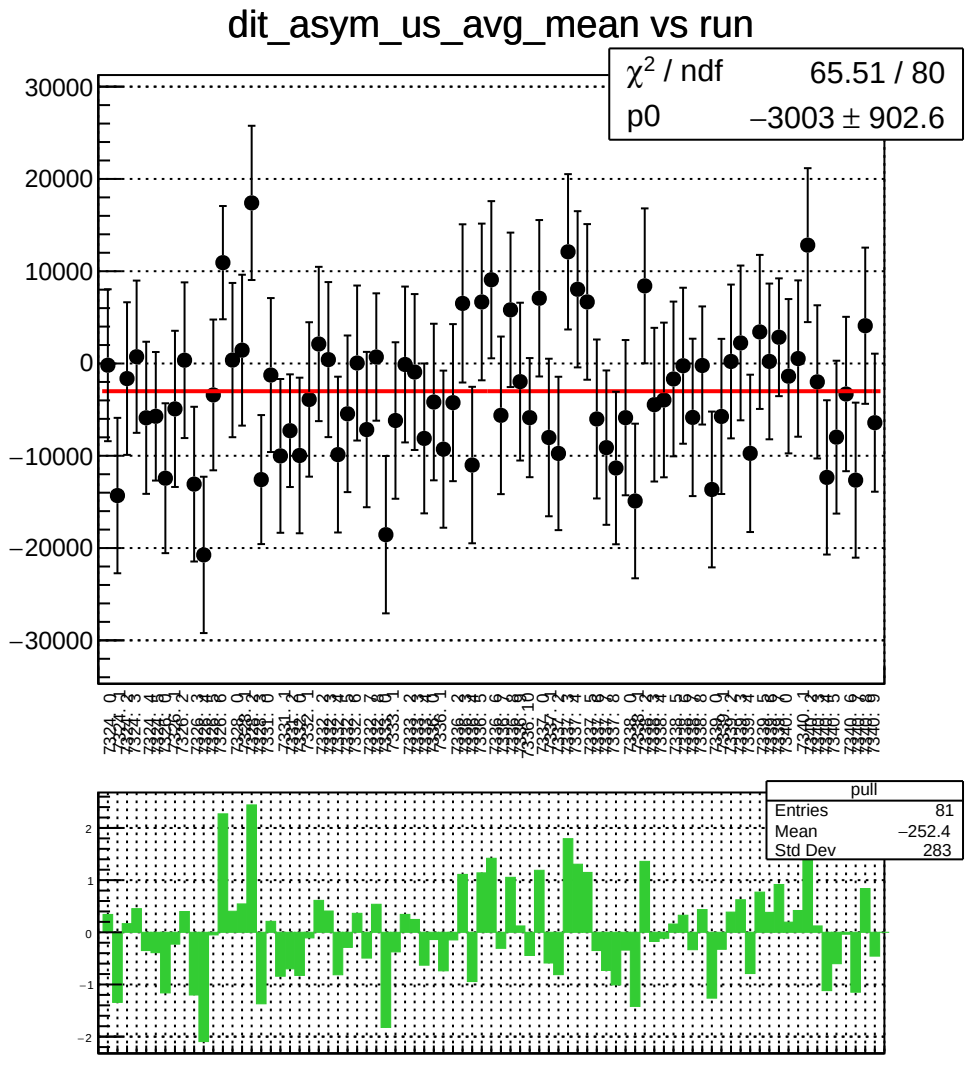
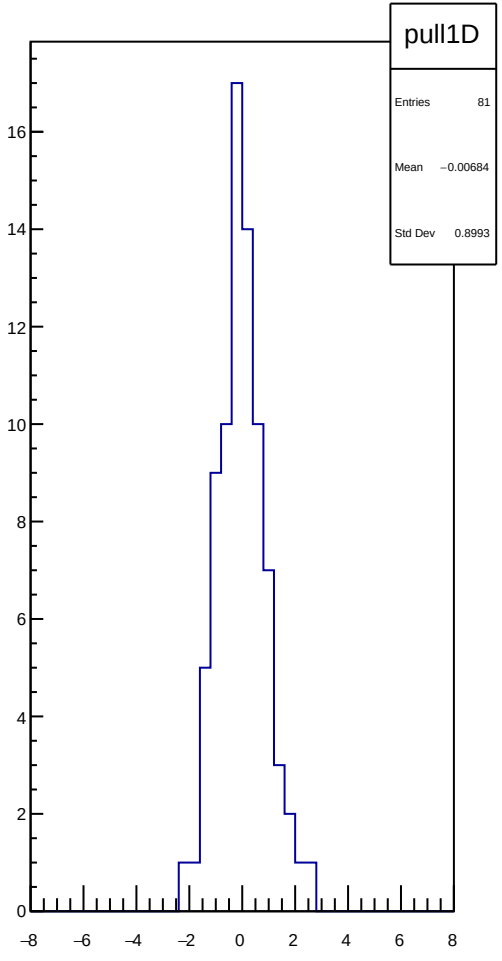
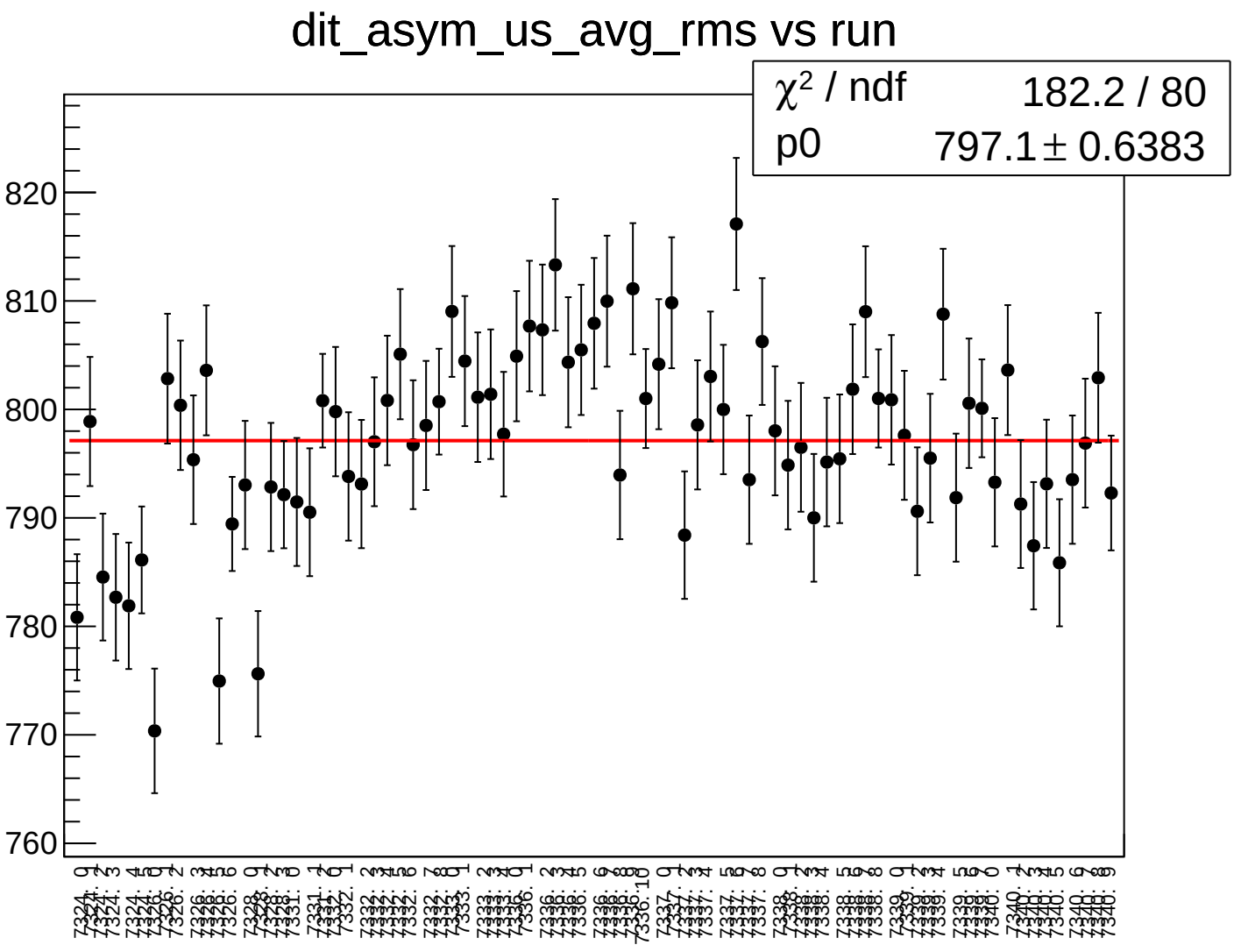
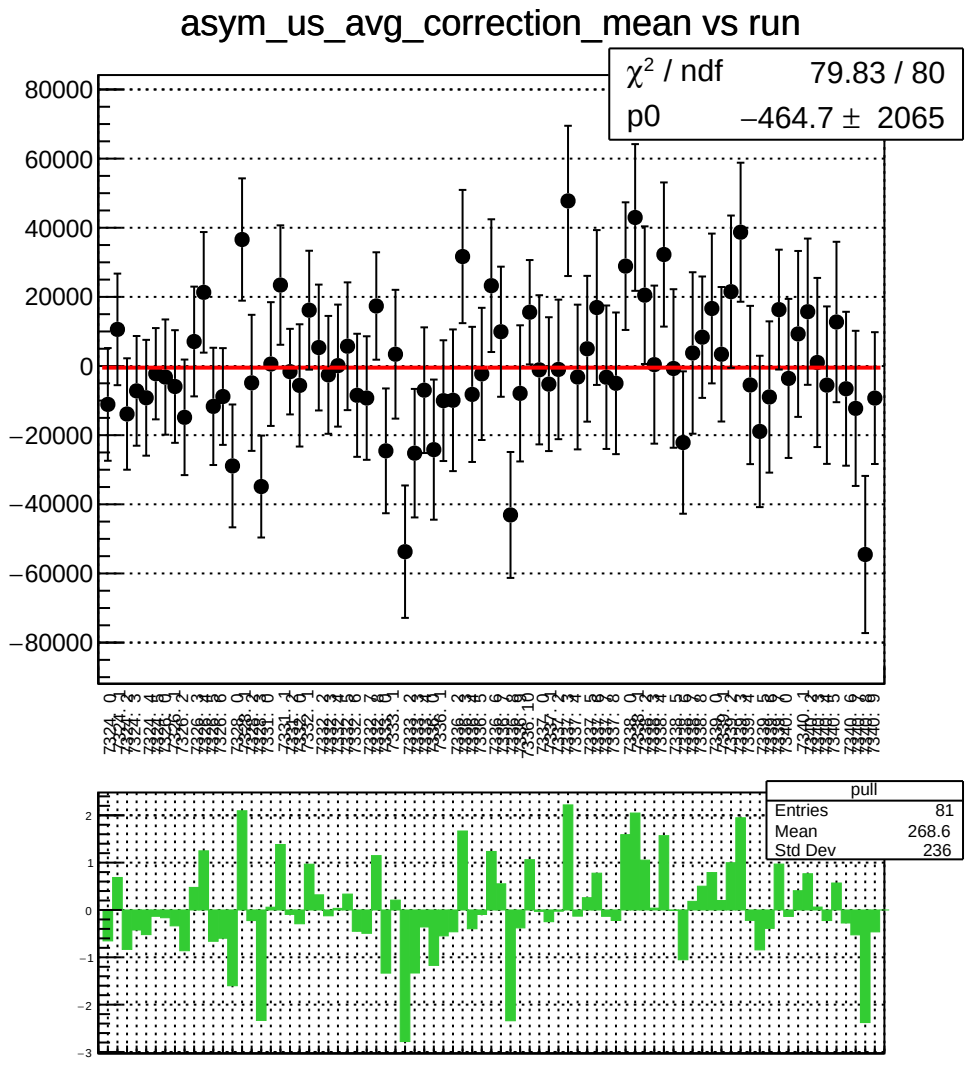
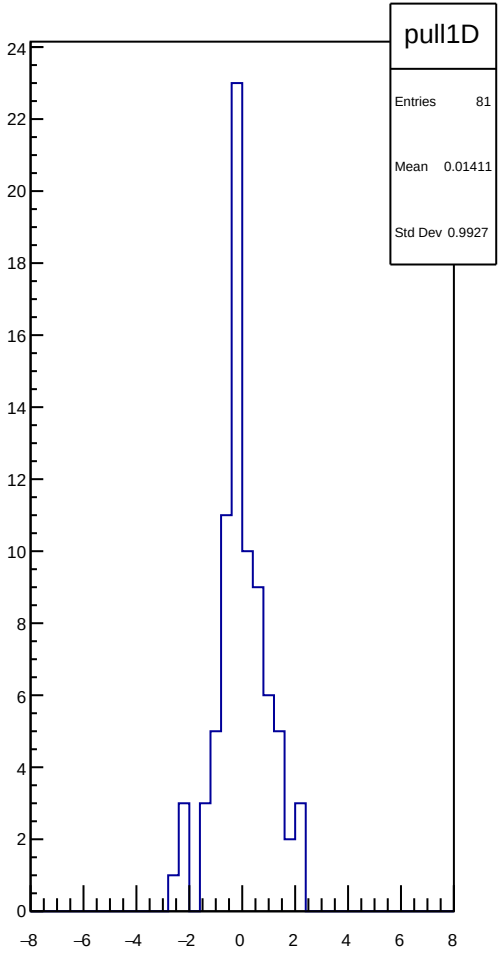
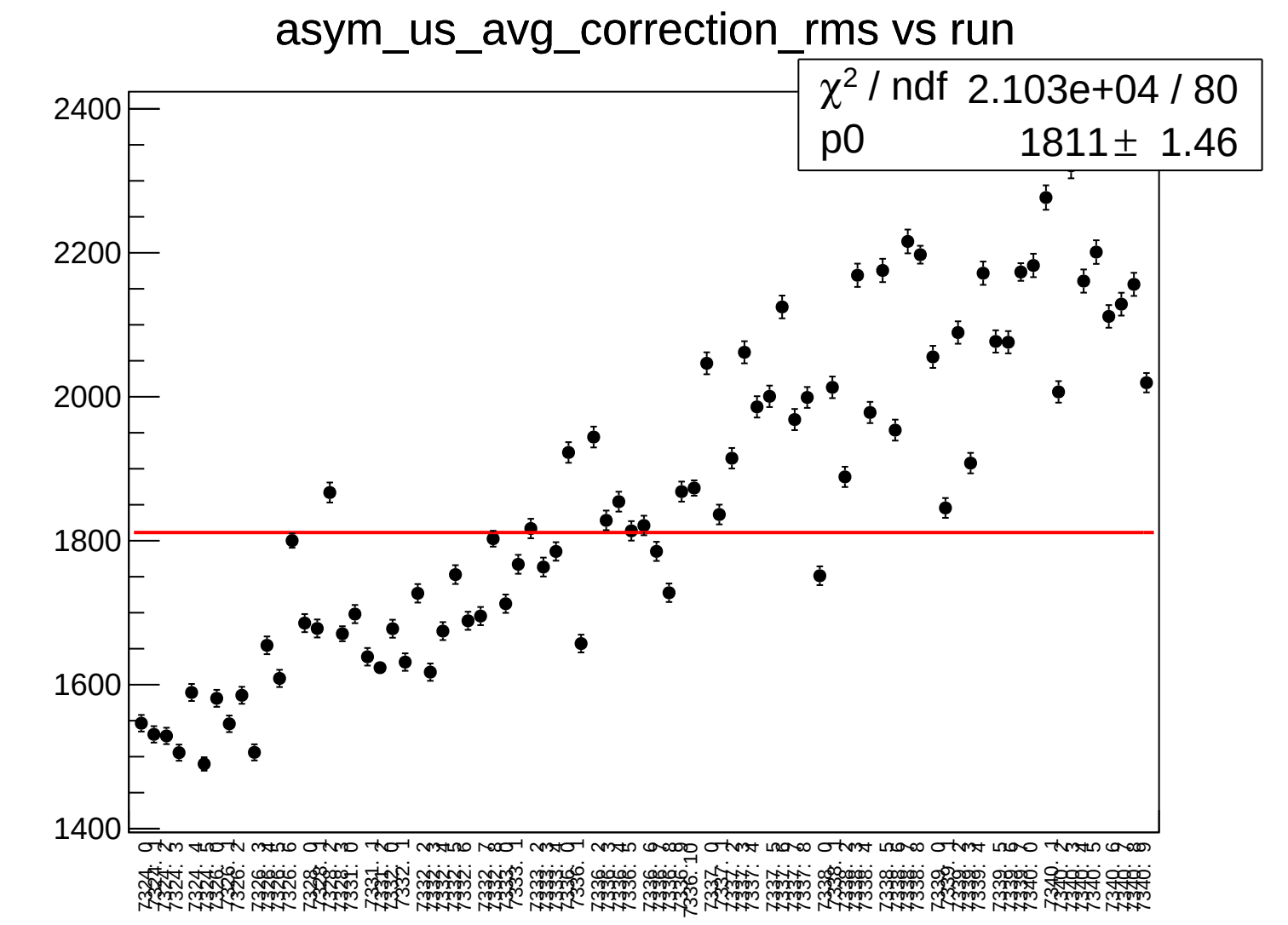

dit_asym_us_avg_mean vs run
χ² / ndf 65.51 / 80
p0 −3003 ± 902.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −252.4
Std Dev 283
2
1
0
−1
−2

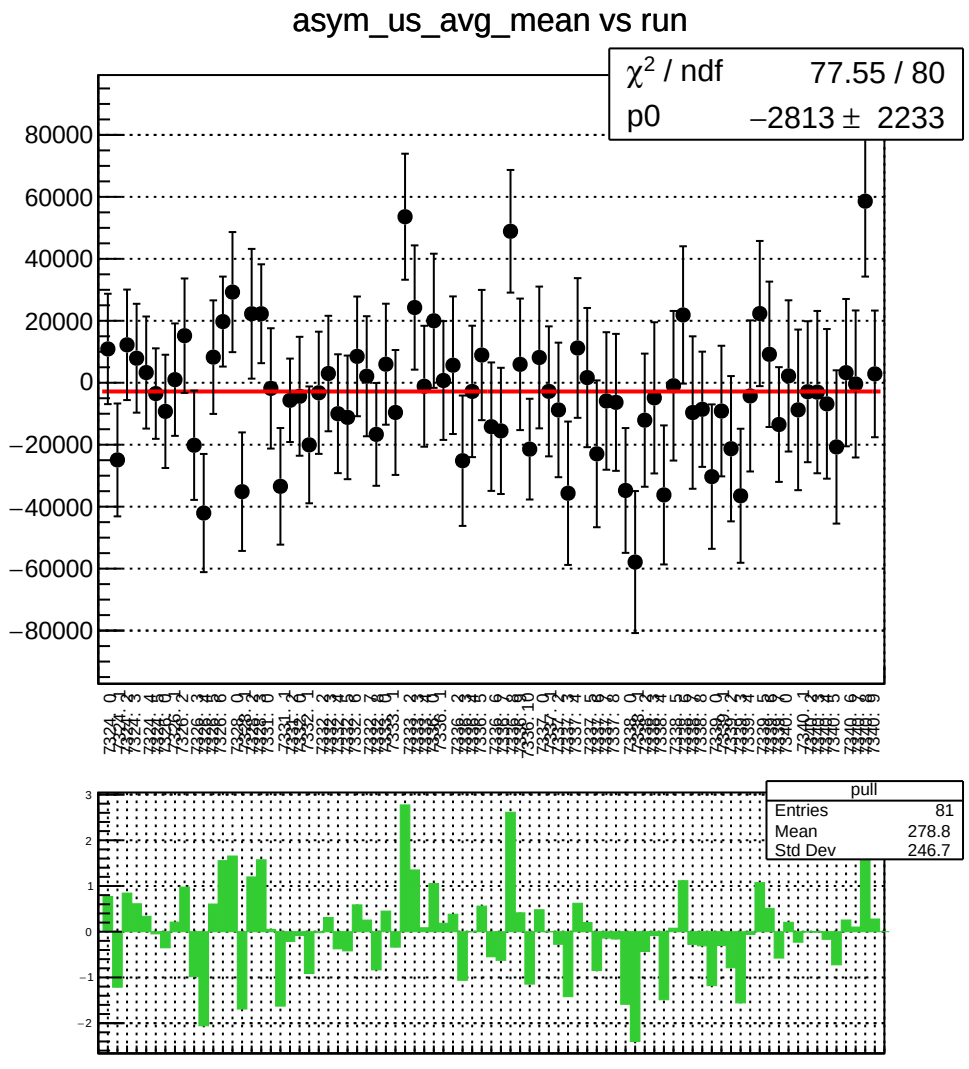

pull1D
Entries 81
Mean −0.00684
Std Dev 0.8993
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

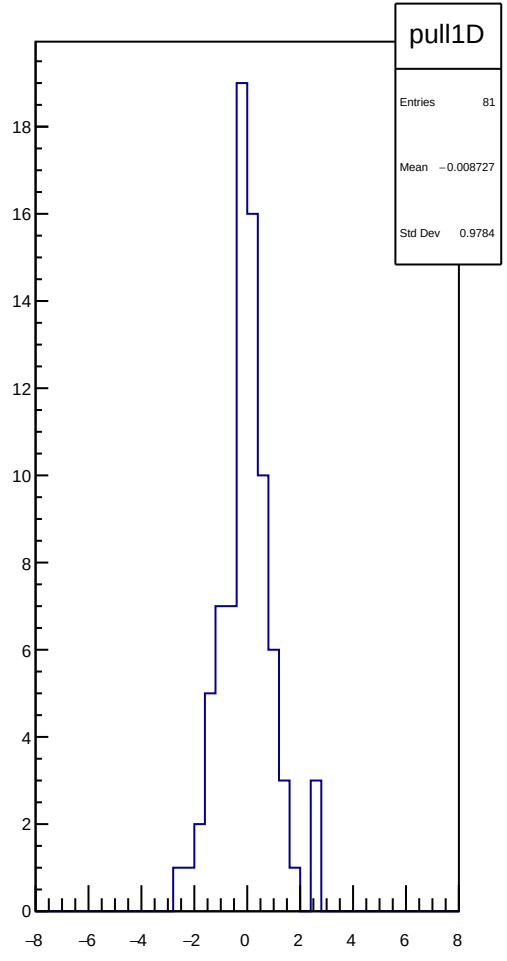

dit_asym_us_avg_rms vs run
χ² / ndf 182.2 / 80
p0 797.1 ± 0.6383
820
810
800
790
780
770
760

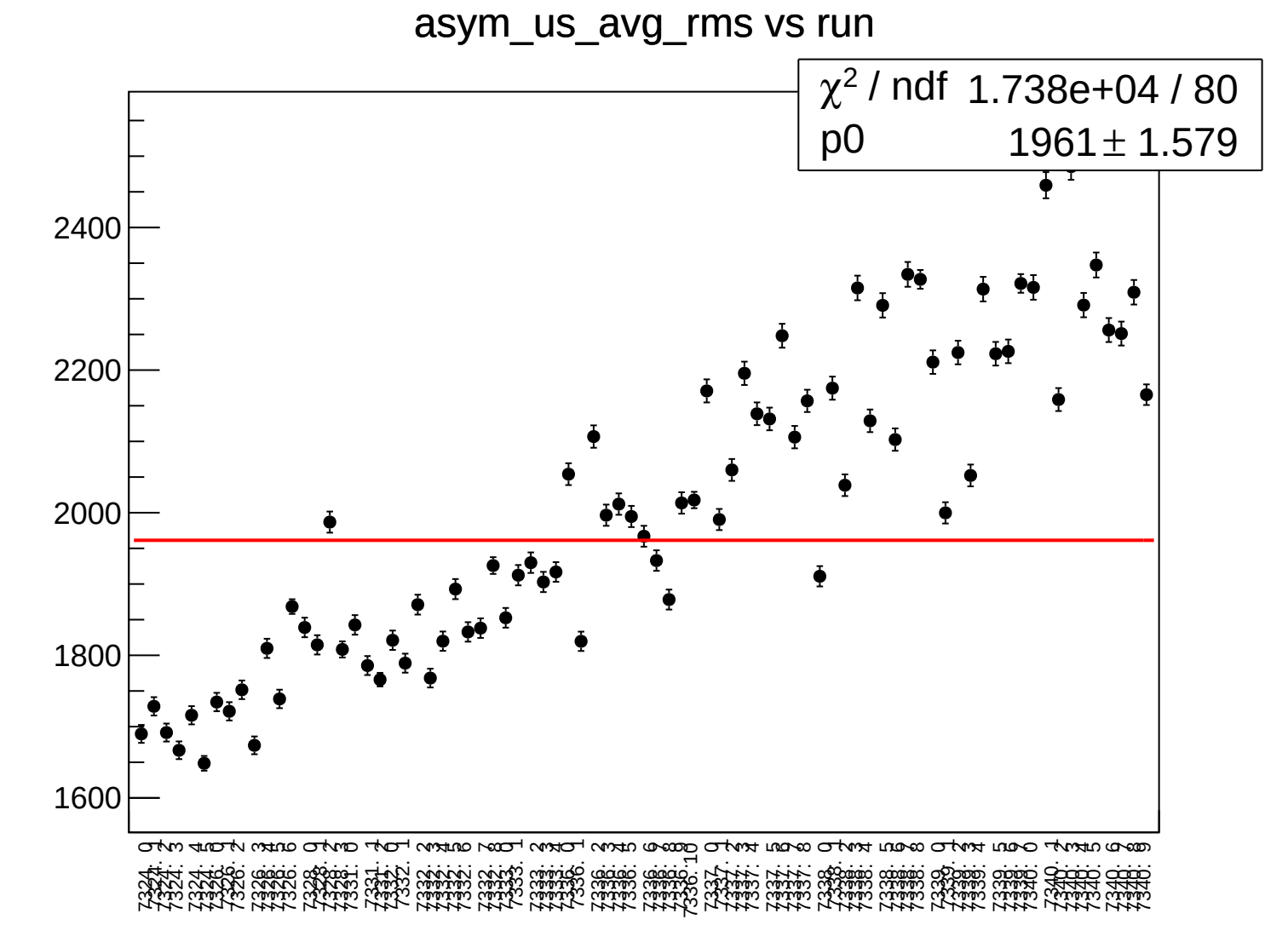

asym_us_avg_correction_mean vs run
χ² / ndf 79.83 / 80
p0 −464.7 ± 2065
pull
Entries 81
Mean 268.6
Std Dev 236

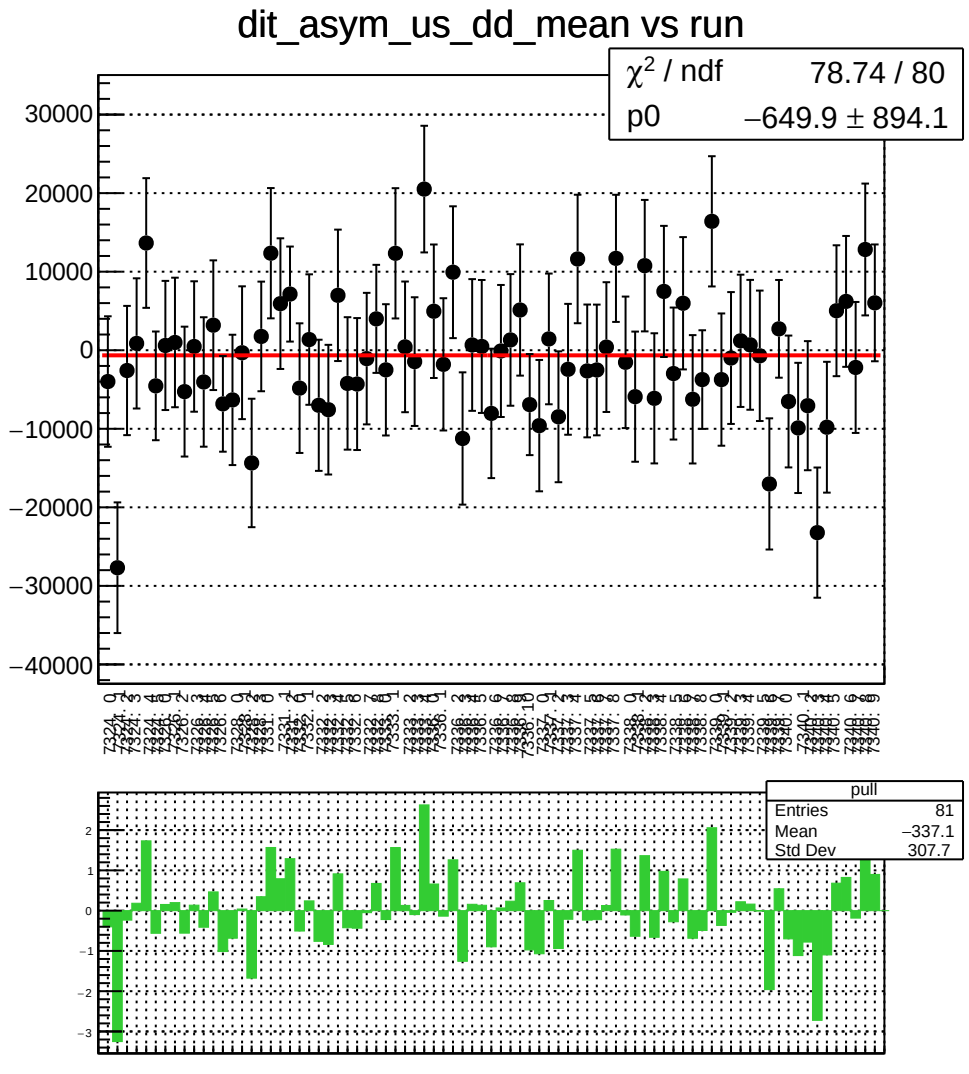

pull1D
Entries 81
Mean 0.01411
Std Dev 0.9927

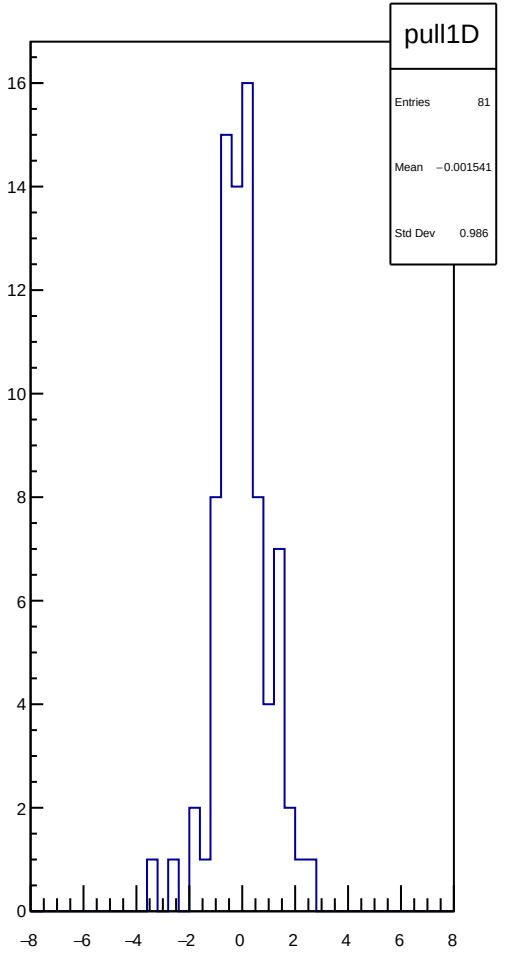

asym_us_avg_correction_rms vs run
χ² / ndf 2.103e+04 / 80
p0 1811 ± 1.46
2400
2200
2000
1800
1600
1400

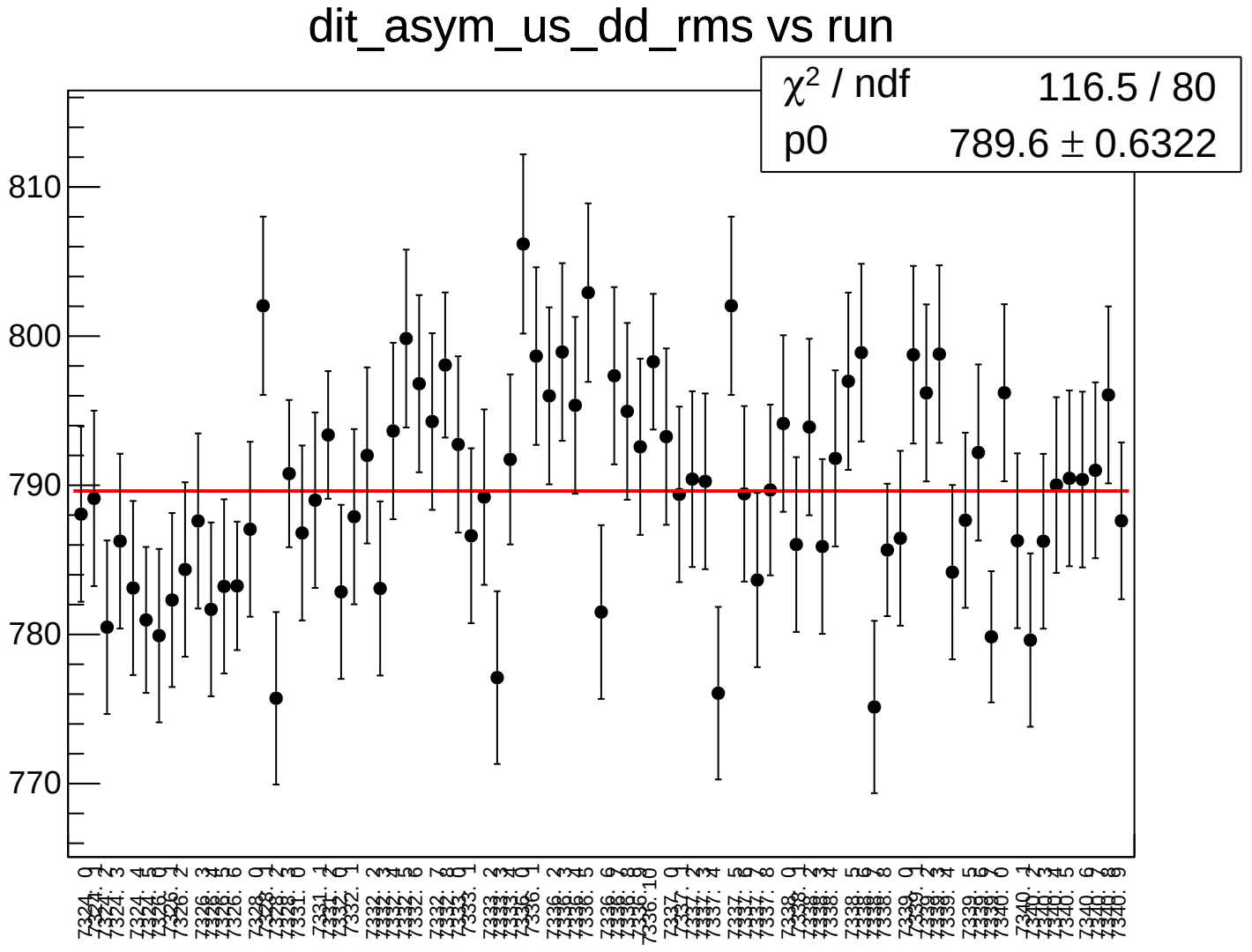

asym_us_avg_mean vs run
χ² / ndf 77.55 / 80
p0 −2813 ± 2233
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 278.8
Std Dev 246.7
3
2
1
0
−1
−2

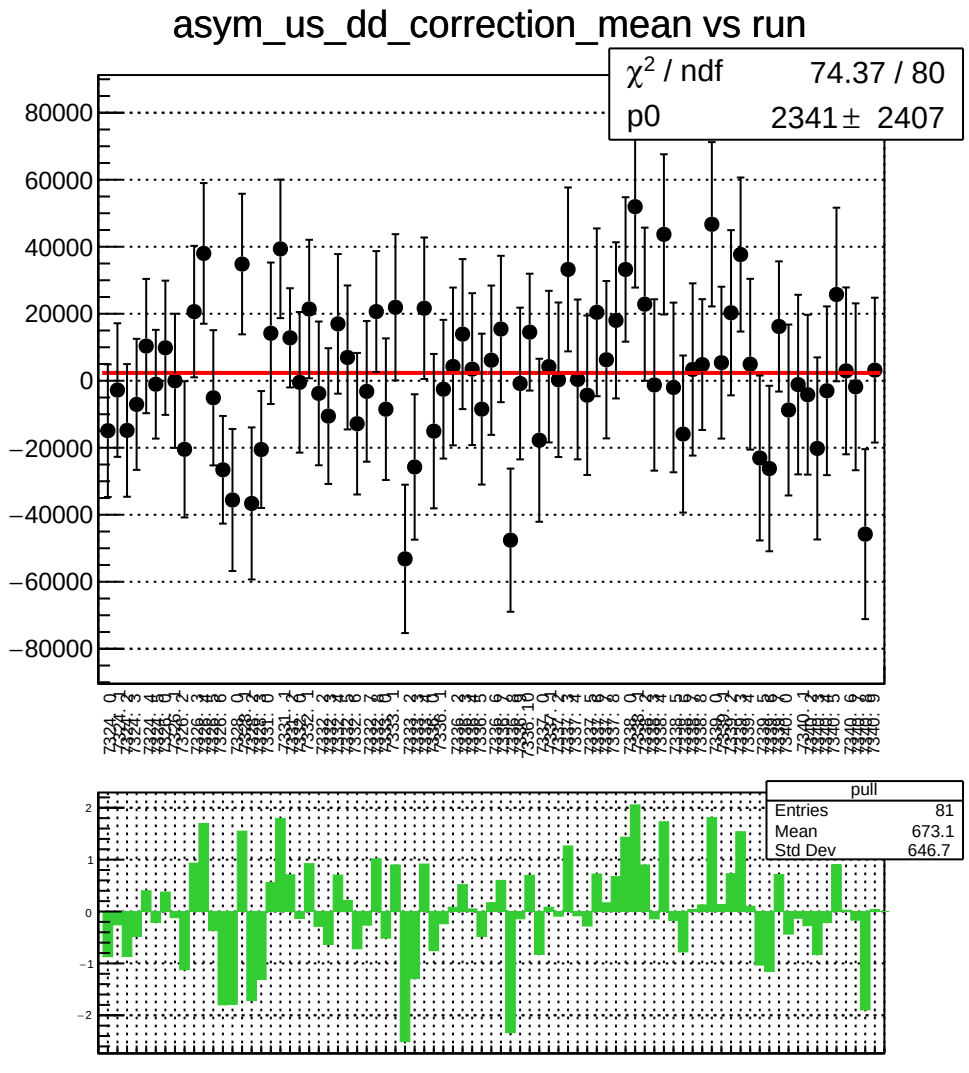

pull1D
Entries 81
Mean −0.008727
Std Dev 0.9784
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

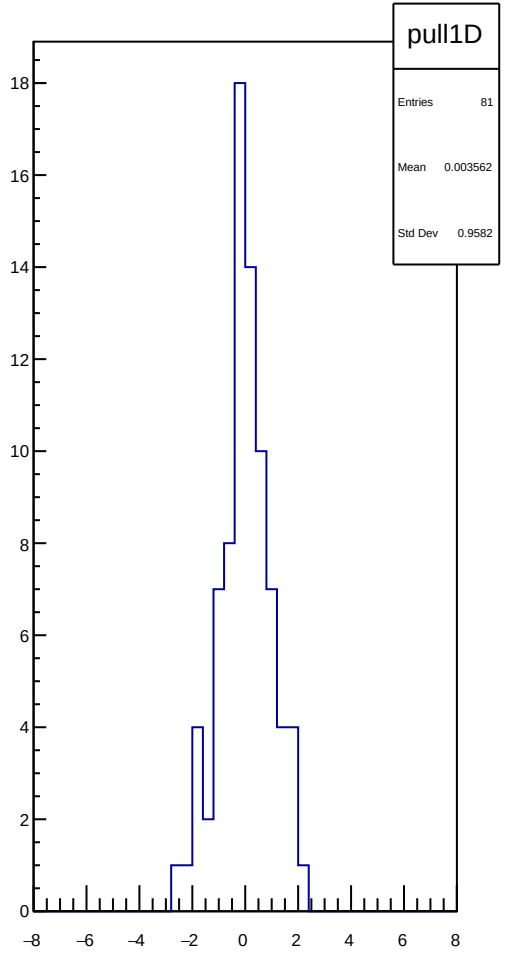

asym_us_avg_rms vs run
χ^2 / ndf 1.738e+04 / 80
p0 1961 ± 1.579
2400
2200
2000
1800
1600

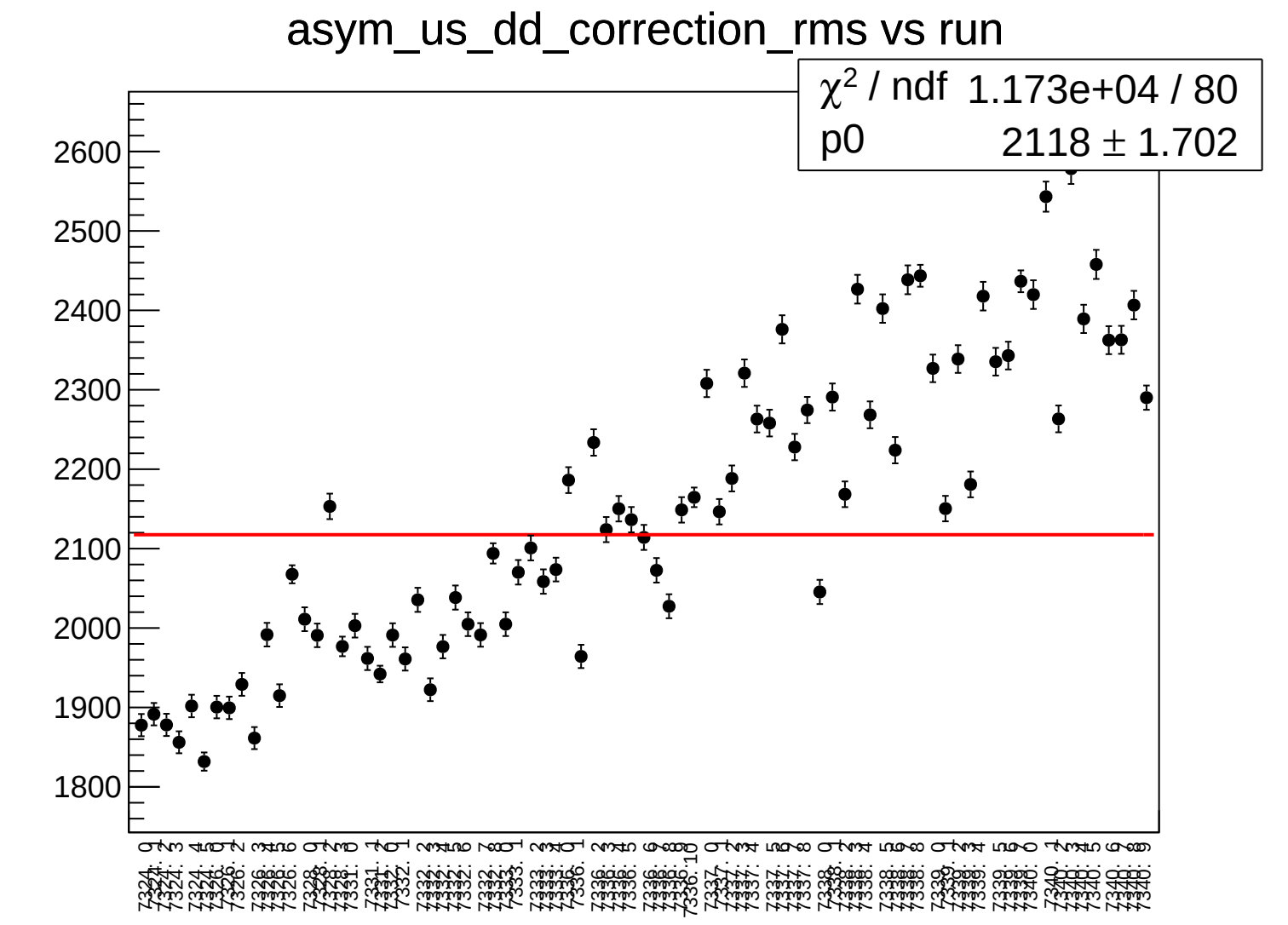

dit_asym_us_dd_mean vs run
χ² / ndf 78.74 / 80
p0 −649.9 ± 894.1
pull
Entries 81
Mean −337.1
Std Dev 307.7

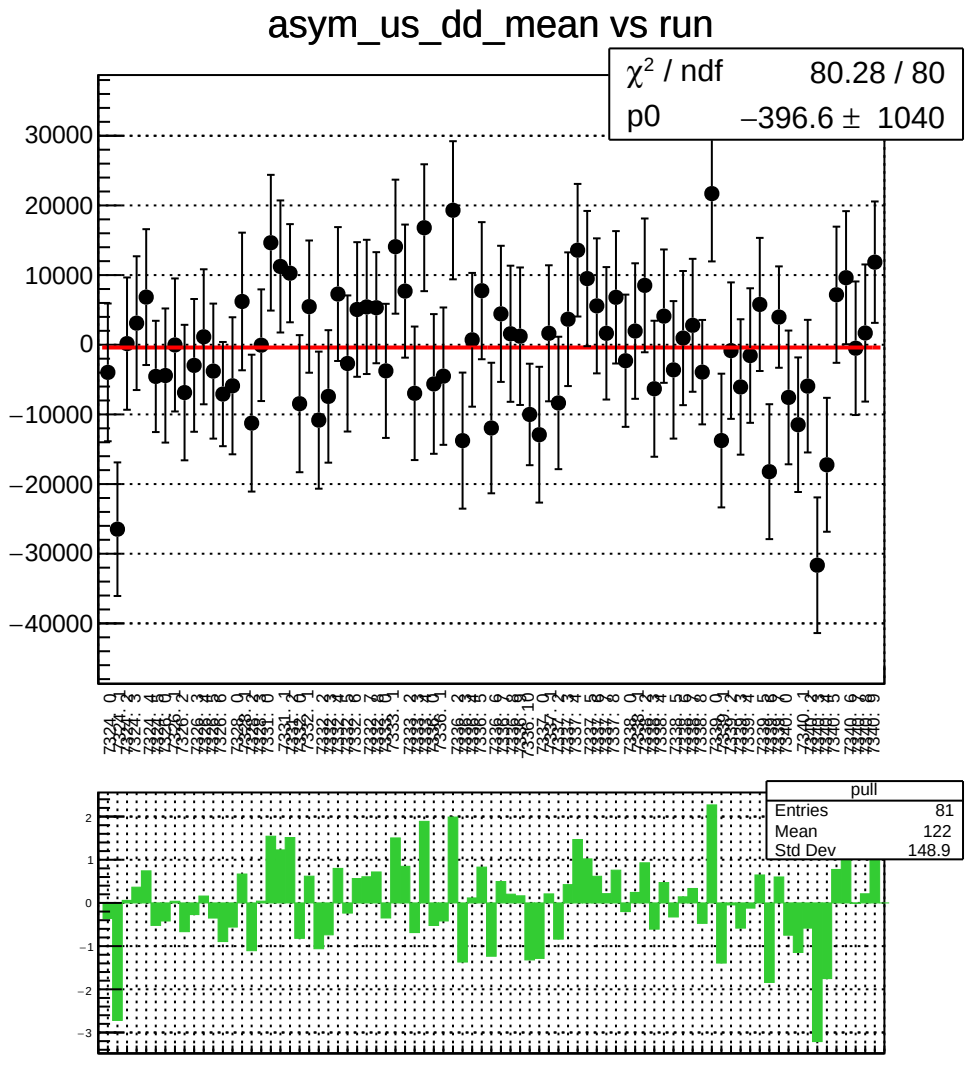

pull1D
Entries 81
Mean −0.001541
Std Dev 0.986

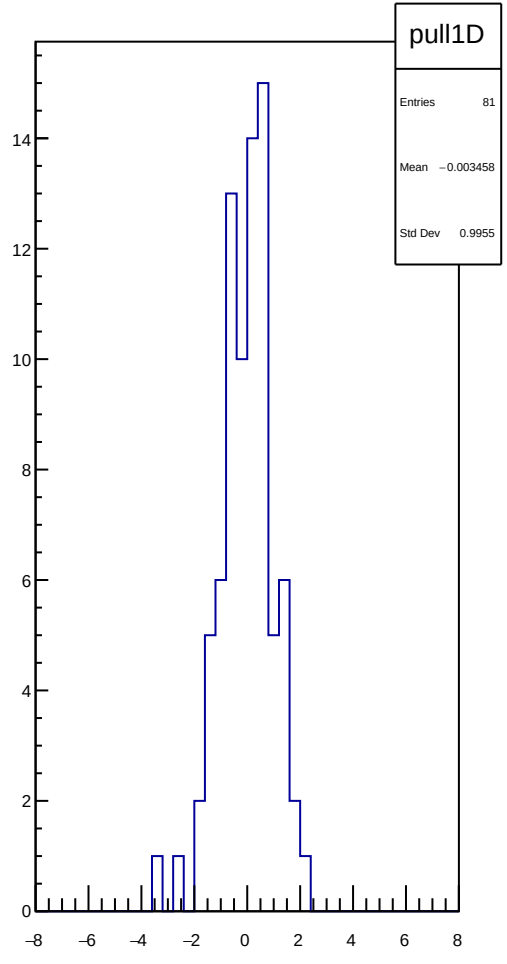

dit_asym_us_dd_rms vs run
χ² / ndf 116.5 / 80
p0 789.6 ± 0.6322
810
800
790
780
770

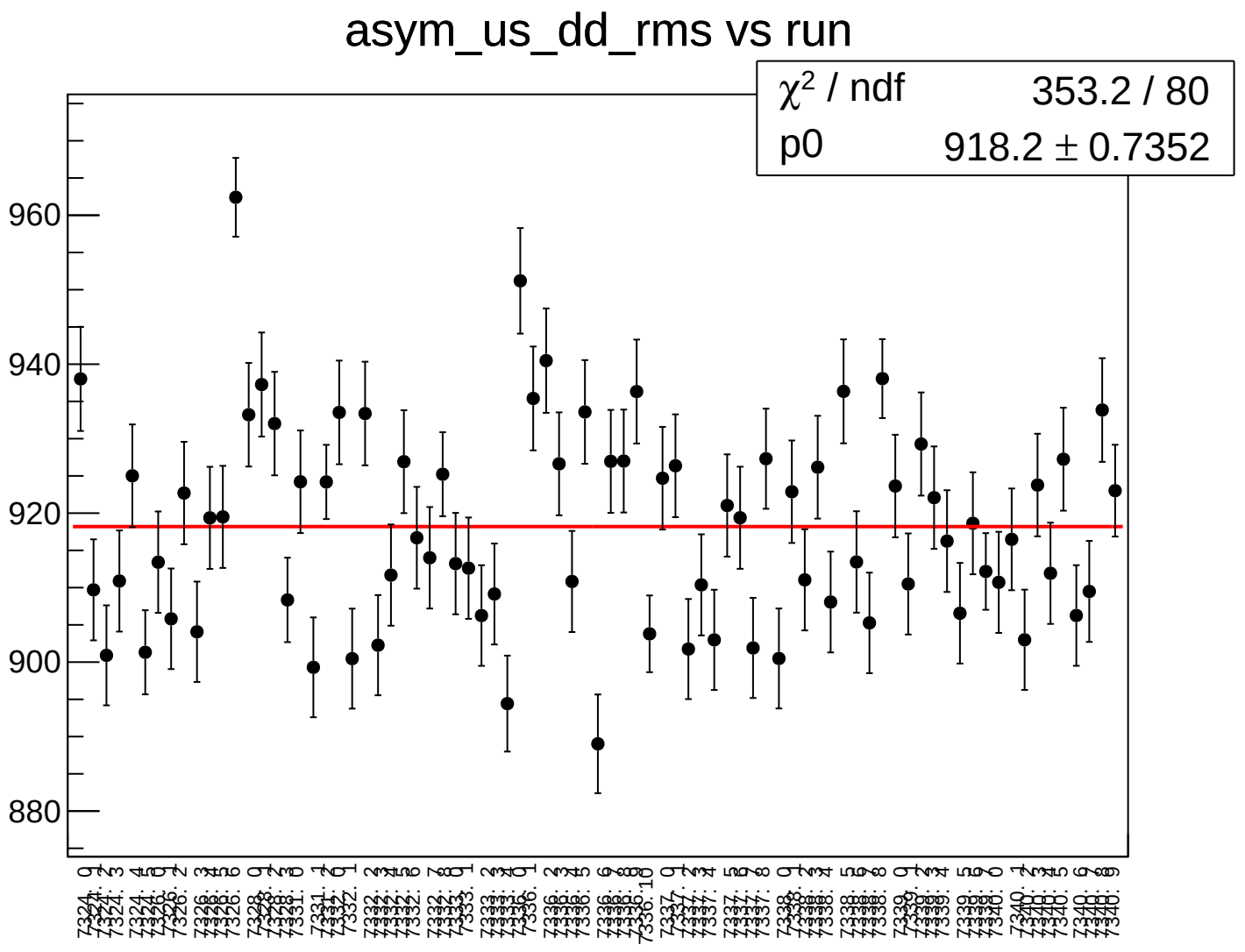

asym_us_dd_correction_mean vs run
χ² / ndf 74.37 / 80
p0 2341 ± 2407
pull
Entries 81
Mean 673.1
Std Dev 646.7

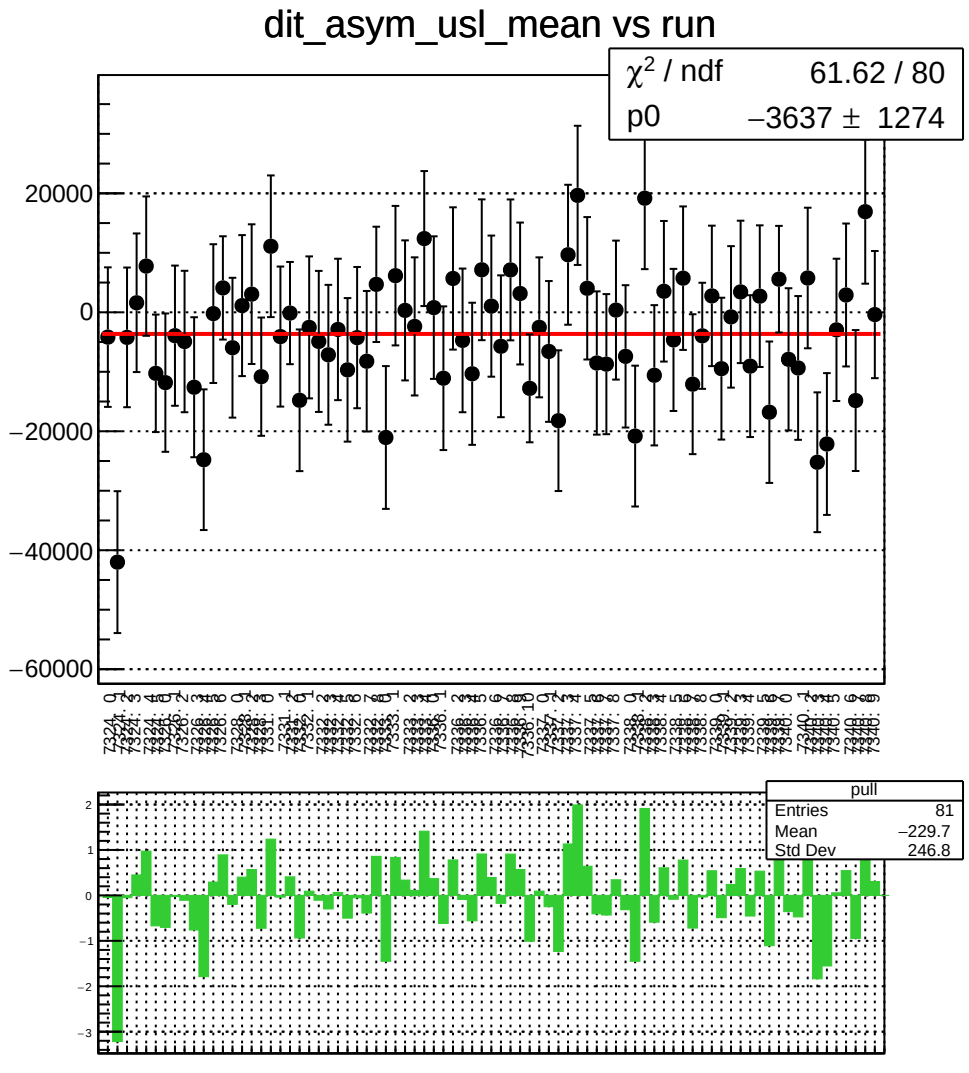

pull1D
Entries 81
Mean 0.003562
Std Dev 0.9582

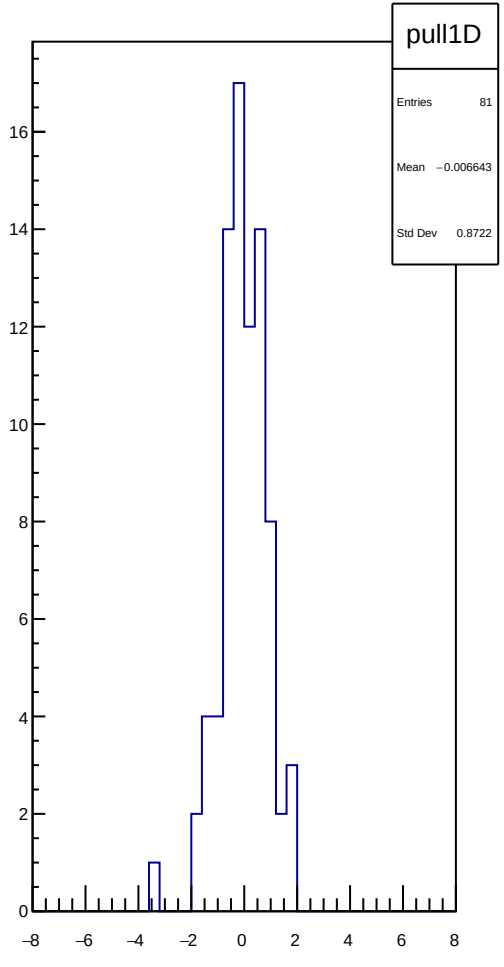

asym_us_dd_correction_rms vs run
χ² / ndf 1.173e+04 / 80
p0 2118 ± 1.702
2600
2500
2400
2300
2200
2100
2000
1900
1800

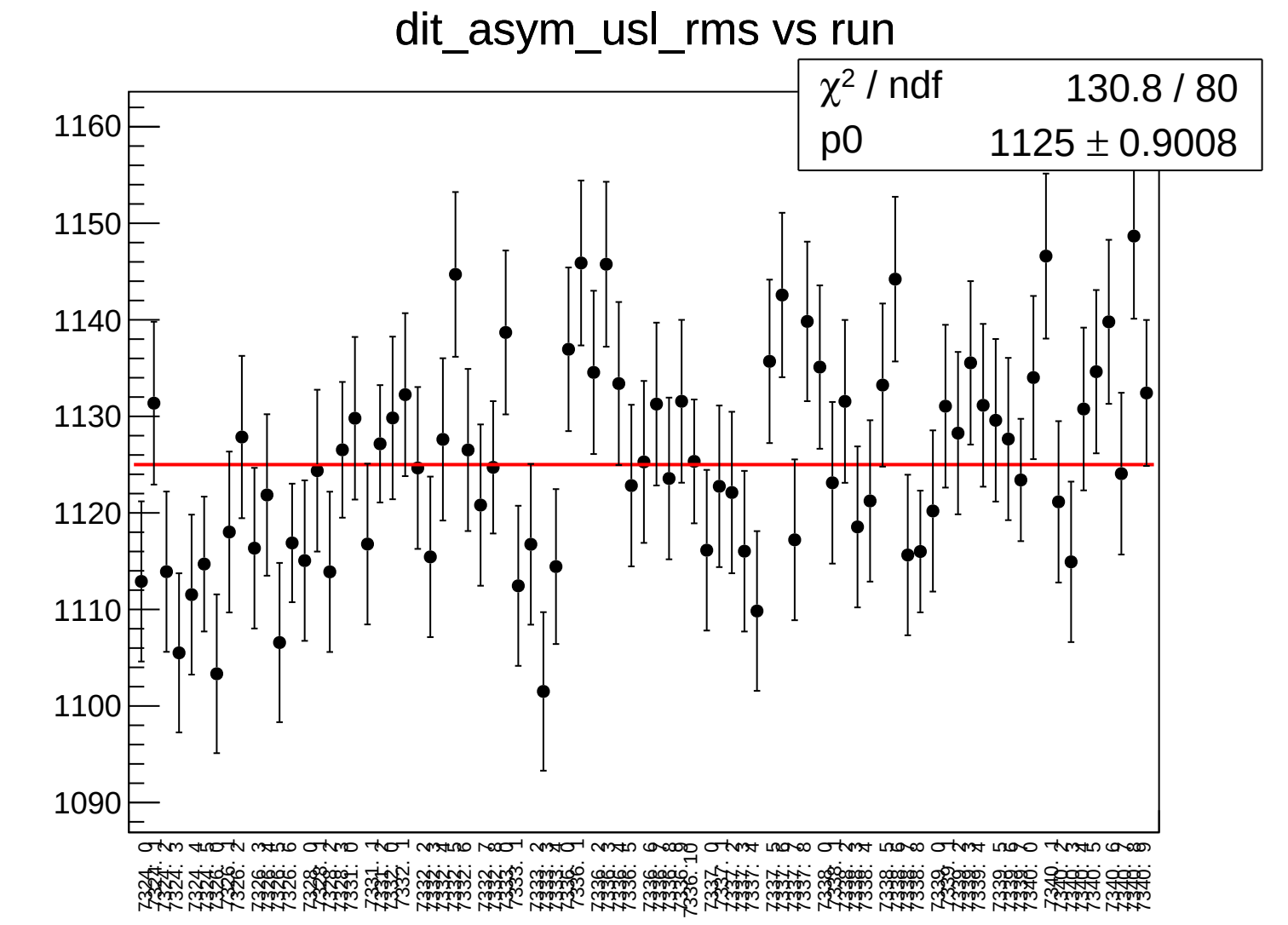

asym_us_dd_mean vs run
χ² / ndf 80.28 / 80
p0 −396.6 ± 1040
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean 122
Std Dev 148.9
2
1
0
−1
−2
−3

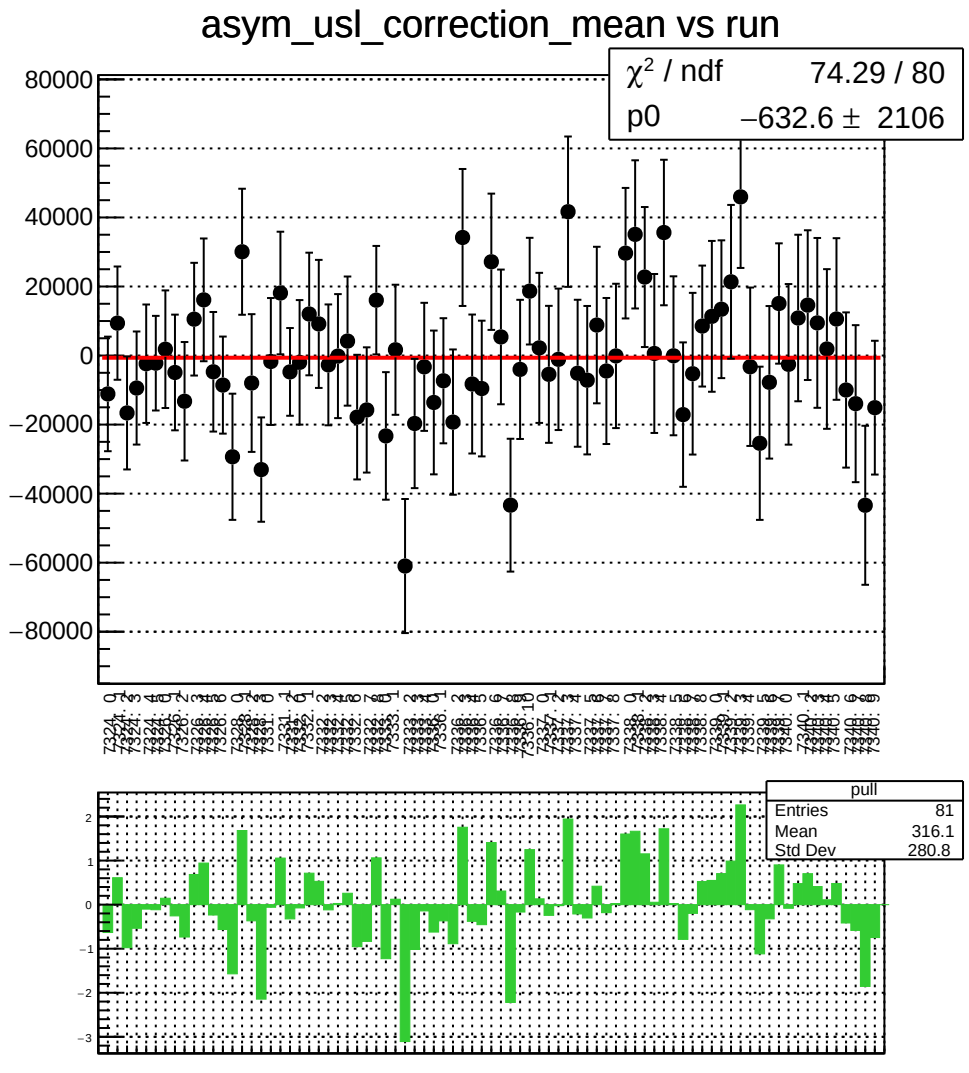

pull1D
Entries 81
Mean −0.003458
Std Dev 0.9955
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

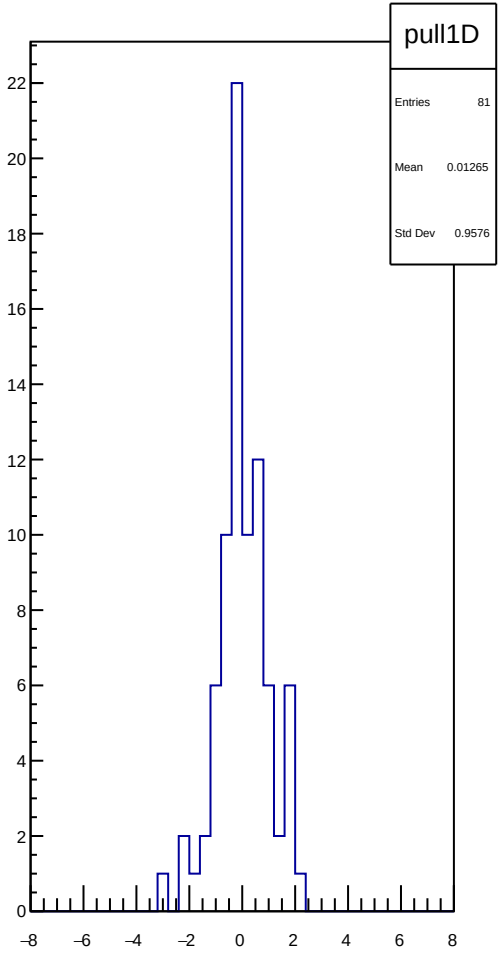

asym_us_dd_rms vs run
χ^2 / ndf 353.2 / 80
p0 918.2 ± 0.7352
960
940
920
900
880


dit_asym_usl_mean vs run
χ² / ndf 61.62 / 80
p0 −3637 ± 1274
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −229.7
Std Dev 246.8
2
1
0
−1
−2
−3

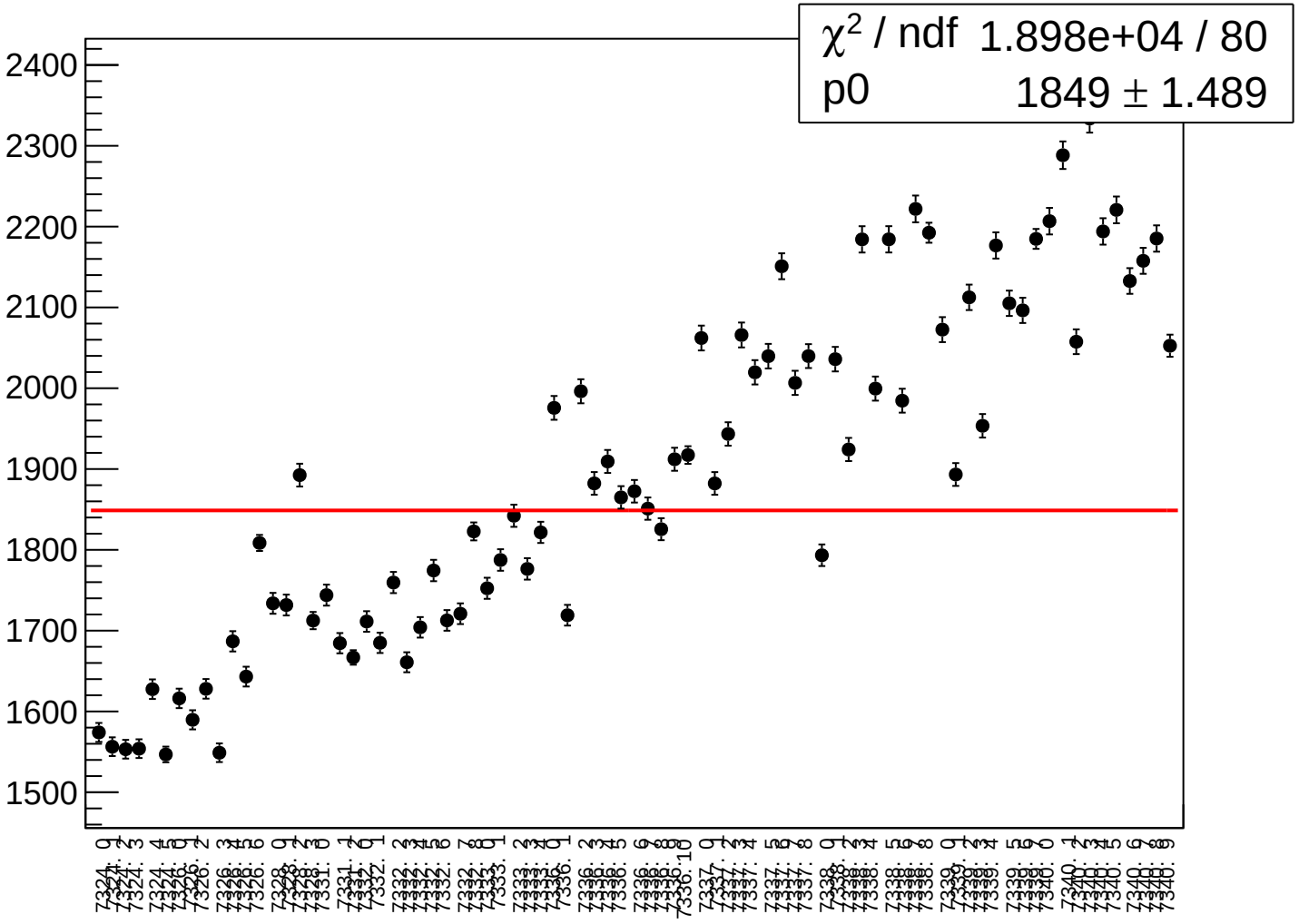

pull1D
Entries 81
Mean −0.006643
Std Dev 0.8722
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

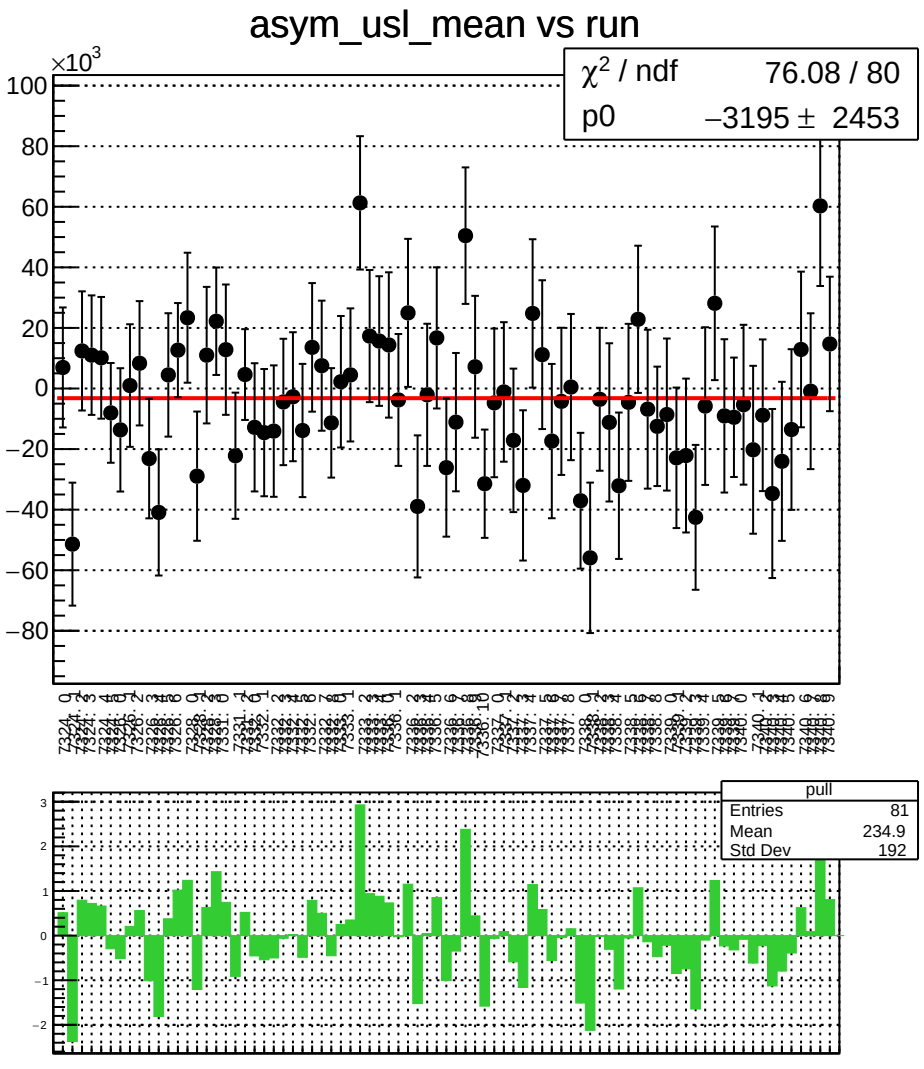

dit_asym_usl_rms vs run
χ² / ndf 130.8 / 80
p0 1125 ± 0.9008
1160
1150
1140
1130
1120
1110
1100
1090

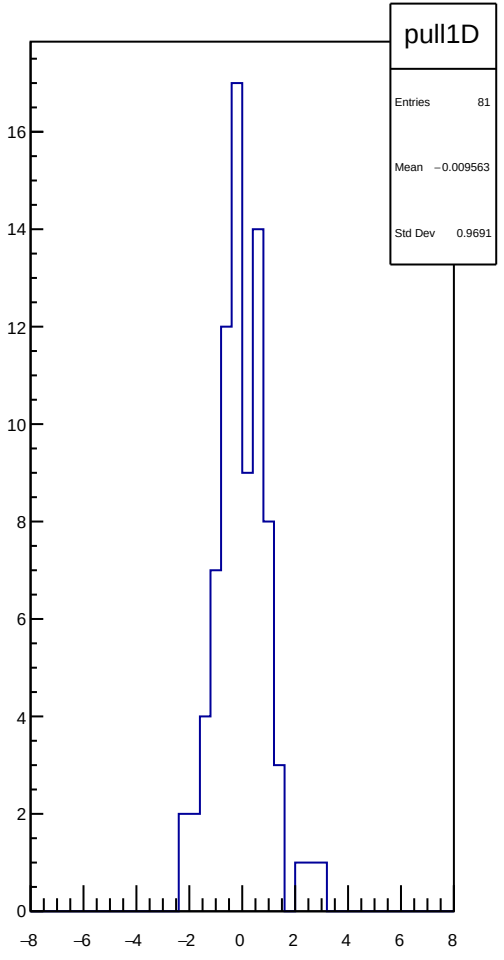

asym_usl_correction_mean vs run
χ² / ndf 74.29 / 80
p0 −632.6 ± 2106
pull
Entries 81
Mean 316.1
Std Dev 280.8

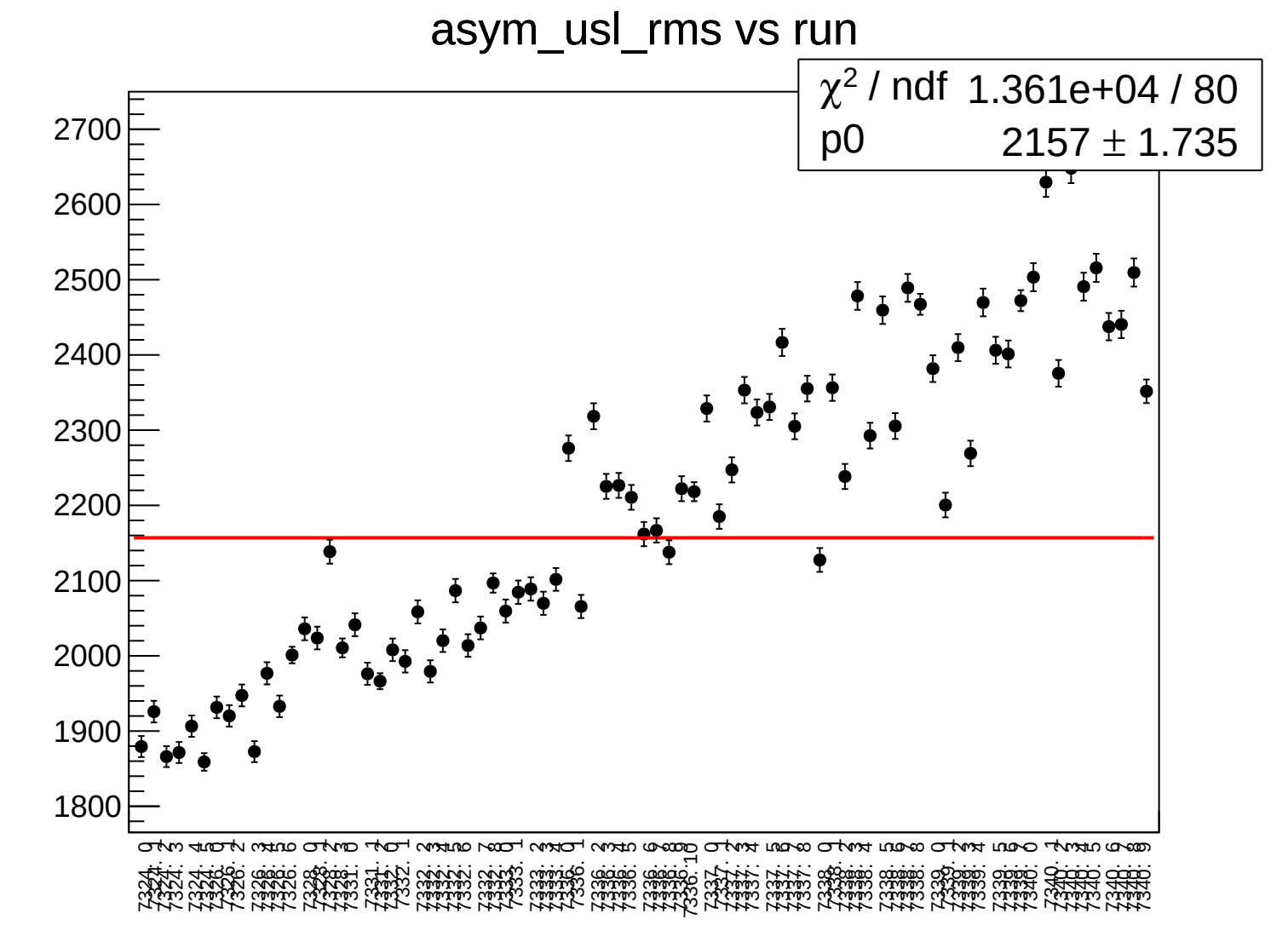

pull1D
Entries 81
Mean 0.01265
Std Dev 0.9576

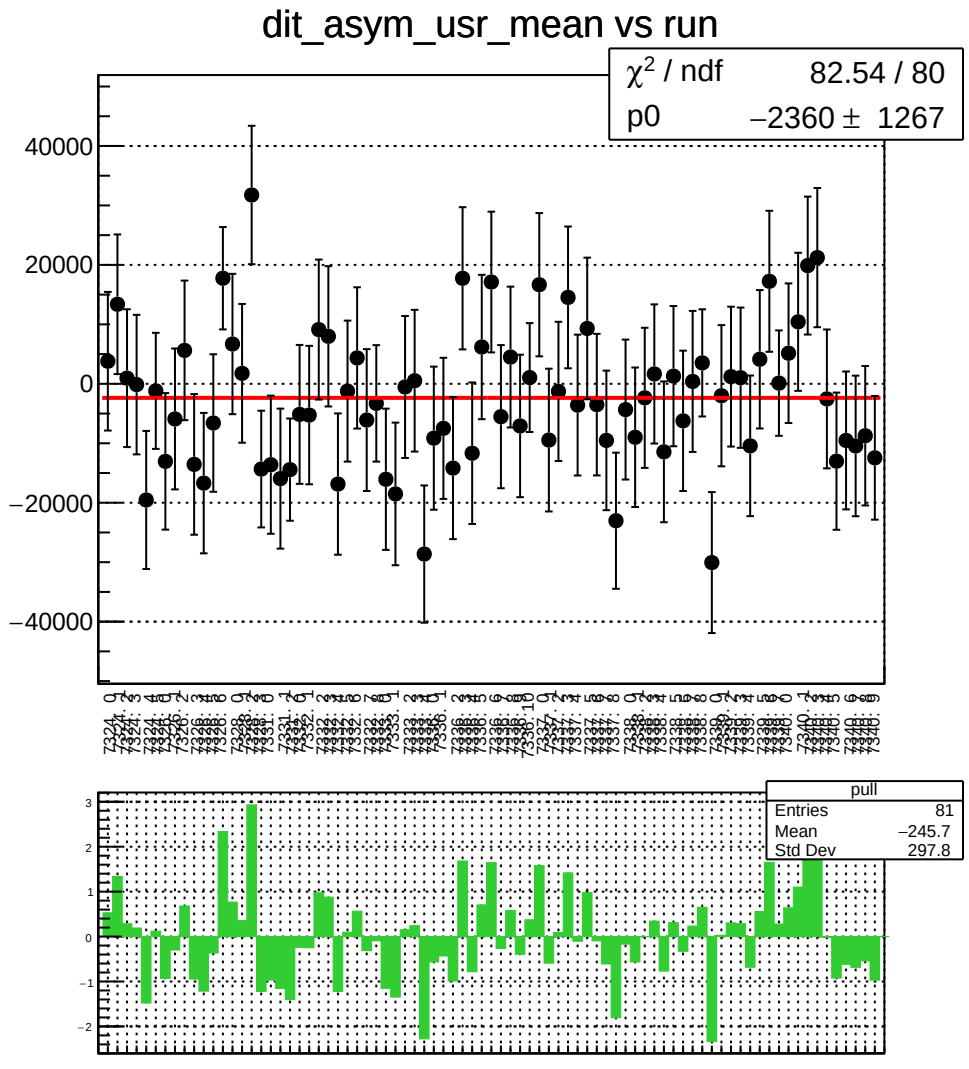
asym_usl_correction_rms vs run

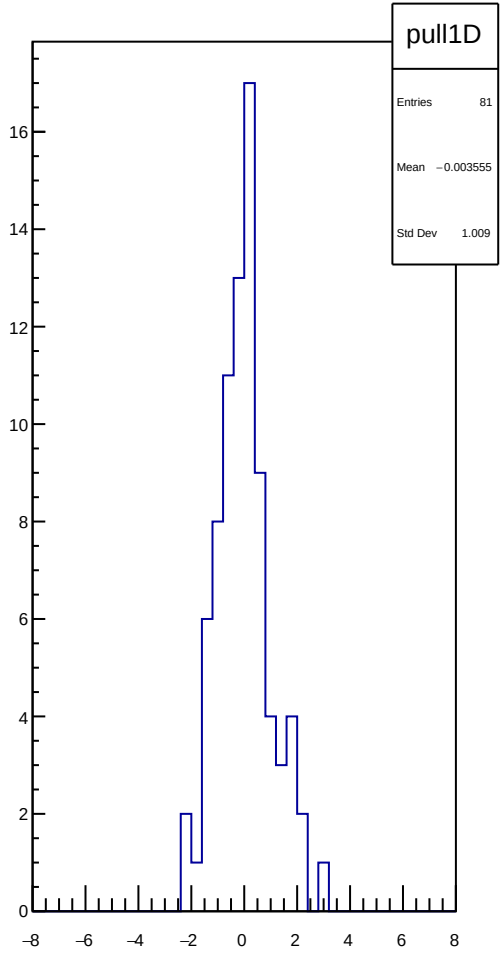


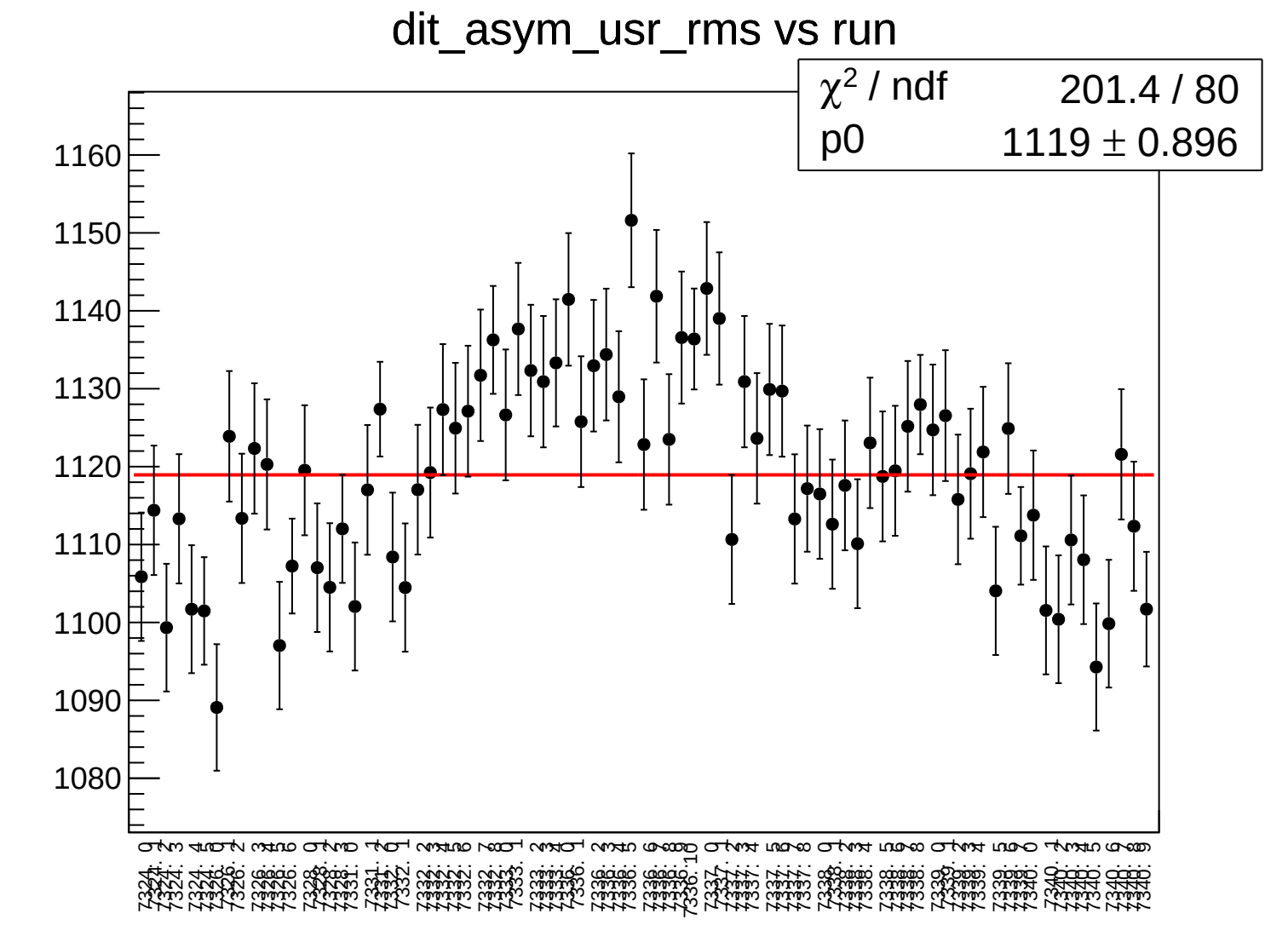

asym_usl_mean vs run
×10^3
χ² / ndf 76.08 / 80
p0 −3195 ± 2453
pull
Entries 81
Mean 234.9
Std Dev 192

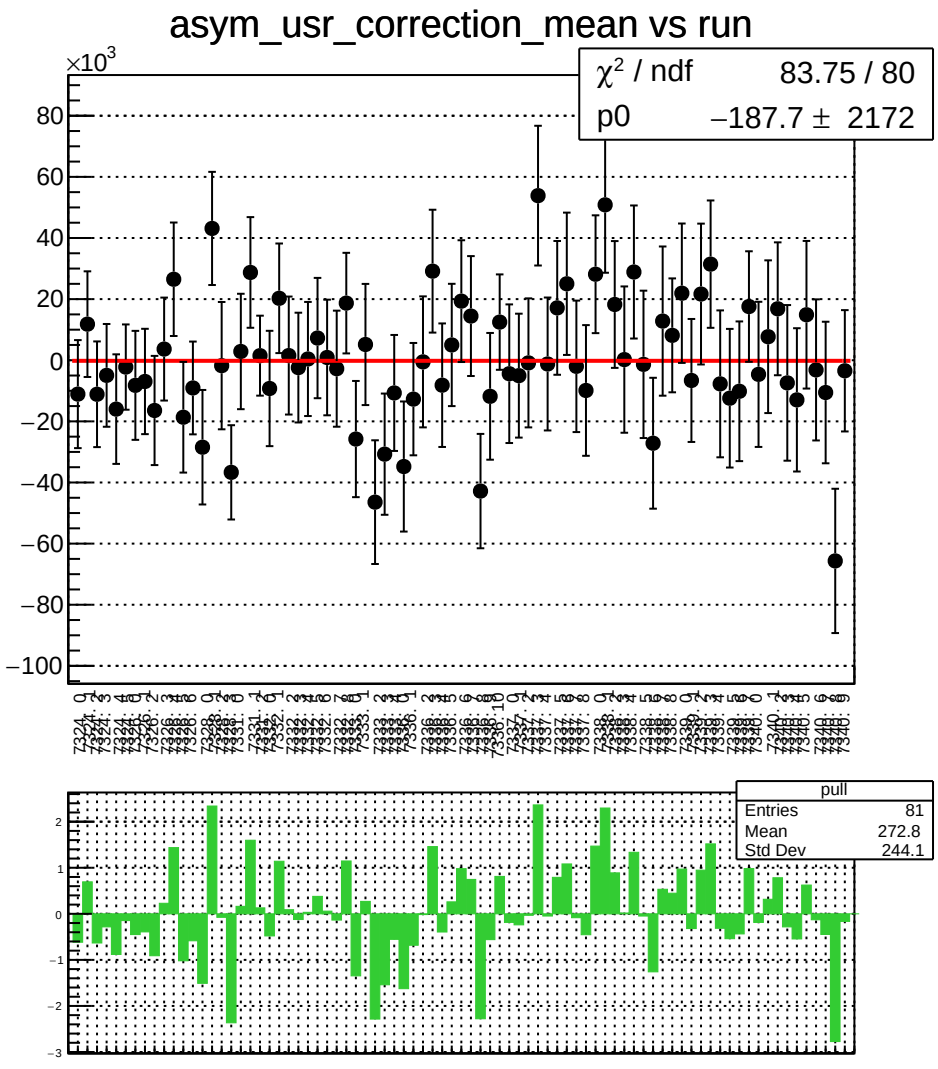

pull1D
Entries 81
Mean −0.009563
Std Dev 0.9691

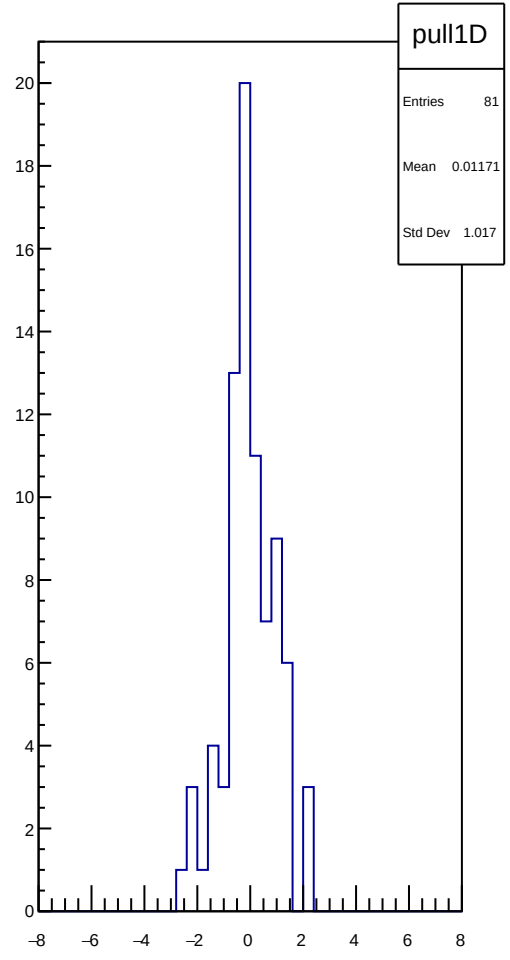

asym_usl_rms vs run
χ² / ndf 1.361e+04 / 80
p0 2157 ± 1.735
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800


dit_asym_usr_mean vs run
χ² / ndf 82.54 / 80
p0 −2360 ± 1267
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −245.7
Std Dev 297.8
3
2
1
0
−1
−2

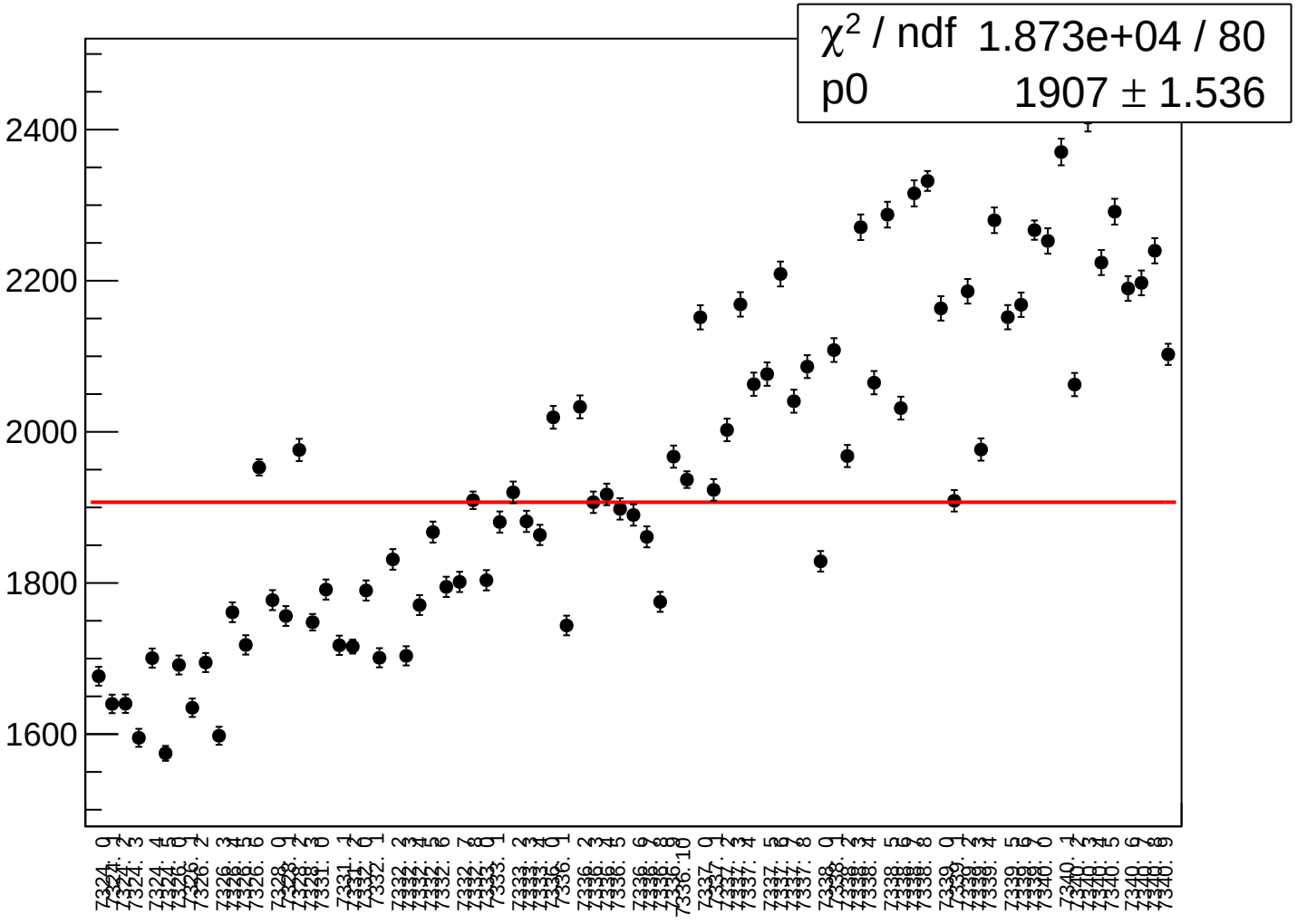

pull1D
Entries 81
Mean −0.003555
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

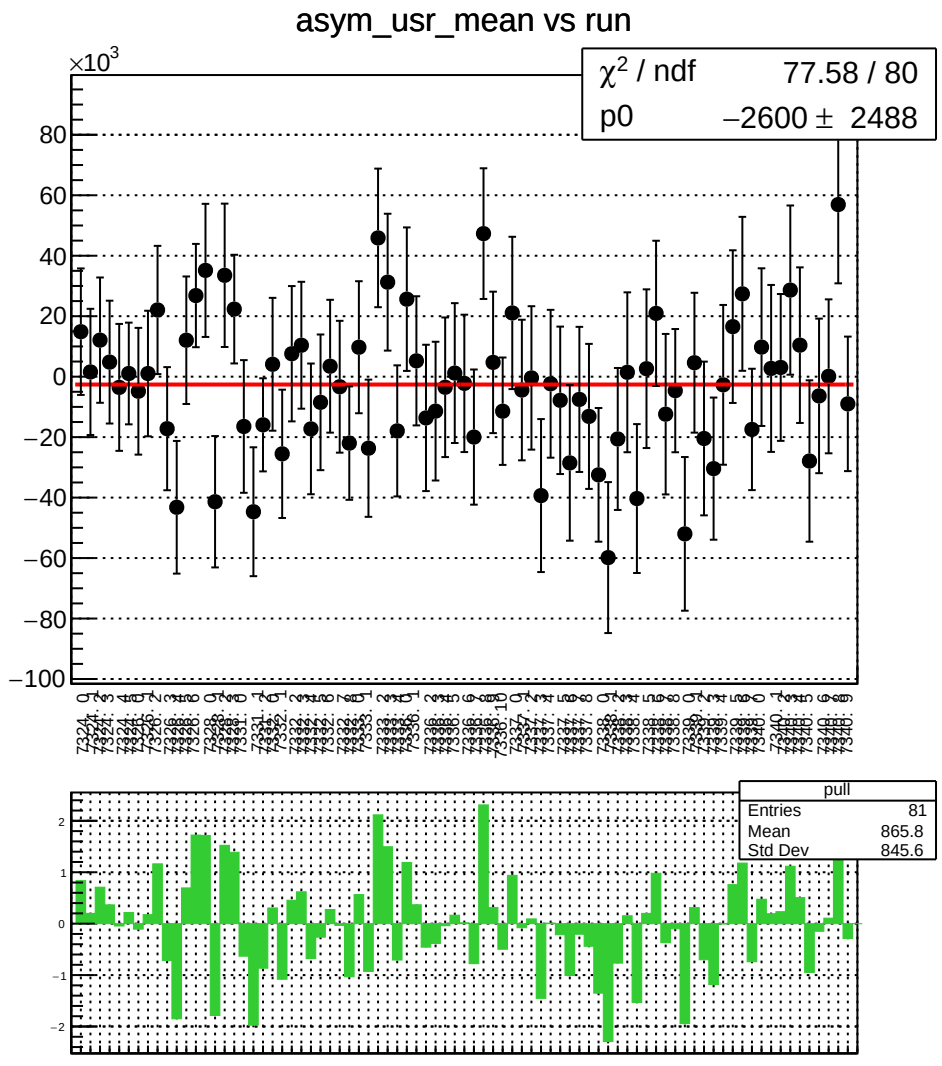

dit_asym_usr_rms vs run
χ^2 / ndf 201.4 / 80
p0 1119 ± 0.896
1160
1150
1140
1130
1120
1110
1100
1090
1080

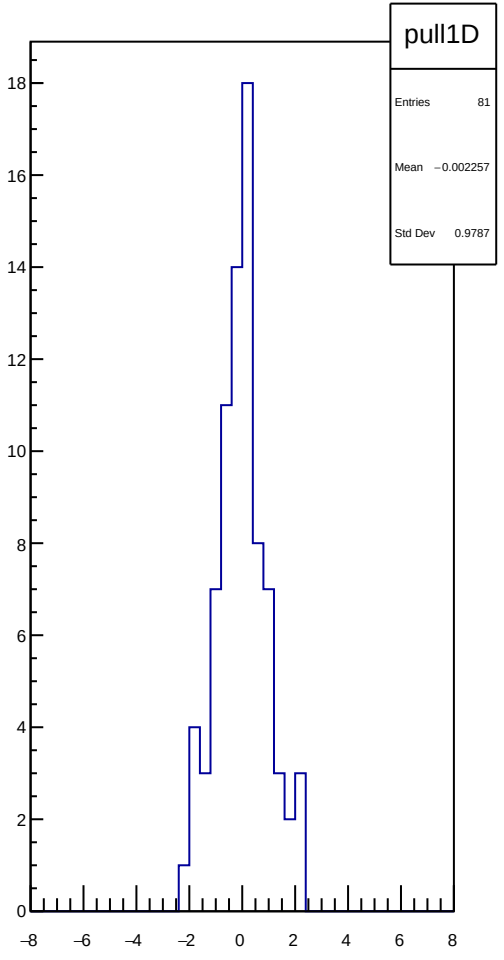

asym_usr_correction_mean vs run
×10^3
χ² / ndf 83.75 / 80
p0 −187.7 ± 2172
pull
Entries 81
Mean 272.8
Std Dev 244.1

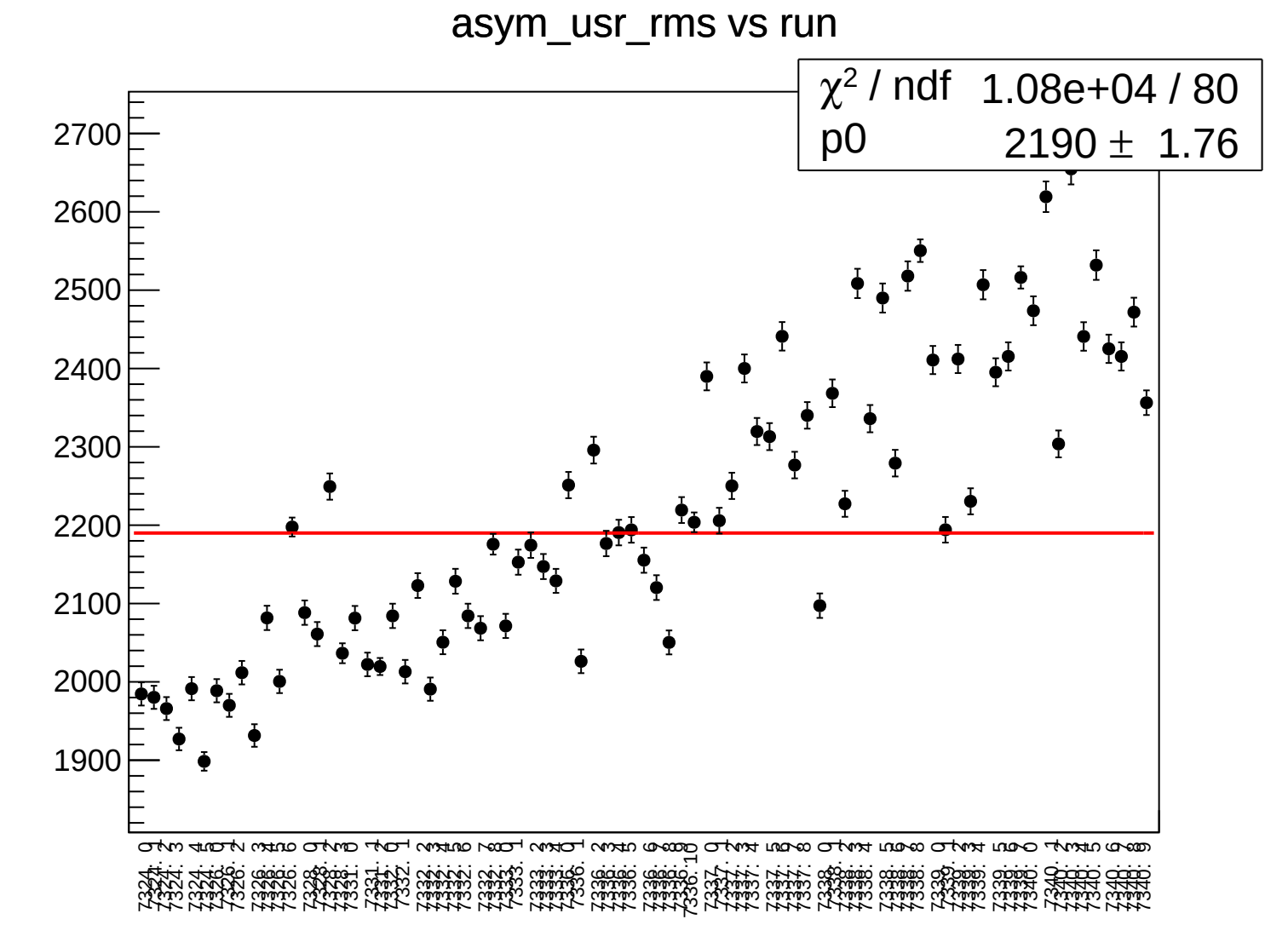

pull1D
Entries 81
Mean 0.01171
Std Dev 1.017

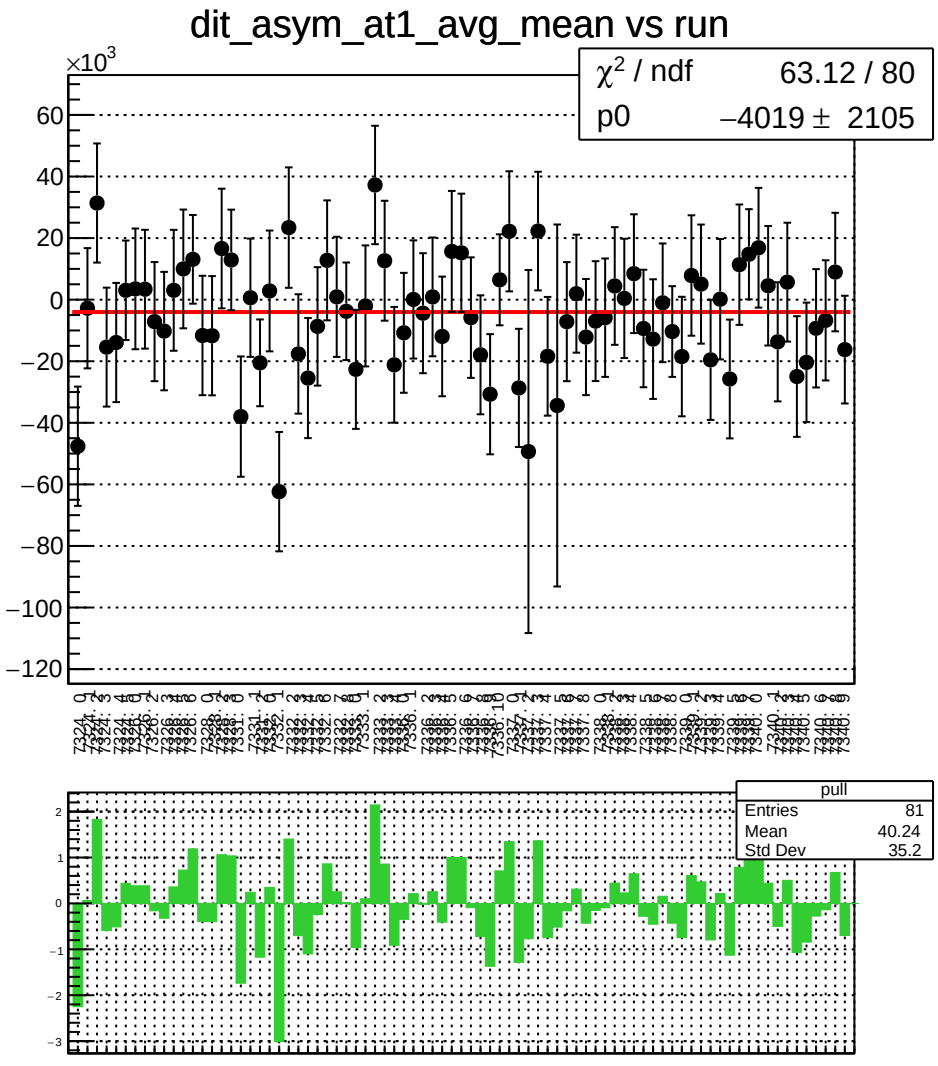
asym_usr_correction_rms vs run

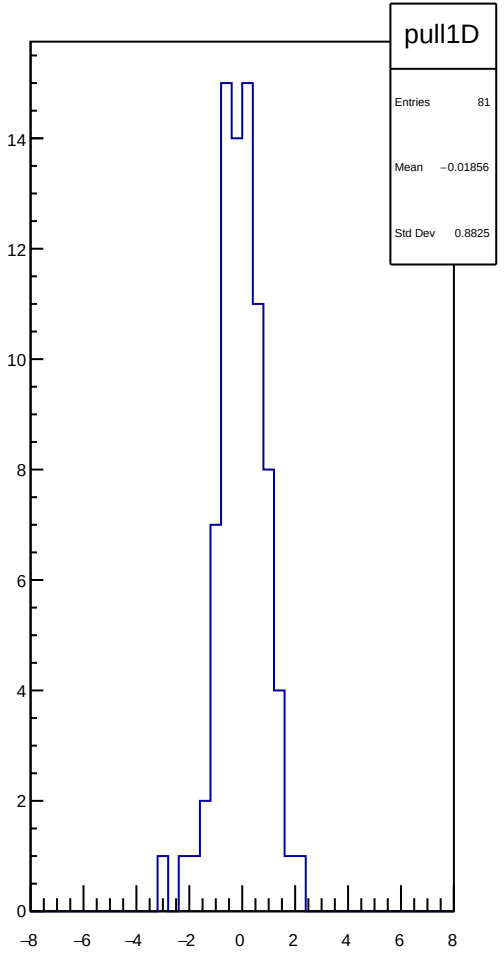


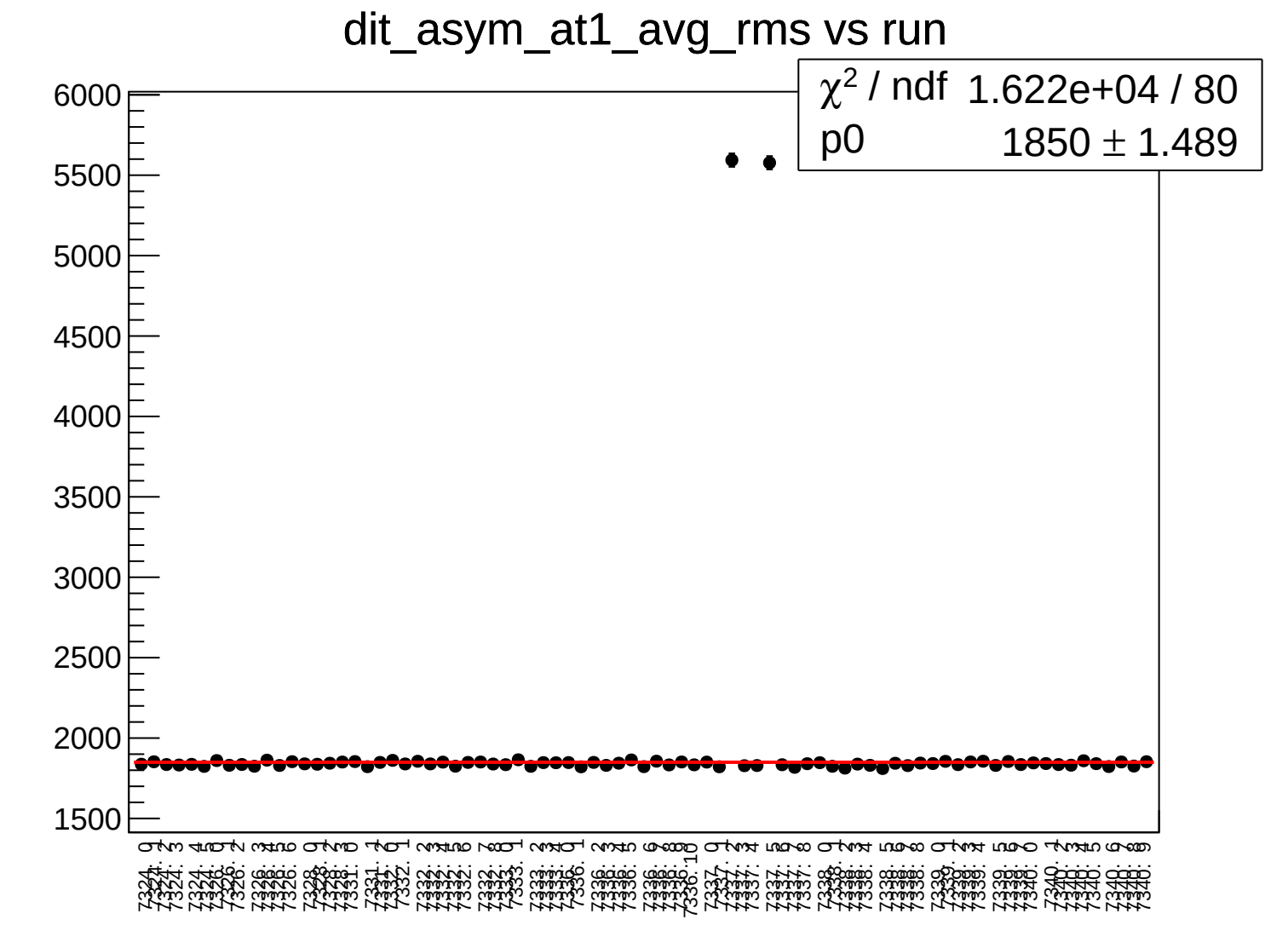

asym_usr_mean vs run
×10^3
χ² / ndf 77.58 / 80
p0 −2600 ± 2488
pull
Entries 81
Mean 865.8
Std Dev 845.6

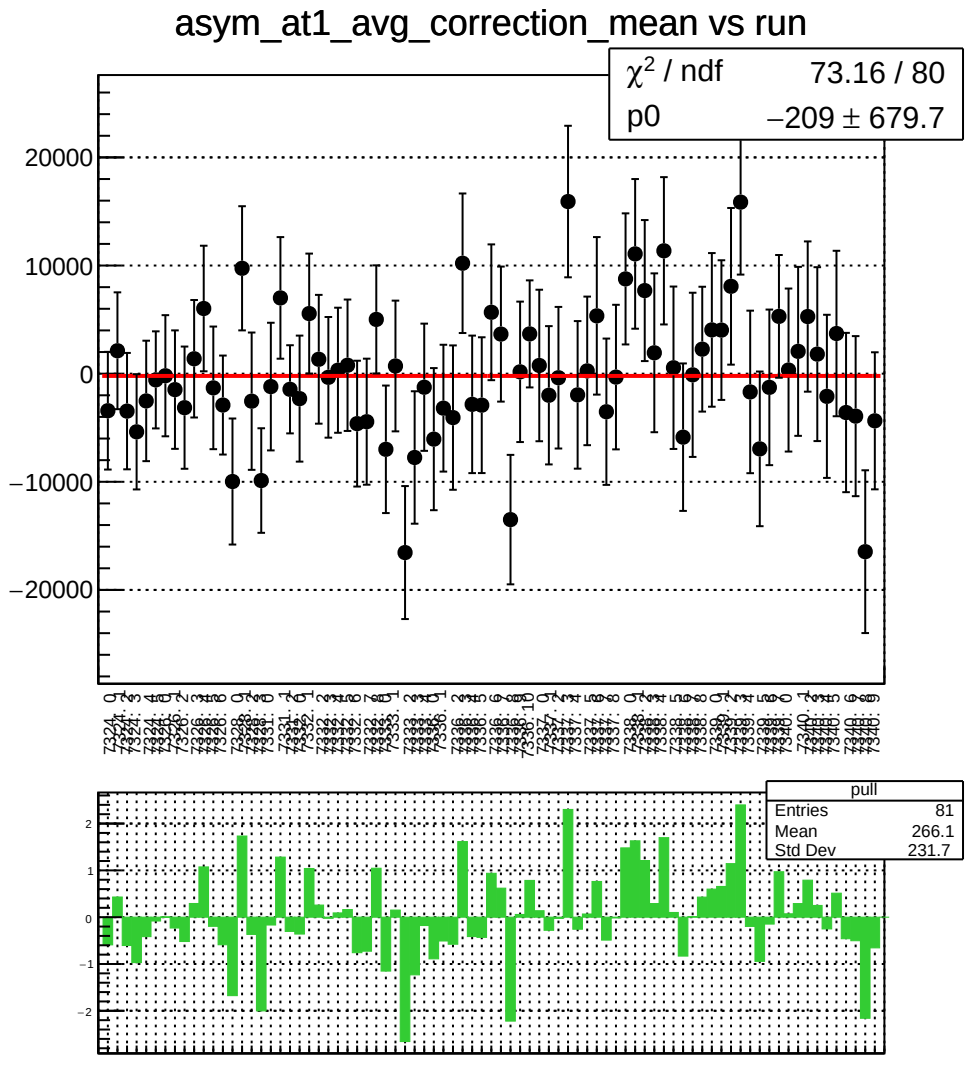

pull1D
Entries 81
Mean −0.002257
Std Dev 0.9787

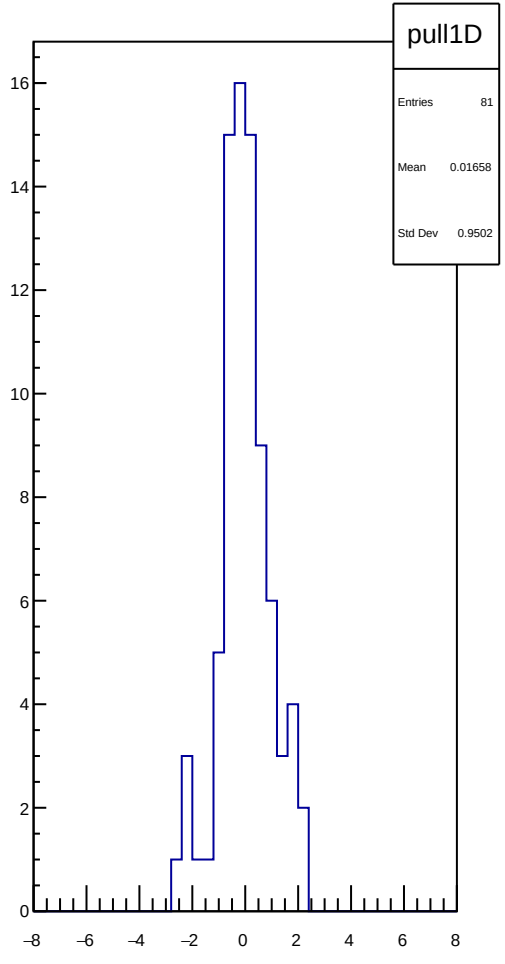

asym_usr_rms vs run
χ² / ndf 1.08e+04 / 80
p0 2190 ± 1.76
2700
2600
2500
2400
2300
2200
2100
2000
1900

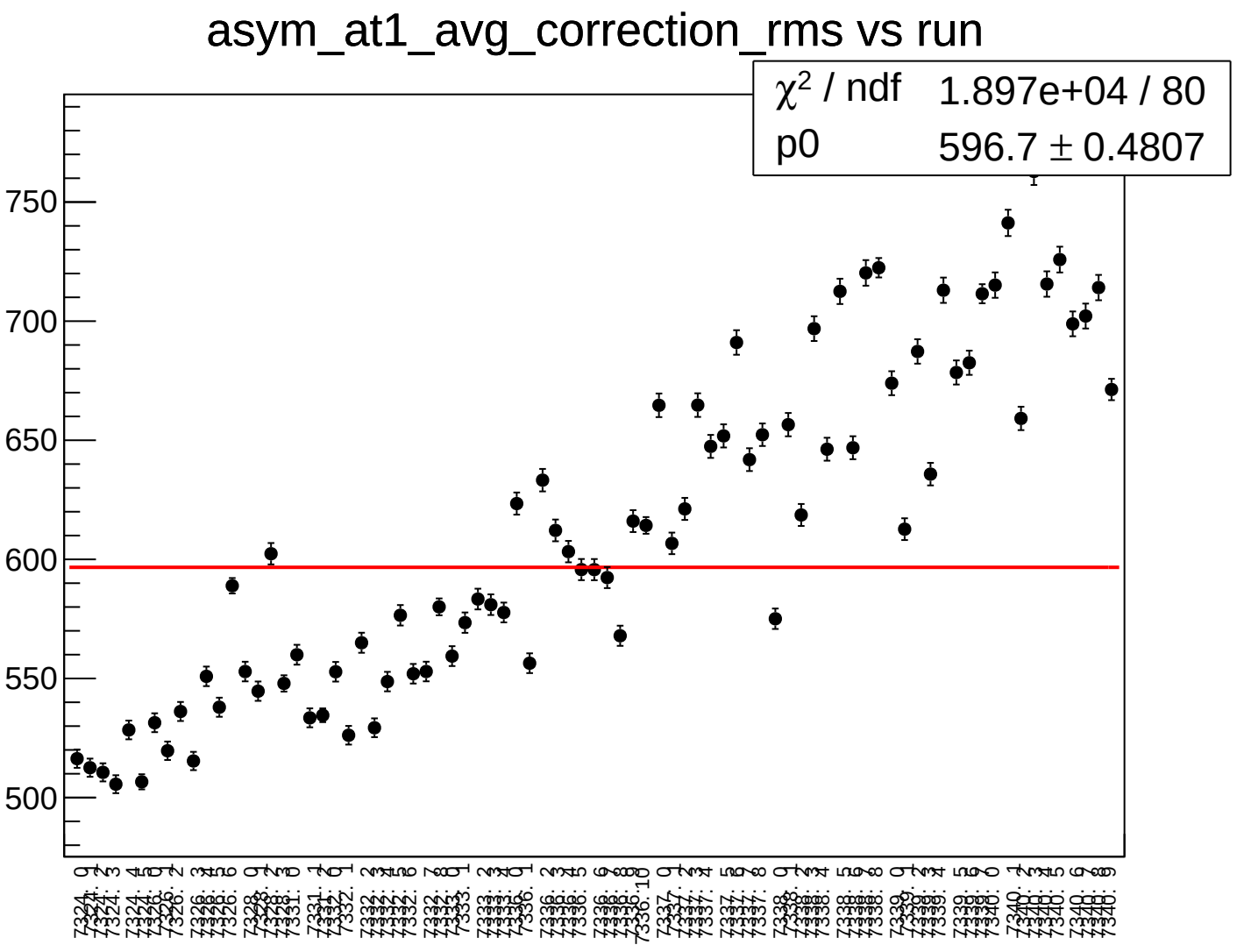

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 63.12 / 80
p0 −4019 ± 2105
pull
Entries 81
Mean 40.24
Std Dev 35.2

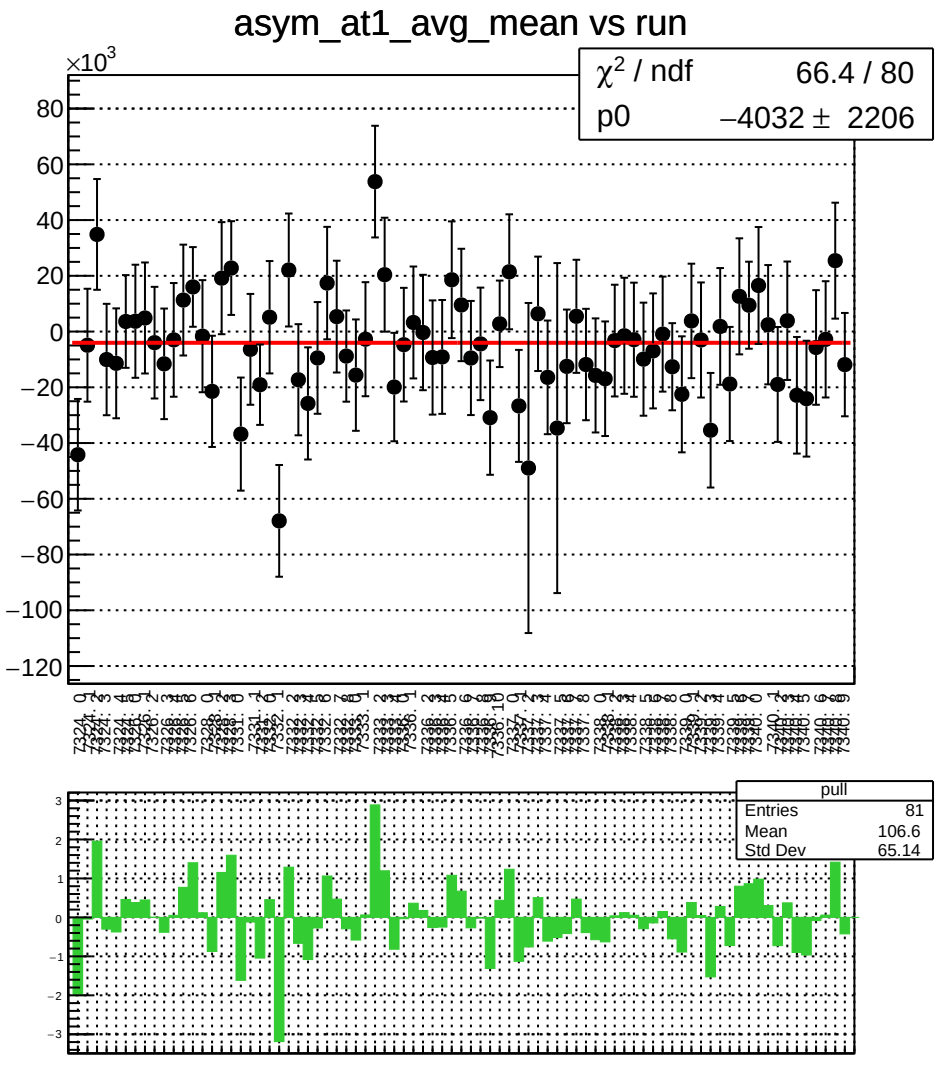

pull1D
Entries 81
Mean −0.01856
Std Dev 0.8825

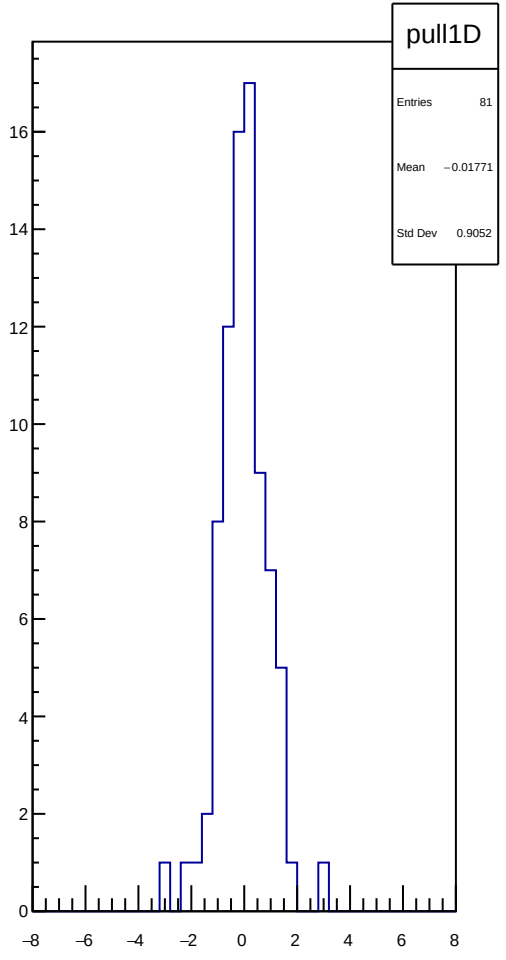

dit_asym_at1_avg_rms vs run
χ² / ndf 1.622e+04 / 80
p0 1850 ± 1.489
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

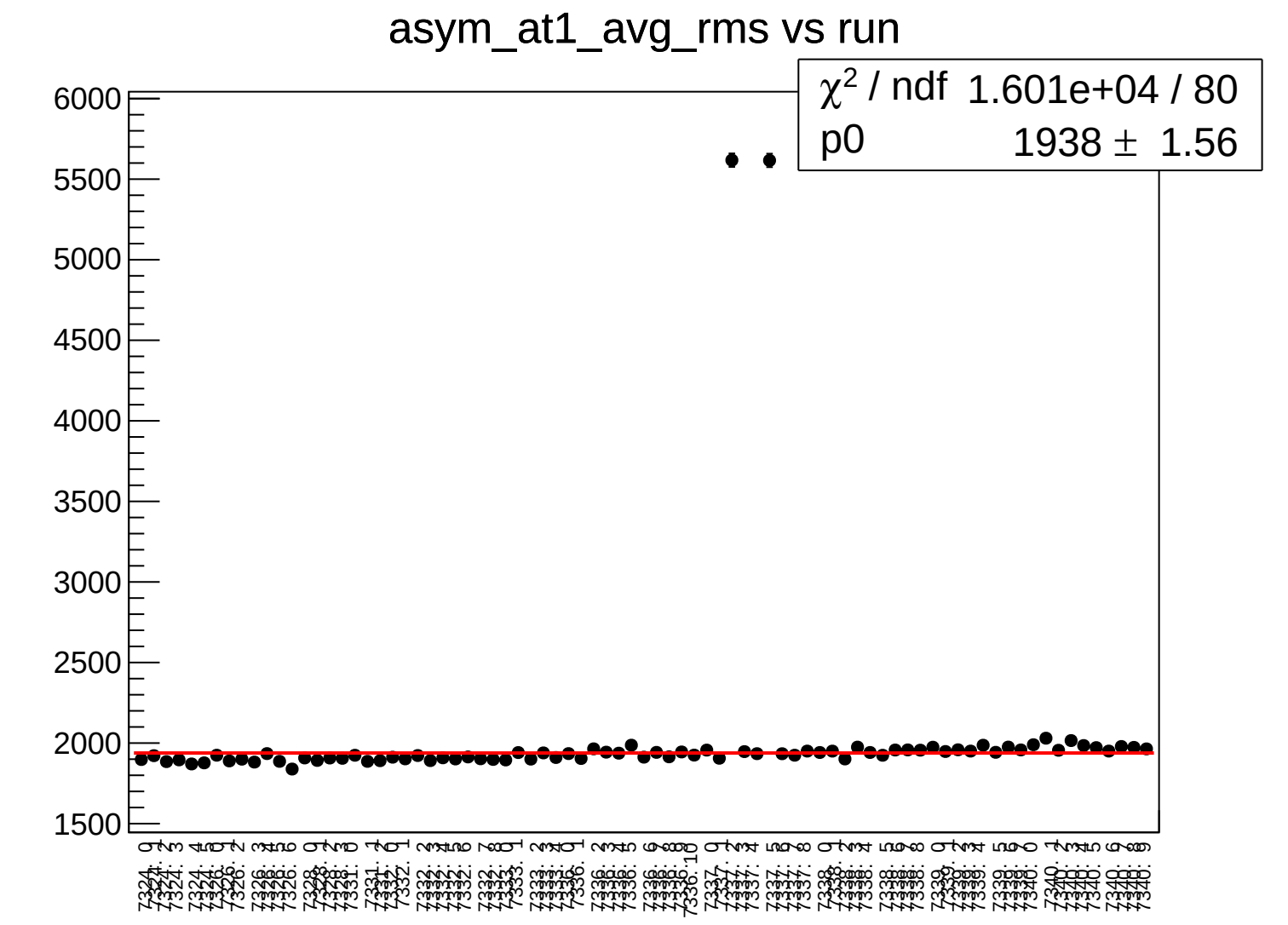

asym_at1_avg_correction_mean vs run
χ² / ndf 73.16 / 80
p0 −209 ± 679.7
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 266.1
Std Dev 231.7
2
1
0
−1
−2

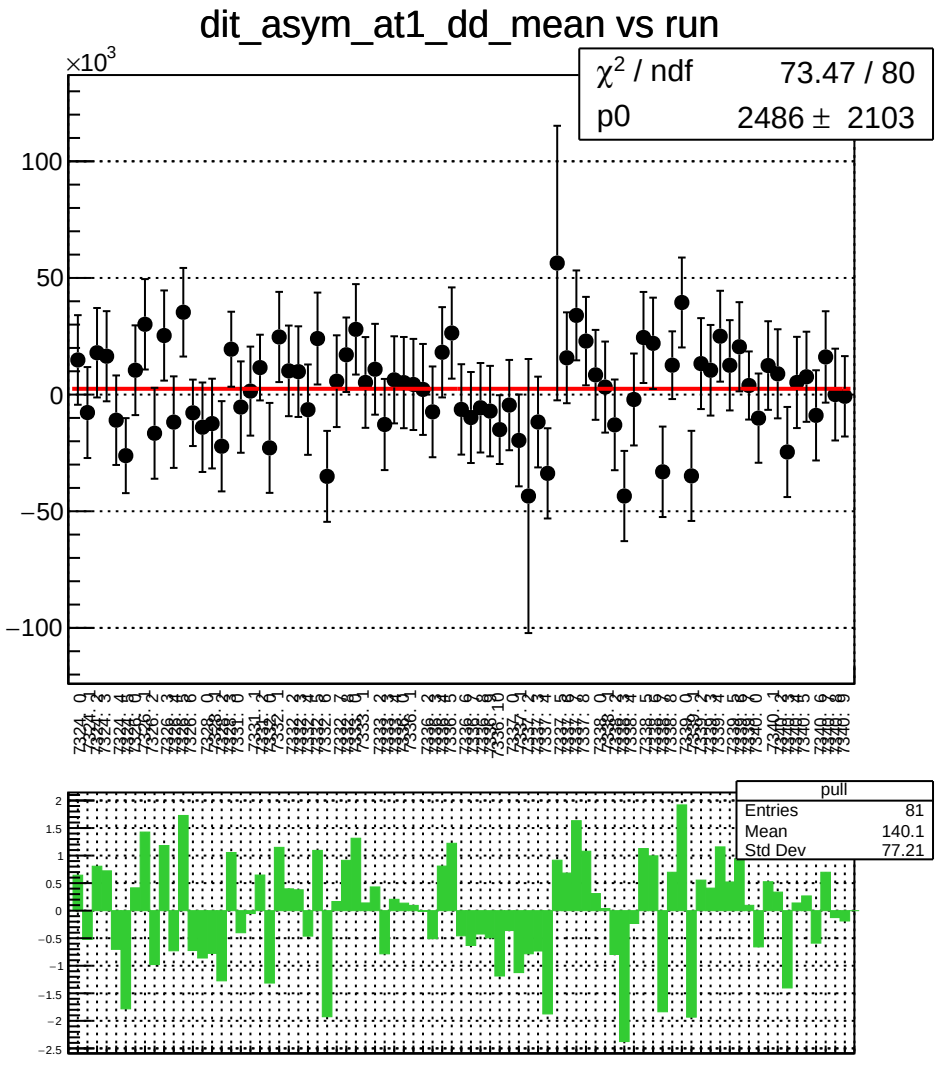

pull1D
Entries 81
Mean 0.01658
Std Dev 0.9502
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

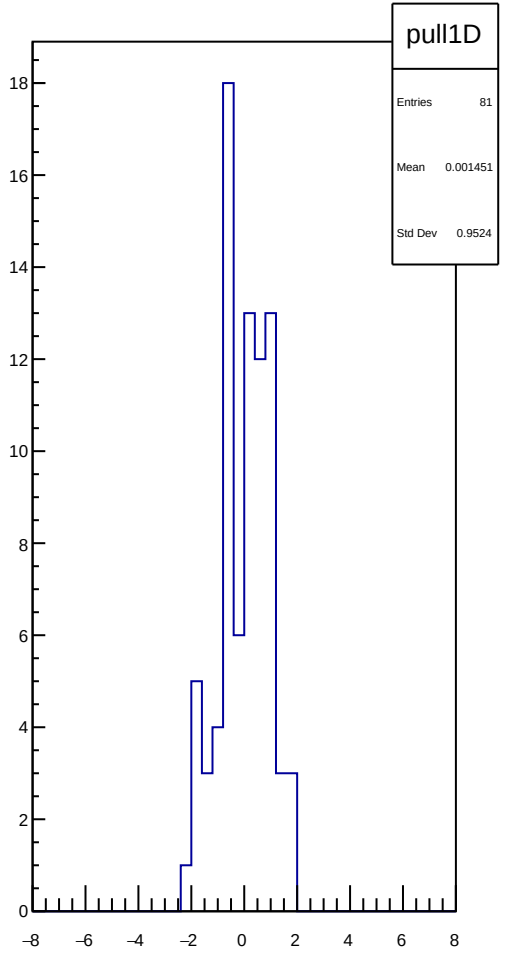

asym_at1_avg_correction_rms vs run
χ² / ndf 1.897e+04 / 80
p0 596.7 ± 0.4807
750
700
650
600
550
500

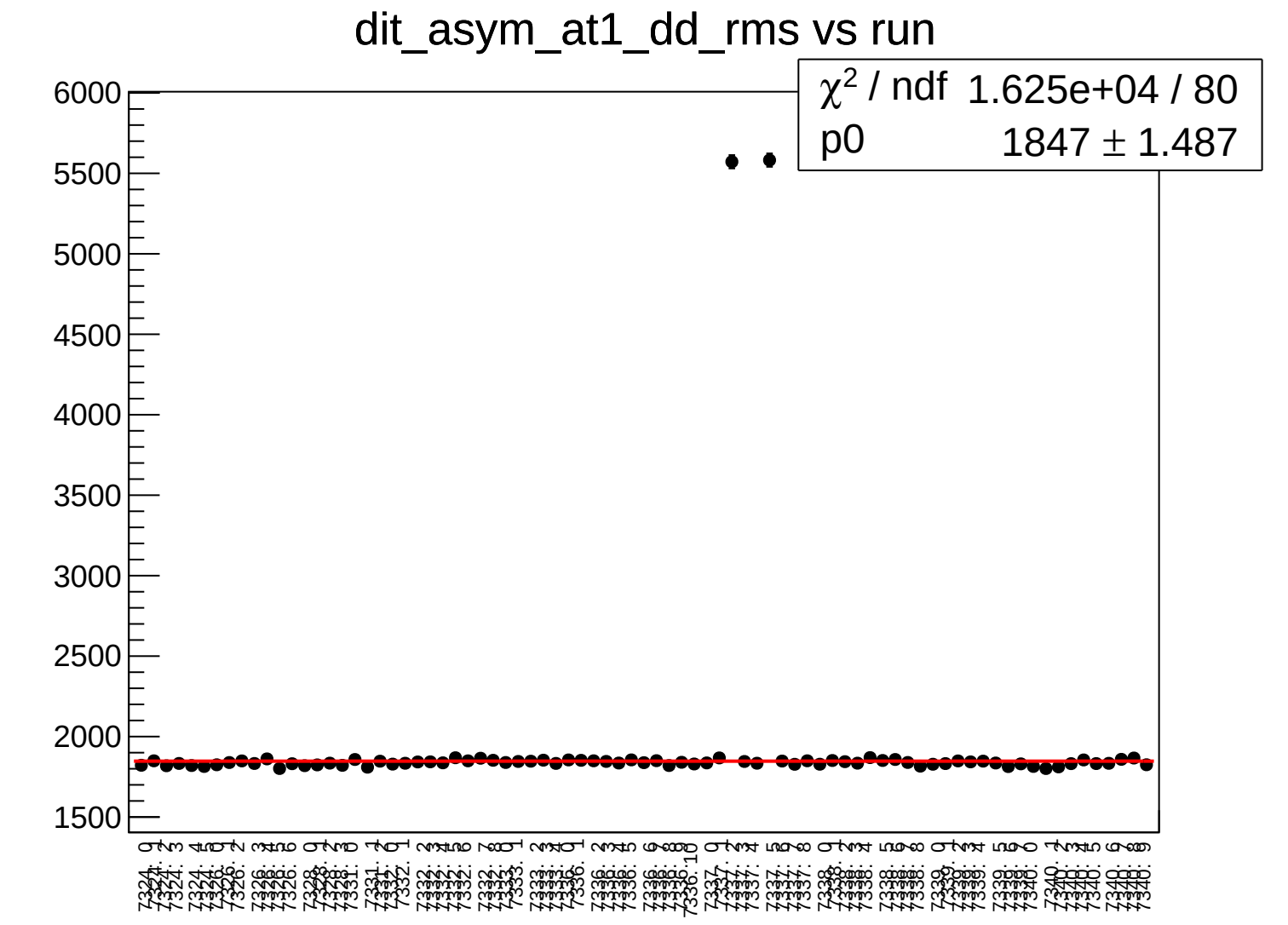

asym_at1_avg_mean vs run
×10^3
χ² / ndf 66.4 / 80
p0 −4032 ± 2206
pull
Entries 81
Mean 106.6
Std Dev 65.14

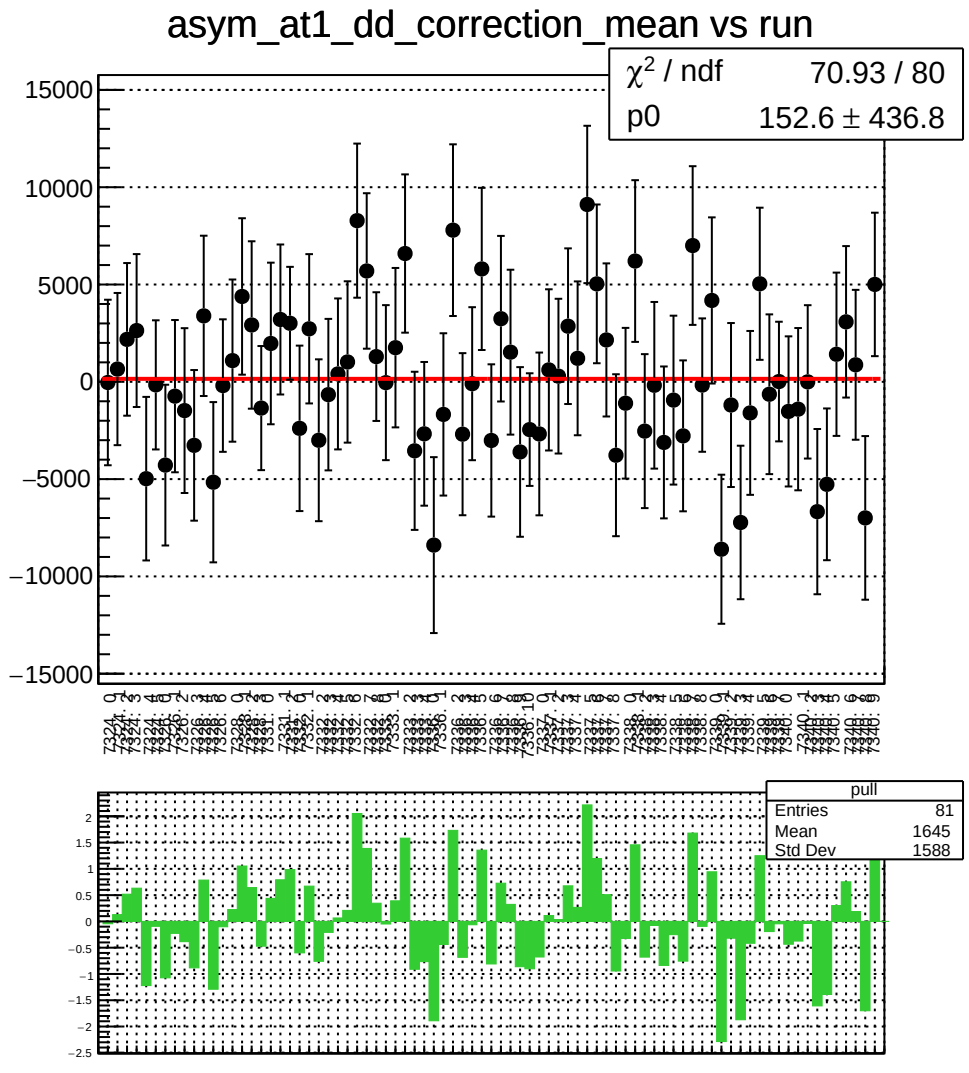

pull1D
Entries 81
Mean −0.01771
Std Dev 0.9052

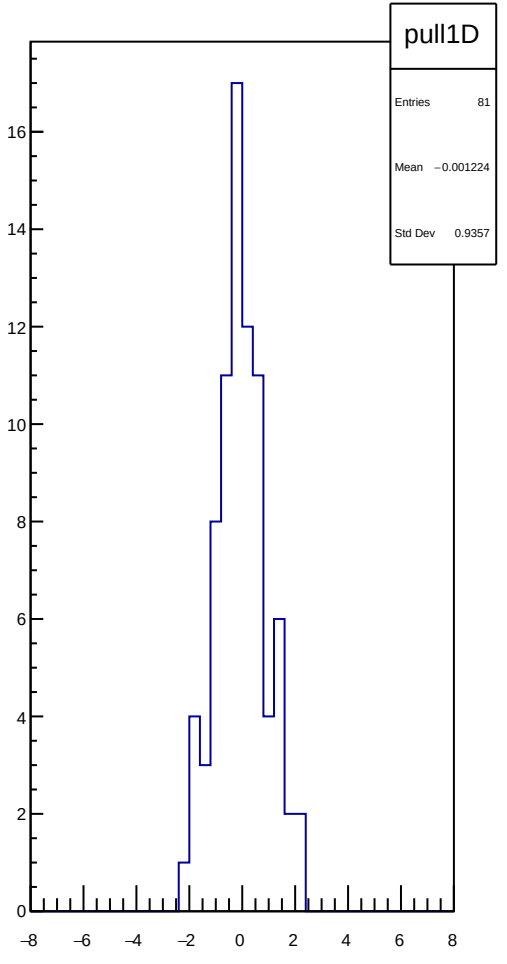

asym_at1_avg_rms vs run
χ² / ndf 1.601e+04 / 80
p0 1938 ± 1.56
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

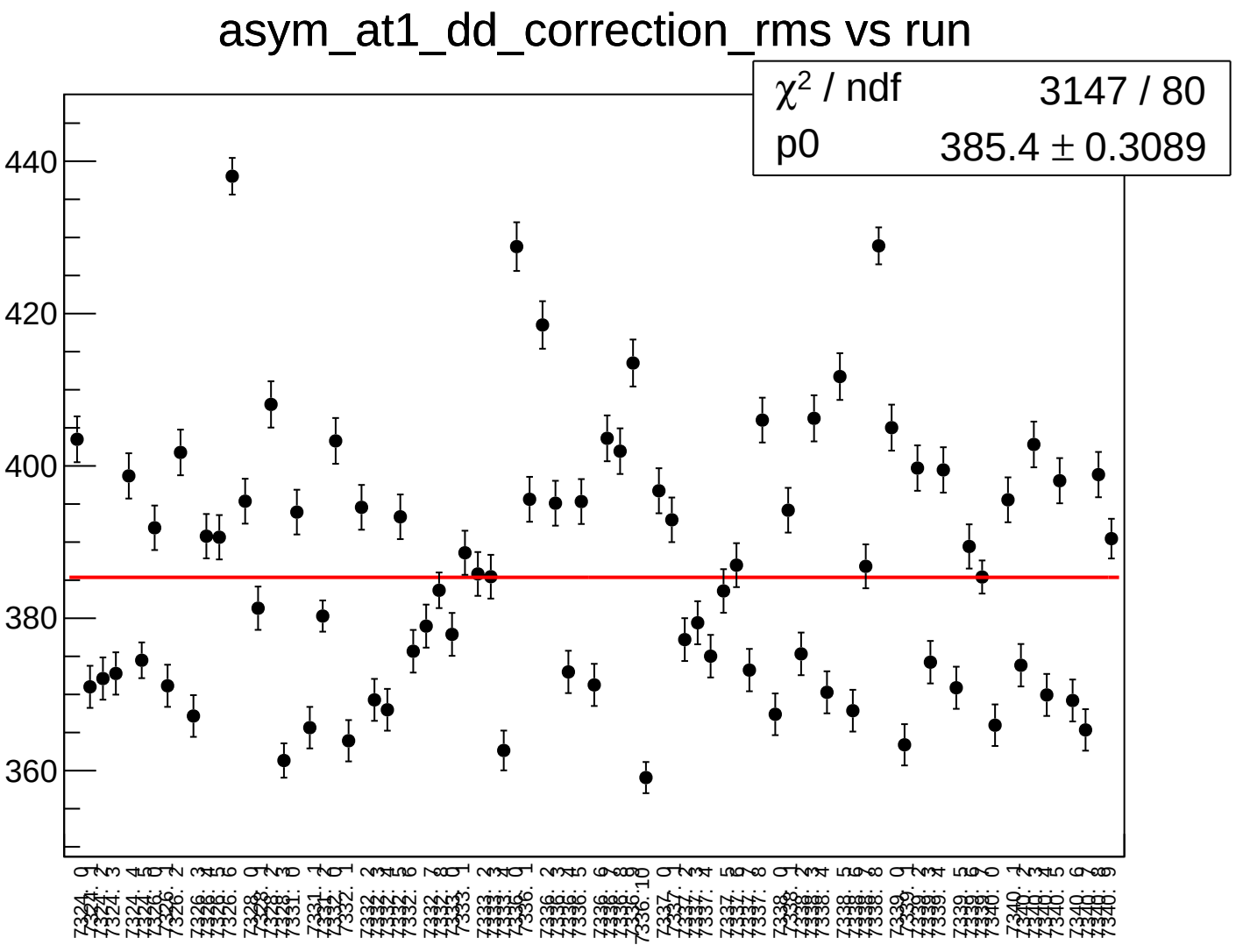

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 73.47 / 80
p0 2486 ± 2103
100
50
0
−50
−100
pull
Entries 81
Mean 140.1
Std Dev 77.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

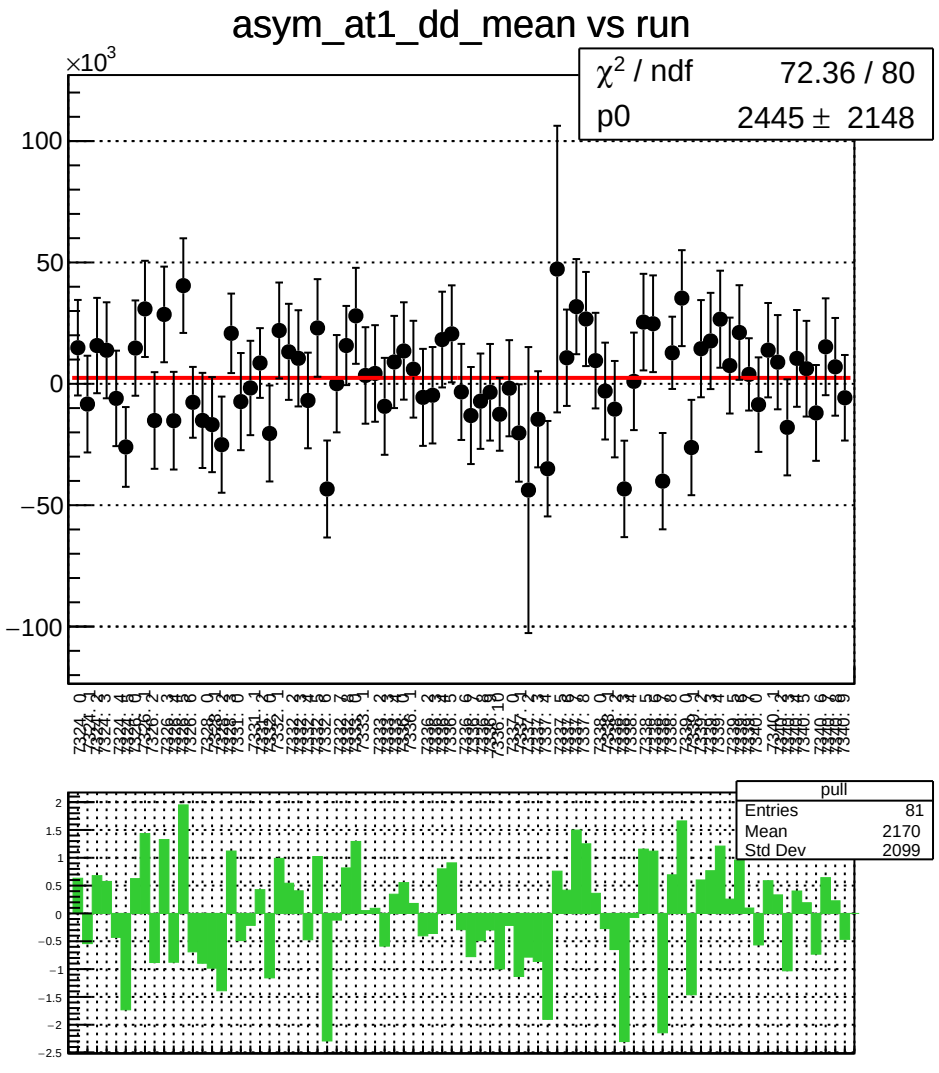

pull1D
Entries 81
Mean 0.001451
Std Dev 0.9524
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

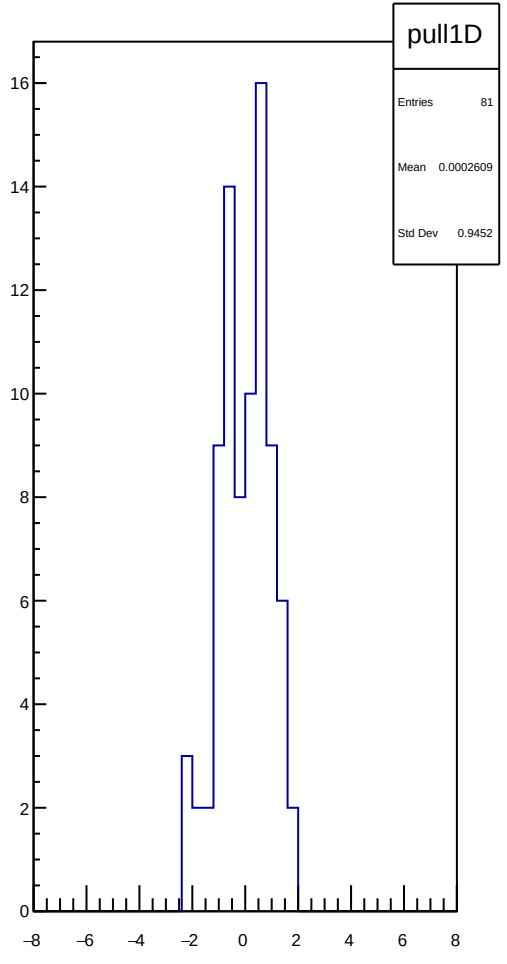

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.625e+04 / 80
p0 1847 ± 1.487
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

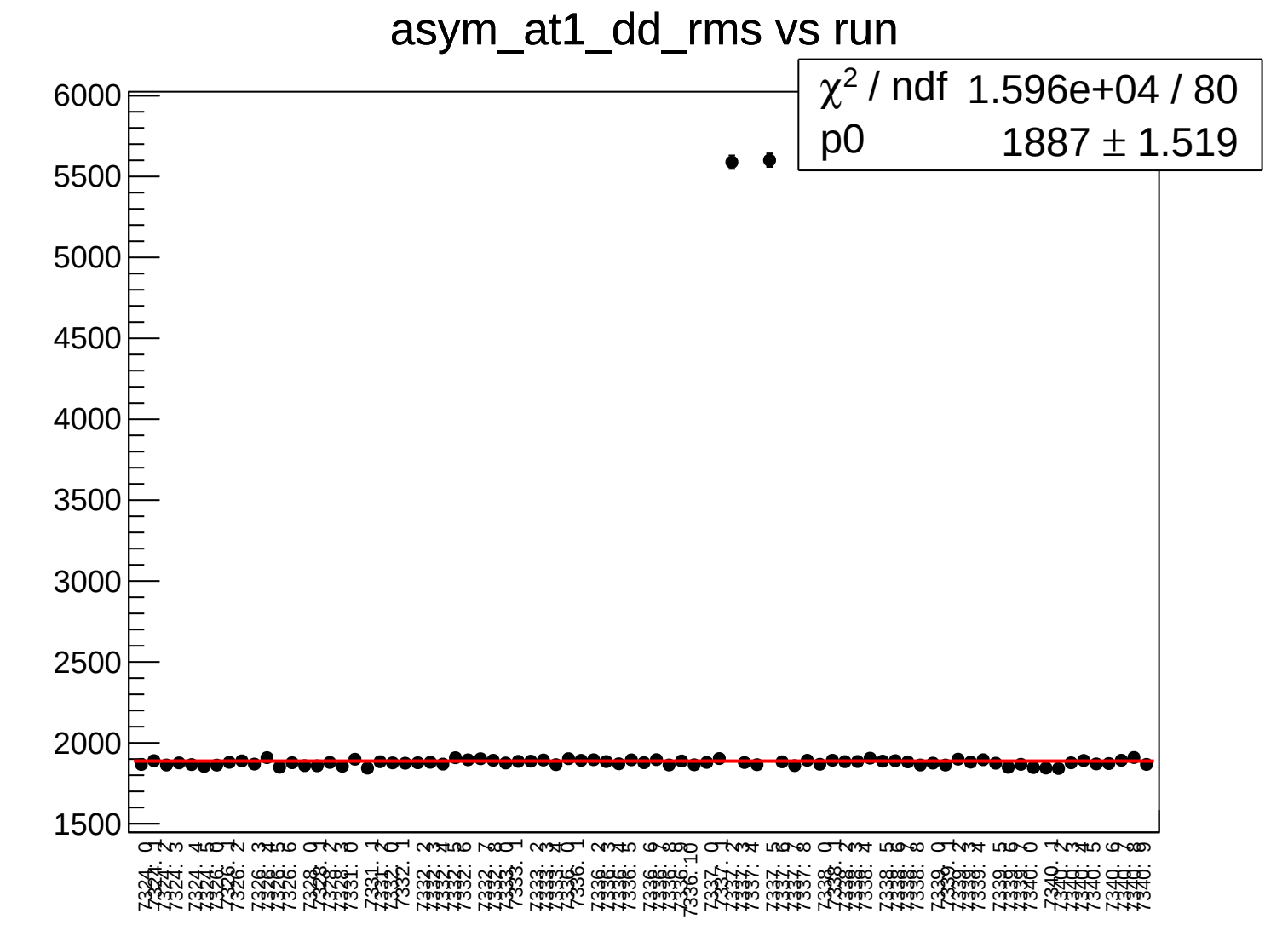

asym_at1_dd_correction_mean vs run
χ² / ndf 70.93 / 80
p0 152.6 ± 436.8
pull
Entries 81
Mean 1645
Std Dev 1588

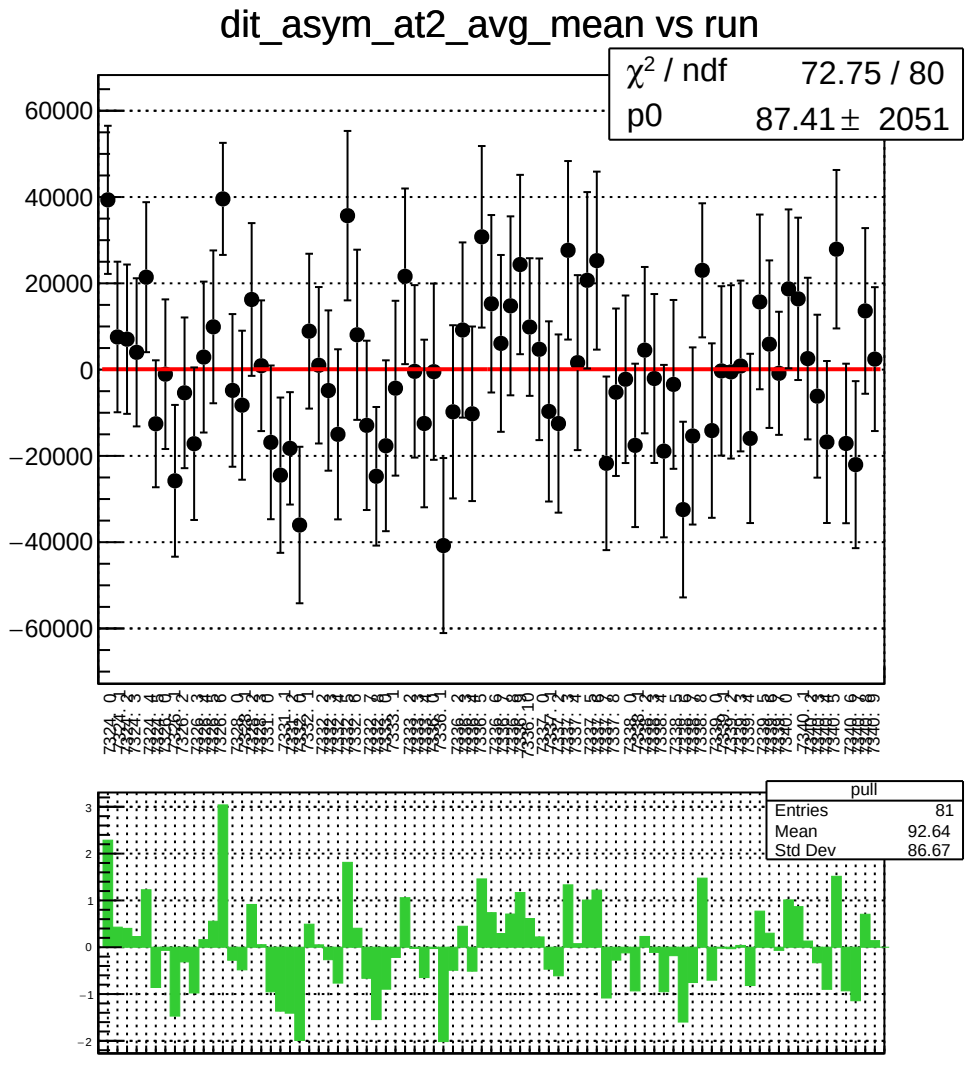

pull1D
Entries 81
Mean −0.001224
Std Dev 0.9357

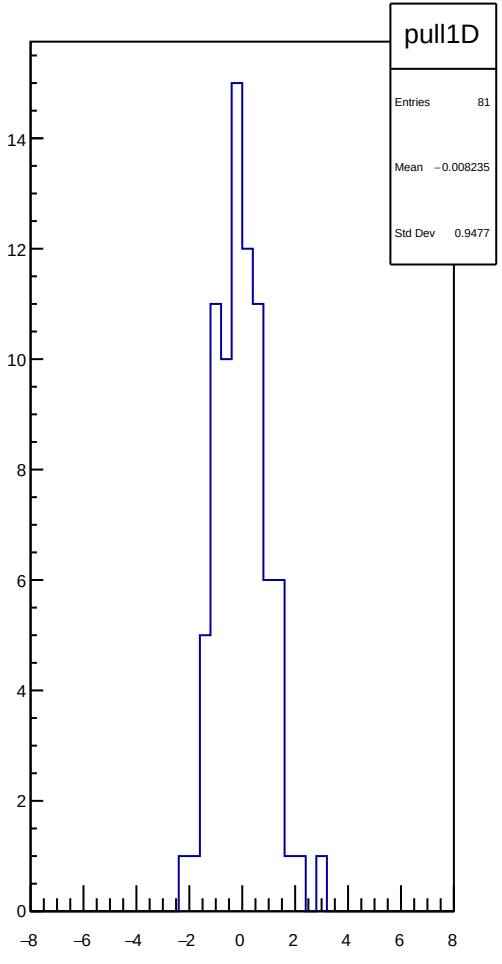

asym_at1_dd_correction_rms vs run
χ² / ndf 3147 / 80
p0 385.4 ± 0.3089
440
420
400
380
360

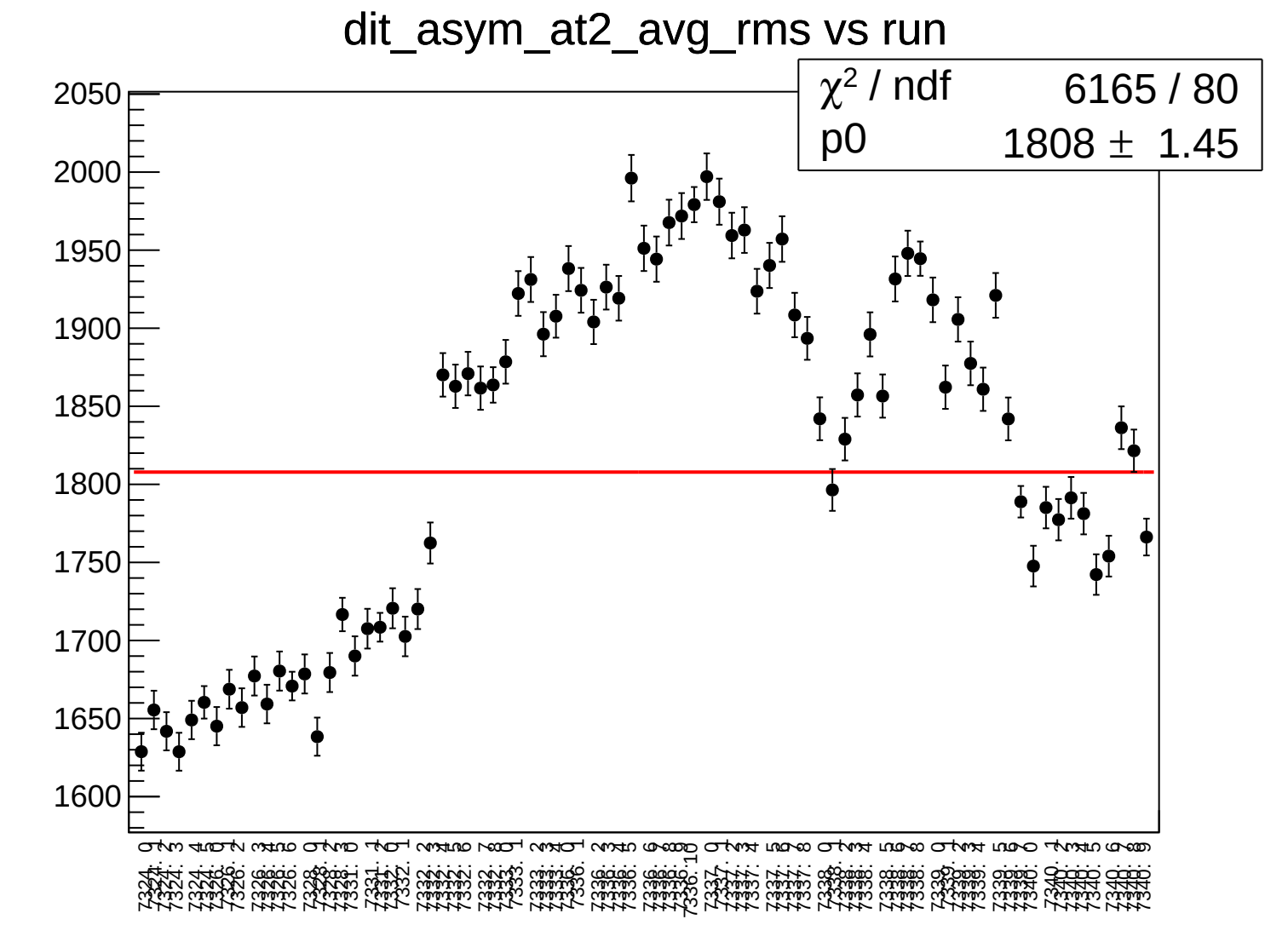

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 72.36 / 80
p0 2445 ± 2148
100
50
0
−50
−100
pull
Entries 81
Mean 2170
Std Dev 2099
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

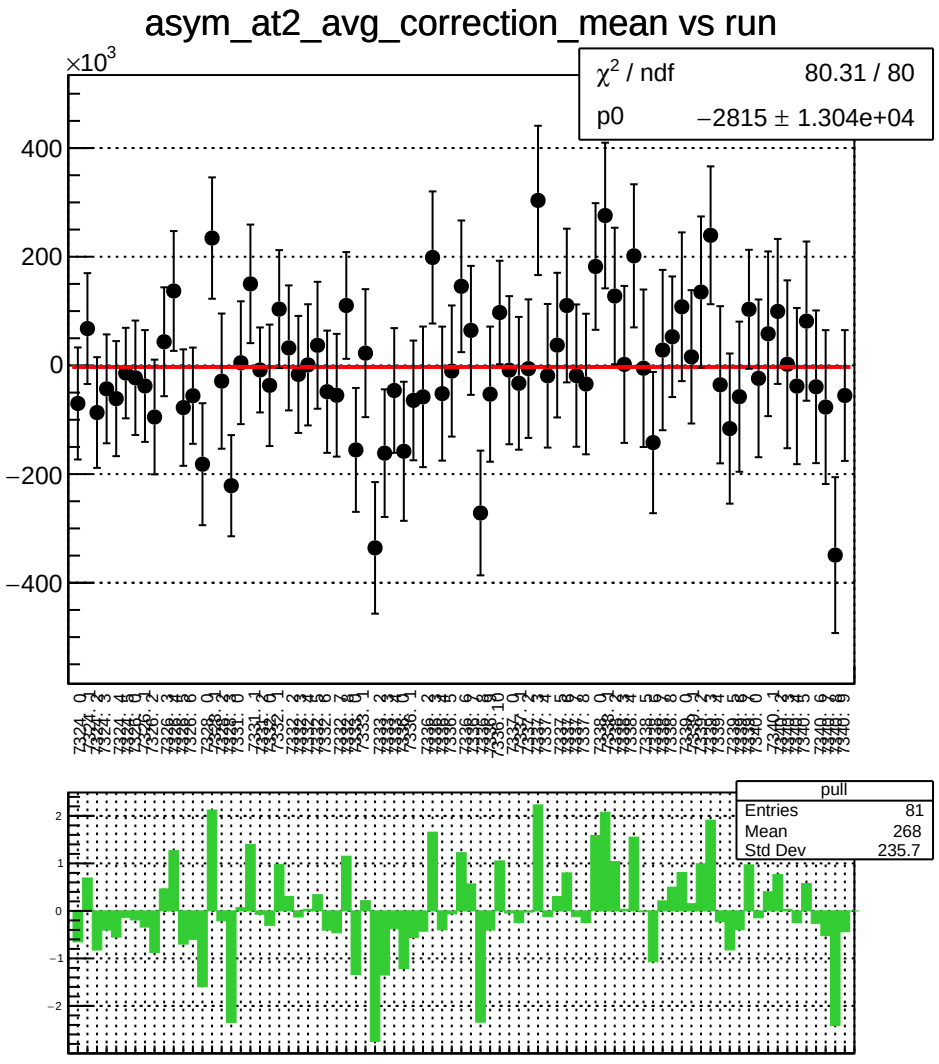

pull1D
Entries 81
Mean 0.0002609
Std Dev 0.9452
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

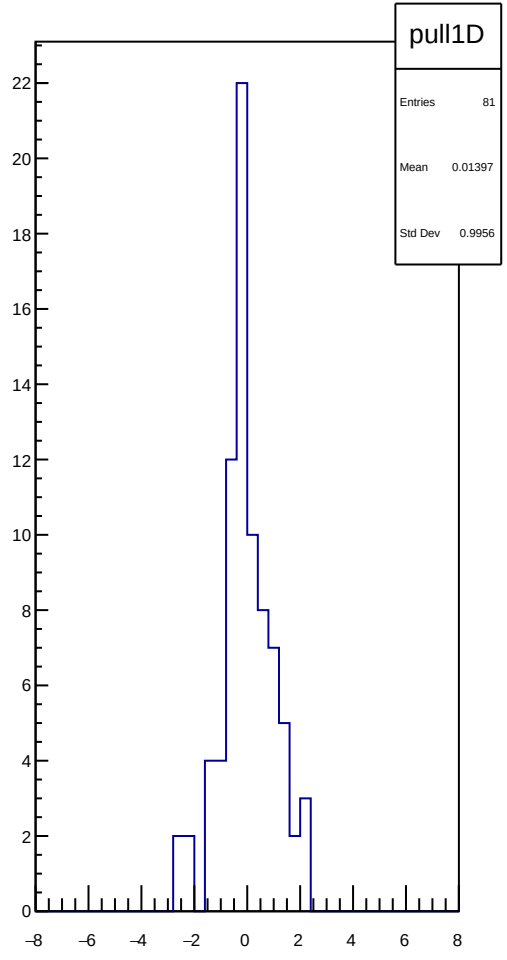

asym_at1_dd_rms vs run
χ² / ndf 1.596e+04 / 80
p0 1887 ± 1.519
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

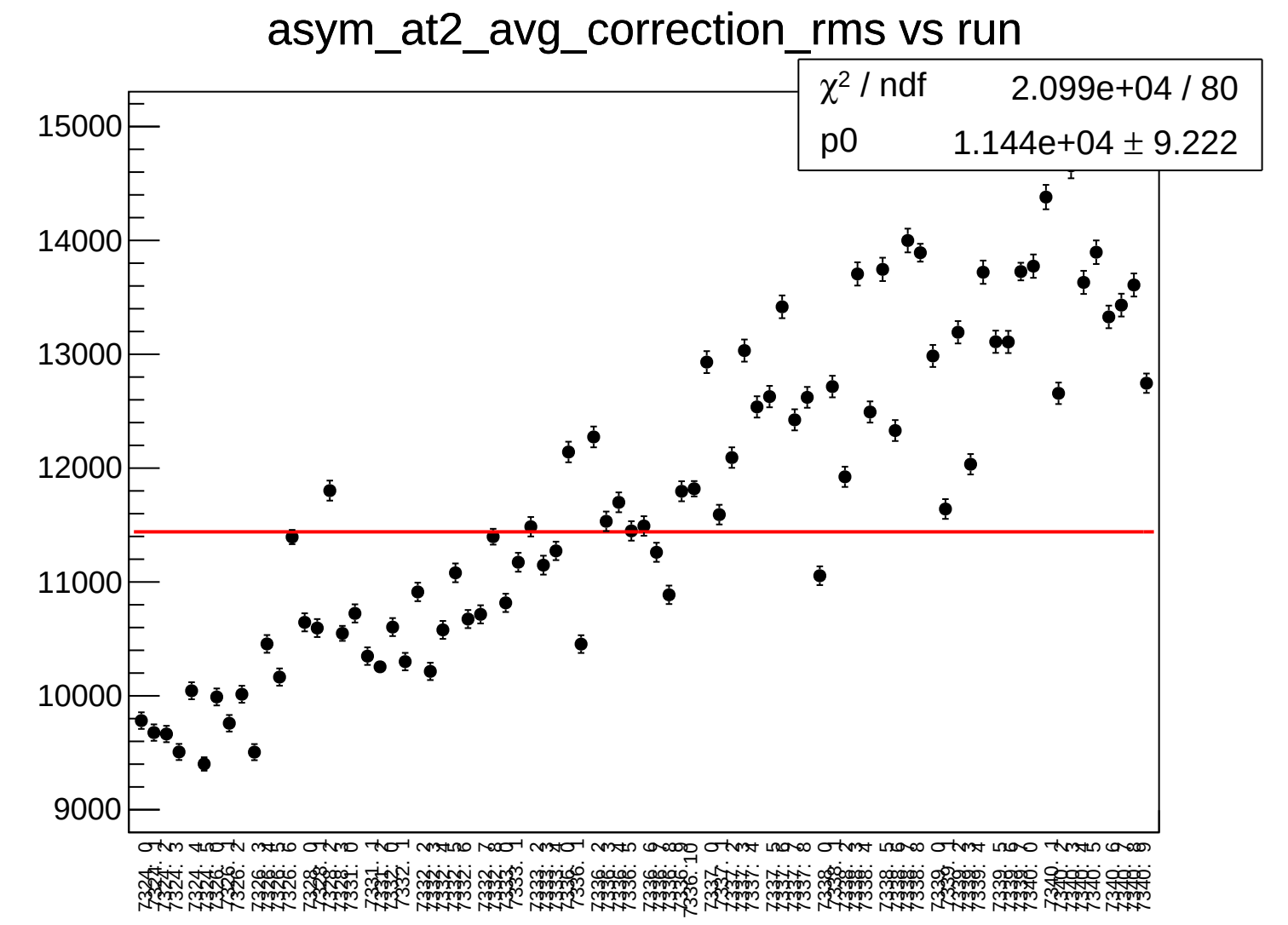

dit_asym_at2_avg_mean vs run
χ² / ndf 72.75 / 80
p0 87.41 ± 2051
pull
Entries 81
Mean 92.64
Std Dev 86.67

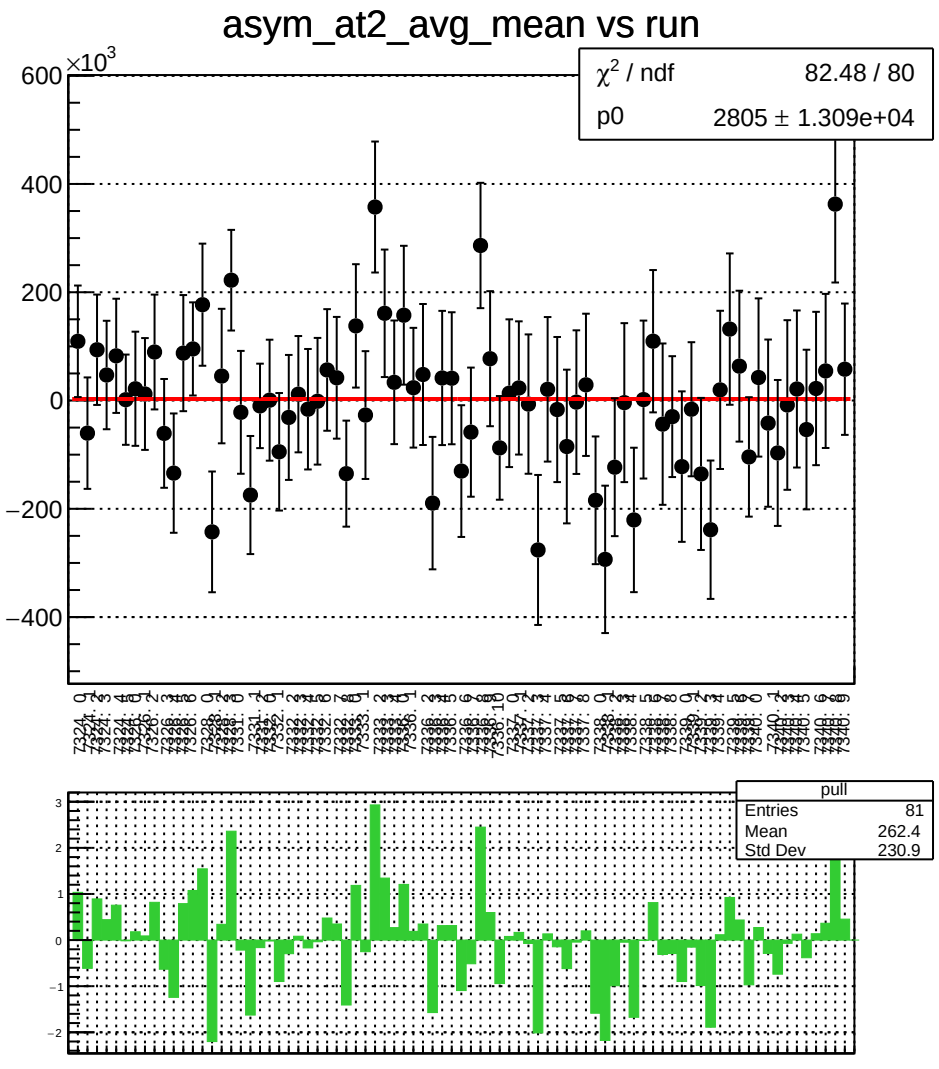

pull1D
Entries 81
Mean −0.008235
Std Dev 0.9477

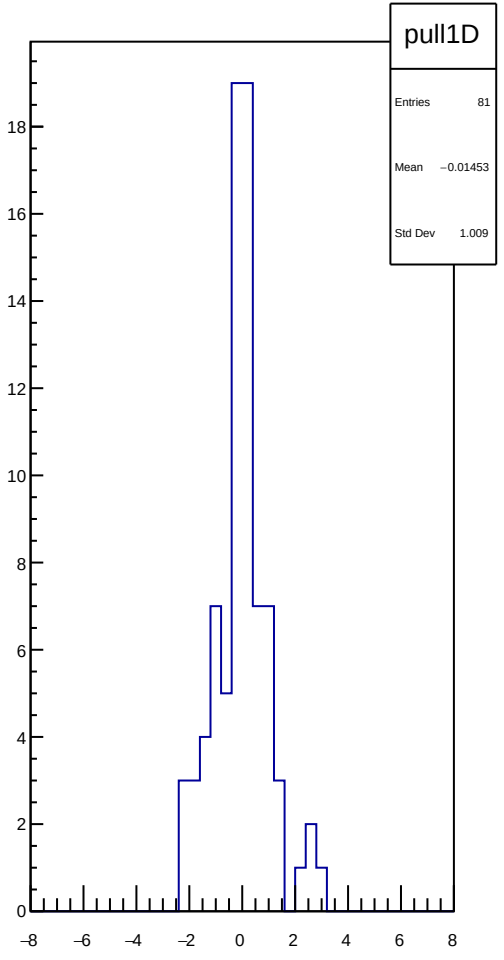

dit_asym_at2_avg_rms vs run
χ² / ndf 6165 / 80
p0 1808 ± 1.45
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

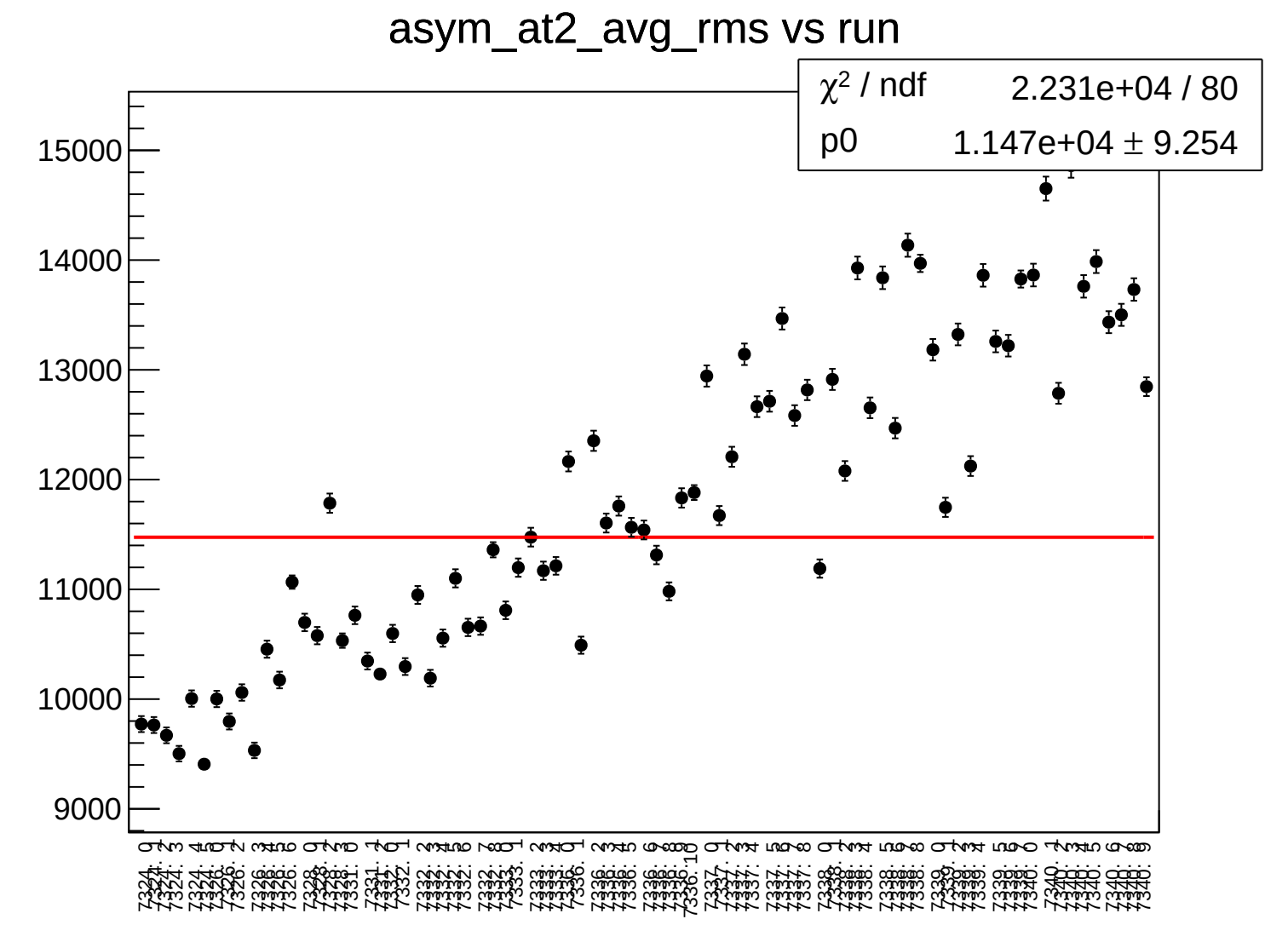

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 80.31 / 80
p0 −2815 ± 1.304e+04
400
200
0
−200
−400
pull
Entries 81
Mean 268
Std Dev 235.7
2
1
0
−1
−2

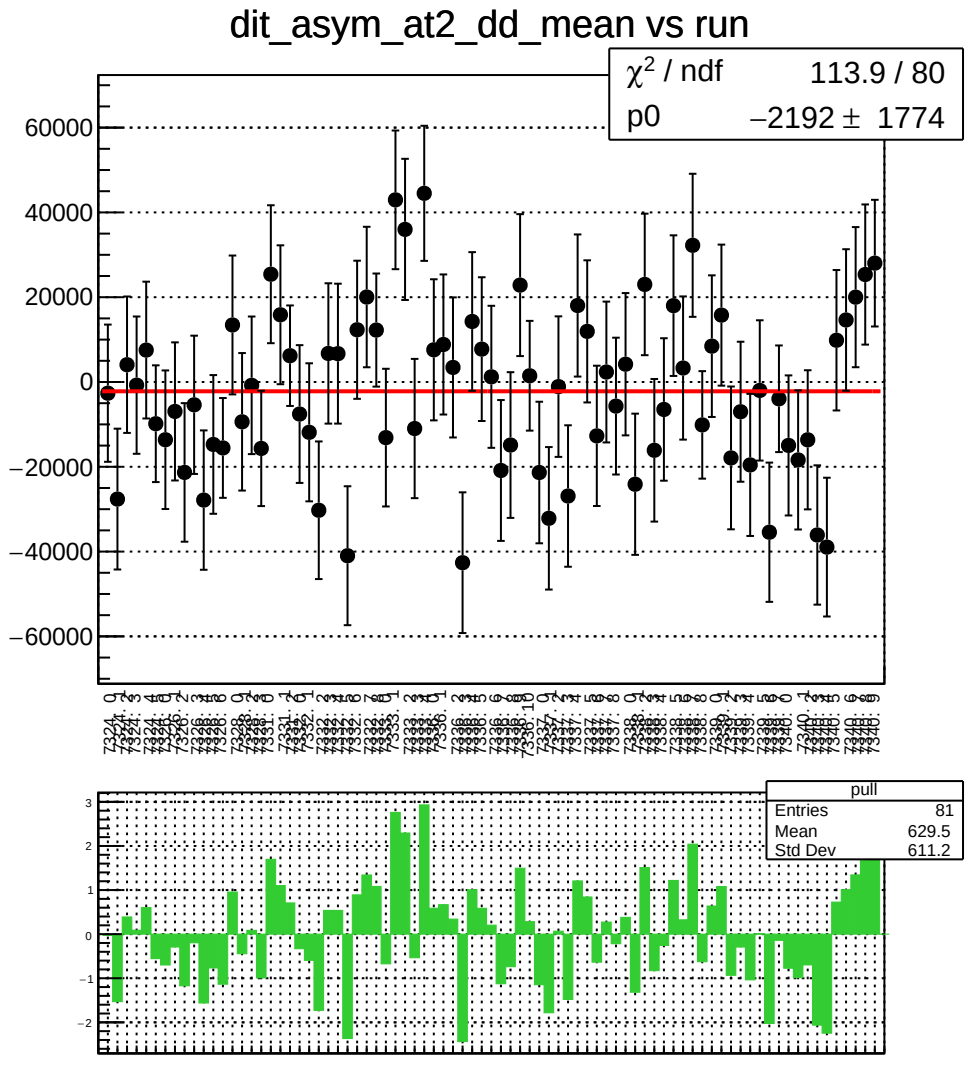

pull1D
Entries 81
Mean 0.01397
Std Dev 0.9956
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

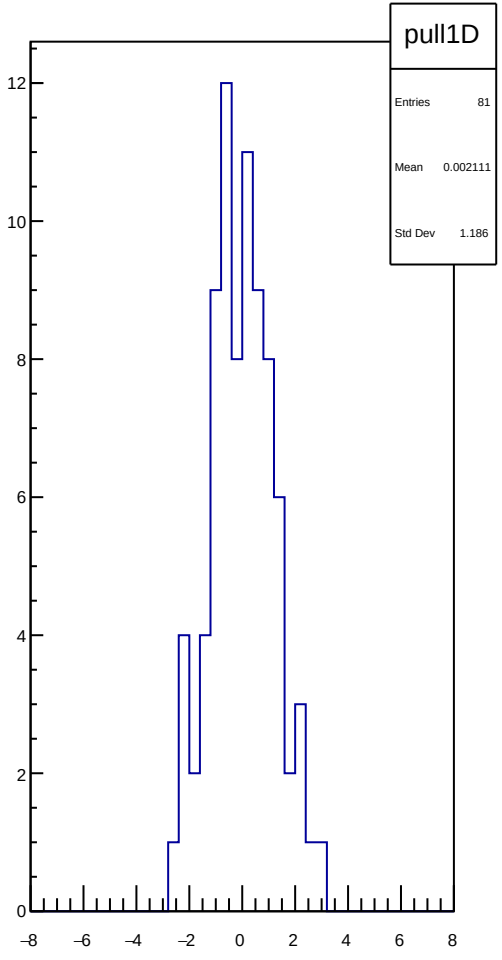

asym_at2_avg_correction_rms vs run
χ² / ndf 2.099e+04 / 80
p0 1.144e+04 ± 9.222
15000
14000
13000
12000
11000
10000
9000

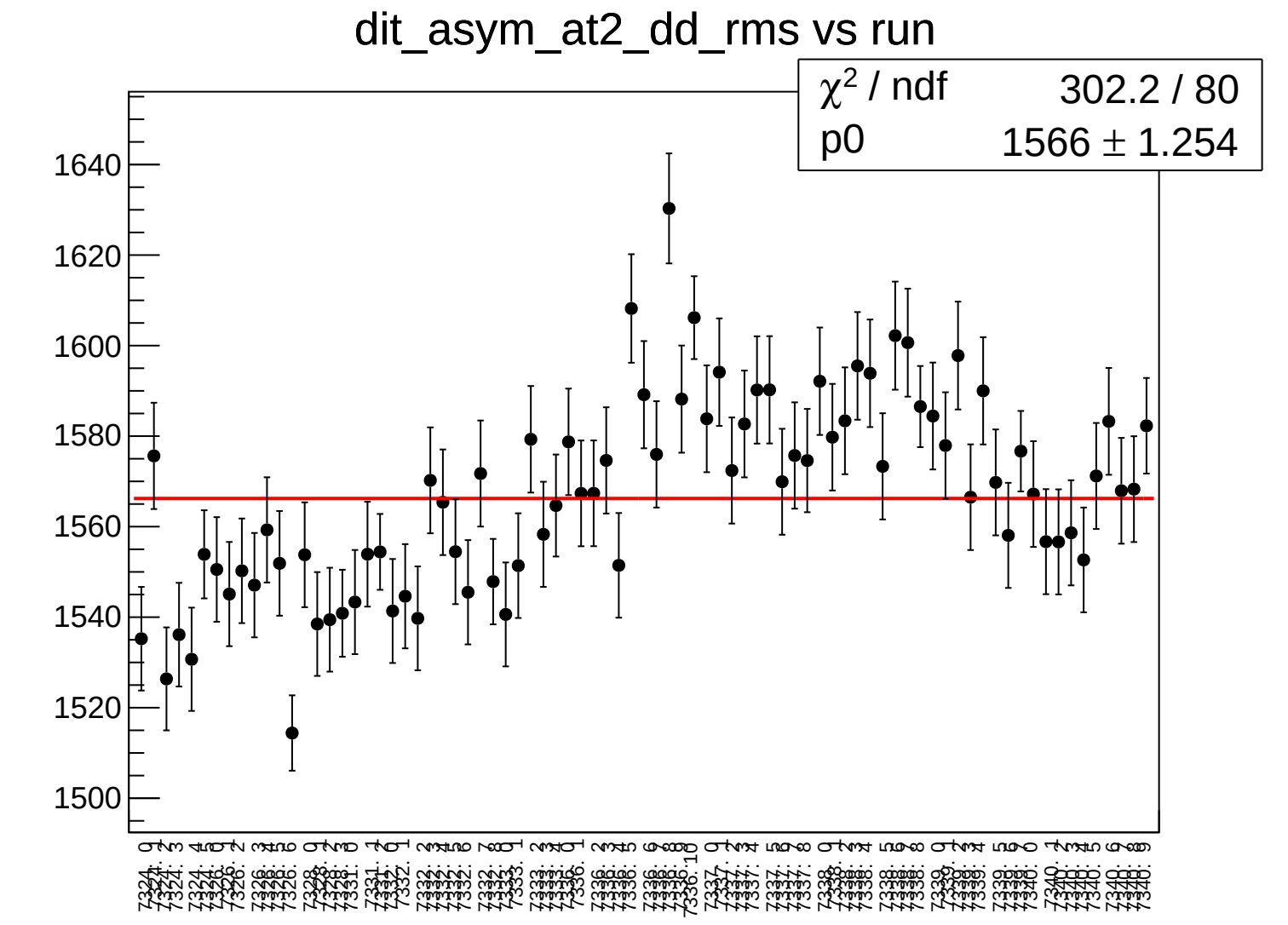

asym_at2_avg_mean vs run
χ² / ndf 82.48 / 80
p0 2805 ± 1.309e+04
×10³
pull
Entries 81
Mean 262.4
Std Dev 230.9

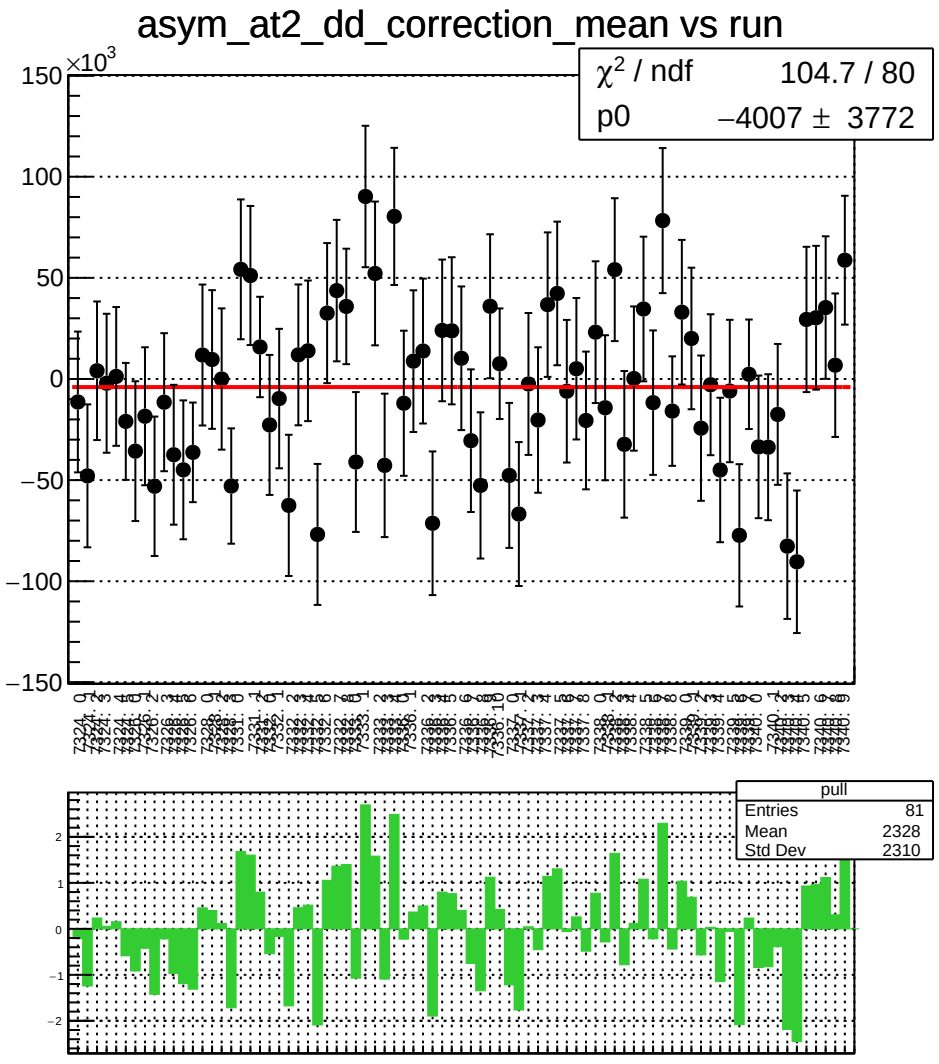

pull1D
Entries 81
Mean −0.01453
Std Dev 1.009

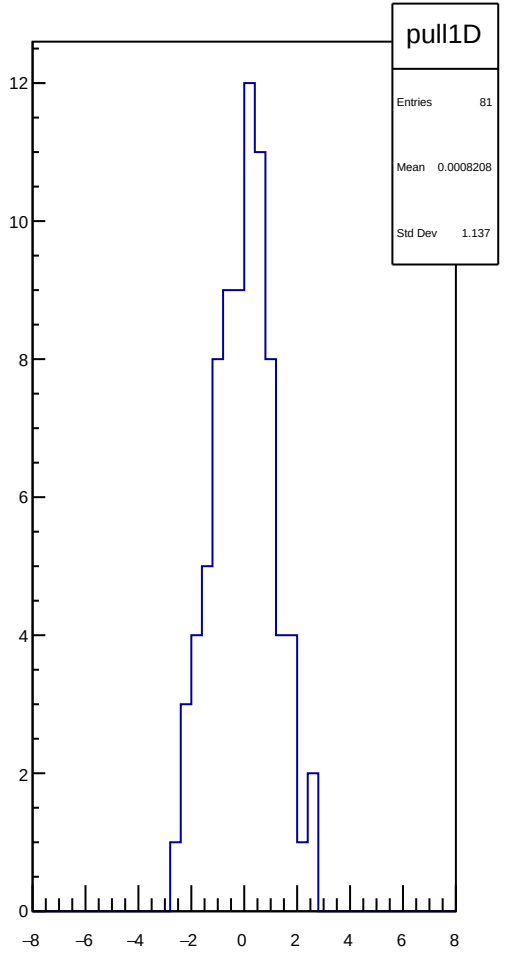

asym_at2_avg_rms vs run
χ² / ndf 2.231e+04 / 80
p0 1.147e+04 ± 9.254
15000
14000
13000
12000
11000
10000
9000

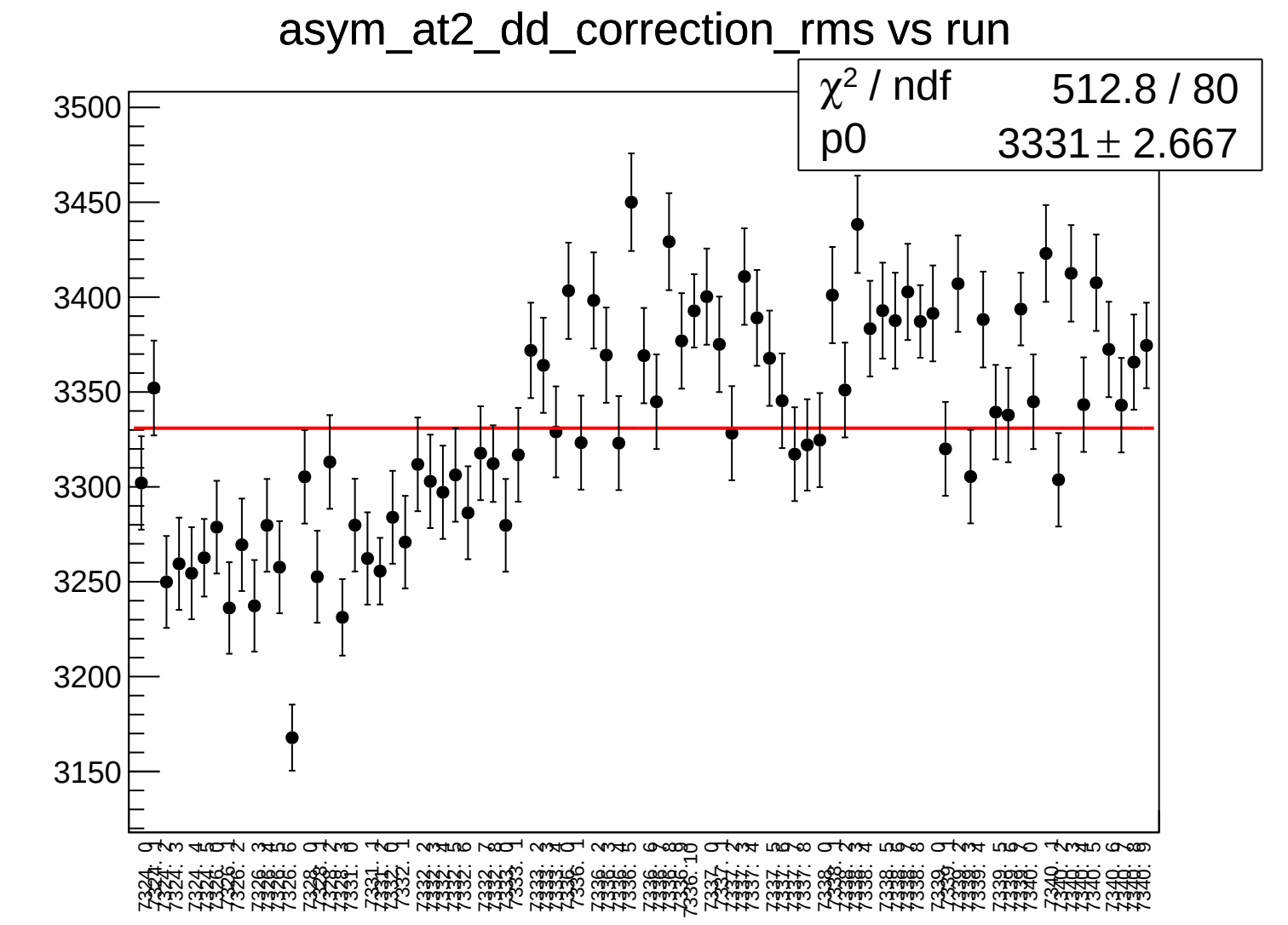

dit_asym_at2_dd_mean vs run
χ² / ndf 113.9 / 80
p0 −2192 ± 1774
pull
Entries 81
Mean 629.5
Std Dev 611.2

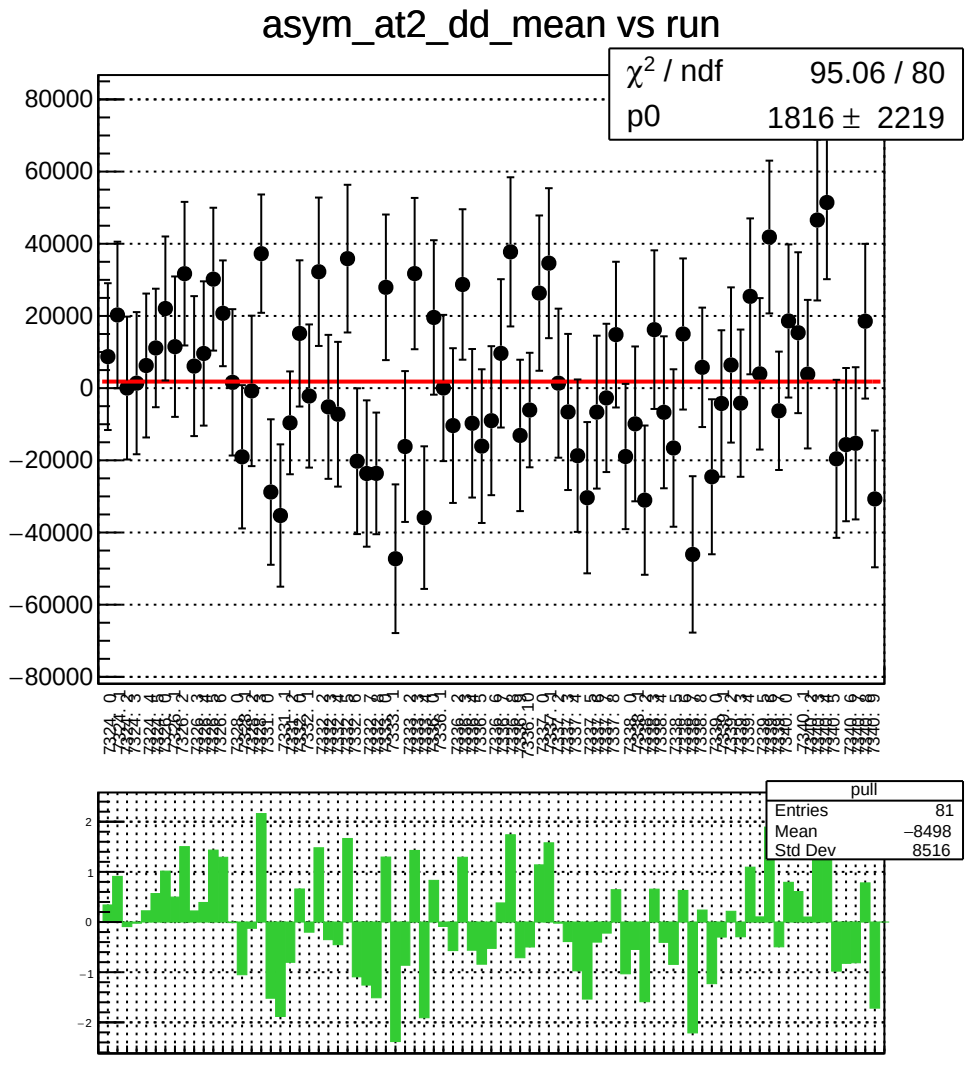

pull1D
Entries 81
Mean 0.002111
Std Dev 1.186

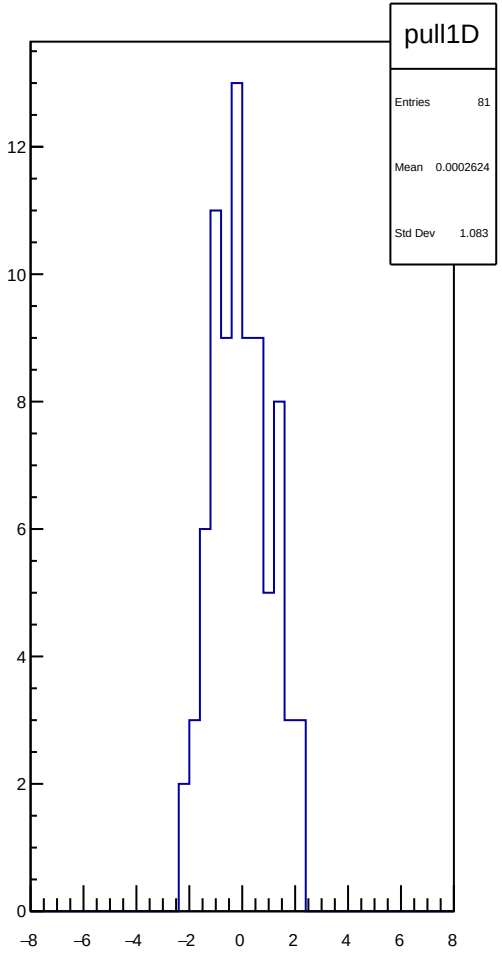

dit_asym_at2_dd_rms vs run
χ² / ndf 302.2 / 80
p0 1566 ± 1.254
1640
1620
1600
1580
1560
1540
1520
1500

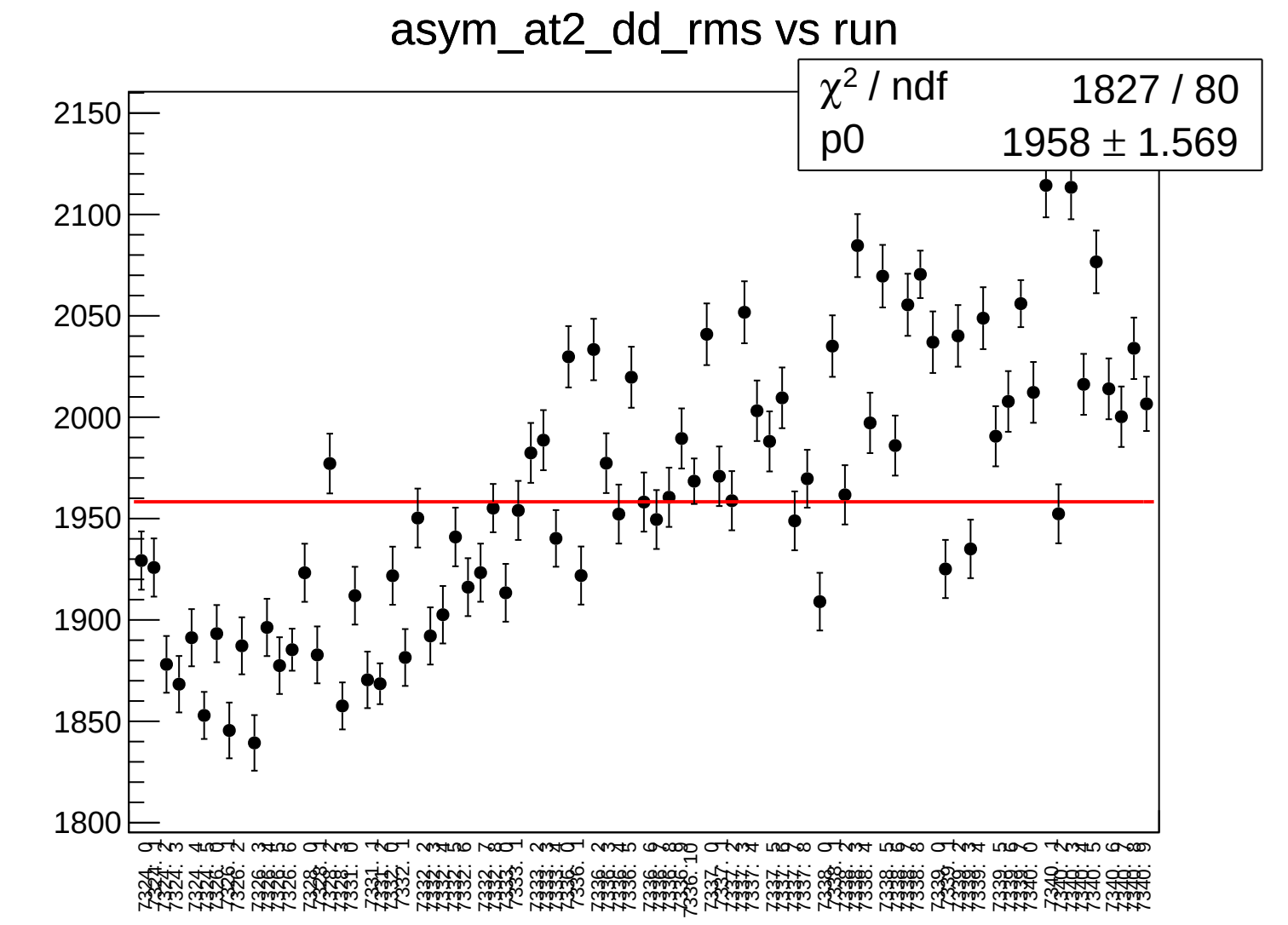

asym_at2_dd_correction_mean vs run
χ² / ndf 104.7 / 80
p0 −4007 ± 3772
×10³
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 2328
Std Dev 2310
2
1
0
−1
−2

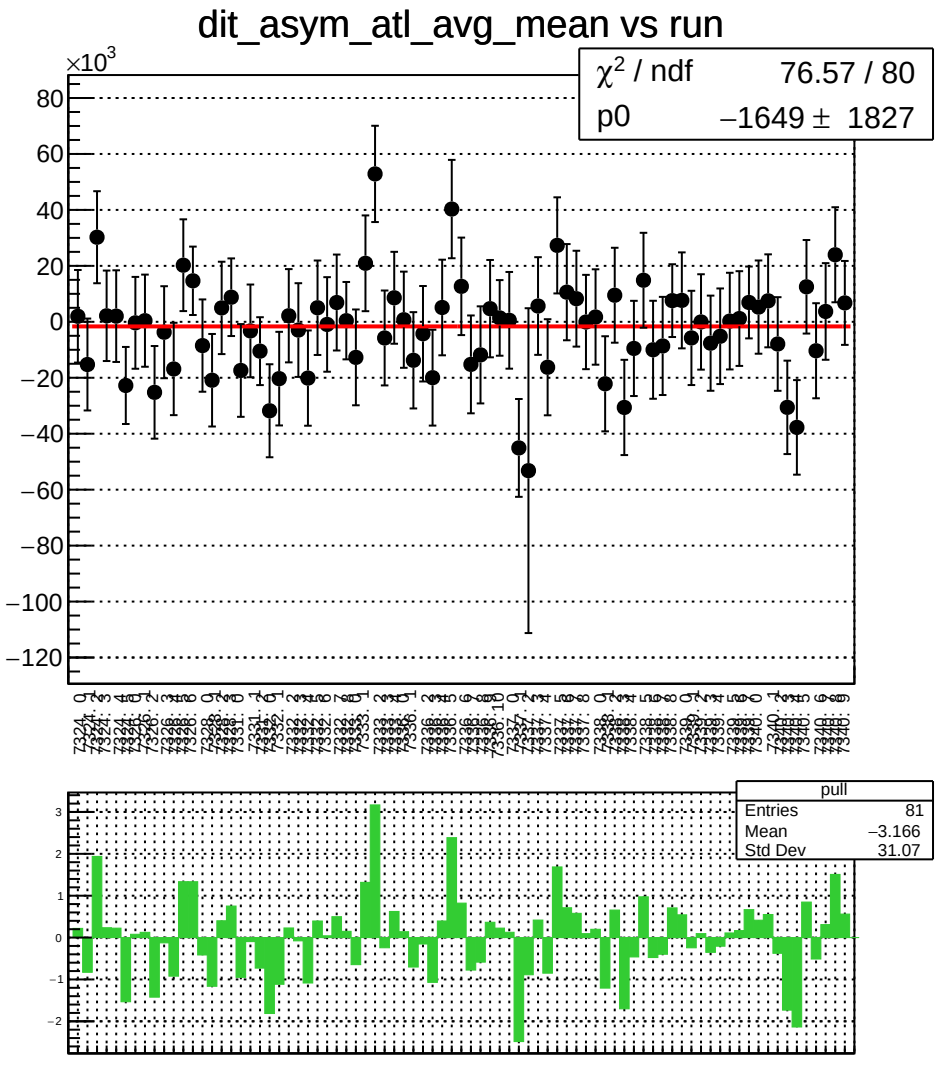

pull1D
Entries 81
Mean 0.0008208
Std Dev 1.137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

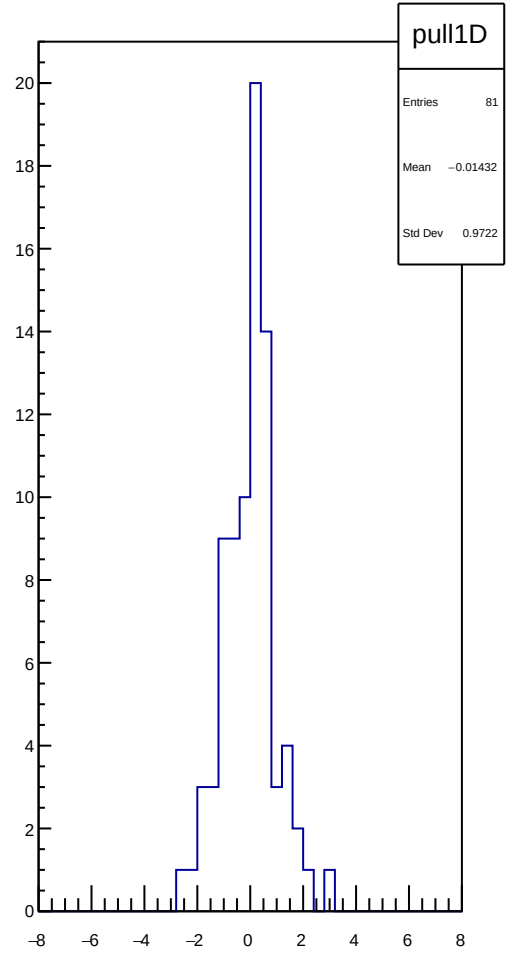

asym_at2_dd_correction_rms vs run
χ² / ndf 512.8 / 80
p0 3331 ± 2.667
3500
3450
3400
3350
3300
3250
3200
3150

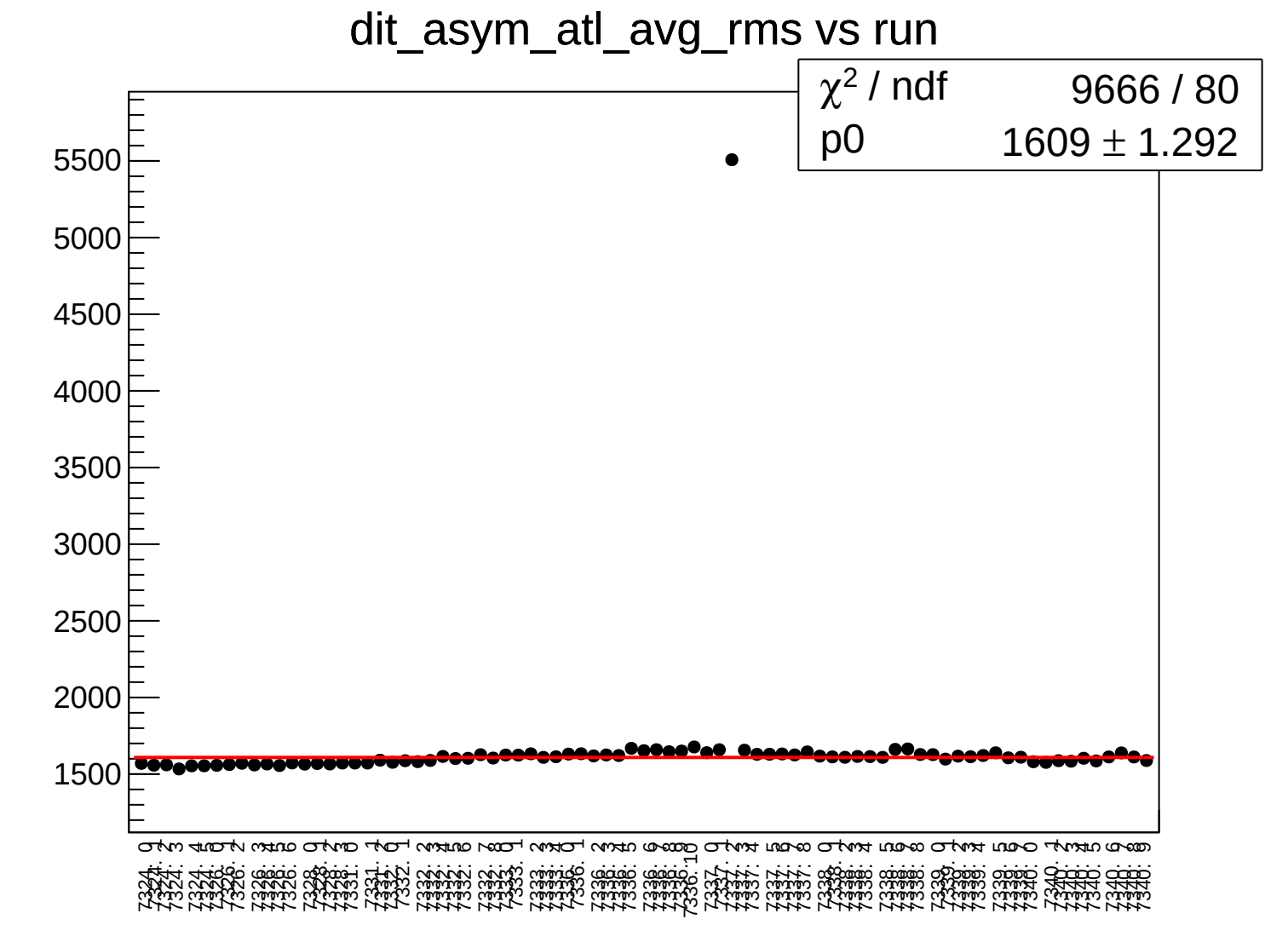

asym_at2_dd_mean vs run
χ² / ndf 95.06 / 80
p0 1816 ± 2219
pull
Entries 81
Mean −8498
Std Dev 8516

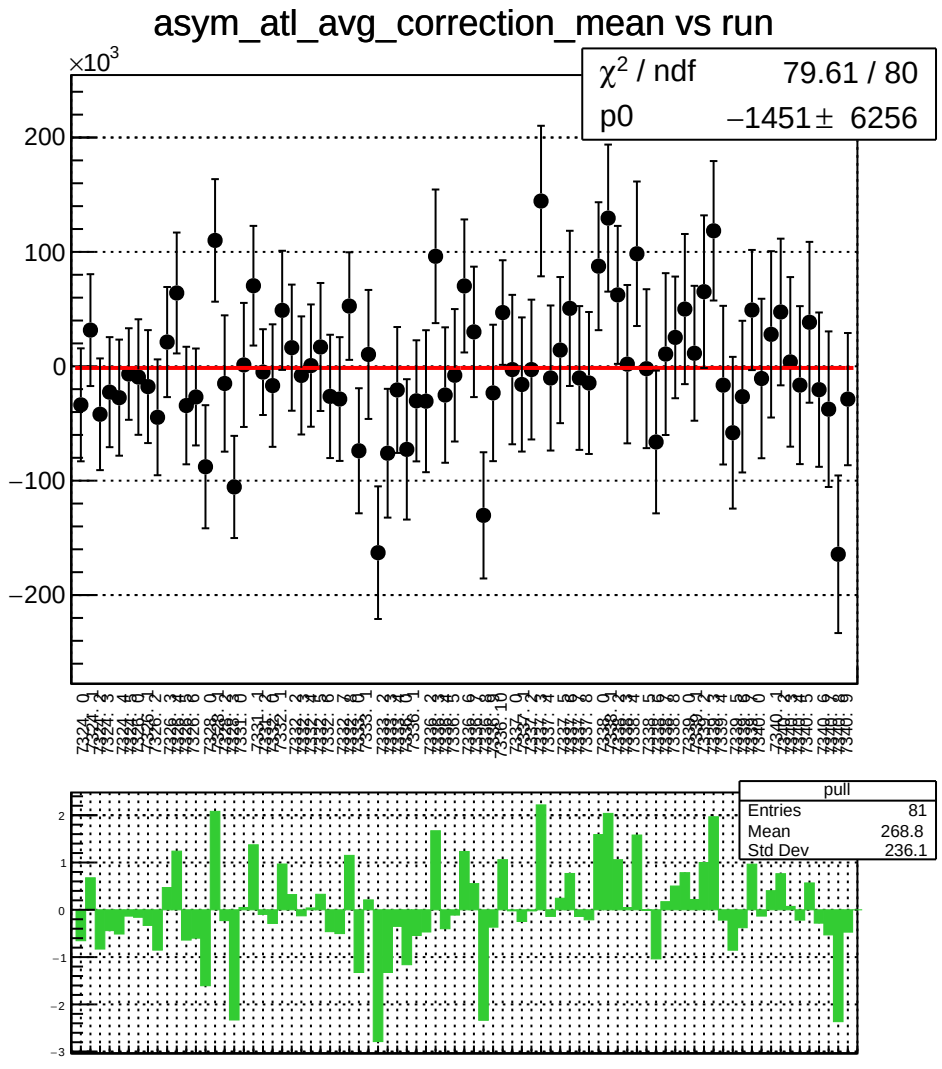

pull1D
Entries 81
Mean 0.0002624
Std Dev 1.083

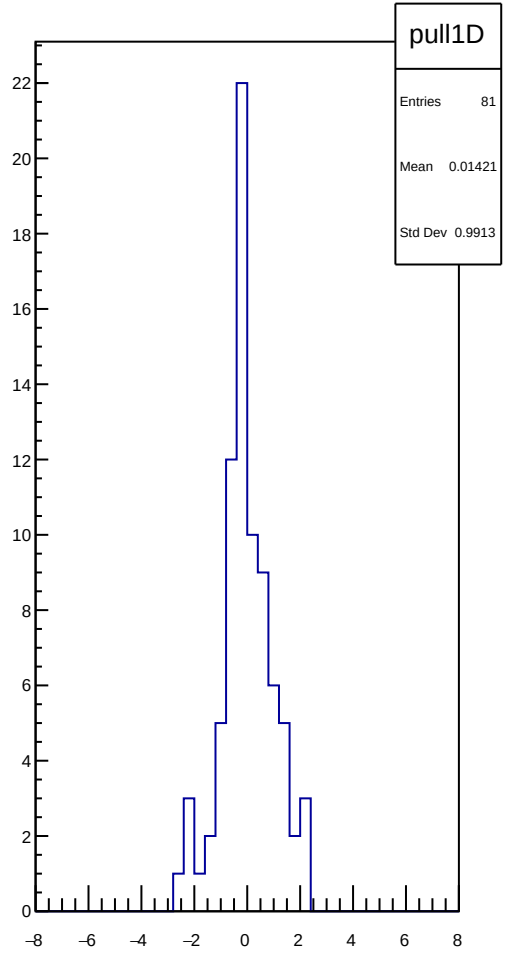

asym_at2_dd_rms vs run
χ² / ndf 1827 / 80
p0 1958 ± 1.569
2150
2100
2050
2000
1950
1900
1850
1800


dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 76.57 / 80
p0 −1649 ± 1827
pull
Entries 81
Mean −3.166
Std Dev 31.07

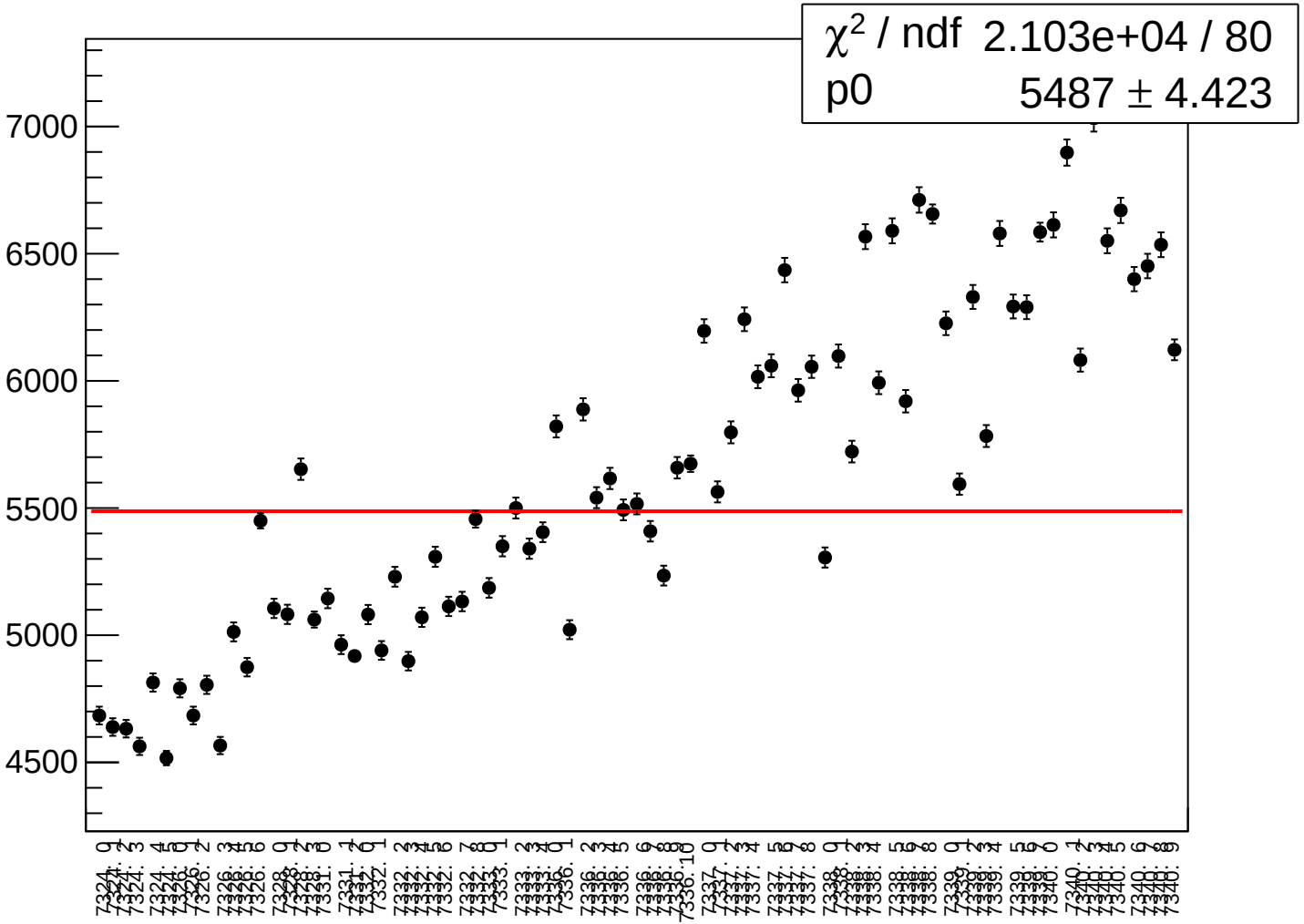

pull1D
Entries 81
Mean −0.01432
Std Dev 0.9722

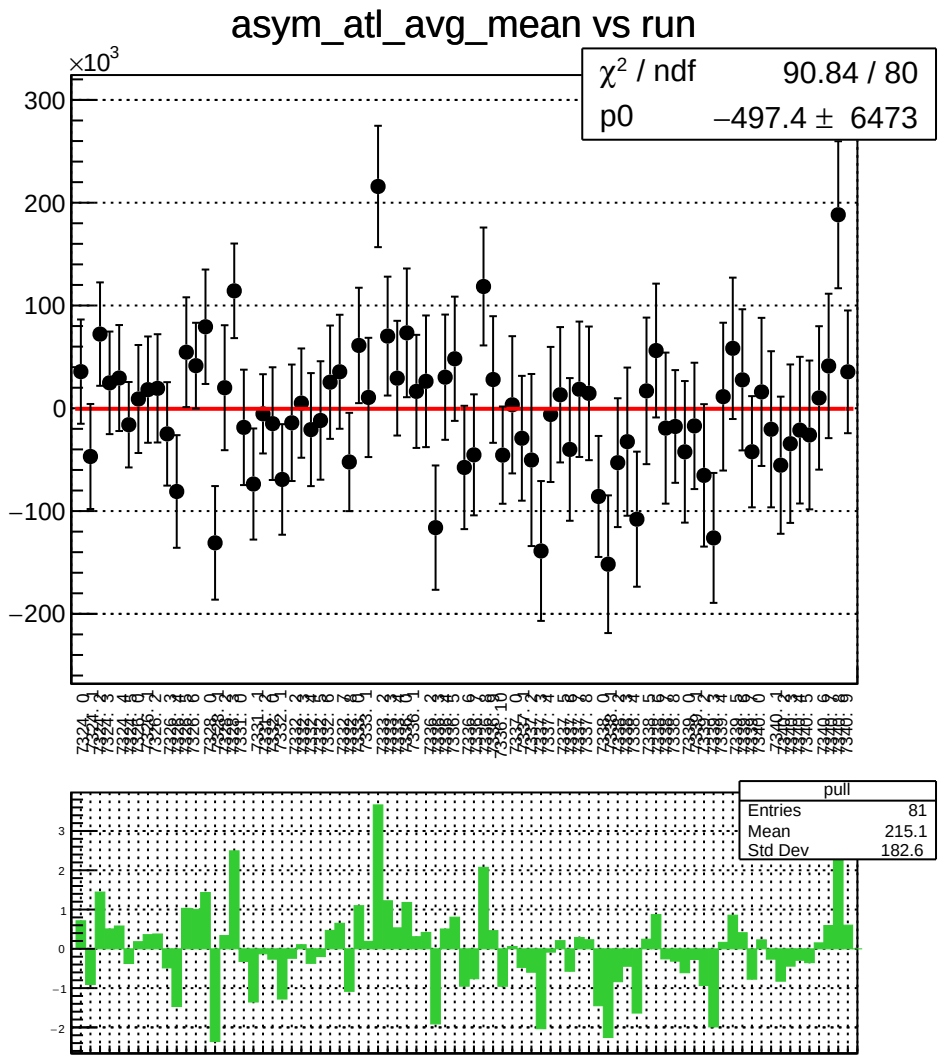

dit_asym_atl_avg_rms vs run
χ^2 / ndf 9666 / 80
p0 1609 ± 1.292
5500
5000
4500
4000
3500
3000
2500
2000
1500

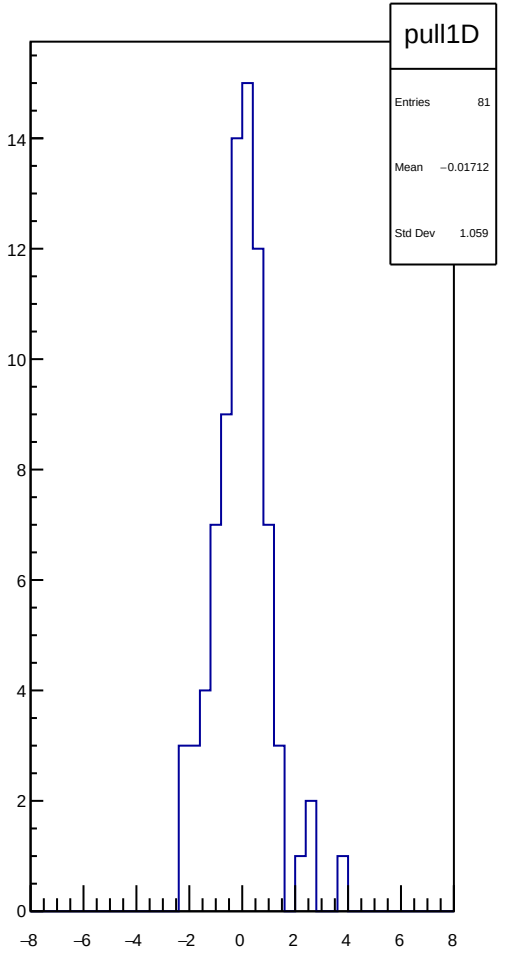

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 79.61 / 80
p0 −1451 ± 6256
200
100
0
−100
−200
pull
Entries 81
Mean 268.8
Std Dev 236.1
2
1
0
−1
−2
−3

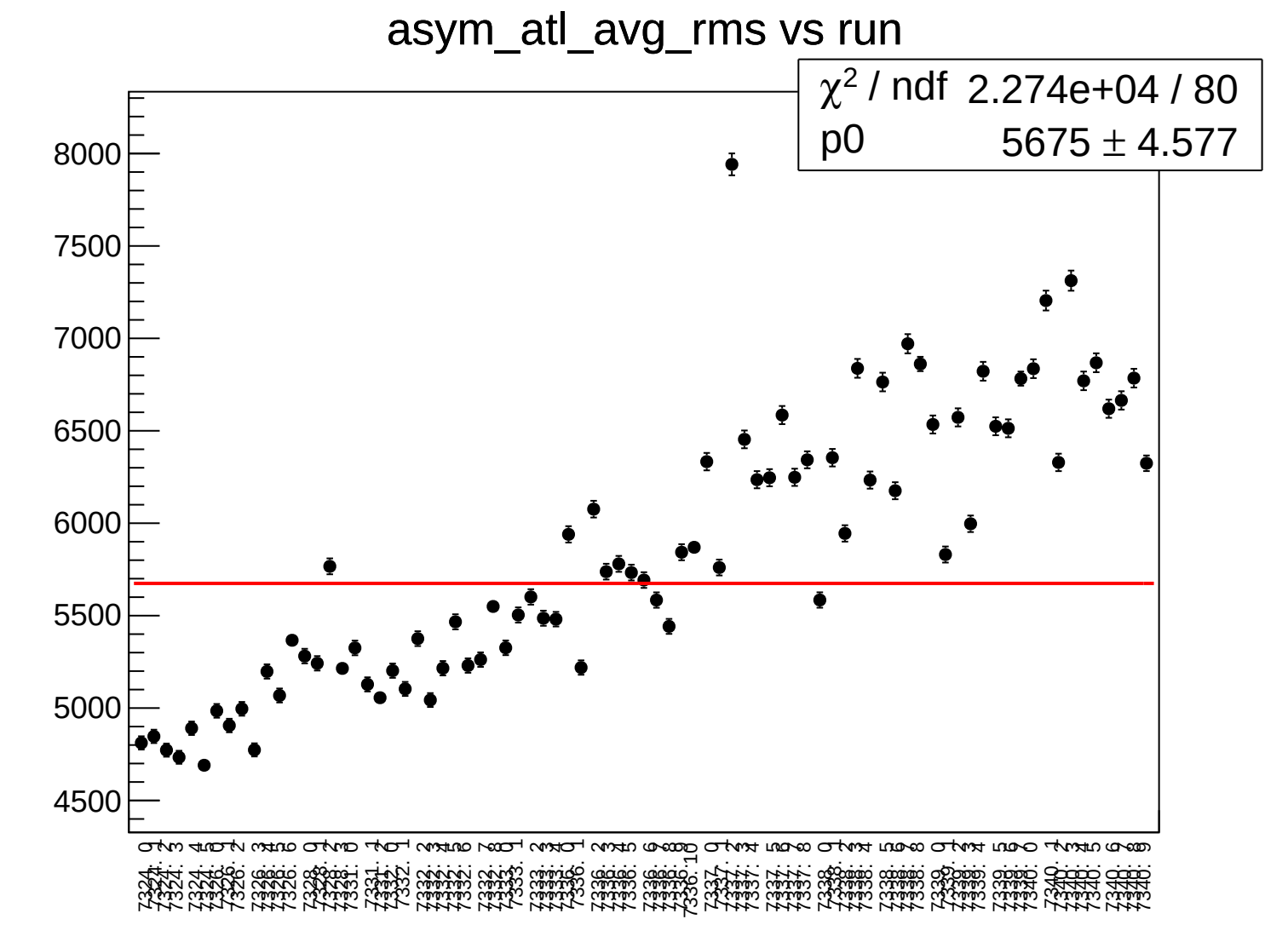

pull1D
Entries 81
Mean 0.01421
Std Dev 0.9913
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

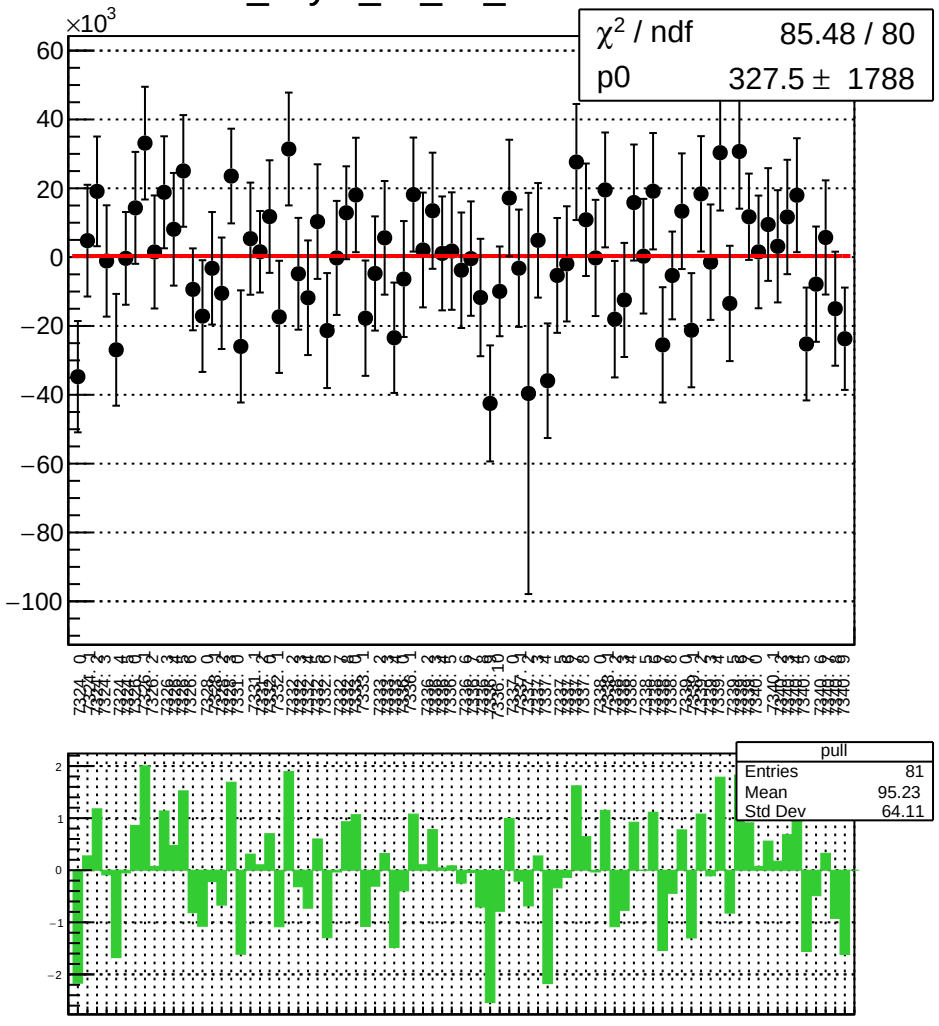
asym_atl_avg_correction_rms vs run

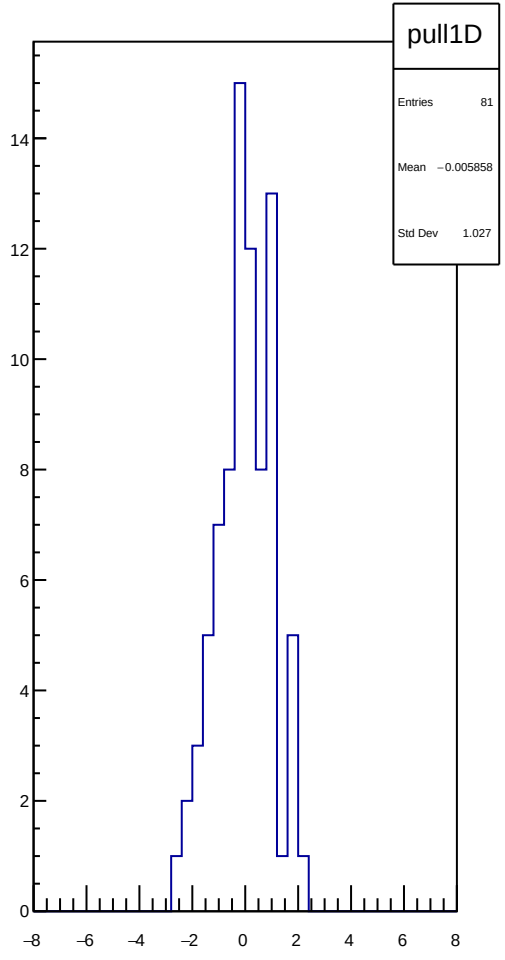


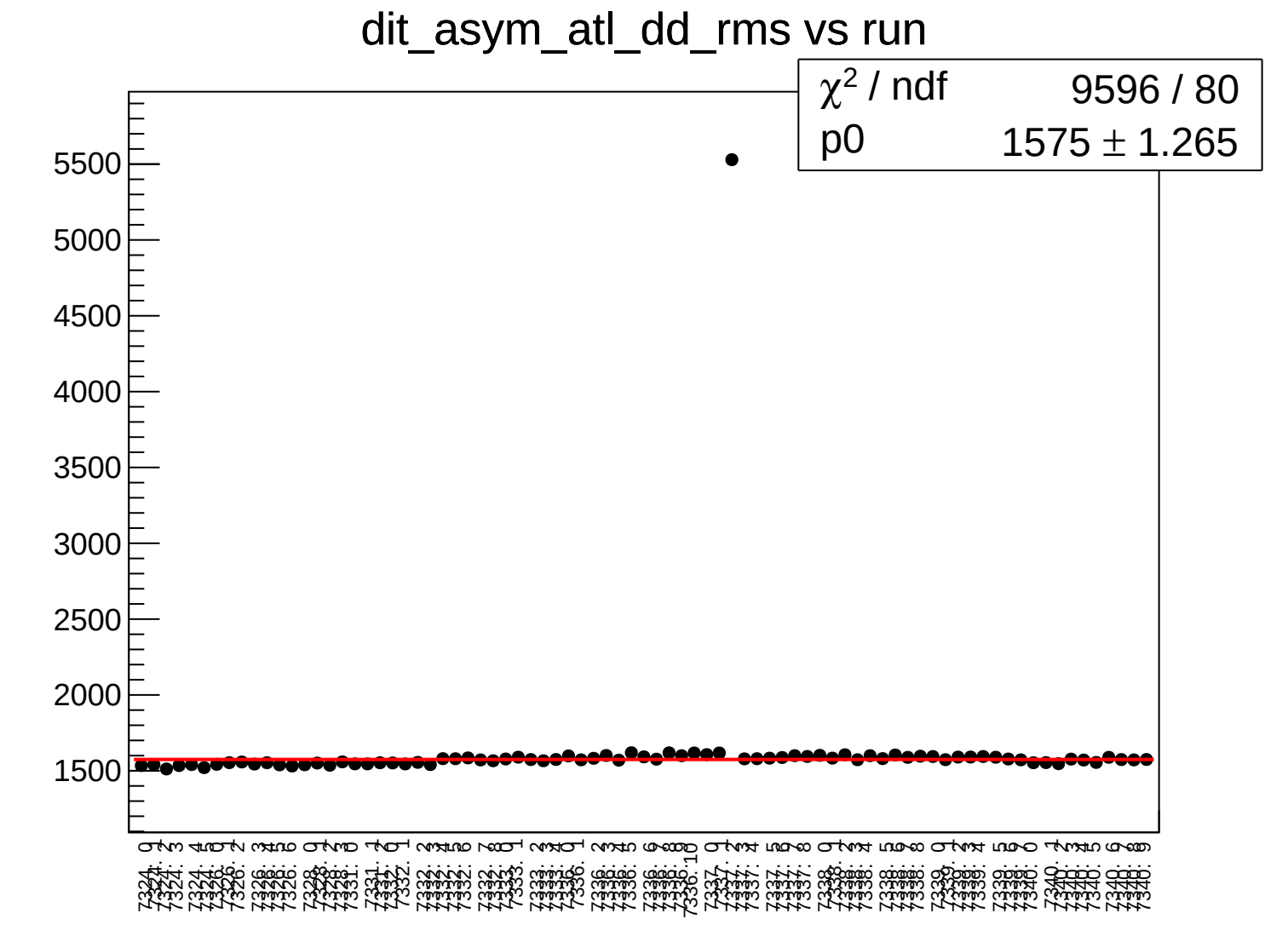

asym_atl_avg_mean vs run
×10^3
χ² / ndf 90.84 / 80
p0 −497.4 ± 6473
pull
Entries 81
Mean 215.1
Std Dev 182.6

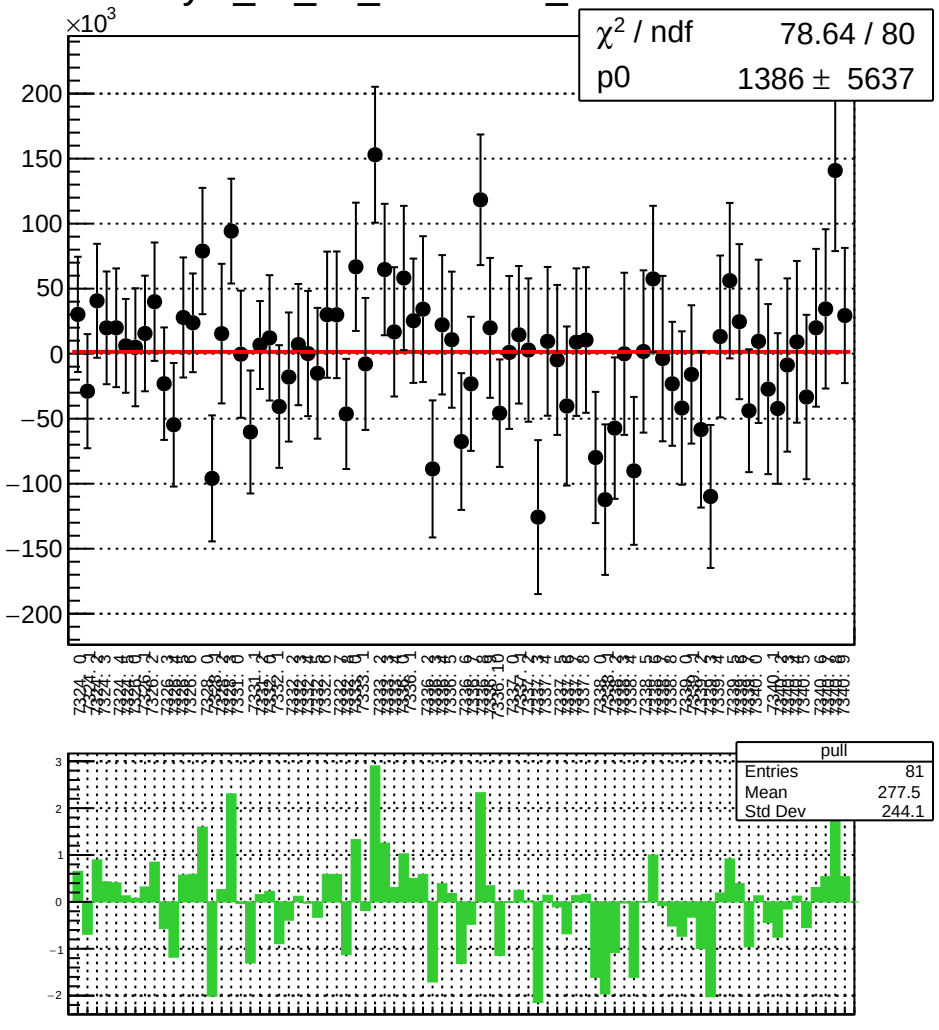

pull1D
Entries 81
Mean −0.01712
Std Dev 1.059

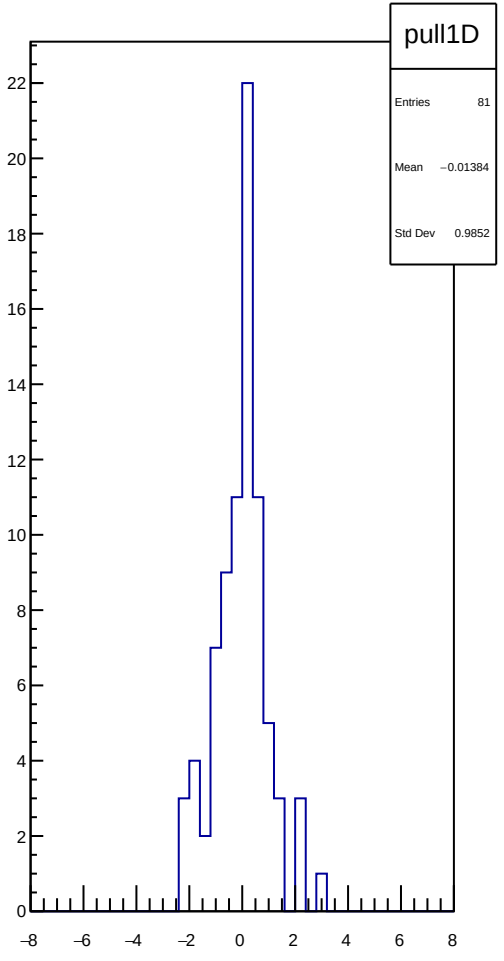

asym_atl_avg_rms vs run
χ² / ndf 2.274e+04 / 80
p0 5675 ± 4.577
8000
7500
7000
6500
6000
5500
5000
4500

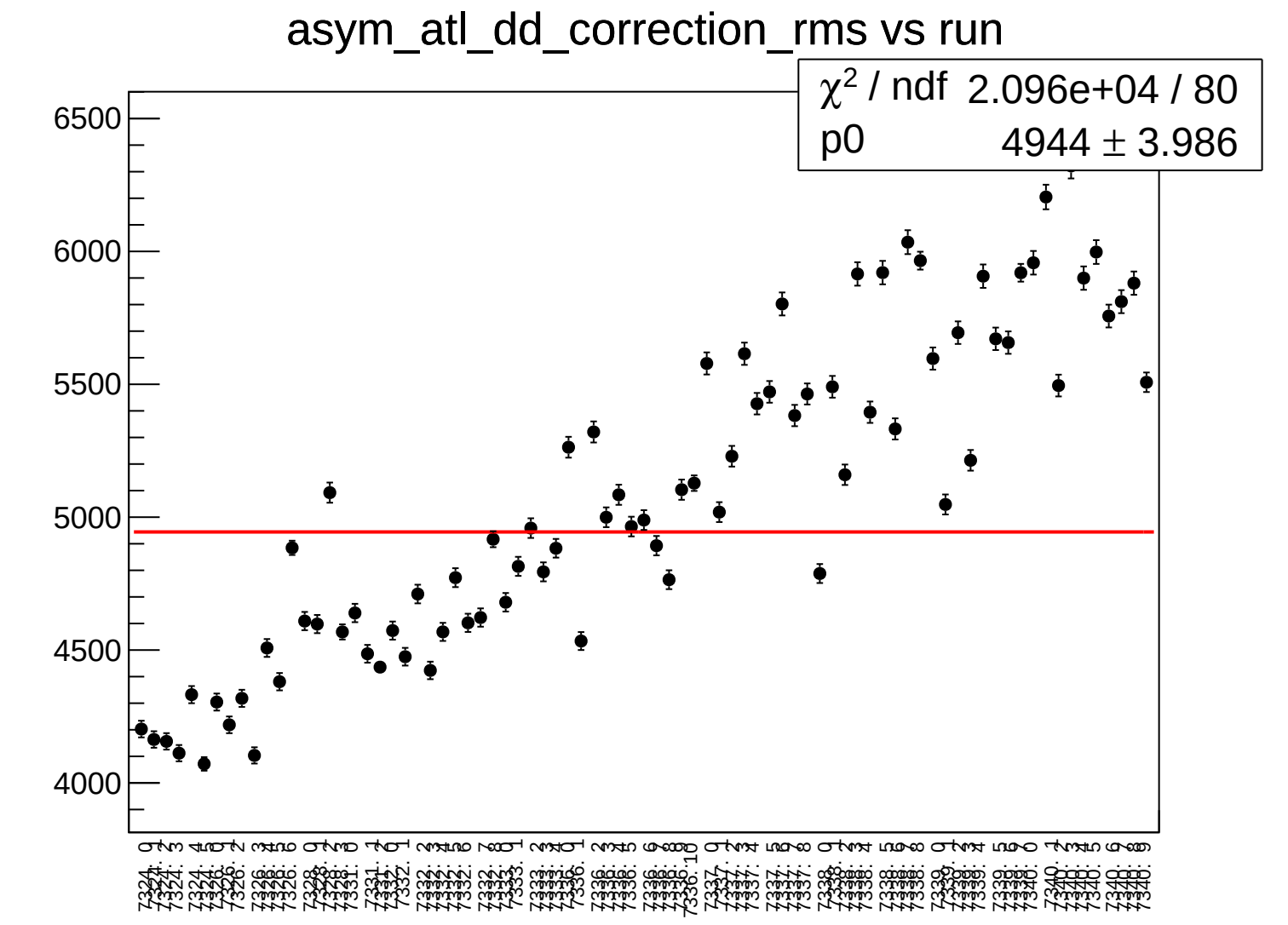

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 85.48 / 80
p0 327.5 ± 1788
pull
Entries 81
Mean 95.23
Std Dev 64.11

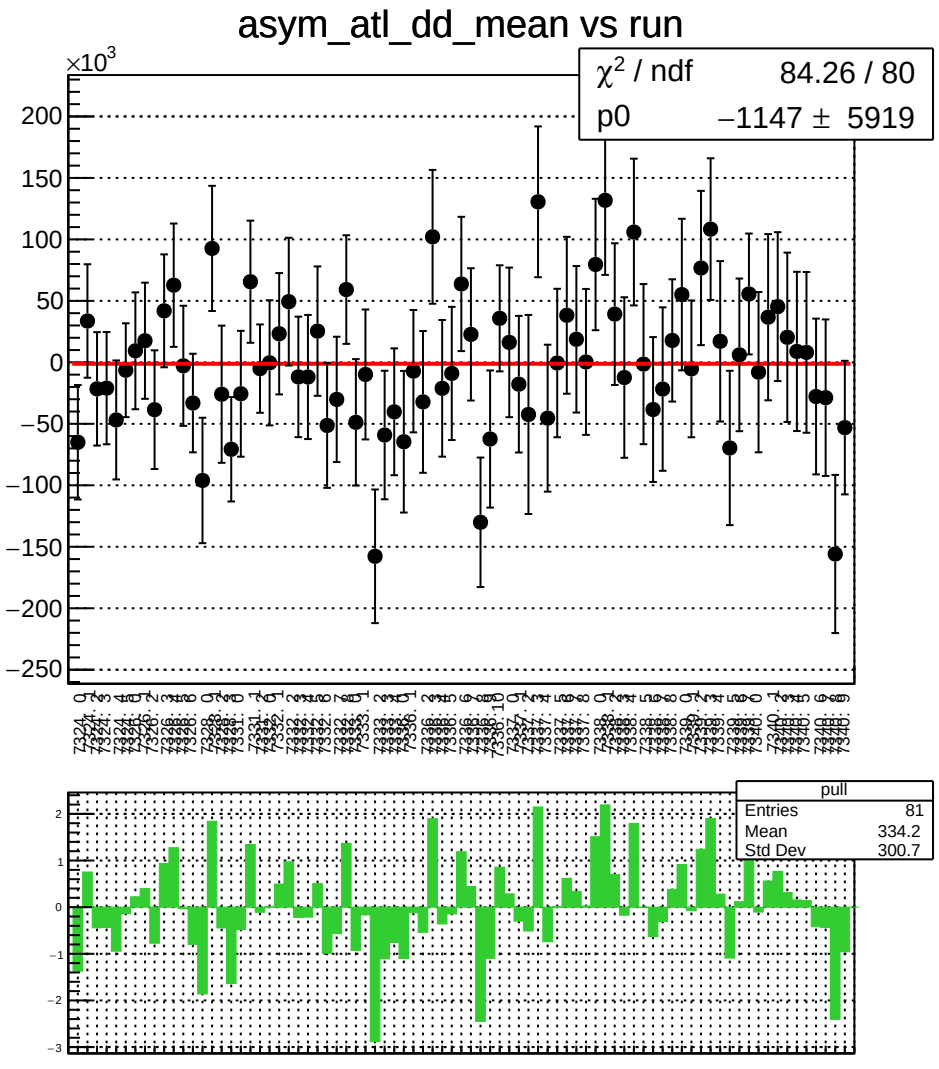

pull1D
Entries 81
Mean −0.005858
Std Dev 1.027

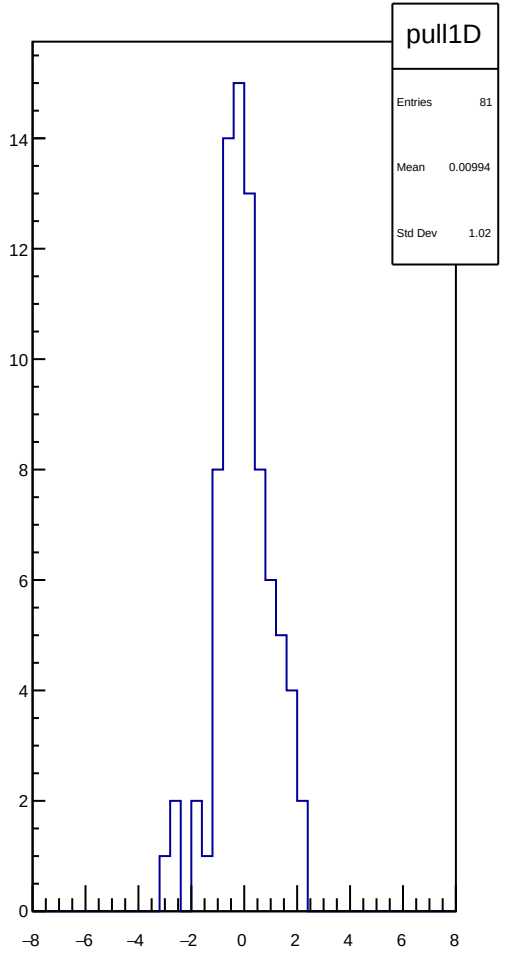

dit_asym_atl_dd_rms vs run
χ^2 / ndf 9596 / 80
p0 1575 ± 1.265
5500
5000
4500
4000
3500
3000
2500
2000
1500

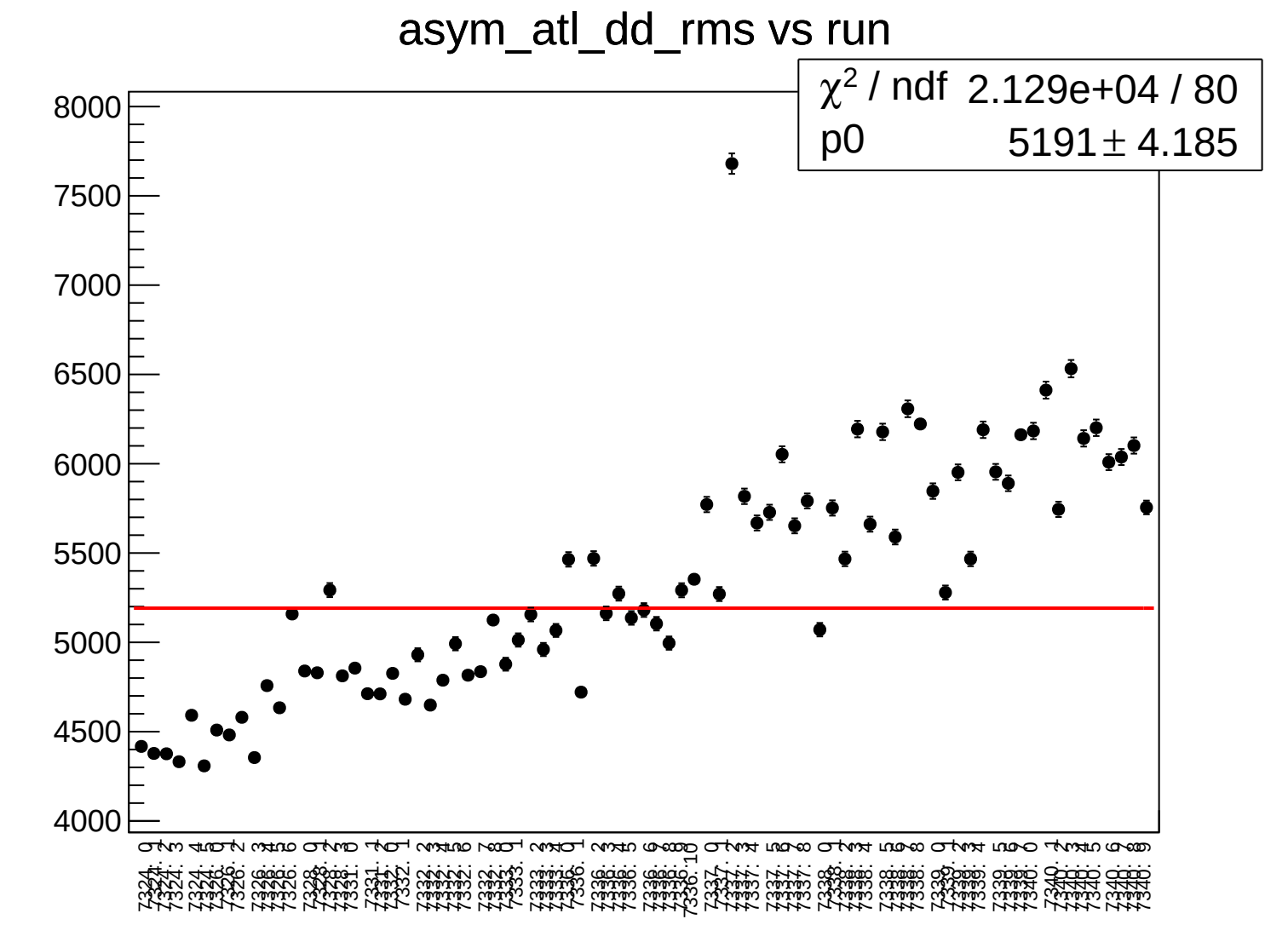

asym_atl_dd_correction_mean vs run
χ² / ndf 78.64 / 80
p0 1386 ± 5637
pull
Entries 81
Mean 277.5
Std Dev 244.1

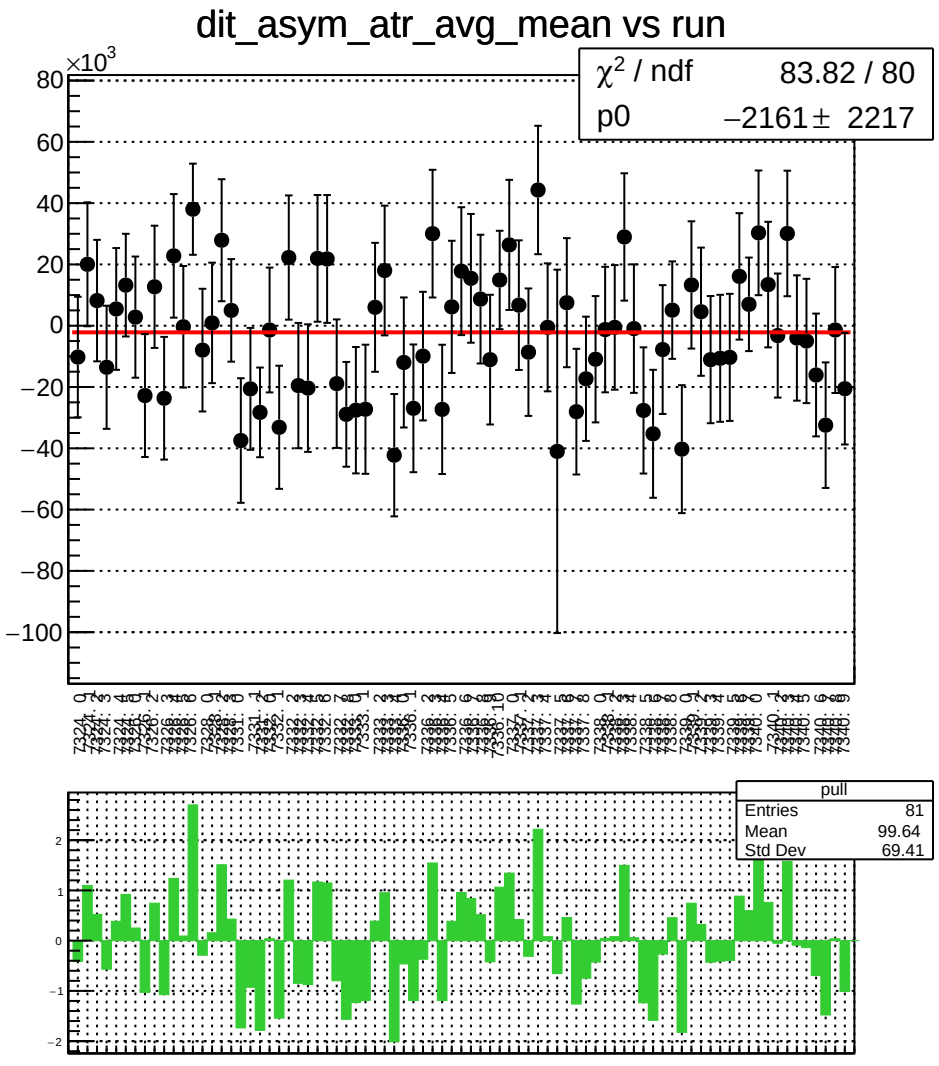

pull1D
Entries 81
Mean −0.01384
Std Dev 0.9852

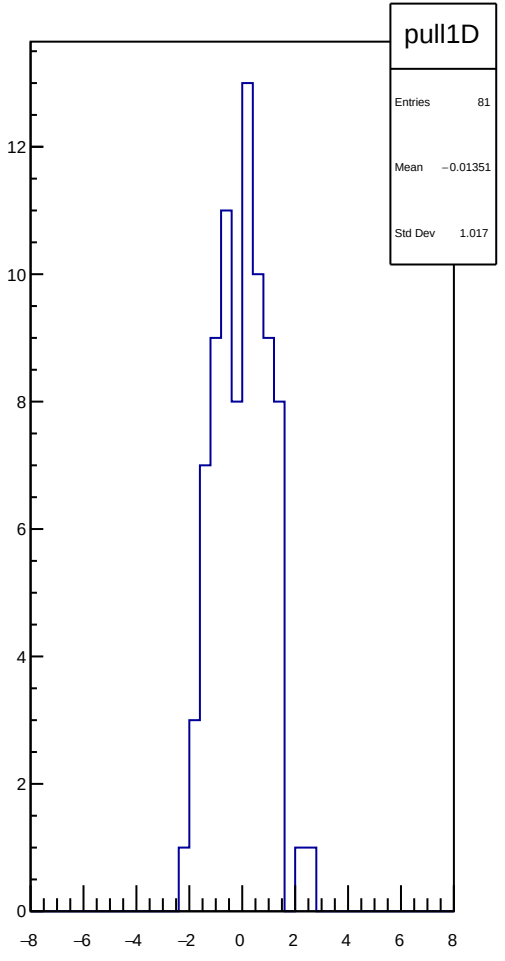

asym_atl_dd_correction_rms vs run
χ² / ndf 2.096e+04 / 80
p0 4944 ± 3.986
6500
6000
5500
5000
4500
4000

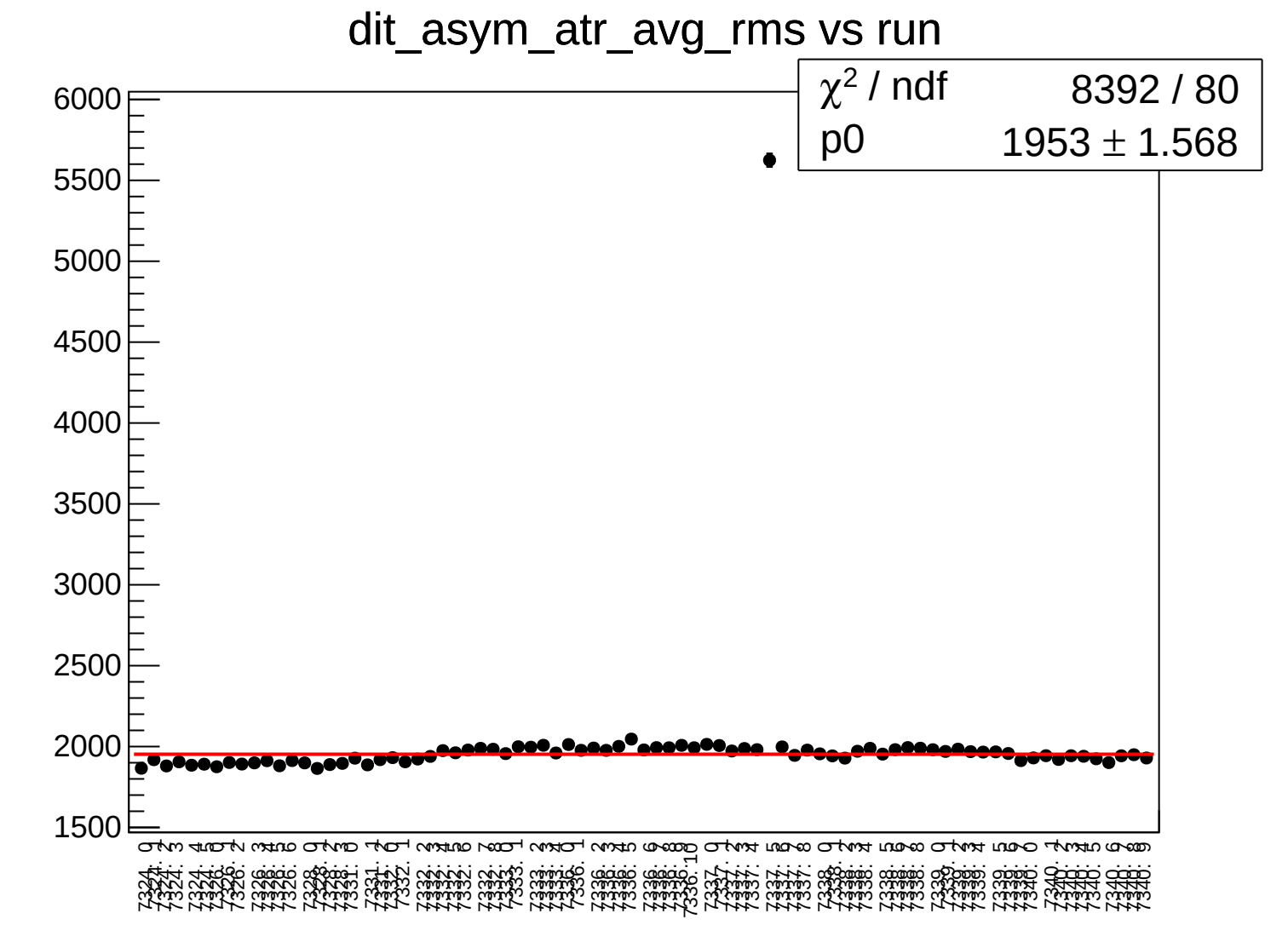

asym_atl_dd_mean vs run
×10^3
χ² / ndf 84.26 / 80
p0 −1147 ± 5919
pull
Entries 81
Mean 334.2
Std Dev 300.7

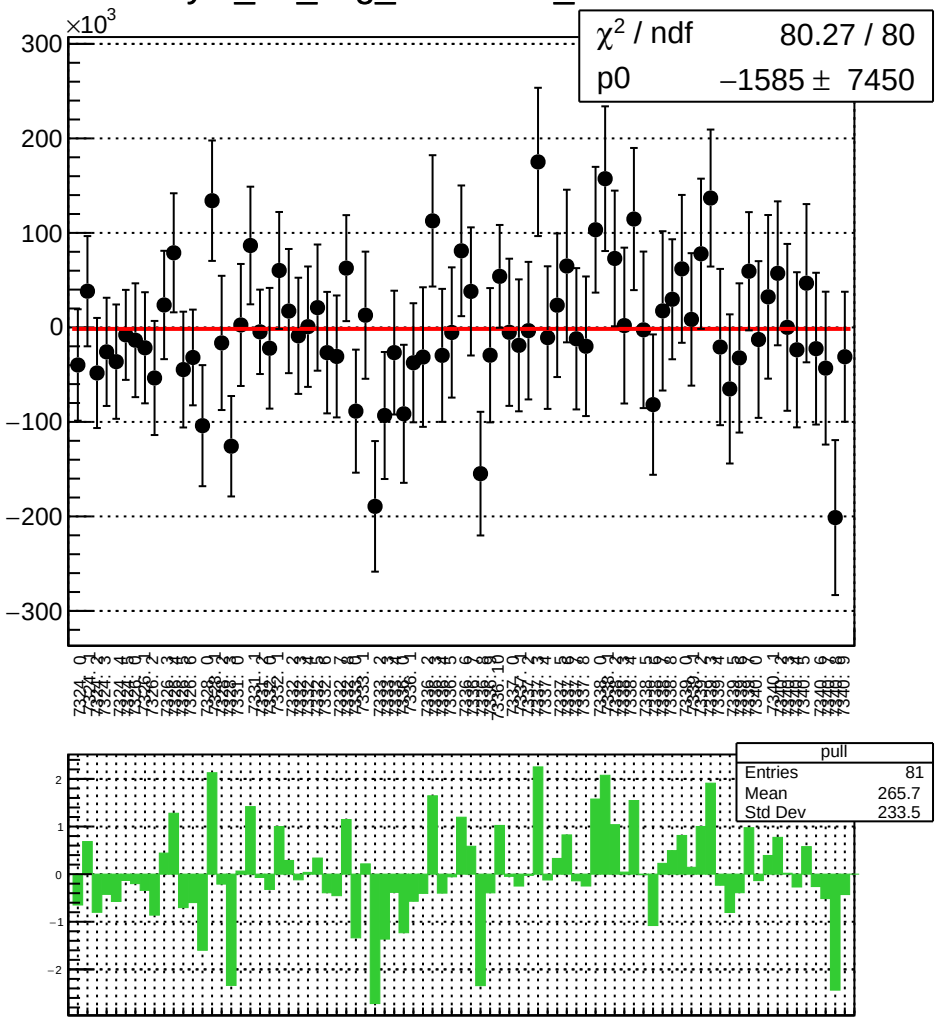

pull1D
Entries 81
Mean 0.00994
Std Dev 1.02

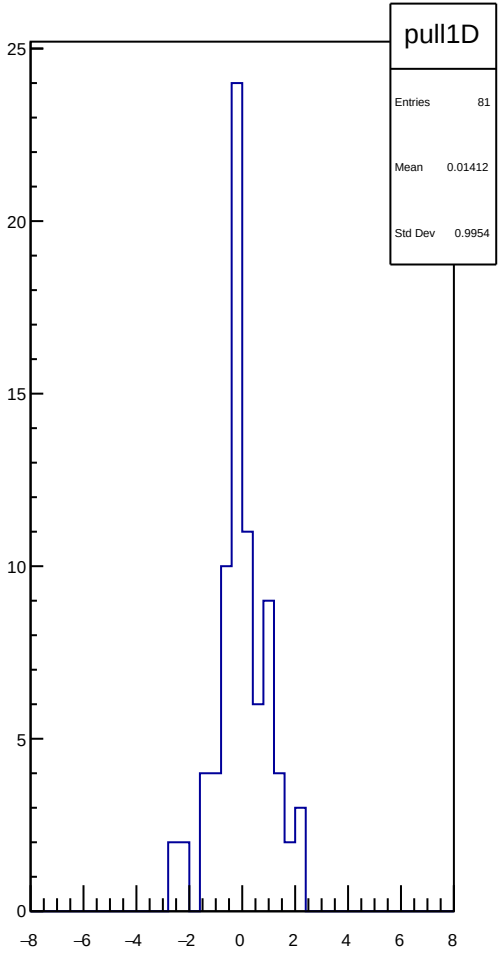

asym_atl_dd_rms vs run
χ² / ndf 2.129e+04 / 80
p0 5191 ± 4.185
8000
7500
7000
6500
6000
5500
5000
4500
4000

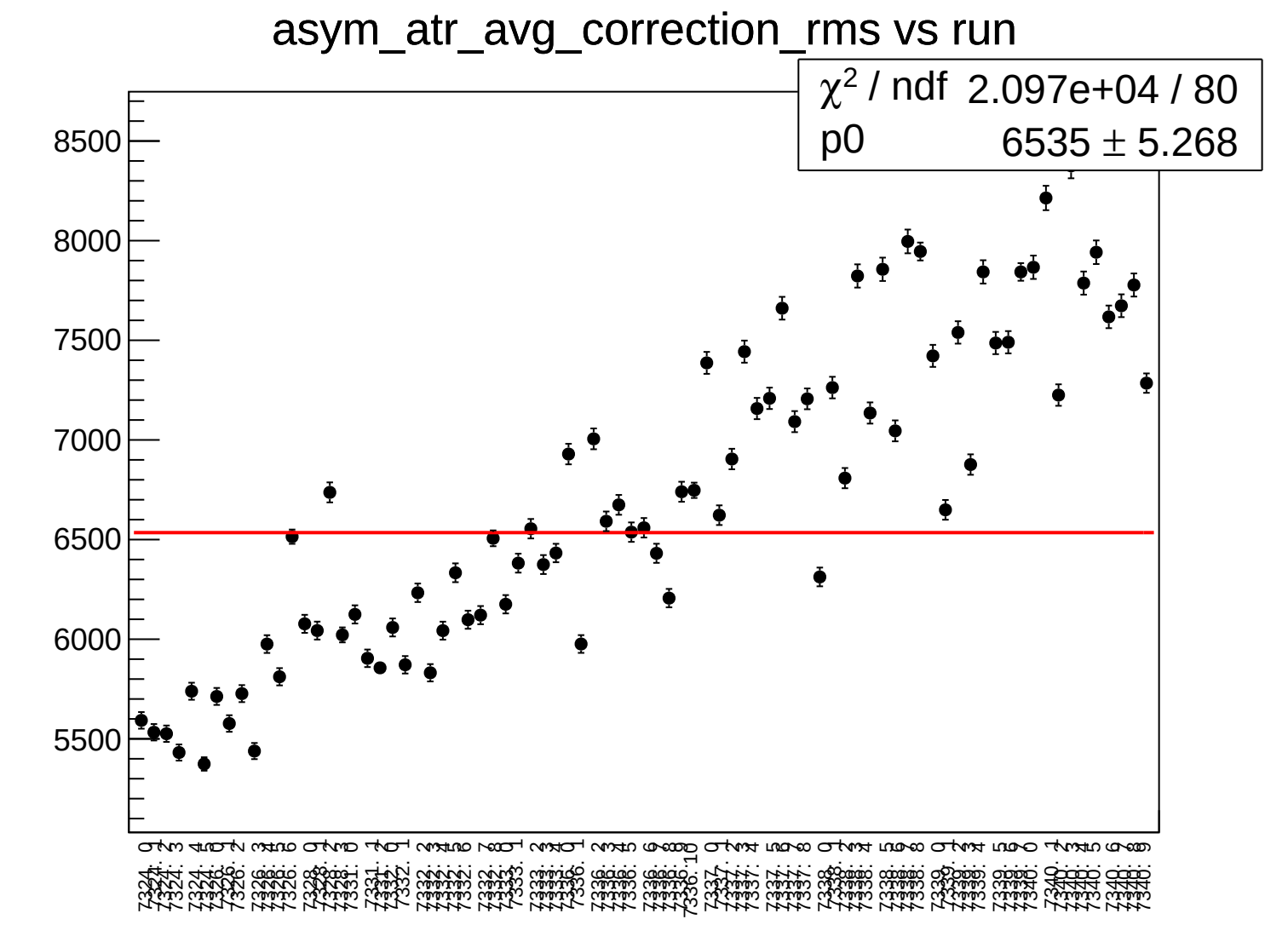

dit_asym_atr_avg_mean vs run
χ² / ndf 83.82 / 80
p0 −2161 ± 2217
×10³
pull
Entries 81
Mean 99.64
Std Dev 69.41

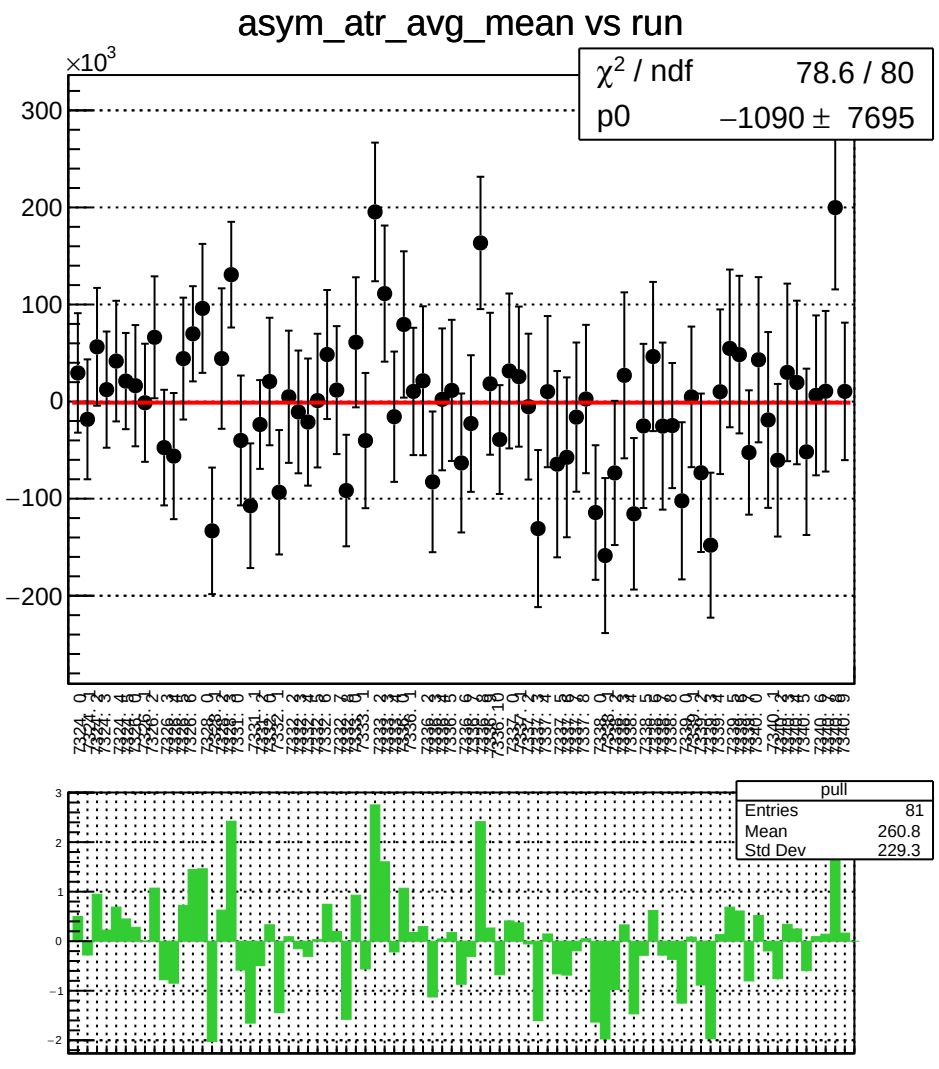

pull1D
Entries 81
Mean −0.01351
Std Dev 1.017

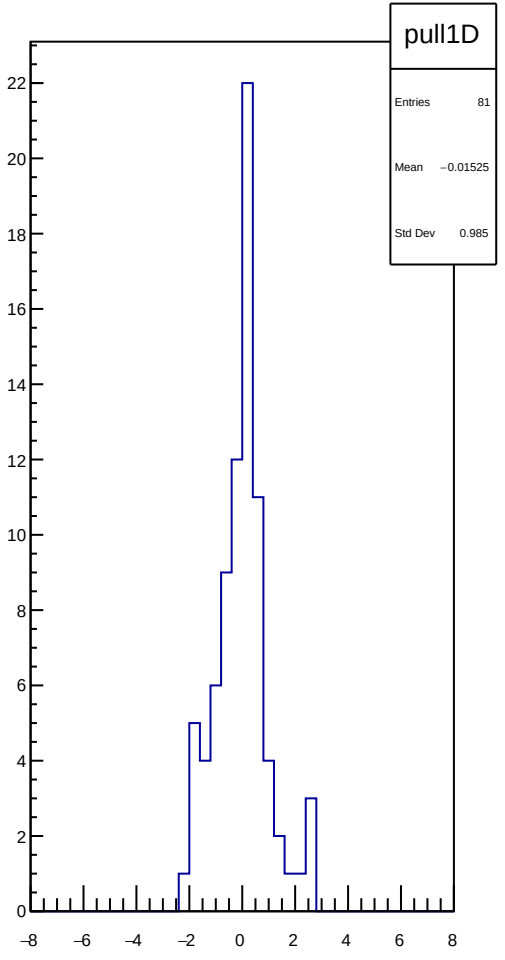

dit_asym_atr_avg_rms vs run
χ² / ndf 8392 / 80
p0 1953 ± 1.568
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

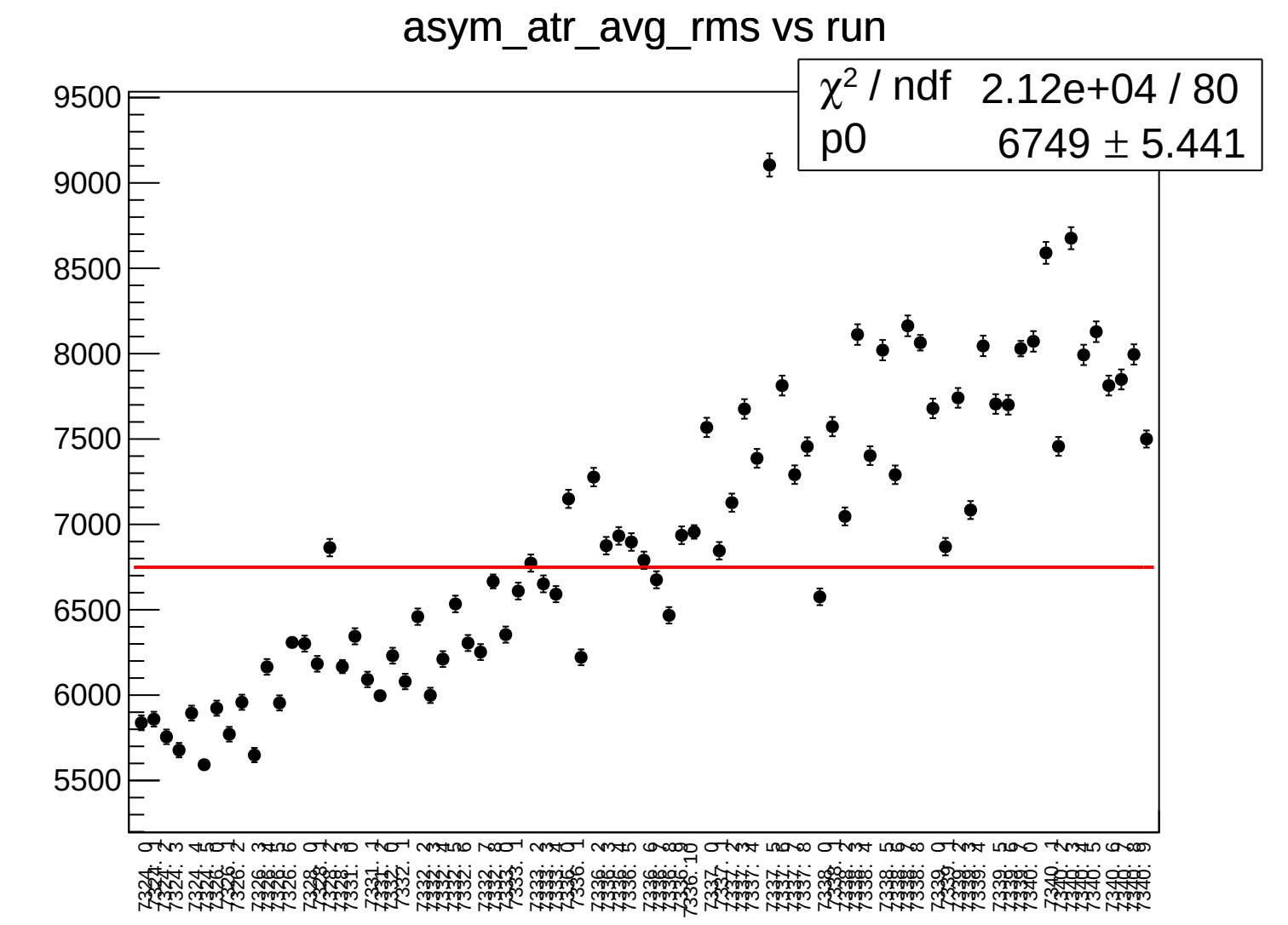

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 80.27 / 80
p0 −1585 ± 7450
pull
Entries 81
Mean 265.7
Std Dev 233.5

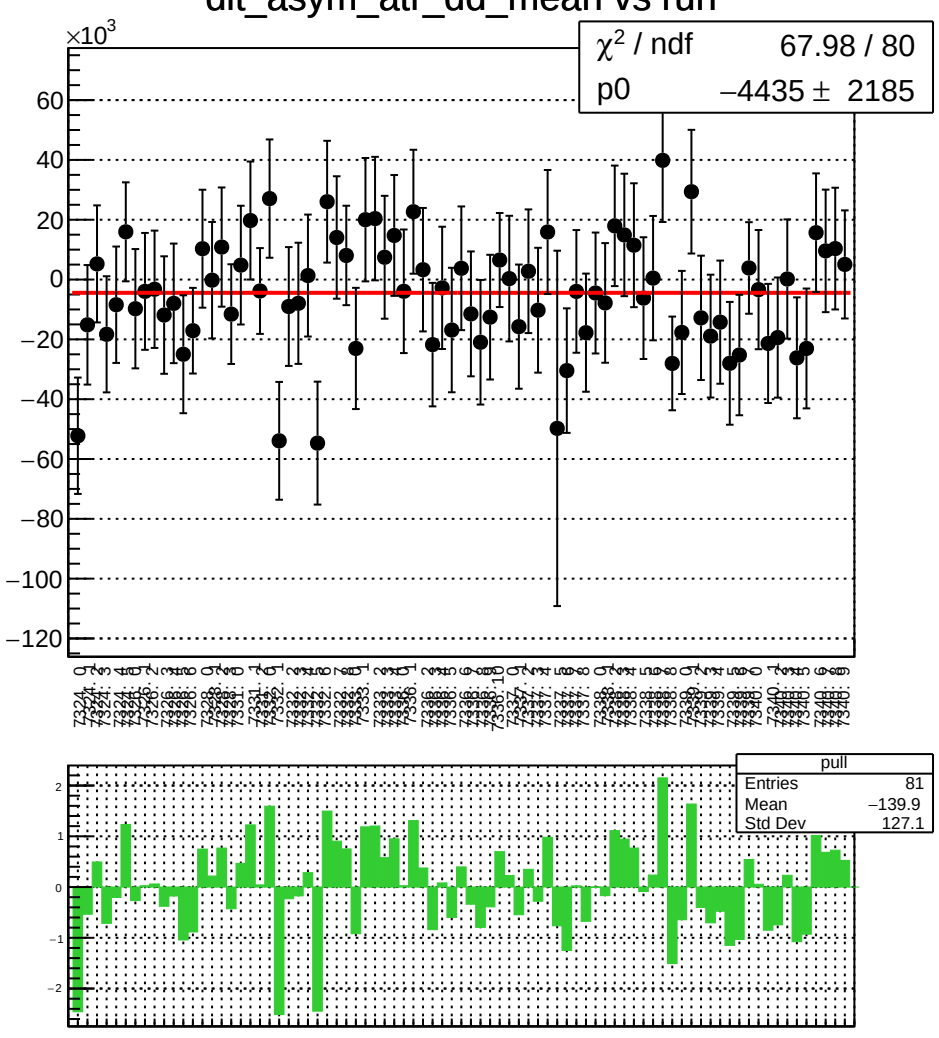

pull1D
Entries 81
Mean 0.01412
Std Dev 0.9954

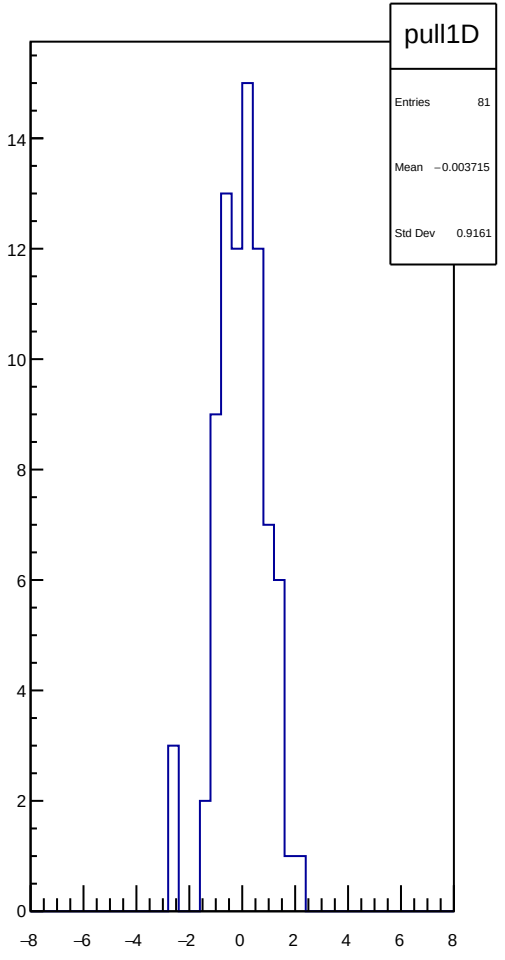

asym_atr_avg_correction_rms vs run
χ² / ndf 2.097e+04 / 80
p0 6535 ± 5.268
8500
8000
7500
7000
6500
6000
5500

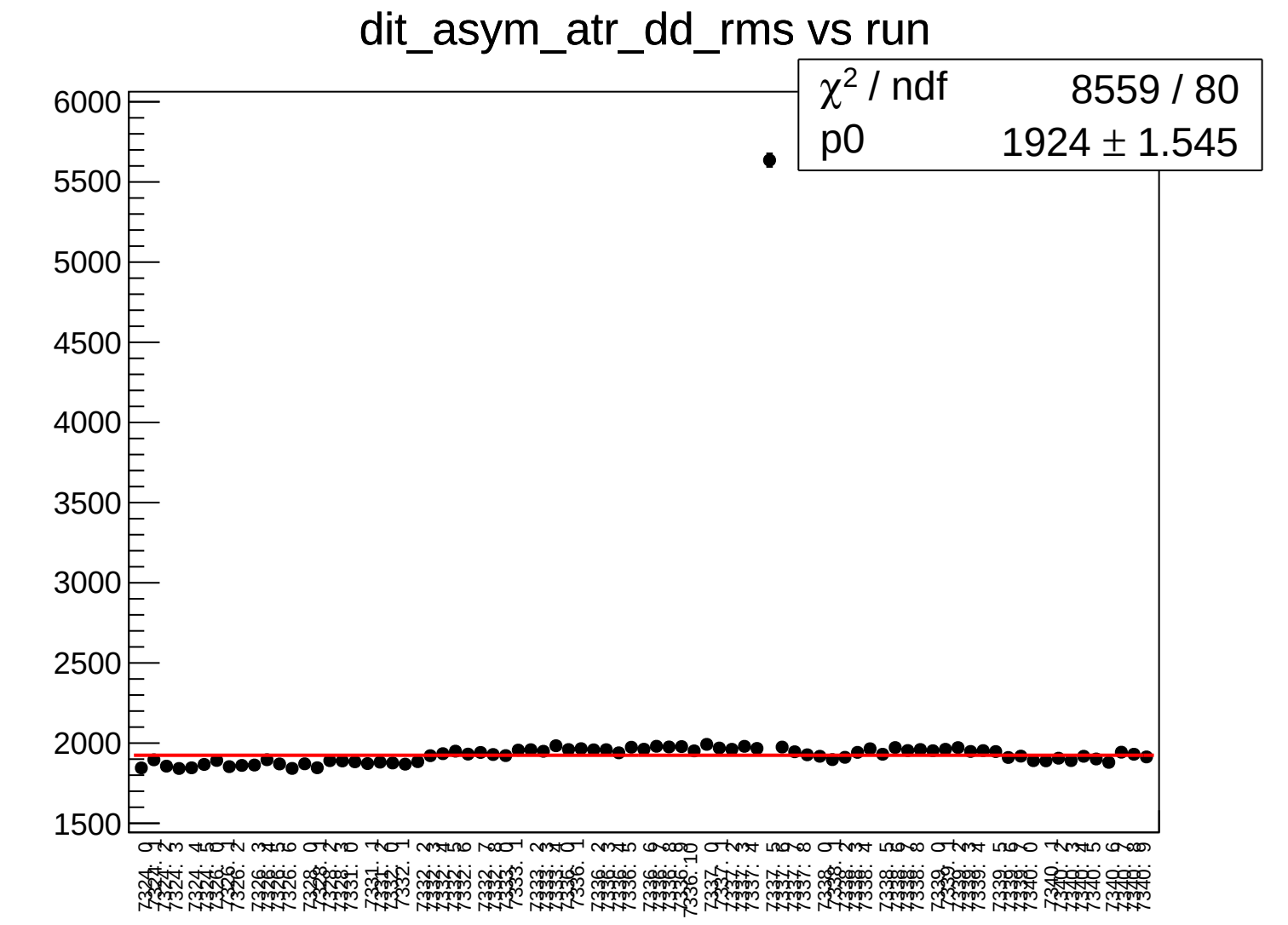

asym_atr_avg_mean vs run
×10^3
χ² / ndf 78.6 / 80
p0 −1090 ± 7695
300
200
100
0
−100
−200
pull
Entries 81
Mean 260.8
Std Dev 229.3
3
2
1
0
−1
−2

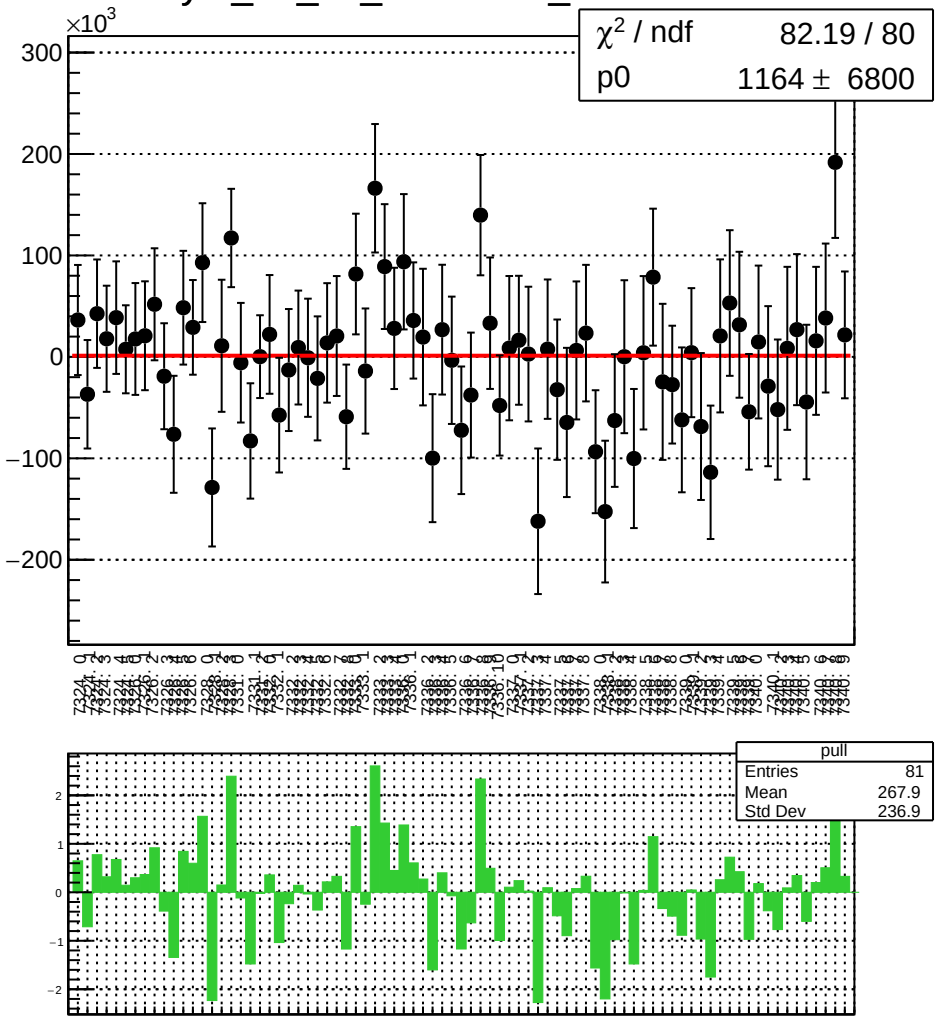

pull1D
Entries 81
Mean −0.01525
Std Dev 0.985
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

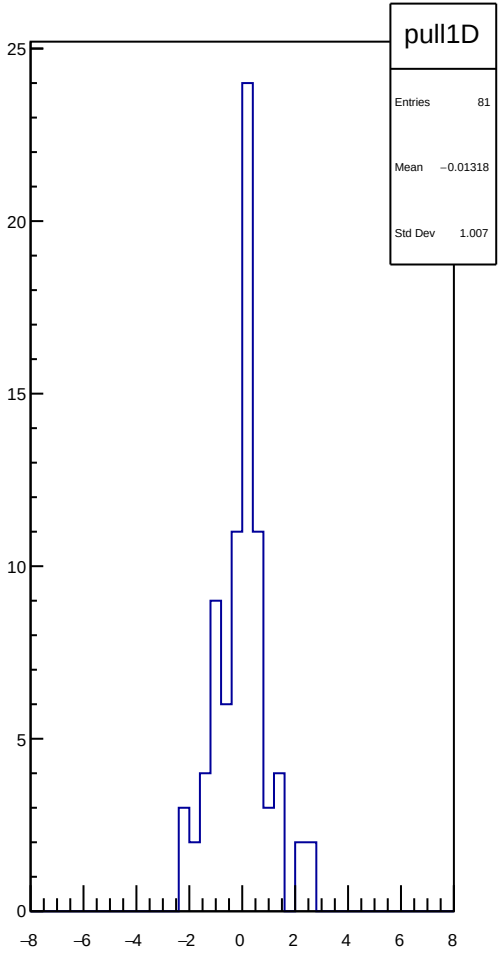

asym_atr_avg_rms vs run
χ^2 / ndf 2.12e+04 / 80
p0 6749 ± 5.441
9500
9000
8500
8000
7500
7000
6500
6000
5500

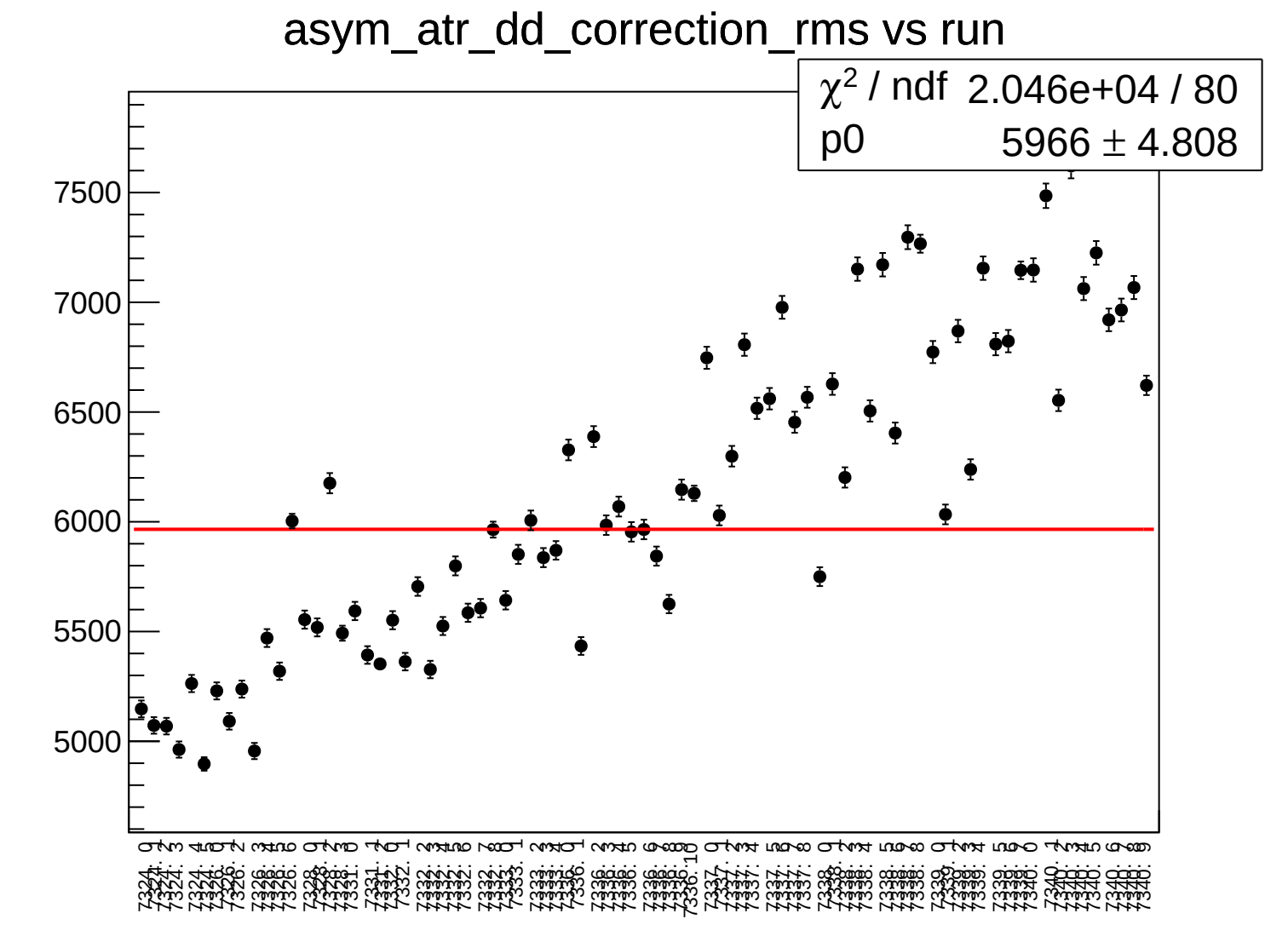

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 67.98 / 80
p0 −4435 ± 2185
pull
Entries 81
Mean −139.9
Std Dev 127.1

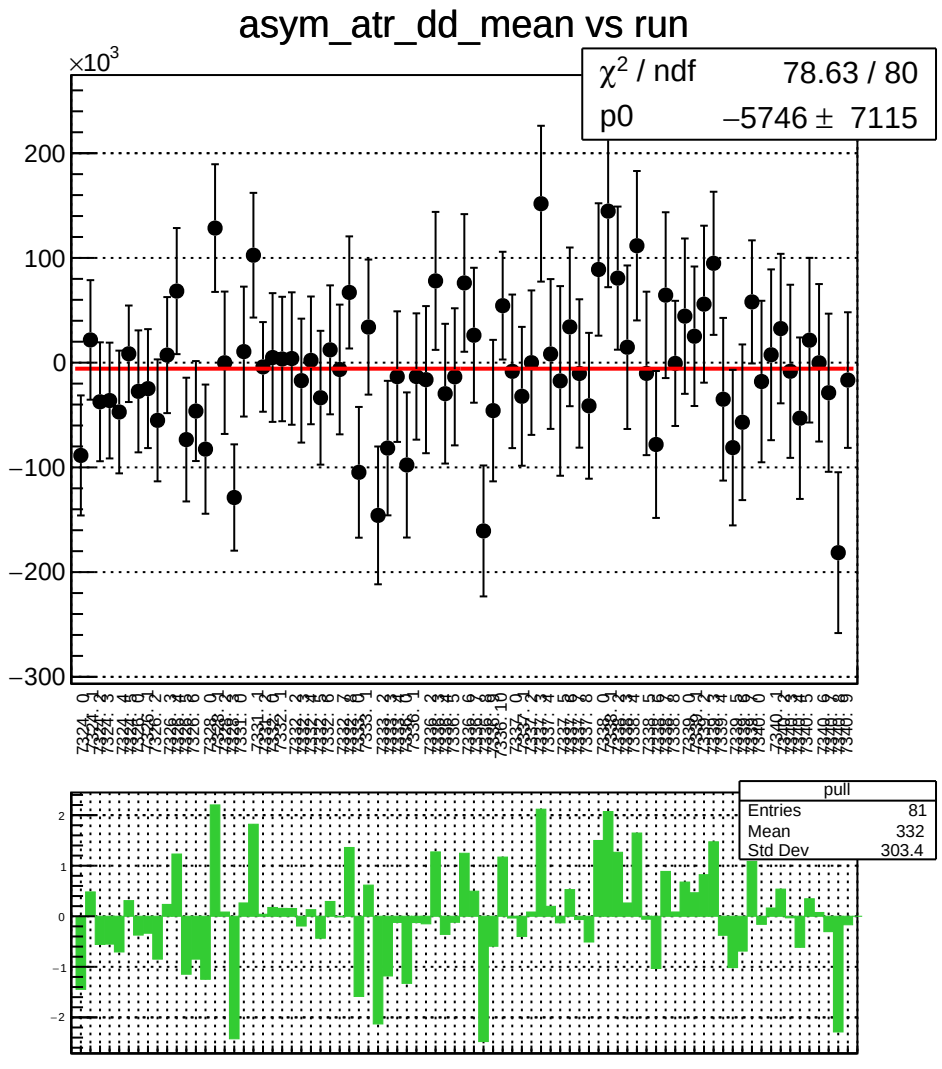

pull1D
Entries 81
Mean −0.003715
Std Dev 0.9161

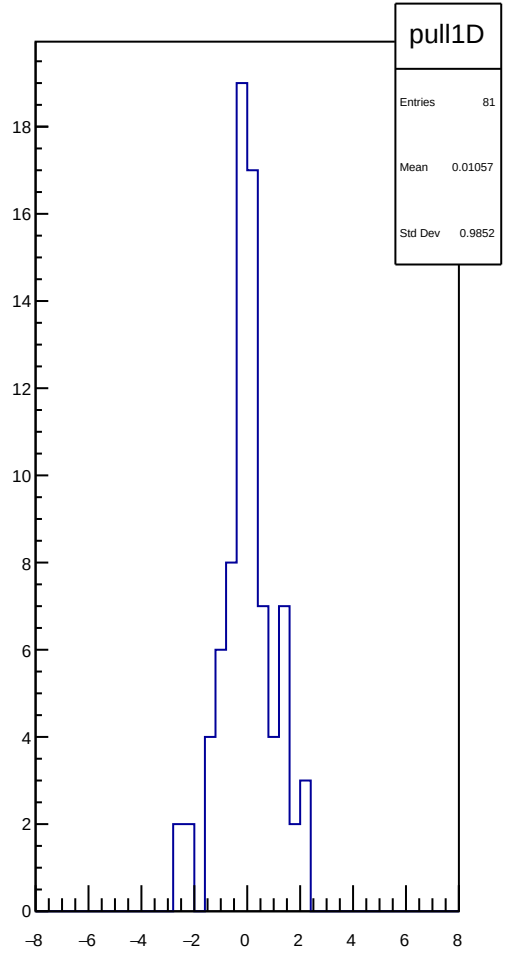

dit_asym_atr_dd_rms vs run
χ² / ndf 8559 / 80
p0 1924 ± 1.545
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

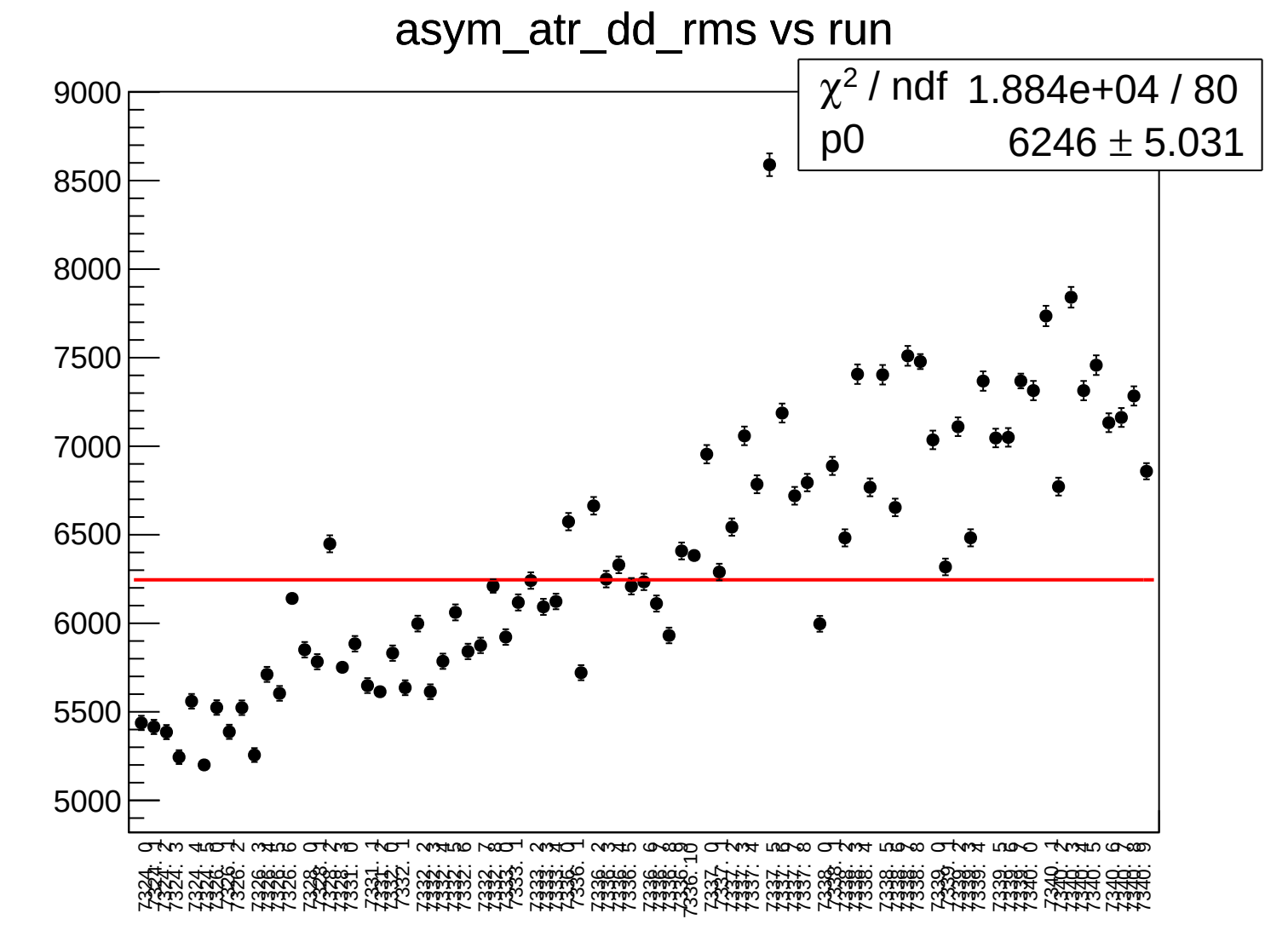

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 82.19 / 80
p0 1164 ± 6800
pull
Entries 81
Mean 267.9
Std Dev 236.9

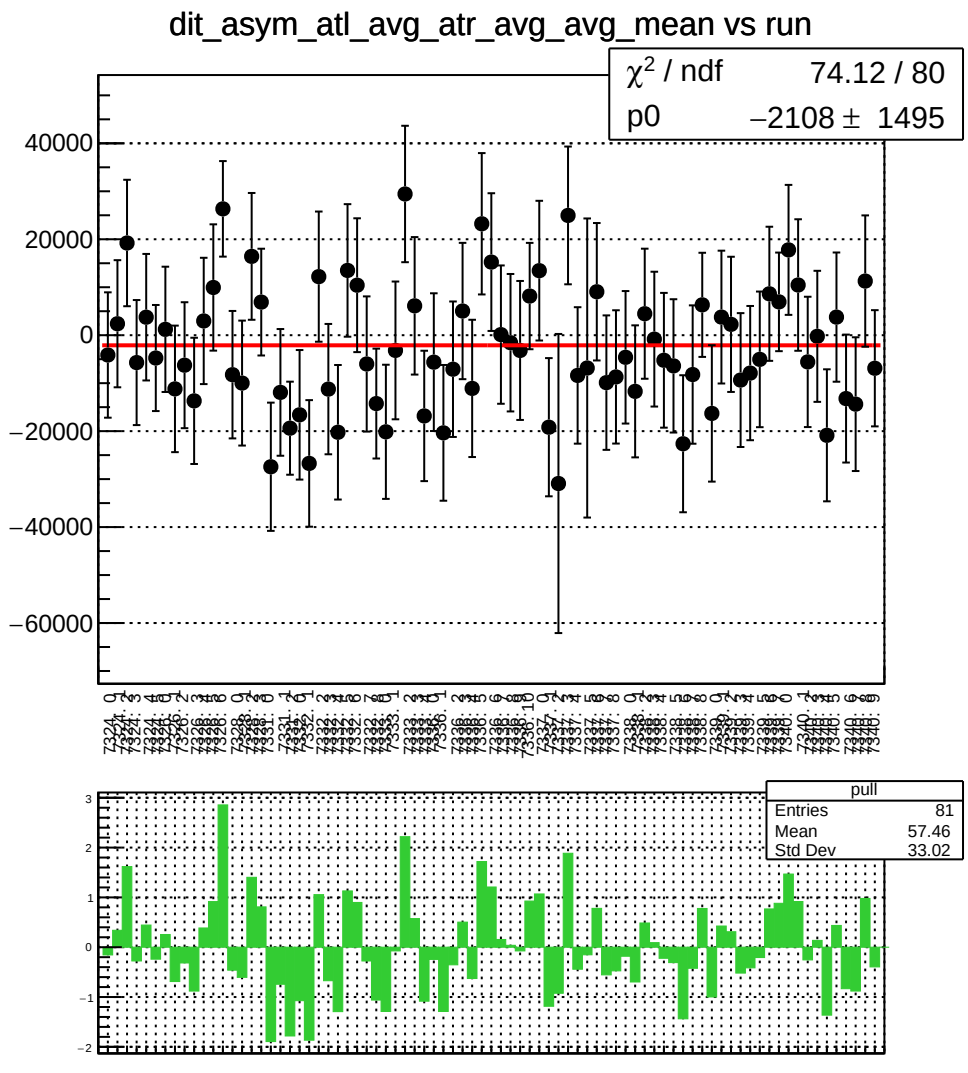

pull1D
Entries 81
Mean −0.01318
Std Dev 1.007

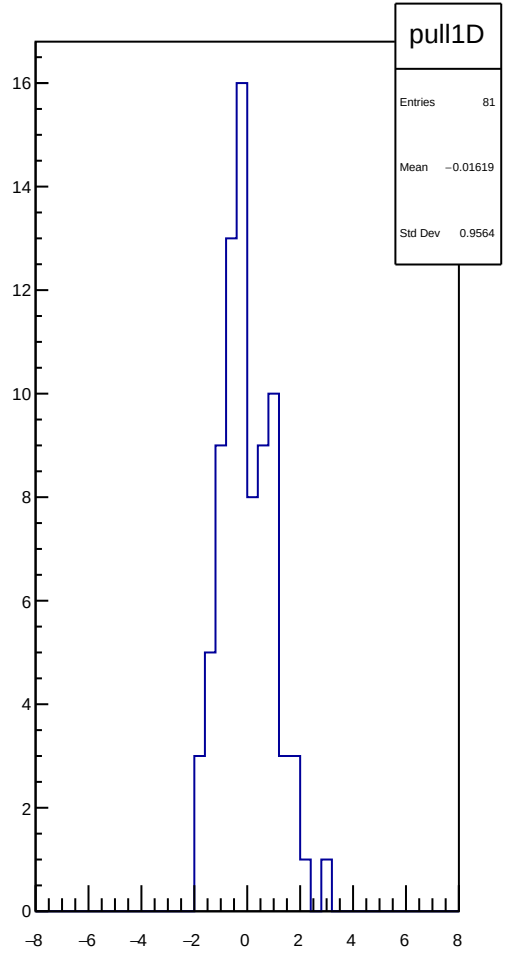

asym_atr_dd_correction_rms vs run
χ² / ndf 2.046e+04 / 80
p0 5966 ± 4.808
7500
7000
6500
6000
5500
5000

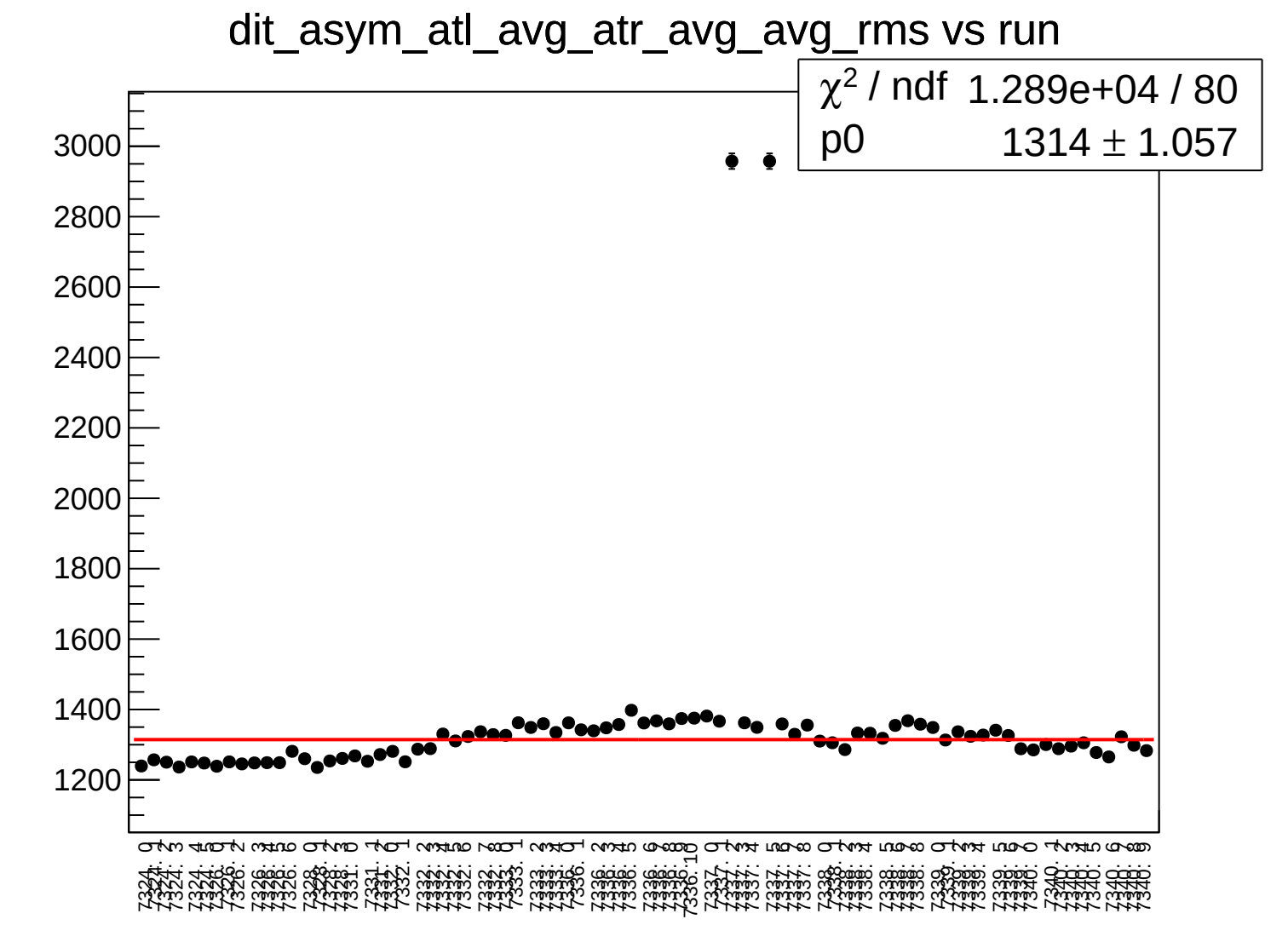

asym_atr_dd_mean vs run
×10^3
χ² / ndf 78.63 / 80
p0 −5746 ± 7115
200
100
0
−100
−200
−300
pull
Entries 81
Mean 332
Std Dev 303.4
2
1
0
−1
−2

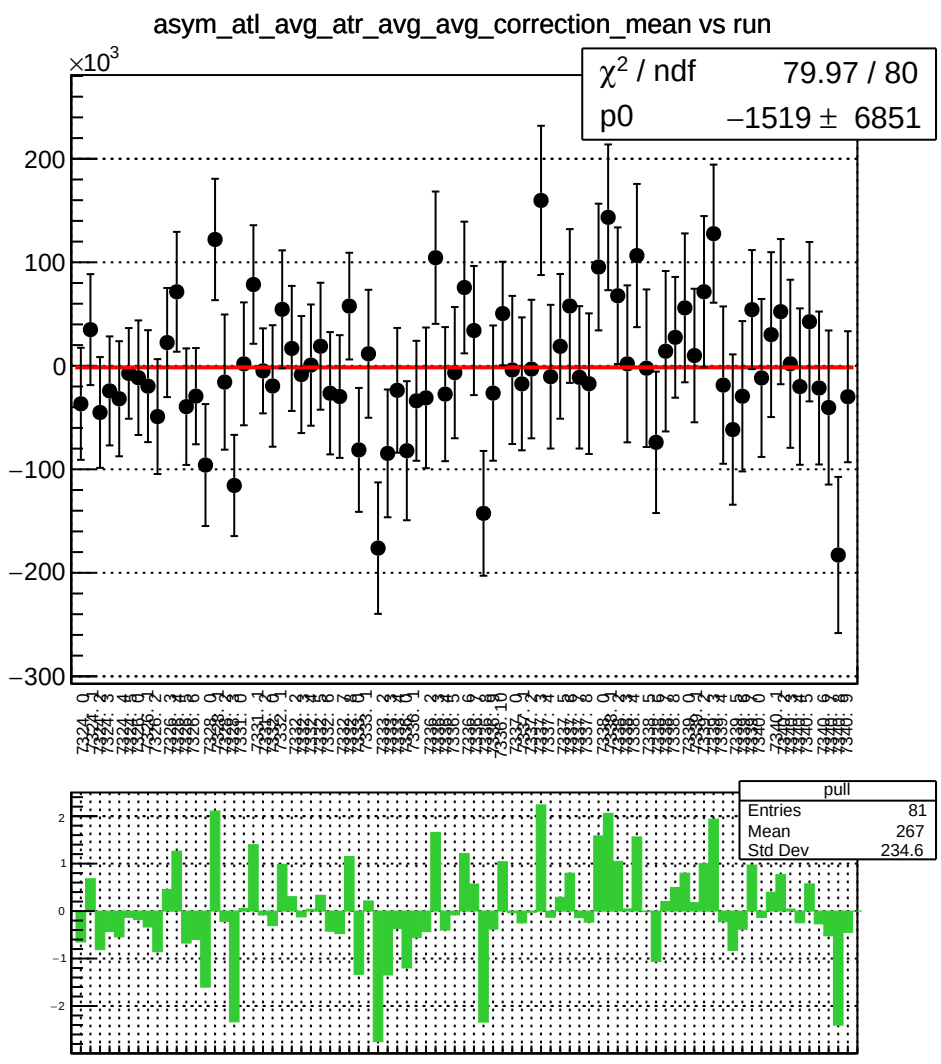

pull1D
Entries 81
Mean 0.01057
Std Dev 0.9852
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

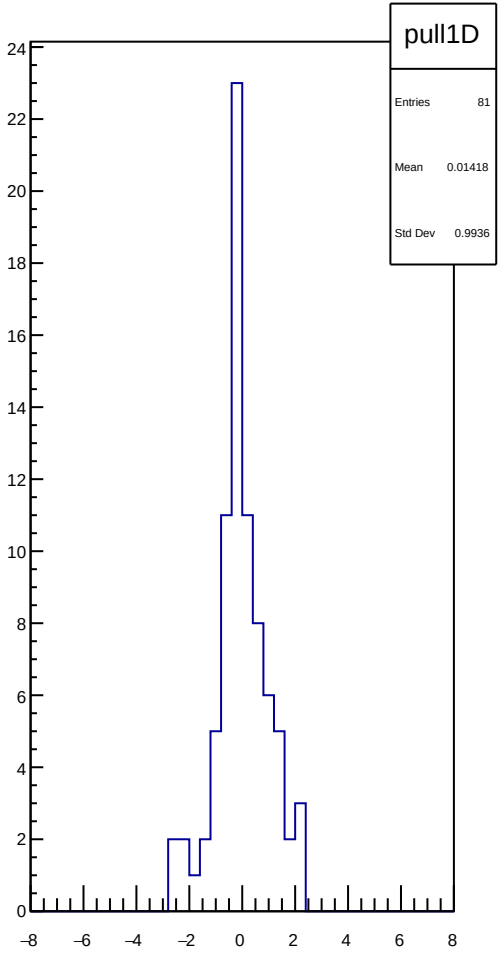

asym_atr_dd_rms vs run
χ^2 / ndf 1.884e+04 / 80
p0 6246 ± 5.031
9000
8500
8000
7500
7000
6500
6000
5500
5000

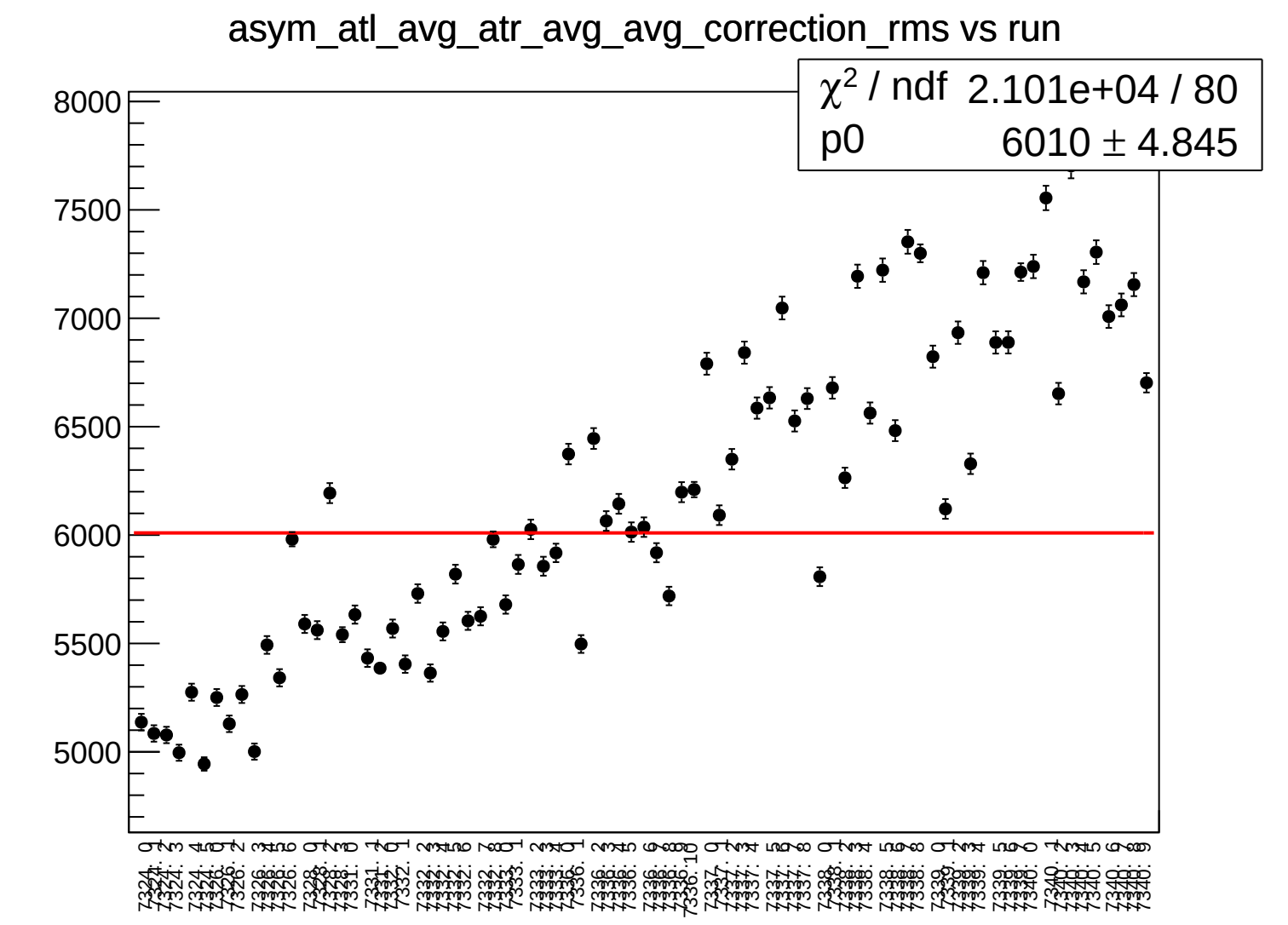

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 74.12 / 80
p0 −2108 ± 1495
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 57.46
Std Dev 33.02
3
2
1
0
−1
−2

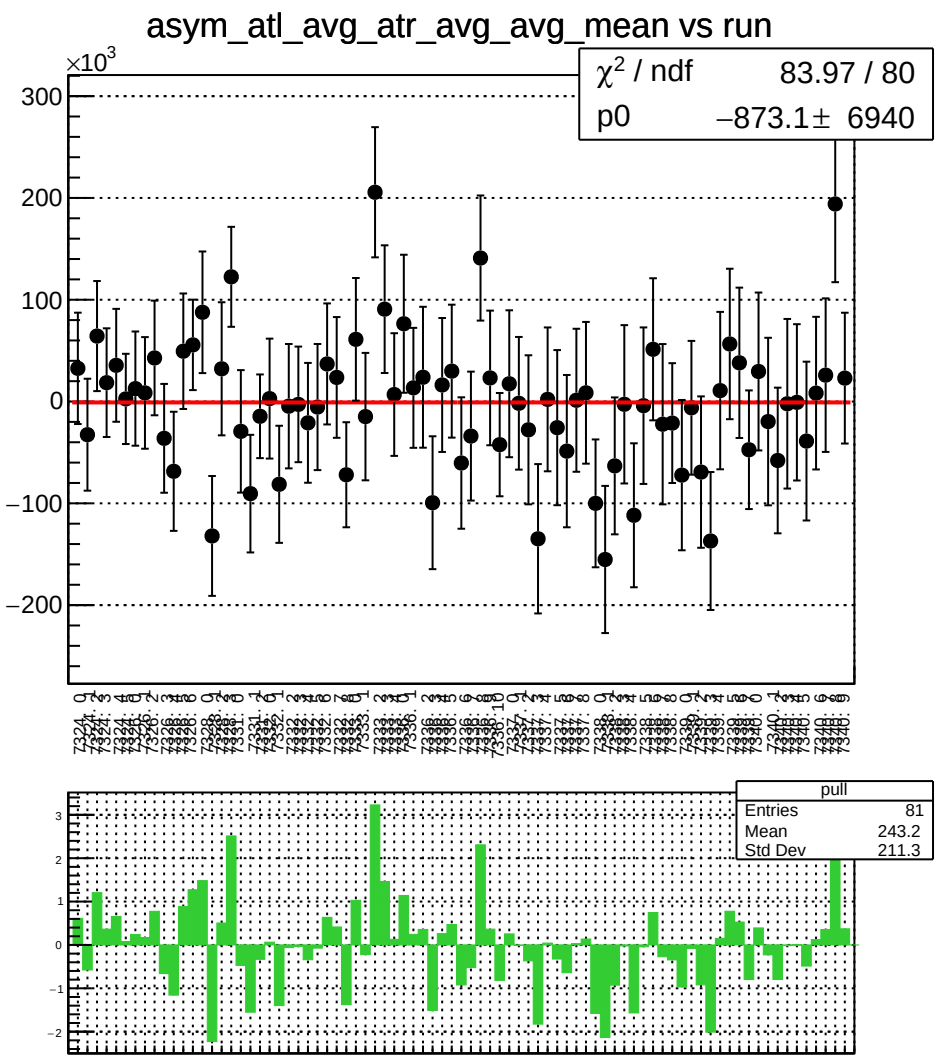

pull1D
Entries 81
Mean −0.01619
Std Dev 0.9564
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

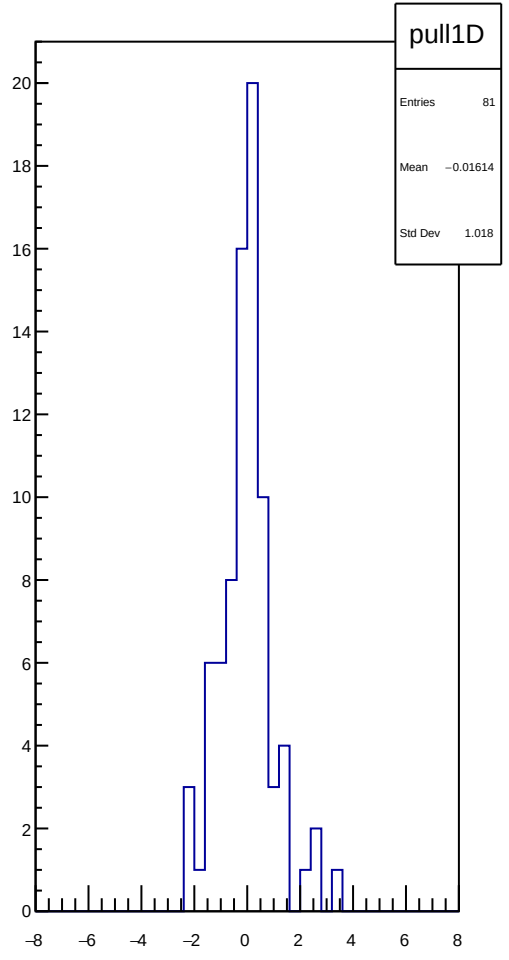

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.289e+04 / 80
p0 1314 ± 1.057
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

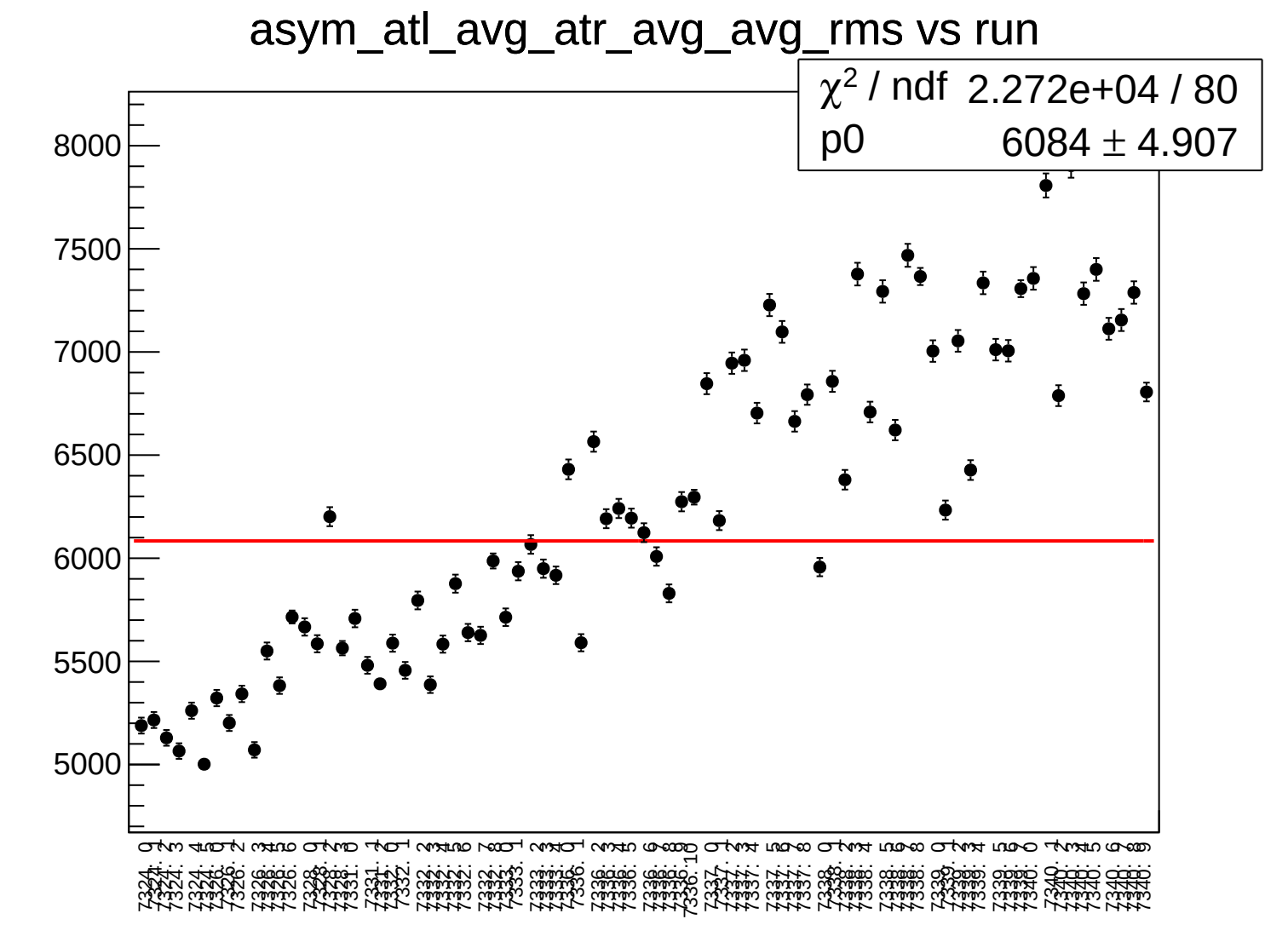

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 79.97 / 80
p0 −1519 ± 6851
pull
Entries 81
Mean 267
Std Dev 234.6

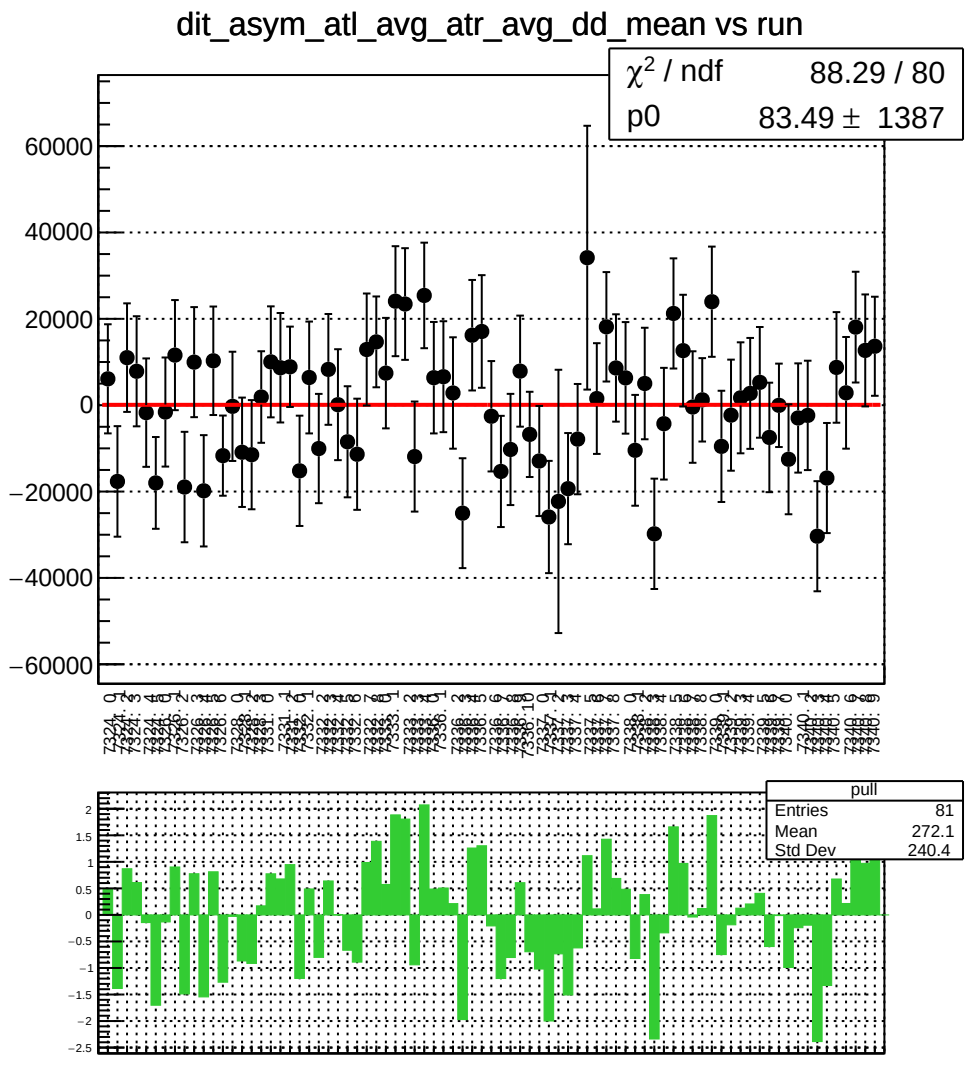

pull1D
Entries 81
Mean 0.01418
Std Dev 0.9936

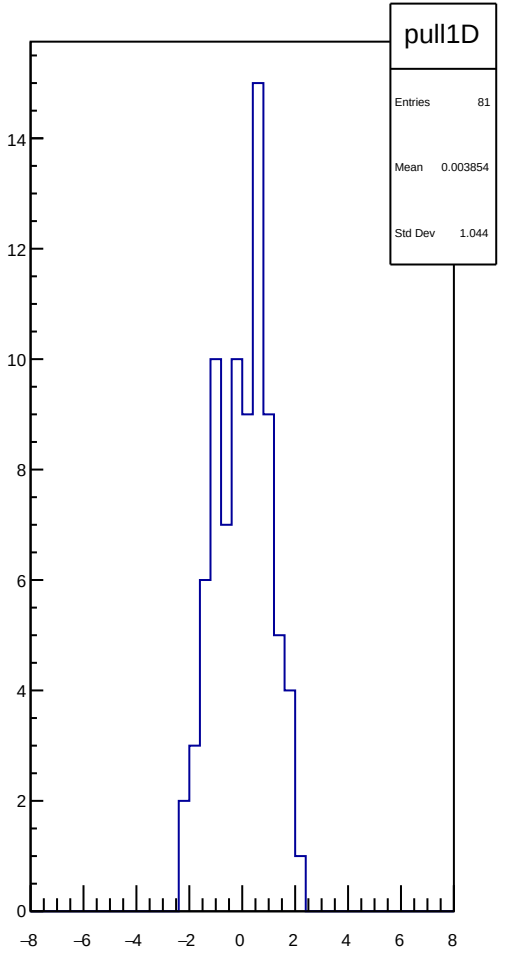

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.101e+04 / 80
p0 6010 ± 4.845
8000
7500
7000
6500
6000
5500
5000

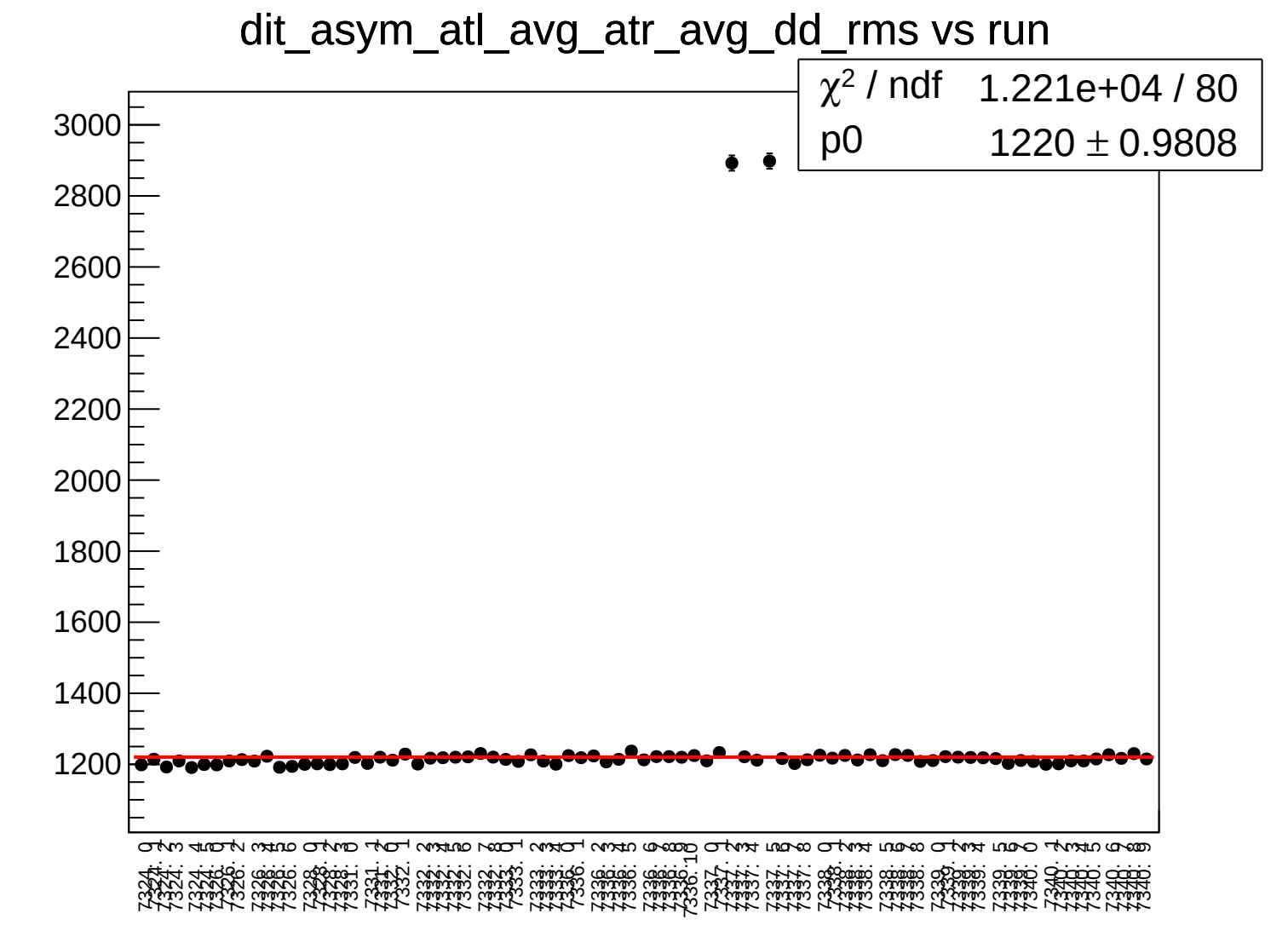

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 83.97 / 80
p0 −873.1± 6940
×10³
pull
Entries 81
Mean 243.2
Std Dev 211.3

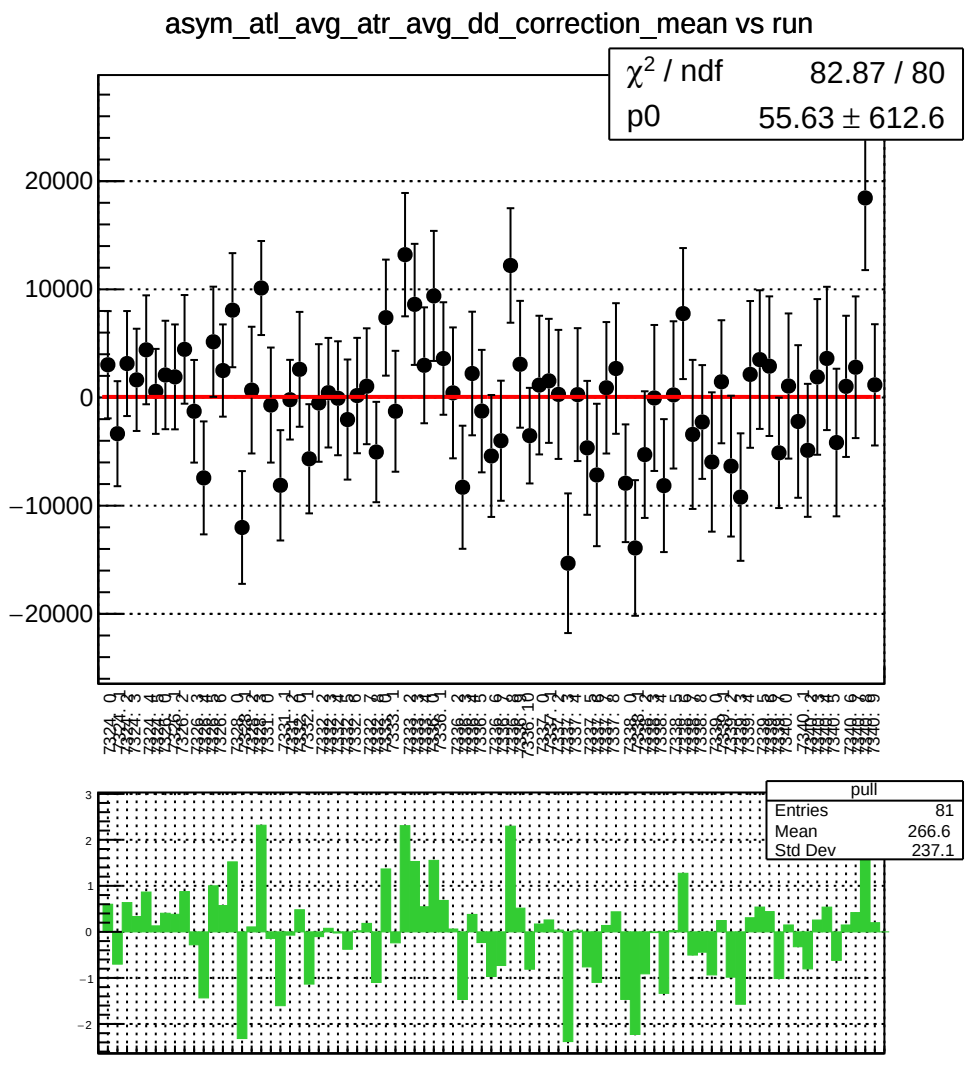

pull1D
Entries 81
Mean −0.01614
Std Dev 1.018

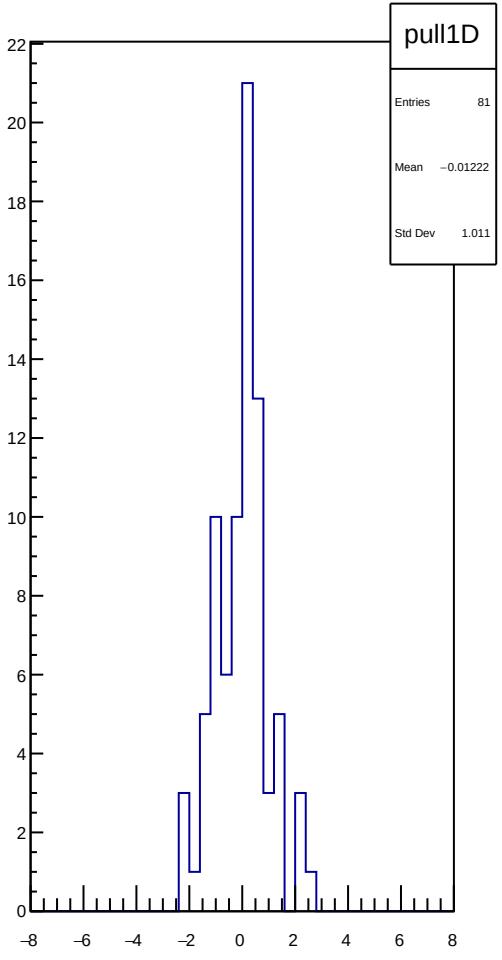

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.272e+04 / 80
p0 6084 ± 4.907
8000
7500
7000
6500
6000
5500
5000

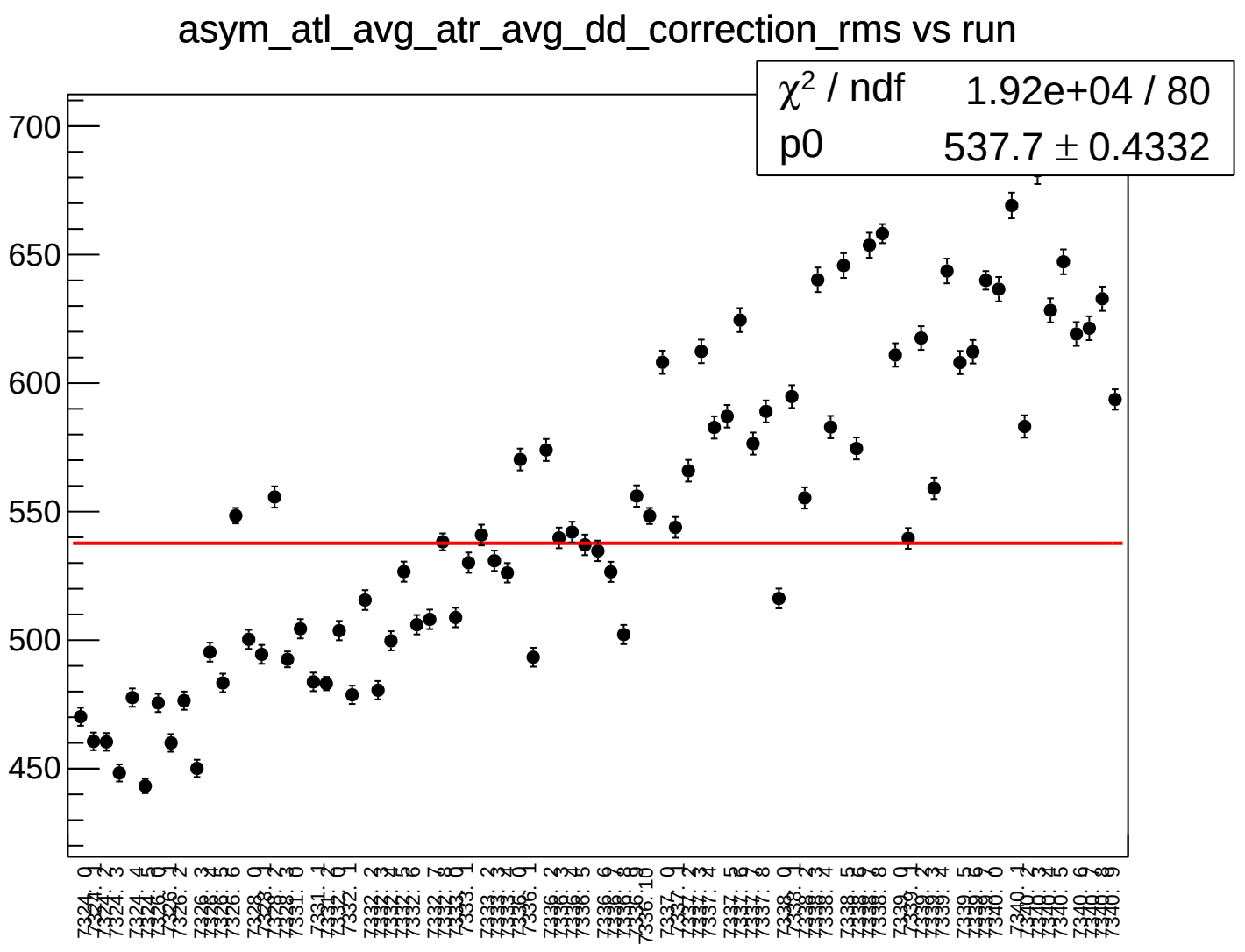

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 88.29 / 80
p0 83.49 ± 1387
pull
Entries 81
Mean 272.1
Std Dev 240.4

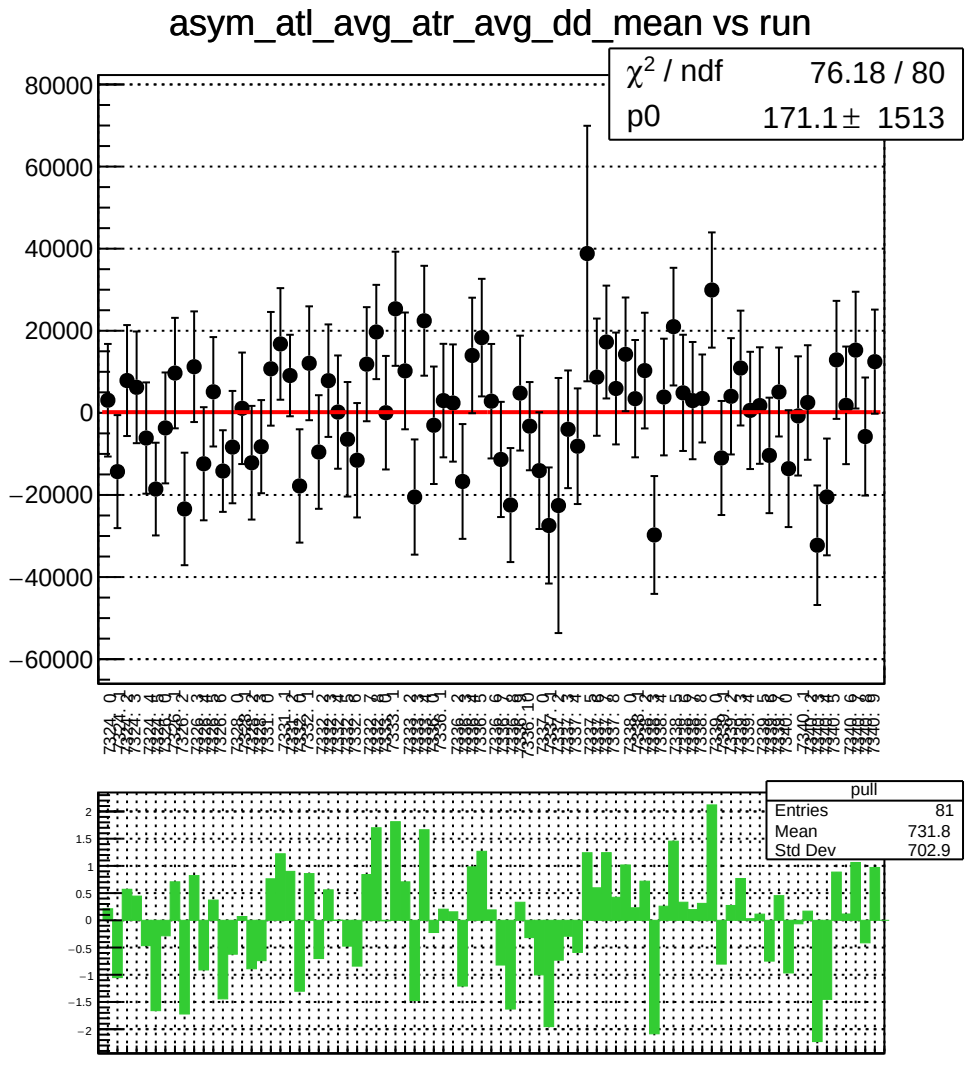

pull1D
Entries 81
Mean 0.003854
Std Dev 1.044

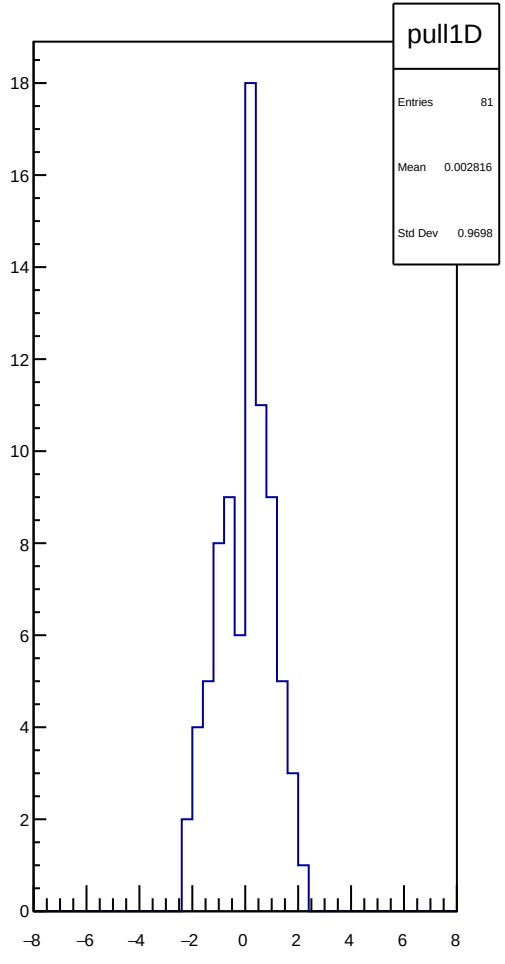

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.221e+04 / 80
p0 1220 ± 0.9808
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

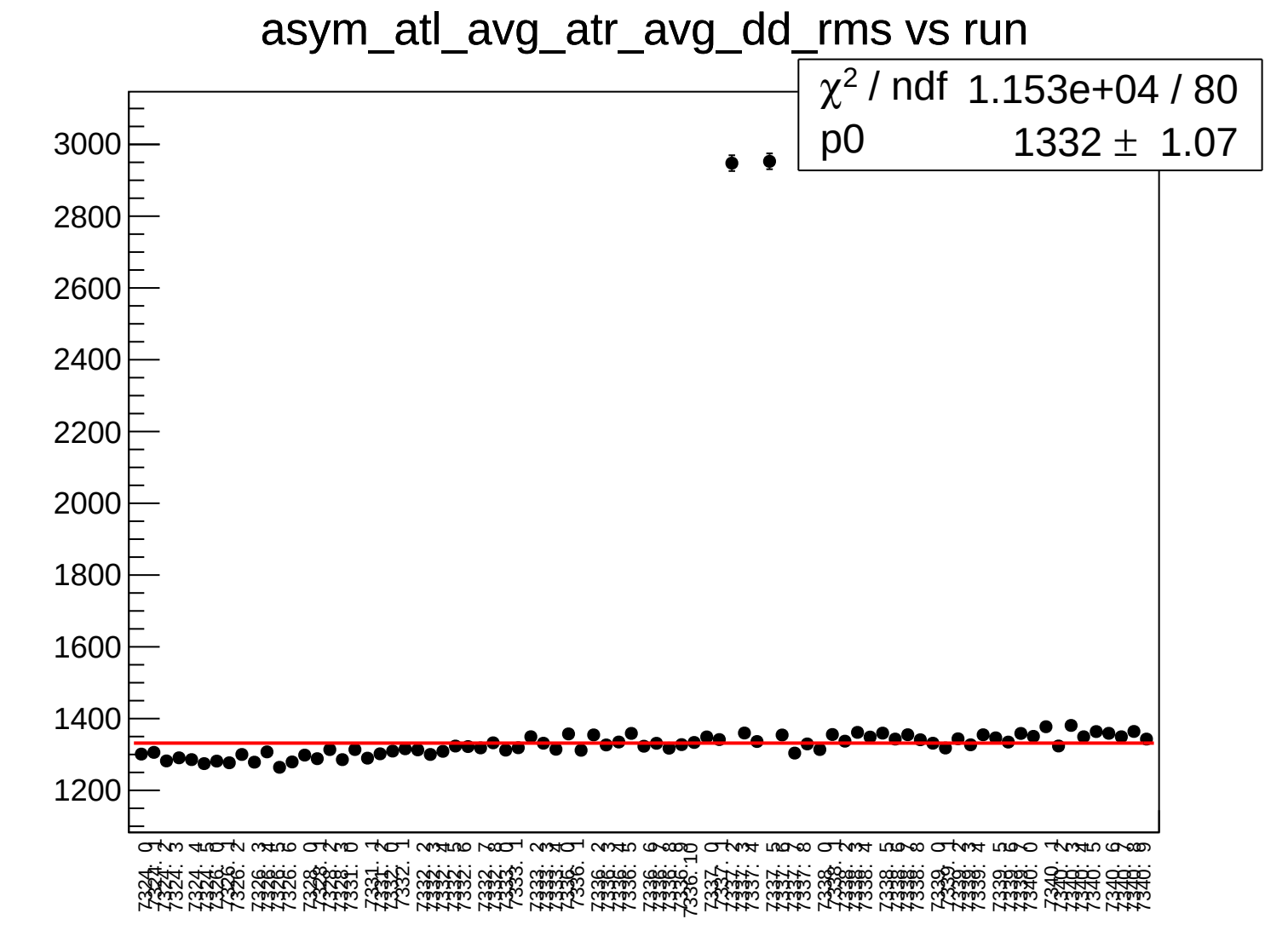

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 82.87 / 80
p0 55.63 ± 612.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 266.6
Std Dev 237.1
3
2
1
0
−1
−2

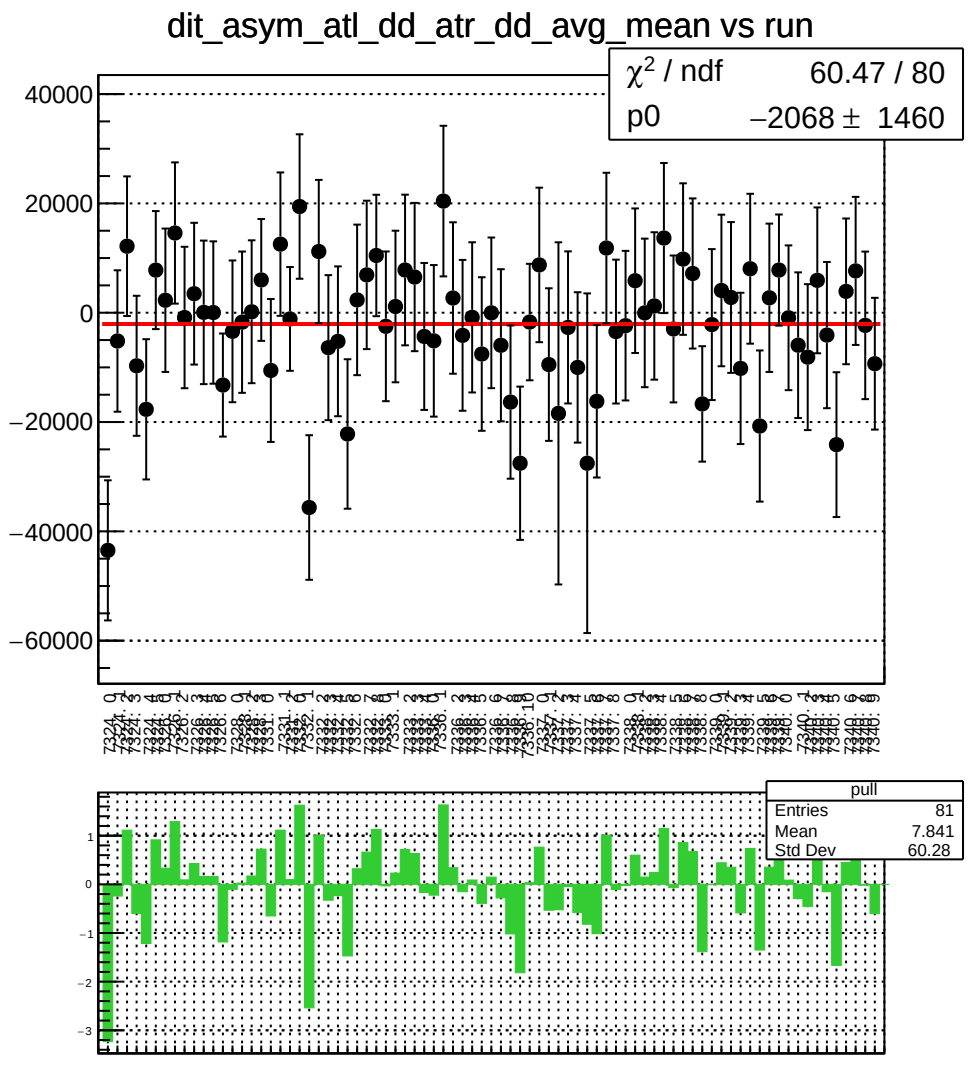

pull1D
Entries 81
Mean −0.01222
Std Dev 1.011
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

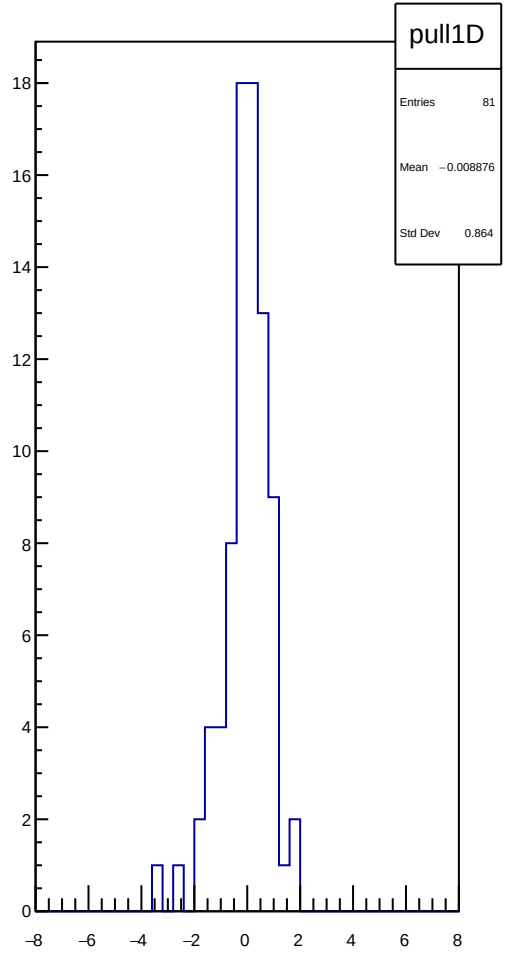

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.92e+04 / 80
p0 537.7 ± 0.4332
700
650
600
550
500
450

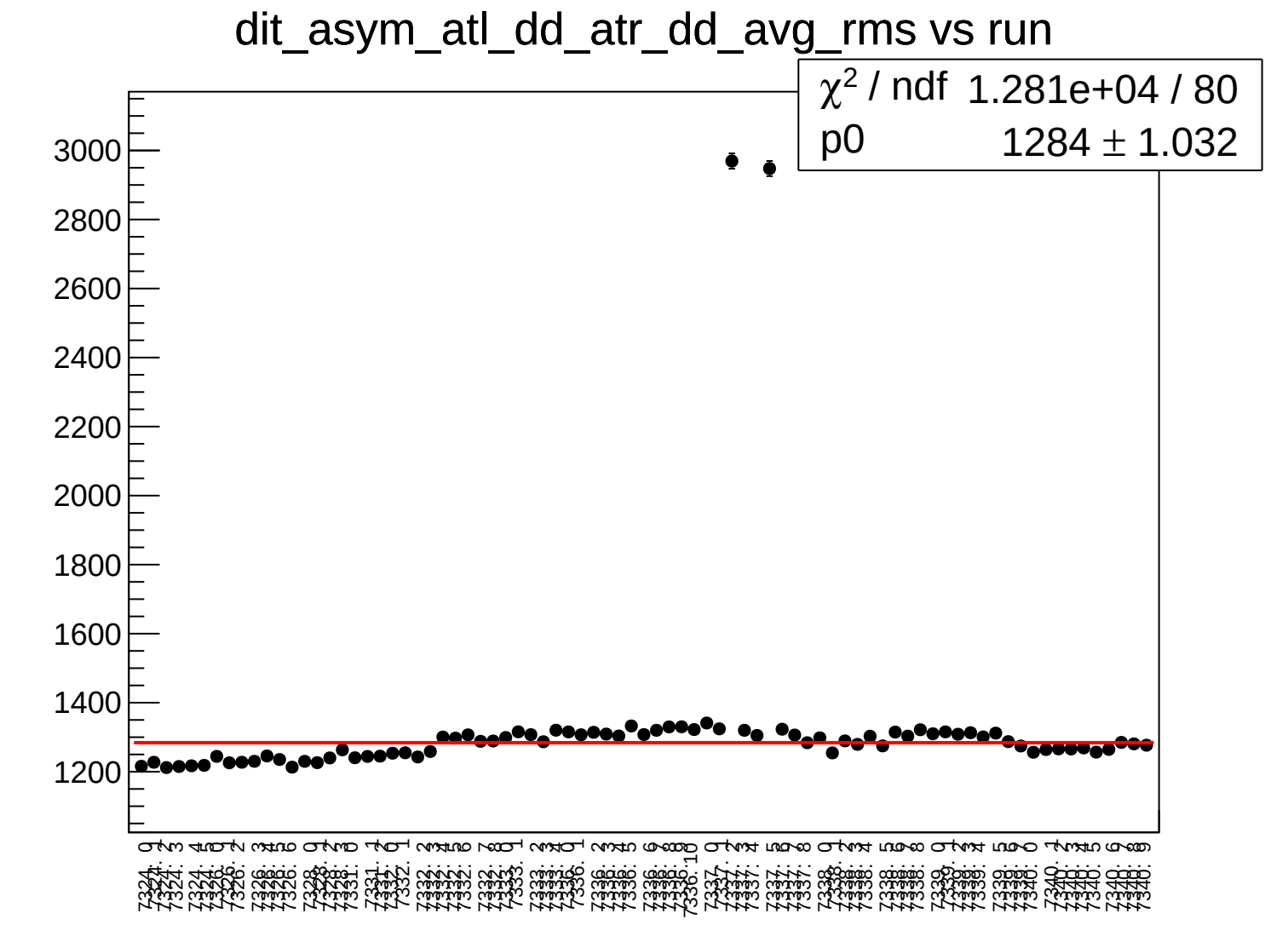

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.18 / 80
p0 171.1± 1513
pull
Entries 81
Mean 731.8
Std Dev 702.9

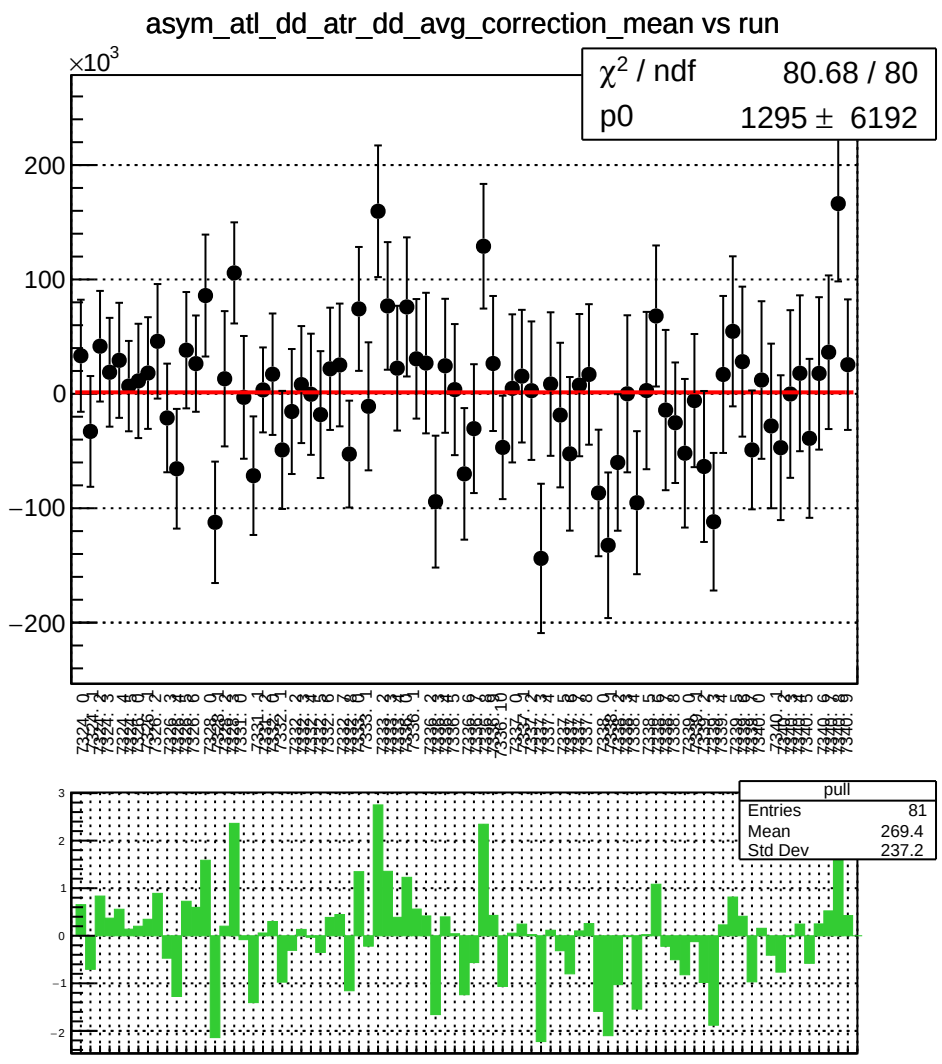

pull1D
Entries 81
Mean 0.002816
Std Dev 0.9698

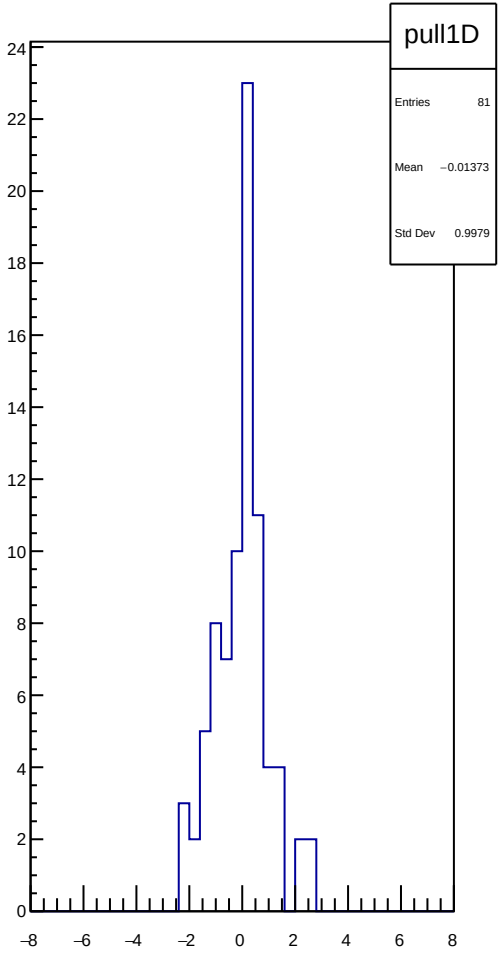

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.153e+04 / 80
p0 1332 ± 1.07
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

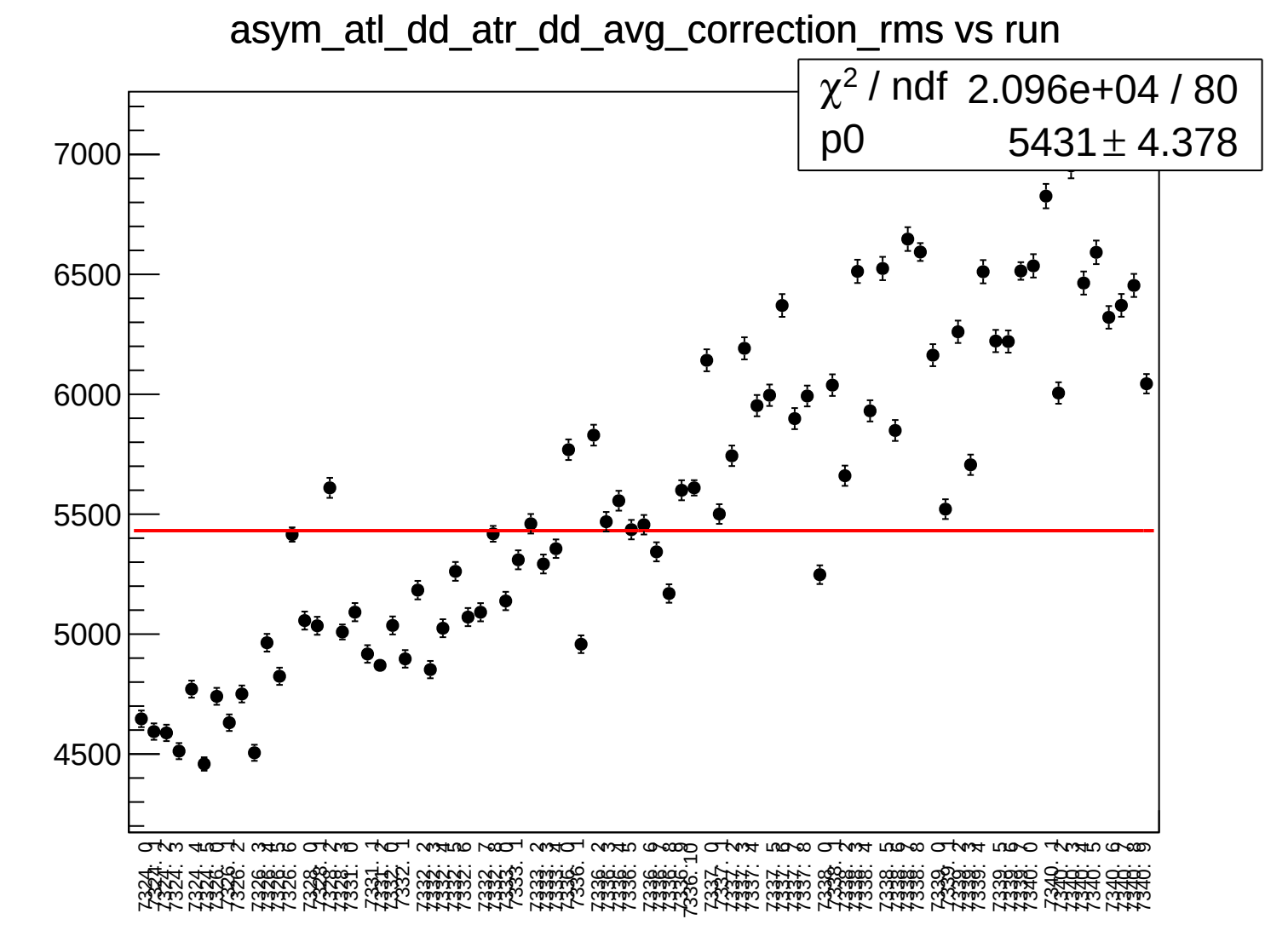

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 60.47 / 80
p0 −2068 ± 1460
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 7.841
Std Dev 60.28
1
0
−1
−2
−3

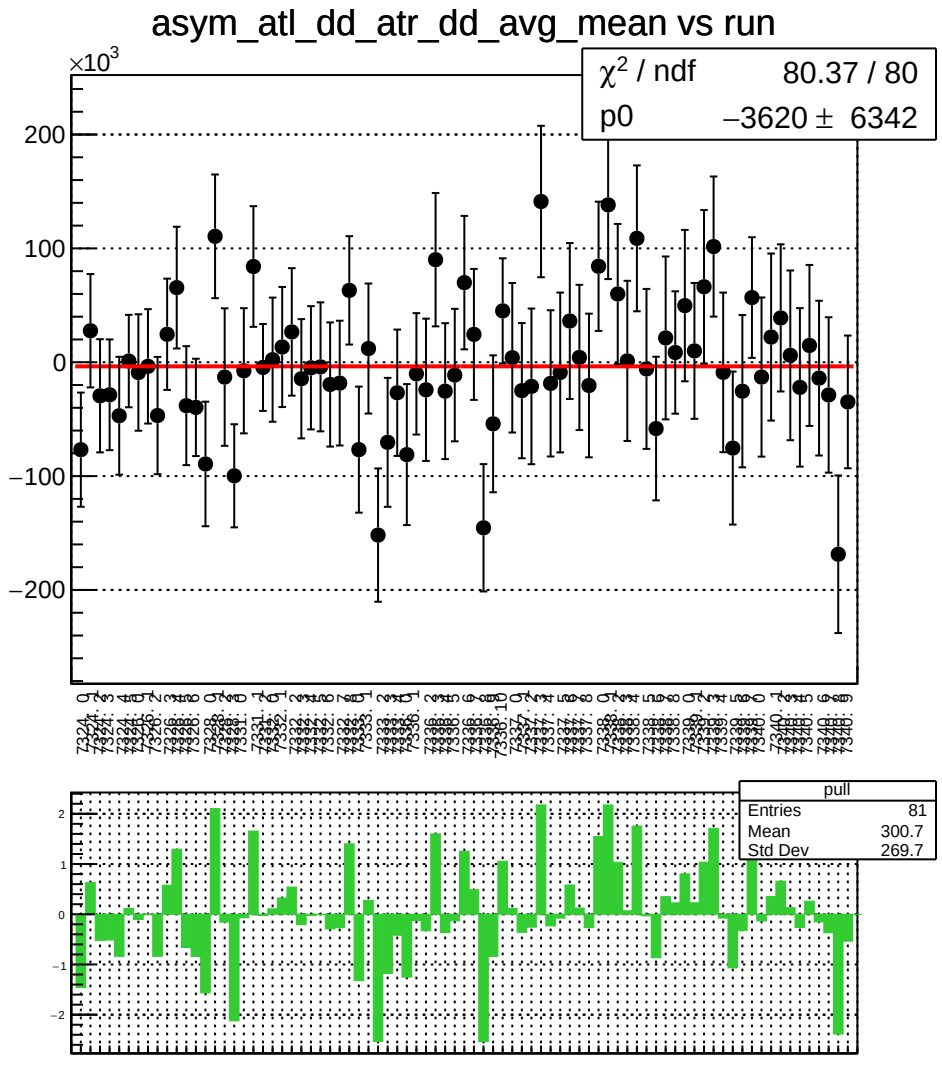

pull1D
Entries 81
Mean −0.008876
Std Dev 0.864
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

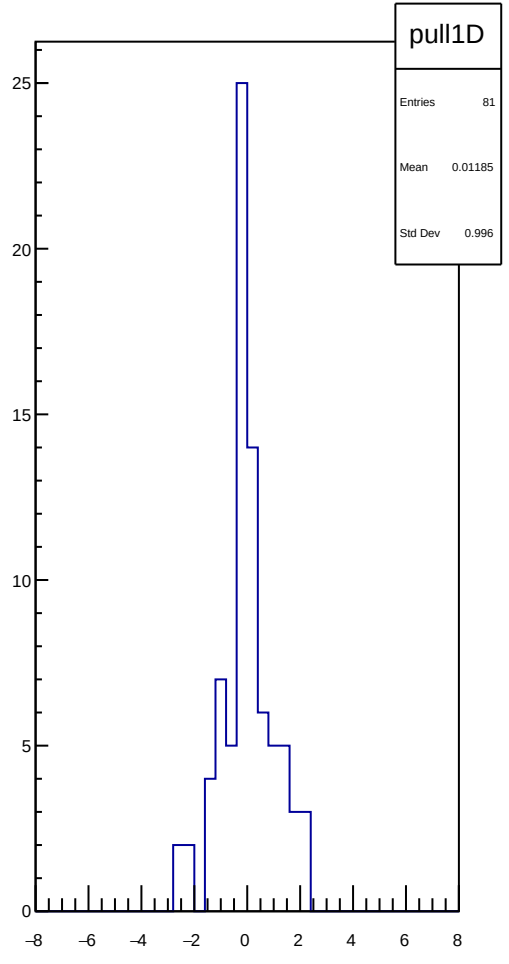

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.281e+04 / 80
p0 1284 ± 1.032
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

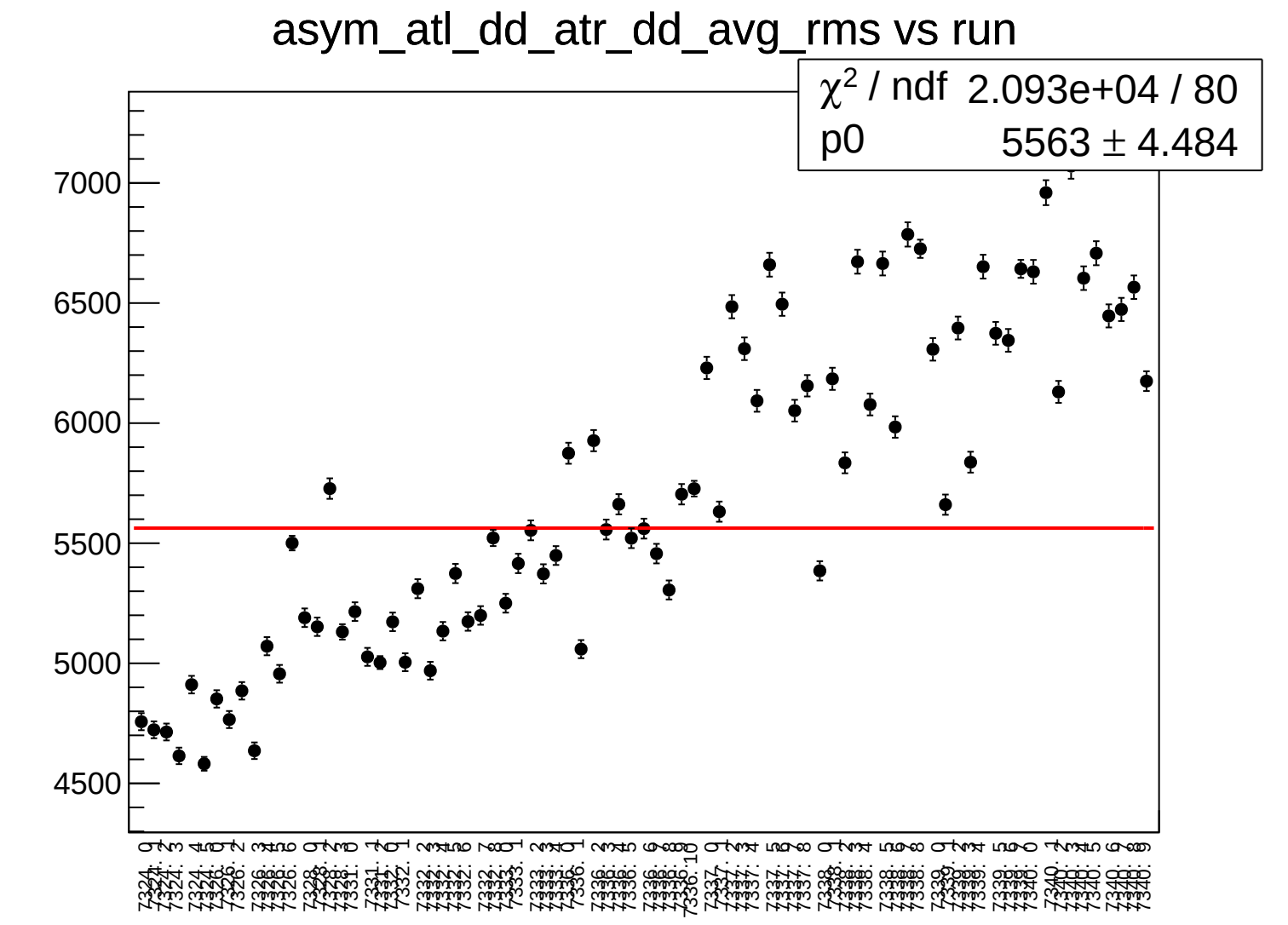

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 80.68 / 80
p0 1295 ± 6192
200
100
0
−100
−200
pull
Entries 81
Mean 269.4
Std Dev 237.2
3
2
1
0
−1
−2

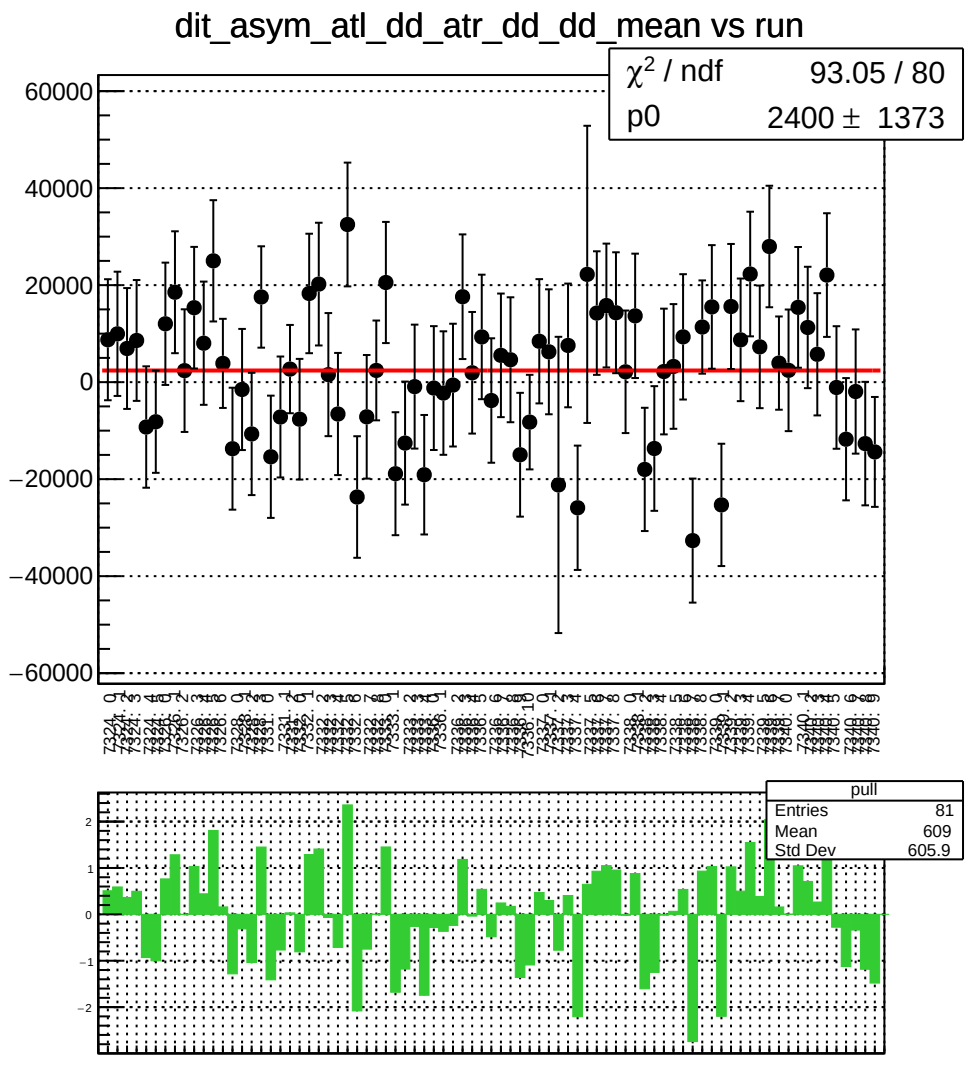

pull1D
Entries 81
Mean −0.01373
Std Dev 0.9979
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

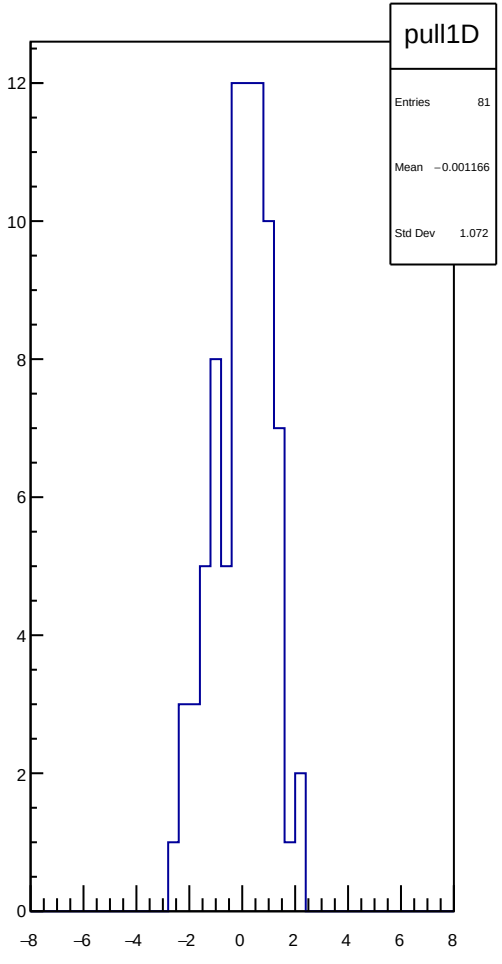

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.096e+04 / 80
p0 5431 ± 4.378
7000
6500
6000
5500
5000
4500

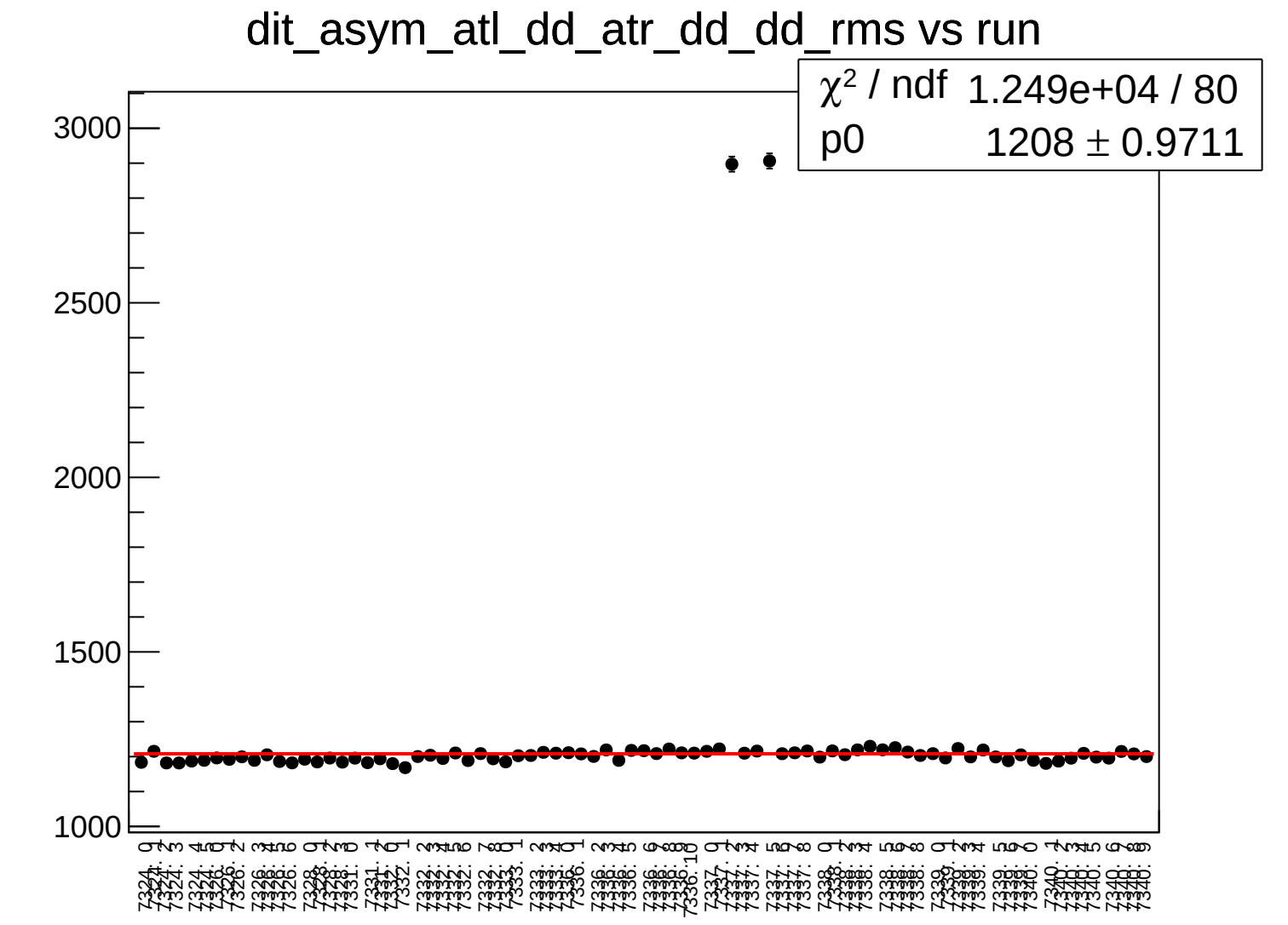

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 80.37 / 80
p0 −3620 ± 6342
200
100
0
−100
−200
pull
Entries 81
Mean 300.7
Std Dev 269.7
2
1
0
−1
−2

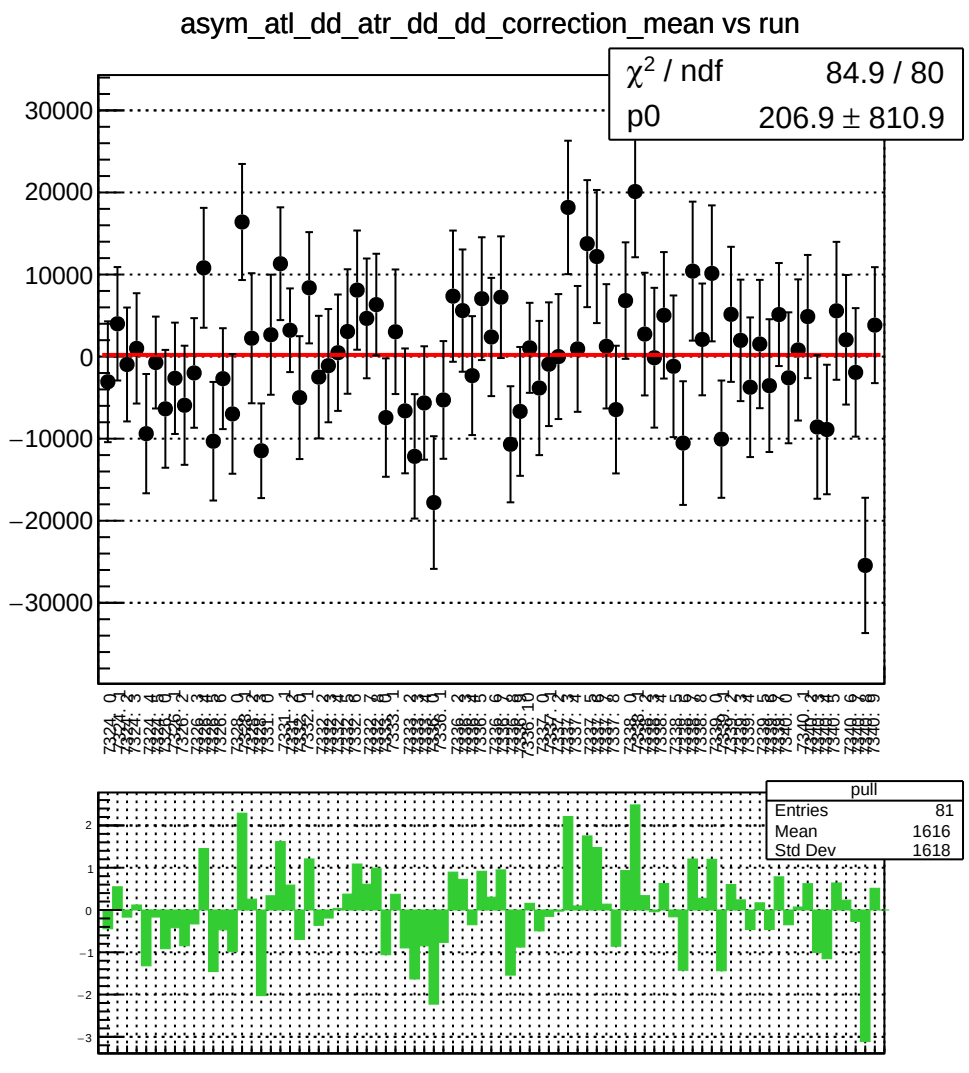

pull1D
Entries 81
Mean 0.01185
Std Dev 0.996
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

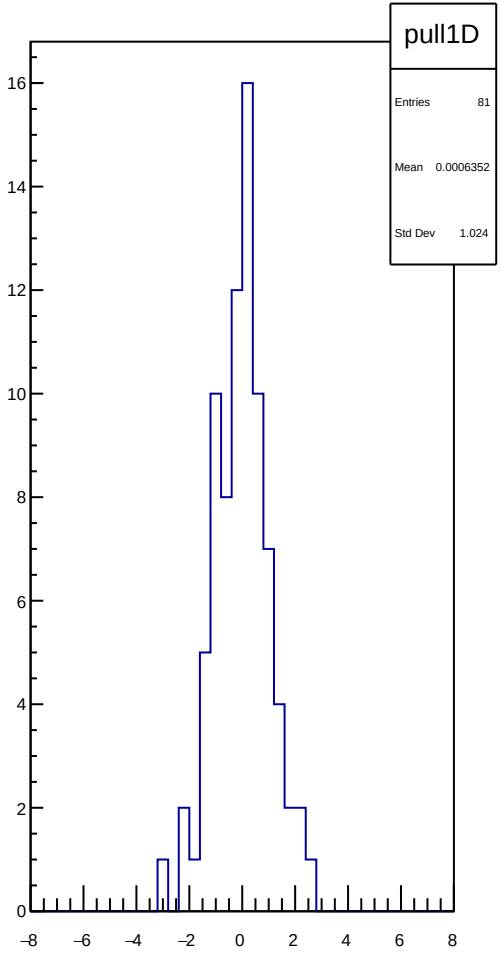

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.093e+04 / 80
p0 5563 ± 4.484
7000
6500
6000
5500
5000
4500

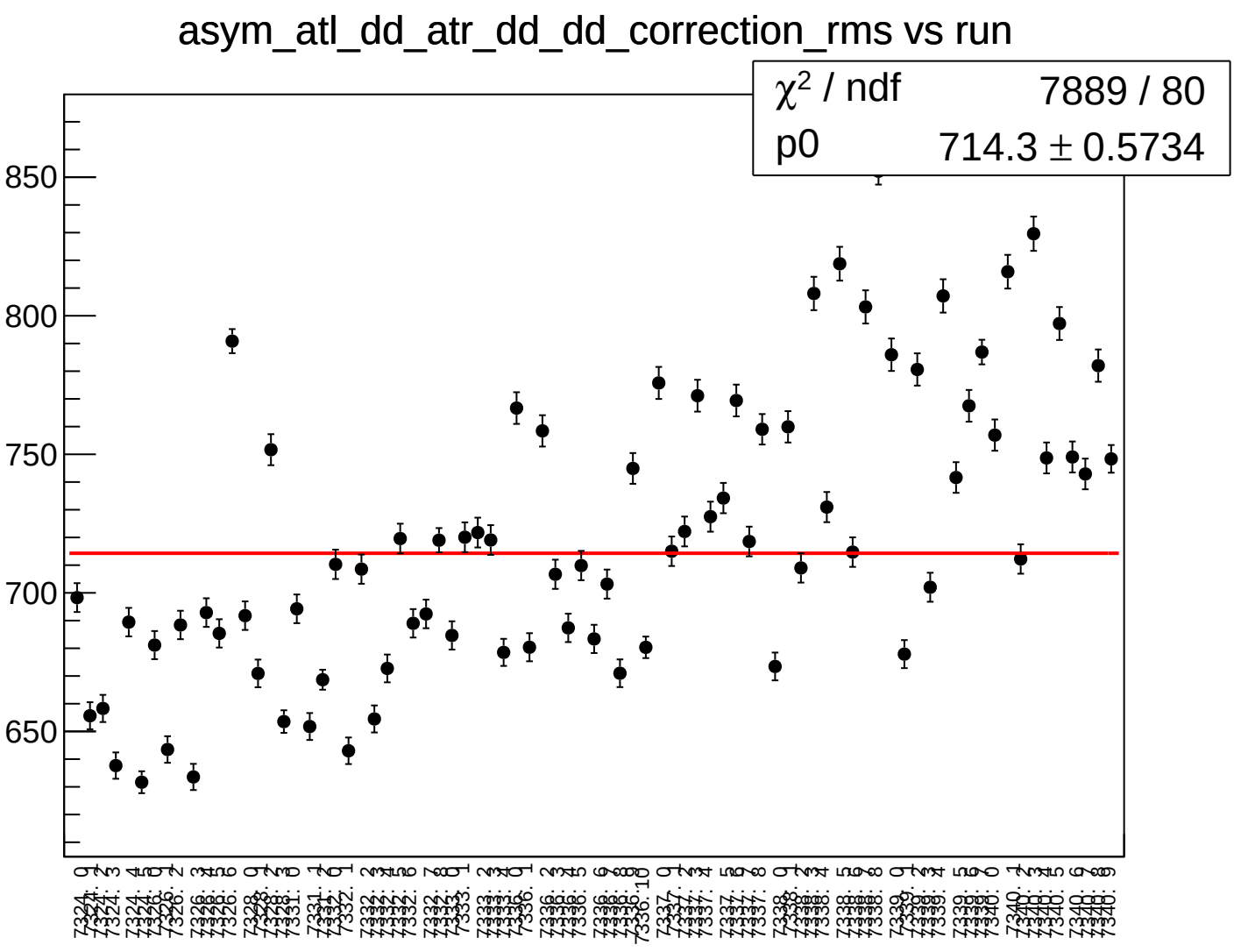

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.05 / 80
p0 2400 ± 1373
pull
Entries 81
Mean 609
Std Dev 605.9

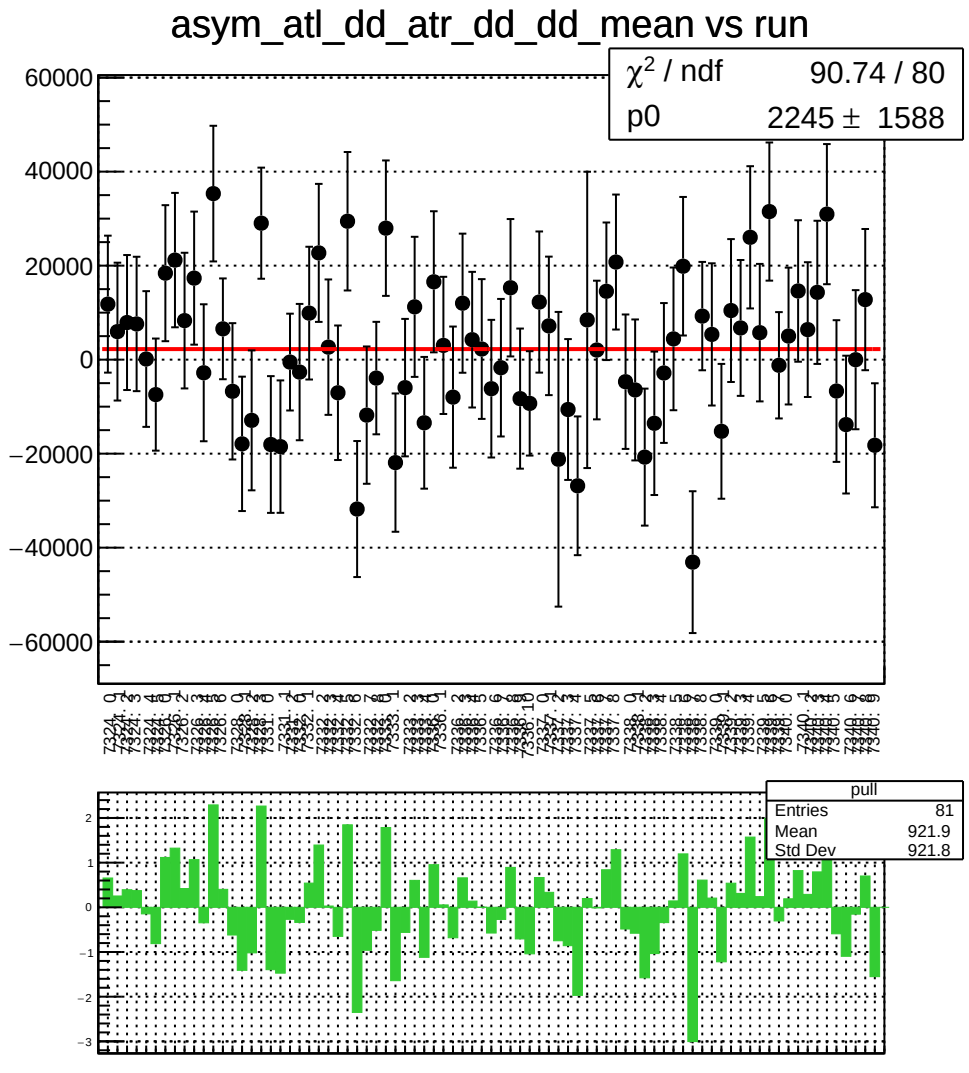

pull1D
Entries 81
Mean −0.001166
Std Dev 1.072

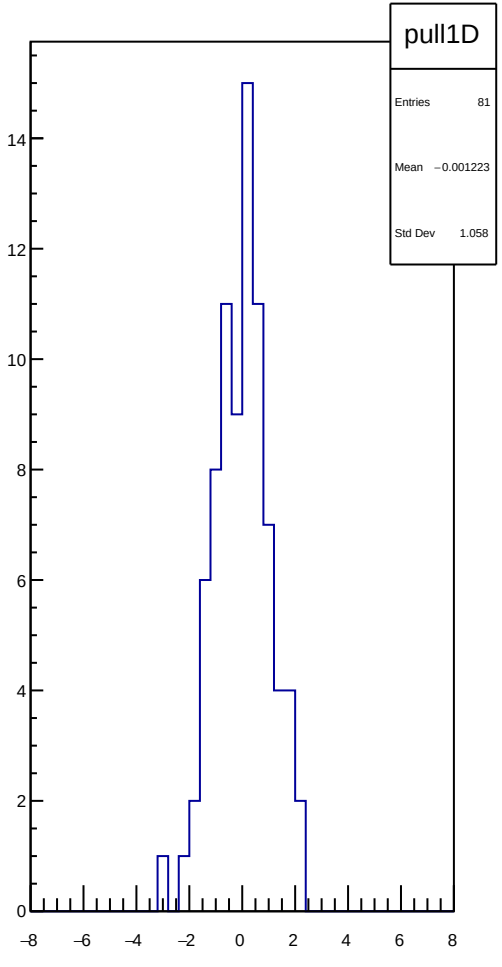

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.249e+04 / 80
p0 1208 ± 0.9711
3000
2500
2000
1500
1000

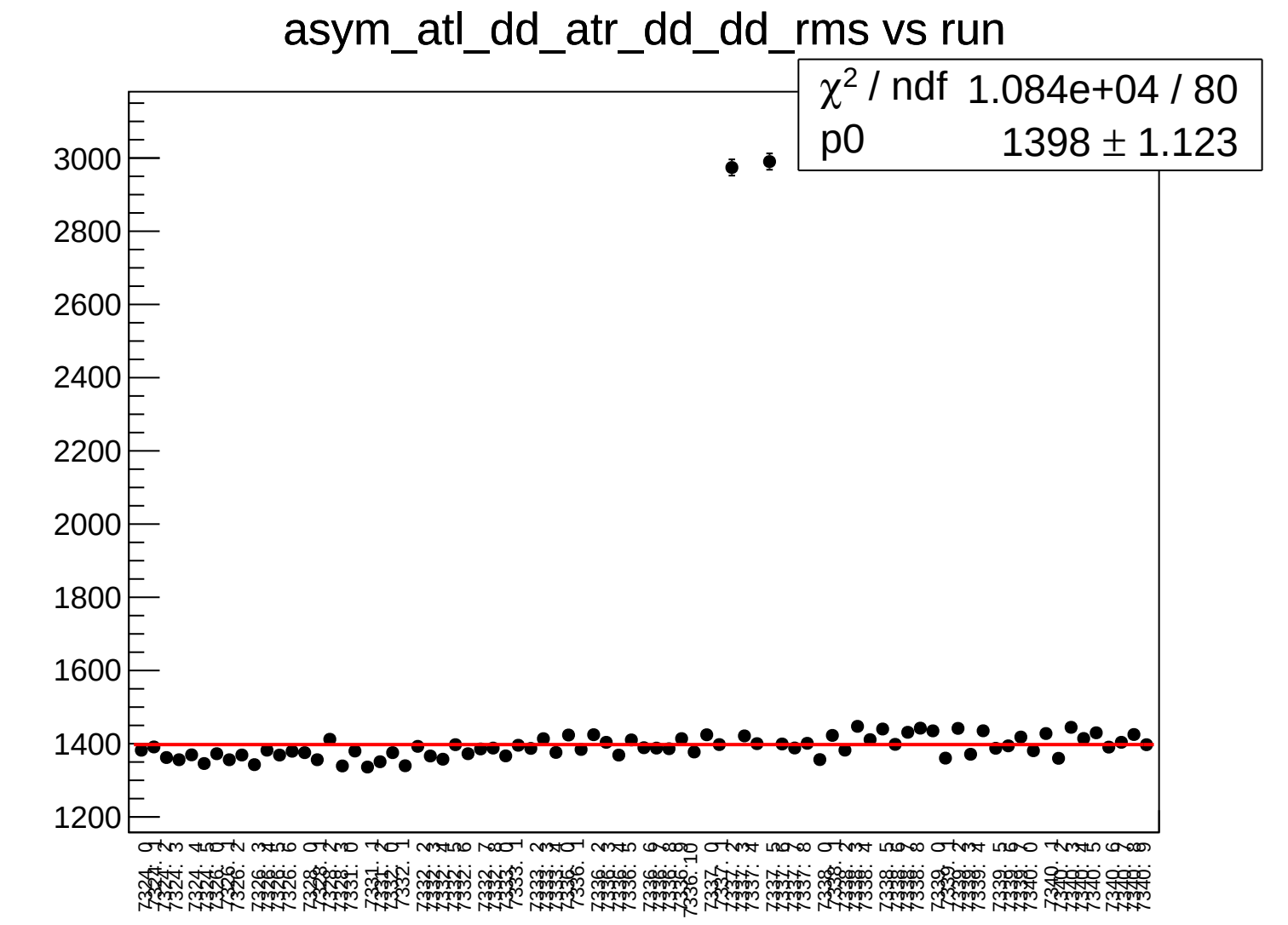

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 84.9 / 80
p0 206.9 ± 810.9
pull
Entries 81
Mean 1616
Std Dev 1618

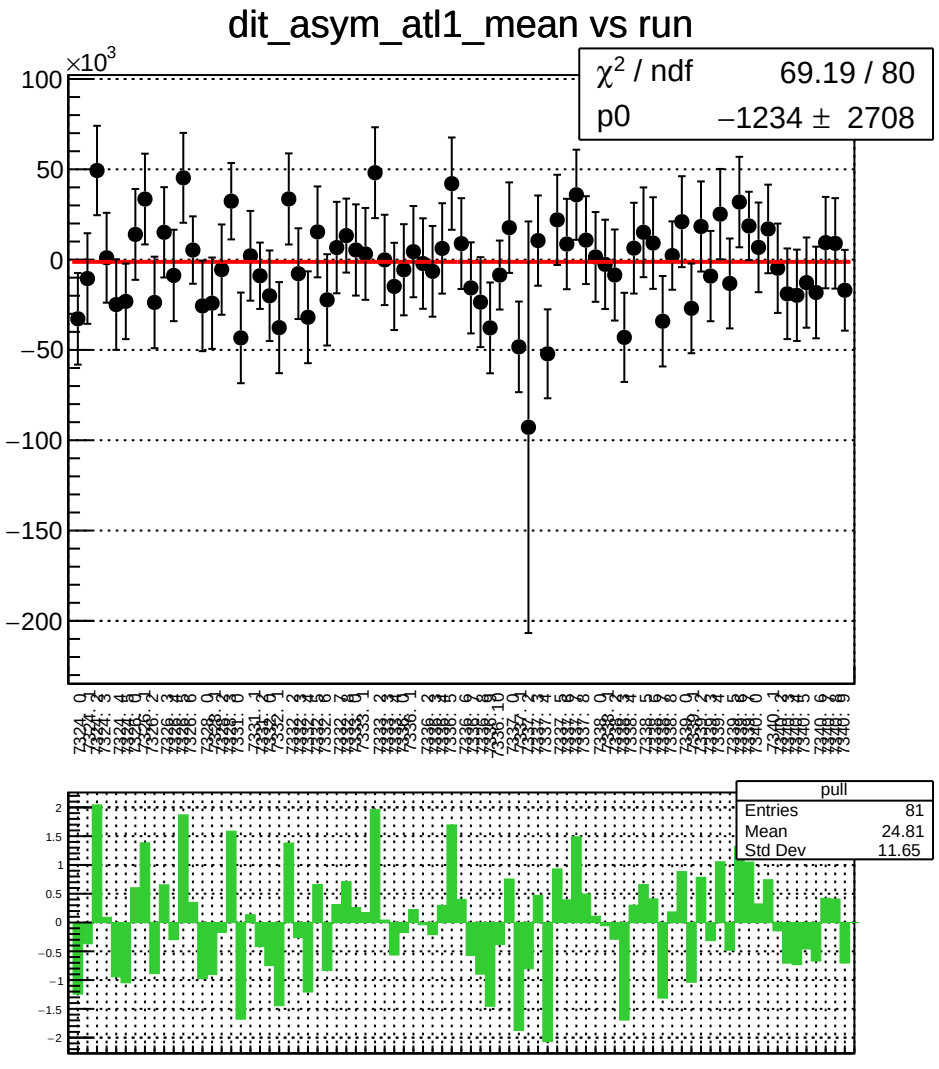

pull1D
Entries 81
Mean 0.0006352
Std Dev 1.024

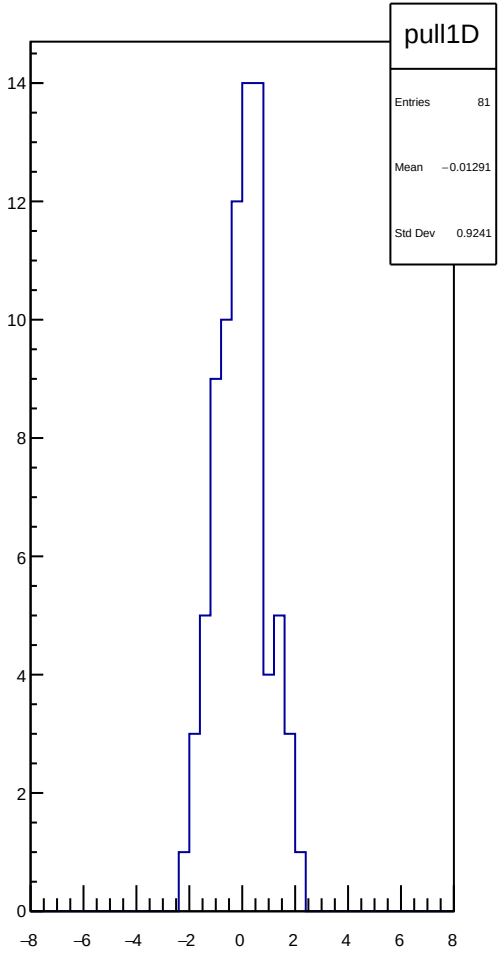

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 7889 / 80
p0 714.3 ± 0.5734
850
800
750
700
650

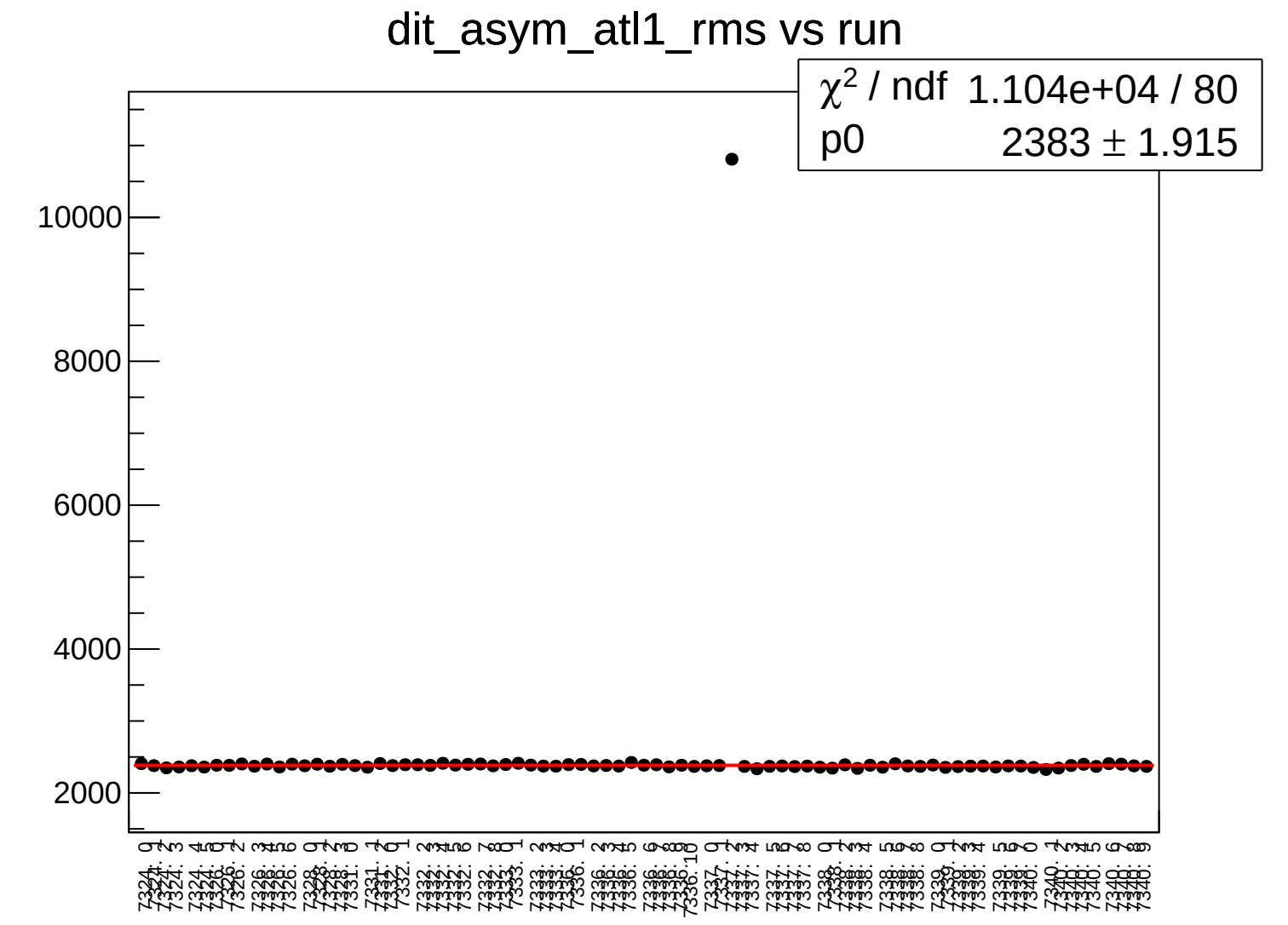

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 90.74 / 80
p0 2245 ± 1588
pull
Entries 81
Mean 921.9
Std Dev 921.8

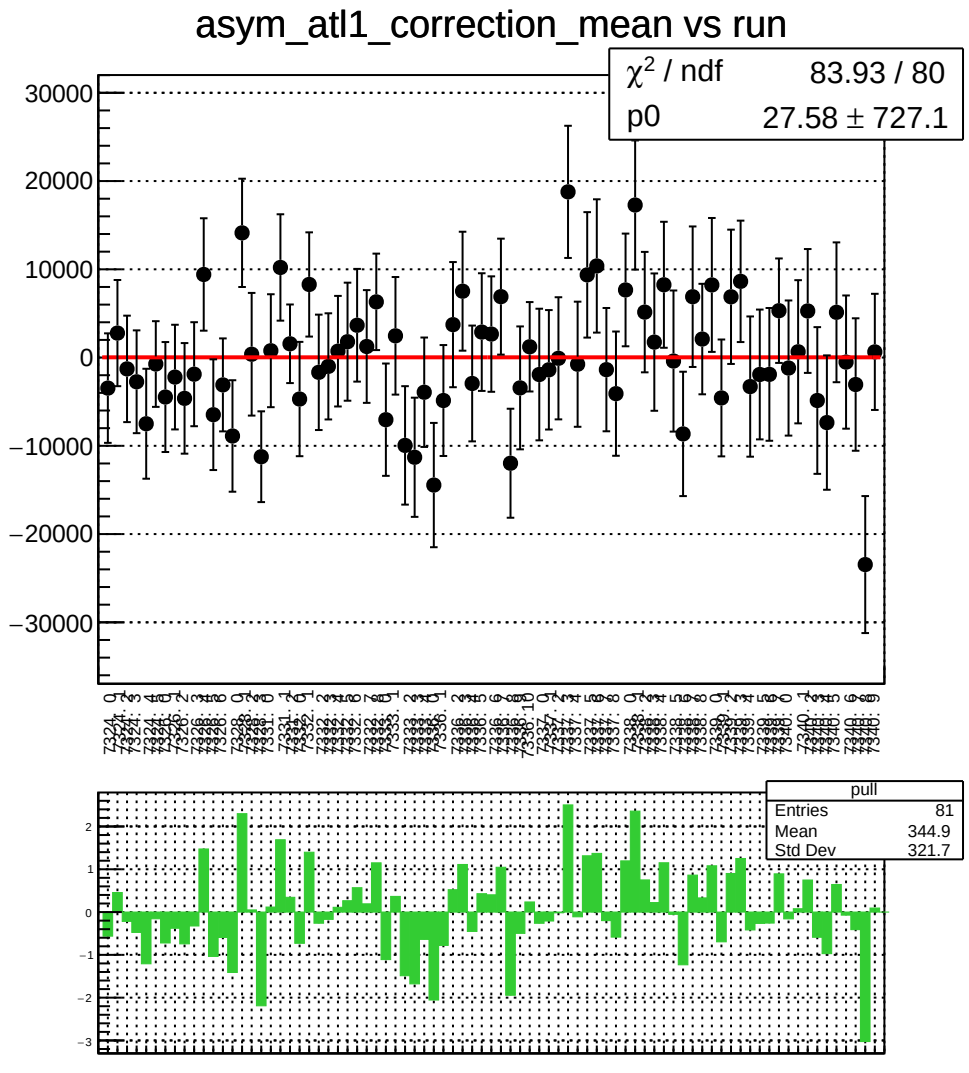

pull1D
Entries 81
Mean −0.001223
Std Dev 1.058

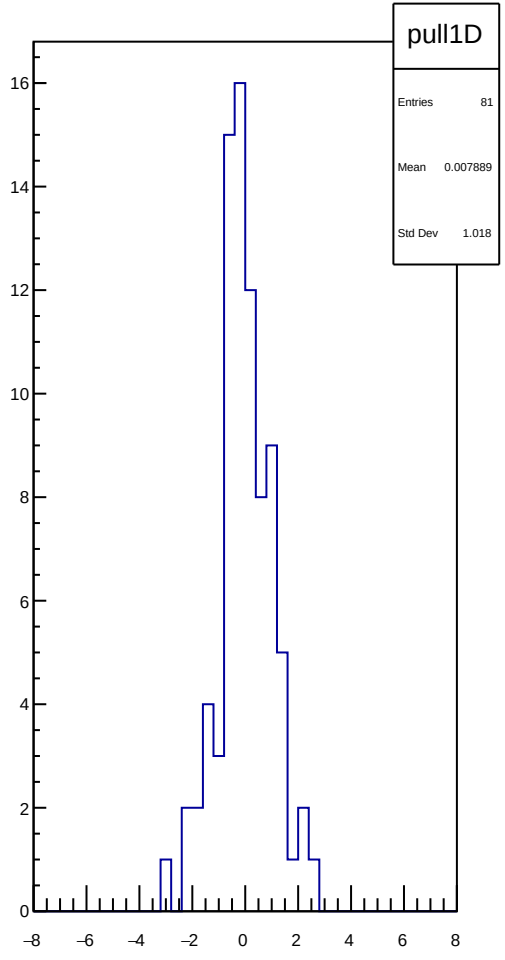

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.084e+04 / 80
p0 1398 ± 1.123
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

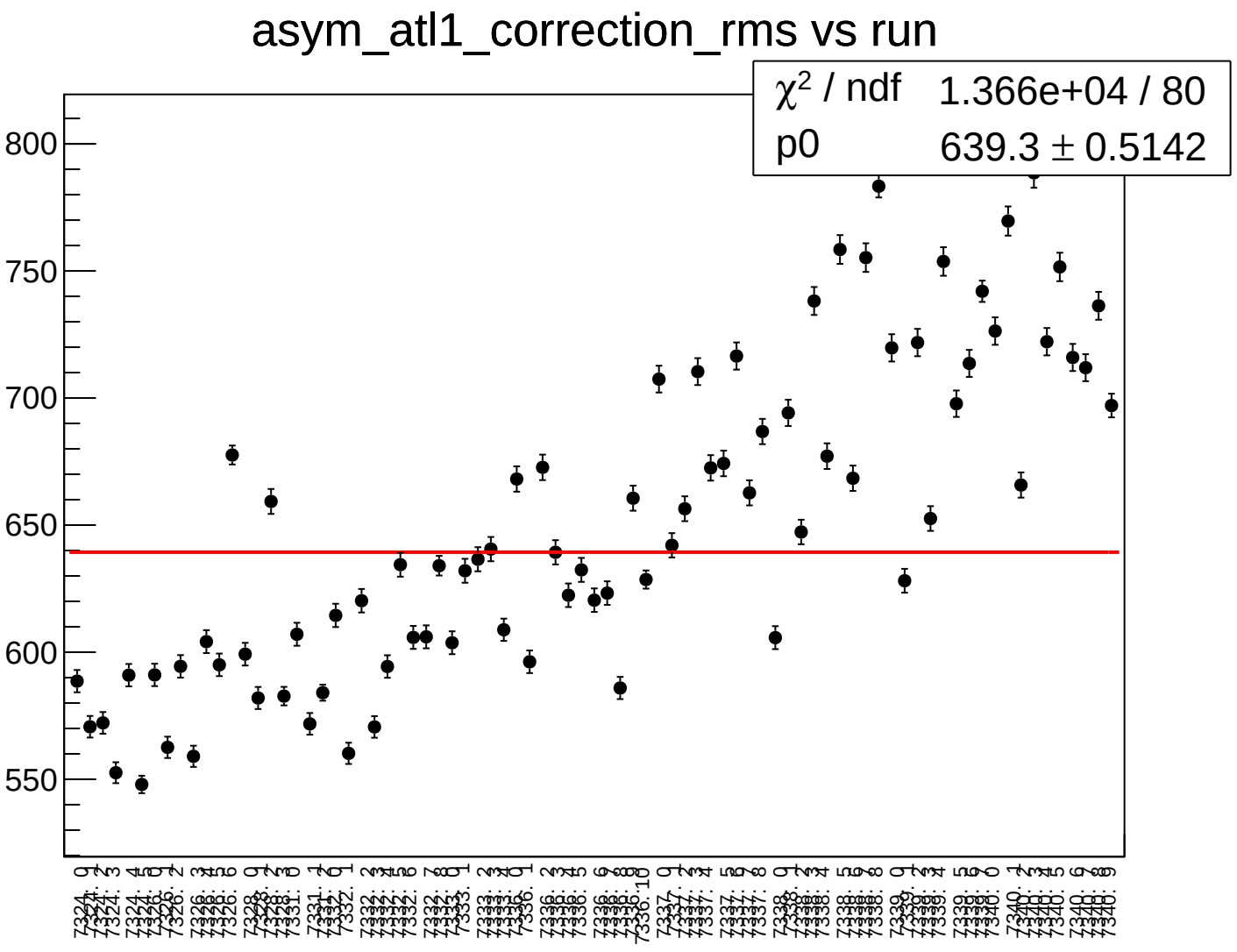

dit_asym_atl1_mean vs run
χ^2 / ndf 69.19 / 80
p0 −1234 ± 2708
×10^3
pull
Entries 81
Mean 24.81
Std Dev 11.65

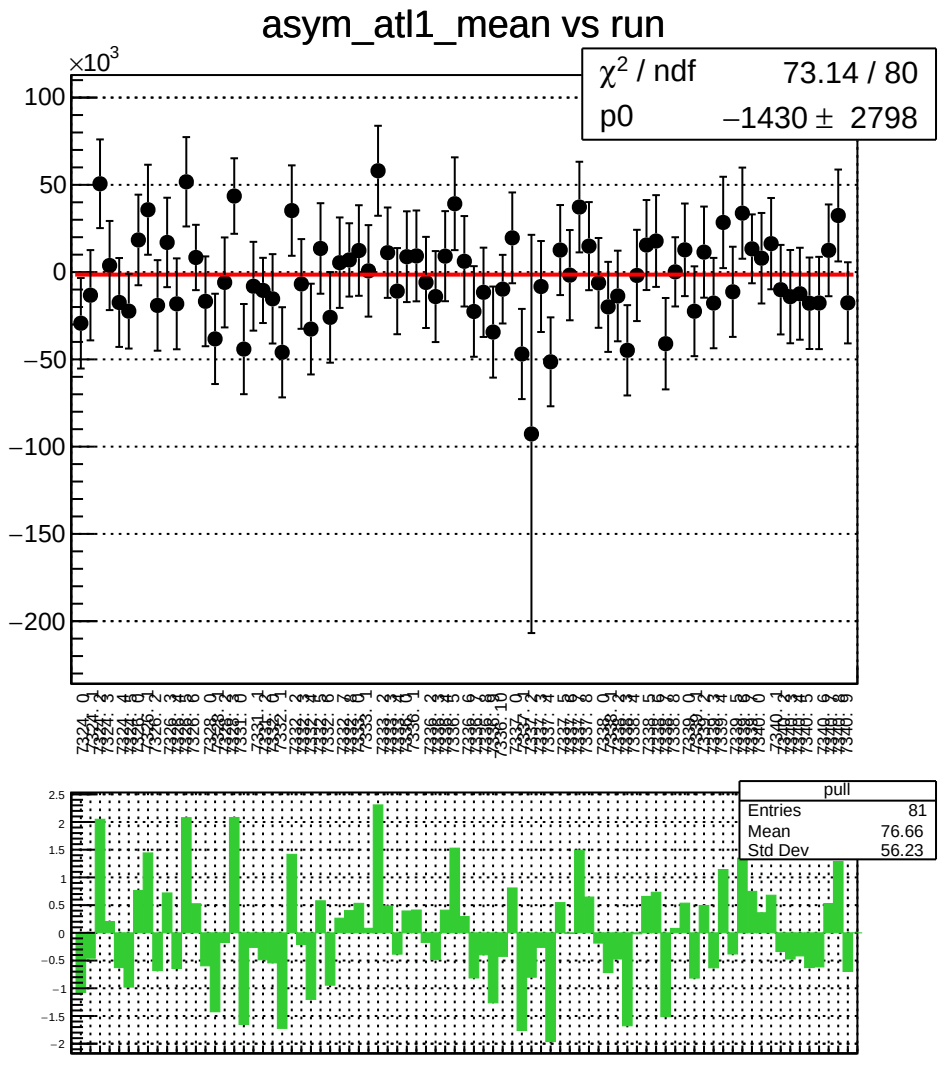

pull1D
Entries 81
Mean −0.01291
Std Dev 0.9241

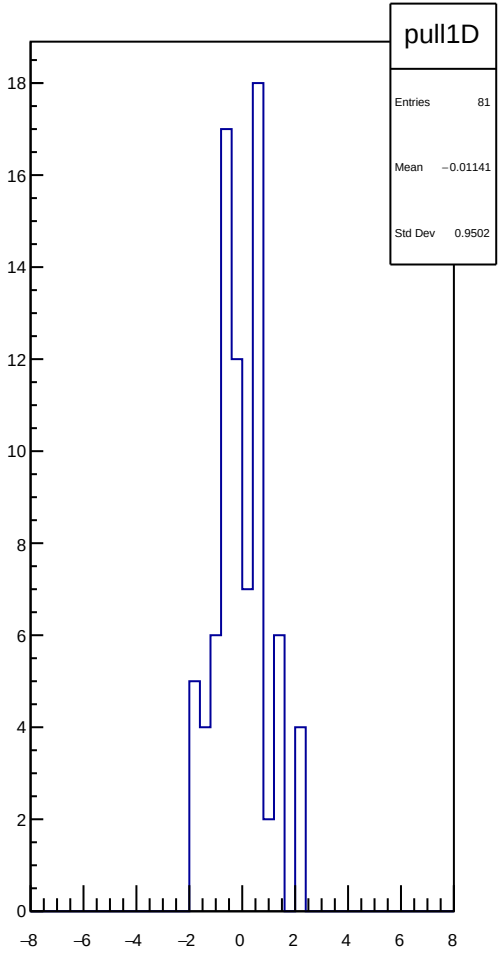

dit_asym_atl1_rms vs run
χ^2 / ndf 1.104e+04 / 80
p0 2383 ± 1.915
10000
8000
6000
4000
2000

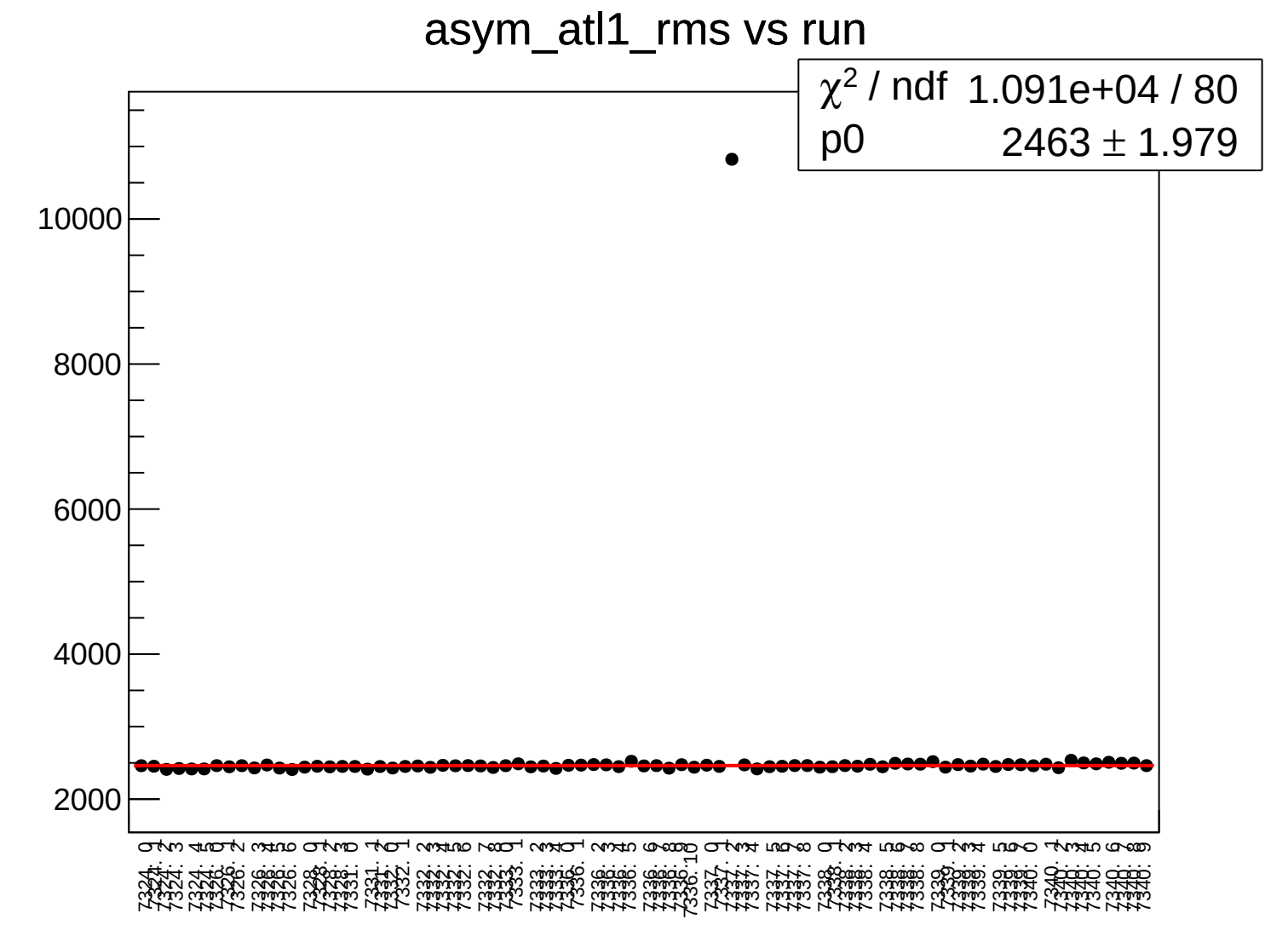

asym_atl1_correction_mean vs run
χ² / ndf 83.93 / 80
p0 27.58 ± 727.1
pull
Entries 81
Mean 344.9
Std Dev 321.7

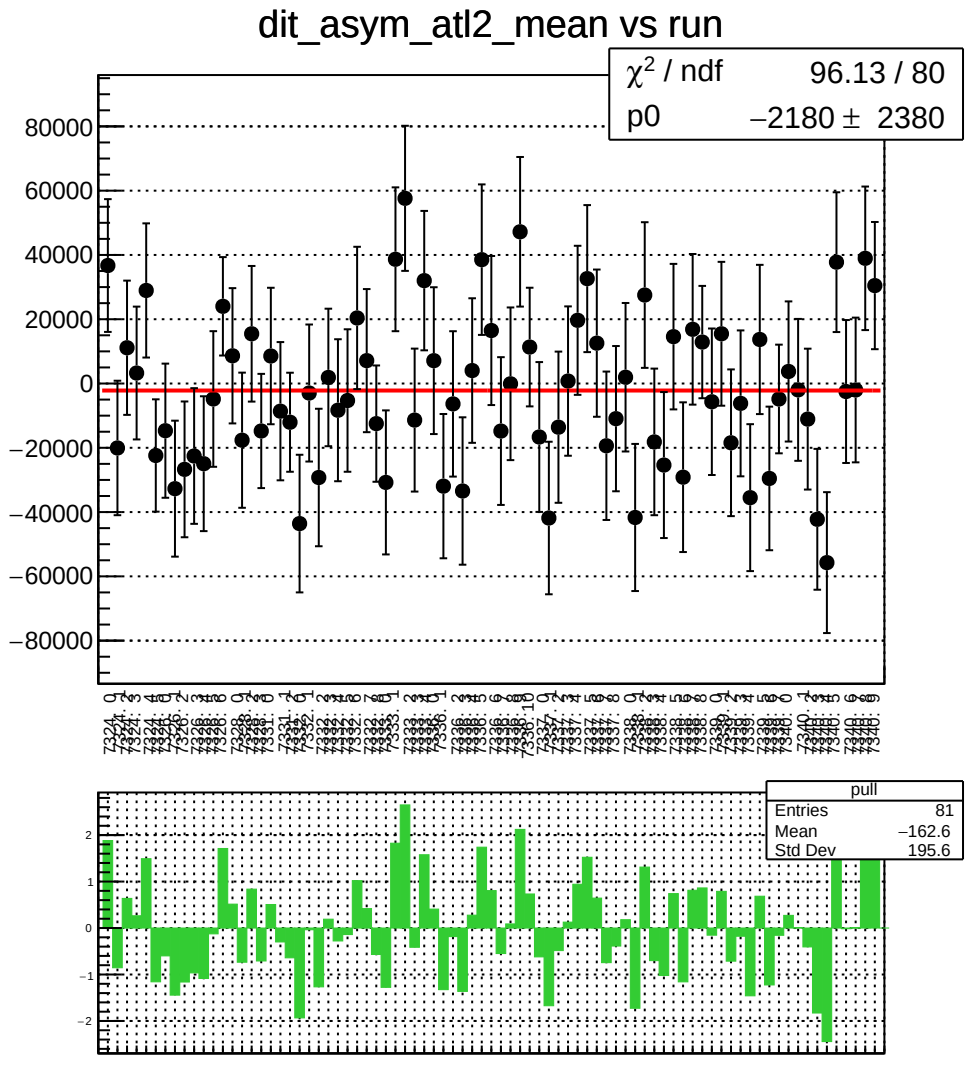

pull1D
Entries 81
Mean 0.007889
Std Dev 1.018

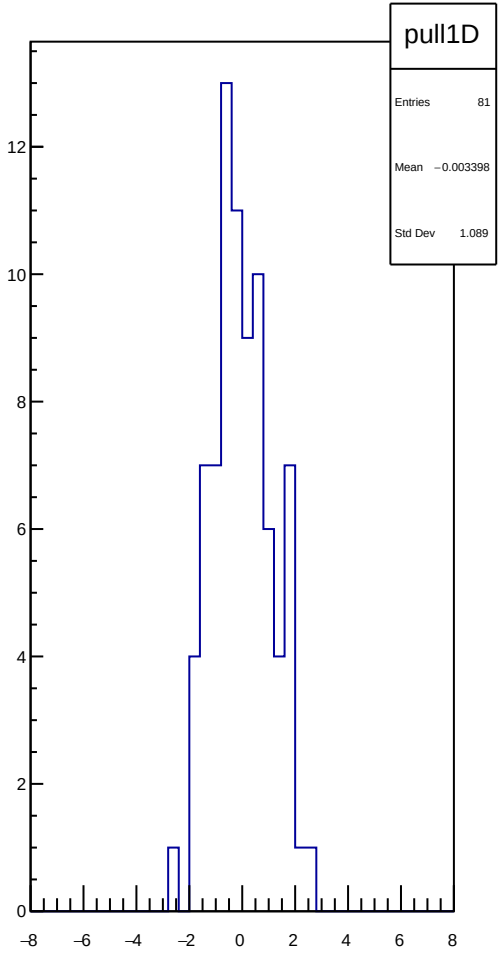

asym_atl1_correction_rms vs run
χ² / ndf 1.366e+04 / 80
p0 639.3 ± 0.5142
800
750
700
650
600
550

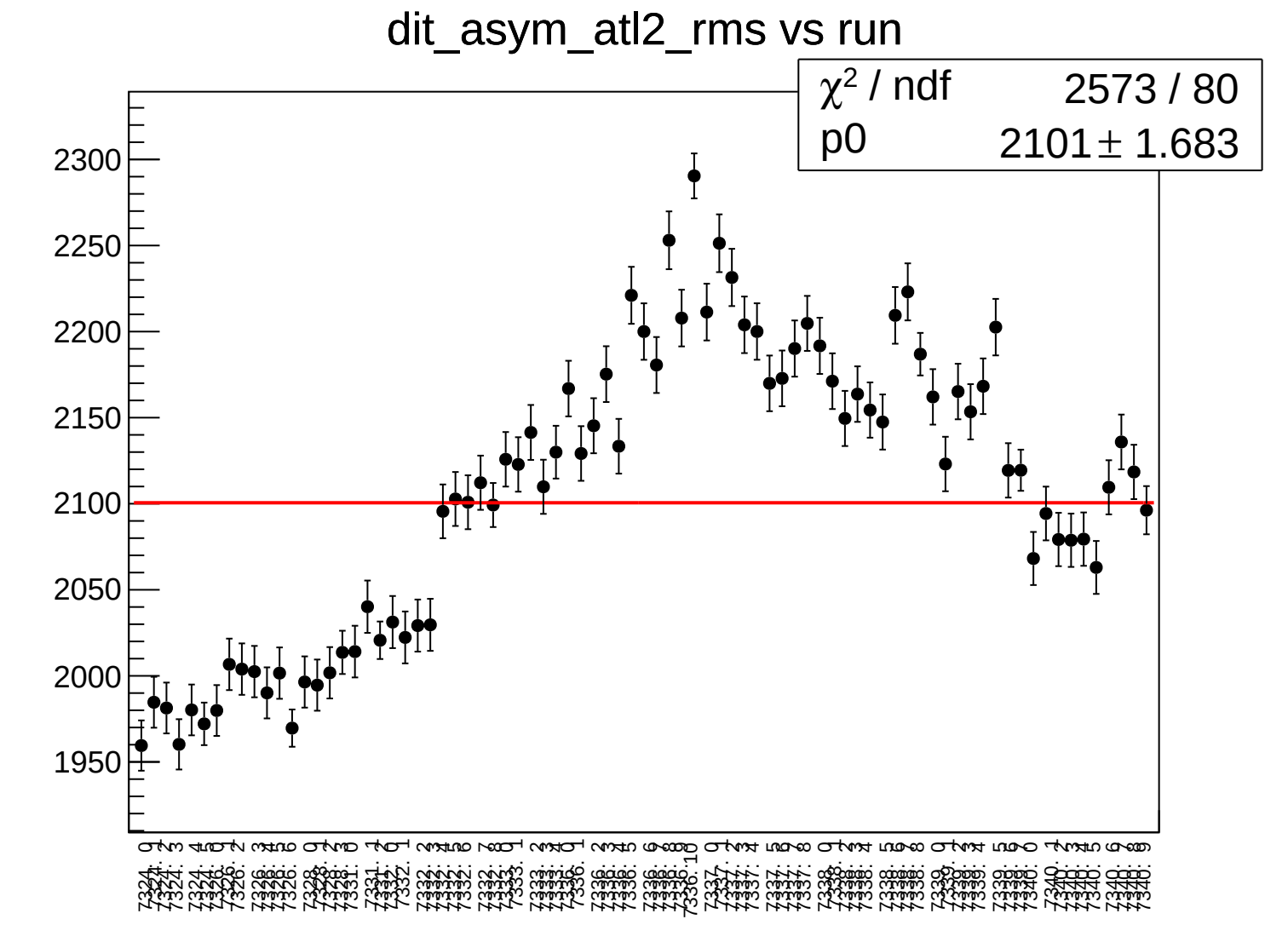

asym_atl1_mean vs run
×10^3
χ² / ndf 73.14 / 80
p0 −1430 ± 2798
pull
Entries 81
Mean 76.66
Std Dev 56.23

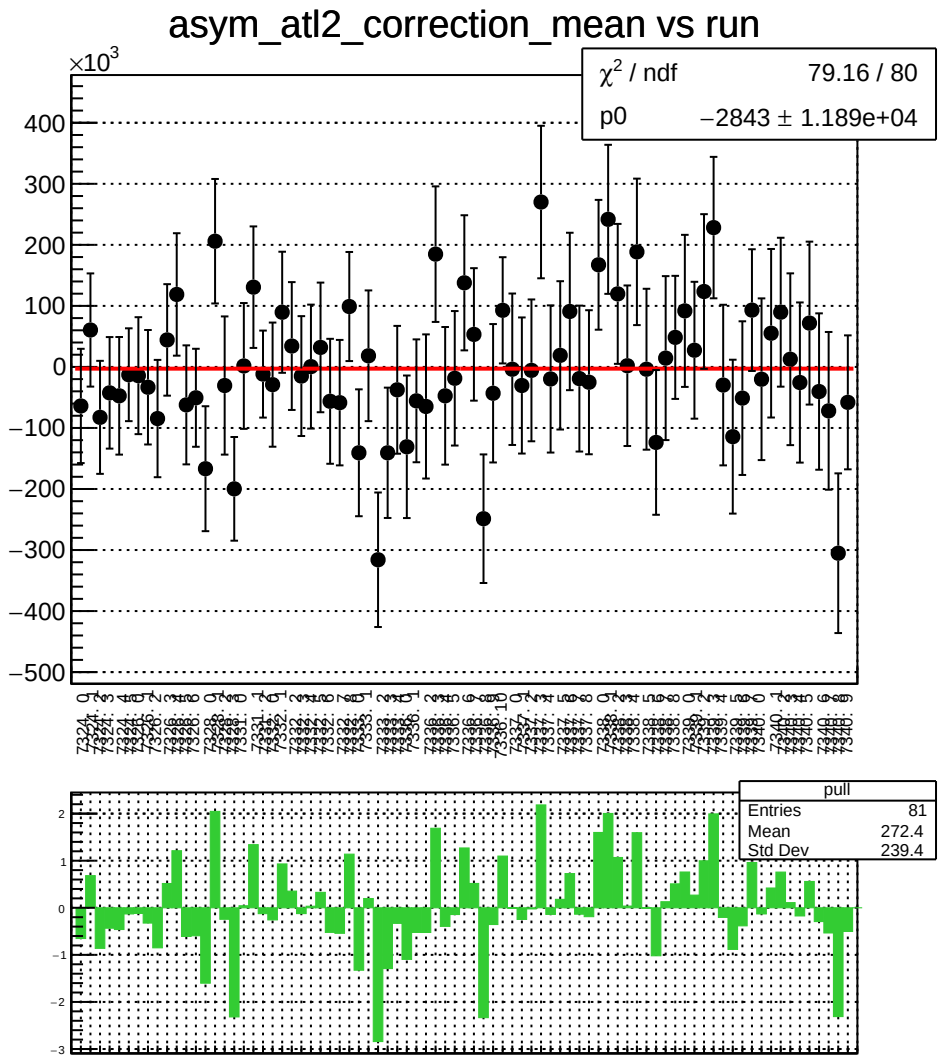

pull1D
Entries 81
Mean −0.01141
Std Dev 0.9502

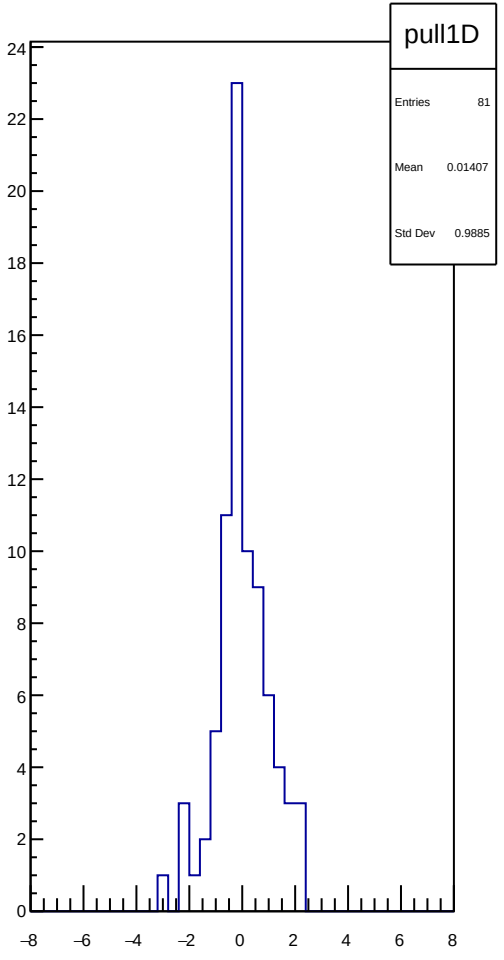

asym_atl1_rms vs run
χ² / ndf 1.091e+04 / 80
p0 2463 ± 1.979
10000
8000
6000
4000
2000


dit_asym_atl2_mean vs run
χ² / ndf 96.13 / 80
p0 −2180 ± 2380
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −162.6
Std Dev 195.6
2
1
0
−1
−2

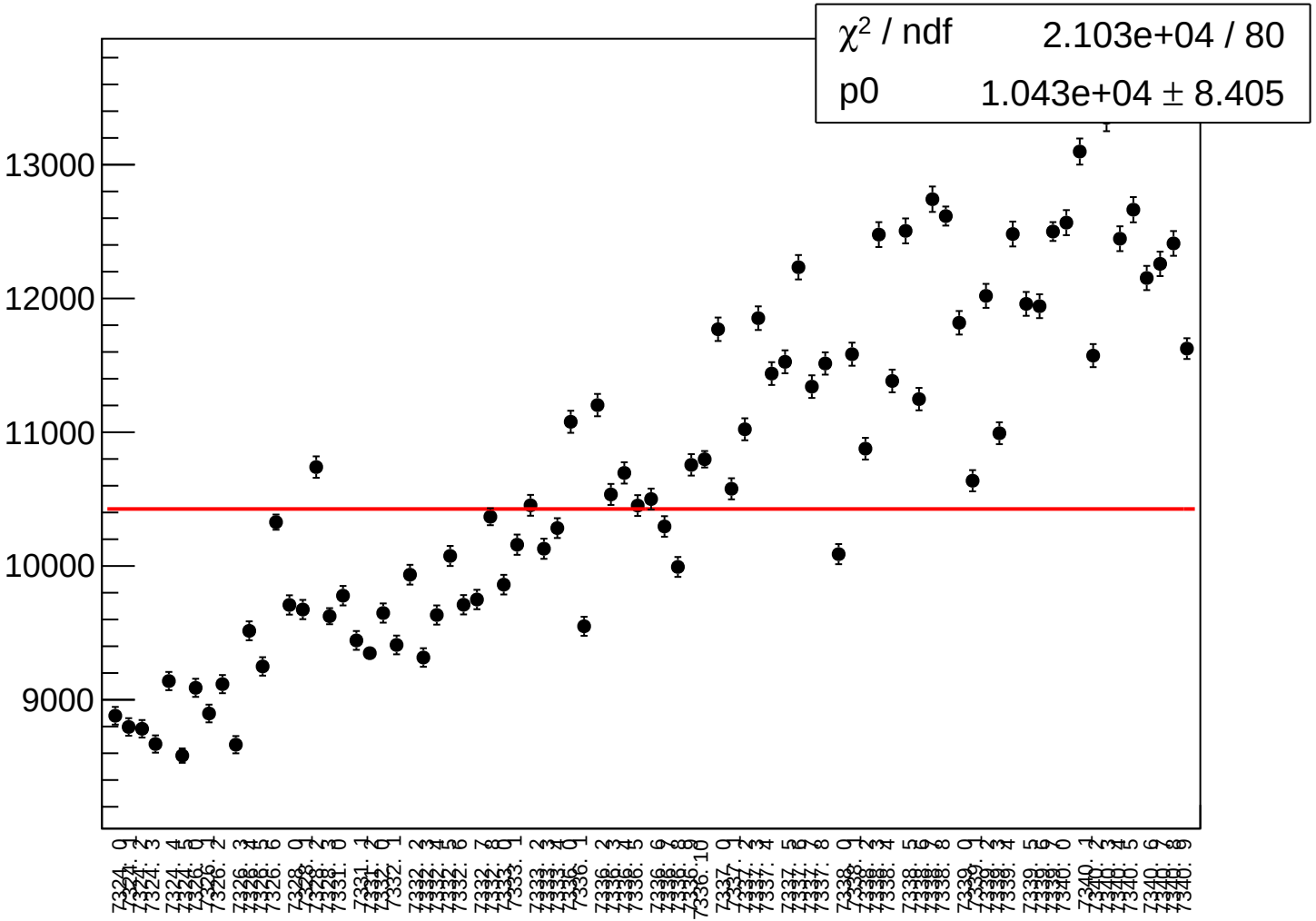

pull1D
Entries 81
Mean −0.003398
Std Dev 1.089
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

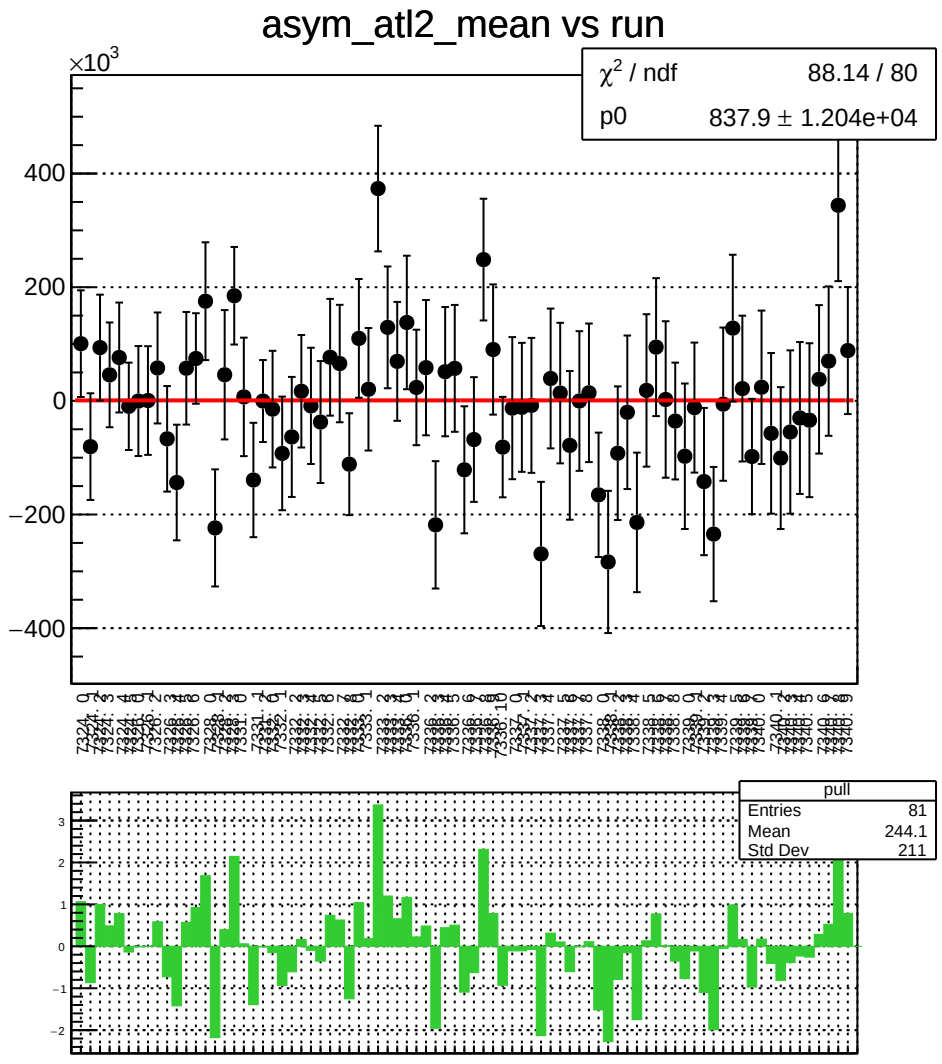

dit_asym_atl2_rms vs run
χ² / ndf 2573 / 80
p0 2101 ± 1.683
2300
2250
2200
2150
2100
2050
2000
1950

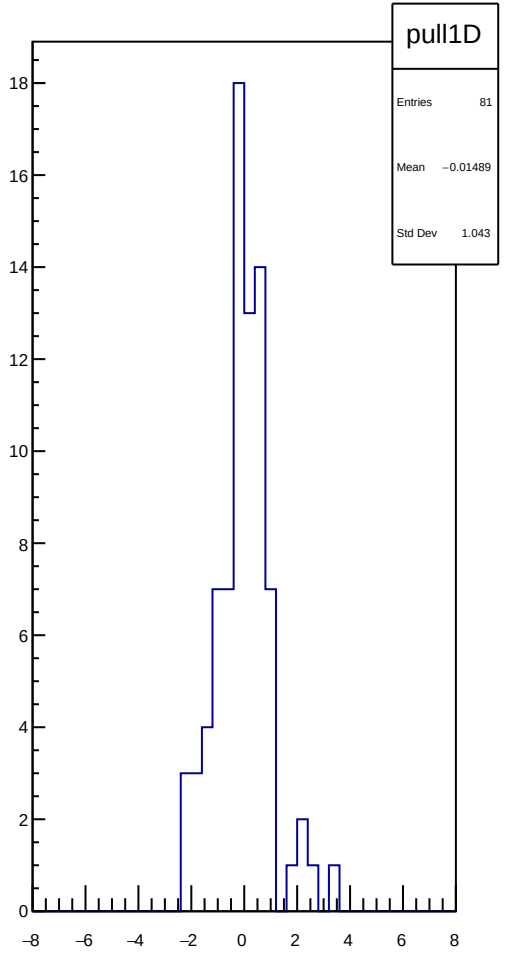

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 79.16 / 80
p0 −2843 ± 1.189e+04
pull
Entries 81
Mean 272.4
Std Dev 239.4

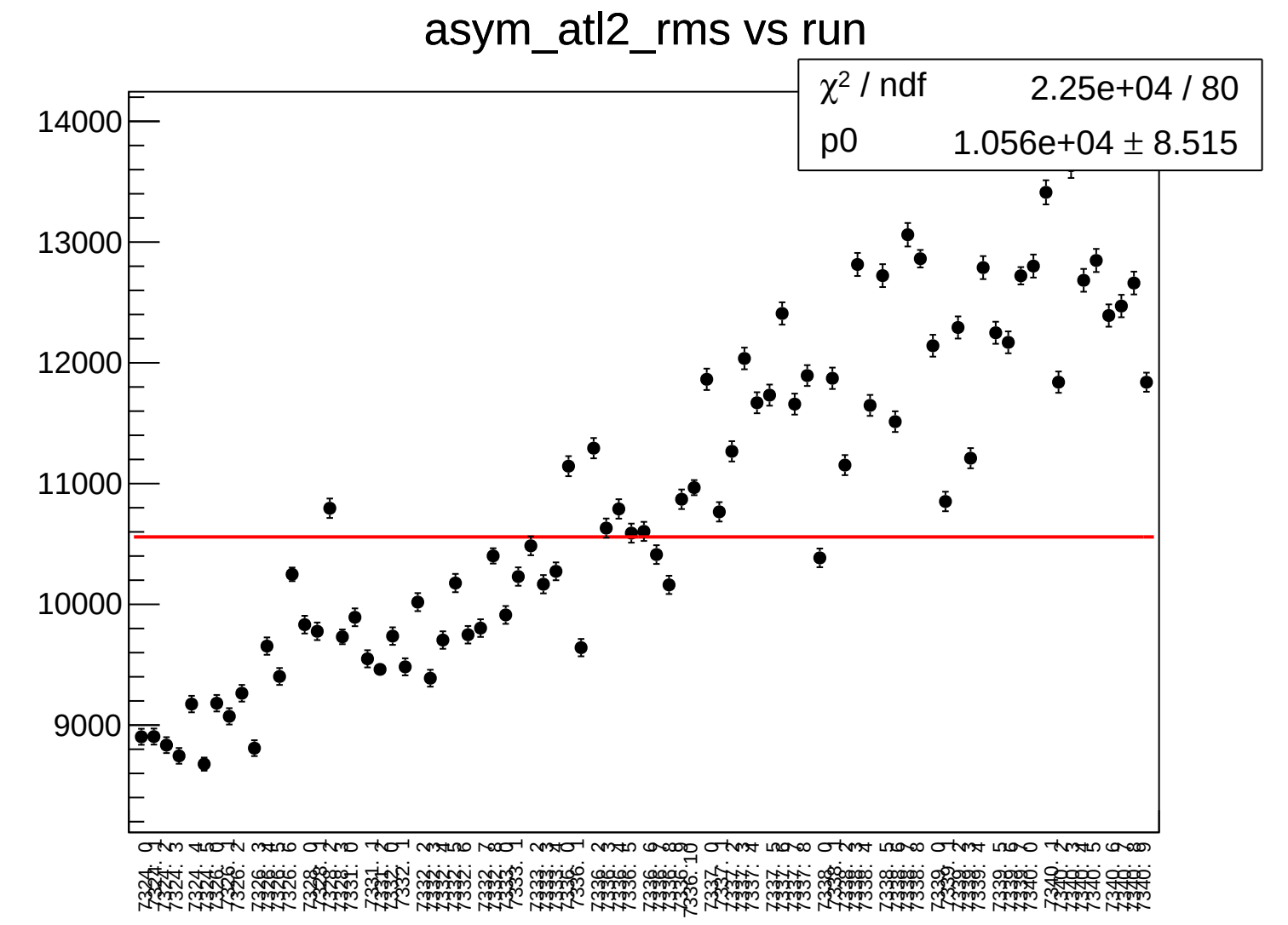

pull1D
Entries 81
Mean 0.01407
Std Dev 0.9885

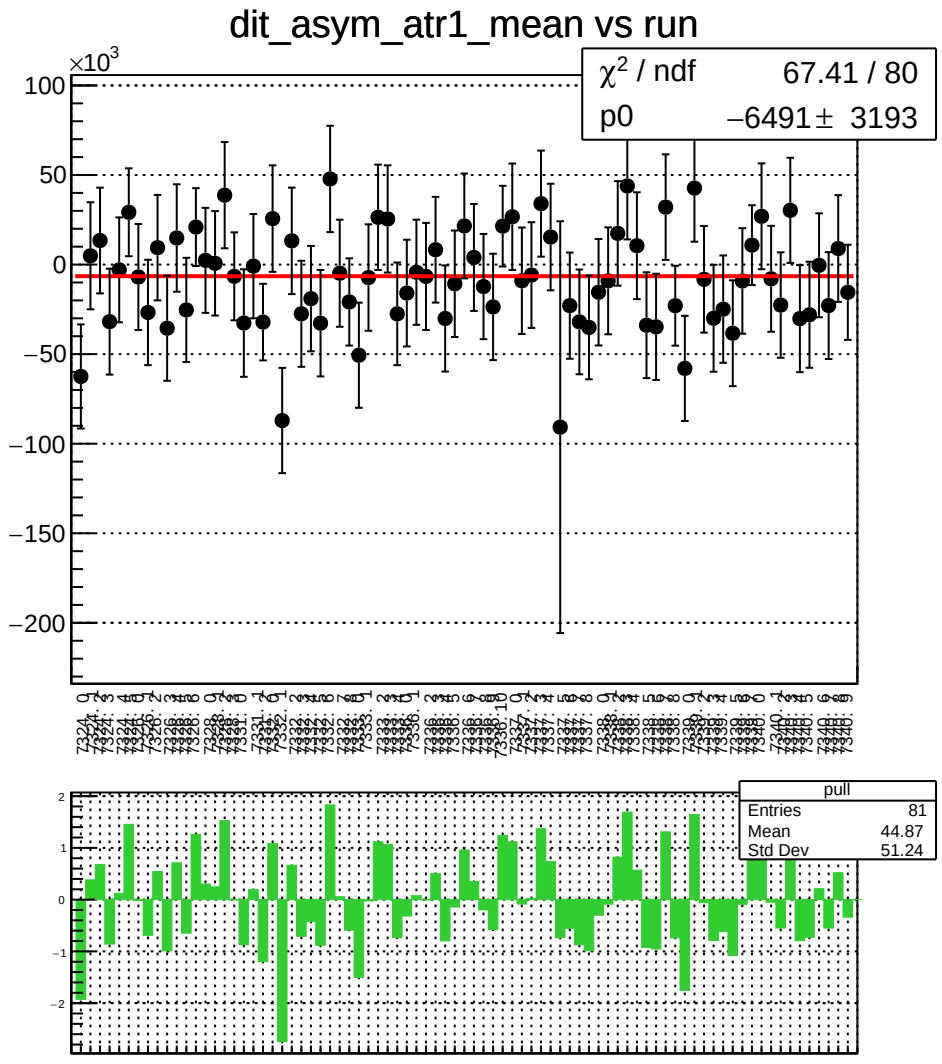
asym_atl2_correction_rms vs run

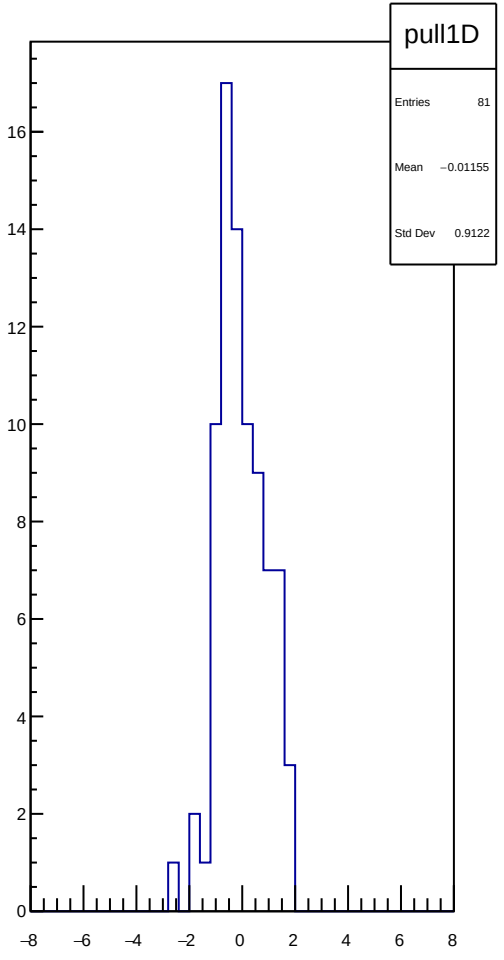


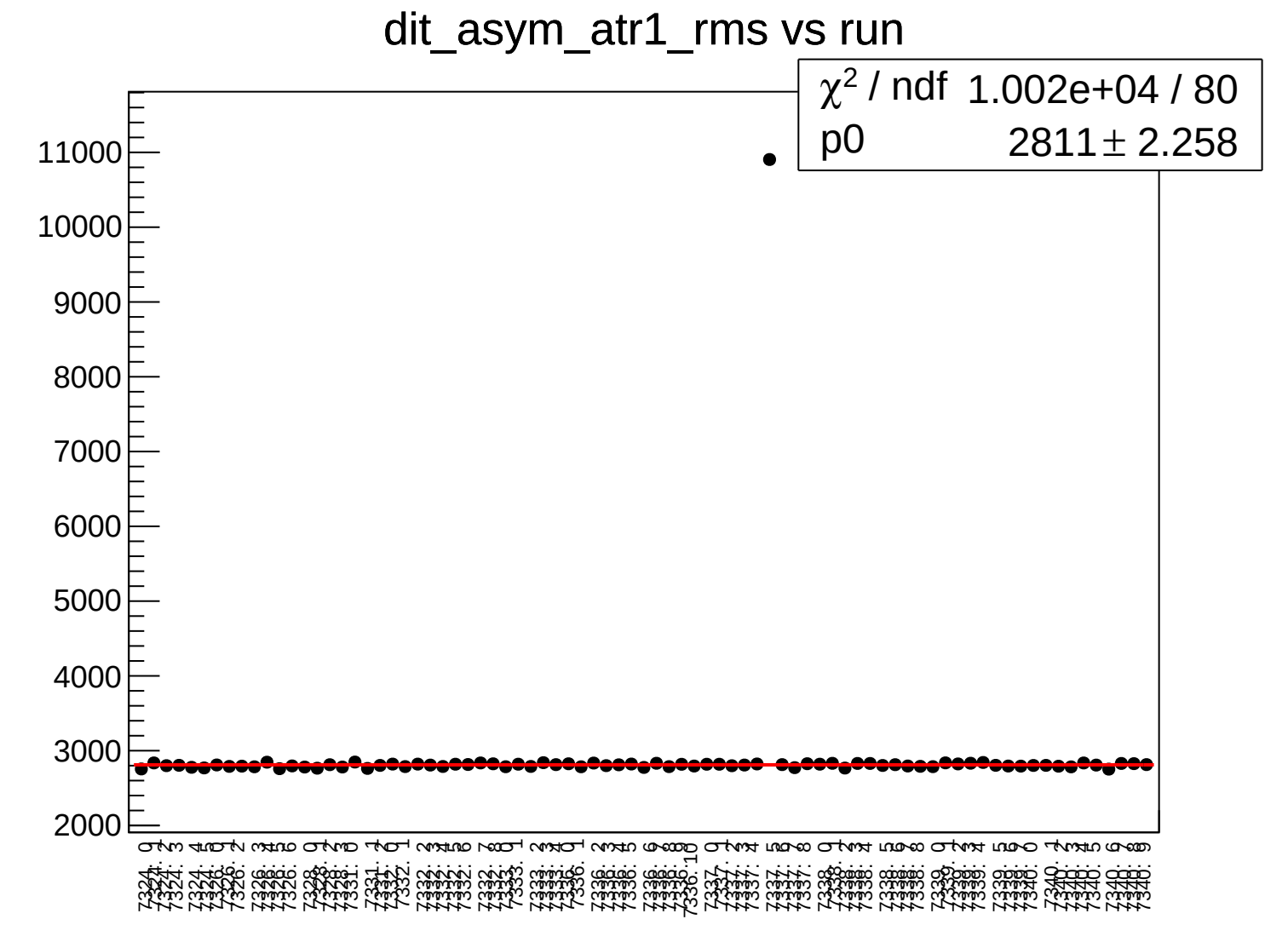

asym_atl2_mean vs run
×10^3
χ² / ndf 88.14 / 80
p0 837.9 ± 1.204e+04
400
200
0
−200
−400
pull
Entries 81
Mean 244.1
Std Dev 211
3
2
1
0
−1
−2

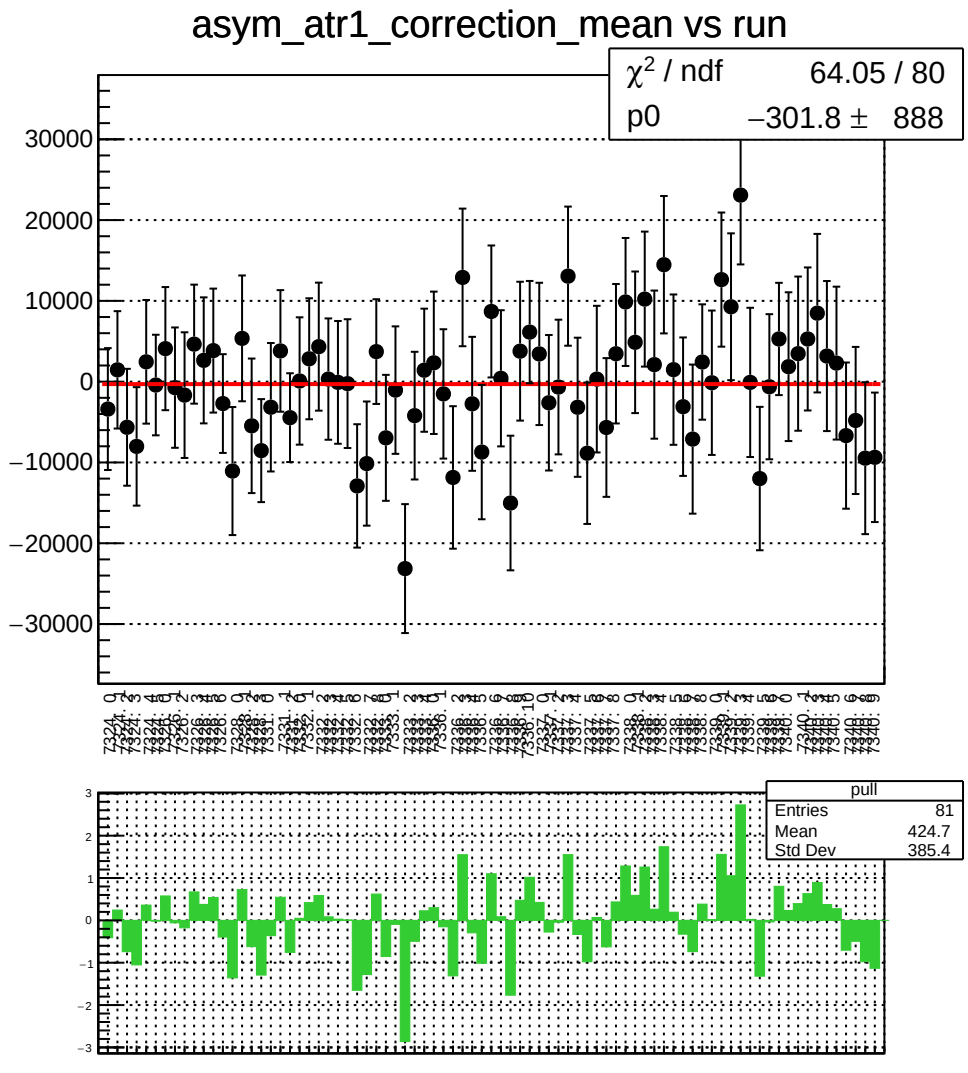

pull1D
Entries 81
Mean −0.01489
Std Dev 1.043
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

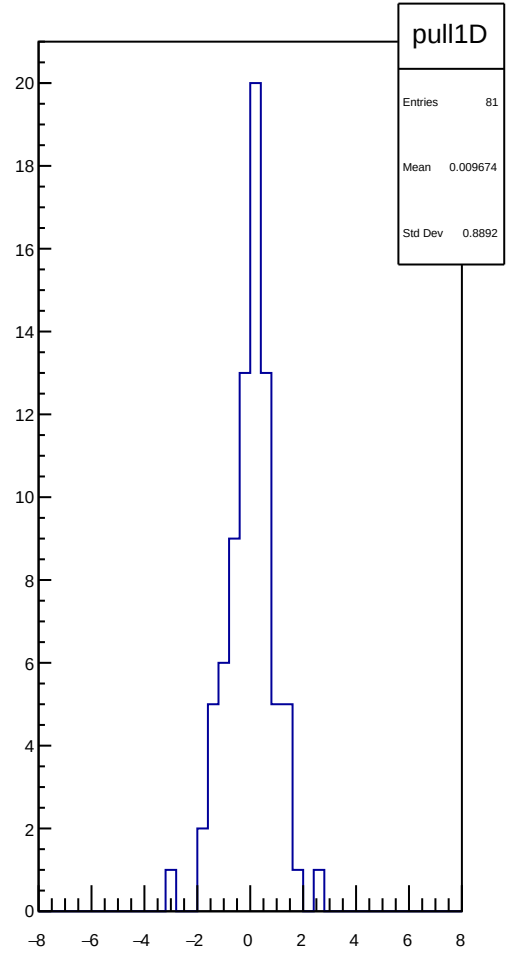

asym_atl2_rms vs run
χ^2 / ndf 2.25e+04 / 80
p0 1.056e+04 ± 8.515
14000
13000
12000
11000
10000
9000

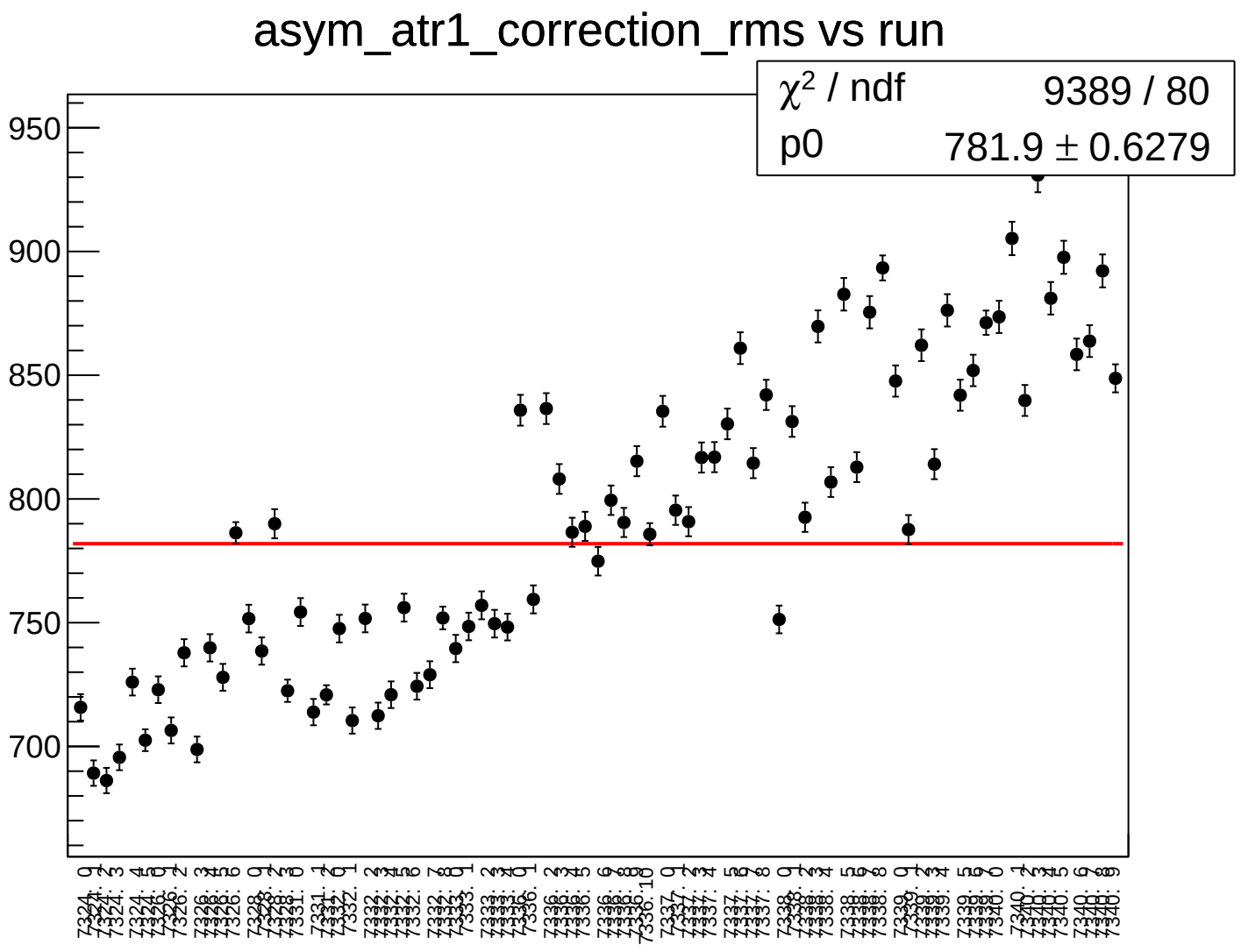

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 67.41 / 80
p0 −6491 ± 3193
pull
Entries 81
Mean 44.87
Std Dev 51.24

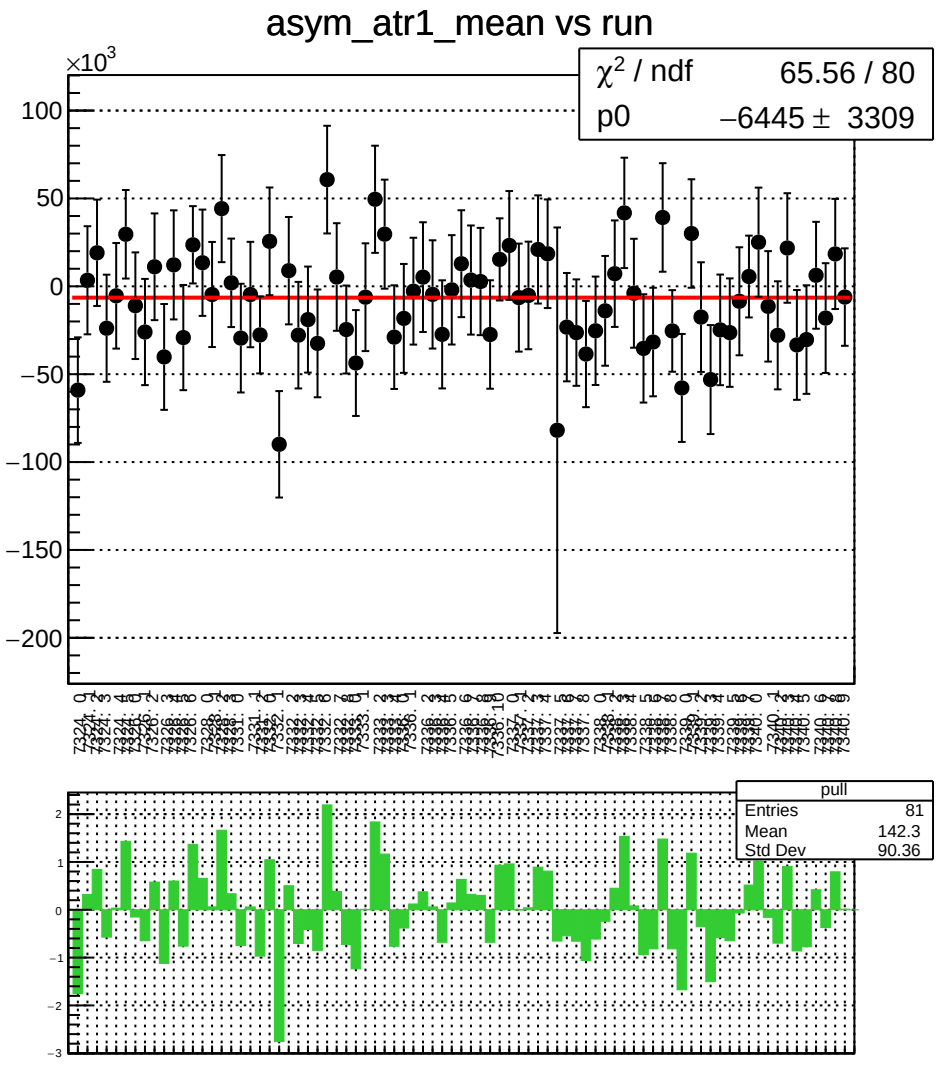

pull1D
Entries 81
Mean −0.01155
Std Dev 0.9122

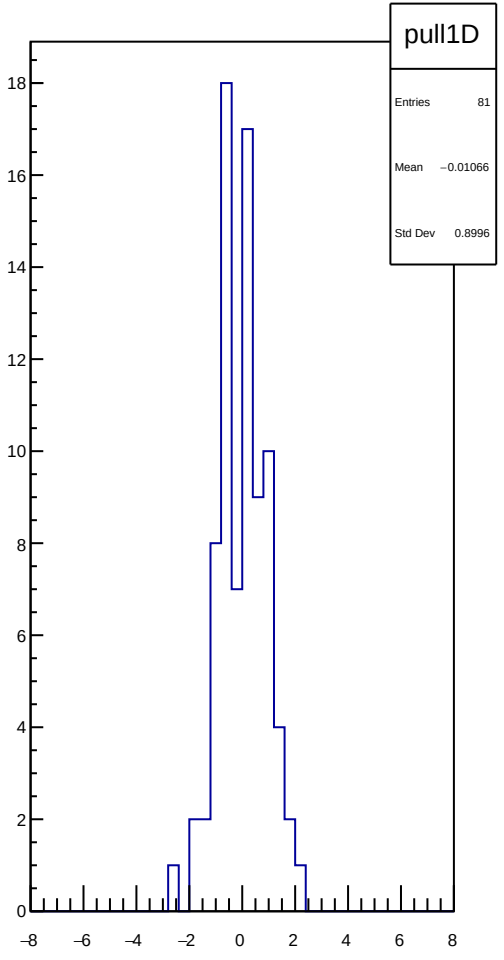

dit_asym_atr1_rms vs run
χ² / ndf 1.002e+04 / 80
p0 2811 ± 2.258
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

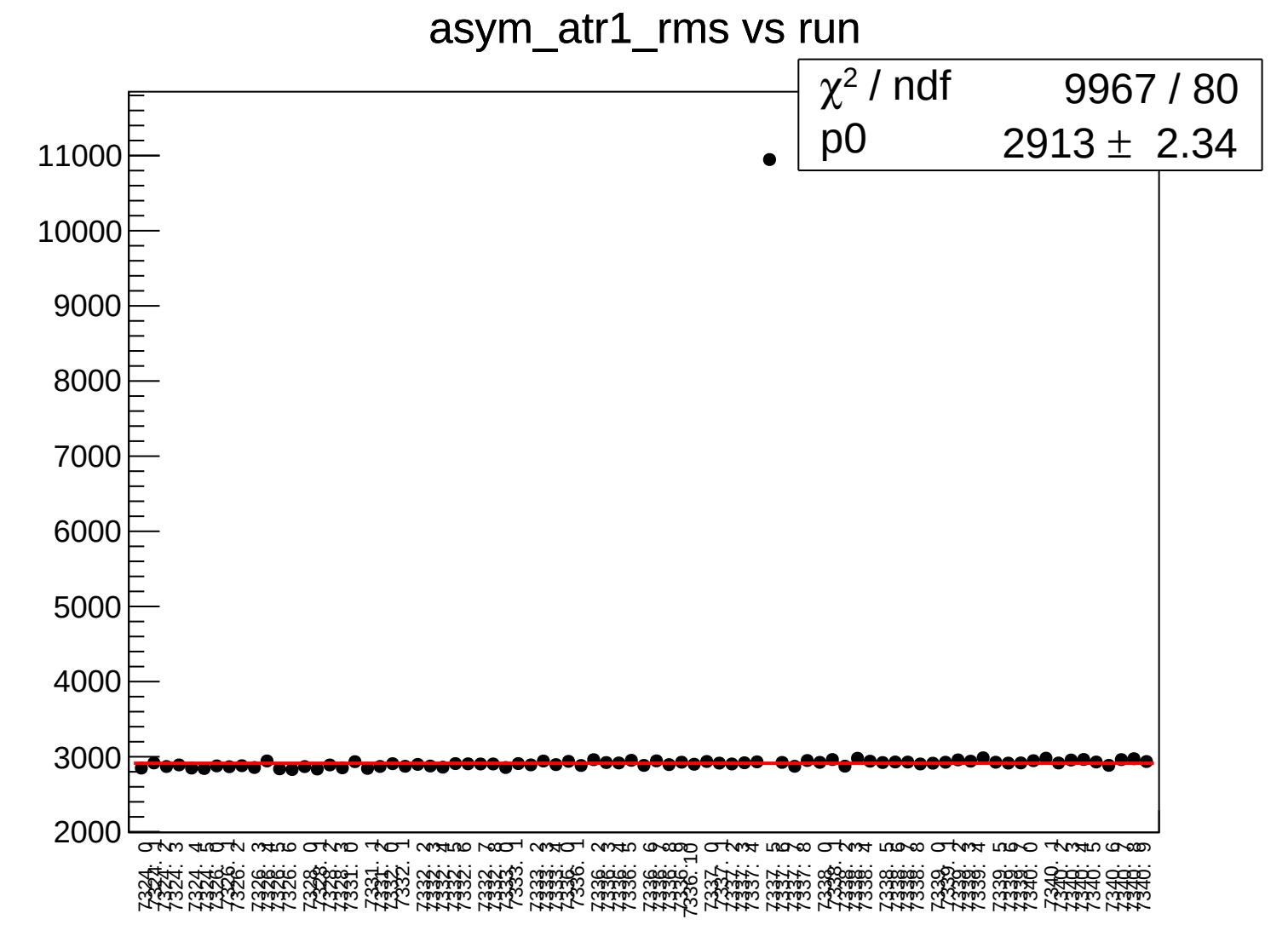

asym_atr1_correction_mean vs run
χ² / ndf 64.05 / 80
p0 −301.8 ± 888
pull
Entries 81
Mean 424.7
Std Dev 385.4

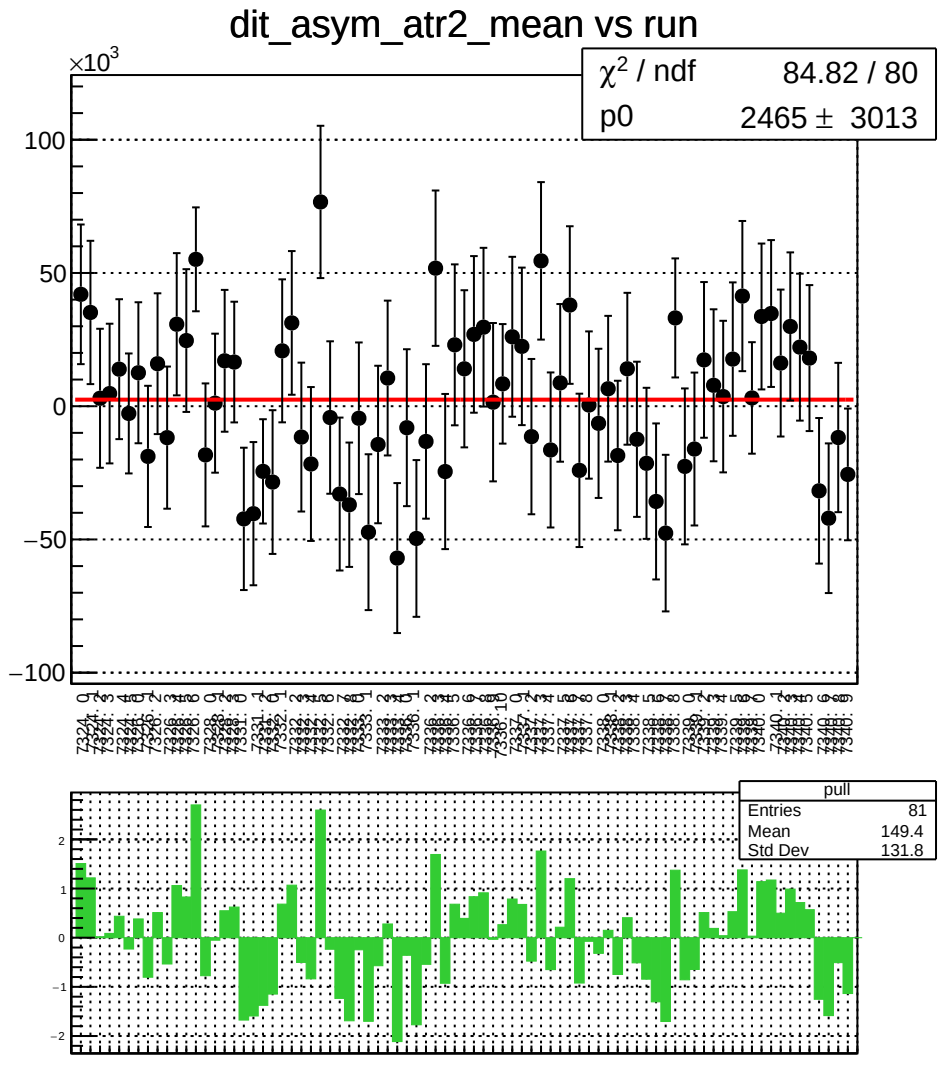

pull1D
Entries 81
Mean 0.009674
Std Dev 0.8892

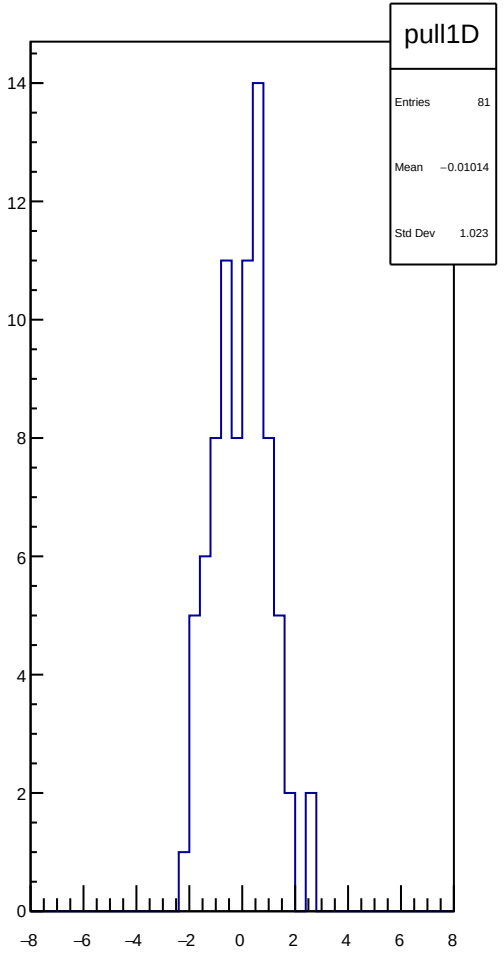

asym_atr1_correction_rms vs run
χ² / ndf 9389 / 80
p0 781.9 ± 0.6279
950
900
850
800
750
700

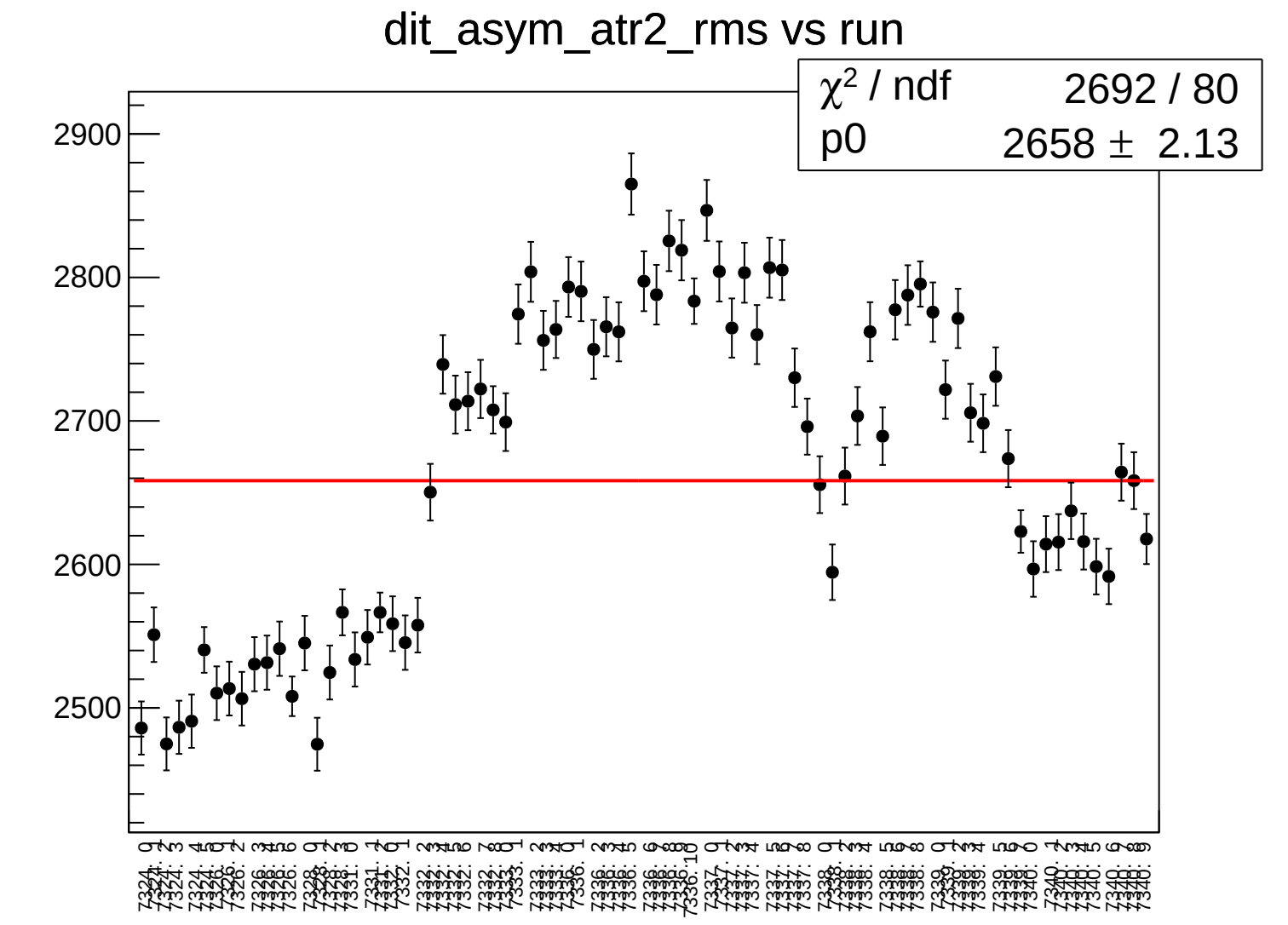

asym_atr1_mean vs run
×10^3
χ² / ndf 65.56 / 80
p0 −6445 ± 3309
pull
Entries 81
Mean 142.3
Std Dev 90.36

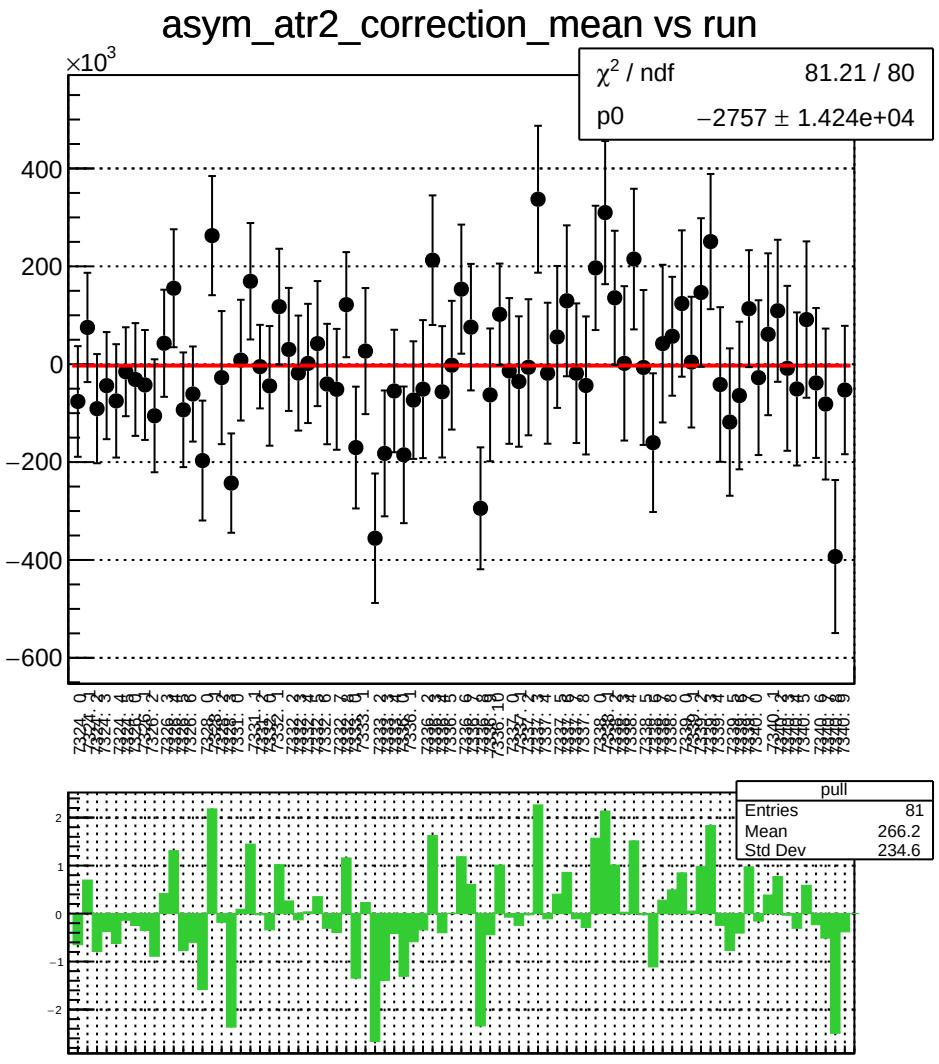

pull1D
Entries 81
Mean −0.01066
Std Dev 0.8996

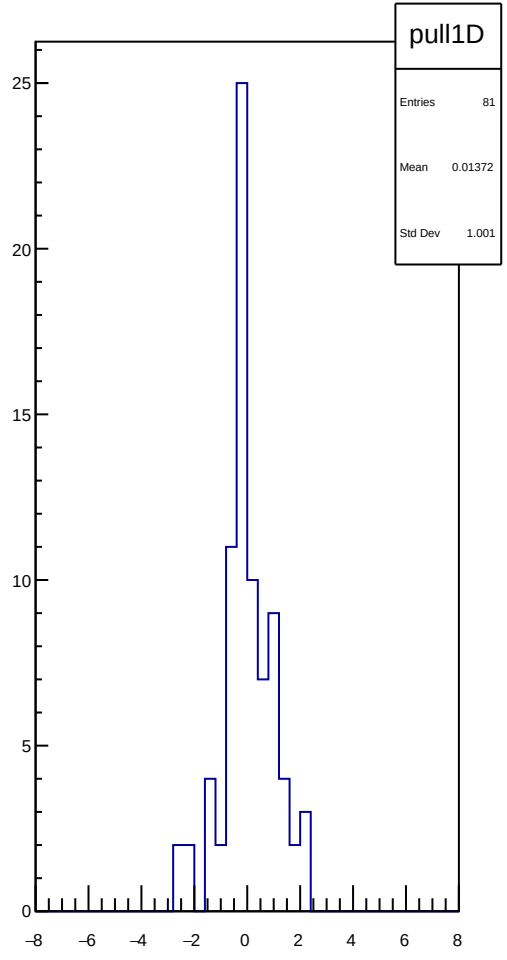

asym_atr1_rms vs run
χ^2 / ndf 9967 / 80
p0 2913 ± 2.34
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

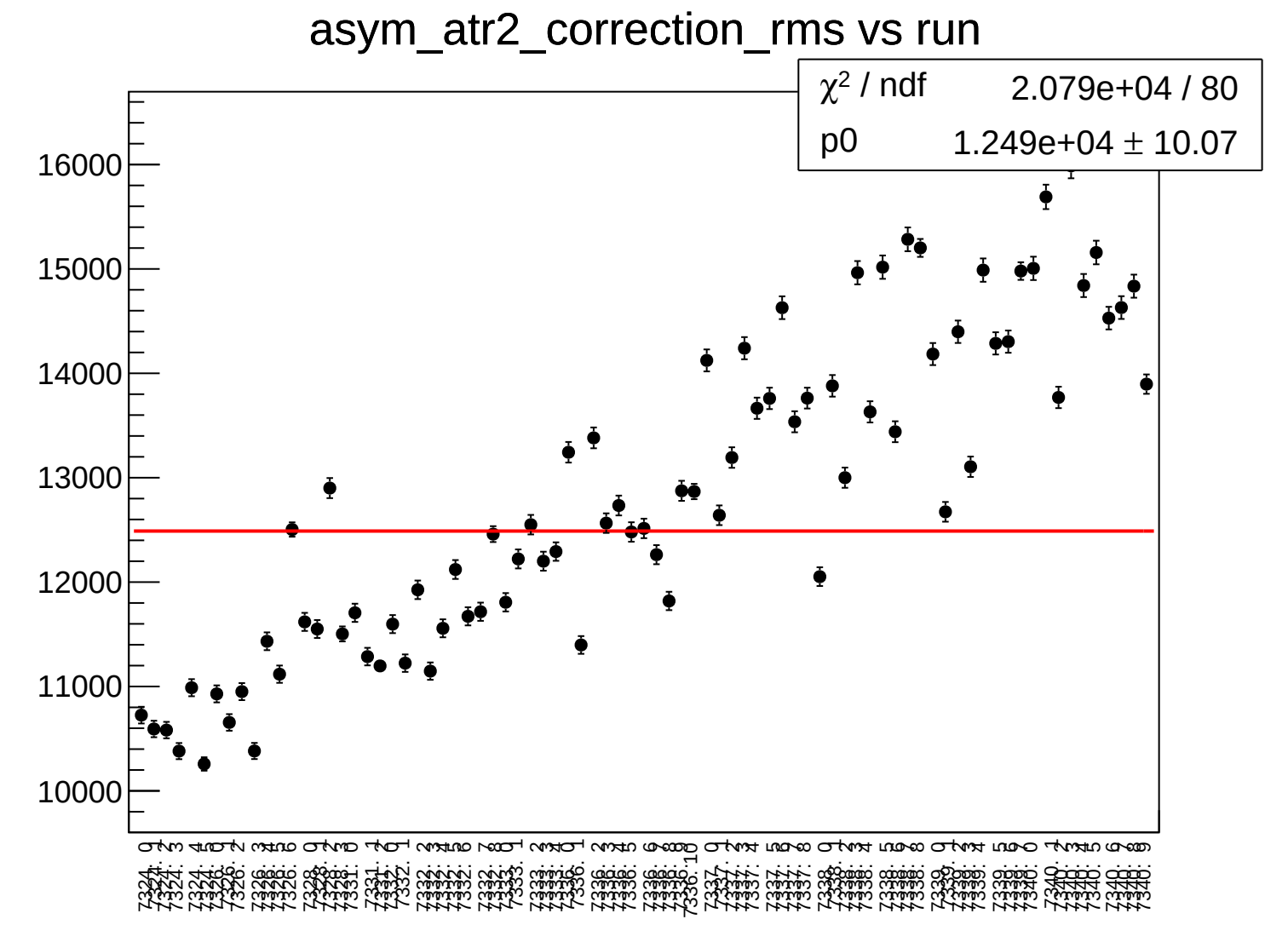

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 84.82 / 80
p0 2465 ± 3013
100
50
0
−50
−100
pull
Entries 81
Mean 149.4
Std Dev 131.8
2
1
0
−1
−2

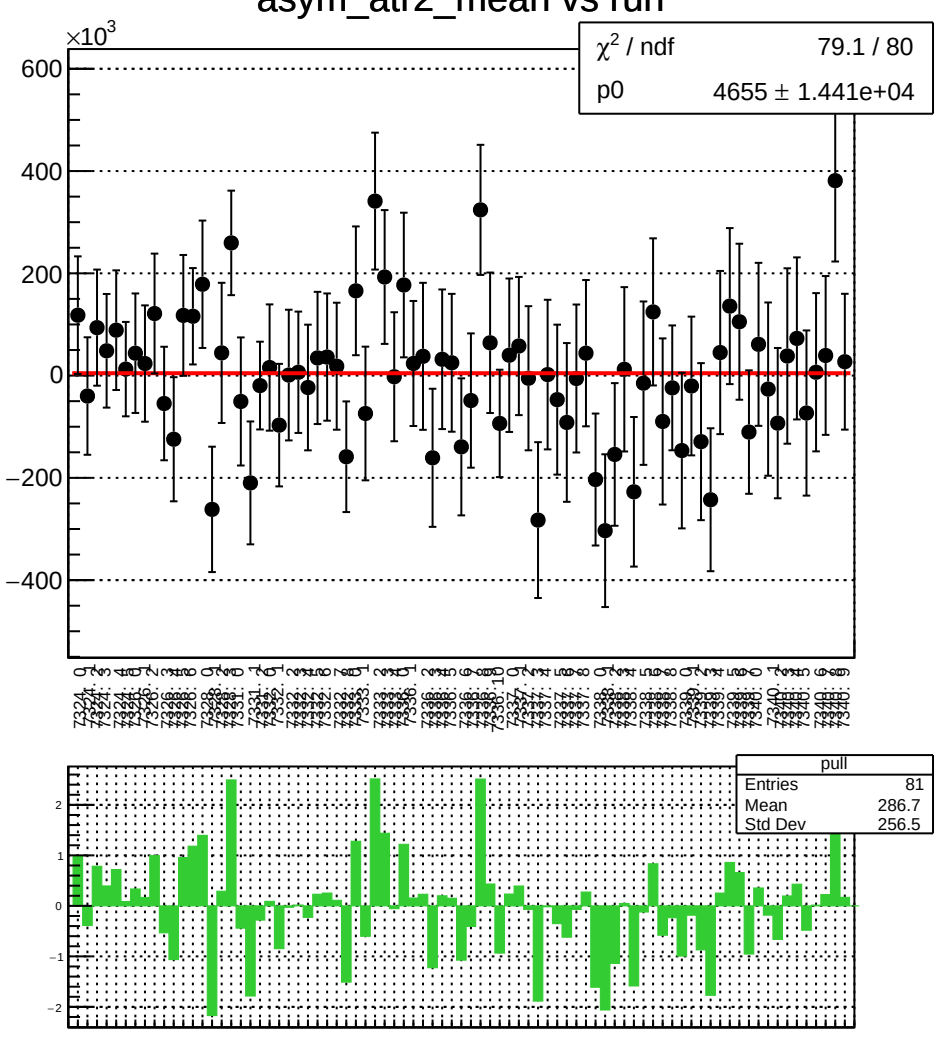

pull1D
Entries 81
Mean −0.01014
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

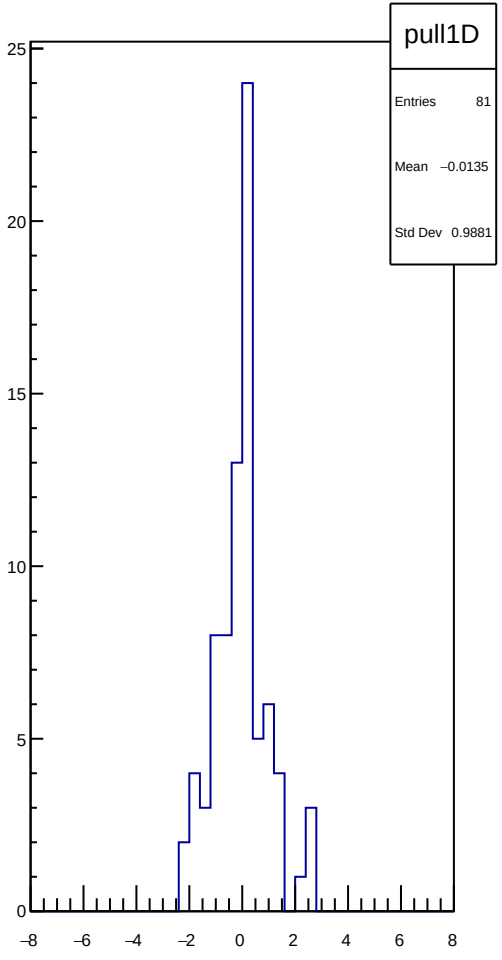

dit_asym_atr2_rms vs run
χ² / ndf 2692 / 80
p0 2658 ± 2.13
2900
2800
2700
2600
2500

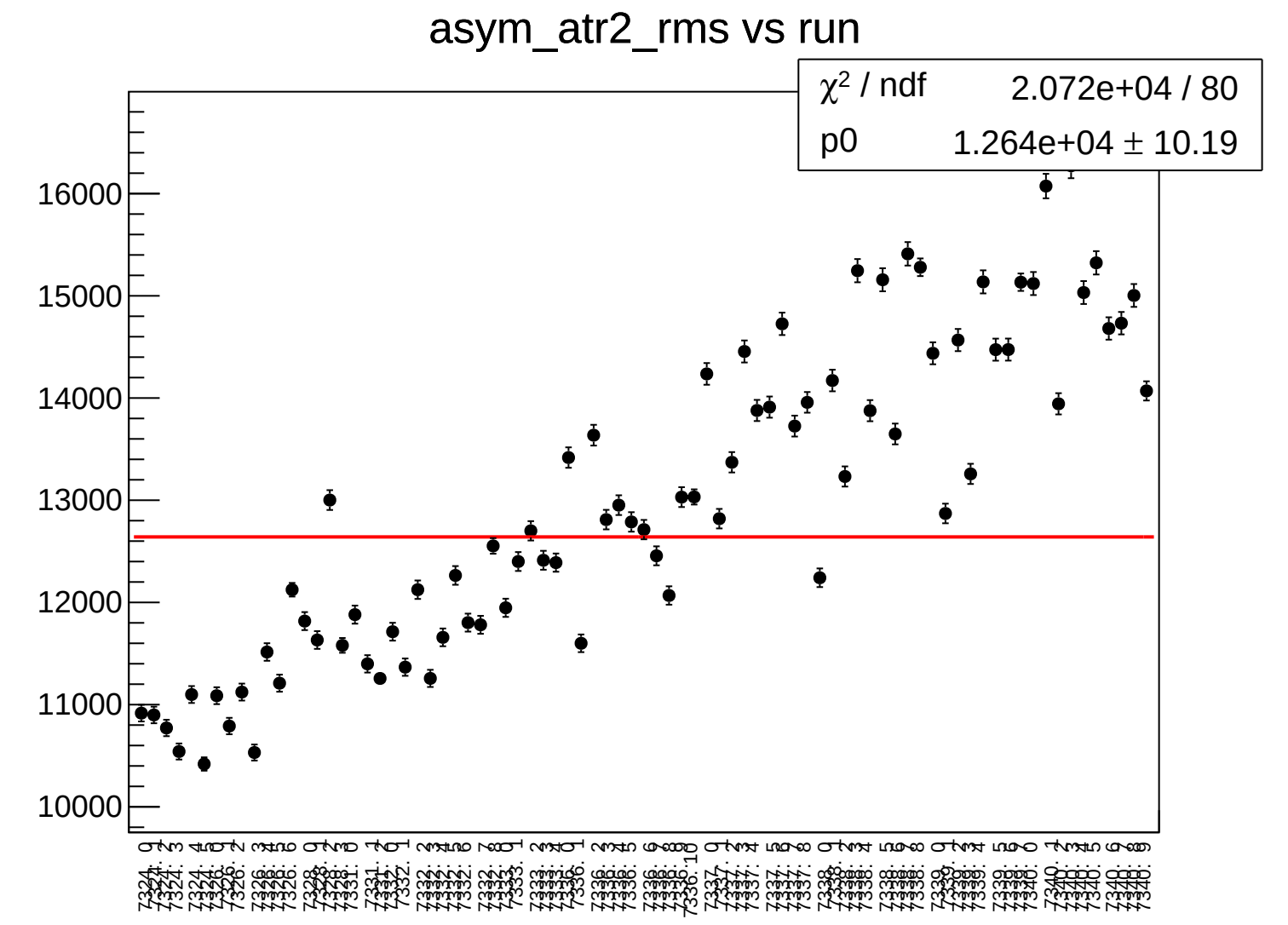

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 81.21 / 80
p0 −2757 ± 1.424e+04
400
200
0
−200
−400
−600
pull
Entries 81
Mean 266.2
Std Dev 234.6
2
1
0
−1
−2

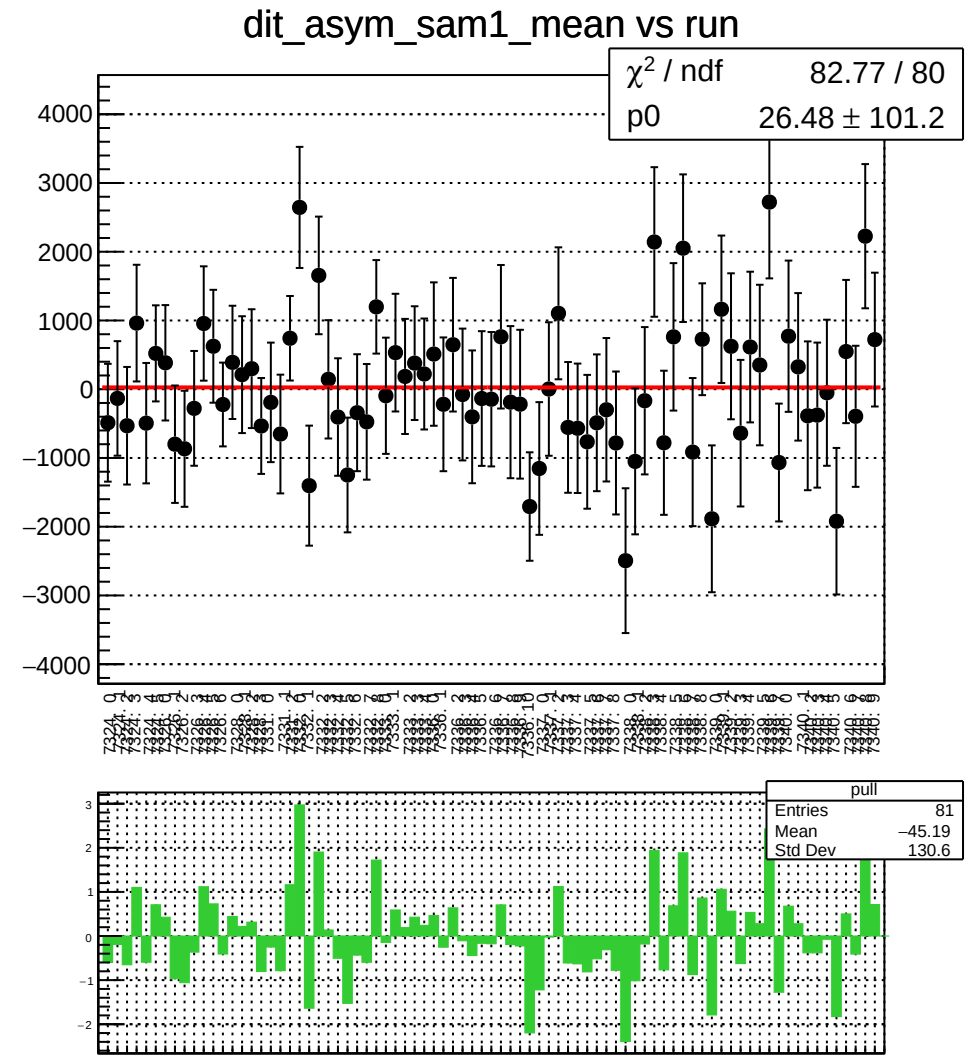

pull1D
Entries 81
Mean 0.01372
Std Dev 1.001
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

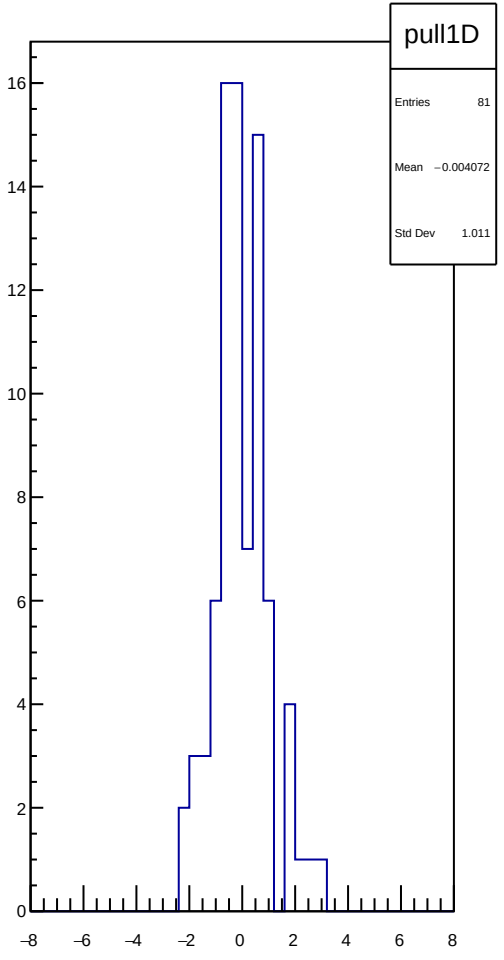

asym_atr2_correction_rms vs run
χ² / ndf 2.079e+04 / 80
p0 1.249e+04 ± 10.07
16000
15000
14000
13000
12000
11000
10000

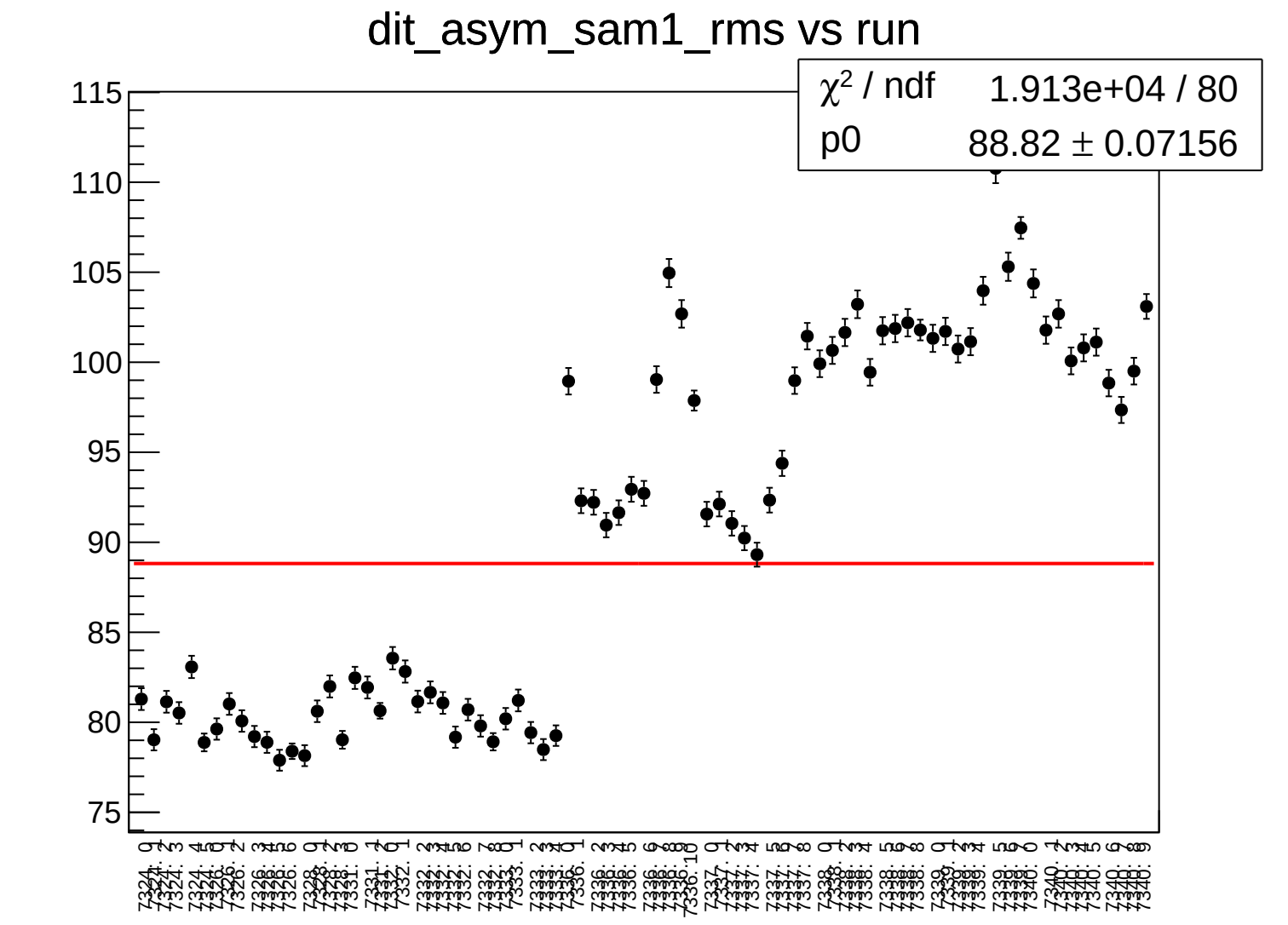

asym_atr2_mean vs run
×10^3
χ² / ndf 79.1 / 80
p0 4655 ± 1.441e+04
pull
Entries 81
Mean 286.7
Std Dev 256.5

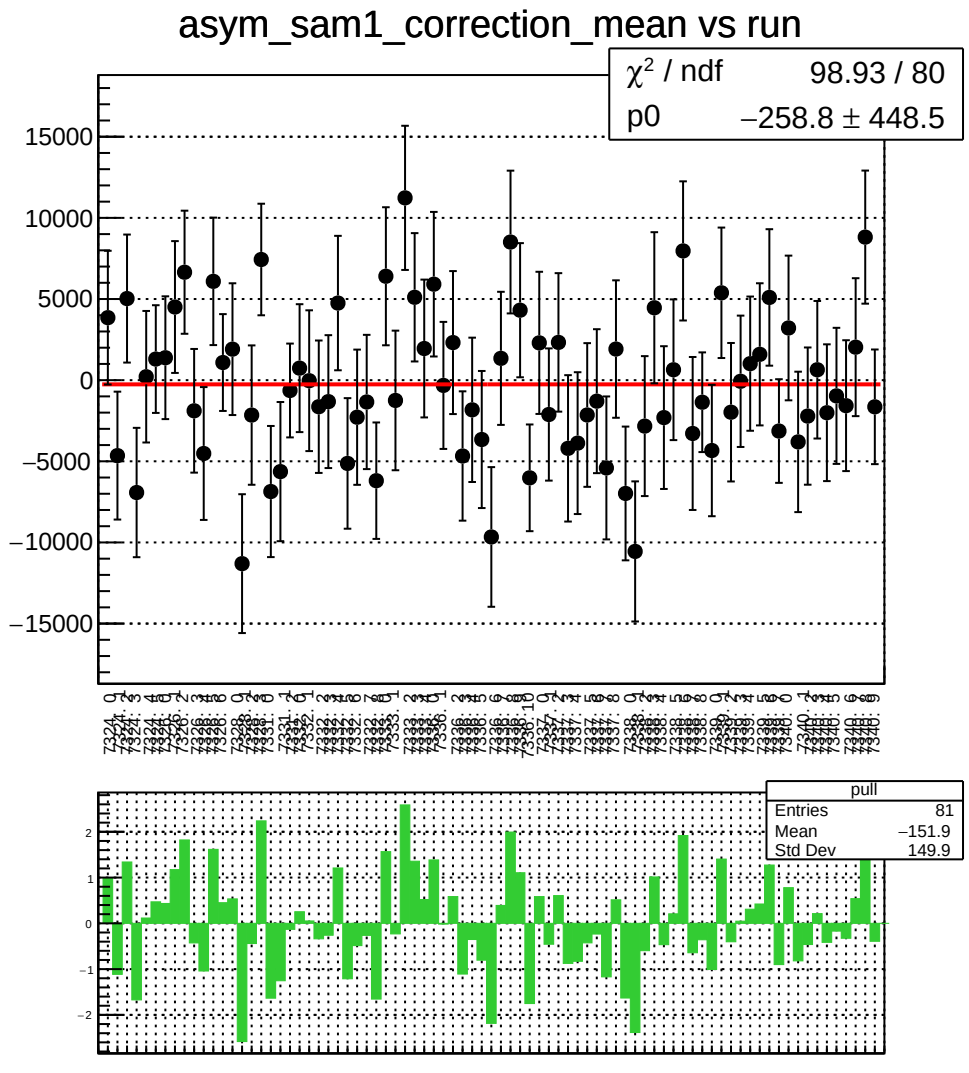

pull1D
Entries 81
Mean −0.0135
Std Dev 0.9881

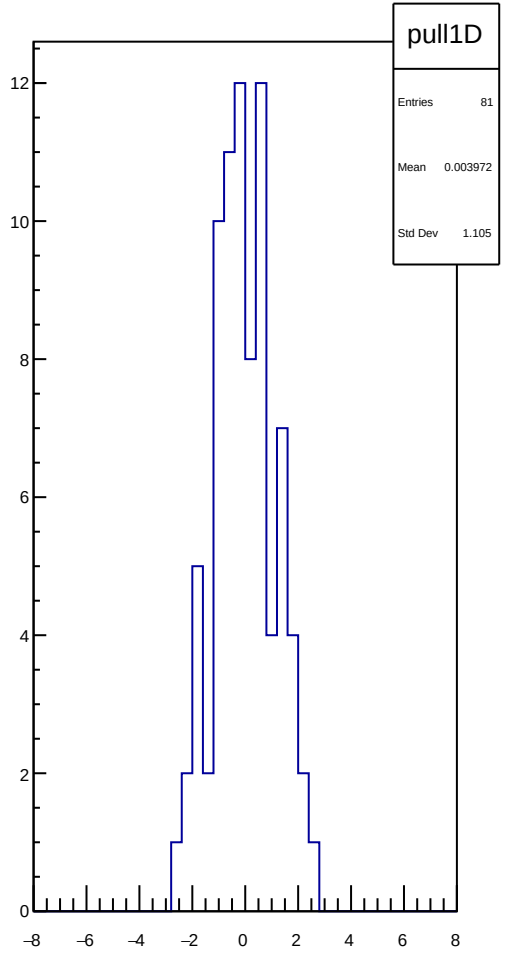

asym_atr2_rms vs run
χ² / ndf 2.072e+04 / 80
p0 1.264e+04 ± 10.19
16000
15000
14000
13000
12000
11000
10000

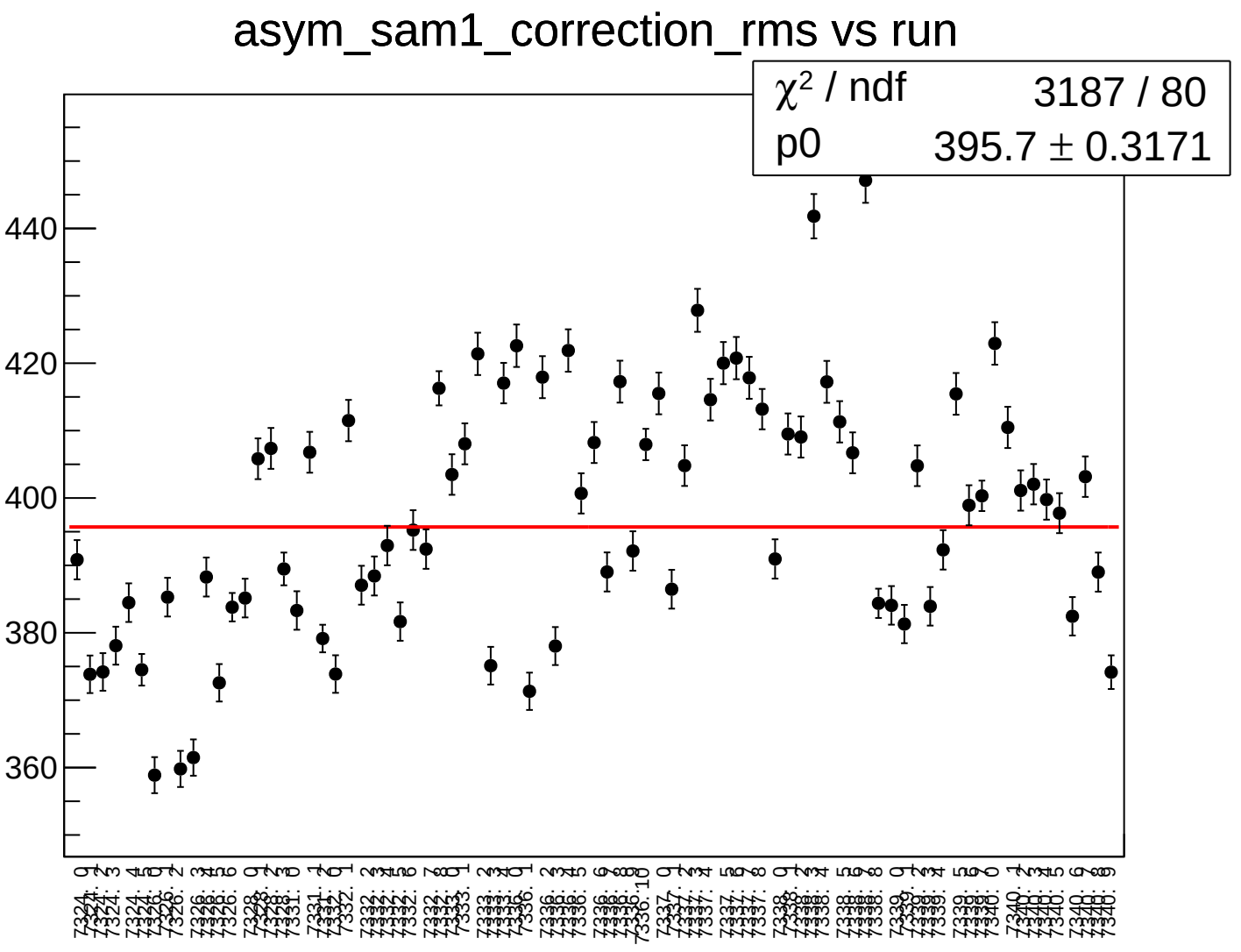

dit_asym_sam1_mean vs run
χ² / ndf 82.77 / 80
p0 26.48 ± 101.2
pull
Entries 81
Mean −45.19
Std Dev 130.6

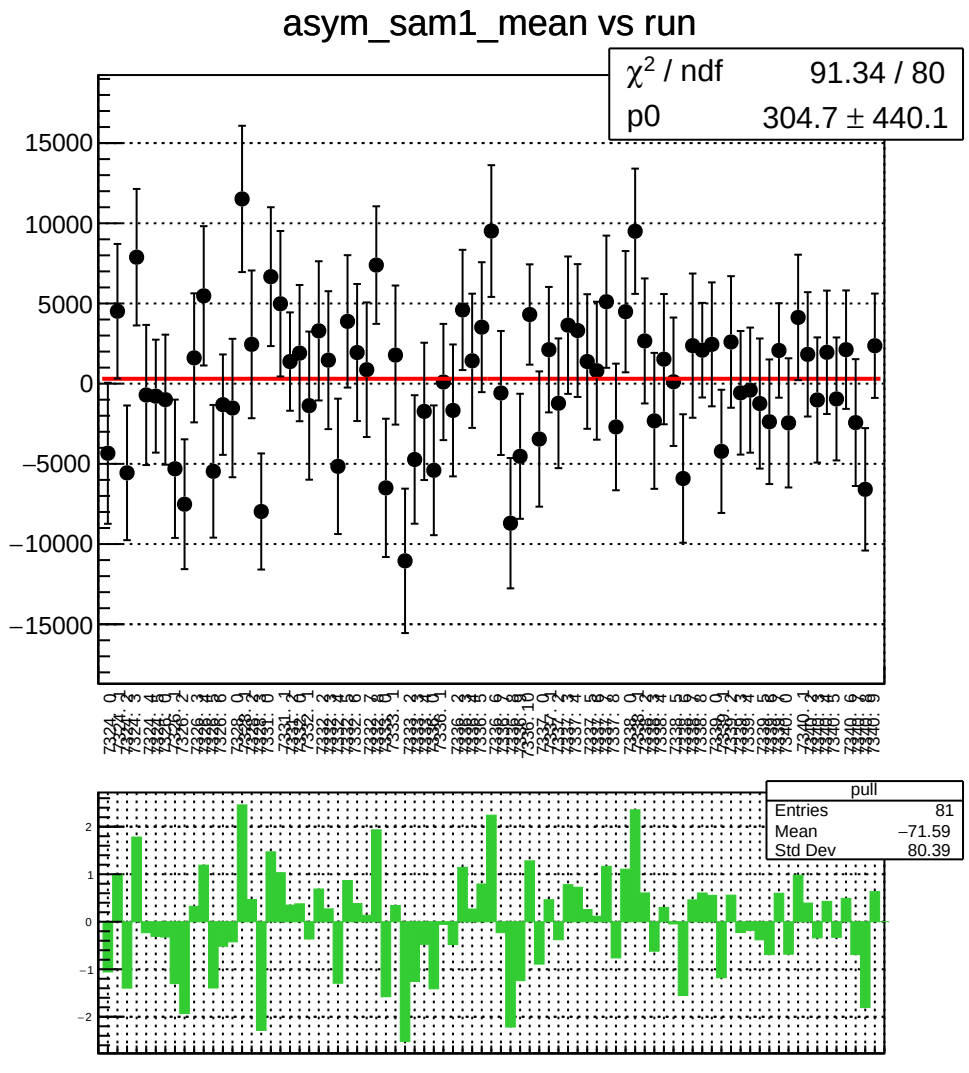

pull1D
Entries 81
Mean −0.004072
Std Dev 1.011

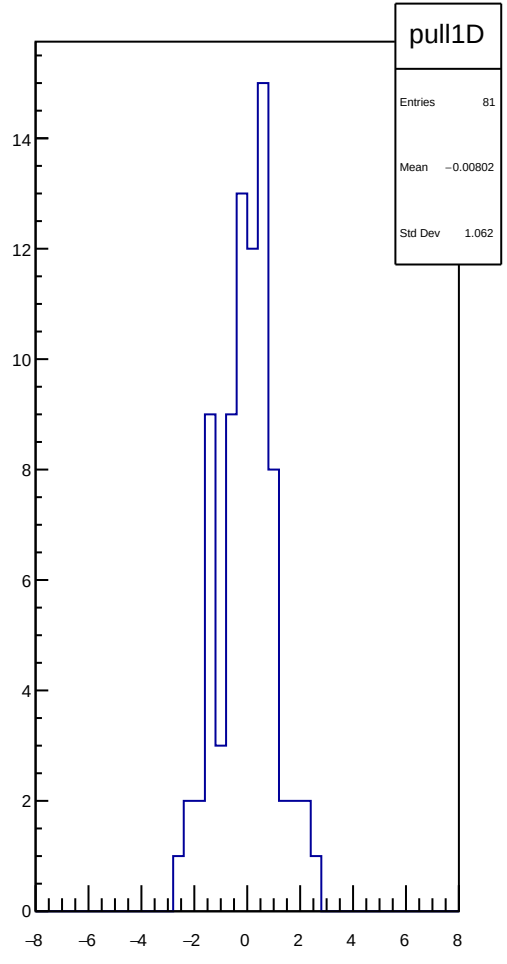

dit_asym_sam1_rms vs run
χ² / ndf 1.913e+04 / 80
p0 88.82 ± 0.07156
115
110
105
100
95
90
85
80
75

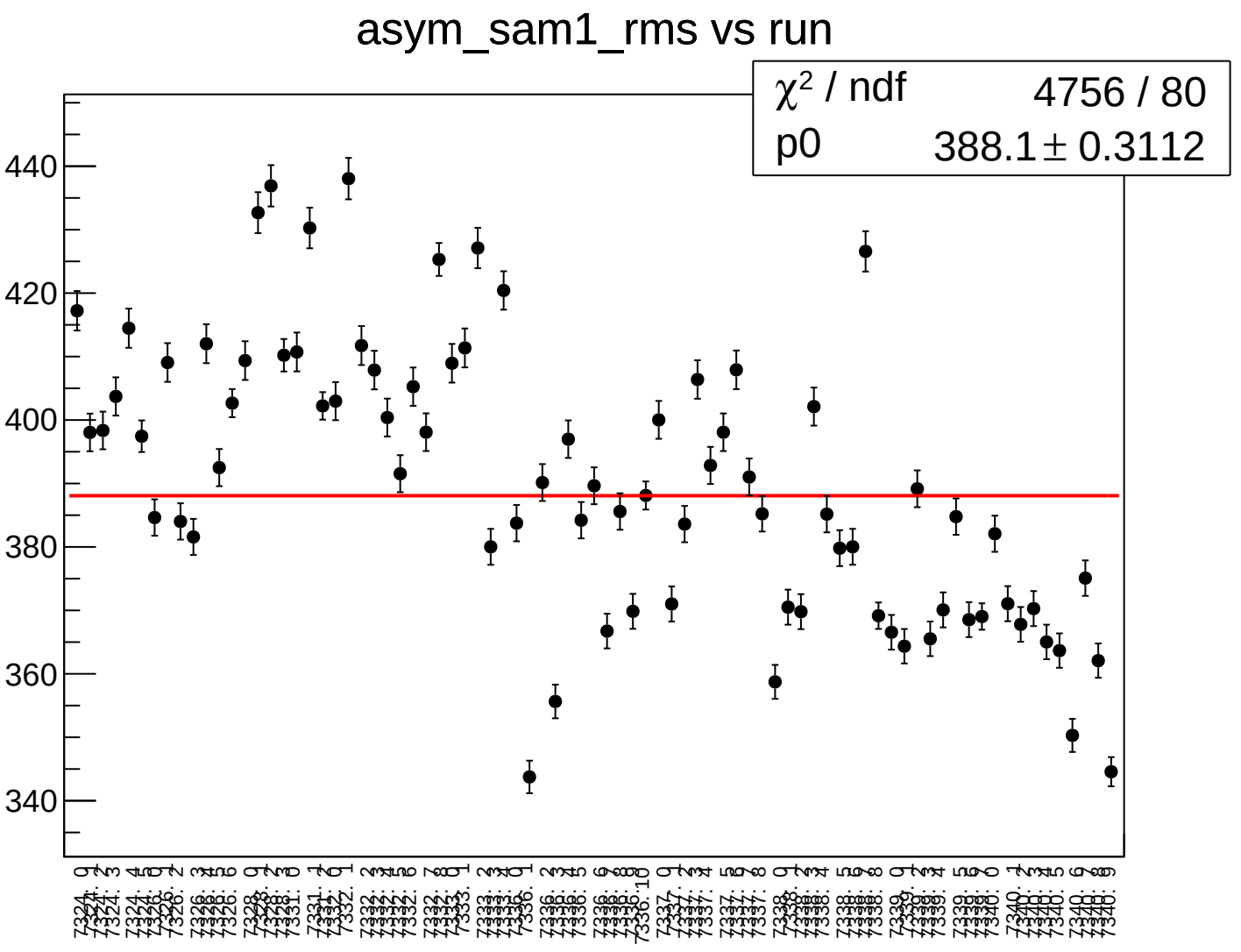

asym_sam1_correction_mean vs run
χ² / ndf 98.93 / 80
p0 −258.8 ± 448.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −151.9
Std Dev 149.9
2
1
0
−1
−2

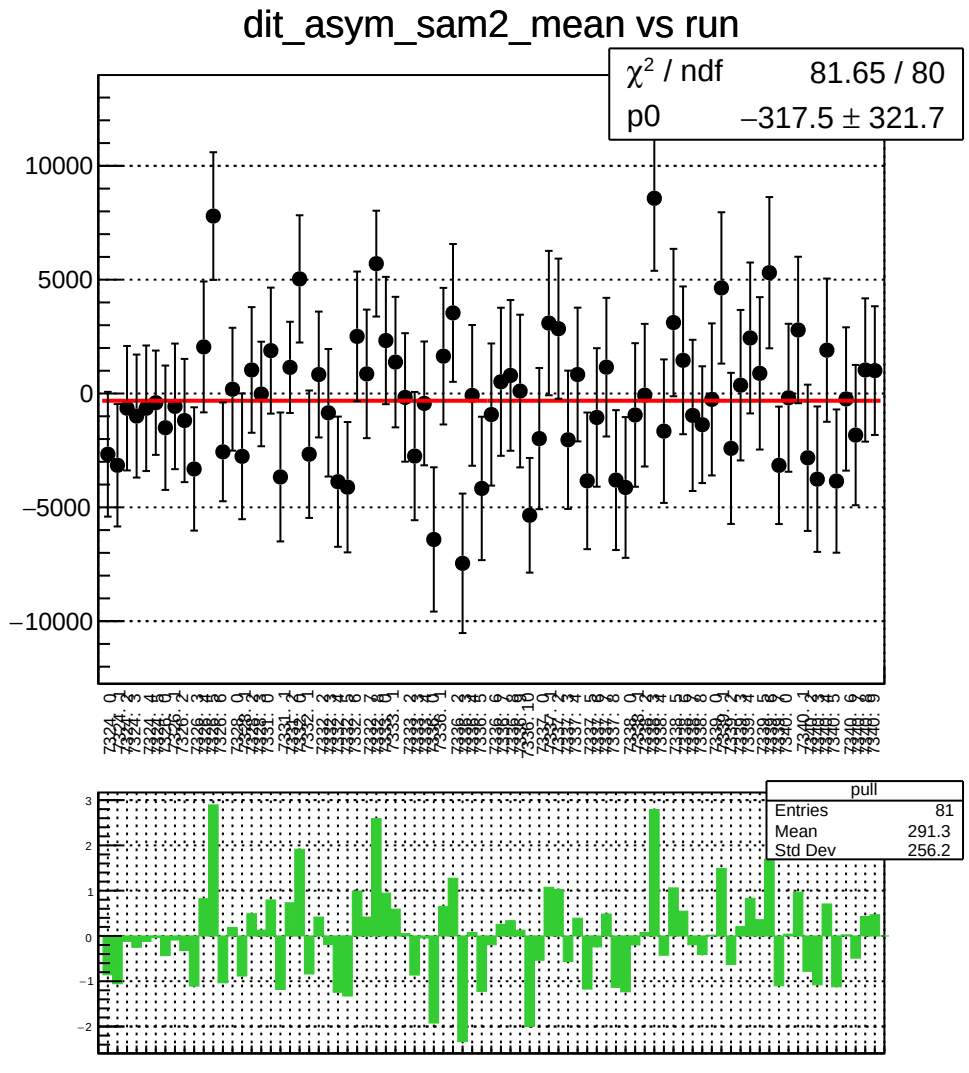

pull1D
Entries 81
Mean 0.003972
Std Dev 1.105
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

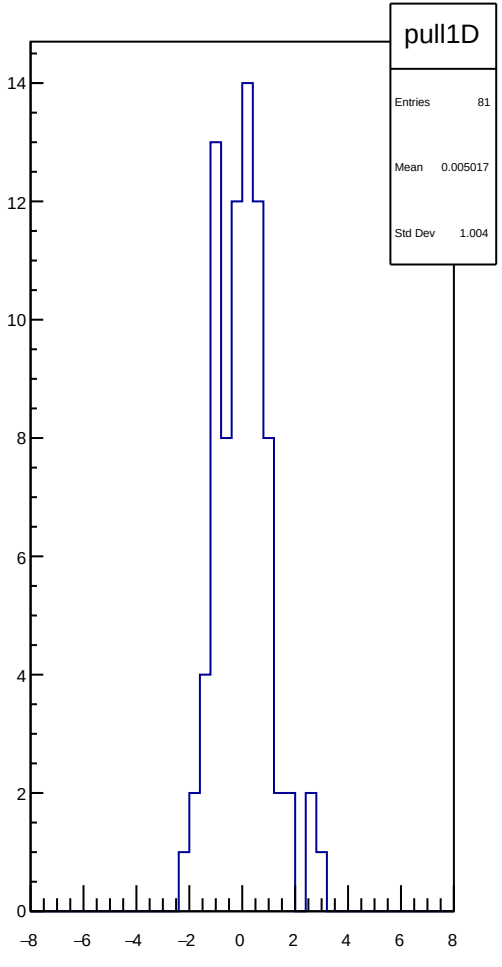

asym_sam1_correction_rms vs run
χ² / ndf 3187 / 80
p0 395.7 ± 0.3171
440
420
400
380
360

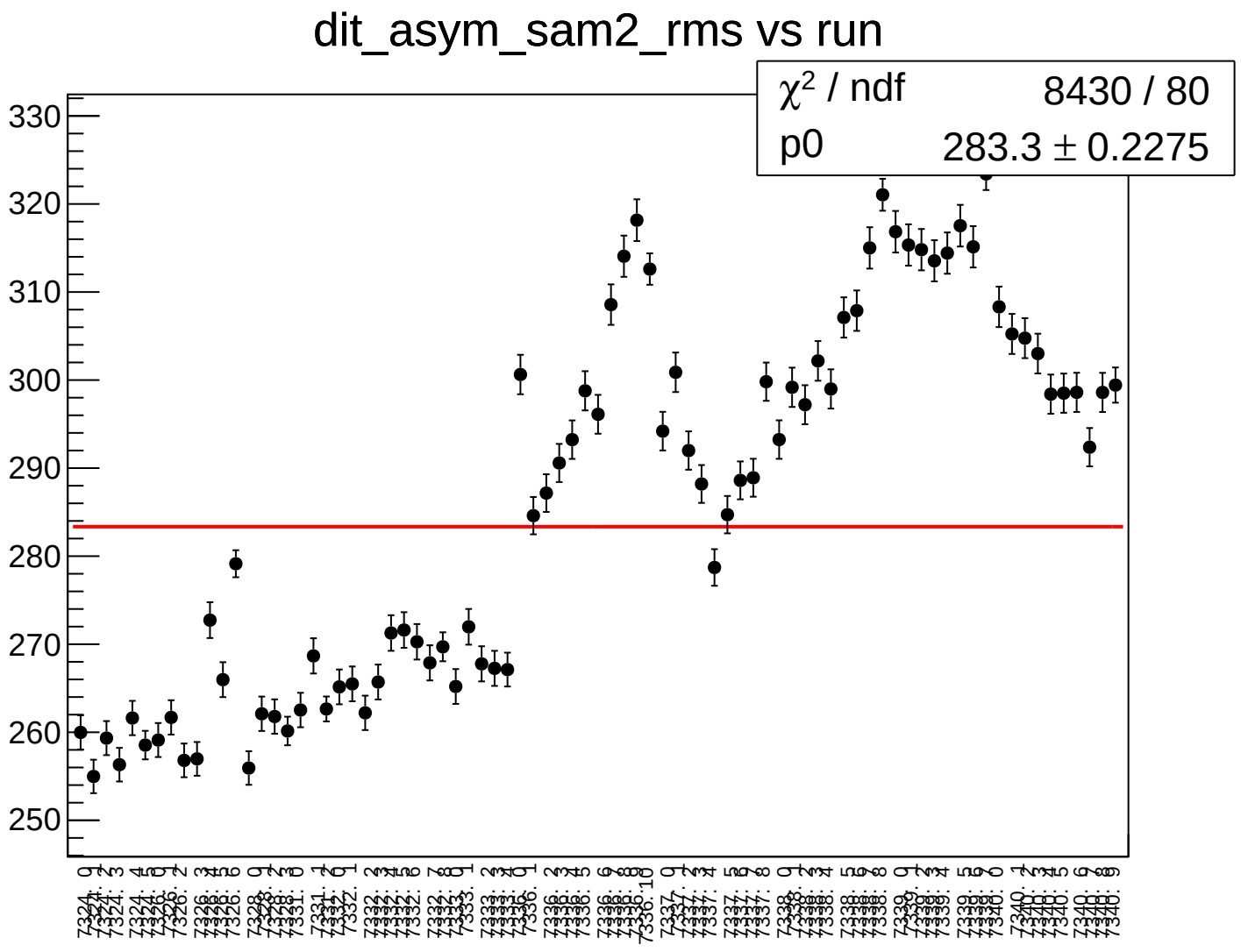

asym_sam1_mean vs run
χ² / ndf 91.34 / 80
p0 304.7 ± 440.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −71.59
Std Dev 80.39
2
1
0
−1
−2

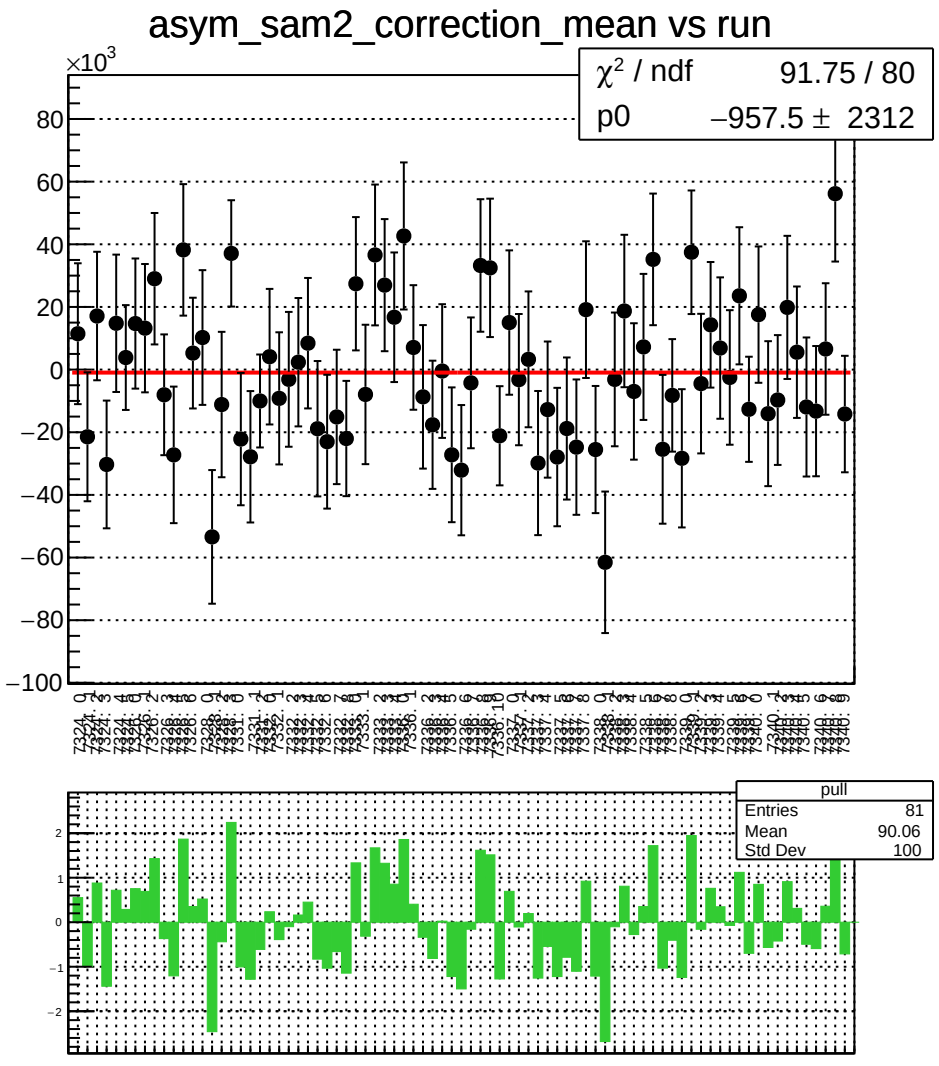

pull1D
Entries 81
Mean −0.00802
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

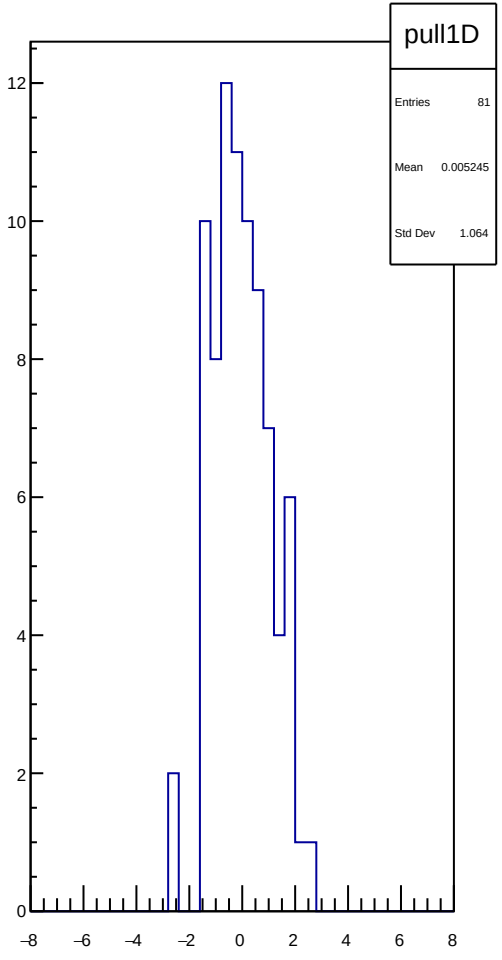

asym_sam1_rms vs run
χ² / ndf 4756 / 80
p0 388.1 ± 0.3112
440
420
400
380
360
340

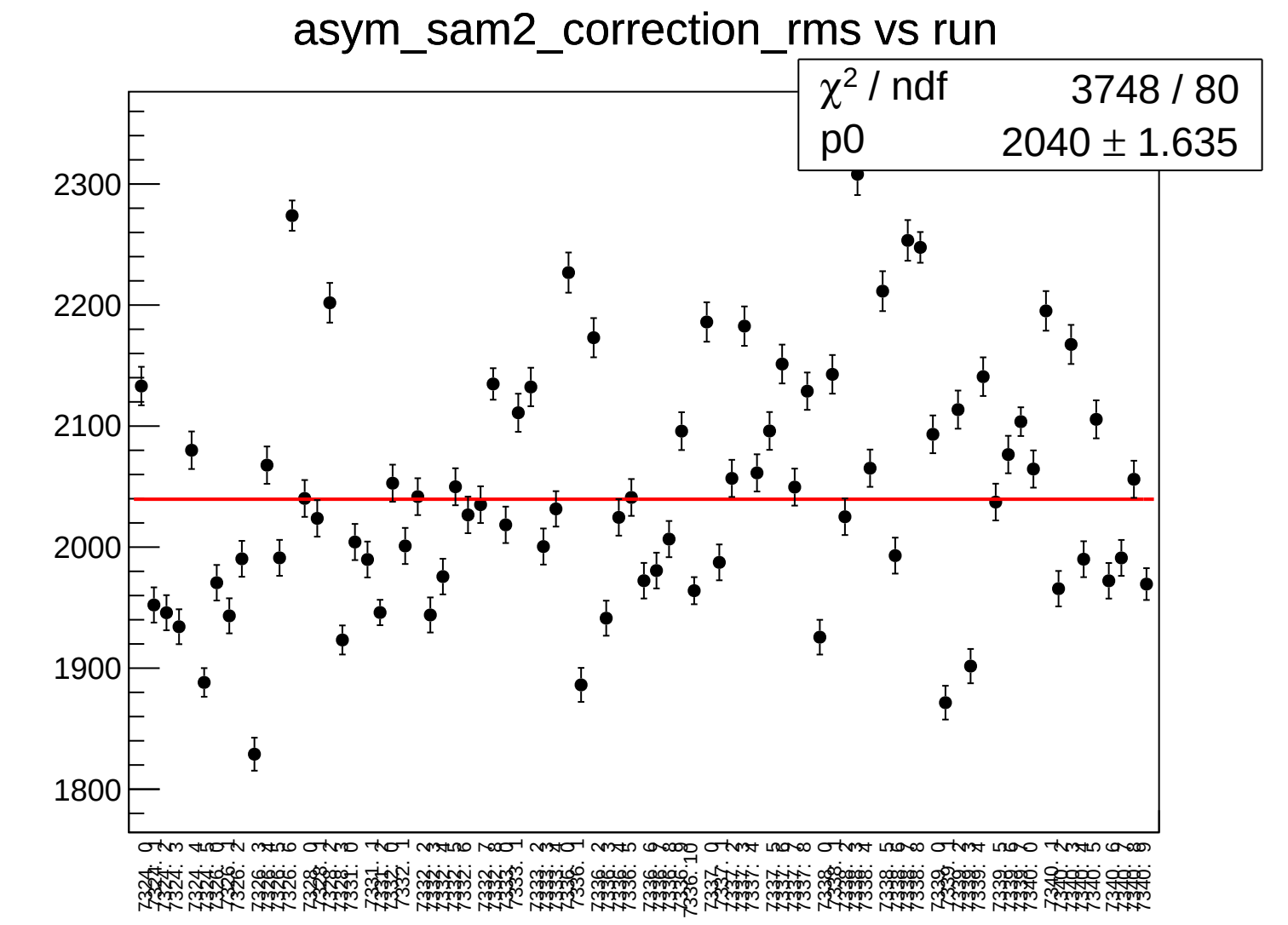

dit_asym_sam2_mean vs run
χ² / ndf 81.65 / 80
p0 −317.5 ± 321.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 291.3
Std Dev 256.2
3
2
1
0
−1
−2

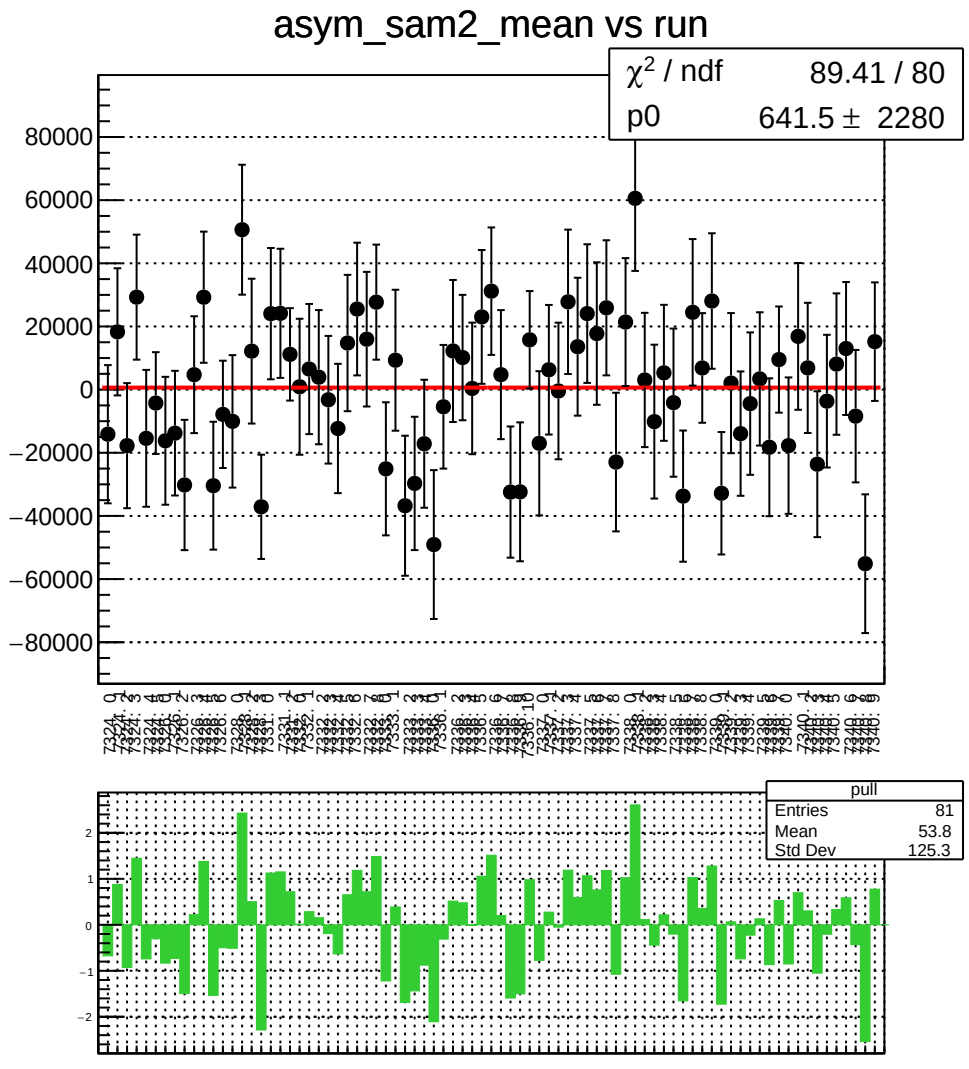

pull1D
Entries 81
Mean 0.005017
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

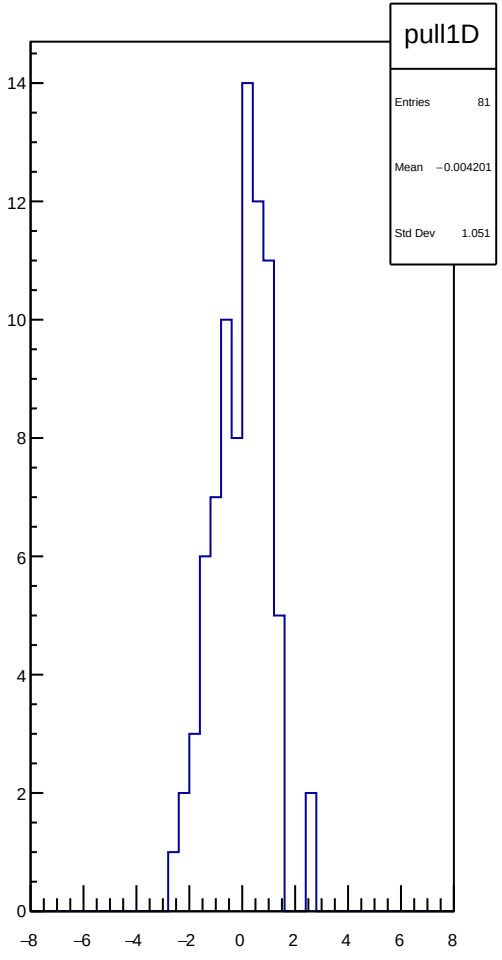

dit_asym_sam2_rms vs run
χ² / ndf 8430 / 80
p0 283.3 ± 0.2275
330
320
310
300
290
280
270
260
250

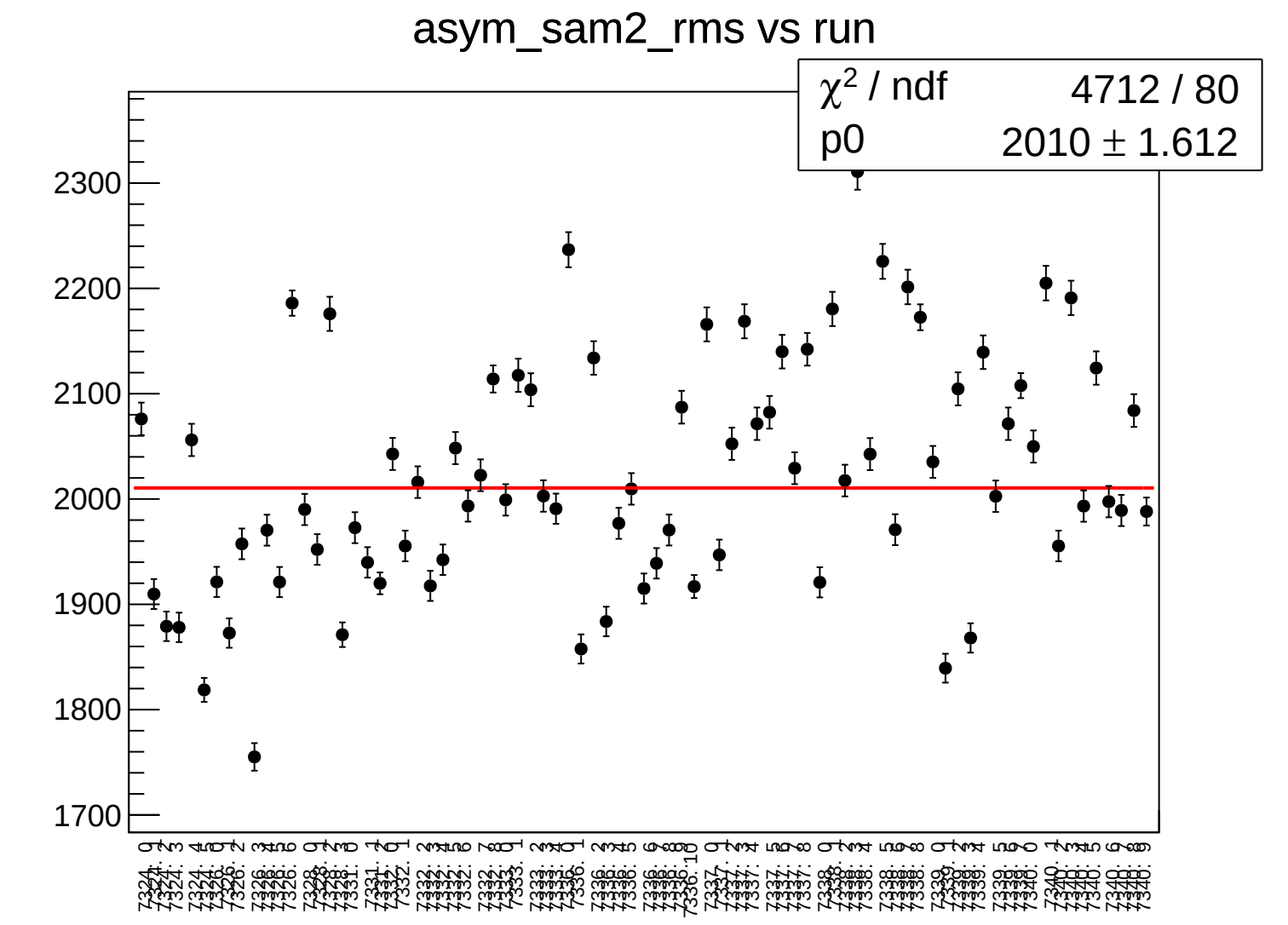

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 91.75 / 80
p0 −957.5 ± 2312
pull
Entries 81
Mean 90.06
Std Dev 100

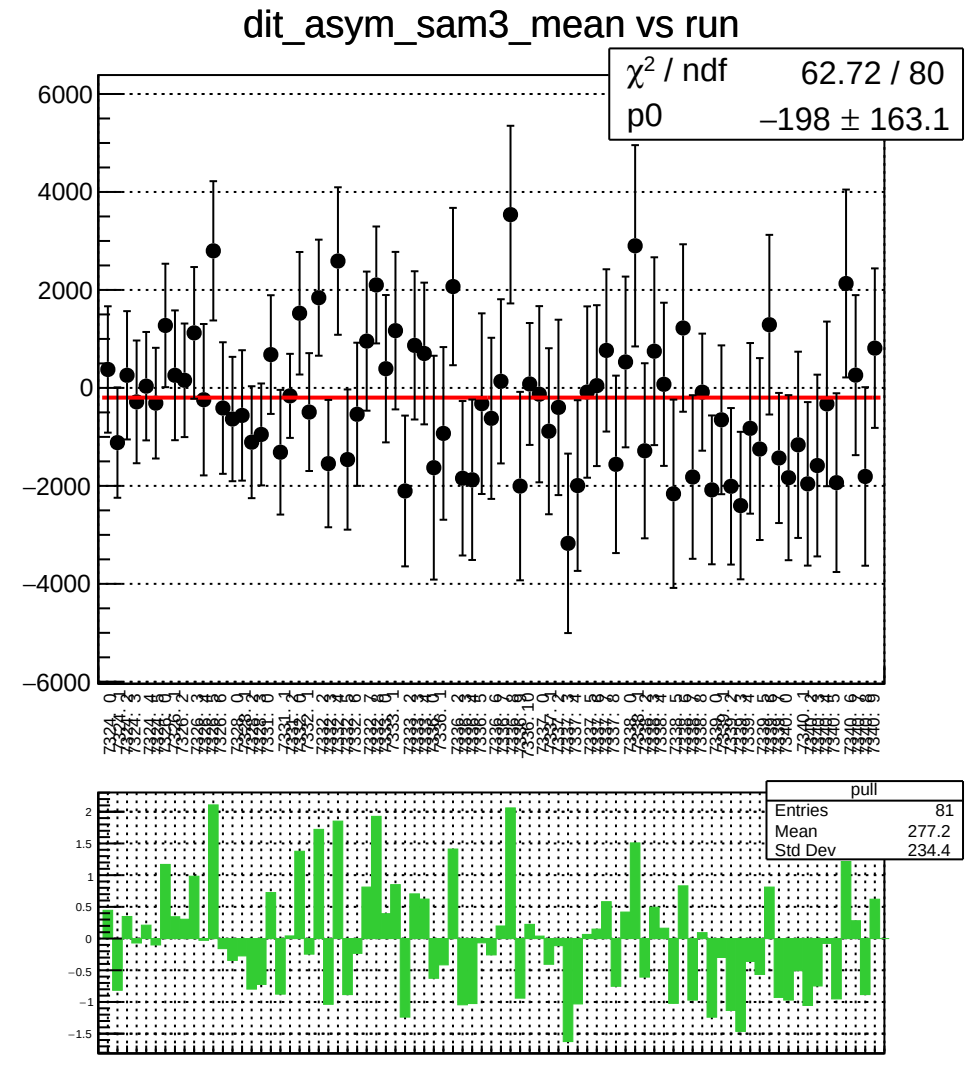

pull1D
Entries 81
Mean 0.005245
Std Dev 1.064

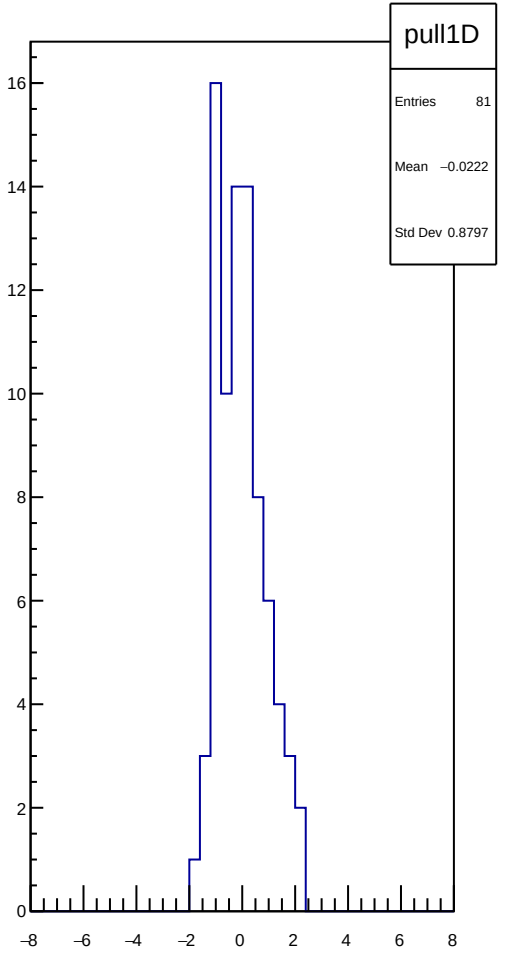

asym_sam2_correction_rms vs run
χ² / ndf 3748 / 80
p0 2040 ± 1.635
2300
2200
2100
2000
1900
1800

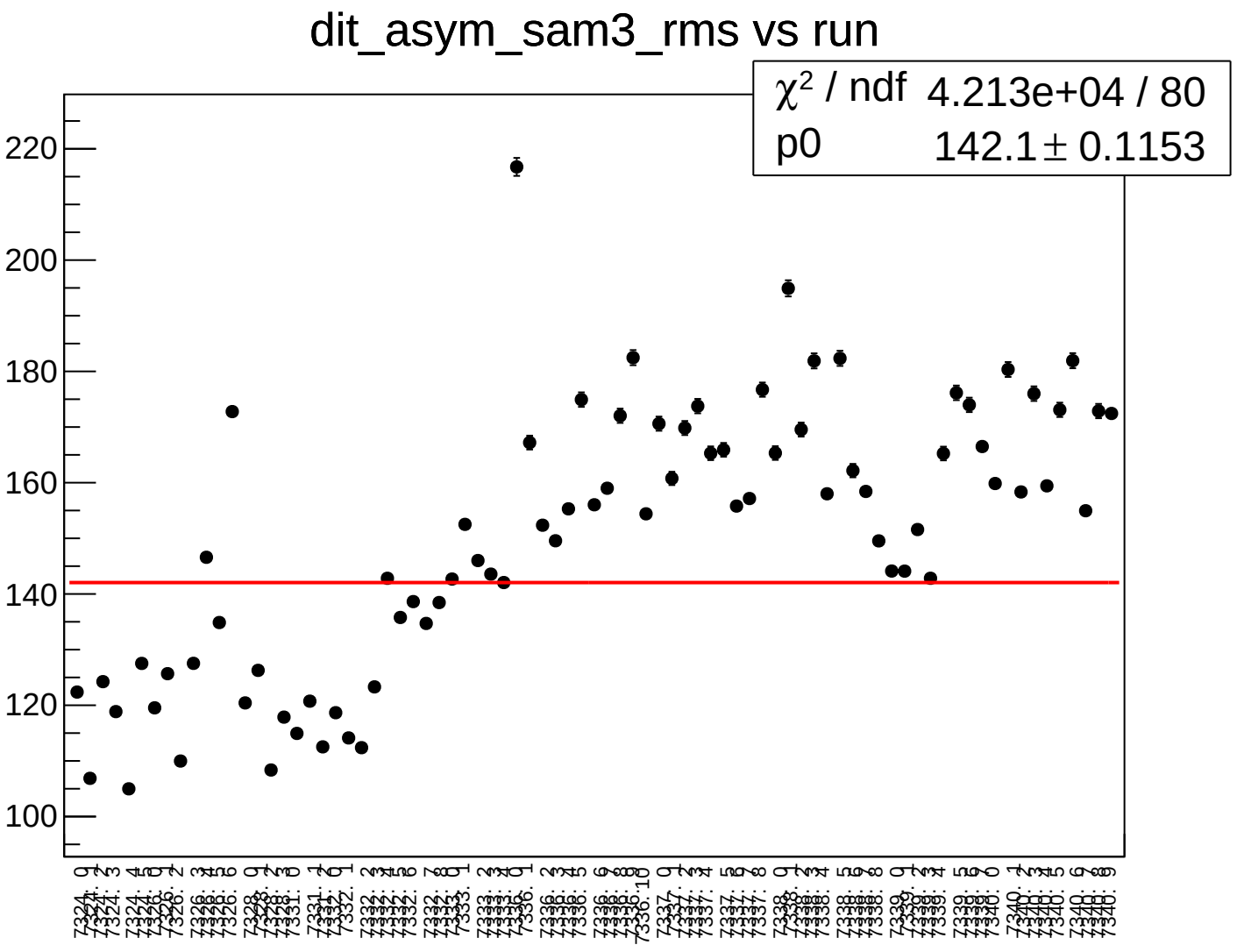

asym_sam2_mean vs run
χ² / ndf 89.41 / 80
p0 641.5 ± 2280
pull
Entries 81
Mean 53.8
Std Dev 125.3

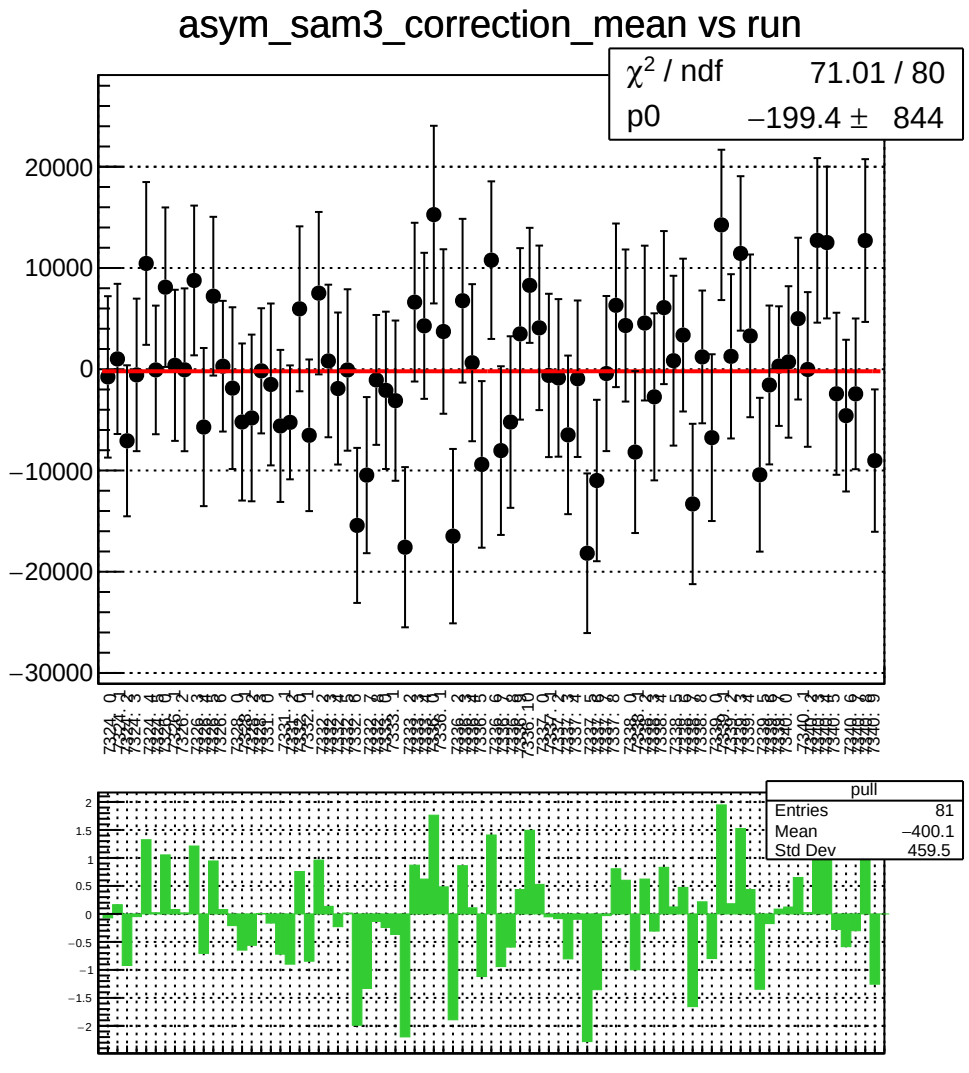

pull1D
Entries 81
Mean −0.004201
Std Dev 1.051

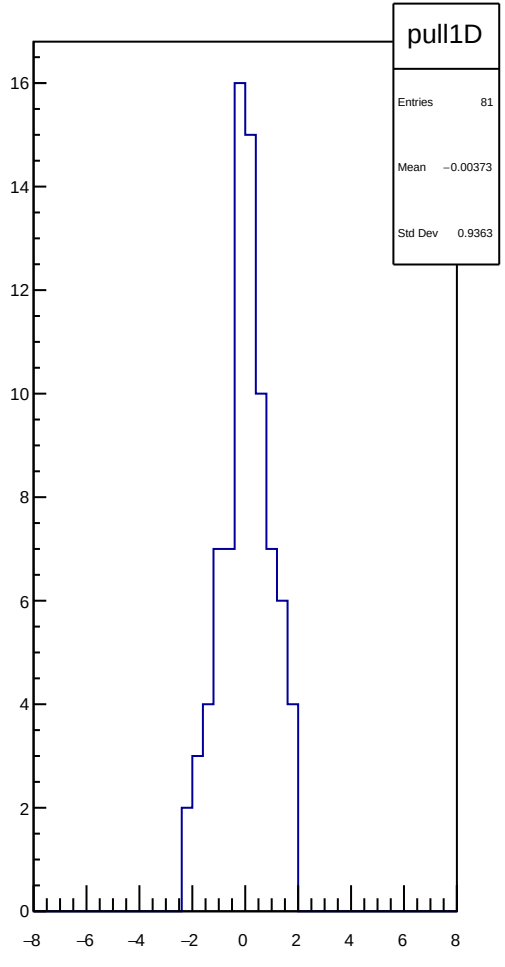

asym_sam2_rms vs run
χ² / ndf 4712 / 80
p0 2010 ± 1.612
2300
2200
2100
2000
1900
1800
1700

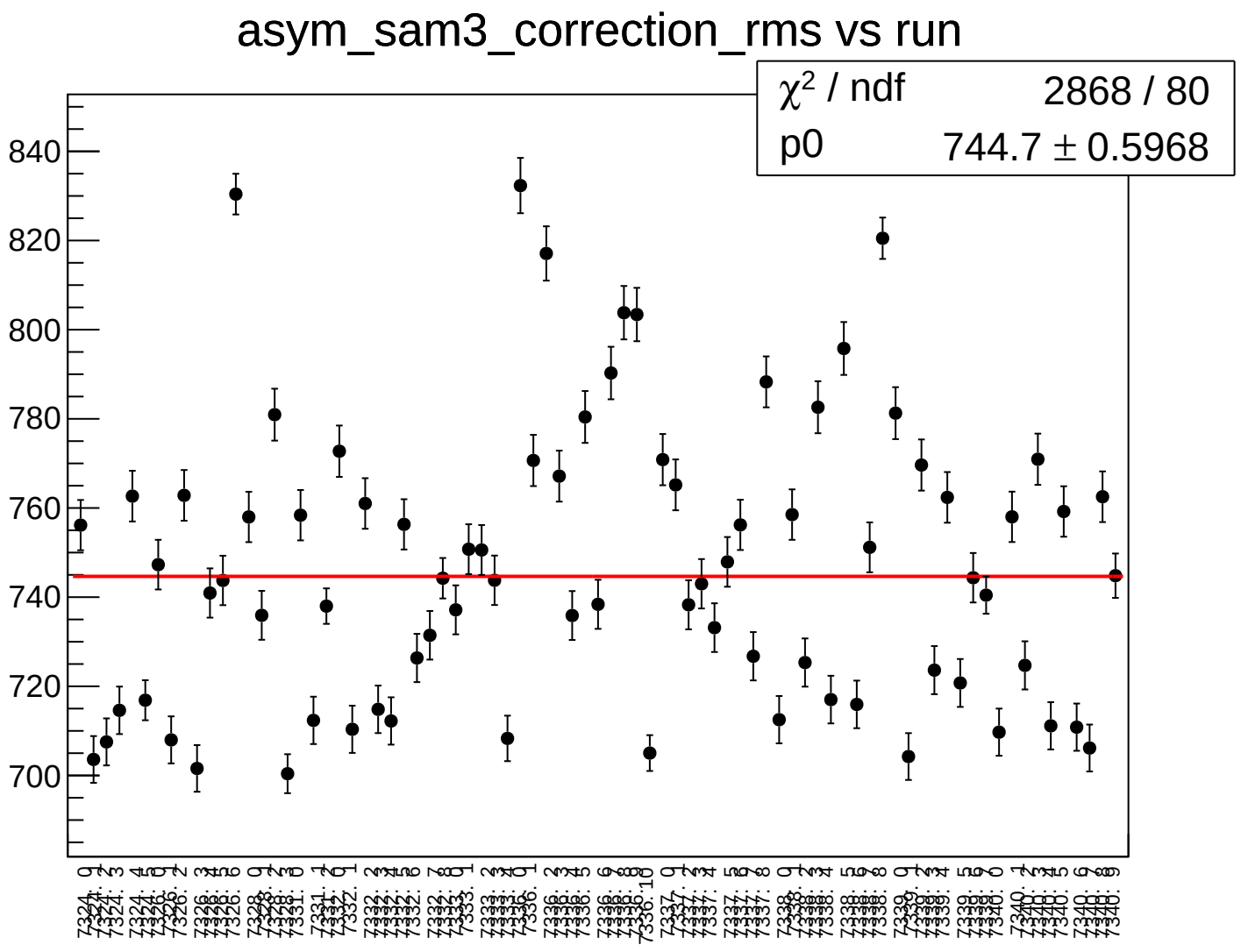

dit_asym_sam3_mean vs run
χ² / ndf 62.72 / 80
p0 −198 ± 163.1
pull
Entries 81
Mean 277.2
Std Dev 234.4

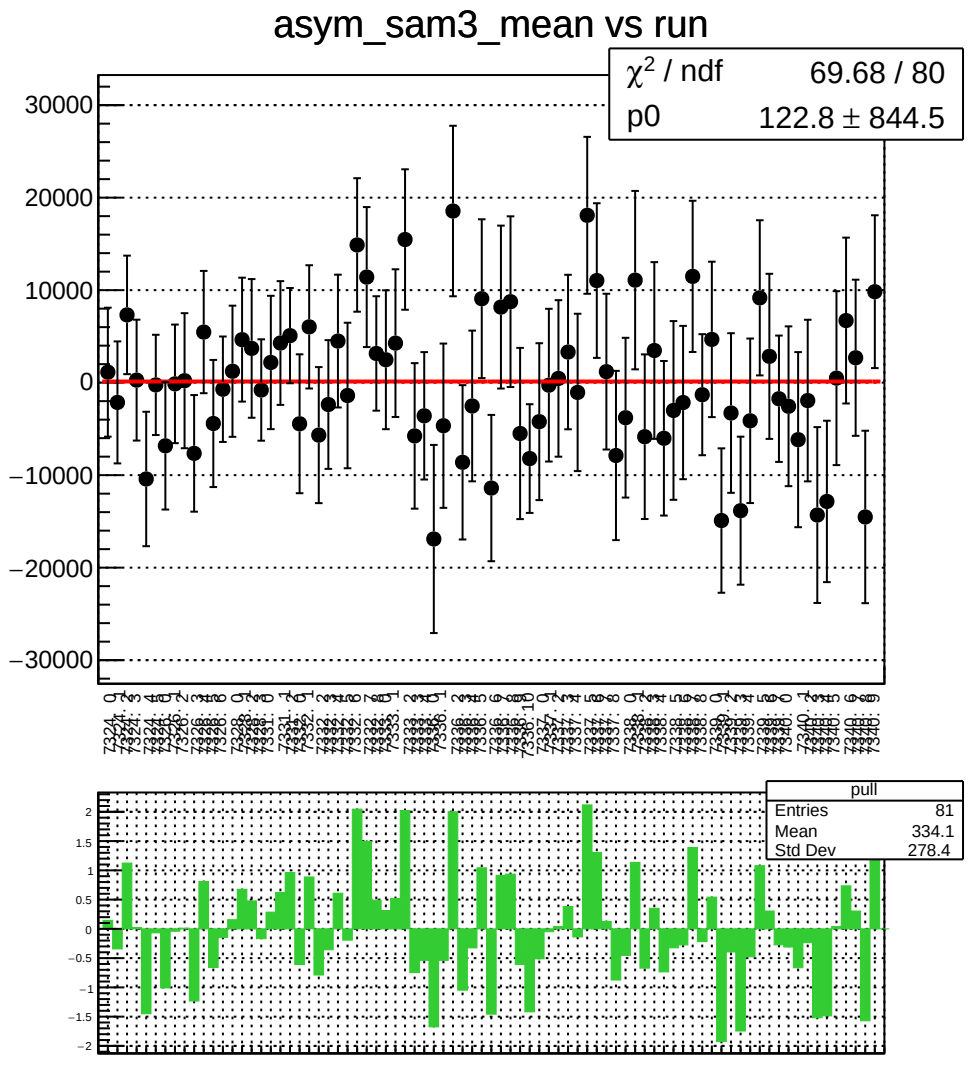

pull1D
Entries 81
Mean −0.0222
Std Dev 0.8797

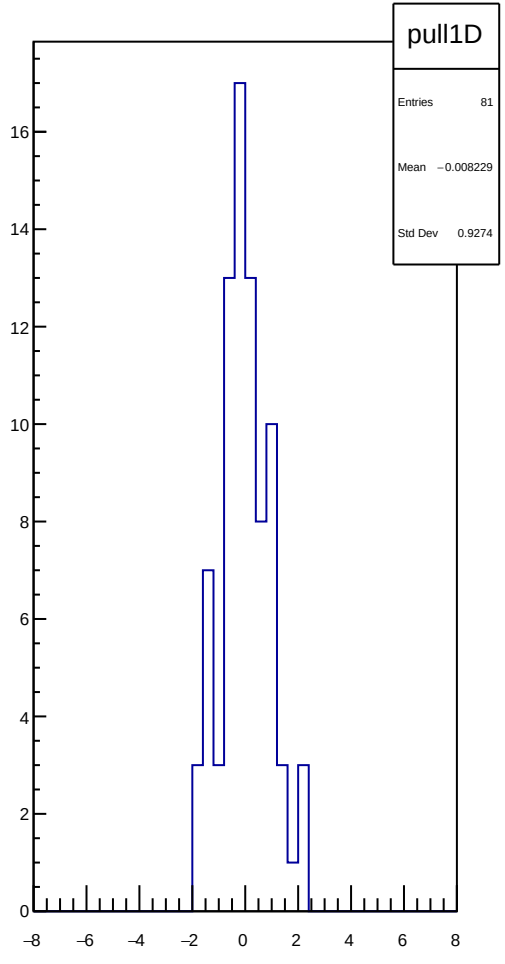

dit_asym_sam3_rms vs run
χ² / ndf 4.213e+04 / 80
p0 142.1 ± 0.1153
220
200
180
160
140
120
100

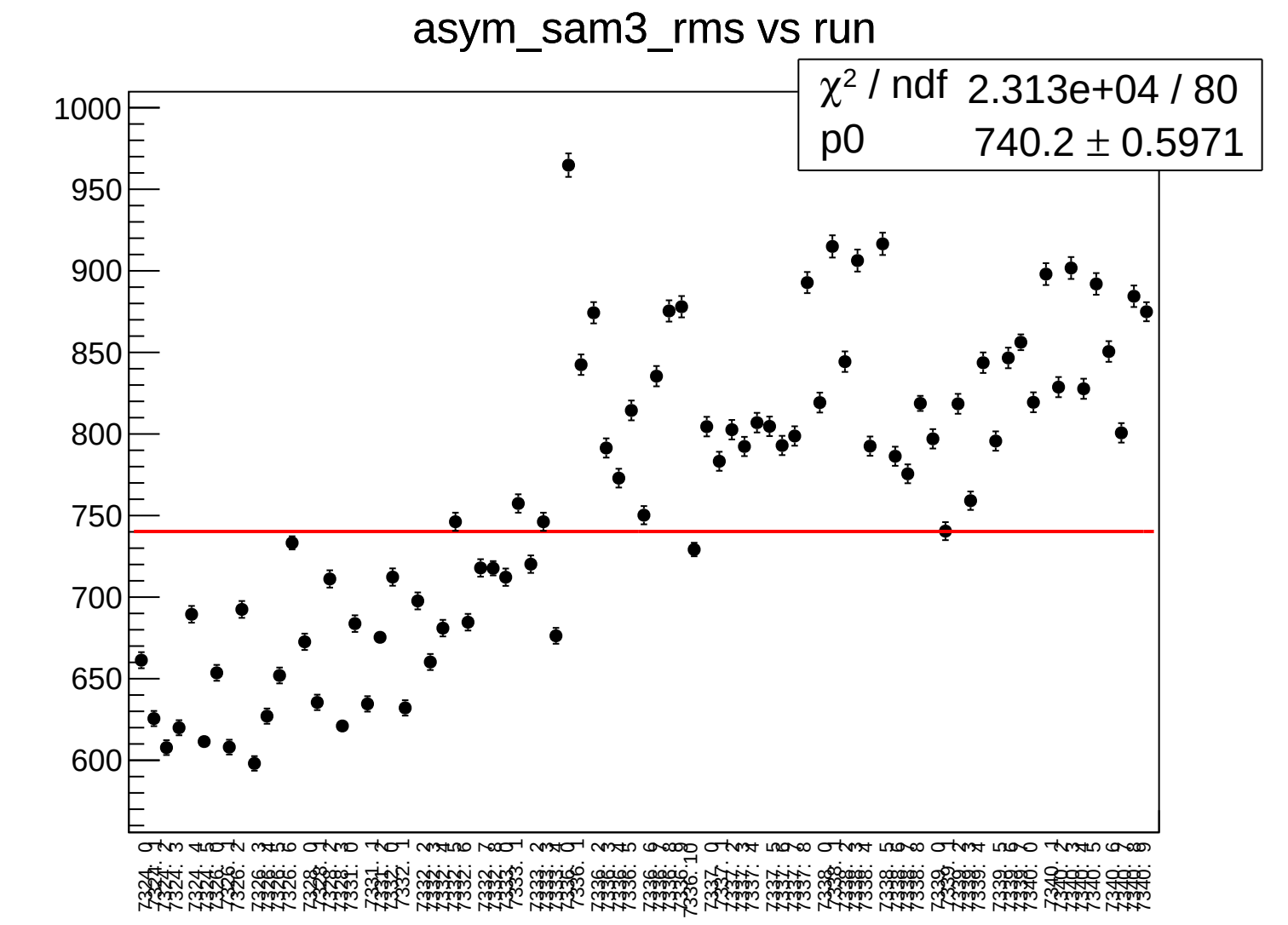

asym_sam3_correction_mean vs run
χ² / ndf 71.01 / 80
p0 −199.4 ± 844
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −400.1
Std Dev 459.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

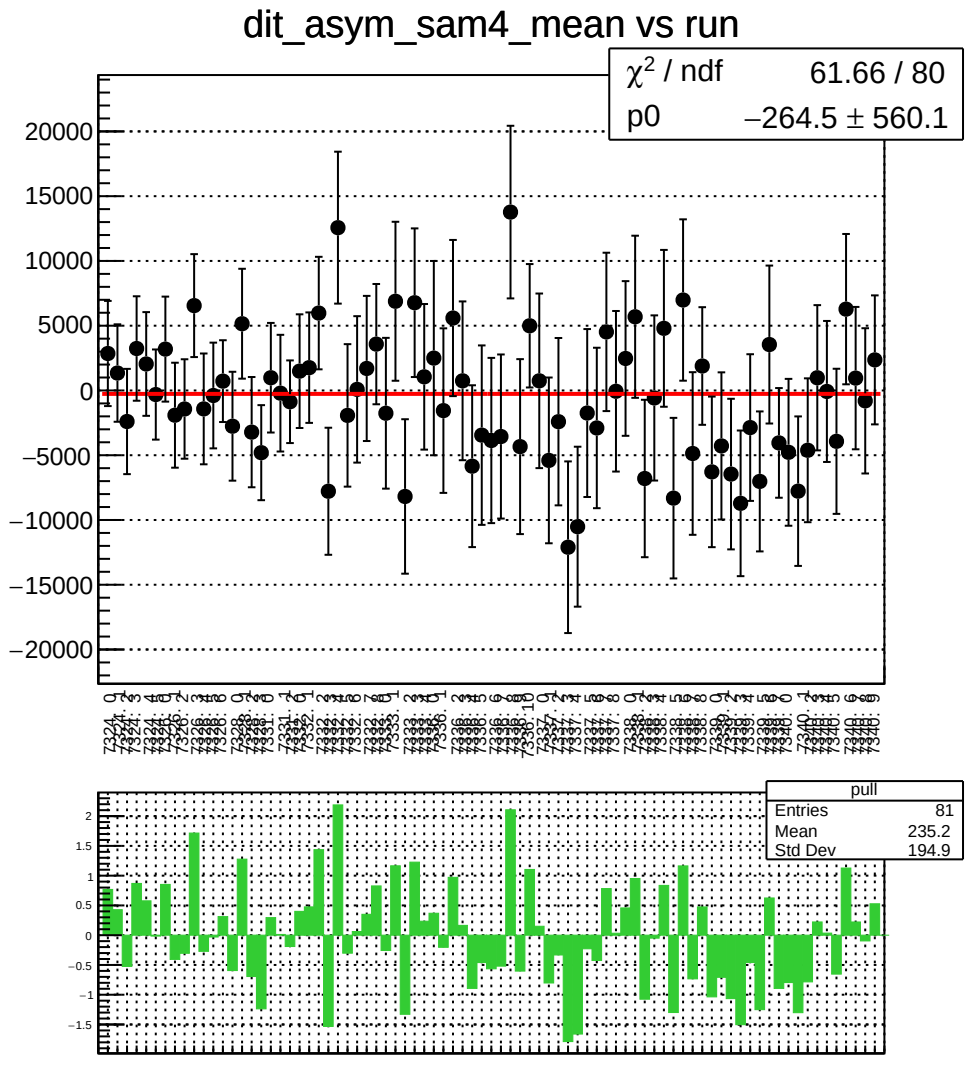

pull1D
Entries 81
Mean −0.00373
Std Dev 0.9363
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

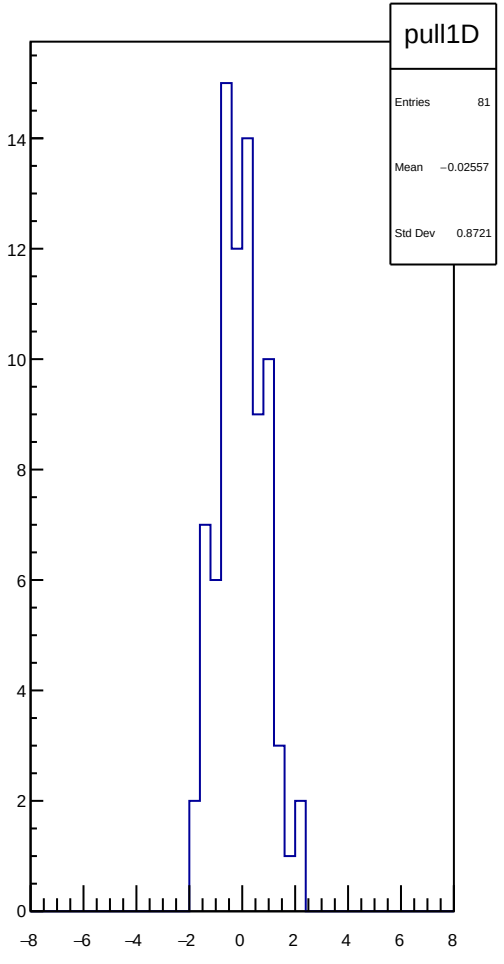

asym_sam3_correction_rms vs run
χ² / ndf 2868 / 80
p0 744.7 ± 0.5968
840
820
800
780
760
740
720
700

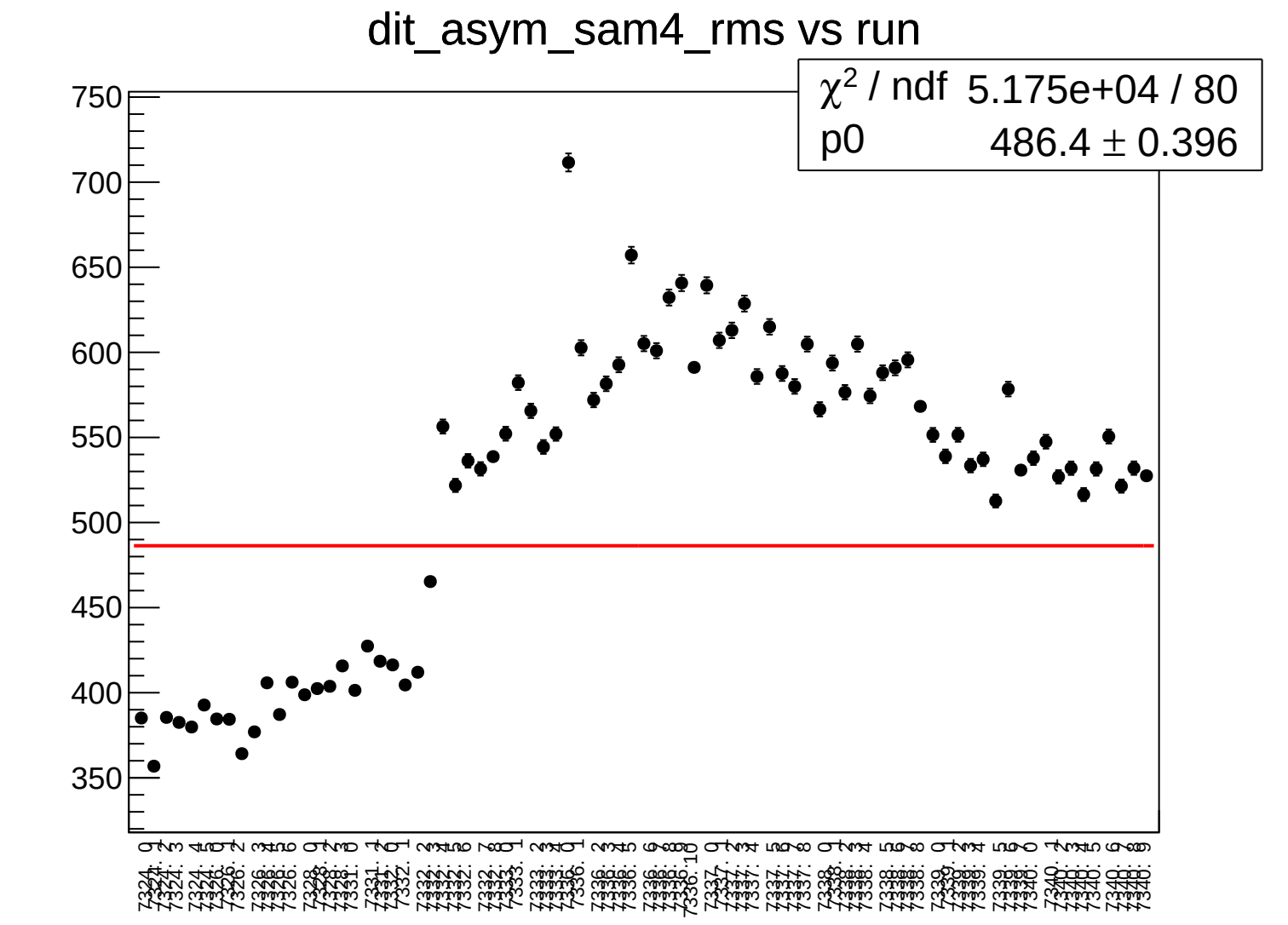

asym_sam3_mean vs run
χ^2 / ndf 69.68 / 80
p0 122.8 ± 844.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 334.1
Std Dev 278.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

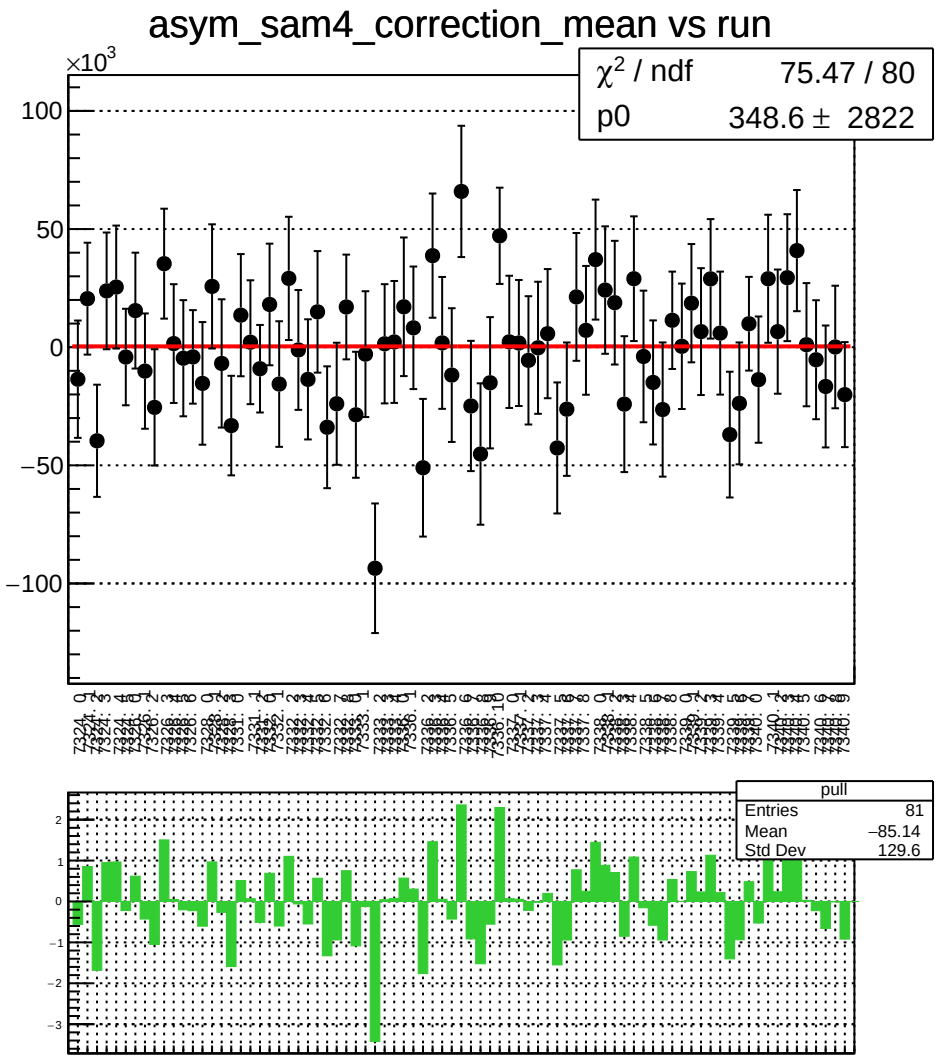

pull1D
Entries 81
Mean −0.008229
Std Dev 0.9274
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

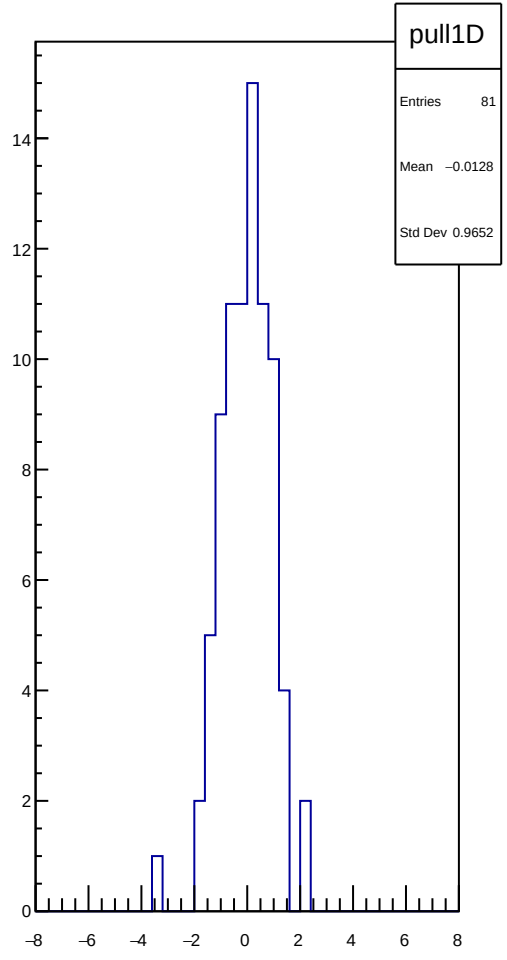

asym_sam3_rms vs run
χ² / ndf 2.313e+04 / 80
p0 740.2 ± 0.5971
1000
950
900
850
800
750
700
650
600

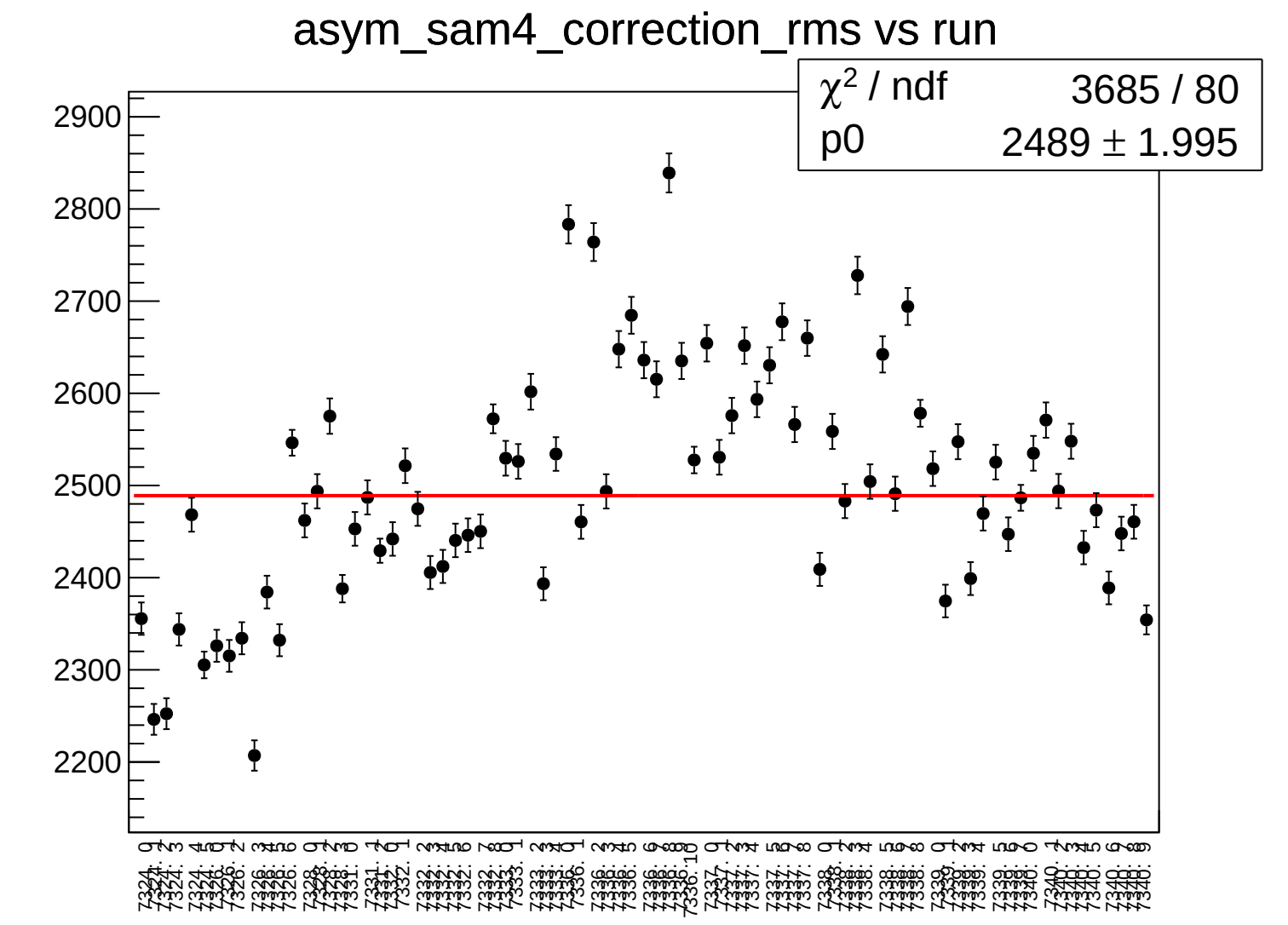

dit_asym_sam4_mean vs run
χ² / ndf 61.66 / 80
p0 −264.5 ± 560.1
pull
Entries 81
Mean 235.2
Std Dev 194.9

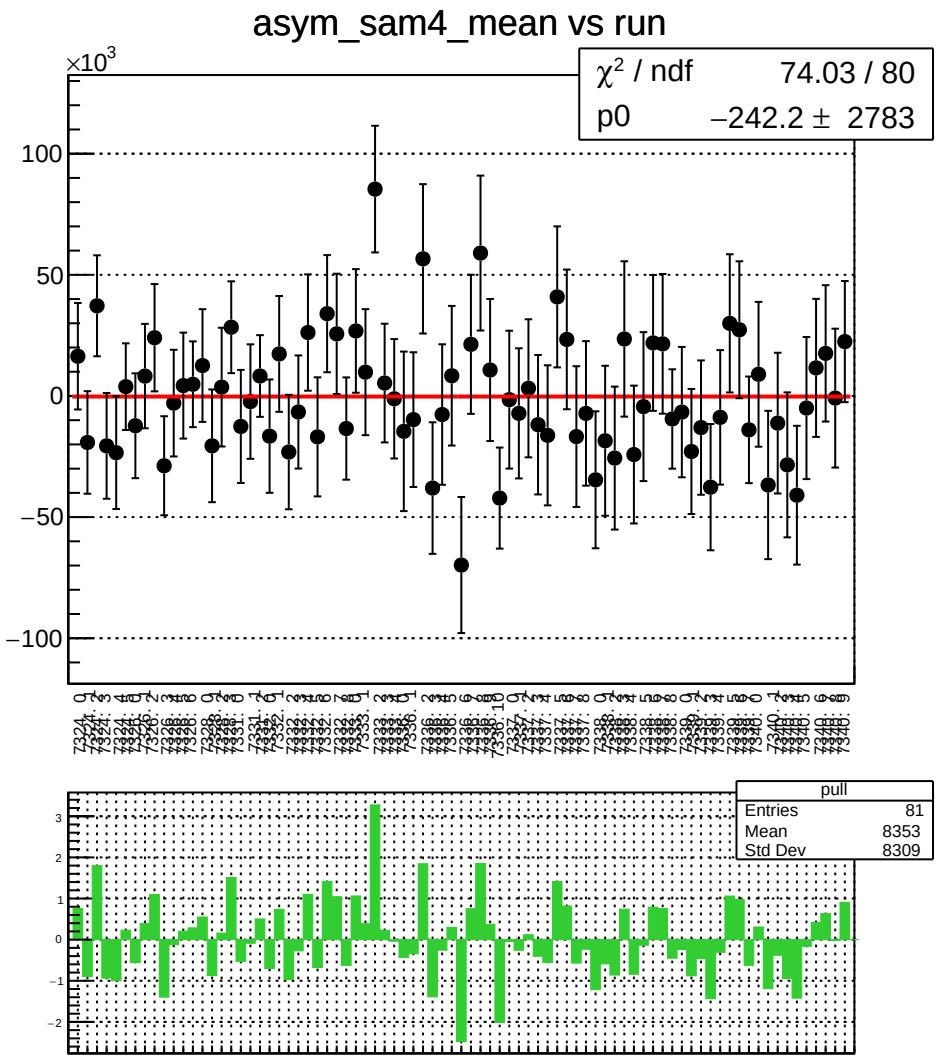

pull1D
Entries 81
Mean −0.02557
Std Dev 0.8721

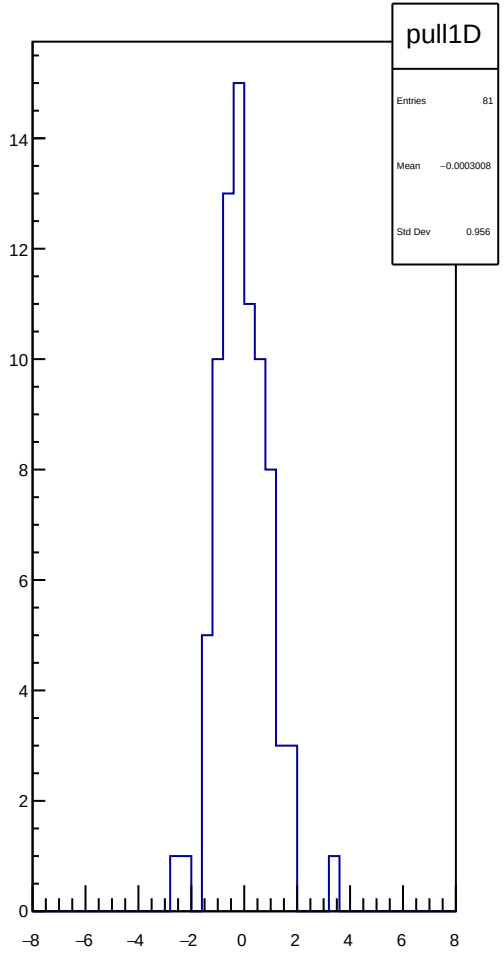

dit_asym_sam4_rms vs run
χ² / ndf 5.175e+04 / 80
p0 486.4 ± 0.396
750
700
650
600
550
500
450
400
350

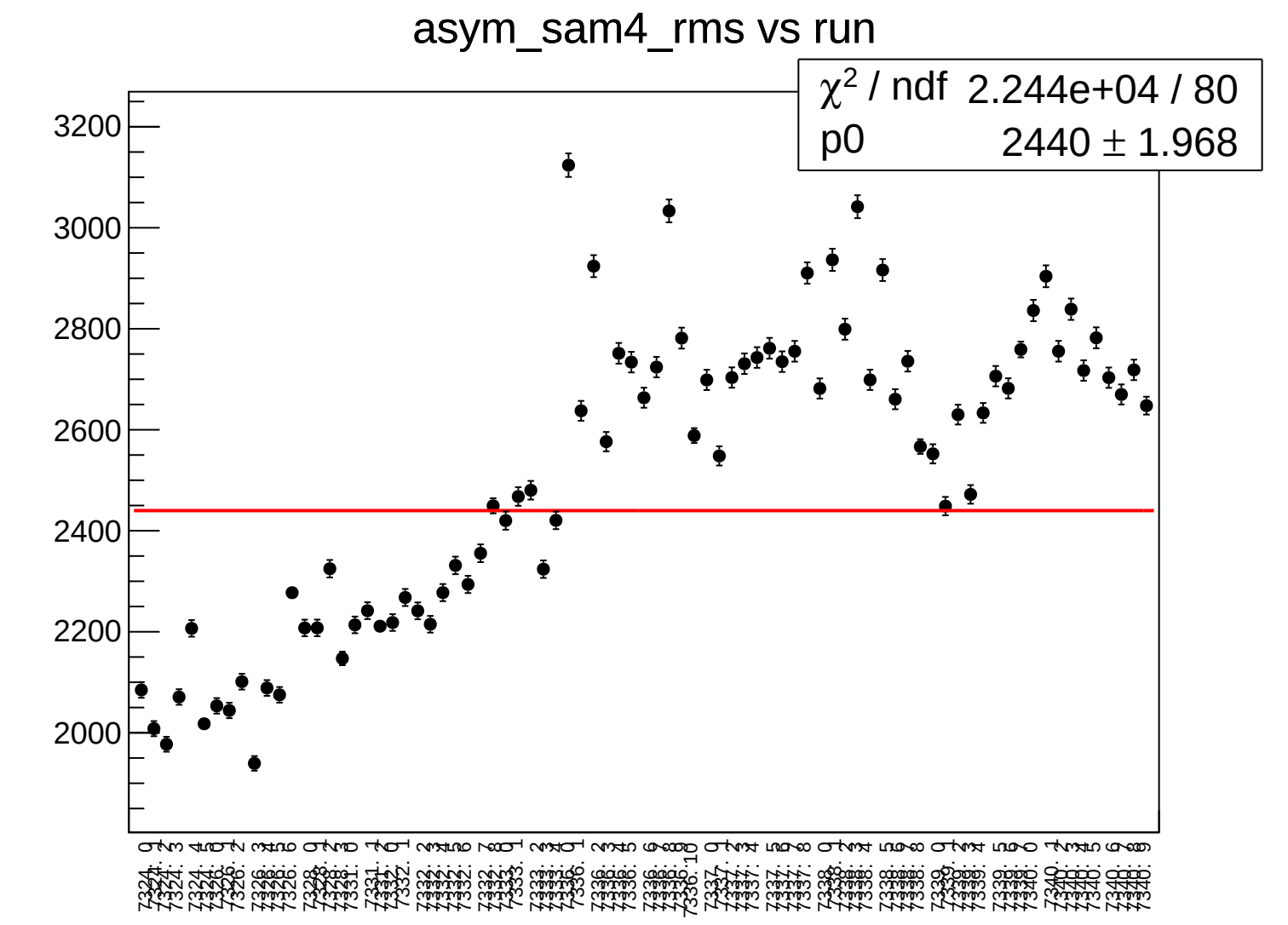

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 75.47 / 80
p0 348.6 ± 2822
100
50
0
−50
−100
pull
Entries 81
Mean −85.14
Std Dev 129.6
2
1
0
−1
−2
−3

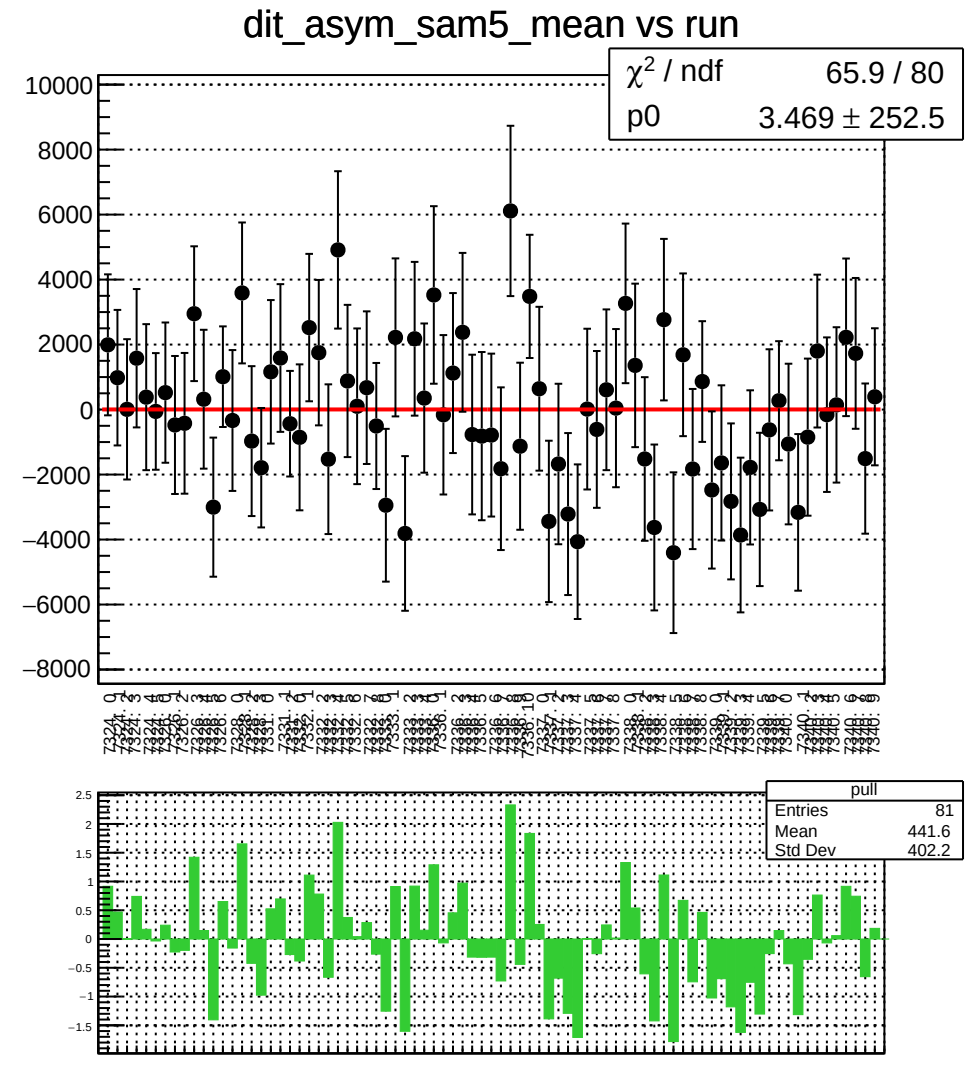

pull1D
Entries 81
Mean −0.0128
Std Dev 0.9652
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

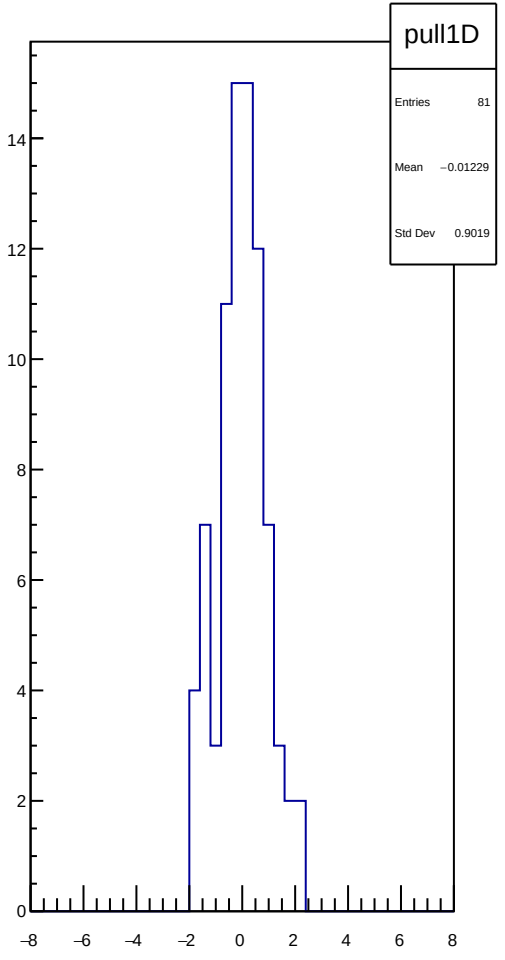

asym_sam4_correction_rms vs run
χ² / ndf 3685 / 80
p0 2489 ± 1.995
2900
2800
2700
2600
2500
2400
2300
2200

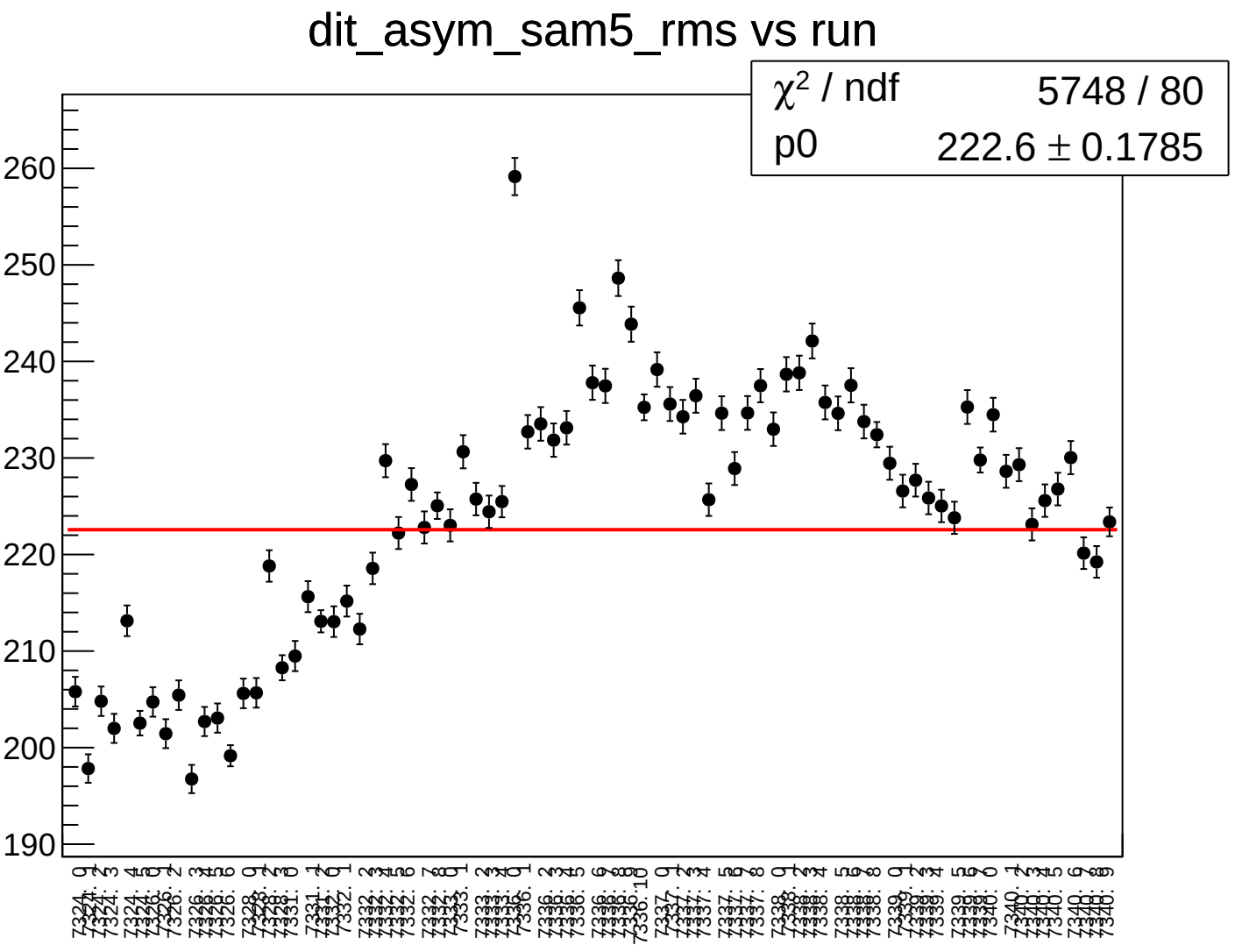

asym_sam4_mean vs run
×10^3
χ² / ndf 74.03 / 80
p0 −242.2 ± 2783
100
50
0
−50
−100
pull
Entries 81
Mean 8353
Std Dev 8309
3
2
1
0
−1
−2

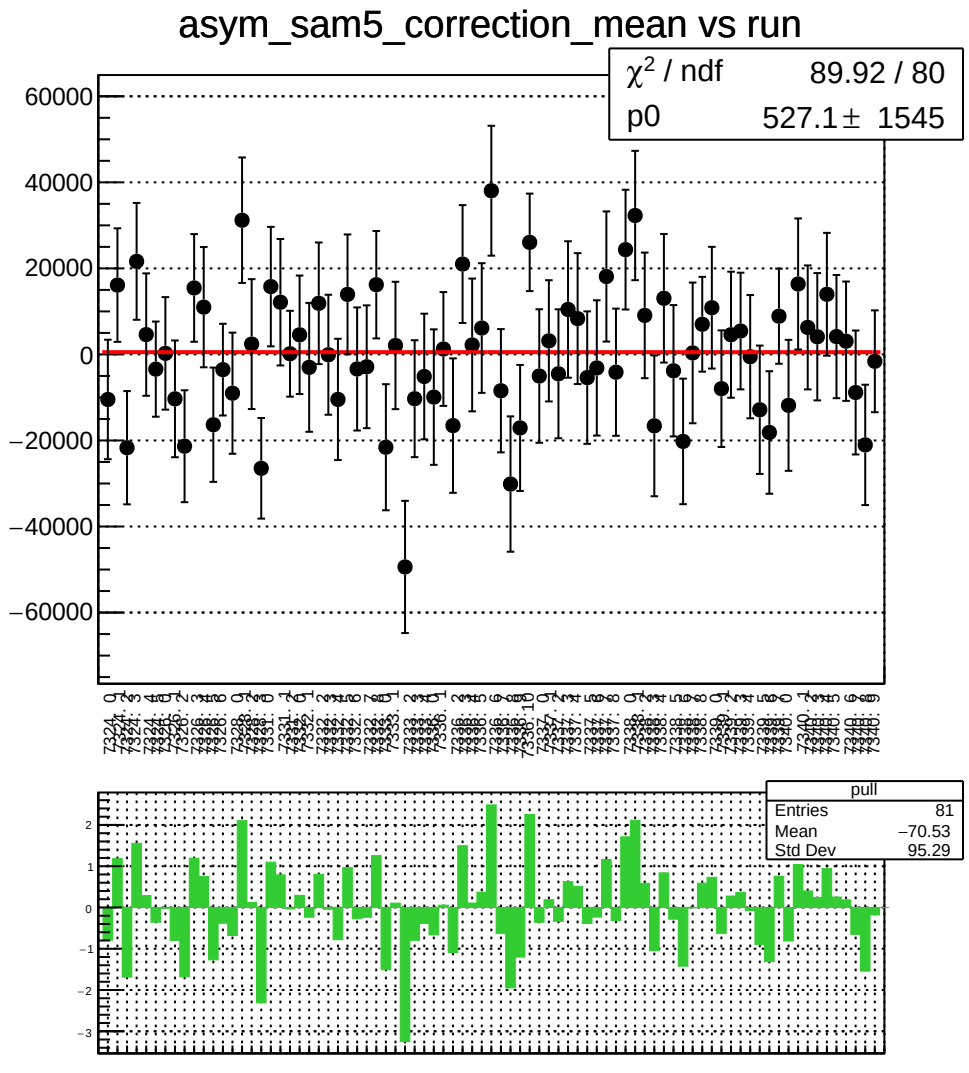

pull1D
Entries 81
Mean −0.0003008
Std Dev 0.956
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

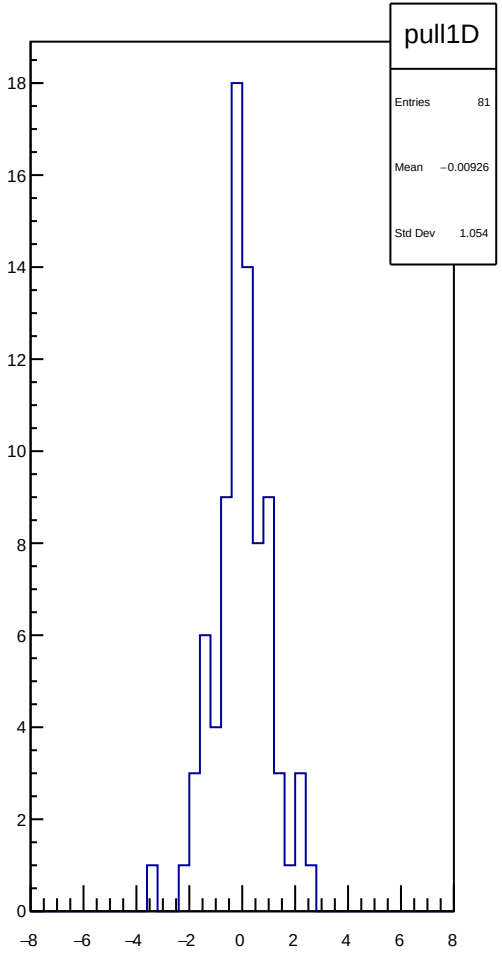

asym_sam4_rms vs run
χ² / ndf 2.244e+04 / 80
p0 2440 ± 1.968
3200
3000
2800
2600
2400
2200
2000

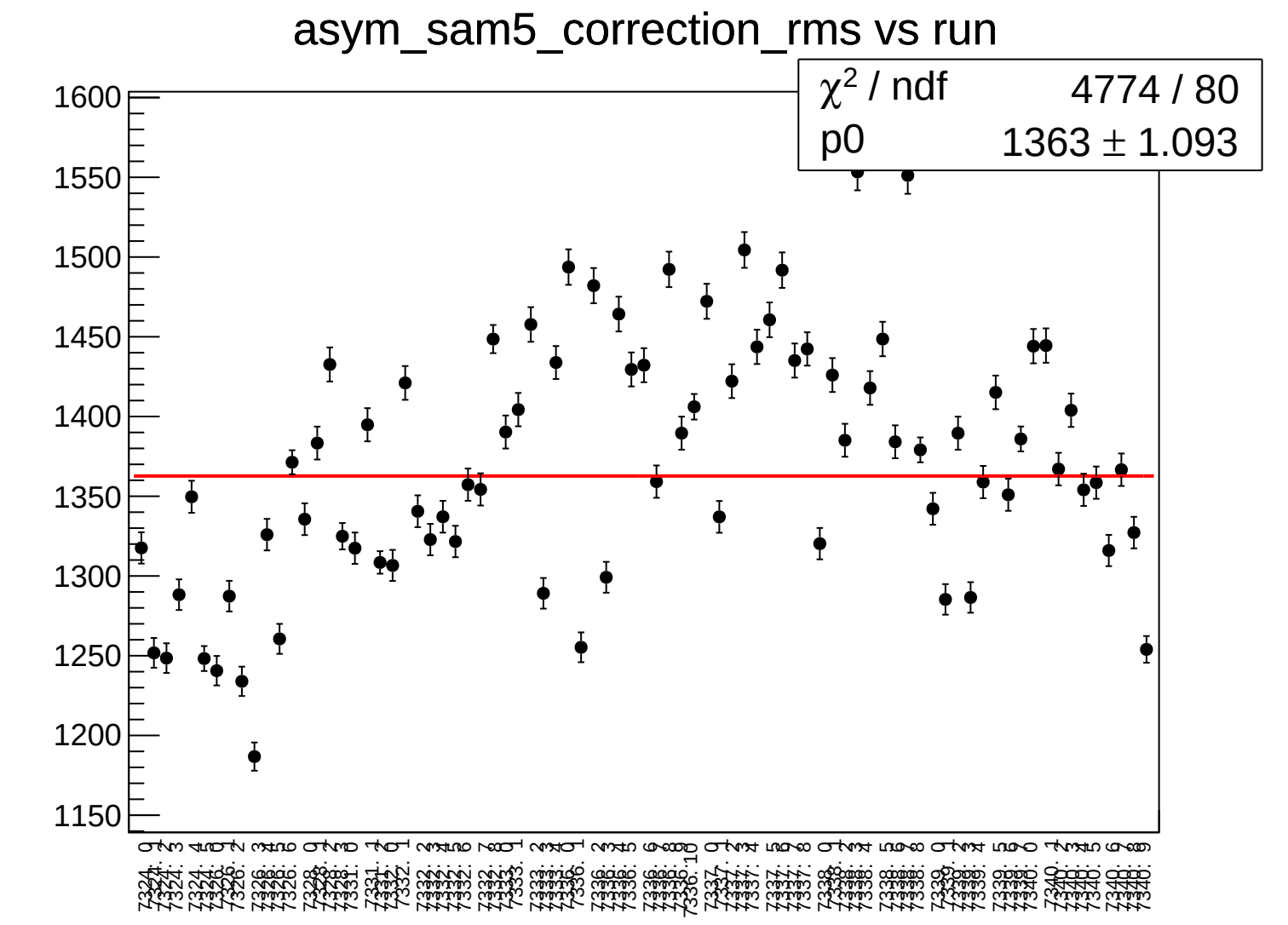

dit_asym_sam5_mean vs run
χ² / ndf 65.9 / 80
p0 3.469 ± 252.5
pull
Entries 81
Mean 441.6
Std Dev 402.2

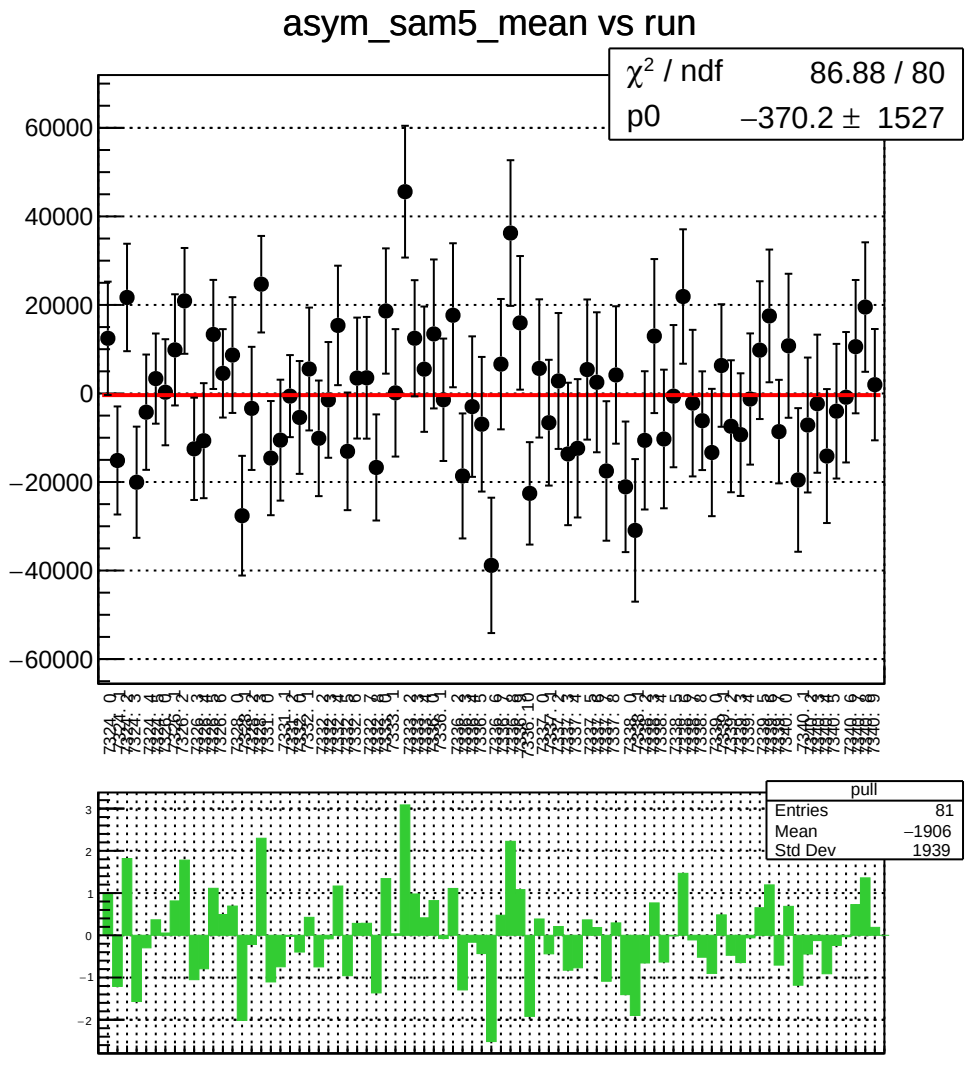

pull1D
Entries 81
Mean −0.01229
Std Dev 0.9019

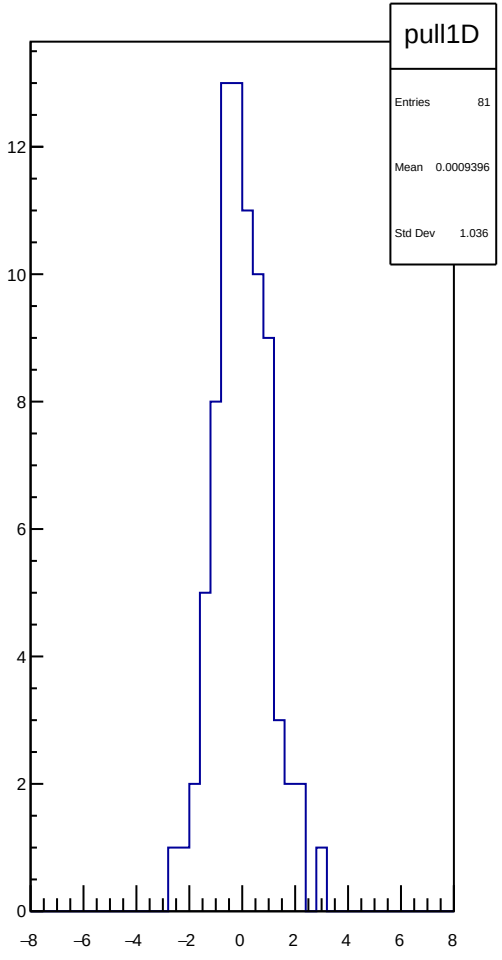

dit_asym_sam5_rms vs run
χ² / ndf 5748 / 80
p0 222.6 ± 0.1785
260
250
240
230
220
210
200
190

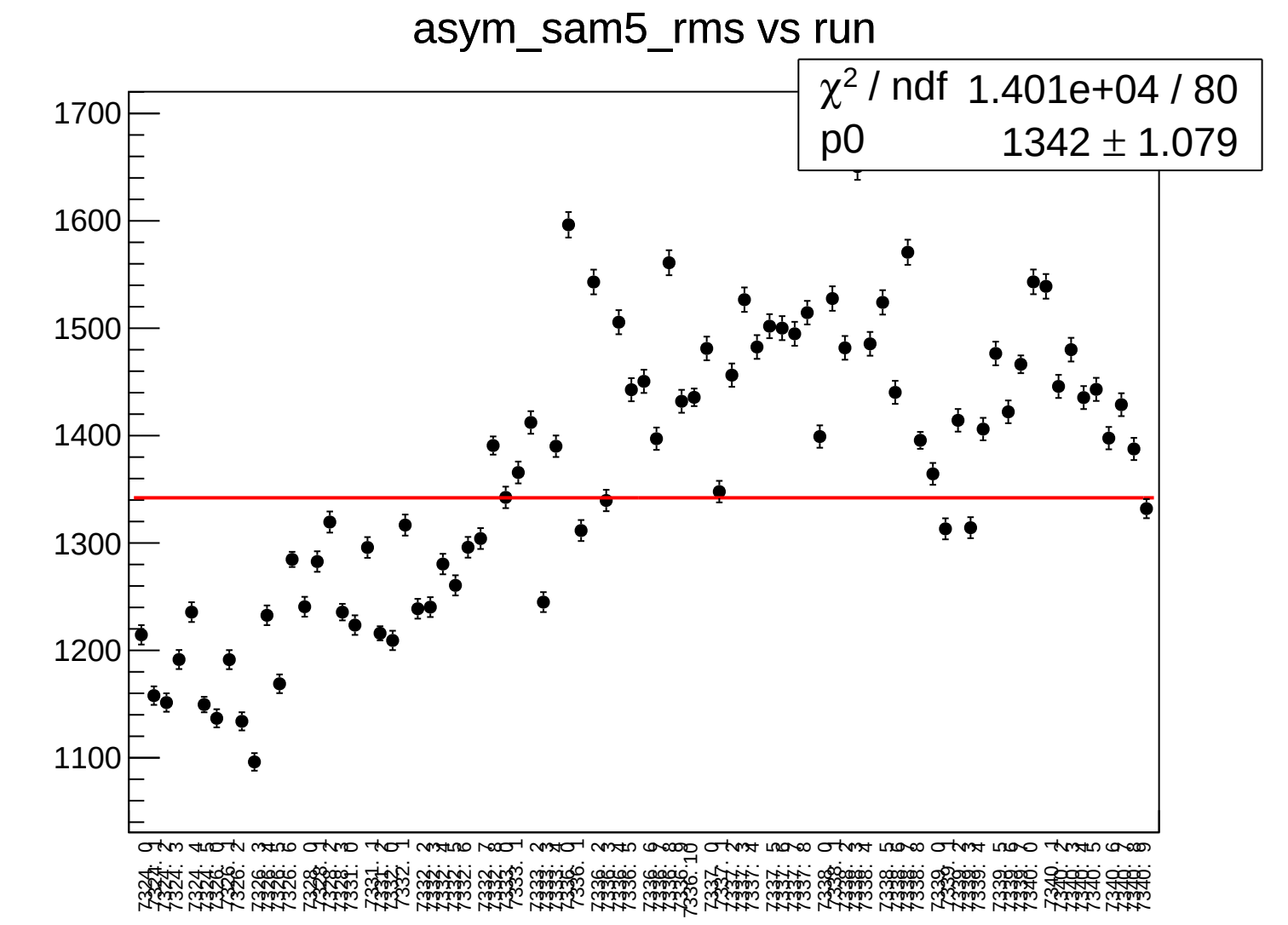

asym_sam5_correction_mean vs run
χ² / ndf 89.92 / 80
p0 527.1± 1545
pull
Entries 81
Mean −70.53
Std Dev 95.29

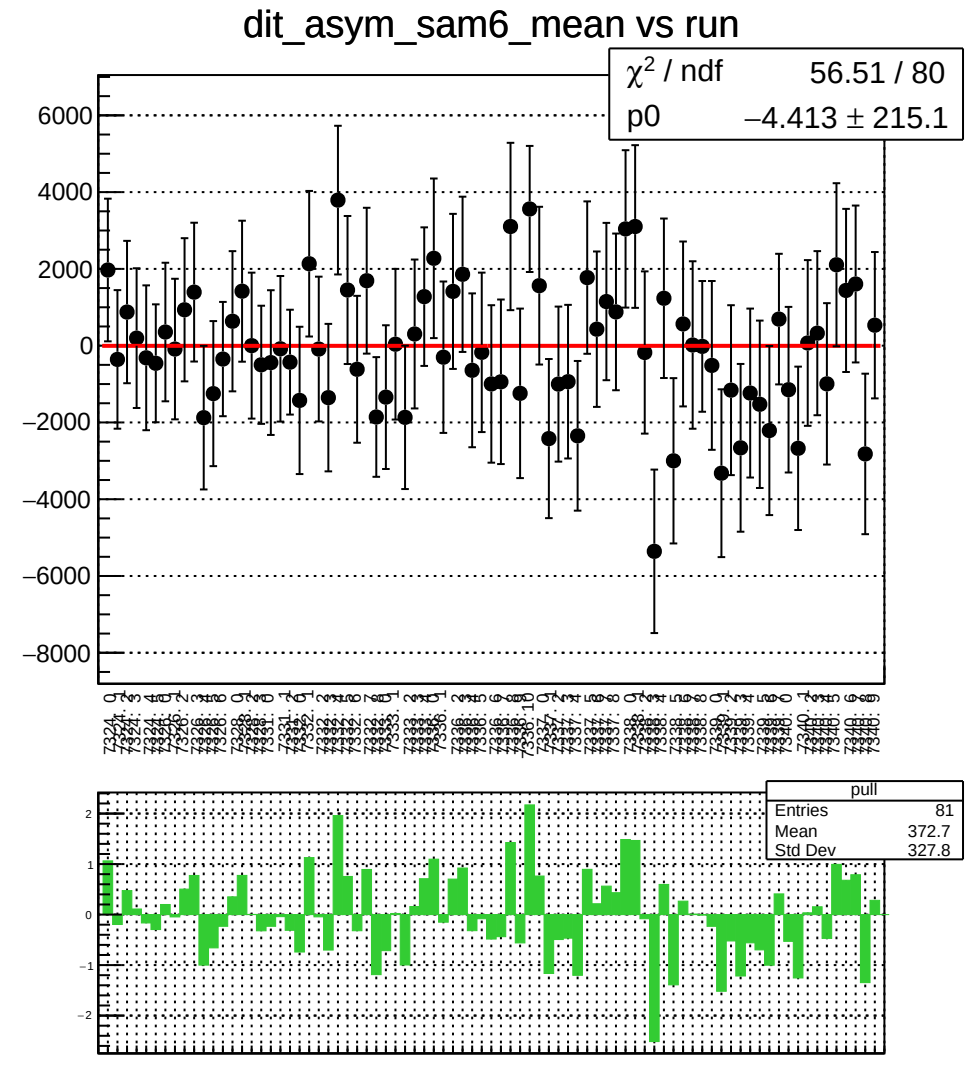

pull1D
Entries 81
Mean −0.00926
Std Dev 1.054

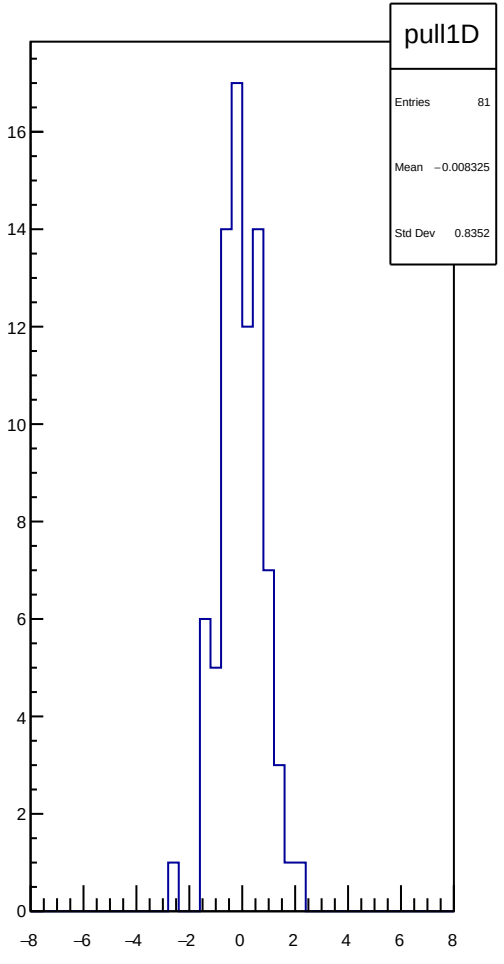

asym_sam5_correction_rms vs run
χ² / ndf 4774 / 80
p0 1363 ± 1.093
1600
1550
1500
1450
1400
1350
1300
1250
1200
1150

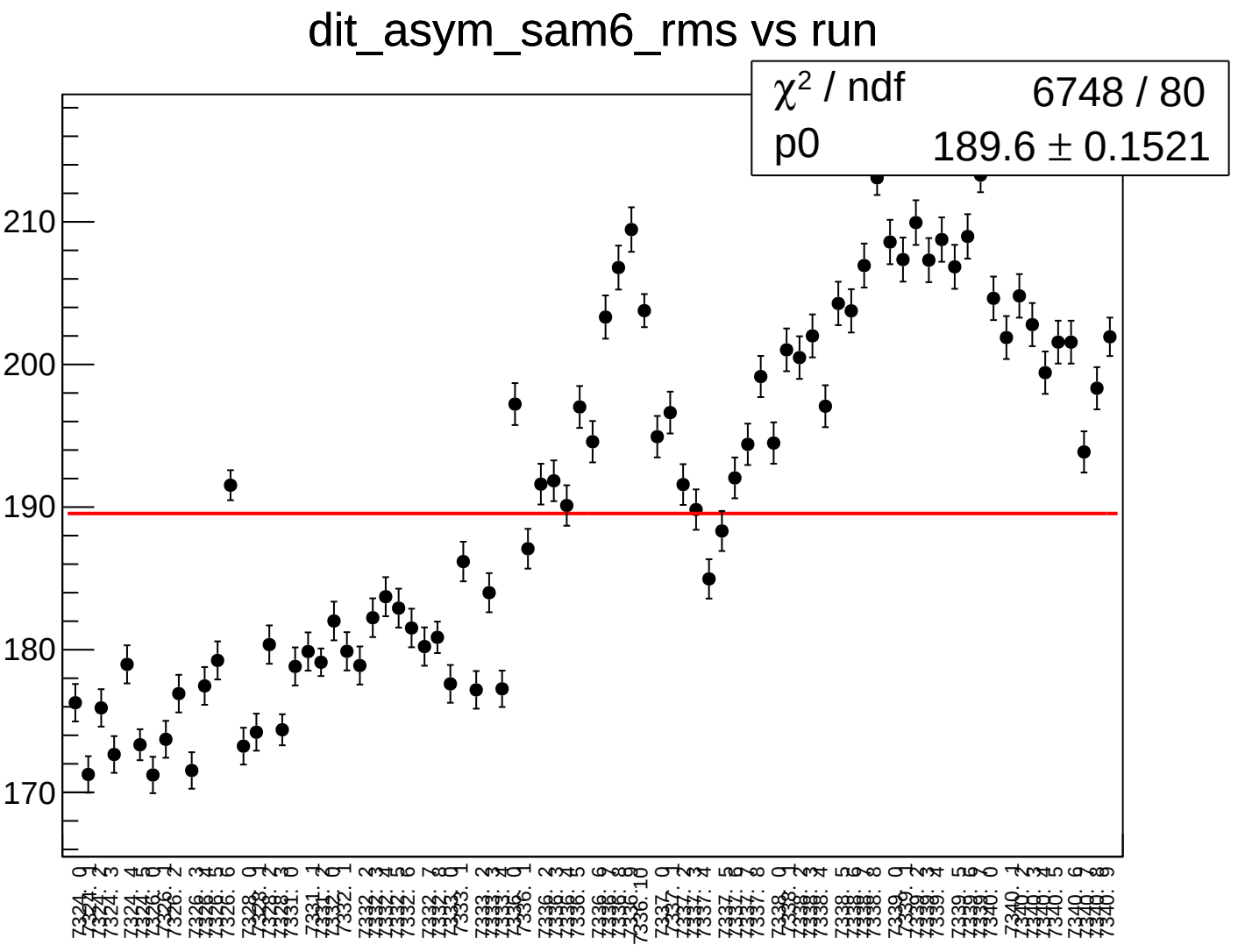

asym_sam5_mean vs run
χ² / ndf 86.88 / 80
p0 −370.2 ± 1527
pull
Entries 81
Mean −1906
Std Dev 1939

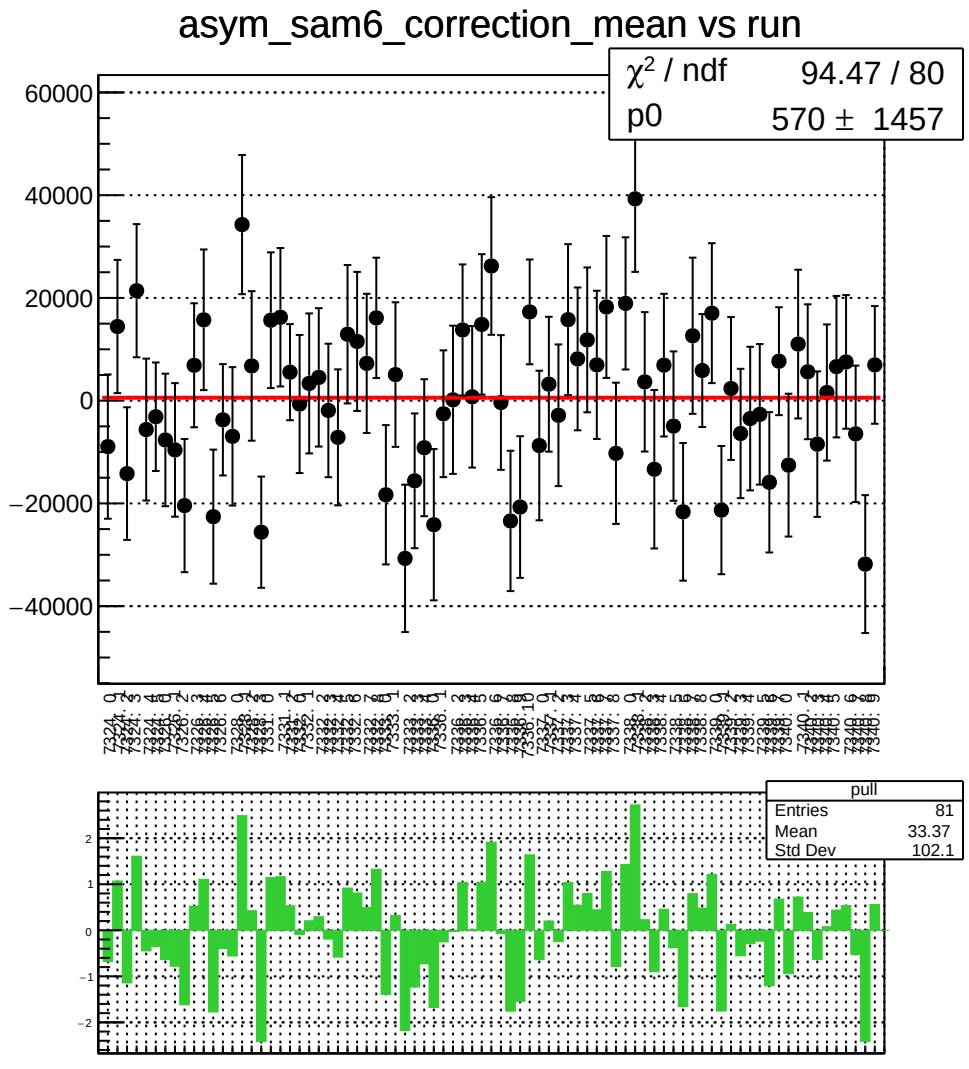

pull1D
Entries 81
Mean 0.0009396
Std Dev 1.036

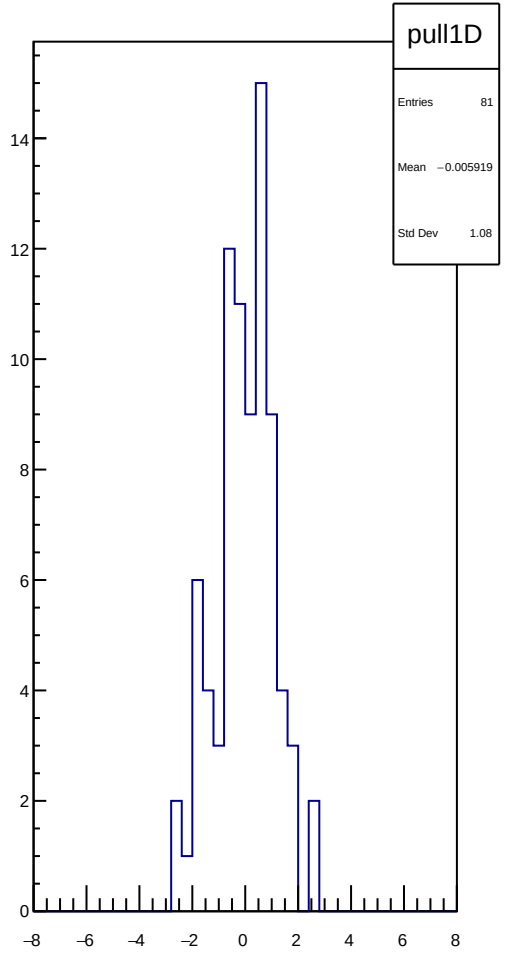

asym_sam5_rms vs run
χ² / ndf 1.401e+04 / 80
p0 1342 ± 1.079
1700
1600
1500
1400
1300
1200
1100

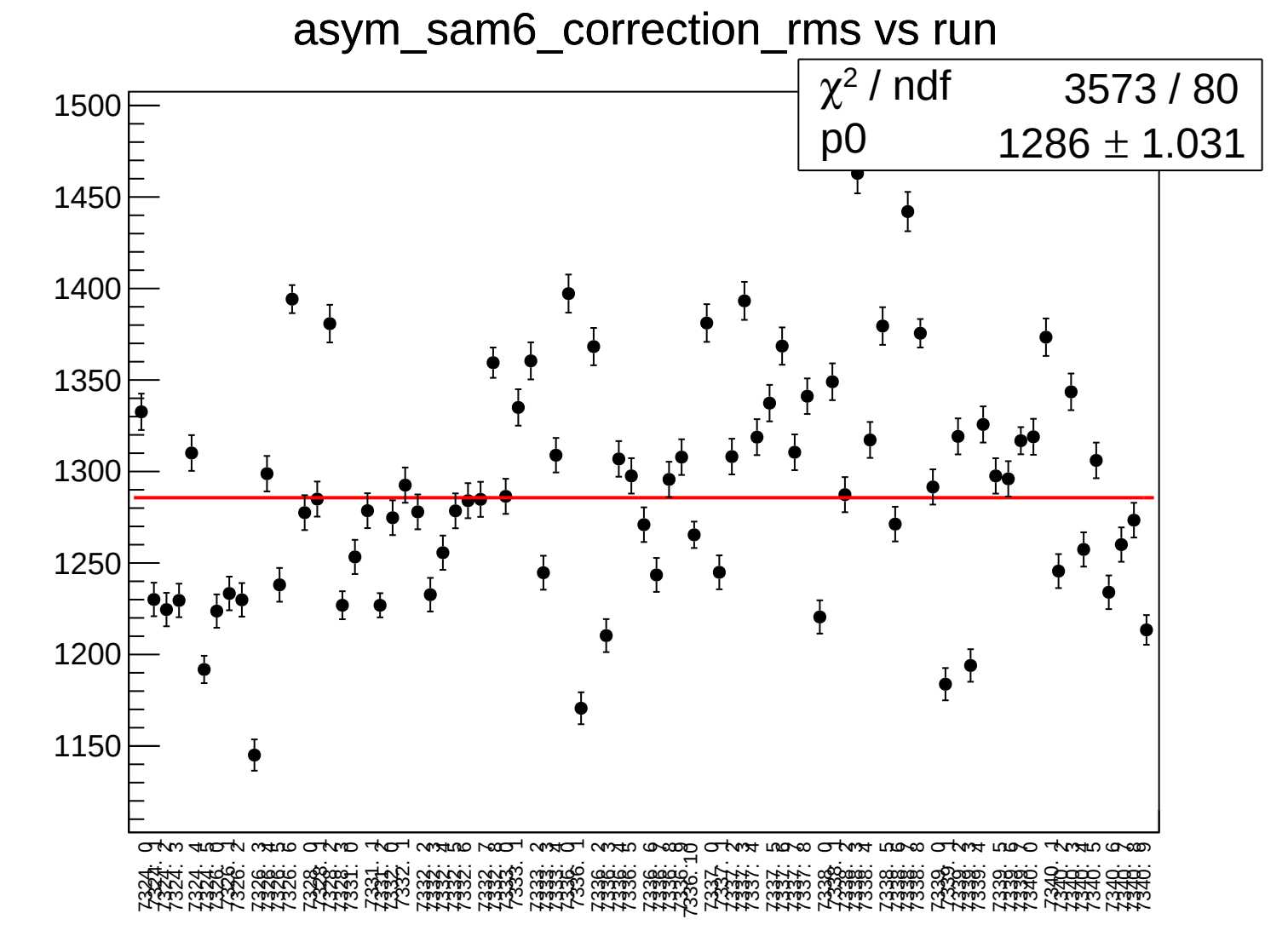

dit_asym_sam6_mean vs run
χ^2 / ndf 56.51 / 80
p0 −4.413 ± 215.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 81
Mean 372.7
Std Dev 327.8
2
1
0
−1
−2

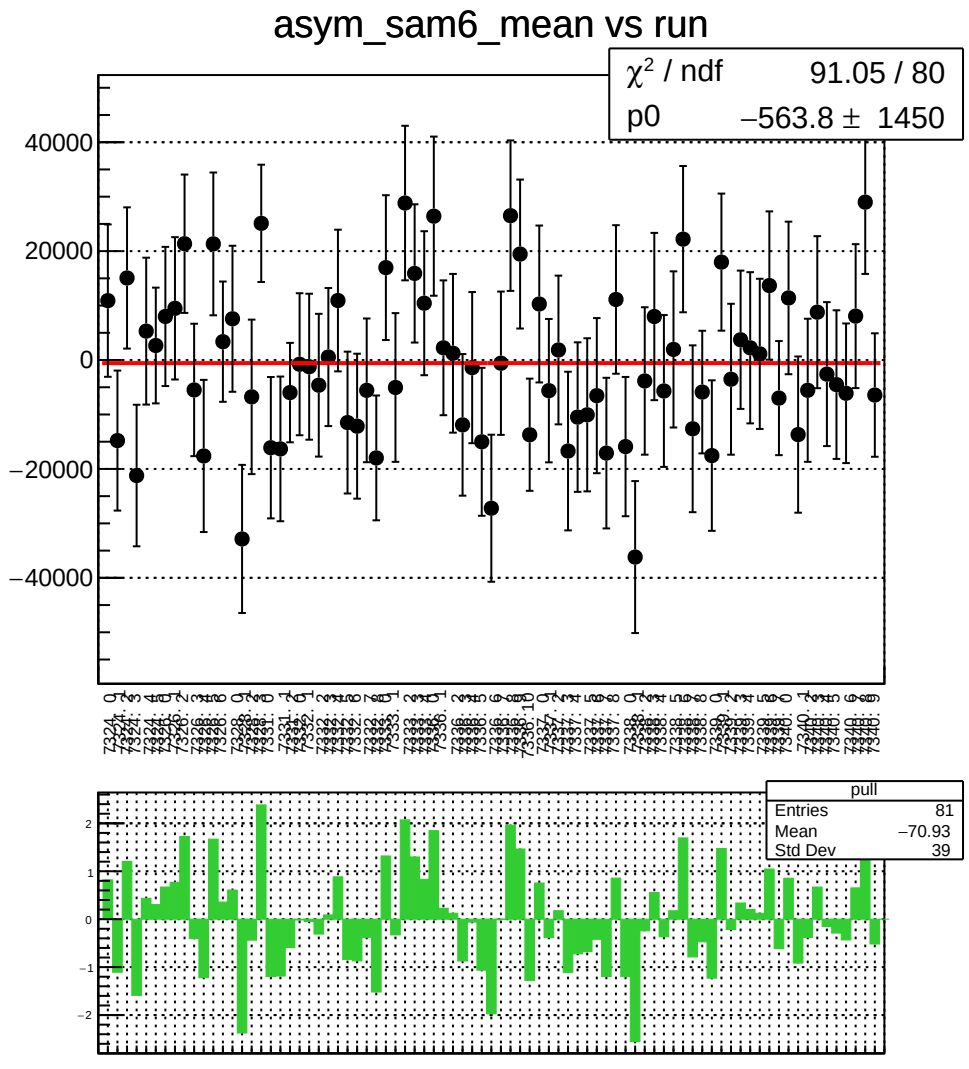

pull1D
Entries 81
Mean −0.008325
Std Dev 0.8352
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

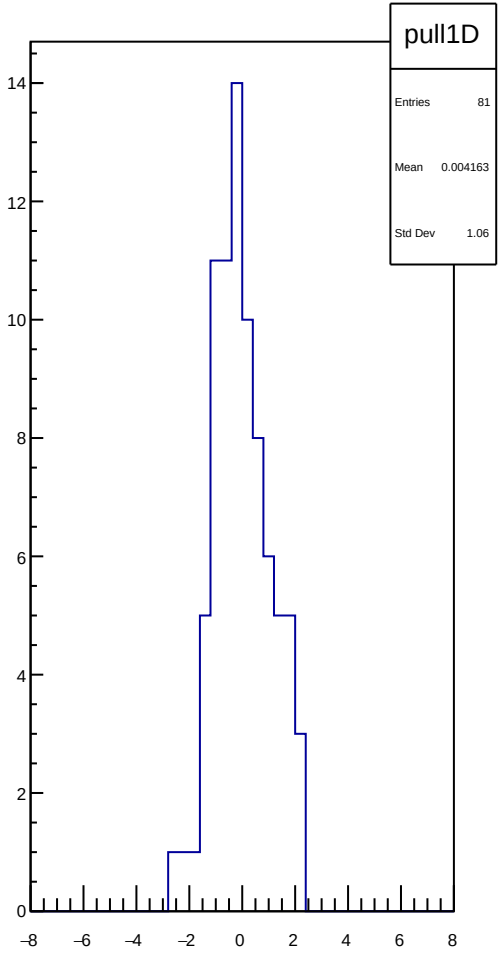

dit_asym_sam6_rms vs run
χ² / ndf 6748 / 80
p0 189.6 ± 0.1521
210
200
190
180
170

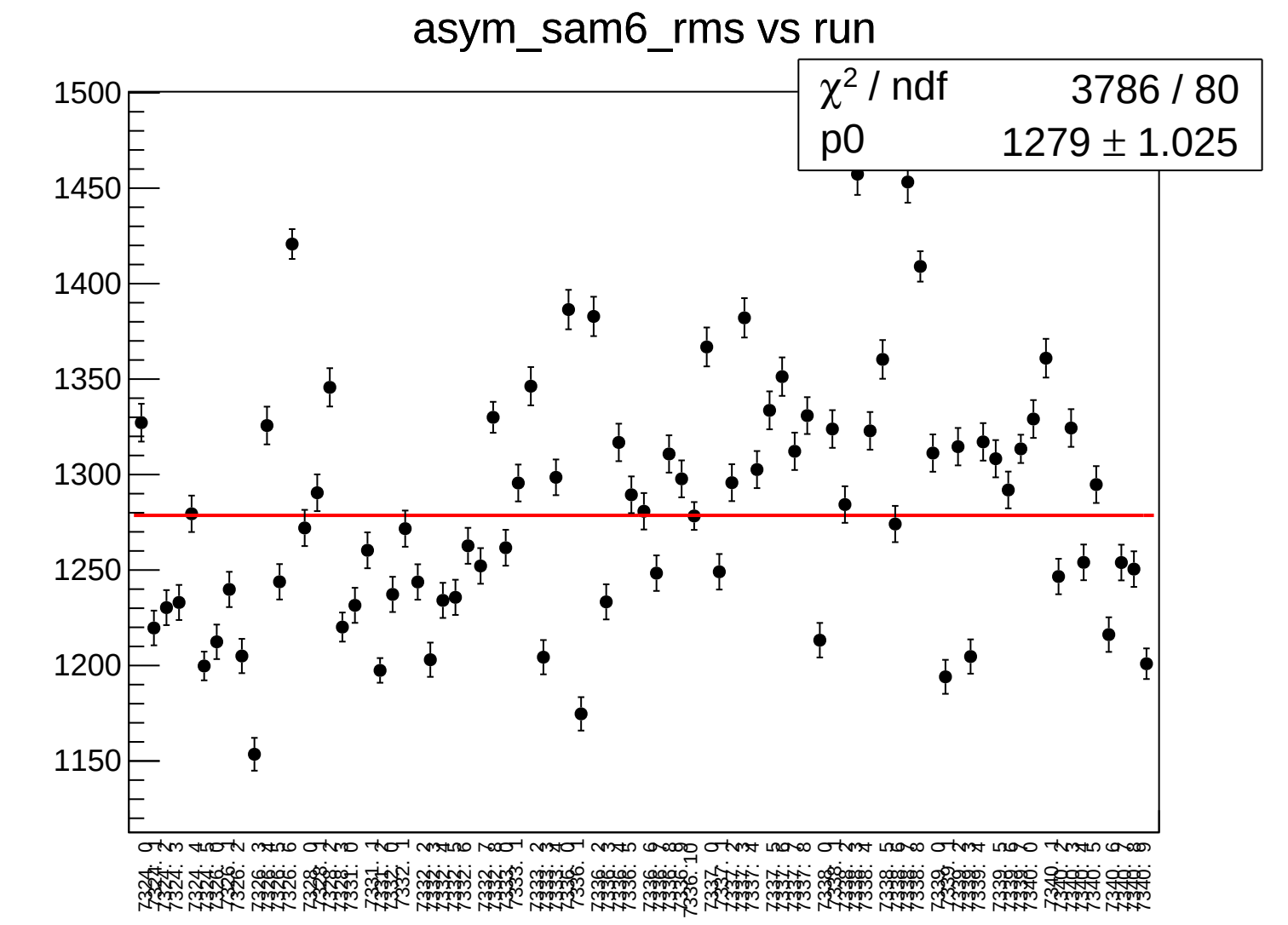

asym_sam6_correction_mean vs run
χ² / ndf 94.47 / 80
p0 570 ± 1457
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 33.37
Std Dev 102.1
2
1
0
−1
−2

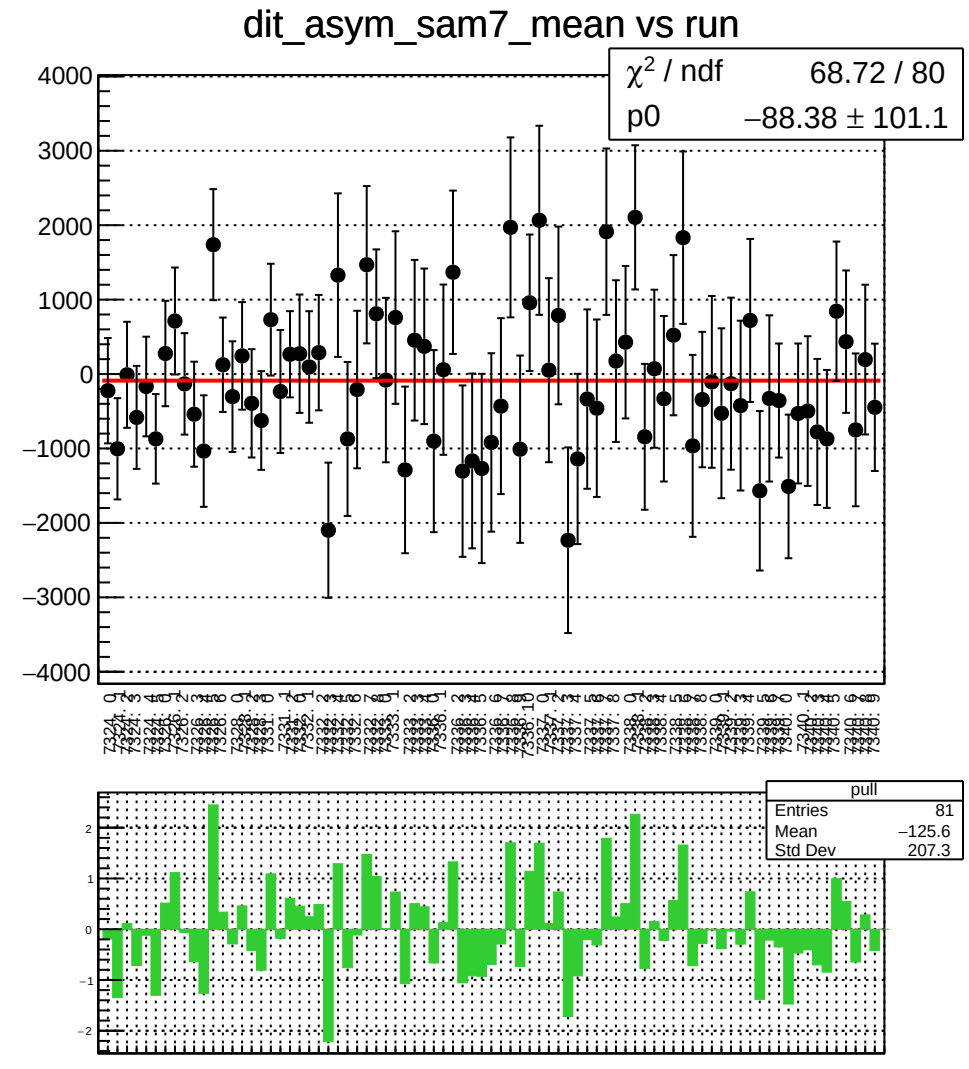

pull1D
Entries 81
Mean −0.005919
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

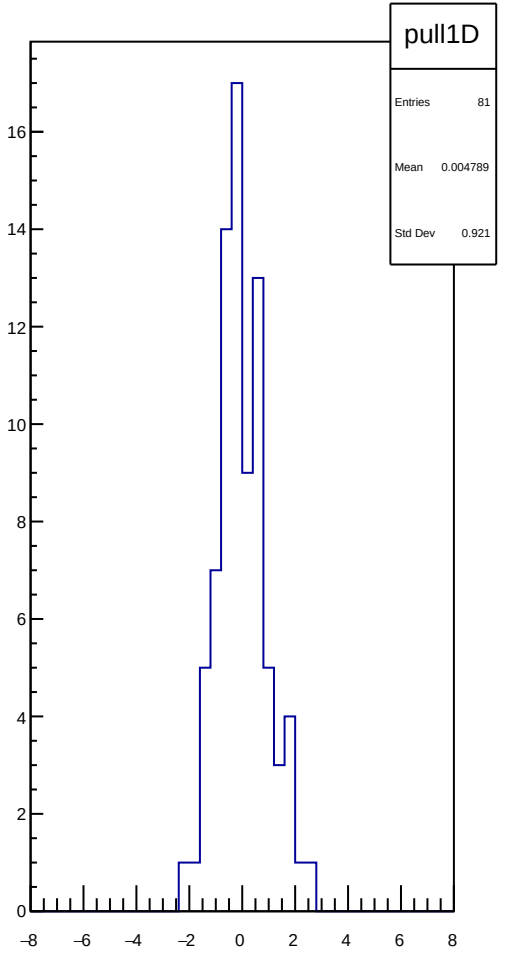

asym_sam6_correction_rms vs run
χ² / ndf 3573 / 80
p0 1286 ± 1.031
1500
1450
1400
1350
1300
1250
1200
1150

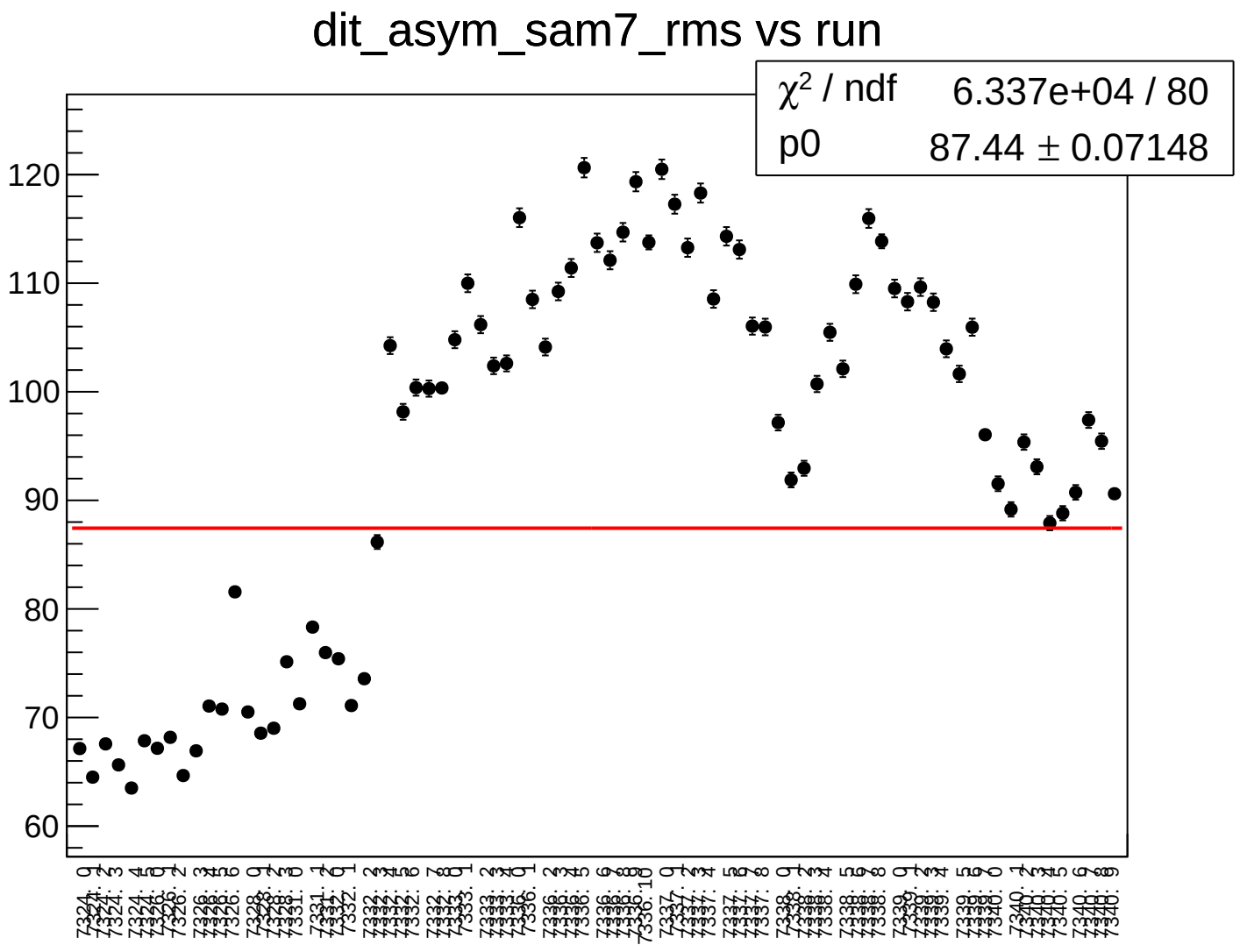

asym_sam6_mean vs run
χ² / ndf 91.05 / 80
p0 −563.8 ± 1450
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −70.93
Std Dev 39
2
1
0
−1
−2

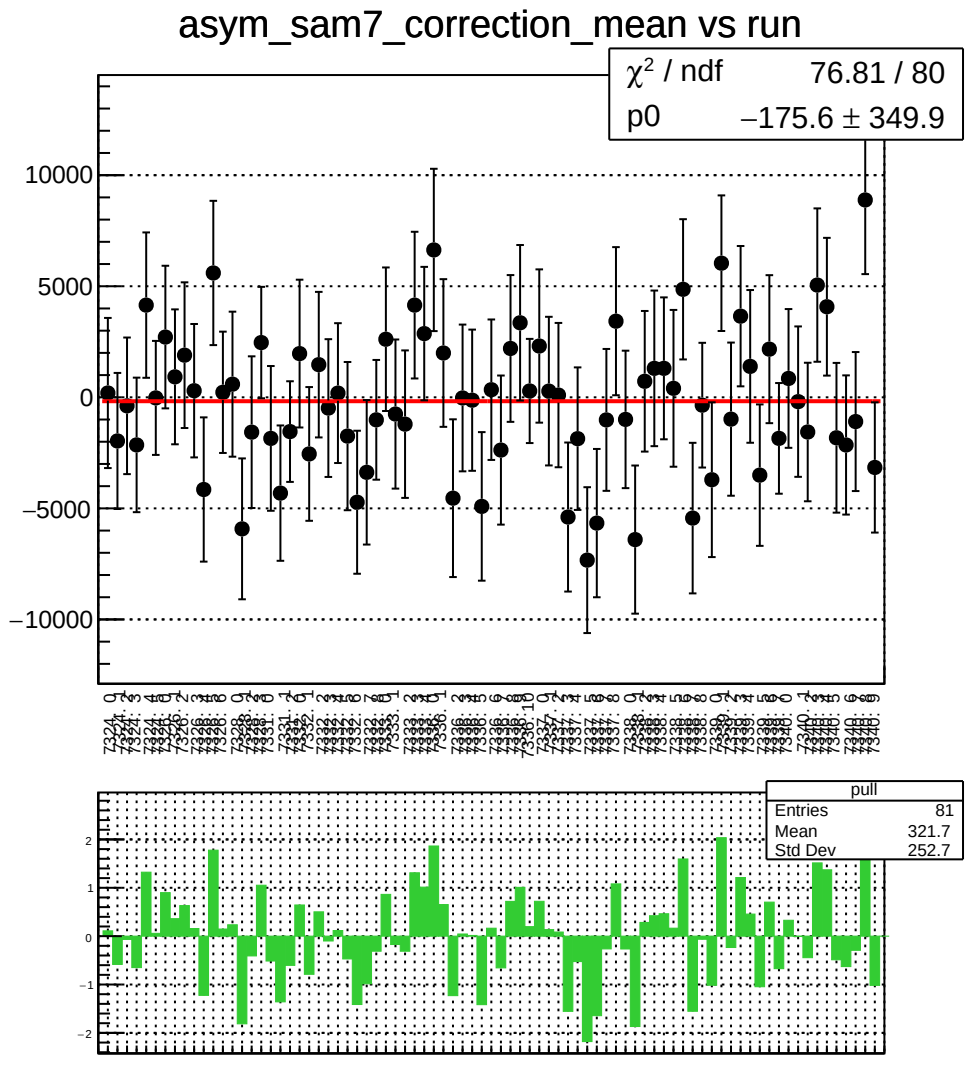

pull1D
Entries 81
Mean 0.004163
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

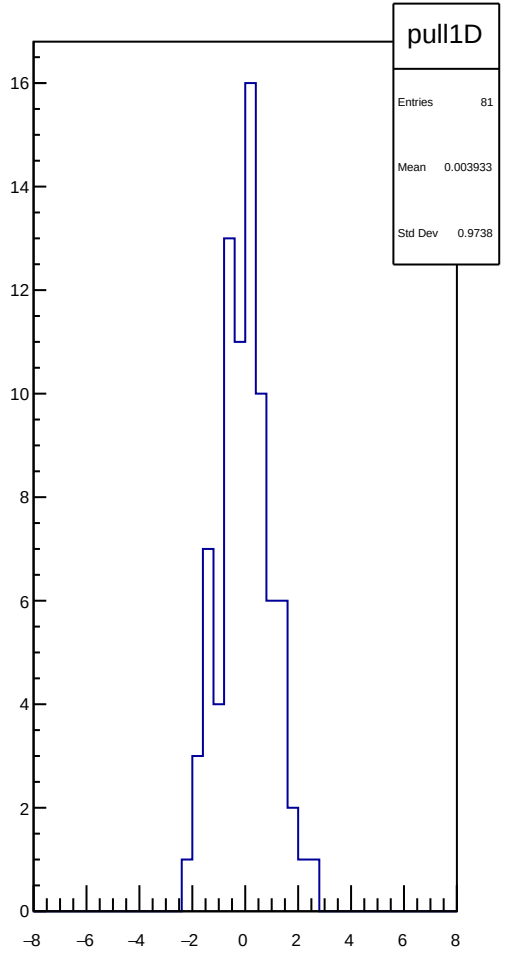

asym_sam6_rms vs run
χ² / ndf 3786 / 80
p0 1279 ± 1.025
1500
1450
1400
1350
1300
1250
1200
1150

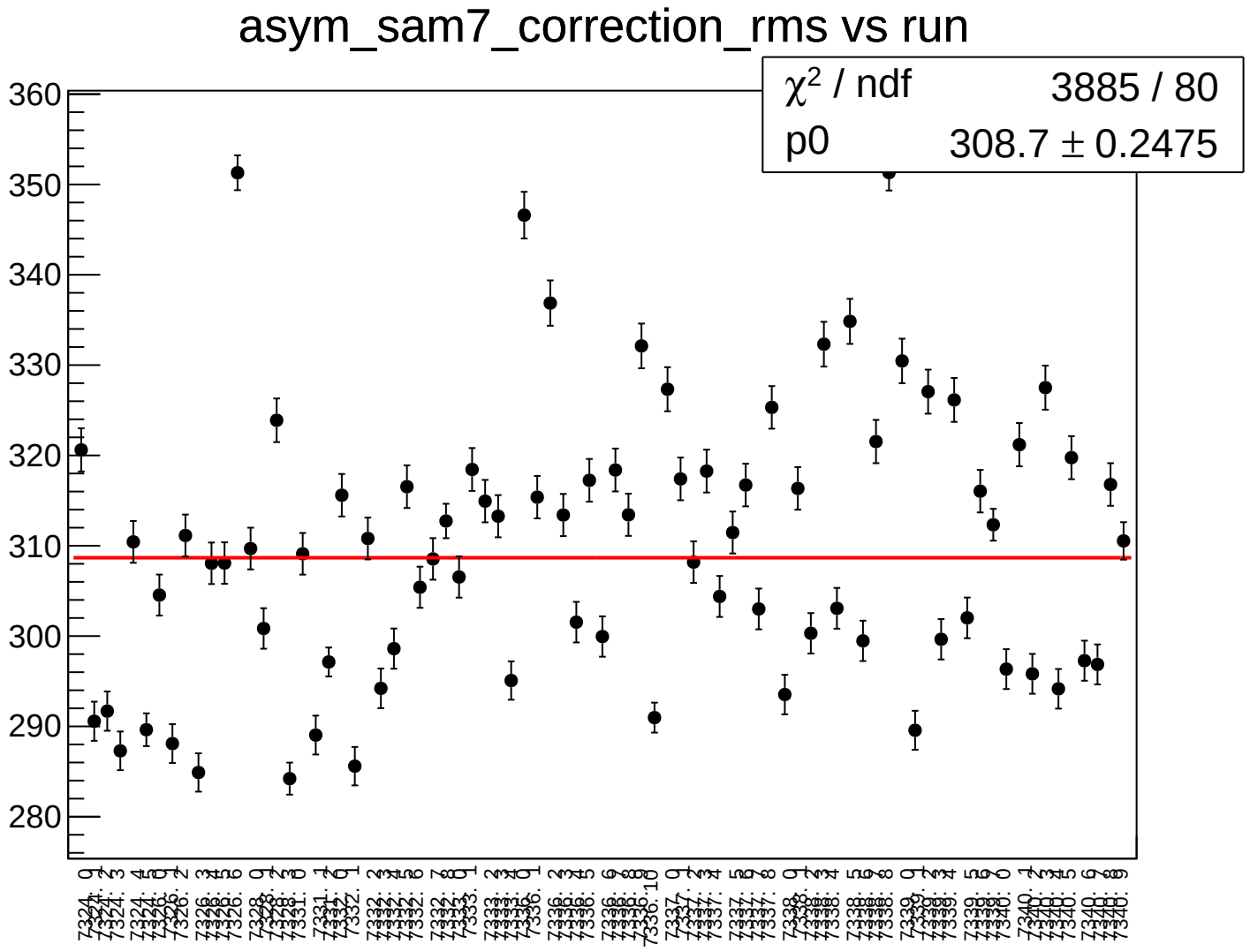

dit_asym_sam7_mean vs run
χ² / ndf 68.72 / 80
p0 −88.38 ± 101.1
pull
Entries 81
Mean −125.6
Std Dev 207.3

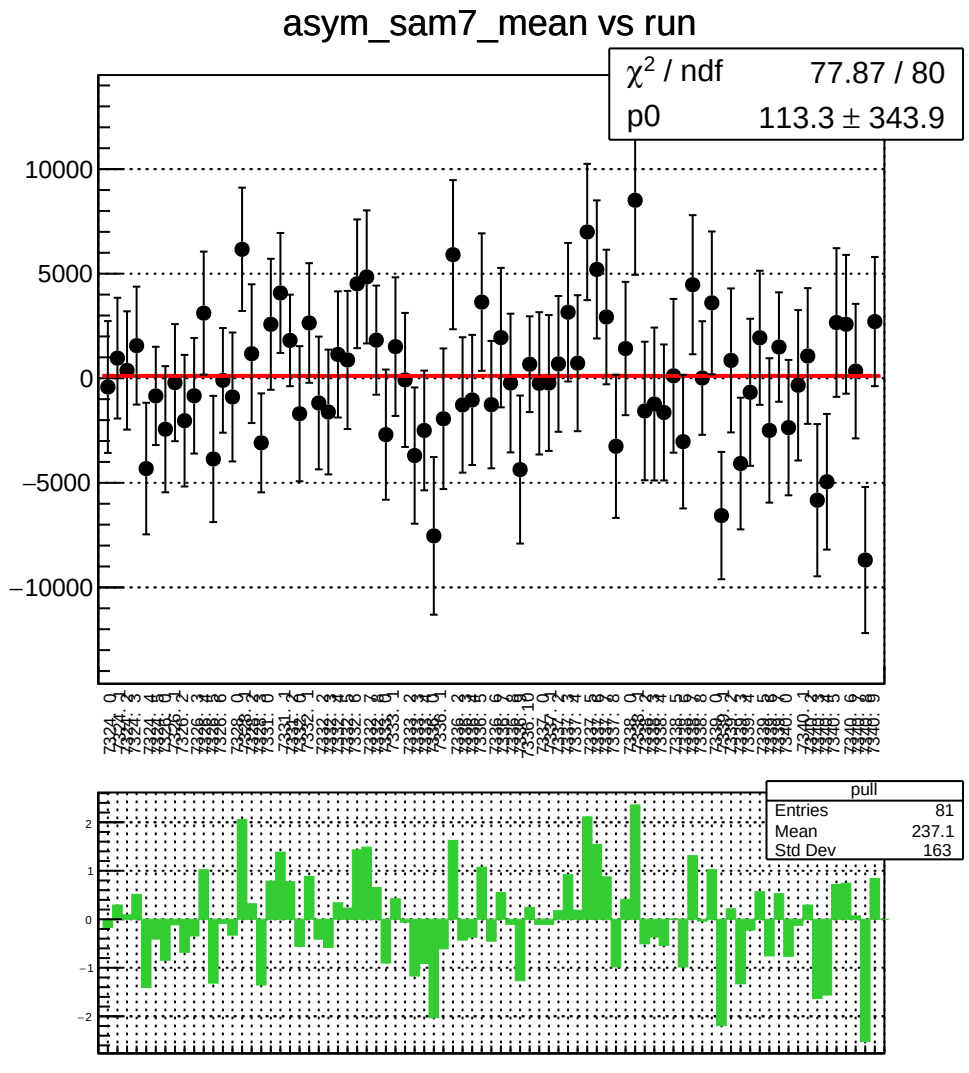

pull1D
Entries 81
Mean 0.004789
Std Dev 0.921

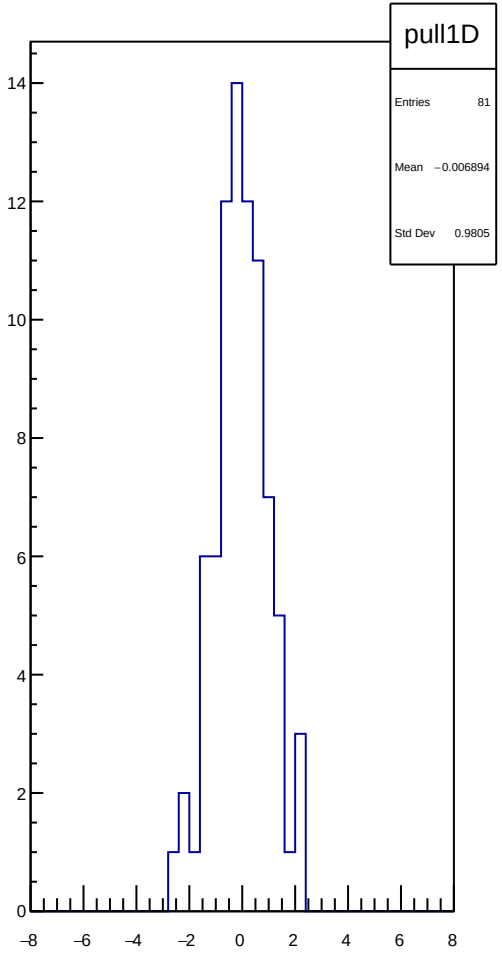

dit_asym_sam7_rms vs run
χ^2 / ndf 6.337e+04 / 80
p0 87.44 ± 0.07148
120
110
100
90
80
70
60

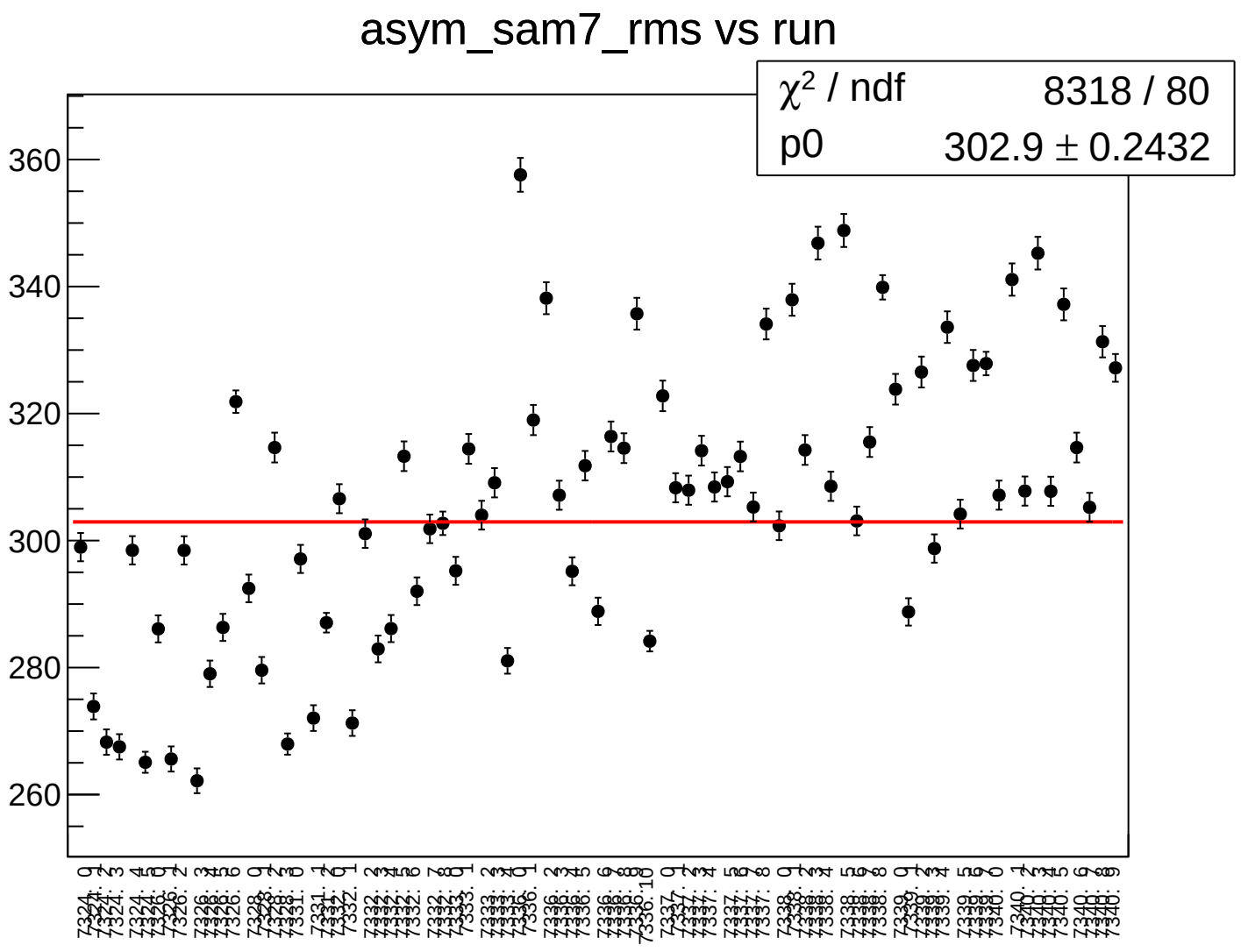

asym_sam7_correction_mean vs run
χ² / ndf 76.81 / 80
p0 −175.6 ± 349.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 321.7
Std Dev 252.7
2
1
0
−1
−2

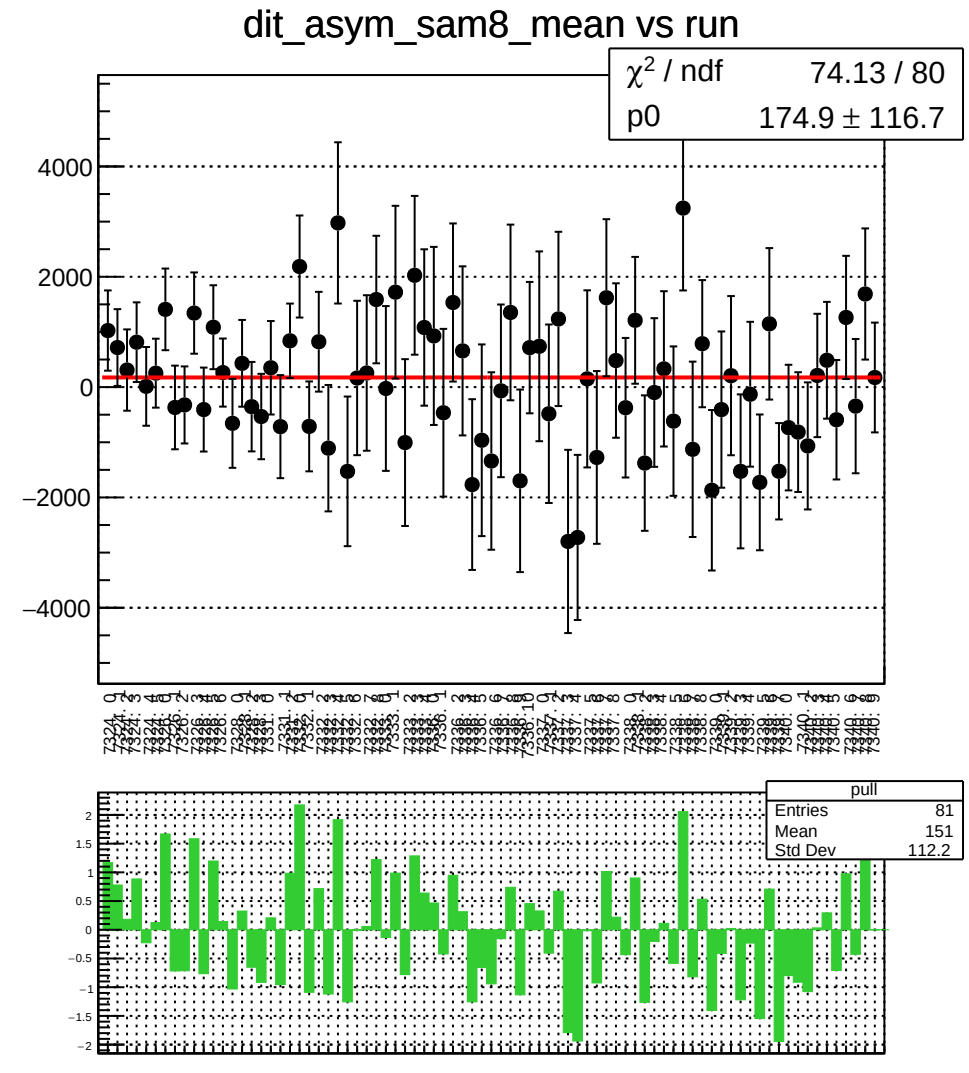

pull1D
Entries 81
Mean 0.003933
Std Dev 0.9738
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

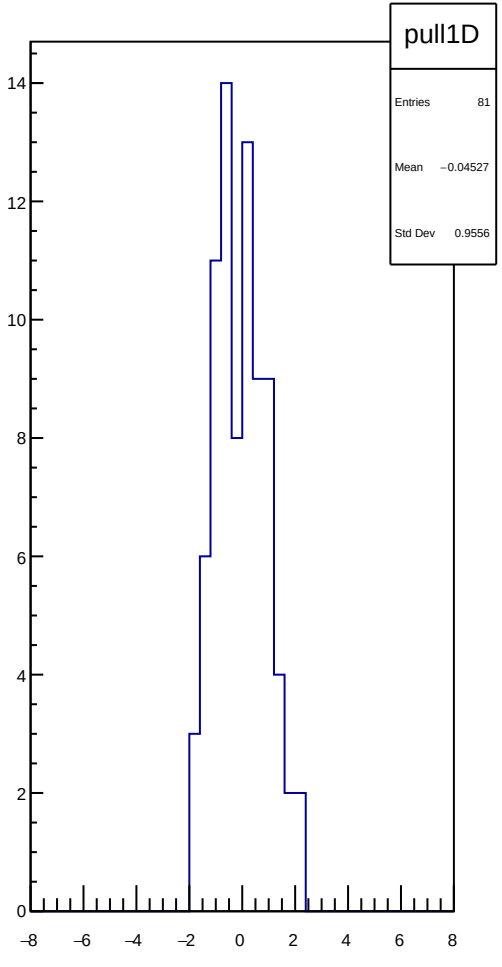

asym_sam7_correction_rms vs run
χ² / ndf 3885 / 80
p0 308.7 ± 0.2475
360
350
340
330
320
310
300
290
280

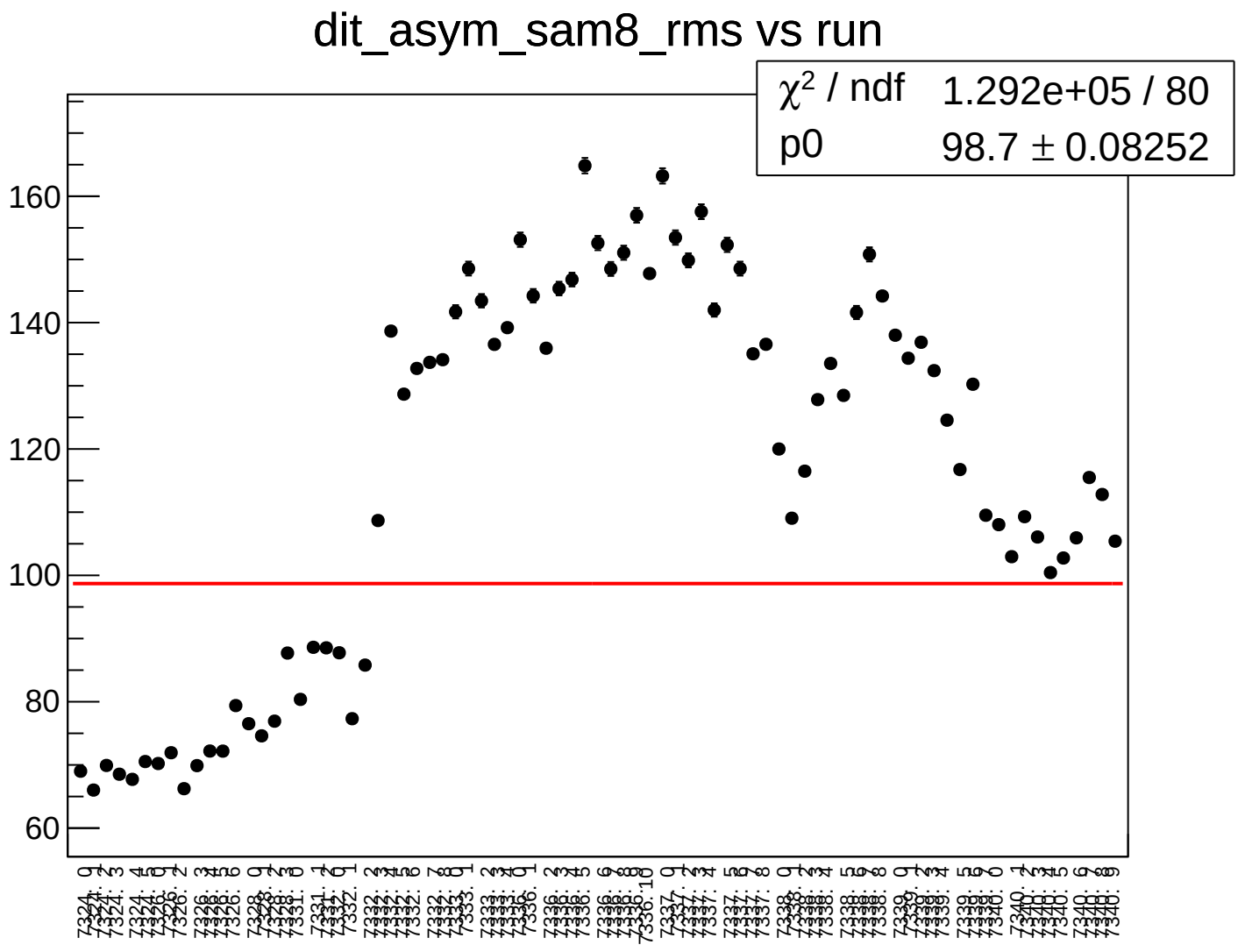

asym_sam7_mean vs run
χ^2 / ndf 77.87 / 80
p0 113.3 ± 343.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 237.1
Std Dev 163
2
1
0
−1
−2

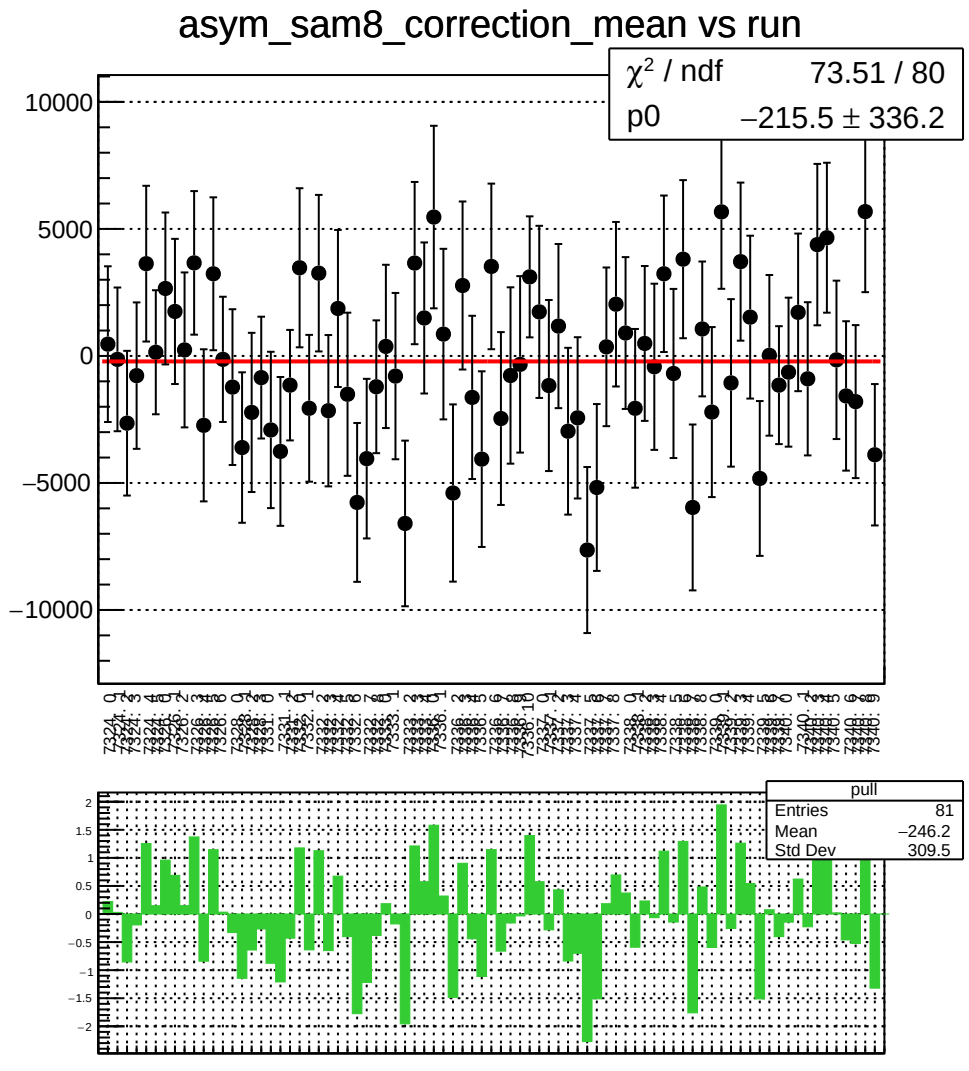

pull1D
Entries 81
Mean −0.006894
Std Dev 0.9805
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

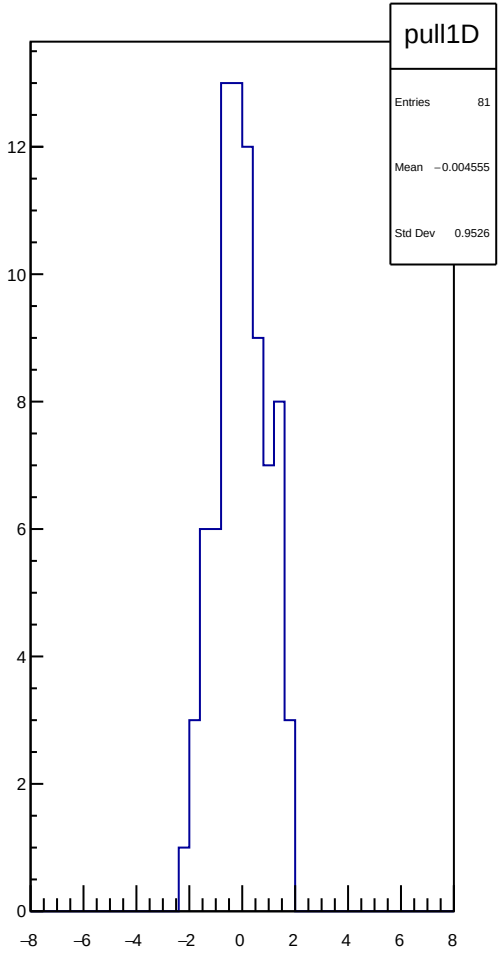

asym_sam7_rms vs run
χ² / ndf 8318 / 80
p0 302.9 ± 0.2432
360
340
320
300
280
260

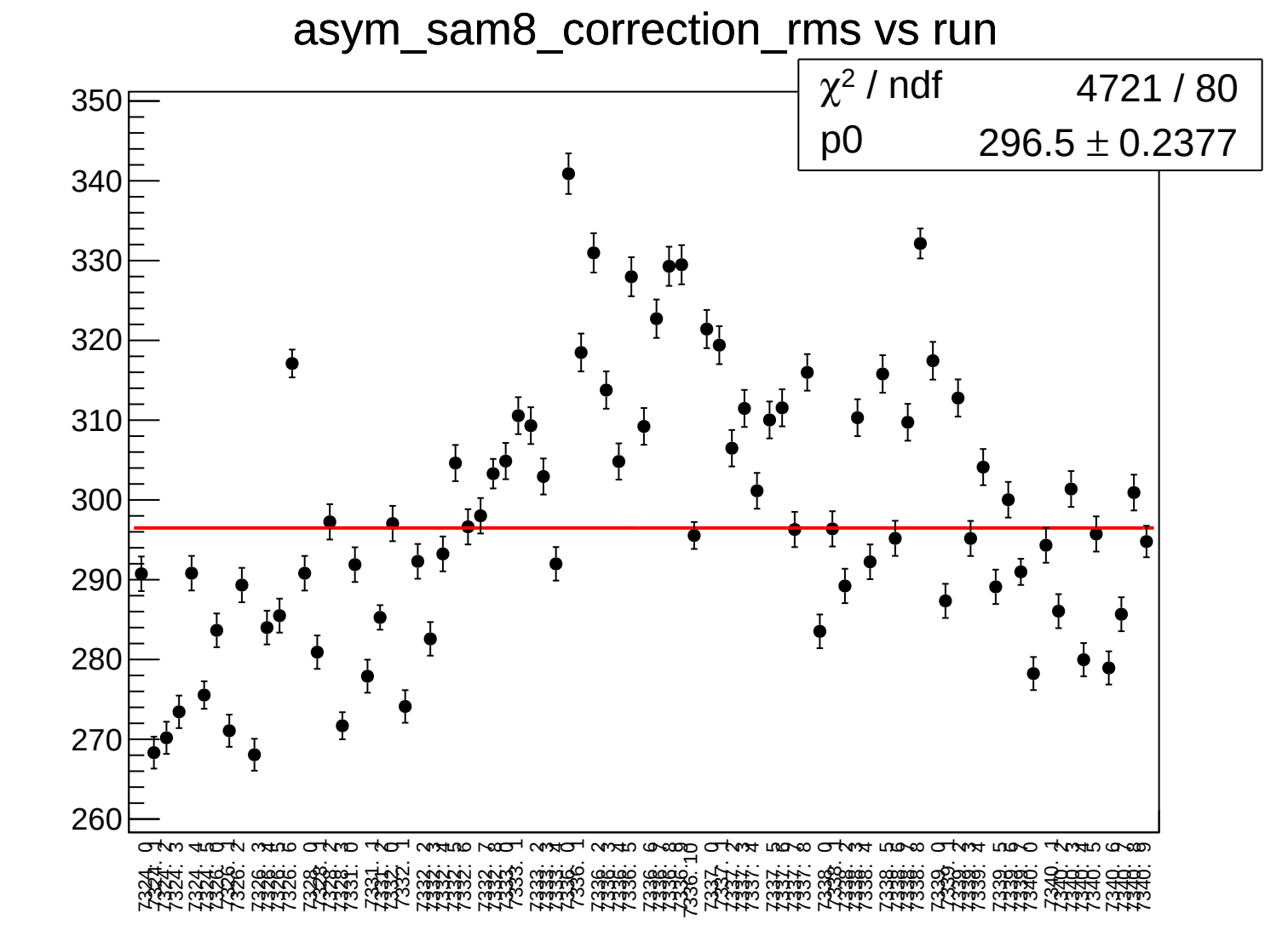

dit_asym_sam8_mean vs run
χ^2 / ndf 74.13 / 80
p0 174.9 ± 116.7
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 151
Std Dev 112.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

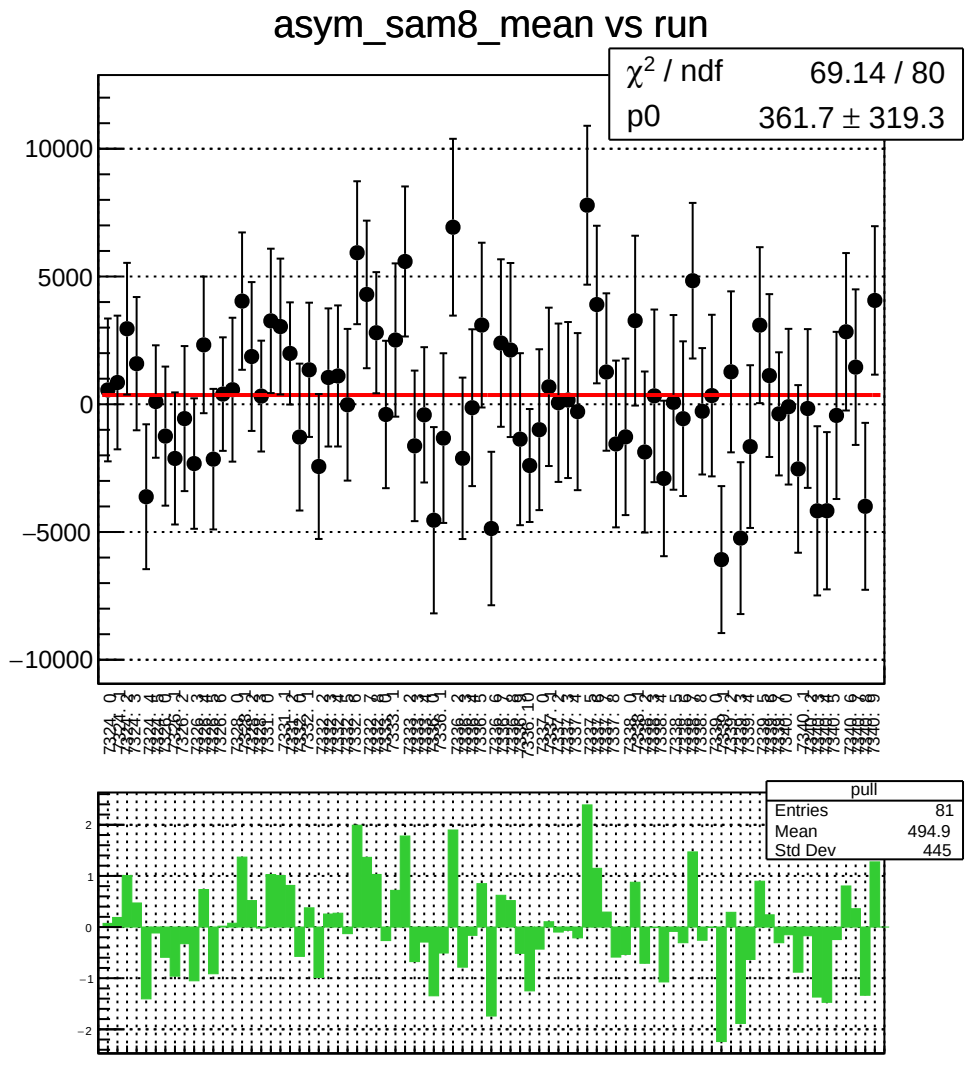

pull1D
Entries 81
Mean −0.04527
Std Dev 0.9556
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

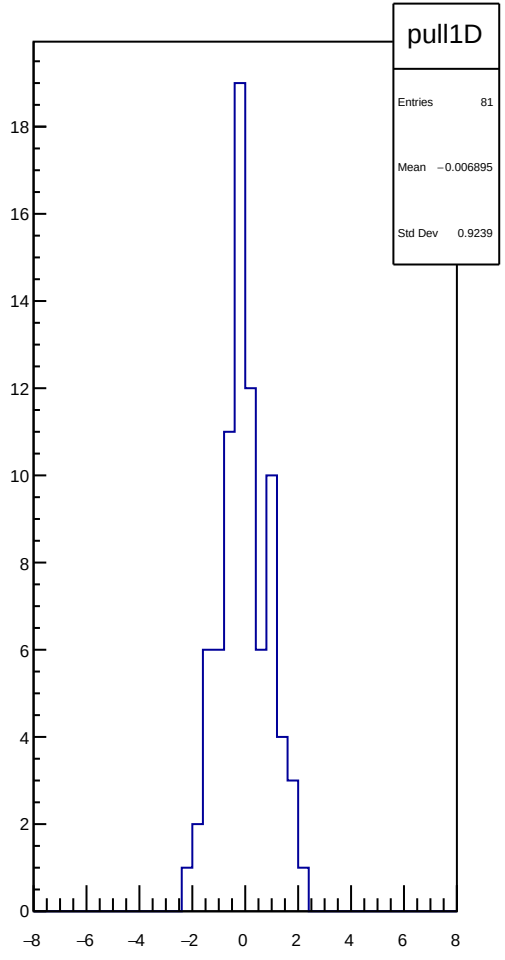

dit_asym_sam8_rms vs run
χ² / ndf 1.292e+05 / 80
p0 98.7 ± 0.08252
160
140
120
100
80
60

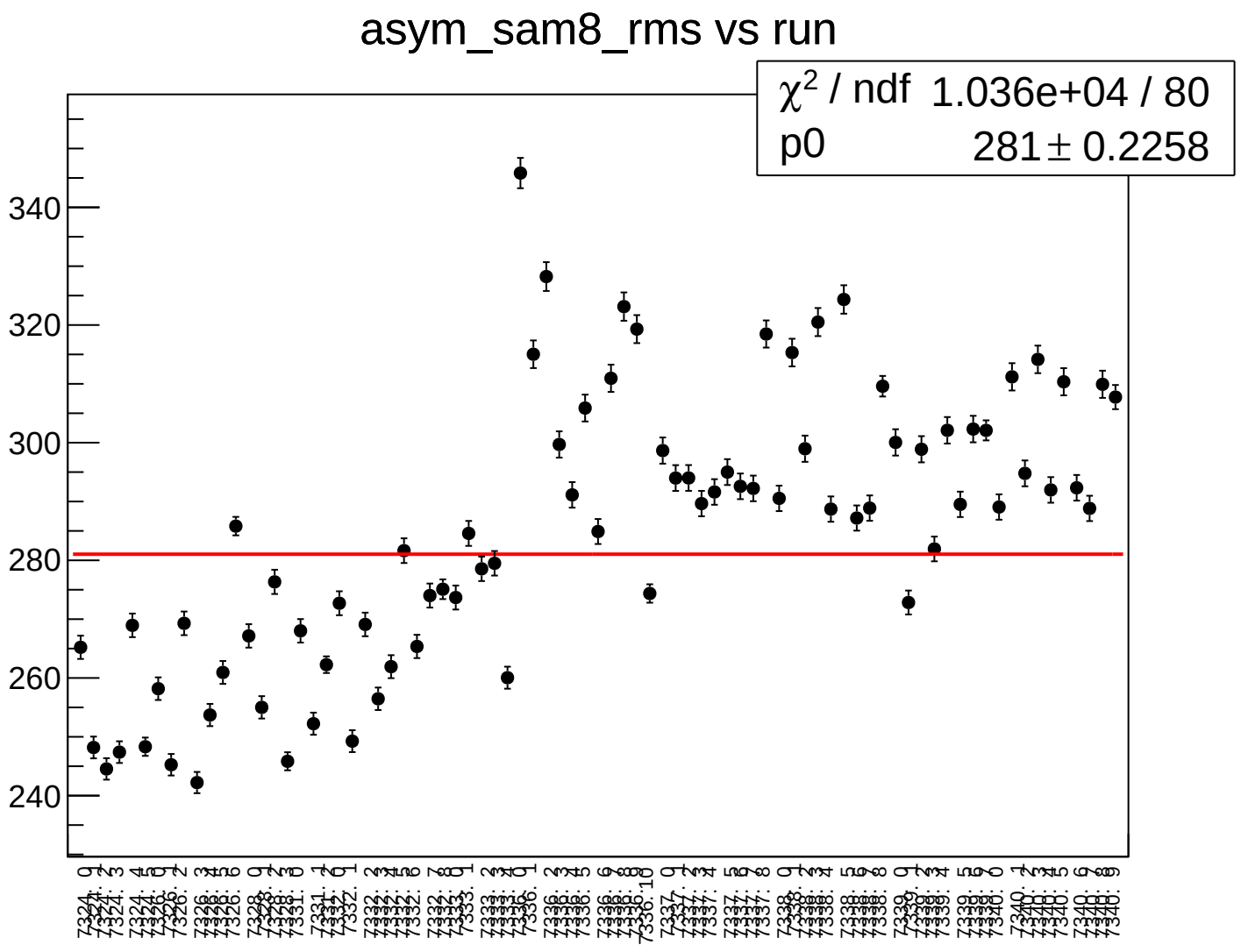

asym_sam8_correction_mean vs run
χ² / ndf 73.51 / 80
p0 −215.5 ± 336.2
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −246.2
Std Dev 309.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

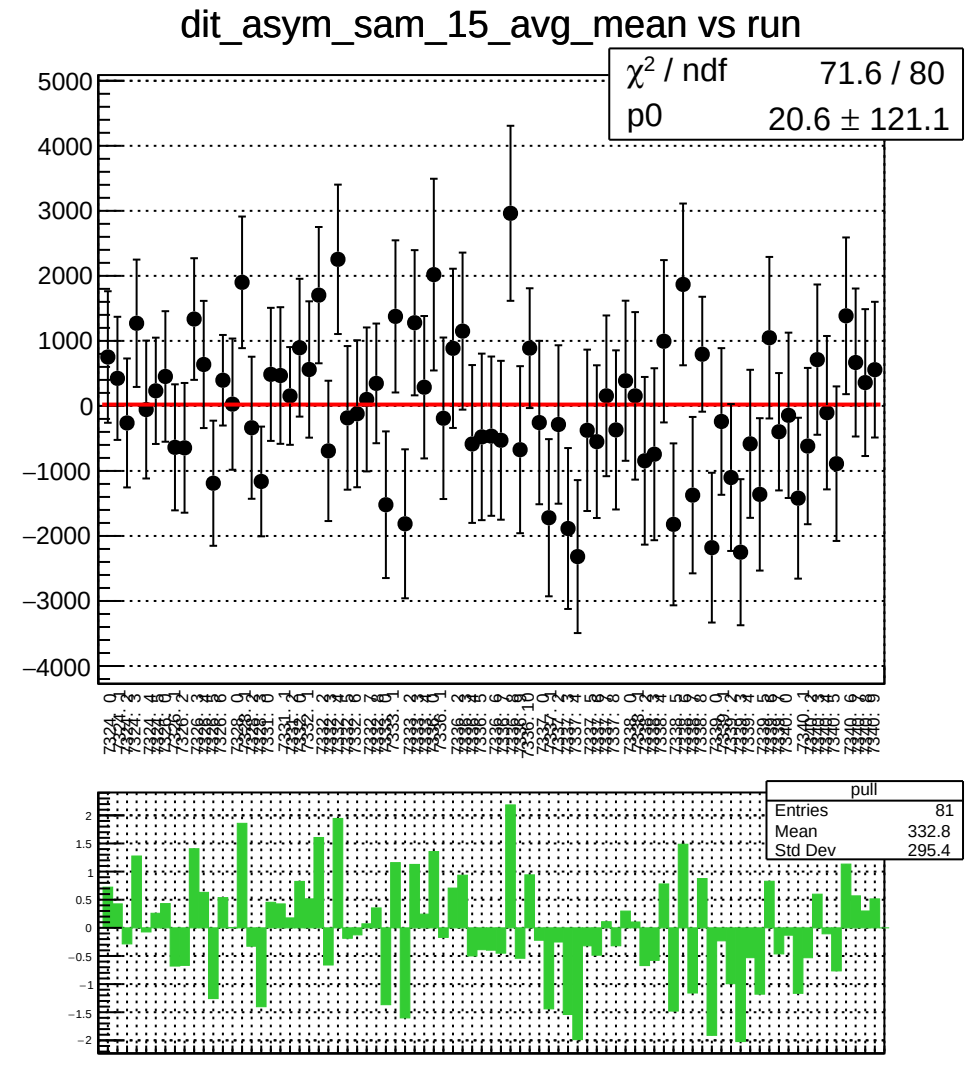

pull1D
Entries 81
Mean −0.004555
Std Dev 0.9526
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

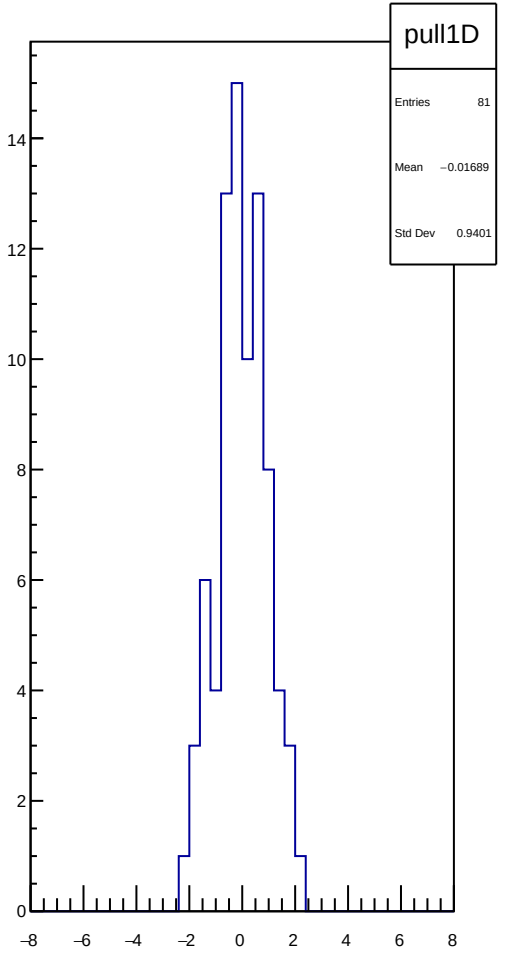

asym_sam8_correction_rms vs run
χ² / ndf 4721 / 80
p0 296.5 ± 0.2377
350
340
330
320
310
300
290
280
270
260

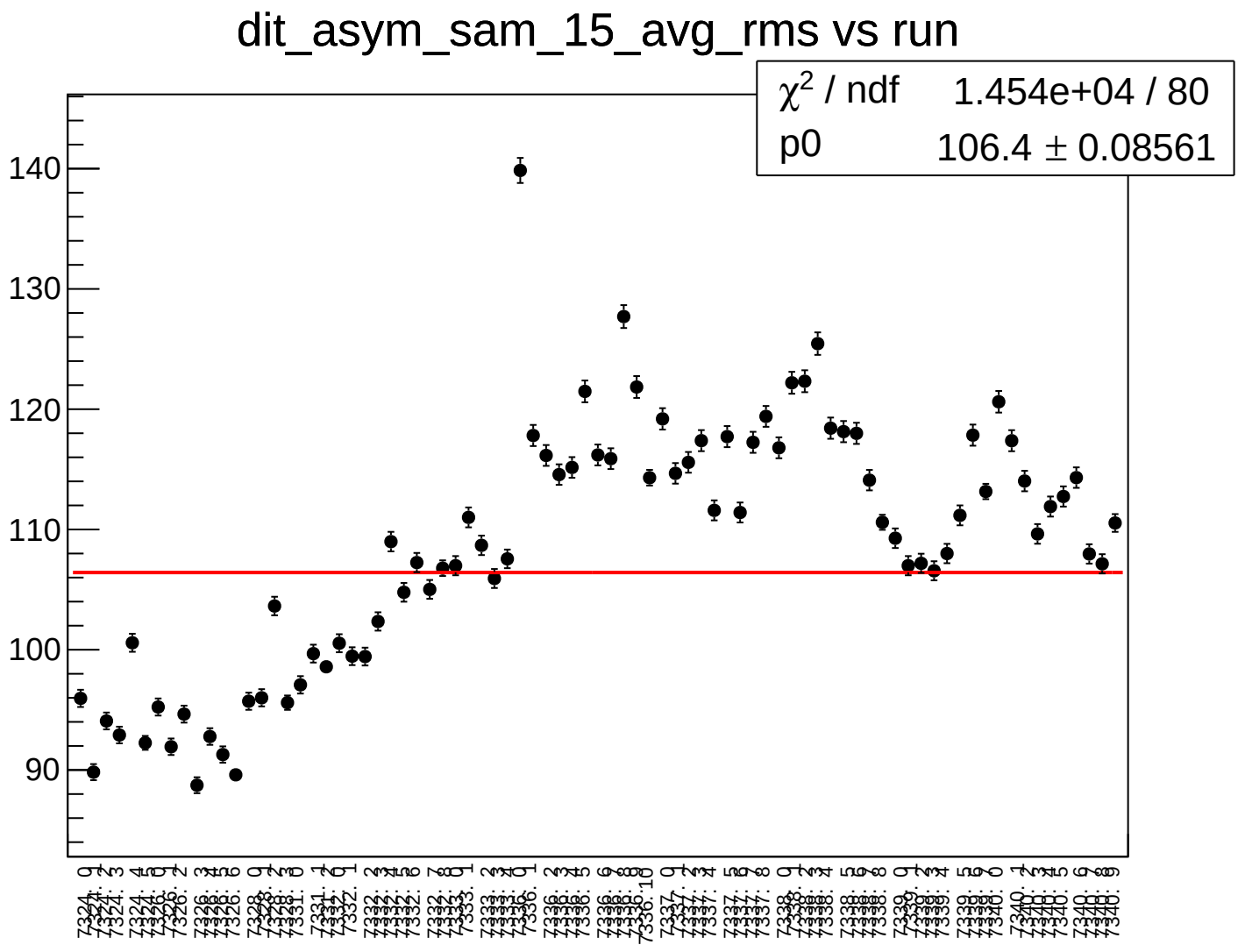

asym_sam8_mean vs run
χ^2 / ndf 69.14 / 80
p0 361.7 ± 319.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 494.9
Std Dev 445
2
1
0
−1
−2

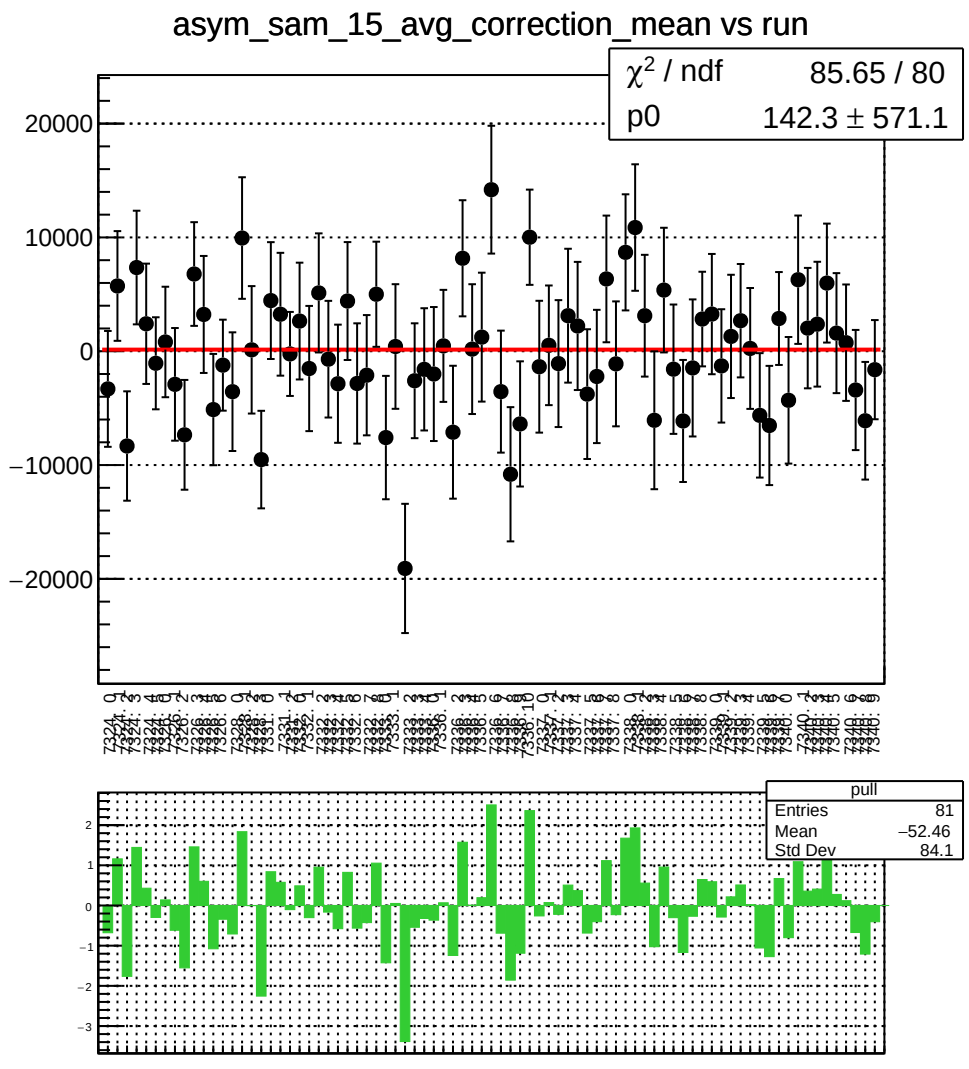

pull1D
Entries 81
Mean −0.006895
Std Dev 0.9239
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

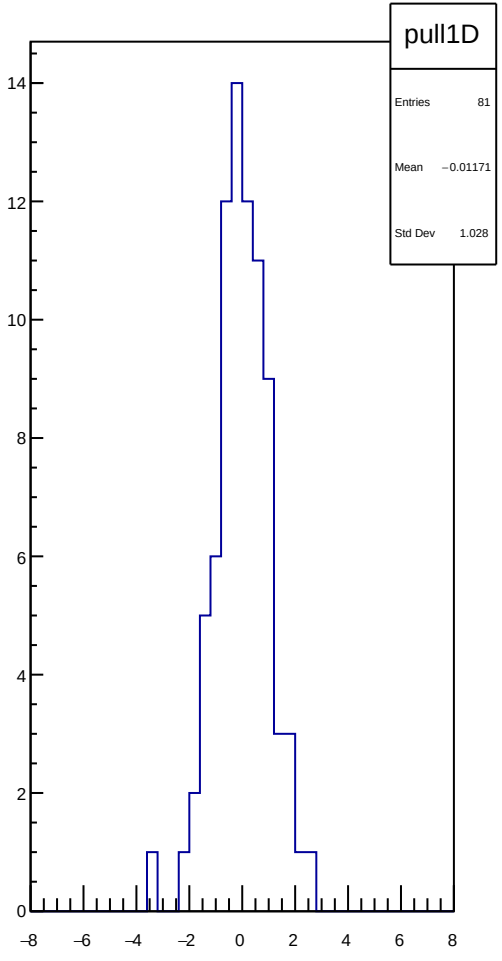

asym_sam8_rms vs run
χ² / ndf 1.036e+04 / 80
p0 281 ± 0.2258
340
320
300
280
260
240

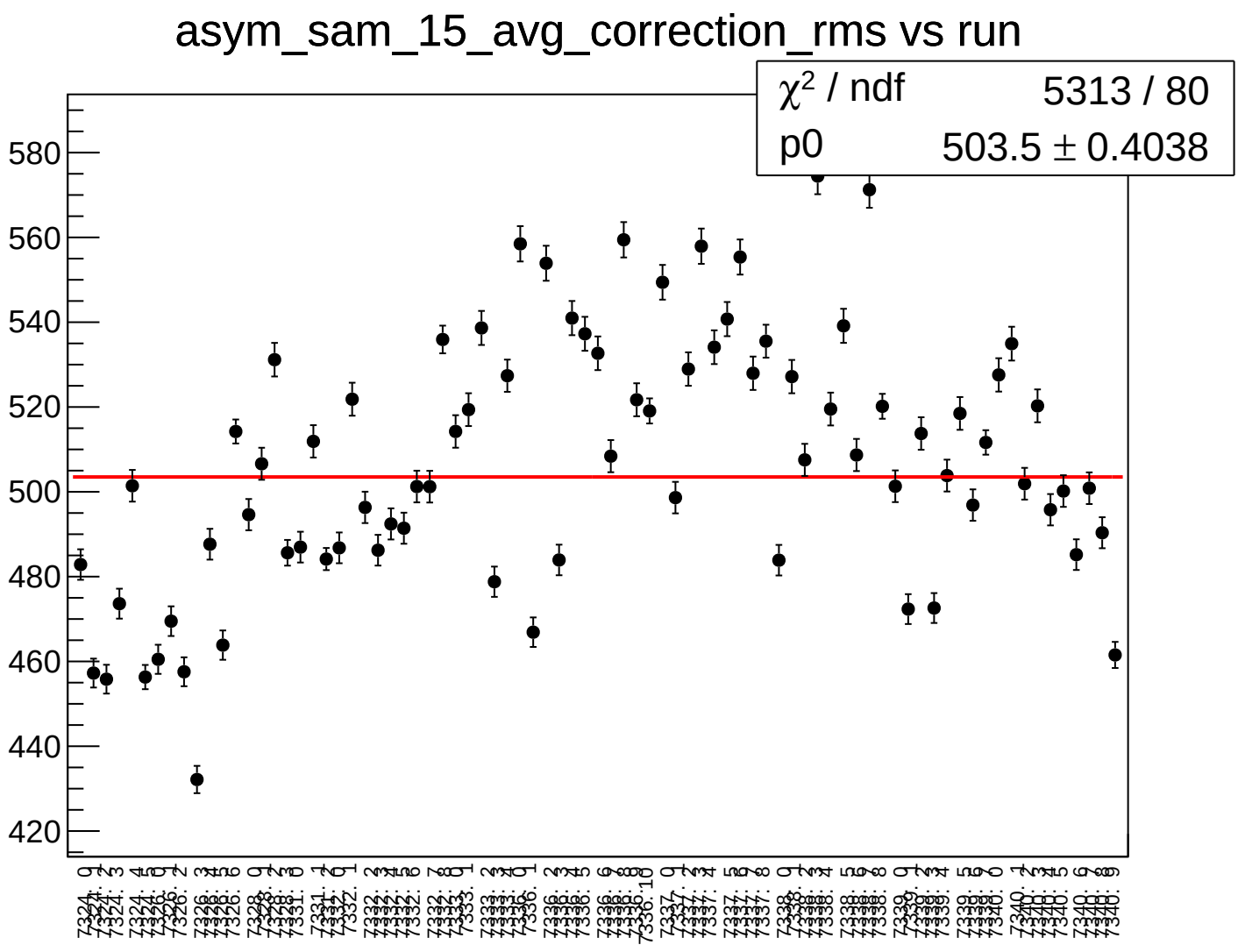

dit_asym_sam_15_avg_mean vs run
χ² / ndf 71.6 / 80
p0 20.6 ± 121.1
pull
Entries 81
Mean 332.8
Std Dev 295.4

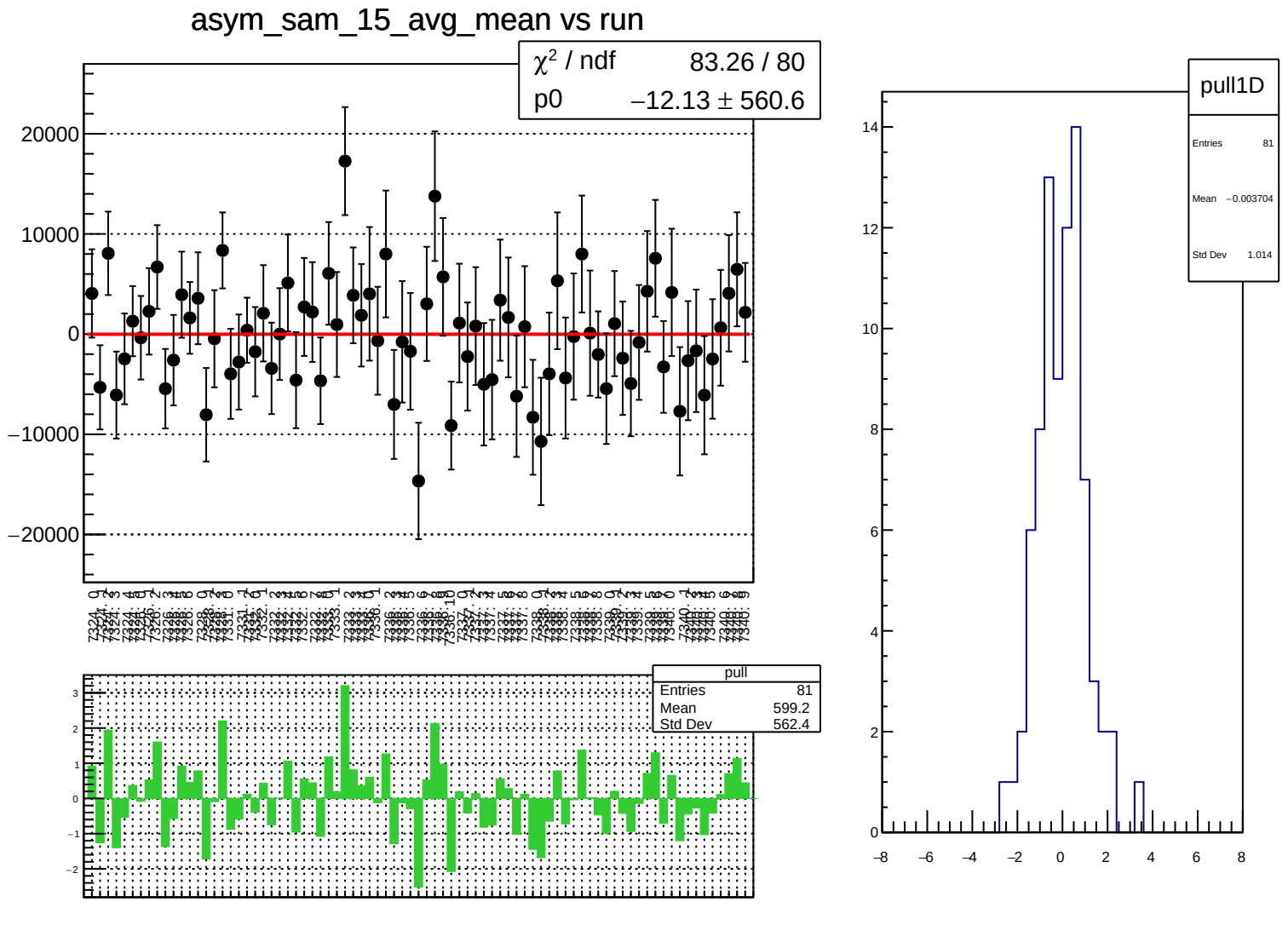

pull1D
Entries 81
Mean −0.01689
Std Dev 0.9401

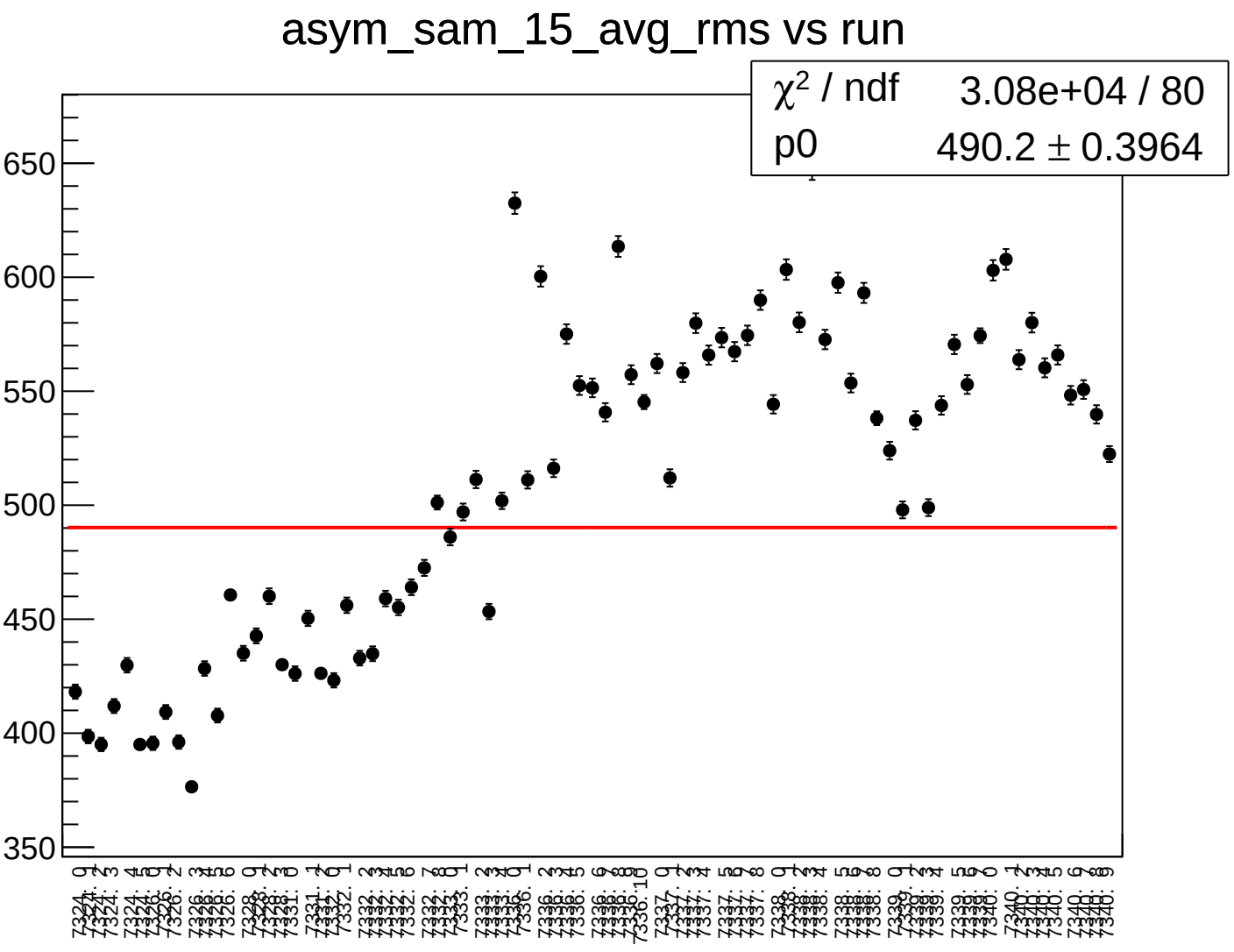

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.454e+04 / 80
p0 106.4 ± 0.08561
140
130
120
110
100
90

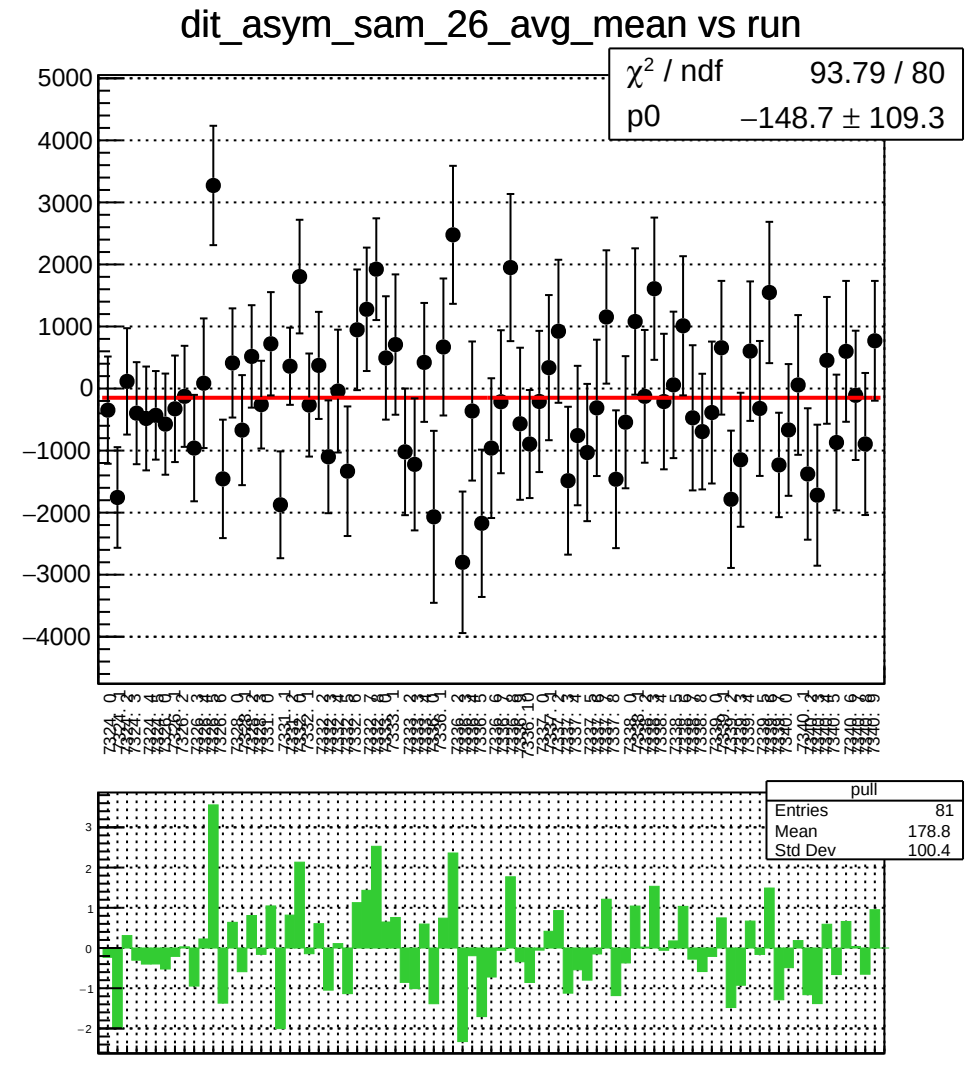

asym_sam_15_avg_correction_mean vs run
χ² / ndf 85.65 / 80
p0 142.3 ± 571.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −52.46
Std Dev 84.1
2
1
0
−1
−2
−3

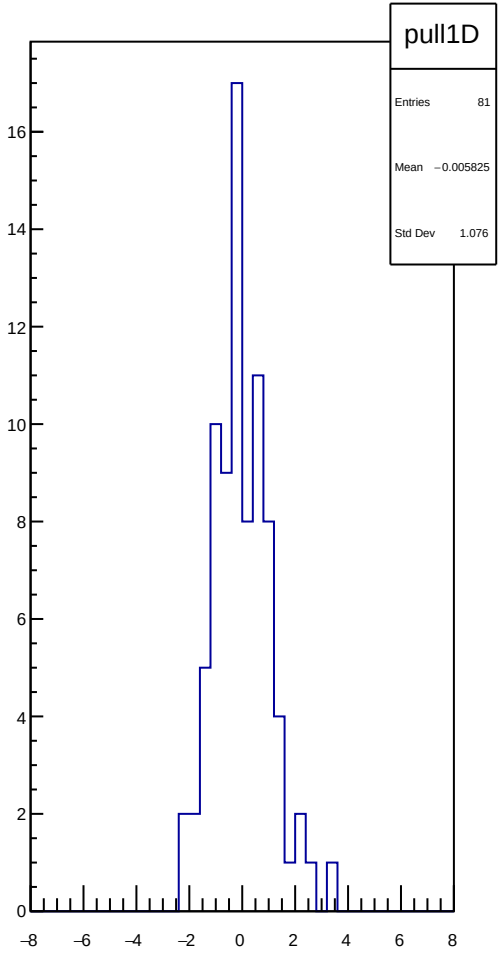

pull1D
Entries 81
Mean −0.01171
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

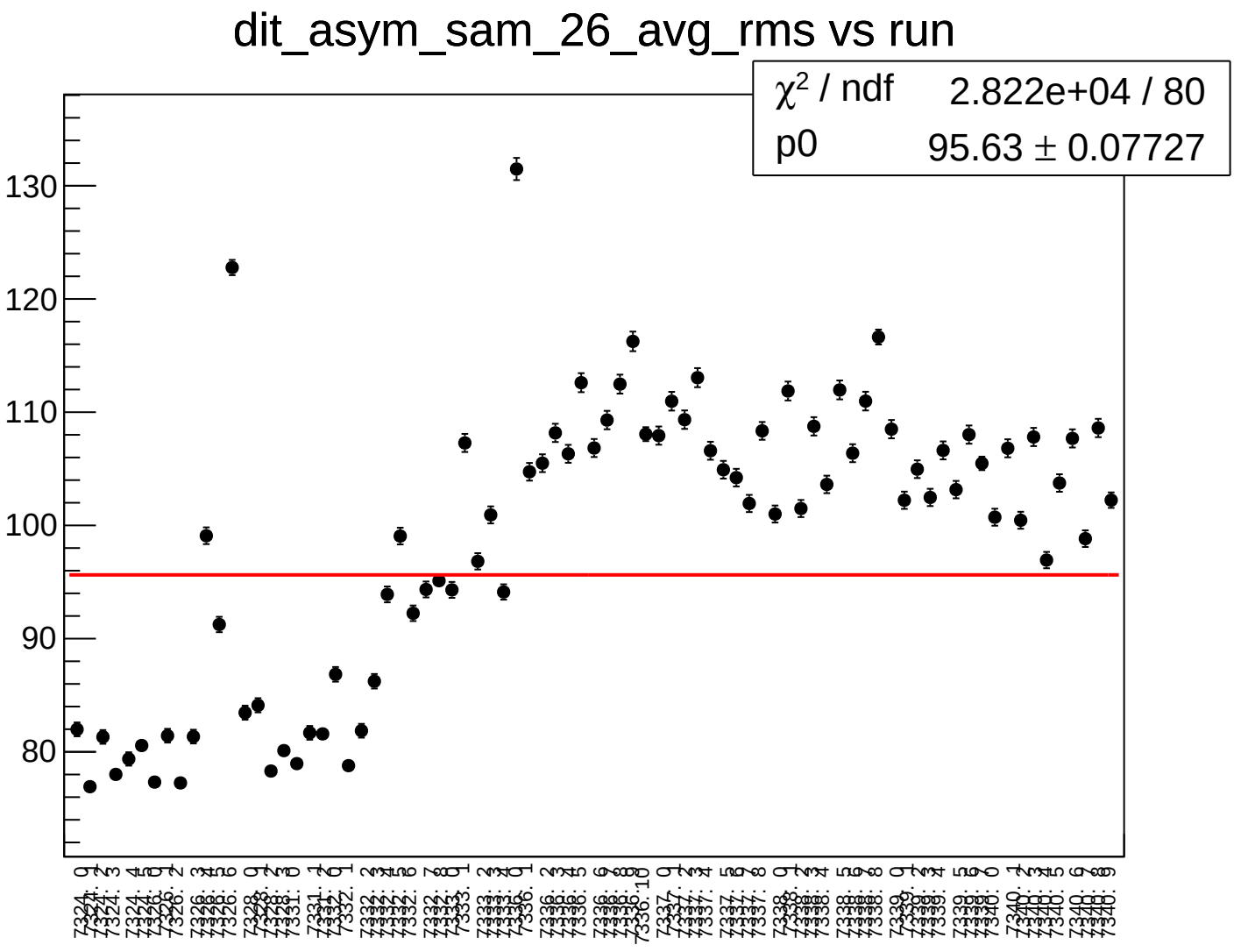

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5313 / 80
p0 503.5 ± 0.4038
580
560
540
520
500
480
460
440
420

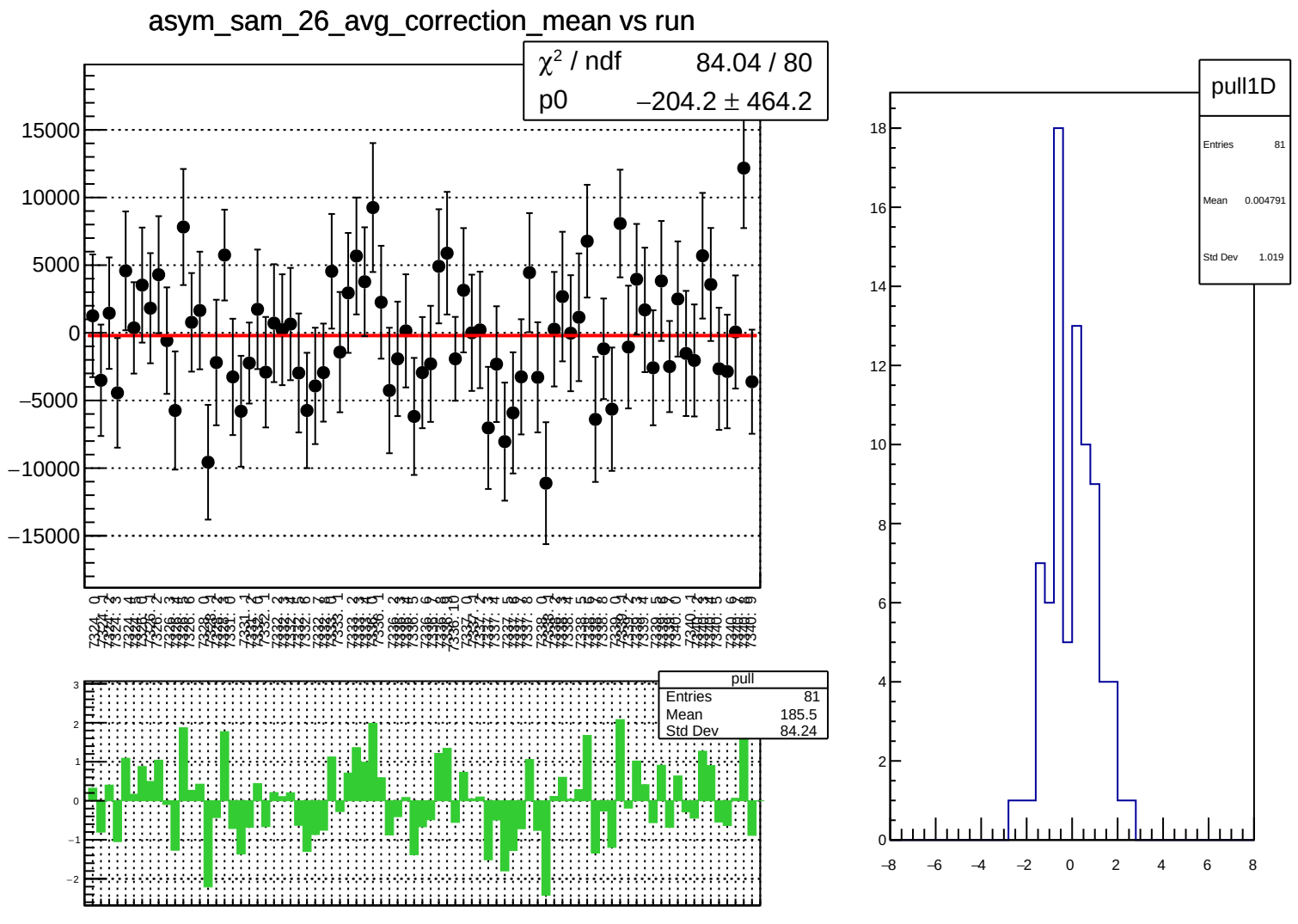

asym_sam_15_avg_mean vs run
χ² / ndf 83.26 / 80
p0 −12.13 ± 560.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 599.2
Std Dev 562.4
pull1D
Entries 81
Mean −0.003704
Std Dev 1.014

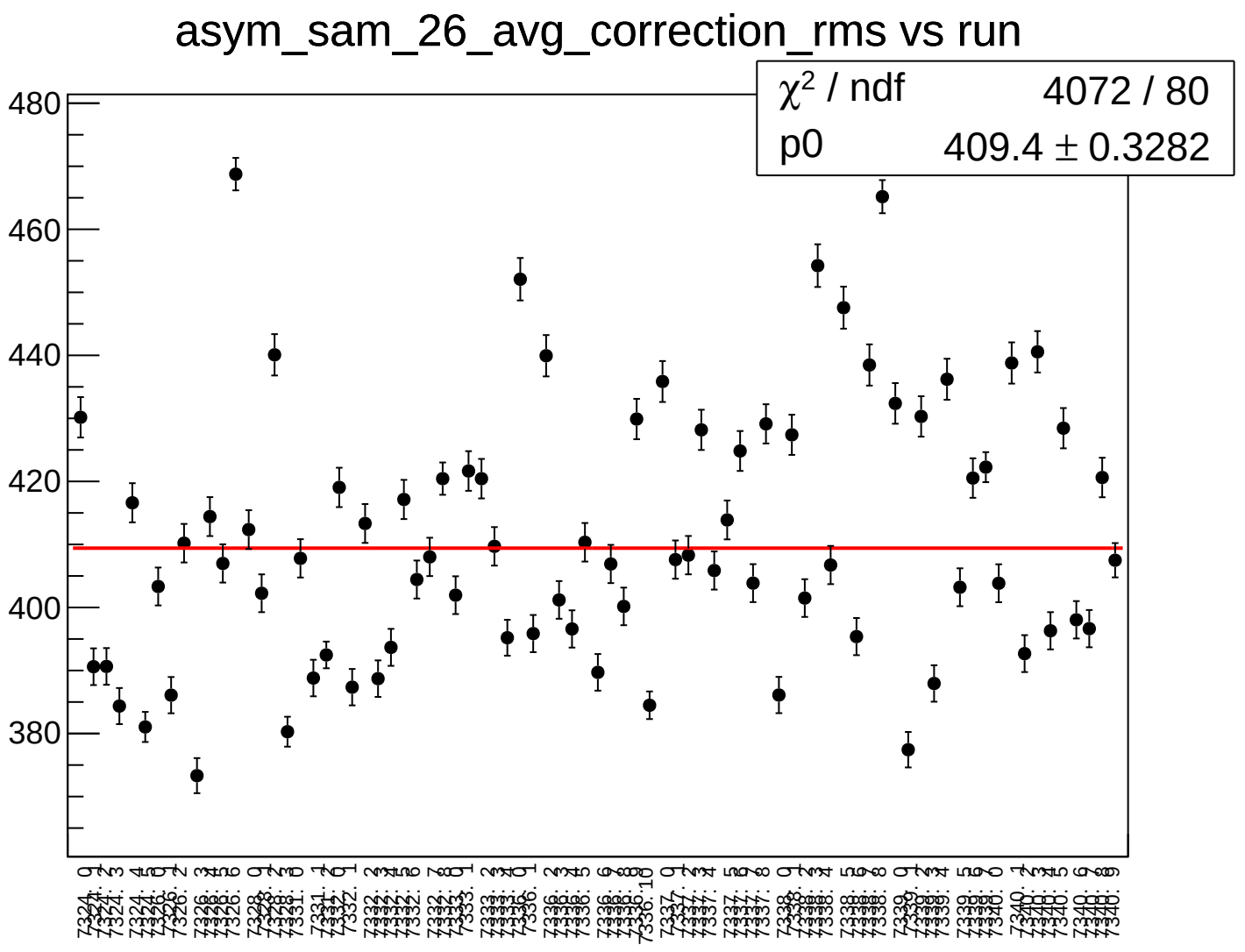

asym_sam_15_avg_rms vs run
χ² / ndf 3.08e+04 / 80
p0 490.2 ± 0.3964
650
600
550
500
450
400
350

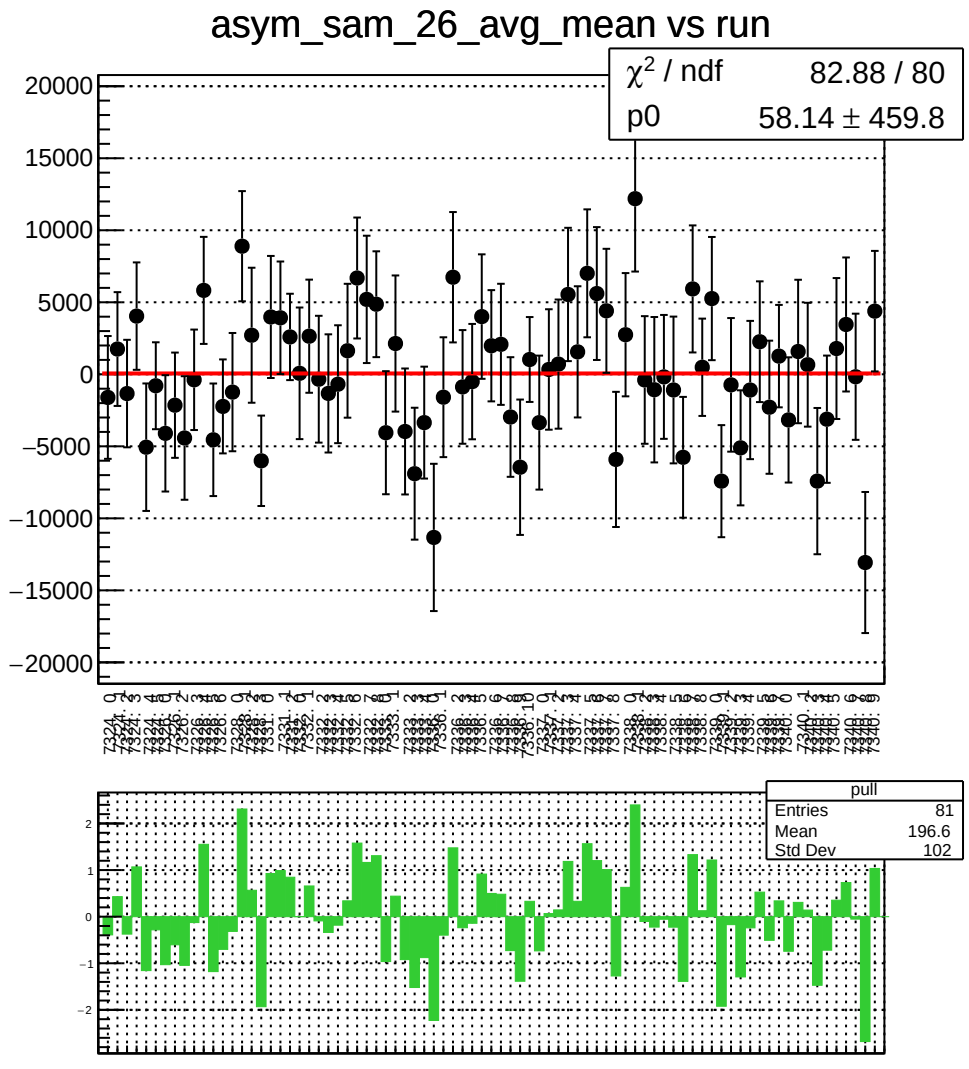

dit_asym_sam_26_avg_mean vs run
χ² / ndf 93.79 / 80
p0 −148.7 ± 109.3
pull
Entries 81
Mean 178.8
Std Dev 100.4

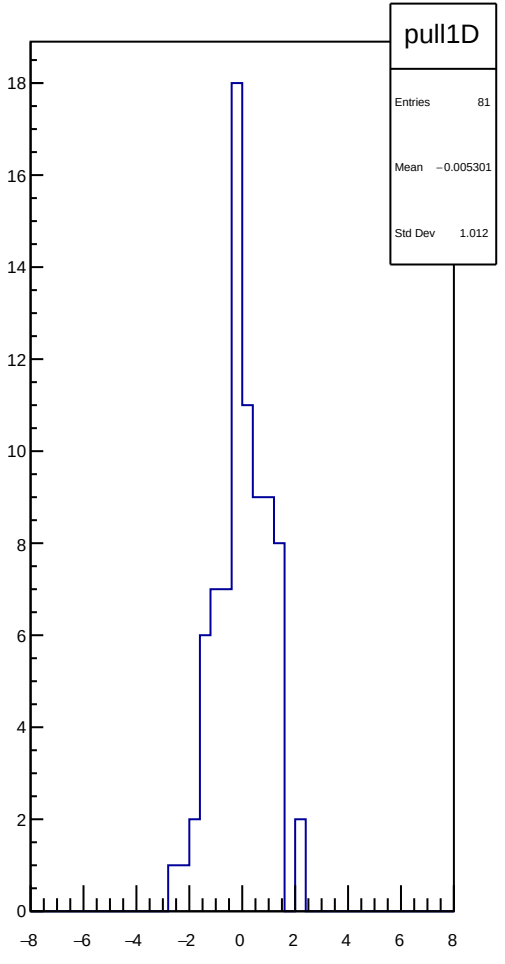

pull1D
Entries 81
Mean −0.005825
Std Dev 1.076

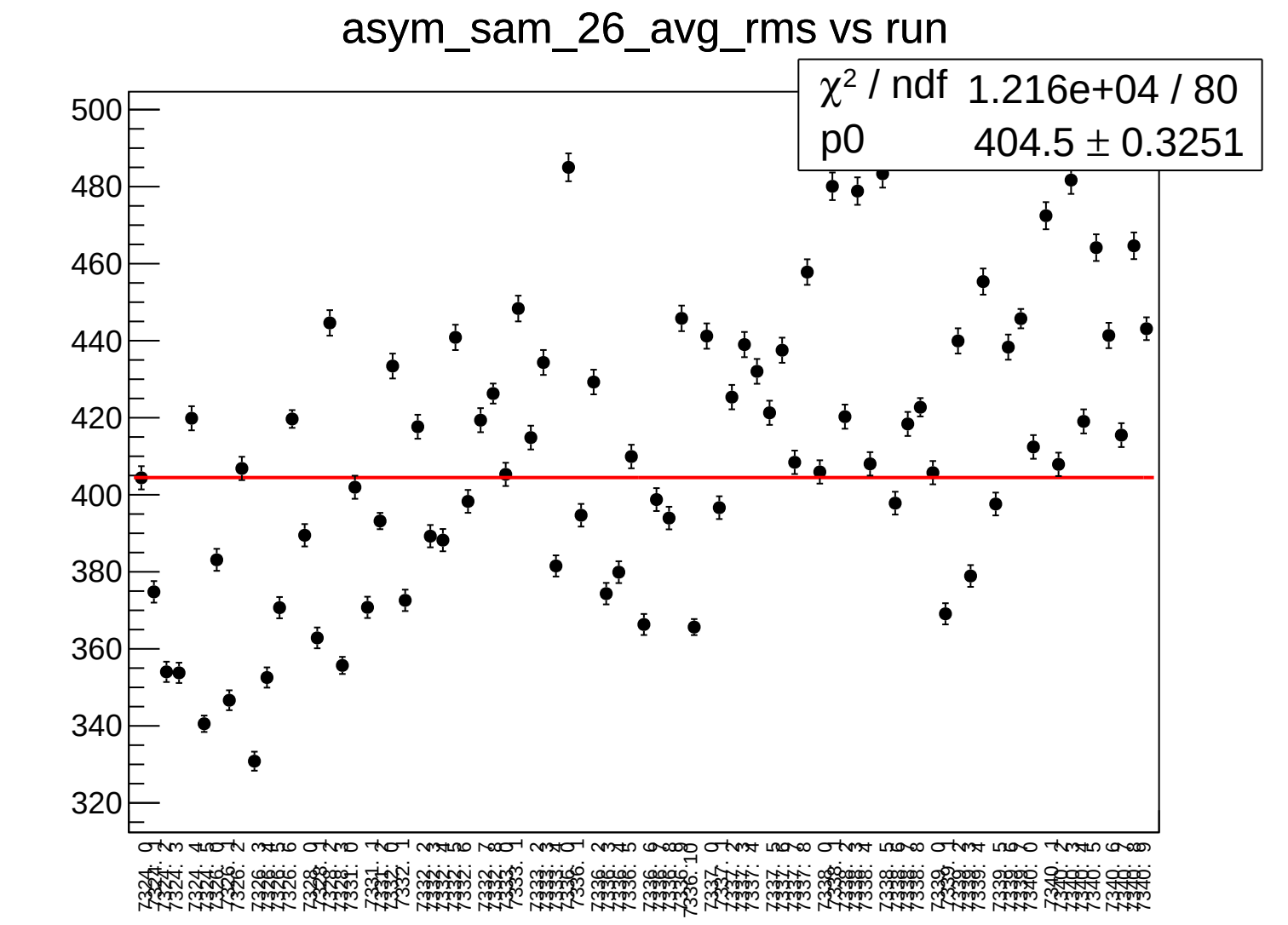

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.822e+04 / 80
p0 95.63 ± 0.07727
130
120
110
100
90
80

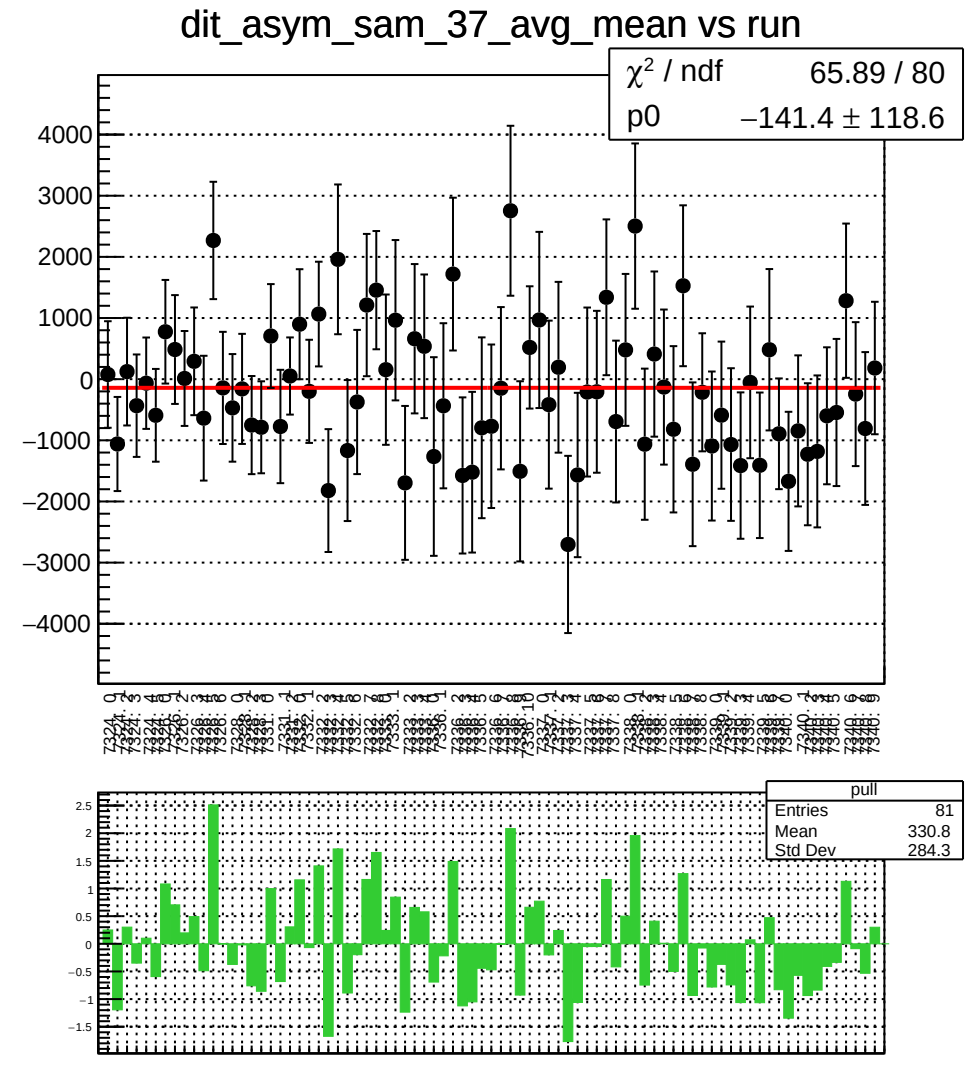

asym_sam_26_avg_correction_mean vs run
χ² / ndf 84.04 / 80
p0 −204.2 ± 464.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 185.5
Std Dev 84.24
pull1D
Entries 81
Mean 0.004791
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

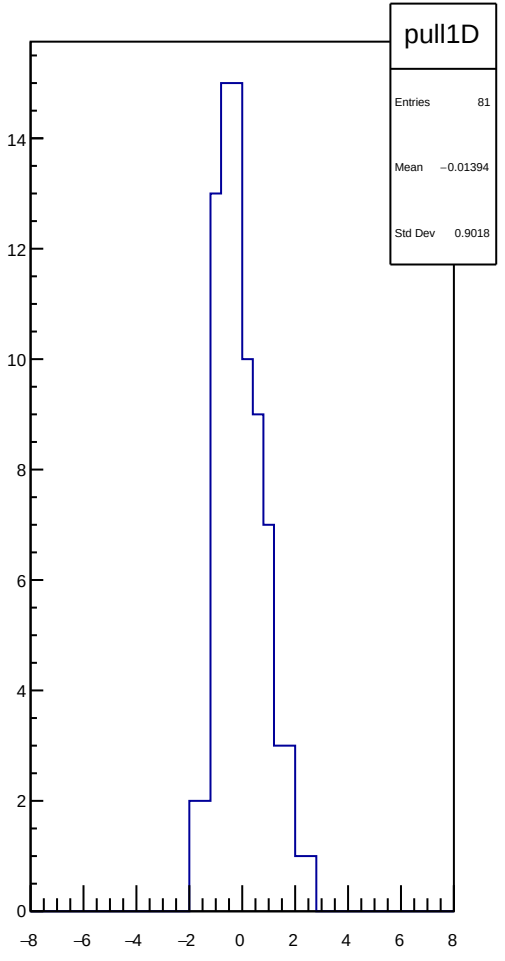

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4072 / 80
p0 409.4 ± 0.3282
480
460
440
420
400
380

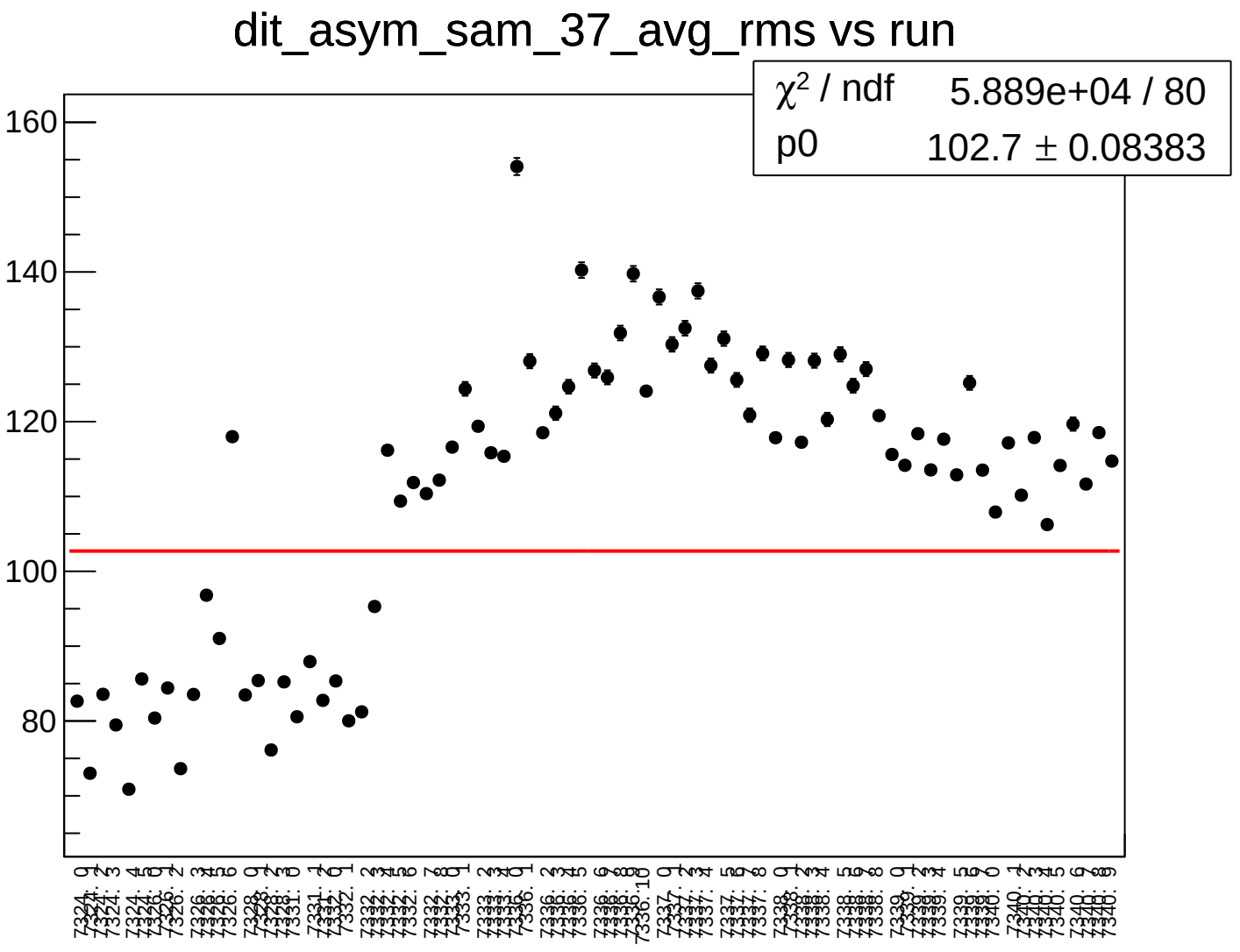

asym_sam_26_avg_mean vs run
χ² / ndf 82.88 / 80
p0 58.14 ± 459.8
pull
Entries 81
Mean 196.6
Std Dev 102

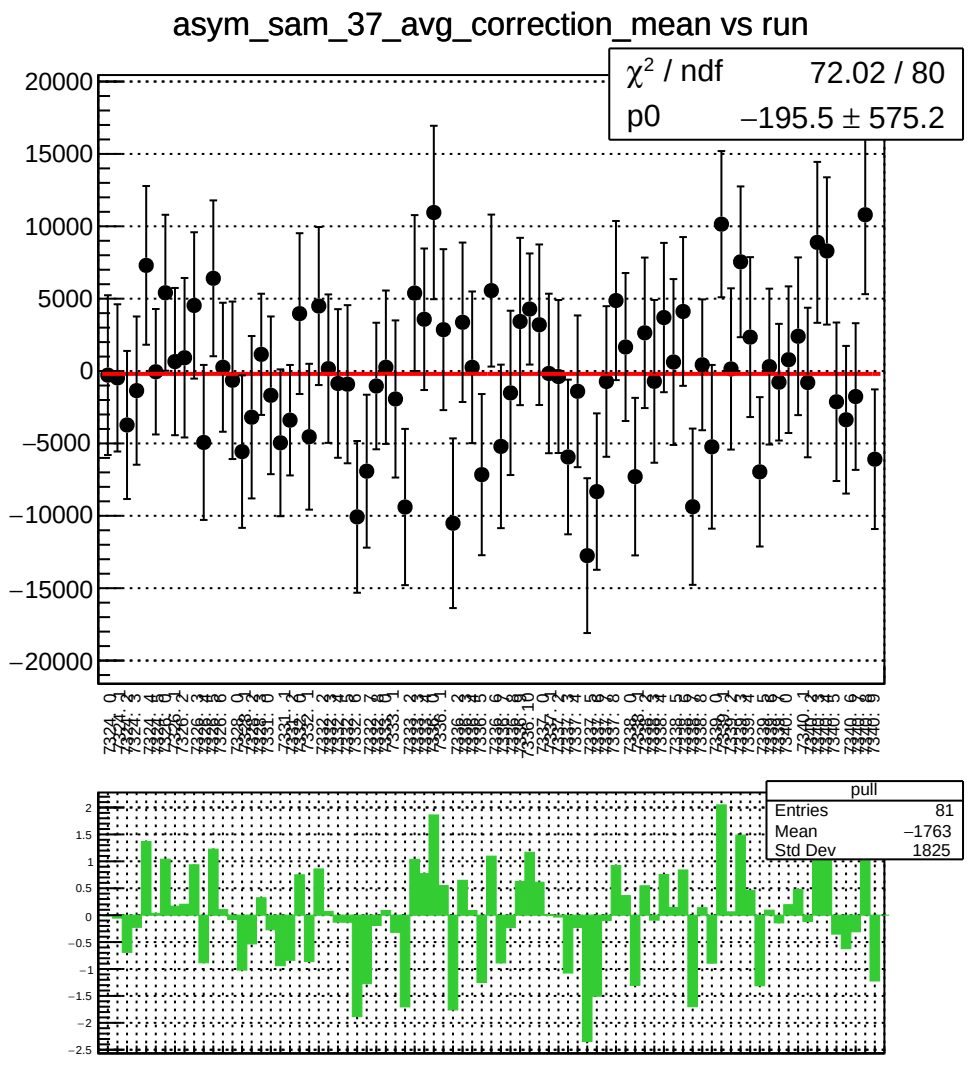

pull1D
Entries 81
Mean −0.005301
Std Dev 1.012

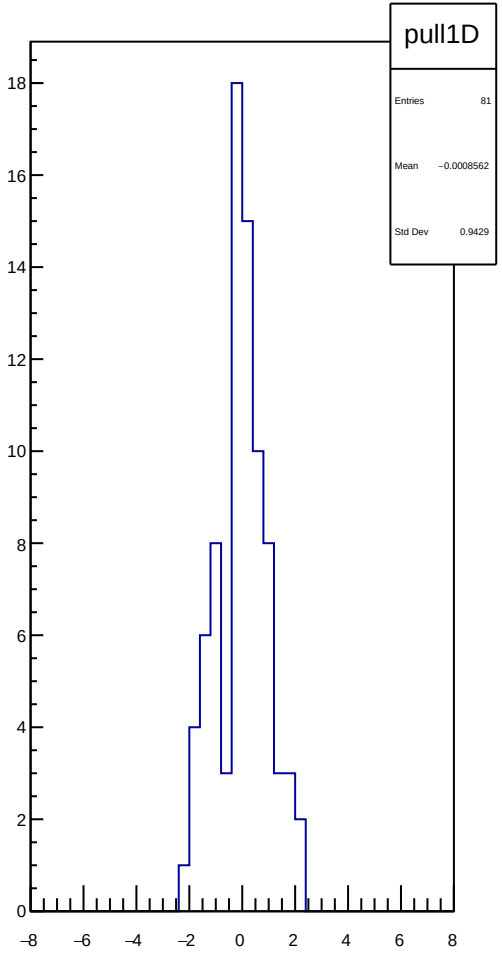

asym_sam_26_avg_rms vs run
χ² / ndf 1.216e+04 / 80
p0 404.5 ± 0.3251
500
480
460
440
420
400
380
360
340
320

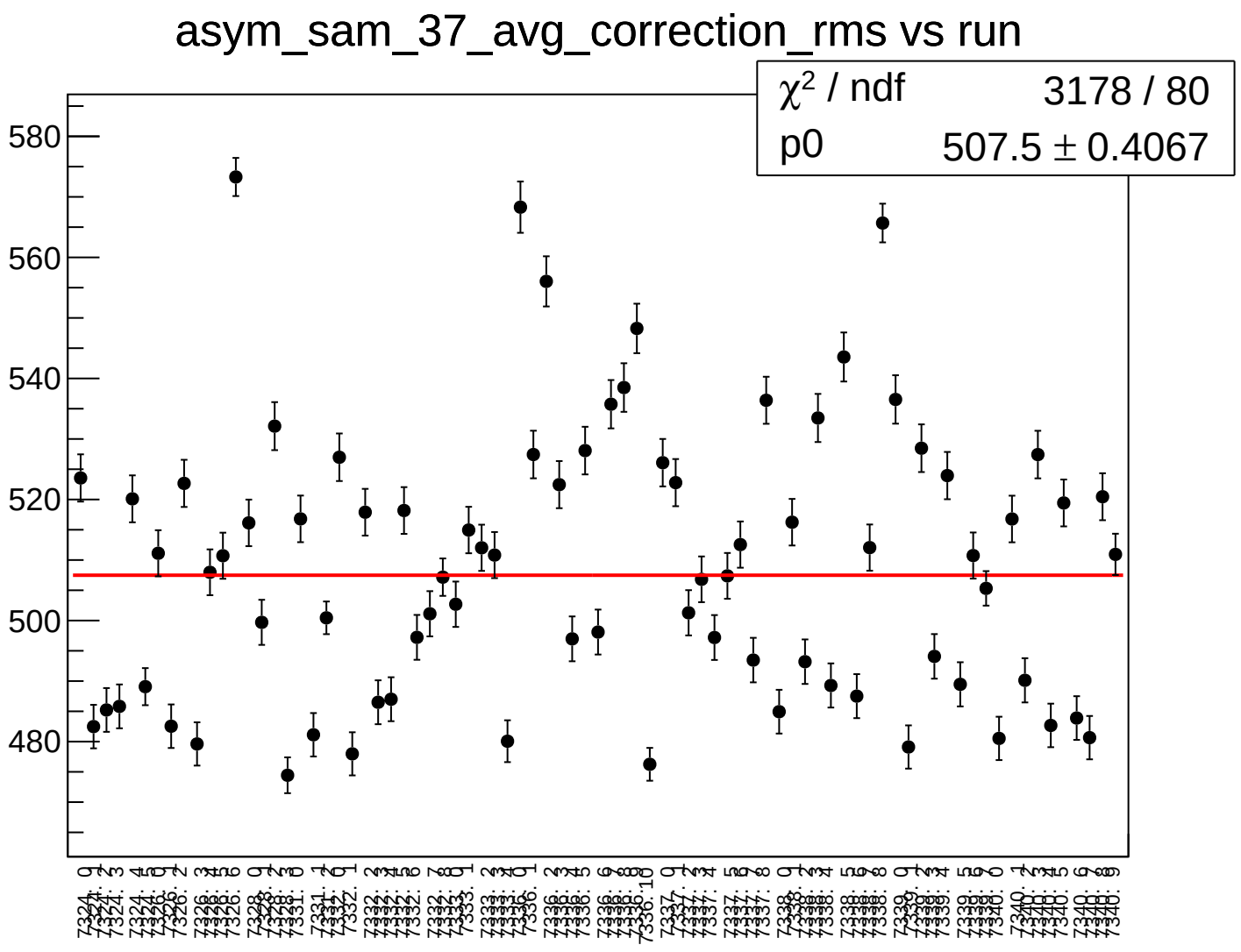

dit_asym_sam_37_avg_mean vs run
χ² / ndf 65.89 / 80
p0 −141.4 ± 118.6
pull
Entries 81
Mean 330.8
Std Dev 284.3

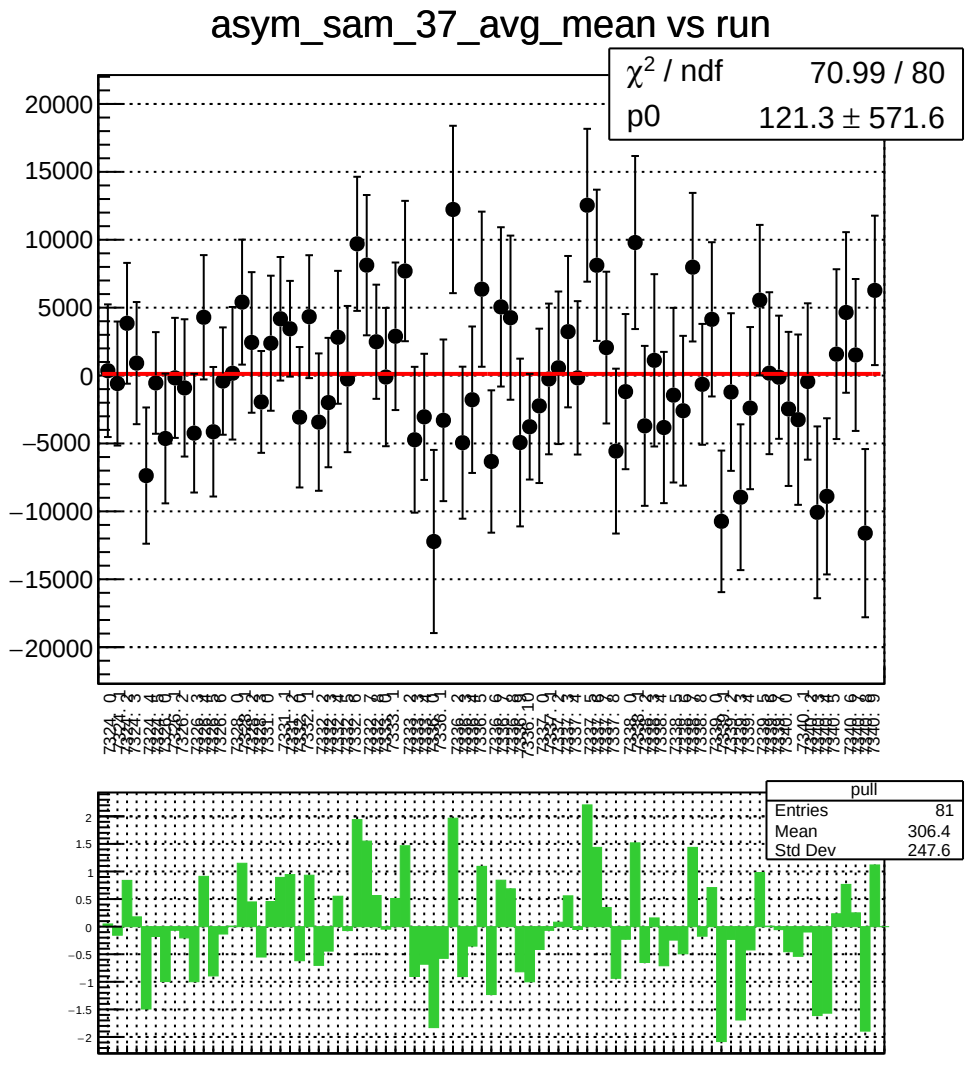

pull1D
Entries 81
Mean −0.01394
Std Dev 0.9018

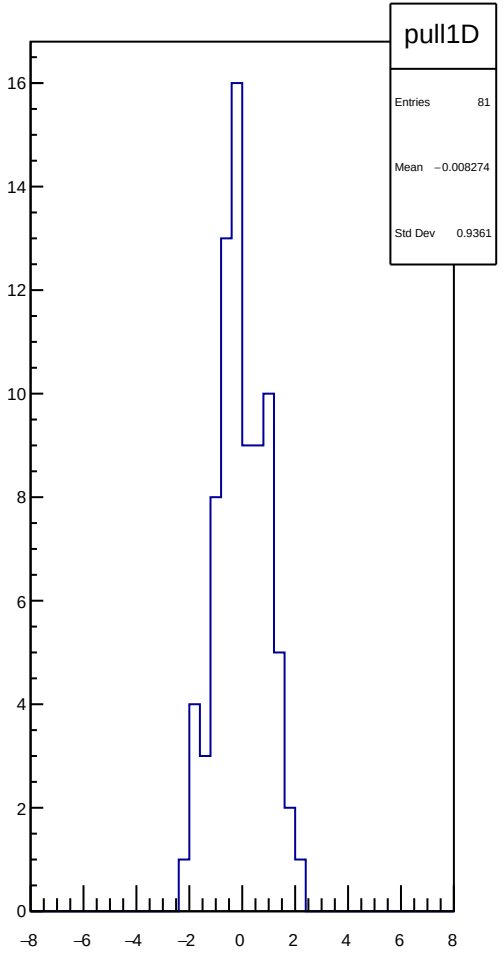

dit_asym_sam_37_avg_rms vs run
χ² / ndf 5.889e+04 / 80
p0 102.7 ± 0.08383
160
140
120
100
80

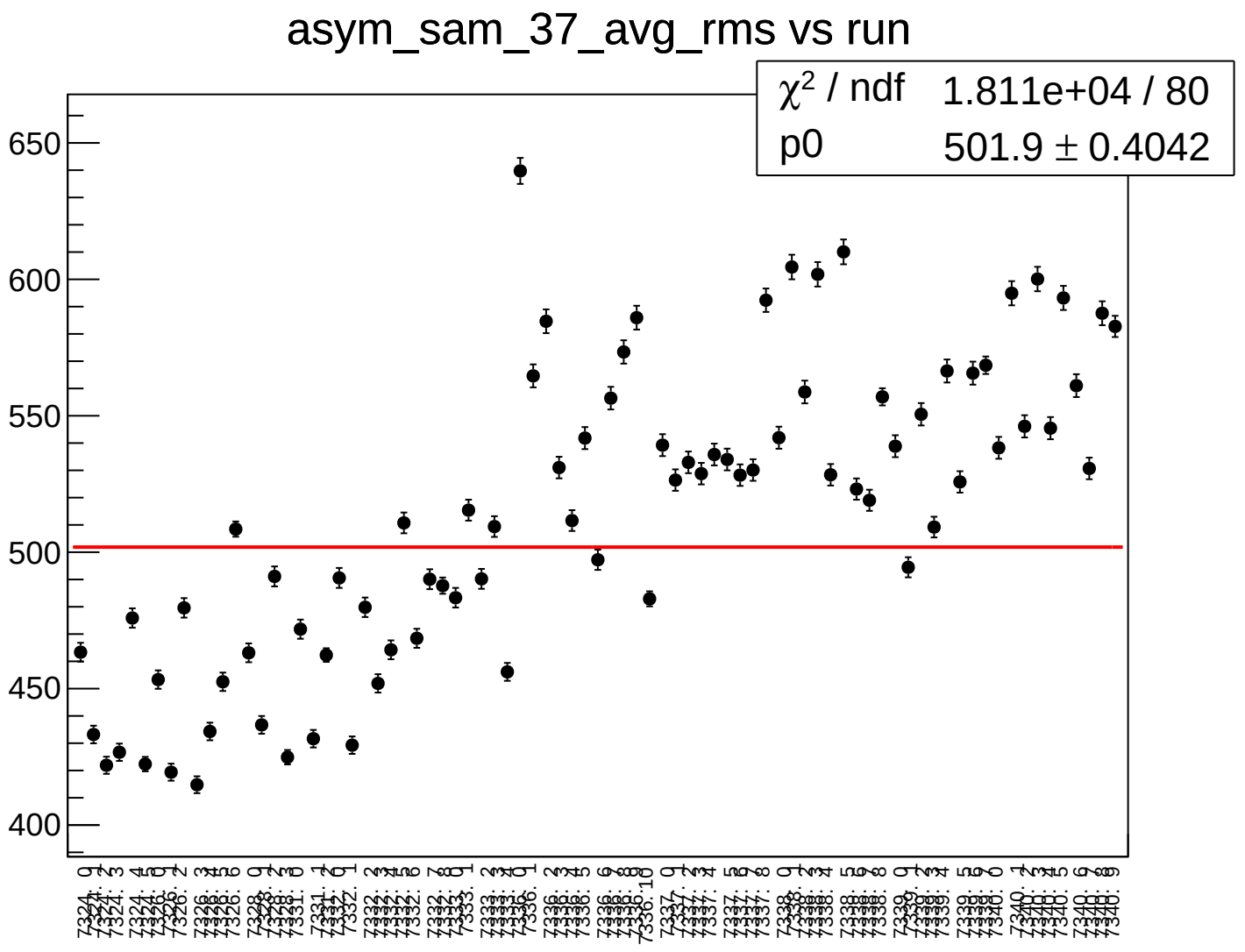

asym_sam_37_avg_correction_mean vs run
χ² / ndf 72.02 / 80
p0 −195.5 ± 575.2
pull
Entries 81
Mean −1763
Std Dev 1825

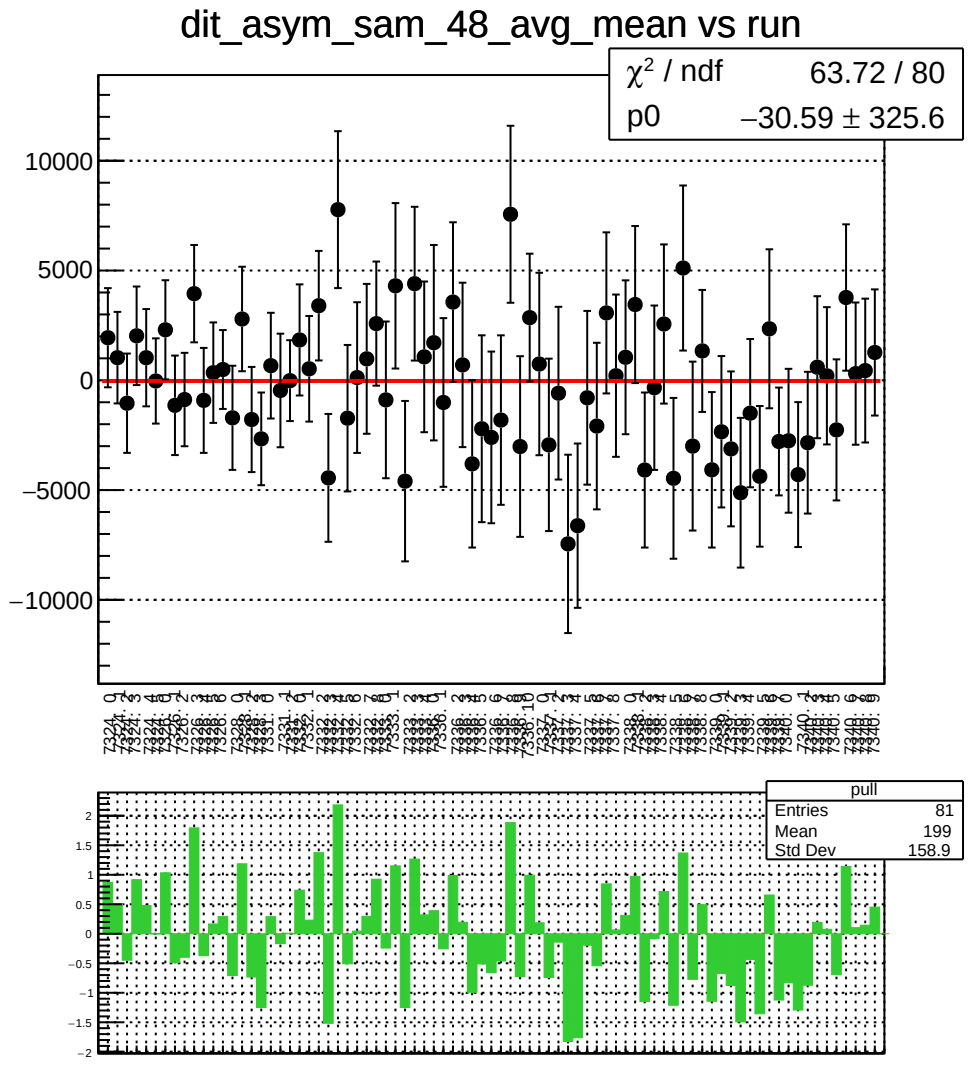

pull1D
Entries 81
Mean −0.0008562
Std Dev 0.9429

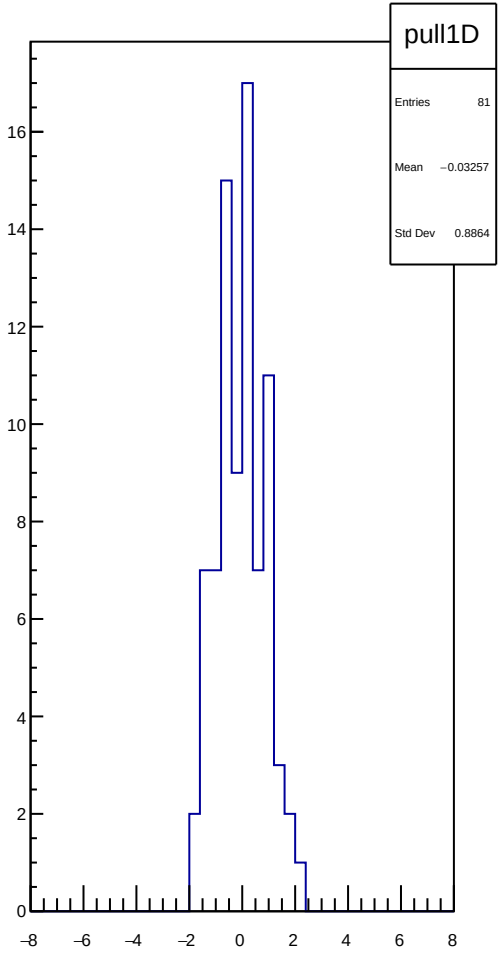

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3178 / 80
p0 507.5 ± 0.4067
580
560
540
520
500
480

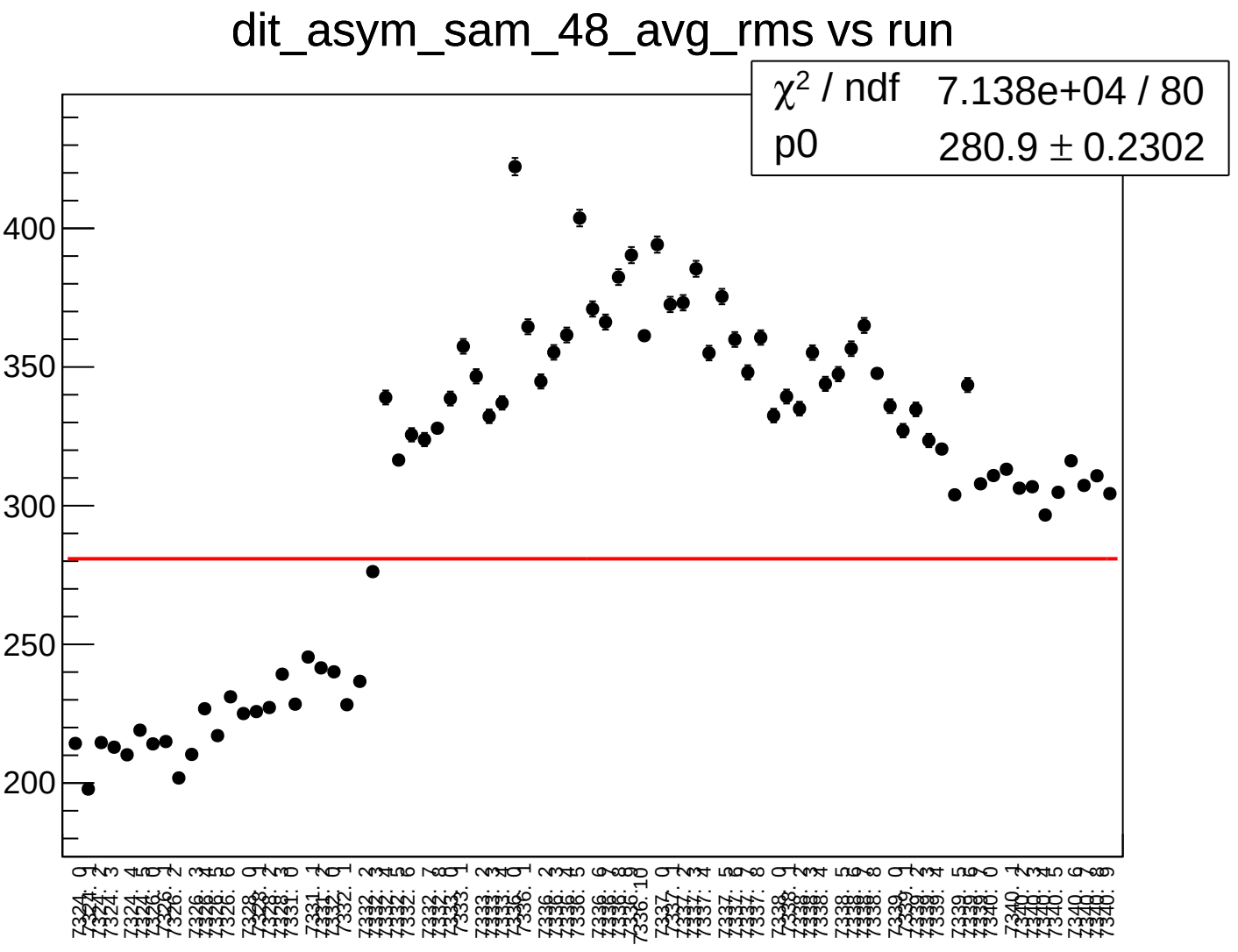

asym_sam_37_avg_mean vs run
χ² / ndf 70.99 / 80
p0 121.3 ± 571.6
pull
Entries 81
Mean 306.4
Std Dev 247.6

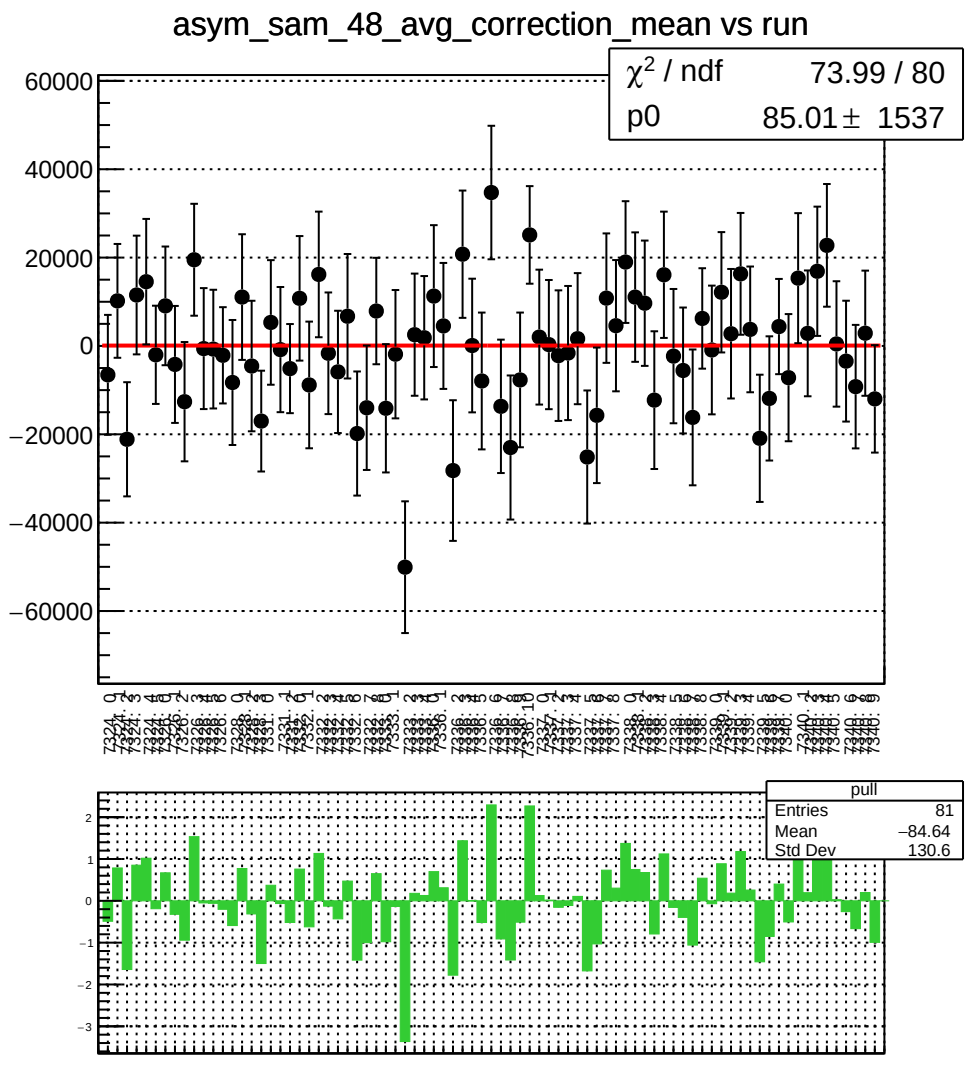

pull1D
Entries 81
Mean −0.008274
Std Dev 0.9361

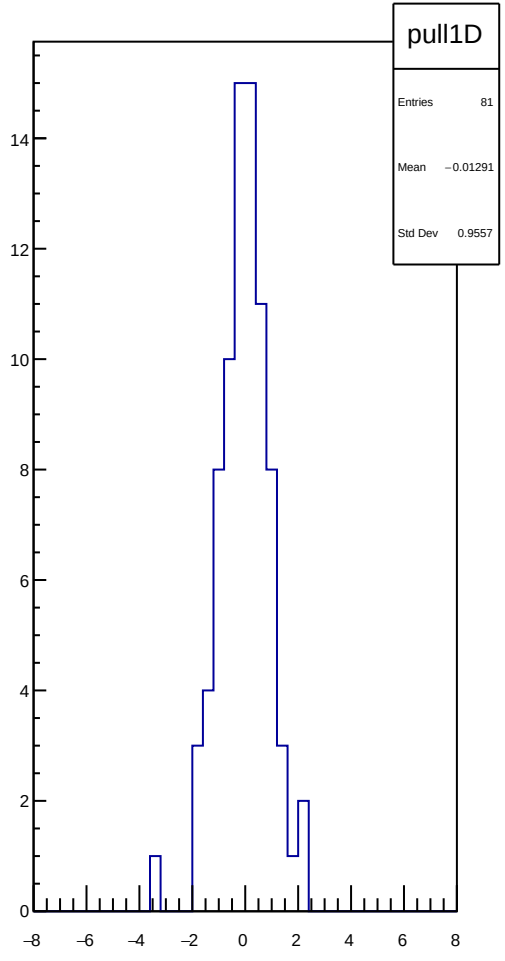

asym_sam_37_avg_rms vs run
χ² / ndf 1.811e+04 / 80
p0 501.9 ± 0.4042
650
600
550
500
450
400

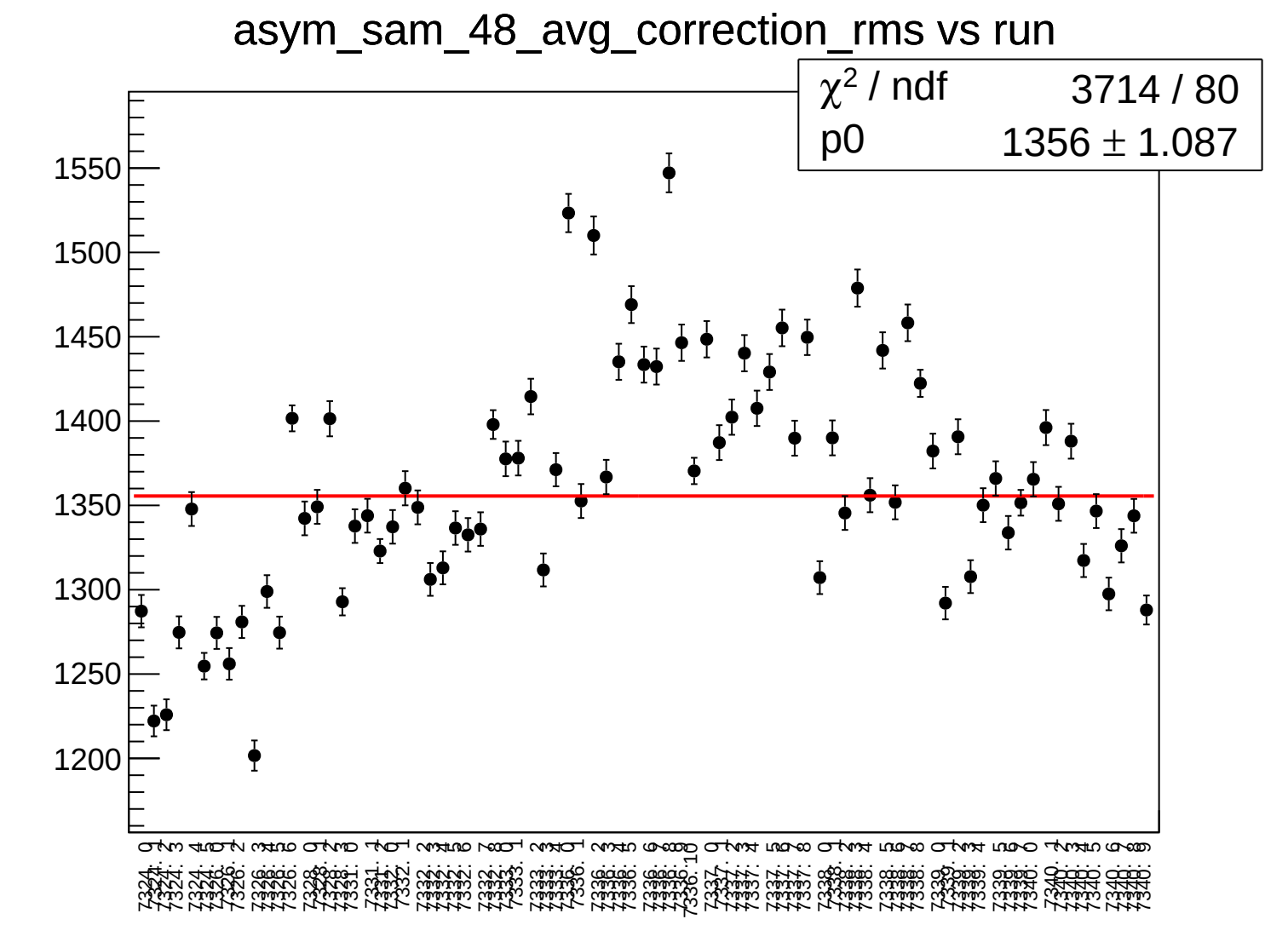

dit_asym_sam_48_avg_mean vs run
χ² / ndf 63.72 / 80
p0 −30.59 ± 325.6
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 199
Std Dev 158.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

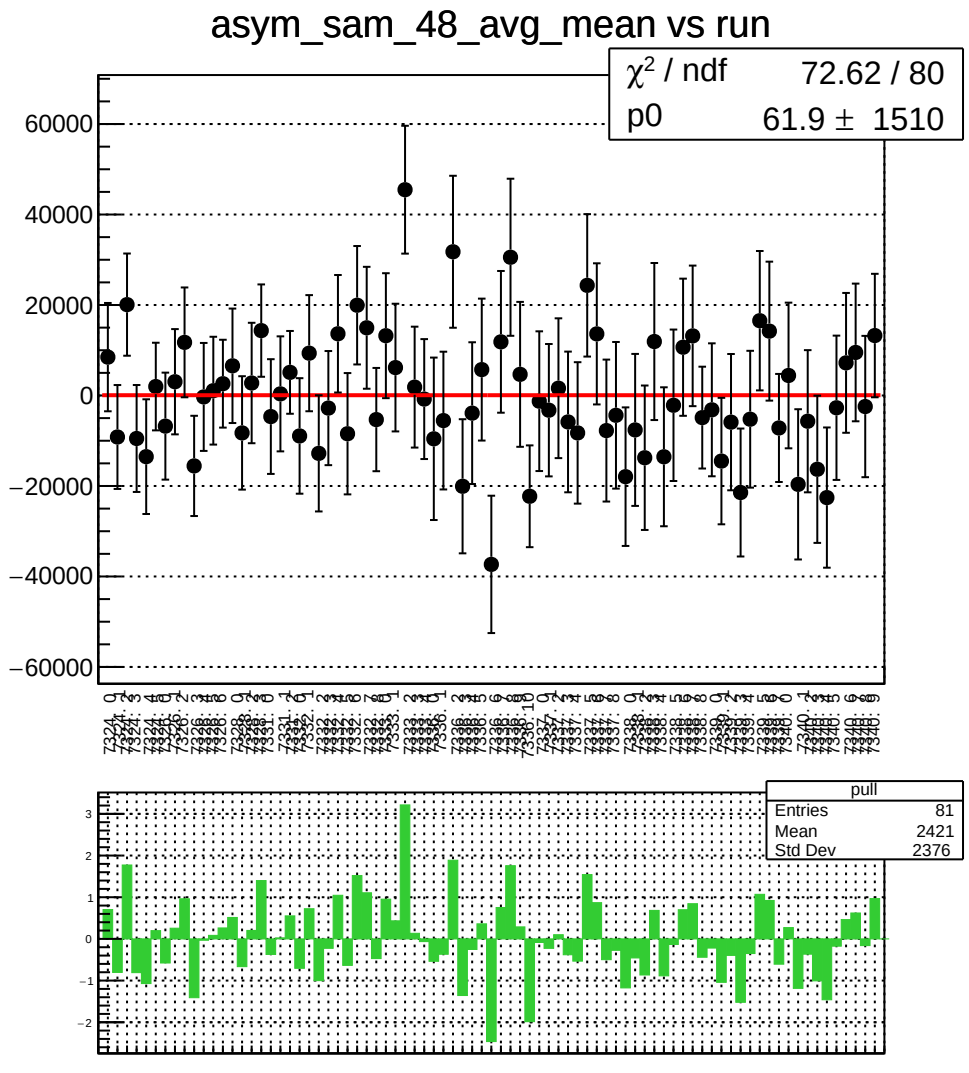

pull1D
Entries 81
Mean −0.03257
Std Dev 0.8864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

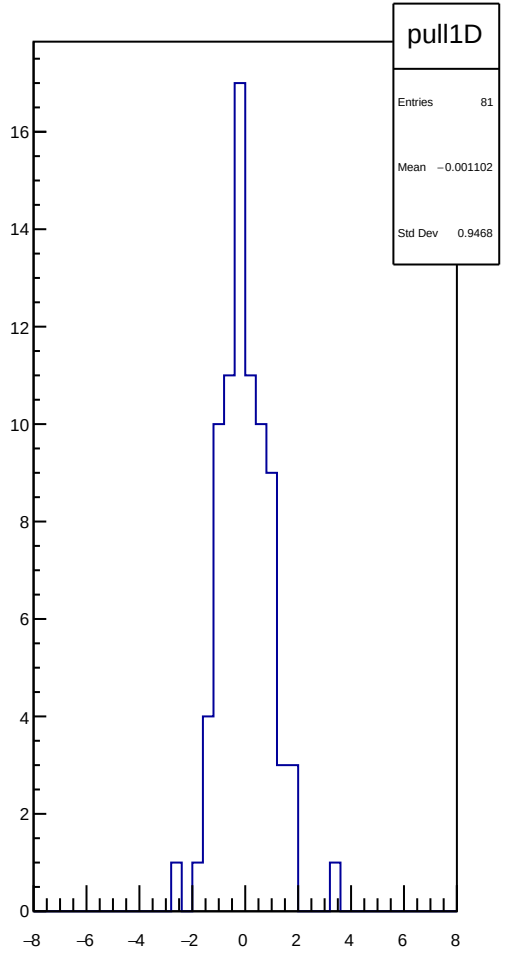

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 7.138e+04 / 80
p0 280.9 ± 0.2302
400
350
300
250
200

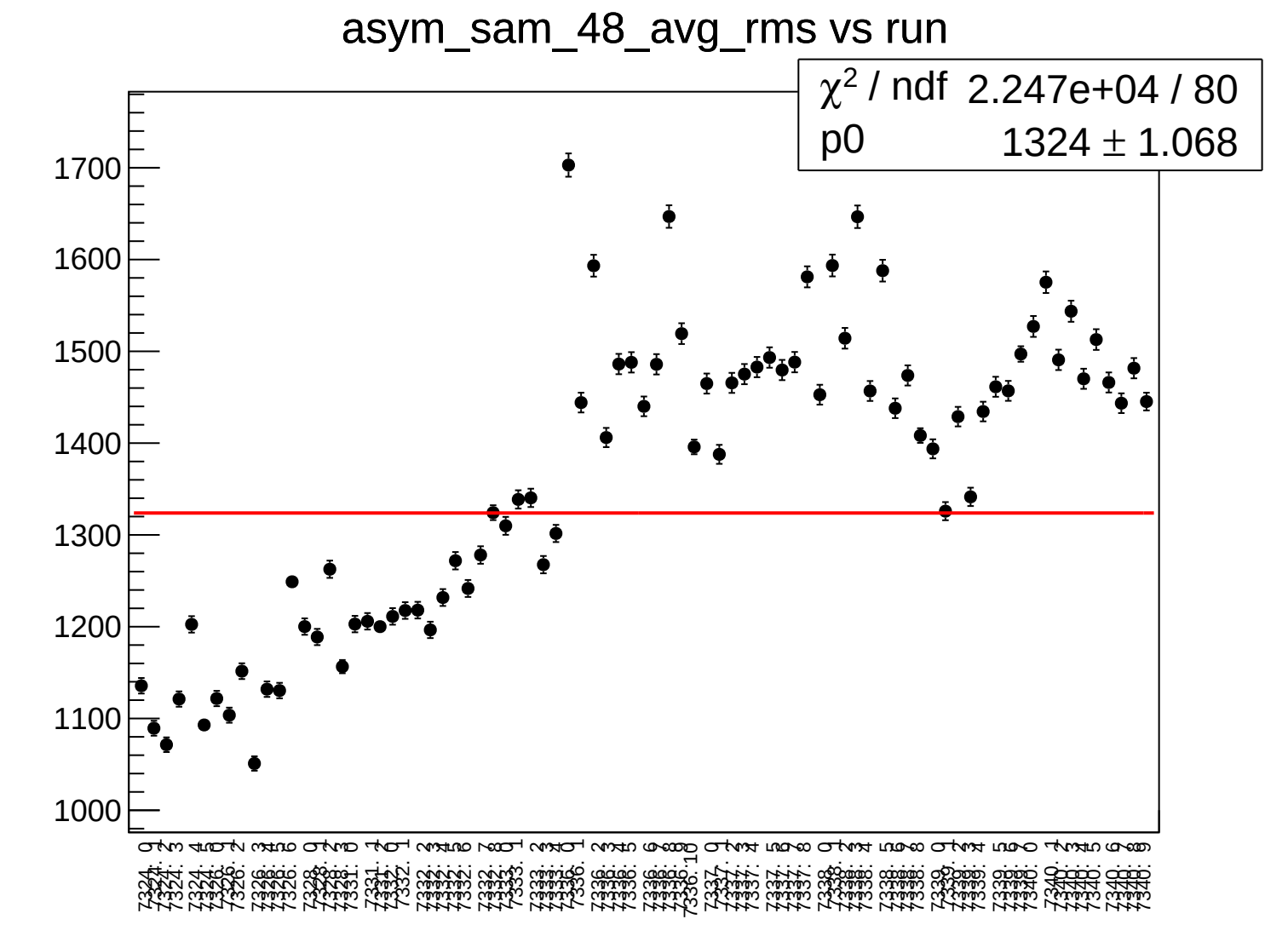

asym_sam_48_avg_correction_mean vs run
χ² / ndf 73.99 / 80
p0 85.01 ± 1537
pull
Entries 81
Mean −84.64
Std Dev 130.6

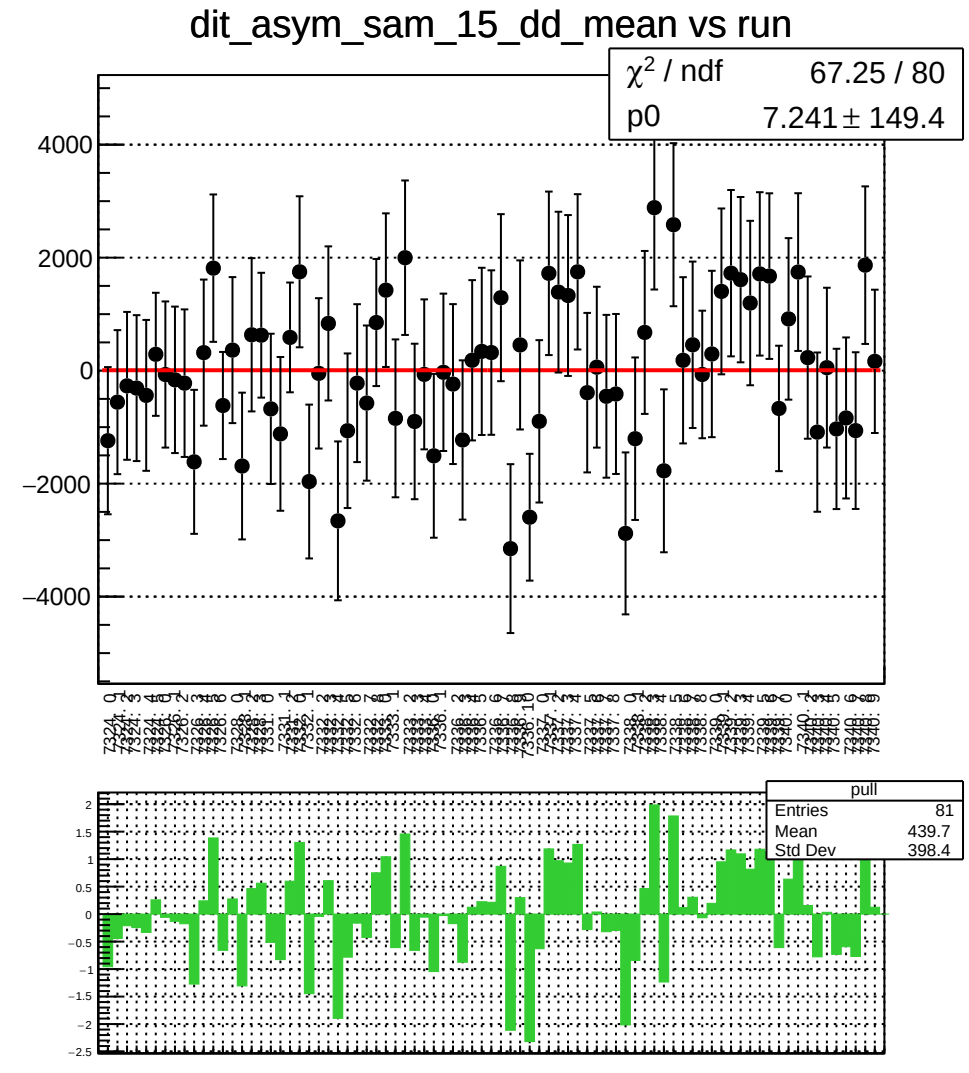

pull1D
Entries 81
Mean −0.01291
Std Dev 0.9557

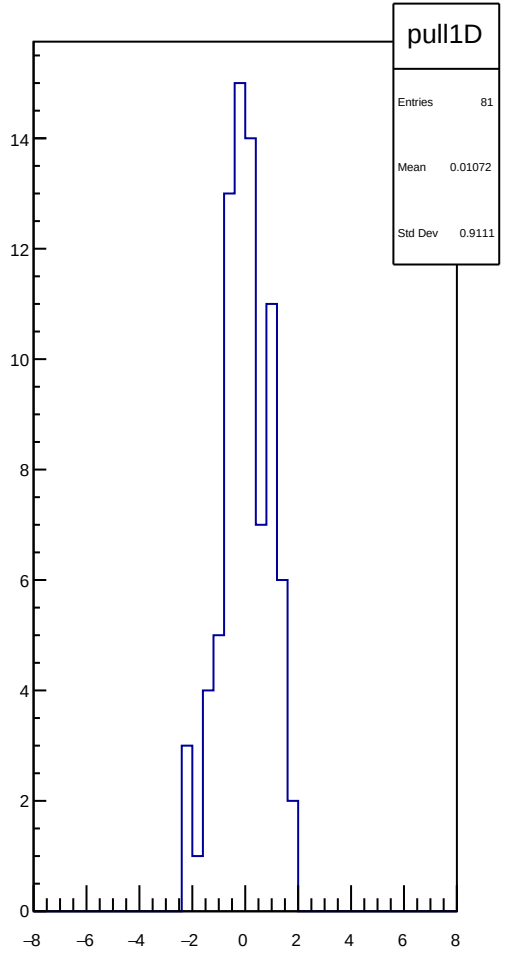

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3714 / 80
p0 1356 ± 1.087
1550
1500
1450
1400
1350
1300
1250
1200

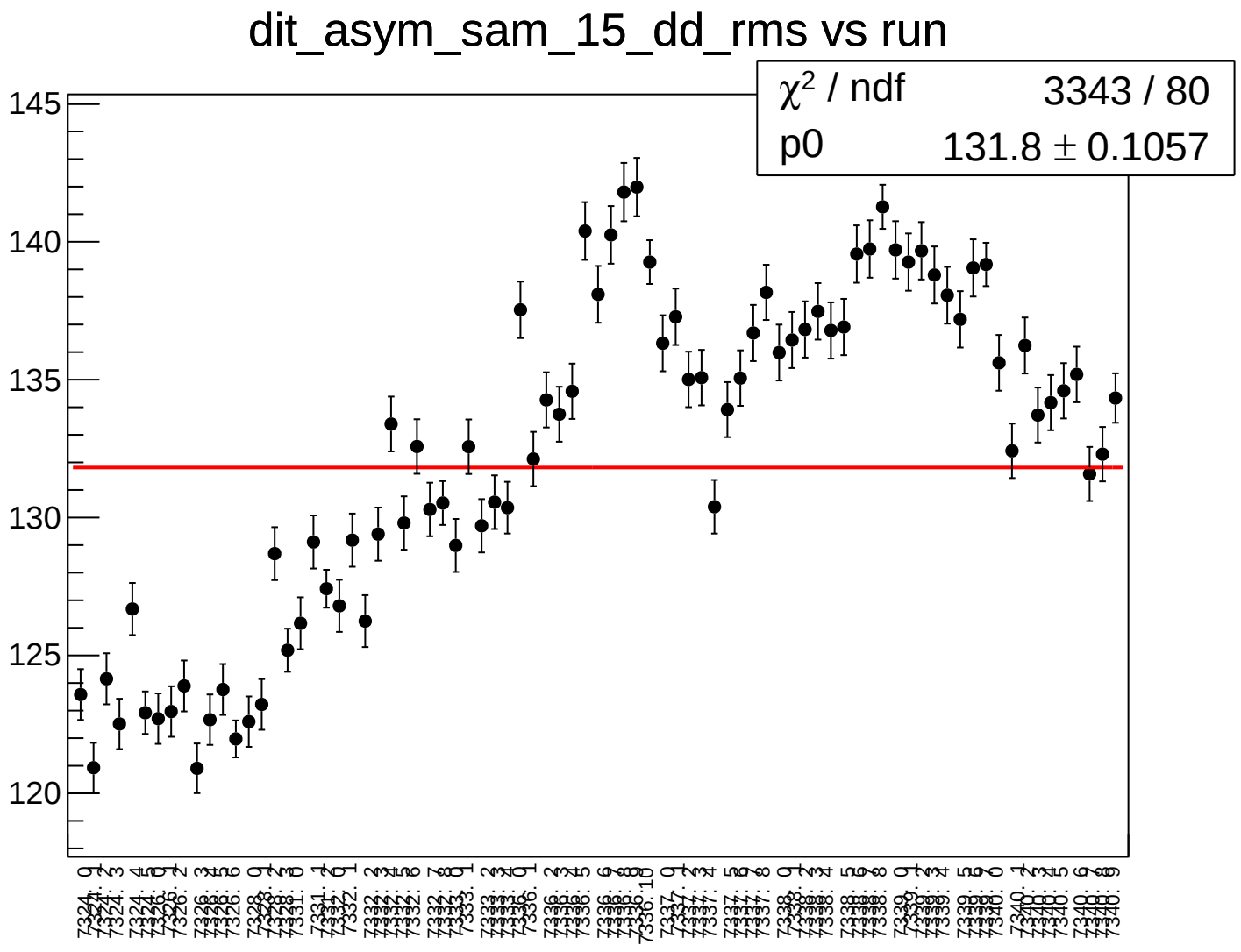

asym_sam_48_avg_mean vs run
χ² / ndf 72.62 / 80
p0 61.9 ± 1510
pull
Entries 81
Mean 2421
Std Dev 2376

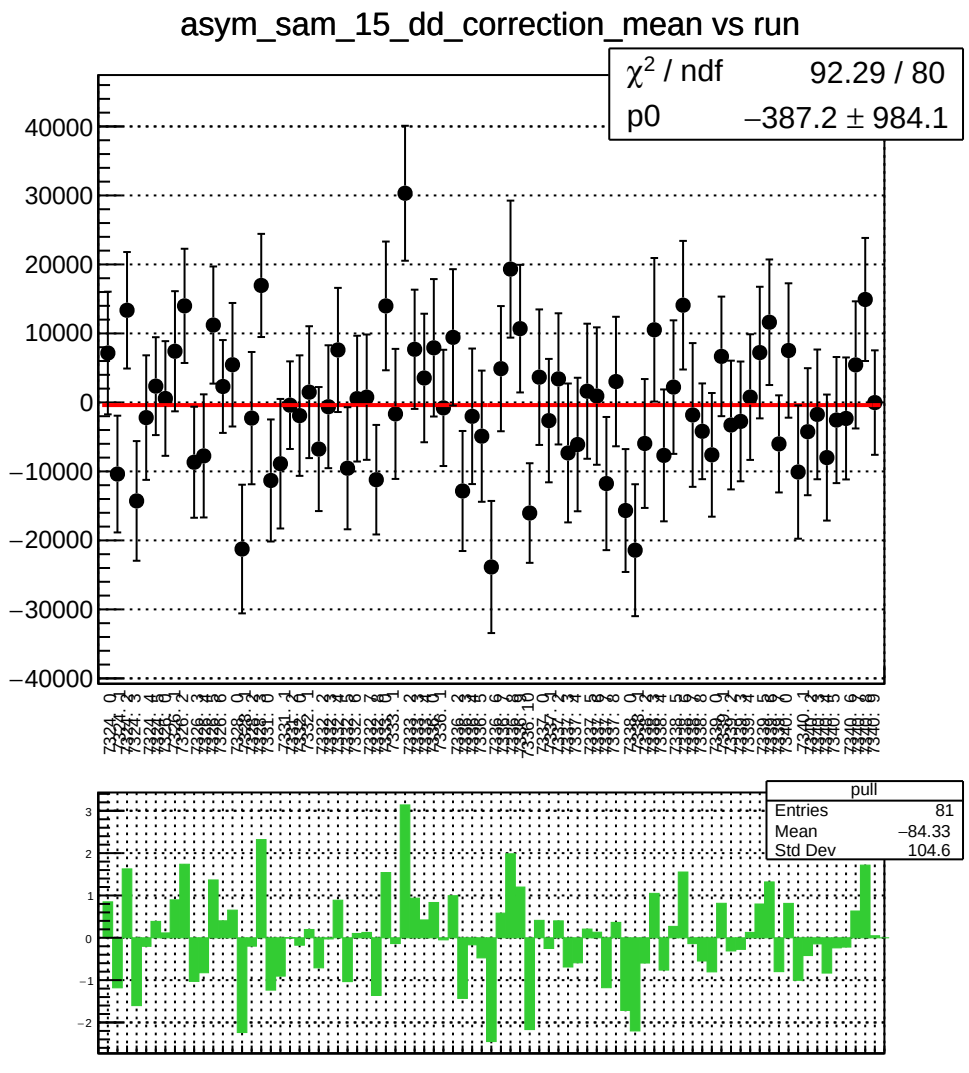

pull1D
Entries 81
Mean −0.001102
Std Dev 0.9468

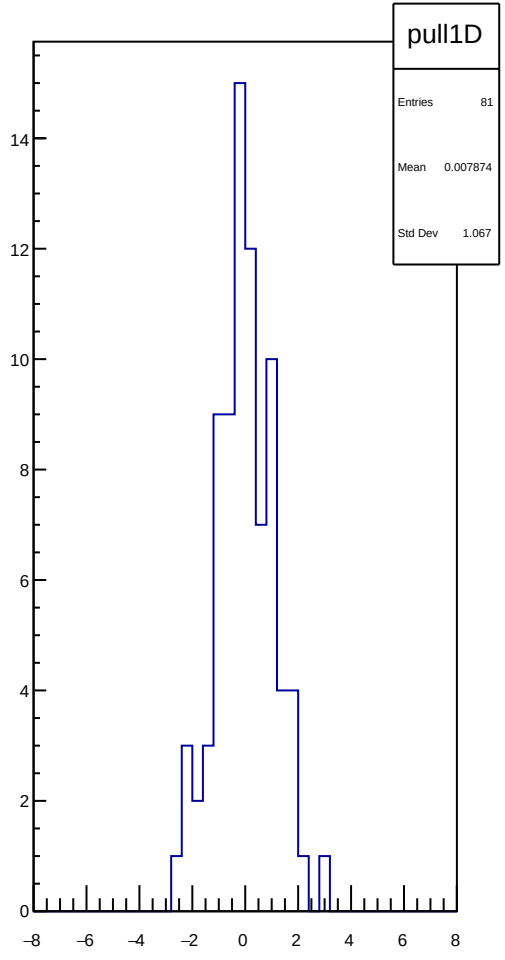

asym_sam_48_avg_rms vs run
χ² / ndf 2.247e+04 / 80
p0 1324 ± 1.068
1700
1600
1500
1400
1300
1200
1100
1000

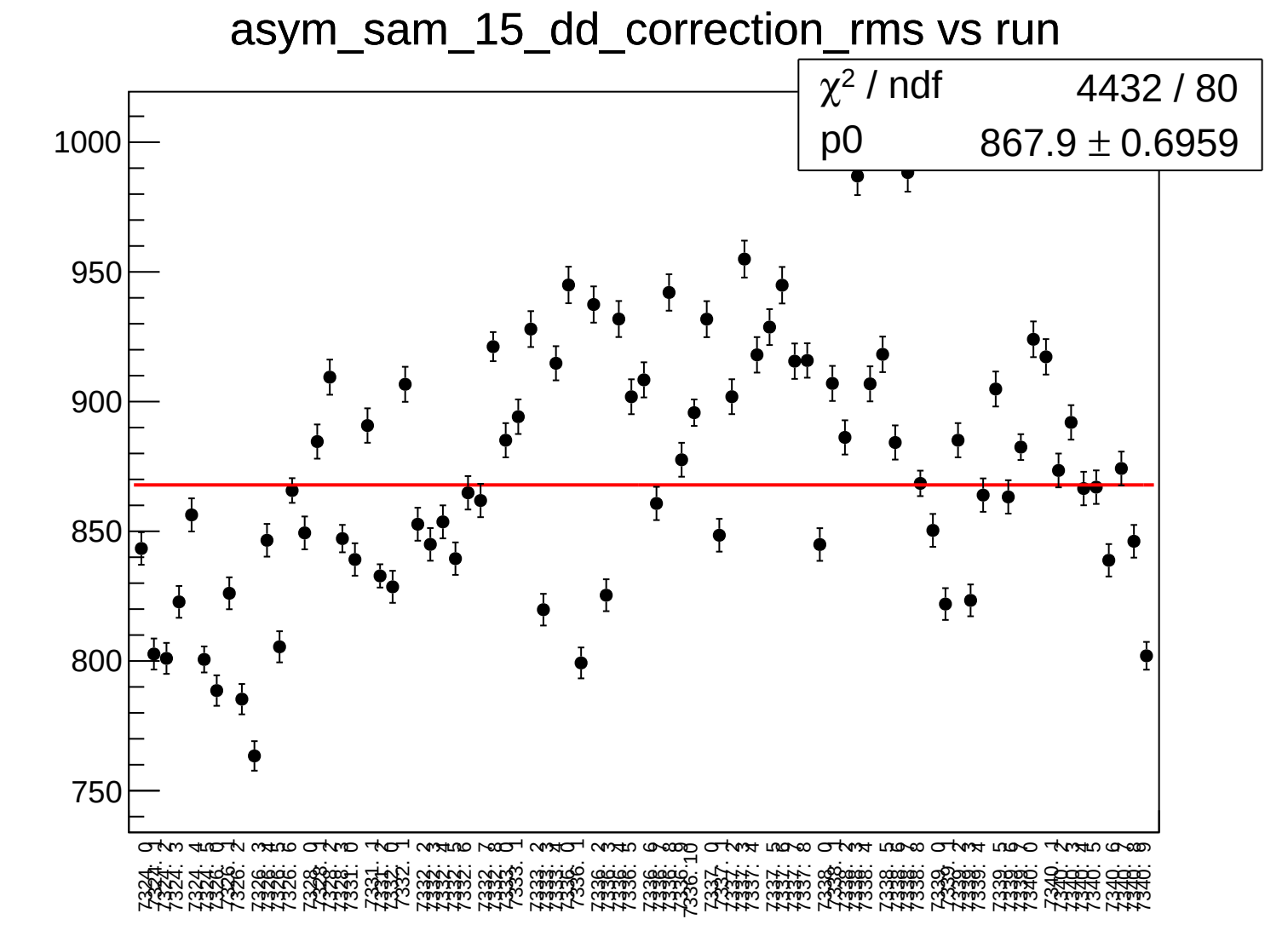

dit_asym_sam_15_dd_mean vs run
χ² / ndf 67.25 / 80
p0 7.241 ± 149.4
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 439.7
Std Dev 398.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

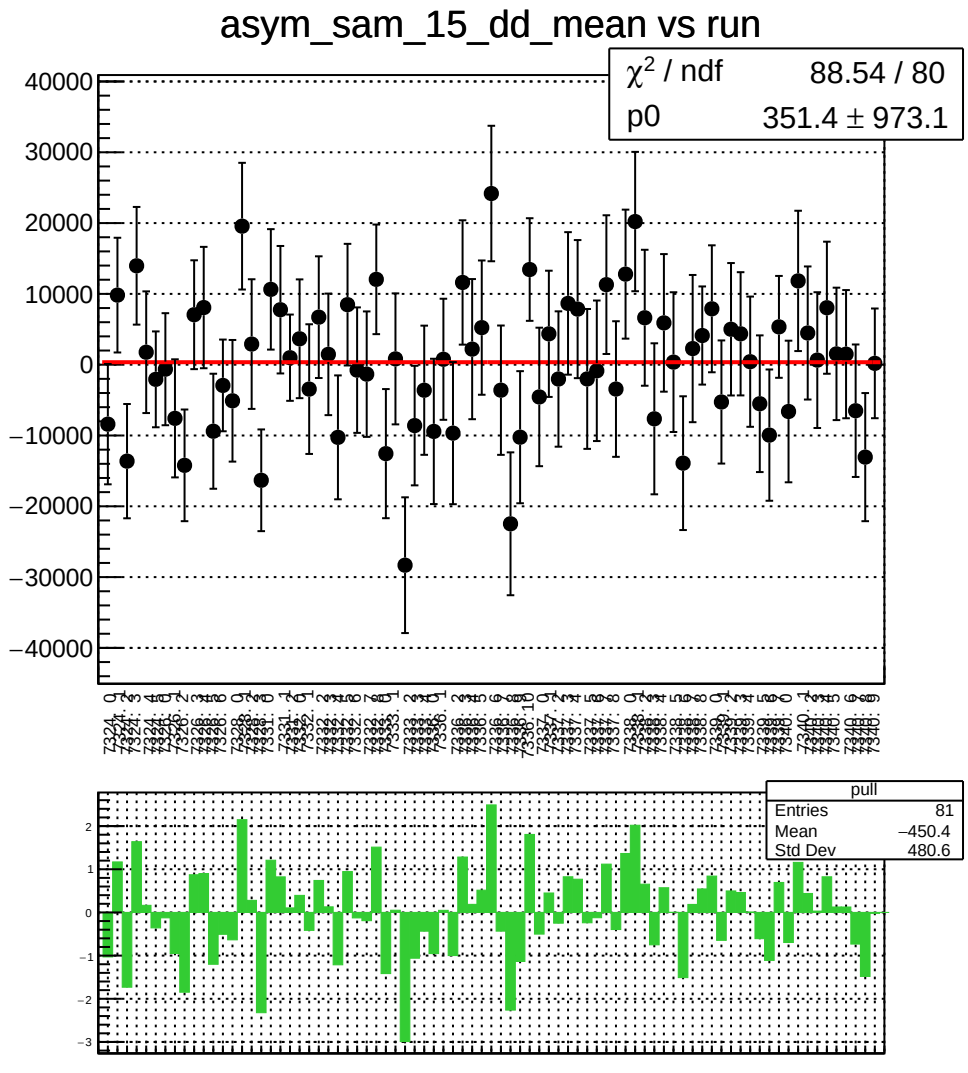

pull1D
Entries 81
Mean 0.01072
Std Dev 0.9111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

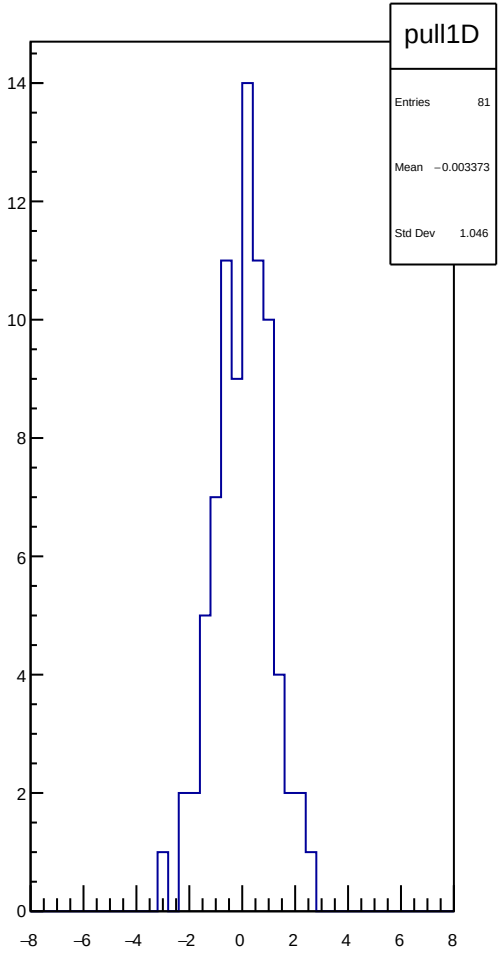

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 3343 / 80
p0 131.8 ± 0.1057
145
140
135
130
125
120

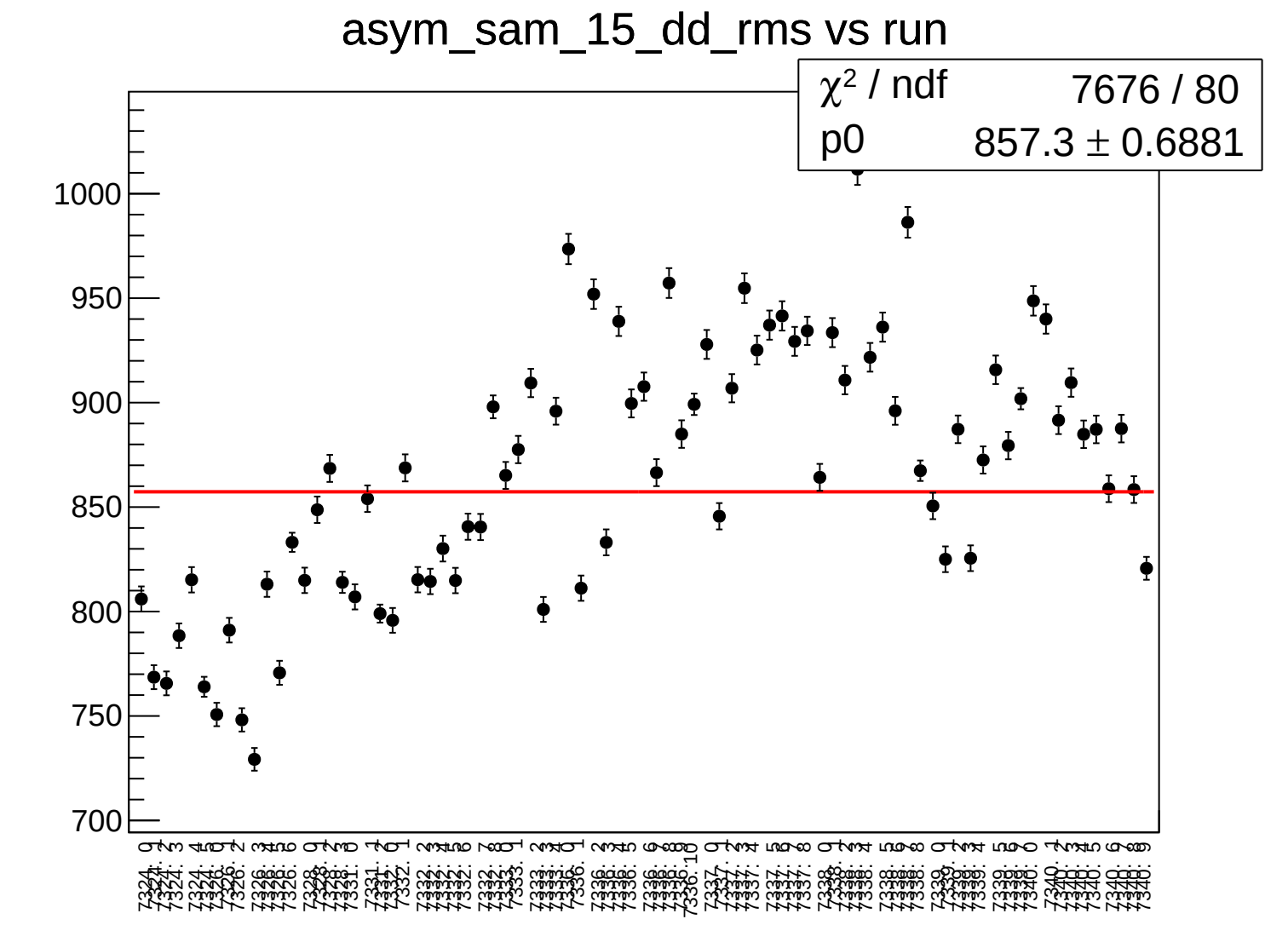

asym_sam_15_dd_correction_mean vs run
χ² / ndf 92.29 / 80
p0 −387.2 ± 984.1
pull
Entries 81
Mean −84.33
Std Dev 104.6

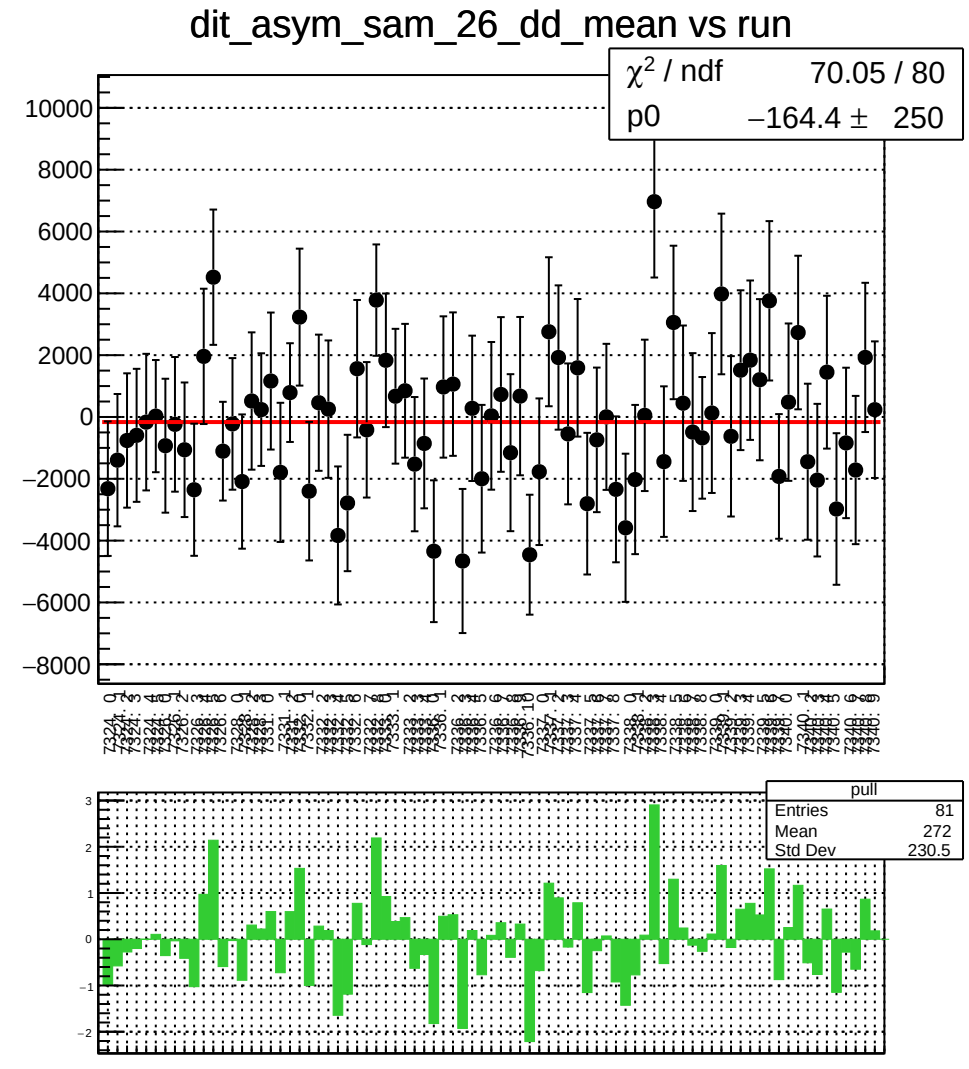

pull1D
Entries 81
Mean 0.007874
Std Dev 1.067

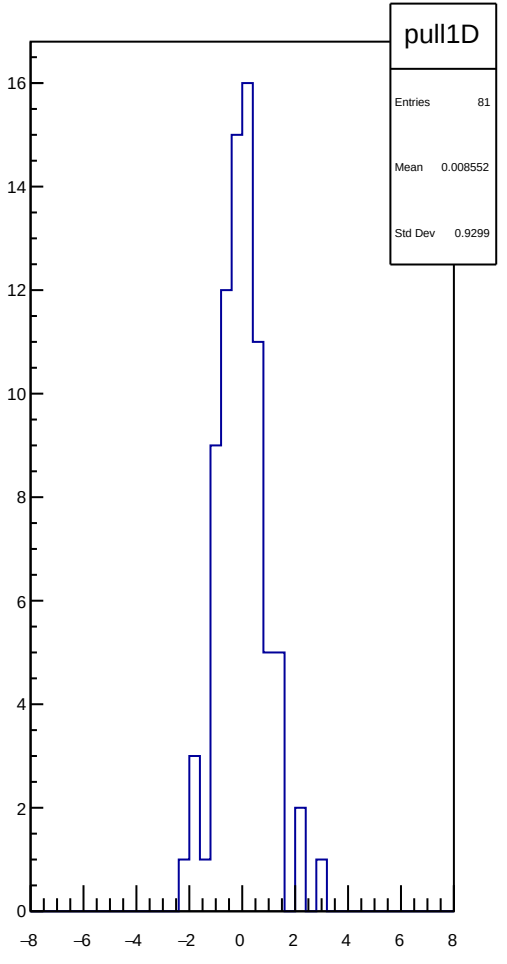

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4432 / 80
p0 867.9 ± 0.6959
1000
950
900
850
800
750

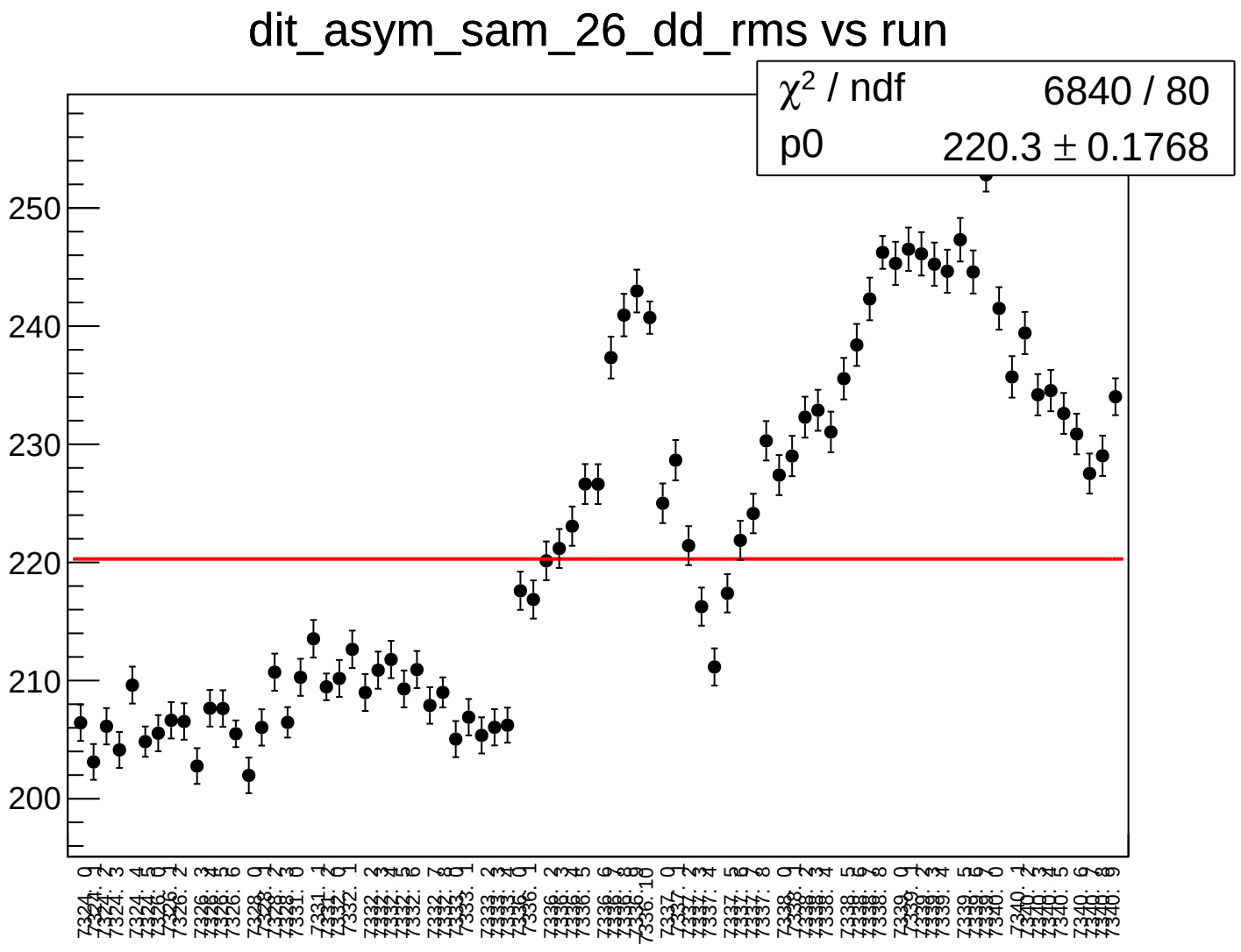

asym_sam_15_dd_mean vs run
χ² / ndf 88.54 / 80
p0 351.4 ± 973.1
pull
Entries 81
Mean −450.4
Std Dev 480.6

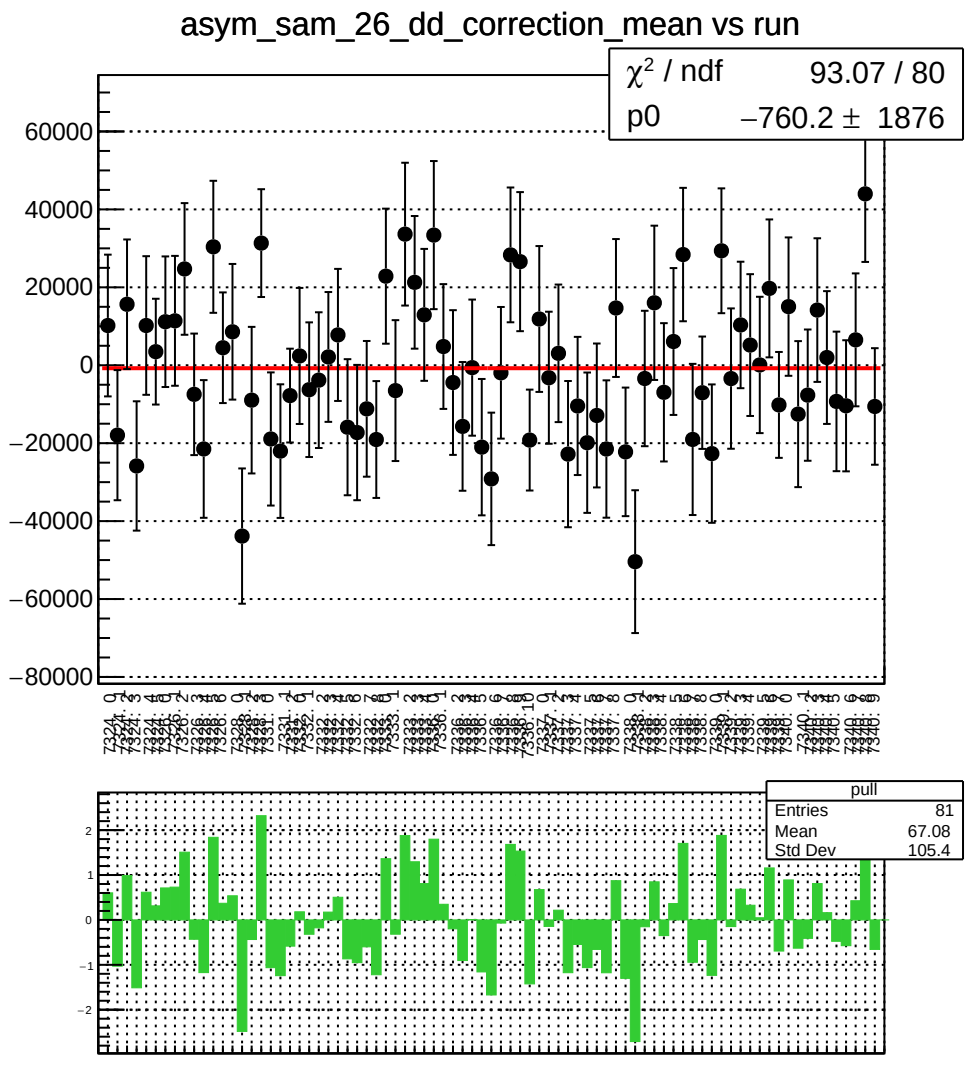

pull1D
Entries 81
Mean −0.003373
Std Dev 1.046

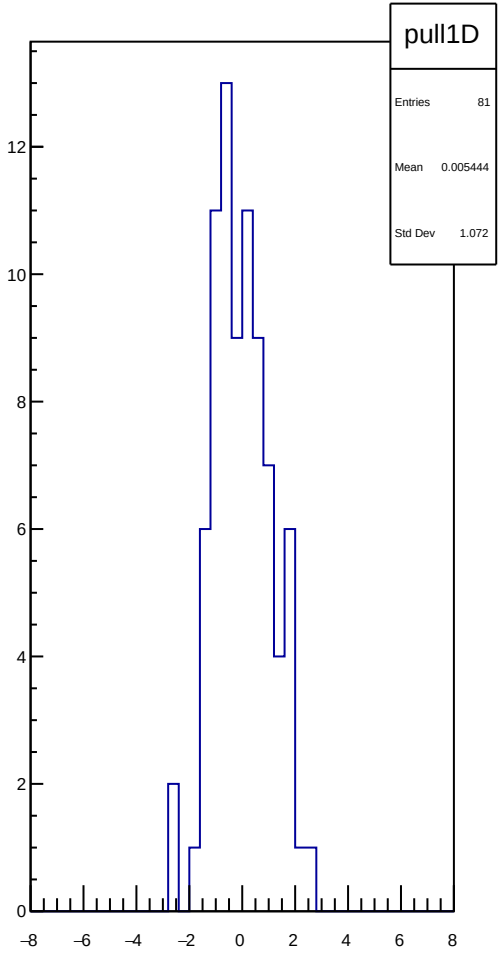

asym_sam_15_dd_rms vs run
χ² / ndf 7676 / 80
p0 857.3 ± 0.6881
1000
950
900
850
800
750
700

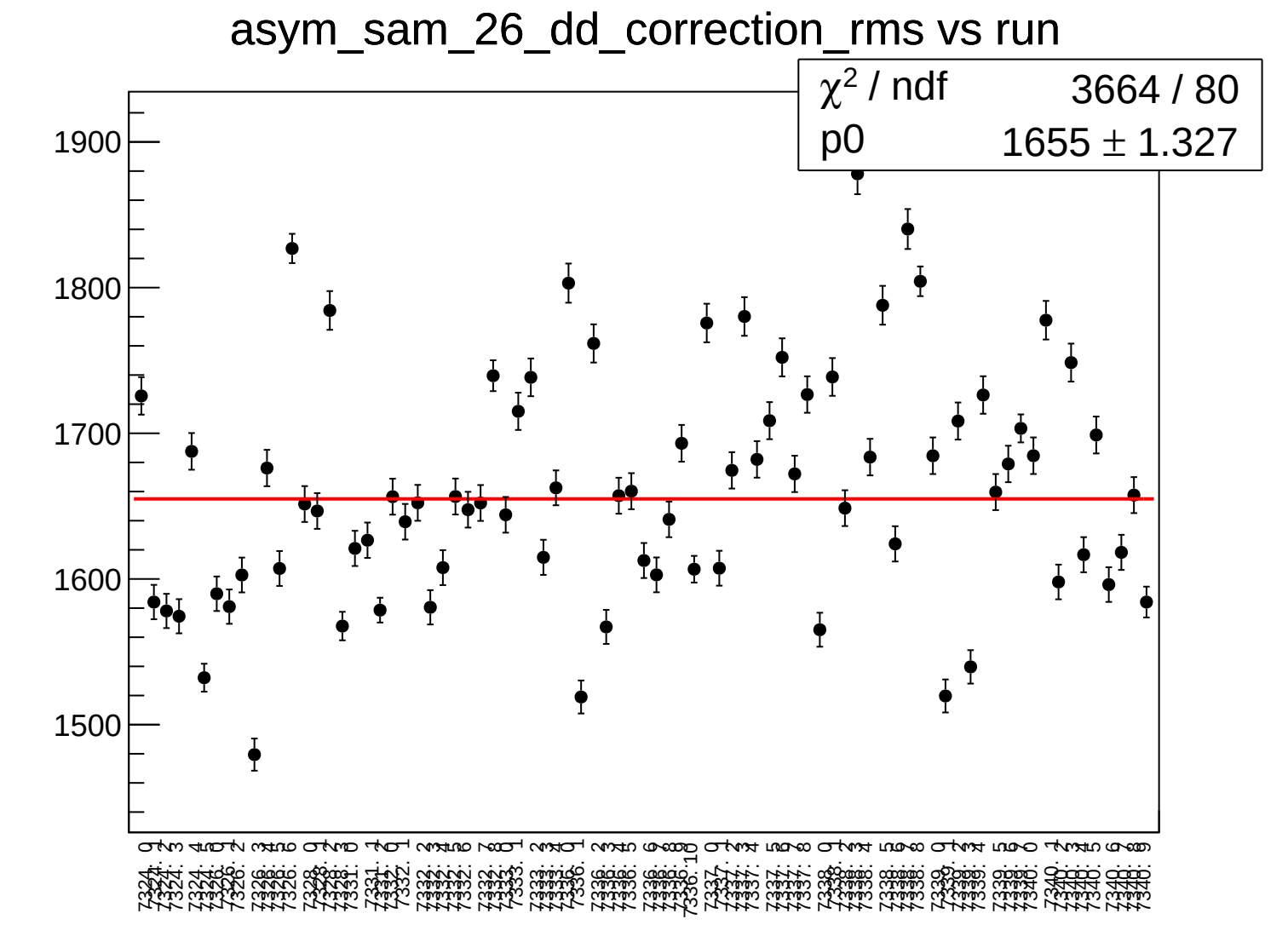

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 70.05 / 80
p0 −164.4 ± 250
pull
Entries 81
Mean 272
Std Dev 230.5

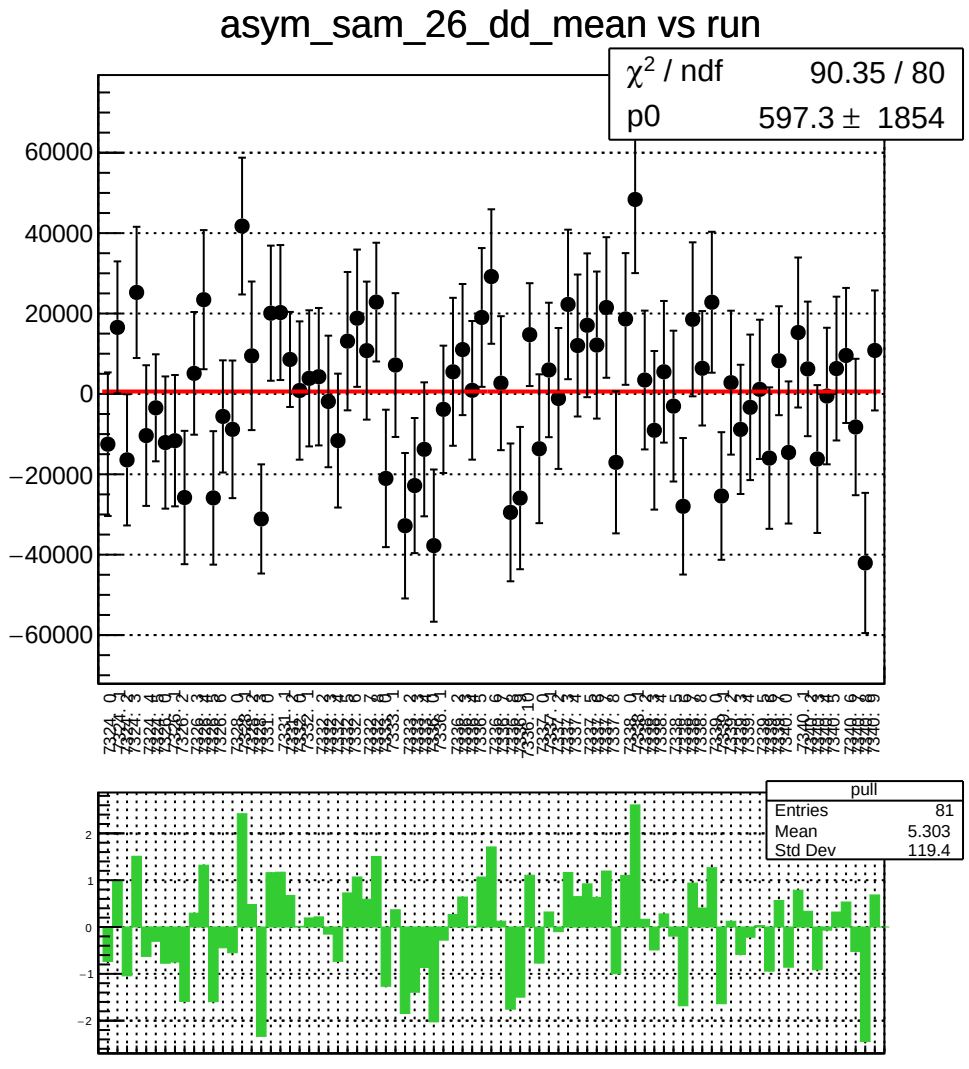

pull1D
Entries 81
Mean 0.008552
Std Dev 0.9299

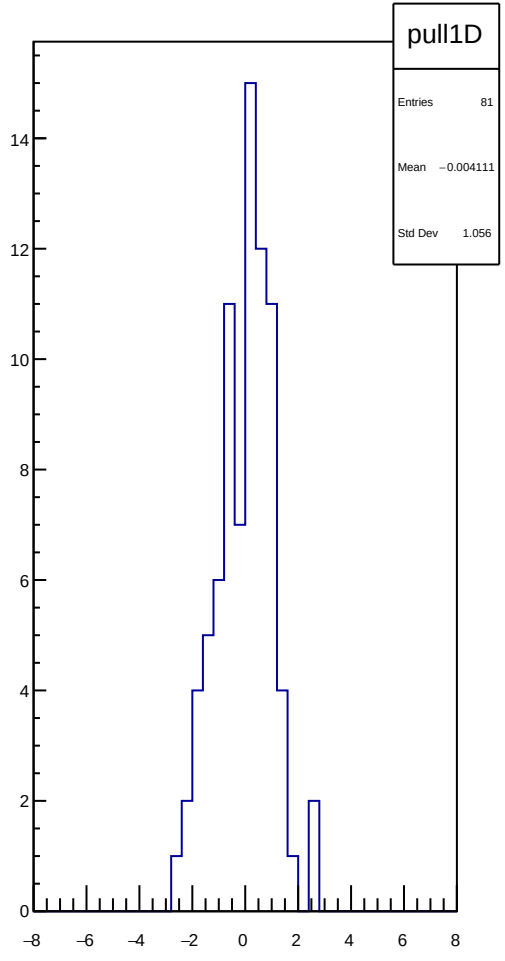

dit_asym_sam_26_dd_rms vs run
χ² / ndf 6840 / 80
p0 220.3 ± 0.1768
250
240
230
220
210
200

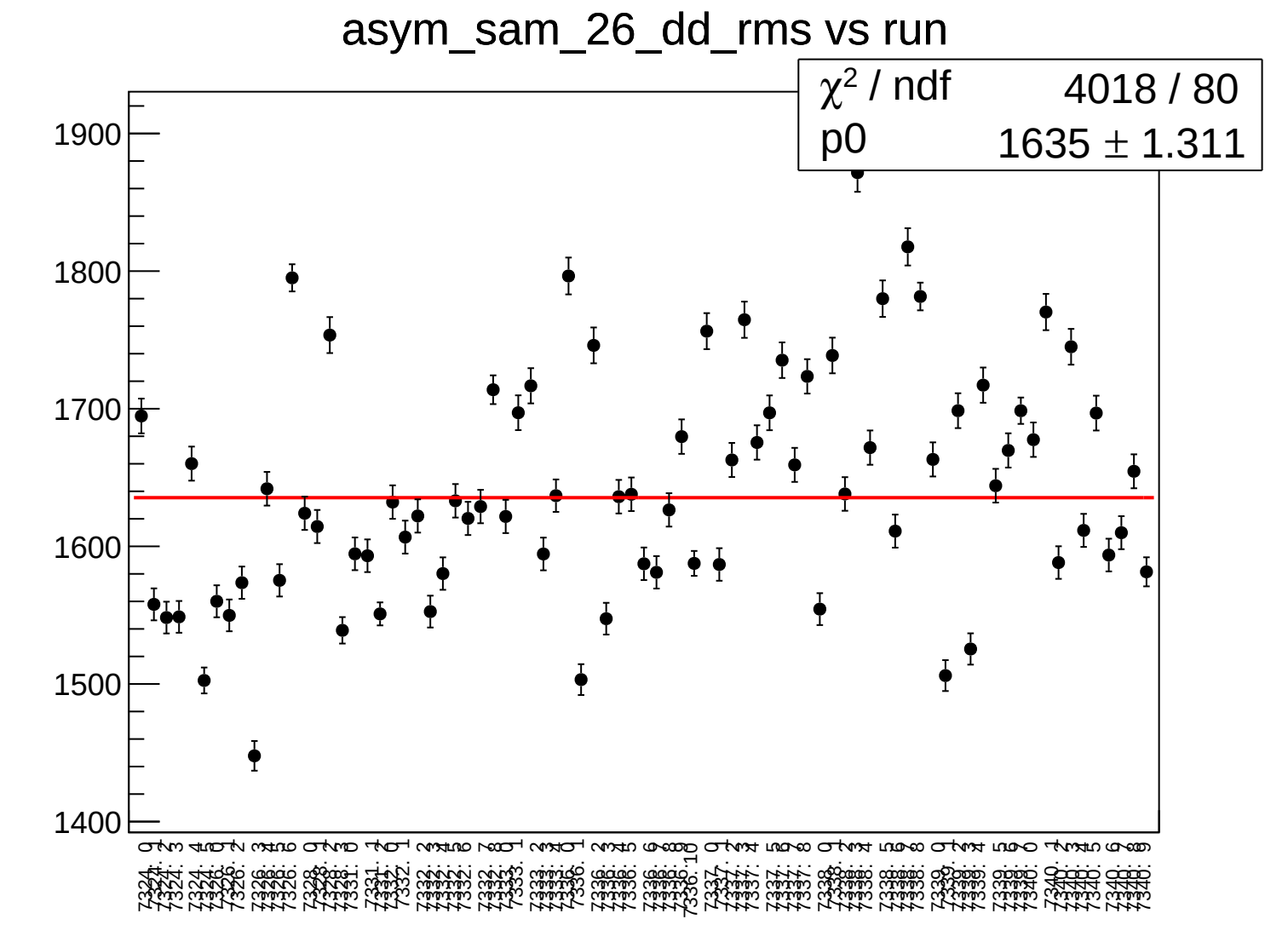

asym_sam_26_dd_correction_mean vs run
χ² / ndf 93.07 / 80
p0 −760.2 ± 1876
pull
Entries 81
Mean 67.08
Std Dev 105.4

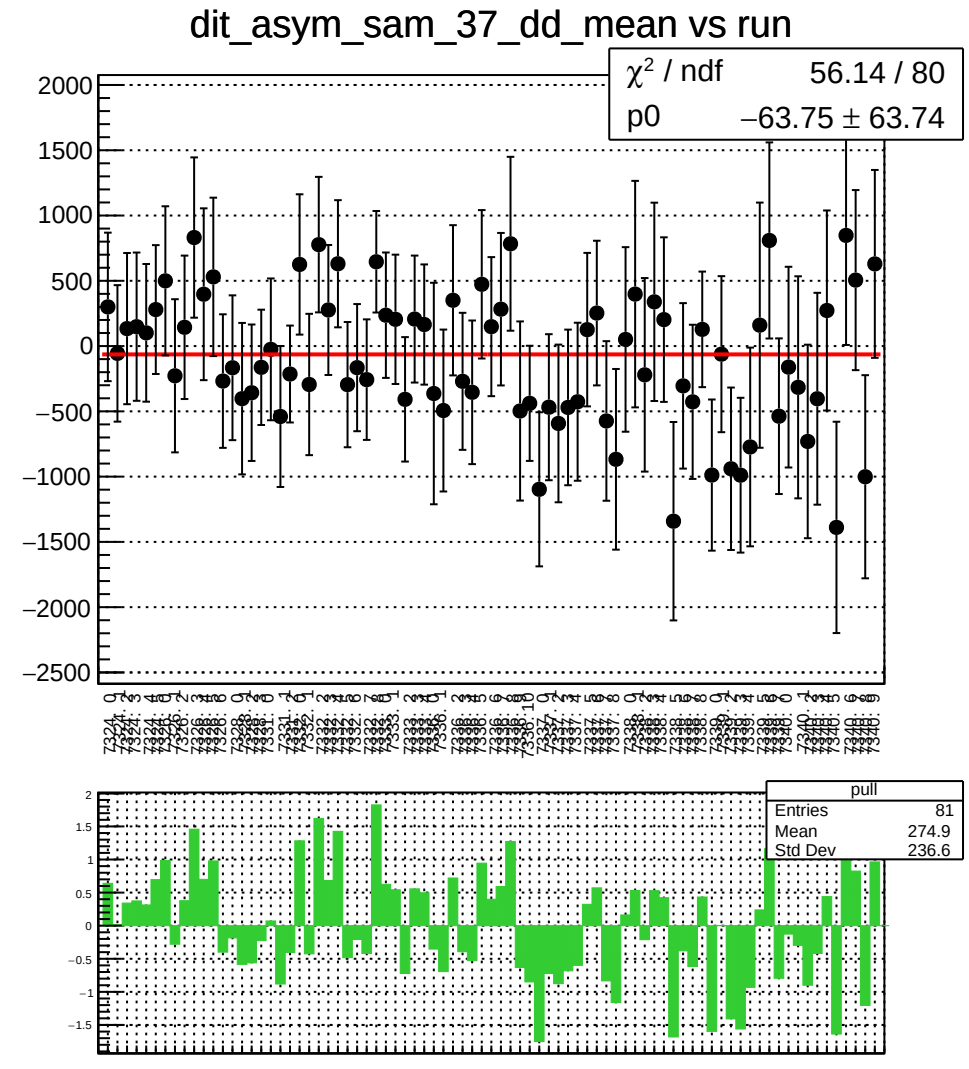

pull1D
Entries 81
Mean 0.005444
Std Dev 1.072

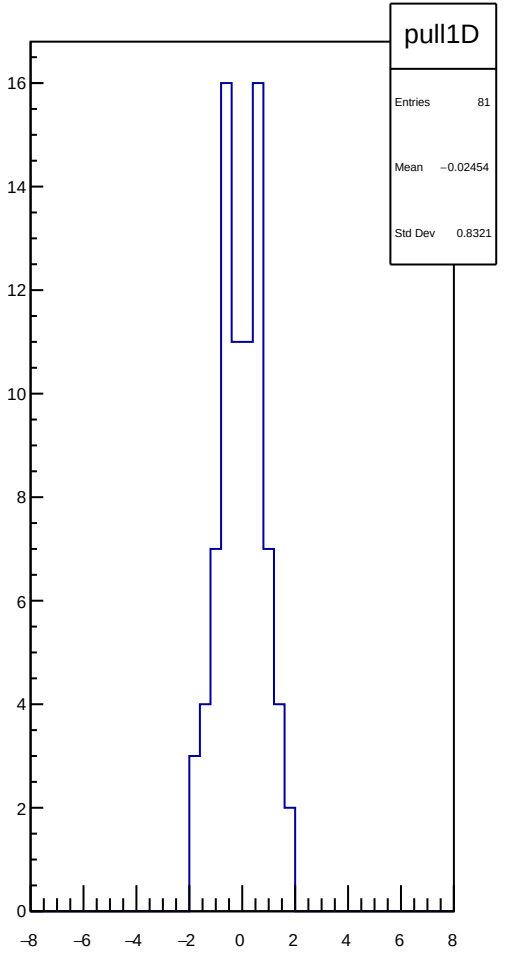

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3664 / 80
p0 1655 ± 1.327
1900
1800
1700
1600
1500

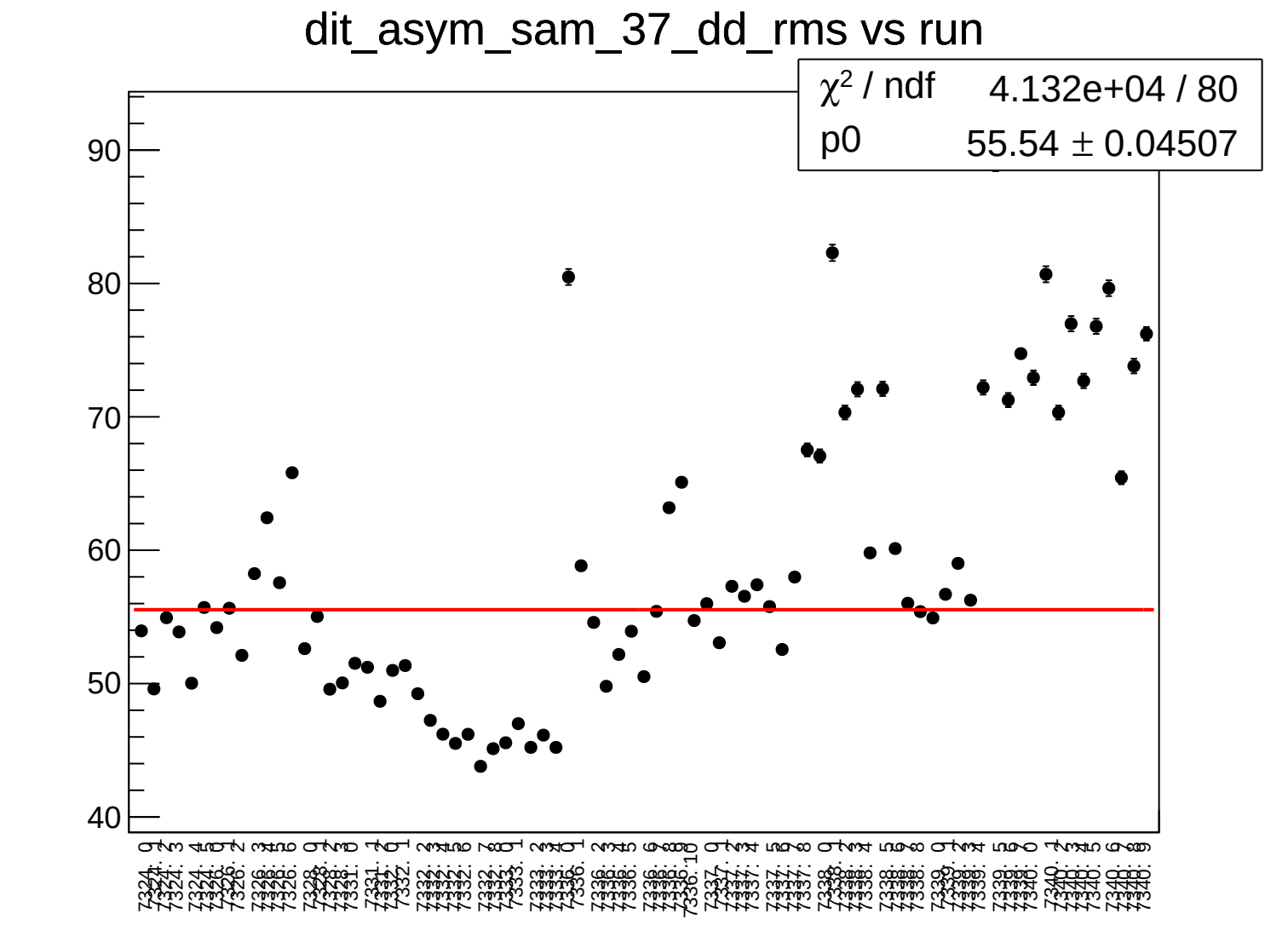

asym_sam_26_dd_mean vs run
χ^2 / ndf 90.35 / 80
p0 597.3 ± 1854
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 5.303
Std Dev 119.4
2
1
0
−1
−2

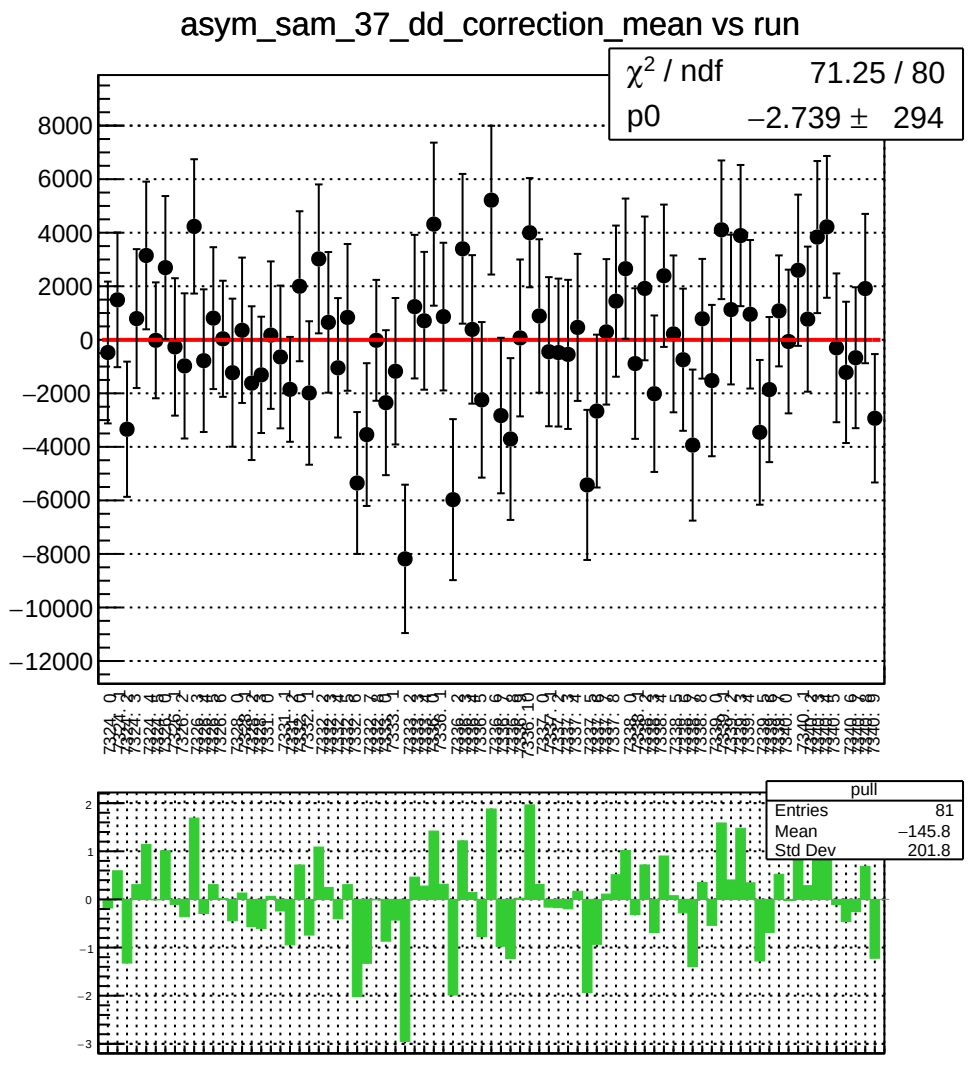

pull1D
Entries 81
Mean −0.004111
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

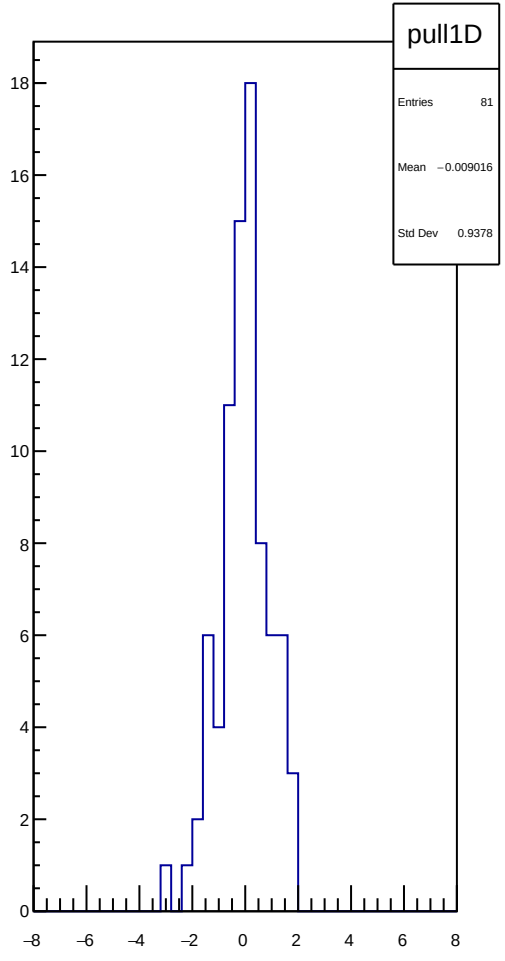

asym_sam_26_dd_rms vs run
χ² / ndf 4018 / 80
p0 1635 ± 1.311
1900
1800
1700
1600
1500
1400

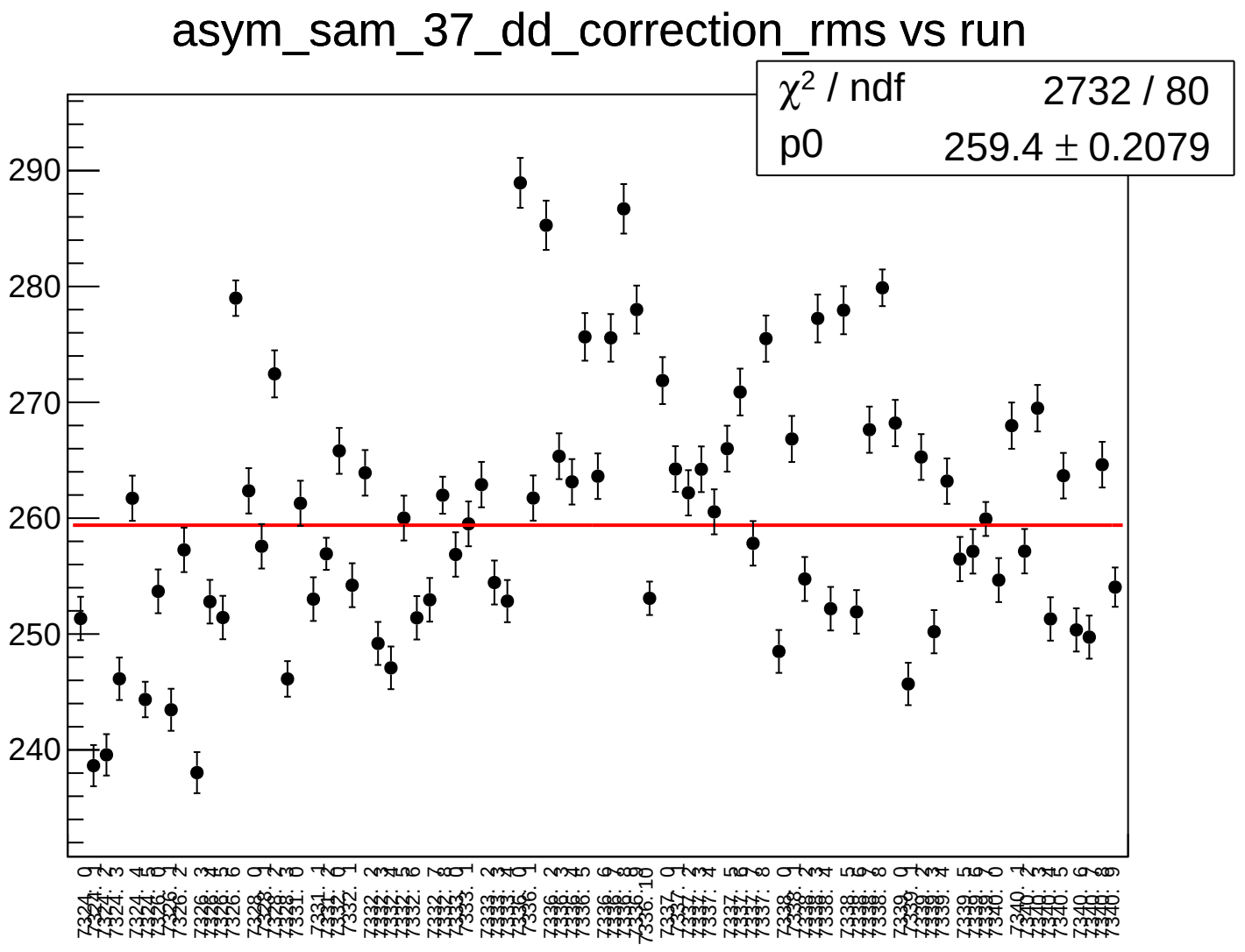

dit_asym_sam_37_dd_mean vs run
χ² / ndf 56.14 / 80
p0 −63.75 ± 63.74
pull
Entries 81
Mean 274.9
Std Dev 236.6

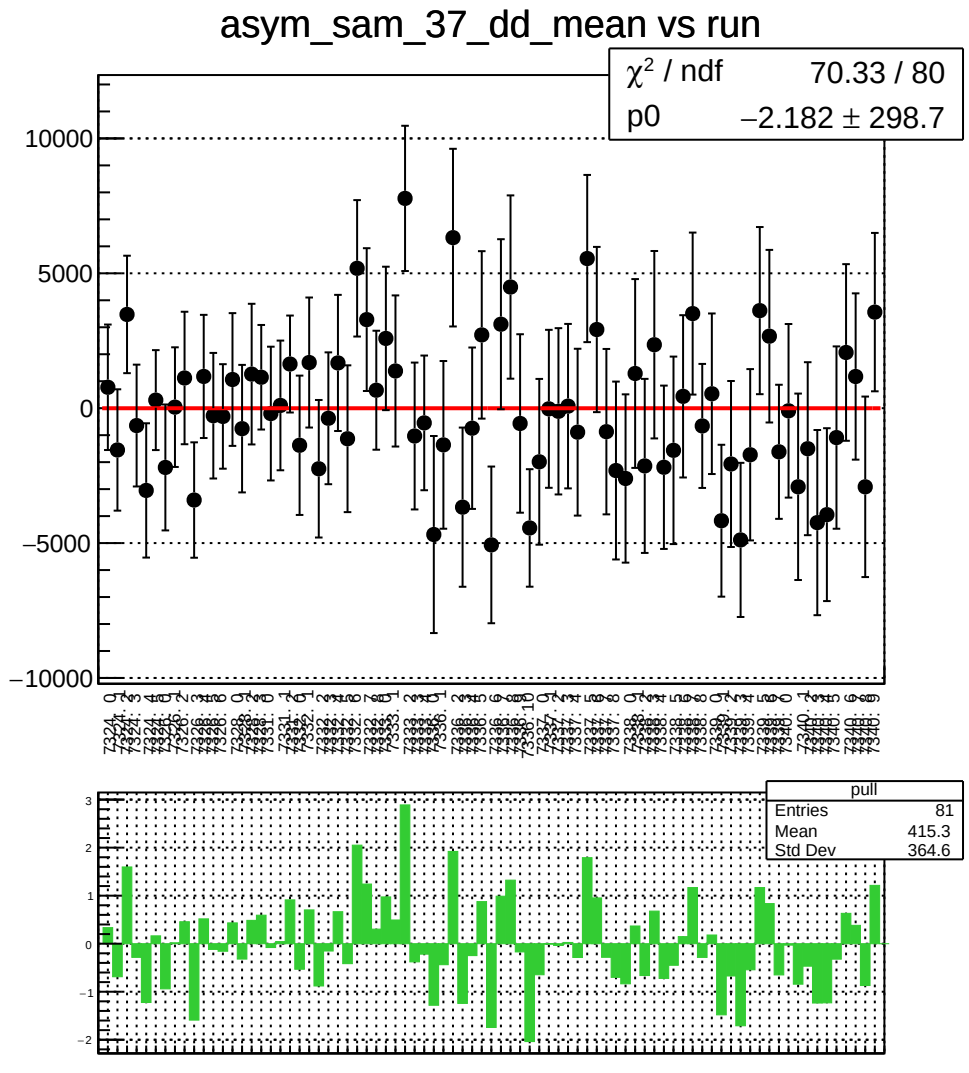

pull1D
Entries 81
Mean −0.02454
Std Dev 0.8321

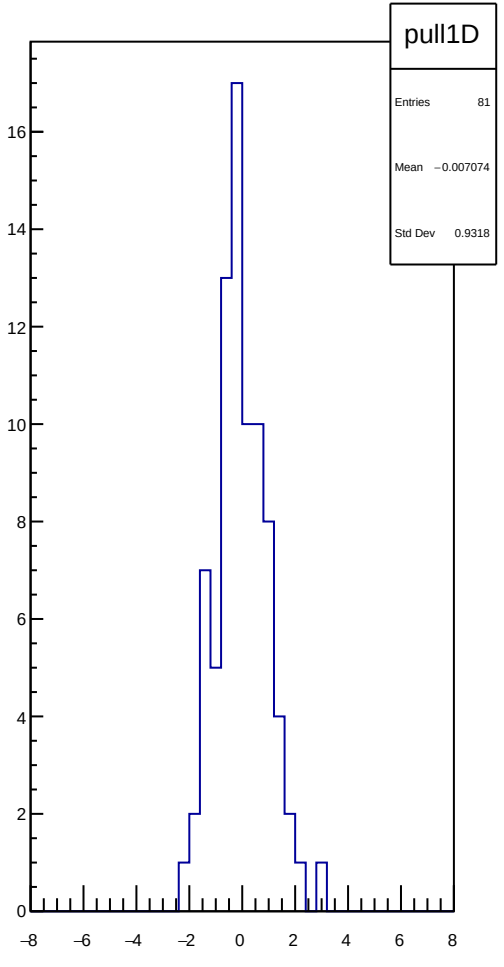

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 4.132e+04 / 80
p0 55.54 ± 0.04507
90
80
70
60
50
40

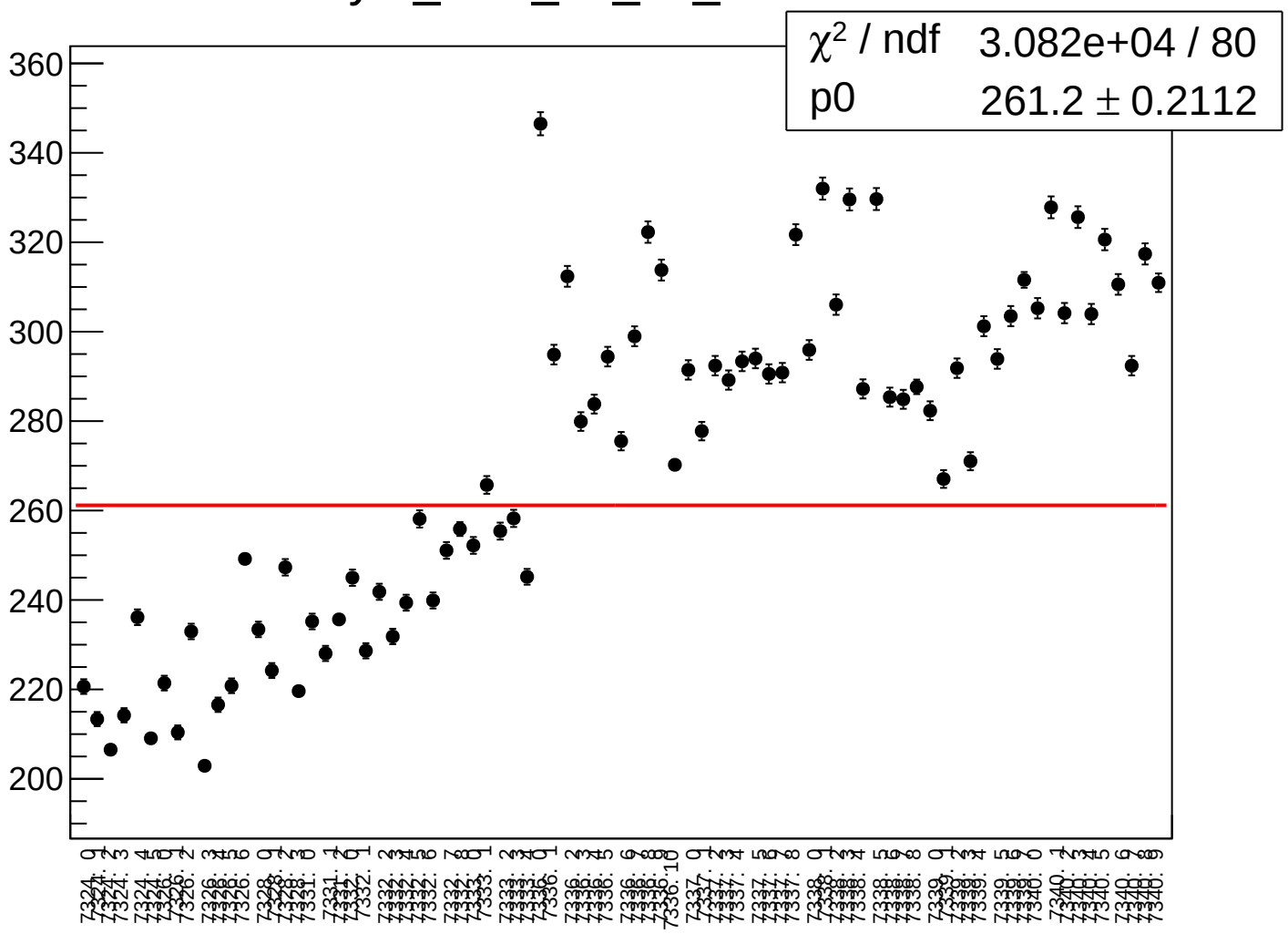

asym_sam_37_dd_correction_mean vs run
χ² / ndf 71.25 / 80
p0 −2.739 ± 294
pull
Entries 81
Mean −145.8
Std Dev 201.8

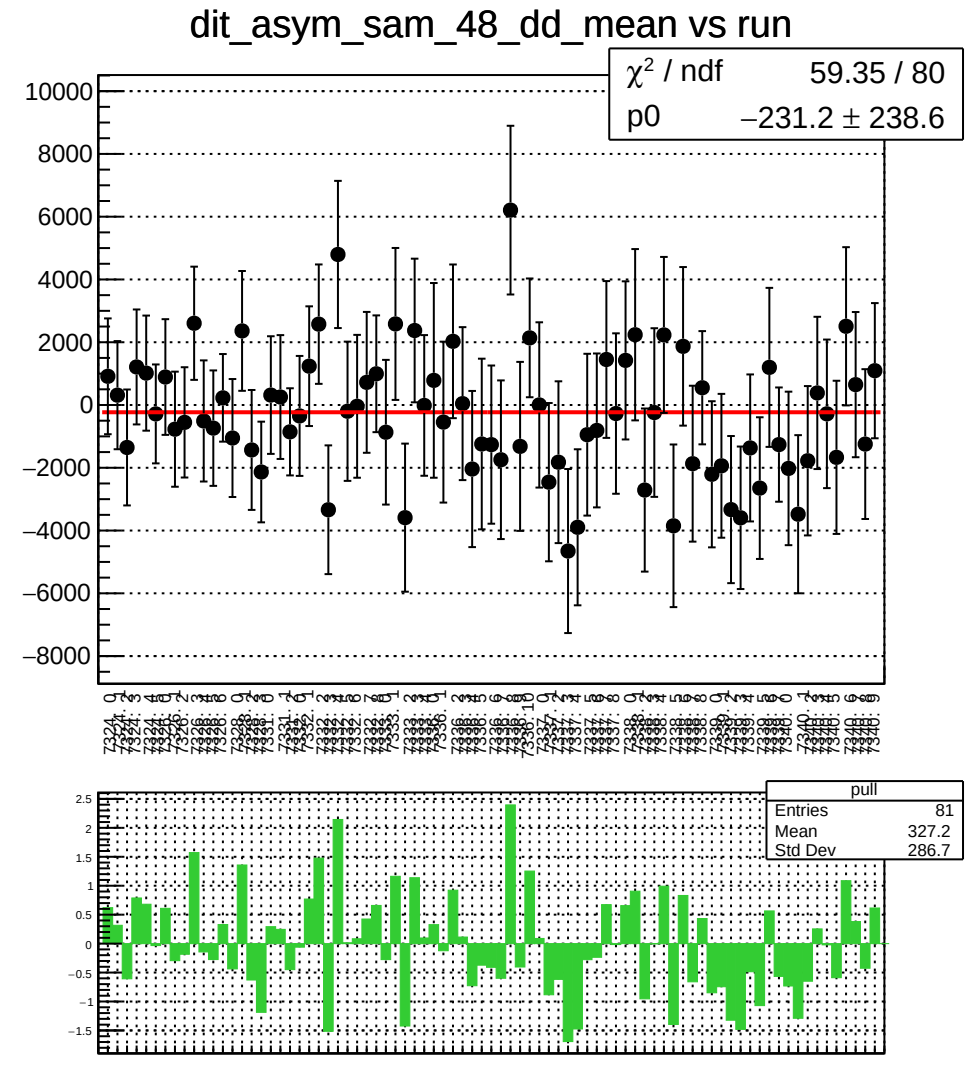

pull1D
Entries 81
Mean −0.009016
Std Dev 0.9378

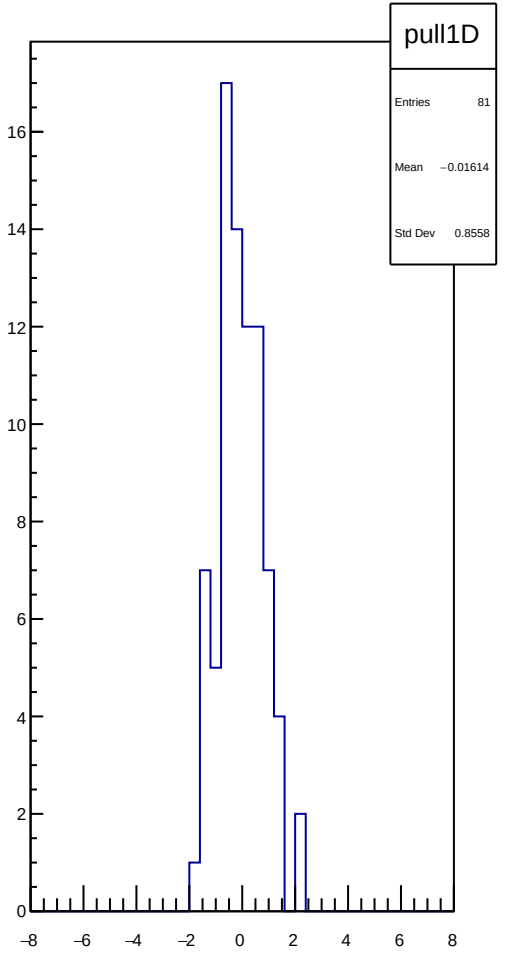

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2732 / 80
p0 259.4 ± 0.2079
290
280
270
260
250
240

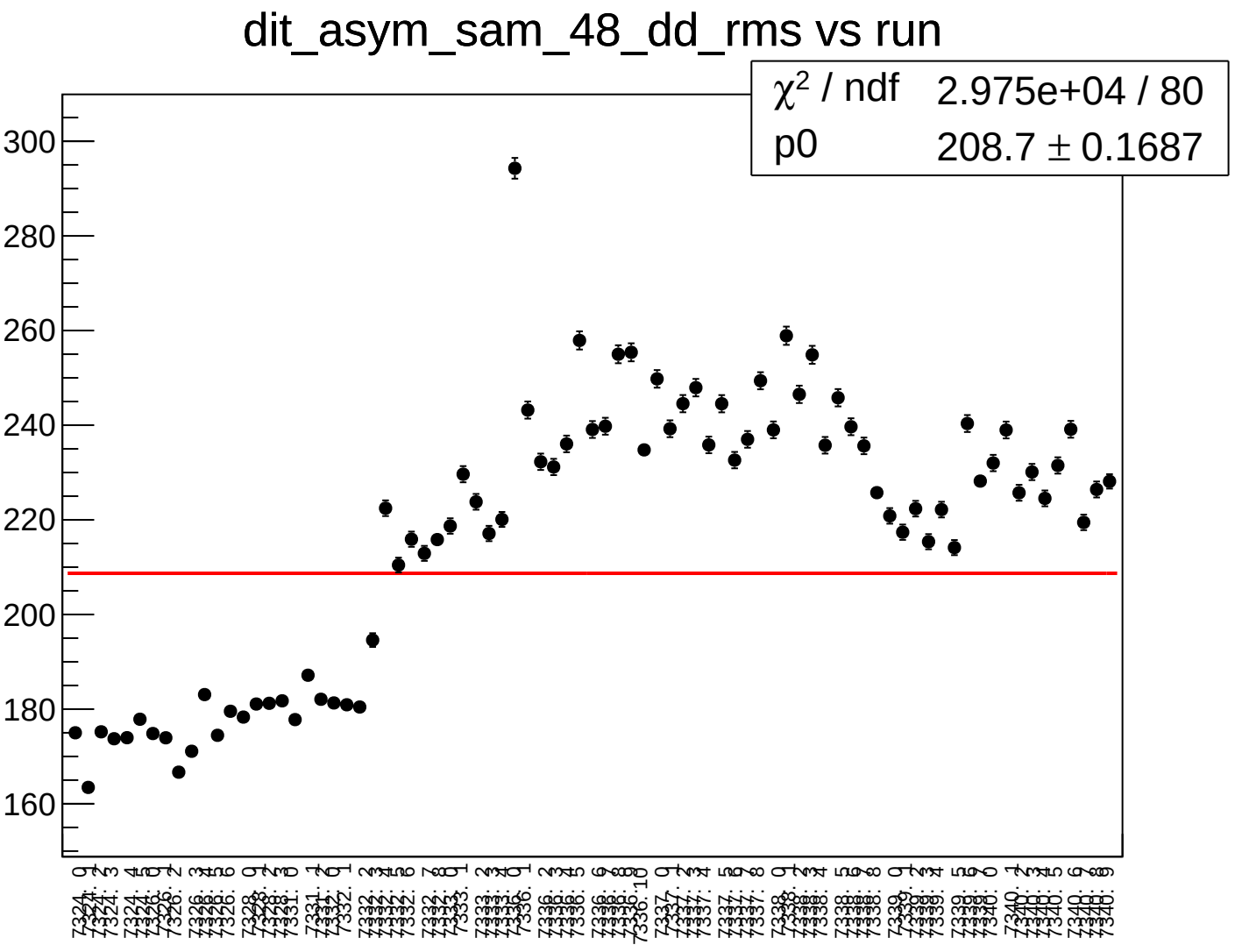

asym_sam_37_dd_mean vs run
χ² / ndf 70.33 / 80
p0 −2.182 ± 298.7
pull
Entries 81
Mean 415.3
Std Dev 364.6

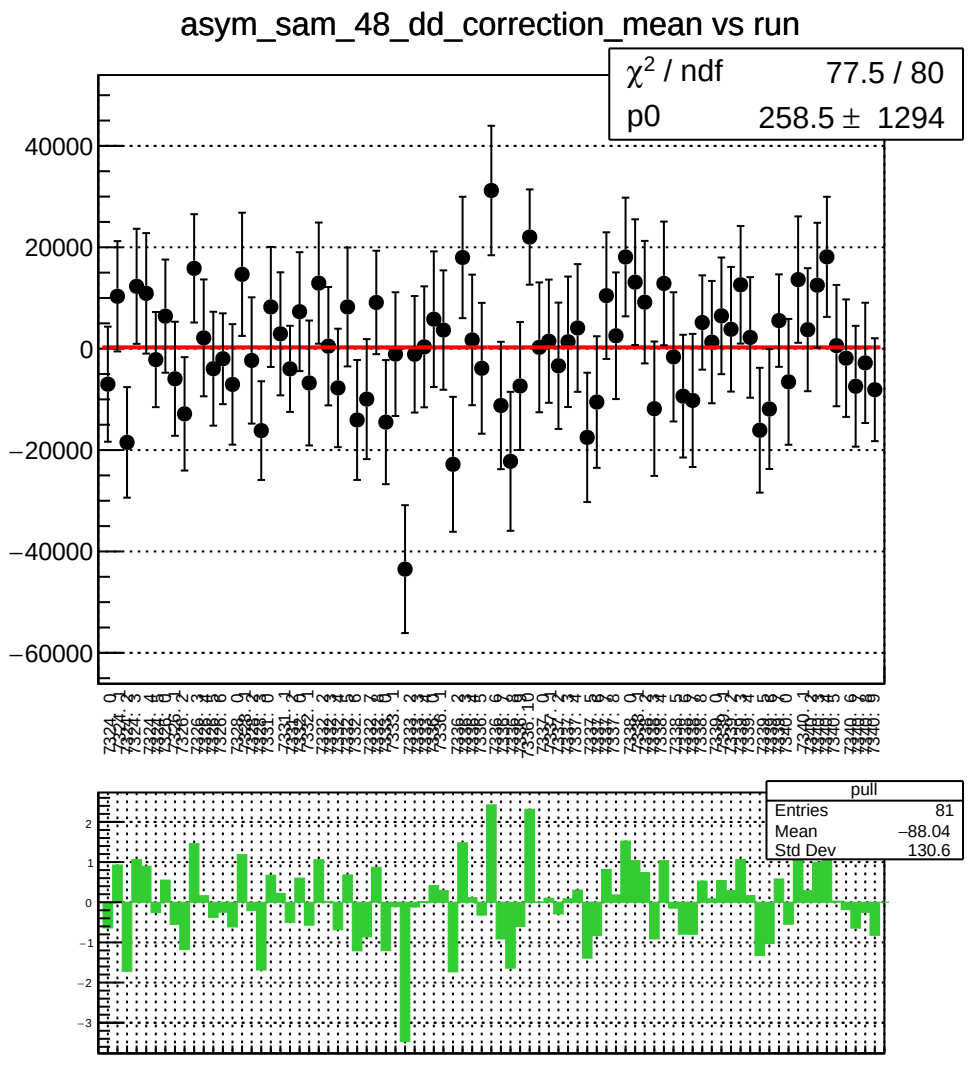

pull1D
Entries 81
Mean −0.007074
Std Dev 0.9318

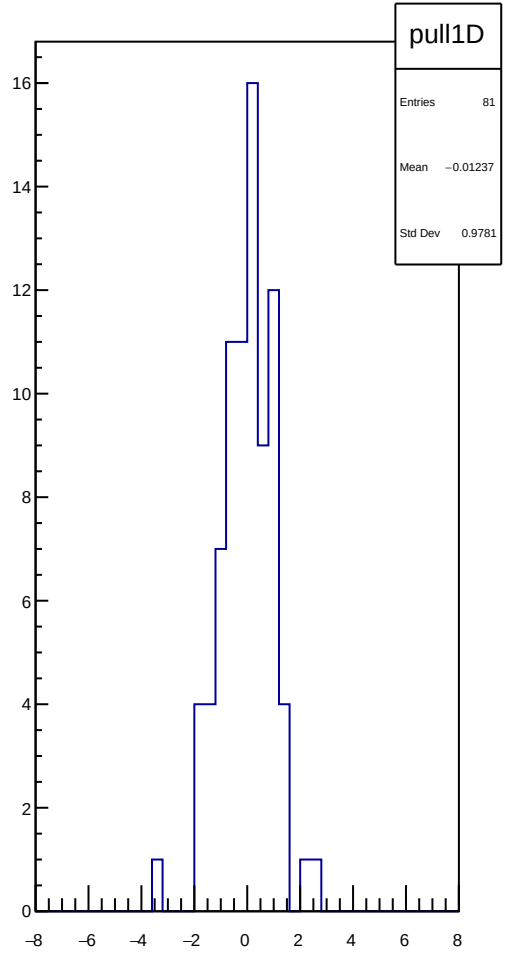

asym_sam_37_dd_rms vs run
χ² / ndf 3.082e+04 / 80
p0 261.2 ± 0.2112
360
340
320
300
280
260
240
220
200

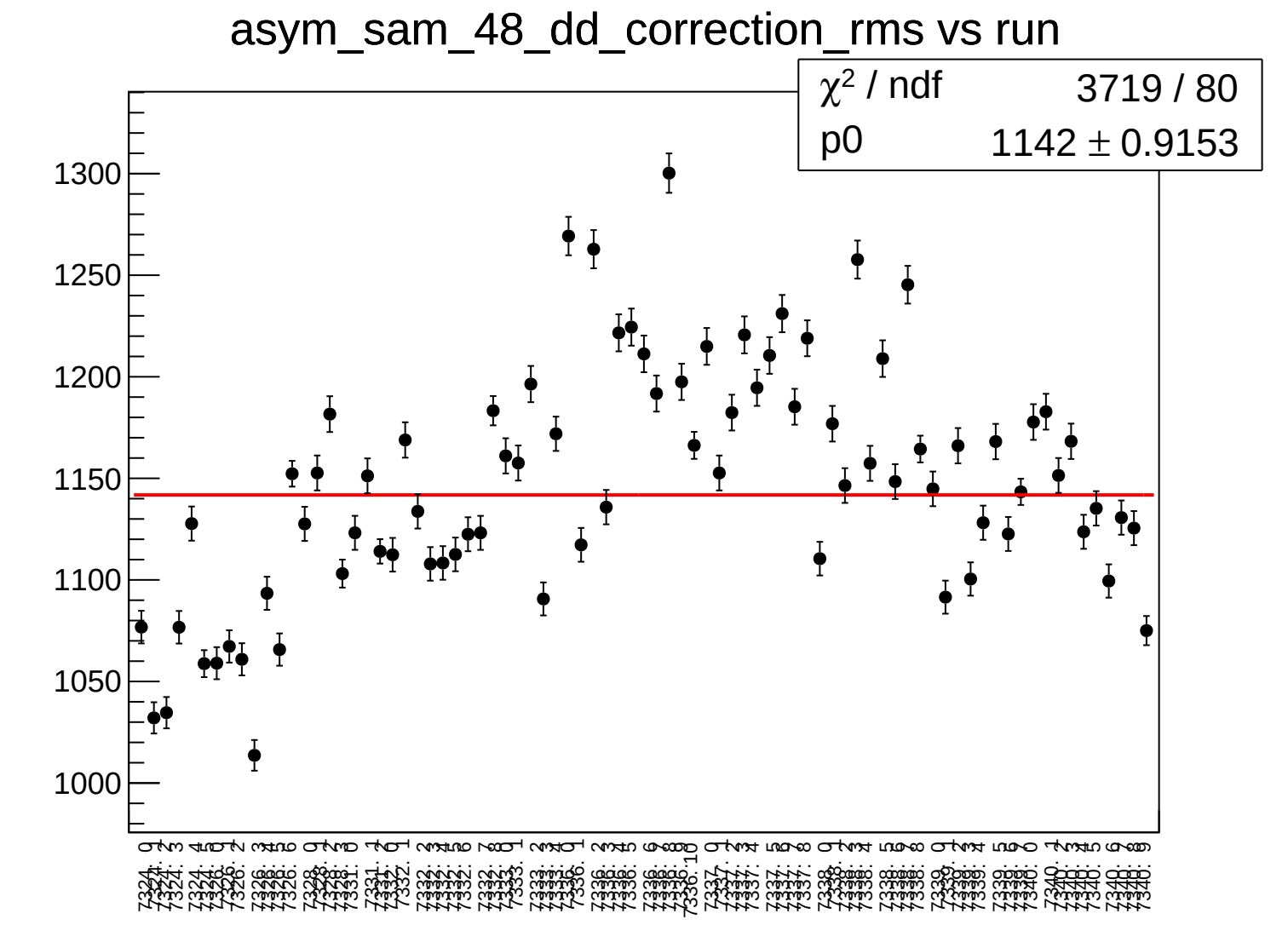

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 59.35 / 80
p0 −231.2 ± 238.6
pull
Entries 81
Mean 327.2
Std Dev 286.7

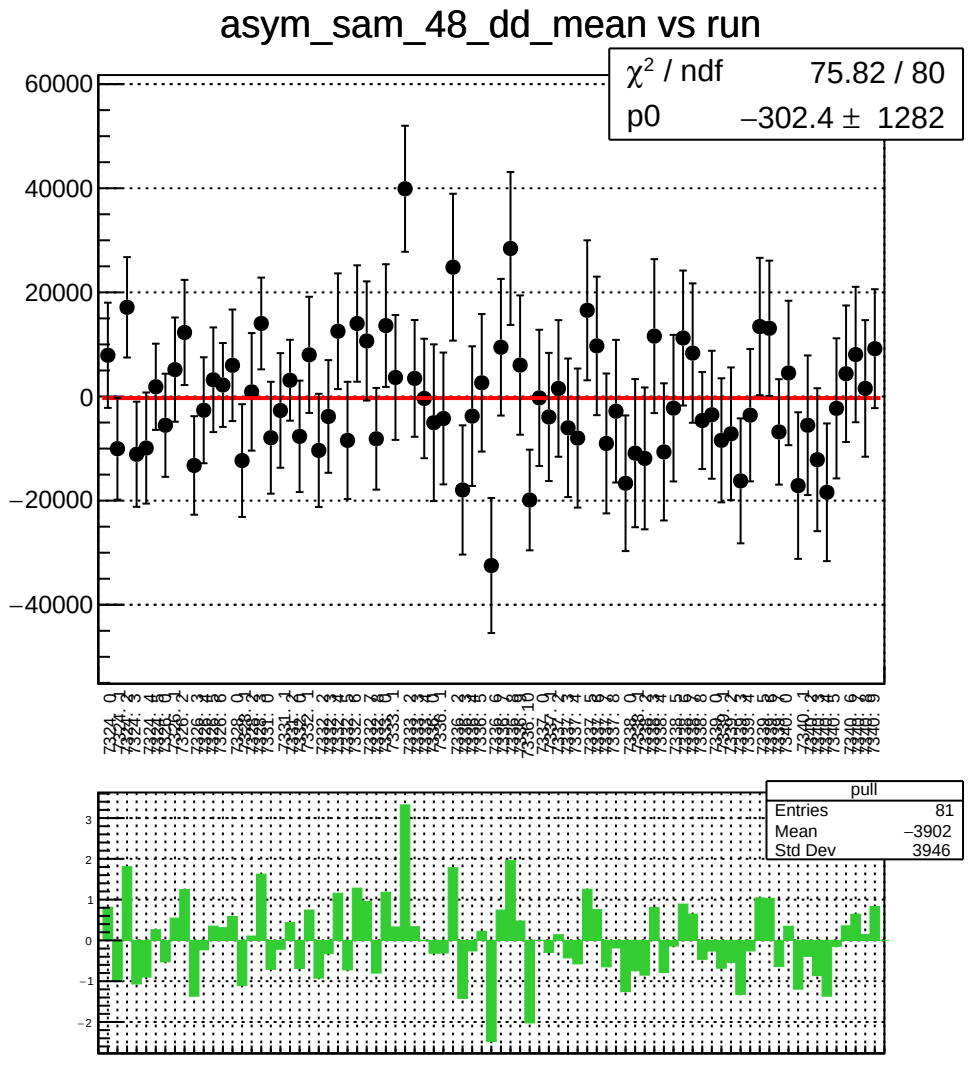

pull1D
Entries 81
Mean −0.01614
Std Dev 0.8558

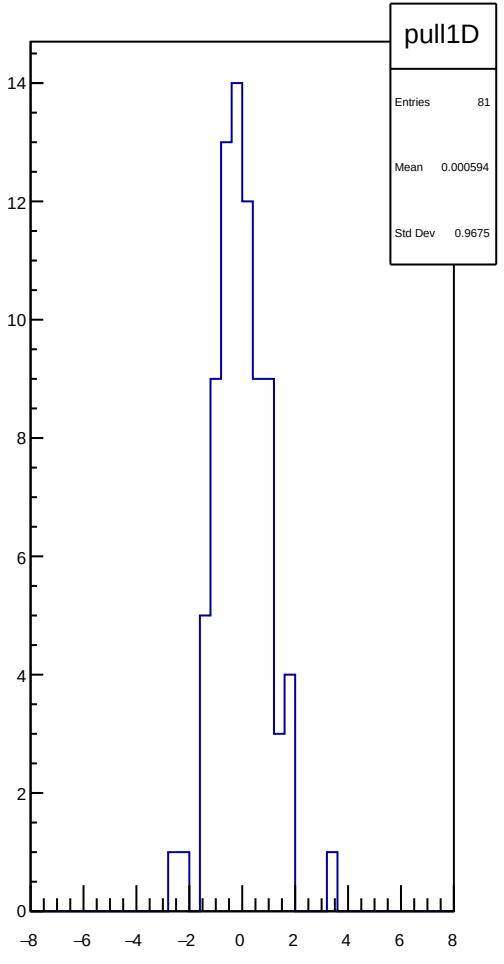

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.975e+04 / 80
p0 208.7 ± 0.1687
300
280
260
240
220
200
180
160

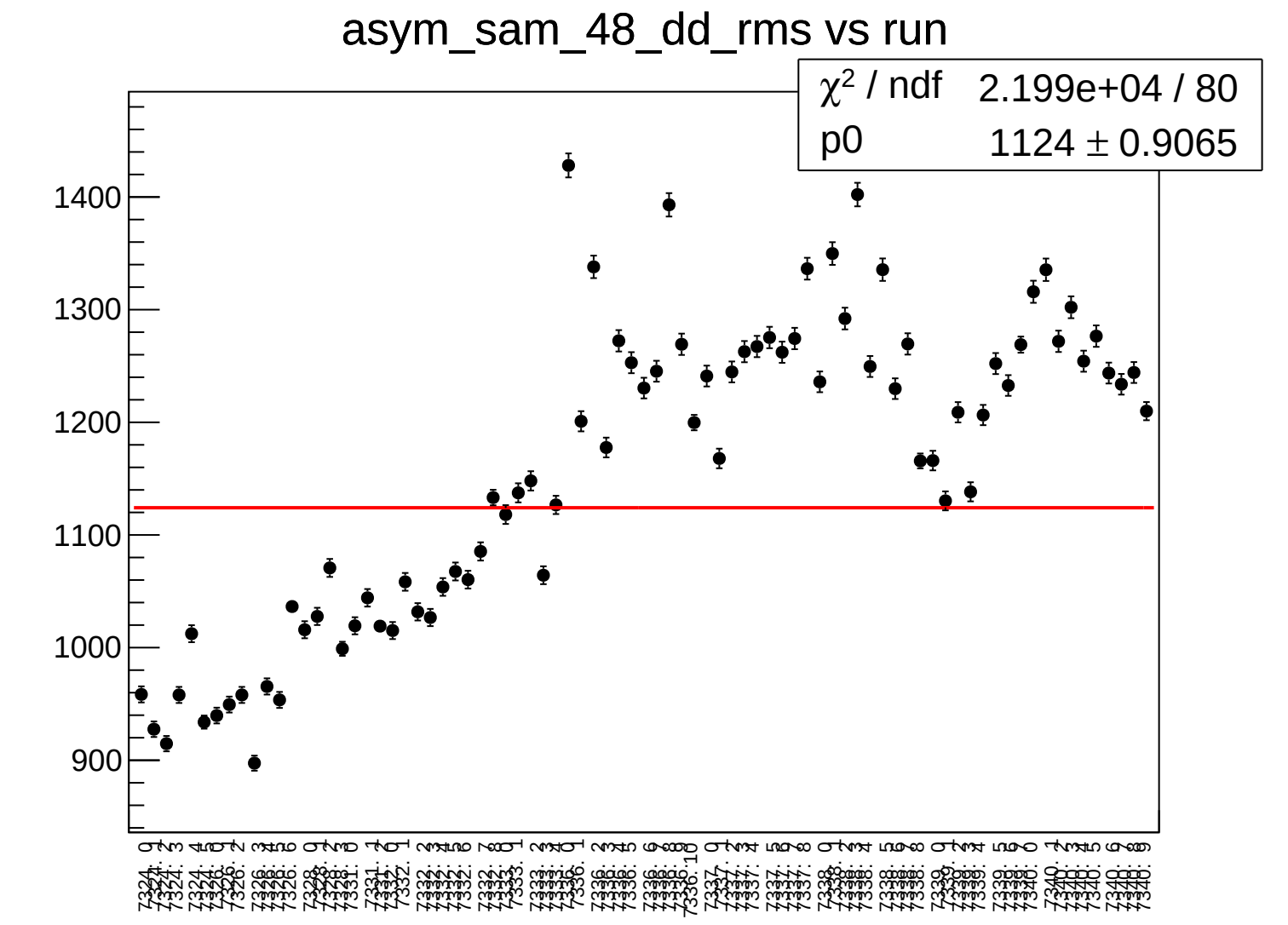

asym_sam_48_dd_correction_mean vs run
χ² / ndf 77.5 / 80
p0 258.5 ± 1294
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −88.04
Std Dev 130.6
2
1
0
−1
−2
−3

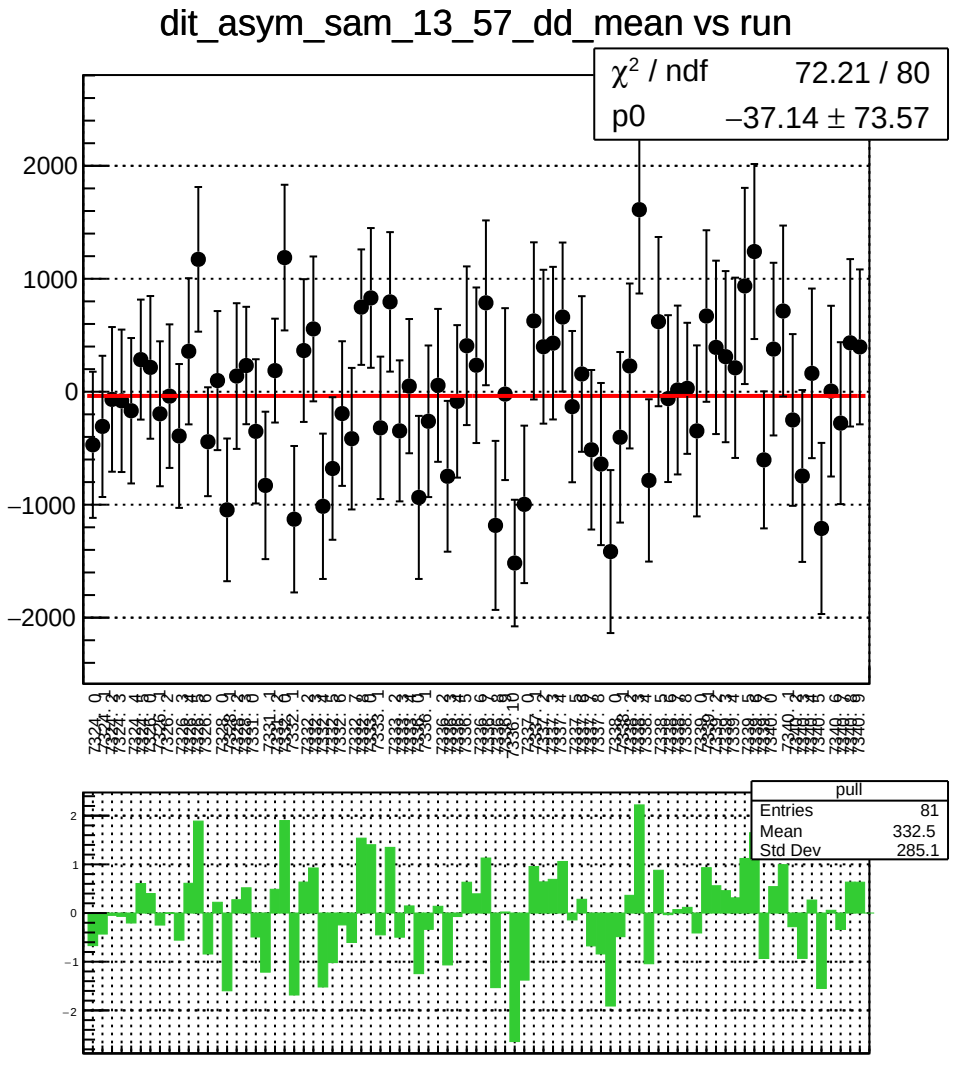

pull1D
Entries 81
Mean −0.01237
Std Dev 0.9781
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

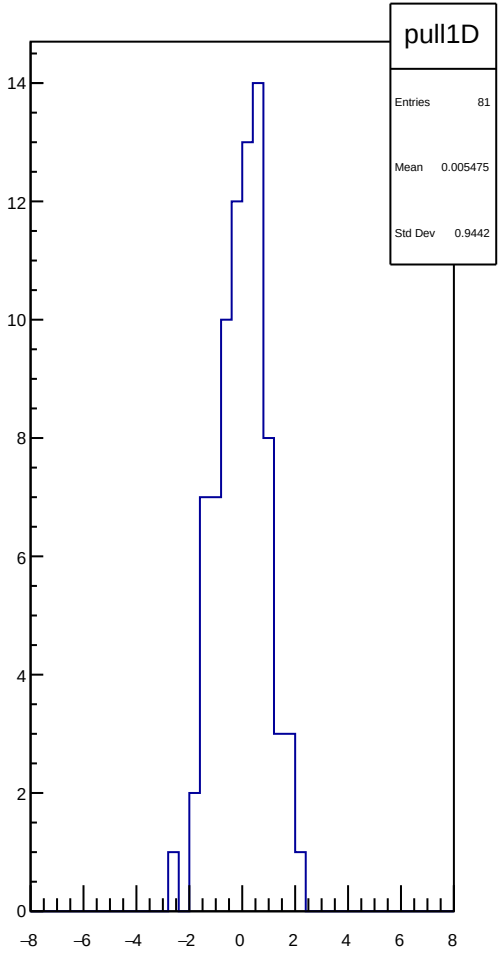

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3719 / 80
p0 1142 ± 0.9153
1300
1250
1200
1150
1100
1050
1000

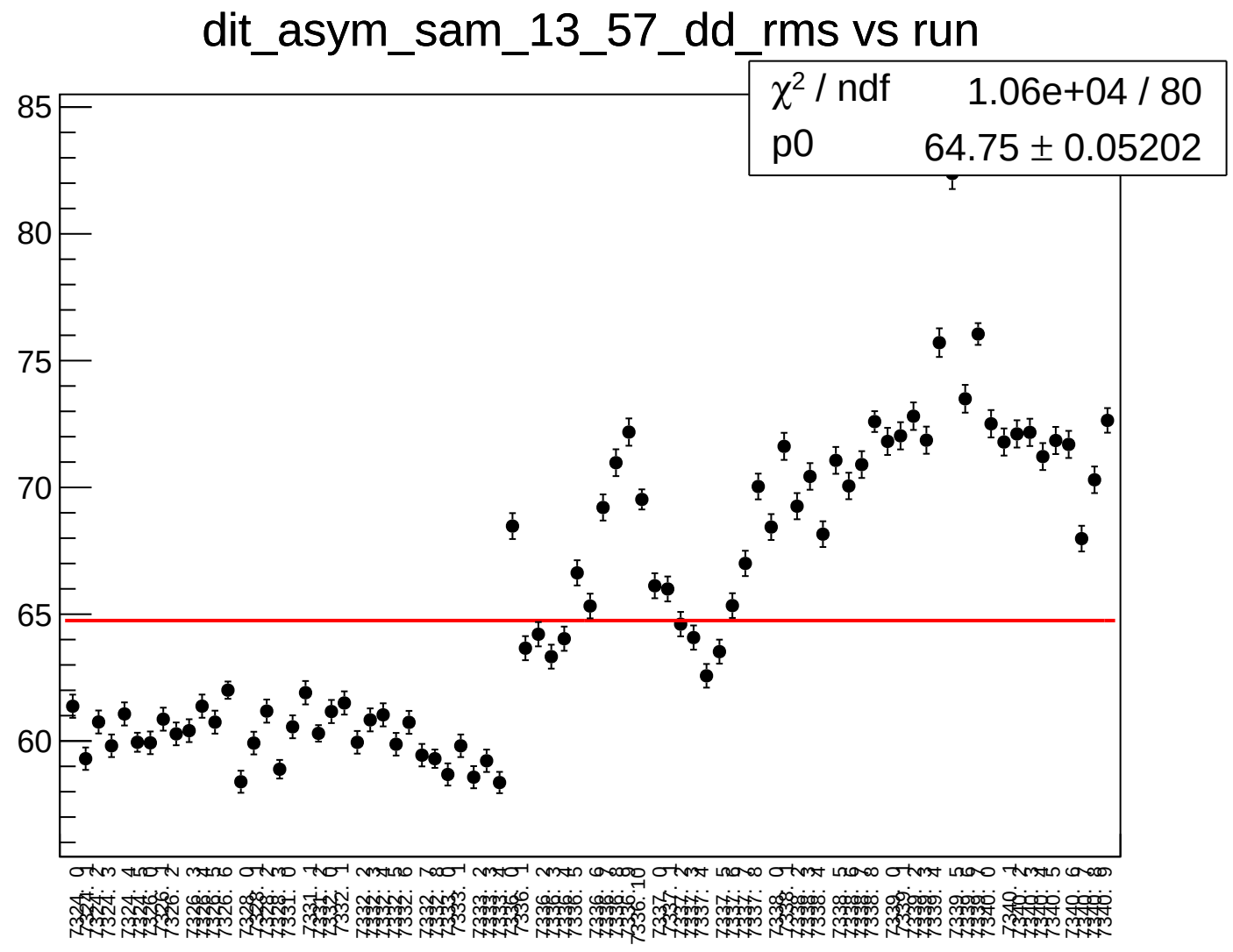

asym_sam_48_dd_mean vs run
χ² / ndf 75.82 / 80
p0 −302.4 ± 1282
pull
Entries 81
Mean −3902
Std Dev 3946

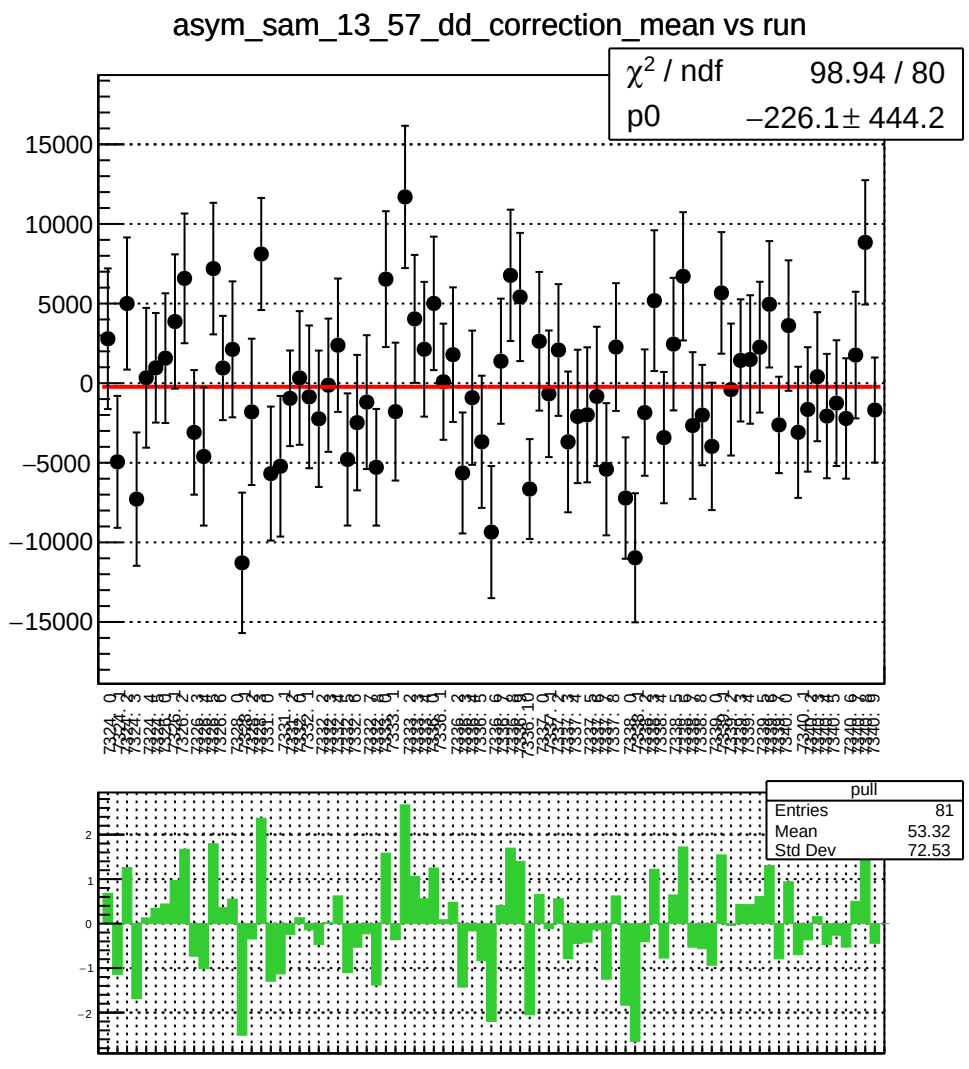

pull1D
Entries 81
Mean 0.000594
Std Dev 0.9675

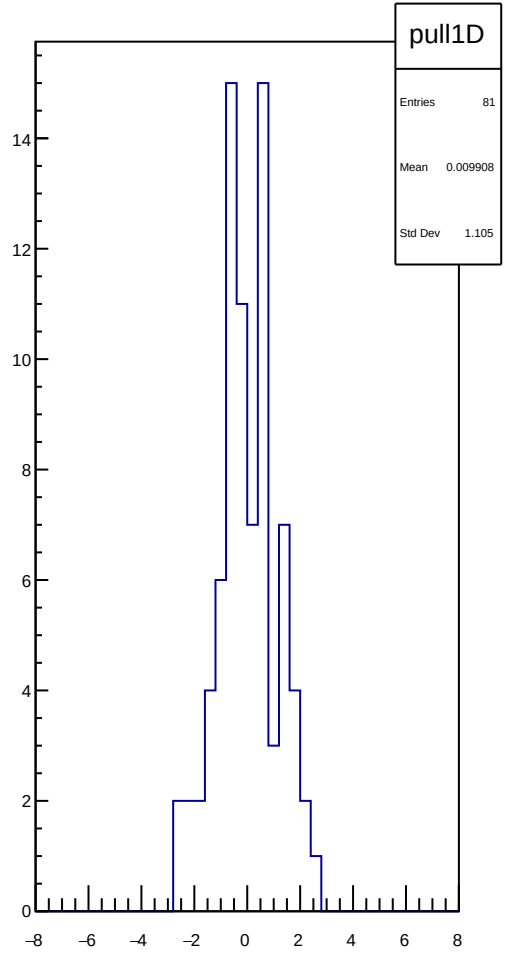

asym_sam_48_dd_rms vs run
χ² / ndf 2.199e+04 / 80
p0 1124 ± 0.9065
1400
1300
1200
1100
1000
900

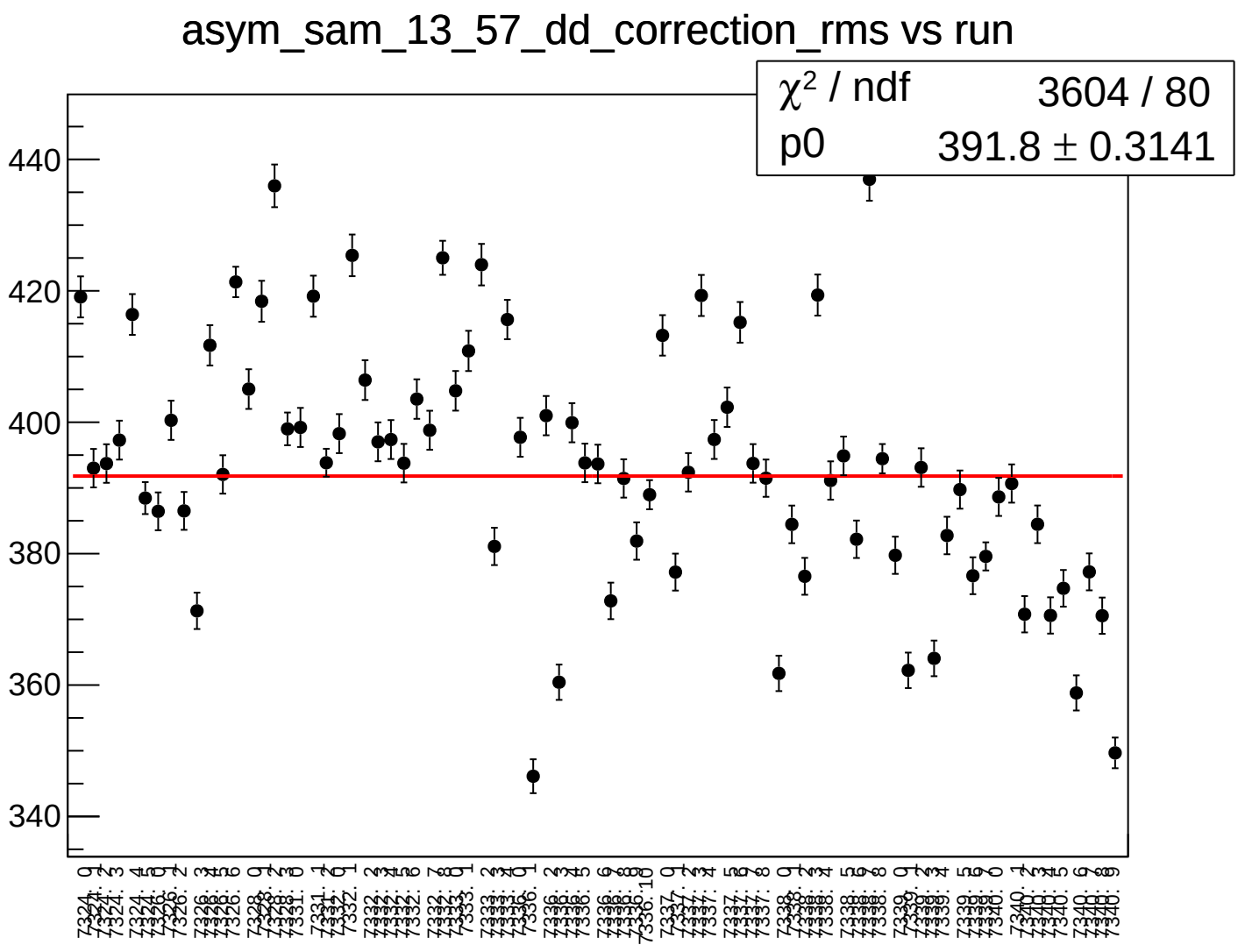

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 72.21 / 80
p0 −37.14 ± 73.57
2000
1000
0
−1000
−2000
pull
Entries 81
Mean 332.5
Std Dev 285.1
2
1
0
−1
−2

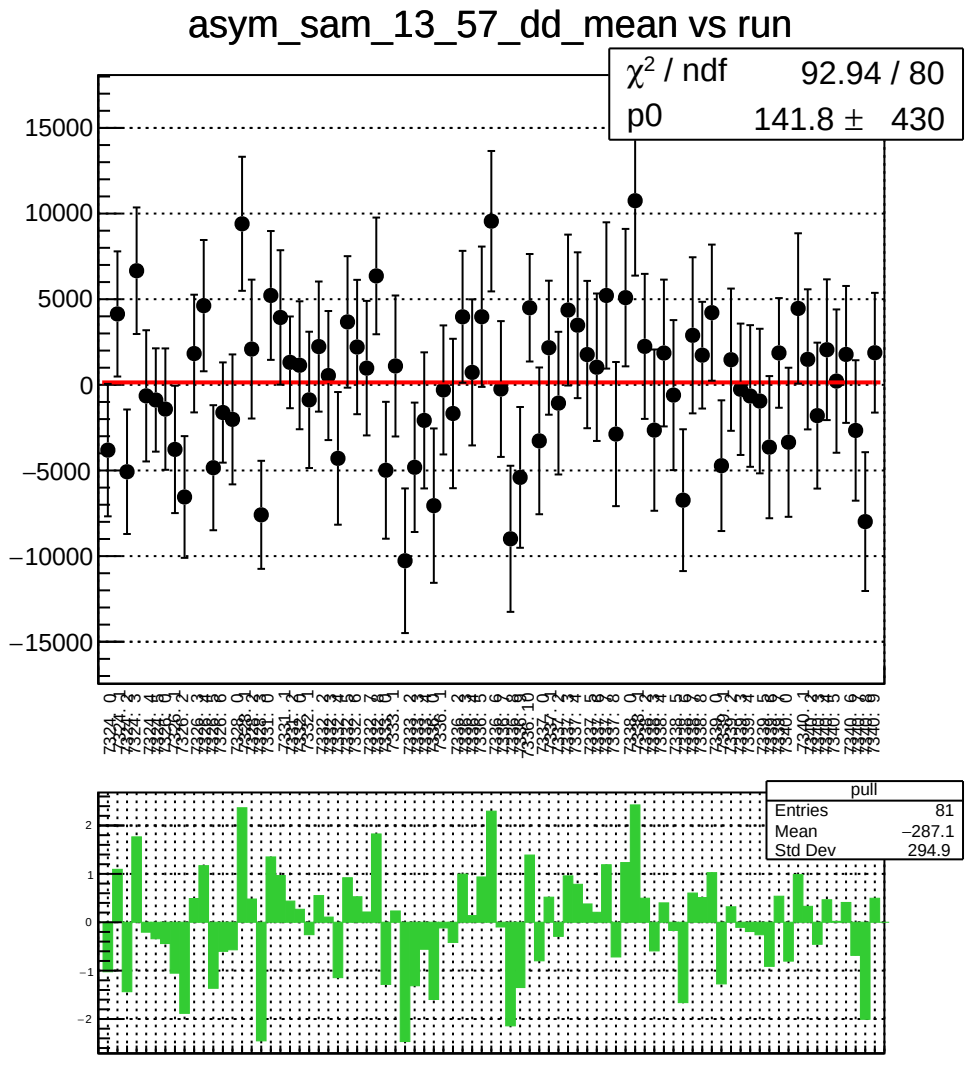

pull1D
Entries 81
Mean 0.005475
Std Dev 0.9442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

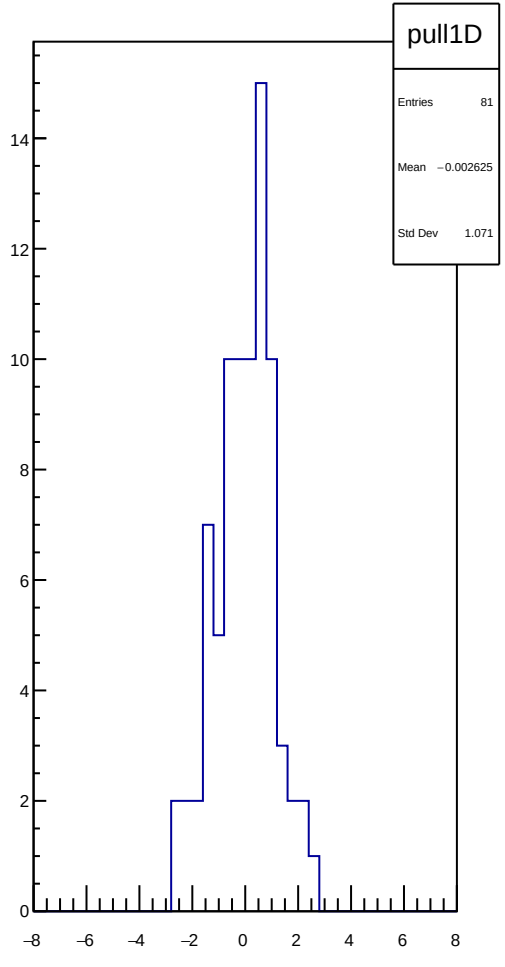

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.06e+04 / 80
p0 64.75 ± 0.05202
85
80
75
70
65
60

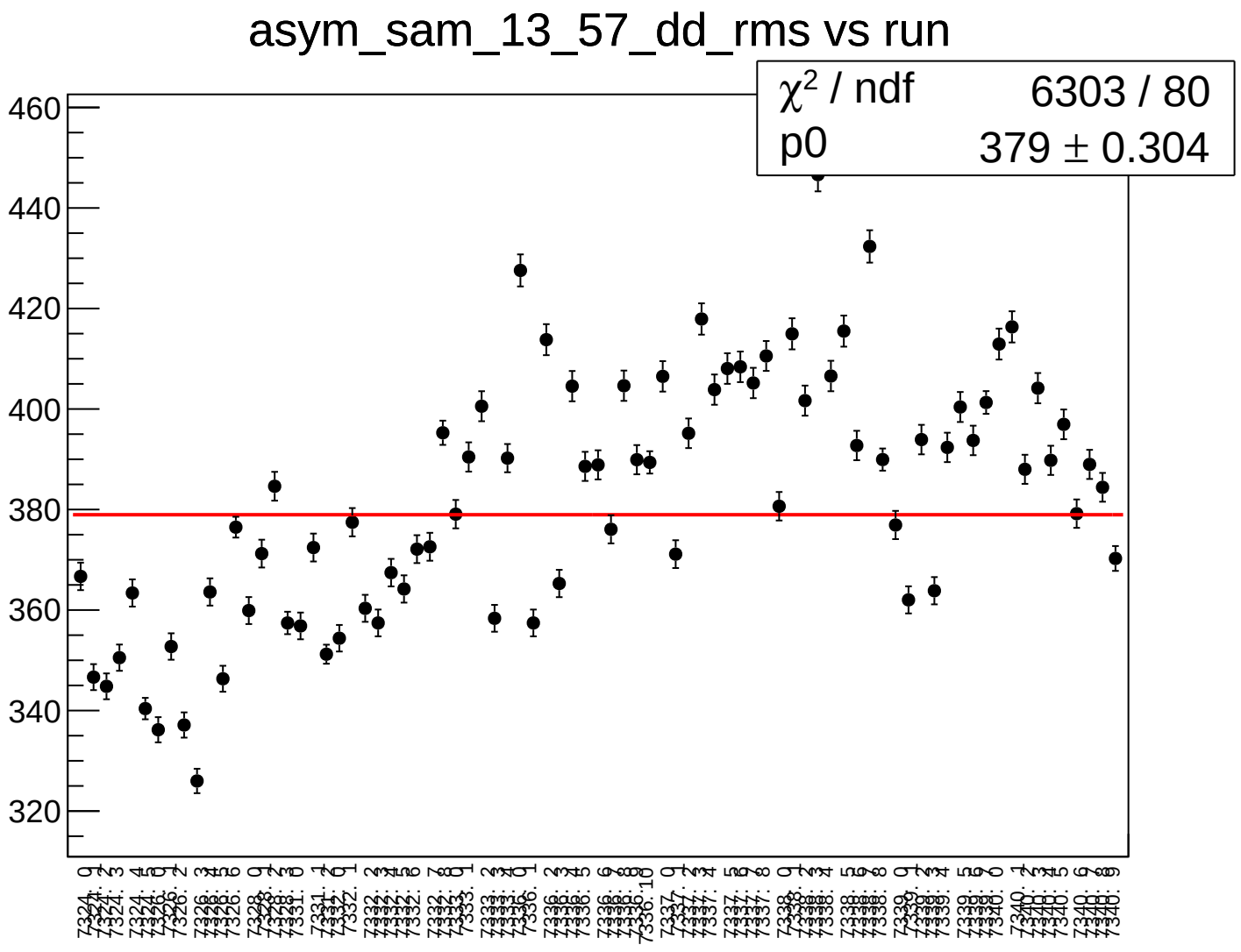

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 98.94 / 80
p0 −226.1 ± 444.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 53.32
Std Dev 72.53
2
1
0
−1
−2

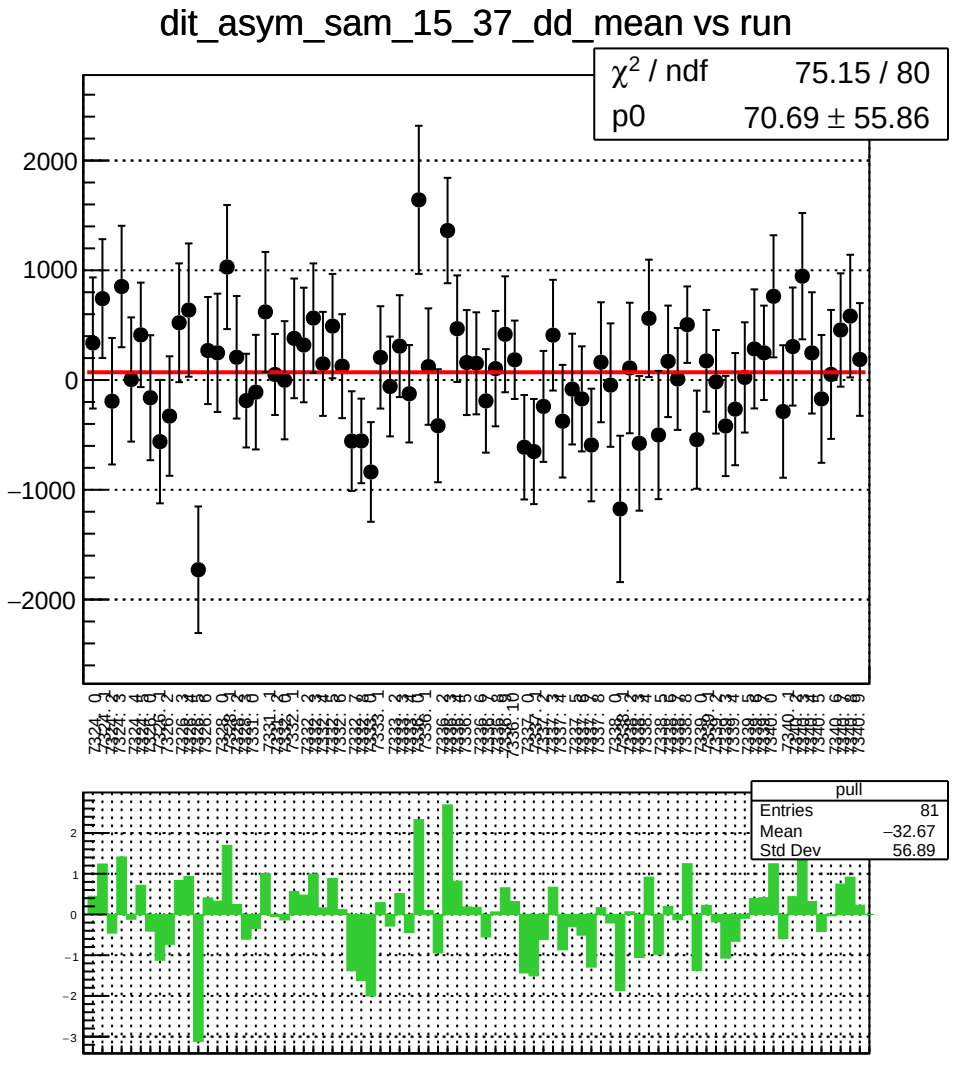

pull1D
Entries 81
Mean 0.009908
Std Dev 1.105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

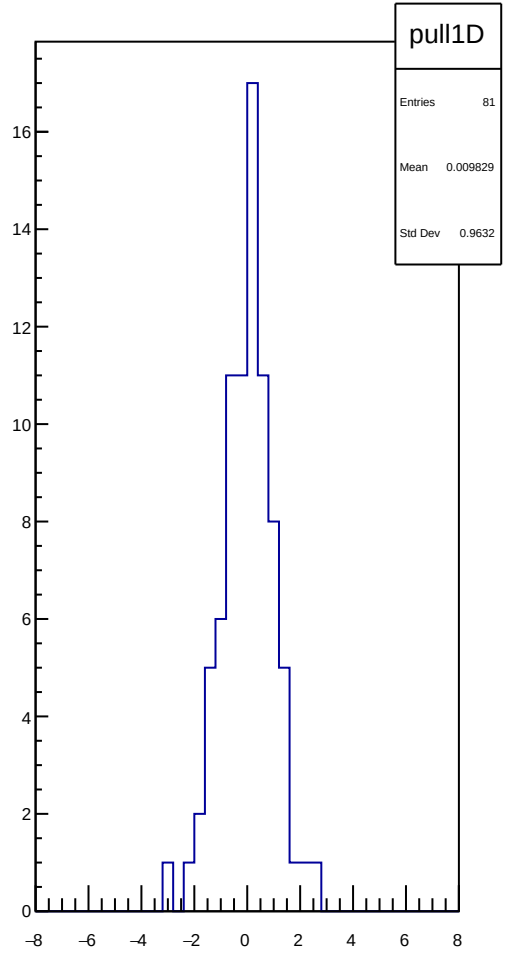

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3604 / 80
p0 391.8 ± 0.3141
440
420
400
380
360
340

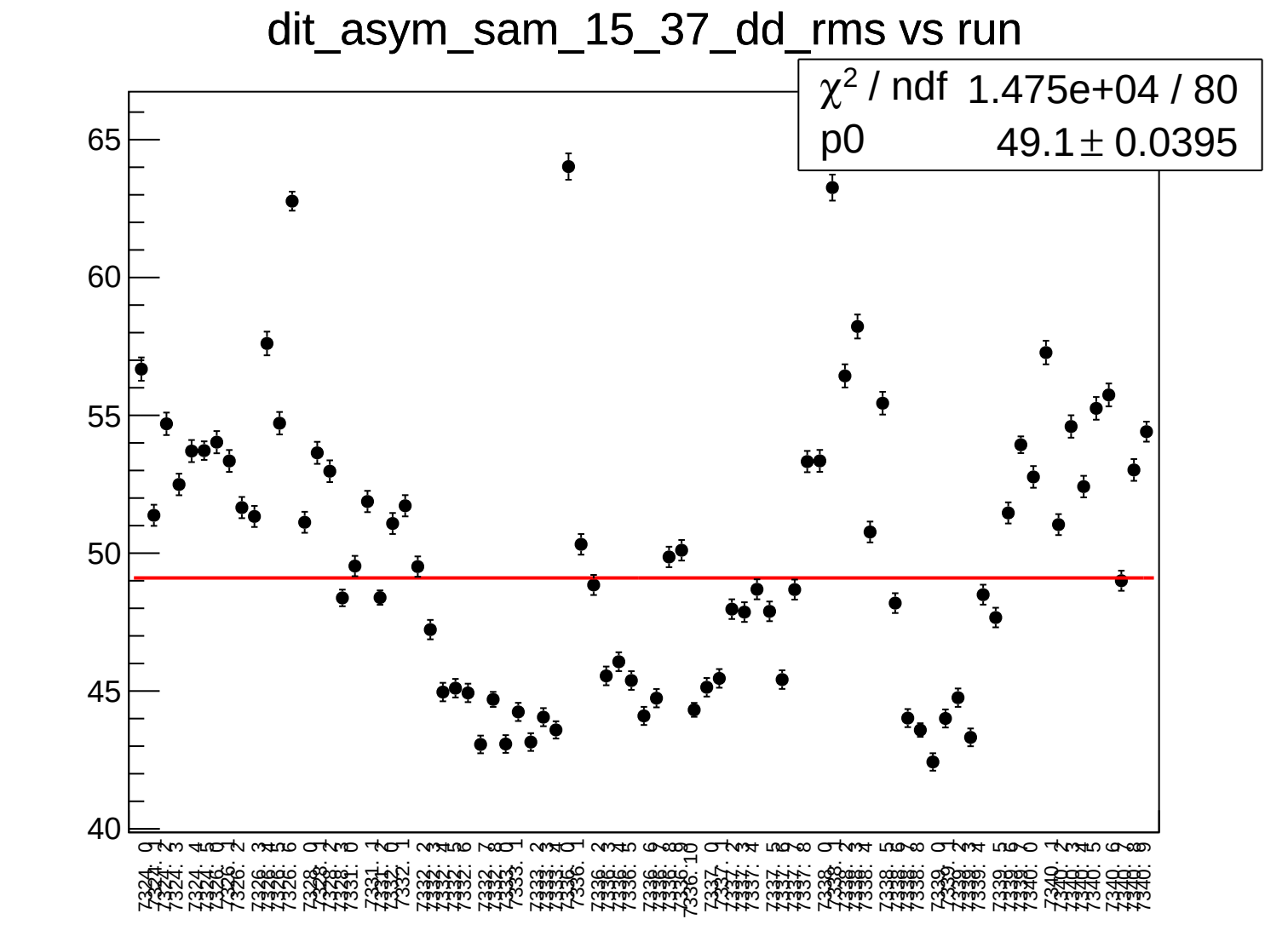

asym_sam_13_57_dd_mean vs run
χ² / ndf 92.94 / 80
p0 141.8 ± 430
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −287.1
Std Dev 294.9
2
1
0
−1
−2

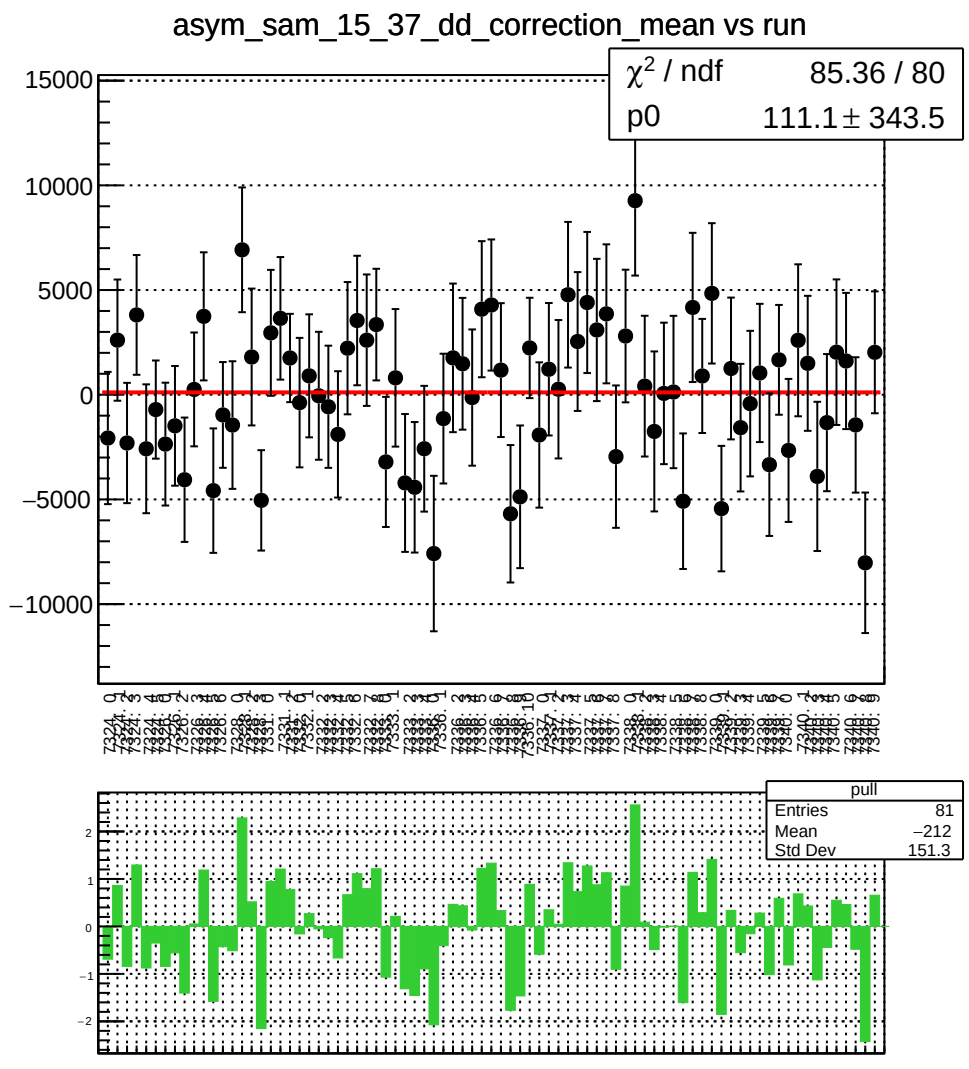

pull1D
Entries 81
Mean −0.002625
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

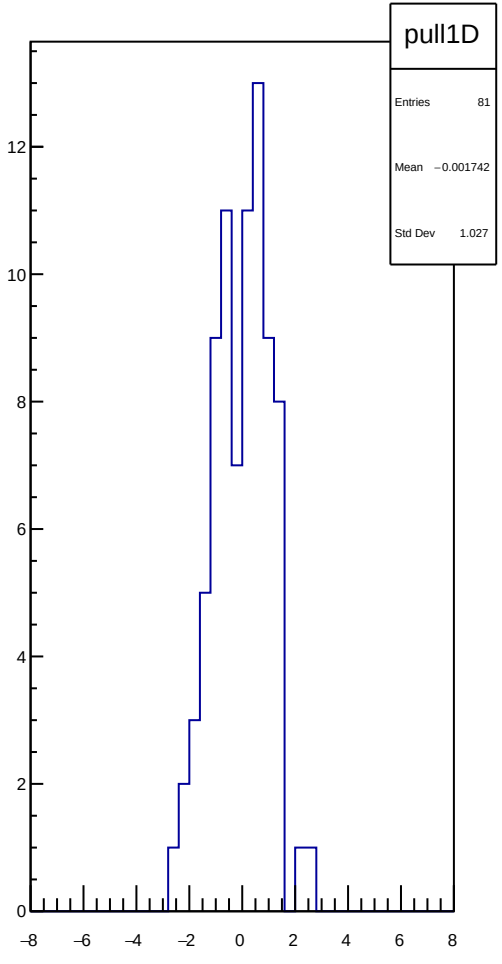

asym_sam_13_57_dd_rms vs run
χ² / ndf 6303 / 80
p0 379 ± 0.304
460
440
420
400
380
360
340
320

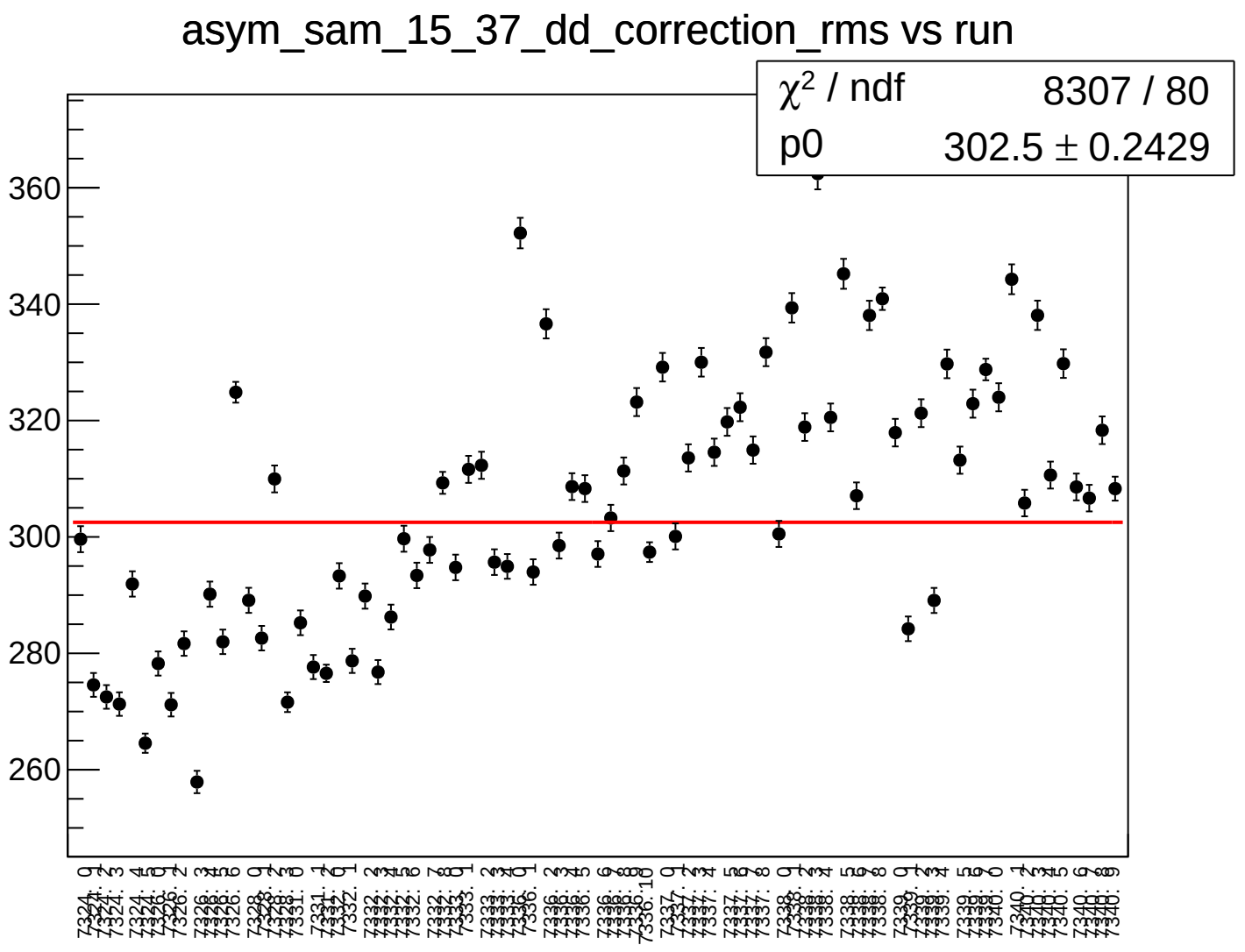

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 75.15 / 80
p0 70.69 ± 55.86
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −32.67
Std Dev 56.89
2
1
0
−1
−2
−3

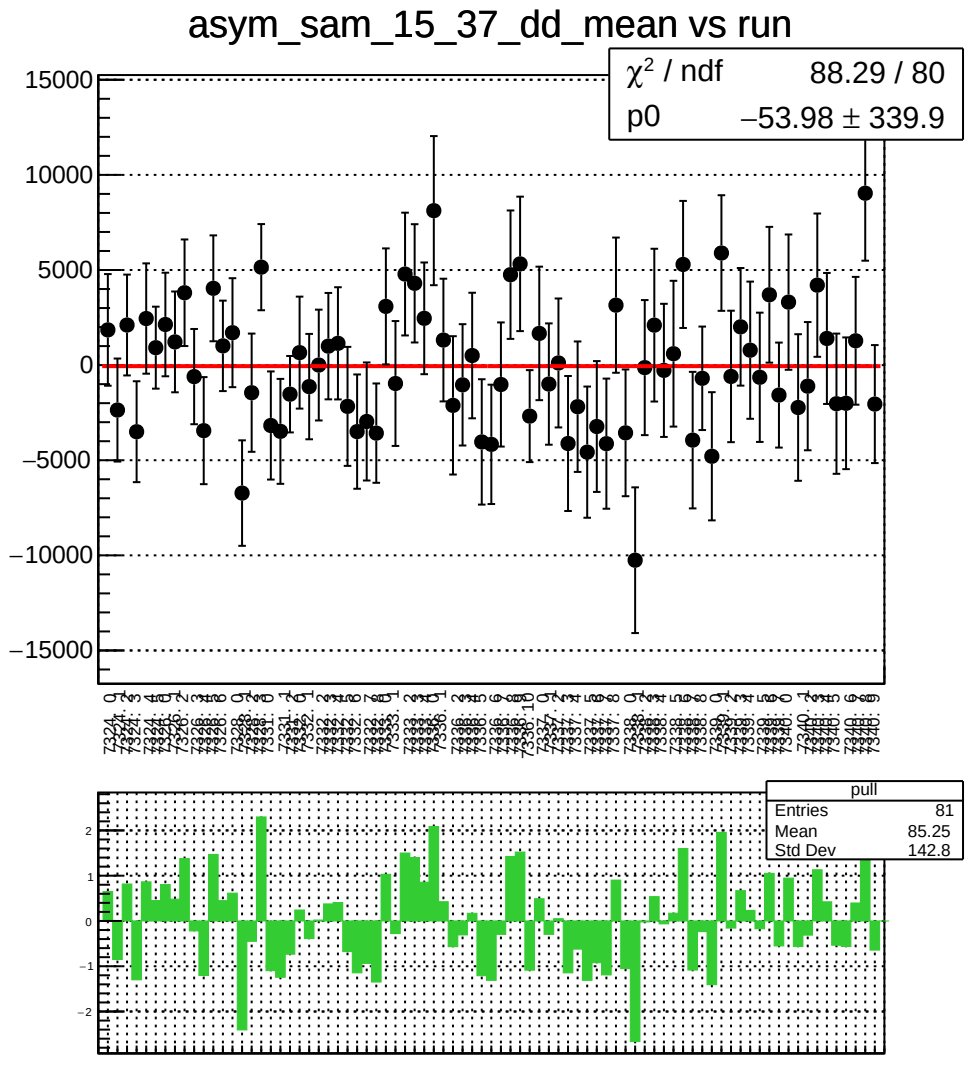

pull1D
Entries 81
Mean 0.009829
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

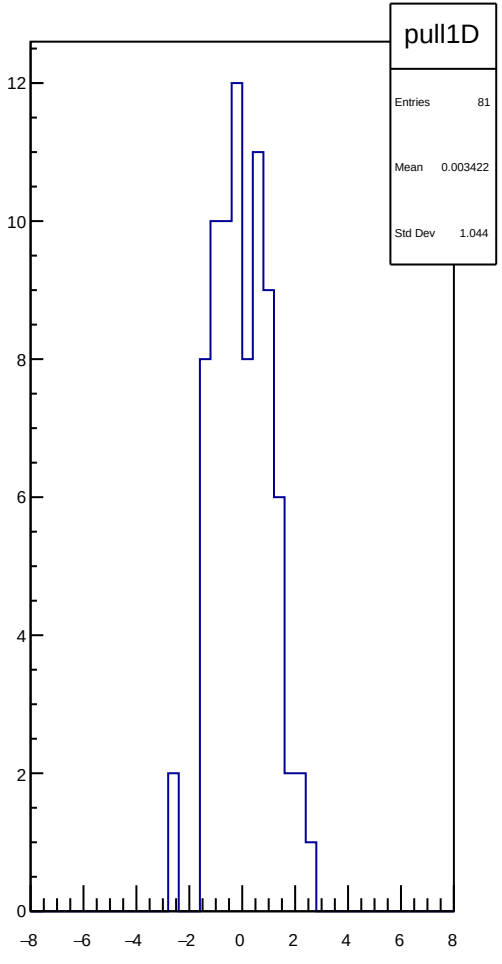

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.475e+04 / 80
p0 49.1 ± 0.0395
65
60
55
50
45
40

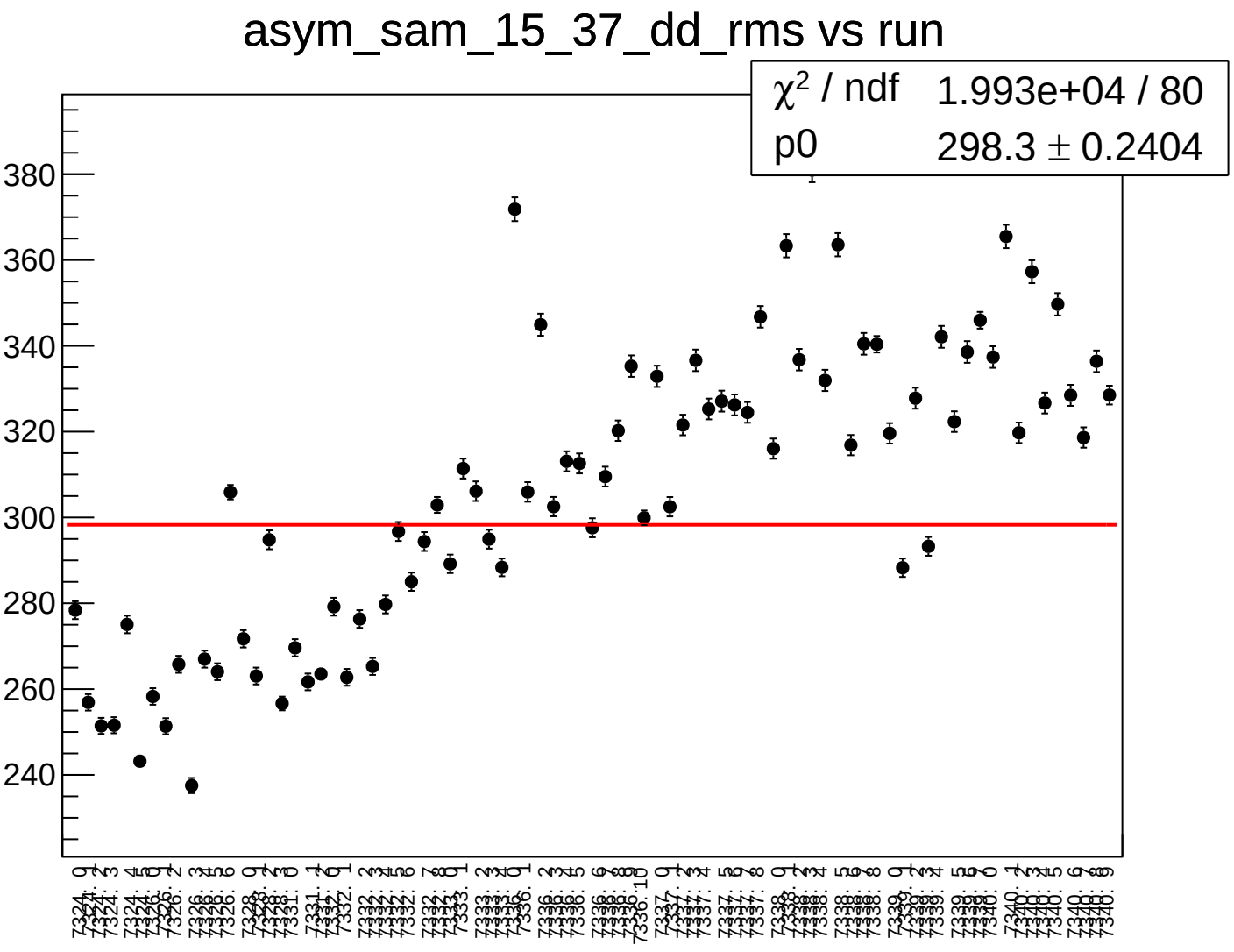

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 85.36 / 80
p0 111.1 ± 343.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −212
Std Dev 151.3
2
1
0
−1
−2

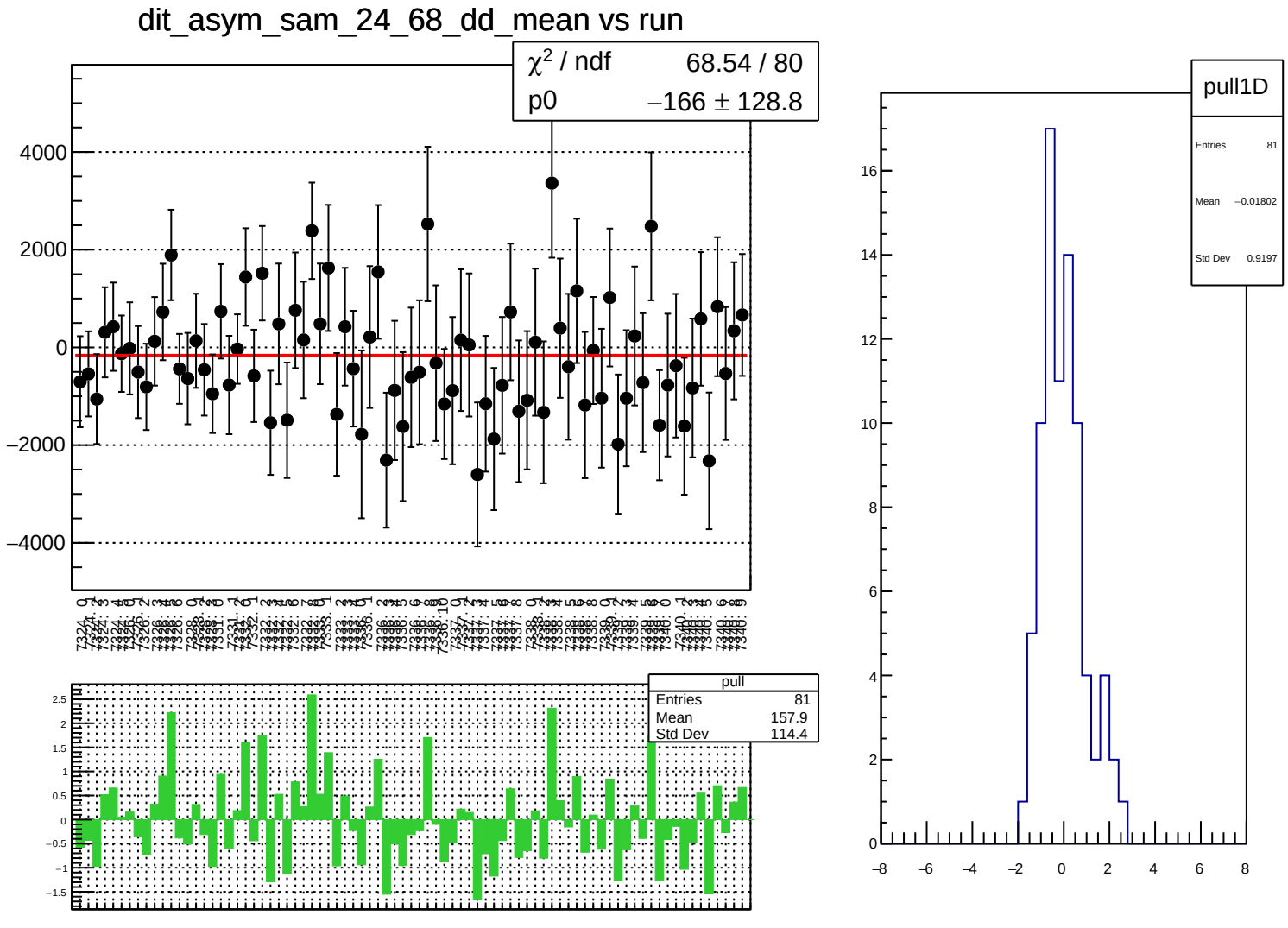

pull1D
Entries 81
Mean −0.001742
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

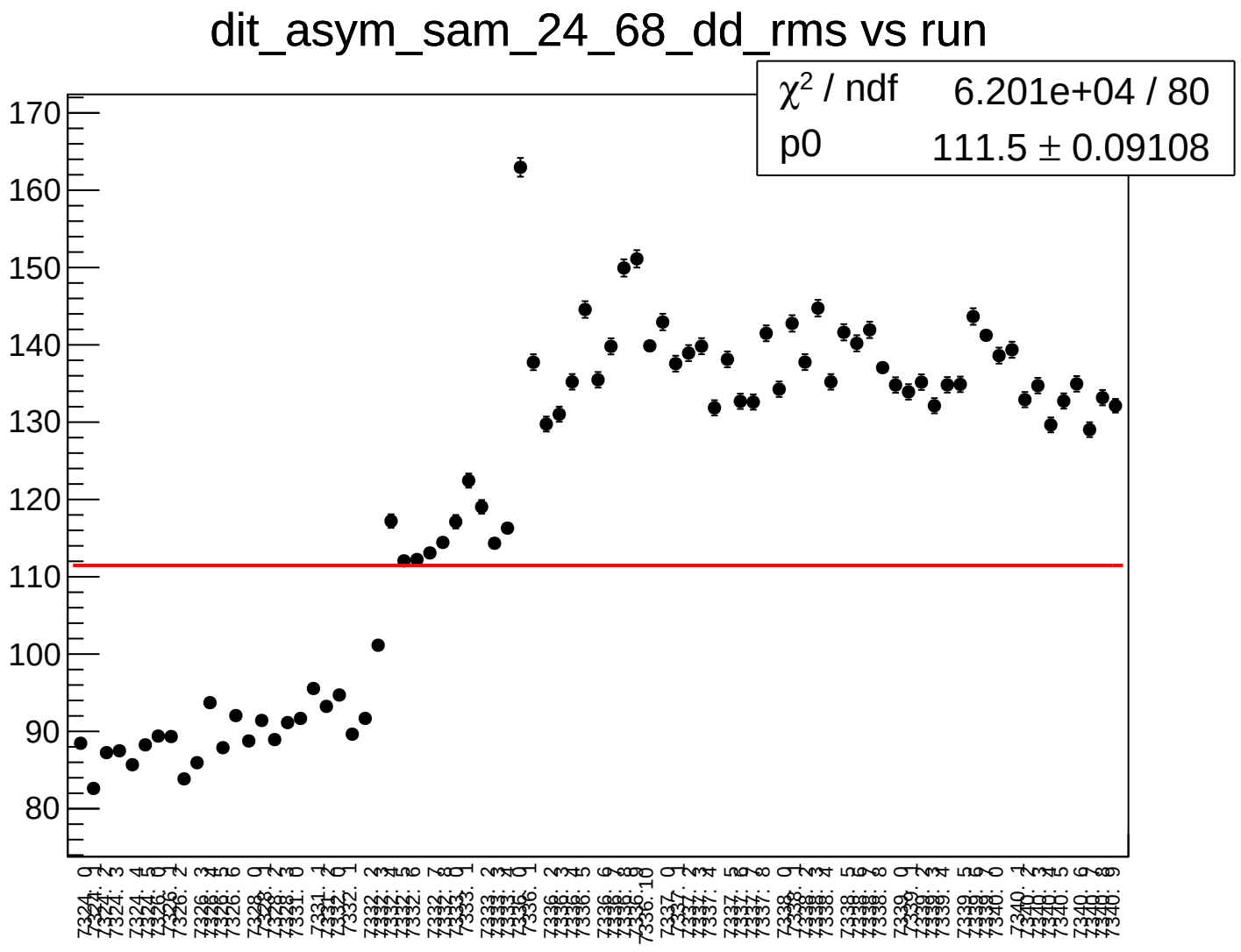

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 8307 / 80
p0 302.5 ± 0.2429
360
340
320
300
280
260

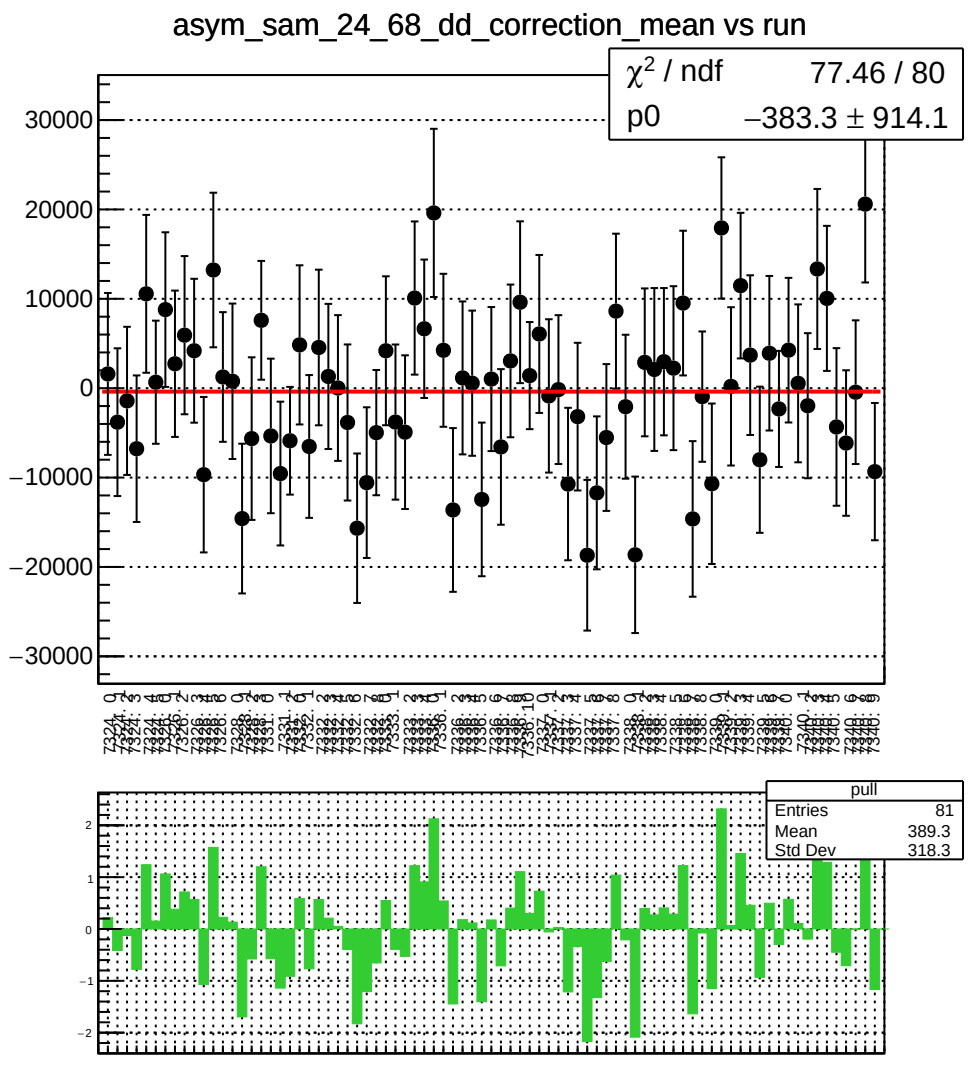

asym_sam_15_37_dd_mean vs run
χ² / ndf 88.29 / 80
p0 −53.98 ± 339.9
pull
Entries 81
Mean 85.25
Std Dev 142.8

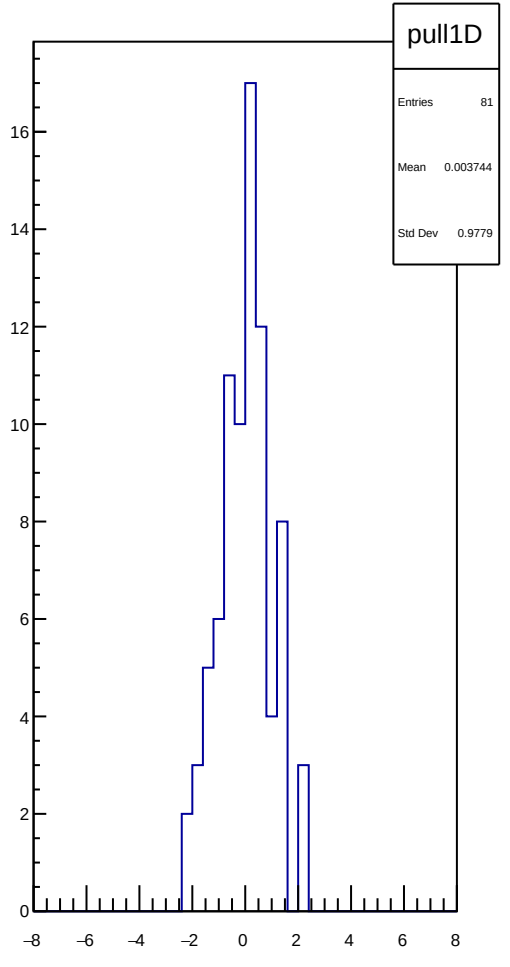

pull1D
Entries 81
Mean 0.003422
Std Dev 1.044

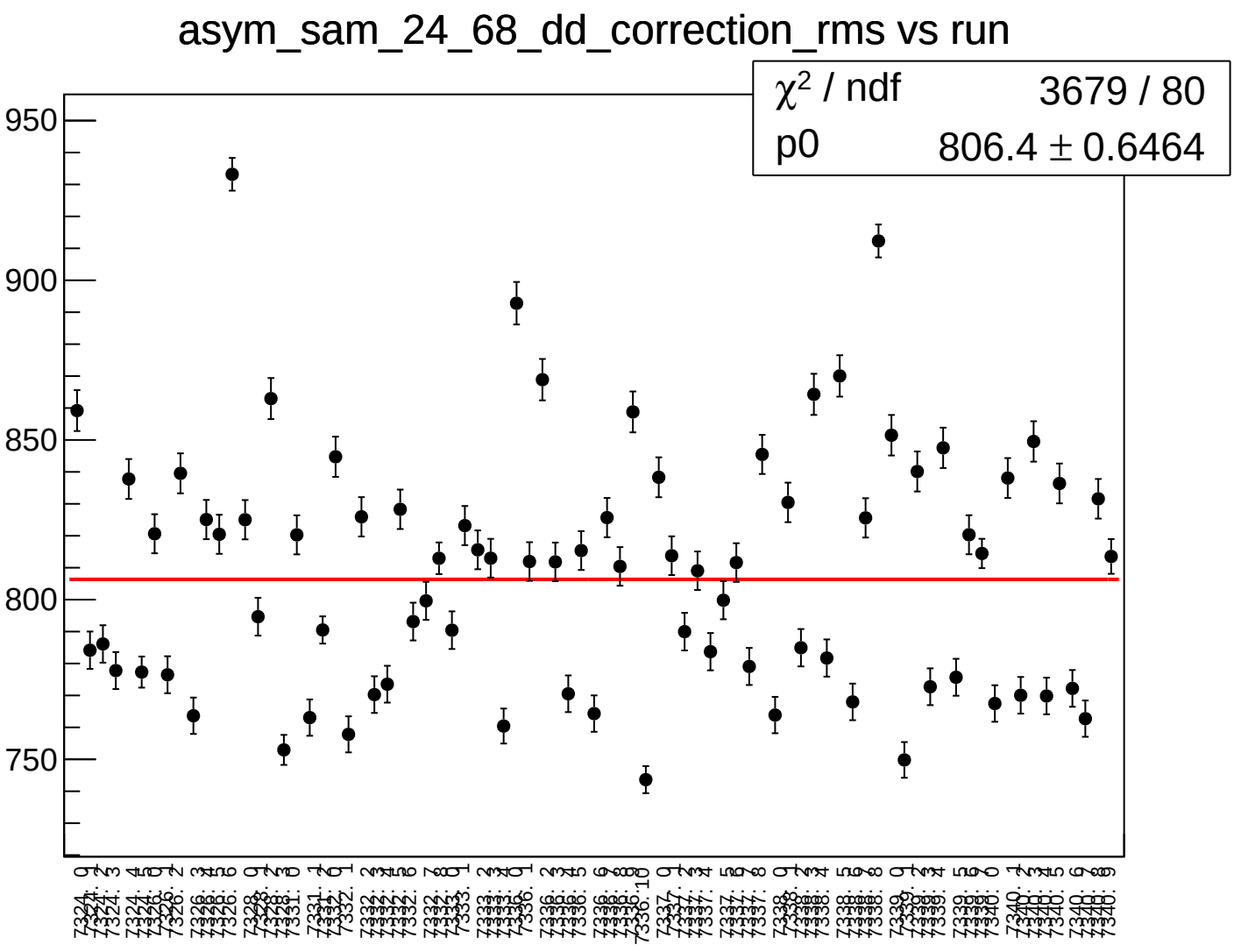

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.993e+04 / 80
p0 298.3 ± 0.2404
380
360
340
320
300
280
260
240

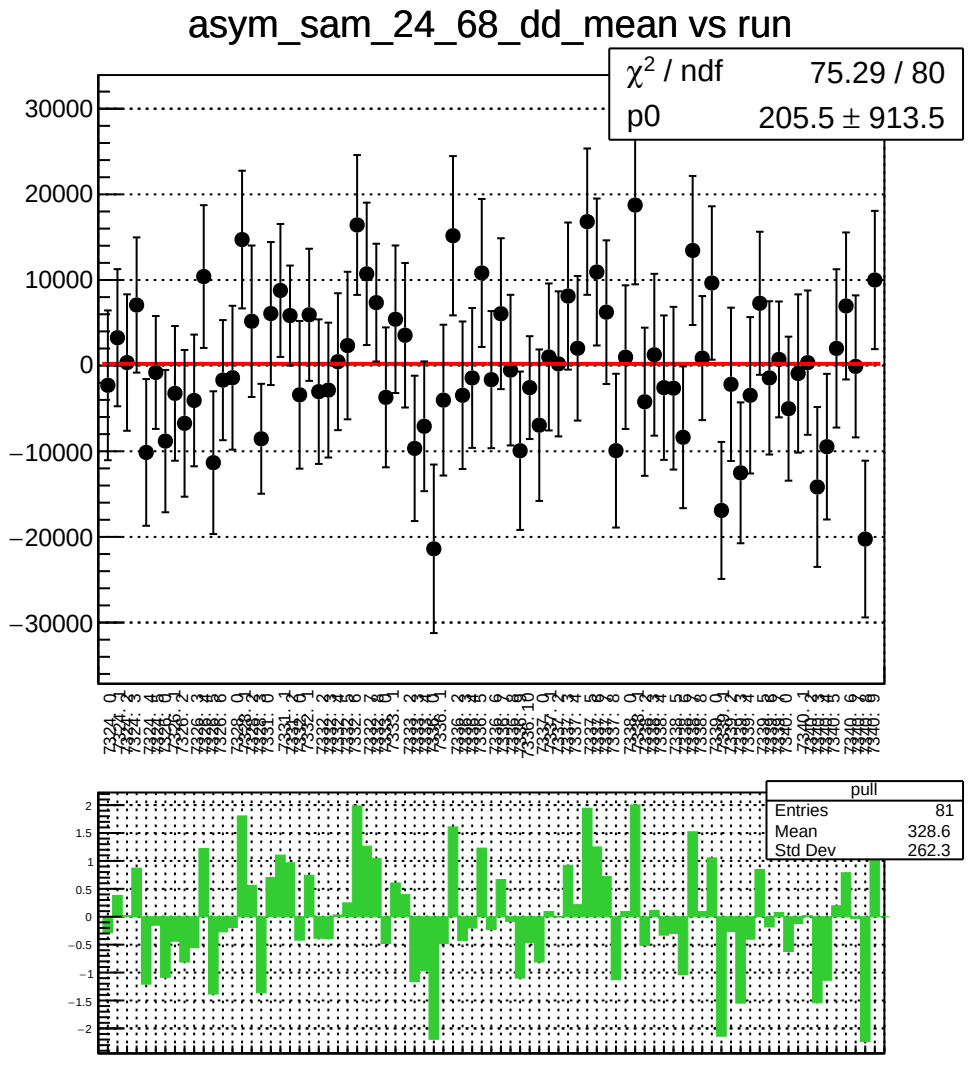

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 68.54 / 80
p0 −166 ± 128.8
4000
2000
0
−2000
−4000
pull
Entries 81
Mean 157.9
Std Dev 114.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.01802
Std Dev 0.9197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

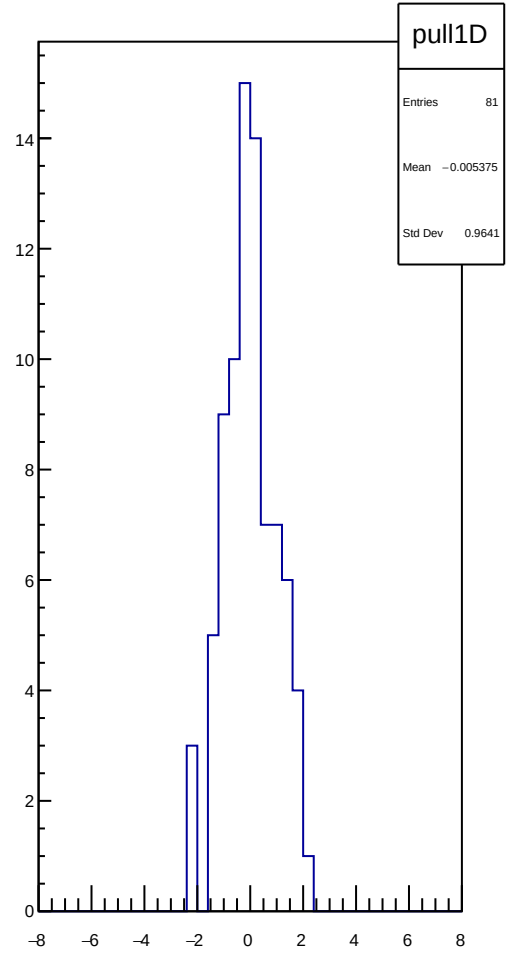

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 6.201e+04 / 80
p0 111.5 ± 0.09108
170
160
150
140
130
120
110
100
90
80

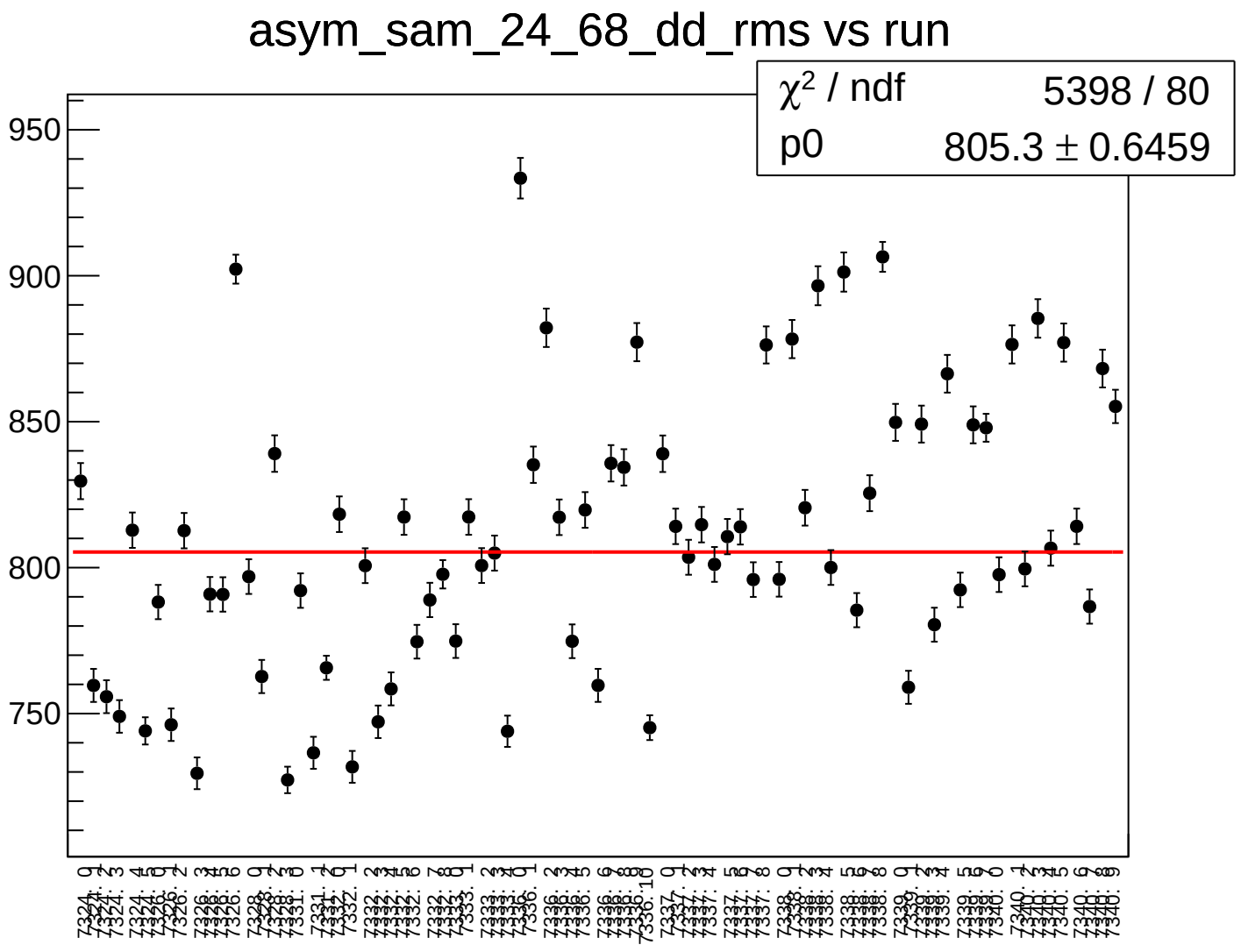

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 77.46 / 80
p0 −383.3 ± 914.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 389.3
Std Dev 318.3
2
1
0
−1
−2

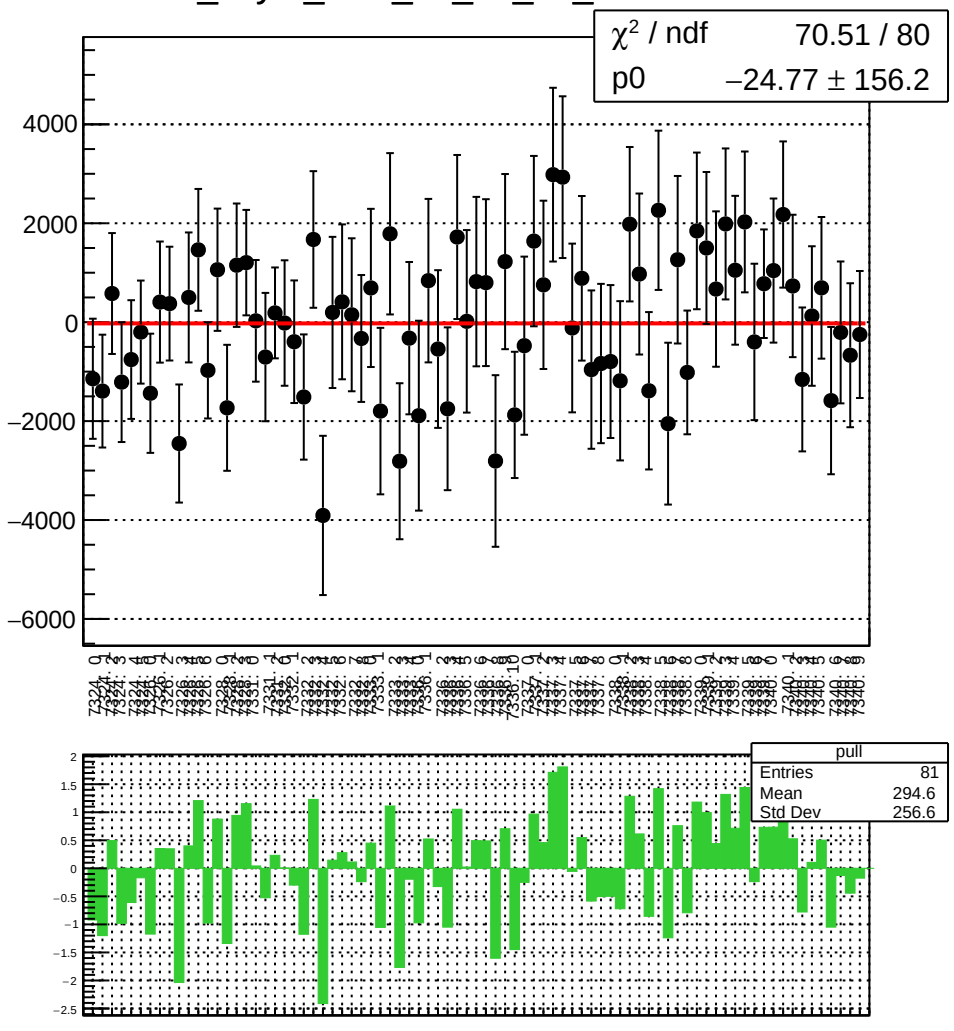

pull1D
Entries 81
Mean 0.003744
Std Dev 0.9779
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

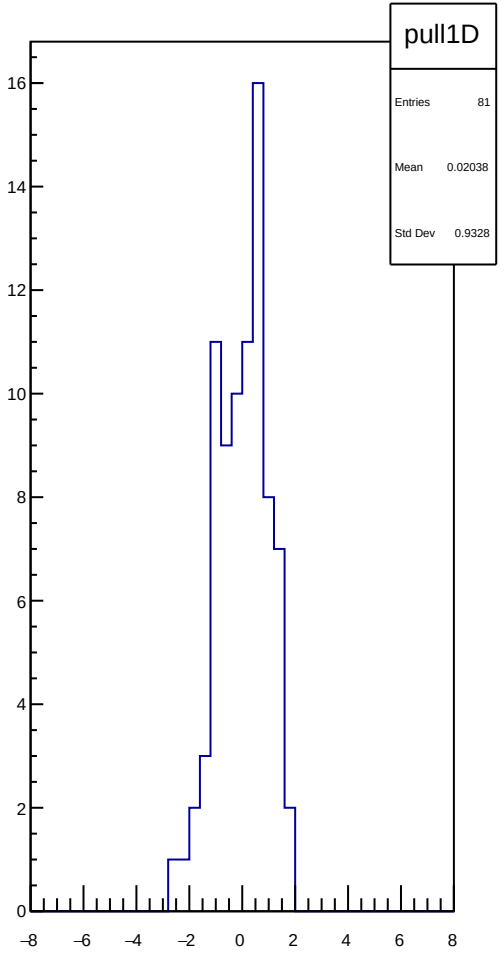

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3679 / 80
p0 806.4 ± 0.6464
950
900
850
800
750

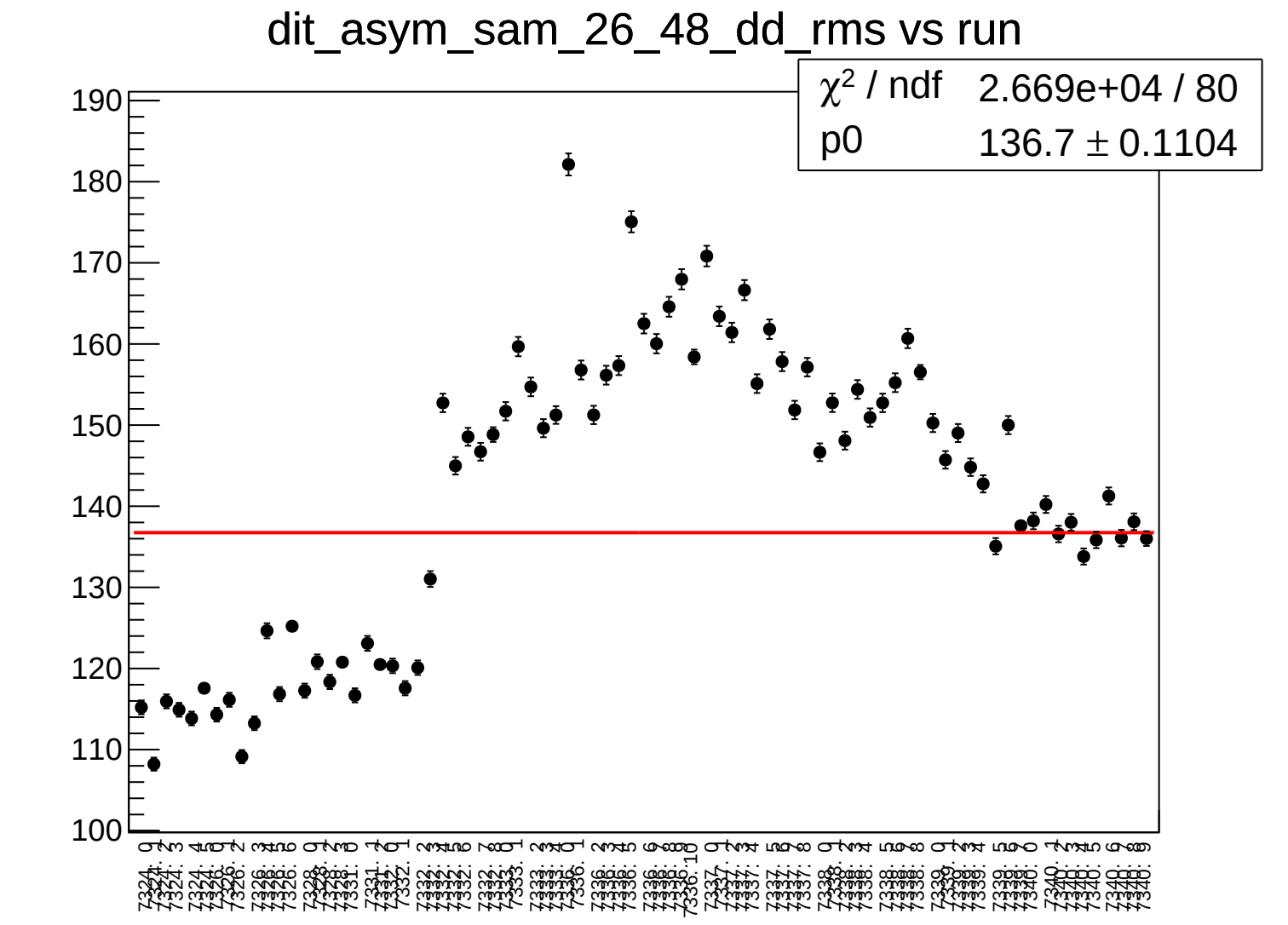

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 75.29 / 80
p0 205.5 ± 913.5
pull
Entries 81
Mean 328.6
Std Dev 262.3

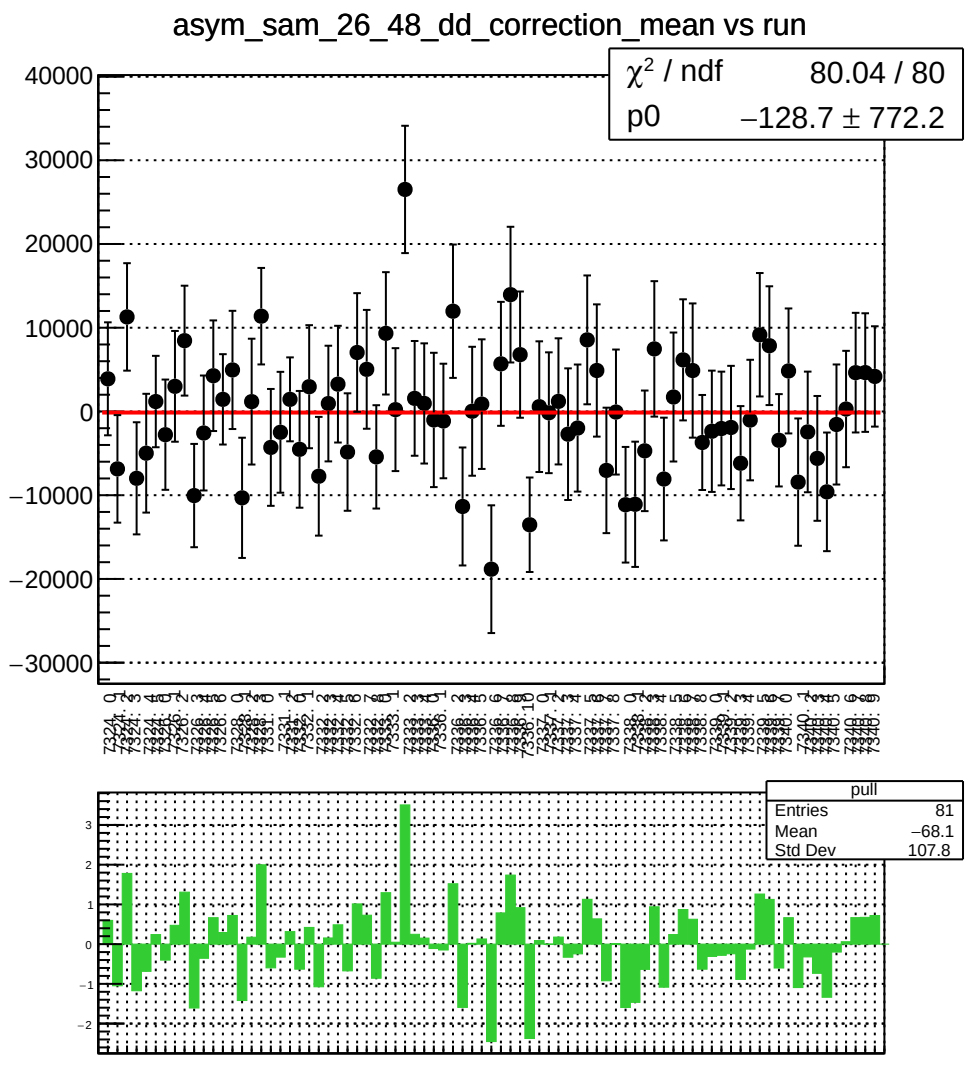

pull1D
Entries 81
Mean −0.005375
Std Dev 0.9641

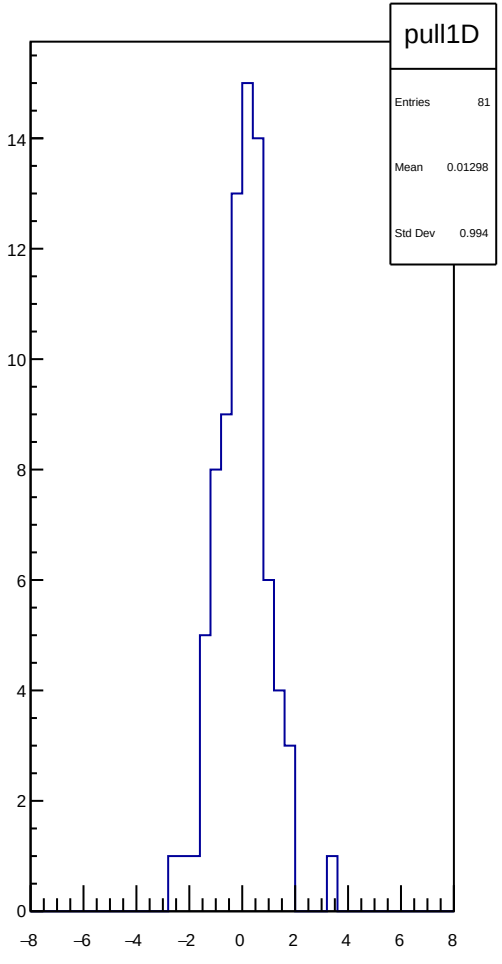

asym_sam_24_68_dd_rms vs run
χ² / ndf 5398 / 80
p0 805.3 ± 0.6459
950
900
850
800
750

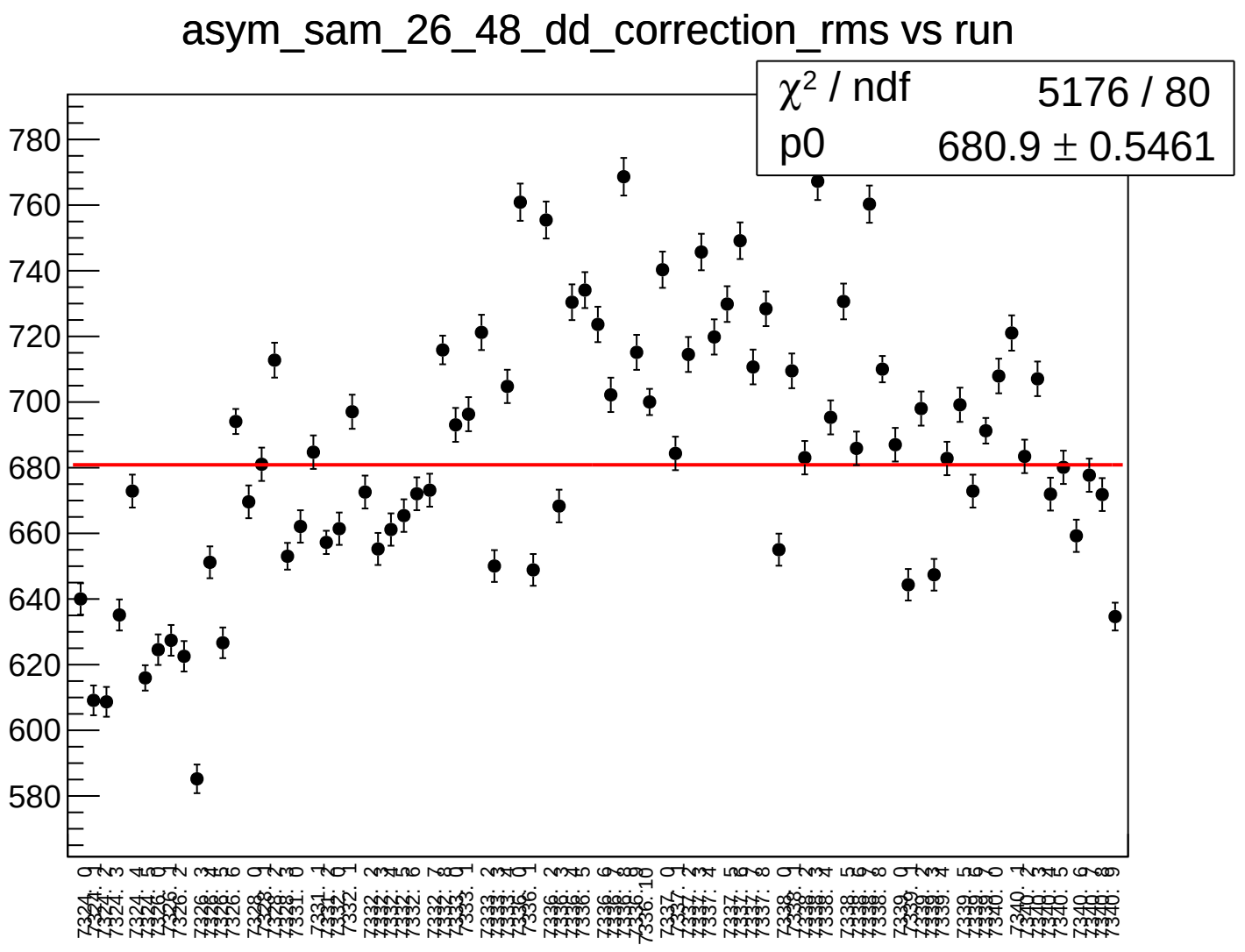

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 70.51 / 80
p0 −24.77 ± 156.2
pull
Entries 81
Mean 294.6
Std Dev 256.6

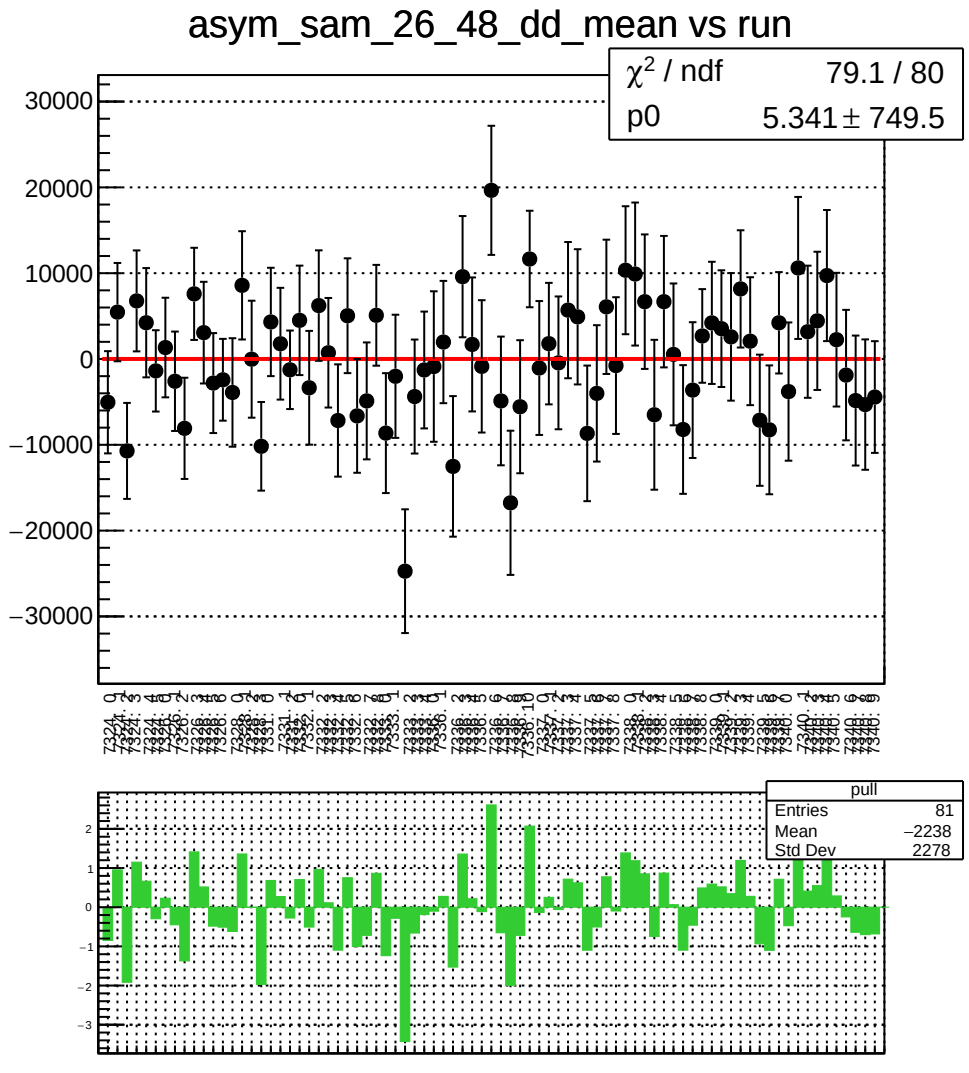

pull1D
Entries 81
Mean 0.02038
Std Dev 0.9328

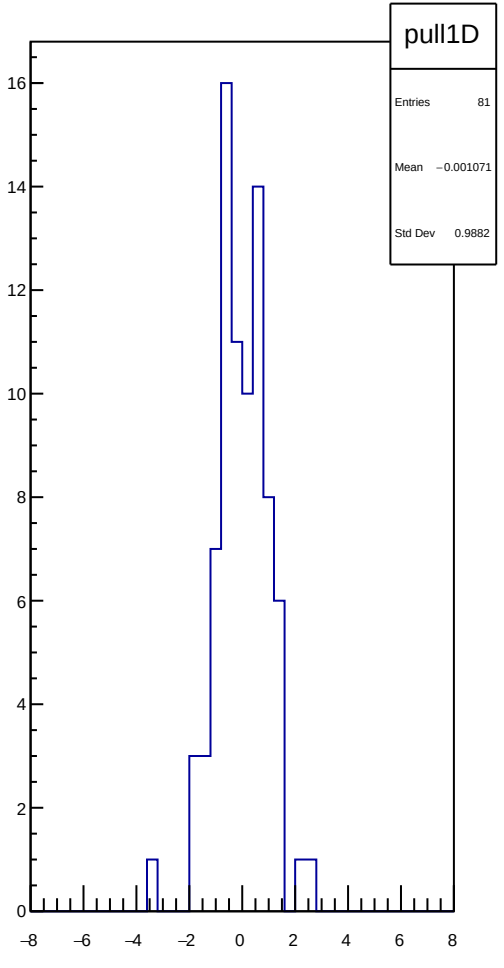

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.669e+04 / 80
p0 136.7 ± 0.1104
190
180
170
160
150
140
130
120
110
100

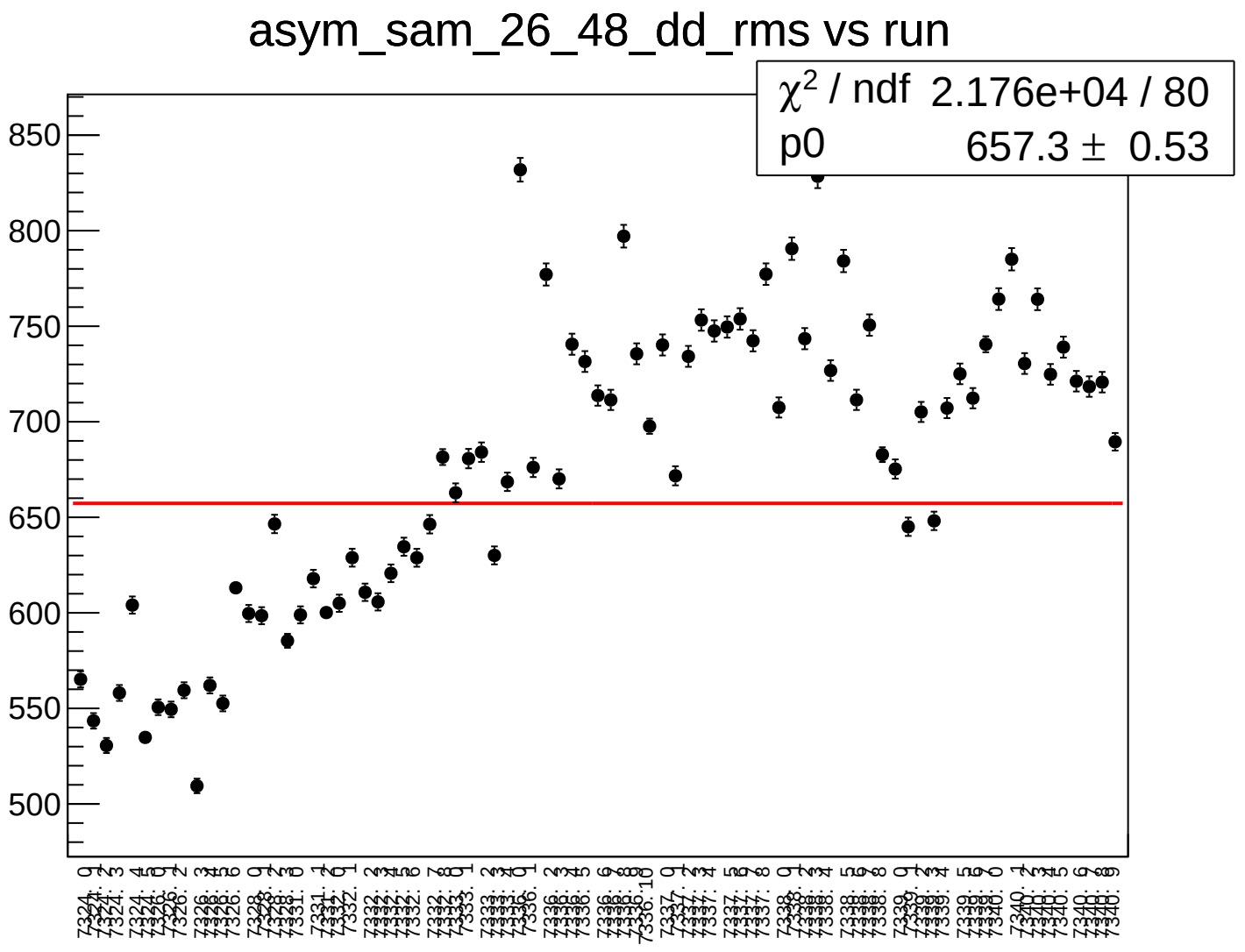

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 80.04 / 80
p0 −128.7 ± 772.2
pull
Entries 81
Mean −68.1
Std Dev 107.8

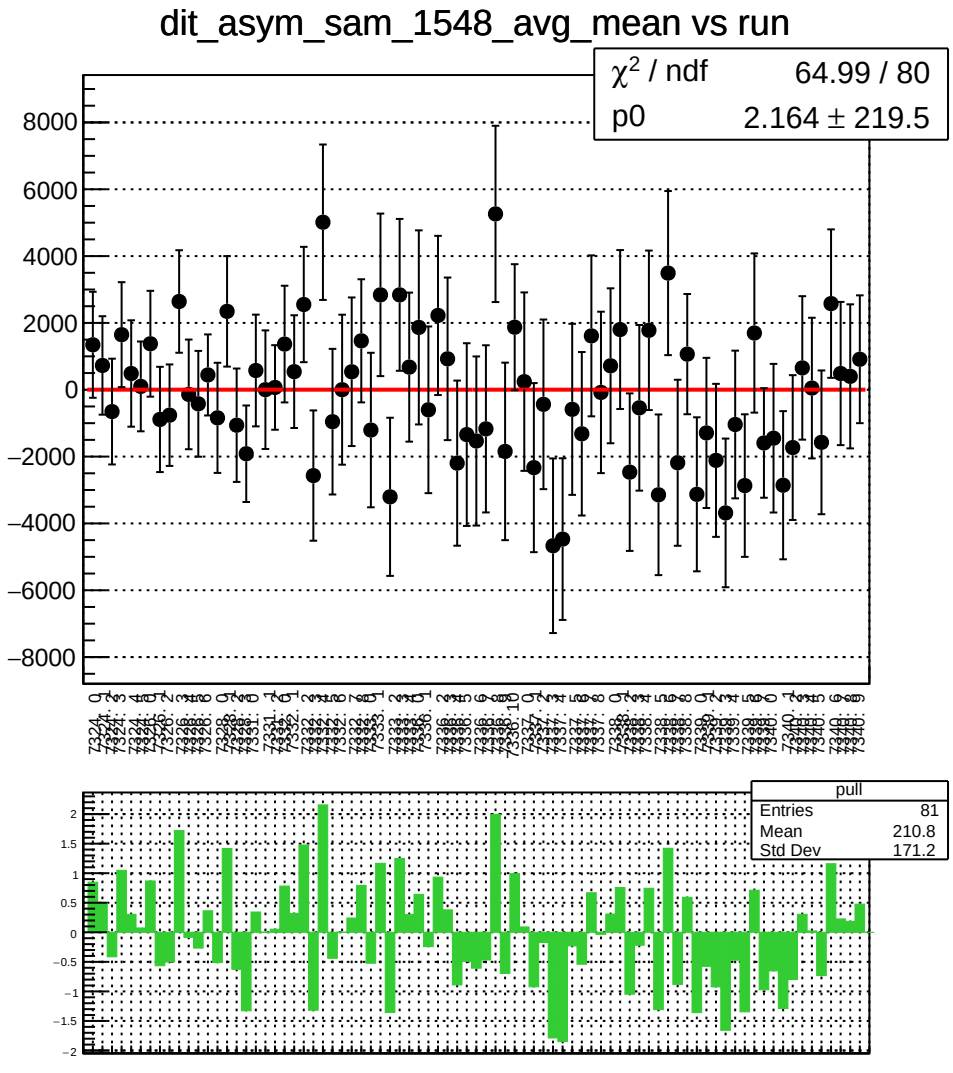

pull1D
Entries 81
Mean 0.01298
Std Dev 0.994

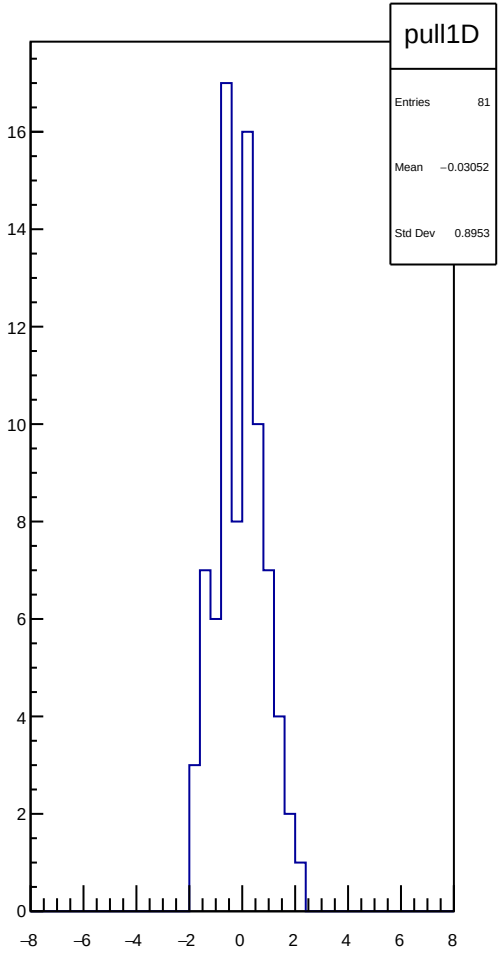

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5176 / 80
p0 680.9 ± 0.5461
780
760
740
720
700
680
660
640
620
600
580

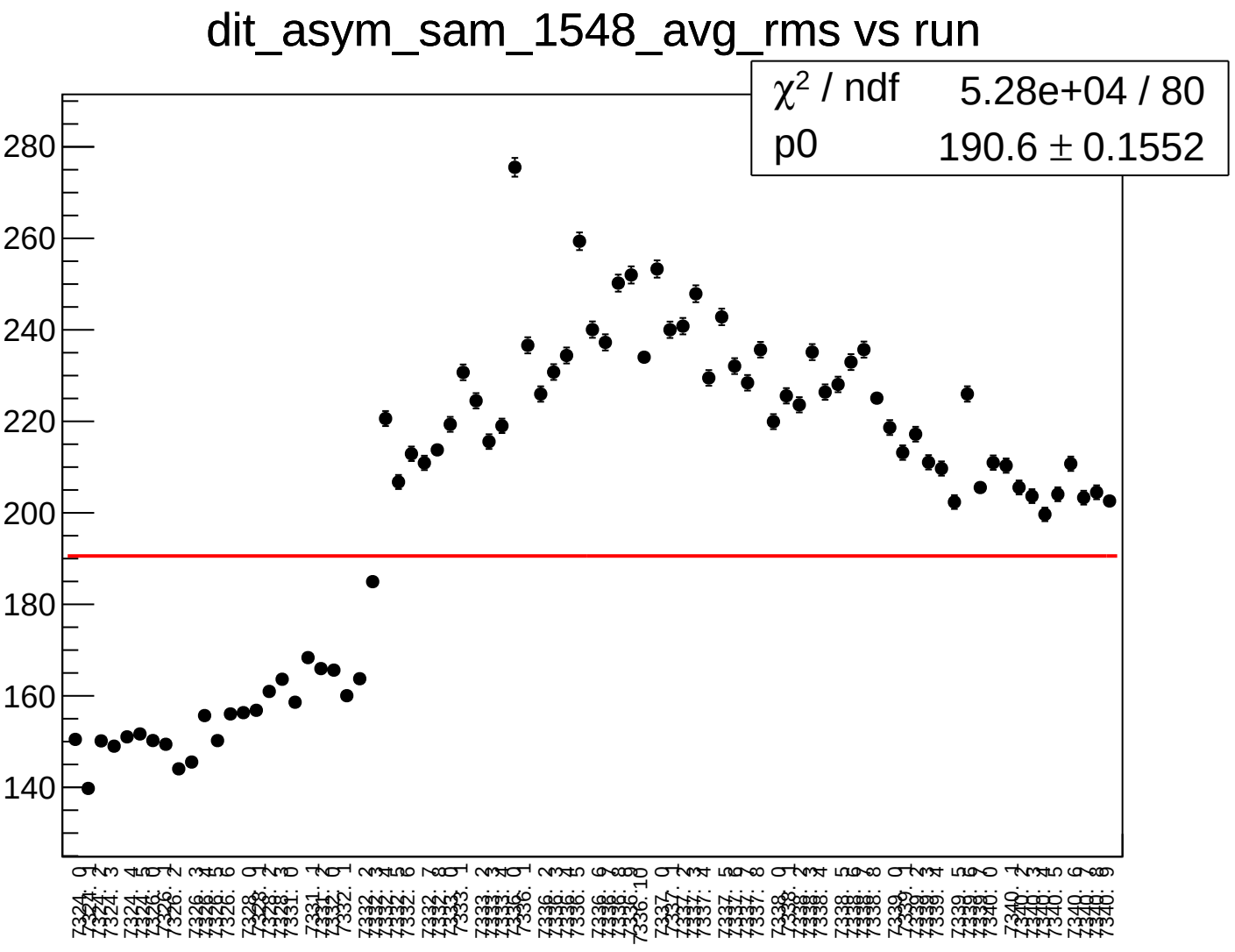

asym_sam_26_48_dd_mean vs run
χ^2 / ndf 79.1 / 80
p0 5.341 ± 749.5
pull
Entries 81
Mean −2238
Std Dev 2278

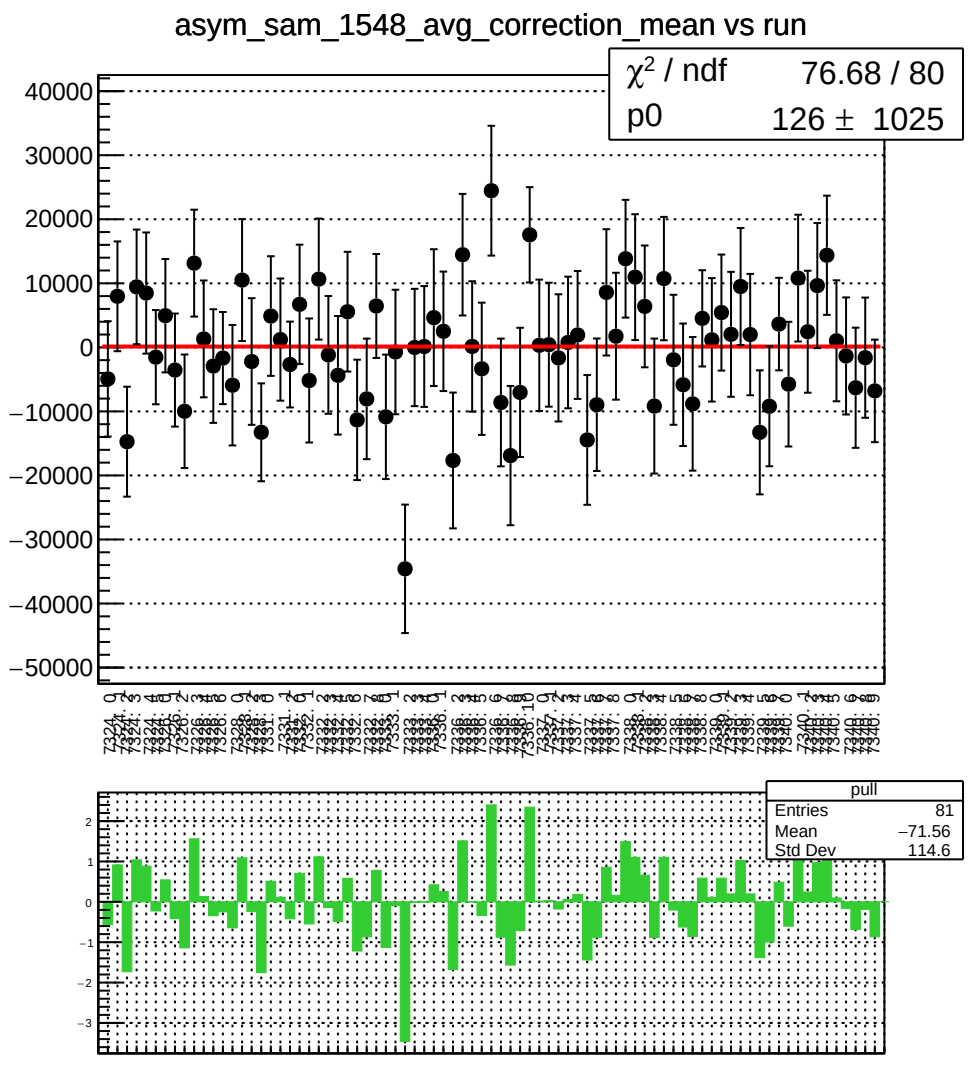

pull1D
Entries 81
Mean −0.001071
Std Dev 0.9882

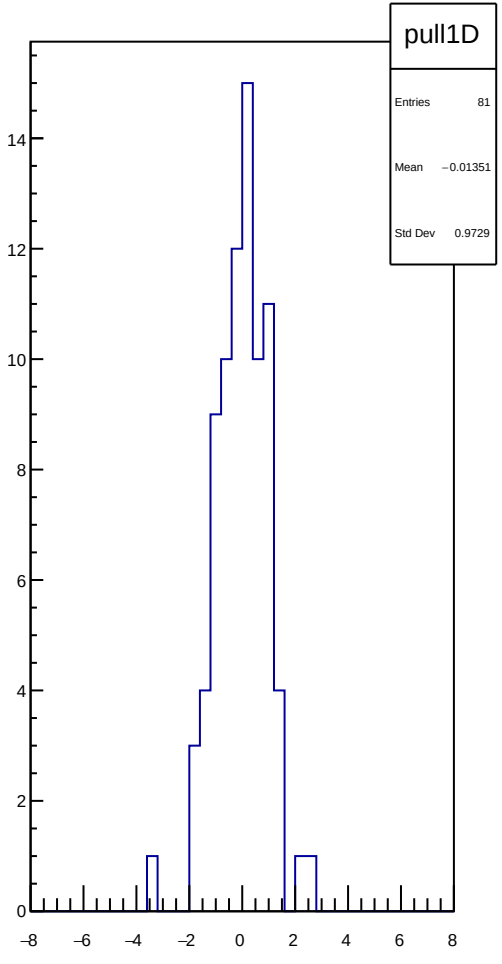

asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2.176e+04 / 80
p0 657.3 ± 0.53
850
800
750
700
650
600
550
500

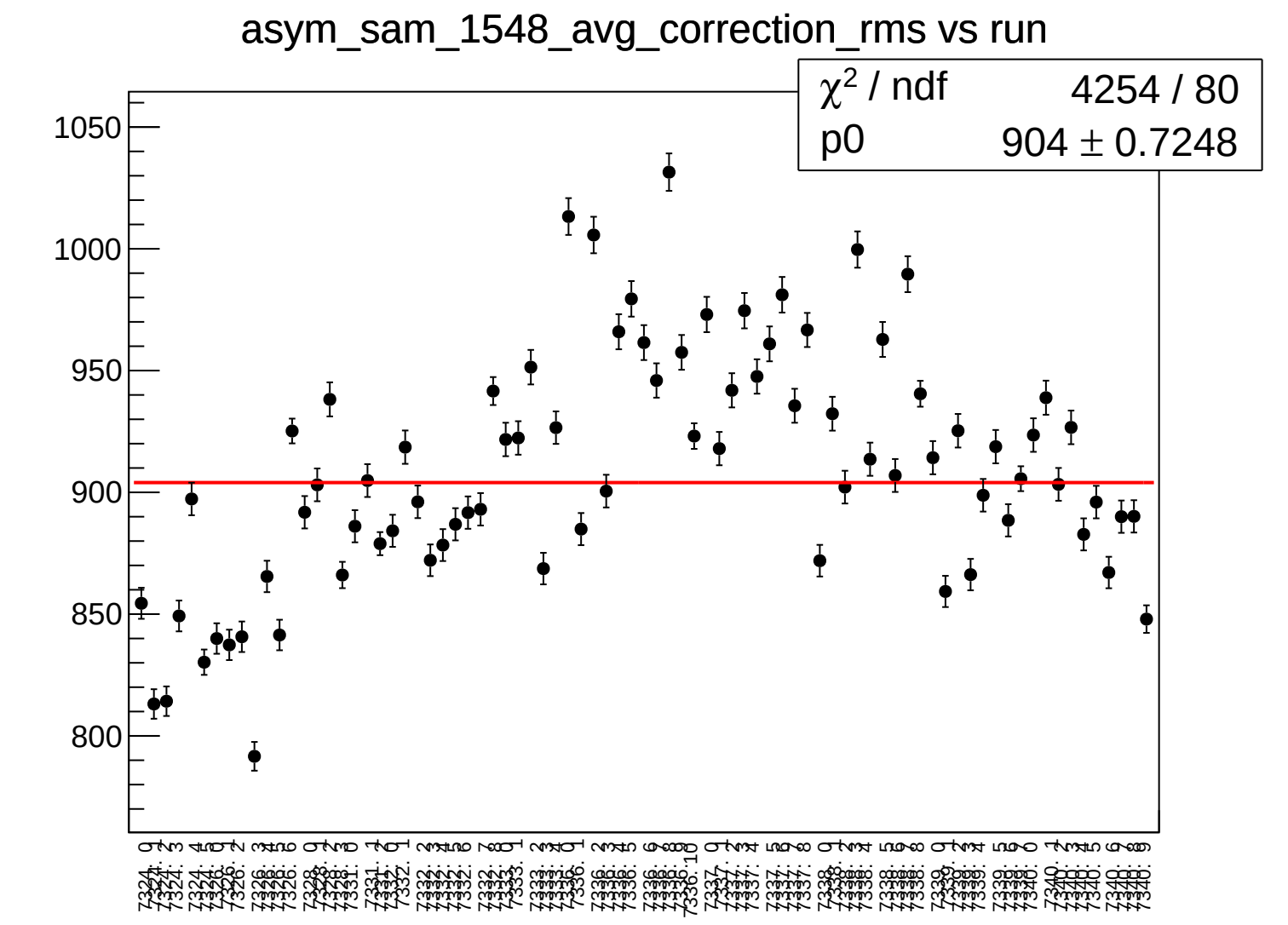

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 64.99 / 80
p0 2.164 ± 219.5
pull
Entries 81
Mean 210.8
Std Dev 171.2

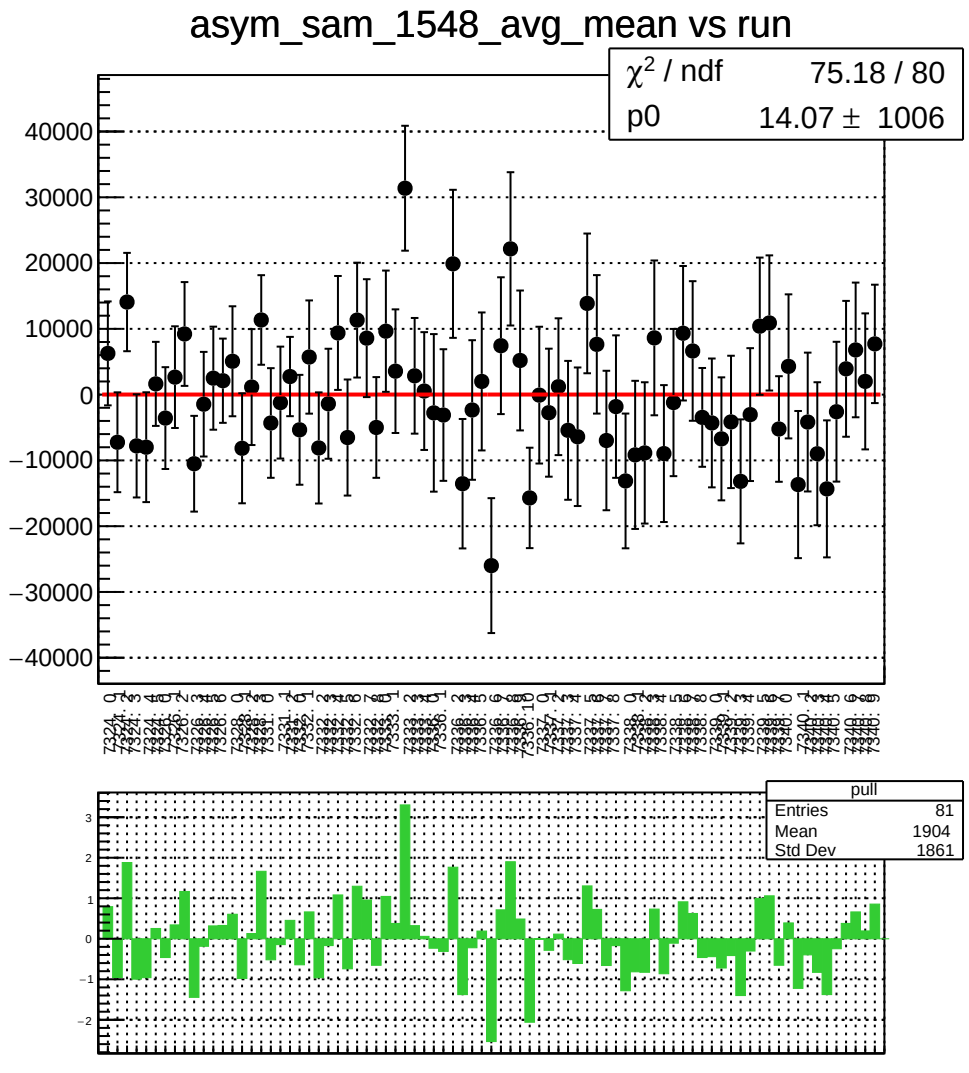

pull1D
Entries 81
Mean −0.03052
Std Dev 0.8953

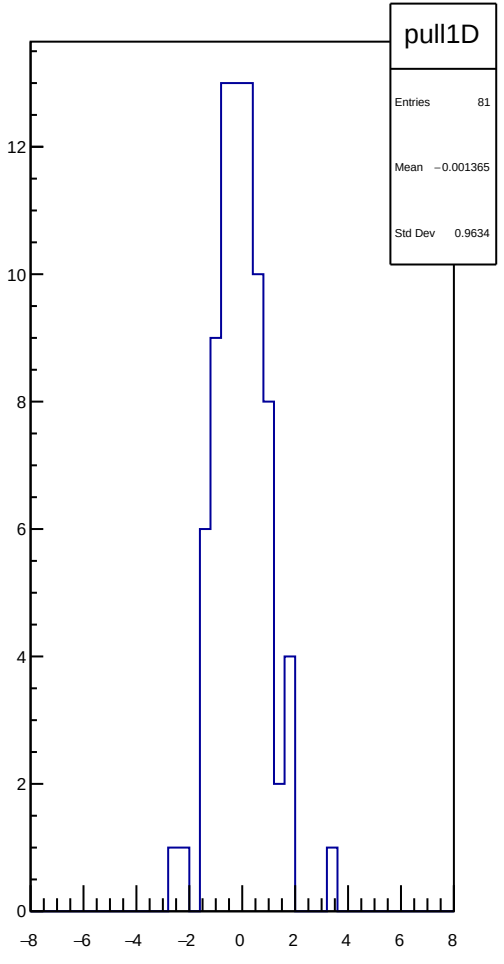

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5.28e+04 / 80
p0 190.6 ± 0.1552
280
260
240
220
200
180
160
140

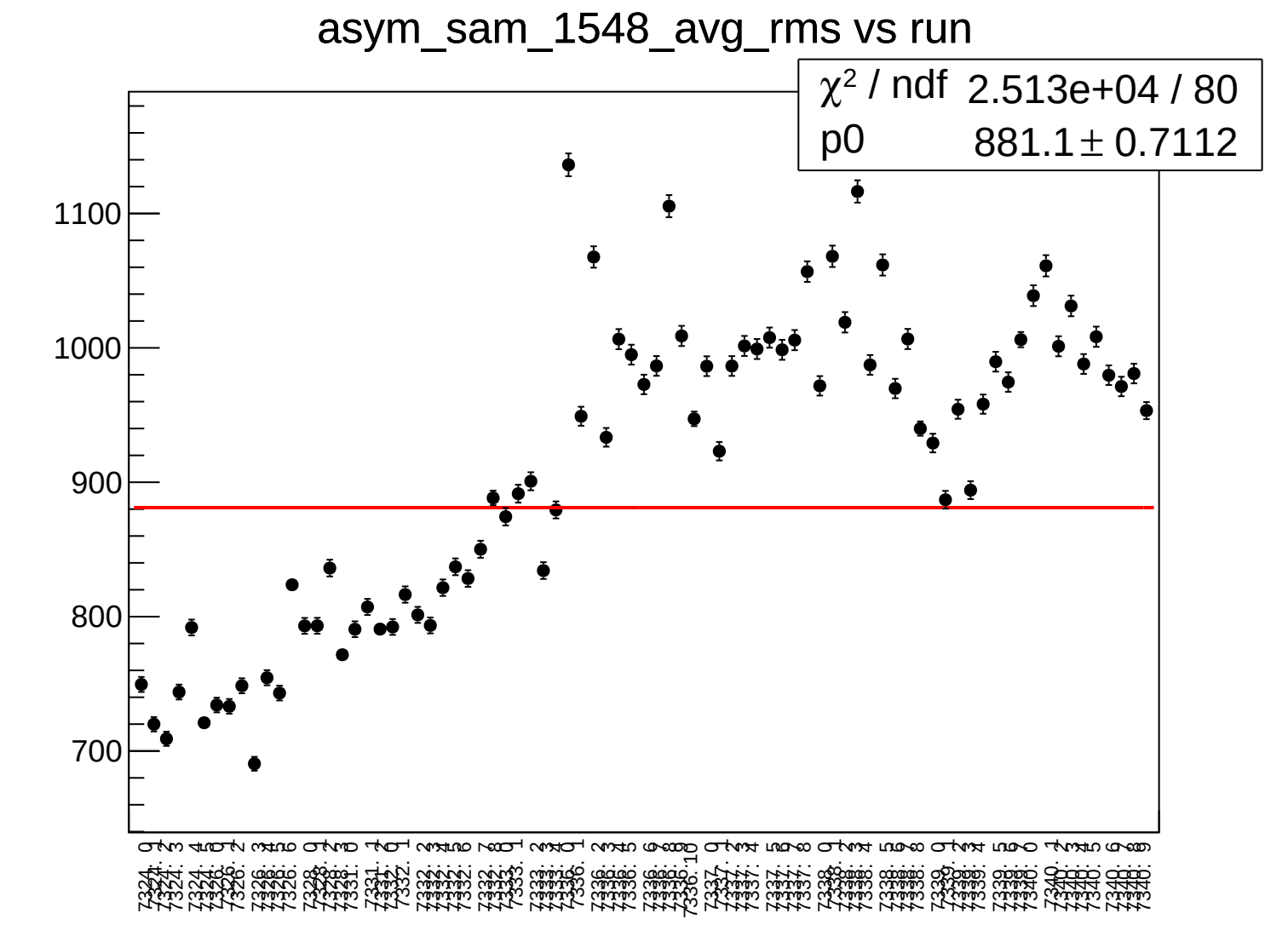

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 76.68 / 80
p0 126 ± 1025
pull
Entries 81
Mean −71.56
Std Dev 114.6

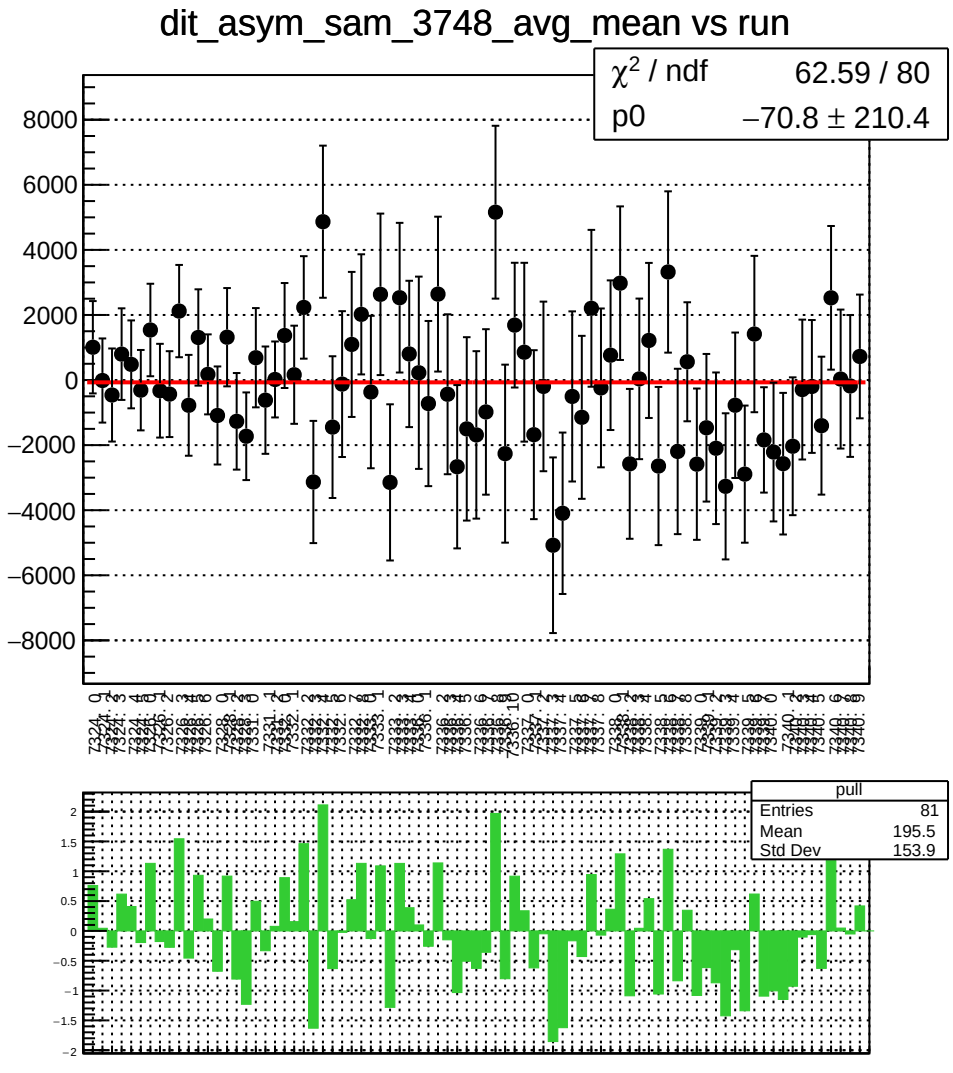

pull1D
Entries 81
Mean −0.01351
Std Dev 0.9729

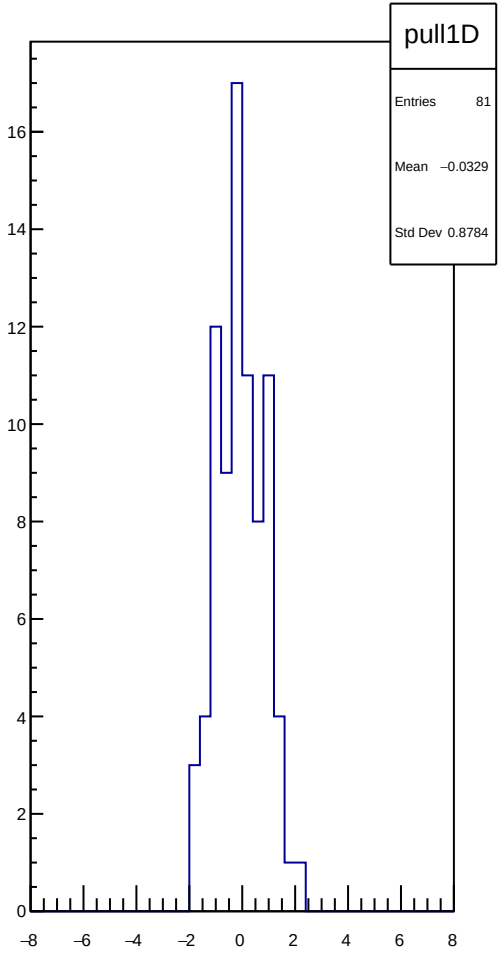

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 4254 / 80
p0 904 ± 0.7248
1050
1000
950
900
850
800

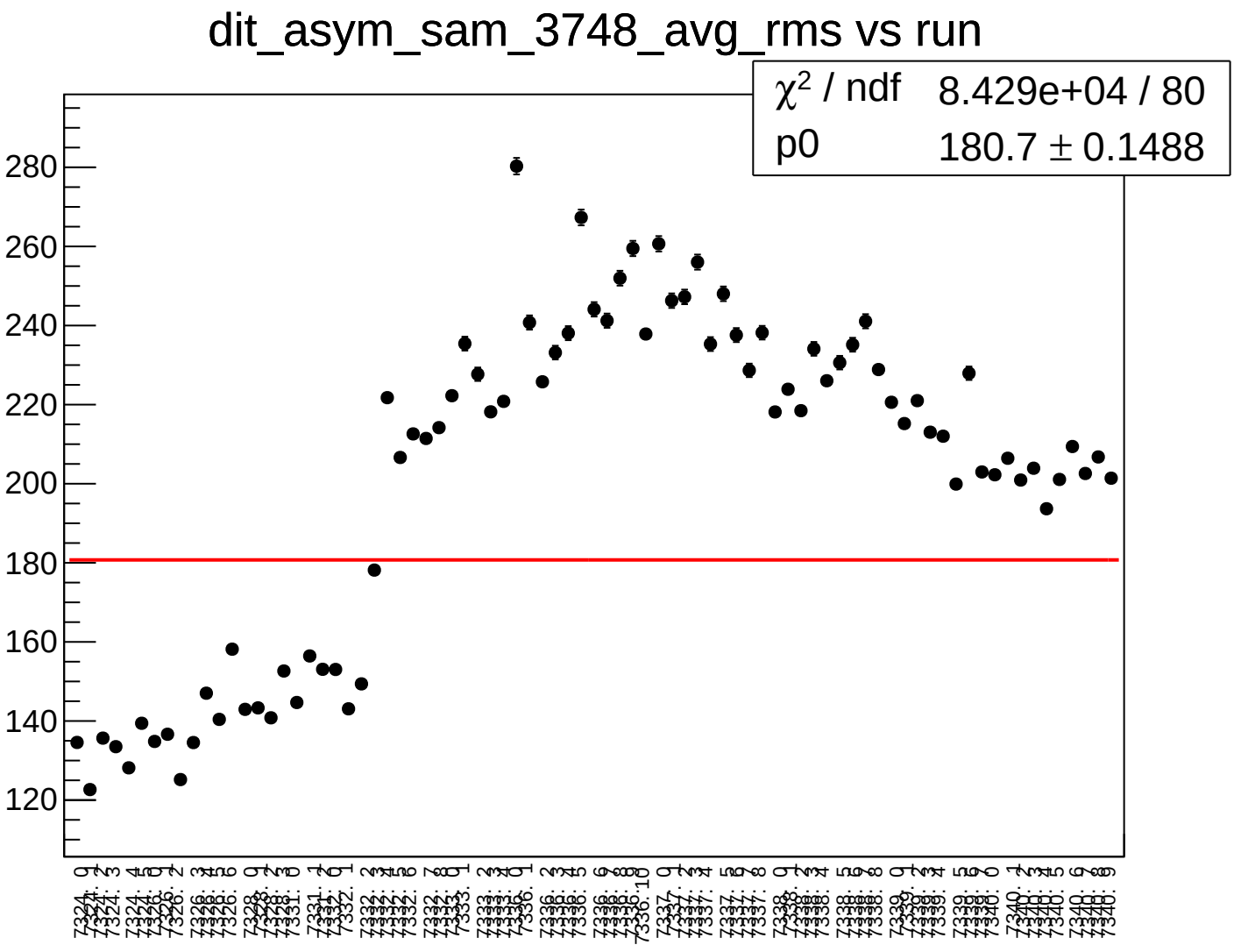

asym_sam_1548_avg_mean vs run
χ² / ndf 75.18 / 80
p0 14.07 ± 1006
pull
Entries 81
Mean 1904
Std Dev 1861

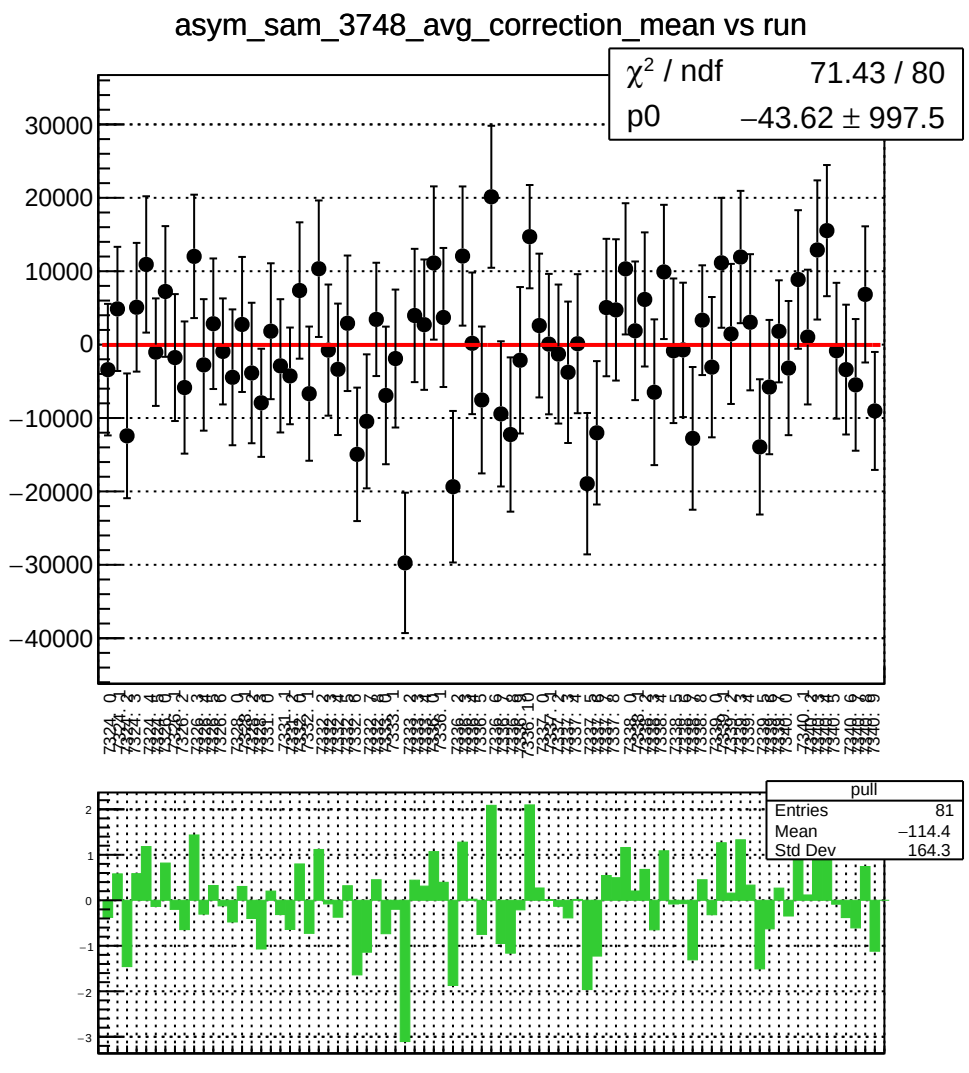

pull1D
Entries 81
Mean −0.001365
Std Dev 0.9634

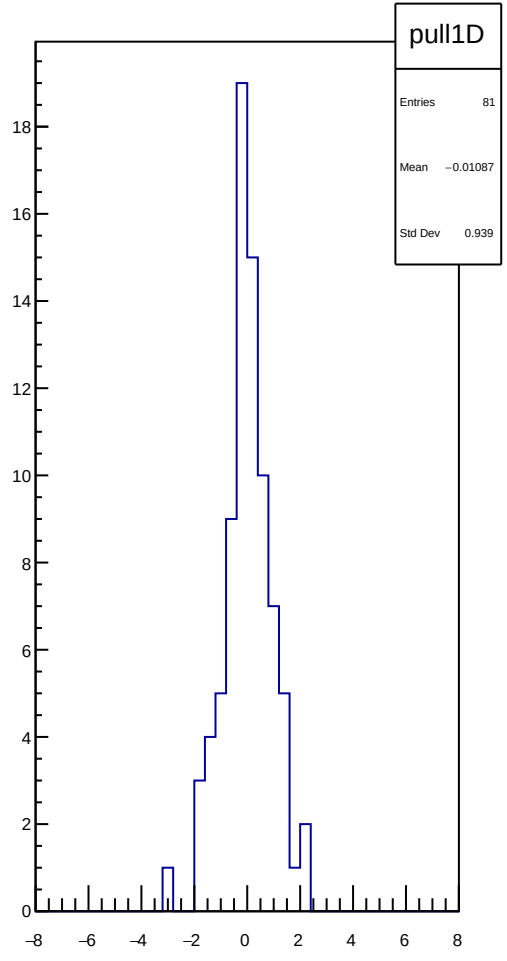

asym_sam_1548_avg_rms vs run
χ² / ndf 2.513e+04 / 80
p0 881.1 ± 0.7112
1100
1000
900
800
700

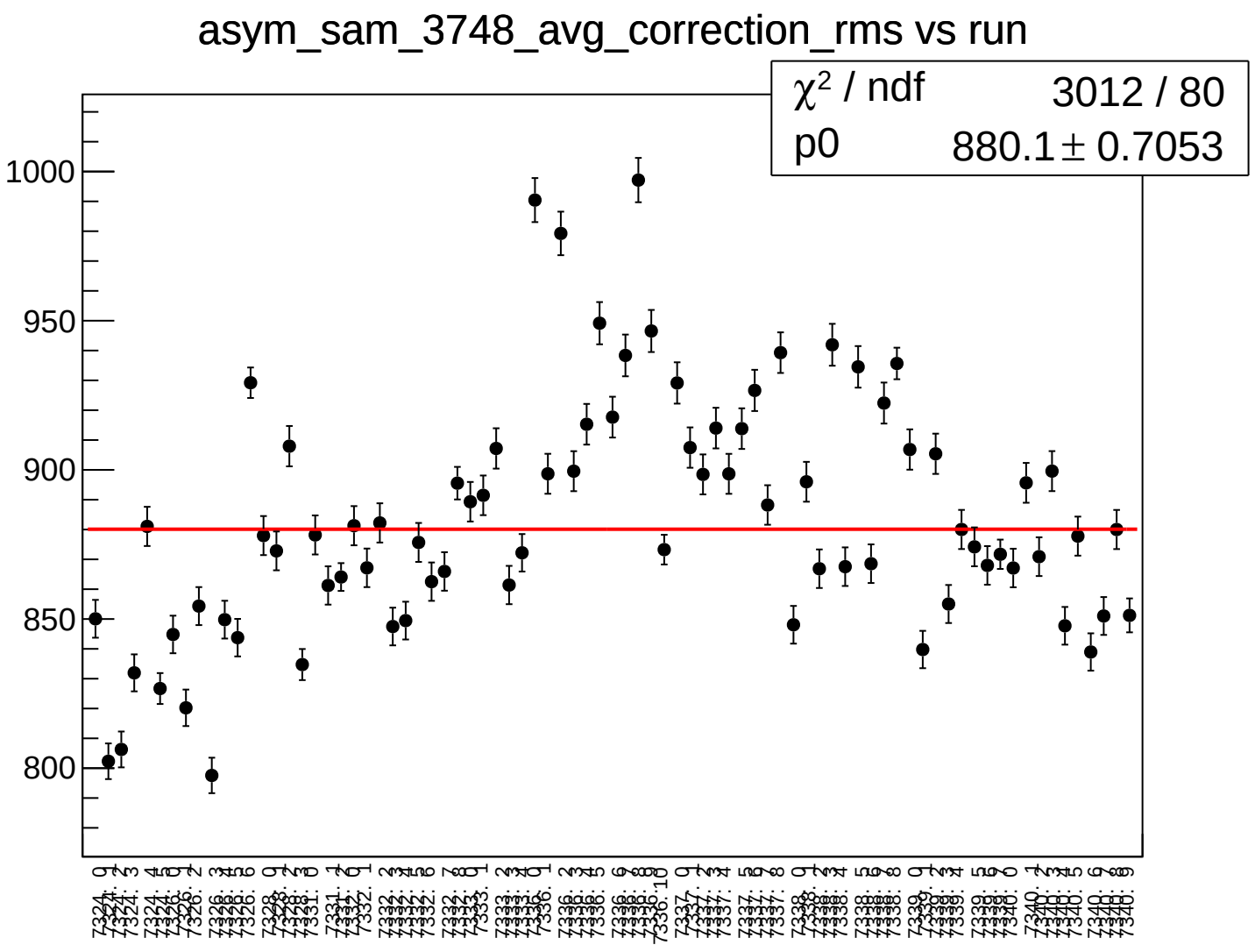

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 62.59 / 80
p0 −70.8 ± 210.4
pull
Entries 81
Mean 195.5
Std Dev 153.9

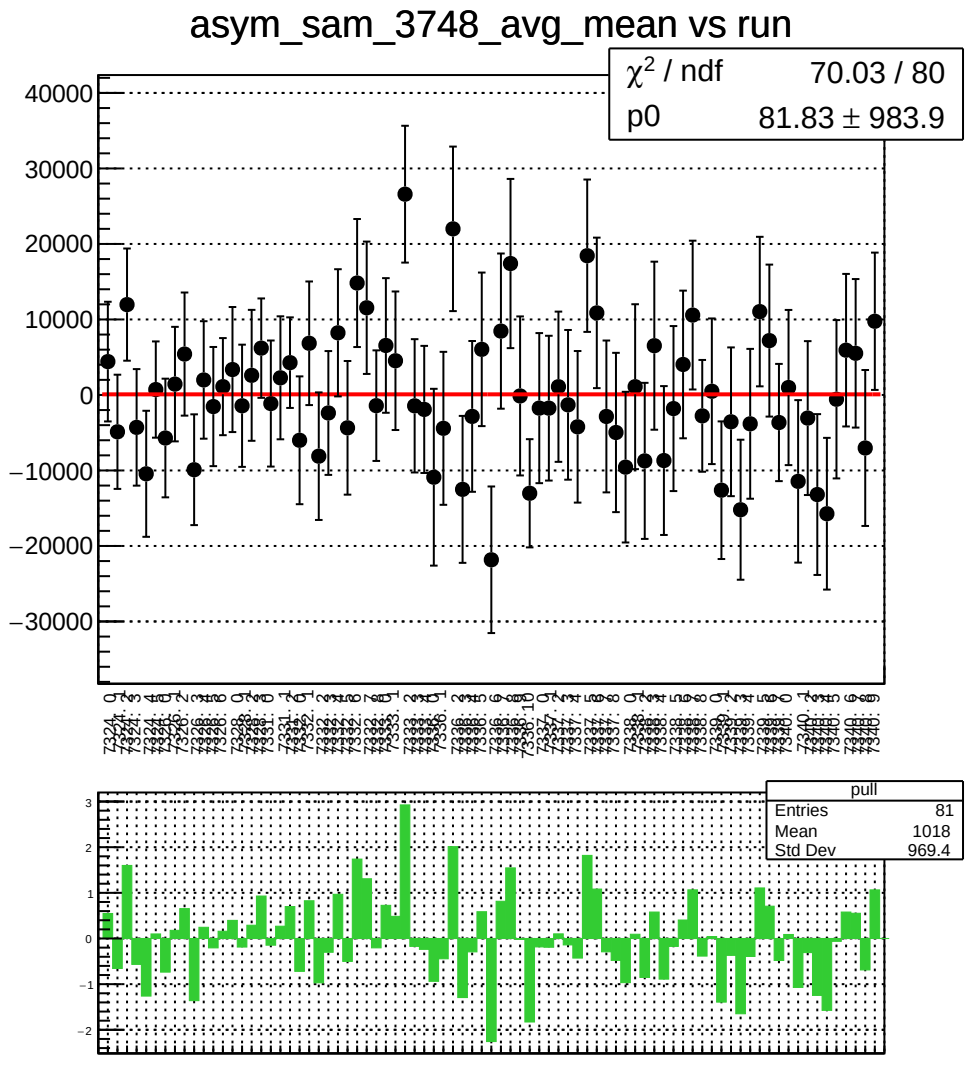

pull1D
Entries 81
Mean −0.0329
Std Dev 0.8784

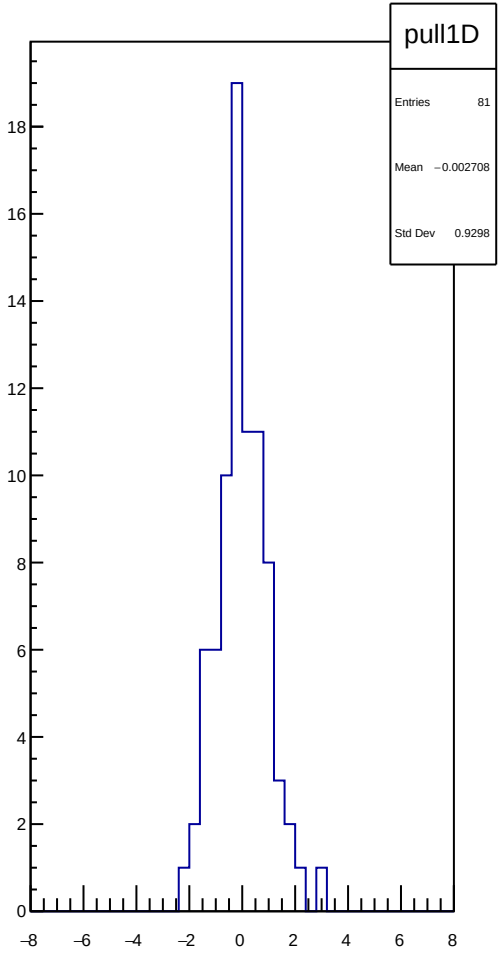

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 8.429e+04 / 80
p0 180.7 ± 0.1488
280
260
240
220
200
180
160
140
120

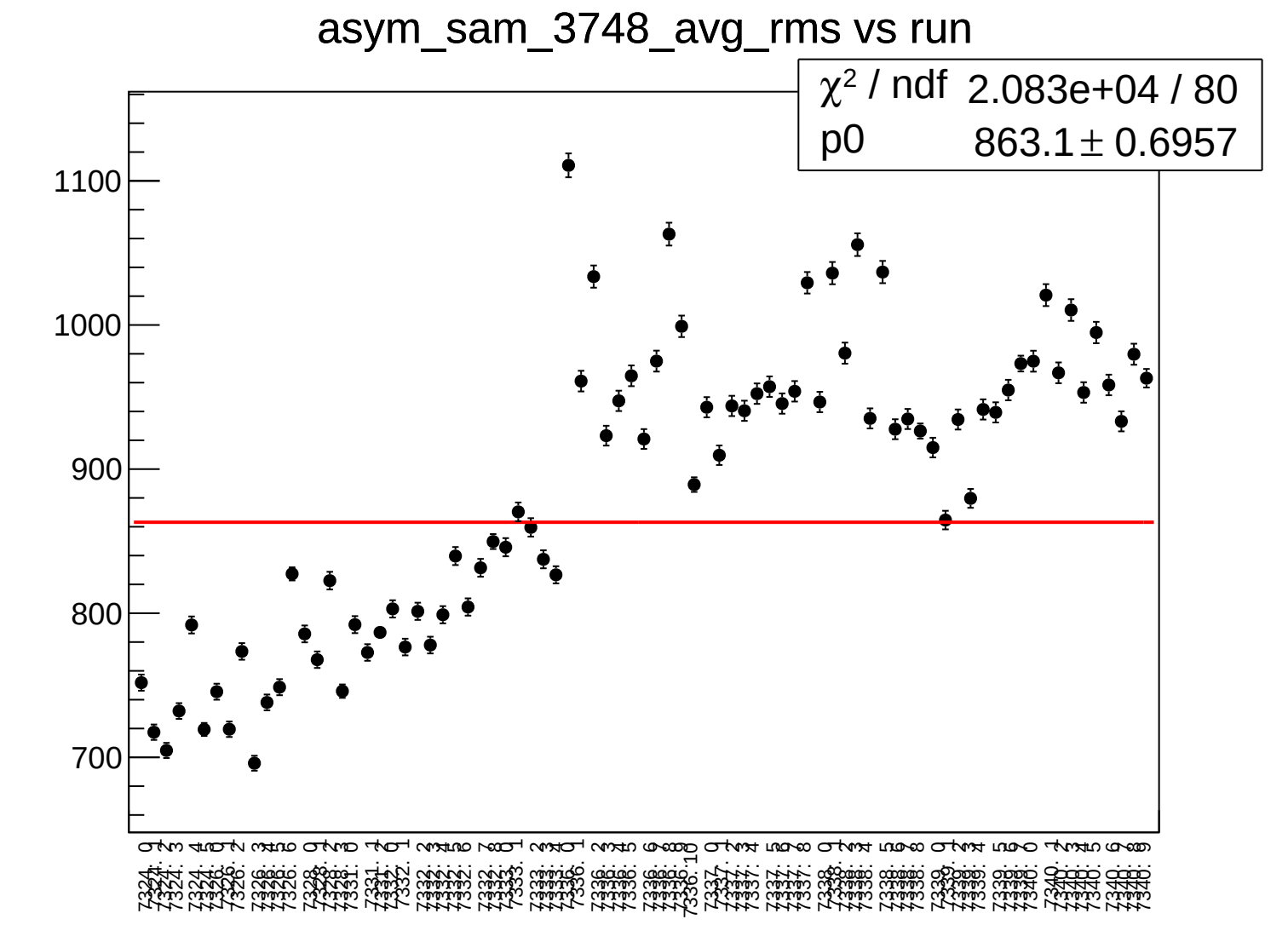

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 71.43 / 80
p0 −43.62 ± 997.5
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean −114.4
Std Dev 164.3
2
1
0
−1
−2
−3

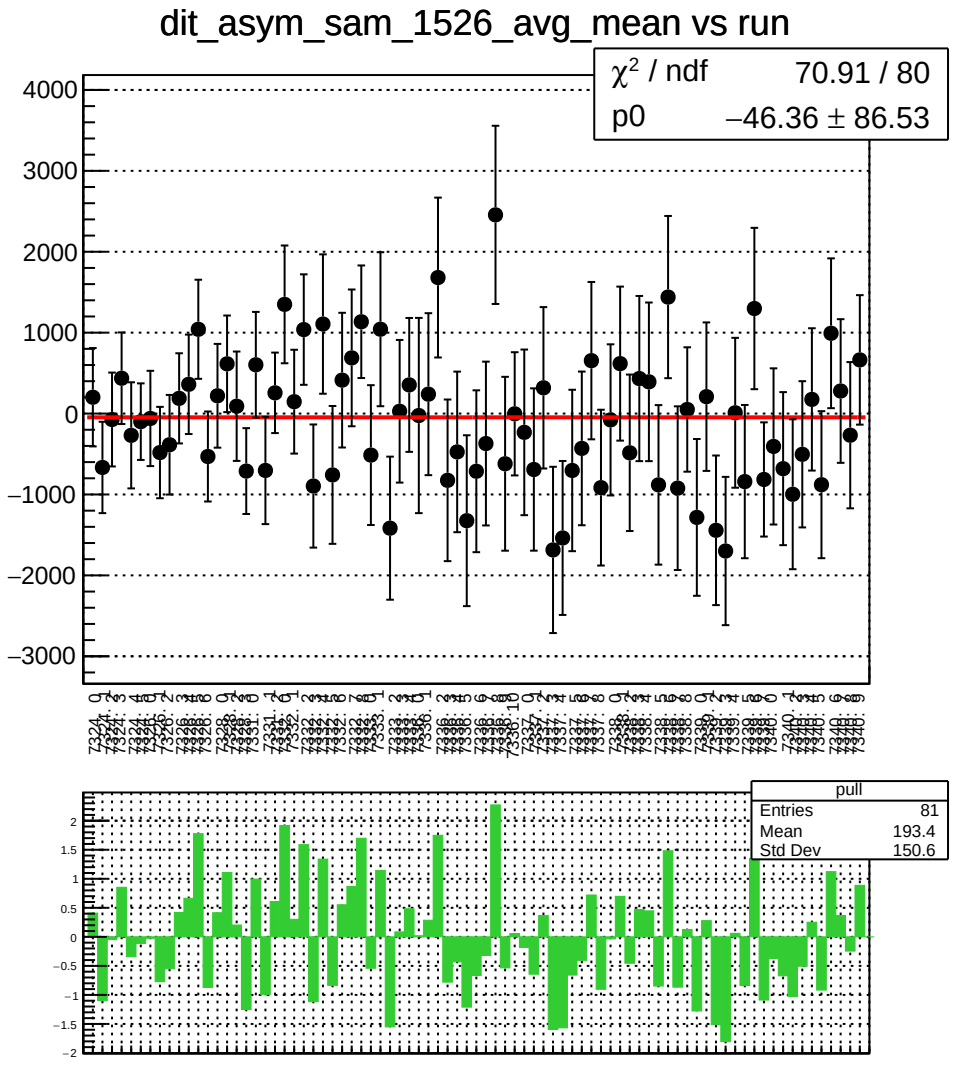

pull1D
Entries 81
Mean −0.01087
Std Dev 0.939
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

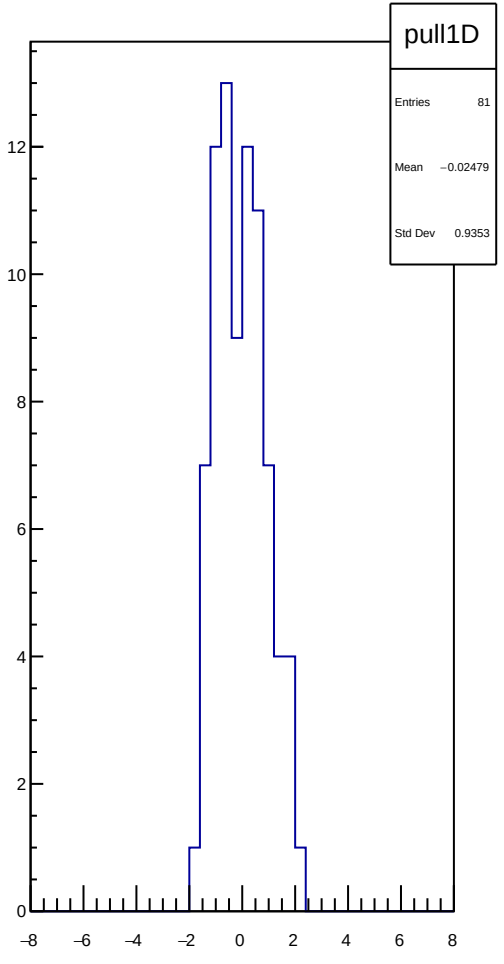

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3012 / 80
p0 880.1 ± 0.7053
1000
950
900
850
800

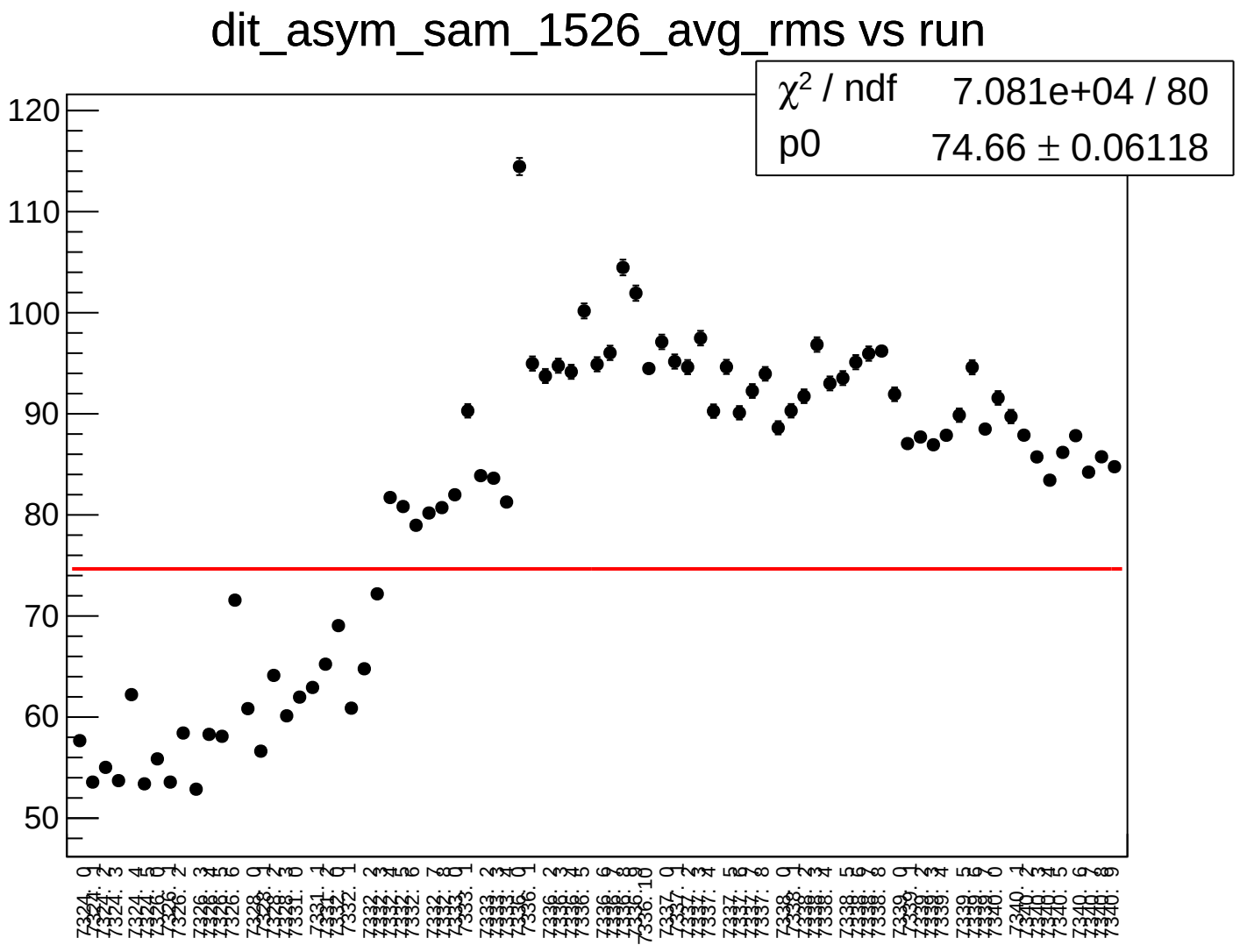

asym_sam_3748_avg_mean vs run
χ² / ndf 70.03 / 80
p0 81.83 ± 983.9
pull
Entries 81
Mean 1018
Std Dev 969.4

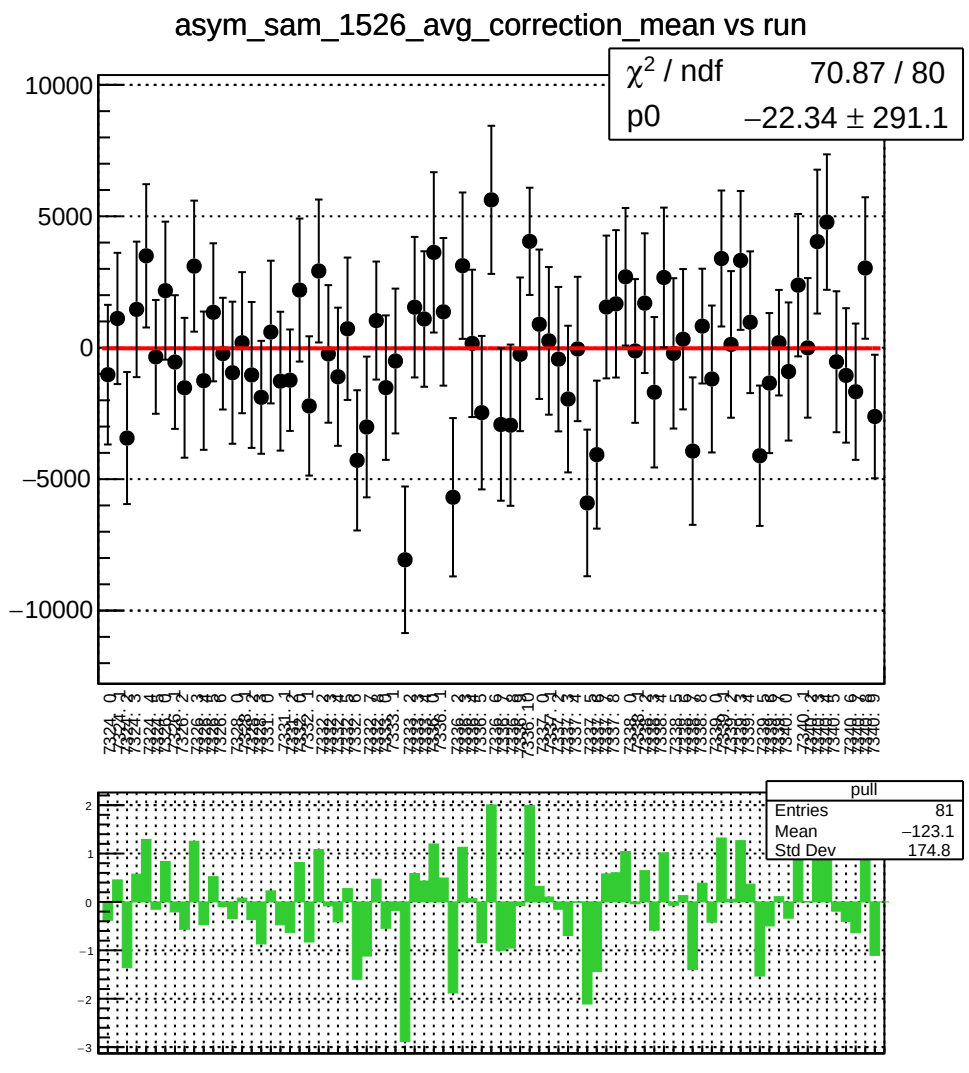

pull1D
Entries 81
Mean −0.002708
Std Dev 0.9298

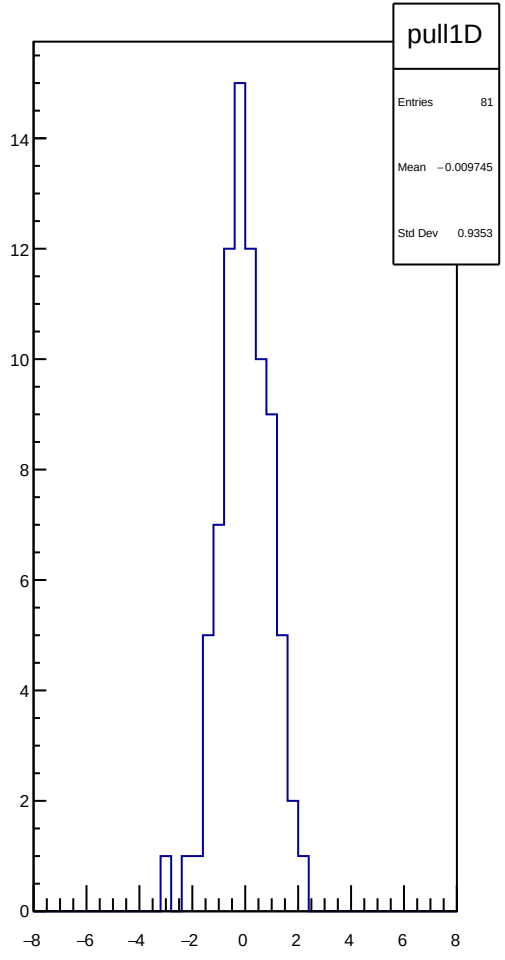

asym_sam_3748_avg_rms vs run
χ² / ndf 2.083e+04 / 80
p0 863.1 ± 0.6957
1100
1000
900
800
700

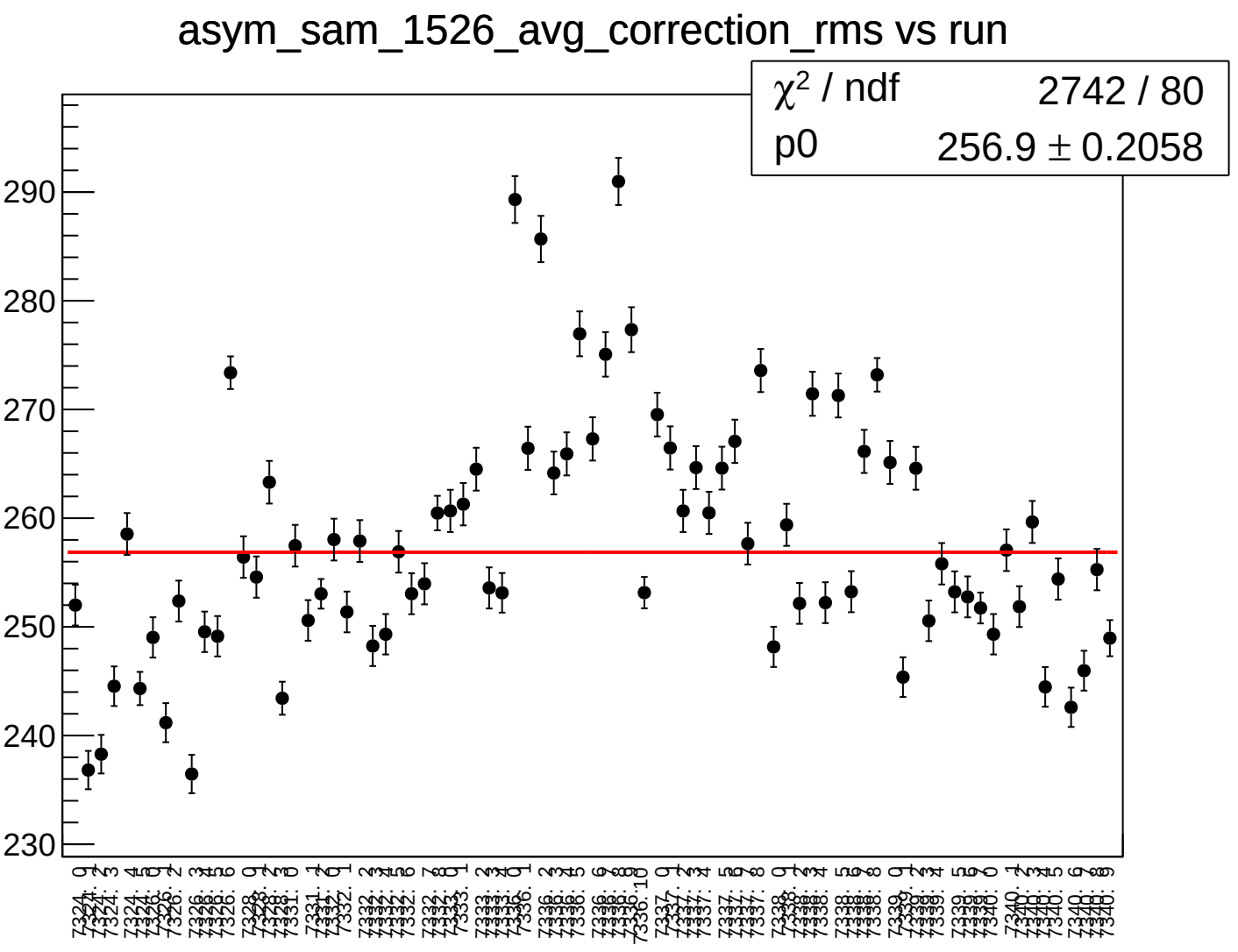

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 70.91 / 80
p0 −46.36 ± 86.53
pull
Entries 81
Mean 193.4
Std Dev 150.6

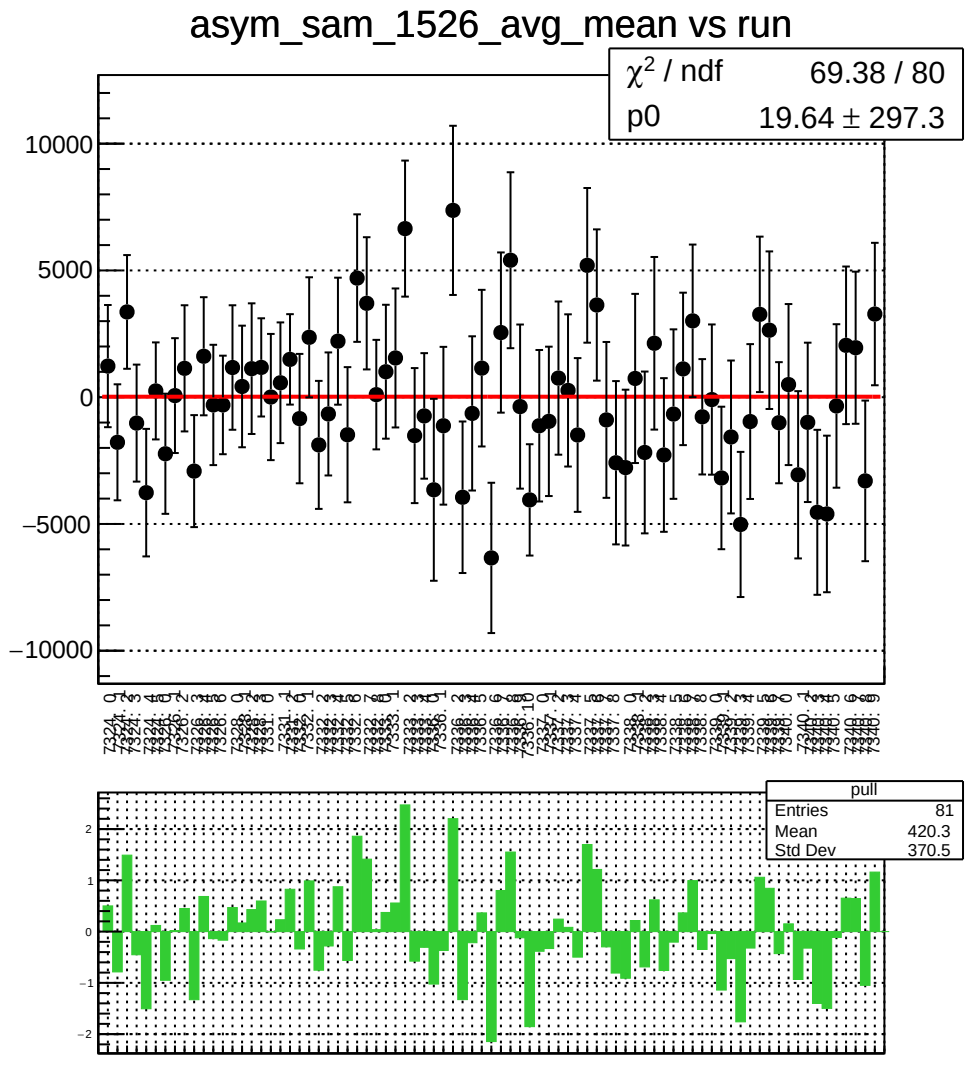

pull1D
Entries 81
Mean −0.02479
Std Dev 0.9353

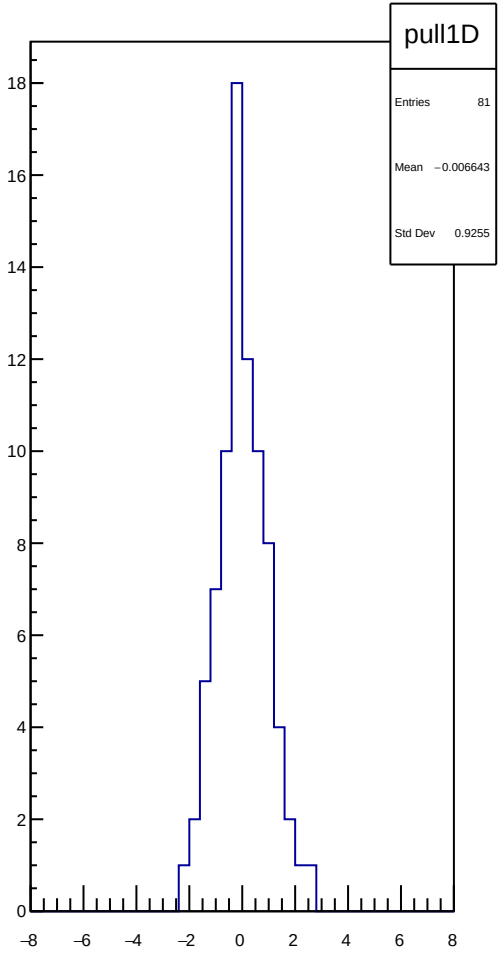

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 7.081e+04 / 80
p0 74.66 ± 0.06118
120
110
100
90
80
70
60
50

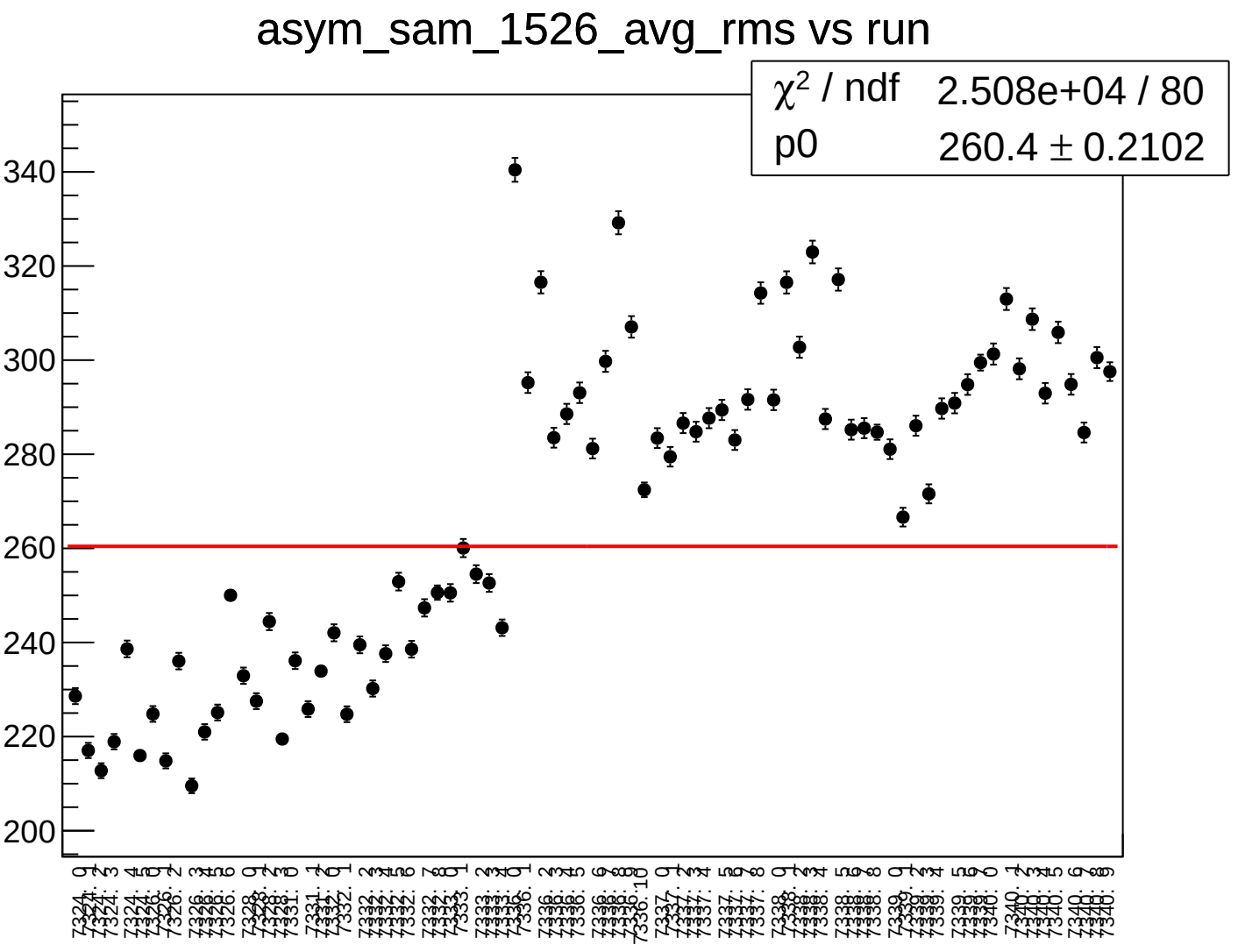

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 70.87 / 80
p0 −22.34 ± 291.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −123.1
Std Dev 174.8
2
1
0
−1
−2
−3

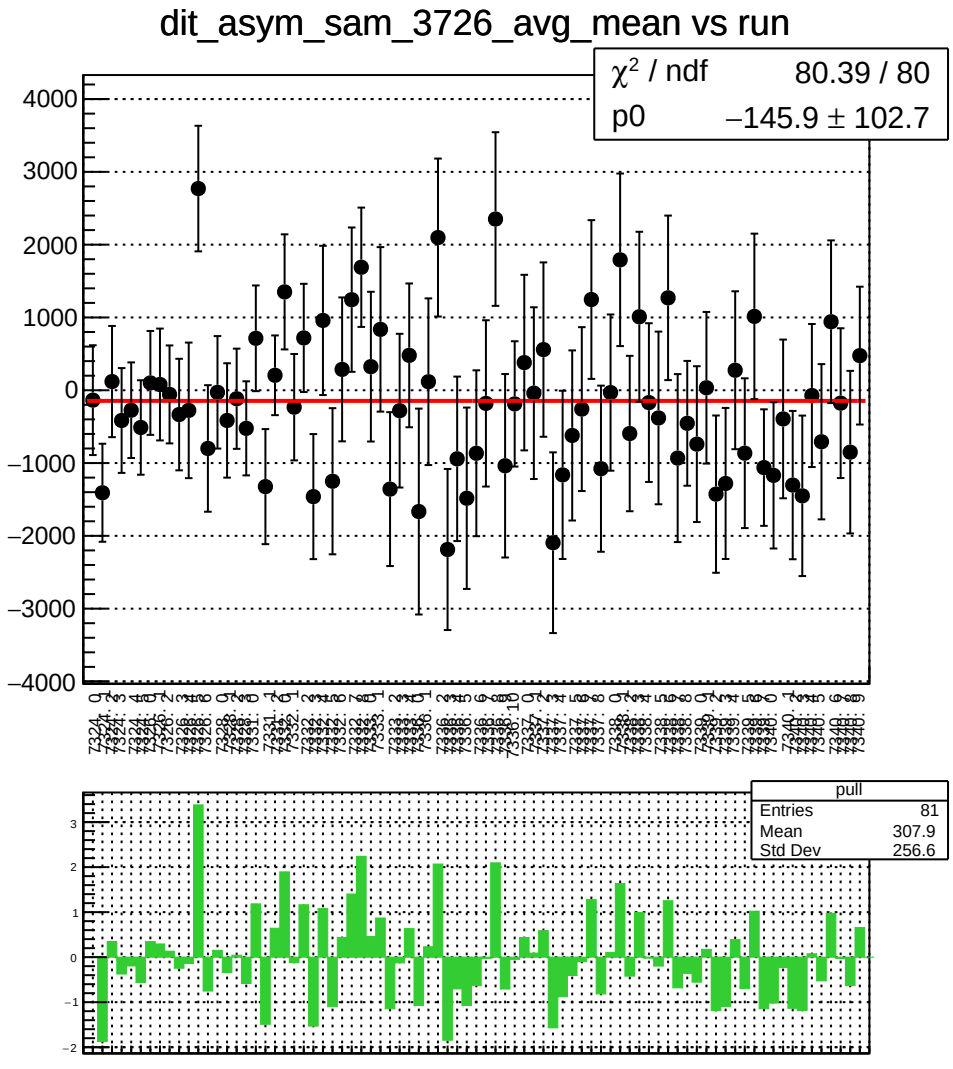

pull1D
Entries 81
Mean −0.009745
Std Dev 0.9353
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

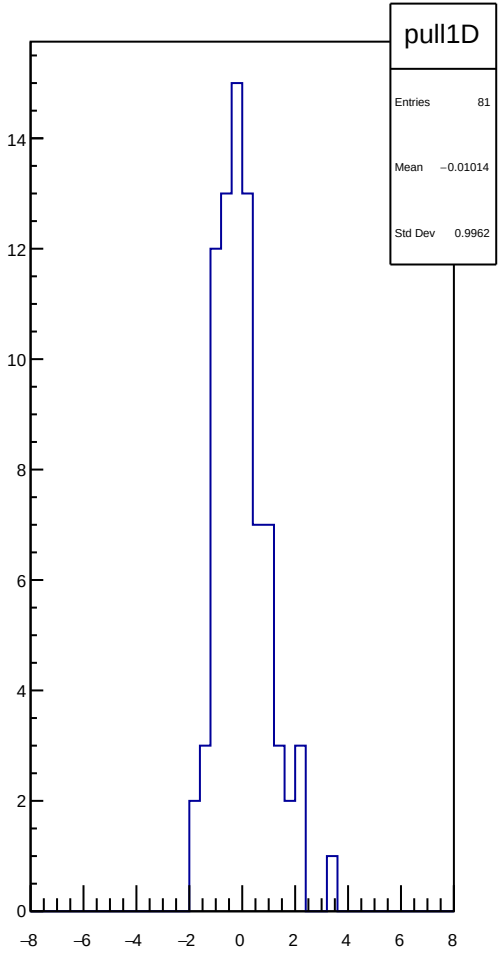

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2742 / 80
p0 256.9 ± 0.2058
290
280
270
260
250
240
230

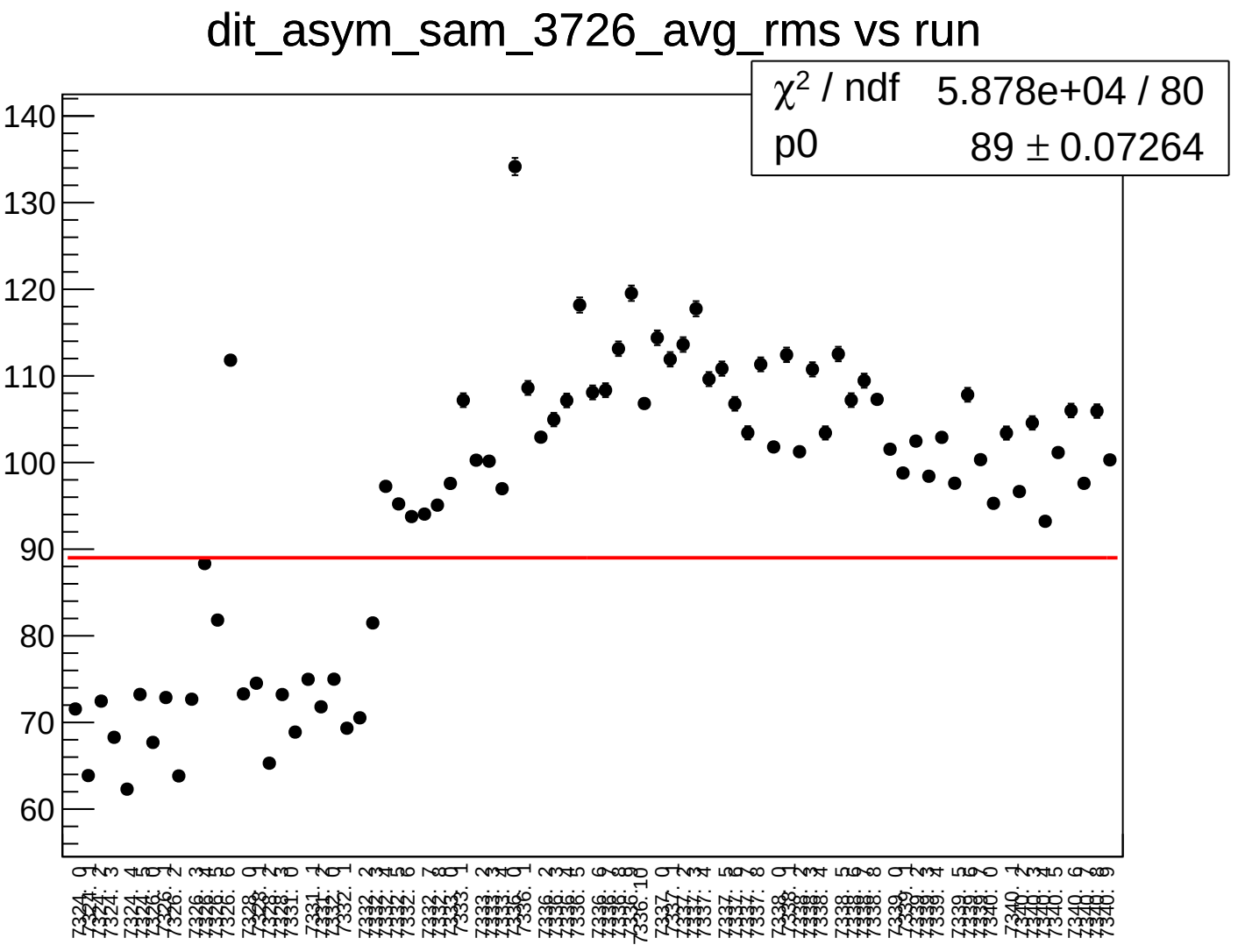

asym_sam_1526_avg_mean vs run
χ² / ndf 69.38 / 80
p0 19.64 ± 297.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 420.3
Std Dev 370.5
2
1
0
−1
−2

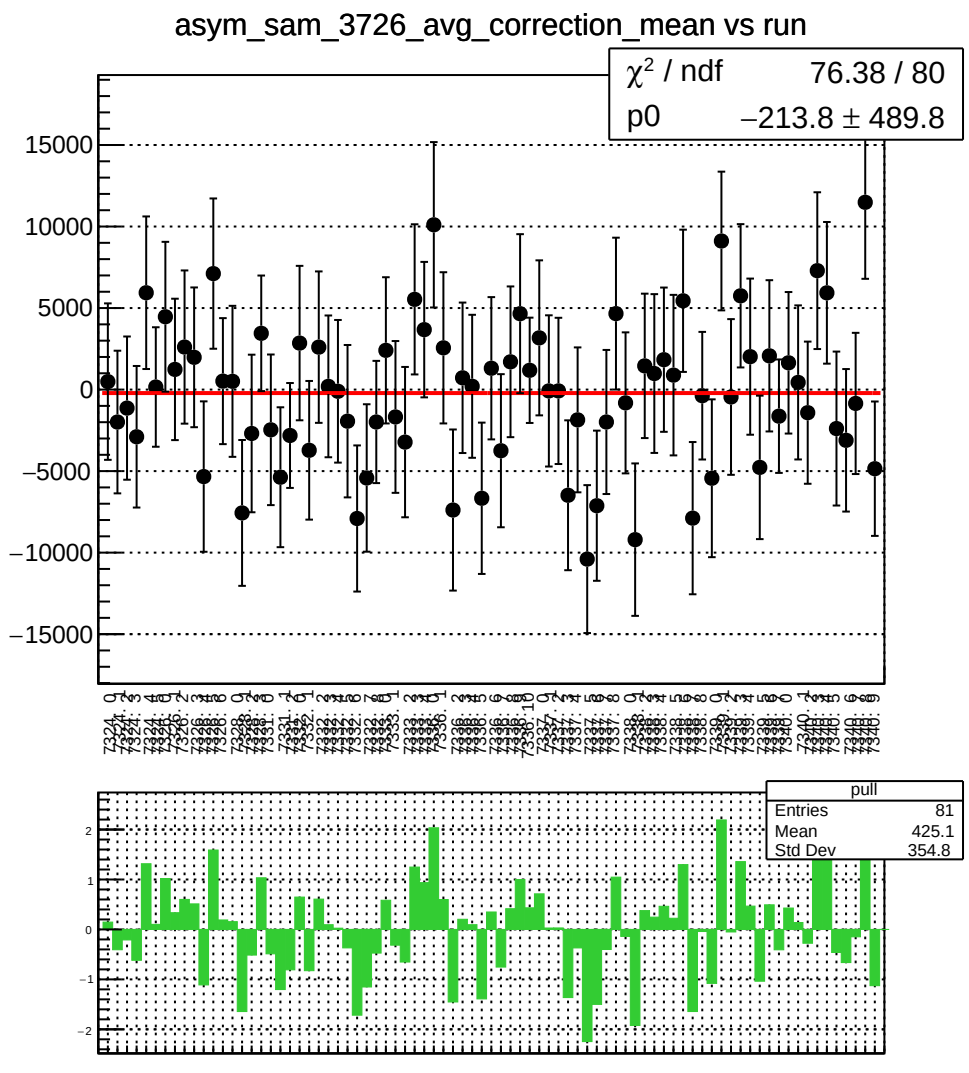

pull1D
Entries 81
Mean −0.006643
Std Dev 0.9255
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

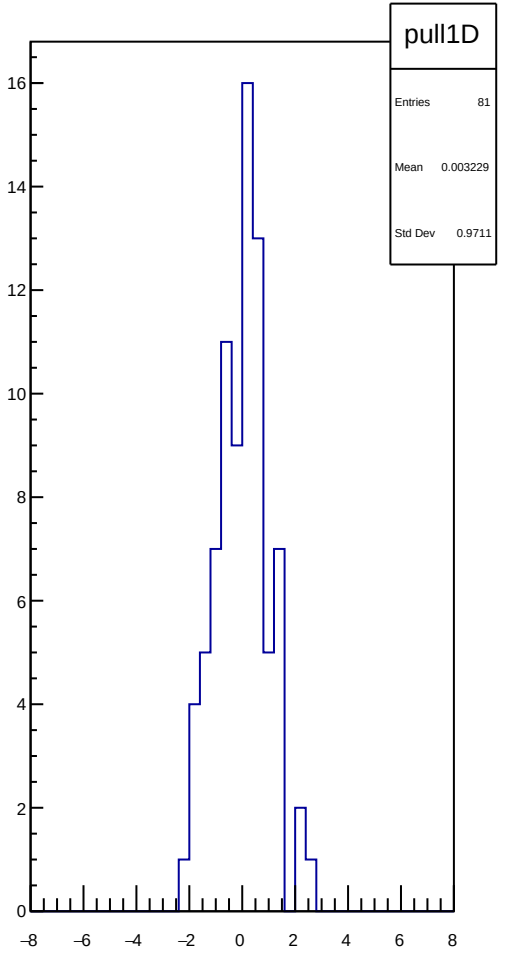

asym_sam_1526_avg_rms vs run
χ² / ndf 2.508e+04 / 80
p0 260.4 ± 0.2102
340
320
300
280
260
240
220
200

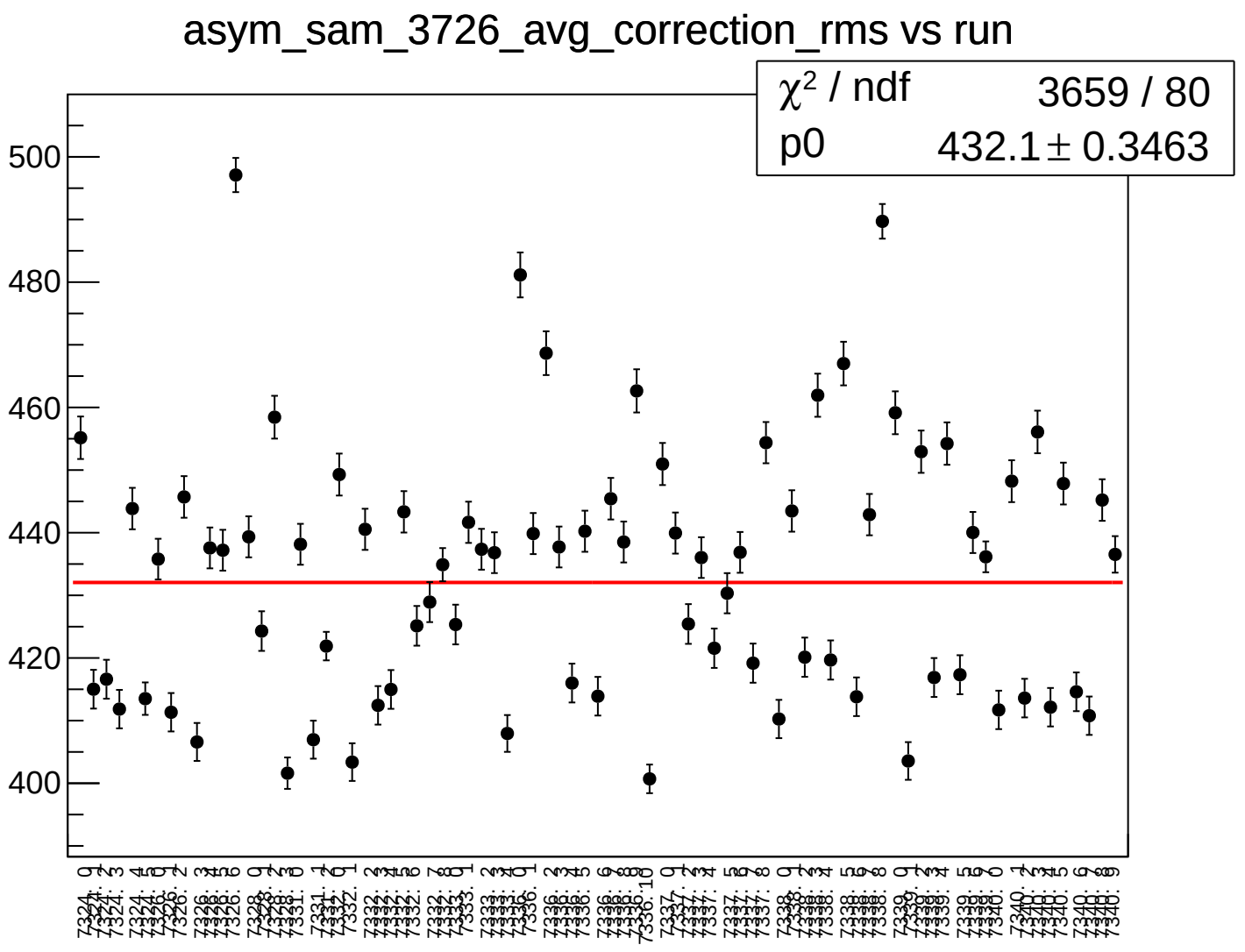

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 80.39 / 80
p0 −145.9 ± 102.7
pull
Entries 81
Mean 307.9
Std Dev 256.6

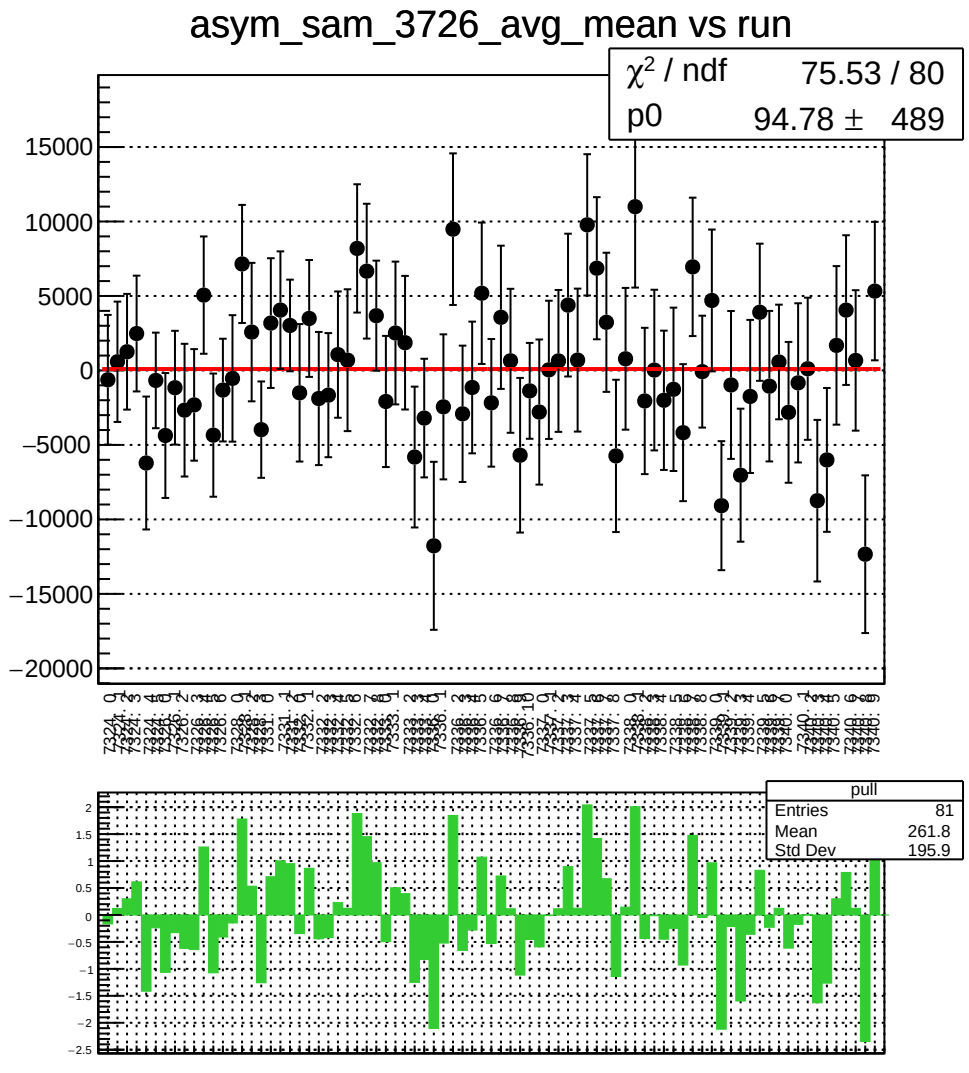

pull1D
Entries 81
Mean −0.01014
Std Dev 0.9962

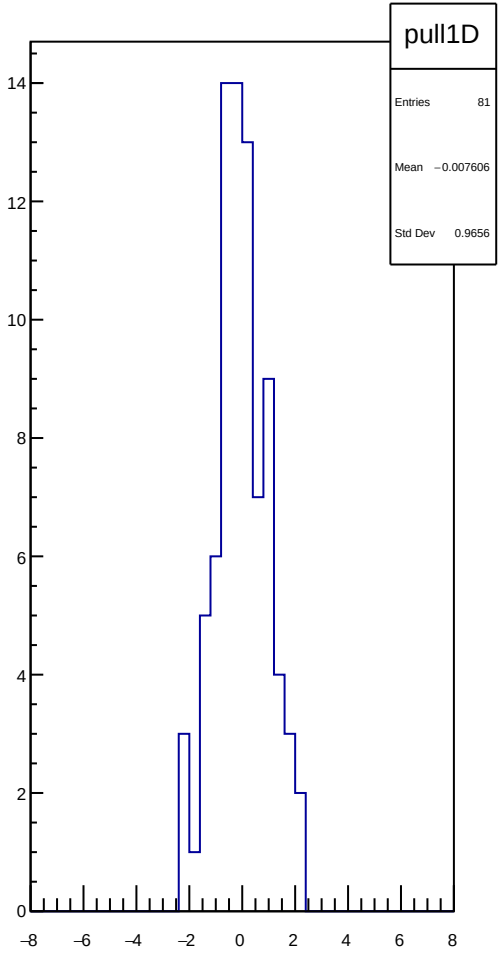

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 5.878e+04 / 80
p0 89 ± 0.07264
140
130
120
110
100
90
80
70
60

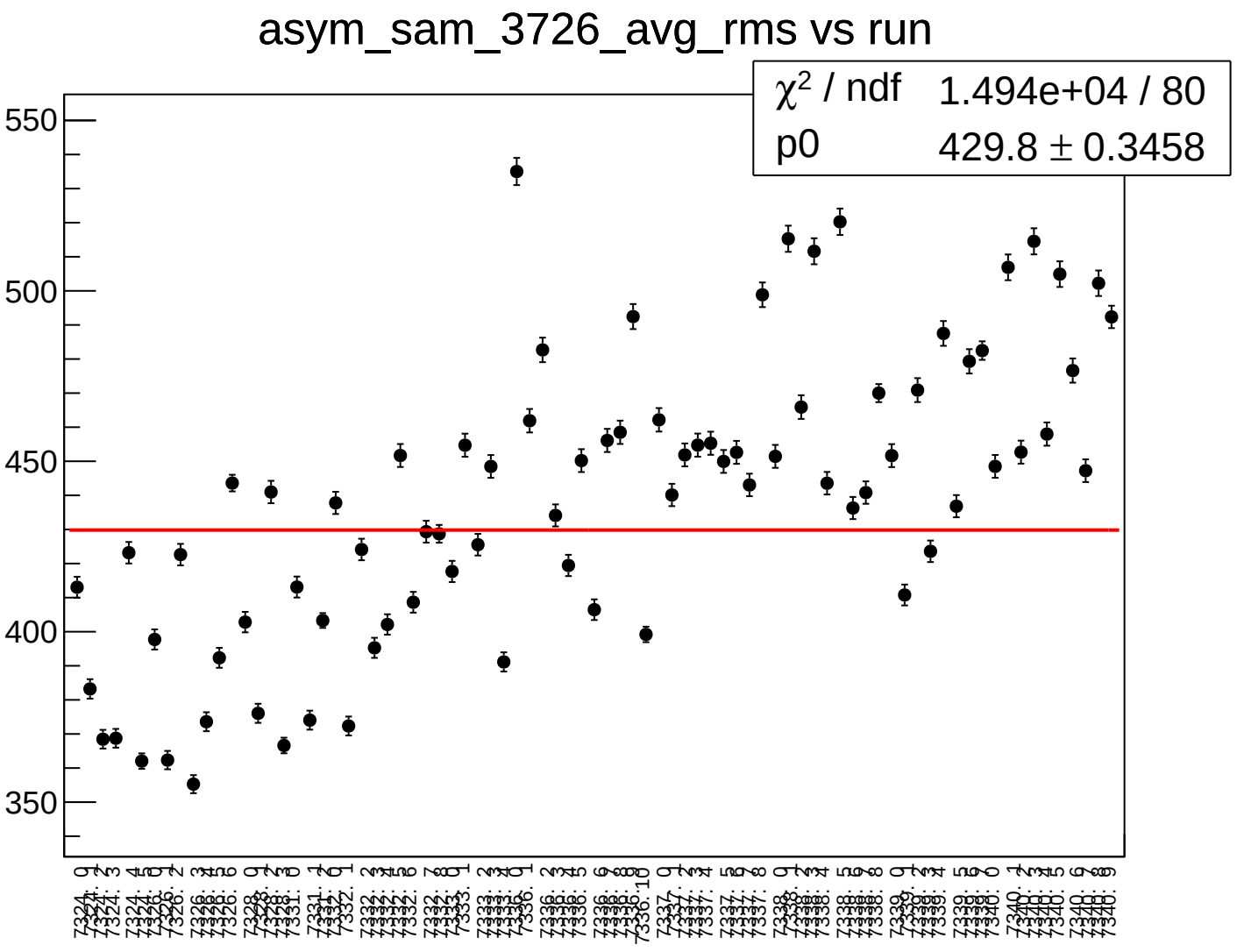

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 76.38 / 80
p0 −213.8 ± 489.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 425.1
Std Dev 354.8
2
1
0
−1
−2

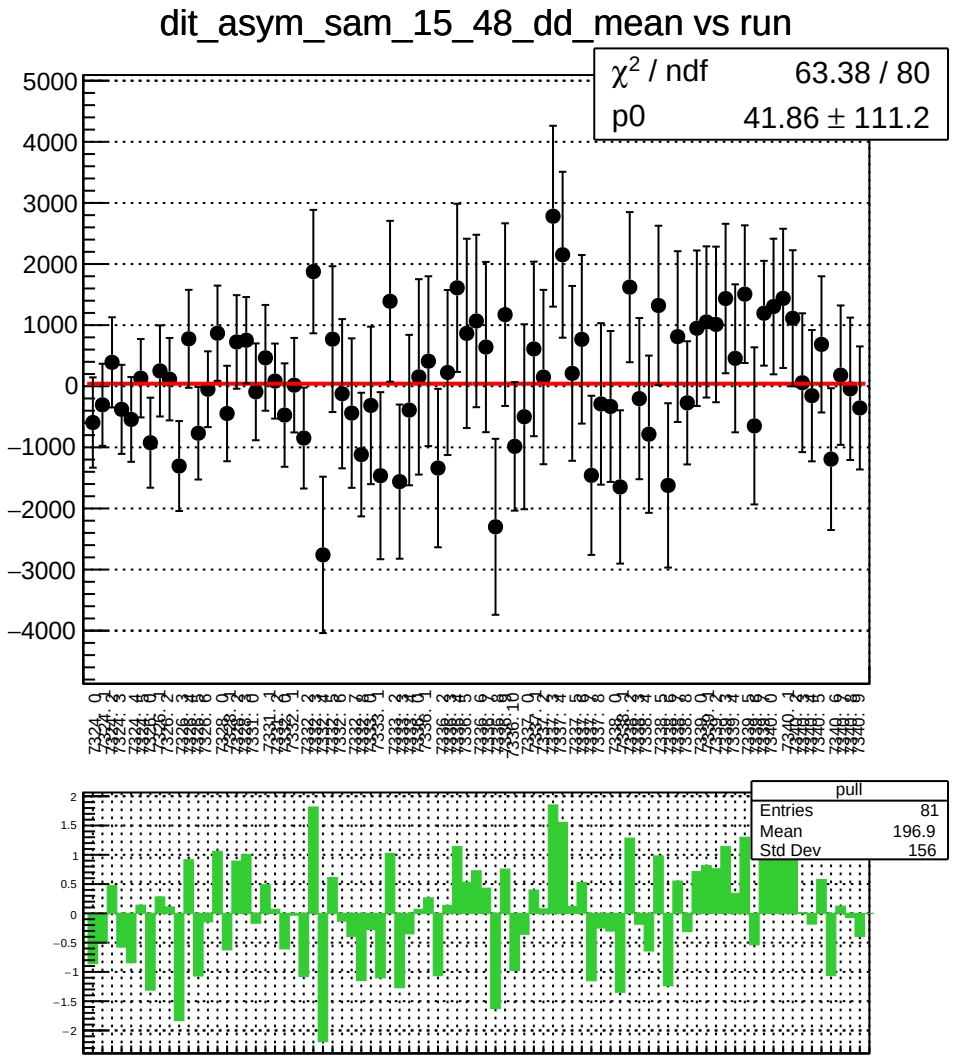

pull1D
Entries 81
Mean 0.003229
Std Dev 0.9711
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

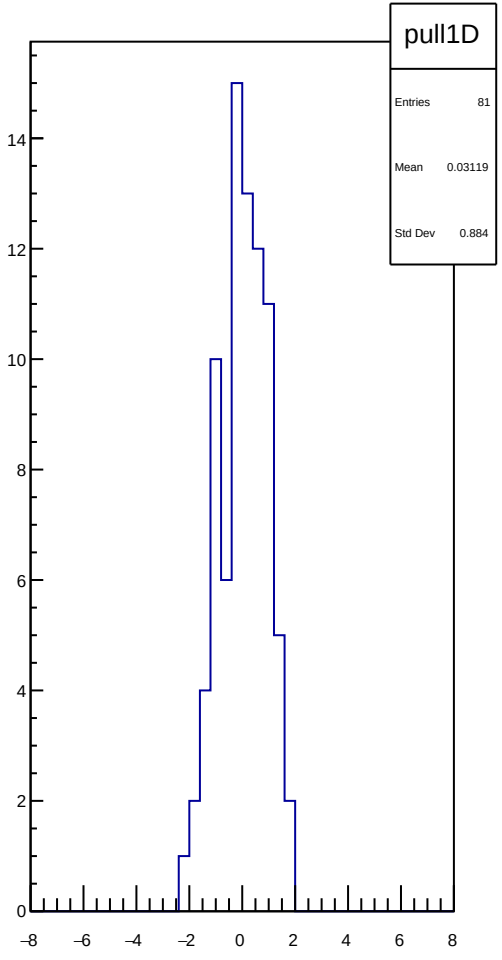

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3659 / 80
p0 432.1 ± 0.3463
500
480
460
440
420
400

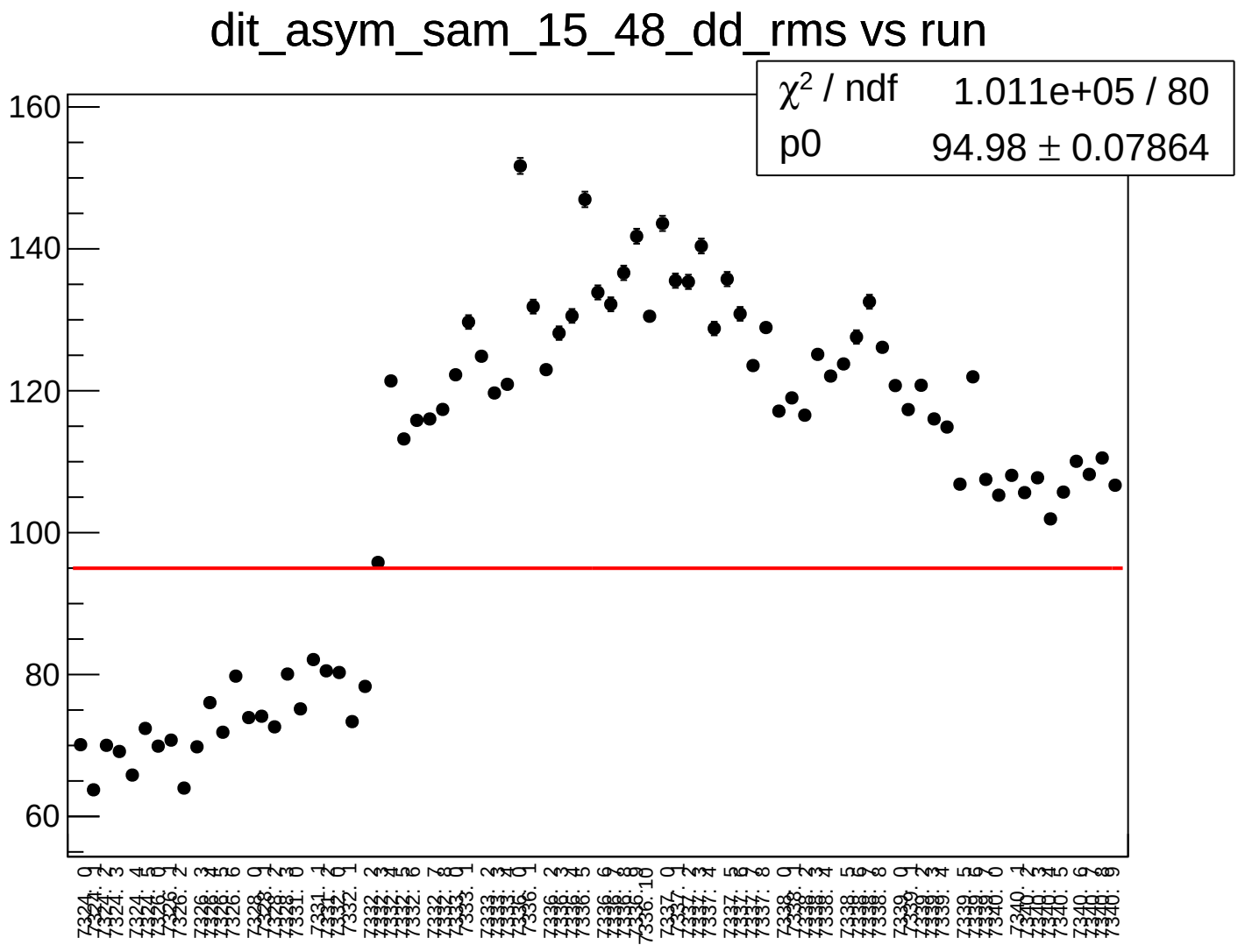

asym_sam_3726_avg_mean vs run
χ² / ndf 75.53 / 80
p0 94.78 ± 489
pull
Entries 81
Mean 261.8
Std Dev 195.9

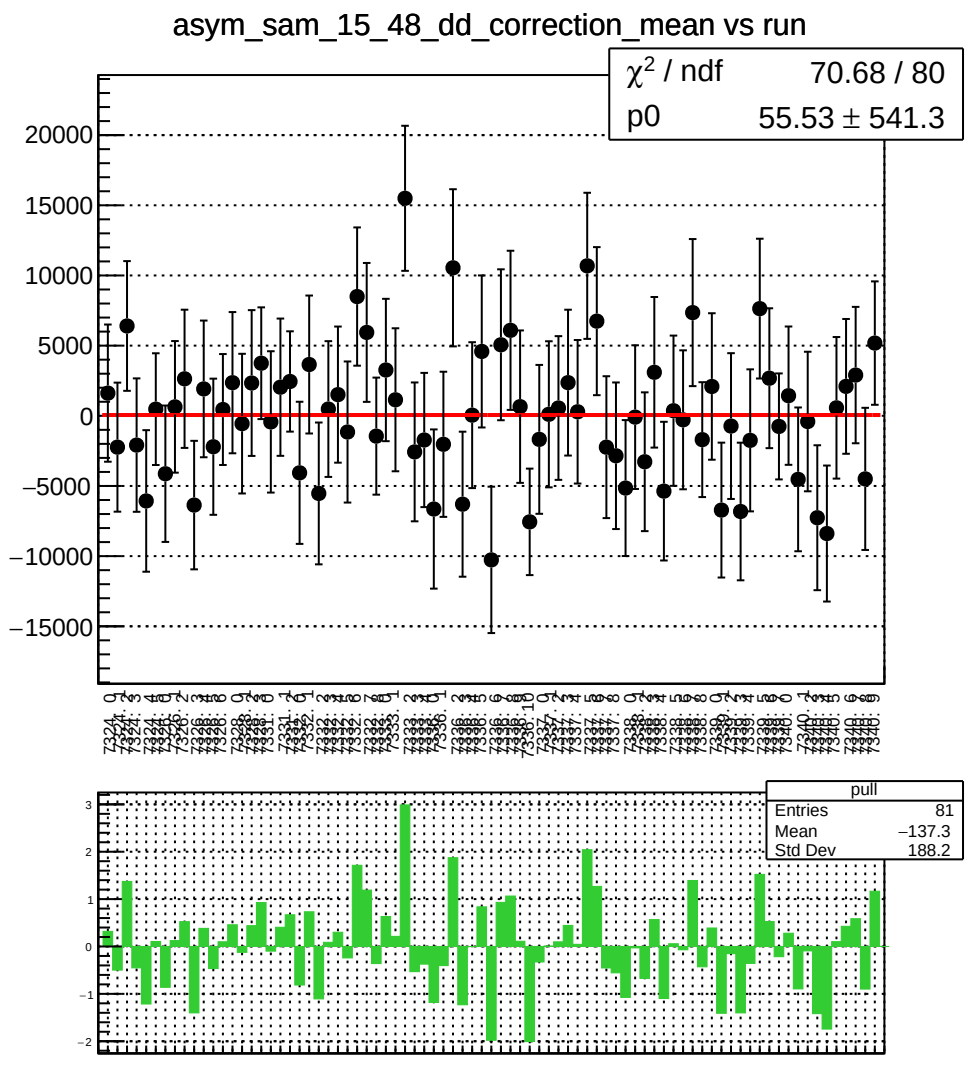

pull1D
Entries 81
Mean −0.007606
Std Dev 0.9656

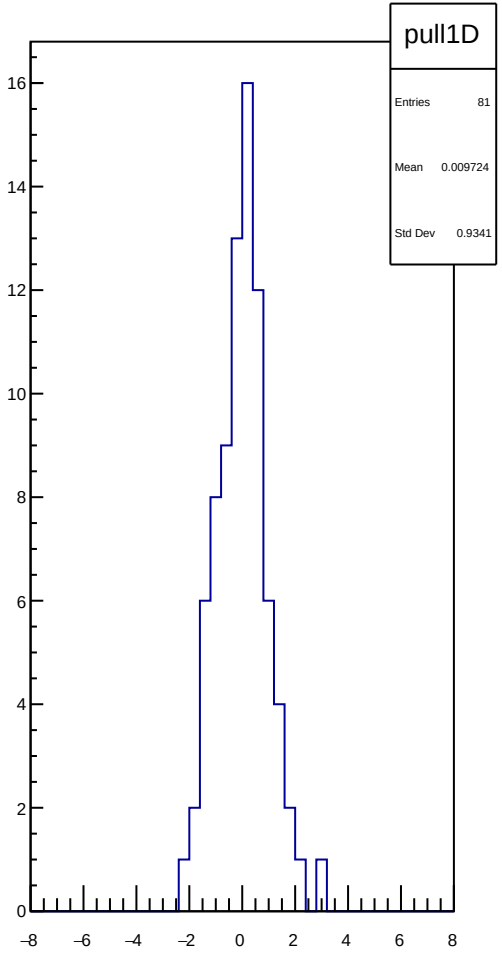

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.494e+04 / 80
p0 429.8 ± 0.3458
550
500
450
400
350

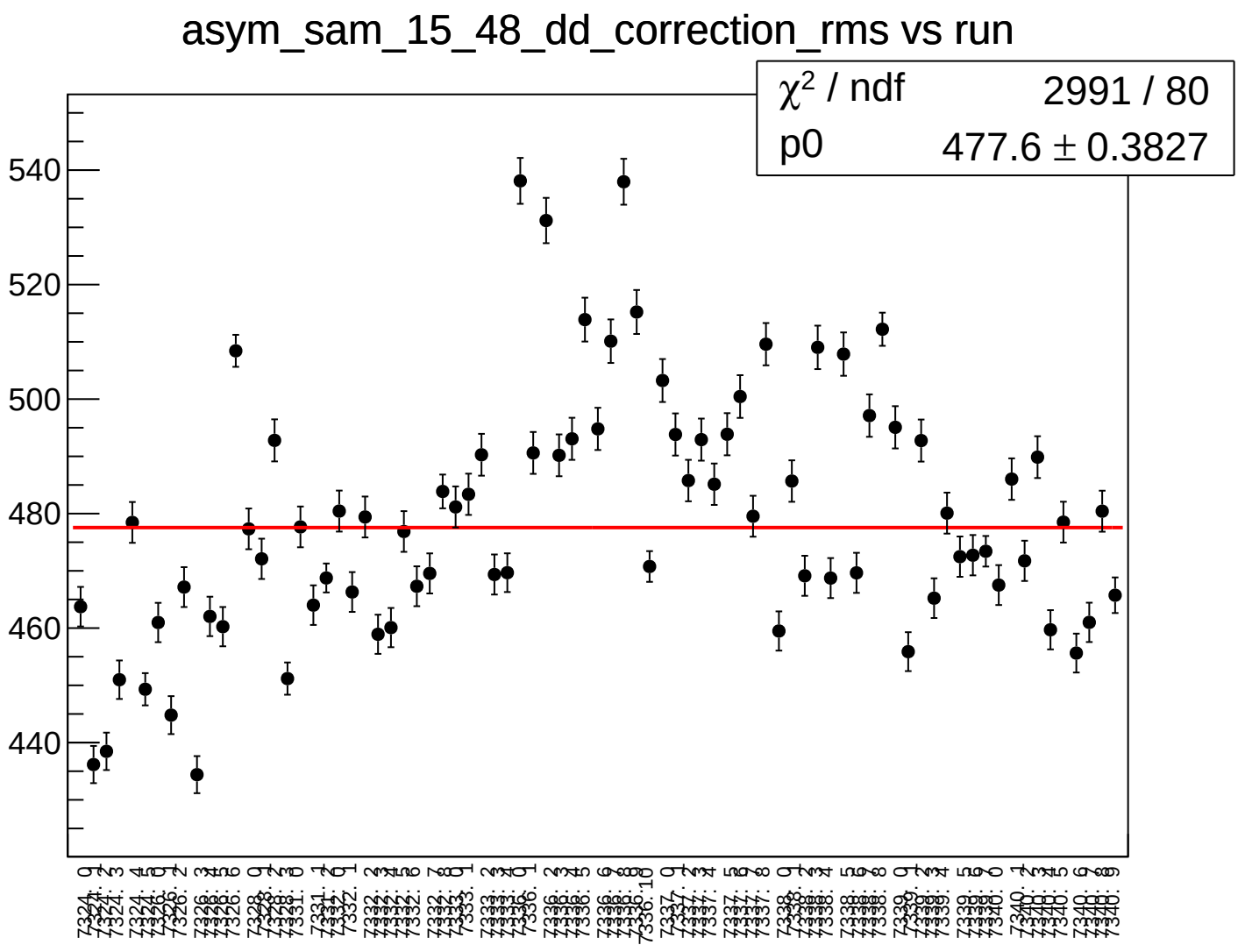

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.38 / 80
p0 41.86 ± 111.2
pull
Entries 81
Mean 196.9
Std Dev 156

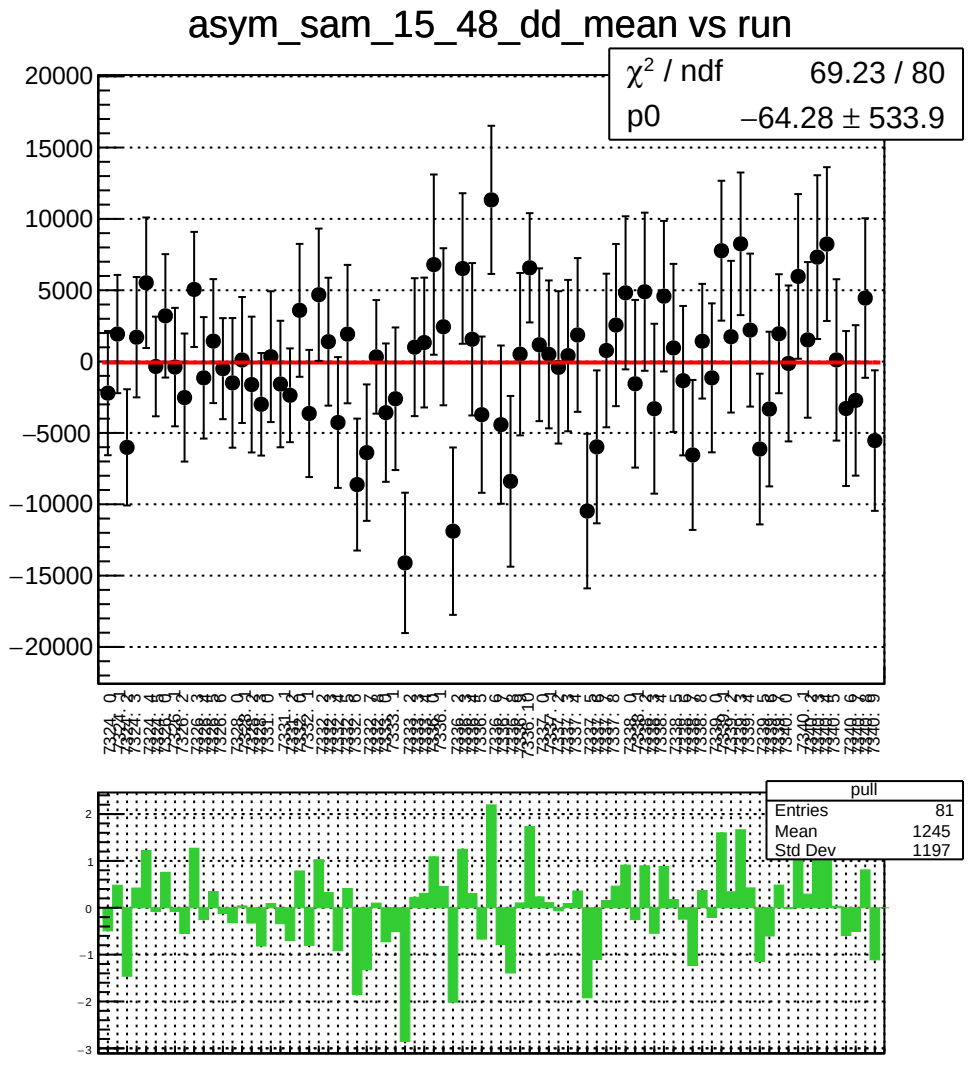

pull1D
Entries 81
Mean 0.03119
Std Dev 0.884

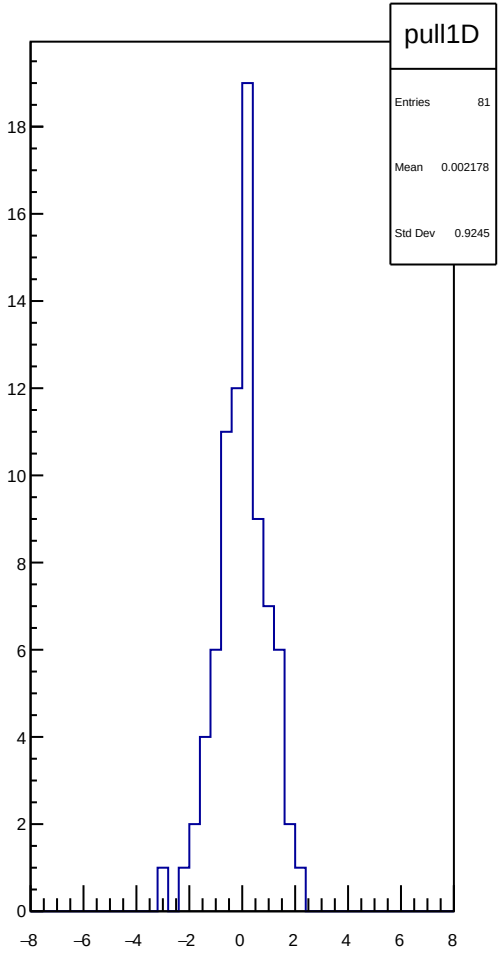

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.011e+05 / 80
p0 94.98 ± 0.07864
160
140
120
100
80
60

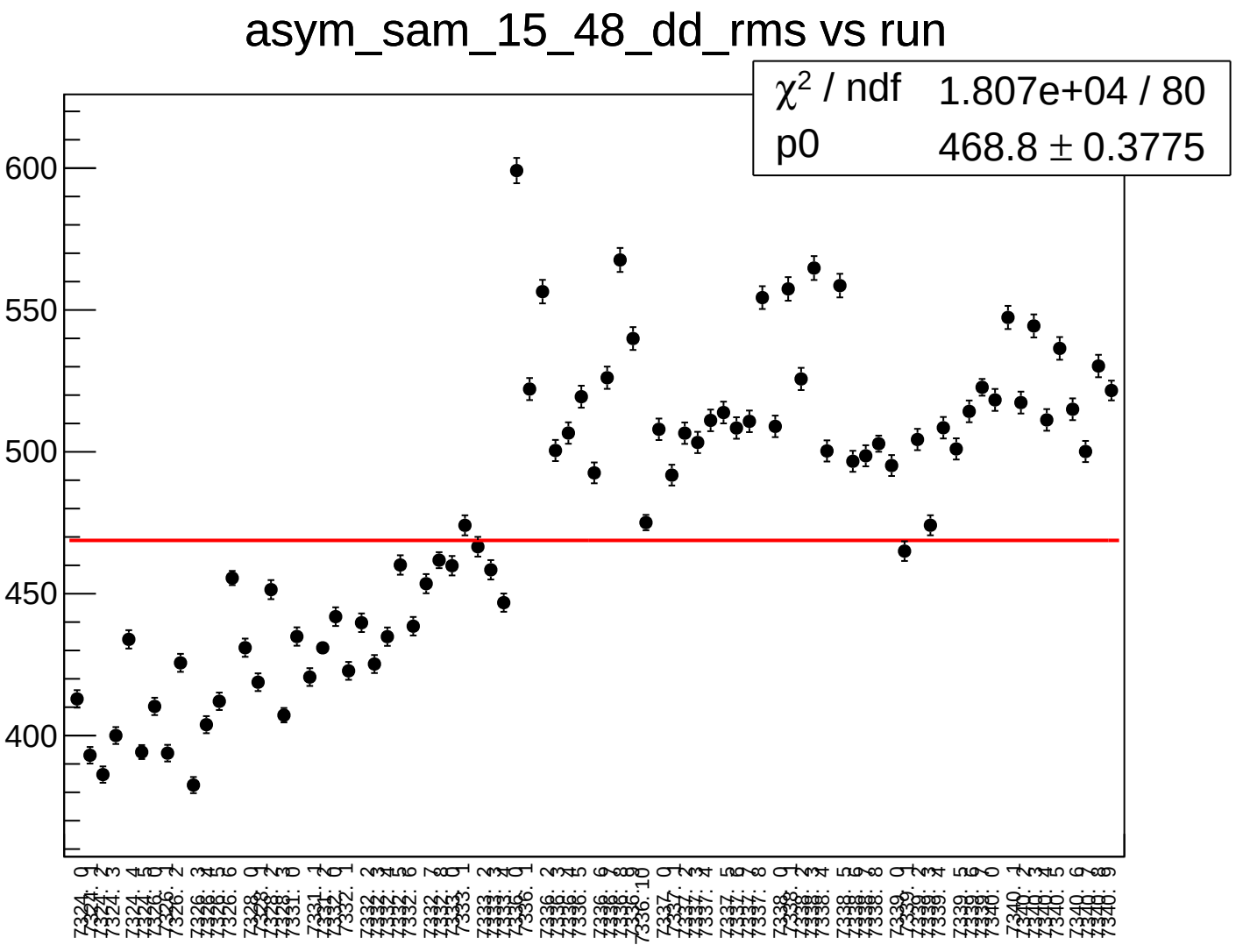

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 70.68 / 80
p0 55.53 ± 541.3
pull
Entries 81
Mean −137.3
Std Dev 188.2

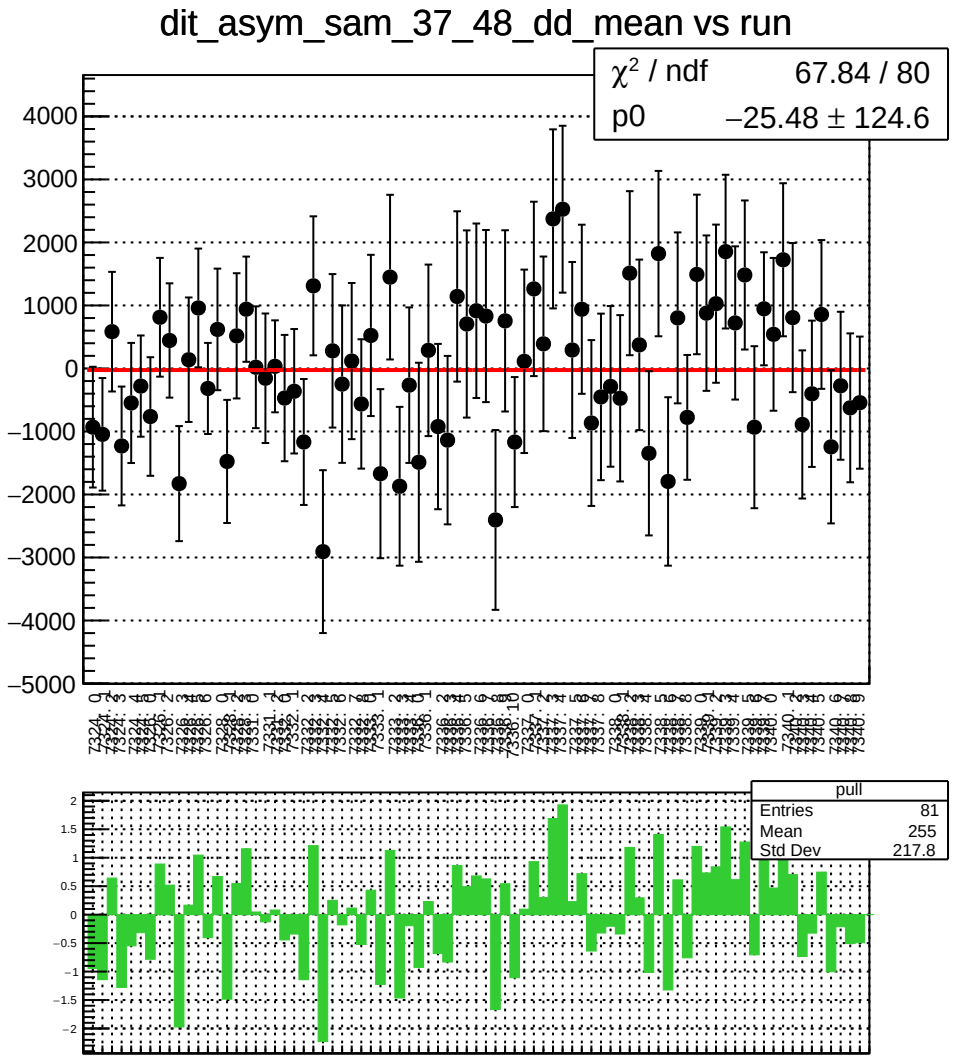

pull1D
Entries 81
Mean 0.009724
Std Dev 0.9341

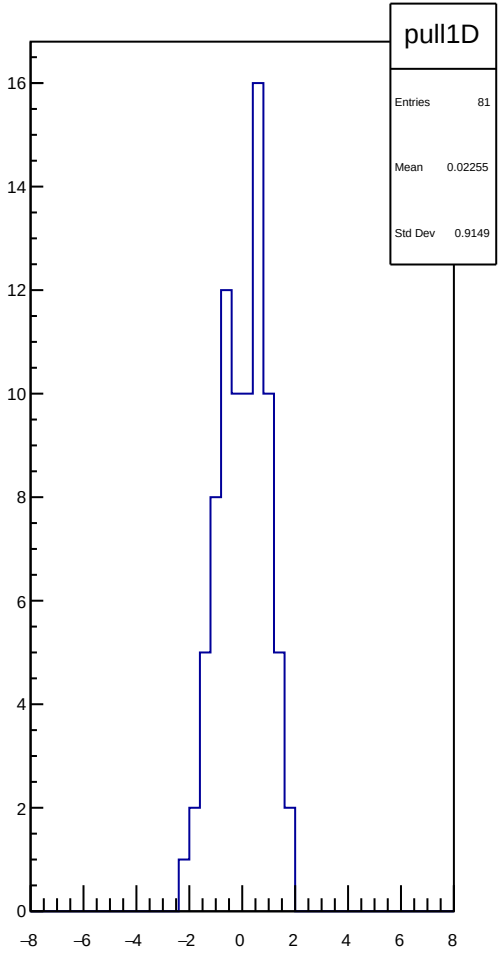

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2991 / 80
p0 477.6 ± 0.3827
540
520
500
480
460
440

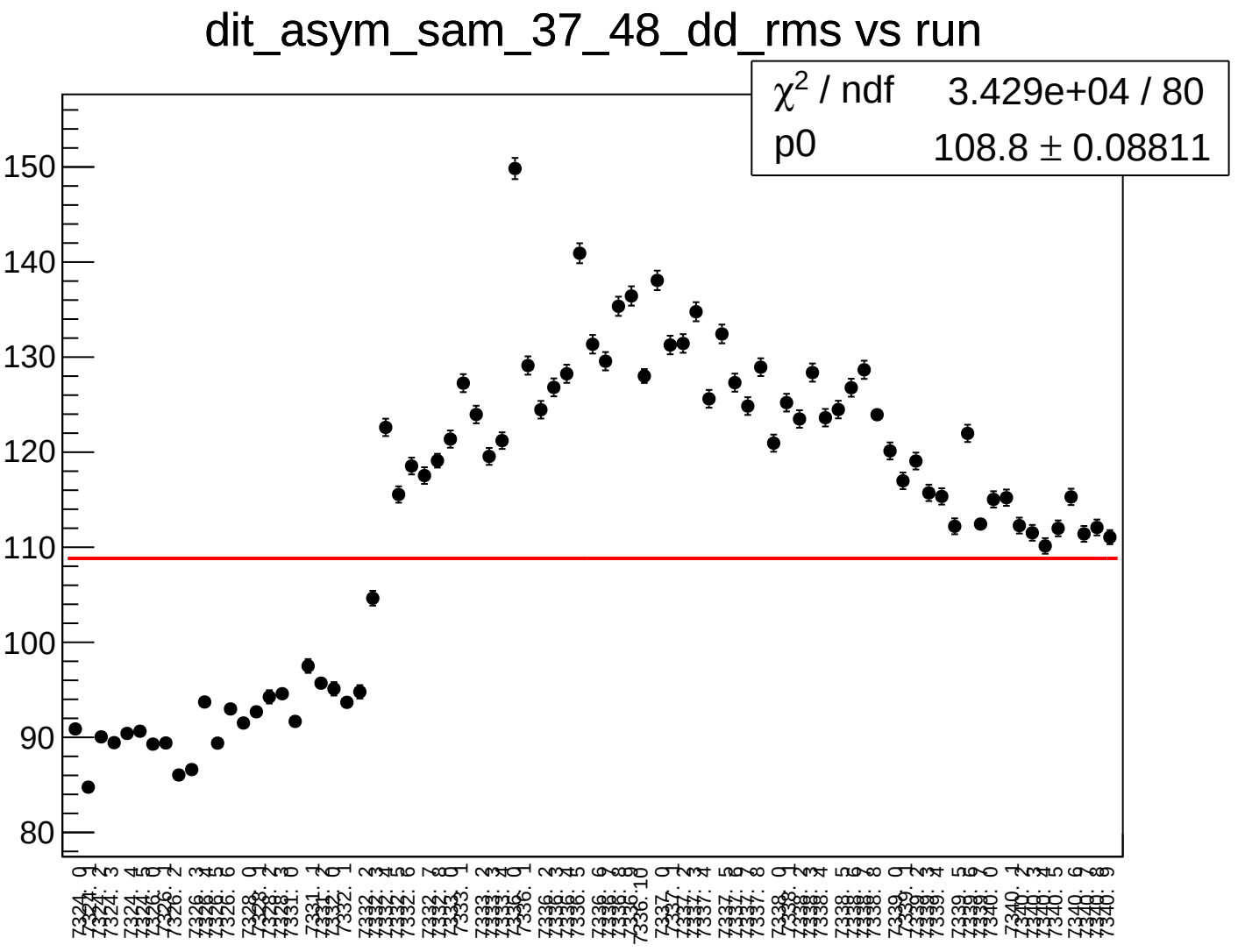

asym_sam_15_48_dd_mean vs run
χ² / ndf 69.23 / 80
p0 −64.28 ± 533.9
pull
Entries 81
Mean 1245
Std Dev 1197

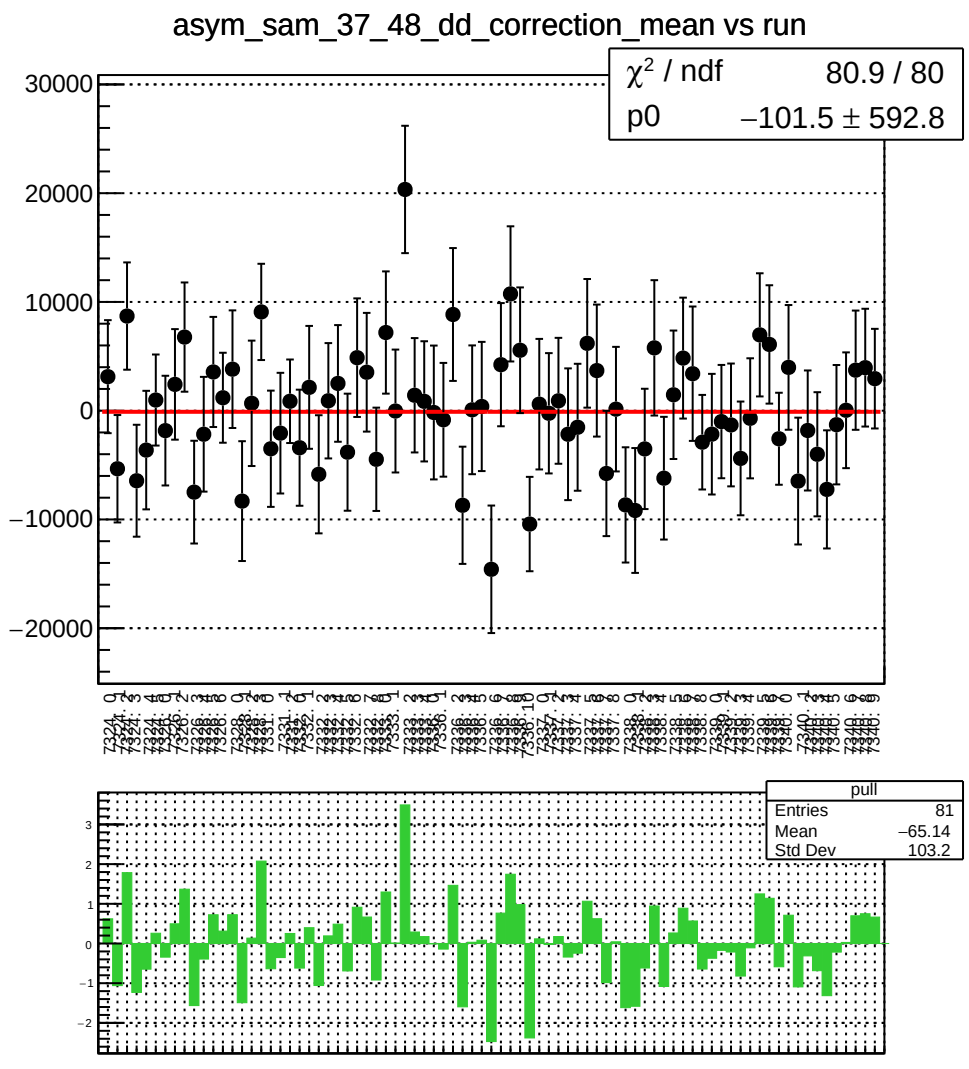

pull1D
Entries 81
Mean 0.002178
Std Dev 0.9245

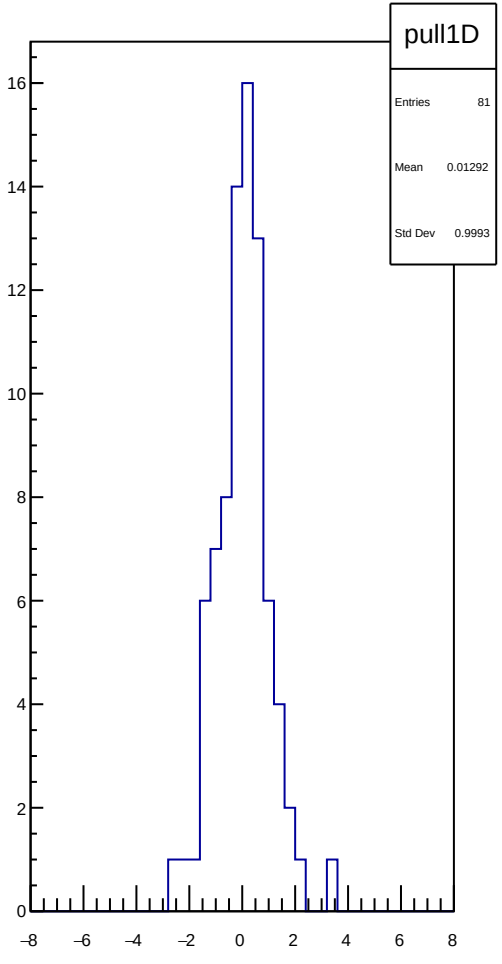

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.807e+04 / 80
p0 468.8 ± 0.3775
600
550
500
450
400

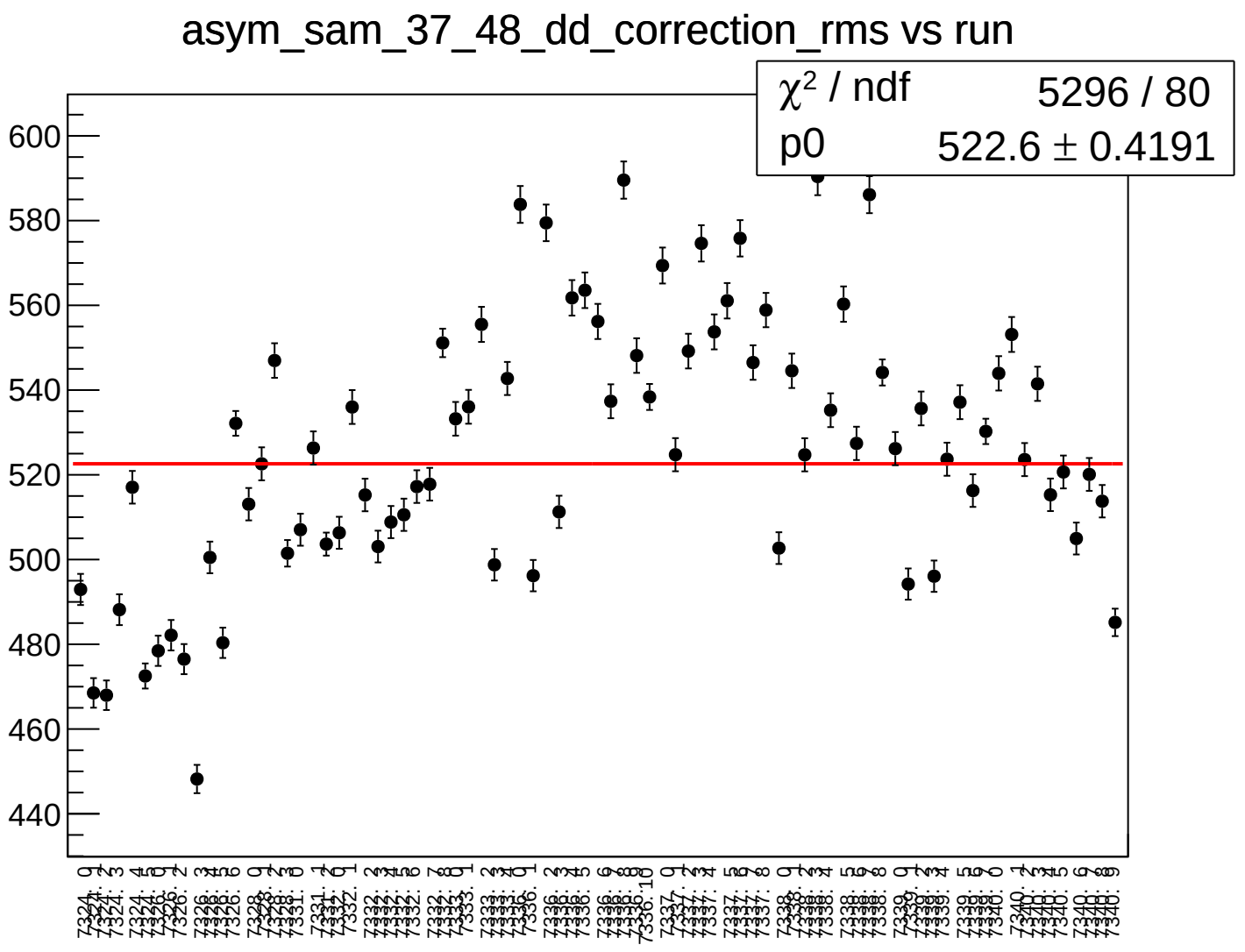

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 67.84 / 80
p0 −25.48 ± 124.6
pull
Entries 81
Mean 255
Std Dev 217.8

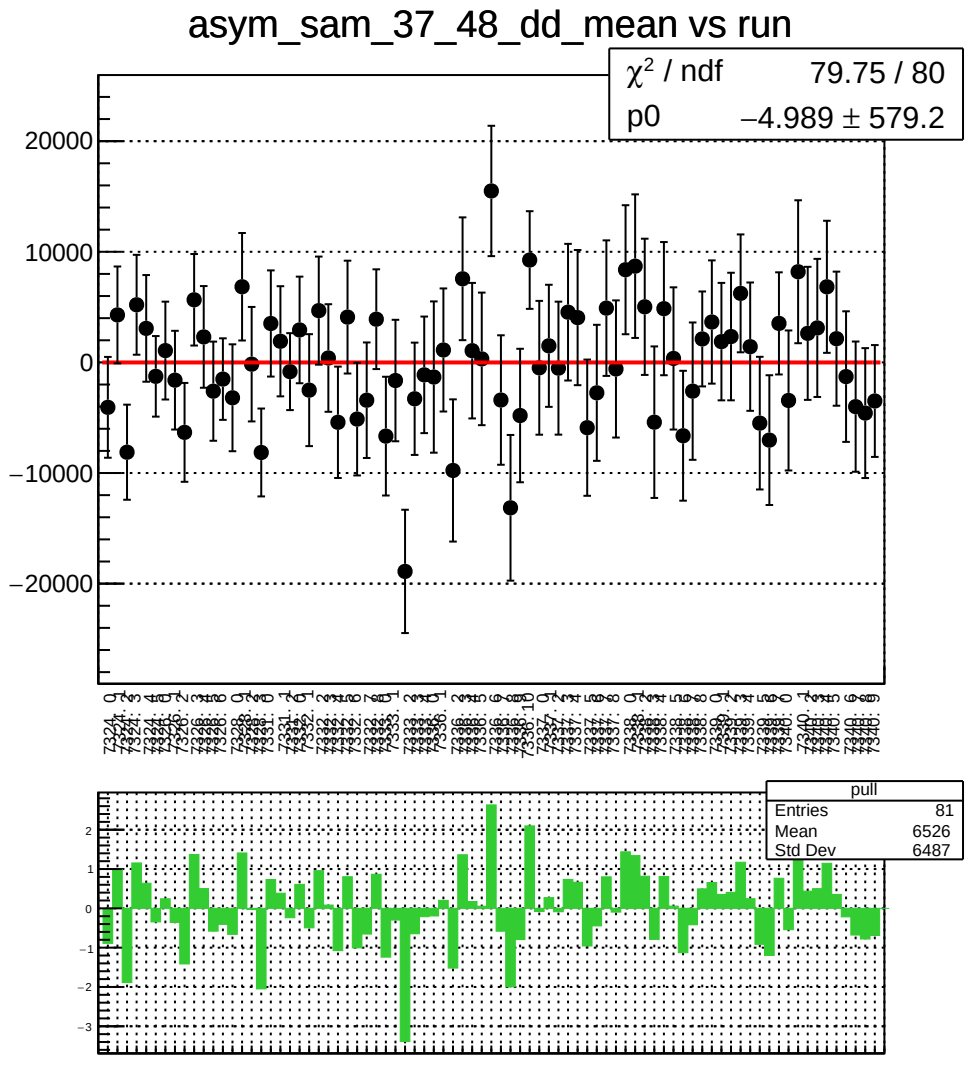

pull1D
Entries 81
Mean 0.02255
Std Dev 0.9149

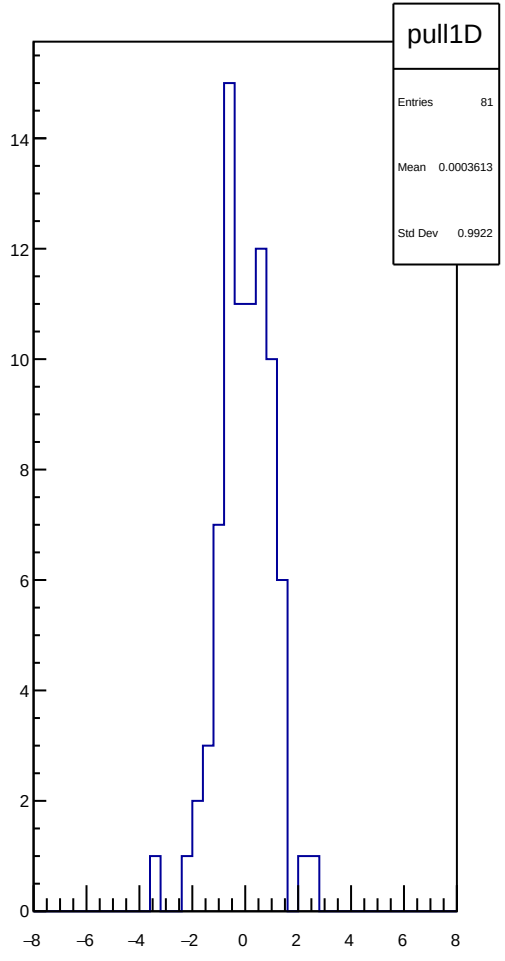

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3.429e+04 / 80
p0 108.8 ± 0.08811
150
140
130
120
110
100
90
80

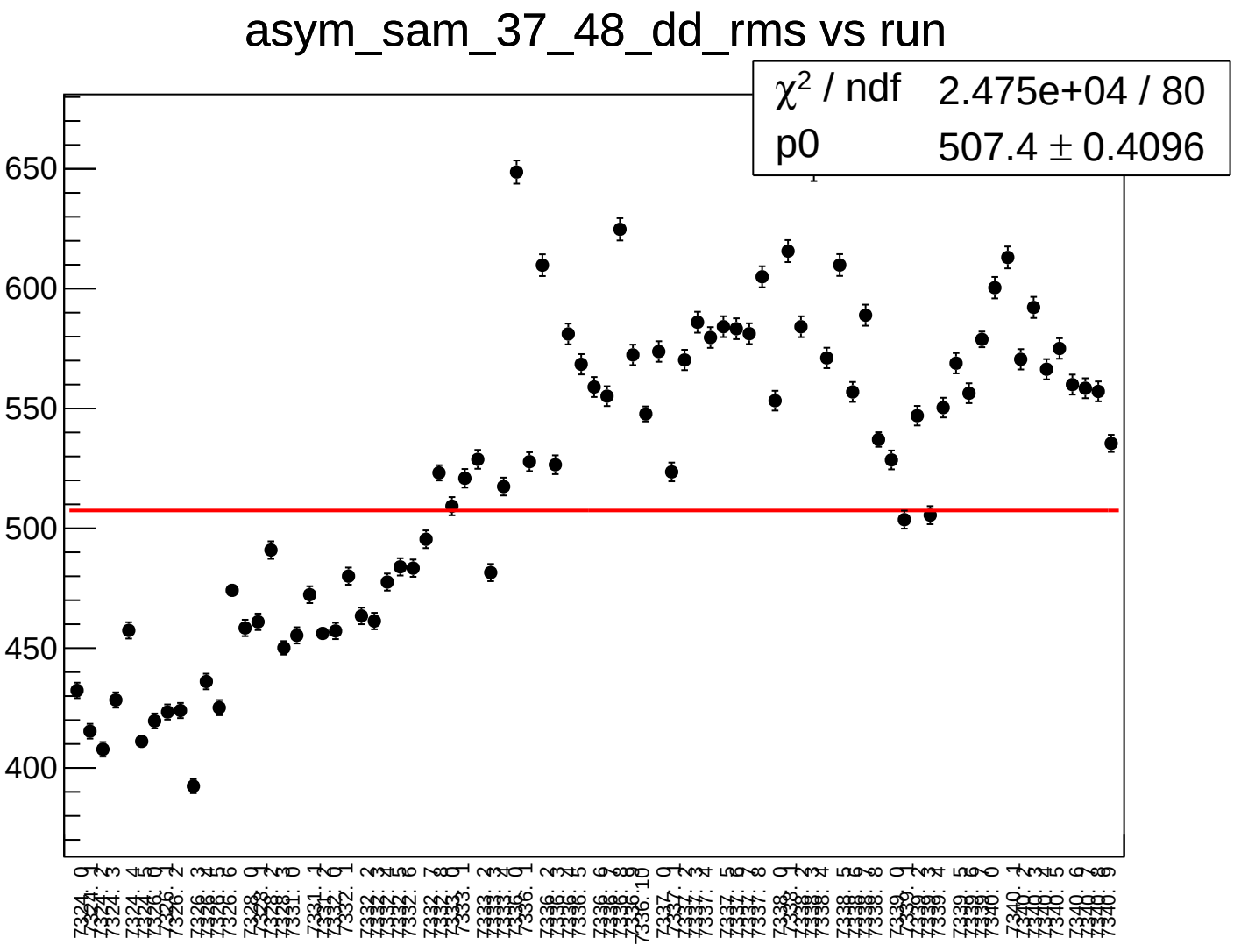

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 80.9 / 80
p0 −101.5 ± 592.8
pull
Entries 81
Mean −65.14
Std Dev 103.2

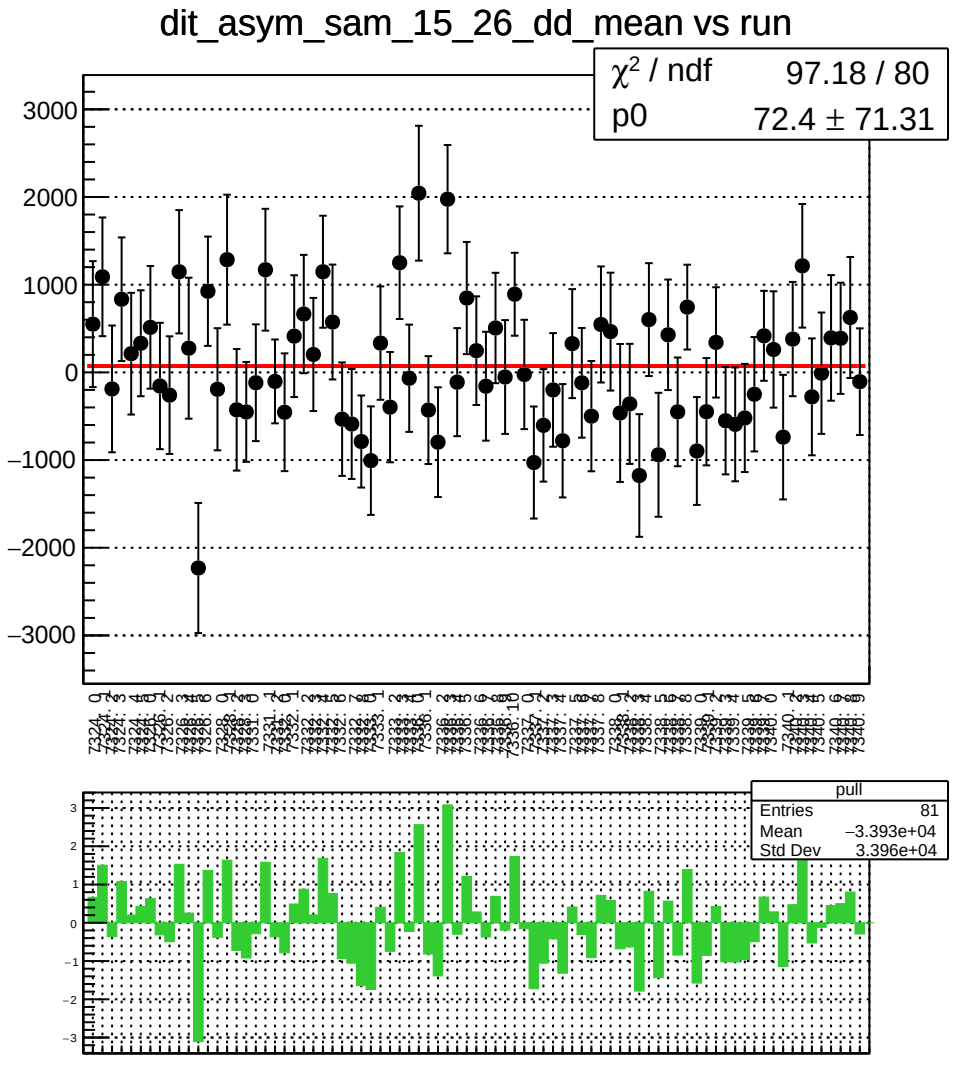

pull1D
Entries 81
Mean 0.01292
Std Dev 0.9993

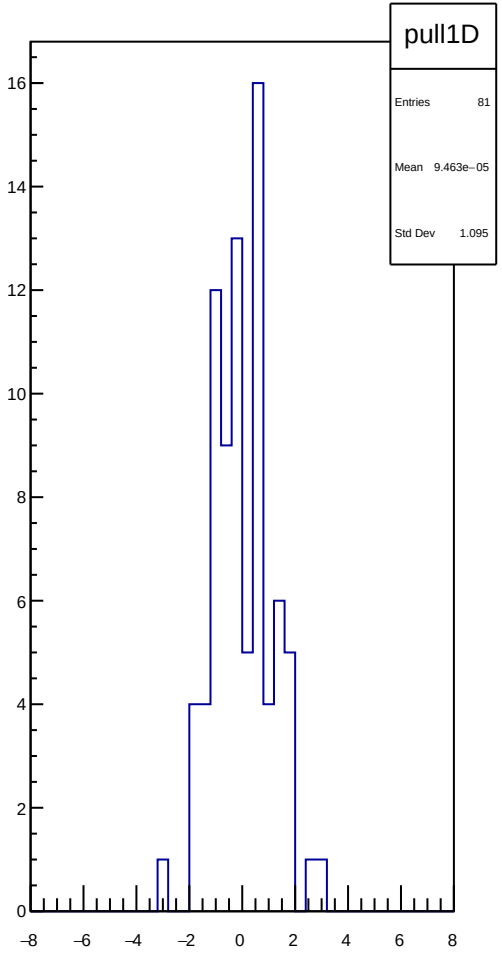

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5296 / 80
p0 522.6 ± 0.4191
600
580
560
540
520
500
480
460
440

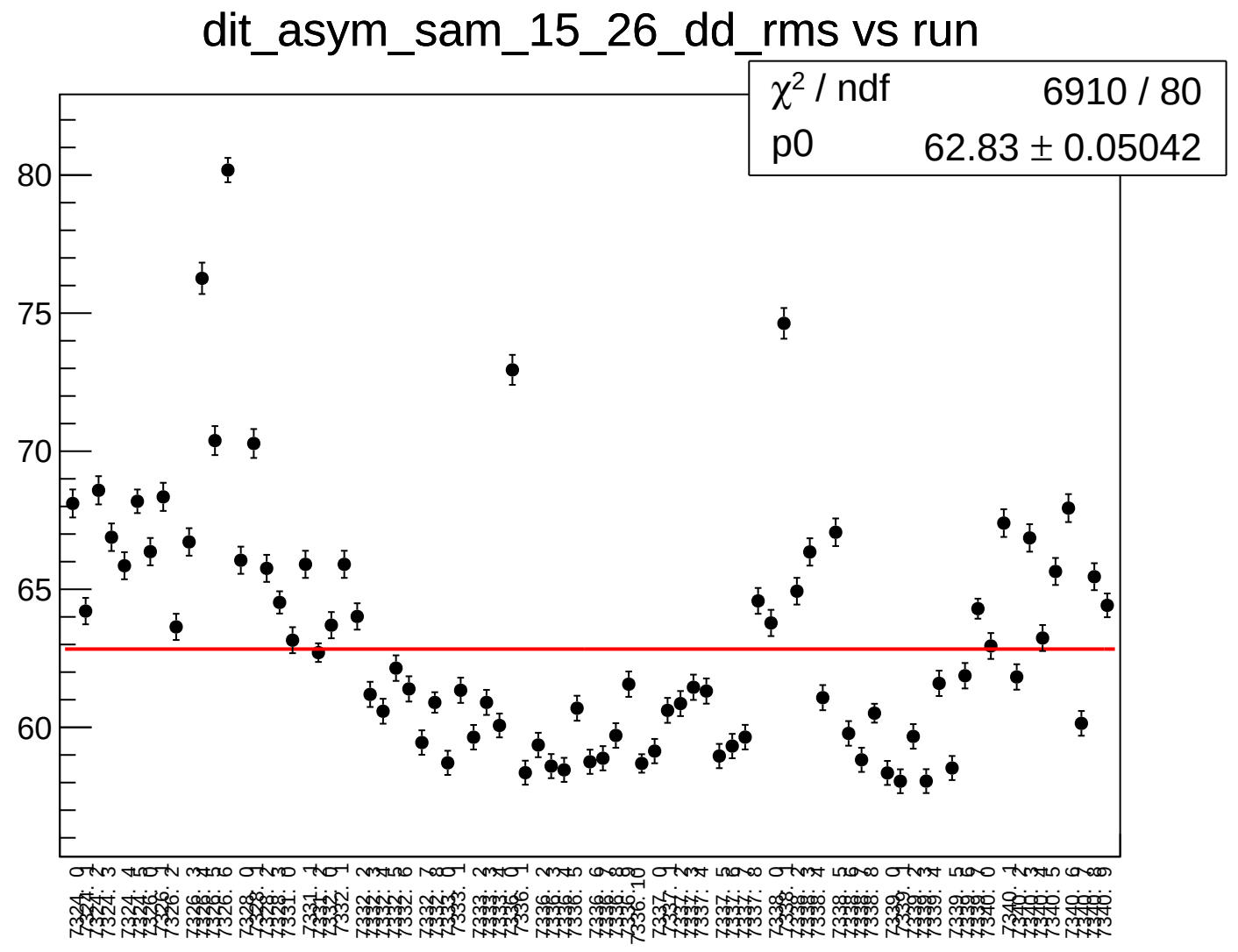

asym_sam_37_48_dd_mean vs run
χ² / ndf 79.75 / 80
p0 −4.989 ± 579.2
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 6526
Std Dev 6487
2
1
0
−1
−2
−3

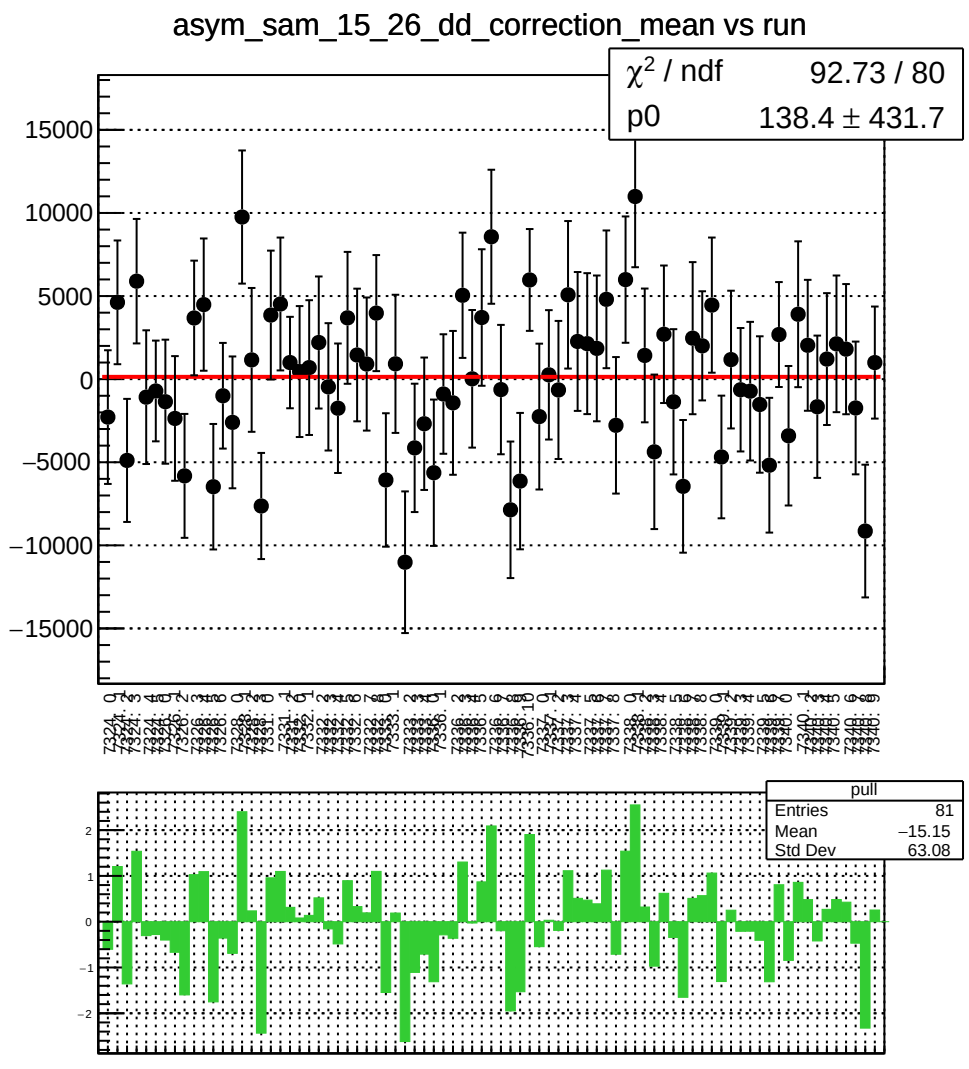

pull1D
Entries 81
Mean 0.0003613
Std Dev 0.9922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

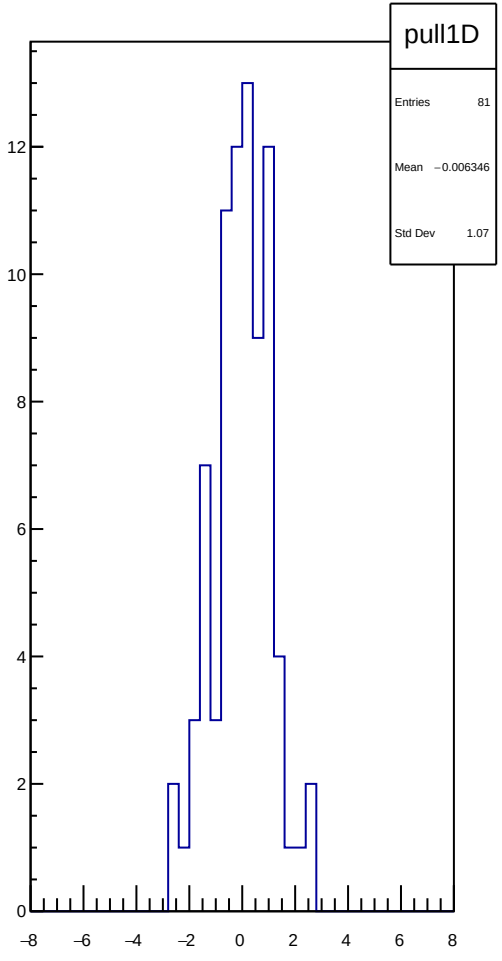

asym_sam_37_48_dd_rms vs run
χ² / ndf 2.475e+04 / 80
p0 507.4 ± 0.4096
650
600
550
500
450
400

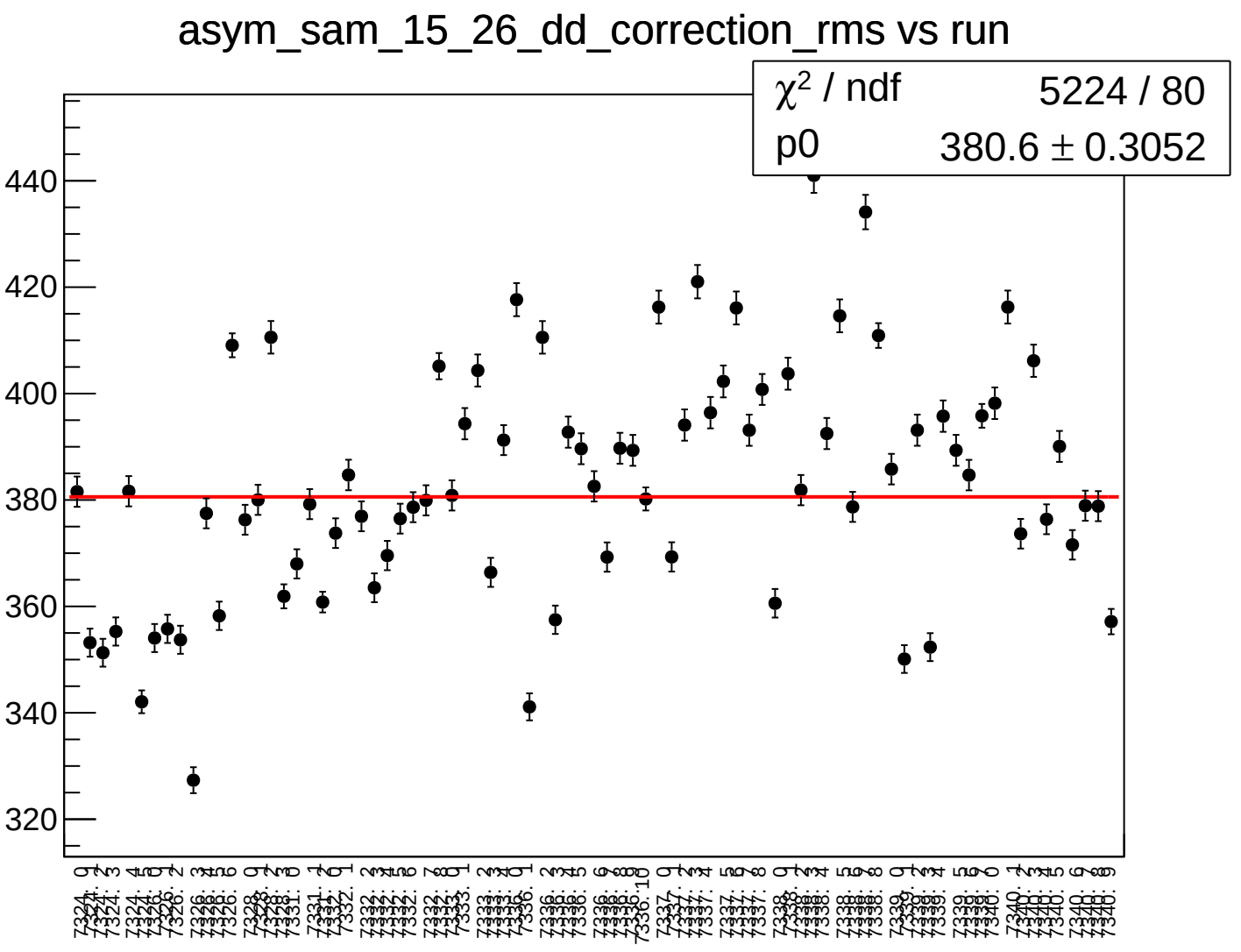

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 97.18 / 80
p0 72.4 ± 71.31
pull
Entries 81
Mean −3.393e+04
Std Dev 3.396e+04

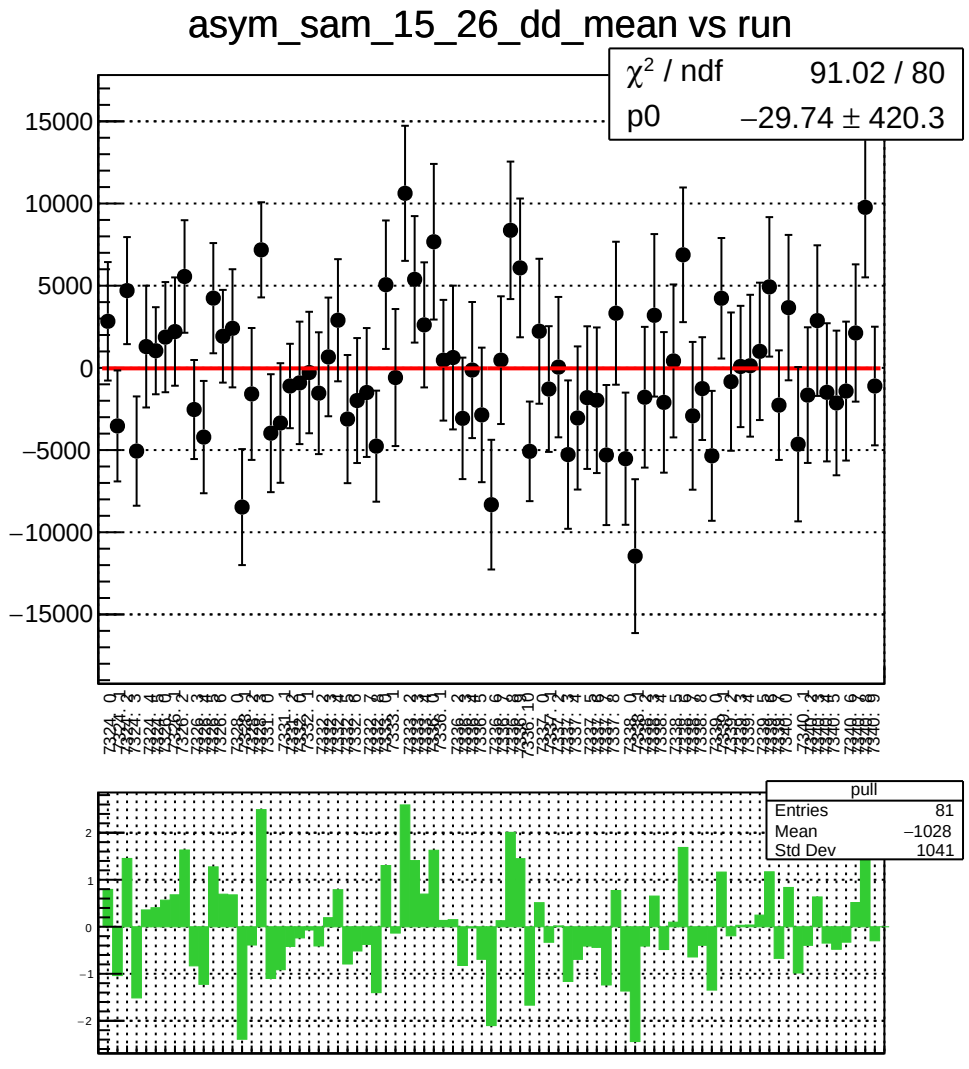

pull1D
Entries 81
Mean 9.463e−05
Std Dev 1.095

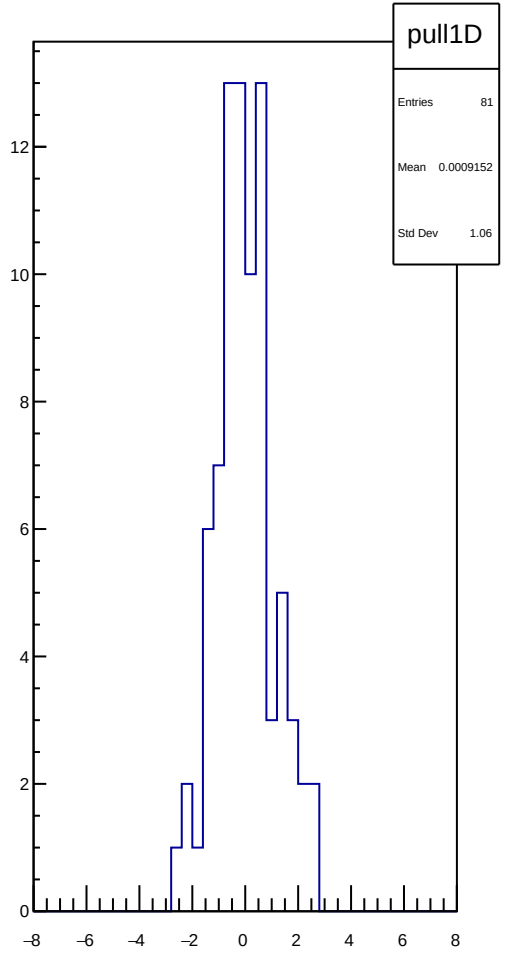

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 6910 / 80
p0 62.83 ± 0.05042
80
75
70
65
60

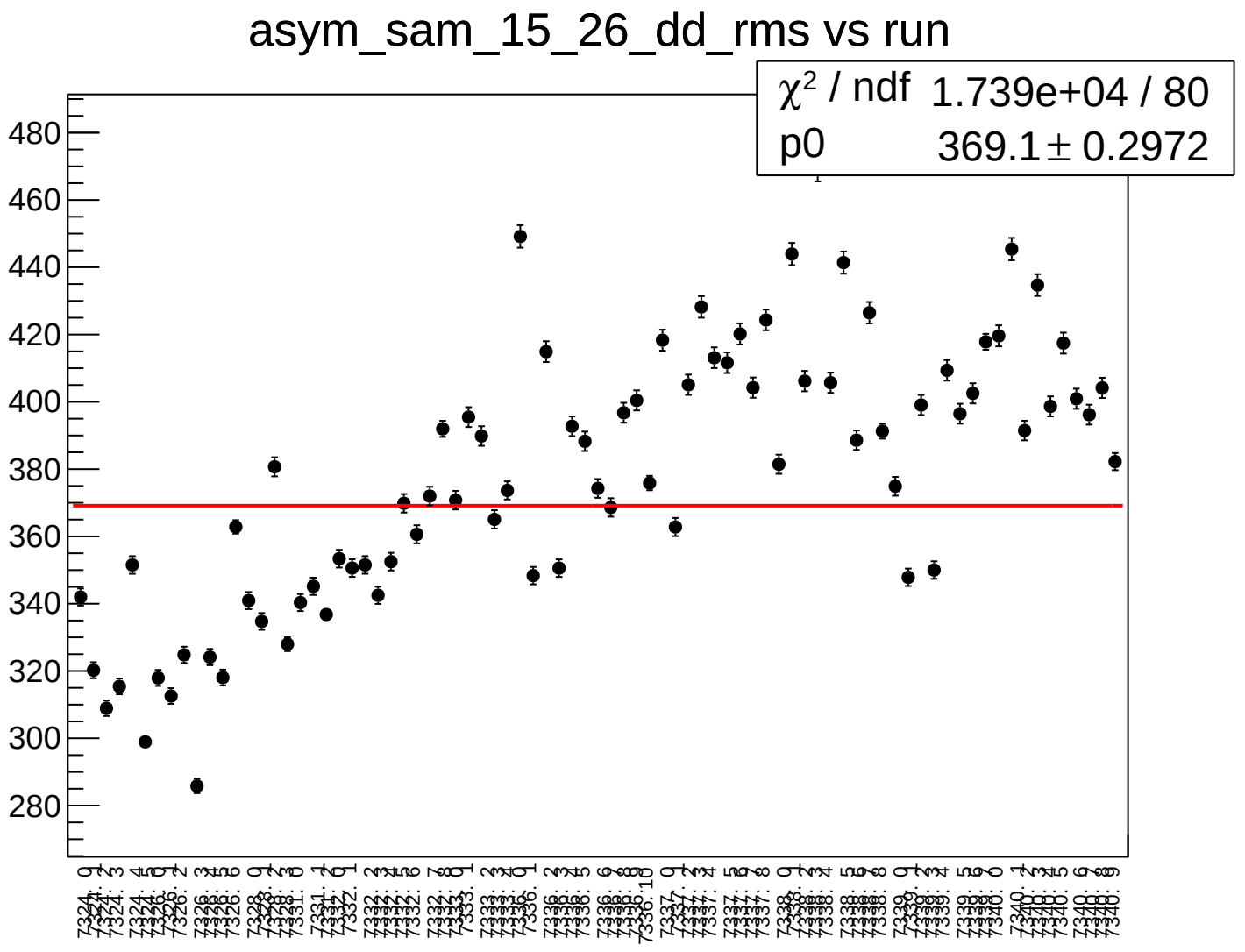

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 92.73 / 80
p0 138.4 ± 431.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −15.15
Std Dev 63.08
2
1
0
−1
−2

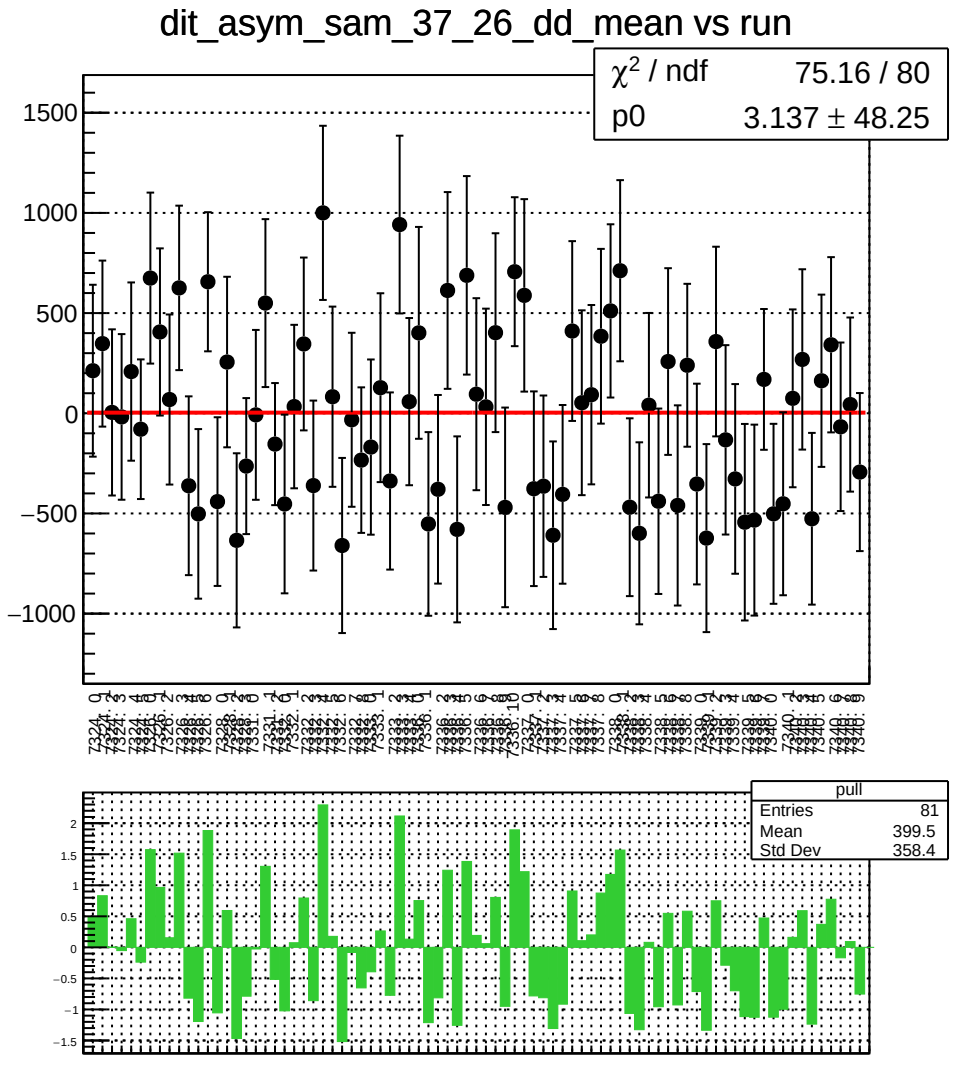

pull1D
Entries 81
Mean −0.006346
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

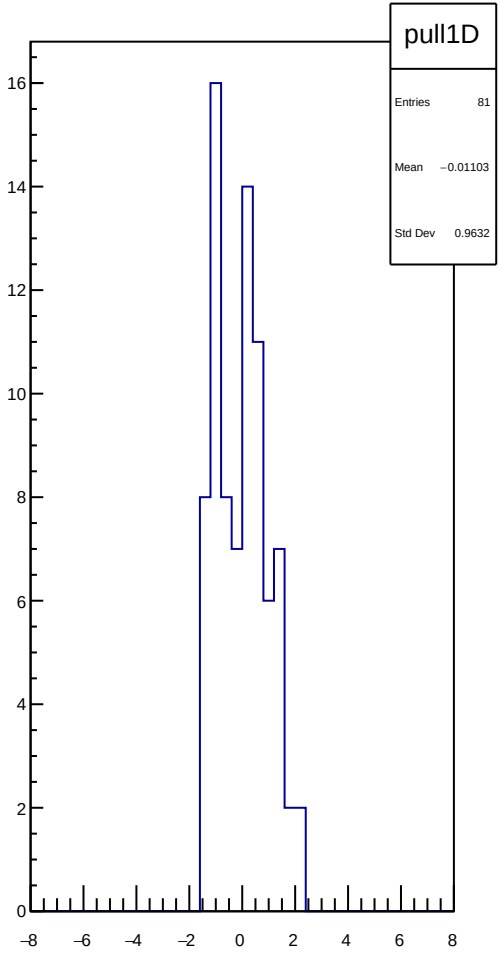

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 5224 / 80
p0 380.6 ± 0.3052
440
420
400
380
360
340
320

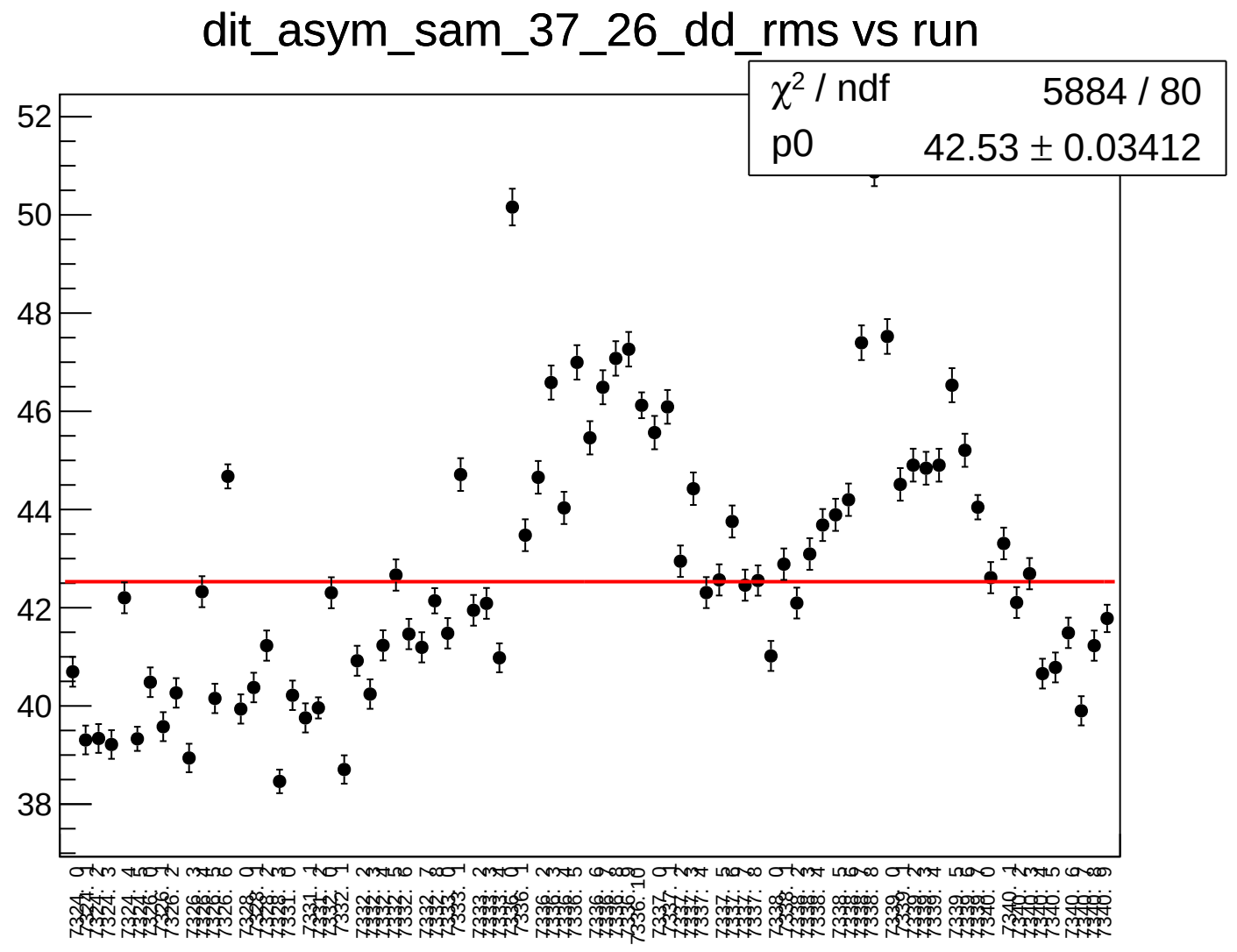

asym_sam_15_26_dd_mean vs run
χ² / ndf 91.02 / 80
p0 −29.74 ± 420.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −1028
Std Dev 1041
2
1
0
−1
−2

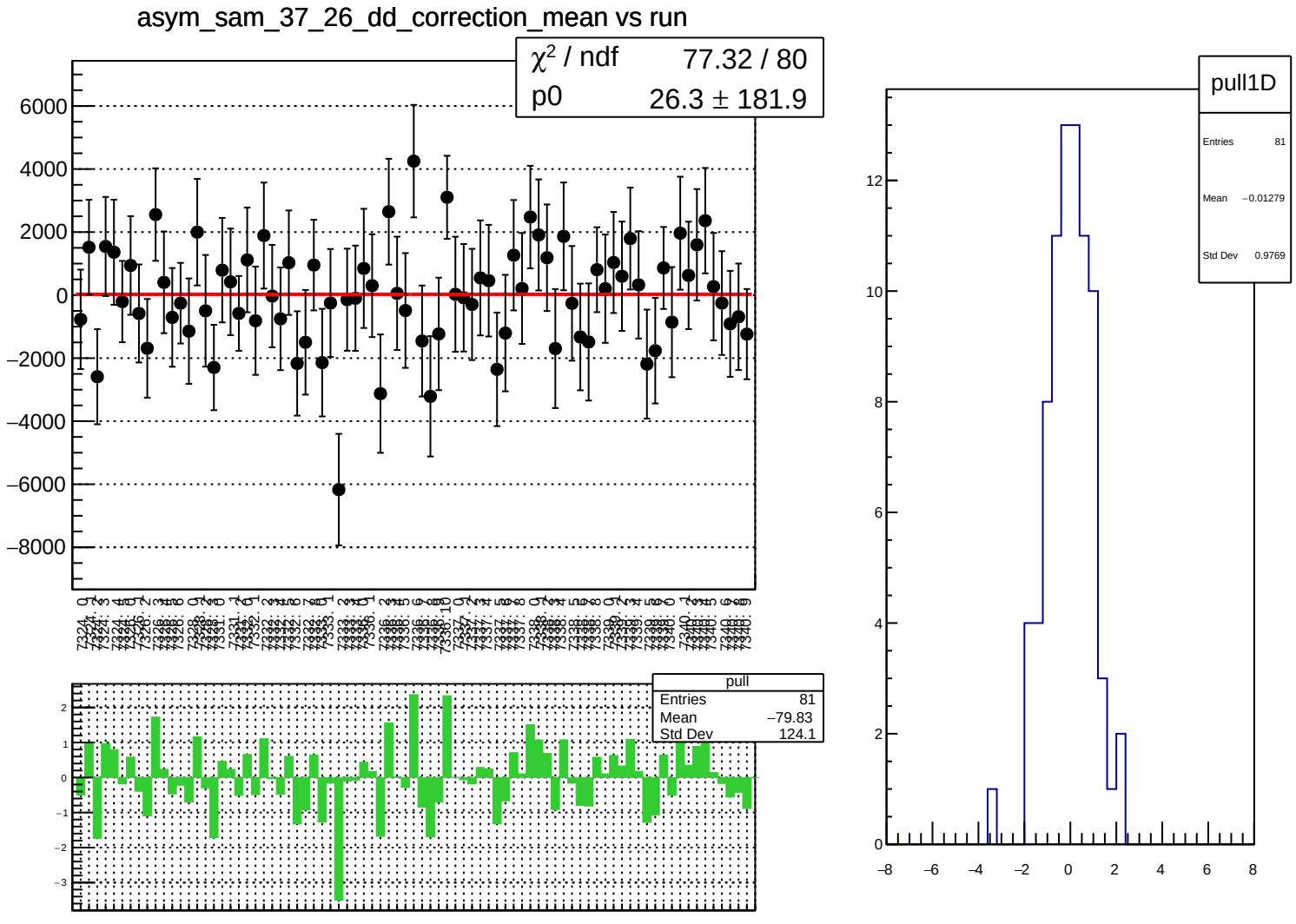

pull1D
Entries 81
Mean 0.0009152
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

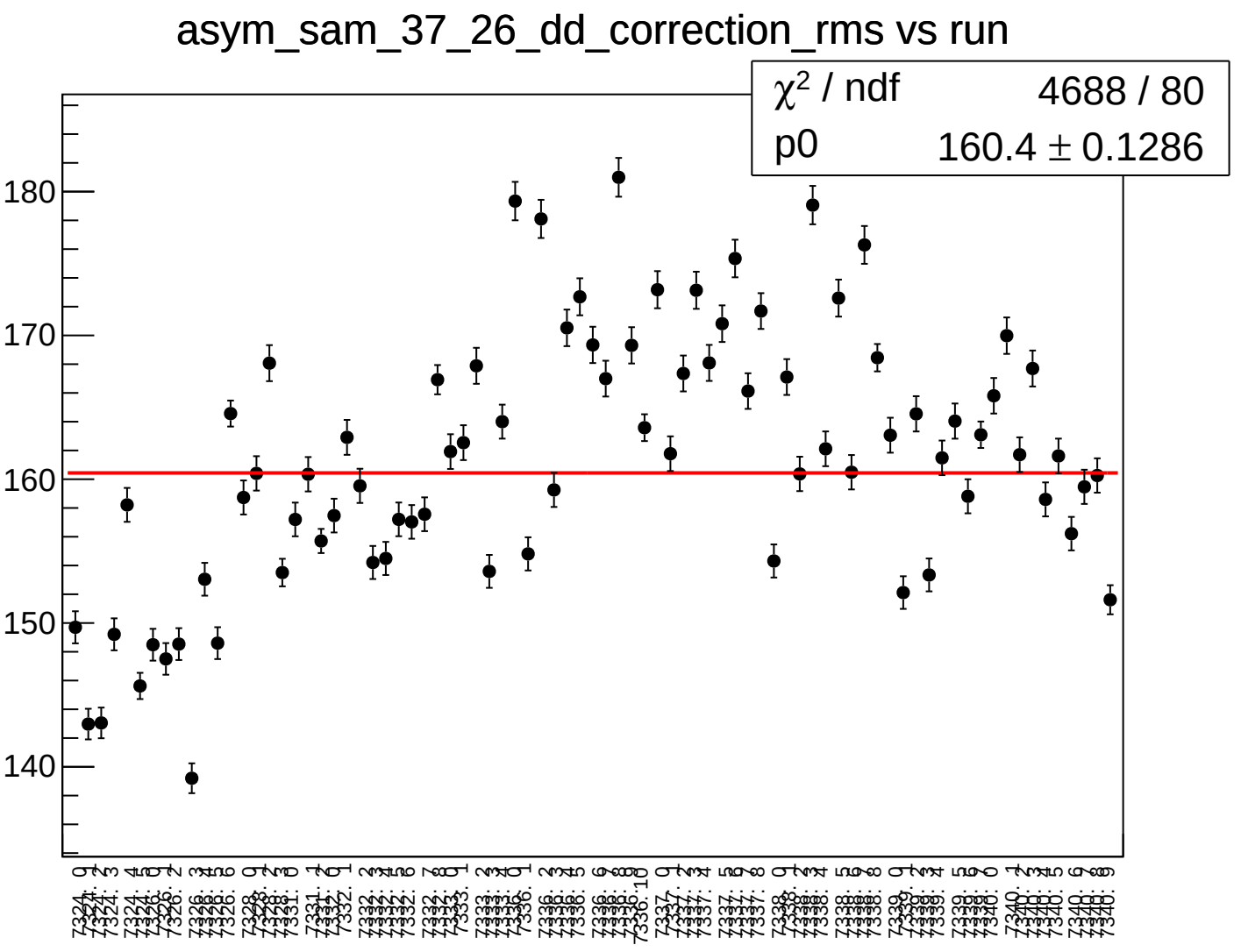

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.739e+04 / 80
p0 369.1 ± 0.2972
480
460
440
420
400
380
360
340
320
300
280

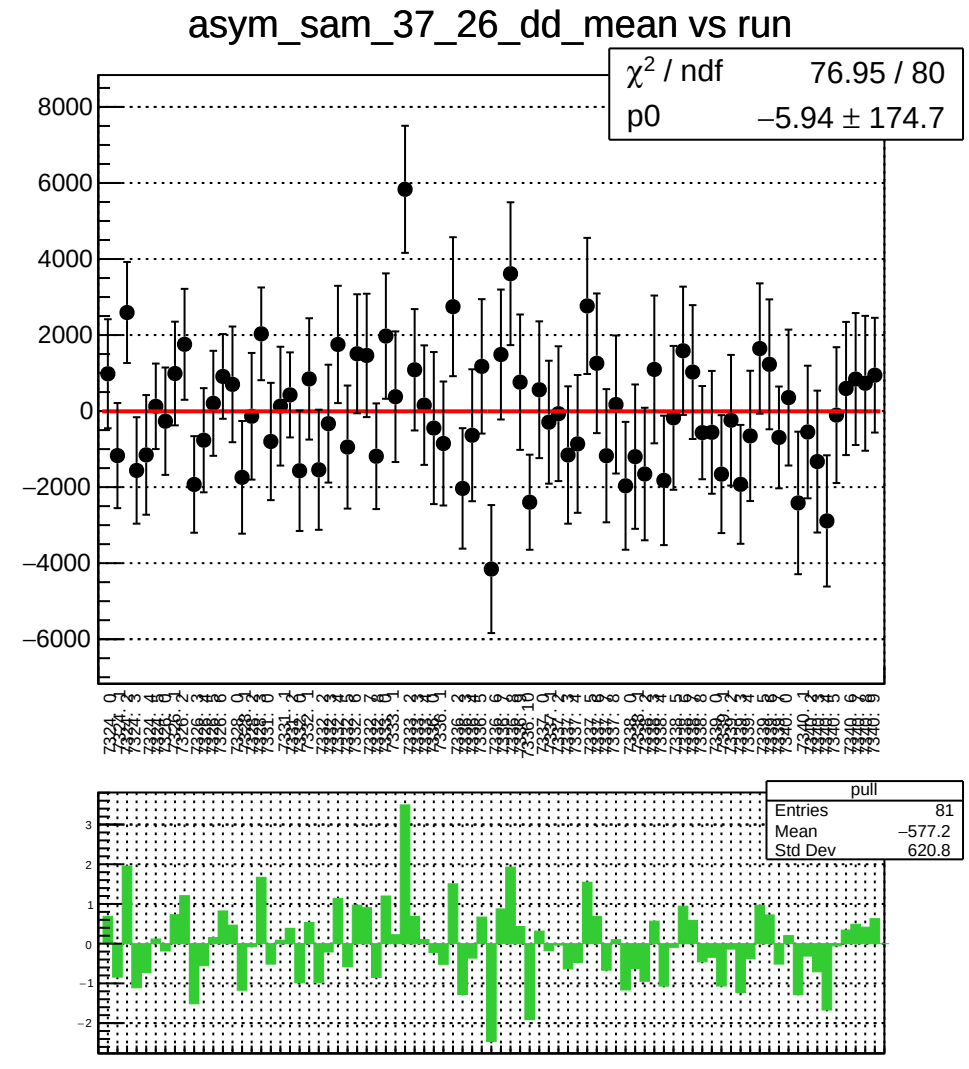

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.16 / 80
p0 3.137 ± 48.25
pull
Entries 81
Mean 399.5
Std Dev 358.4

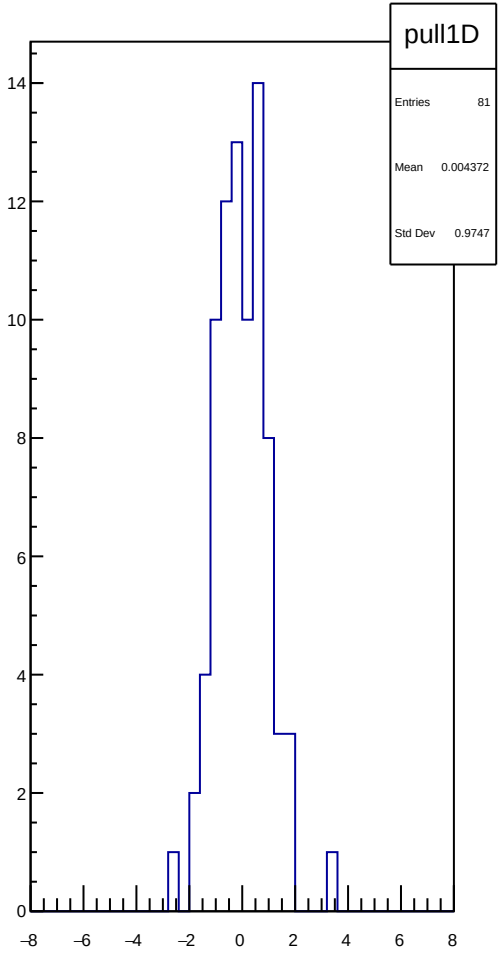

pull1D
Entries 81
Mean −0.01103
Std Dev 0.9632

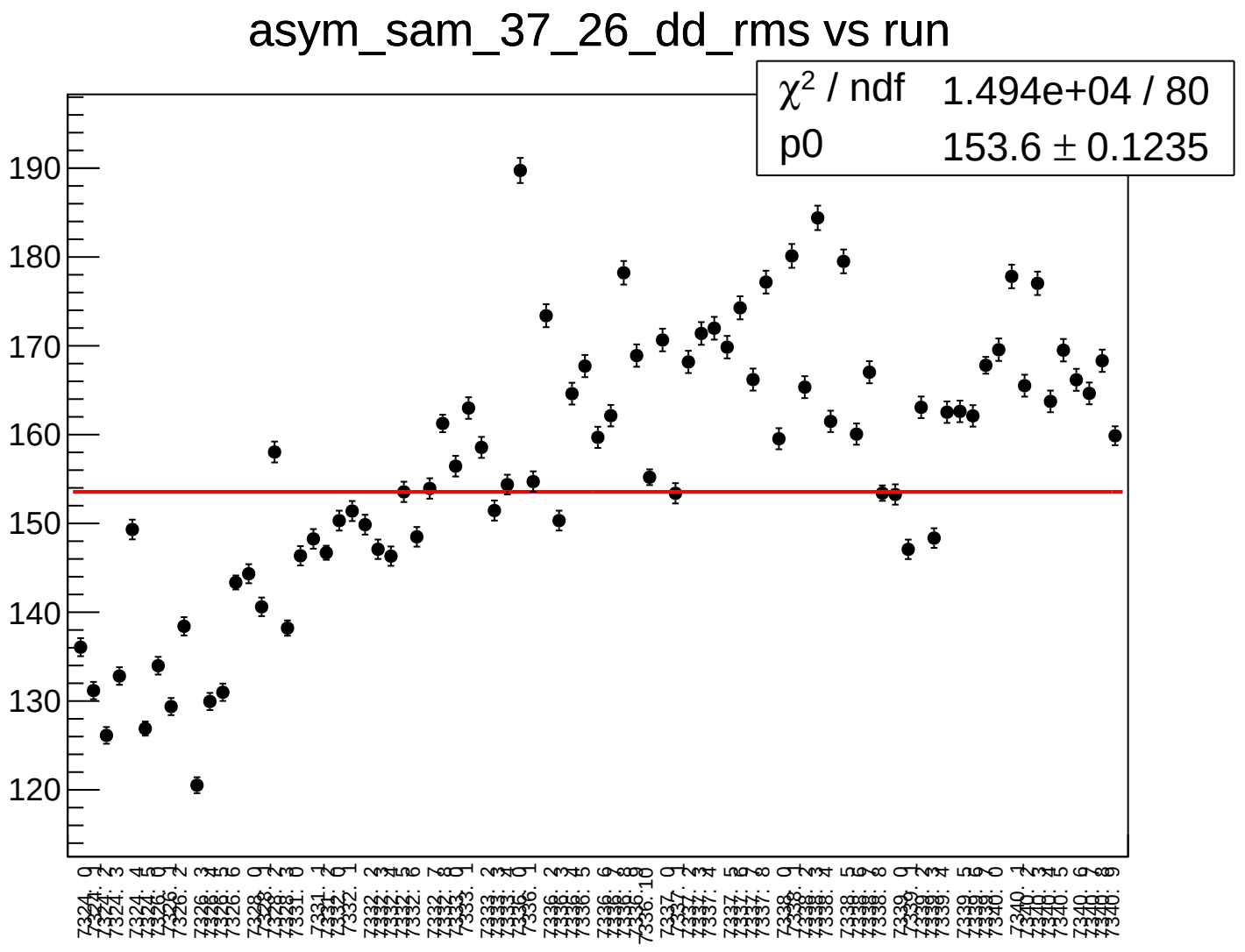

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5884 / 80
p0 42.53 ± 0.03412
52
50
48
46
44
42
40
38

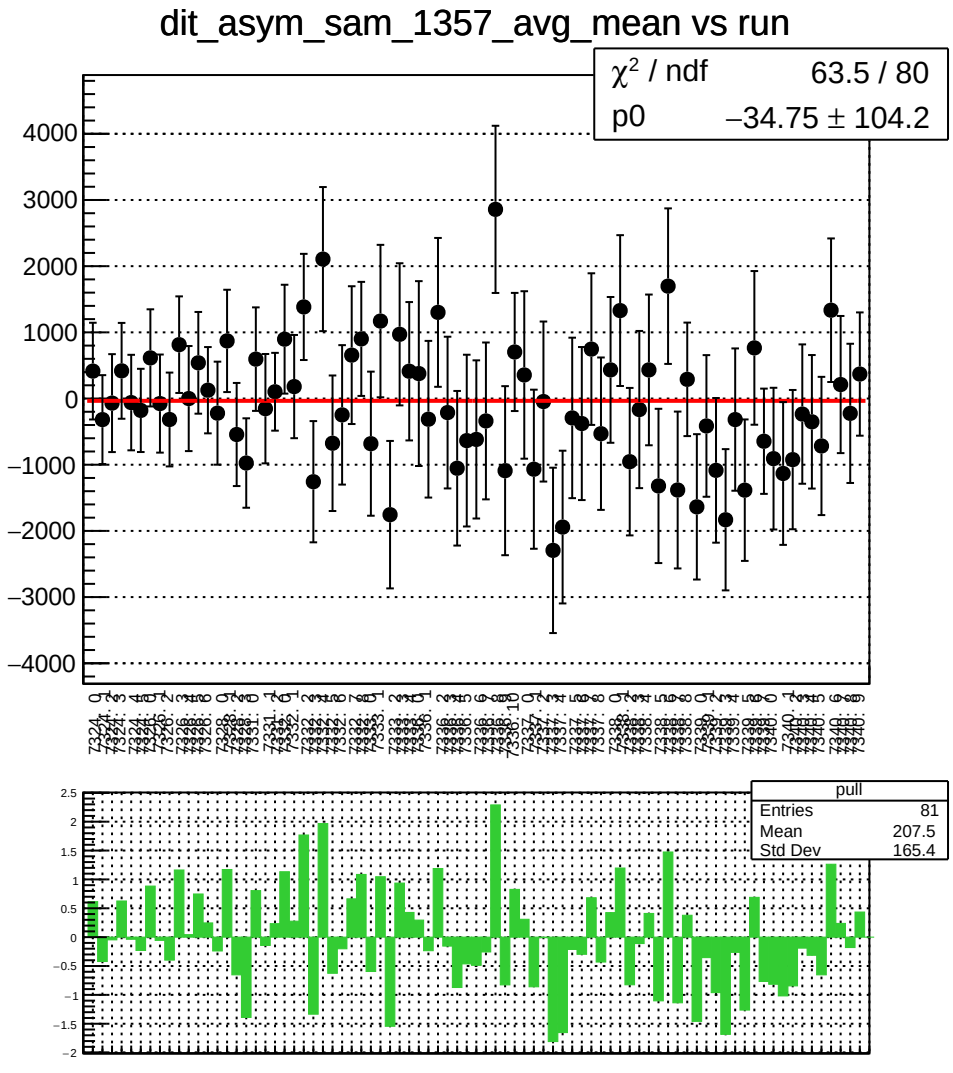

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 77.32 / 80
p0 26.3 ± 181.9
pull
Entries 81
Mean −79.83
Std Dev 124.1
pull1D
Entries 81
Mean −0.01279
Std Dev 0.9769

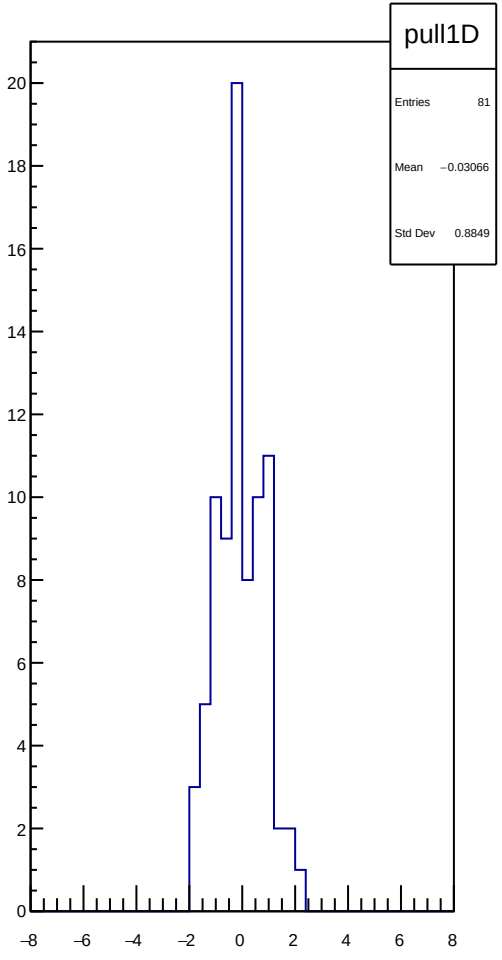

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4688 / 80
p0 160.4 ± 0.1286
180
170
160
150
140

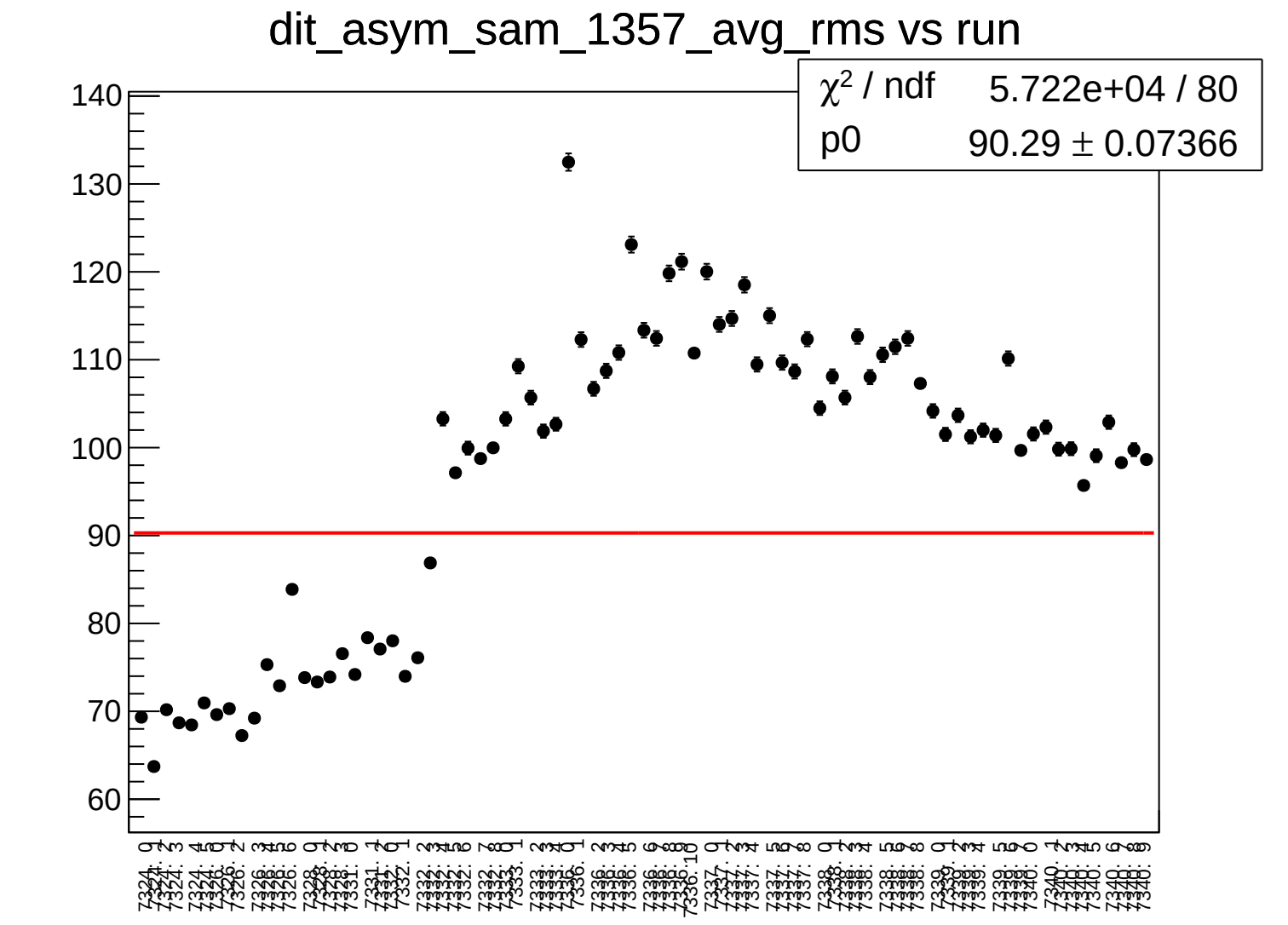

asym_sam_37_26_dd_mean vs run
χ² / ndf 76.95 / 80
p0 −5.94 ± 174.7
pull
Entries 81
Mean −577.2
Std Dev 620.8

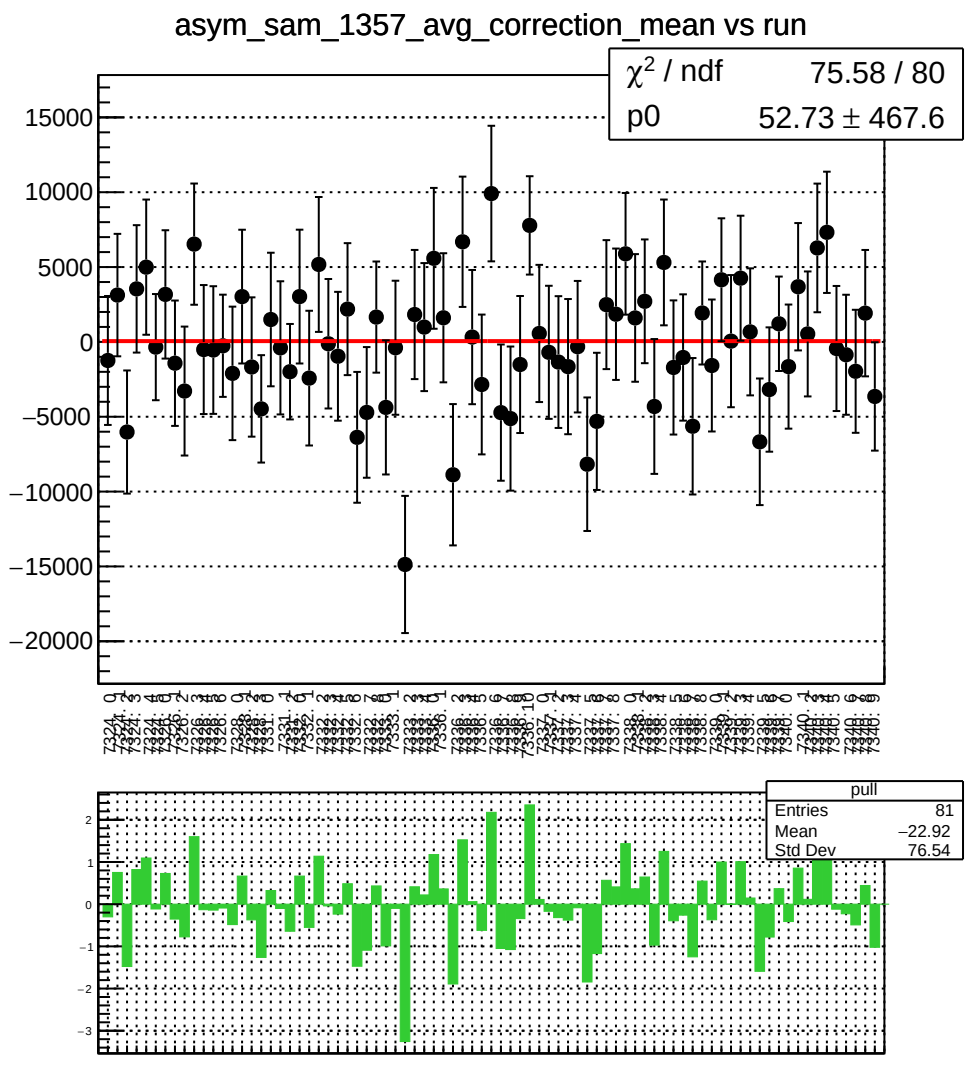

pull1D
Entries 81
Mean 0.004372
Std Dev 0.9747

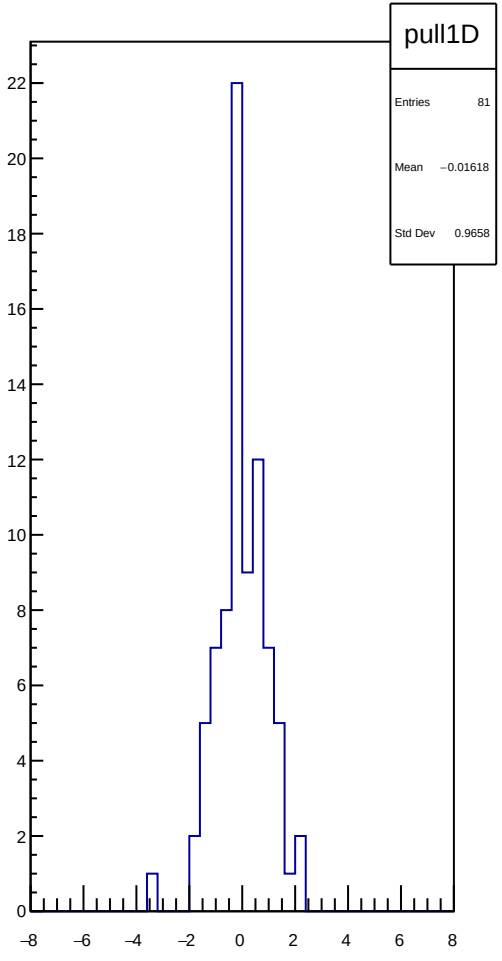

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.494e+04 / 80
p0 153.6 ± 0.1235
190
180
170
160
150
140
130
120

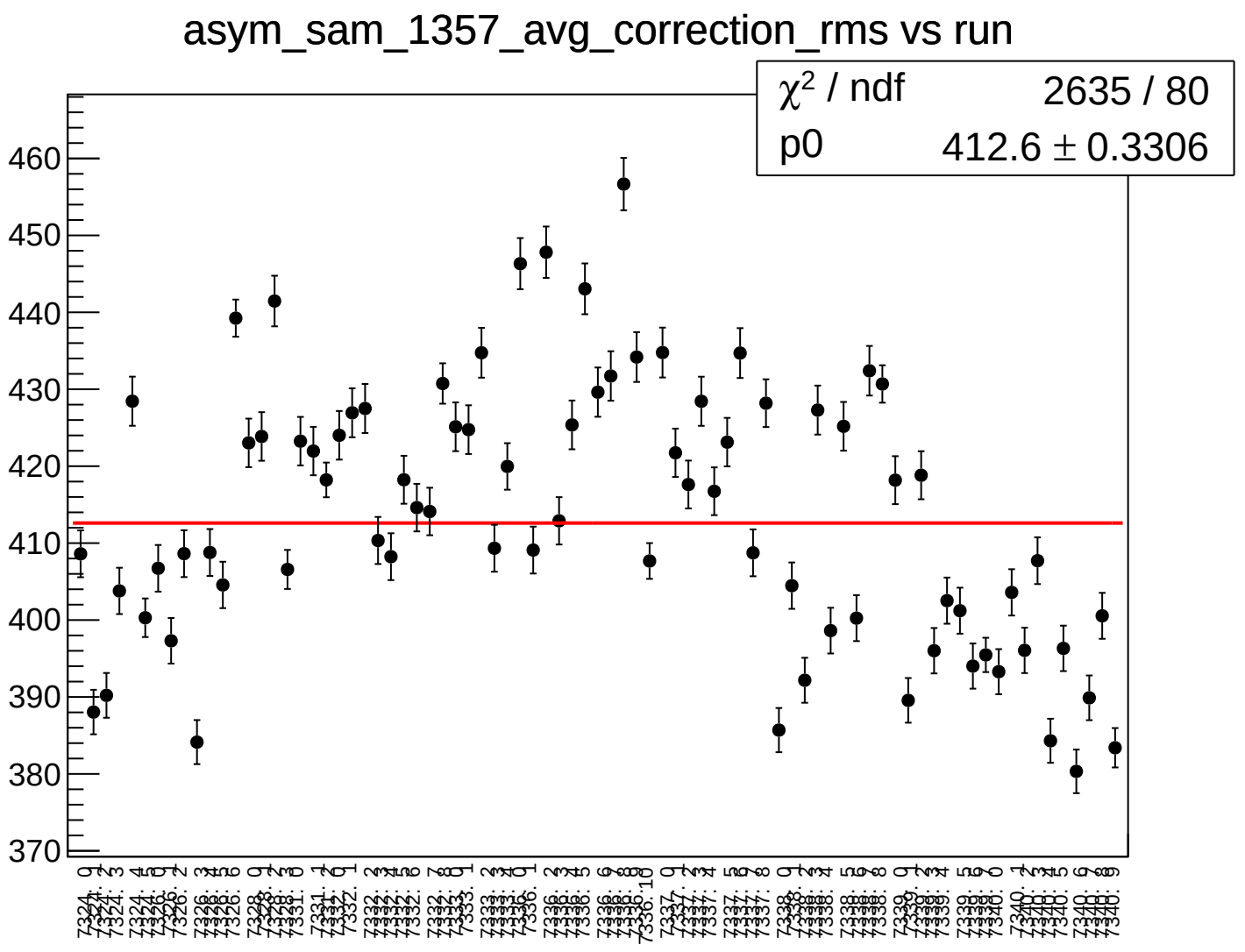

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 63.5 / 80
p0 −34.75 ± 104.2
pull
Entries 81
Mean 207.5
Std Dev 165.4

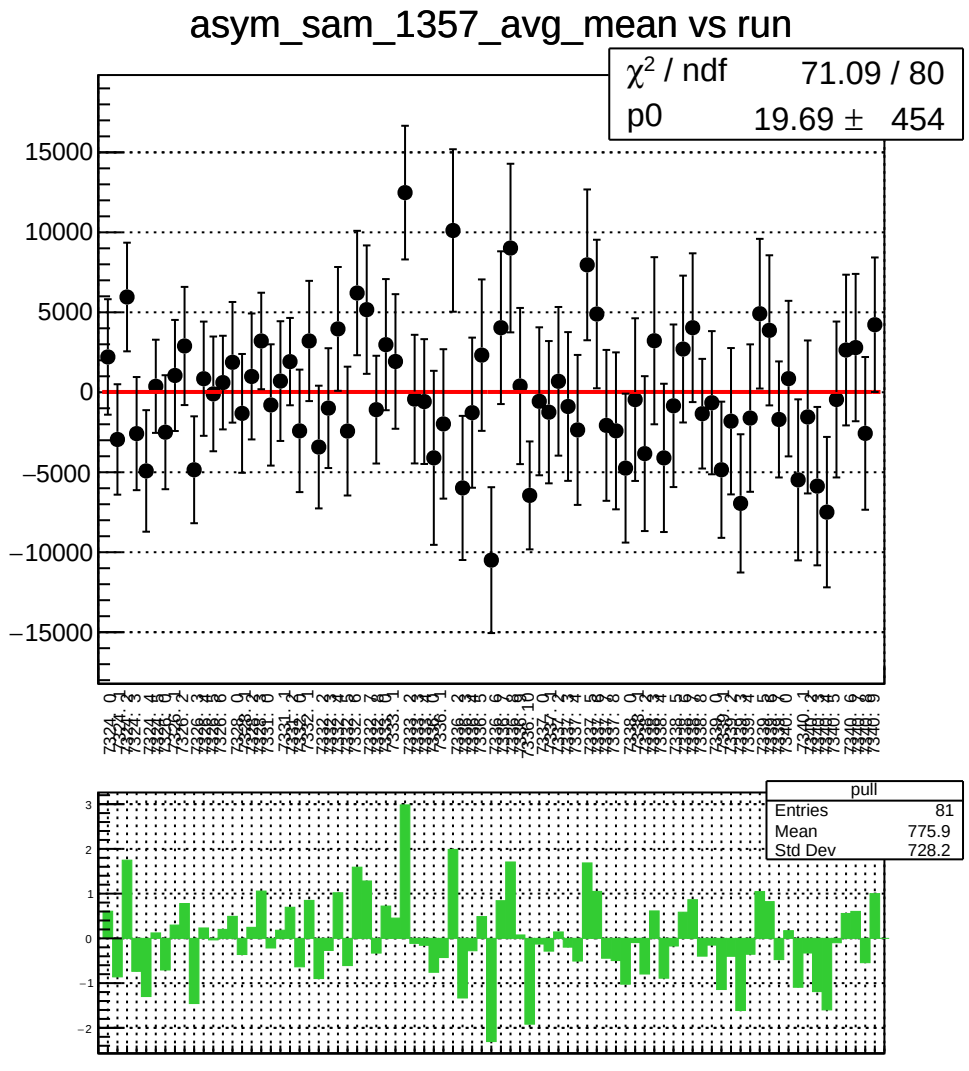

pull1D
Entries 81
Mean −0.03066
Std Dev 0.8849

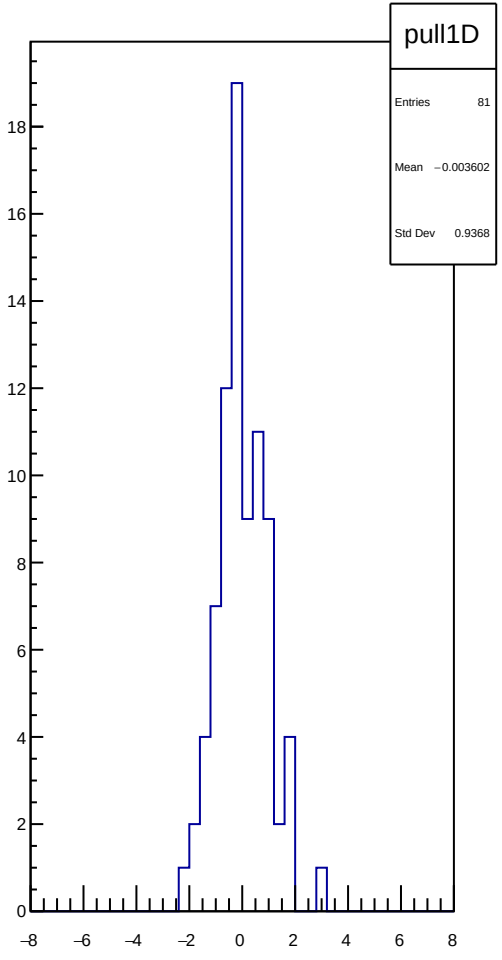

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 5.722e+04 / 80
p0 90.29 ± 0.07366
140
130
120
110
100
90
80
70
60

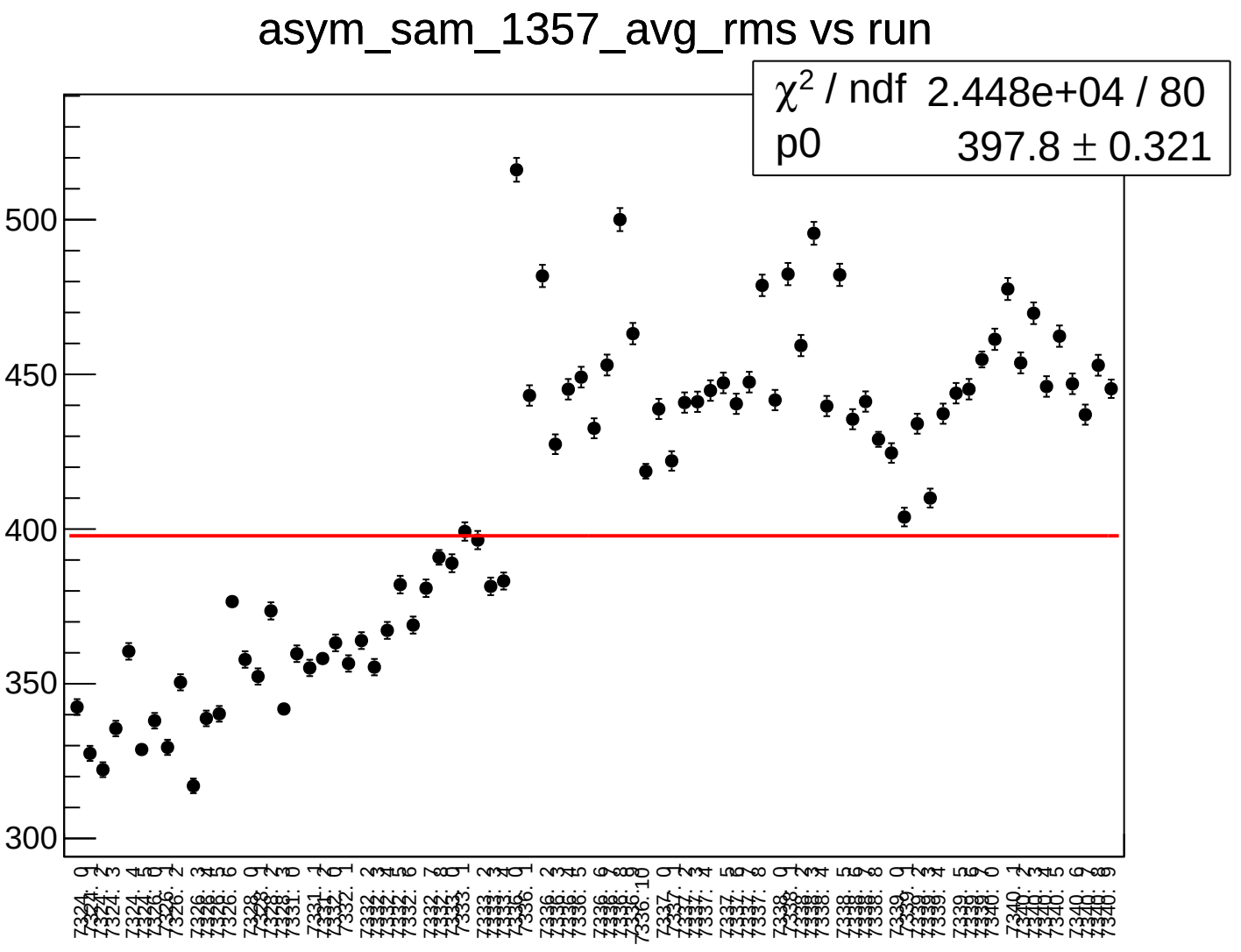

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 75.58 / 80
p0 52.73 ± 467.6
pull
Entries 81
Mean −22.92
Std Dev 76.54

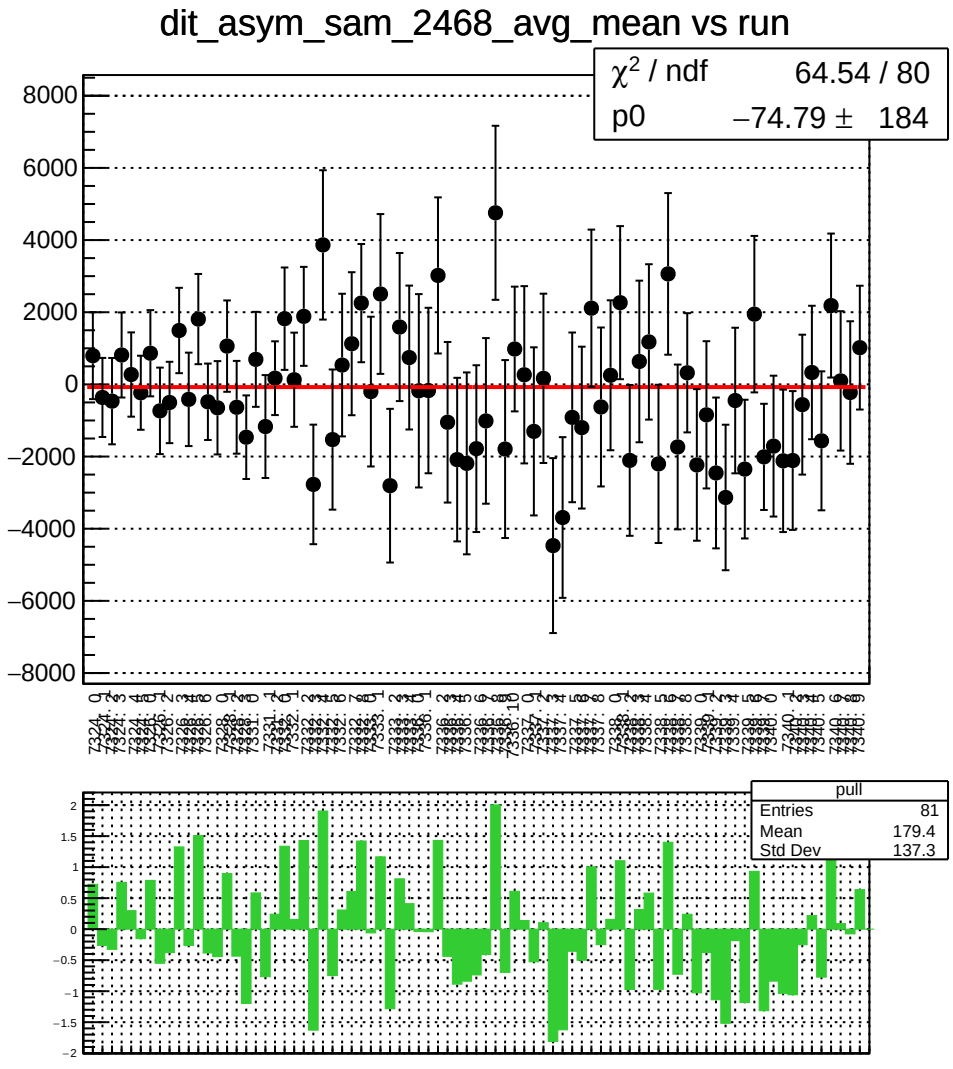

pull1D
Entries 81
Mean −0.01618
Std Dev 0.9658

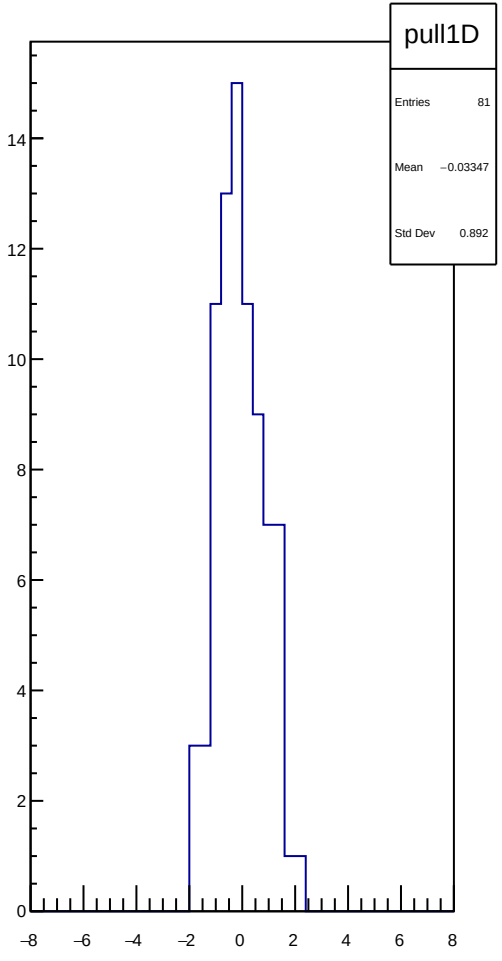

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2635 / 80
p0 412.6 ± 0.3306
460
450
440
430
420
410
400
390
380
370

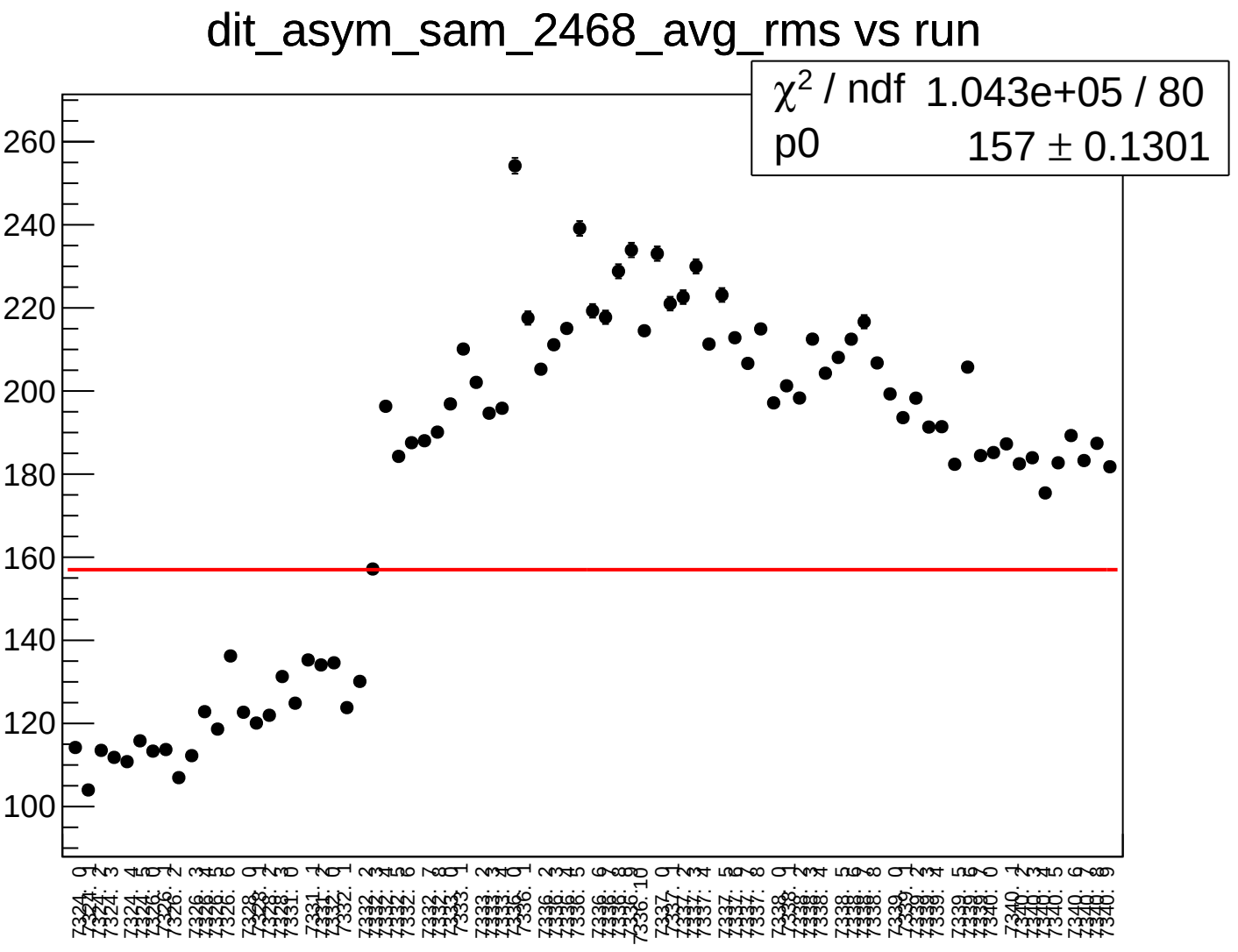

asym_sam_1357_avg_mean vs run
χ² / ndf 71.09 / 80
p0 19.69 ± 454
pull
Entries 81
Mean 775.9
Std Dev 728.2

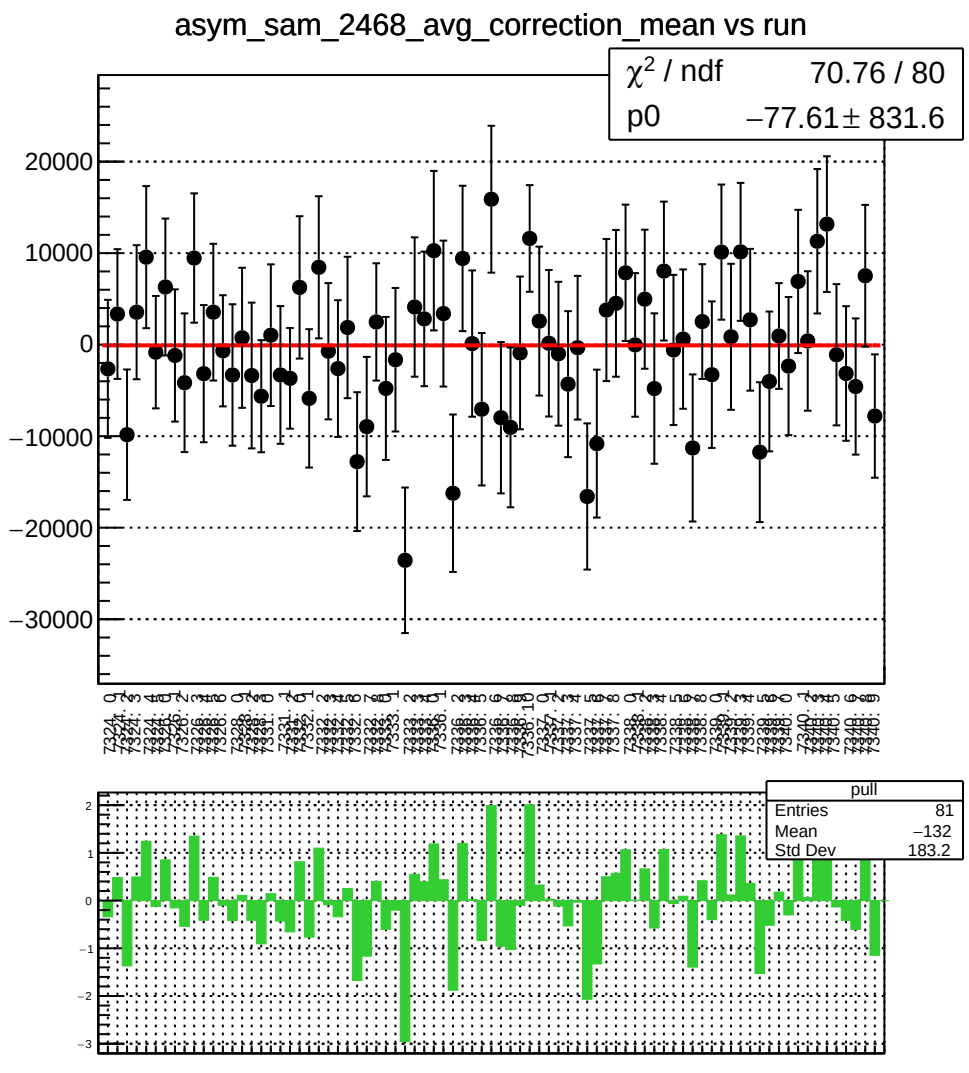

pull1D
Entries 81
Mean −0.003602
Std Dev 0.9368

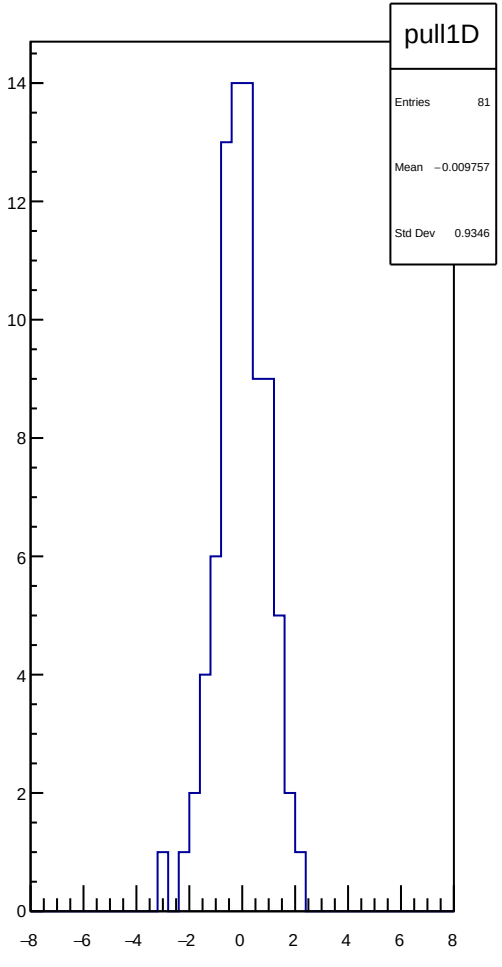

asym_sam_1357_avg_rms vs run
χ² / ndf 2.448e+04 / 80
p0 397.8 ± 0.321
500
450
400
350
300

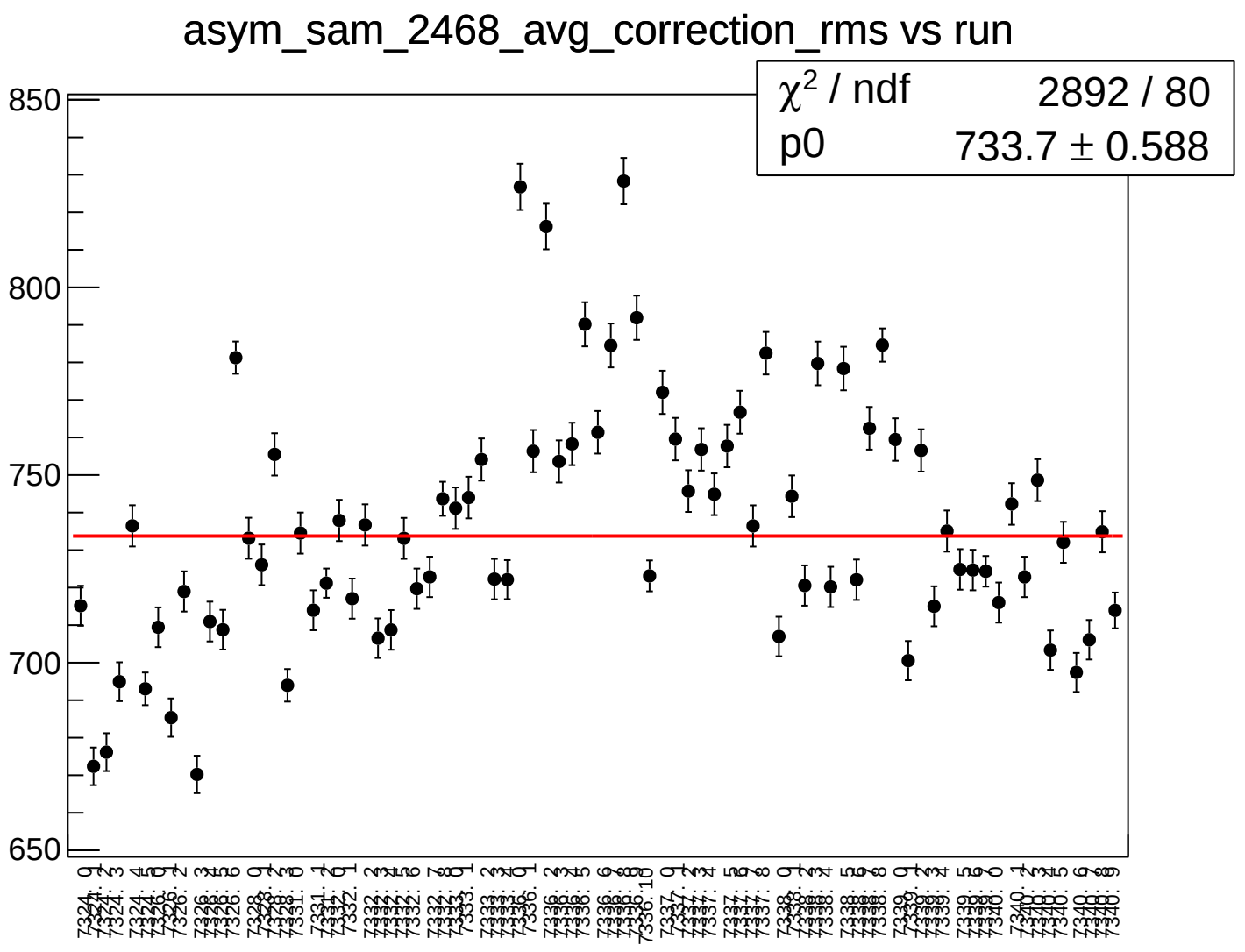

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 64.54 / 80
p0 −74.79 ± 184
pull
Entries 81
Mean 179.4
Std Dev 137.3

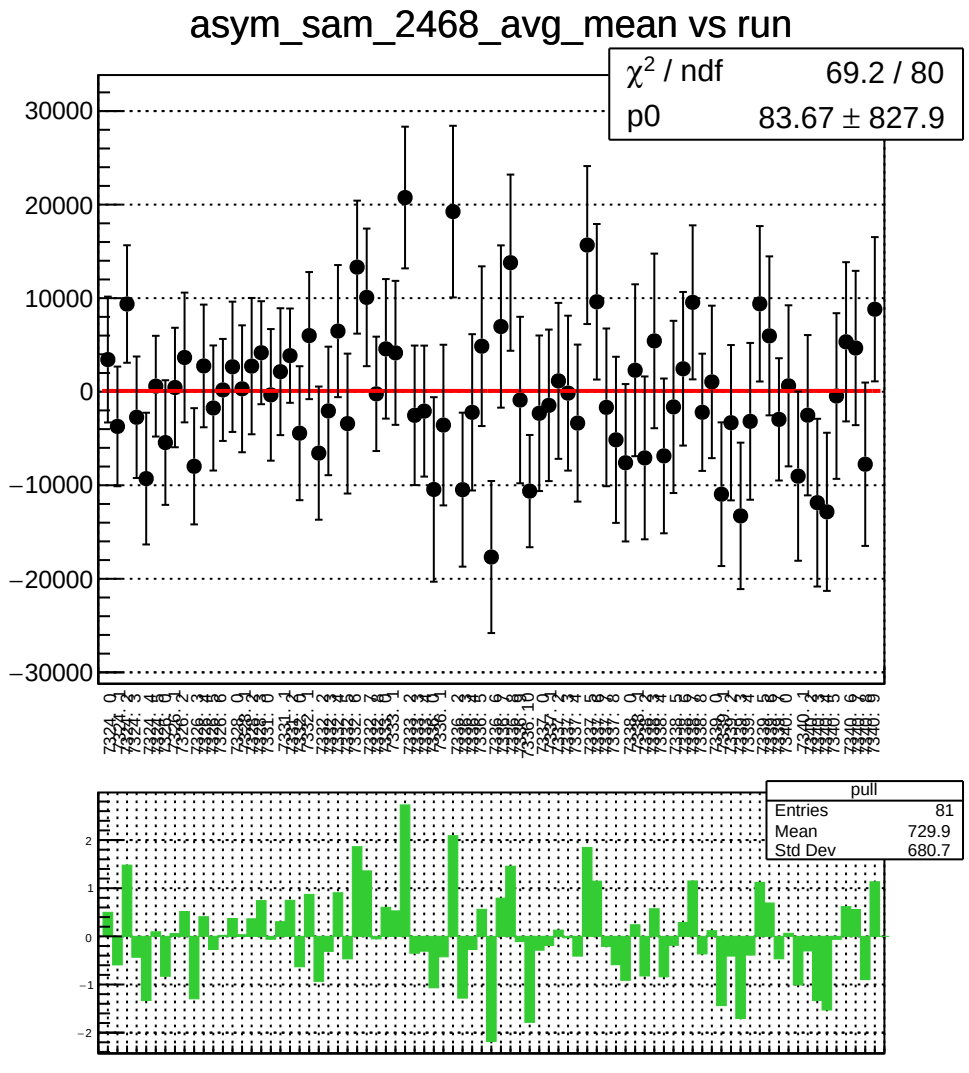

pull1D
Entries 81
Mean −0.03347
Std Dev 0.892

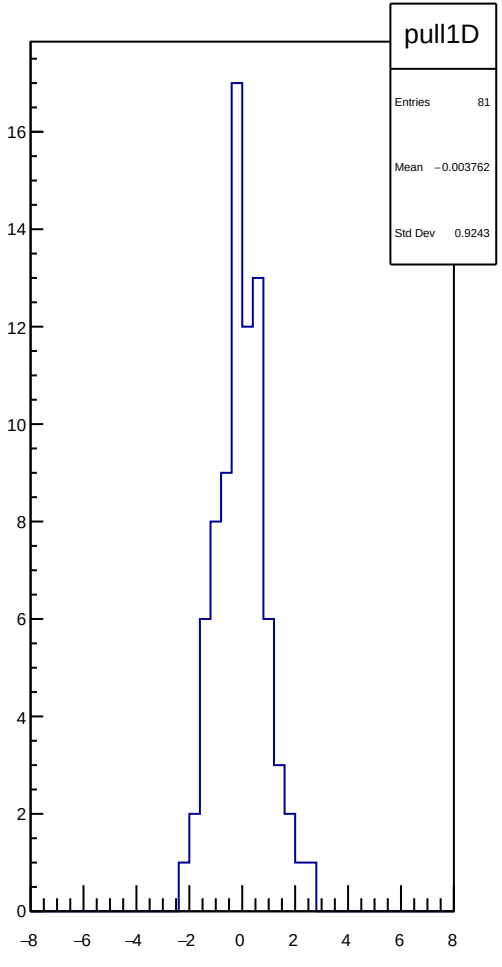

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.043e+05 / 80
p0 157 ± 0.1301
260
240
220
200
180
160
140
120
100

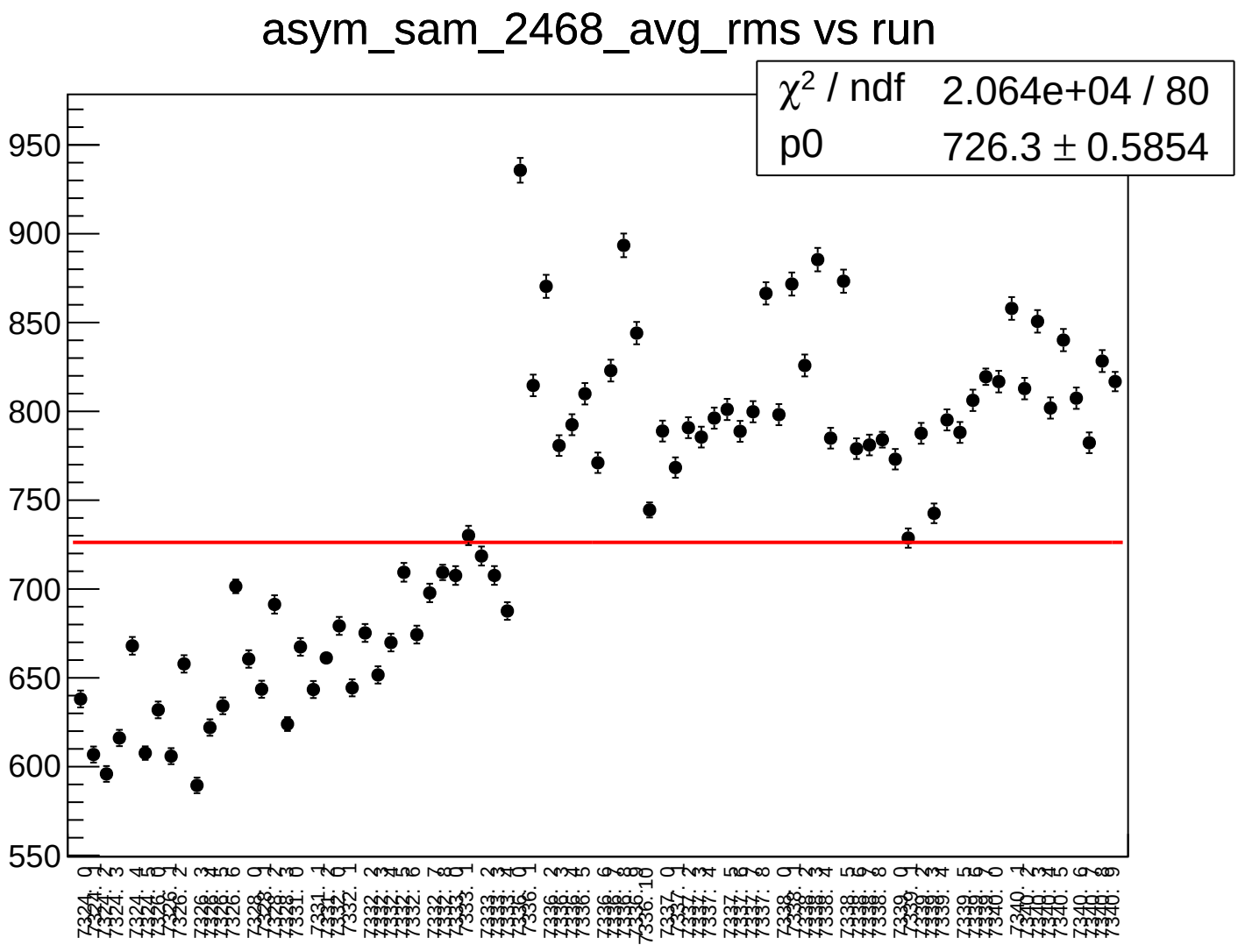

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 70.76 / 80
p0 −77.61 ± 831.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −132
Std Dev 183.2
2
1
0
−1
−2
−3

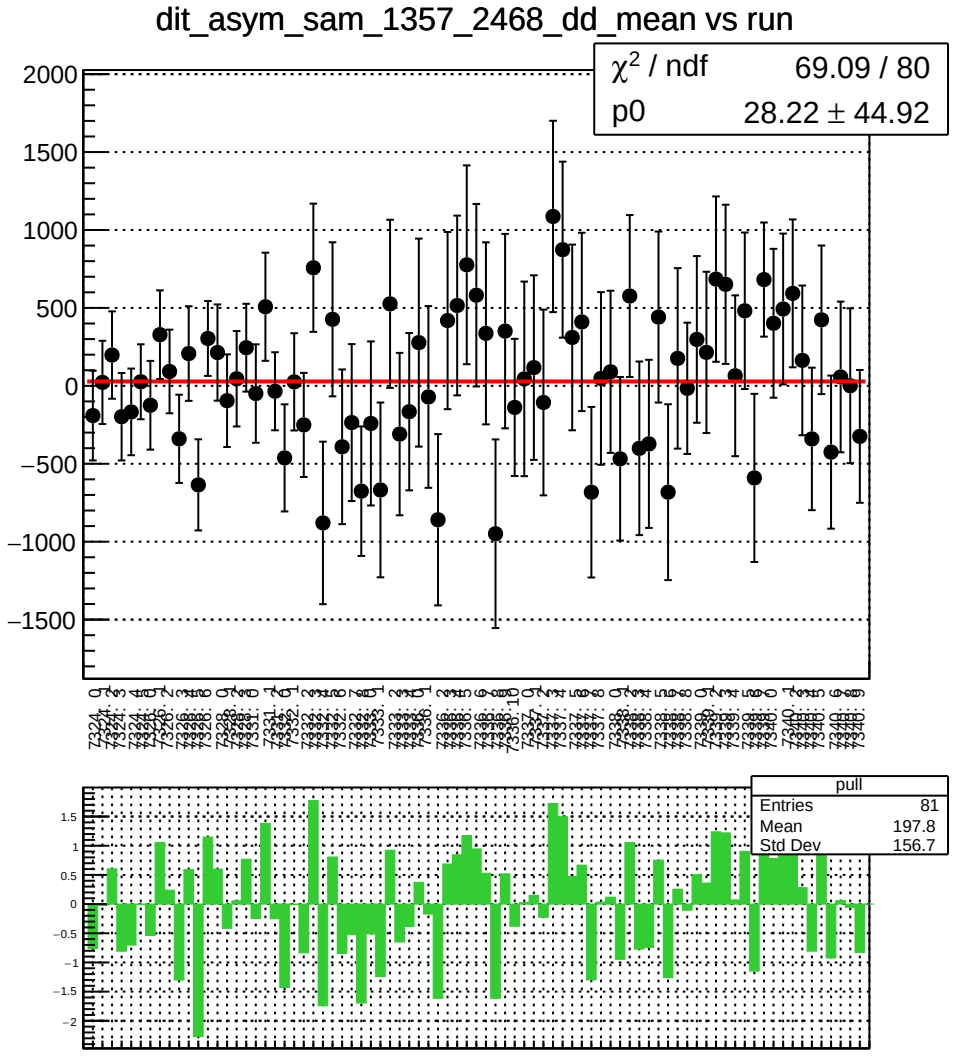

pull1D
Entries 81
Mean −0.009757
Std Dev 0.9346
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

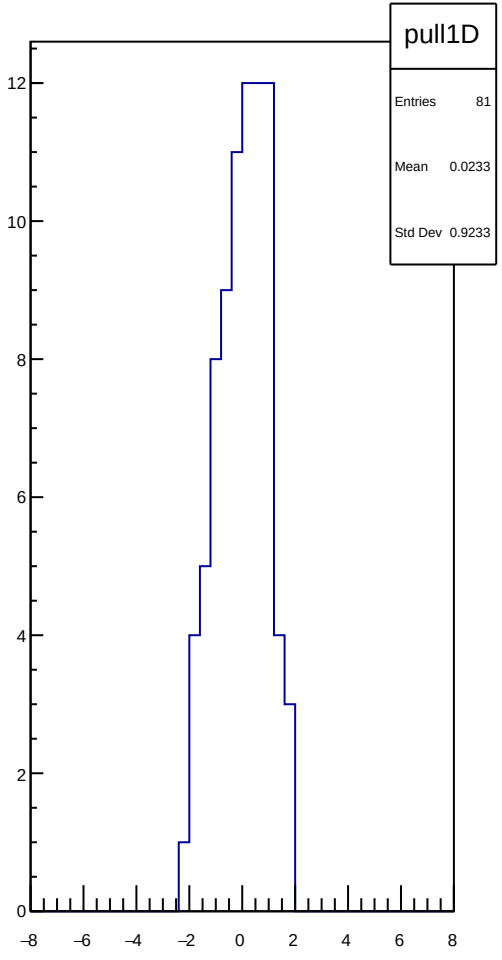

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2892 / 80
p0 733.7 ± 0.588
850
800
750
700
650

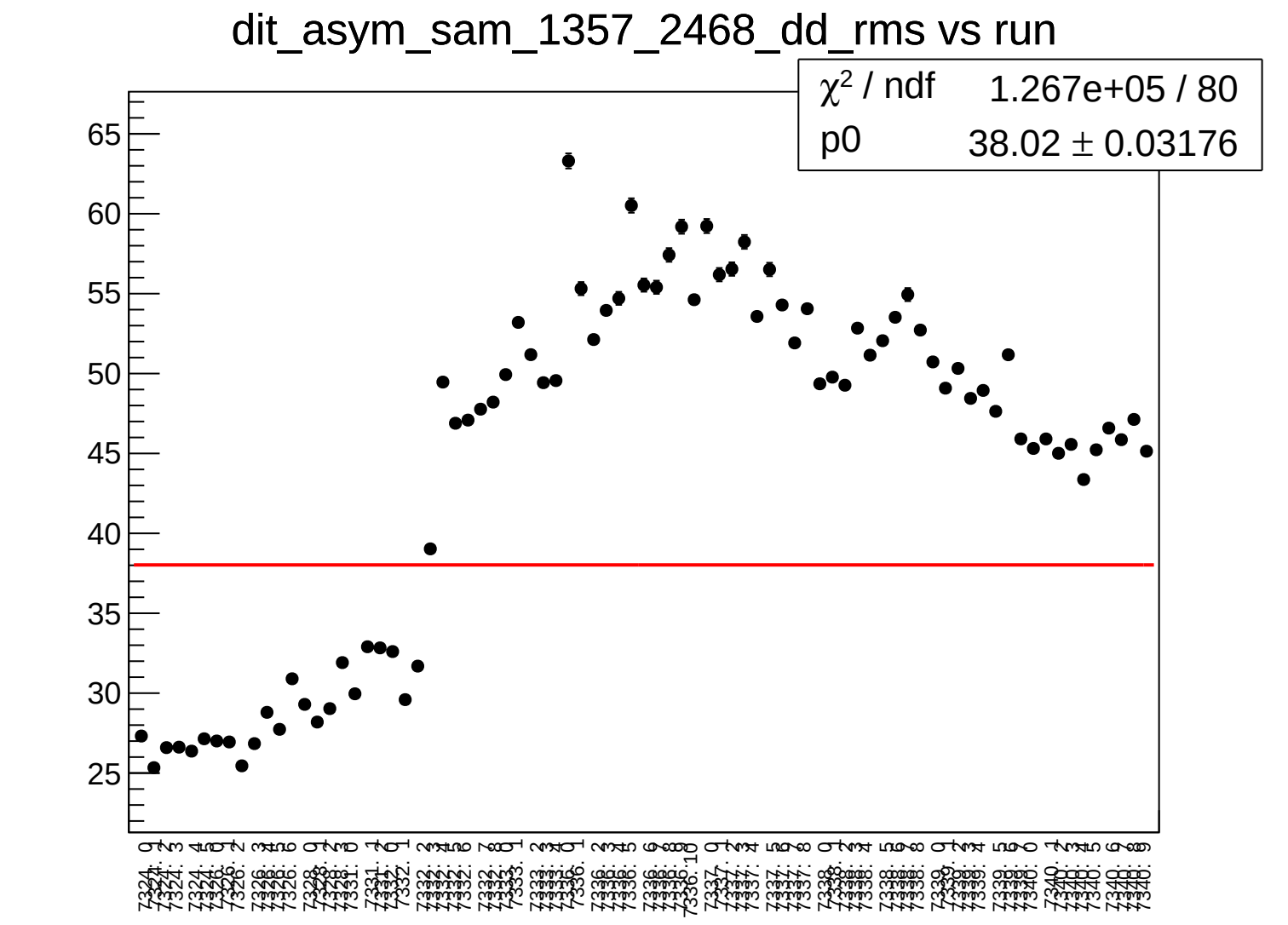

asym_sam_2468_avg_mean vs run
χ² / ndf 69.2 / 80
p0 83.67 ± 827.9
pull
Entries 81
Mean 729.9
Std Dev 680.7

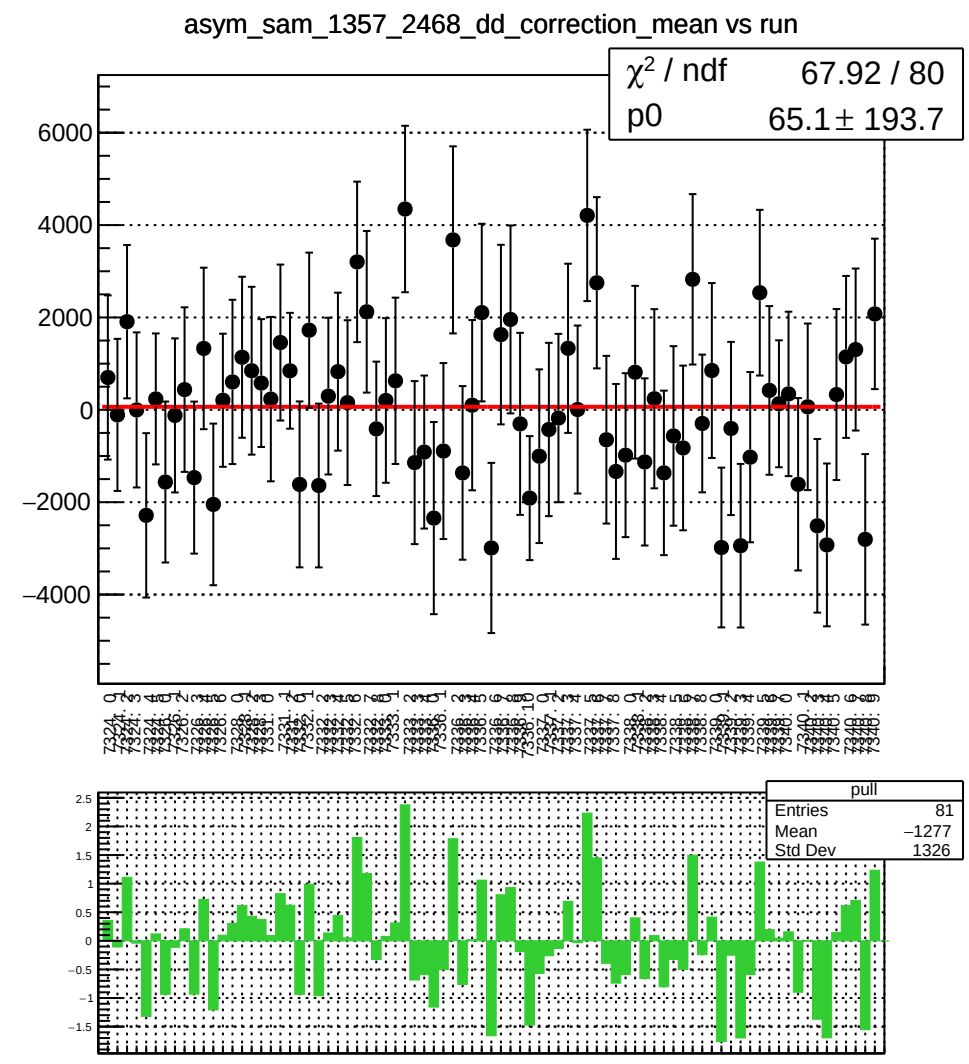

pull1D
Entries 81
Mean −0.003762
Std Dev 0.9243

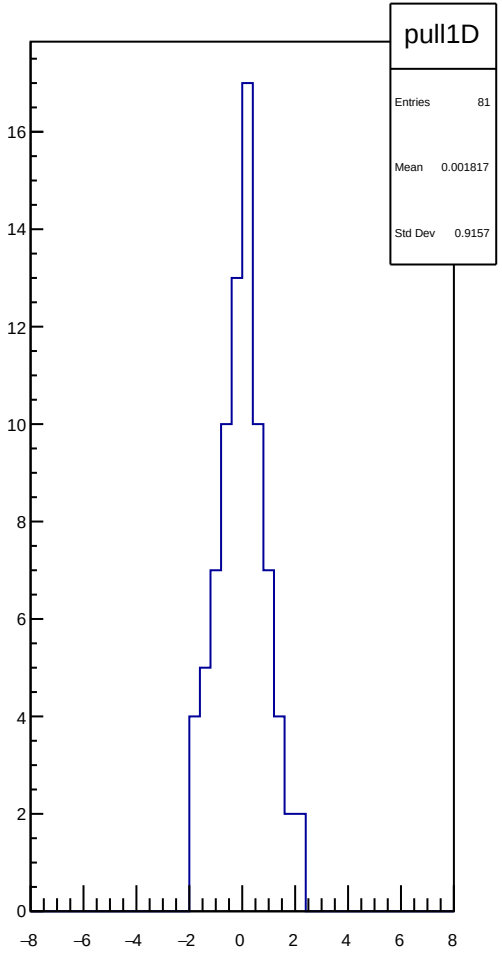

asym_sam_2468_avg_rms vs run
χ² / ndf 2.064e+04 / 80
p0 726.3 ± 0.5854
950
900
850
800
750
700
650
600
550

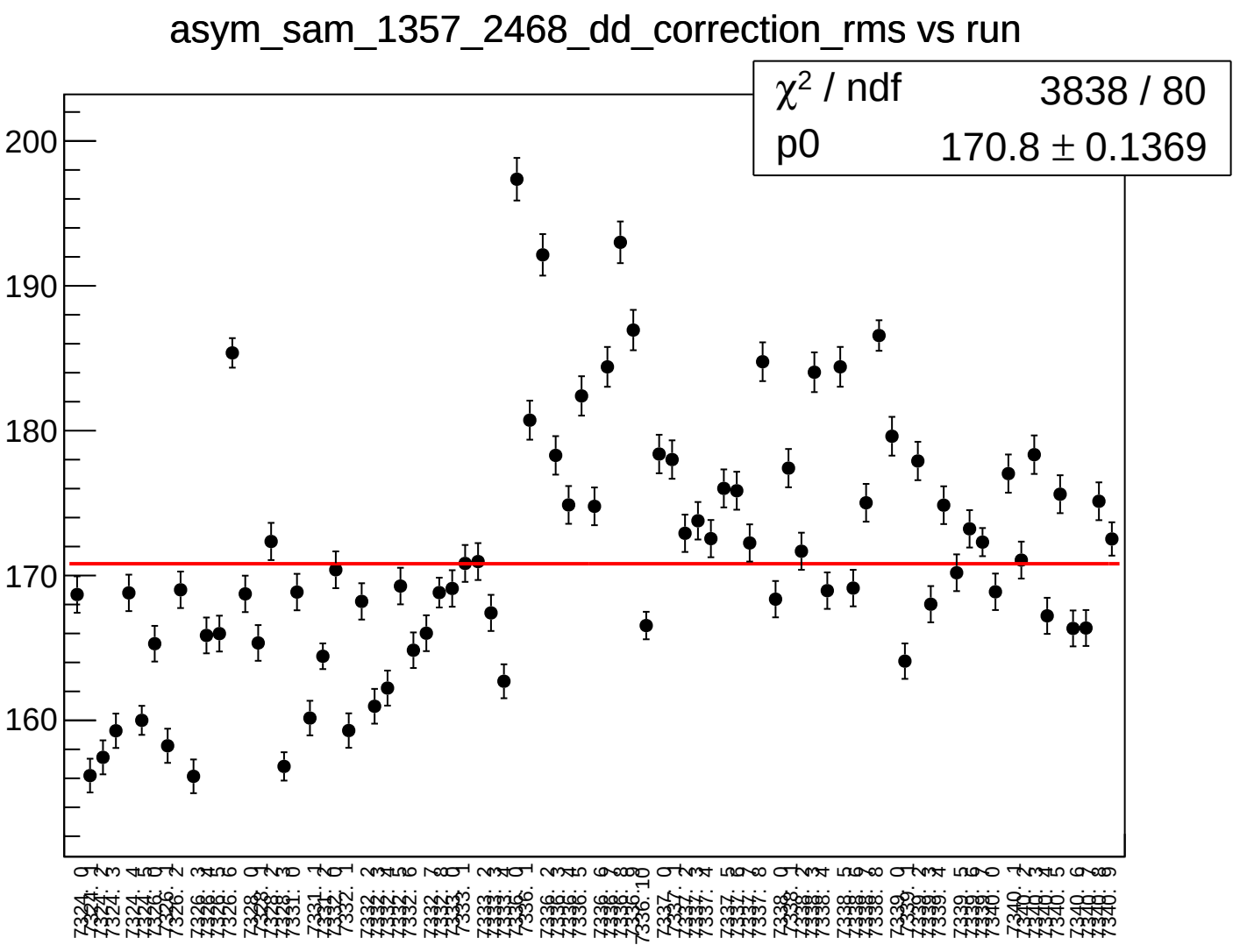

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 69.09 / 80
p0 28.22 ± 44.92
pull
Entries 81
Mean 197.8
Std Dev 156.7

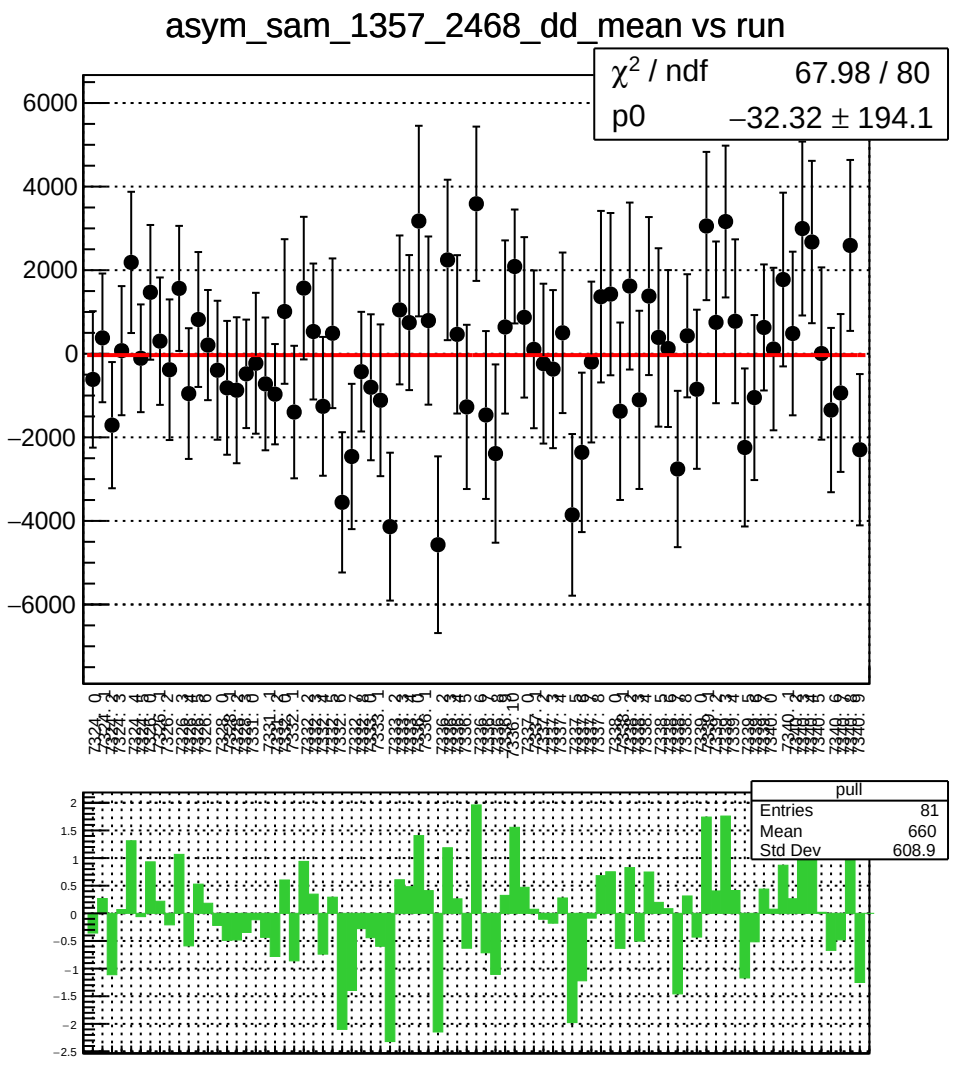

pull1D
Entries 81
Mean 0.0233
Std Dev 0.9233

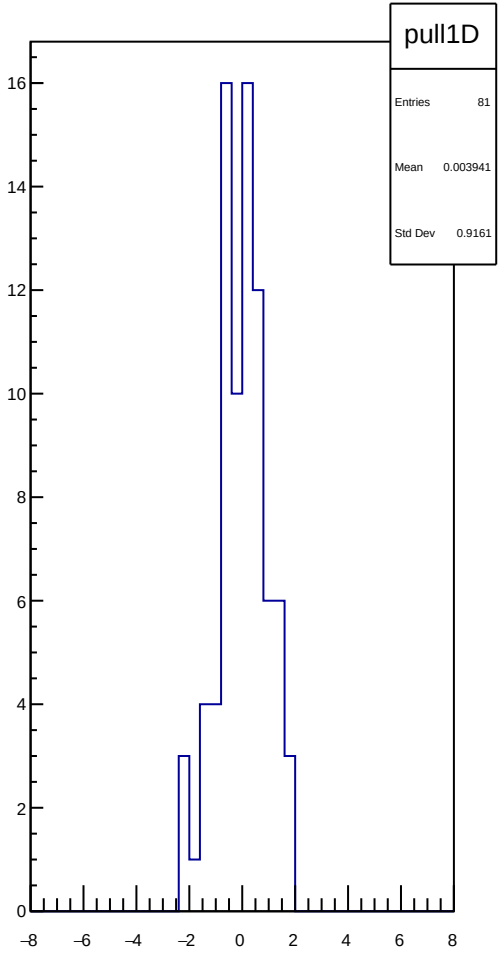

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.267e+05 / 80
p0 38.02 ± 0.03176
65
60
55
50
45
40
35
30
25

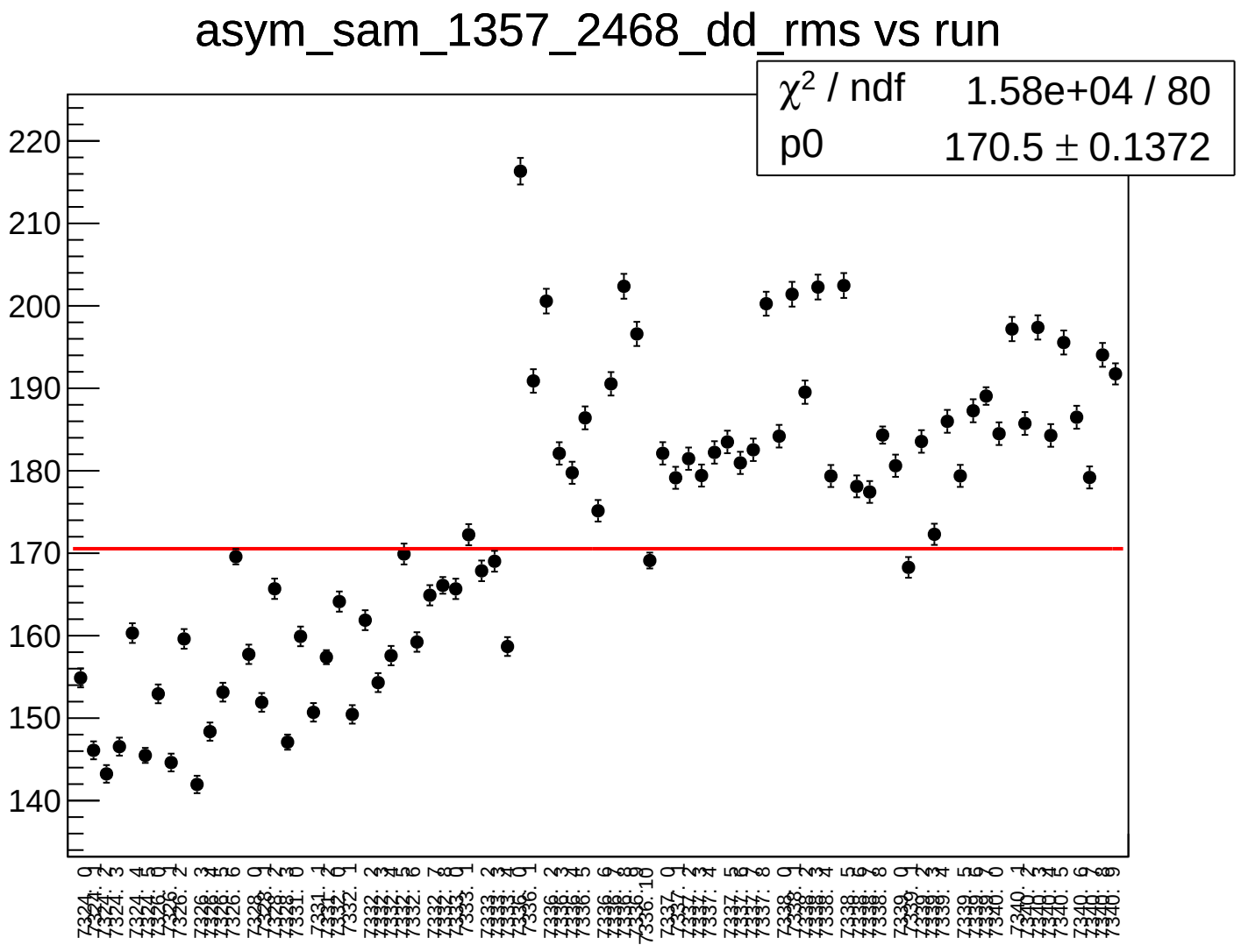

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 67.92 / 80
p0 65.1 ± 193.7
pull
Entries 81
Mean −1277
Std Dev 1326

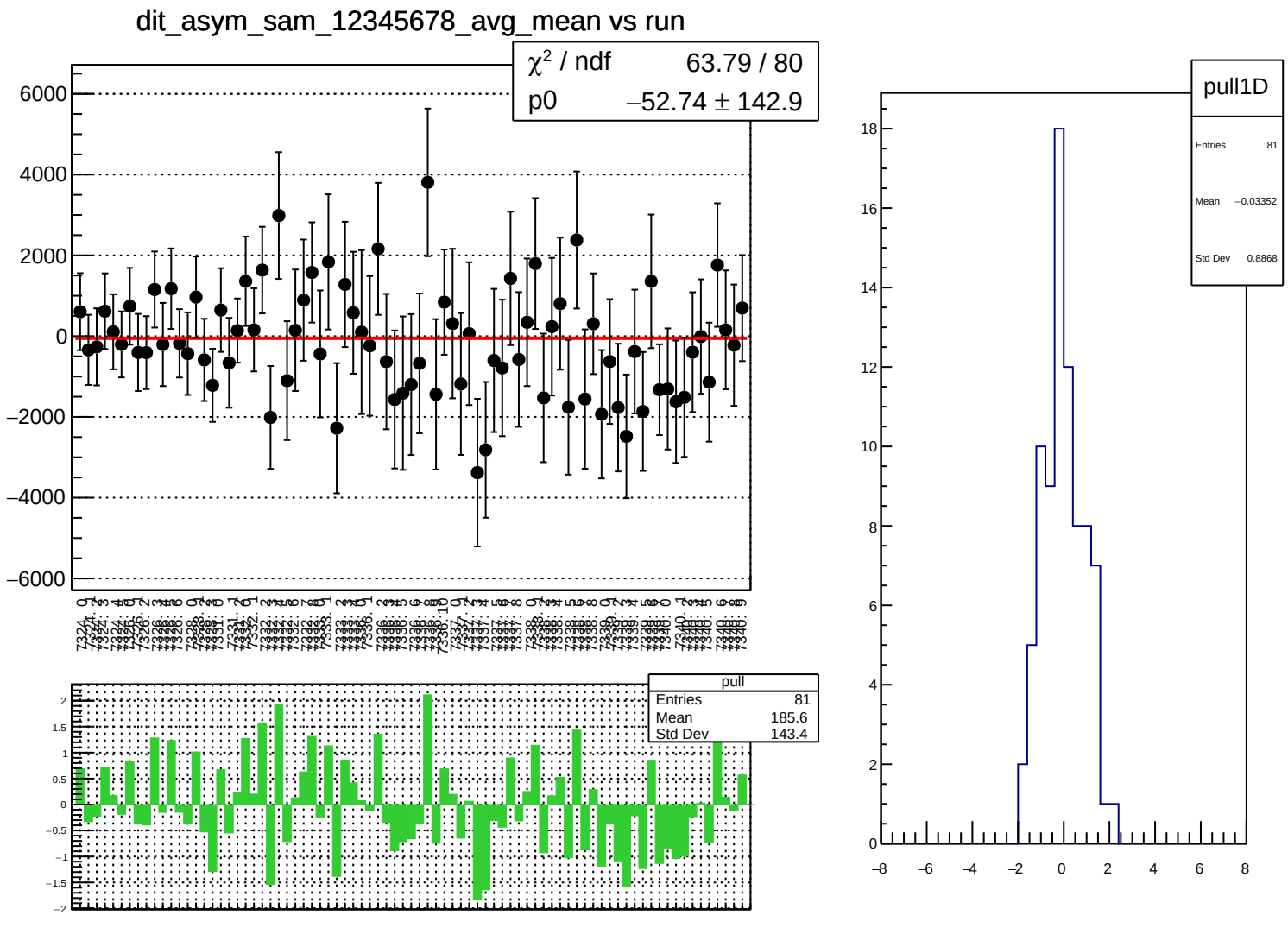

pull1D
Entries 81
Mean 0.001817
Std Dev 0.9157

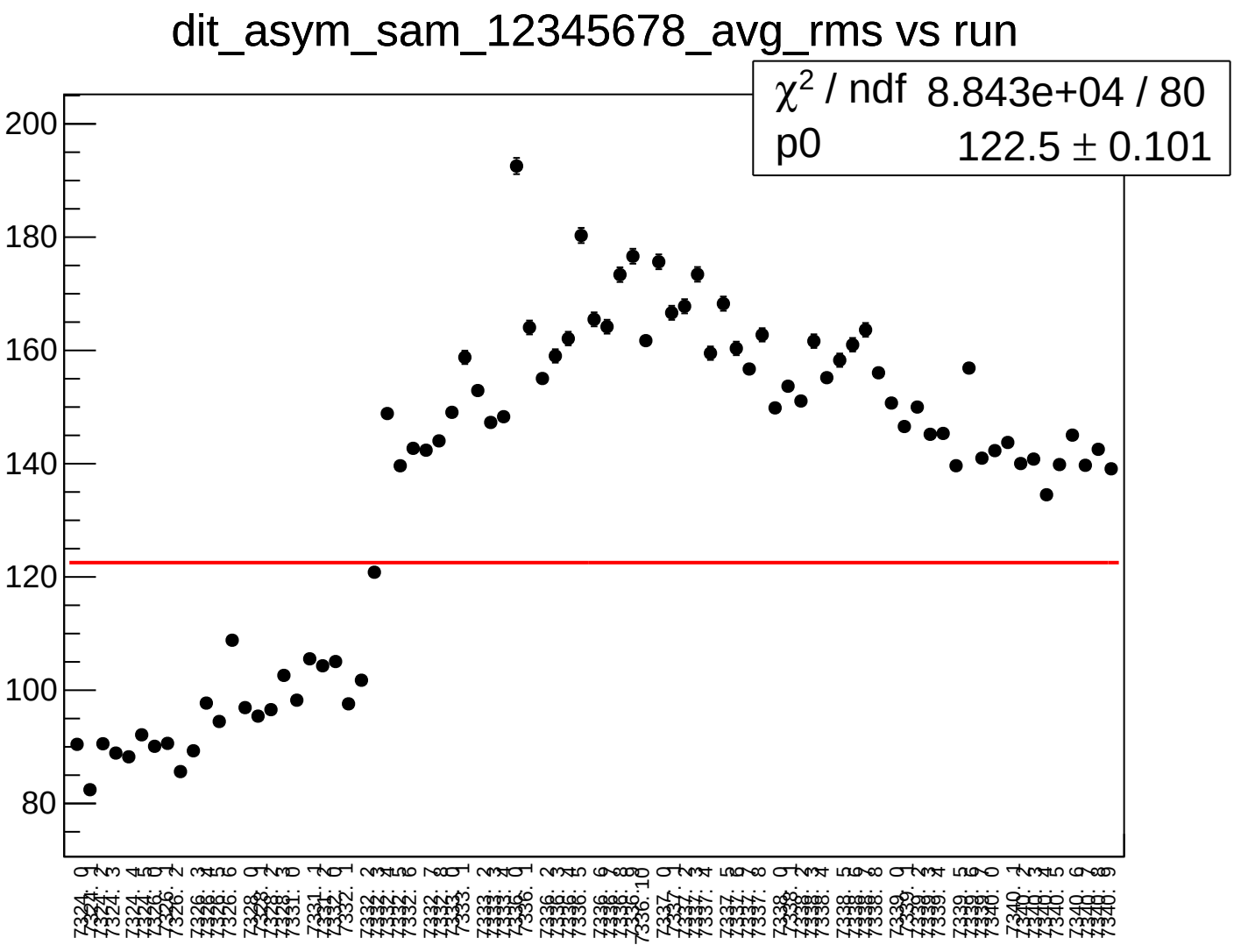

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3838 / 80
p0 170.8 ± 0.1369
200
190
180
170
160

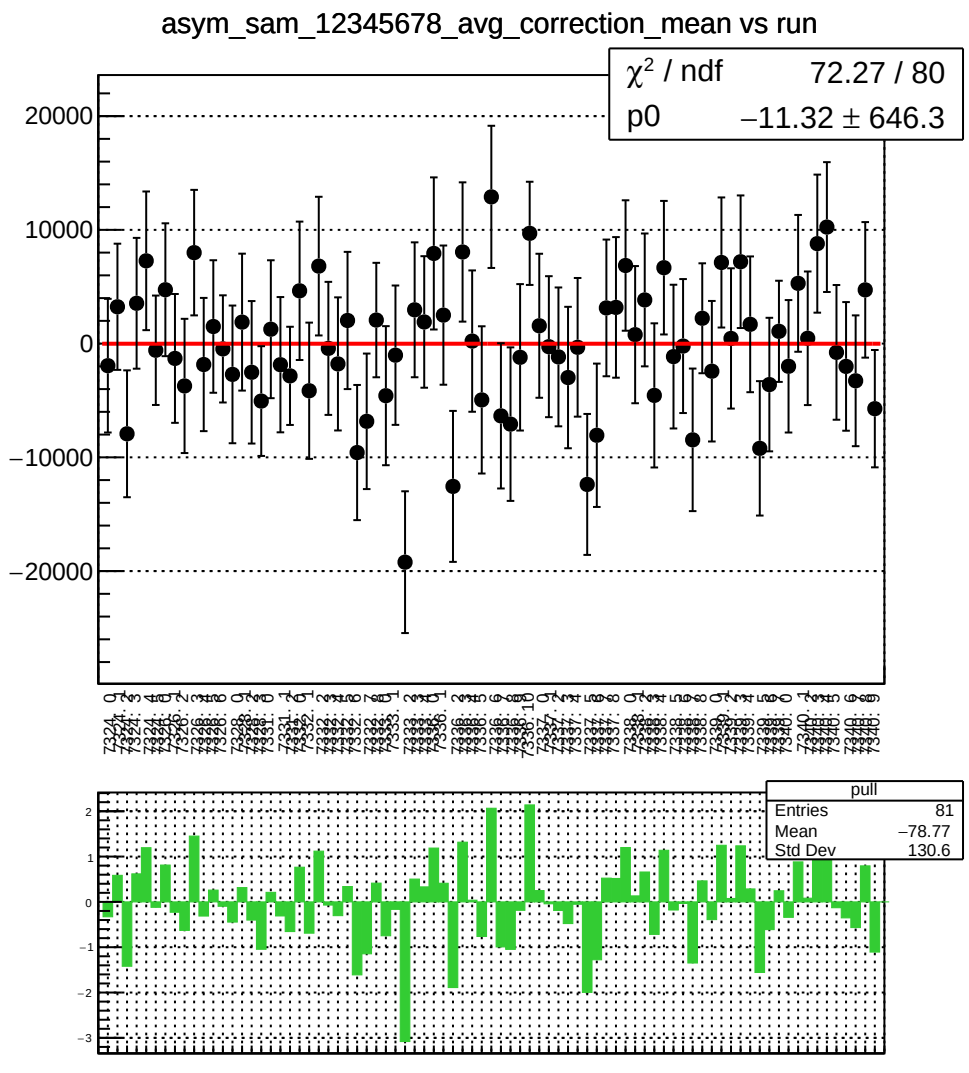

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 67.98 / 80
p0 −32.32 ± 194.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 660
Std Dev 608.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

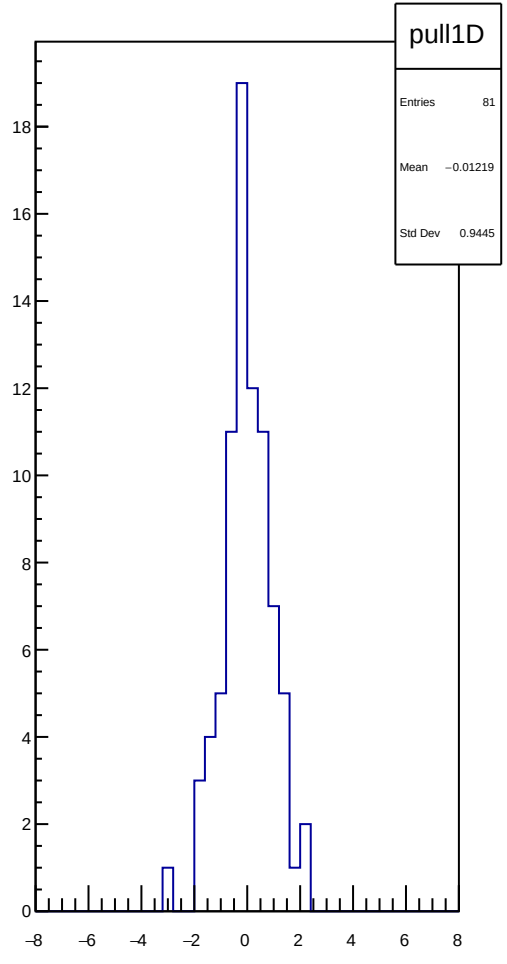

pull1D
Entries 81
Mean 0.003941
Std Dev 0.9161
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

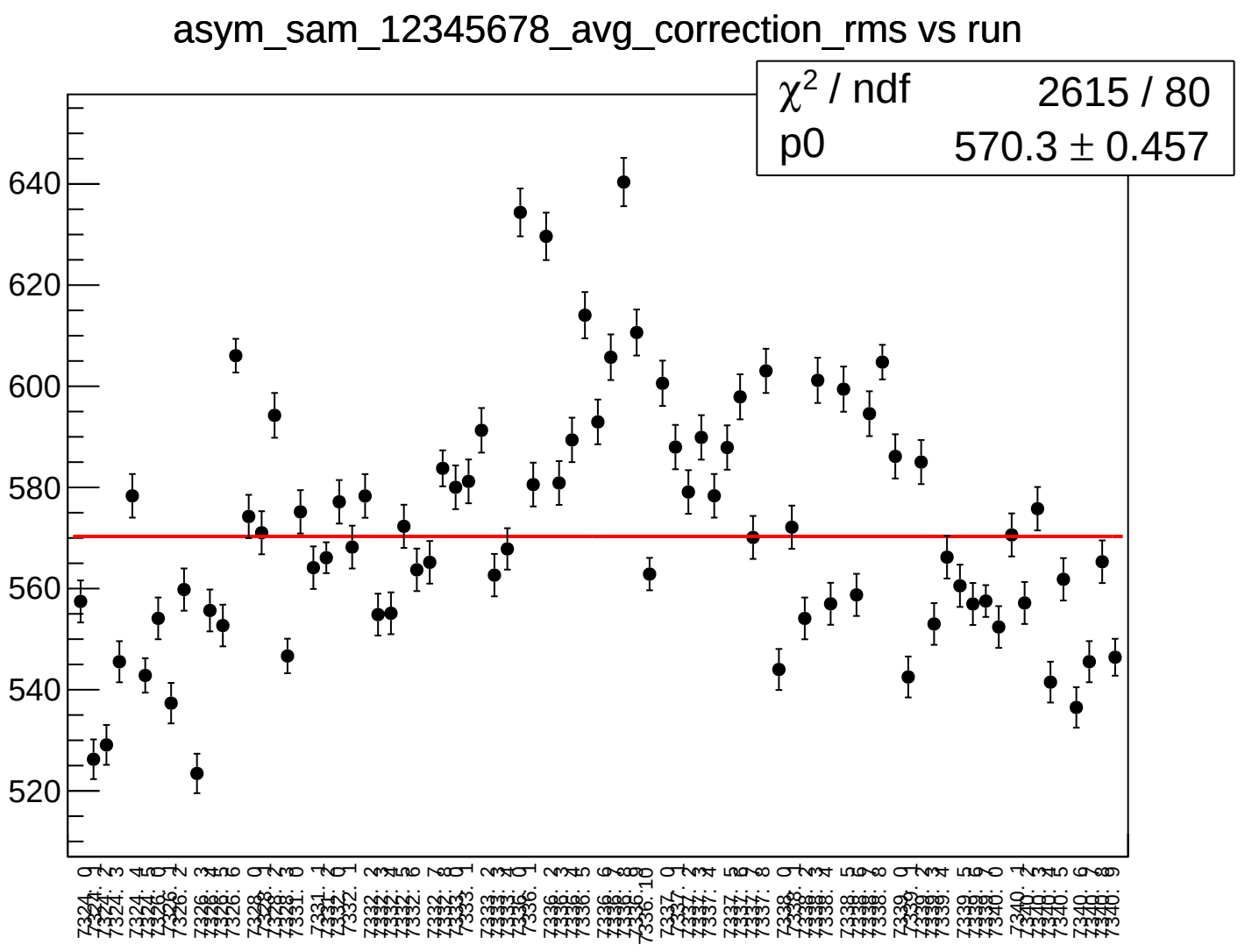

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.58e+04 / 80
p0 170.5 ± 0.1372
220
210
200
190
180
170
160
150
140

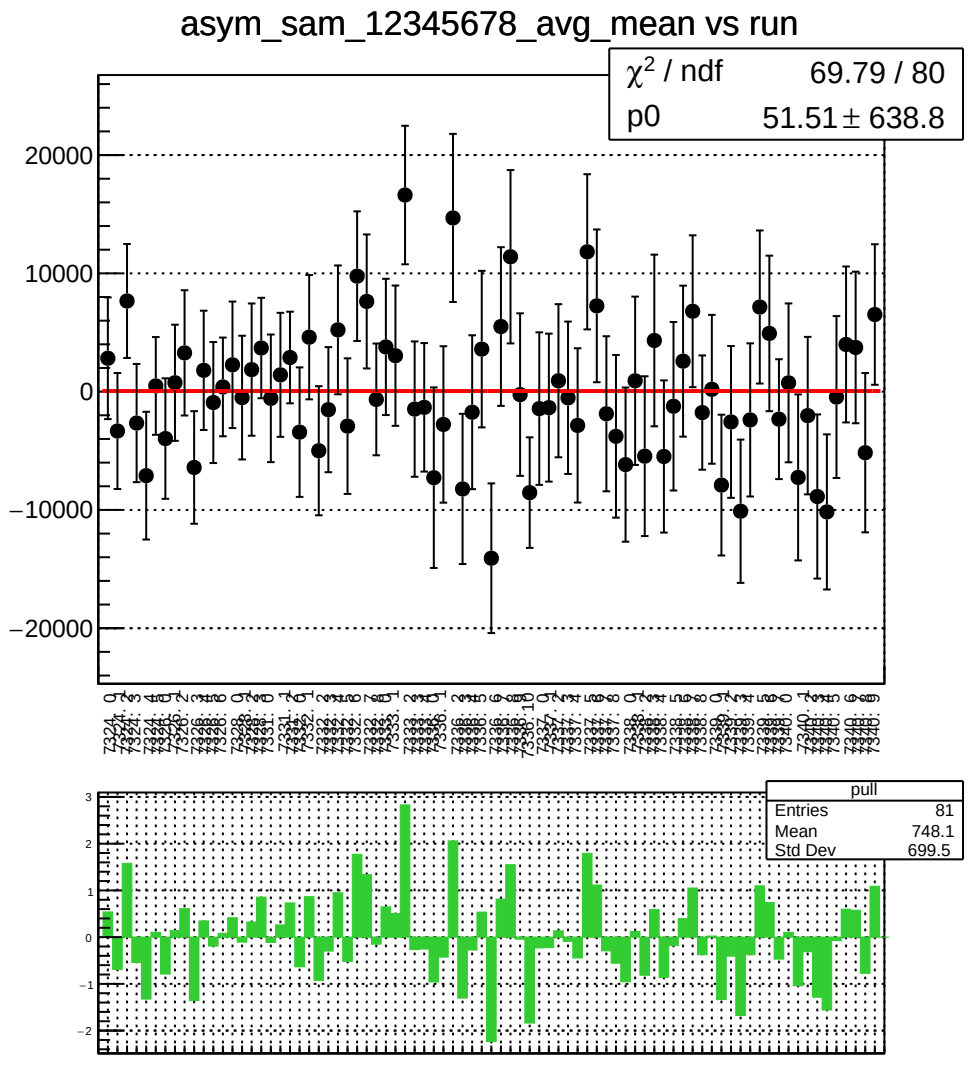

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 63.79 / 80
p0 −52.74 ± 142.9
pull
Entries 81
Mean 185.6
Std Dev 143.4
pull1D
Entries 81
Mean −0.03352
Std Dev 0.8868

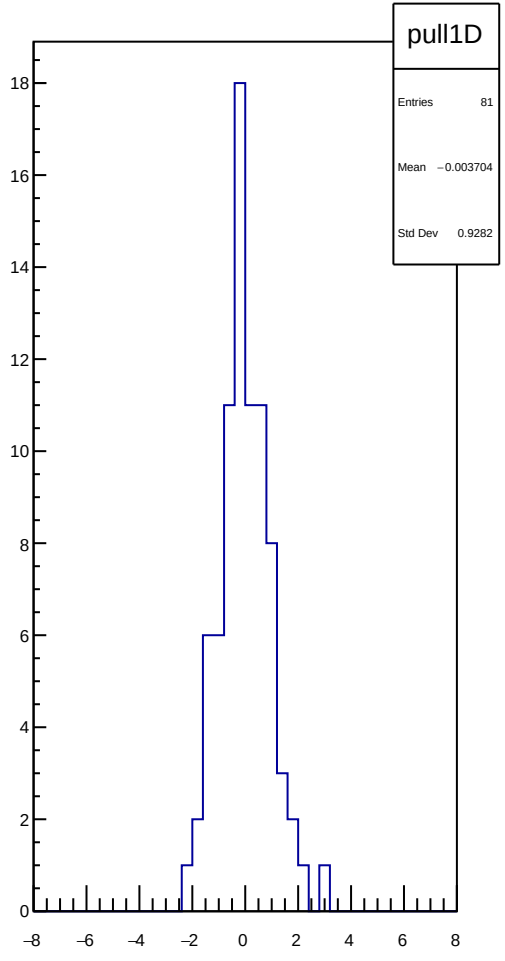

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8.843e+04 / 80
p0 122.5 ± 0.101
200
180
160
140
120
100
80

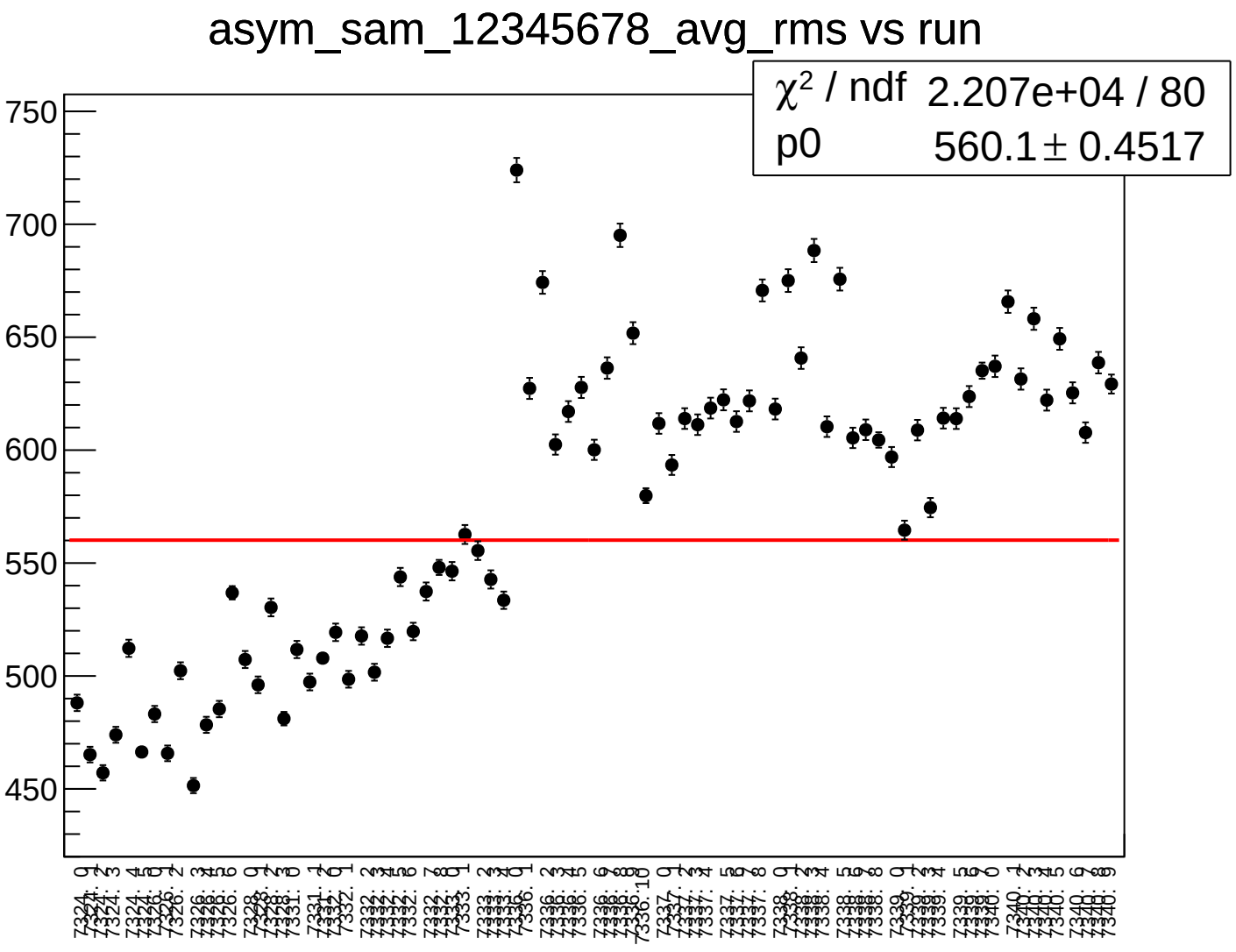

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 72.27 / 80
p0 −11.32 ± 646.3
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −78.77
Std Dev 130.6
2
1
0
−1
−2
−3

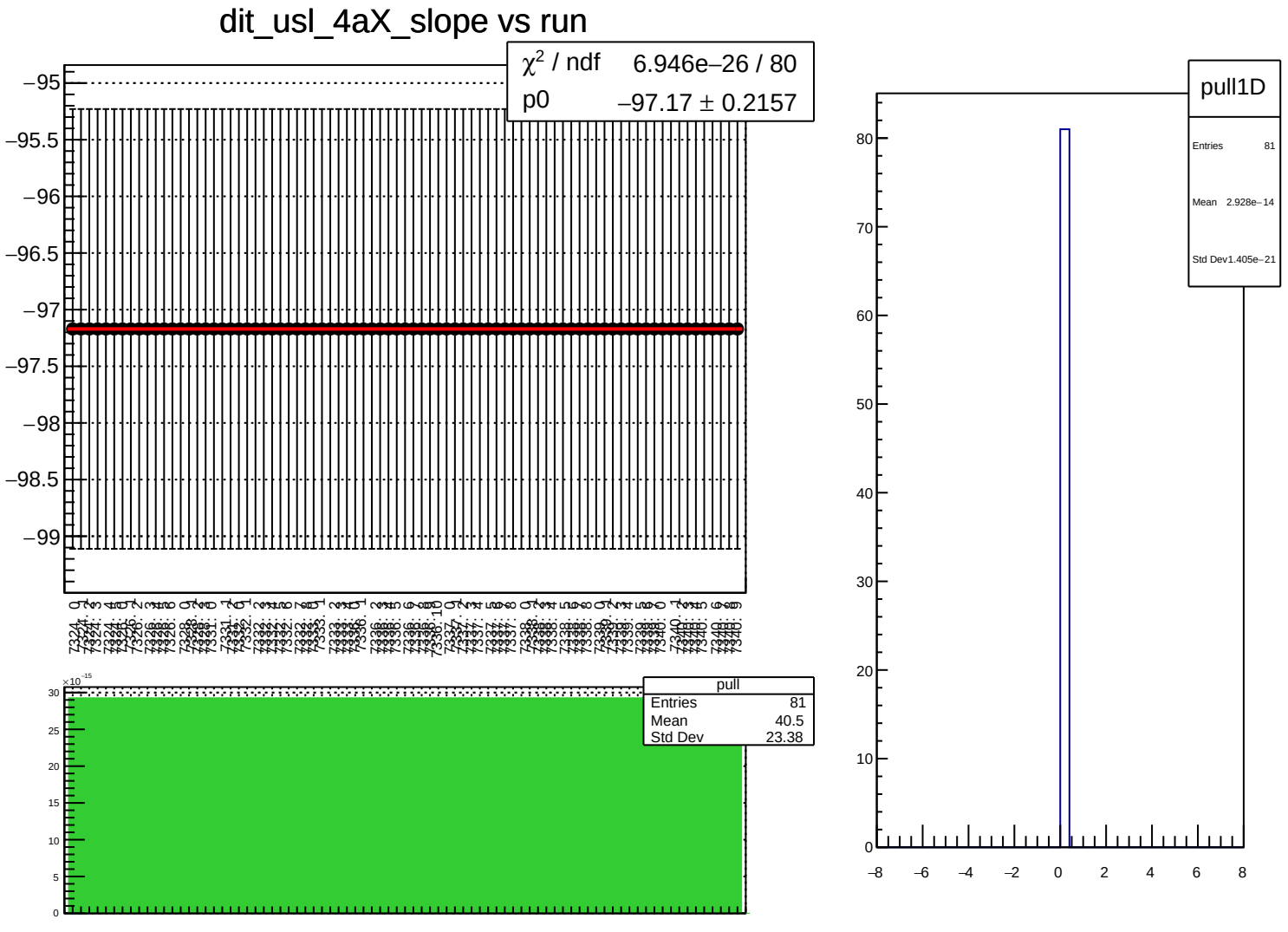

pull1D
Entries 81
Mean −0.01219
Std Dev 0.9445
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

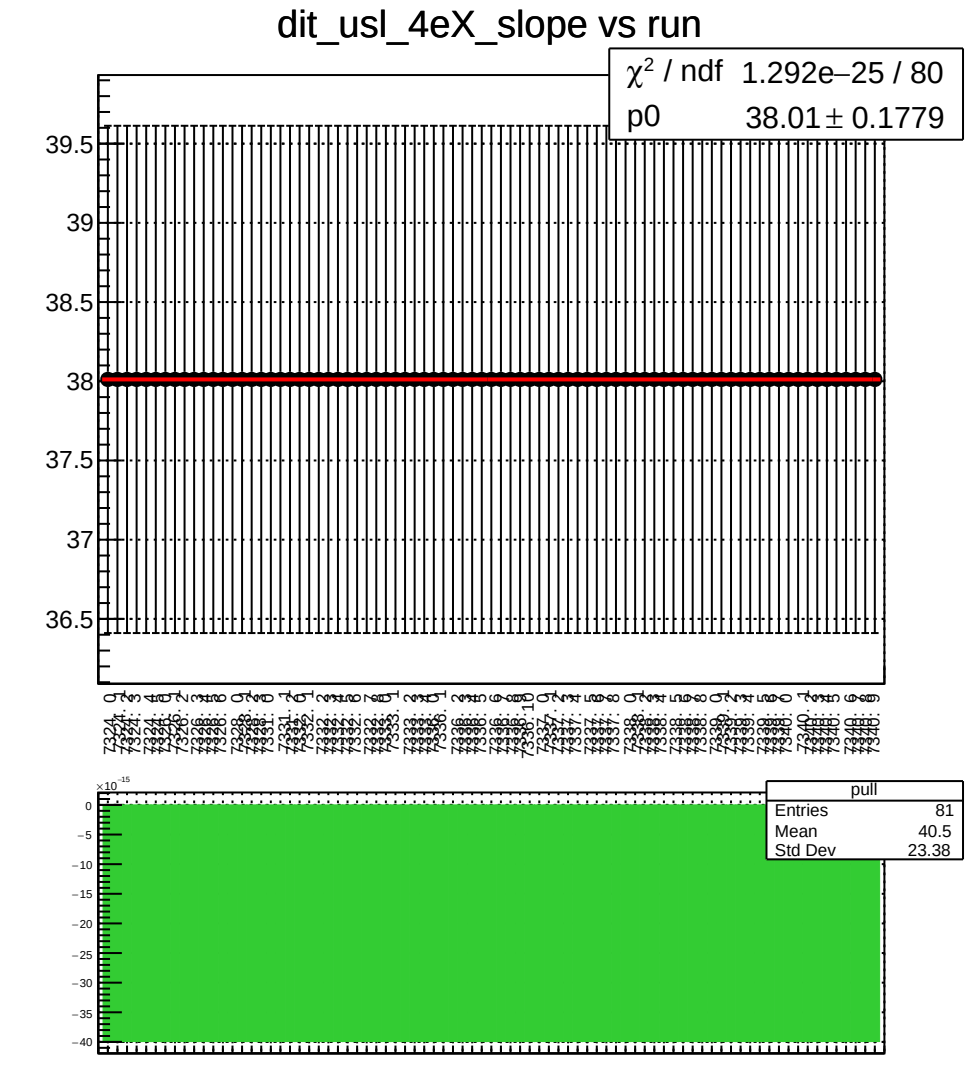

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2615 / 80
p0 570.3 ± 0.457
640
620
600
580
560
540
520

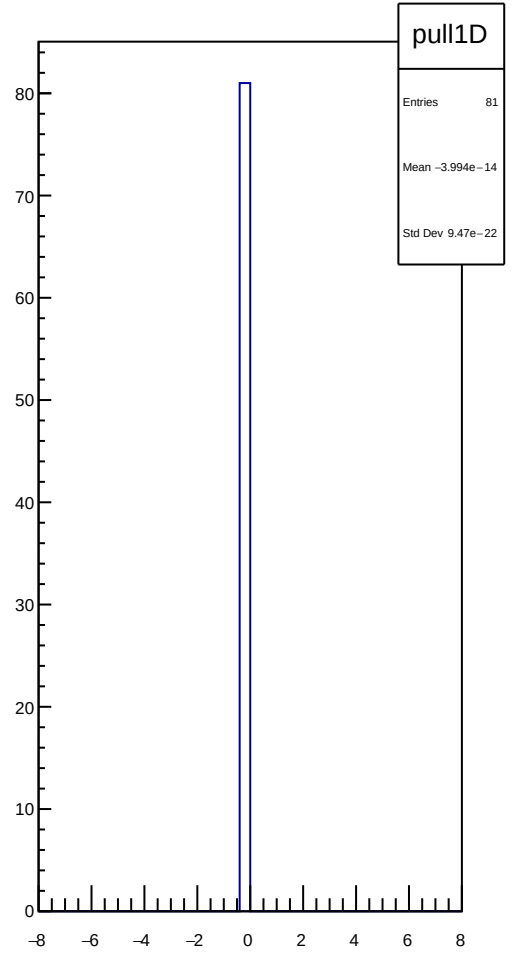

asym_sam_12345678_avg_mean vs run
χ² / ndf 69.79 / 80
p0 51.51 ± 638.8
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 748.1
Std Dev 699.5
3
2
1
0
−1
−2

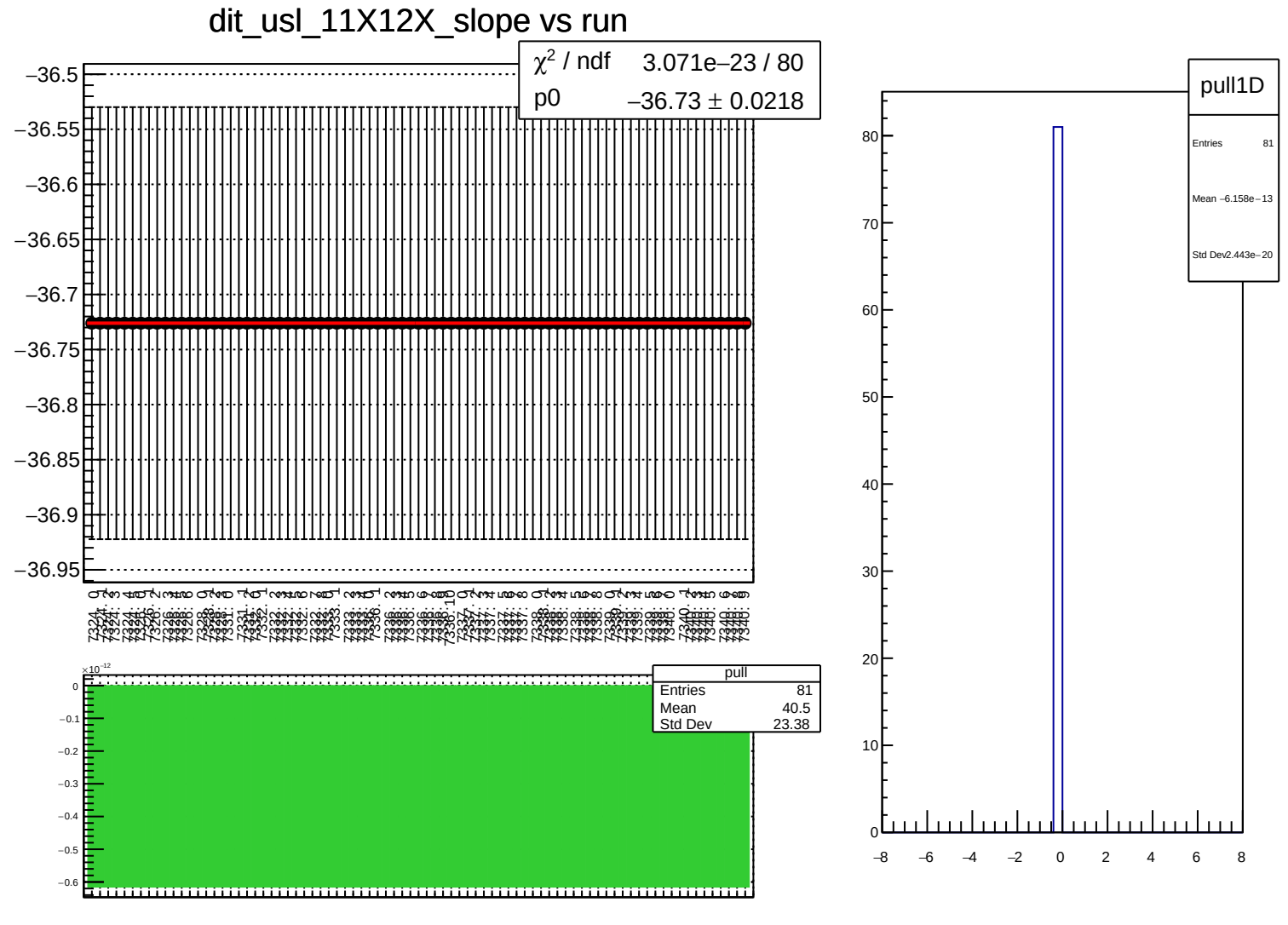

pull1D
Entries 81
Mean −0.003704
Std Dev 0.9282
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

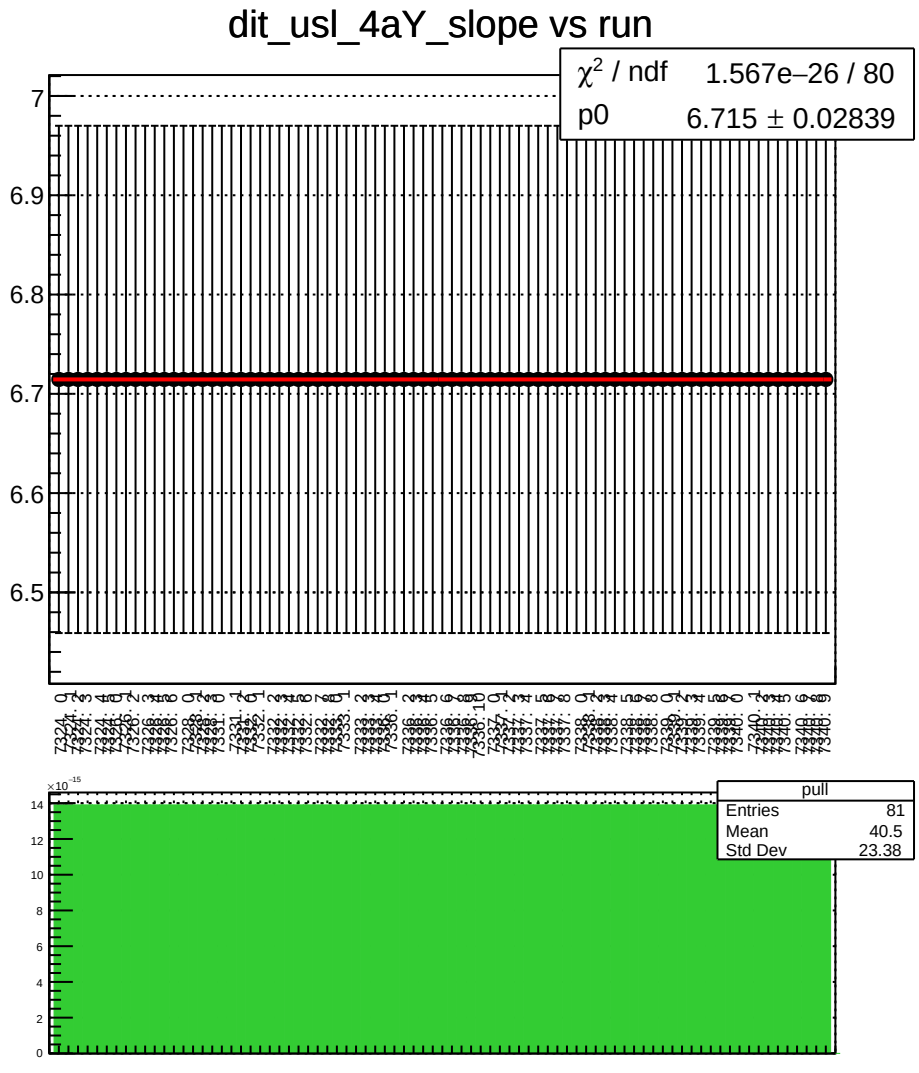

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.207e+04 / 80
p0 560.1 ± 0.4517
750
700
650
600
550
500
450

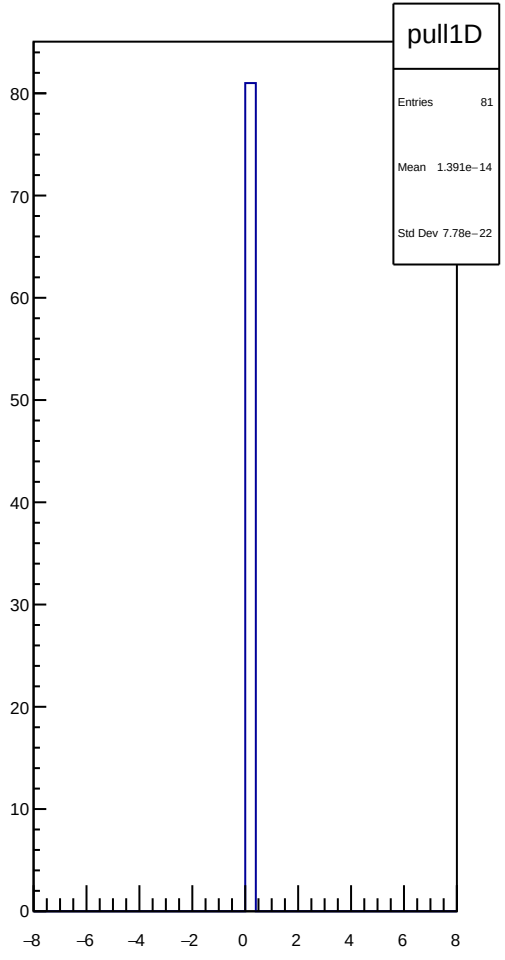

dit_usl_4aX_slope vs run
χ² / ndf 6.946e−26 / 80
p0 −97.17 ± 0.2157
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.928e−14
Std Dev1.405e−21

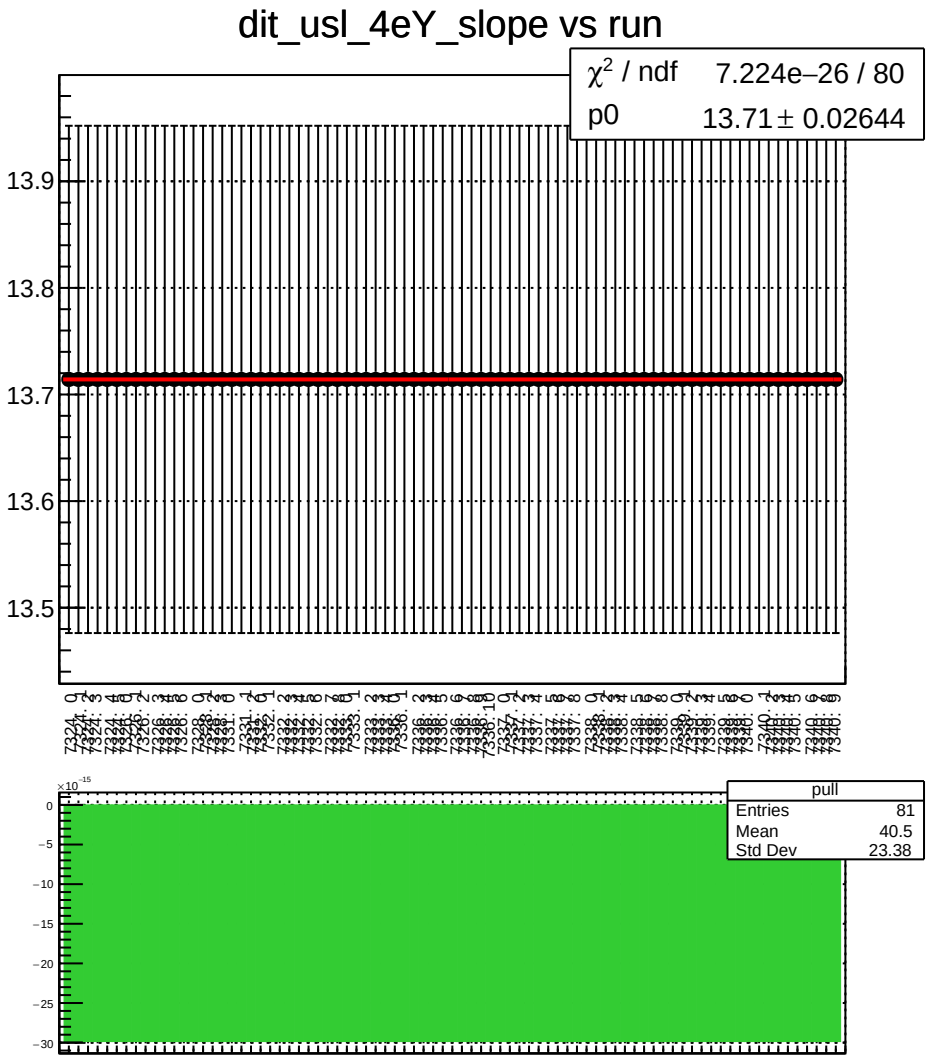

dit_usl_4eX_slope vs run
χ² / ndf 1.292e−25 / 80
p0 38.01 ± 0.1779
39.5
39
38.5
38
37.5
37
36.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

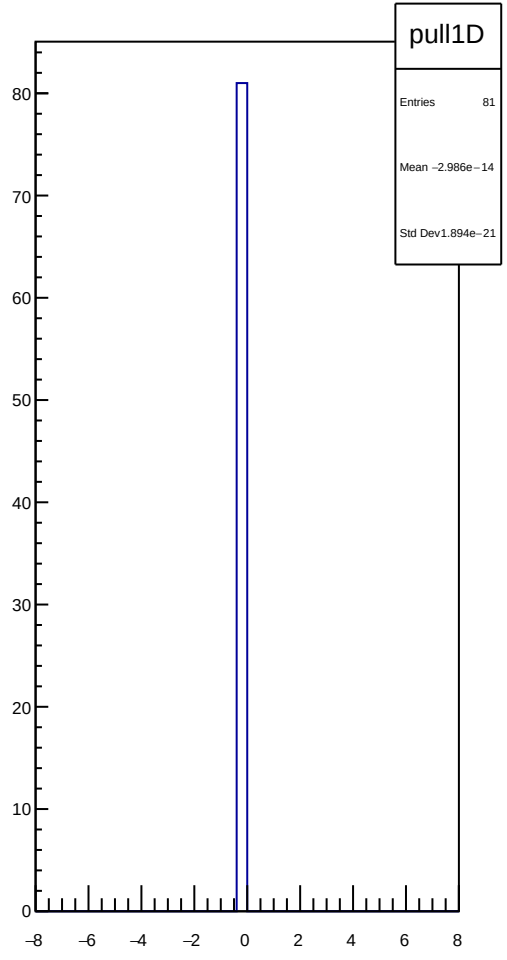

pull1D
Entries 81
Mean −3.994e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

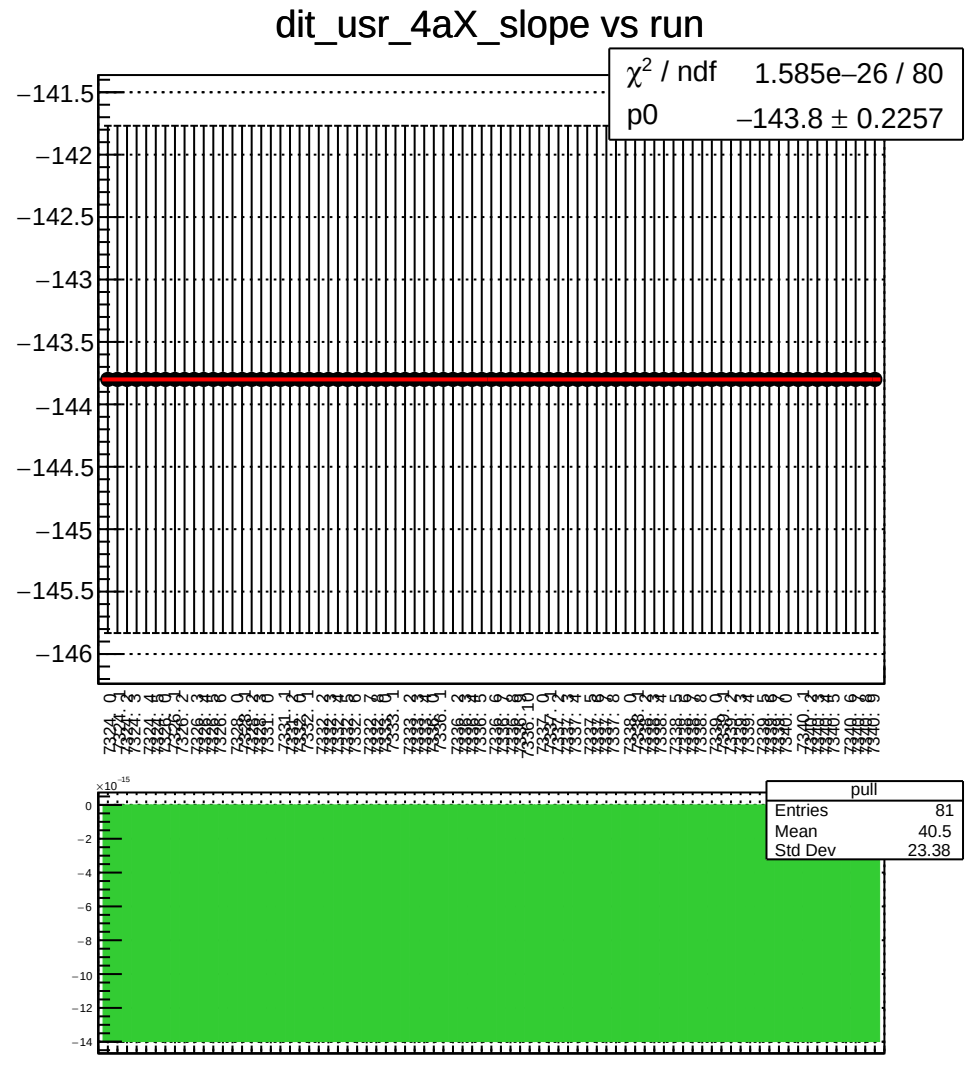

dit_usl_11X12X_slope vs run
χ² / ndf 3.071e−23 / 80
p0 −36.73 ± 0.0218
−36.5
−36.55
−36.6
−36.65
−36.7
−36.75
−36.8
−36.85
−36.9
−36.95
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 81
Mean −6.158e−13
Std Dev2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

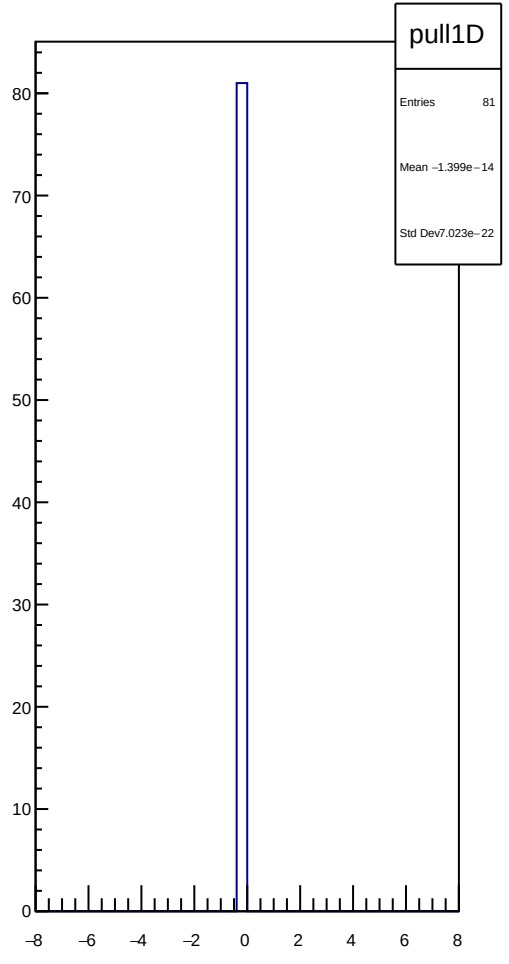

dit_usl_4aY_slope vs run
χ² / ndf 1.567e−26 / 80
p0 6.715 ± 0.02839
pull
Entries 81
Mean 40.5
Std Dev 23.38

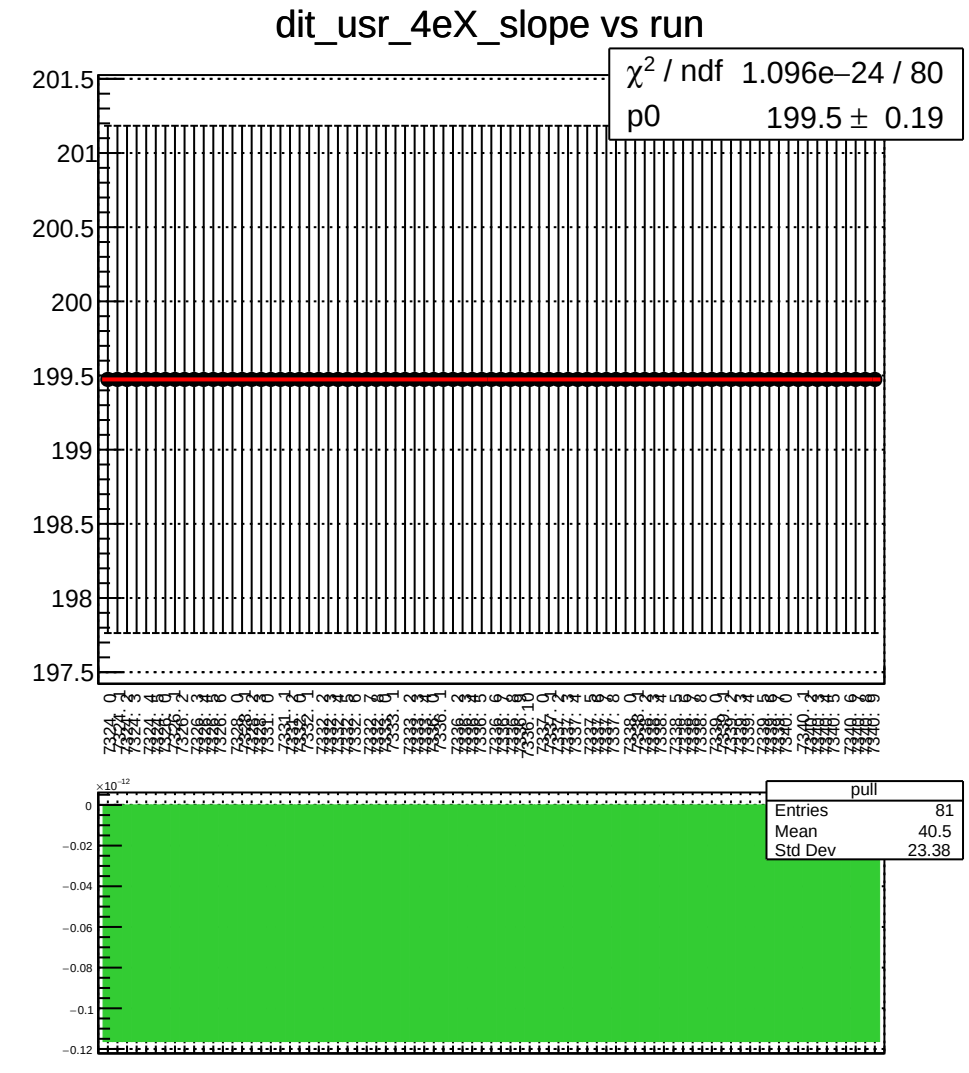

pull1D
Entries 81
Mean 1.391e−14
Std Dev 7.78e−22

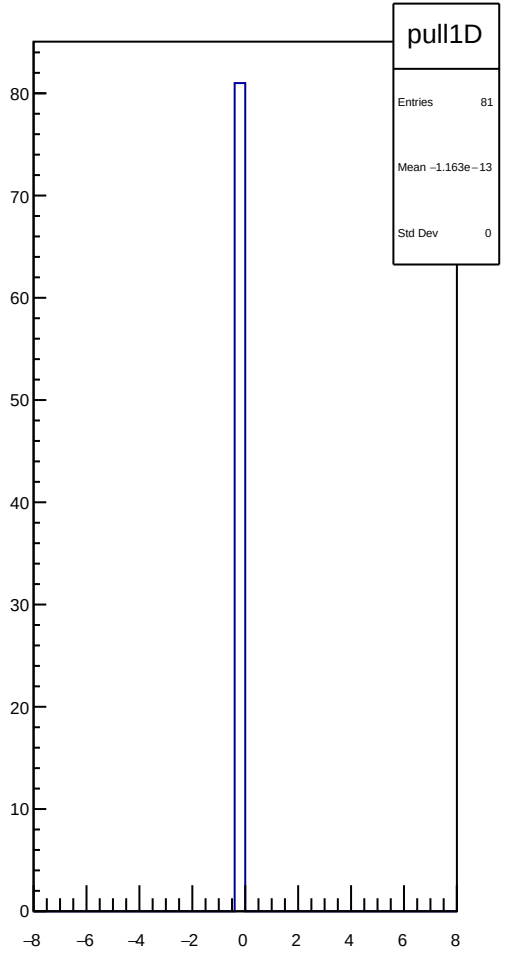

dit_usl_4eY_slope vs run
χ² / ndf 7.224e−26 / 80
p0 13.71 ± 0.02644
13.9
13.8
13.7
13.6
13.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

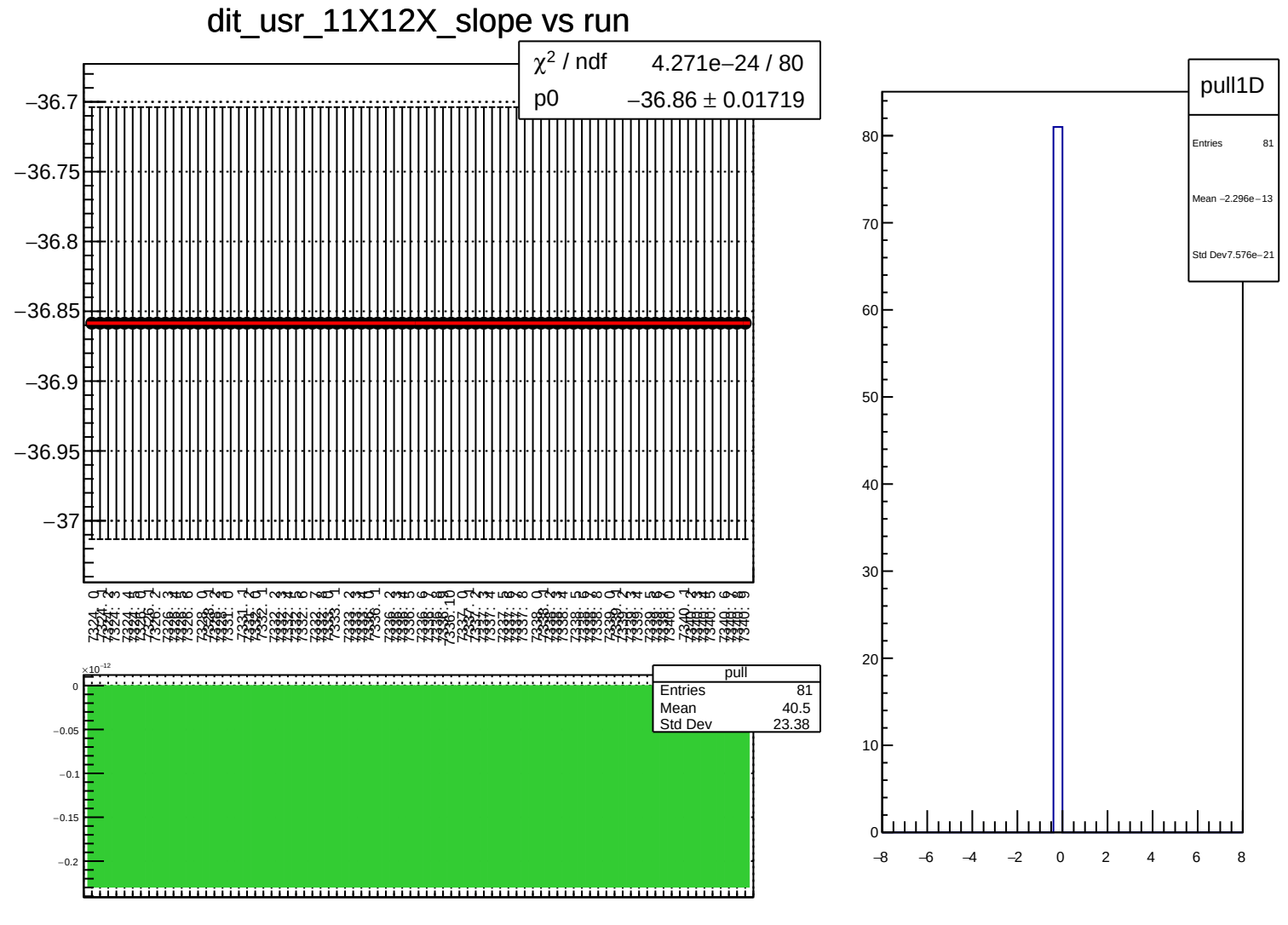

pull1D
Entries 81
Mean −2.986e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

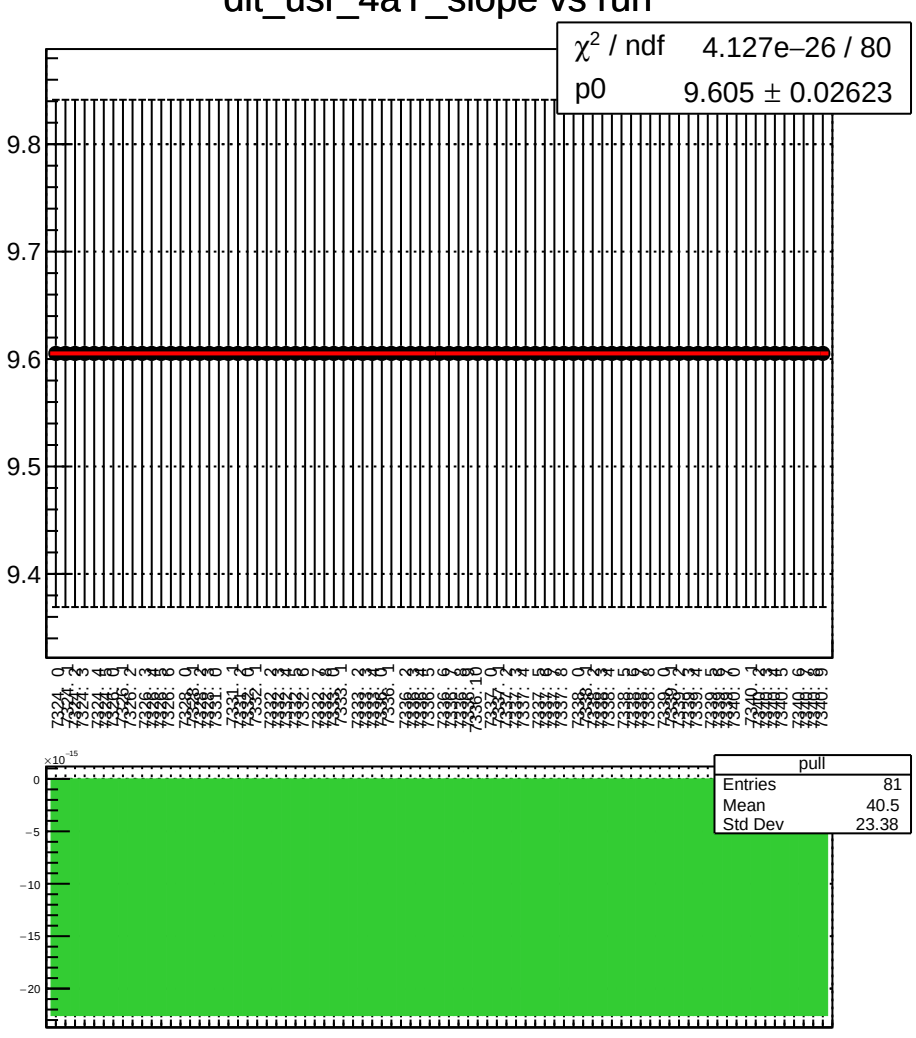

dit_usr_4aX_slope vs run
χ² / ndf 1.585e−26 / 80
p0 −143.8 ± 0.2257
−141.5
−142
−142.5
−143
−143.5
−144
−144.5
−145
−145.5
−146
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

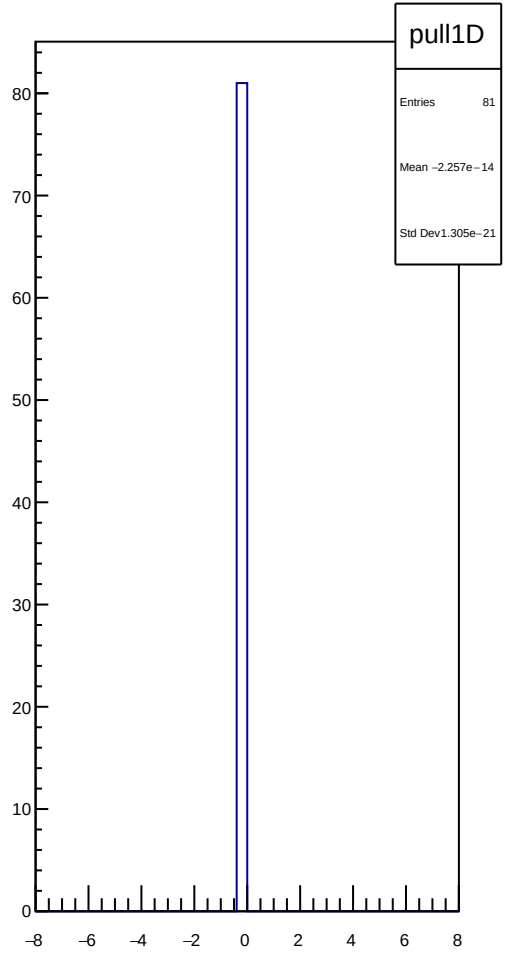

pull1D
Entries 81
Mean −1.399e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

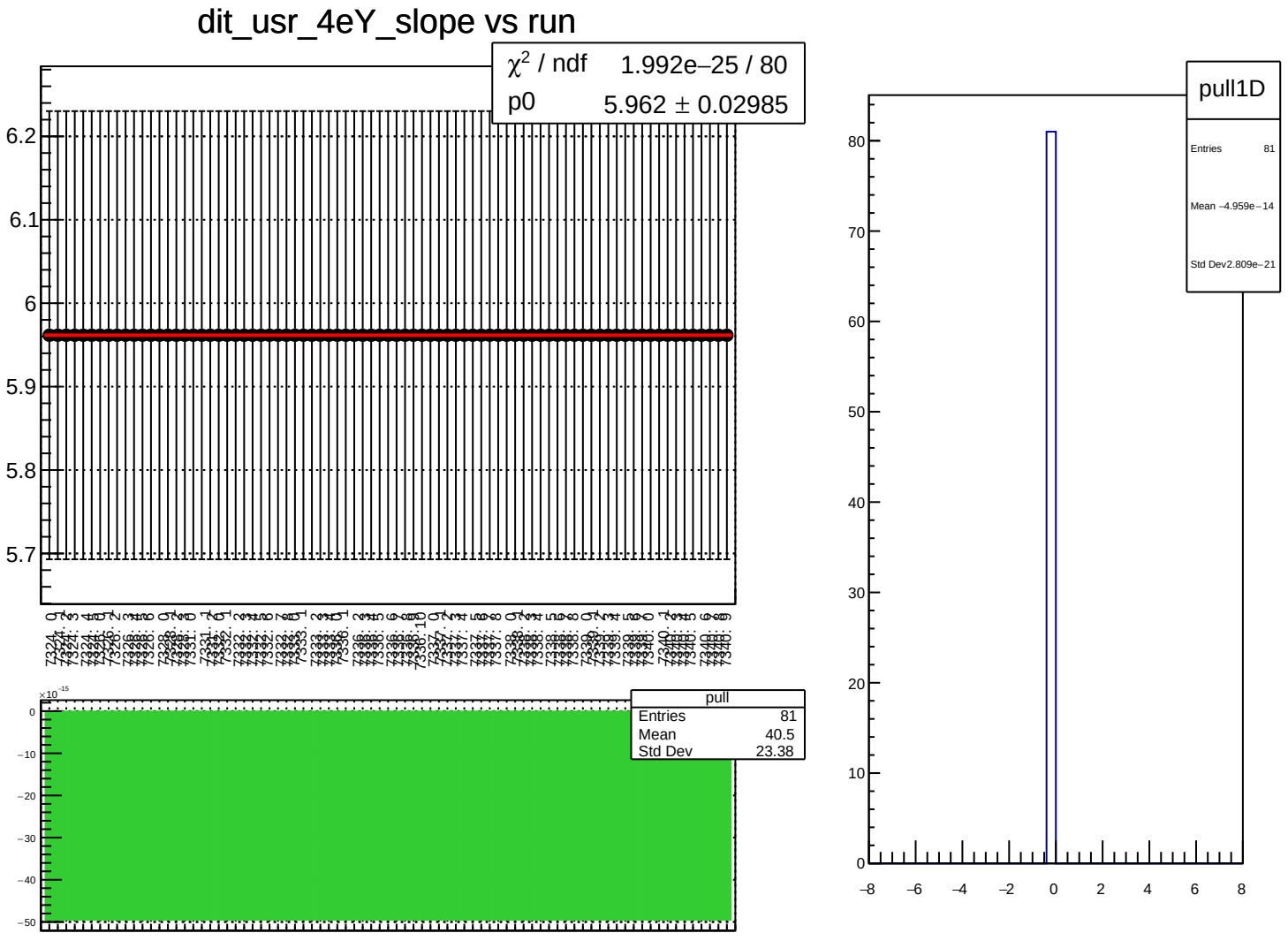

dit_usr_4eX_slope vs run
χ² / ndf 1.096e−24 / 80
p0 199.5 ± 0.19
201.5
201
200.5
200
199.5
199
198.5
198
197.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

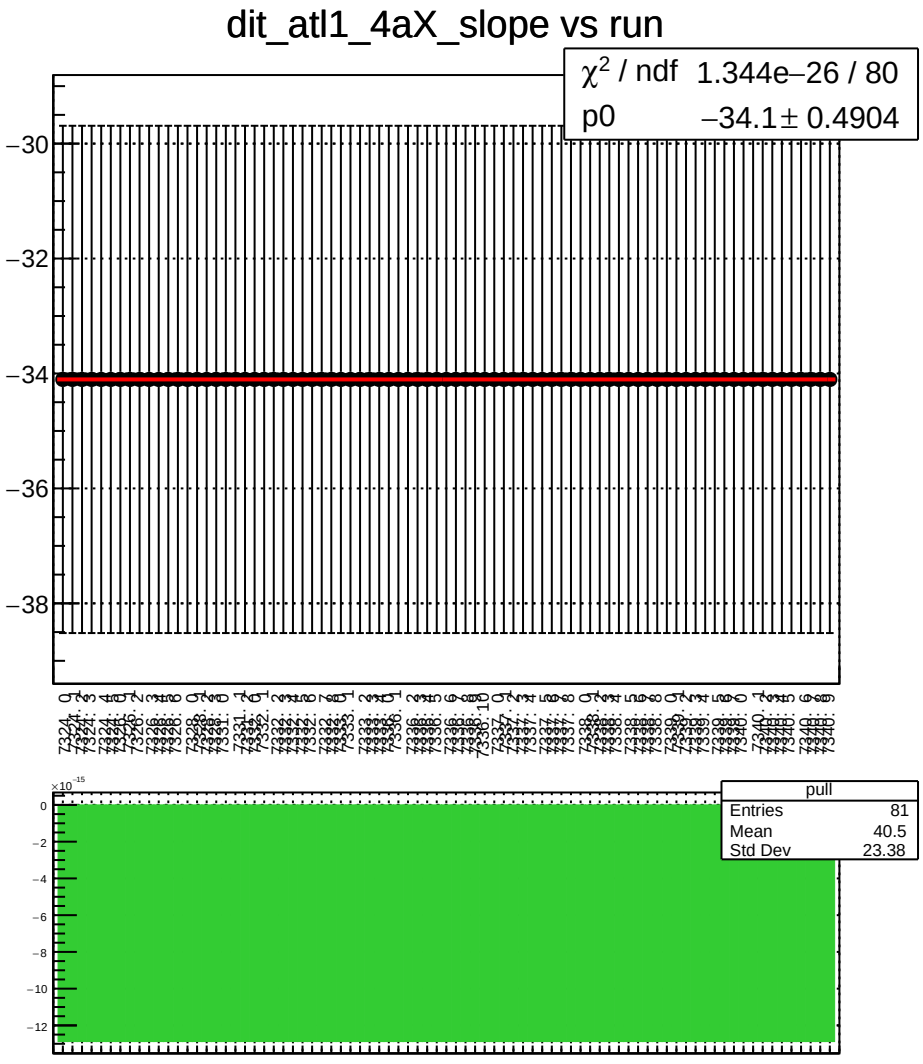

pull1D
Entries 81
Mean −1.163e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

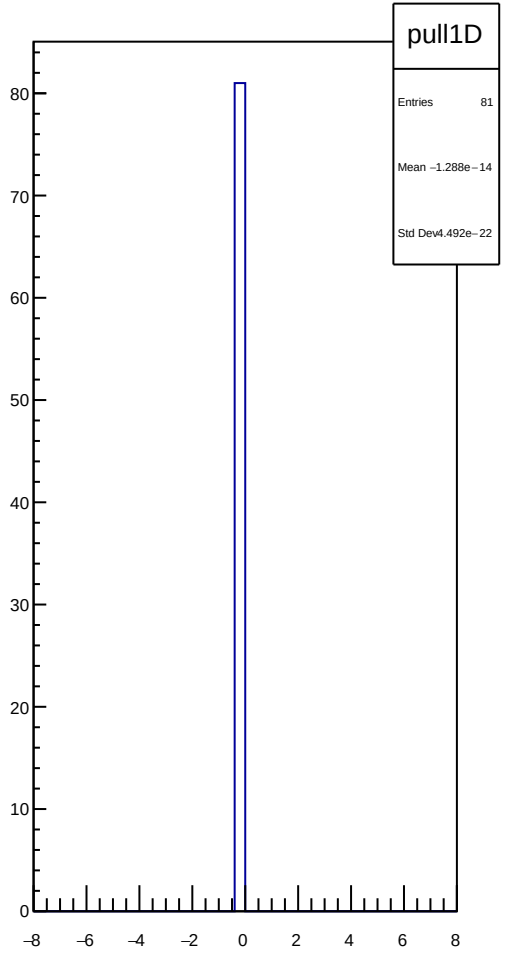

dit_usr_11X12X_slope vs run
χ² / ndf 4.271e−24 / 80
p0 −36.86 ± 0.01719
−36.7
−36.75
−36.8
−36.85
−36.9
−36.95
−37
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 81
Mean −2.296e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

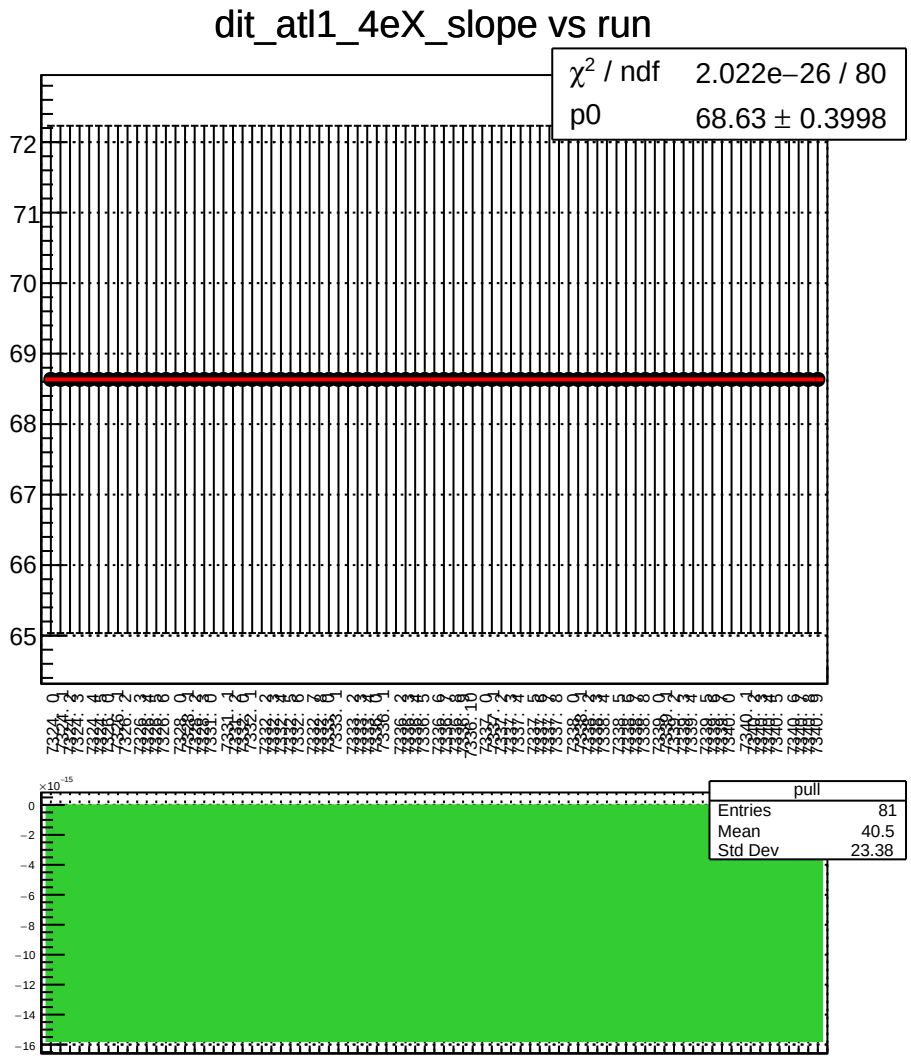

dit_usr_4aY_slope vs run
χ² / ndf 4.127e−26 / 80
p0 9.605 ± 0.02623
9.8
9.7
9.6
9.5
9.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20

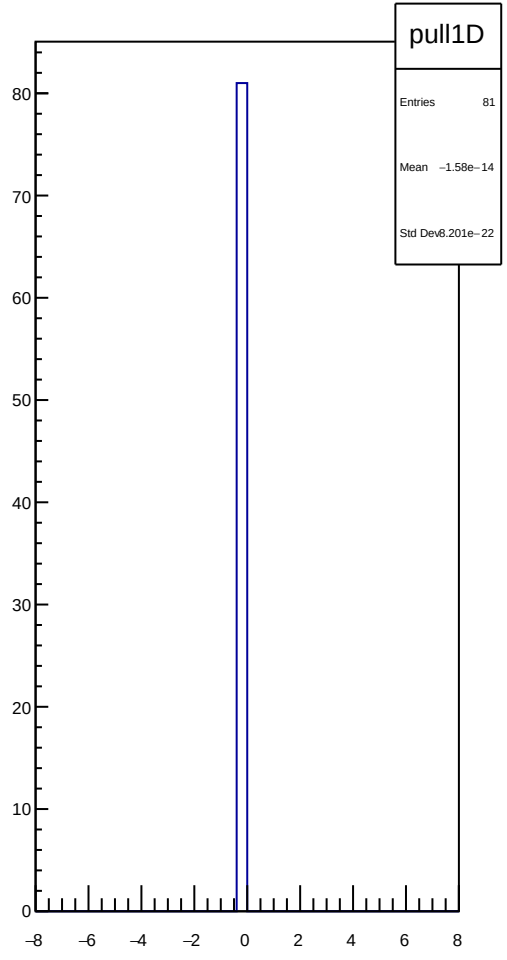

pull1D
Entries 81
Mean −2.257e−14
Std Dev1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

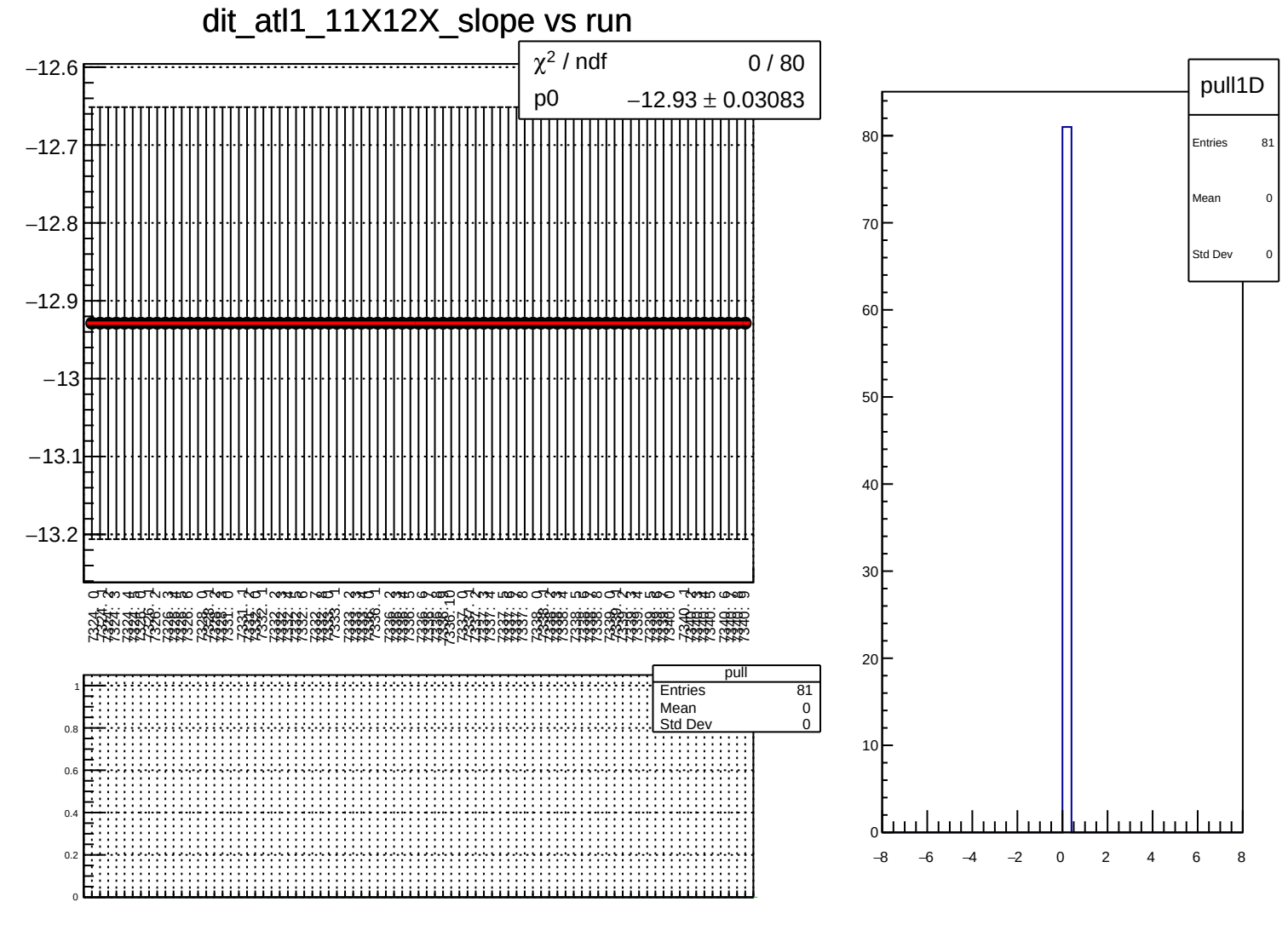

dit_usr_4eY_slope vs run
χ² / ndf 1.992e−25 / 80
p0 5.962 ± 0.02985
6.2
6.1
6
5.9
5.8
5.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −4.959e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

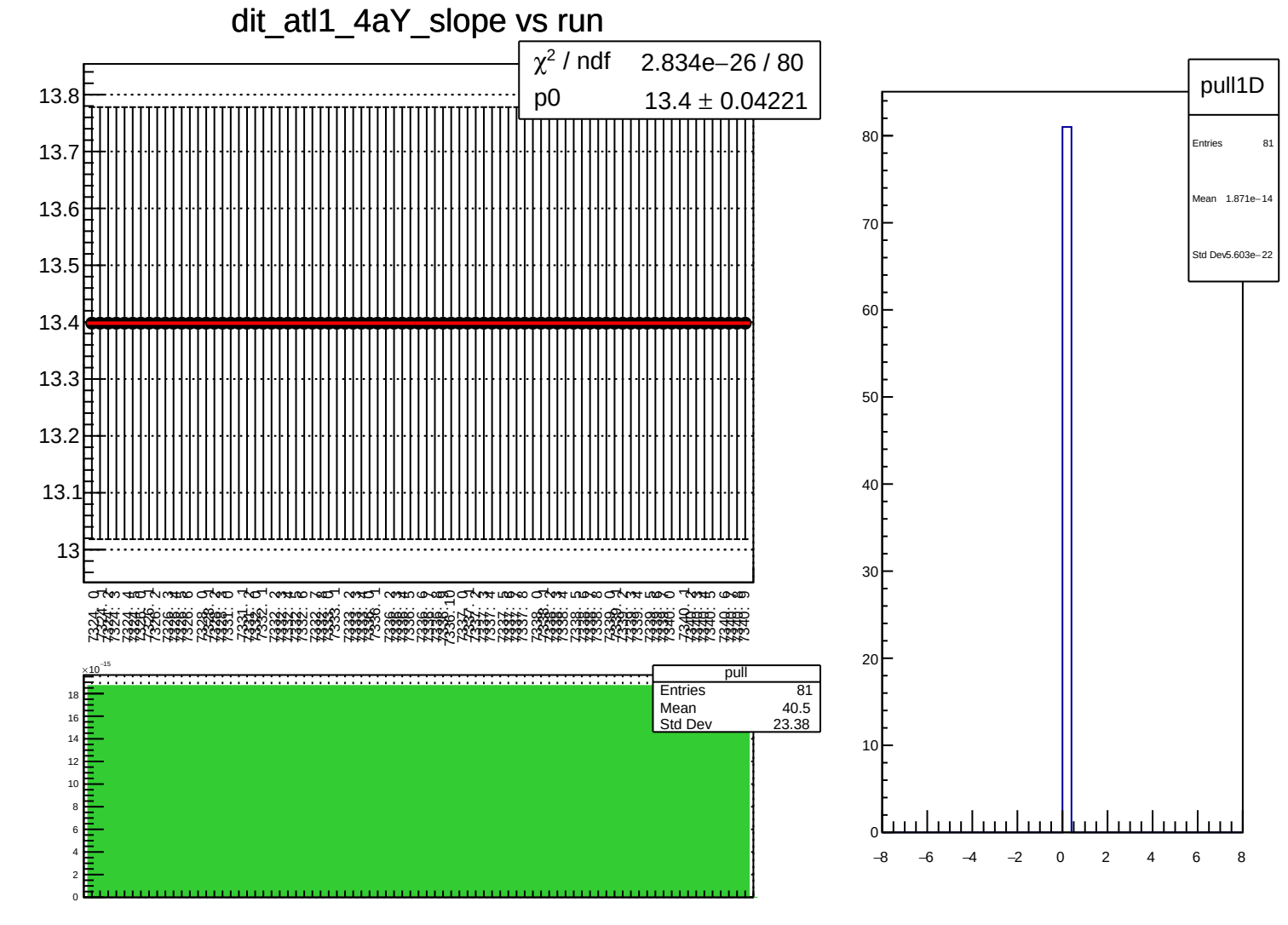

dit_atl1_4aX_slope vs run
χ² / ndf 1.344e−26 / 80
p0 −34.1 ± 0.4904
−30
−32
−34
−36
−38
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

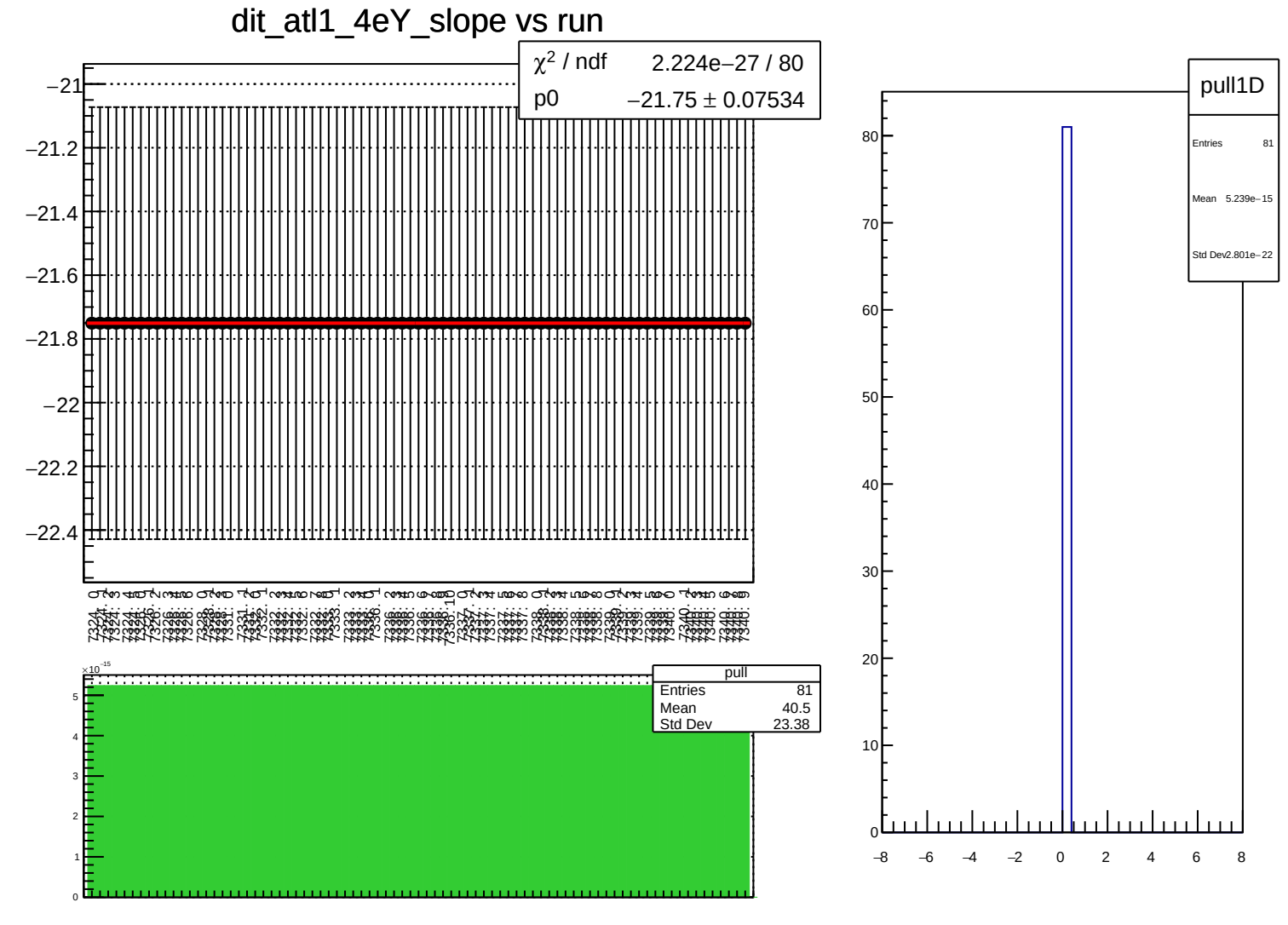

pull1D
Entries 81
Mean −1.288e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

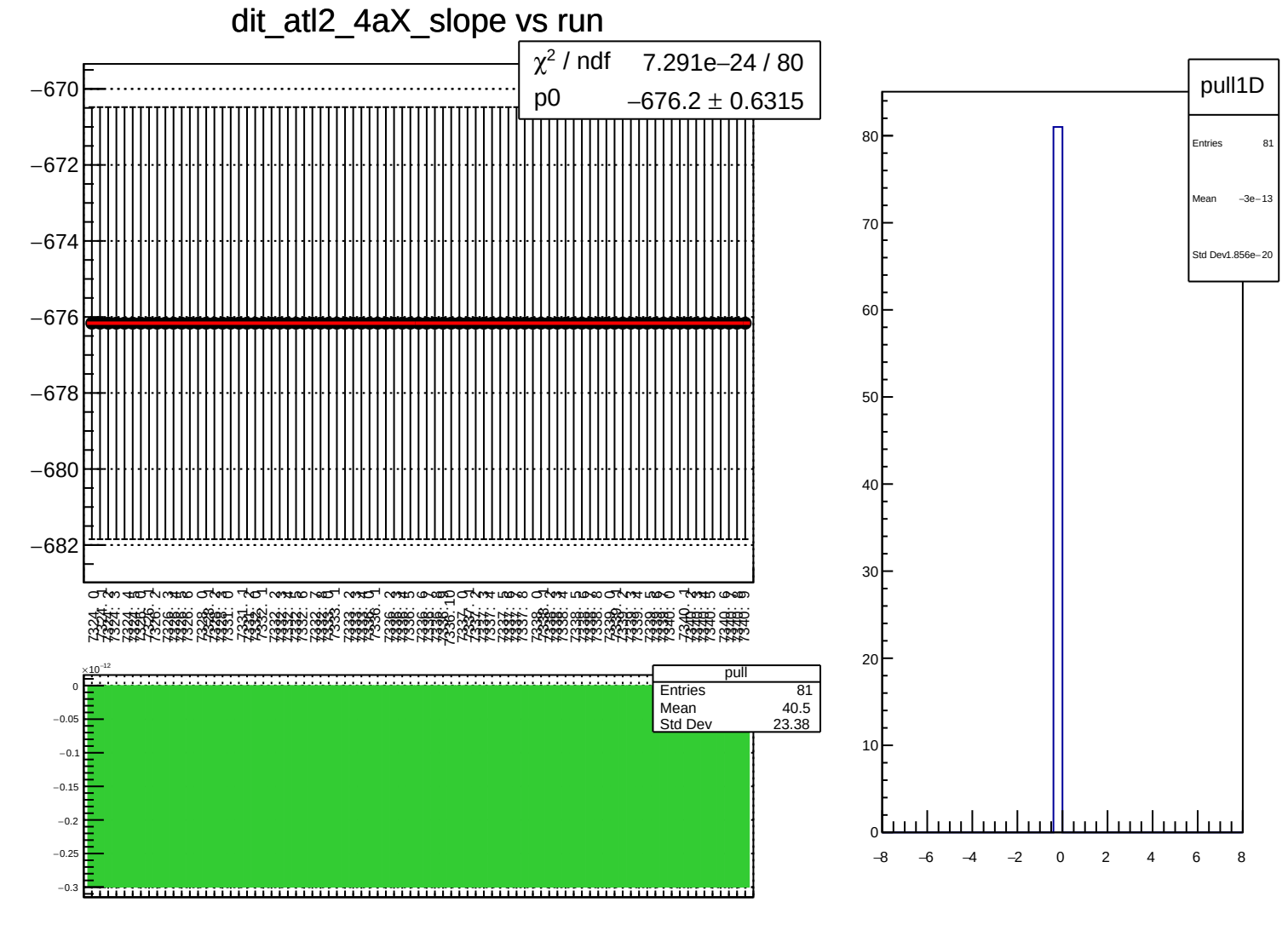

dit_atl1_4eX_slope vs run
χ² / ndf 2.022e−26 / 80
p0 68.63 ± 0.3998
pull
Entries 81
Mean 40.5
Std Dev 23.38

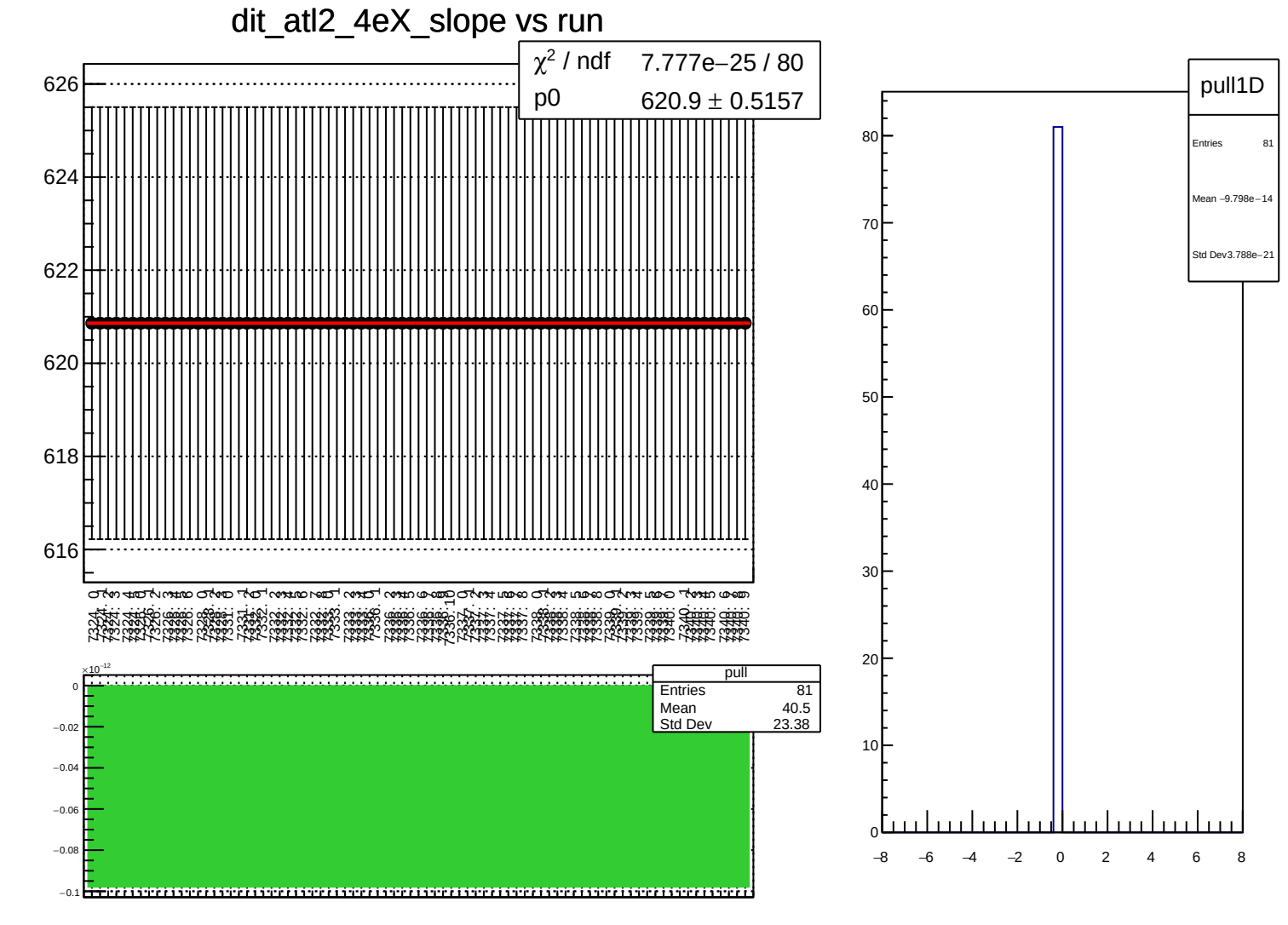

pull1D
Entries 81
Mean −1.58e−14
Std Dev 8.201e−22

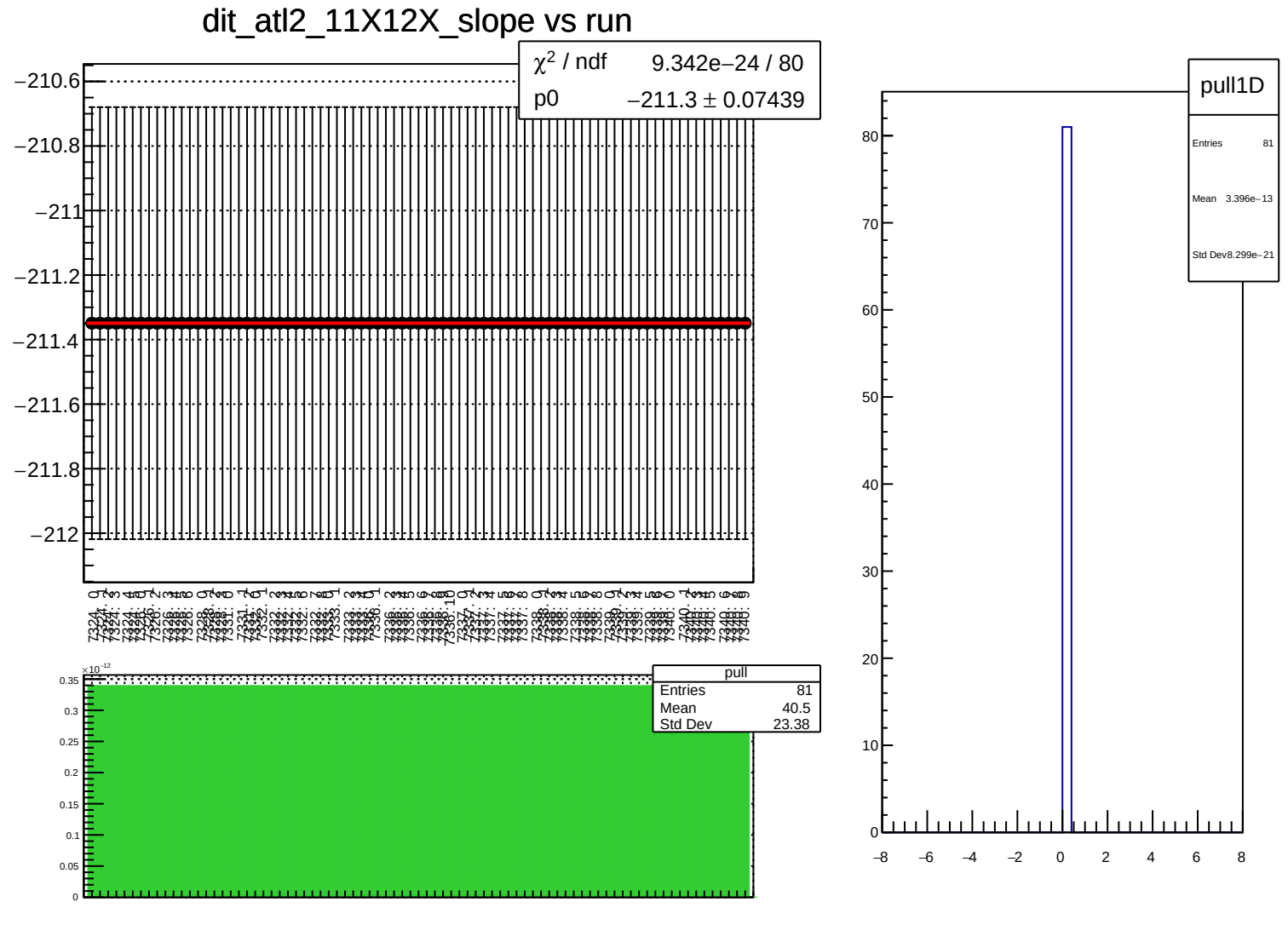

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 80
p0 −12.93 ± 0.03083
−12.6
−12.7
−12.8
−12.9
−13
−13.1
−13.2
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

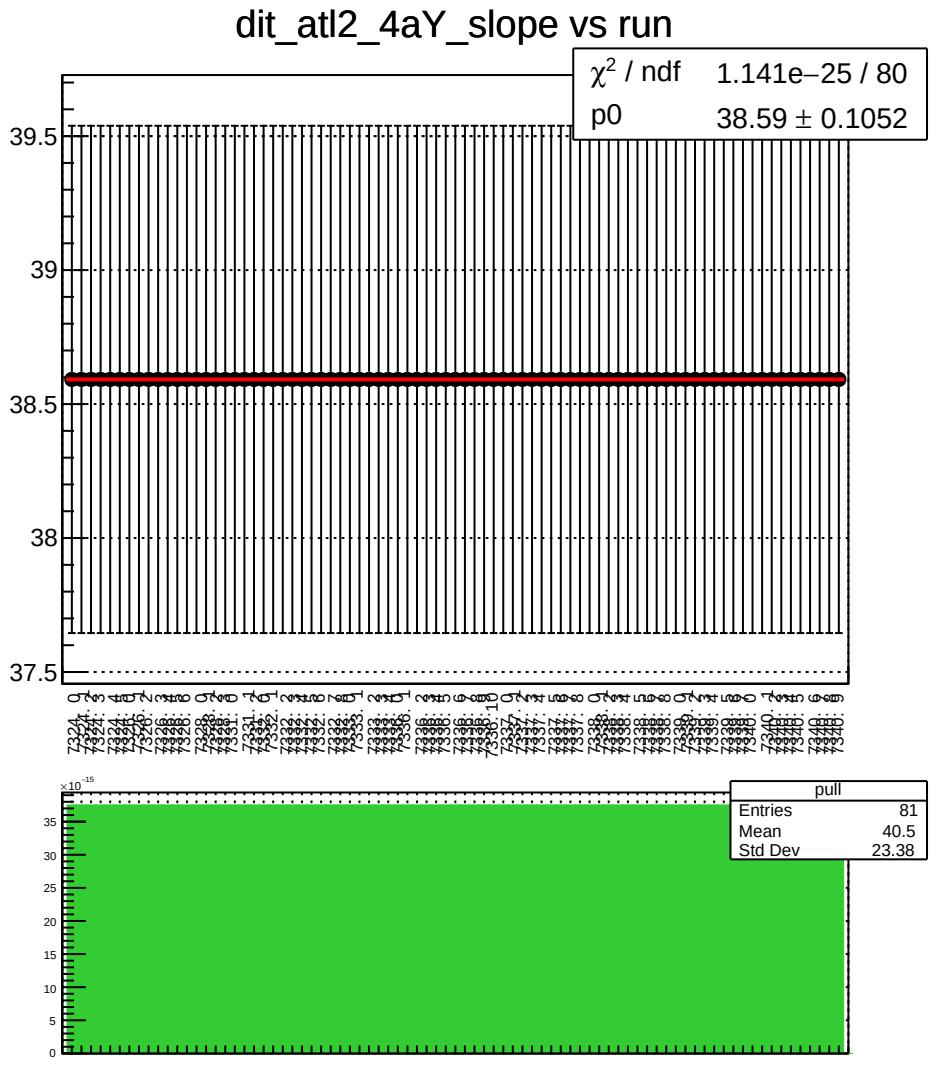

dit_atl1_4aY_slope vs run
χ² / ndf 2.834e−26 / 80
p0 13.4 ± 0.04221
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.871e−14
Std Dev 5.603e−22

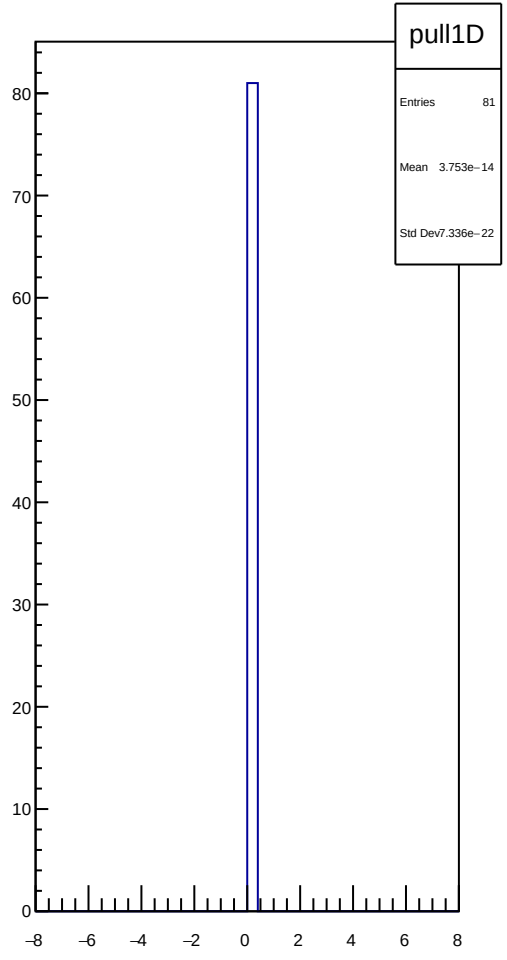

dit_atl1_4eY_slope vs run
χ² / ndf 2.224e−27 / 80
p0 −21.75 ± 0.07534
−21
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 5.239e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

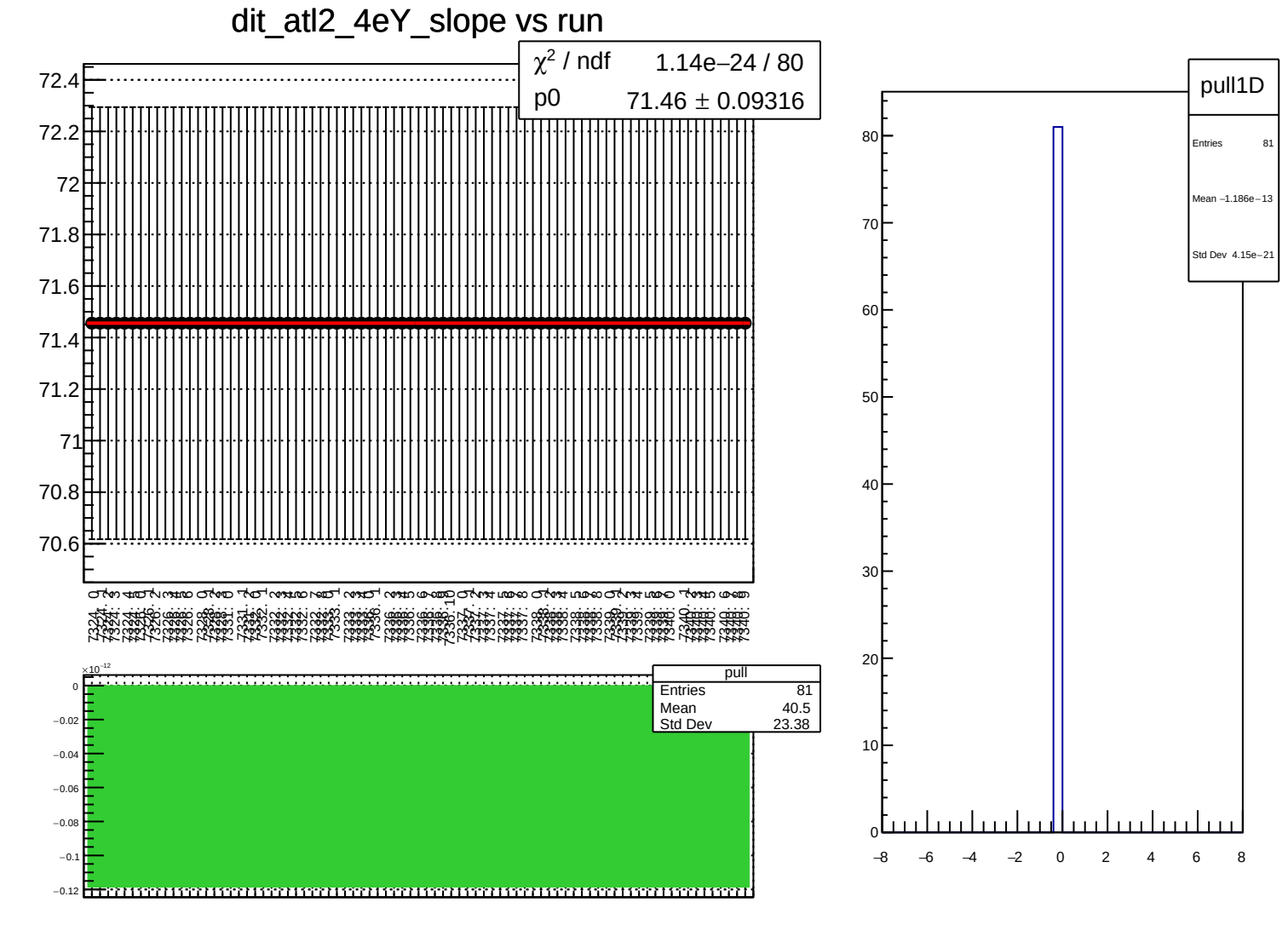

dit_atl2_4aX_slope vs run
χ² / ndf 7.291e−24 / 80
p0 −676.2 ± 0.6315
−670
−672
−674
−676
−678
−680
−682
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −3e−13
Std Dev1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

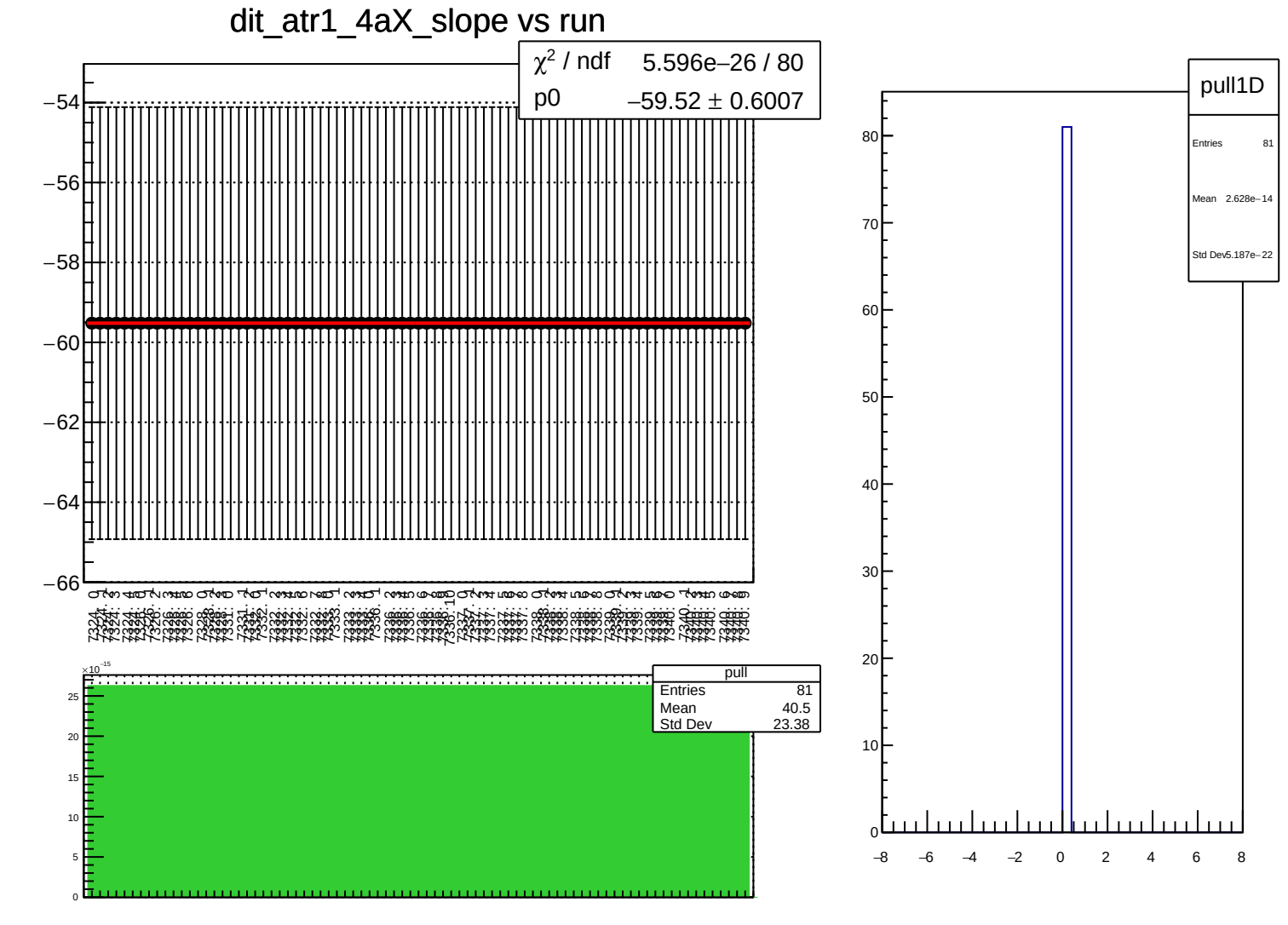

dit_atl2_4eX_slope vs run
χ² / ndf 7.777e−25 / 80
p0 620.9 ± 0.5157
626
624
622
620
618
616
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −9.798e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

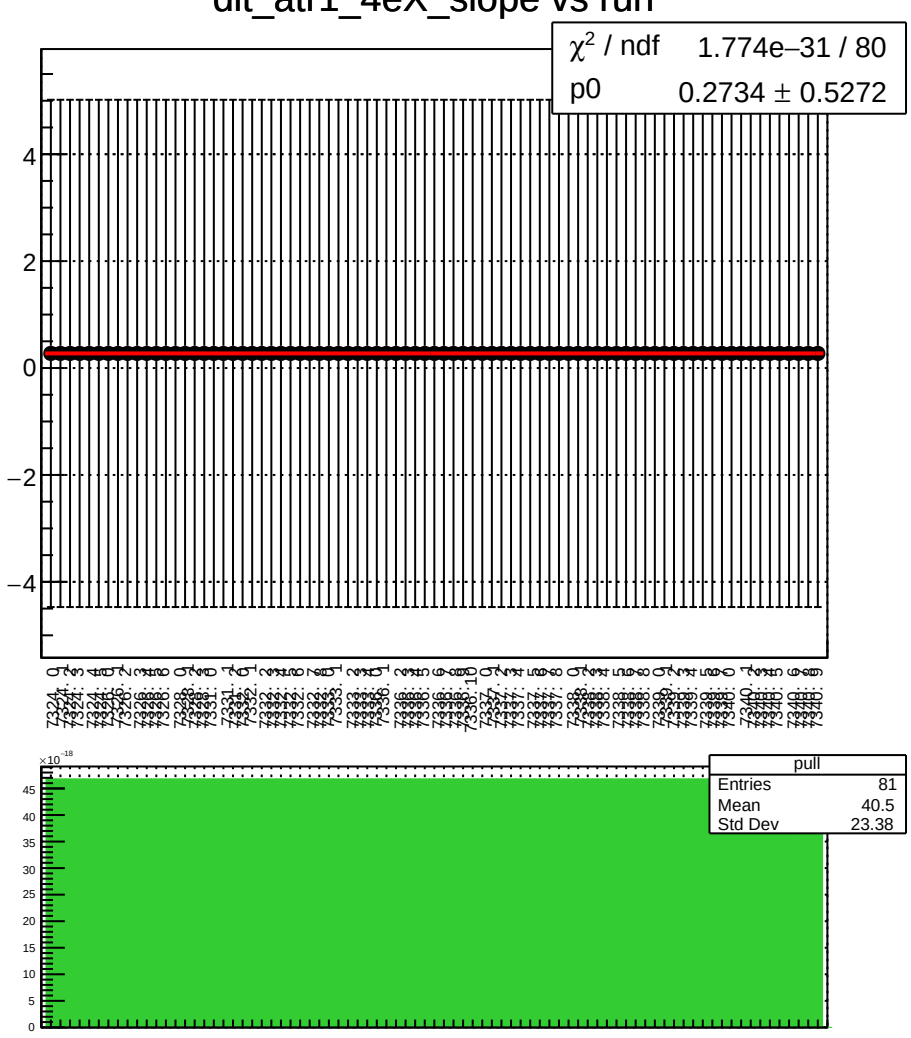

dit_atl2_11X12X_slope vs run
χ² / ndf 9.342e−24 / 80
p0 −211.3 ± 0.07439
−210.6
−210.8
−211
−211.2
−211.4
−211.6
−211.8
−212
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 81
Mean 3.396e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

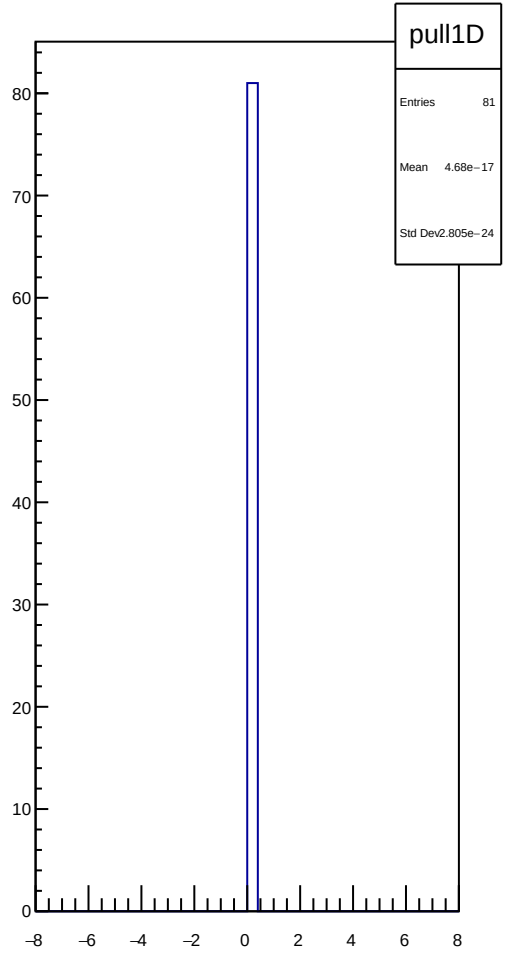

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.141e−25 / 80
p0 38.59 ± 0.1052
39.5
39
38.5
38
37.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
35
30
25
20
15
10
5
0

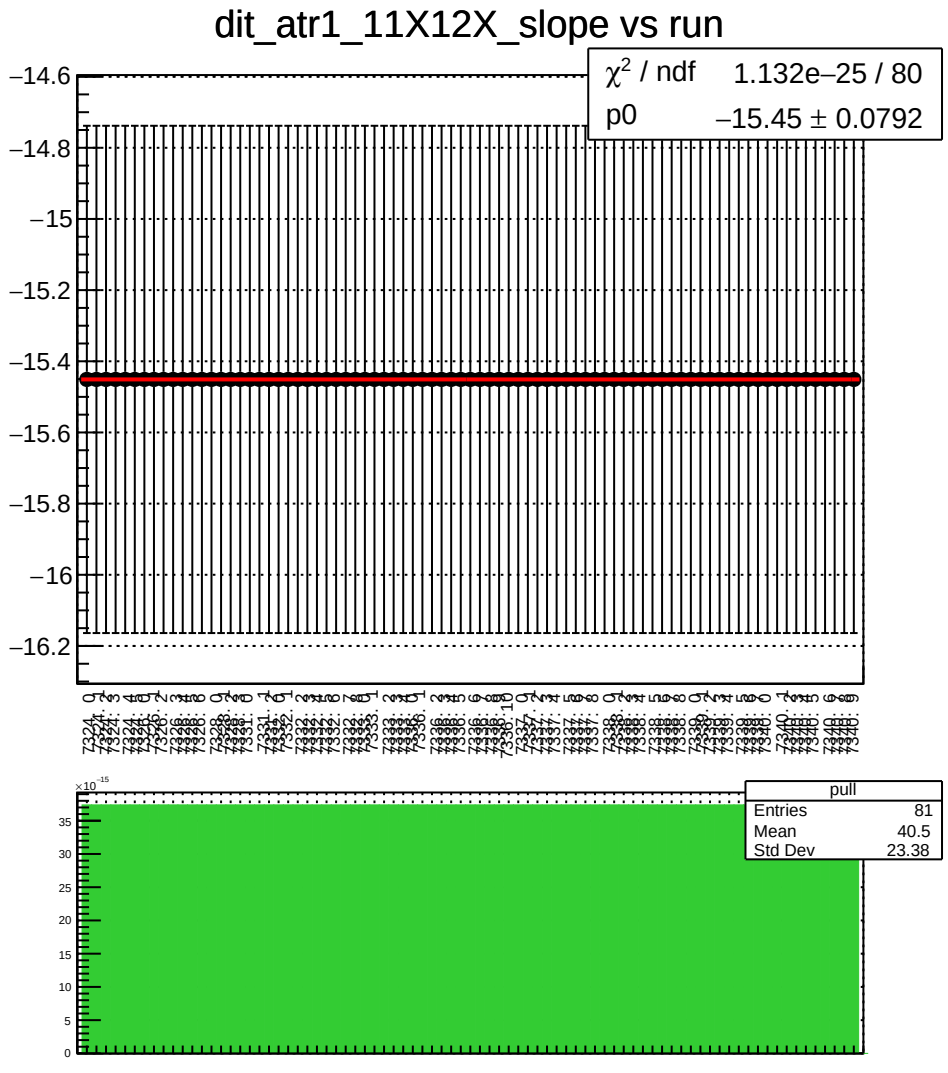

pull1D
Entries 81
Mean 3.753e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

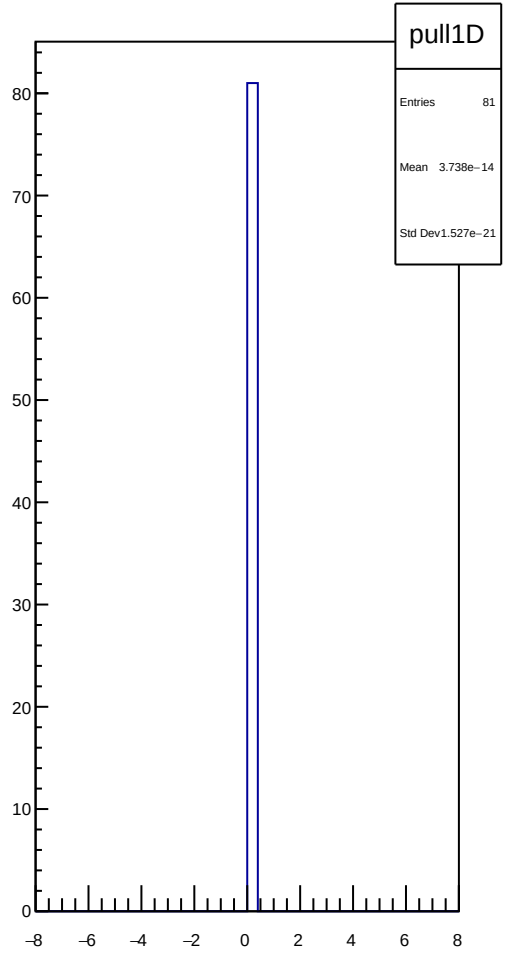

dit_atl2_4eY_slope vs run
χ² / ndf 1.14e−24 / 80
p0 71.46 ± 0.09316
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.186e−13
Std Dev 4.15e−21

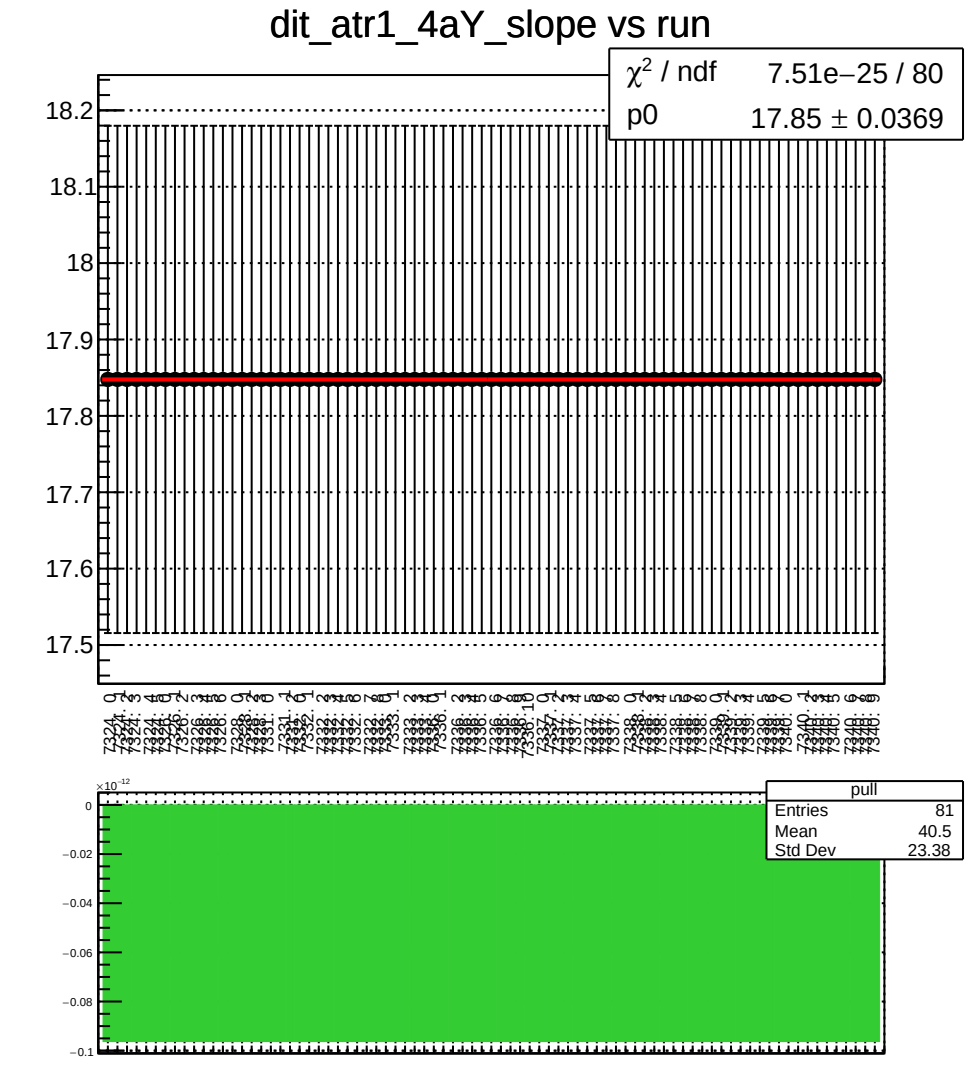

dit_atr1_4aX_slope vs run
χ² / ndf 5.596e−26 / 80
p0 −59.52 ± 0.6007
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.628e−14
Std Dev 5.187e−22

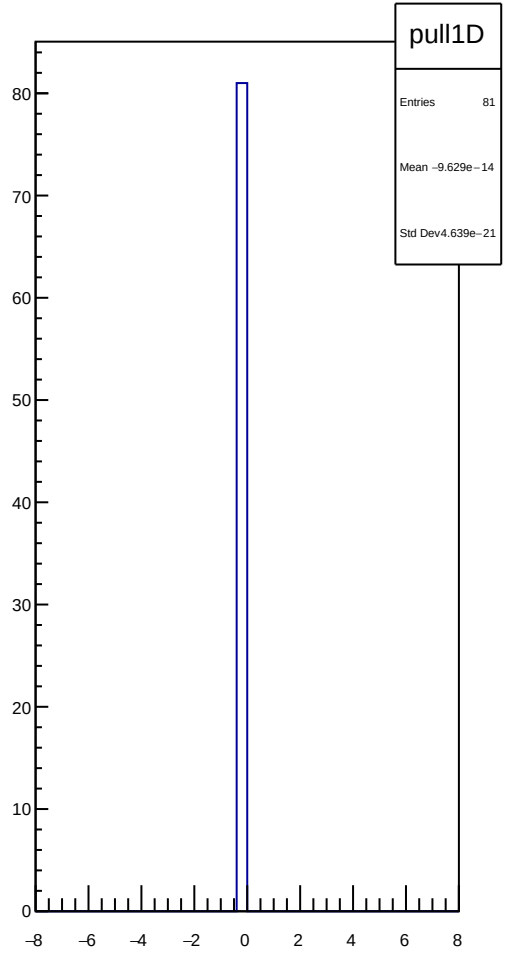

dit_atr1_4eX_slope vs run
χ² / ndf 1.774e−31 / 80
p0 0.2734 ± 0.5272
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁸

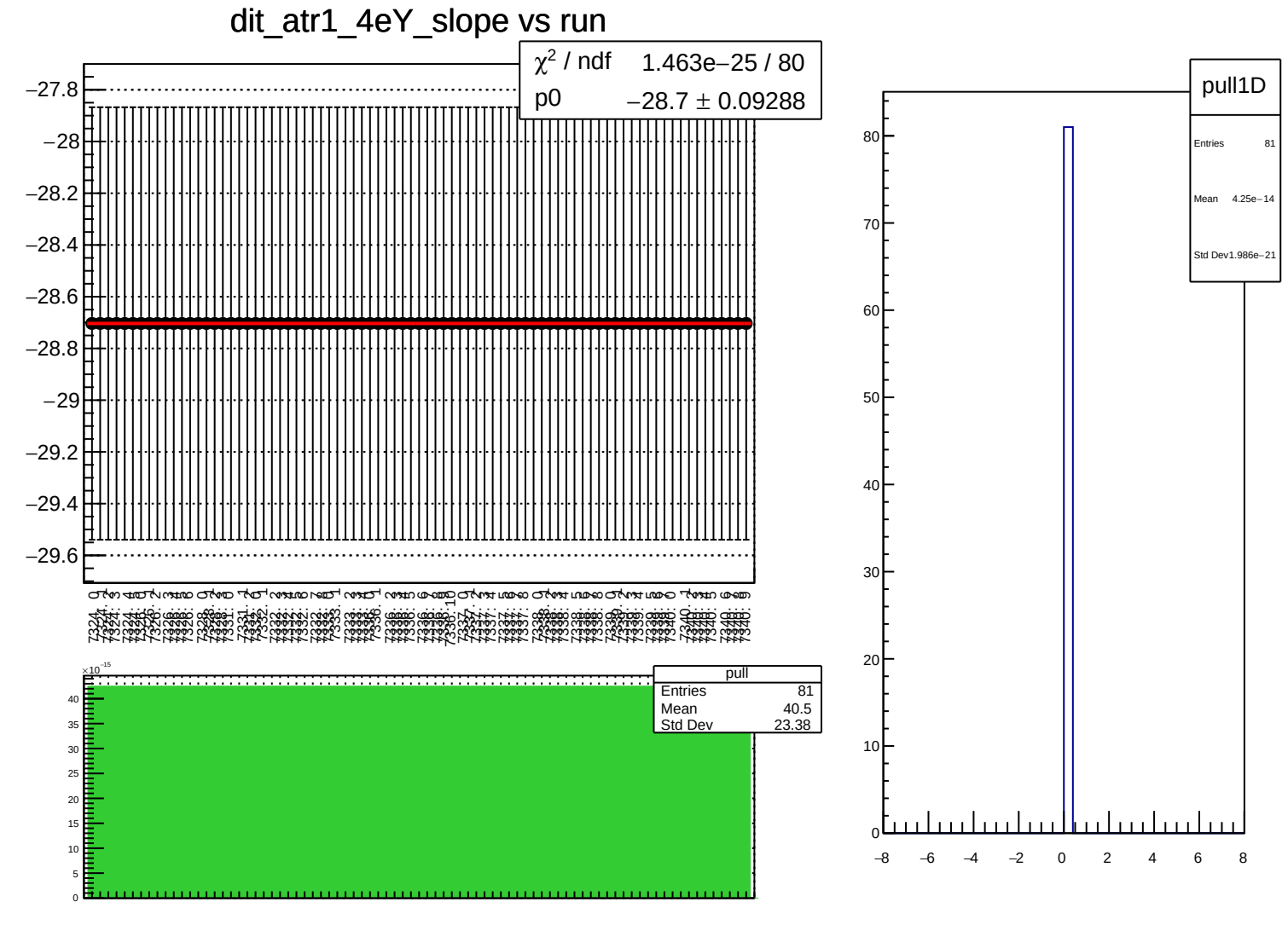

pull1D
Entries 81
Mean 4.68e−17
Std Dev 2.805e−24

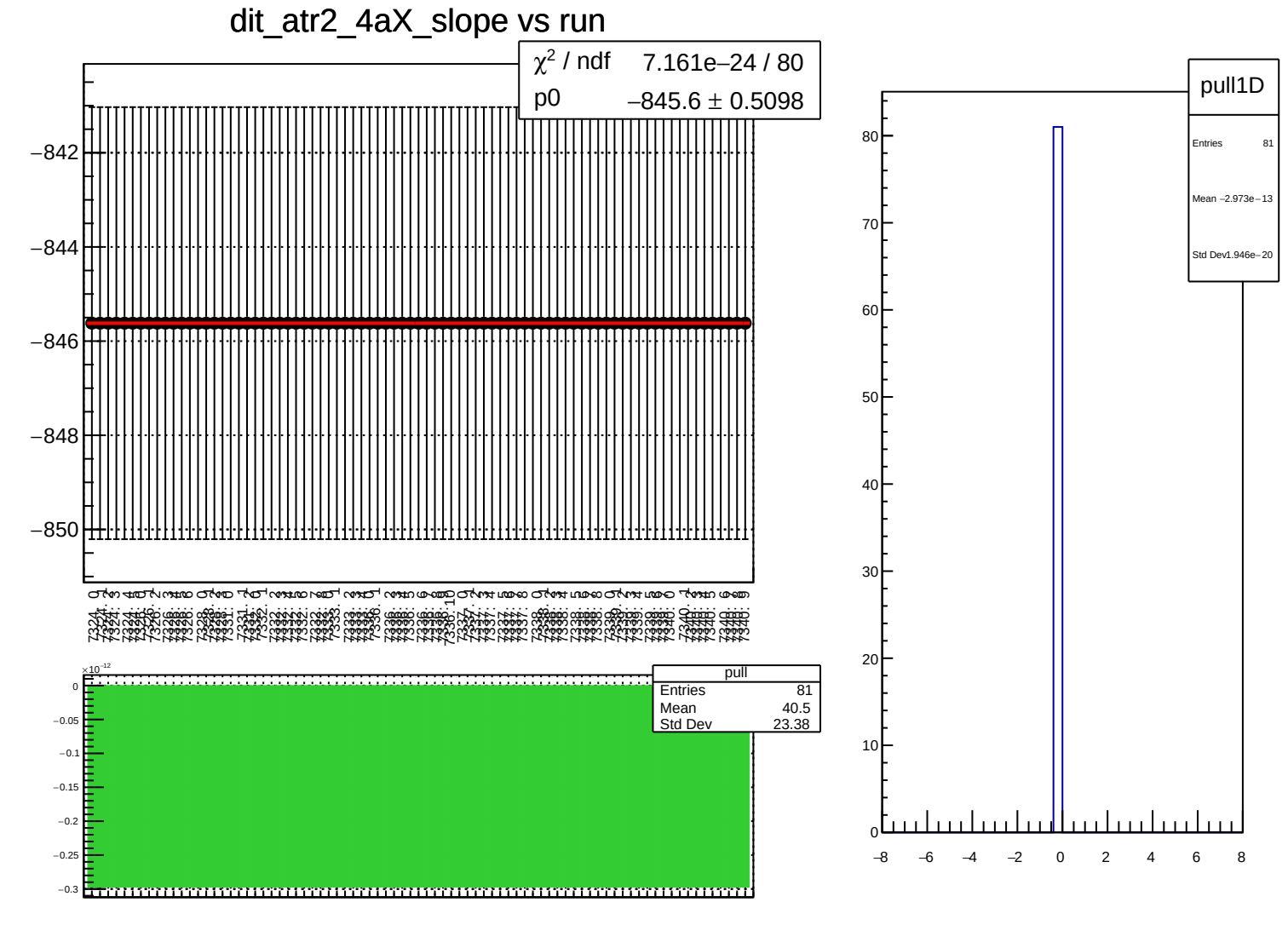

dit_atr1_11X12X_slope vs run
χ² / ndf 1.132e−25 / 80
p0 −15.45 ± 0.0792
−14.6
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
−16.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
35
30
25
20
15
10
5
0

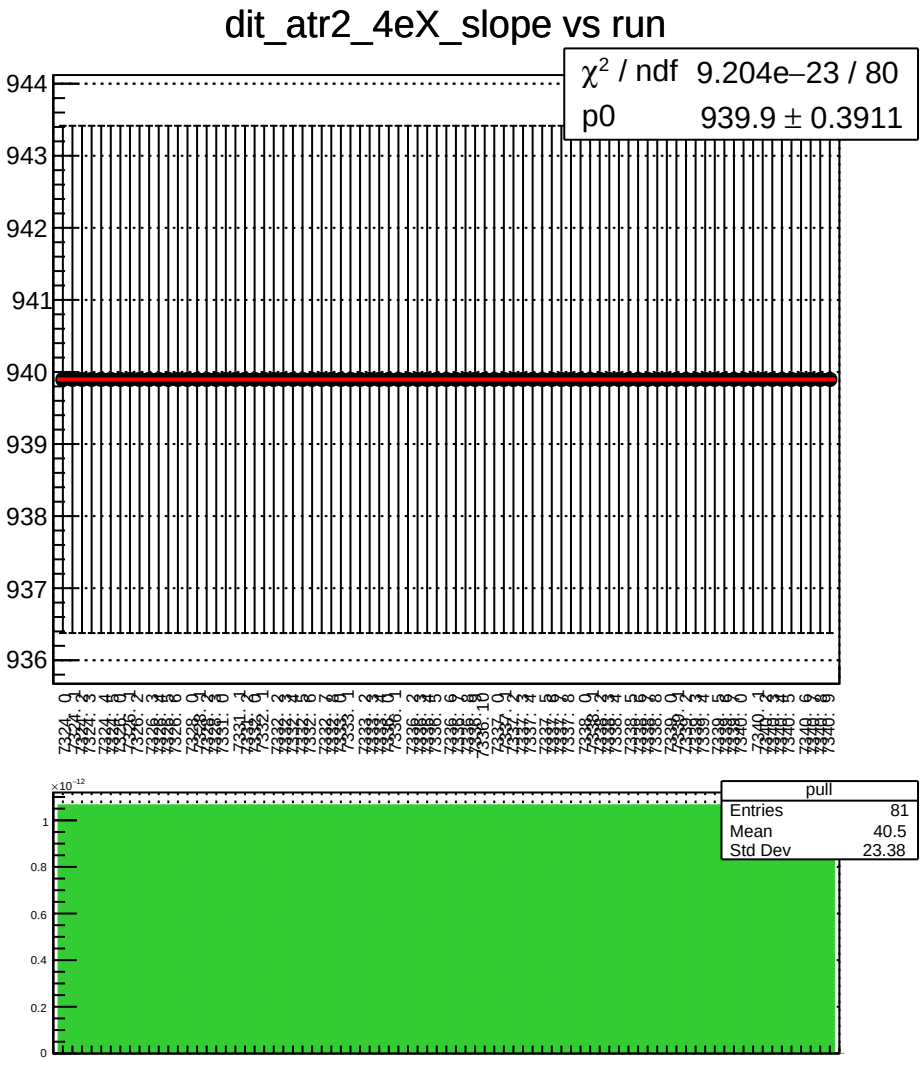

pull1D
Entries 81
Mean 3.738e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

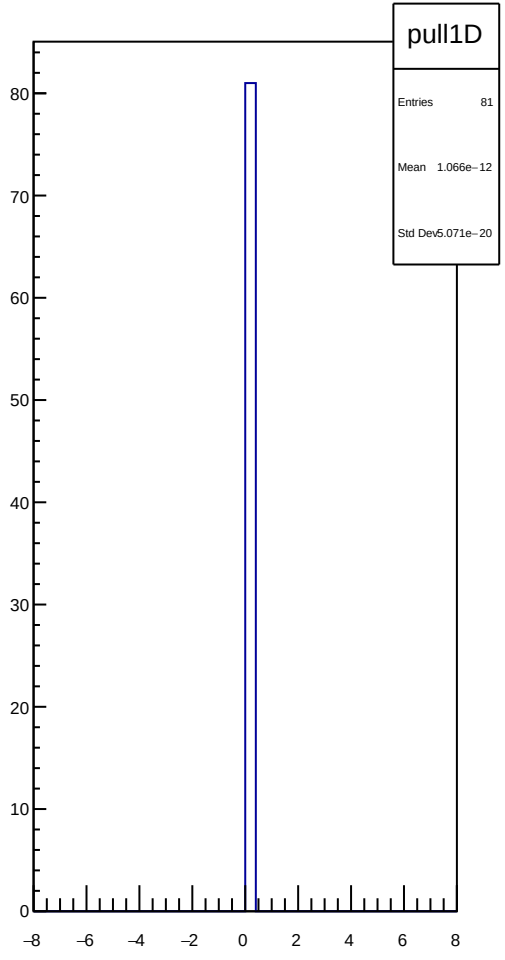

dit_atr1_4aY_slope vs run
χ² / ndf 7.51e−25 / 80
p0 17.85 ± 0.0369
18.2
18.1
18
17.9
17.8
17.7
17.6
17.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

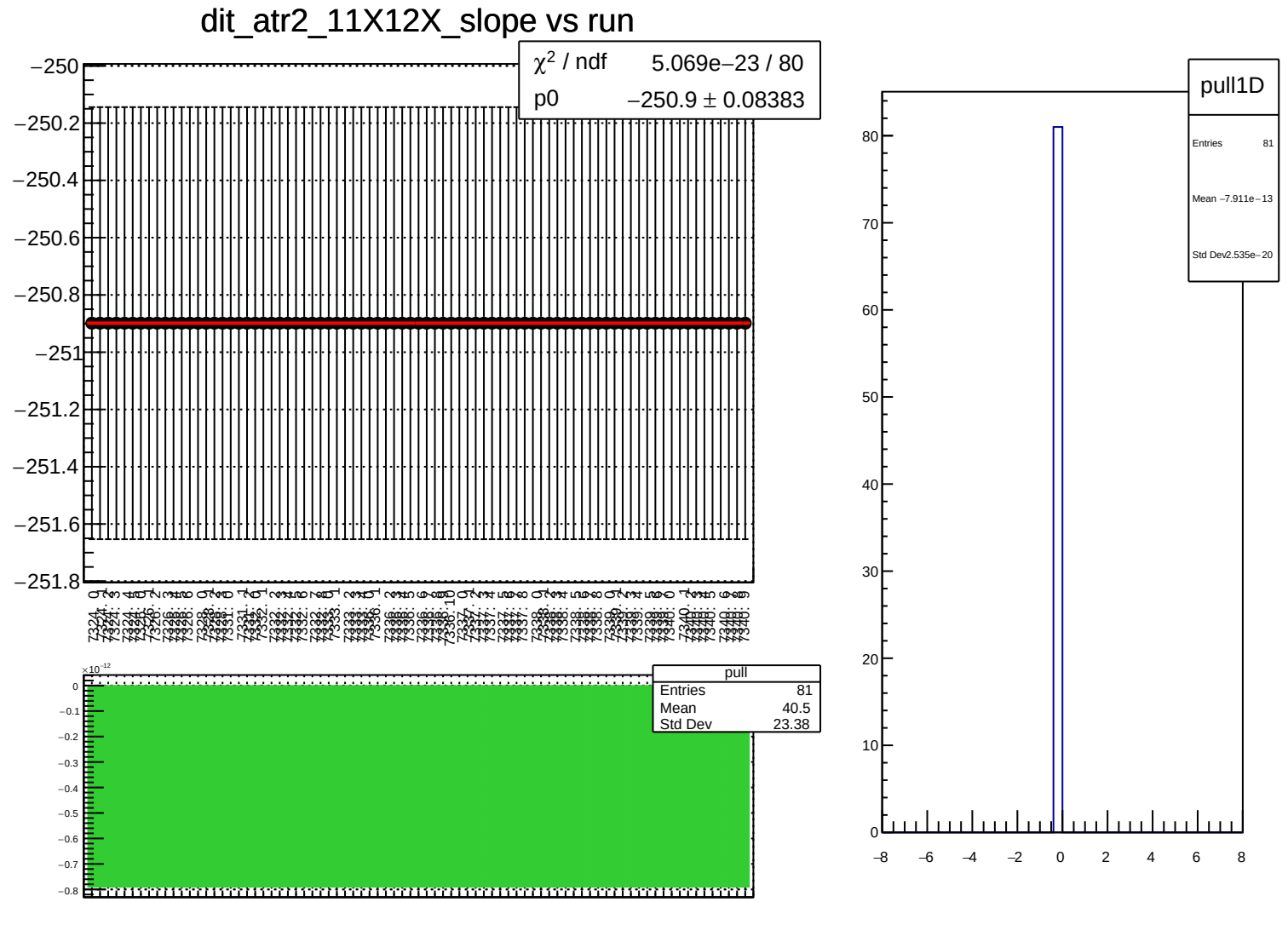

pull1D
Entries 81
Mean −9.629e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

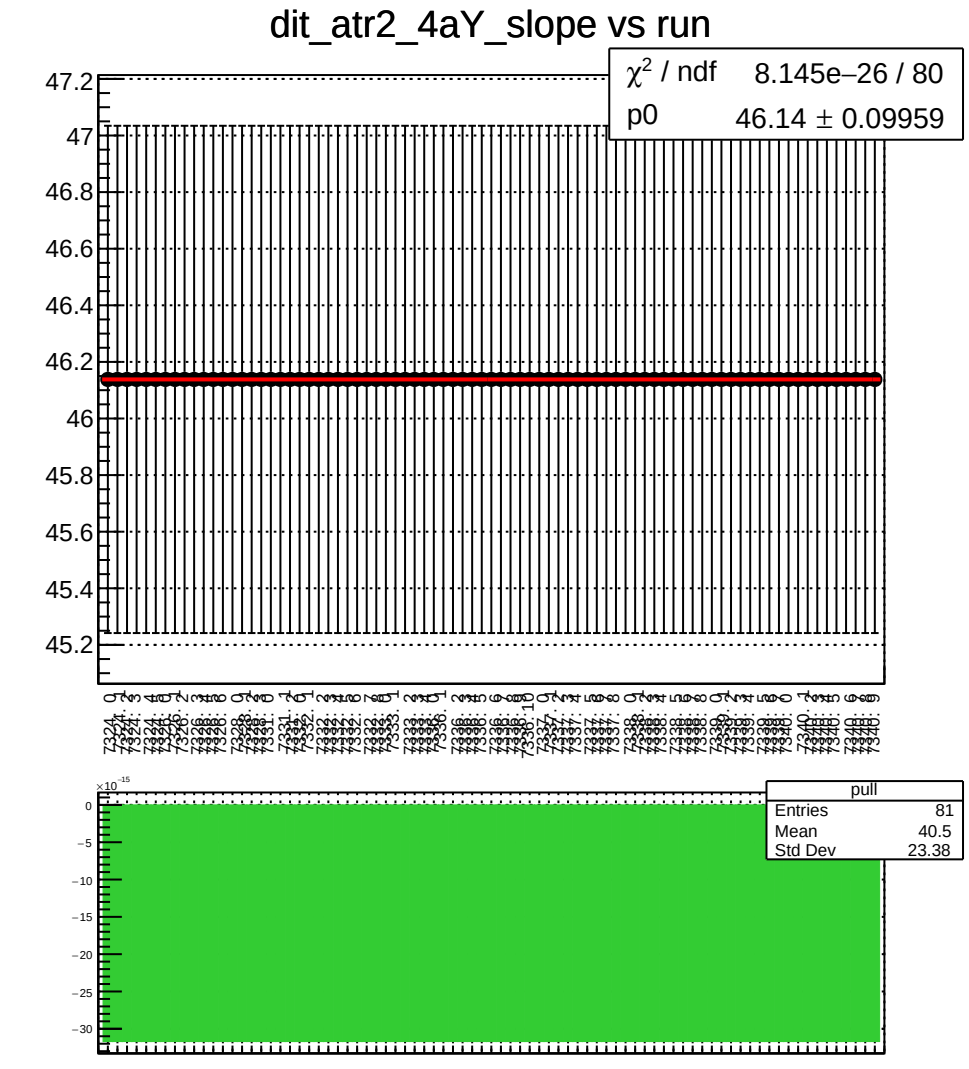

dit_atr1_4eY_slope vs run
χ² / ndf 1.463e−25 / 80
p0 −28.7 ± 0.09288
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.25e−14
Std Dev 1.986e−21

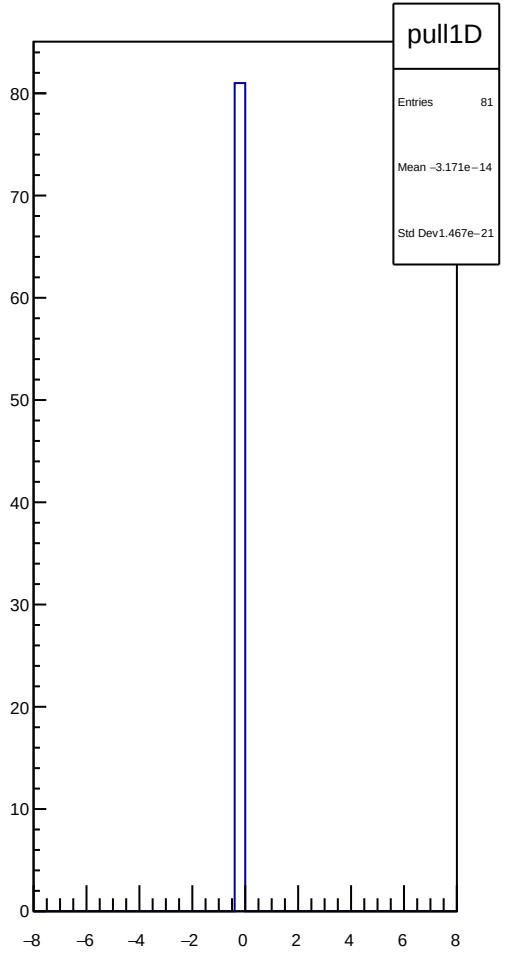

dit_atr2_4aX_slope vs run
χ² / ndf 7.161e−24 / 80
p0 −845.6 ± 0.5098
−842
−844
−846
−848
−850
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −2.973e−13
Std Dev1.946e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

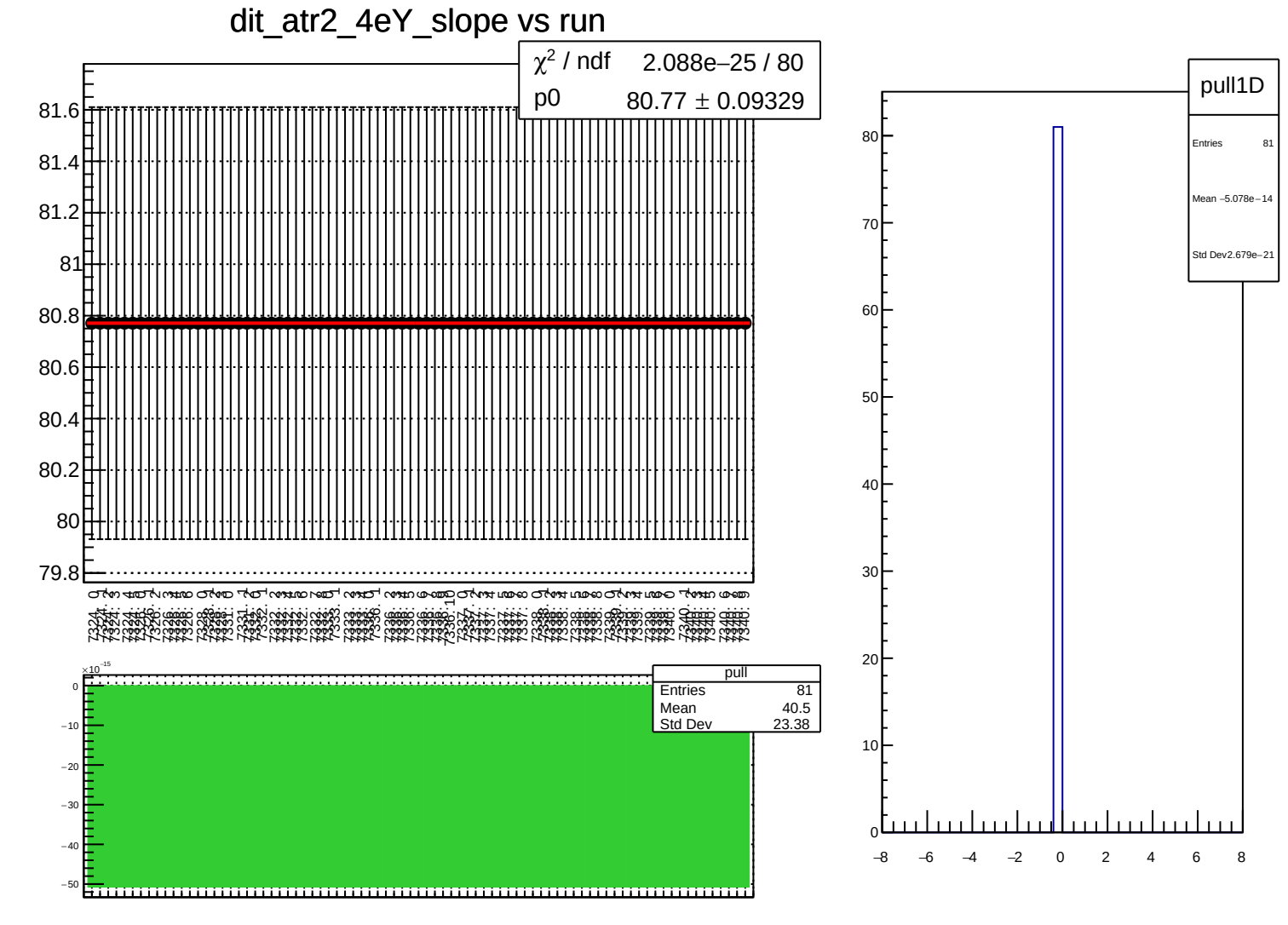

dit_atr2_4eX_slope vs run
χ² / ndf 9.204e−23 / 80
p0 939.9 ± 0.3911
944
943
942
941
940
939
938
937
936
×10⁻¹²
1
0.8
0.6
0.4
0.2
0
pull
Entries 81
Mean 40.5
Std Dev 23.38

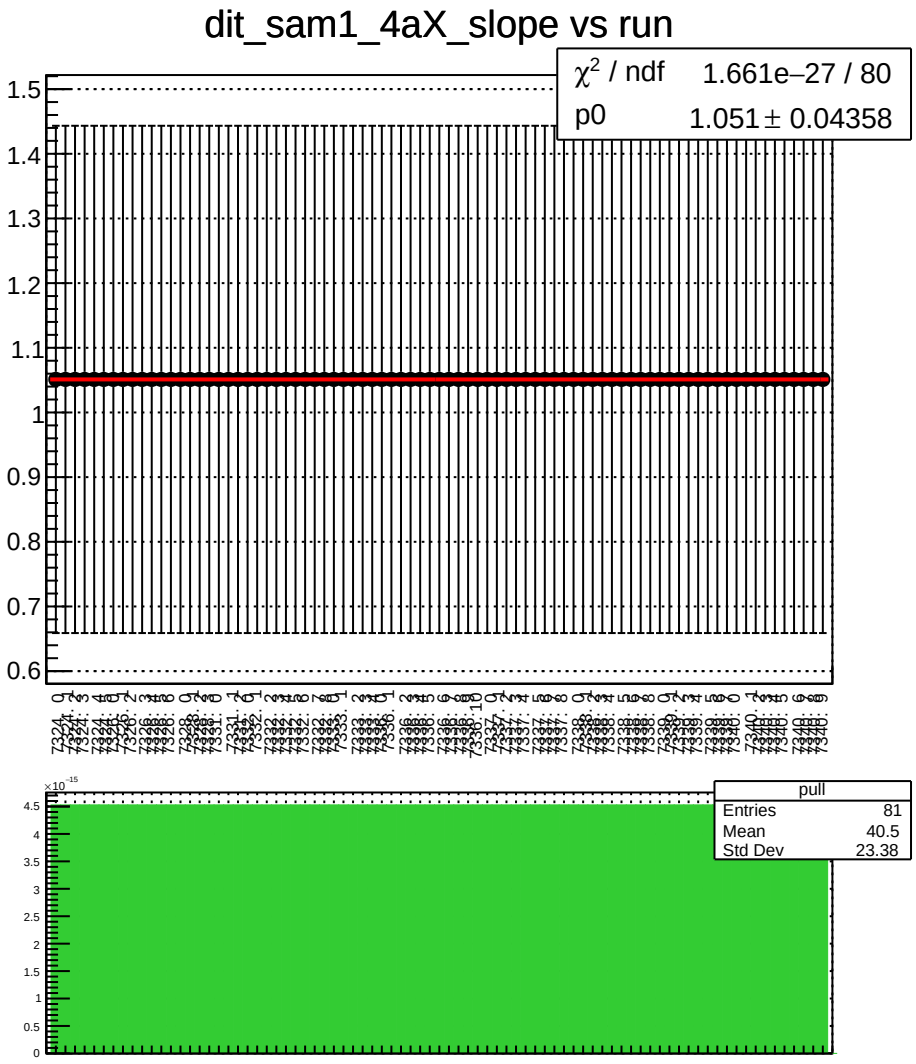

pull1D
Entries 81
Mean 1.066e−12
Std Dev 5.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

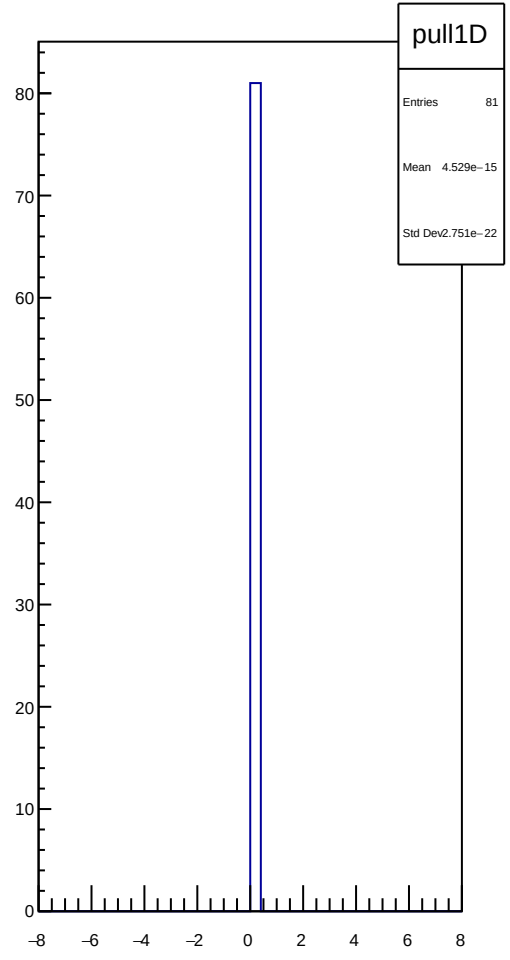

dit_atr2_11X12X_slope vs run
χ² / ndf 5.069e−23 / 80
p0 −250.9 ± 0.08383
−250
−250.2
−250.4
−250.6
−250.8
−251
−251.2
−251.4
−251.6
−251.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 81
Mean −7.911e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

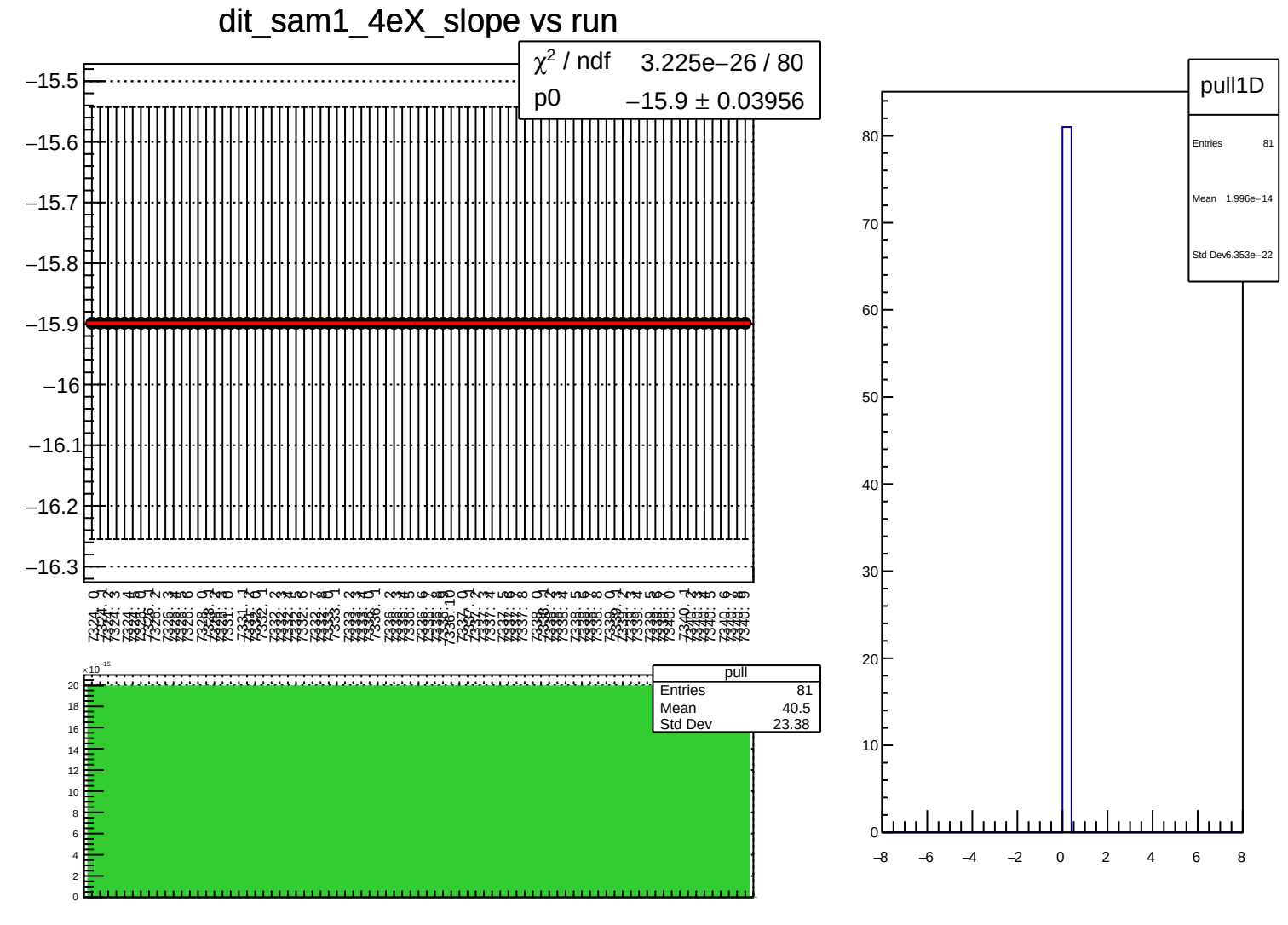

dit_atr2_4aY_slope vs run
χ² / ndf 8.145e−26 / 80
p0 46.14 ± 0.09959
47.2
47
46.8
46.6
46.4
46.2
46
45.8
45.6
45.4
45.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

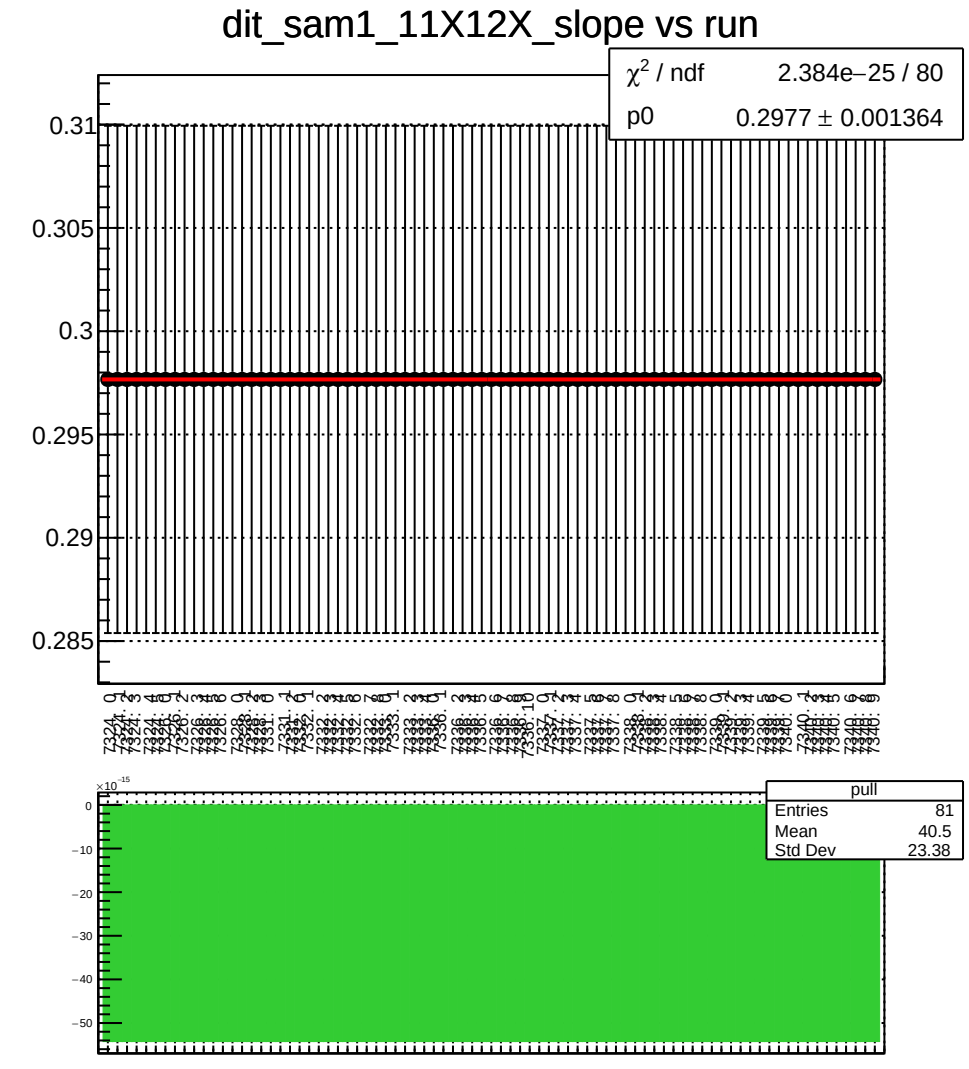

pull1D
Entries 81
Mean −3.171e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

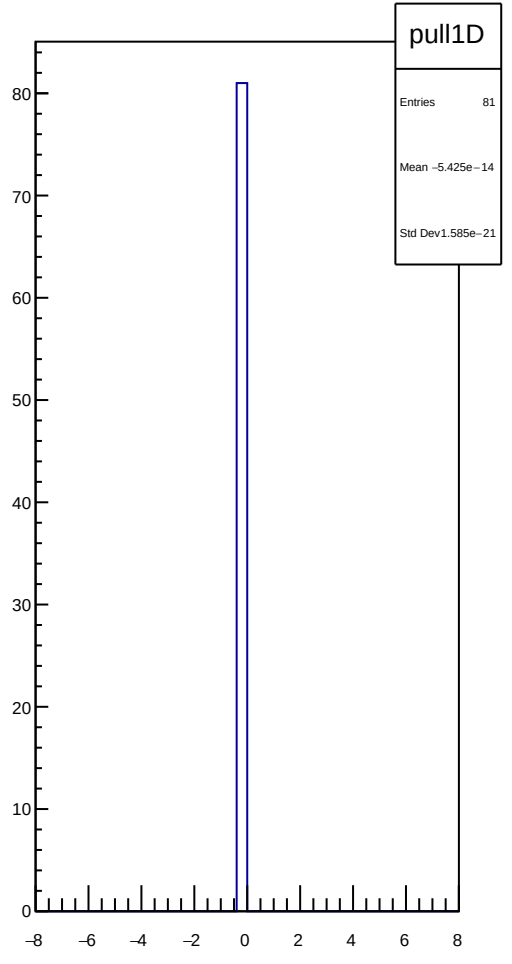

dit_atr2_4eY_slope vs run
χ² / ndf 2.088e−25 / 80
p0 80.77 ± 0.09329
81.6
81.4
81.2
81
80.8
80.6
80.4
80.2
80
79.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −5.078e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

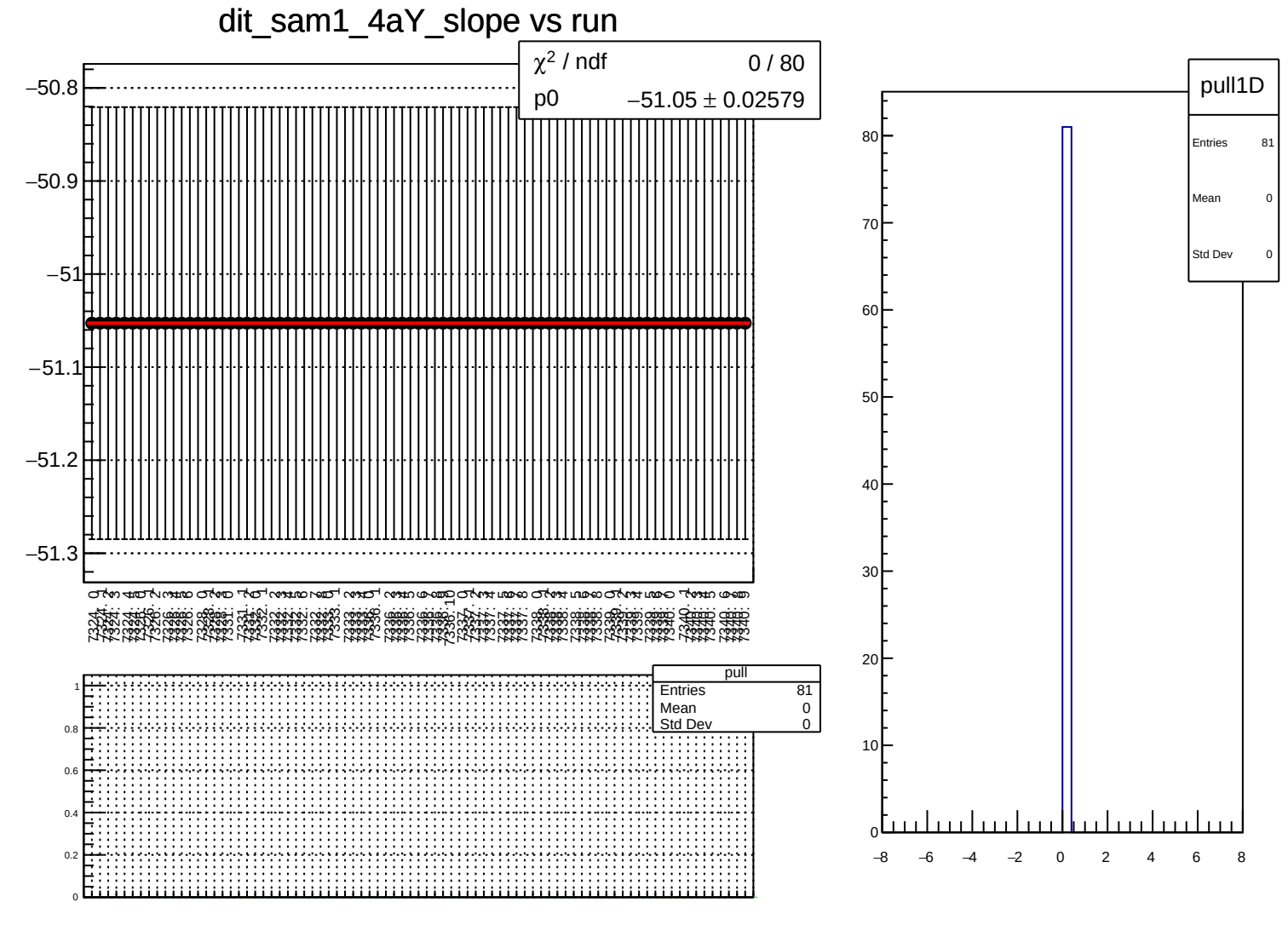

dit_sam1_4aX_slope vs run
χ² / ndf 1.661e−27 / 80
p0 1.051 ± 0.04358
pull
Entries 81
Mean 40.5
Std Dev 23.38

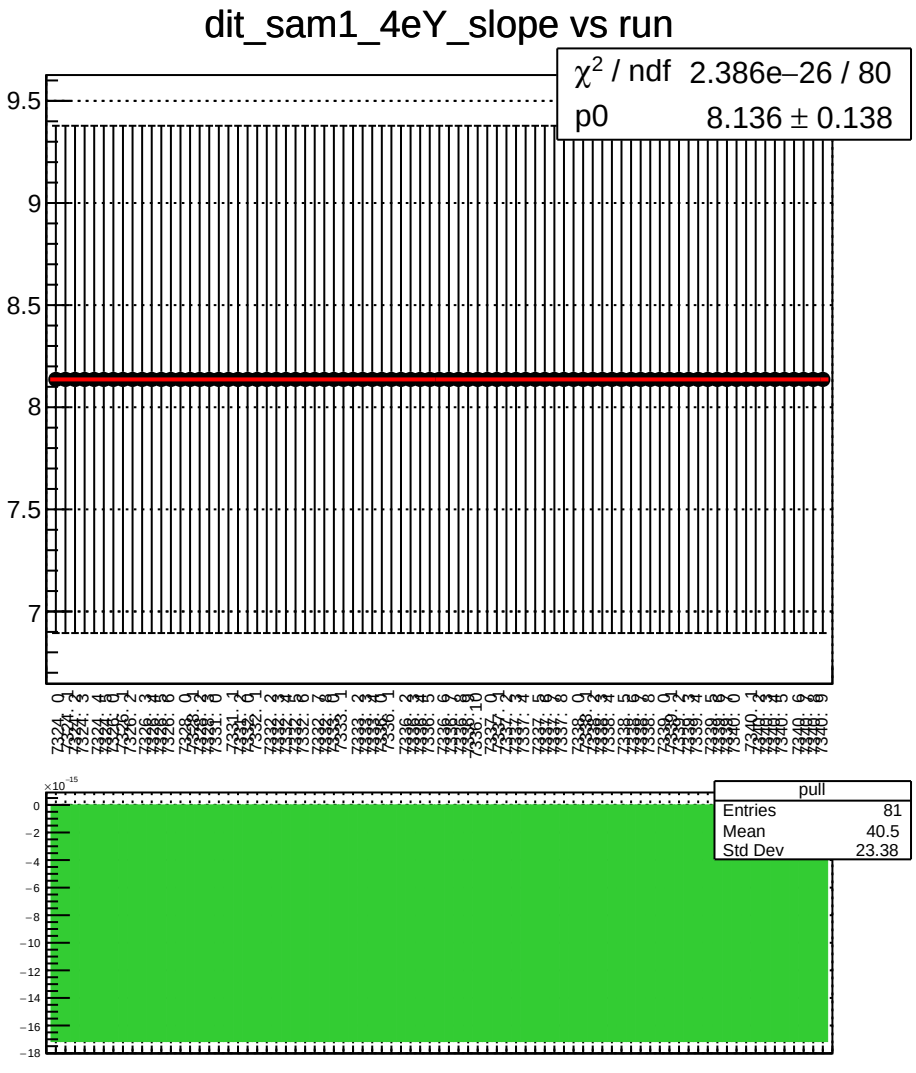

pull1D
Entries 81
Mean 4.529e−15
Std Dev 2.751e−22

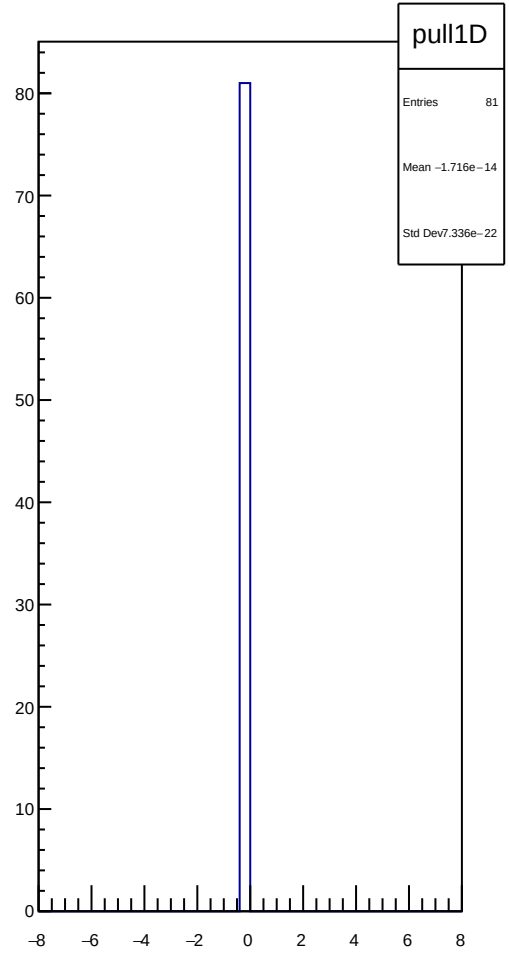

dit_sam1_4eX_slope vs run
χ² / ndf 3.225e−26 / 80
p0 −15.9 ± 0.03956
−15.5
−15.6
−15.7
−15.8
−15.9
−16
−16.1
−16.2
−16.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.996e−14
Std Dev 6.353e−22

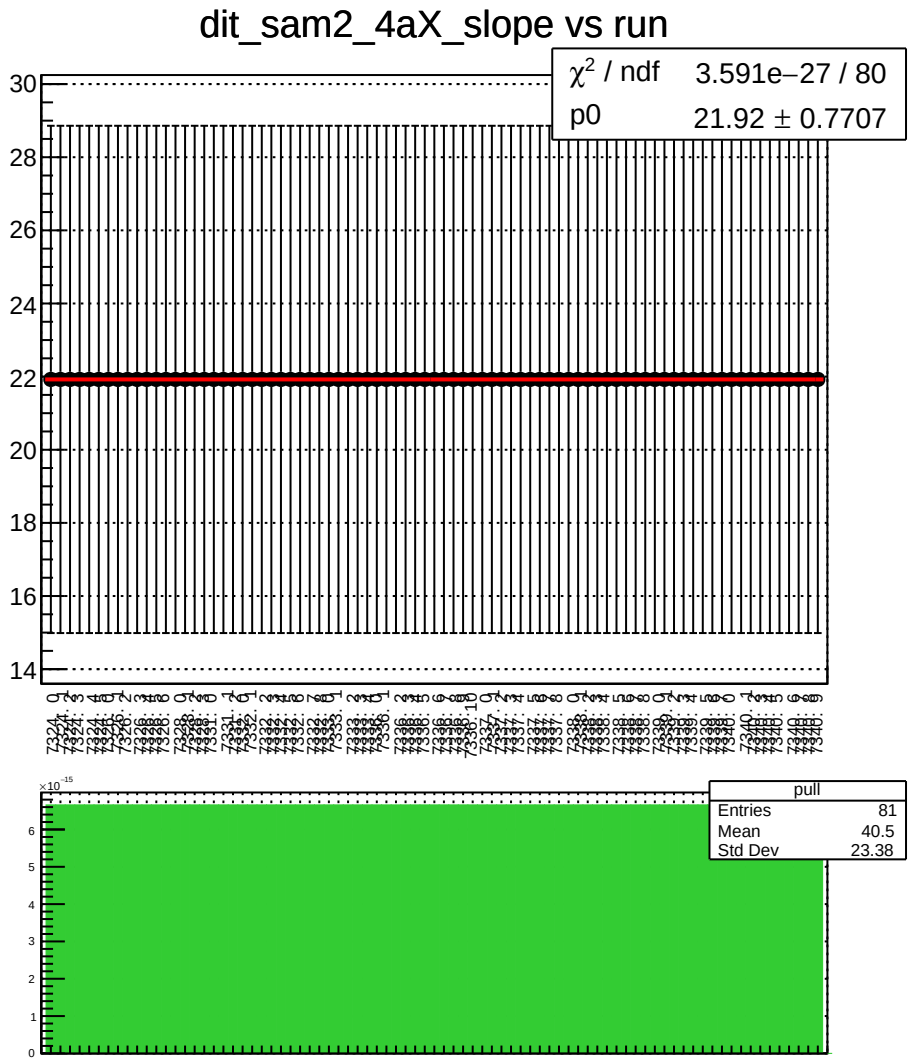

dit_sam1_11X12X_slope vs run
χ² / ndf 2.384e−25 / 80
p0 0.2977 ± 0.001364
0.31
0.305
0.3
0.295
0.29
0.285
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull
Entries 81
Mean 40.5
Std Dev 23.38

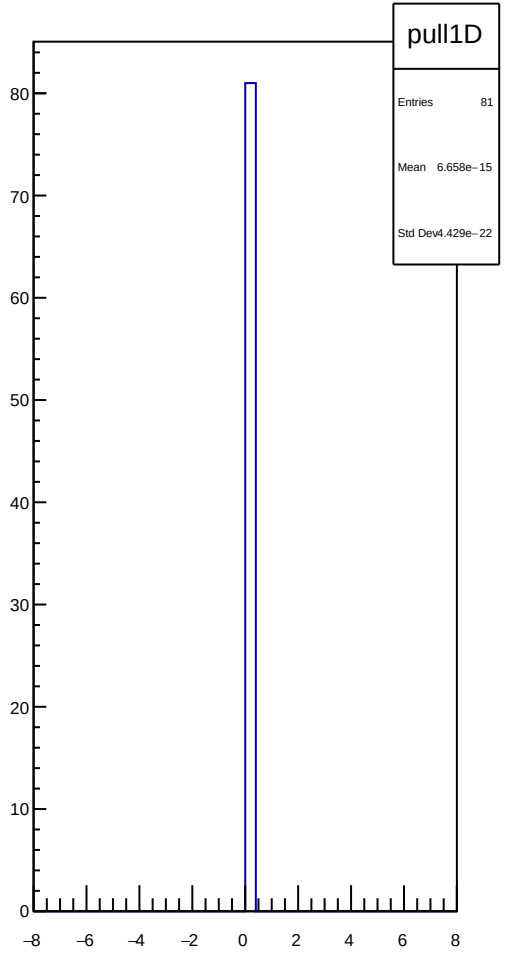

pull1D
Entries 81
Mean −5.425e−14
Std Dev1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

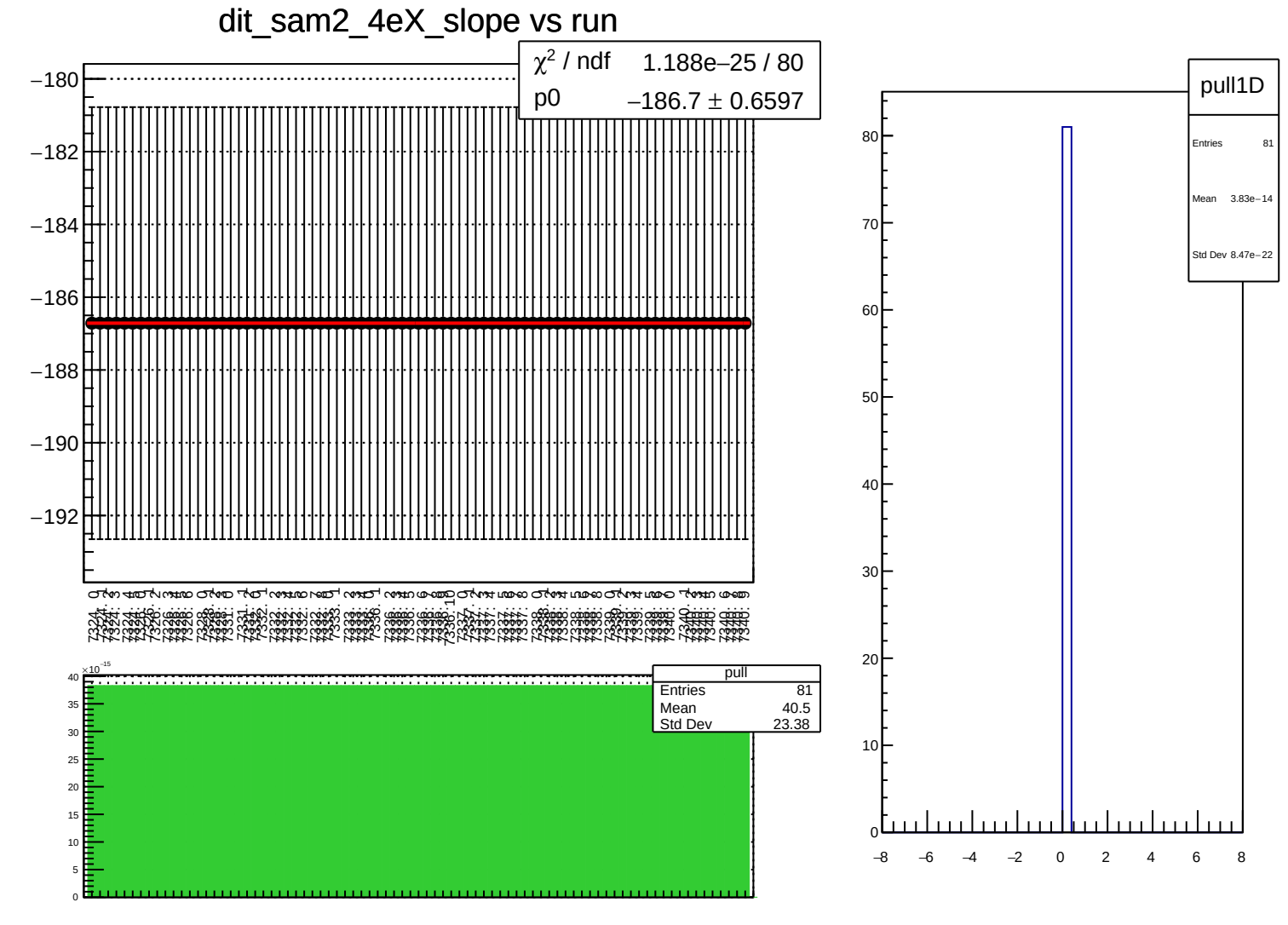

dit_sam1_4aY_slope vs run
χ² / ndf 0 / 80
p0 −51.05 ± 0.02579
−50.8
−50.9
−51
−51.1
−51.2
−51.3
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0

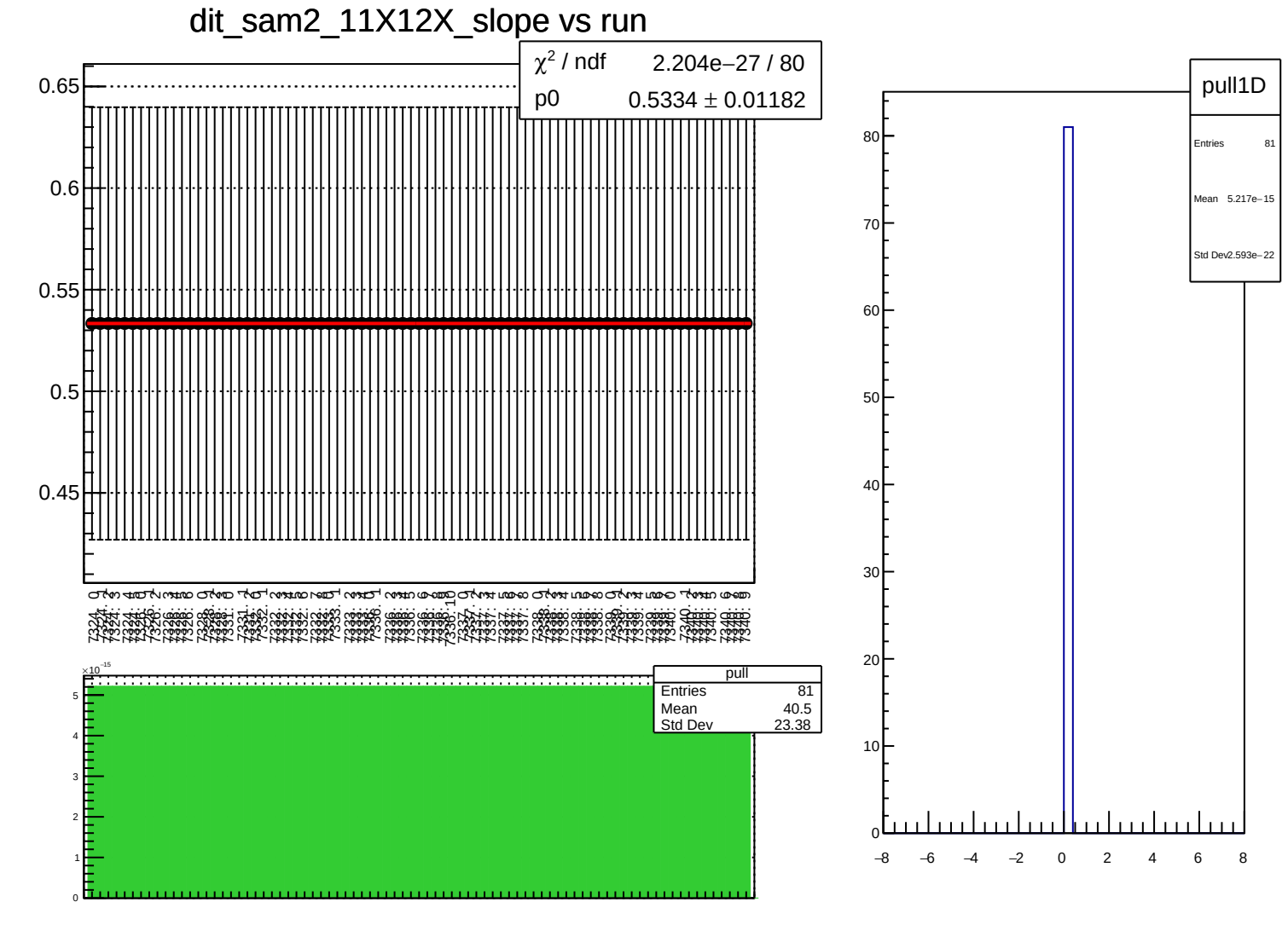

dit_sam1_4eY_slope vs run
χ^2 / ndf 2.386e−26 / 80
p0 8.136 ± 0.138
pull
Entries 81
Mean 40.5
Std Dev 23.38

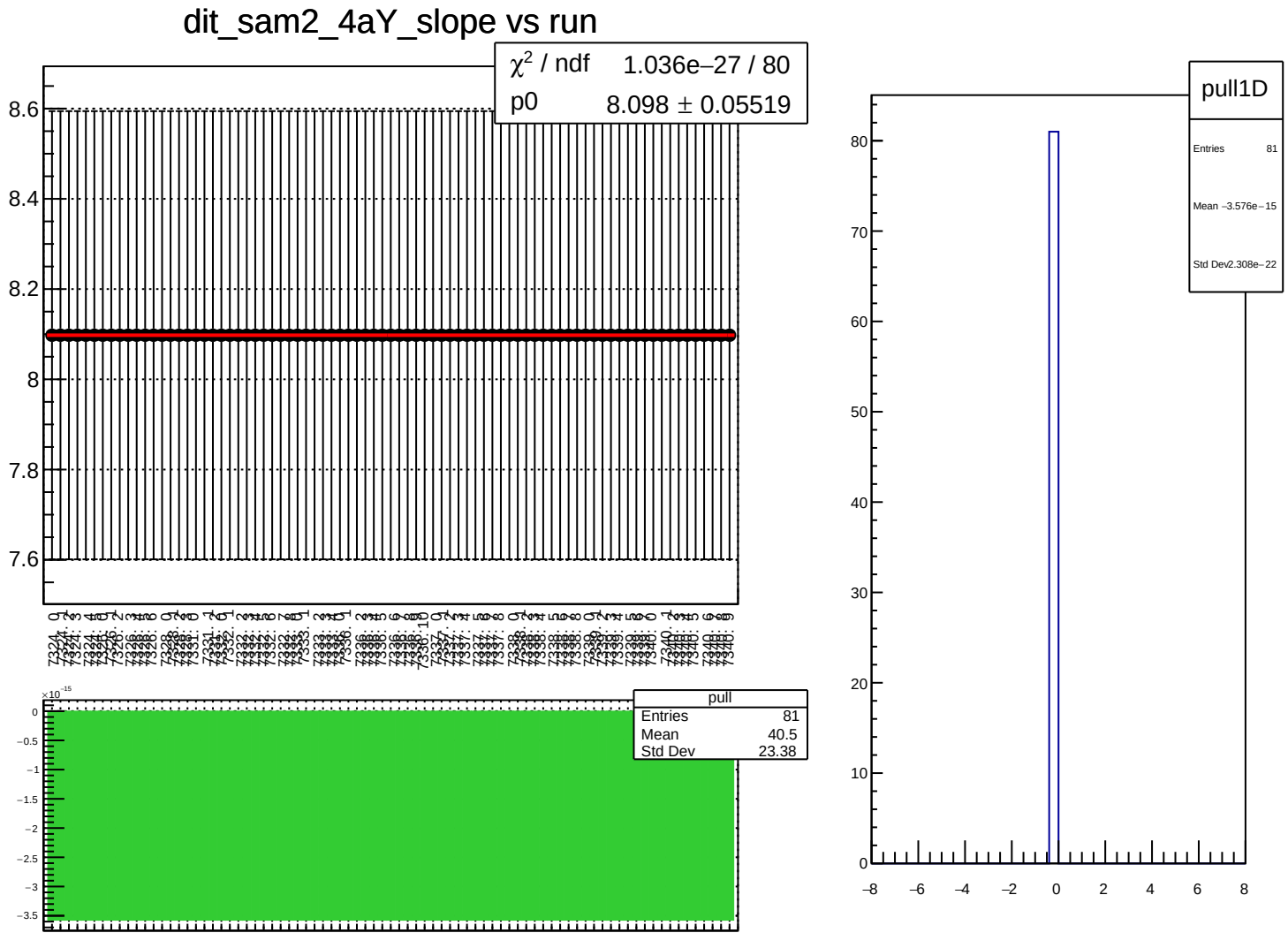

pull1D
Entries 81
Mean −1.716e−14
Std Dev7.336e−22

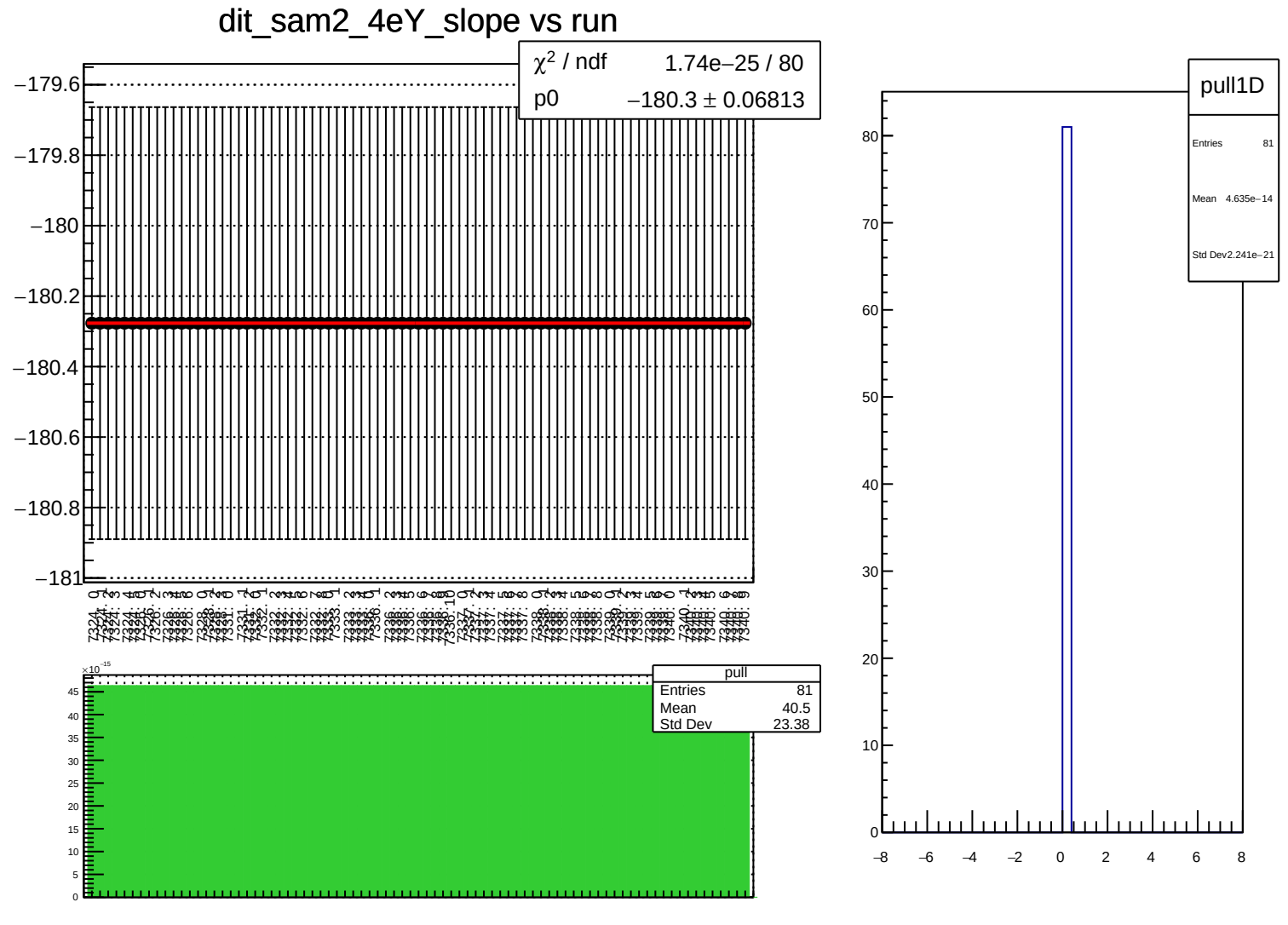

dit_sam2_4aX_slope vs run
χ² / ndf 3.591e−27 / 80
p0 21.92 ± 0.7707
pull
Entries 81
Mean 40.5
Std Dev 23.38

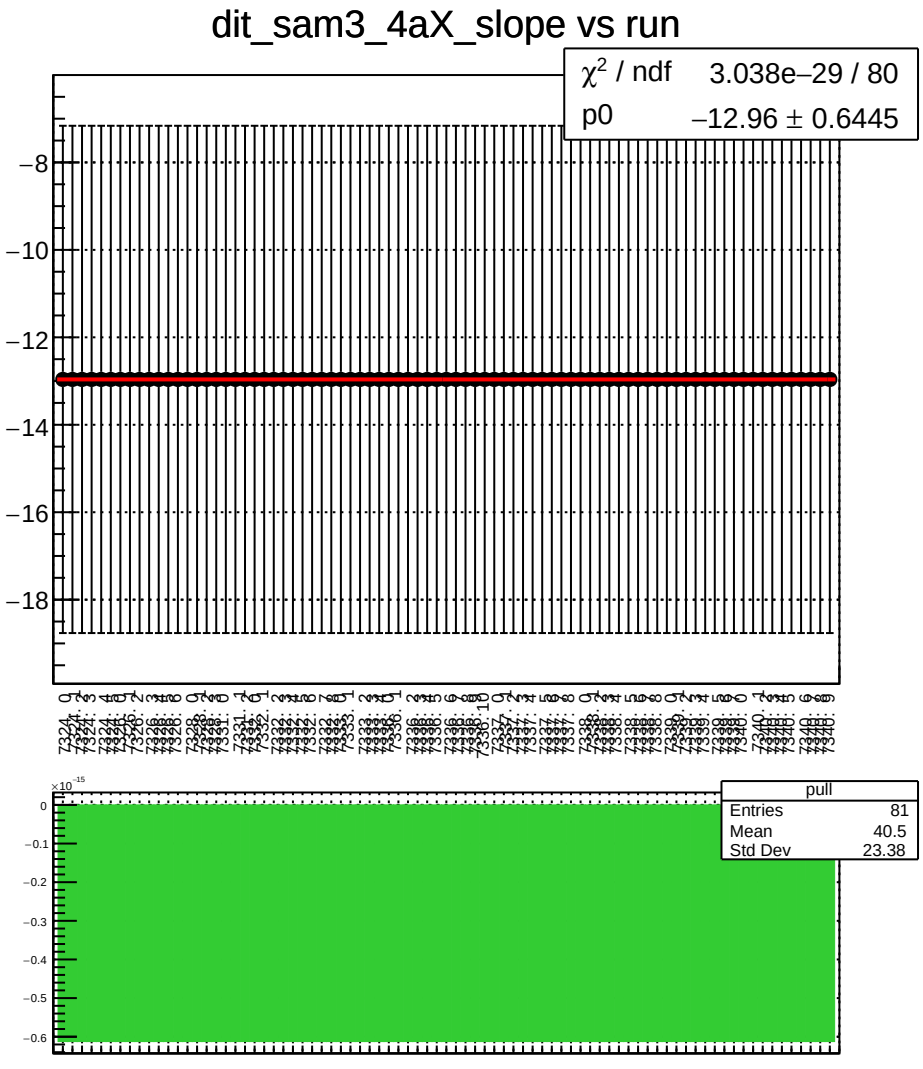

pull1D
Entries 81
Mean 6.658e−15
Std Dev 4.429e−22

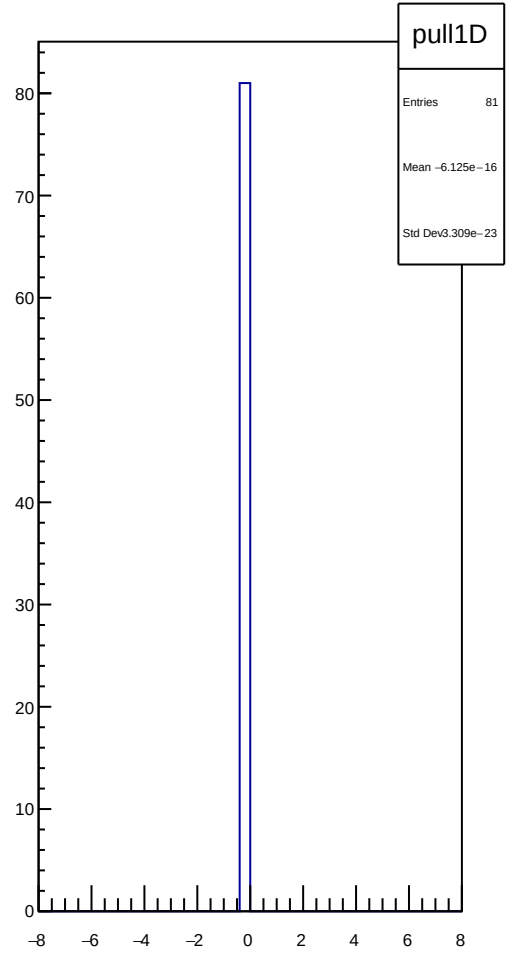

dit_sam2_4eX_slope vs run
χ² / ndf 1.188e−25 / 80
p0 −186.7 ± 0.6597
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.83e−14
Std Dev 8.47e−22

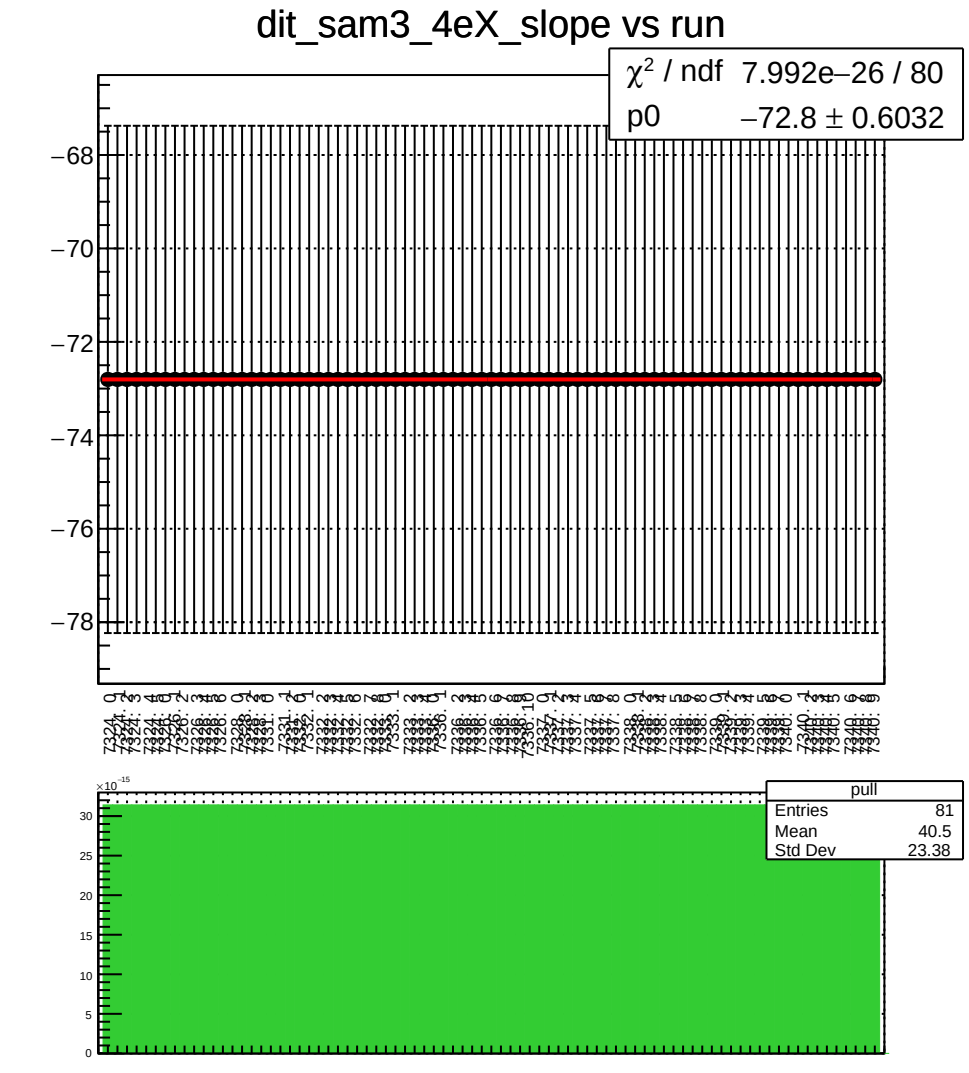

dit_sam2_11X12X_slope vs run
χ² / ndf 2.204e−27 / 80
p0 0.5334 ± 0.01182
0.65
0.6
0.55
0.5
0.45
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 5.217e−15
Std Dev 2.593e−22

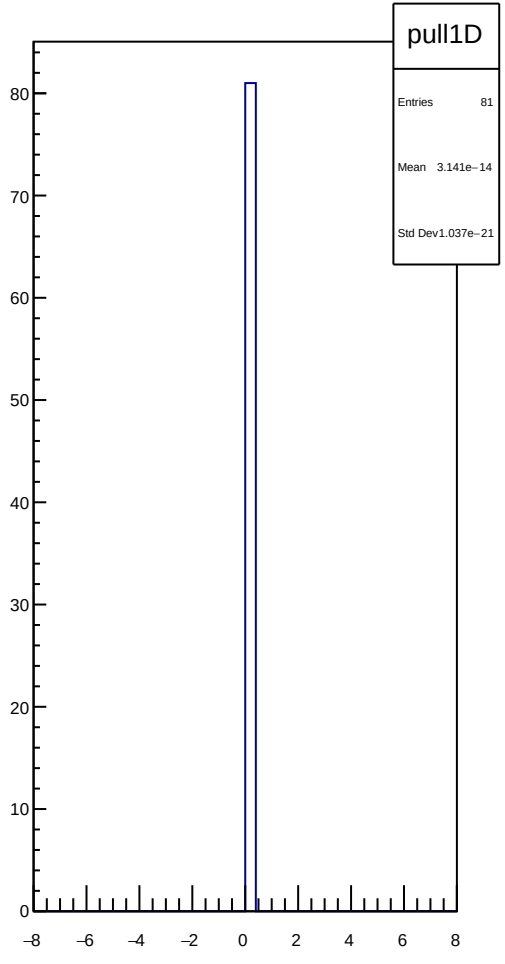

dit_sam2_4aY_slope vs run
χ² / ndf 1.036e−27 / 80
p0 8.098 ± 0.05519
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −3.576e−15
Std Dev 2.308e−22

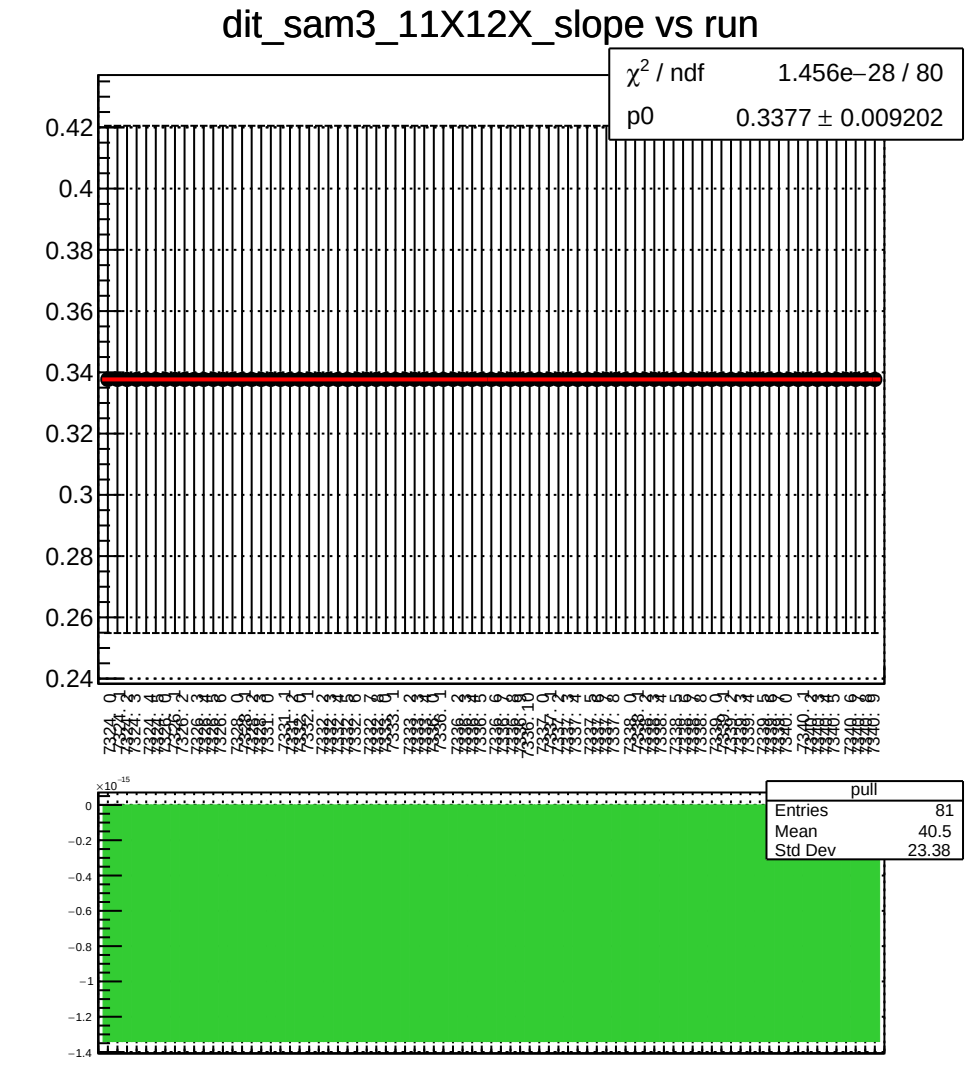

dit_sam2_4eY_slope vs run
χ² / ndf 1.74e−25 / 80
p0 −180.3 ± 0.06813
−179.6
−179.8
−180
−180.2
−180.4
−180.6
−180.8
−181
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 4.635e−14
Std Dev2.241e−21

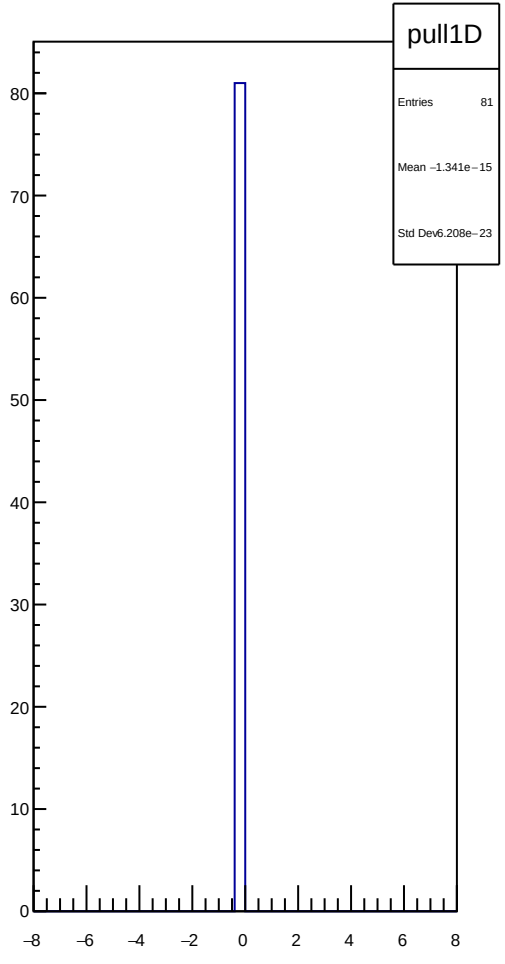

dit_sam3_4aX_slope vs run
χ² / ndf 3.038e−29 / 80
p0 −12.96 ± 0.6445
pull
Entries 81
Mean 40.5
Std Dev 23.38

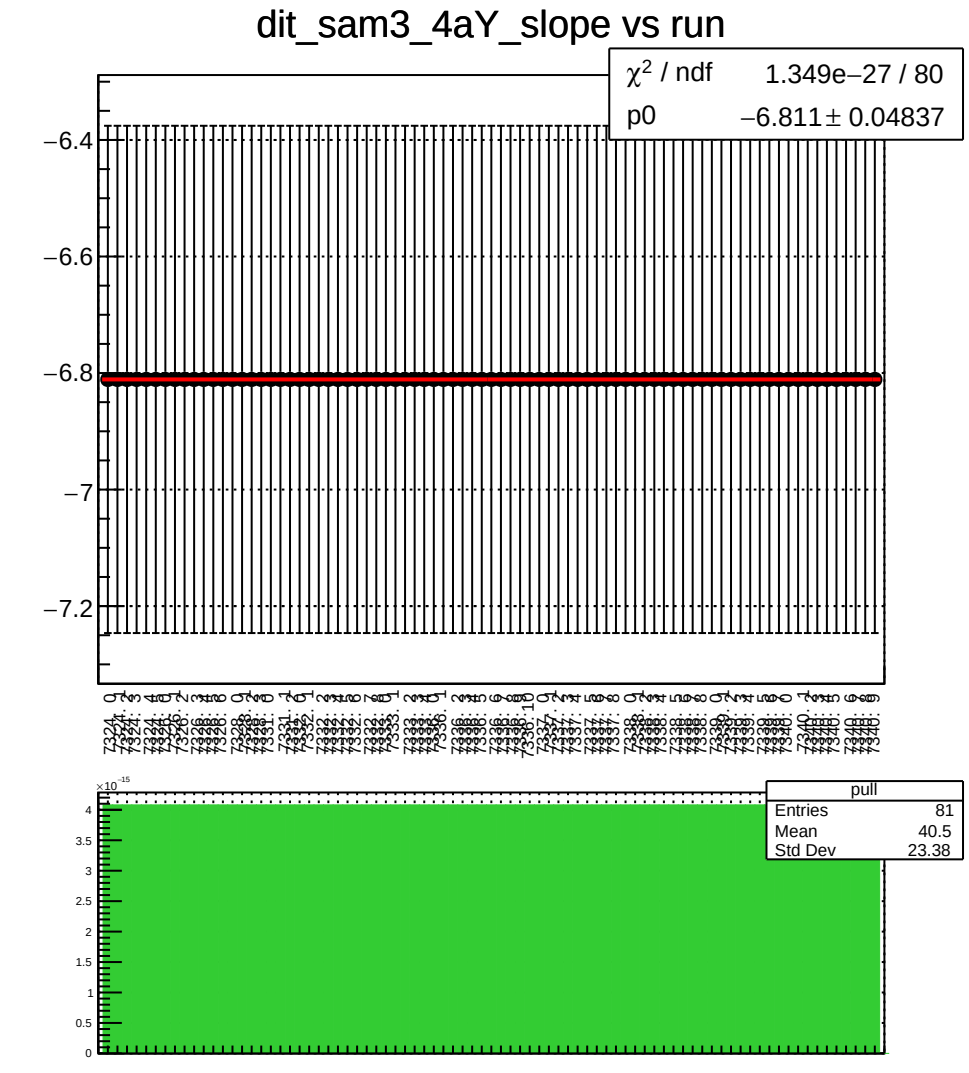

pull1D
Entries 81
Mean −6.125e−16
Std Dev3.309e−23

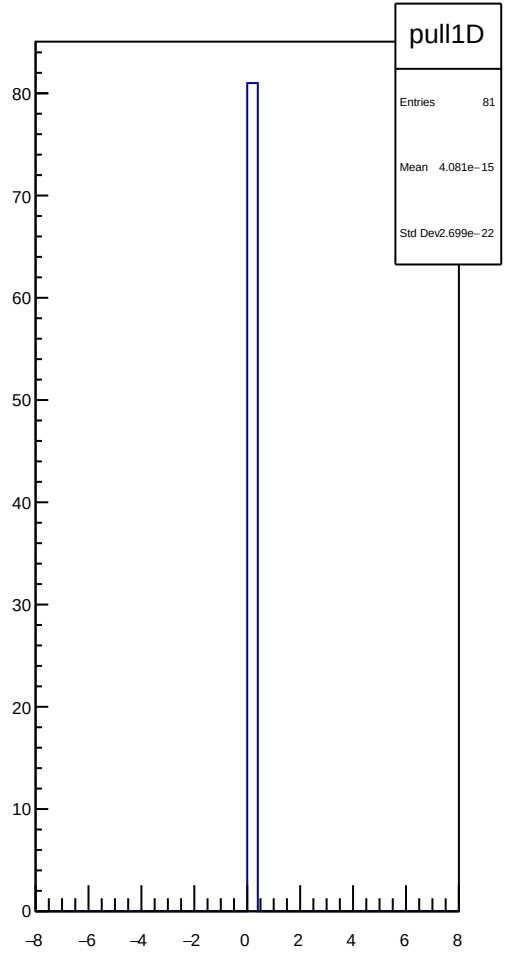

dit_sam3_4eX_slope vs run
χ² / ndf 7.992e−26 / 80
p0 −72.8 ± 0.6032
−68
−70
−72
−74
−76
−78
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
30
25
20
15
10
5
0

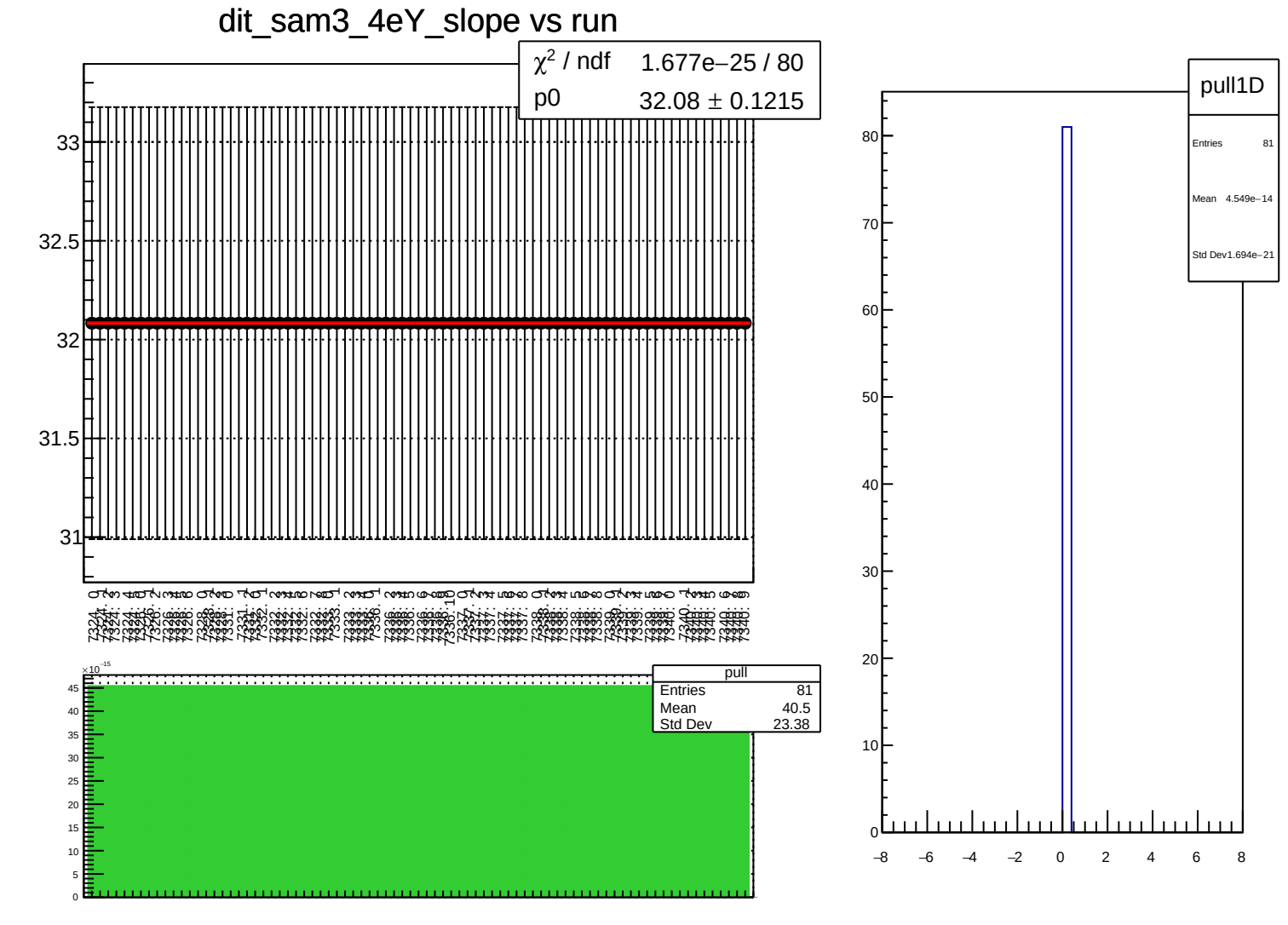

pull1D
Entries 81
Mean 3.141e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

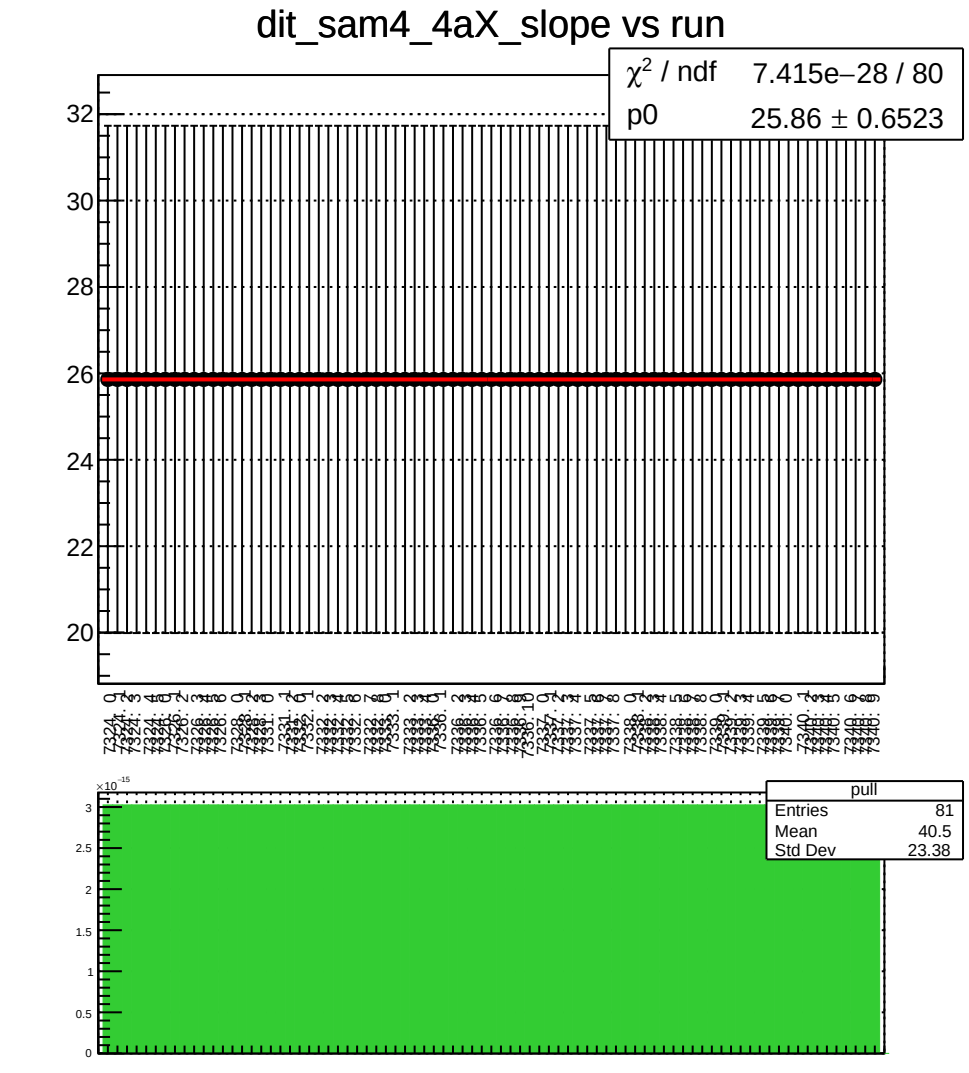

dit_sam3_11X12X_slope vs run
χ² / ndf 1.456e−28 / 80
p0 0.3377 ± 0.009202
pull
Entries 81
Mean 40.5
Std Dev 23.38

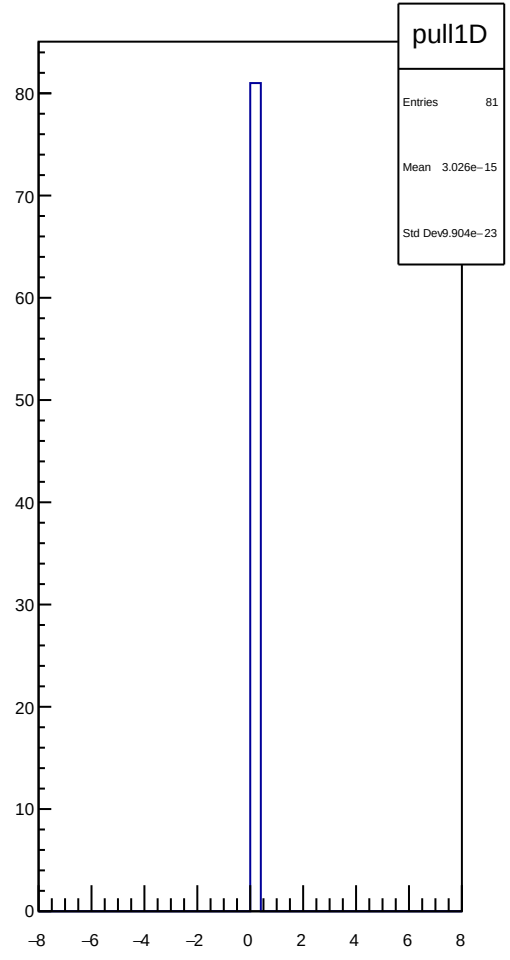

pull1D
Entries 81
Mean −1.341e−15
Std Dev 6.208e−23

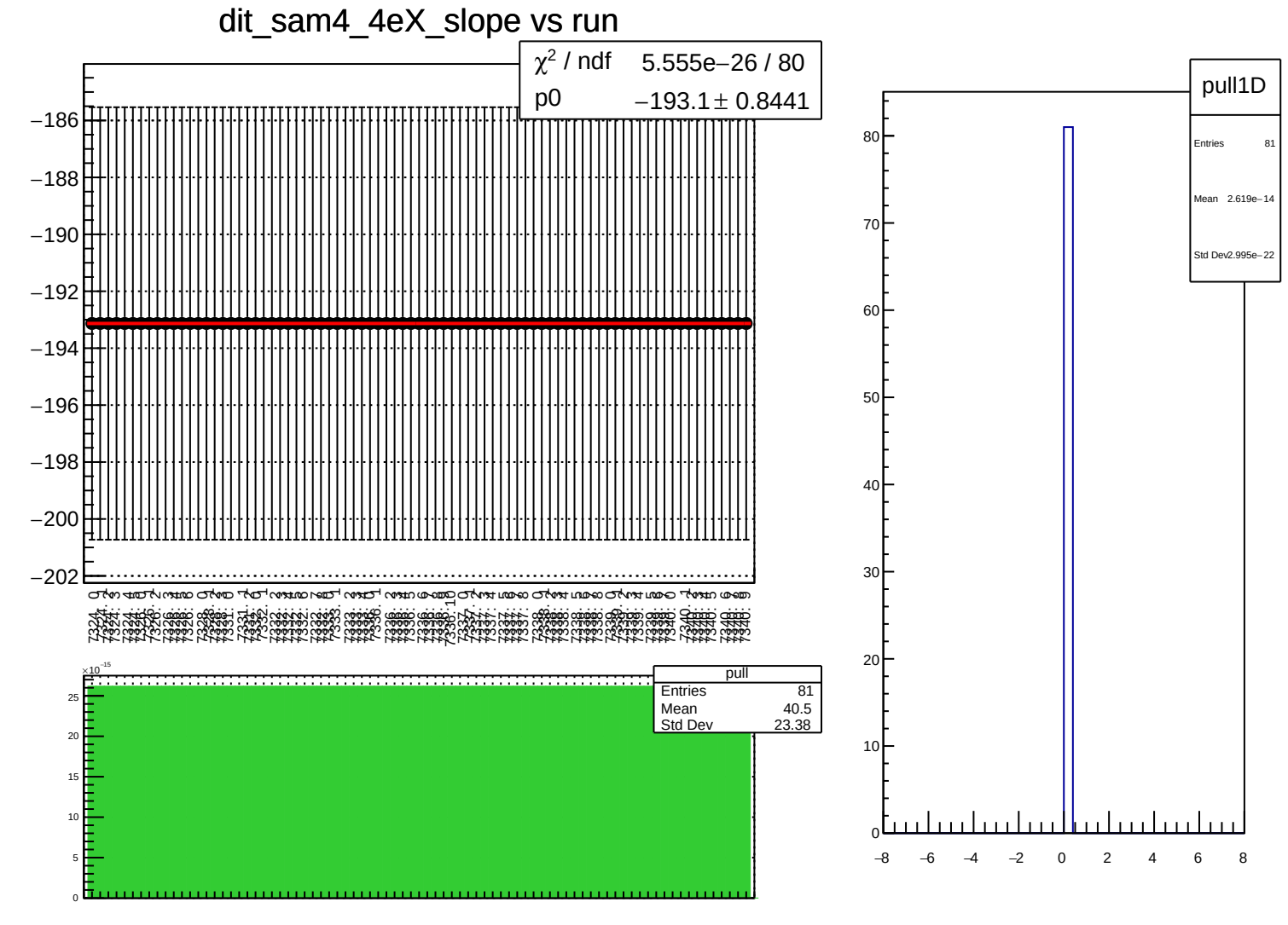

dit_sam3_4aY_slope vs run
χ² / ndf 1.349e−27 / 80
p0 −6.811 ± 0.04837
−6.4
−6.6
−6.8
−7
−7.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

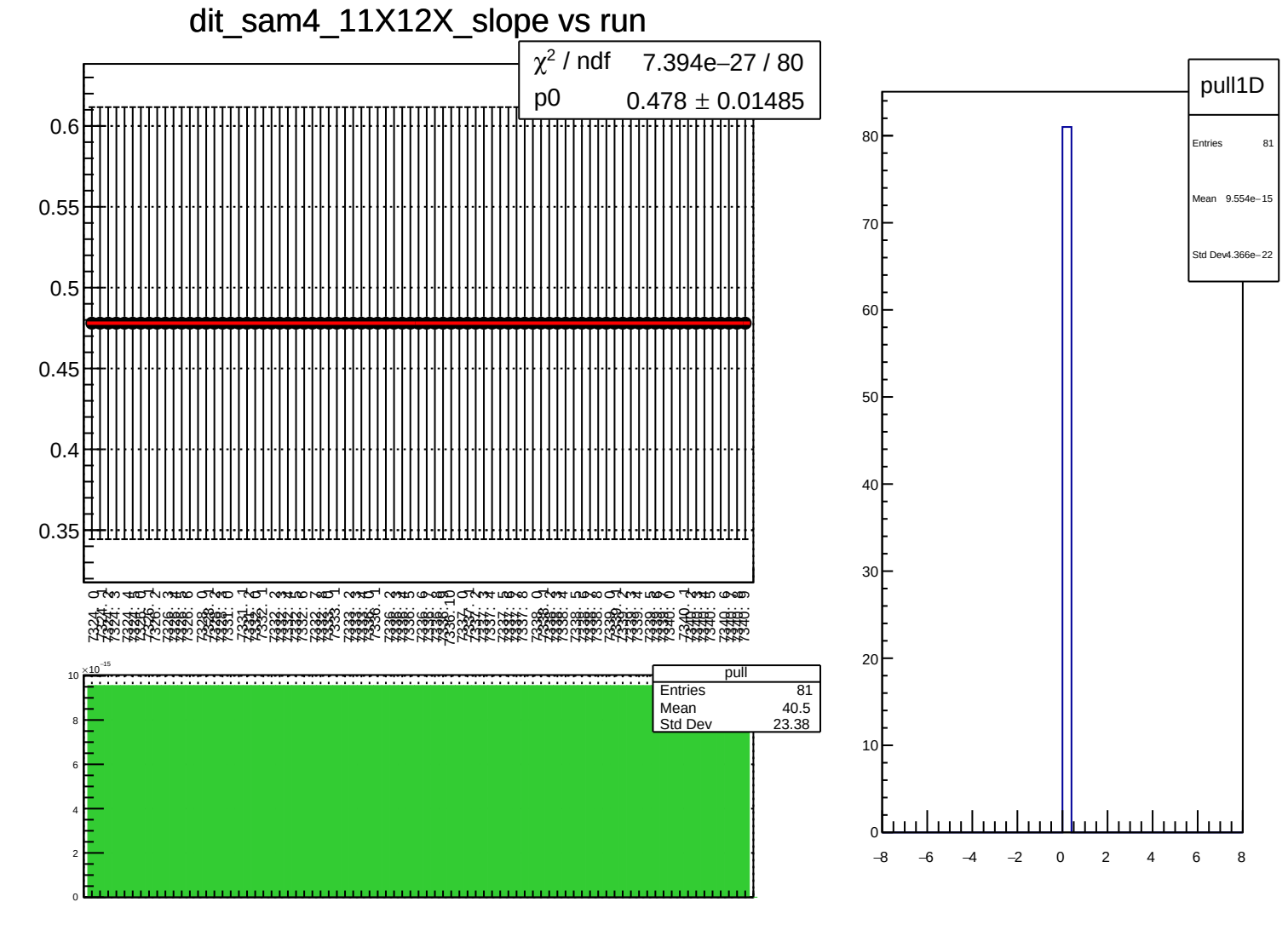

pull1D
Entries 81
Mean 4.081e−15
Std Dev 2.699e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

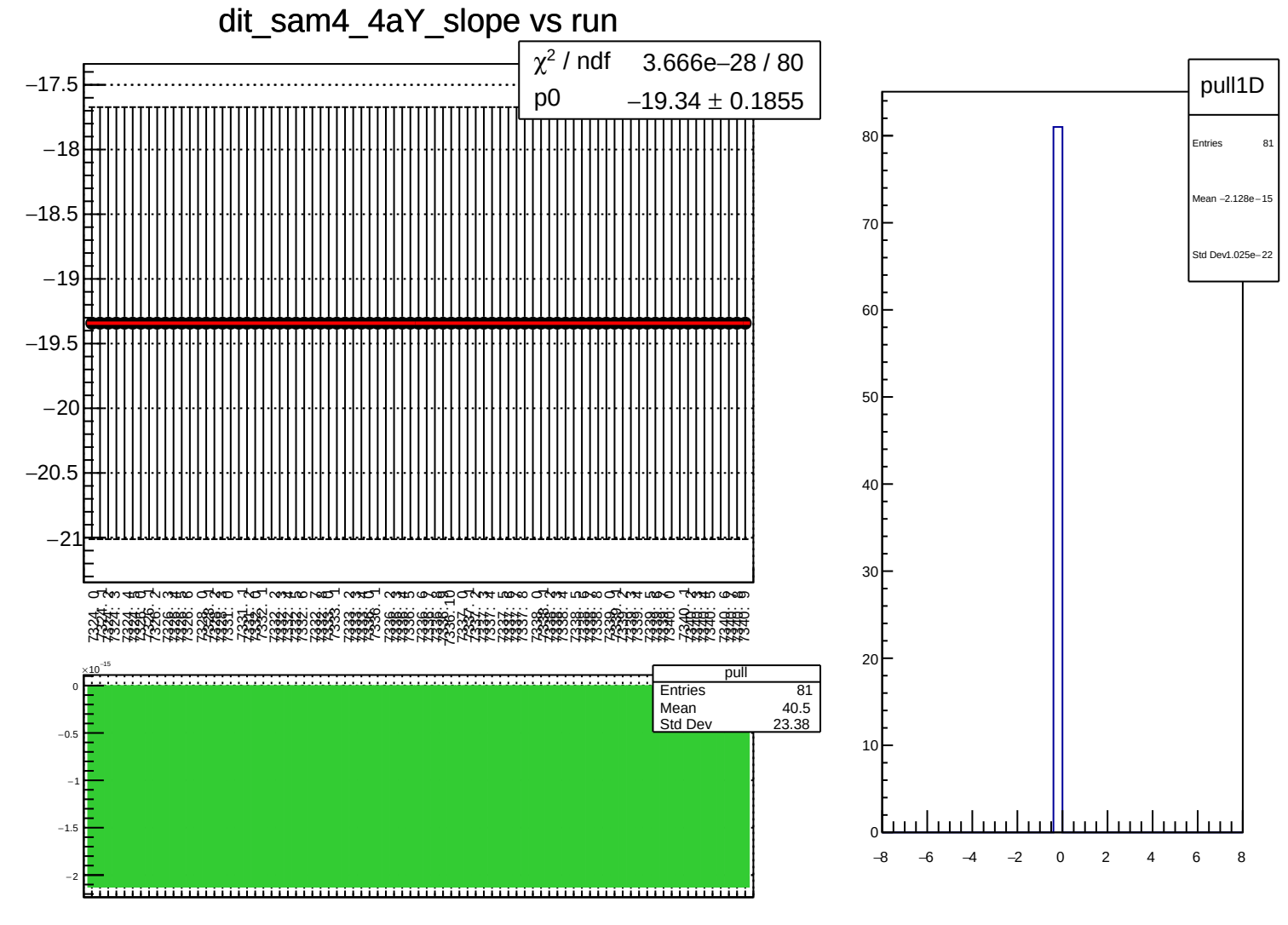

dit_sam3_4eY_slope vs run
χ² / ndf 1.677e−25 / 80
p0 32.08 ± 0.1215
33
32.5
32
31.5
31
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.549e−14
Std Dev1.694e−21

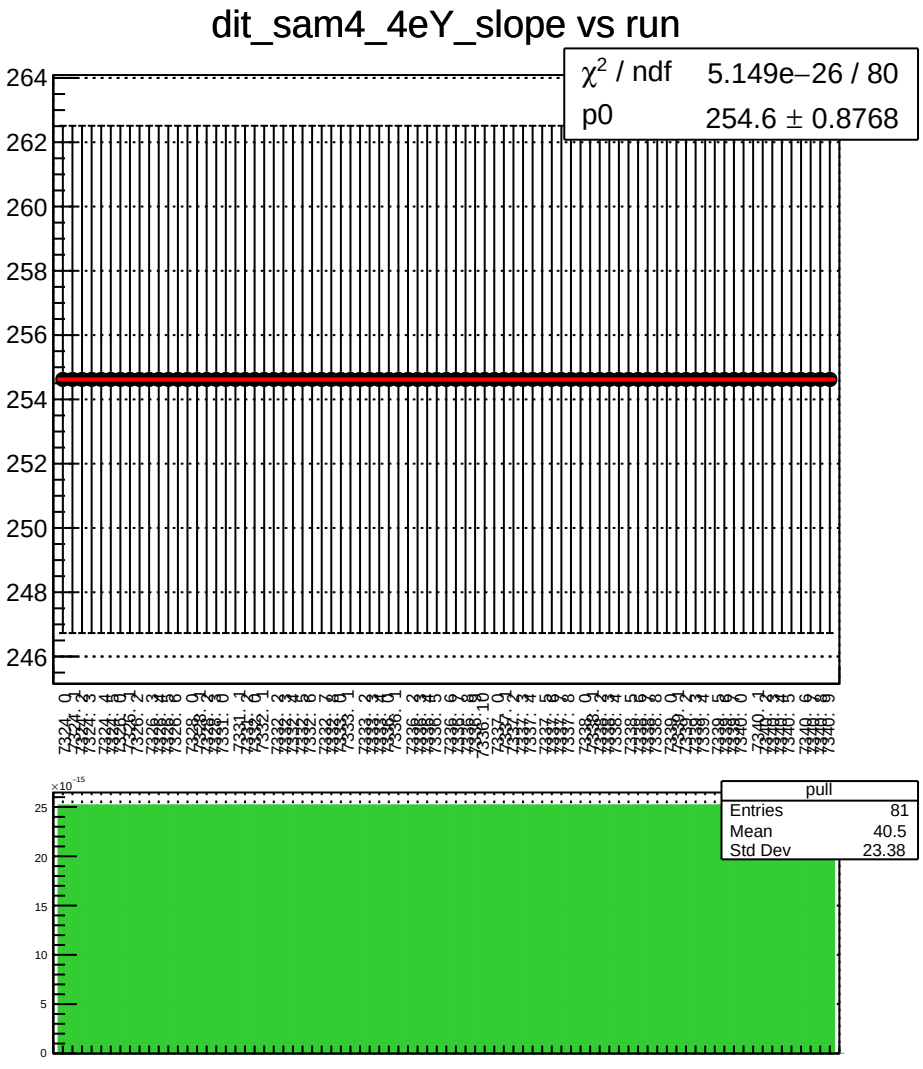

dit_sam4_4aX_slope vs run
χ² / ndf 7.415e−28 / 80
p0 25.86 ± 0.6523
pull
Entries 81
Mean 40.5
Std Dev 23.38

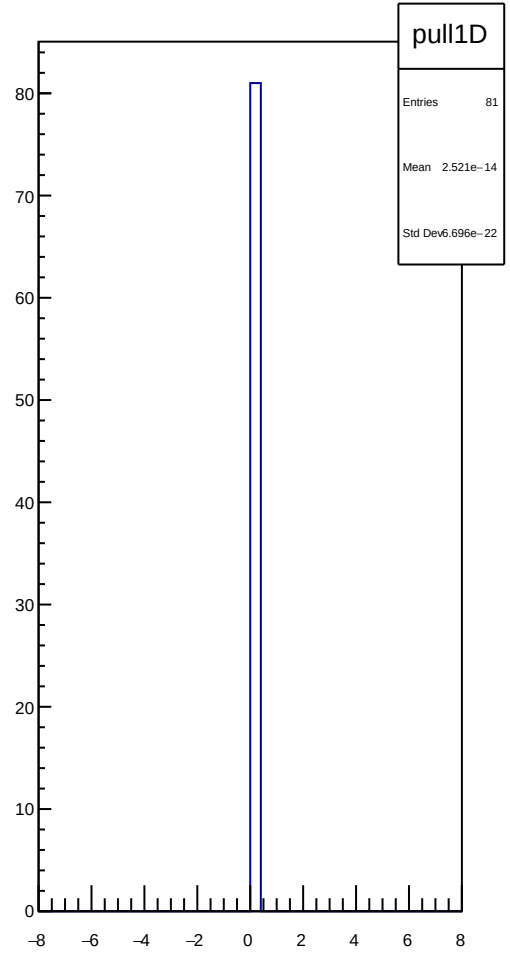

pull1D
Entries 81
Mean 3.026e−15
Std Dev 9.904e−23

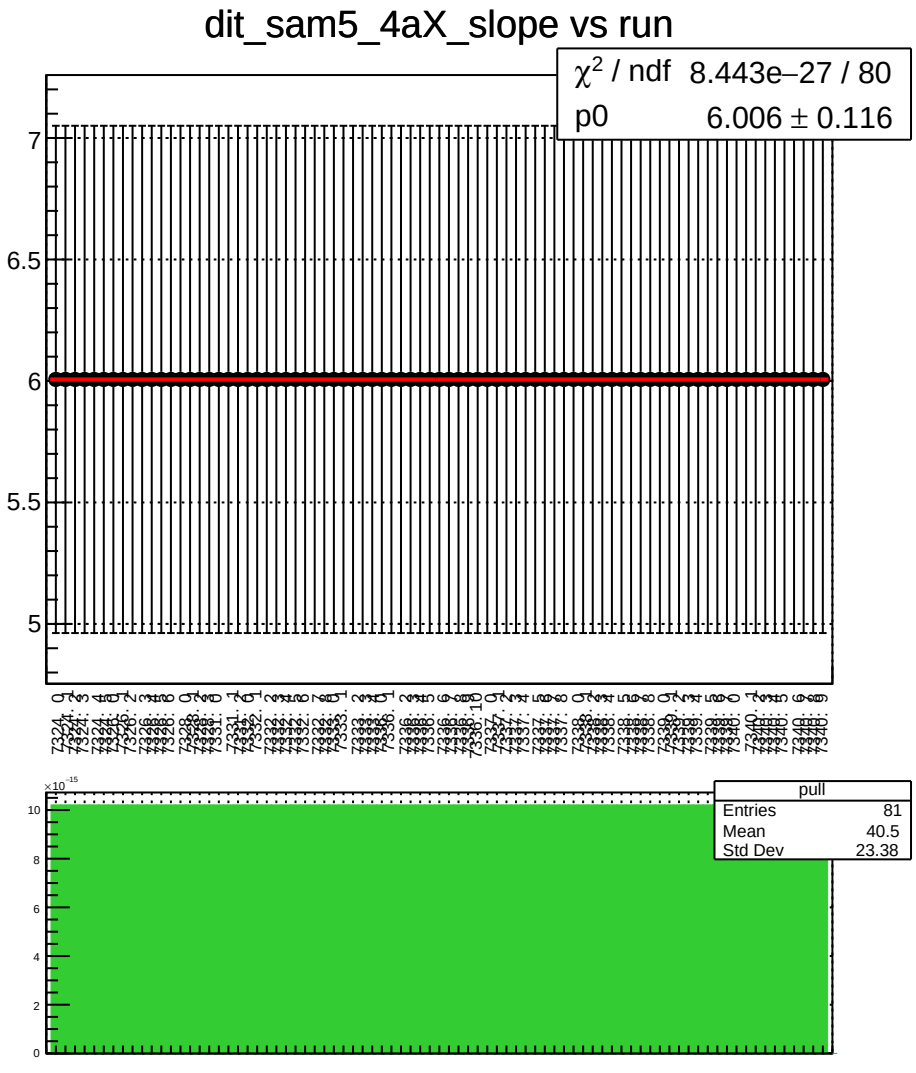

dit_sam4_4eX_slope vs run
χ² / ndf 5.555e−26 / 80
p0 −193.1 ± 0.8441
−186
−188
−190
−192
−194
−196
−198
−200
−202
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 81
Mean 2.619e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

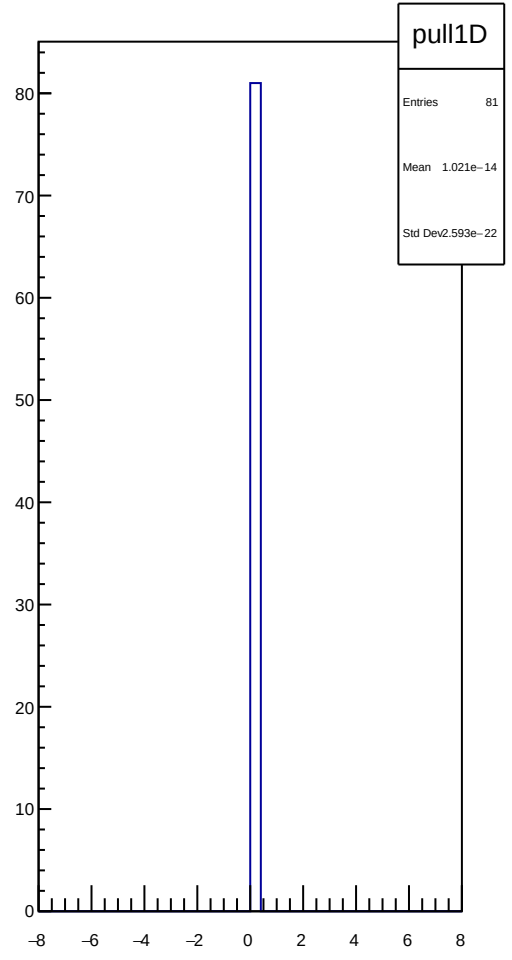

dit_sam4_11X12X_slope vs run
χ^2 / ndf 7.394e−27 / 80
p0 0.478 ± 0.01485
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.554e−15
Std Dev4.366e−22

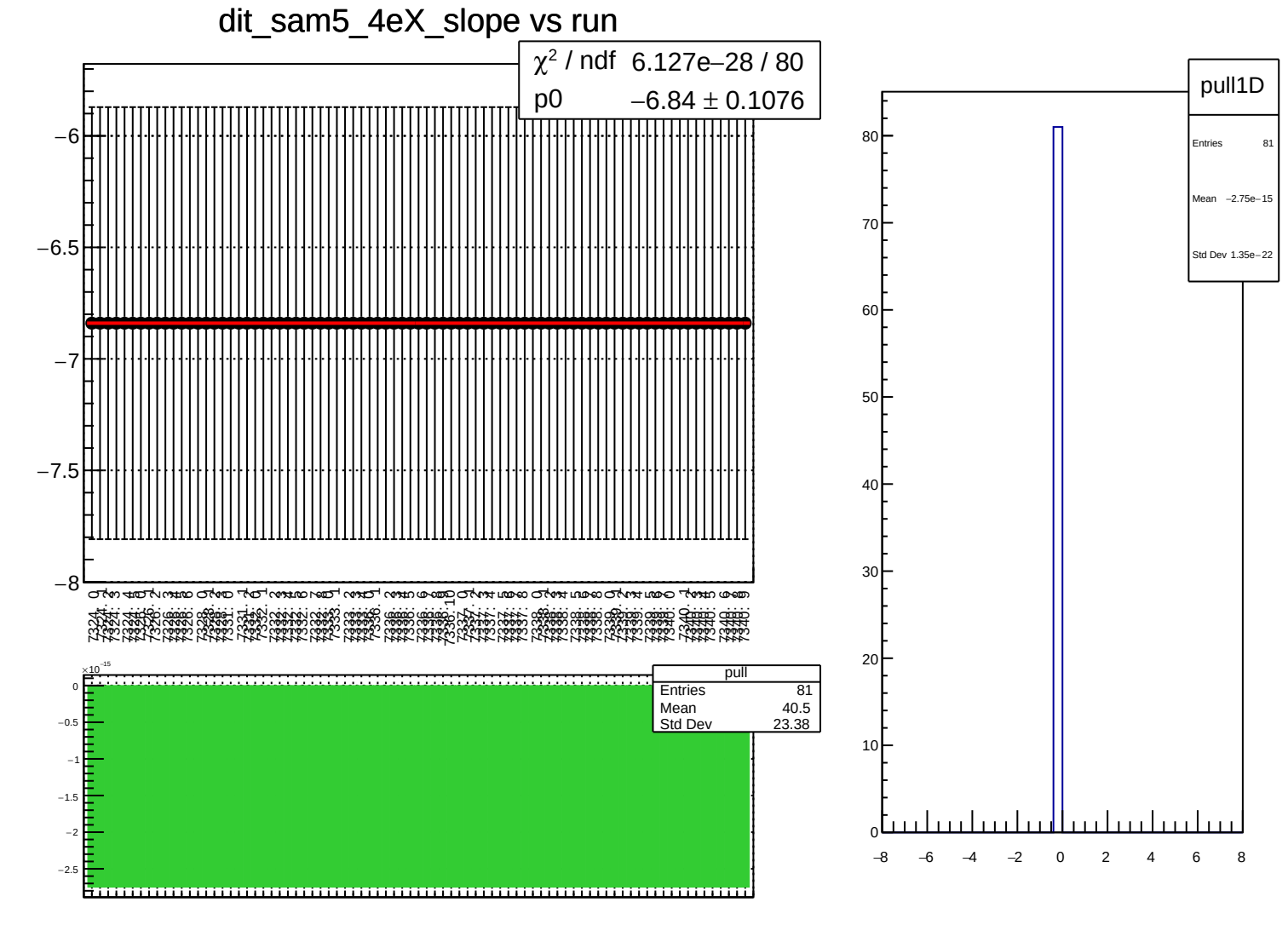

dit_sam4_4aY_slope vs run
χ² / ndf 3.666e−28 / 80
p0 −19.34 ± 0.1855
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −2.128e−15
Std Dev1.025e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

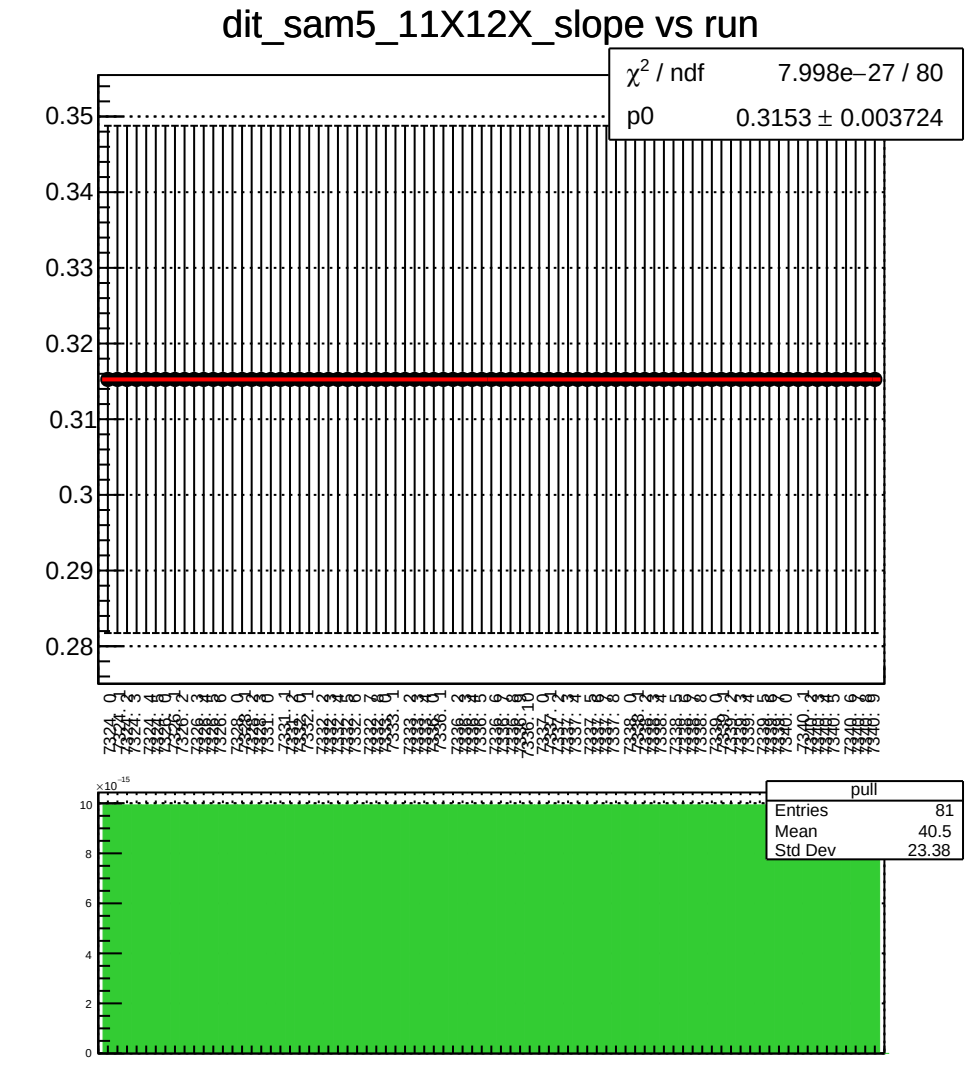

dit_sam4_4eY_slope vs run
χ² / ndf 5.149e−26 / 80
p0 254.6 ± 0.8768
pull
Entries 81
Mean 40.5
Std Dev 23.38

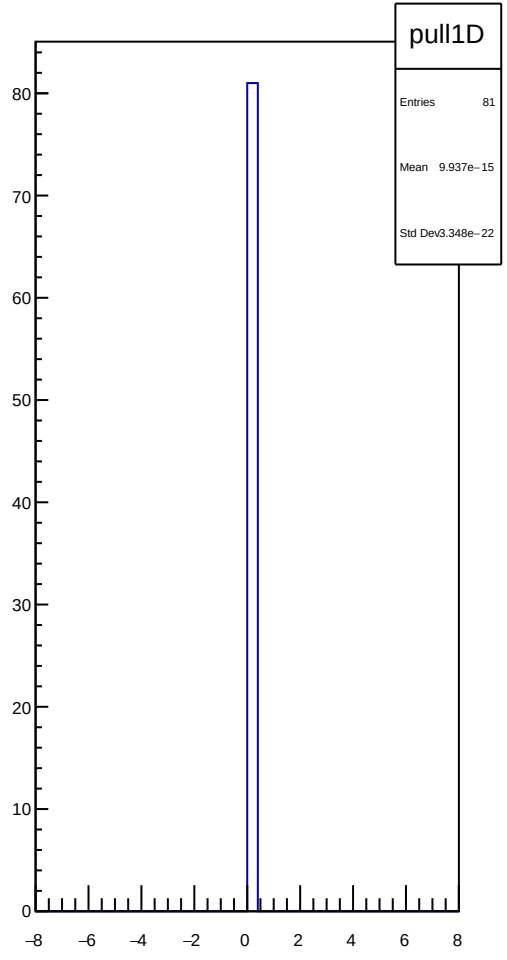

pull1D
Entries 81
Mean 2.521e−14
Std Dev 6.696e−22

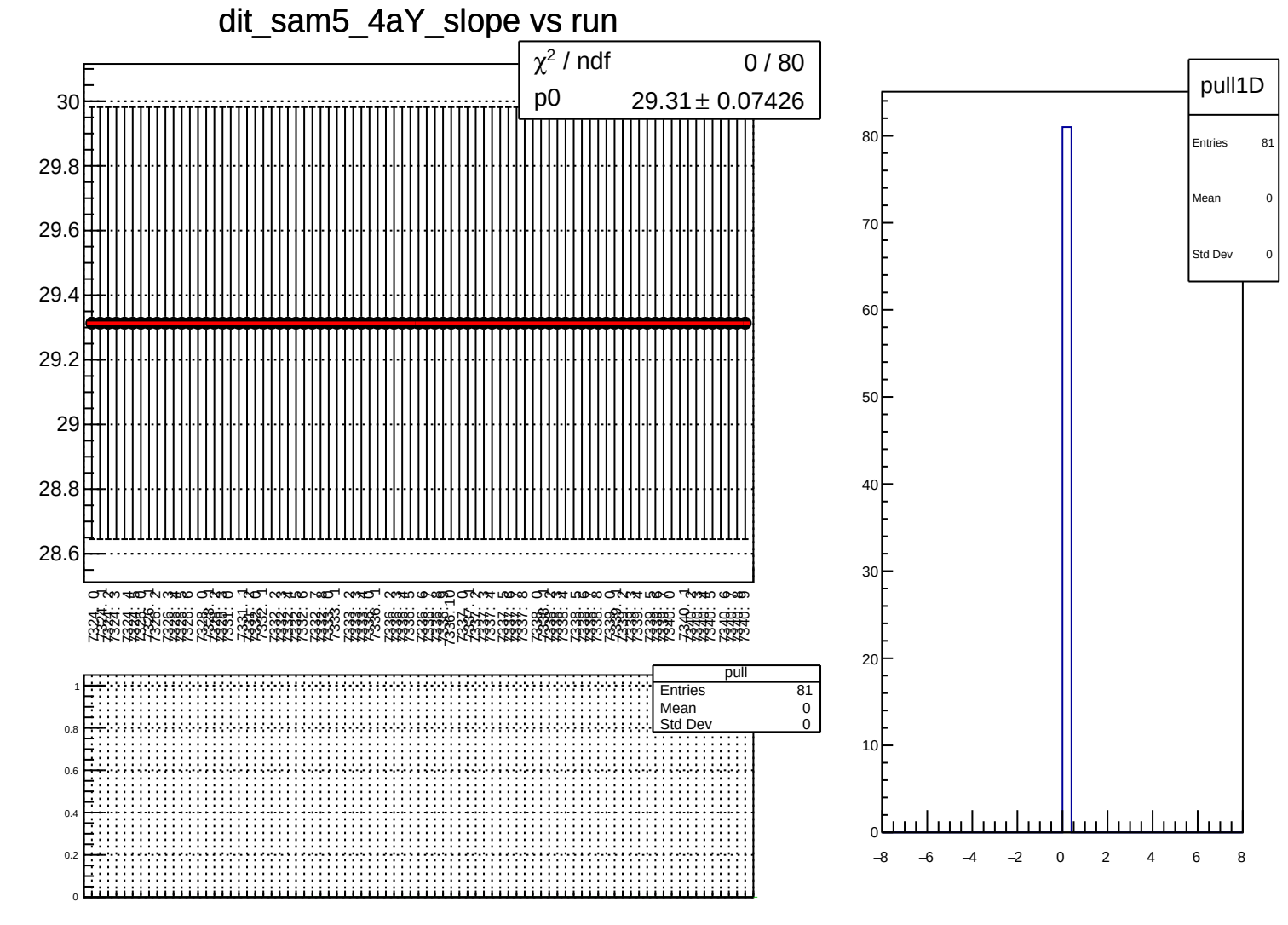

dit_sam5_4aX_slope vs run
χ² / ndf 8.443e−27 / 80
p0 6.006 ± 0.116
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

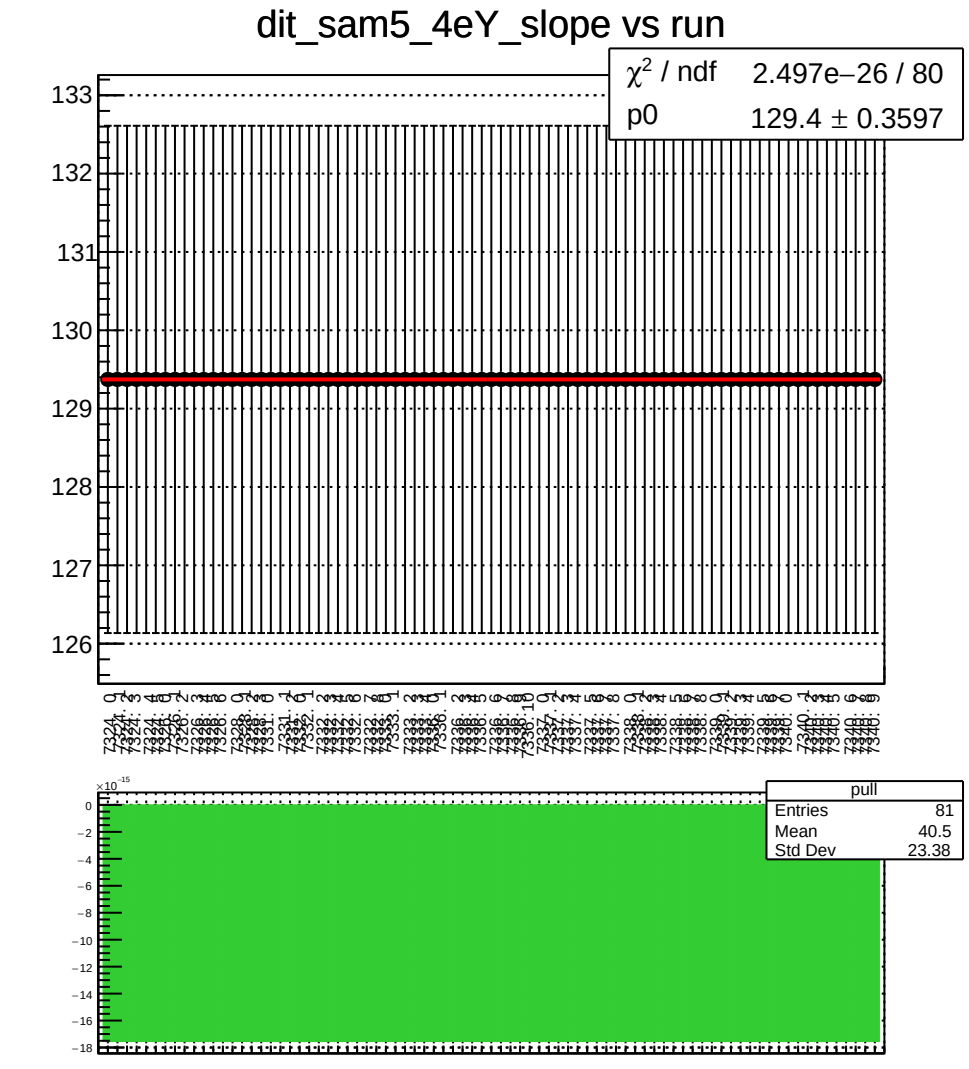

pull1D
Entries 81
Mean 1.021e−14
Std Dev 2.593e−22

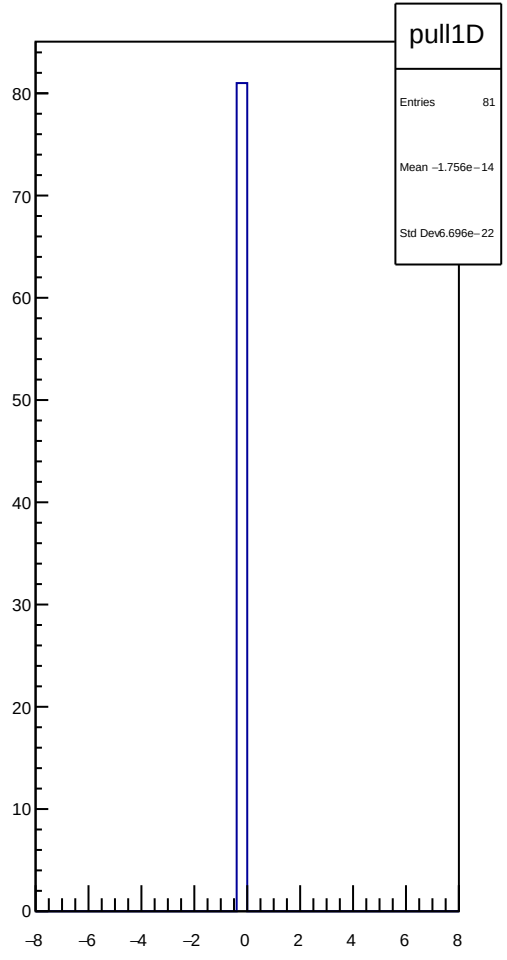

dit_sam5_4eX_slope vs run
χ² / ndf 6.127e−28 / 80
p0 −6.84 ± 0.1076
−6
−6.5
−7
−7.5
−8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −2.75e−15
Std Dev 1.35e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

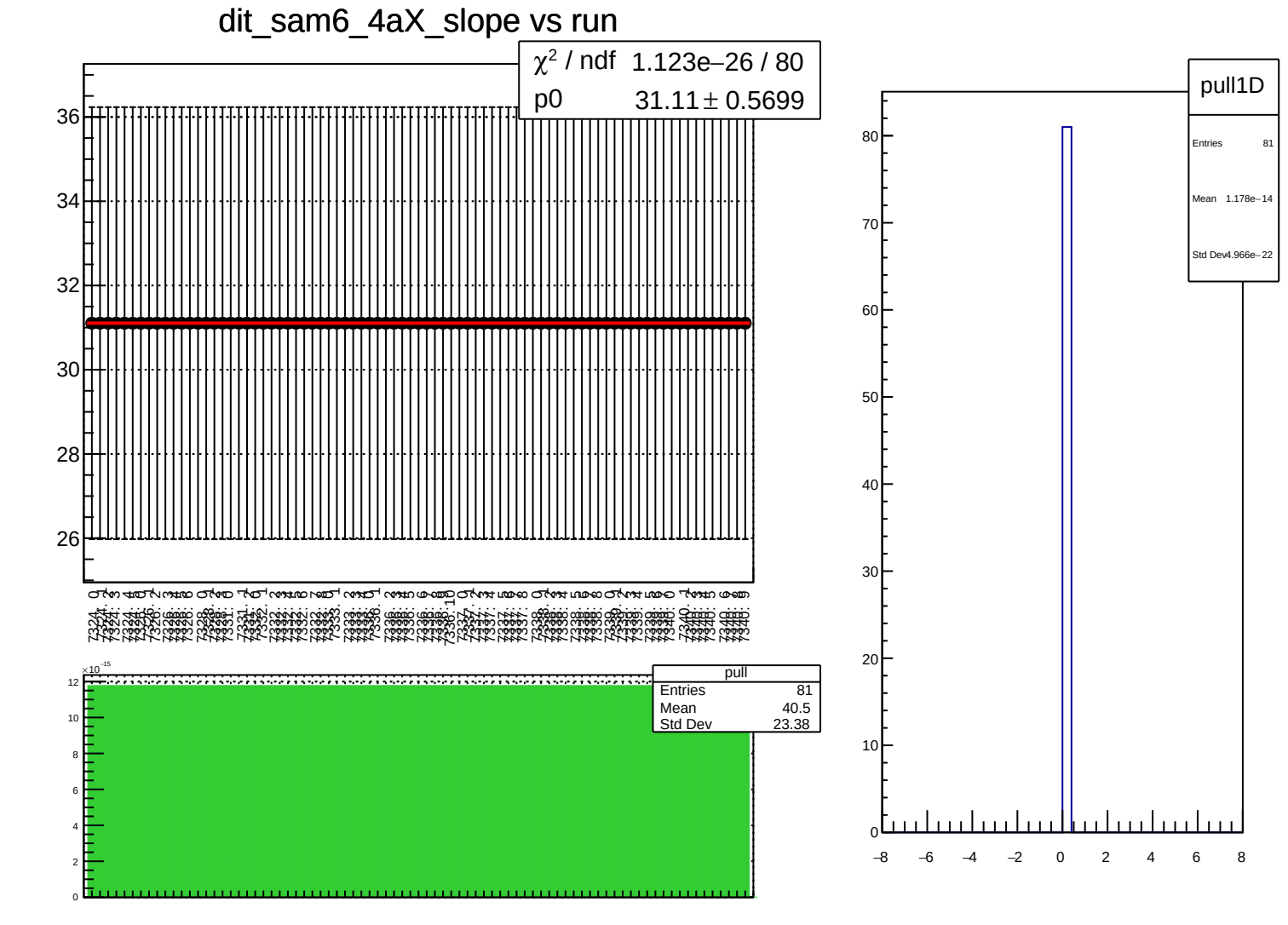

dit_sam5_11X12X_slope vs run
χ² / ndf 7.998e−27 / 80
p0 0.3153 ± 0.003724
0.35
0.34
0.33
0.32
0.31
0.3
0.29
0.28
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
10
8
6
4
2
0

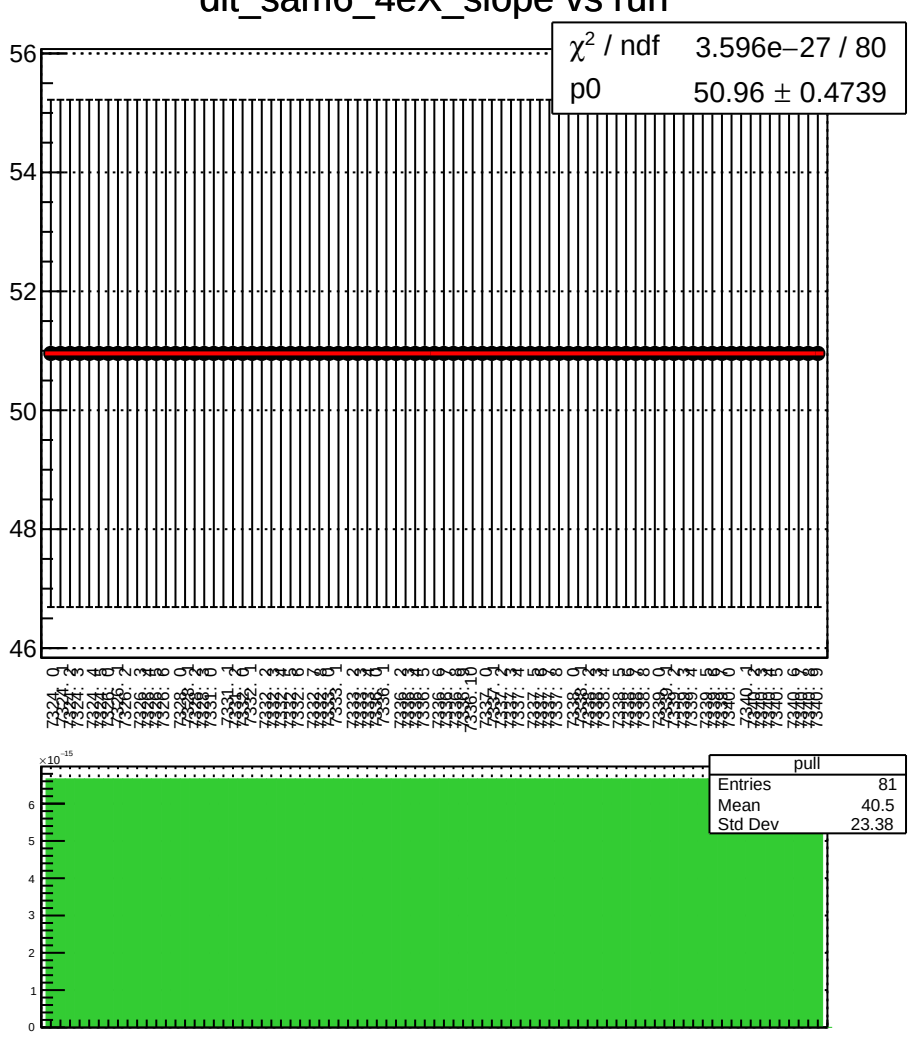

pull1D
Entries 81
Mean 9.937e−15
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

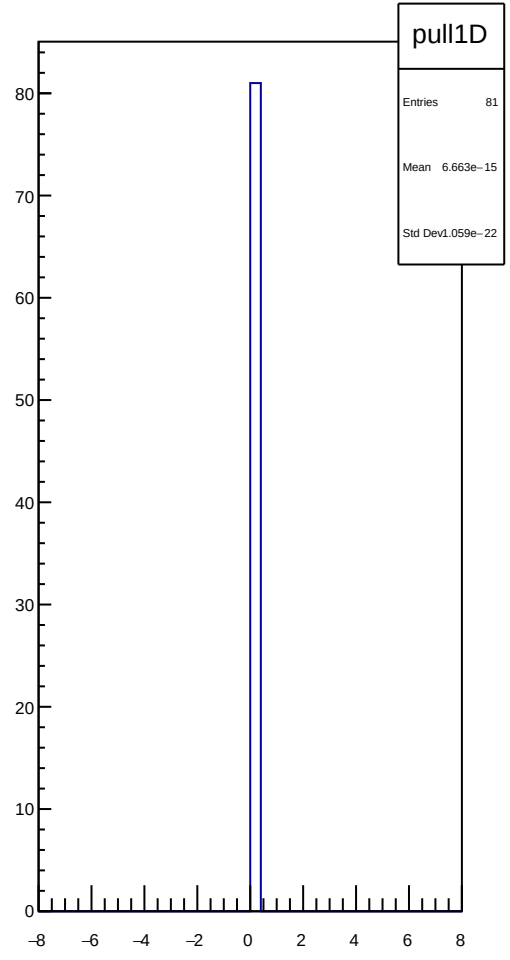

dit_sam5_4aY_slope vs run
χ² / ndf 0 / 80
p0 29.31 ± 0.07426
30
29.8
29.6
29.4
29.2
29
28.8
28.6
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

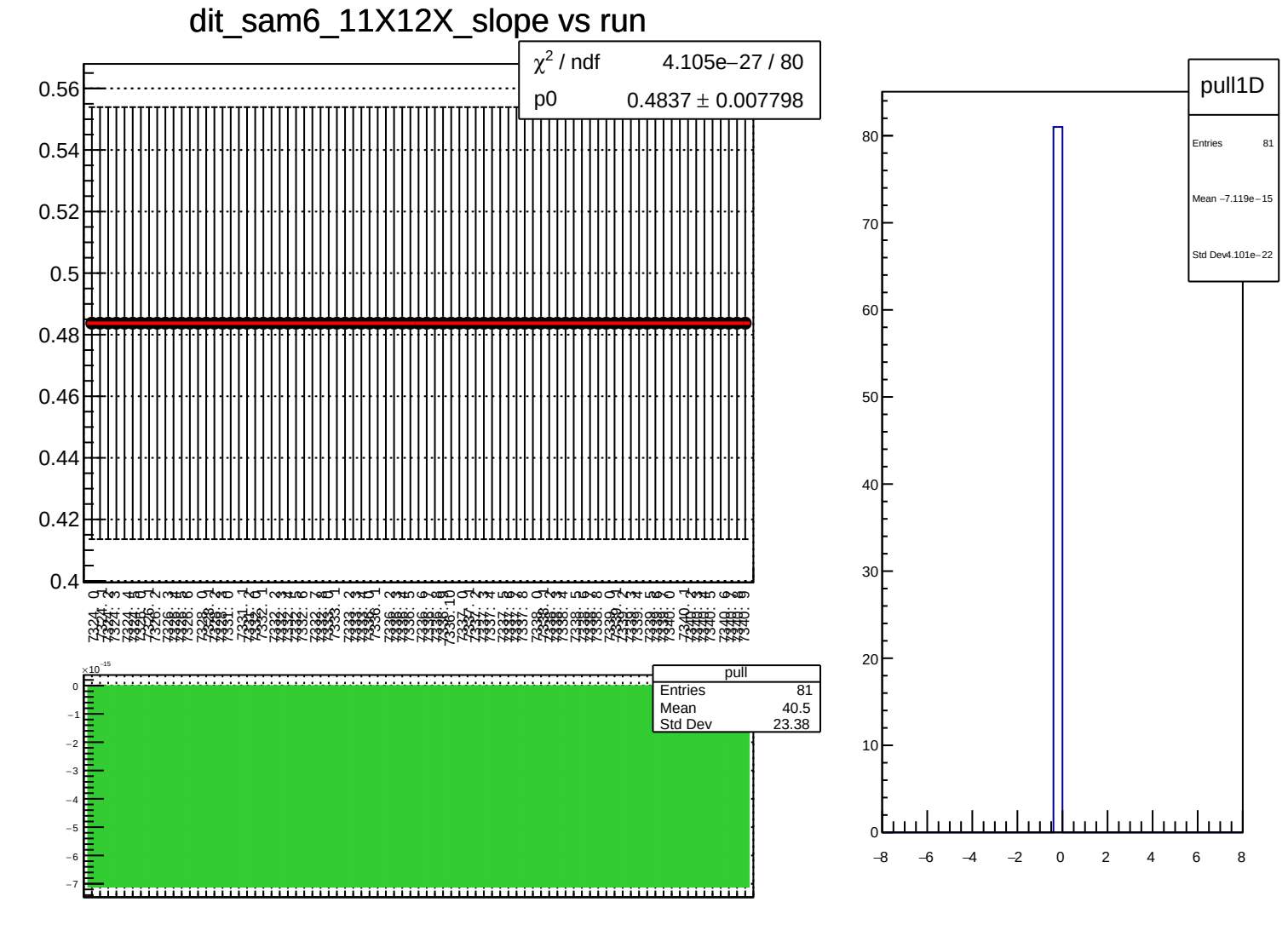

dit_sam5_4eY_slope vs run
χ² / ndf 2.497e−26 / 80
p0 129.4 ± 0.3597
pull
Entries 81
Mean 40.5
Std Dev 23.38

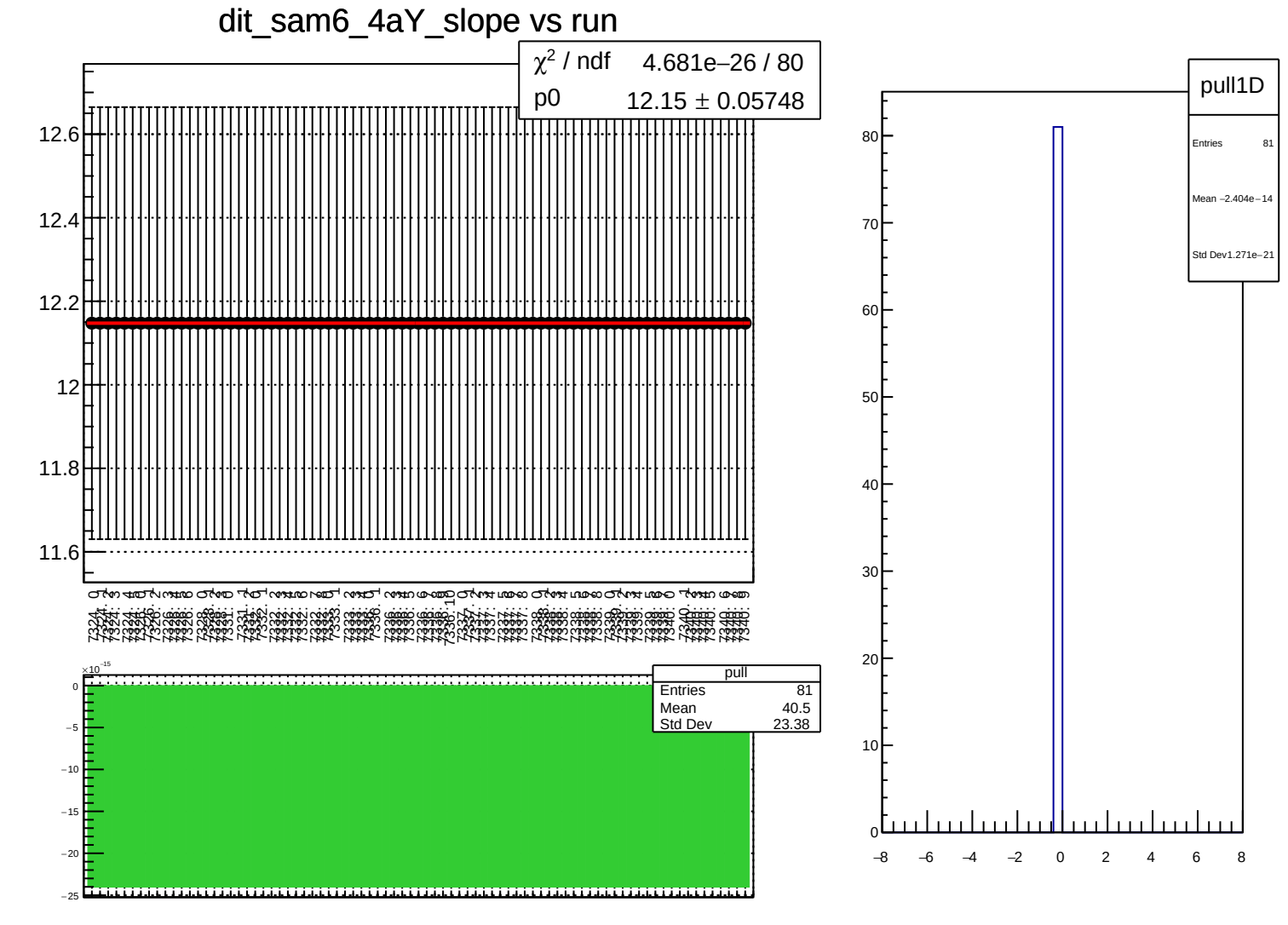

pull1D
Entries 81
Mean −1.756e−14
Std Dev 6.696e−22

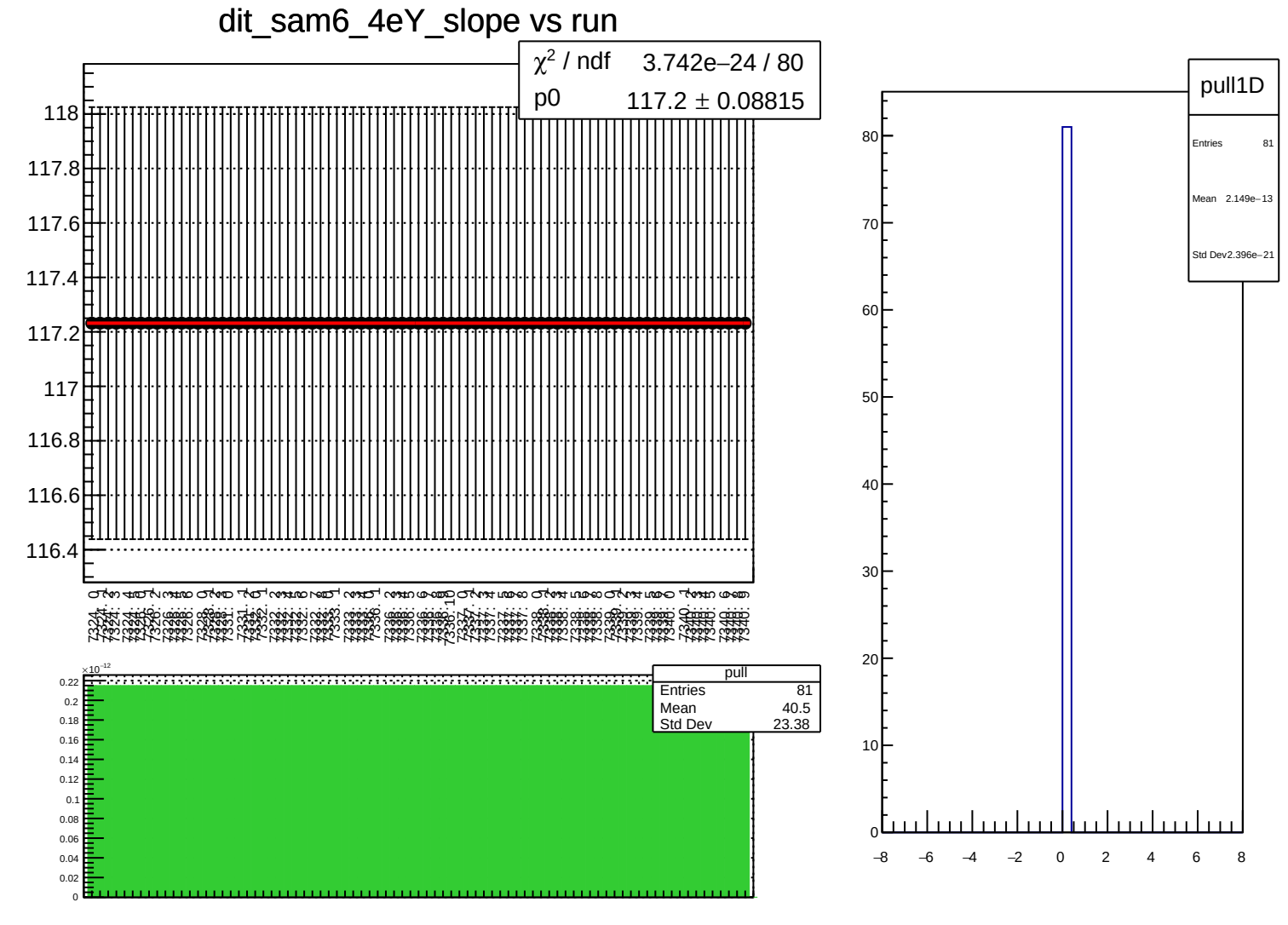

dit_sam6_4aX_slope vs run
χ^2 / ndf 1.123e−26 / 80
p0 31.11 ± 0.5699
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.178e−14
Std Dev4.966e−22

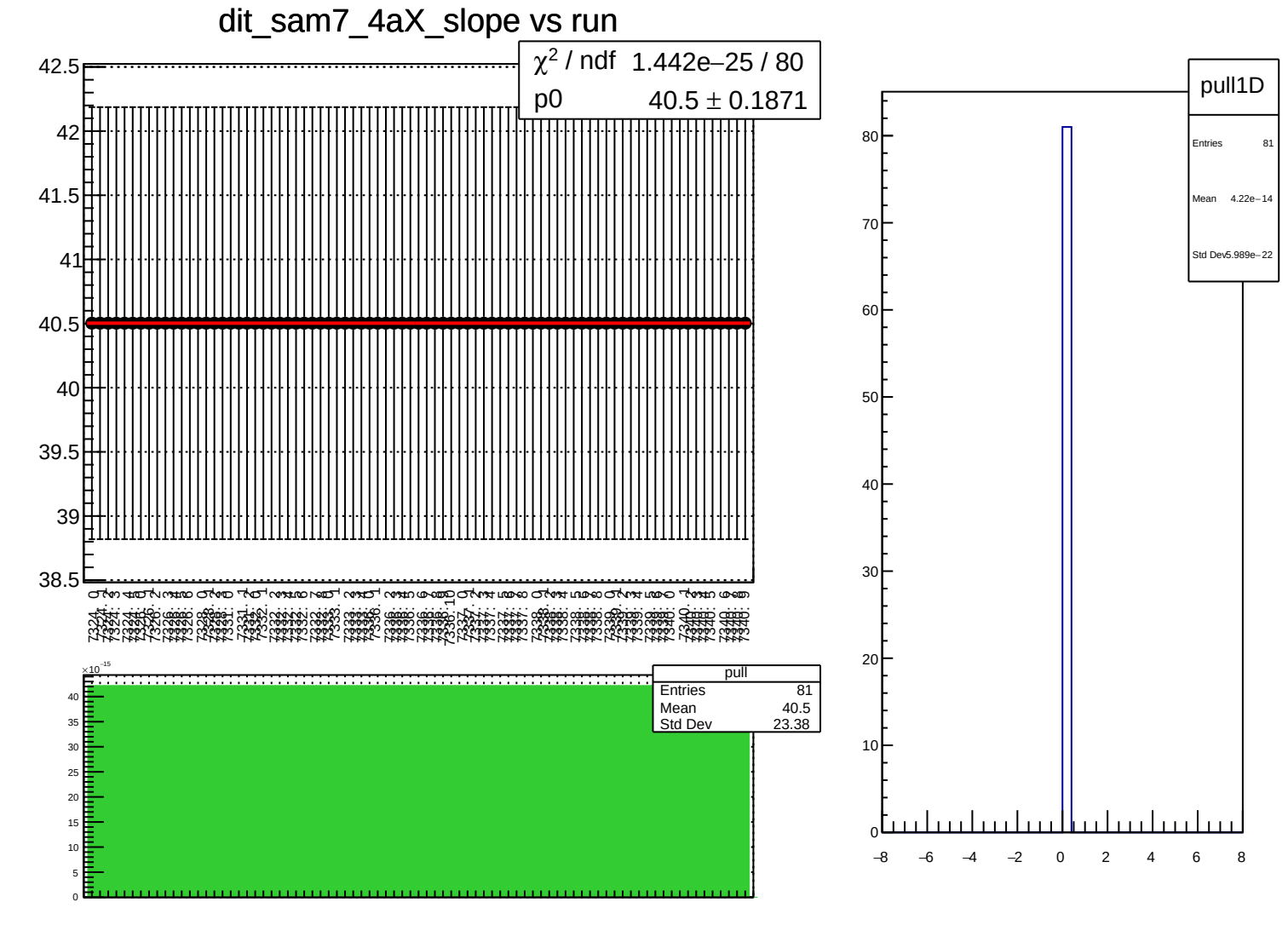

dit_sam6_4eX_slope vs run
χ² / ndf 3.596e−27 / 80
p0 50.96 ± 0.4739
pull
Entries 81
Mean 40.5
Std Dev 23.38

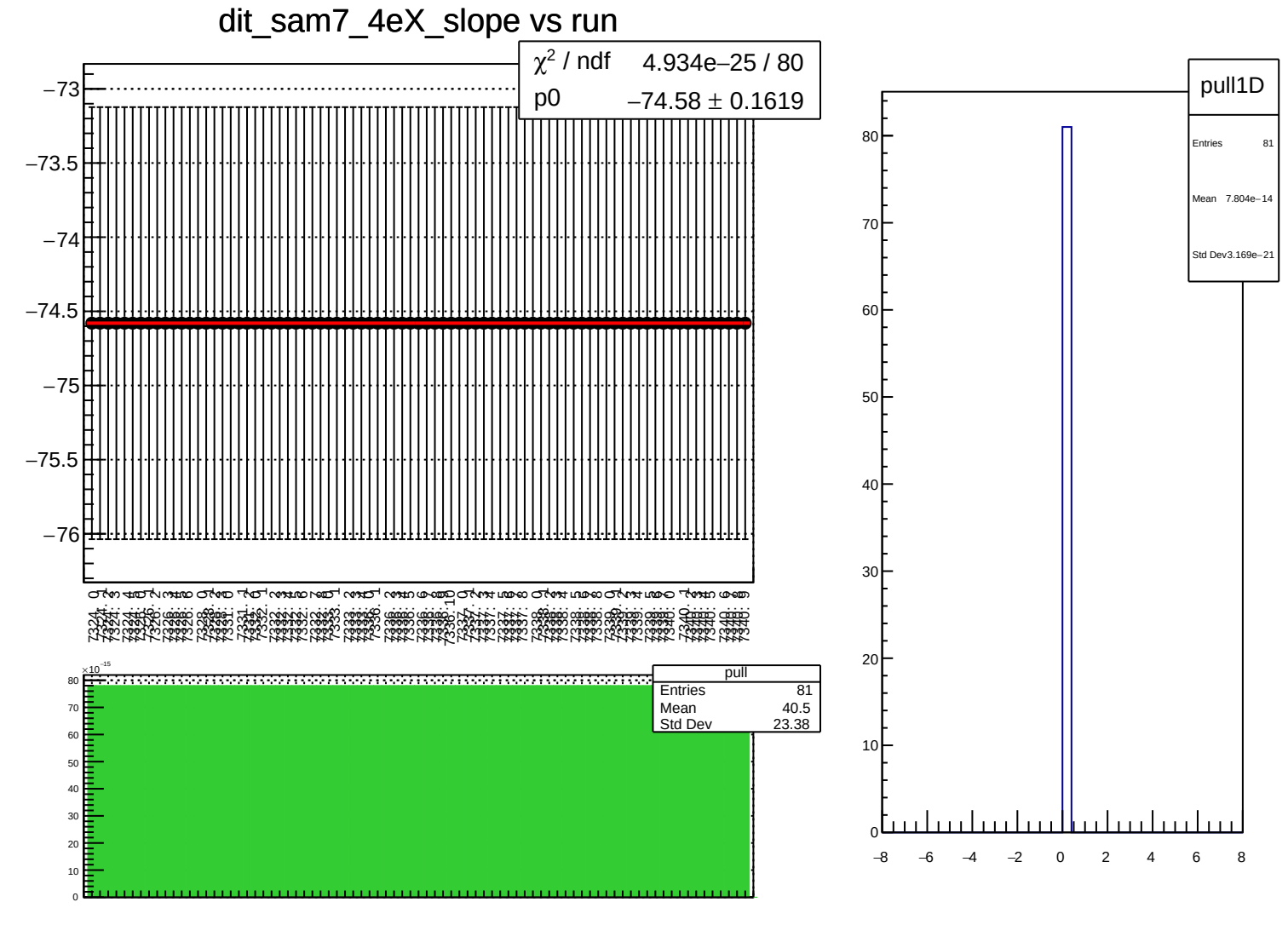

pull1D
Entries 81
Mean 6.663e−15
Std Dev1.059e−22

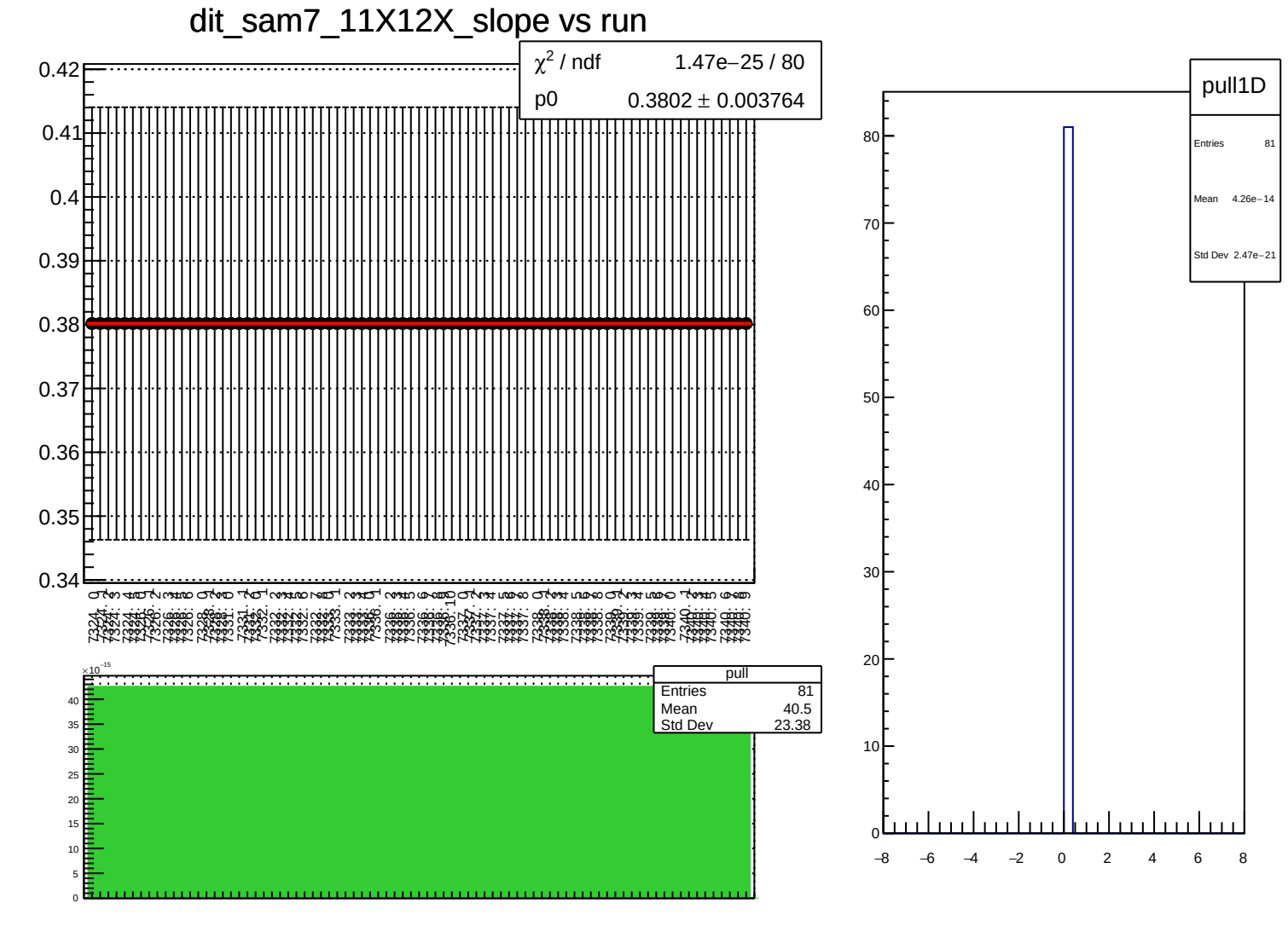

dit_sam6_11X12X_slope vs run
χ² / ndf 4.105e−27 / 80
p0 0.4837 ± 0.007798
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −7.119e−15
Std Dev 4.101e−22

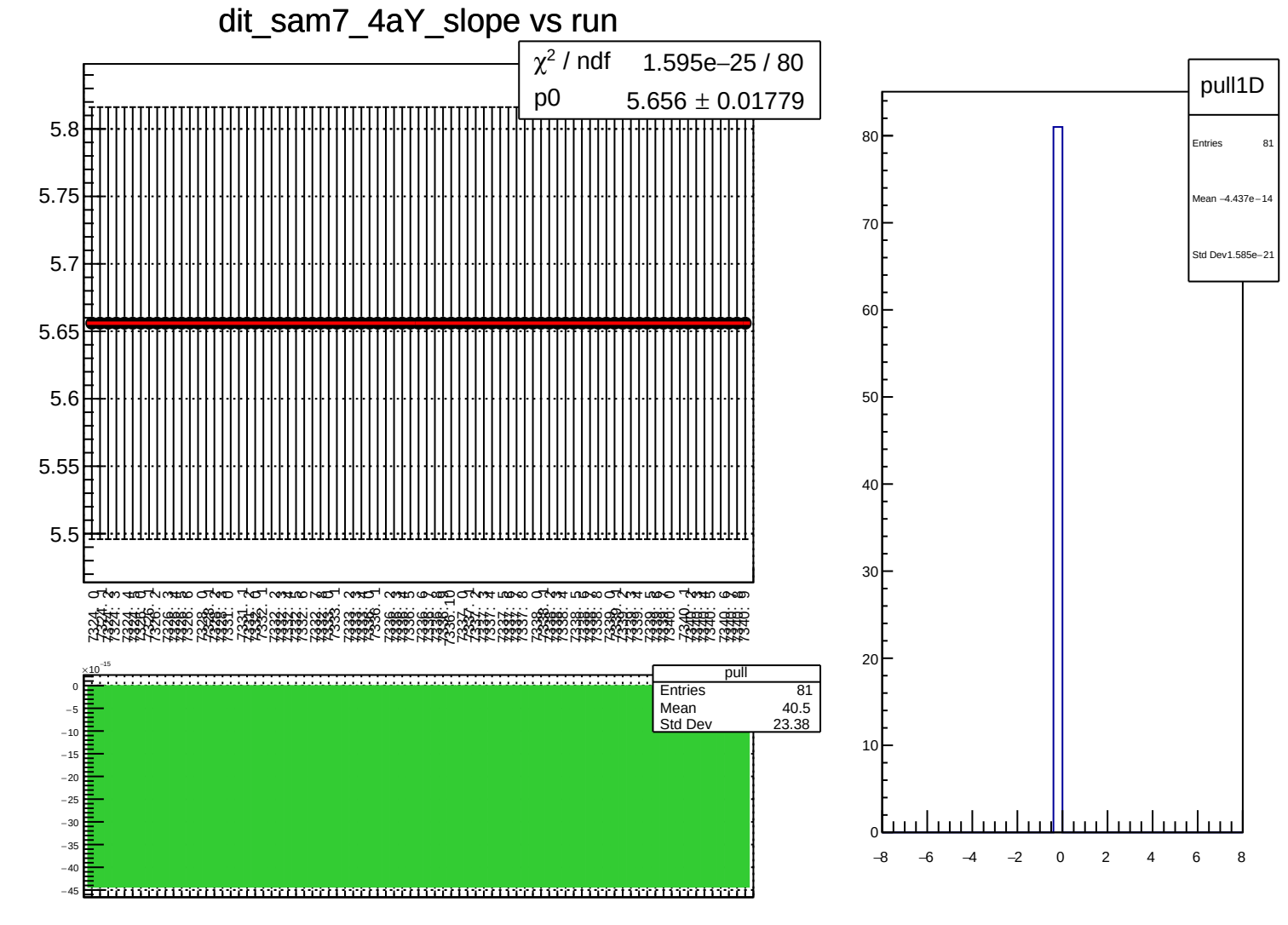

dit_sam6_4aY_slope vs run
χ² / ndf 4.681e−26 / 80
p0 12.15 ± 0.05748
12.6
12.4
12.2
12
11.8
11.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean −2.404e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

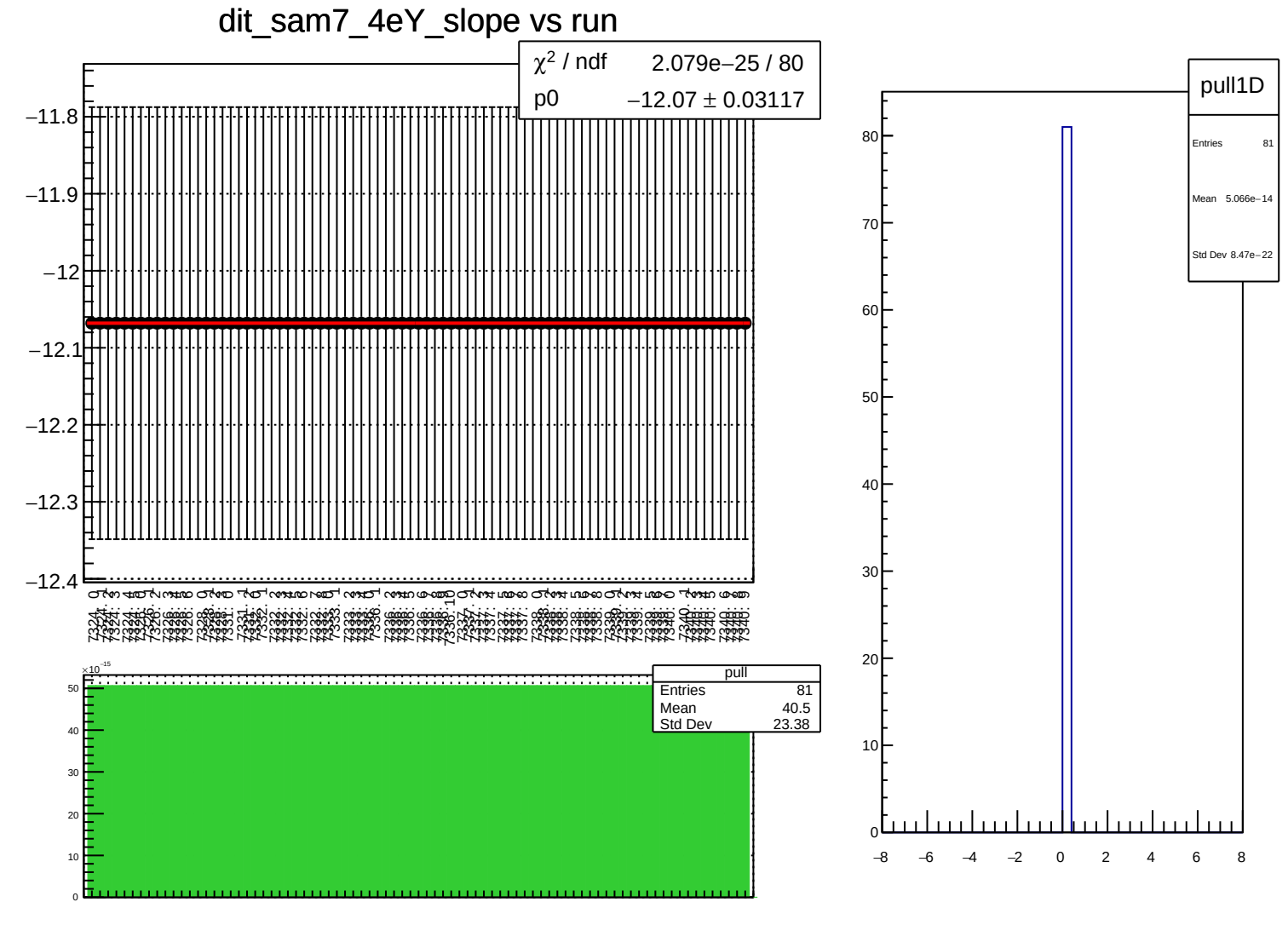

dit_sam6_4eY_slope vs run
χ² / ndf 3.742e−24 / 80
p0 117.2 ± 0.08815
118
117.8
117.6
117.4
117.2
117
116.8
116.6
116.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 2.149e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

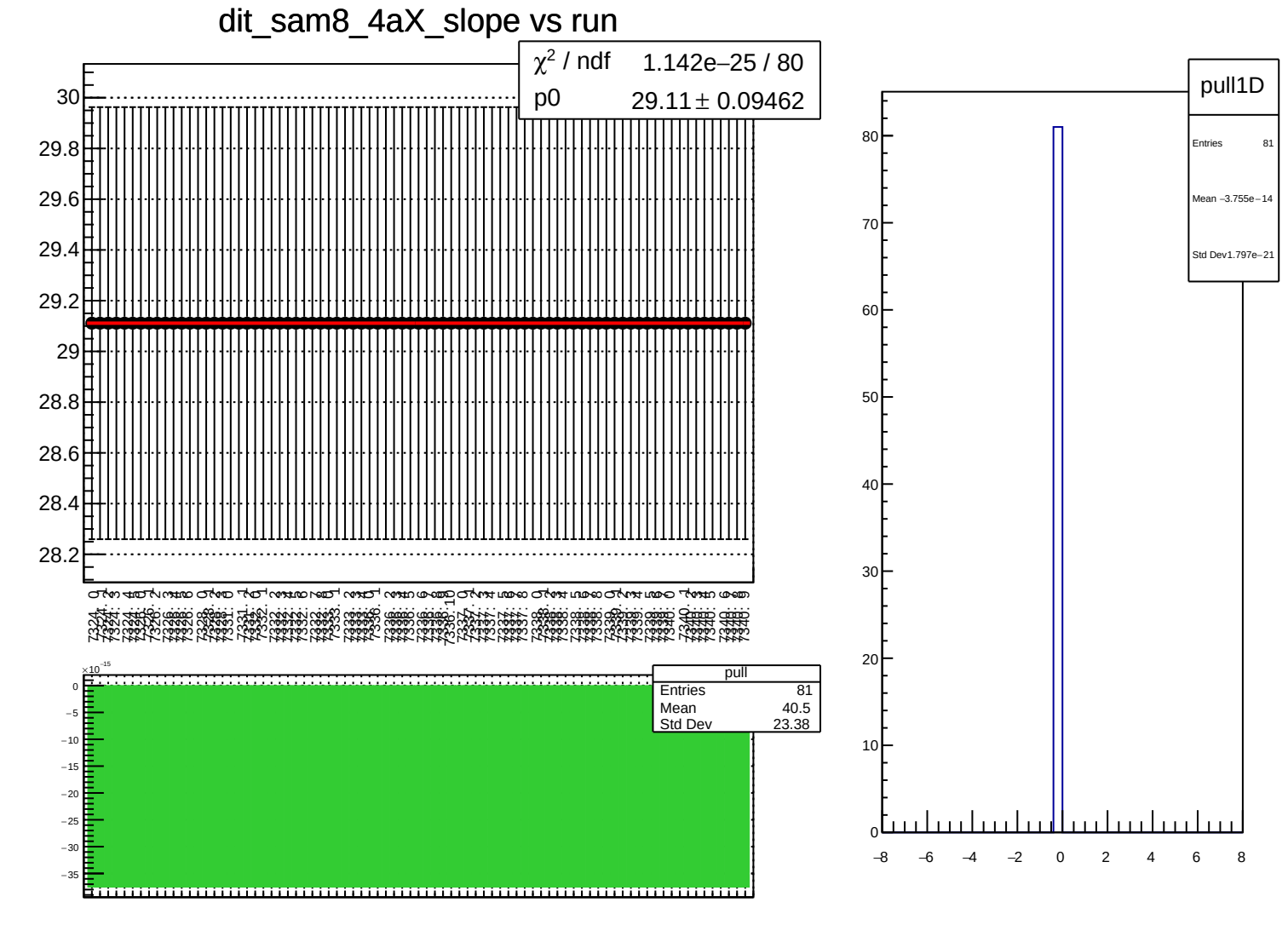

dit_sam7_4aX_slope vs run
χ² / ndf 1.442e−25 / 80
p0 40.5 ± 0.1871
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.22e−14
Std Dev 5.989e−22

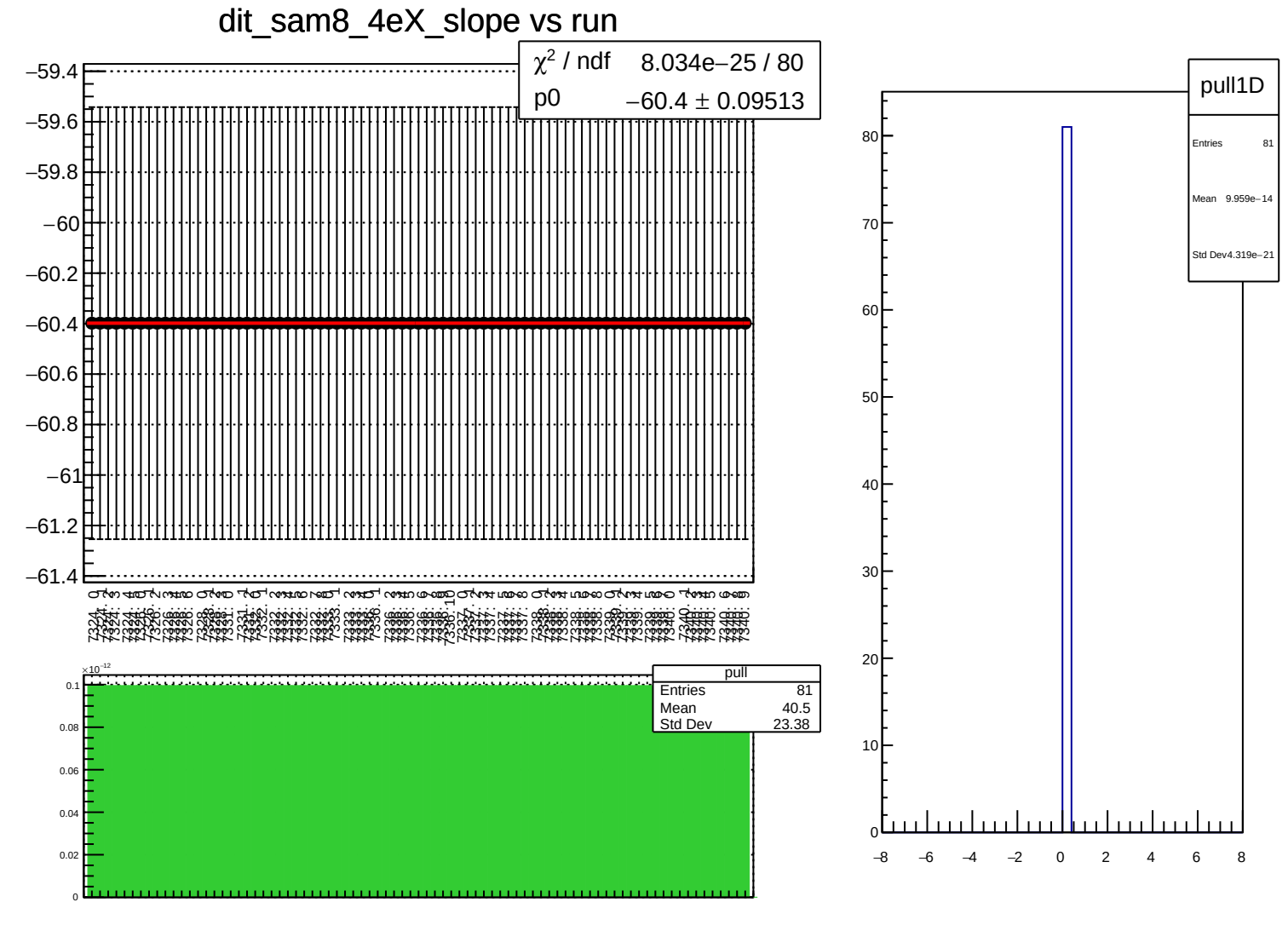

dit_sam7_4eX_slope vs run
χ² / ndf 4.934e−25 / 80
p0 −74.58 ± 0.1619
−73
−73.5
−74
−74.5
−75
−75.5
−76
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 7.804e−14
Std Dev3.169e−21

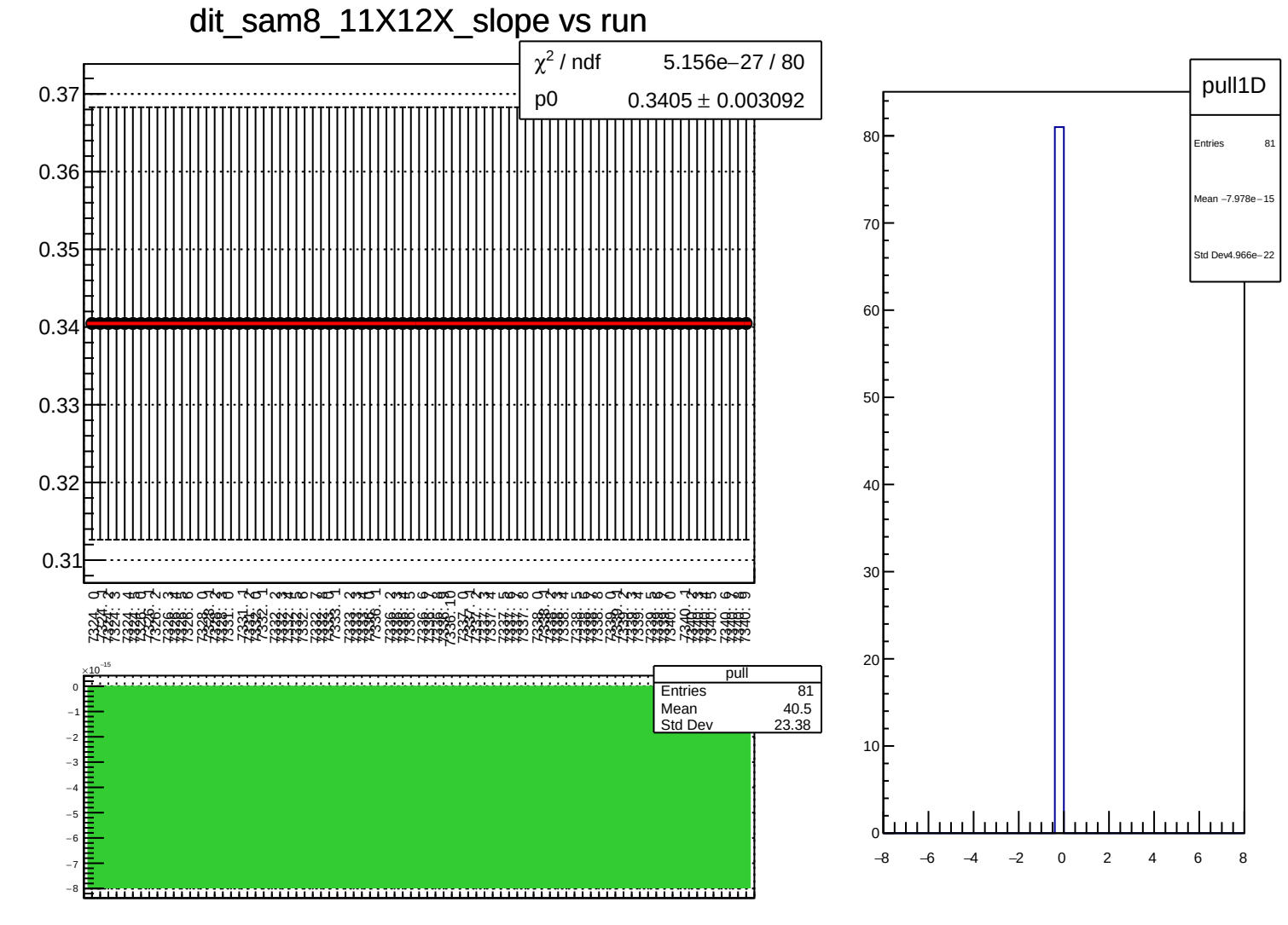

dit_sam7_11X12X_slope vs run
χ² / ndf 1.47e−25 / 80
p0 0.3802 ± 0.003764
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 4.26e−14
Std Dev 2.47e−21

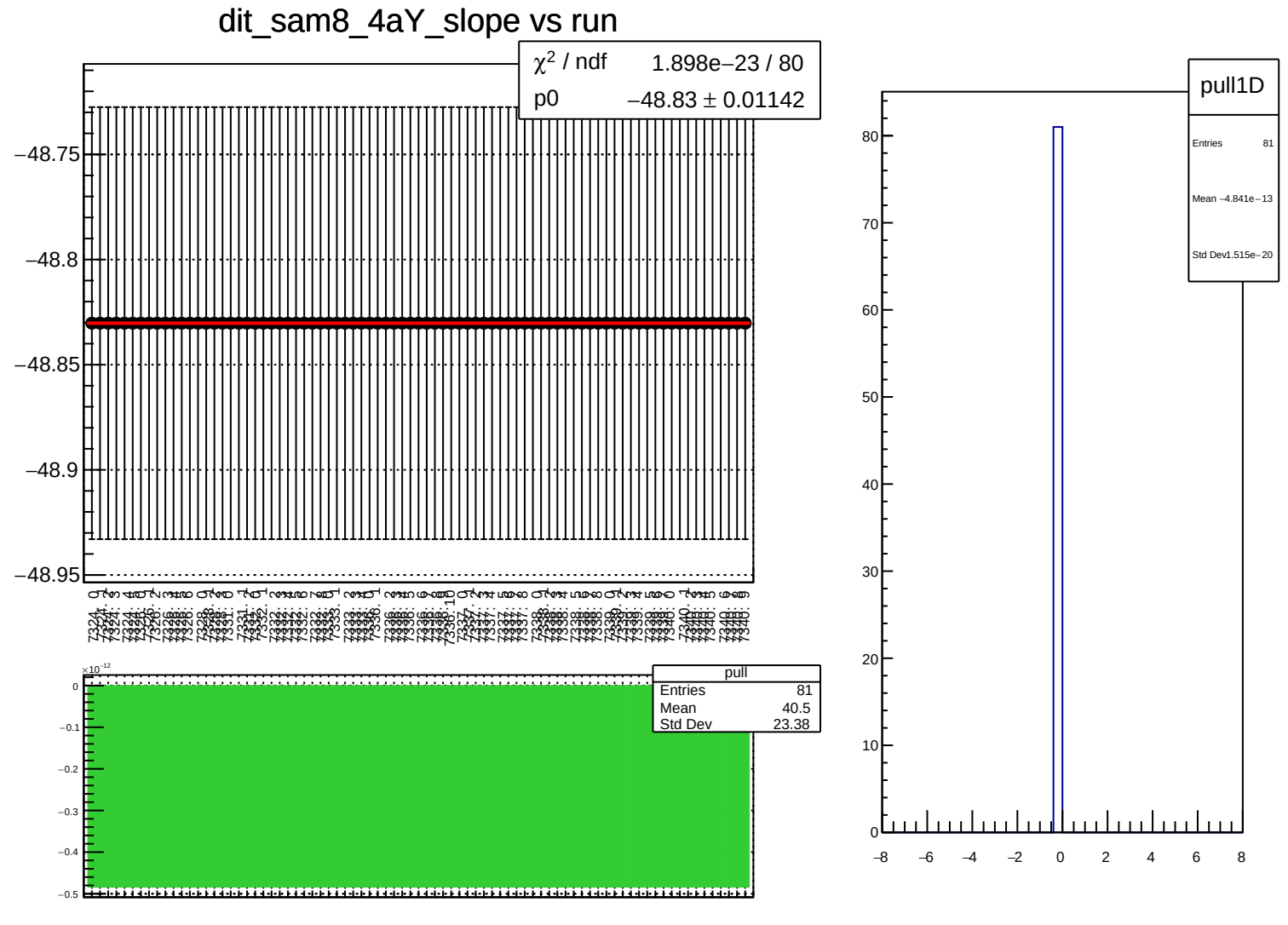

dit_sam7_4aY_slope vs run
χ² / ndf 1.595e−25 / 80
p0 5.656 ± 0.01779
5.8
5.75
5.7
5.65
5.6
5.55
5.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 81
Mean −4.437e−14
Std Dev1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

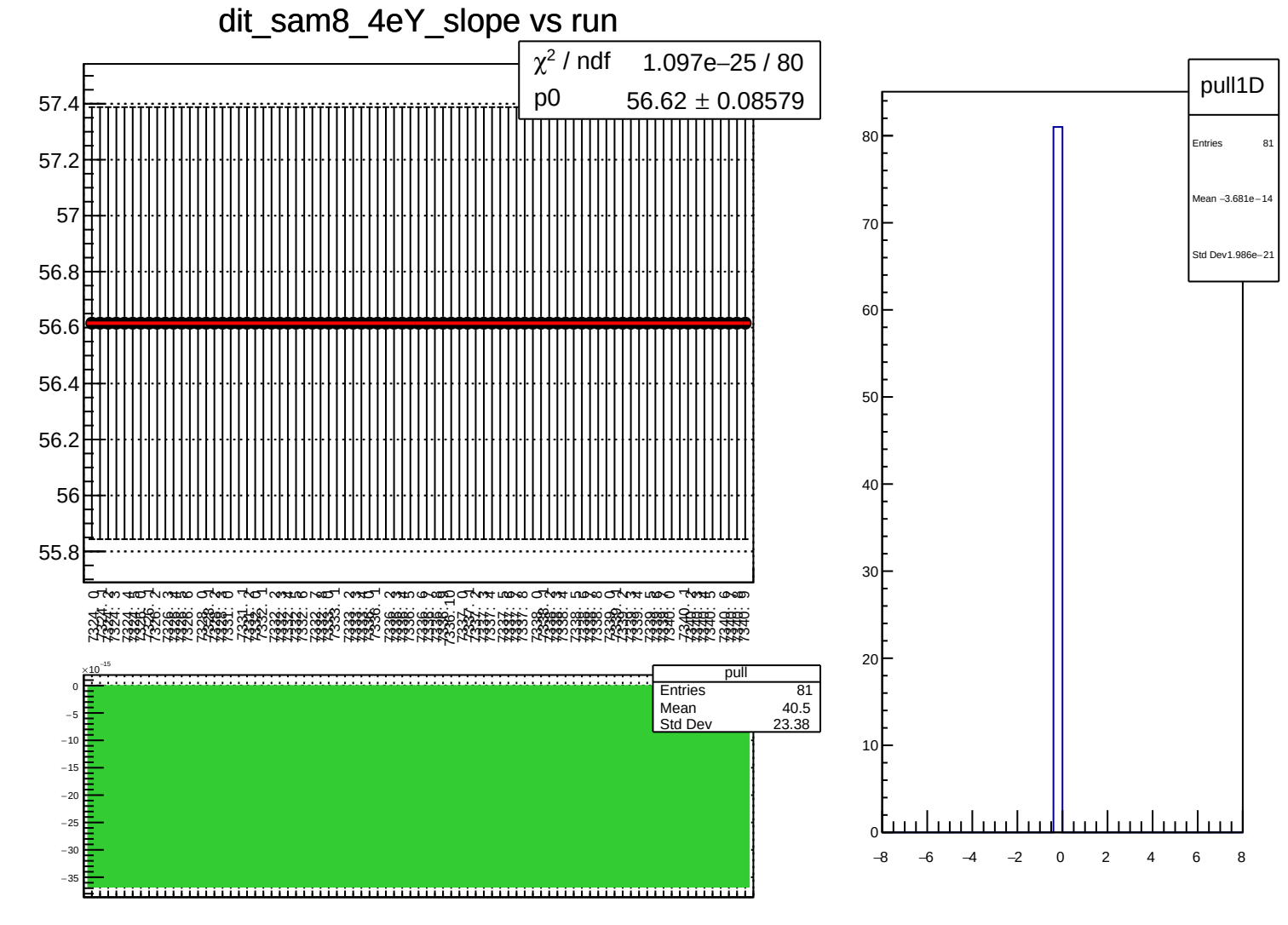

dit_sam7_4eY_slope vs run
χ² / ndf 2.079e−25 / 80
p0 −12.07 ± 0.03117
−11.8
−11.9
−12
−12.1
−12.2
−12.3
−12.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 5.066e−14
Std Dev 8.47e−22

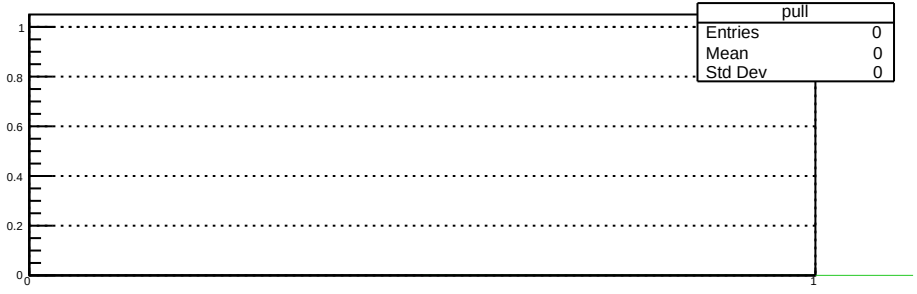

dit_sam8_4aX_slope vs run
χ² / ndf 1.142e−25 / 80
p0 29.11 ± 0.09462
30
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 81
Mean −3.755e−14
Std Dev1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

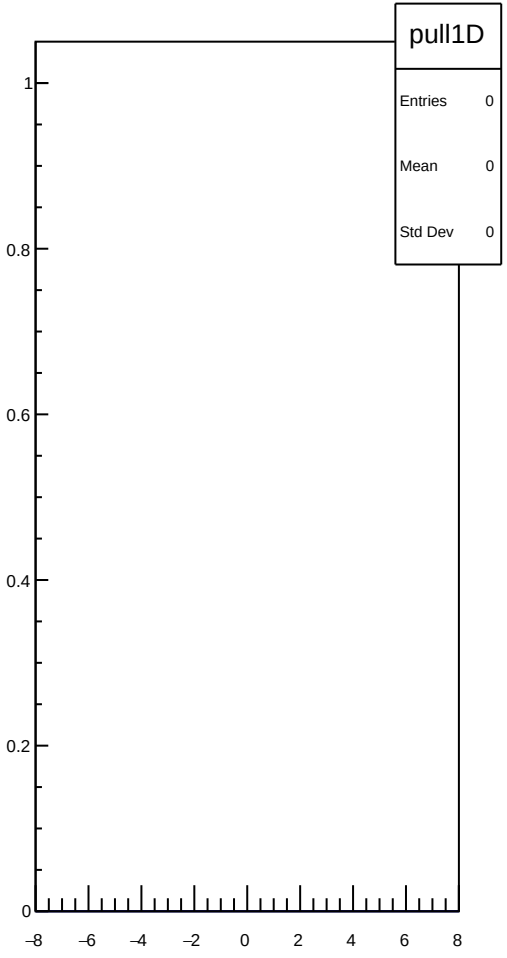

dit_sam8_4eX_slope vs run
χ² / ndf 8.034e−25 / 80
p0 −60.4 ± 0.09513
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 9.959e−14
Std Dev4.319e−21

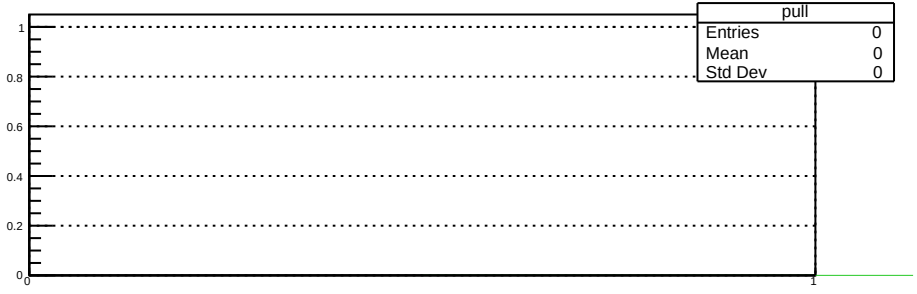

dit_sam8_11X12X_slope vs run
χ^2 / ndf 5.156e−27 / 80
p0 0.3405 ± 0.003092
0.37
0.36
0.35
0.34
0.33
0.32
0.31
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
pull1D
Entries 81
Mean −7.978e−15
Std Dev4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

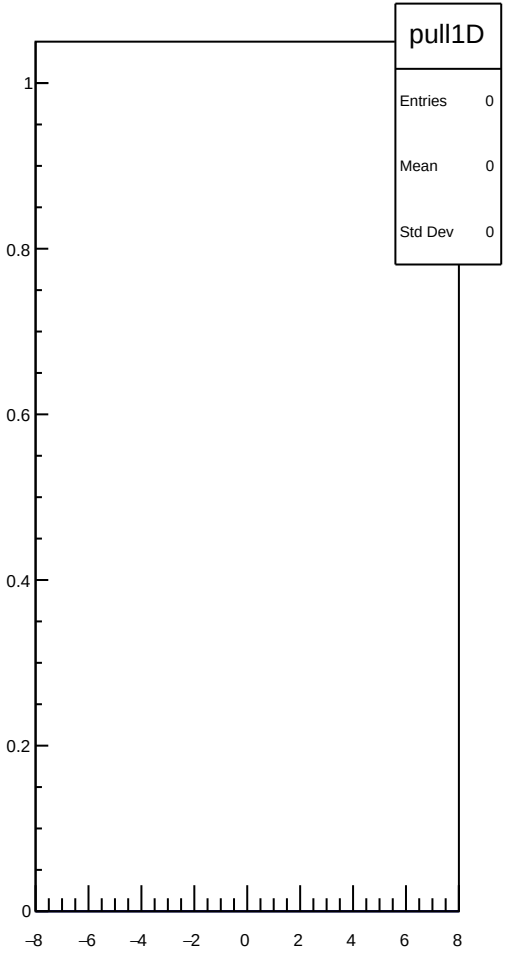

dit_sam8_4aY_slope vs run
χ^2 / ndf 1.898e−23 / 80
p0 −48.83 ± 0.01142
−48.75
−48.8
−48.85
−48.9
−48.95
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 81
Mean −4.841e−13
Std Dev1.515e−20
80
70
60
50
40
30
20
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−4
−2
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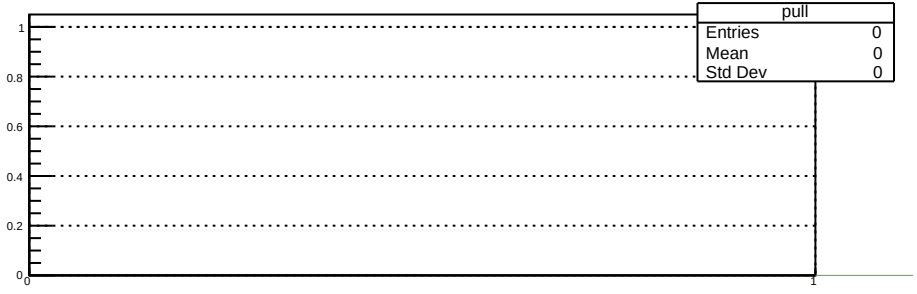

dit_sam8_4eY_slope vs run
χ² / ndf 1.097e−25 / 80
p0 56.62 ± 0.08579
57.4
57.2
57
56.8
56.6
56.4
56.2
56
55.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 81
Mean −3.681e−14
Std Dev1.986e−21
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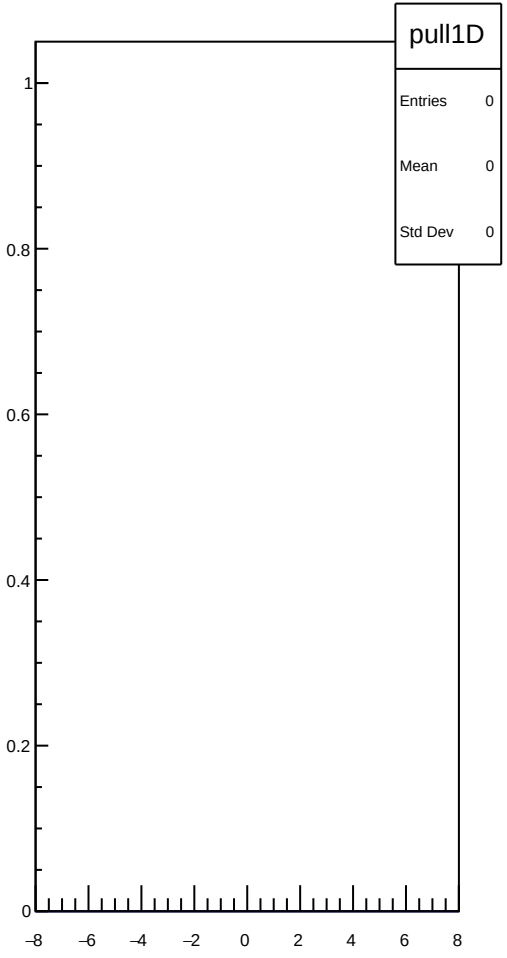

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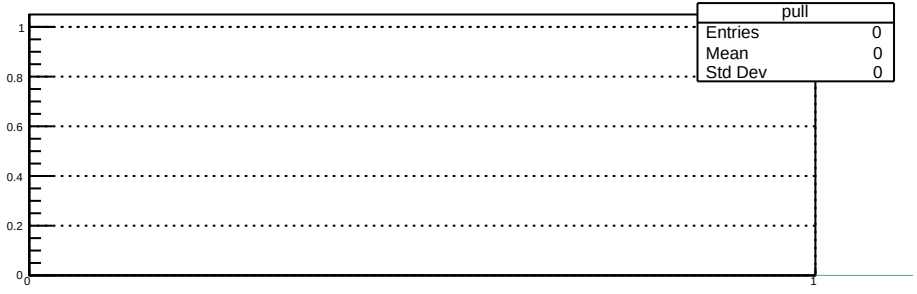

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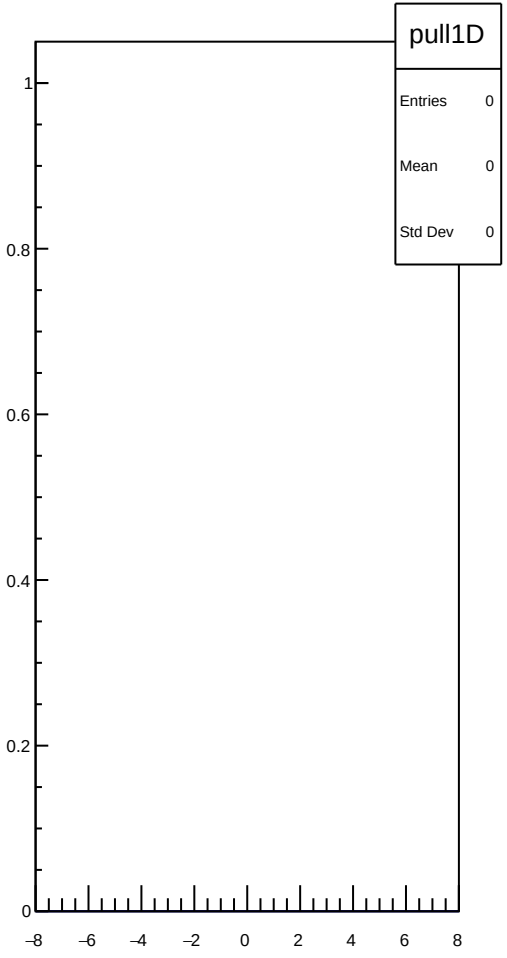

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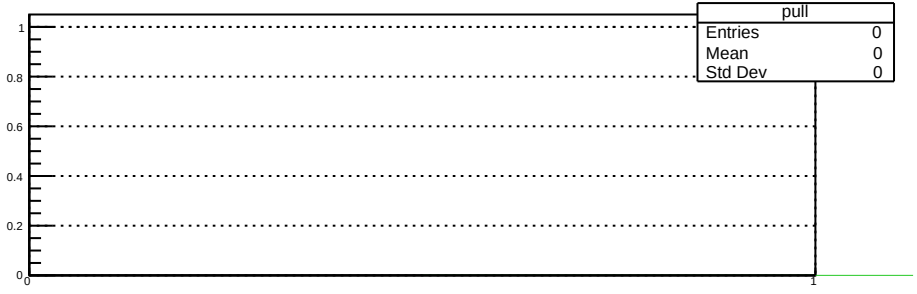

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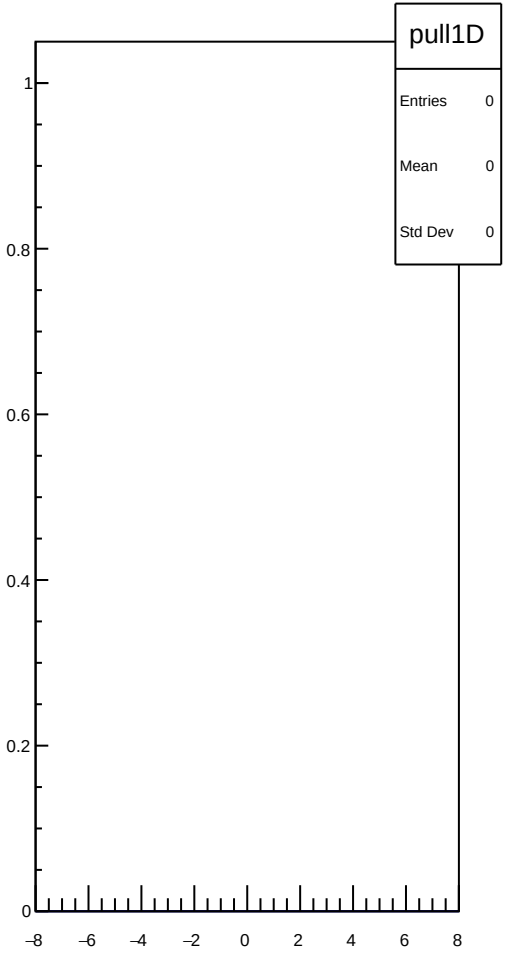

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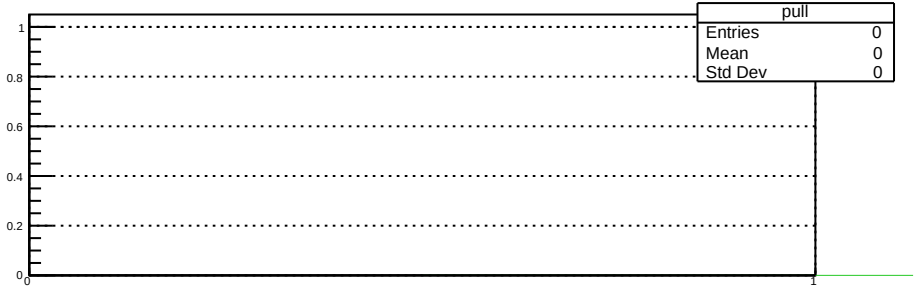

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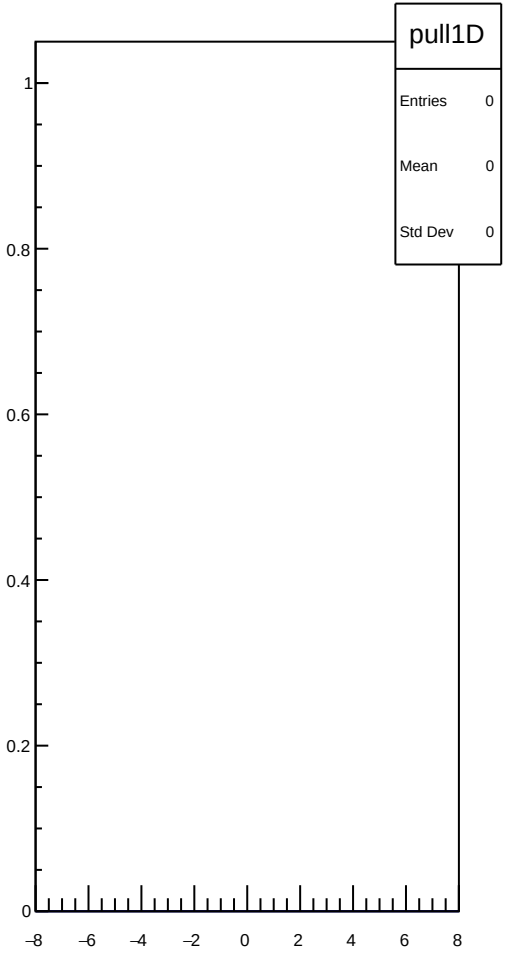

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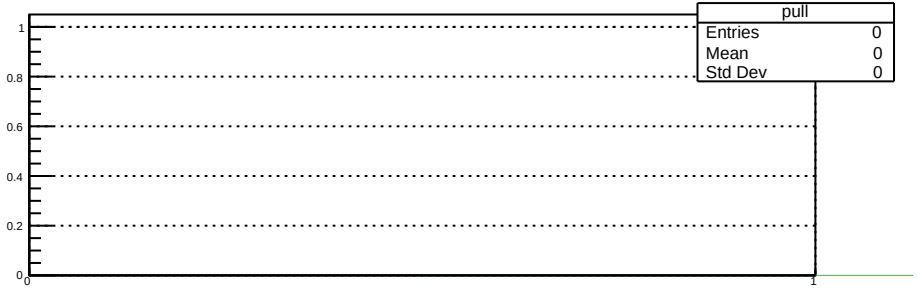

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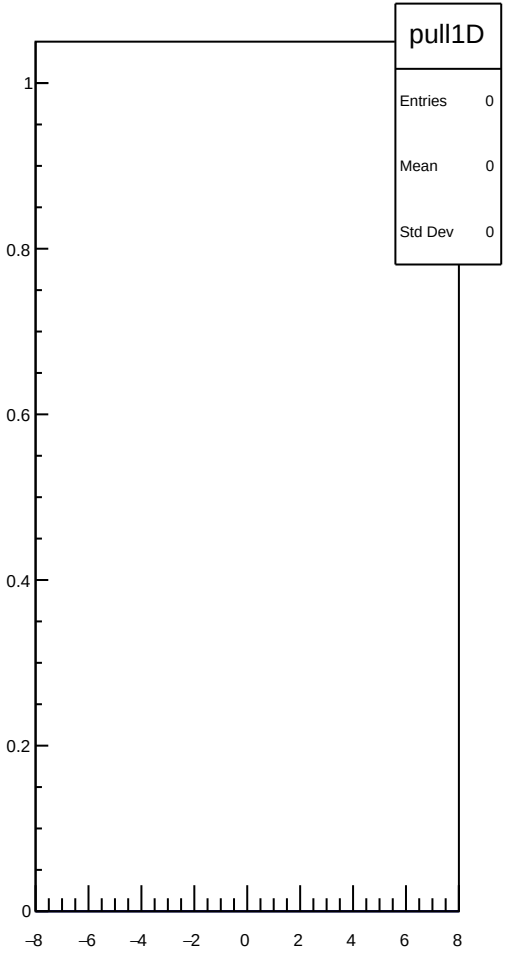

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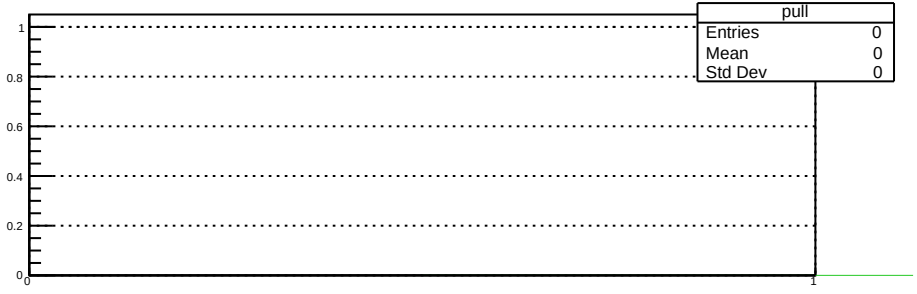

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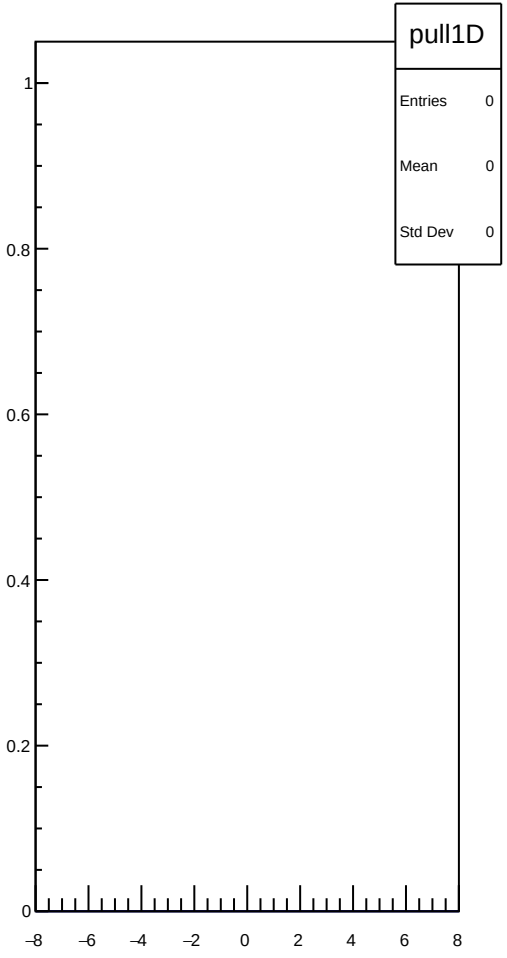

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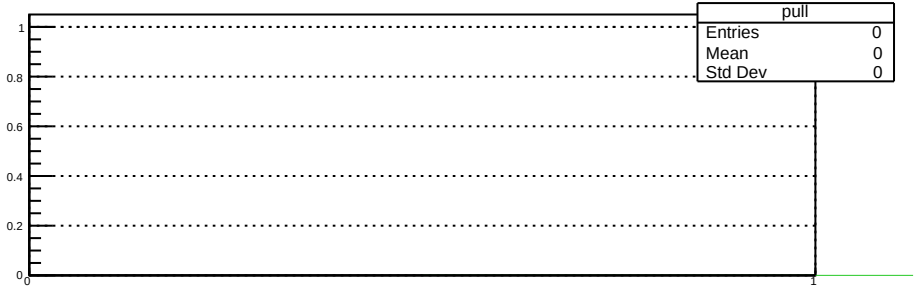

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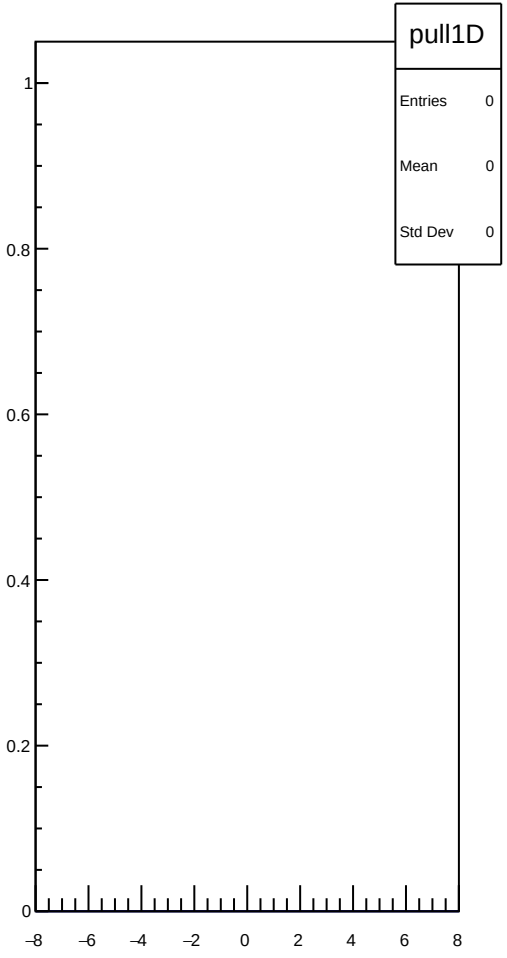

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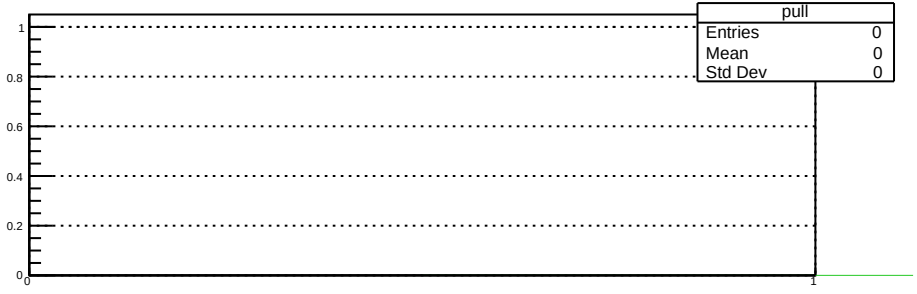

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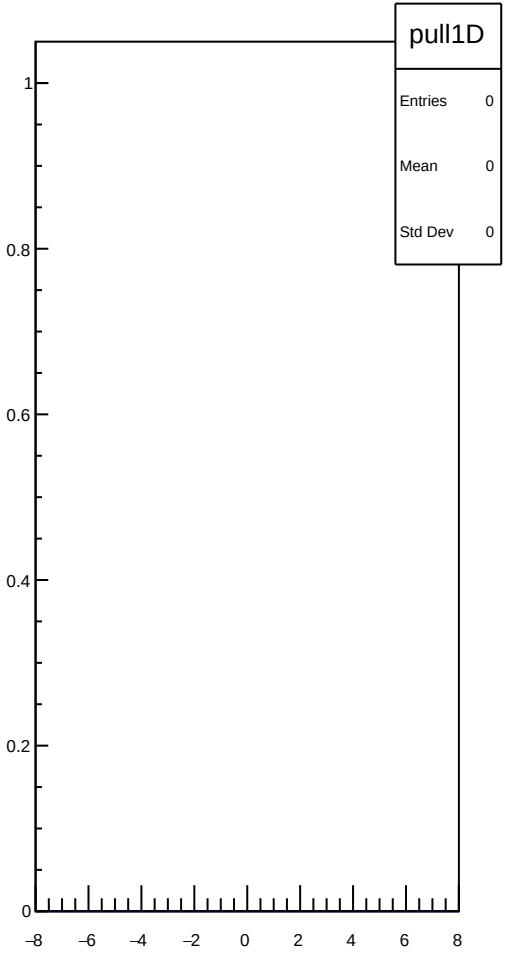

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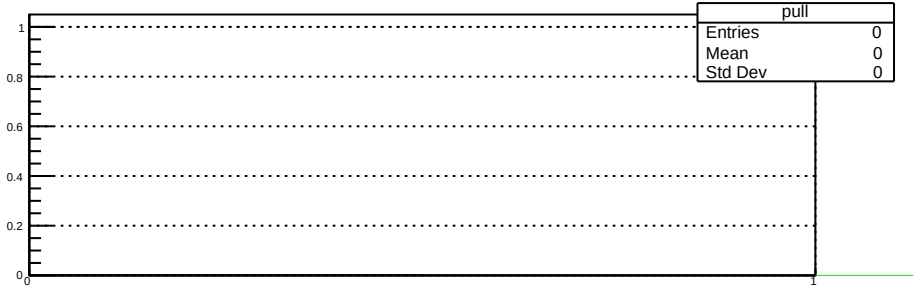

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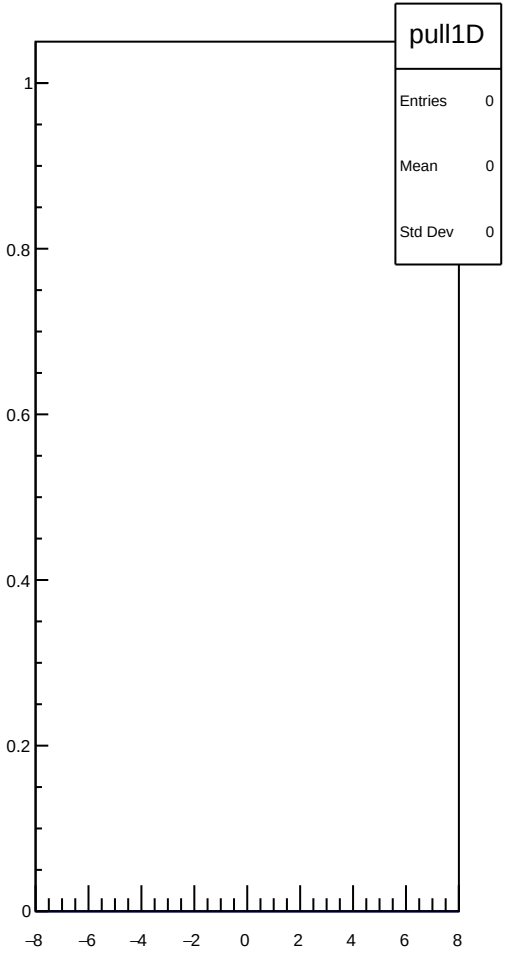

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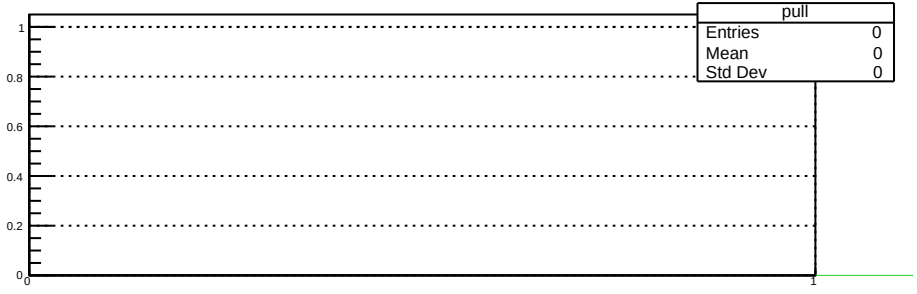

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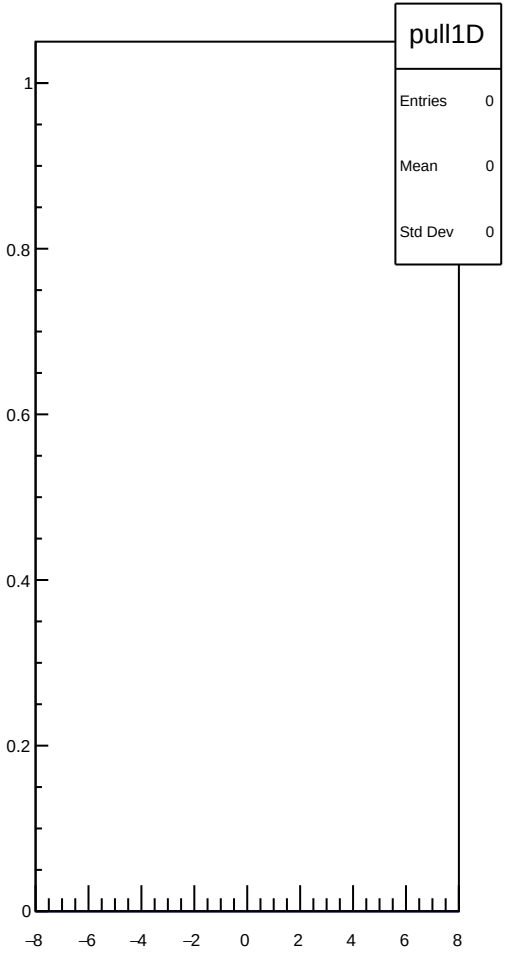

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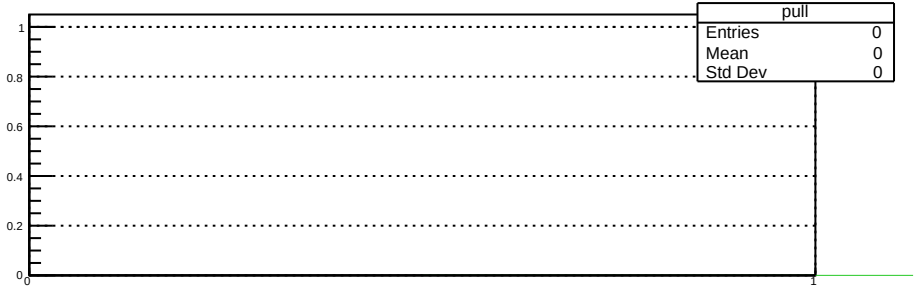

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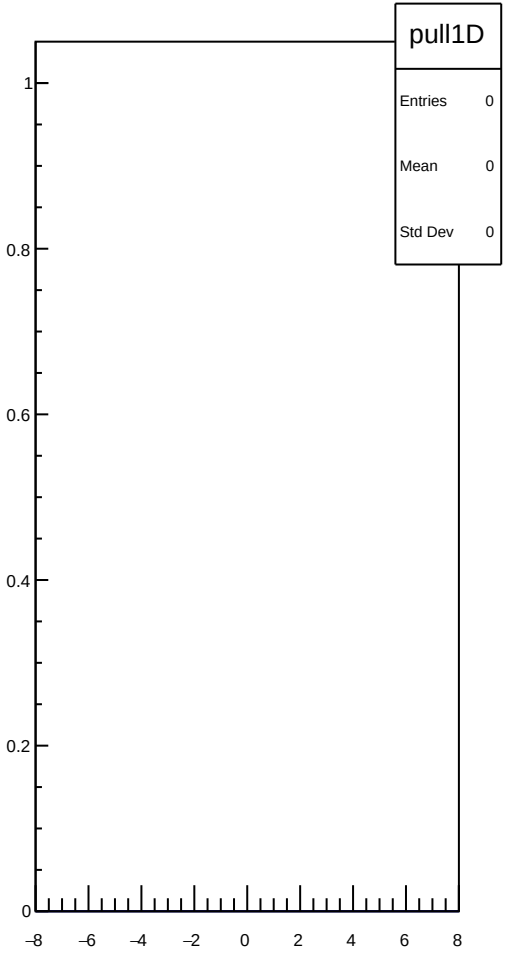

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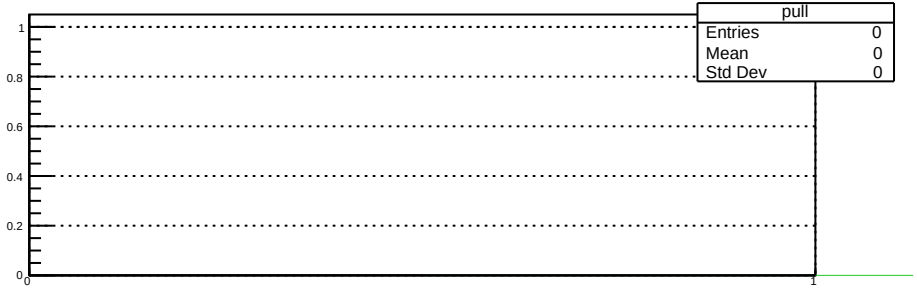

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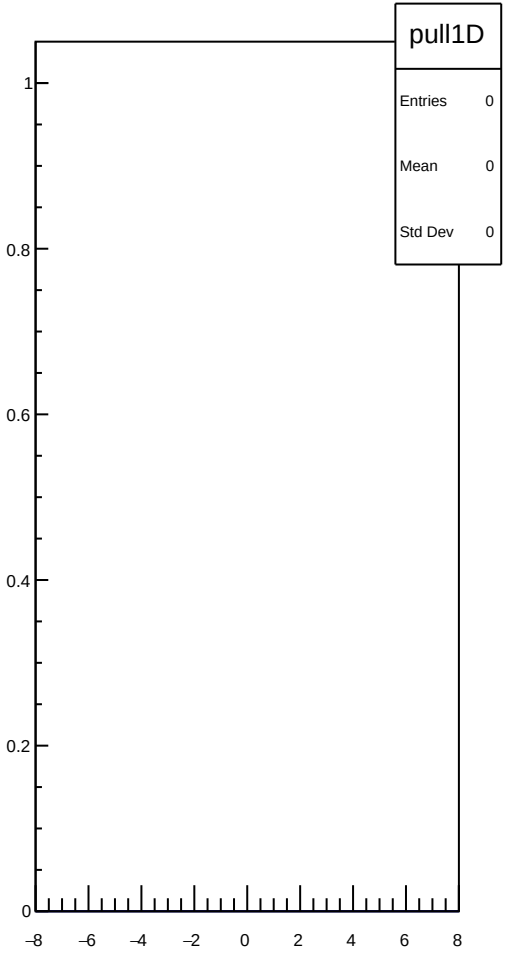

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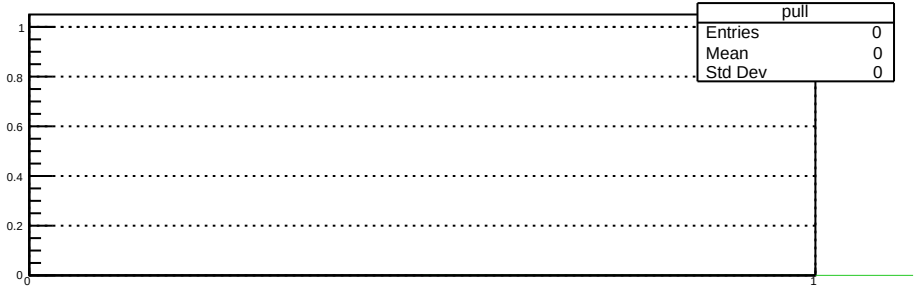

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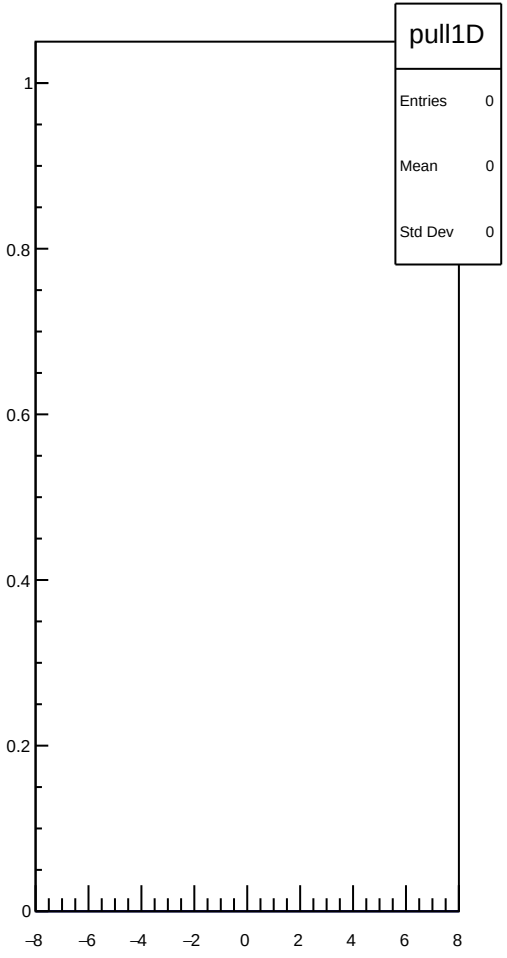

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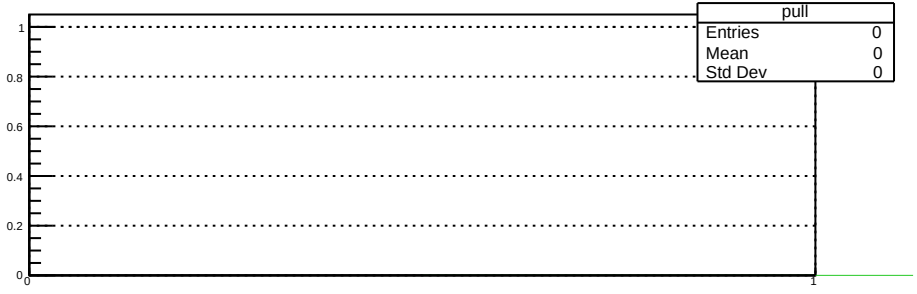

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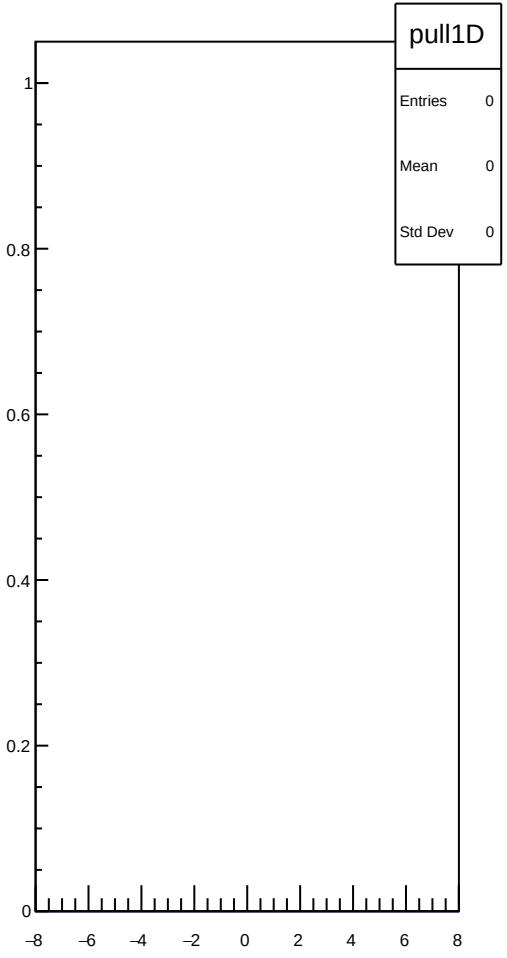

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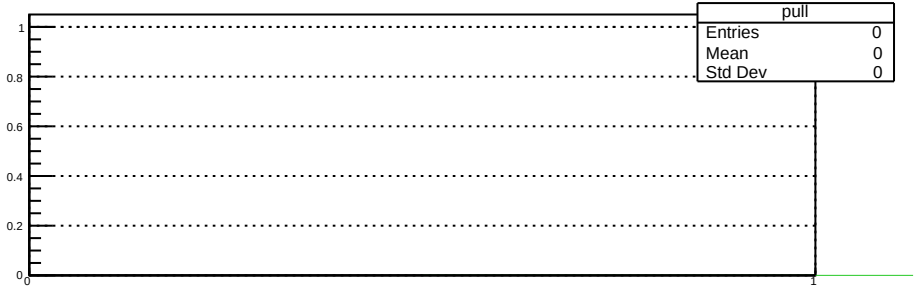

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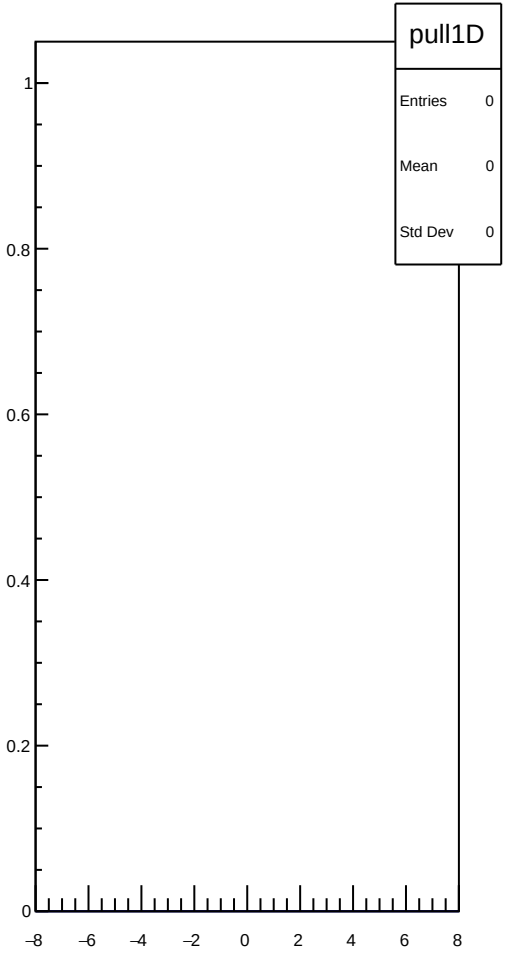

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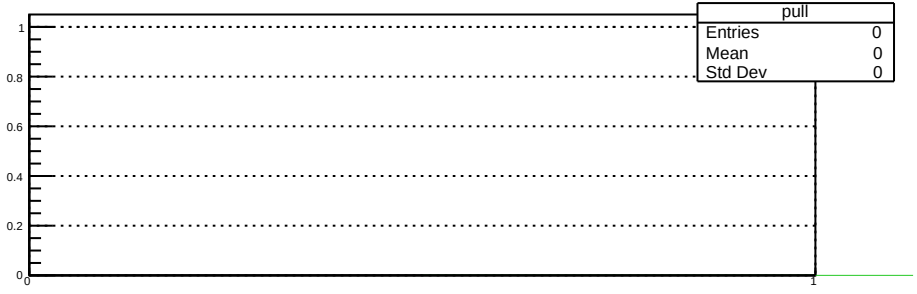

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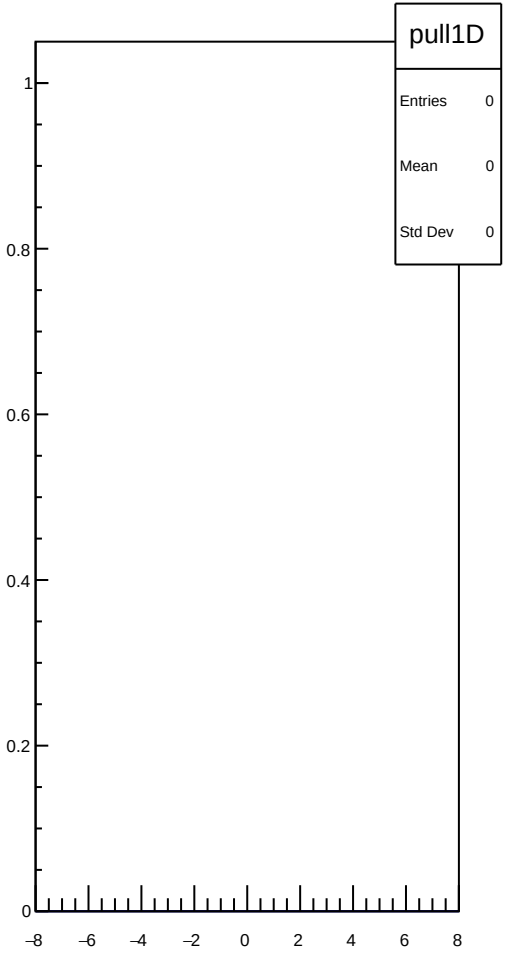

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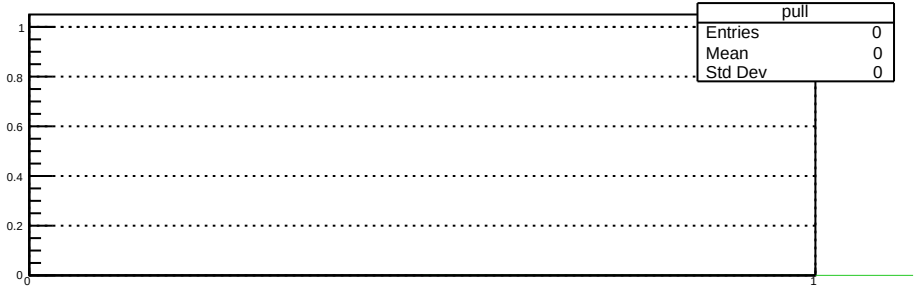

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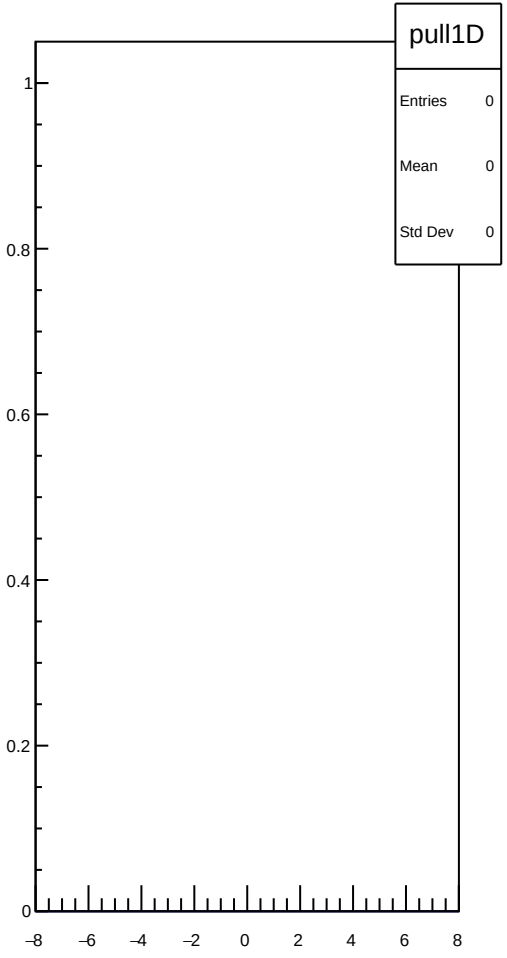

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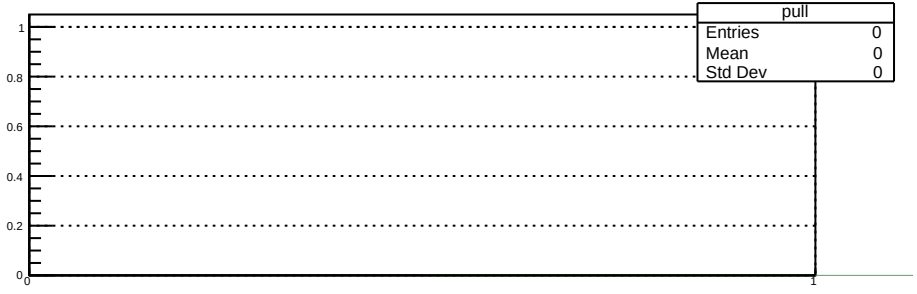

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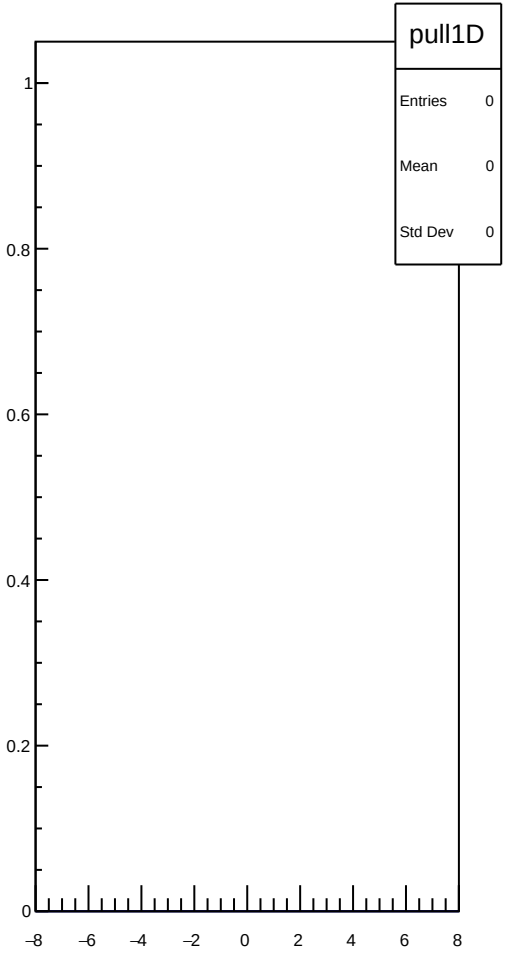

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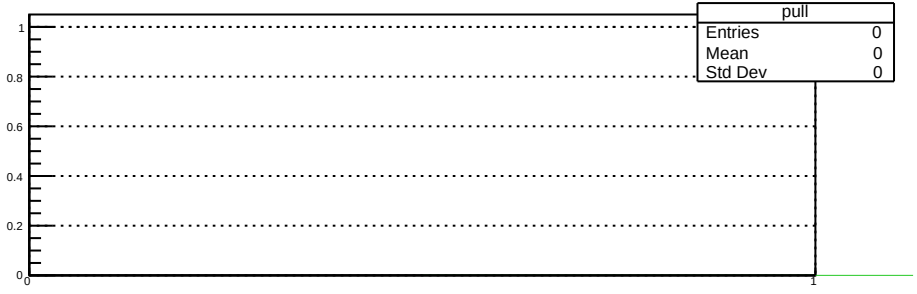

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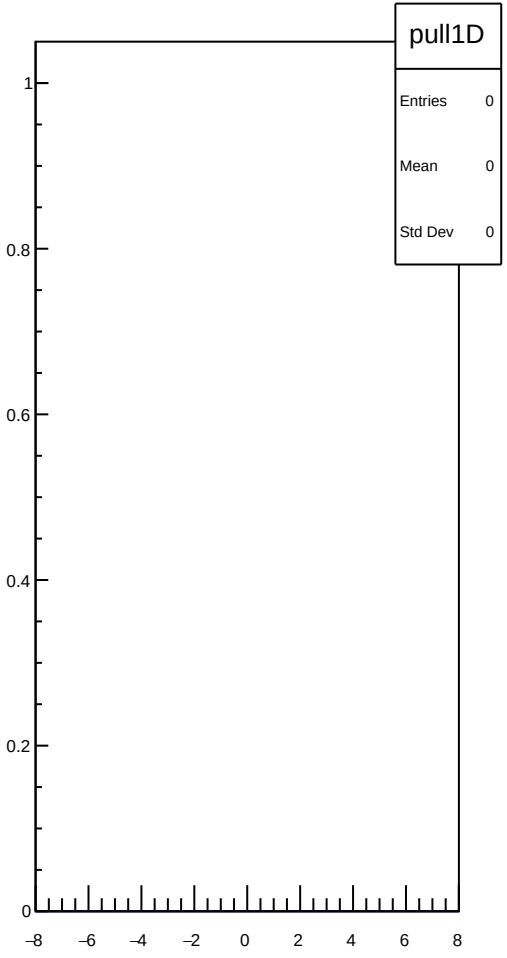

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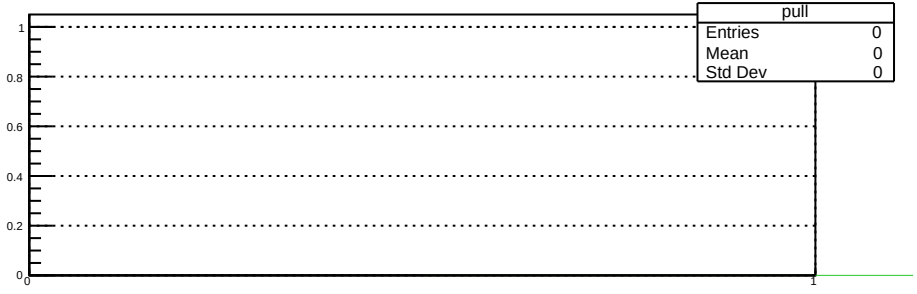

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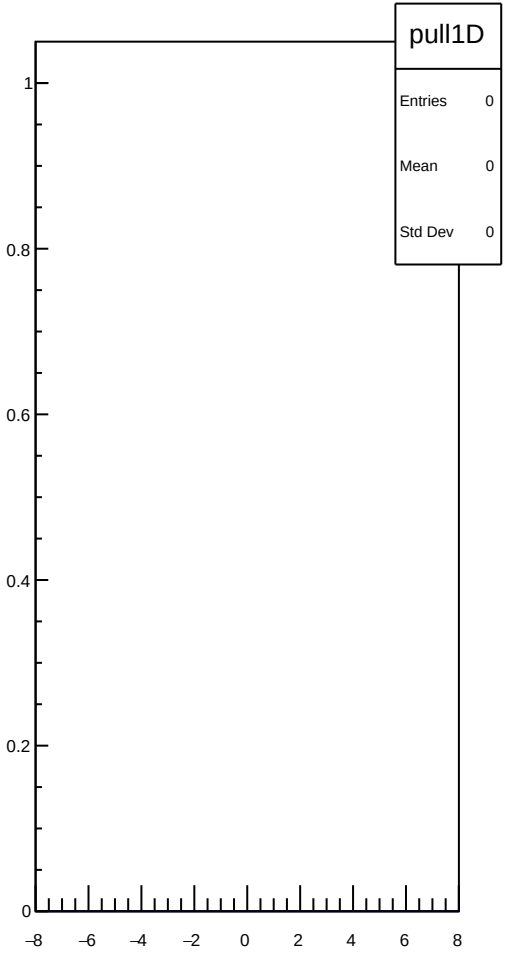

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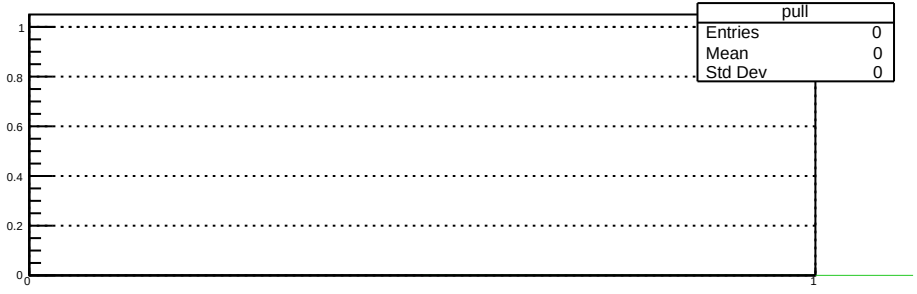

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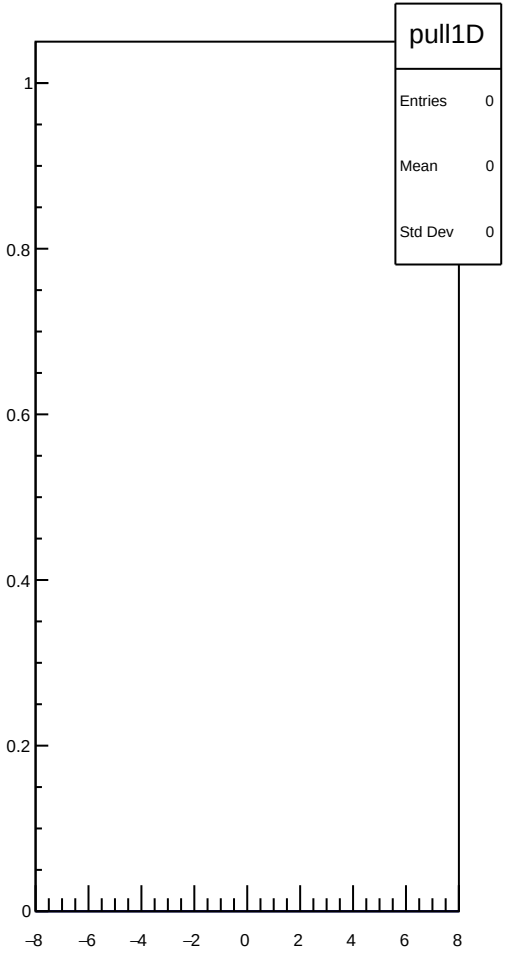

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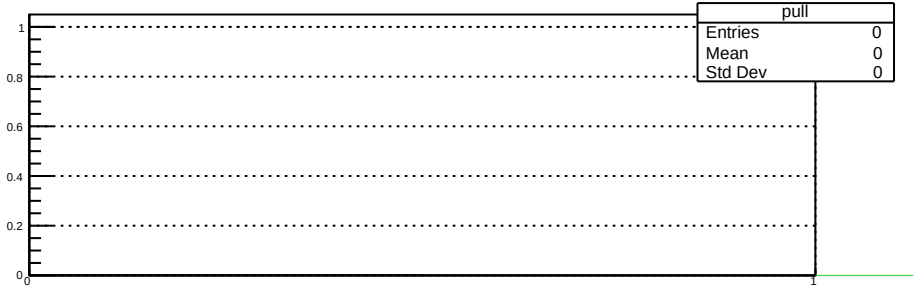

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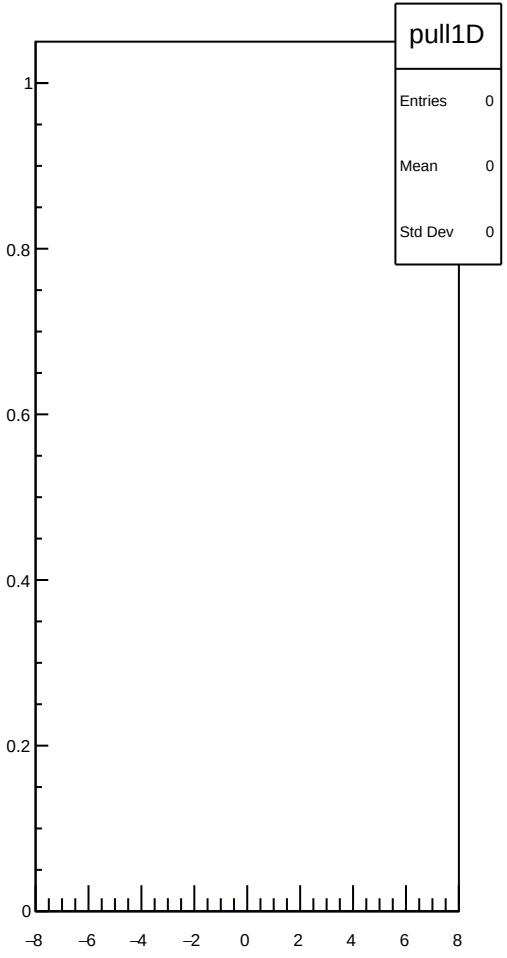

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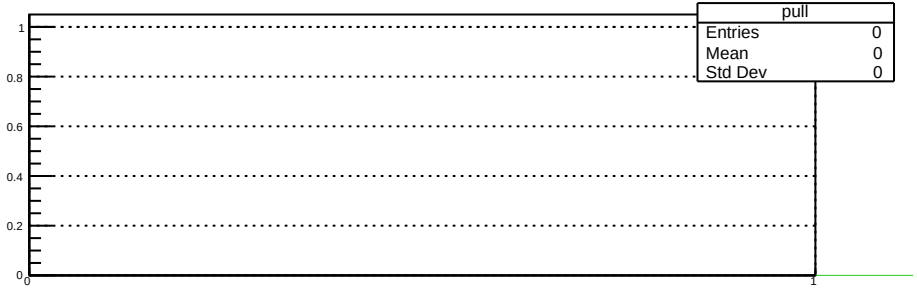

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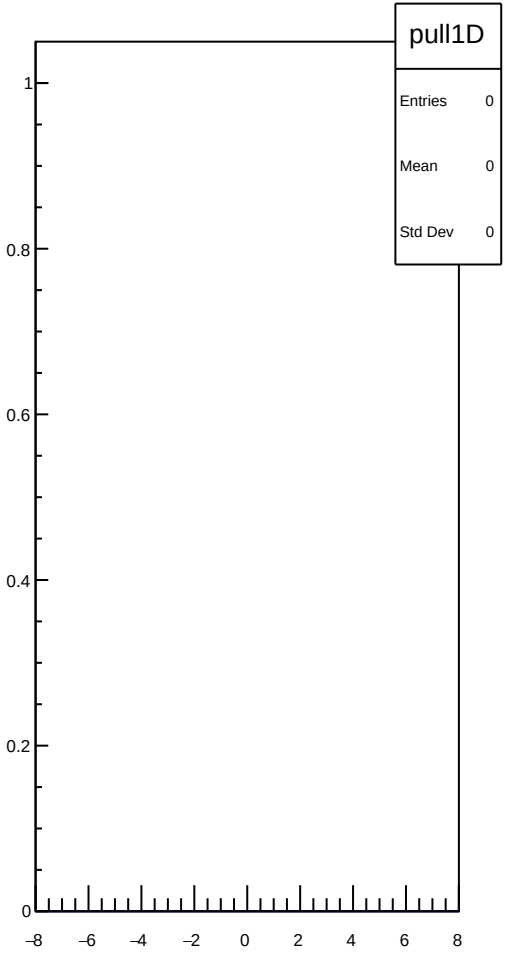

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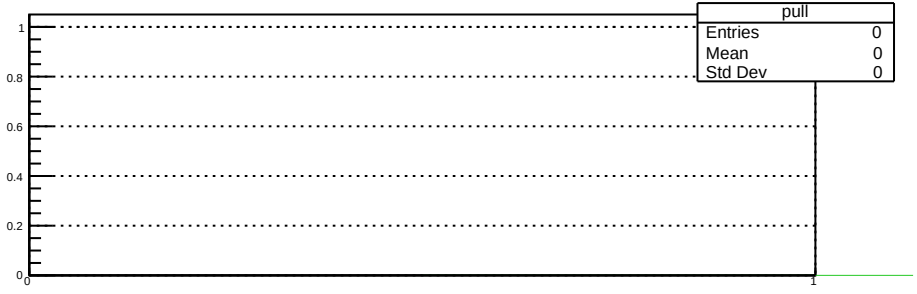

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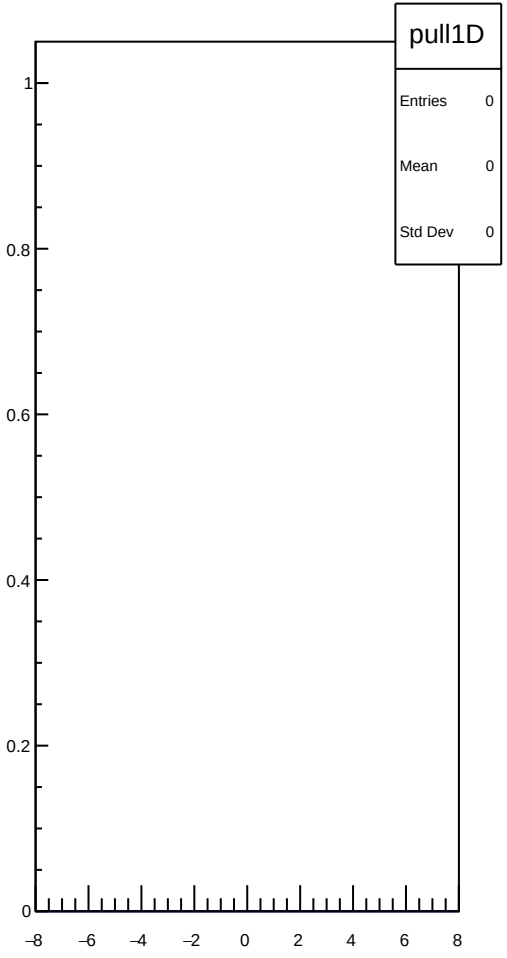

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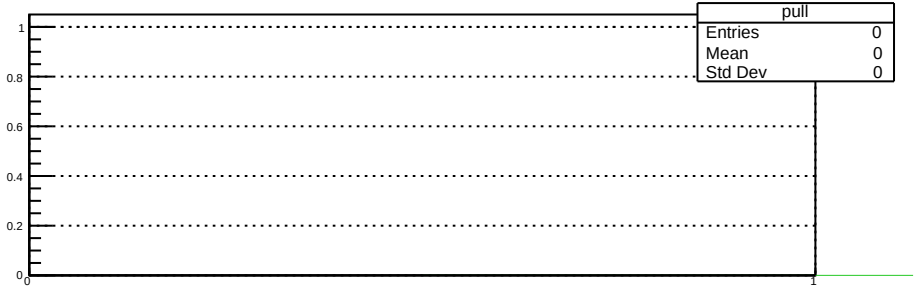

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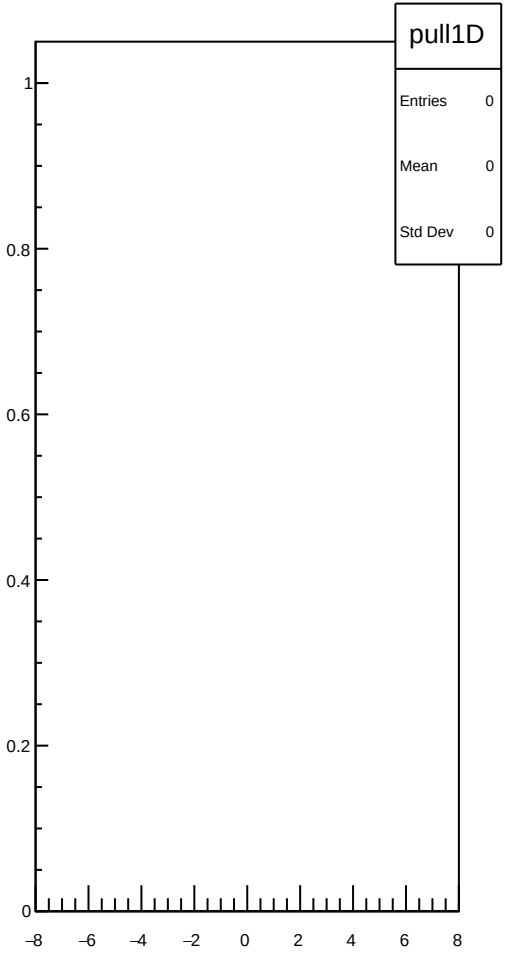

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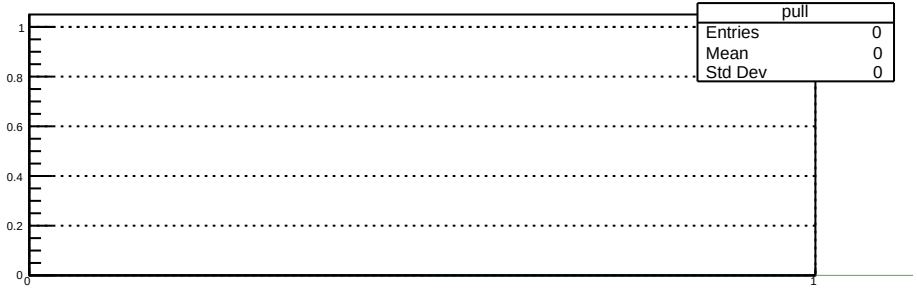

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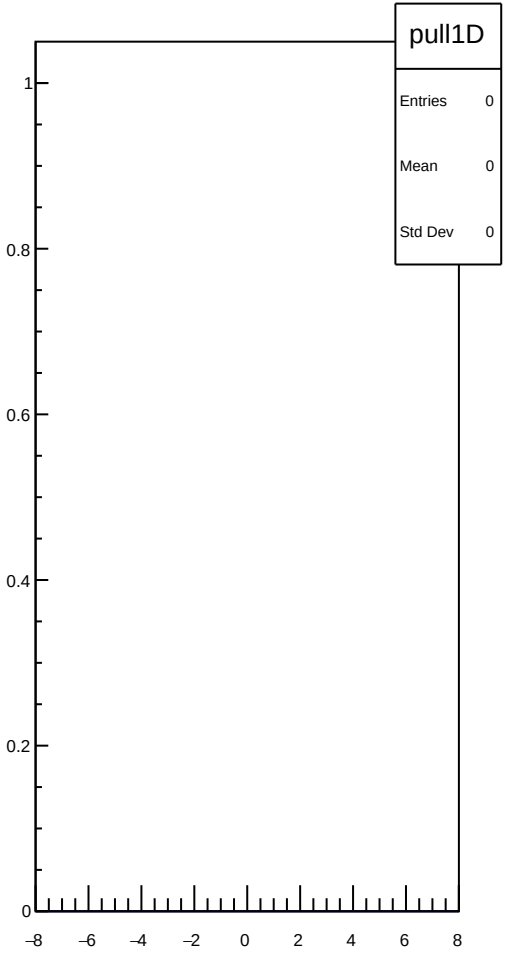

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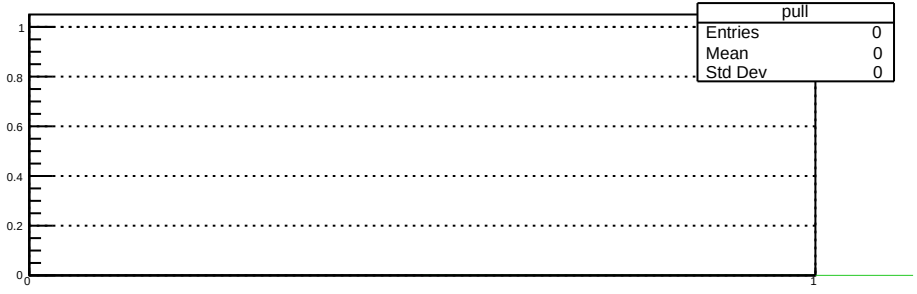

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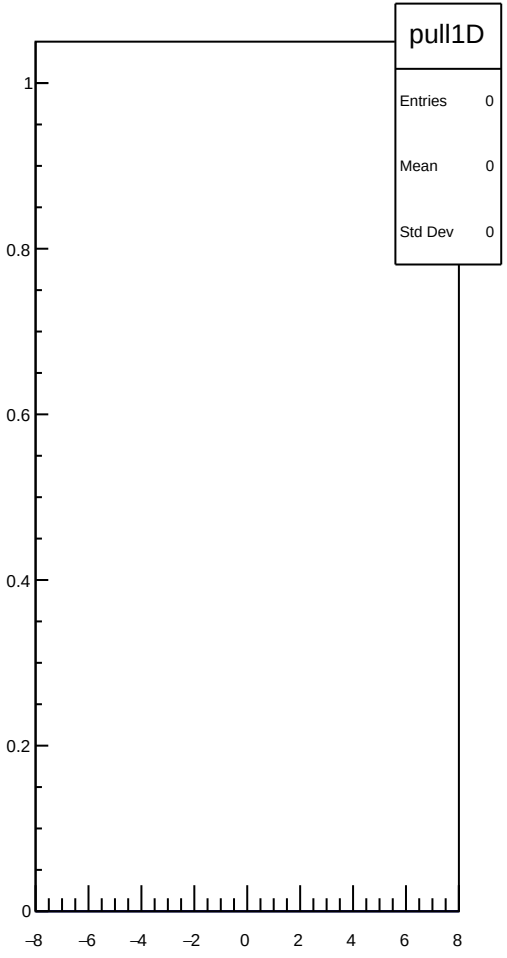

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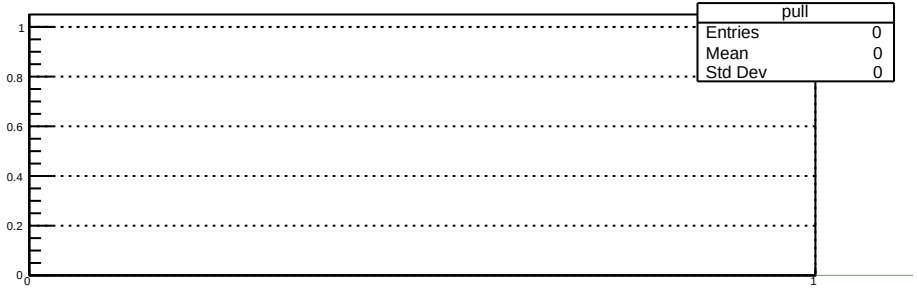

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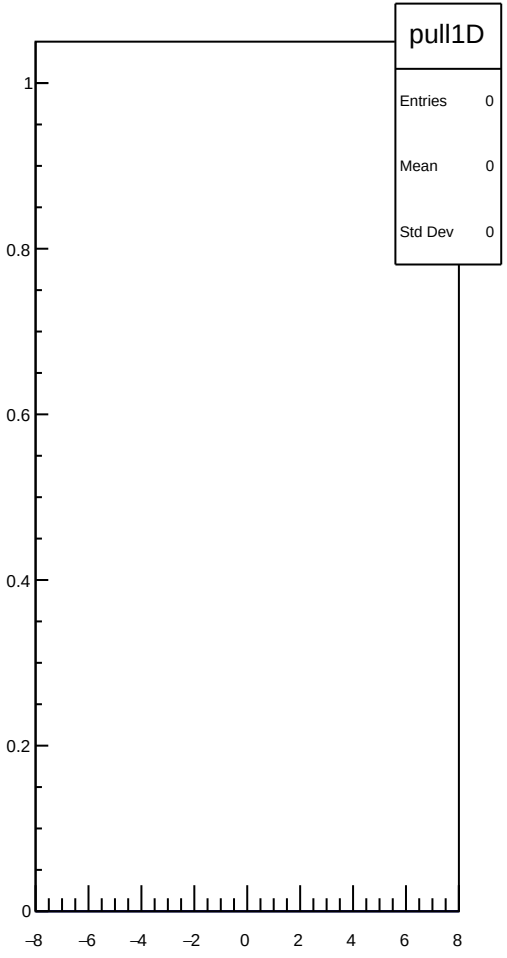

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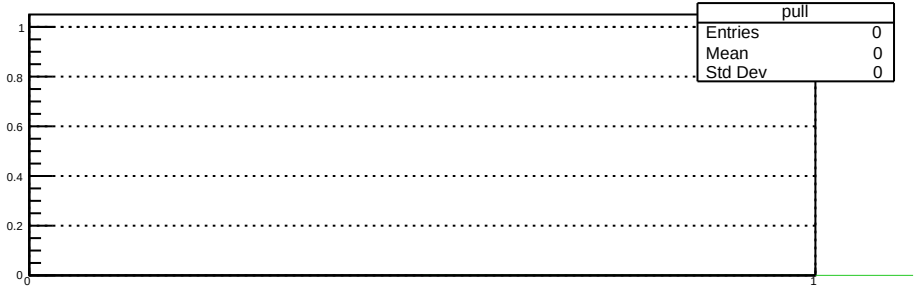

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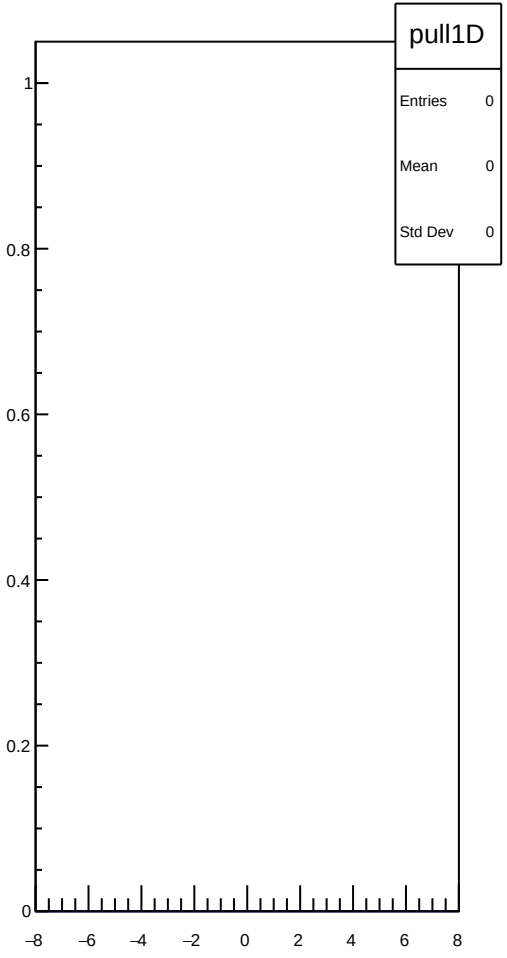

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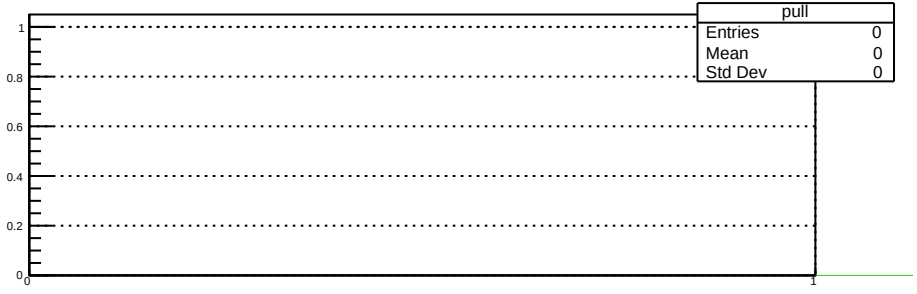

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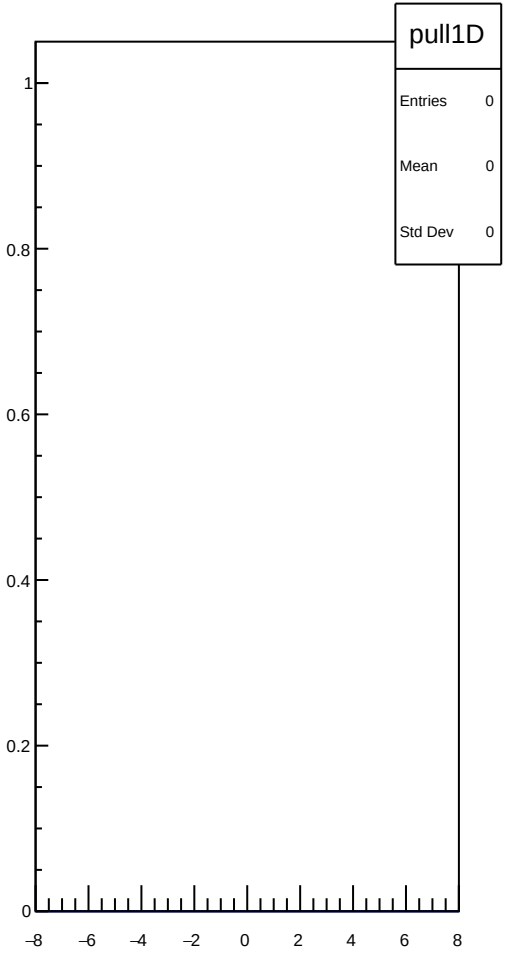

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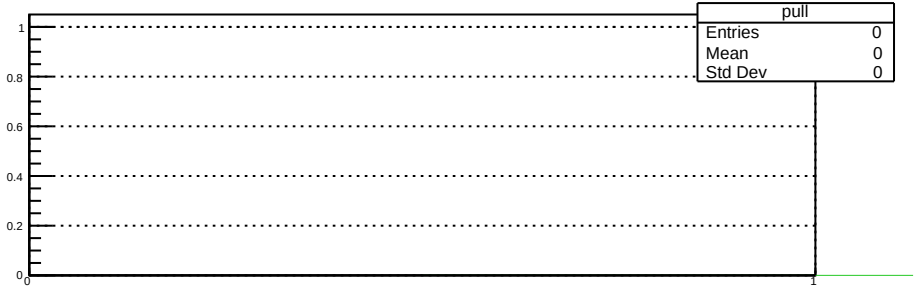

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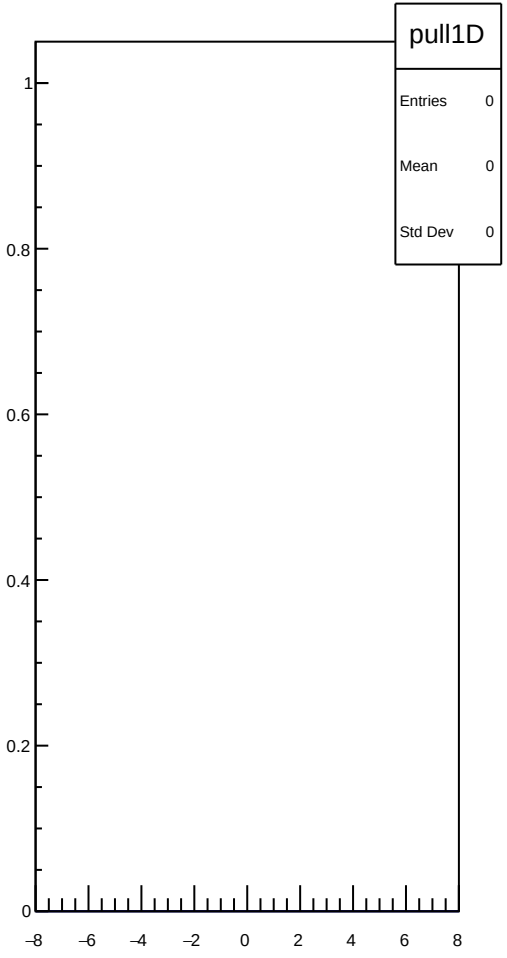

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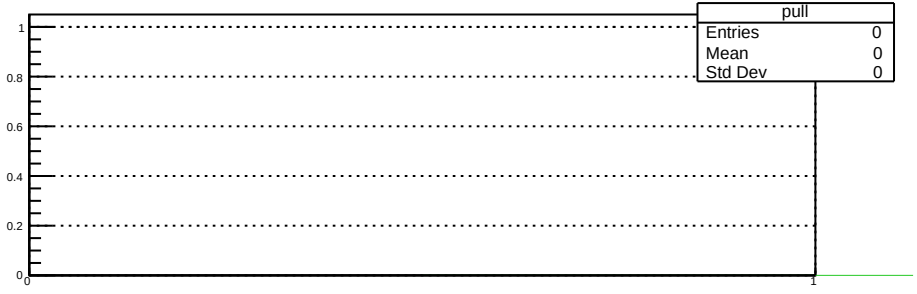

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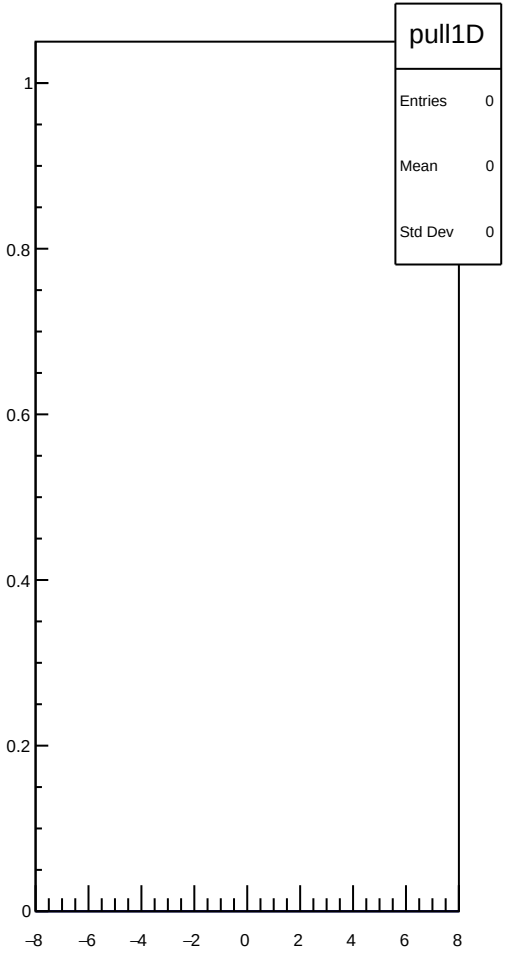

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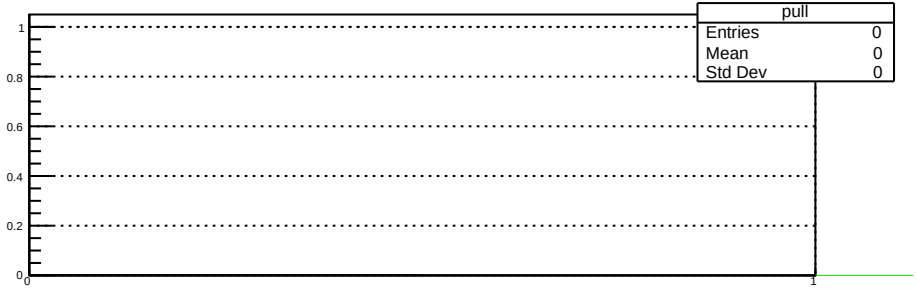

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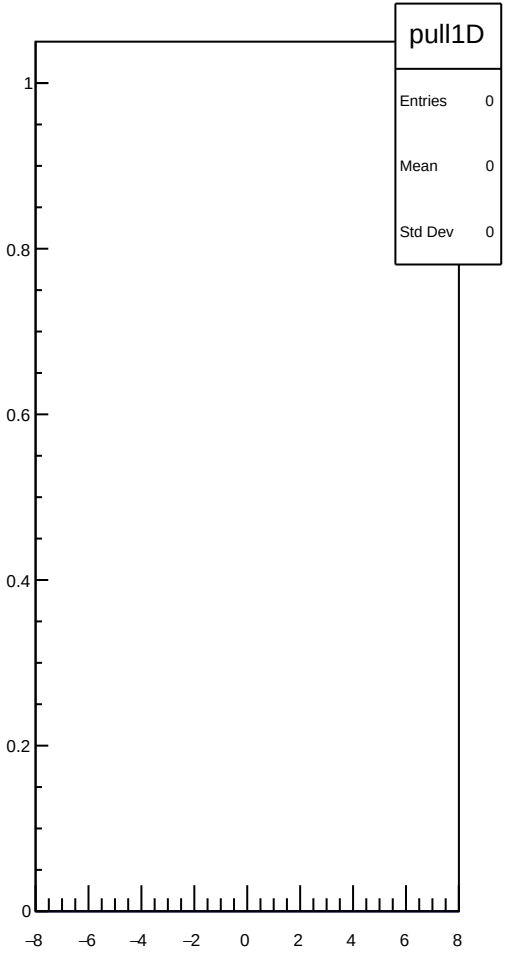

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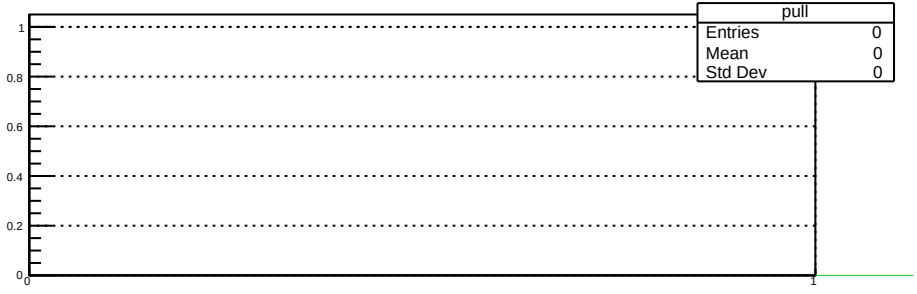

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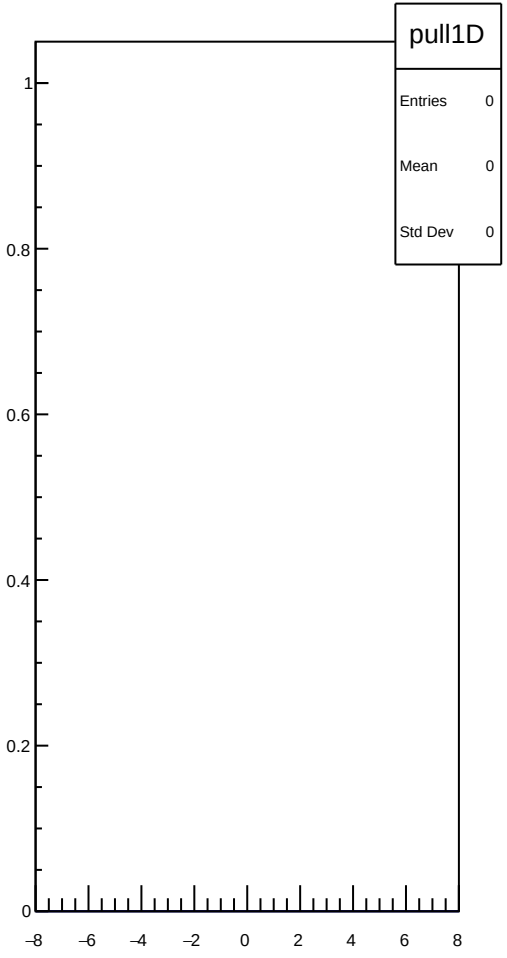

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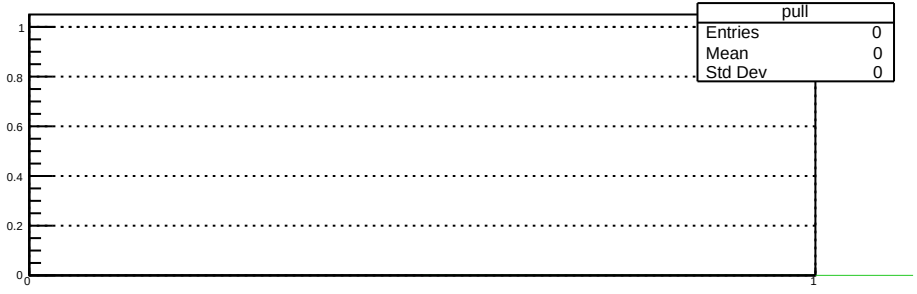

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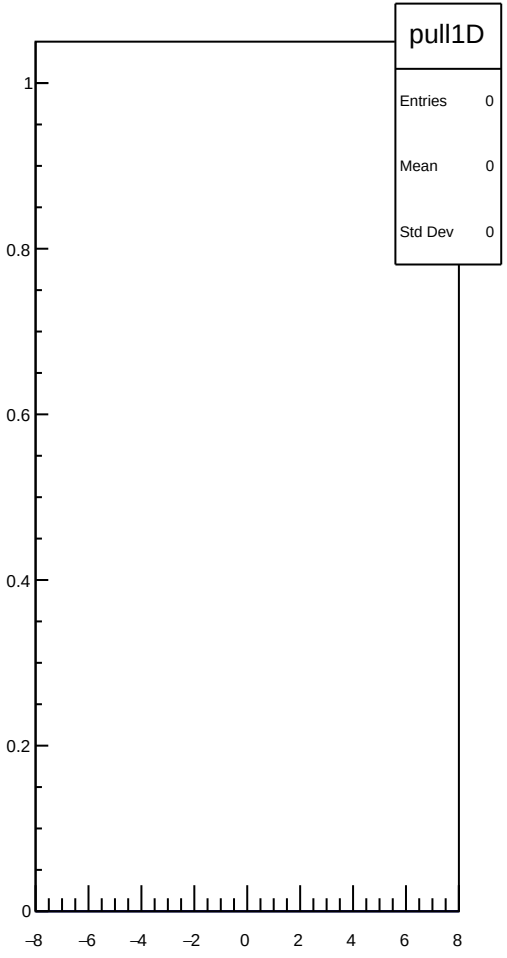

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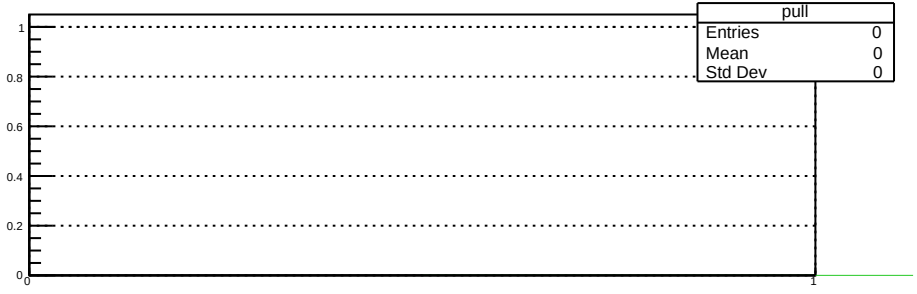

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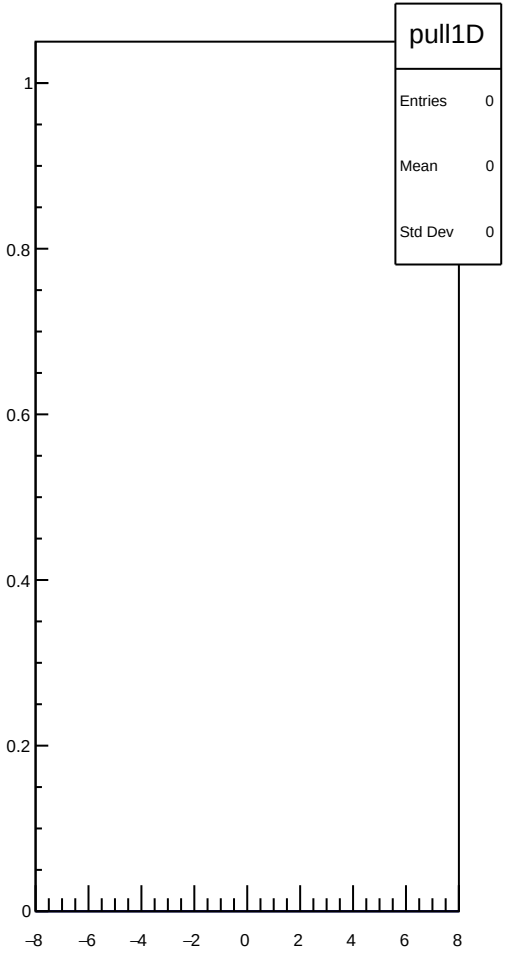

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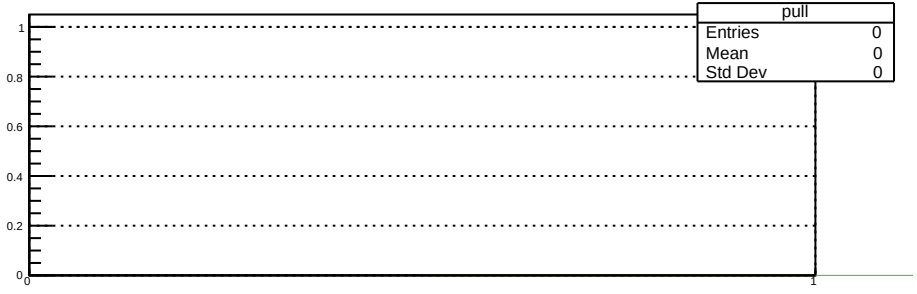

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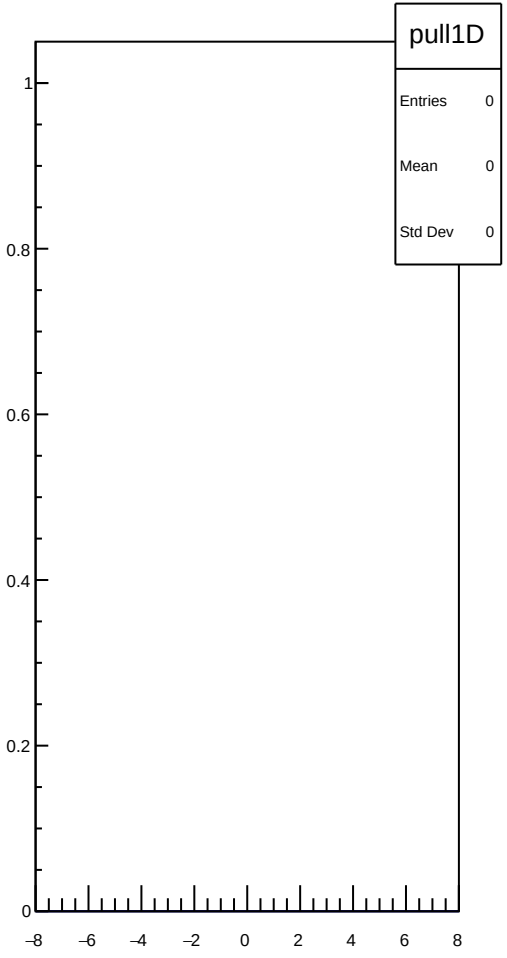

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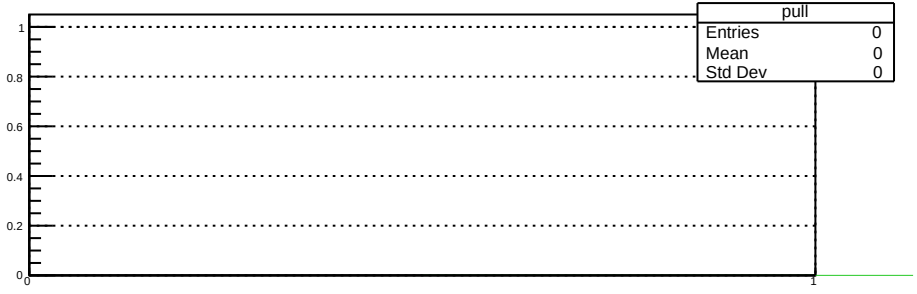

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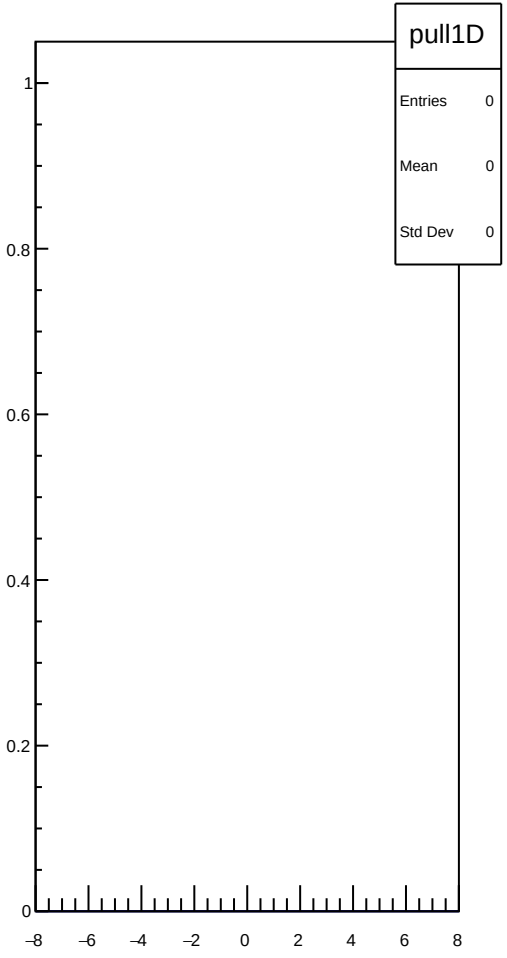

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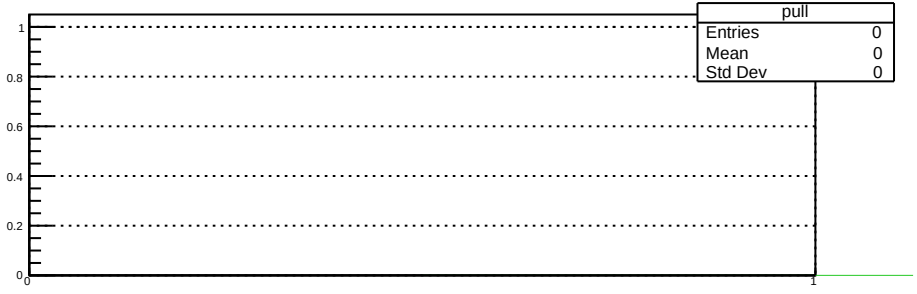

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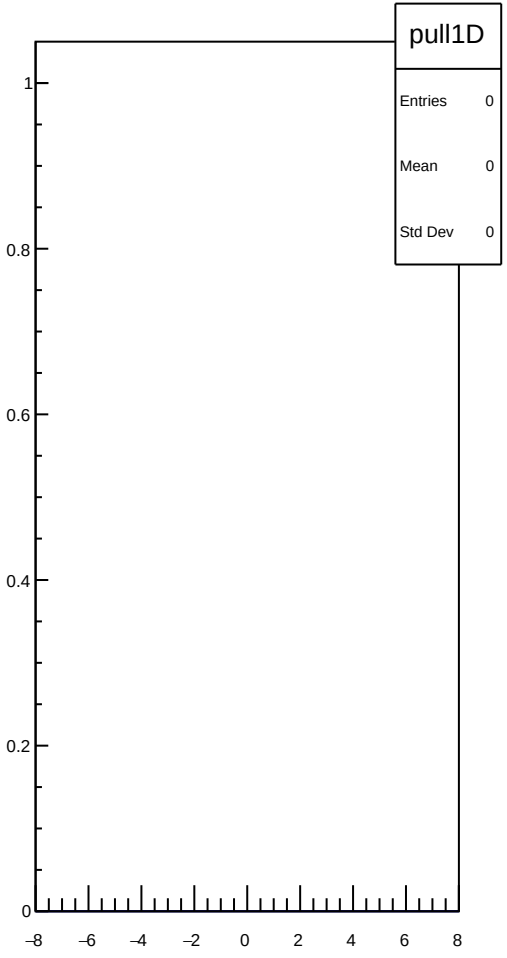

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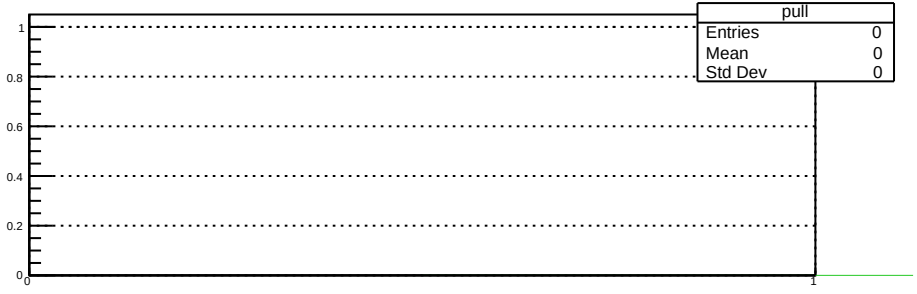

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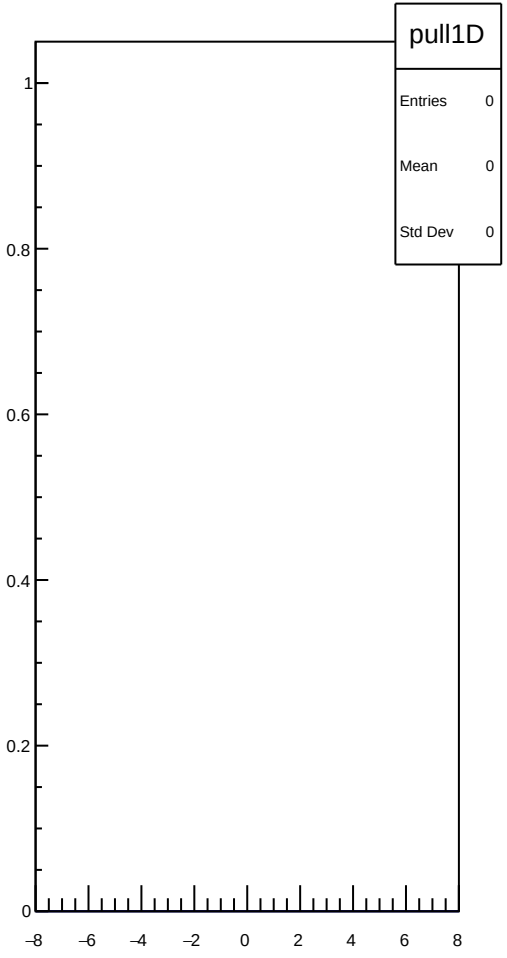

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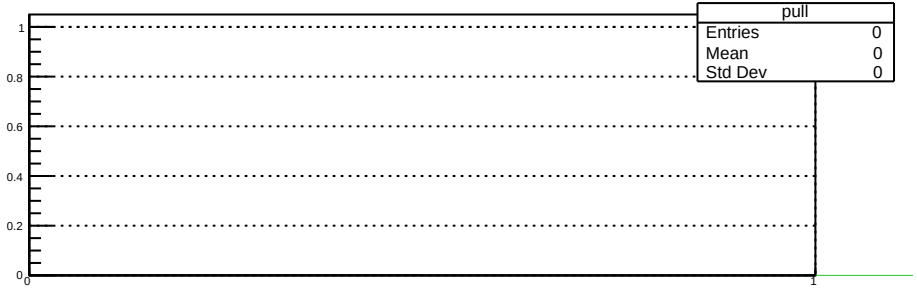

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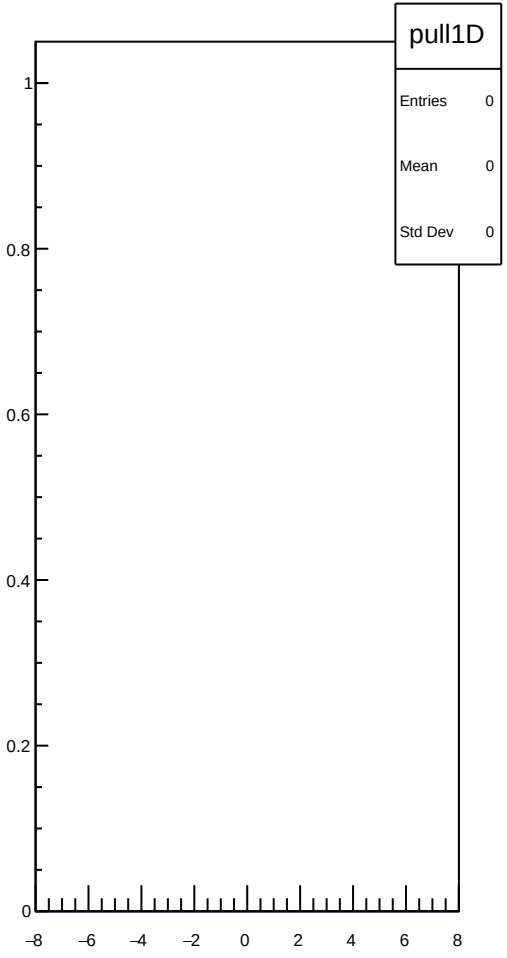

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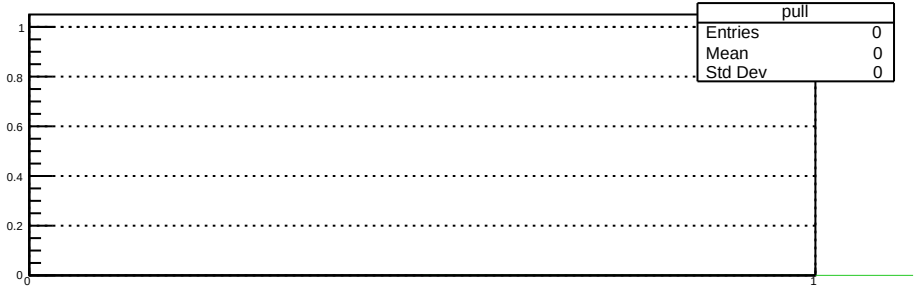

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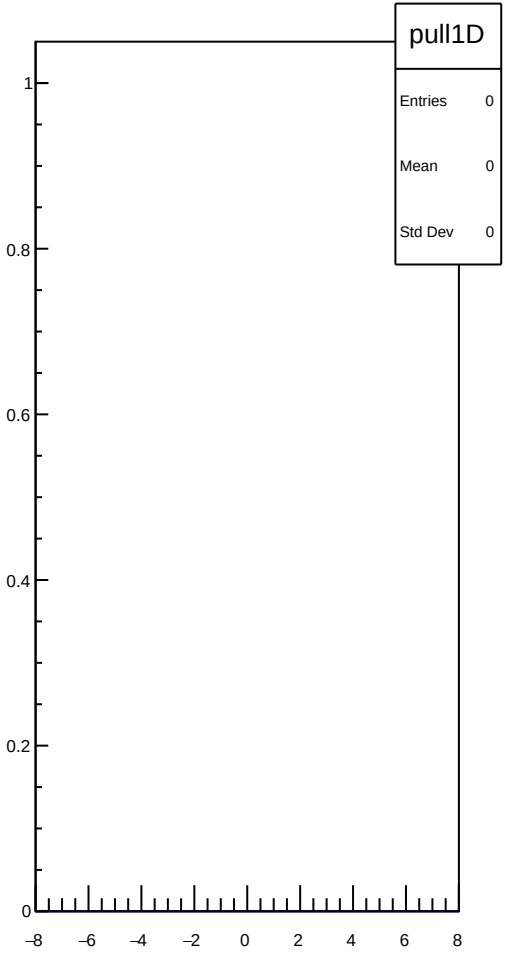

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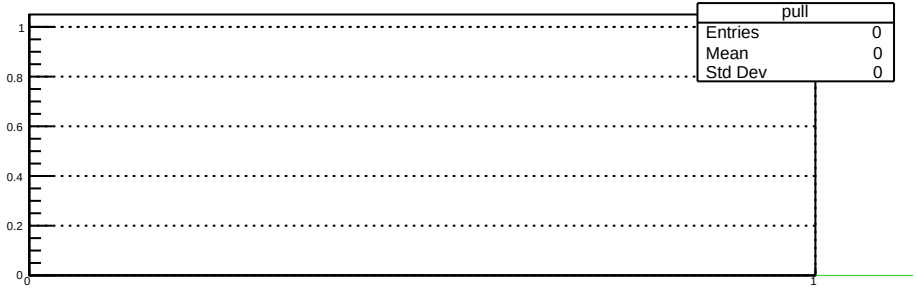

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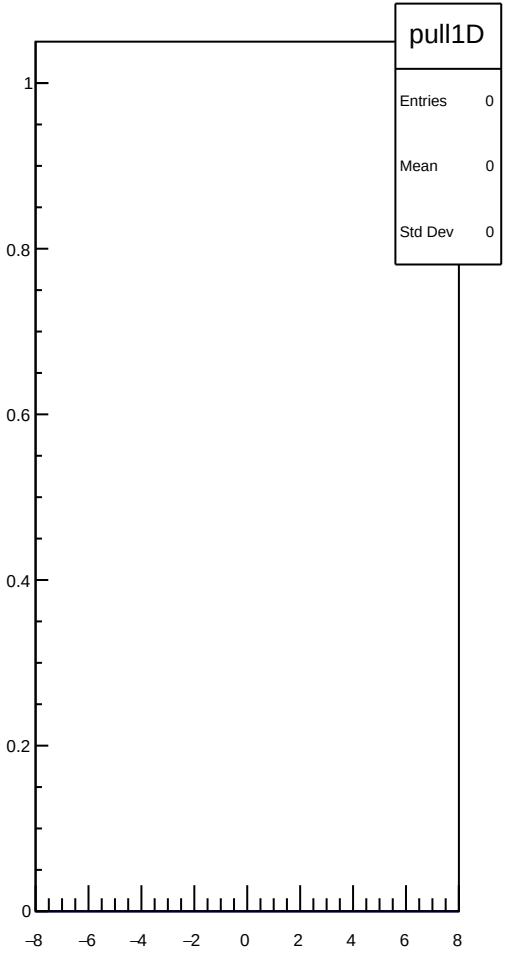

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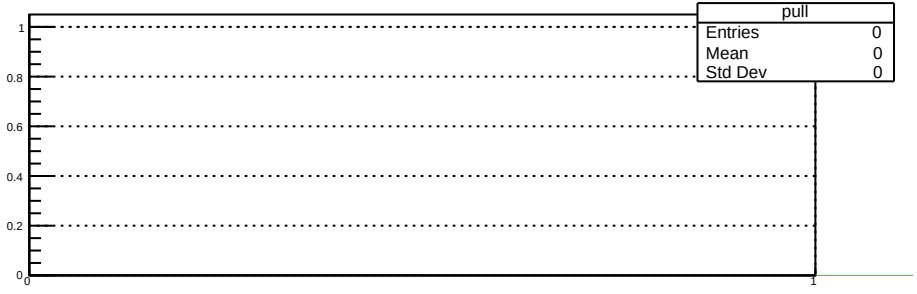

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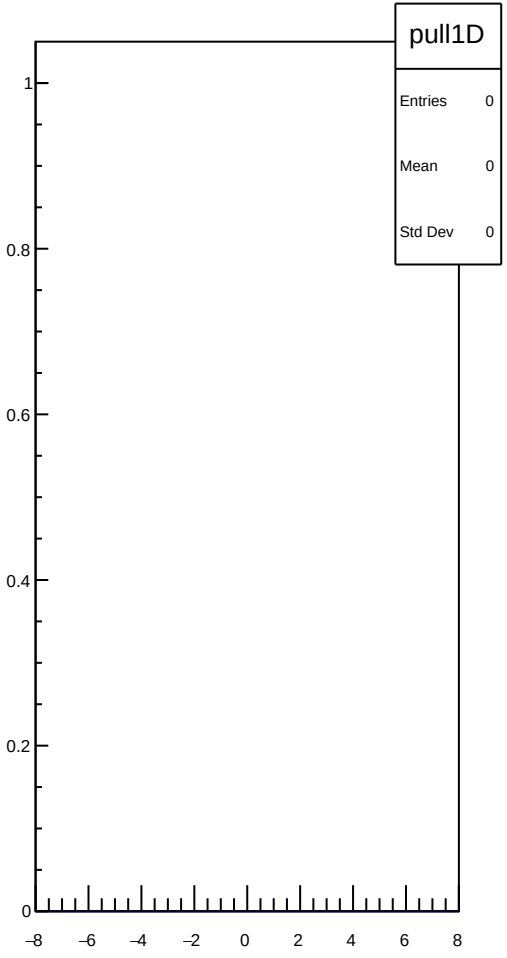

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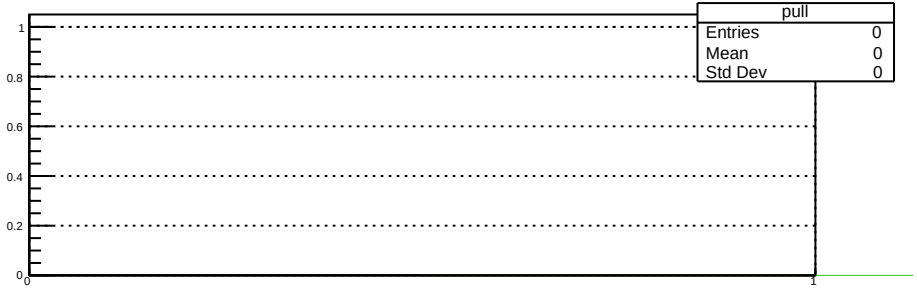

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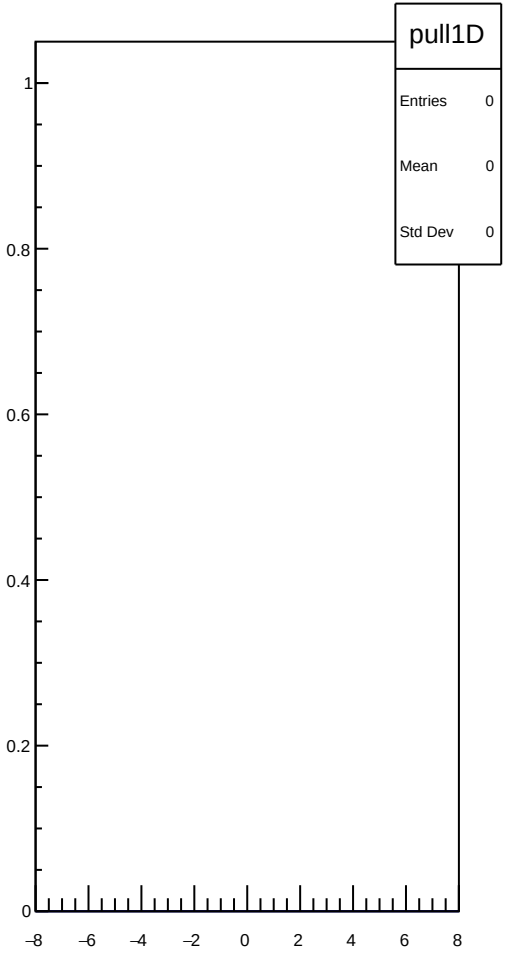

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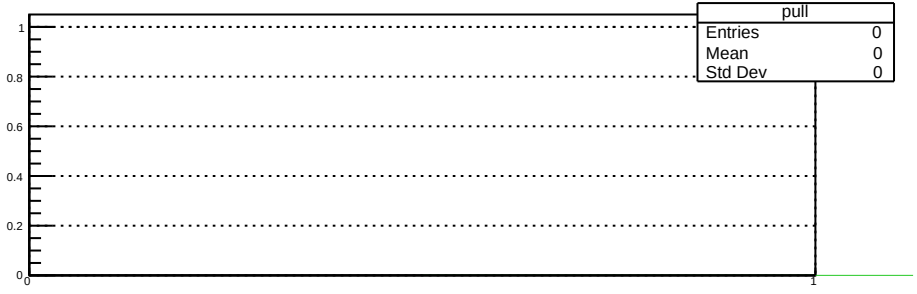

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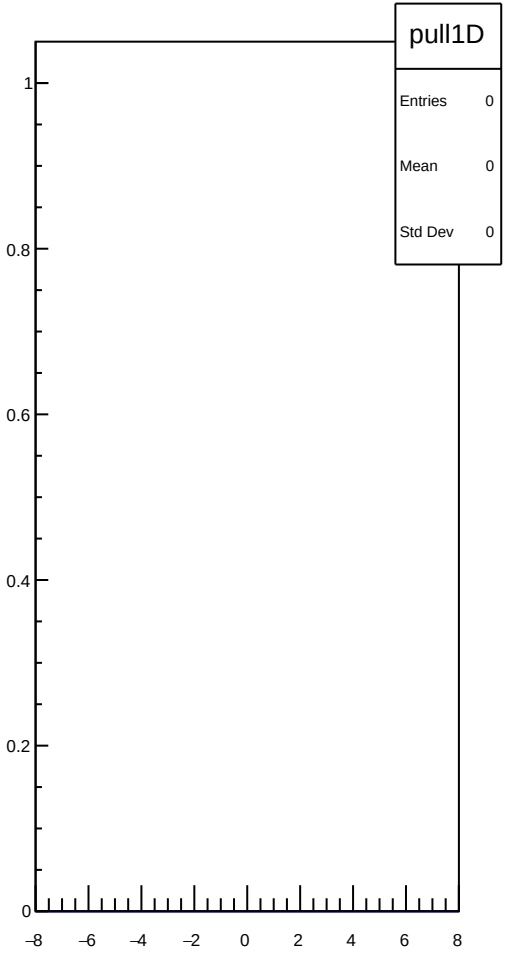

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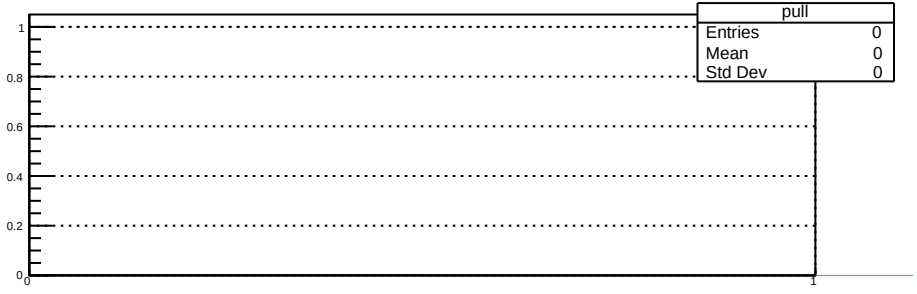

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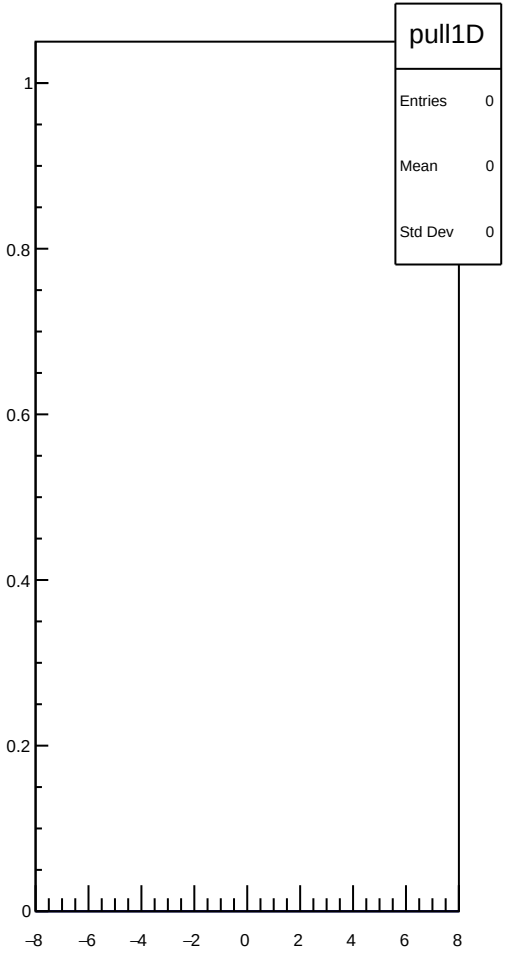

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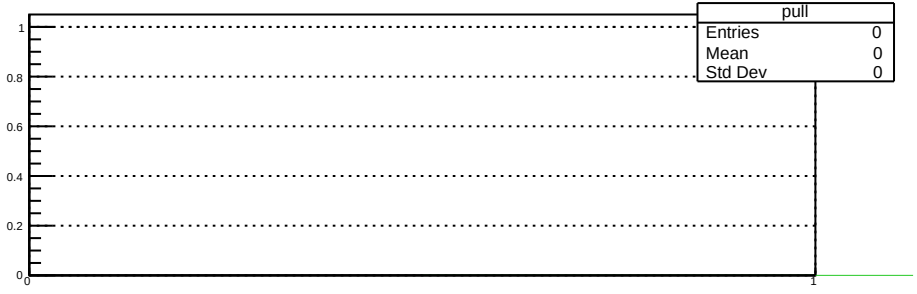

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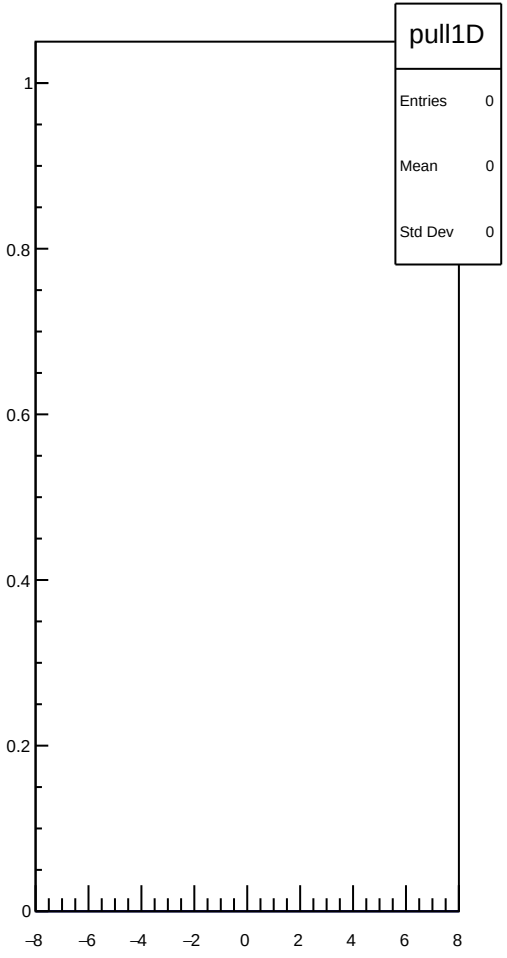

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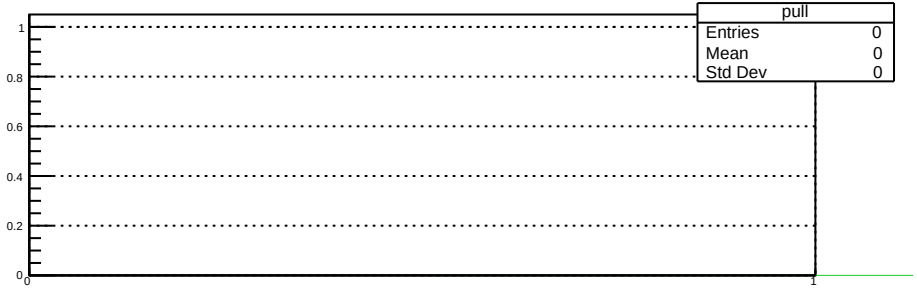

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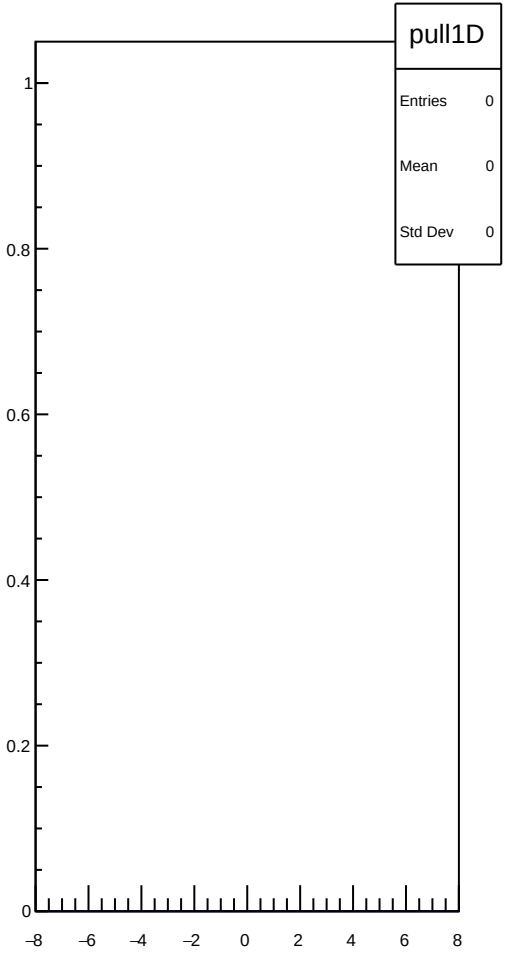

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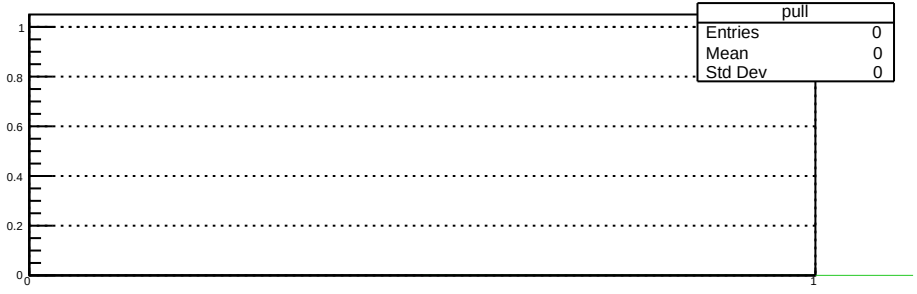

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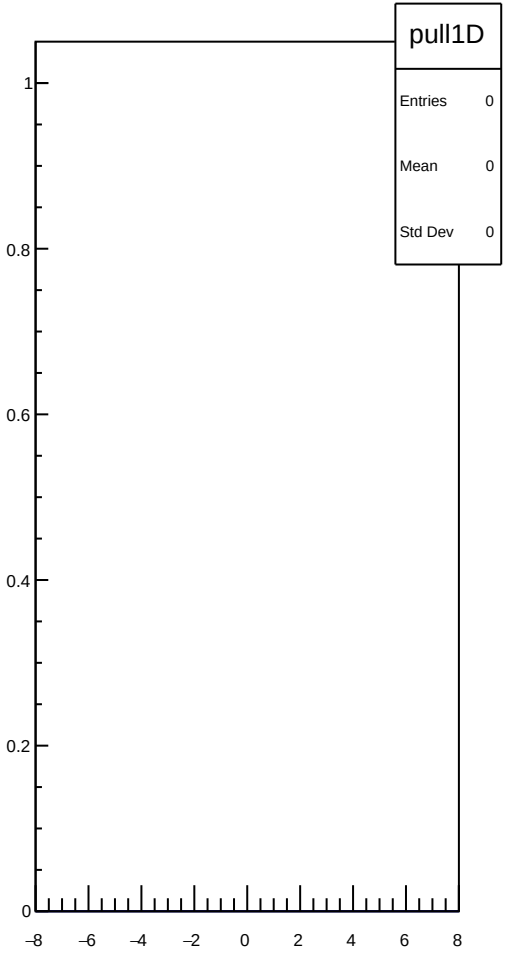

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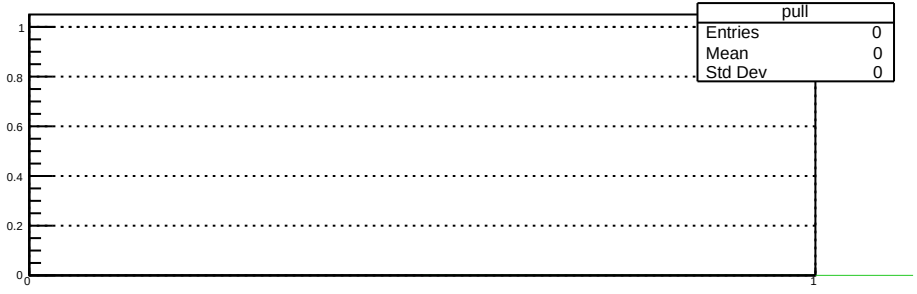

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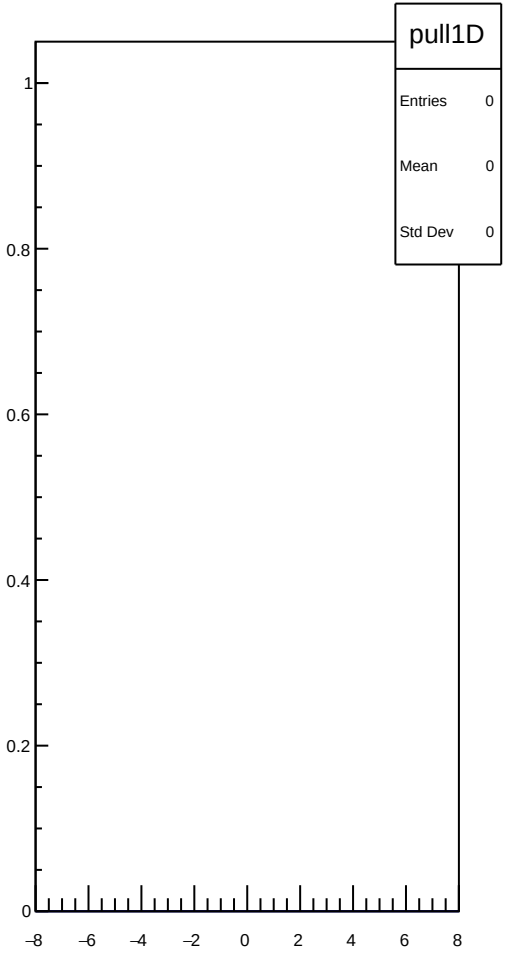

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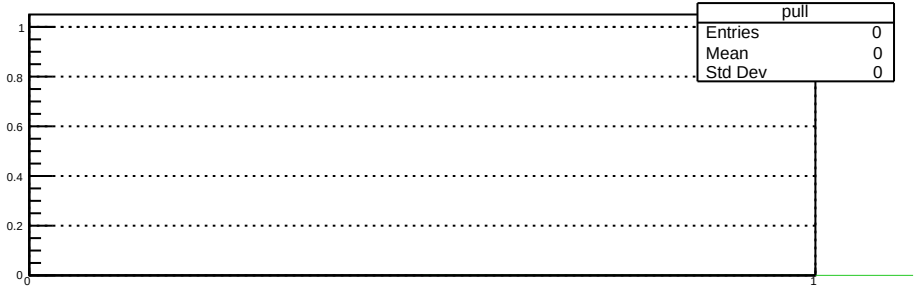

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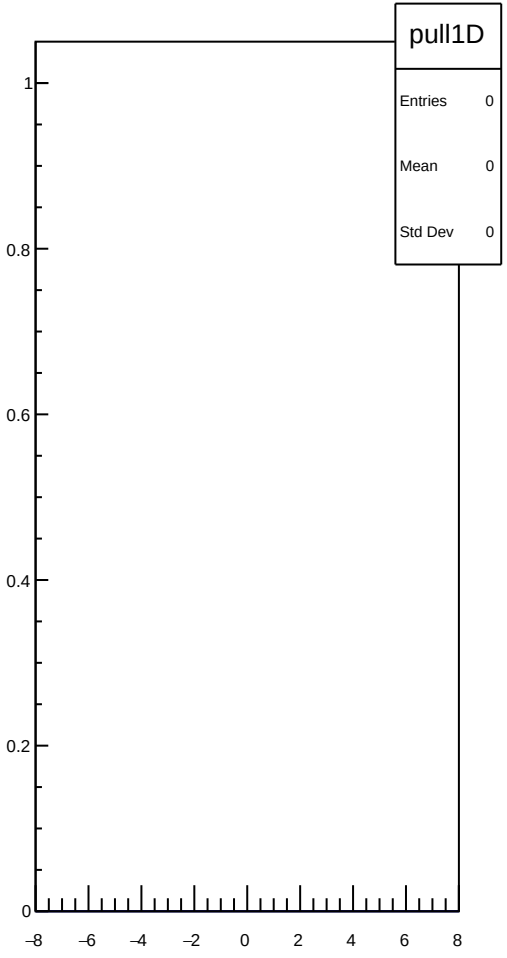

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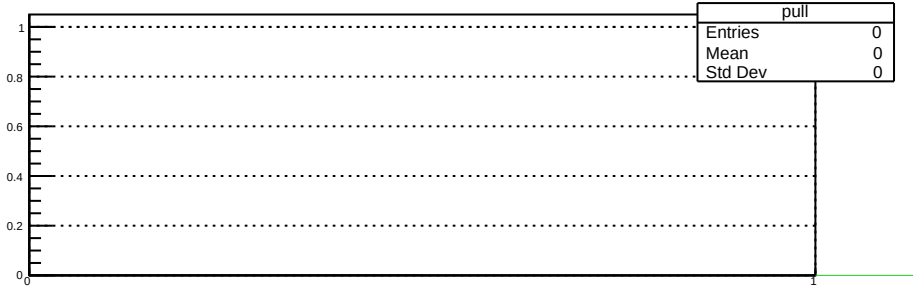

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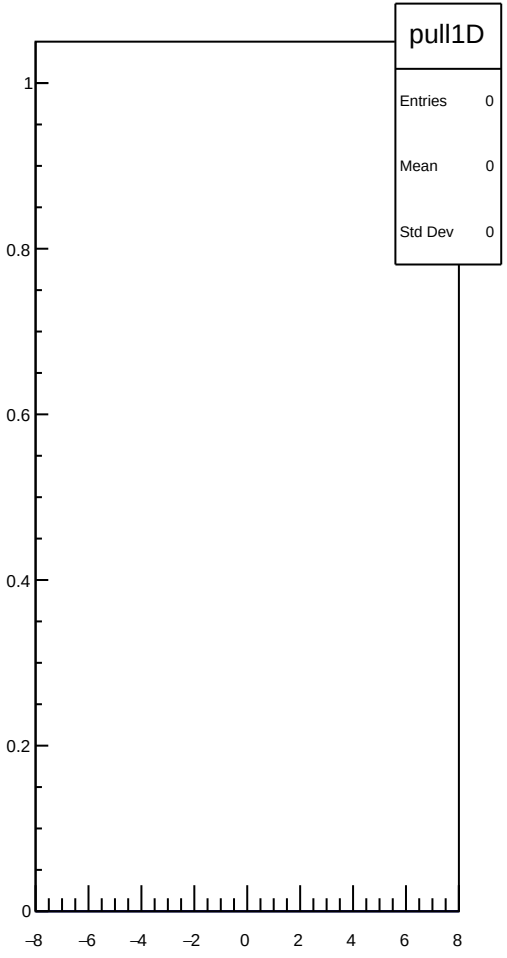

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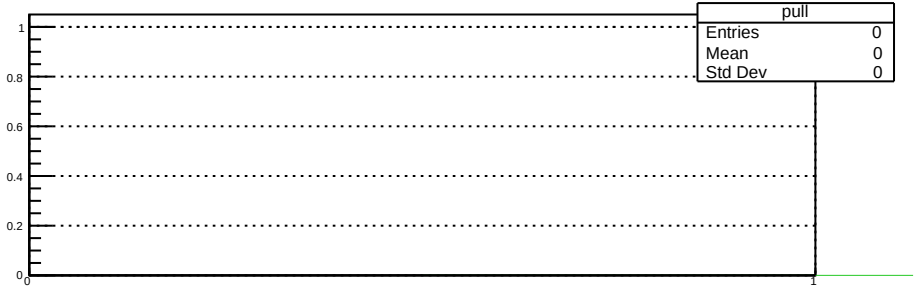

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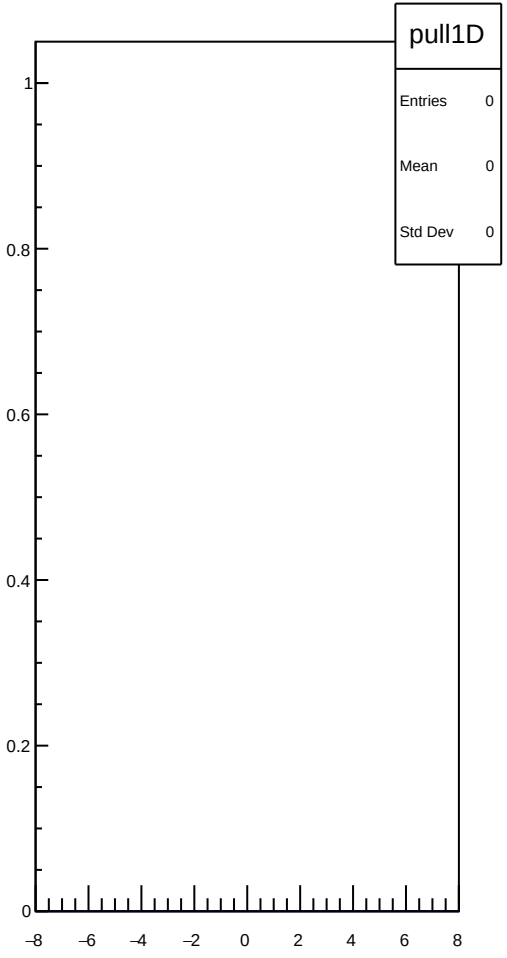

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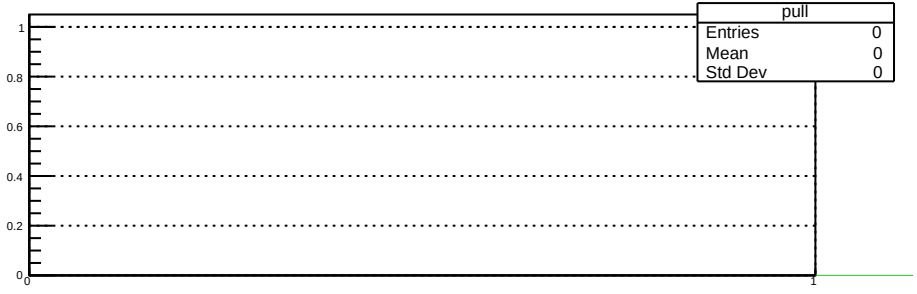

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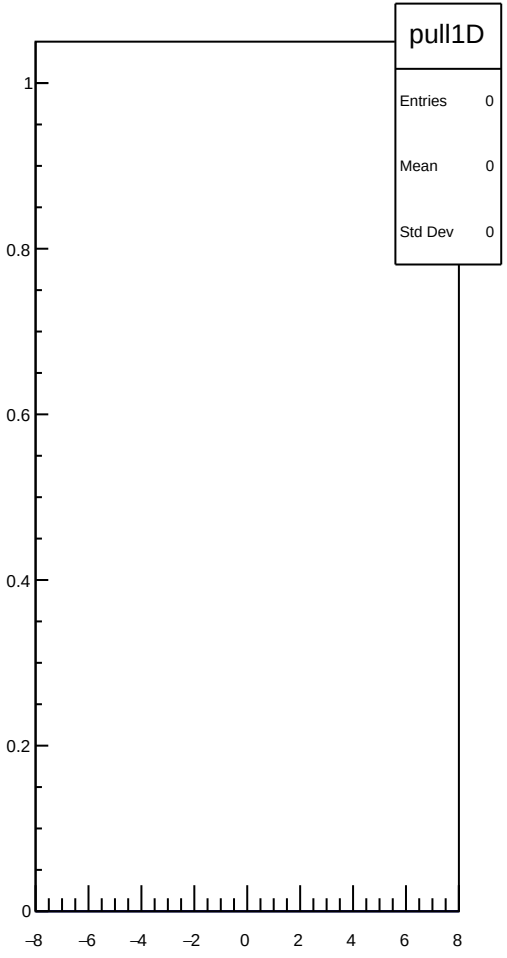

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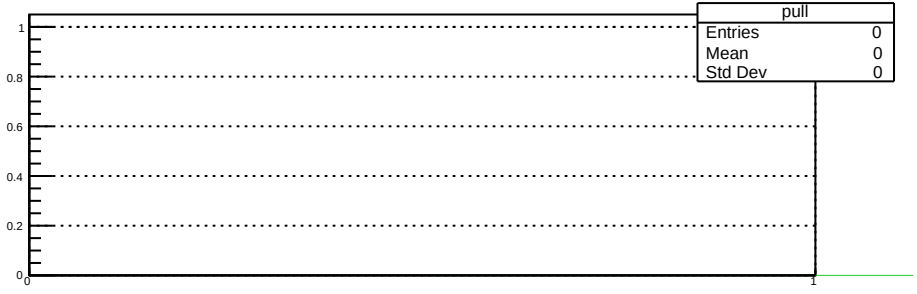

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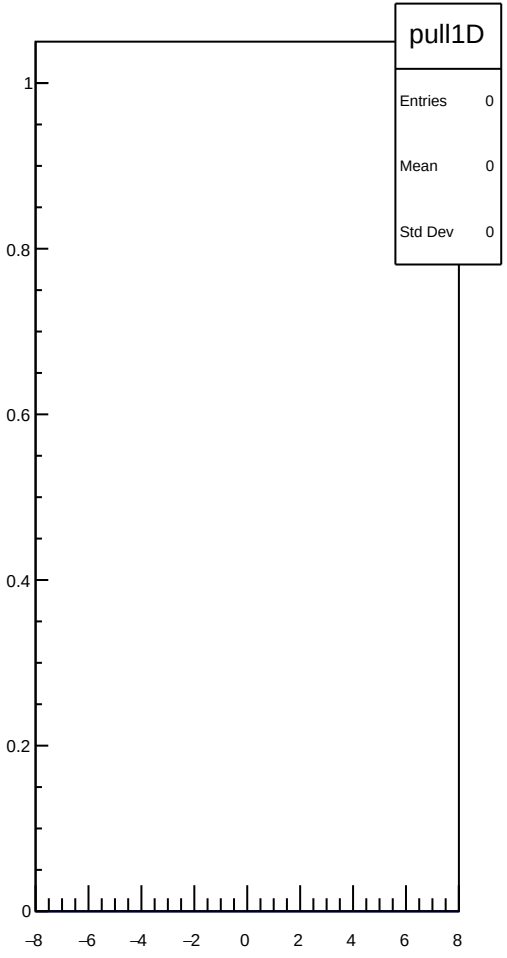

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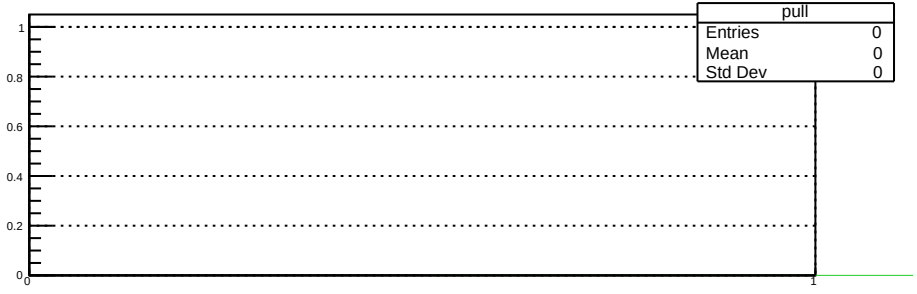

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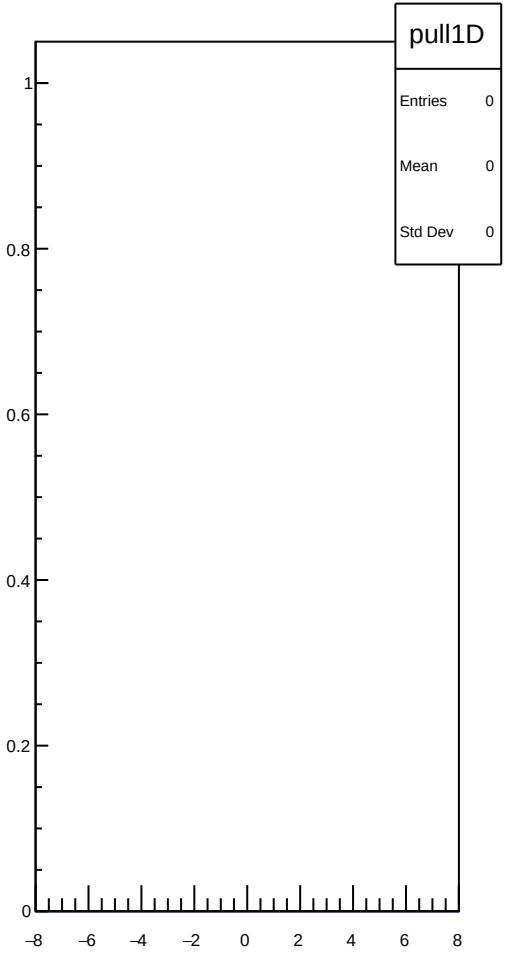

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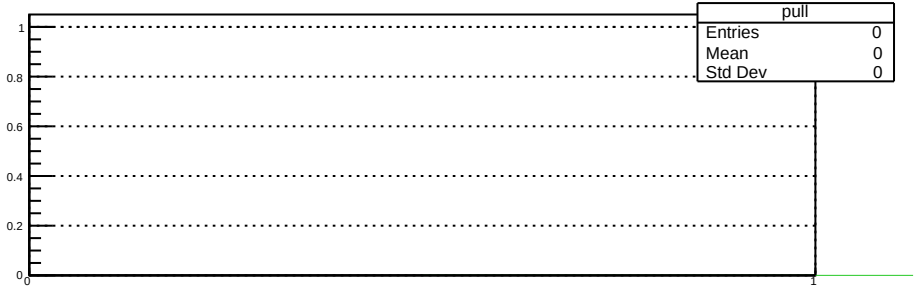

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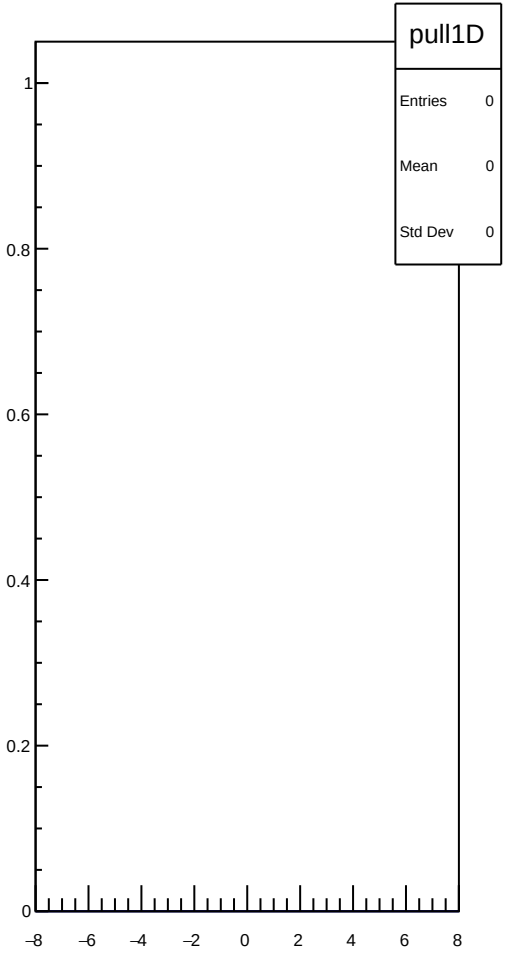

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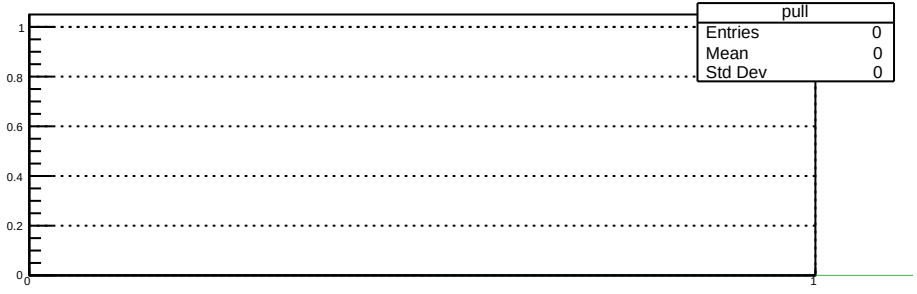

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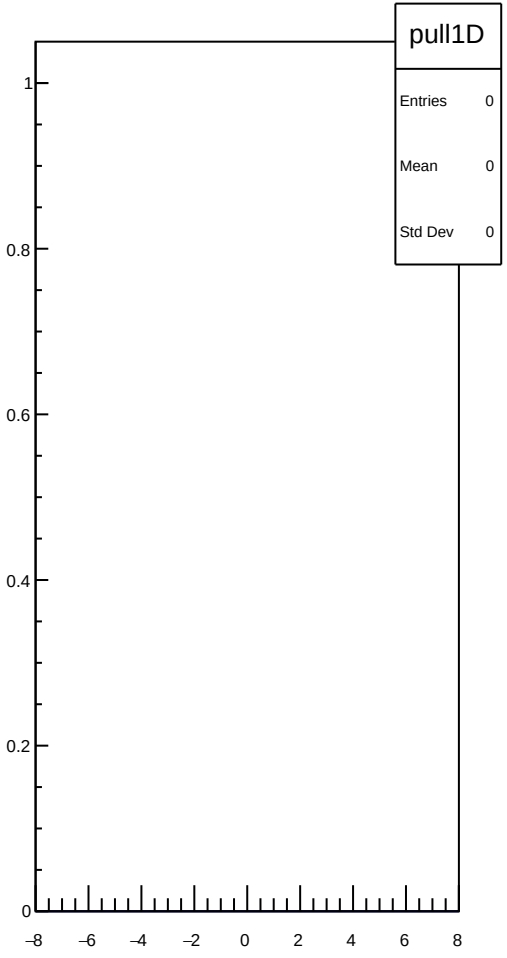

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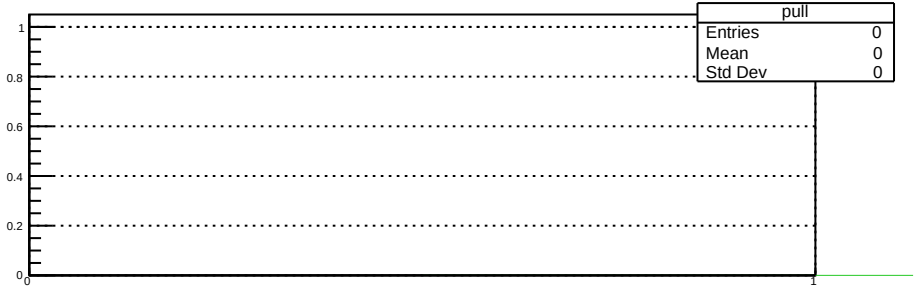

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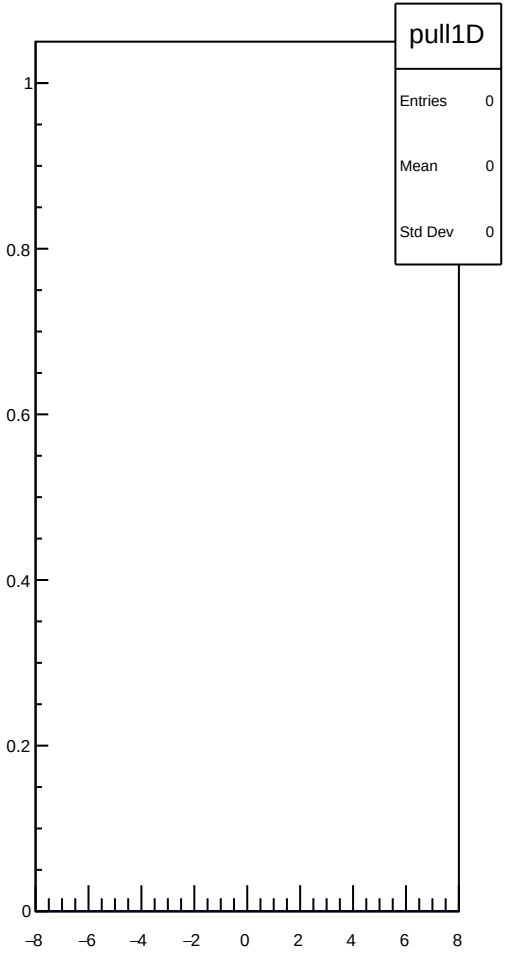

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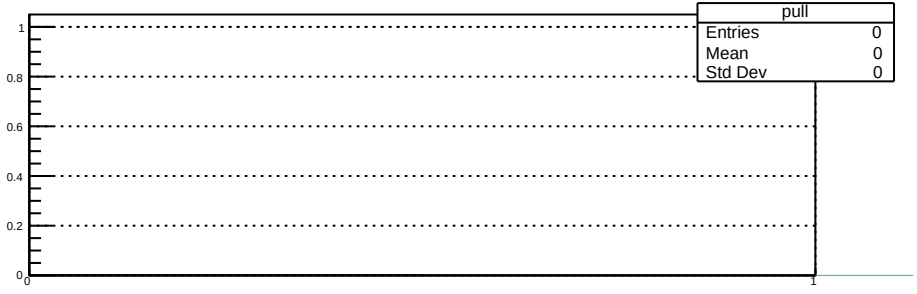

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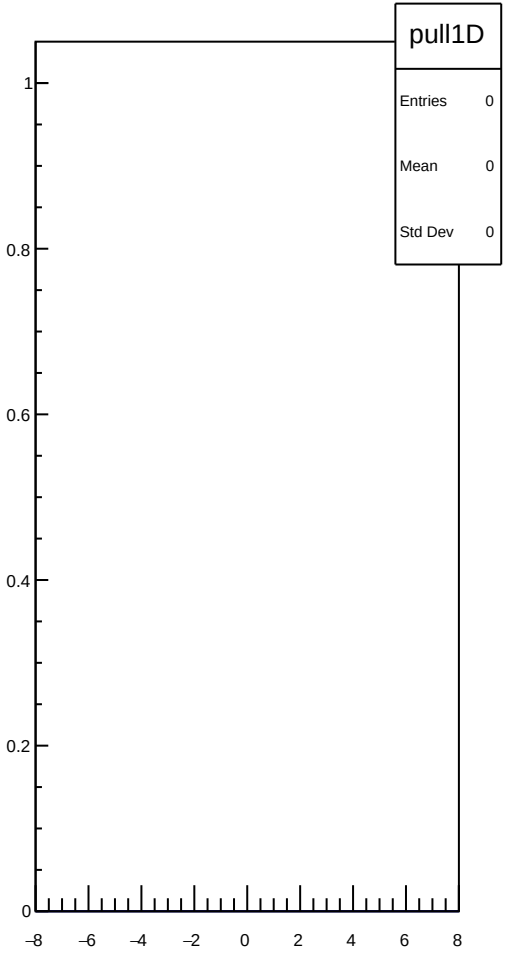

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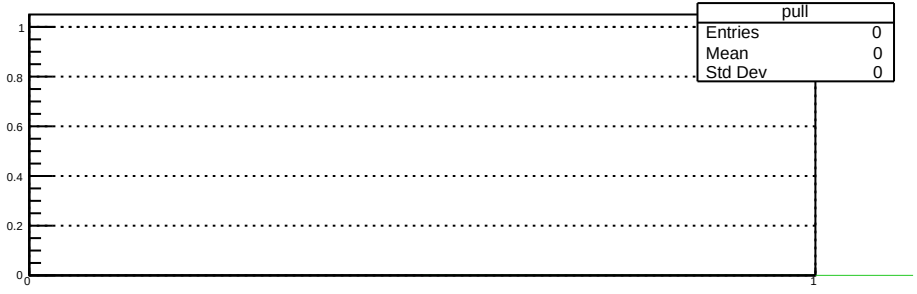

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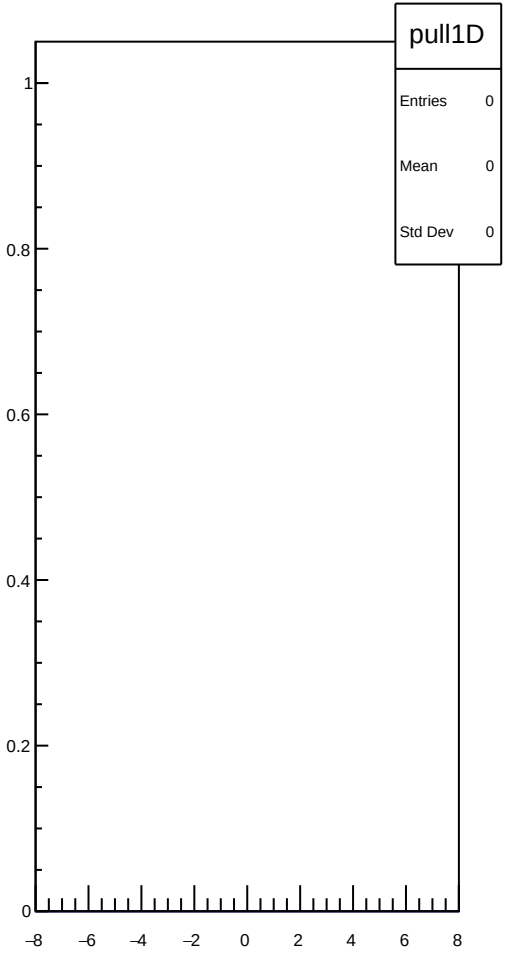

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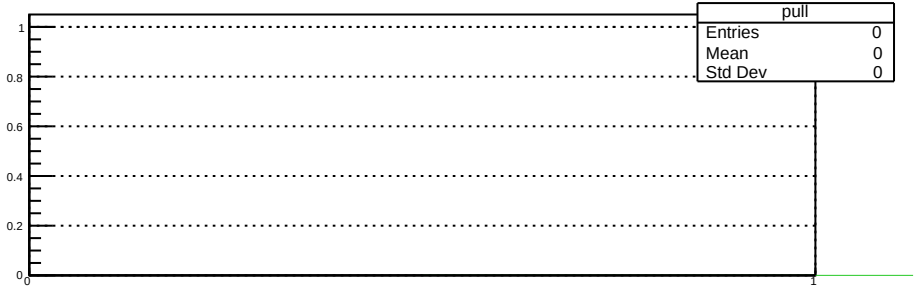

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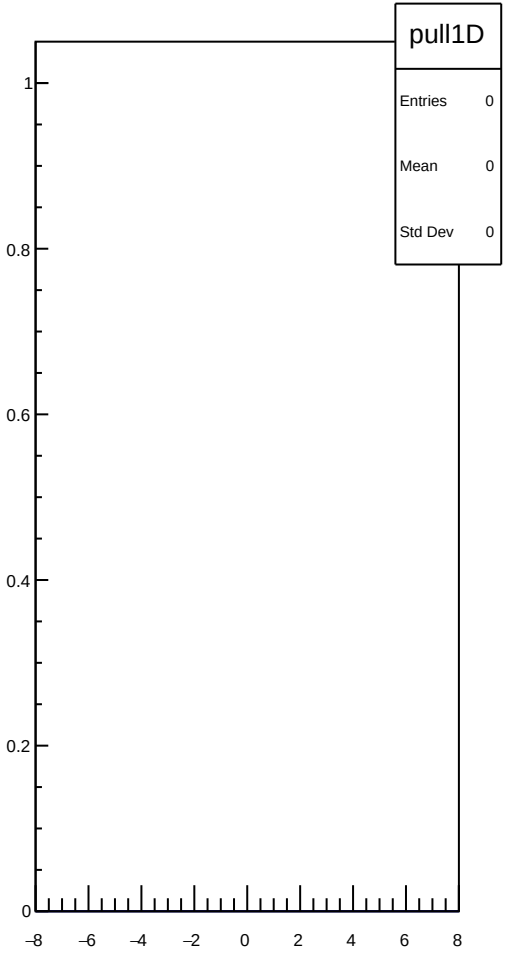

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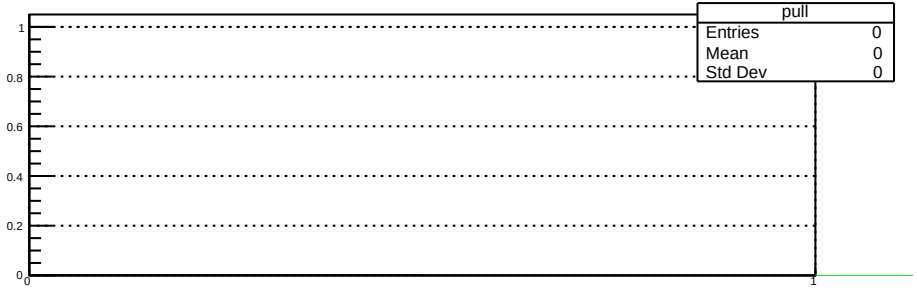

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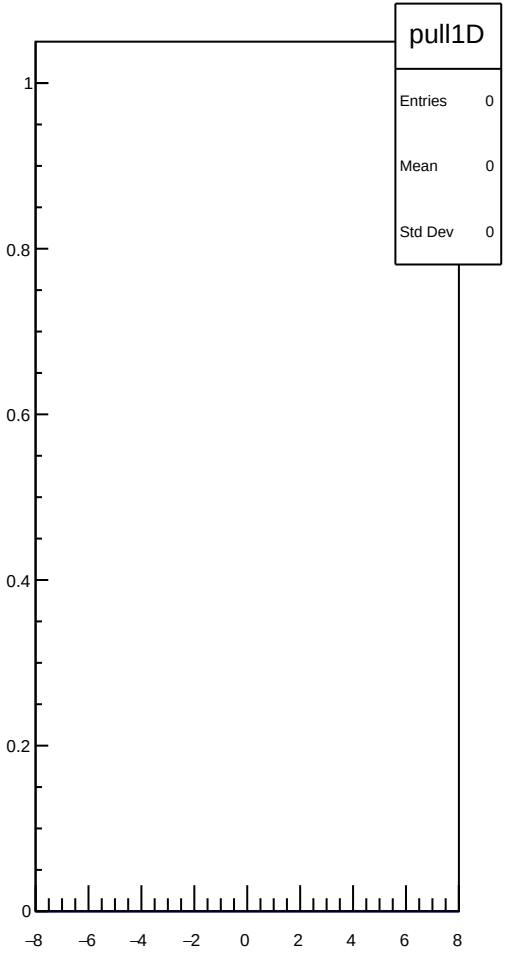

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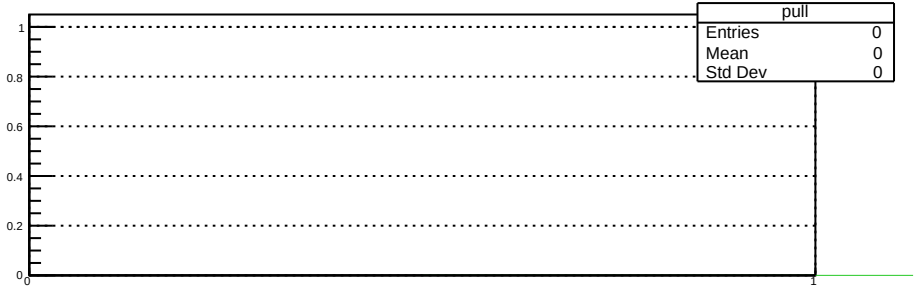

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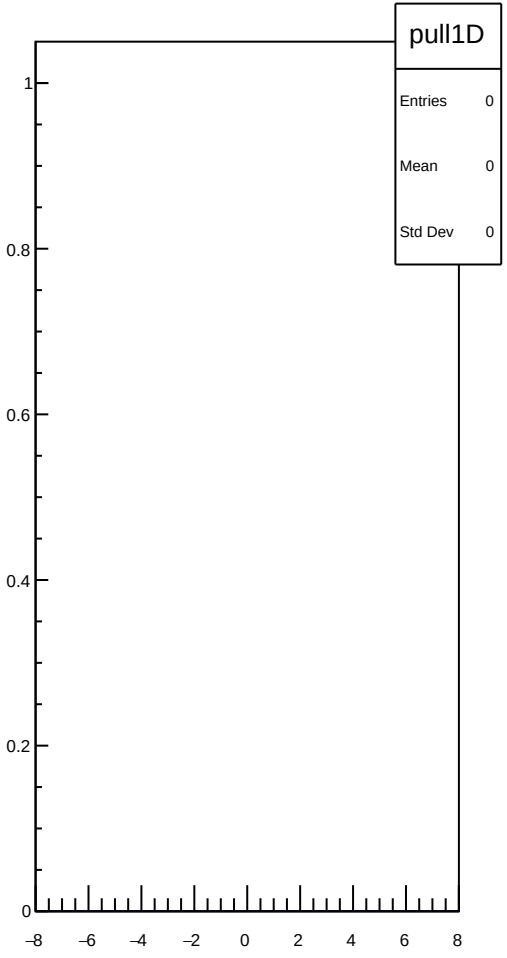

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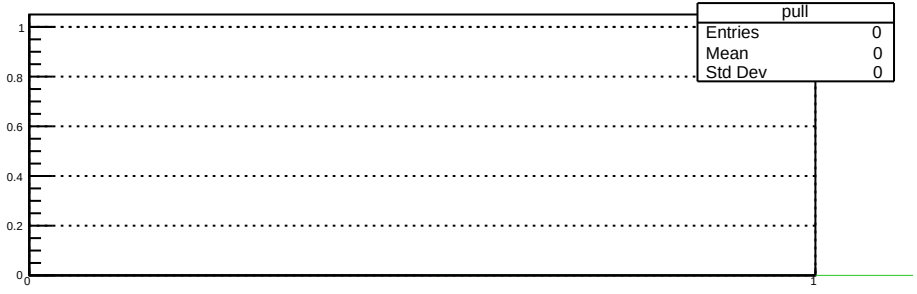

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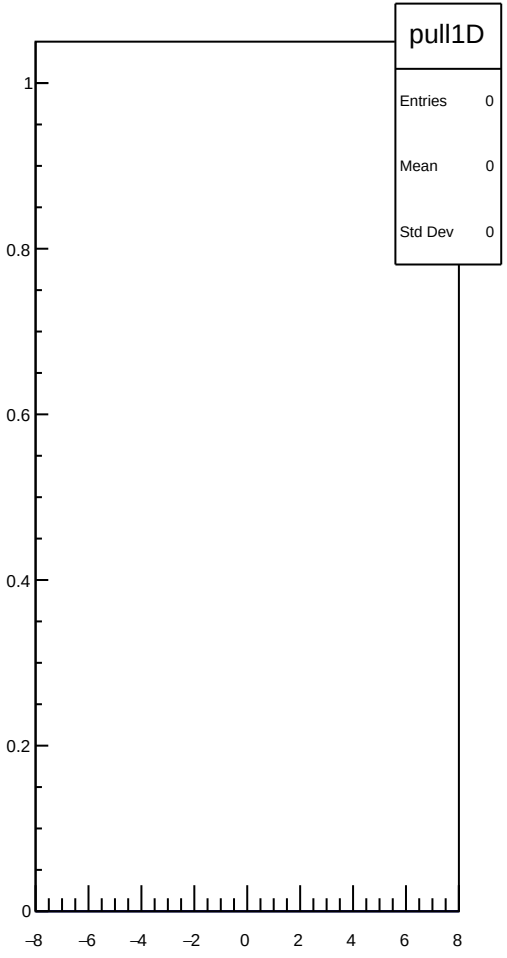

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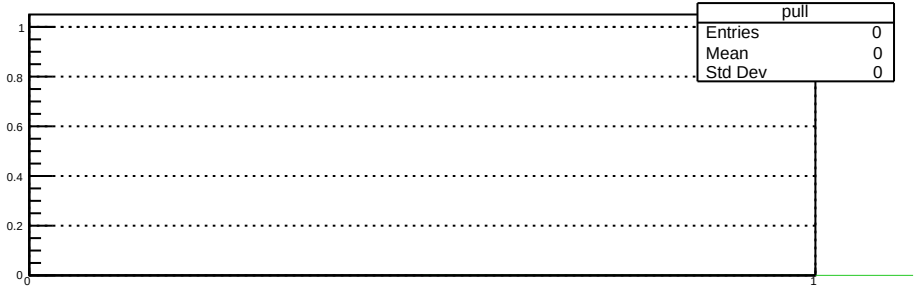

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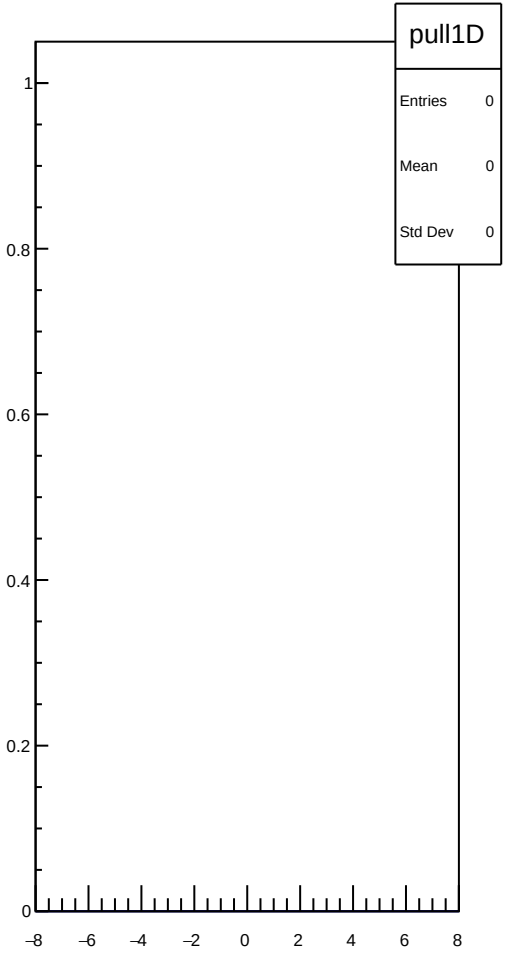

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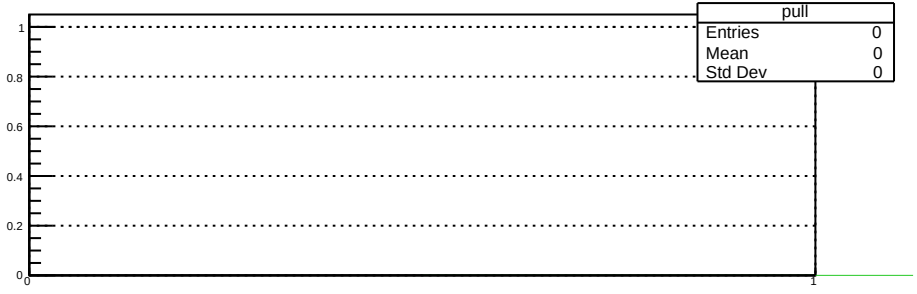

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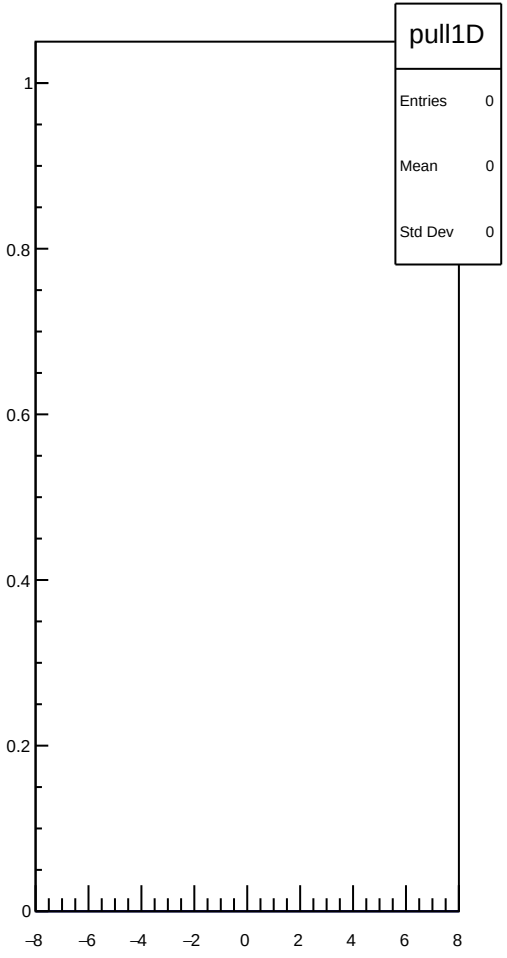

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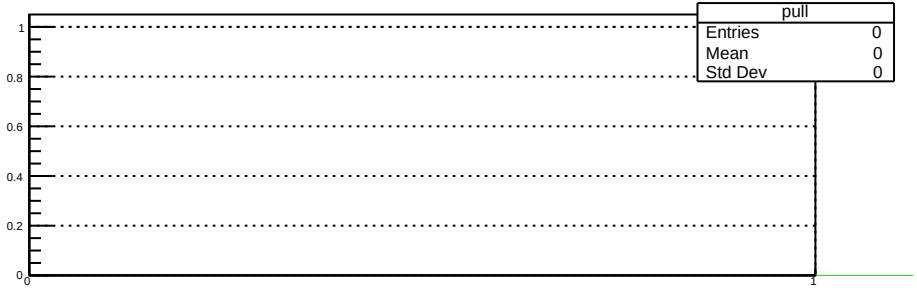

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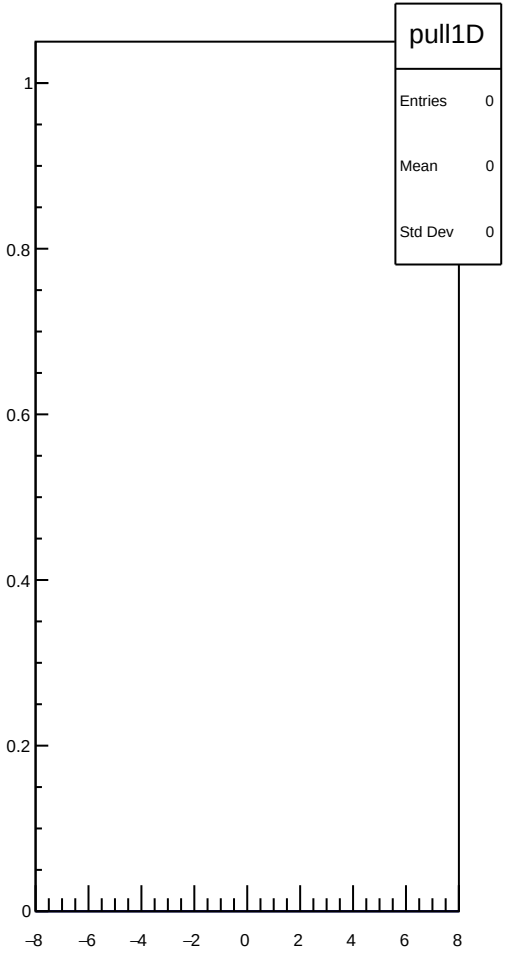

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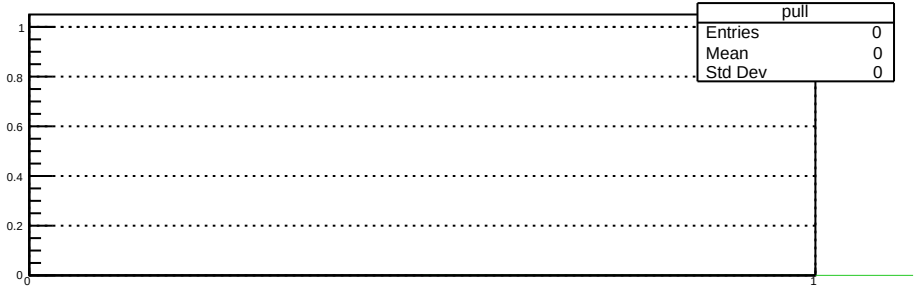

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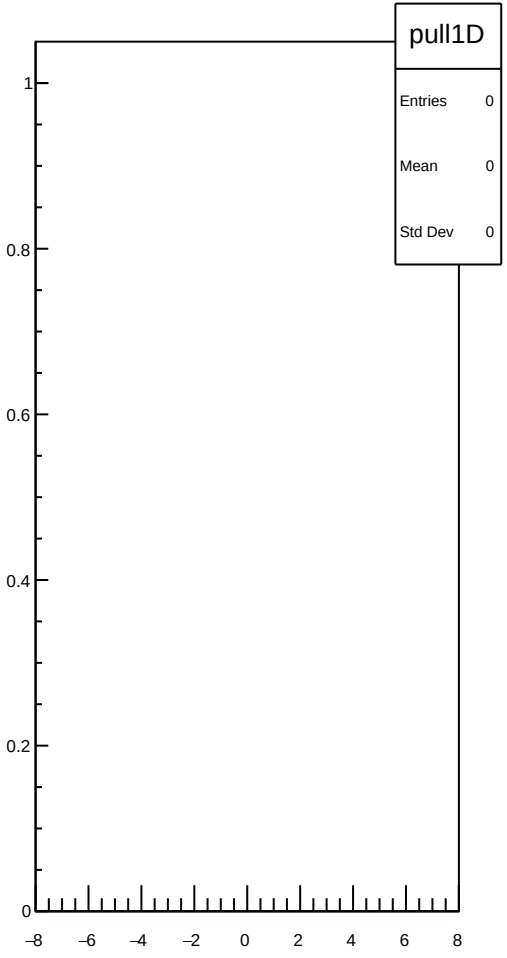

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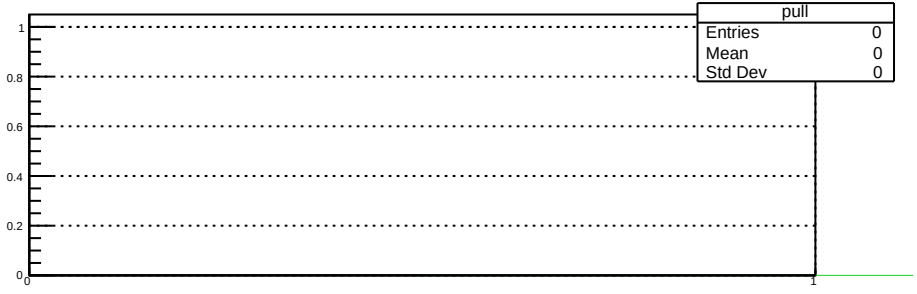

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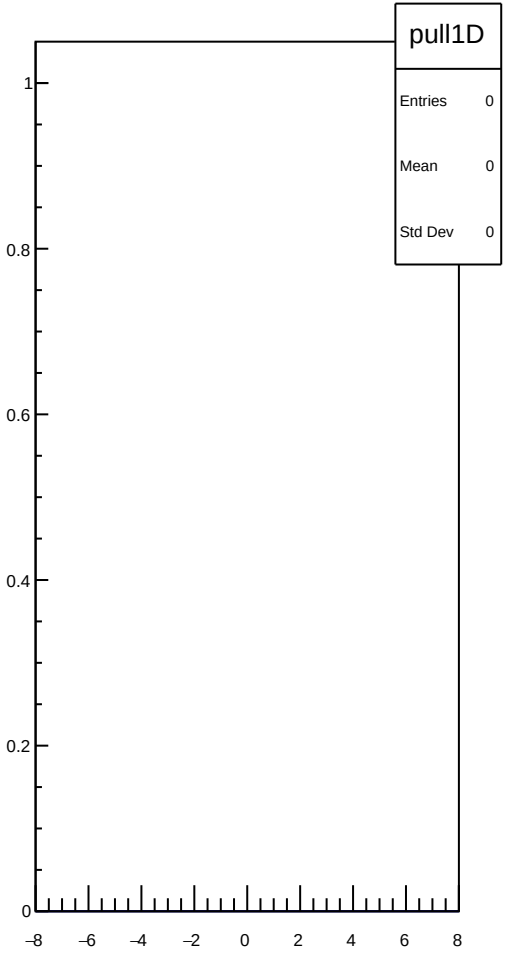

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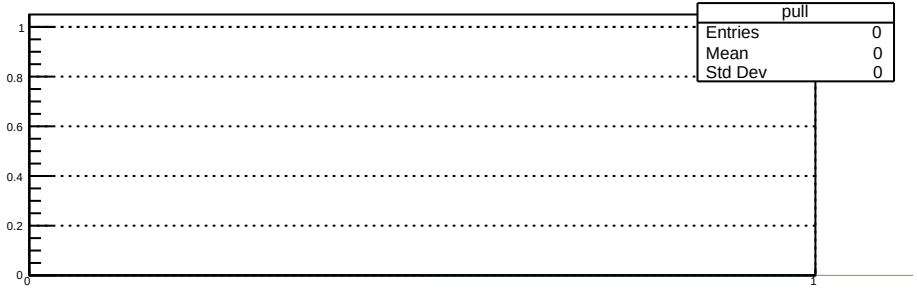

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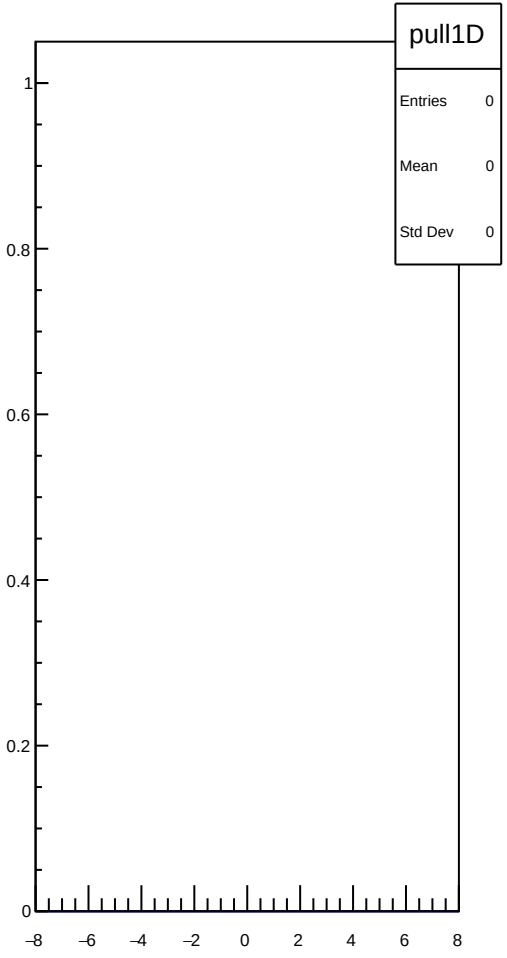

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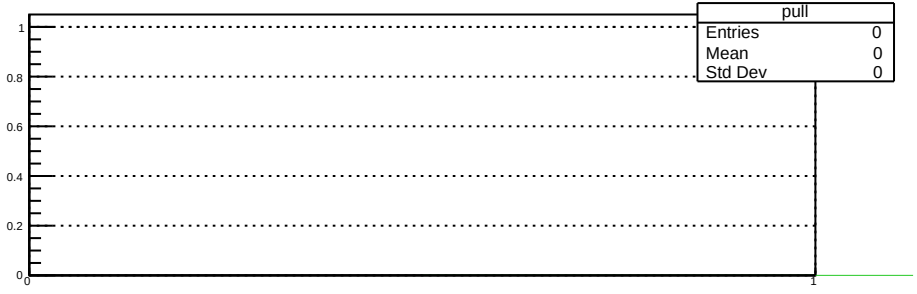

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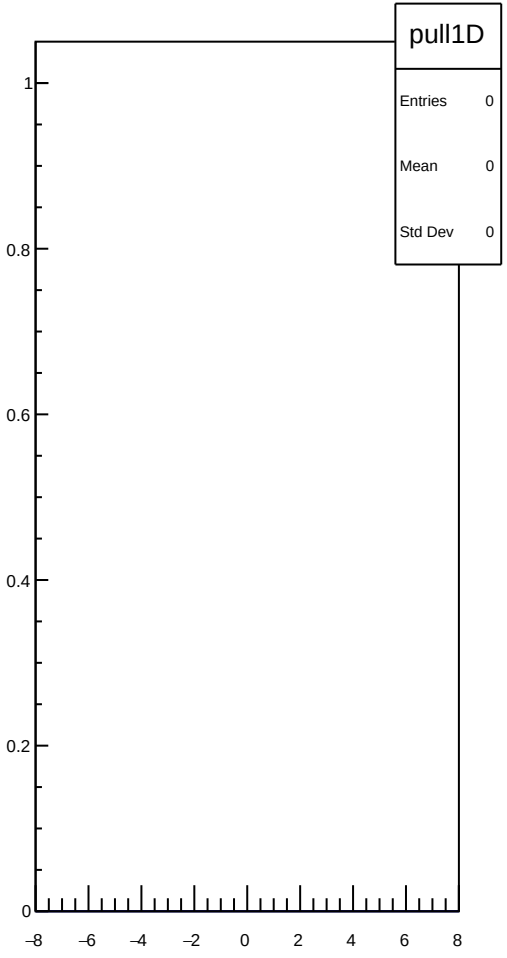

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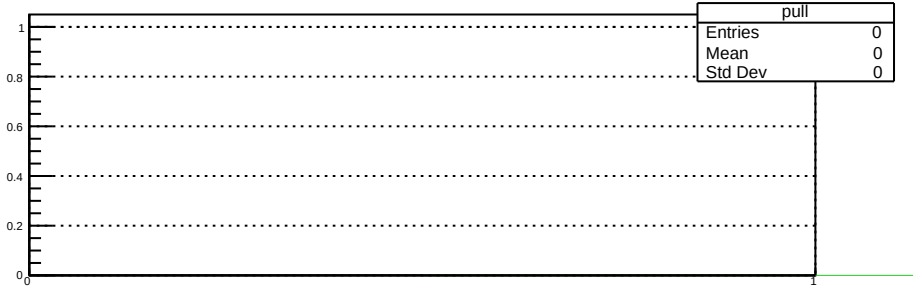

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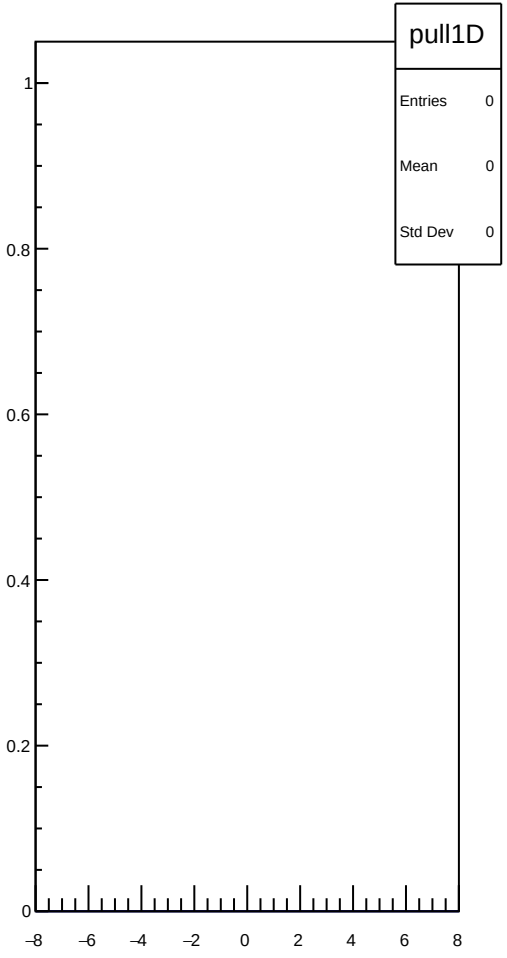

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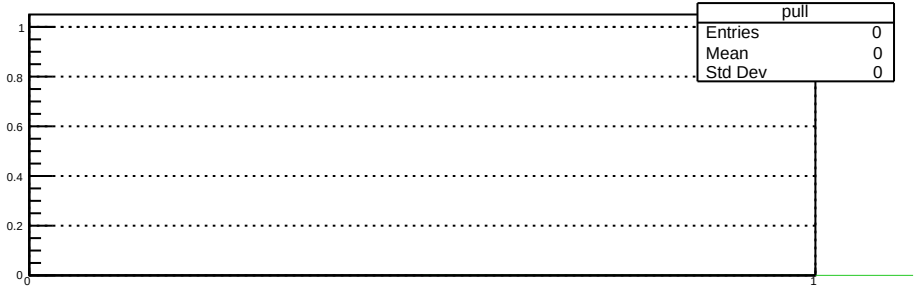

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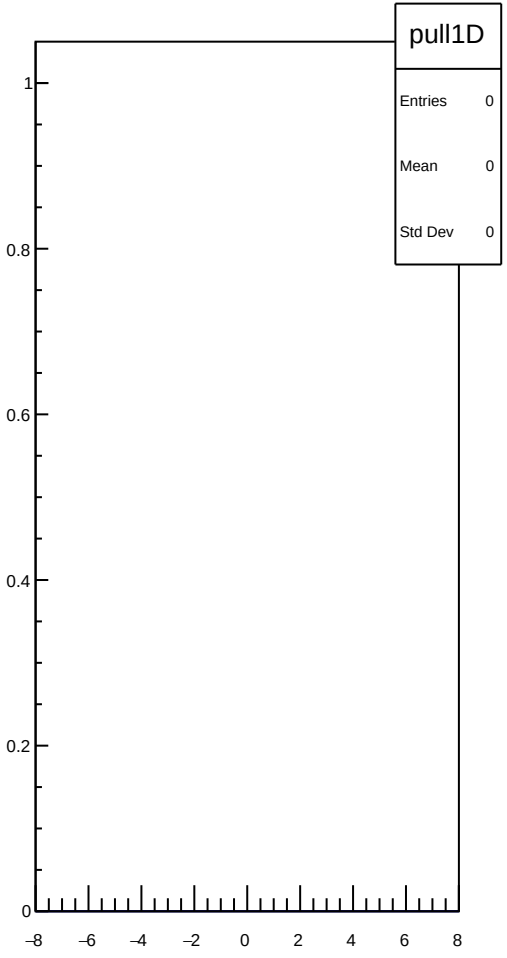

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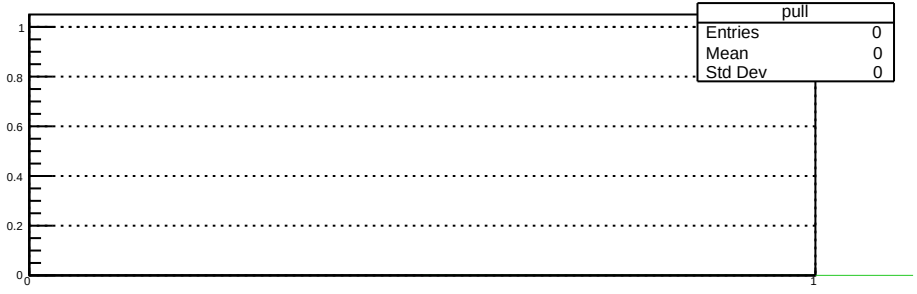

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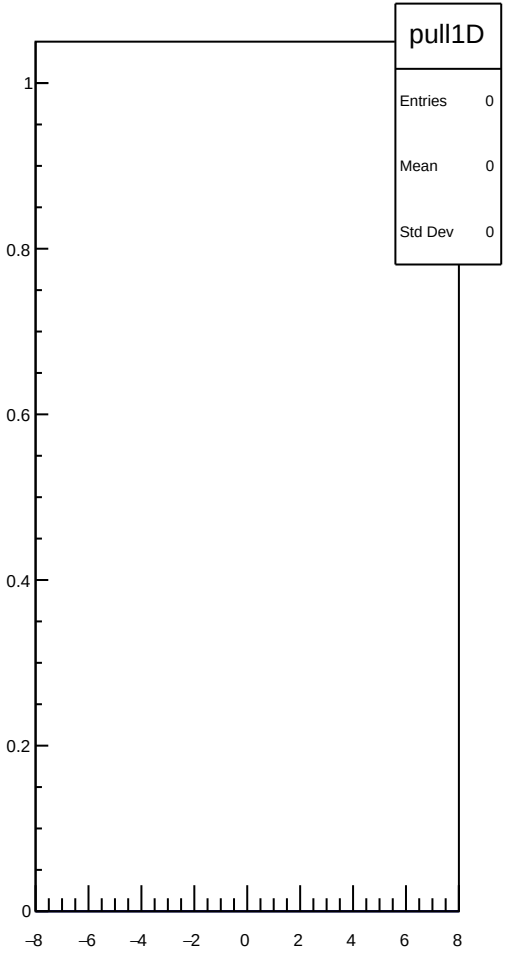

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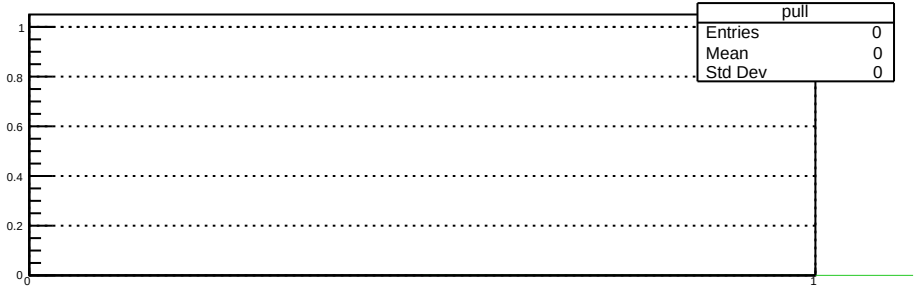

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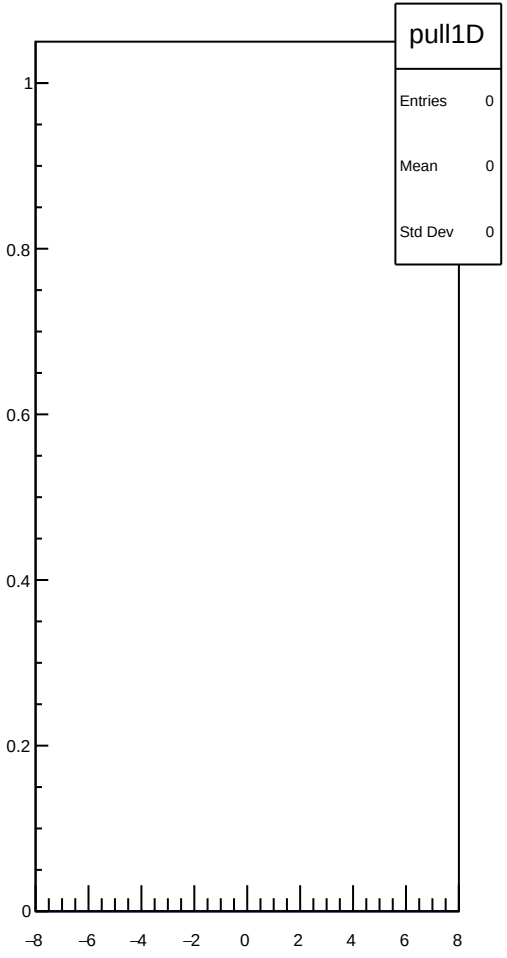

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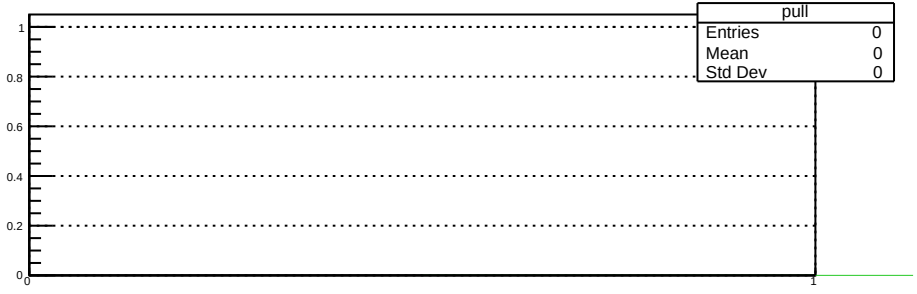

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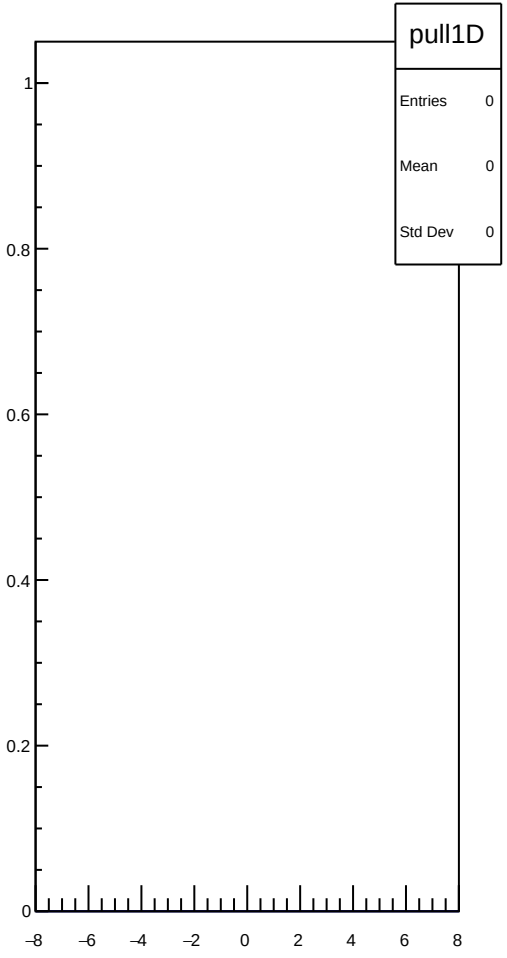

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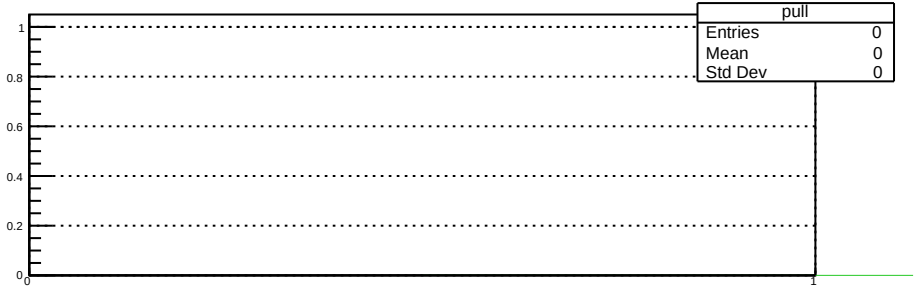

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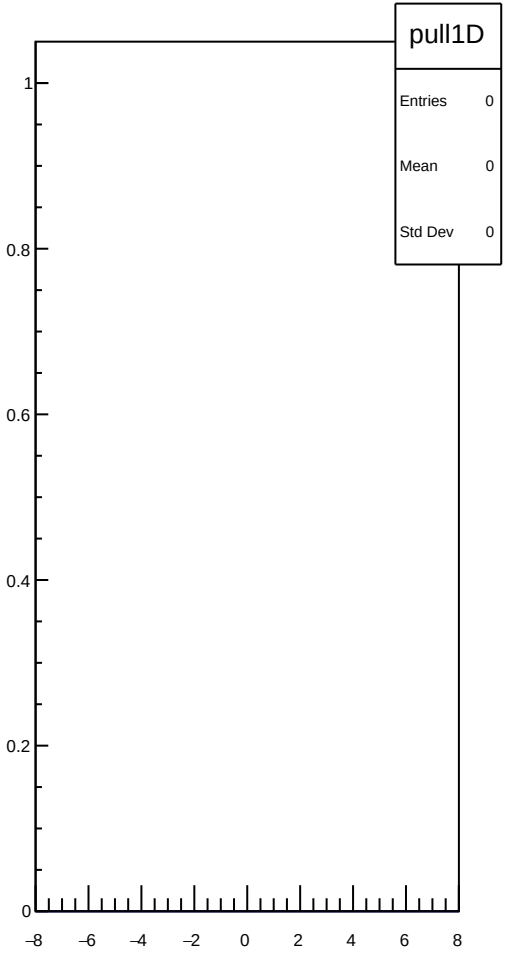

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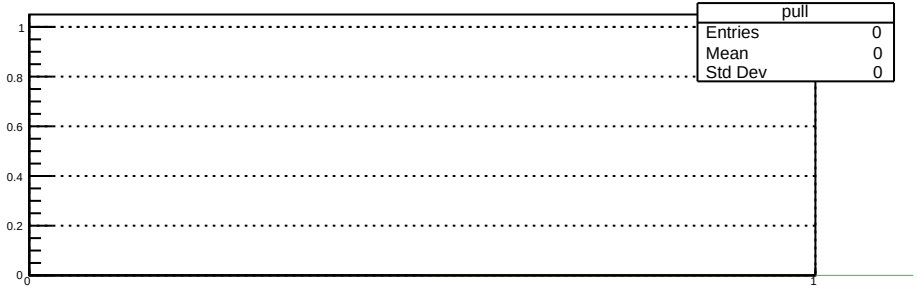

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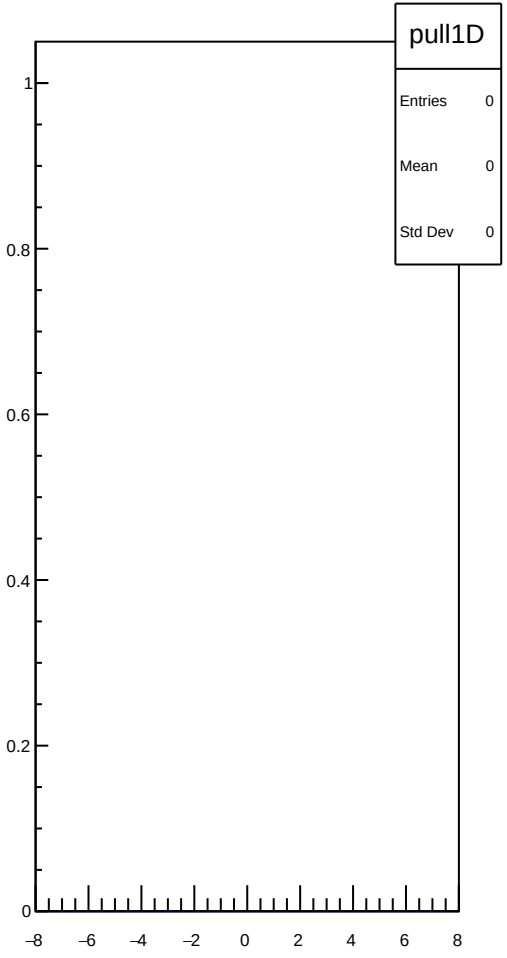

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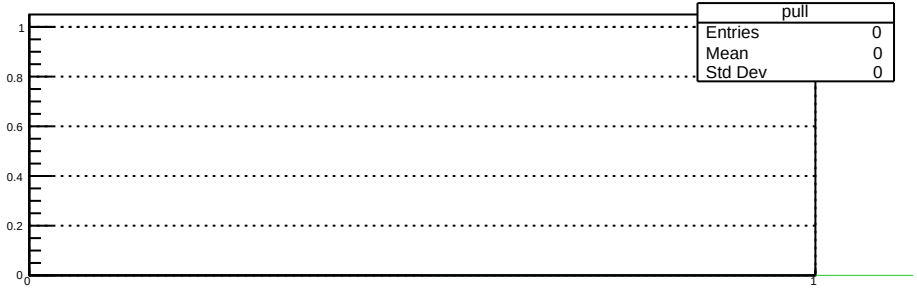

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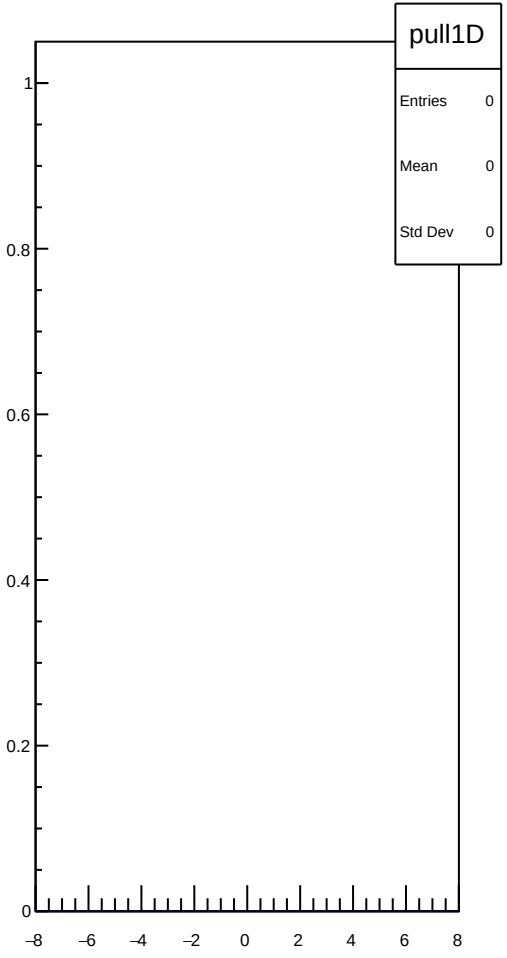

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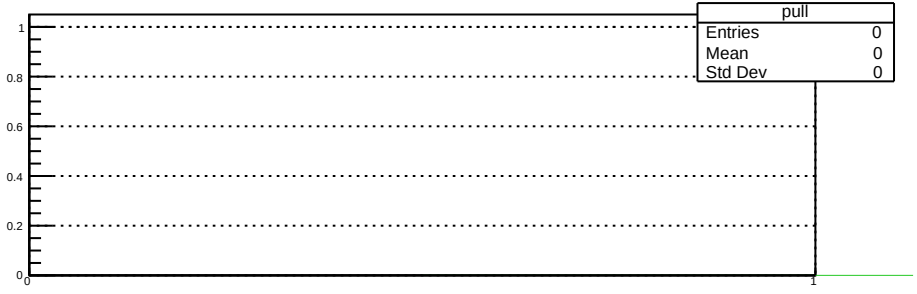

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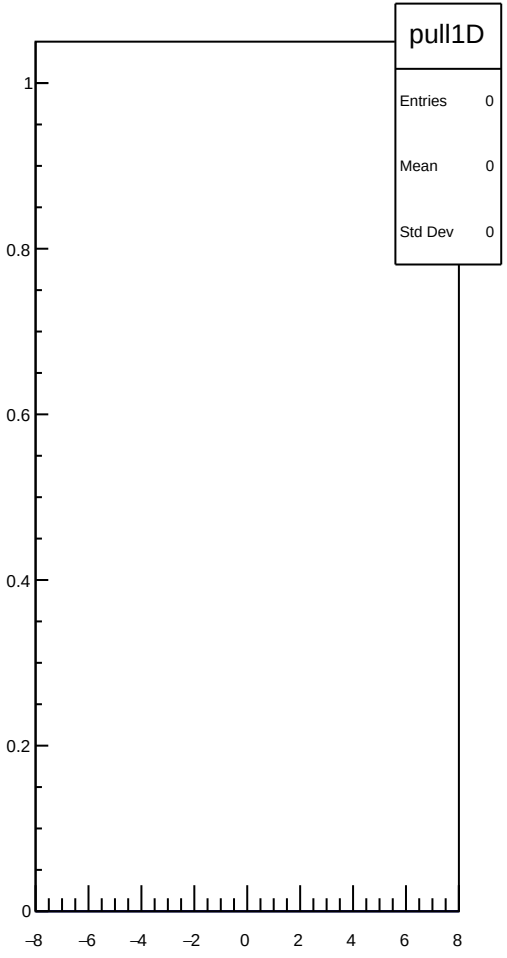

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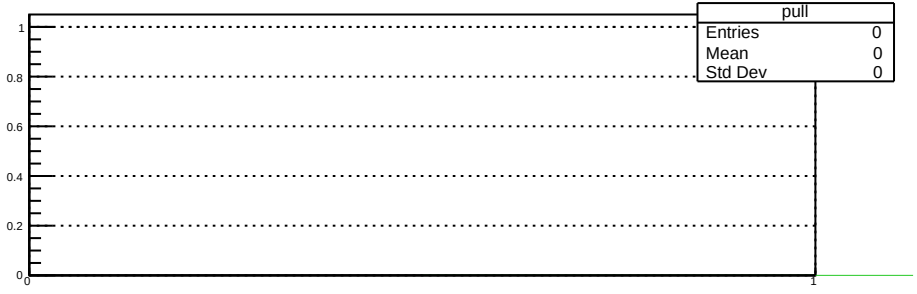

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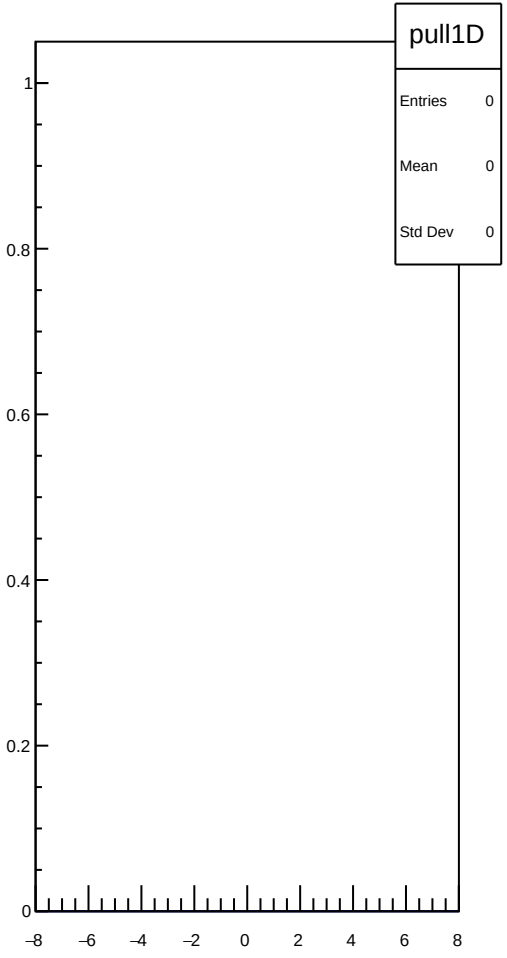

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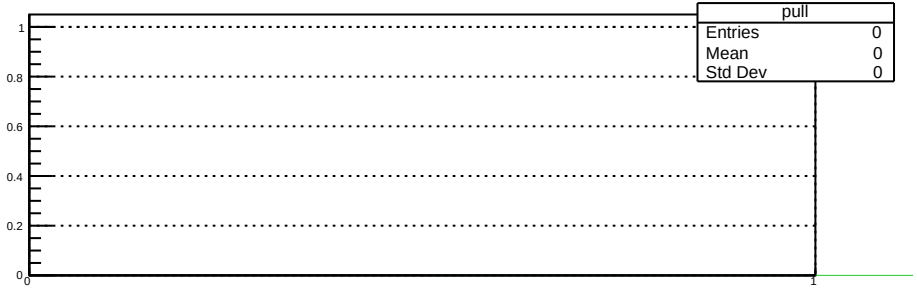

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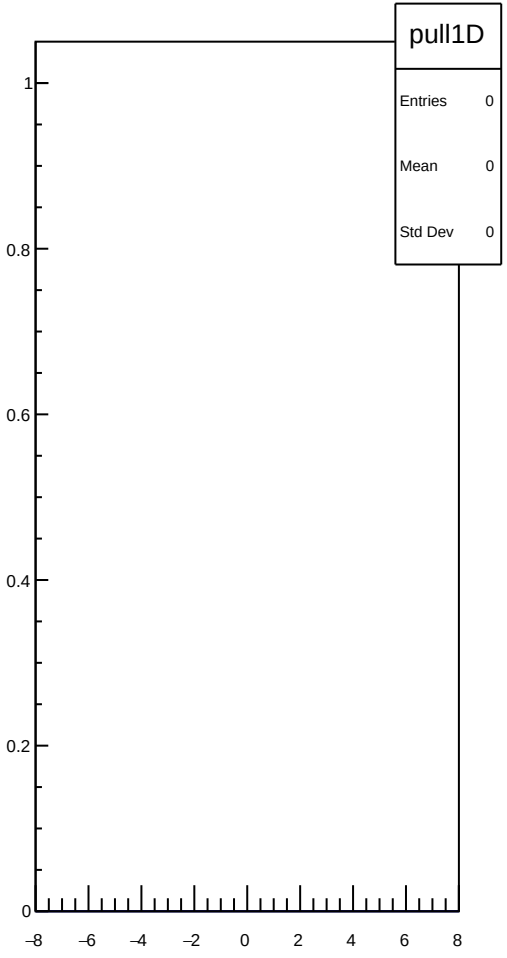

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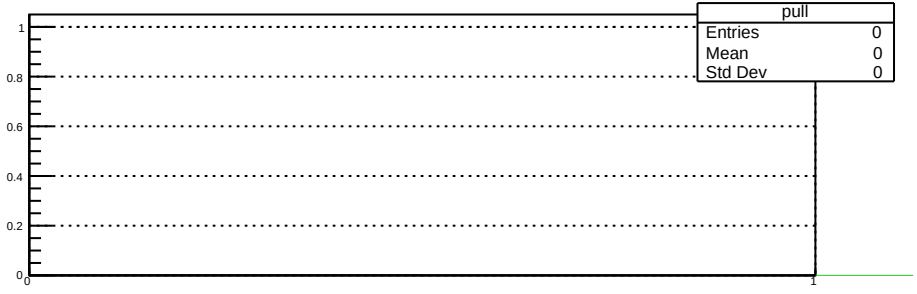

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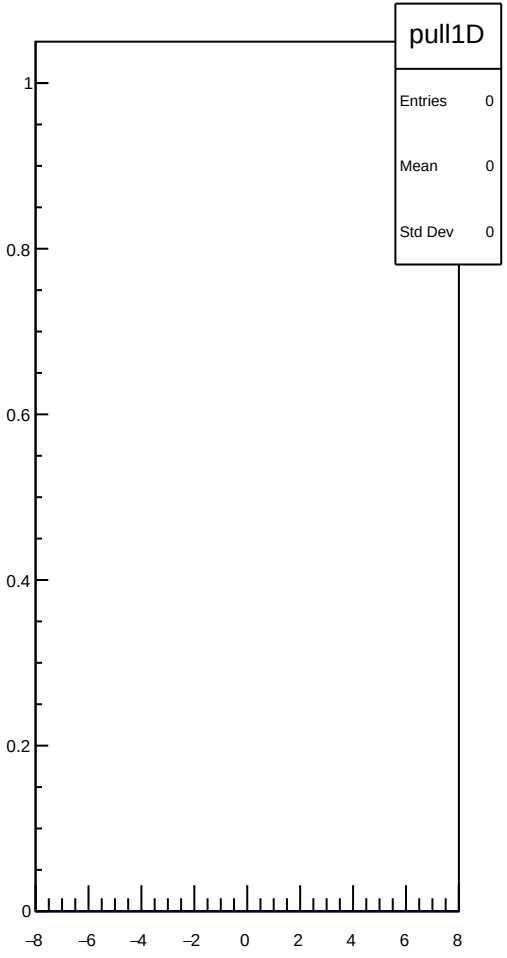

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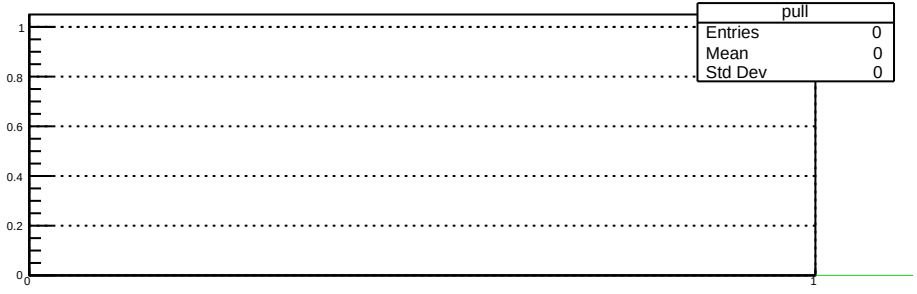

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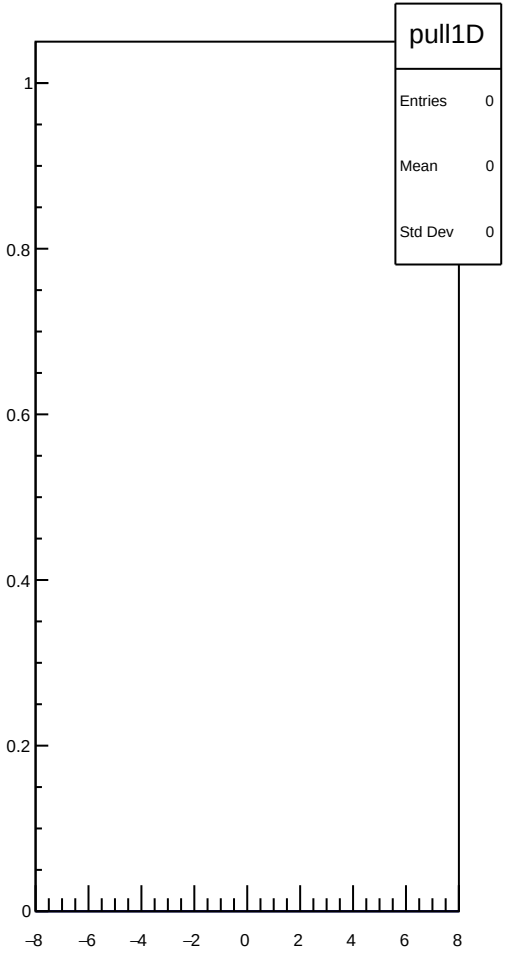

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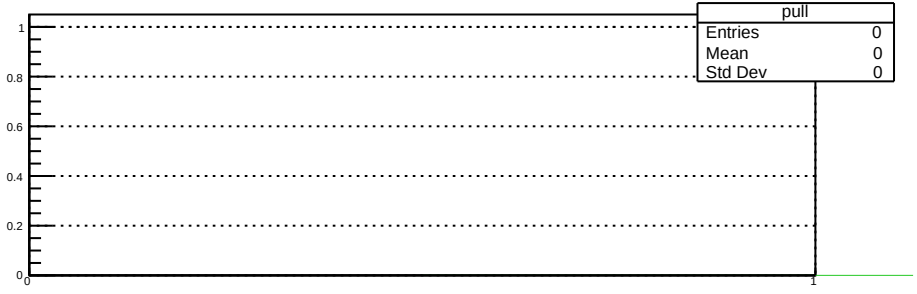

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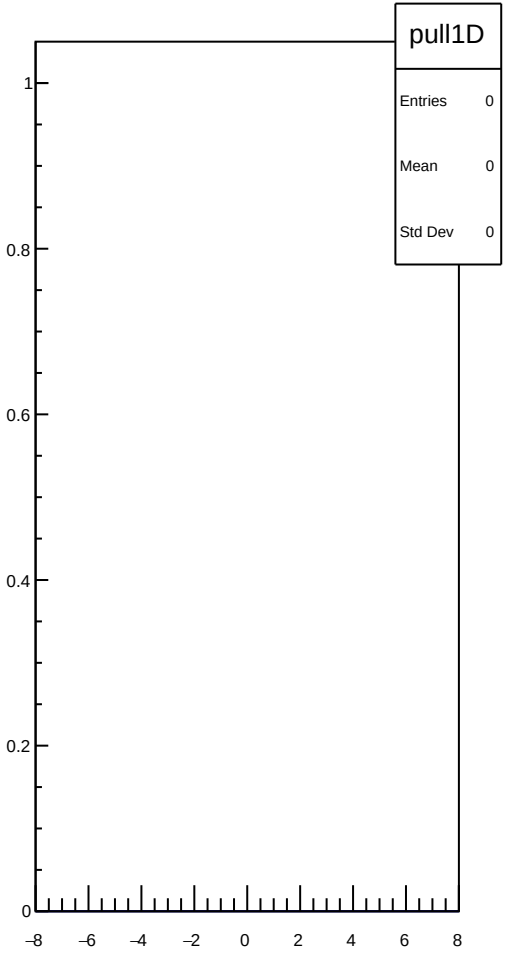

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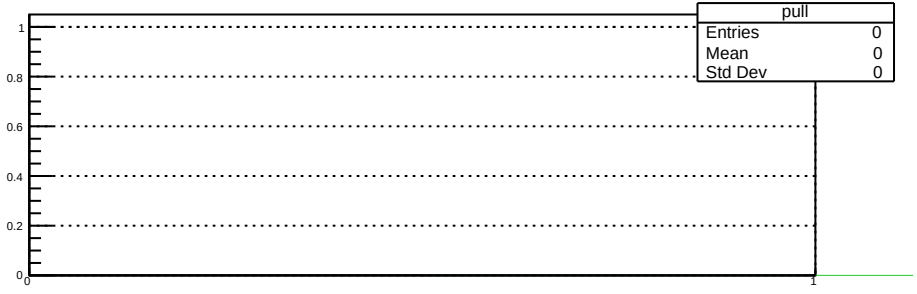

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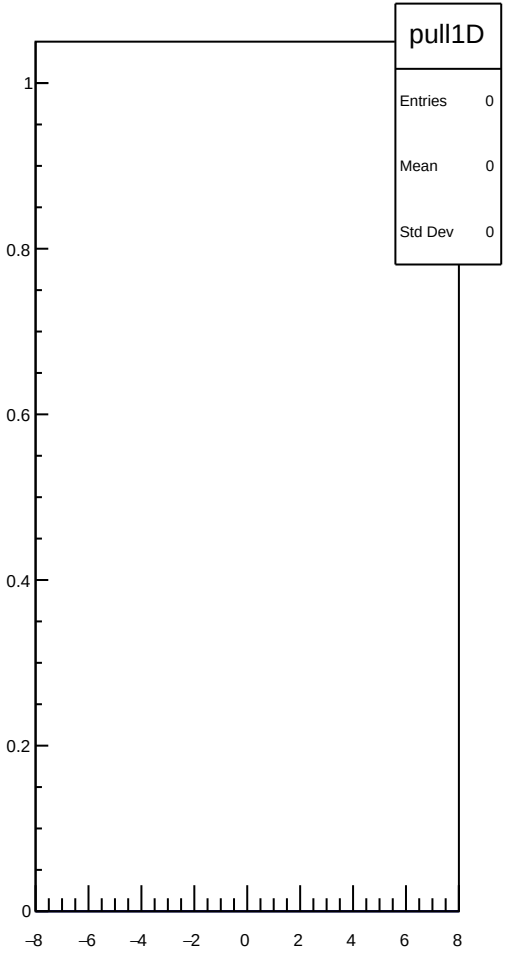

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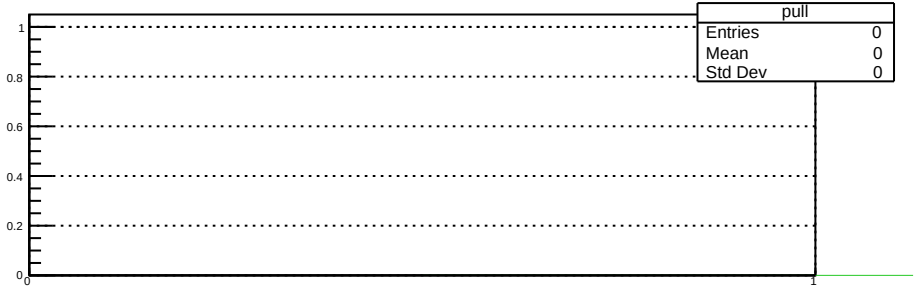

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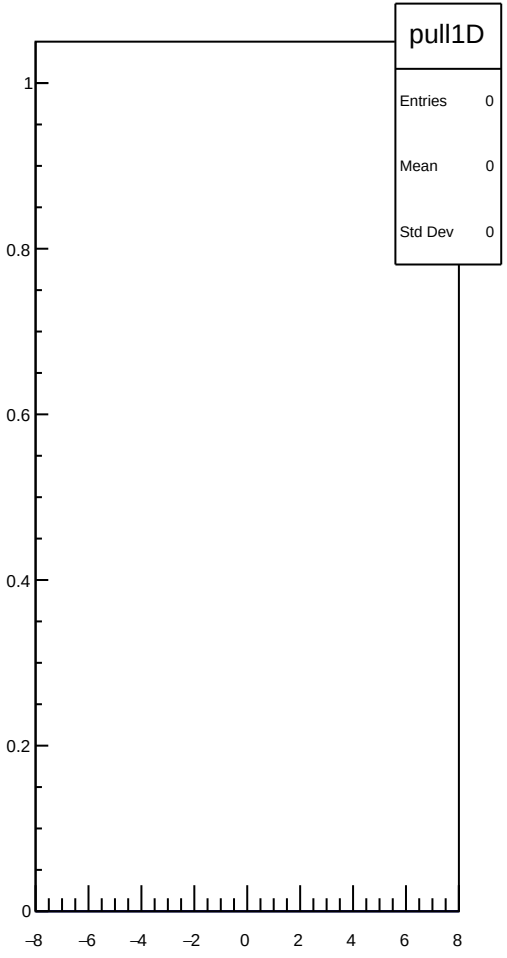

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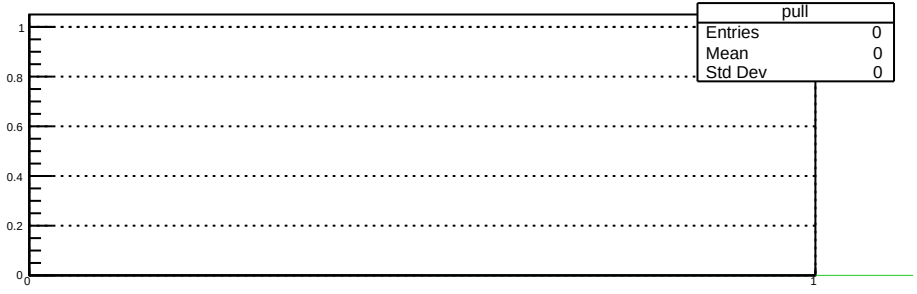

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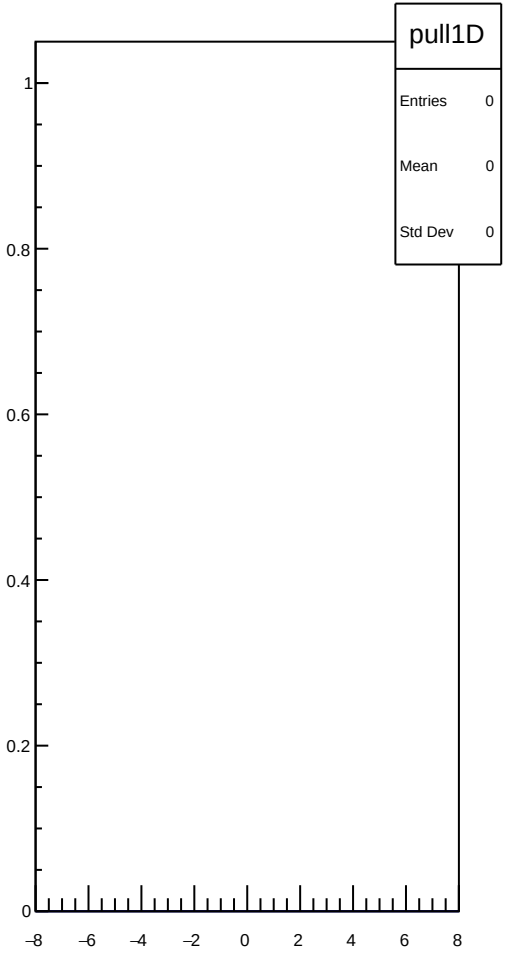

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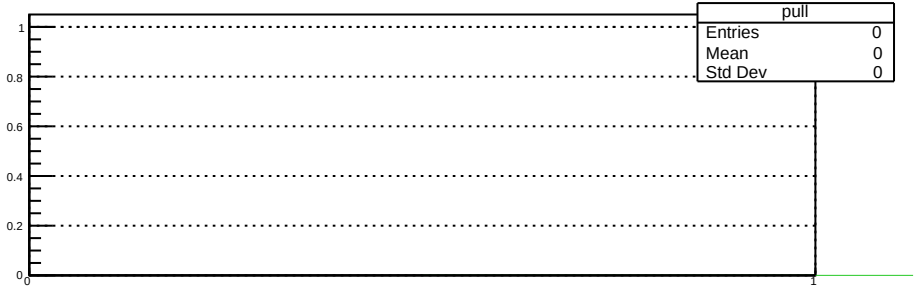

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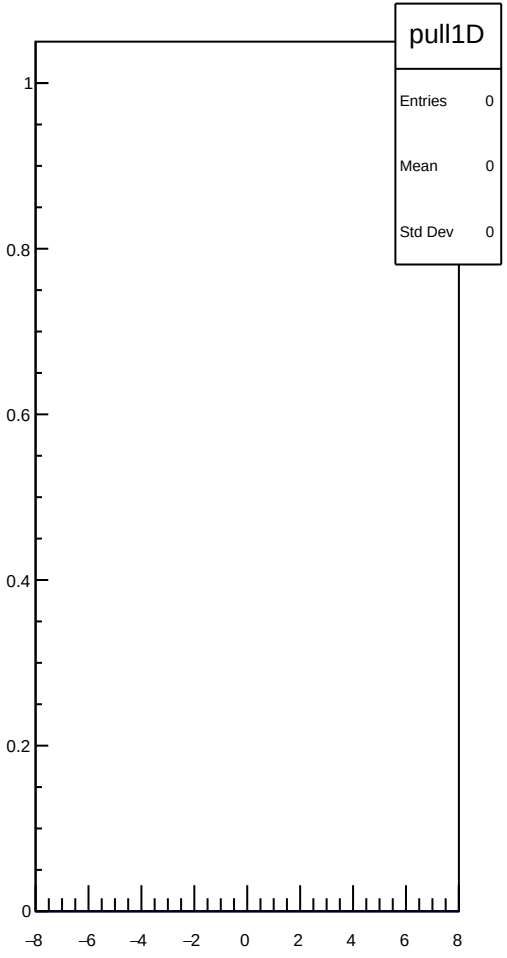

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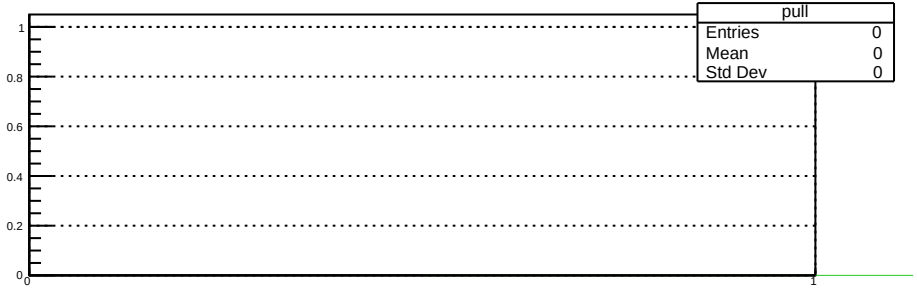

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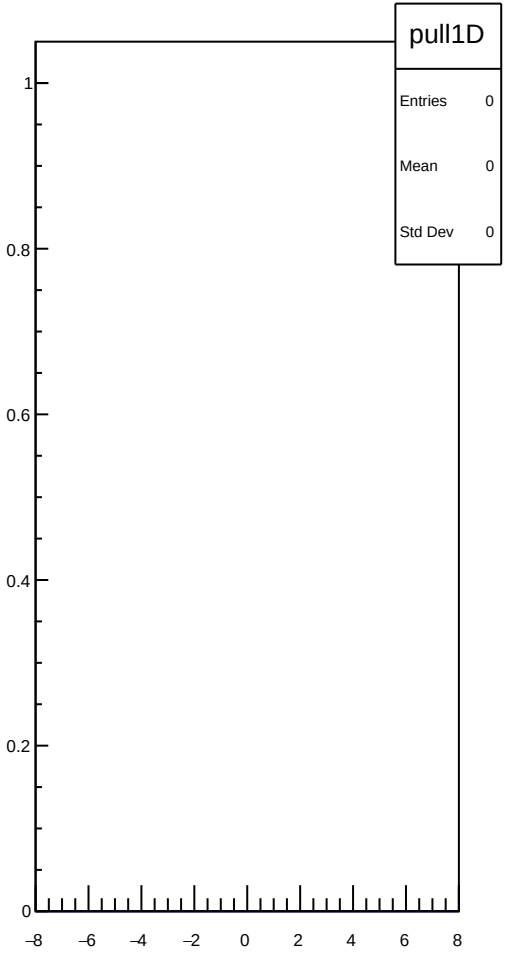

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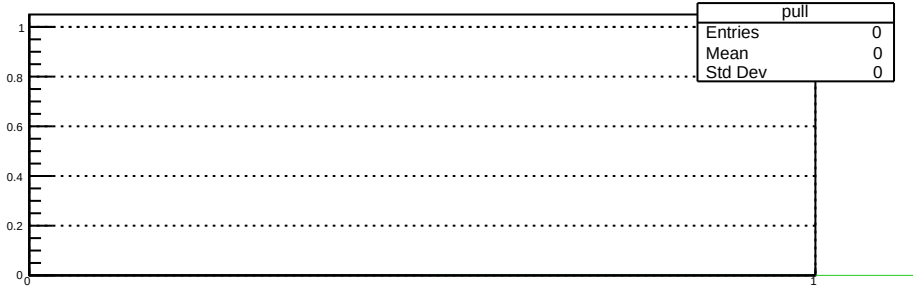

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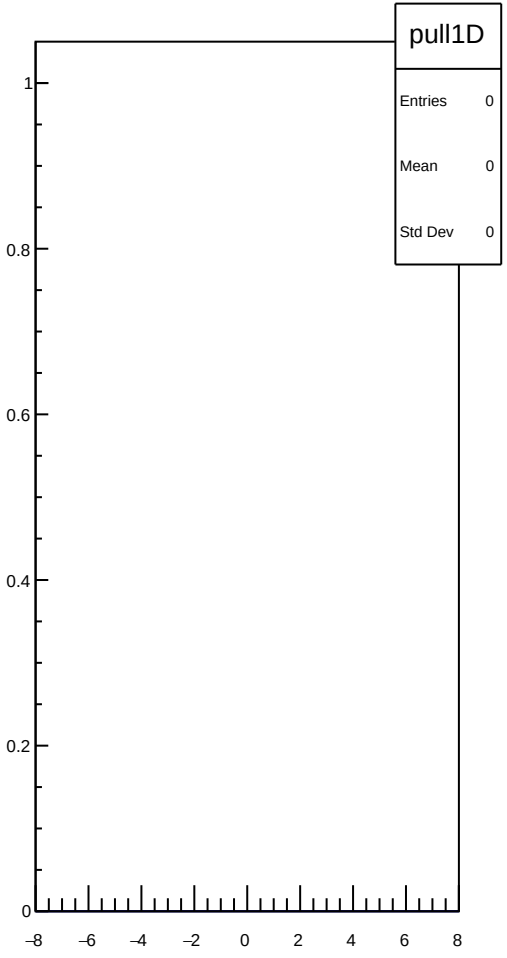

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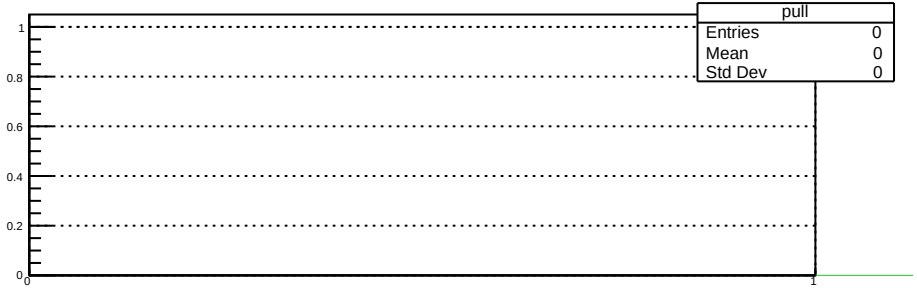

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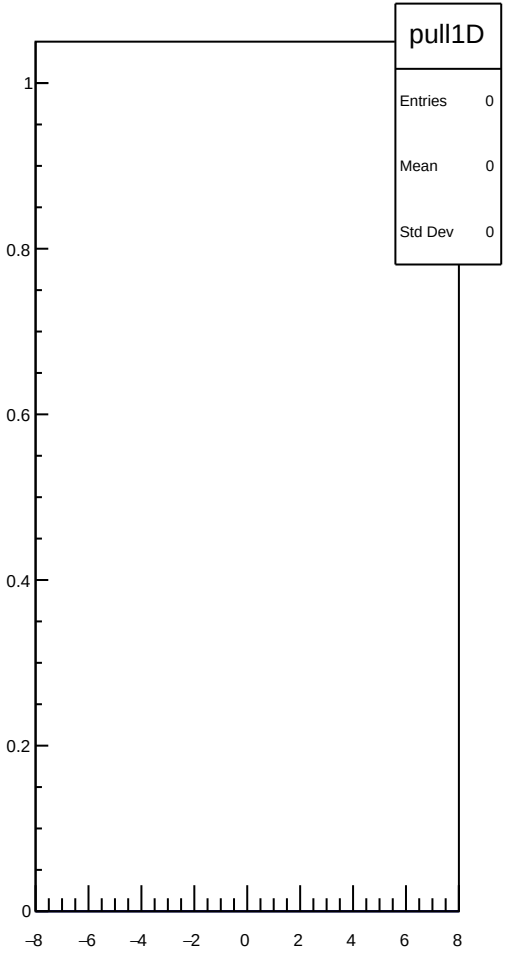

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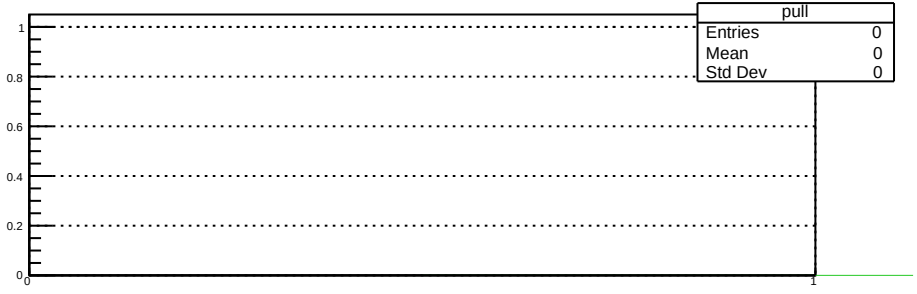

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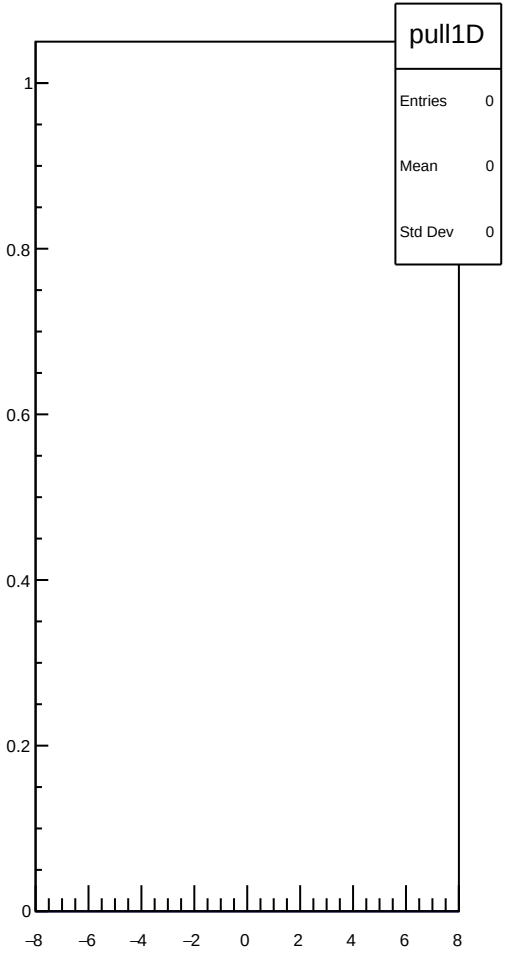

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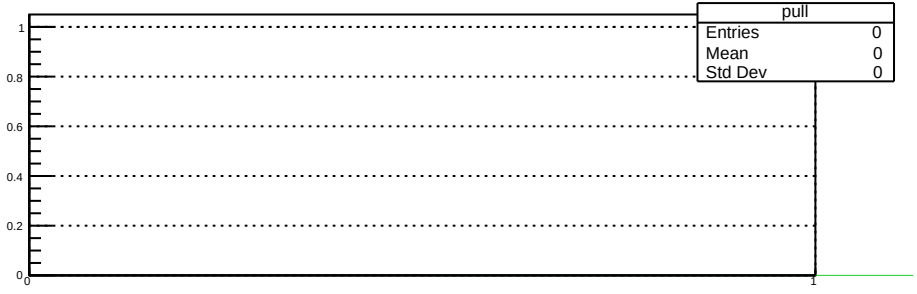

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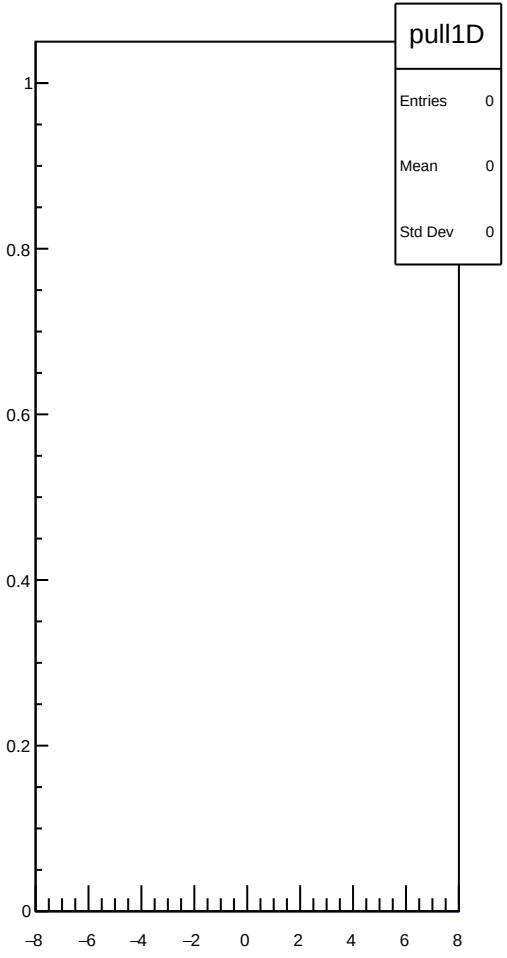

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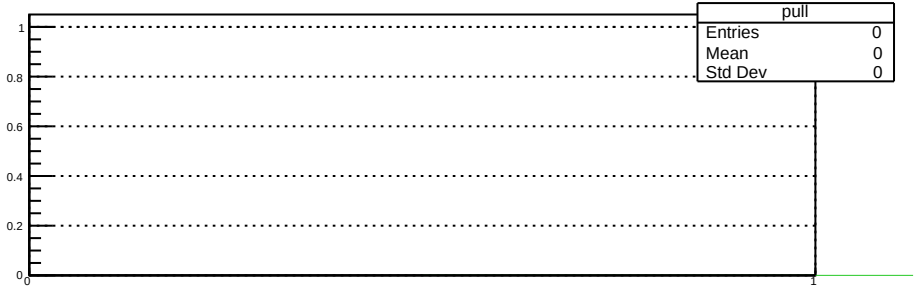

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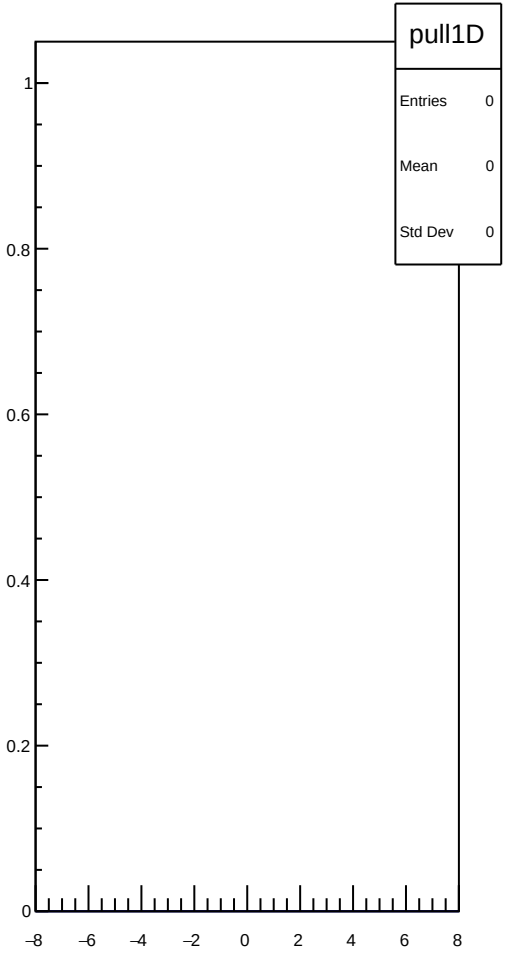

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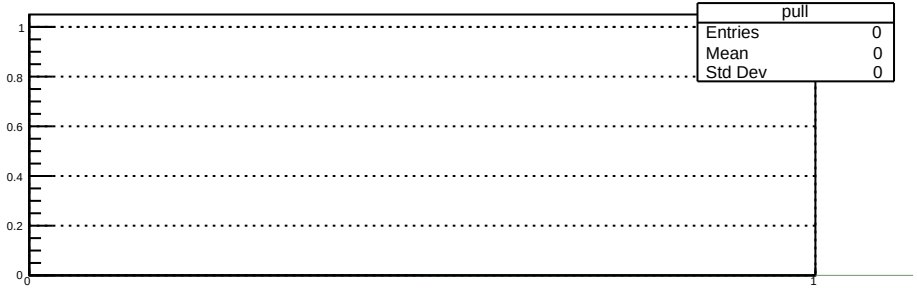

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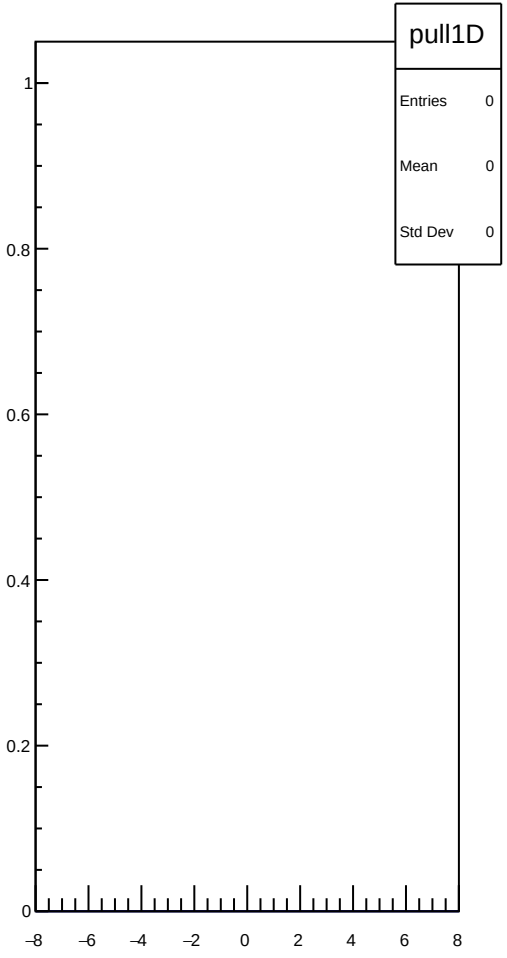

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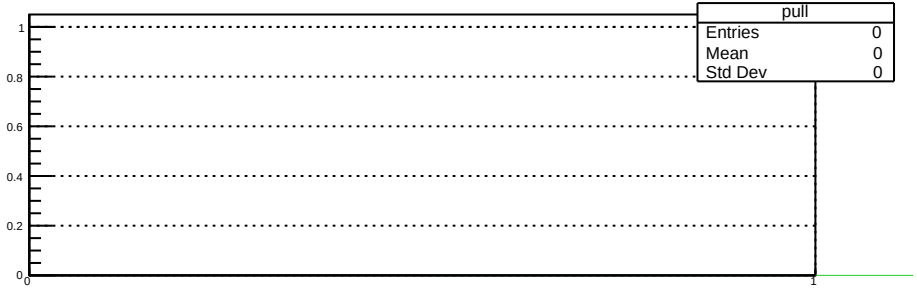

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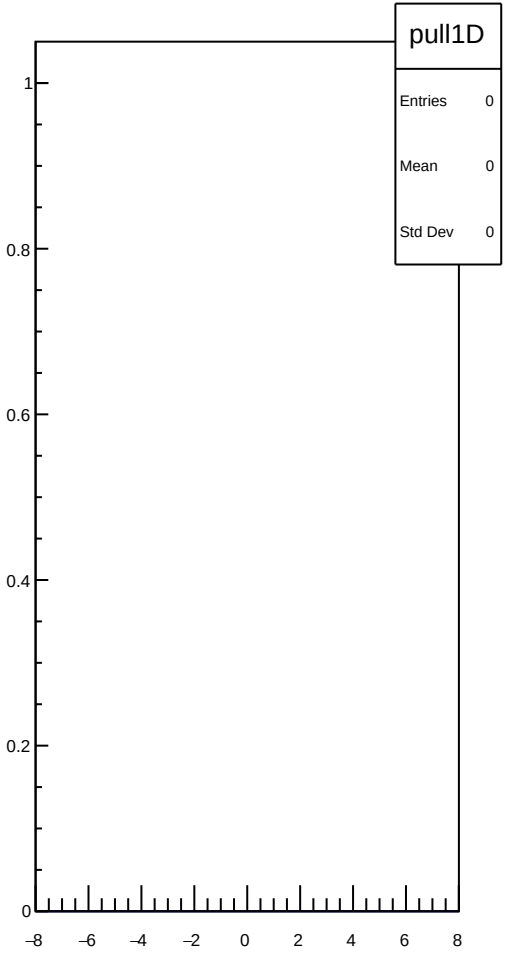

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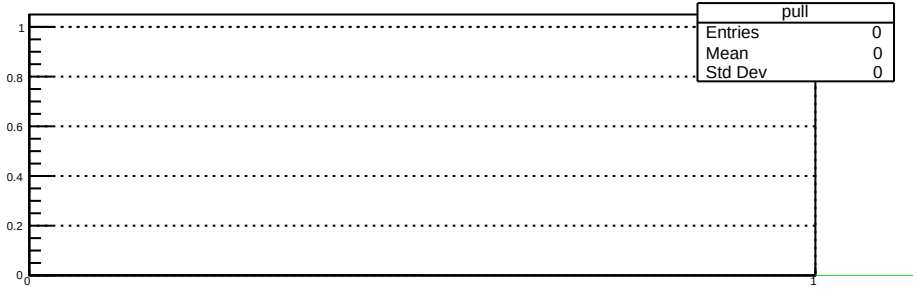

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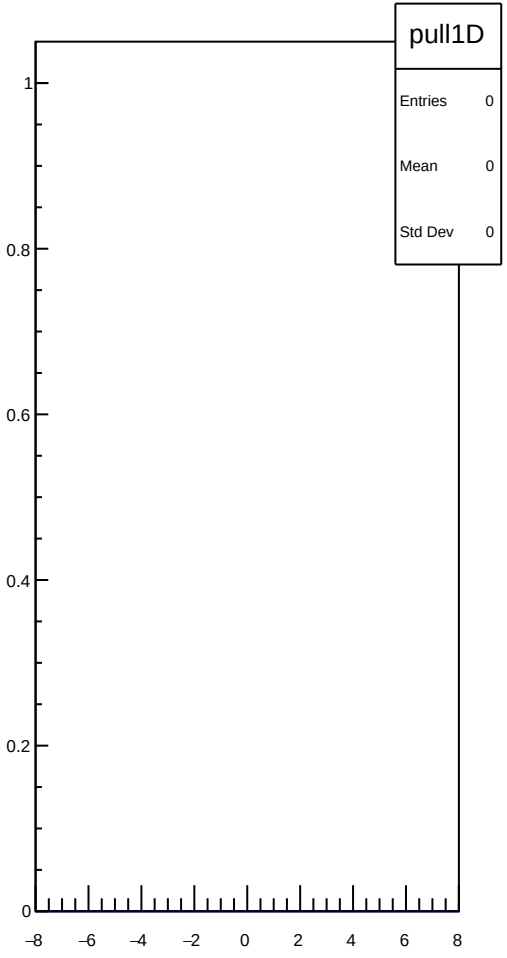

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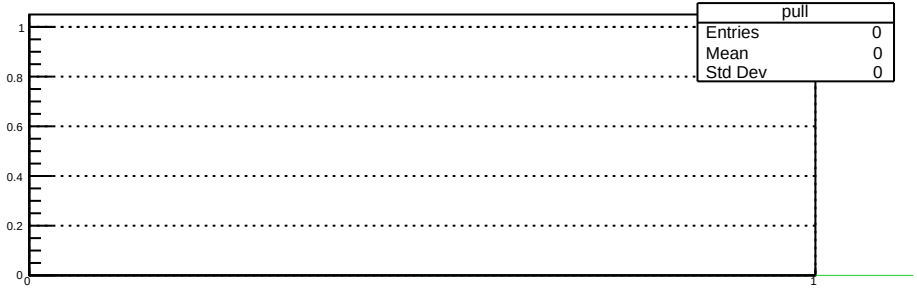

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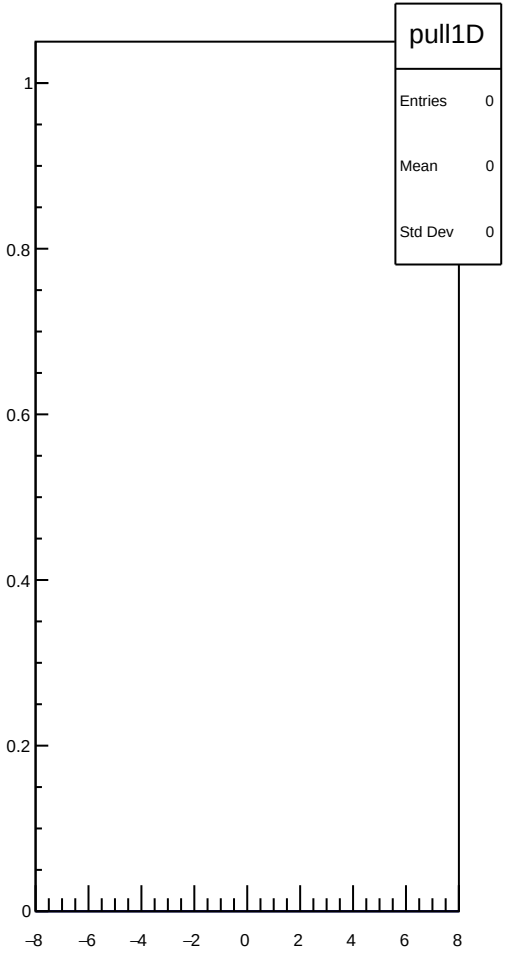

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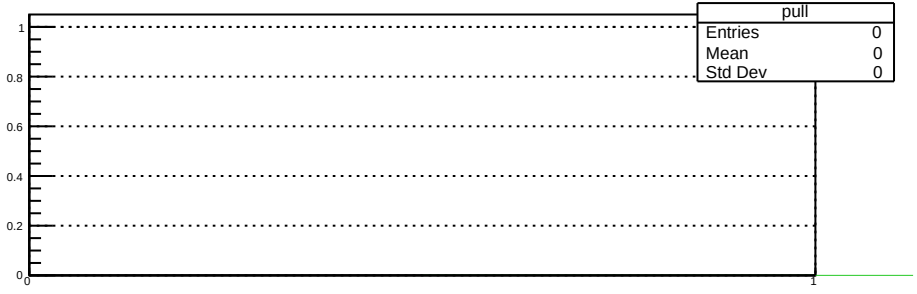

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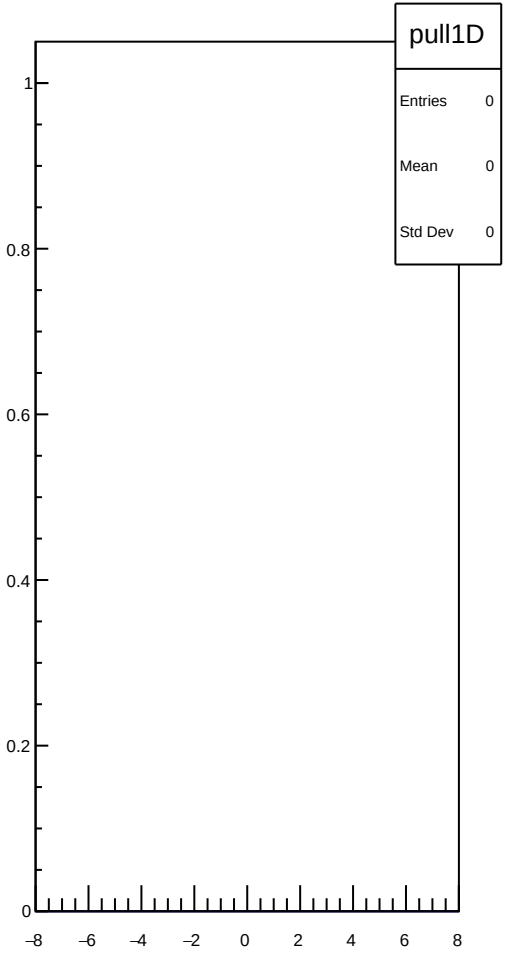

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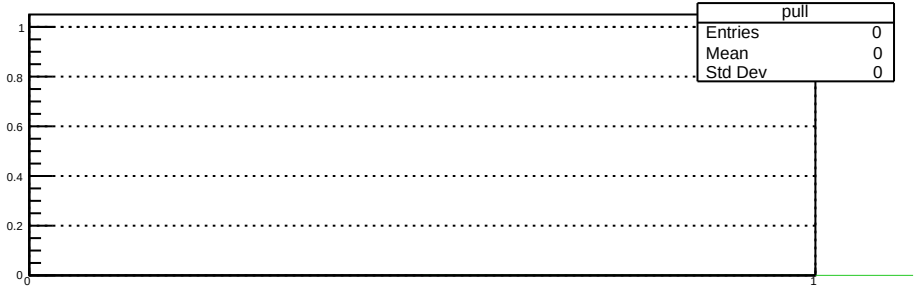

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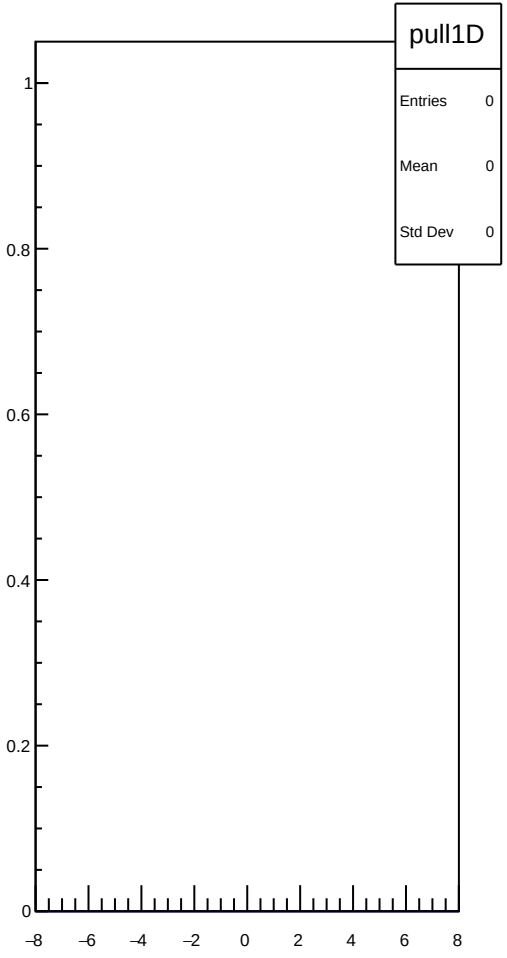

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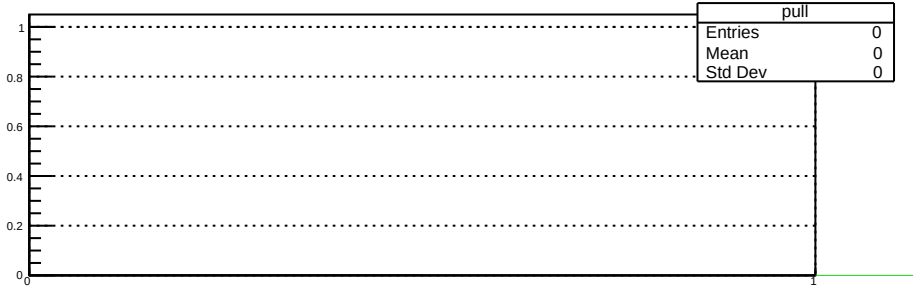

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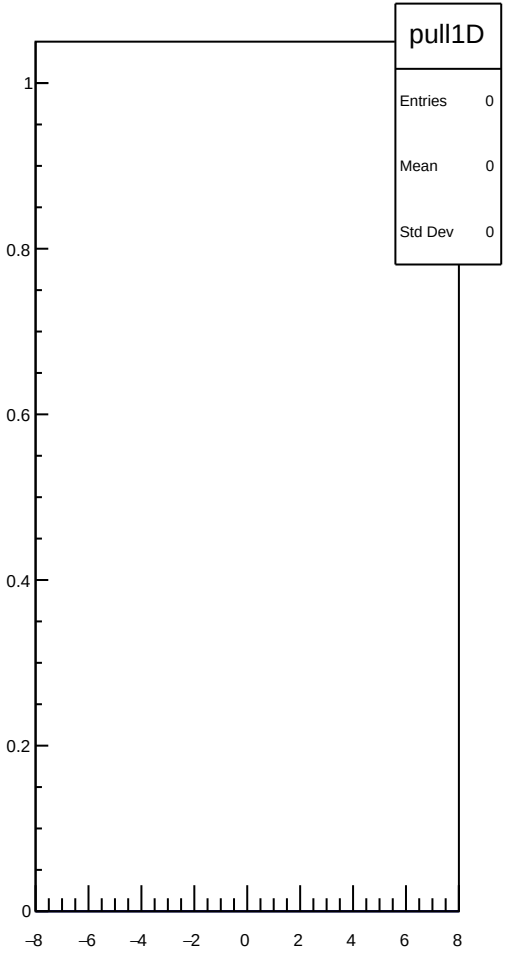

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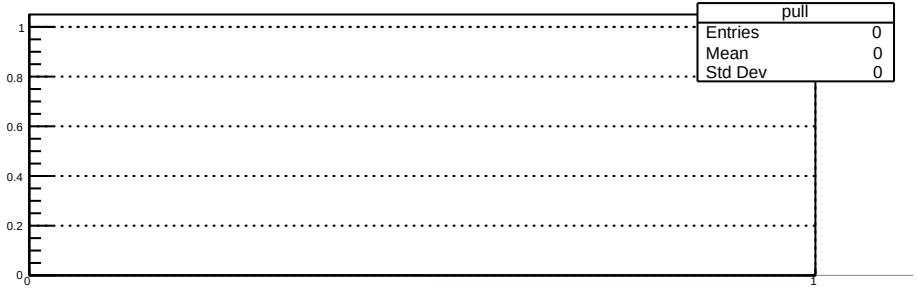

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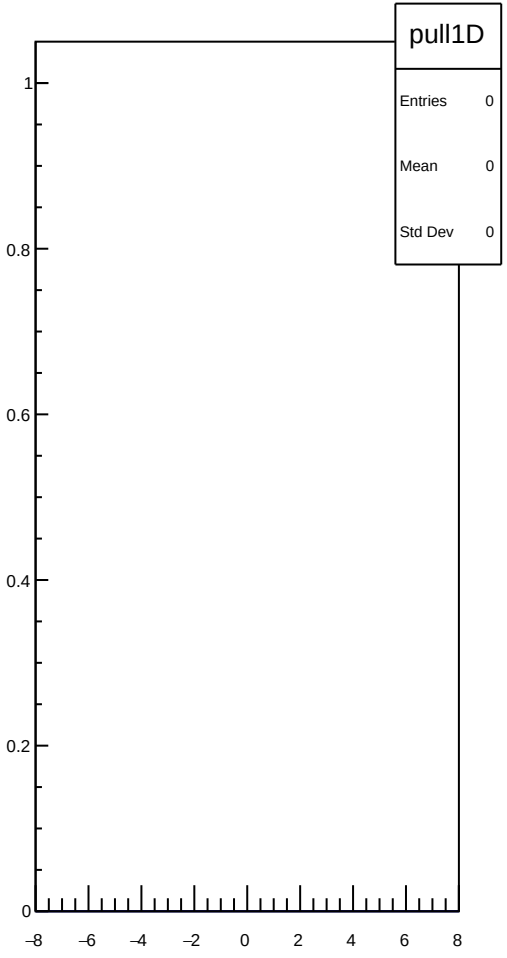

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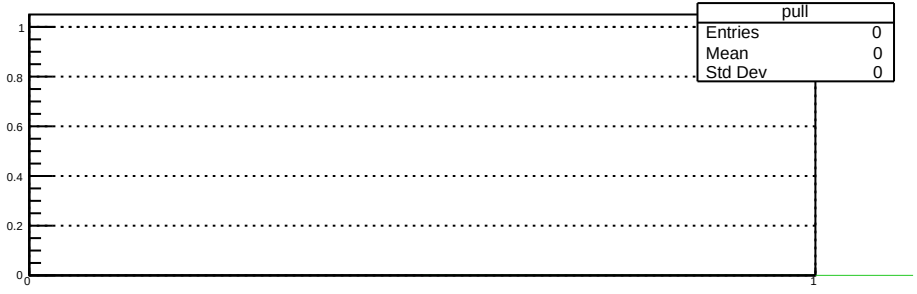

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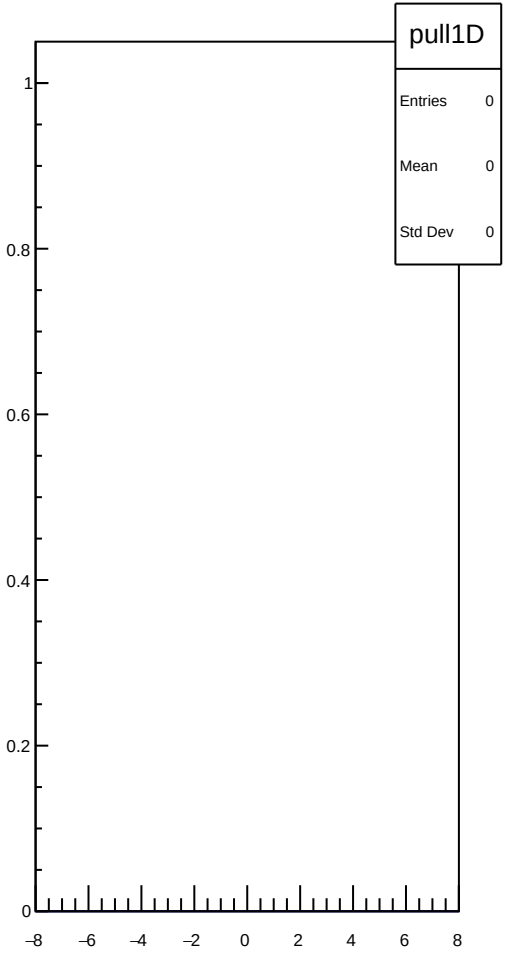

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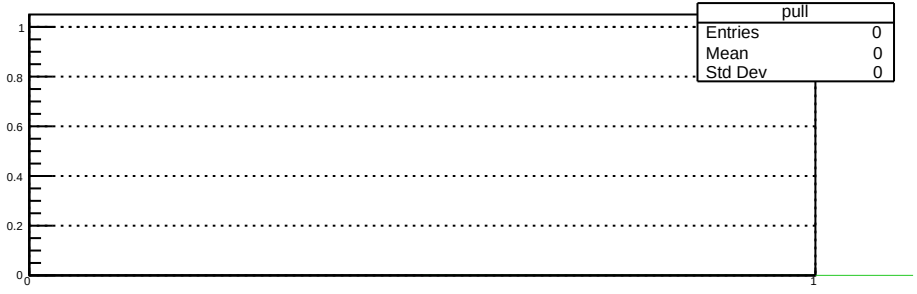

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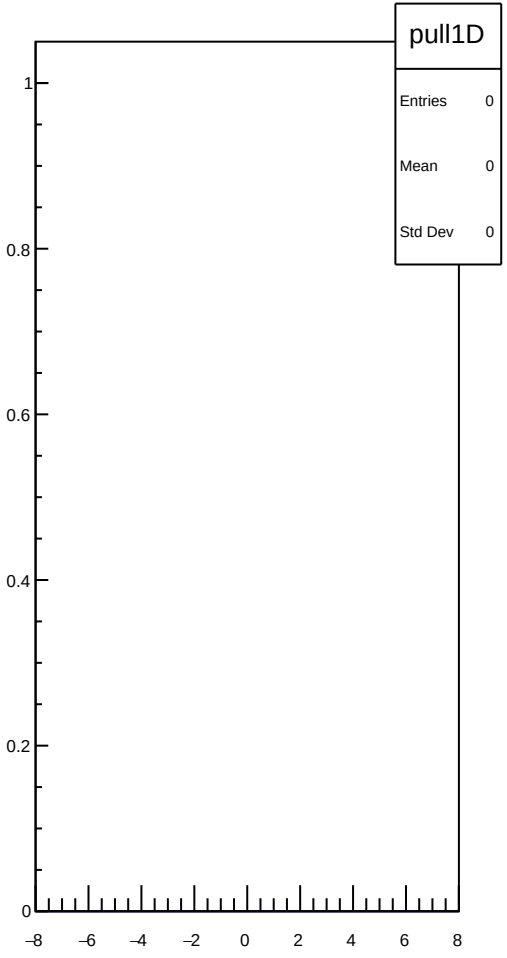

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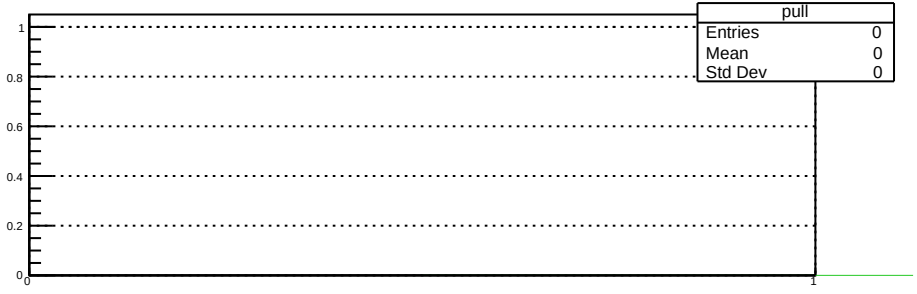

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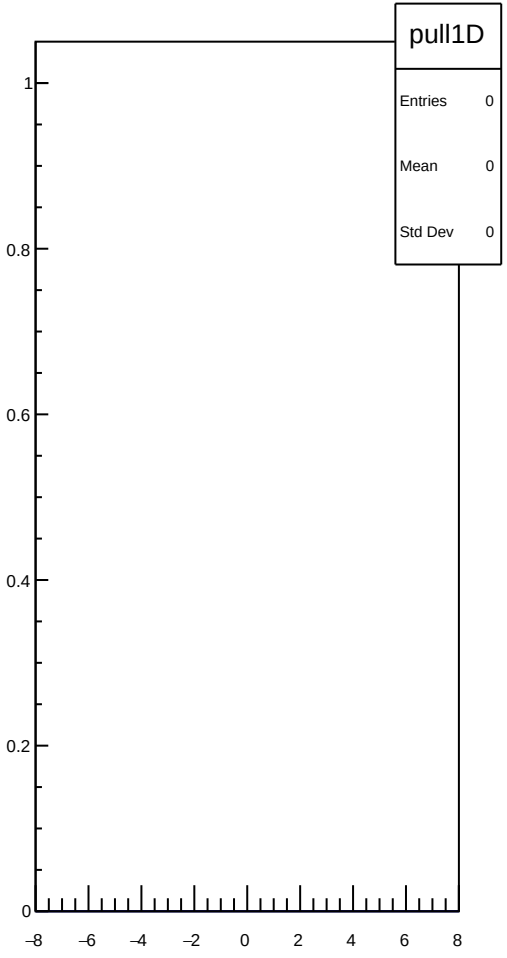

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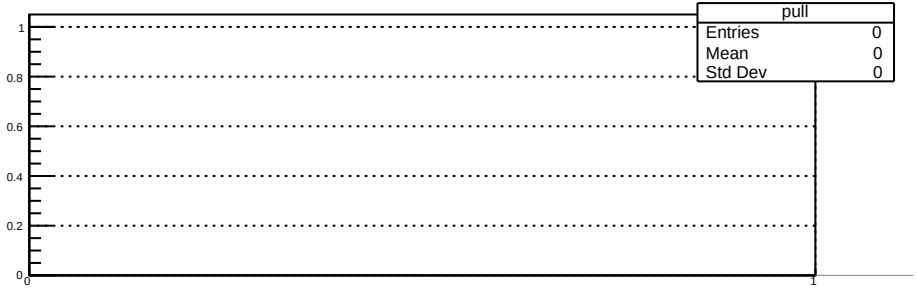

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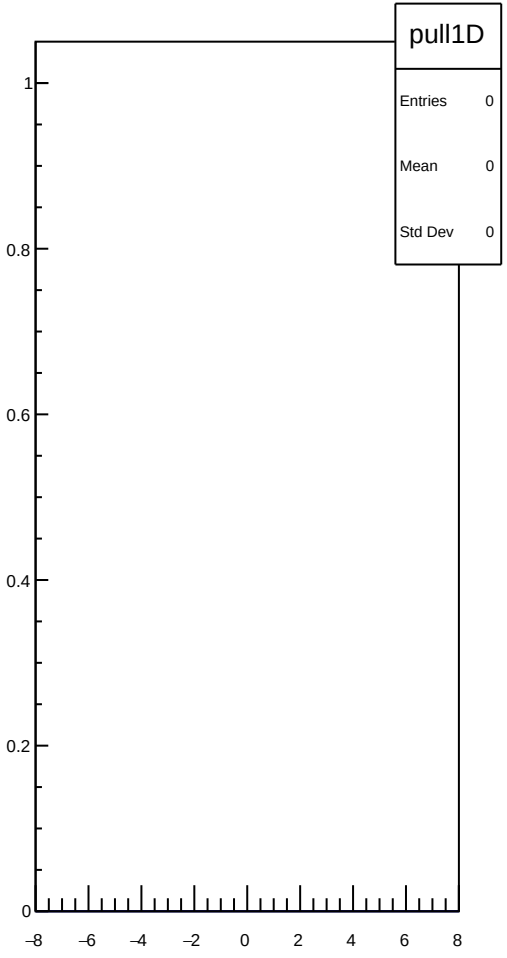

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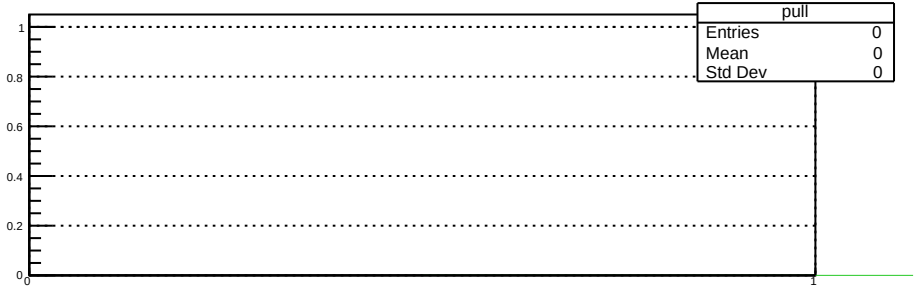

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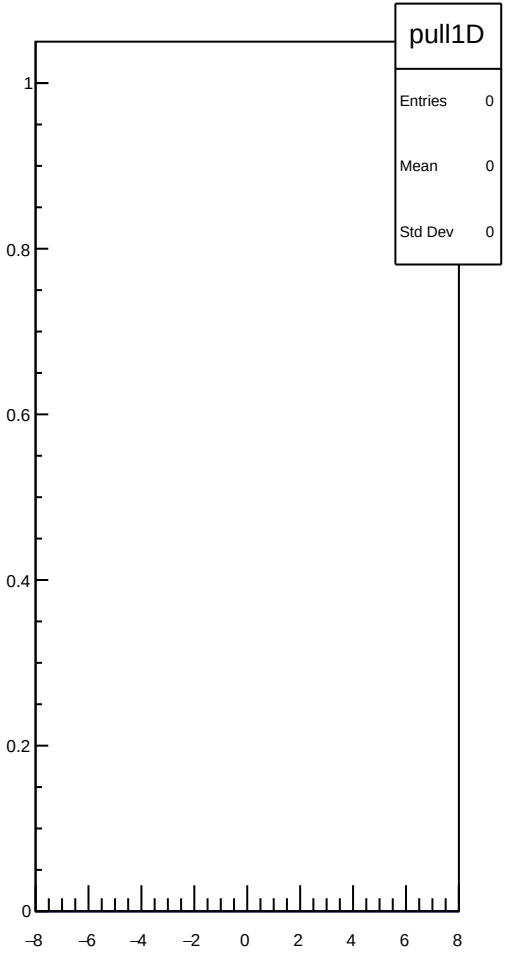

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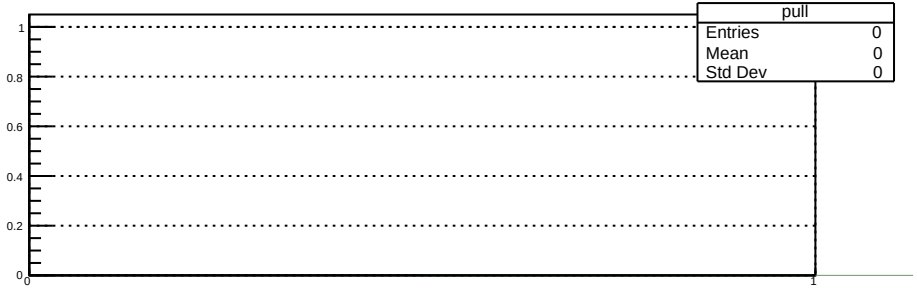

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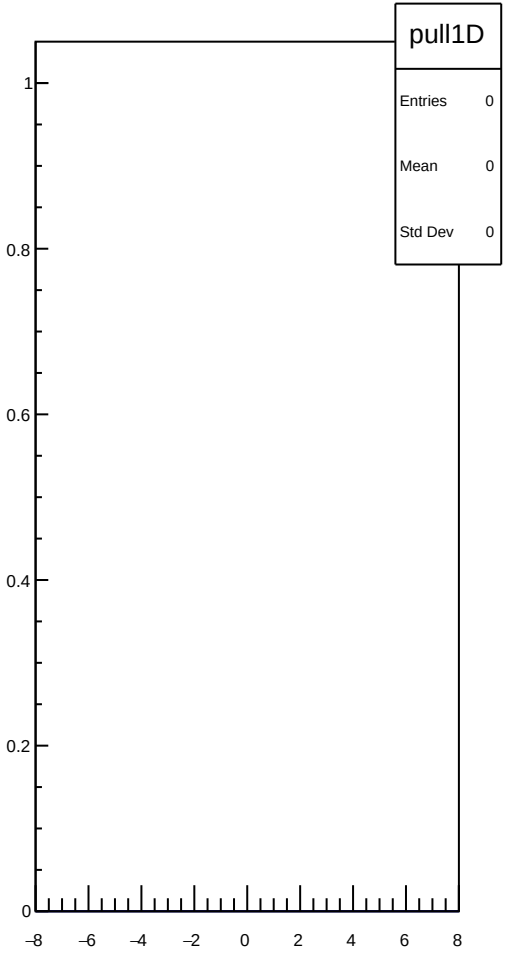

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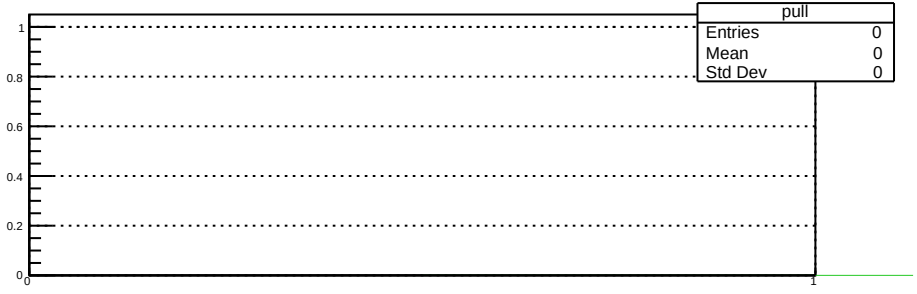

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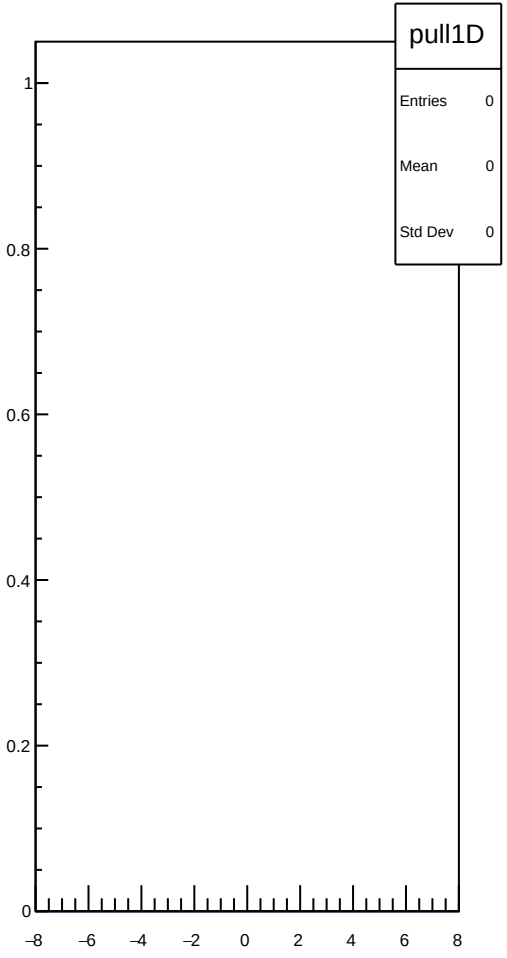

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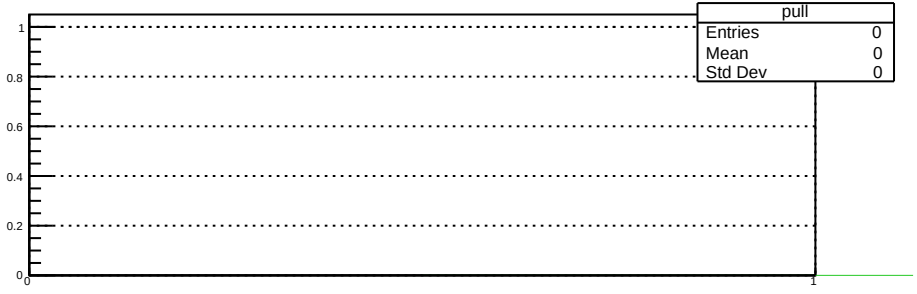

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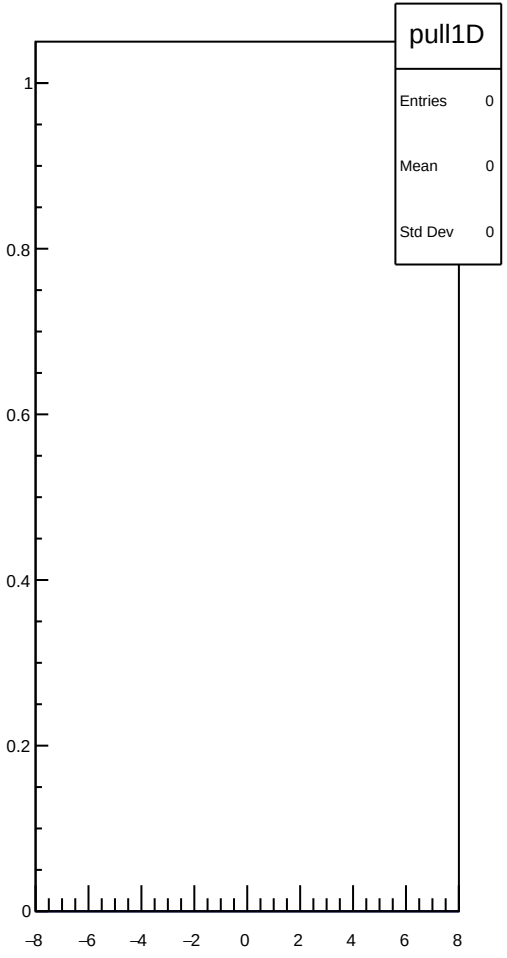

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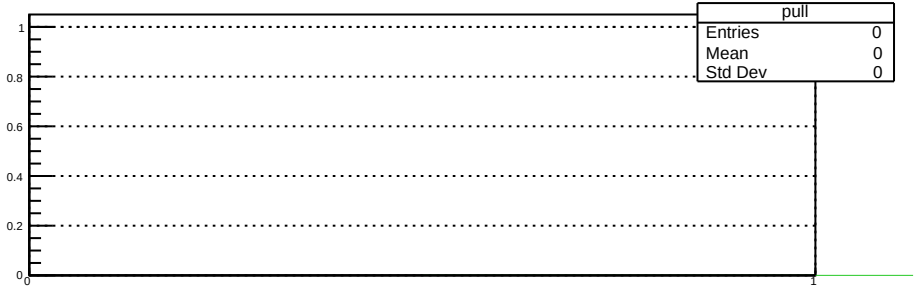

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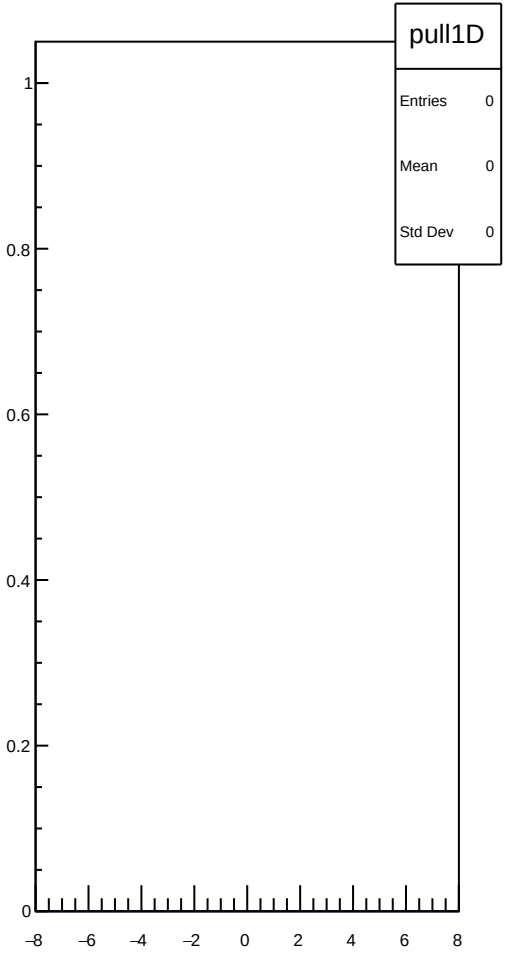

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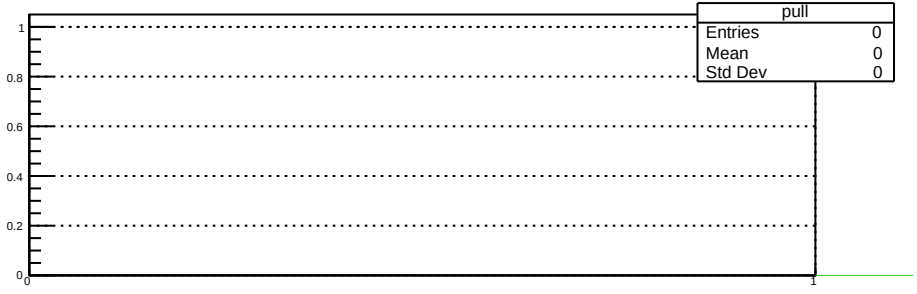

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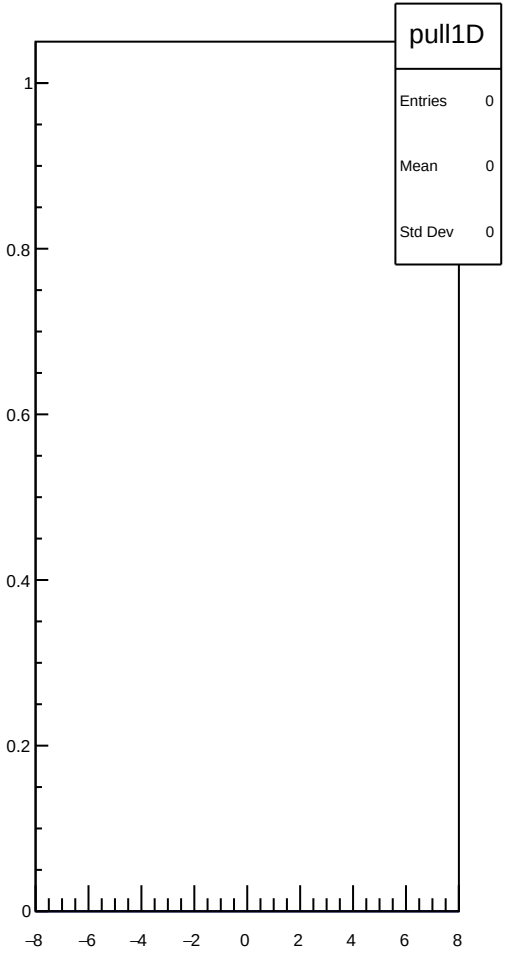

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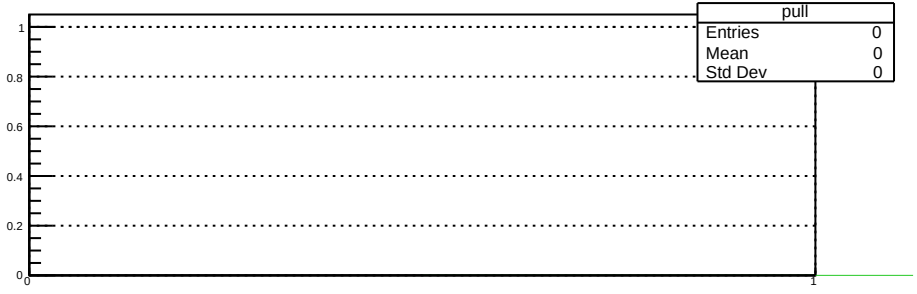

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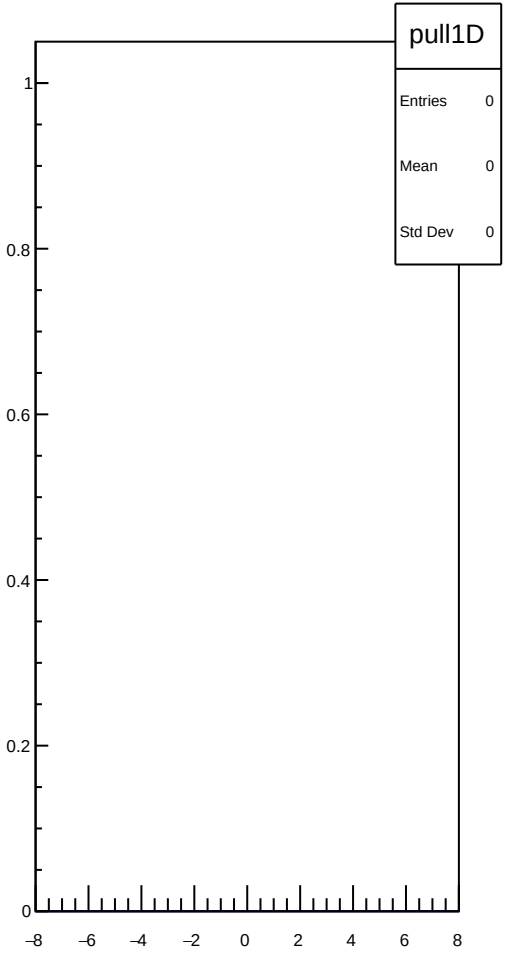

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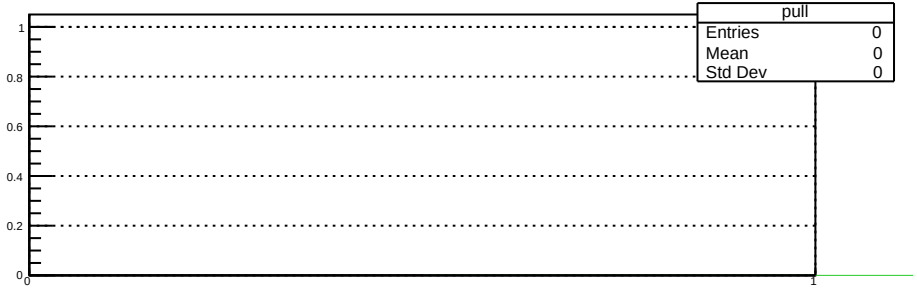

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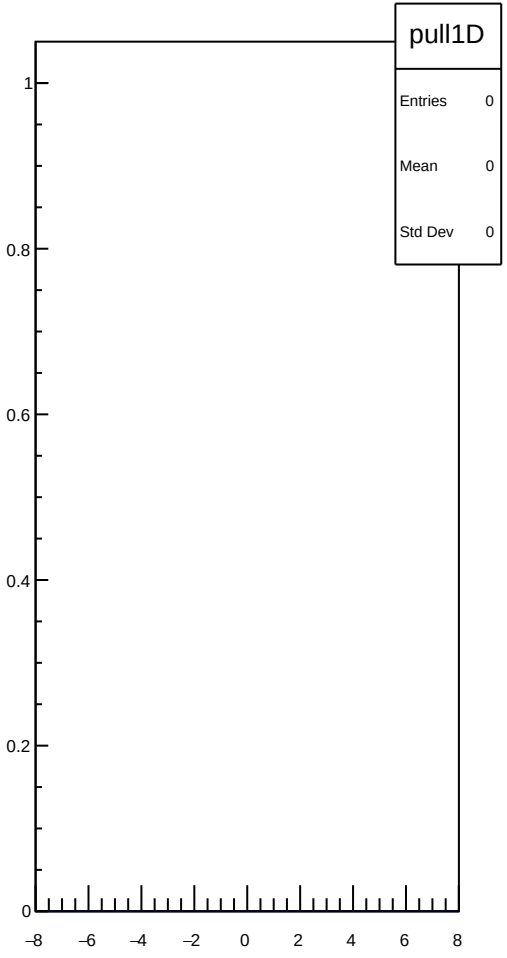

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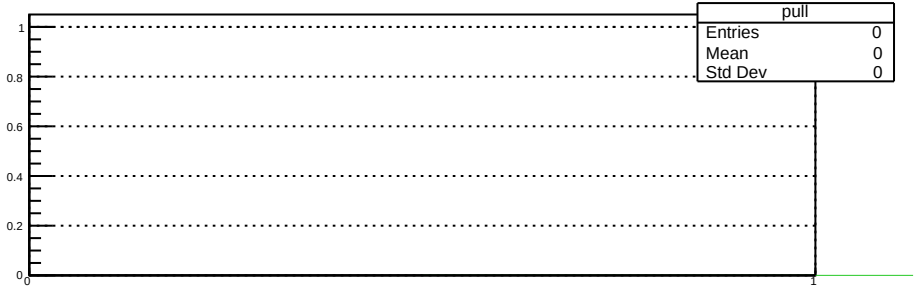

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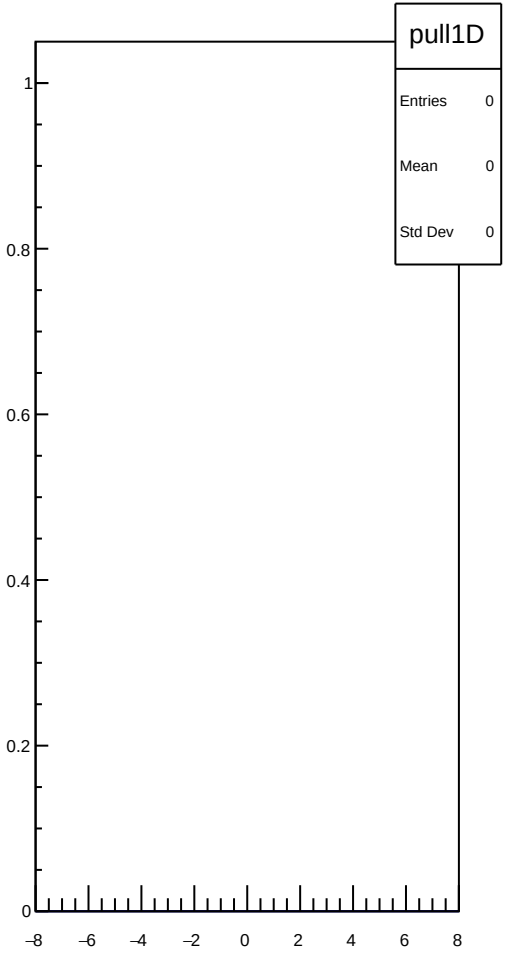

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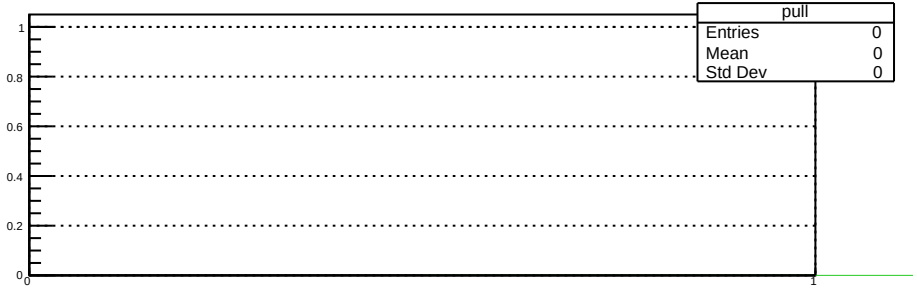

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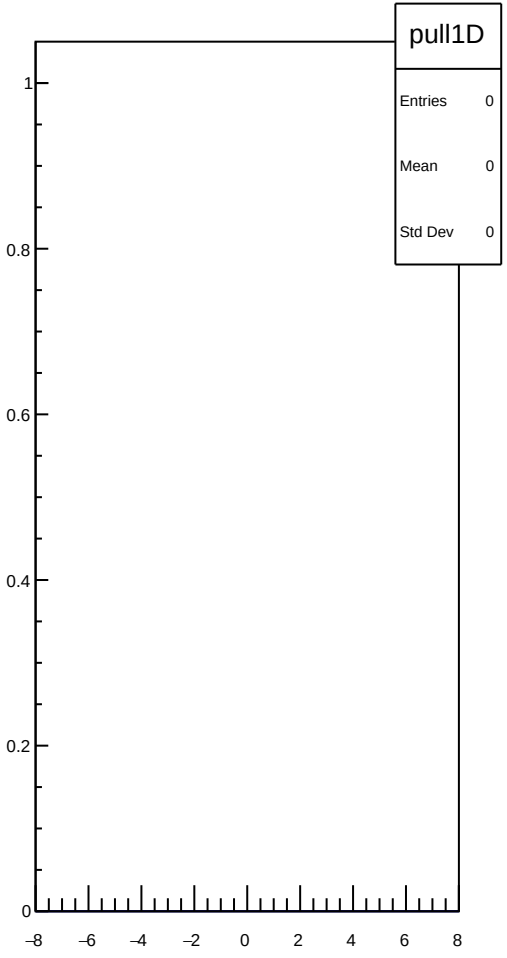

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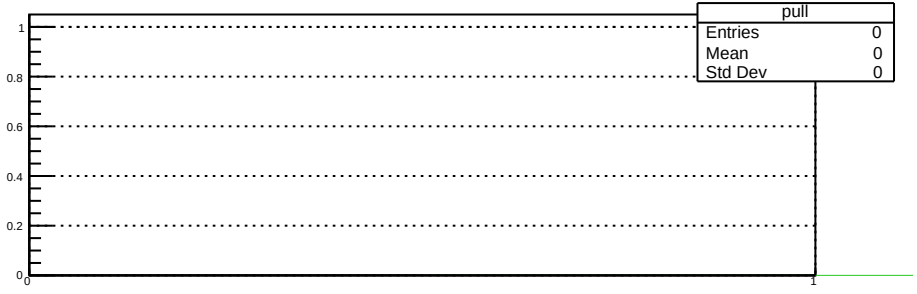

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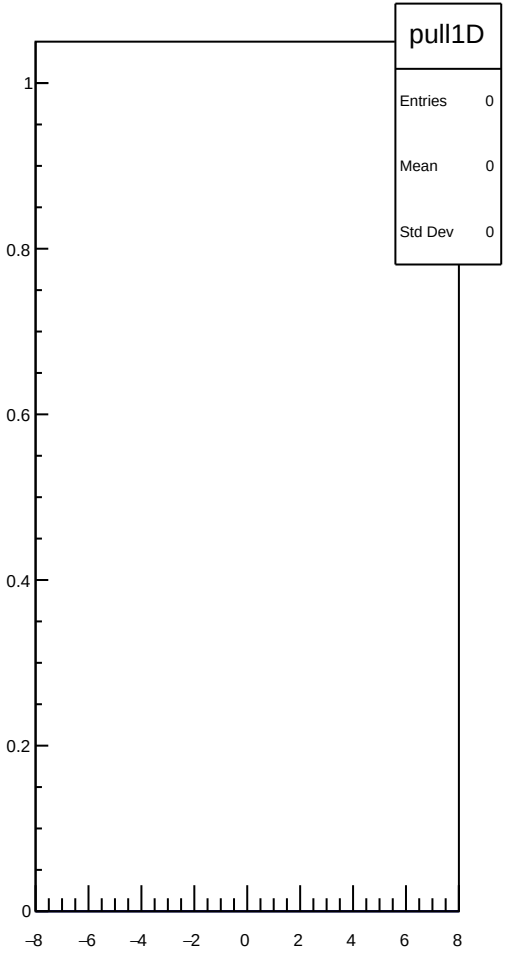

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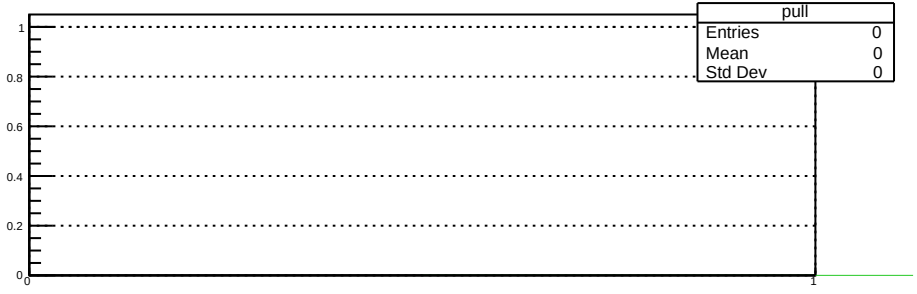

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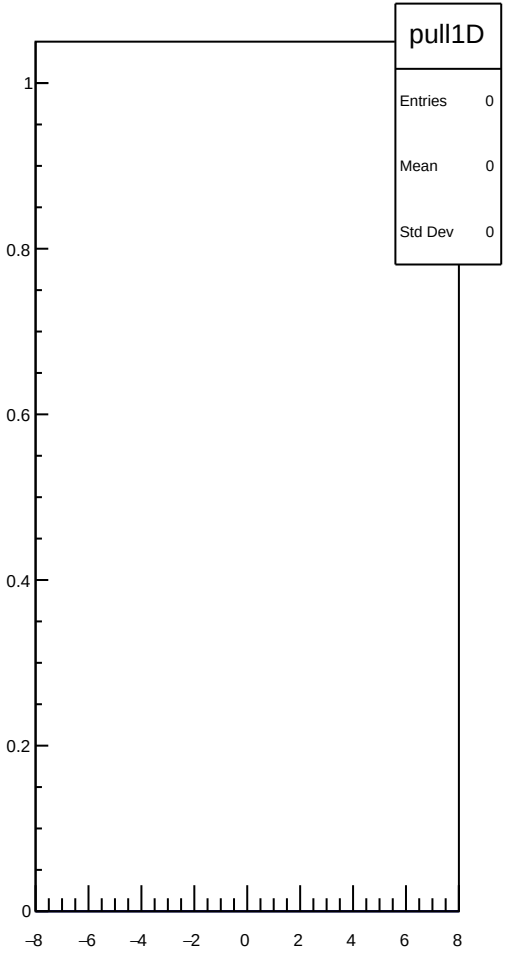

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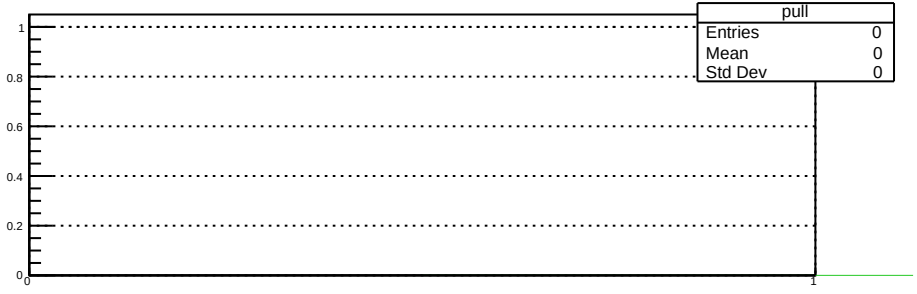

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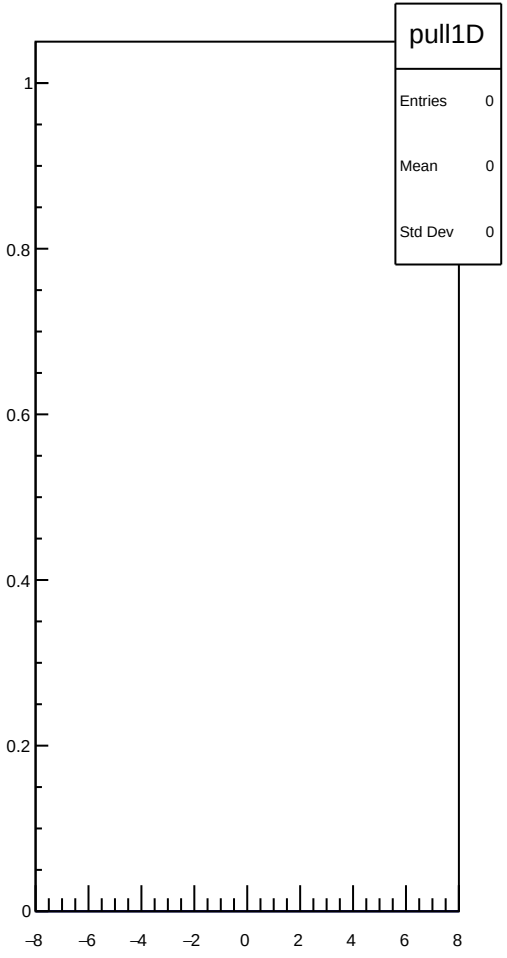

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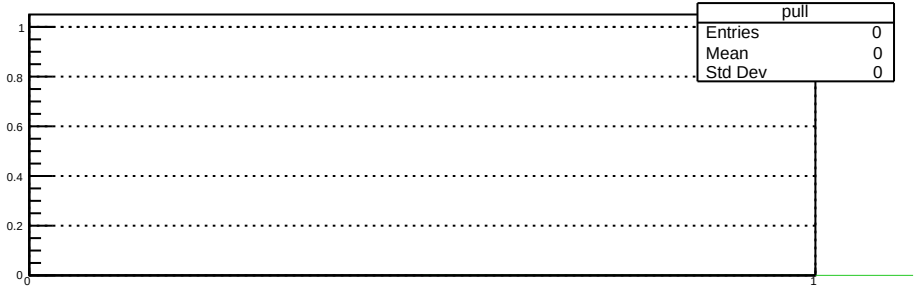

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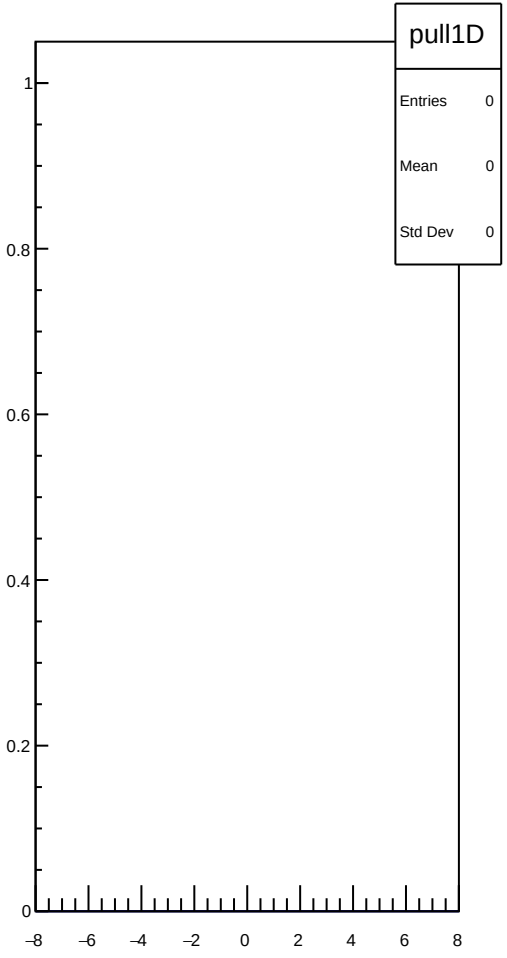

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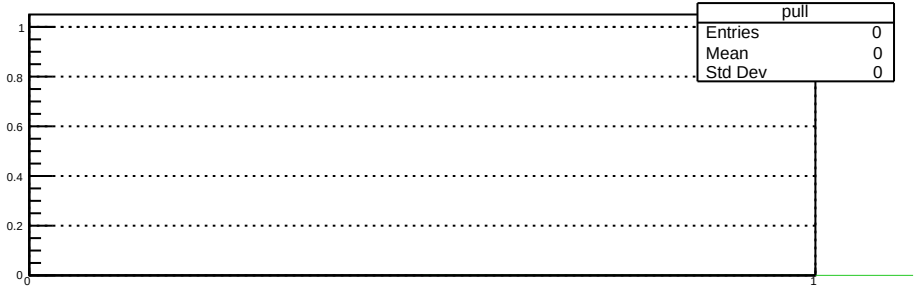

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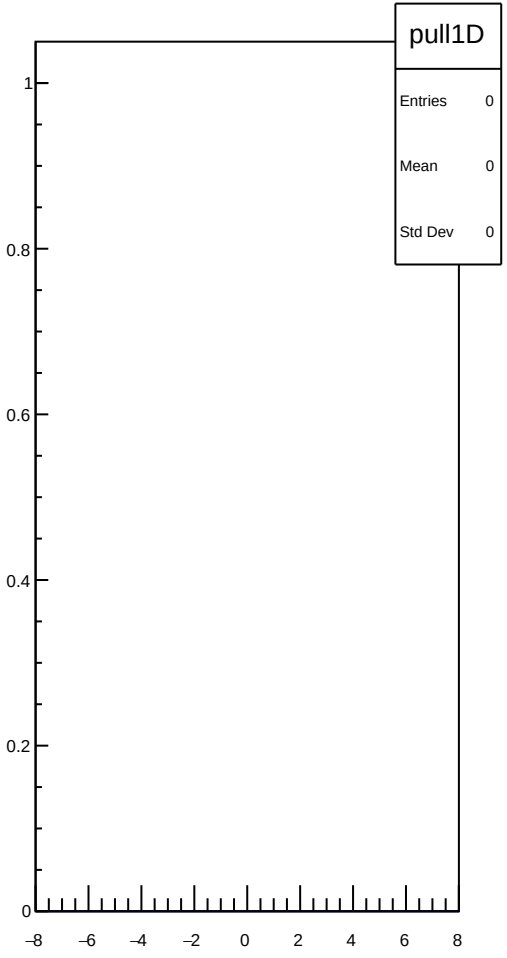

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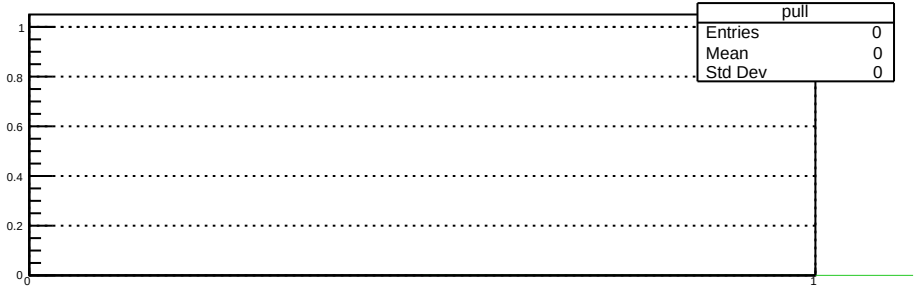

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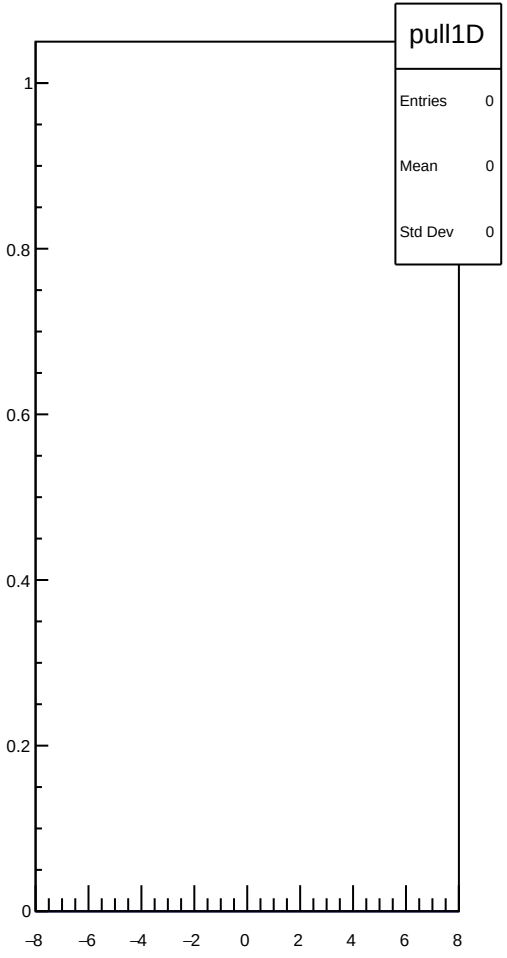

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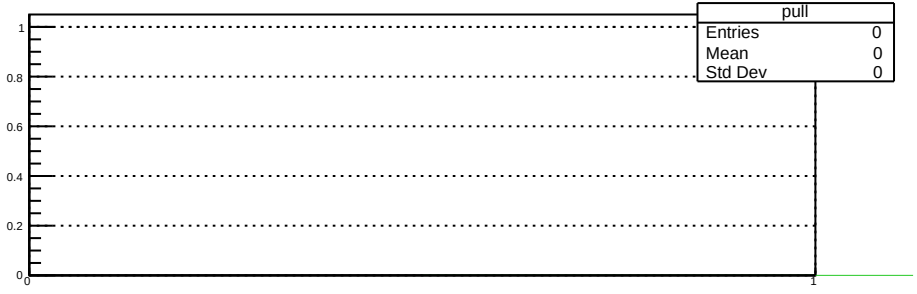

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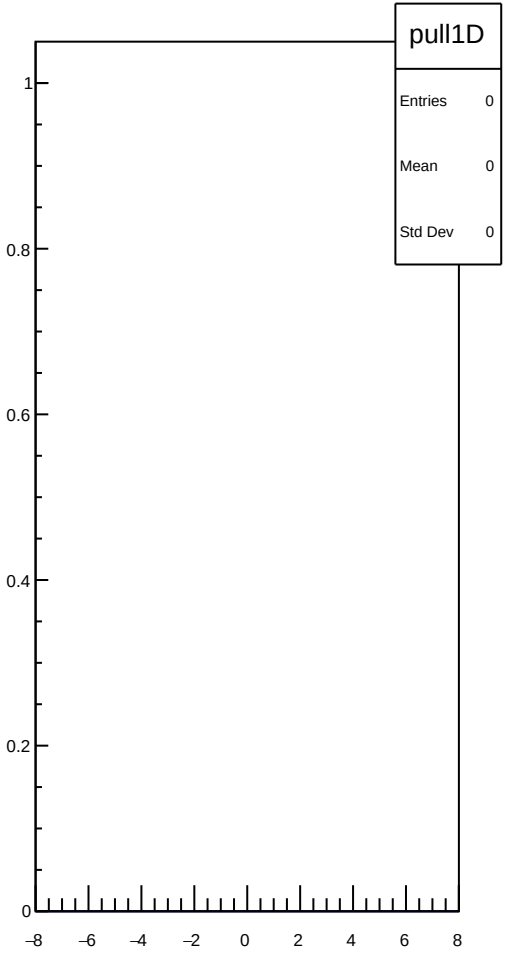

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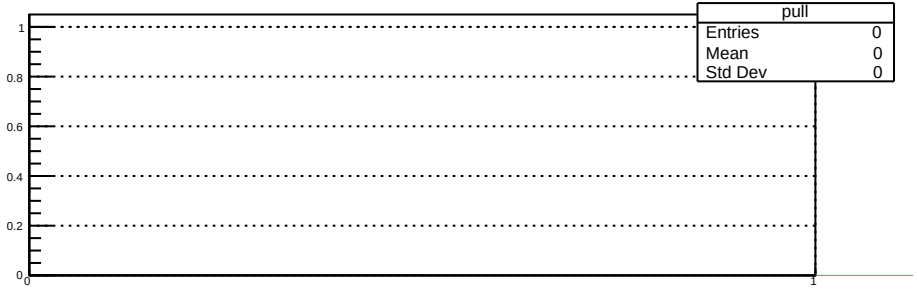

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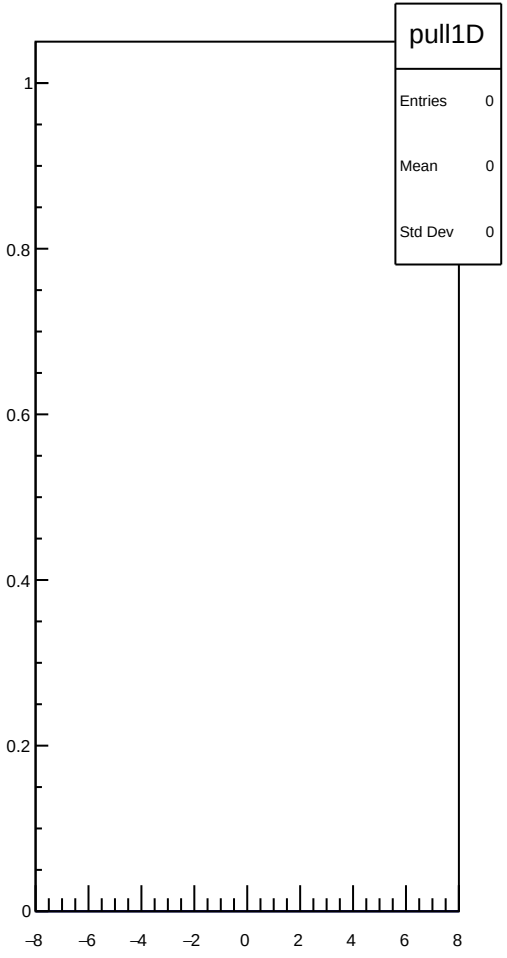

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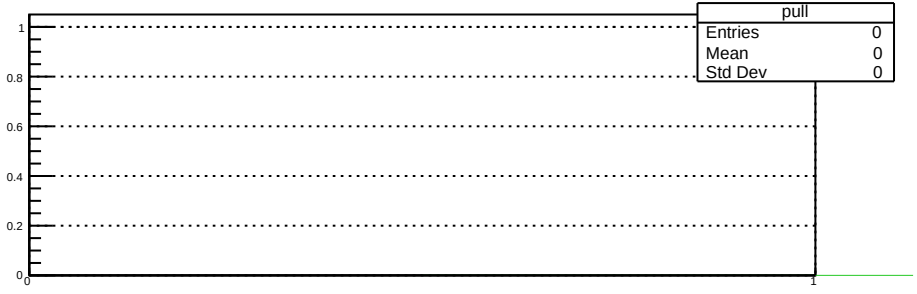

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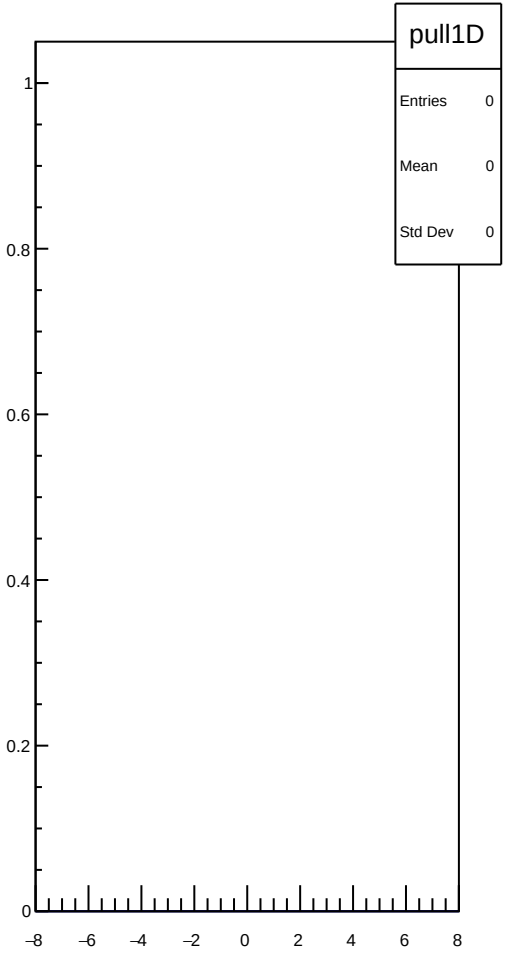

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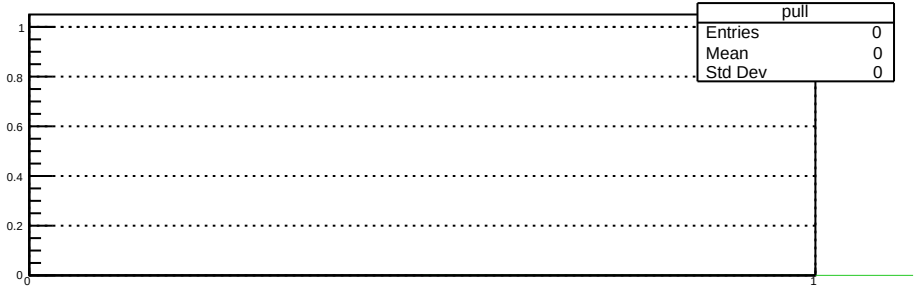

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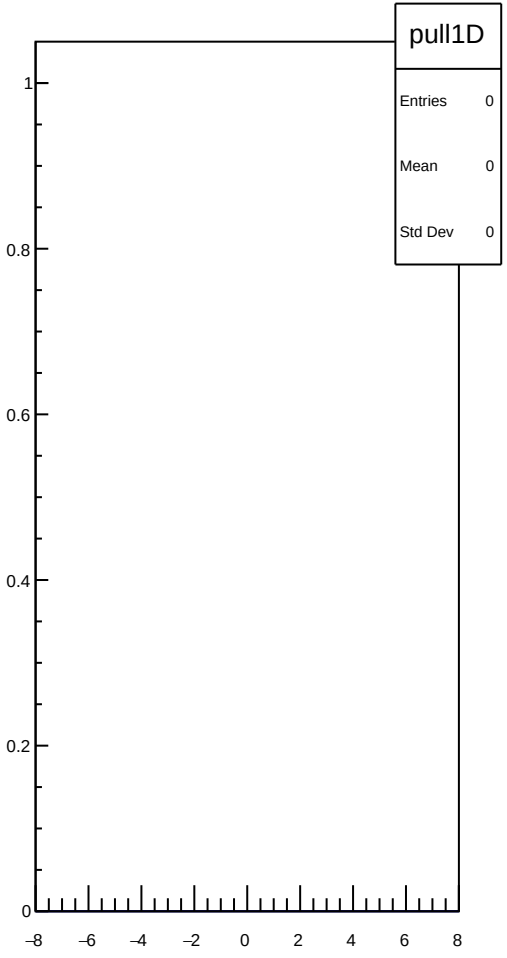

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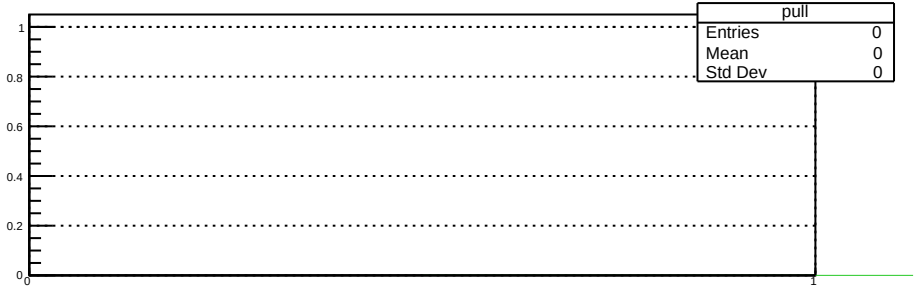

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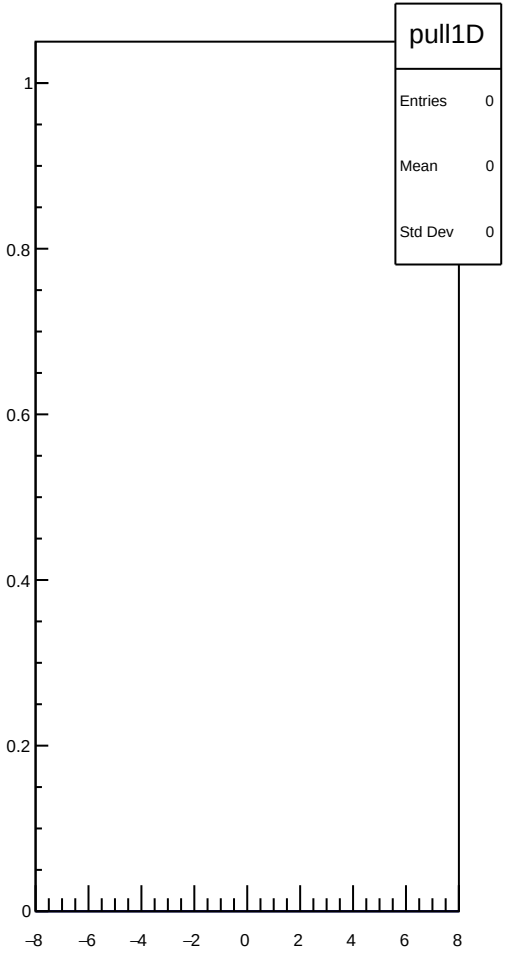

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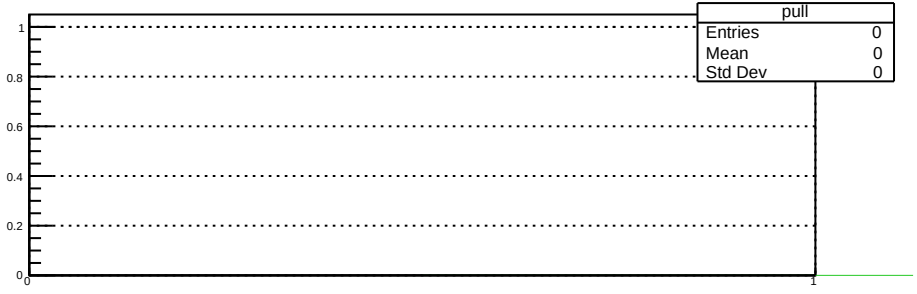

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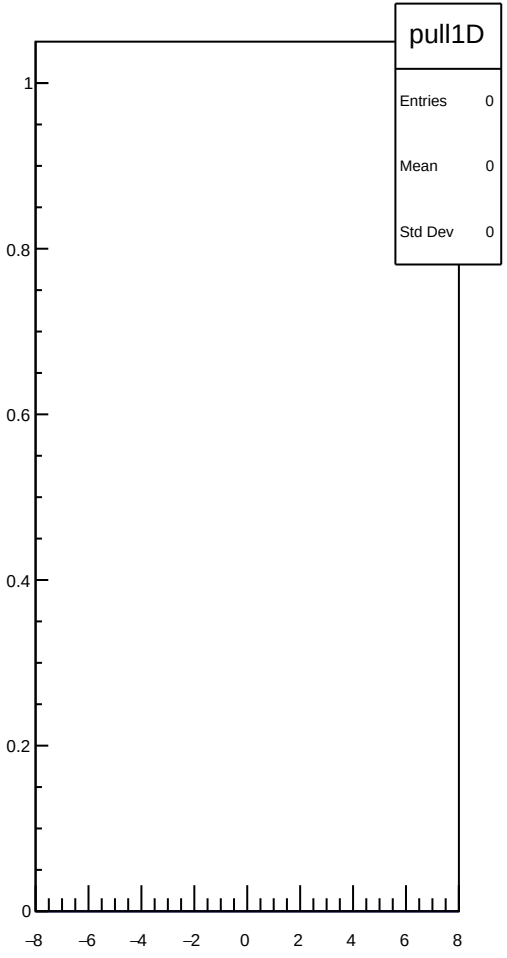

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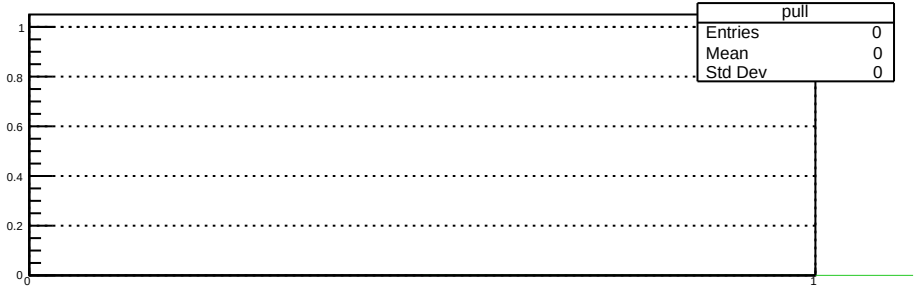

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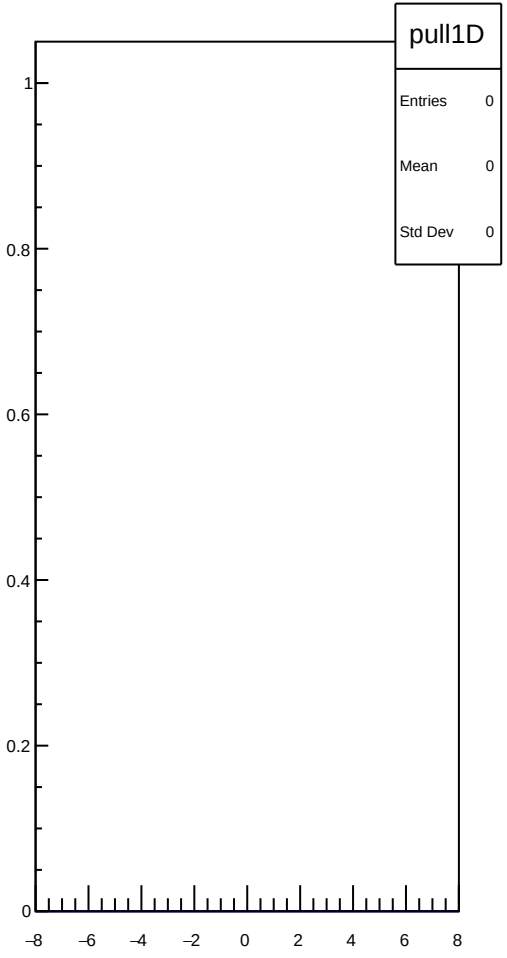

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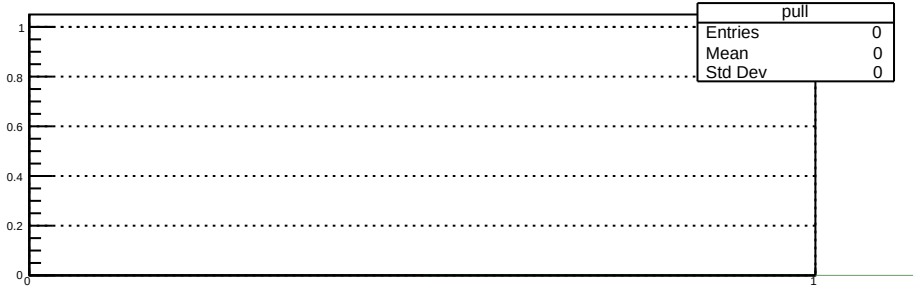

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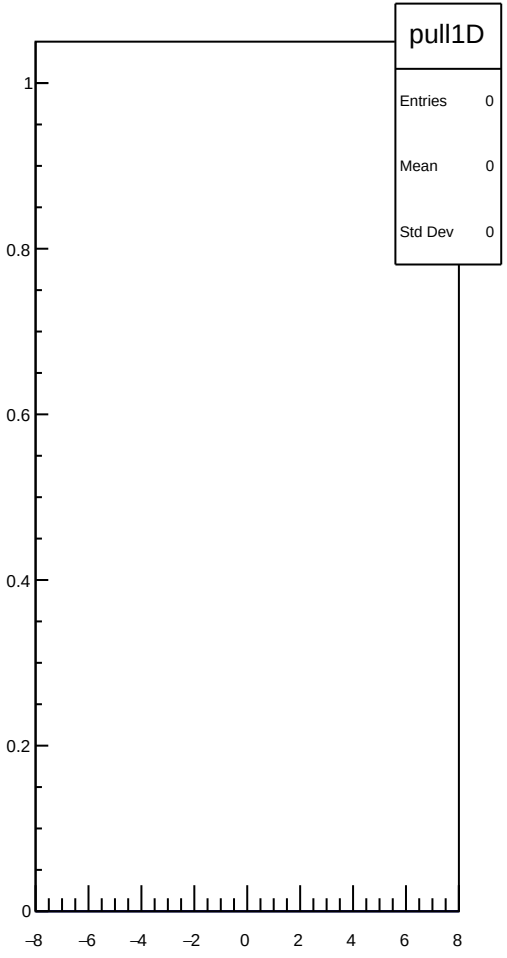

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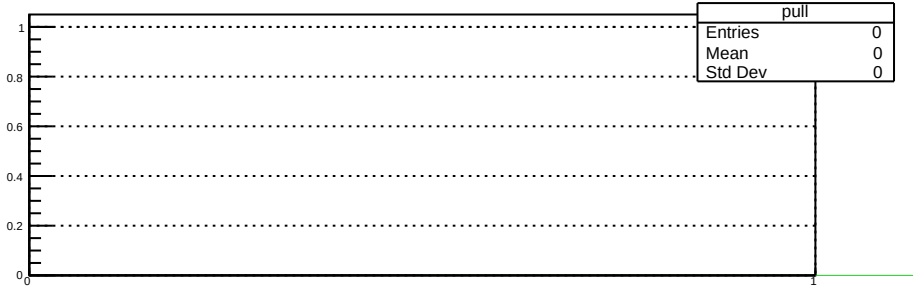

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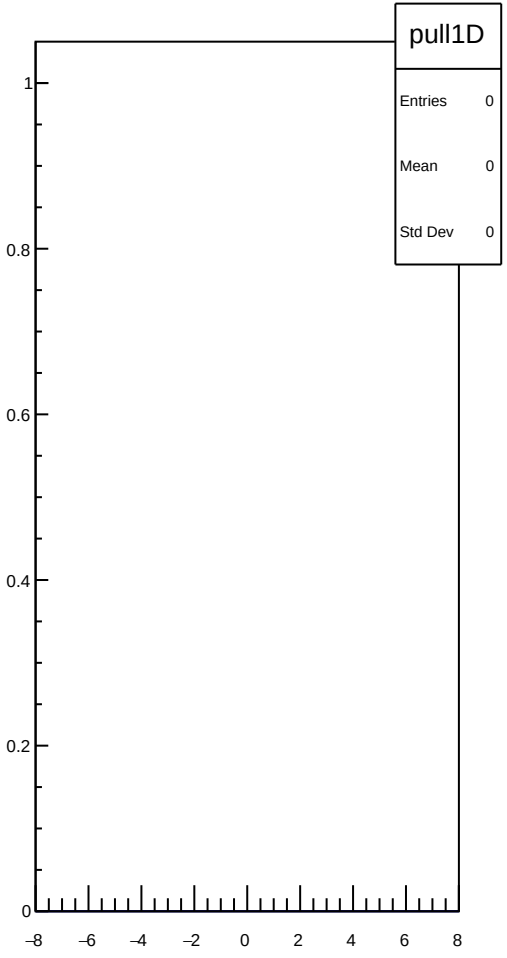

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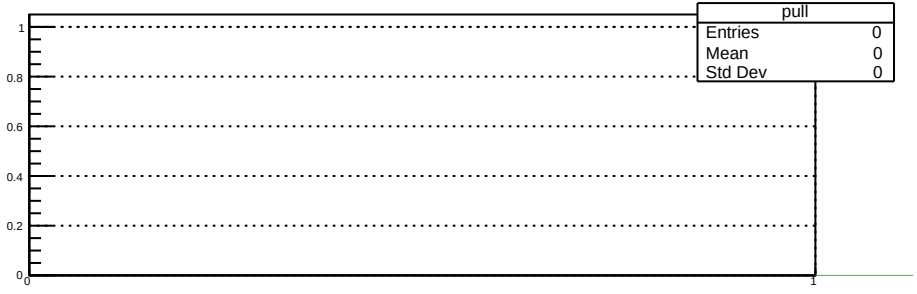

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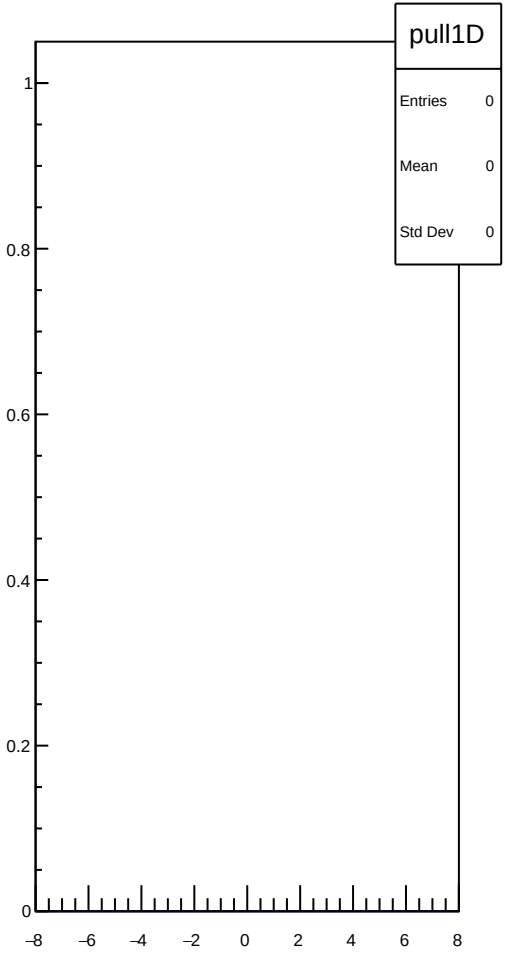

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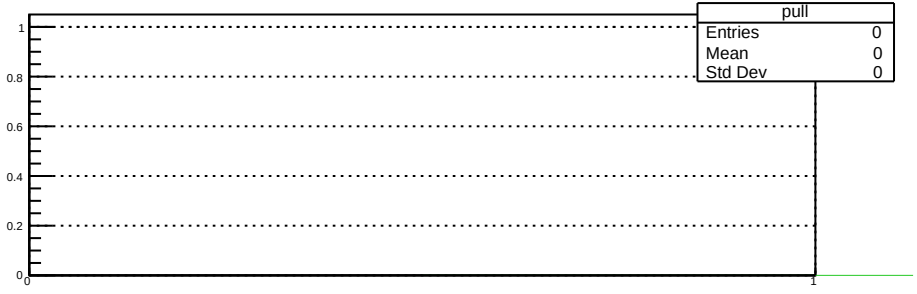

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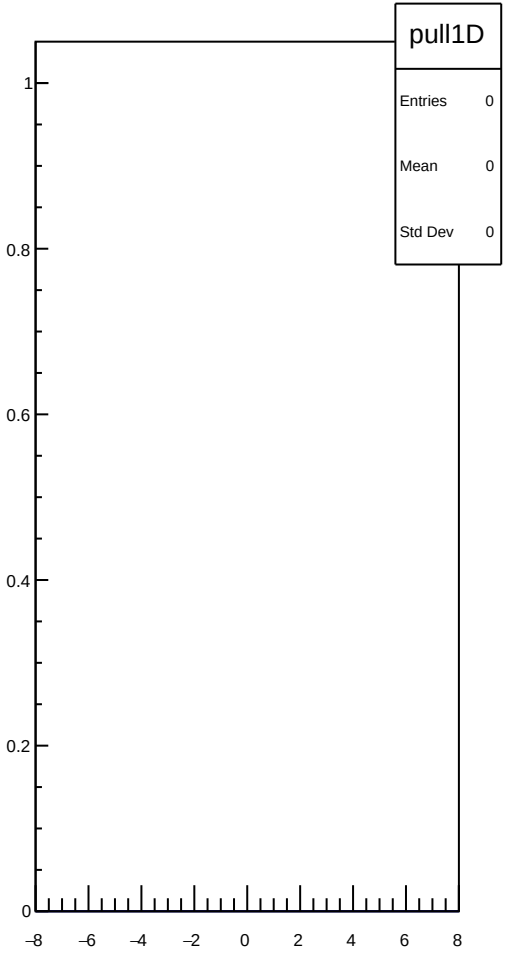

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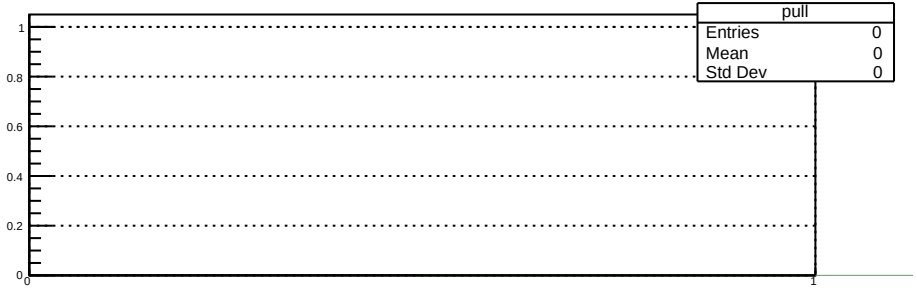

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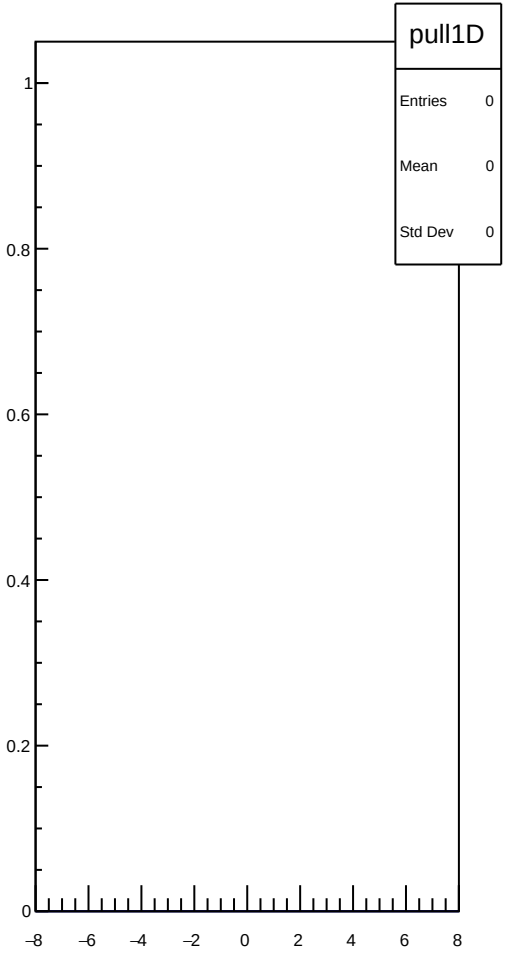

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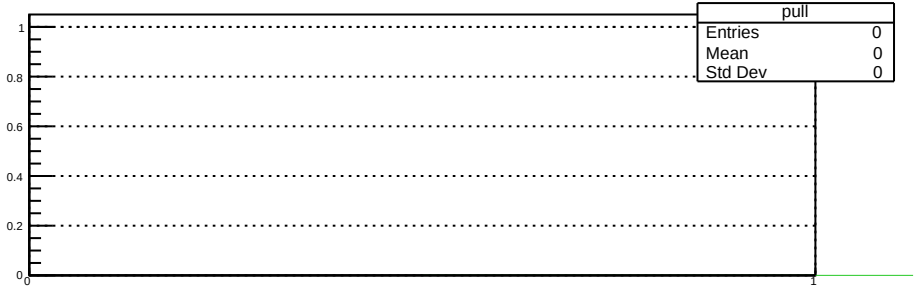

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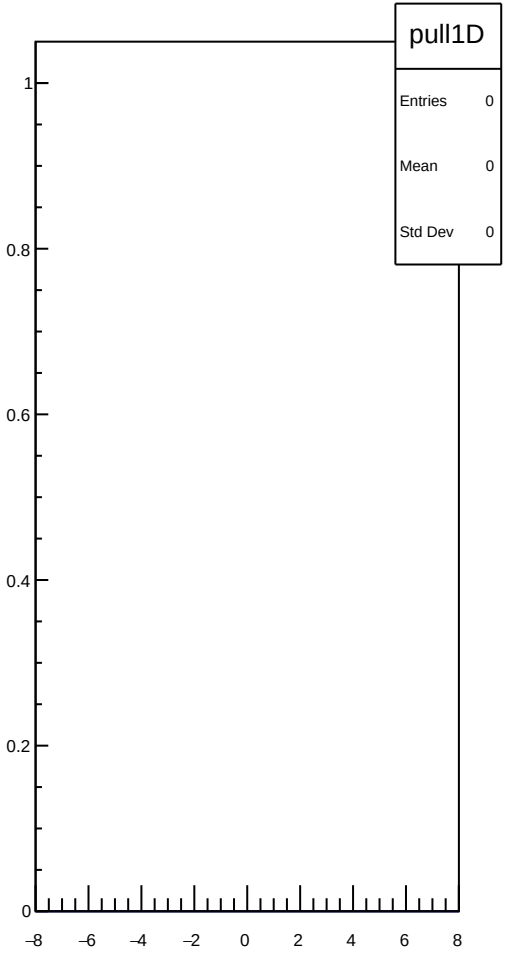

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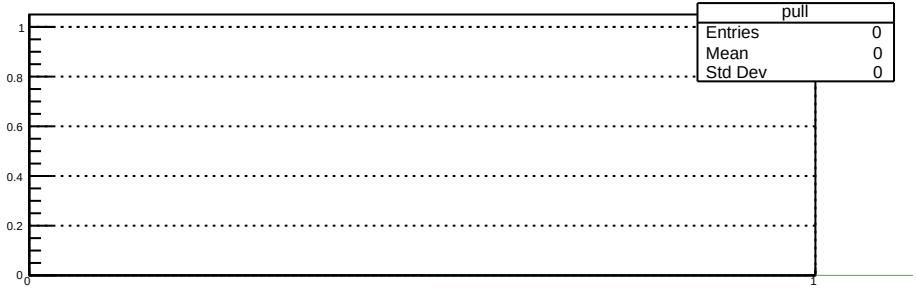

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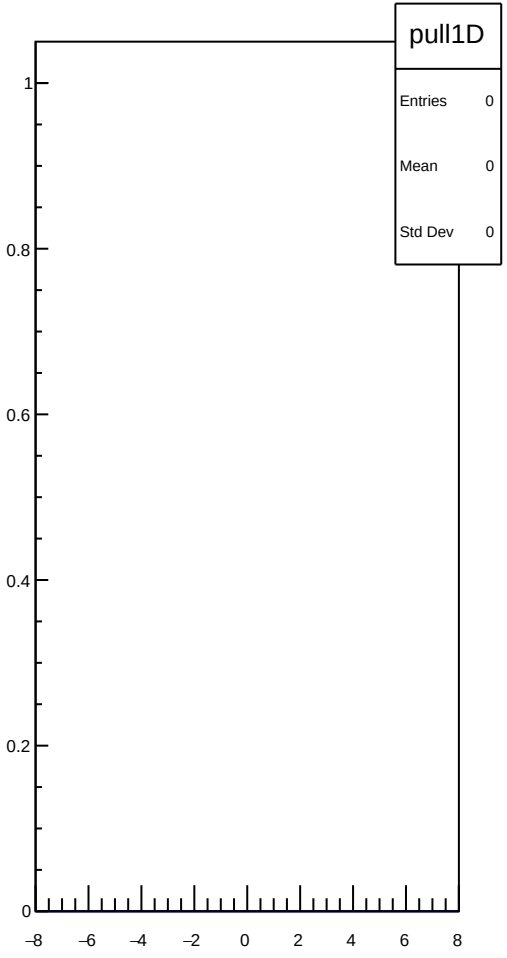

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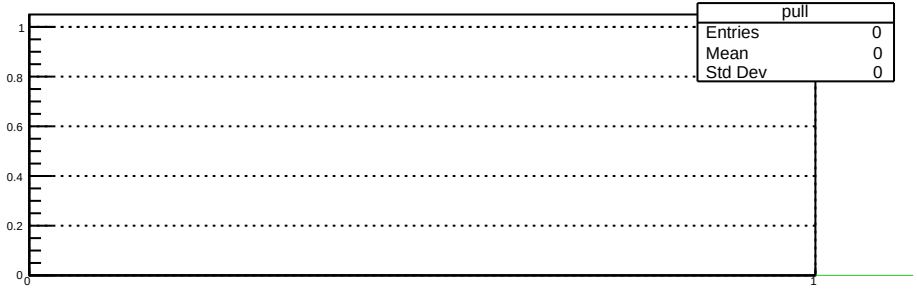

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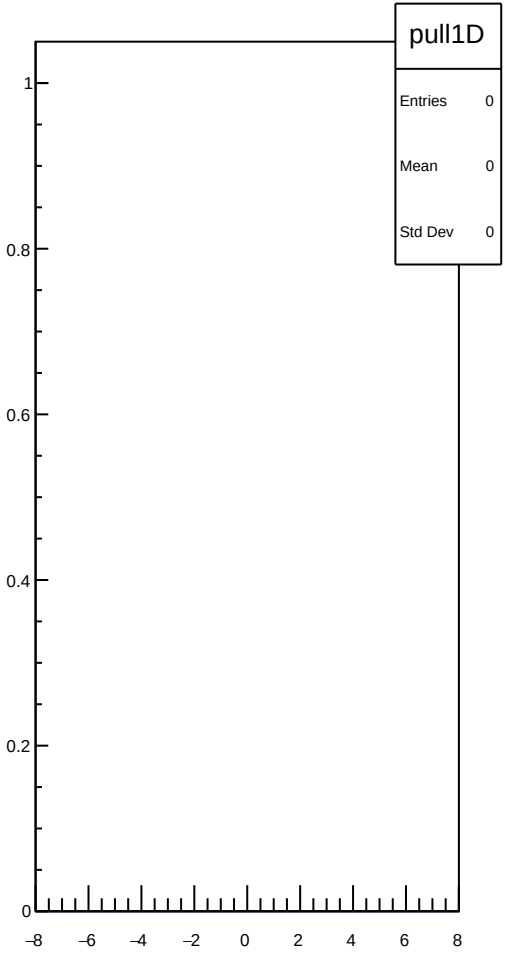

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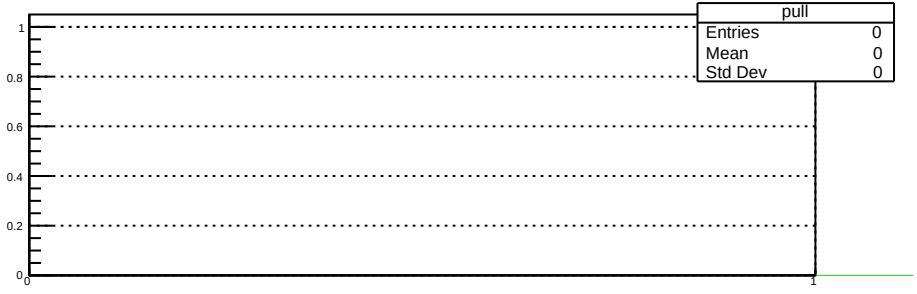

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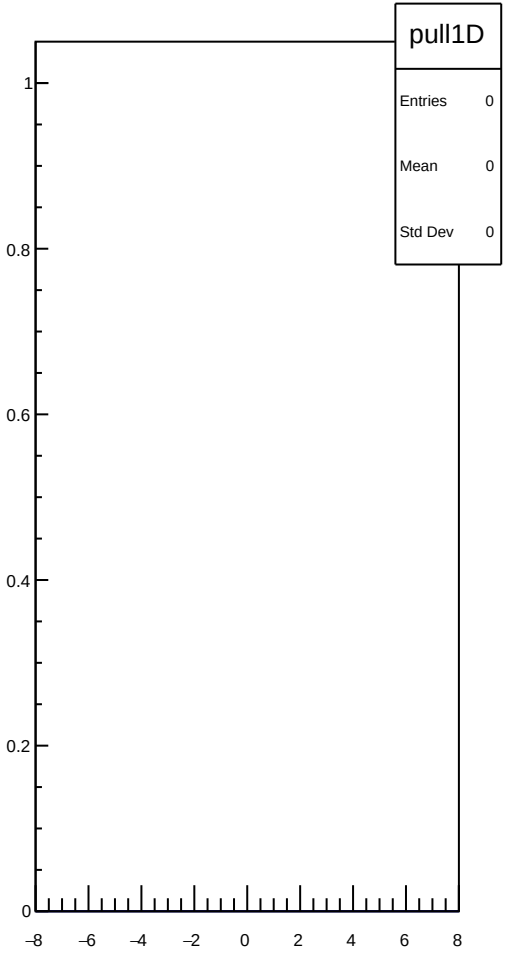

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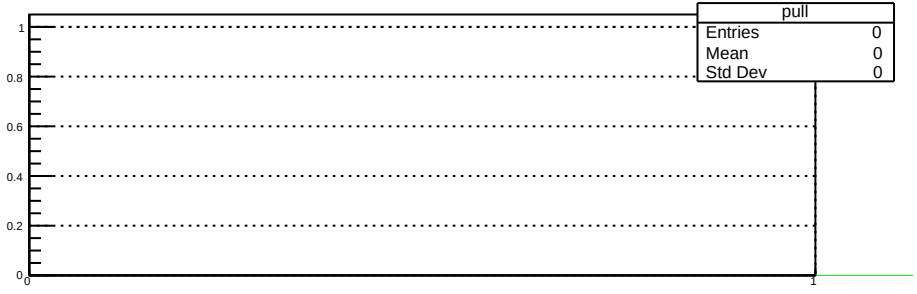

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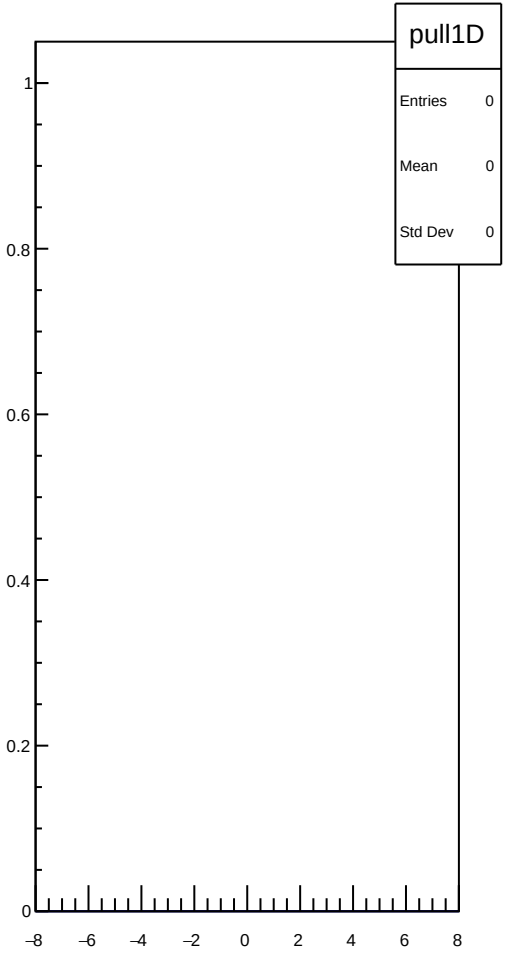

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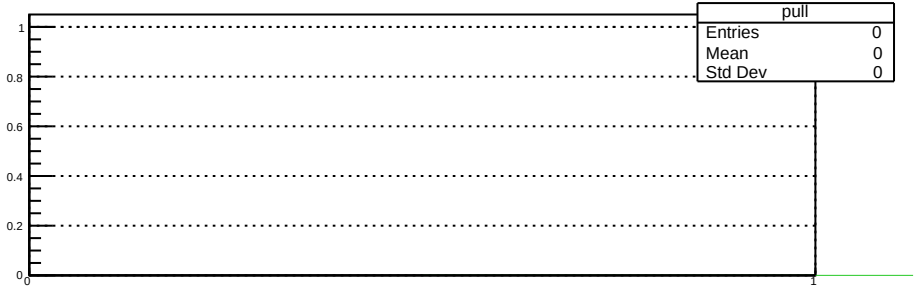

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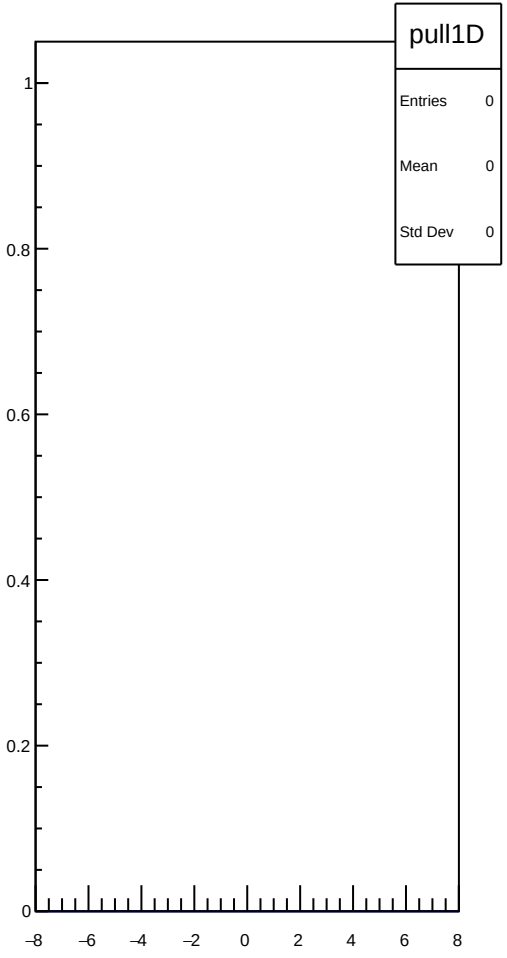

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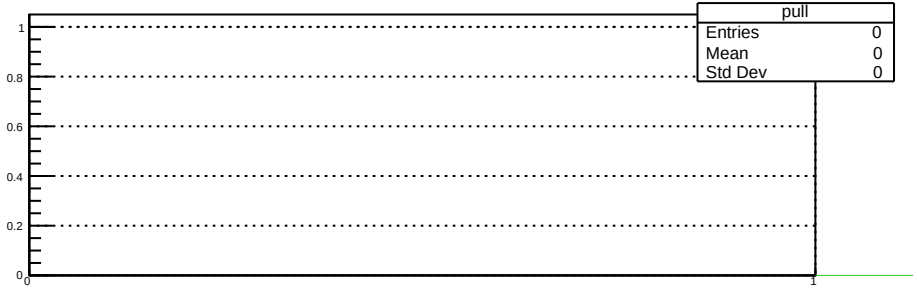

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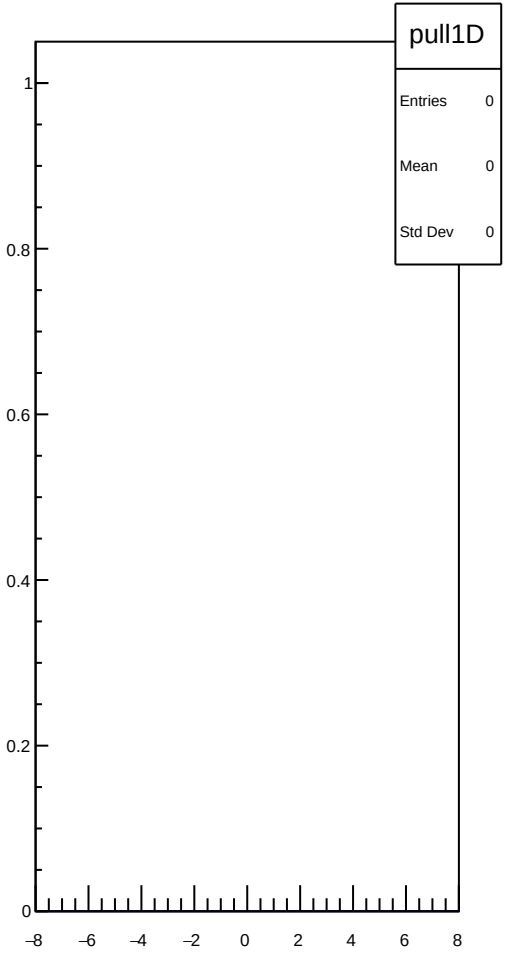

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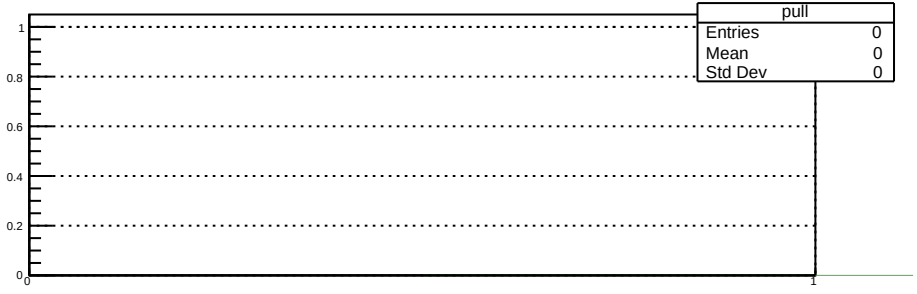

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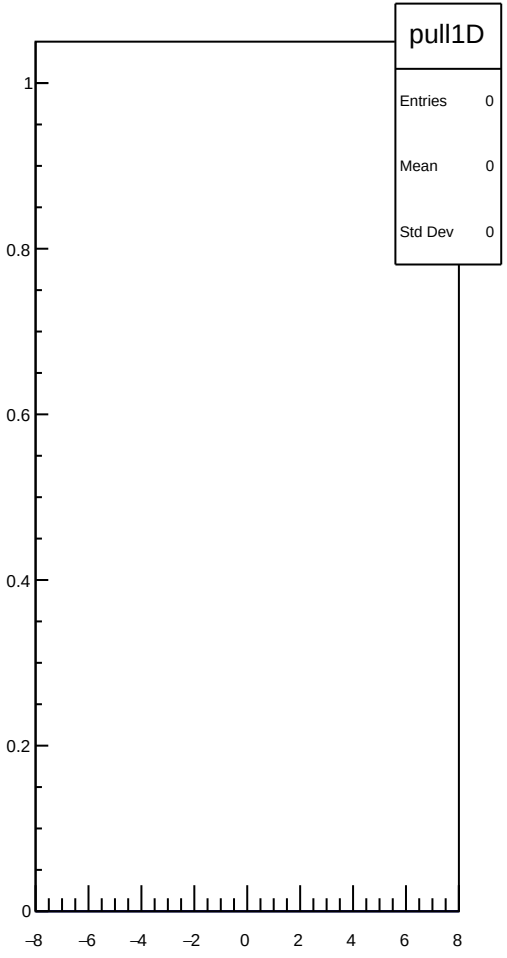

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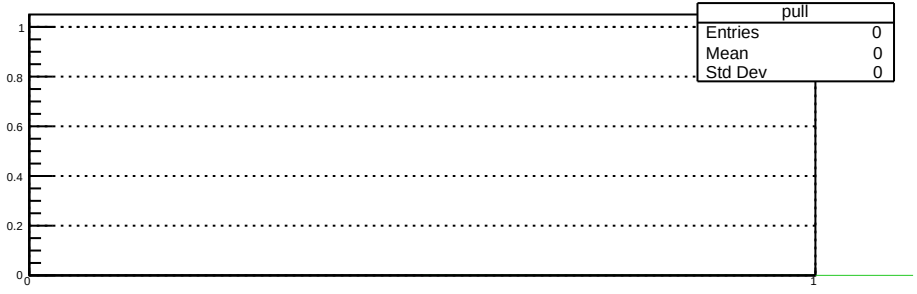

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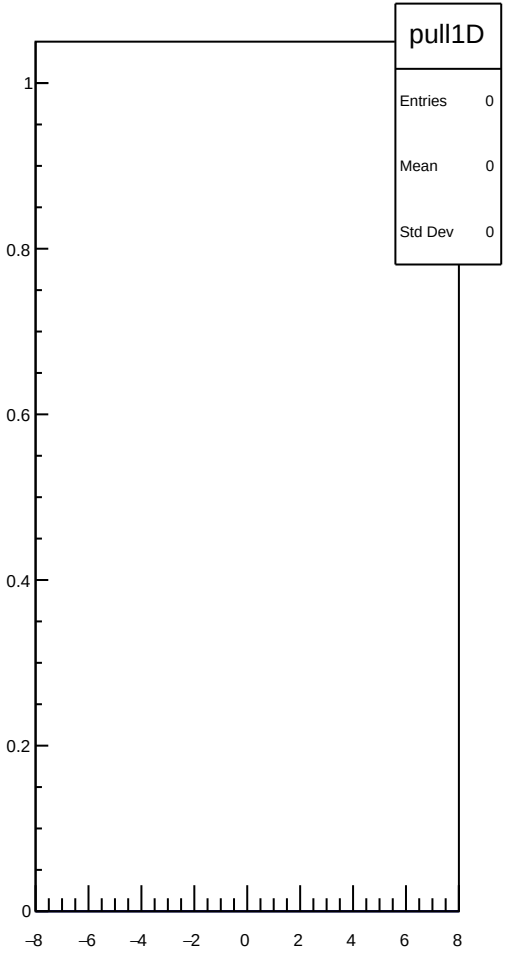

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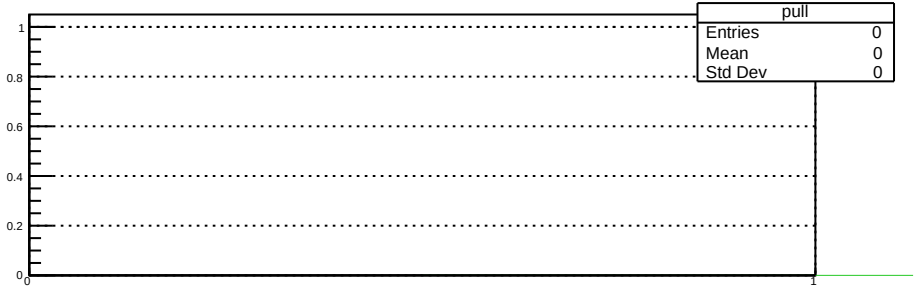

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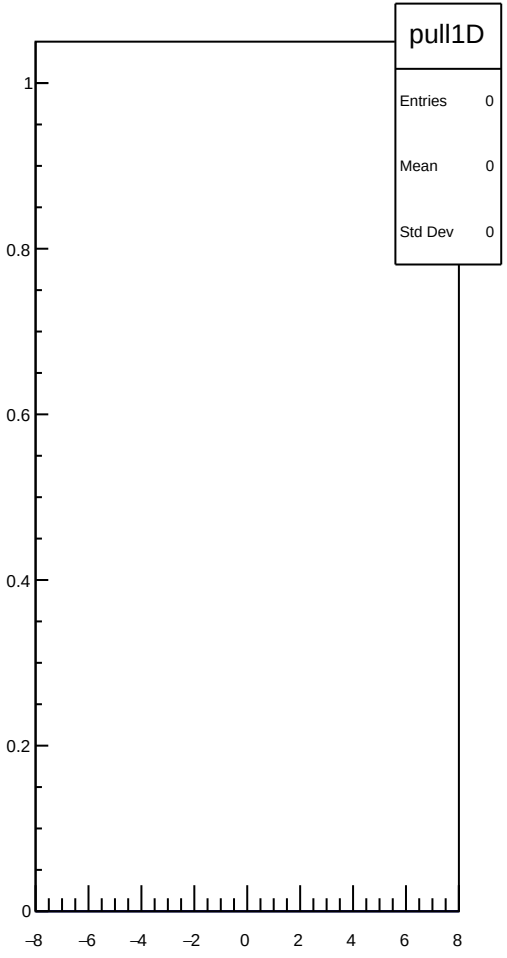

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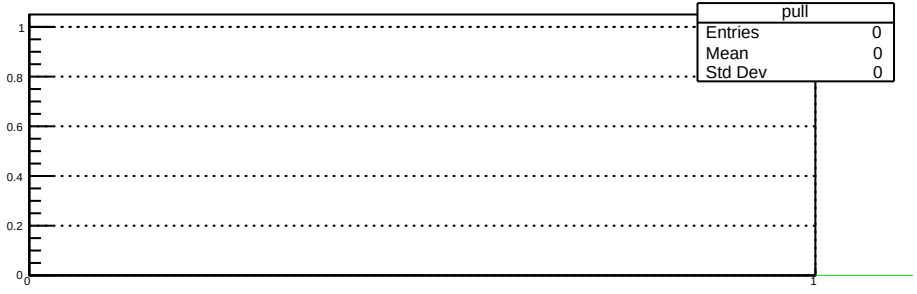

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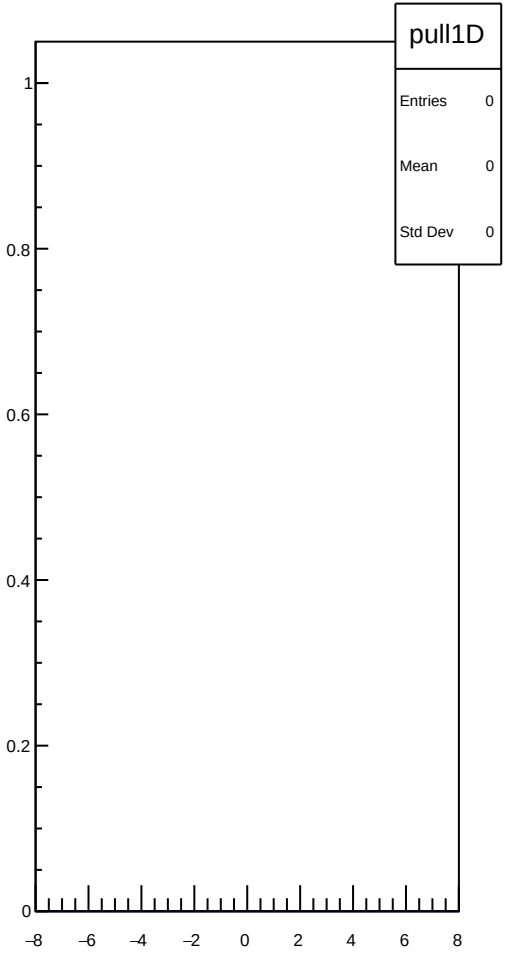

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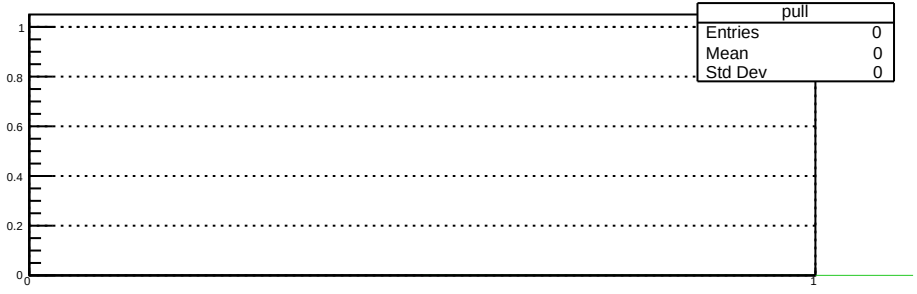

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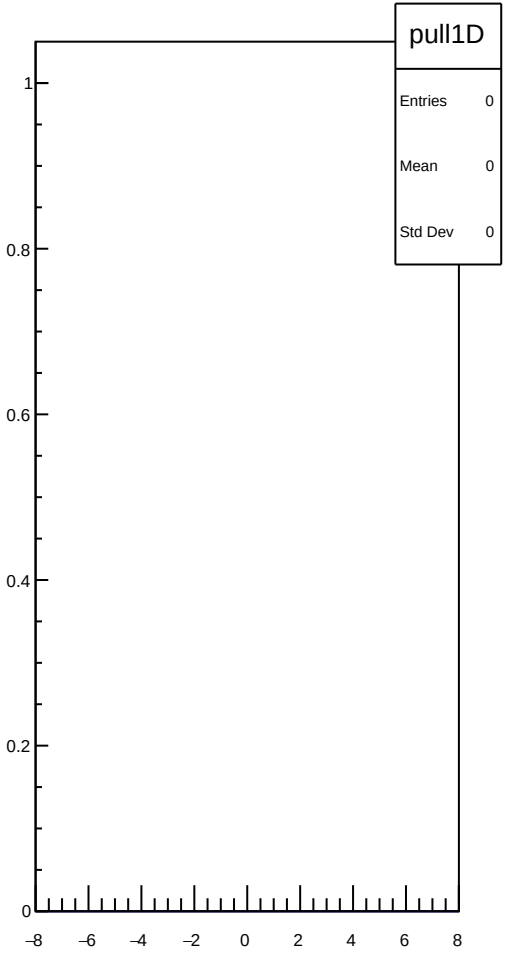

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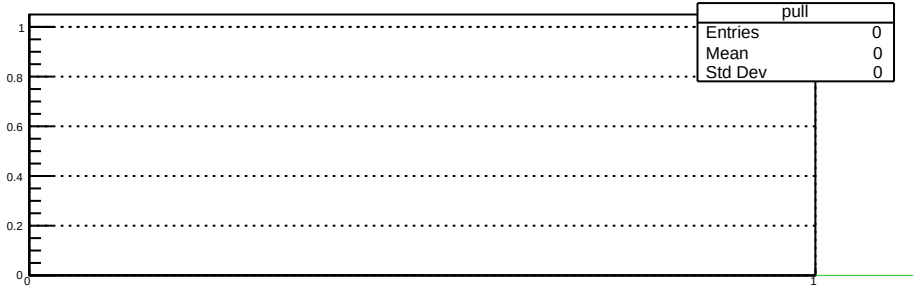

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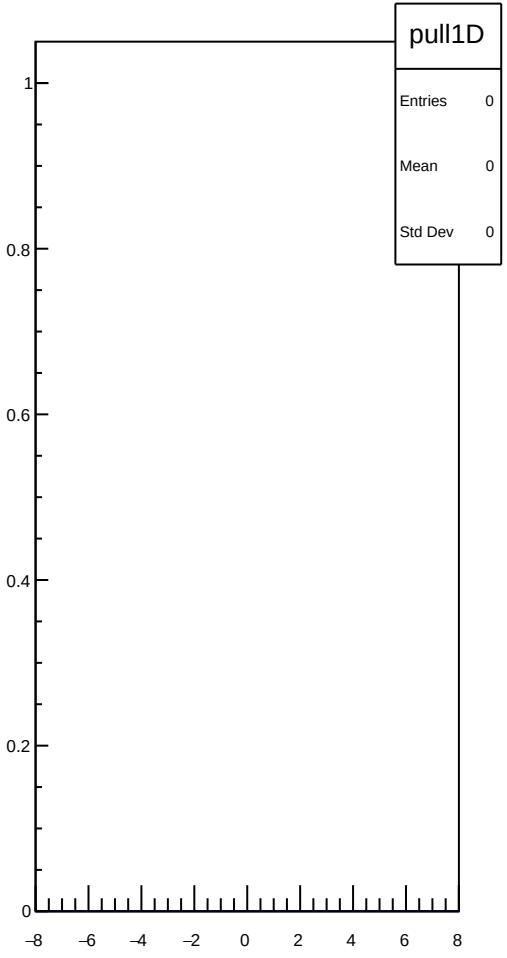

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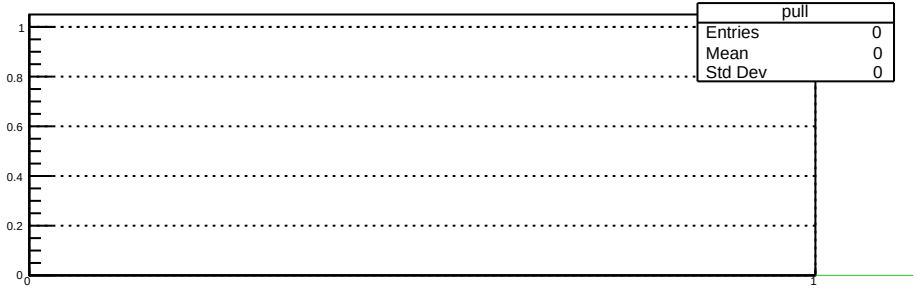

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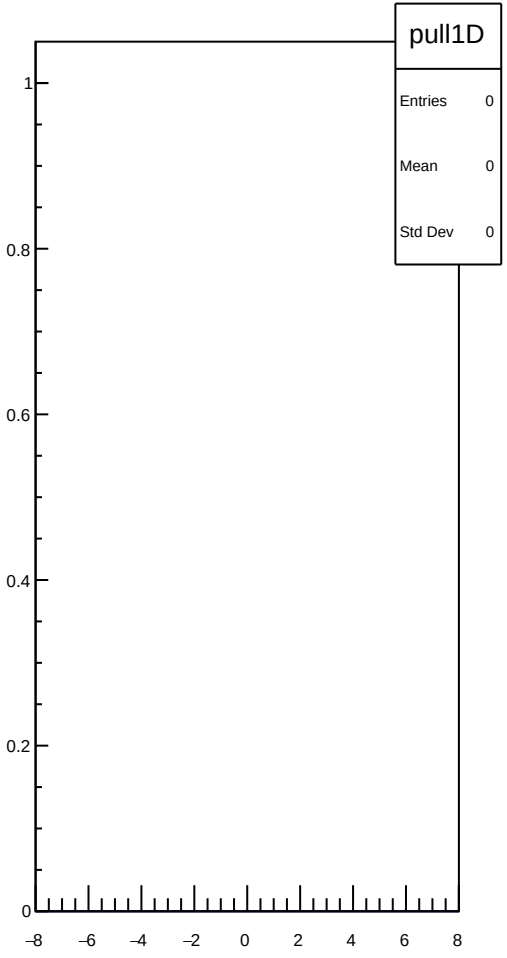

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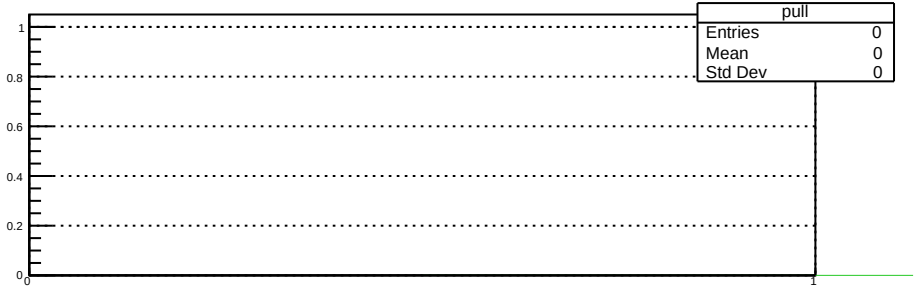

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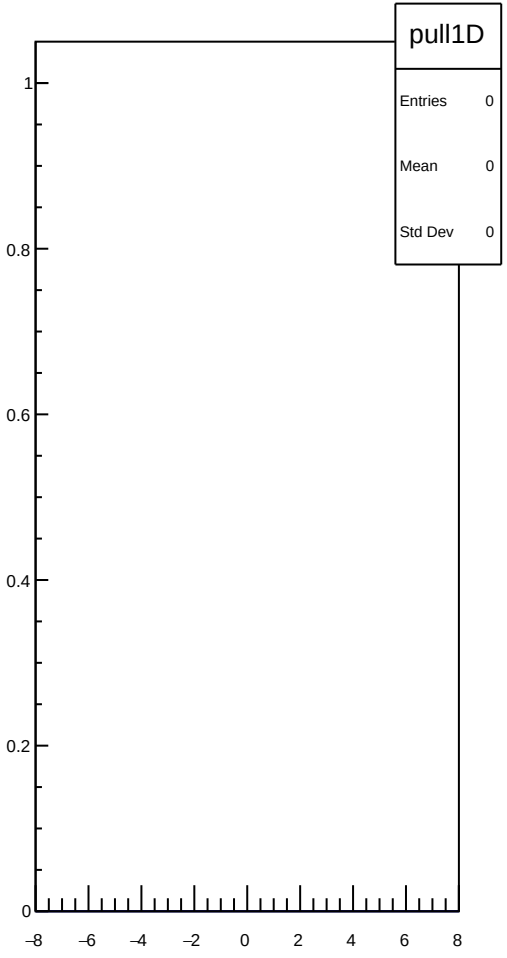

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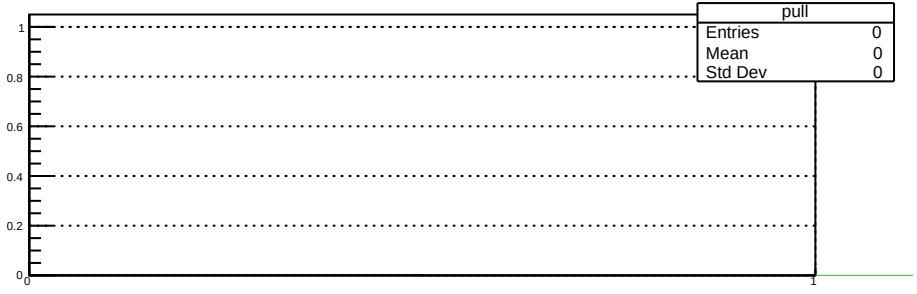

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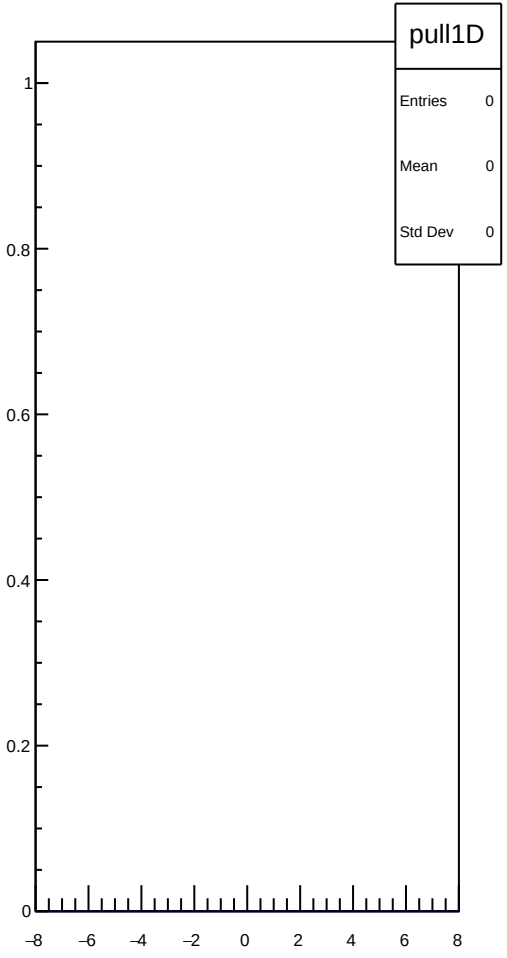

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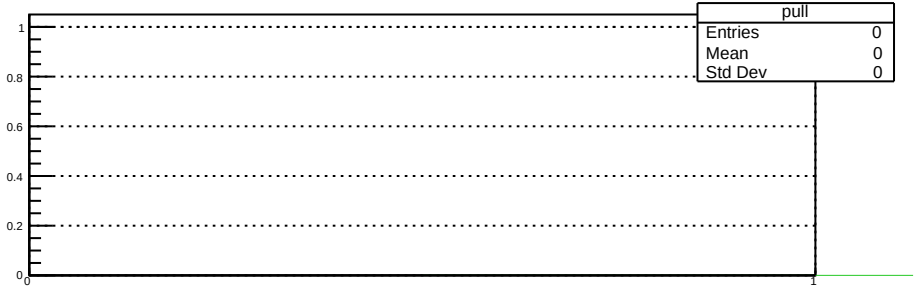

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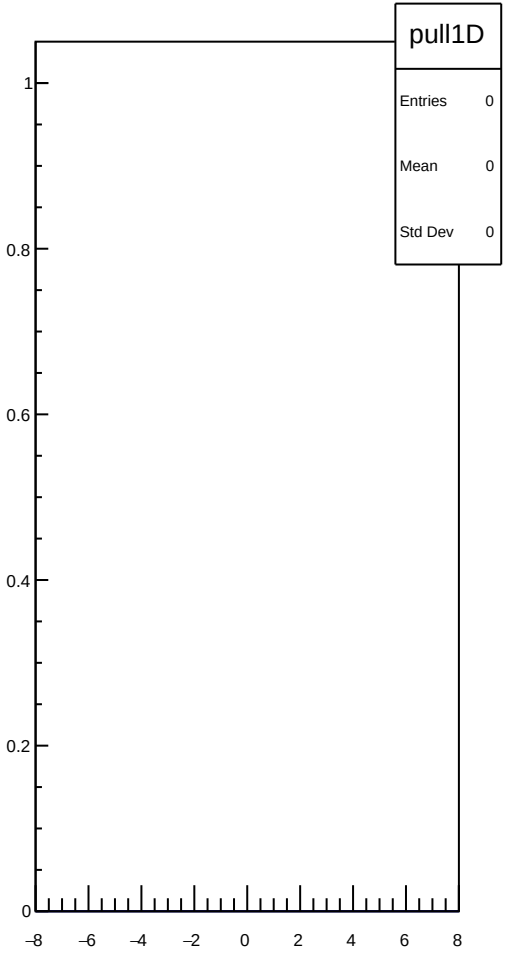

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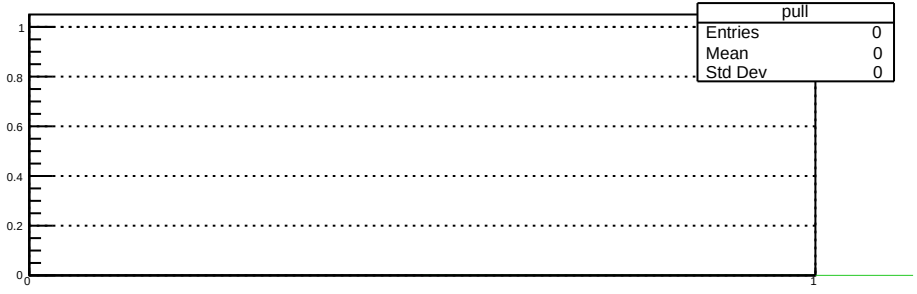

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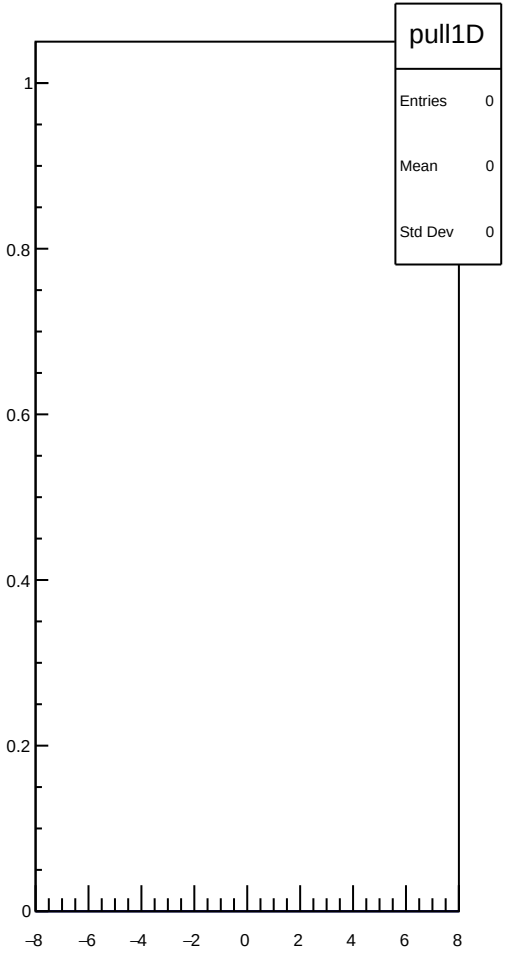

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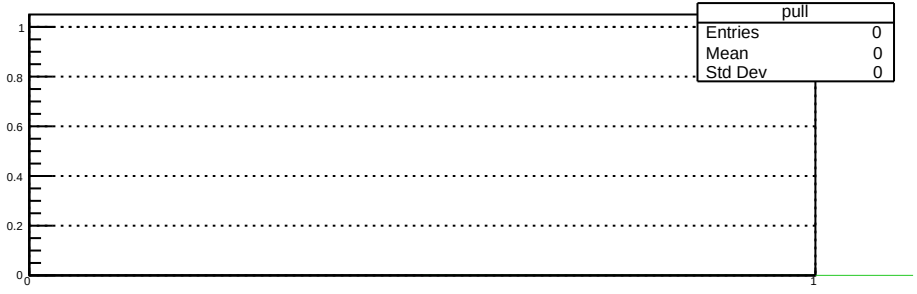

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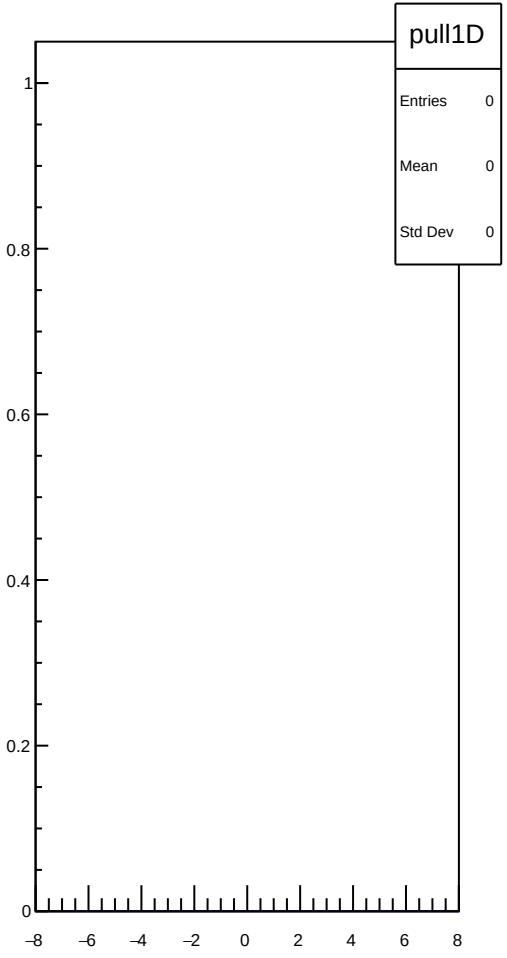

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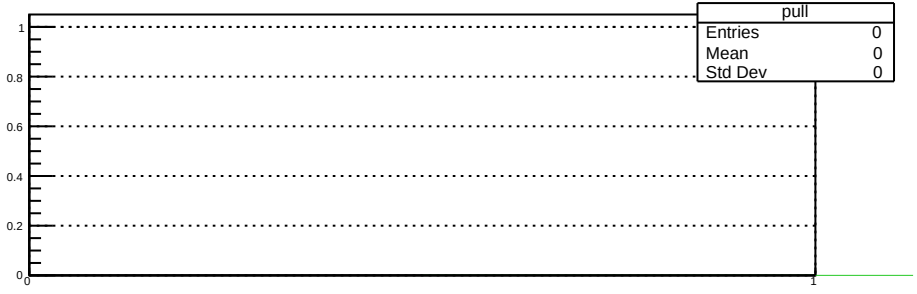

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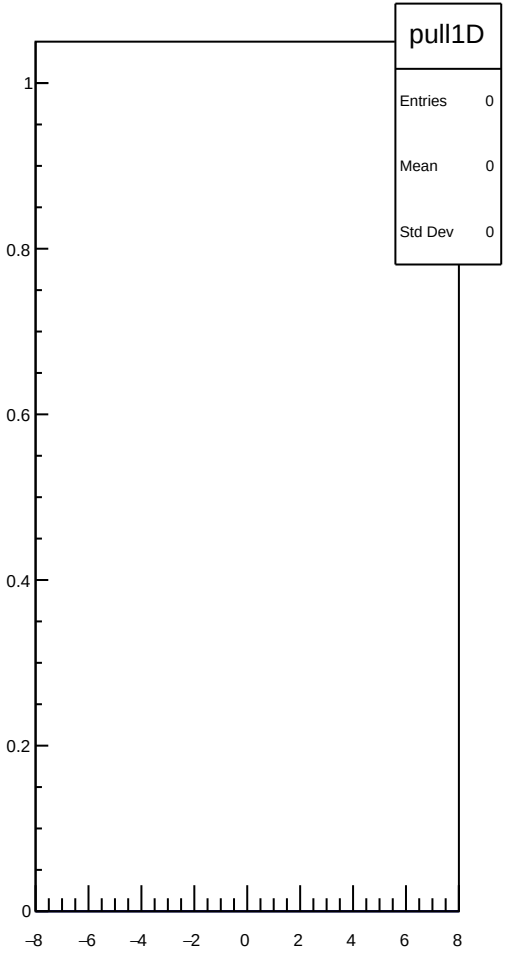

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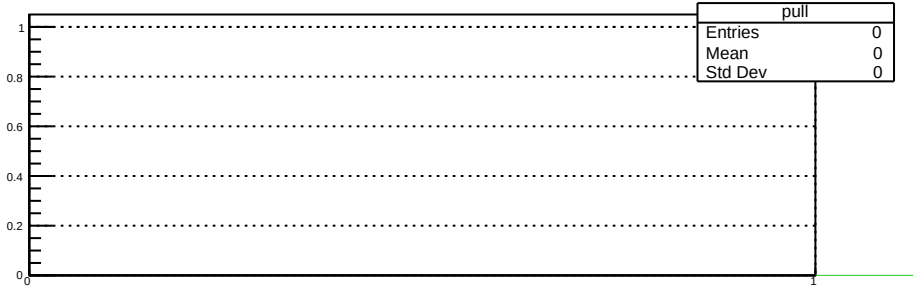

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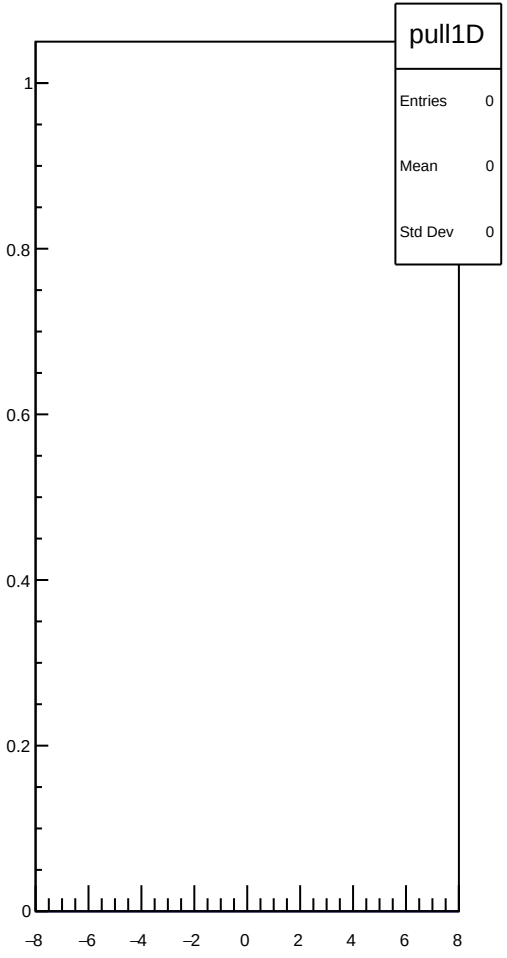

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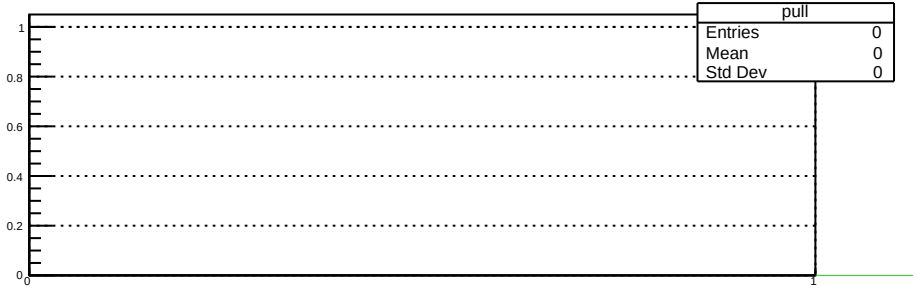

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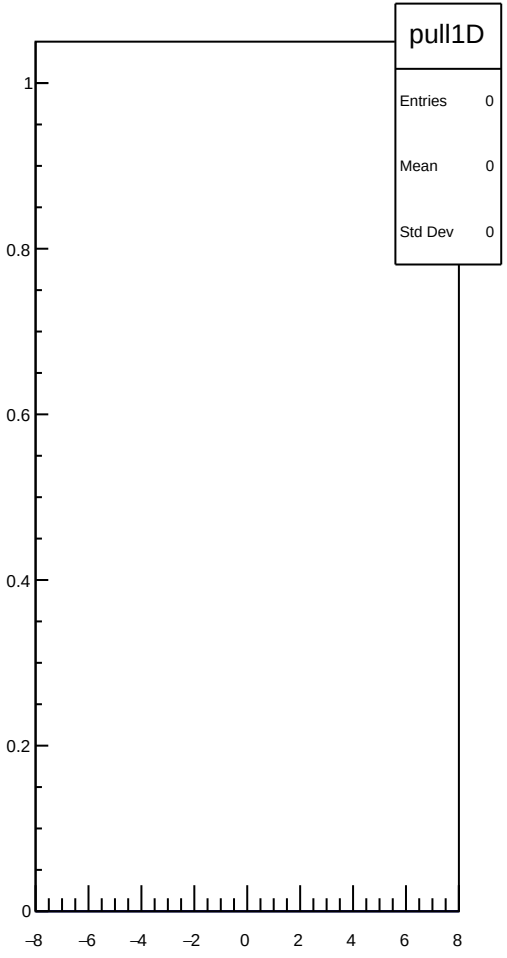

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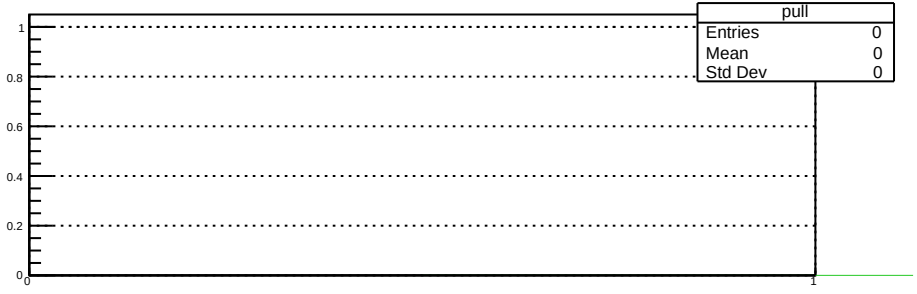

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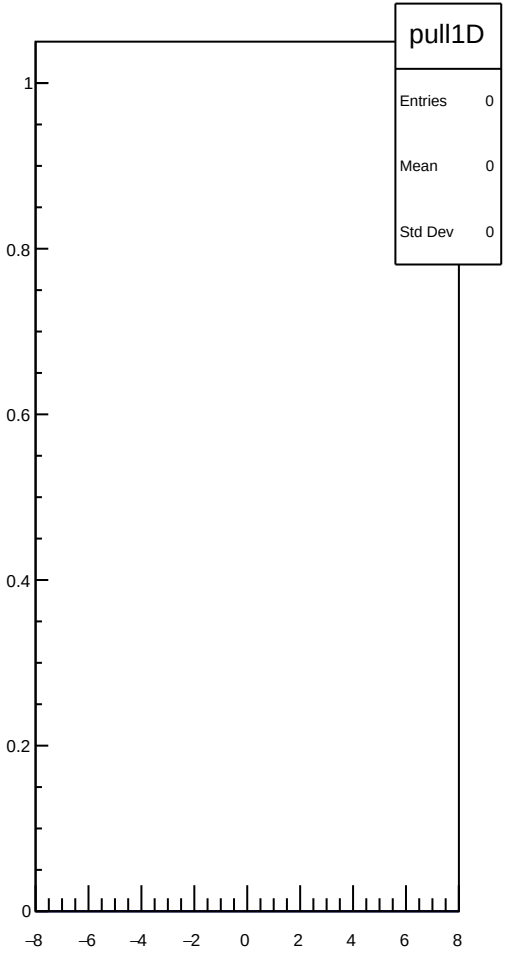

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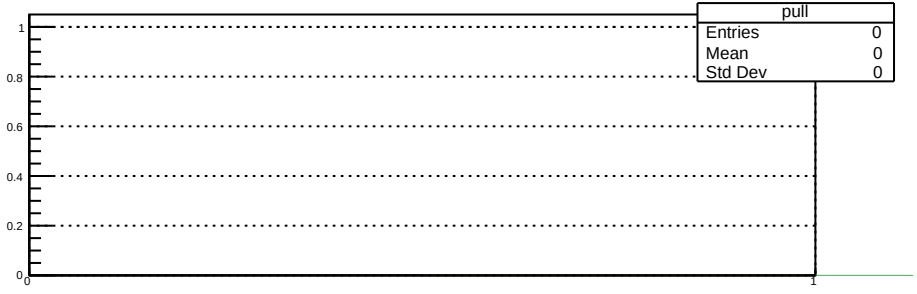

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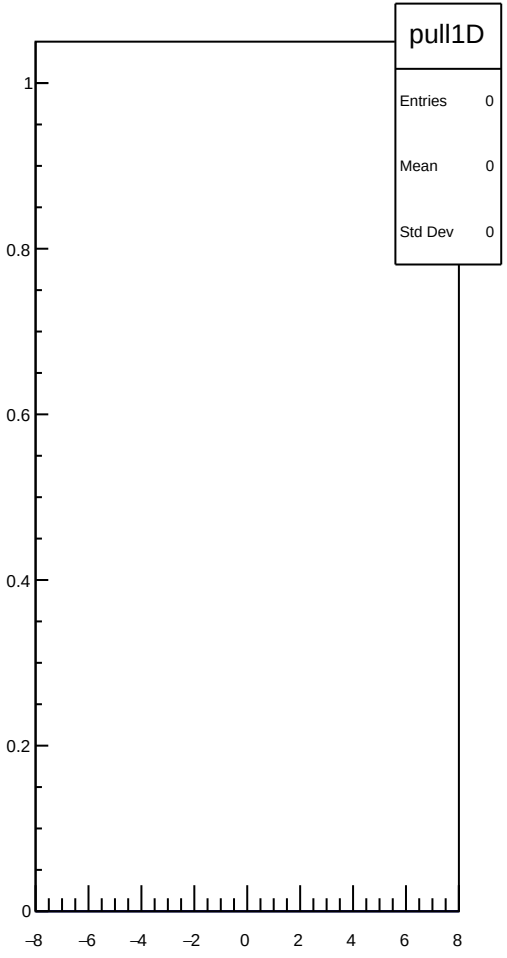

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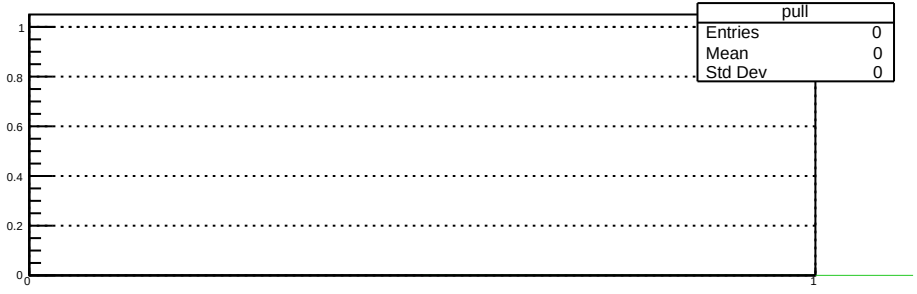

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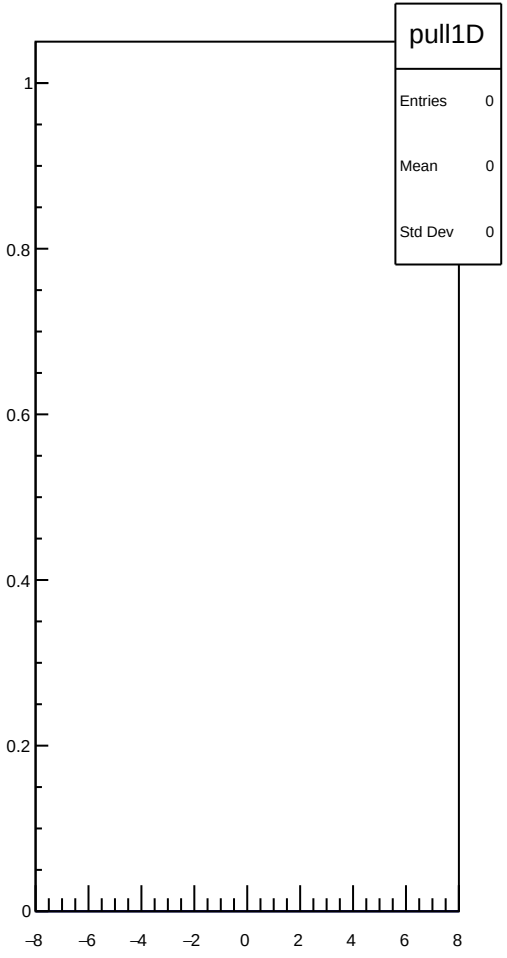

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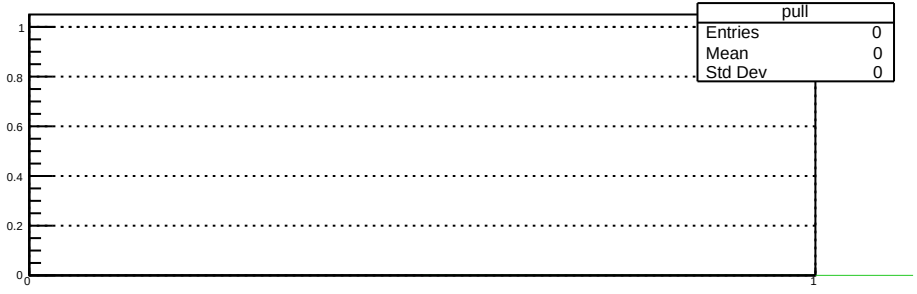

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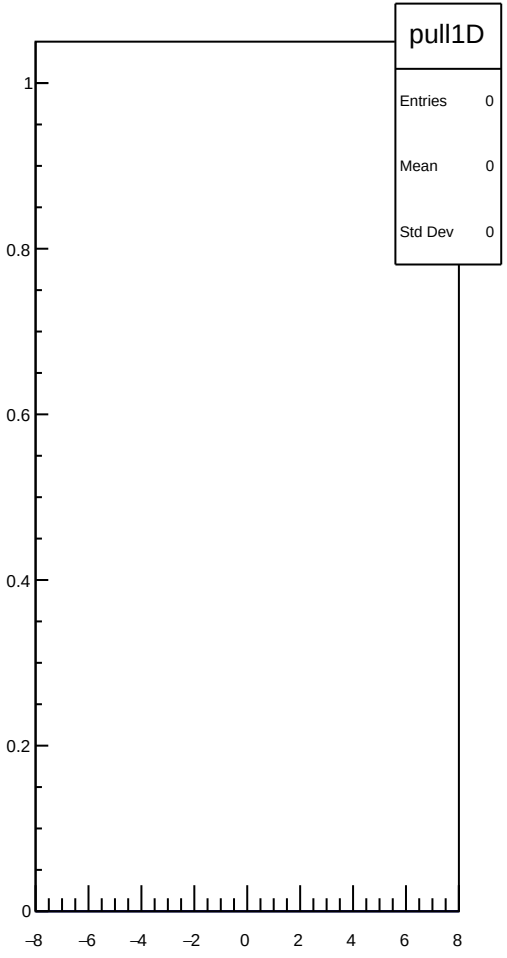

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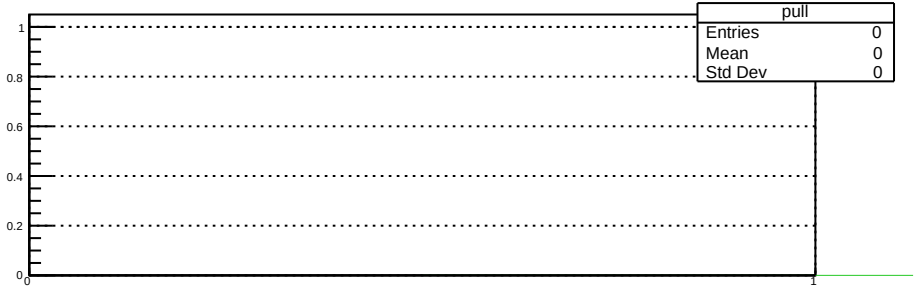

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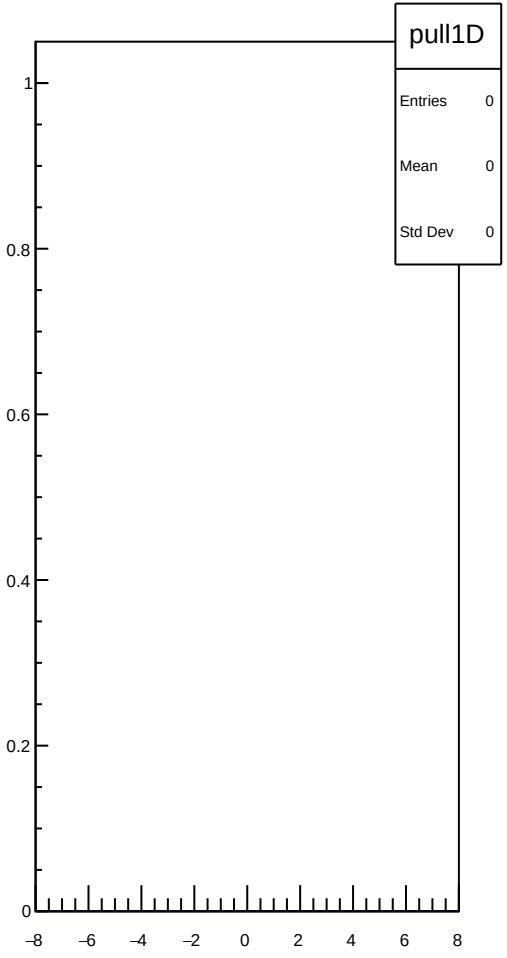

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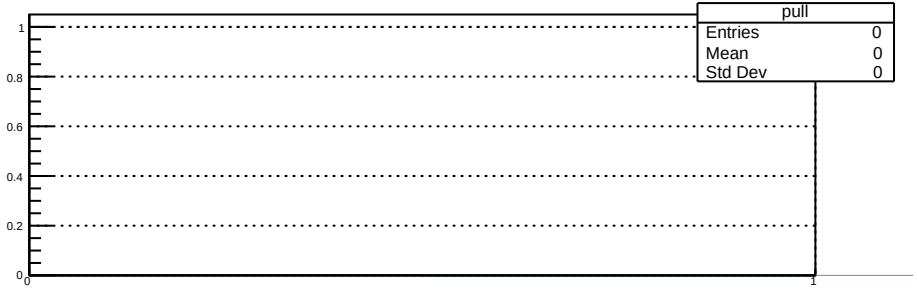

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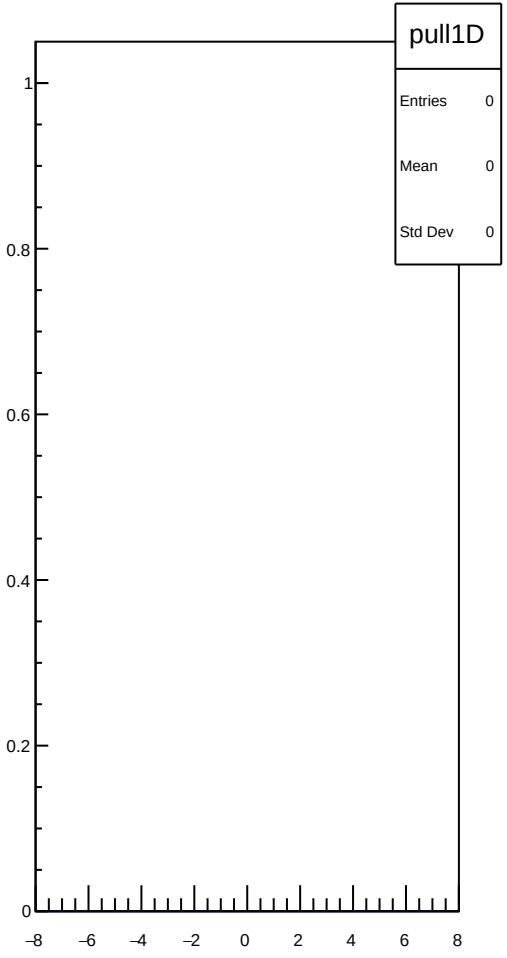

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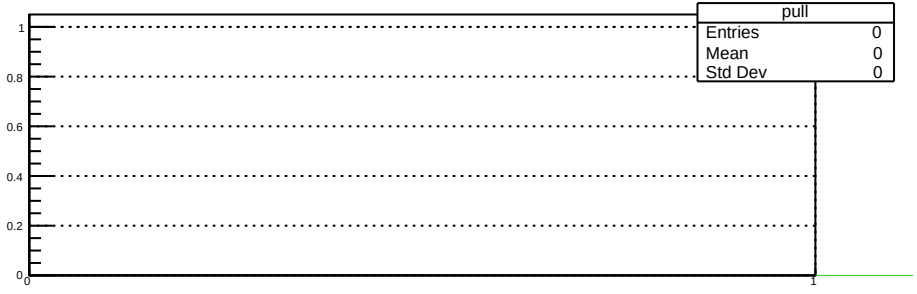

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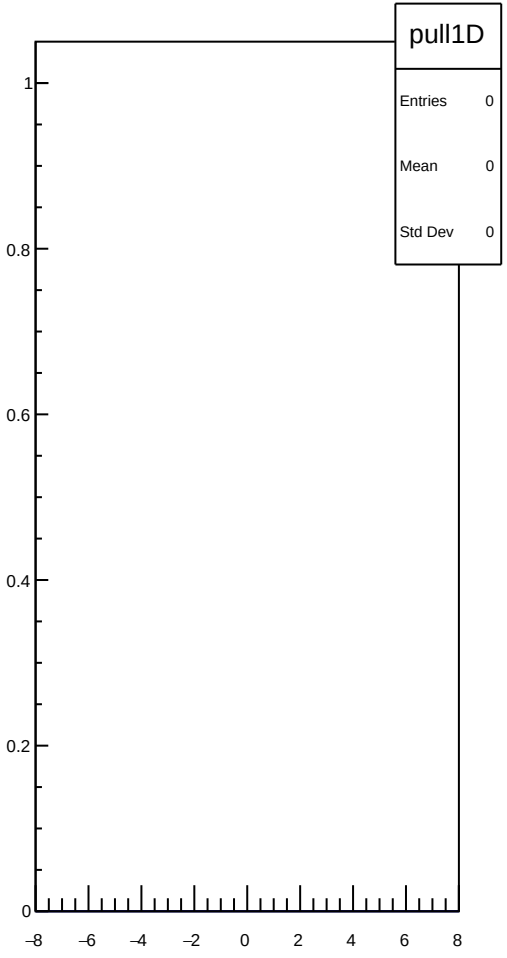

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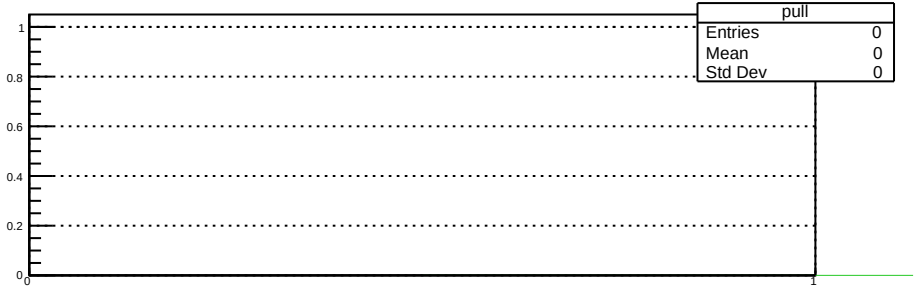

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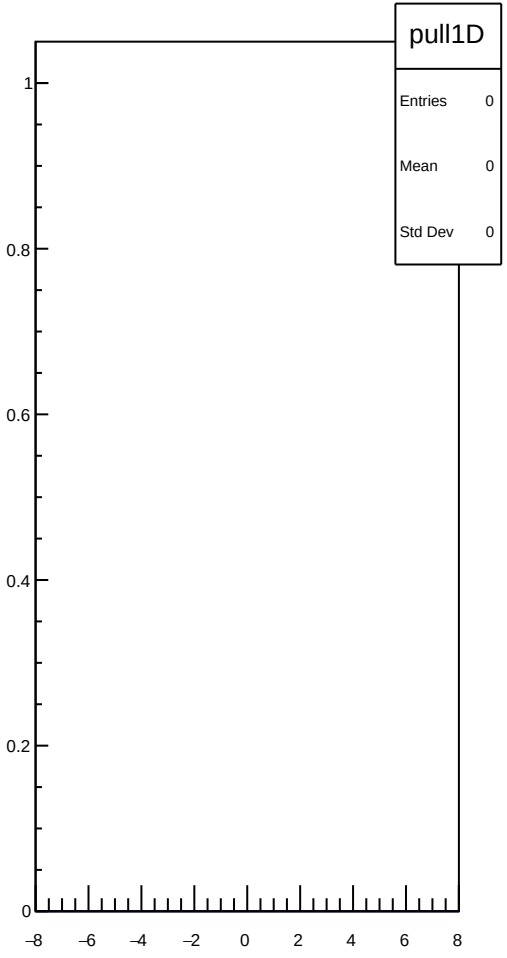

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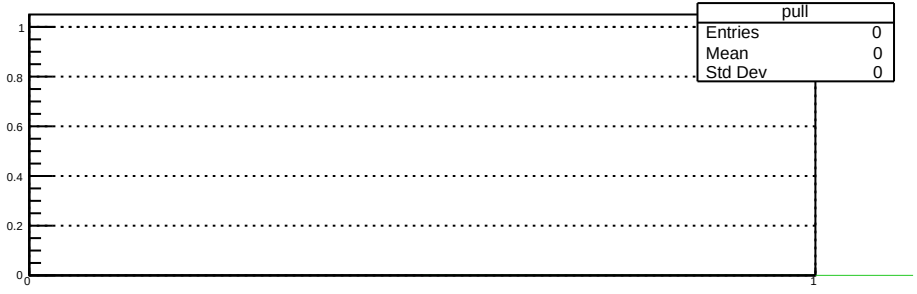

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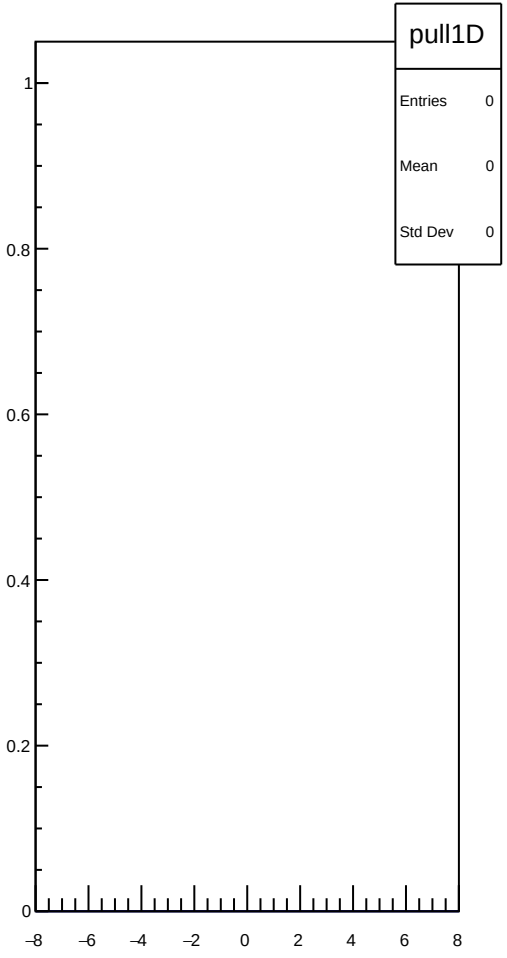

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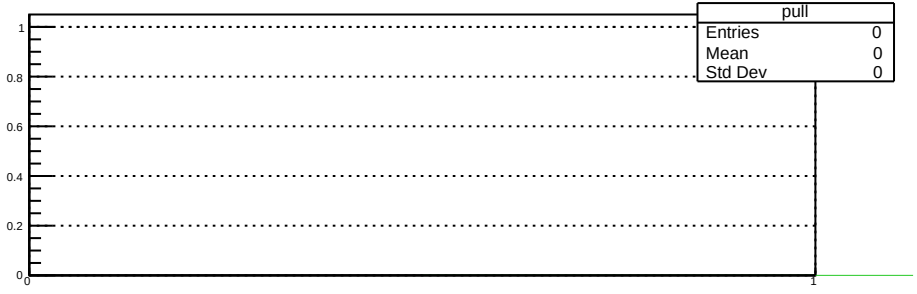

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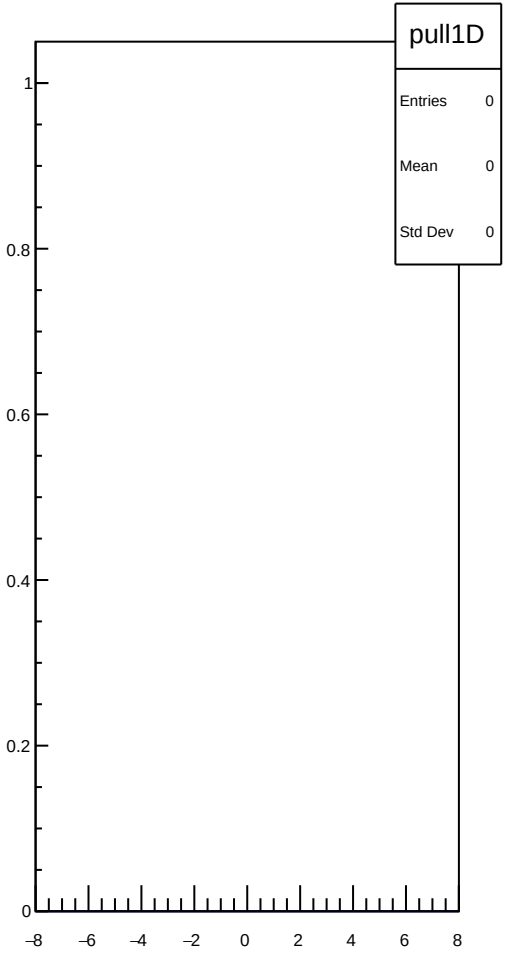

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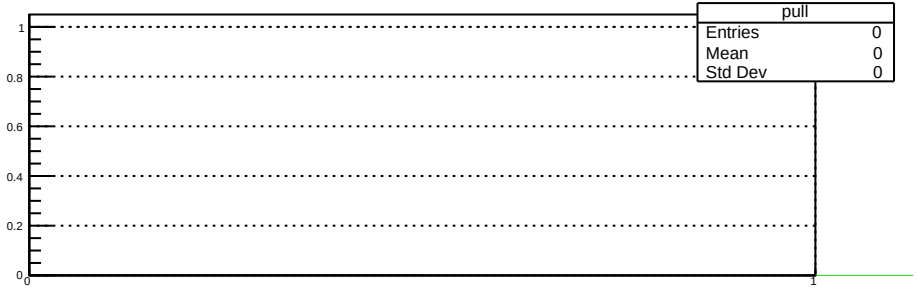

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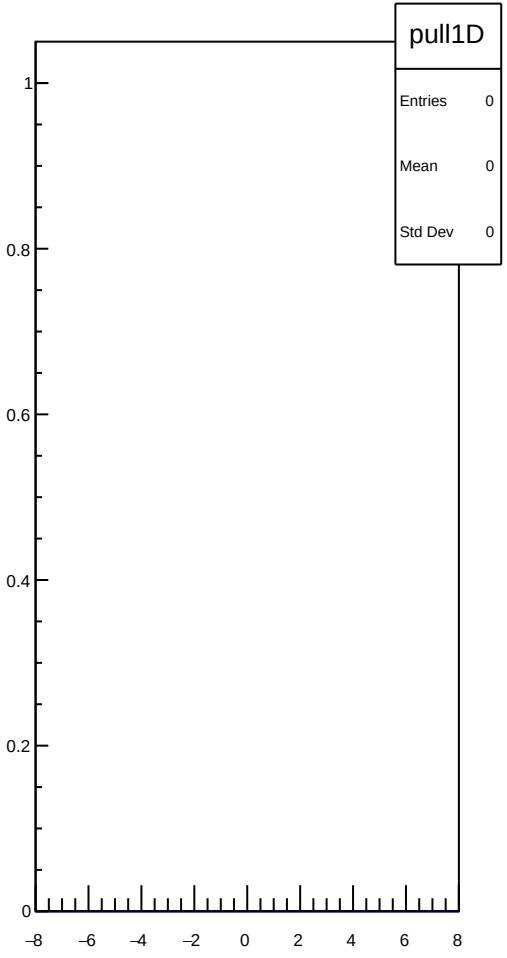

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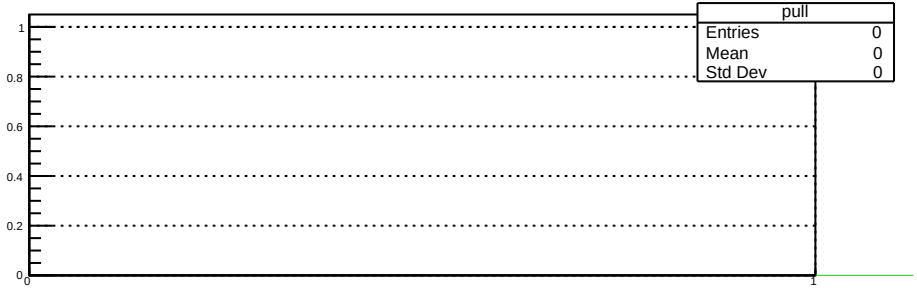

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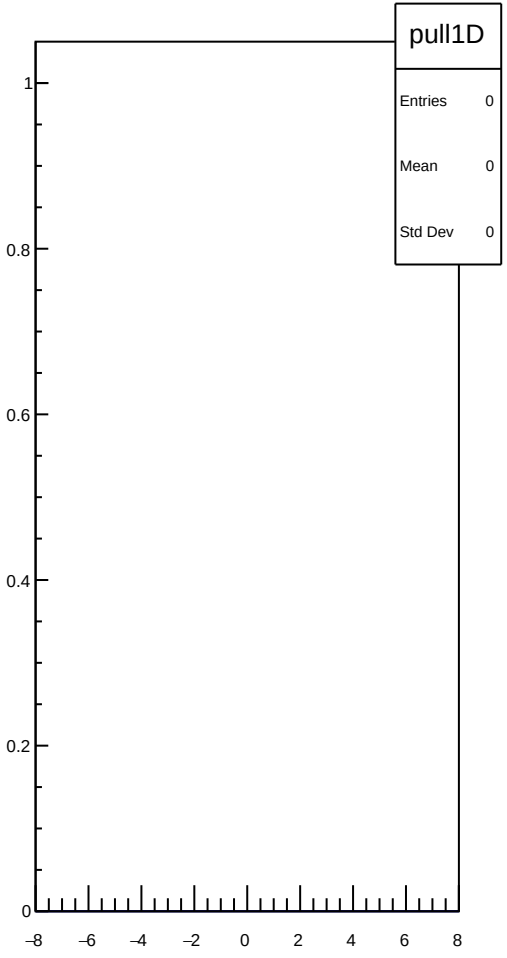

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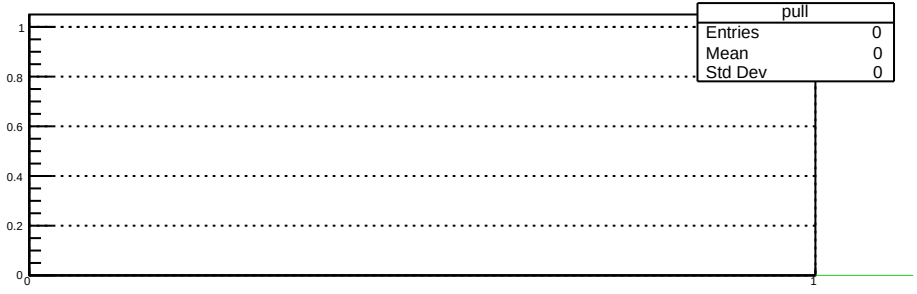

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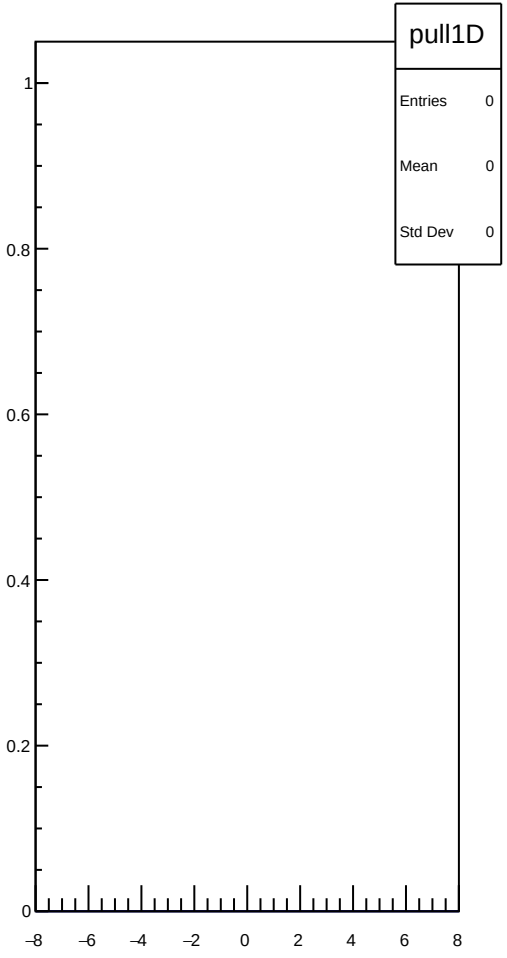

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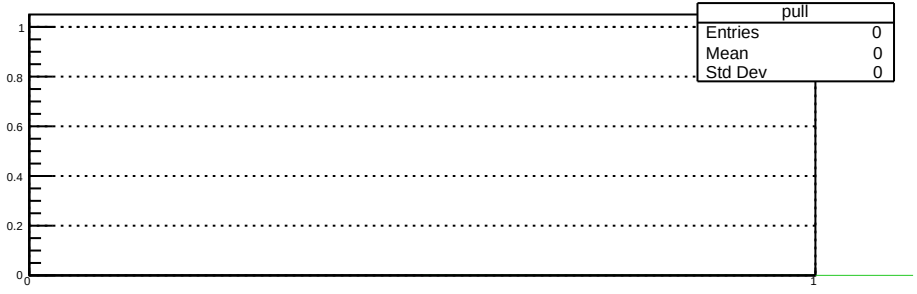

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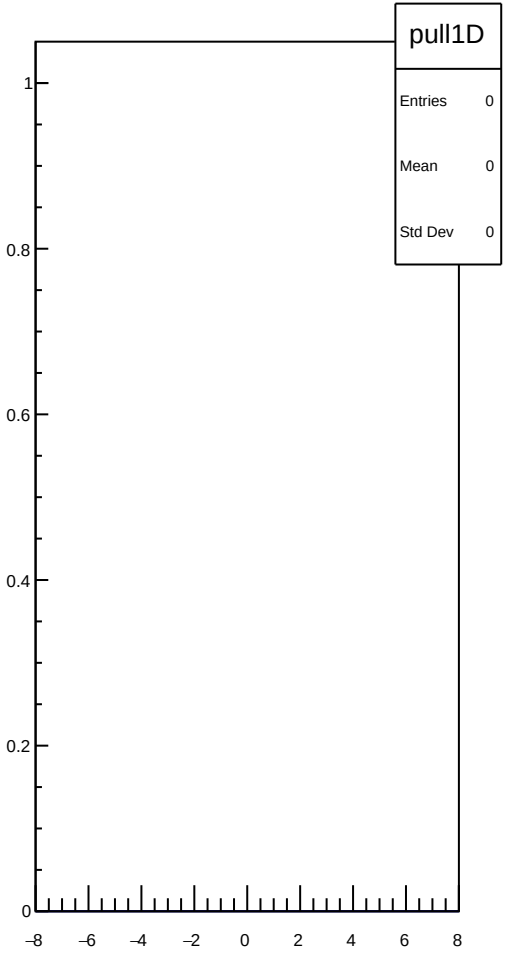

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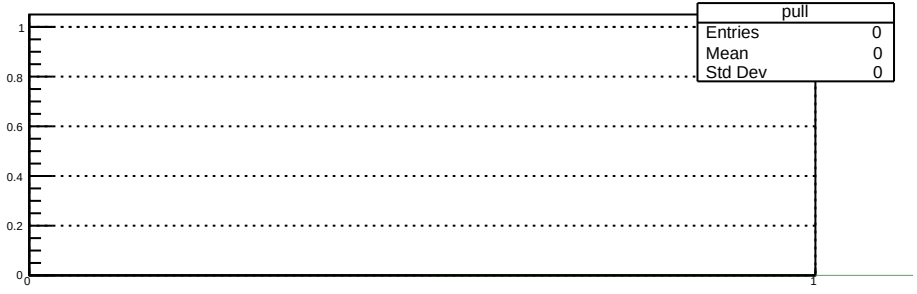

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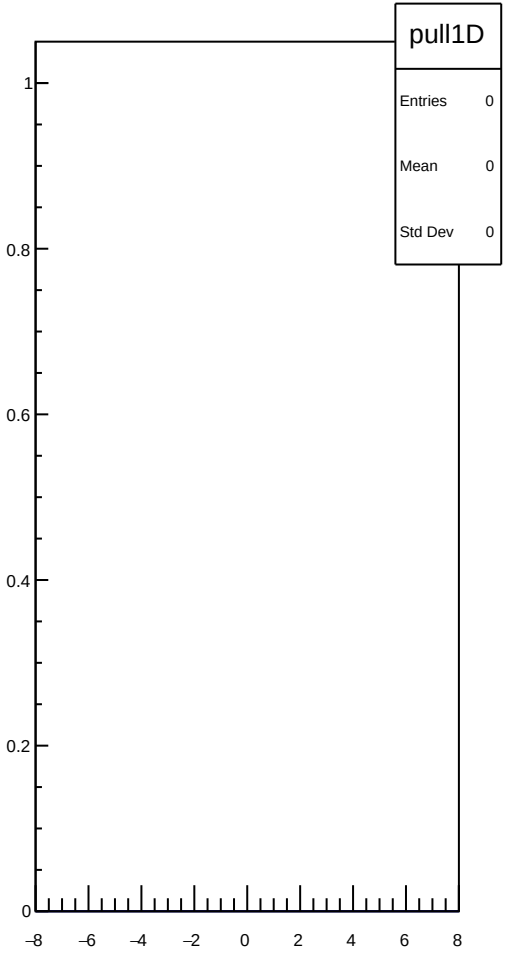

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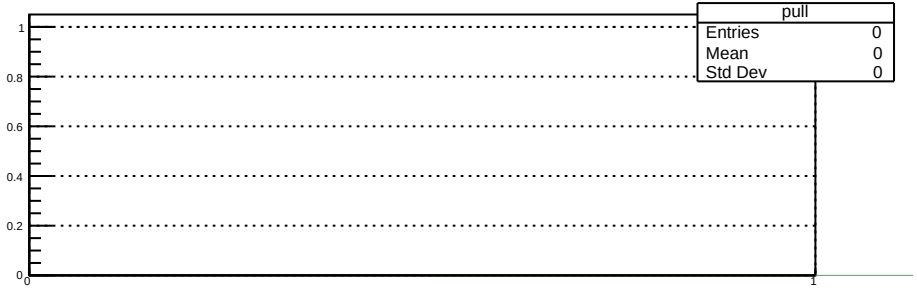

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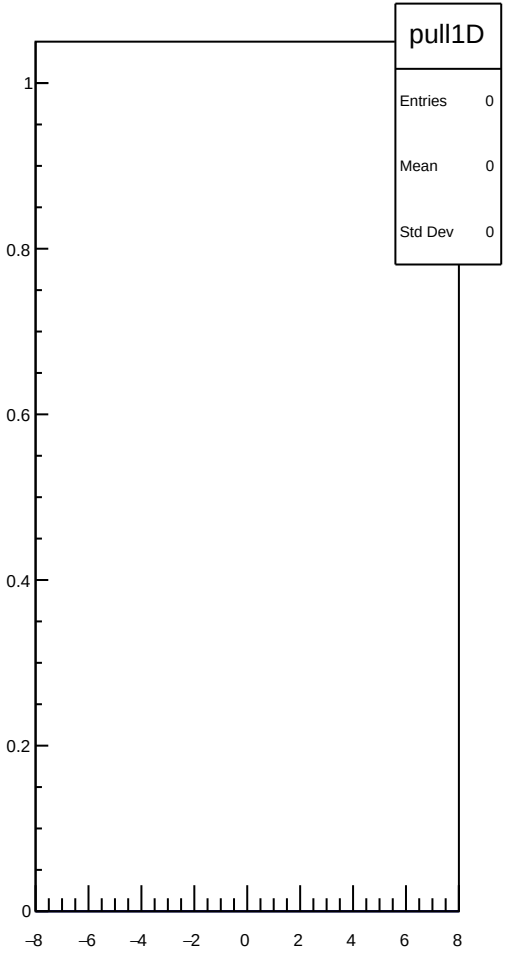

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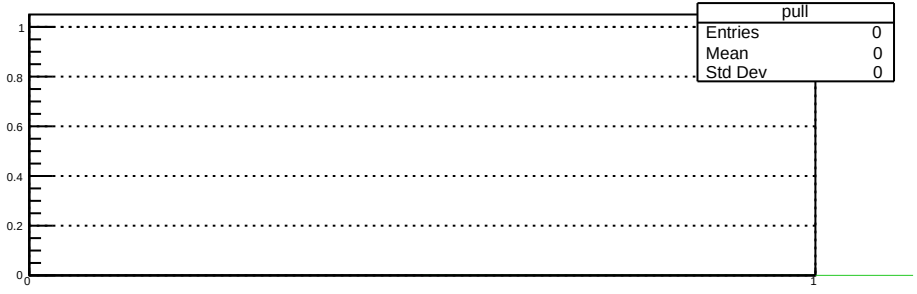

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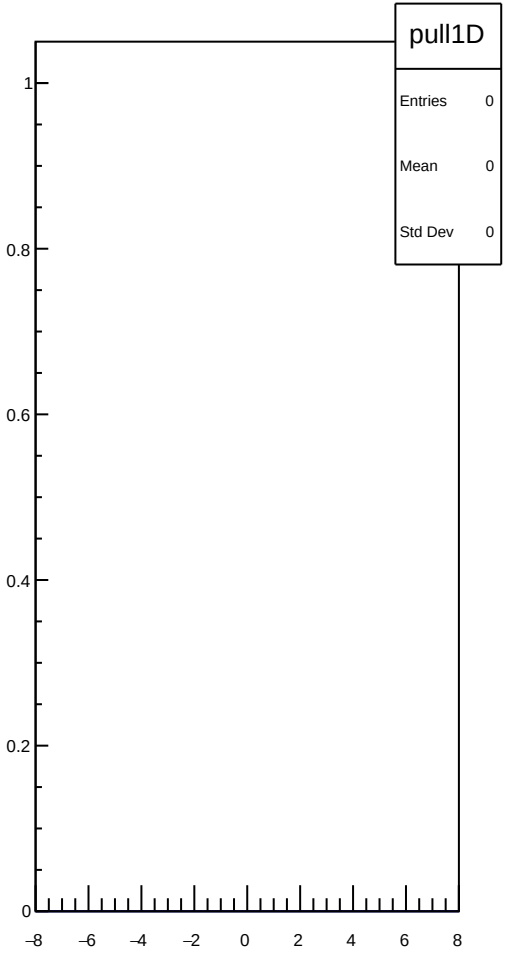

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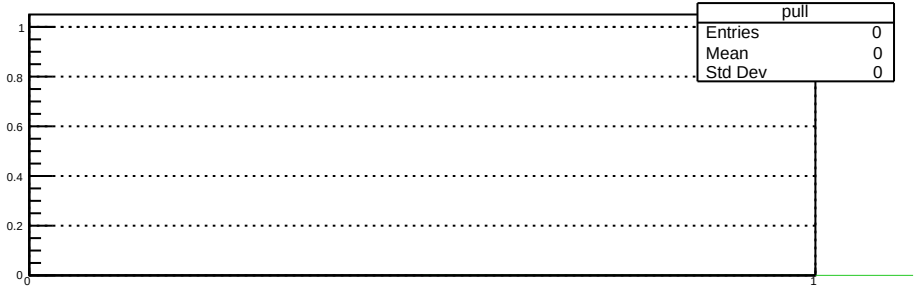

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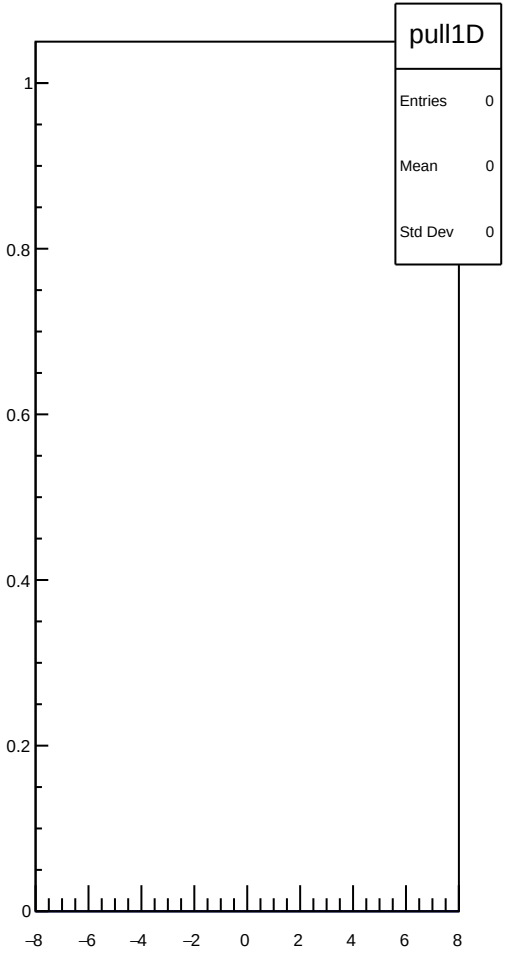

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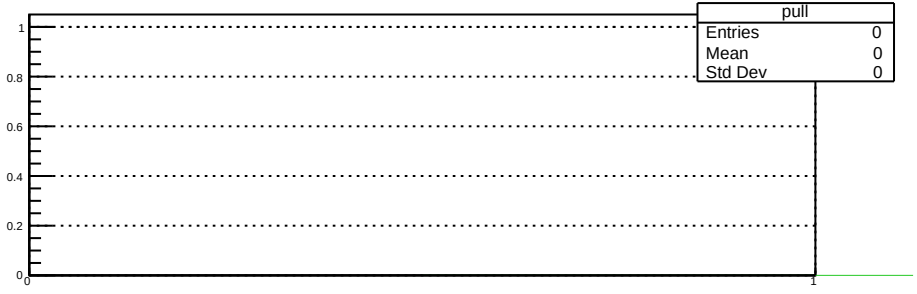

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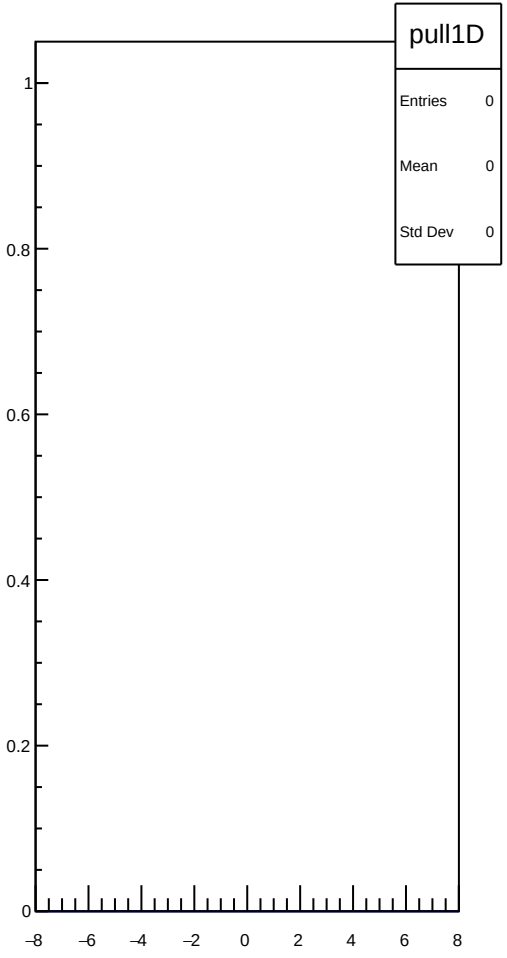

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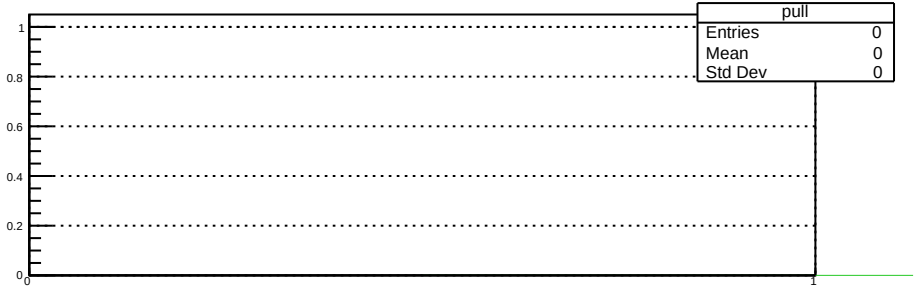

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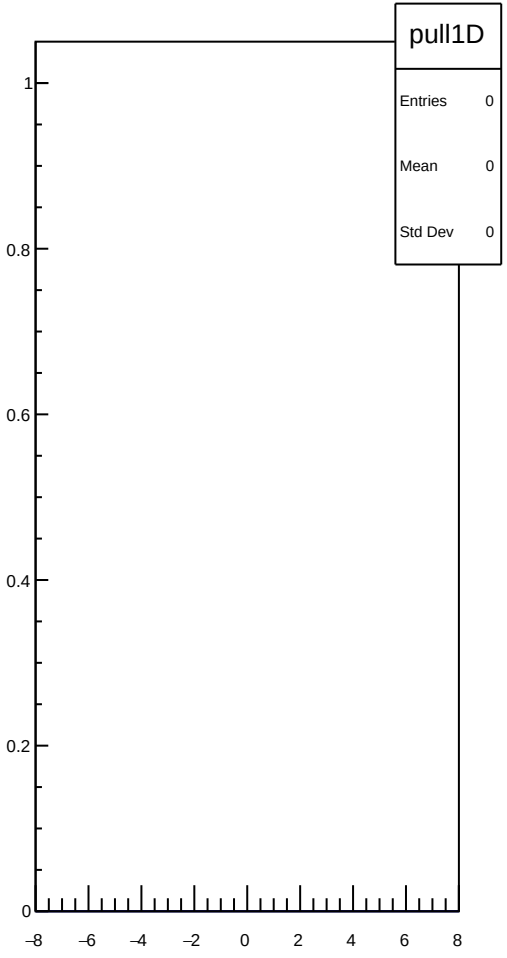

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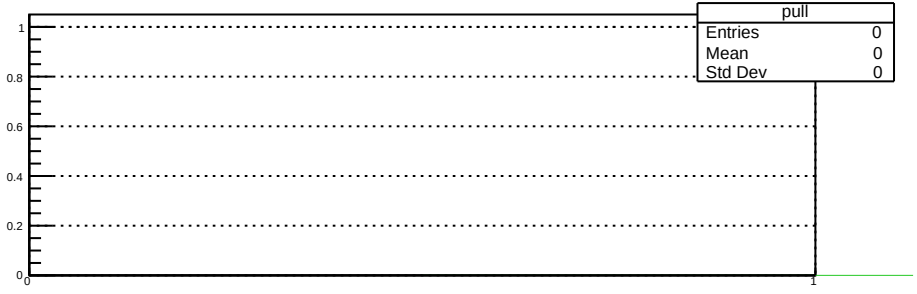

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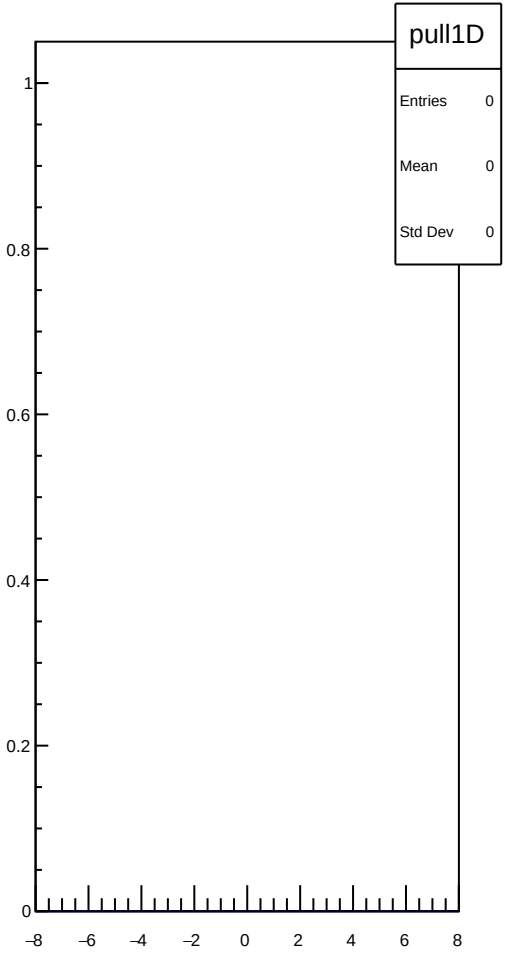

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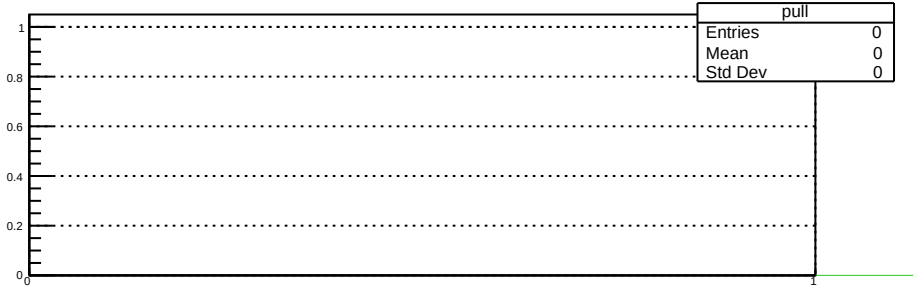

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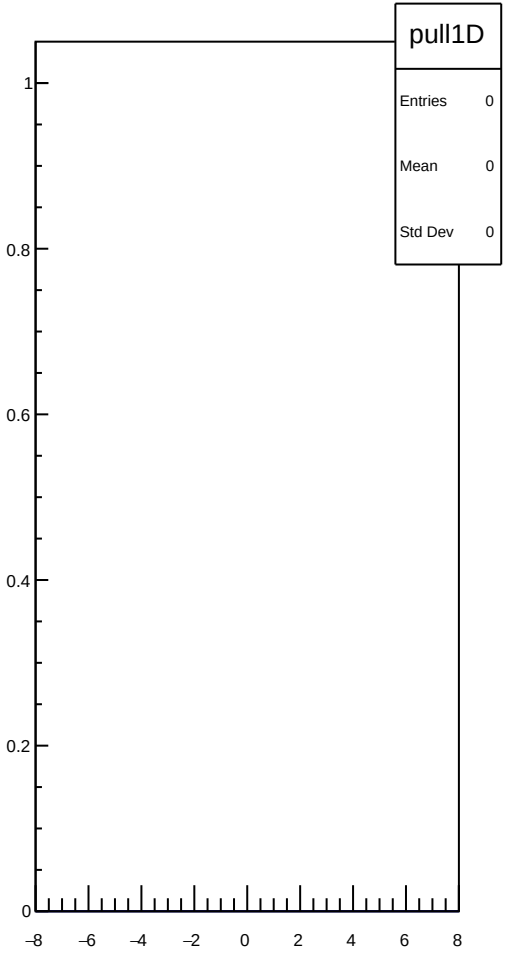

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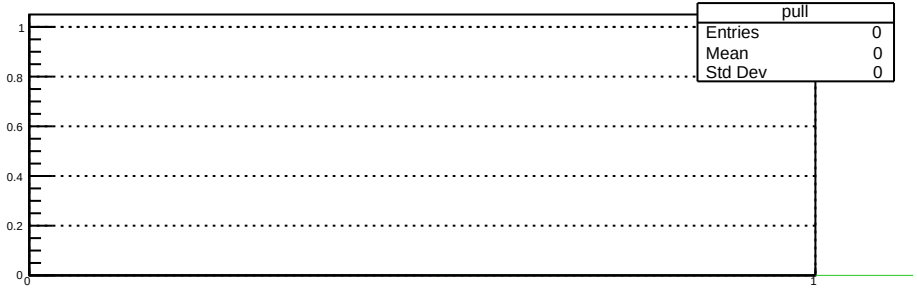

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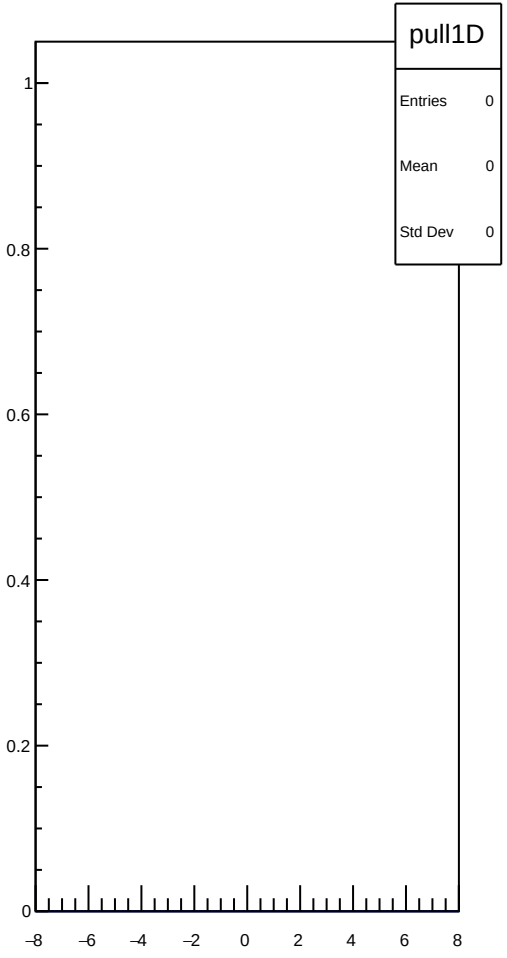

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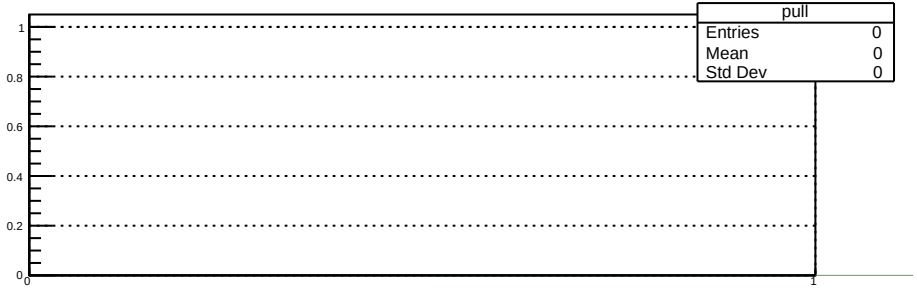

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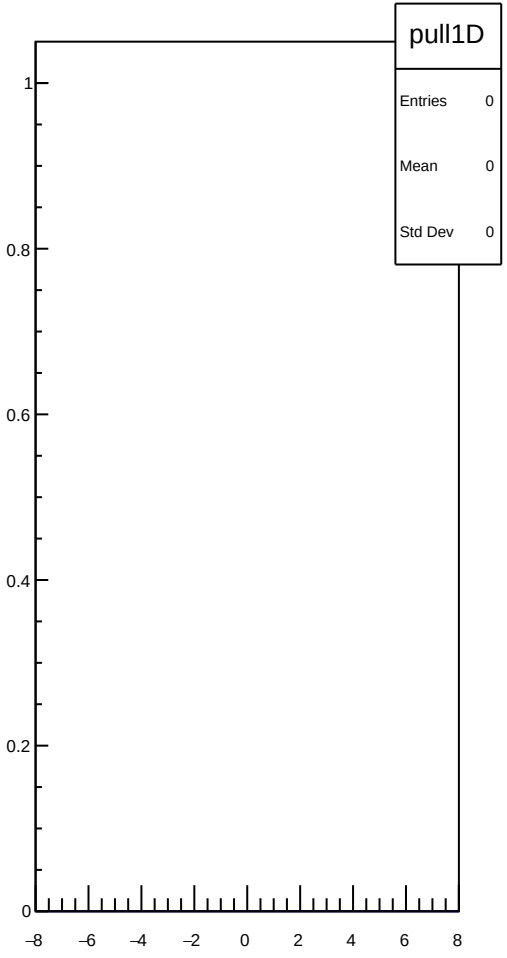

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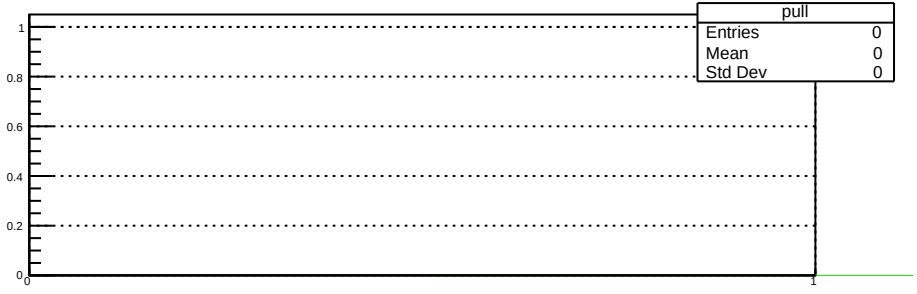

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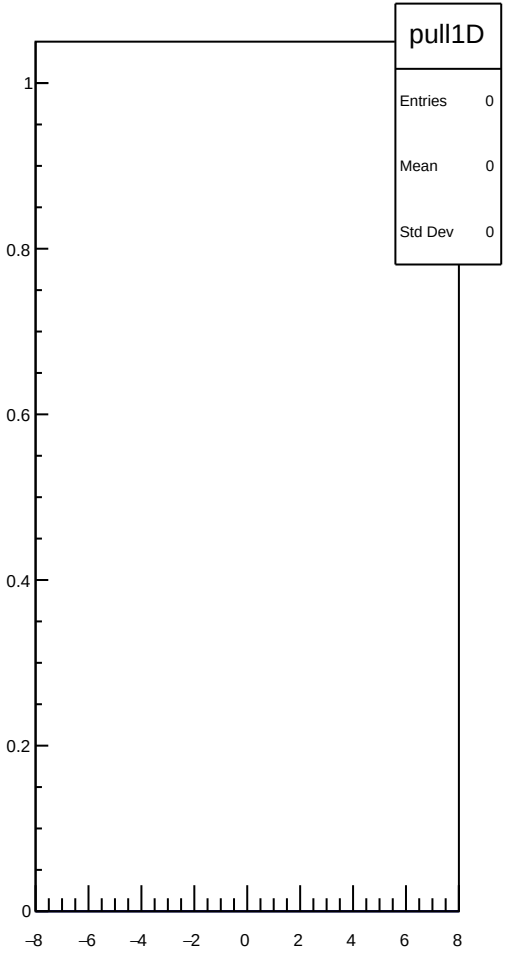

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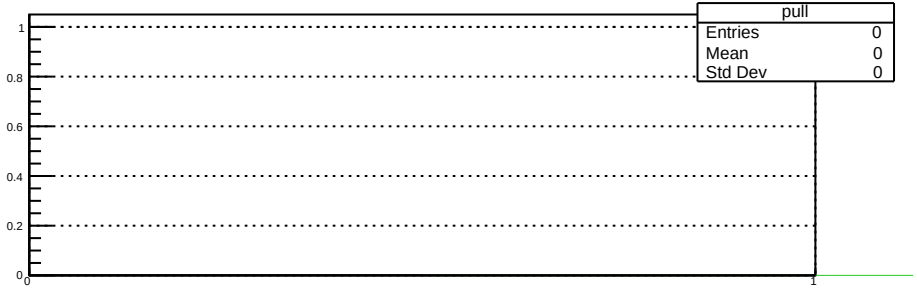

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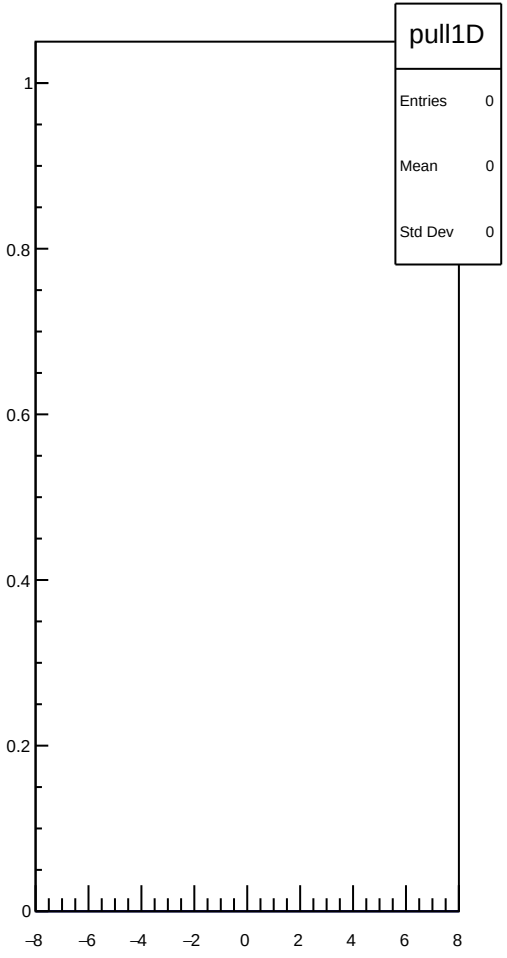

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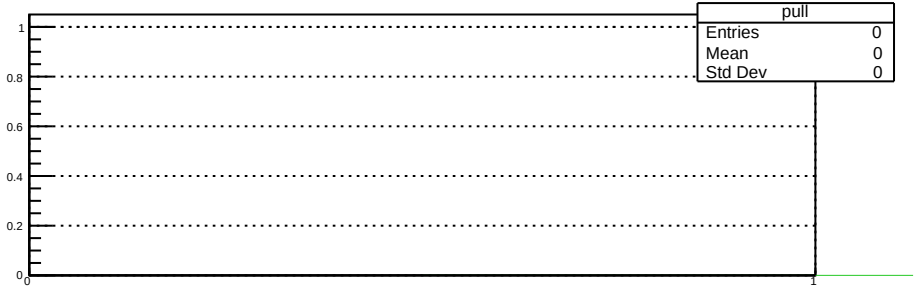

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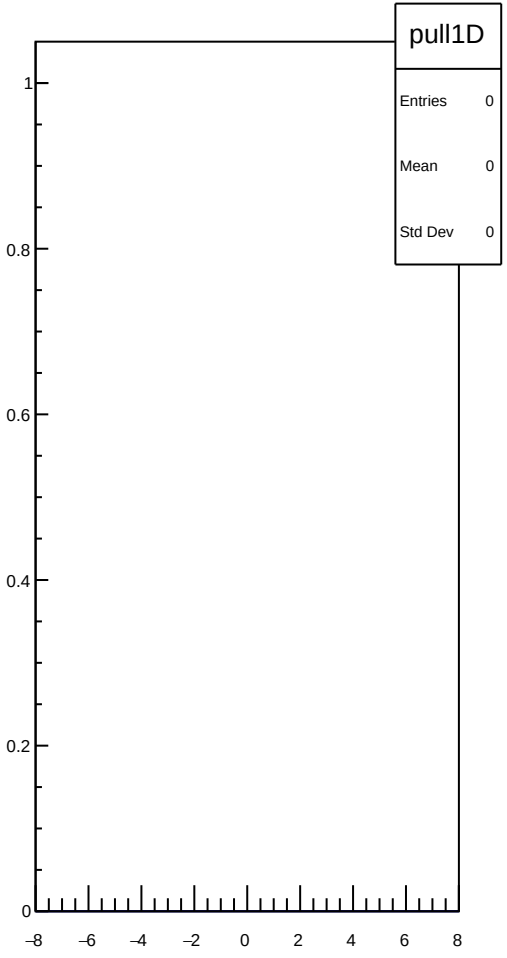

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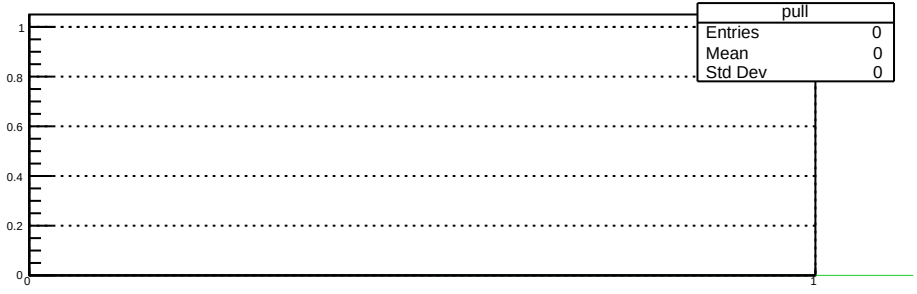

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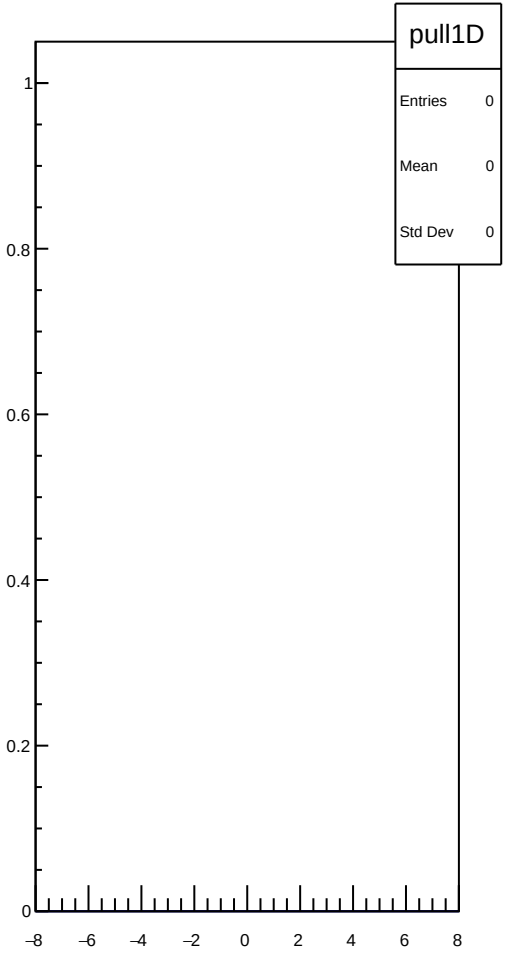

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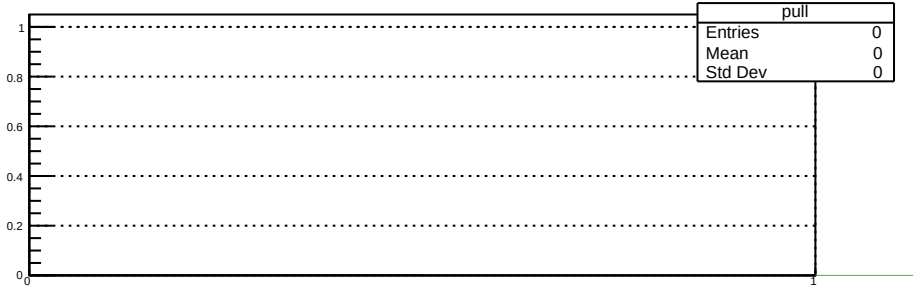

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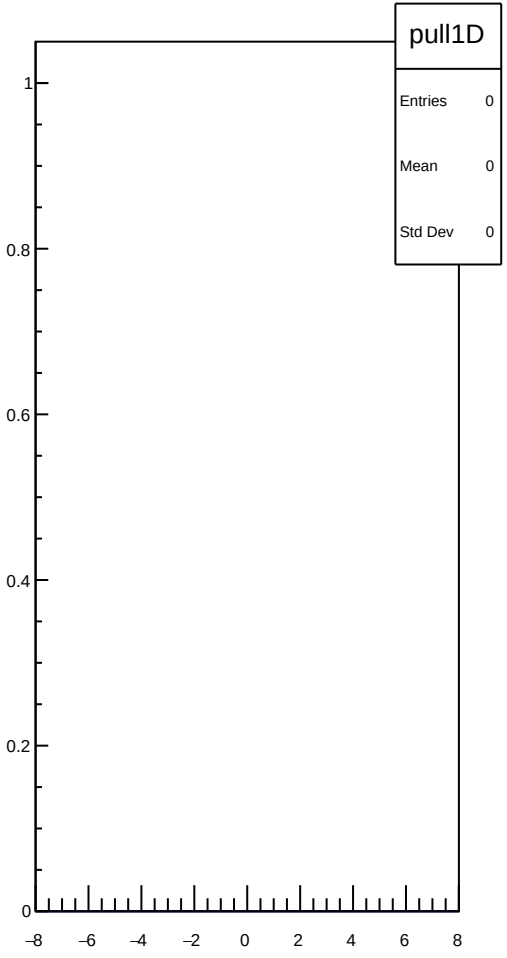

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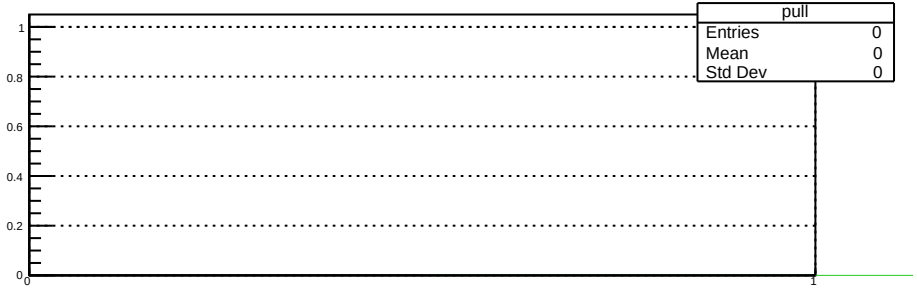

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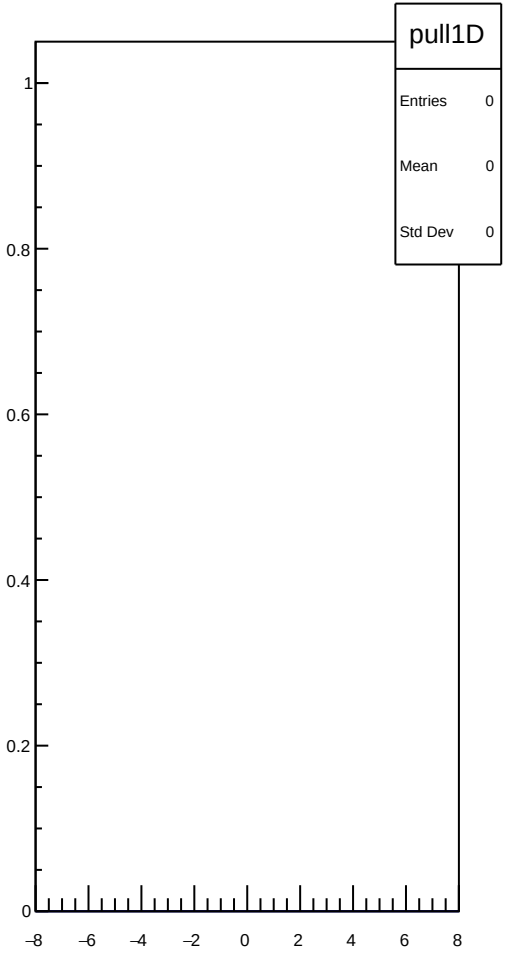

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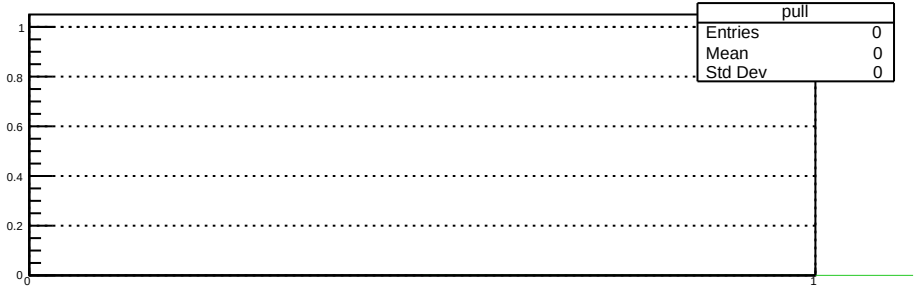

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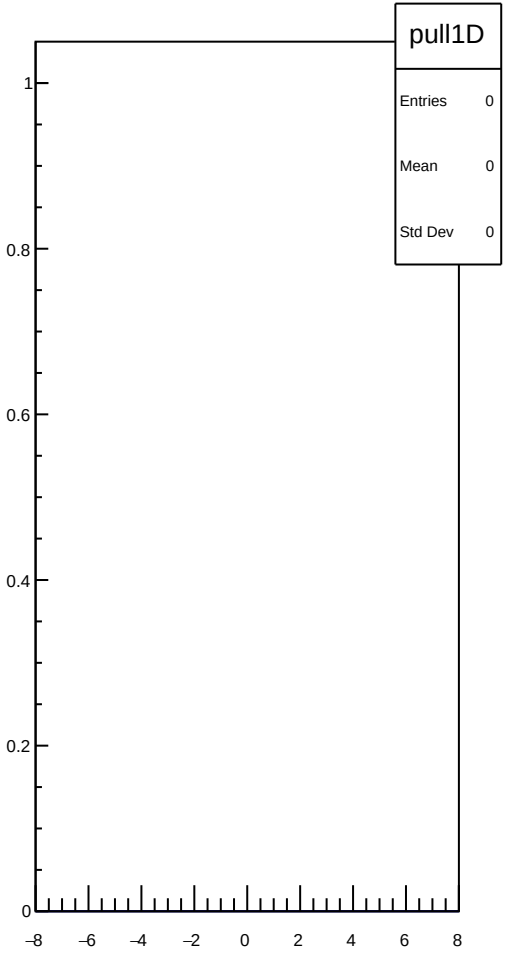

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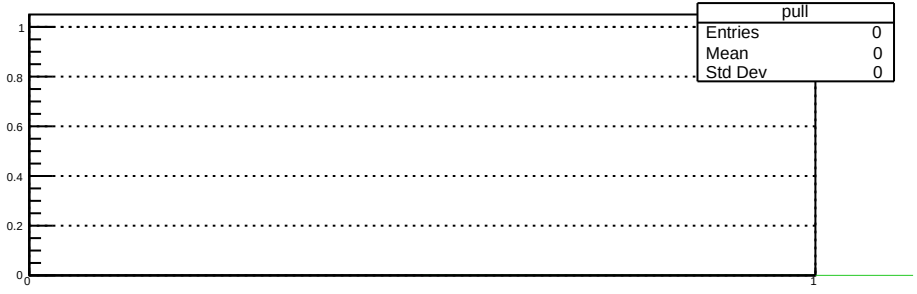

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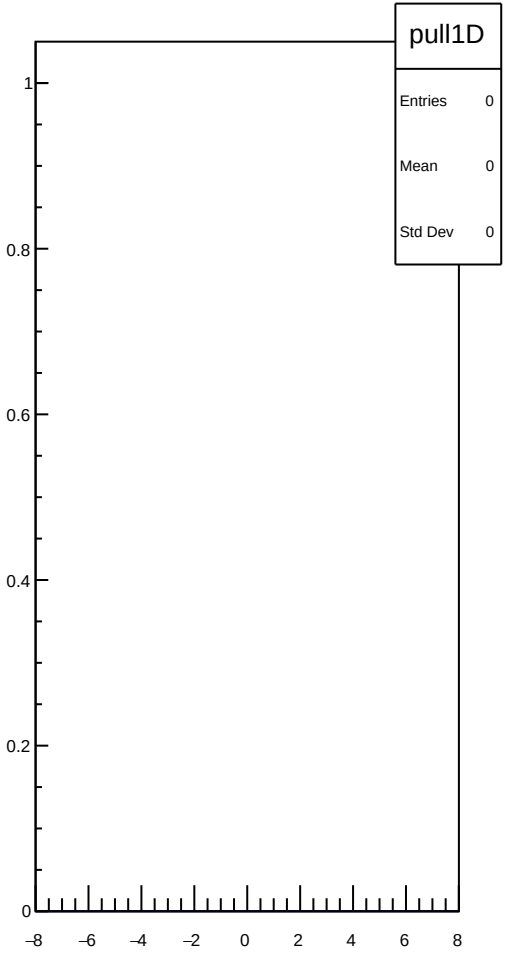

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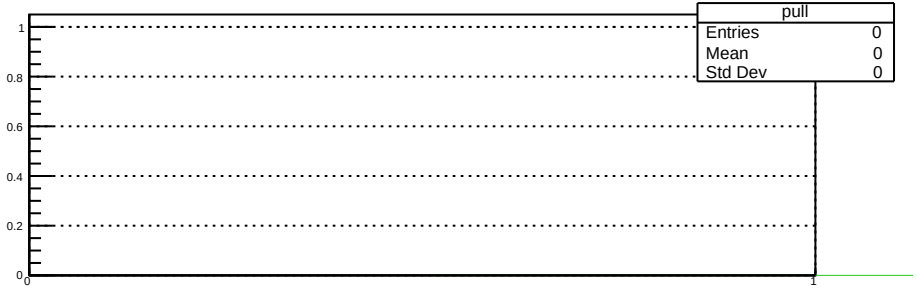

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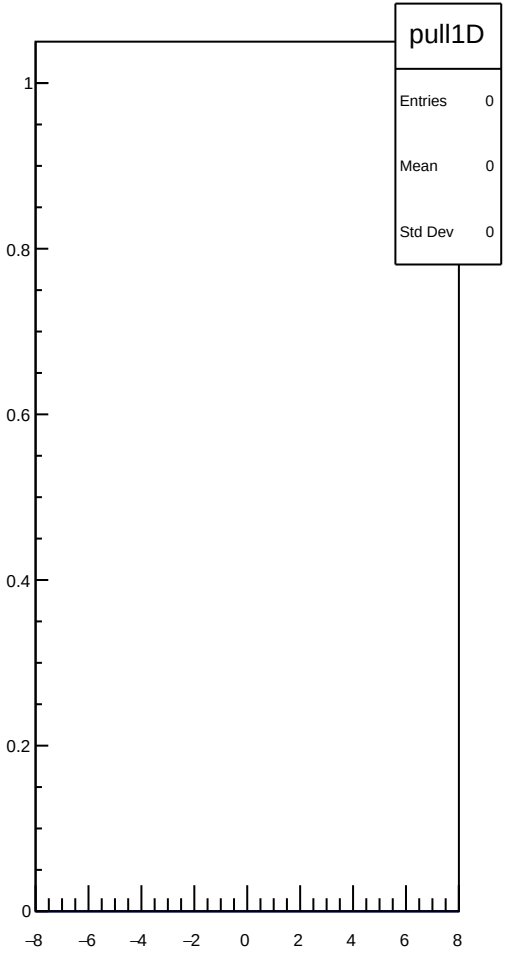

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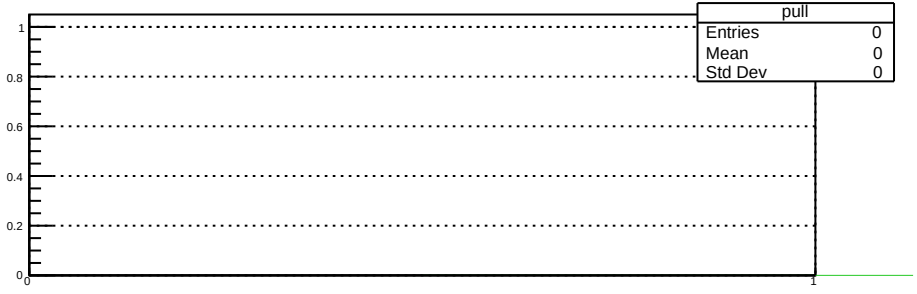

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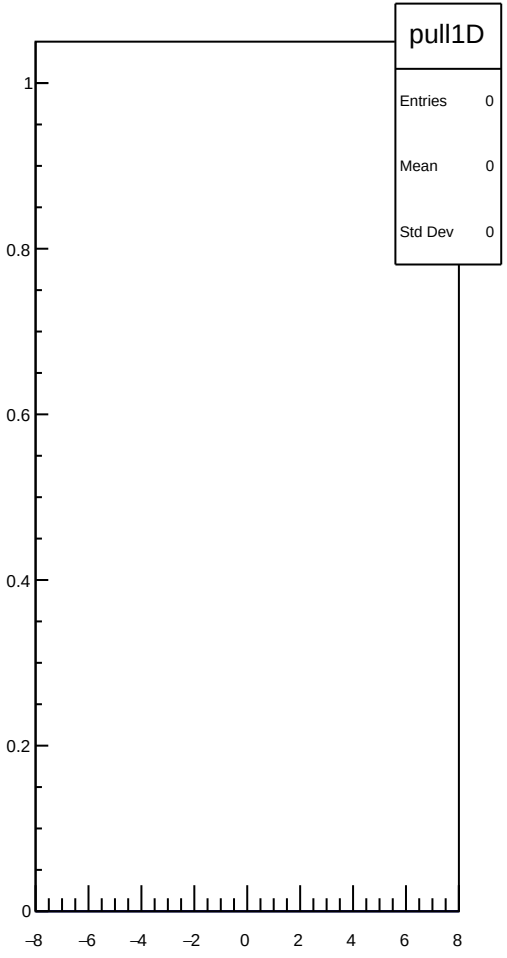

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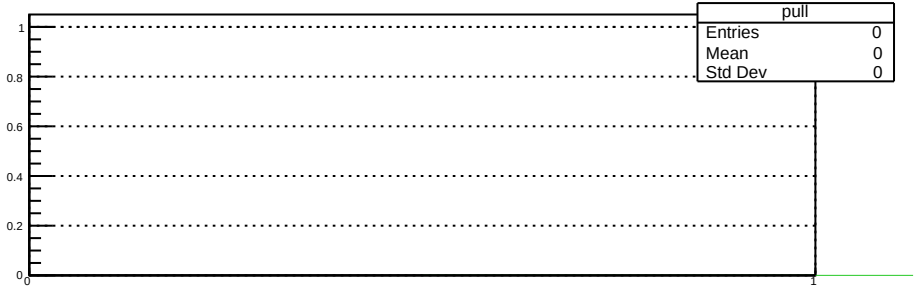

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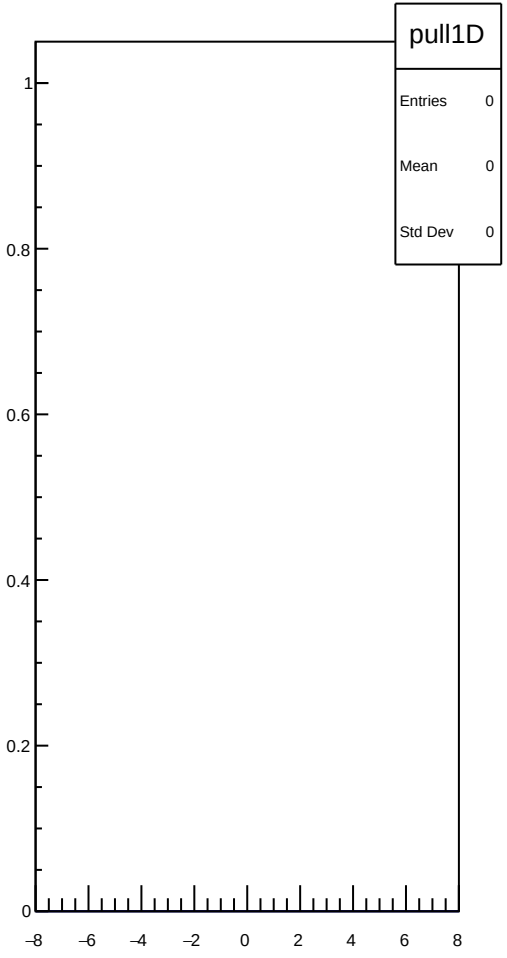

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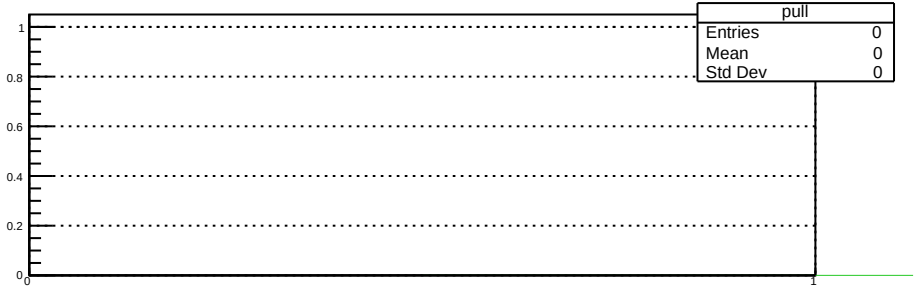

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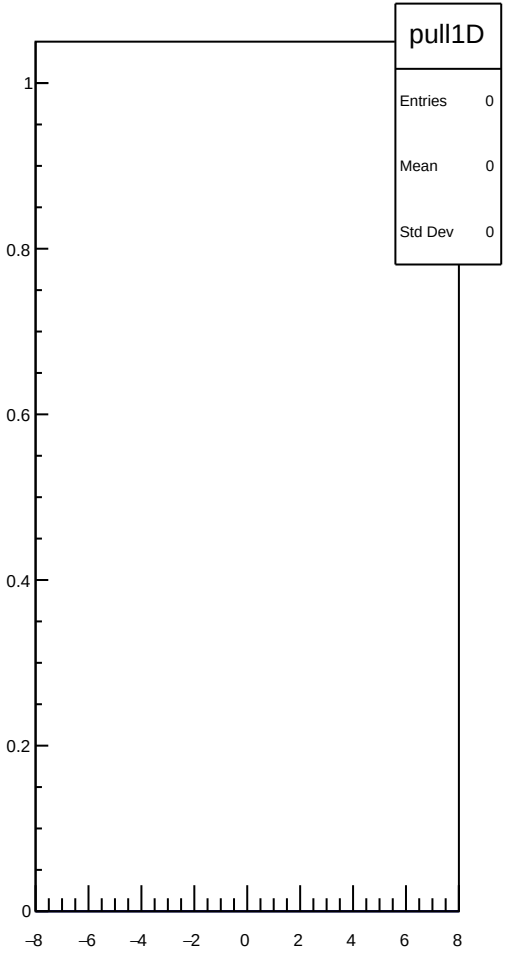

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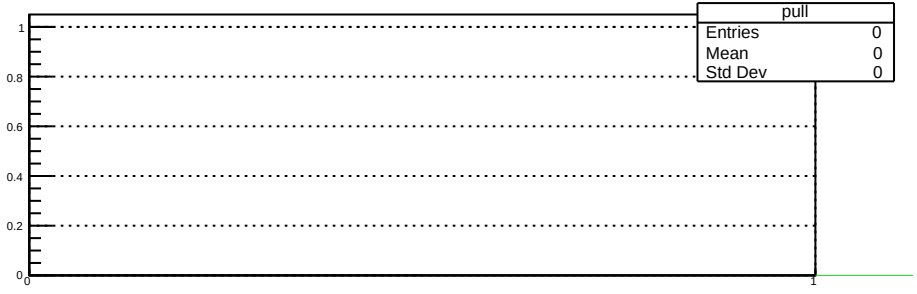

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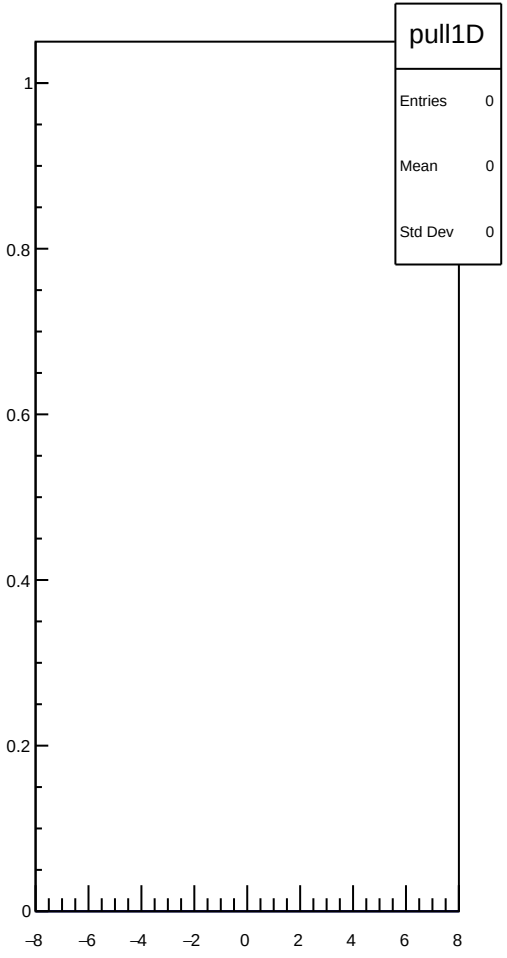

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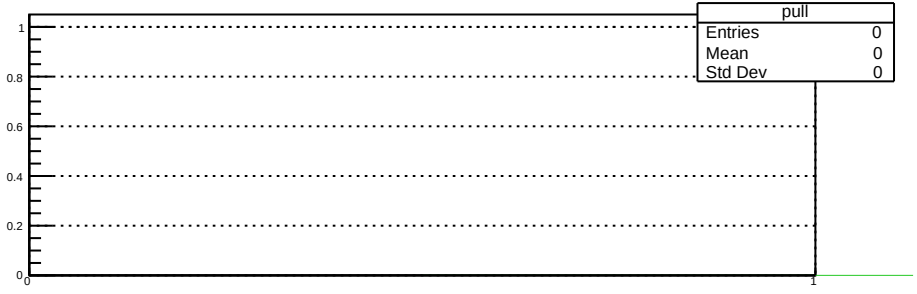

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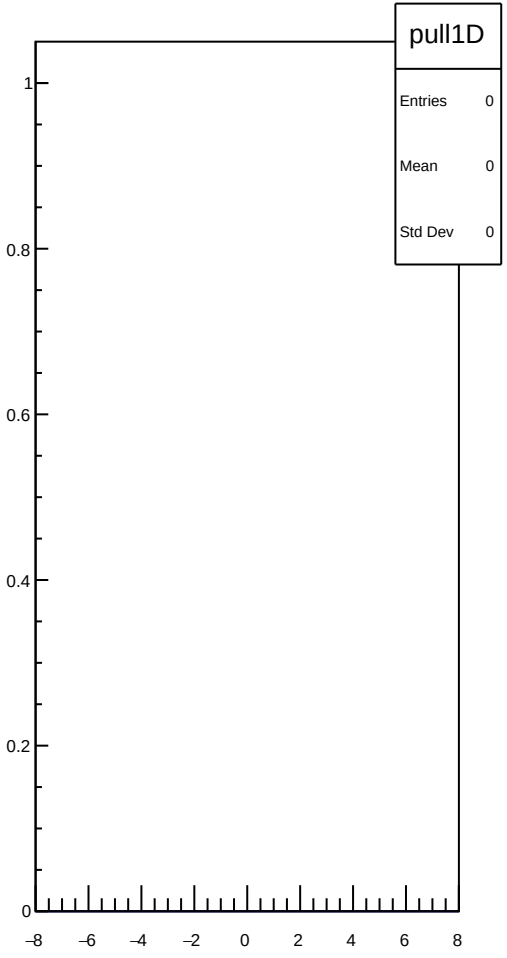

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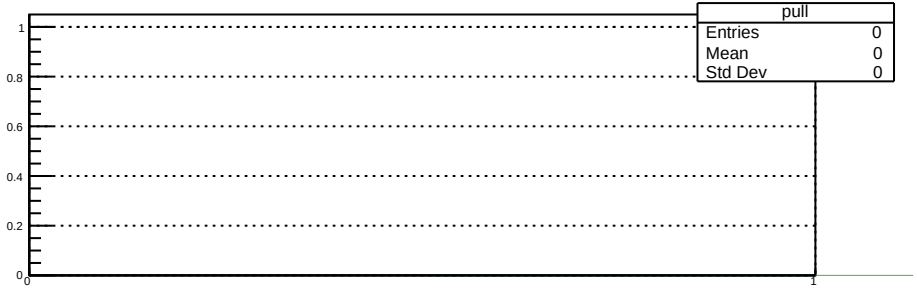

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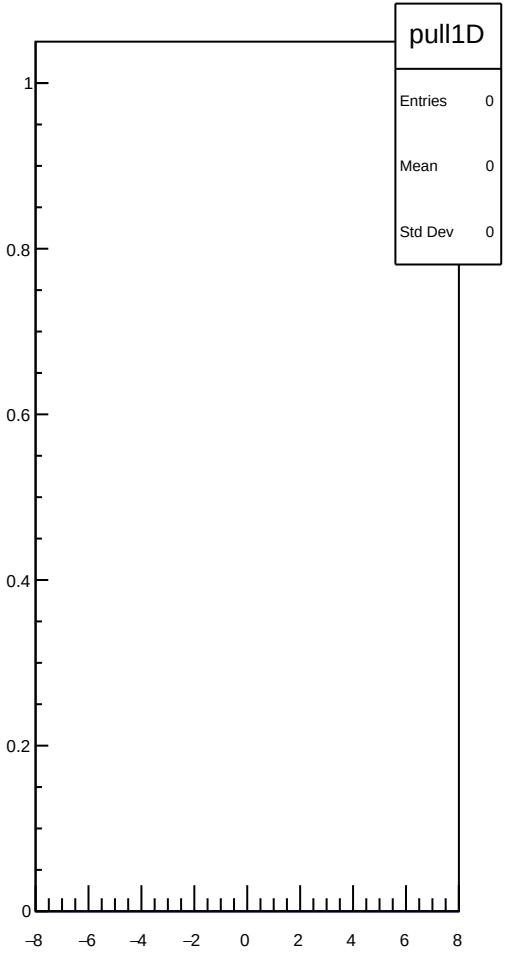

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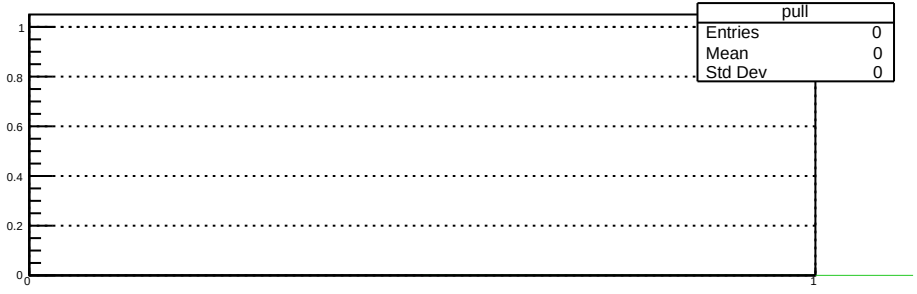

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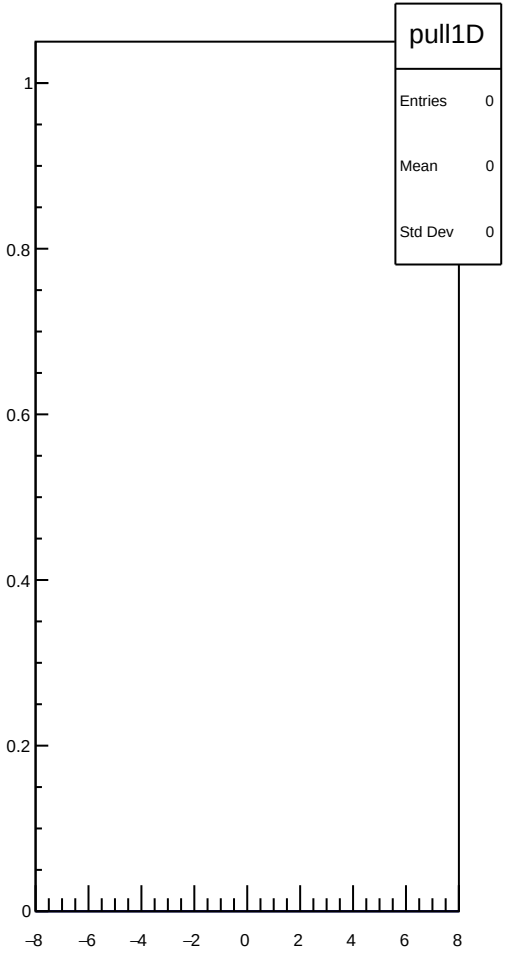

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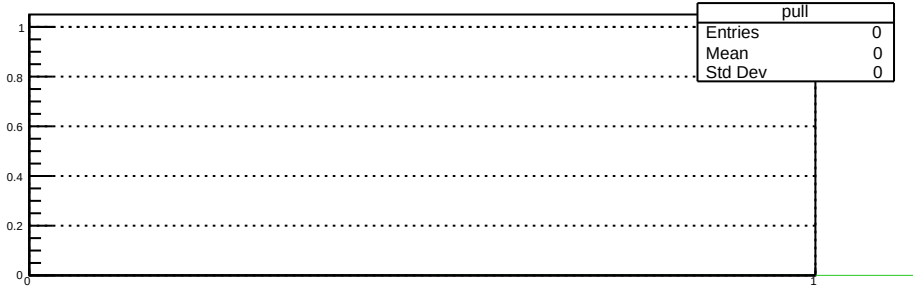

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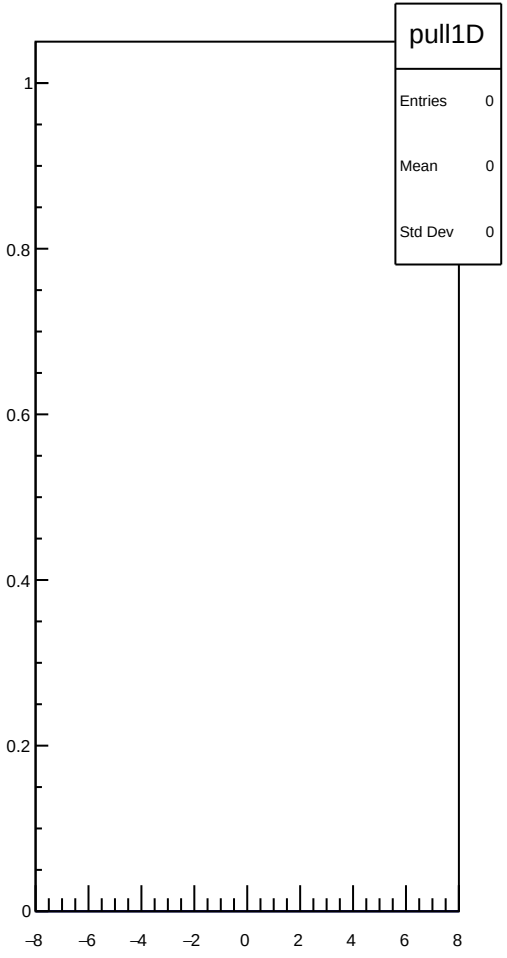

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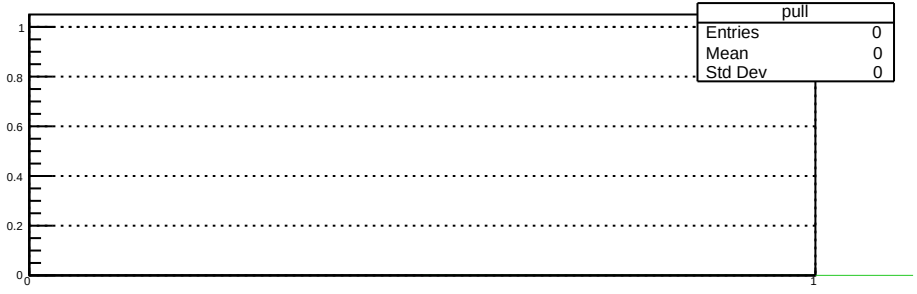

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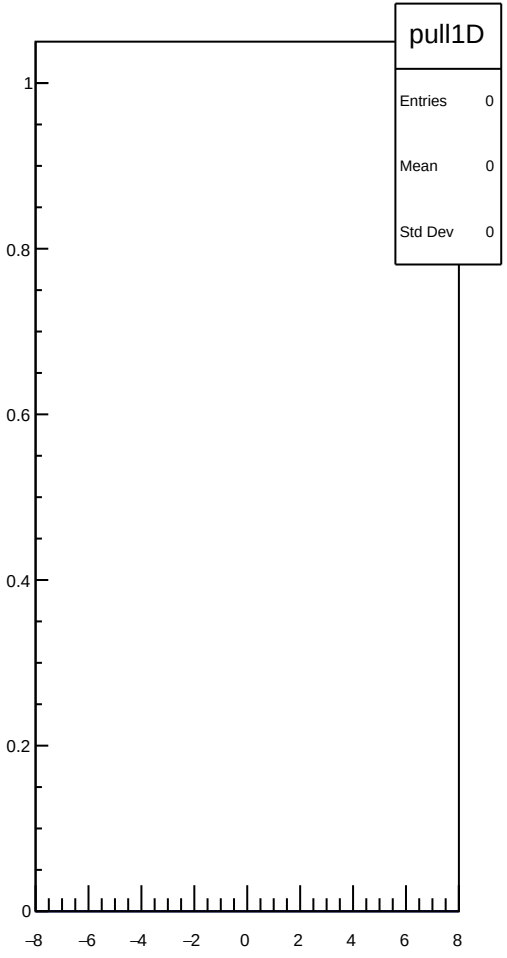

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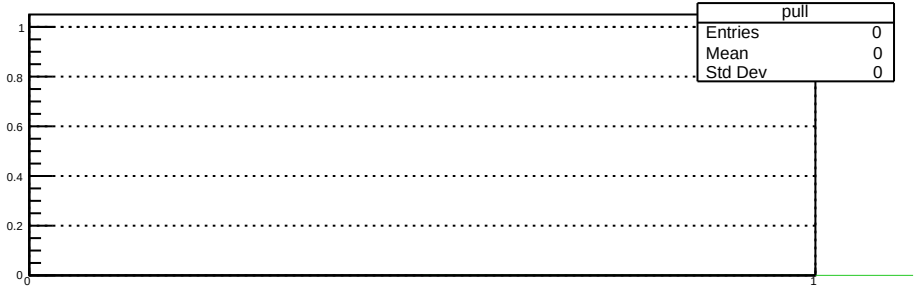

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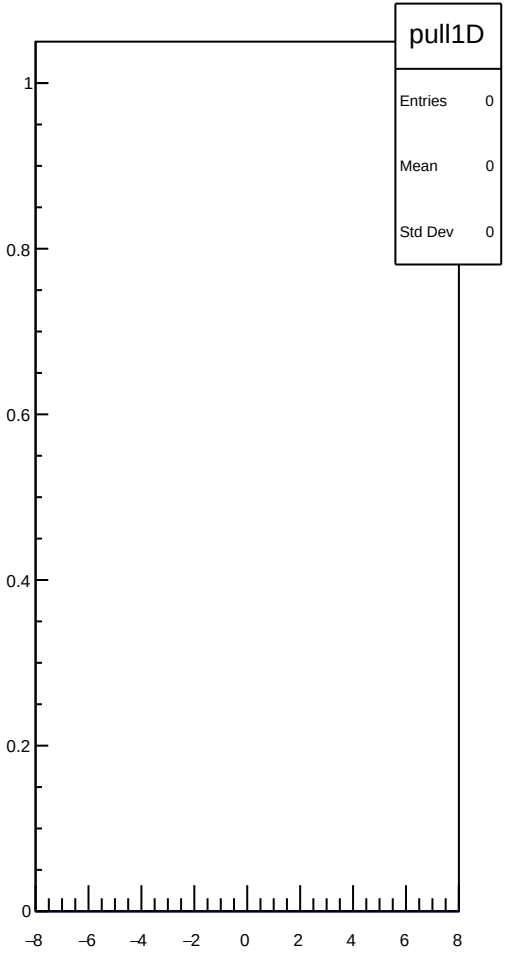

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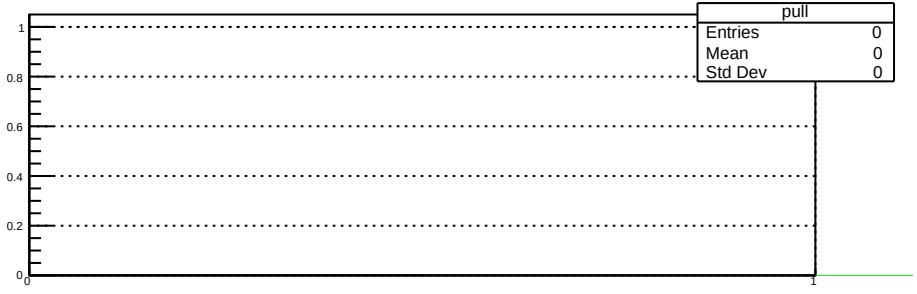

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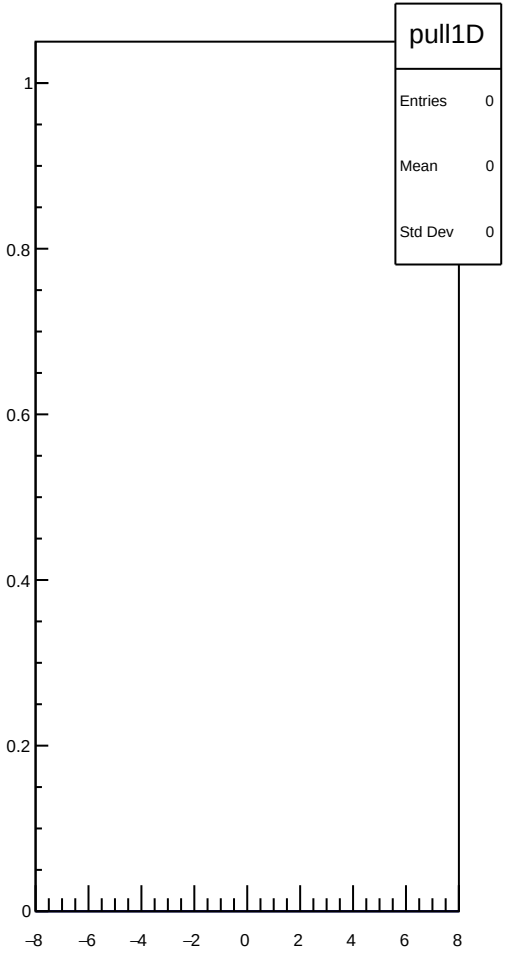

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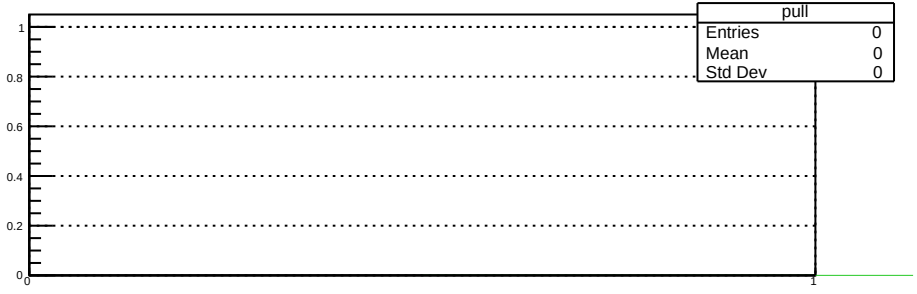

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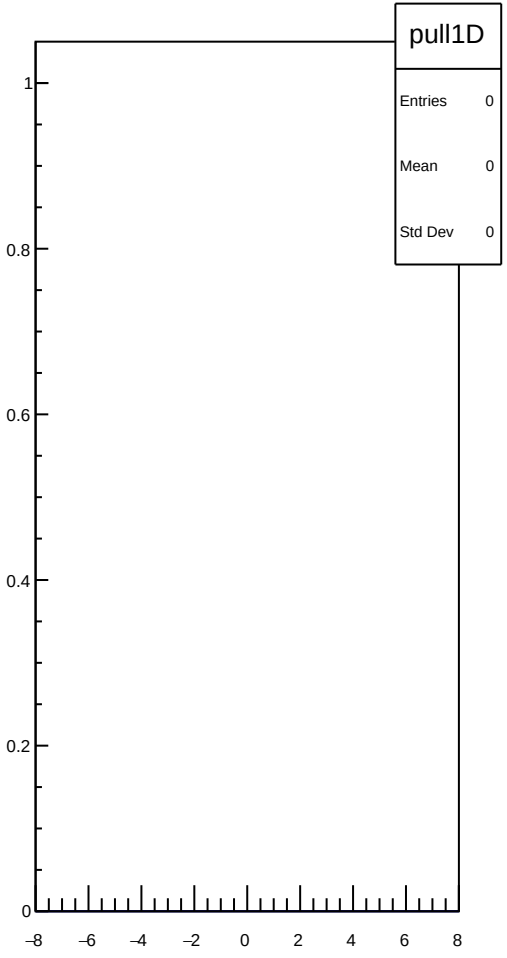

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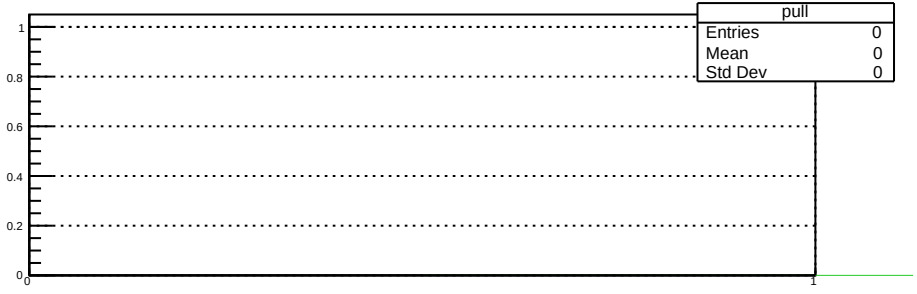

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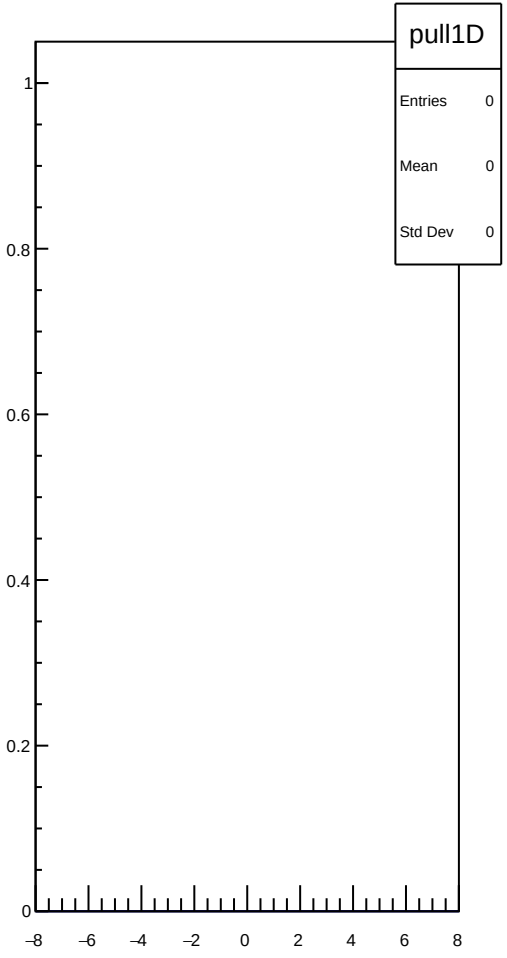

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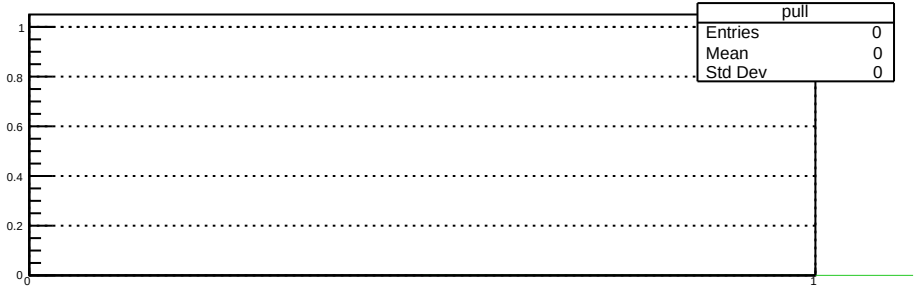

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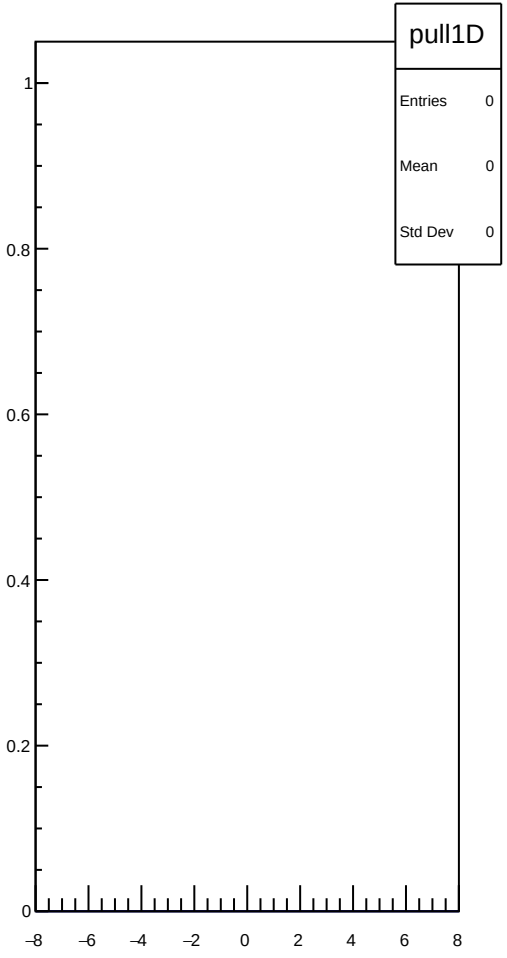

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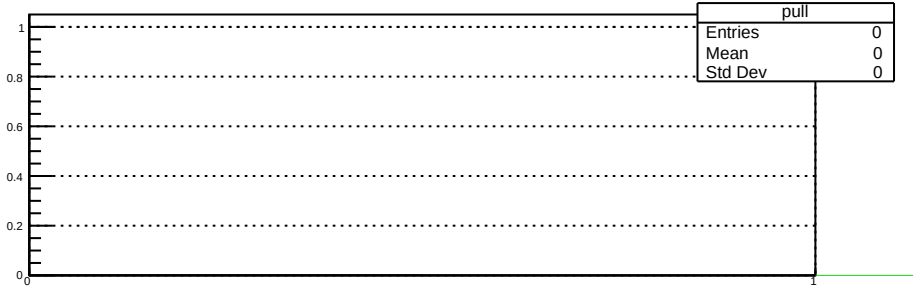

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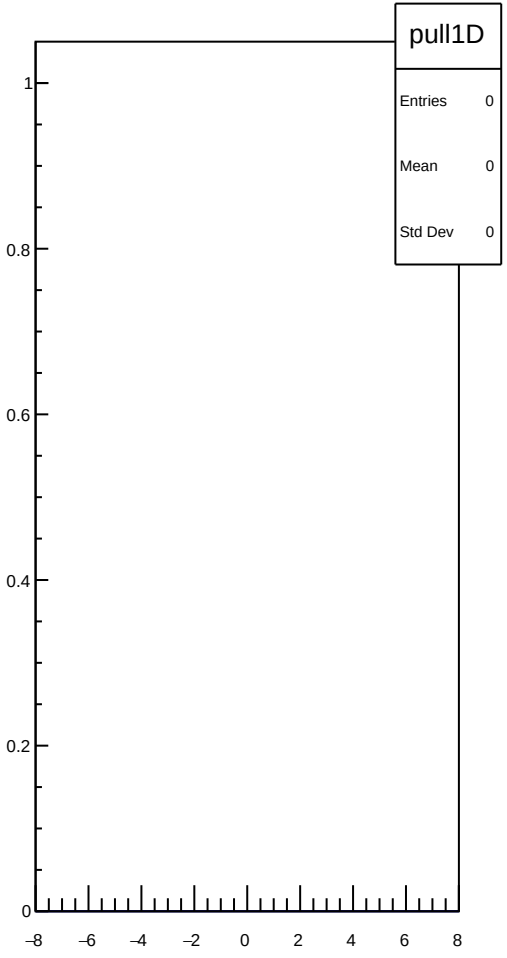

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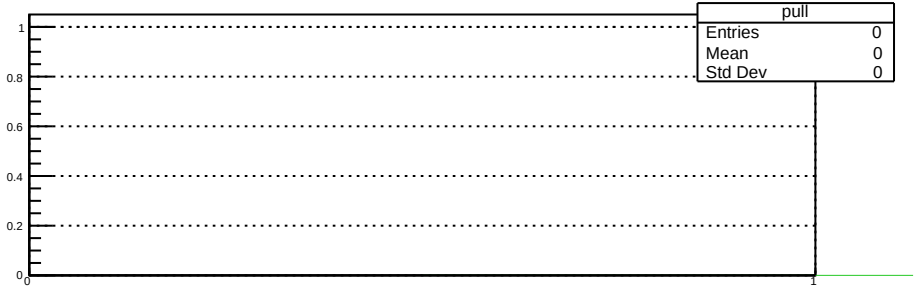

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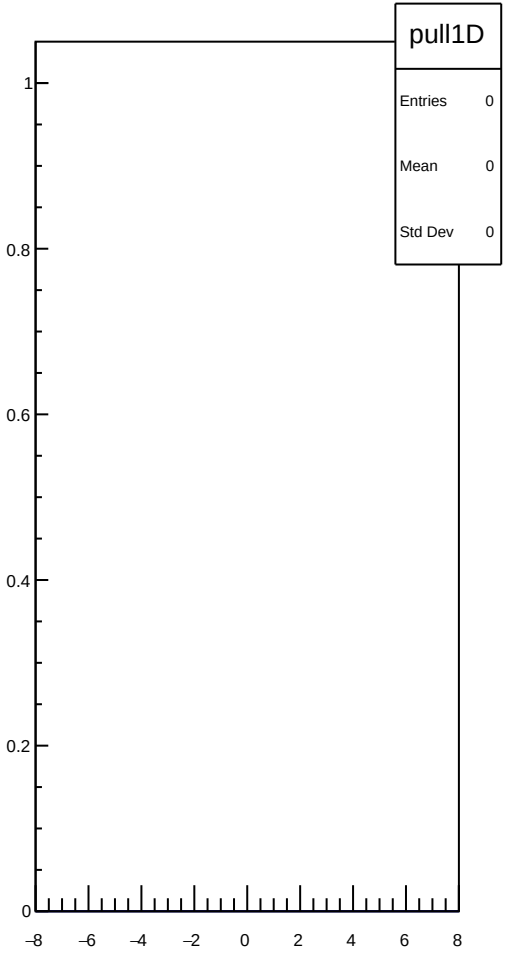

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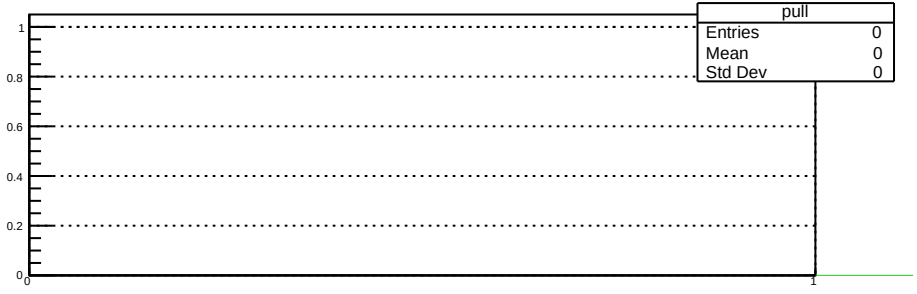

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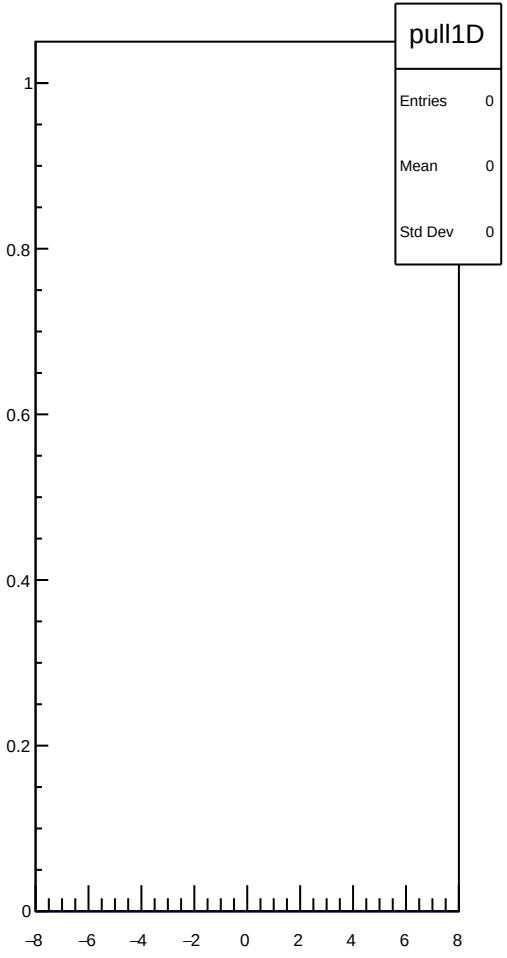

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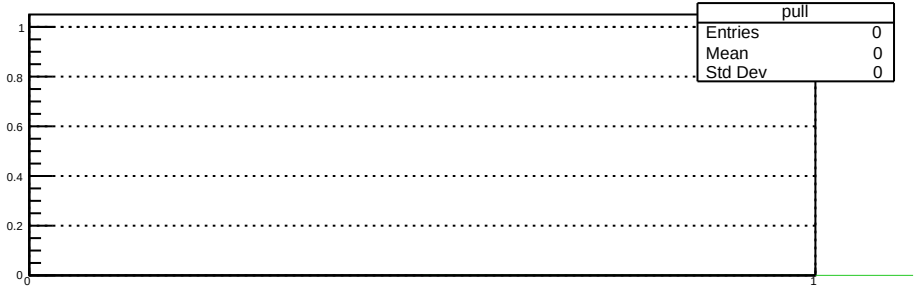

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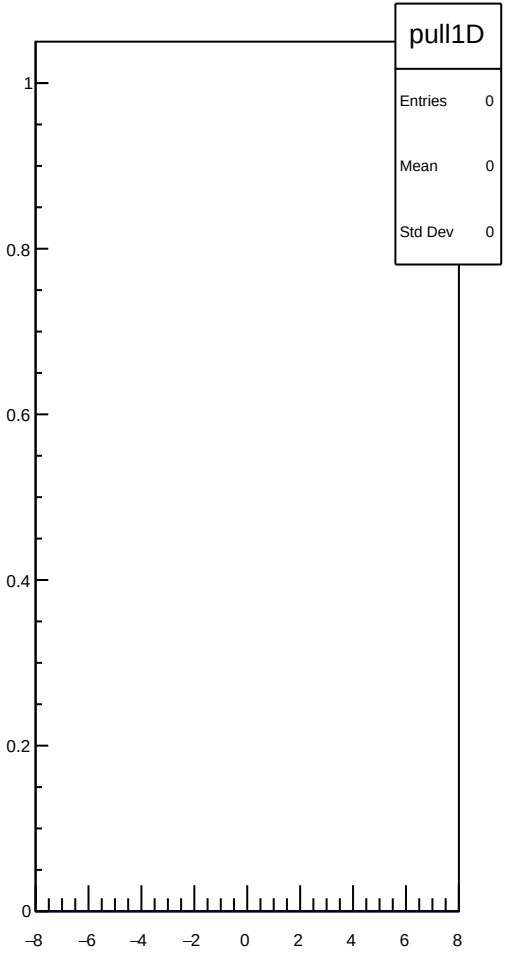

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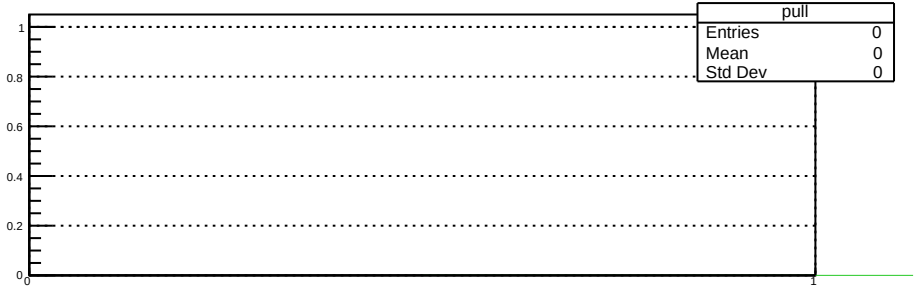

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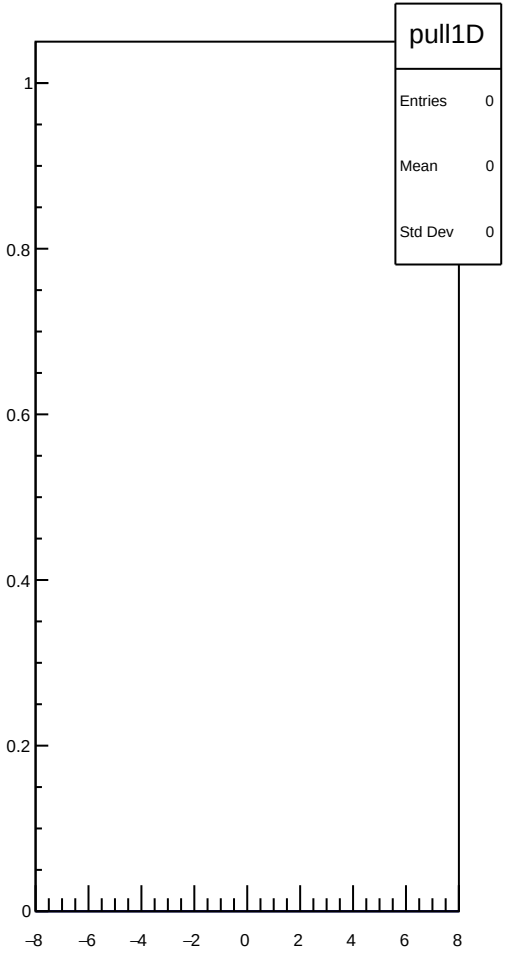

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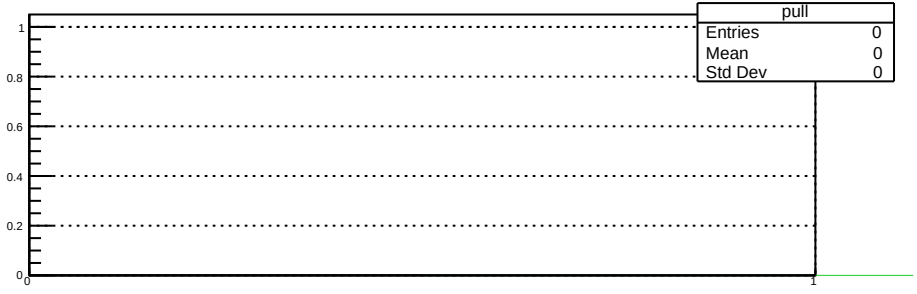

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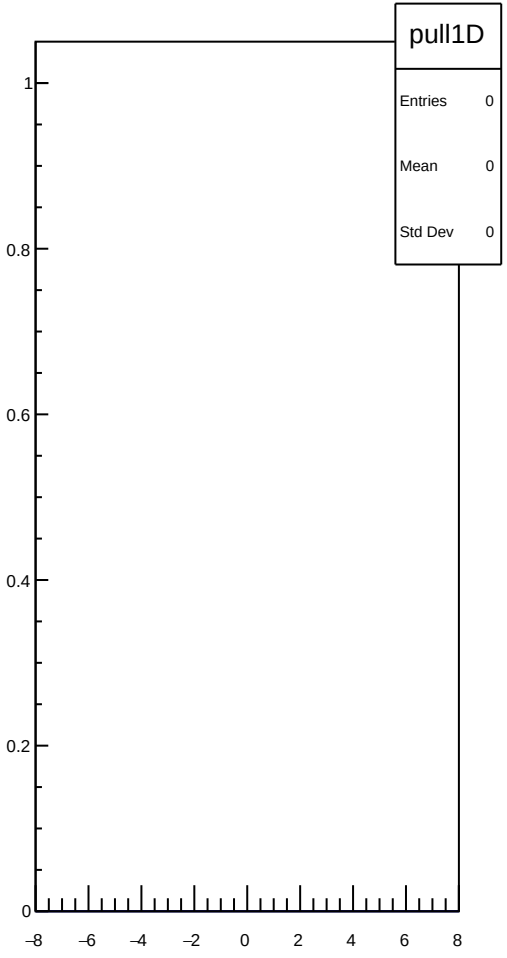

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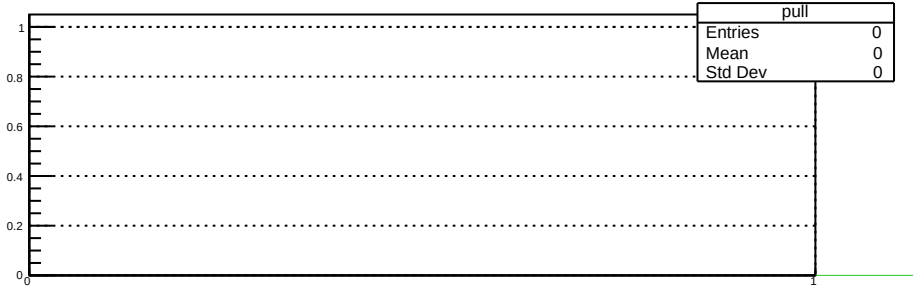

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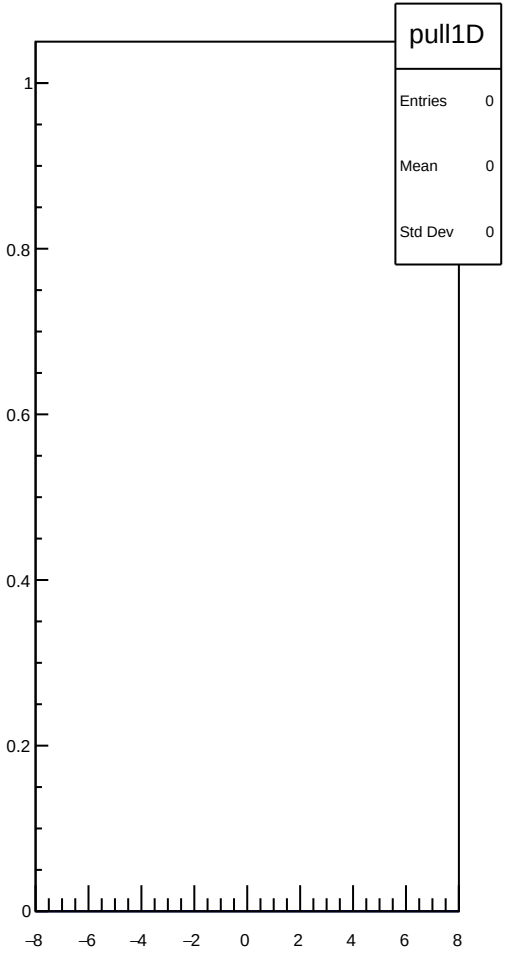

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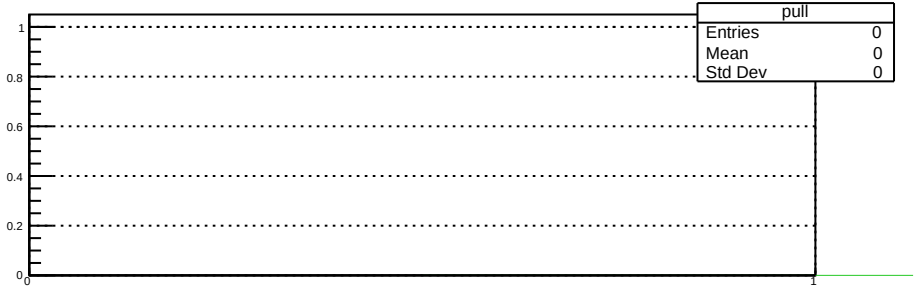

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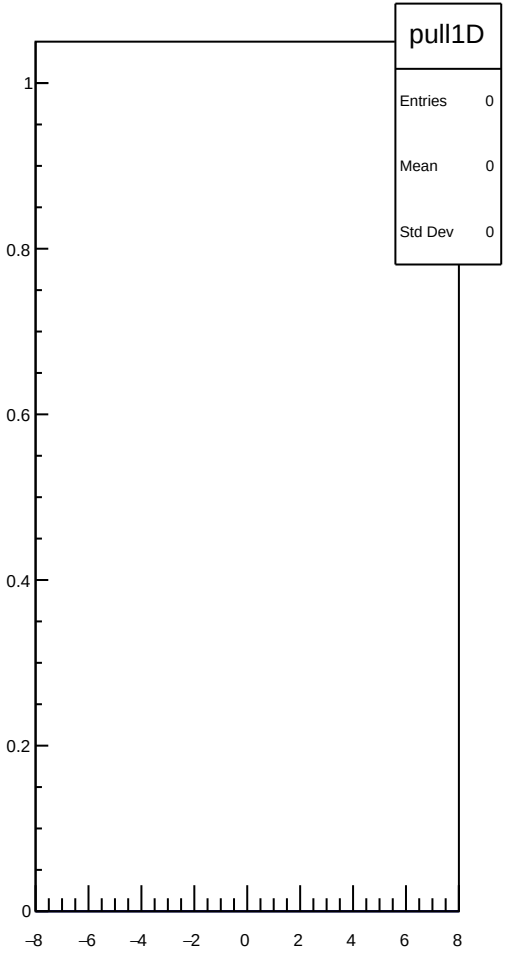

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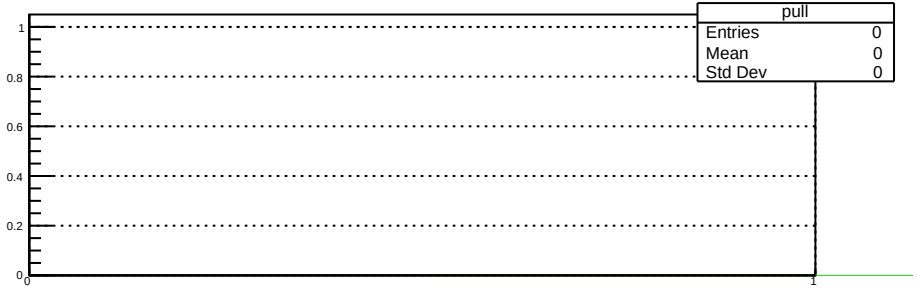

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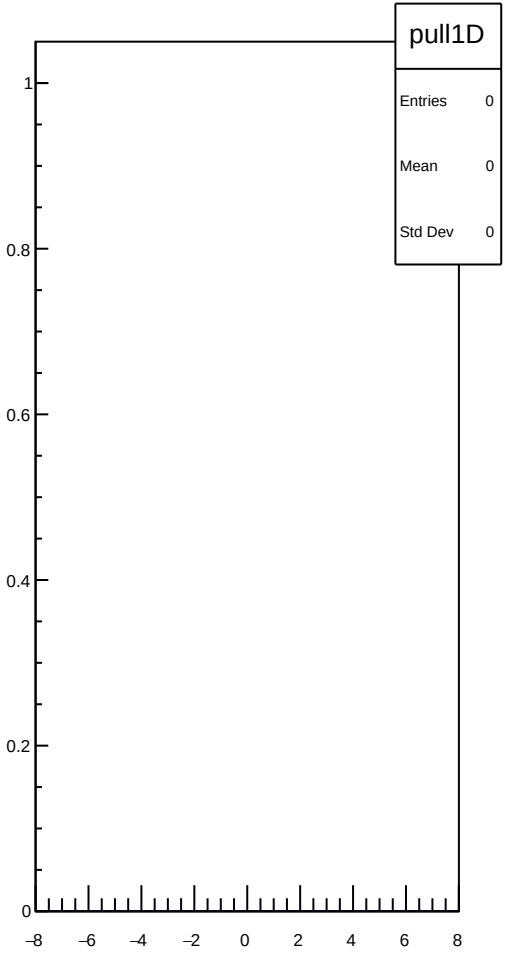

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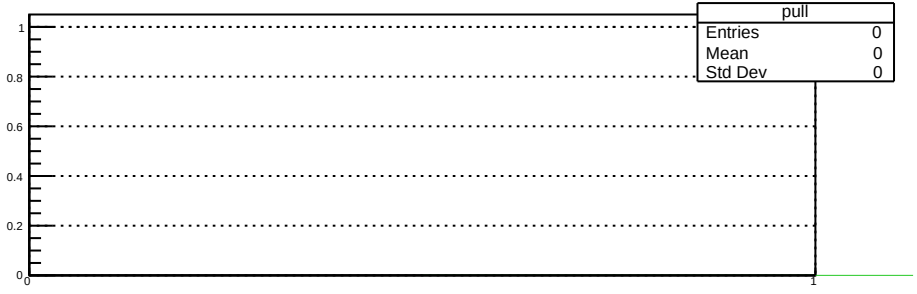

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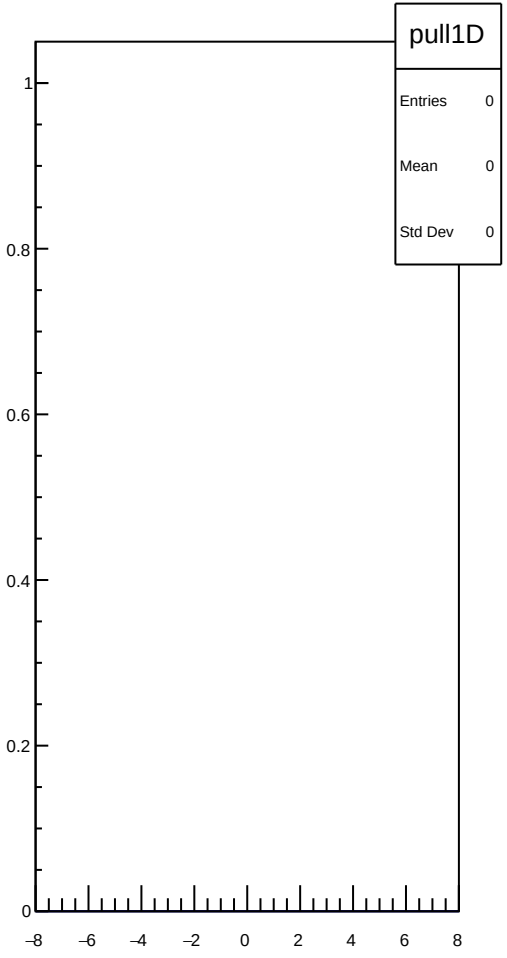

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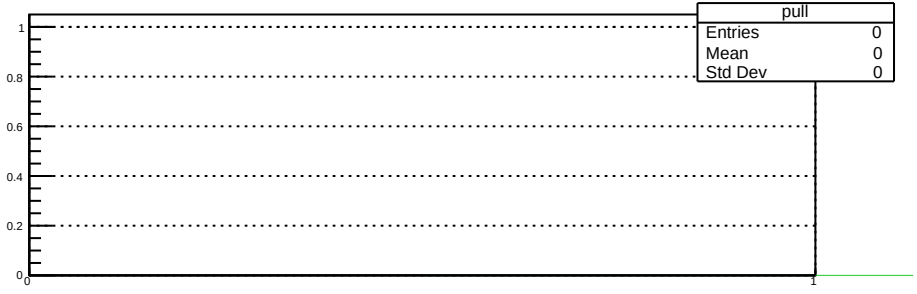

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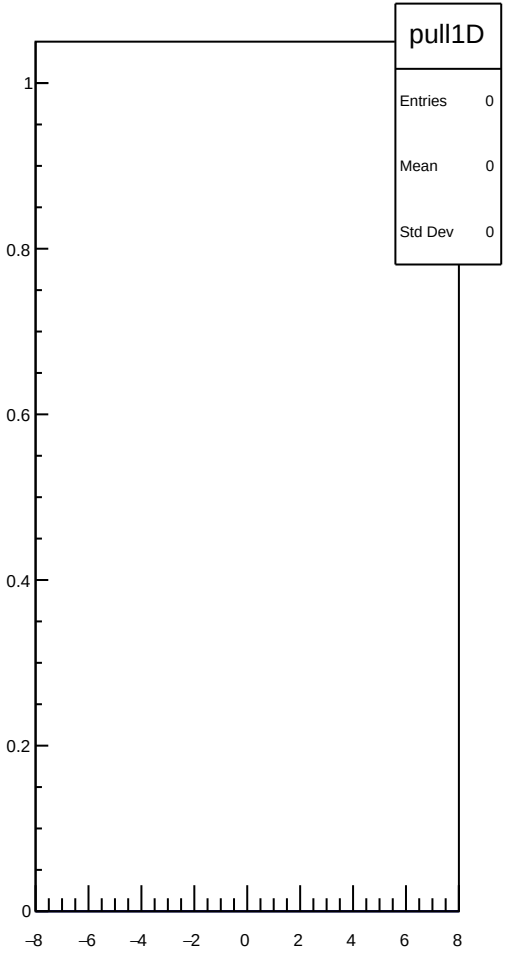

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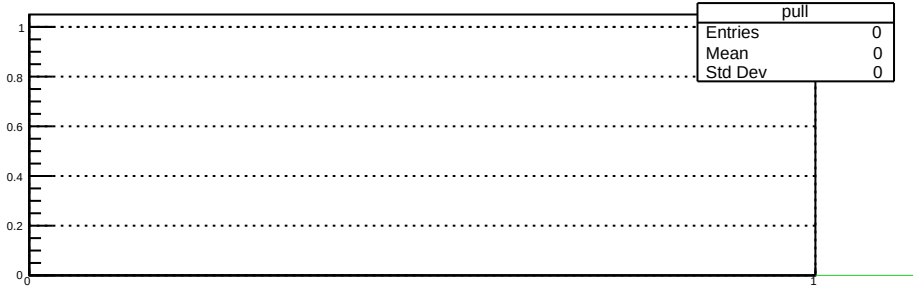

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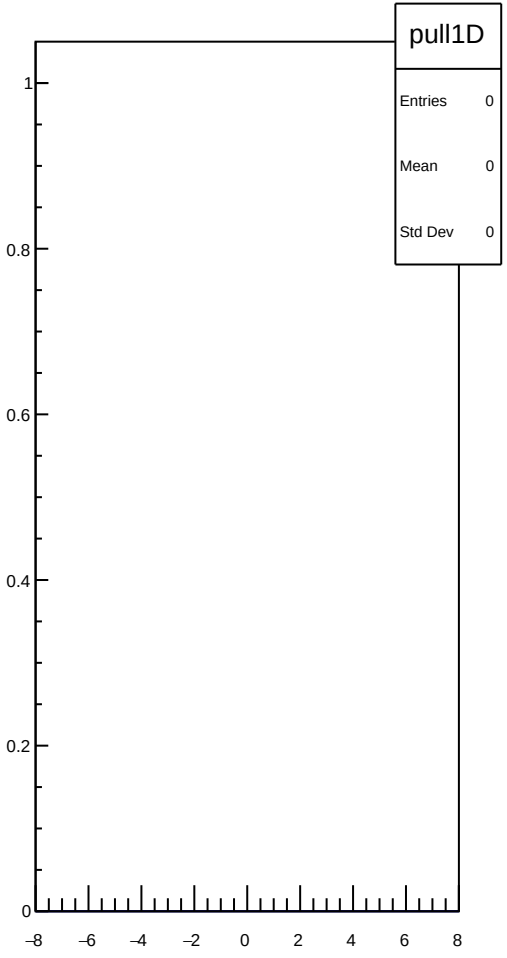

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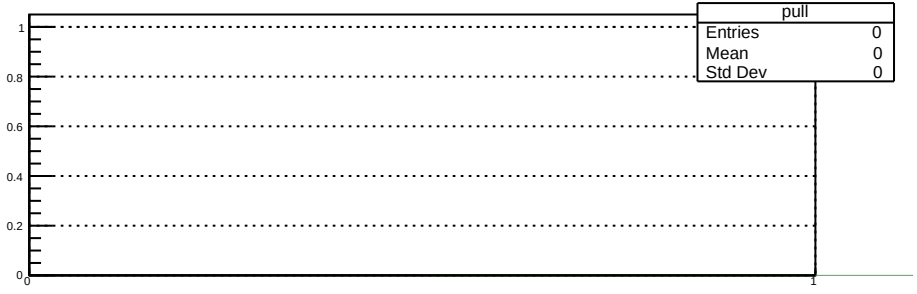

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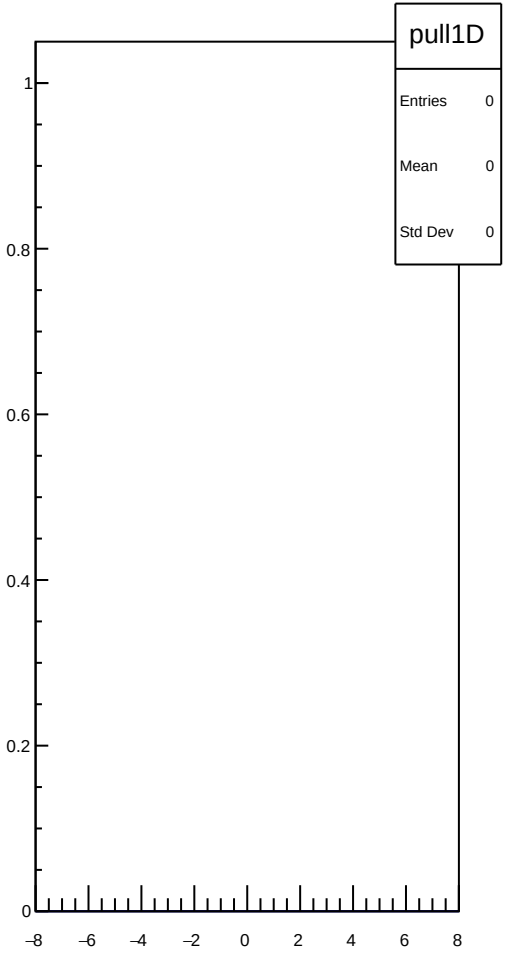

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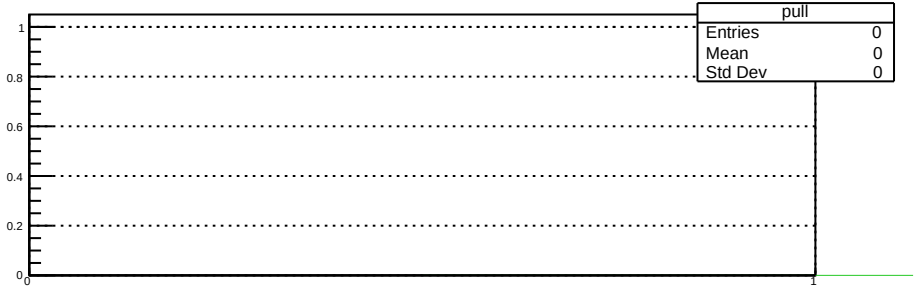

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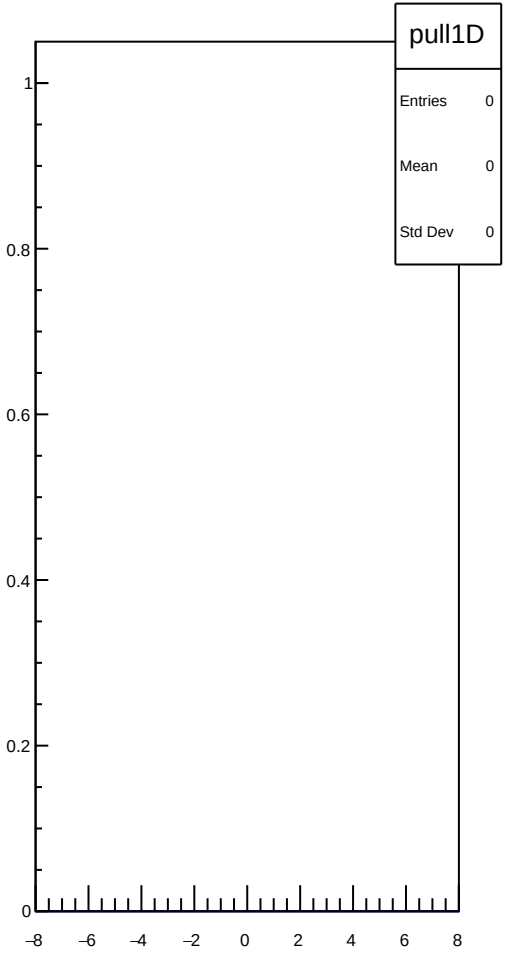

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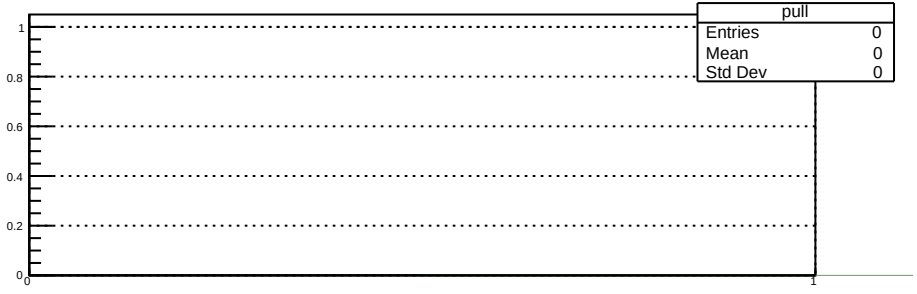

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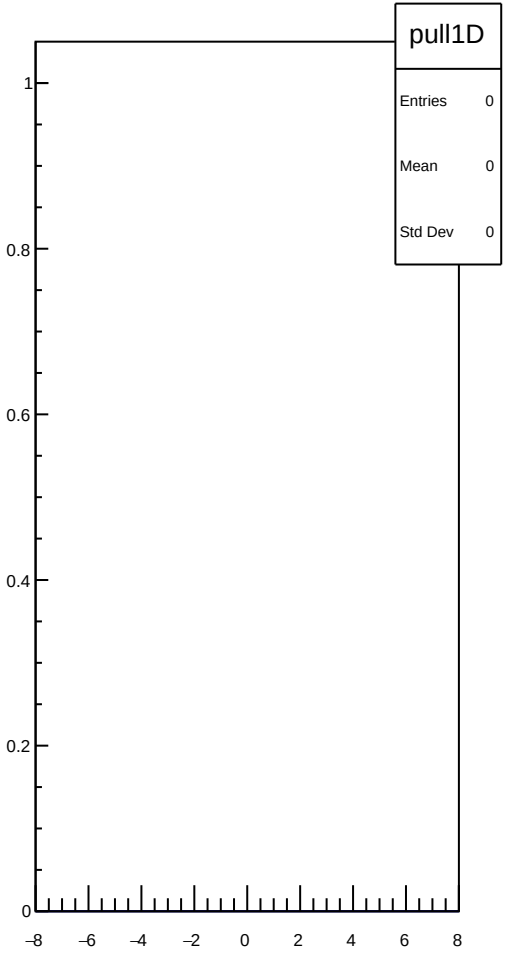

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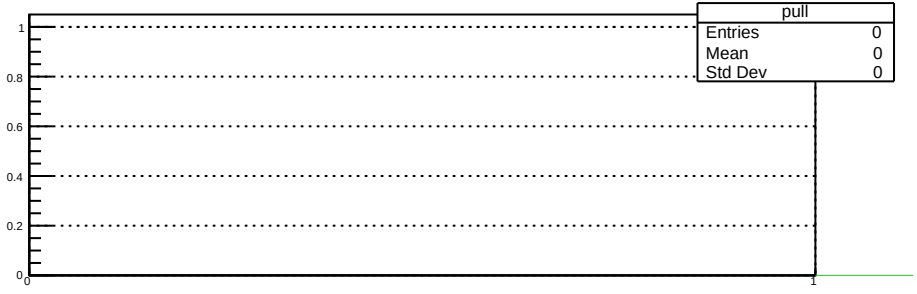

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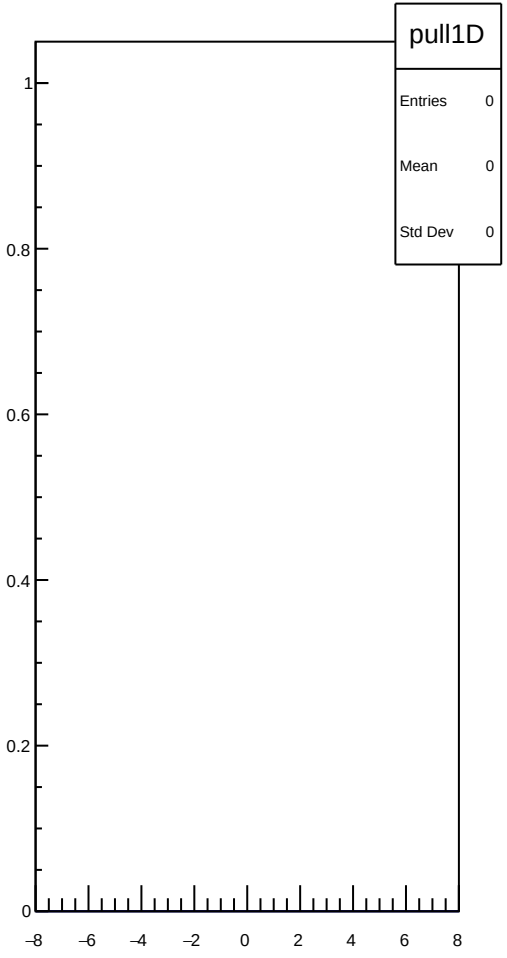

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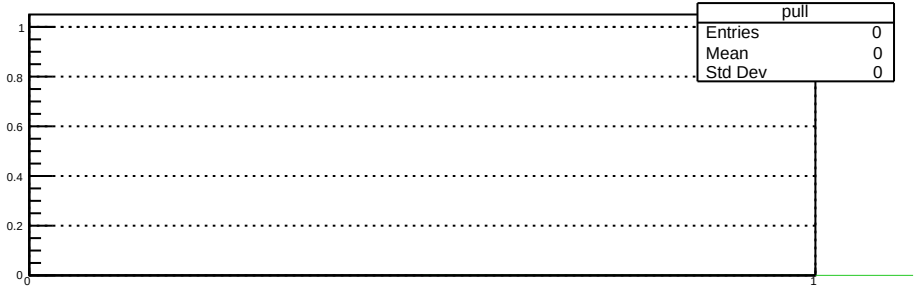

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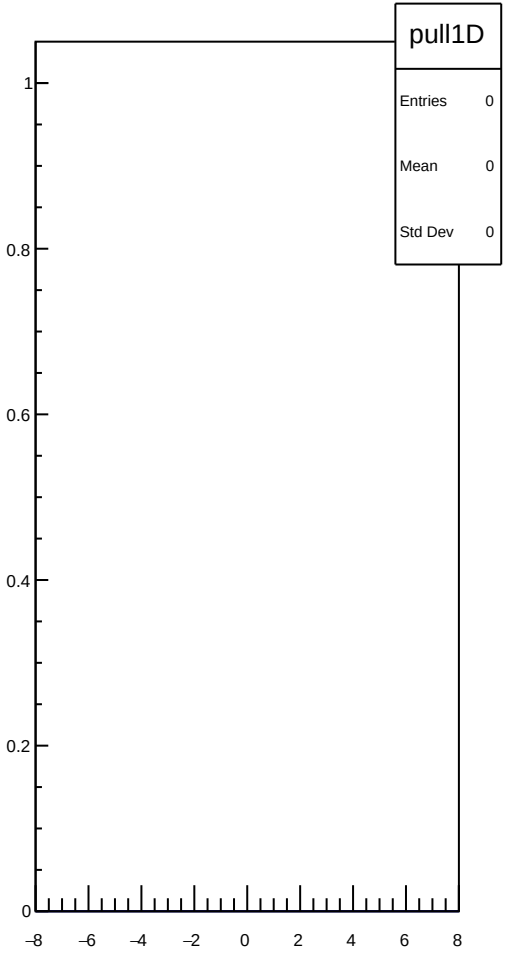

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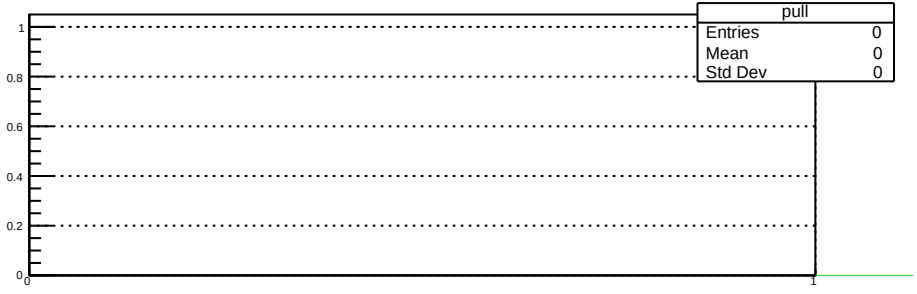

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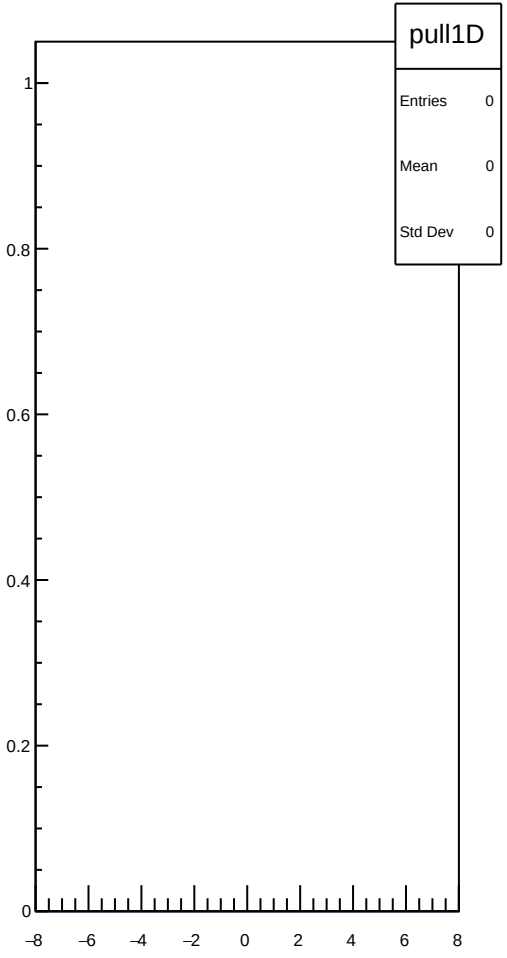

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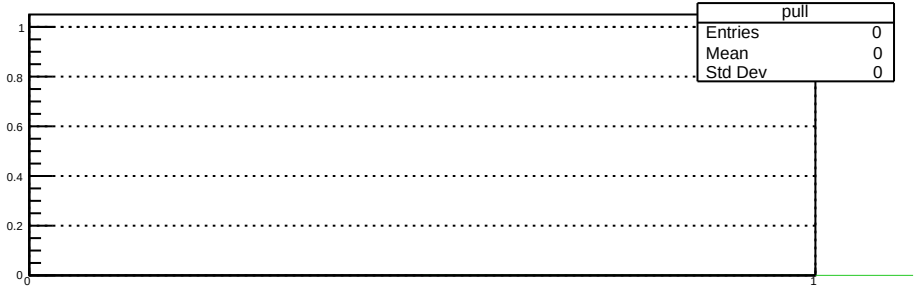

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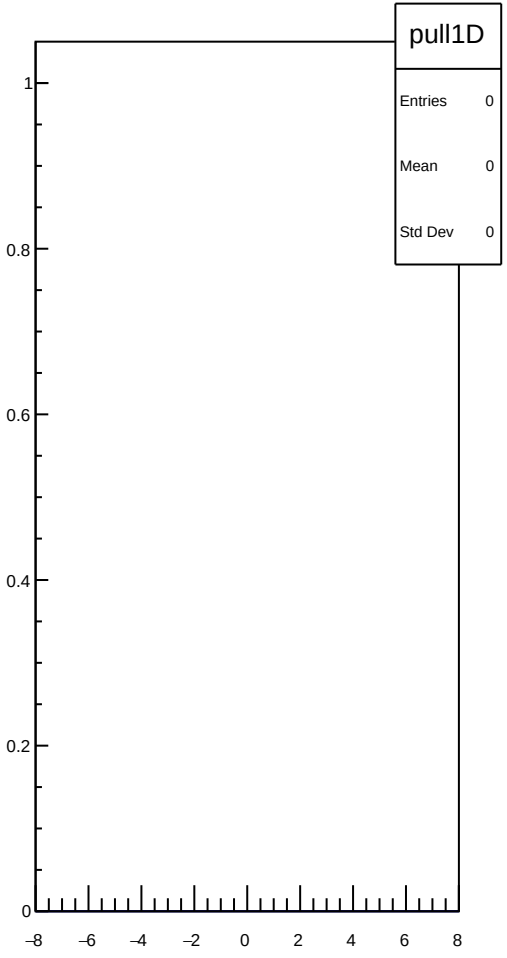

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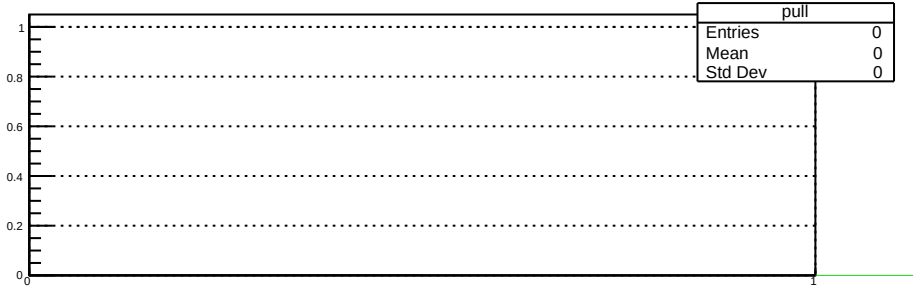

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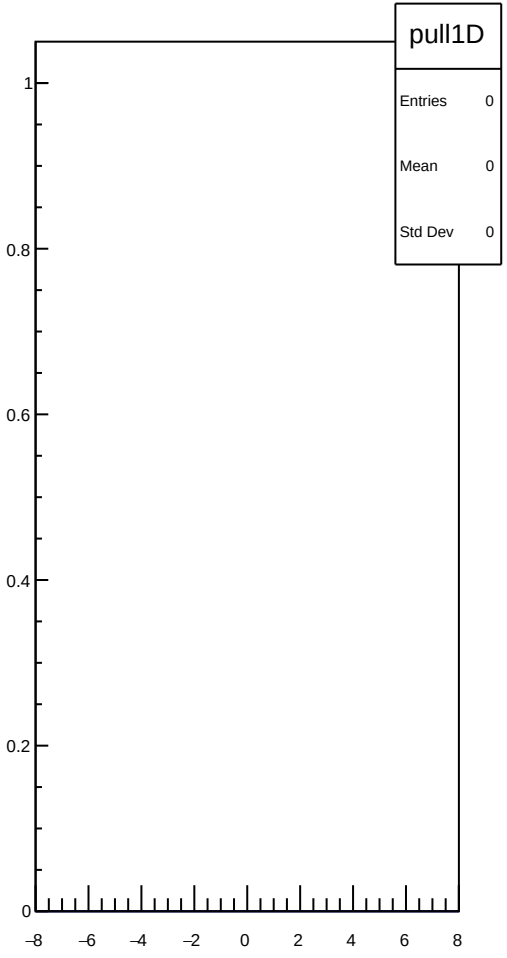

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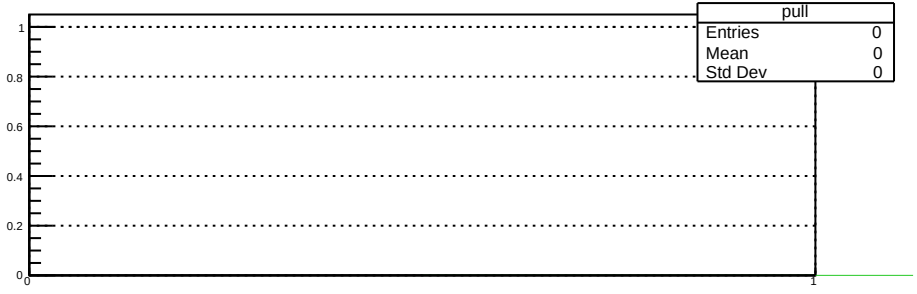

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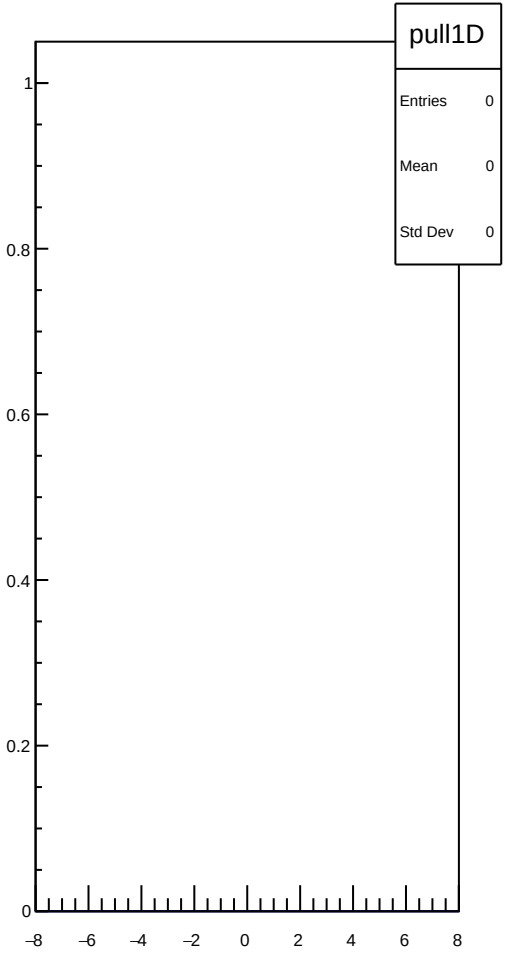

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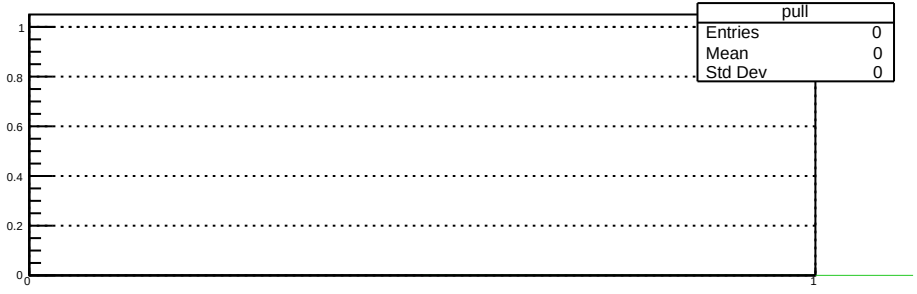

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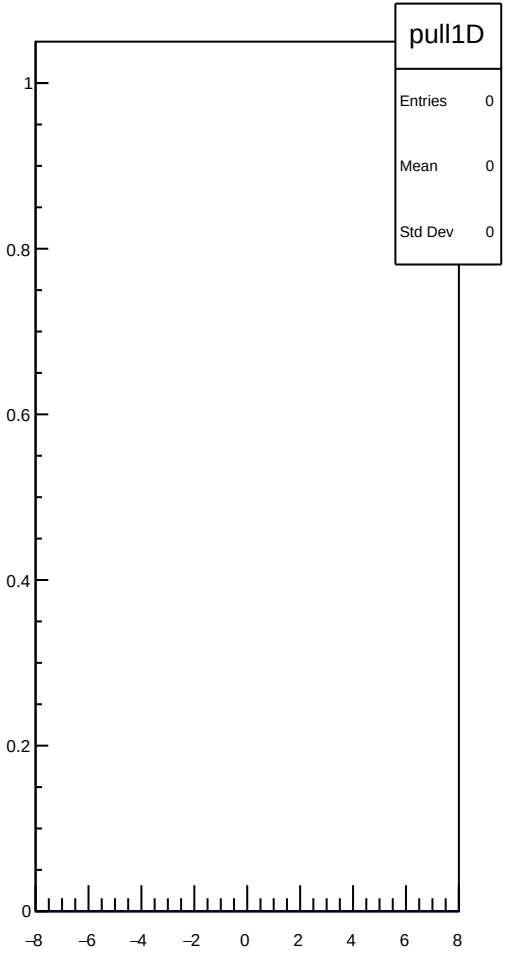

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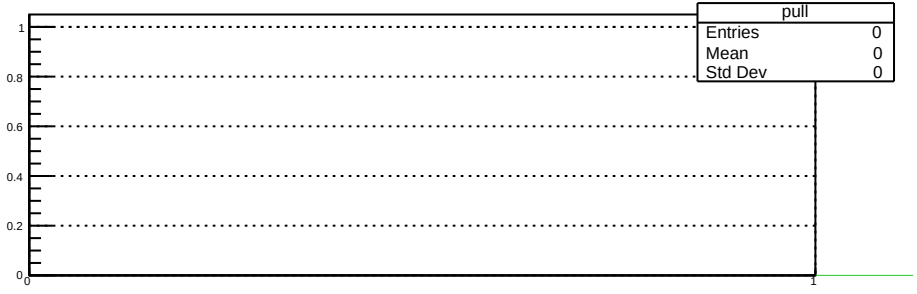

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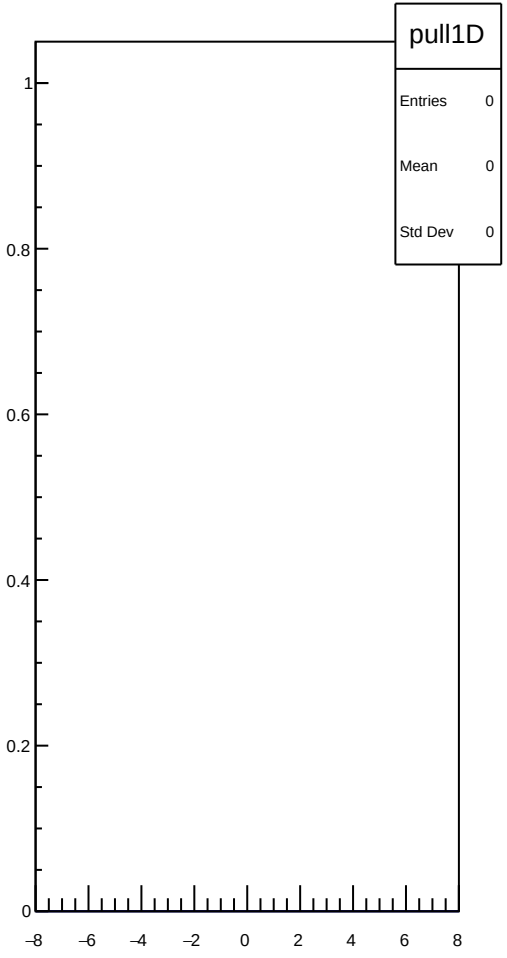

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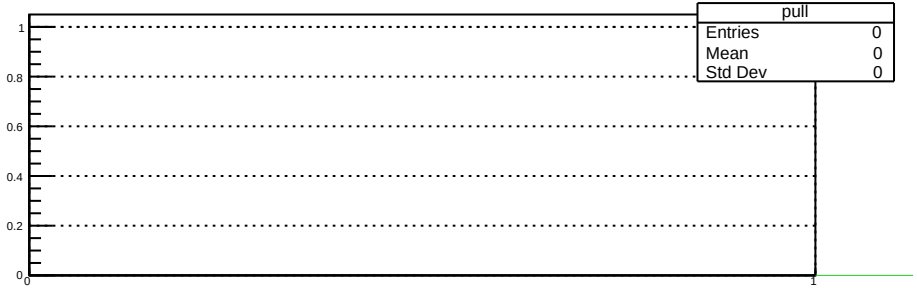

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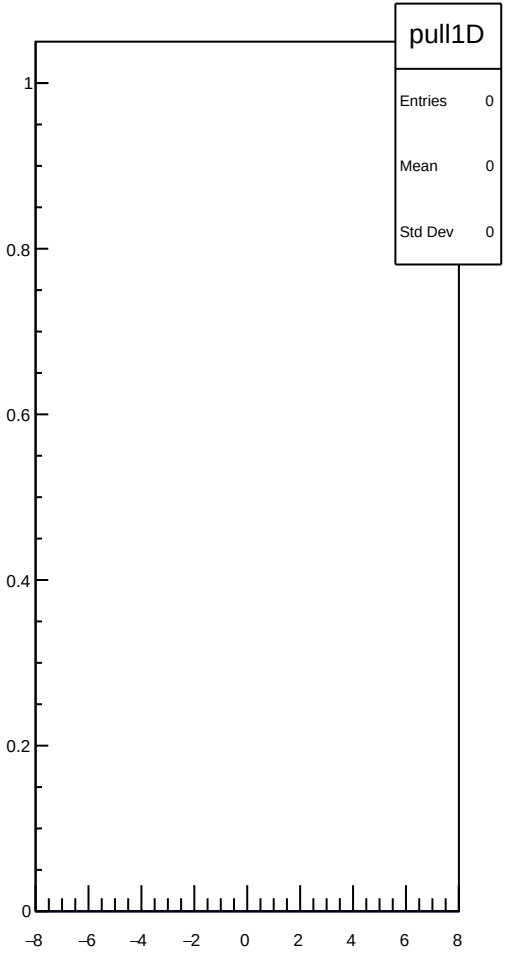

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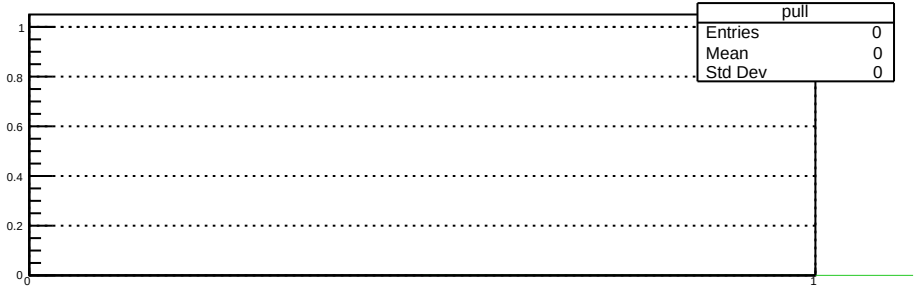

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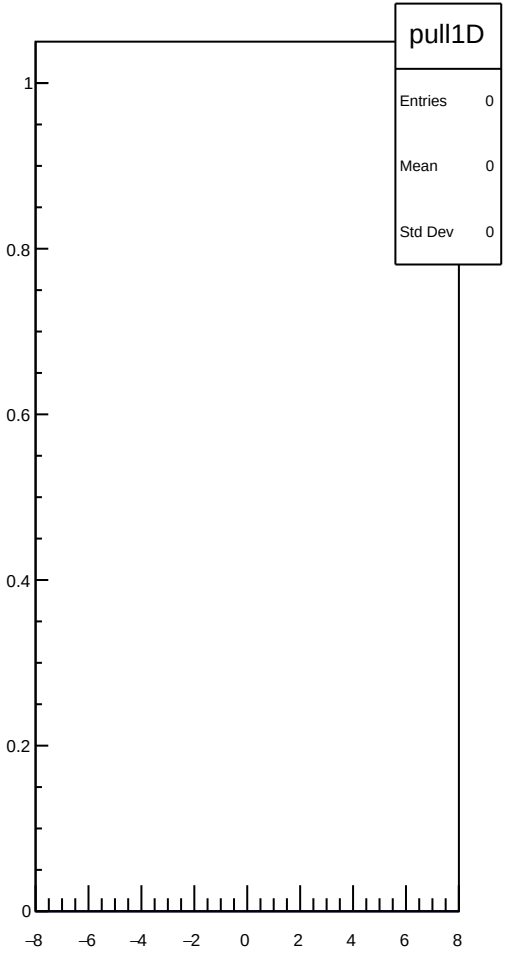

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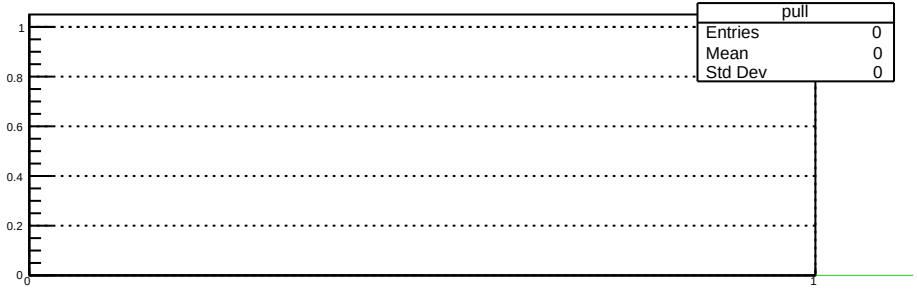

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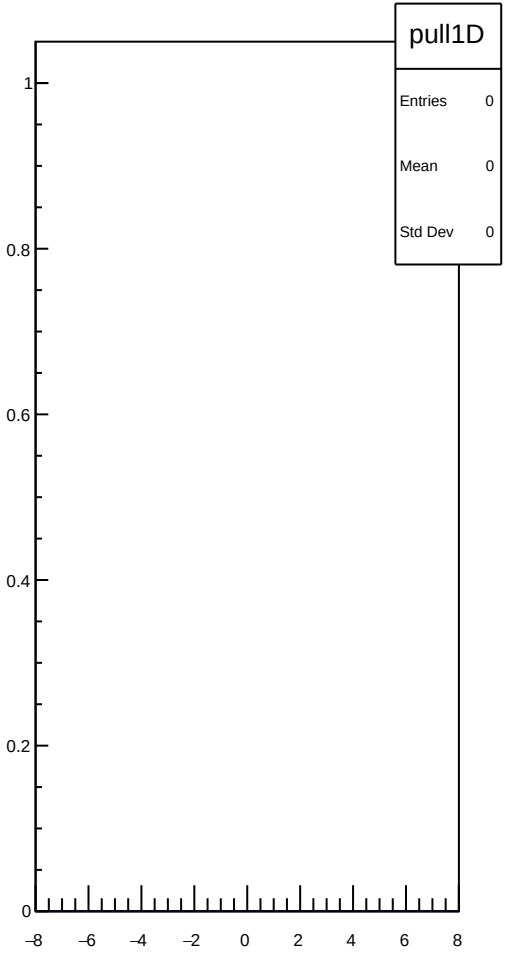

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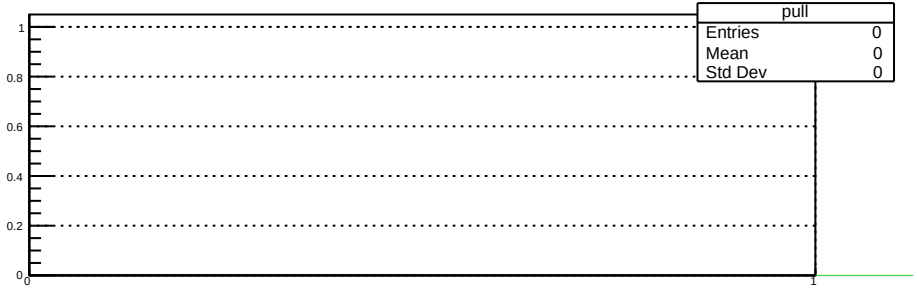

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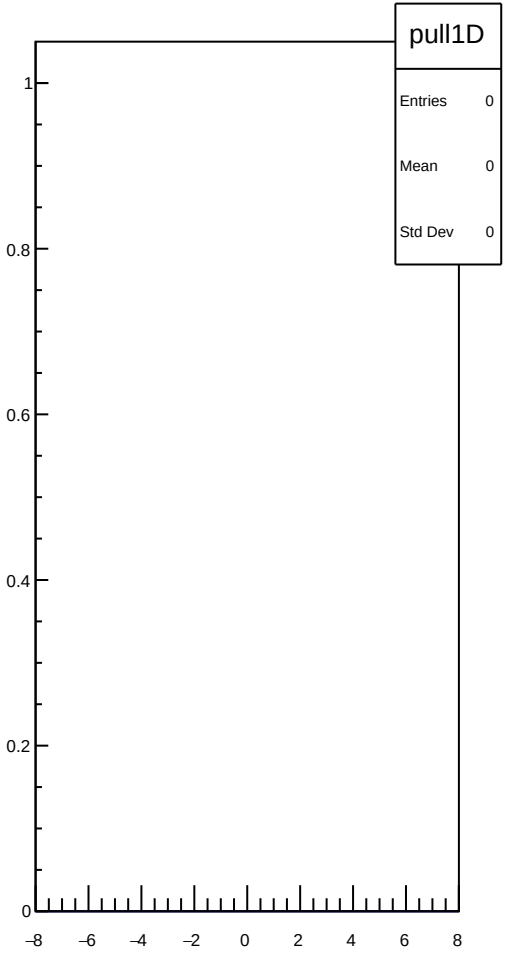

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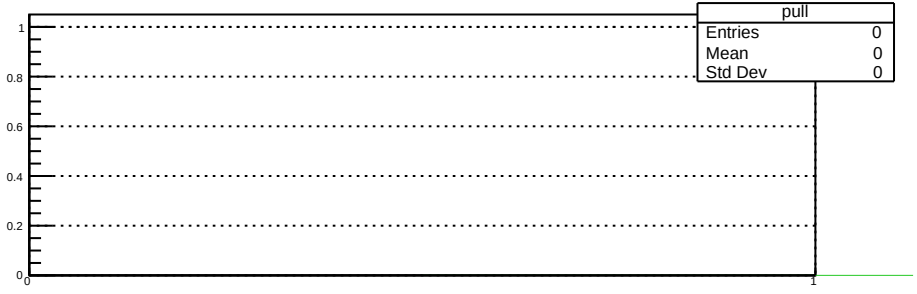

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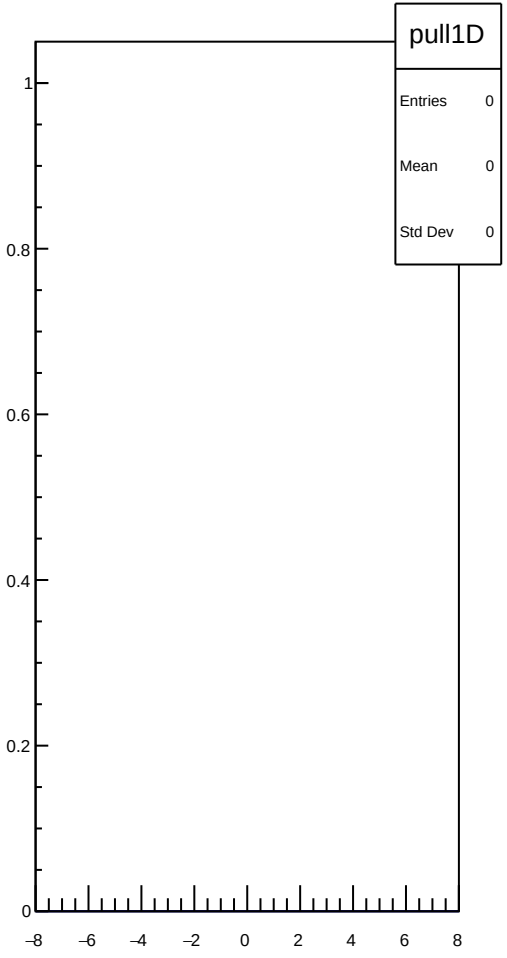

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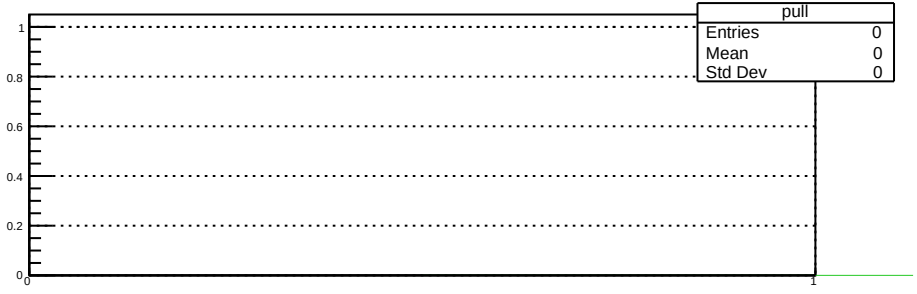

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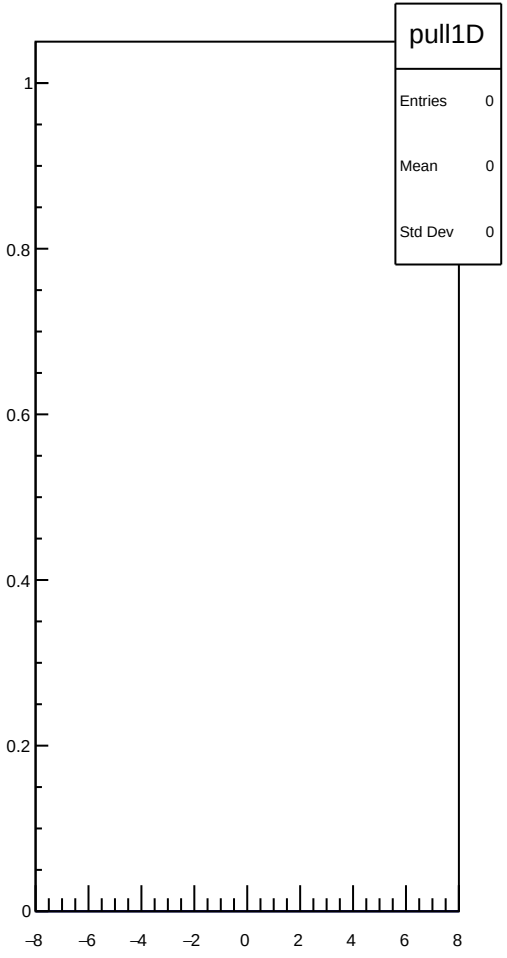

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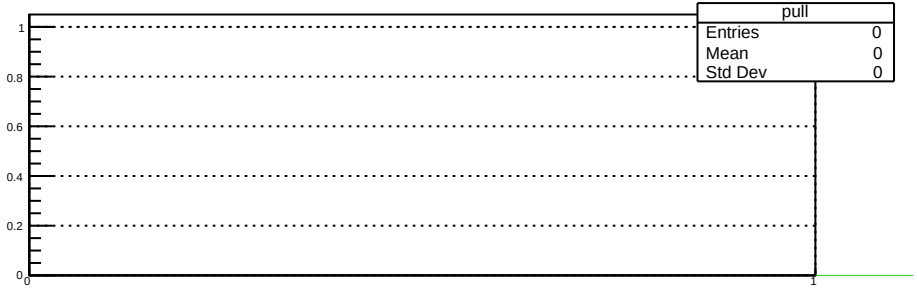

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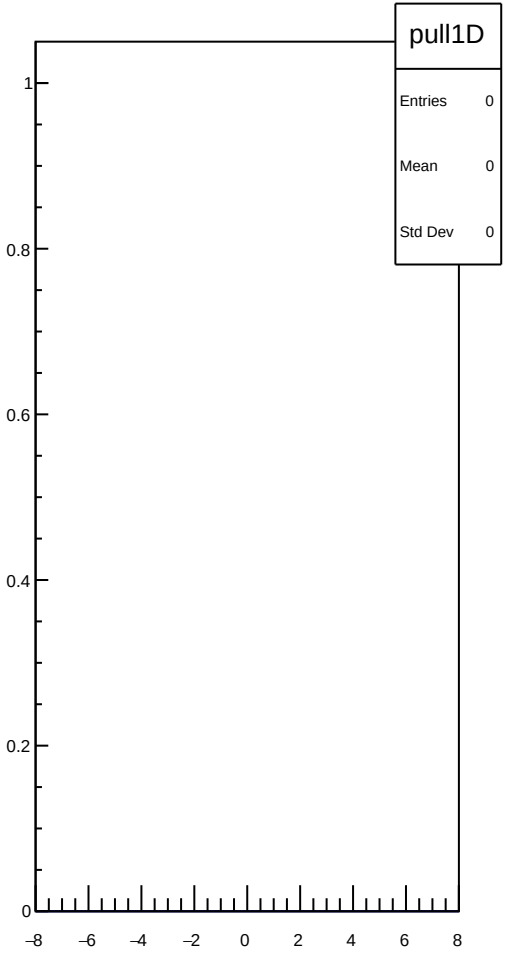

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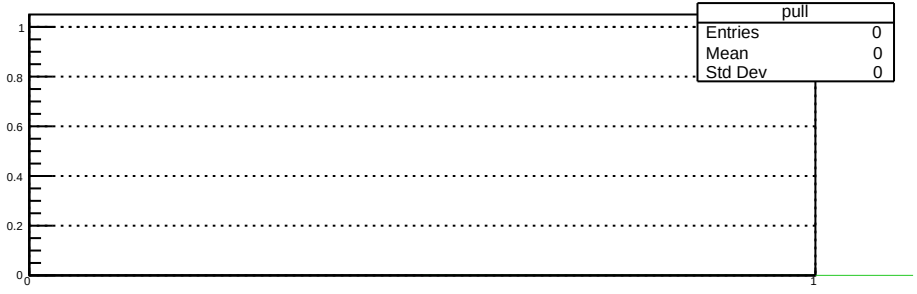

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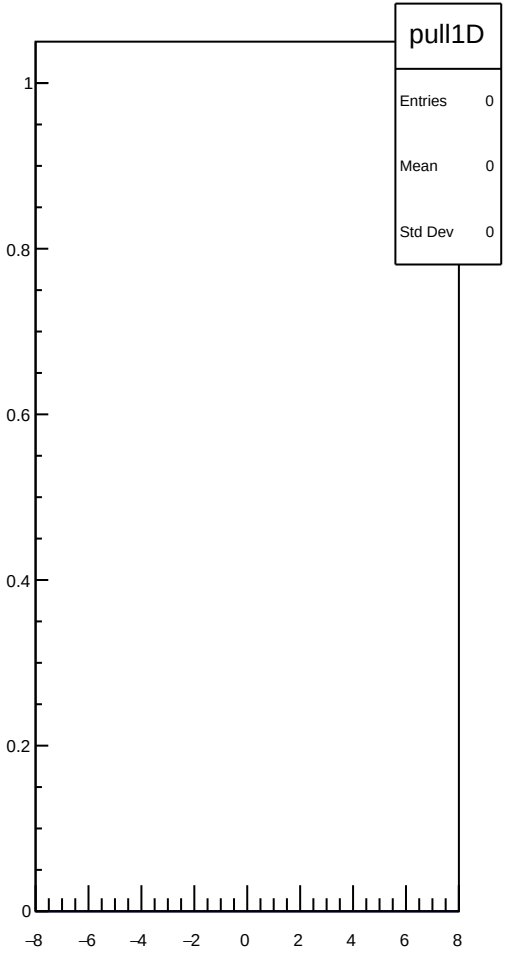

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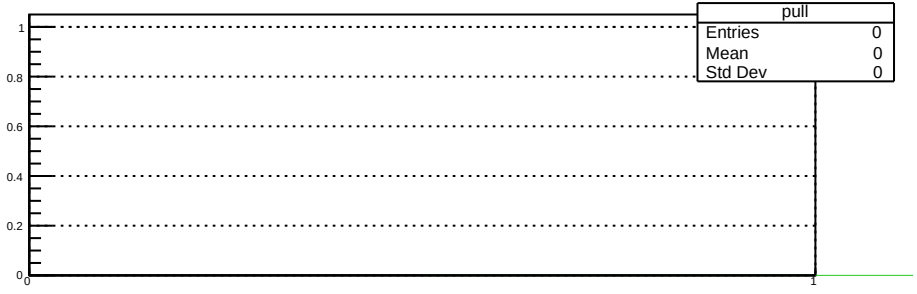

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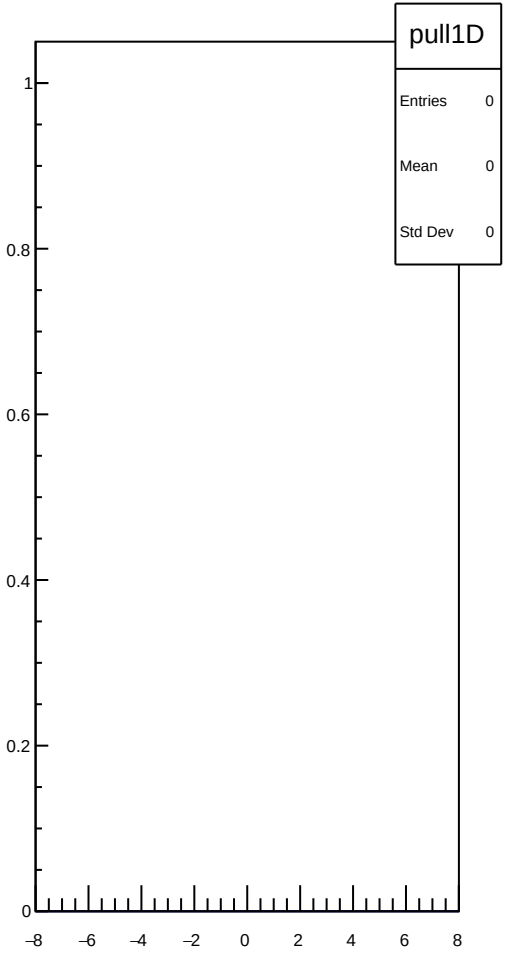

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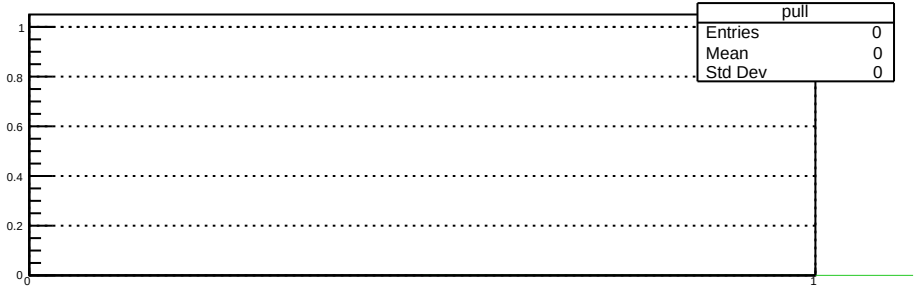

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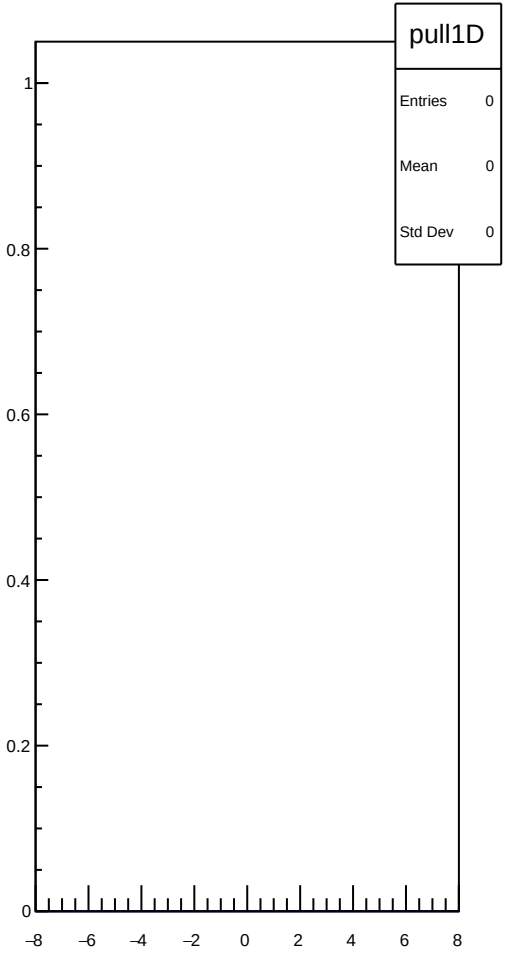

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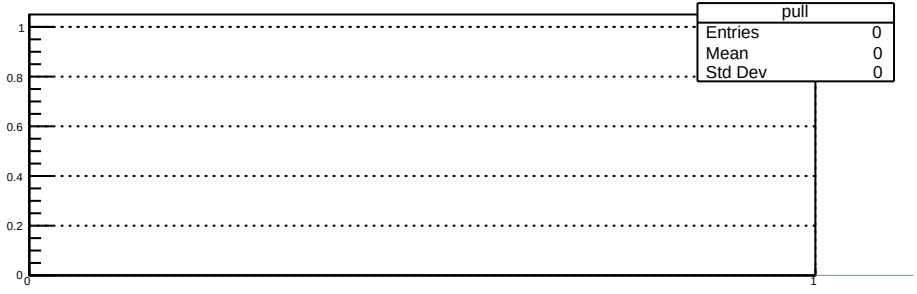

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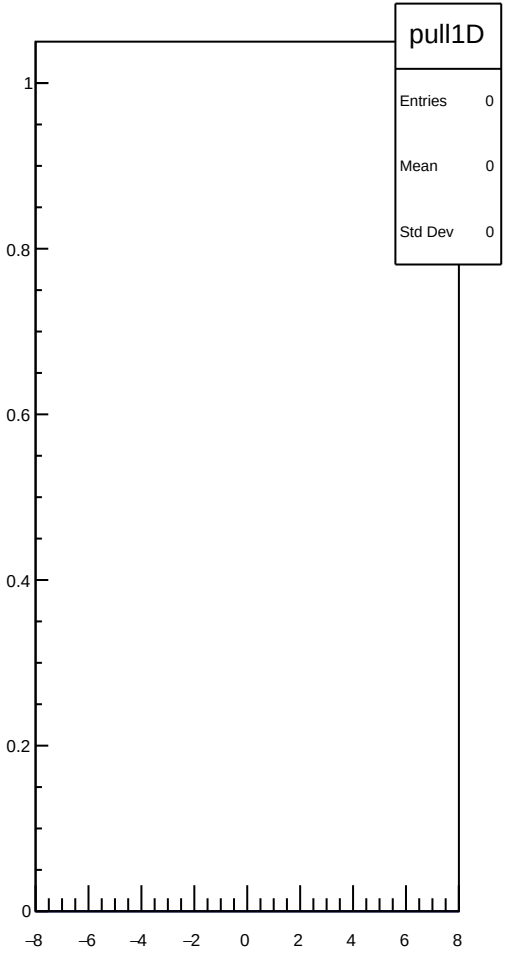

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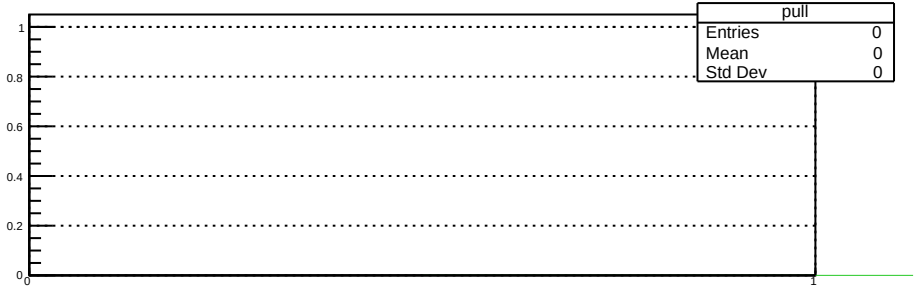

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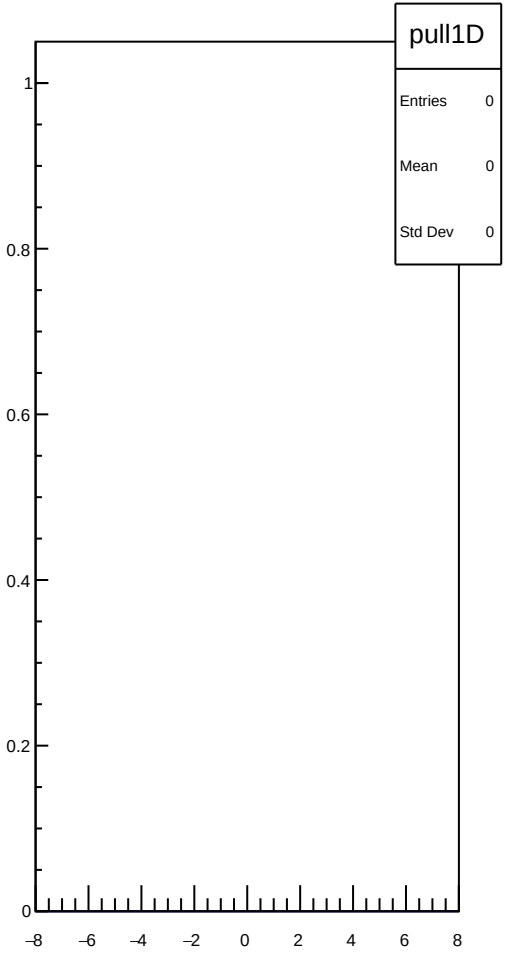

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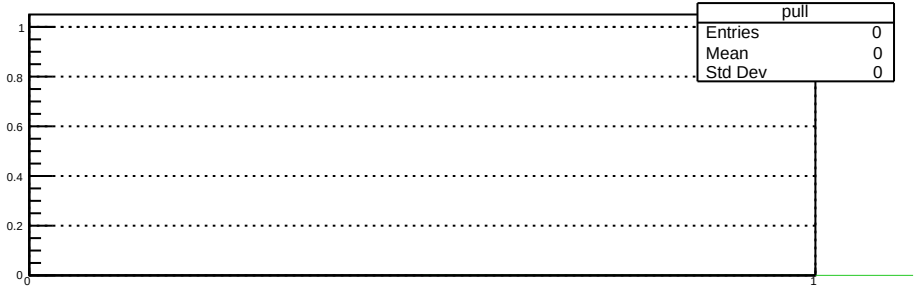

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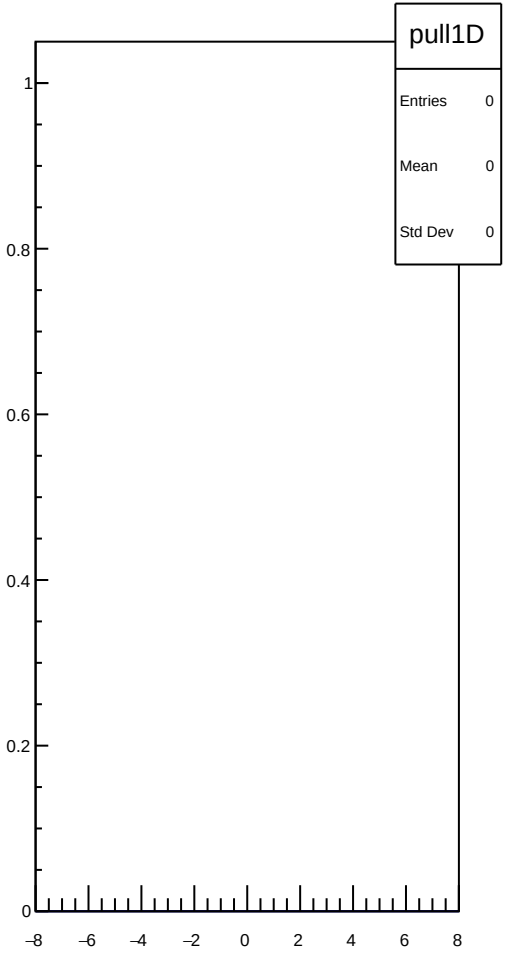

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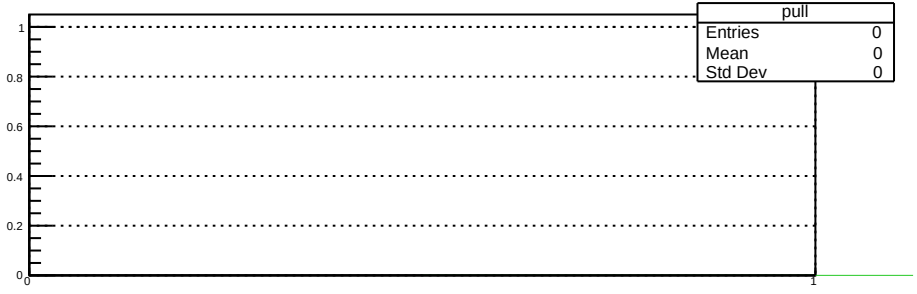

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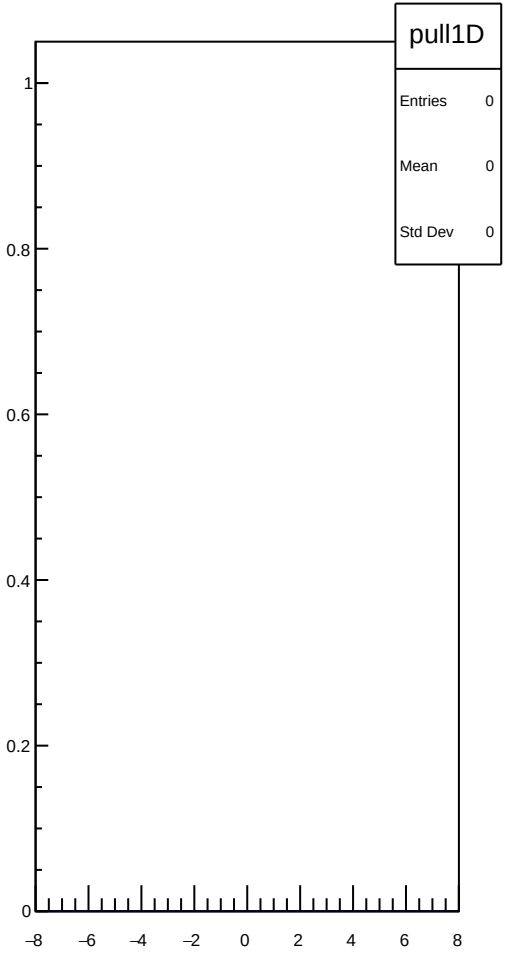

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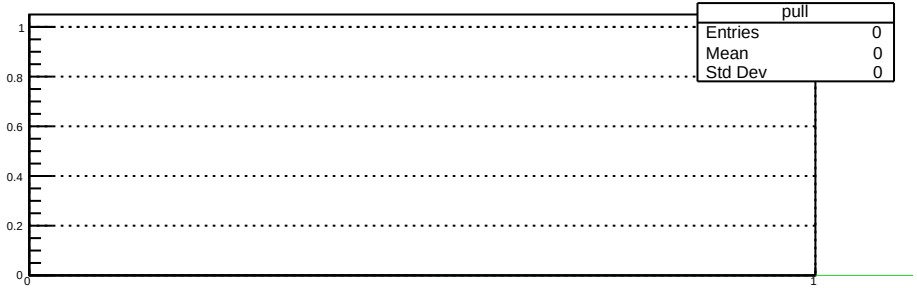

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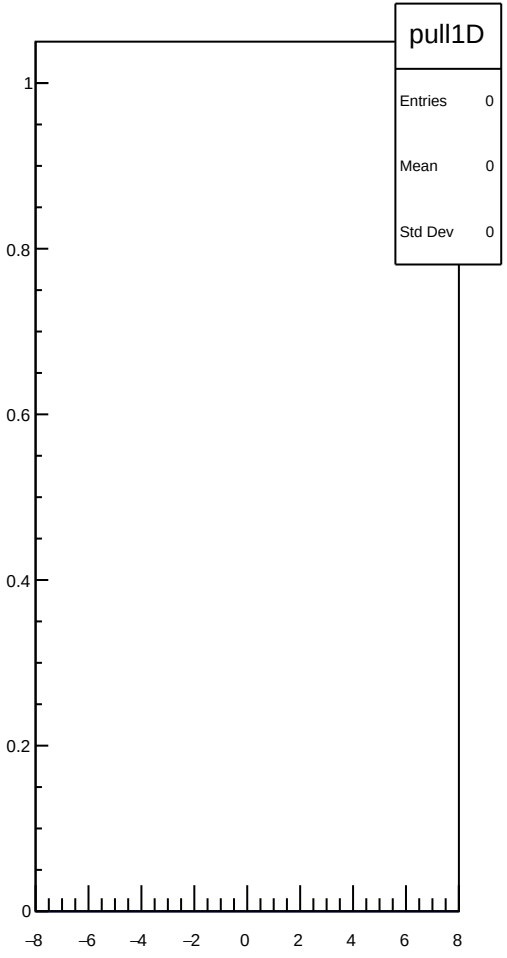

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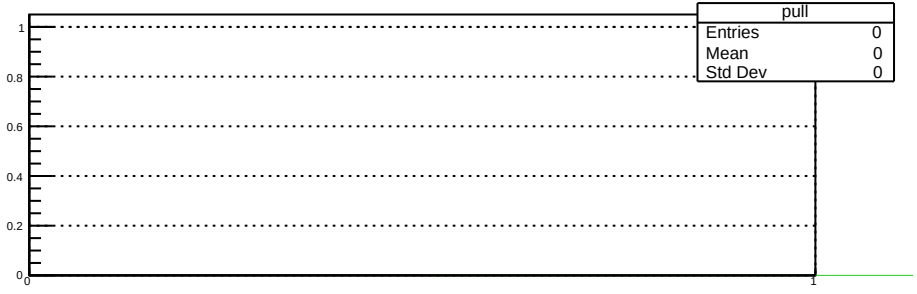

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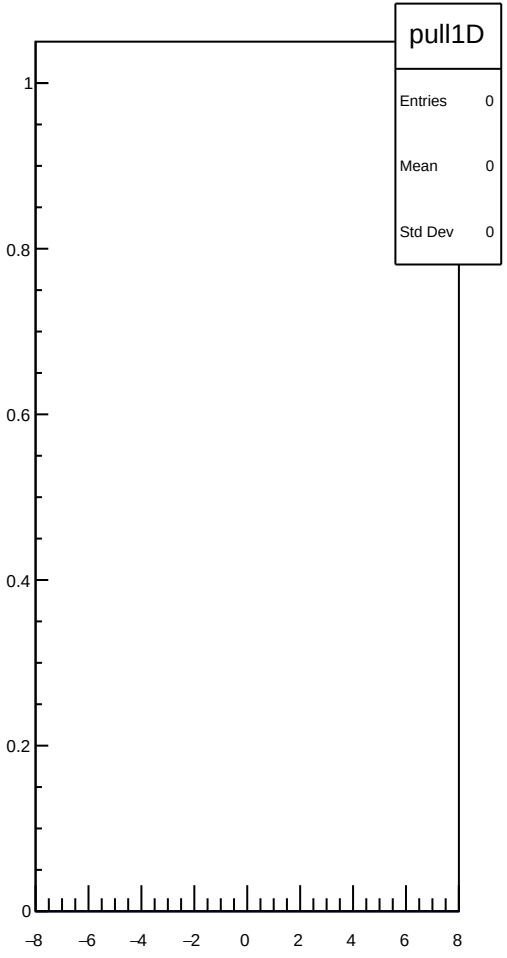

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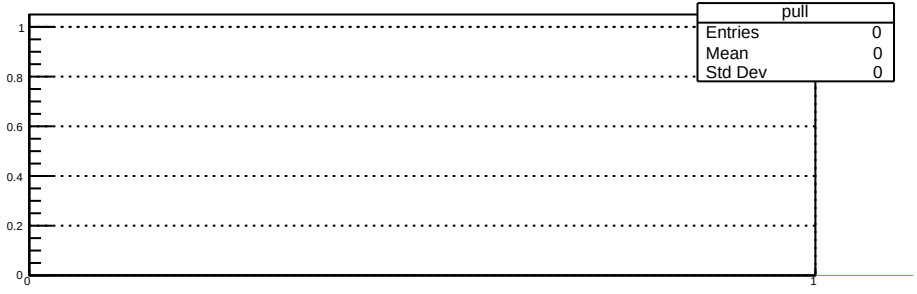

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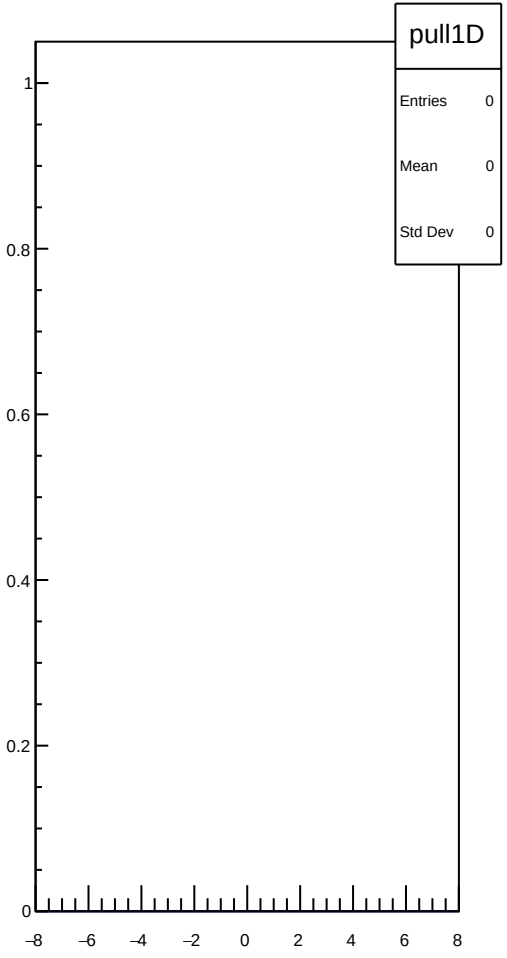

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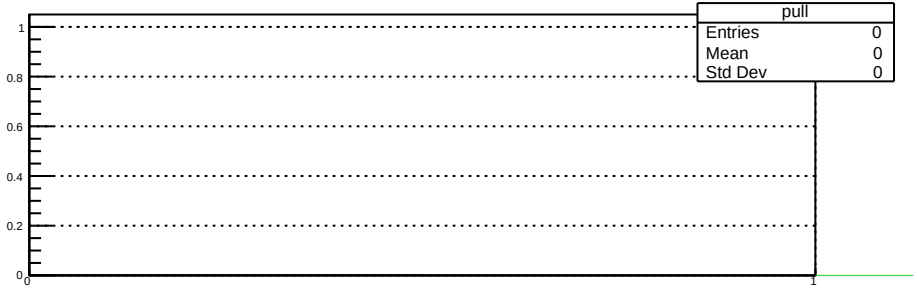

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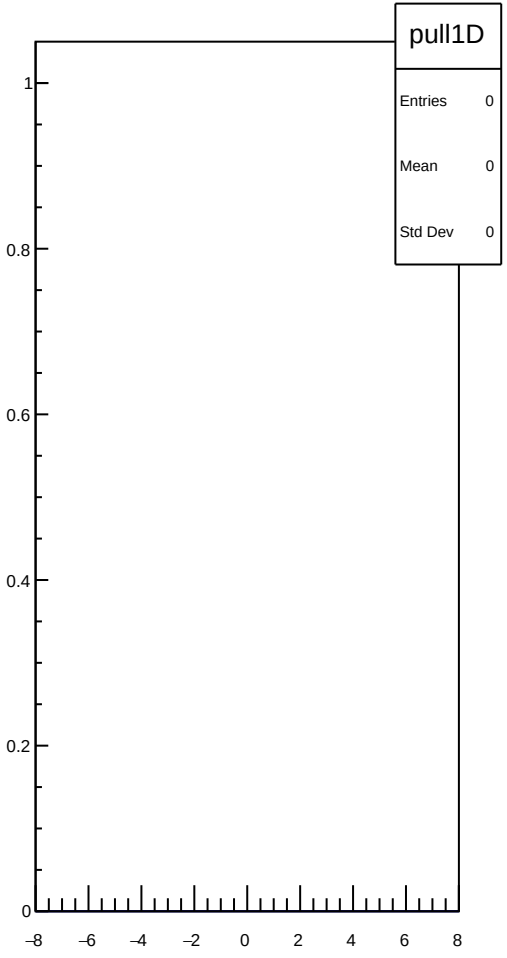

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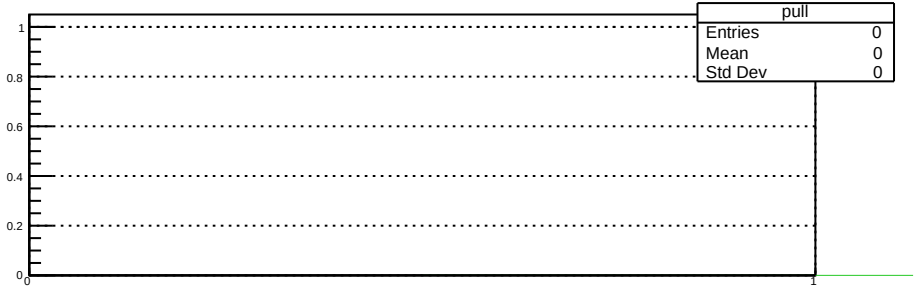

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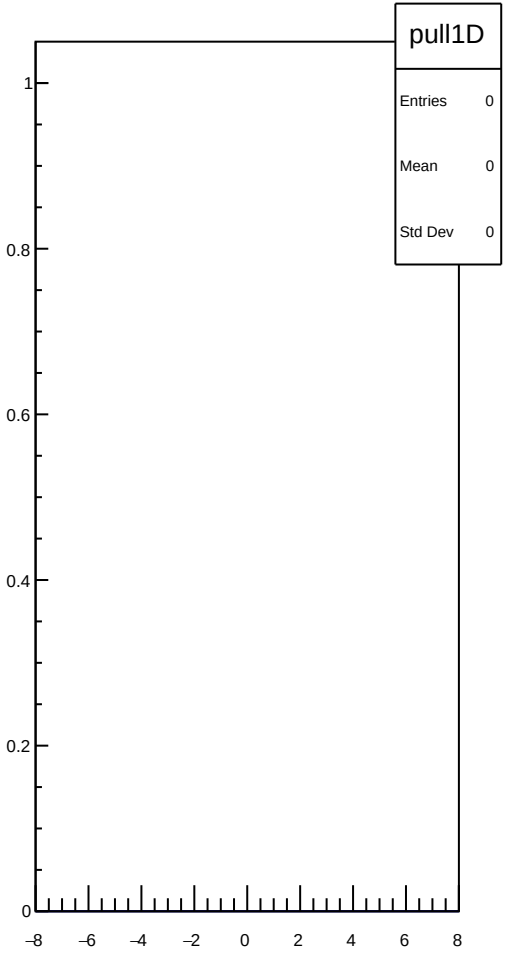

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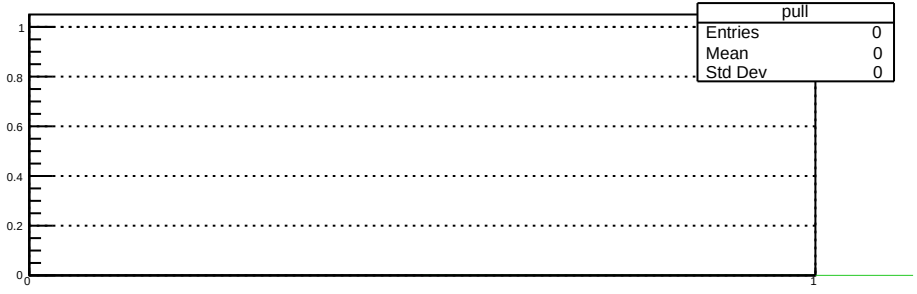

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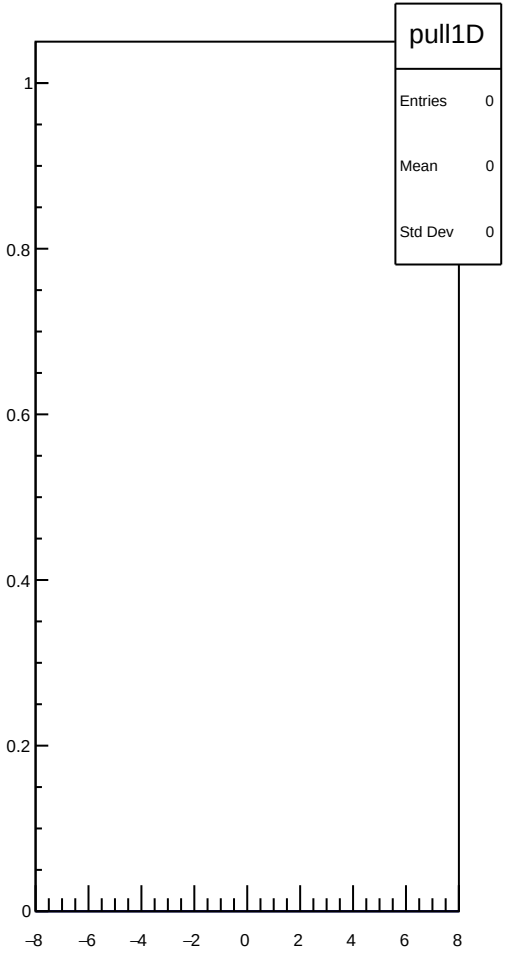

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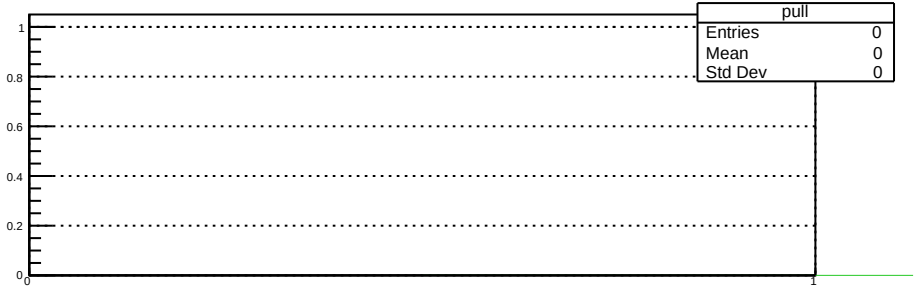

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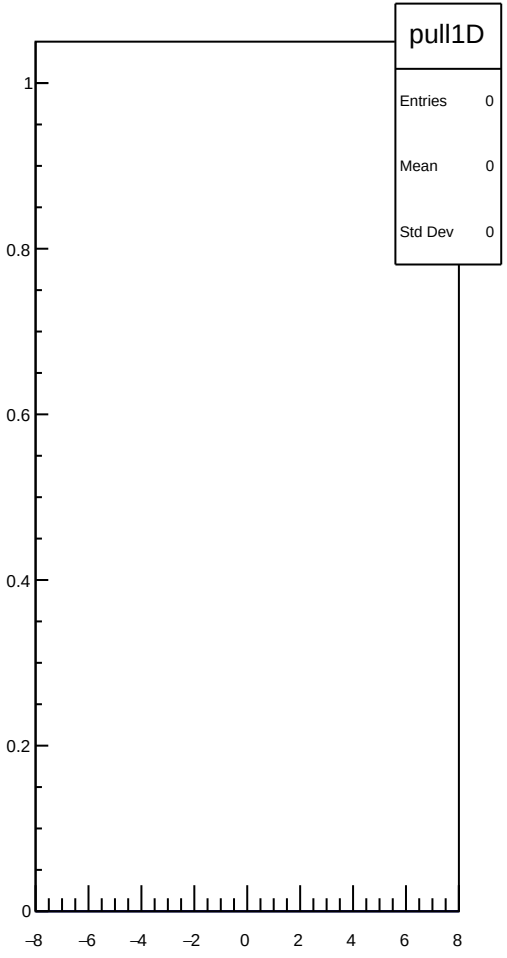

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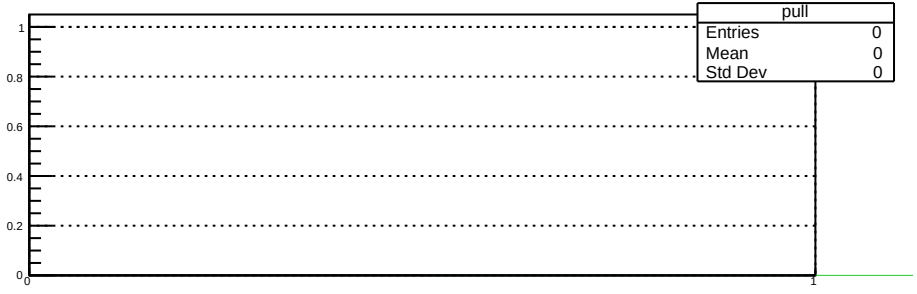

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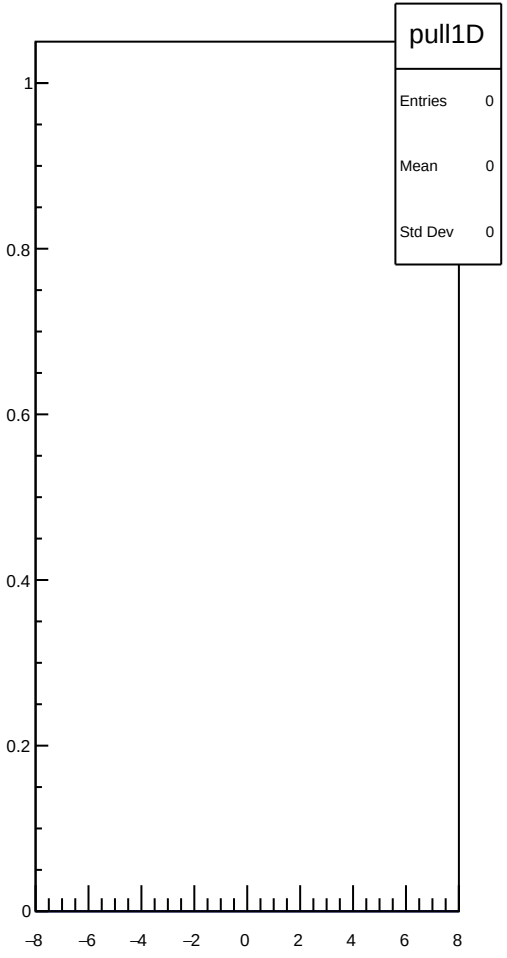

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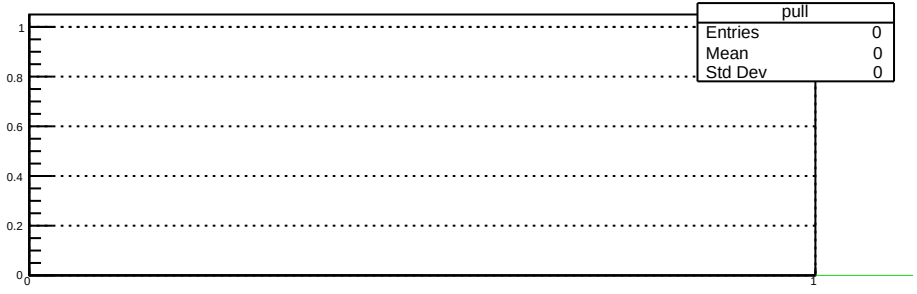

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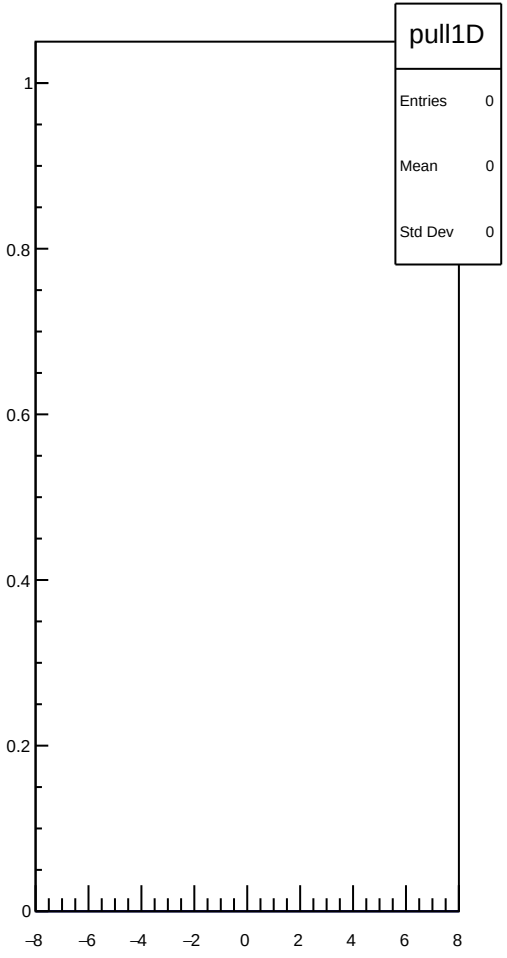

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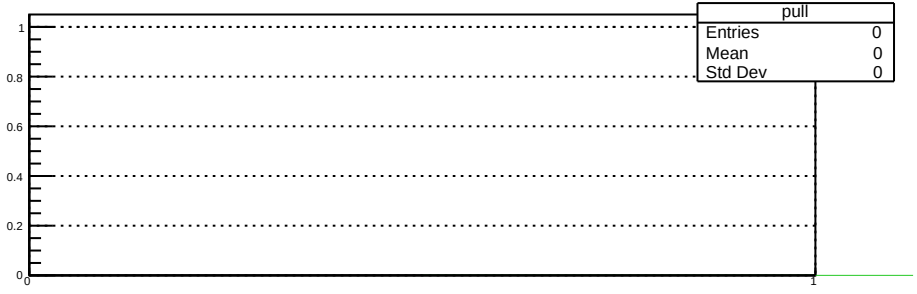

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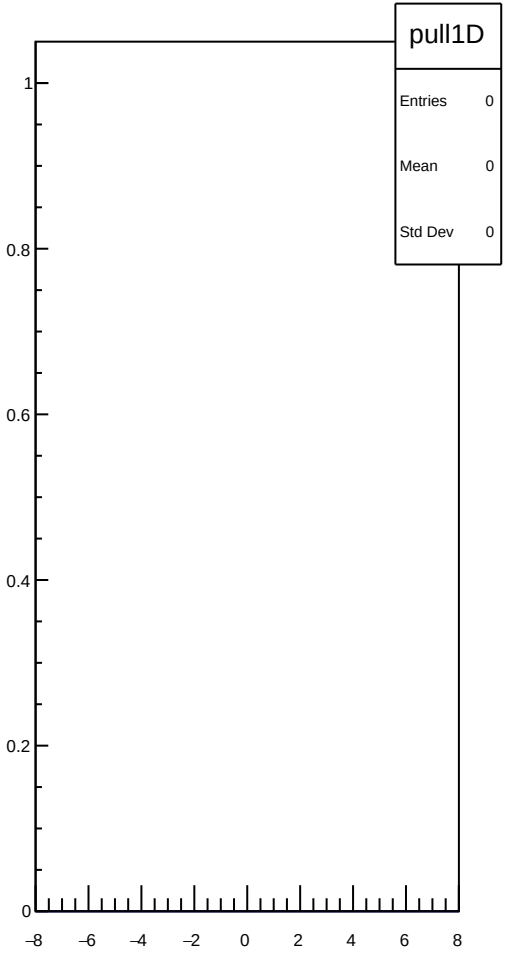

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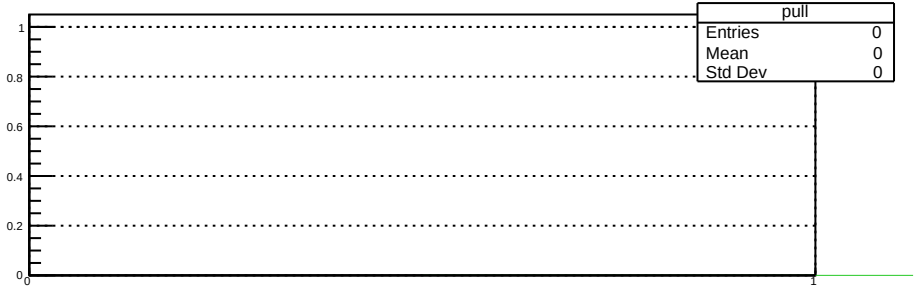

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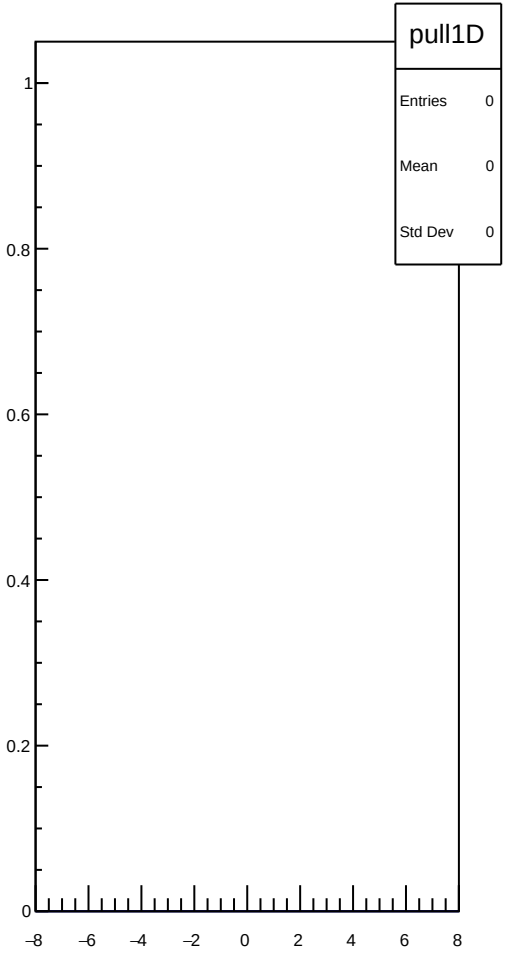

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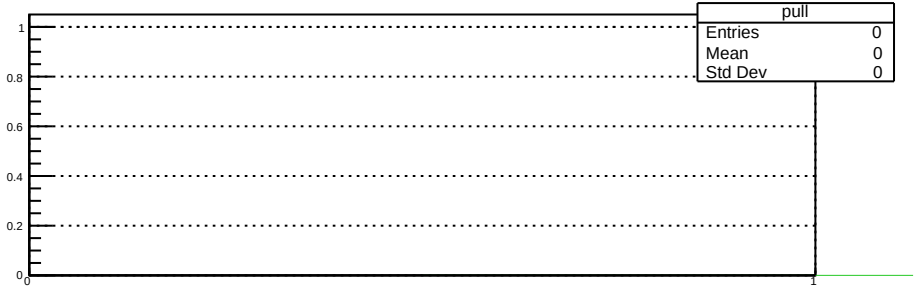

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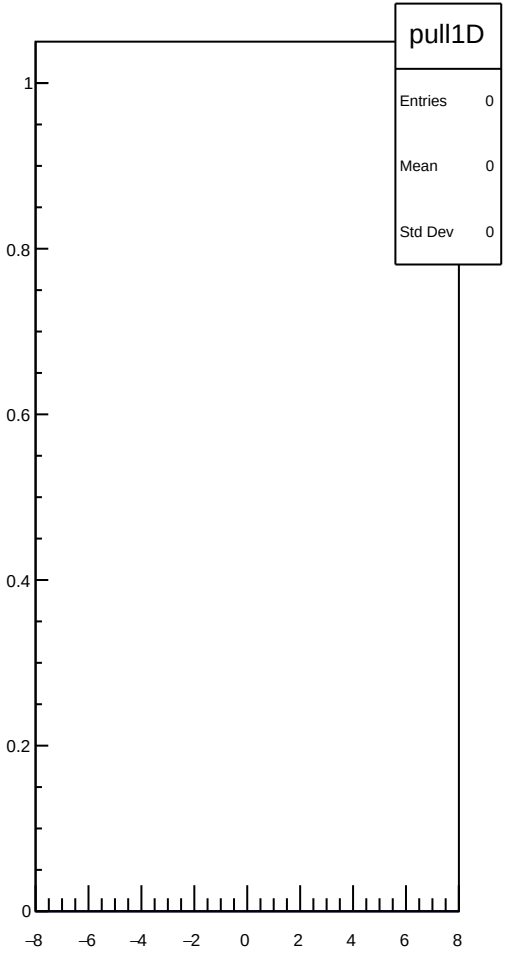

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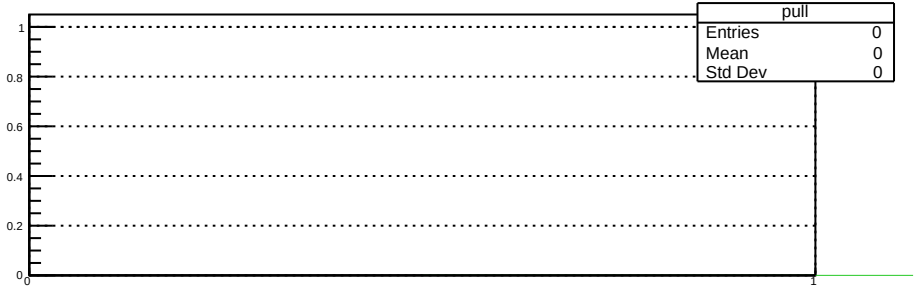

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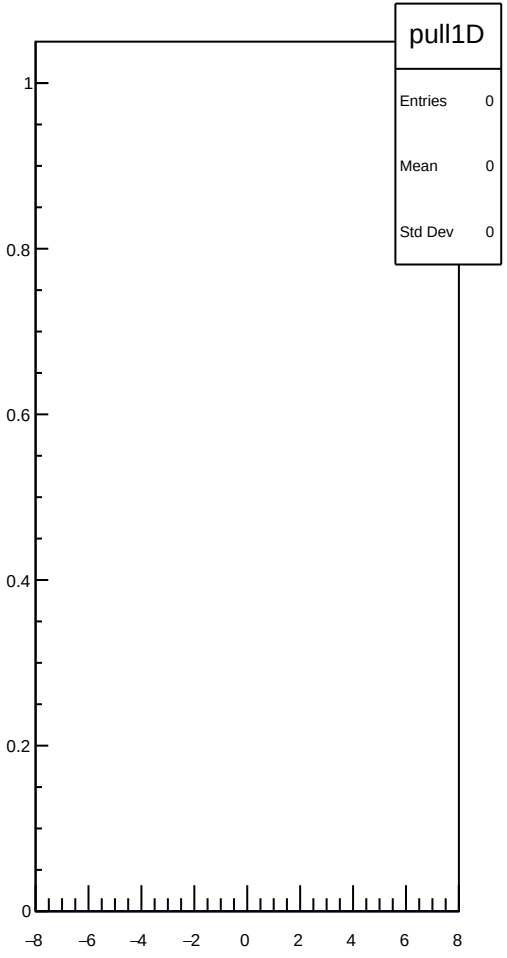

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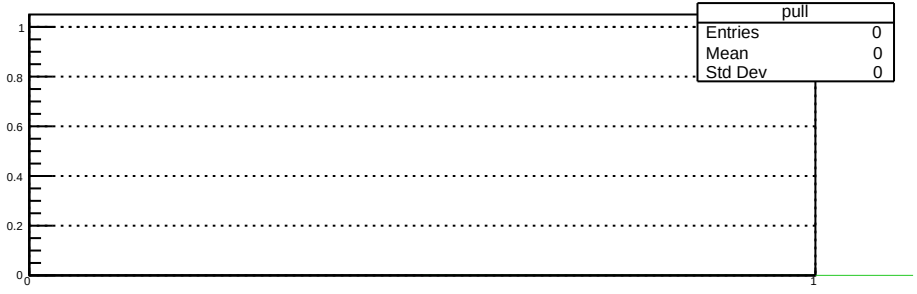

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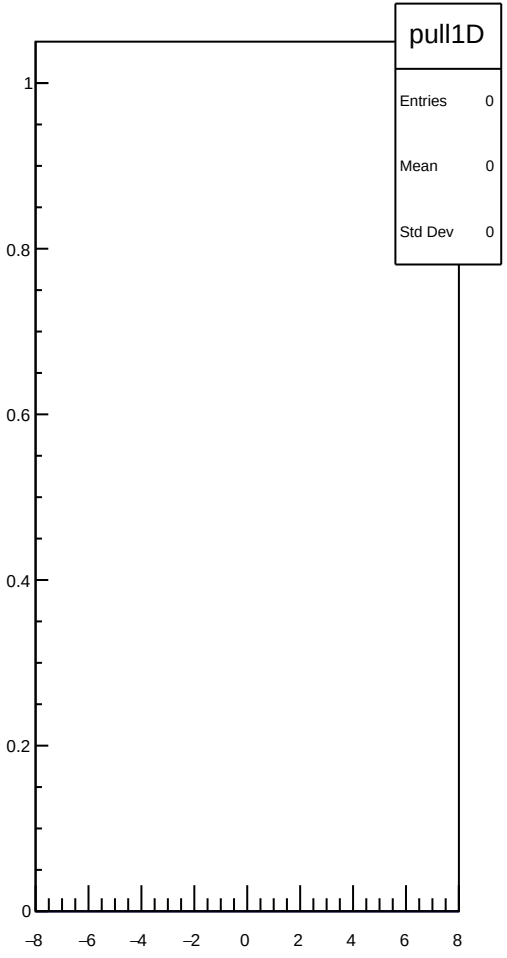

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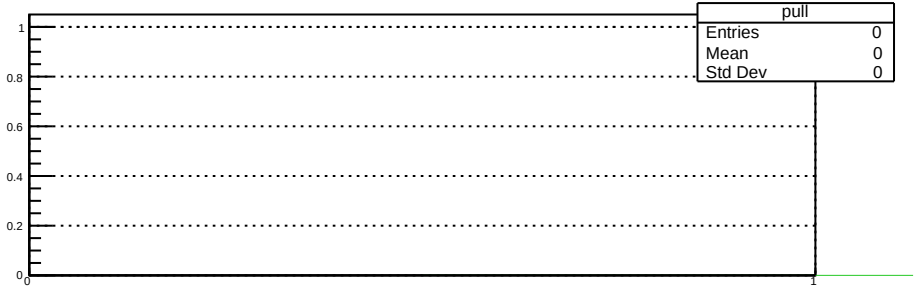

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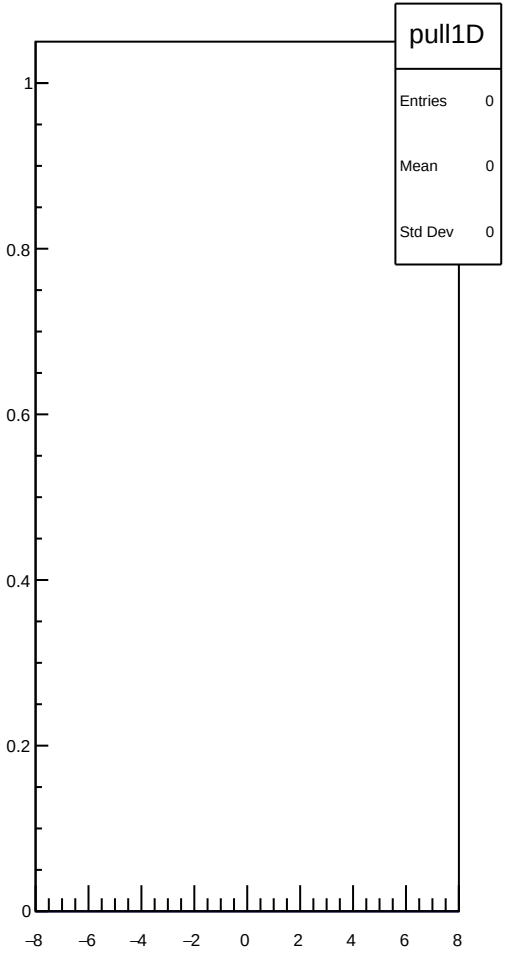

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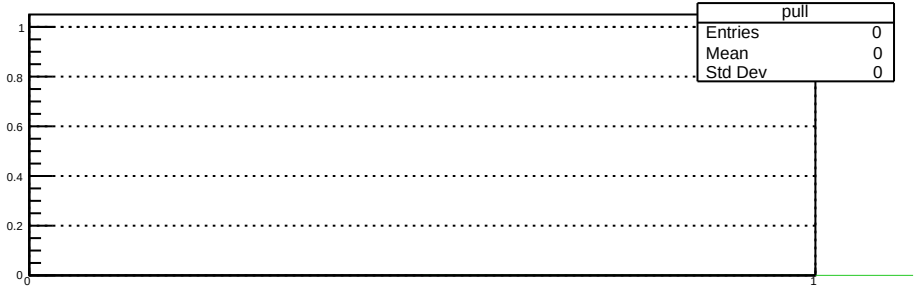

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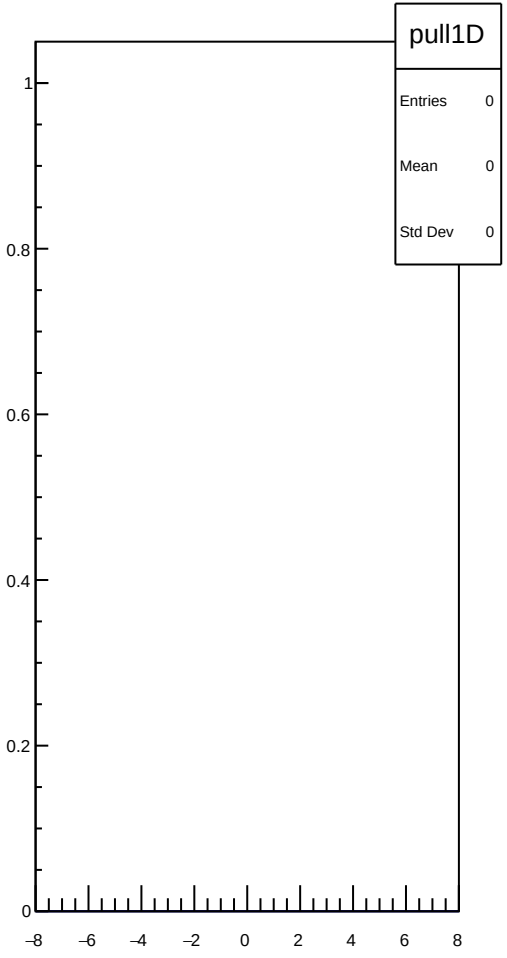

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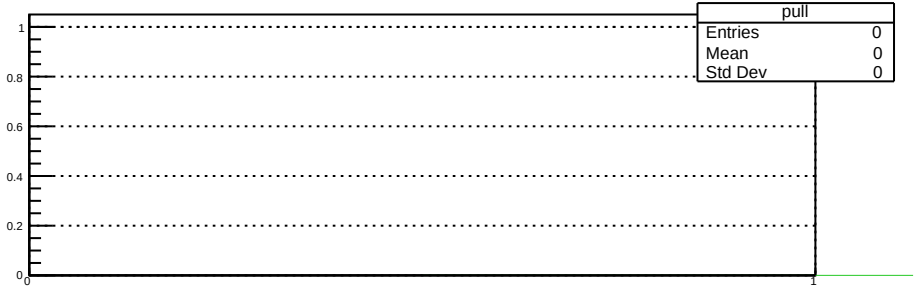

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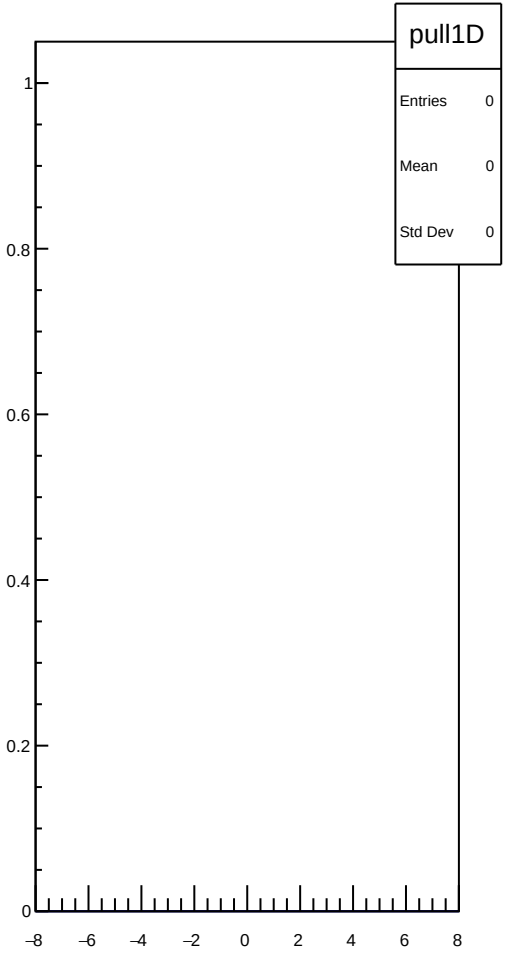

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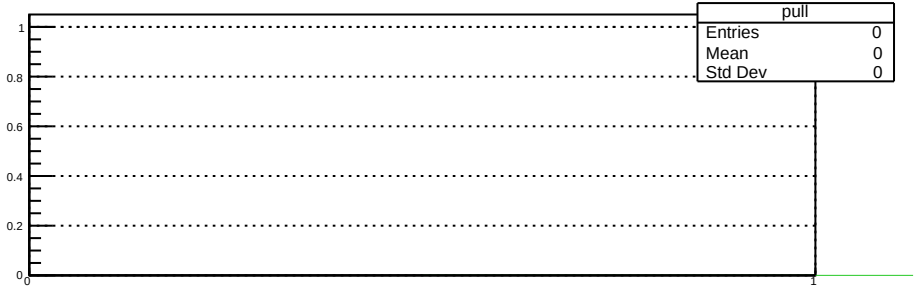

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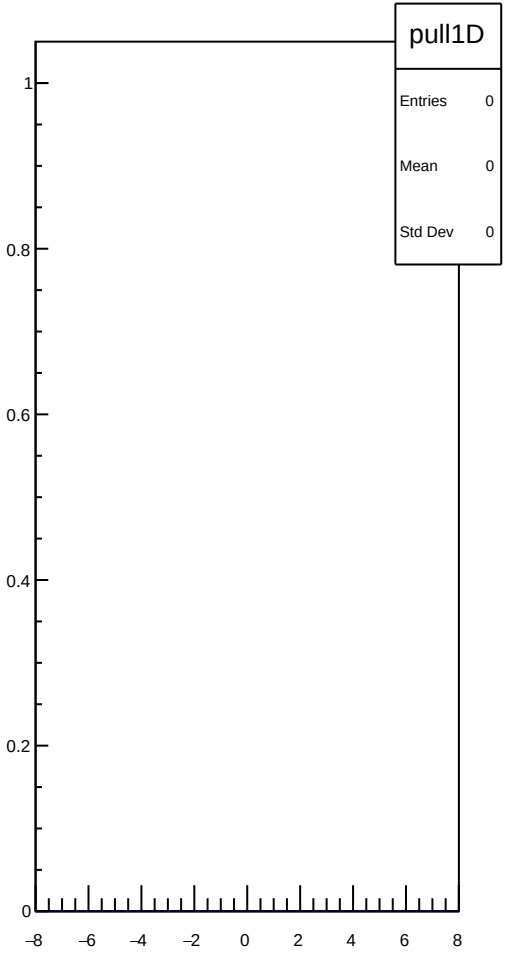

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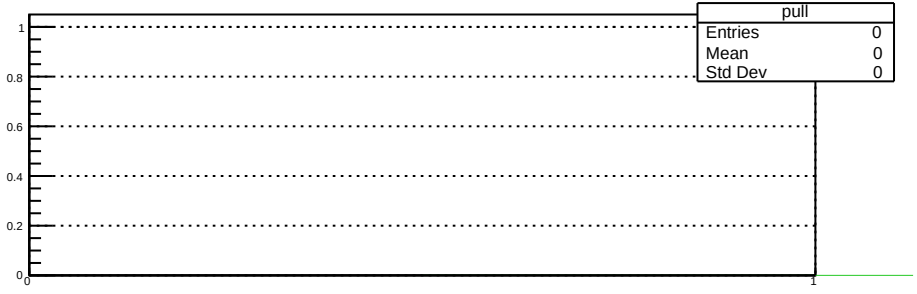

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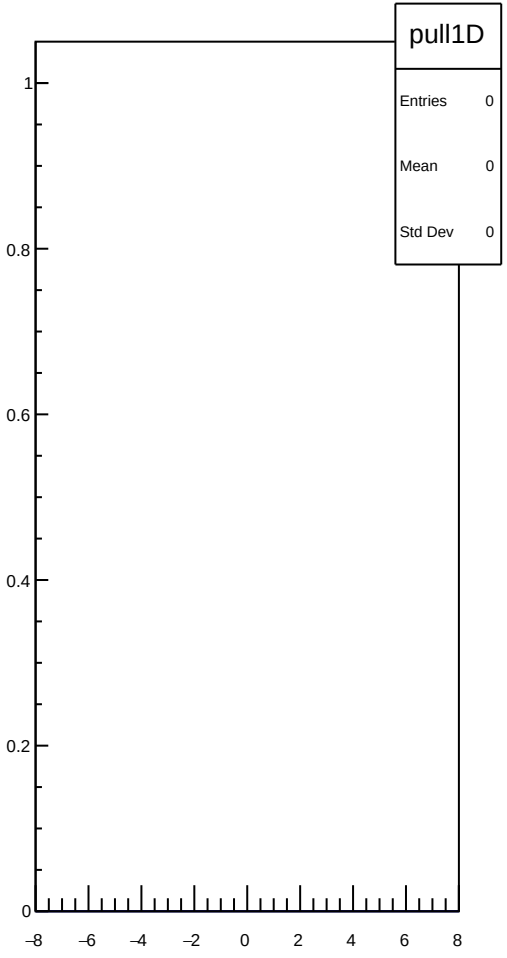

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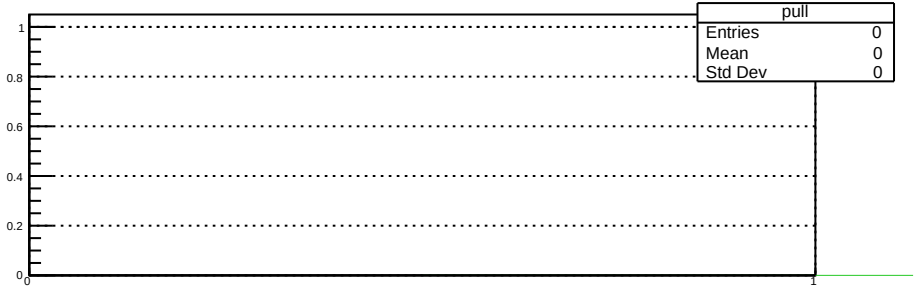

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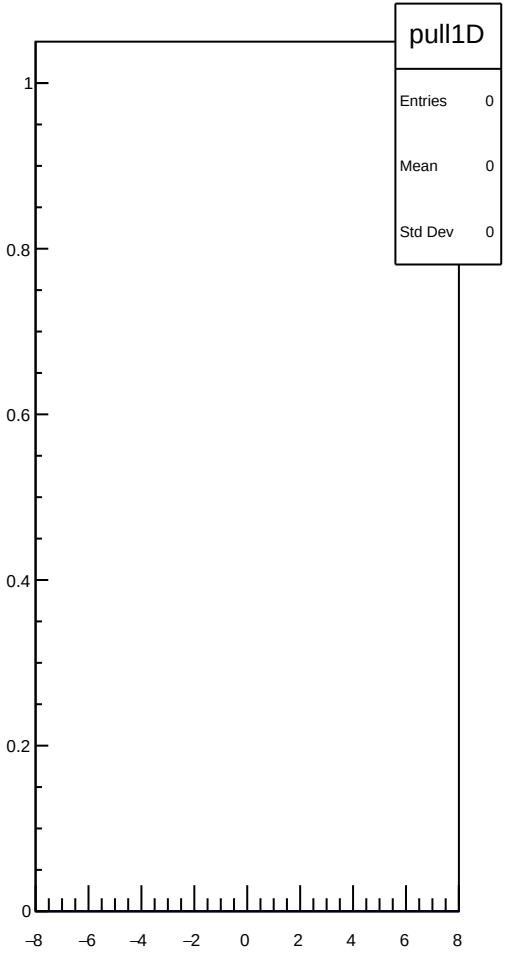

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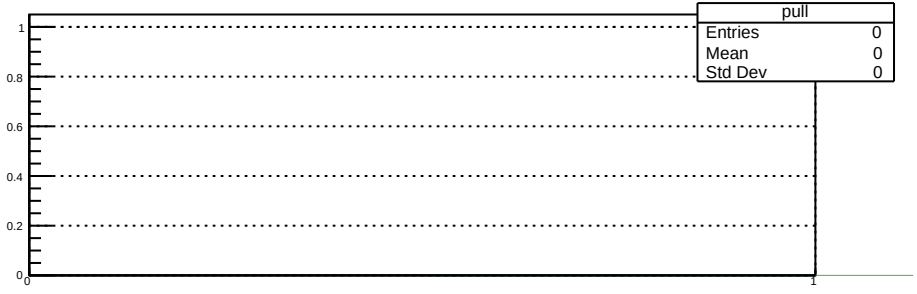

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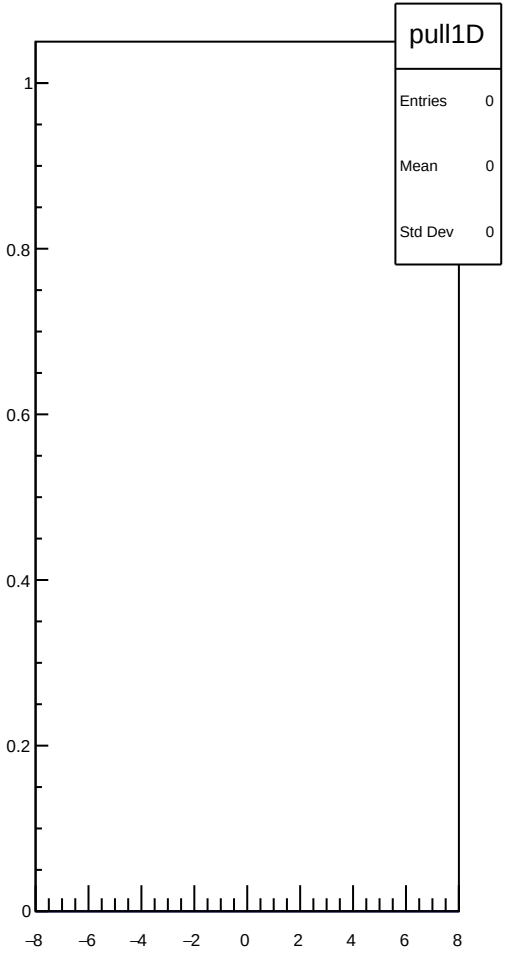

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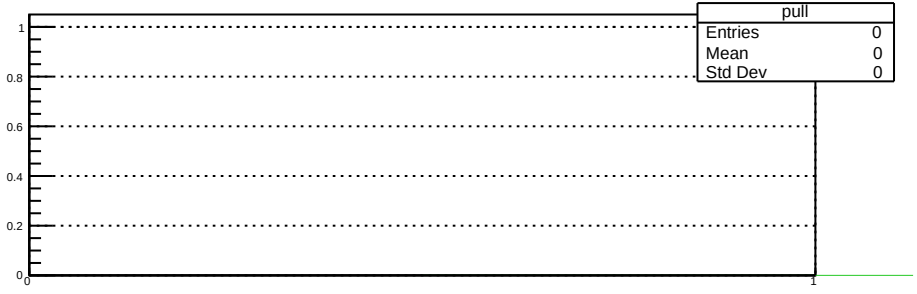

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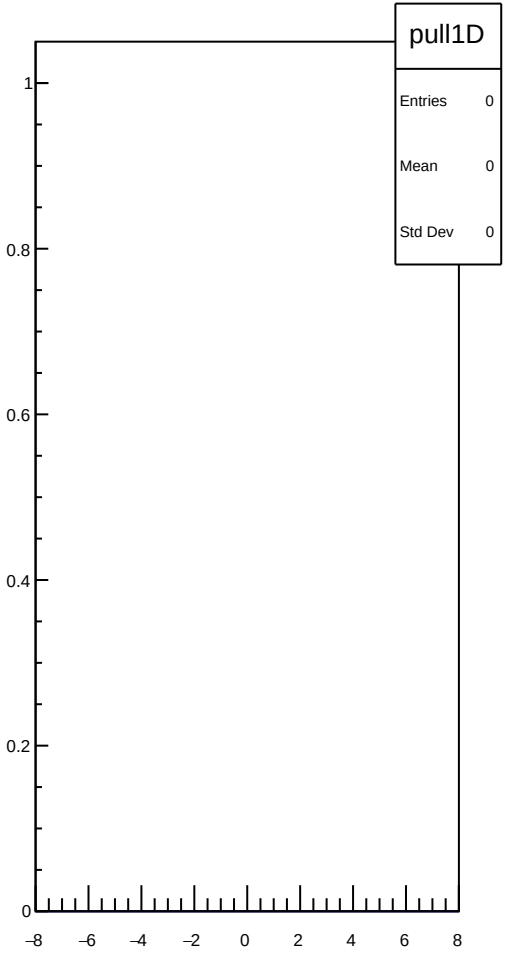

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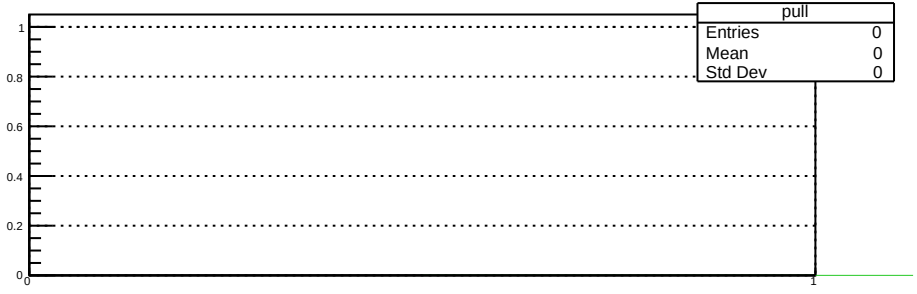

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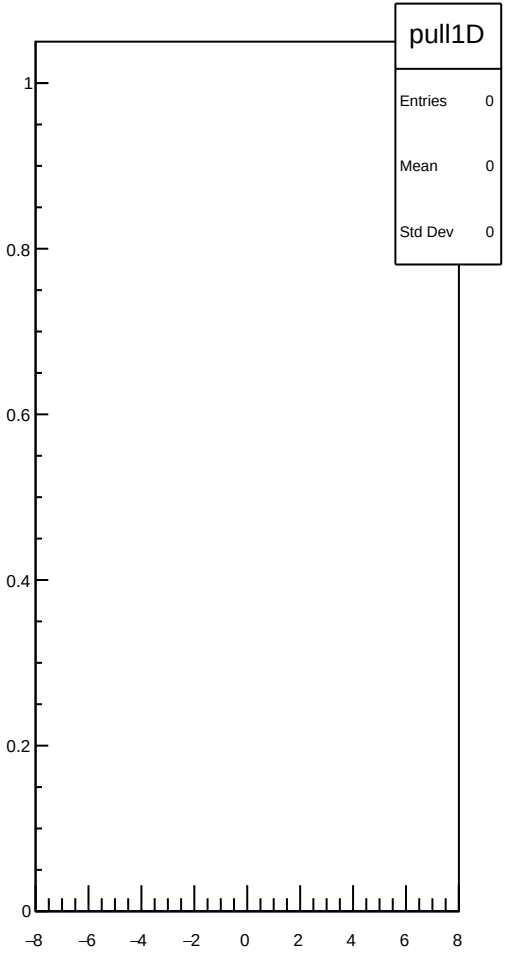

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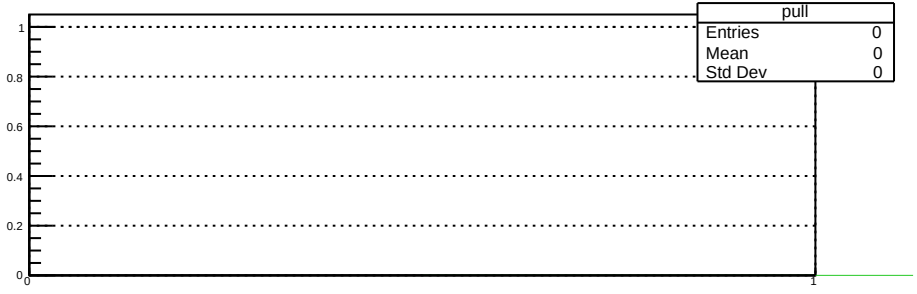

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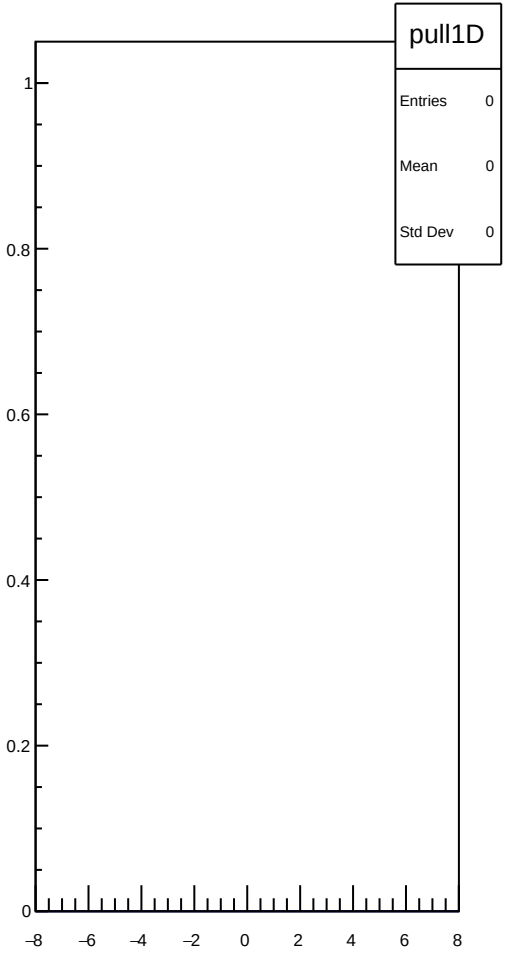

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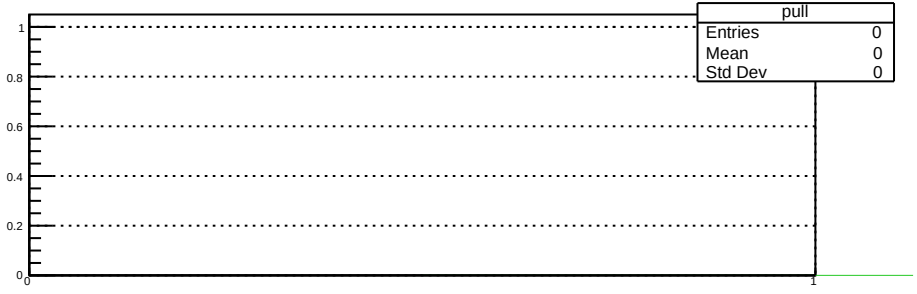

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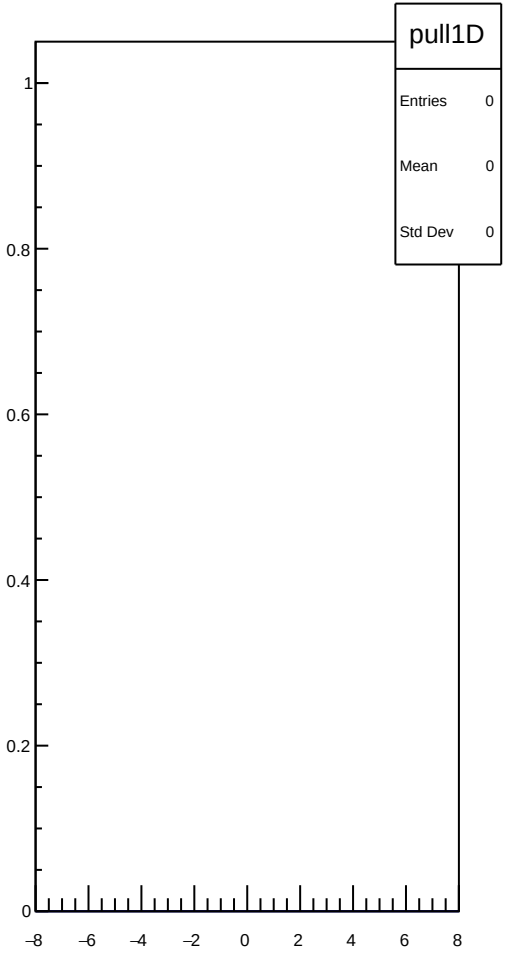

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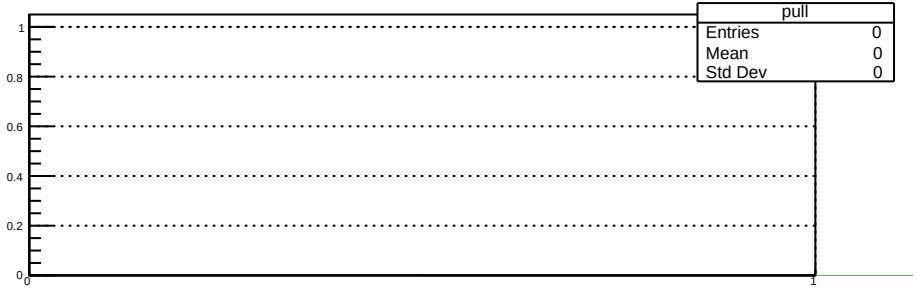

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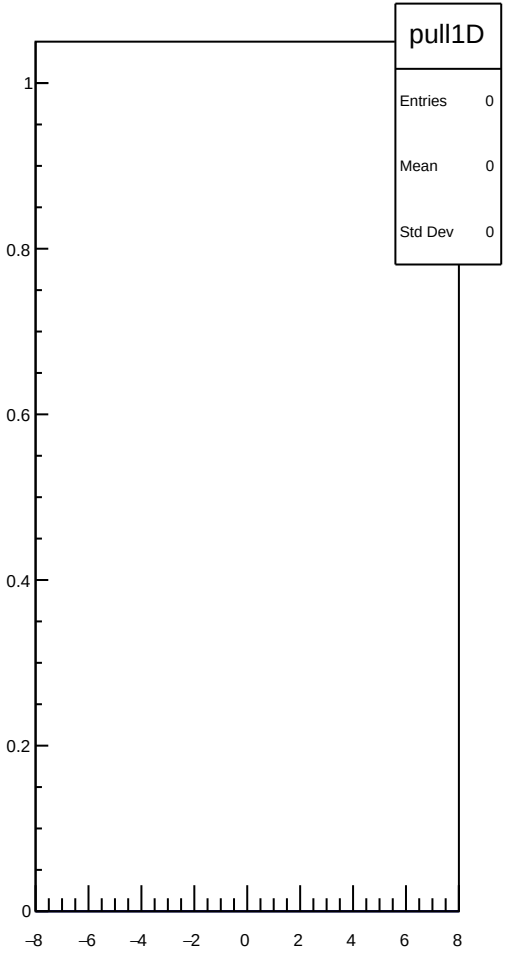

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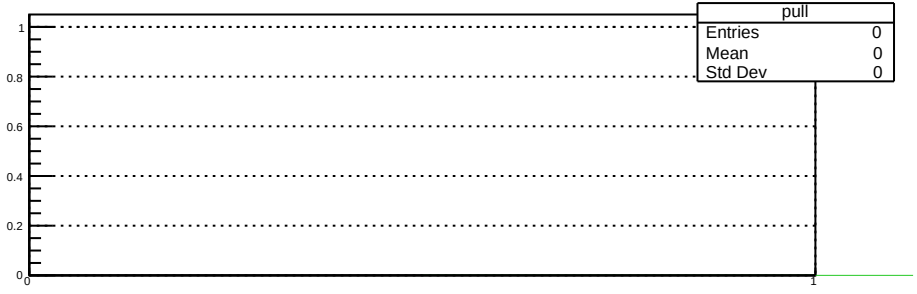

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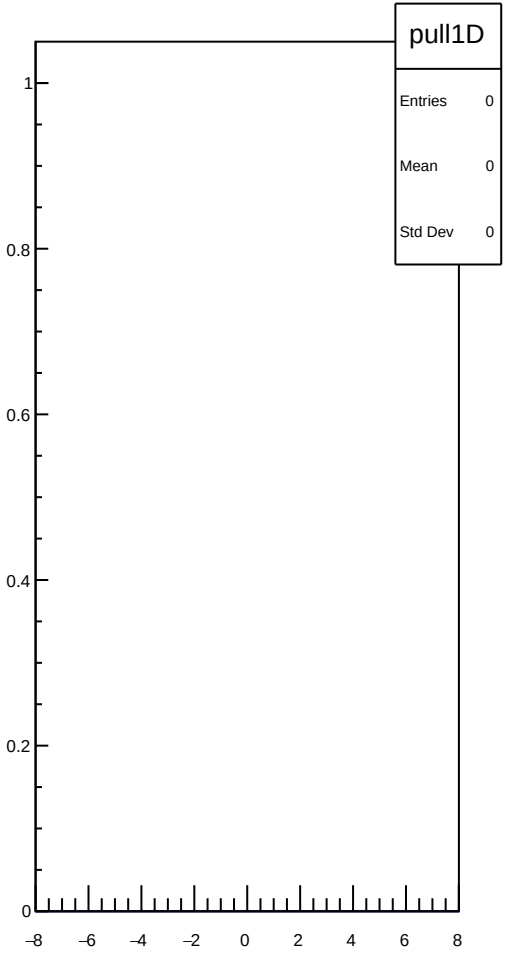

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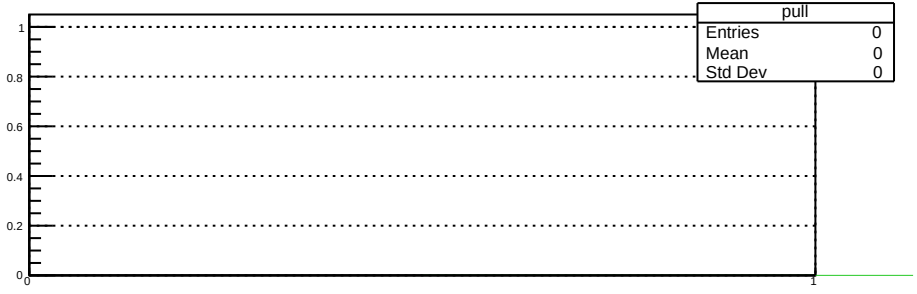

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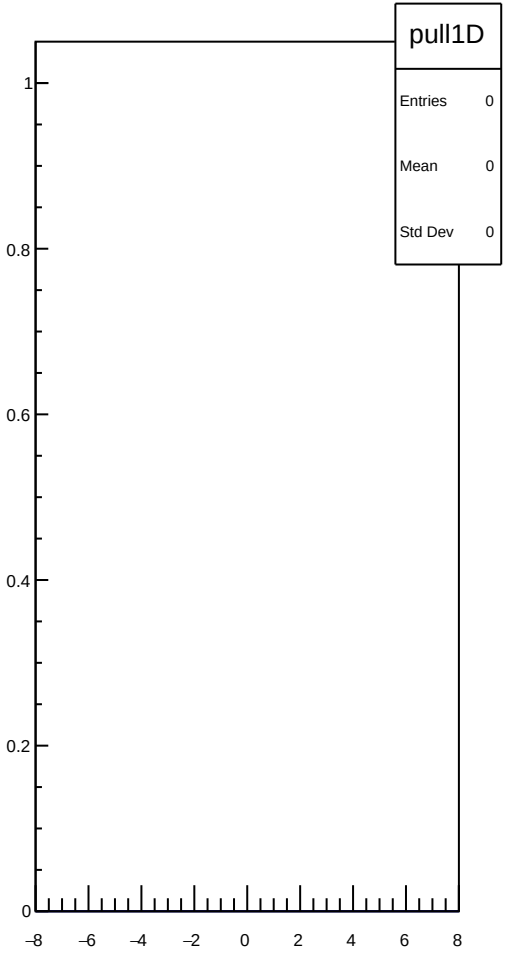

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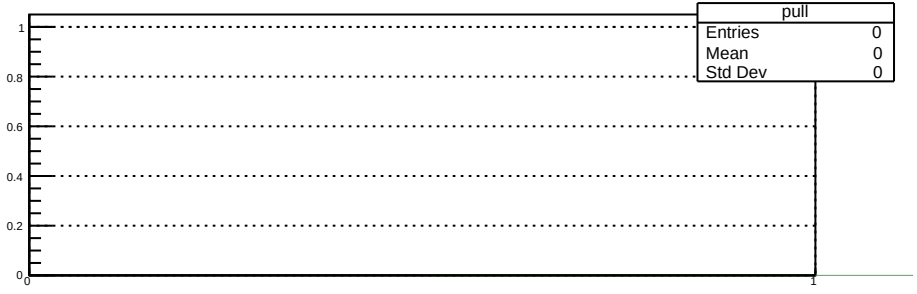

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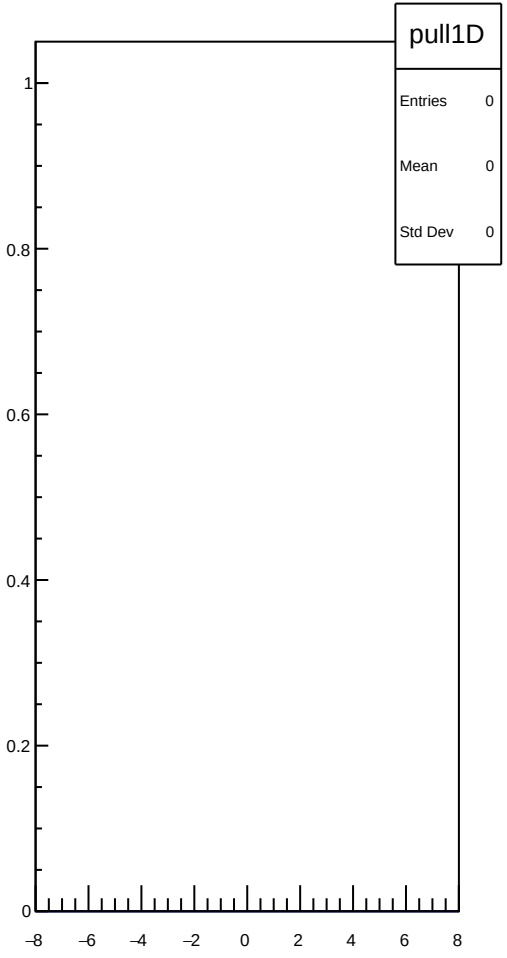

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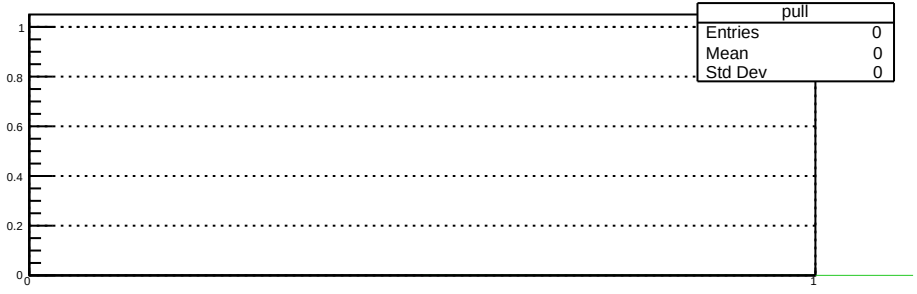

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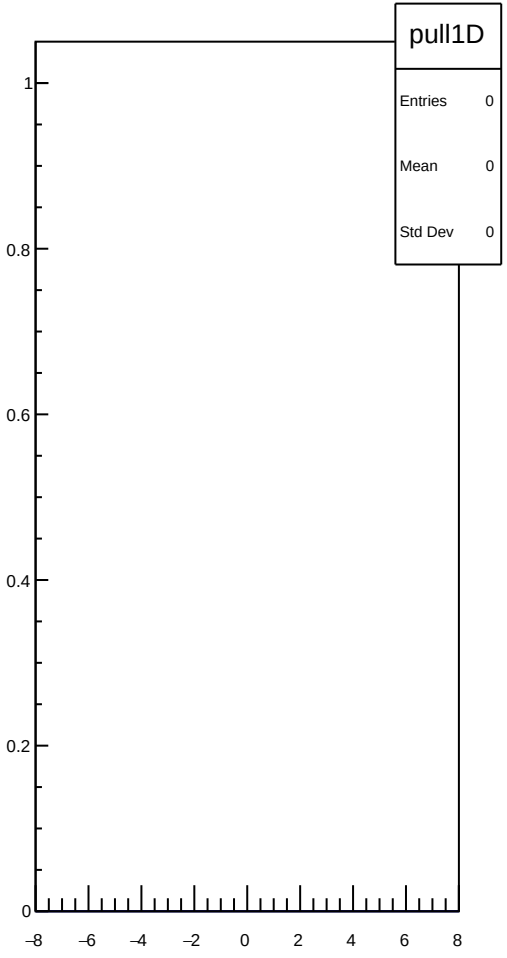

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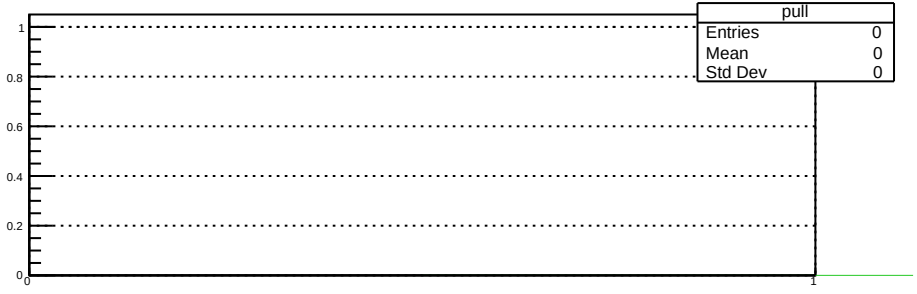

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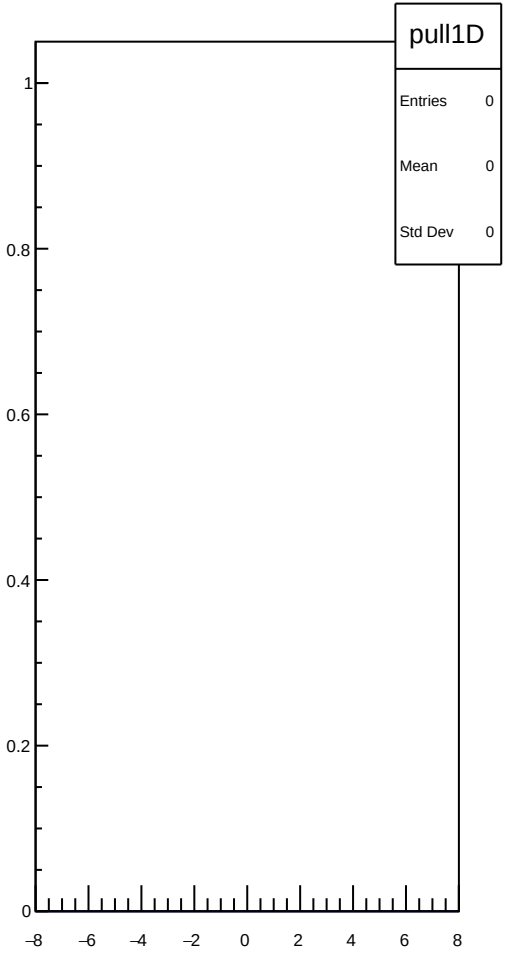

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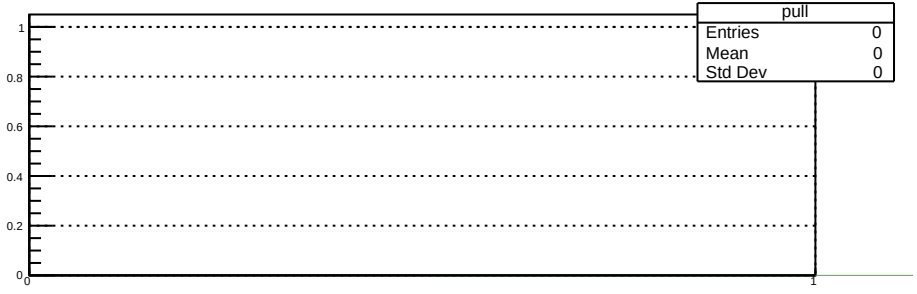

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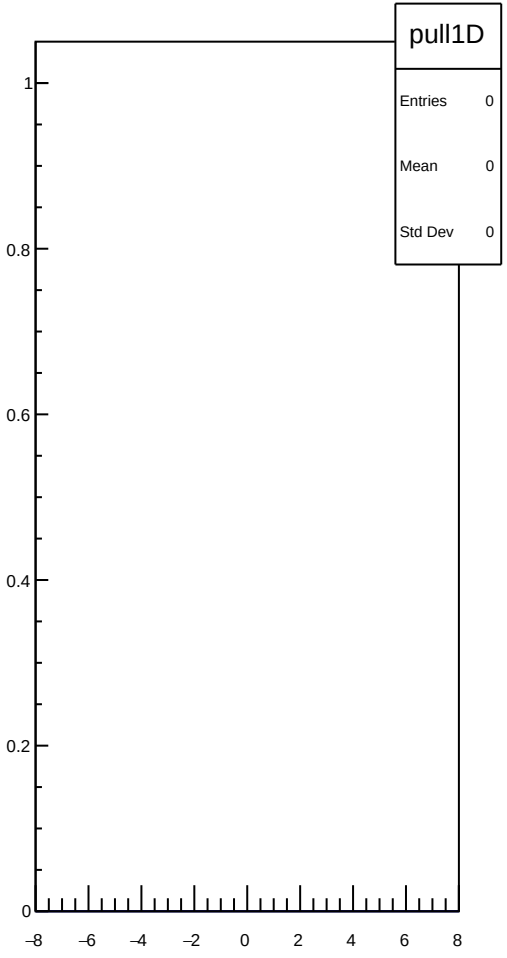

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0.2
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0
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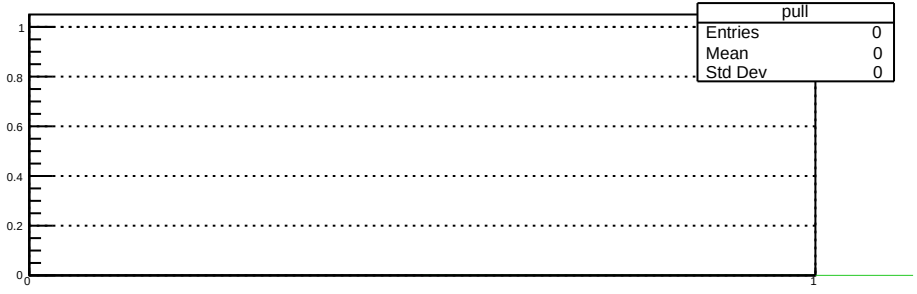

pull1D
Entries 0
Mean 0
Std Dev 0
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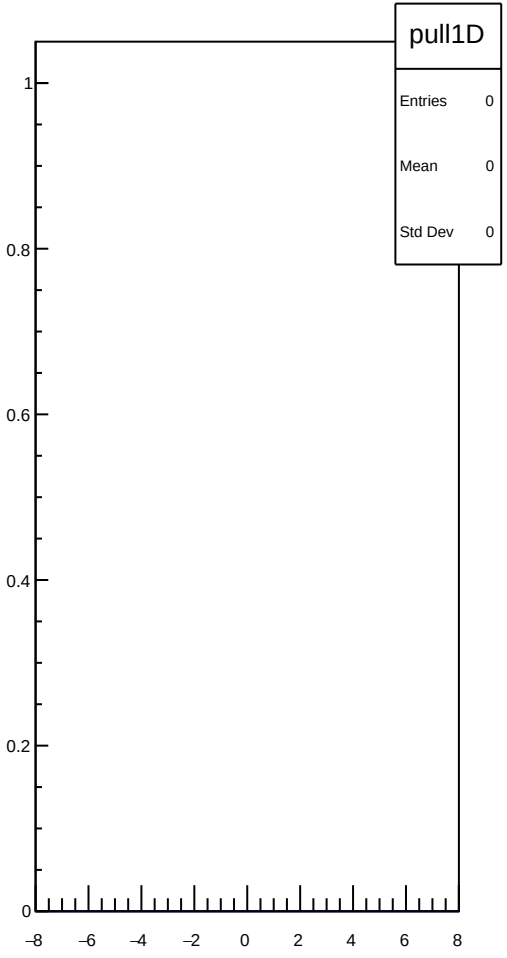

pull
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Std Dev 0
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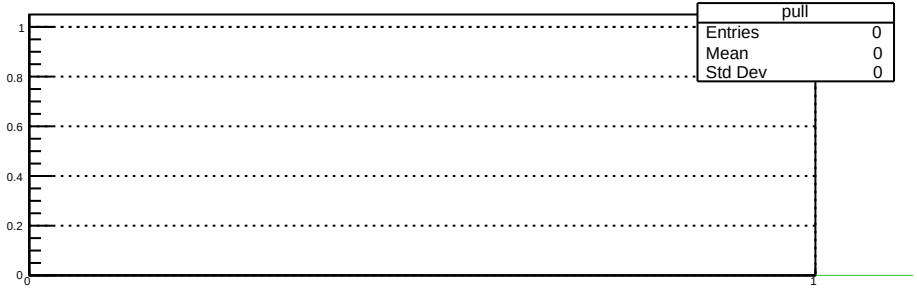

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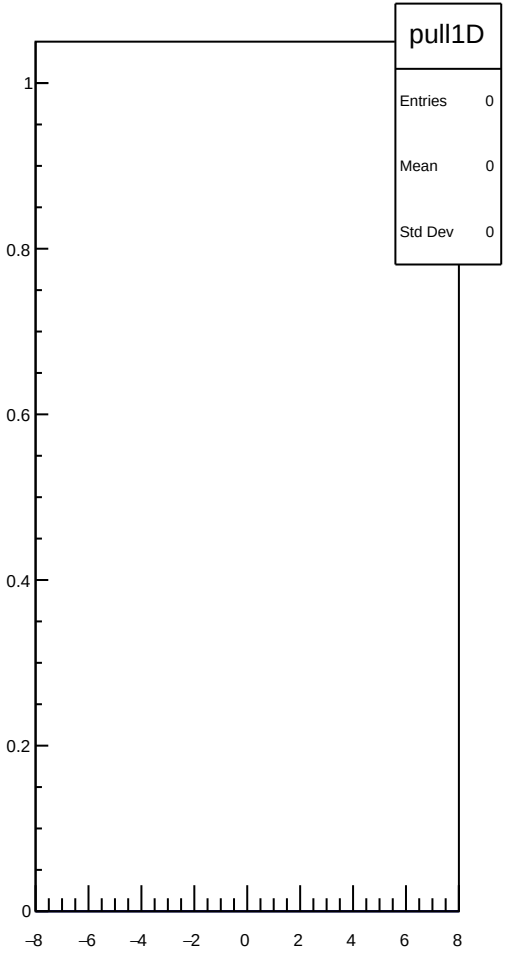

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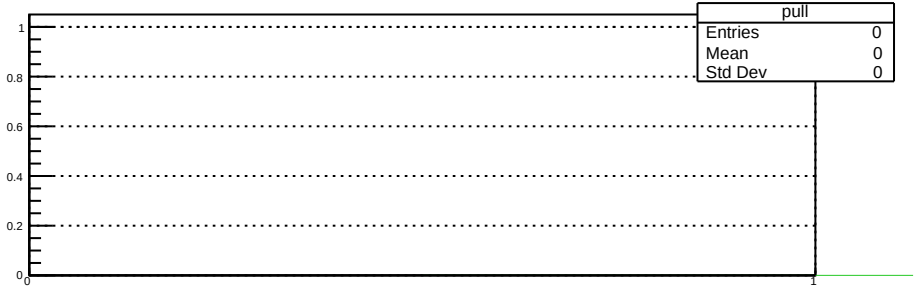

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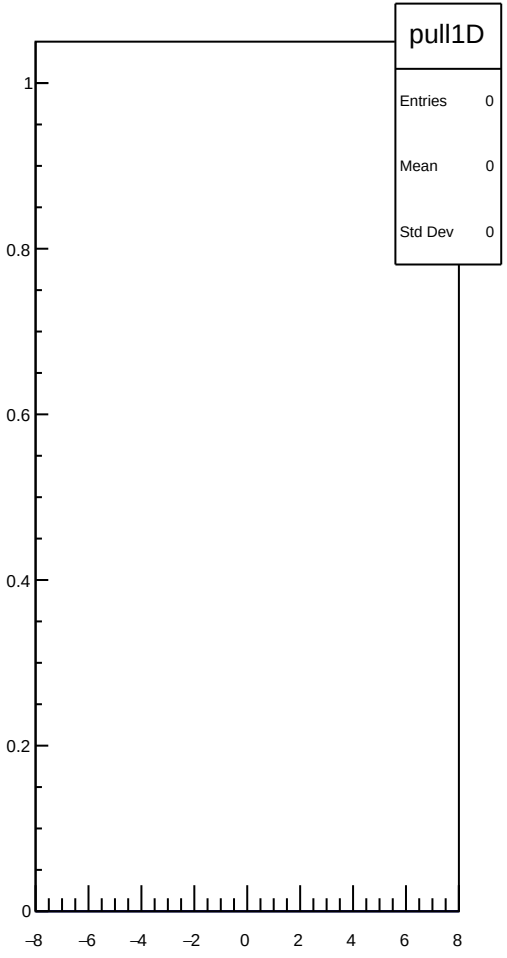

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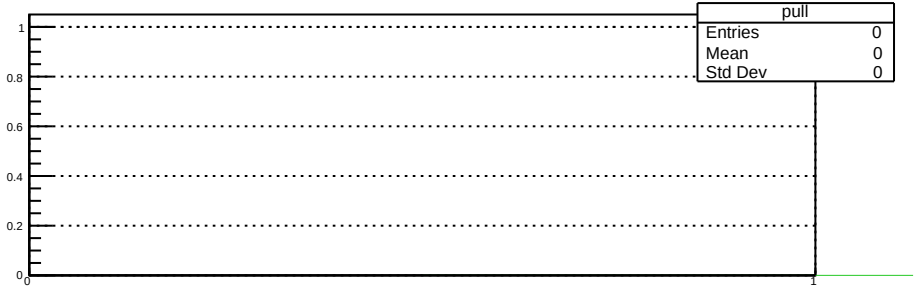

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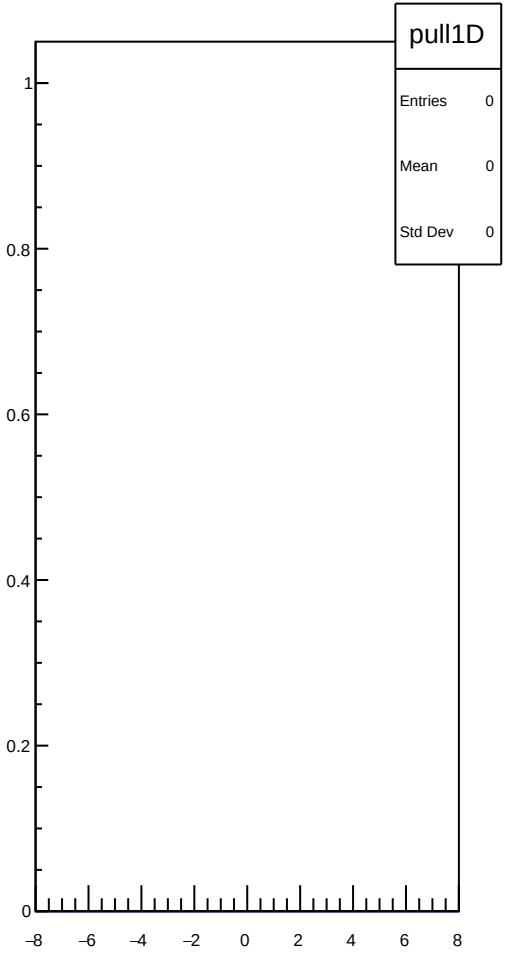

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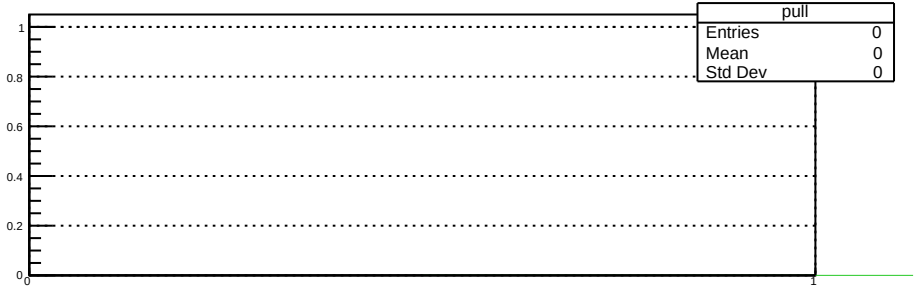

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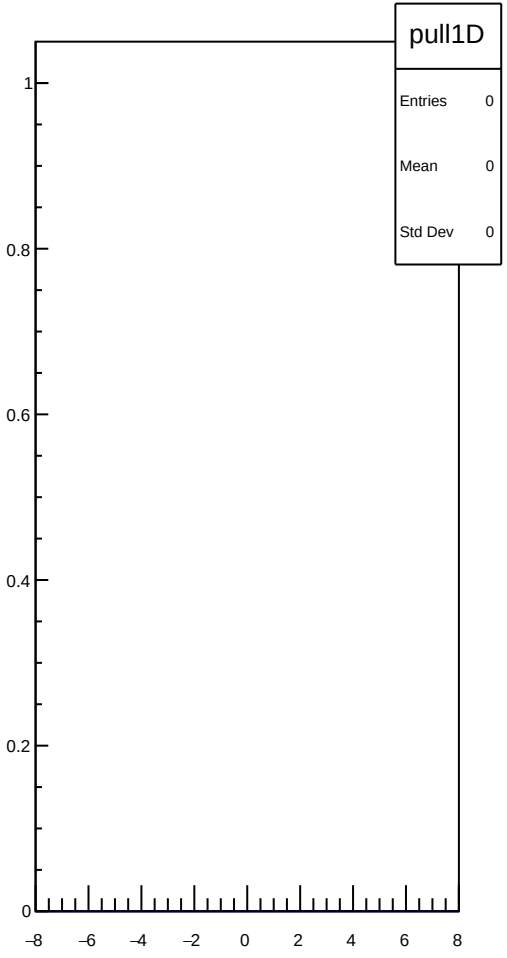

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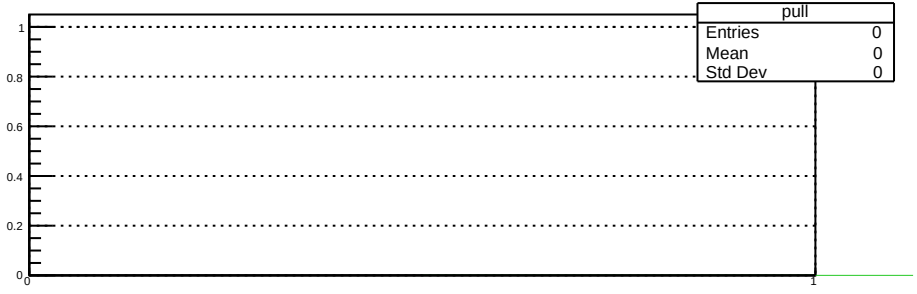

pull1D
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Std Dev 0
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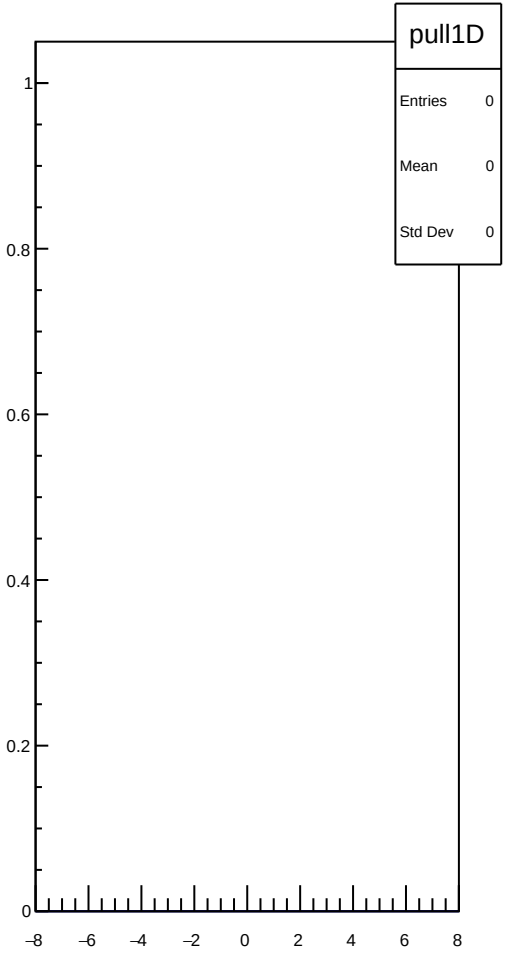

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Std Dev 0
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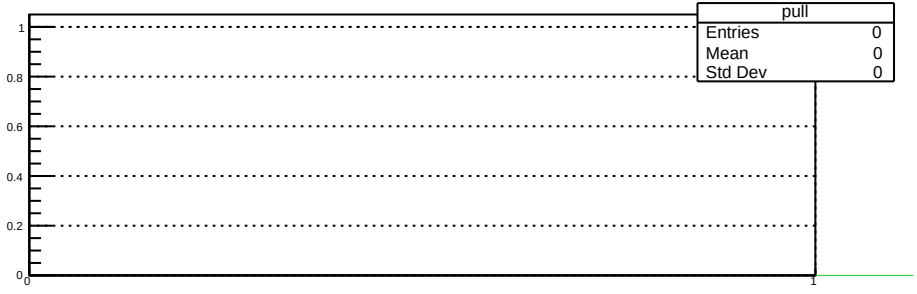

pull1D
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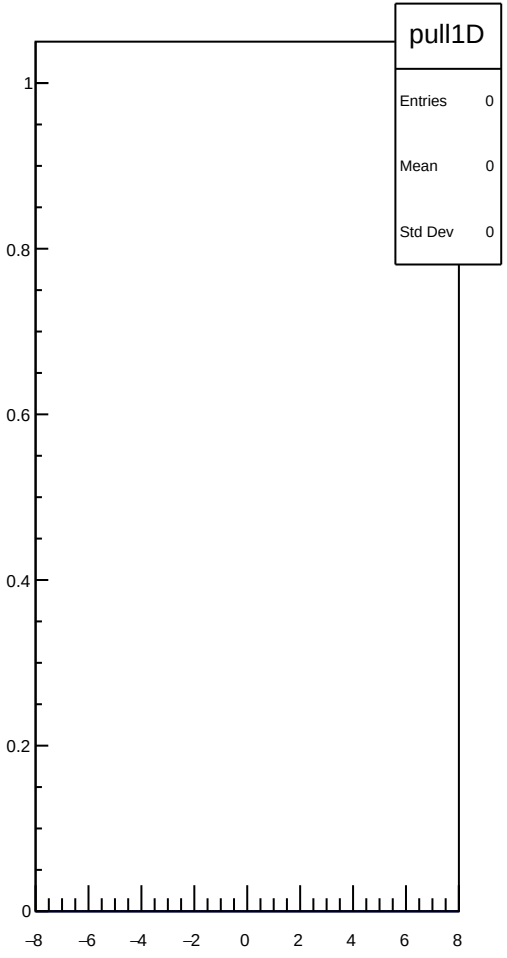

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Std Dev 0
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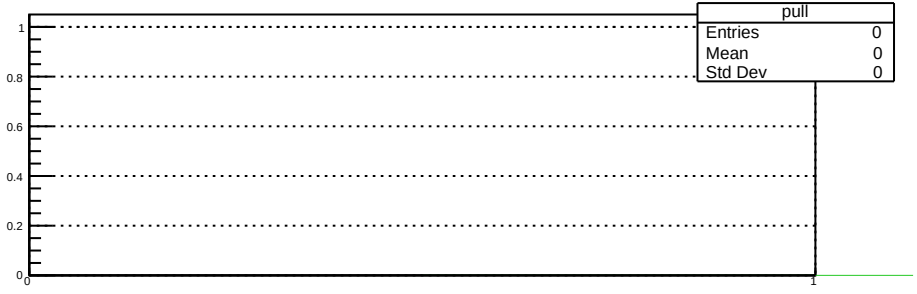

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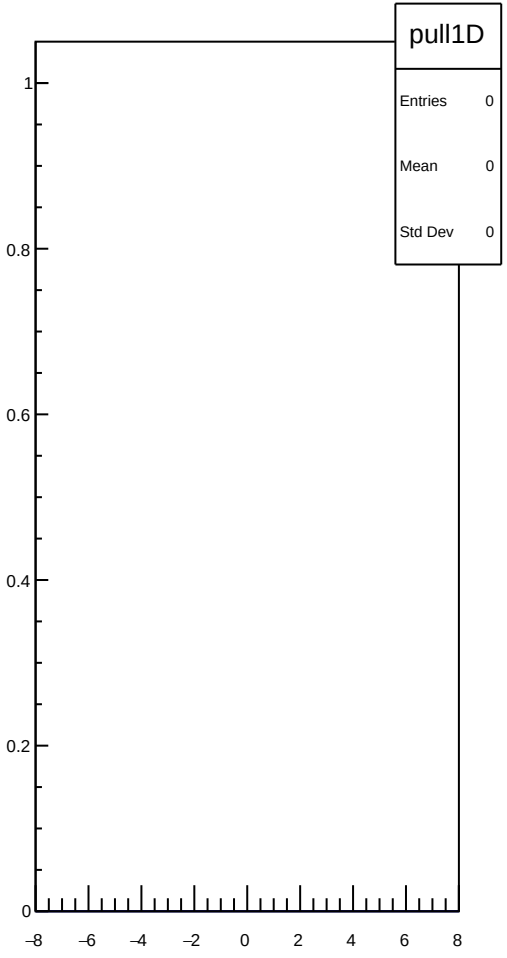

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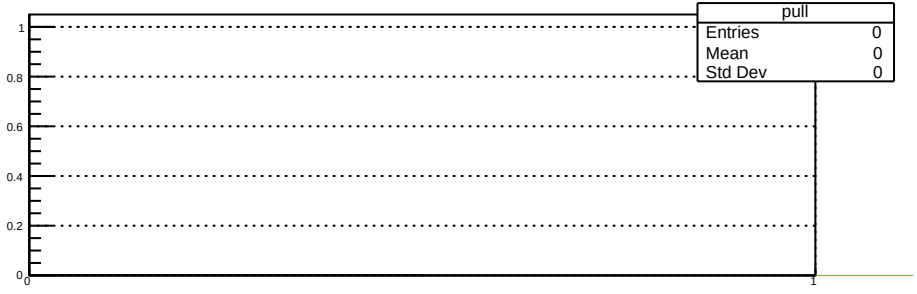

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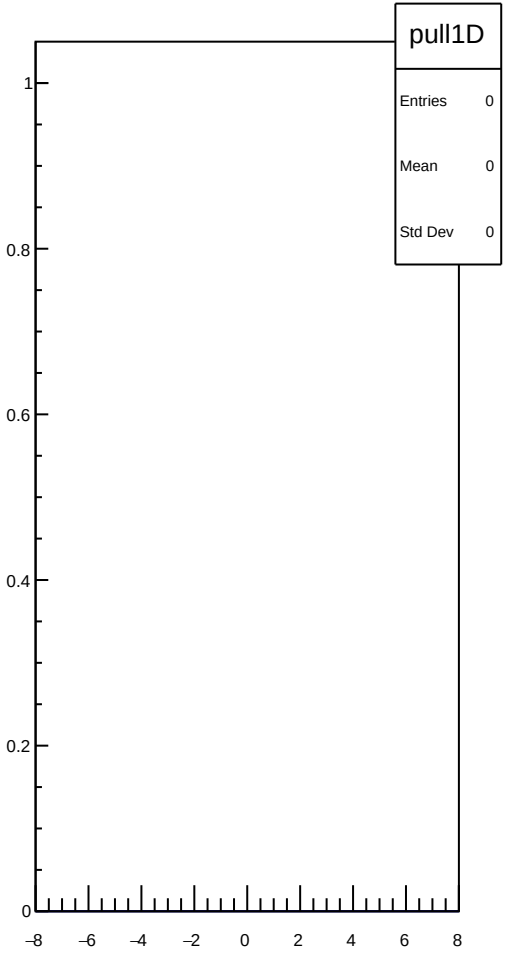

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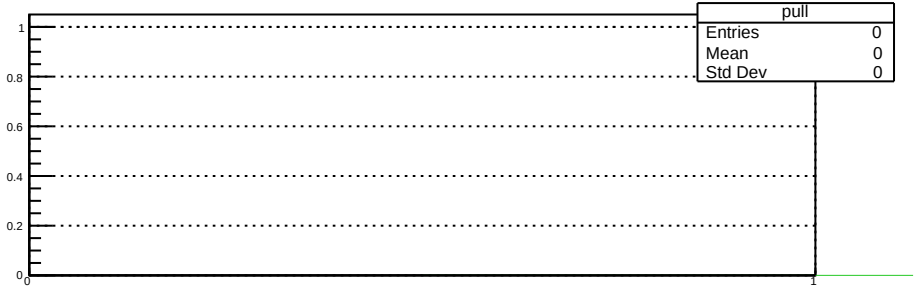

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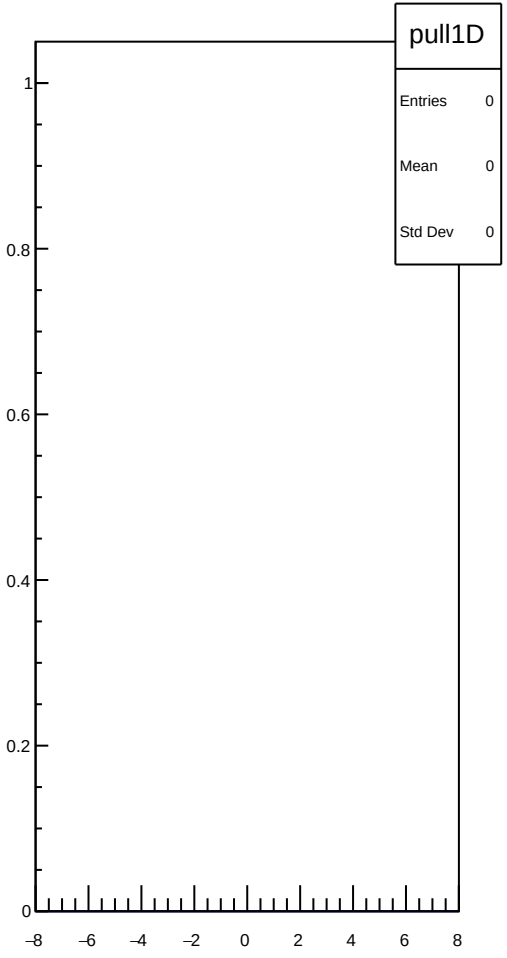

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Mean 0
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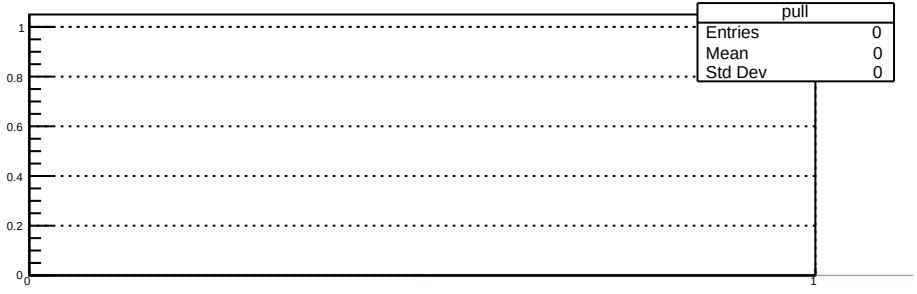

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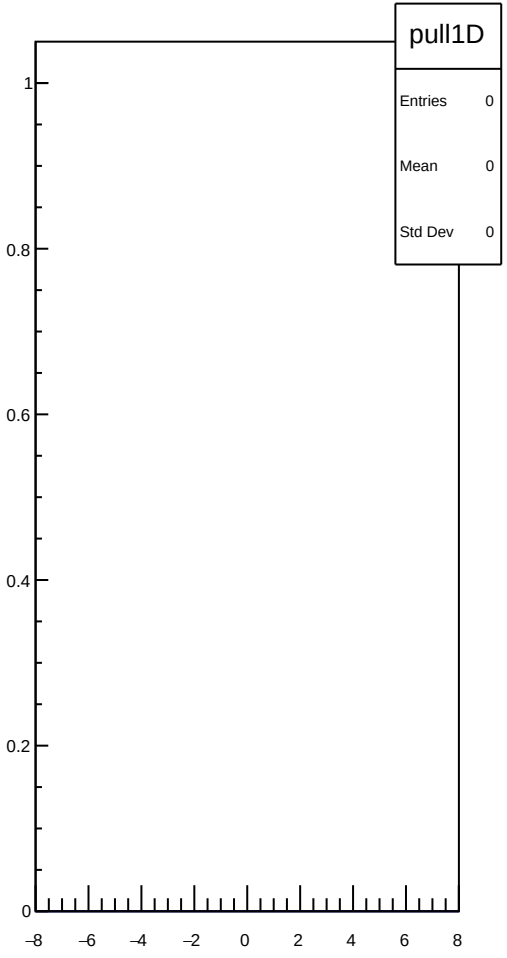

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Std Dev 0
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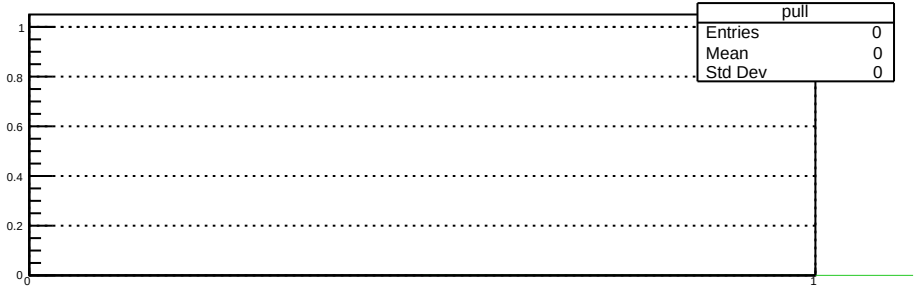

pull1D
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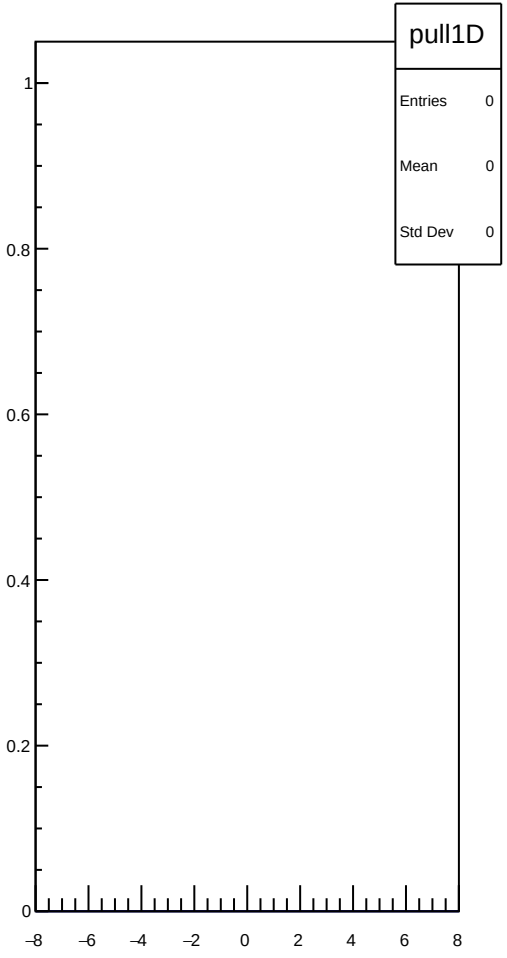

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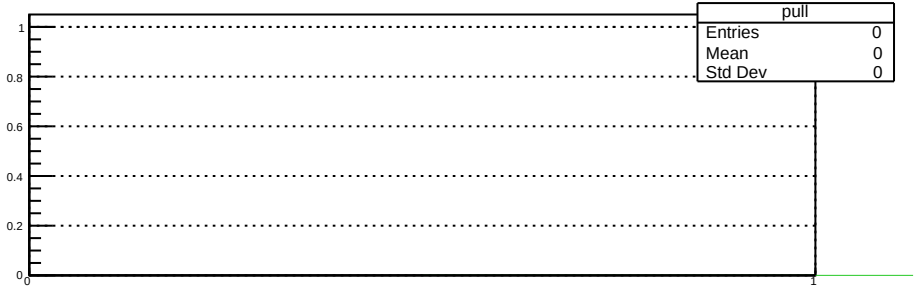

pull1D
Entries 0
Mean 0
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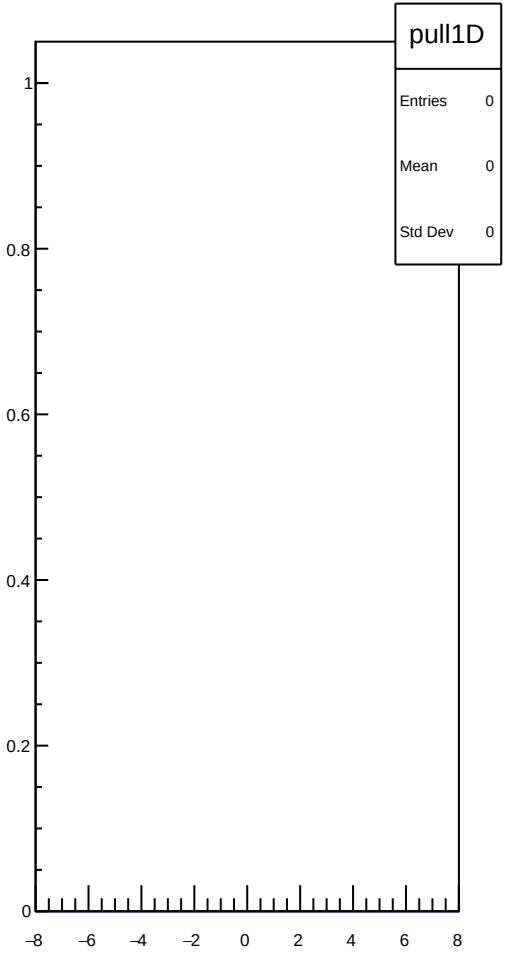

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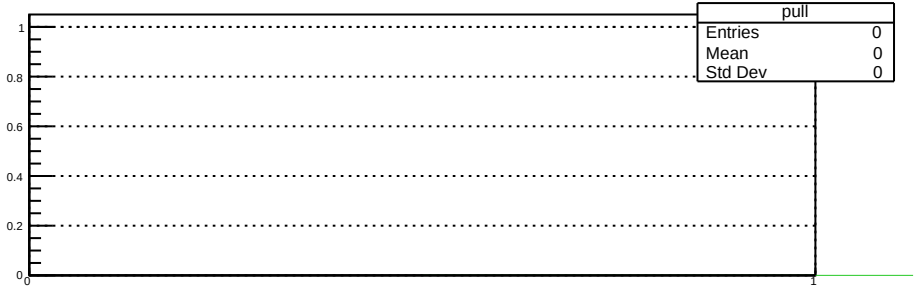

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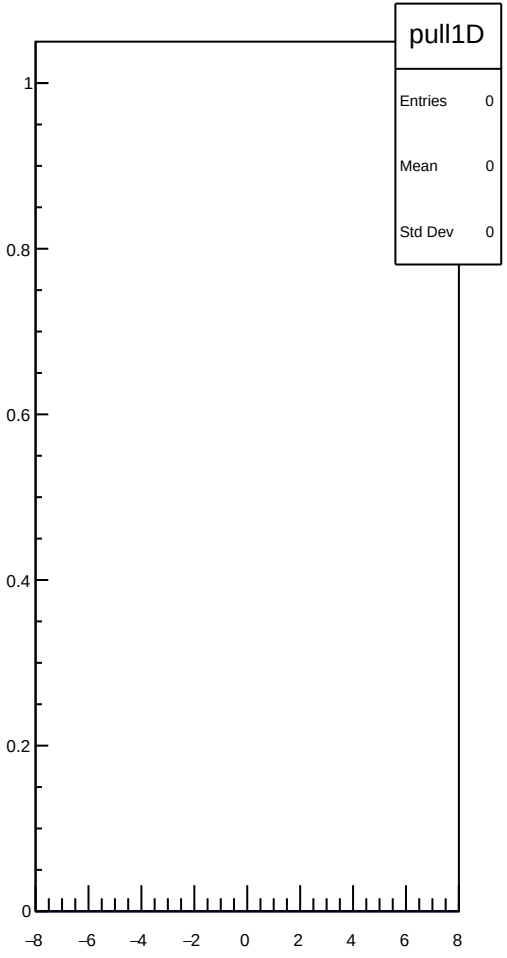

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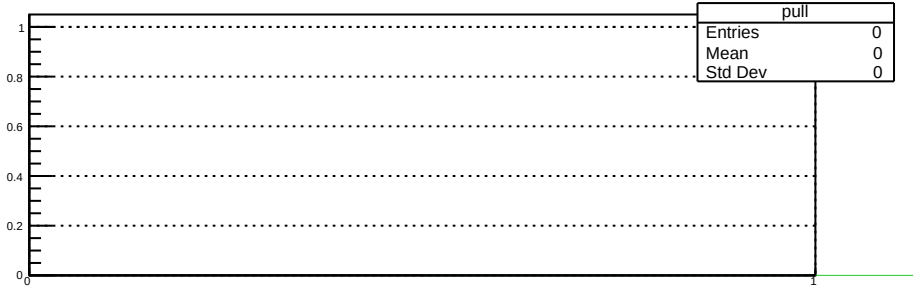

pull1D
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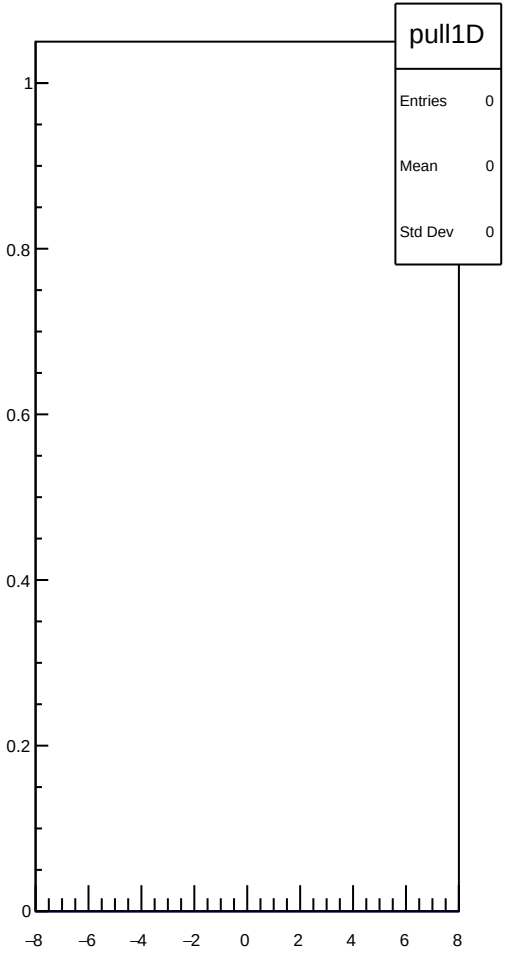

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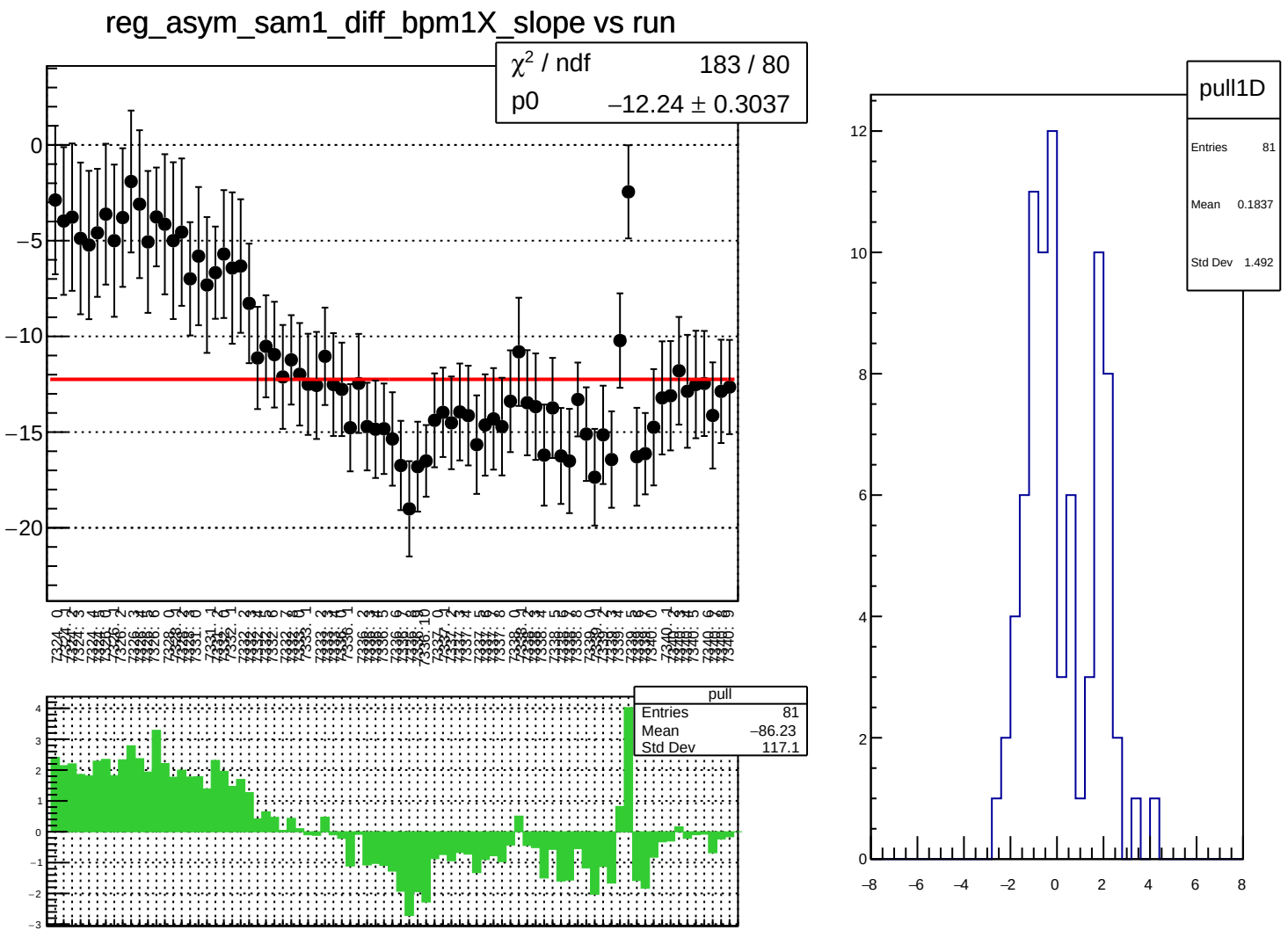

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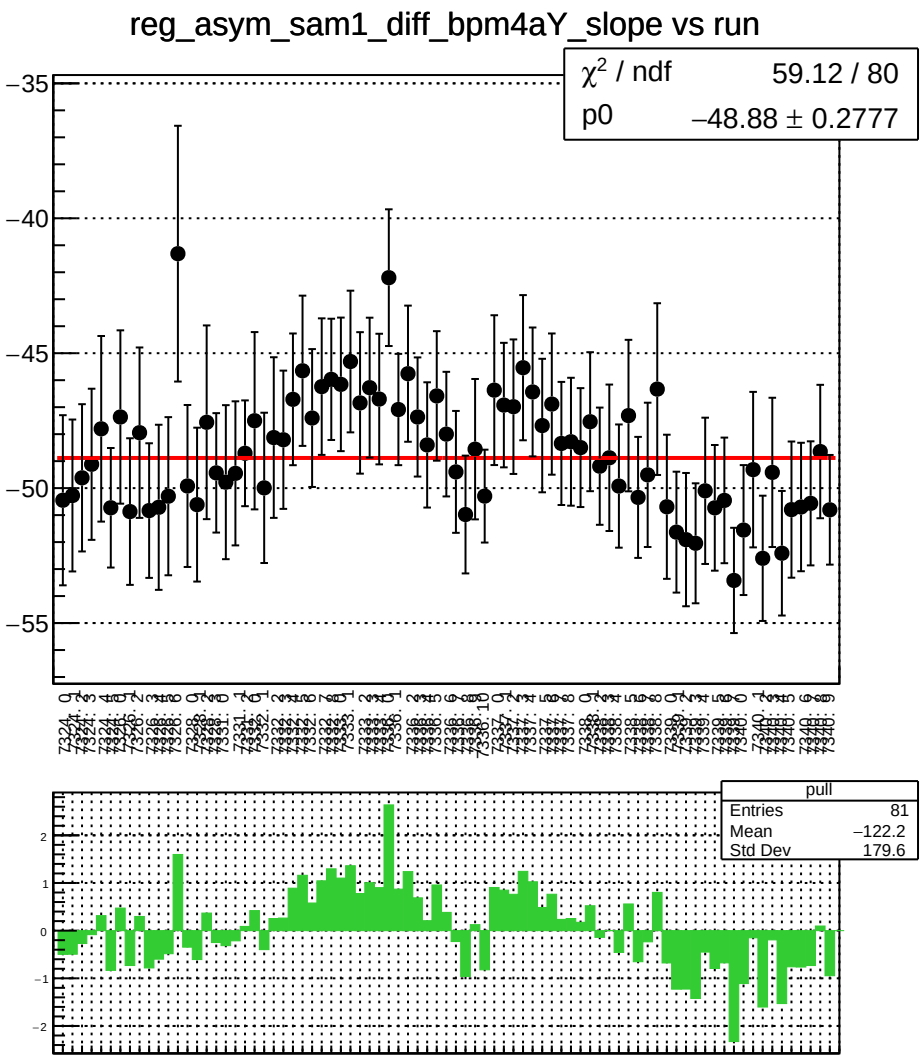

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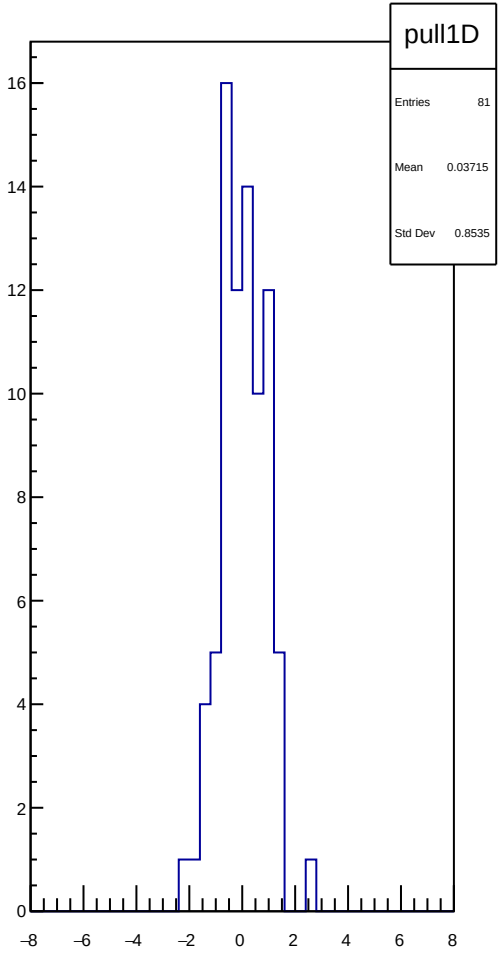

pull1D
Entries 0
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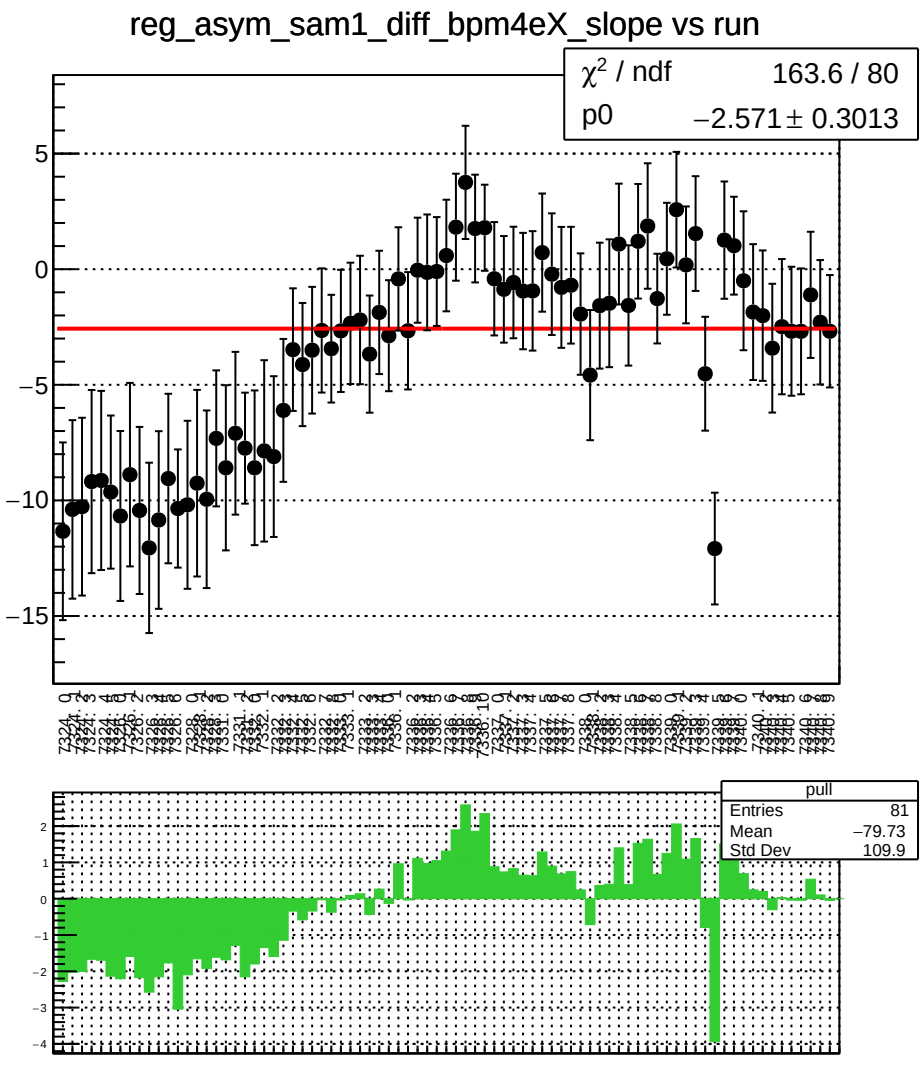

pull
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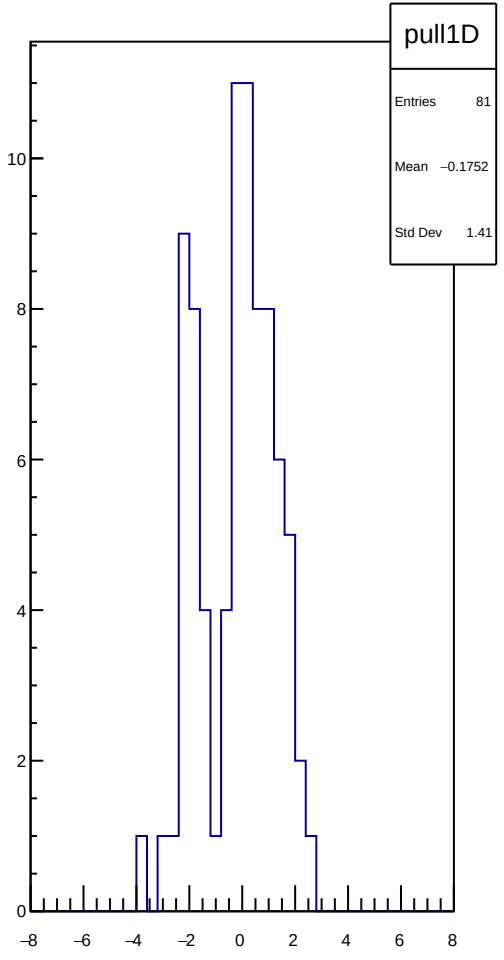

pull1D
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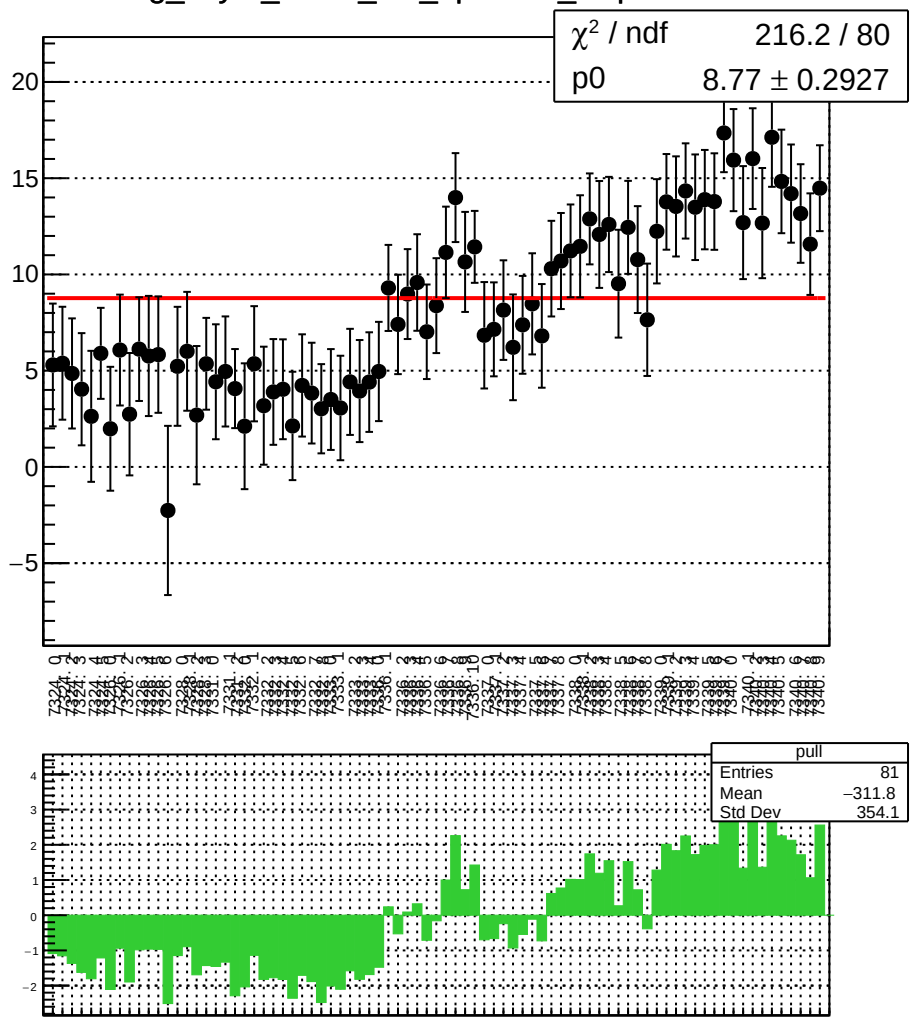

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 183 / 80
p0 −12.24 ± 0.3037
pull
Entries 81
Mean −86.23
Std Dev 117.1
pull1D
Entries 81
Mean 0.1837
Std Dev 1.492

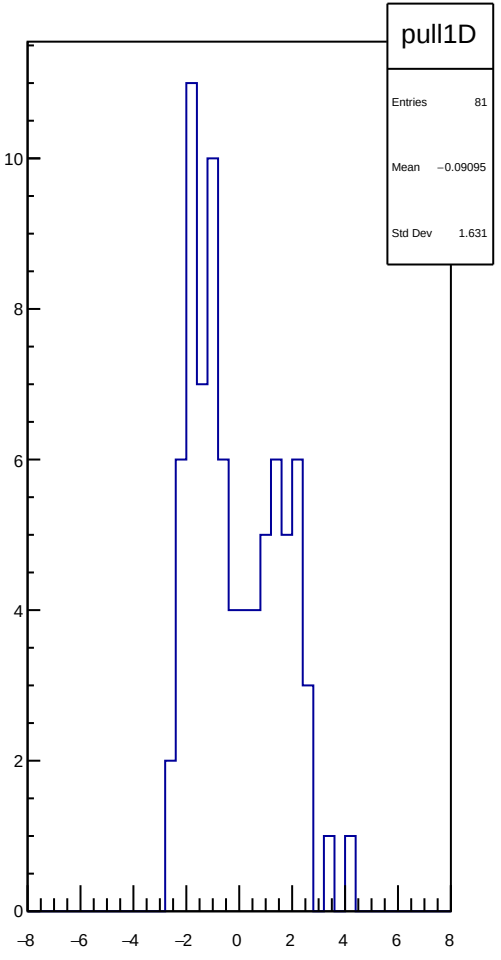

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 59.12 / 80
p0 −48.88 ± 0.2777
pull
Entries 81
Mean −122.2
Std Dev 179.6

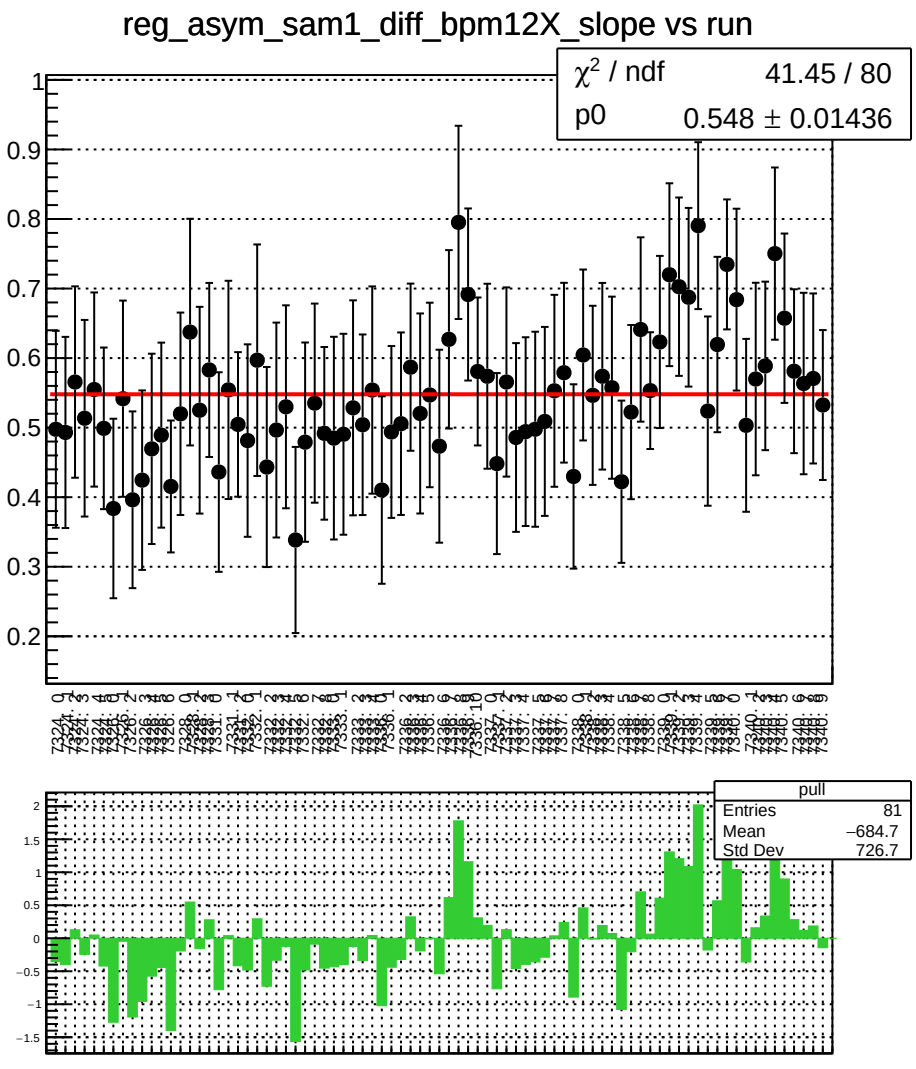

pull1D
Entries 81
Mean 0.03715
Std Dev 0.8535

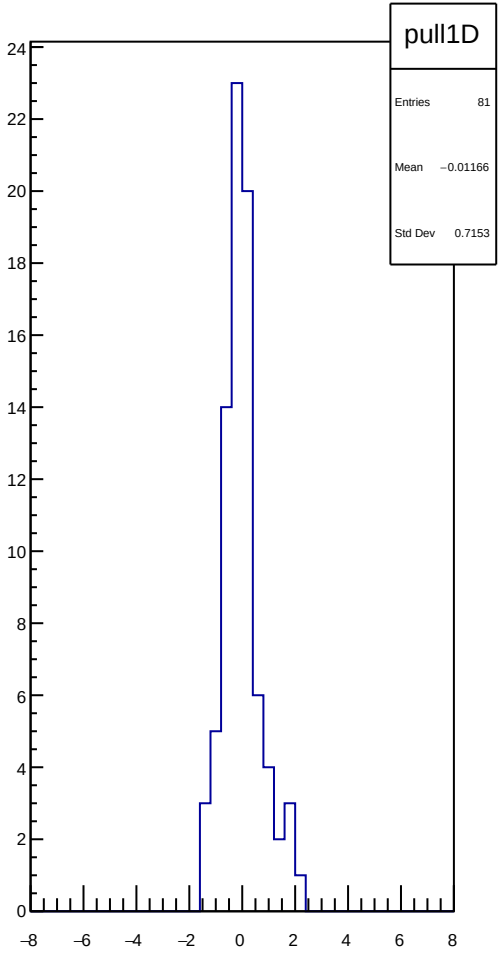

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 163.6 / 80
p0 −2.571 ± 0.3013
pull
Entries 81
Mean −79.73
Std Dev 109.9

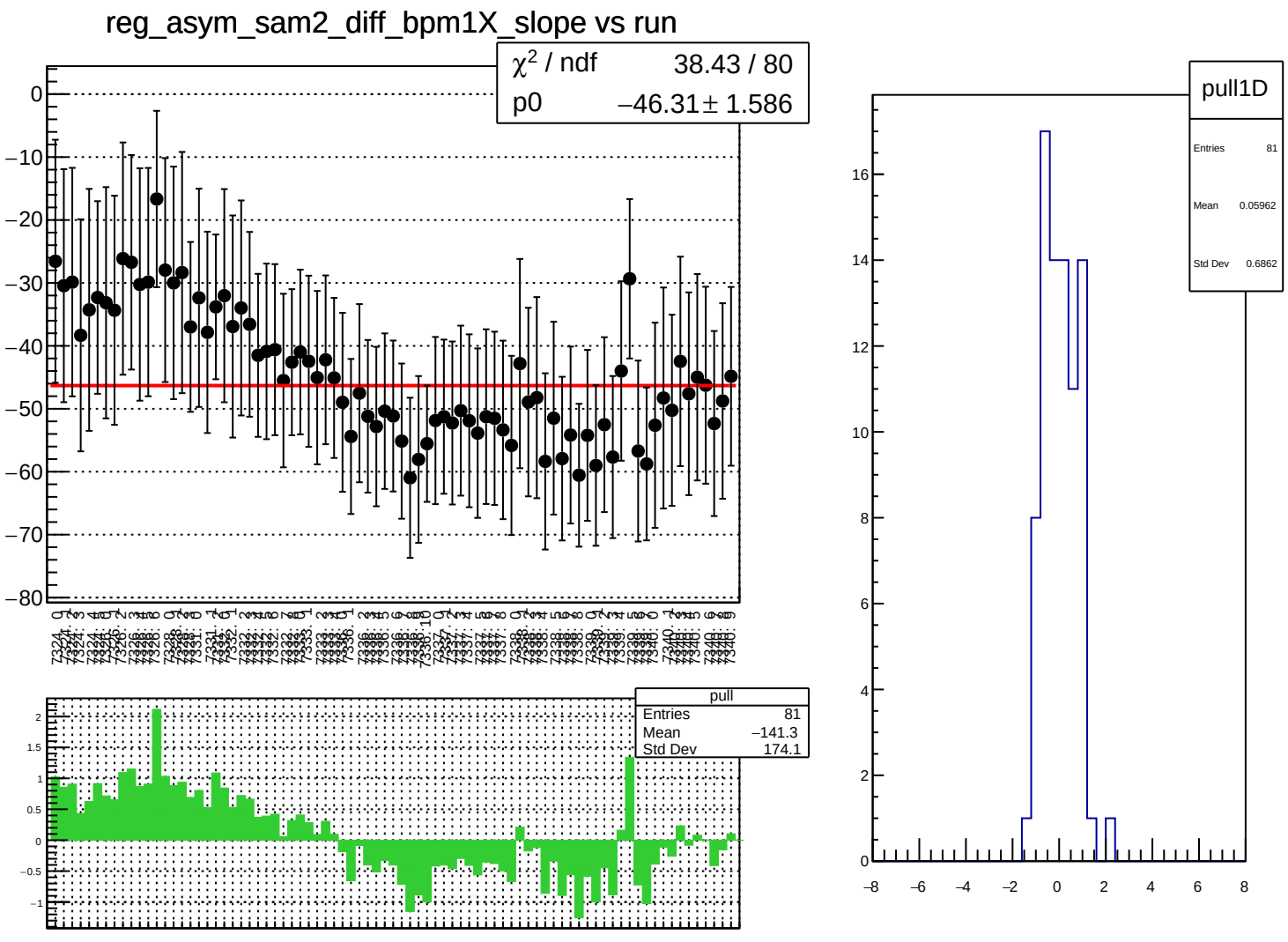

pull1D
Entries 81
Mean −0.1752
Std Dev 1.41

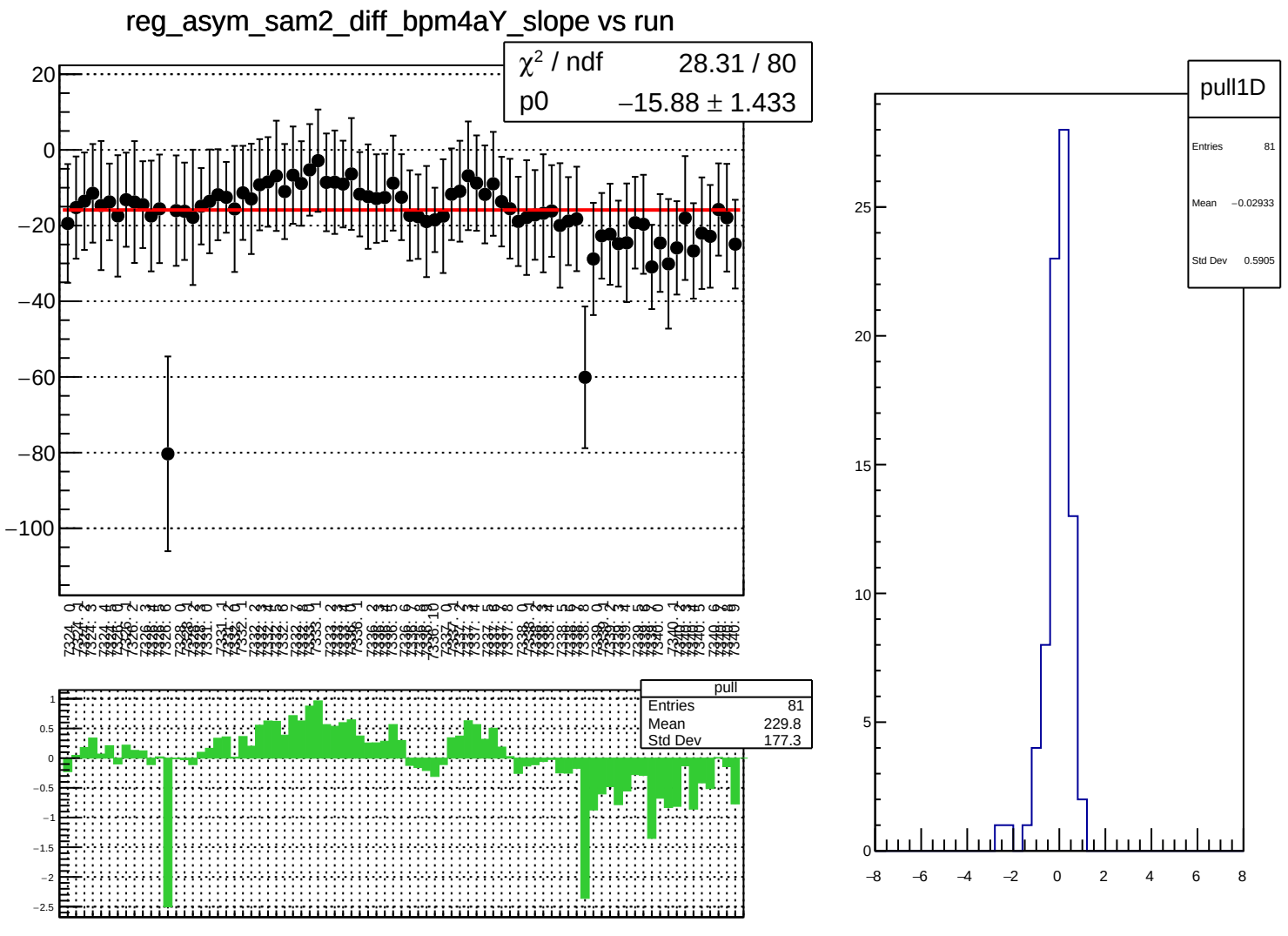

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 216.2 / 80
p0 8.77 ± 0.2927
pull
Entries 81
Mean −311.8
Std Dev 354.1

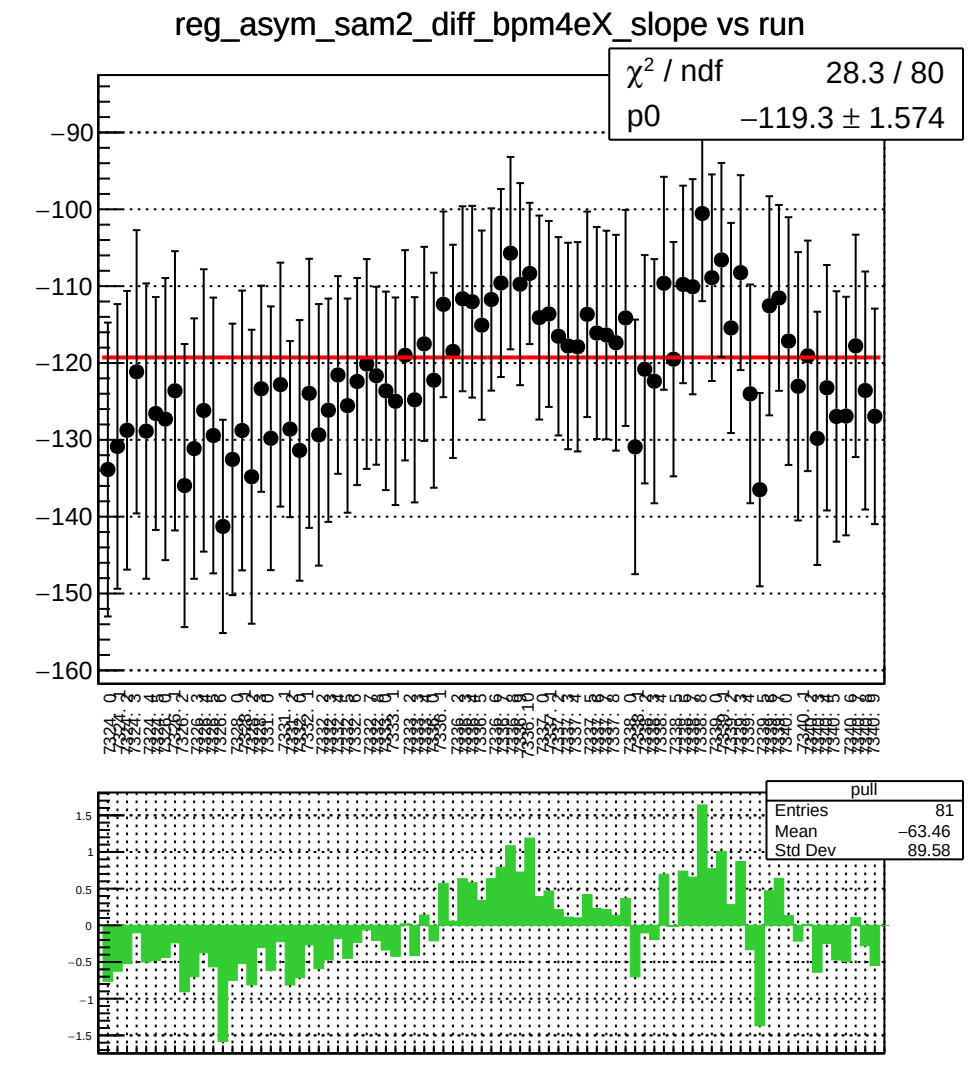

pull1D
Entries 81
Mean −0.09095
Std Dev 1.631

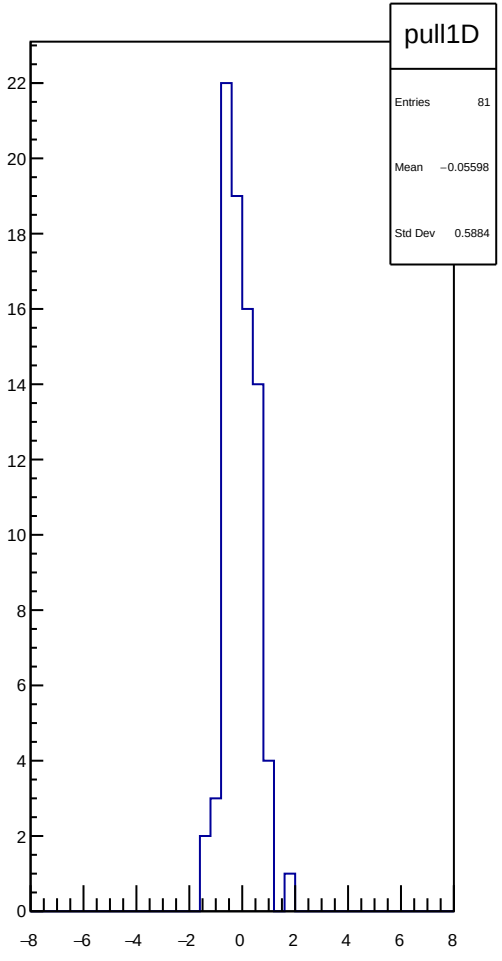

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 41.45 / 80
p0 0.548 ± 0.01436
pull
Entries 81
Mean −684.7
Std Dev 726.7

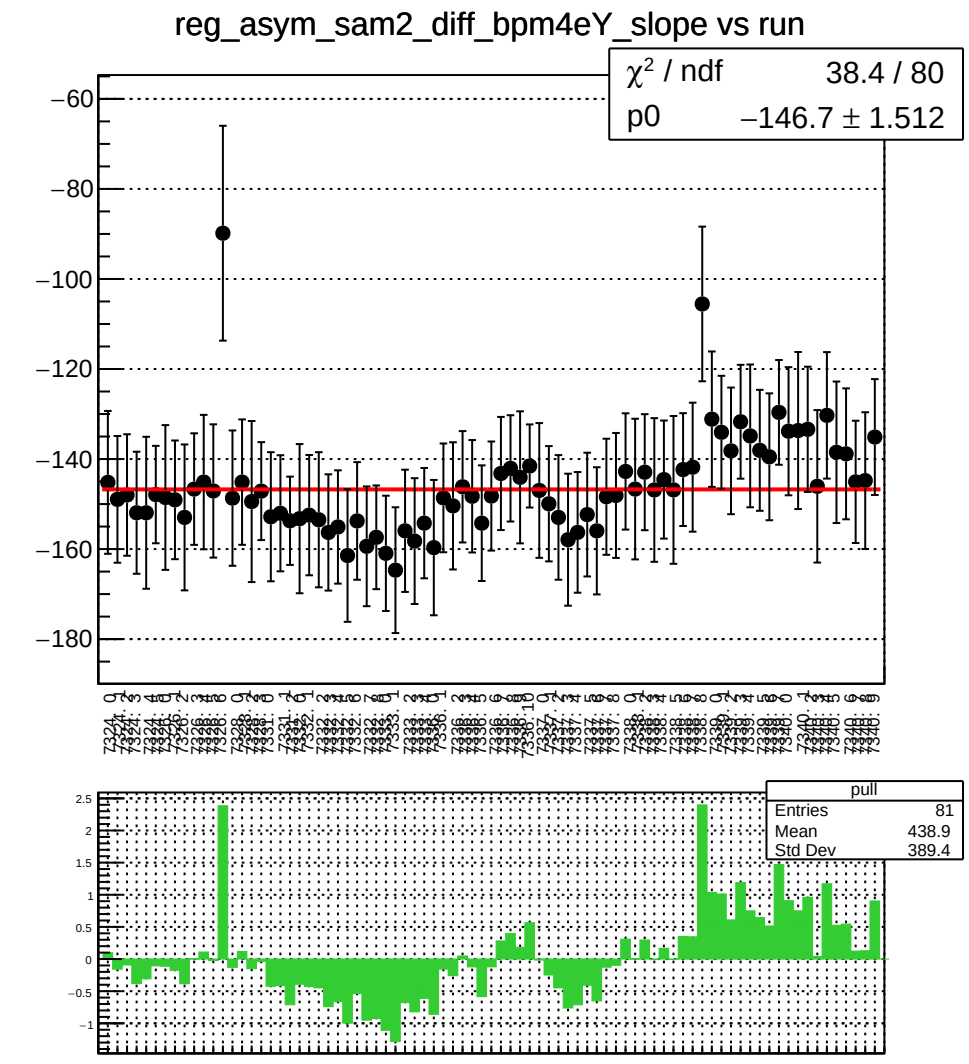

pull1D
Entries 81
Mean −0.01166
Std Dev 0.7153

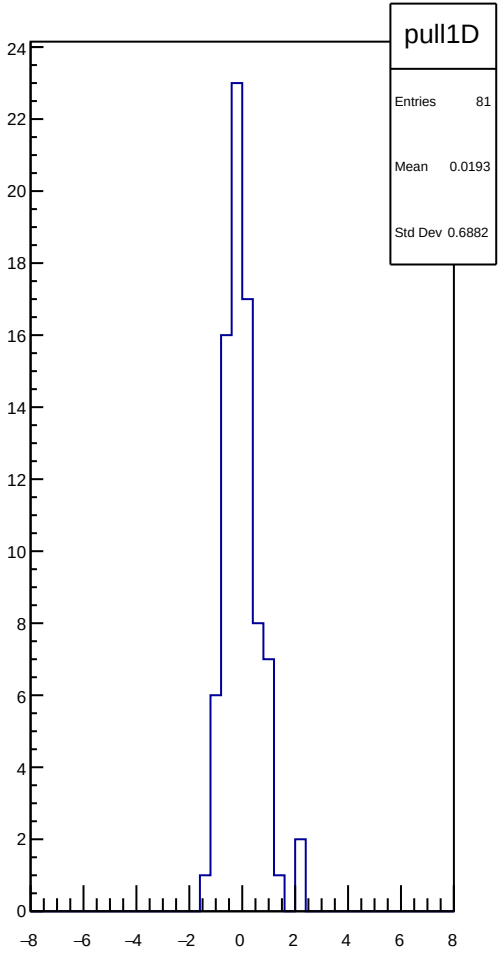

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 38.43 / 80
p0 −46.31 ± 1.586
pull
Entries 81
Mean −141.3
Std Dev 174.1
pull1D
Entries 81
Mean 0.05962
Std Dev 0.6862

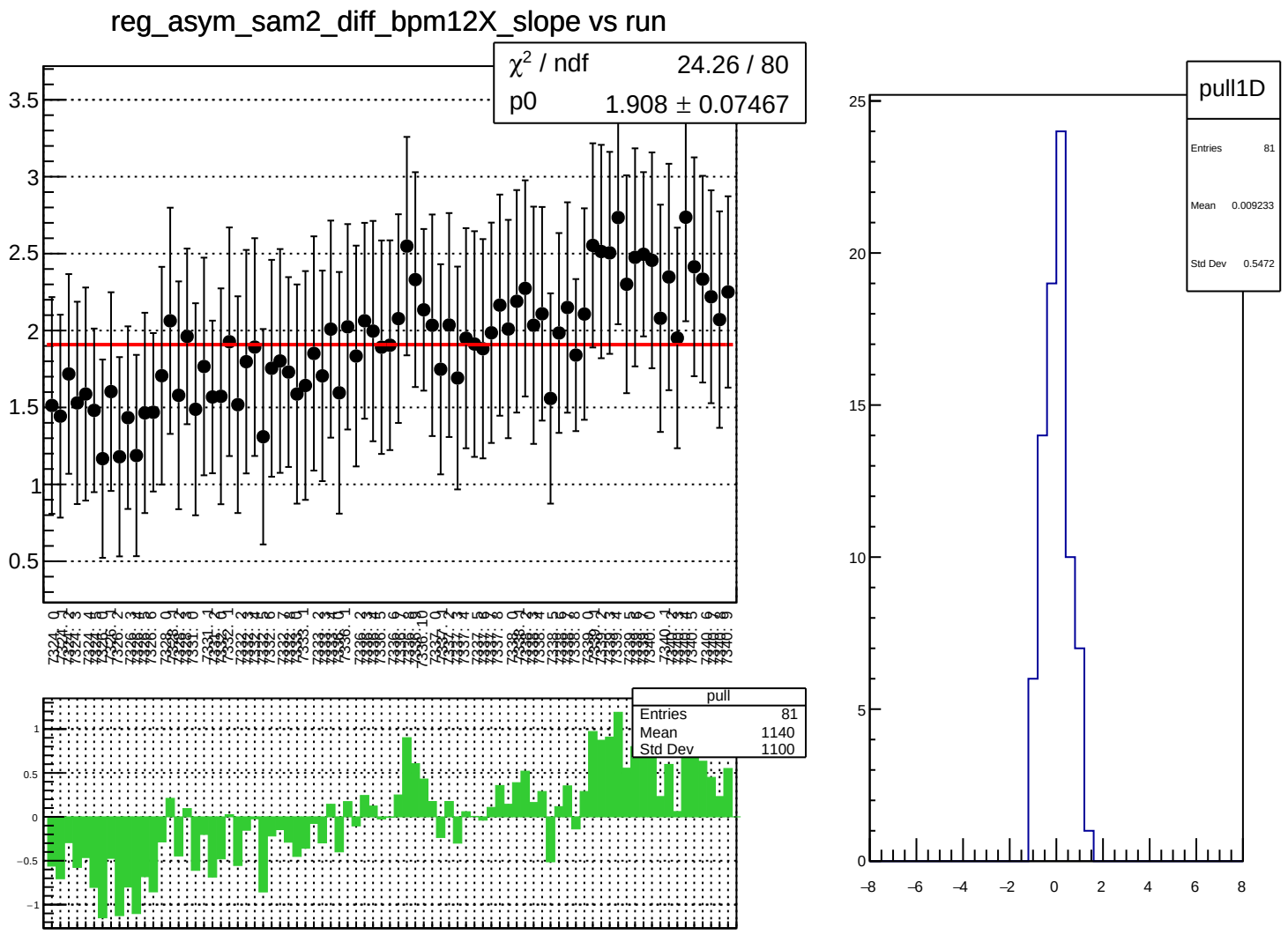

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 28.31 / 80
p0 −15.88 ± 1.433
pull
Entries 81
Mean 229.8
Std Dev 177.3
pull1D
Entries 81
Mean −0.02933
Std Dev 0.5905

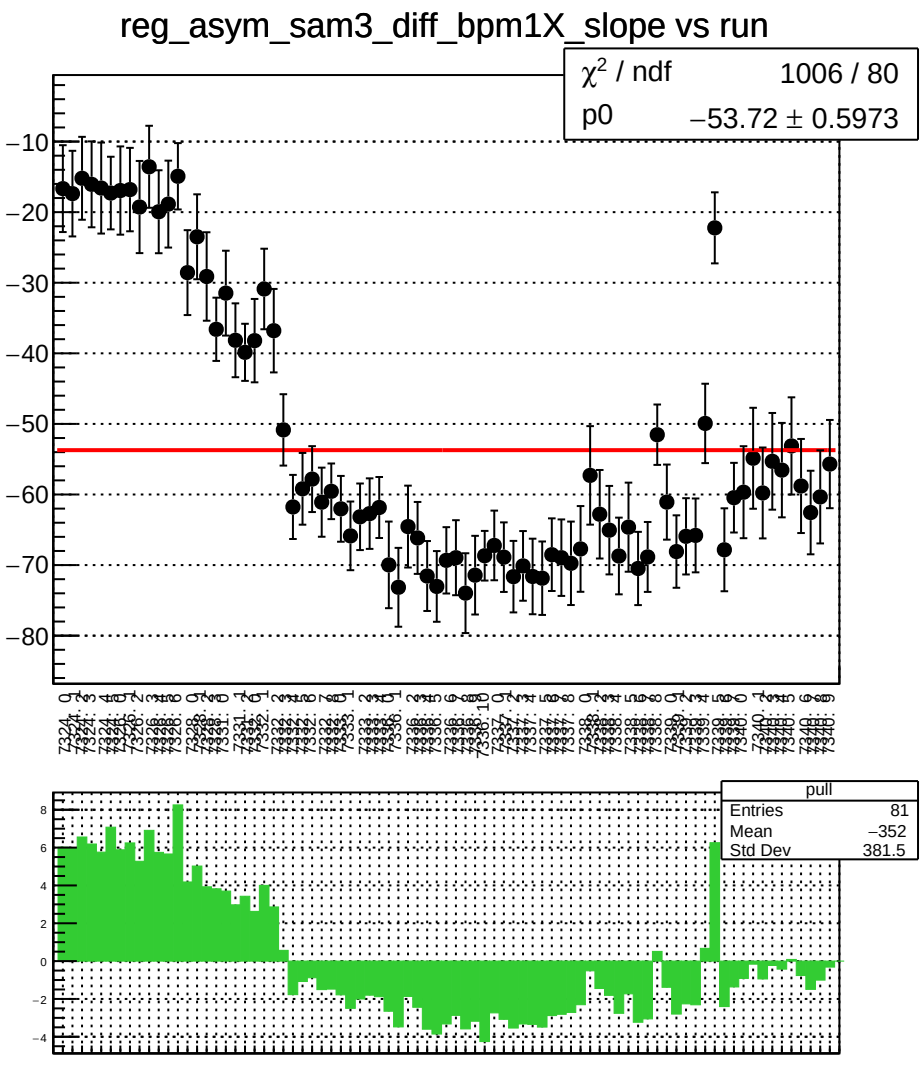

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 28.3 / 80
p0 −119.3 ± 1.574
pull
Entries 81
Mean −63.46
Std Dev 89.58

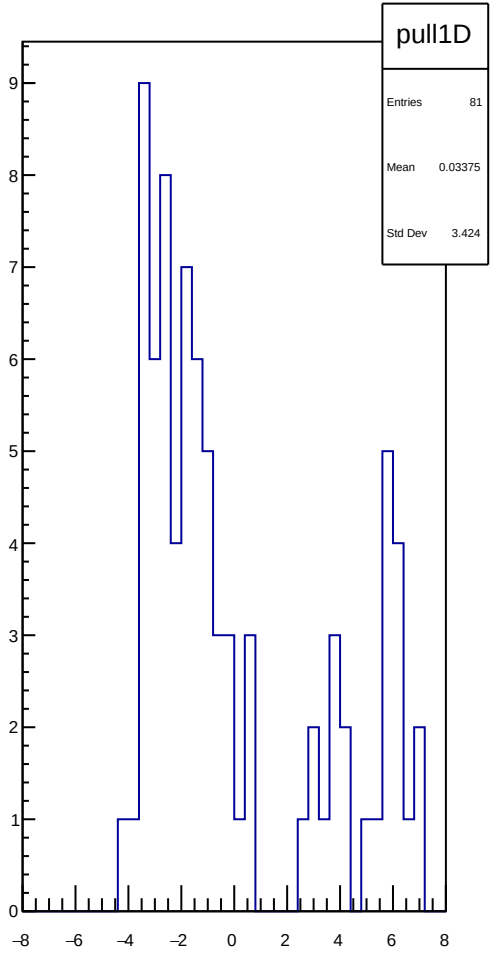

pull1D
Entries 81
Mean −0.05598
Std Dev 0.5884

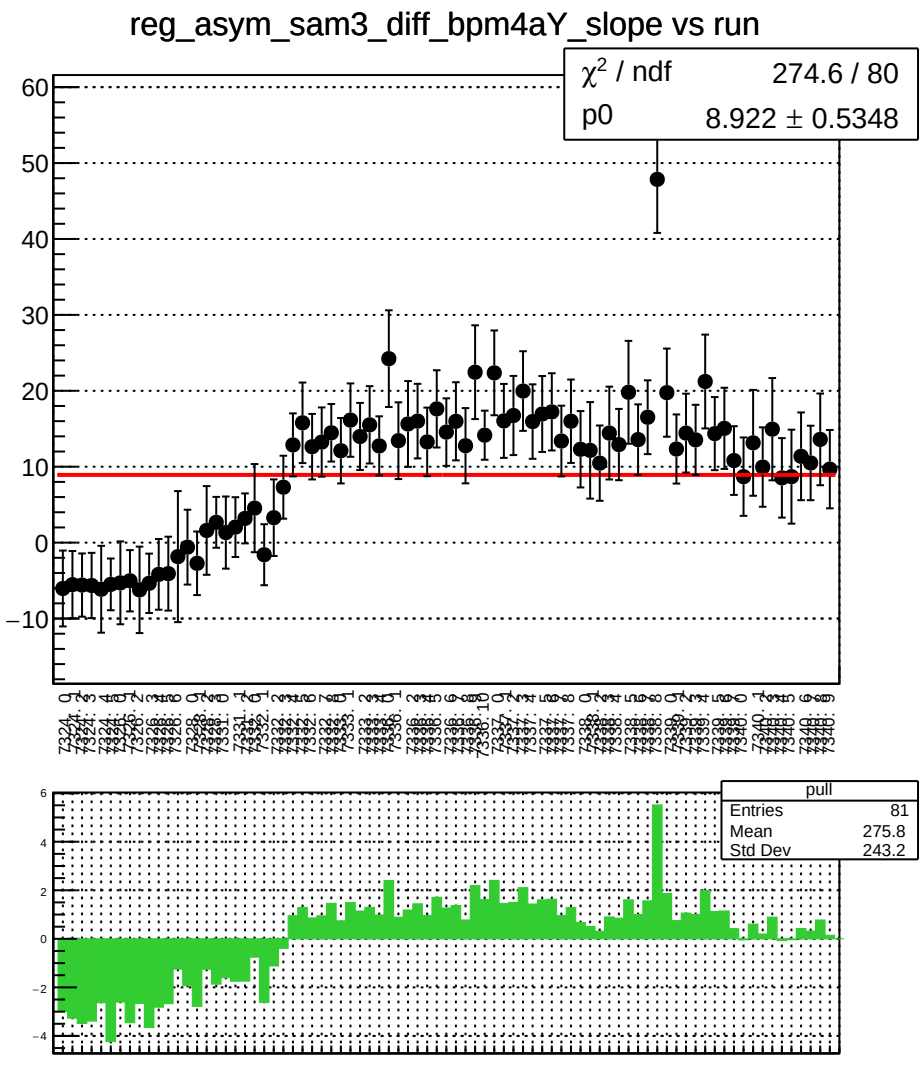

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 38.4 / 80
p0 −146.7 ± 1.512
pull
Entries 81
Mean 438.9
Std Dev 389.4

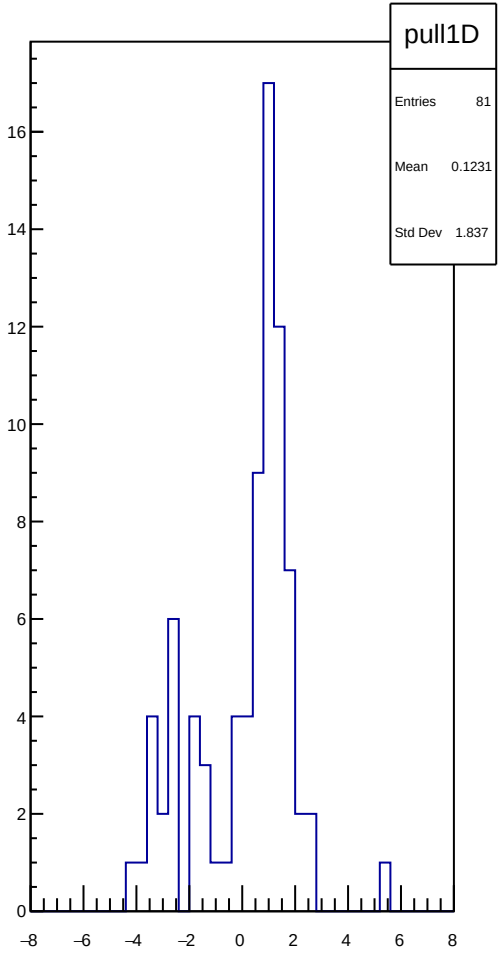

pull1D
Entries 81
Mean 0.0193
Std Dev 0.6882

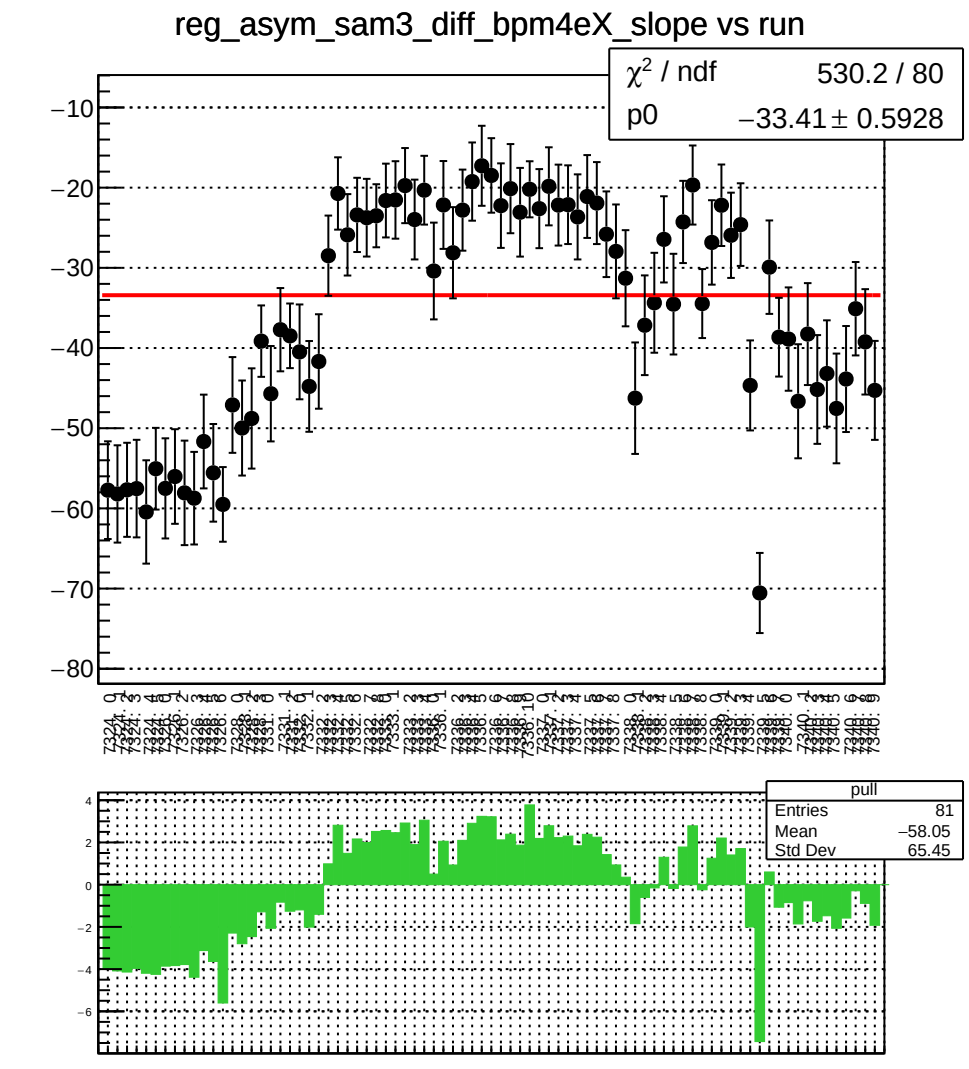

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 24.26 / 80
p0 1.908 ± 0.07467
pull
Entries 81
Mean 1140
Std Dev 1100
pull1D
Entries 81
Mean 0.009233
Std Dev 0.5472

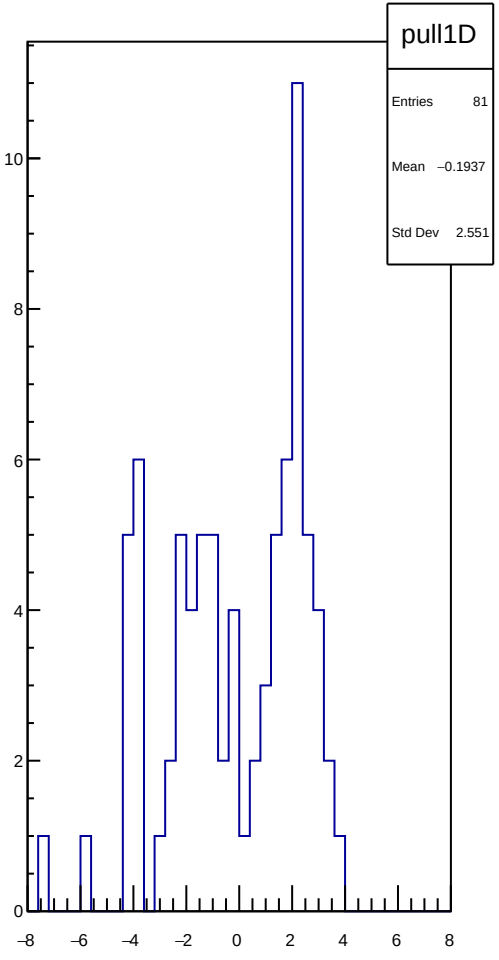

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 1006 / 80
p0 −53.72 ± 0.5973
pull
Entries 81
Mean −352
Std Dev 381.5

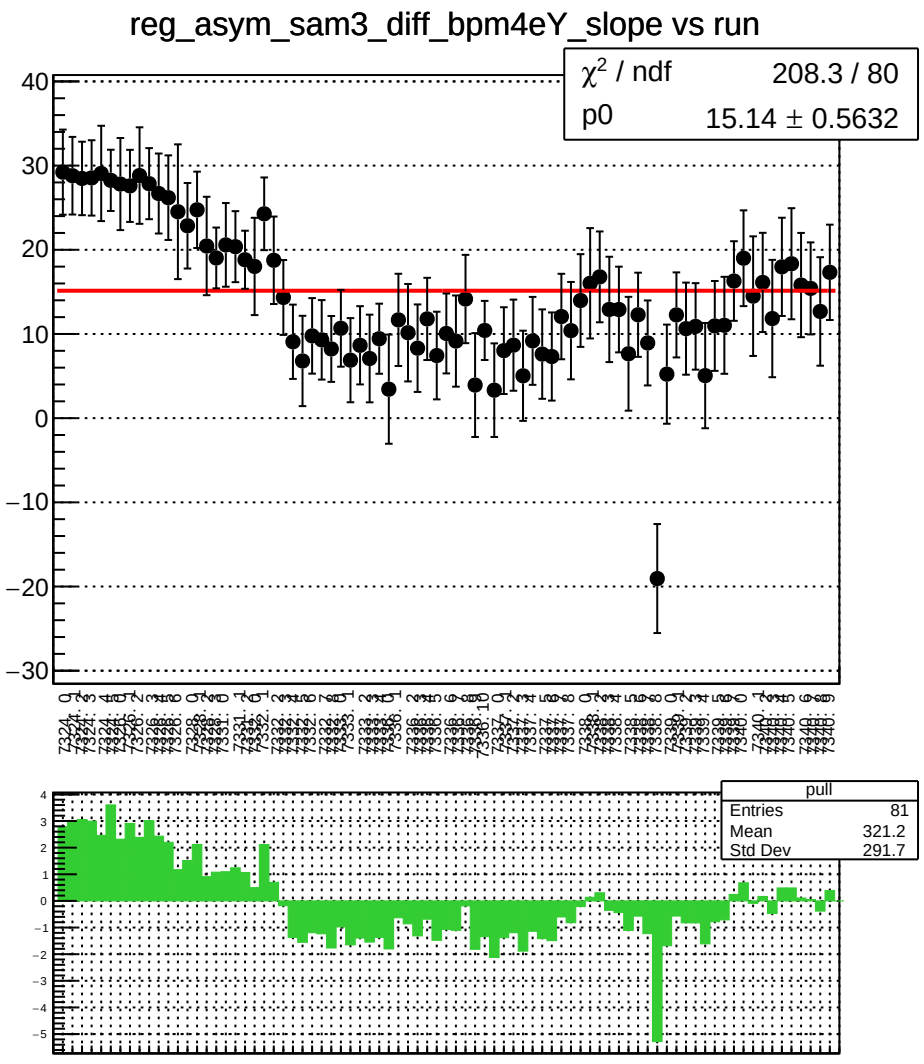

pull1D
Entries 81
Mean 0.03375
Std Dev 3.424

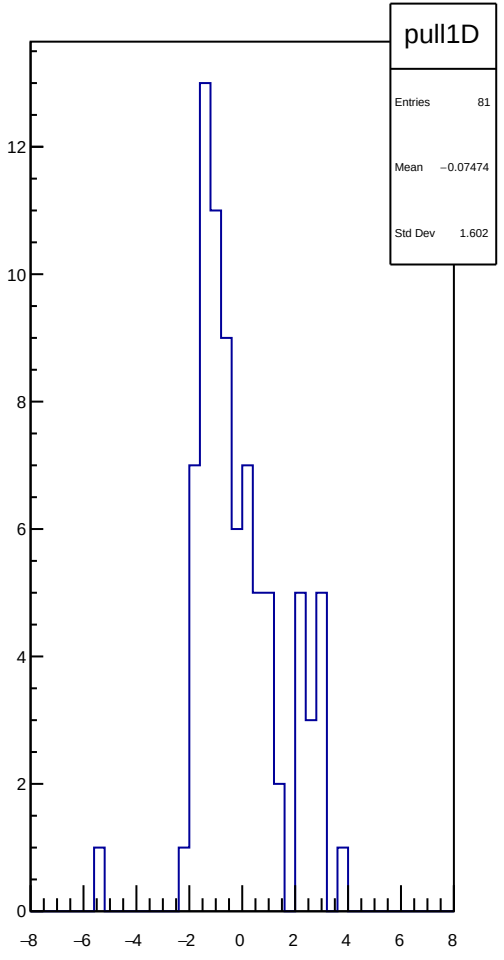

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 274.6 / 80
p0 8.922 ± 0.5348
pull
Entries 81
Mean 275.8
Std Dev 243.2

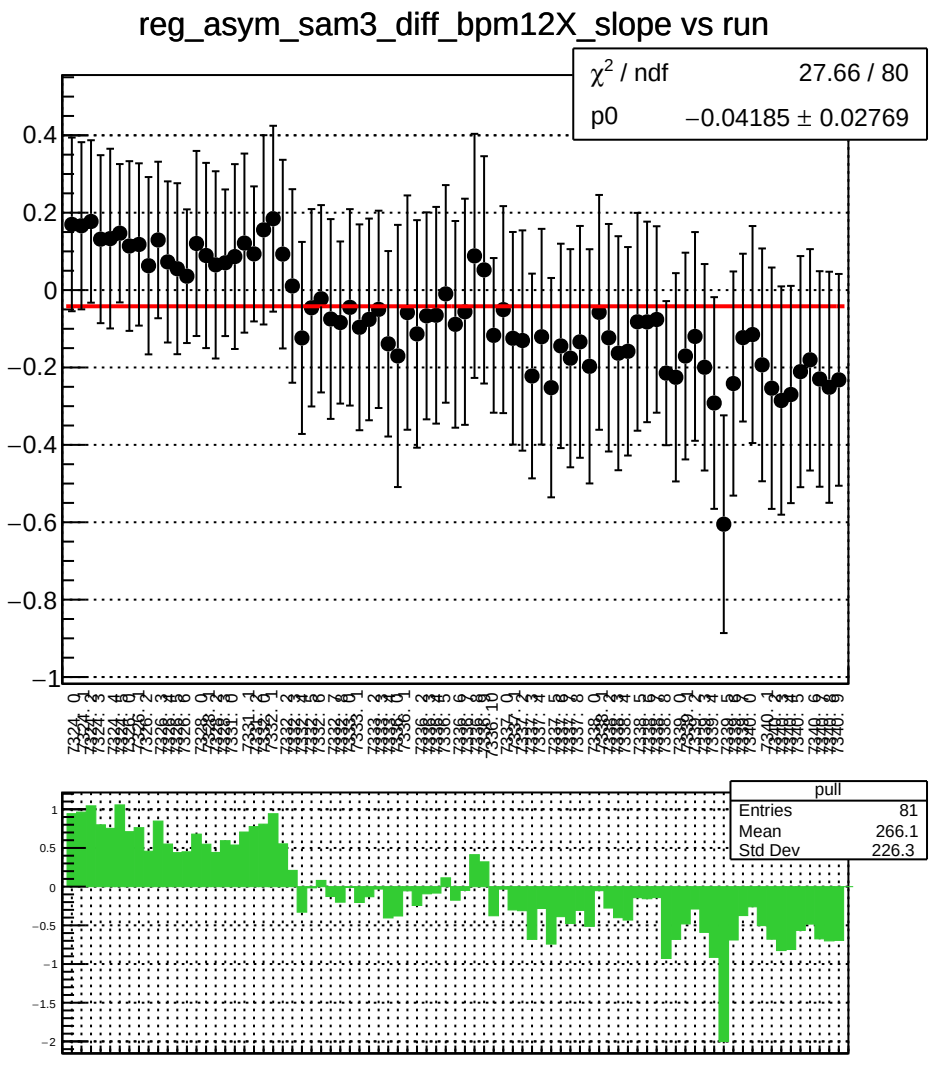

pull1D
Entries 81
Mean 0.1231
Std Dev 1.837

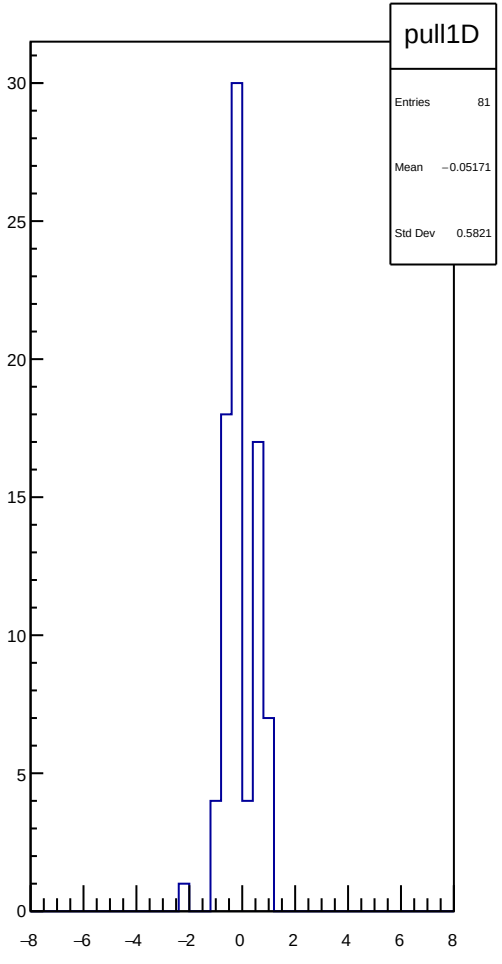

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 530.2 / 80
p0 −33.41 ± 0.5928
pull
Entries 81
Mean −58.05
Std Dev 65.45

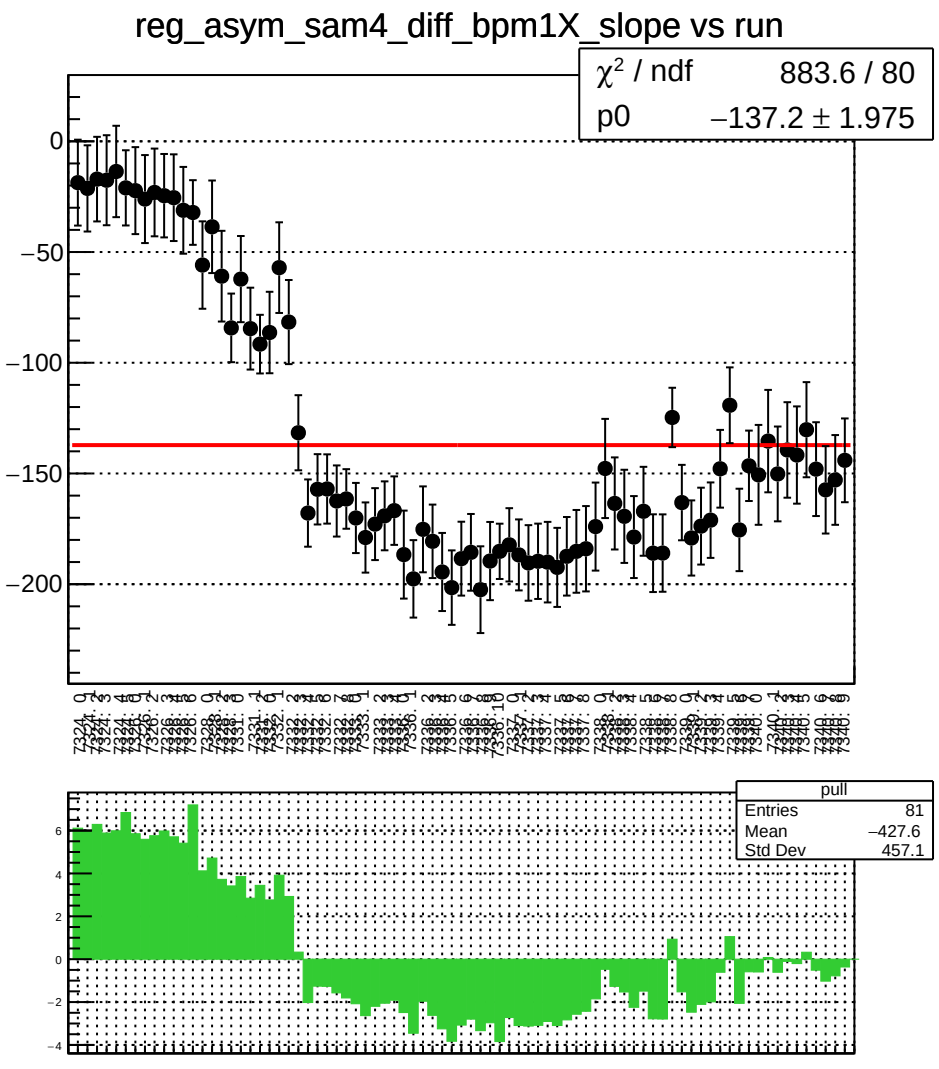

pull1D
Entries 81
Mean −0.1937
Std Dev 2.551

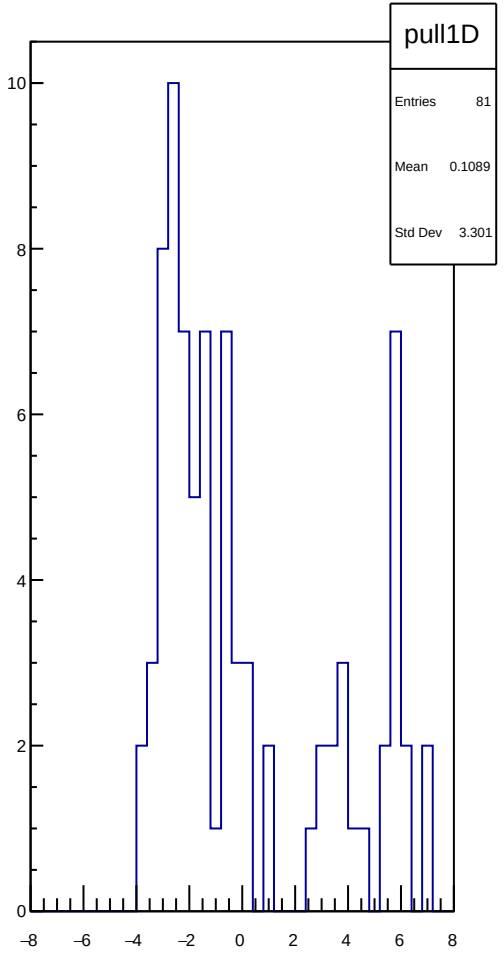

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 208.3 / 80
p0 15.14 ± 0.5632
pull
Entries 81
Mean 321.2
Std Dev 291.7

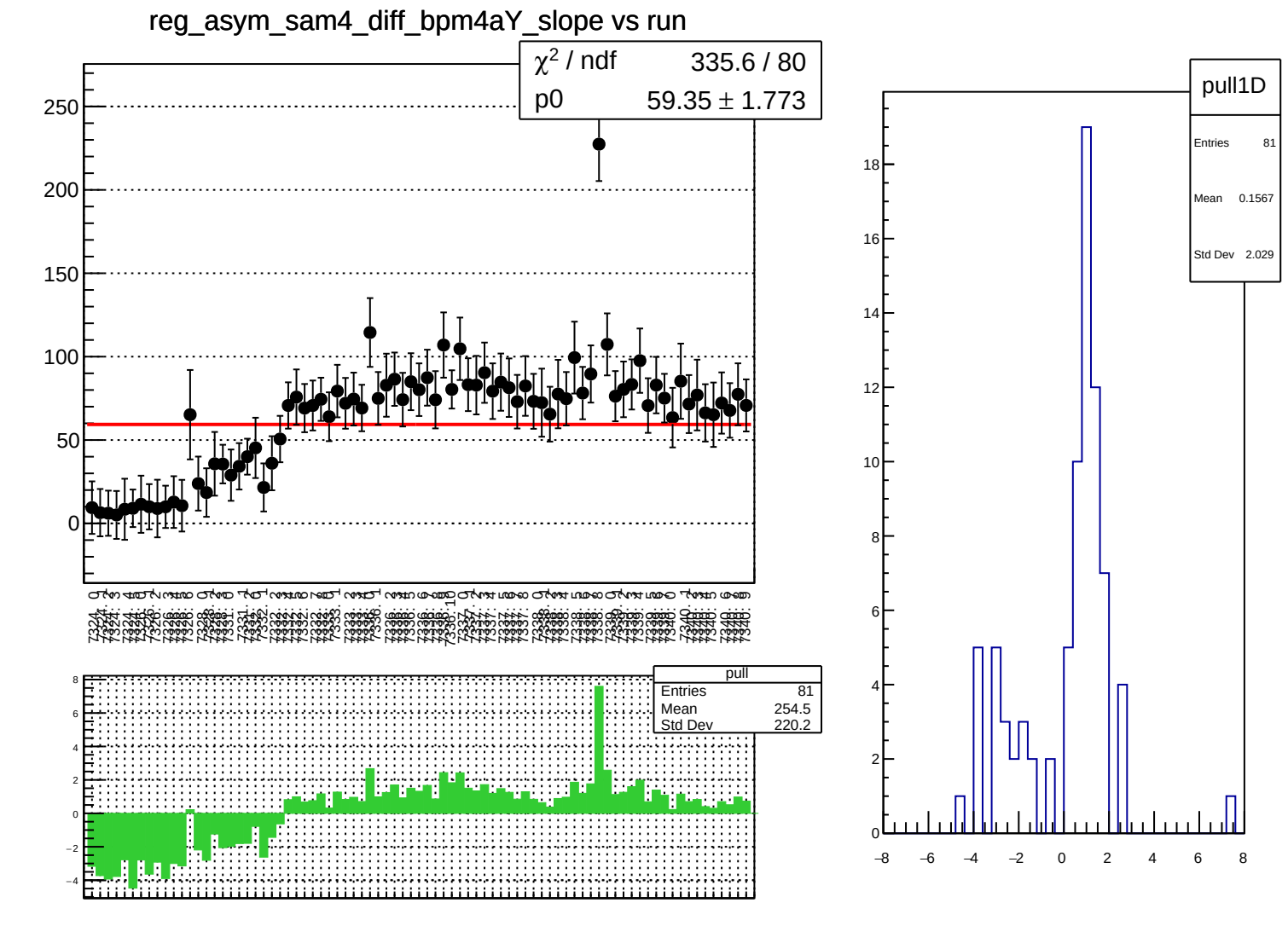

pull1D
Entries 81
Mean −0.07474
Std Dev 1.602

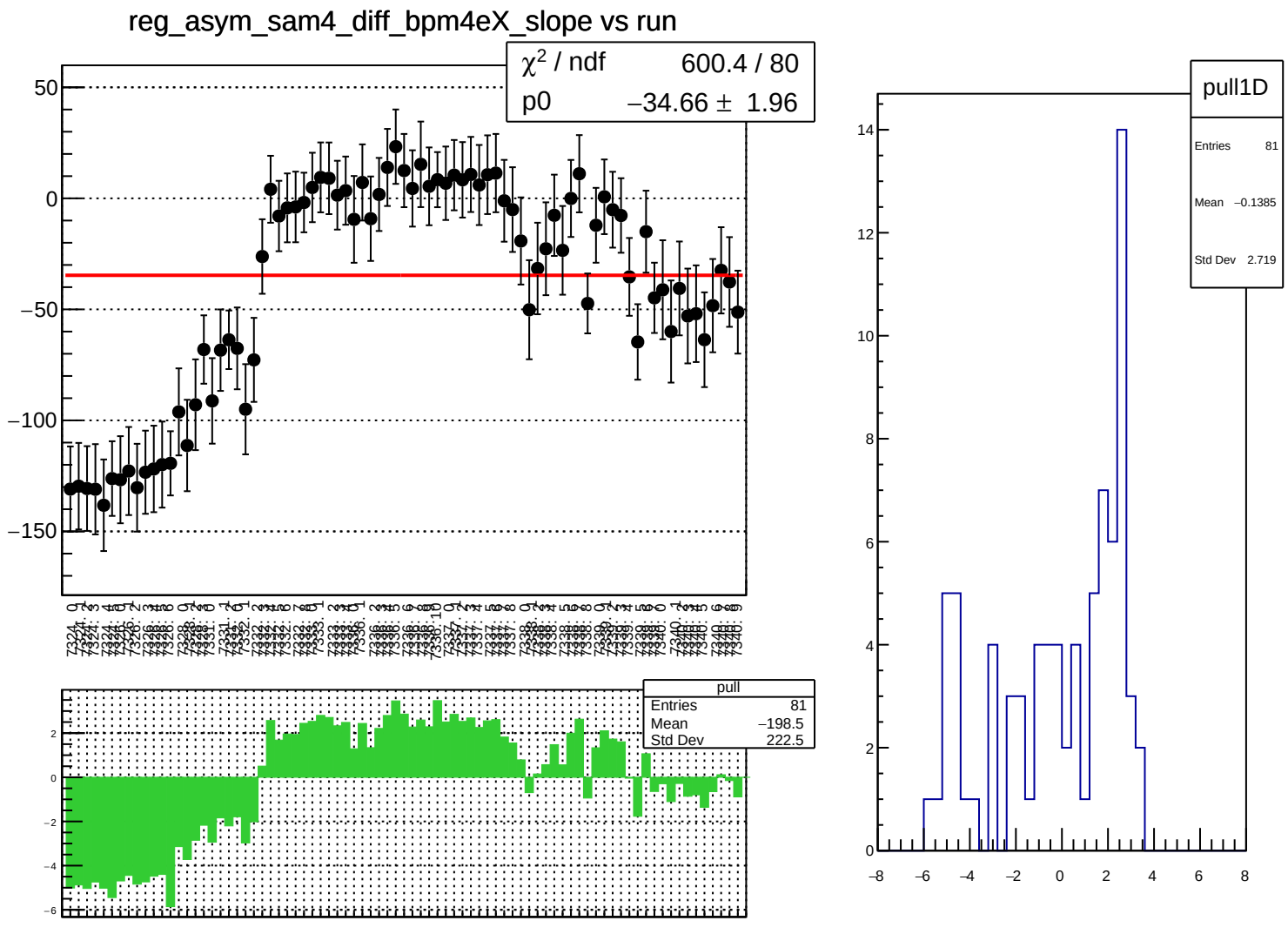

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 27.66 / 80
p0 −0.04185 ± 0.02769
pull
Entries 81
Mean 266.1
Std Dev 226.3

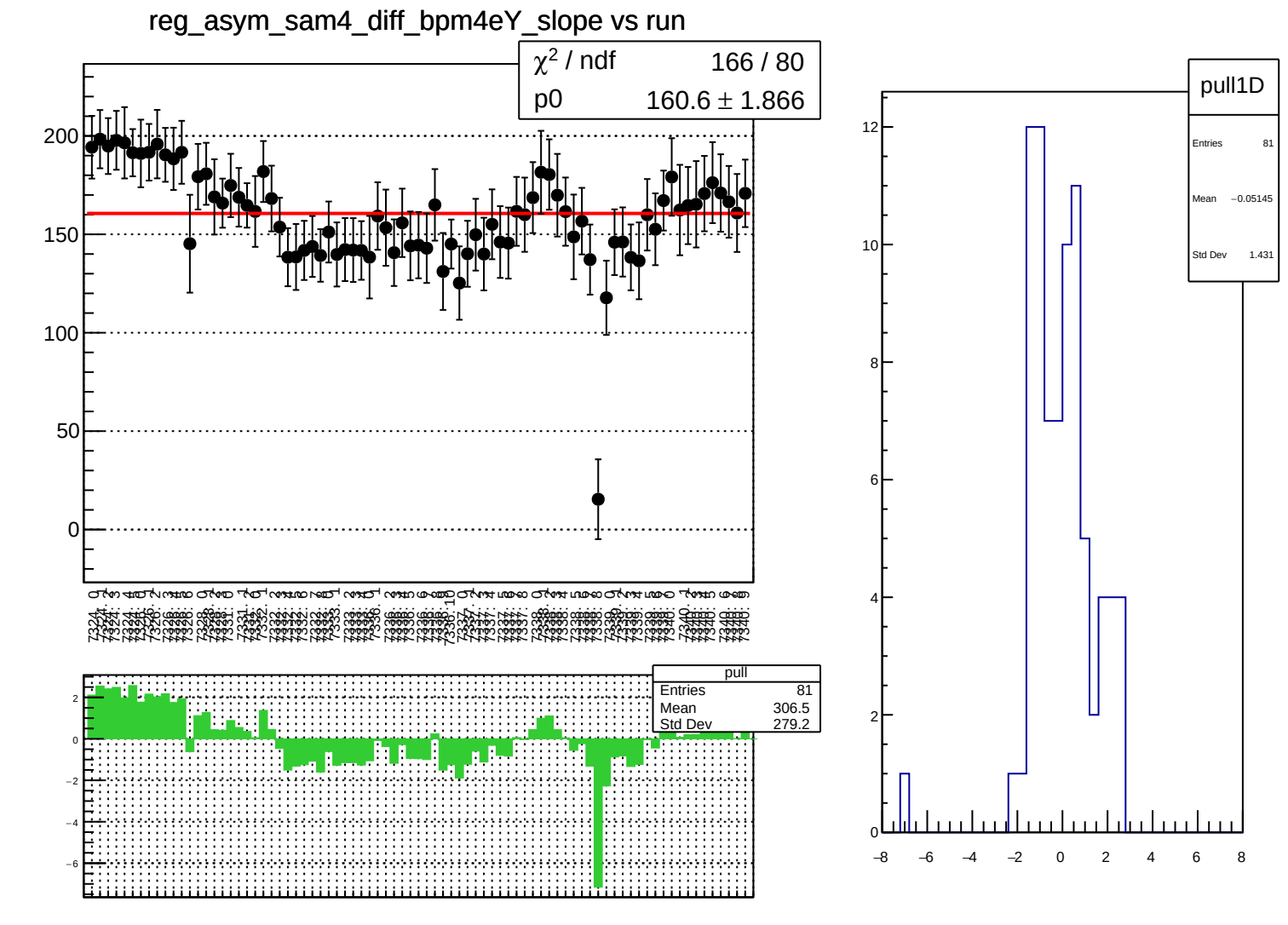

pull1D
Entries 81
Mean −0.05171
Std Dev 0.5821

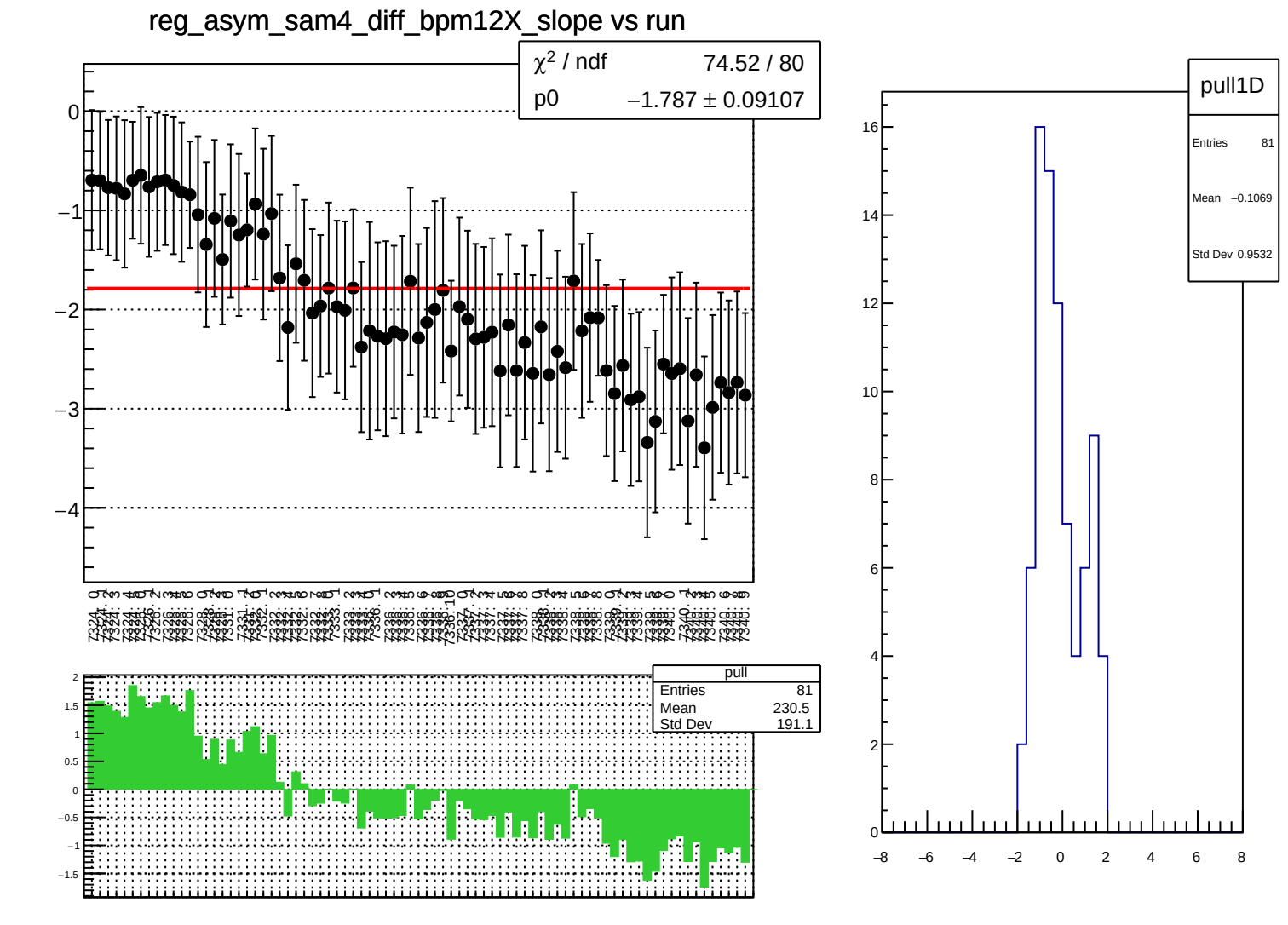

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 883.6 / 80
p0 −137.2 ± 1.975
pull
Entries 81
Mean −427.6
Std Dev 457.1

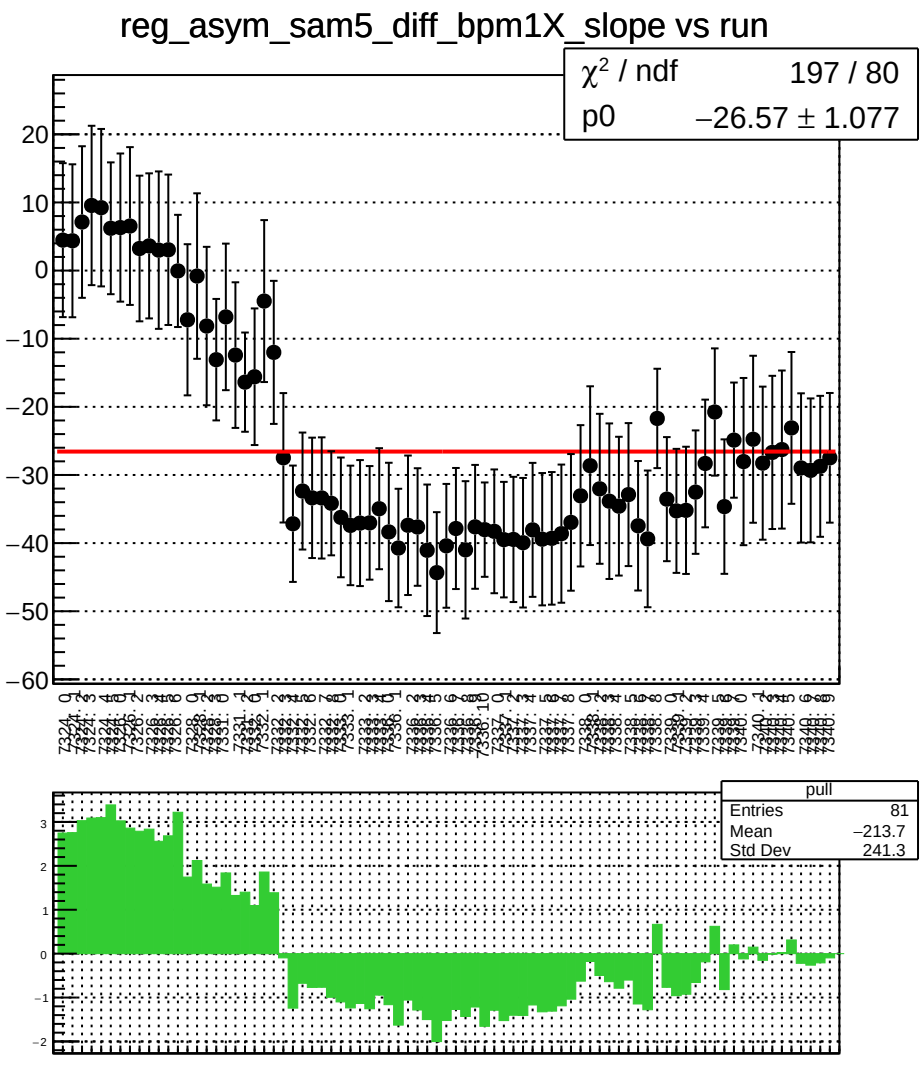

pull1D
Entries 81
Mean 0.1089
Std Dev 3.301

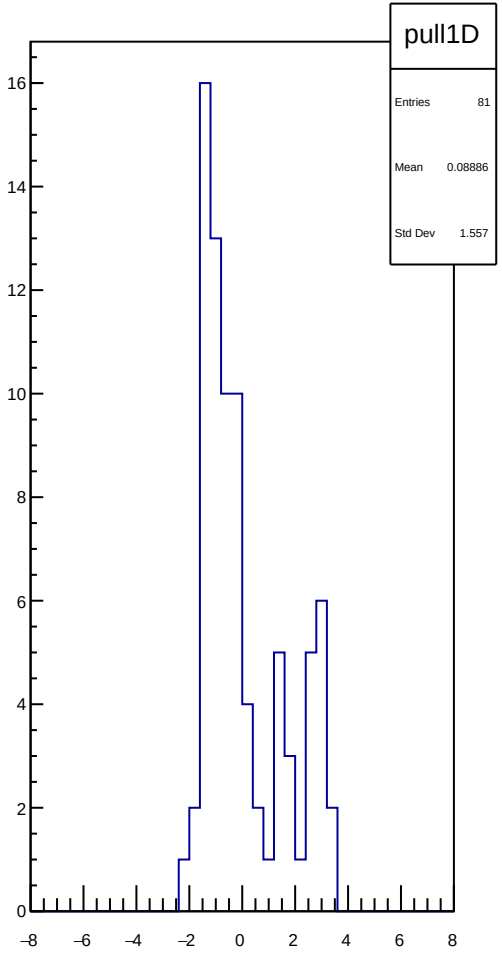

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 335.6 / 80
p0 59.35 ± 1.773
pull
Entries 81
Mean 254.5
Std Dev 220.2
pull1D
Entries 81
Mean 0.1567
Std Dev 2.029

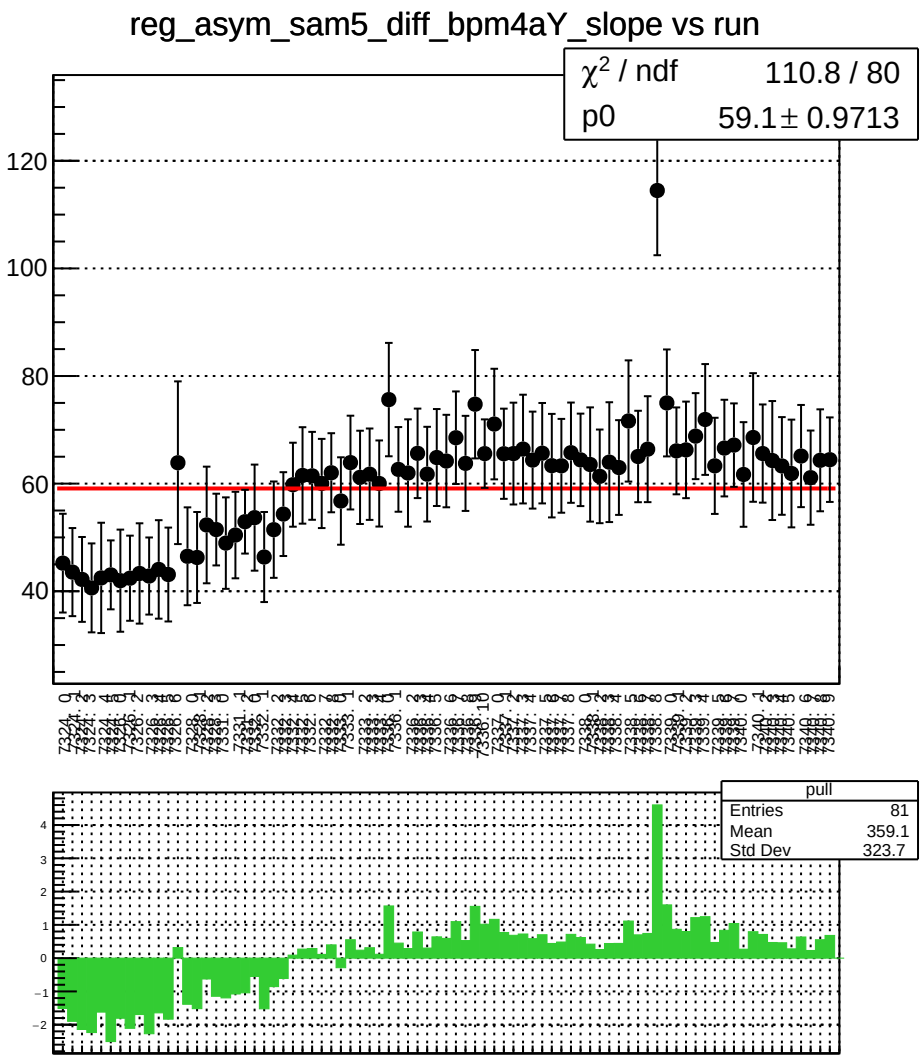

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 600.4 / 80
p0 −34.66 ± 1.96
pull
Entries 81
Mean −198.5
Std Dev 222.5
pull1D
Entries 81
Mean −0.1385
Std Dev 2.719

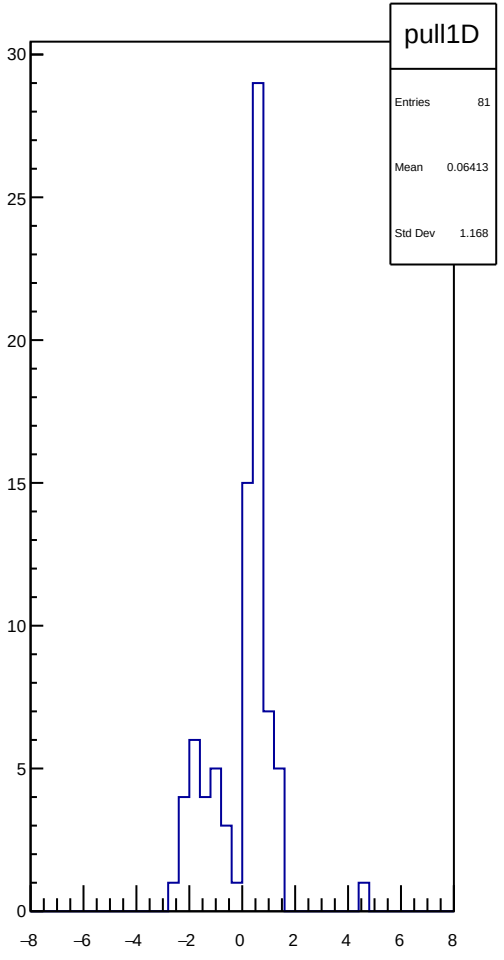

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 166 / 80
p0 160.6 ± 1.866
200
150
100
50
0
pull
Entries 81
Mean 306.5
Std Dev 279.2
2
0
−2
−4
−6
pull1D
Entries 81
Mean −0.05145
Std Dev 1.431
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

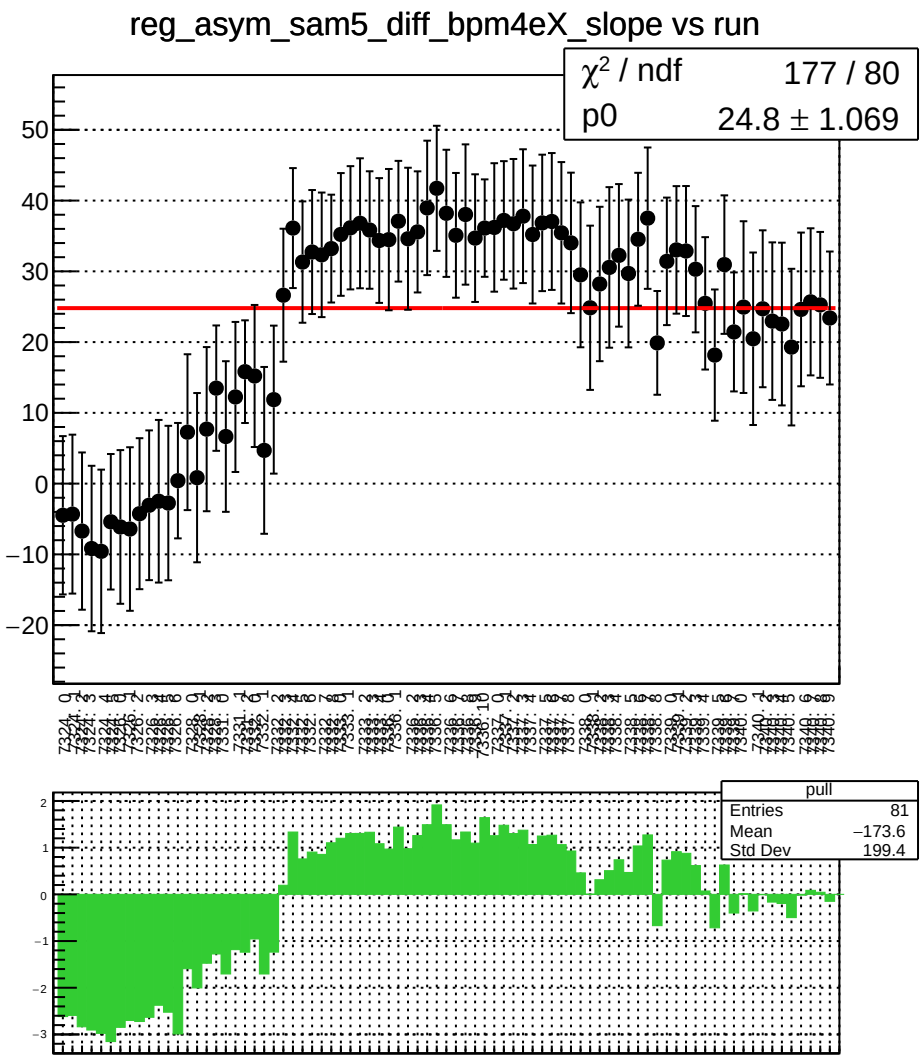

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 74.52 / 80
p0 −1.787 ± 0.09107
pull
Entries 81
Mean 230.5
Std Dev 191.1
pull1D
Entries 81
Mean −0.1069
Std Dev 0.9532

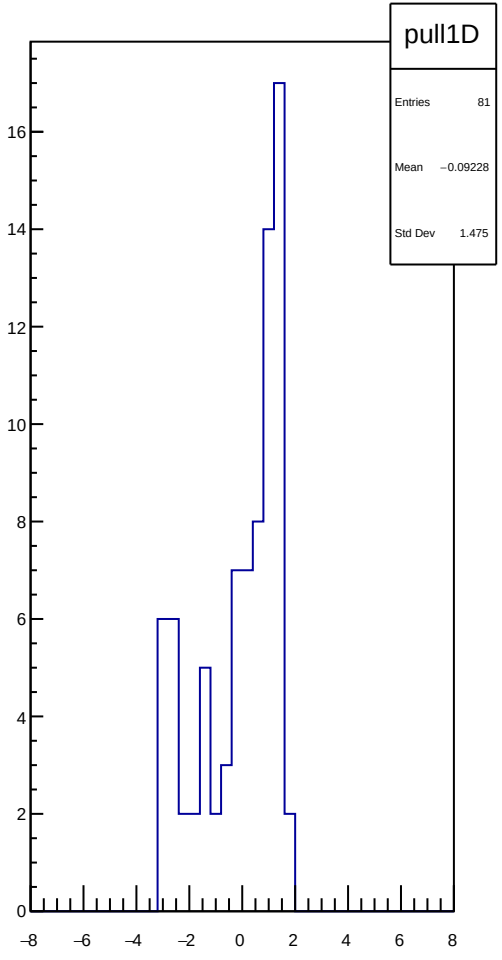

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 197 / 80
p0 −26.57 ± 1.077
pull
Entries 81
Mean −213.7
Std Dev 241.3

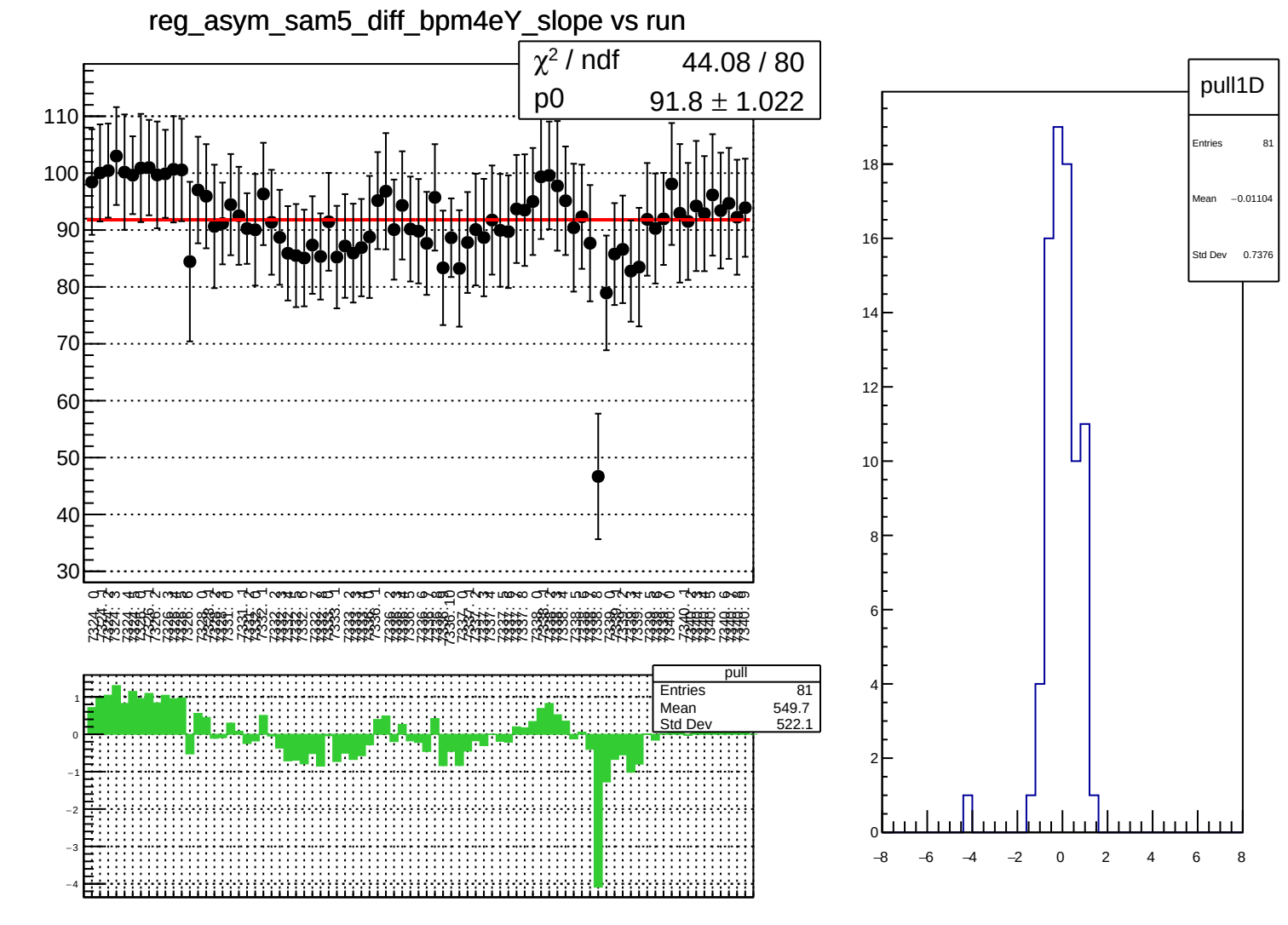

pull1D
Entries 81
Mean 0.08886
Std Dev 1.557

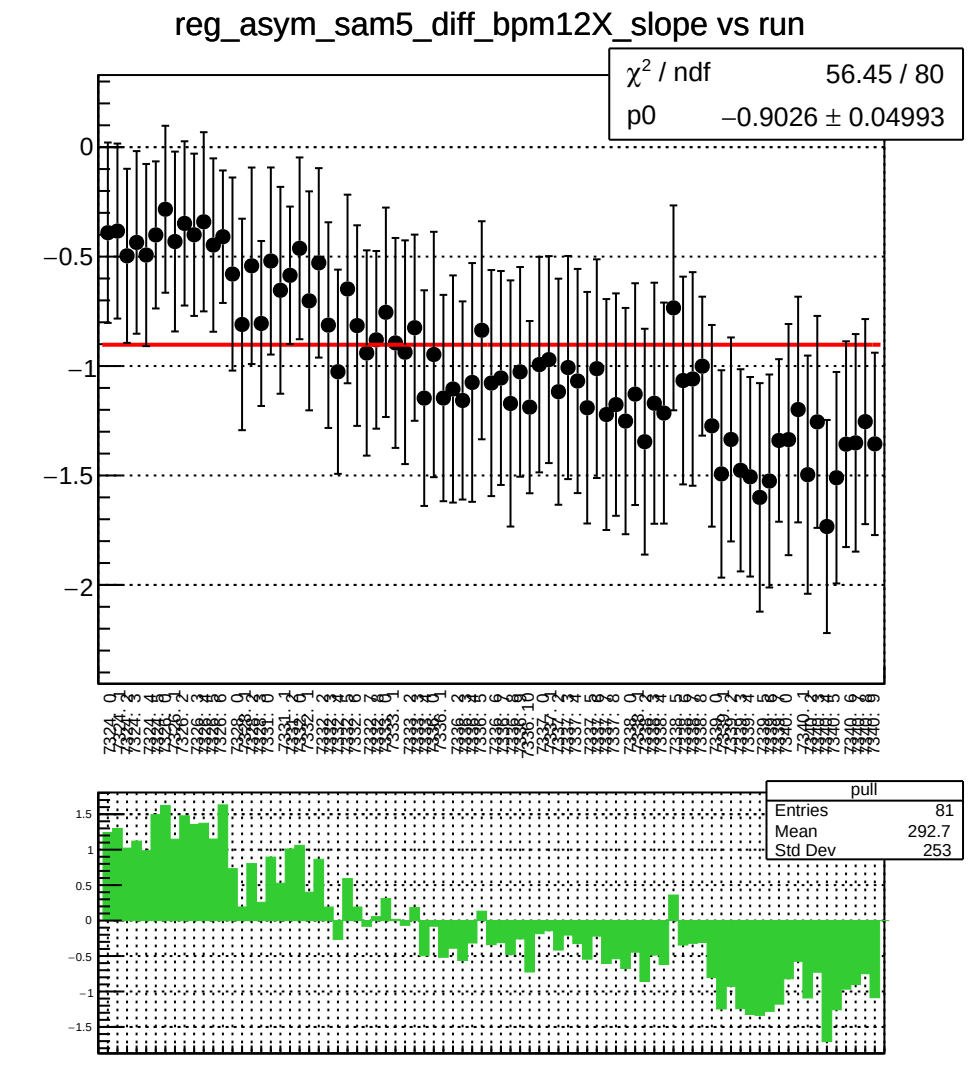

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 110.8 / 80
p0 59.1 ± 0.9713
120
100
80
60
40
pull
Entries 81
Mean 359.1
Std Dev 323.7
4
3
2
1
0
−1
−2

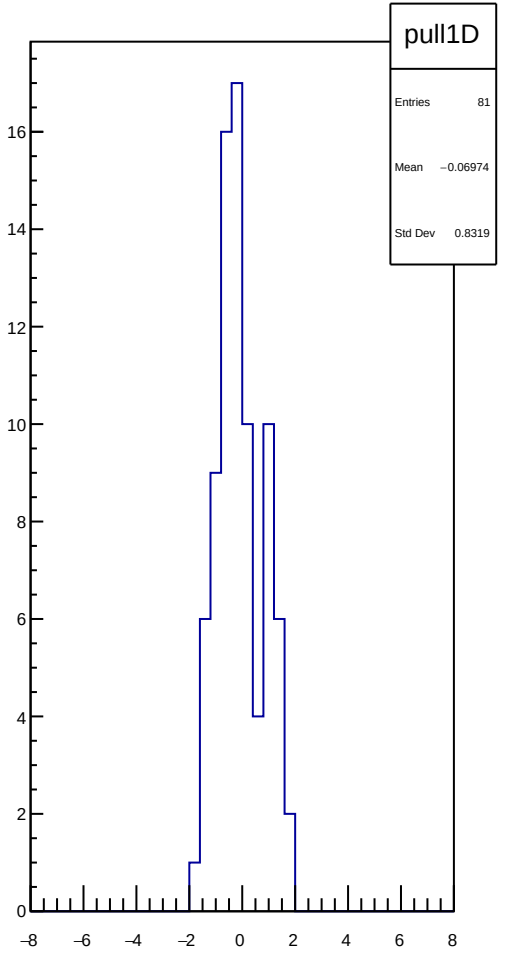

pull1D
Entries 81
Mean 0.06413
Std Dev 1.168
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

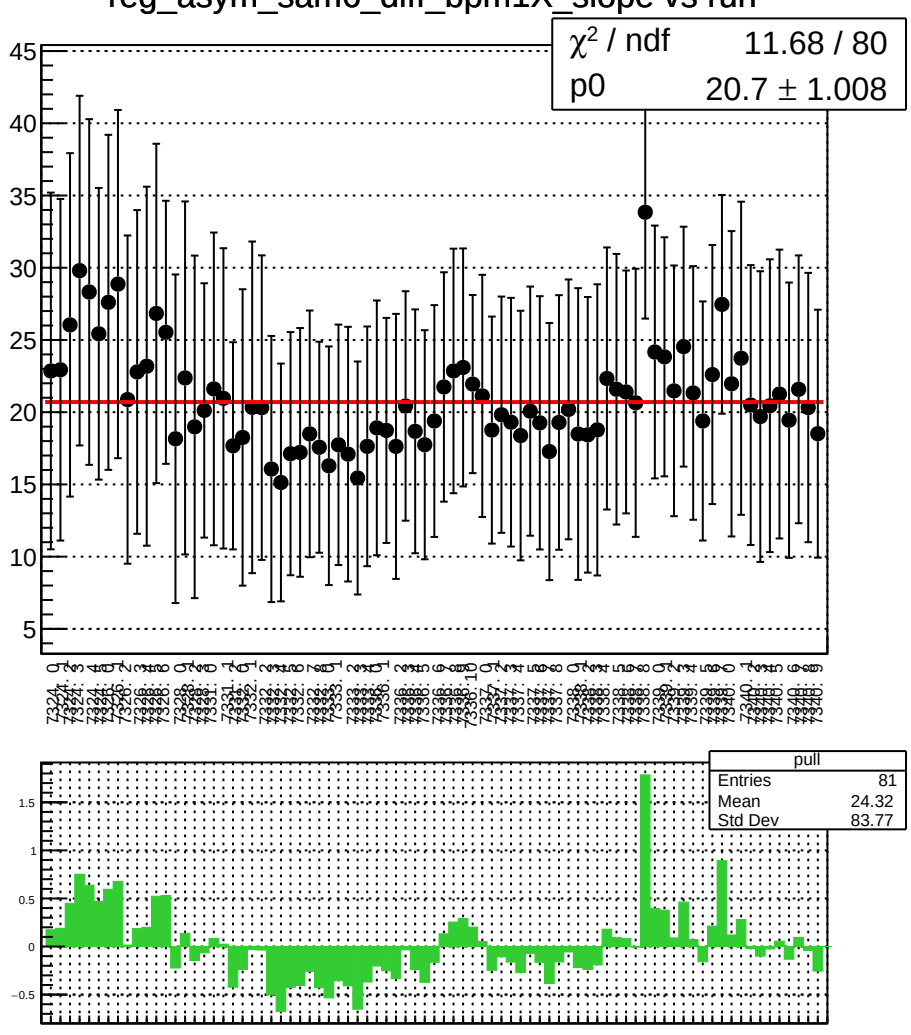

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 177 / 80
p0 24.8 ± 1.069
pull
Entries 81
Mean −173.6
Std Dev 199.4

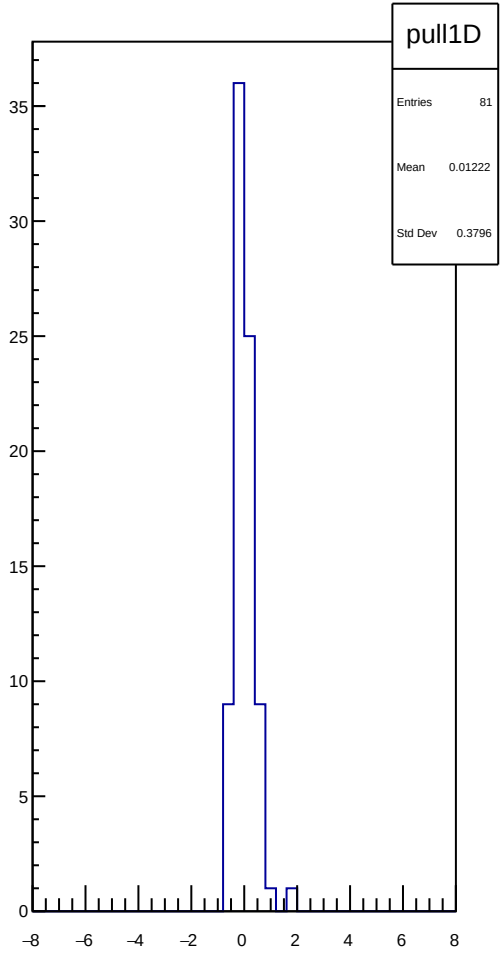

pull1D
Entries 81
Mean −0.09228
Std Dev 1.475

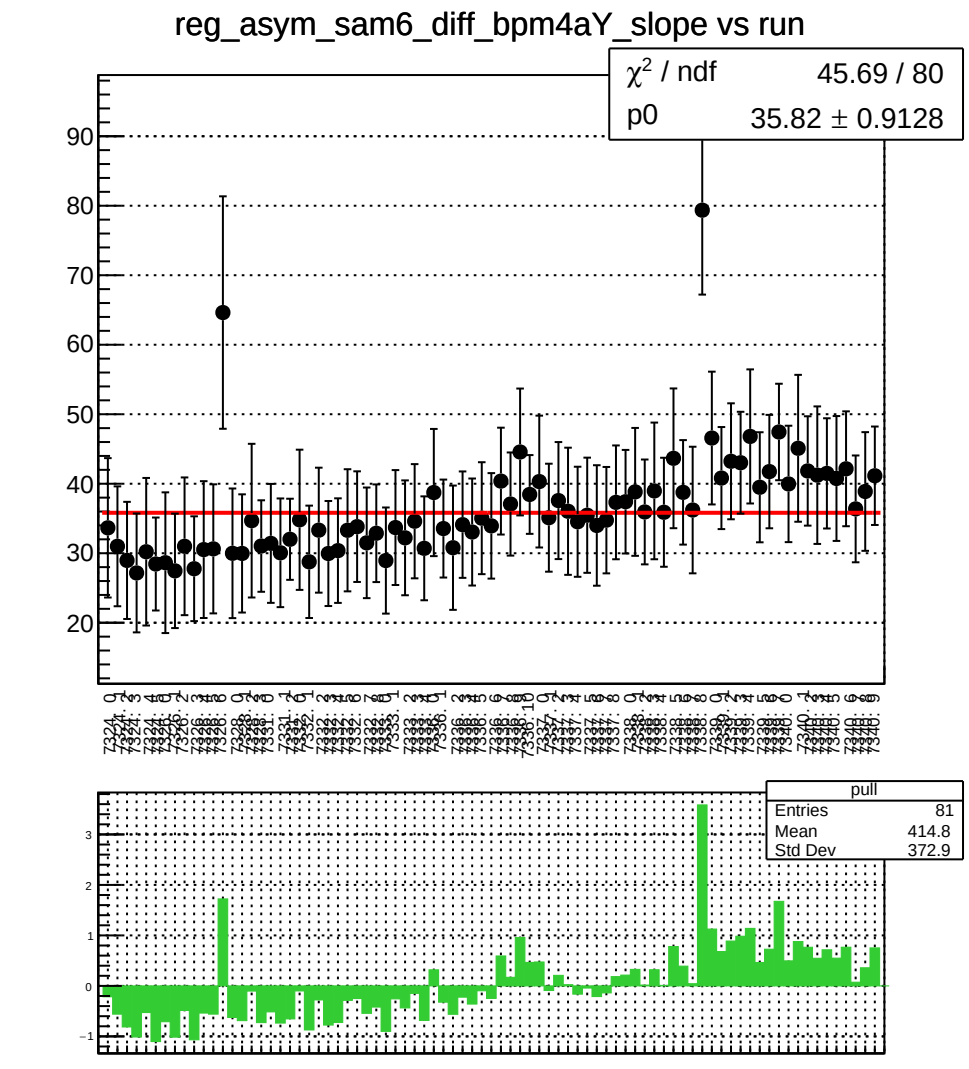

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 44.08 / 80
p0 91.8 ± 1.022
pull
Entries 81
Mean 549.7
Std Dev 522.1
pull1D
Entries 81
Mean −0.01104
Std Dev 0.7376

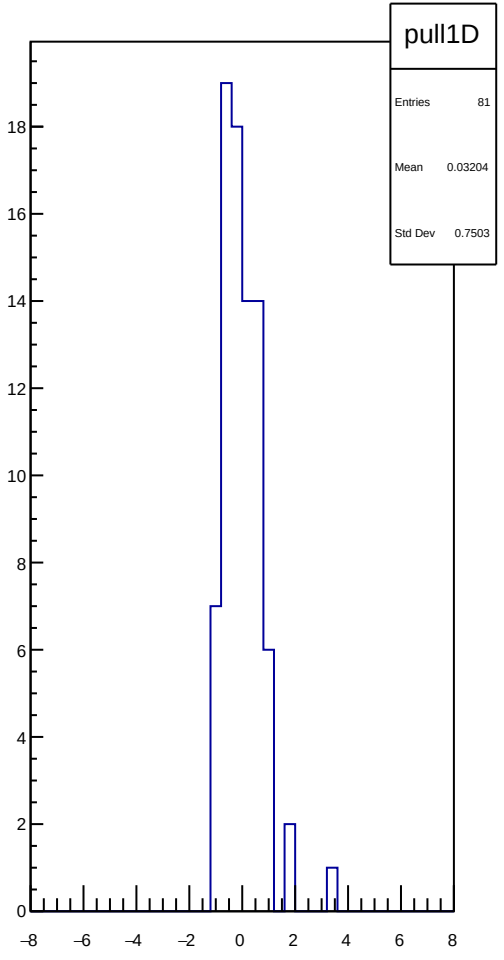

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 56.45 / 80
p0 −0.9026 ± 0.04993
pull
Entries 81
Mean 292.7
Std Dev 253

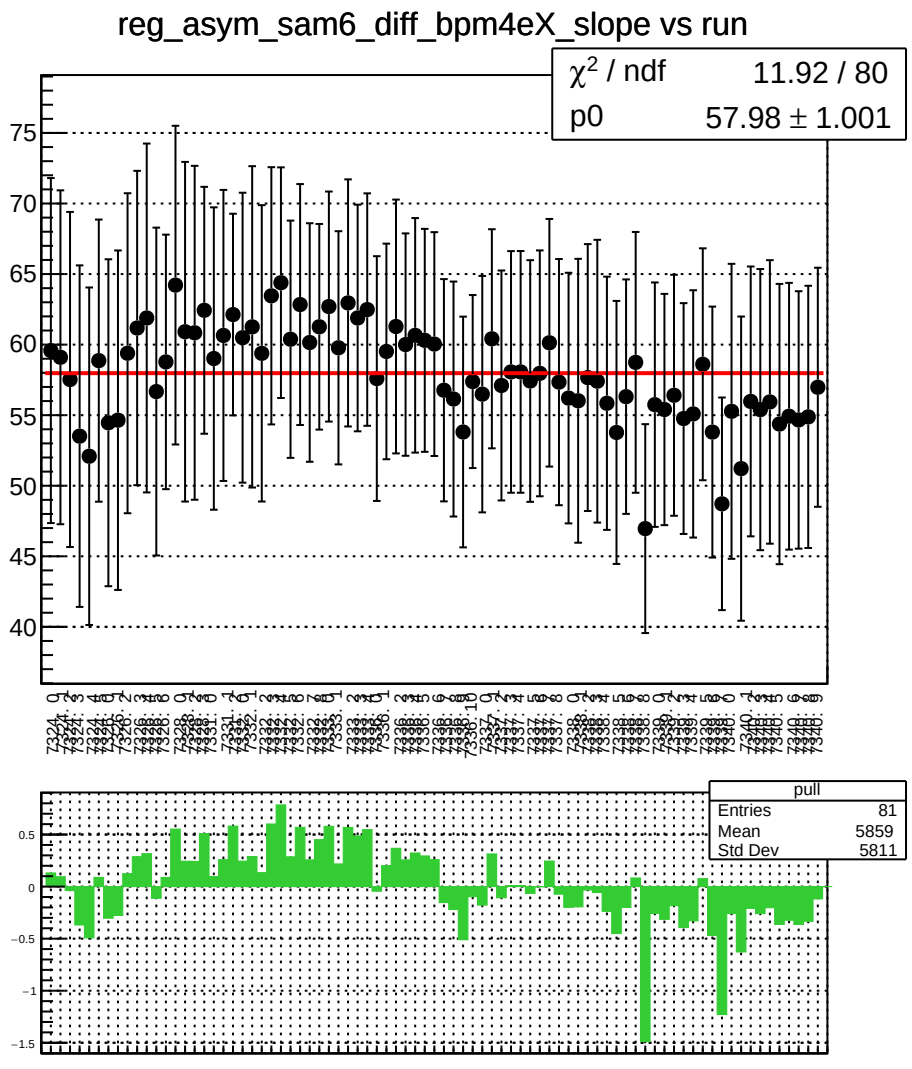

pull1D
Entries 81
Mean −0.06974
Std Dev 0.8319

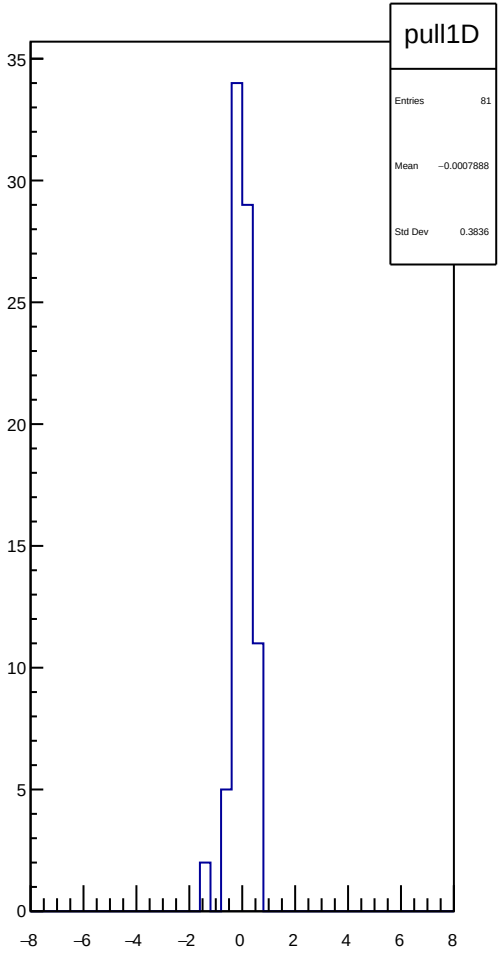

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 11.68 / 80
p0 20.7 ± 1.008
pull
Entries 81
Mean 24.32
Std Dev 83.77

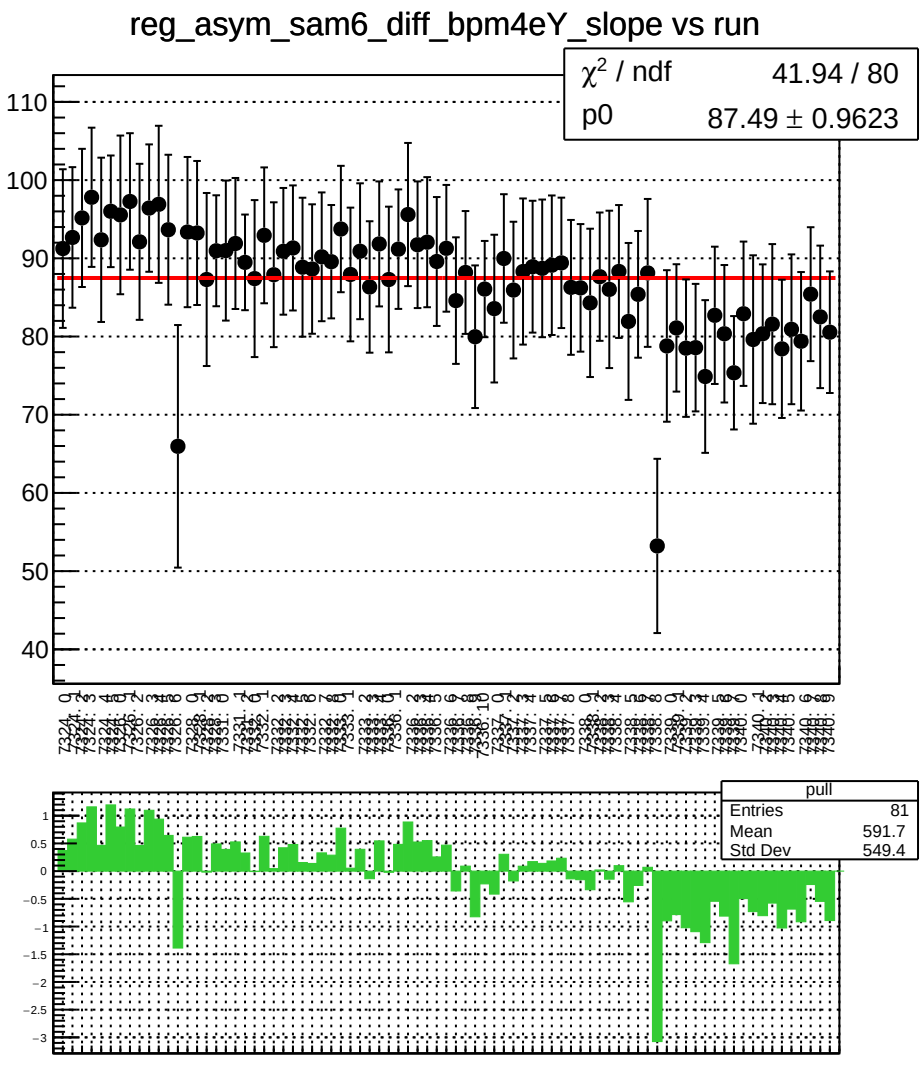

pull1D
Entries 81
Mean 0.01222
Std Dev 0.3796

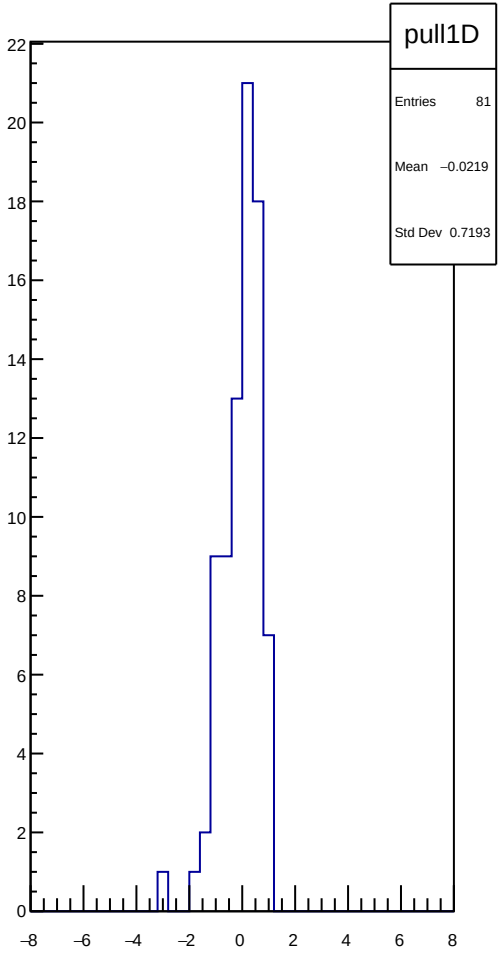

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 45.69 / 80
p0 35.82 ± 0.9128
pull
Entries 81
Mean 414.8
Std Dev 372.9

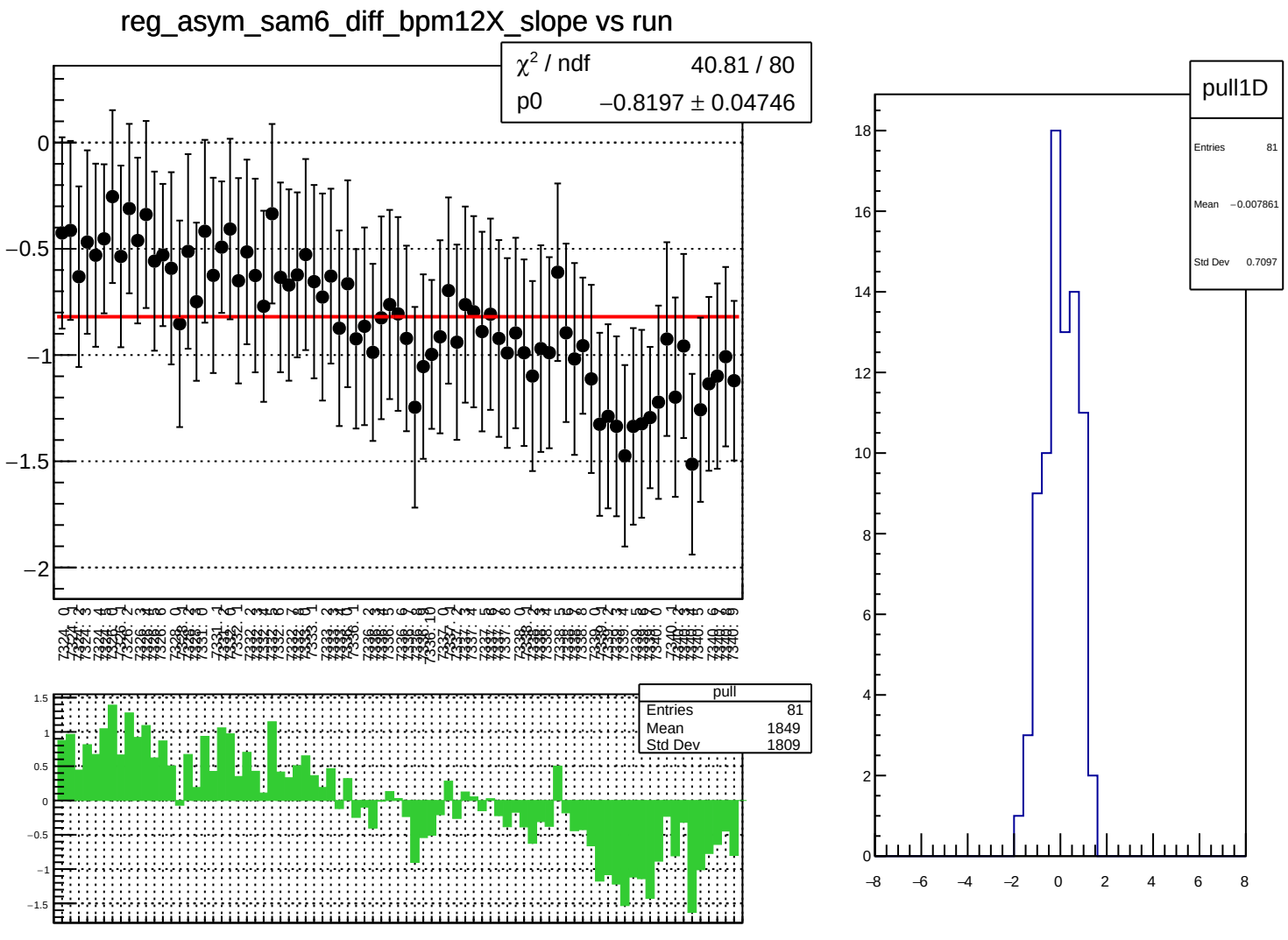

pull1D
Entries 81
Mean 0.03204
Std Dev 0.7503

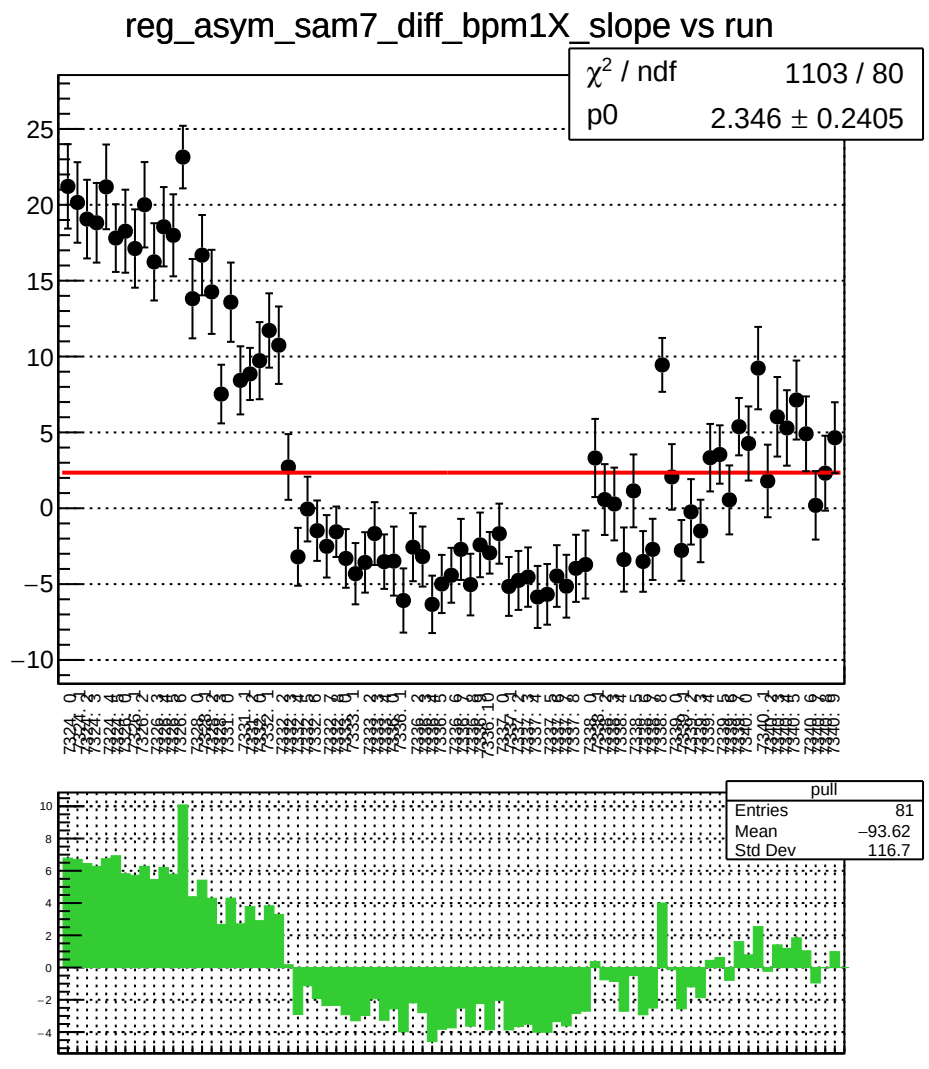

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 11.92 / 80
p0 57.98 ± 1.001
pull
Entries 81
Mean 5859
Std Dev 5811

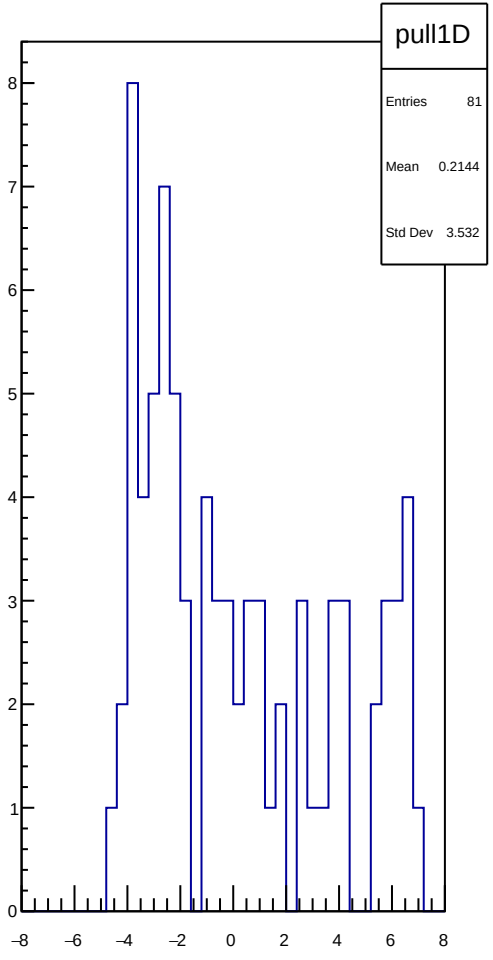

pull1D
Entries 81
Mean −0.0007888
Std Dev 0.3836

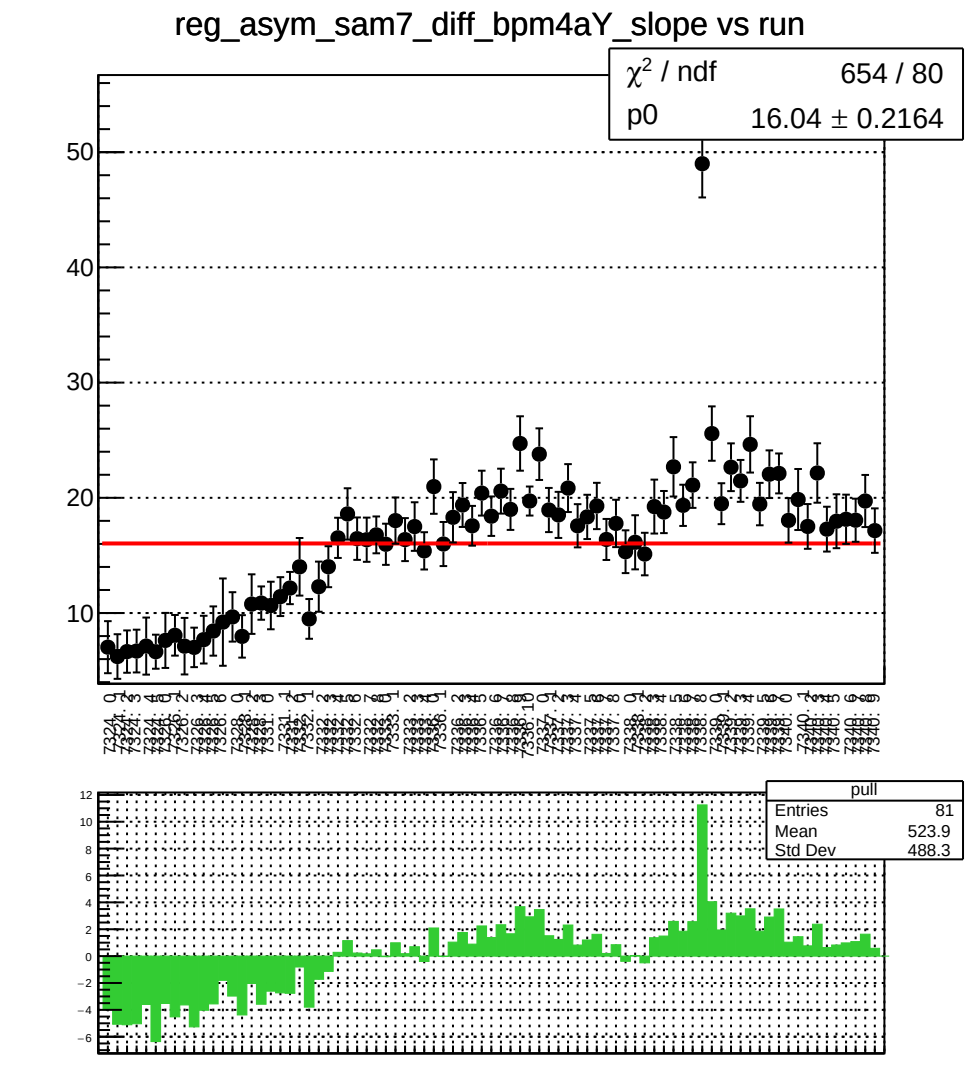

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 41.94 / 80
p0 87.49 ± 0.9623
pull
Entries 81
Mean 591.7
Std Dev 549.4

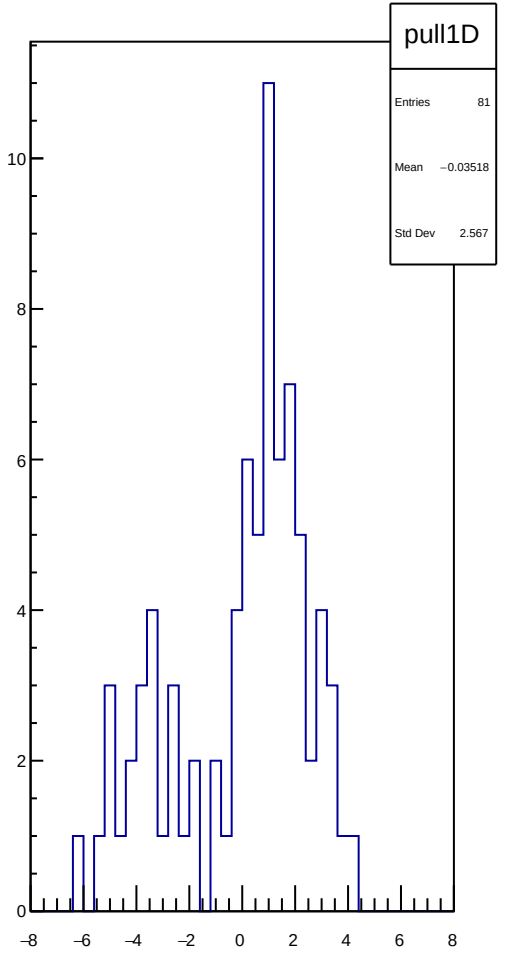

pull1D
Entries 81
Mean −0.0219
Std Dev 0.7193

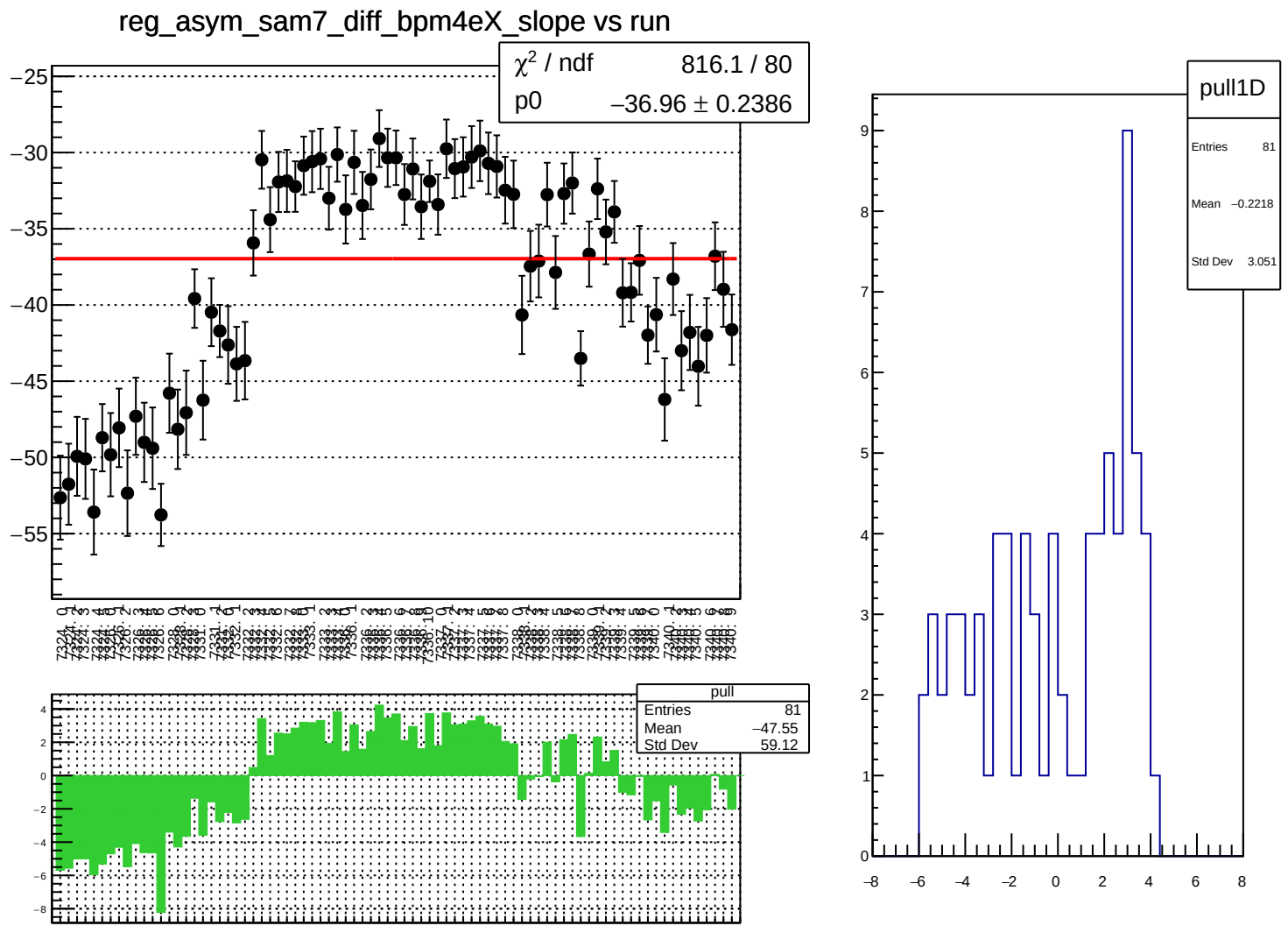

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 40.81 / 80
p0 −0.8197 ± 0.04746
pull
Entries 81
Mean 1849
Std Dev 1809
pull1D
Entries 81
Mean −0.007861
Std Dev 0.7097

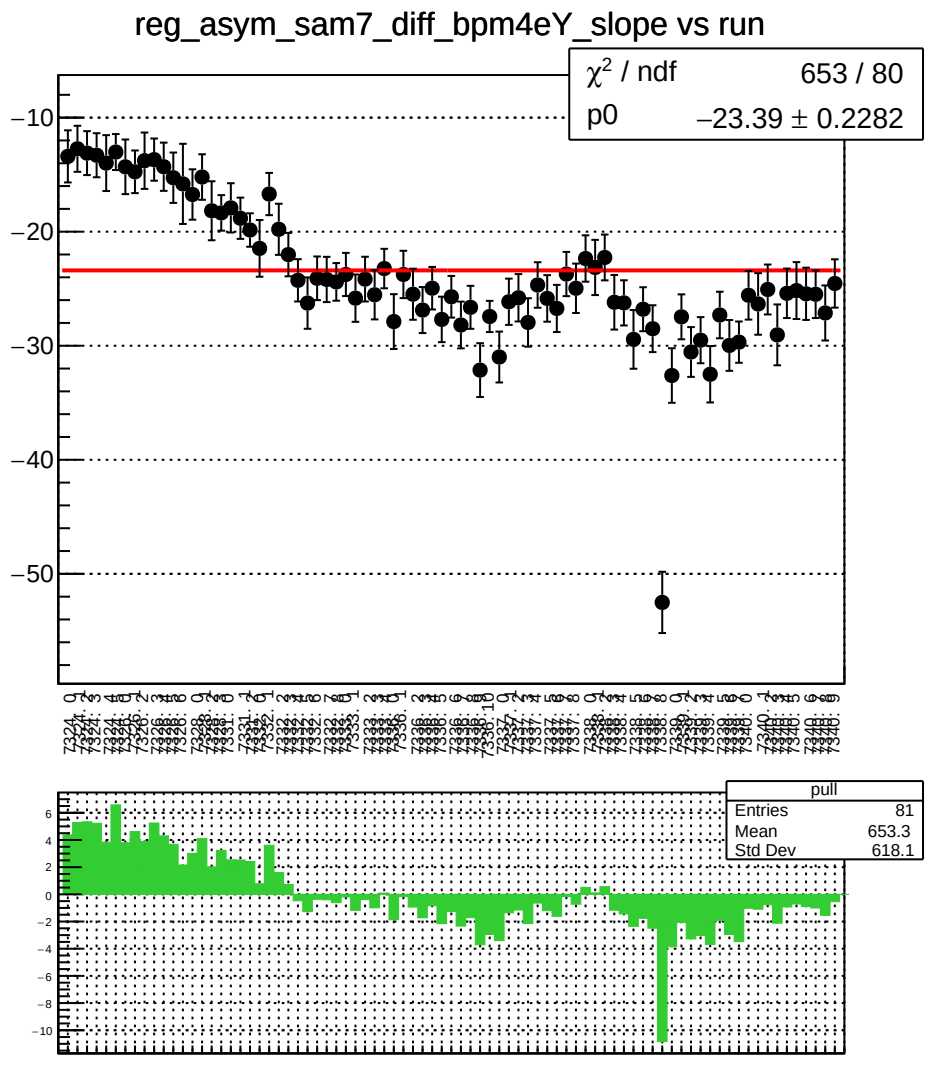

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1103 / 80
p0 2.346 ± 0.2405
pull
Entries 81
Mean −93.62
Std Dev 116.7

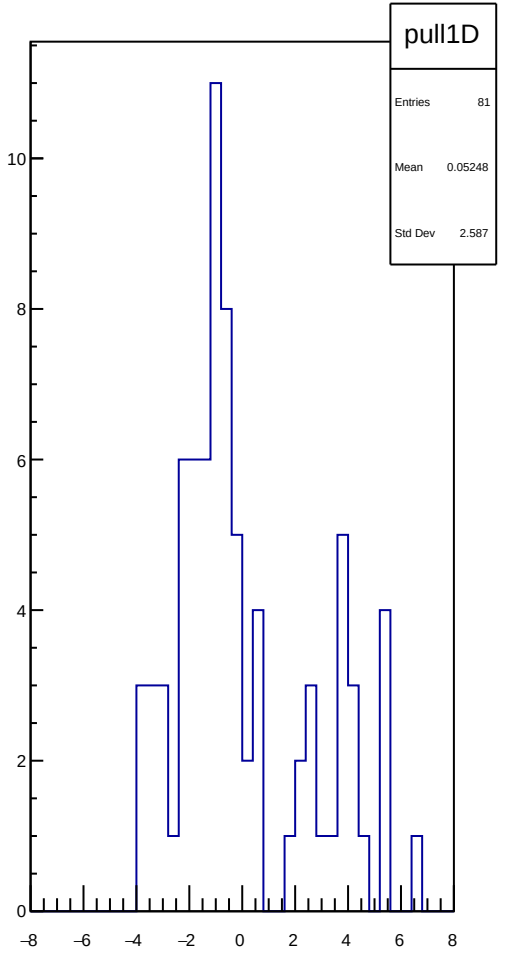

pull1D
Entries 81
Mean 0.2144
Std Dev 3.532

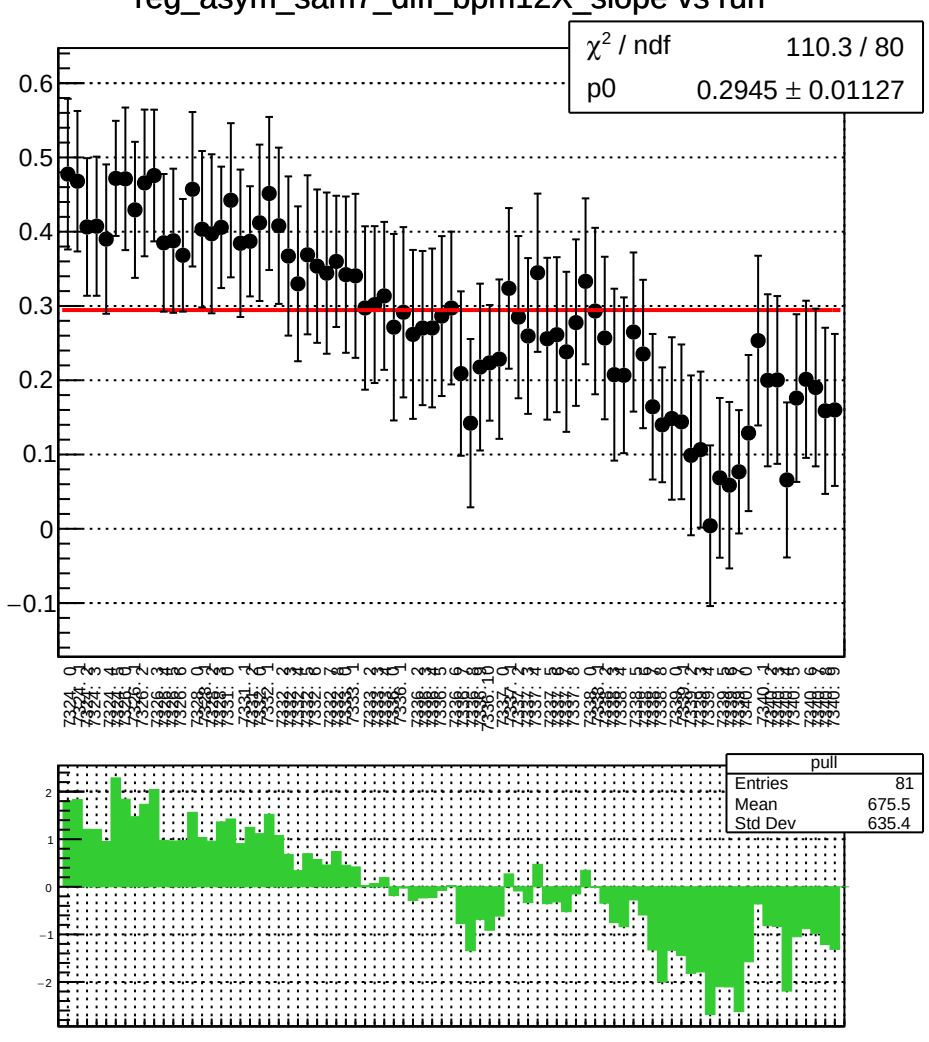

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 654 / 80
p0 16.04 ± 0.2164
pull
Entries 81
Mean 523.9
Std Dev 488.3

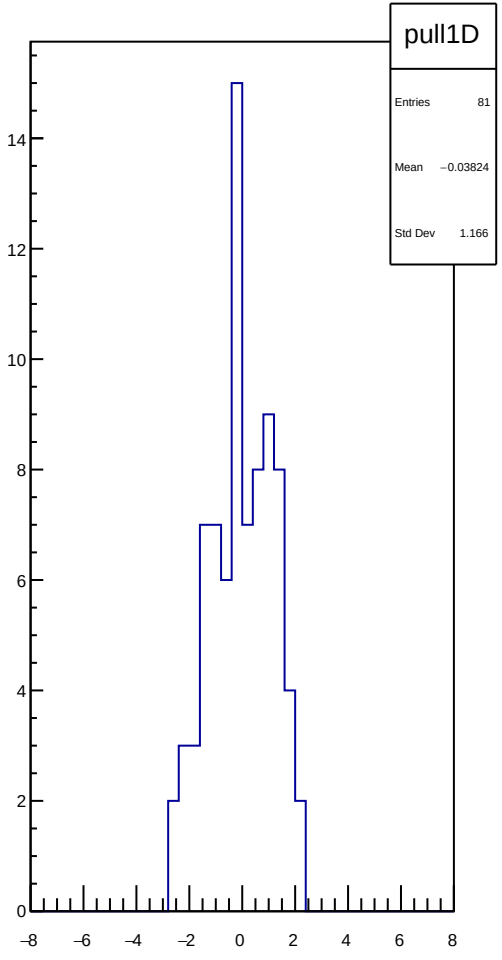

pull1D
Entries 81
Mean −0.03518
Std Dev 2.567

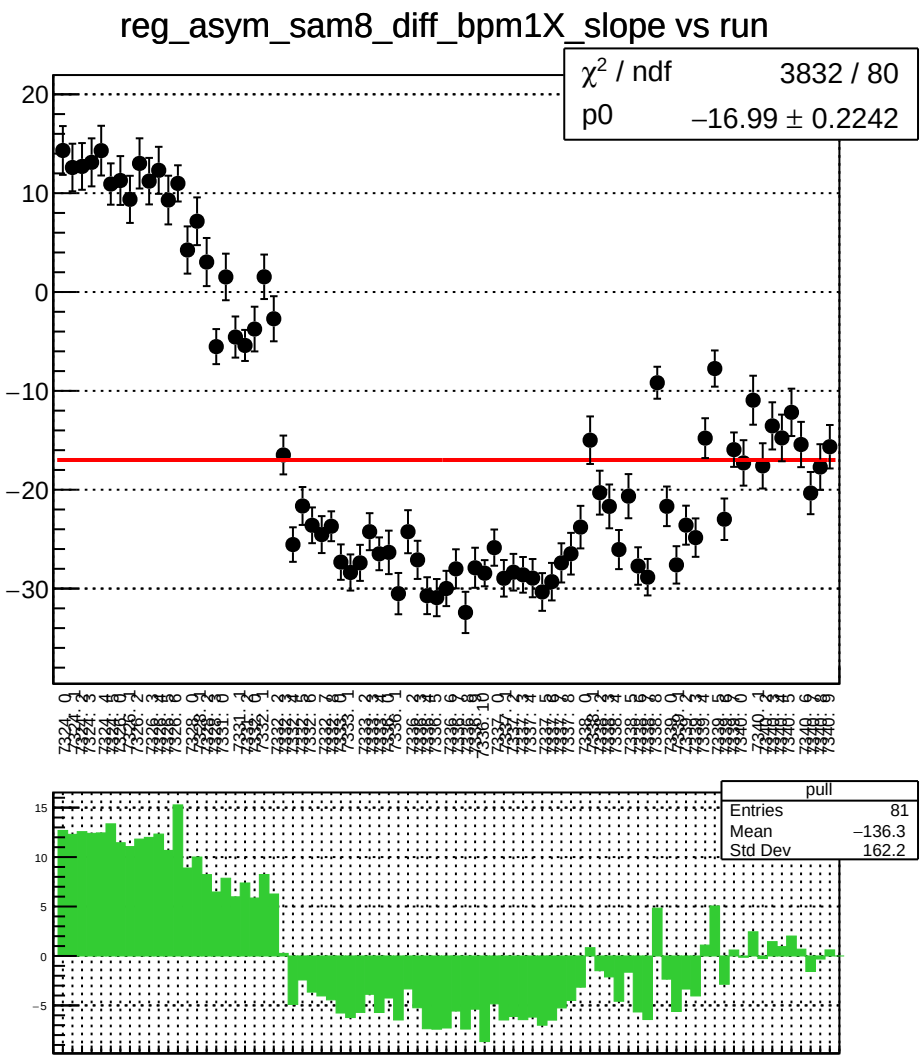

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 816.1 / 80
p0 −36.96 ± 0.2386
pull
Entries 81
Mean −47.55
Std Dev 59.12
pull1D
Entries 81
Mean −0.2218
Std Dev 3.051

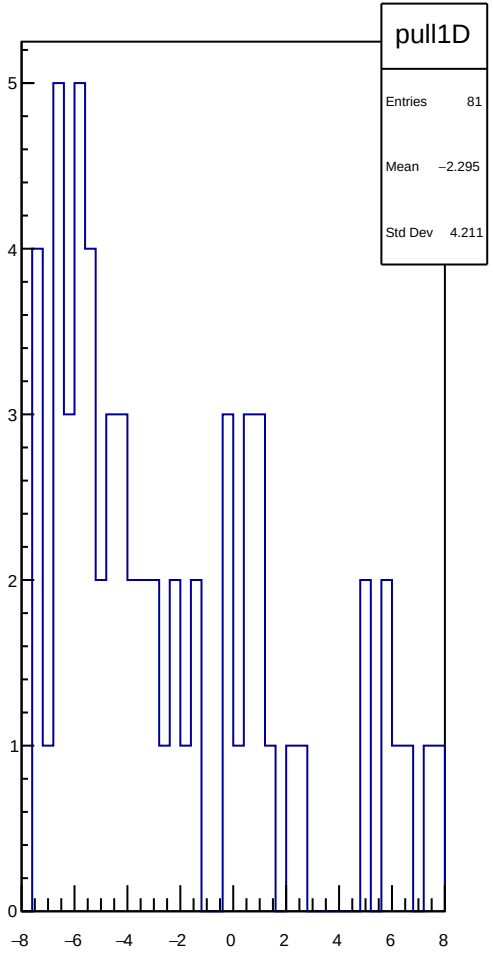

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 653 / 80
p0 −23.39 ± 0.2282
pull
Entries 81
Mean 653.3
Std Dev 618.1

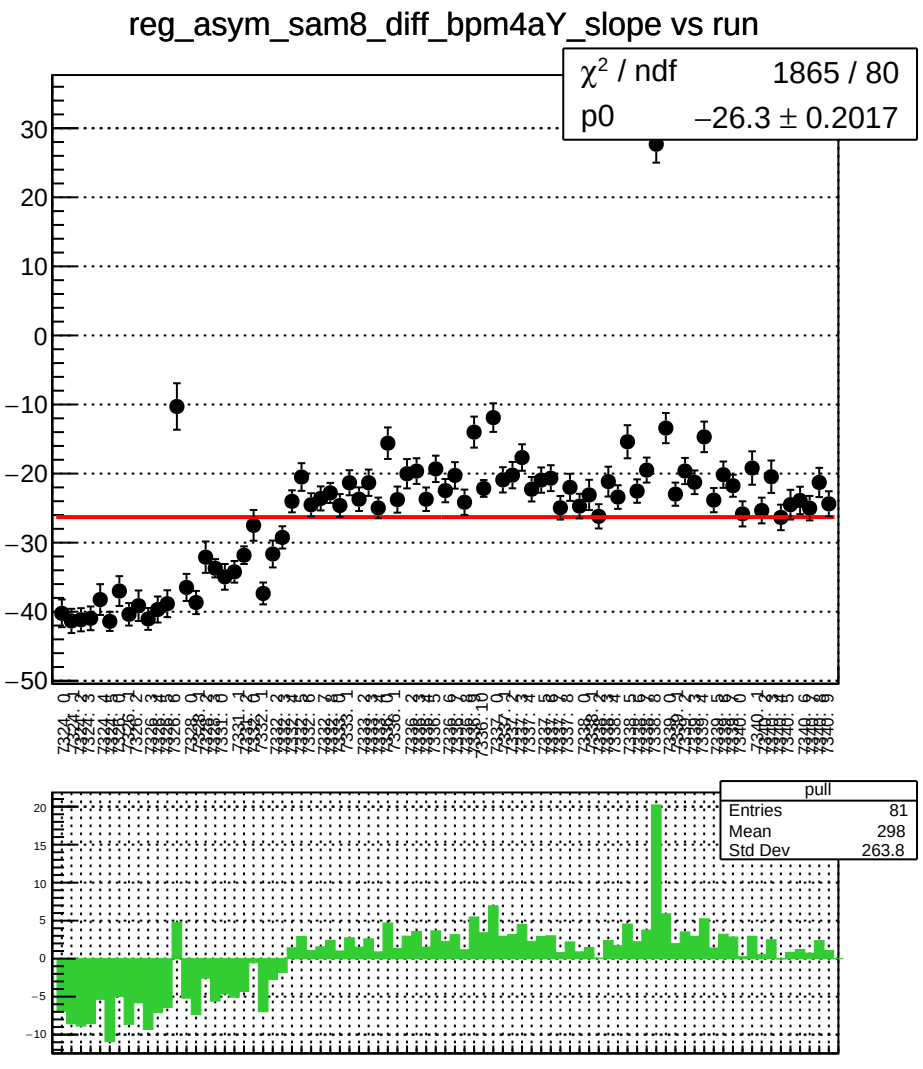

pull1D
Entries 81
Mean 0.05248
Std Dev 2.587

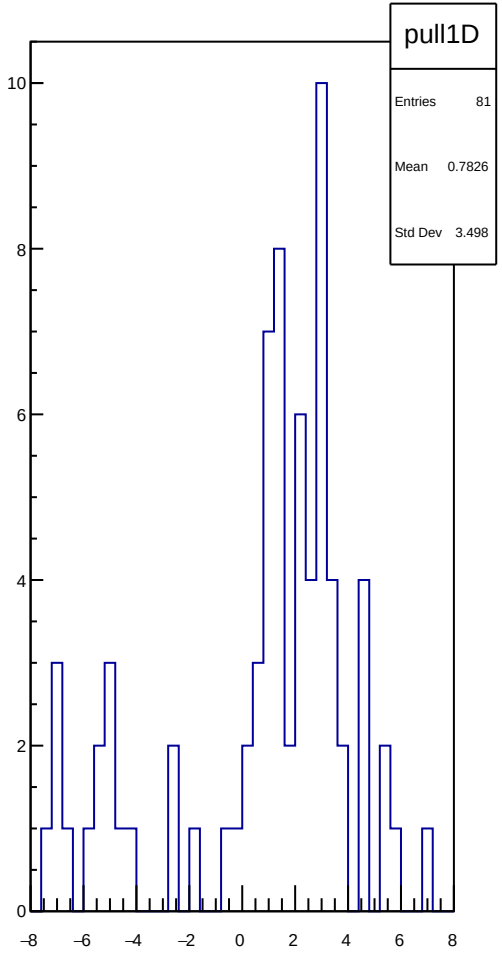

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 110.3 / 80
p0 0.2945 ± 0.01127
pull
Entries 81
Mean 675.5
Std Dev 635.4

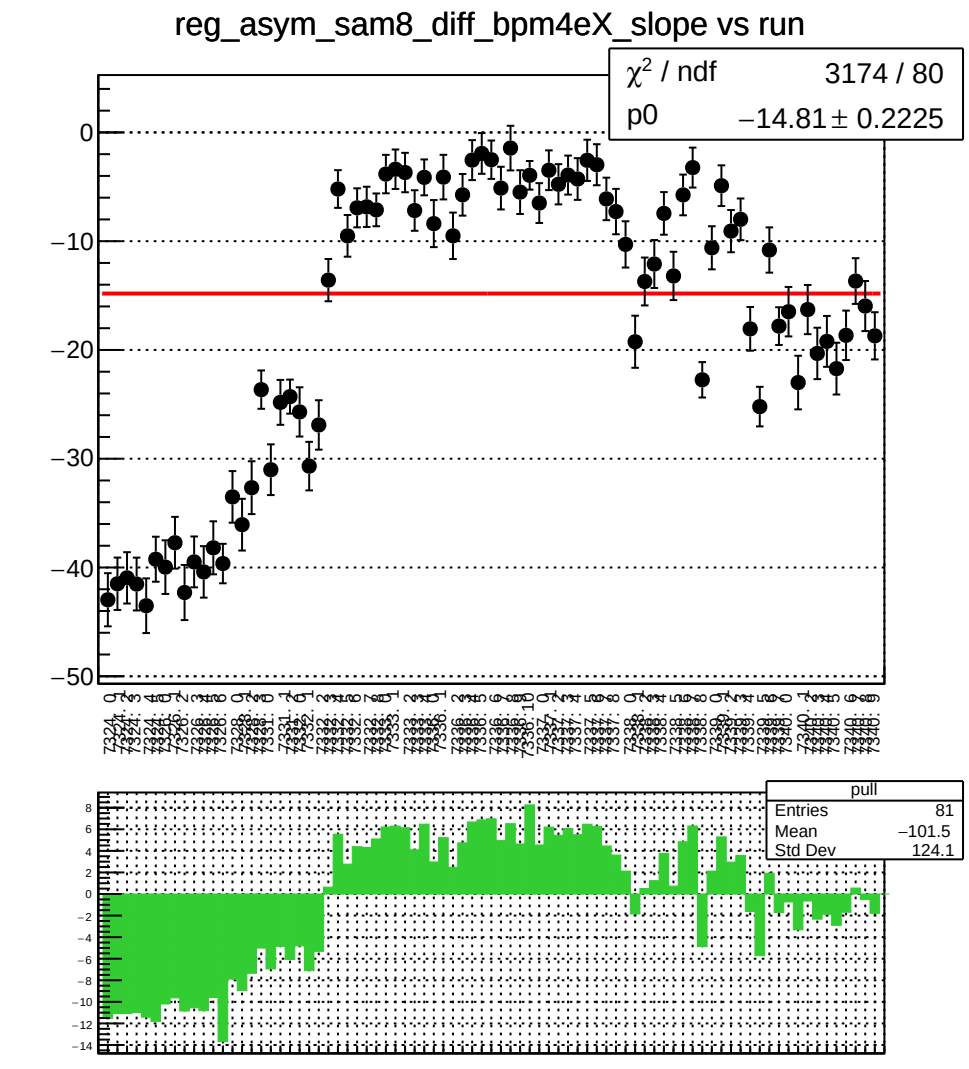

pull1D
Entries 81
Mean −0.03824
Std Dev 1.166

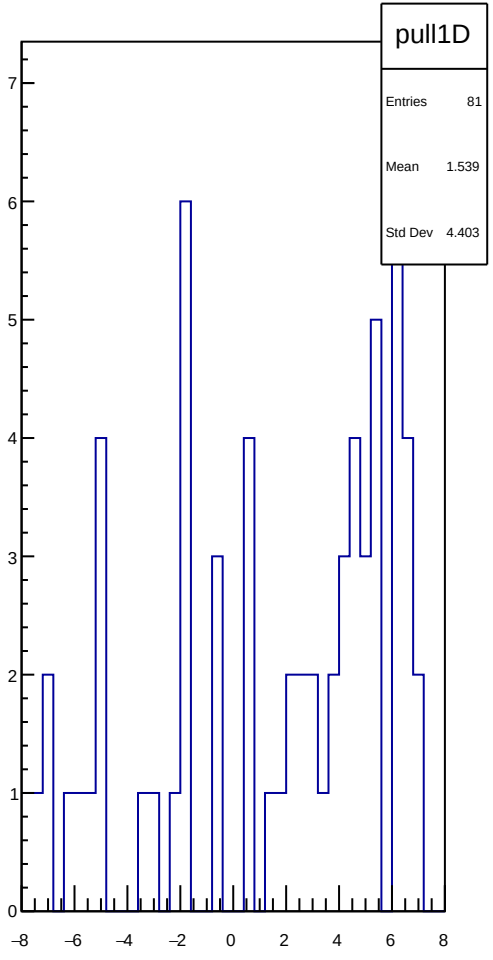

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 3832 / 80
p0 −16.99 ± 0.2242
pull
Entries 81
Mean −136.3
Std Dev 162.2

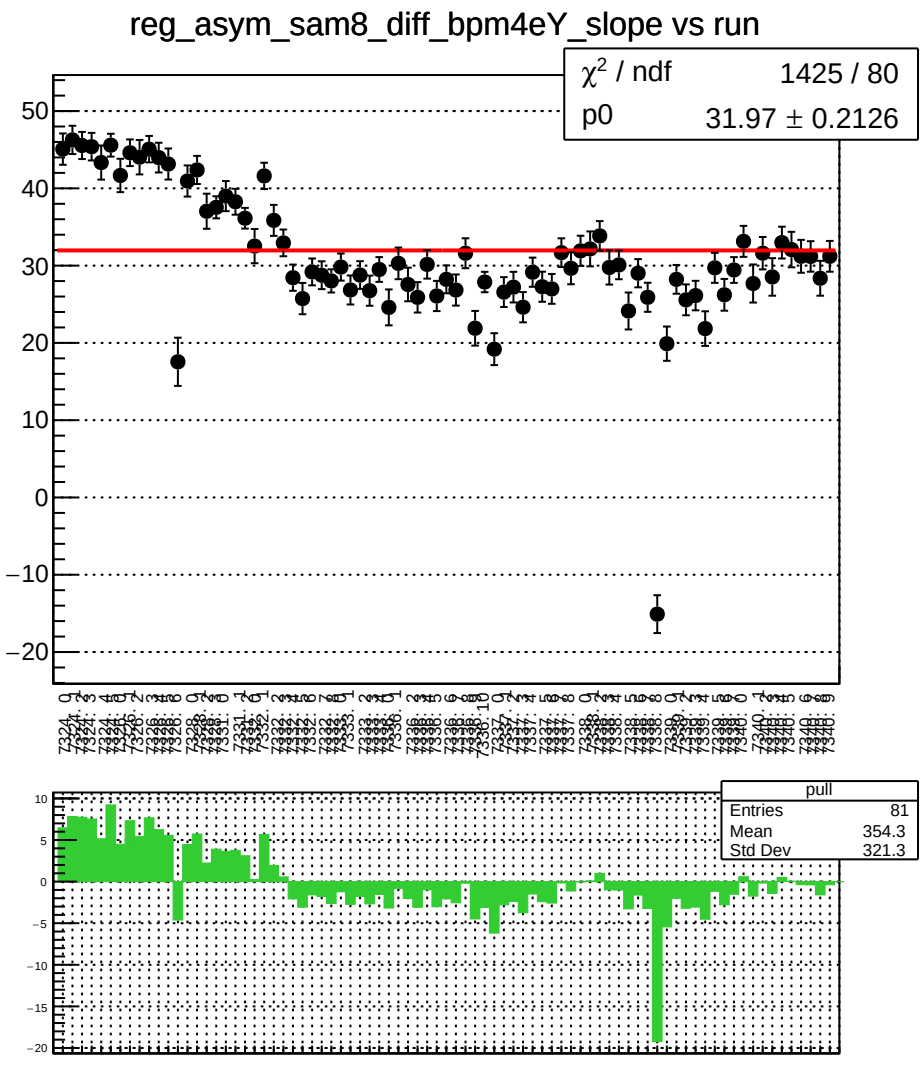

pull1D
Entries 81
Mean −2.295
Std Dev 4.211

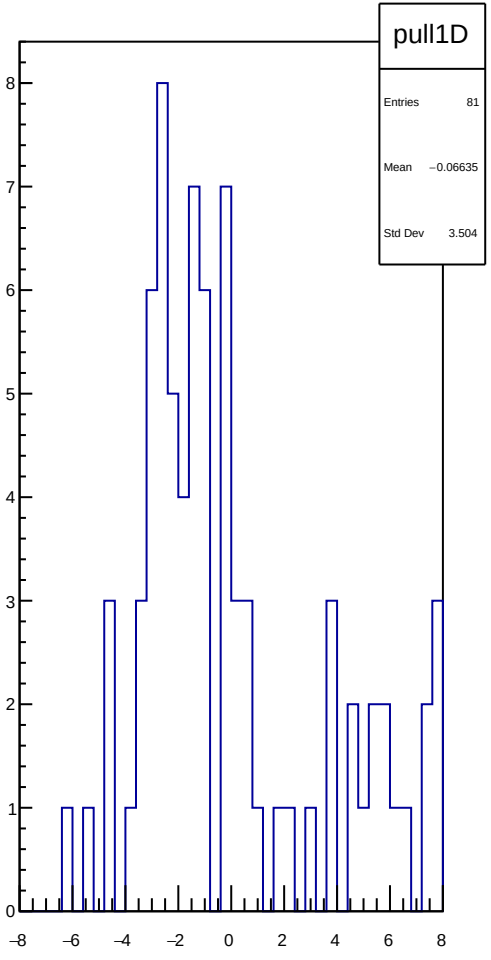

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1865 / 80
p0 −26.3 ± 0.2017
pull
Entries 81
Mean 298
Std Dev 263.8

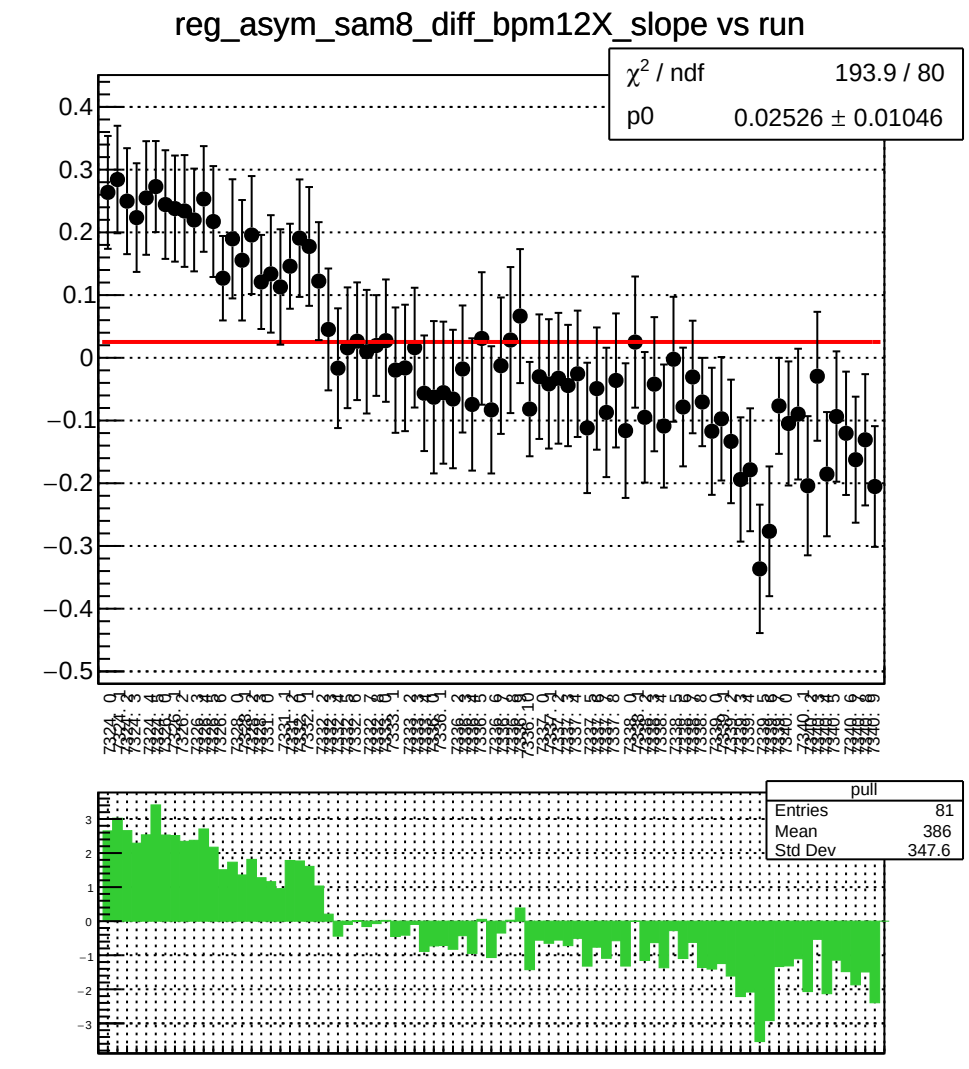

pull1D
Entries 81
Mean 0.7826
Std Dev 3.498

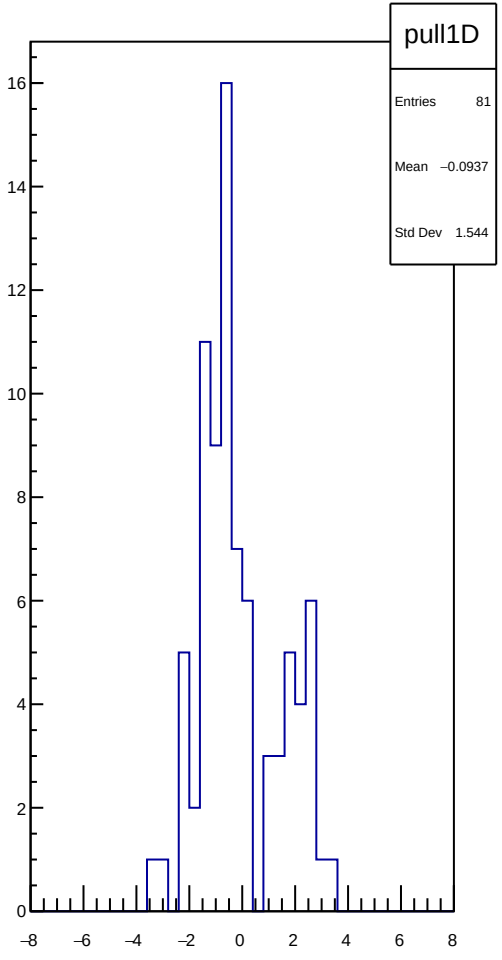

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 3174 / 80
p0 −14.81 ± 0.2225
pull
Entries 81
Mean −101.5
Std Dev 124.1

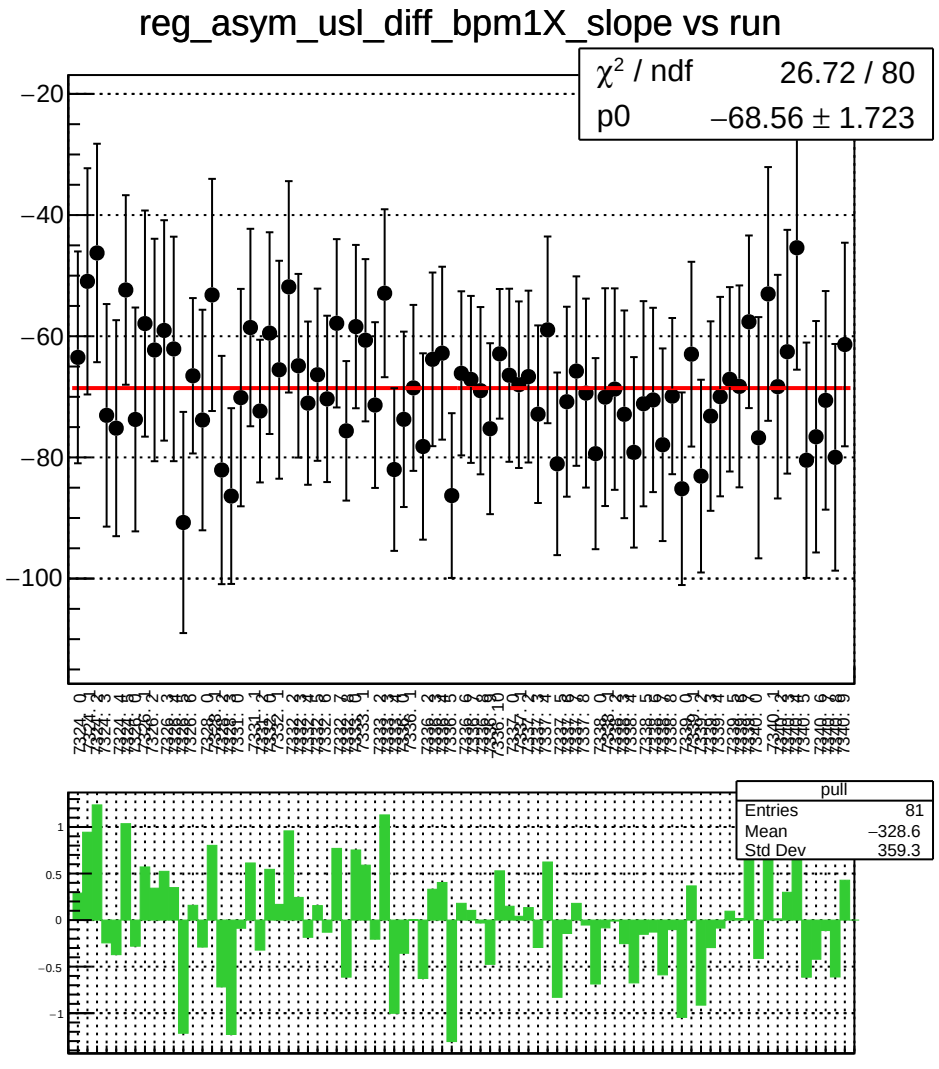

pull1D
Entries 81
Mean 1.539
Std Dev 4.403

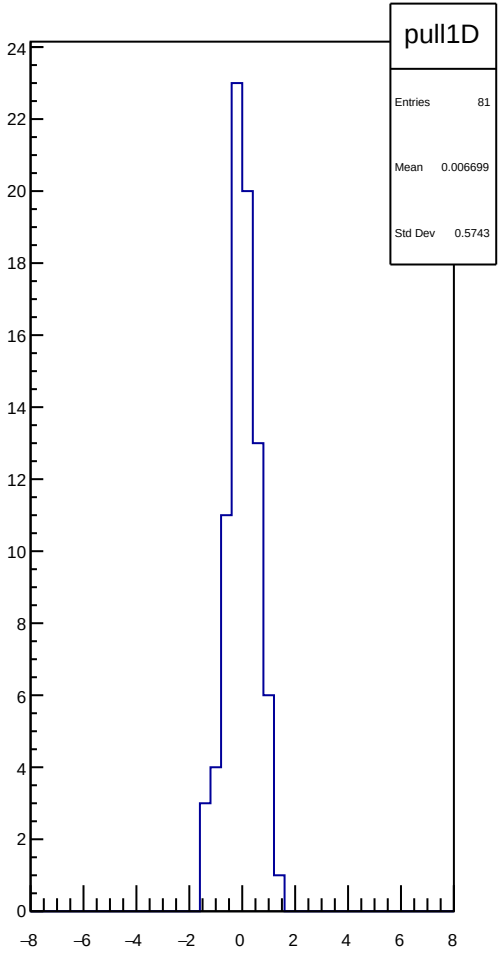

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1425 / 80
p0 31.97 ± 0.2126
pull
Entries 81
Mean 354.3
Std Dev 321.3

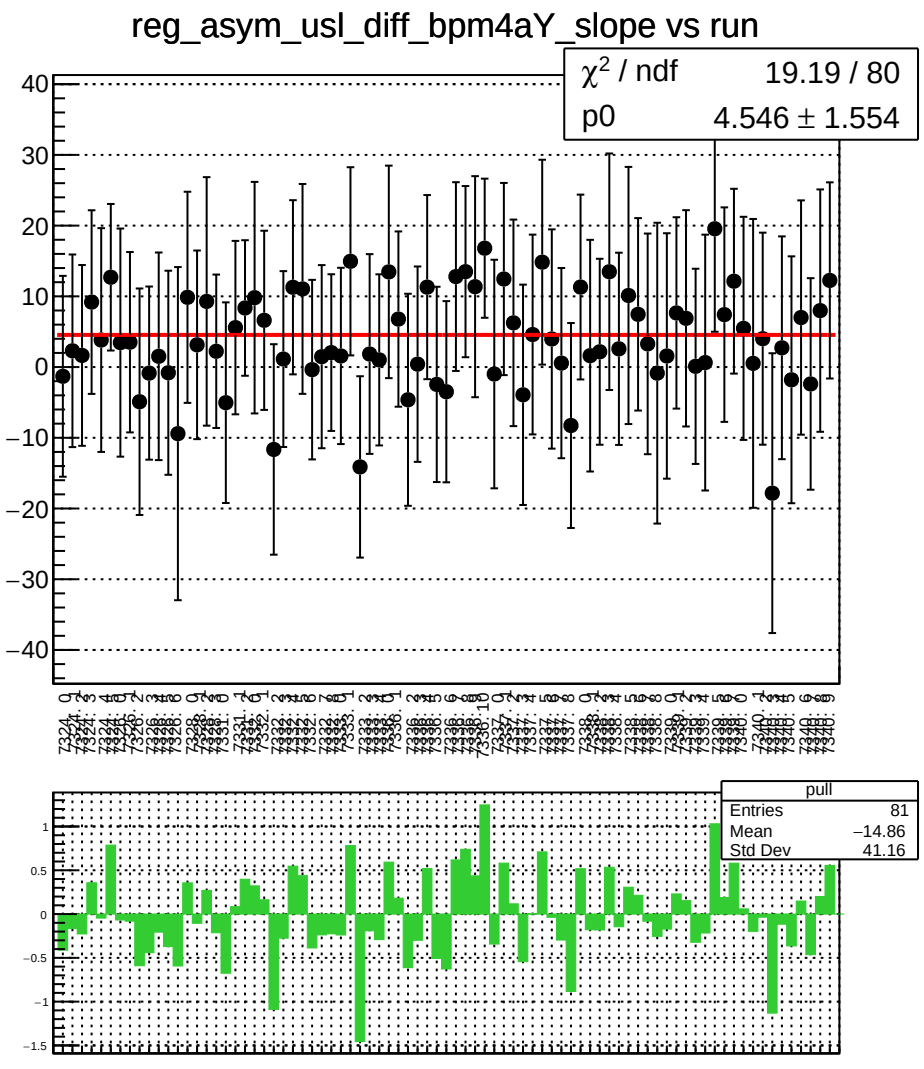

pull1D
Entries 81
Mean −0.06635
Std Dev 3.504

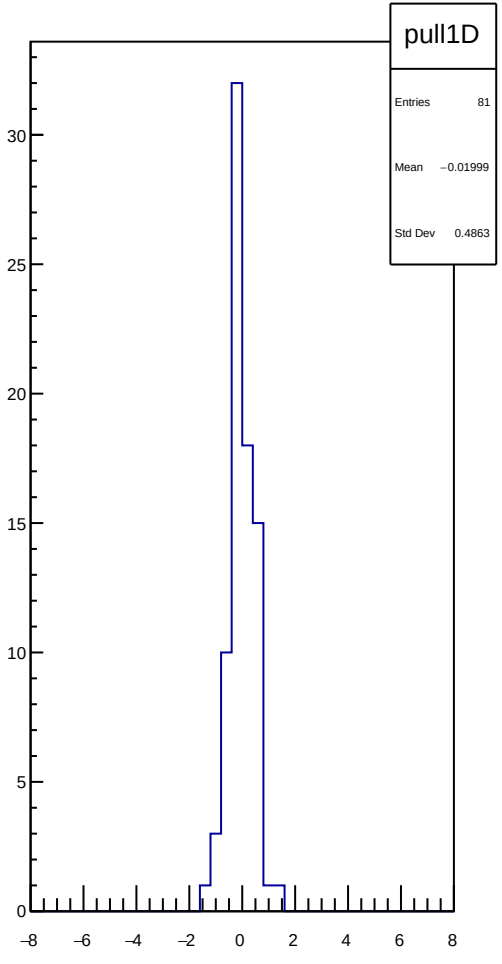

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 193.9 / 80
p0 0.02526 ± 0.01046
pull
Entries 81
Mean 386
Std Dev 347.6

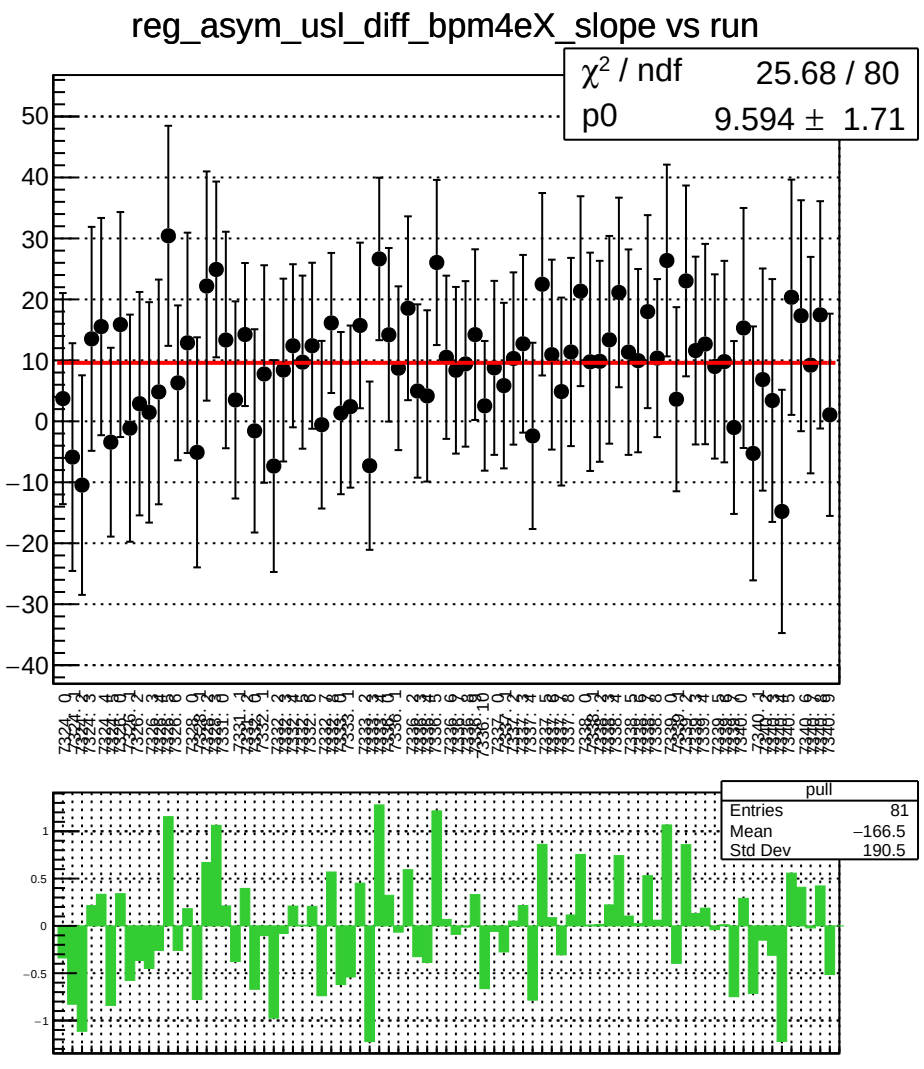

pull1D
Entries 81
Mean −0.0937
Std Dev 1.544

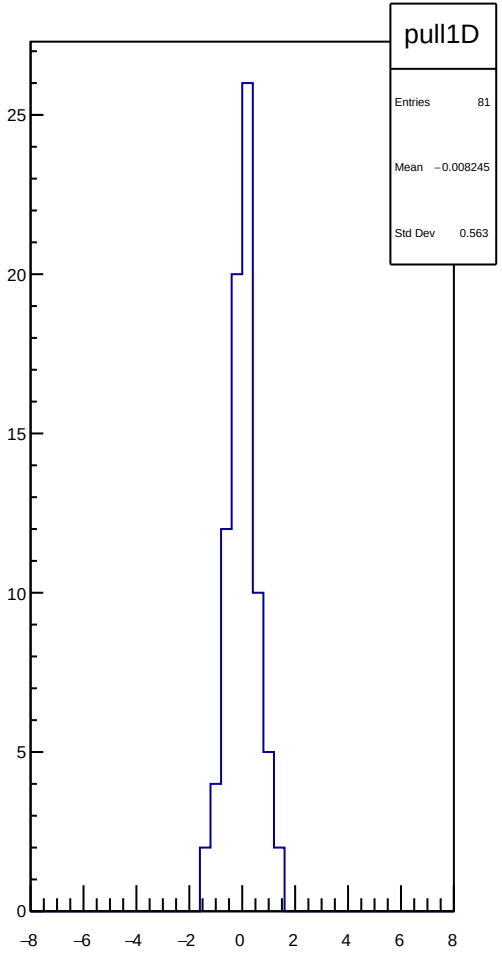

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 26.72 / 80
p0 −68.56 ± 1.723
pull
Entries 81
Mean −328.6
Std Dev 359.3

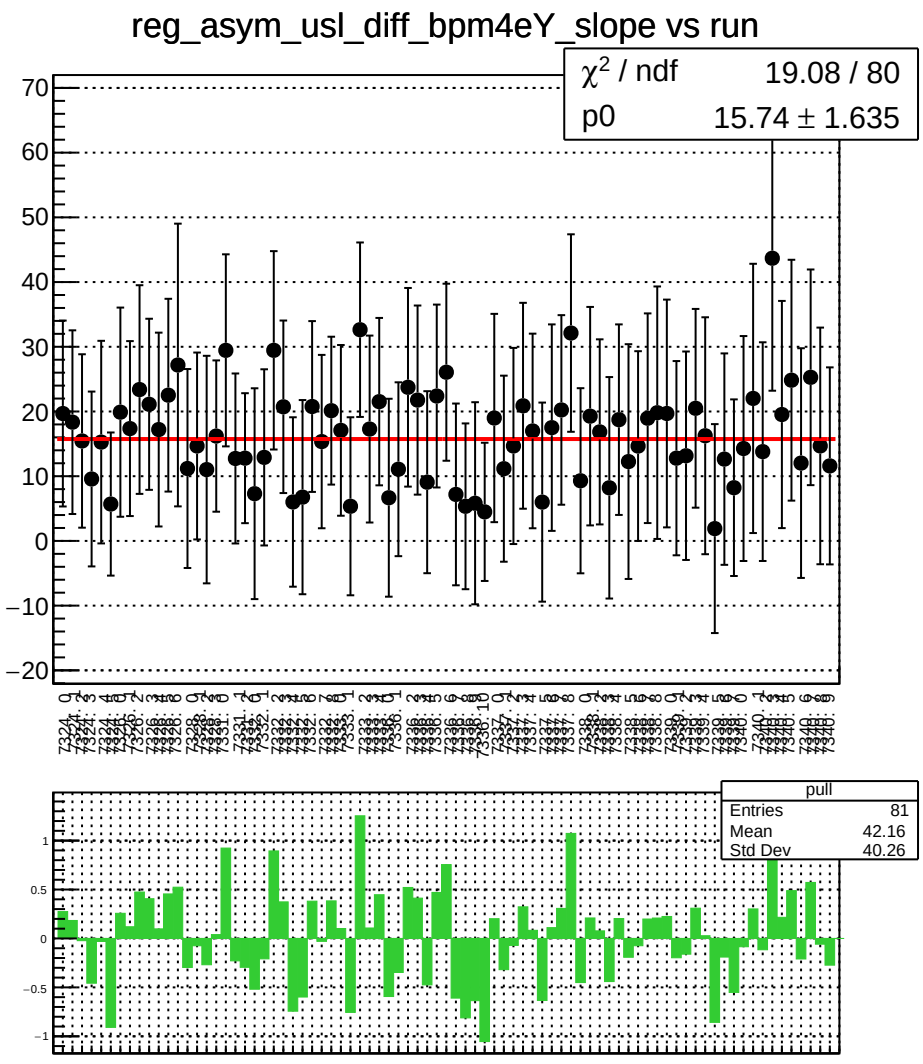

pull1D
Entries 81
Mean 0.006699
Std Dev 0.5743

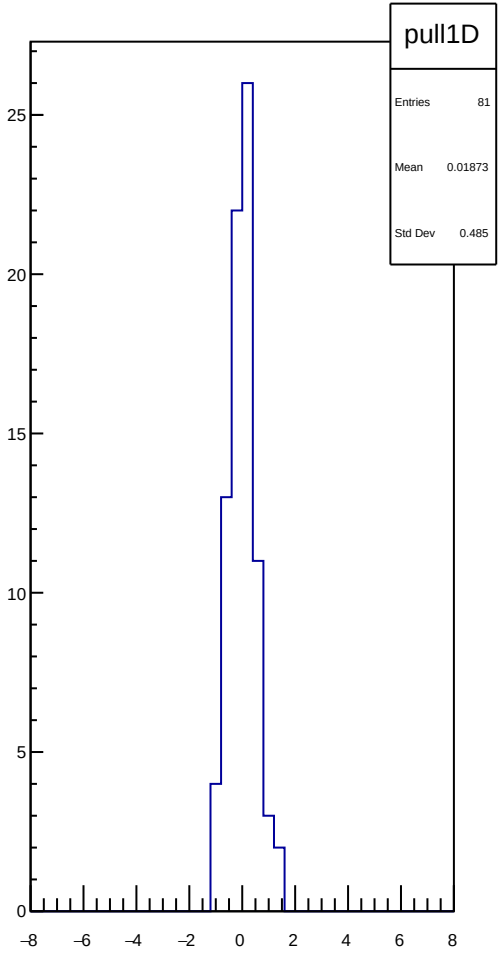

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 19.19 / 80
p0 4.546 ± 1.554
pull
Entries 81
Mean −14.86
Std Dev 41.16

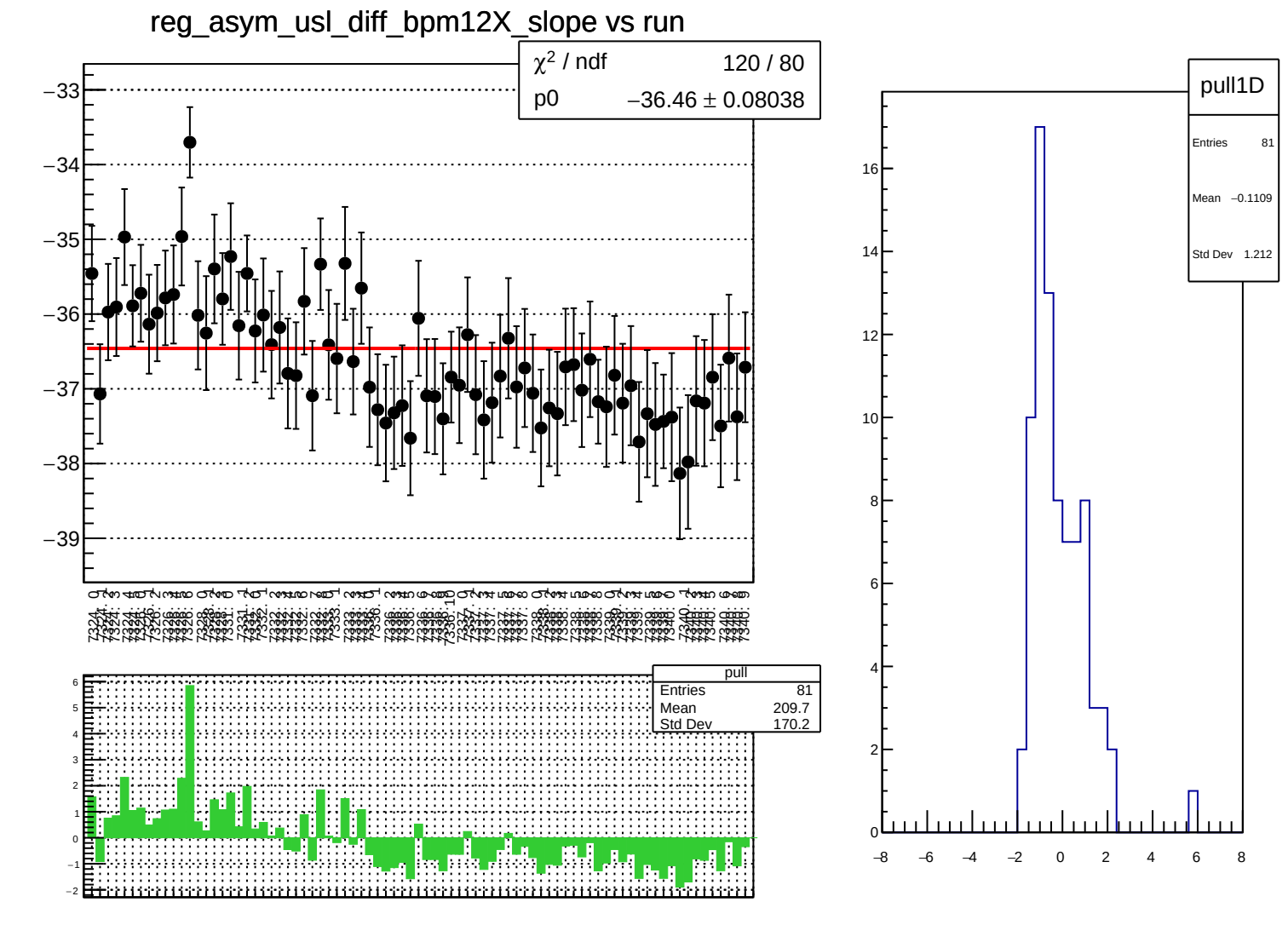

pull1D
Entries 81
Mean −0.01999
Std Dev 0.4863

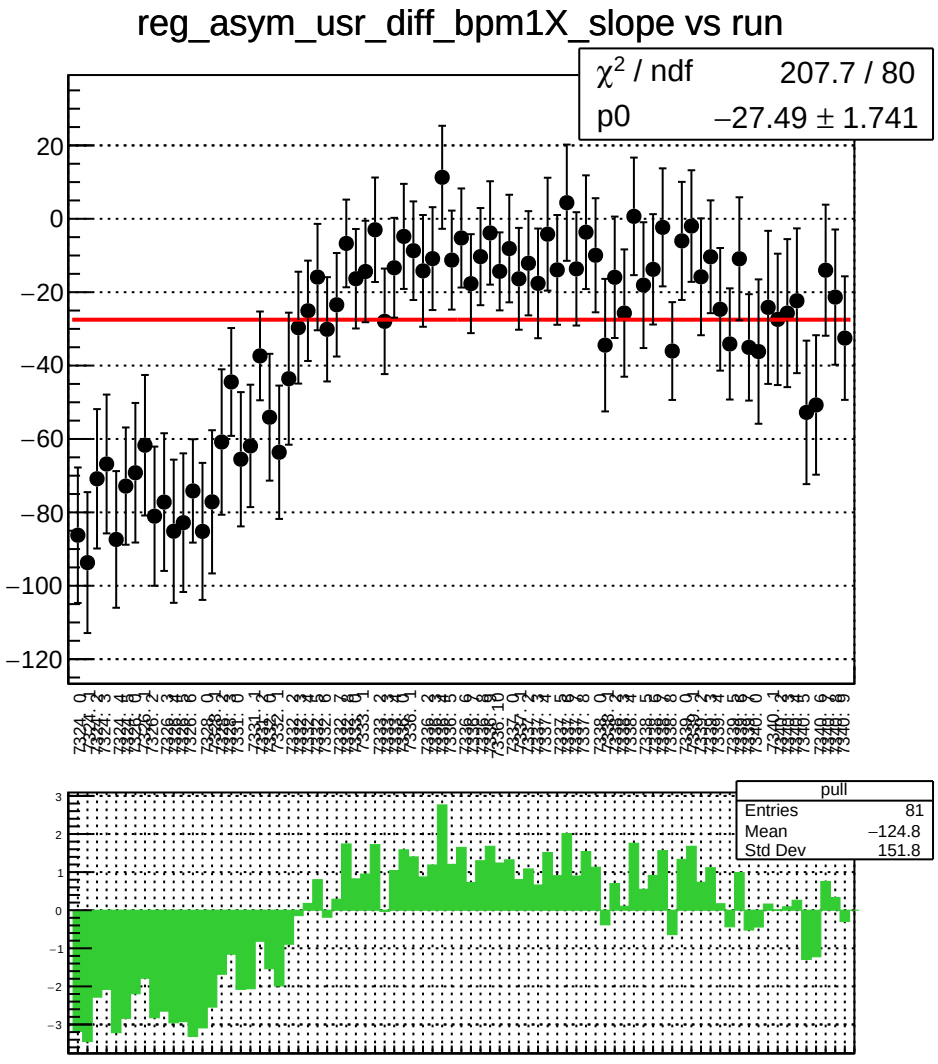

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 25.68 / 80
p0 9.594 ± 1.71
pull
Entries 81
Mean −166.5
Std Dev 190.5

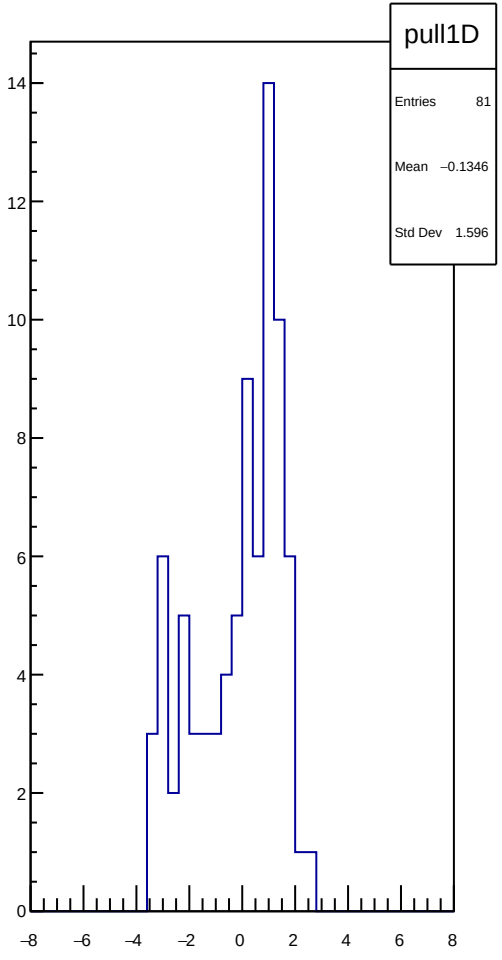

pull1D
Entries 81
Mean −0.008245
Std Dev 0.563

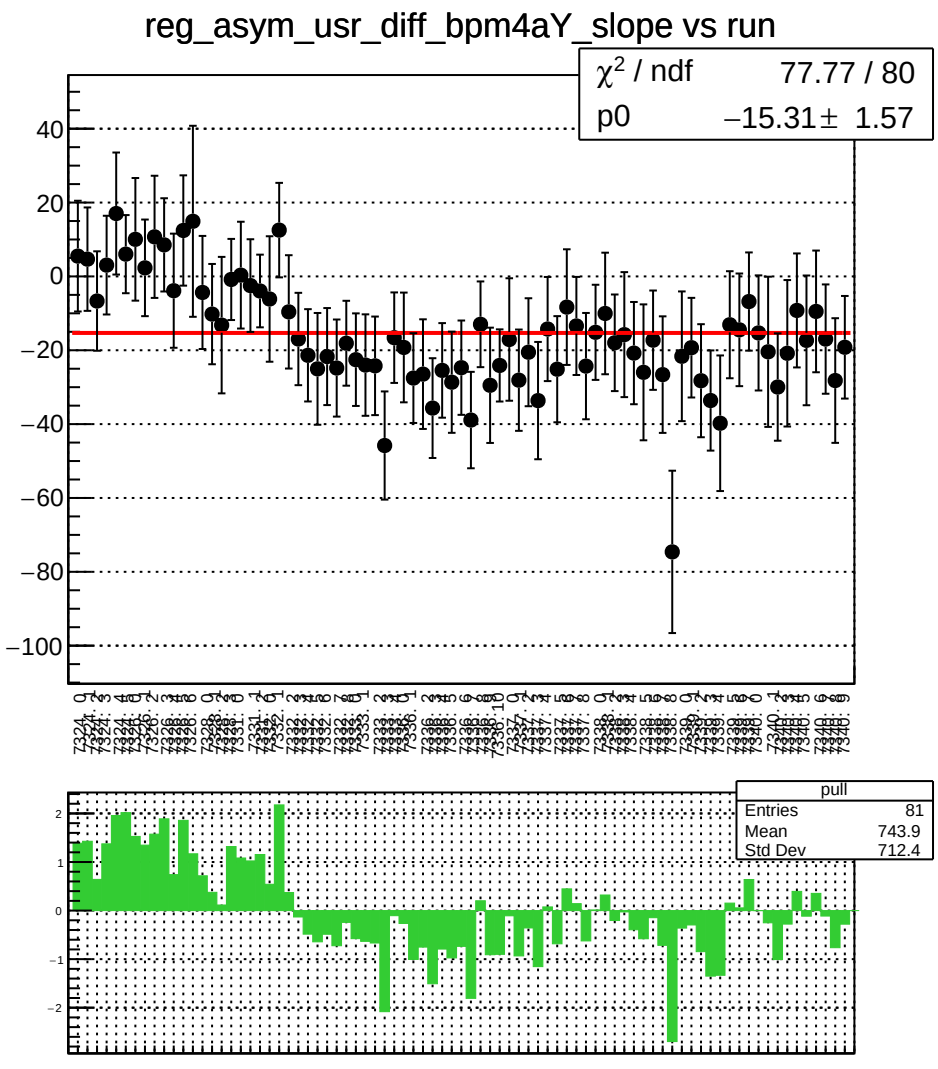

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 19.08 / 80
p0 15.74 ± 1.635
pull
Entries 81
Mean 42.16
Std Dev 40.26

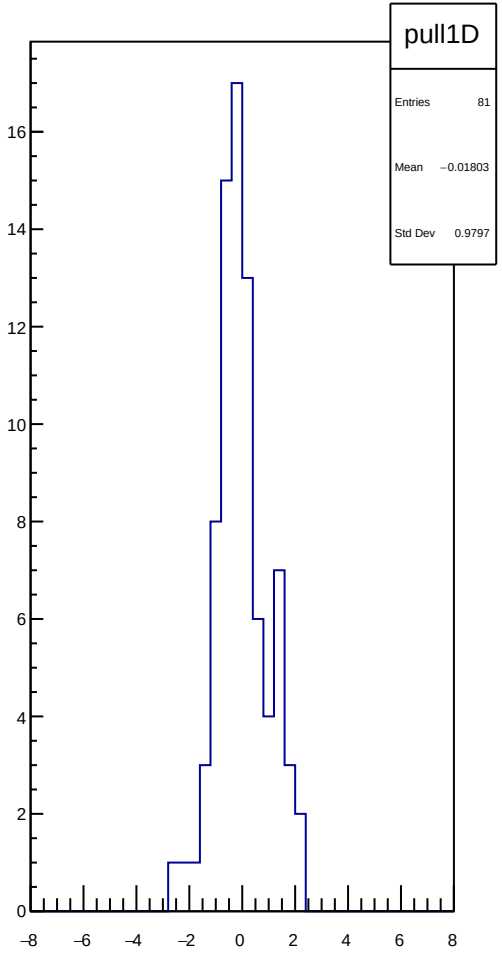

pull1D
Entries 81
Mean 0.01873
Std Dev 0.485

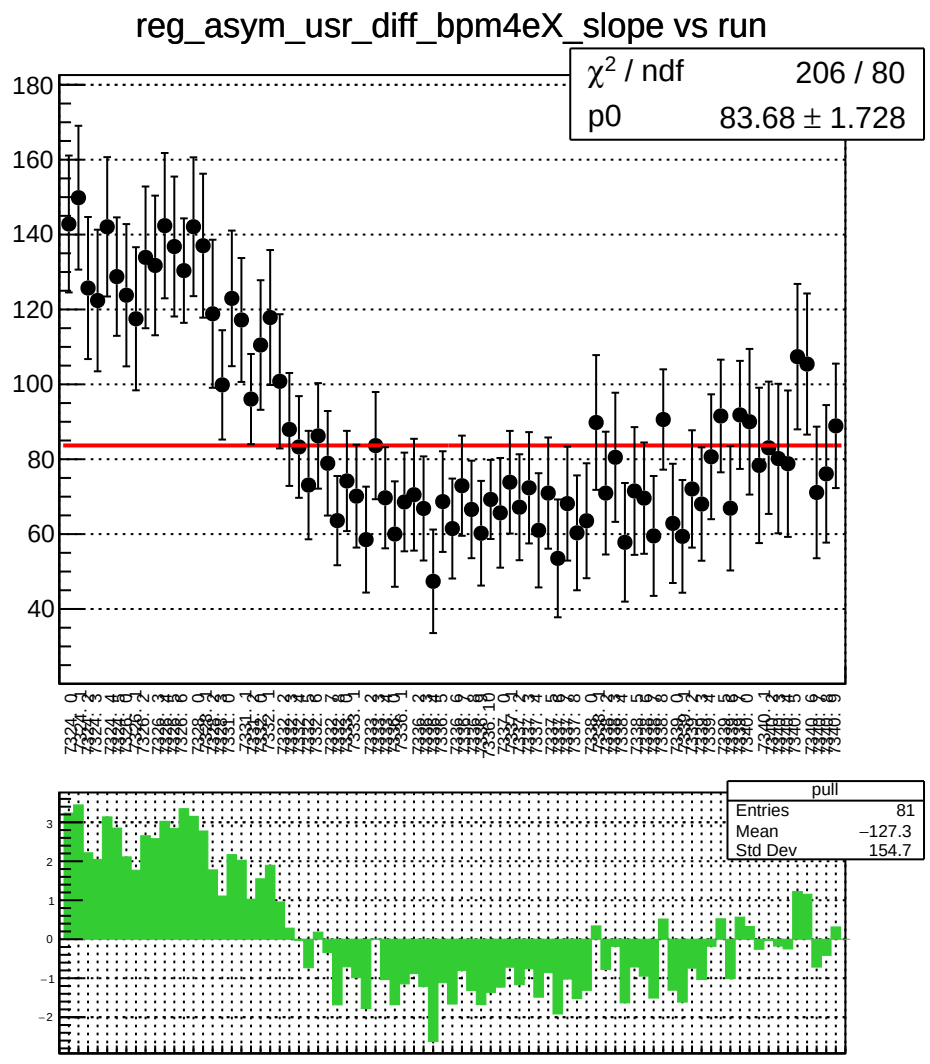

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 120 / 80
p0 −36.46 ± 0.08038
pull
Entries 81
Mean 209.7
Std Dev 170.2
pull1D
Entries 81
Mean −0.1109
Std Dev 1.212

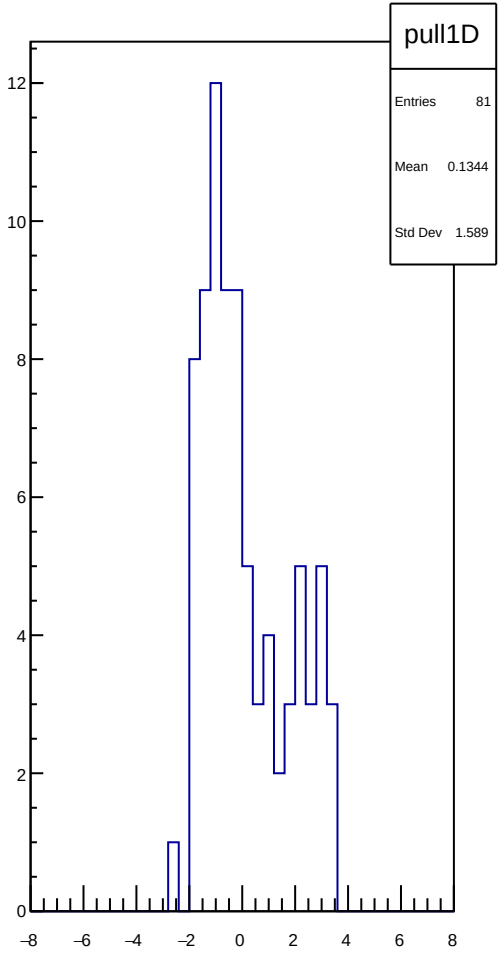

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 207.7 / 80
p0 −27.49 ± 1.741
pull
Entries 81
Mean −124.8
Std Dev 151.8

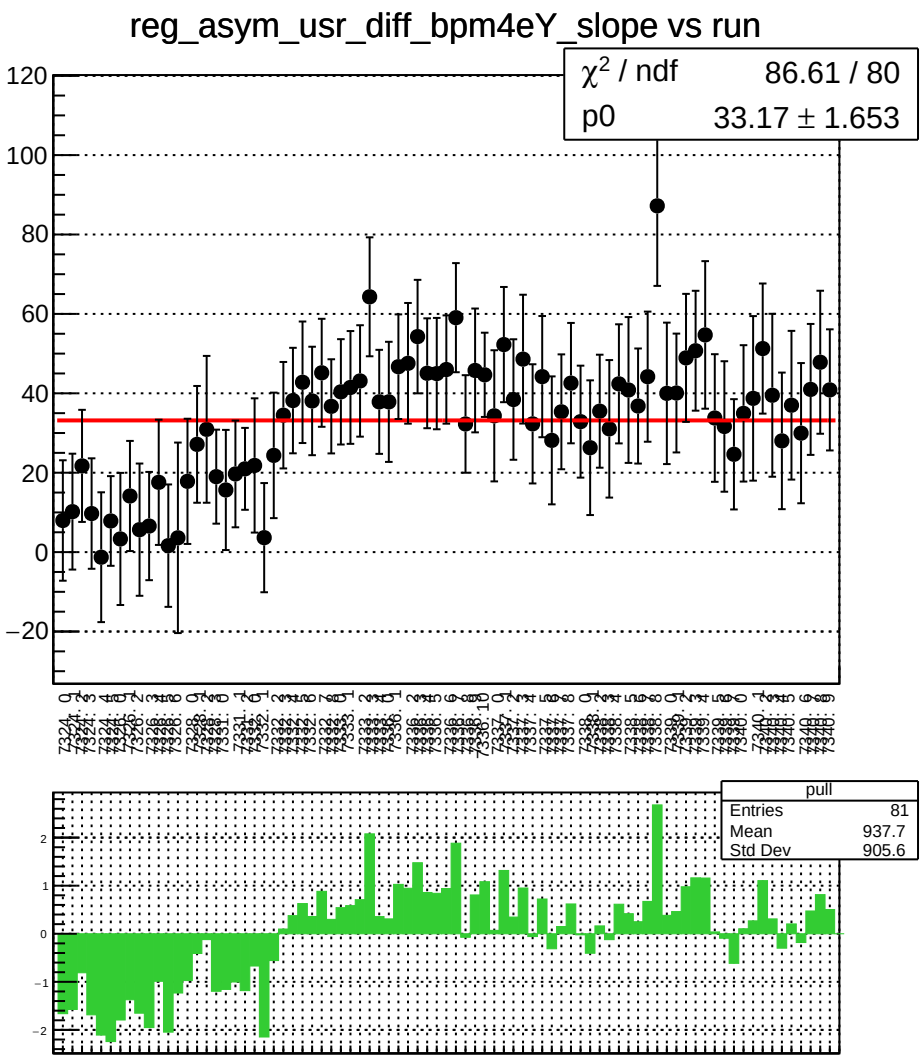

pull1D
Entries 81
Mean −0.1346
Std Dev 1.596

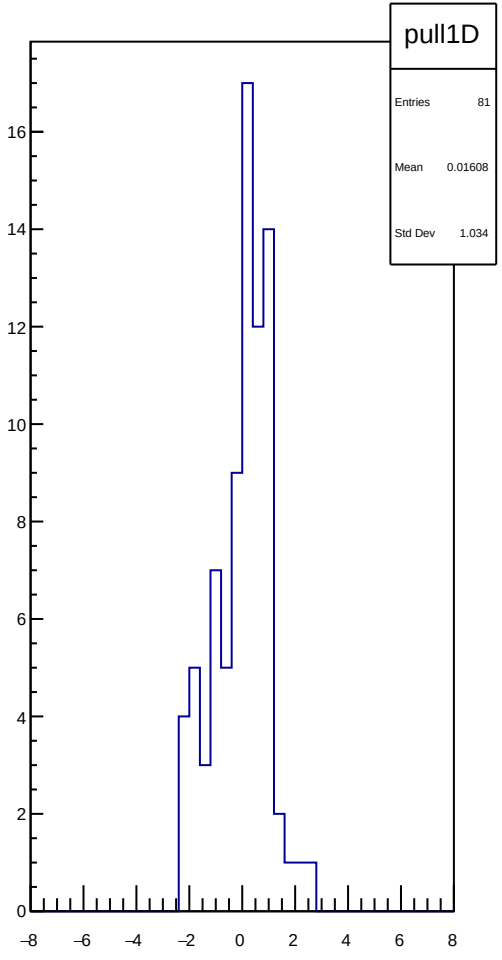

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 77.77 / 80
p0 −15.31 ± 1.57
pull
Entries 81
Mean 743.9
Std Dev 712.4

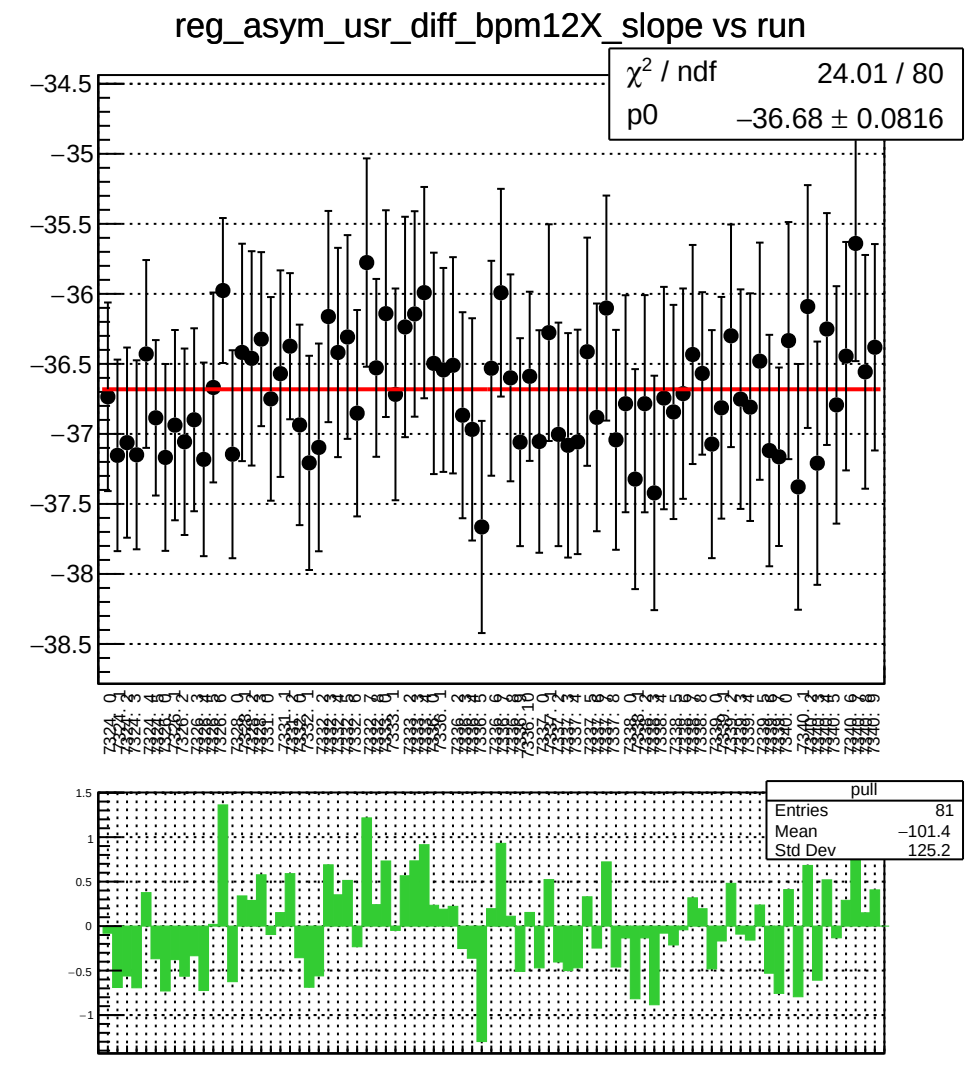

pull1D
Entries 81
Mean −0.01803
Std Dev 0.9797

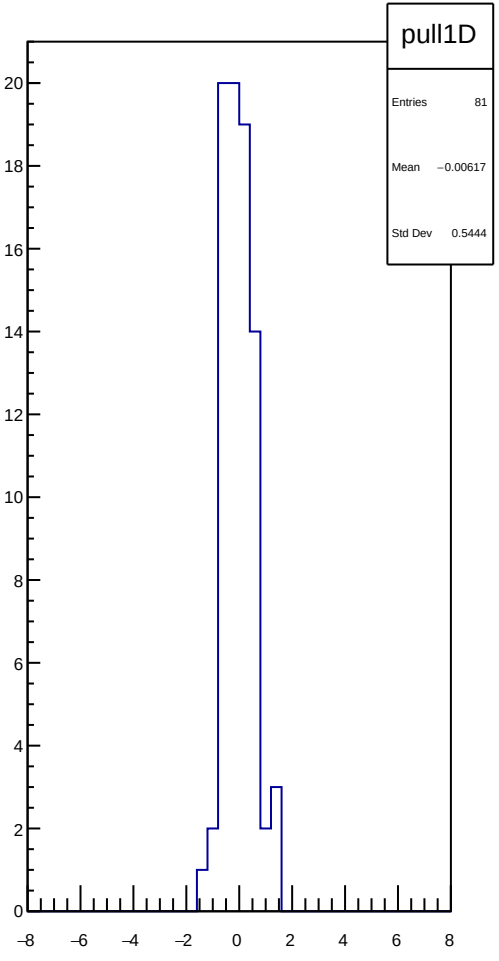

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 206 / 80
p0 83.68 ± 1.728
pull
Entries 81
Mean −127.3
Std Dev 154.7

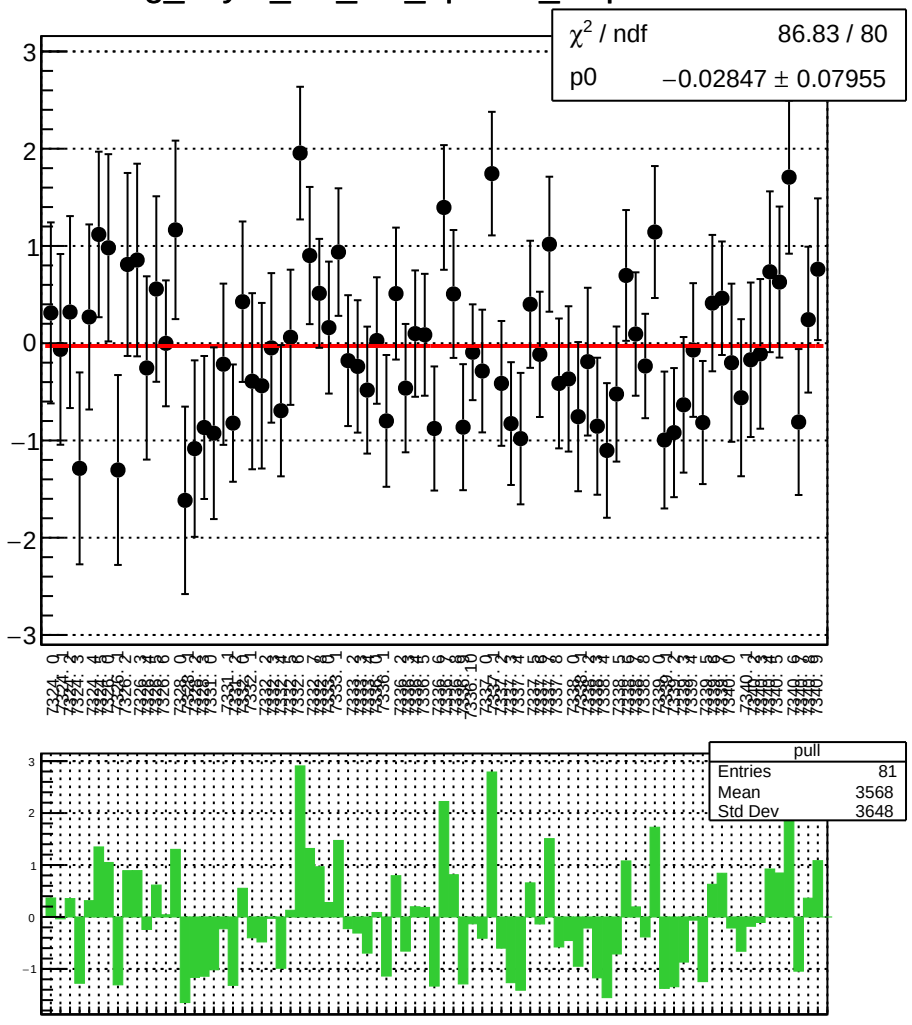

pull1D
Entries 81
Mean 0.1344
Std Dev 1.589

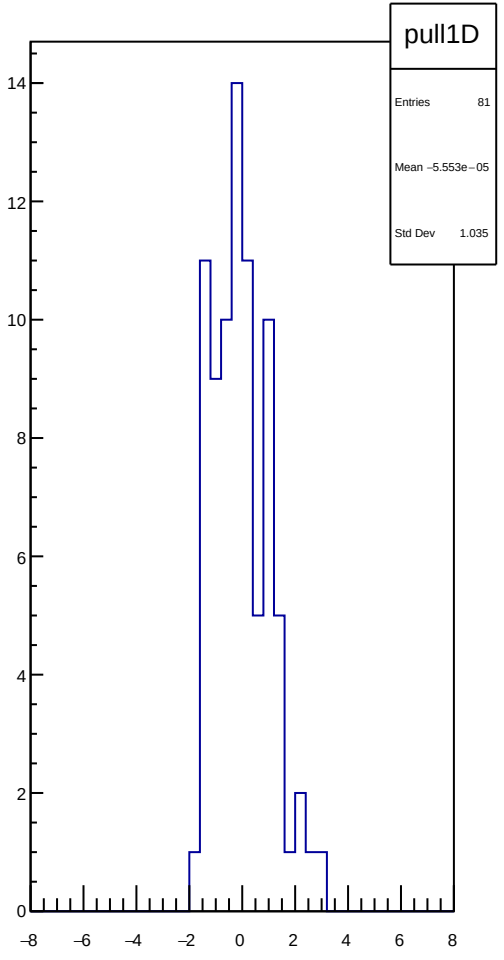

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 86.61 / 80
p0 33.17 ± 1.653
pull
Entries 81
Mean 937.7
Std Dev 905.6

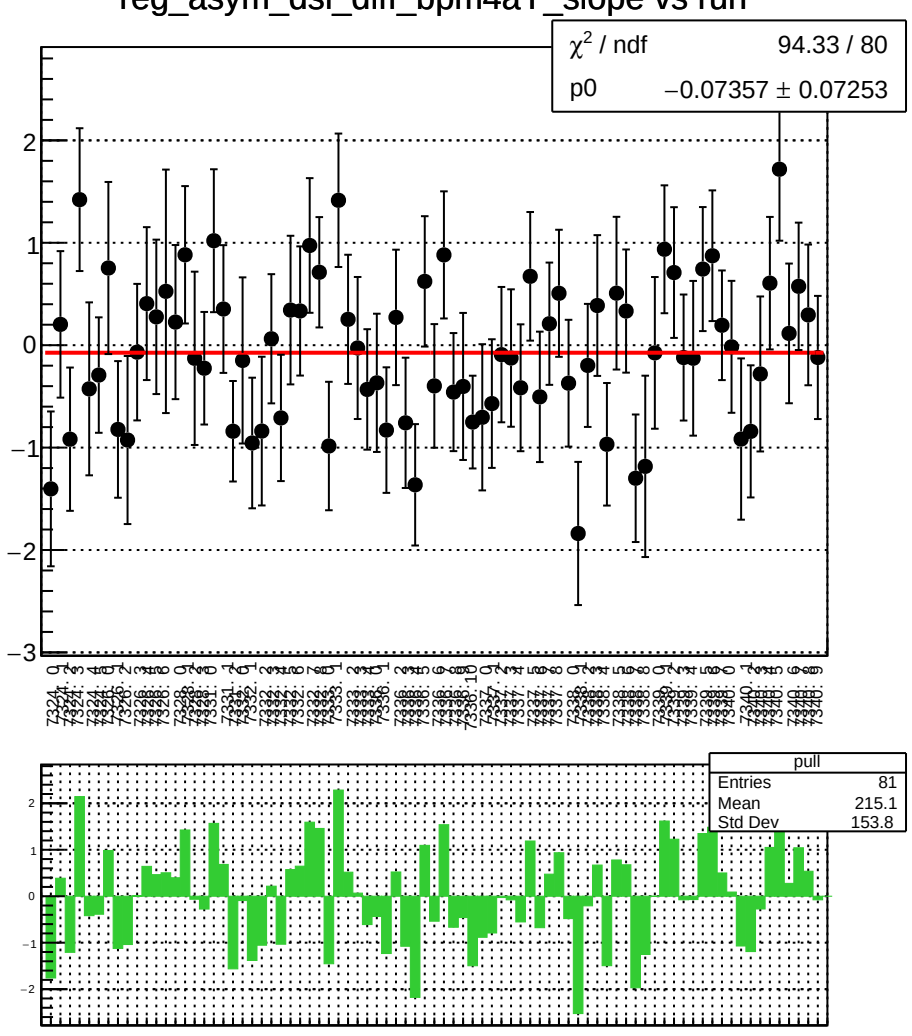

pull1D
Entries 81
Mean 0.01608
Std Dev 1.034

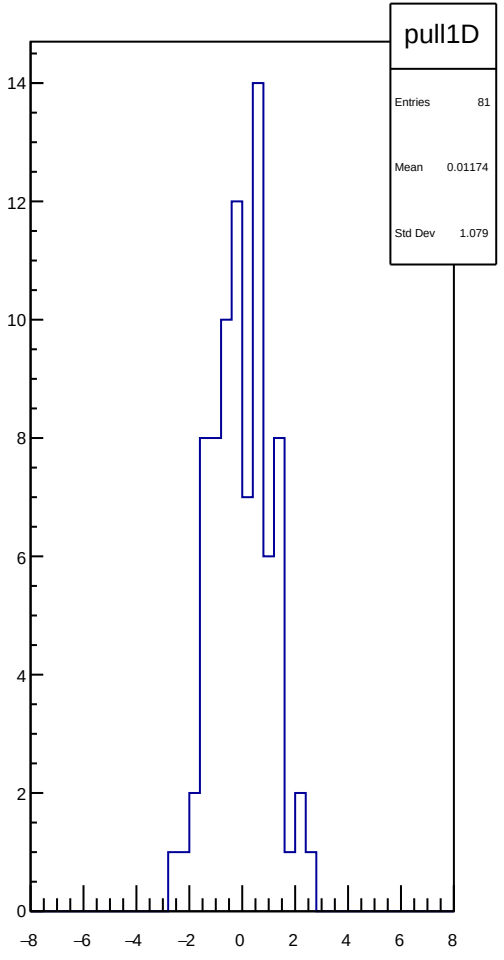

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 24.01 / 80
p0 −36.68 ± 0.0816
pull
Entries 81
Mean −101.4
Std Dev 125.2

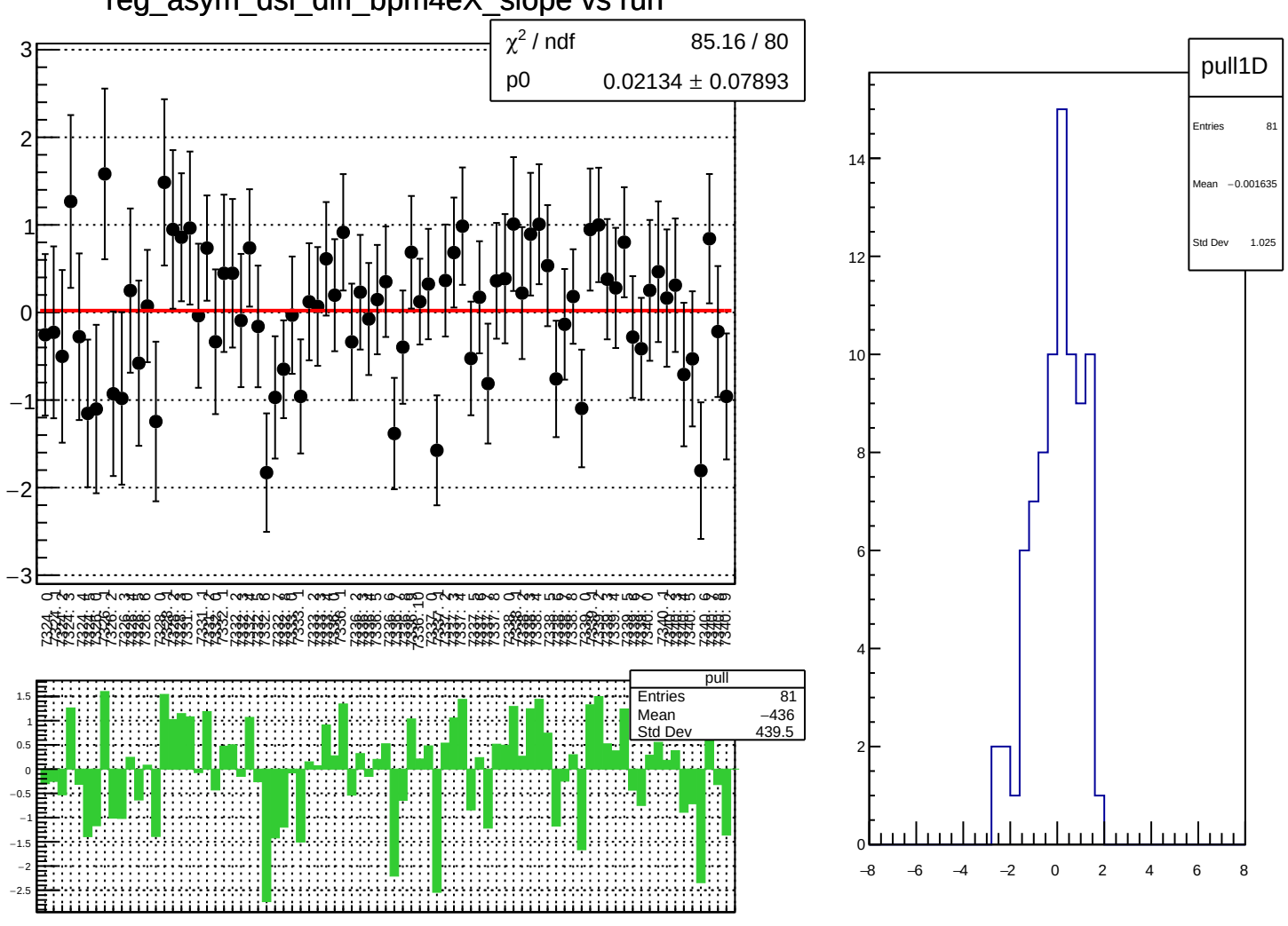

pull1D
Entries 81
Mean −0.00617
Std Dev 0.5444

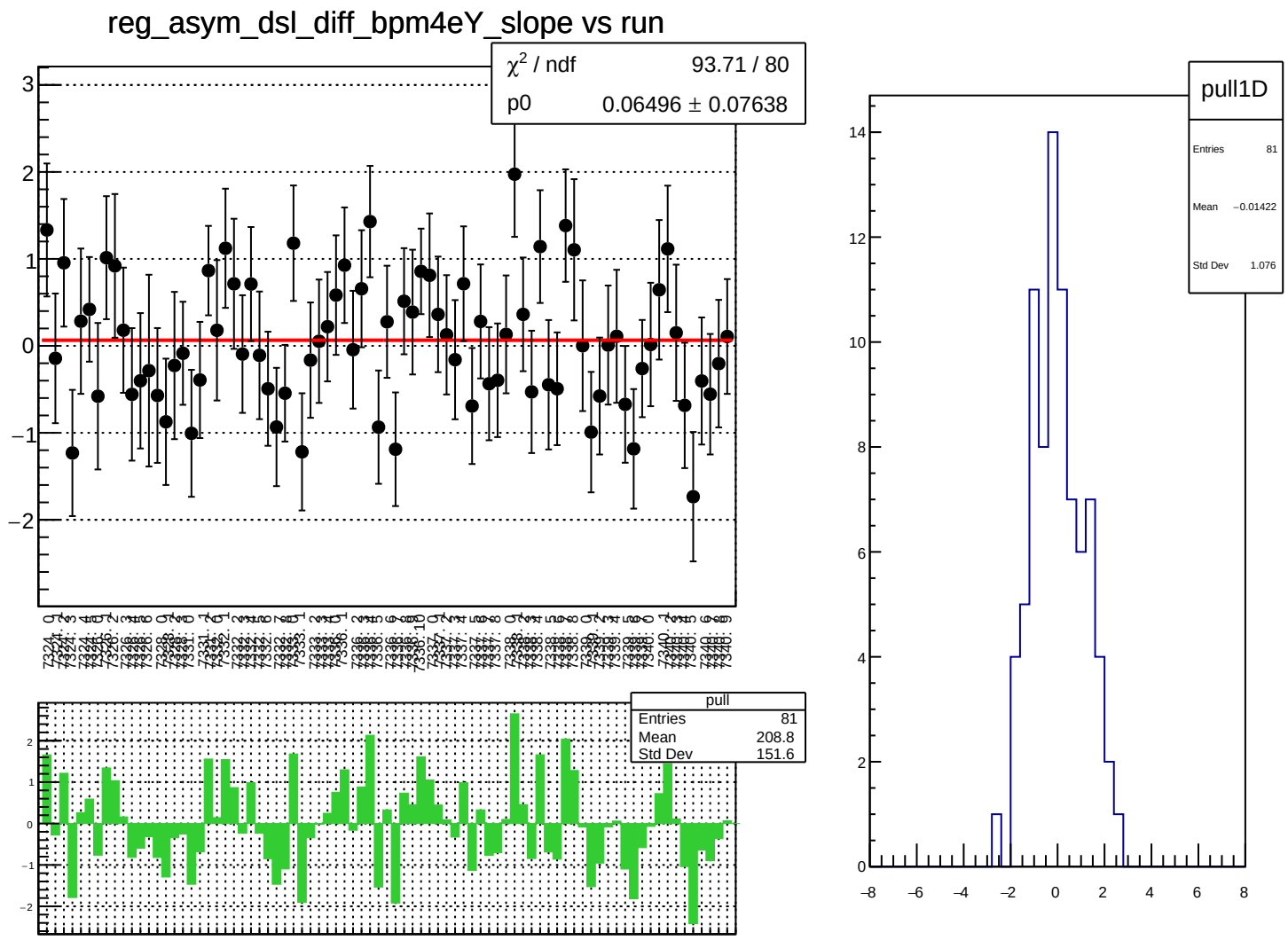

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 86.83 / 80
p0 −0.02847 ± 0.07955
pull
Entries 81
Mean 3568
Std Dev 3648

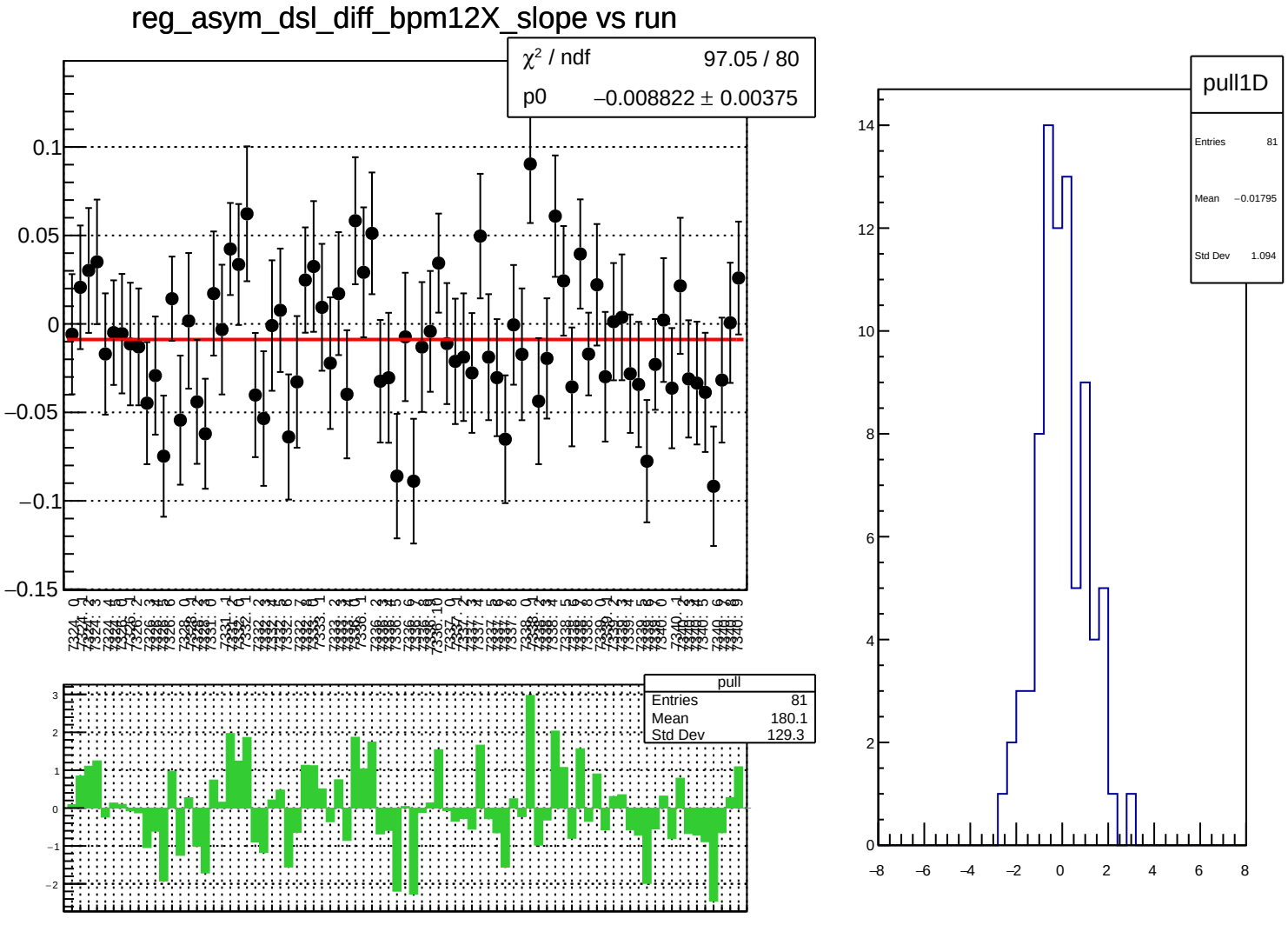

pull1D
Entries 81
Mean −5.553e−05
Std Dev 1.035

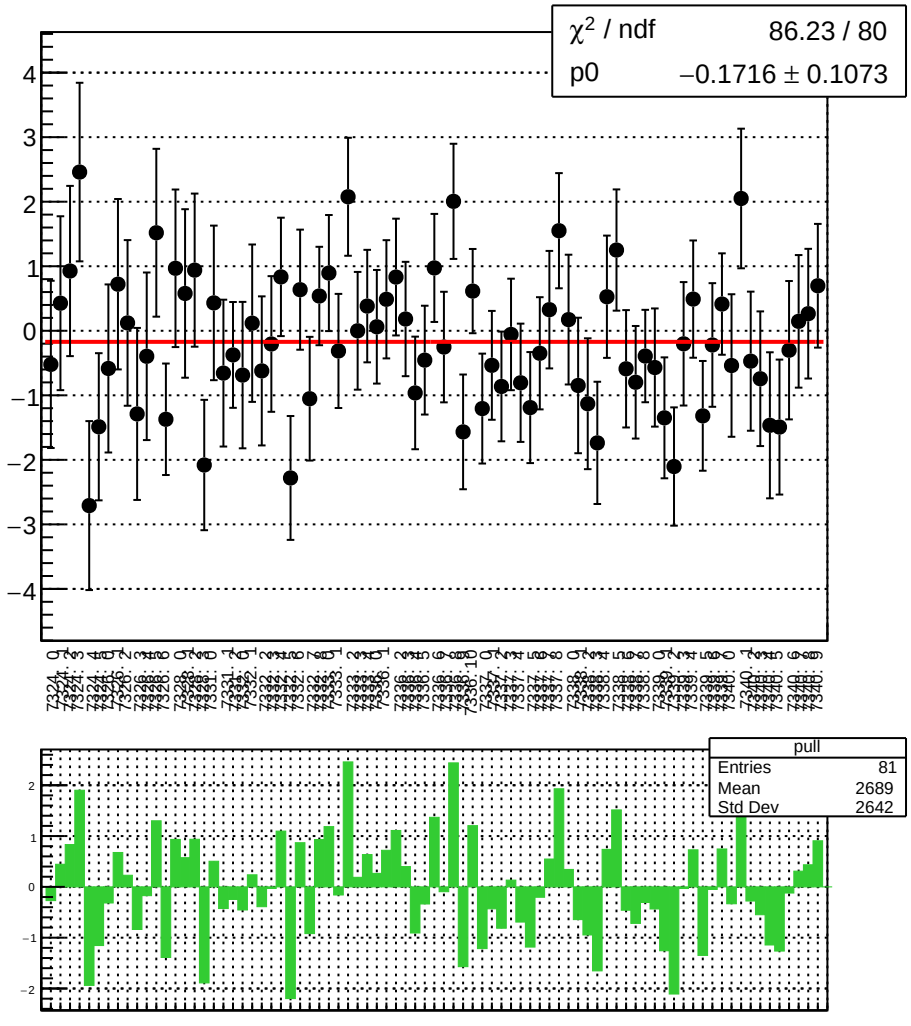

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 94.33 / 80
p0 −0.07357 ± 0.07253
pull
Entries 81
Mean 215.1
Std Dev 153.8

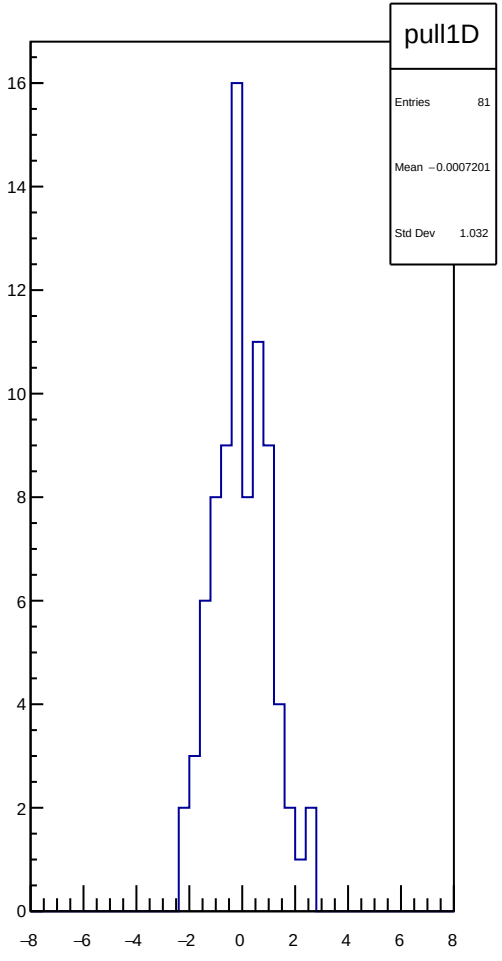

pull1D
Entries 81
Mean 0.01174
Std Dev 1.079

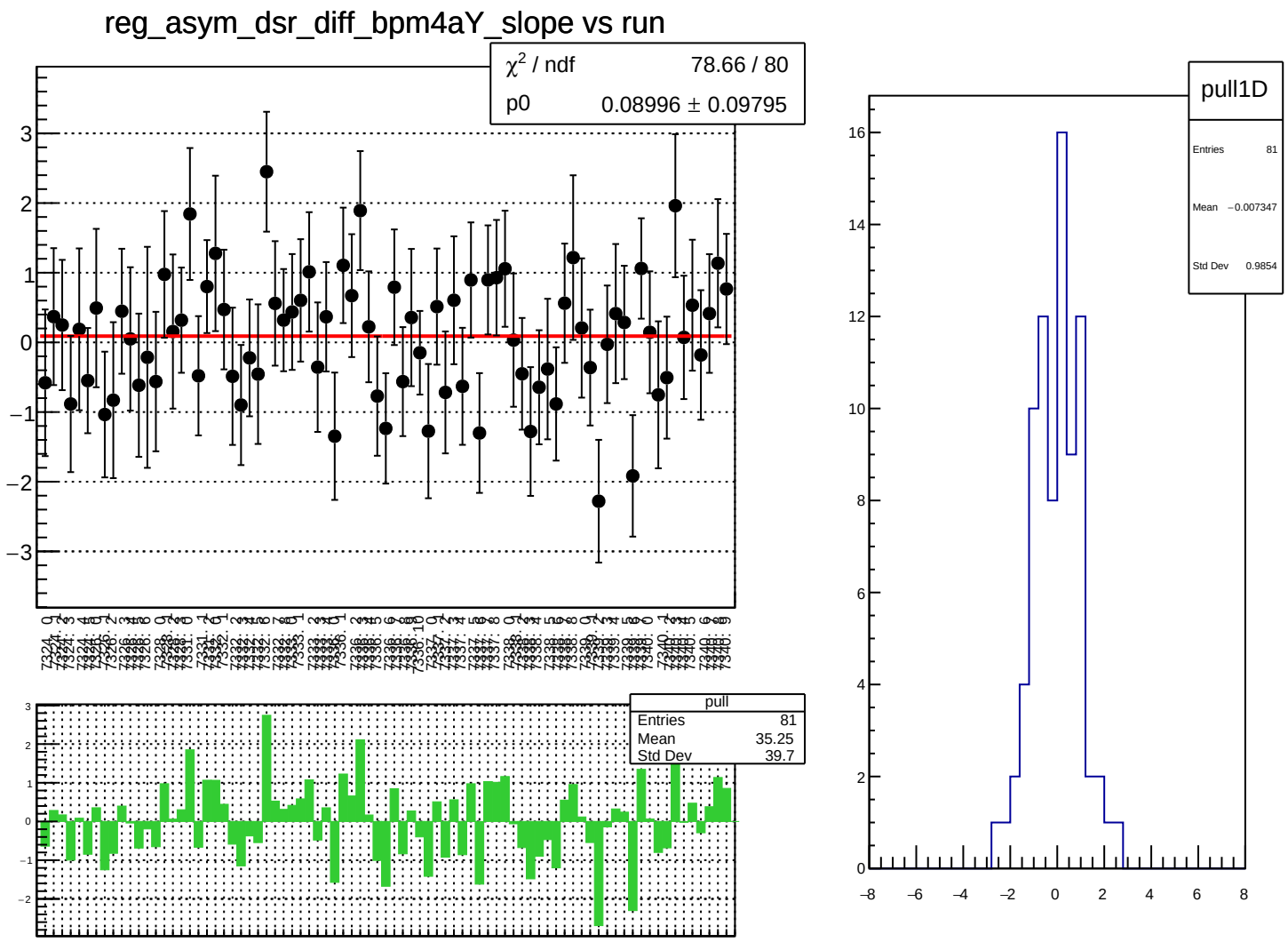

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 85.16 / 80
p0 0.02134 ± 0.07893
pull
Entries 81
Mean −436
Std Dev 439.5
pull1D
Entries 81
Mean −0.001635
Std Dev 1.025

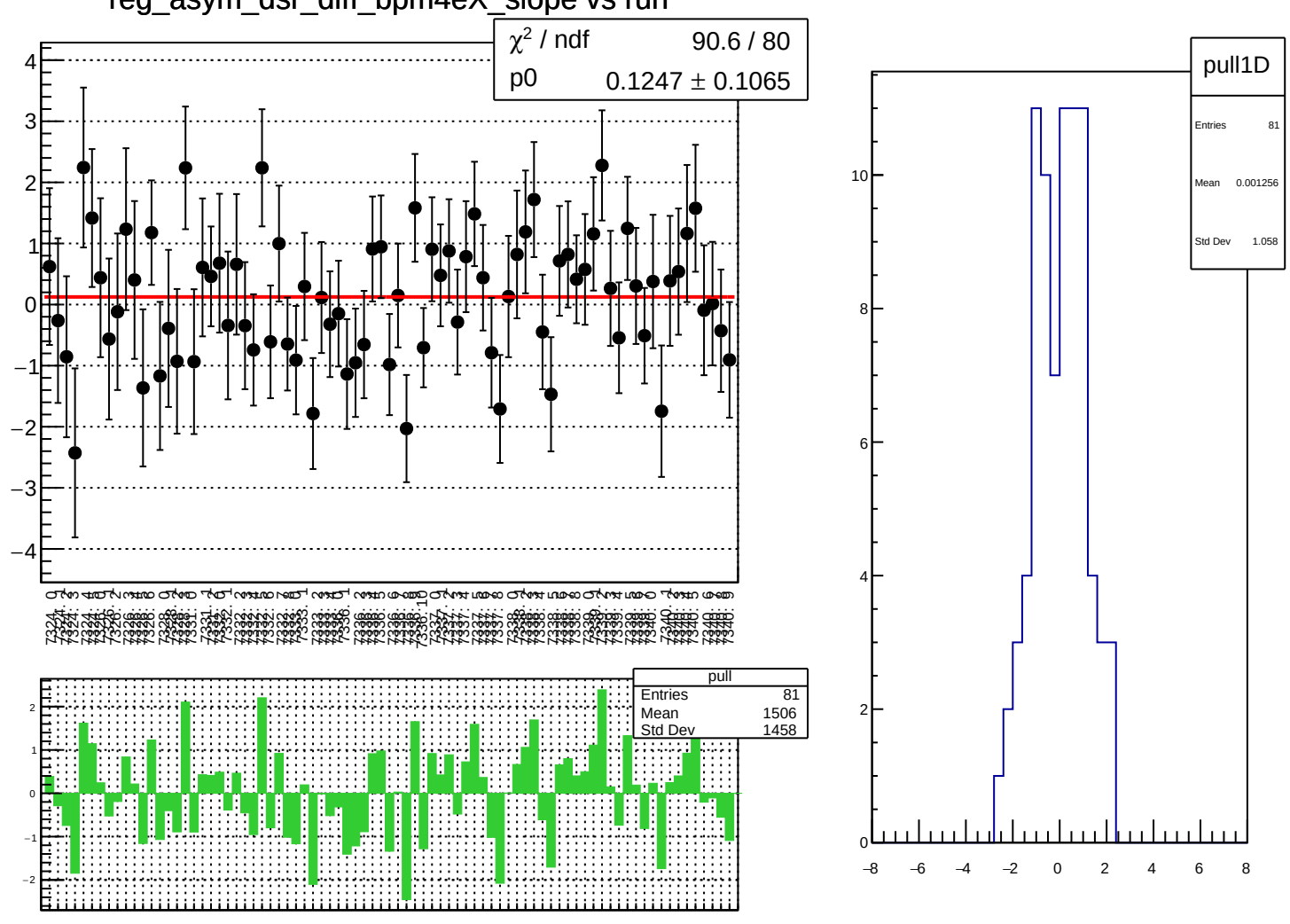

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 93.71 / 80
p0 0.06496 ± 0.07638
pull
Entries 81
Mean 208.8
Std Dev 151.6
pull1D
Entries 81
Mean −0.01422
Std Dev 1.076

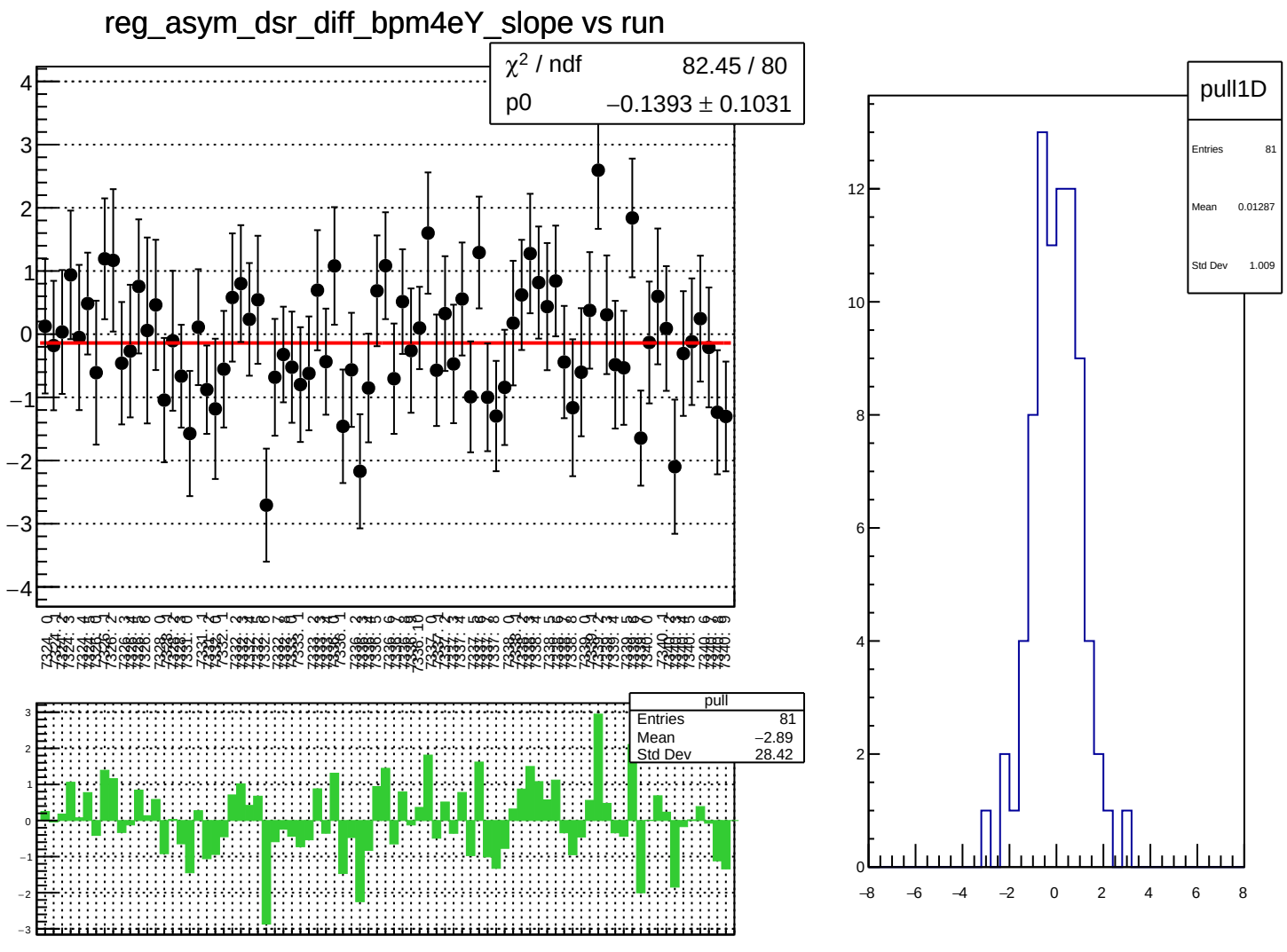

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 97.05 / 80
p0 −0.008822 ± 0.00375
pull
Entries 81
Mean 180.1
Std Dev 129.3
pull1D
Entries 81
Mean −0.01795
Std Dev 1.094

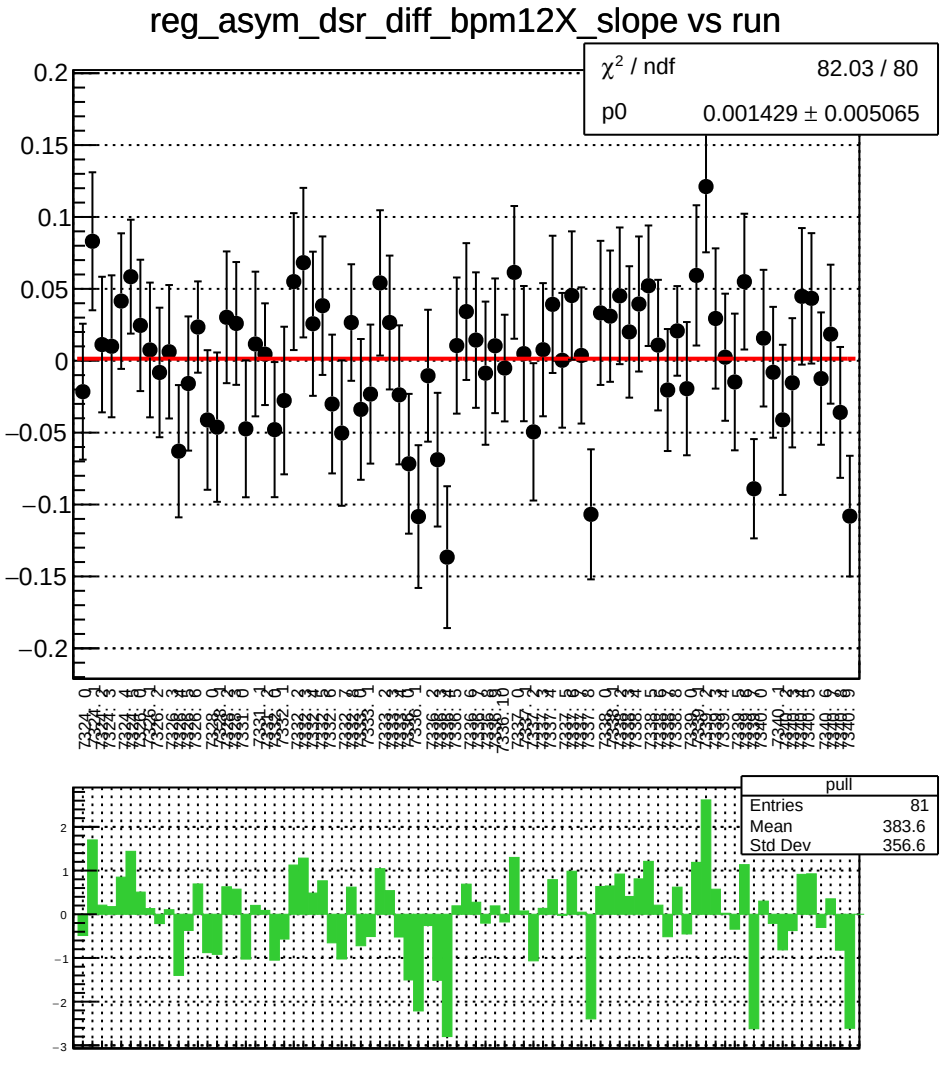

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 86.23 / 80
p0 −0.1716 ± 0.1073
pull
Entries 81
Mean 2689
Std Dev 2642

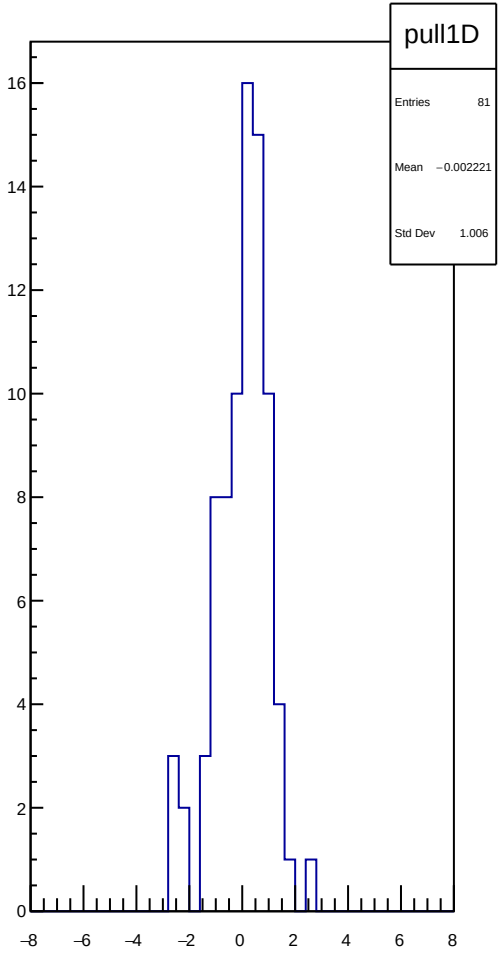

pull1D
Entries 81
Mean −0.0007201
Std Dev 1.032

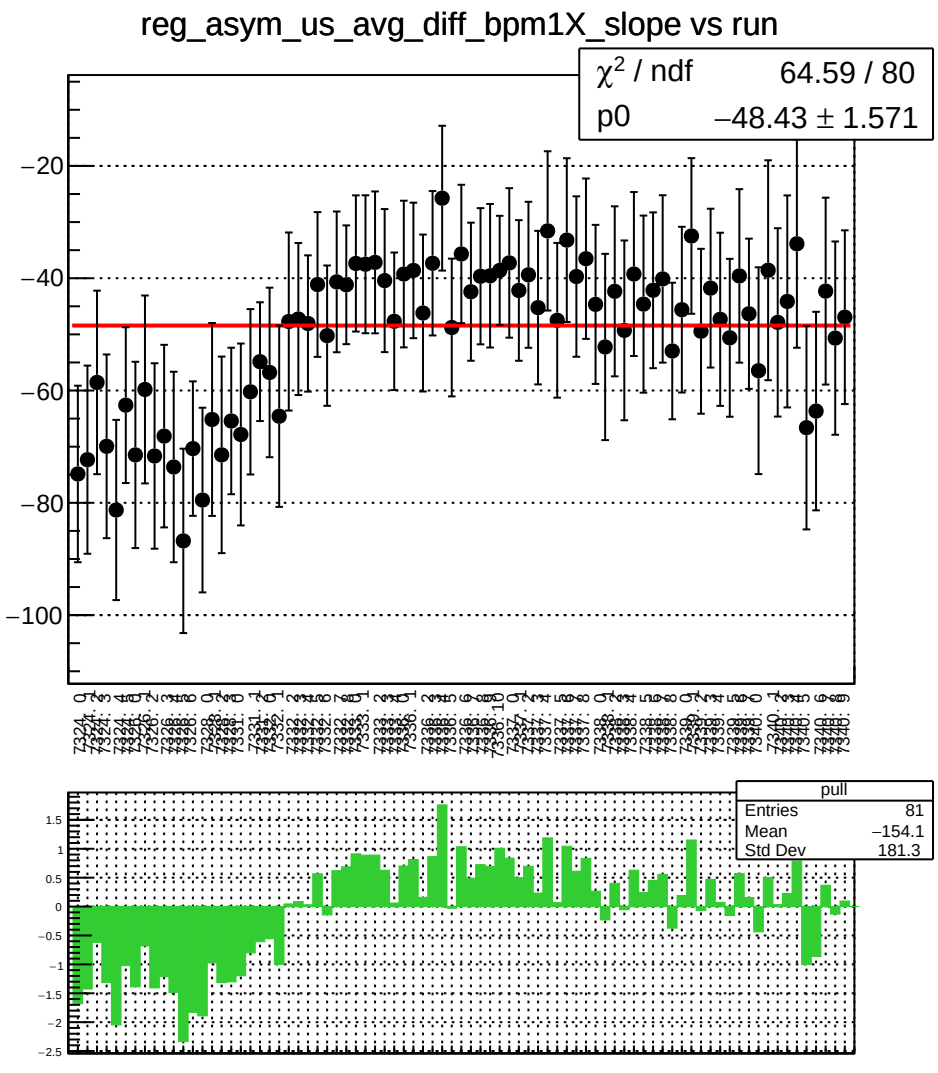

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 78.66 / 80
p0 0.08996 ± 0.09795
pull
Entries 81
Mean 35.25
Std Dev 39.7
pull1D
Entries 81
Mean −0.007347
Std Dev 0.9854

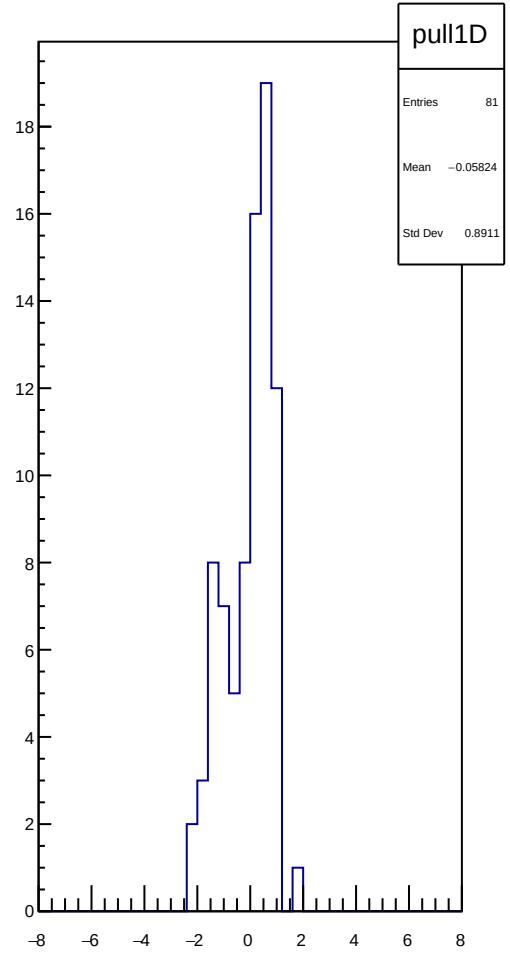

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 90.6 / 80
p0 0.1247 ± 0.1065
pull
Entries 81
Mean 1506
Std Dev 1458
pull1D
Entries 81
Mean 0.001256
Std Dev 1.058

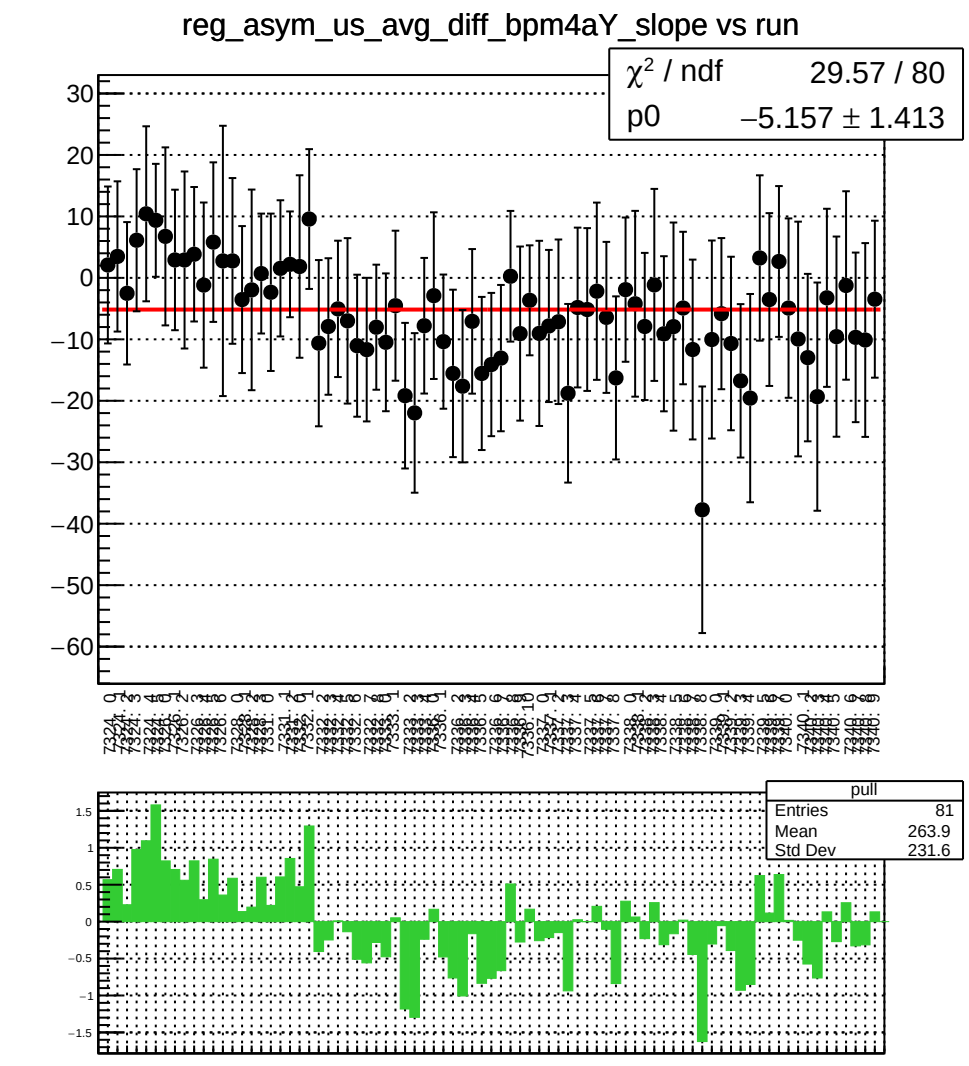

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 82.45 / 80
p0 −0.1393 ± 0.1031
pull
Entries 81
Mean −2.89
Std Dev 28.42
pull1D
Entries 81
Mean 0.01287
Std Dev 1.009

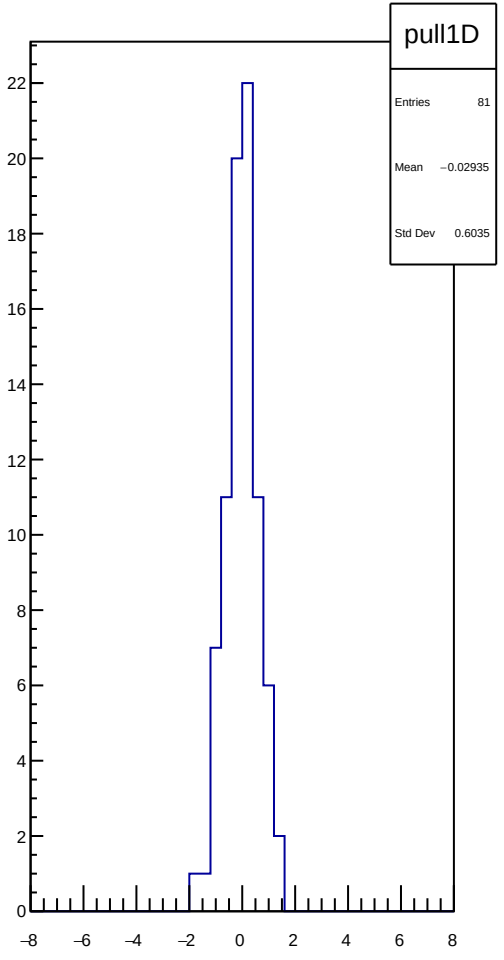

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 82.03 / 80
p0 0.001429 ± 0.005065
pull
Entries 81
Mean 383.6
Std Dev 356.6

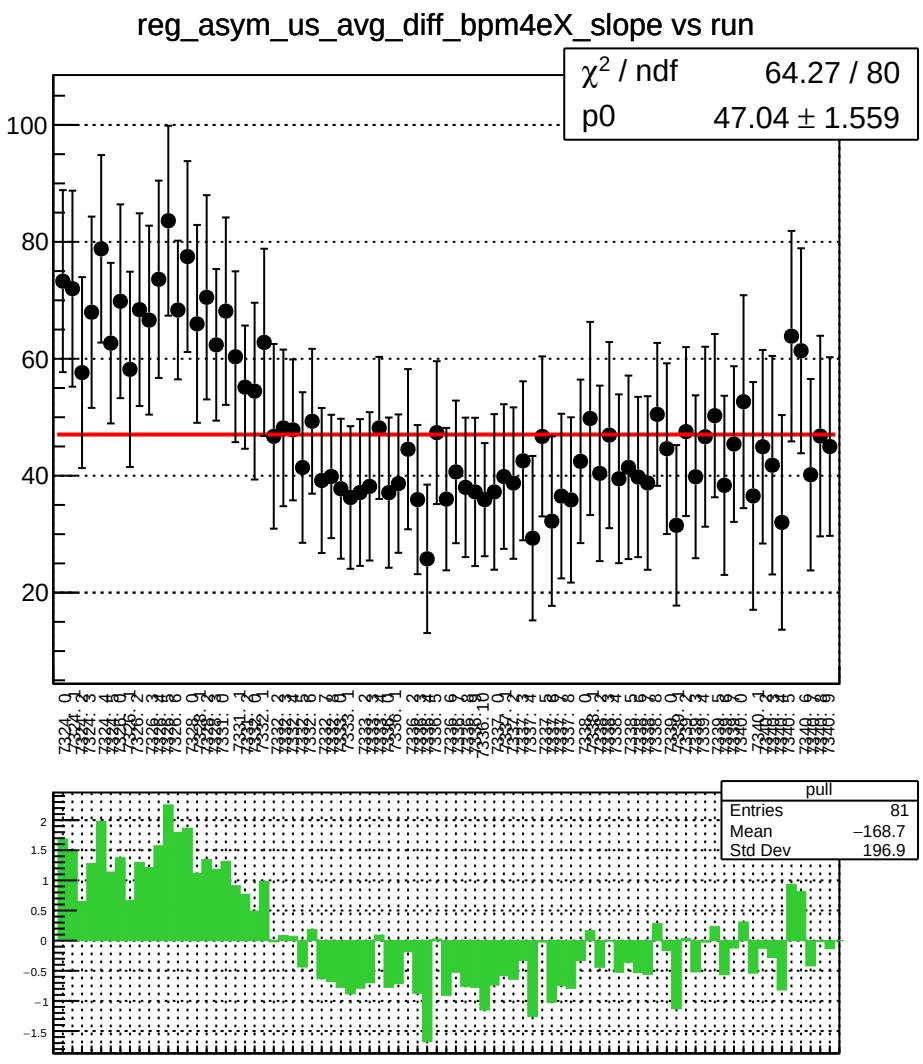

pull1D
Entries 81
Mean −0.002221
Std Dev 1.006

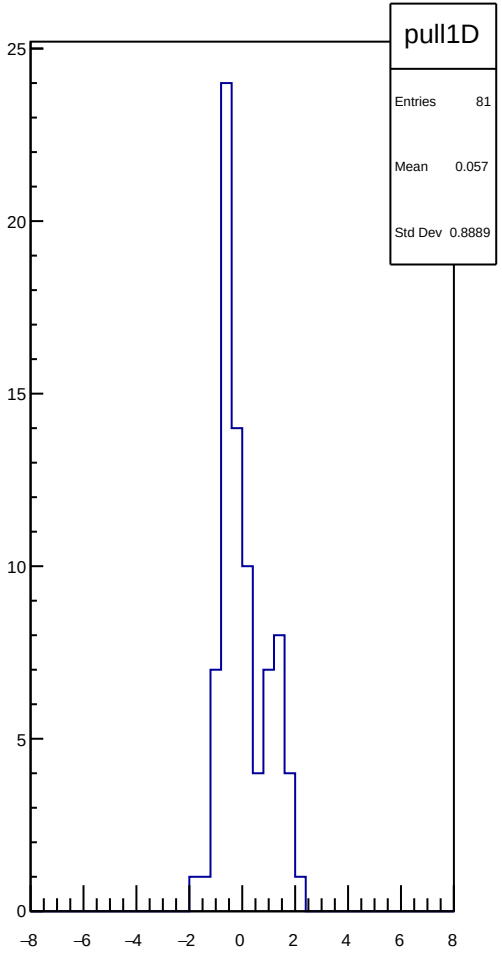

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 64.59 / 80
p0 −48.43 ± 1.571
pull
Entries 81
Mean −154.1
Std Dev 181.3

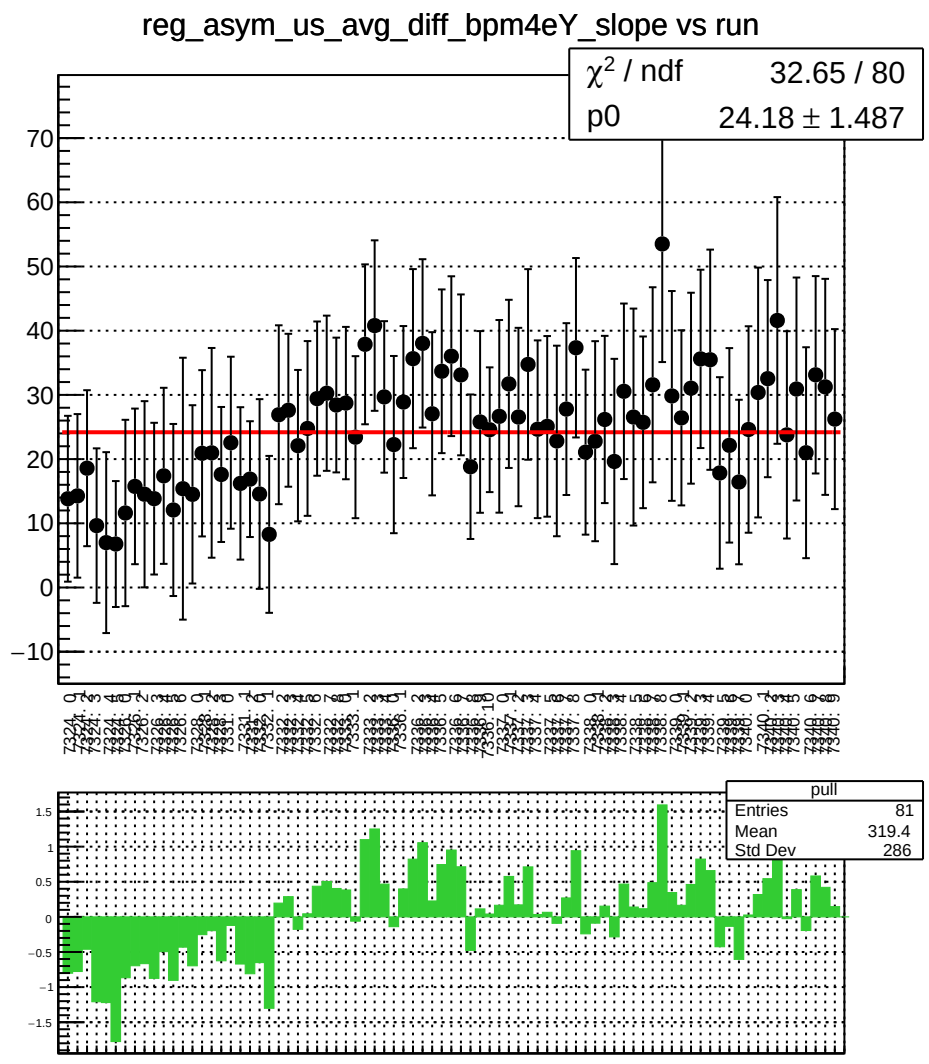

pull1D
Entries 81
Mean −0.05824
Std Dev 0.8911

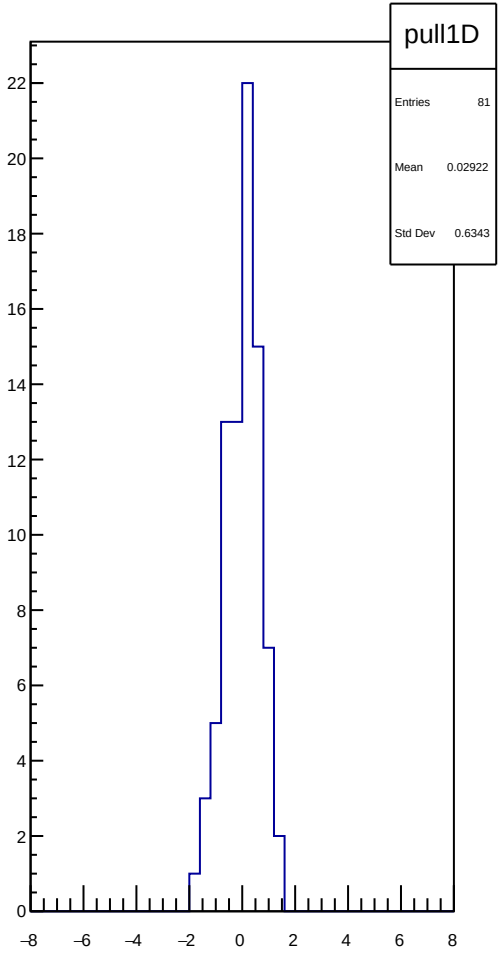

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.57 / 80
p0 −5.157 ± 1.413
pull
Entries 81
Mean 263.9
Std Dev 231.6

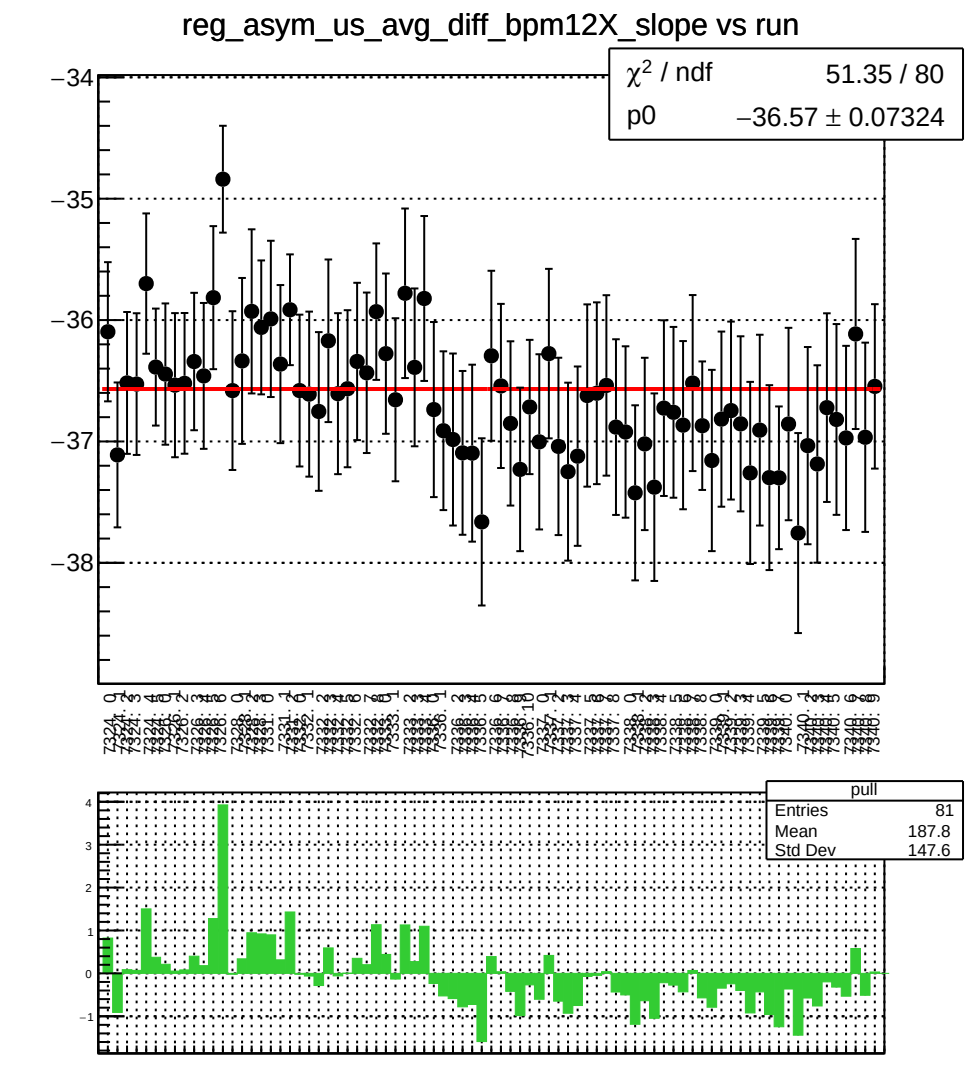

pull1D
Entries 81
Mean −0.02935
Std Dev 0.6035

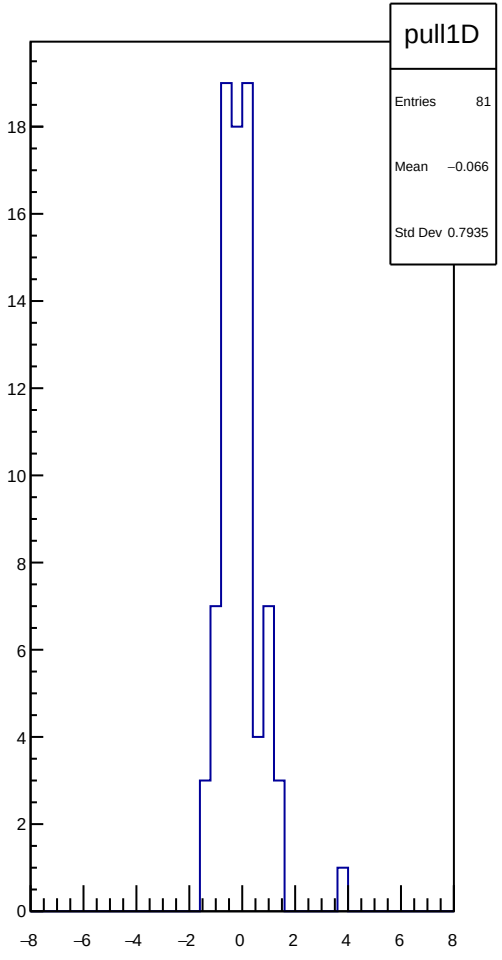

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.27 / 80
p0 47.04 ± 1.559
pull
Entries 81
Mean −168.7
Std Dev 196.9

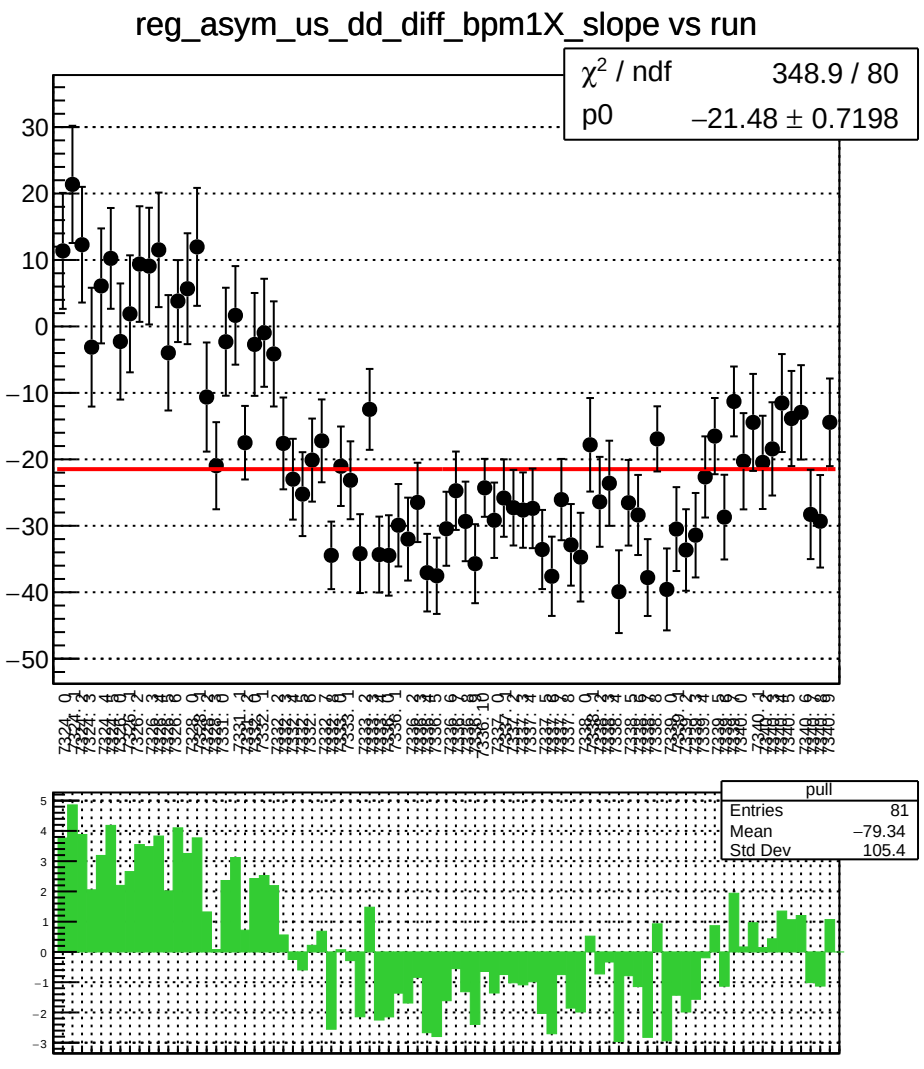

pull1D
Entries 81
Mean 0.057
Std Dev 0.8889

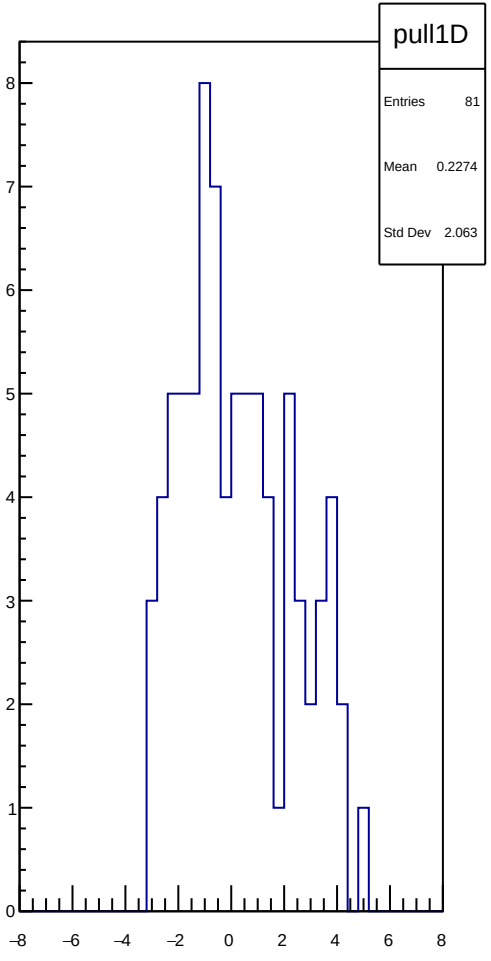

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.65 / 80
p0 24.18 ± 1.487
pull
Entries 81
Mean 319.4
Std Dev 286

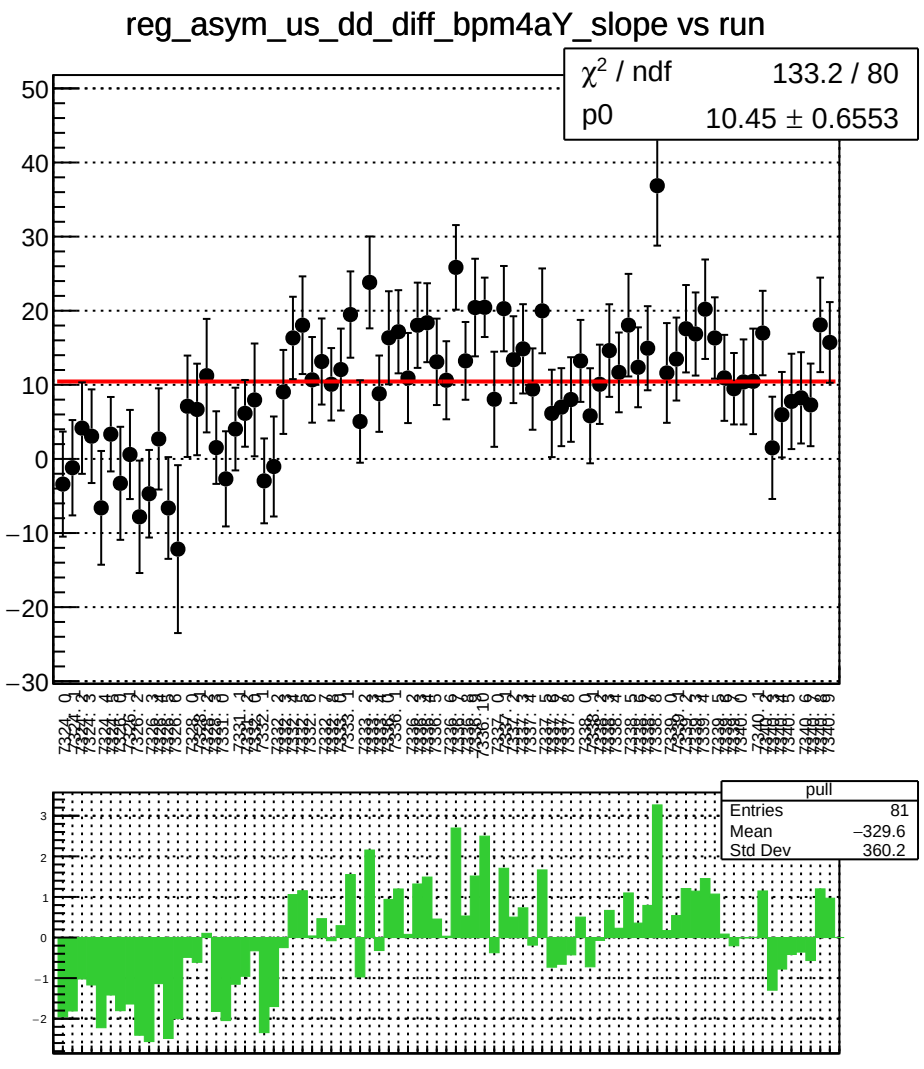

pull1D
Entries 81
Mean 0.02922
Std Dev 0.6343

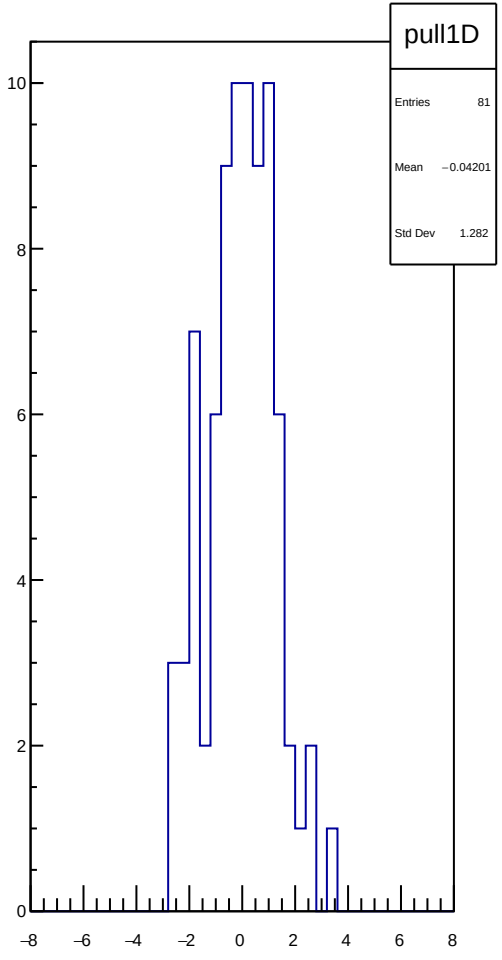

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 51.35 / 80
p0 −36.57 ± 0.07324
pull
Entries 81
Mean 187.8
Std Dev 147.6

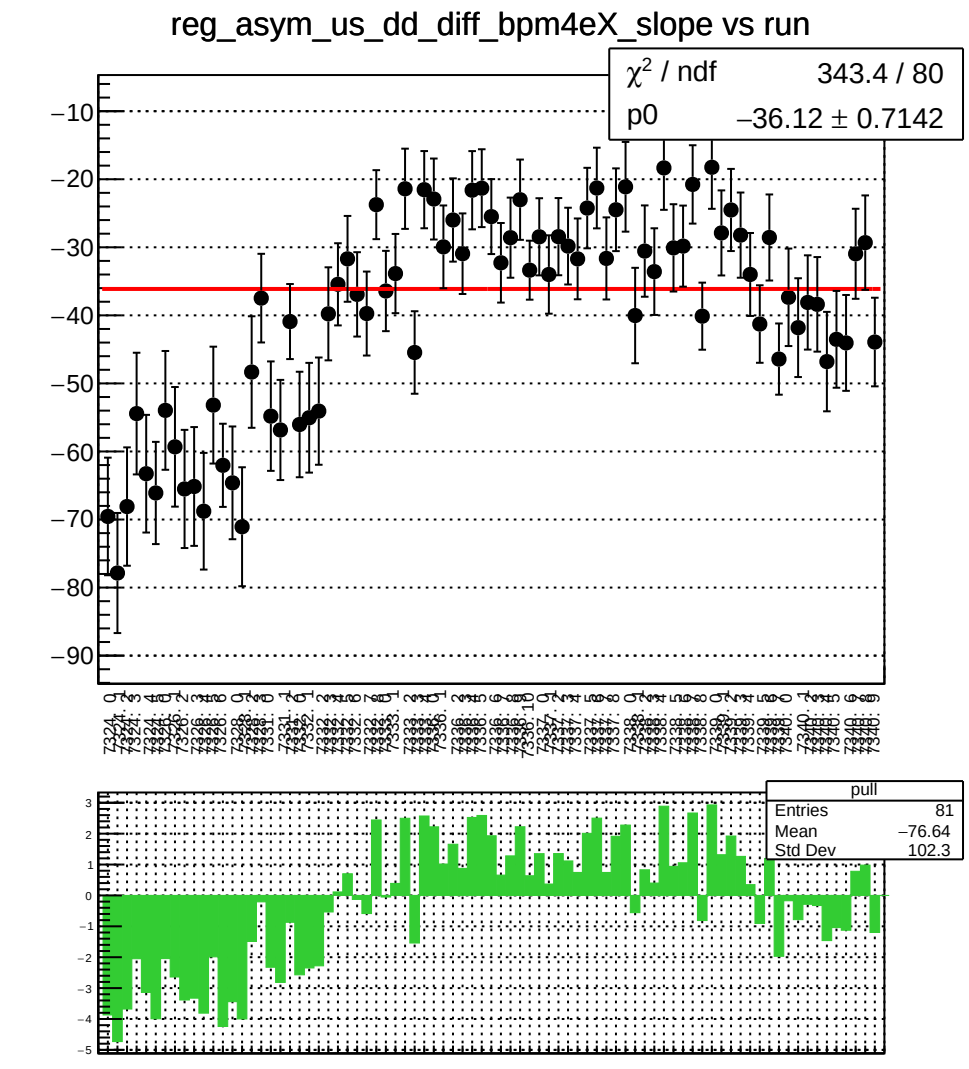

pull1D
Entries 81
Mean −0.066
Std Dev 0.7935

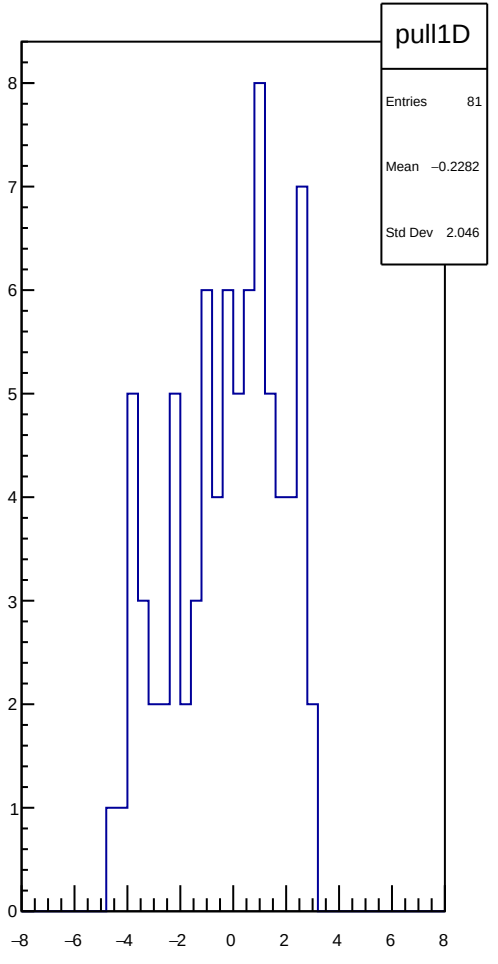

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 348.9 / 80
p0 −21.48 ± 0.7198
pull
Entries 81
Mean −79.34
Std Dev 105.4

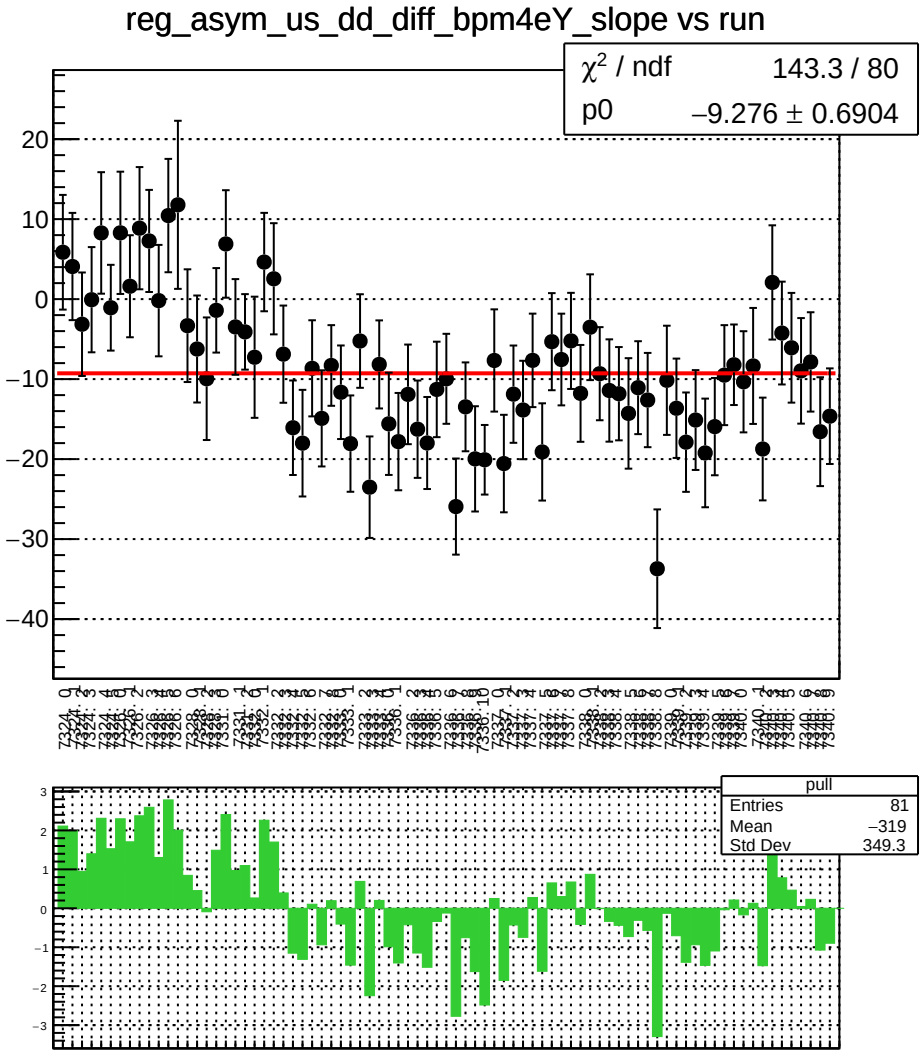

pull1D
Entries 81
Mean 0.2274
Std Dev 2.063

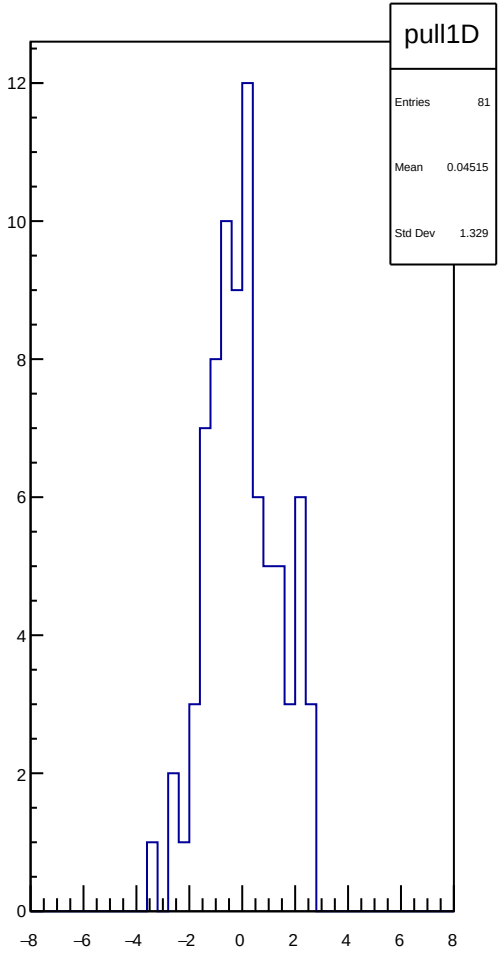

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 133.2 / 80
p0 10.45 ± 0.6553
pull
Entries 81
Mean −329.6
Std Dev 360.2

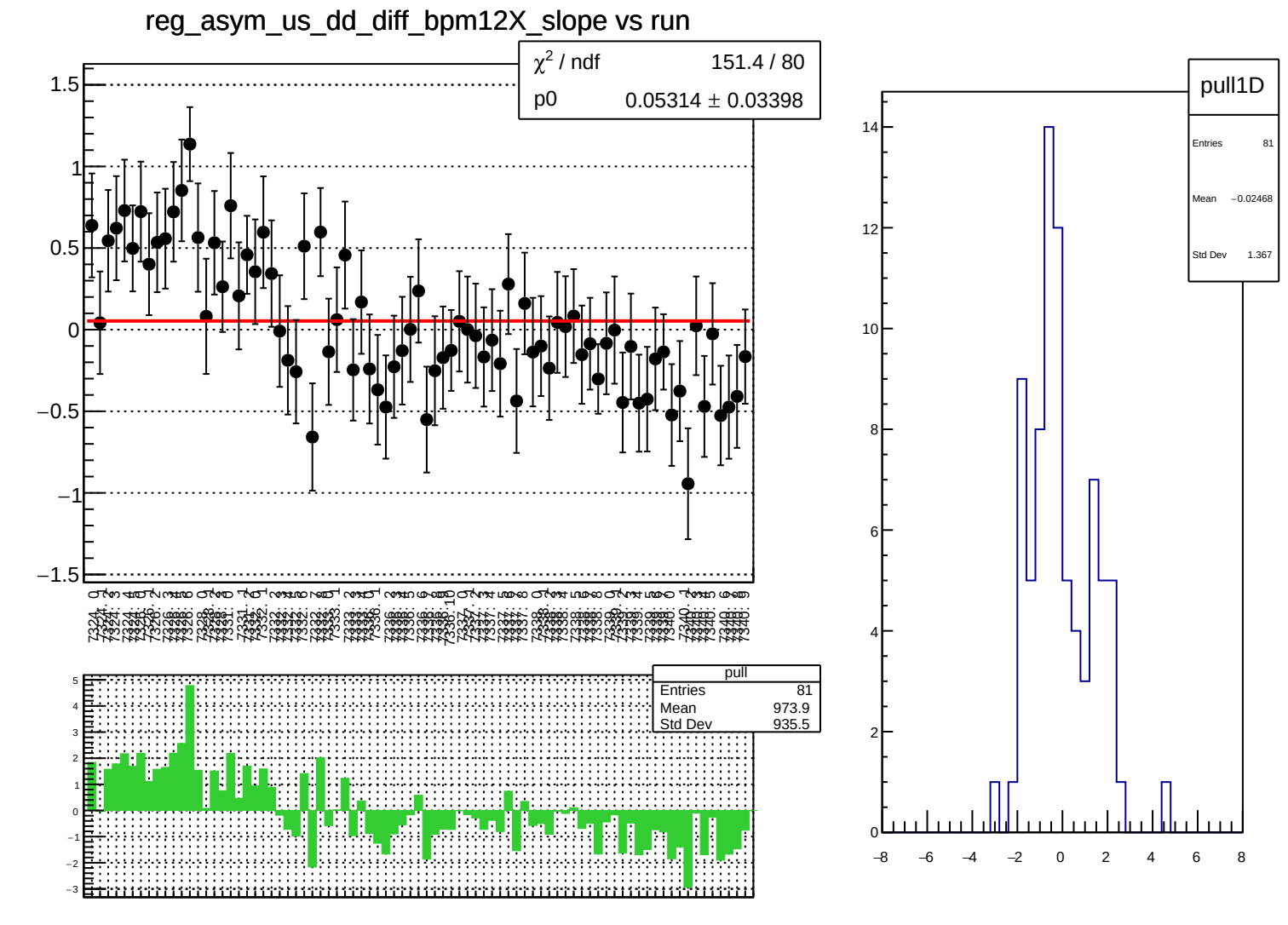

pull1D
Entries 81
Mean −0.04201
Std Dev 1.282

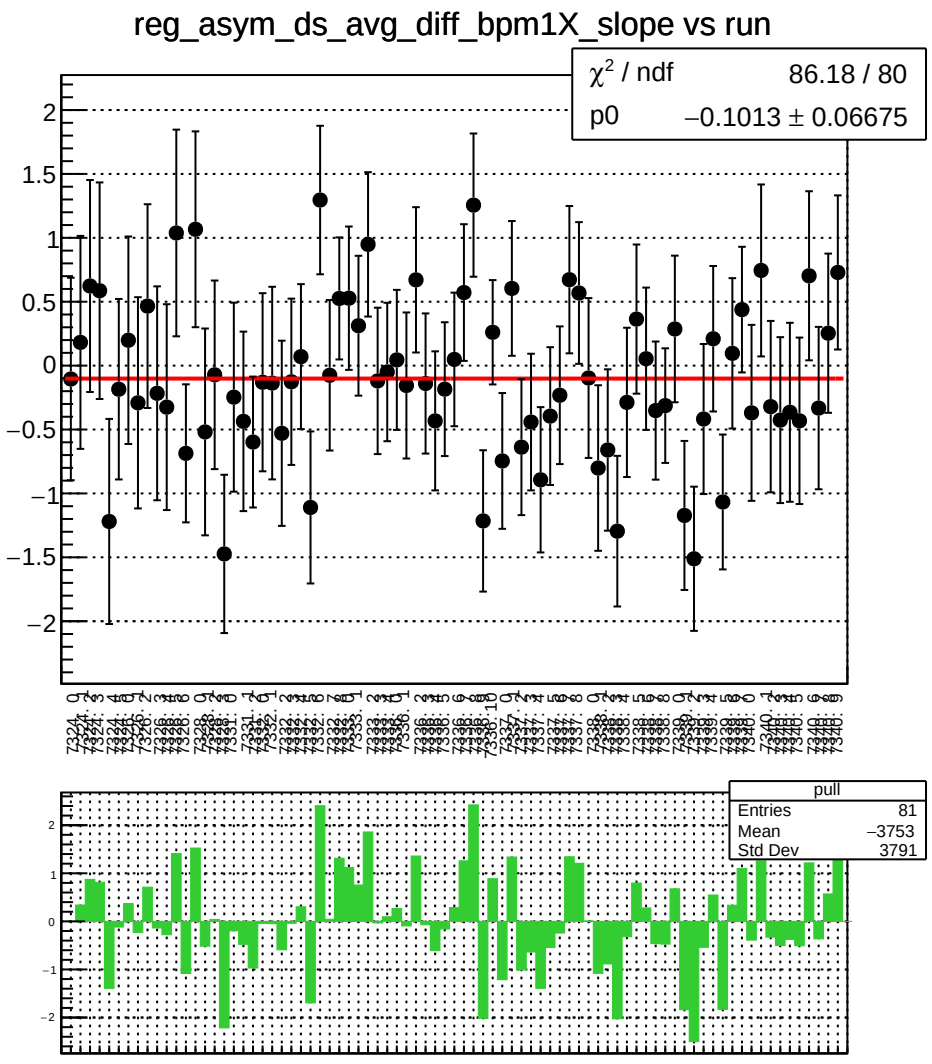

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 343.4 / 80
p0 −36.12 ± 0.7142
pull
Entries 81
Mean −76.64
Std Dev 102.3

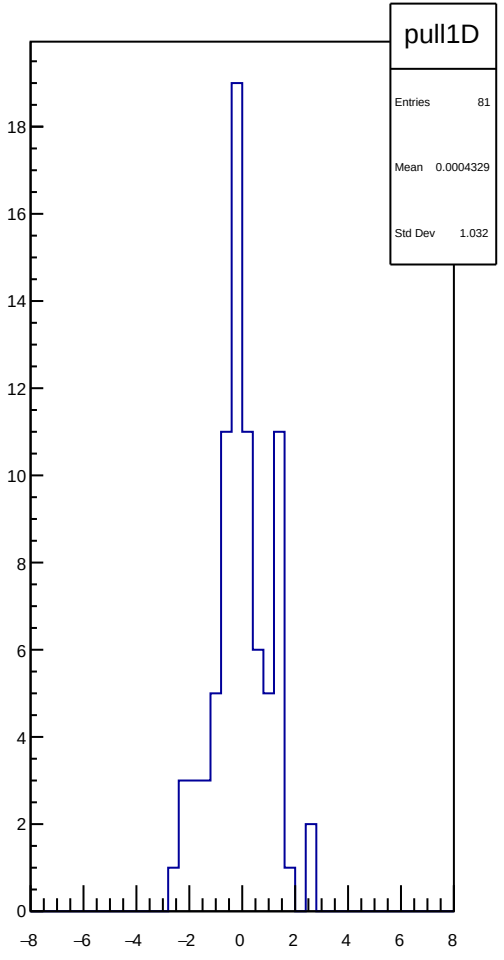

pull1D
Entries 81
Mean −0.2282
Std Dev 2.046

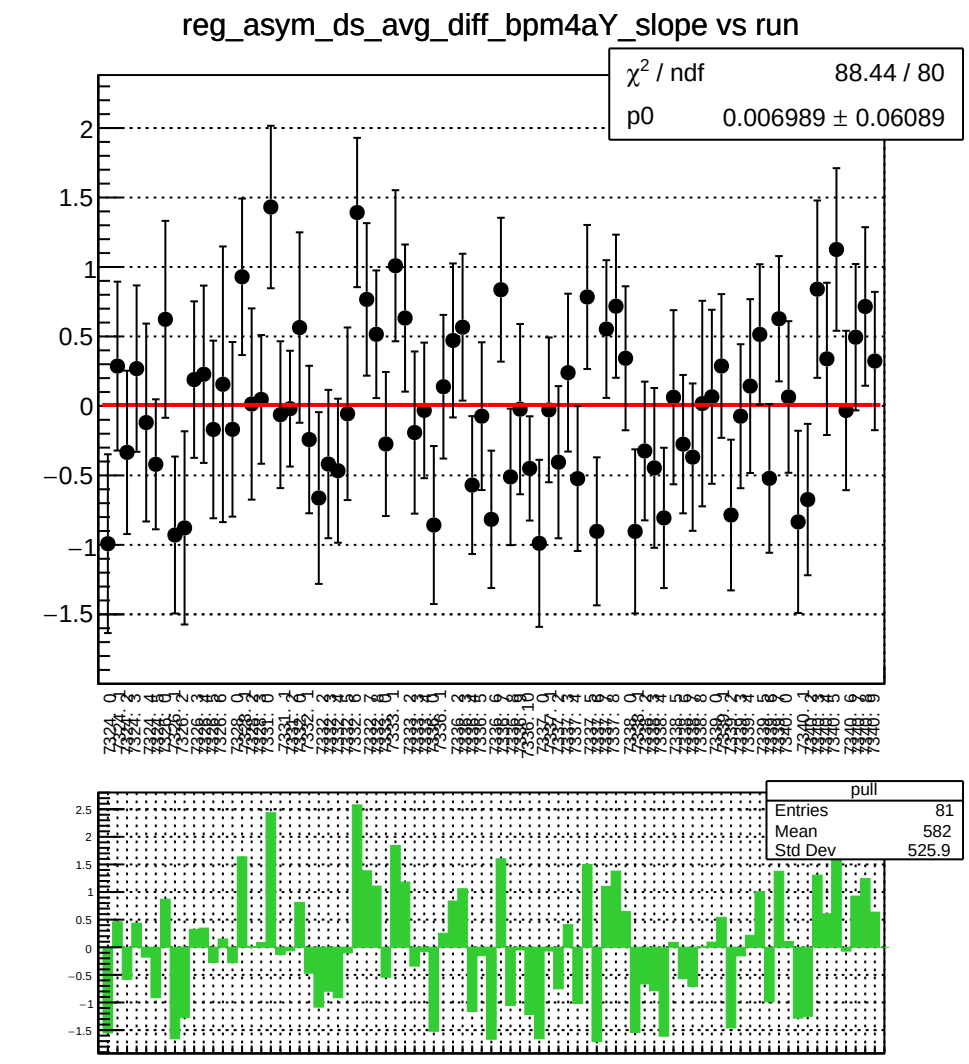

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 143.3 / 80
p0 −9.276 ± 0.6904
pull
Entries 81
Mean −319
Std Dev 349.3

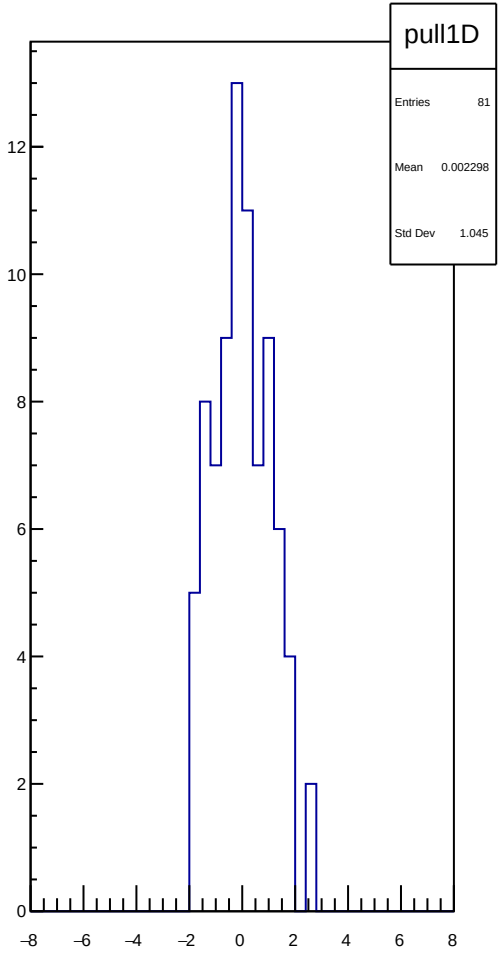

pull1D
Entries 81
Mean 0.04515
Std Dev 1.329

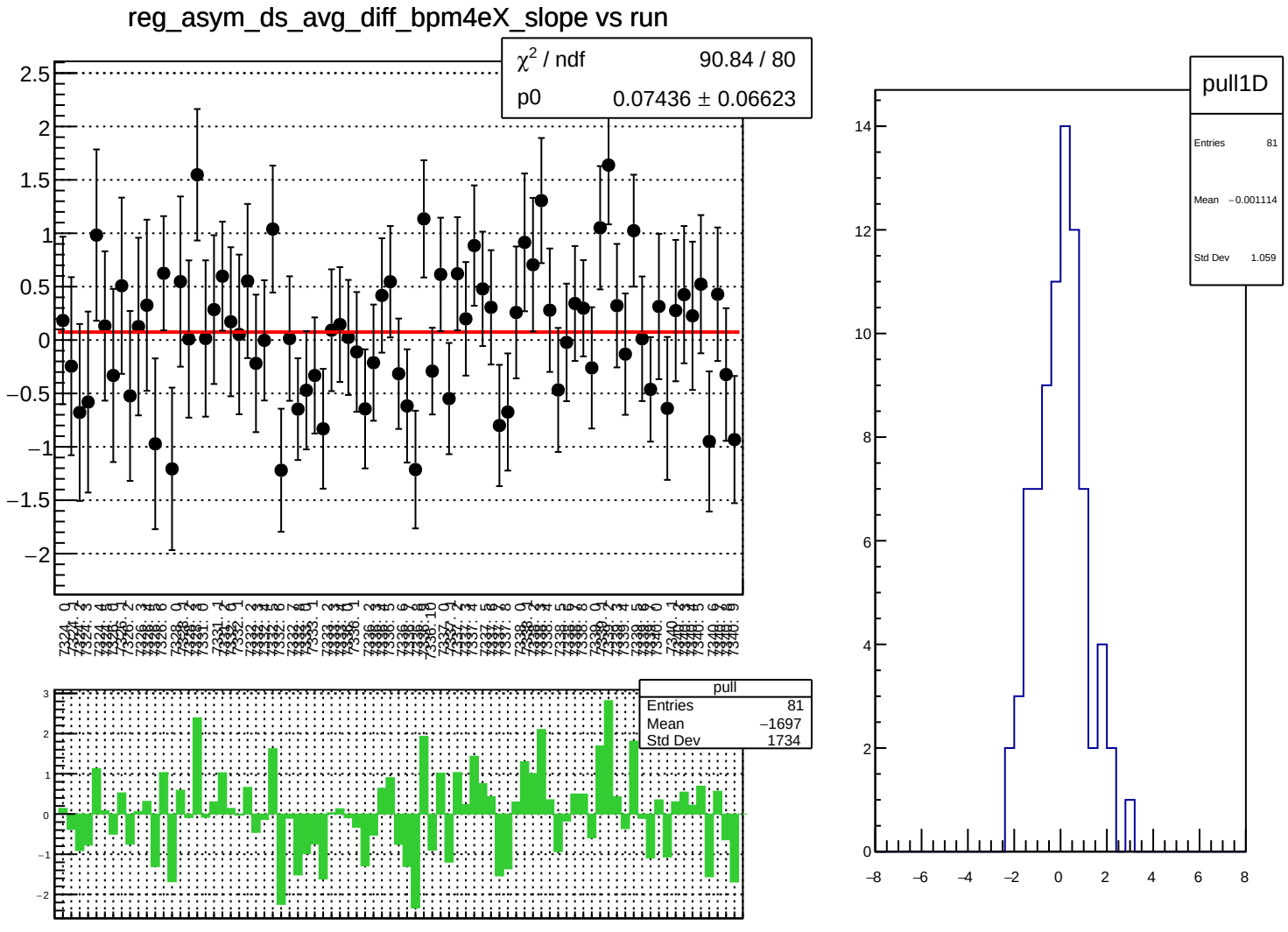

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 151.4 / 80
p0 0.05314 ± 0.03398
pull
Entries 81
Mean 973.9
Std Dev 935.5
pull1D
Entries 81
Mean −0.02468
Std Dev 1.367

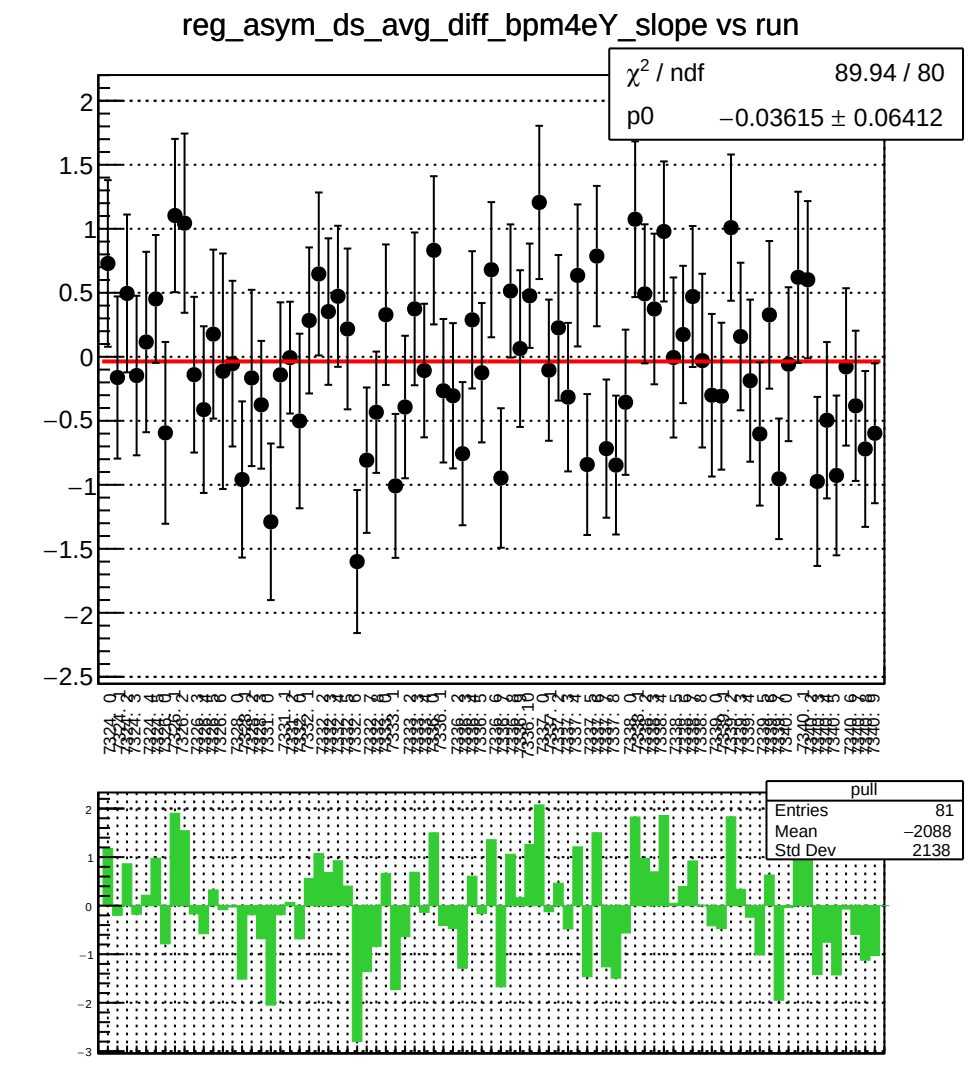

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 86.18 / 80
p0 −0.1013 ± 0.06675
pull
Entries 81
Mean −3753
Std Dev 3791

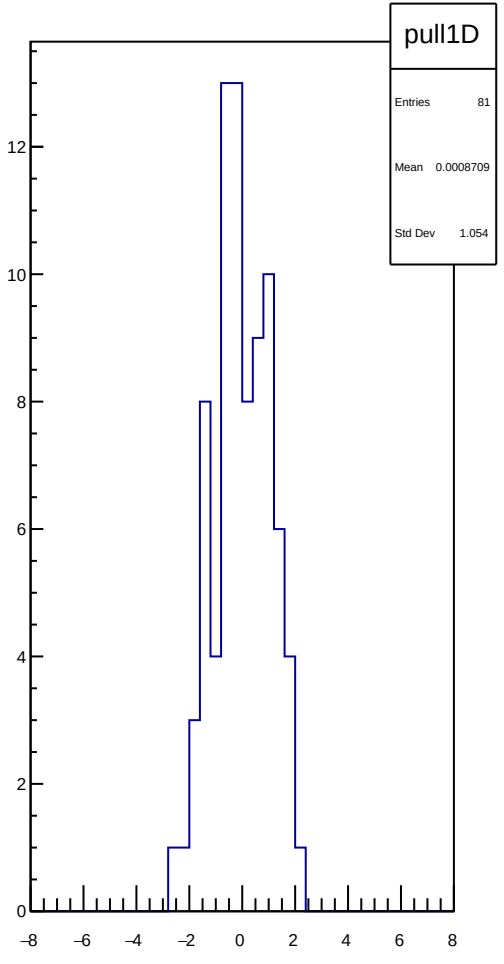

pull1D
Entries 81
Mean 0.0004329
Std Dev 1.032

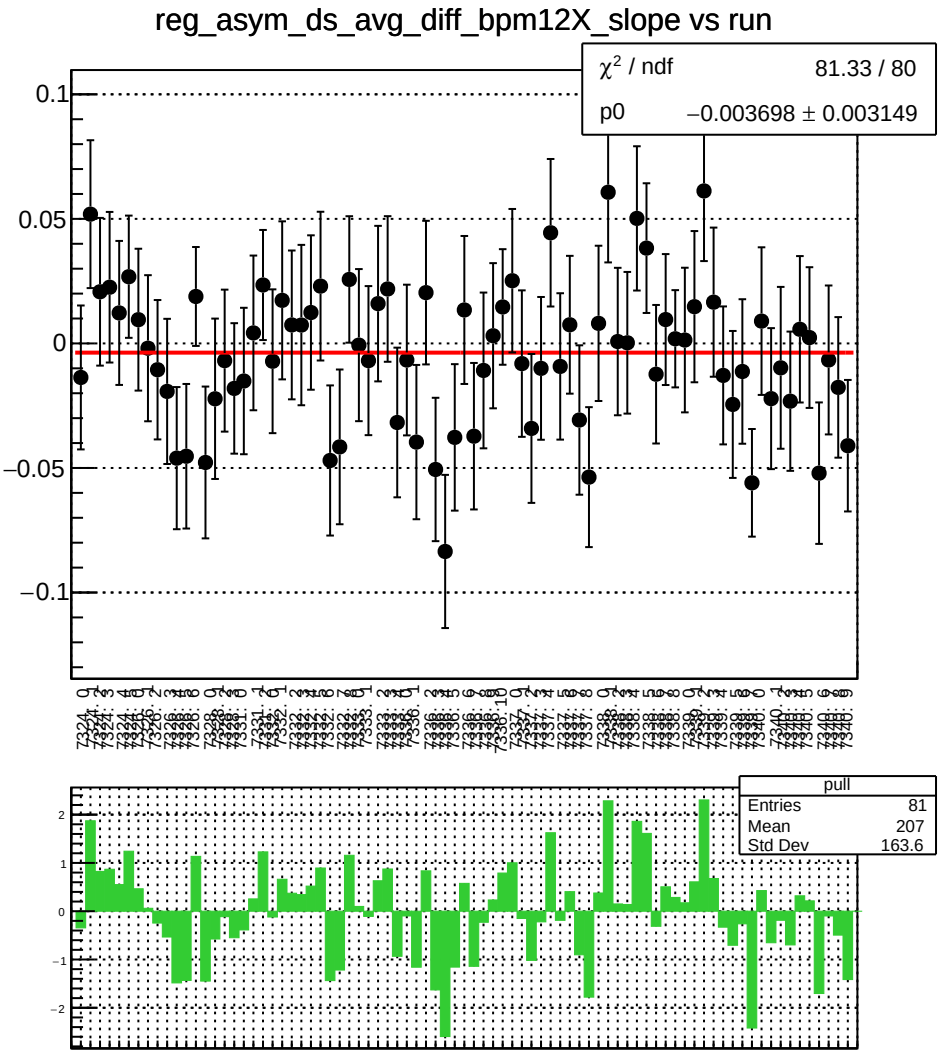

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.44 / 80
p0 0.006989 ± 0.06089
pull
Entries 81
Mean 582
Std Dev 525.9

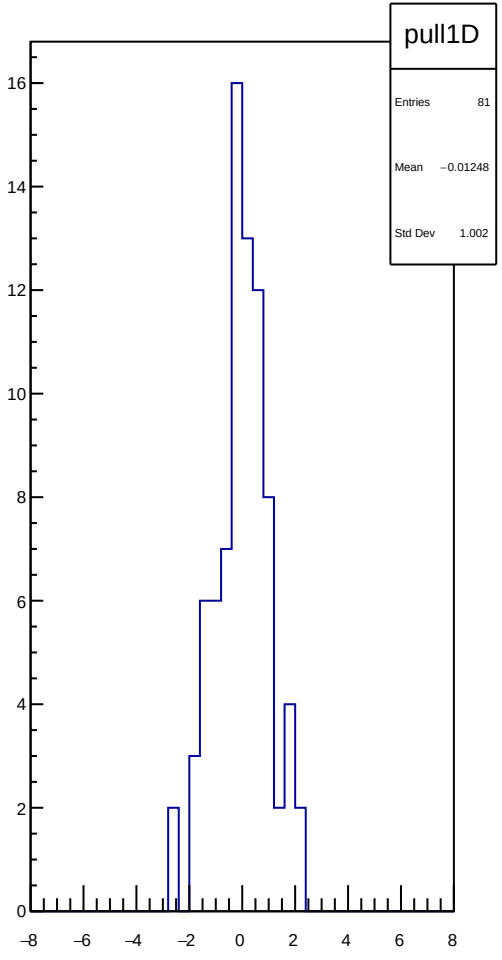

pull1D
Entries 81
Mean 0.002298
Std Dev 1.045

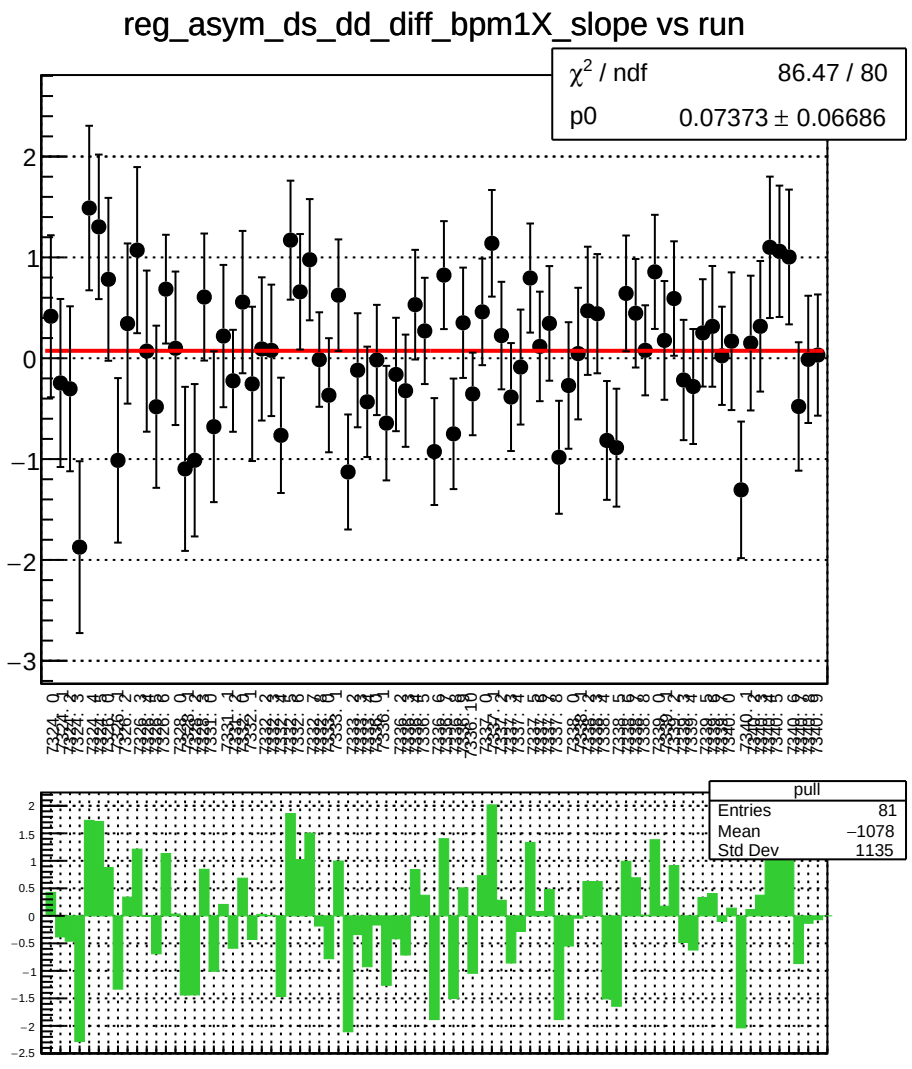

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.84 / 80
p0 0.07436 ± 0.06623
pull
Entries 81
Mean −1697
Std Dev 1734
pull1D
Entries 81
Mean −0.001114
Std Dev 1.059

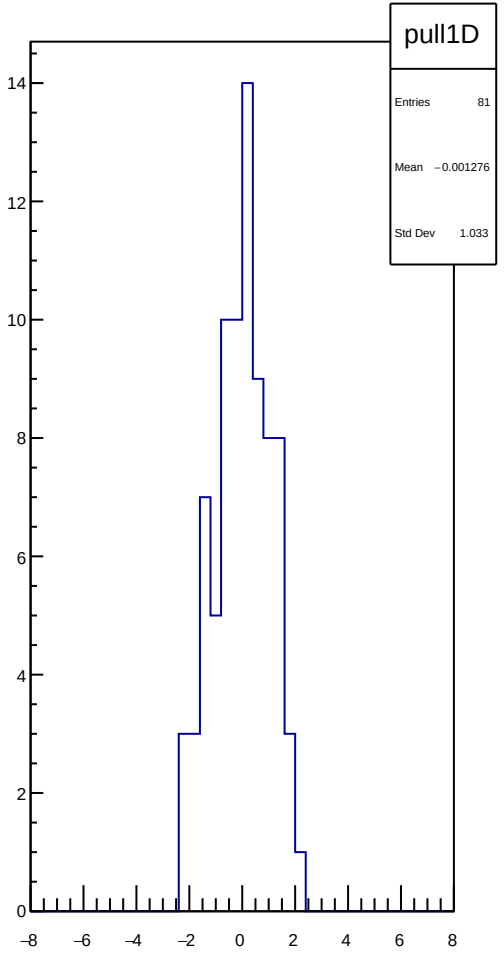

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.94 / 80
p0 −0.03615 ± 0.06412
pull
Entries 81
Mean −2088
Std Dev 2138

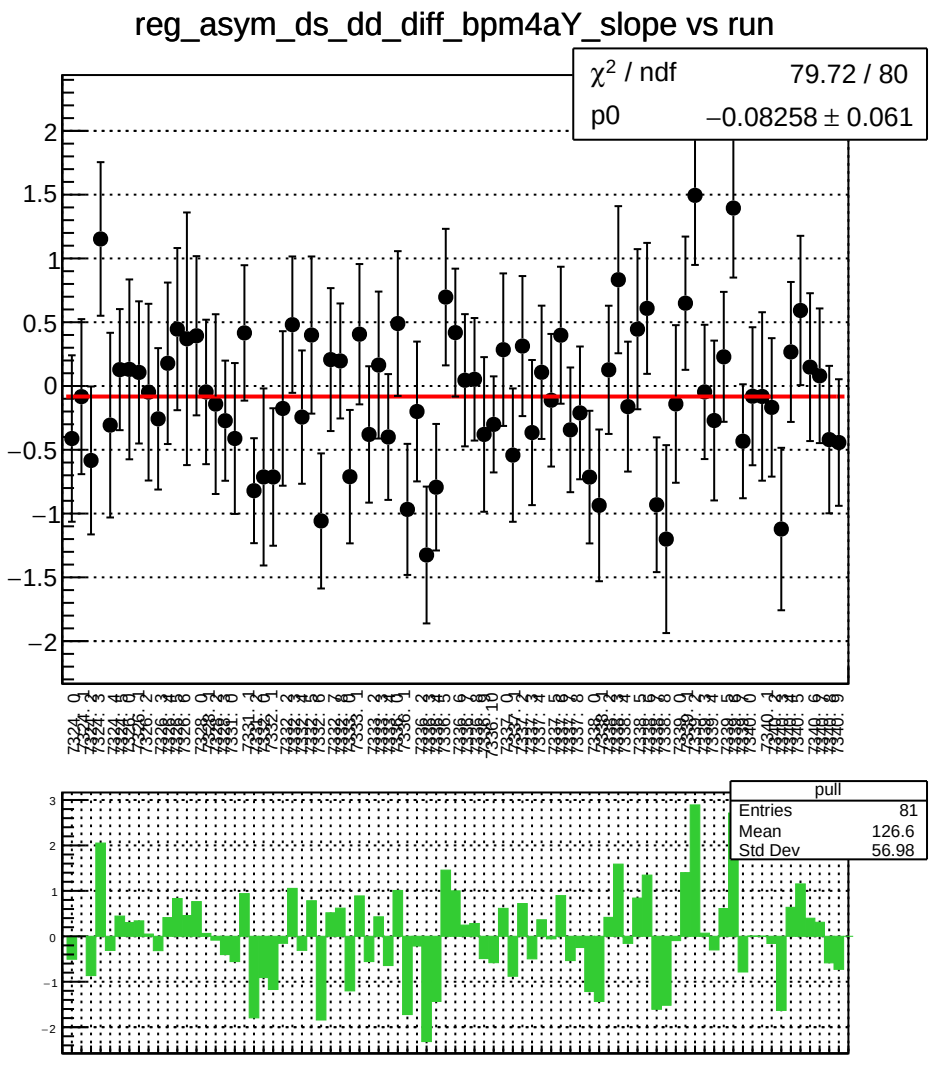

pull1D
Entries 81
Mean 0.0008709
Std Dev 1.054

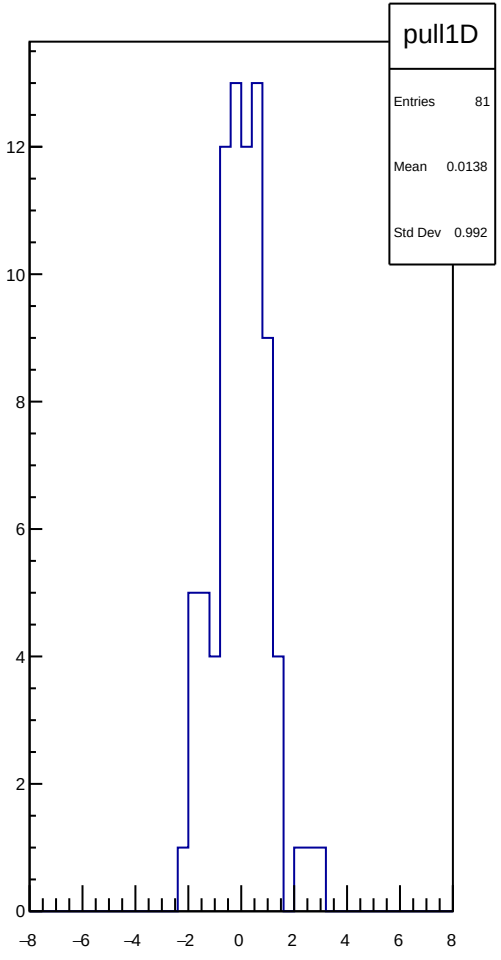

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 81.33 / 80
p0 −0.003698 ± 0.003149
pull
Entries 81
Mean 207
Std Dev 163.6

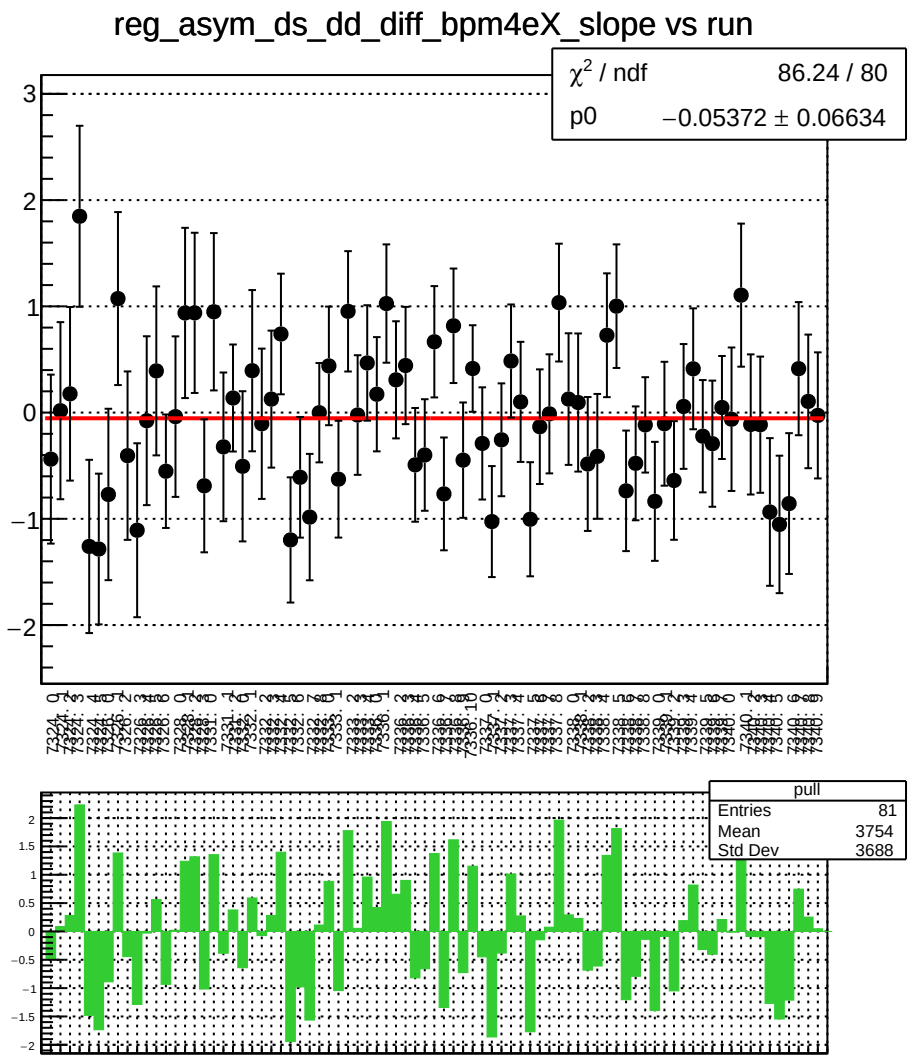

pull1D
Entries 81
Mean −0.01248
Std Dev 1.002

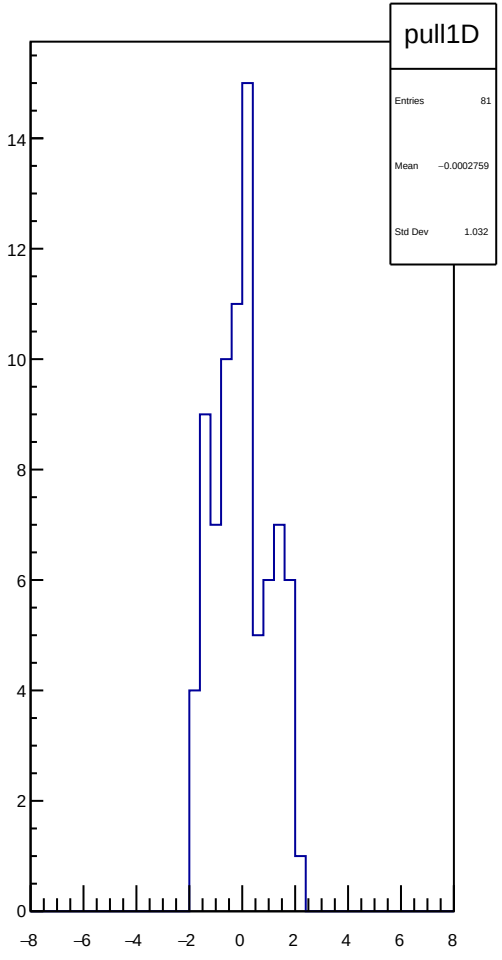

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 86.47 / 80
p0 0.07373 ± 0.06686
pull
Entries 81
Mean −1078
Std Dev 1135

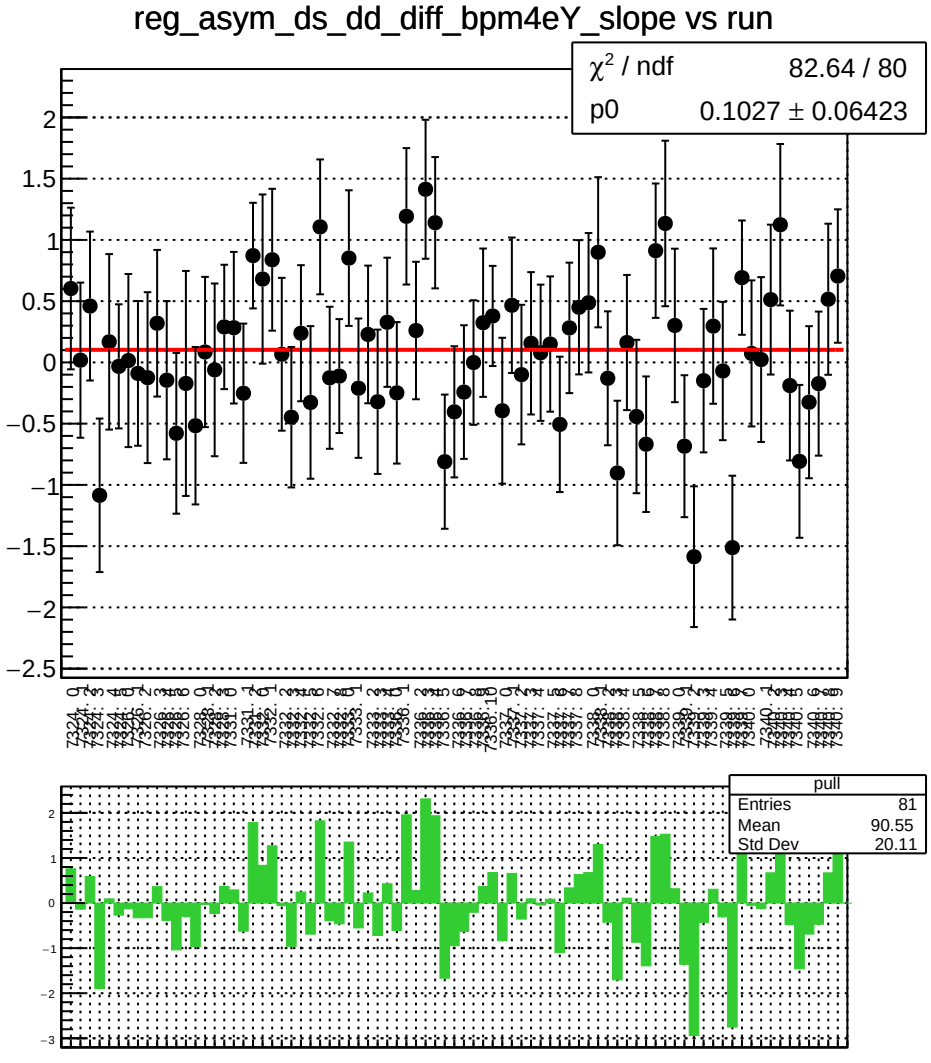

pull1D
Entries 81
Mean −0.001276
Std Dev 1.033

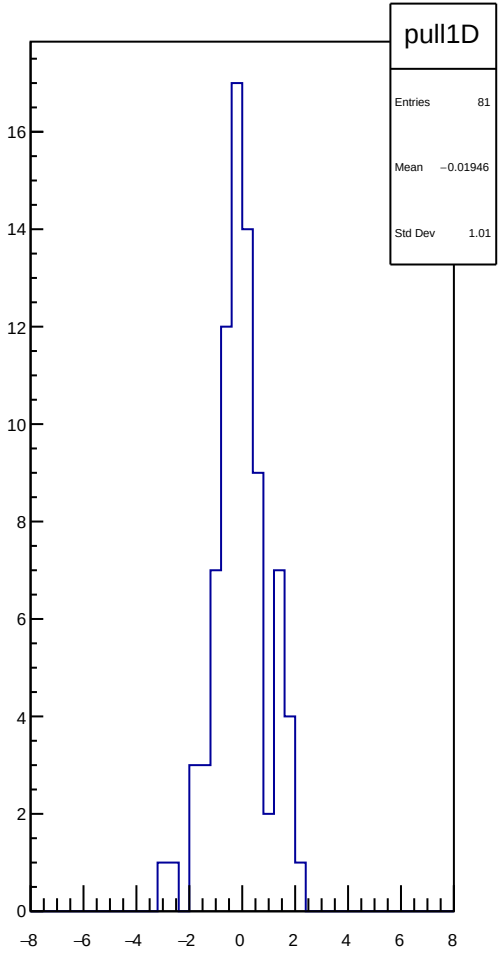

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.72 / 80
p0 −0.08258 ± 0.061
pull
Entries 81
Mean 126.6
Std Dev 56.98

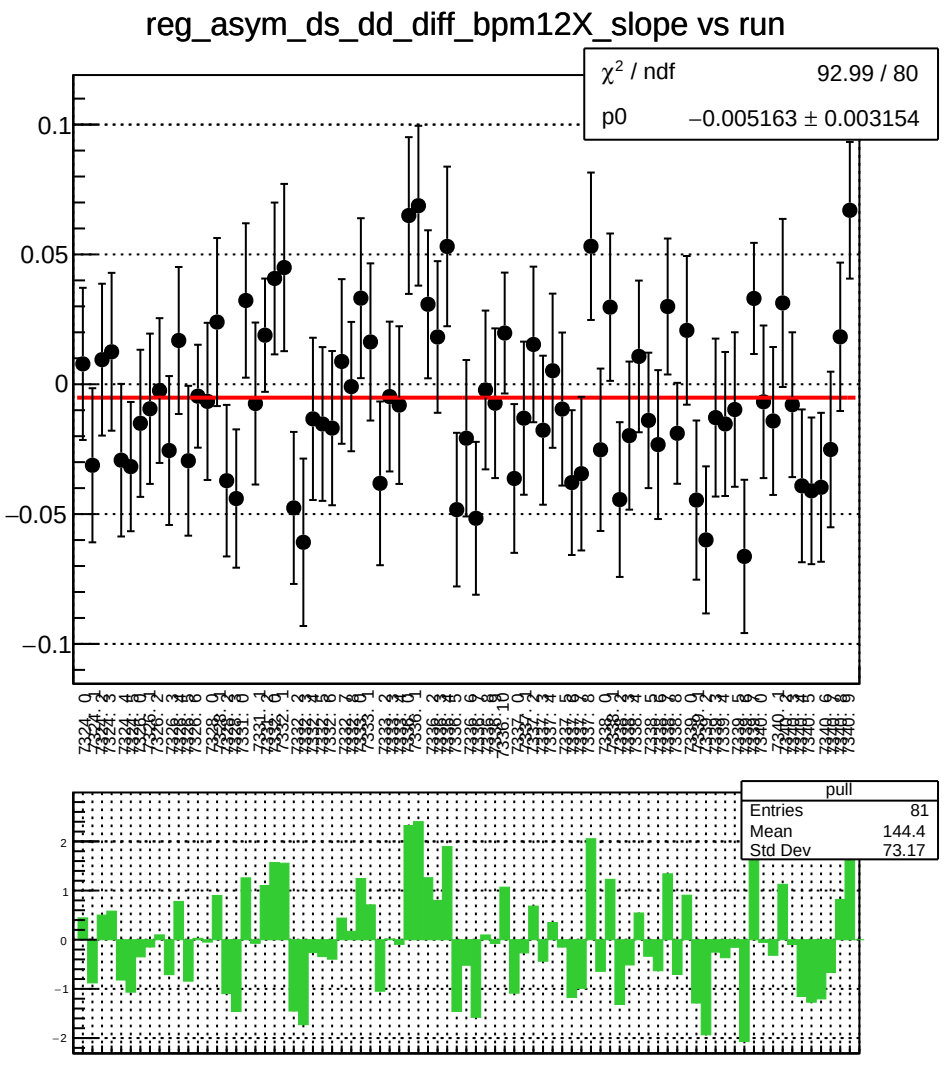

pull1D
Entries 81
Mean 0.0138
Std Dev 0.992

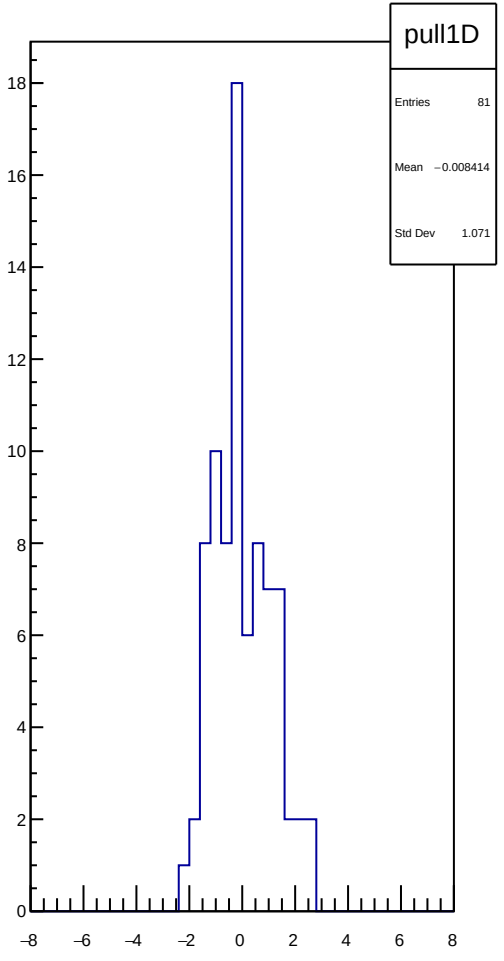

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 86.24 / 80
p0 −0.05372 ± 0.06634
pull
Entries 81
Mean 3754
Std Dev 3688

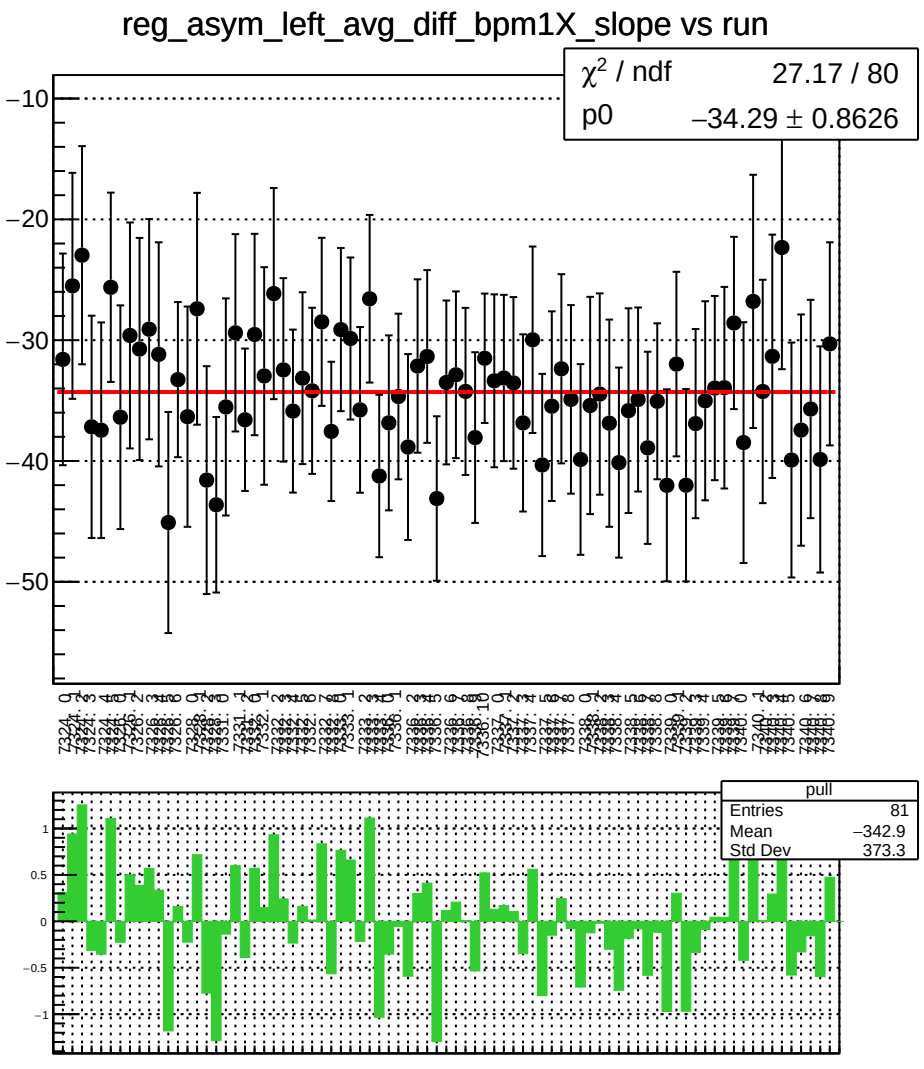

pull1D
Entries 81
Mean −0.0002759
Std Dev 1.032

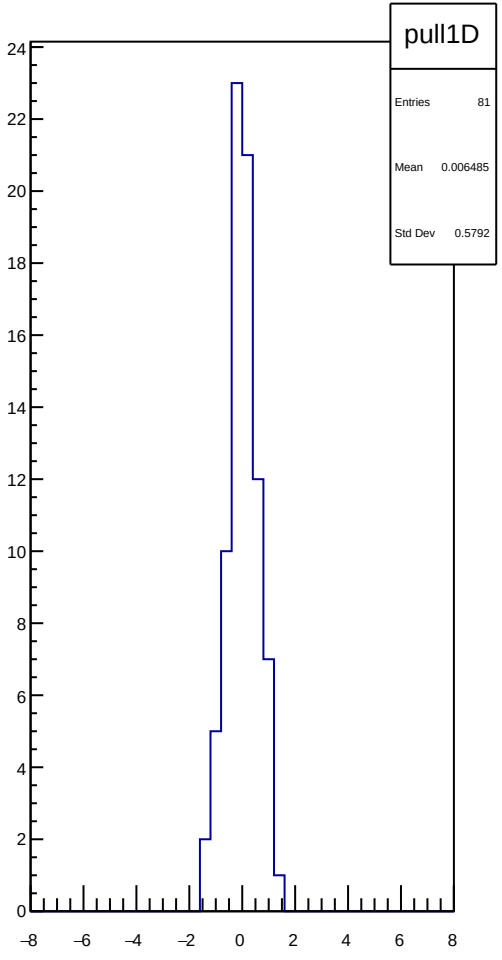

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.64 / 80
p0 0.1027 ± 0.06423
pull
Entries 81
Mean 90.55
Std Dev 20.11

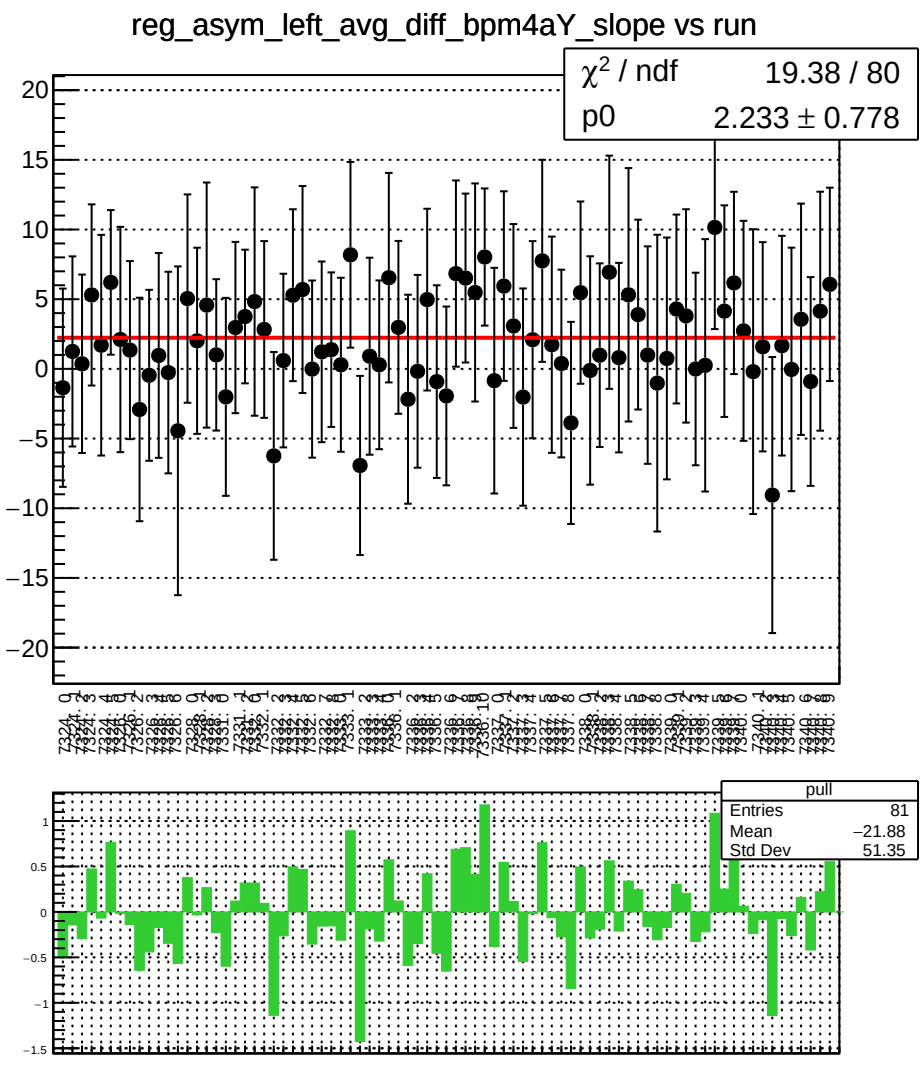

pull1D
Entries 81
Mean −0.01946
Std Dev 1.01

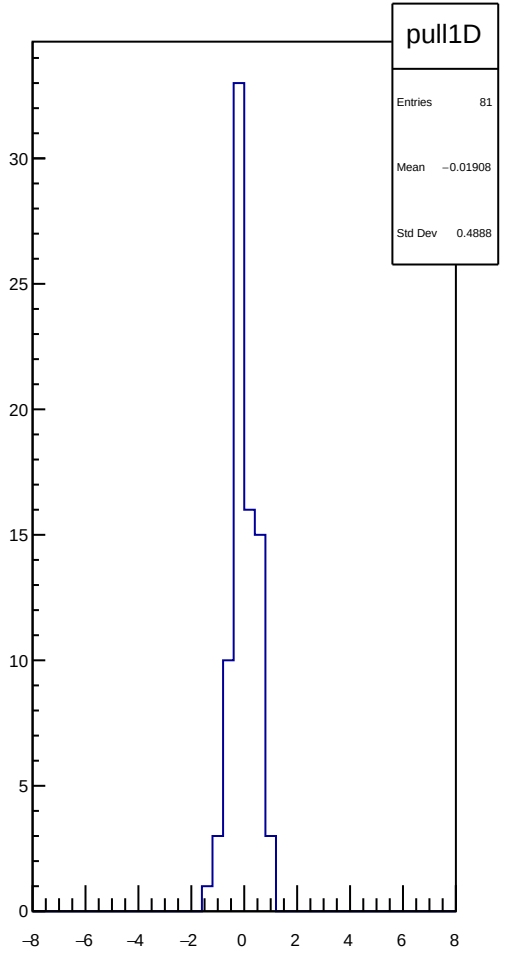

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 92.99 / 80
p0 −0.005163 ± 0.003154
pull
Entries 81
Mean 144.4
Std Dev 73.17

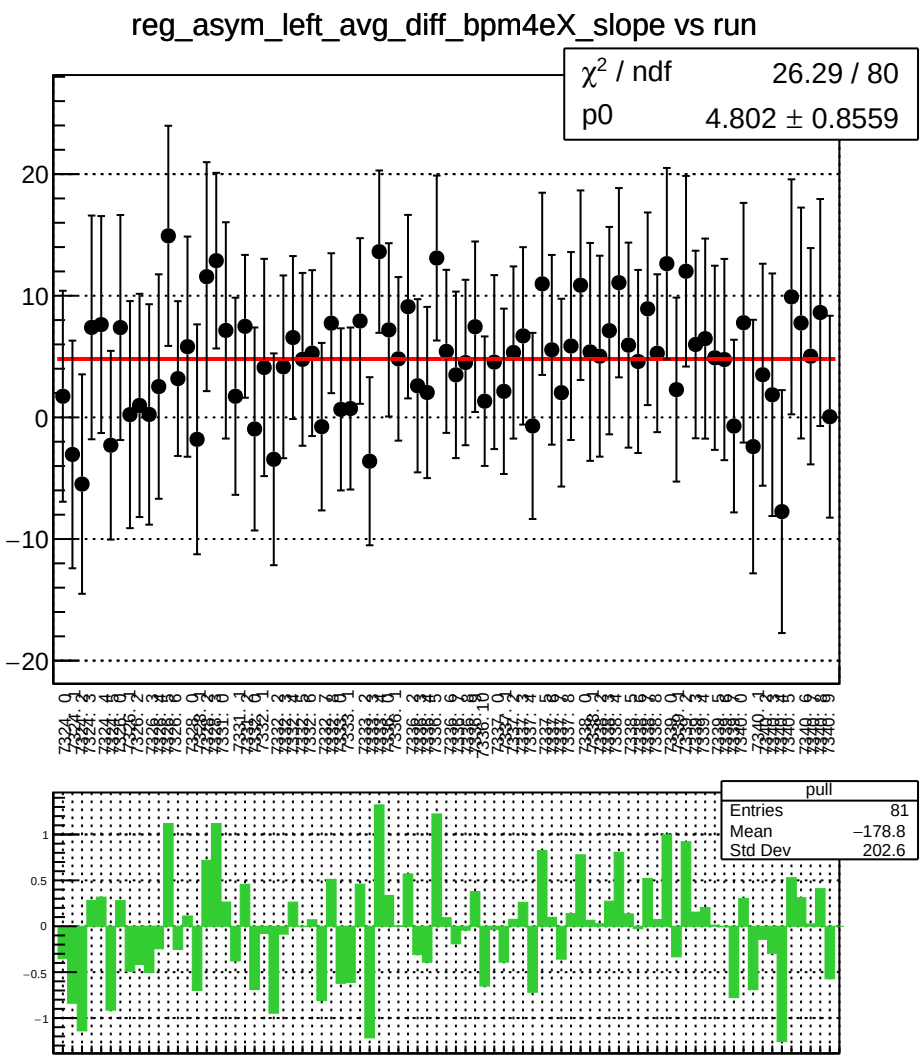

pull1D
Entries 81
Mean −0.008414
Std Dev 1.071

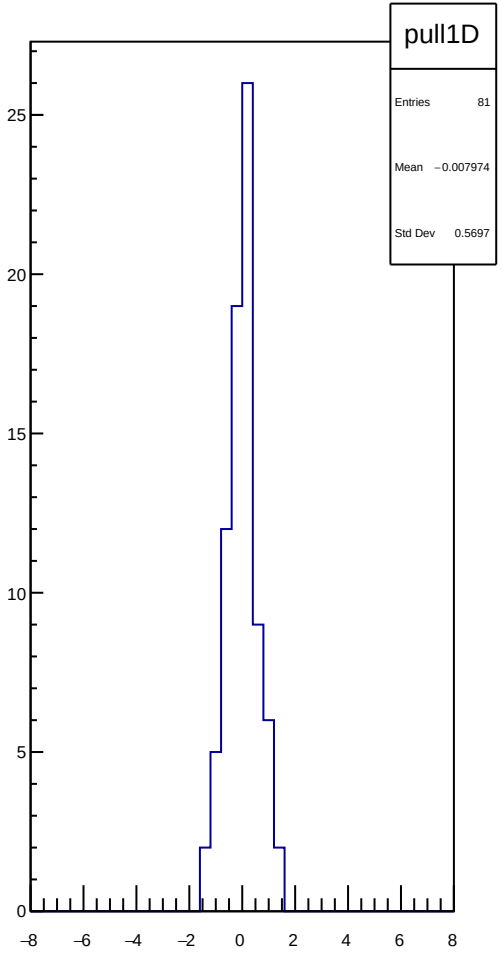

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 27.17 / 80
p0 −34.29 ± 0.8626
pull
Entries 81
Mean −342.9
Std Dev 373.3

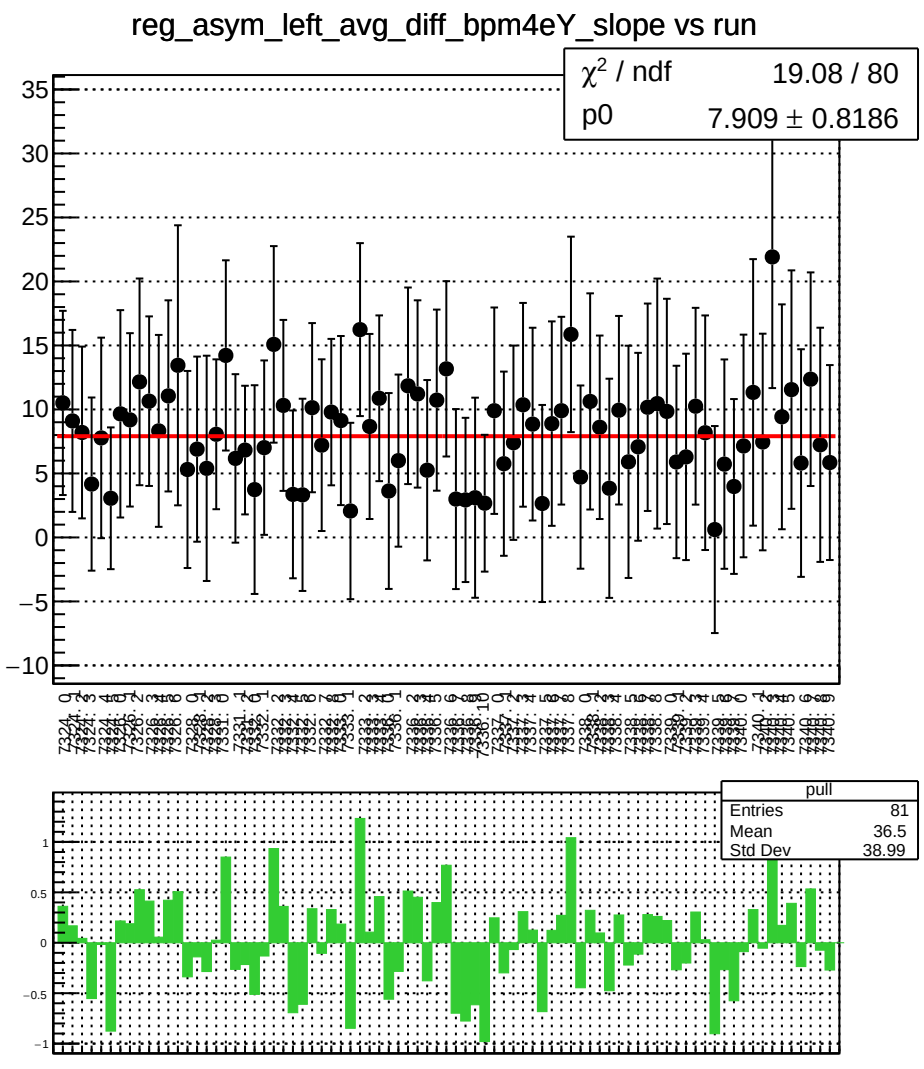

pull1D
Entries 81
Mean 0.006485
Std Dev 0.5792

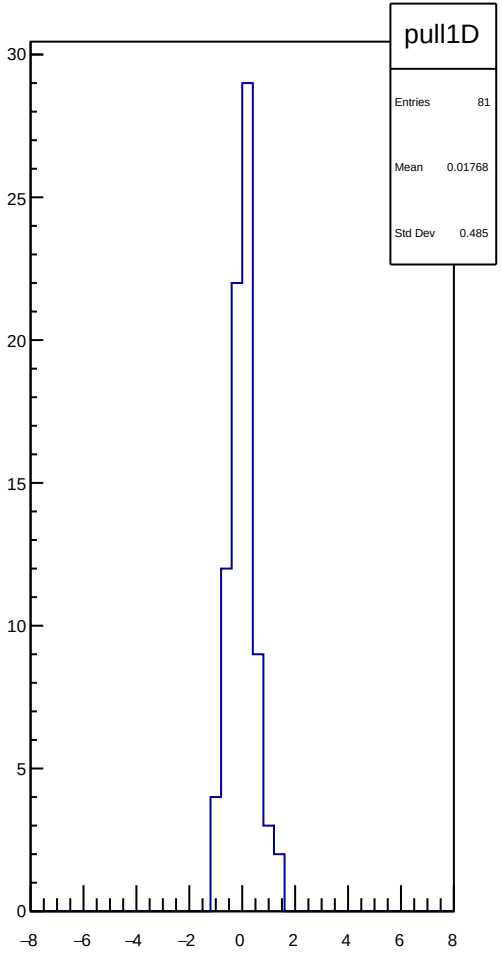

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.38 / 80
p0 2.233 ± 0.778
pull
Entries 81
Mean −21.88
Std Dev 51.35

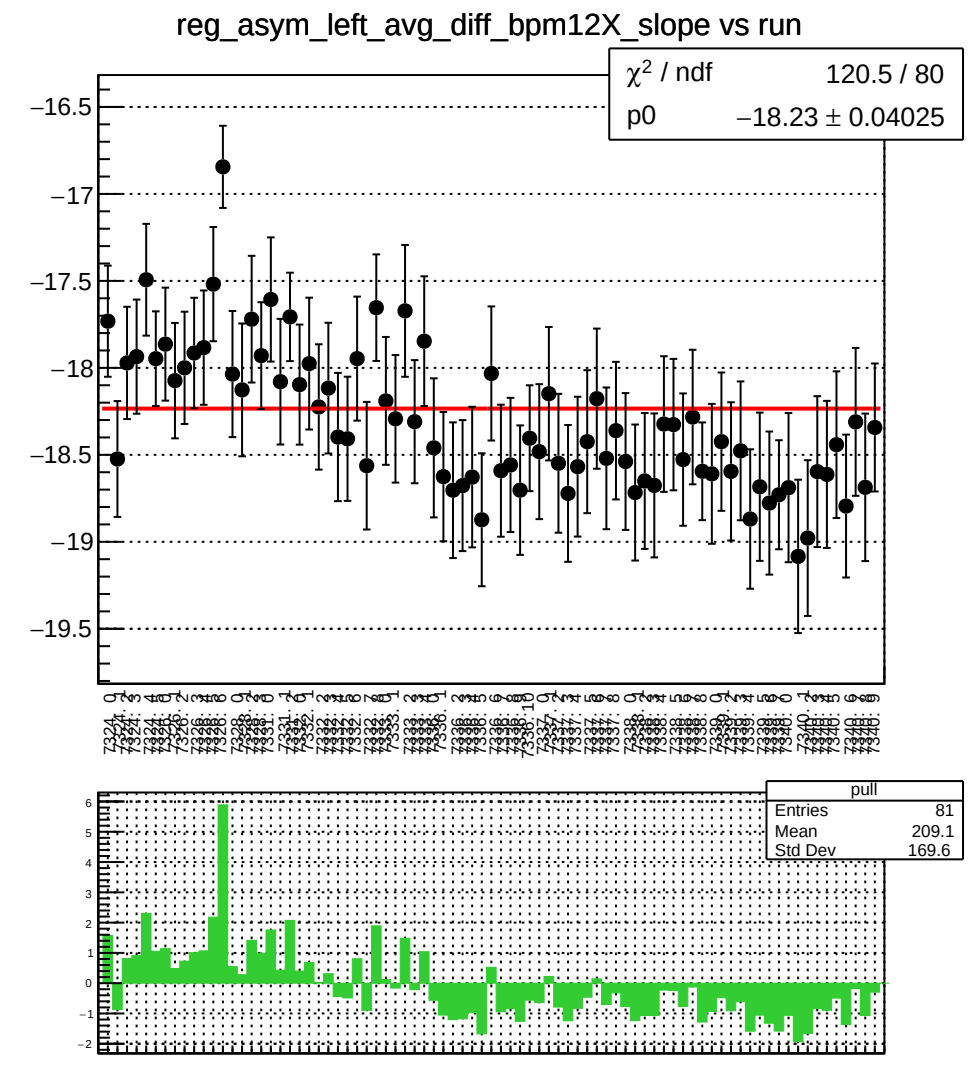

pull1D
Entries 81
Mean −0.01908
Std Dev 0.4888

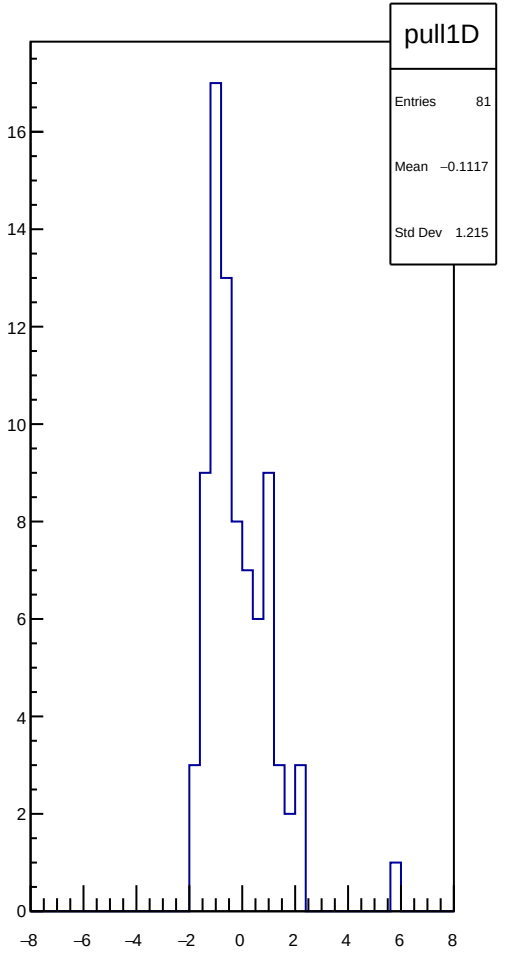

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.29 / 80
p0 4.802 ± 0.8559
pull
Entries 81
Mean −178.8
Std Dev 202.6

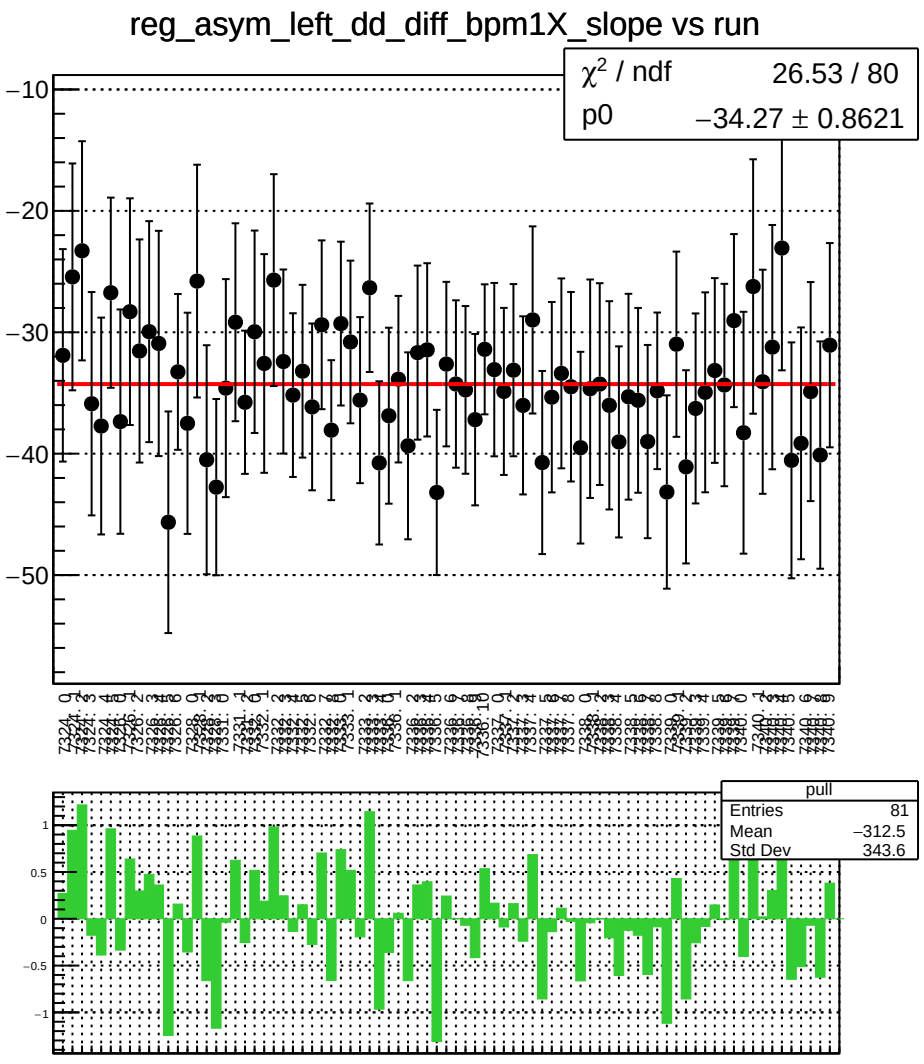

pull1D
Entries 81
Mean −0.007974
Std Dev 0.5697

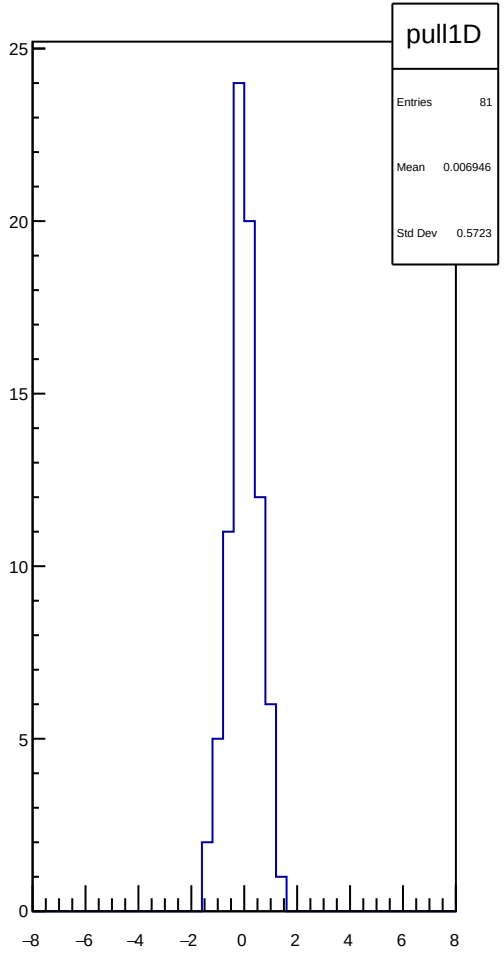

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.08 / 80
p0 7.909 ± 0.8186
pull
Entries 81
Mean 36.5
Std Dev 38.99

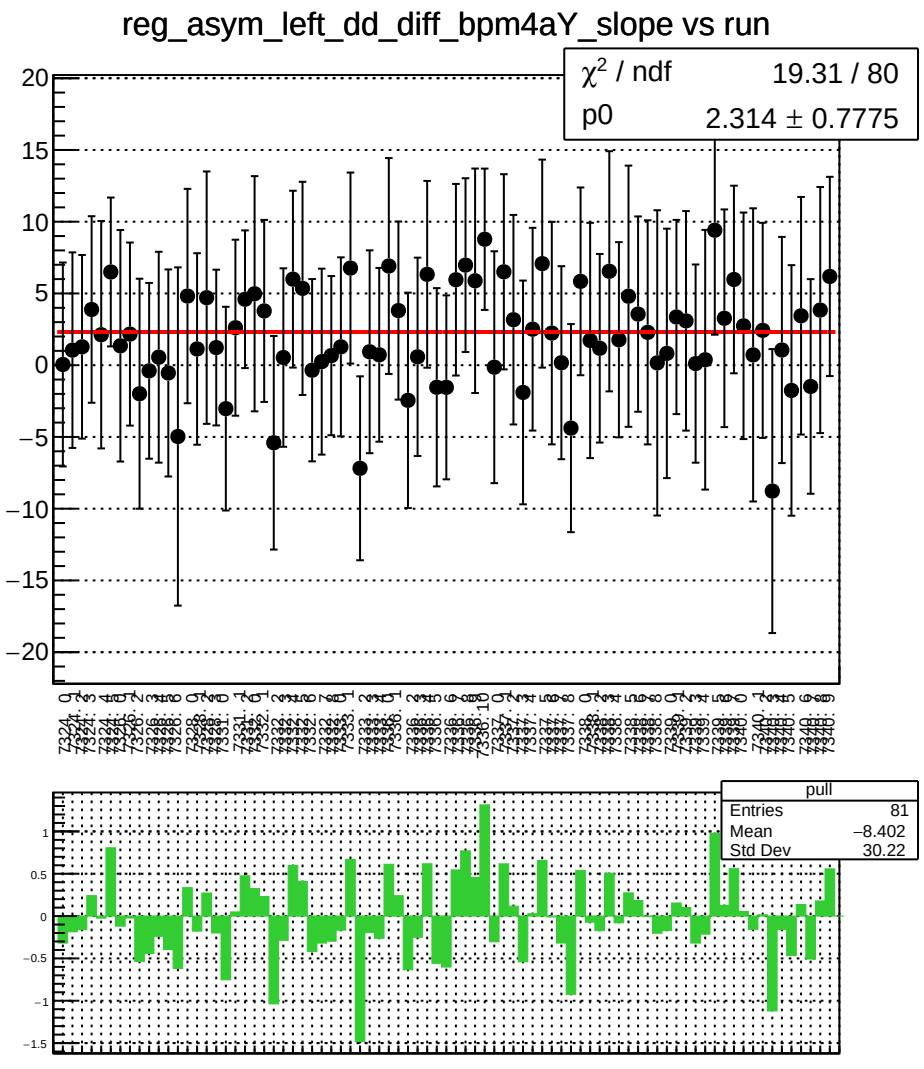

pull1D
Entries 81
Mean 0.01768
Std Dev 0.485

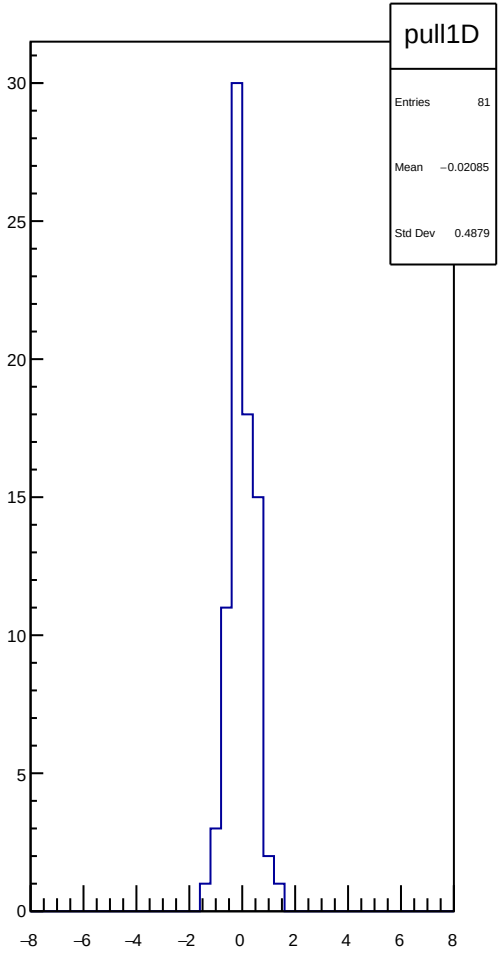

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 120.5 / 80
p0 −18.23 ± 0.04025
pull
Entries 81
Mean 209.1
Std Dev 169.6

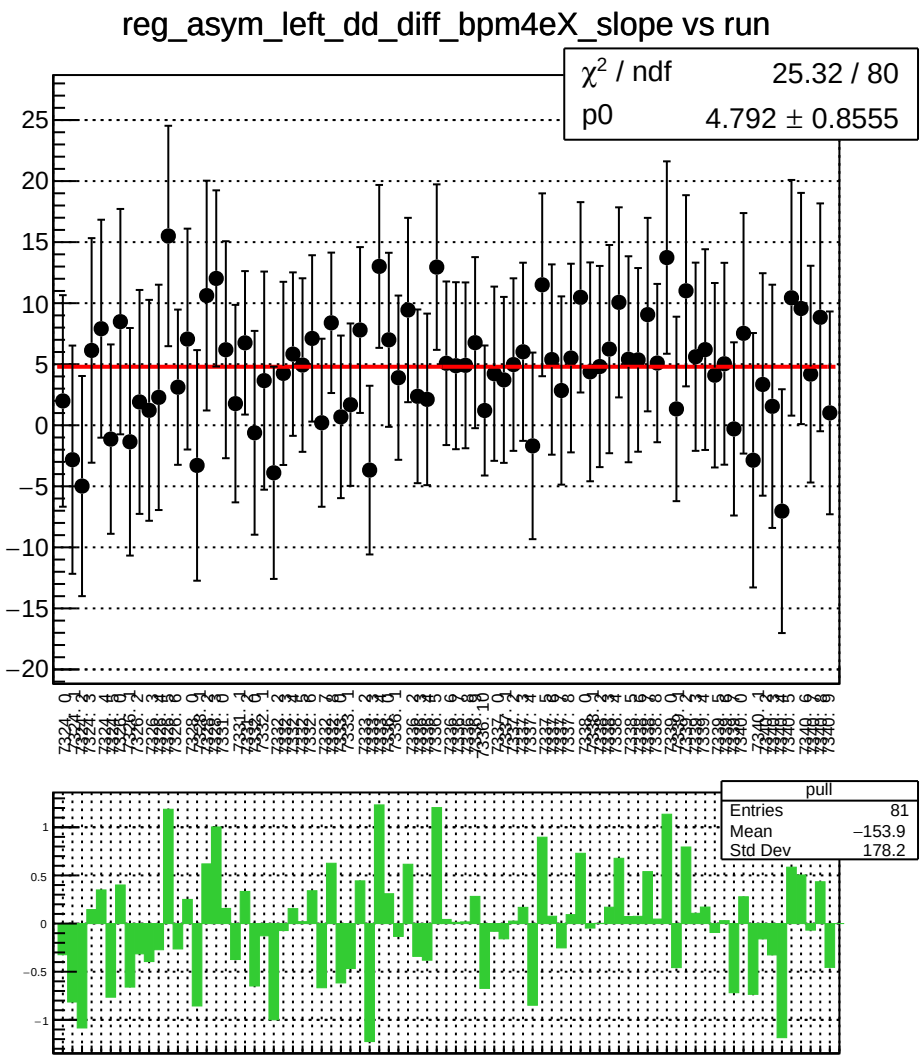

pull1D
Entries 81
Mean −0.1117
Std Dev 1.215

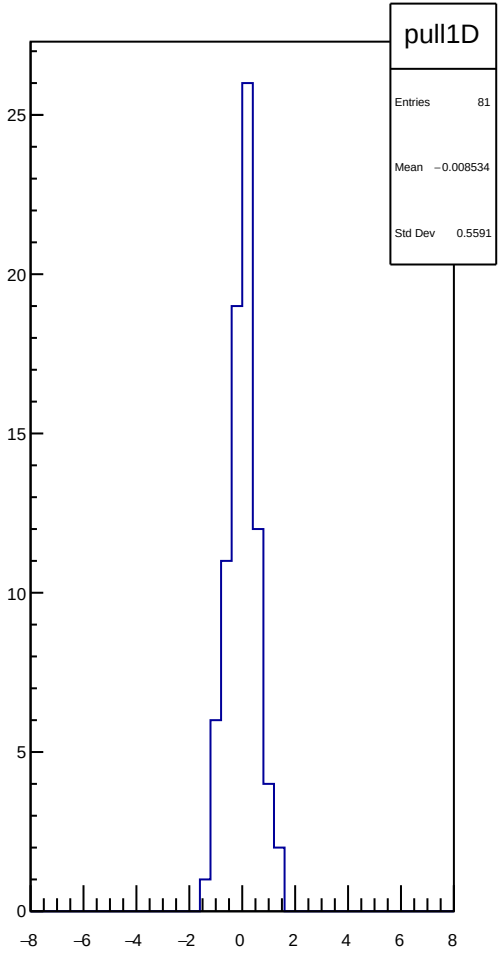

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 26.53 / 80
p0 −34.27 ± 0.8621
pull
Entries 81
Mean −312.5
Std Dev 343.6

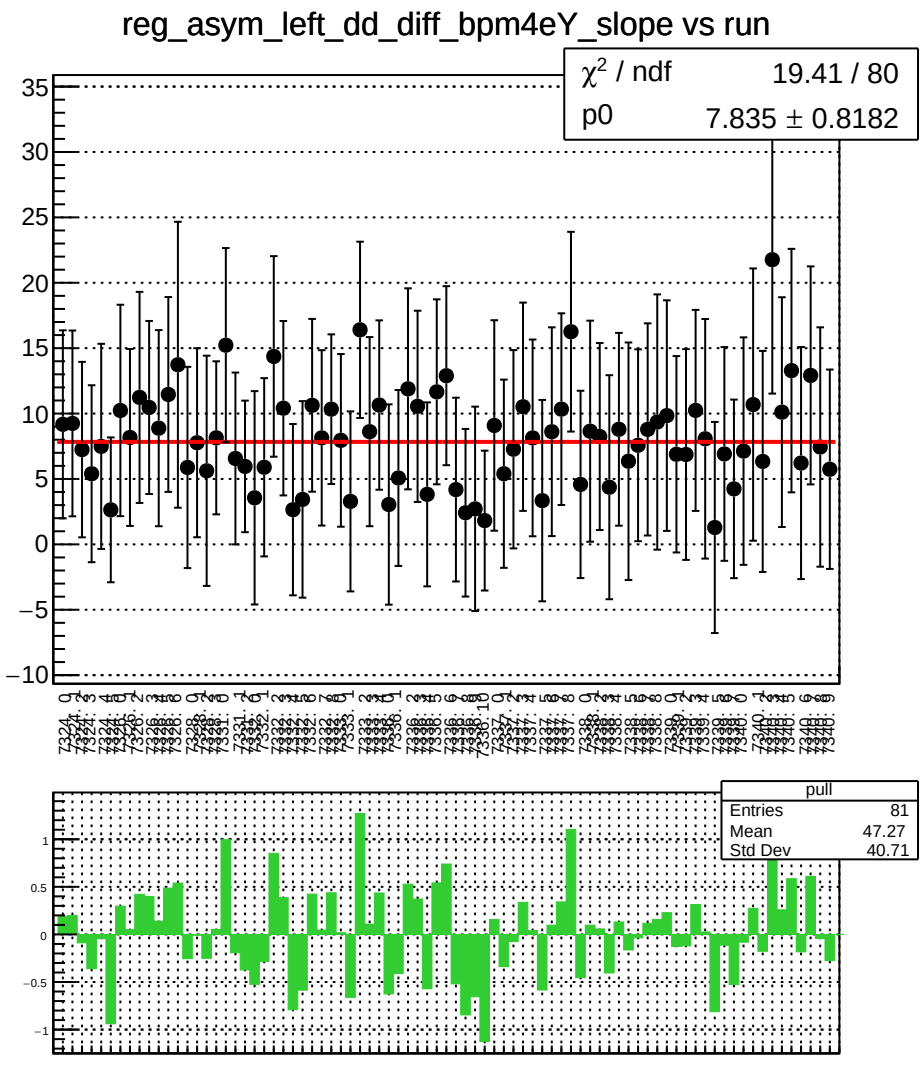

pull1D
Entries 81
Mean 0.006946
Std Dev 0.5723

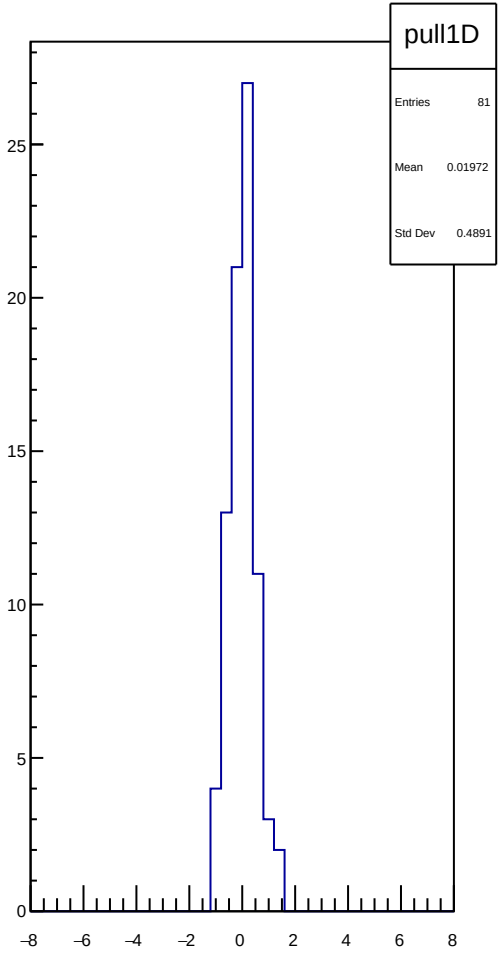

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.31 / 80
p0 2.314 ± 0.7775
pull
Entries 81
Mean −8.402
Std Dev 30.22

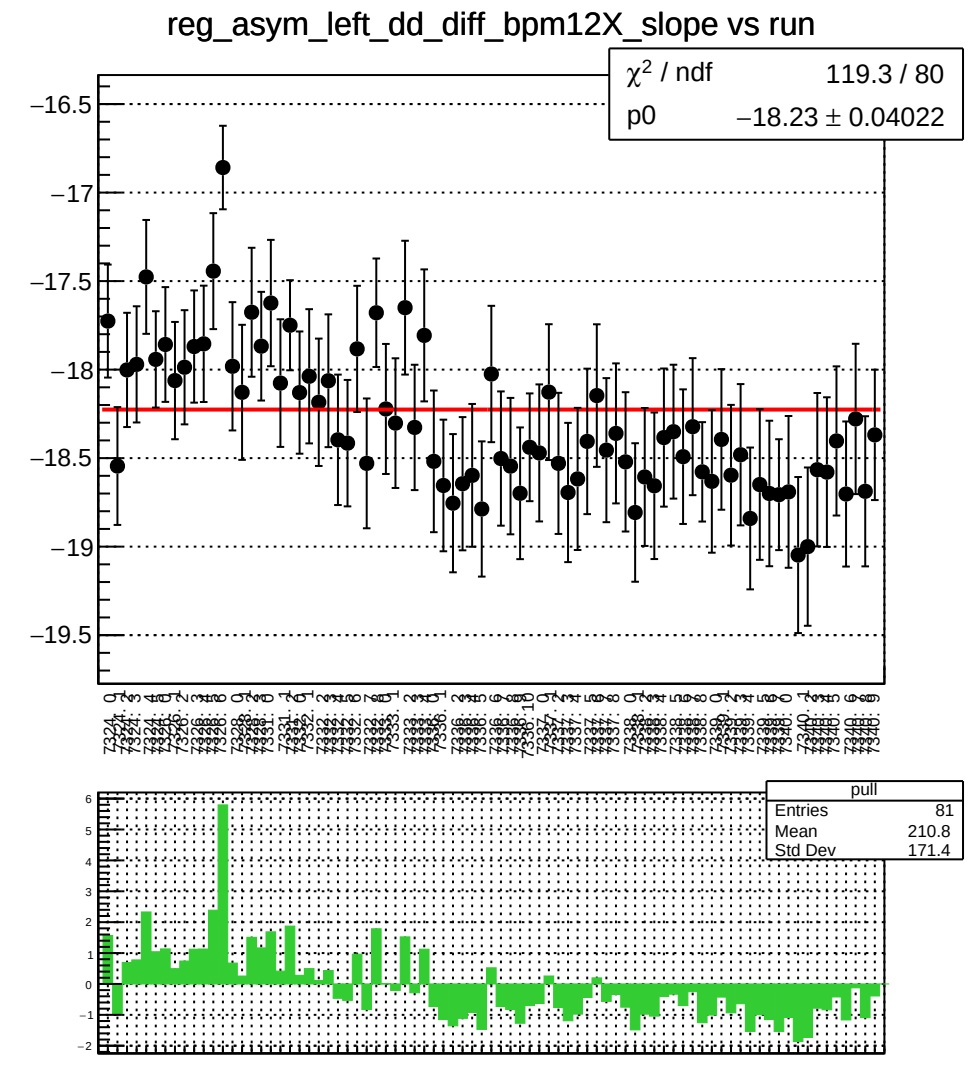

pull1D
Entries 81
Mean −0.02085
Std Dev 0.4879

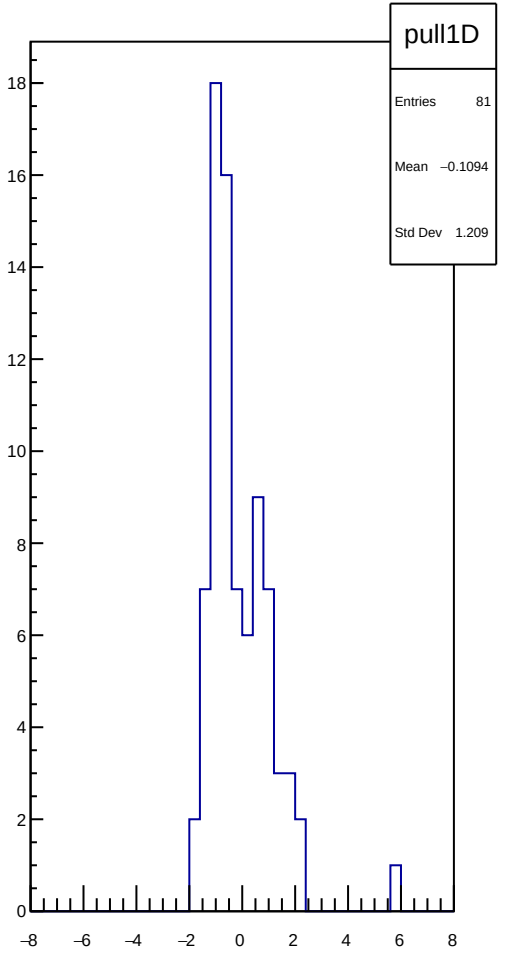

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.32 / 80
p0 4.792 ± 0.8555
pull
Entries 81
Mean −153.9
Std Dev 178.2

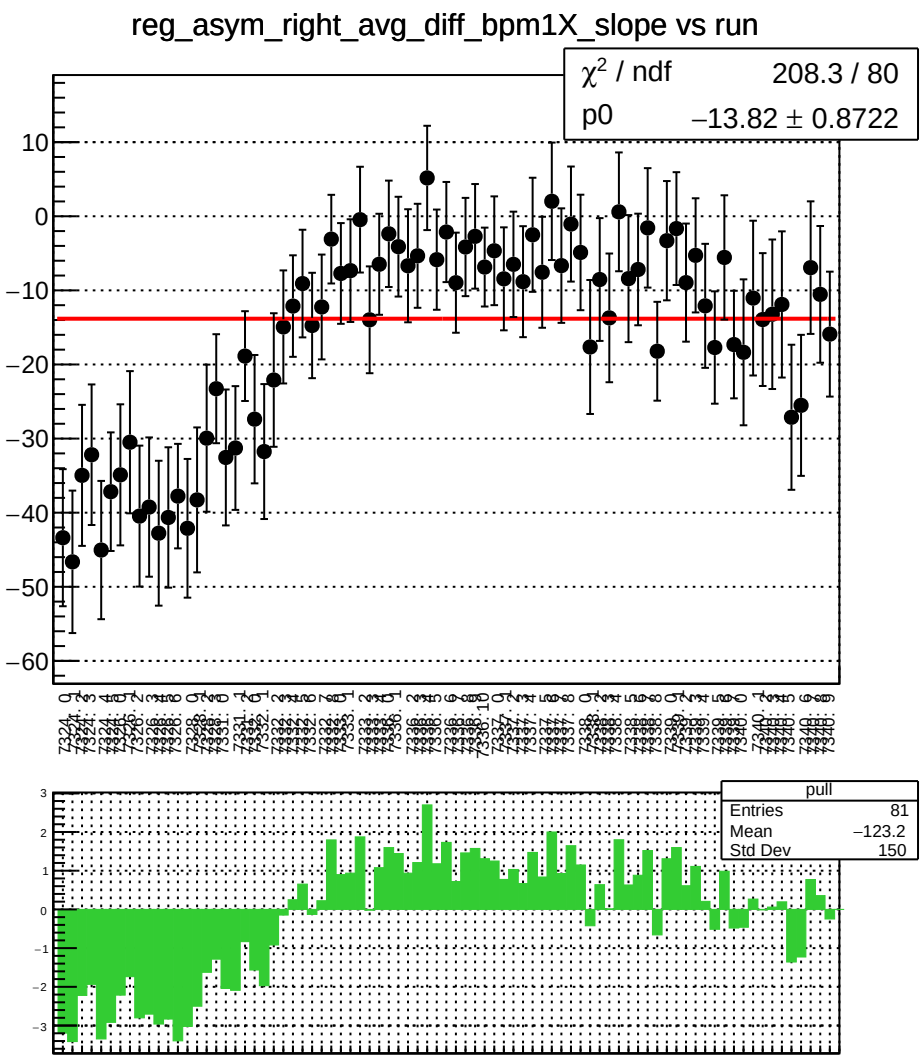

pull1D
Entries 81
Mean −0.008534
Std Dev 0.5591

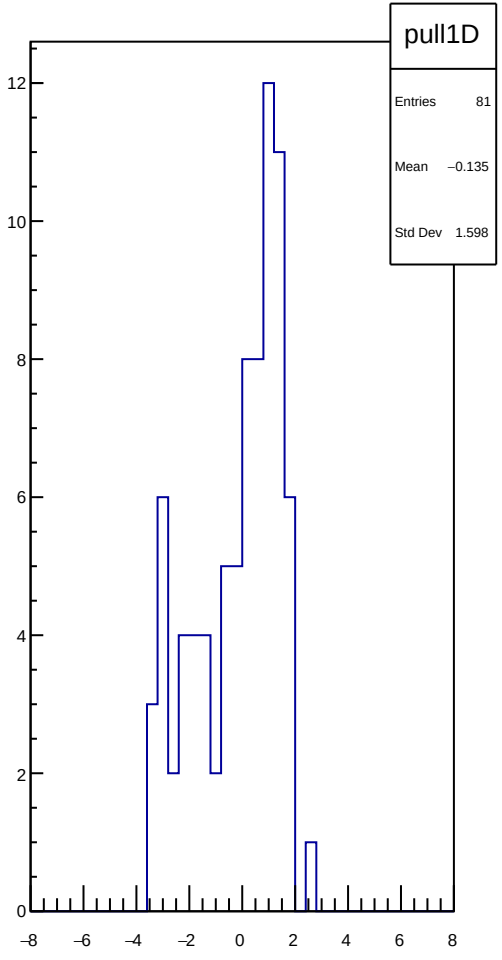

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.41 / 80
p0 7.835 ± 0.8182
pull
Entries 81
Mean 47.27
Std Dev 40.71

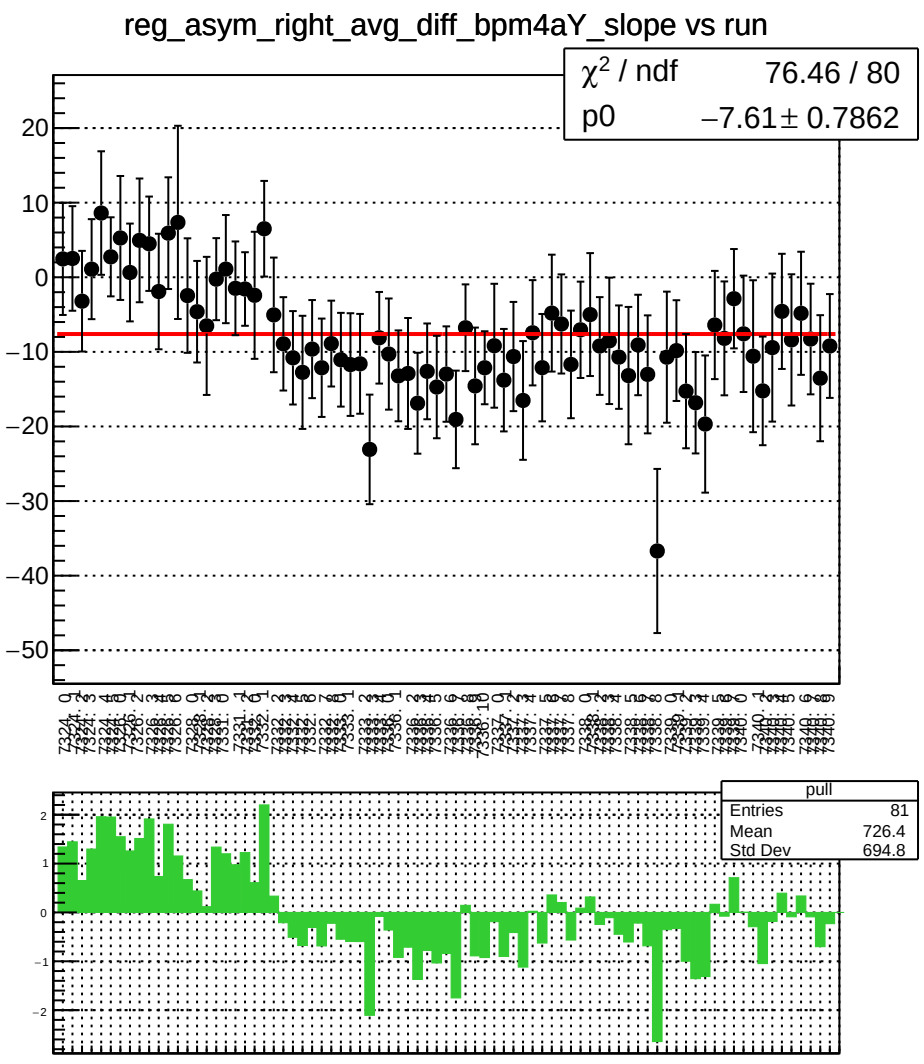

pull1D
Entries 81
Mean 0.01972
Std Dev 0.4891

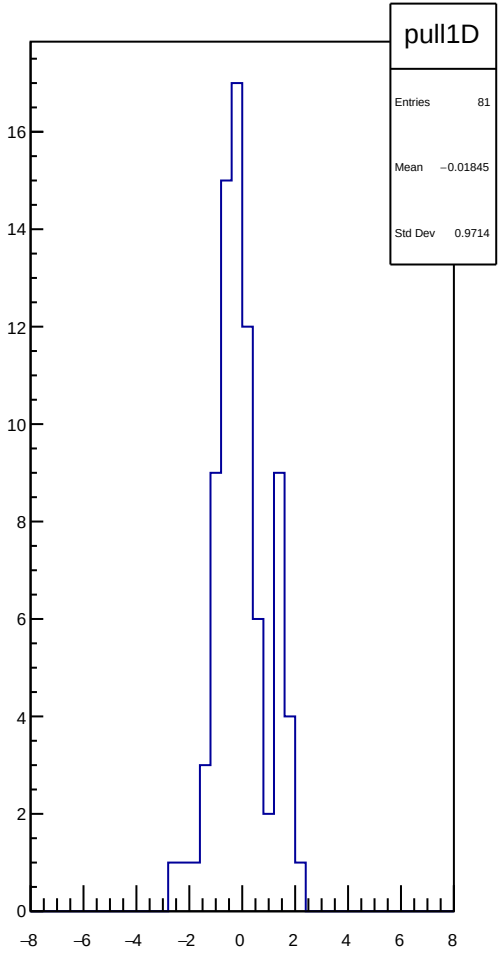

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 119.3 / 80
p0 −18.23 ± 0.04022
pull
Entries 81
Mean 210.8
Std Dev 171.4

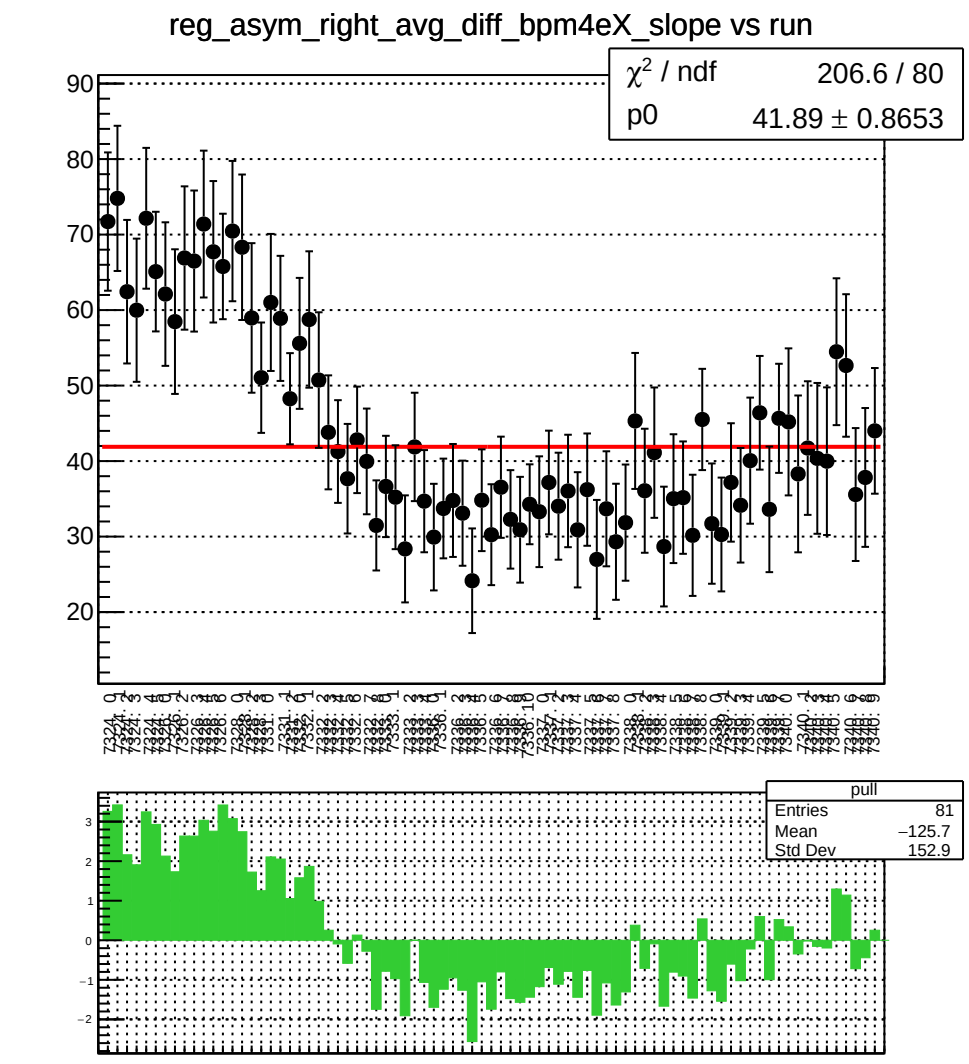

pull1D
Entries 81
Mean −0.1094
Std Dev 1.209

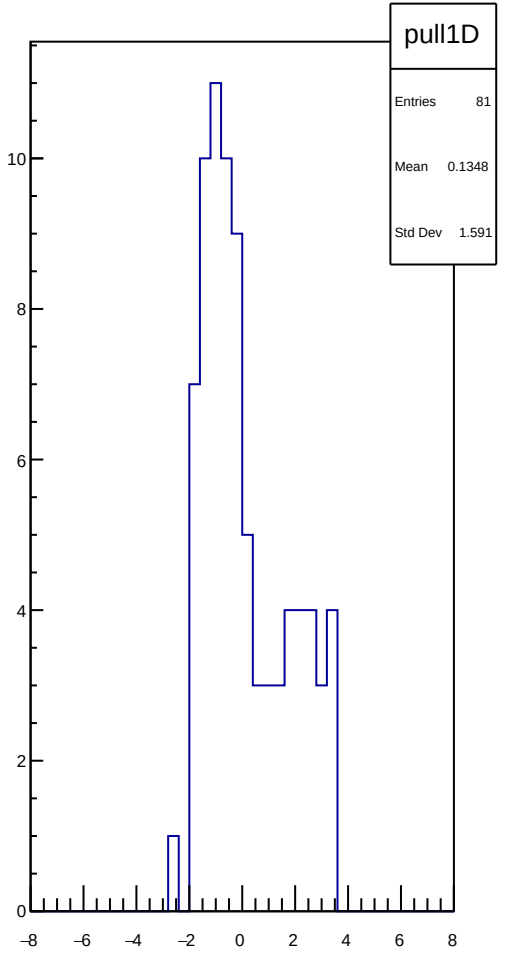

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 208.3 / 80
p0 −13.82 ± 0.8722
pull
Entries 81
Mean −123.2
Std Dev 150

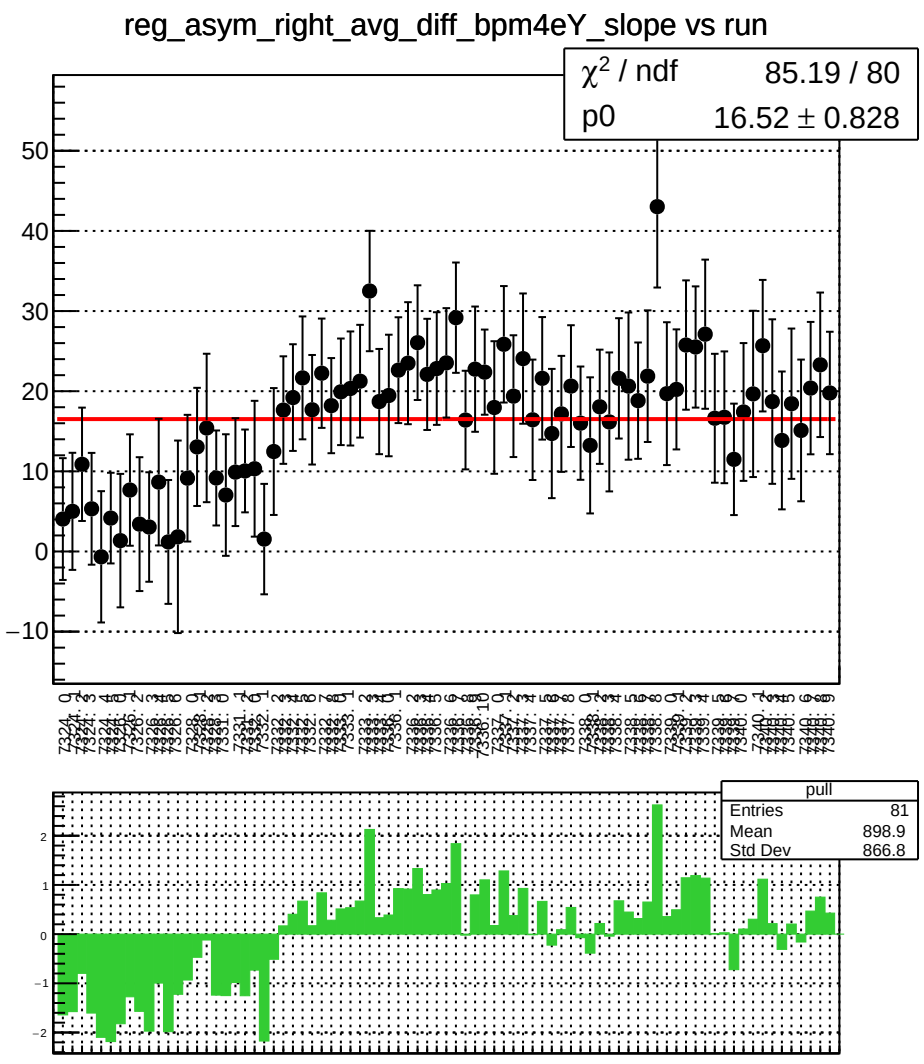

pull1D
Entries 81
Mean −0.135
Std Dev 1.598

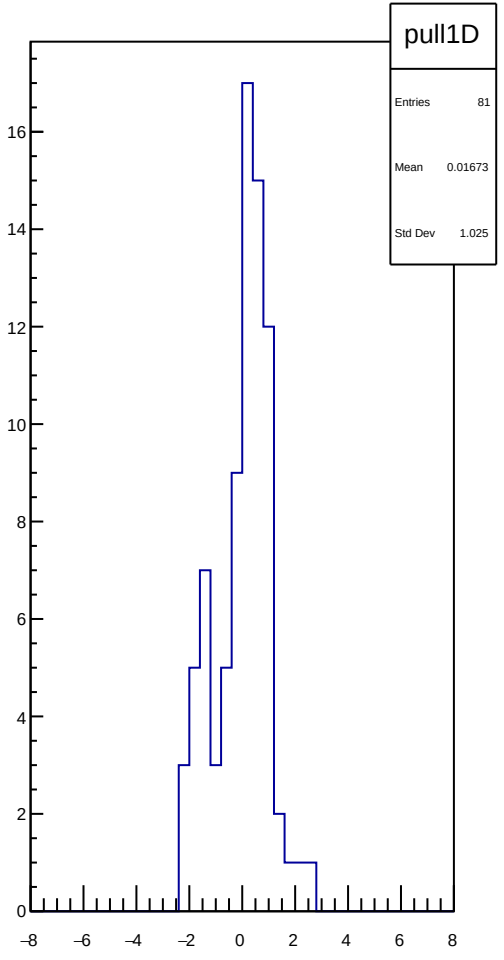

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.46 / 80
p0 −7.61 ± 0.7862
pull
Entries 81
Mean 726.4
Std Dev 694.8

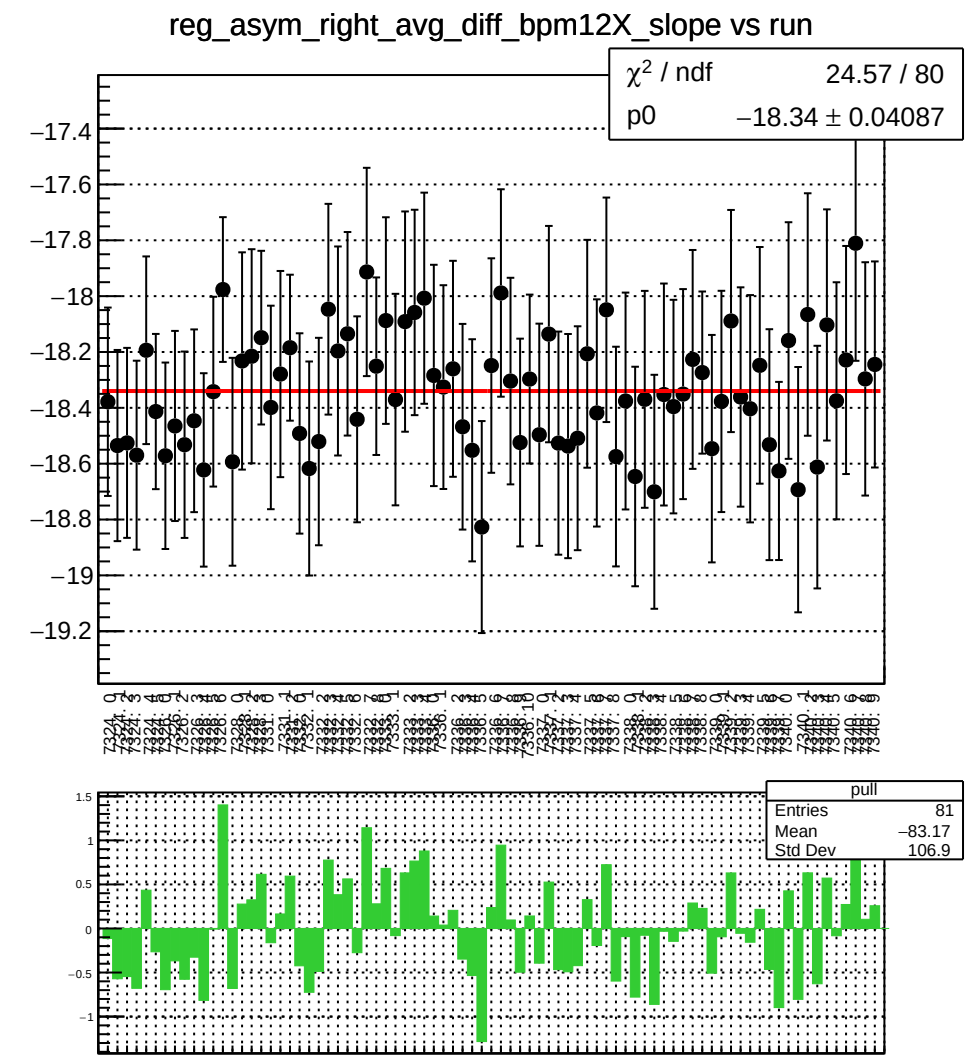

pull1D
Entries 81
Mean −0.01845
Std Dev 0.9714

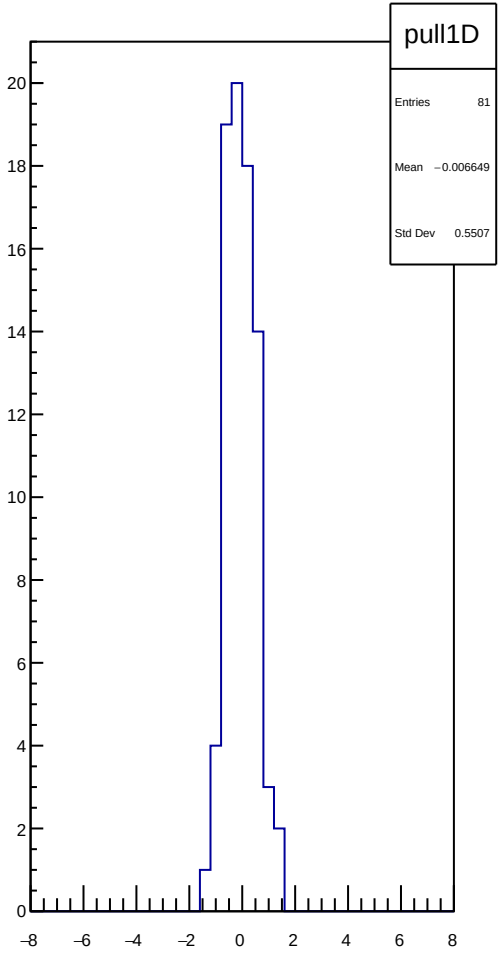

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 206.6 / 80
p0 41.89 ± 0.8653
pull
Entries 81
Mean −125.7
Std Dev 152.9

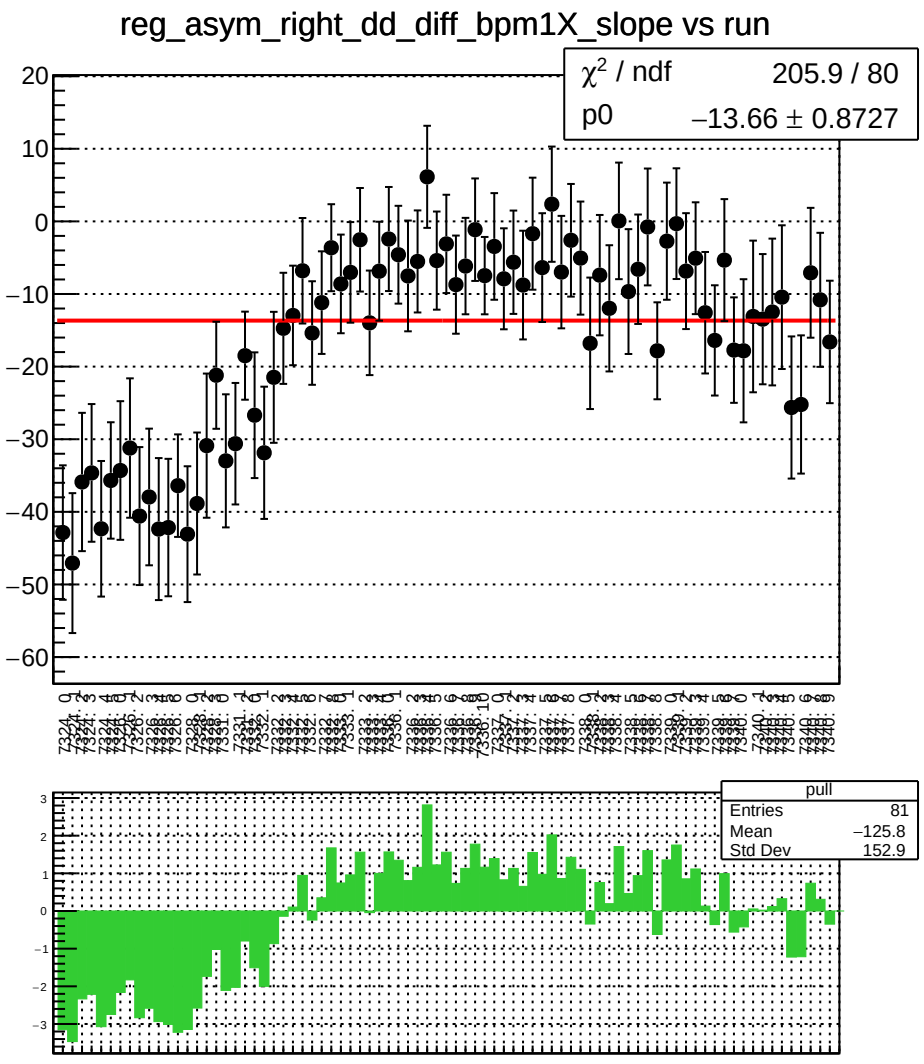

pull1D
Entries 81
Mean 0.1348
Std Dev 1.591

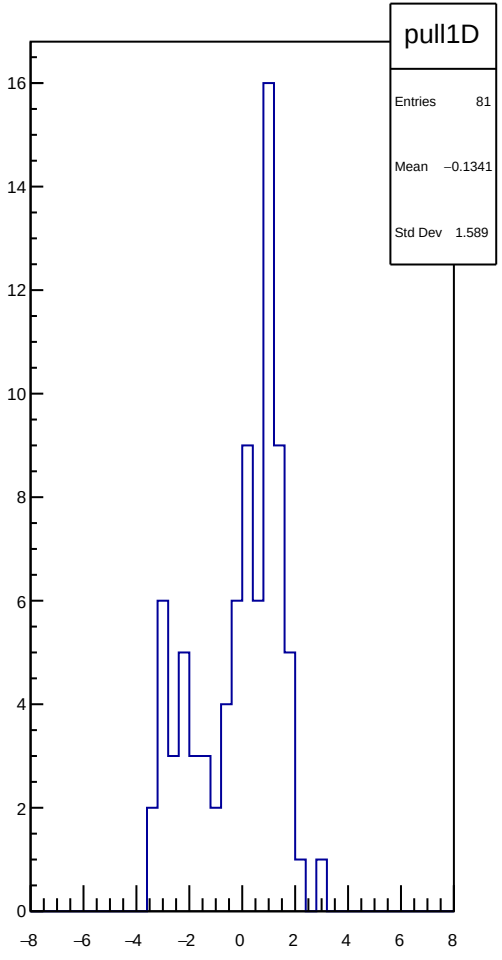

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.19 / 80
p0 16.52 ± 0.828
pull
Entries 81
Mean 898.9
Std Dev 866.8

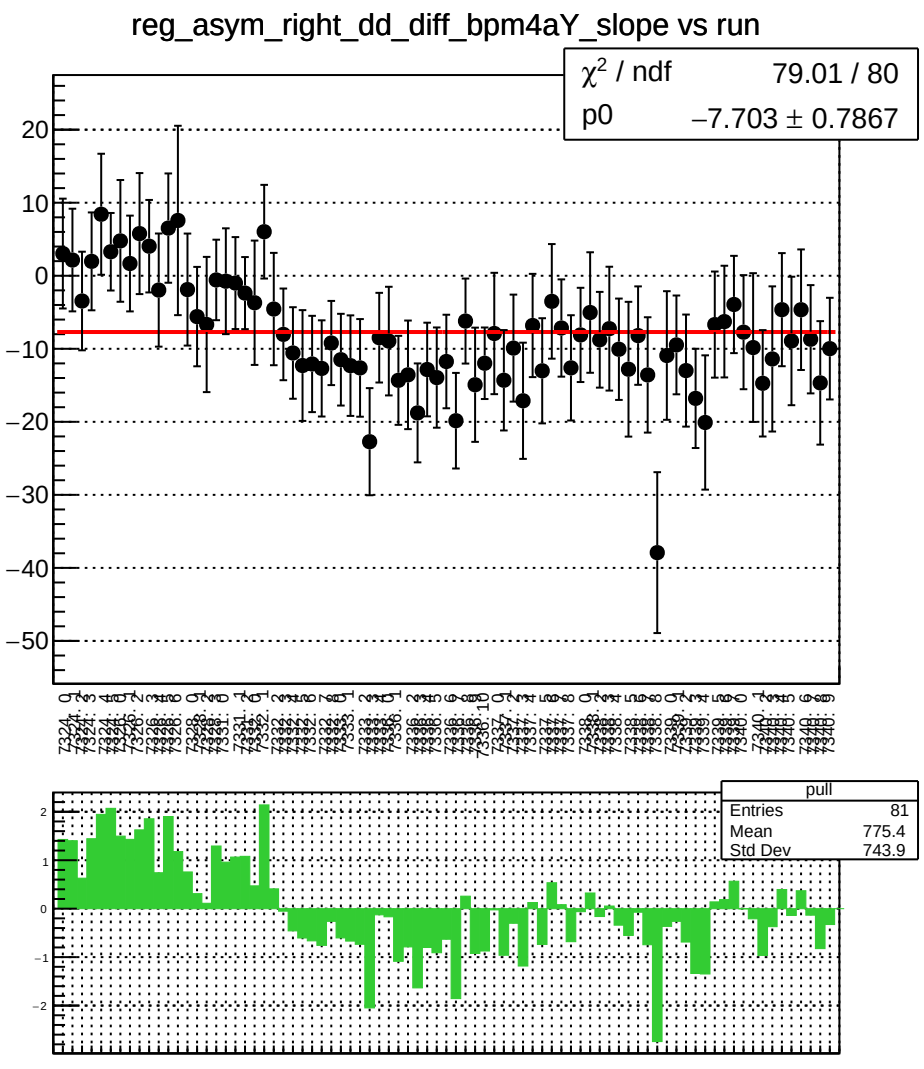

pull1D
Entries 81
Mean 0.01673
Std Dev 1.025

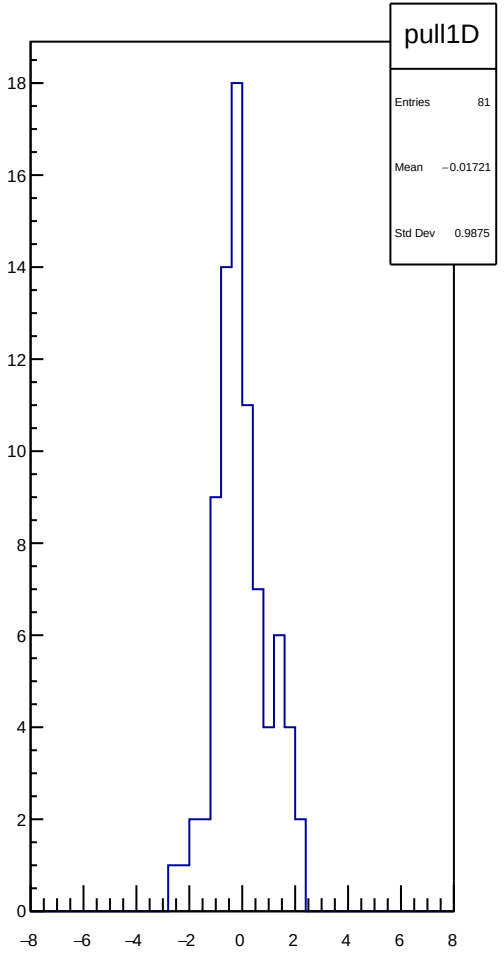

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 24.57 / 80
p0 −18.34 ± 0.04087
pull
Entries 81
Mean −83.17
Std Dev 106.9

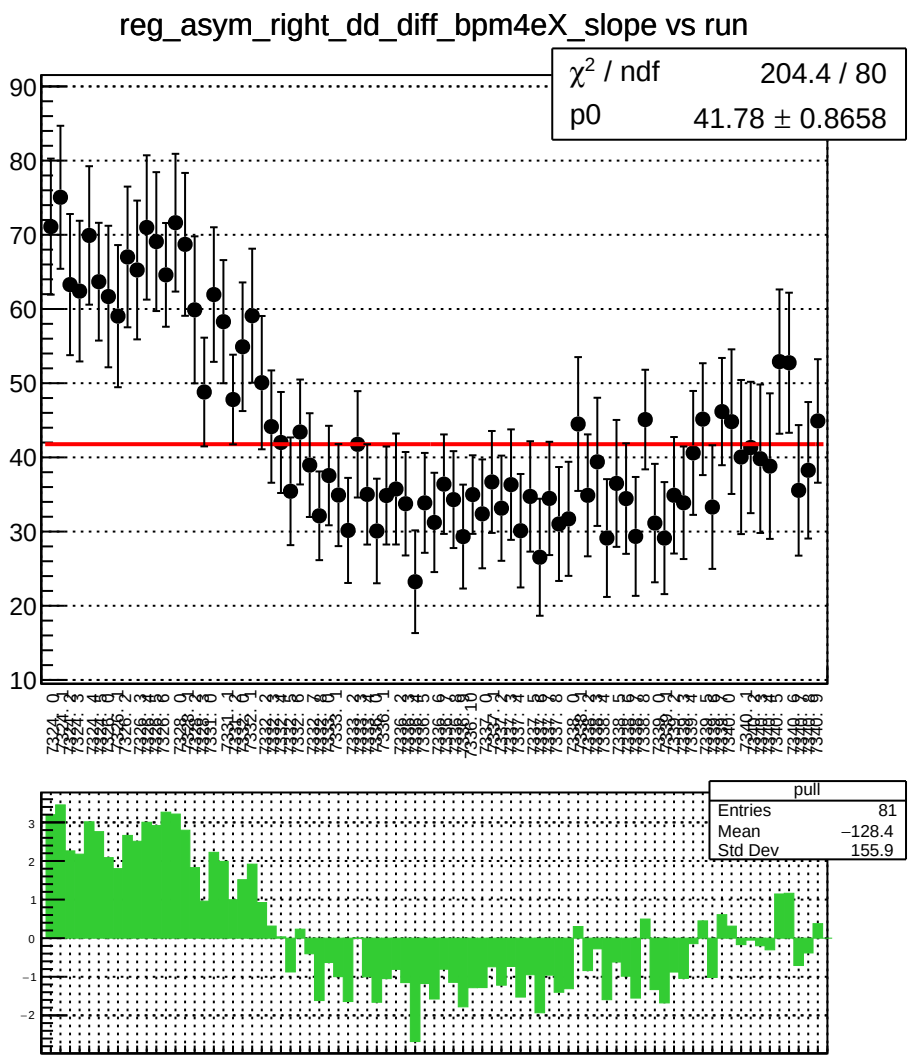

pull1D
Entries 81
Mean −0.006649
Std Dev 0.5507

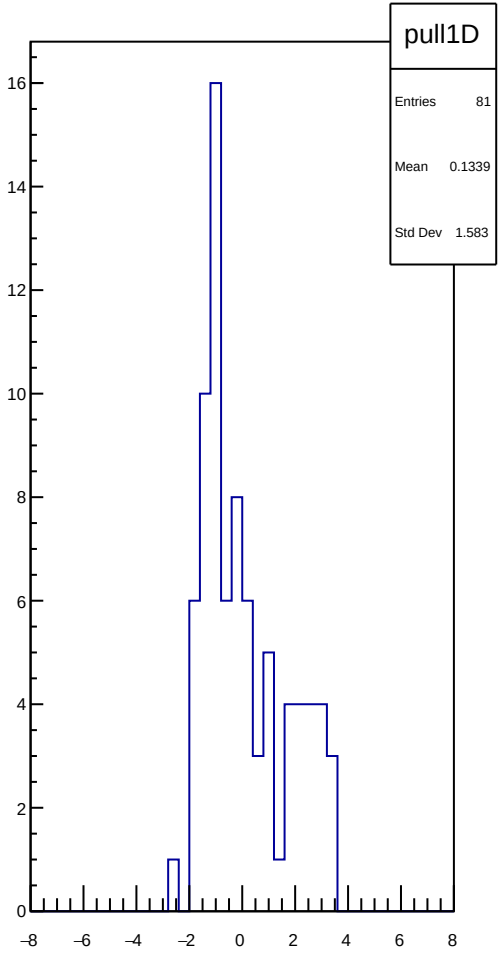

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 205.9 / 80
p0 −13.66 ± 0.8727
pull
Entries 81
Mean −125.8
Std Dev 152.9

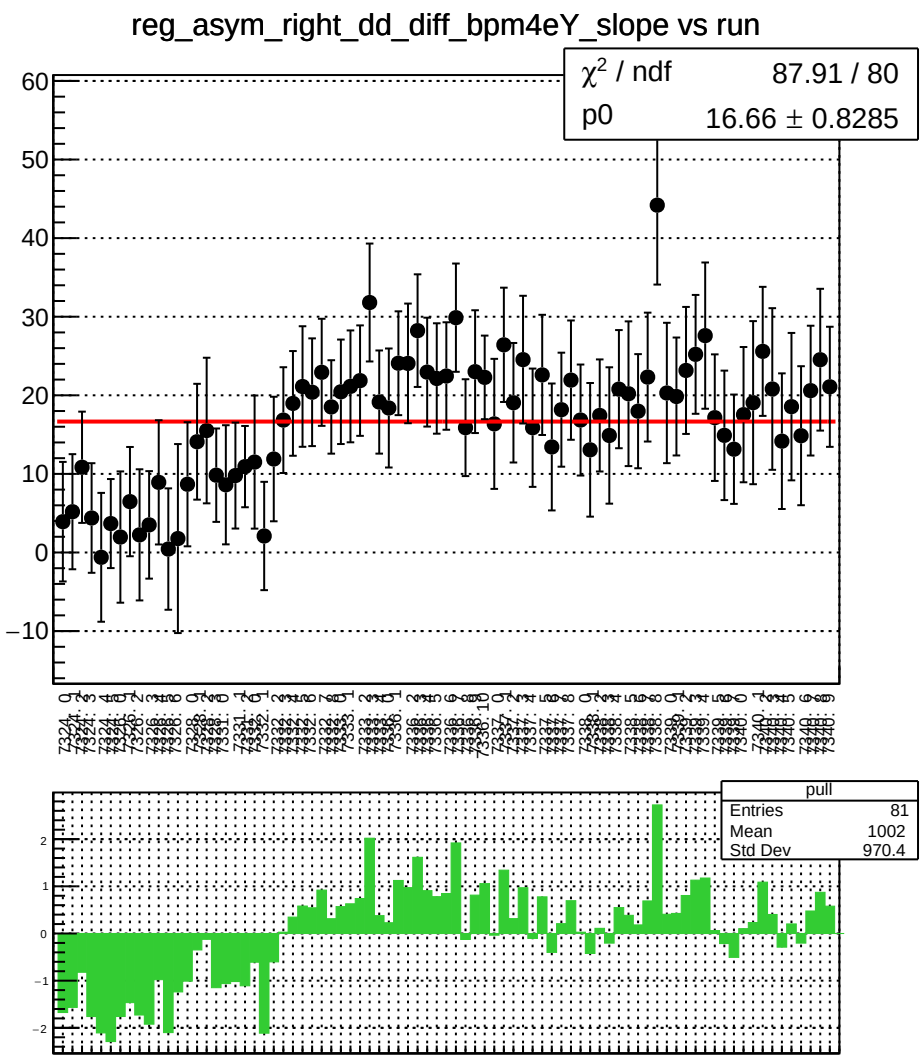

pull1D
Entries 81
Mean −0.1341
Std Dev 1.589

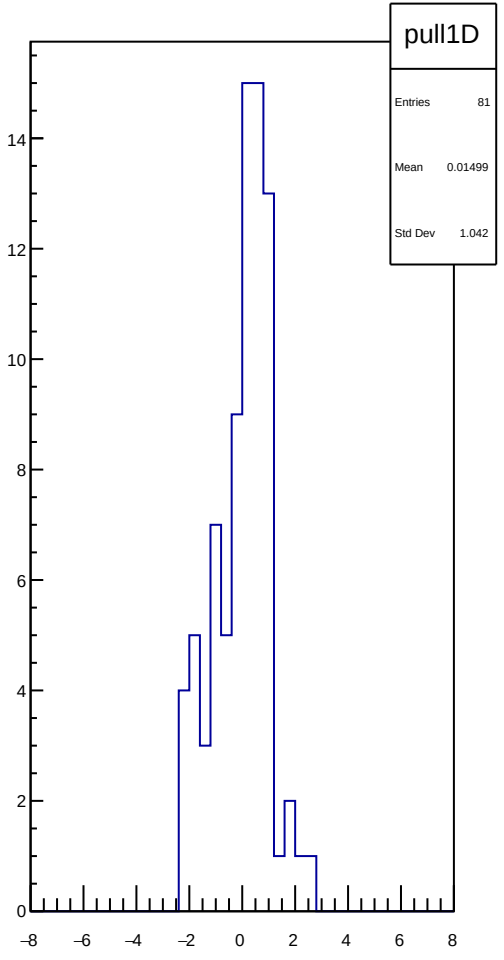

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.01 / 80
p0 −7.703 ± 0.7867
pull
Entries 81
Mean 775.4
Std Dev 743.9

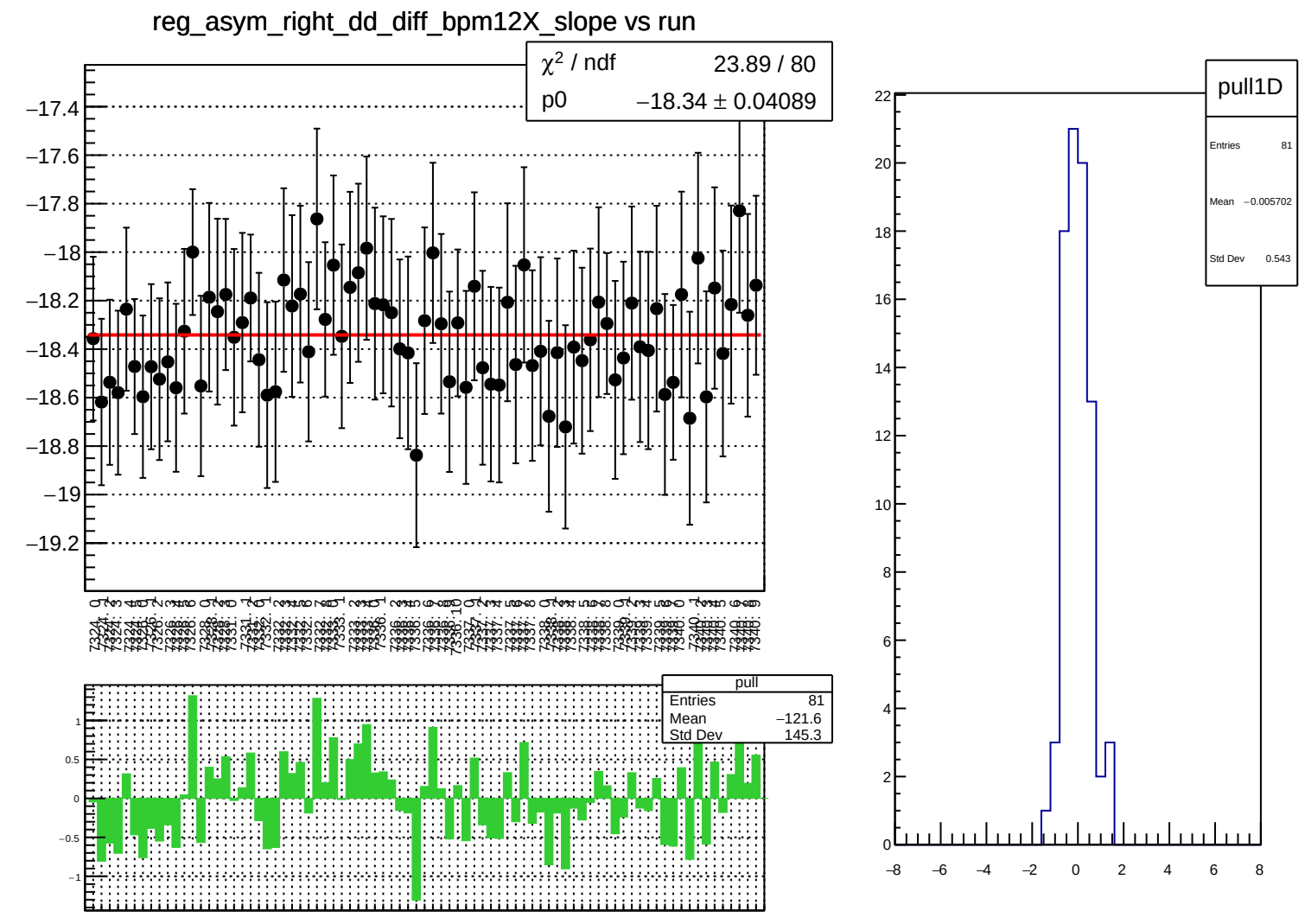

pull1D
Entries 81
Mean −0.01721
Std Dev 0.9875

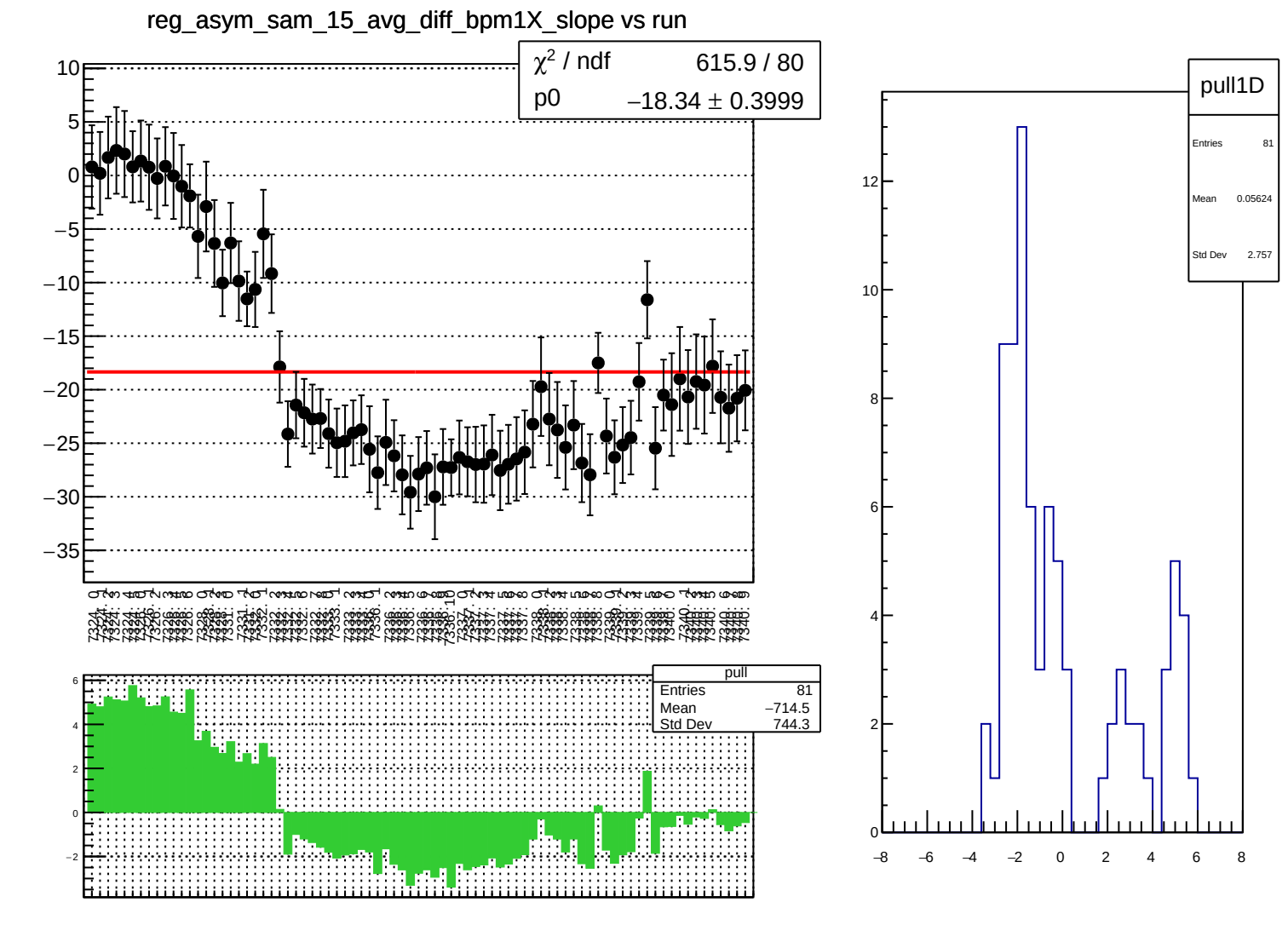

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 204.4 / 80
p0 41.78 ± 0.8658
pull
Entries 81
Mean −128.4
Std Dev 155.9

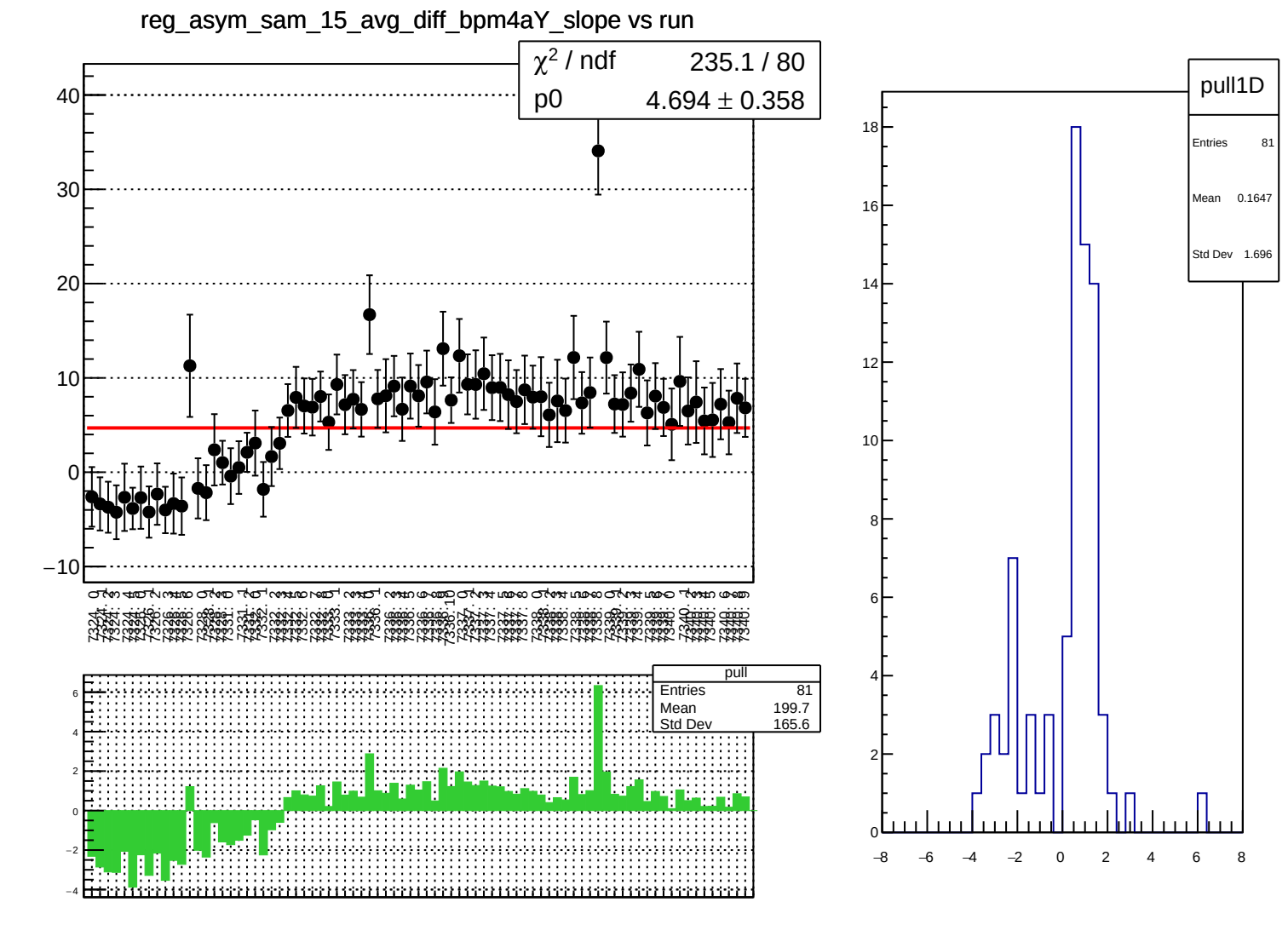

pull1D
Entries 81
Mean 0.1339
Std Dev 1.583

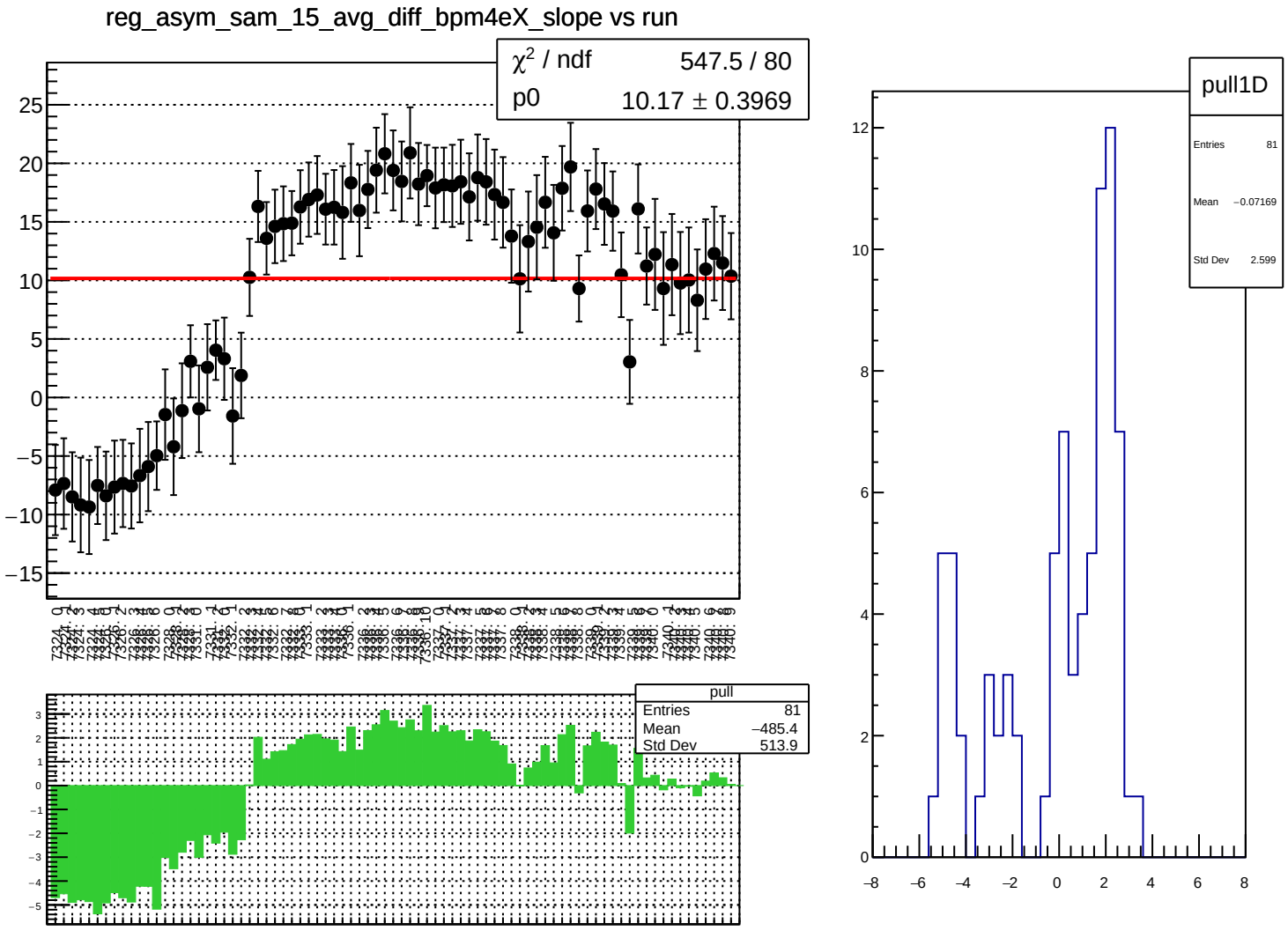

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.91 / 80
p0 16.66 ± 0.8285
pull
Entries 81
Mean 1002
Std Dev 970.4

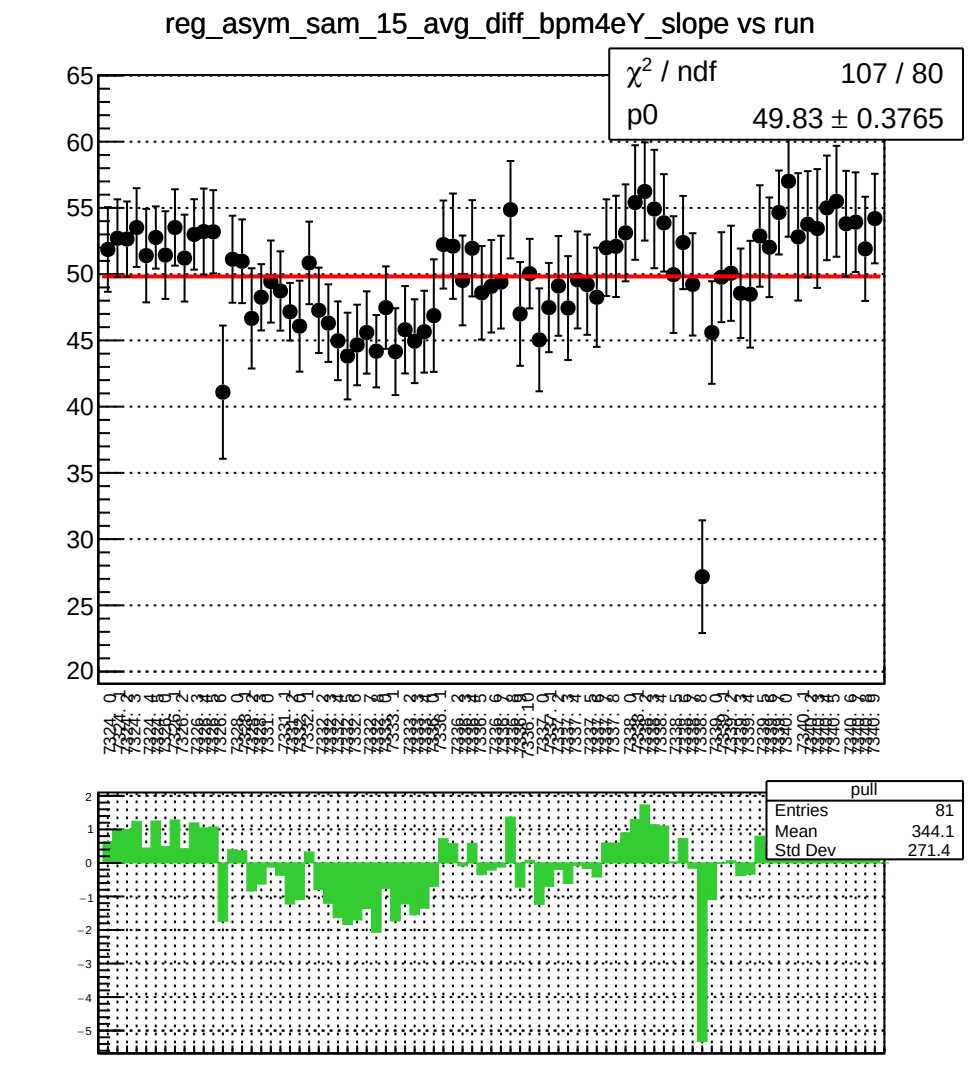

pull1D
Entries 81
Mean 0.01499
Std Dev 1.042

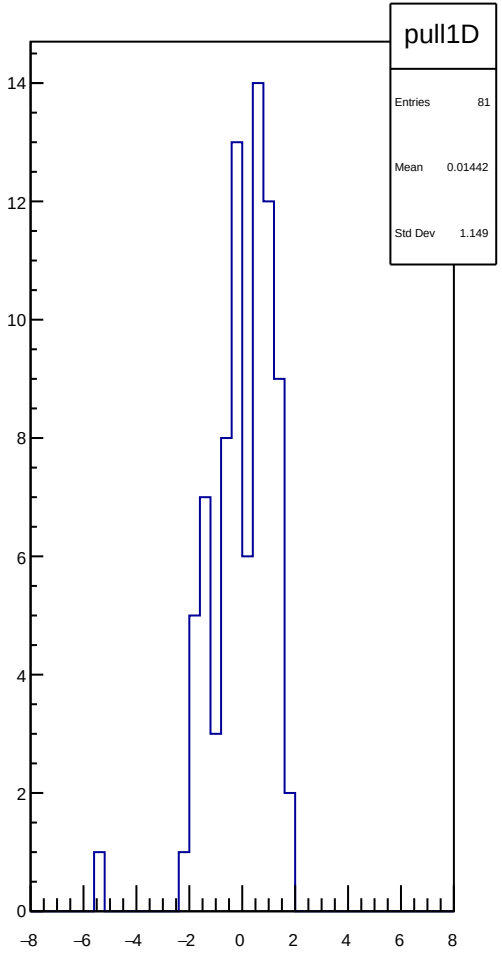

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 23.89 / 80
p0 −18.34 ± 0.04089
pull
Entries 81
Mean −121.6
Std Dev 145.3
pull1D
Entries 81
Mean −0.005702
Std Dev 0.543

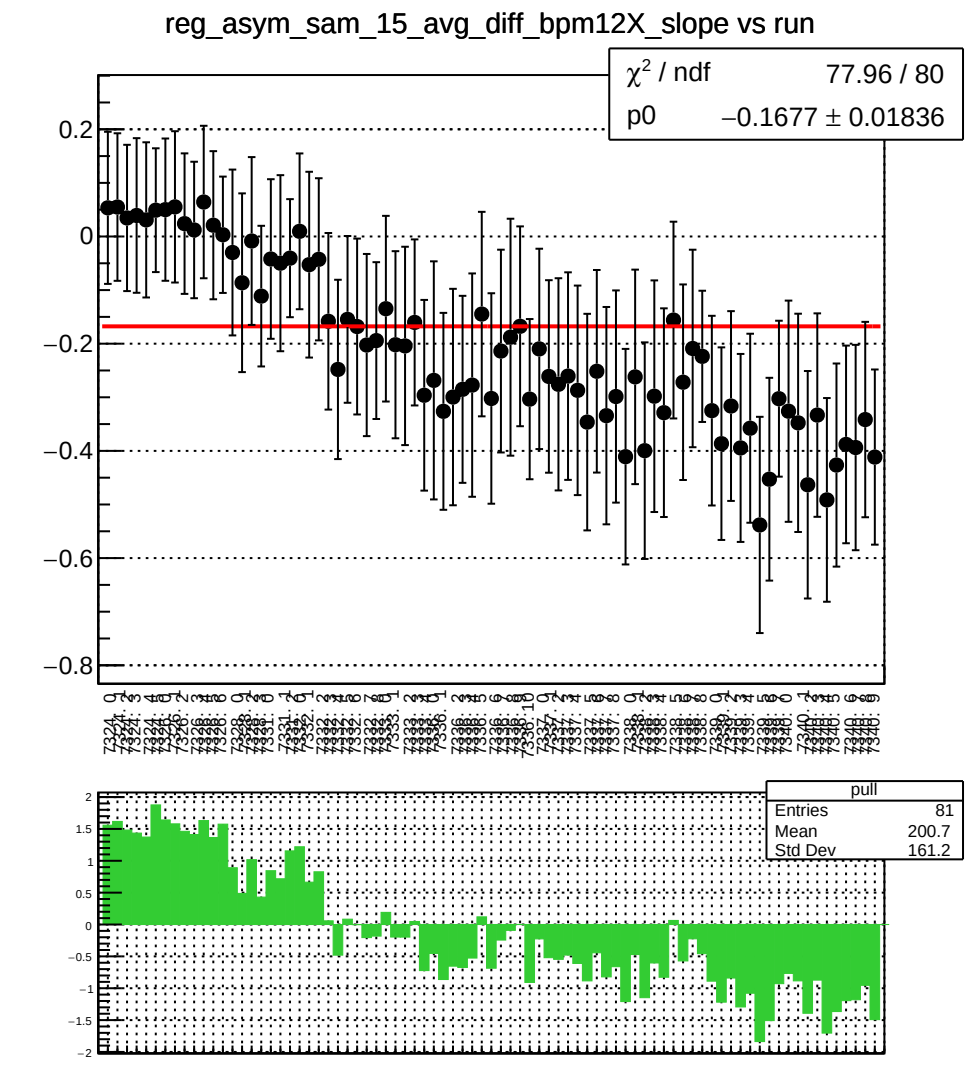

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 615.9 / 80
p0 −18.34 ± 0.3999
pull
Entries 81
Mean −714.5
Std Dev 744.3
pull1D
Entries 81
Mean 0.05624
Std Dev 2.757

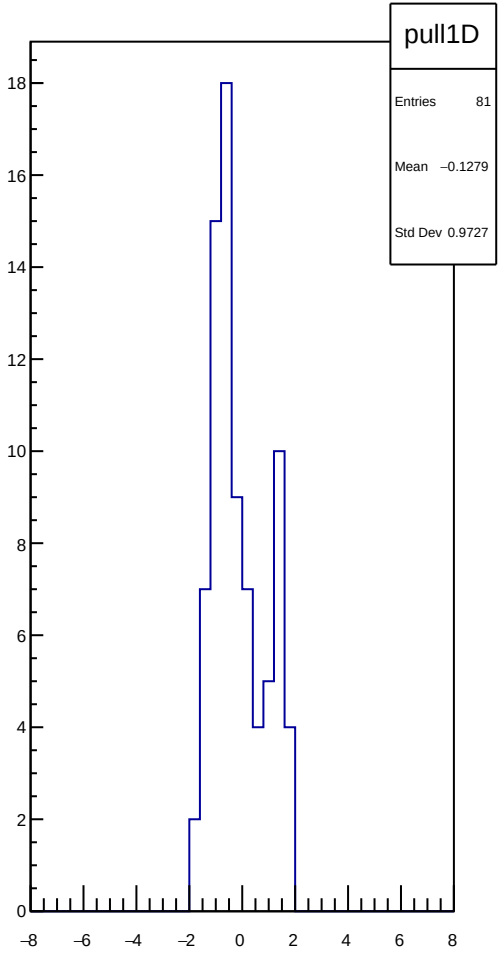

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 235.1 / 80
p0 4.694 ± 0.358
pull
Entries 81
Mean 199.7
Std Dev 165.6
pull1D
Entries 81
Mean 0.1647
Std Dev 1.696

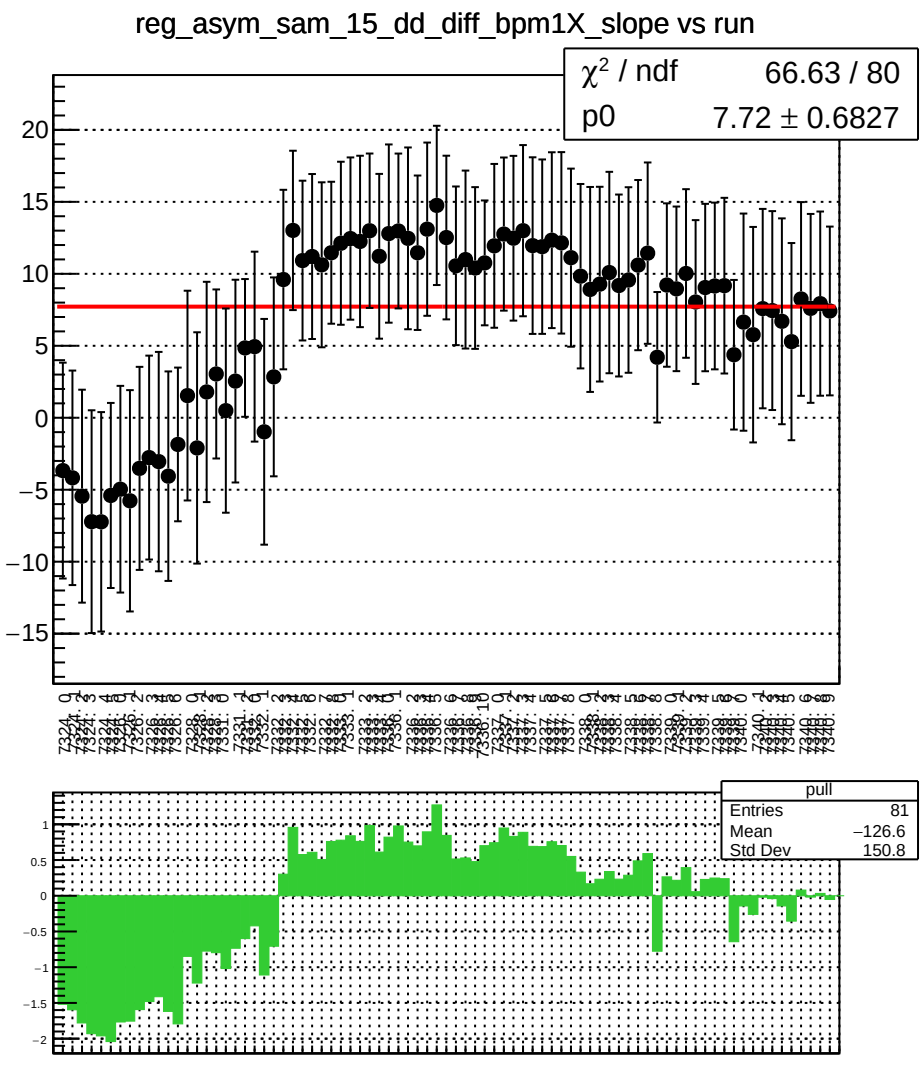

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 547.5 / 80
p0 10.17 ± 0.3969
pull
Entries 81
Mean −485.4
Std Dev 513.9
pull1D
Entries 81
Mean −0.07169
Std Dev 2.599

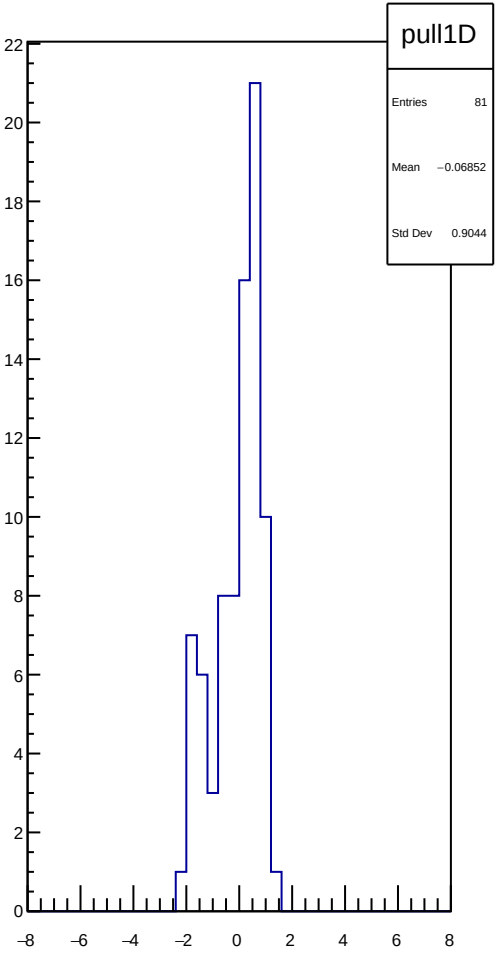

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 107 / 80
p0 49.83 ± 0.3765
pull
Entries 81
Mean 344.1
Std Dev 271.4

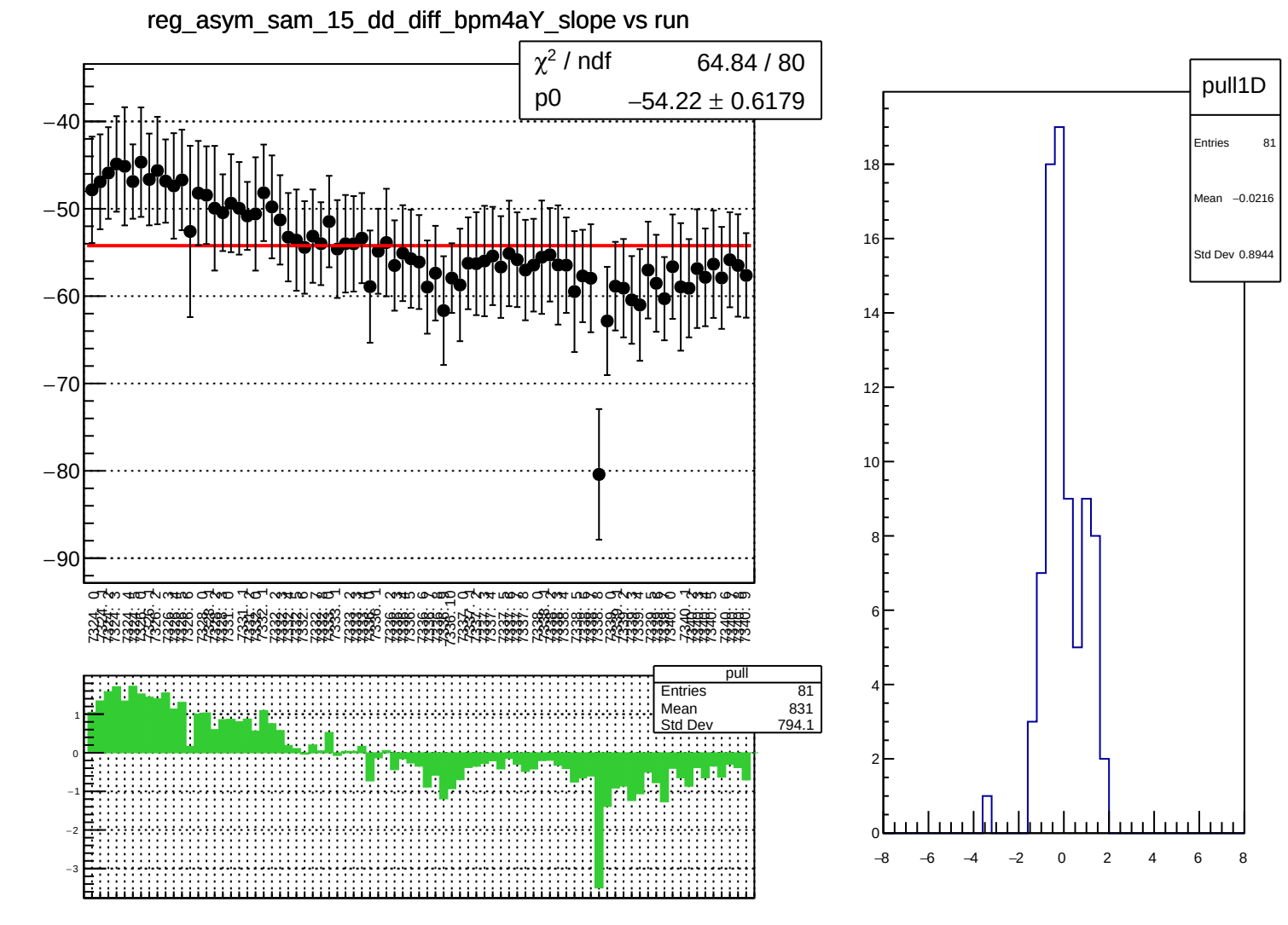

pull1D
Entries 81
Mean 0.01442
Std Dev 1.149

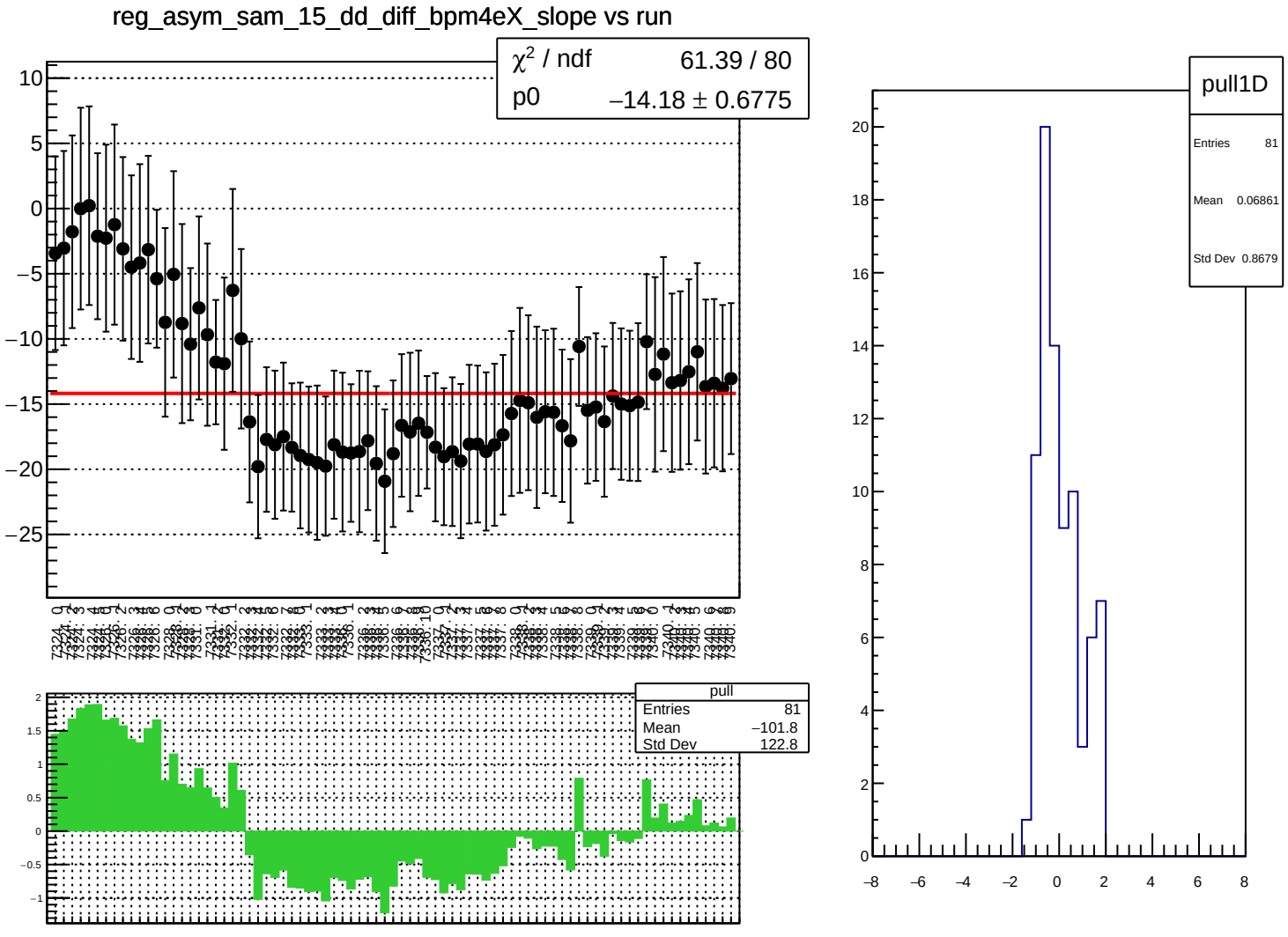

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 77.96 / 80
p0 −0.1677 ± 0.01836
pull
Entries 81
Mean 200.7
Std Dev 161.2

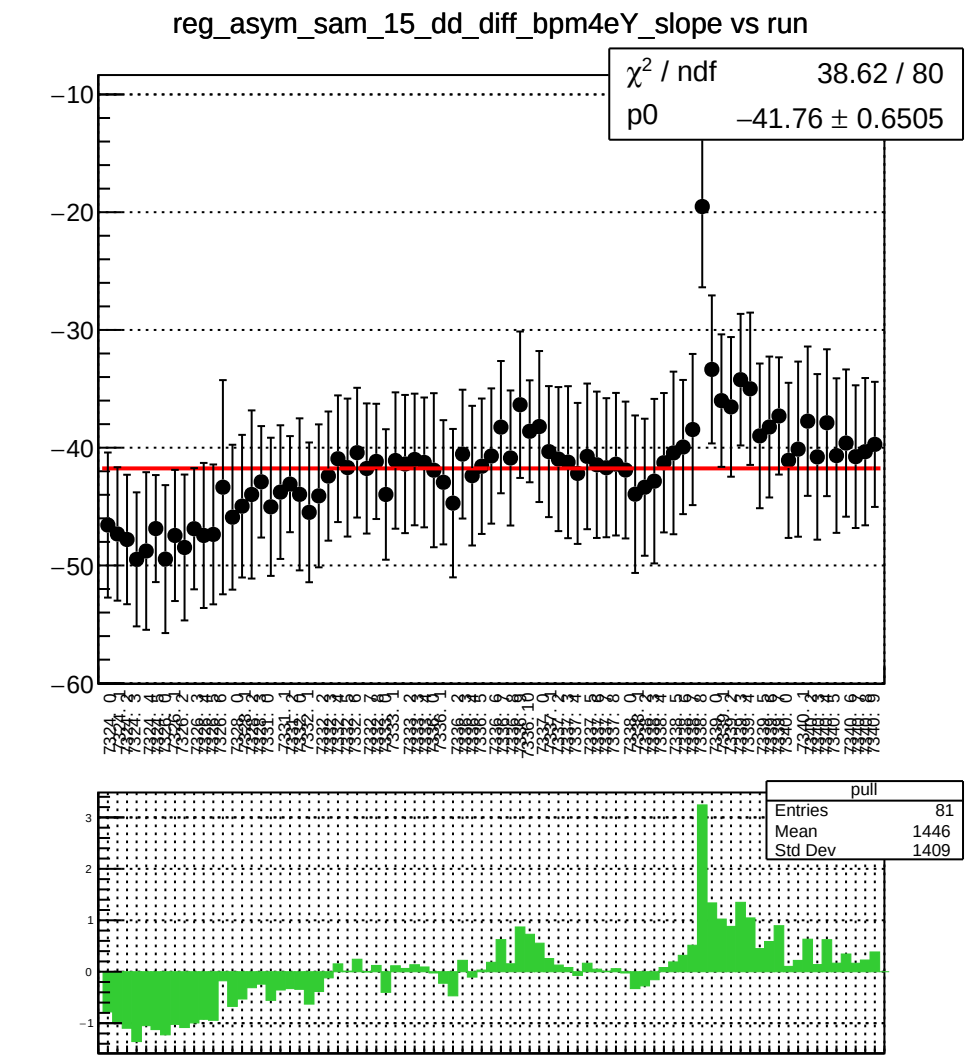

pull1D
Entries 81
Mean −0.1279
Std Dev 0.9727

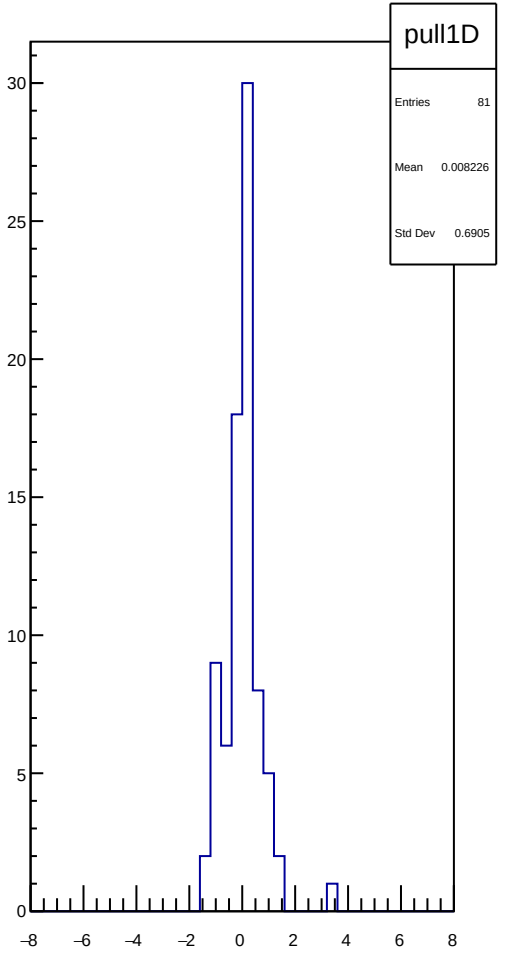

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 66.63 / 80
p0 7.72 ± 0.6827
pull
Entries 81
Mean −126.6
Std Dev 150.8

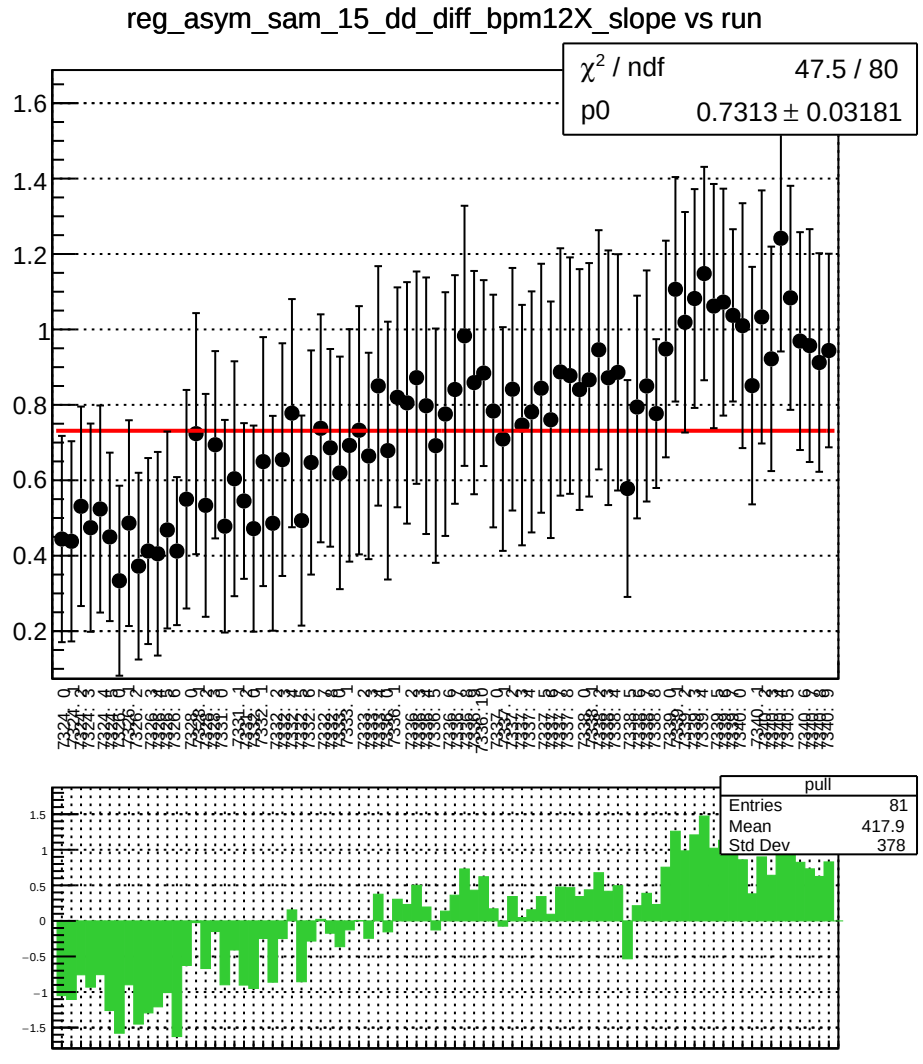

pull1D
Entries 81
Mean −0.06852
Std Dev 0.9044

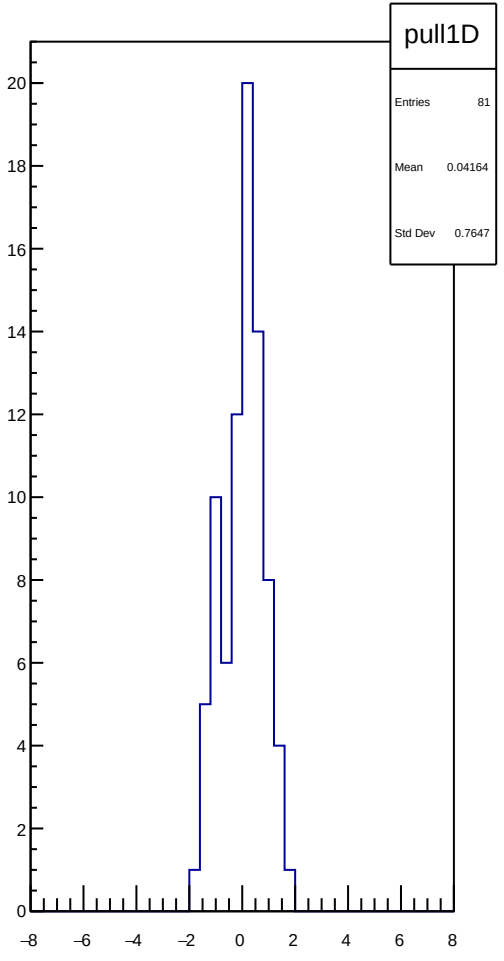

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.84 / 80
p0 −54.22 ± 0.6179
pull
Entries 81
Mean 831
Std Dev 794.1
pull1D
Entries 81
Mean −0.0216
Std Dev 0.8944

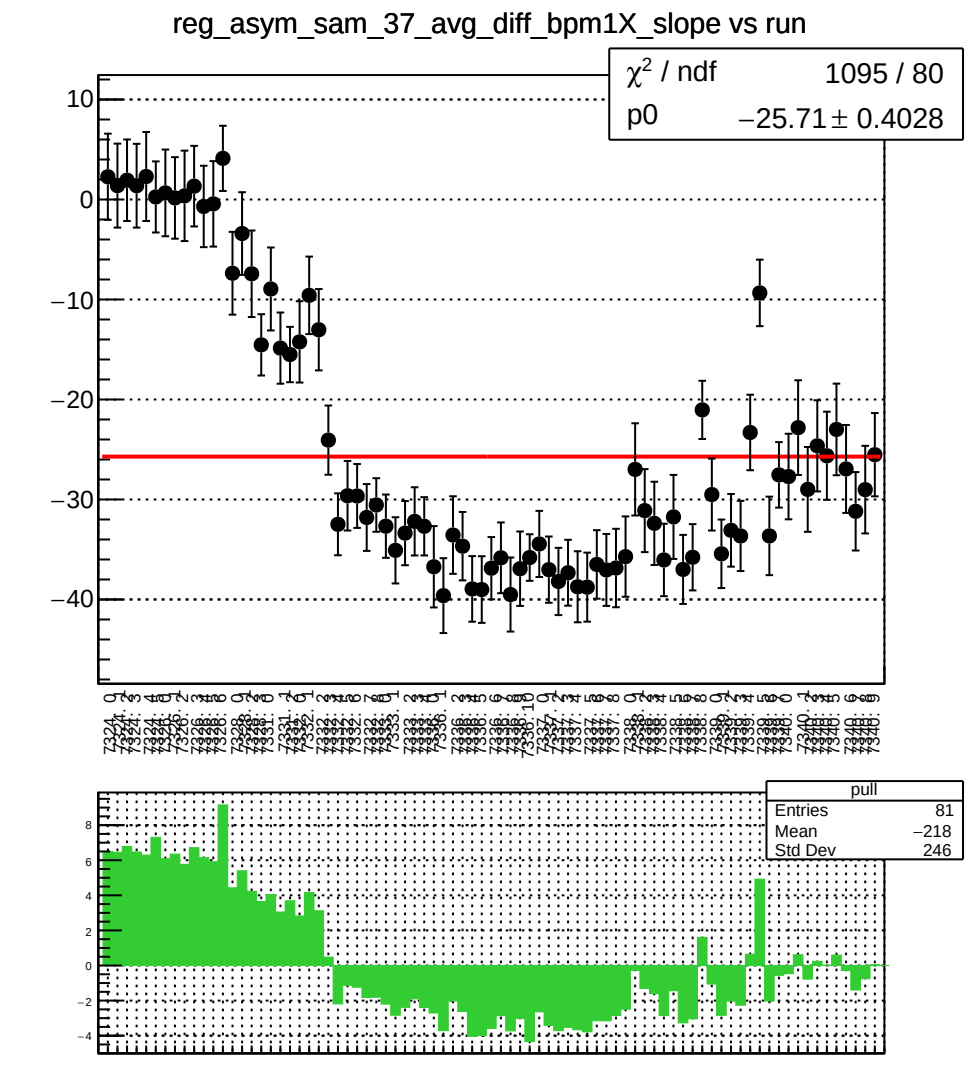

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.39 / 80
p0 −14.18 ± 0.6775
pull
Entries 81
Mean −101.8
Std Dev 122.8
pull1D
Entries 81
Mean 0.06861
Std Dev 0.8679

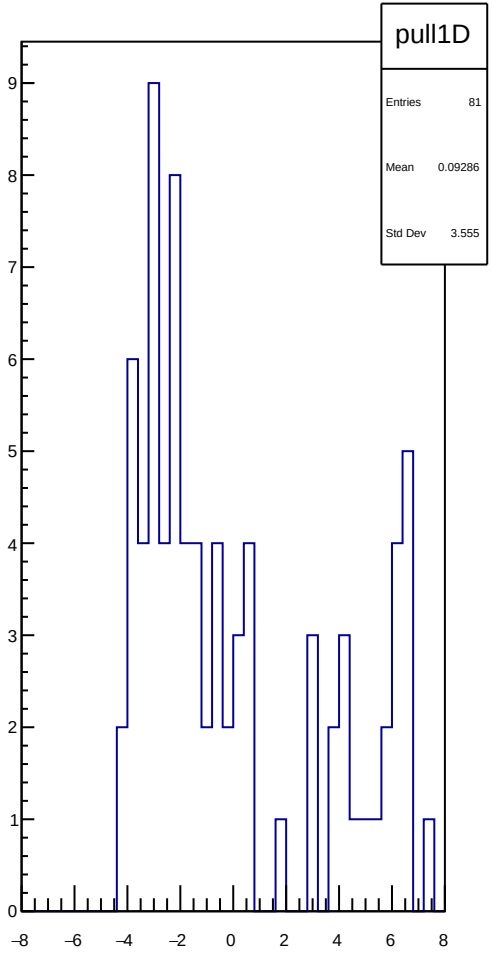

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.62 / 80
p0 −41.76 ± 0.6505
pull
Entries 81
Mean 1446
Std Dev 1409

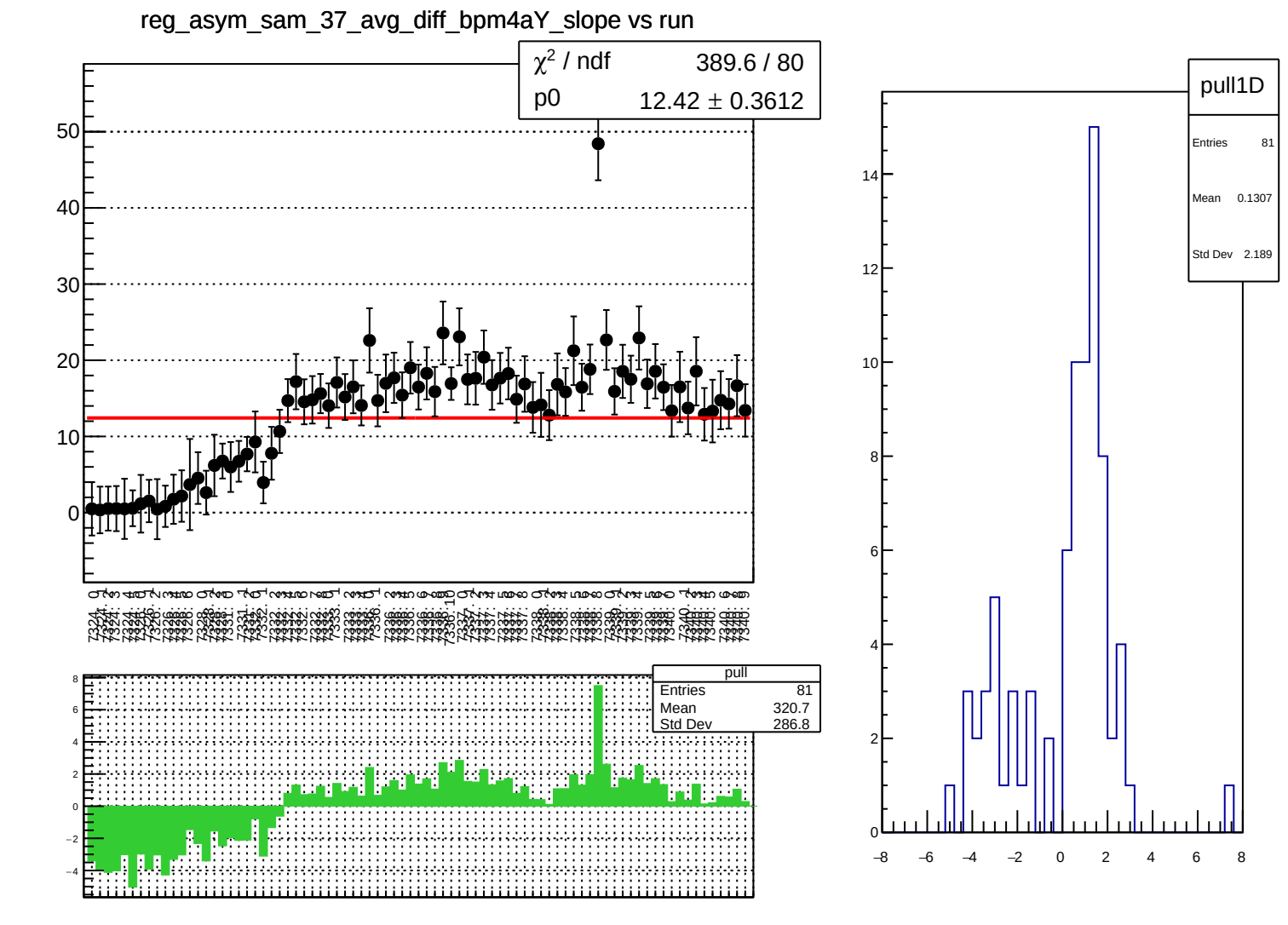

pull1D
Entries 81
Mean 0.008226
Std Dev 0.6905

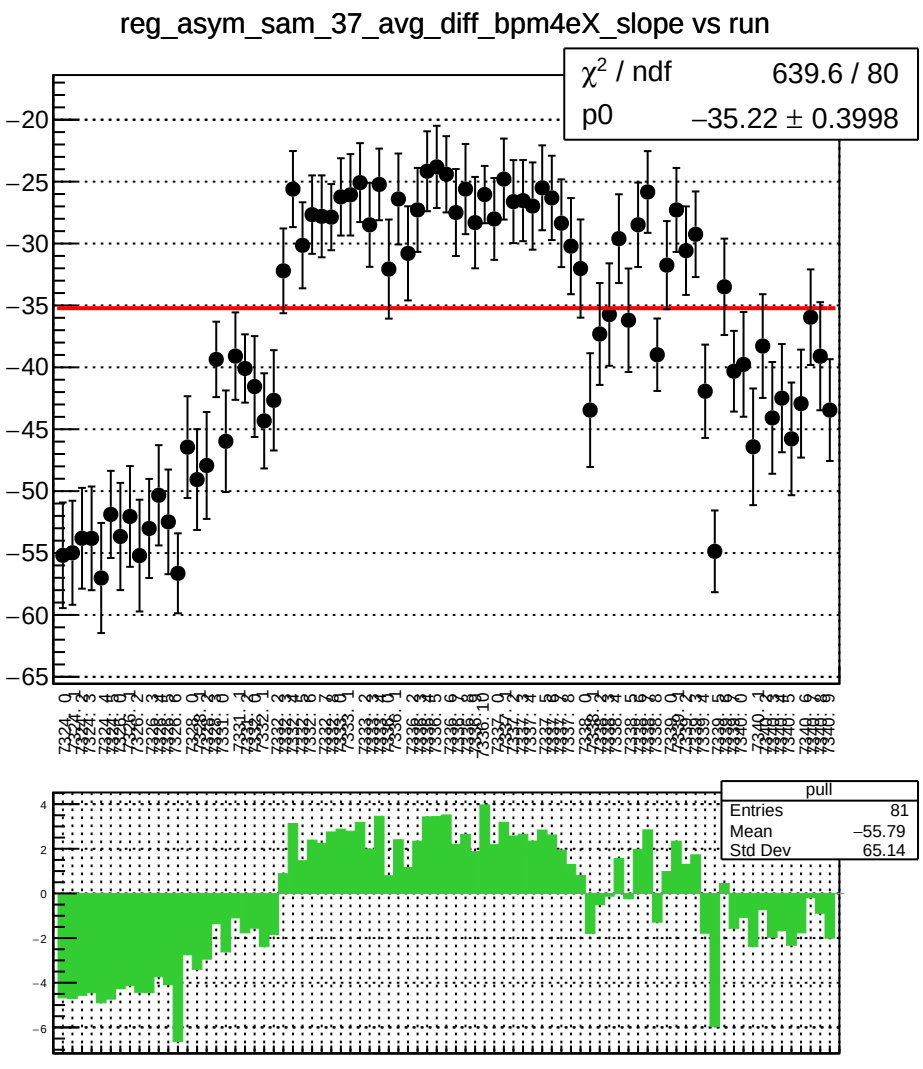

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 47.5 / 80
p0 0.7313 ± 0.03181
pull
Entries 81
Mean 417.9
Std Dev 378

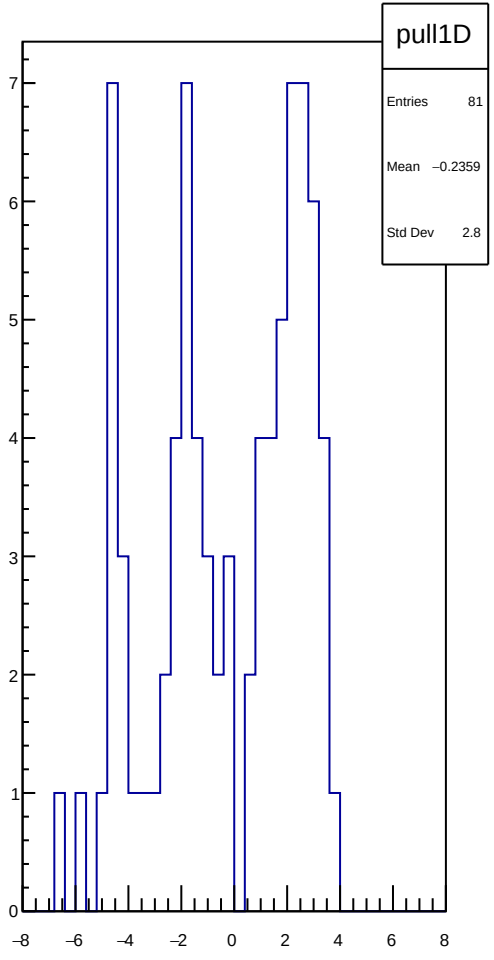

pull1D
Entries 81
Mean 0.04164
Std Dev 0.7647

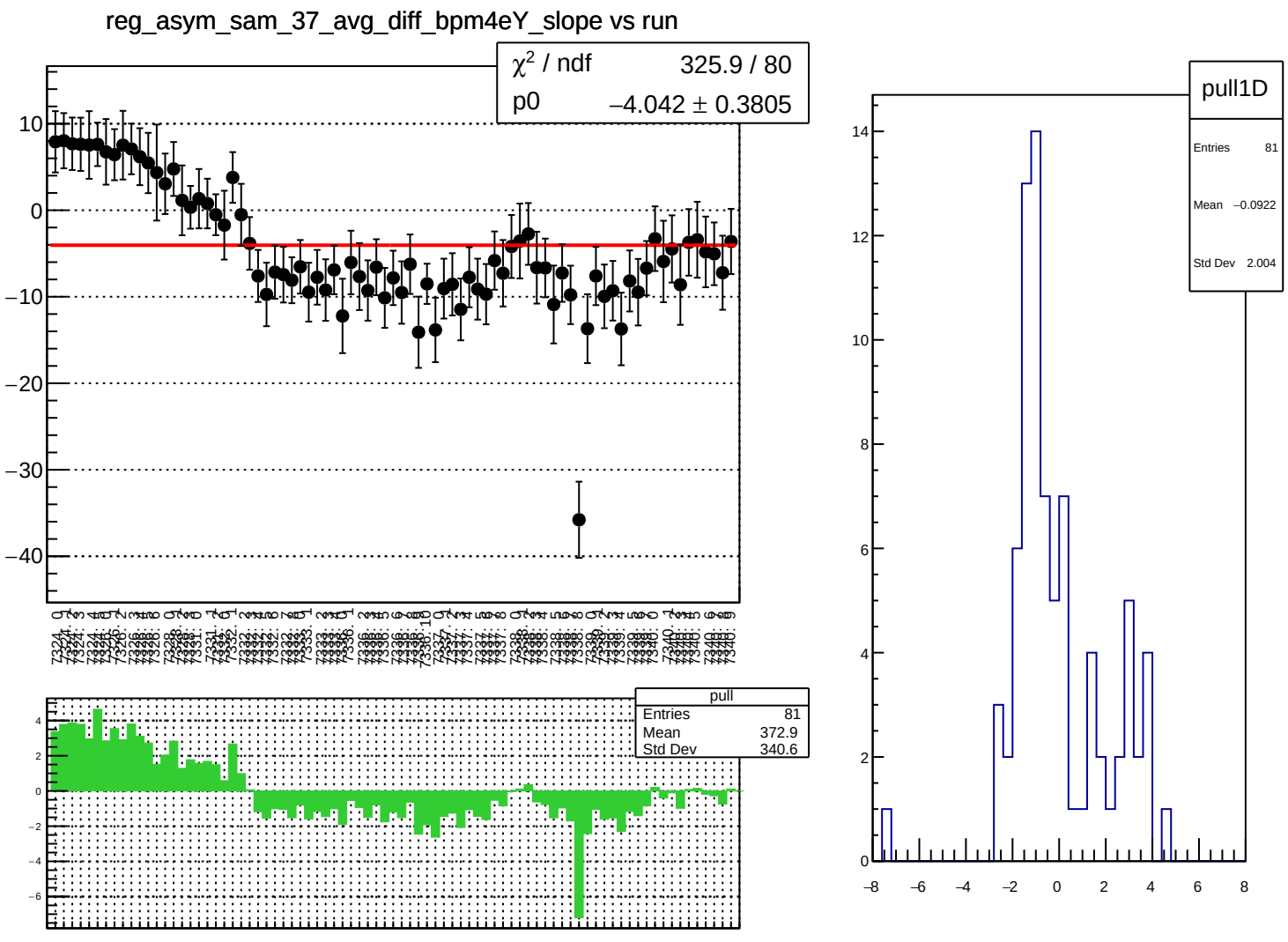

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1095 / 80
p0 −25.71 ± 0.4028
pull
Entries 81
Mean −218
Std Dev 246

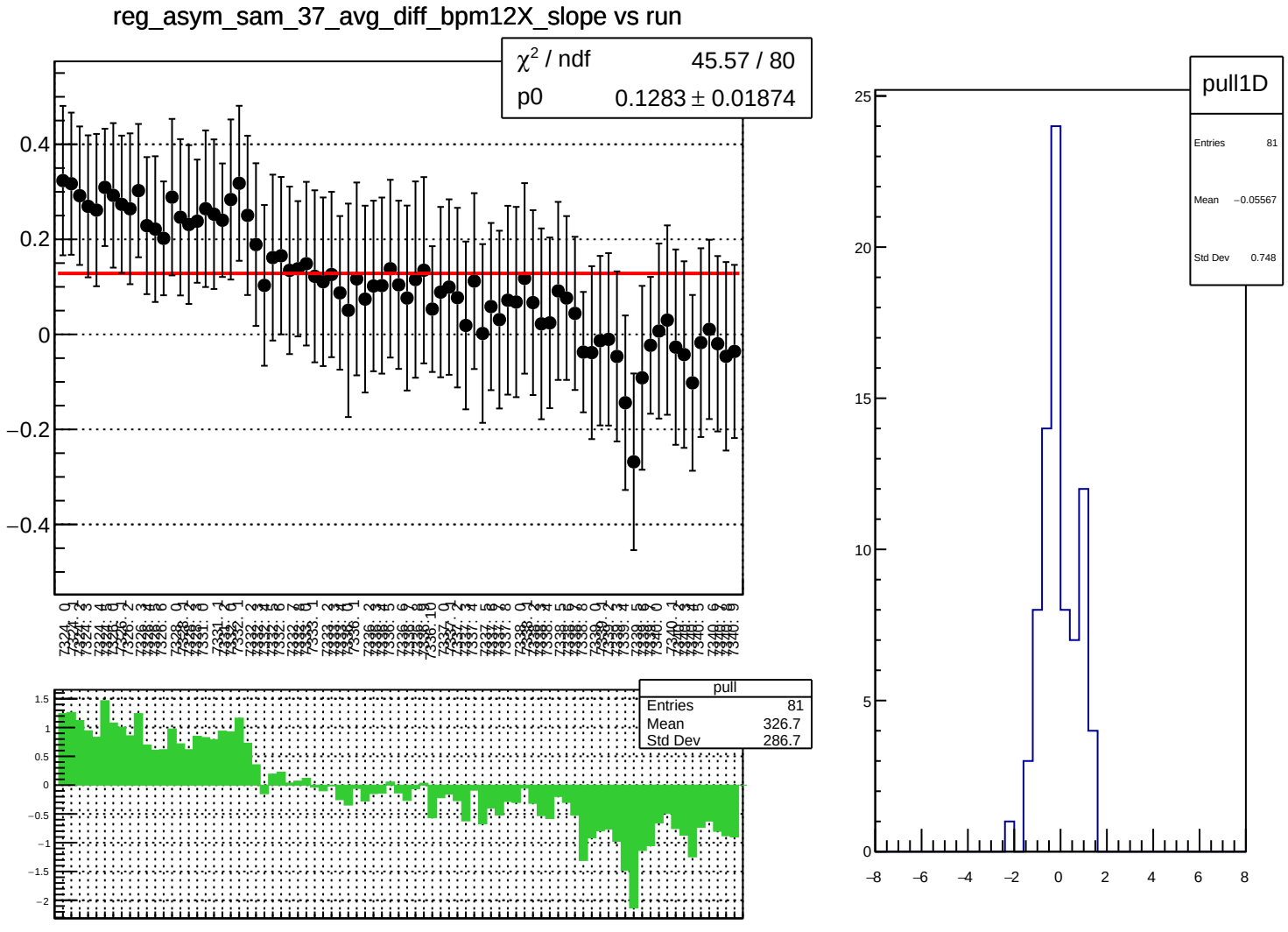

pull1D
Entries 81
Mean 0.09286
Std Dev 3.555

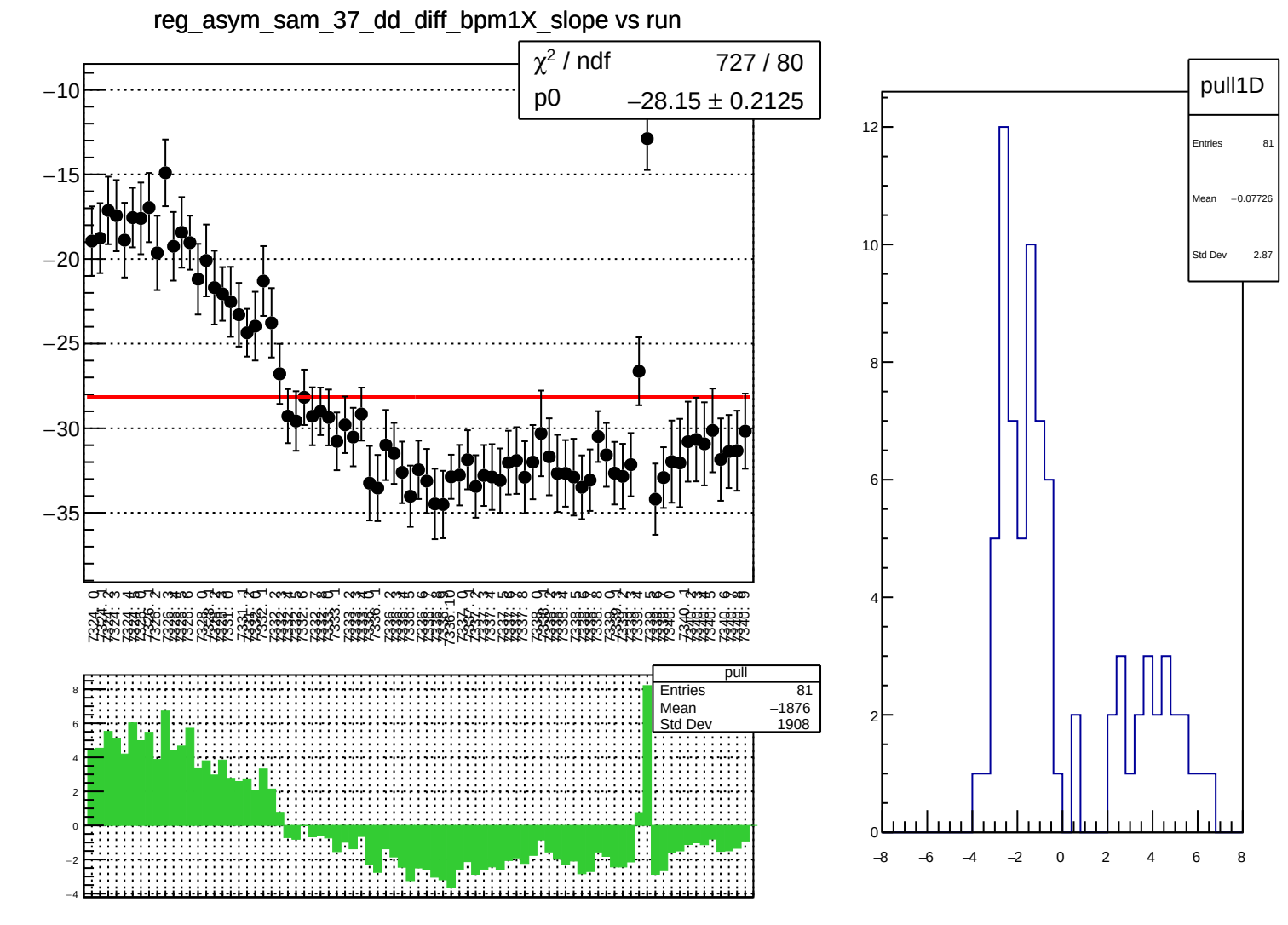

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 389.6 / 80
p0 12.42 ± 0.3612
pull
Entries 81
Mean 320.7
Std Dev 286.8
pull1D
Entries 81
Mean 0.1307
Std Dev 2.189

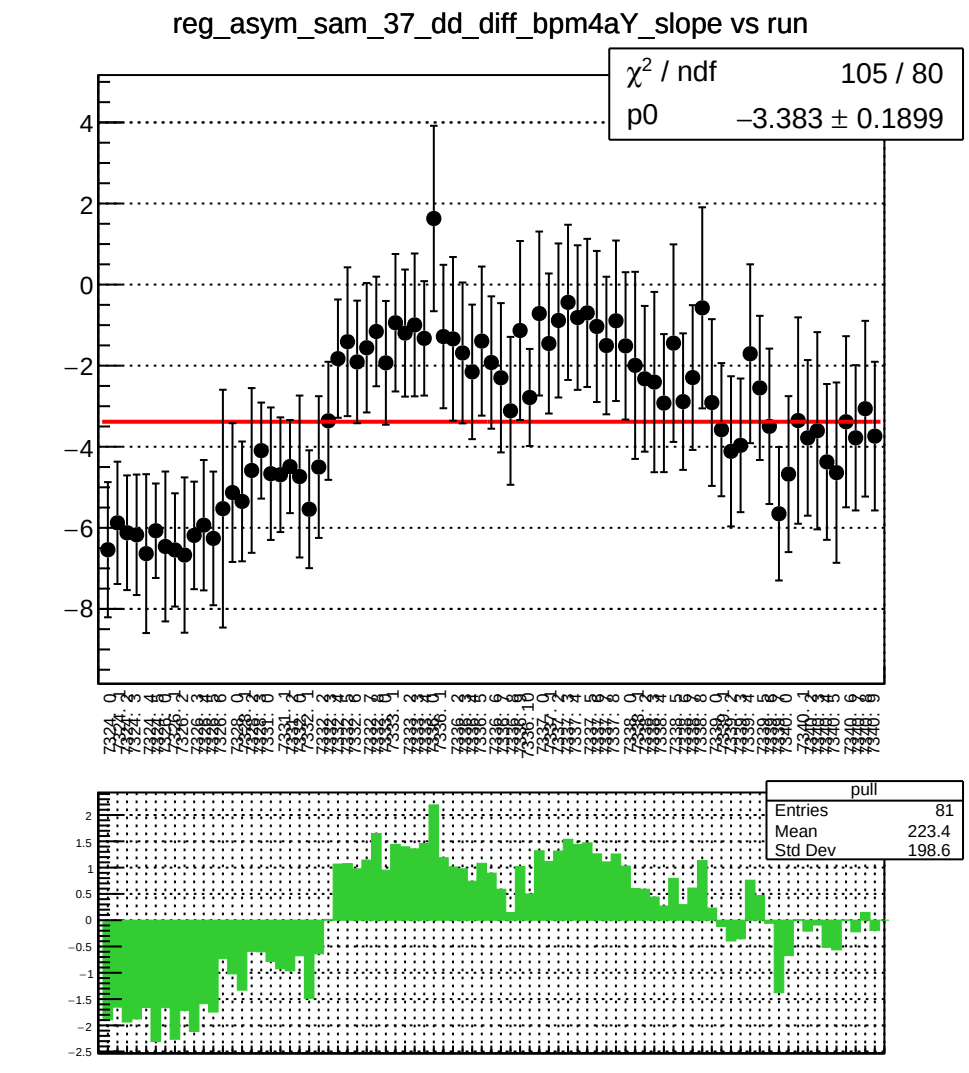

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 639.6 / 80
p0 −35.22 ± 0.3998
pull
Entries 81
Mean −55.79
Std Dev 65.14

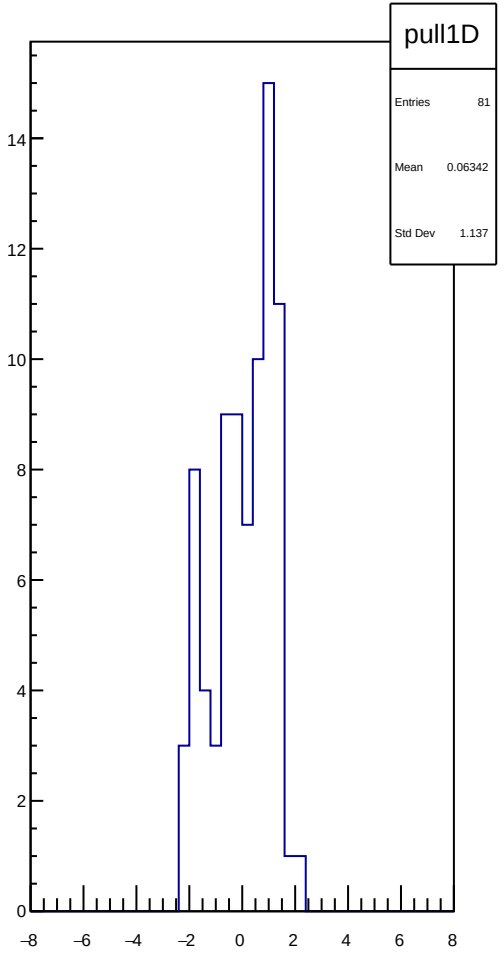

pull1D
Entries 81
Mean −0.2359
Std Dev 2.8

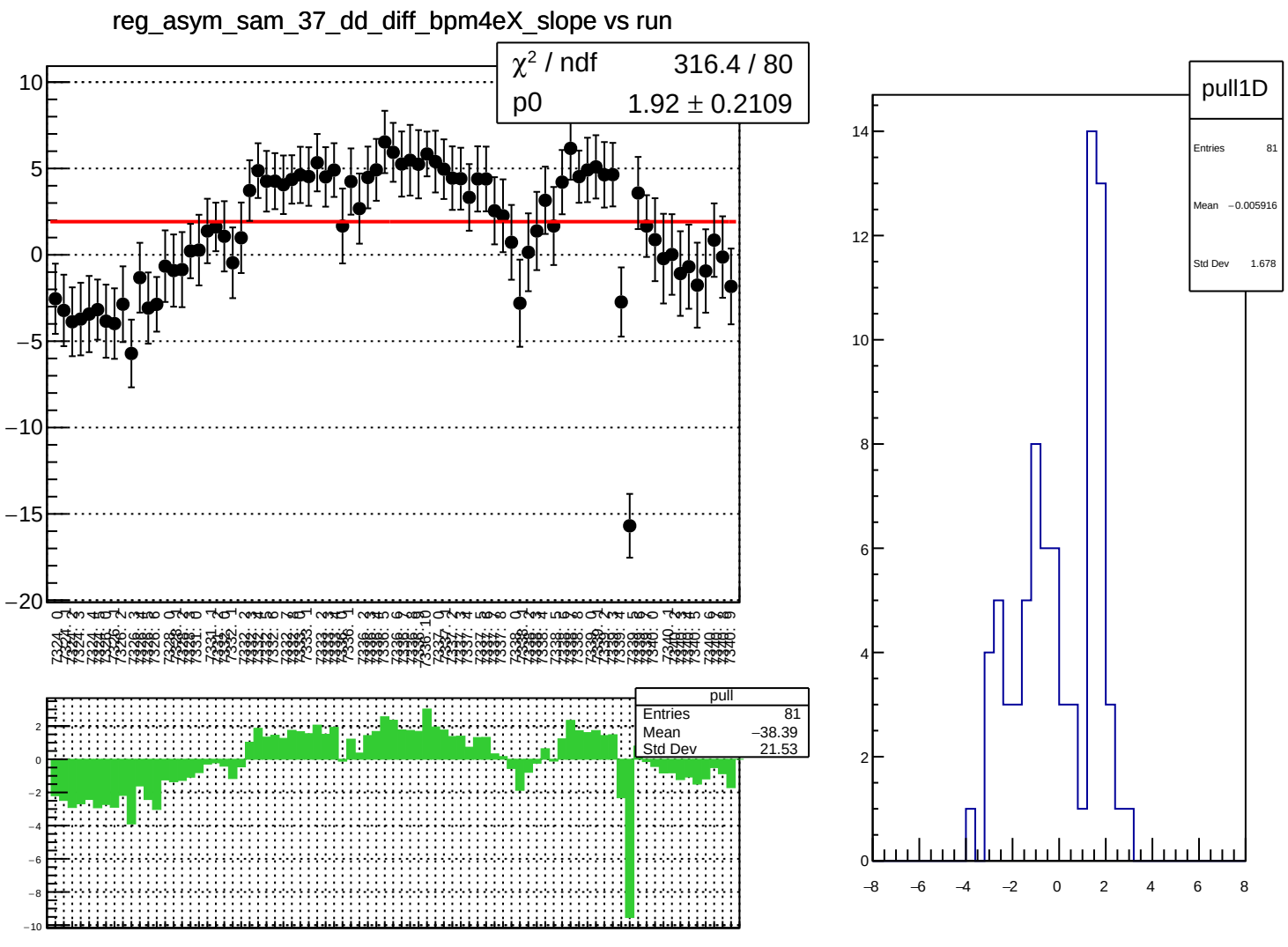

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 325.9 / 80
p0 −4.042 ± 0.3805
pull
Entries 81
Mean 372.9
Std Dev 340.6
pull1D
Entries 81
Mean −0.0922
Std Dev 2.004

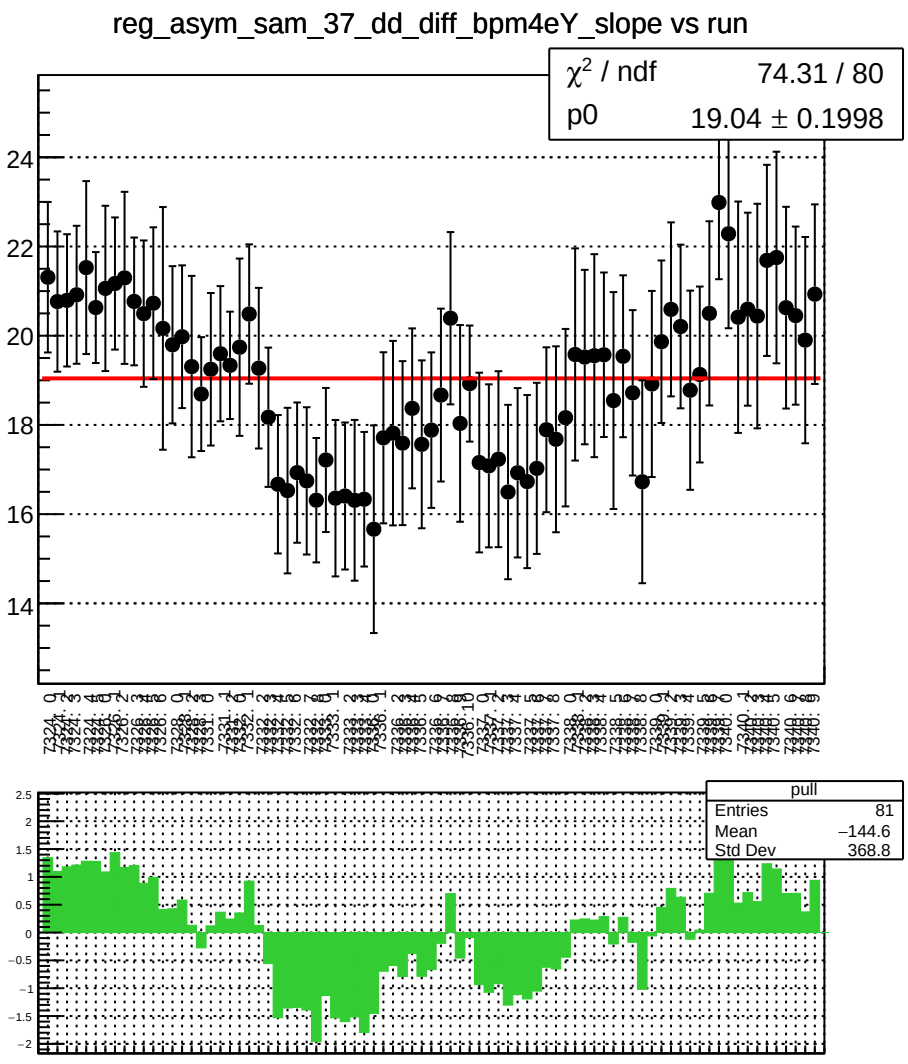

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 45.57 / 80
p0 0.1283 ± 0.01874
pull
Entries 81
Mean 326.7
Std Dev 286.7
pull1D
Entries 81
Mean −0.05567
Std Dev 0.748

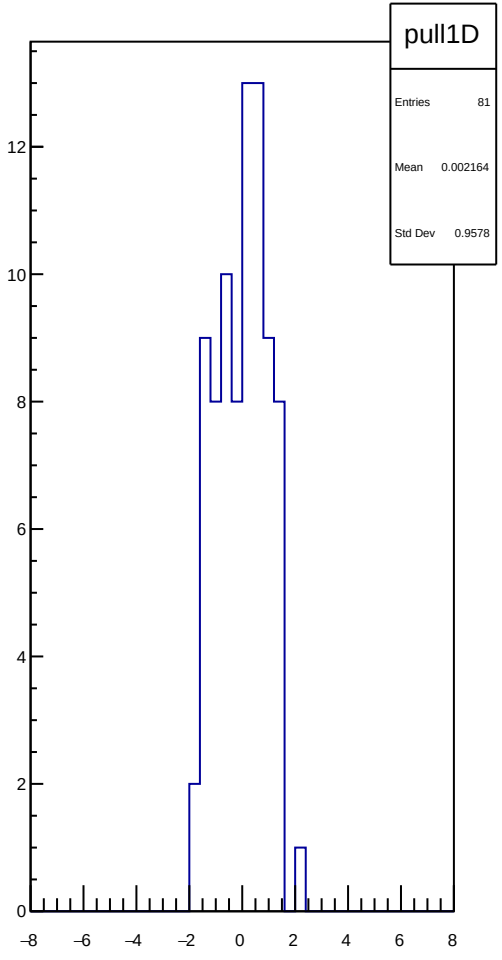

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 727 / 80
p0 −28.15 ± 0.2125
pull
Entries 81
Mean −1876
Std Dev 1908
pull1D
Entries 81
Mean −0.07726
Std Dev 2.87

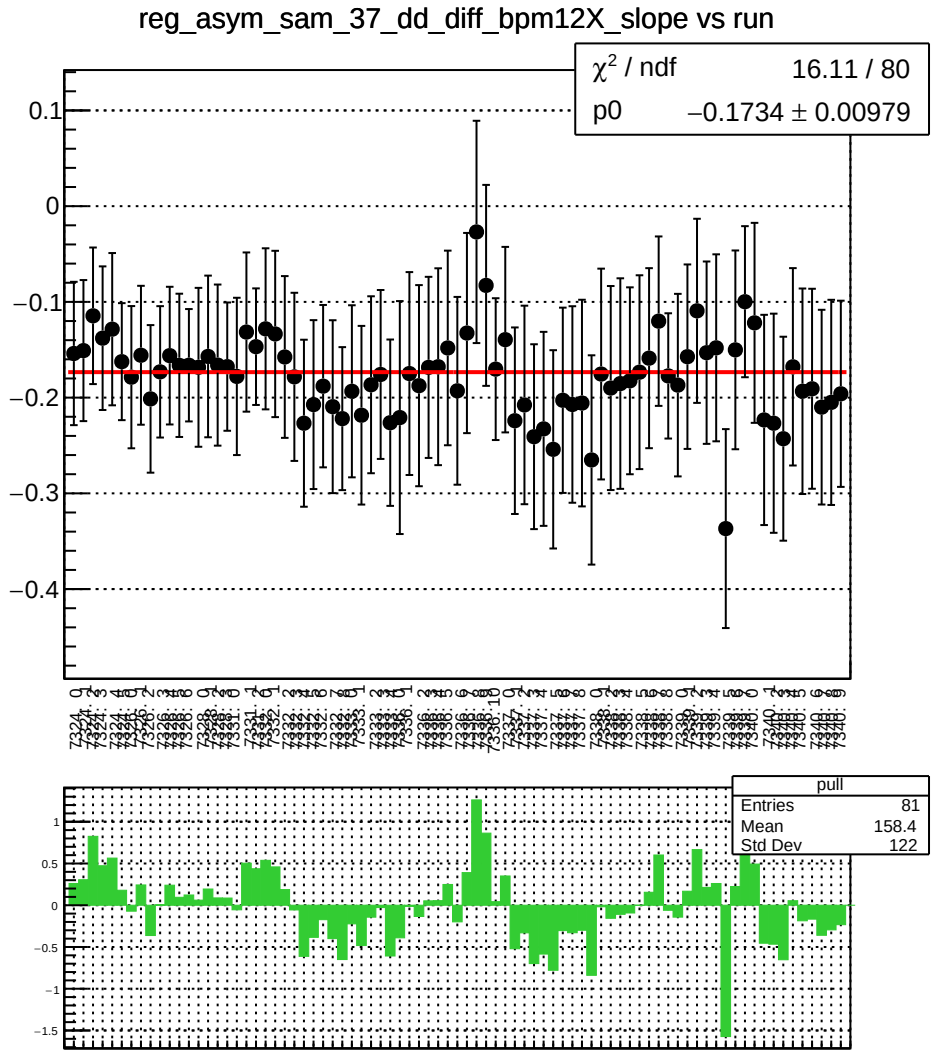

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 105 / 80
p0 −3.383 ± 0.1899
pull
Entries 81
Mean 223.4
Std Dev 198.6

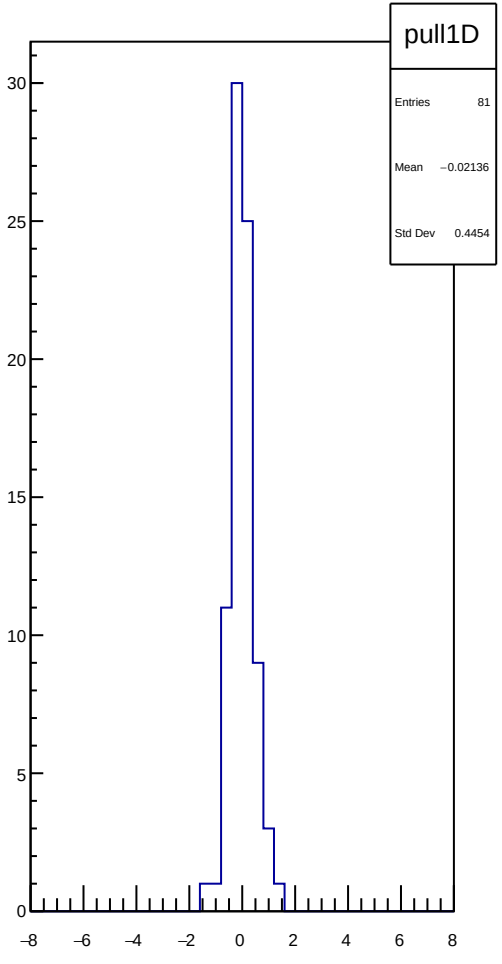

pull1D
Entries 81
Mean 0.06342
Std Dev 1.137

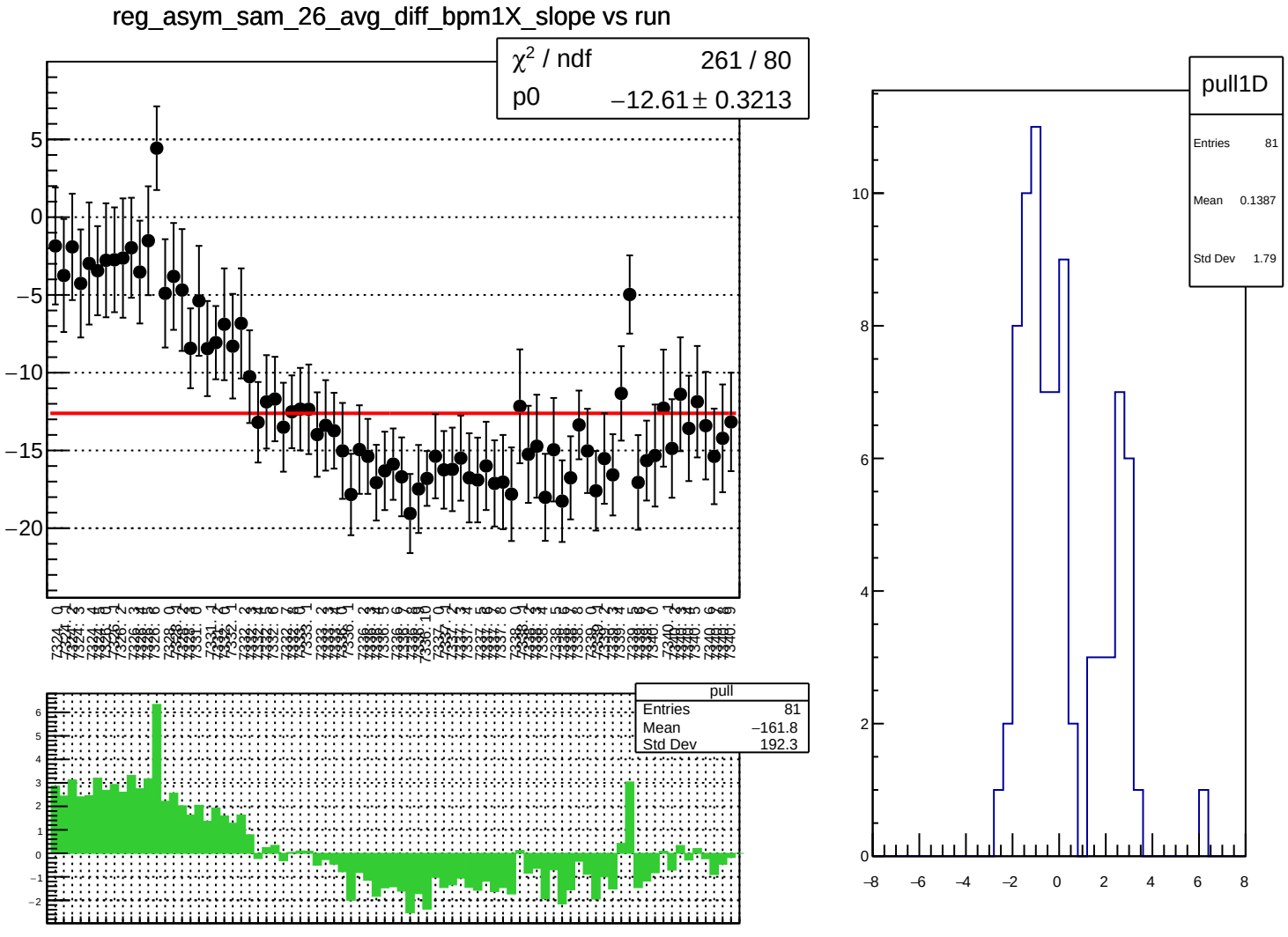

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 316.4 / 80
p0 1.92 ± 0.2109
pull
Entries 81
Mean −38.39
Std Dev 21.53
pull1D
Entries 81
Mean −0.005916
Std Dev 1.678

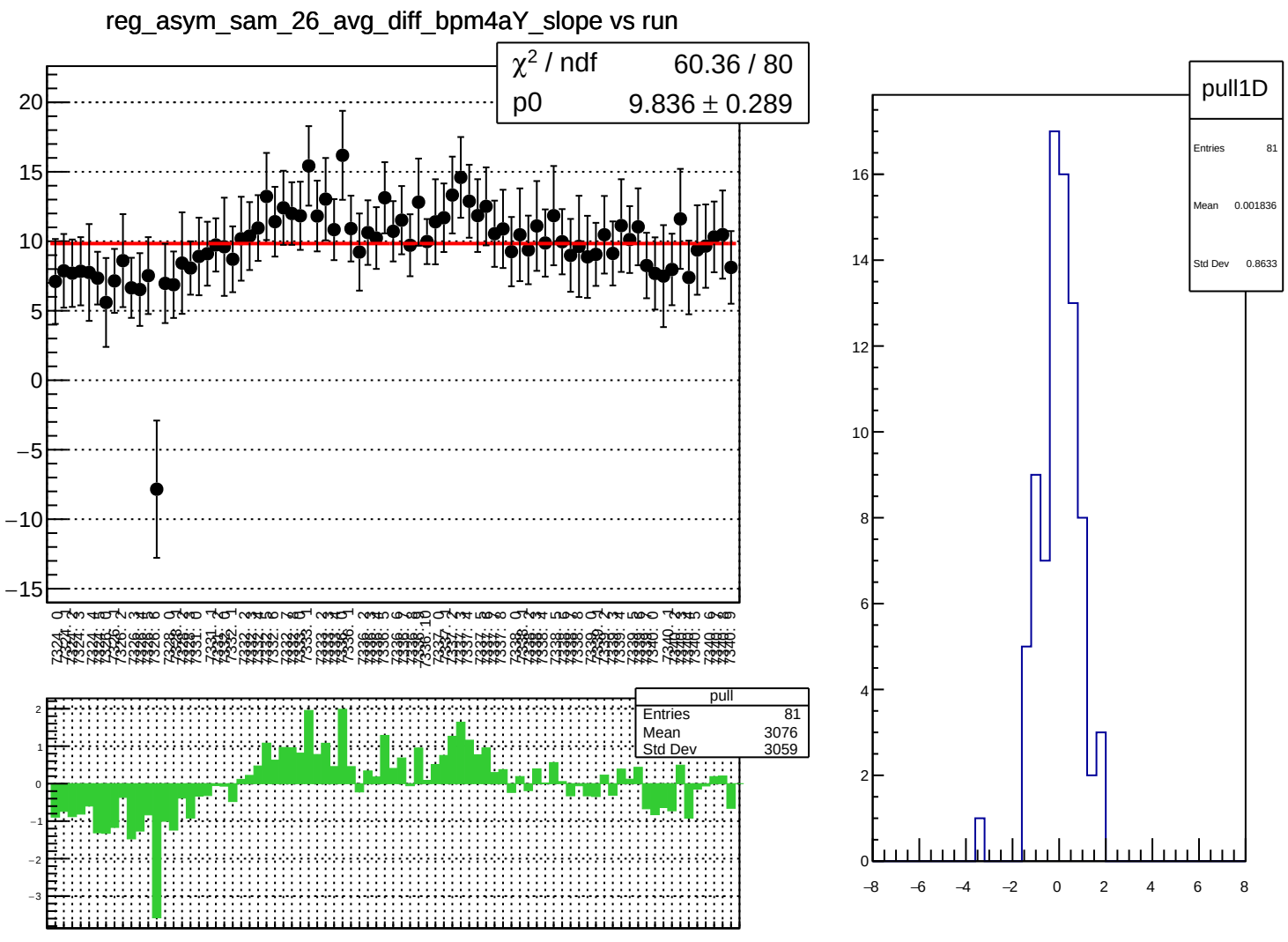

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.31 / 80
p0 19.04 ± 0.1998
pull
Entries 81
Mean −144.6
Std Dev 368.8

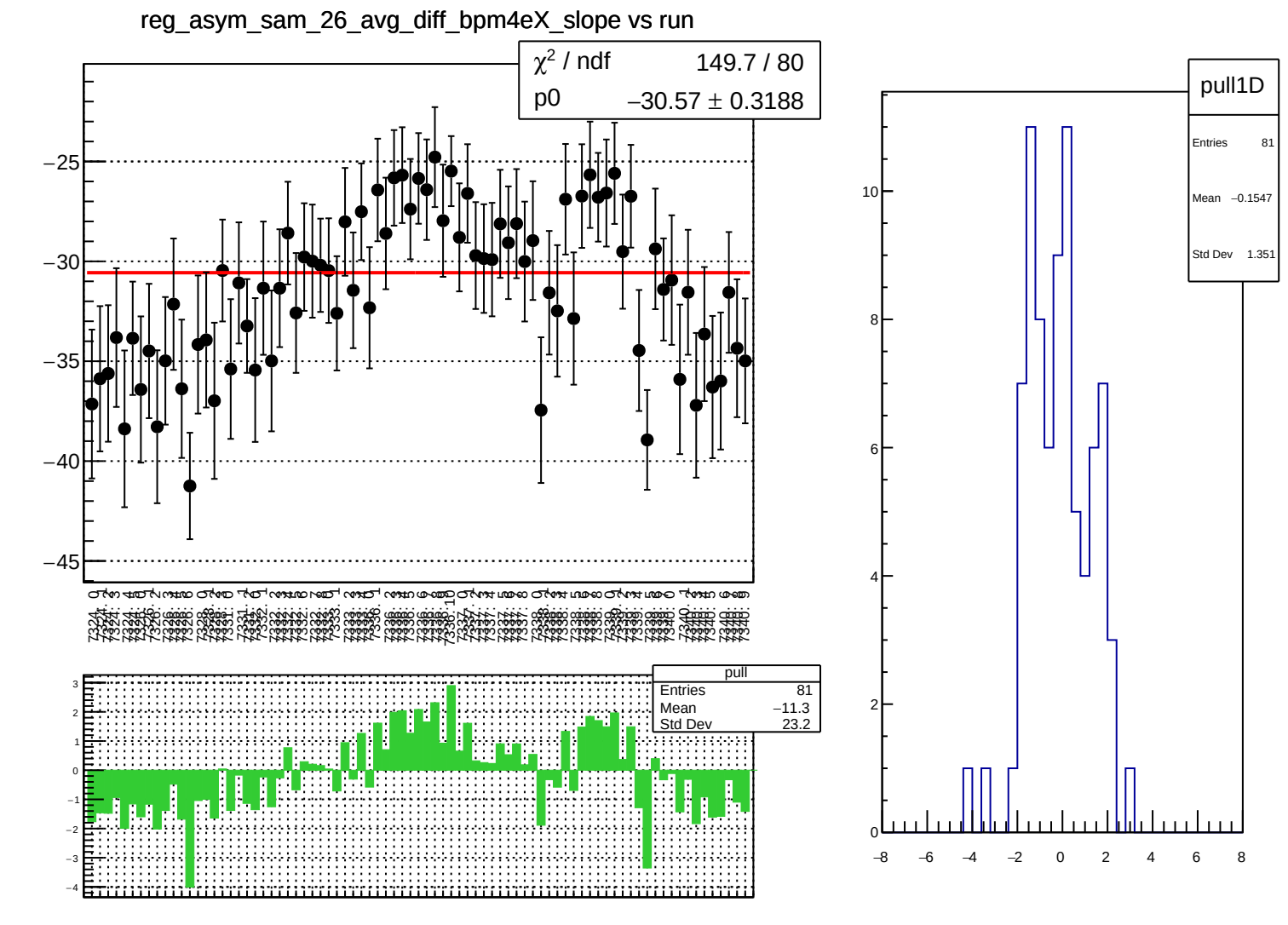

pull1D
Entries 81
Mean 0.002164
Std Dev 0.9578

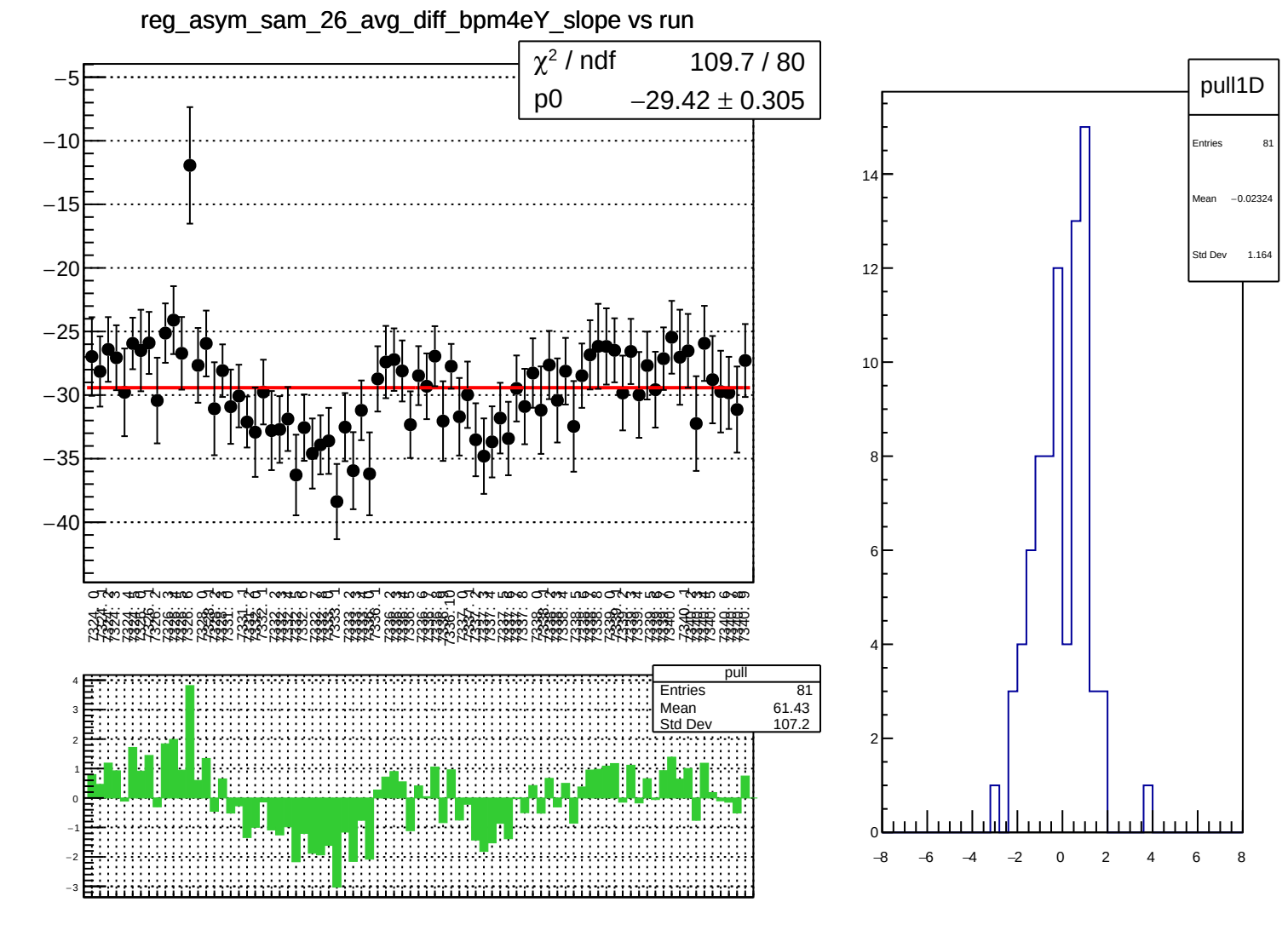

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.11 / 80
p0 −0.1734 ± 0.00979
pull
Entries 81
Mean 158.4
Std Dev 122

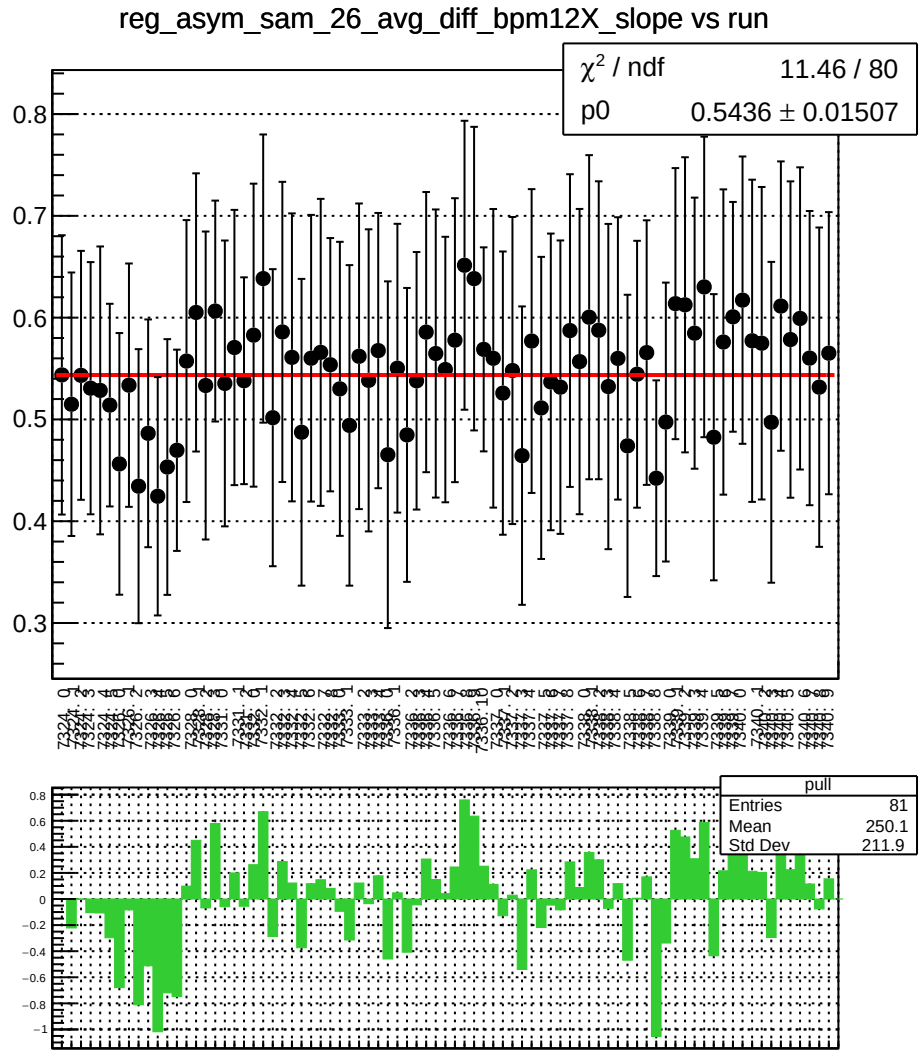

pull1D
Entries 81
Mean −0.02136
Std Dev 0.4454

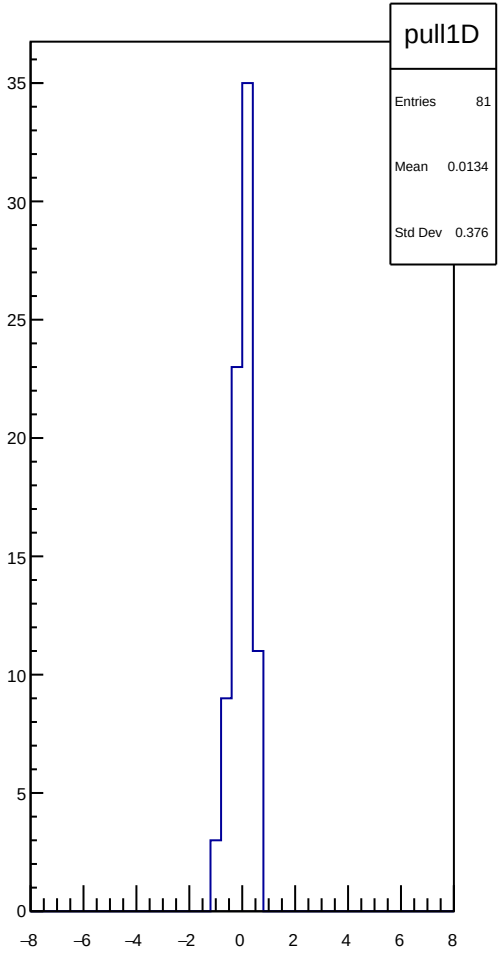

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 261 / 80
p0 −12.61 ± 0.3213
pull
Entries 81
Mean −161.8
Std Dev 192.3
pull1D
Entries 81
Mean 0.1387
Std Dev 1.79

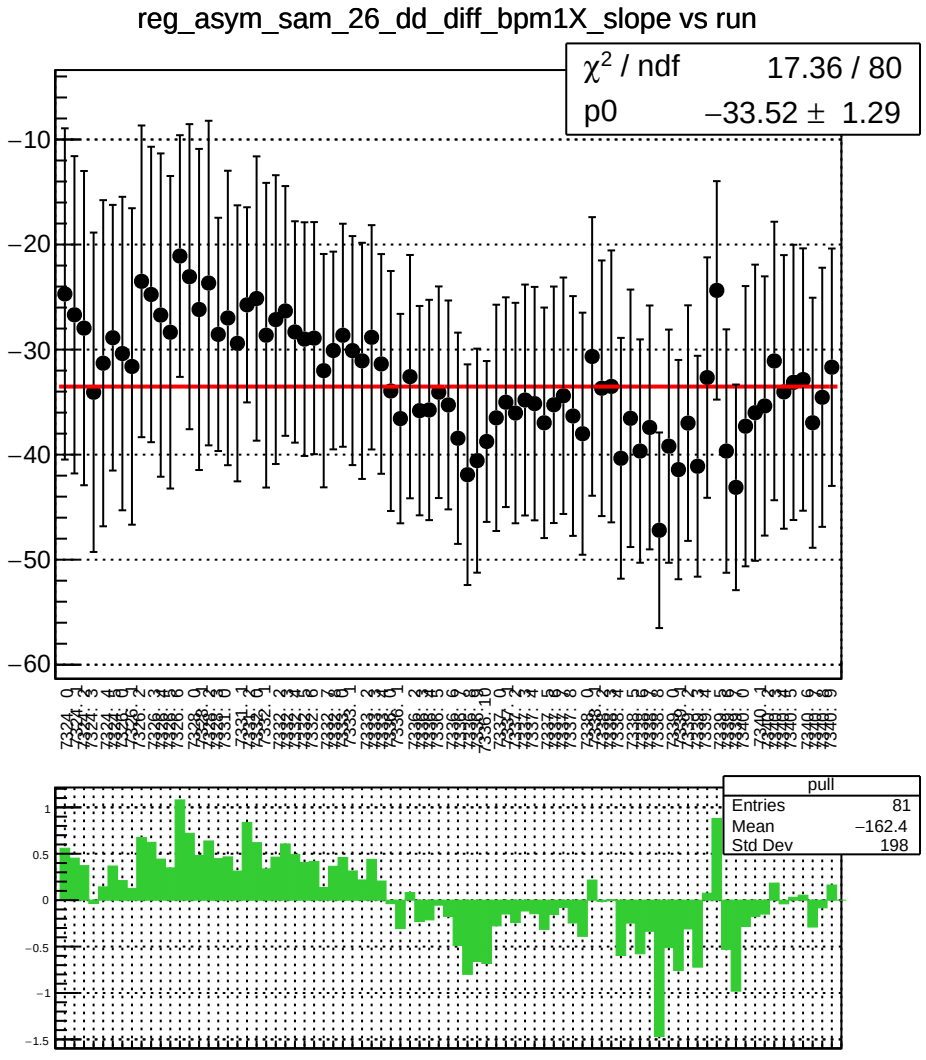

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 60.36 / 80
p0 9.836 ± 0.289
pull
Entries 81
Mean 3076
Std Dev 3059
pull1D
Entries 81
Mean 0.001836
Std Dev 0.8633

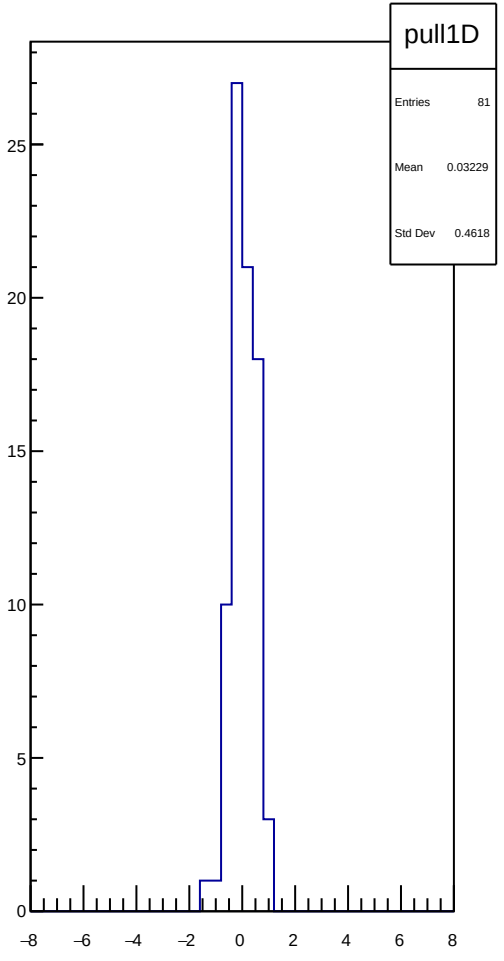

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 149.7 / 80
p0 −30.57 ± 0.3188
pull
Entries 81
Mean −11.3
Std Dev 23.2
pull1D
Entries 81
Mean −0.1547
Std Dev 1.351

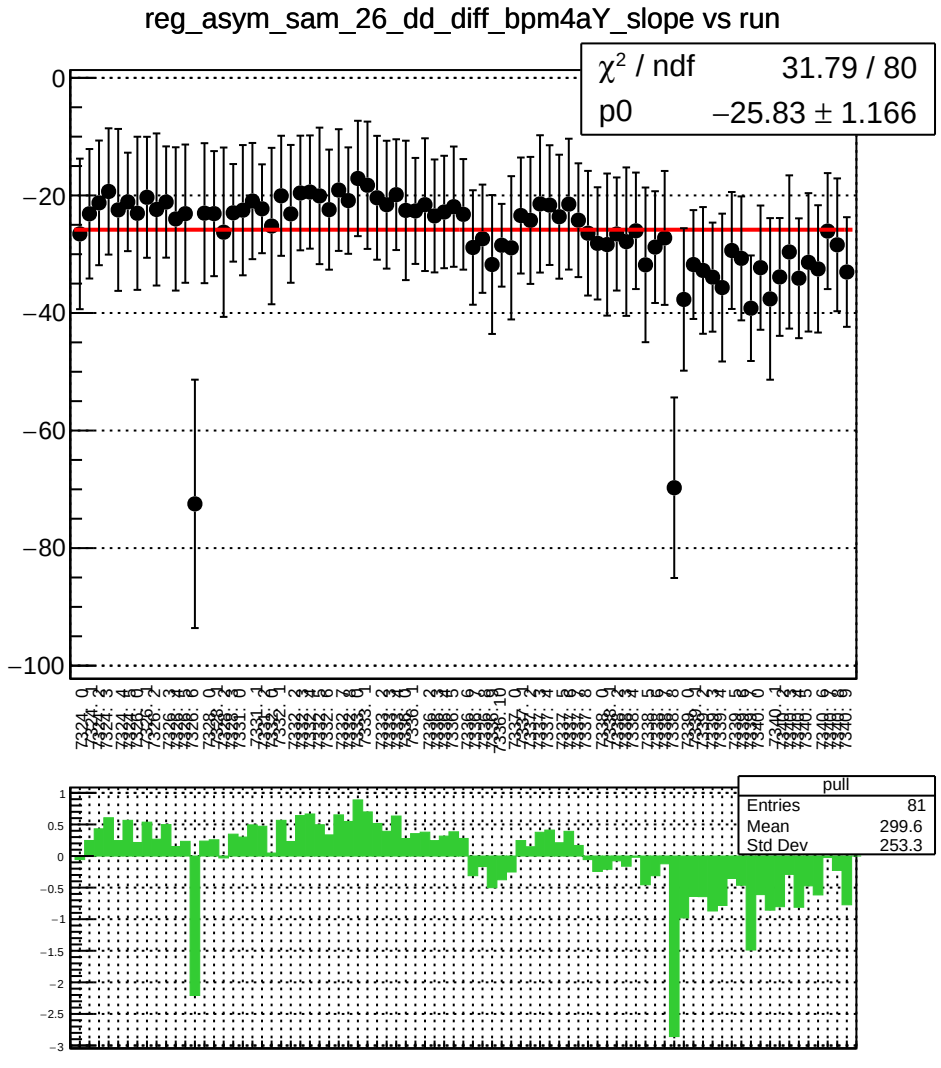

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 109.7 / 80
p0 −29.42 ± 0.305
pull
Entries 81
Mean 61.43
Std Dev 107.2
pull1D
Entries 81
Mean −0.02324
Std Dev 1.164

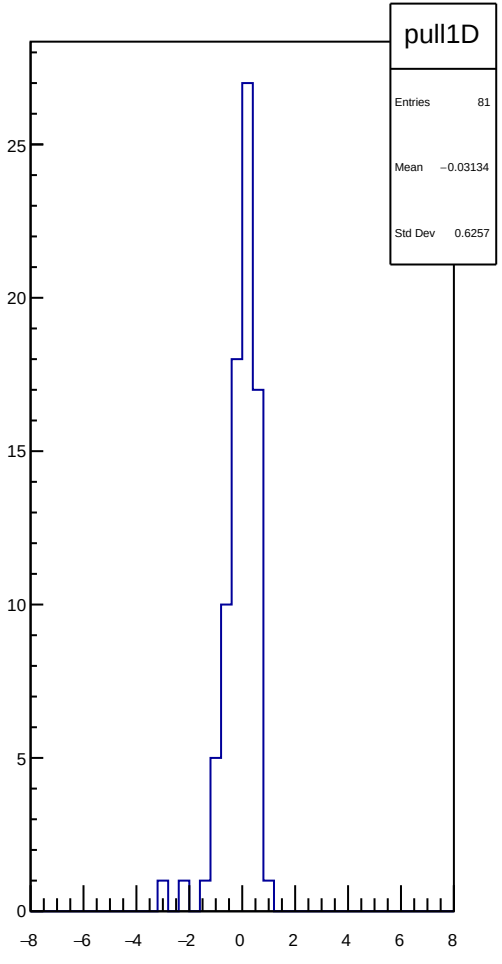

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 11.46 / 80
p0 0.5436 ± 0.01507
pull
Entries 81
Mean 250.1
Std Dev 211.9

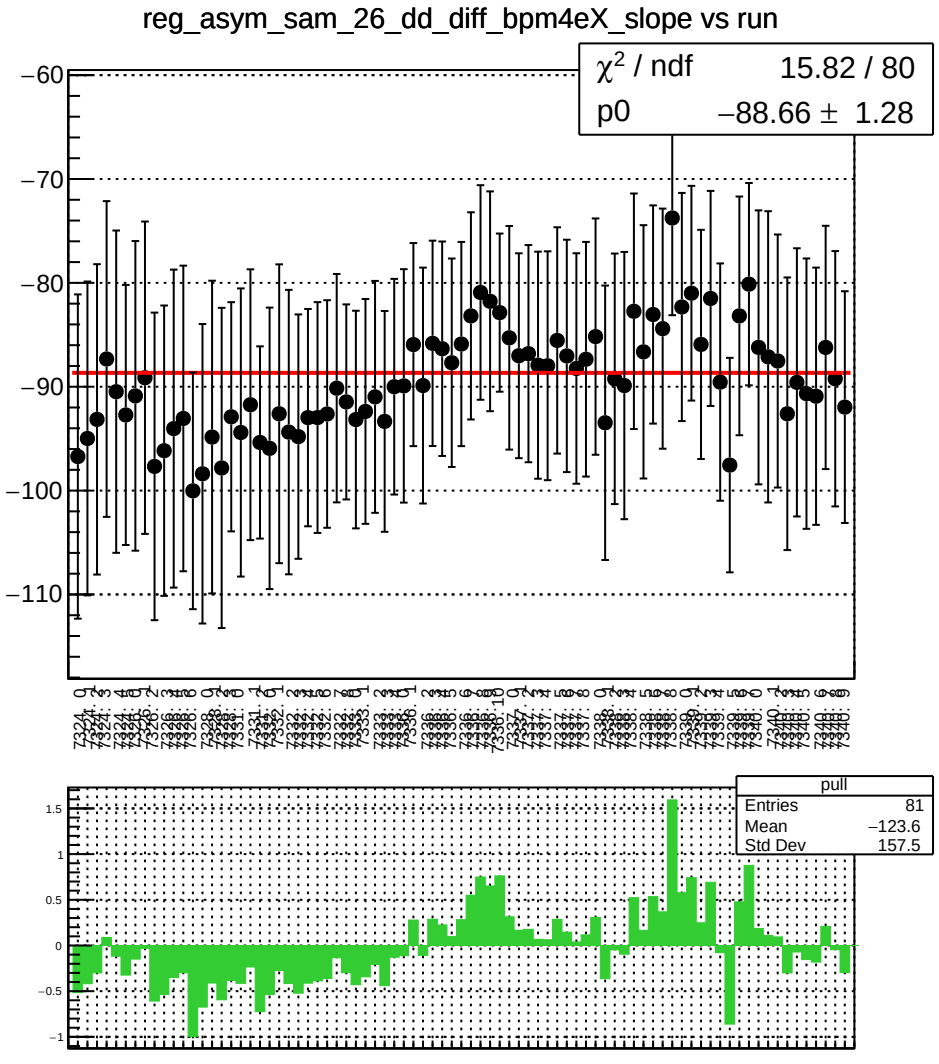

pull1D
Entries 81
Mean 0.0134
Std Dev 0.376

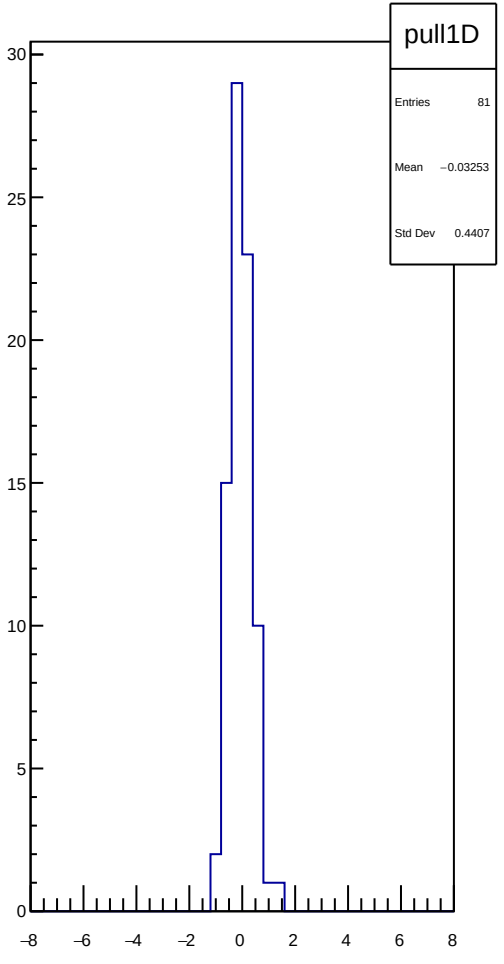

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 17.36 / 80
p0 −33.52 ± 1.29
pull
Entries 81
Mean −162.4
Std Dev 198

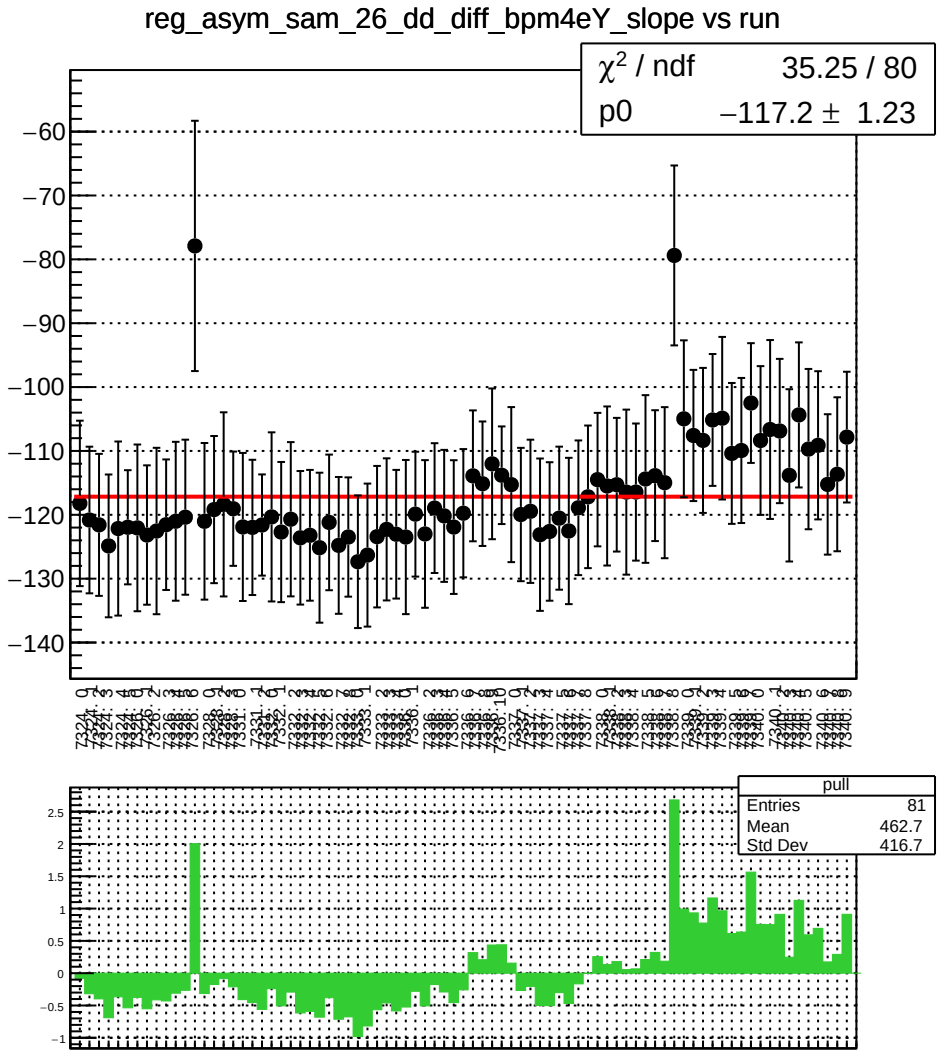

pull1D
Entries 81
Mean 0.03229
Std Dev 0.4618

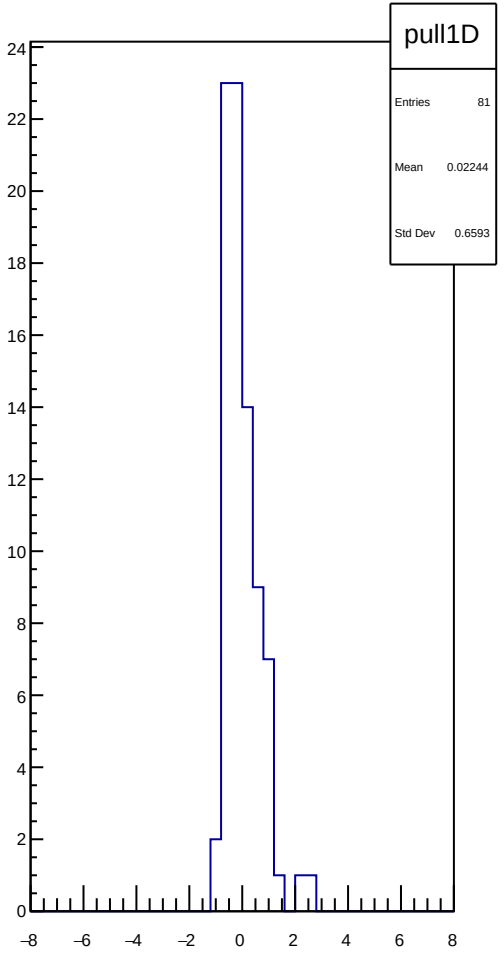

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.79 / 80
p0 −25.83 ± 1.166
pull
Entries 81
Mean 299.6
Std Dev 253.3

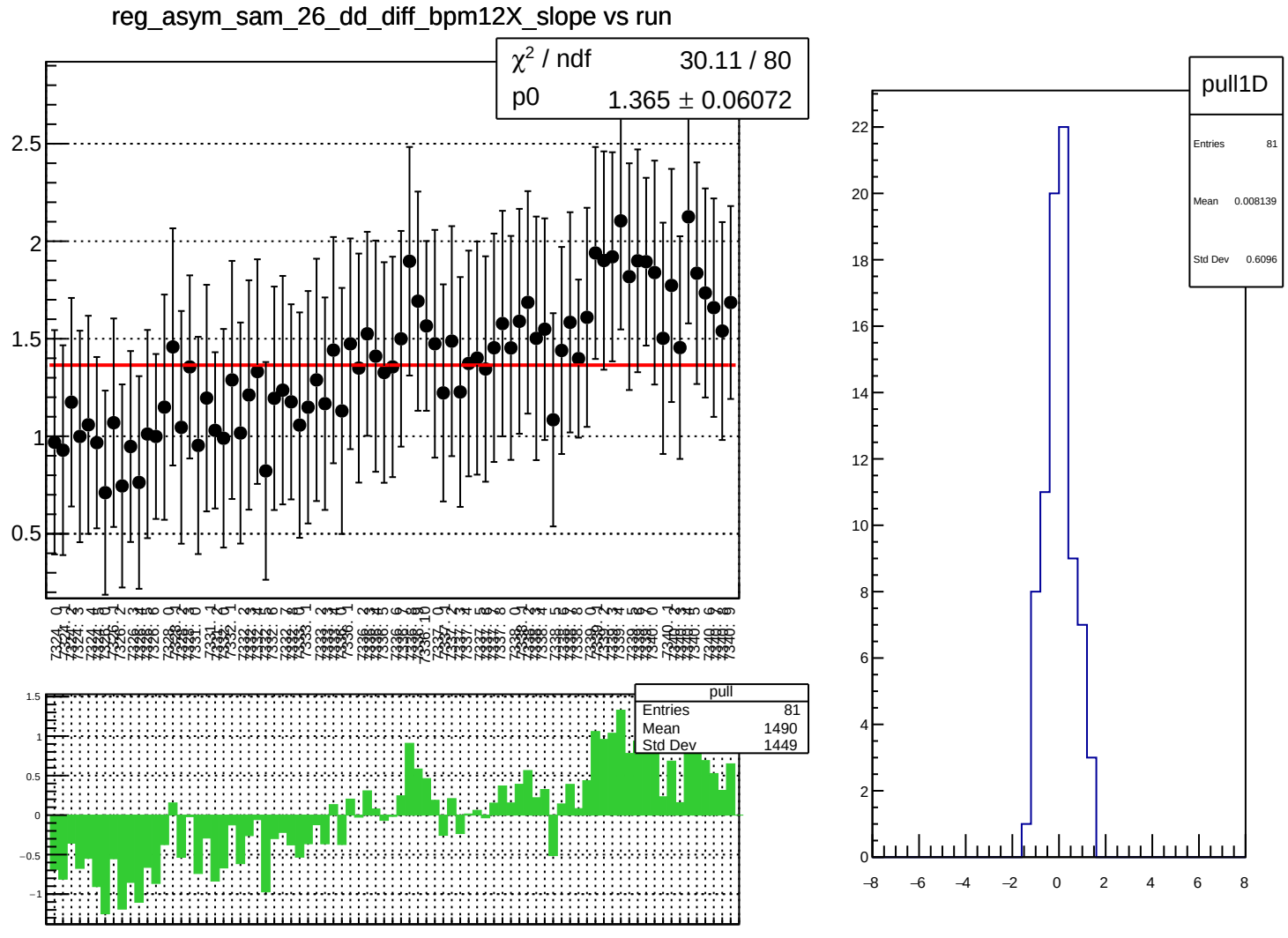

pull1D
Entries 81
Mean −0.03134
Std Dev 0.6257

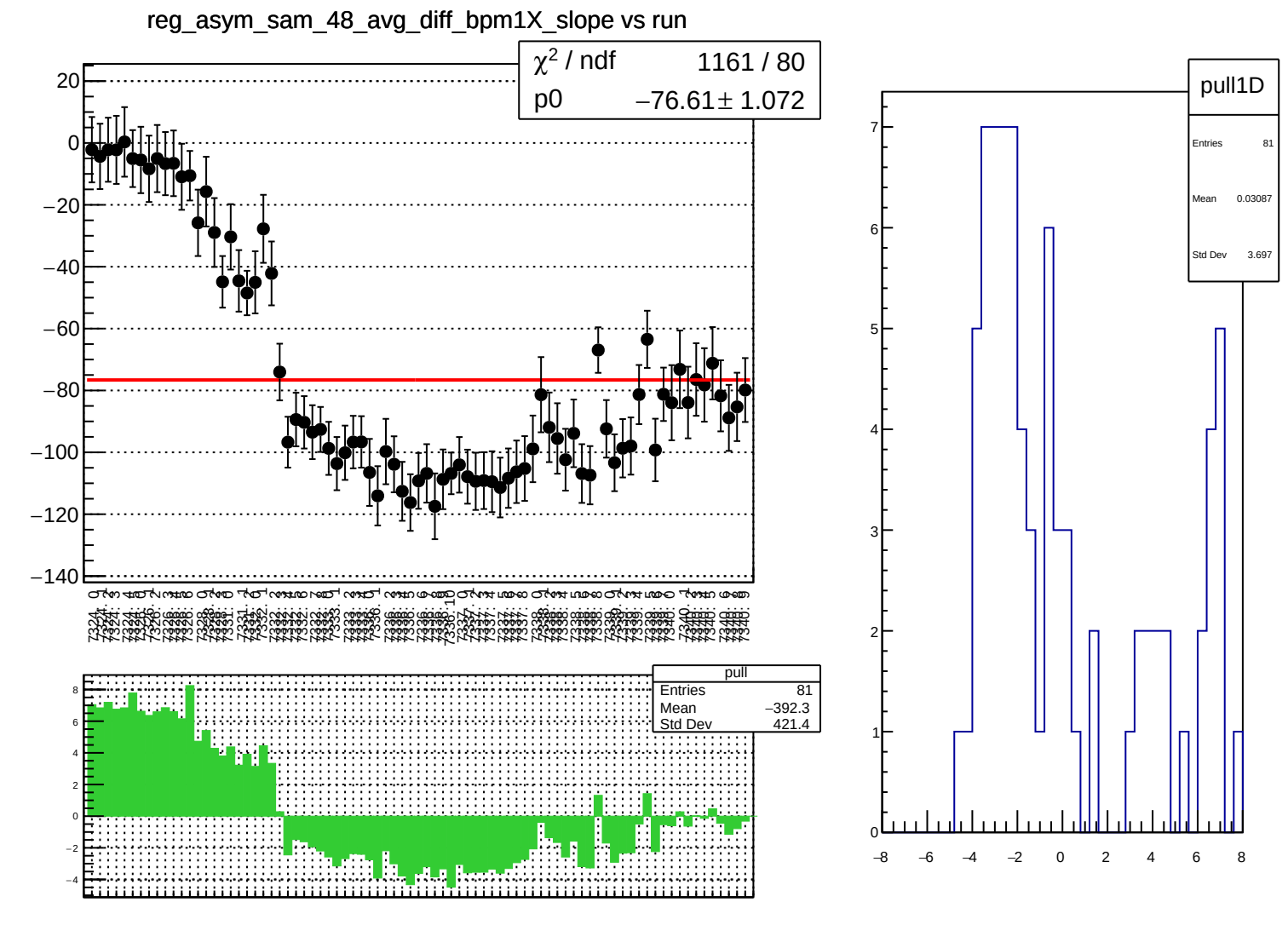

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.82 / 80
p0 −88.66 ± 1.28
pull
Entries 81
Mean −123.6
Std Dev 157.5

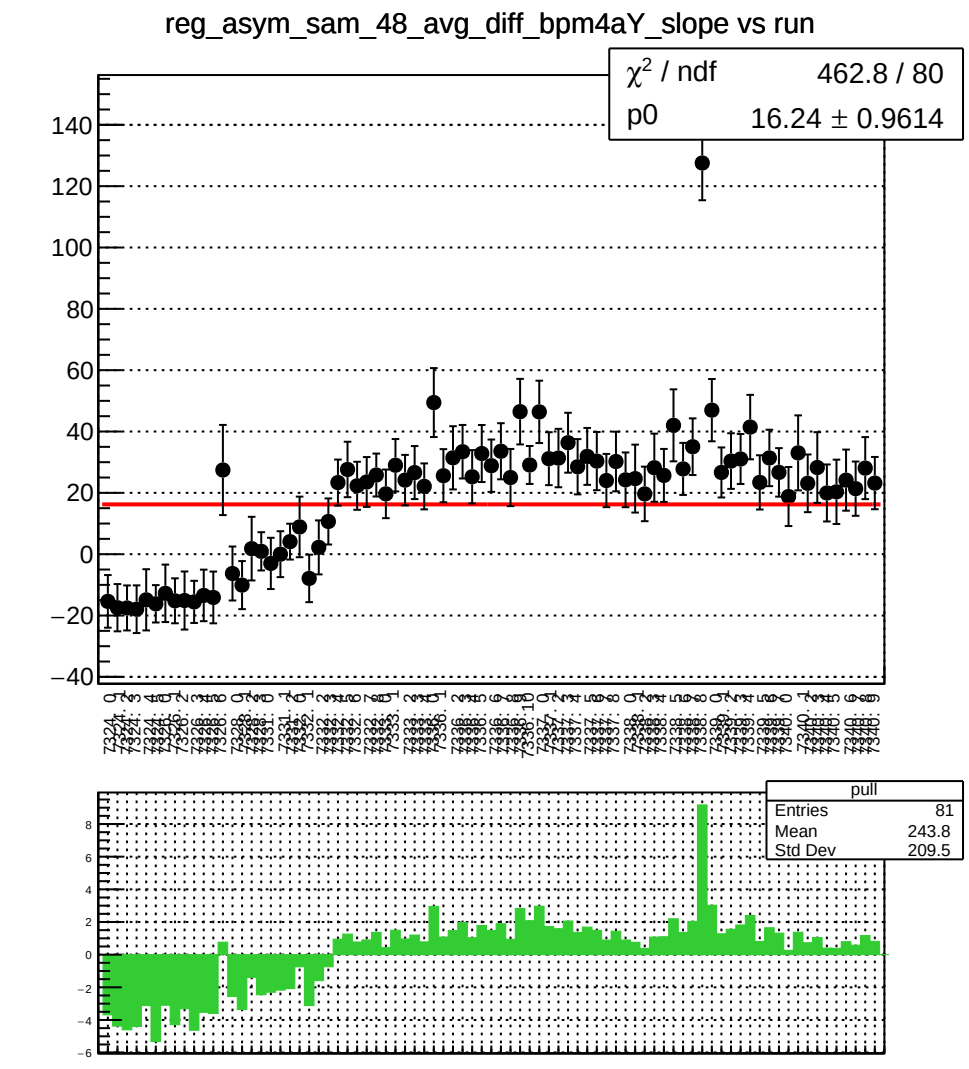

pull1D
Entries 81
Mean −0.03253
Std Dev 0.4407

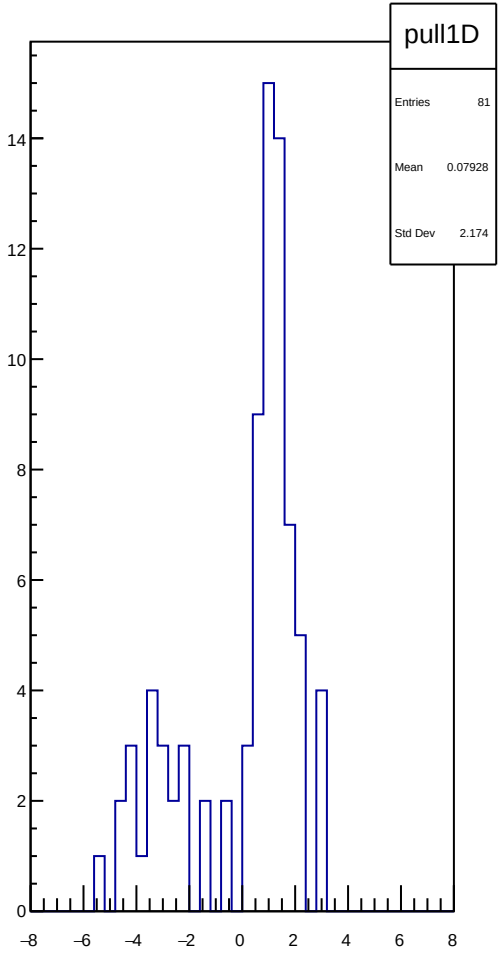

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.25 / 80
p0 −117.2 ± 1.23
pull
Entries 81
Mean 462.7
Std Dev 416.7

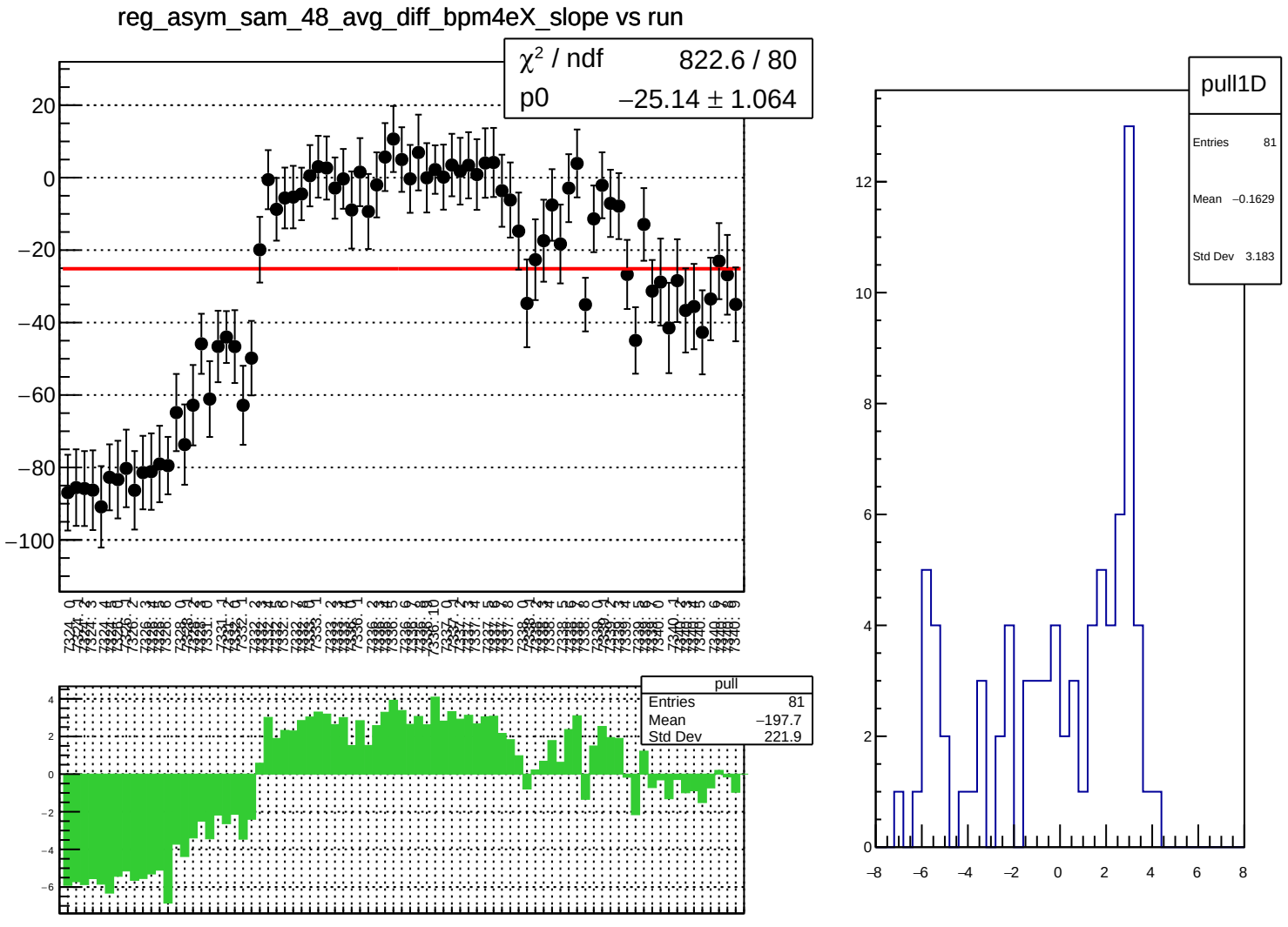

pull1D
Entries 81
Mean 0.02244
Std Dev 0.6593

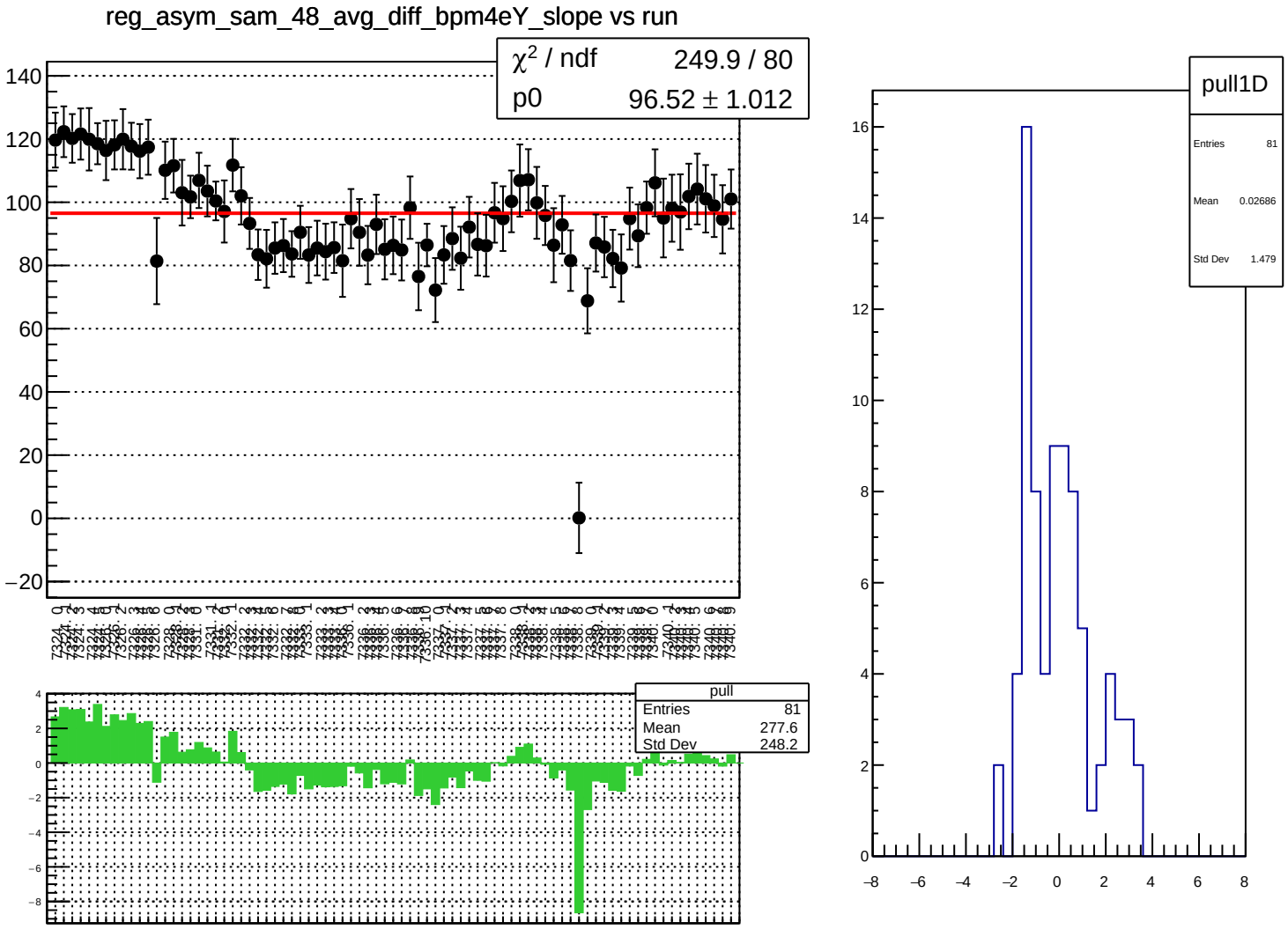

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 30.11 / 80
p0 1.365 ± 0.06072
pull
Entries 81
Mean 1490
Std Dev 1449
pull1D
Entries 81
Mean 0.008139
Std Dev 0.6096

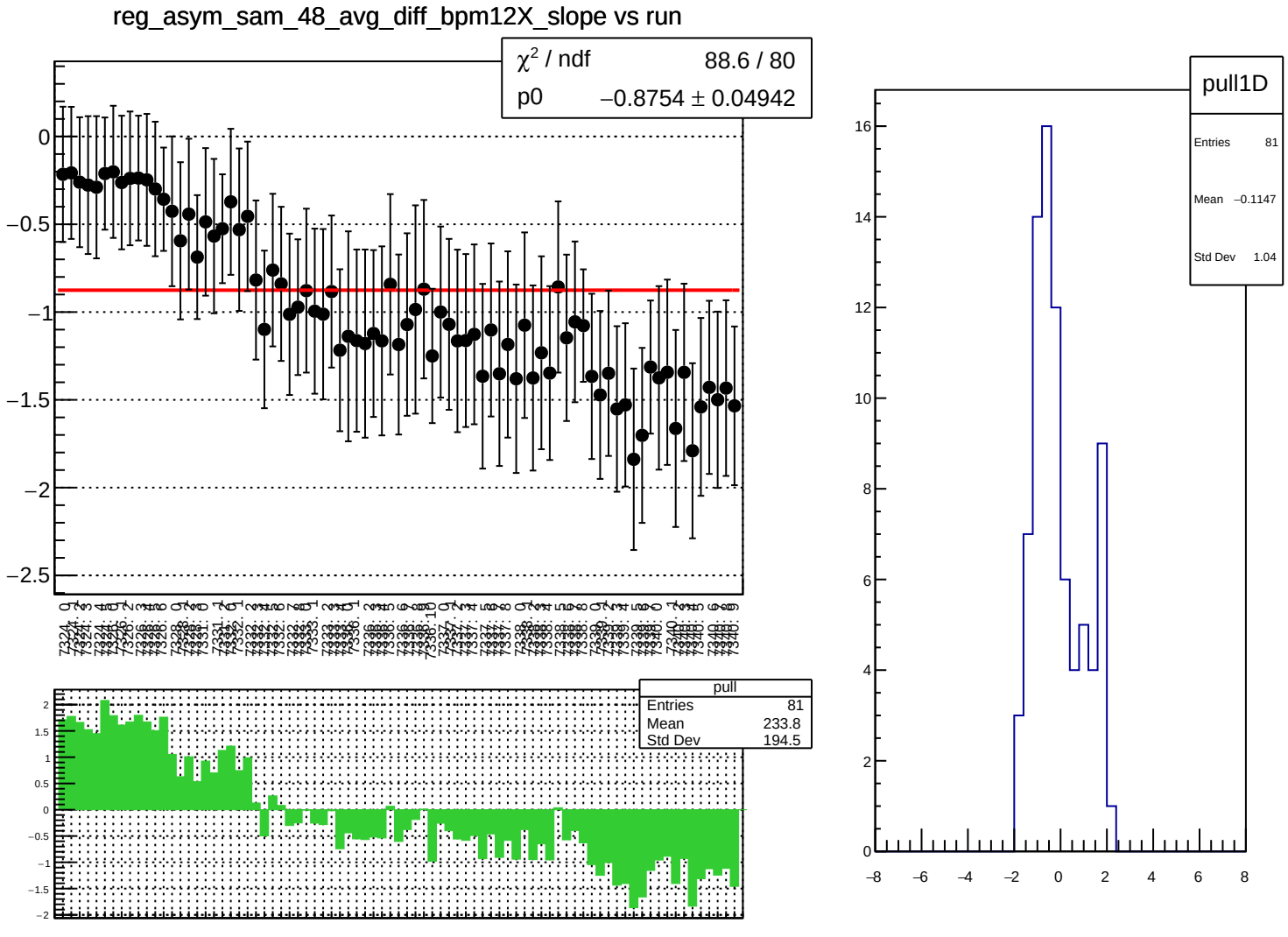

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1161 / 80
p0 −76.61± 1.072
pull
Entries 81
Mean −392.3
Std Dev 421.4
pull1D
Entries 81
Mean 0.03087
Std Dev 3.697

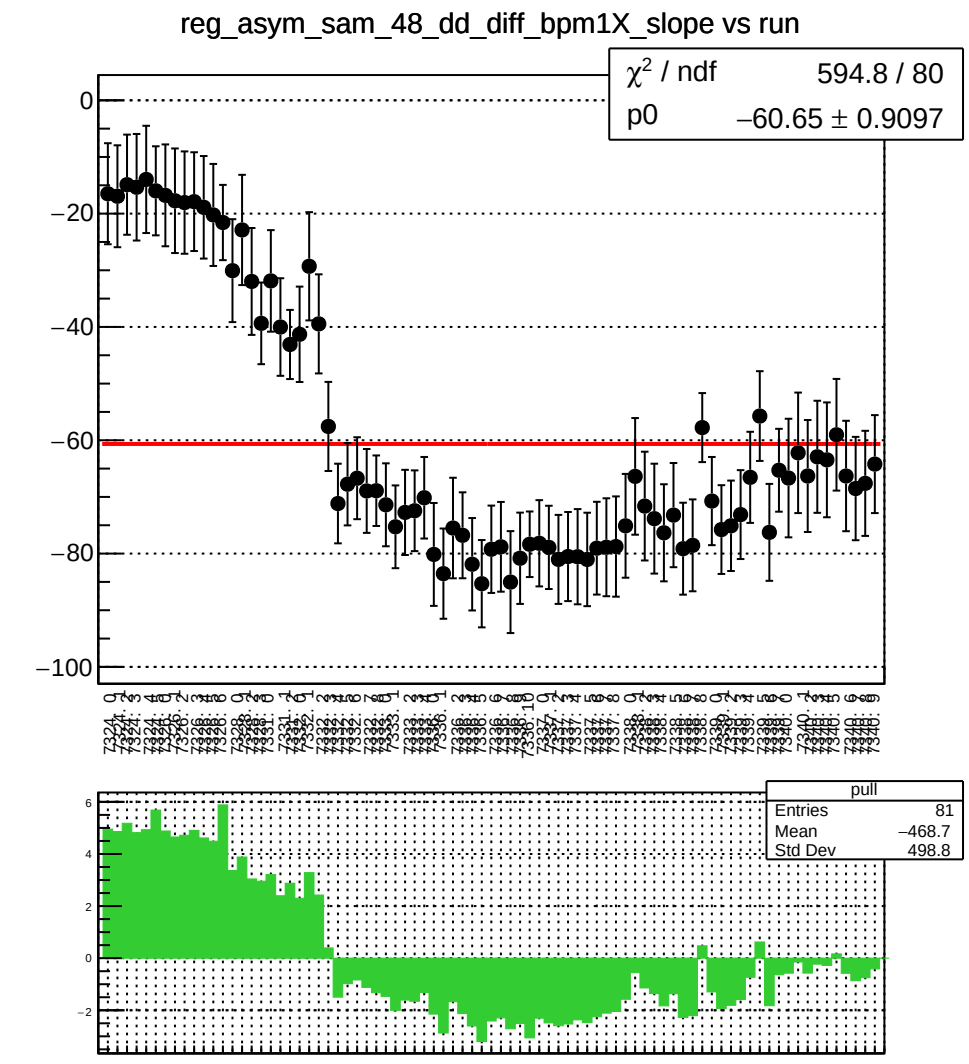

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 462.8 / 80
p0 16.24 ± 0.9614
pull
Entries 81
Mean 243.8
Std Dev 209.5

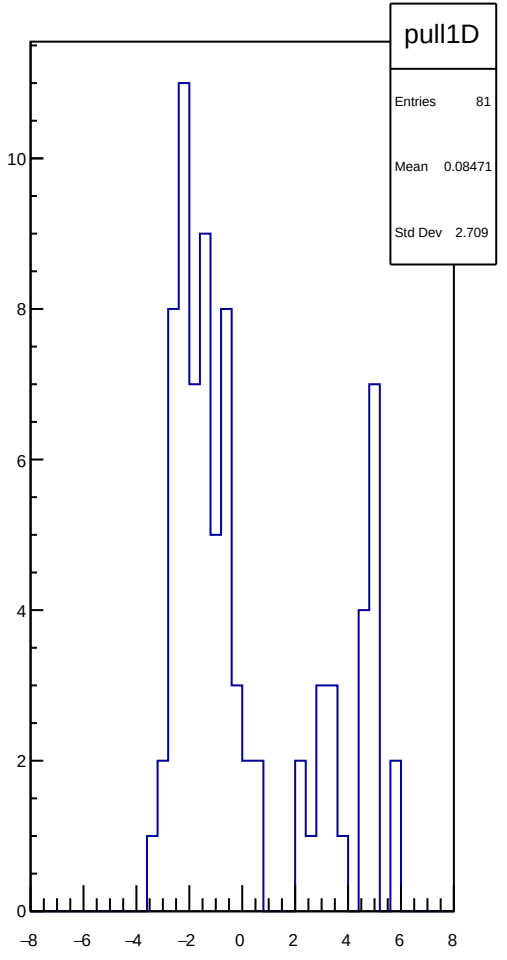

pull1D
Entries 81
Mean 0.07928
Std Dev 2.174

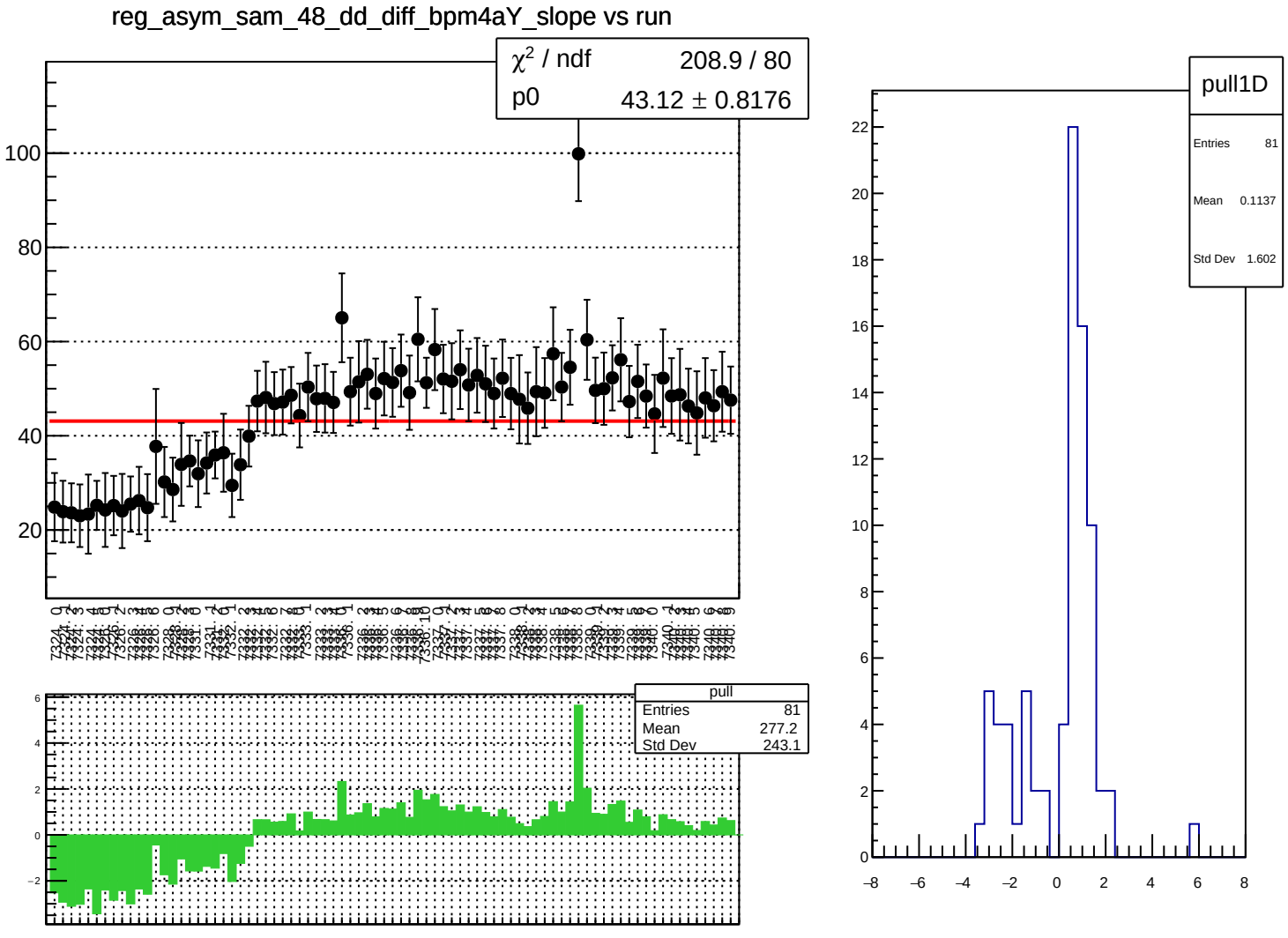

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 822.6 / 80
p0 −25.14 ± 1.064
pull
Entries 81
Mean −197.7
Std Dev 221.9
pull1D
Entries 81
Mean −0.1629
Std Dev 3.183

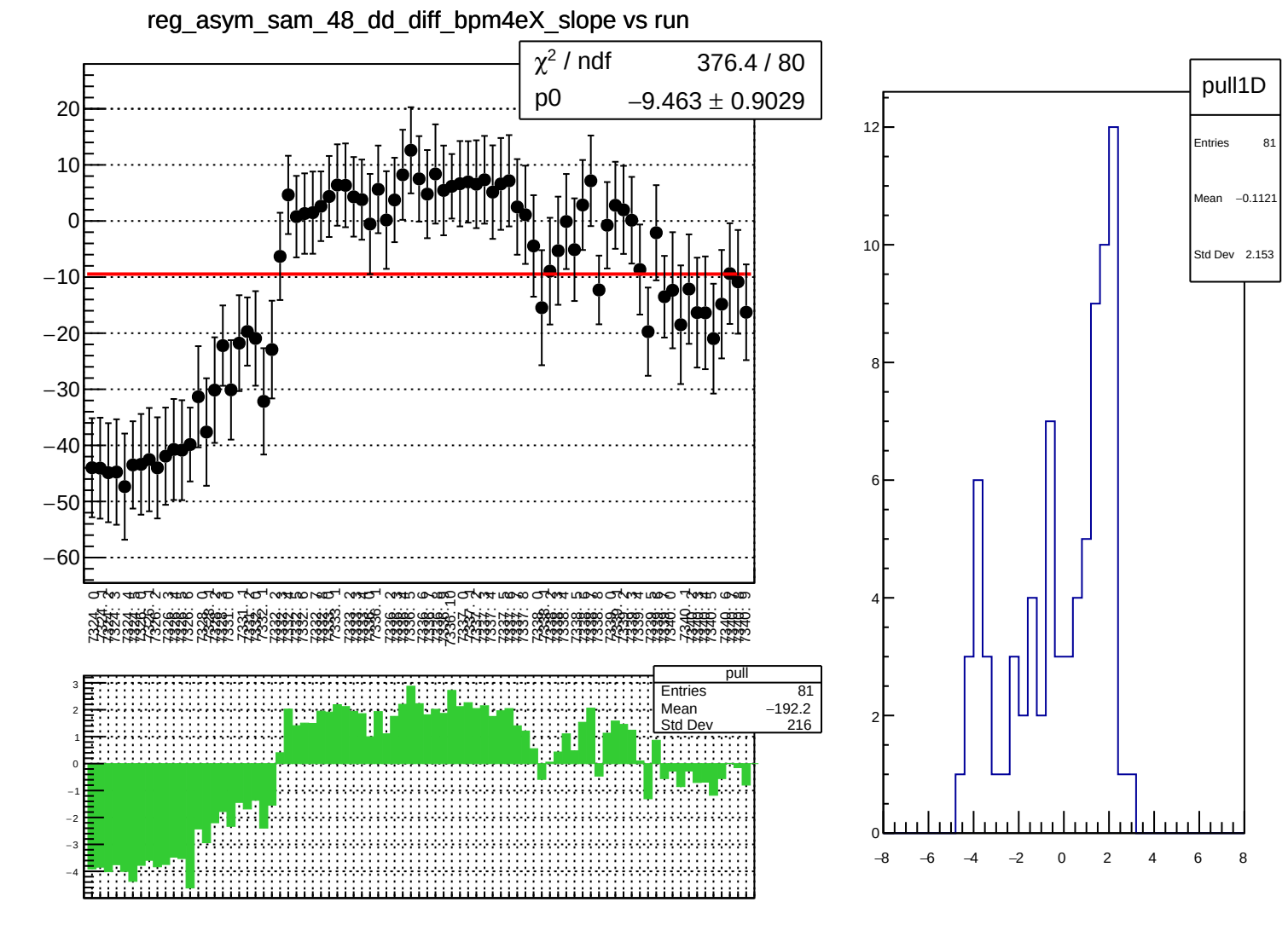

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 249.9 / 80
p0 96.52 ± 1.012
pull
Entries 81
Mean 277.6
Std Dev 248.2
pull1D
Entries 81
Mean 0.02686
Std Dev 1.479

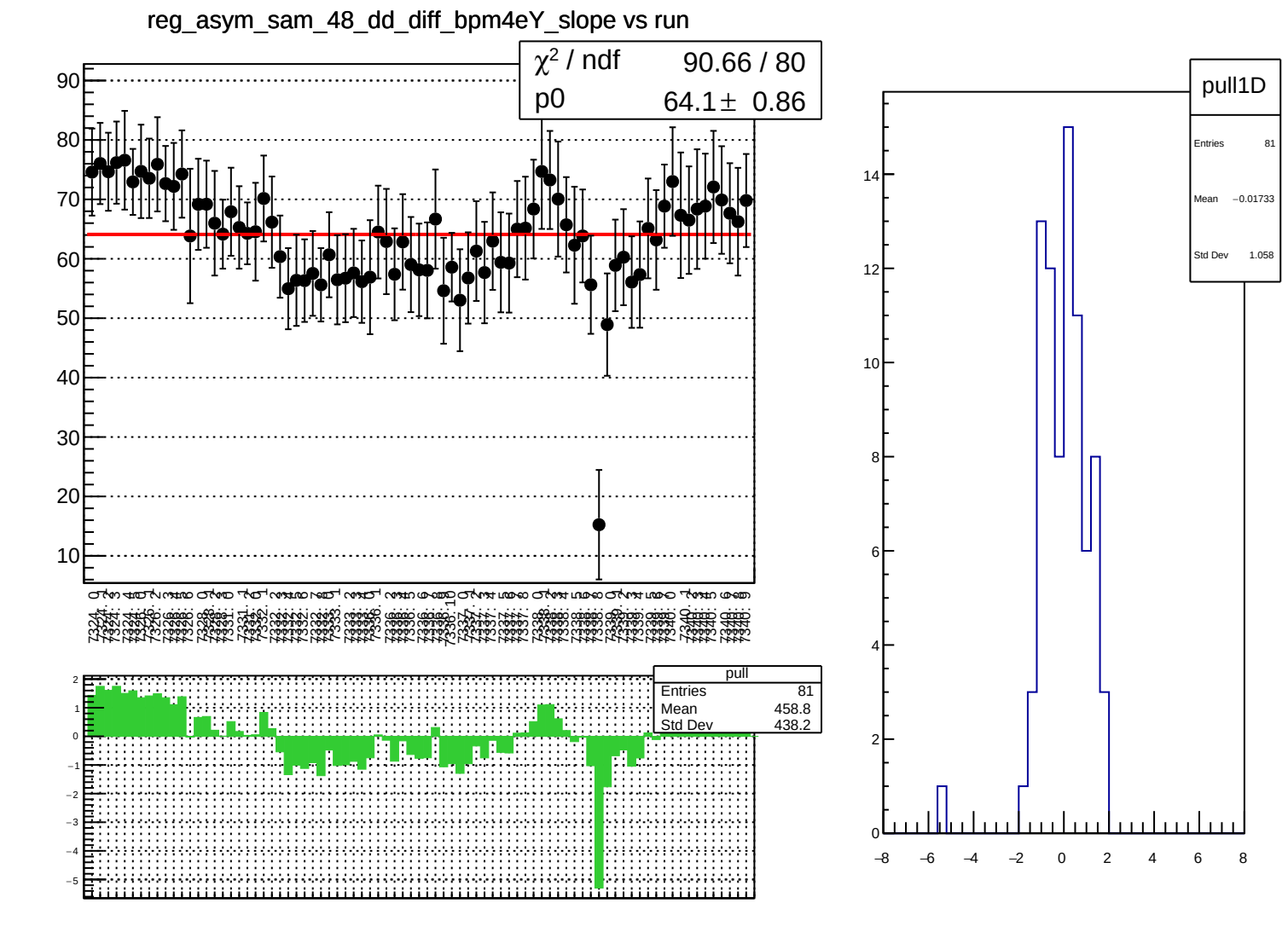

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 88.6 / 80
p0 −0.8754 ± 0.04942
pull
Entries 81
Mean 233.8
Std Dev 194.5
pull1D
Entries 81
Mean −0.1147
Std Dev 1.04

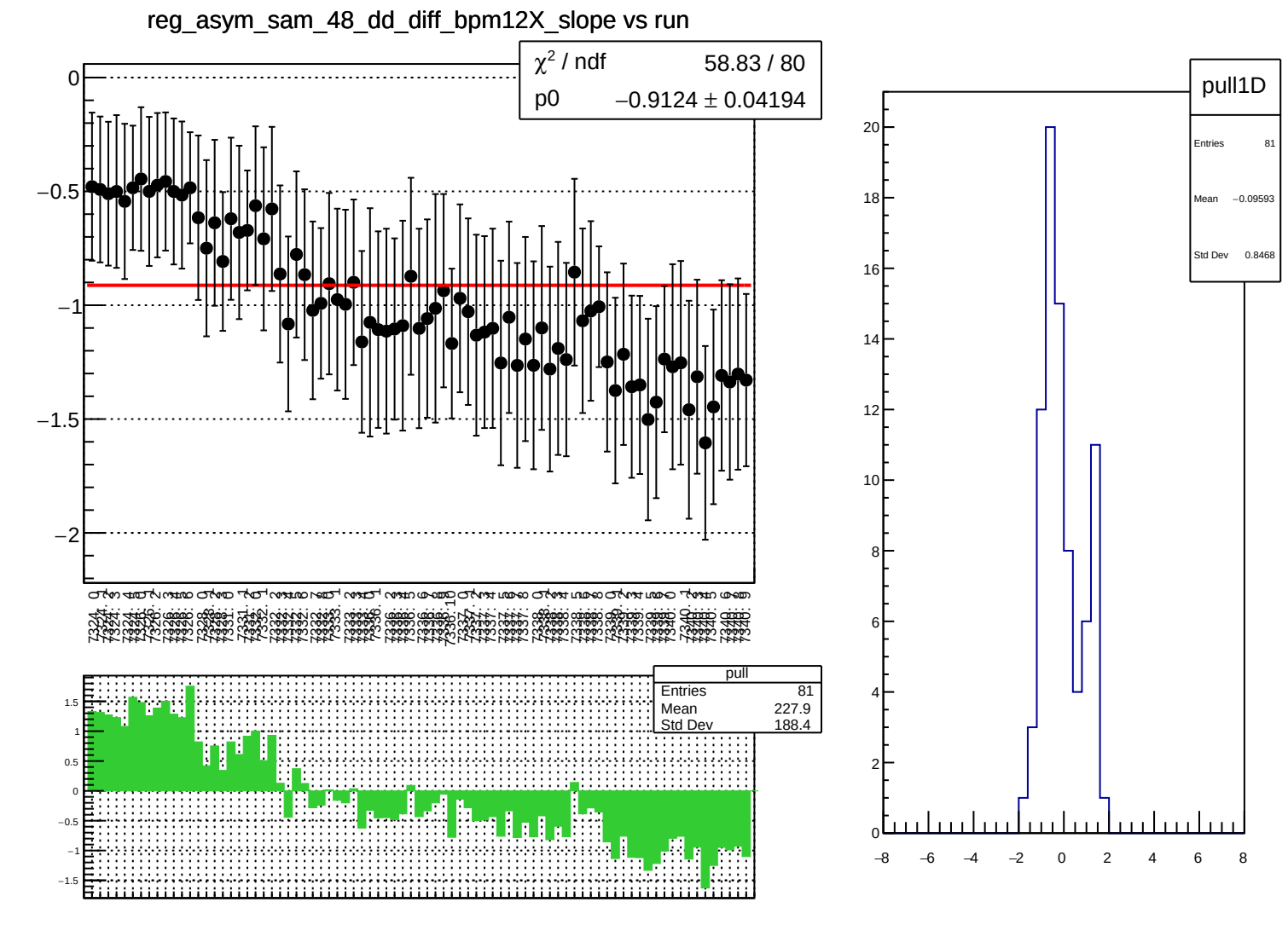

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 594.8 / 80
p0 −60.65 ± 0.9097
pull
Entries 81
Mean −468.7
Std Dev 498.8

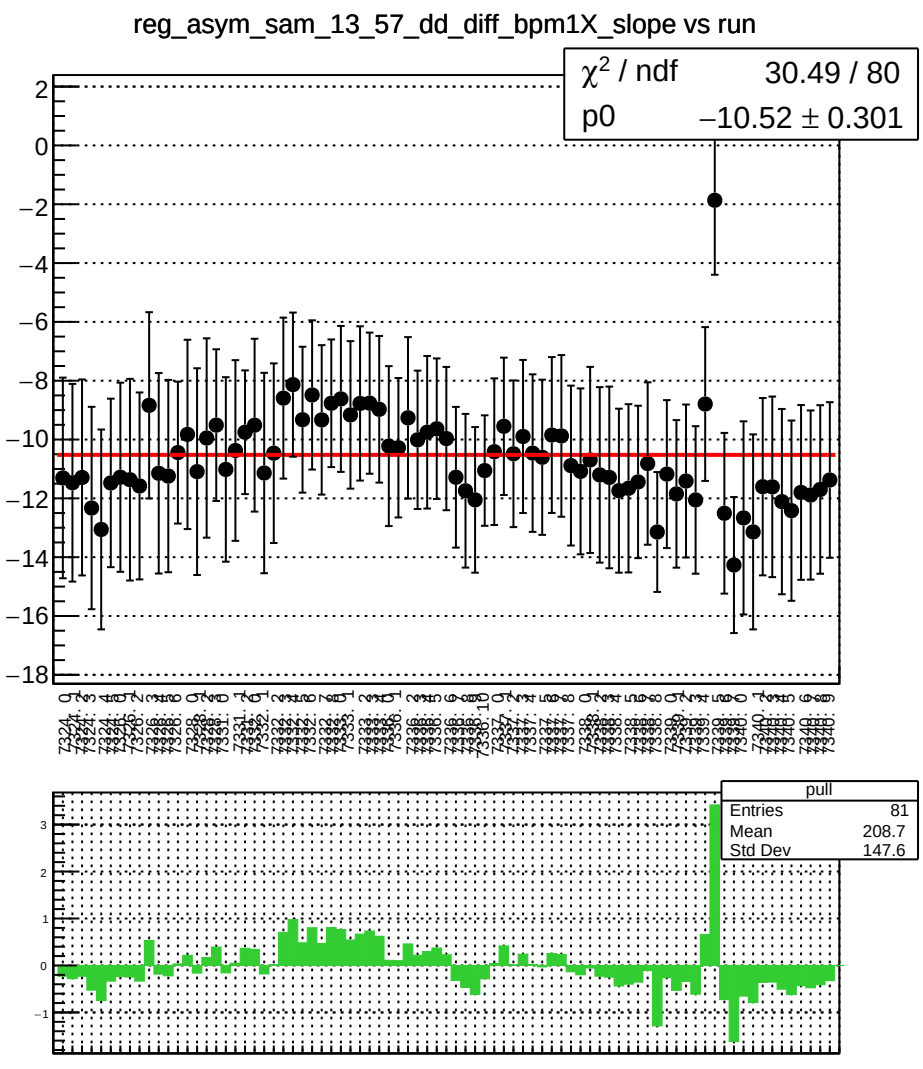

pull1D
Entries 81
Mean 0.08471
Std Dev 2.709

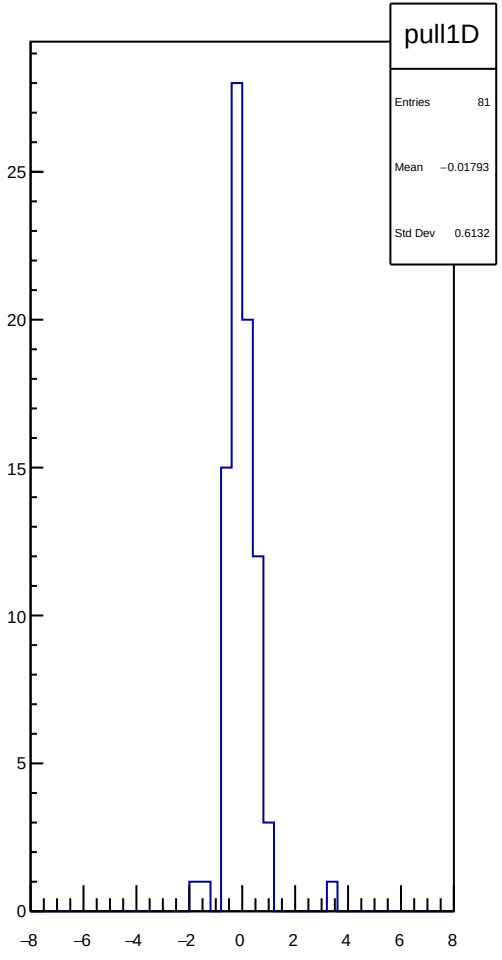

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 208.9 / 80
p0 43.12 ± 0.8176
pull
Entries 81
Mean 277.2
Std Dev 243.1
pull1D
Entries 81
Mean 0.1137
Std Dev 1.602

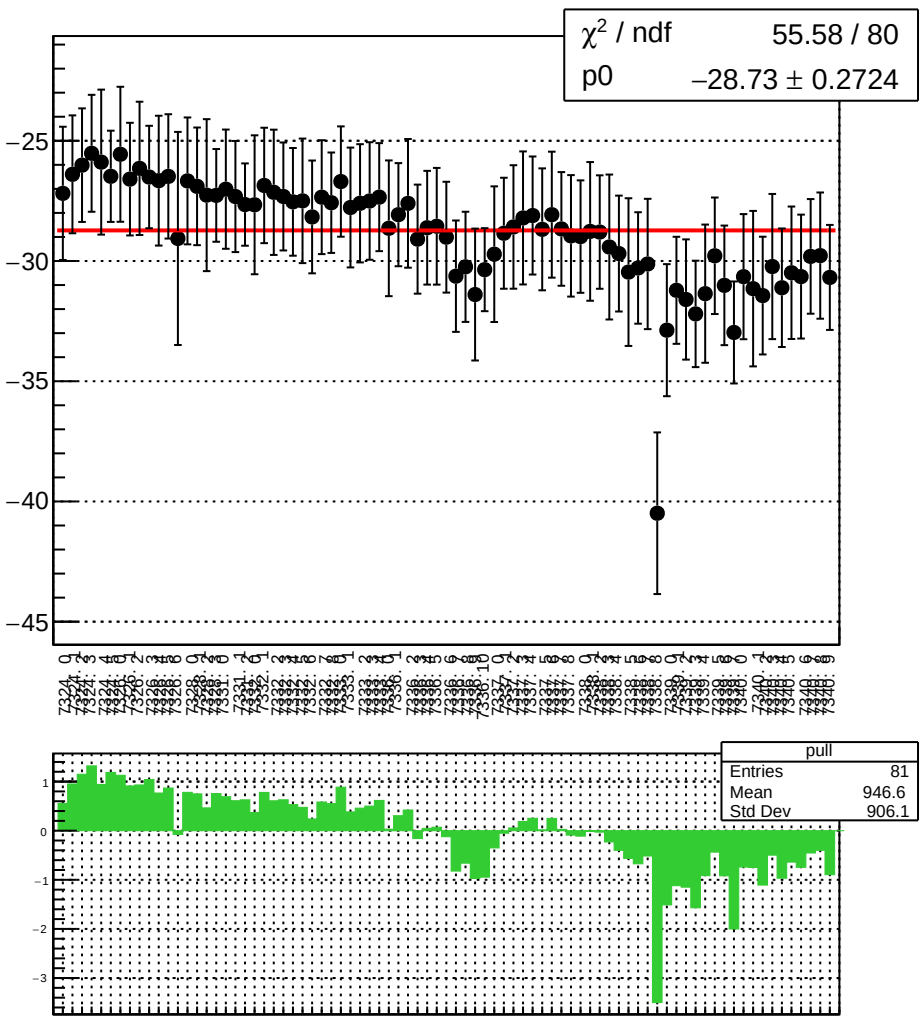

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 376.4 / 80
p0 −9.463 ± 0.9029
pull
Entries 81
Mean −192.2
Std Dev 216
pull1D
Entries 81
Mean −0.1121
Std Dev 2.153

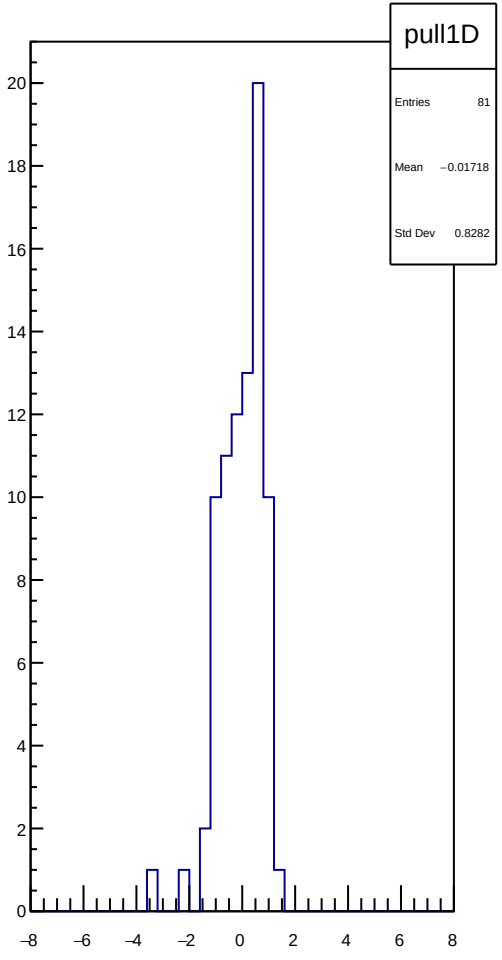

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.66 / 80
p0 64.1 ± 0.86
pull
Entries 81
Mean 458.8
Std Dev 438.2
pull1D
Entries 81
Mean −0.01733
Std Dev 1.058

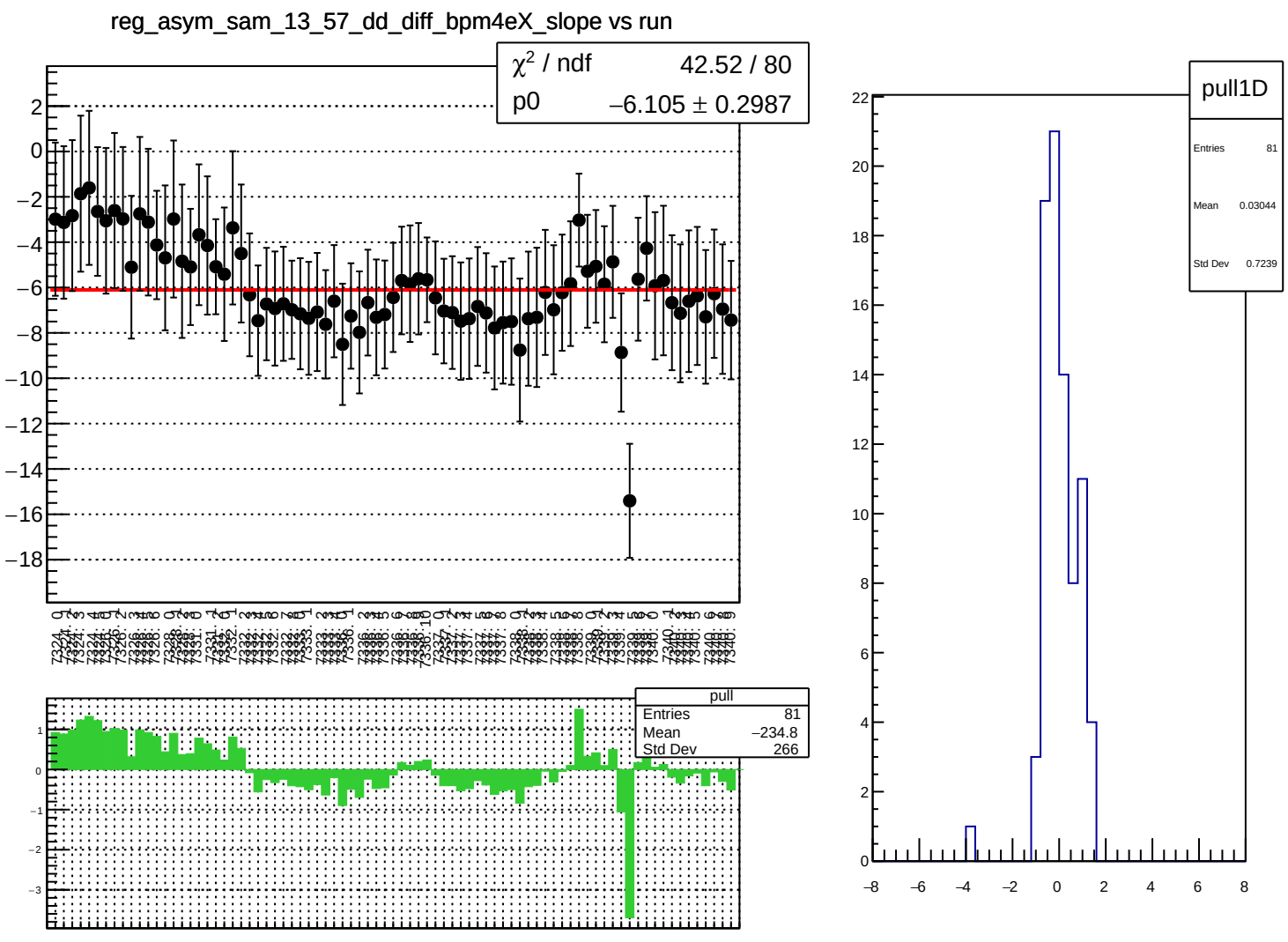

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 58.83 / 80
p0 −0.9124 ± 0.04194
pull
Entries 81
Mean 227.9
Std Dev 188.4
pull1D
Entries 81
Mean −0.09593
Std Dev 0.8468

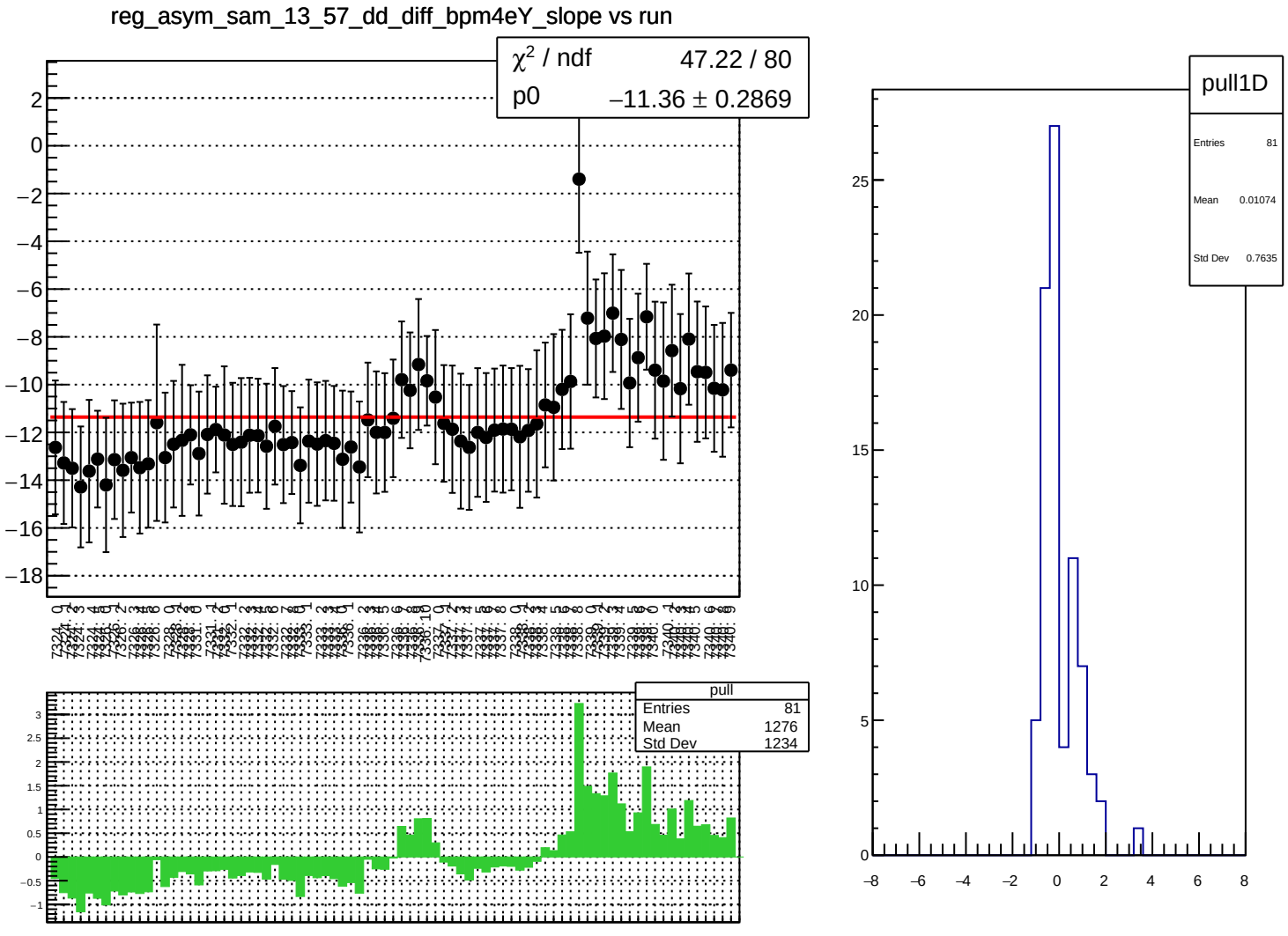

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 30.49 / 80
p0 −10.52 ± 0.301
pull
Entries 81
Mean 208.7
Std Dev 147.6

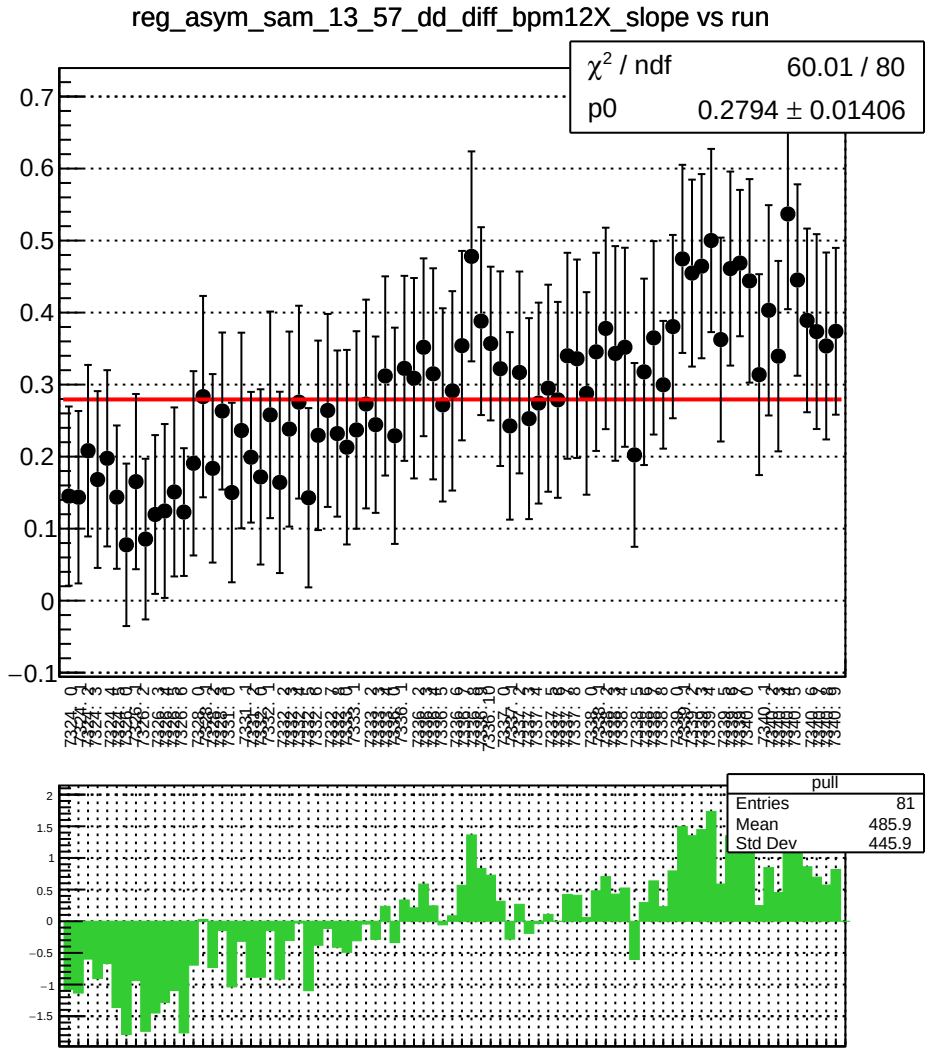

pull1D
Entries 81
Mean −0.01793
Std Dev 0.6132

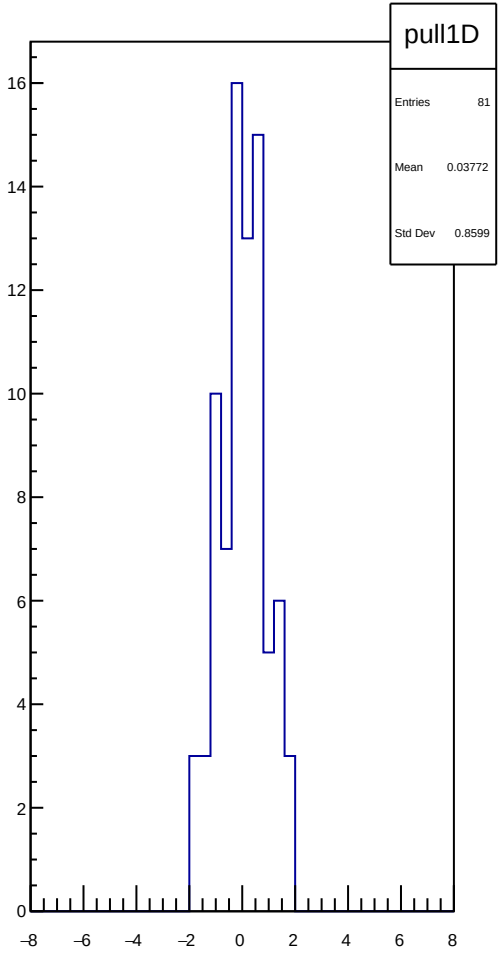

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.58 / 80
p0 −28.73 ± 0.2724
pull
Entries 81
Mean 946.6
Std Dev 906.1

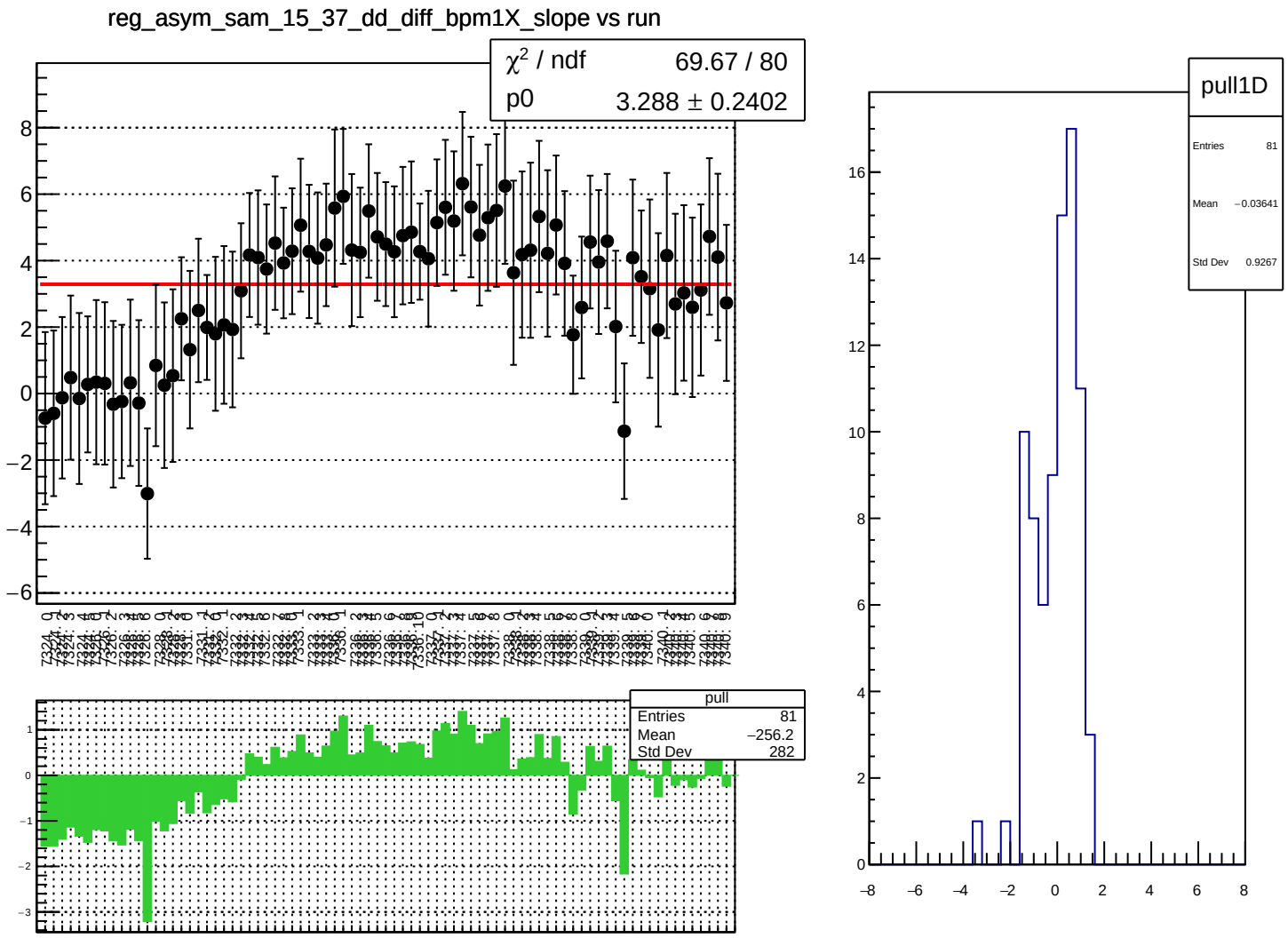

pull1D
Entries 81
Mean −0.01718
Std Dev 0.8282

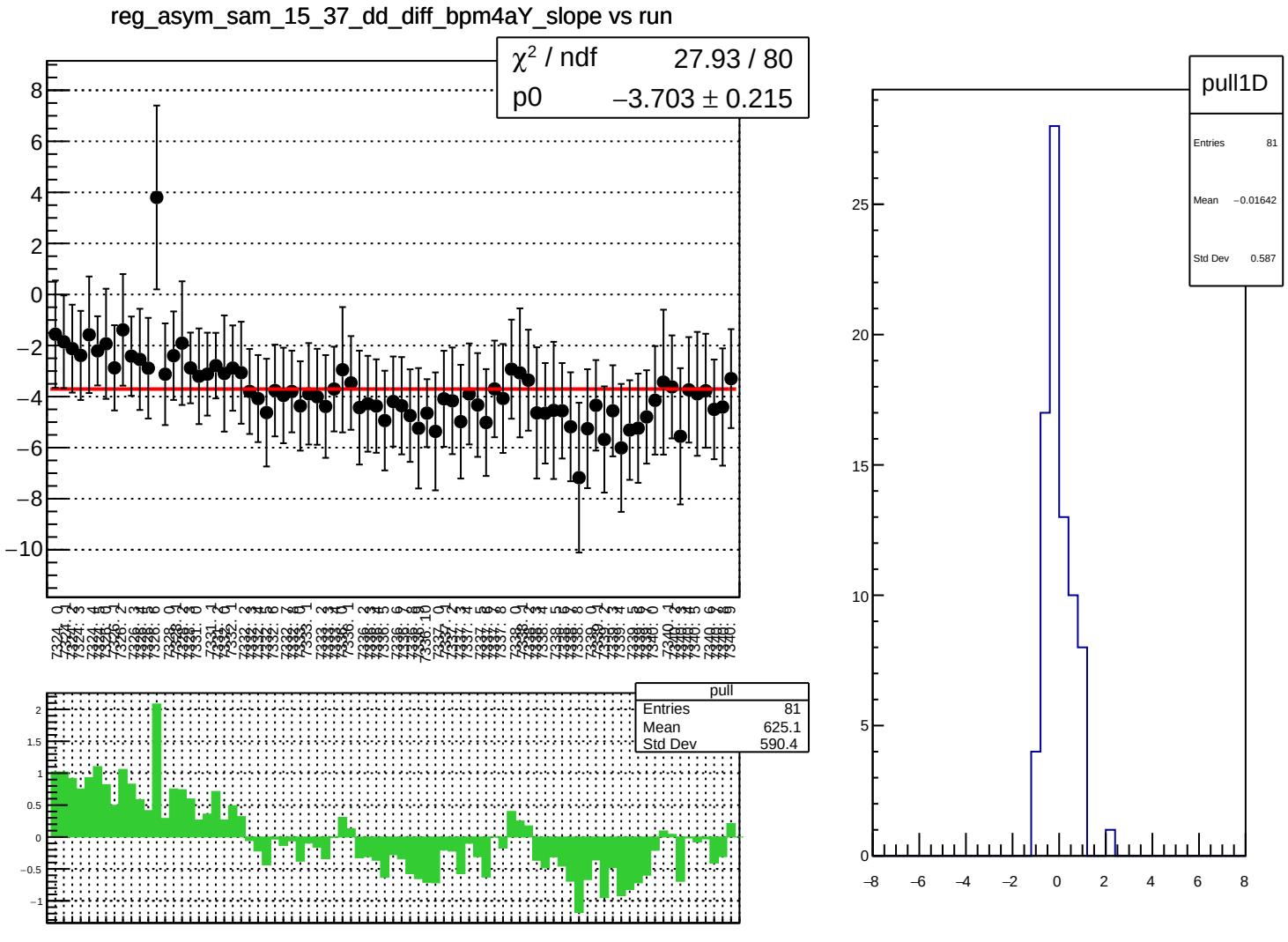

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.52 / 80
p0 −6.105 ± 0.2987
pull
Entries 81
Mean −234.8
Std Dev 266
pull1D
Entries 81
Mean 0.03044
Std Dev 0.7239

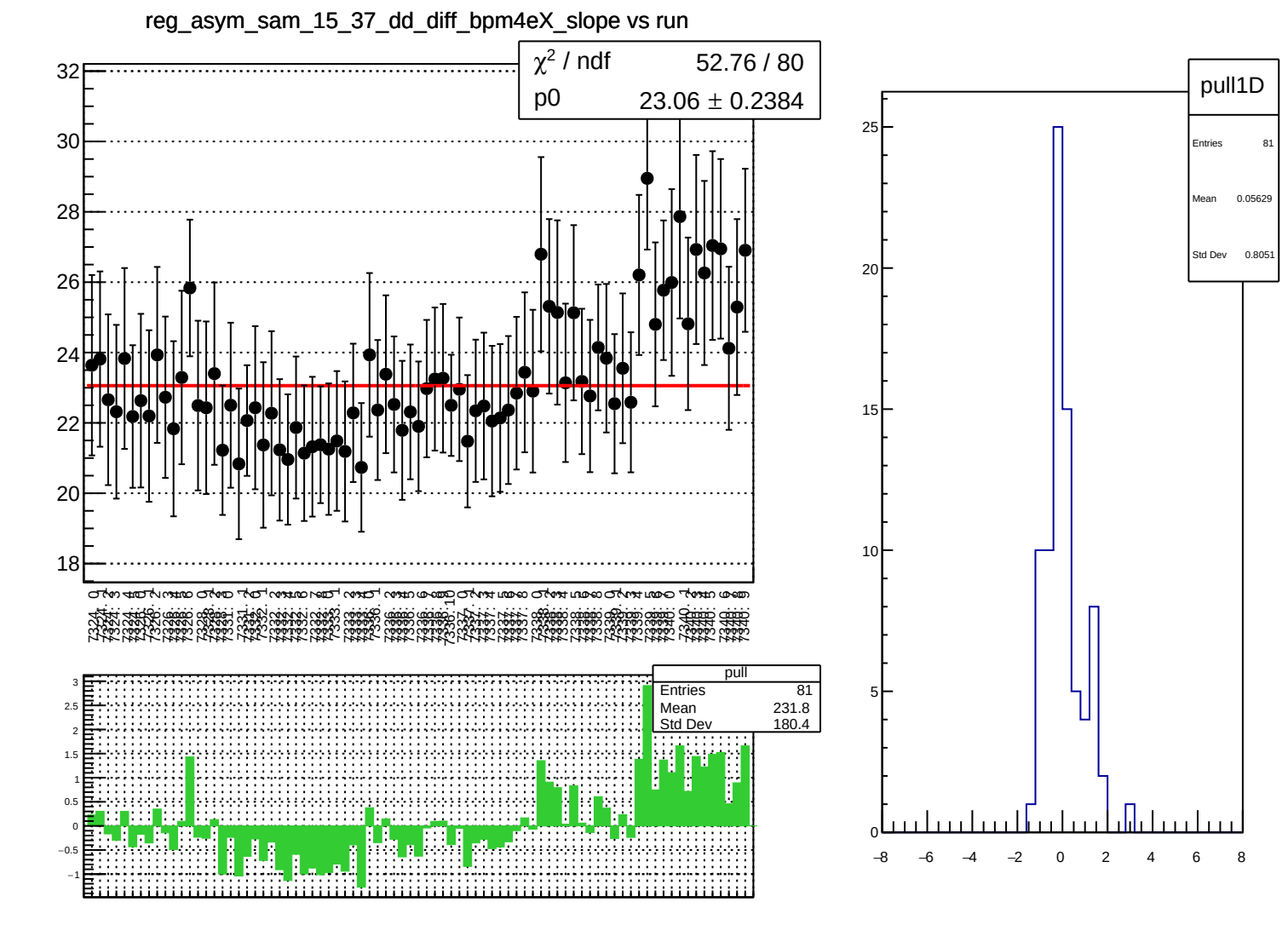

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.22 / 80
p0 −11.36 ± 0.2869
pull
Entries 81
Mean 1276
Std Dev 1234
pull1D
Entries 81
Mean 0.01074
Std Dev 0.7635

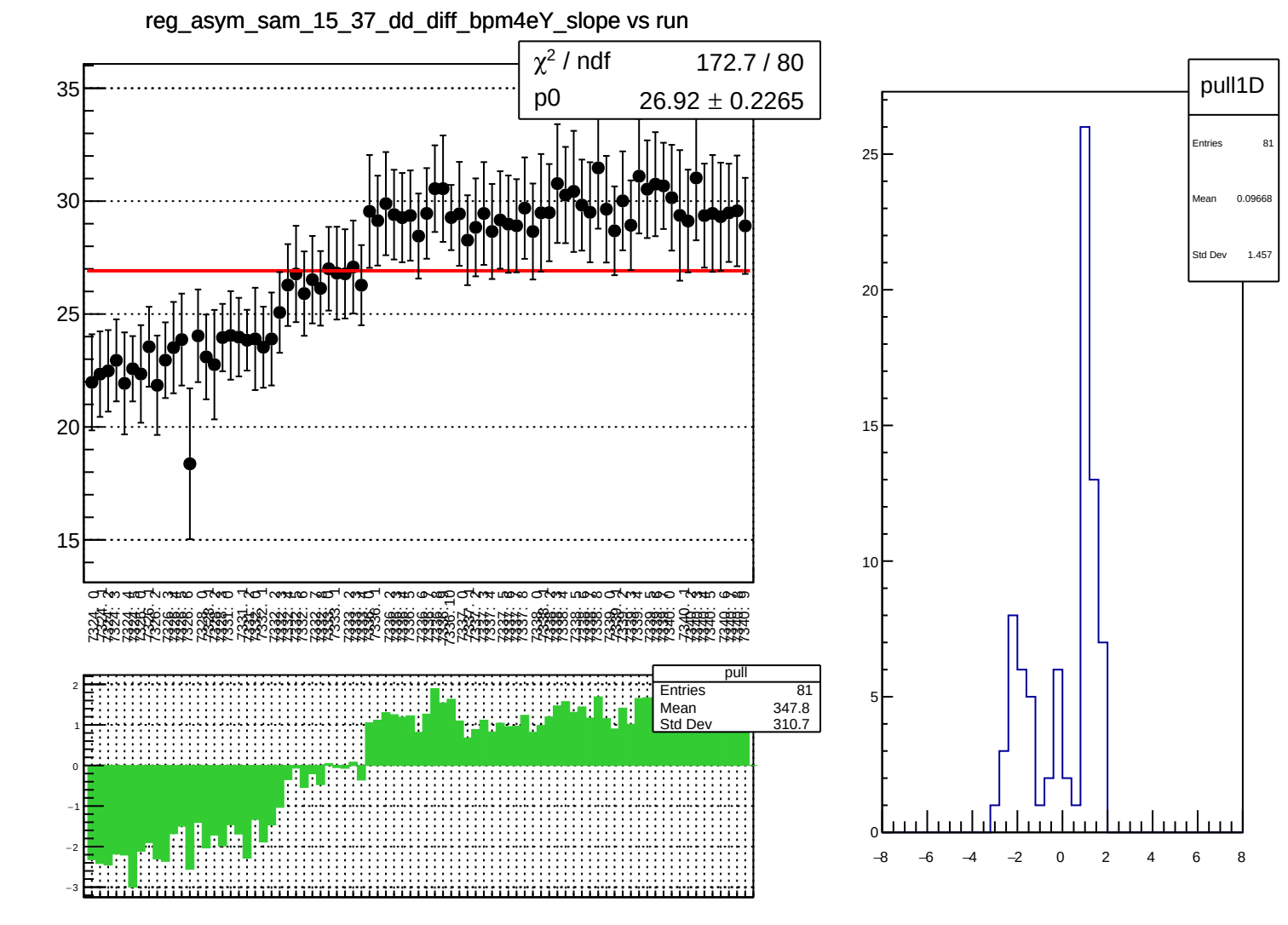

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 60.01 / 80
p0 0.2794 ± 0.01406
pull
Entries 81
Mean 485.9
Std Dev 445.9

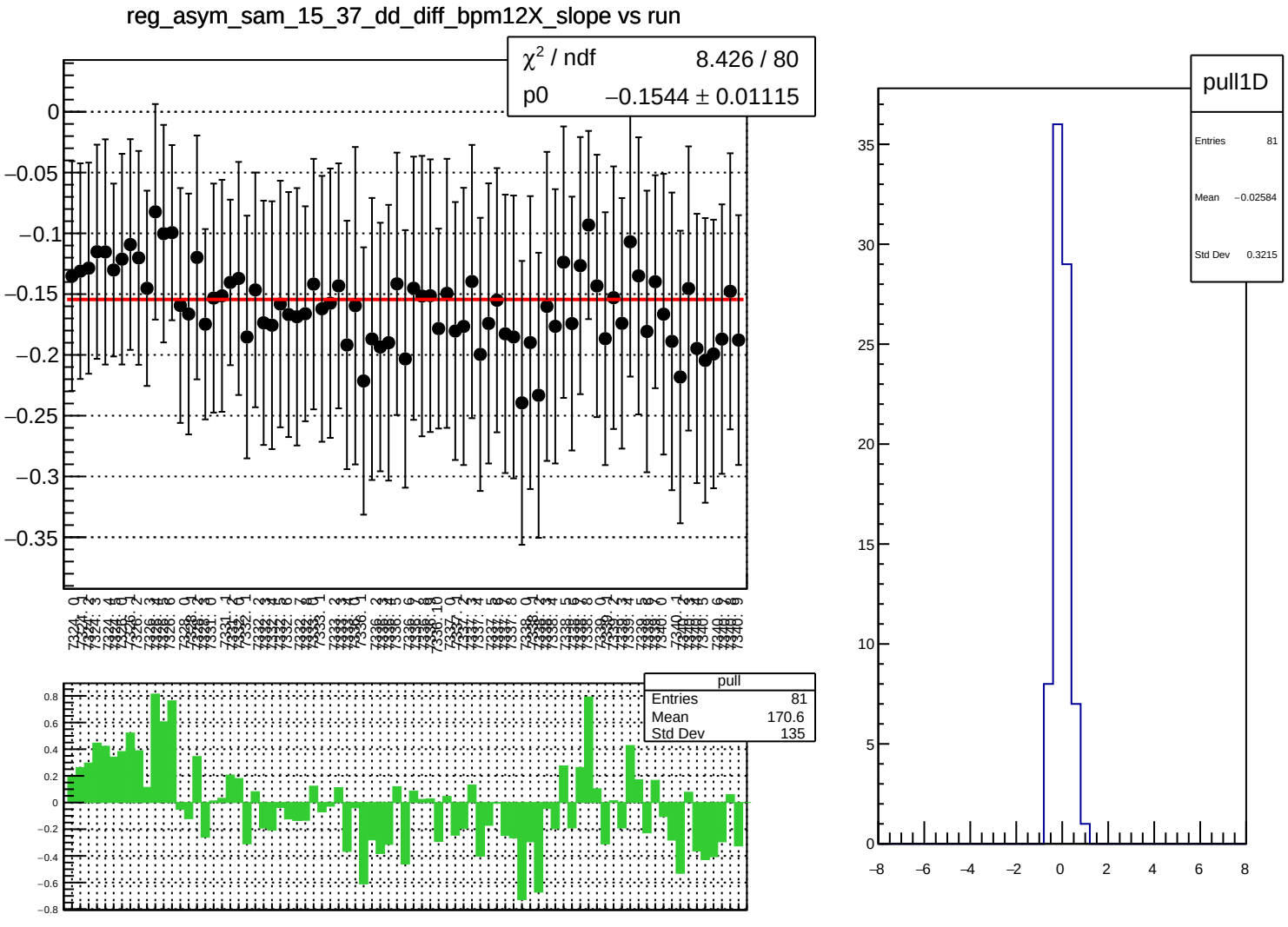

pull1D
Entries 81
Mean 0.03772
Std Dev 0.8599

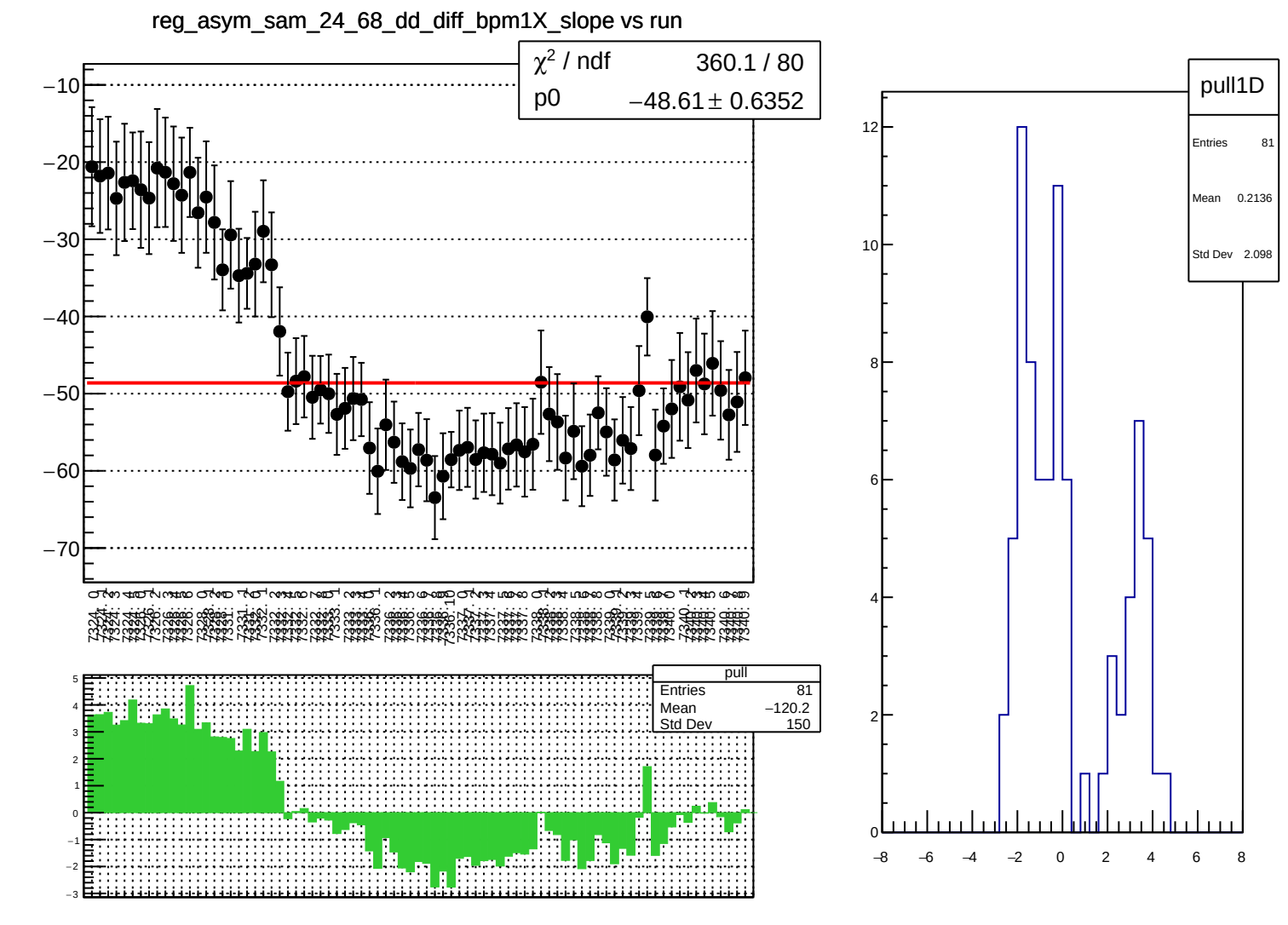

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 69.67 / 80
p0 3.288 ± 0.2402
pull
Entries 81
Mean −256.2
Std Dev 282
pull1D
Entries 81
Mean −0.03641
Std Dev 0.9267

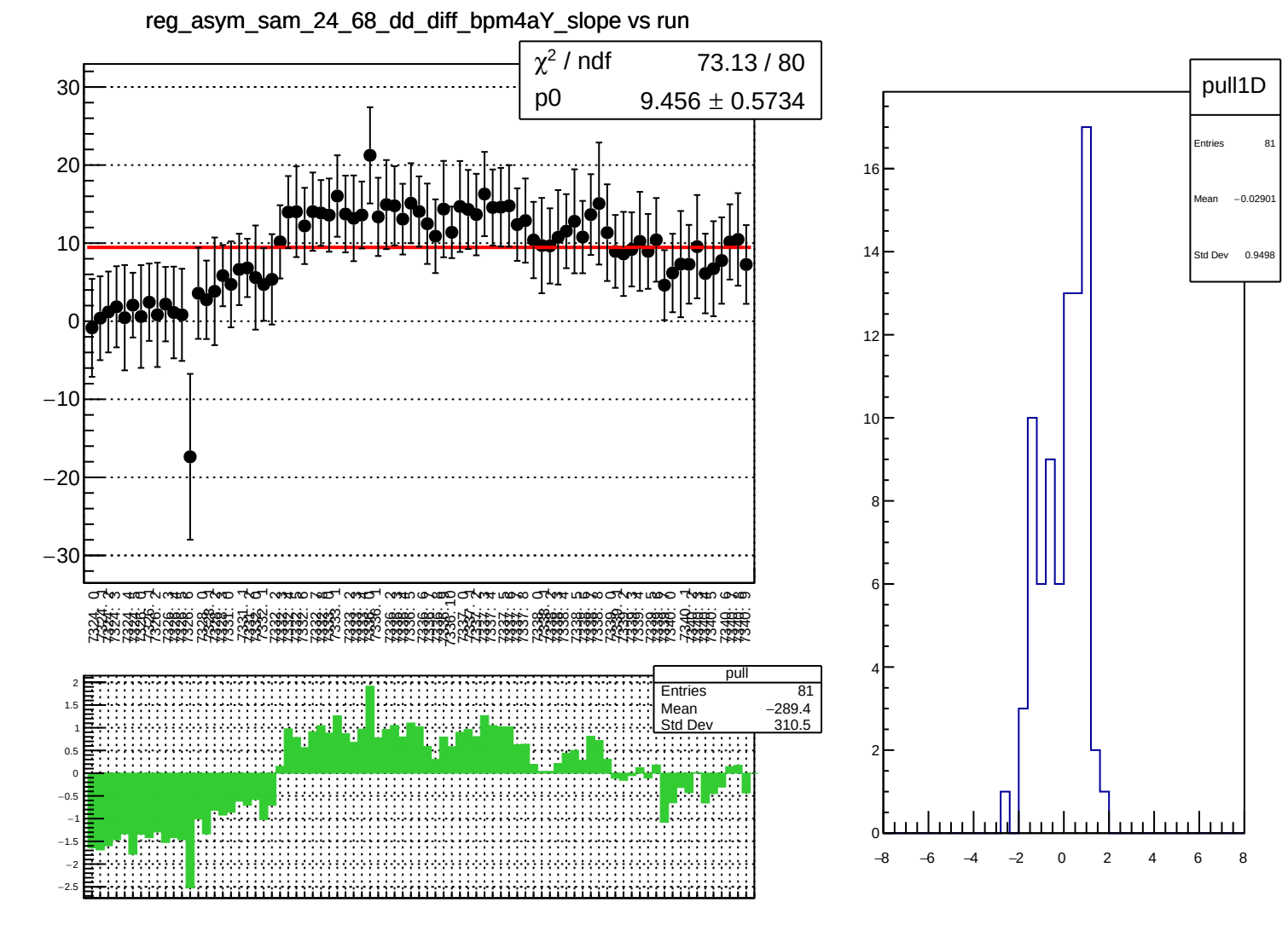

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.93 / 80
p0 −3.703 ± 0.215
pull
Entries 81
Mean 625.1
Std Dev 590.4
pull1D
Entries 81
Mean −0.01642
Std Dev 0.587

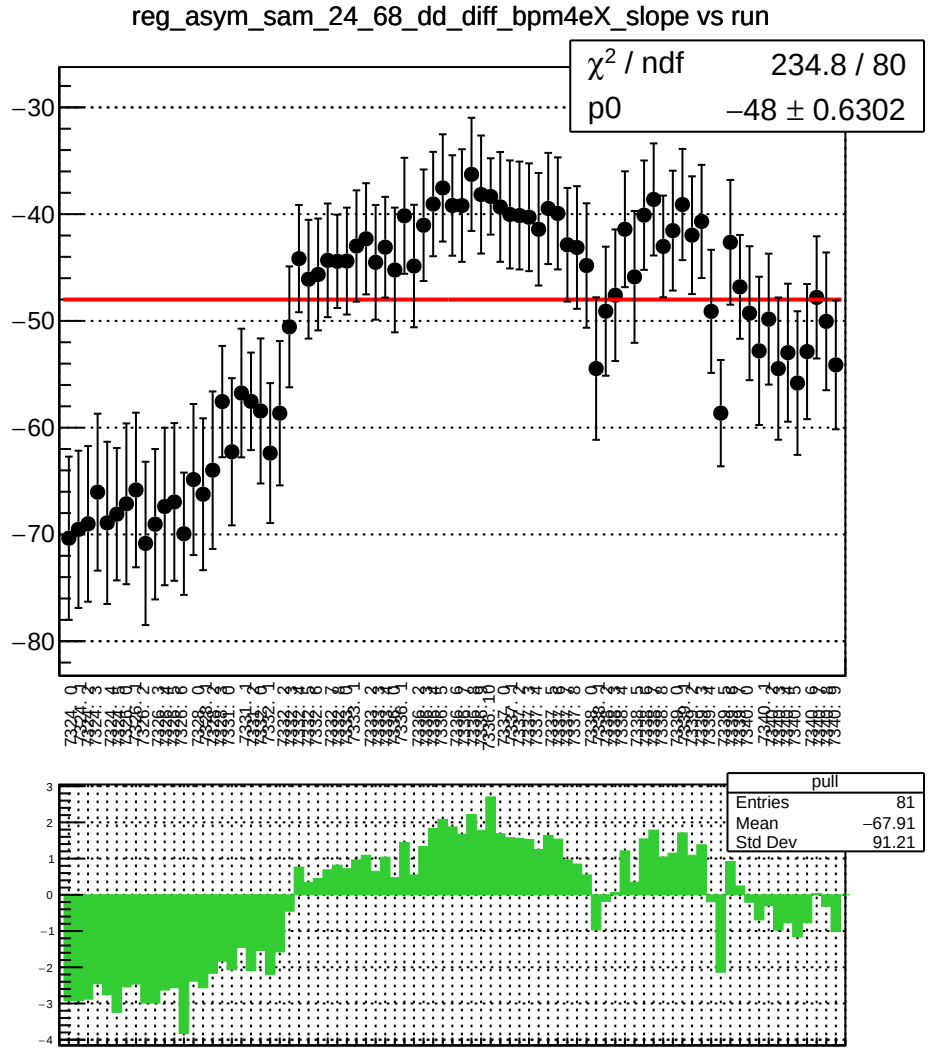

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.76 / 80
p0 23.06 ± 0.2384
pull
Entries 81
Mean 231.8
Std Dev 180.4
pull1D
Entries 81
Mean 0.05629
Std Dev 0.8051

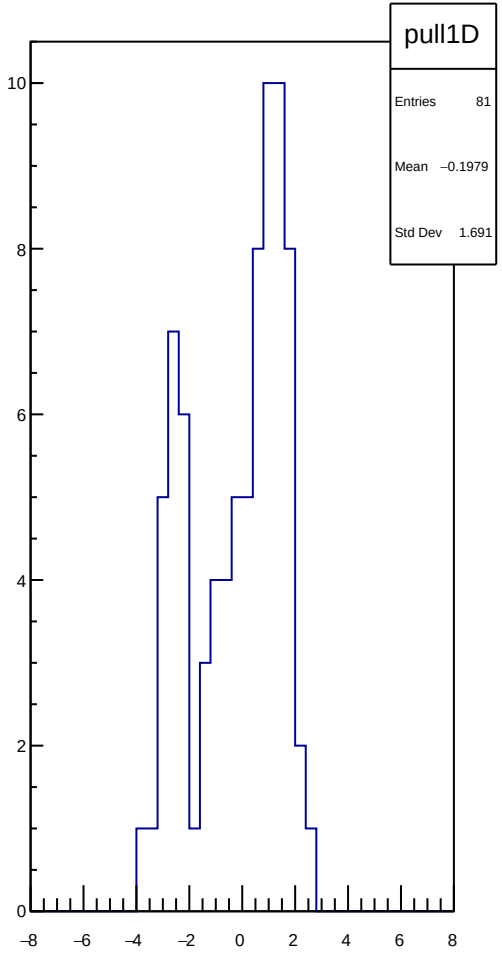

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 172.7 / 80
p0 26.92 ± 0.2265
pull
Entries 81
Mean 347.8
Std Dev 310.7
pull1D
Entries 81
Mean 0.09668
Std Dev 1.457

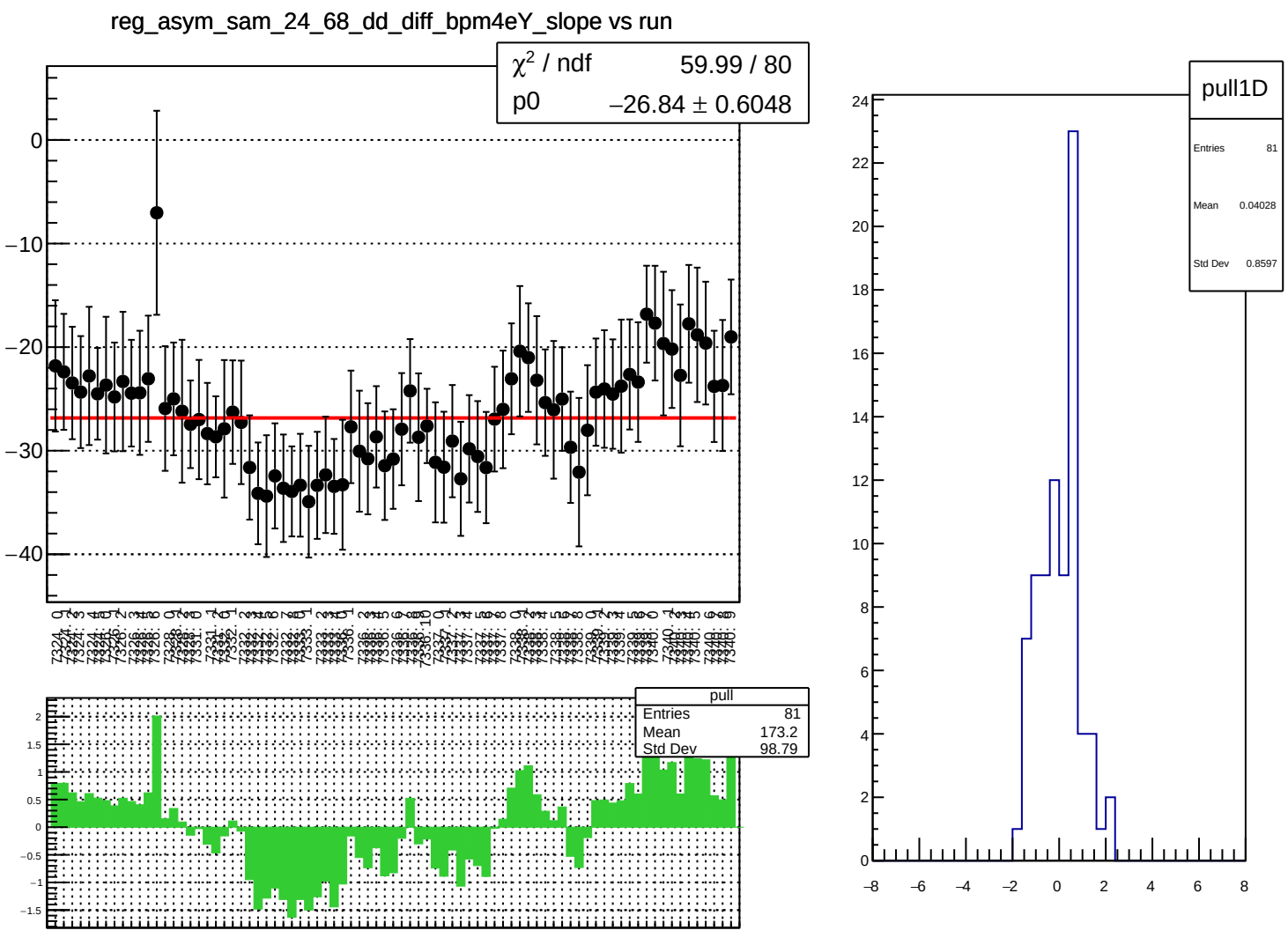

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 8.426 / 80
p0 −0.1544 ± 0.01115
pull
Entries 81
Mean 170.6
Std Dev 135
pull1D
Entries 81
Mean −0.02584
Std Dev 0.3215

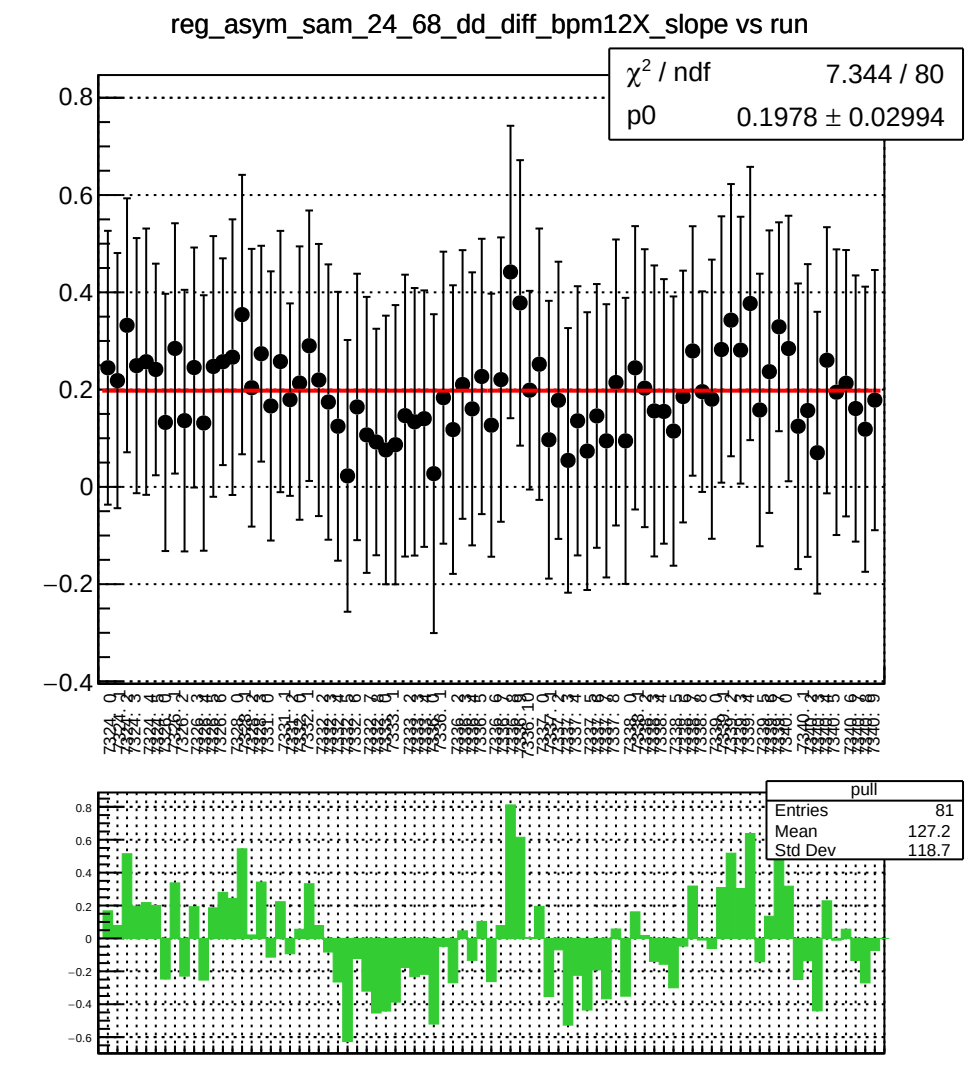

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 360.1 / 80
p0 −48.61 ± 0.6352
pull
Entries 81
Mean −120.2
Std Dev 150
pull1D
Entries 81
Mean 0.2136
Std Dev 2.098

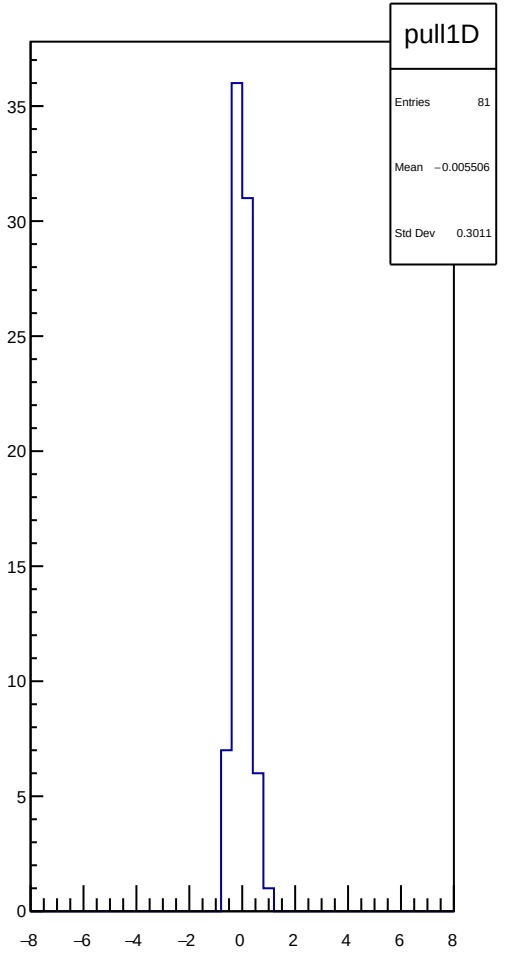

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.13 / 80
p0 9.456 ± 0.5734
pull
Entries 81
Mean −289.4
Std Dev 310.5
pull1D
Entries 81
Mean −0.02901
Std Dev 0.9498

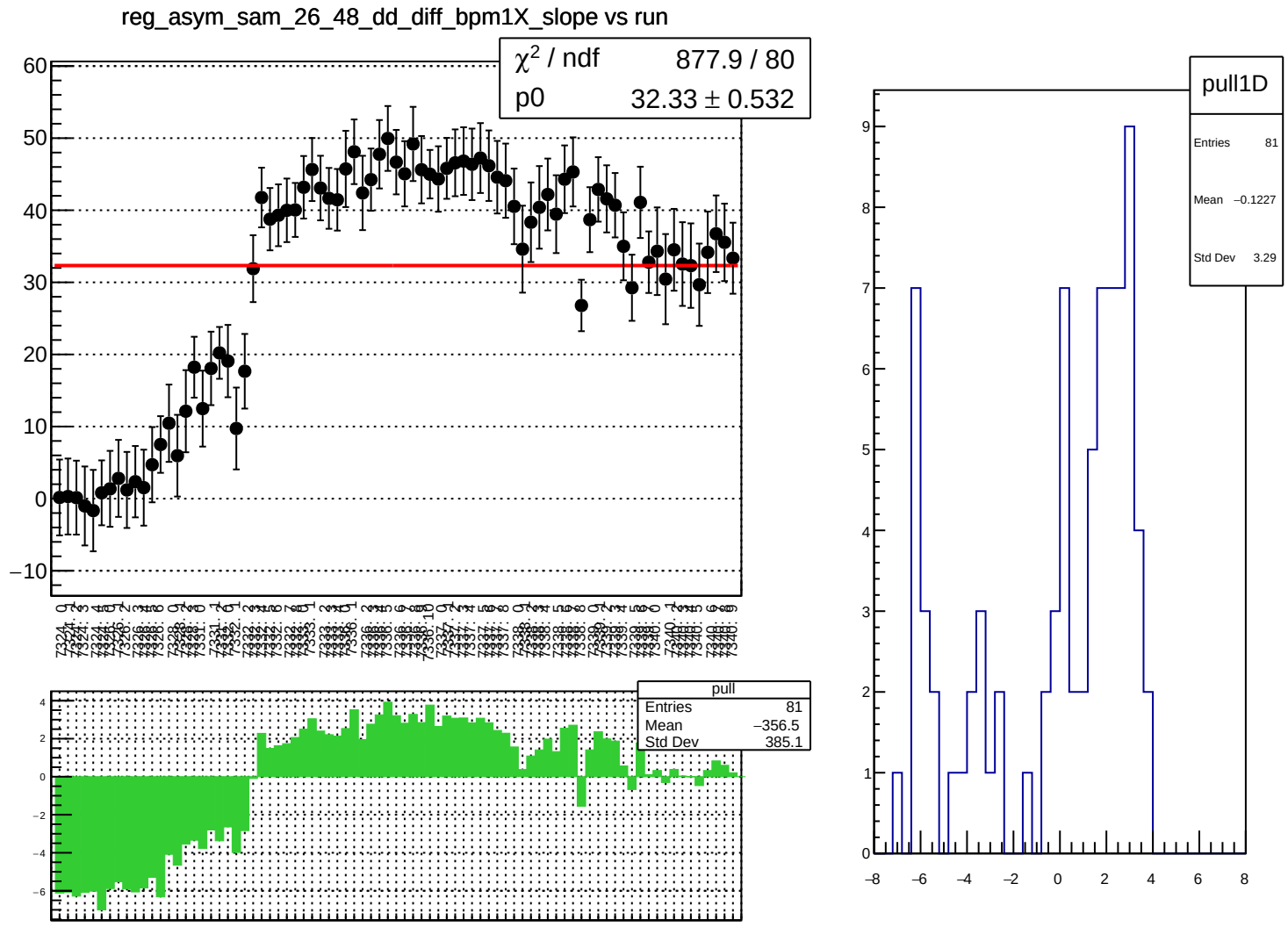

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 234.8 / 80
p0 −48 ± 0.6302
pull
Entries 81
Mean −67.91
Std Dev 91.21

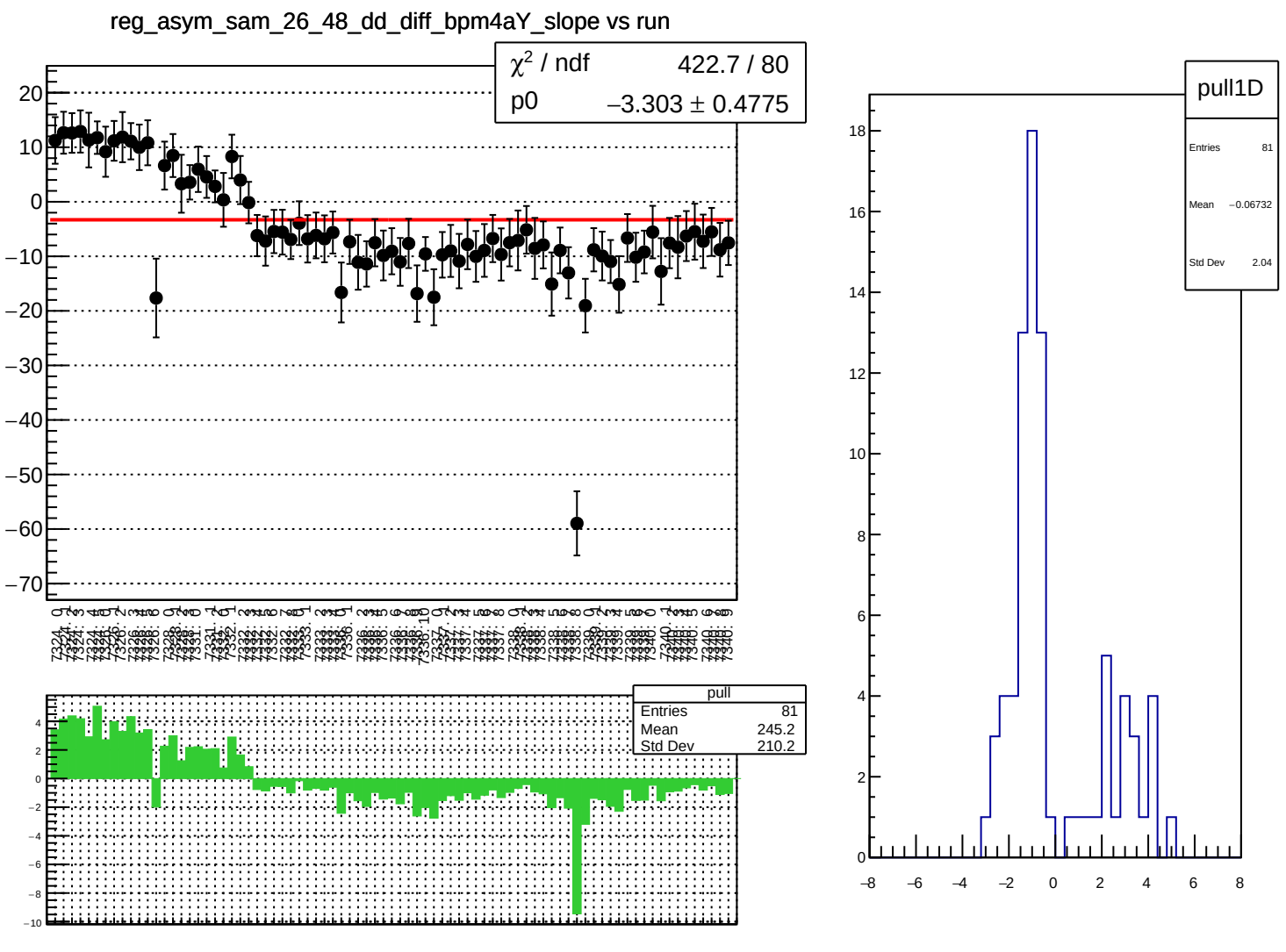

pull1D
Entries 81
Mean −0.1979
Std Dev 1.691

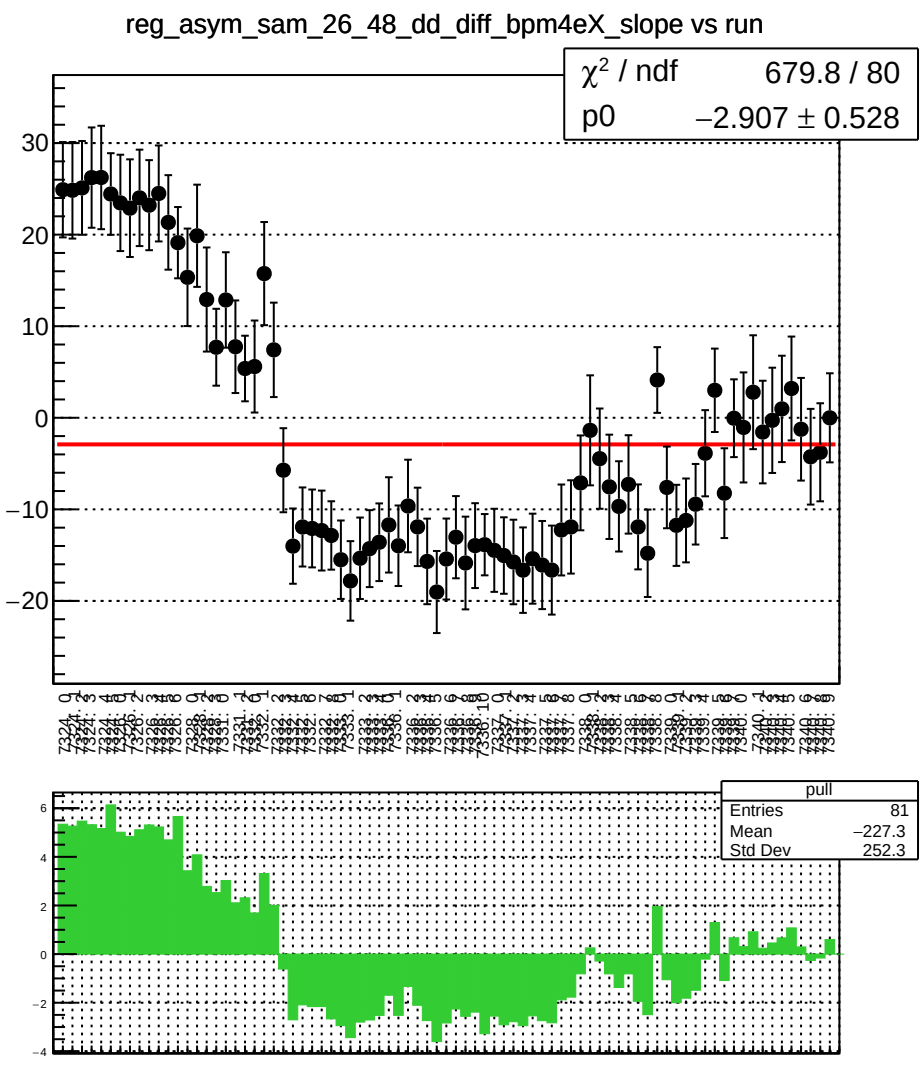

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.99 / 80
p0 −26.84 ± 0.6048
pull
Entries 81
Mean 173.2
Std Dev 98.79
pull1D
Entries 81
Mean 0.04028
Std Dev 0.8597

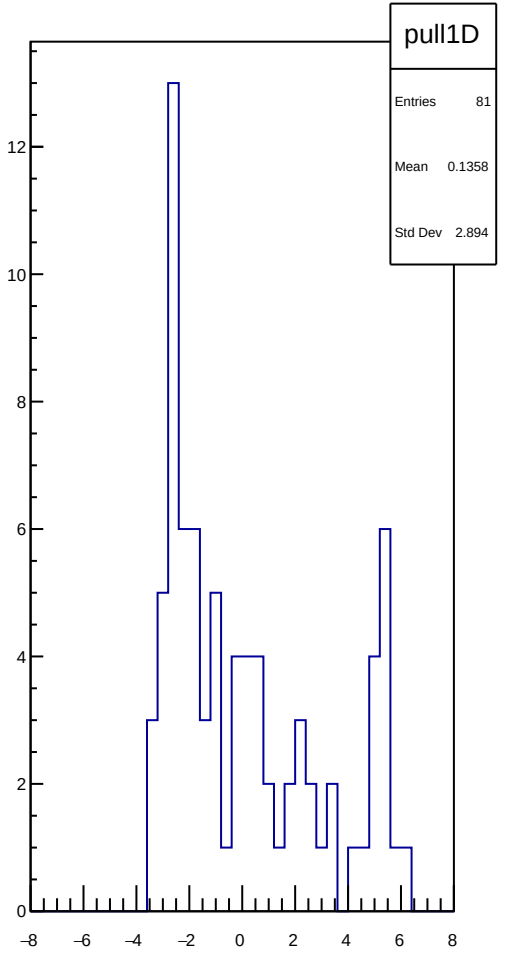

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.344 / 80
p0 0.1978 ± 0.02994
pull
Entries 81
Mean 127.2
Std Dev 118.7

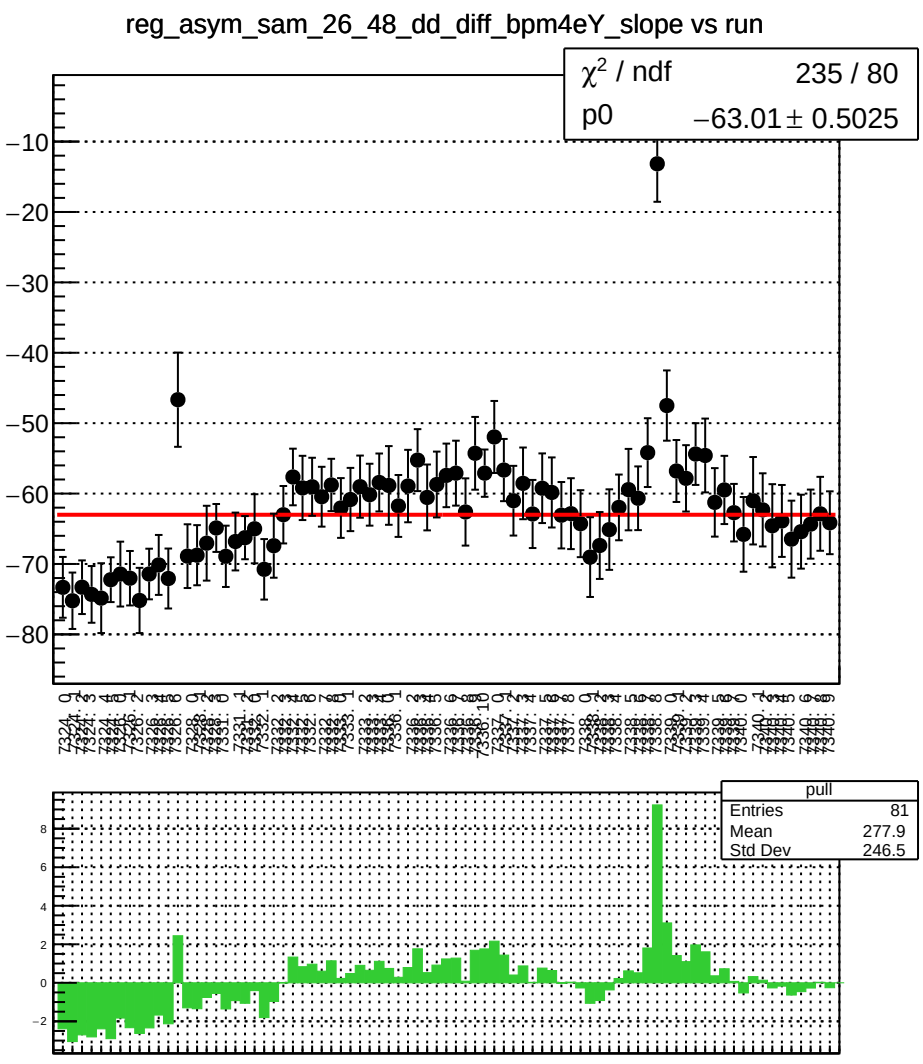

pull1D
Entries 81
Mean −0.005506
Std Dev 0.3011

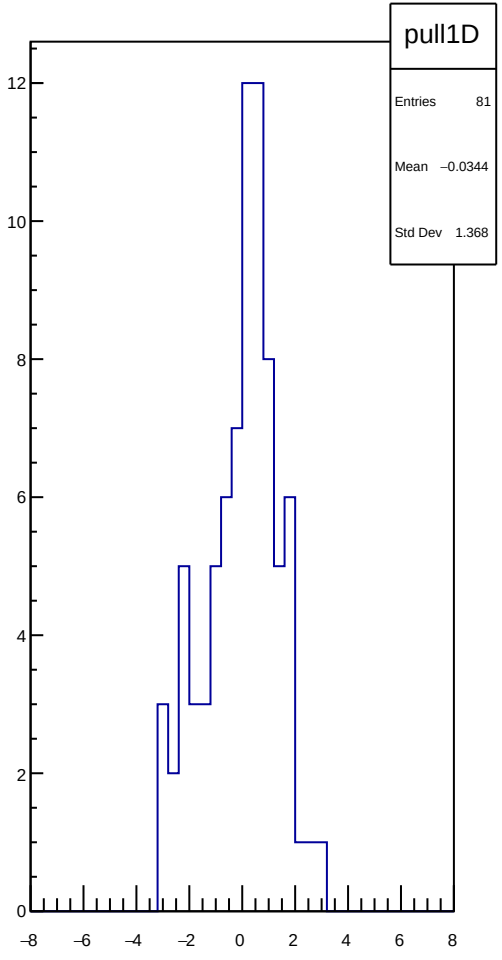

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 877.9 / 80
p0 32.33 ± 0.532
pull
Entries 81
Mean −356.5
Std Dev 385.1
pull1D
Entries 81
Mean −0.1227
Std Dev 3.29

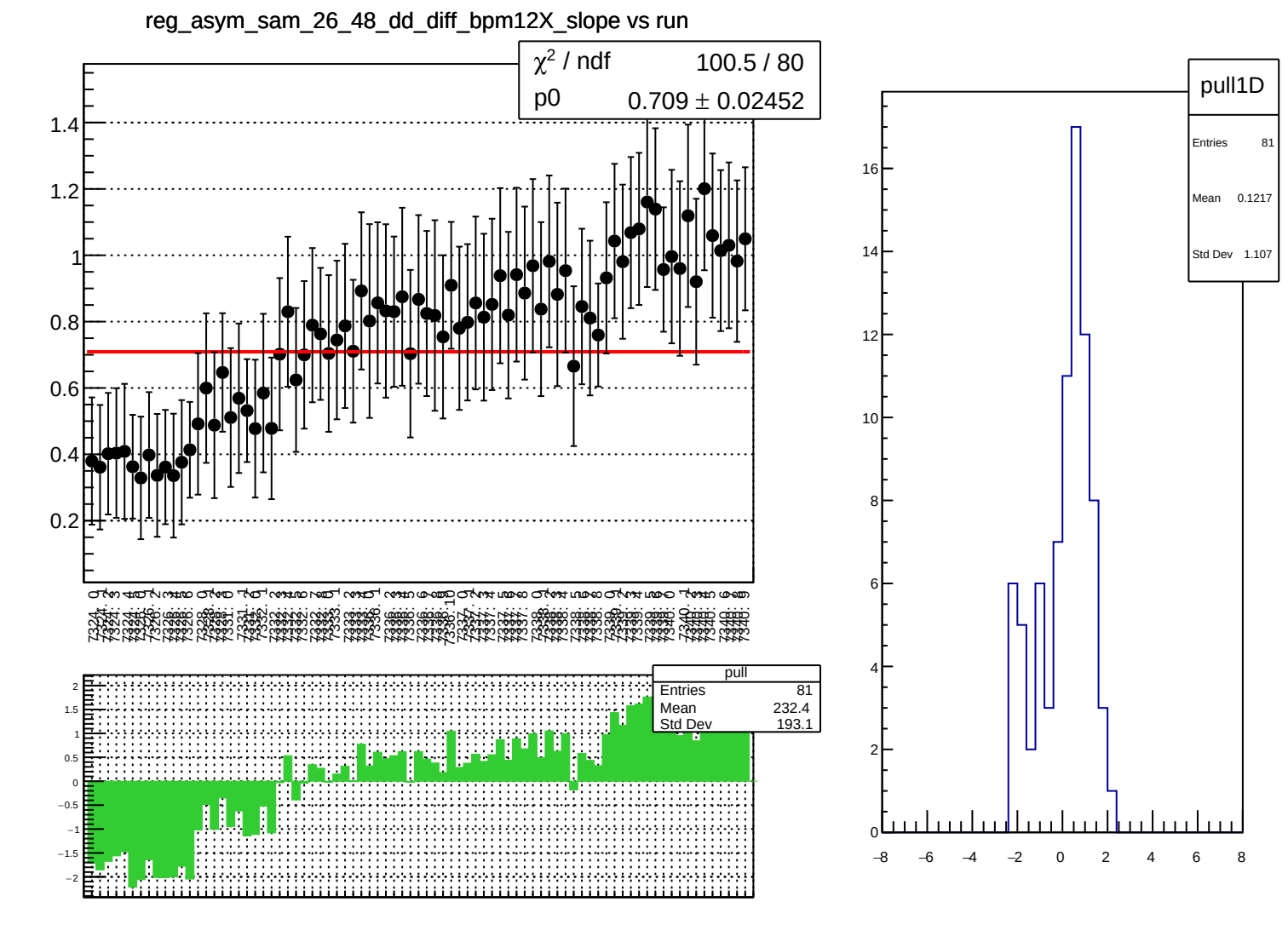

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 422.7 / 80
p0 −3.303 ± 0.4775
pull
Entries 81
Mean 245.2
Std Dev 210.2
pull1D
Entries 81
Mean −0.06732
Std Dev 2.04

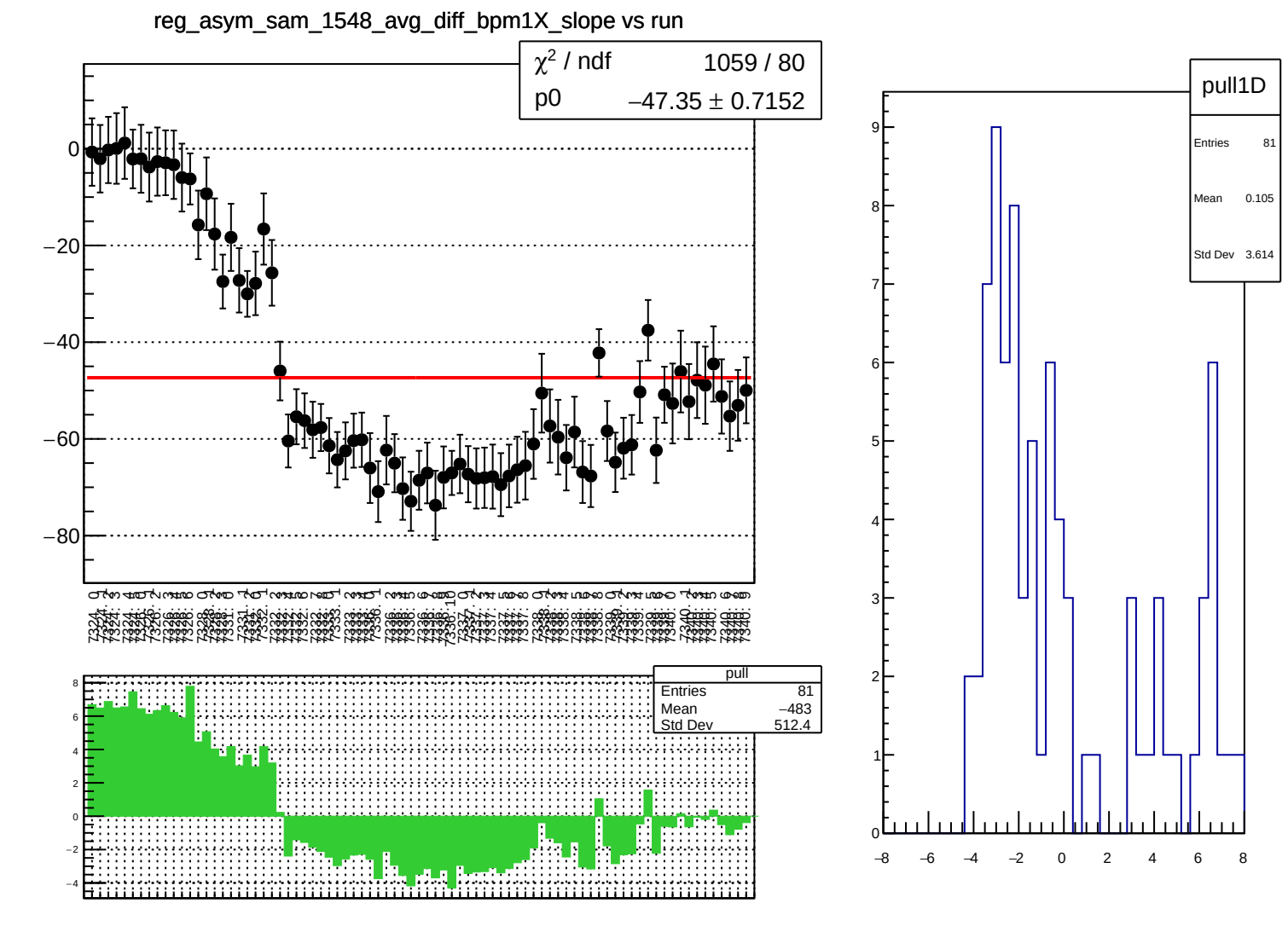

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 679.8 / 80
p0 −2.907 ± 0.528
pull
Entries 81
Mean −227.3
Std Dev 252.3

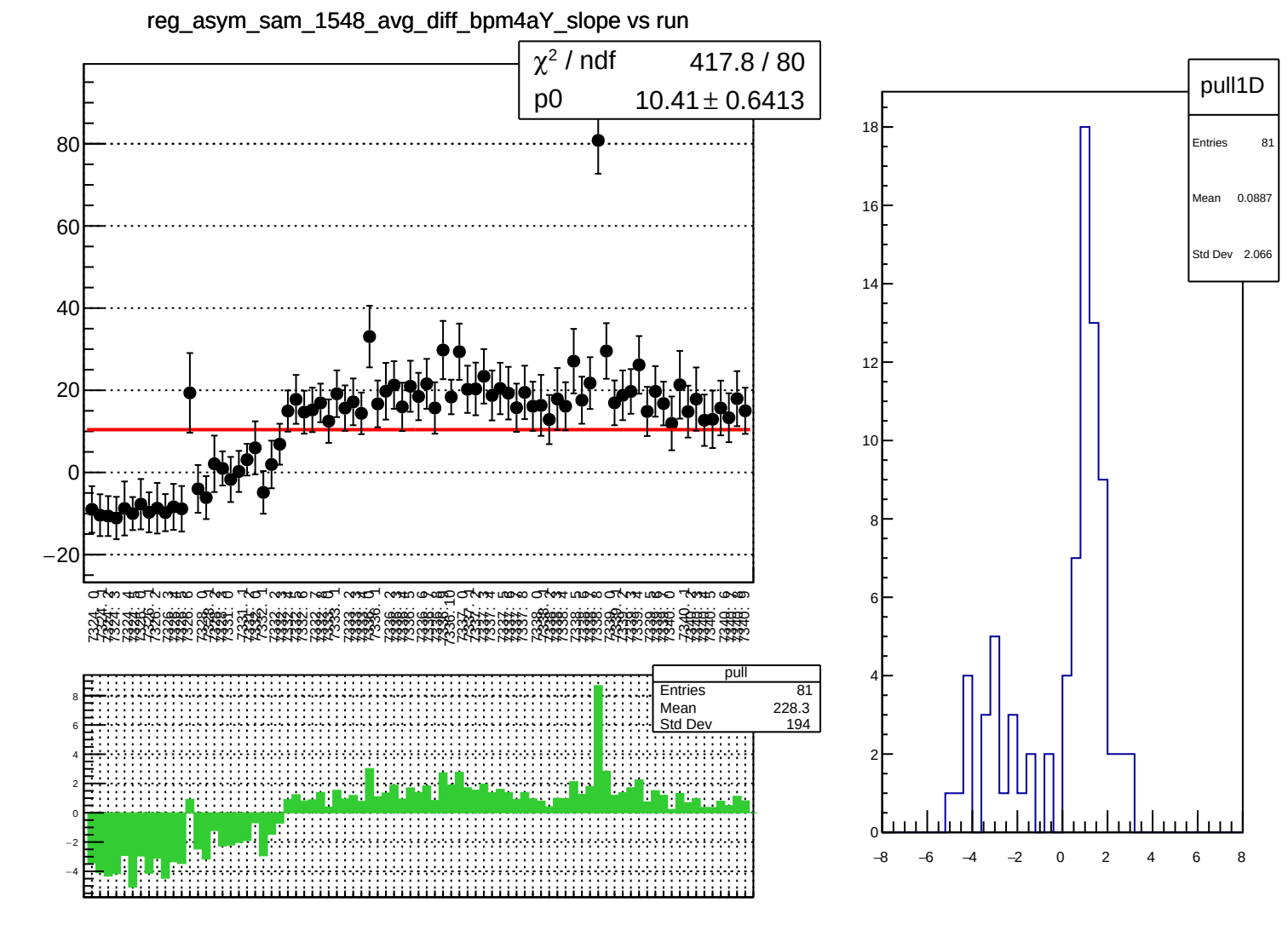

pull1D
Entries 81
Mean 0.1358
Std Dev 2.894

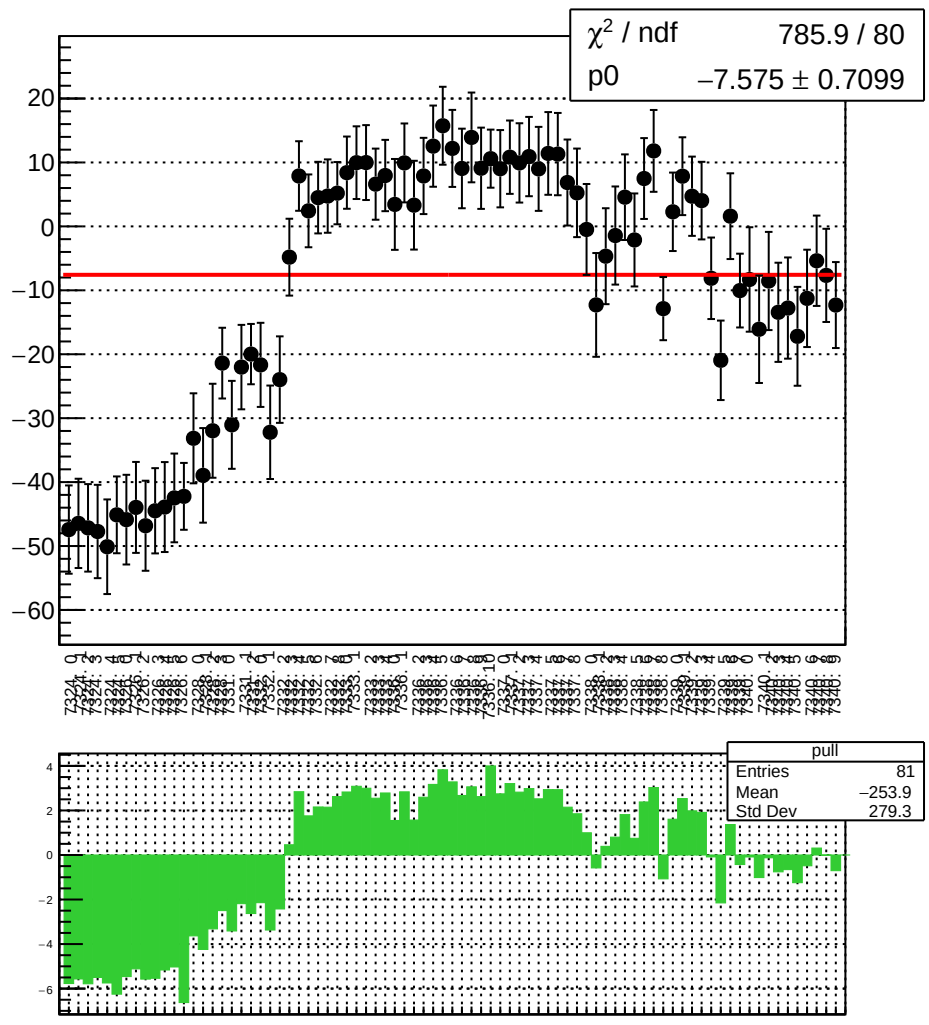

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 235 / 80
p0 −63.01 ± 0.5025
pull
Entries 81
Mean 277.9
Std Dev 246.5

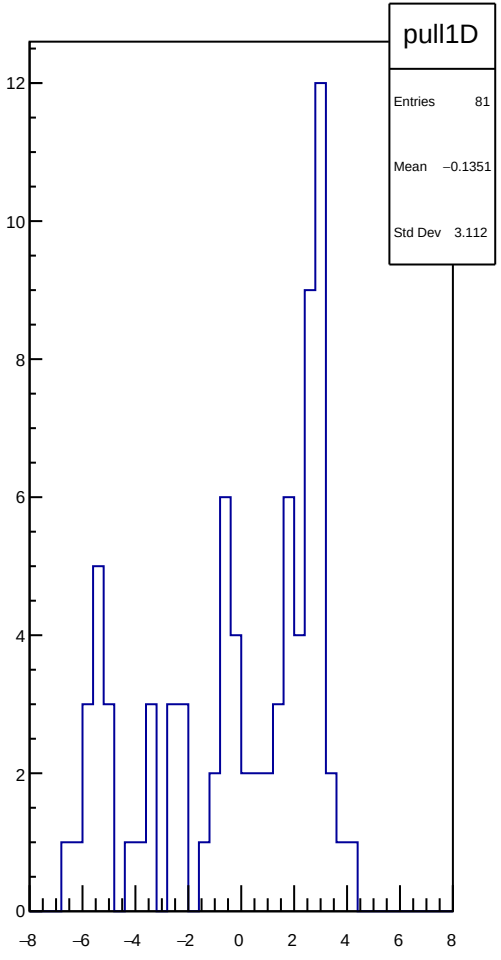

pull1D
Entries 81
Mean −0.0344
Std Dev 1.368

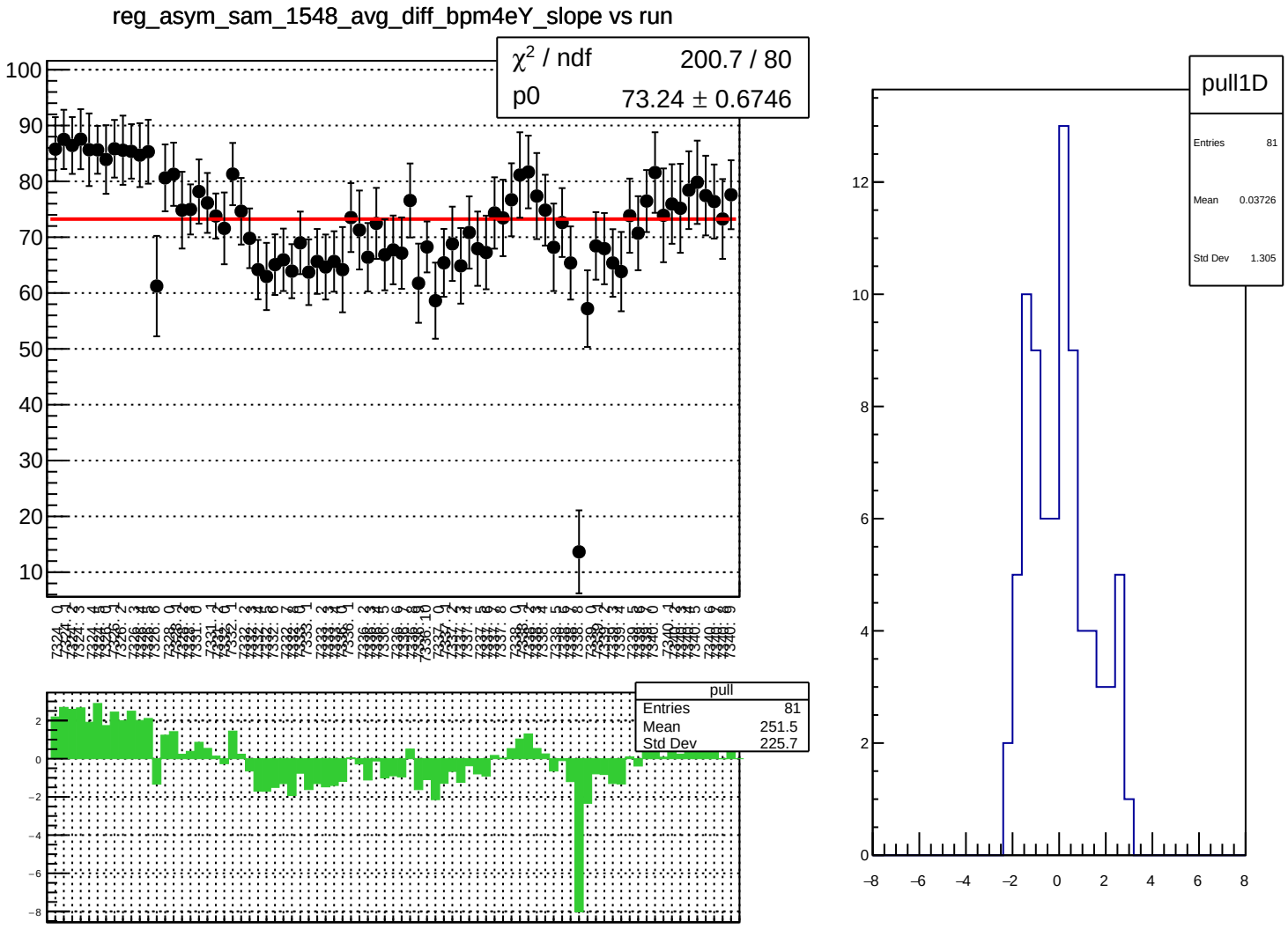

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 80
p0 0.709 ± 0.02452
pull
Entries 81
Mean 232.4
Std Dev 193.1
pull1D
Entries 81
Mean 0.1217
Std Dev 1.107

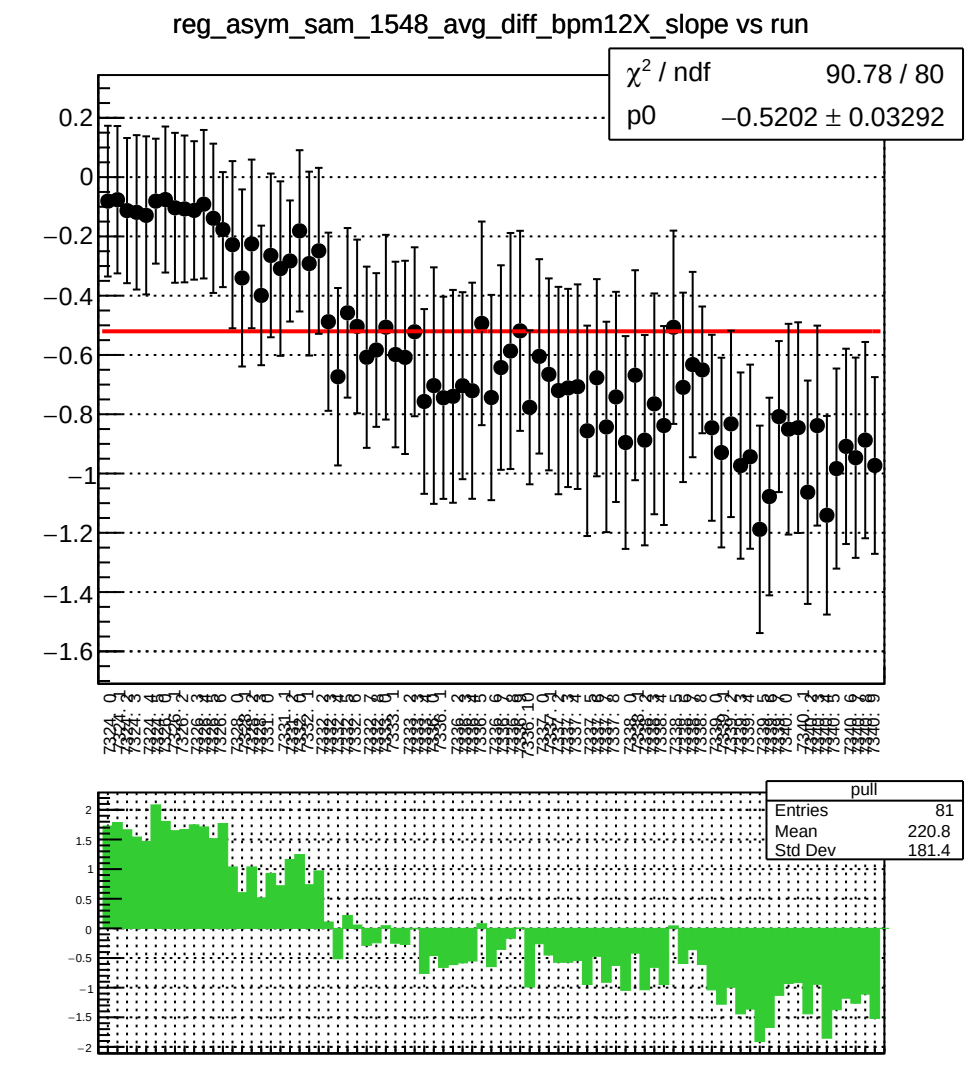

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1059 / 80
p0 −47.35 ± 0.7152
pull
Entries 81
Mean −483
Std Dev 512.4
pull1D
Entries 81
Mean 0.105
Std Dev 3.614

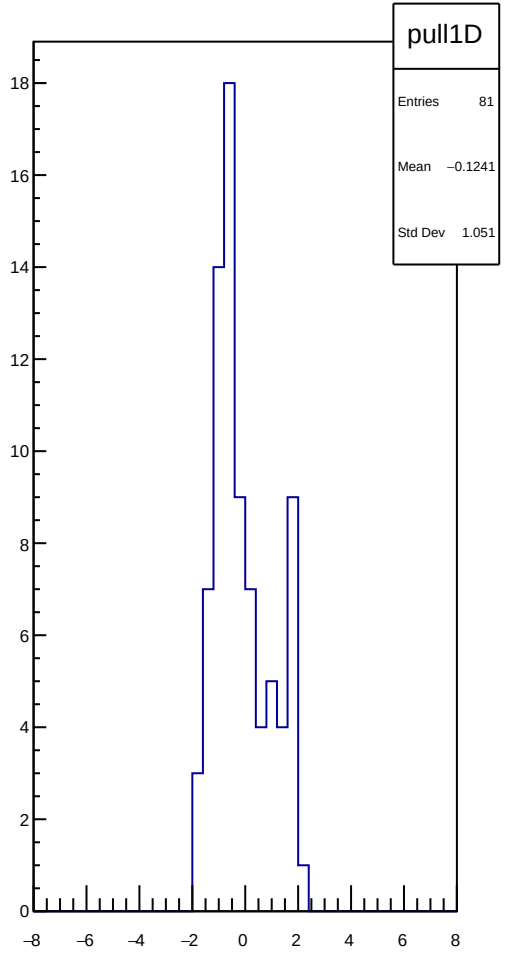

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 417.8 / 80
p0 10.41 ± 0.6413
pull
Entries 81
Mean 228.3
Std Dev 194
pull1D
Entries 81
Mean 0.0887
Std Dev 2.066

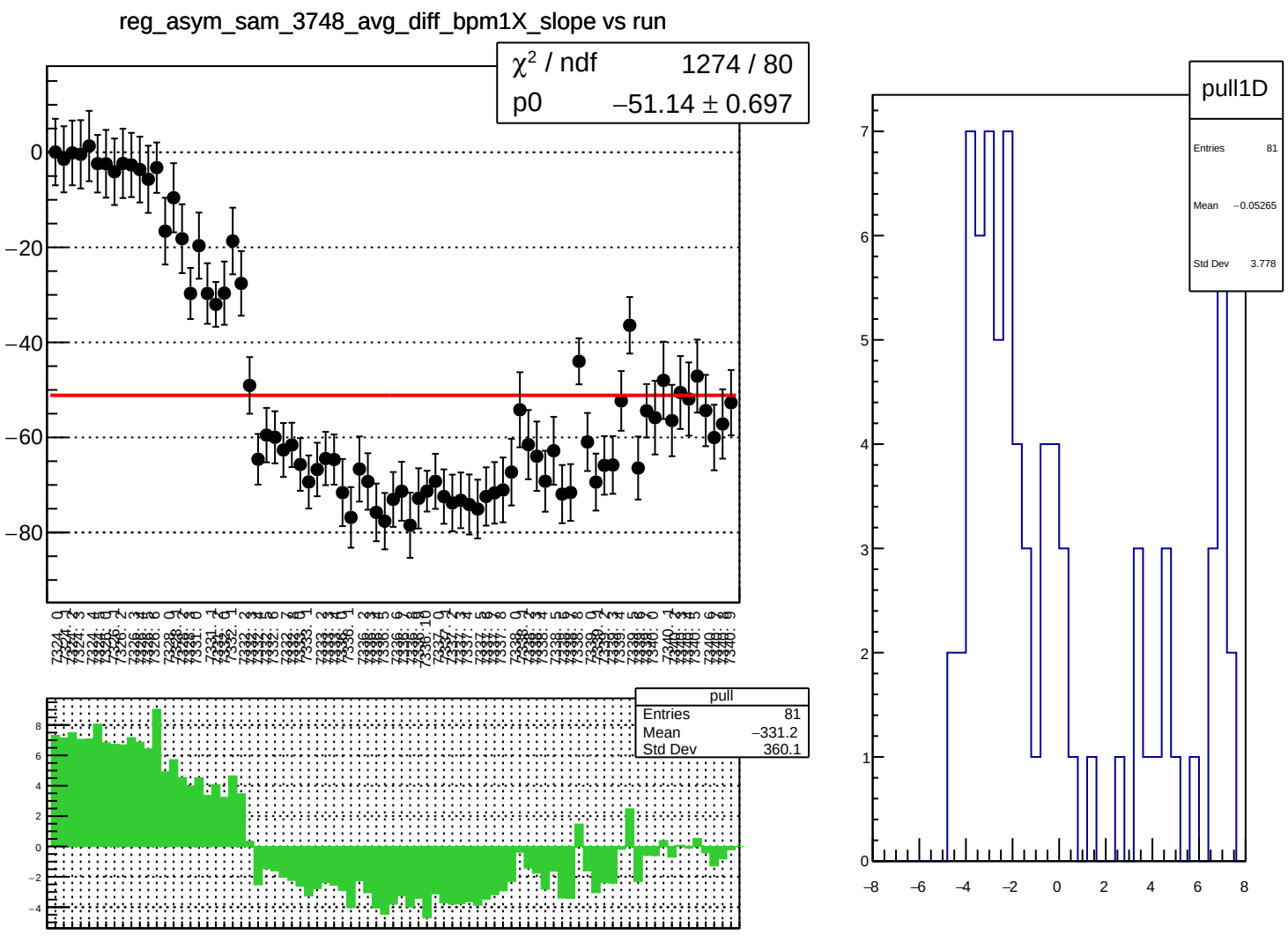

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 785.9 / 80
p0 −7.575 ± 0.7099
pull
Entries 81
Mean −253.9
Std Dev 279.3

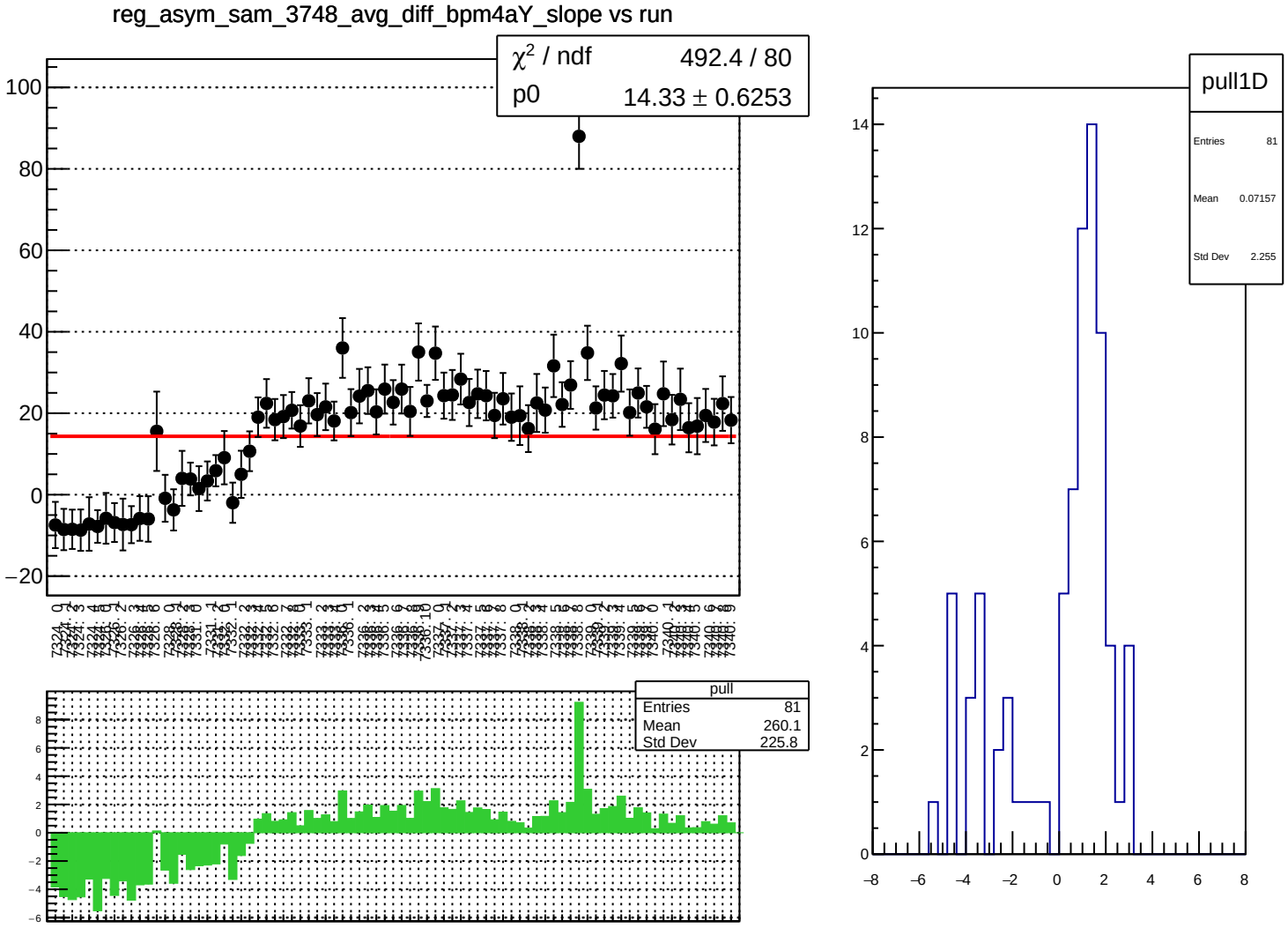

pull1D
Entries 81
Mean −0.1351
Std Dev 3.112

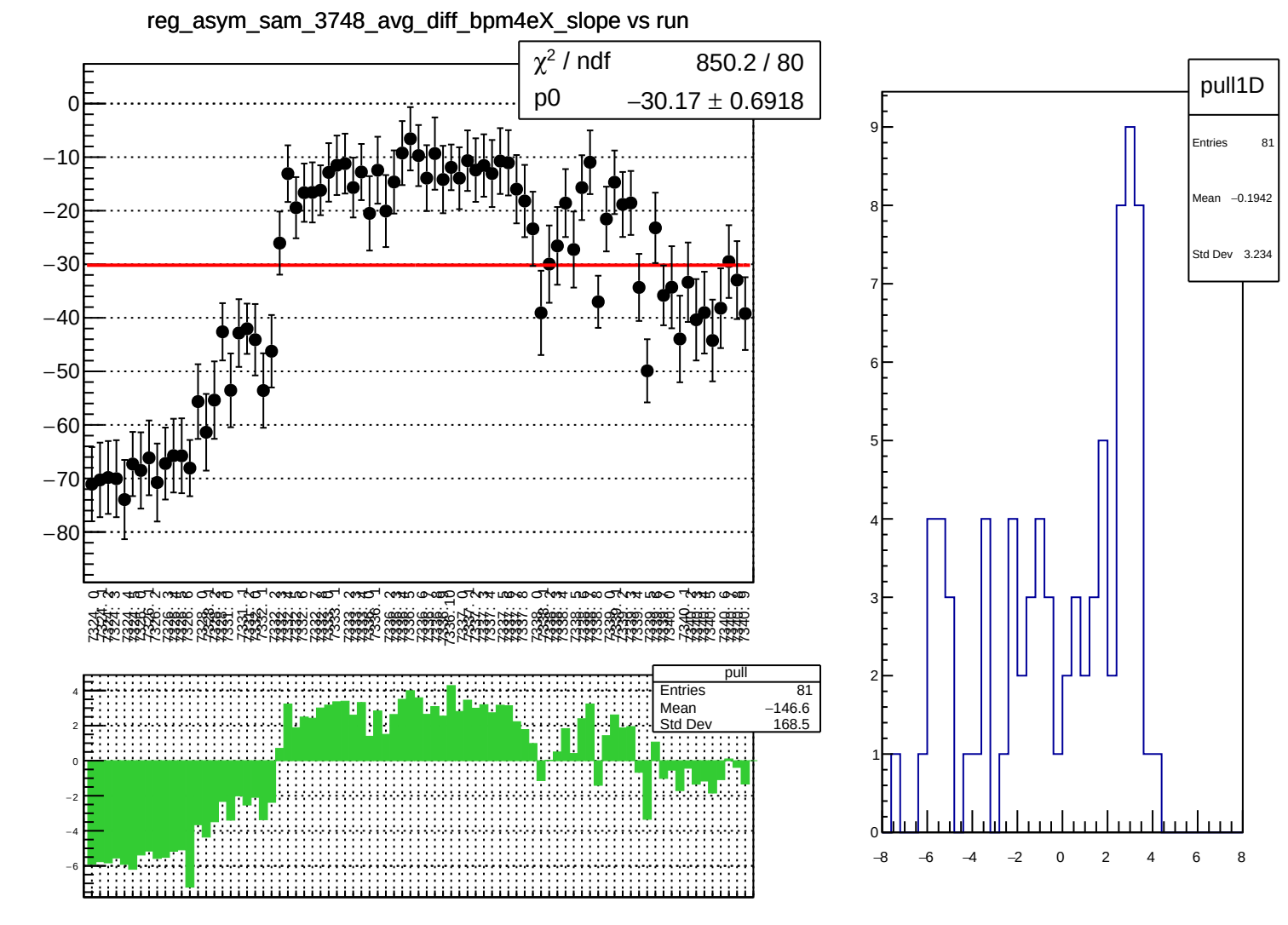

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 200.7 / 80
p0 73.24 ± 0.6746
pull
Entries 81
Mean 251.5
Std Dev 225.7
pull1D
Entries 81
Mean 0.03726
Std Dev 1.305

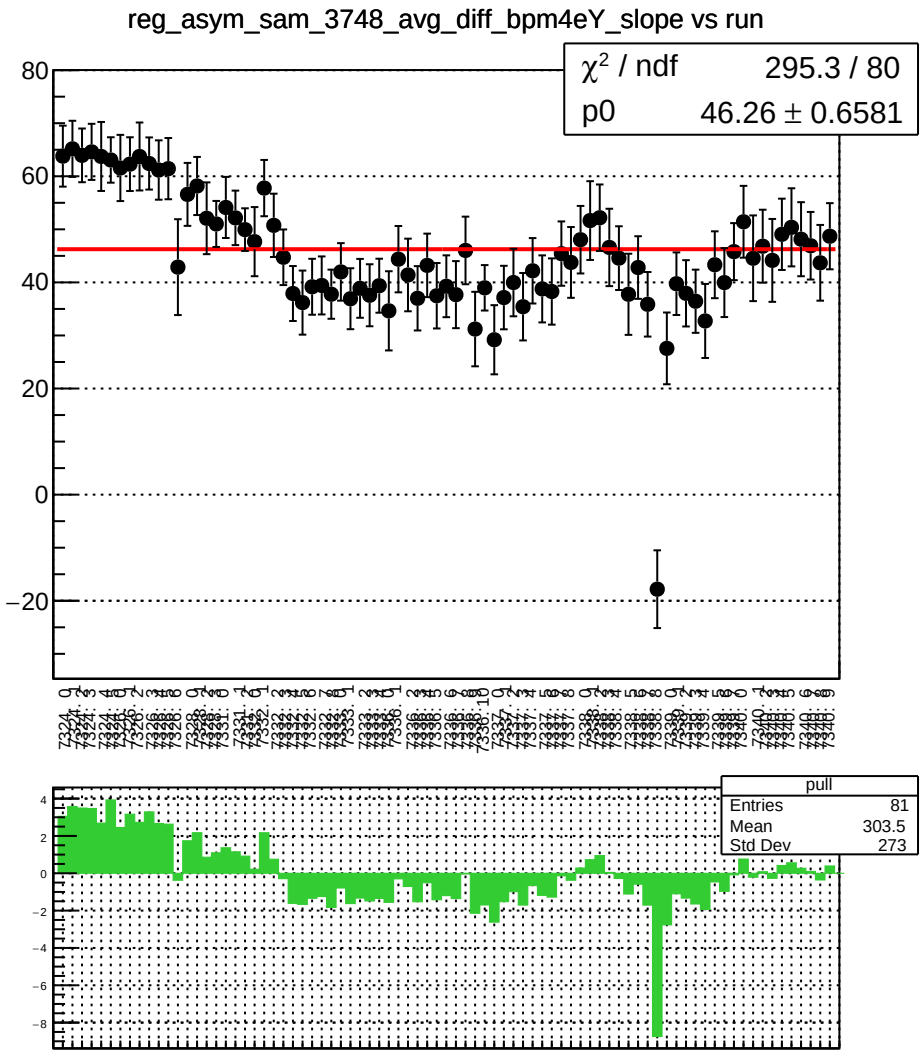

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 90.78 / 80
p0 −0.5202 ± 0.03292
pull
Entries 81
Mean 220.8
Std Dev 181.4

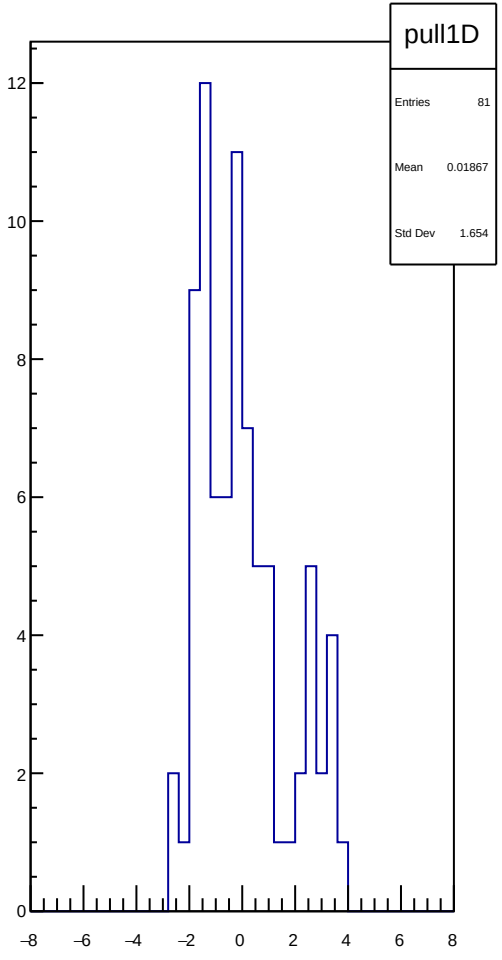

pull1D
Entries 81
Mean −0.1241
Std Dev 1.051

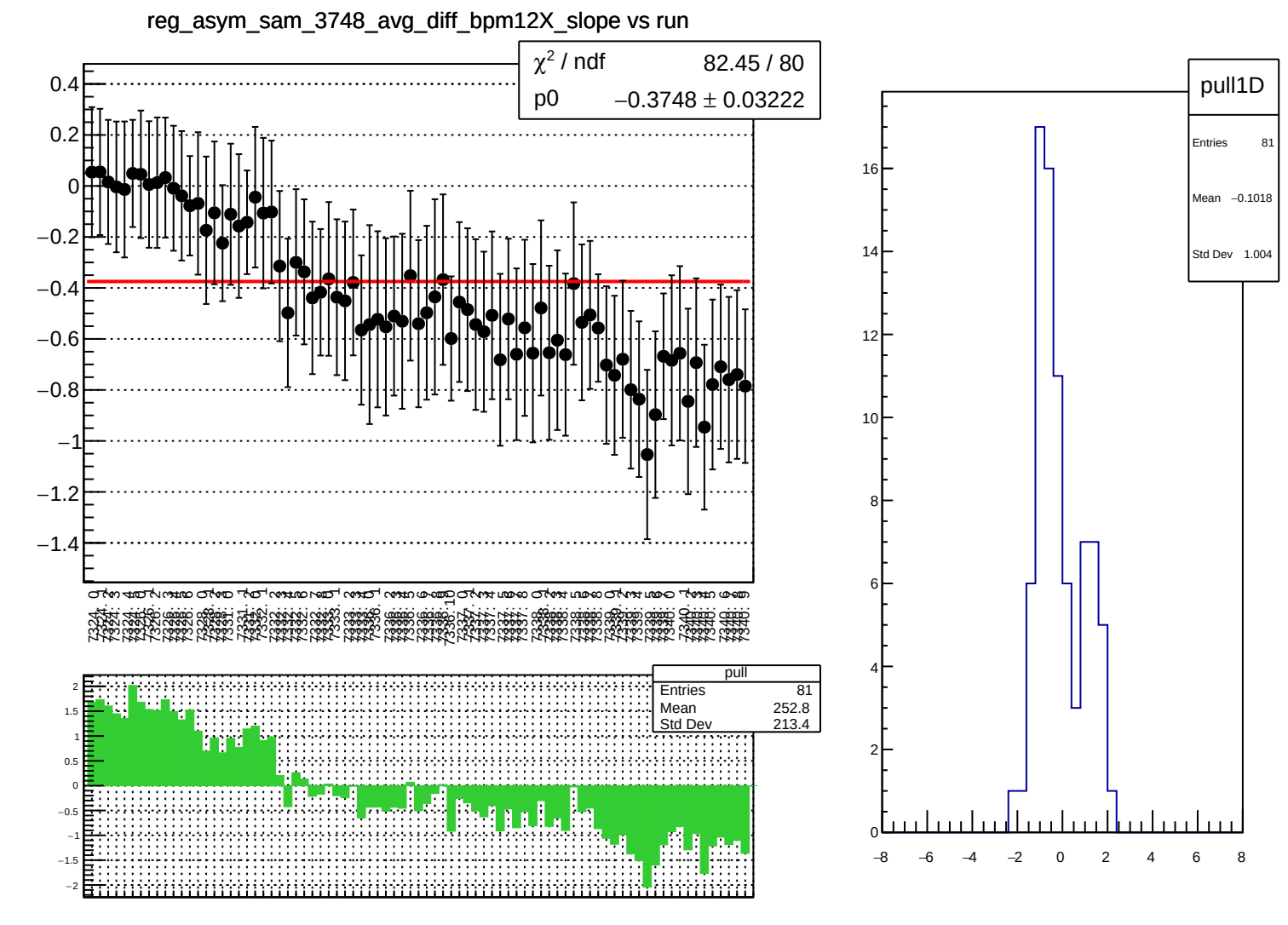

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1274 / 80
p0 −51.14 ± 0.697
pull
Entries 81
Mean −331.2
Std Dev 360.1
pull1D
Entries 81
Mean −0.05265
Std Dev 3.778

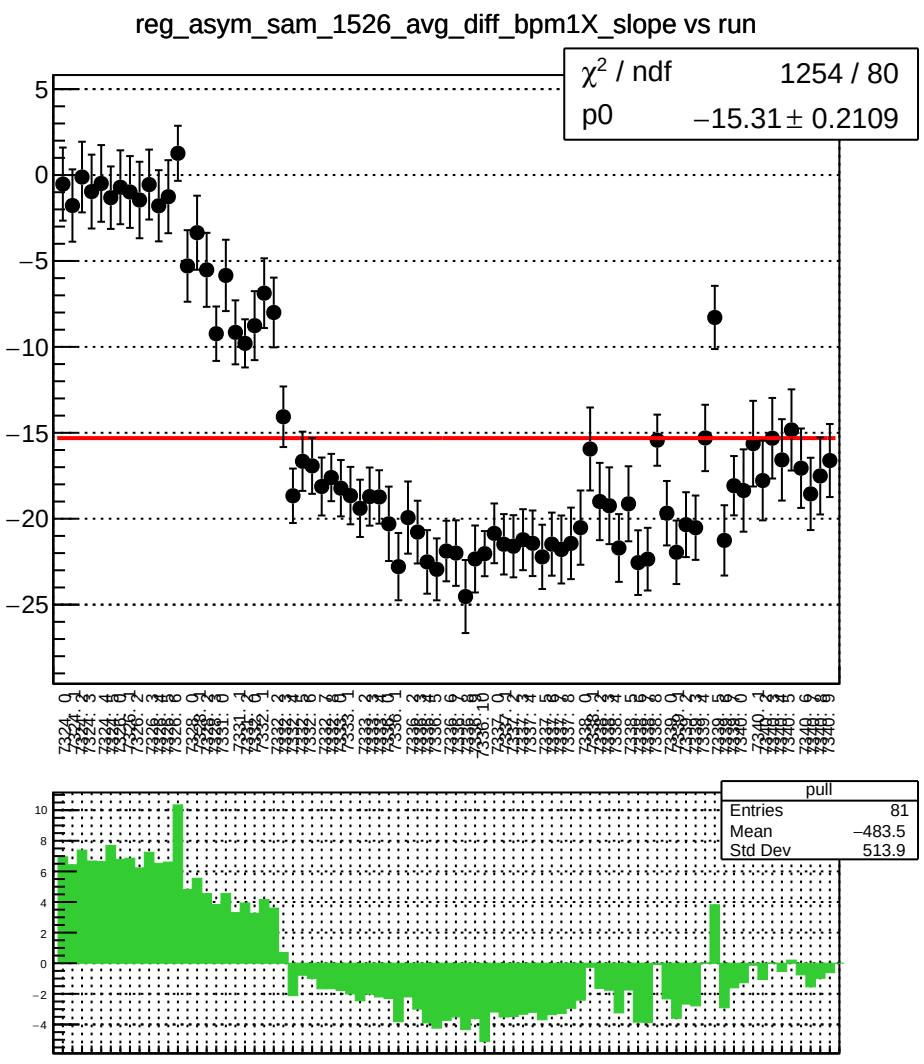

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 492.4 / 80
p0 14.33 ± 0.6253
pull
Entries 81
Mean 260.1
Std Dev 225.8
pull1D
Entries 81
Mean 0.07157
Std Dev 2.255

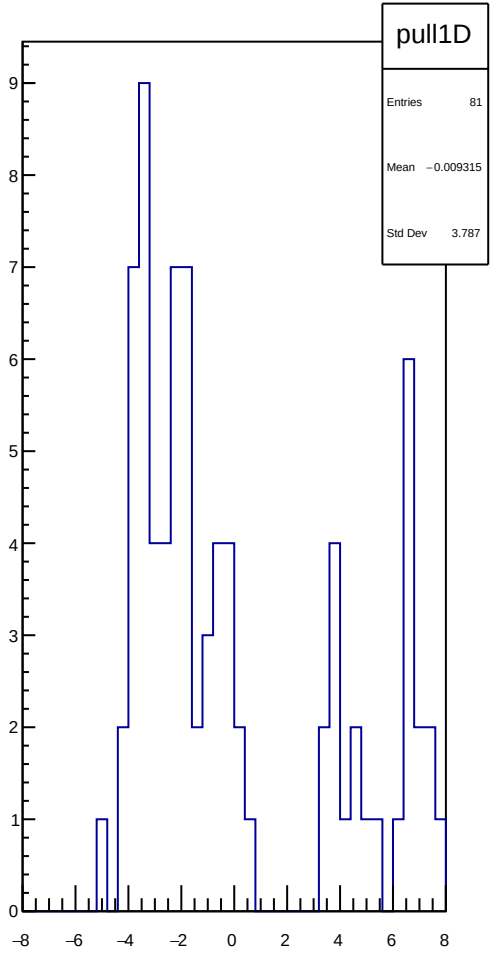

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 850.2 / 80
p0 −30.17 ± 0.6918
pull
Entries 81
Mean −146.6
Std Dev 168.5
pull1D
Entries 81
Mean −0.1942
Std Dev 3.234

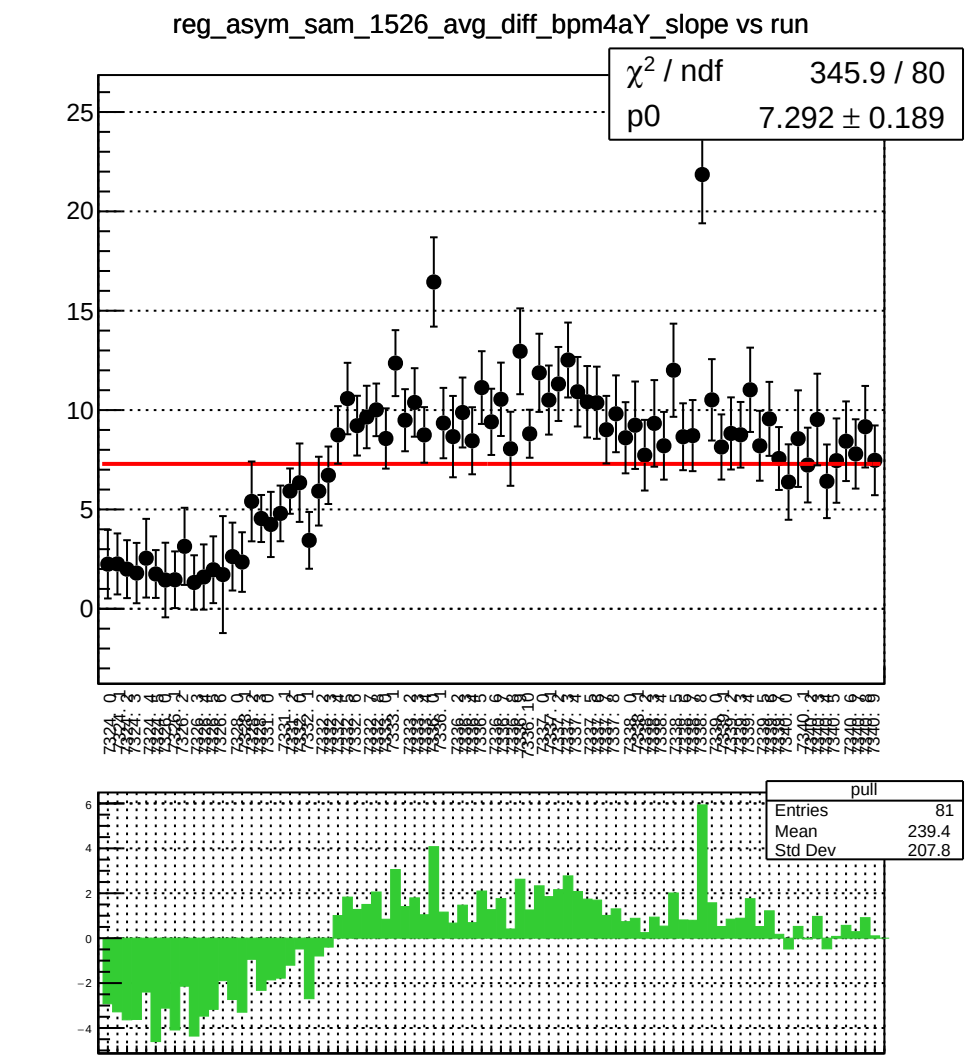

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 295.3 / 80
p0 46.26 ± 0.6581
pull
Entries 81
Mean 303.5
Std Dev 273

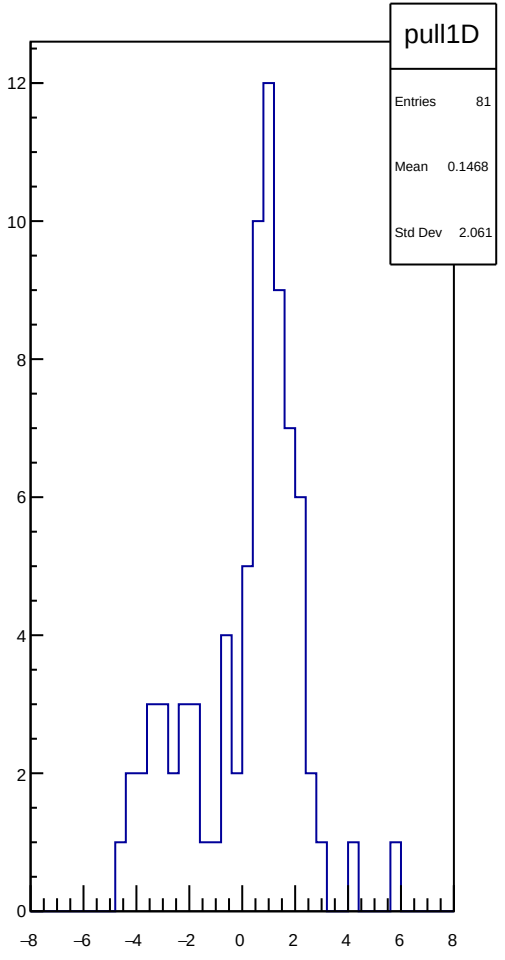

pull1D
Entries 81
Mean 0.01867
Std Dev 1.654

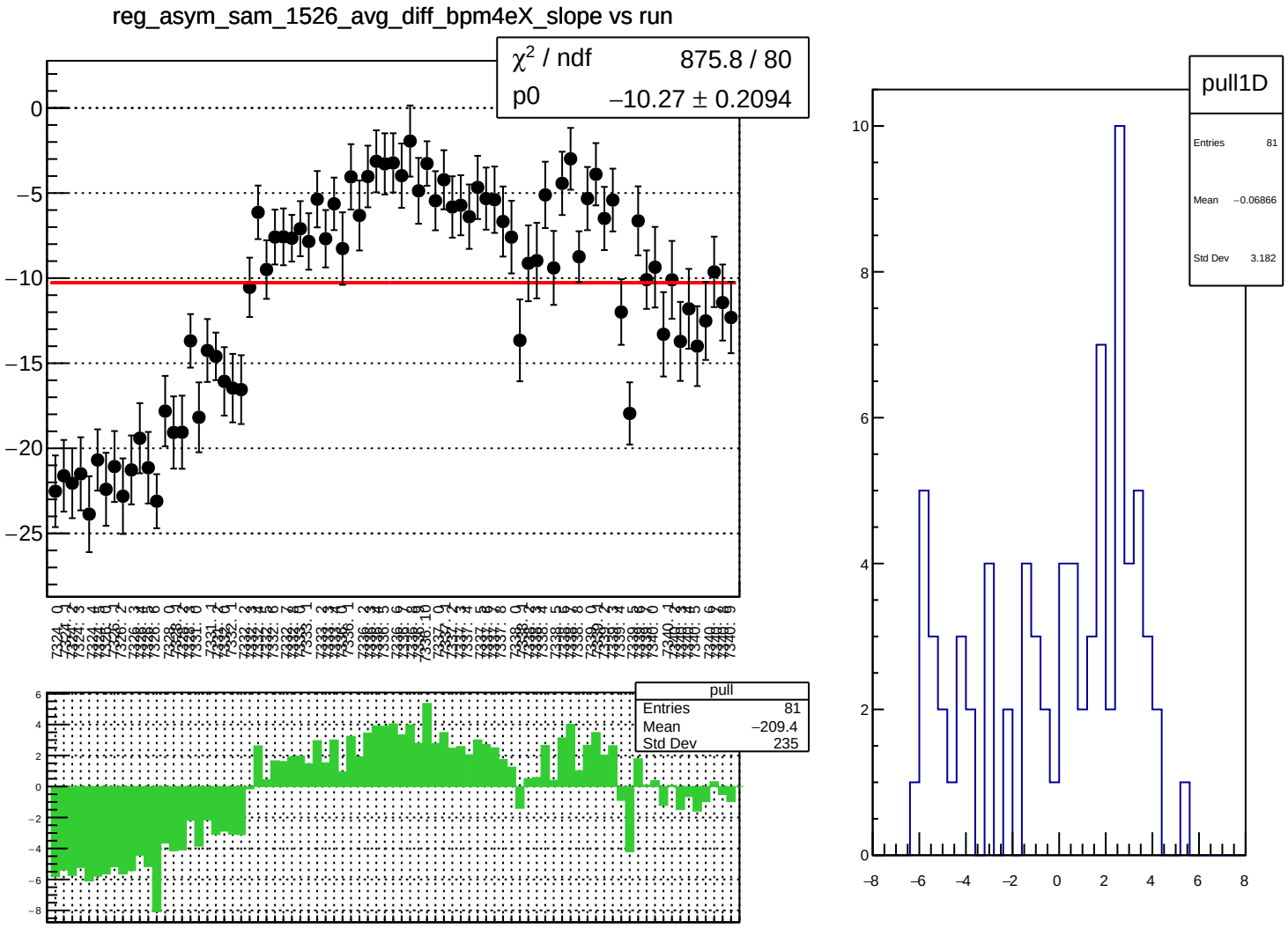

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 82.45 / 80
p0 −0.3748 ± 0.03222
pull
Entries 81
Mean 252.8
Std Dev 213.4
pull1D
Entries 81
Mean −0.1018
Std Dev 1.004

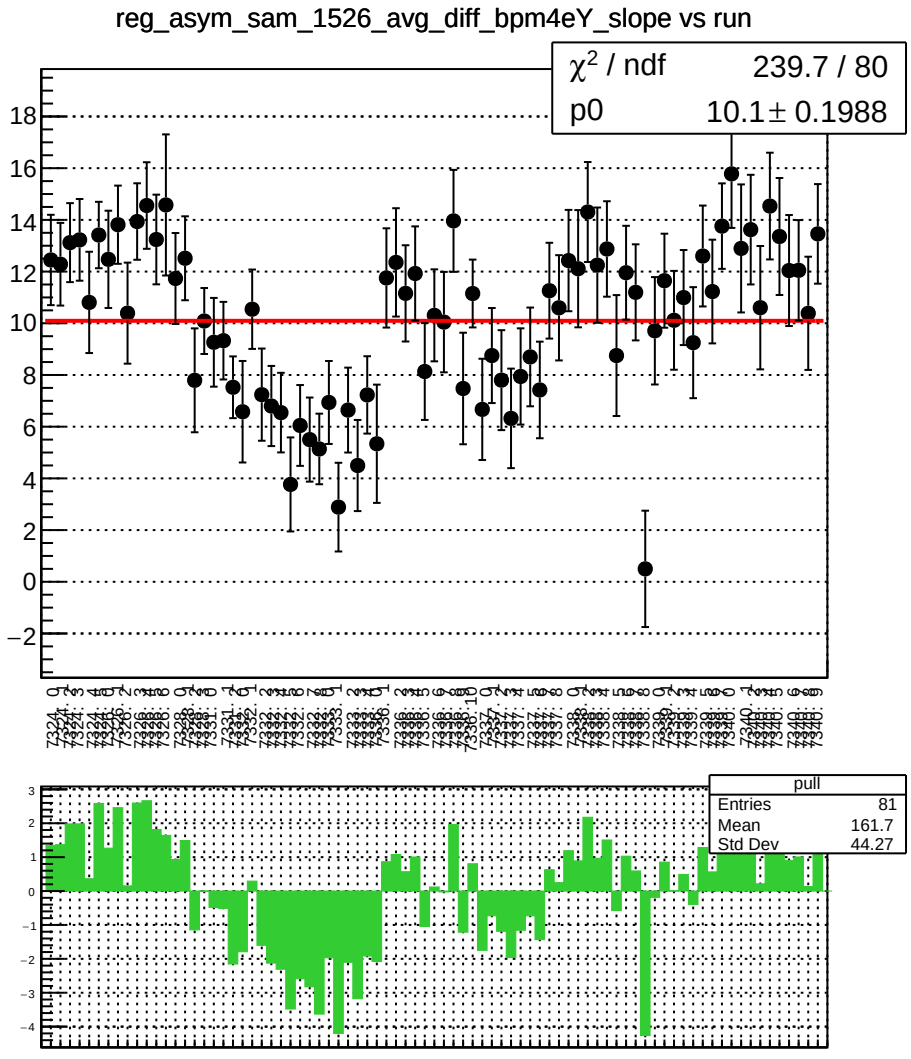

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1254 / 80
p0 −15.31 ± 0.2109
pull
Entries 81
Mean −483.5
Std Dev 513.9

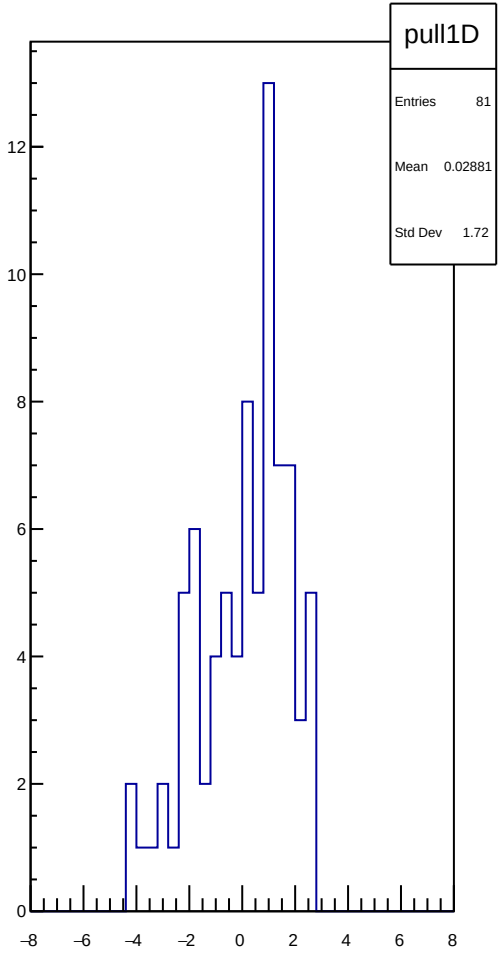

pull1D
Entries 81
Mean −0.009315
Std Dev 3.787

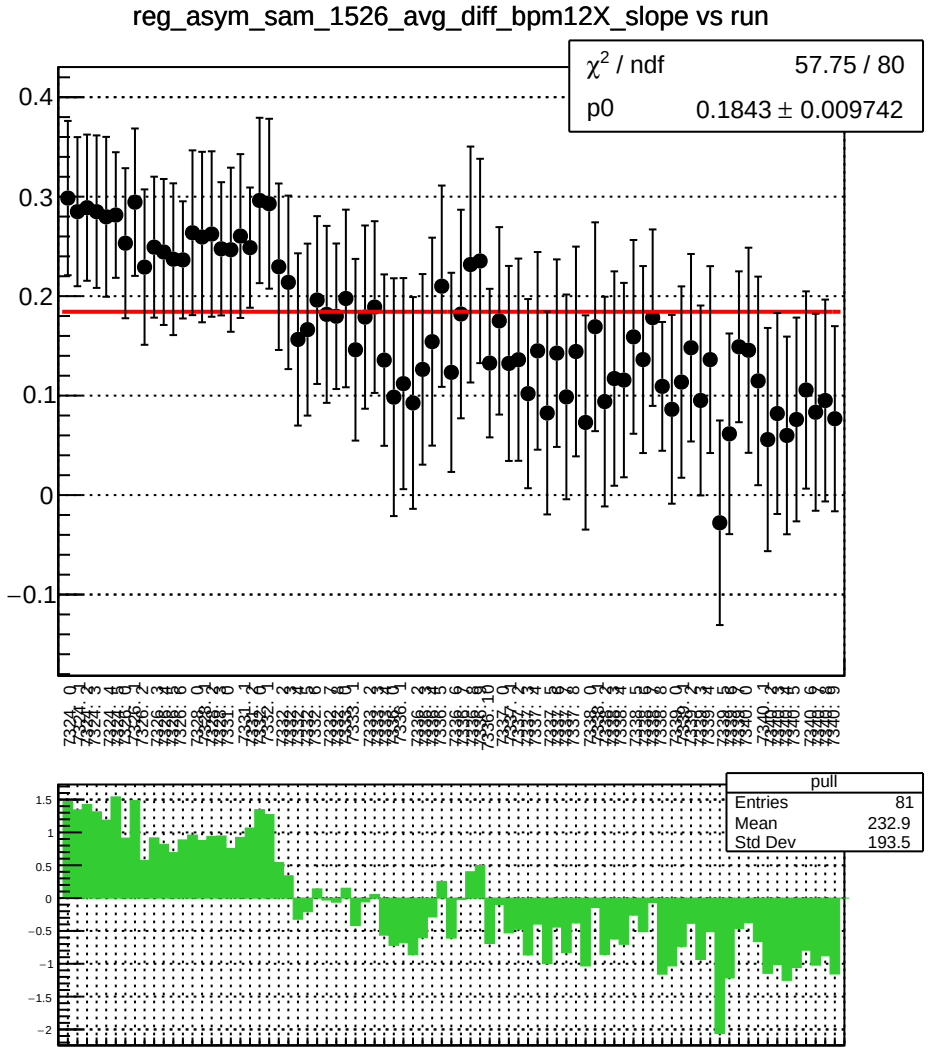

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 345.9 / 80
p0 7.292 ± 0.189
pull
Entries 81
Mean 239.4
Std Dev 207.8

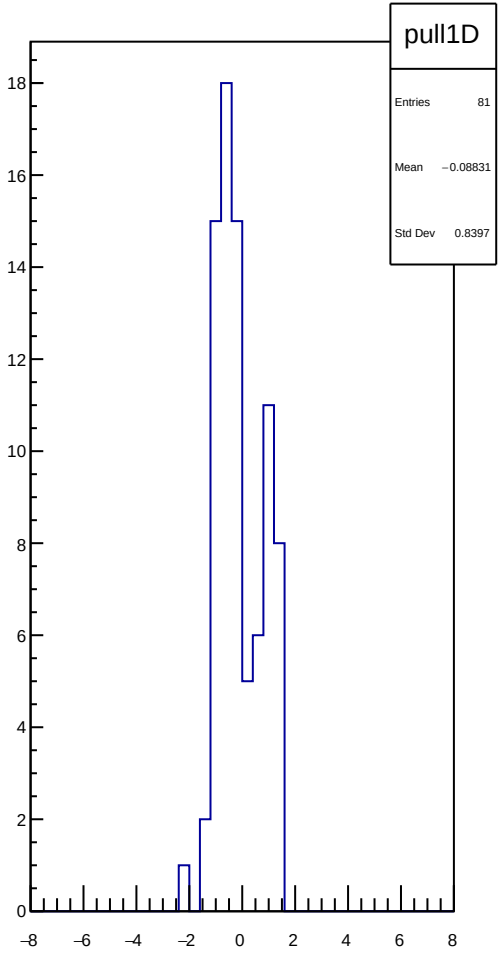

pull1D
Entries 81
Mean 0.1468
Std Dev 2.061

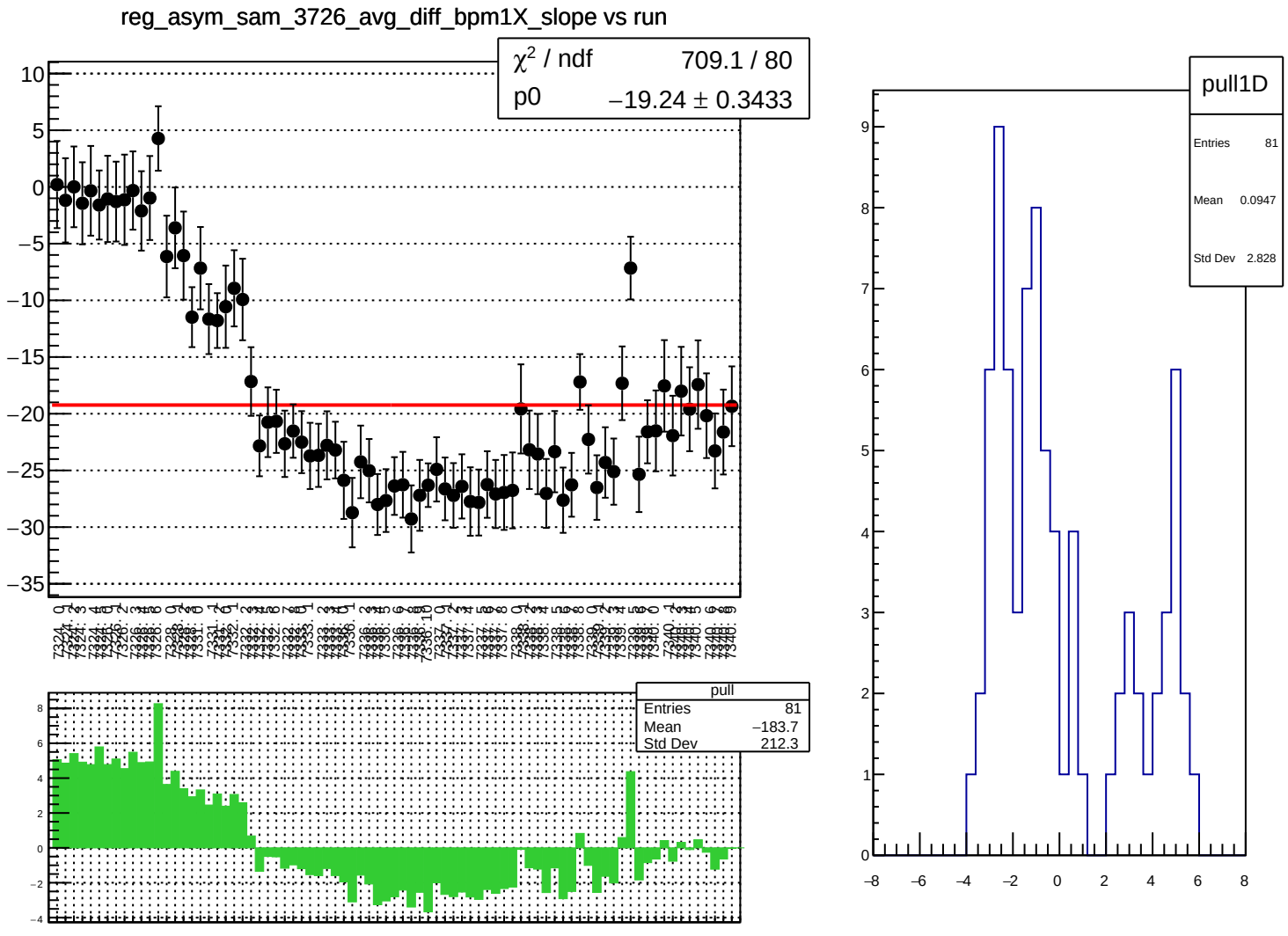

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 875.8 / 80
p0 −10.27 ± 0.2094
pull
Entries 81
Mean −209.4
Std Dev 235
pull1D
Entries 81
Mean −0.06866
Std Dev 3.182

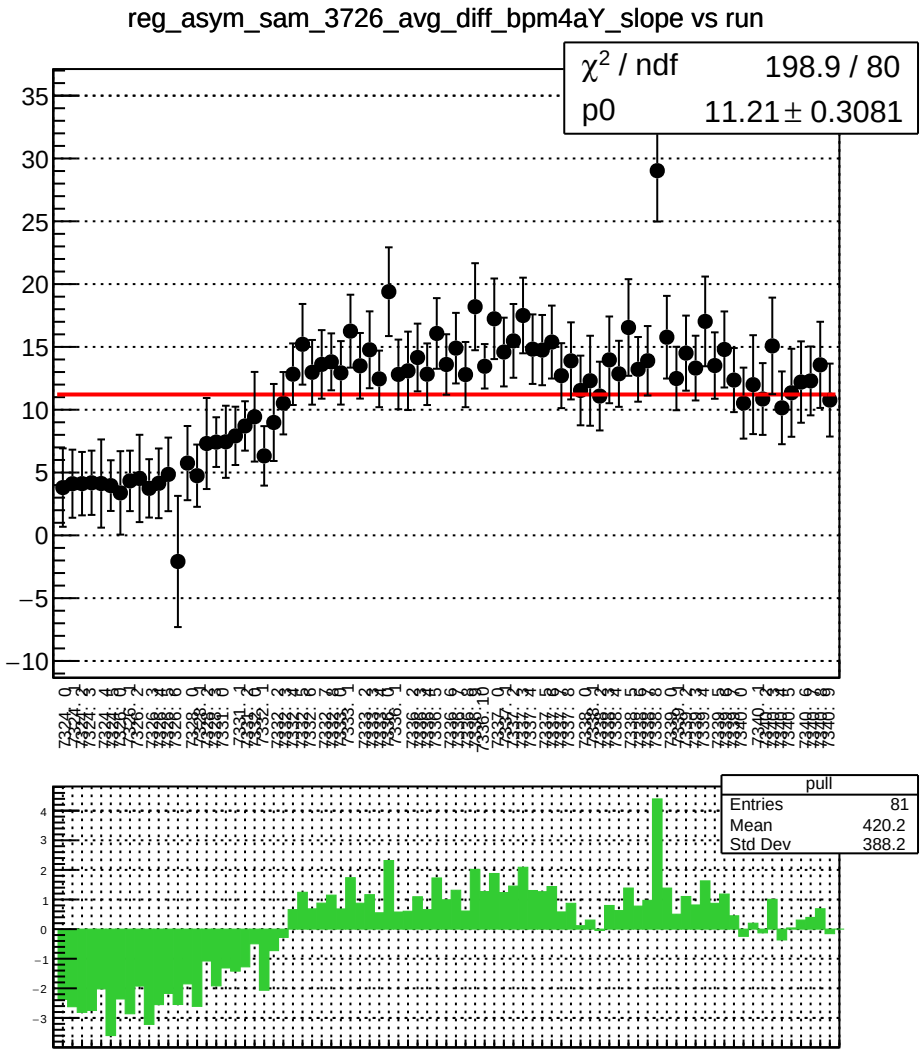

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 239.7 / 80
p0 10.1 ± 0.1988
pull
Entries 81
Mean 161.7
Std Dev 44.27

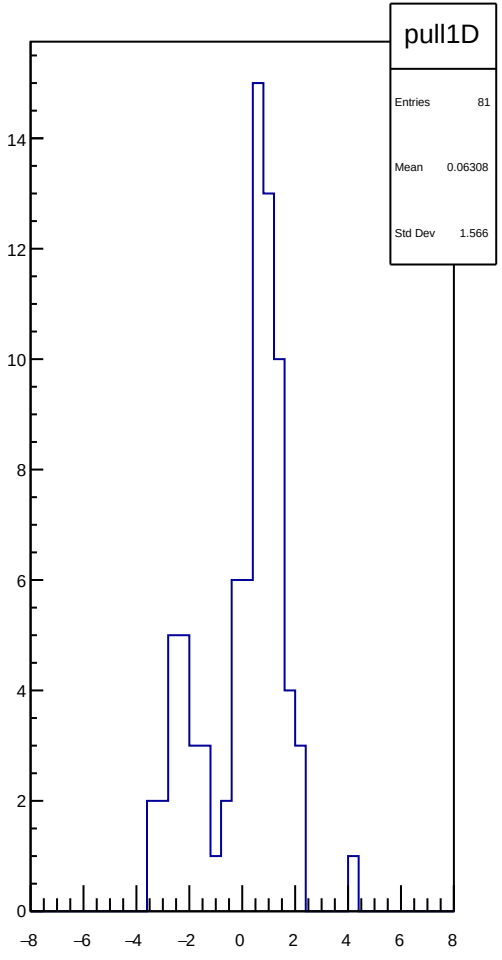

pull1D
Entries 81
Mean 0.02881
Std Dev 1.72

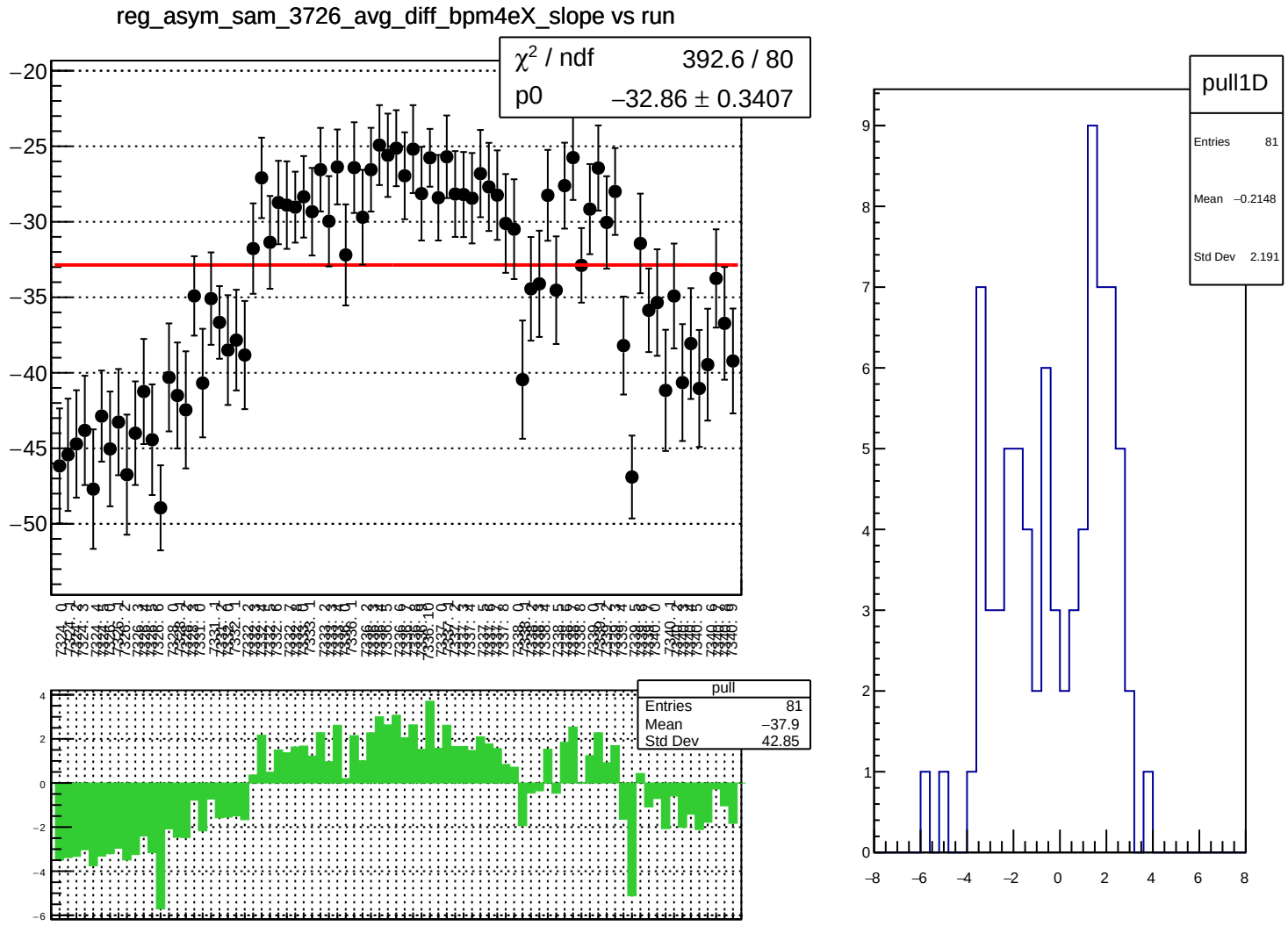

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 57.75 / 80
p0 0.1843 ± 0.009742
pull
Entries 81
Mean 232.9
Std Dev 193.5

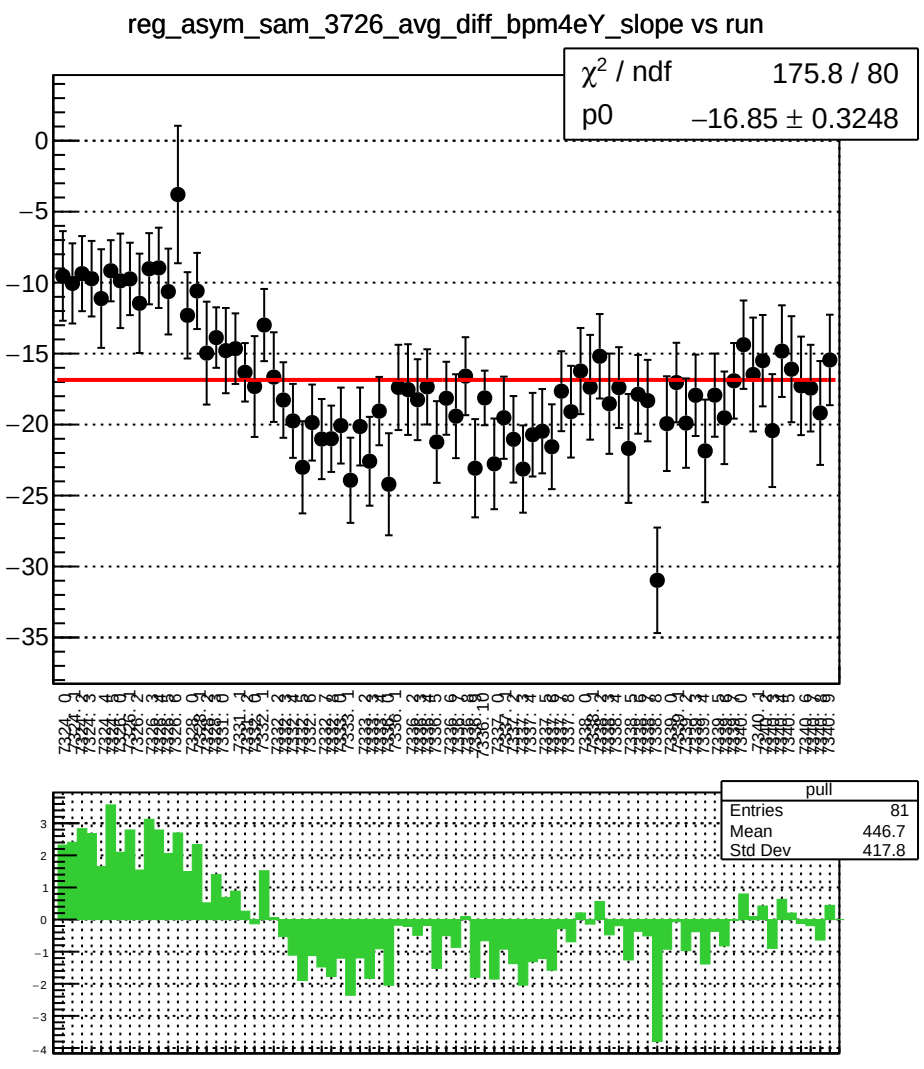

pull1D
Entries 81
Mean −0.08831
Std Dev 0.8397

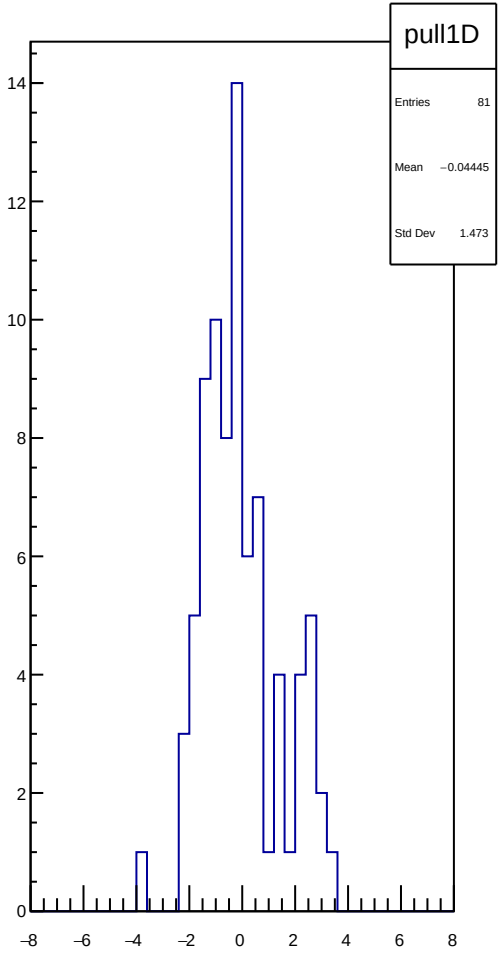

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 709.1 / 80
p0 −19.24 ± 0.3433
pull
Entries 81
Mean −183.7
Std Dev 212.3
pull1D
Entries 81
Mean 0.0947
Std Dev 2.828

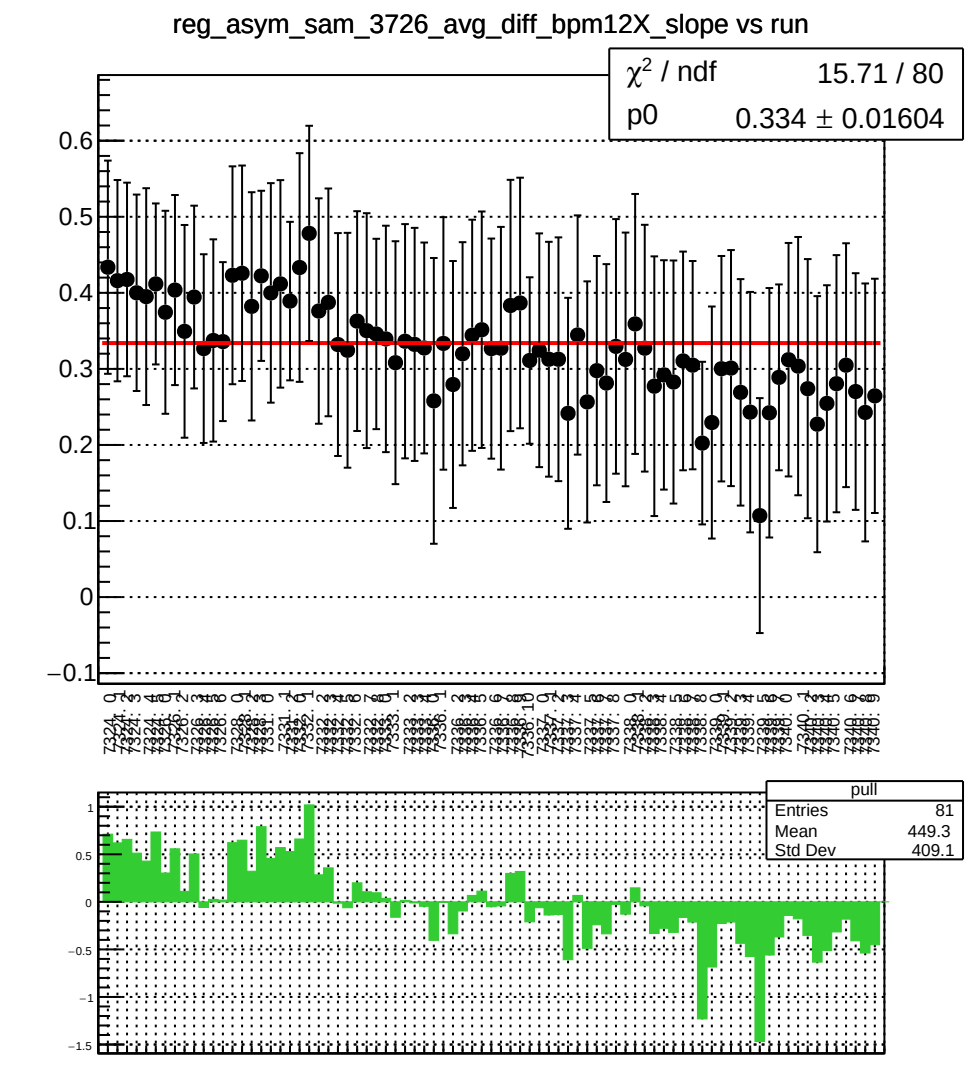

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 198.9 / 80
p0 11.21 ± 0.3081
pull
Entries 81
Mean 420.2
Std Dev 388.2

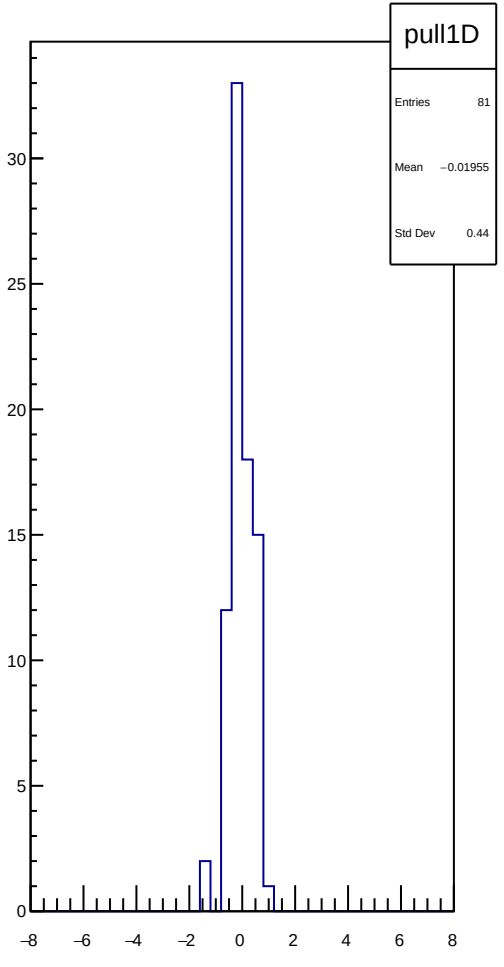

pull1D
Entries 81
Mean 0.06308
Std Dev 1.566

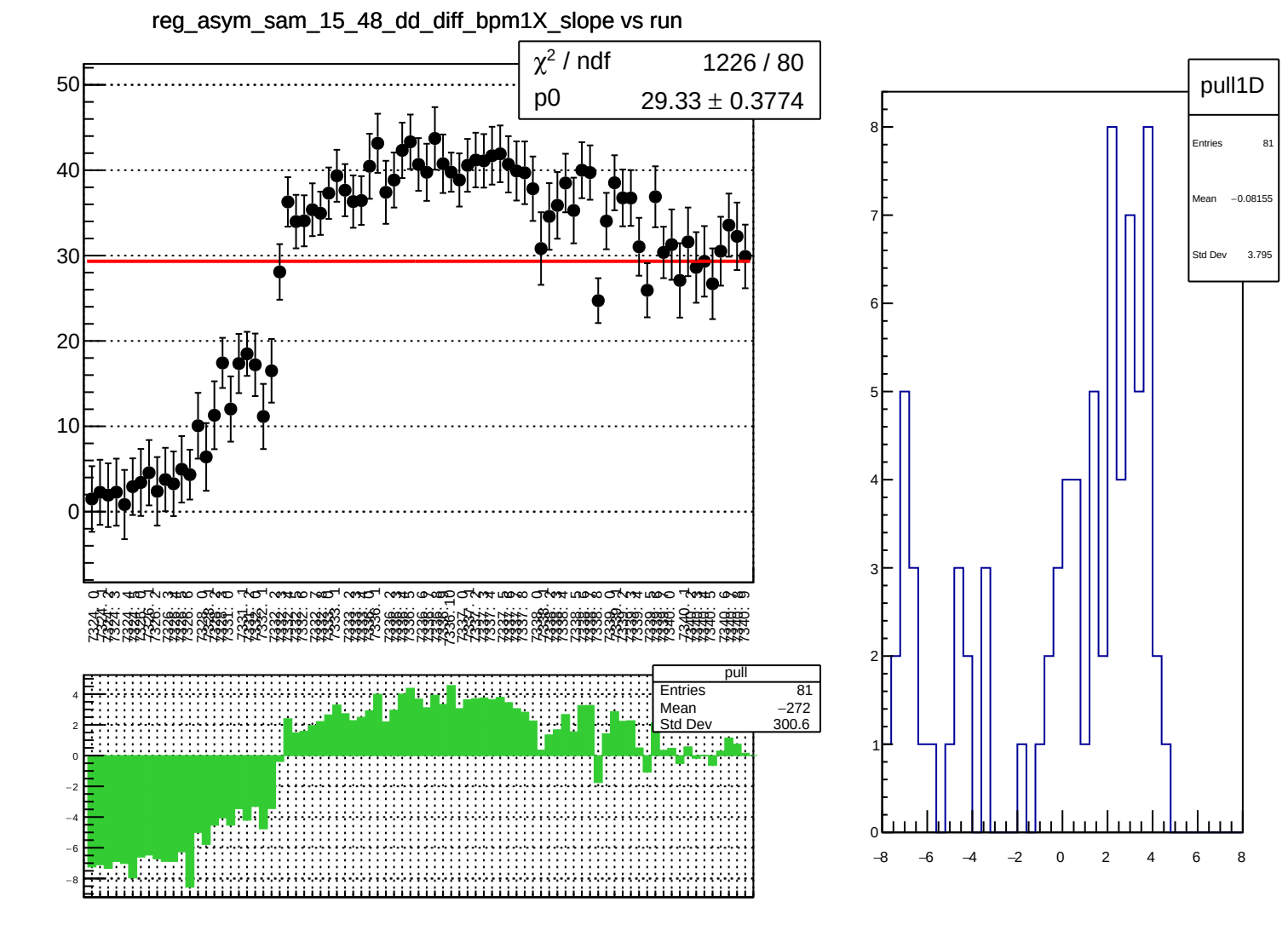

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 392.6 / 80
p0 −32.86 ± 0.3407
pull
Entries 81
Mean −37.9
Std Dev 42.85
pull1D
Entries 81
Mean −0.2148
Std Dev 2.191

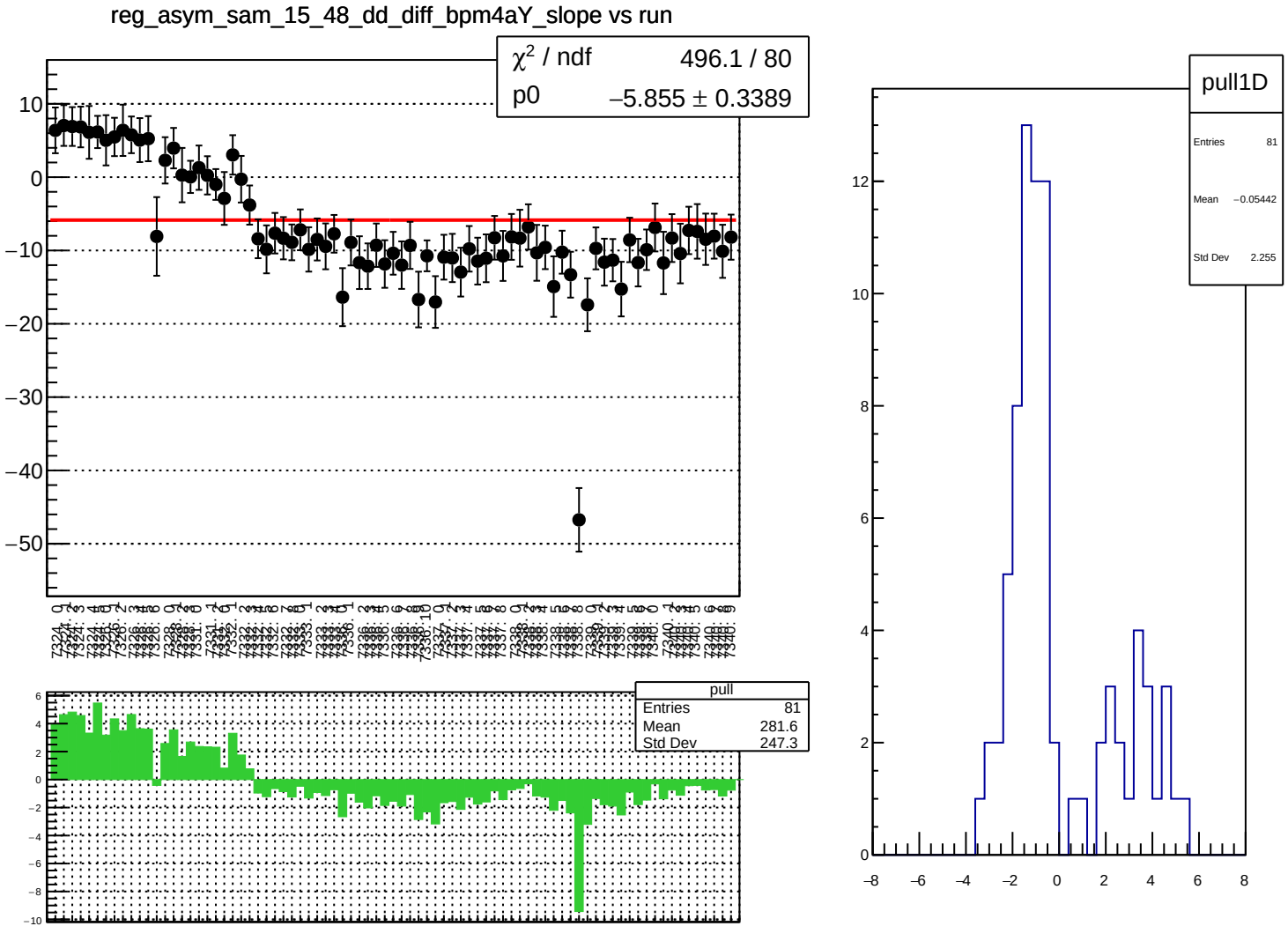

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 175.8 / 80
p0 −16.85 ± 0.3248
pull
Entries 81
Mean 446.7
Std Dev 417.8

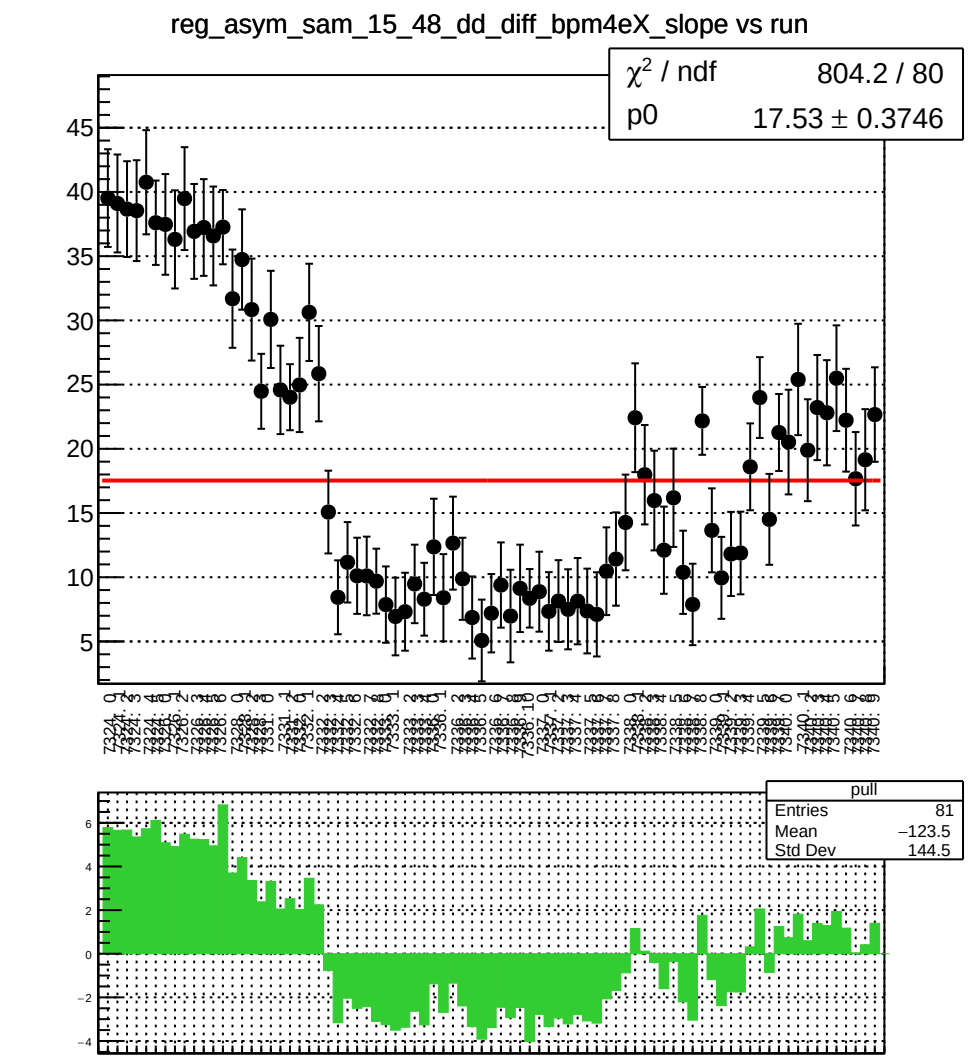

pull1D
Entries 81
Mean −0.04445
Std Dev 1.473

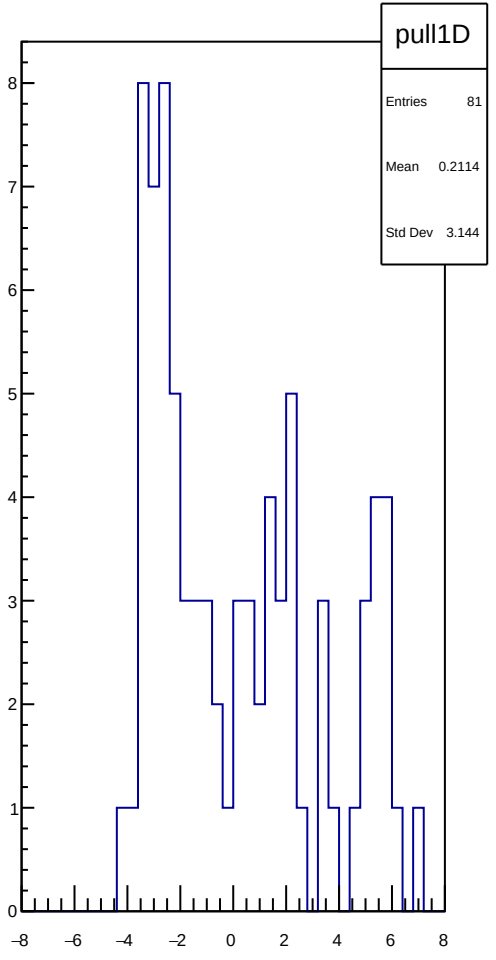

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 15.71 / 80
p0 0.334 ± 0.01604
pull
Entries 81
Mean 449.3
Std Dev 409.1

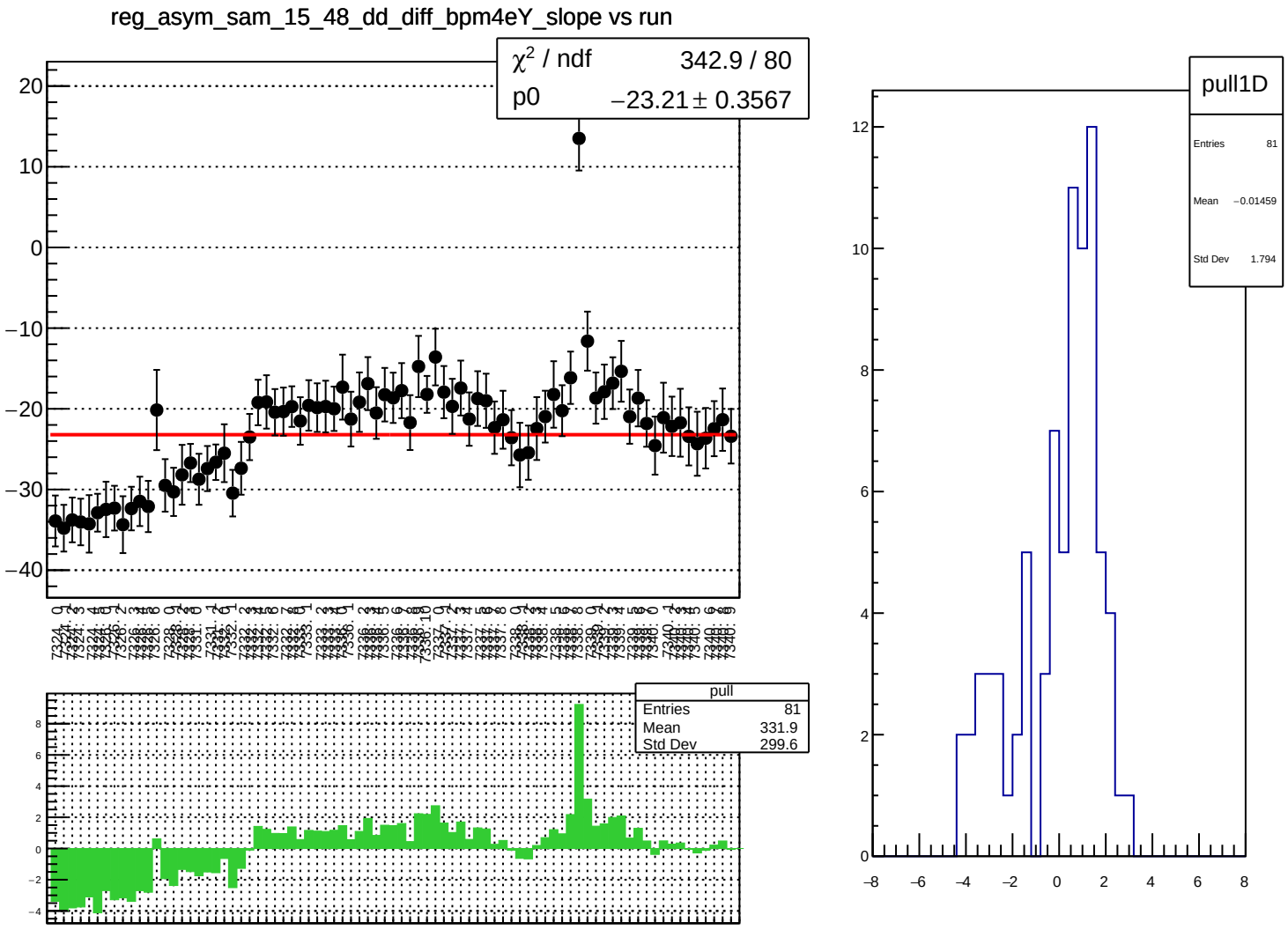

pull1D
Entries 81
Mean −0.01955
Std Dev 0.44

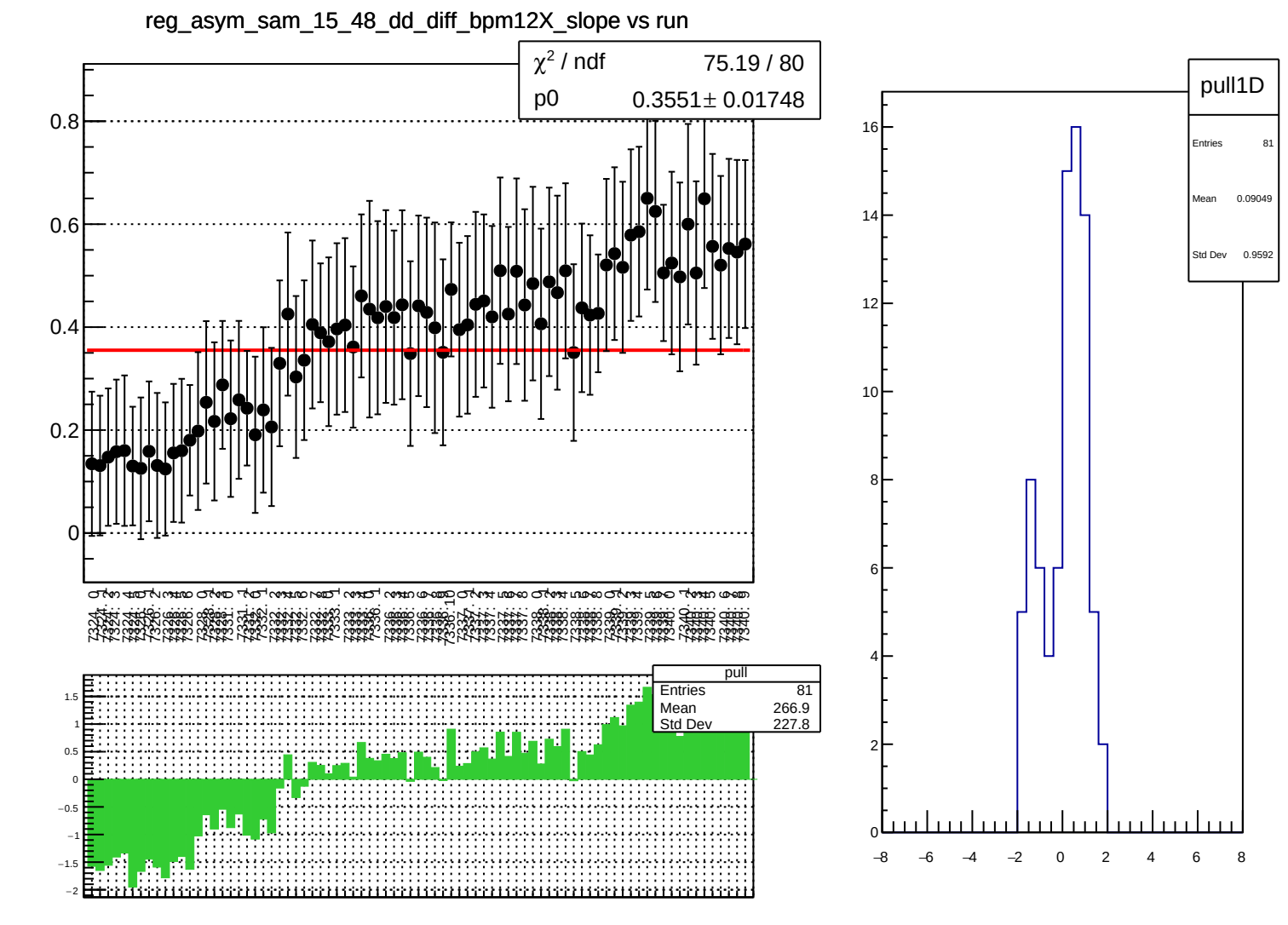

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1226 / 80
p0 29.33 ± 0.3774
pull
Entries 81
Mean −272
Std Dev 300.6
pull1D
Entries 81
Mean −0.08155
Std Dev 3.795

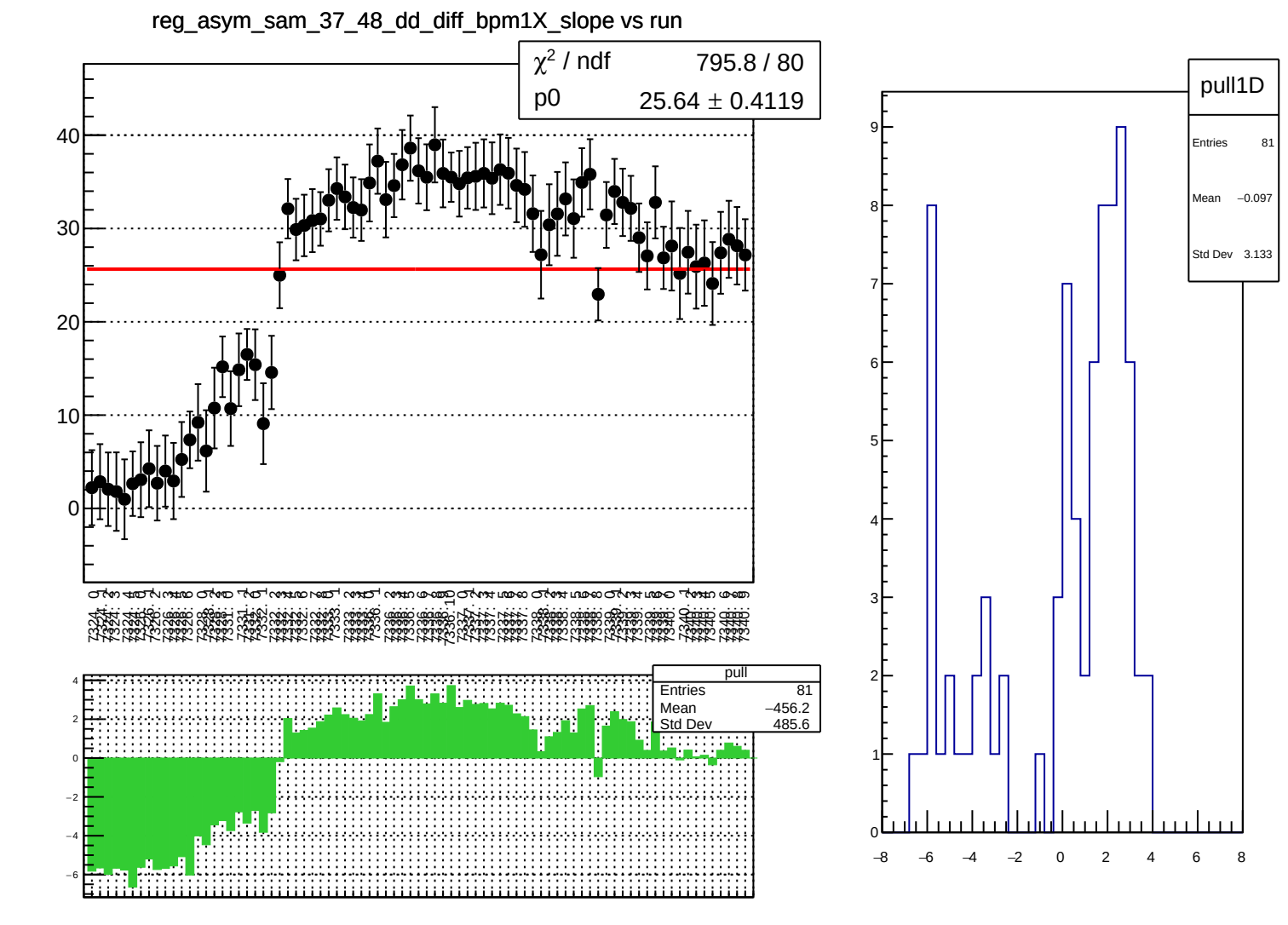

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 496.1 / 80
p0 −5.855 ± 0.3389
pull
Entries 81
Mean 281.6
Std Dev 247.3
pull1D
Entries 81
Mean −0.05442
Std Dev 2.255

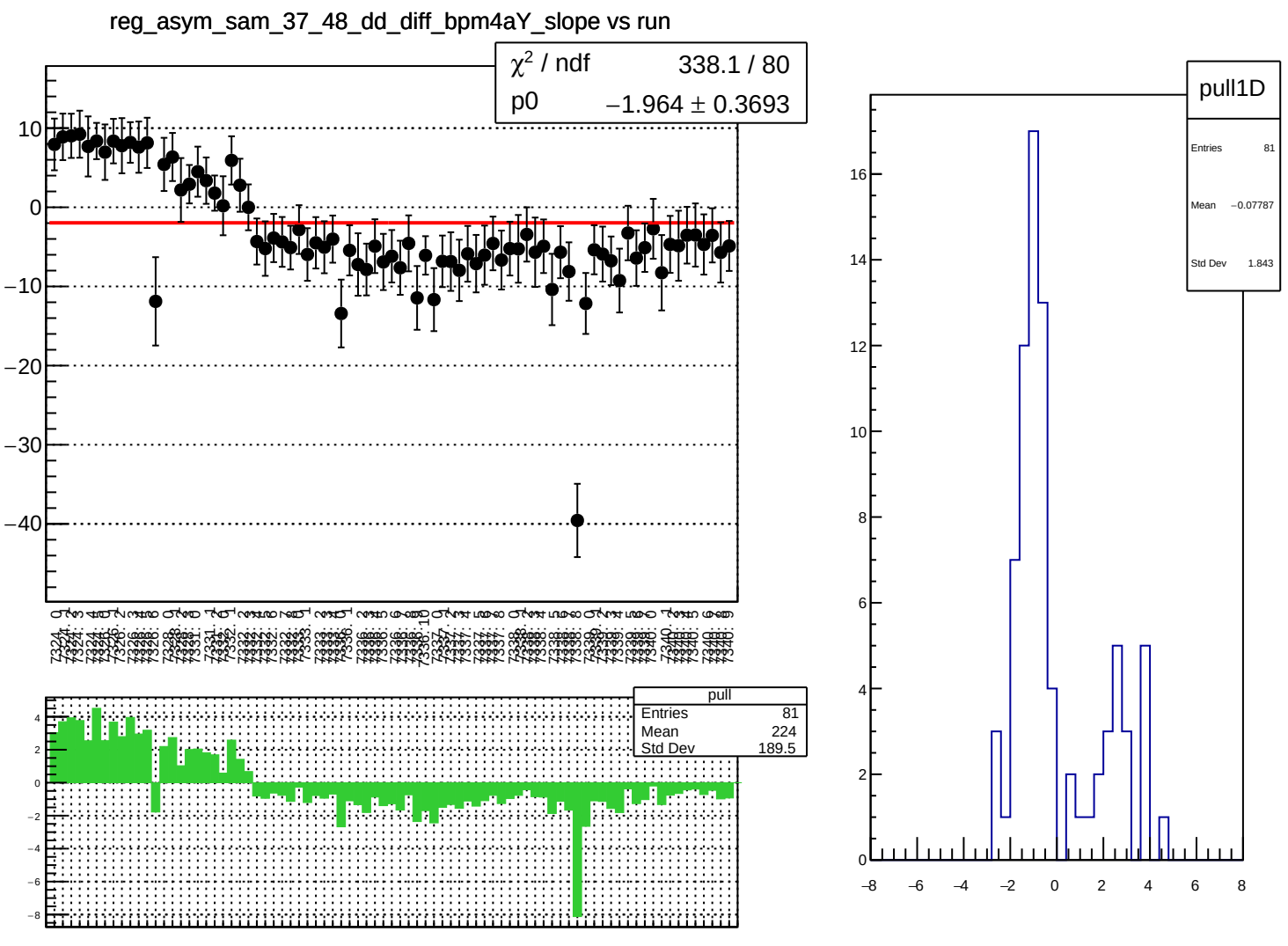

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 804.2 / 80
p0 17.53 ± 0.3746
pull
Entries 81
Mean −123.5
Std Dev 144.5

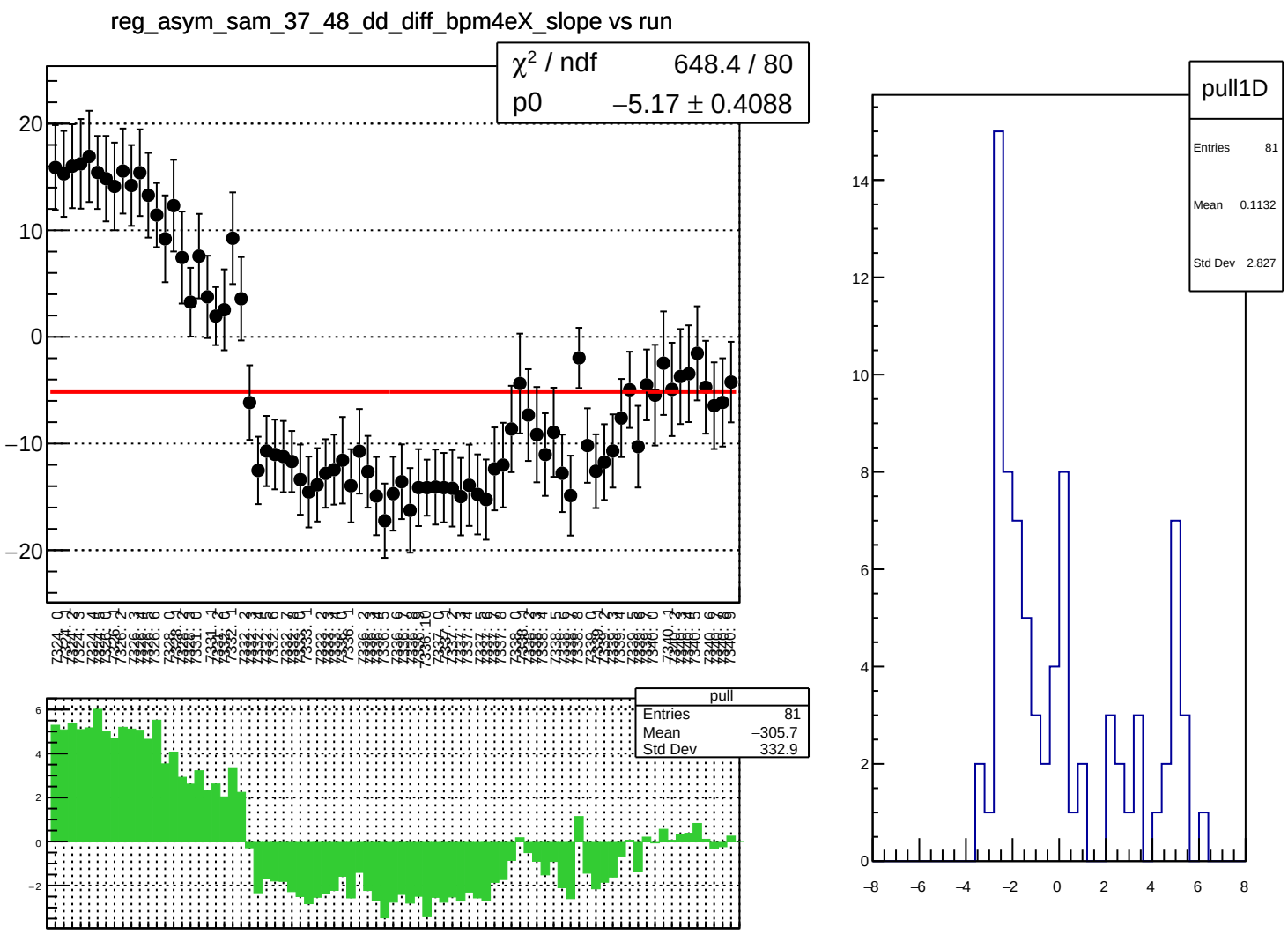

pull1D
Entries 81
Mean 0.2114
Std Dev 3.144

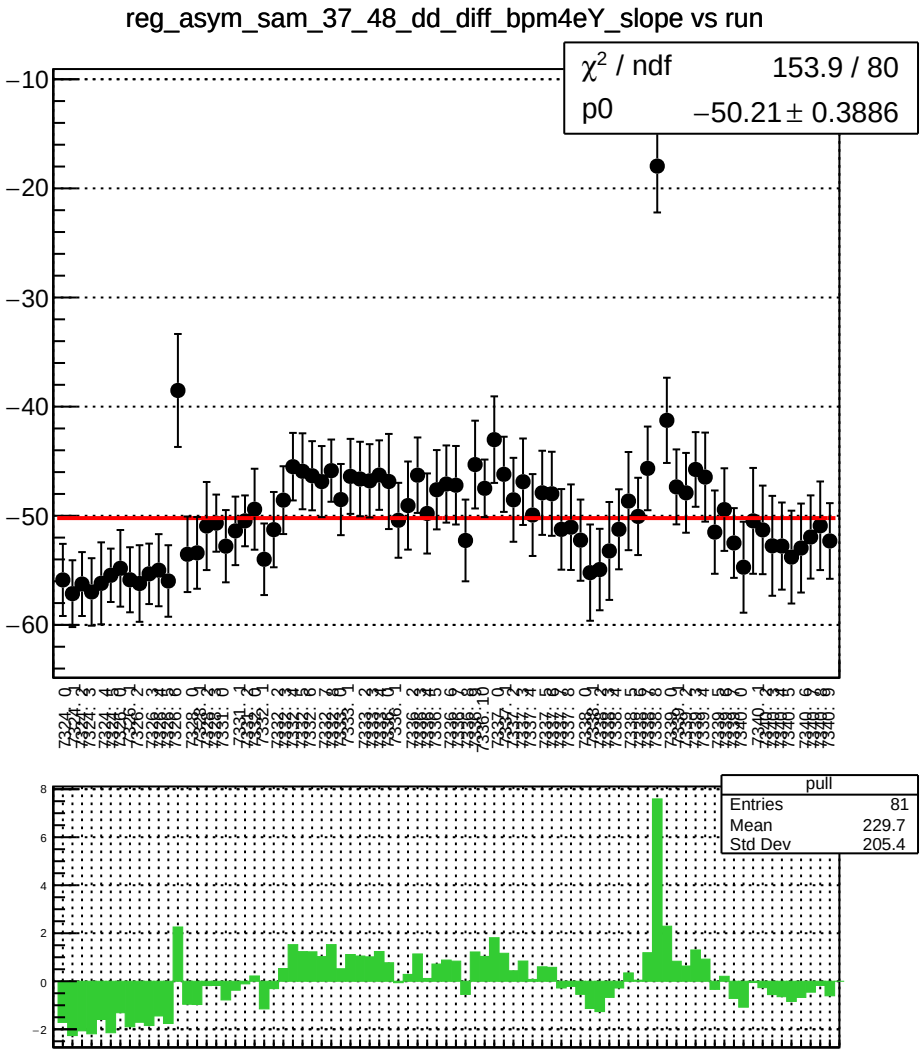

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 342.9 / 80
p0 −23.21 ± 0.3567
pull
Entries 81
Mean 331.9
Std Dev 299.6
pull1D
Entries 81
Mean −0.01459
Std Dev 1.794

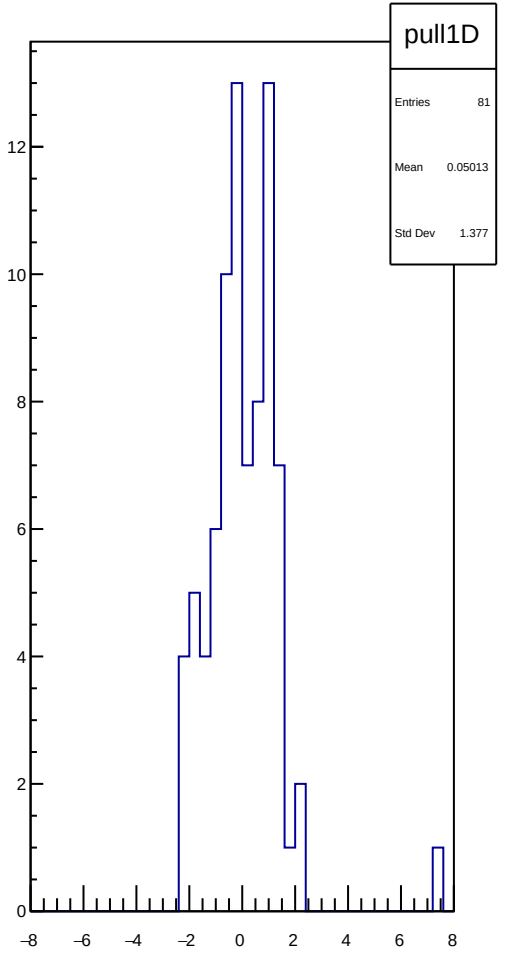

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 75.19 / 80
p0 0.3551± 0.01748
pull
Entries 81
Mean 266.9
Std Dev 227.8
pull1D
Entries 81
Mean 0.09049
Std Dev 0.9592

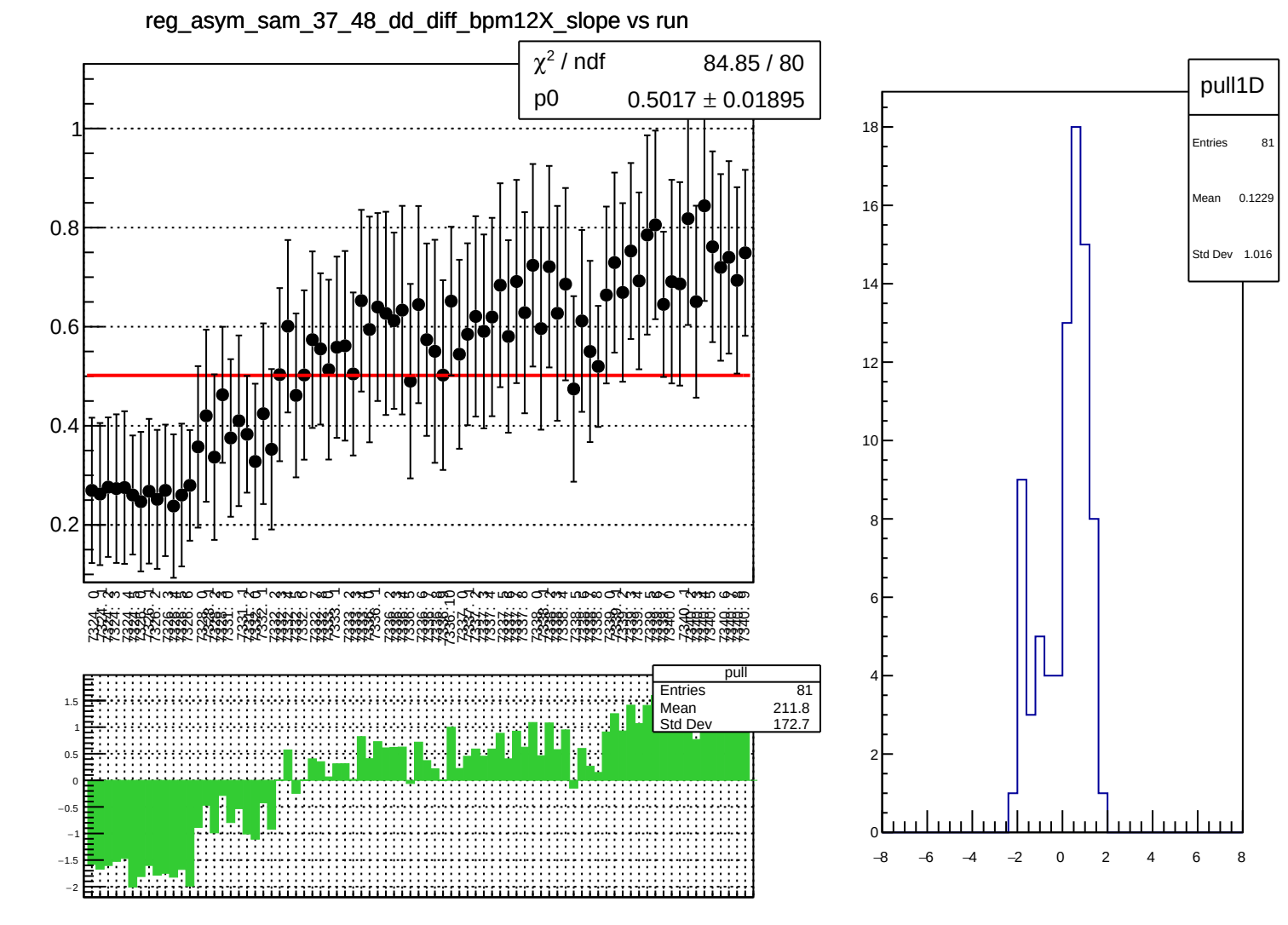

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 795.8 / 80
p0 25.64 ± 0.4119
pull
Entries 81
Mean −456.2
Std Dev 485.6
pull1D
Entries 81
Mean −0.097
Std Dev 3.133

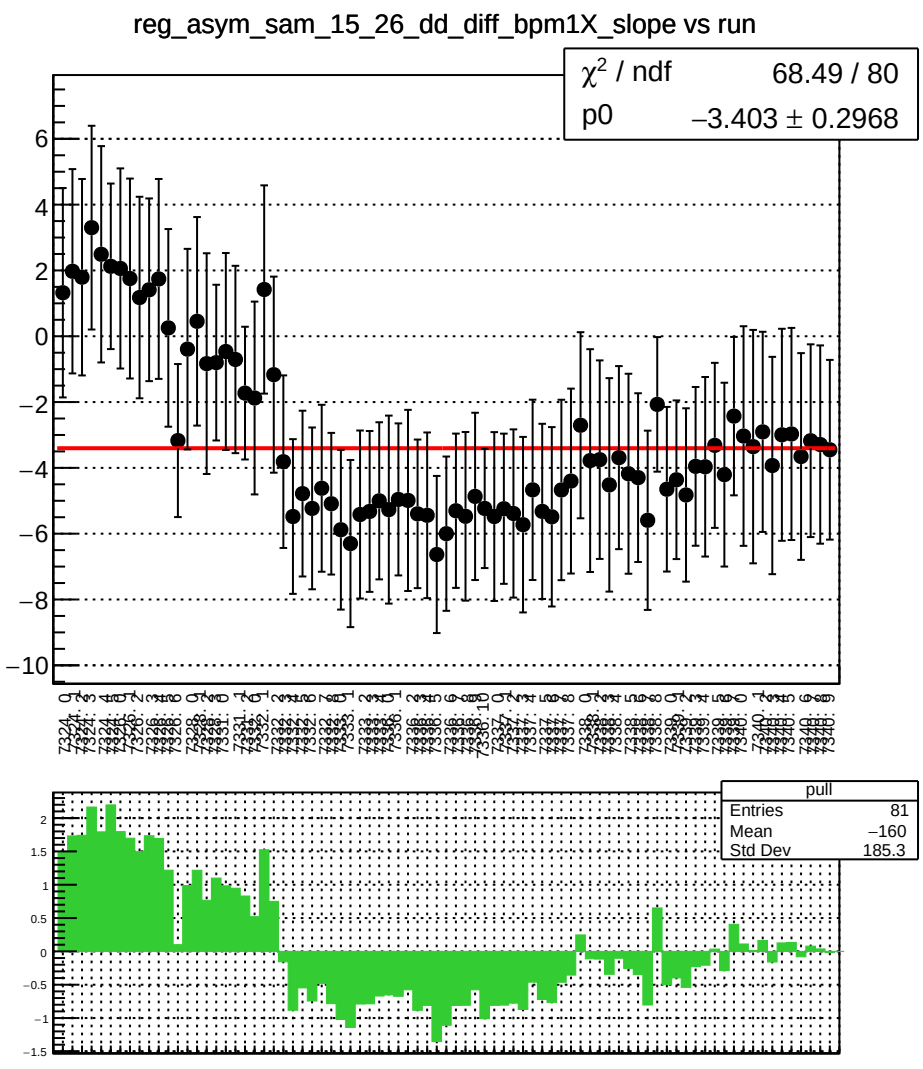

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 338.1 / 80
p0 −1.964 ± 0.3693
pull
Entries 81
Mean 224
Std Dev 189.5
pull1D
Entries 81
Mean −0.07787
Std Dev 1.843

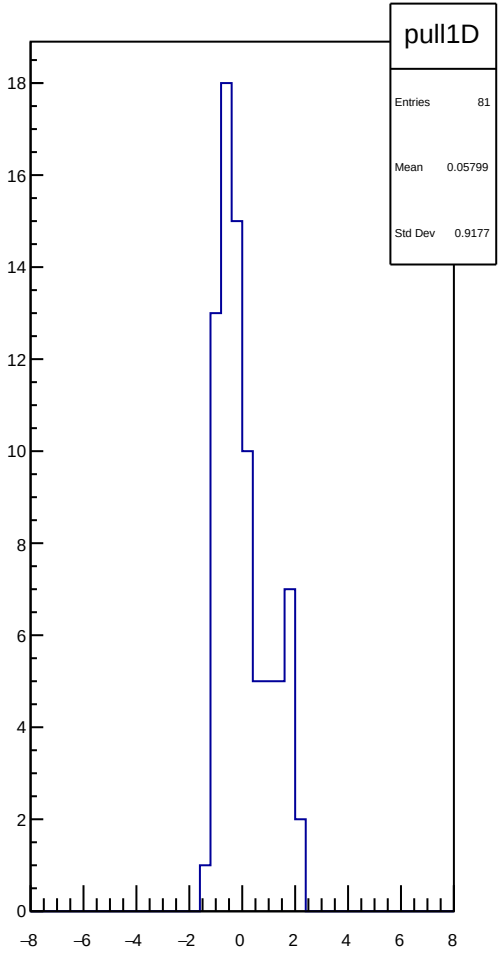

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 648.4 / 80
p0 −5.17 ± 0.4088
pull
Entries 81
Mean −305.7
Std Dev 332.9
pull1D
Entries 81
Mean 0.1132
Std Dev 2.827

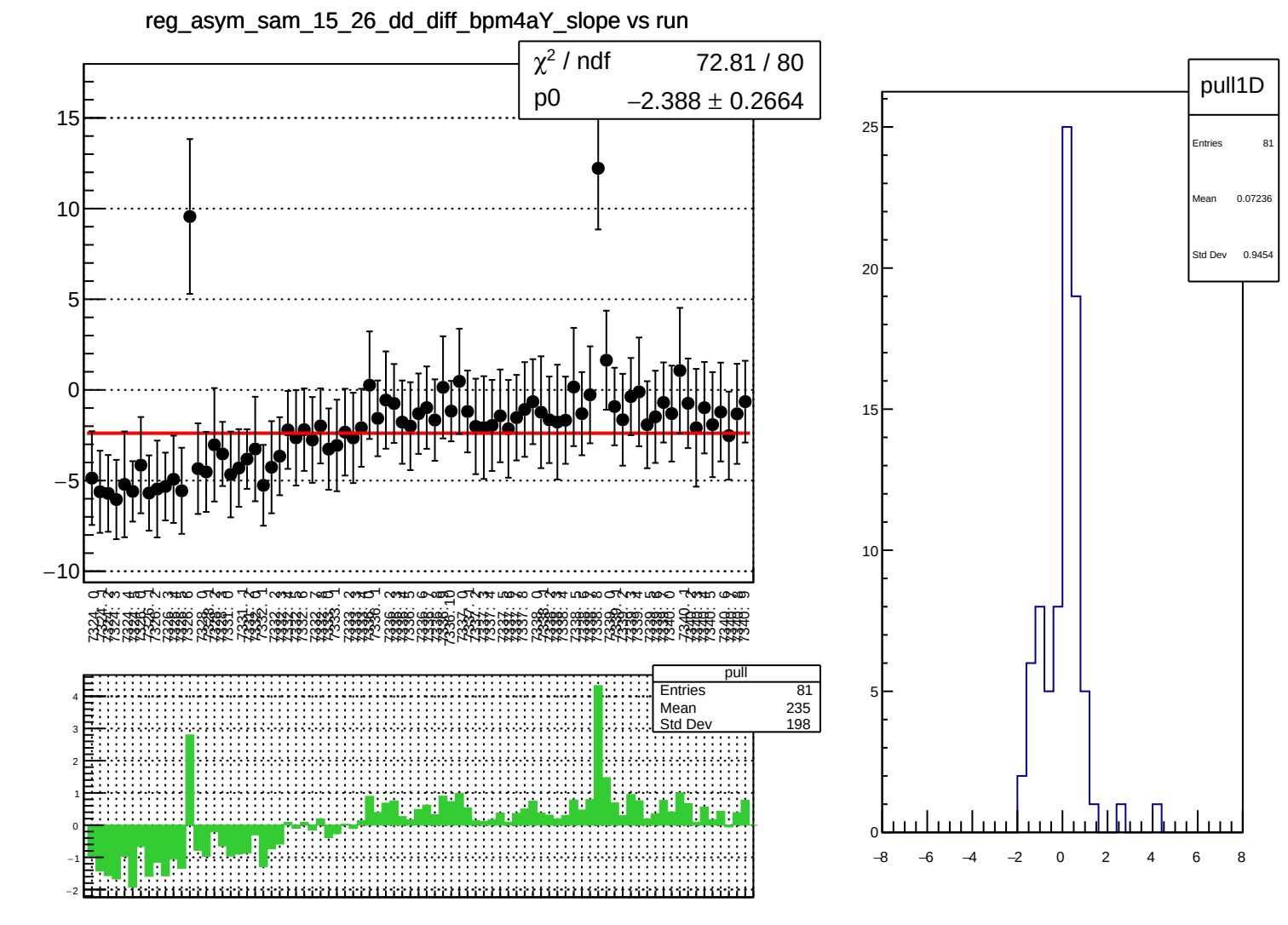

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 153.9 / 80
p0 −50.21 ± 0.3886
pull
Entries 81
Mean 229.7
Std Dev 205.4

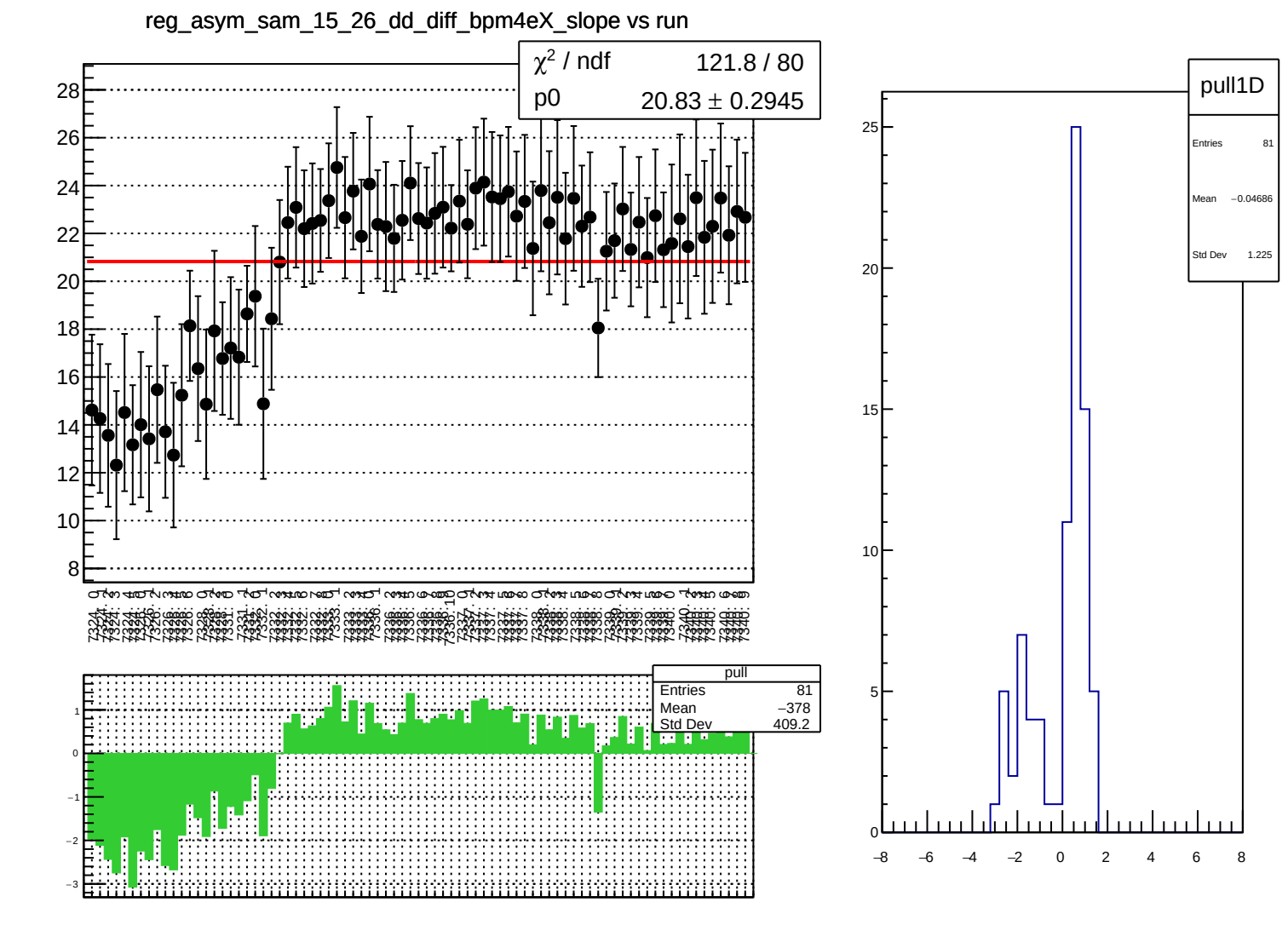

pull1D
Entries 81
Mean 0.05013
Std Dev 1.377

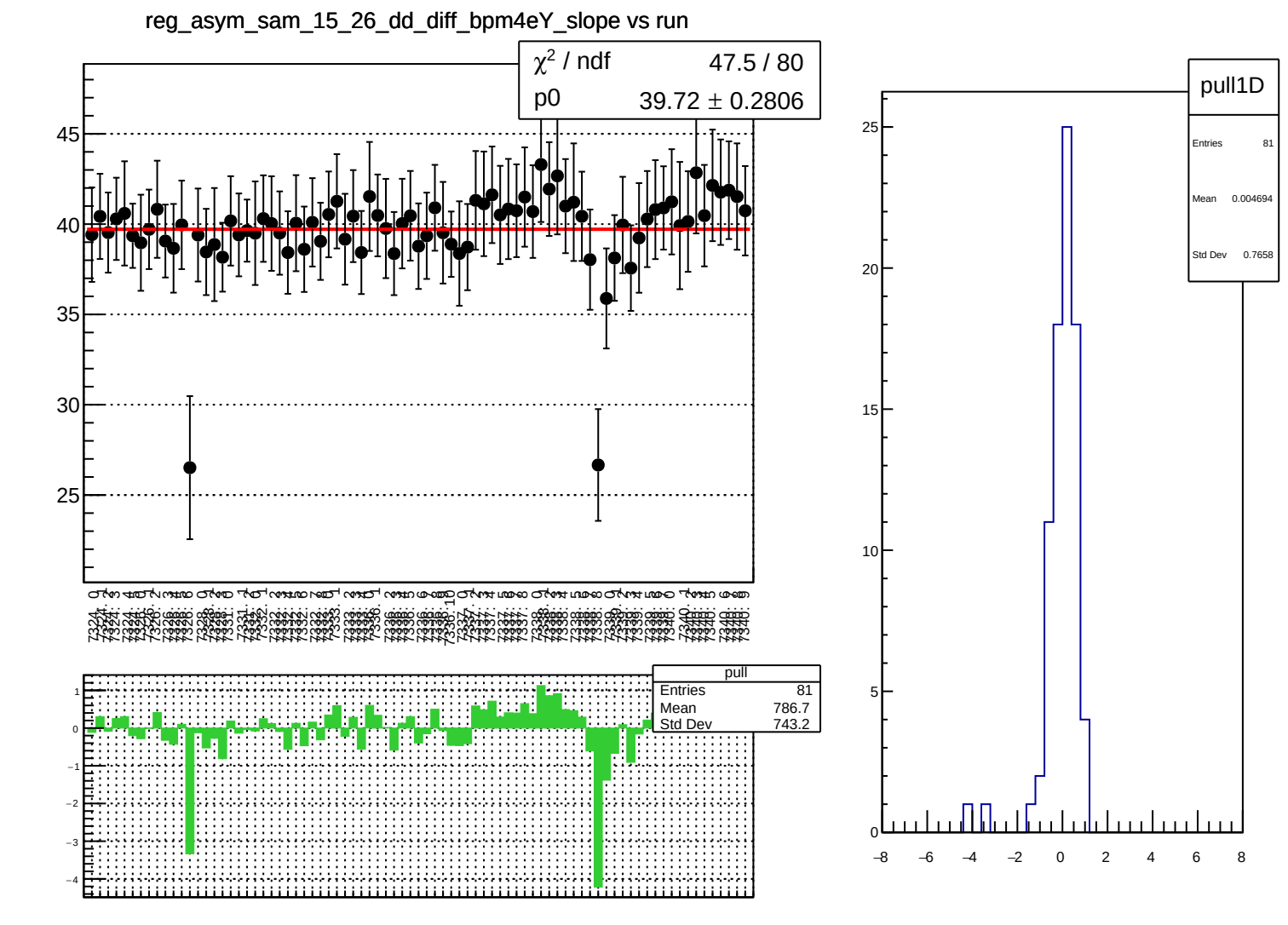

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 84.85 / 80
p0 0.5017 ± 0.01895
pull
Entries 81
Mean 211.8
Std Dev 172.7
pull1D
Entries 81
Mean 0.1229
Std Dev 1.016

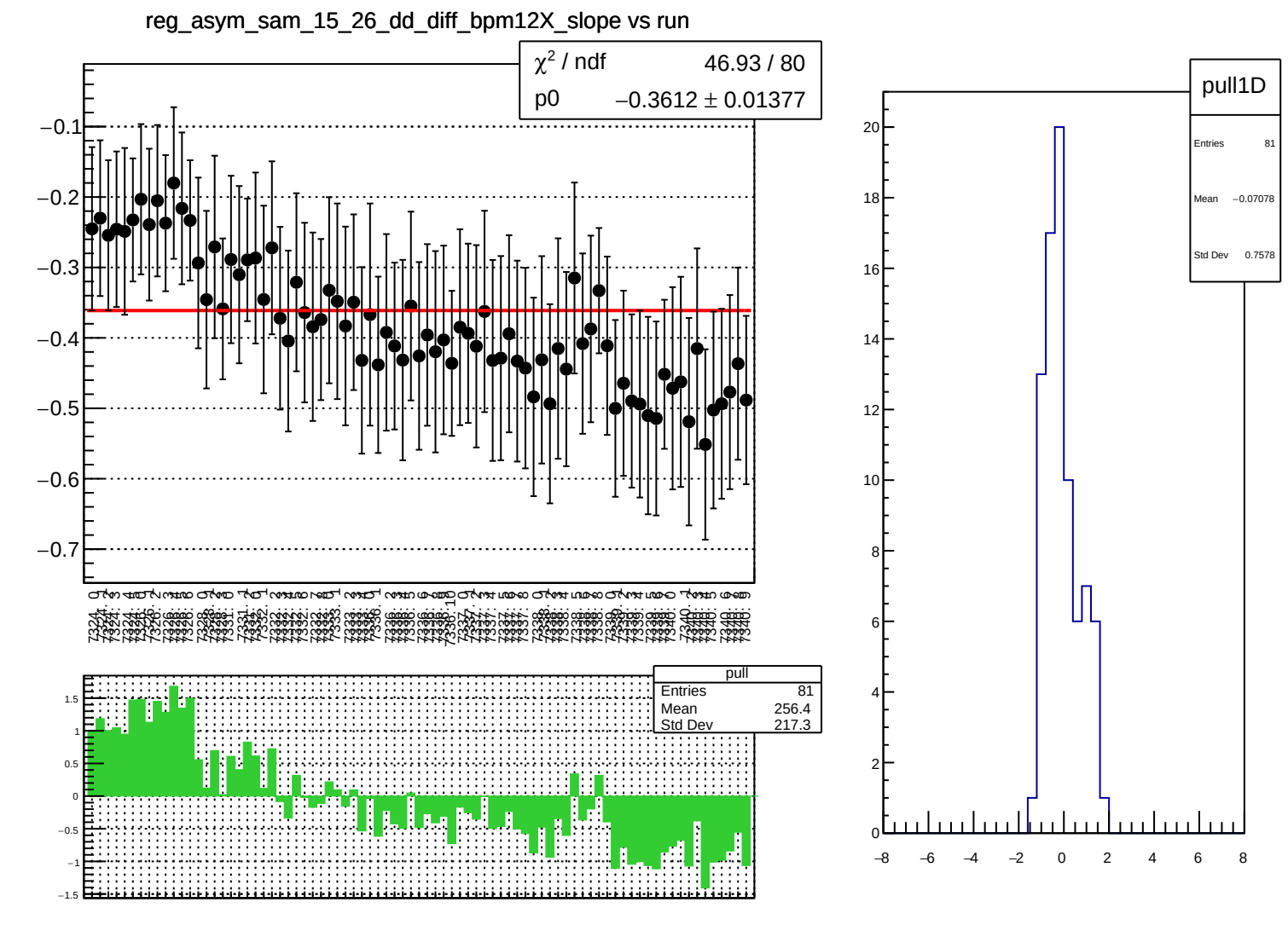

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 68.49 / 80
p0 −3.403 ± 0.2968
pull
Entries 81
Mean −160
Std Dev 185.3

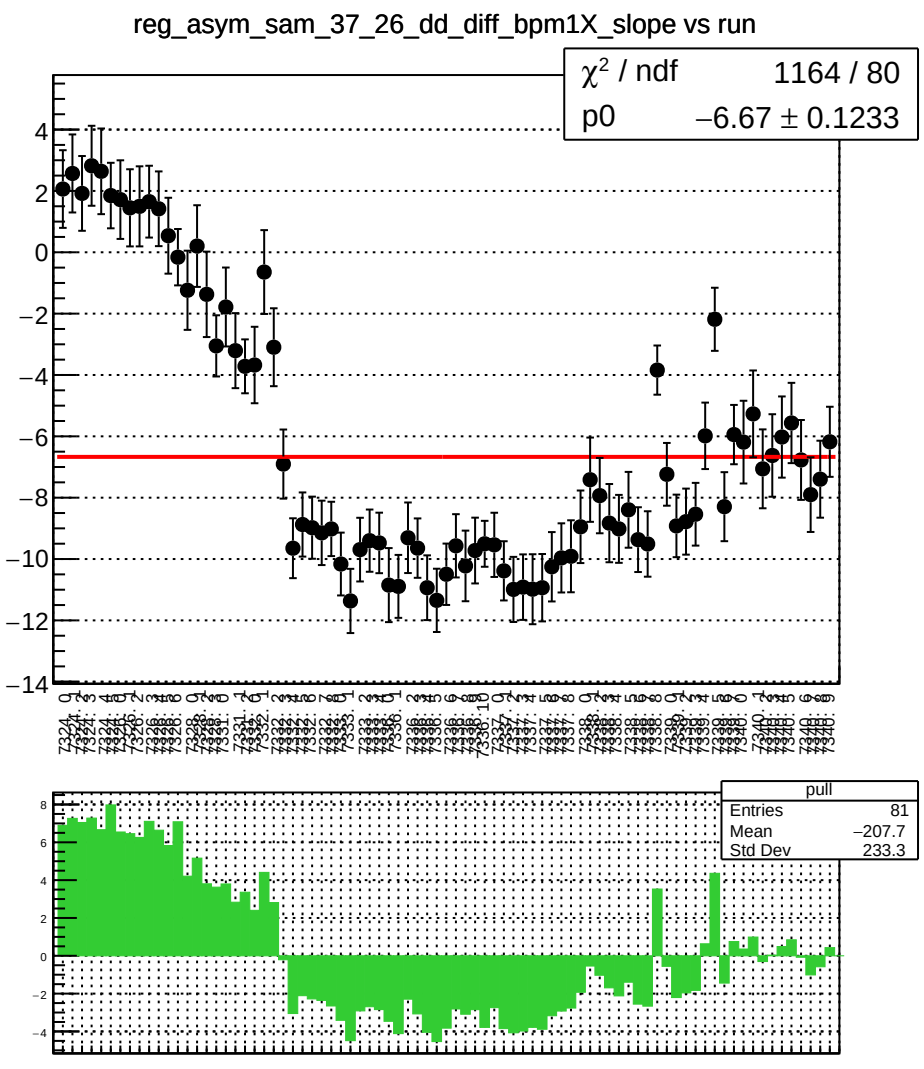

pull1D
Entries 81
Mean 0.05799
Std Dev 0.9177

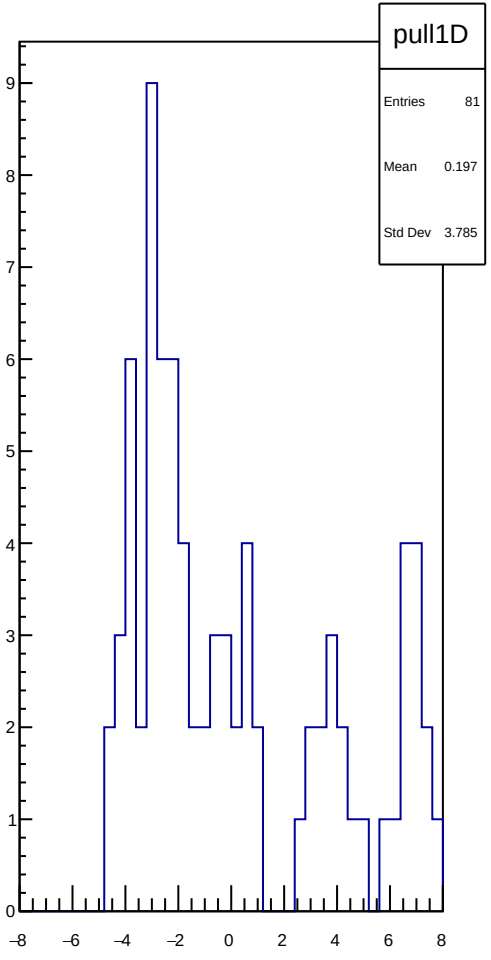

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.81 / 80
p0 −2.388 ± 0.2664
pull
Entries 81
Mean 235
Std Dev 198
pull1D
Entries 81
Mean 0.07236
Std Dev 0.9454

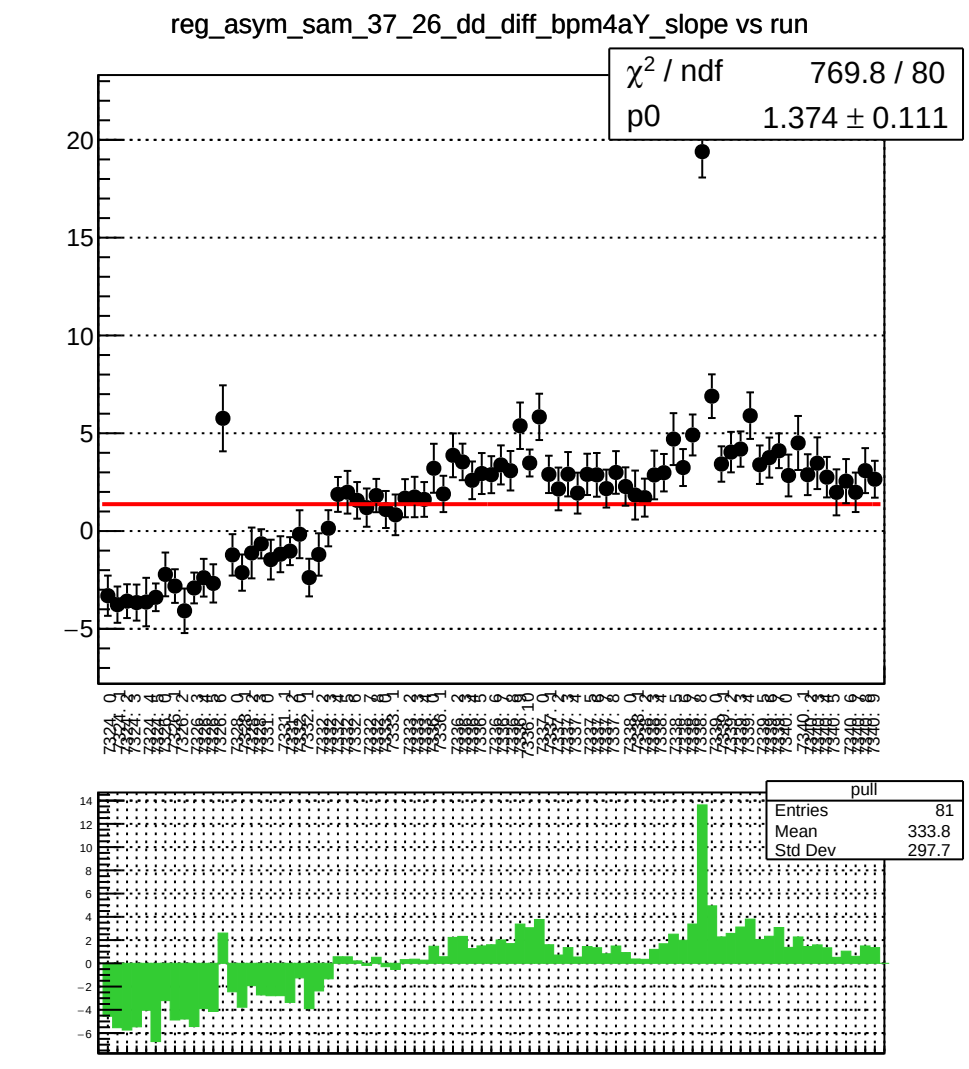

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 121.8 / 80
p0 20.83 ± 0.2945
pull
Entries 81
Mean −378
Std Dev 409.2
pull1D
Entries 81
Mean −0.04686
Std Dev 1.225

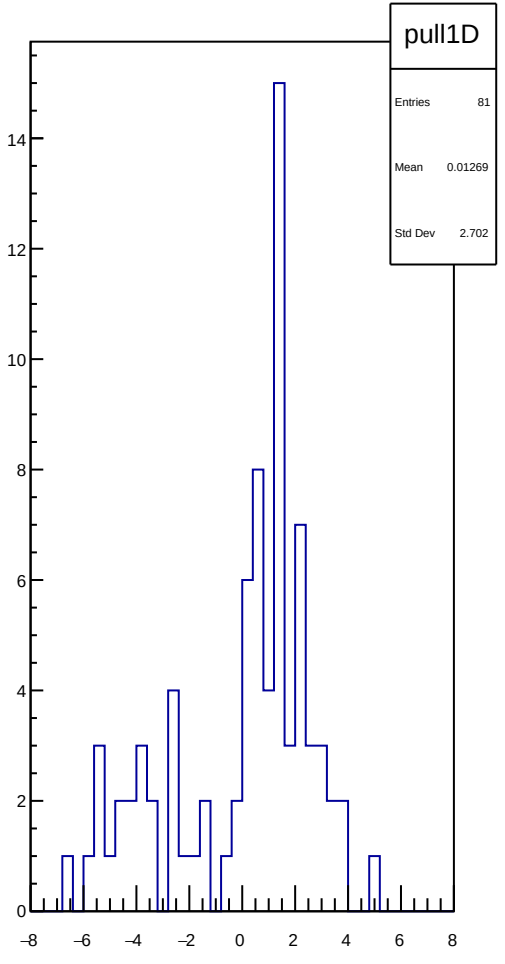

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.5 / 80
p0 39.72 ± 0.2806
pull
Entries 81
Mean 786.7
Std Dev 743.2
pull1D
Entries 81
Mean 0.004694
Std Dev 0.7658

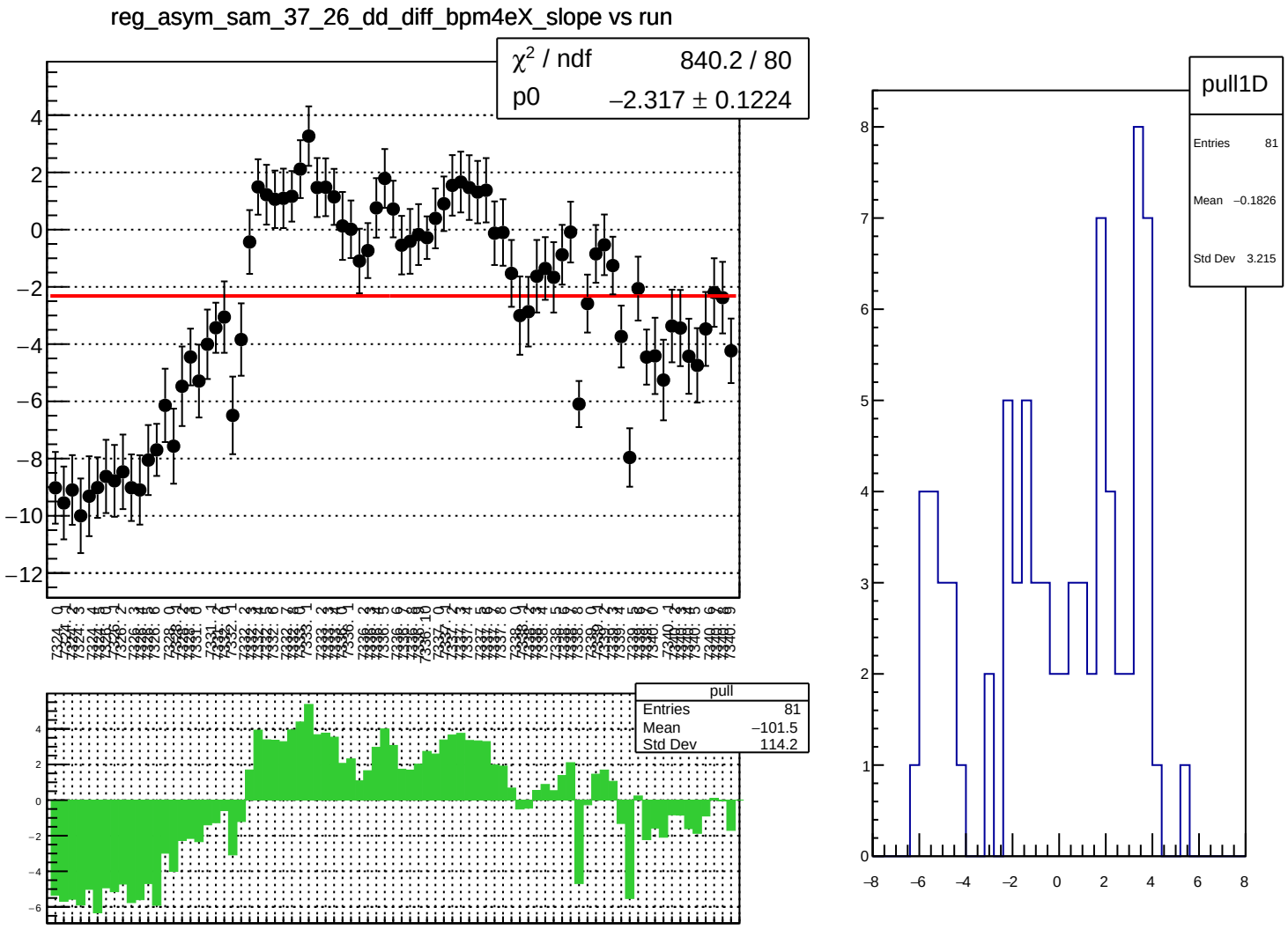

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 46.93 / 80
p0 −0.3612 ± 0.01377
pull
Entries 81
Mean 256.4
Std Dev 217.3
pull1D
Entries 81
Mean −0.07078
Std Dev 0.7578


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1164 / 80
p0 −6.67 ± 0.1233
pull
Entries 81
Mean −207.7
Std Dev 233.3

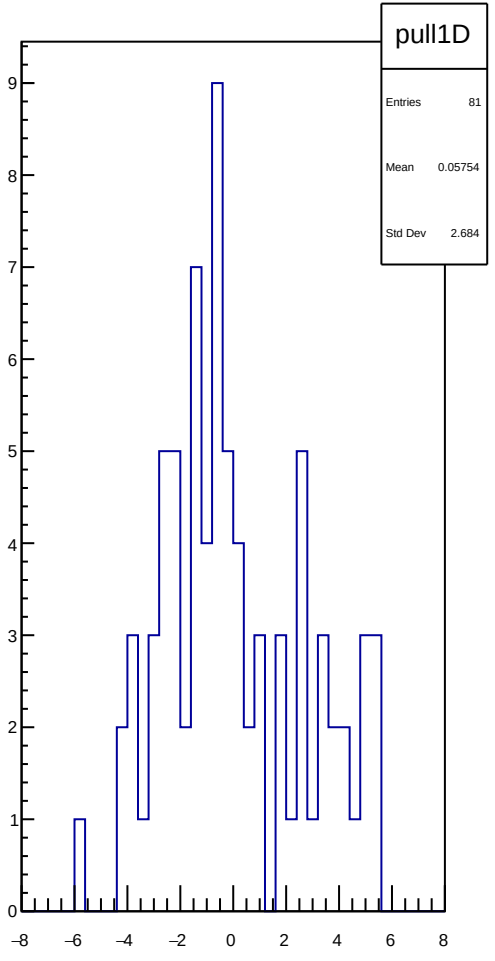

pull1D
Entries 81
Mean 0.197
Std Dev 3.785

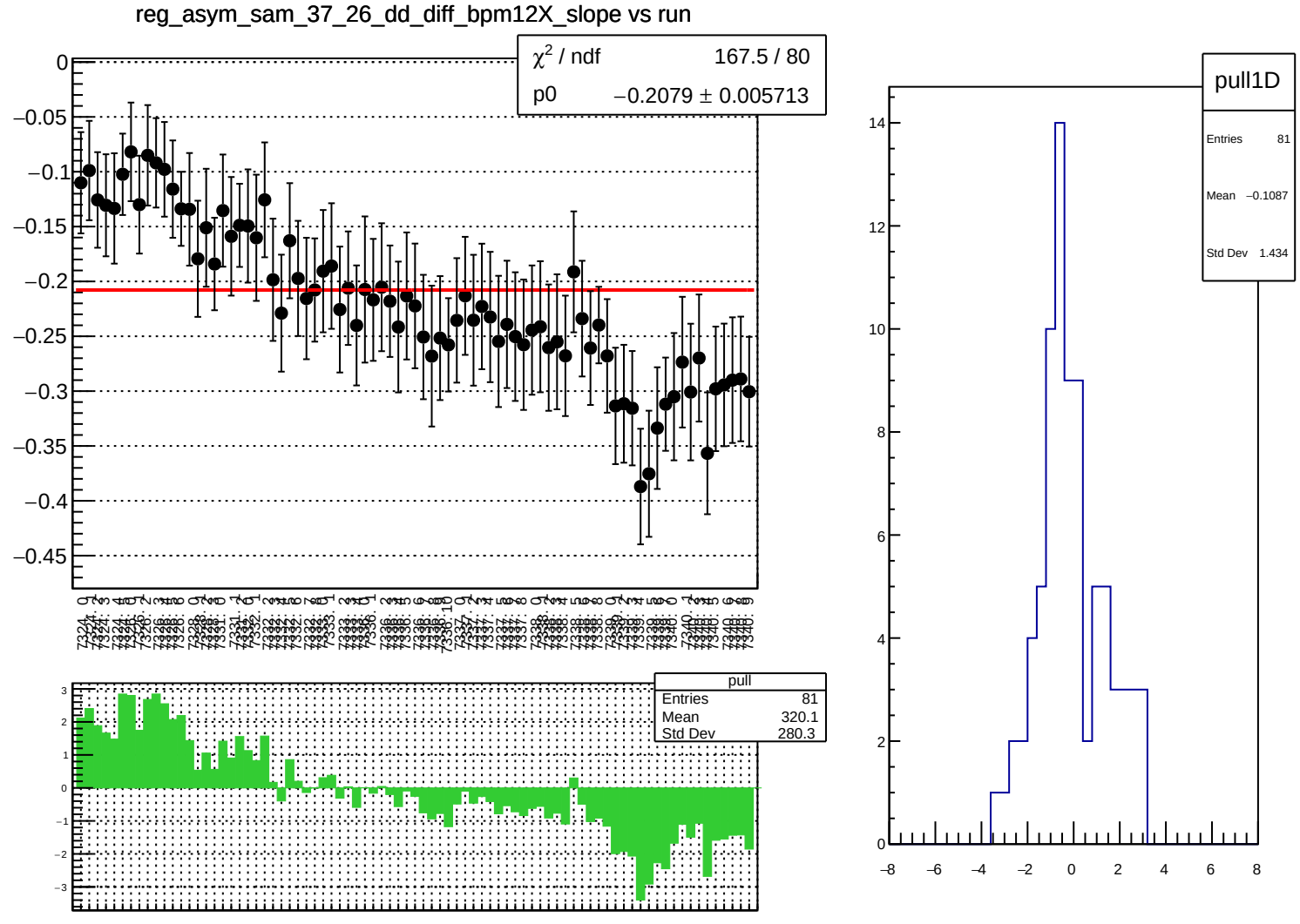

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 769.8 / 80
p0 1.374 ± 0.111
pull
Entries 81
Mean 333.8
Std Dev 297.7

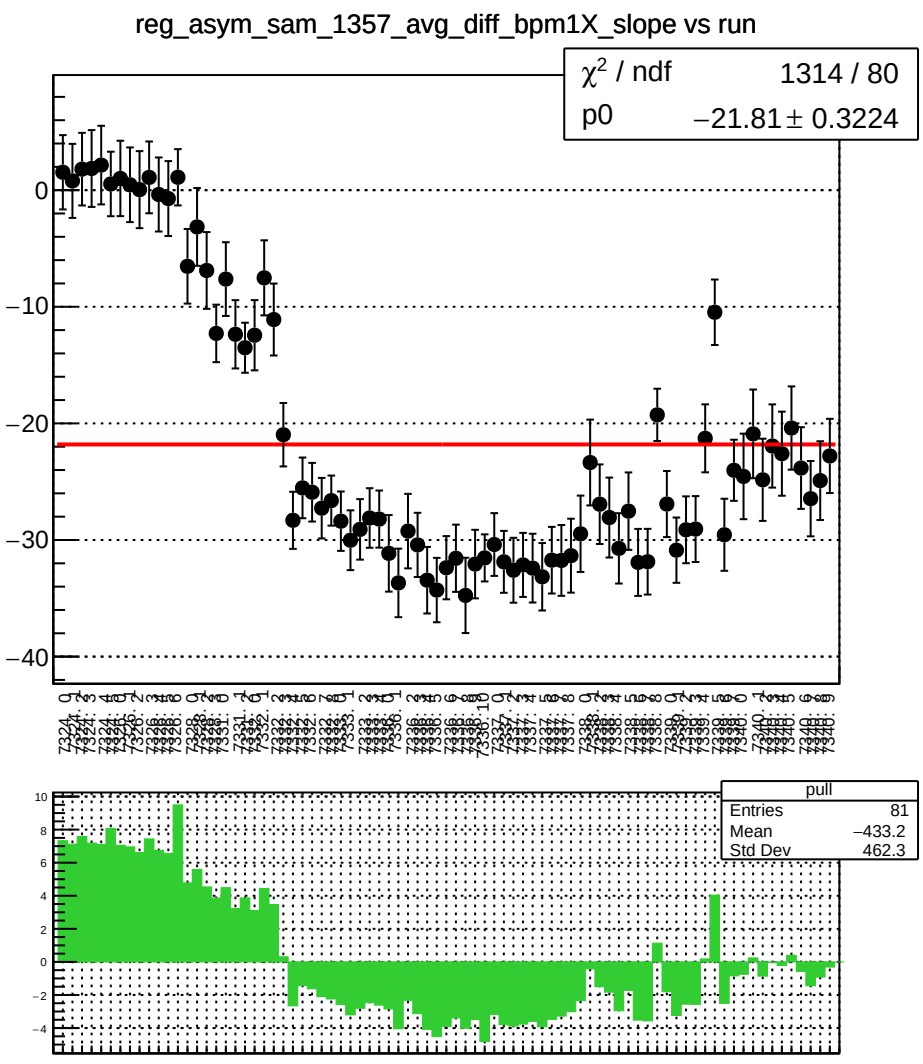

pull1D
Entries 81
Mean 0.01269
Std Dev 2.702

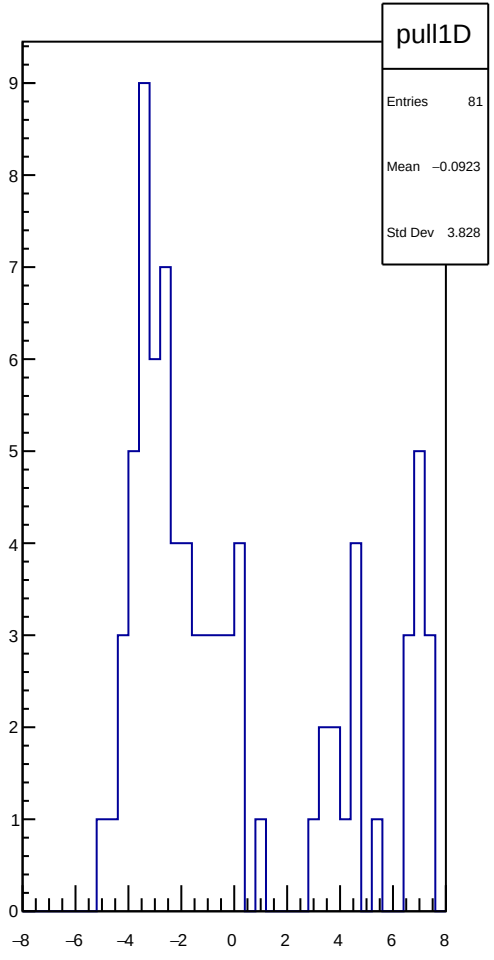

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 840.2 / 80
p0 −2.317 ± 0.1224
pull
Entries 81
Mean −101.5
Std Dev 114.2
pull1D
Entries 81
Mean −0.1826
Std Dev 3.215

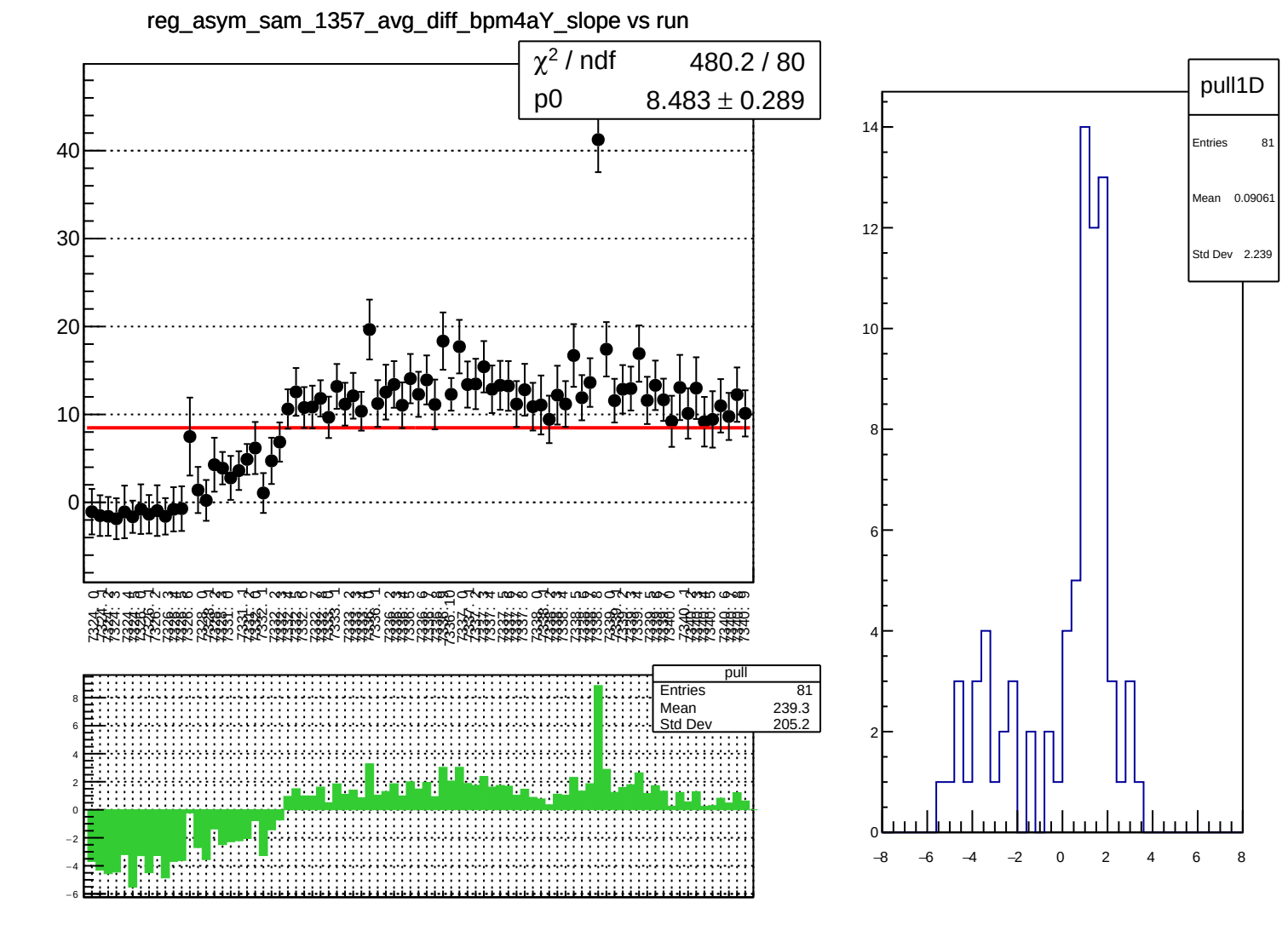

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 784.3 / 80
p0 12.68 ± 0.1169
pull
Entries 81
Mean 452.9
Std Dev 417.2

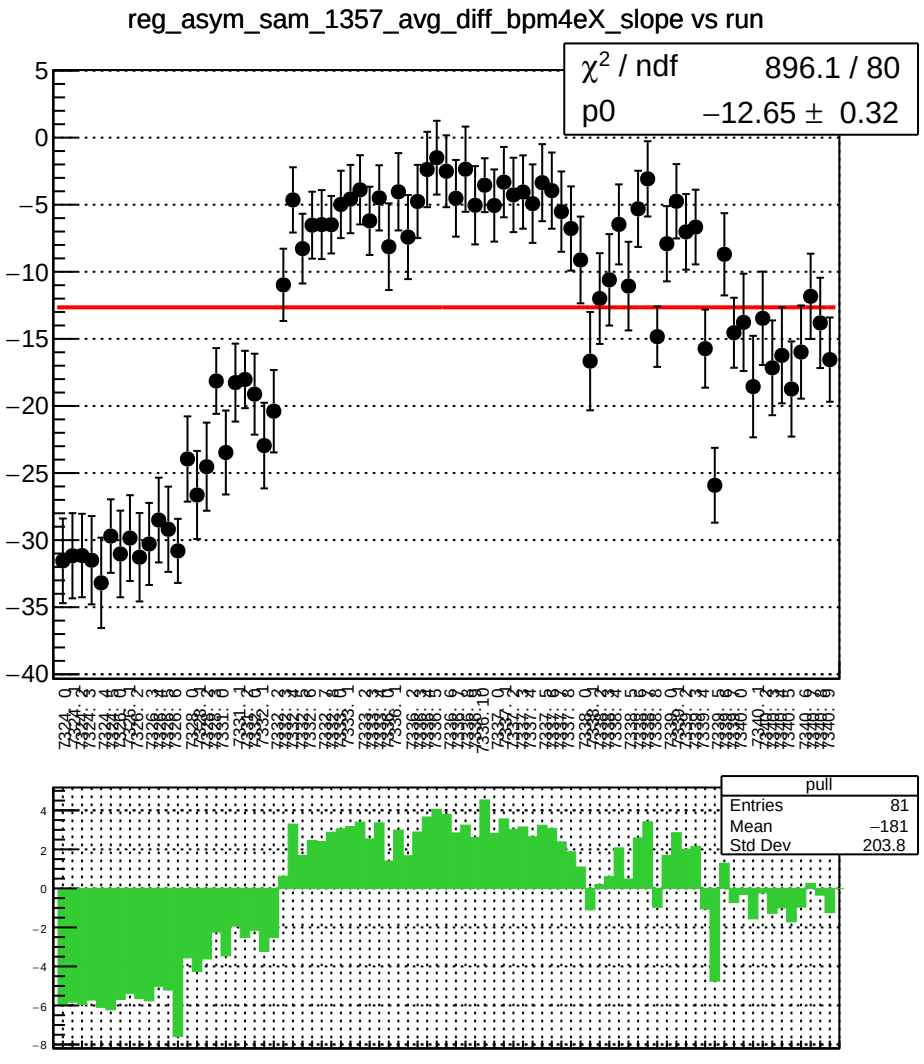

pull1D
Entries 81
Mean 0.05754
Std Dev 2.684

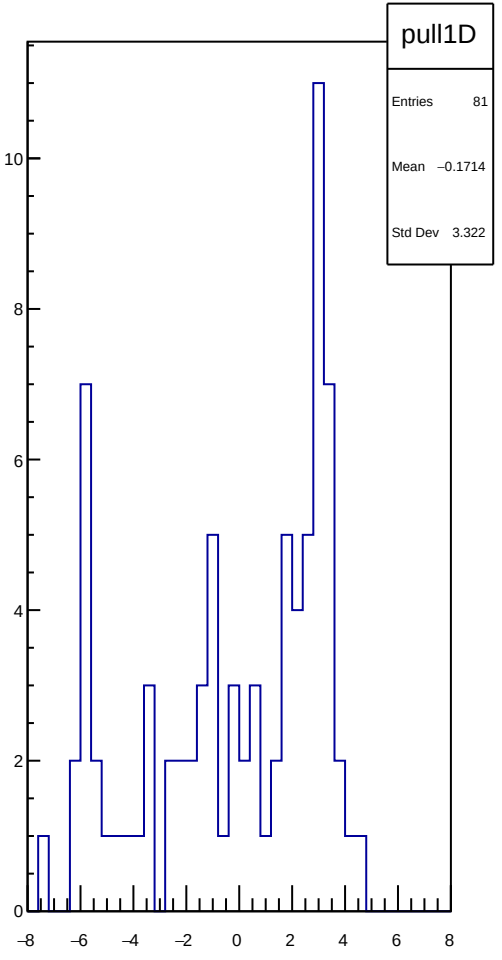

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 167.5 / 80
p0 −0.2079 ± 0.005713
pull
Entries 81
Mean 320.1
Std Dev 280.3
pull1D
Entries 81
Mean −0.1087
Std Dev 1.434

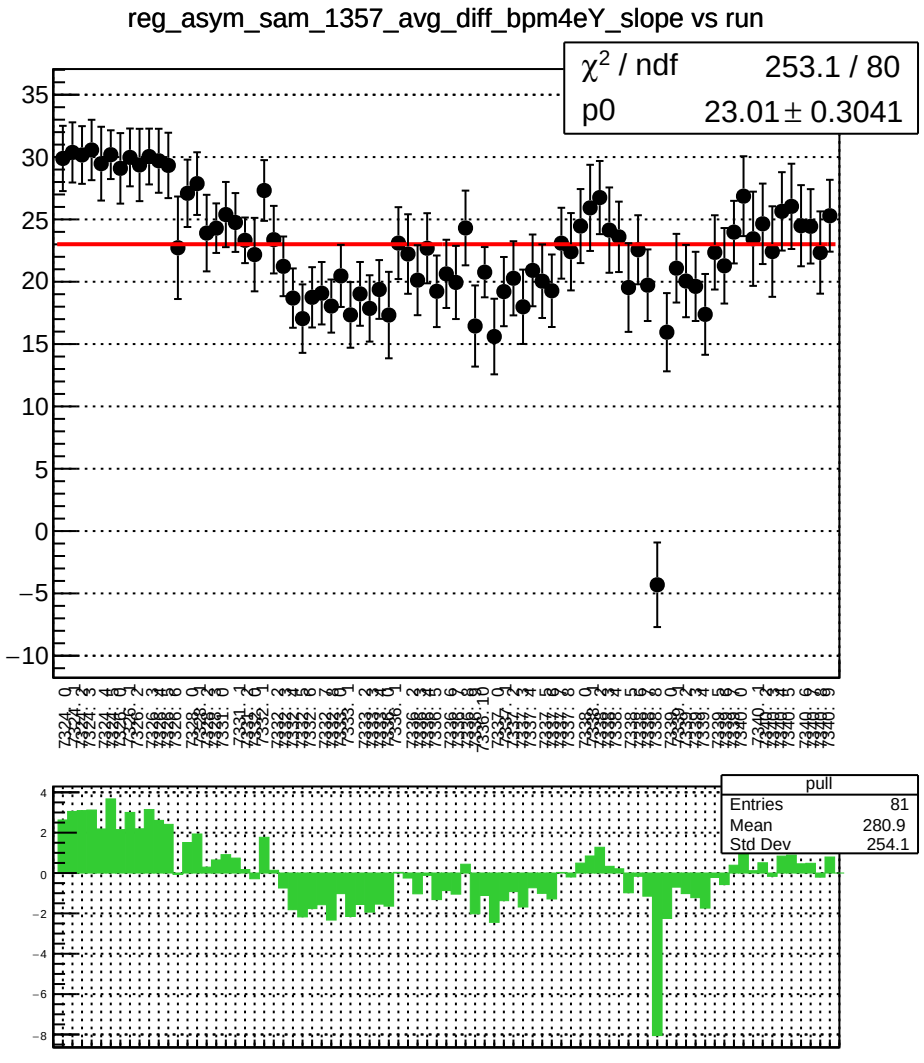

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 1314 / 80
p0 −21.81 ± 0.3224
pull
Entries 81
Mean −433.2
Std Dev 462.3

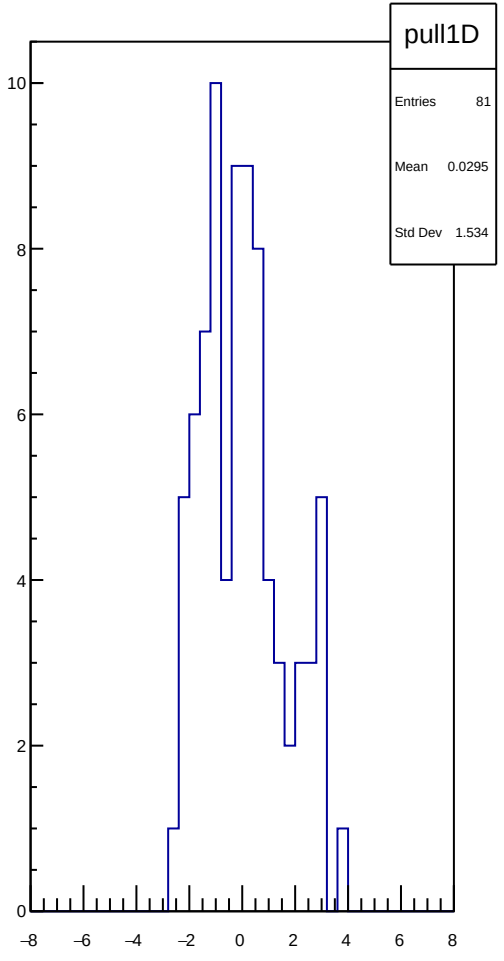

pull1D
Entries 81
Mean −0.0923
Std Dev 3.828

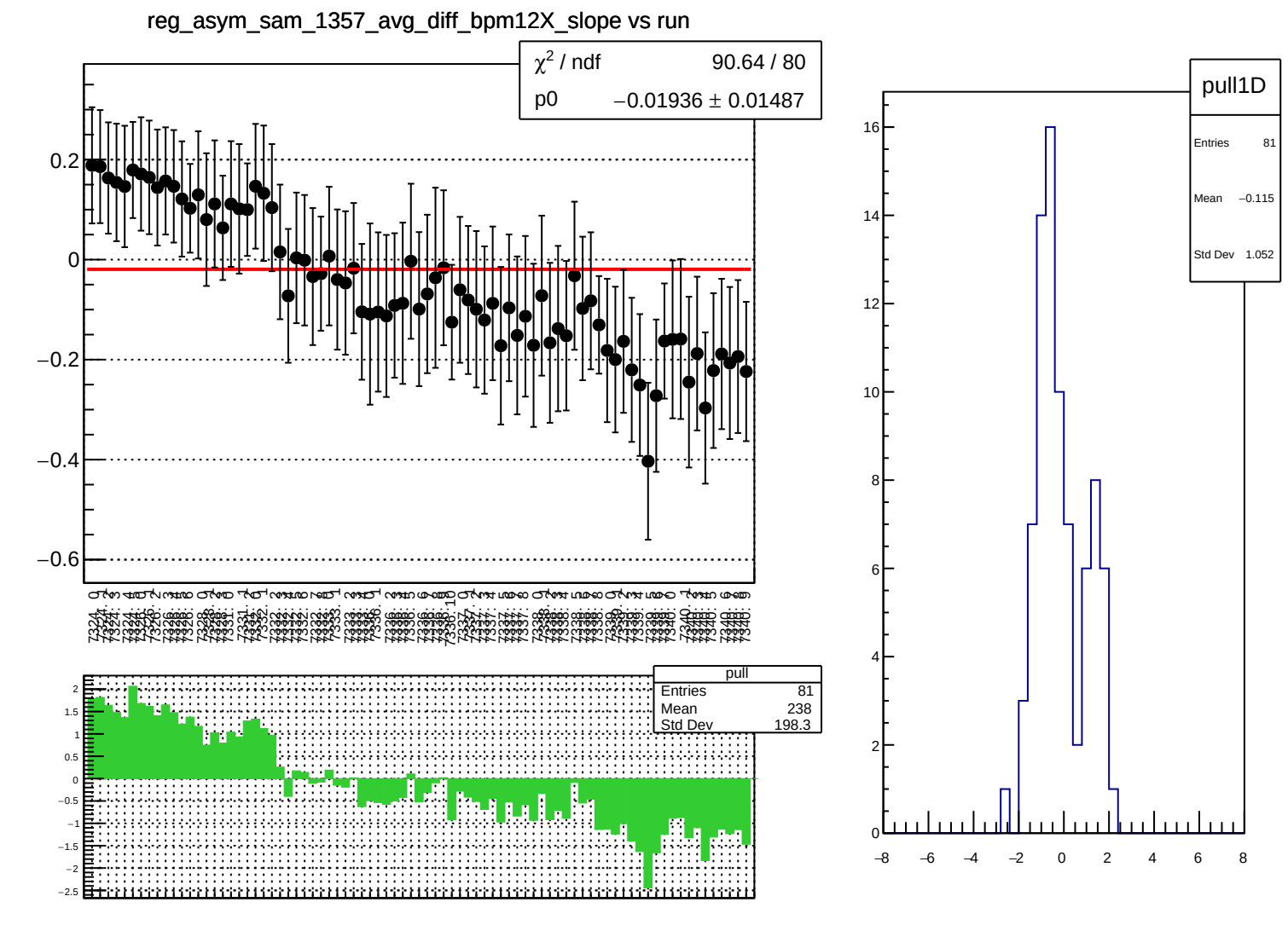

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 480.2 / 80
p0 8.483 ± 0.289
pull
Entries 81
Mean 239.3
Std Dev 205.2
pull1D
Entries 81
Mean 0.09061
Std Dev 2.239

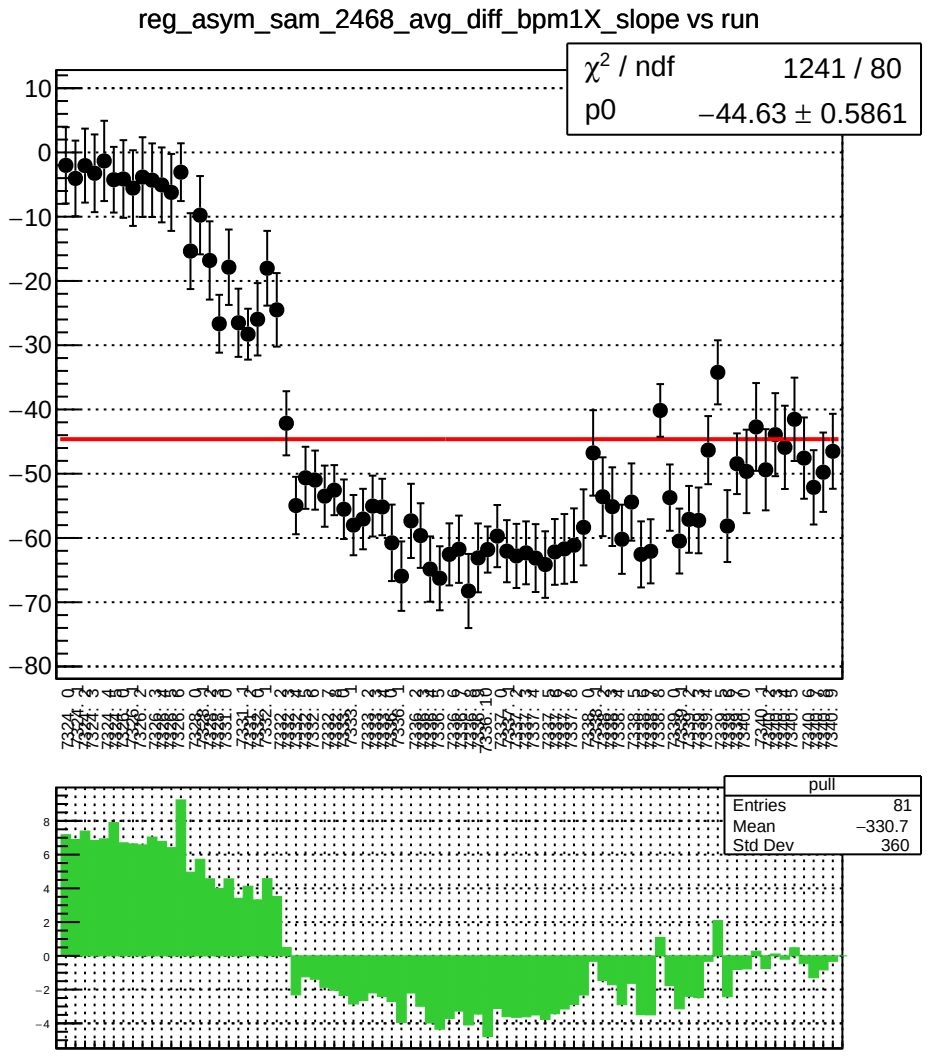

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 896.1 / 80
p0 −12.65 ± 0.32
pull
Entries 81
Mean −181
Std Dev 203.8

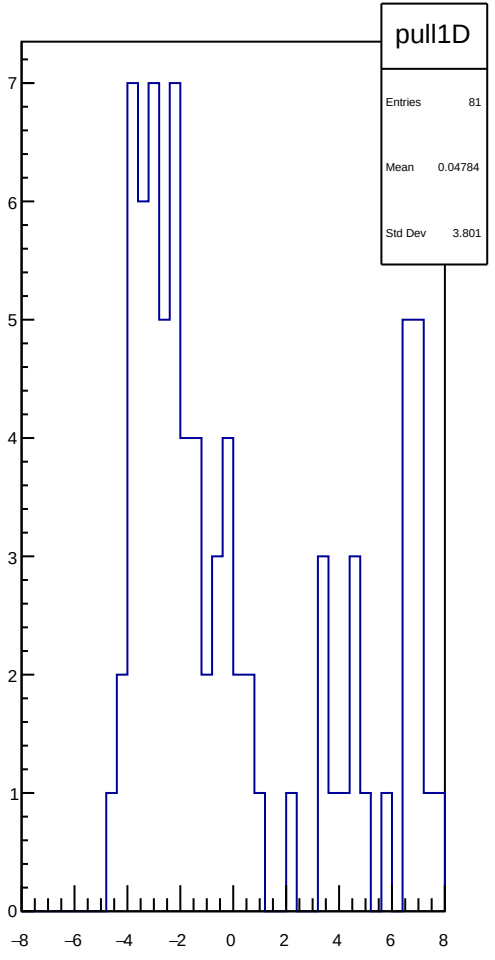

pull1D
Entries 81
Mean −0.1714
Std Dev 3.322

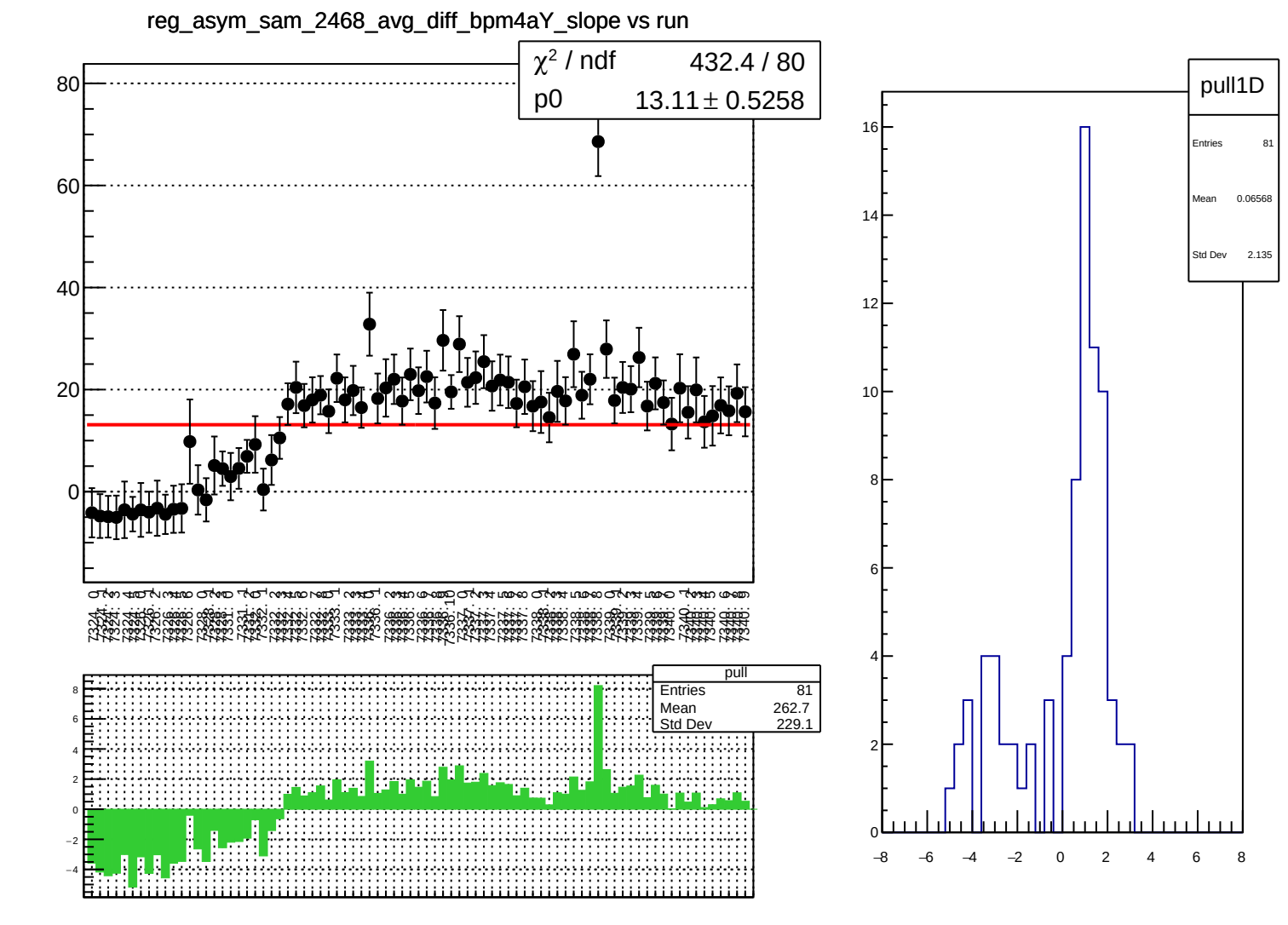

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 253.1 / 80
p0 23.01 ± 0.3041
pull
Entries 81
Mean 280.9
Std Dev 254.1

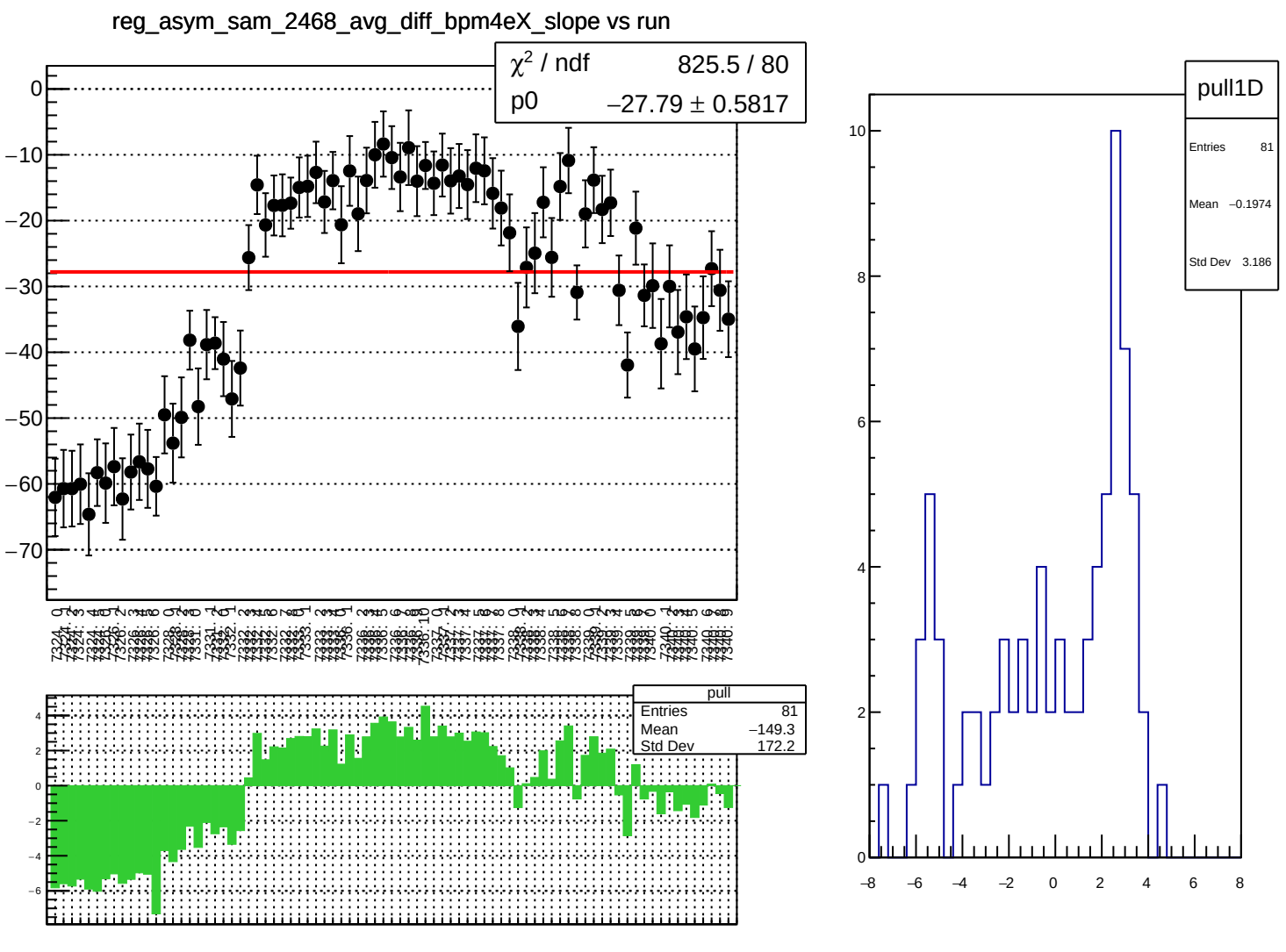

pull1D
Entries 81
Mean 0.0295
Std Dev 1.534

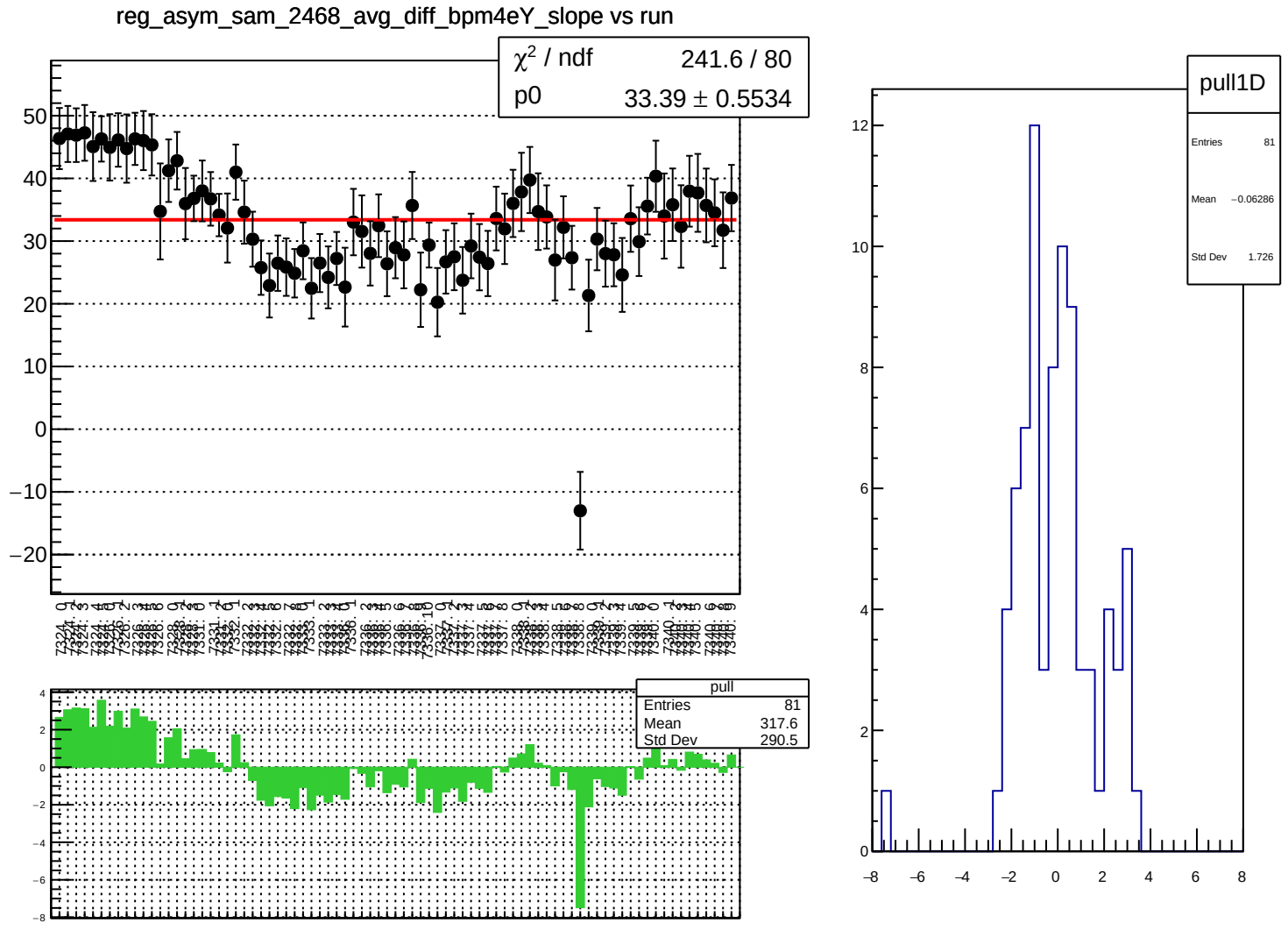

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 90.64 / 80
p0 −0.01936 ± 0.01487
pull
Entries 81
Mean 238
Std Dev 198.3
pull1D
Entries 81
Mean −0.115
Std Dev 1.052

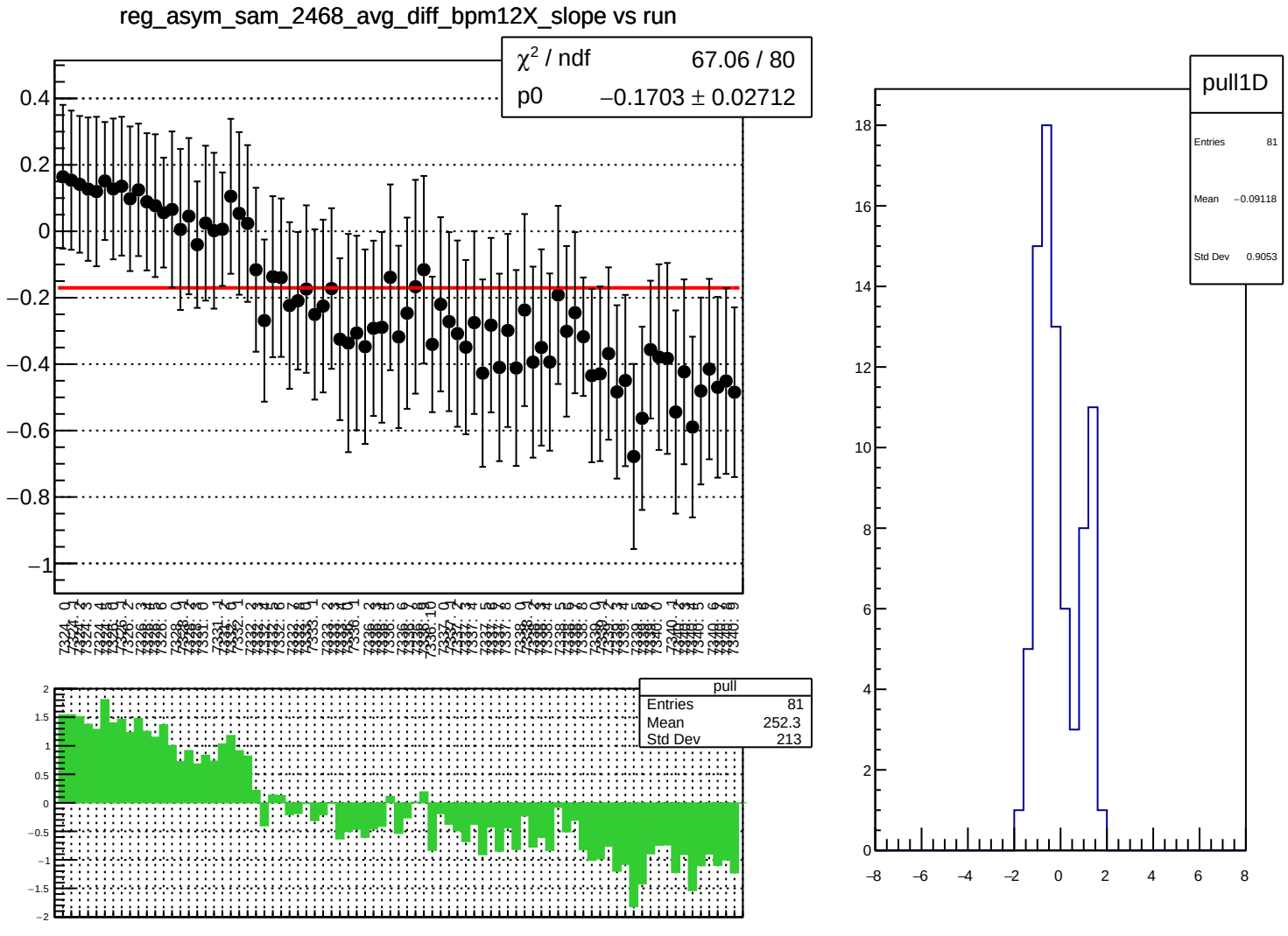

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1241 / 80
p0 −44.63 ± 0.5861
pull
Entries 81
Mean −330.7
Std Dev 360

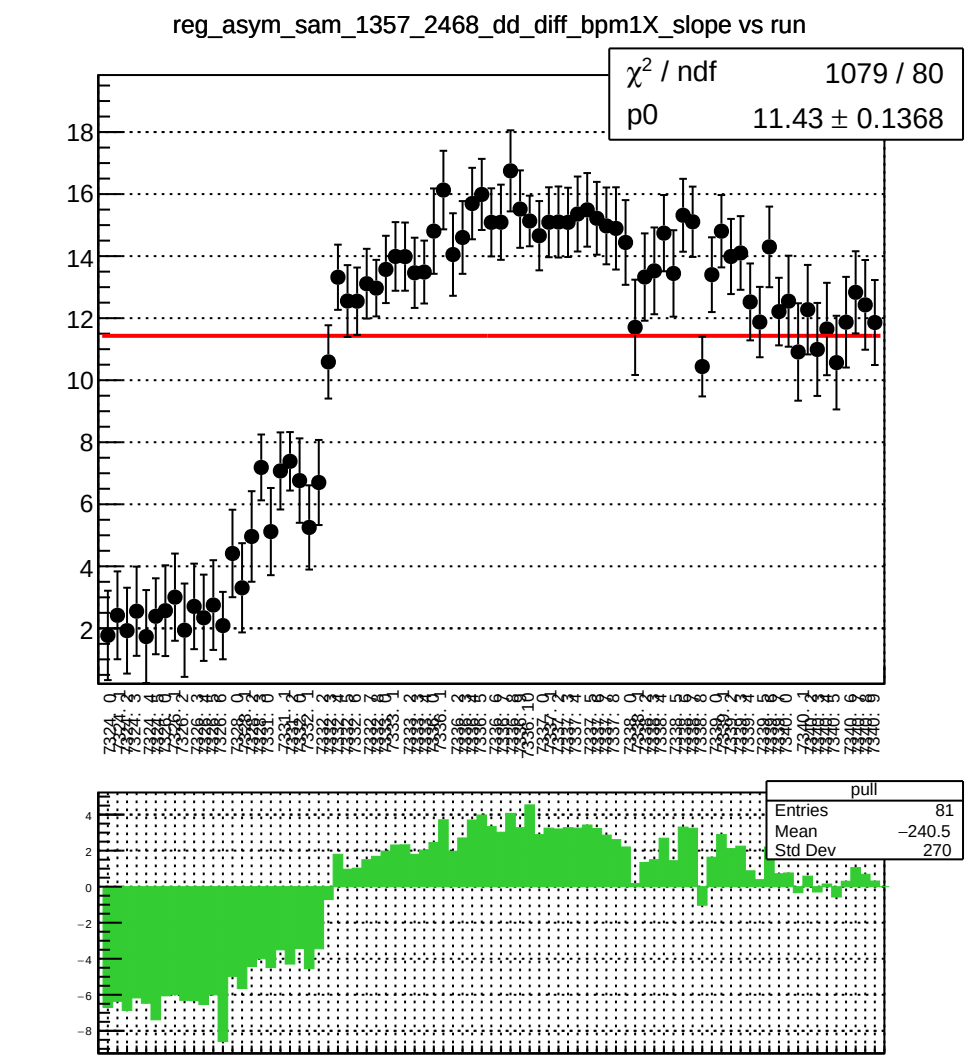

pull1D
Entries 81
Mean 0.04784
Std Dev 3.801

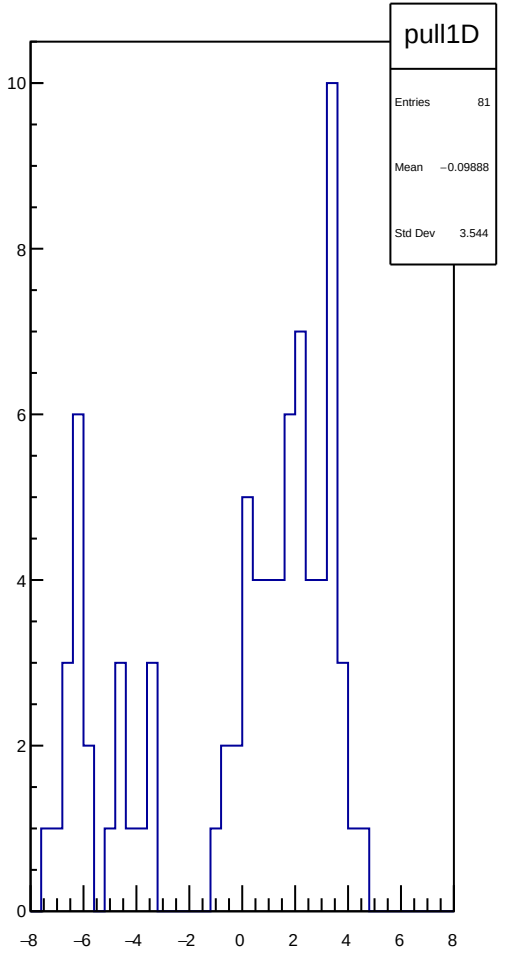

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 432.4 / 80
p0 13.11 ± 0.5258
pull
Entries 81
Mean 262.7
Std Dev 229.1
pull1D
Entries 81
Mean 0.06568
Std Dev 2.135

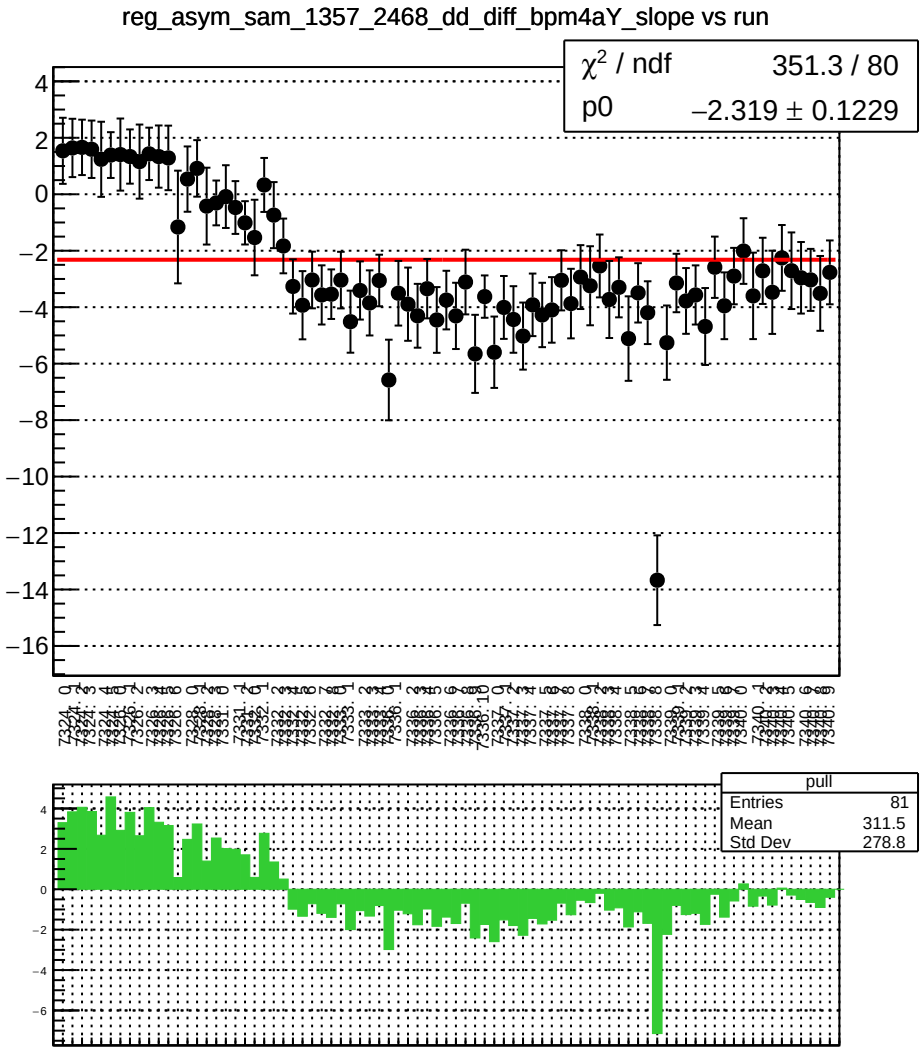

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 825.5 / 80
p0 −27.79 ± 0.5817
pull
Entries 81
Mean −149.3
Std Dev 172.2
pull1D
Entries 81
Mean −0.1974
Std Dev 3.186

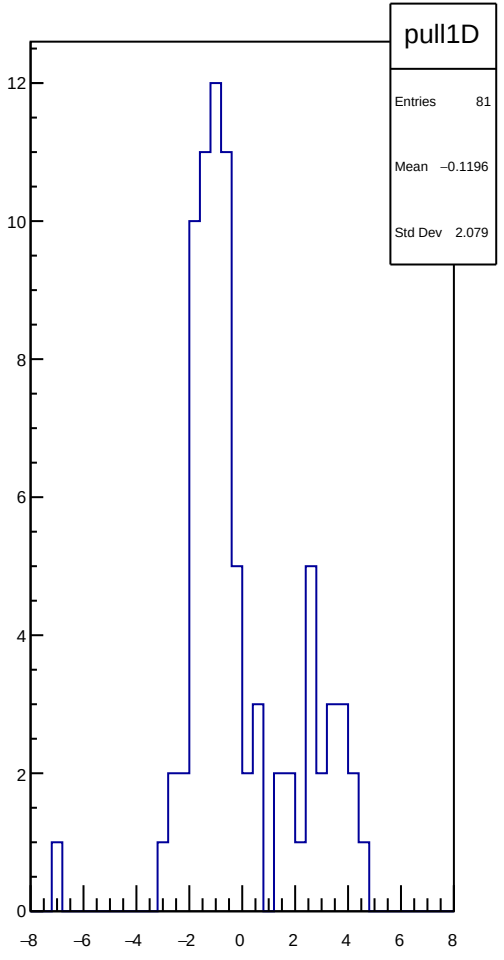

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 241.6 / 80
p0 33.39 ± 0.5534
pull
Entries 81
Mean 317.6
Std Dev 290.5
pull1D
Entries 81
Mean −0.06286
Std Dev 1.726

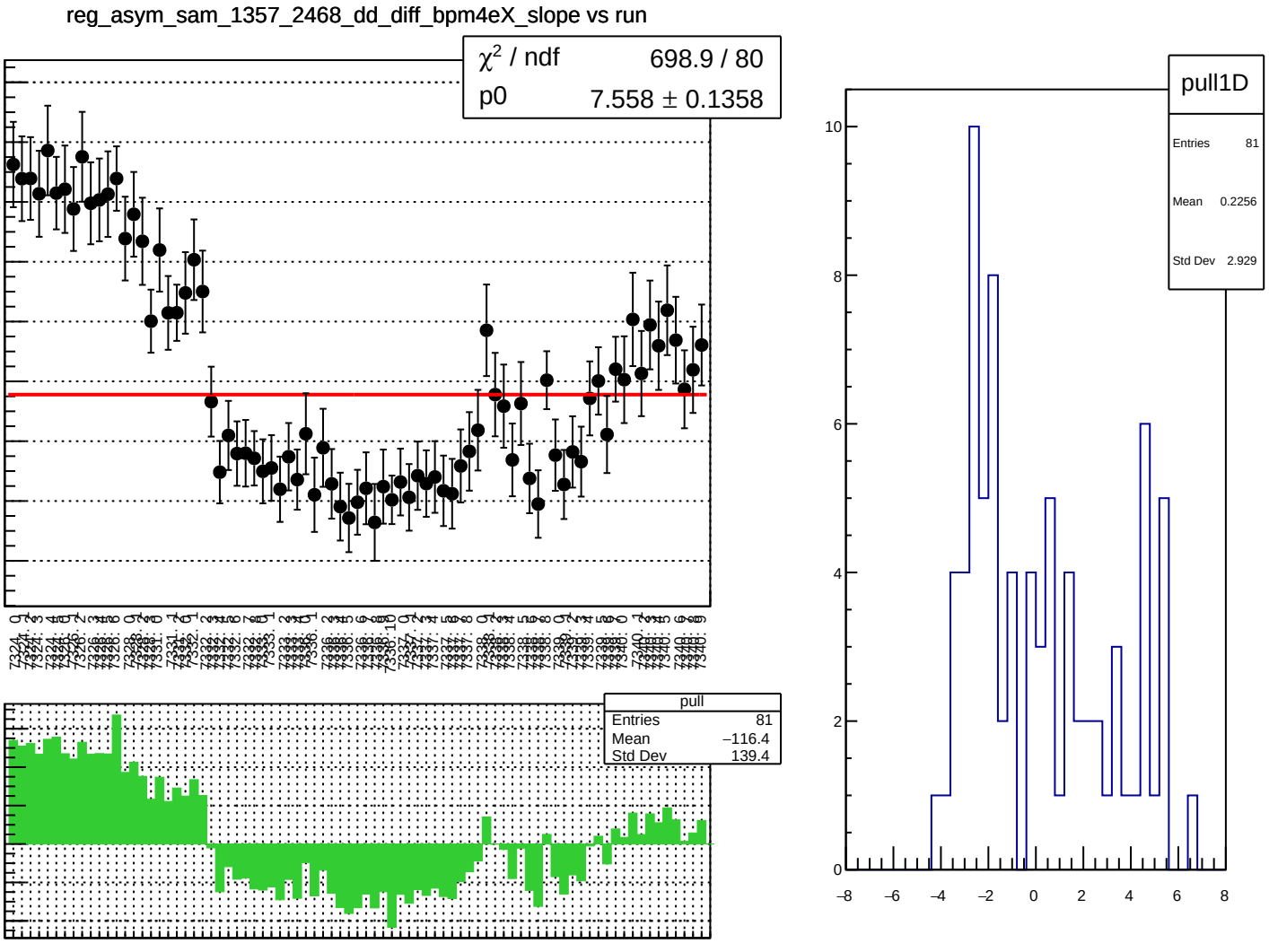

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 67.06 / 80
p0 −0.1703 ± 0.02712
pull
Entries 81
Mean 252.3
Std Dev 213
pull1D
Entries 81
Mean −0.09118
Std Dev 0.9053

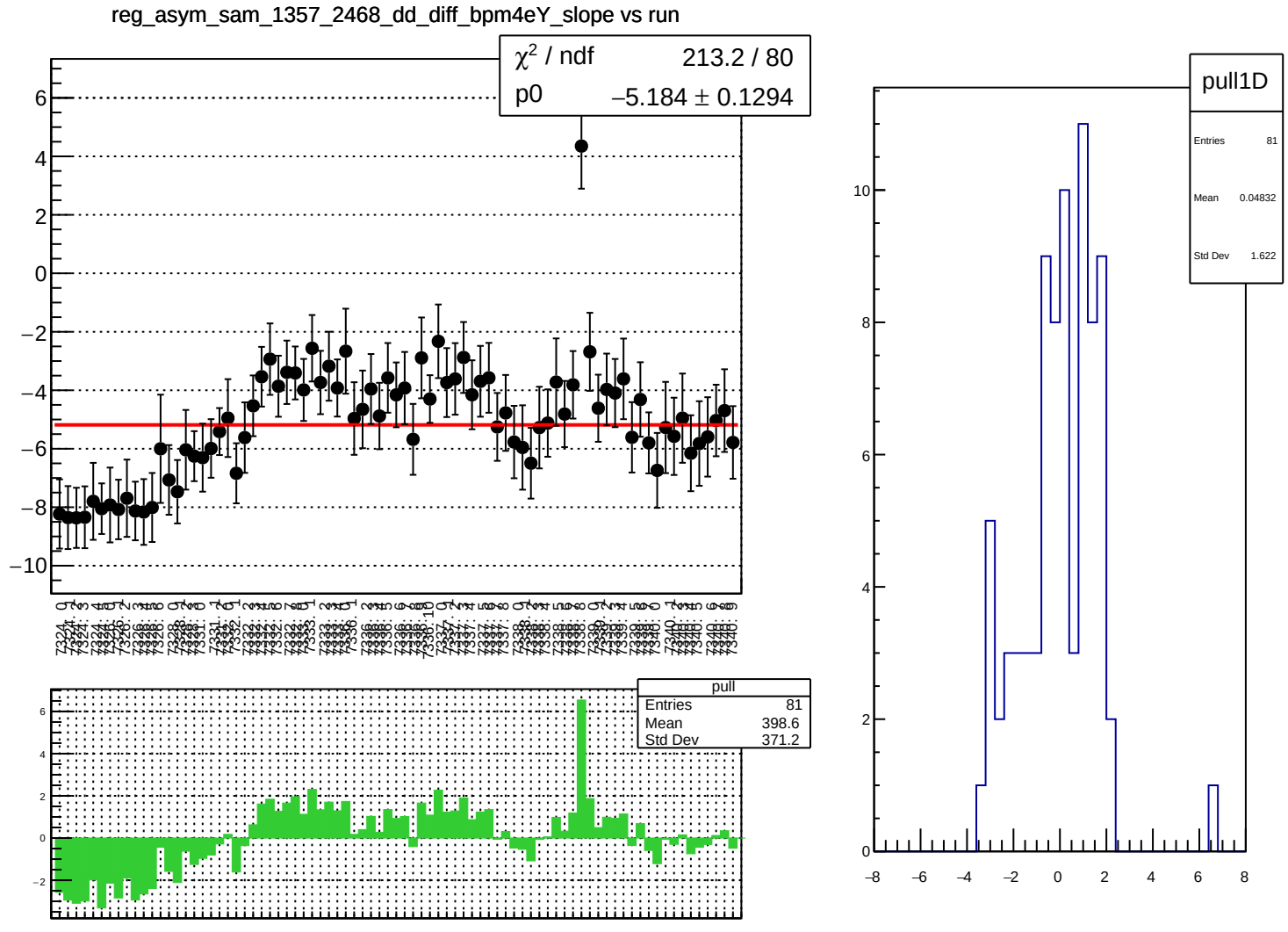

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1079 / 80
p0 11.43 ± 0.1368
pull
Entries 81
Mean −240.5
Std Dev 270

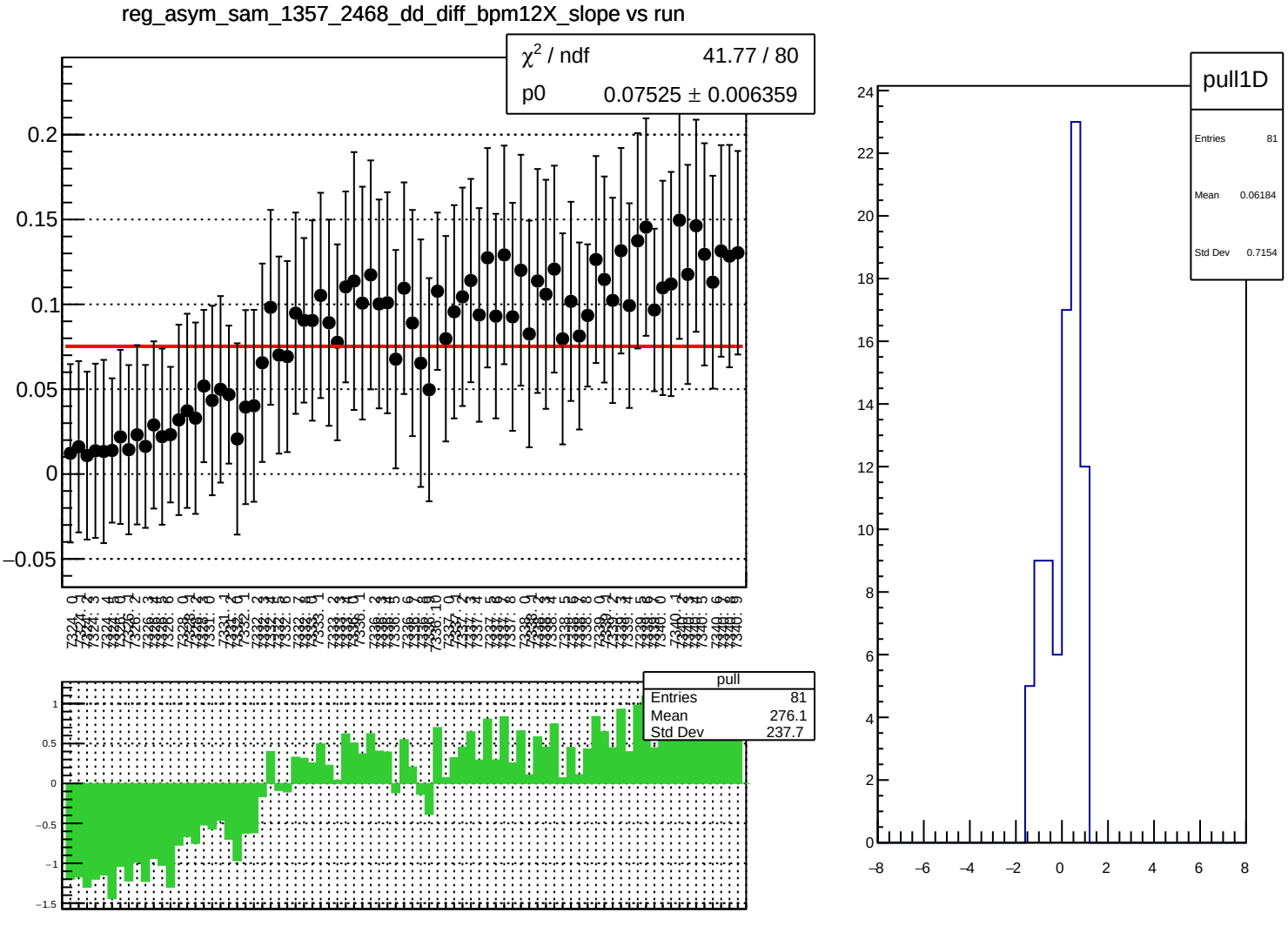

pull1D
Entries 81
Mean −0.09888
Std Dev 3.544

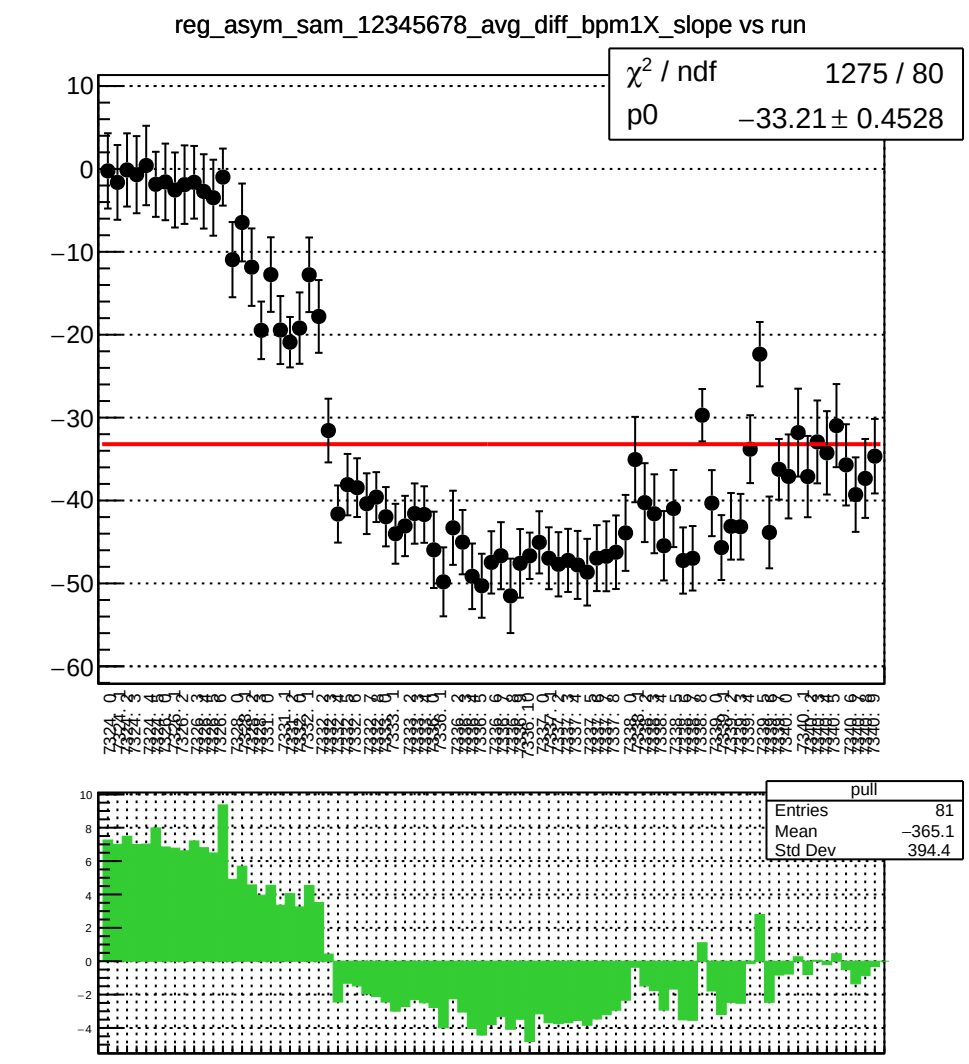

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 351.3 / 80
p0 −2.319 ± 0.1229
pull
Entries 81
Mean 311.5
Std Dev 278.8

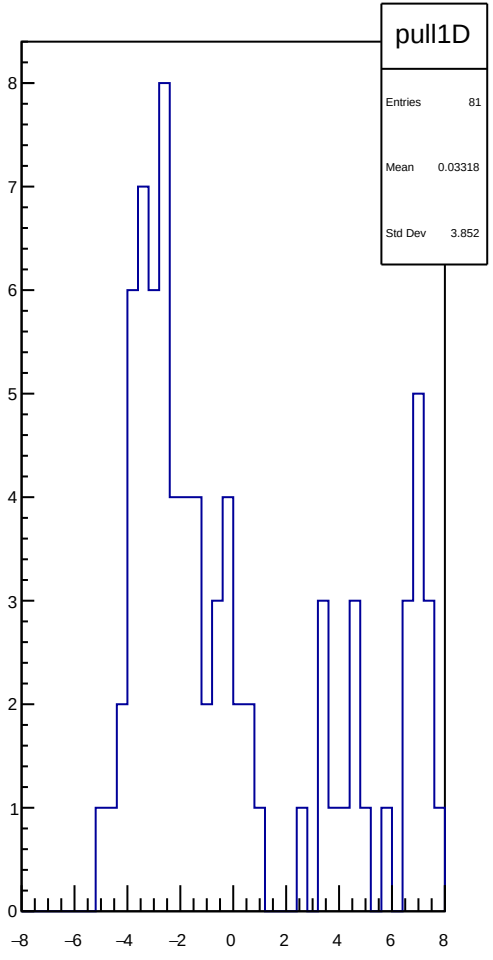

pull1D
Entries 81
Mean −0.1196
Std Dev 2.079

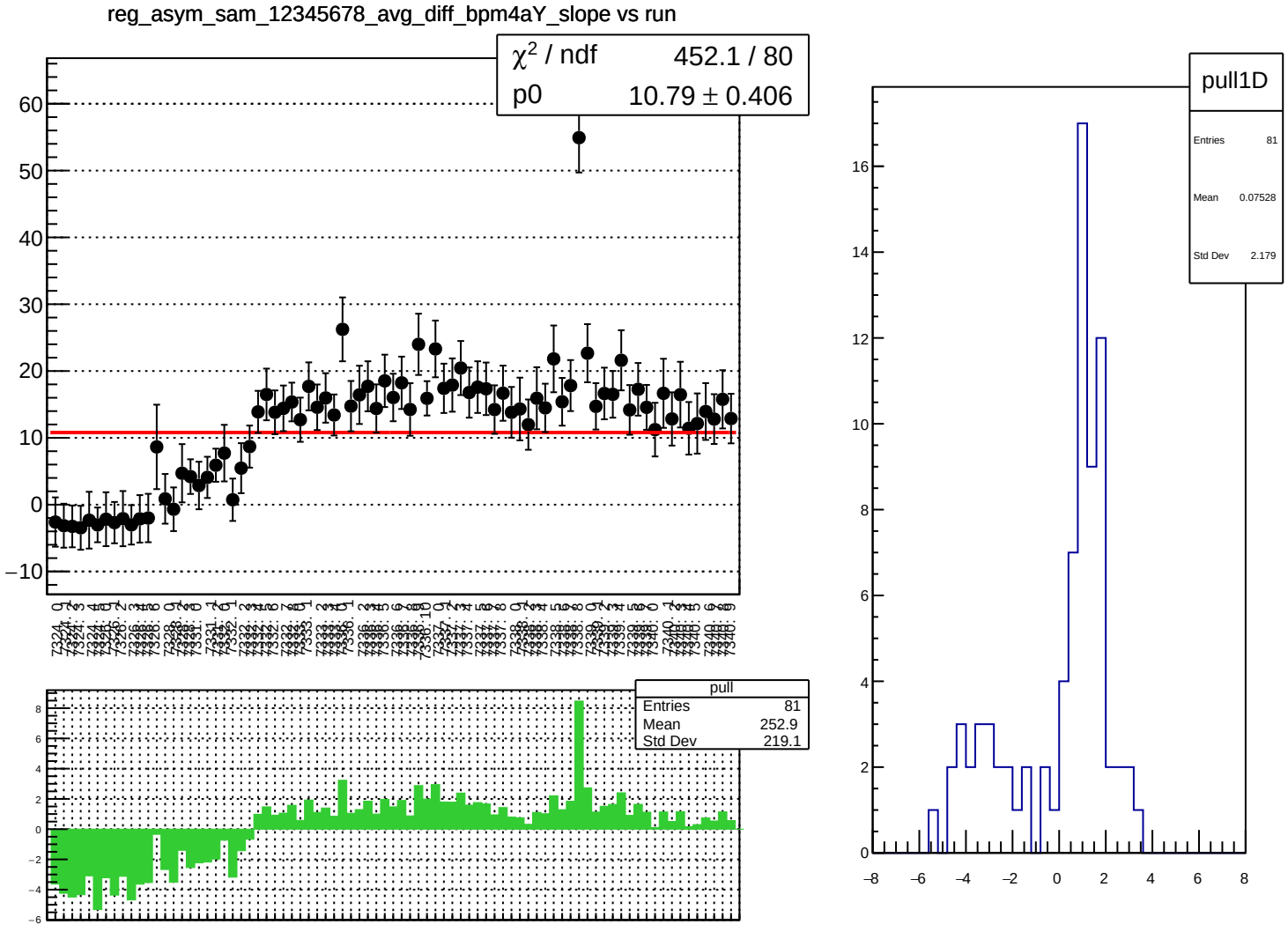

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 698.9 / 80
p0 7.558 ± 0.1358
pull
Entries 81
Mean −116.4
Std Dev 139.4
pull1D
Entries 81
Mean 0.2256
Std Dev 2.929

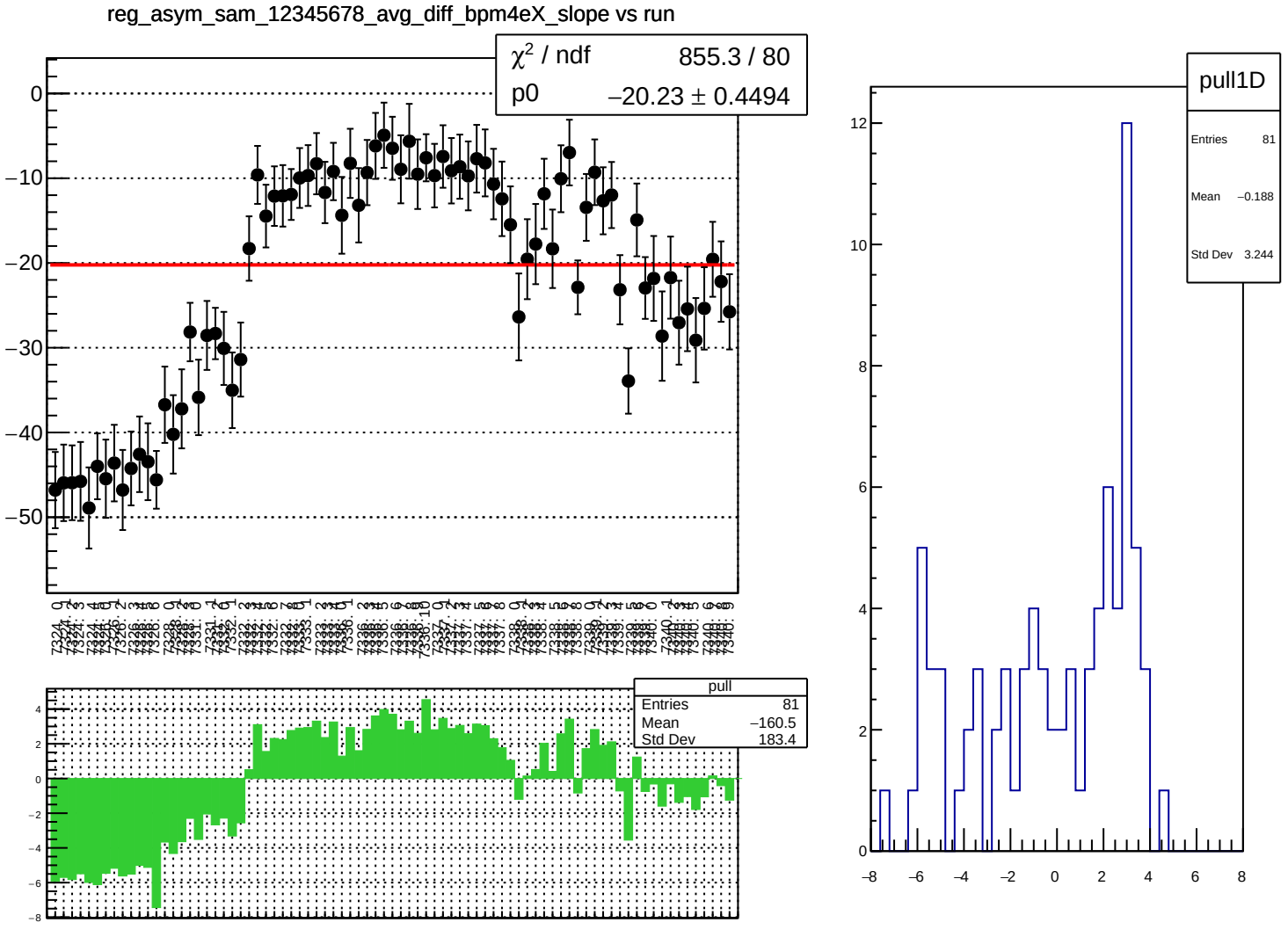

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 213.2 / 80
p0 −5.184 ± 0.1294
pull
Entries 81
Mean 398.6
Std Dev 371.2
pull1D
Entries 81
Mean 0.04832
Std Dev 1.622

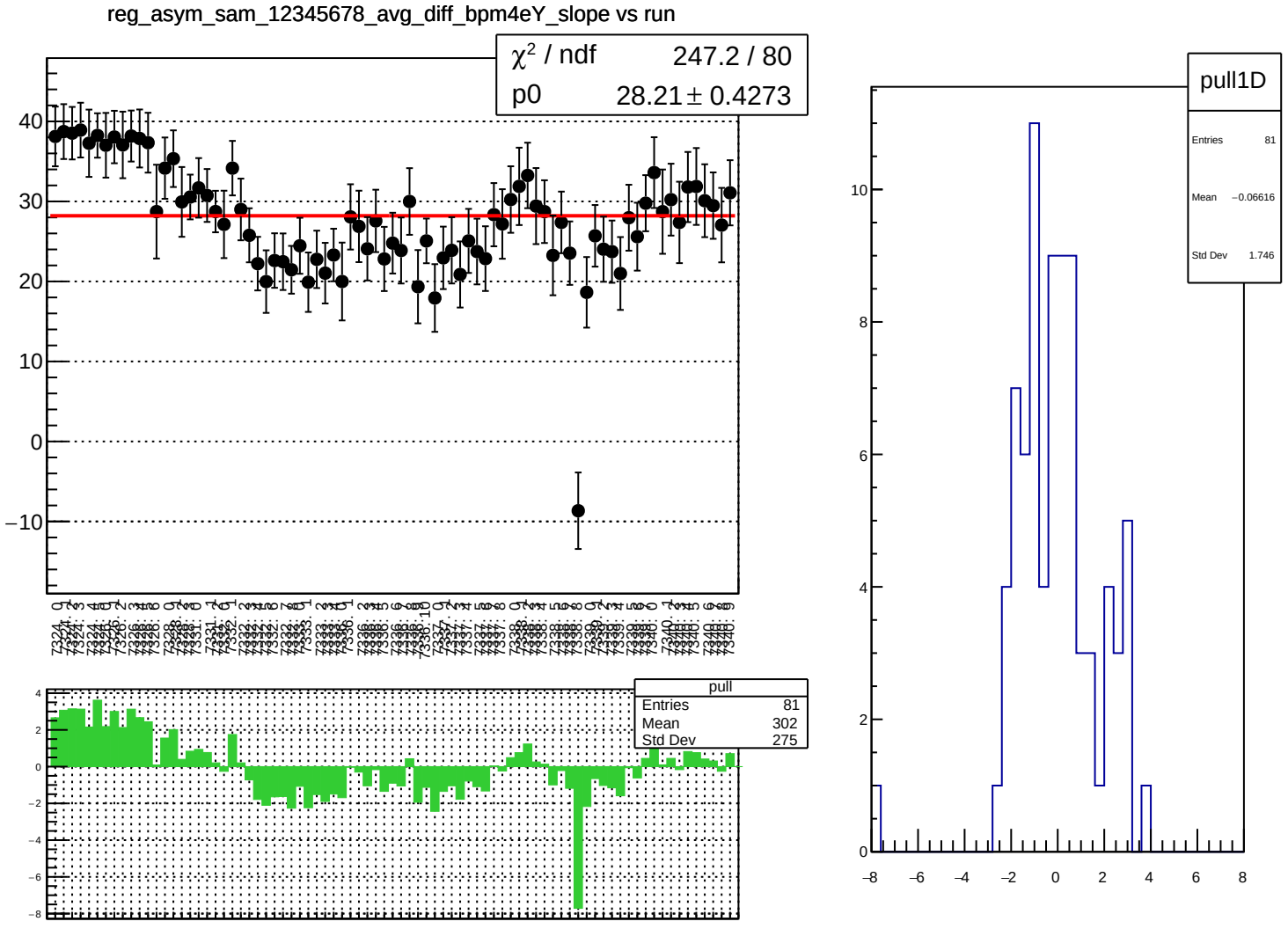

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 41.77 / 80
p0 0.07525 ± 0.006359
pull
Entries 81
Mean 276.1
Std Dev 237.7
pull1D
Entries 81
Mean 0.06184
Std Dev 0.7154

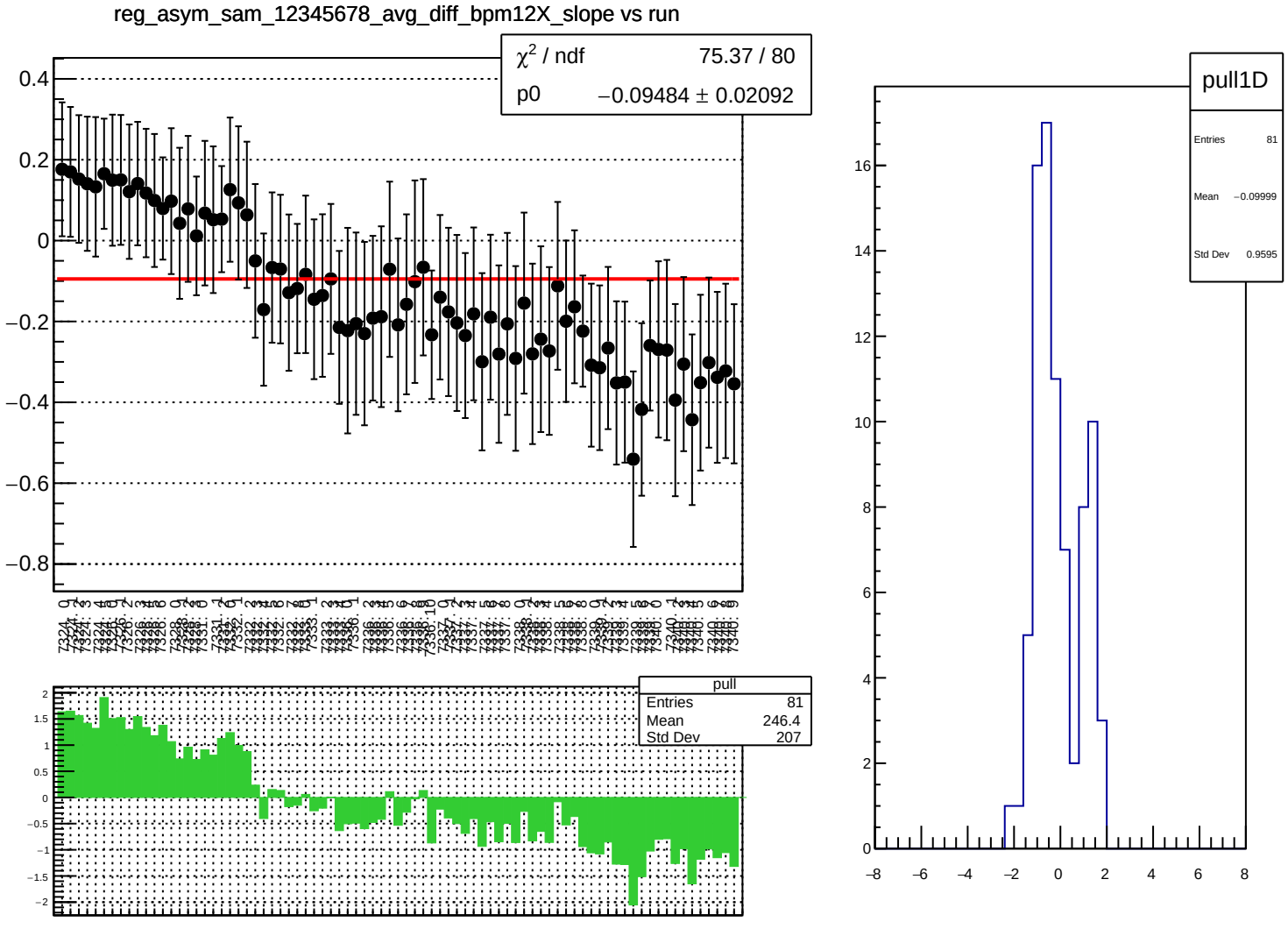

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1275 / 80
p0 −33.21 ± 0.4528
pull
Entries 81
Mean −365.1
Std Dev 394.4

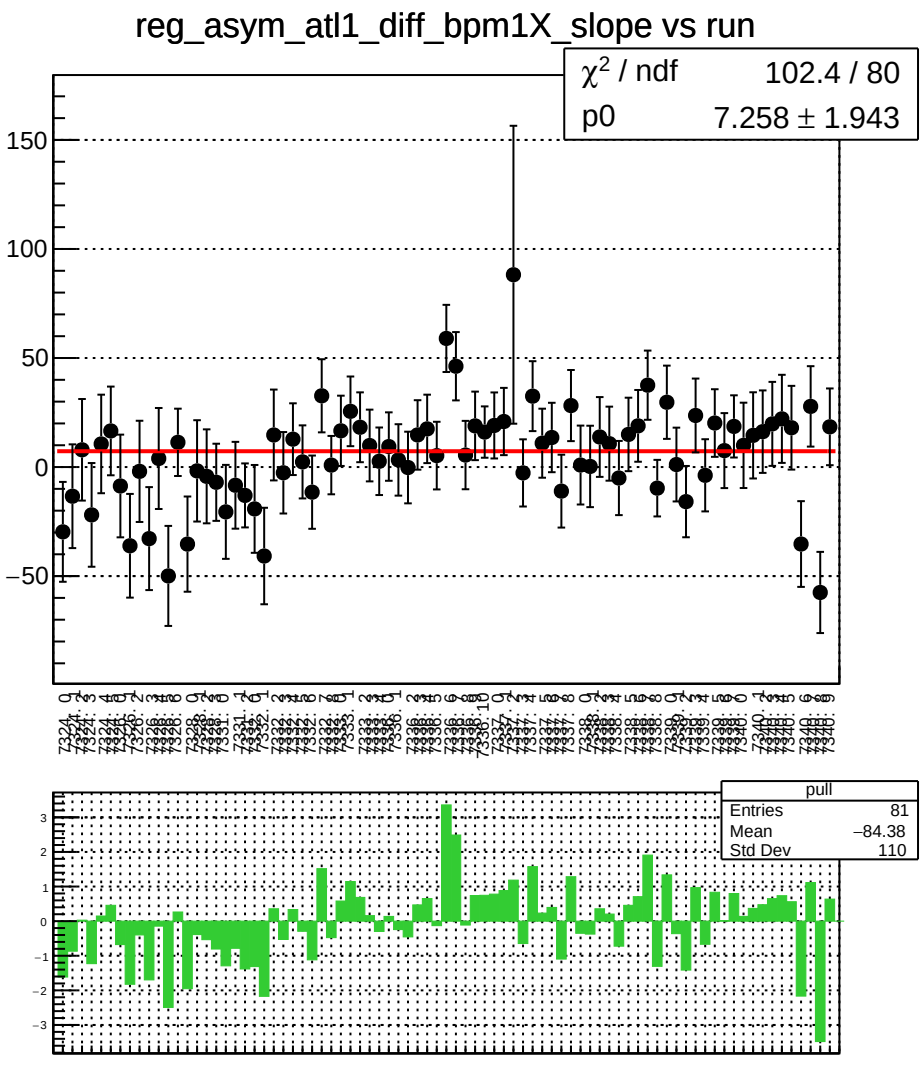

pull1D
Entries 81
Mean 0.03318
Std Dev 3.852

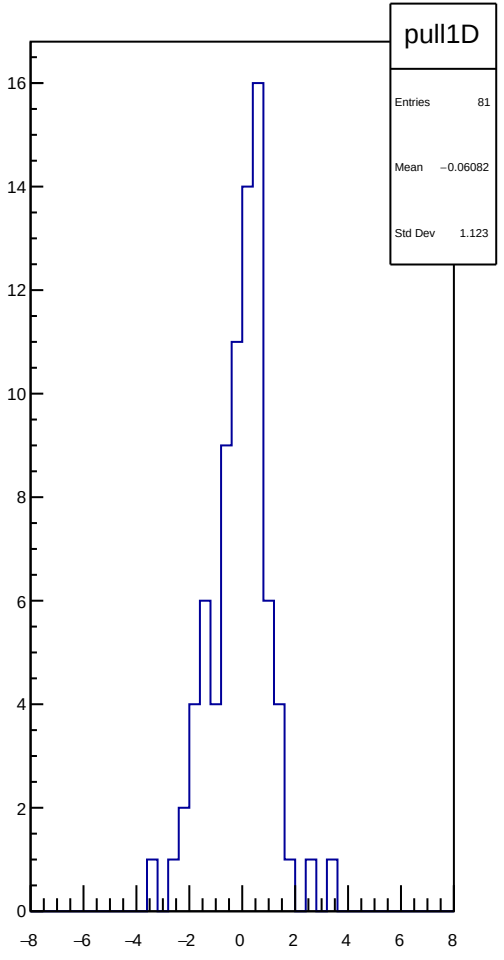

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 452.1 / 80
p0 10.79 ± 0.406
pull
Entries 81
Mean 252.9
Std Dev 219.1
pull1D
Entries 81
Mean 0.07528
Std Dev 2.179

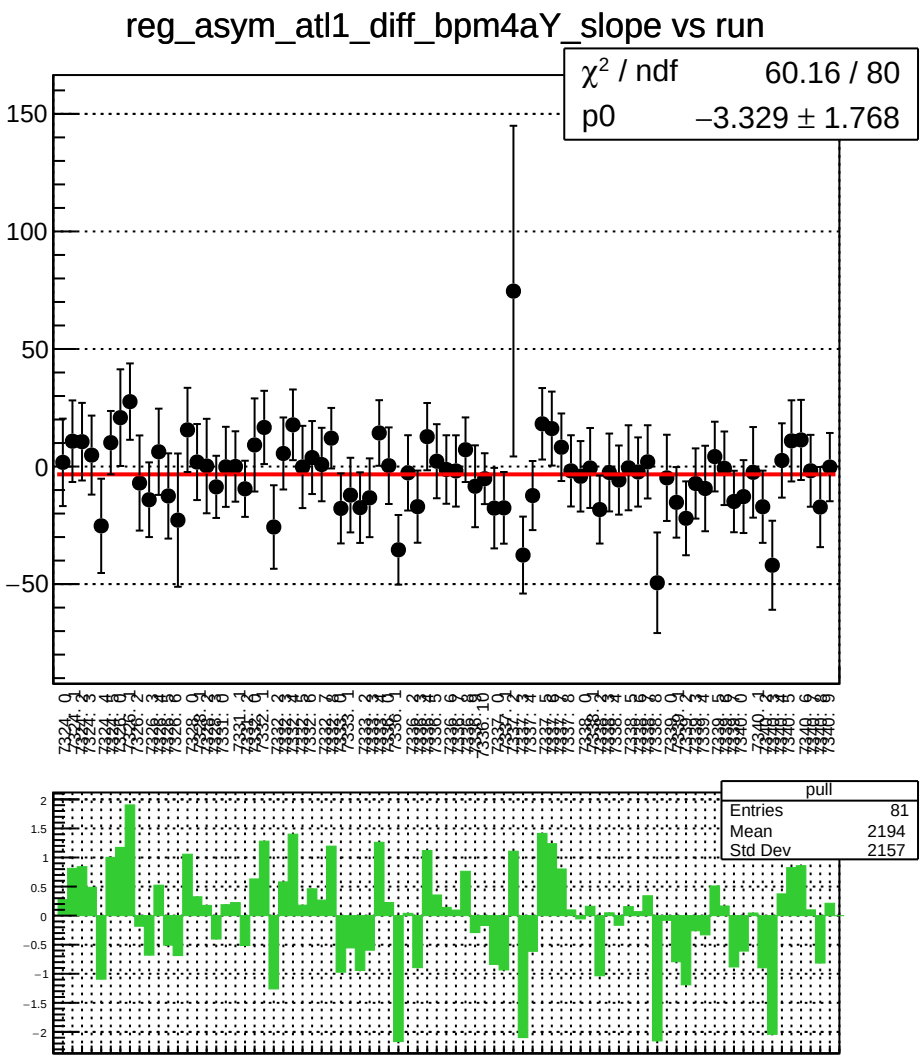

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 855.3 / 80
p0 −20.23 ± 0.4494
pull
Entries 81
Mean −160.5
Std Dev 183.4
pull1D
Entries 81
Mean −0.188
Std Dev 3.244

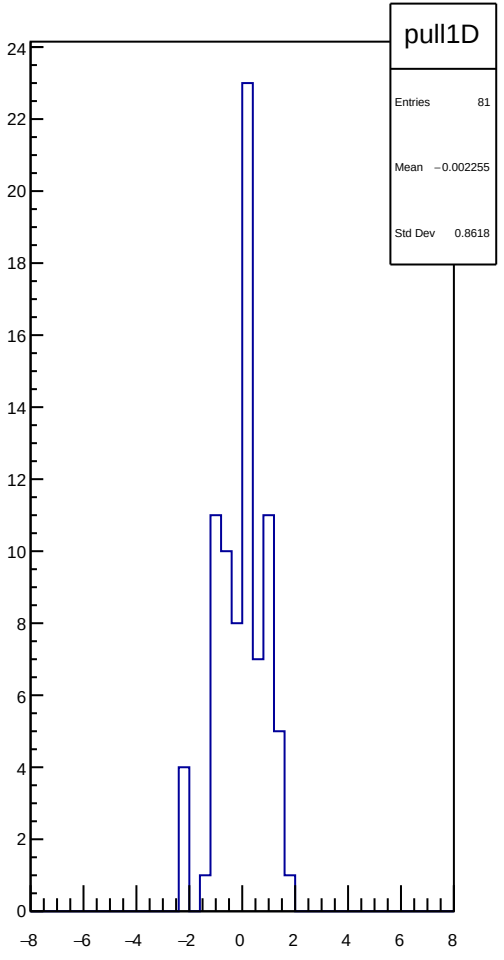

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 247.2 / 80
p0 28.21 ± 0.4273
pull
Entries 81
Mean 302
Std Dev 275
pull1D
Entries 81
Mean −0.06616
Std Dev 1.746

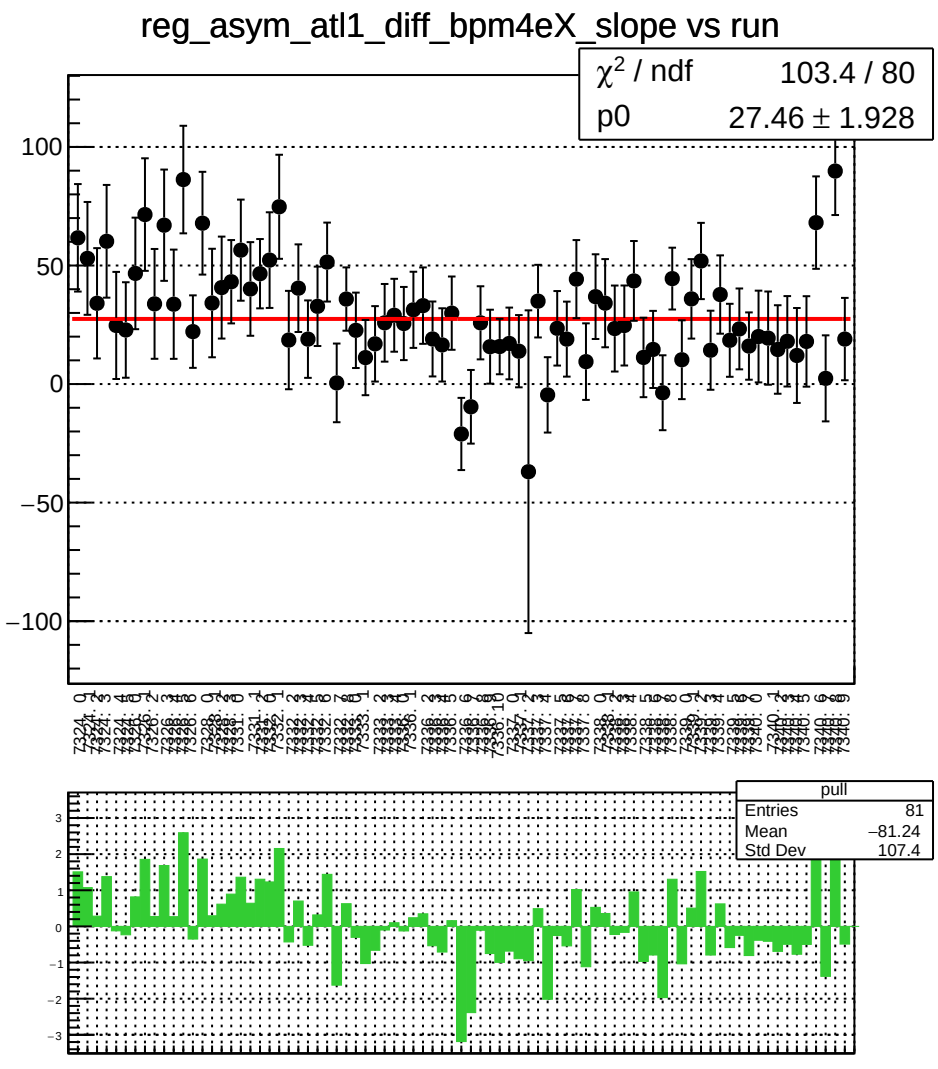

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 75.37 / 80
p0 −0.09484 ± 0.02092
pull
Entries 81
Mean 246.4
Std Dev 207
pull1D
Entries 81
Mean −0.09999
Std Dev 0.9595

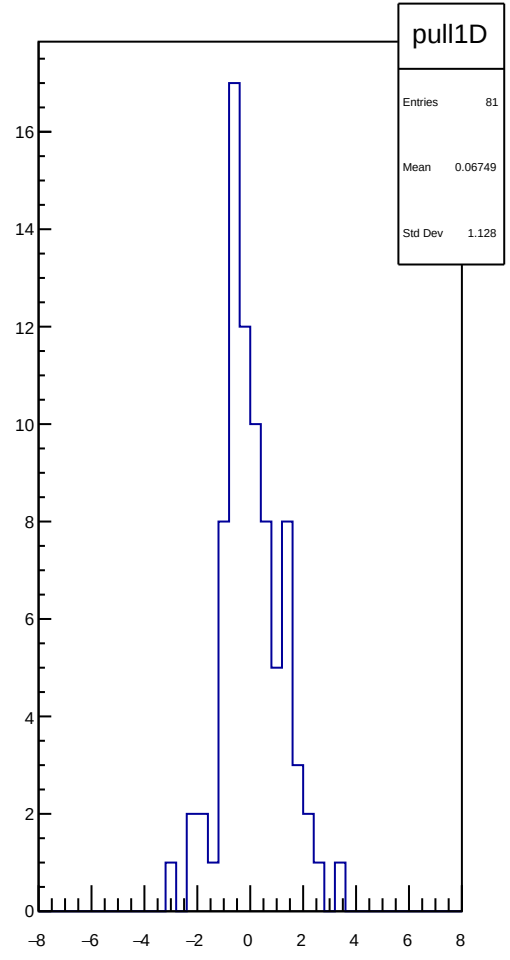

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 102.4 / 80
p0 7.258 ± 1.943
150
100
50
0
−50
pull
Entries 81
Mean −84.38
Std Dev 110
3
2
1
0
−1
−2
−3

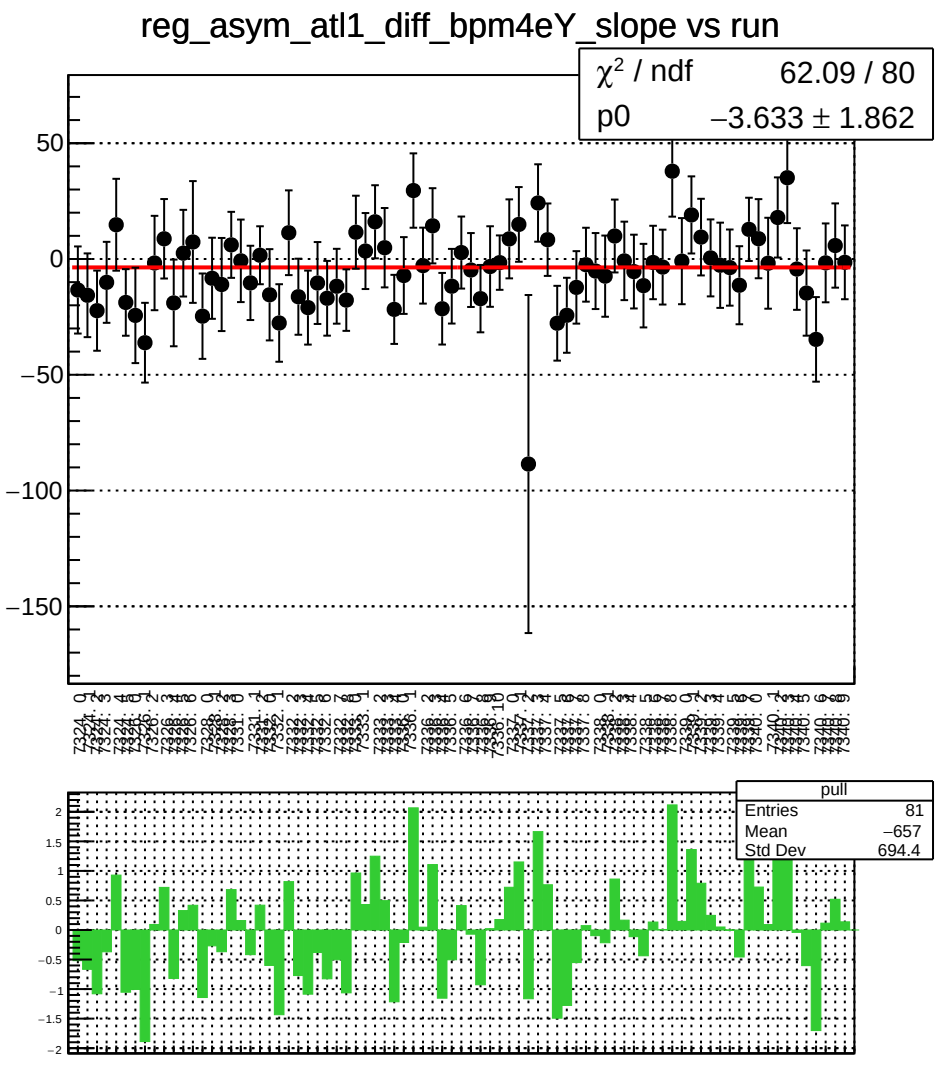

pull1D
Entries 81
Mean −0.06082
Std Dev 1.123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

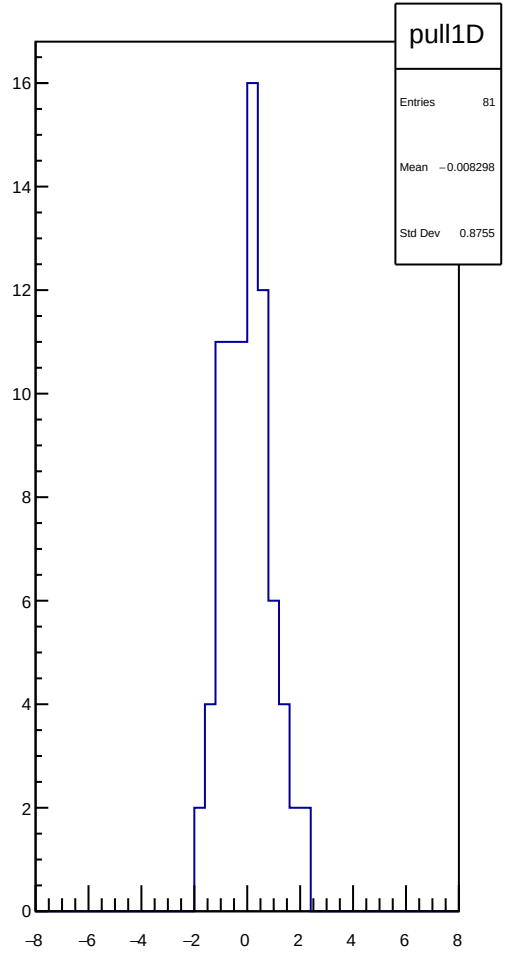

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 60.16 / 80
p0 −3.329 ± 1.768
150
100
50
0
−50
pull
Entries 81
Mean 2194
Std Dev 2157
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

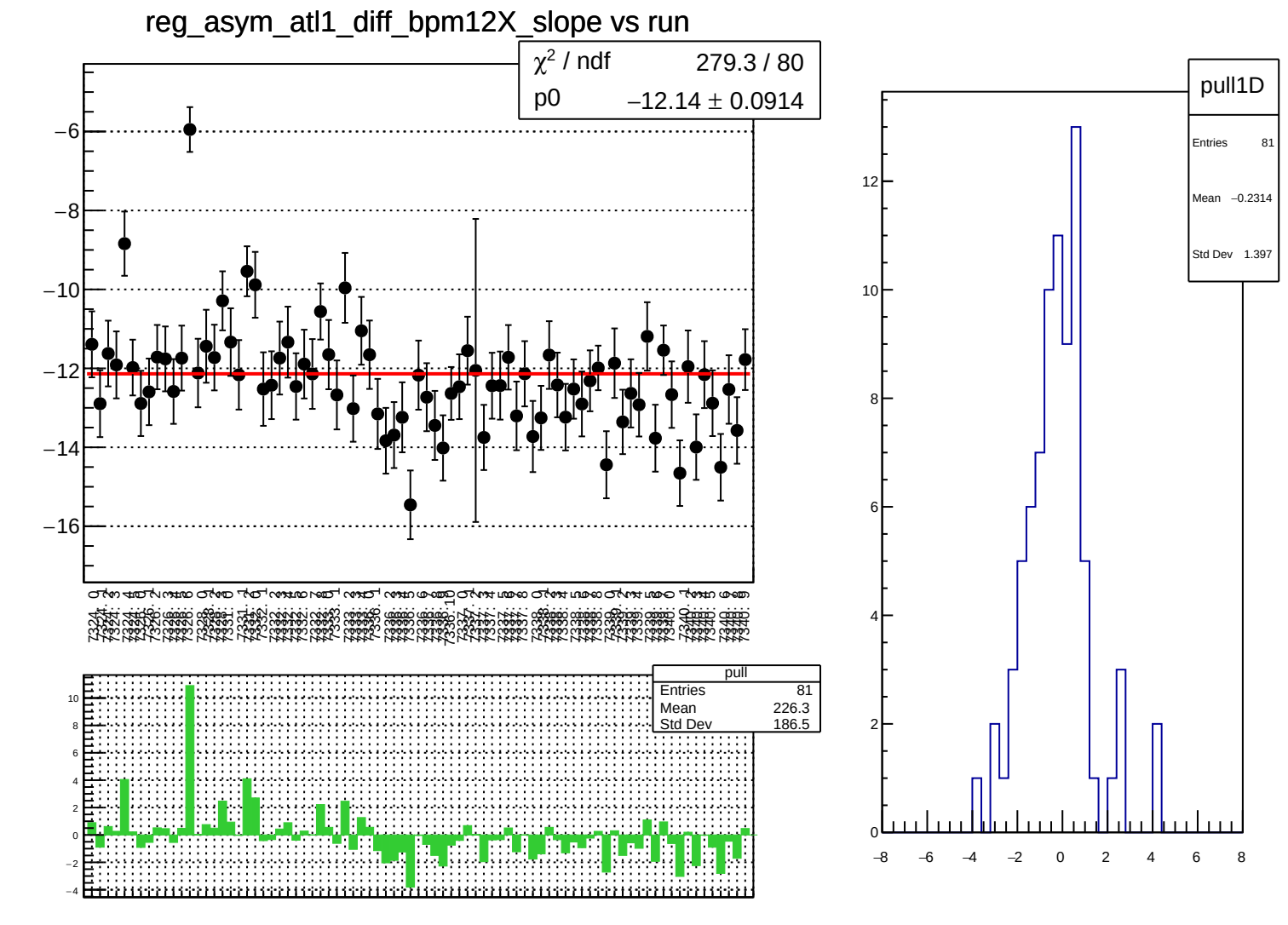

pull1D
Entries 81
Mean −0.002255
Std Dev 0.8618
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

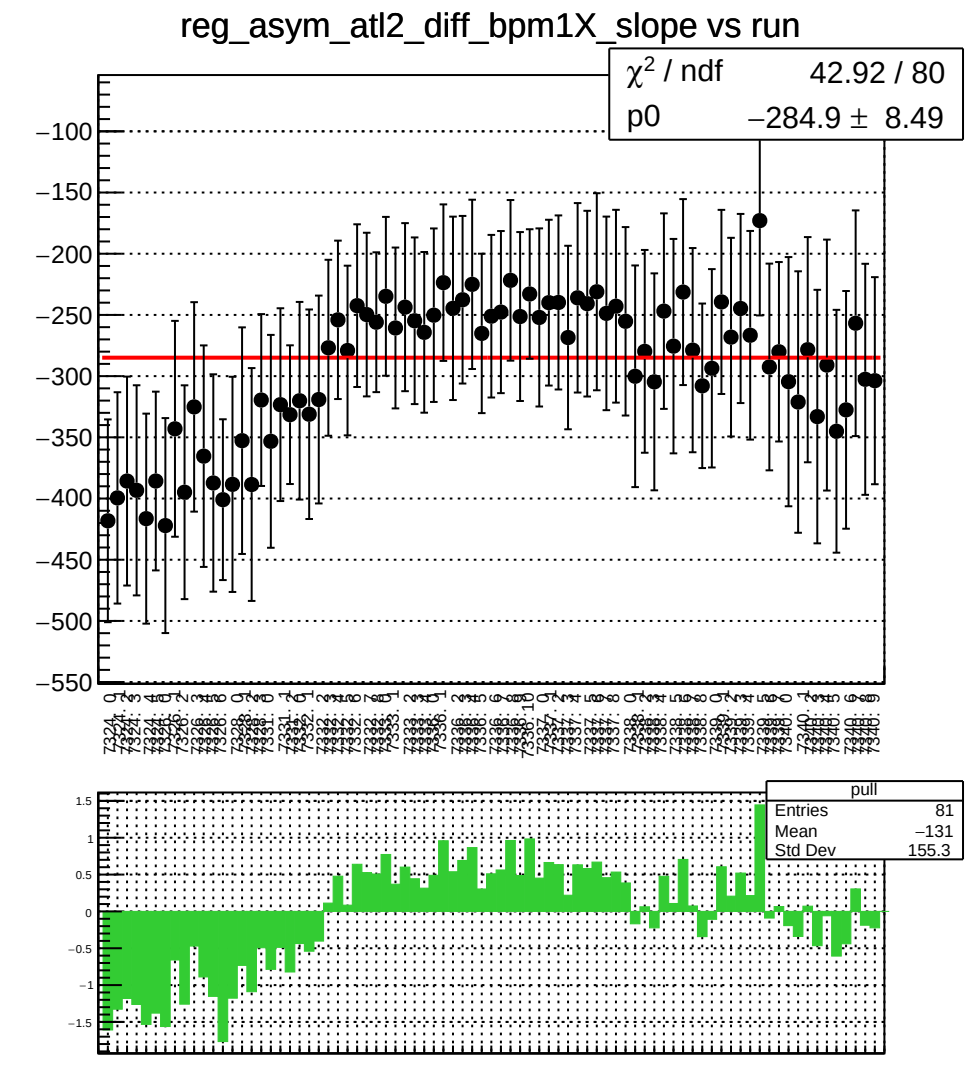

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 103.4 / 80
p0 27.46 ± 1.928
pull
Entries 81
Mean −81.24
Std Dev 107.4

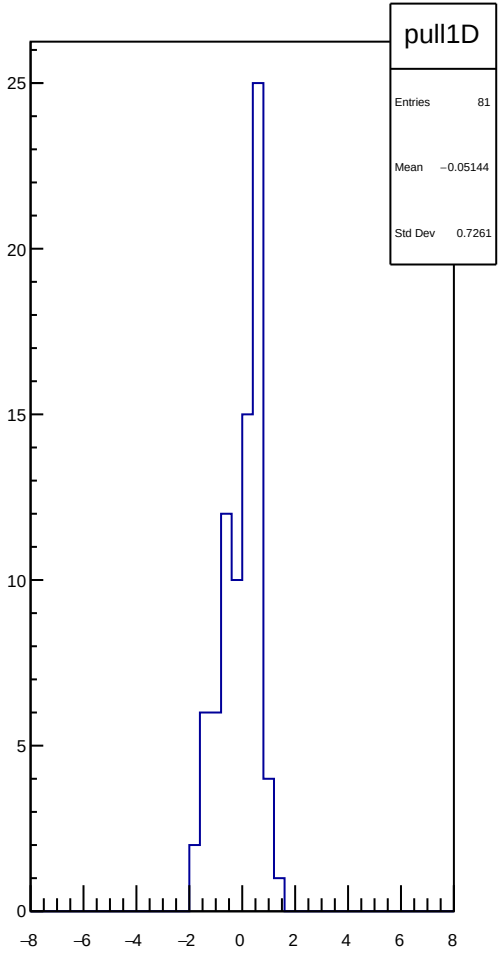

pull1D
Entries 81
Mean 0.06749
Std Dev 1.128

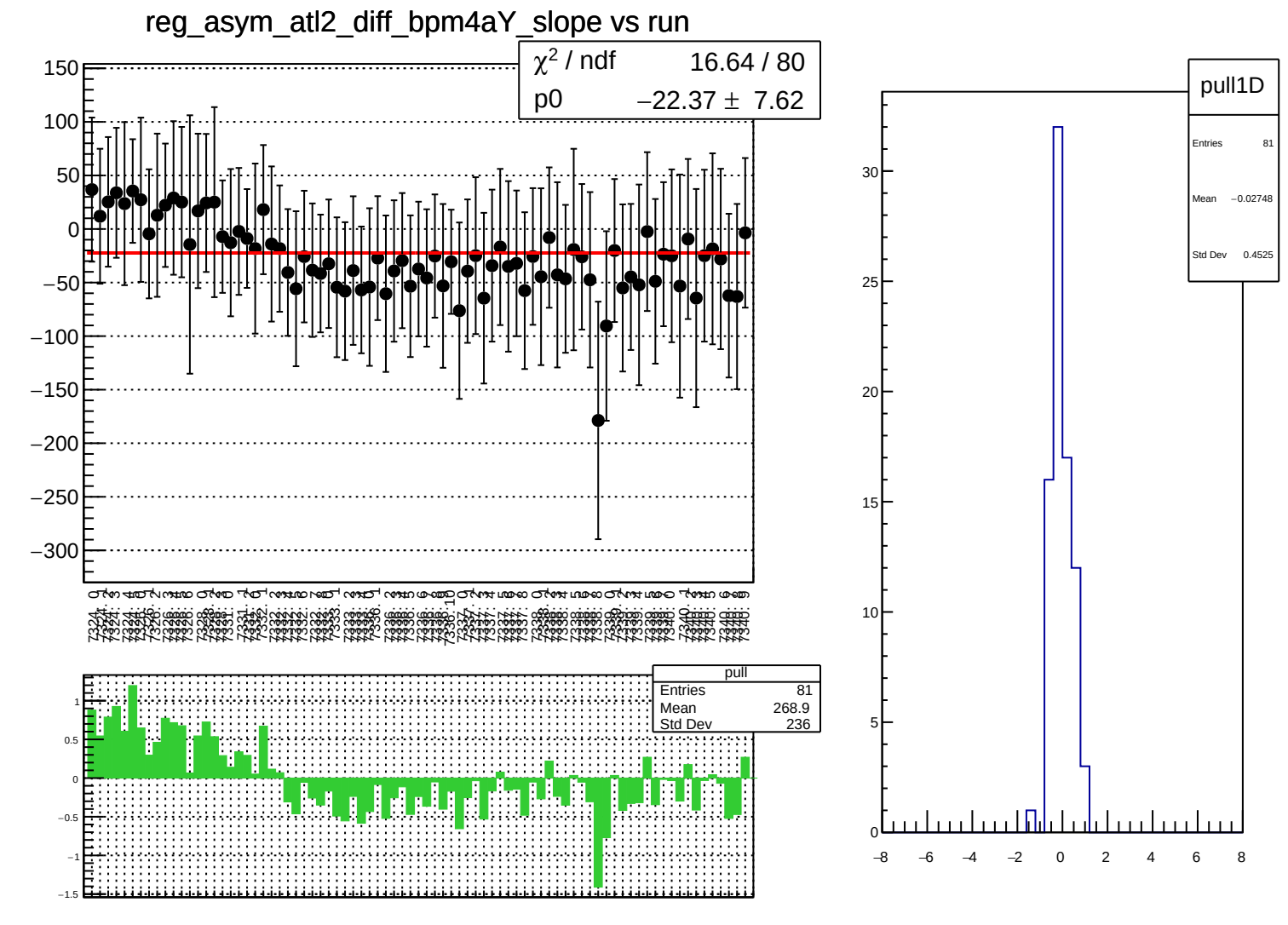

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 62.09 / 80
p0 −3.633 ± 1.862
pull
Entries 81
Mean −657
Std Dev 694.4

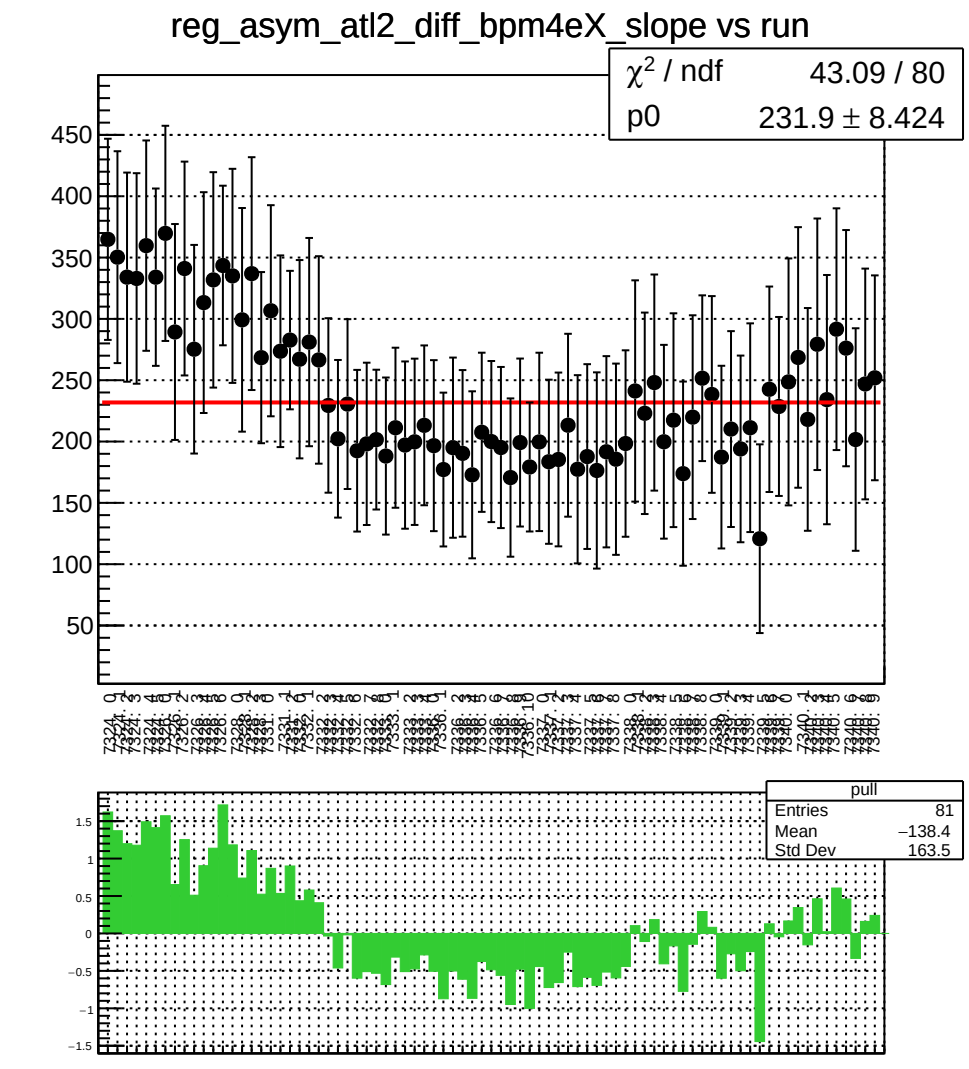

pull1D
Entries 81
Mean −0.008298
Std Dev 0.8755

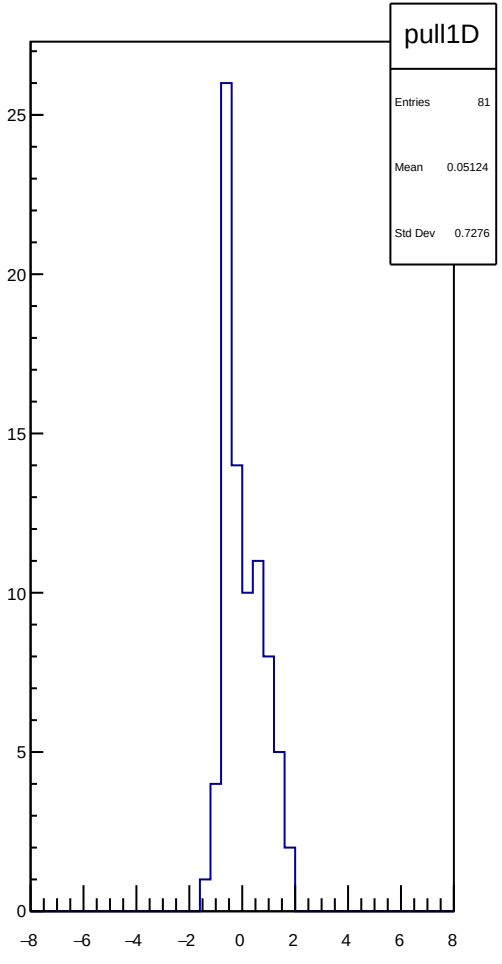

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 279.3 / 80
p0 −12.14 ± 0.0914
pull
Entries 81
Mean 226.3
Std Dev 186.5
pull1D
Entries 81
Mean −0.2314
Std Dev 1.397

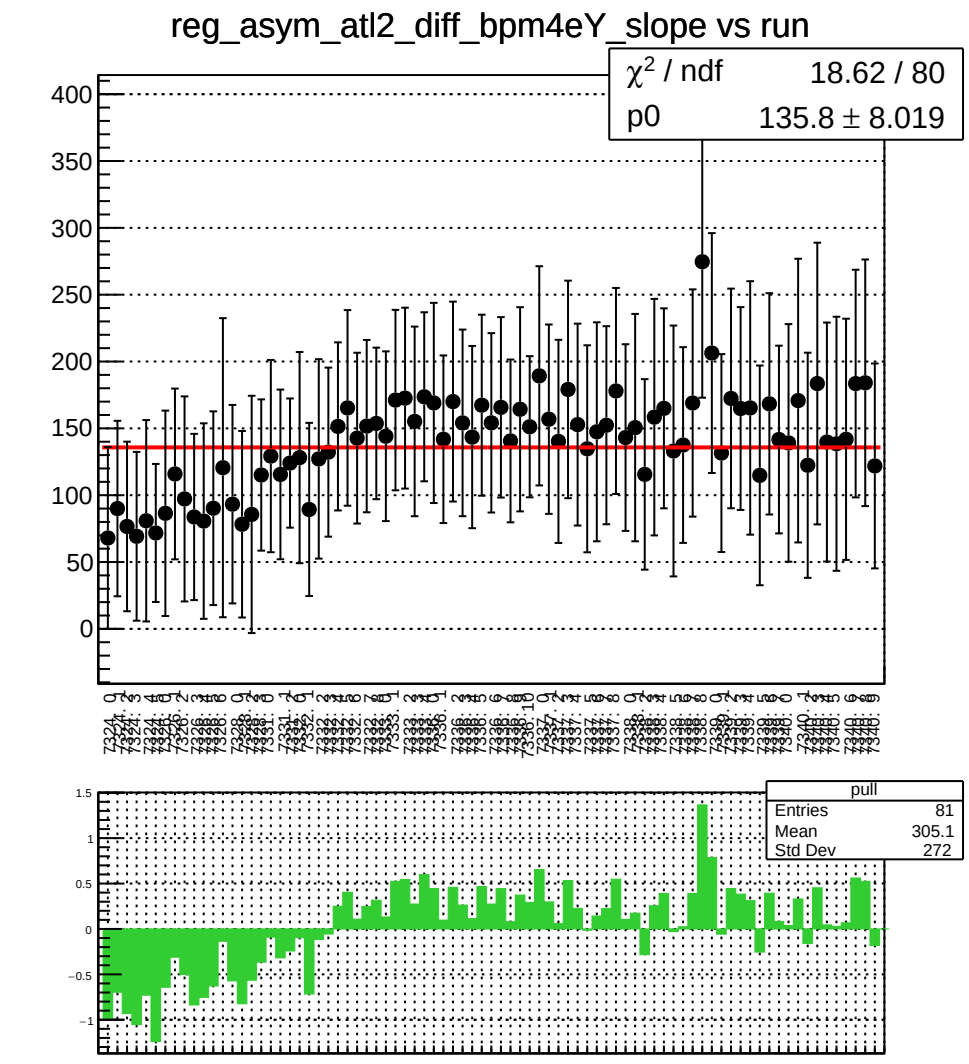

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 42.92 / 80
p0 −284.9 ± 8.49
pull
Entries 81
Mean −131
Std Dev 155.3

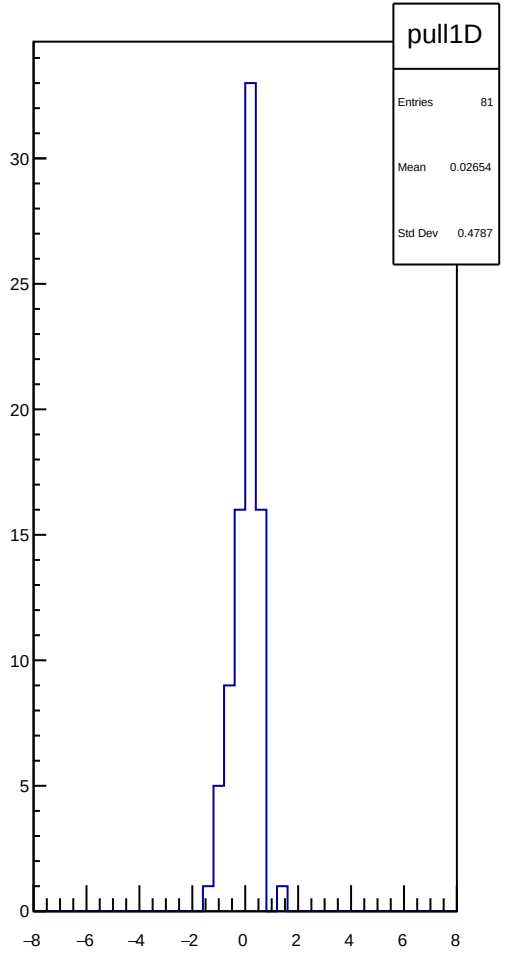

pull1D
Entries 81
Mean −0.05144
Std Dev 0.7261

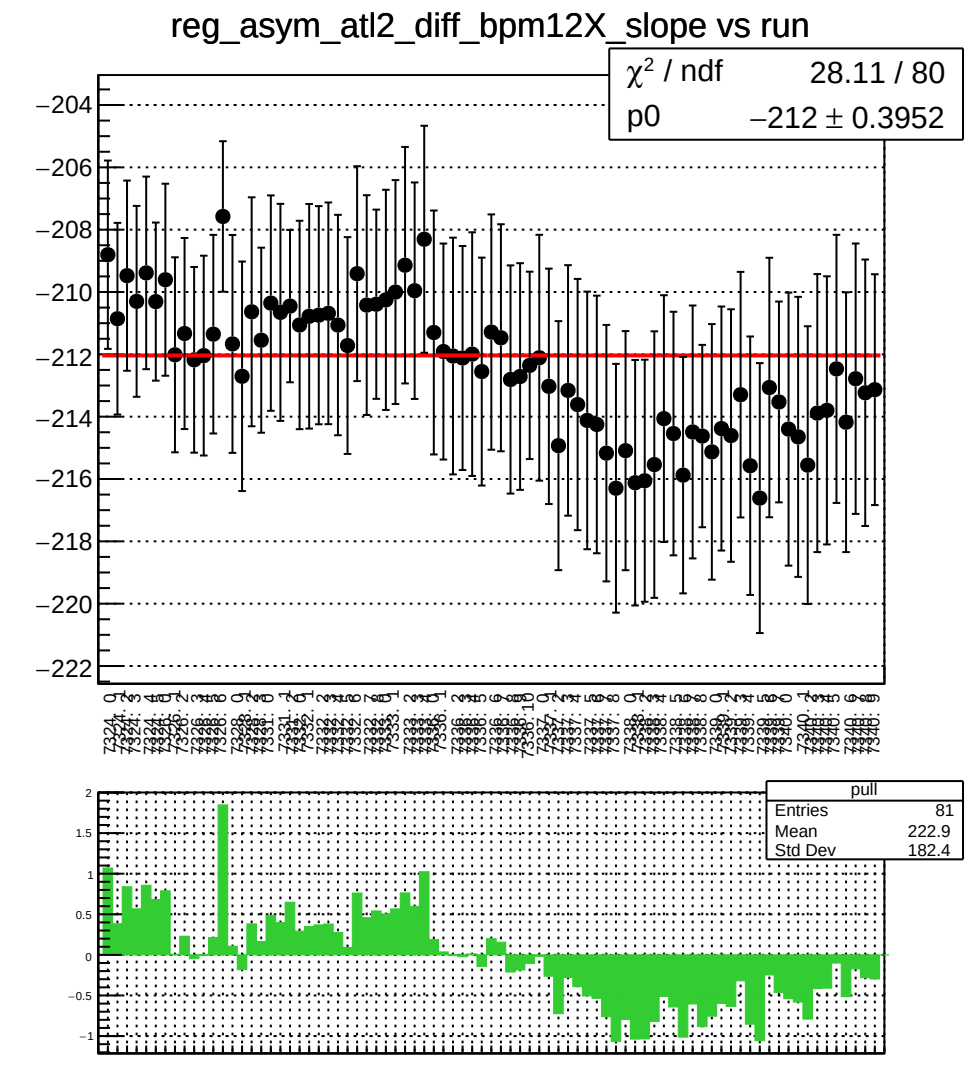

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 16.64 / 80
p0 −22.37 ± 7.62
pull
Entries 81
Mean 268.9
Std Dev 236
pull1D
Entries 81
Mean −0.02748
Std Dev 0.4525

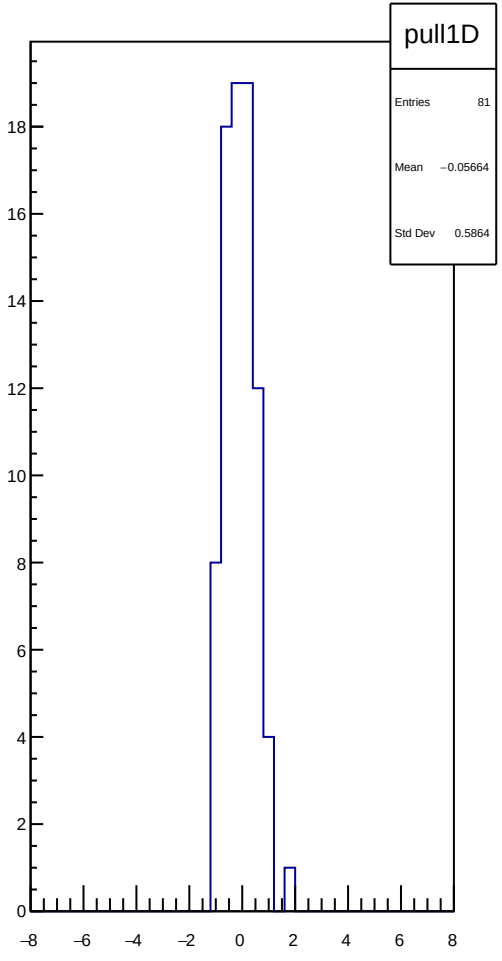

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 43.09 / 80
p0 231.9 ± 8.424
pull
Entries 81
Mean −138.4
Std Dev 163.5

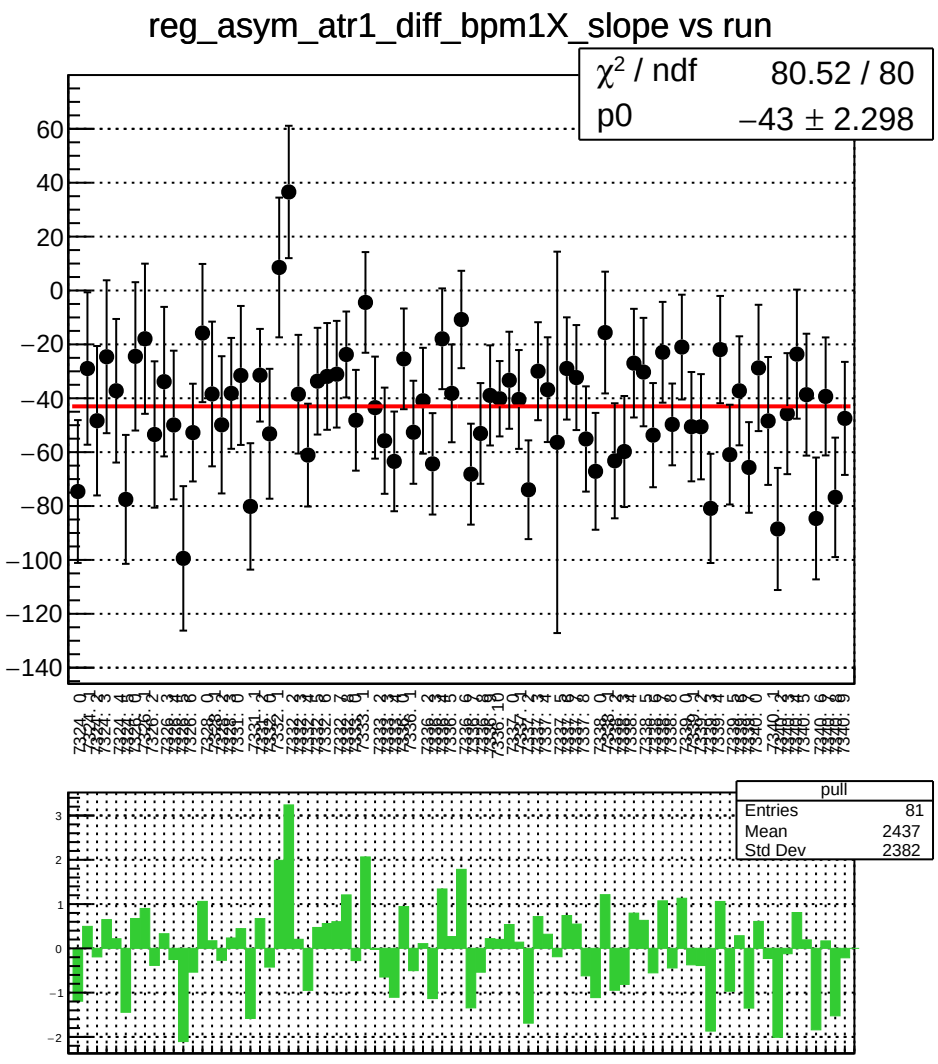

pull1D
Entries 81
Mean 0.05124
Std Dev 0.7276

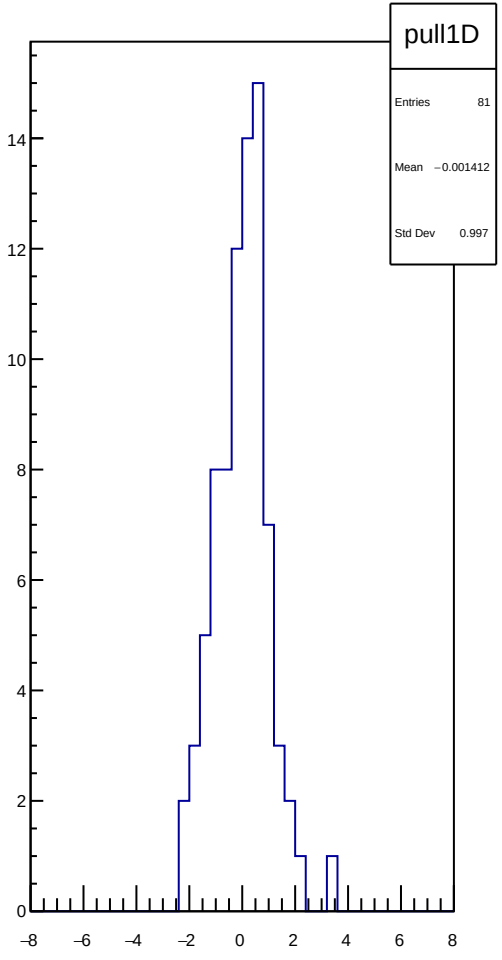

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 18.62 / 80
p0 135.8 ± 8.019
pull
Entries 81
Mean 305.1
Std Dev 272

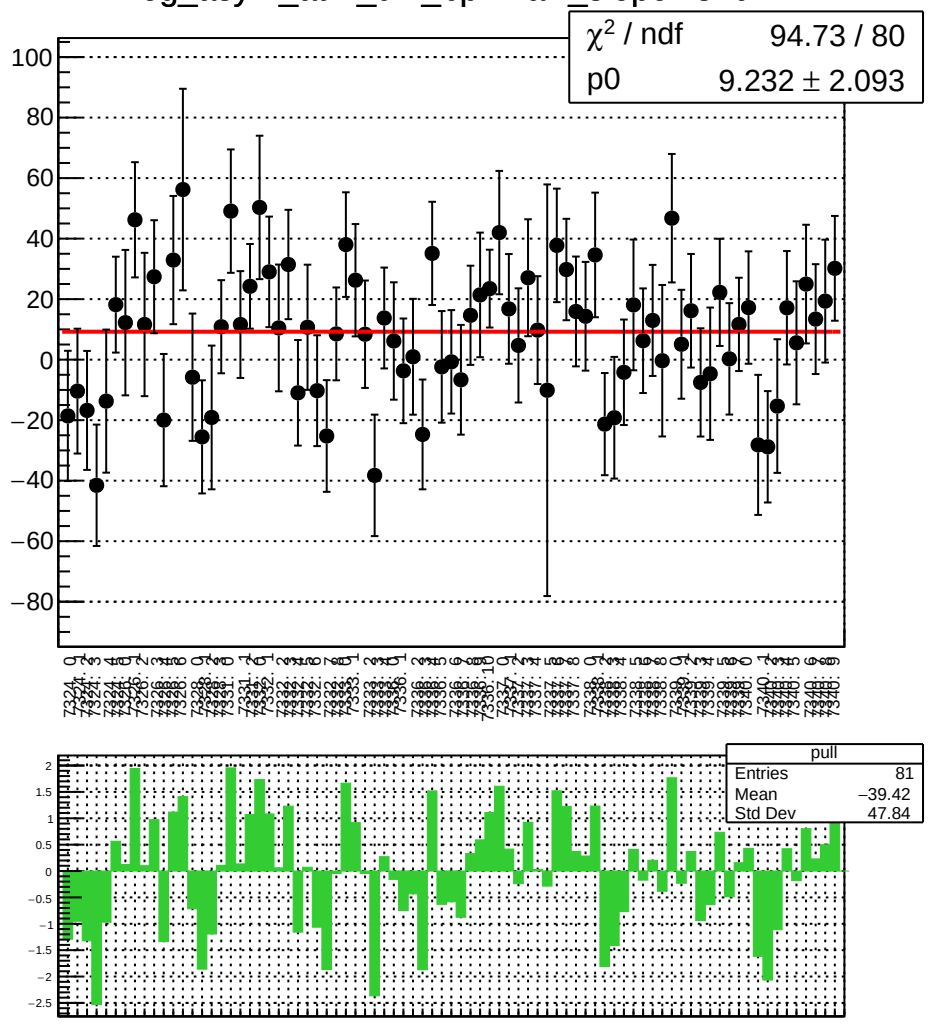

pull1D
Entries 81
Mean 0.02654
Std Dev 0.4787

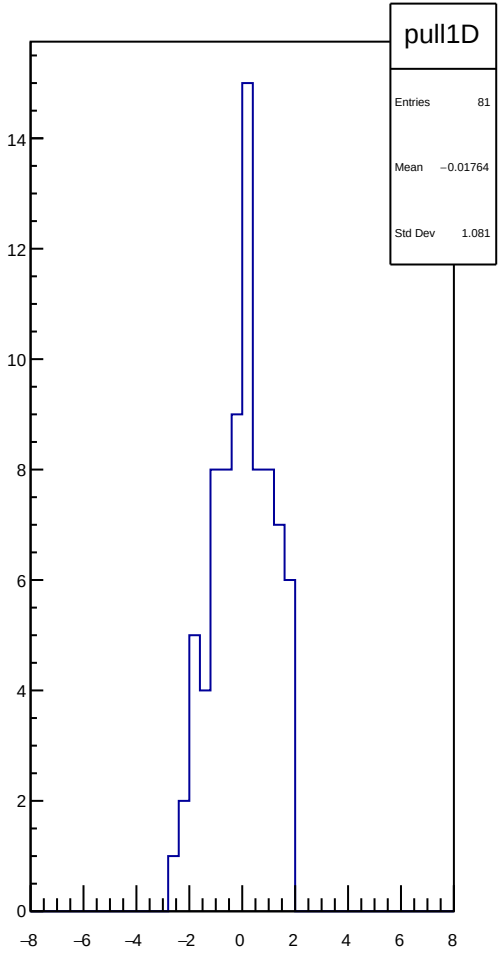

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 28.11 / 80
p0 −212 ± 0.3952
pull
Entries 81
Mean 222.9
Std Dev 182.4

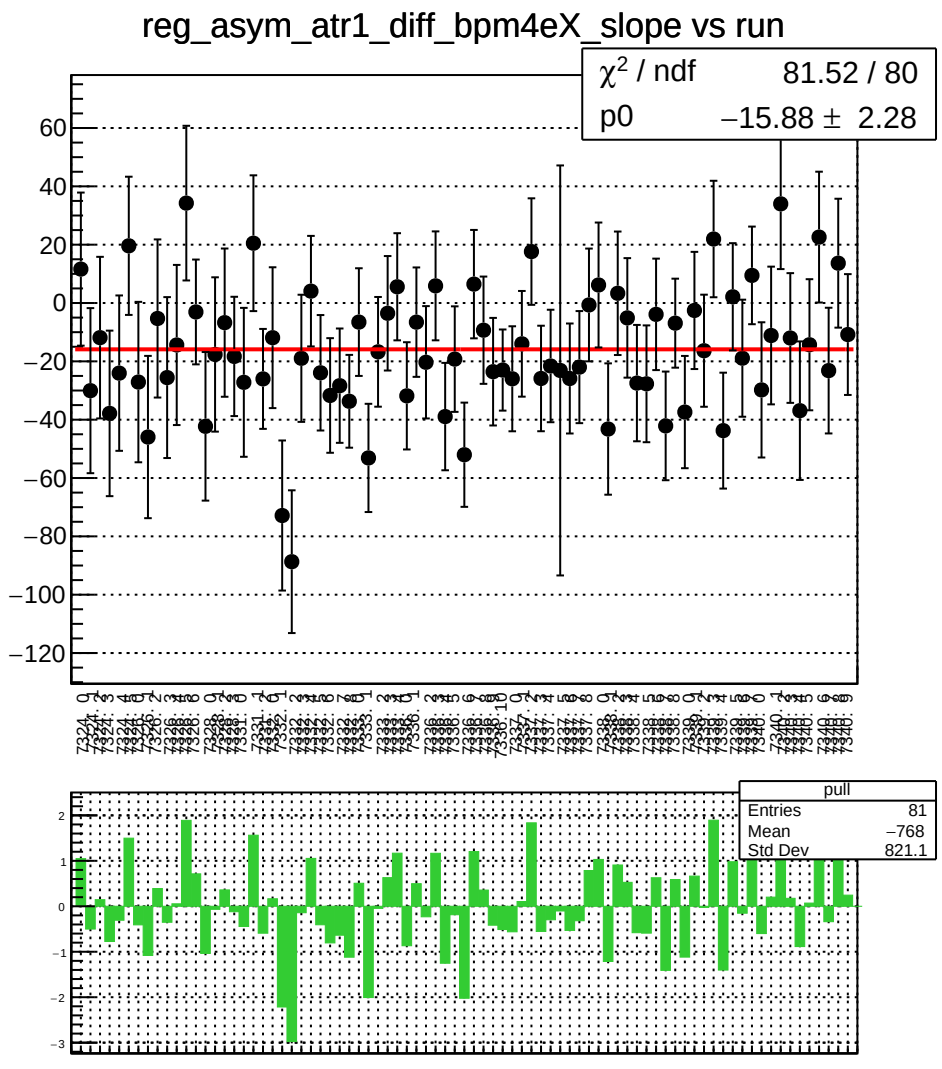

pull1D
Entries 81
Mean −0.05664
Std Dev 0.5864

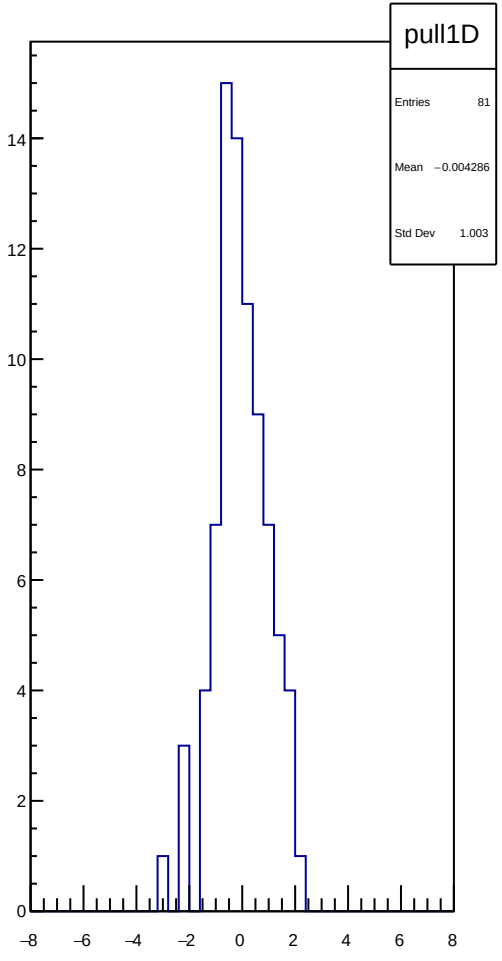

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 80.52 / 80
p0 −43 ± 2.298
pull
Entries 81
Mean 2437
Std Dev 2382

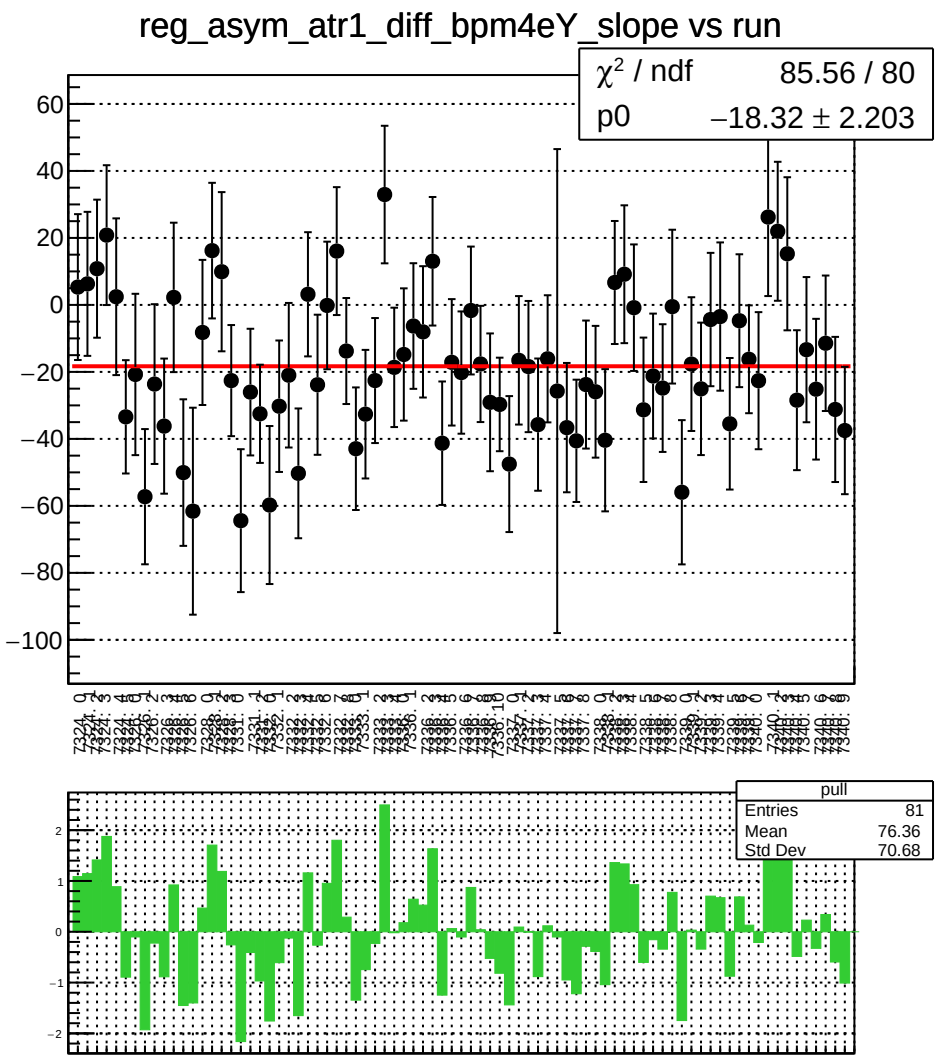

pull1D
Entries 81
Mean −0.001412
Std Dev 0.997

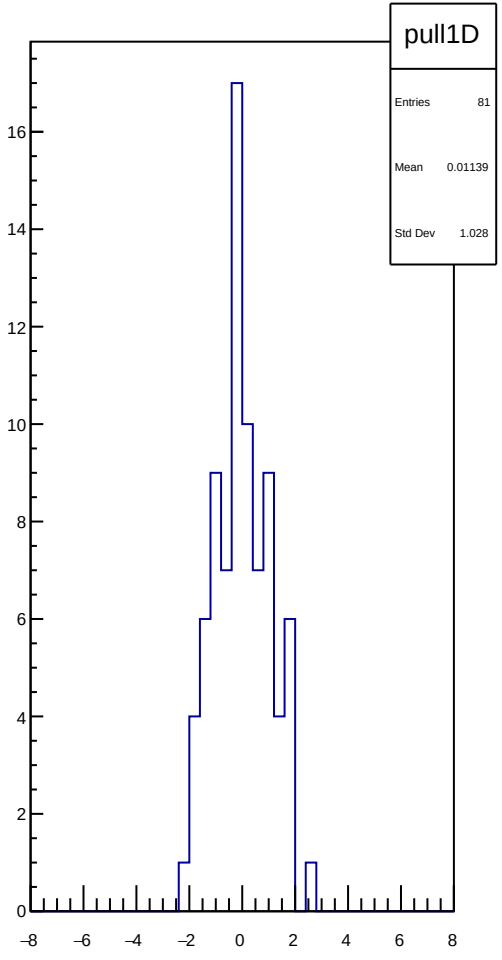

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 94.73 / 80
p0 9.232 ± 2.093
pull
Entries 81
Mean −39.42
Std Dev 47.84

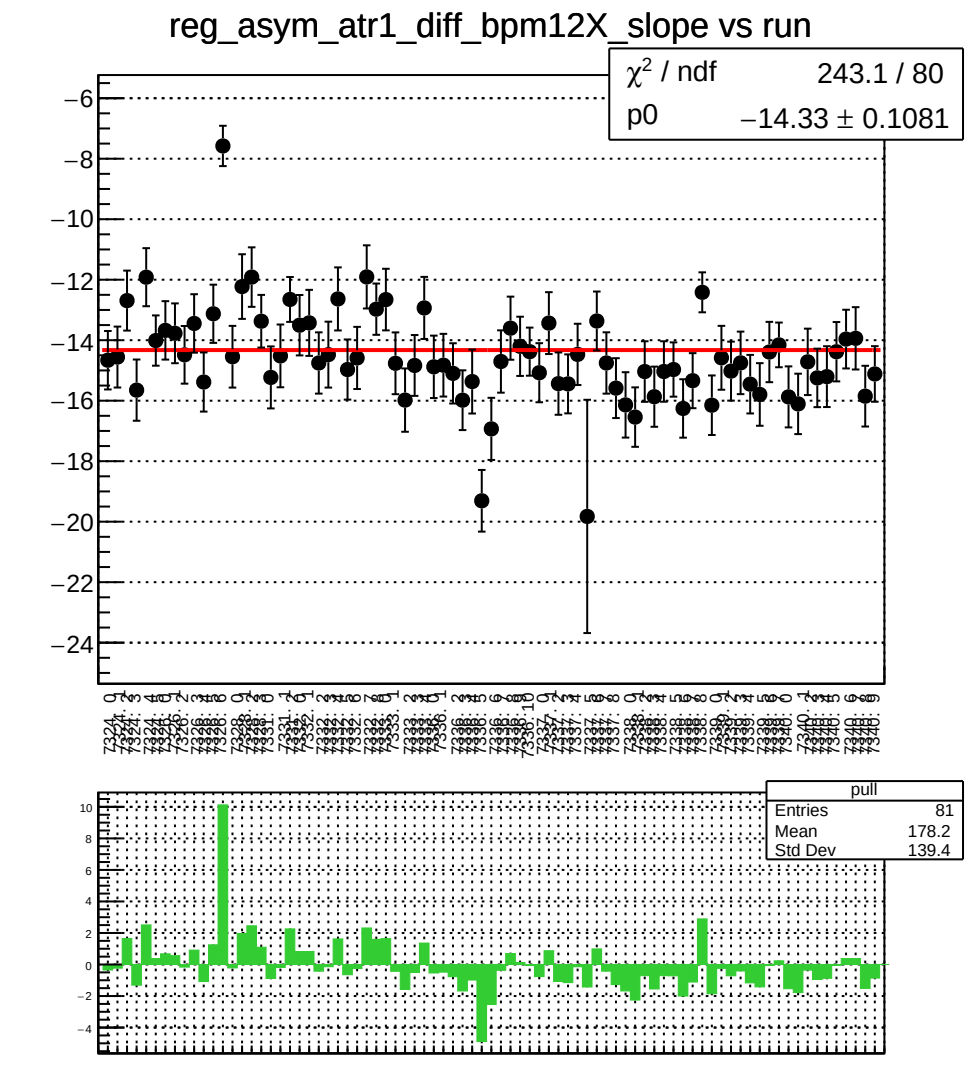

pull1D
Entries 81
Mean −0.01764
Std Dev 1.081

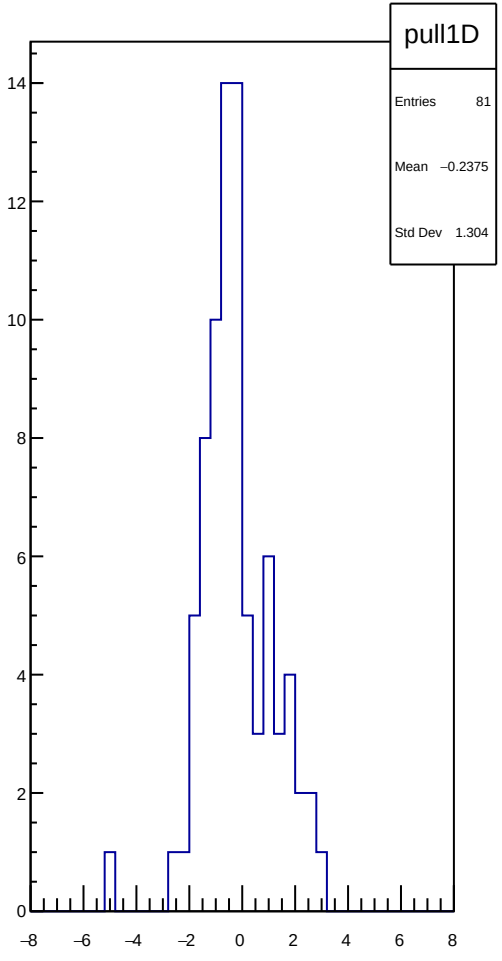

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 81.52 / 80
p0 −15.88 ± 2.28
pull
Entries 81
Mean −768
Std Dev 821.1

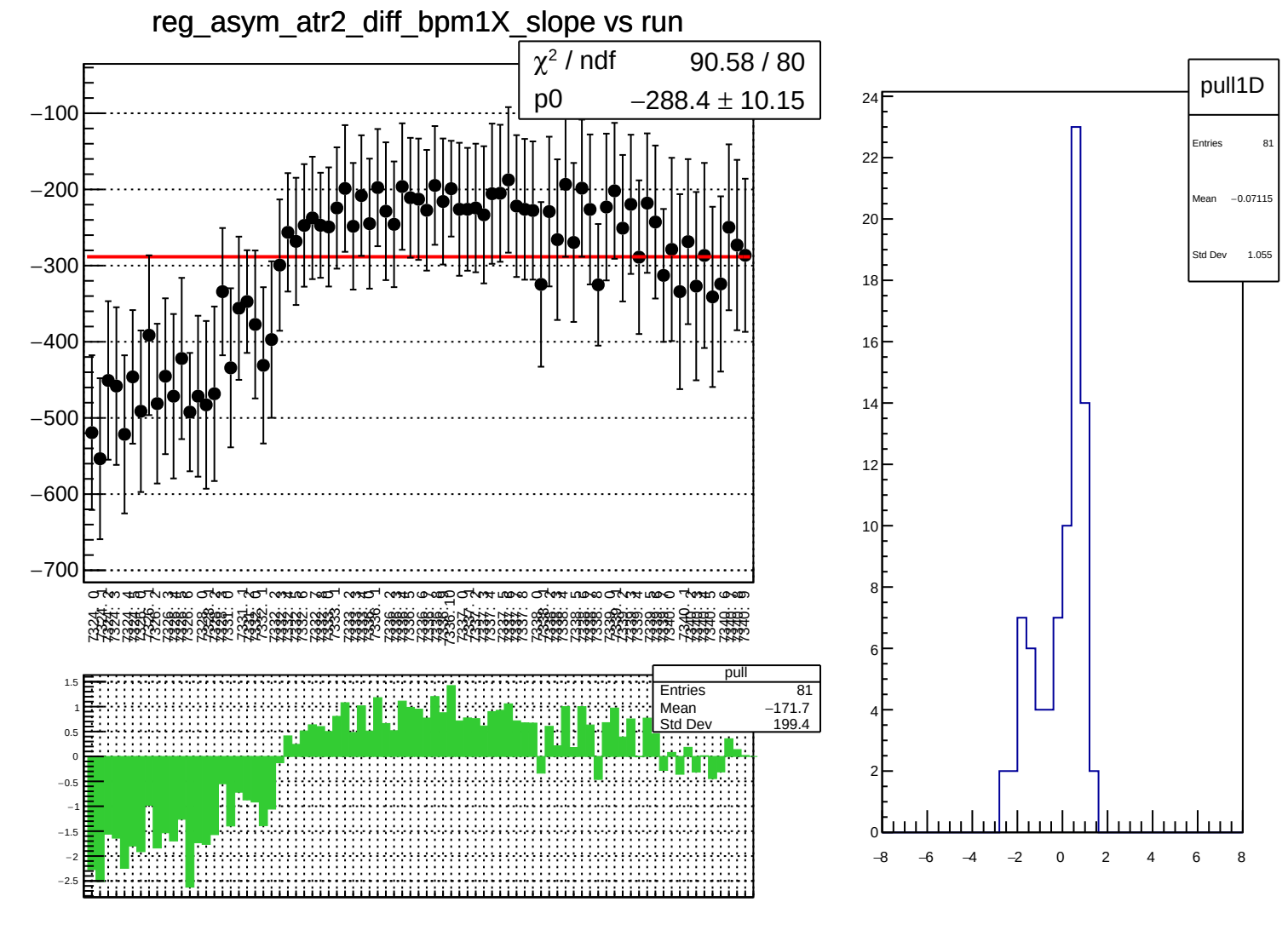

pull1D
Entries 81
Mean −0.004286
Std Dev 1.003

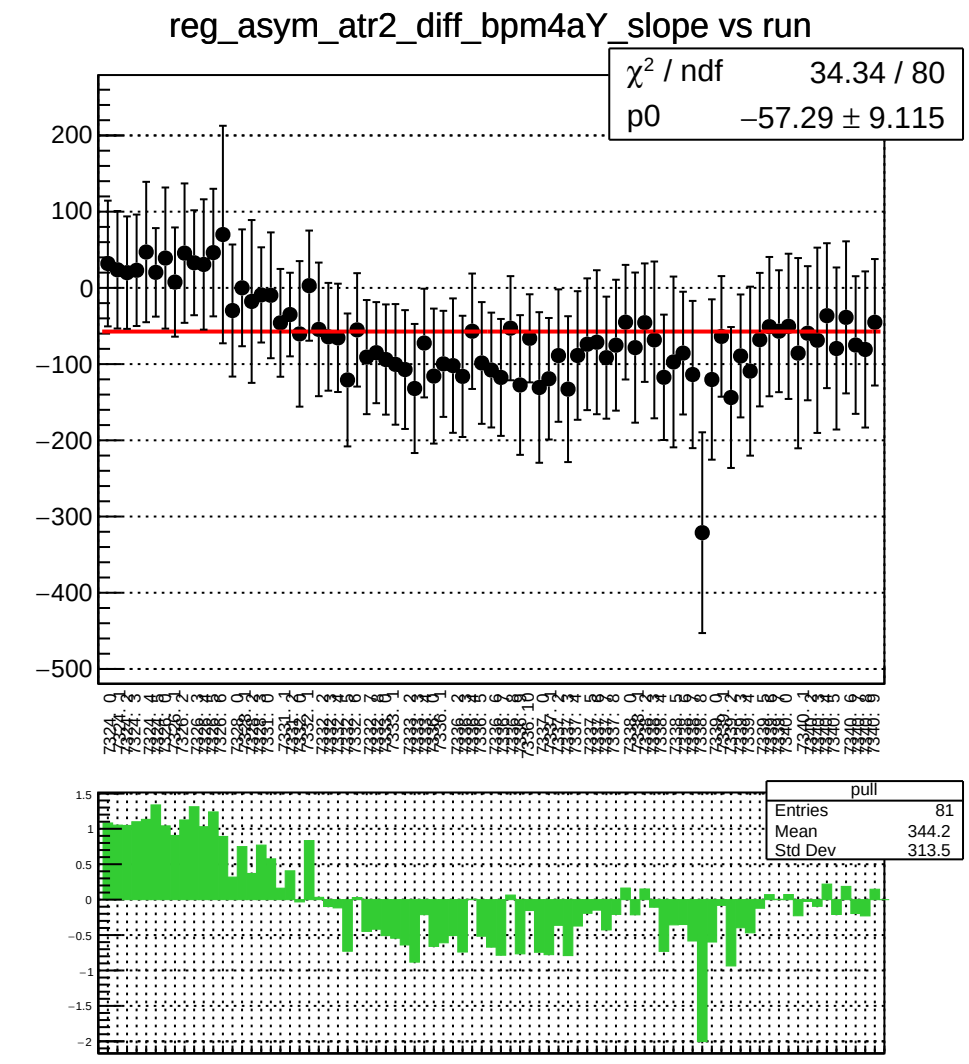

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 85.56 / 80
p0 −18.32 ± 2.203
pull
Entries 81
Mean 76.36
Std Dev 70.68

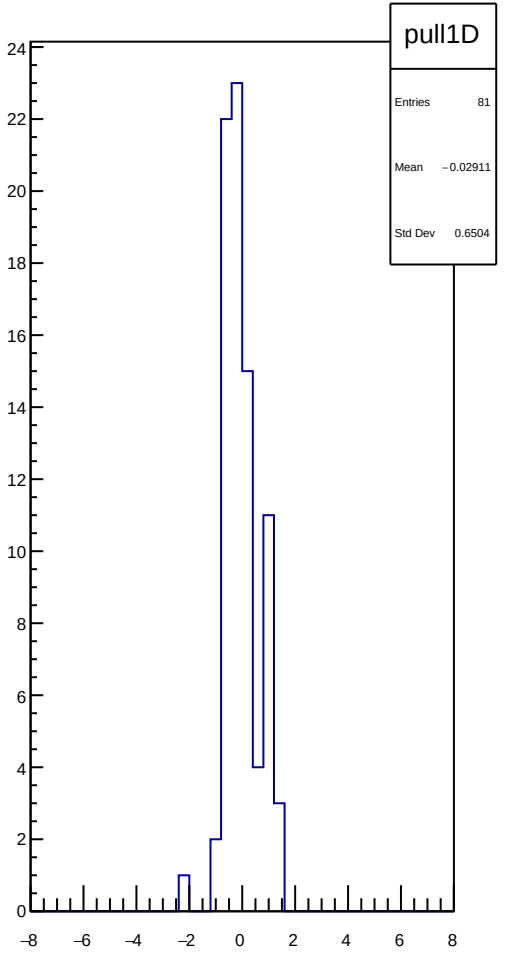

pull1D
Entries 81
Mean 0.01139
Std Dev 1.028

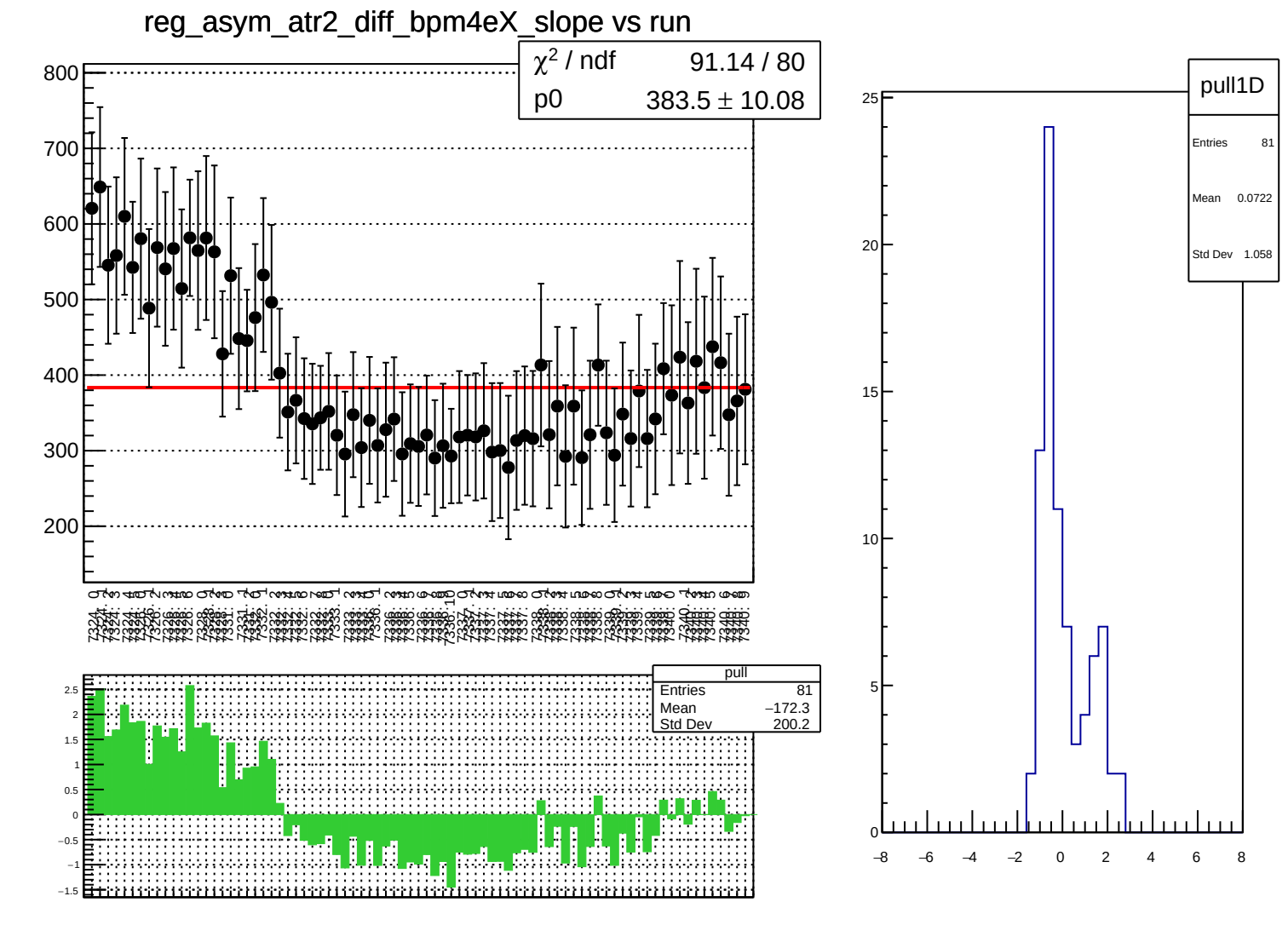

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 243.1 / 80
p0 −14.33 ± 0.1081
pull
Entries 81
Mean 178.2
Std Dev 139.4

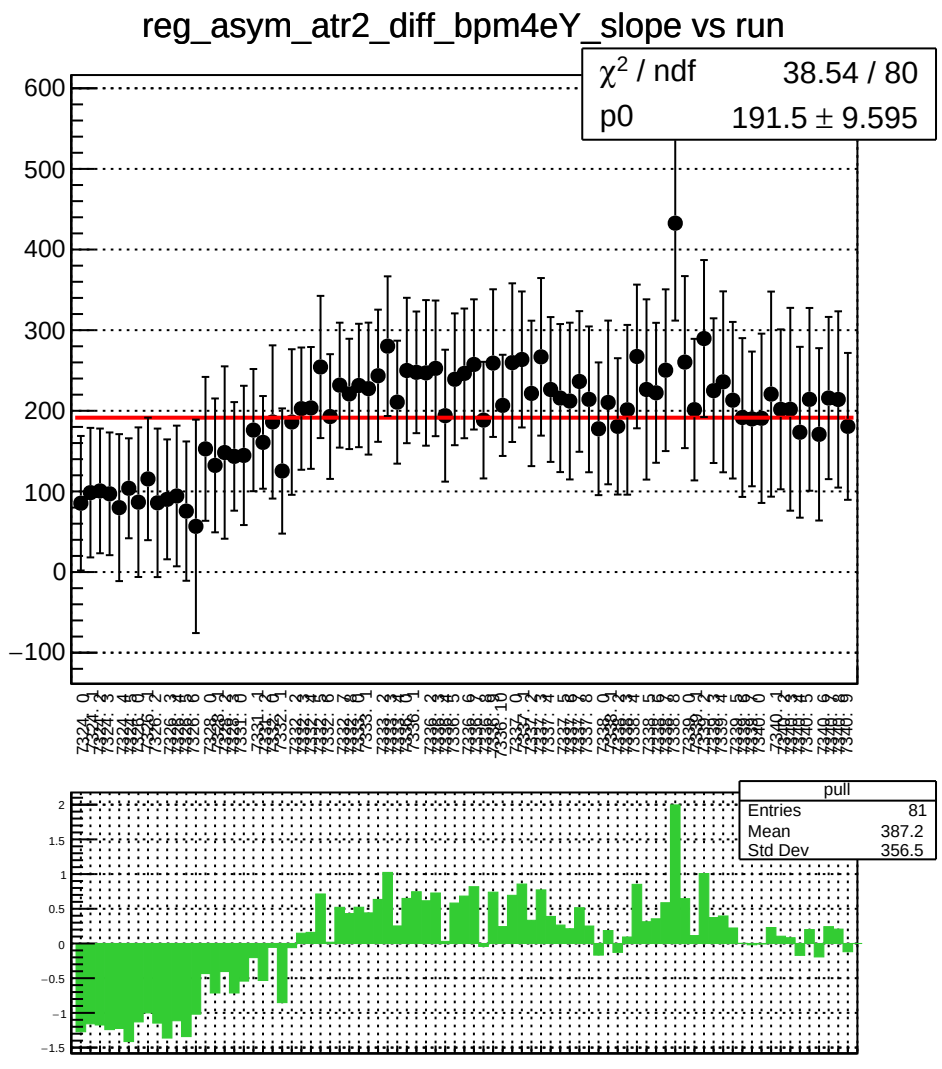

pull1D
Entries 81
Mean −0.2375
Std Dev 1.304

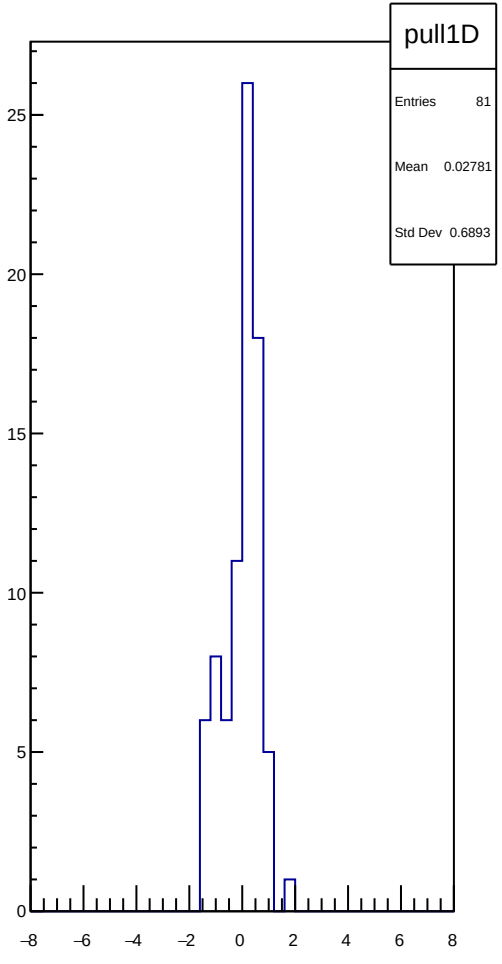

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 90.58 / 80
p0 −288.4 ± 10.15
pull
Entries 81
Mean −171.7
Std Dev 199.4
pull1D
Entries 81
Mean −0.07115
Std Dev 1.055

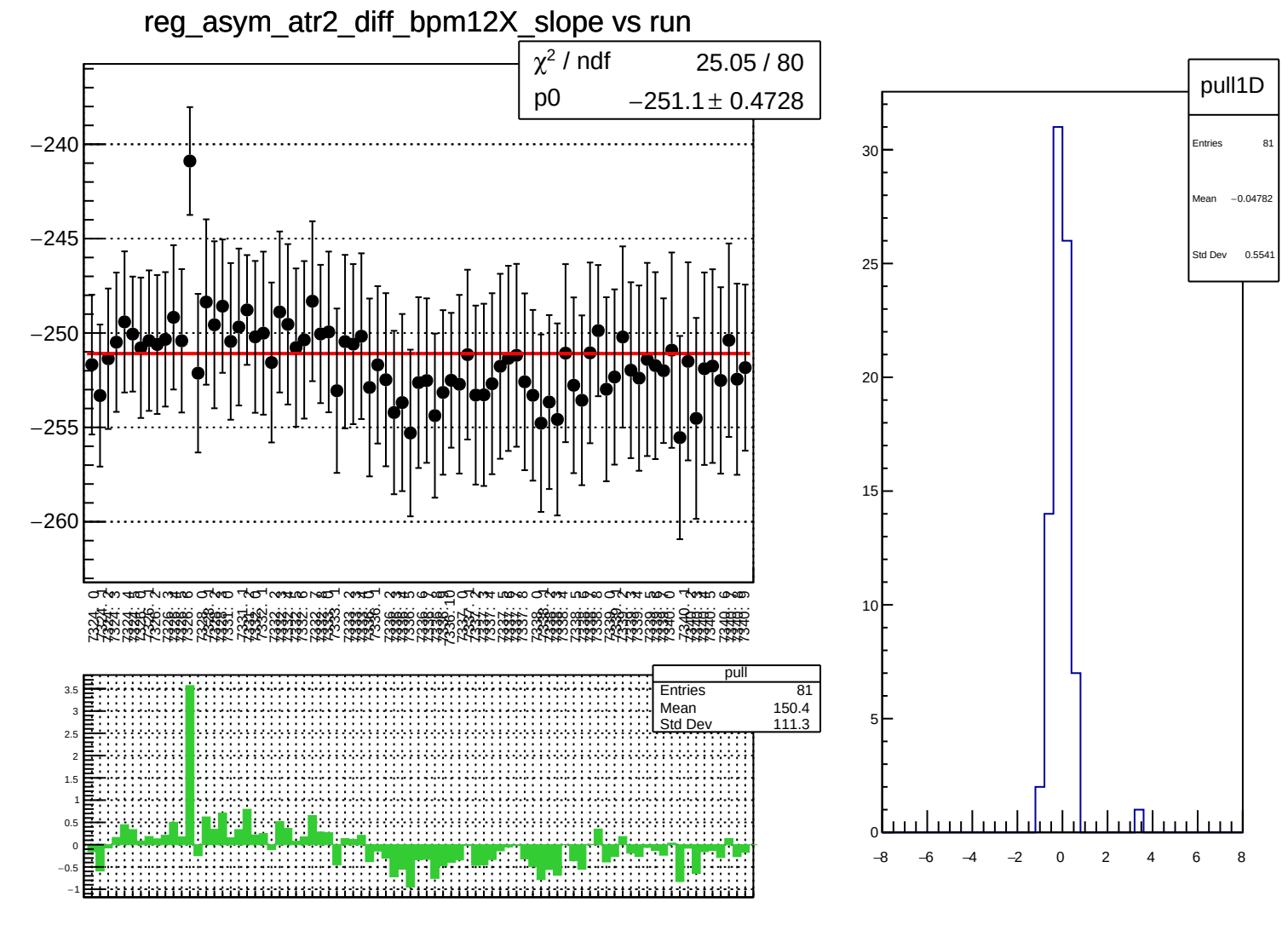

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 34.34 / 80
p0 −57.29 ± 9.115
pull
Entries 81
Mean 344.2
Std Dev 313.5

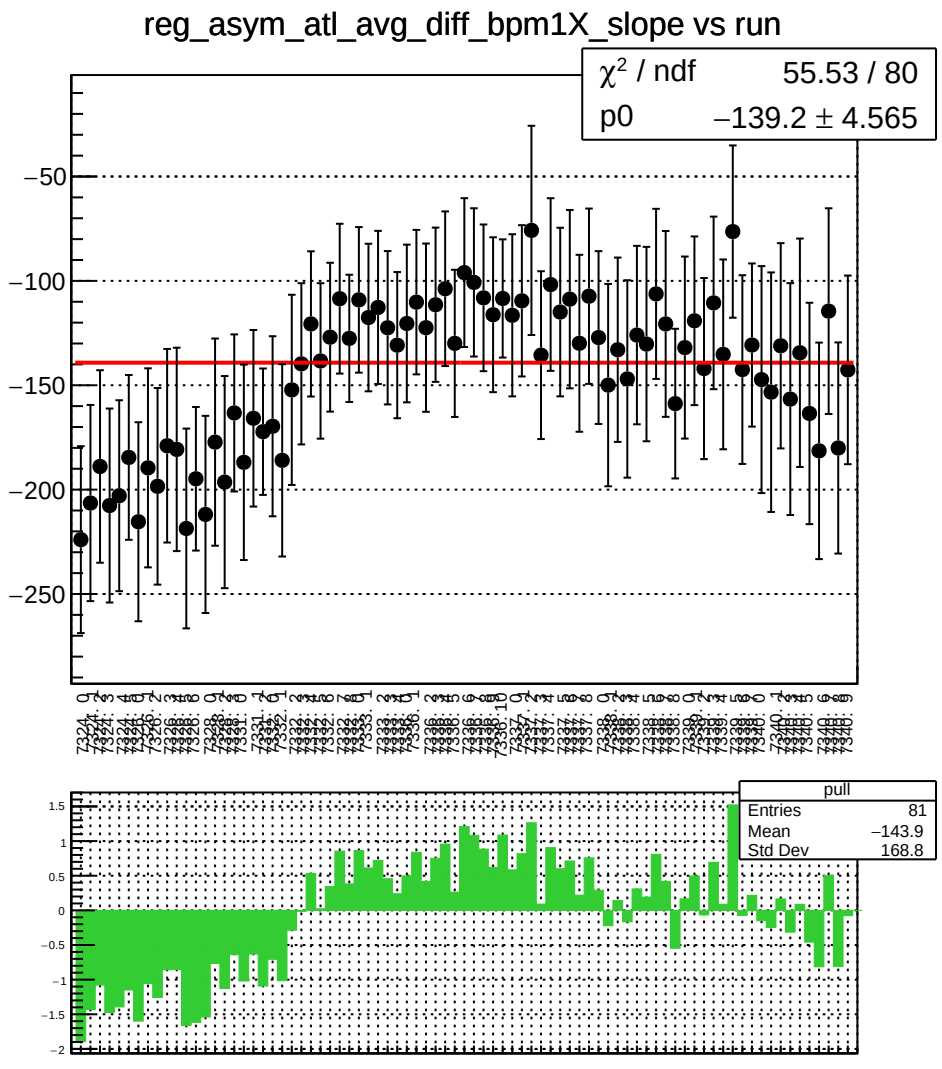

pull1D
Entries 81
Mean −0.02911
Std Dev 0.6504

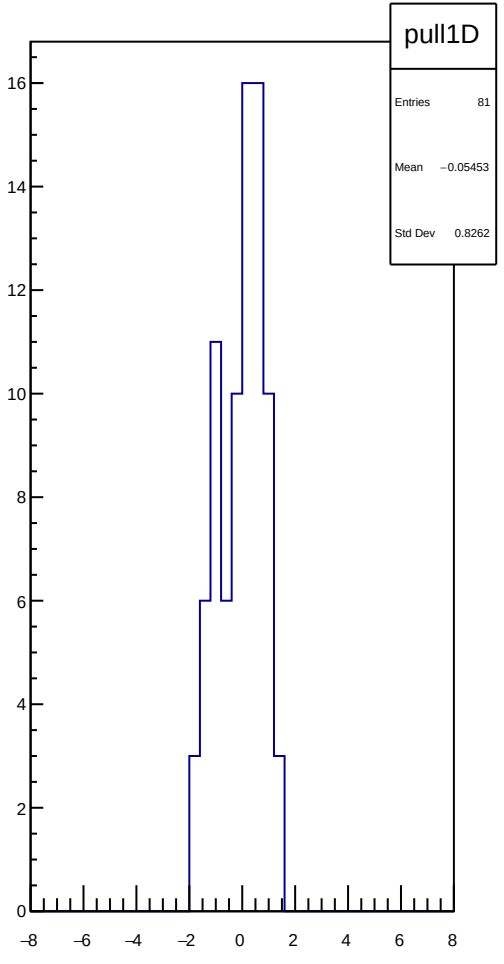

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 91.14 / 80
p0 383.5 ± 10.08
pull
Entries 81
Mean −172.3
Std Dev 200.2
pull1D
Entries 81
Mean 0.0722
Std Dev 1.058

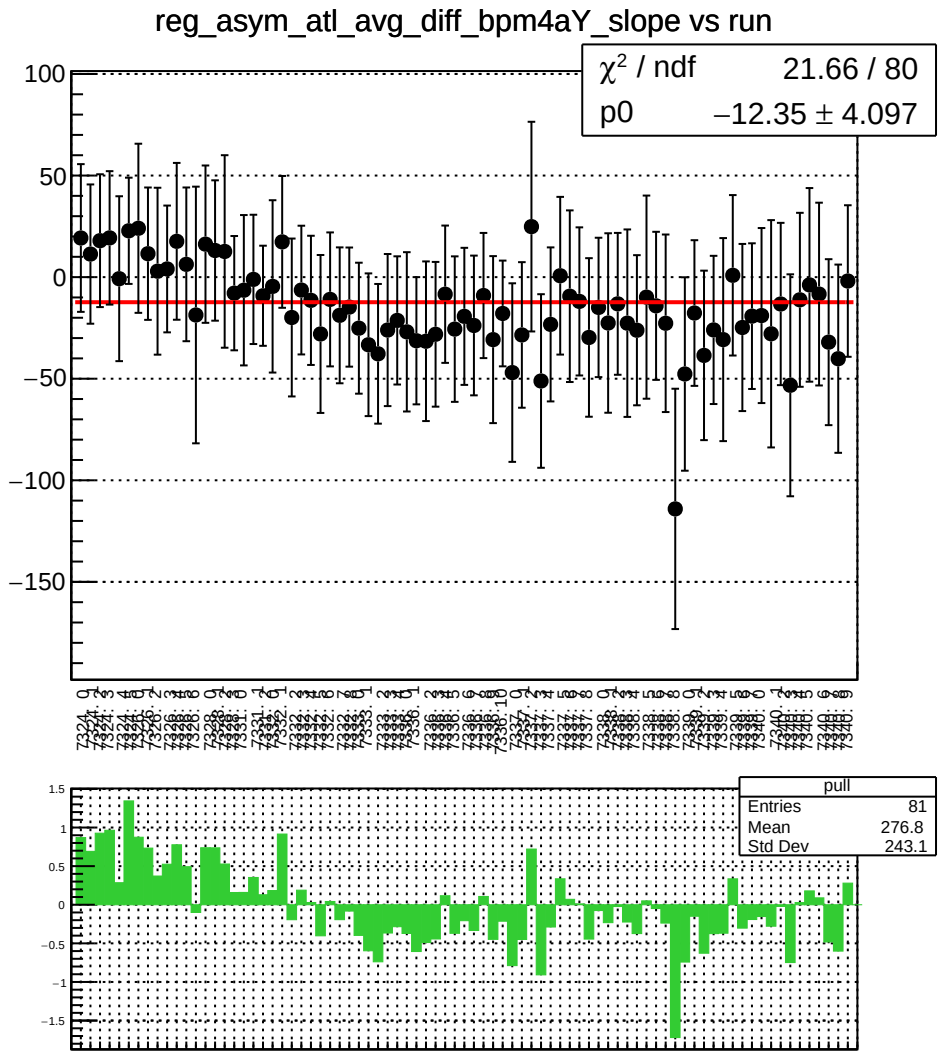

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 38.54 / 80
p0 191.5 ± 9.595
pull
Entries 81
Mean 387.2
Std Dev 356.5

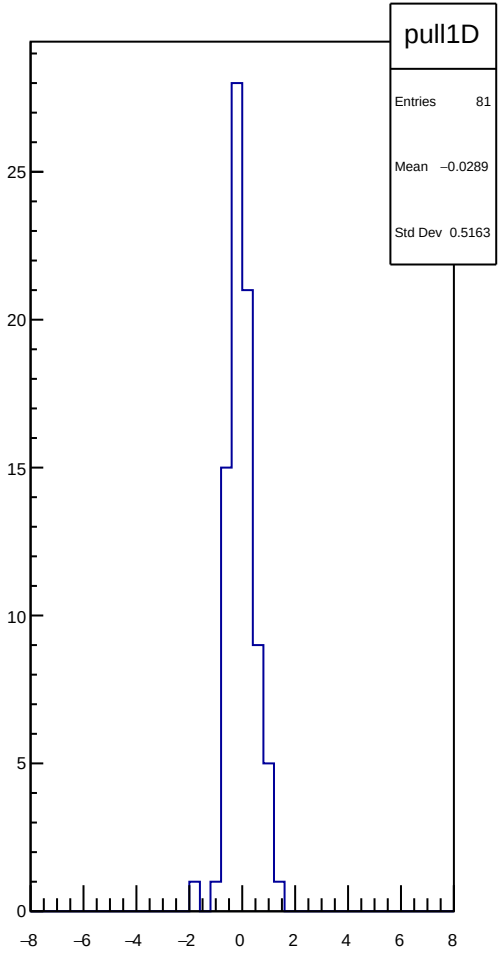

pull1D
Entries 81
Mean 0.02781
Std Dev 0.6893

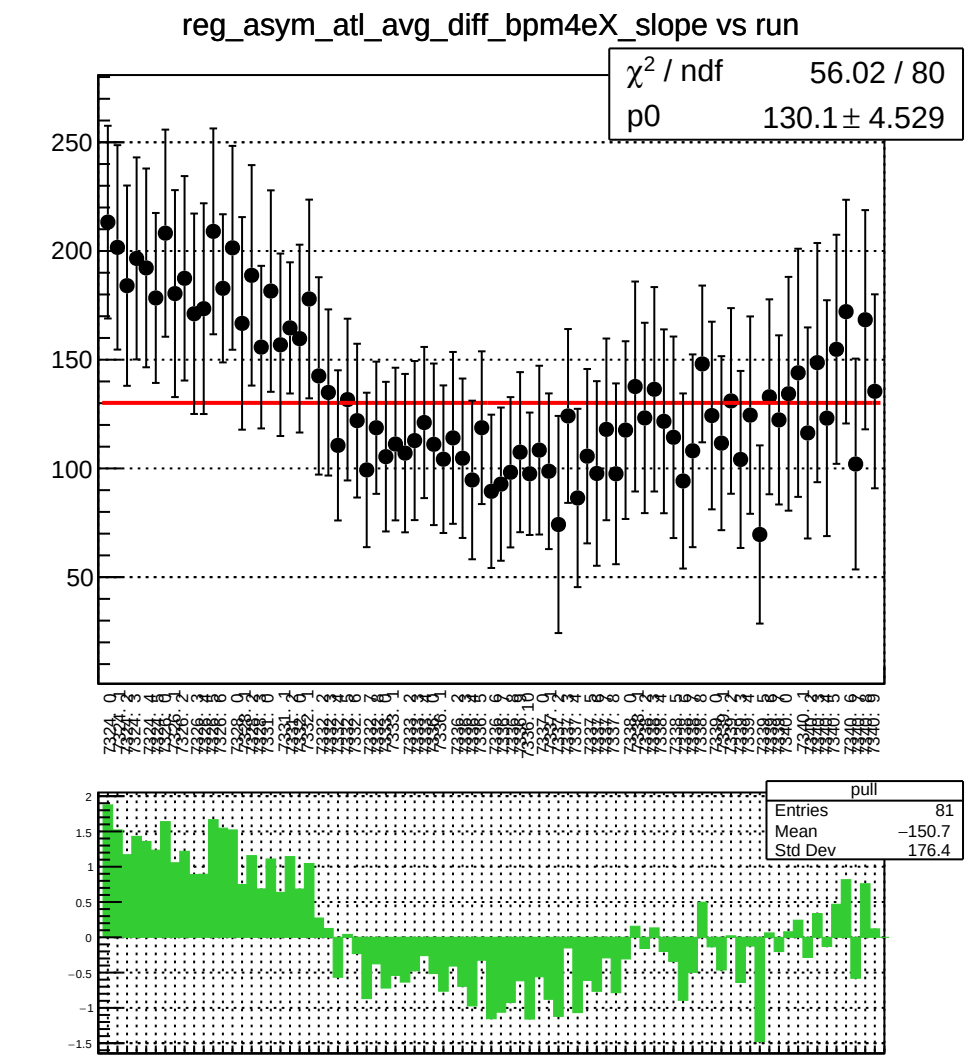

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 25.05 / 80
p0 −251.1 ± 0.4728
pull
Entries 81
Mean 150.4
Std Dev 111.3
pull1D
Entries 81
Mean −0.04782
Std Dev 0.5541

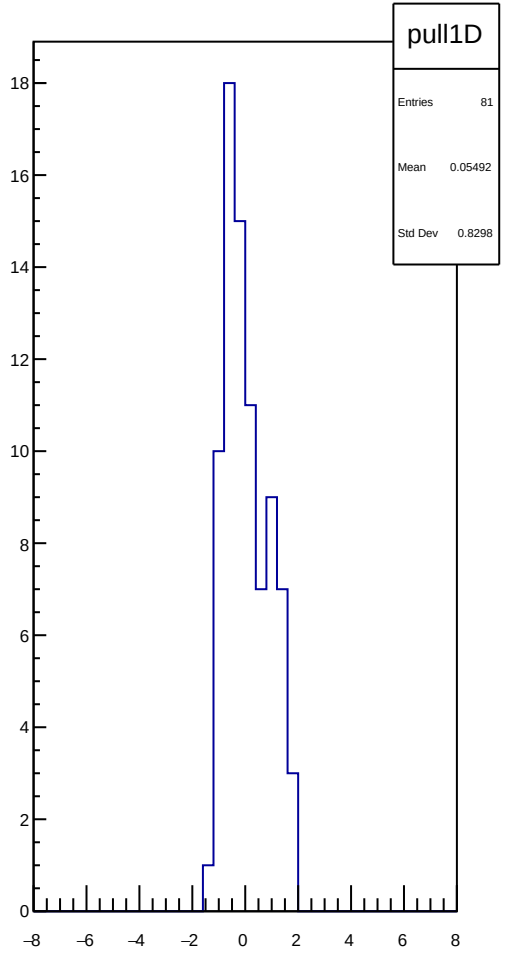

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 55.53 / 80
p0 −139.2 ± 4.565
pull
Entries 81
Mean −143.9
Std Dev 168.8

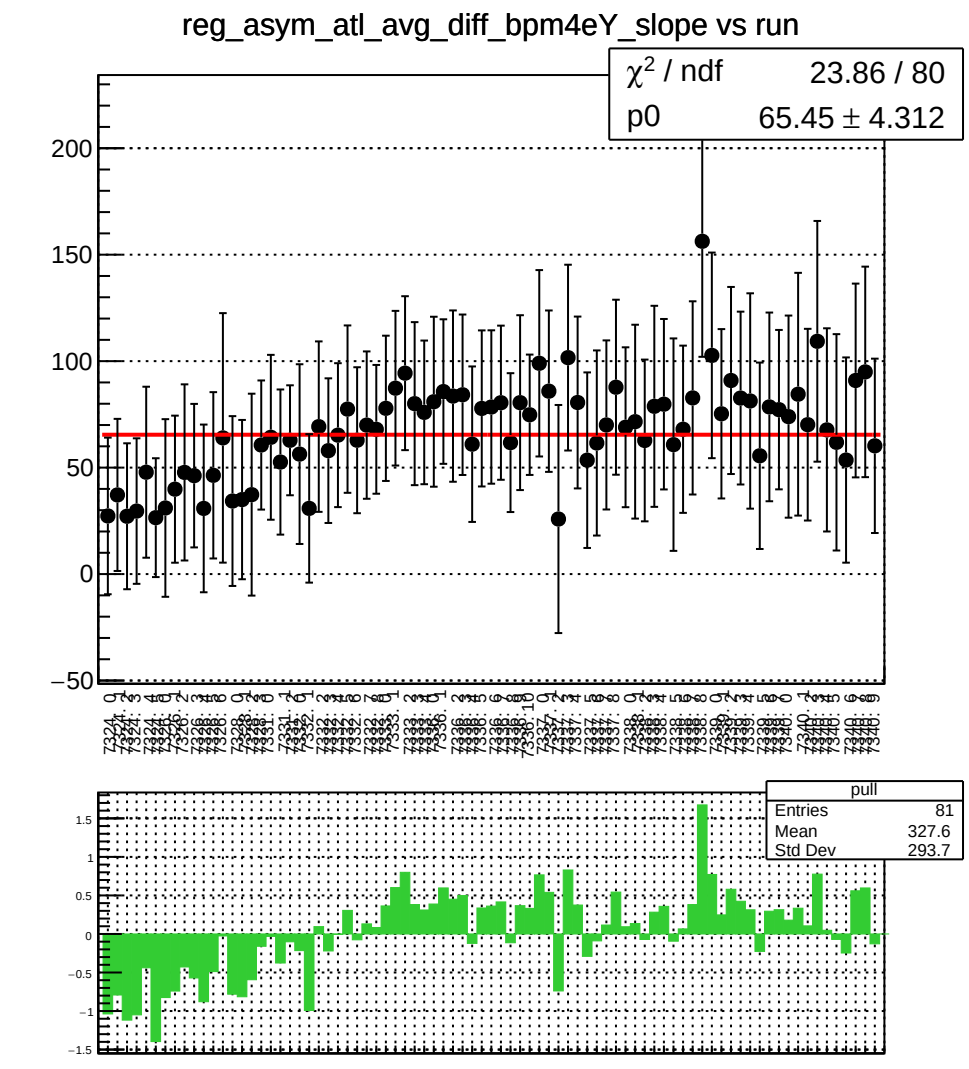

pull1D
Entries 81
Mean −0.05453
Std Dev 0.8262

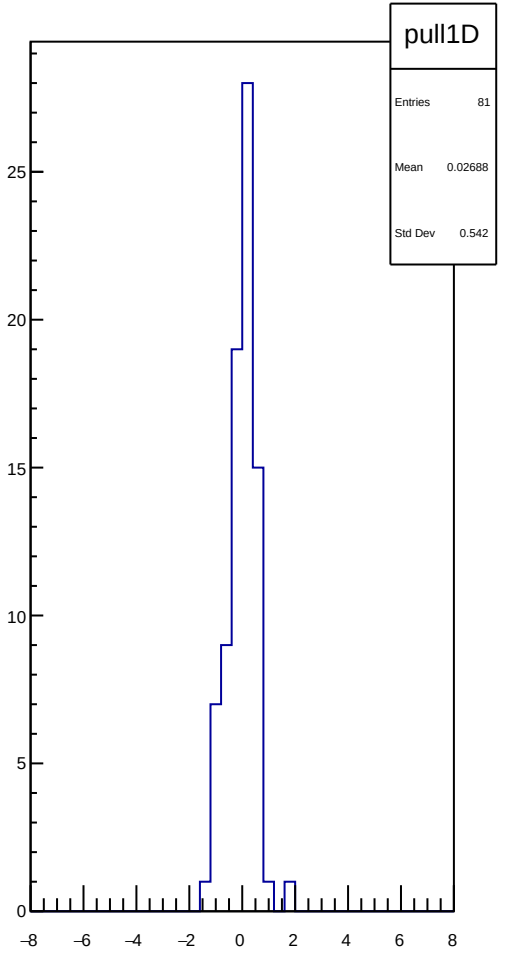

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.66 / 80
p0 −12.35 ± 4.097
pull
Entries 81
Mean 276.8
Std Dev 243.1

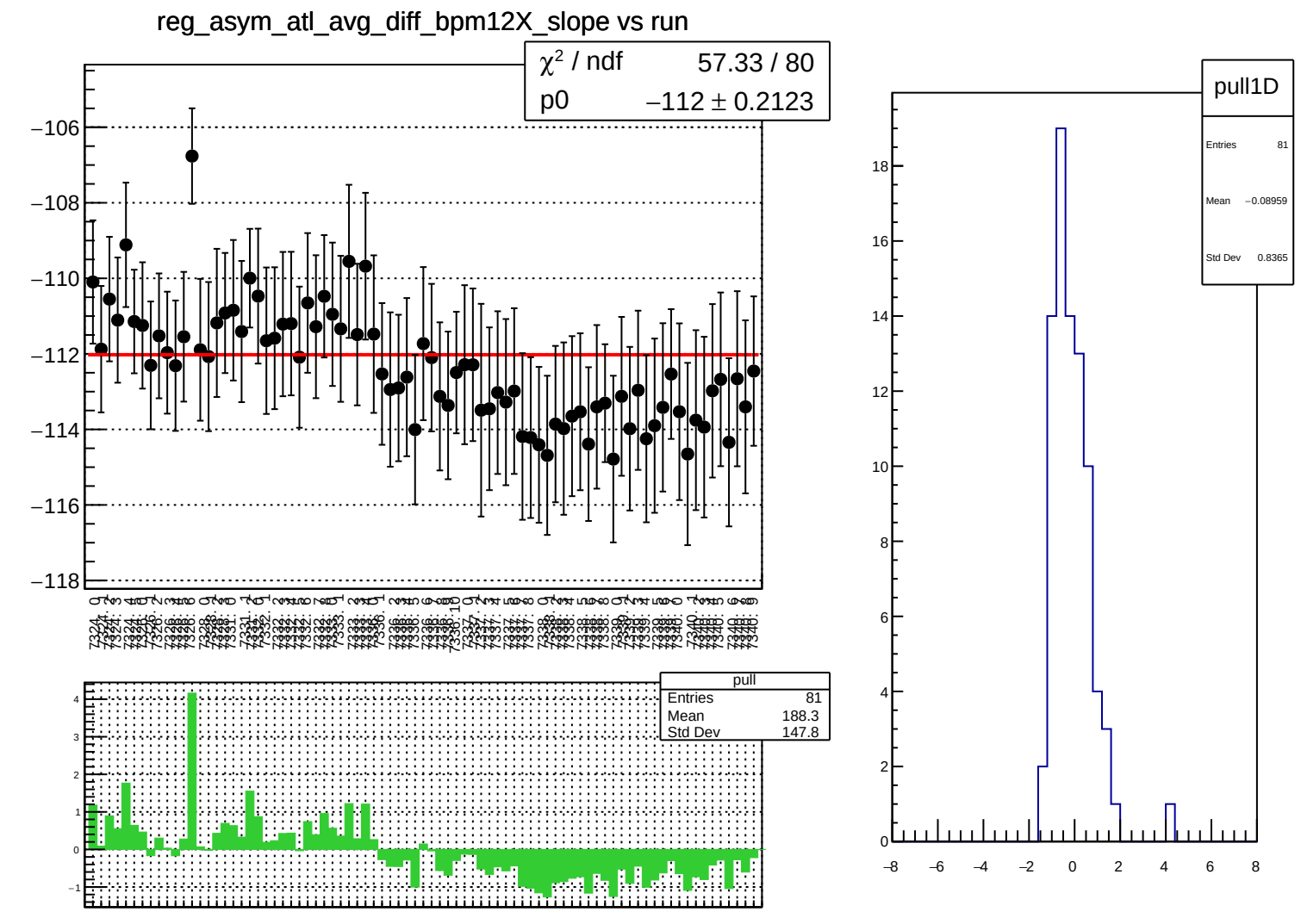

pull1D
Entries 81
Mean −0.0289
Std Dev 0.5163

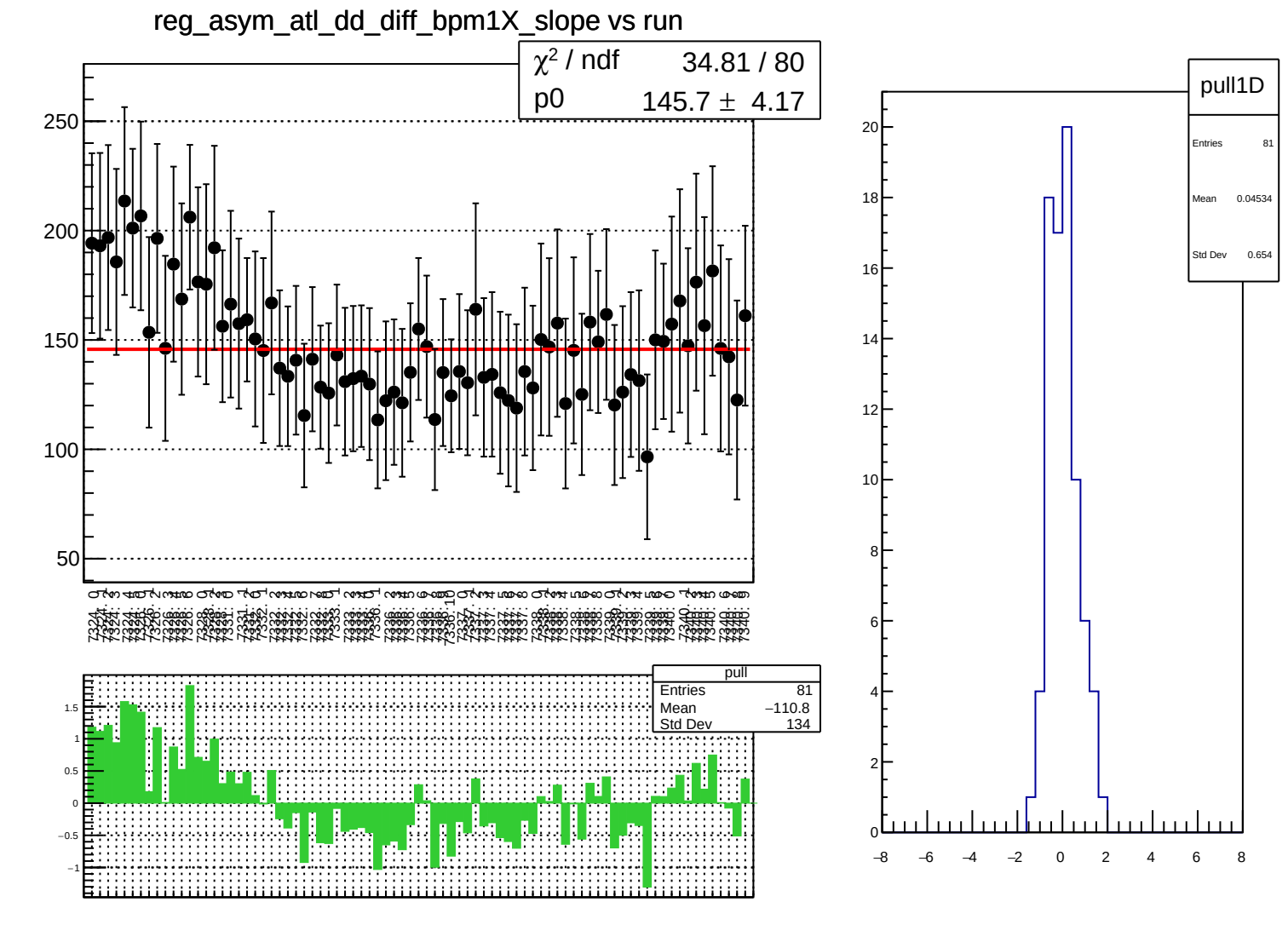

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.02 / 80
p0 130.1 ± 4.529
250
200
150
100
50
pull
Entries 81
Mean −150.7
Std Dev 176.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

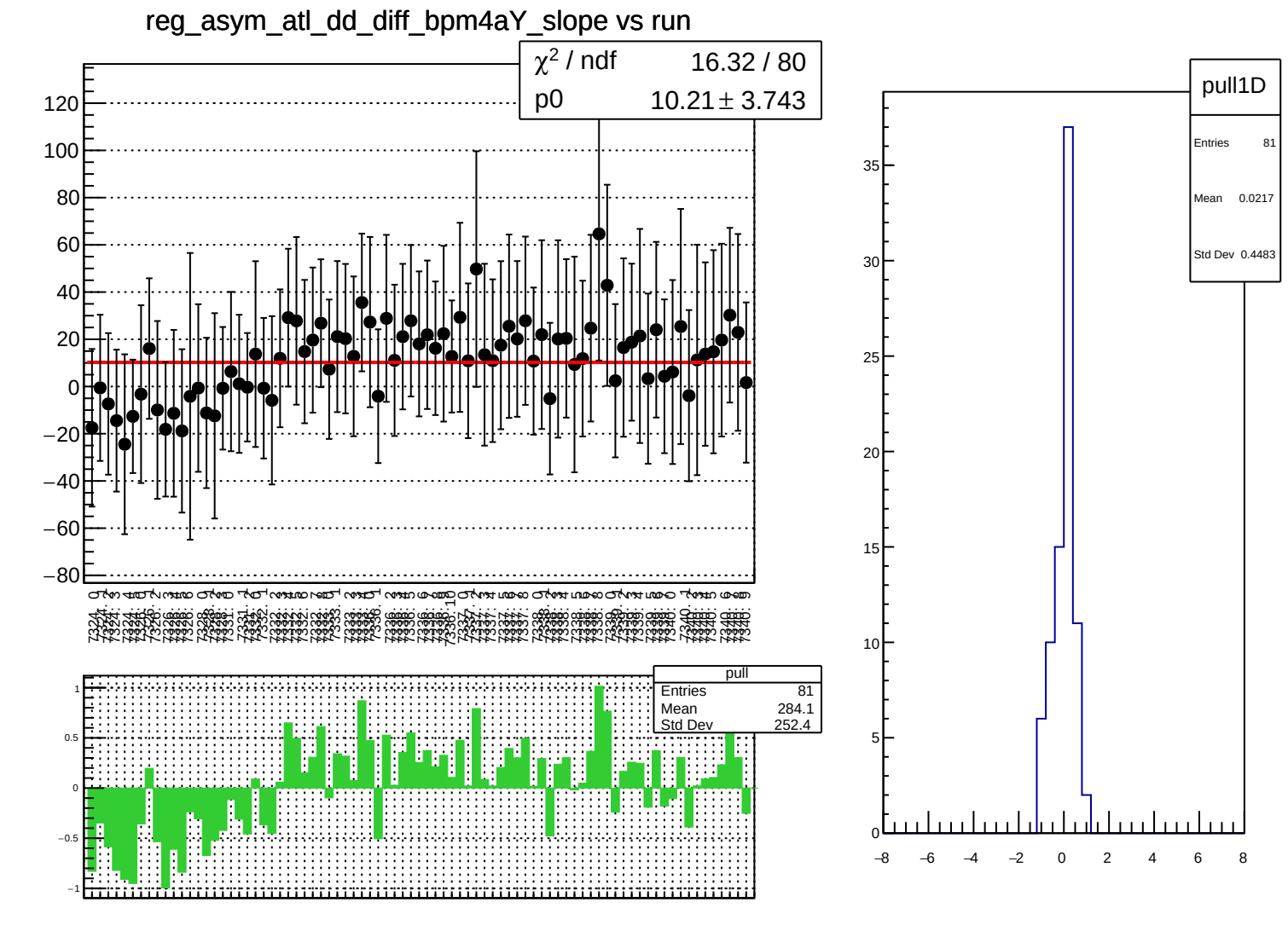

pull1D
Entries 81
Mean 0.05492
Std Dev 0.8298
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

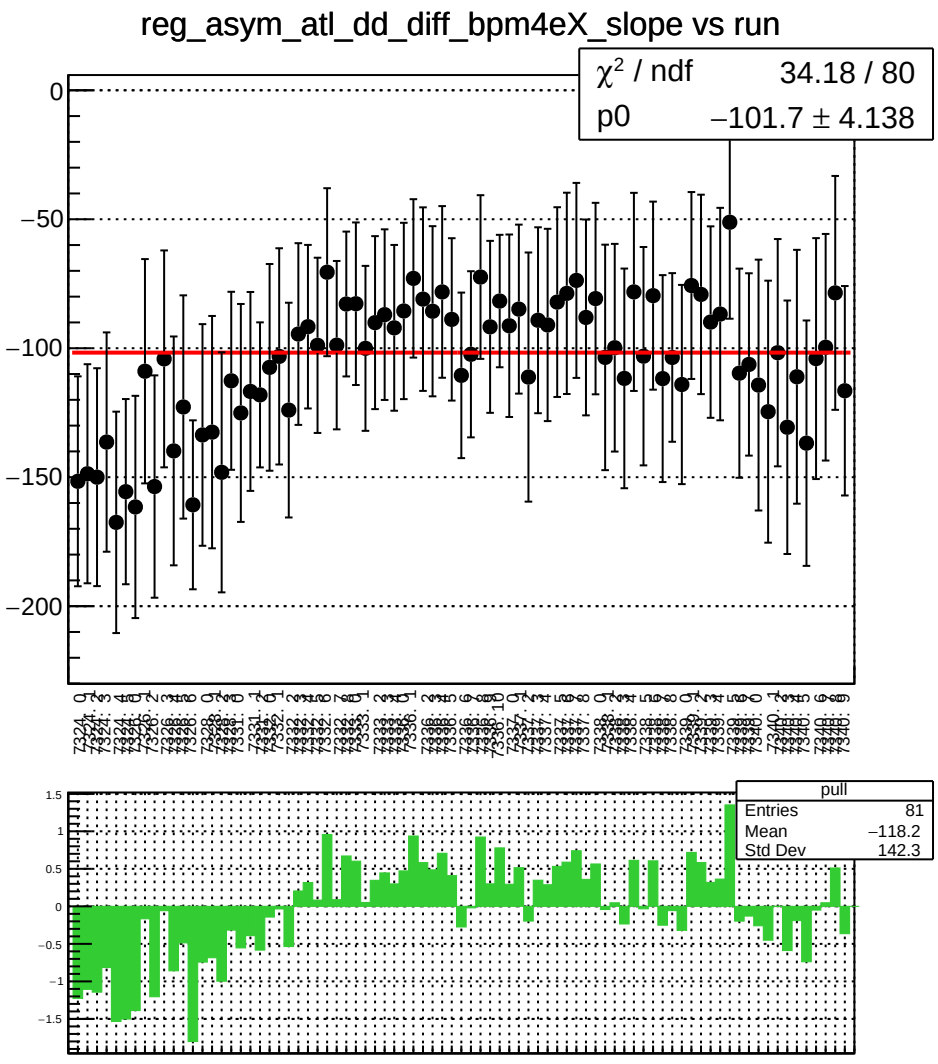

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.86 / 80
p0 65.45 ± 4.312
pull
Entries 81
Mean 327.6
Std Dev 293.7

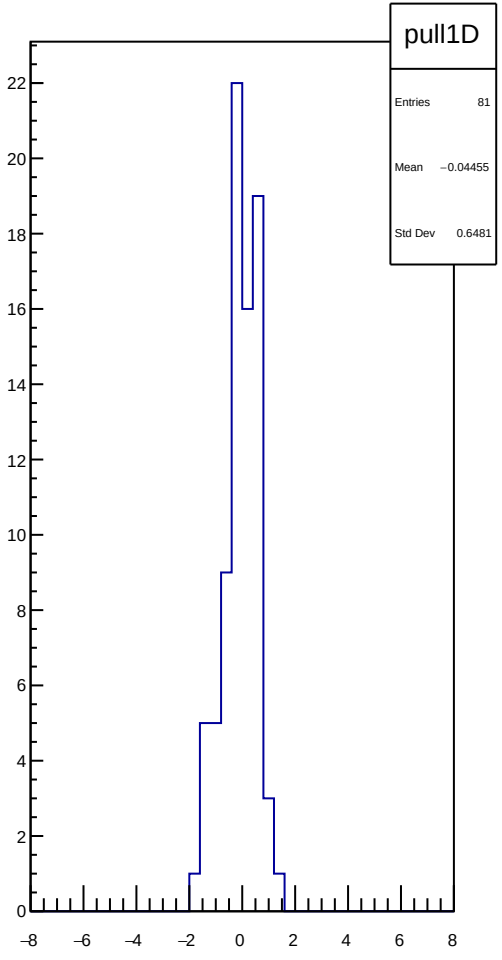

pull1D
Entries 81
Mean 0.02688
Std Dev 0.542

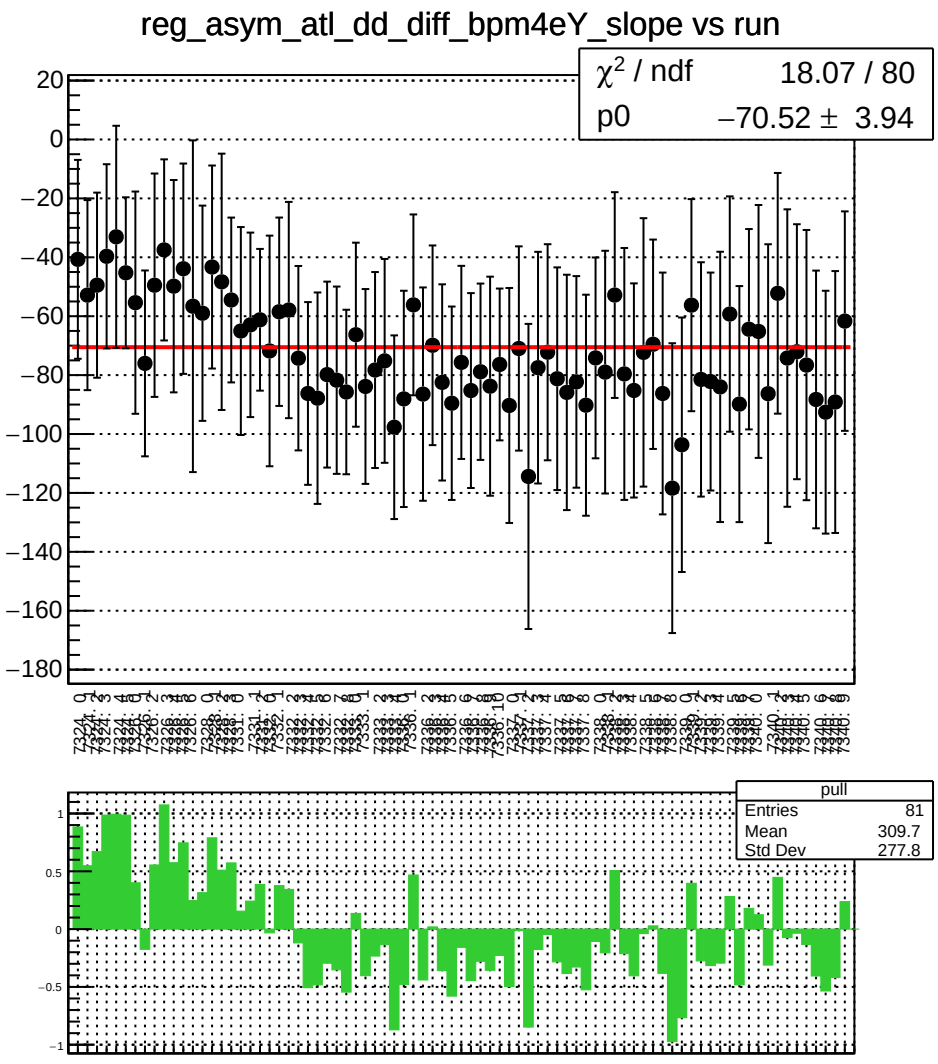

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 57.33 / 80
p0 −112 ± 0.2123
pull
Entries 81
Mean 188.3
Std Dev 147.8
pull1D
Entries 81
Mean −0.08959
Std Dev 0.8365

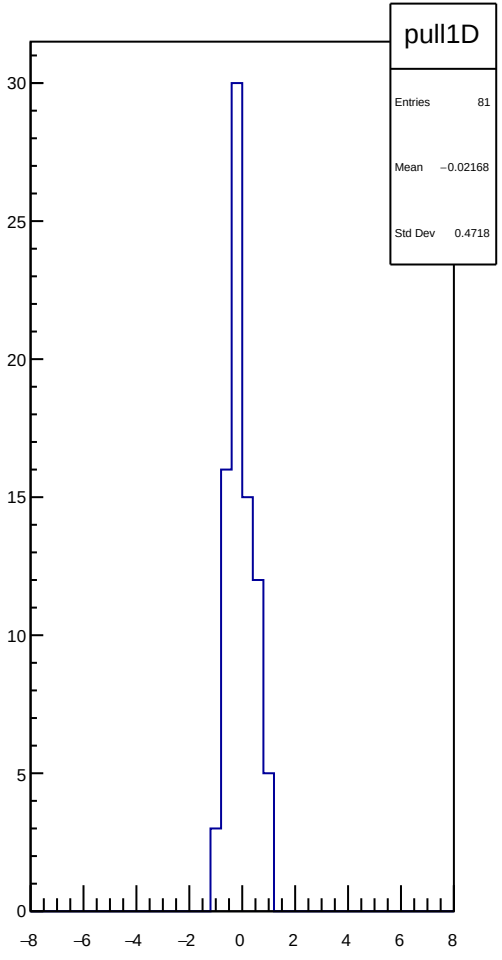

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 34.81 / 80
p0 145.7 ± 4.17
250
200
150
100
50
pull
Entries 81
Mean −110.8
Std Dev 134
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.04534
Std Dev 0.654
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

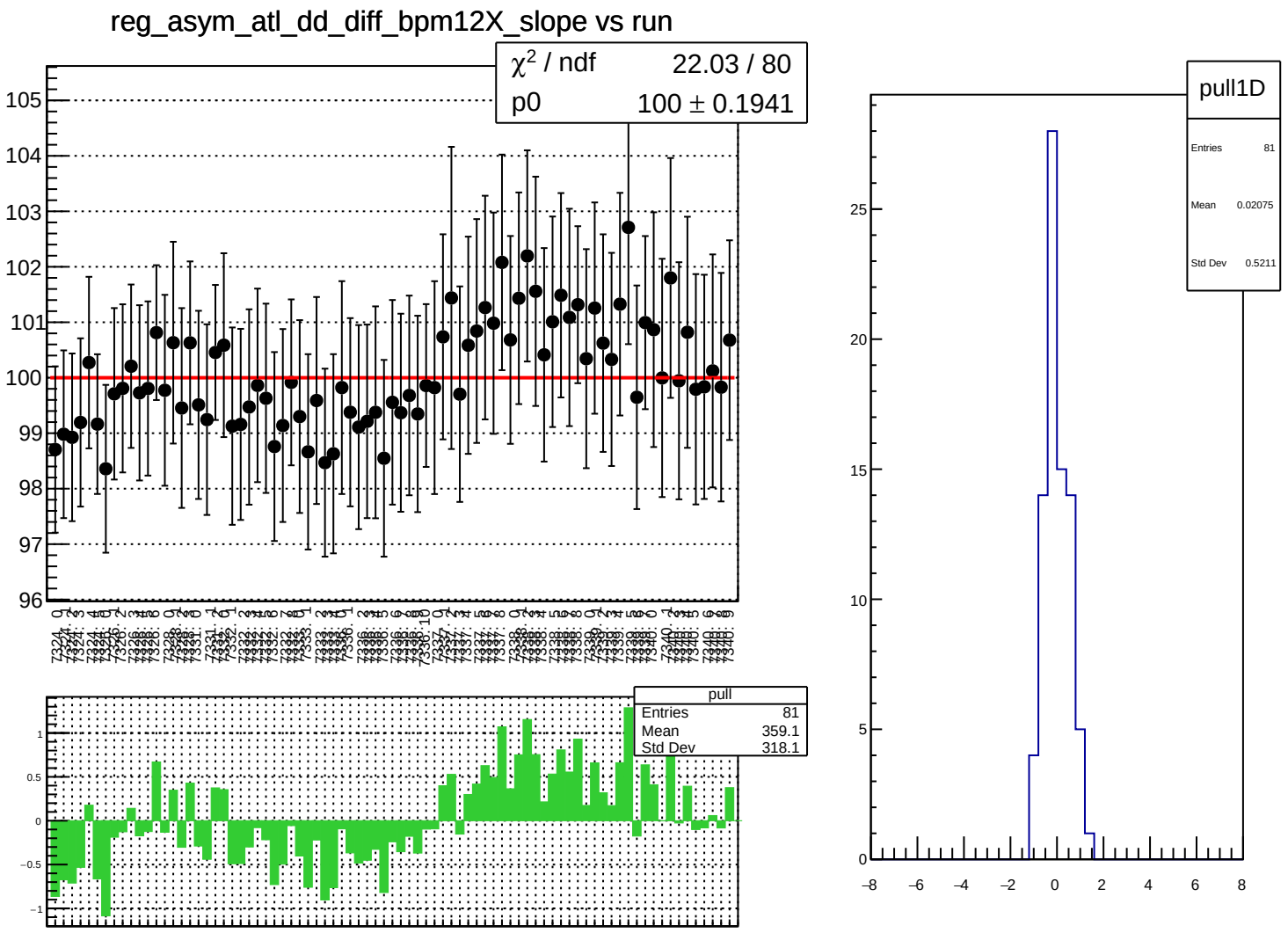

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.32 / 80
p0 10.21 ± 3.743
pull
Entries 81
Mean 284.1
Std Dev 252.4
pull1D
Entries 81
Mean 0.0217
Std Dev 0.4483

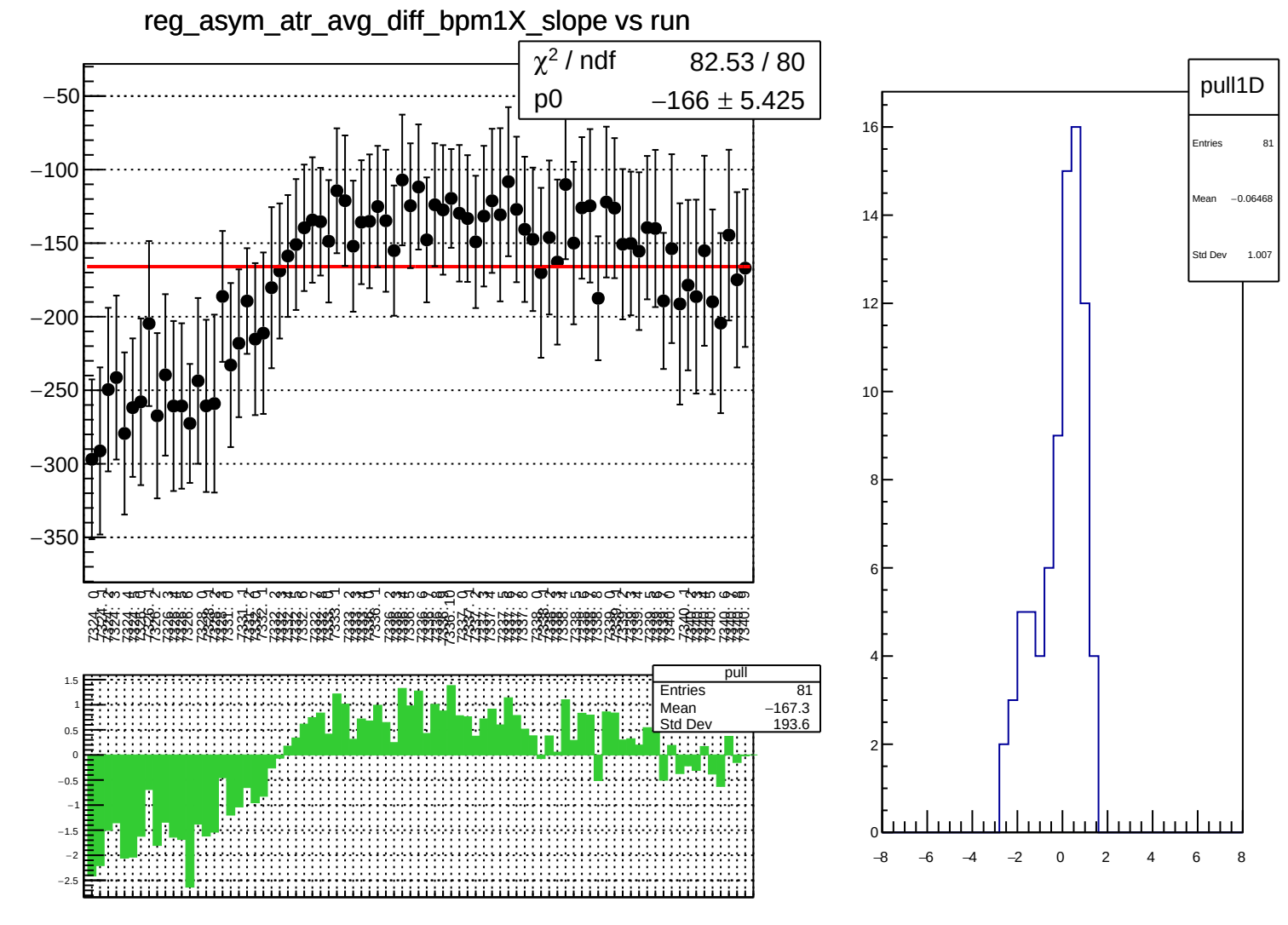

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.18 / 80
p0 −101.7 ± 4.138
pull
Entries 81
Mean −118.2
Std Dev 142.3

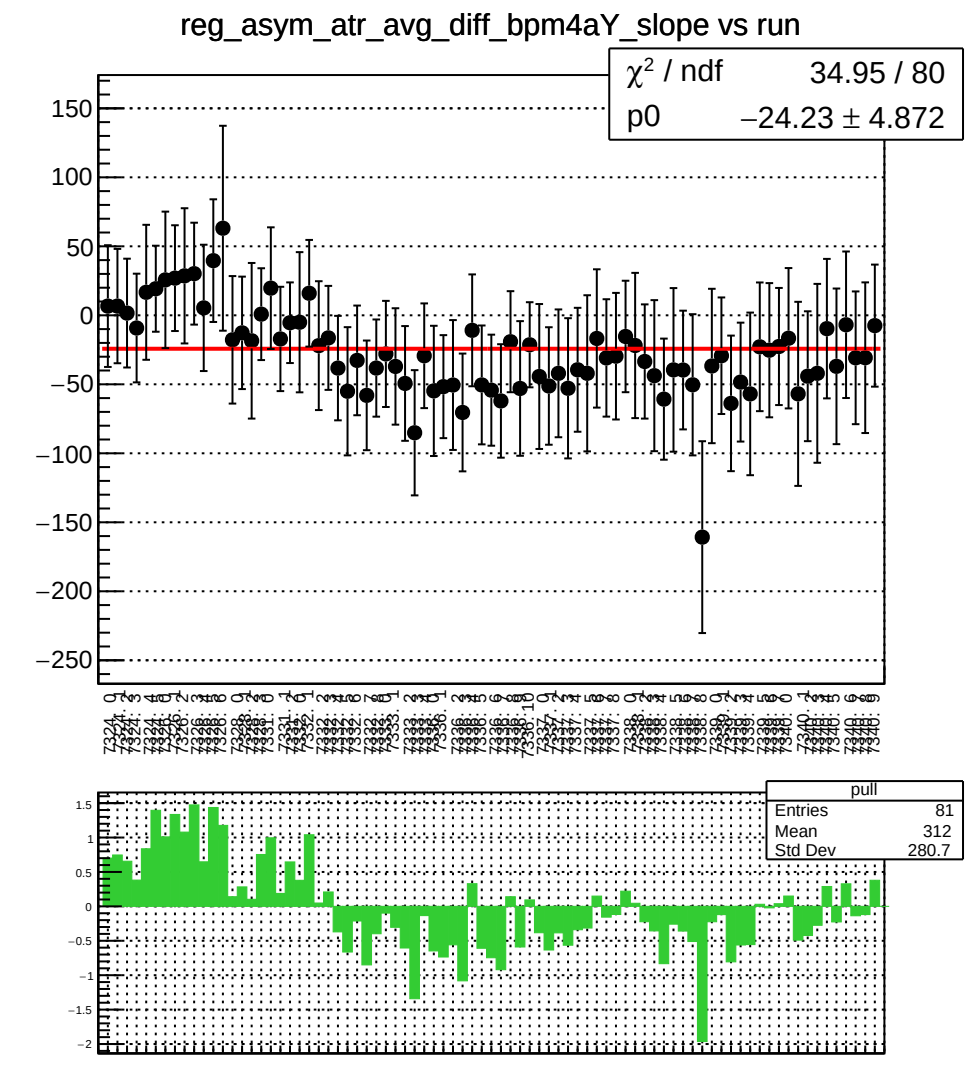

pull1D
Entries 81
Mean −0.04455
Std Dev 0.6481

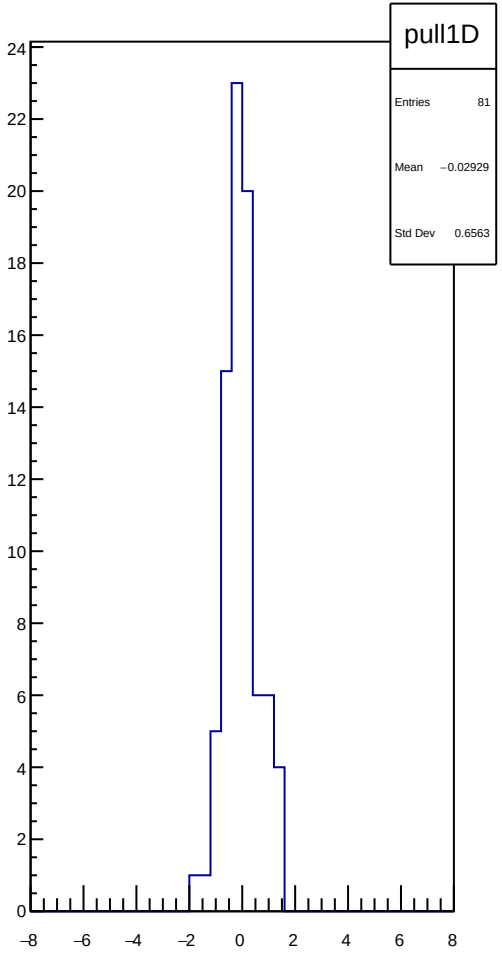

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.07 / 80
p0 −70.52 ± 3.94
pull
Entries 81
Mean 309.7
Std Dev 277.8

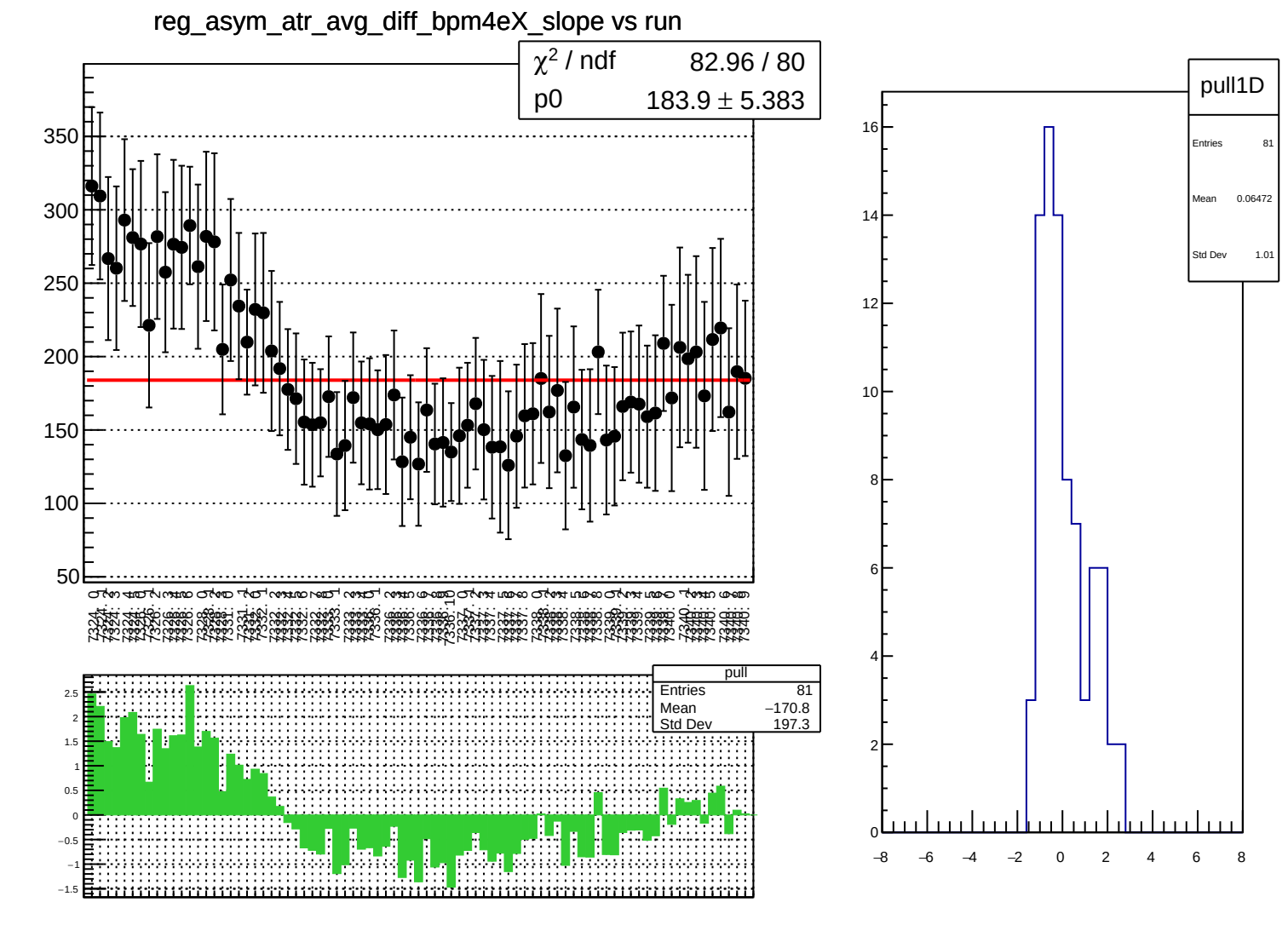

pull1D
Entries 81
Mean −0.02168
Std Dev 0.4718

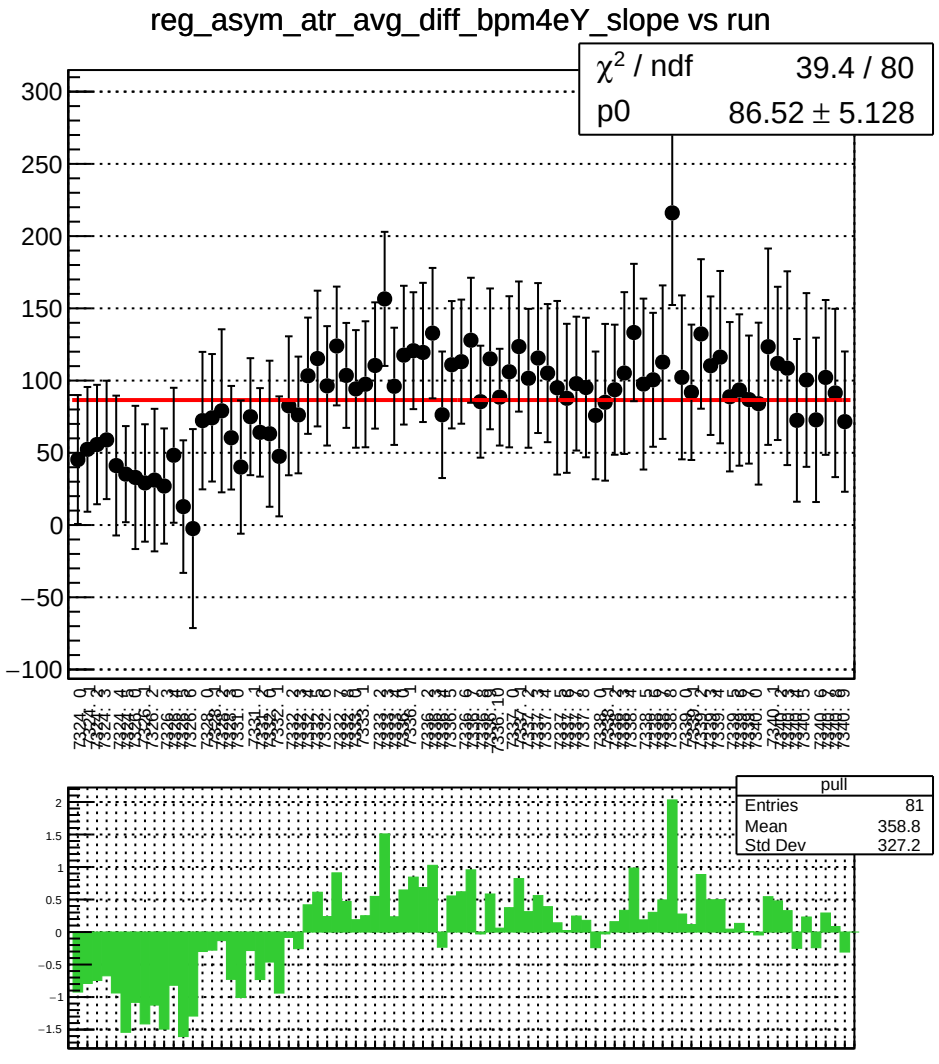

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 22.03 / 80
p0 100 ± 0.1941
pull
Entries 81
Mean 359.1
Std Dev 318.1
pull1D
Entries 81
Mean 0.02075
Std Dev 0.5211

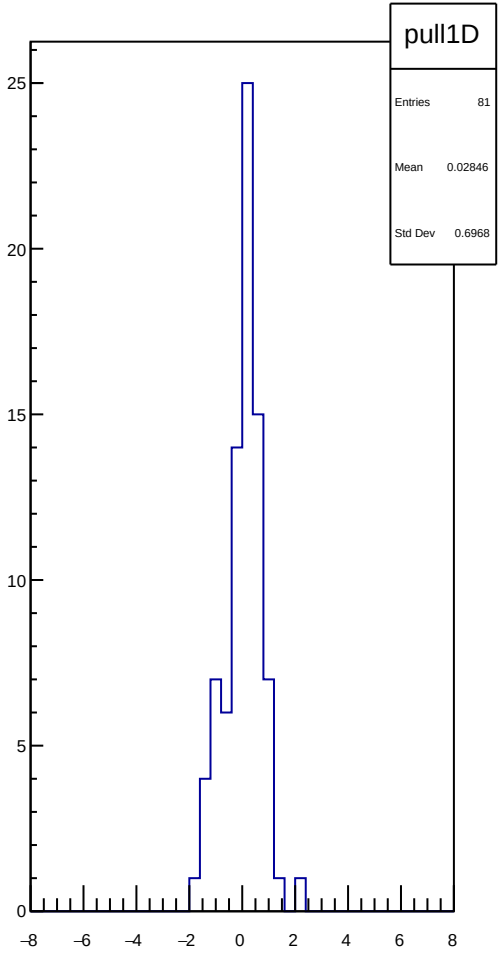

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 82.53 / 80
p0 −166 ± 5.425
pull
Entries 81
Mean −167.3
Std Dev 193.6
pull1D
Entries 81
Mean −0.06468
Std Dev 1.007

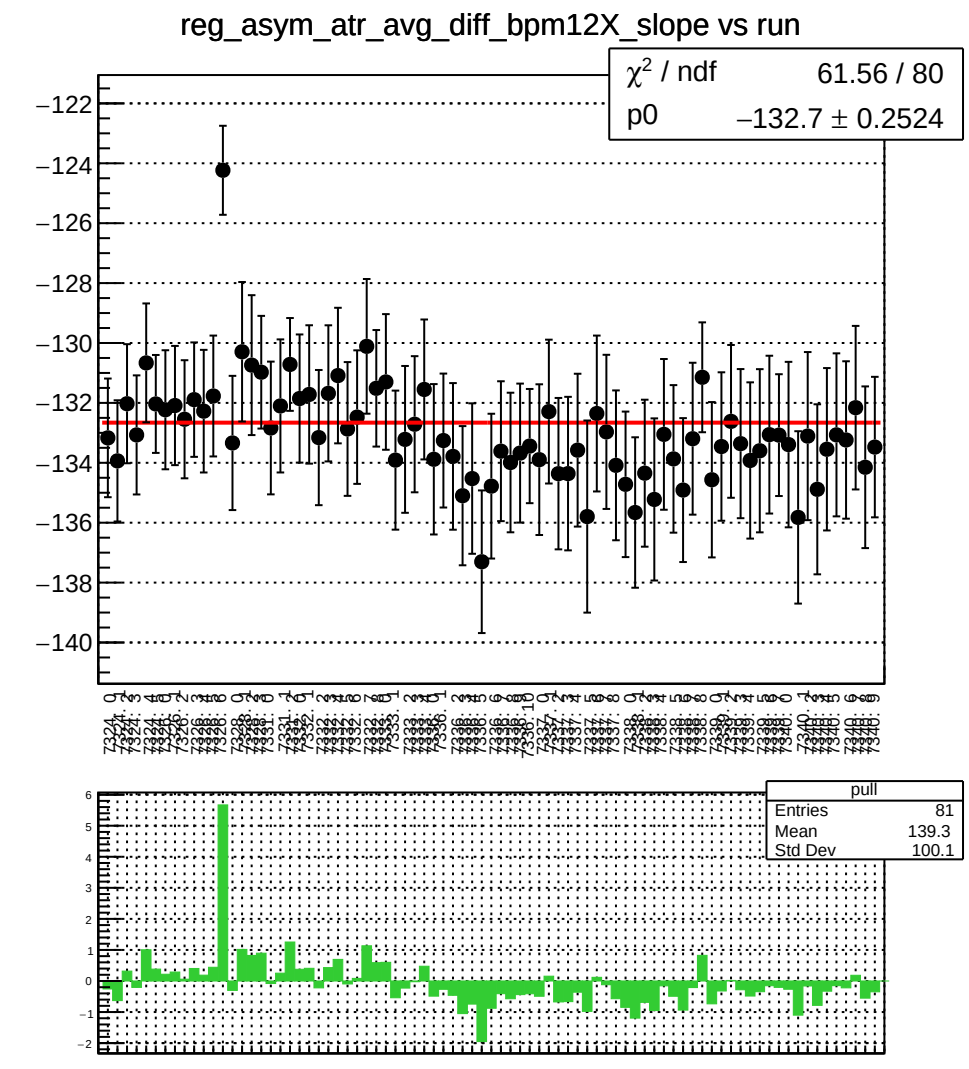

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.95 / 80
p0 −24.23 ± 4.872
pull
Entries 81
Mean 312
Std Dev 280.7

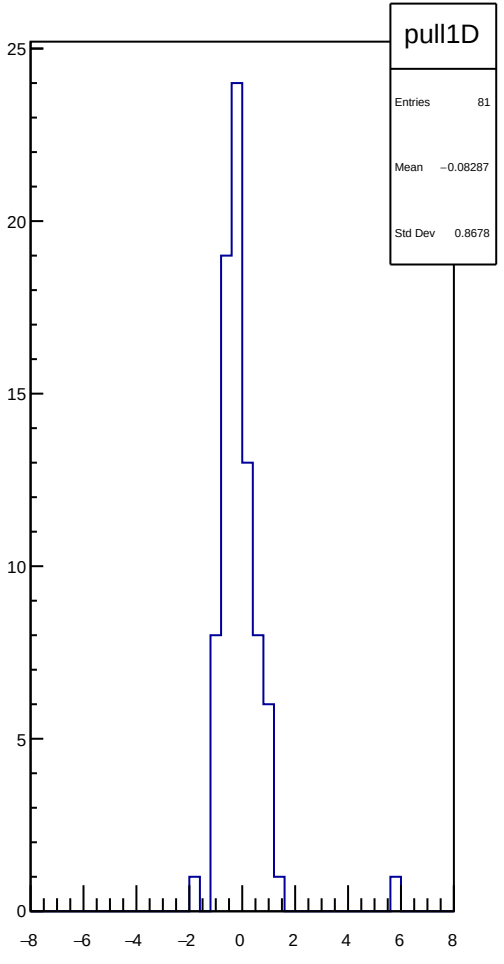

pull1D
Entries 81
Mean −0.02929
Std Dev 0.6563

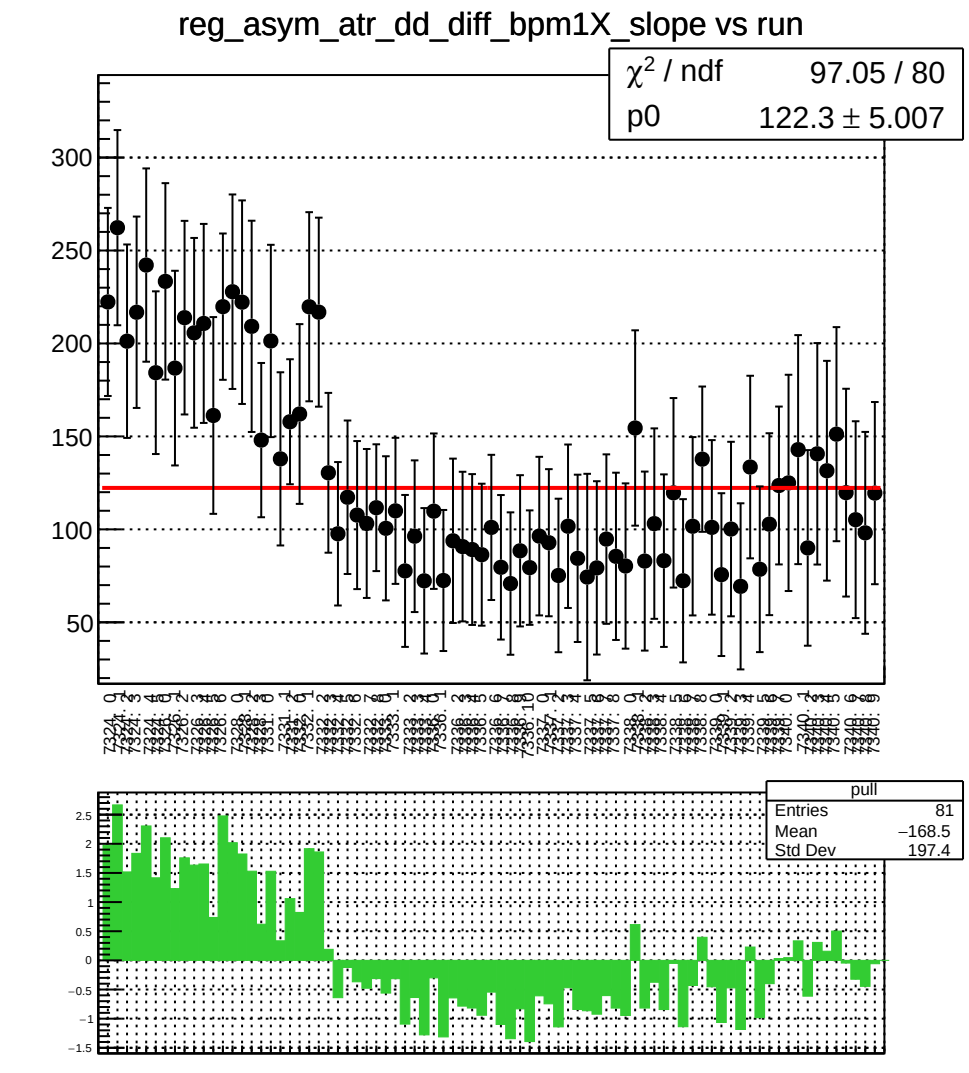

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.96 / 80
p0 183.9 ± 5.383
pull
Entries 81
Mean −170.8
Std Dev 197.3
pull1D
Entries 81
Mean 0.06472
Std Dev 1.01

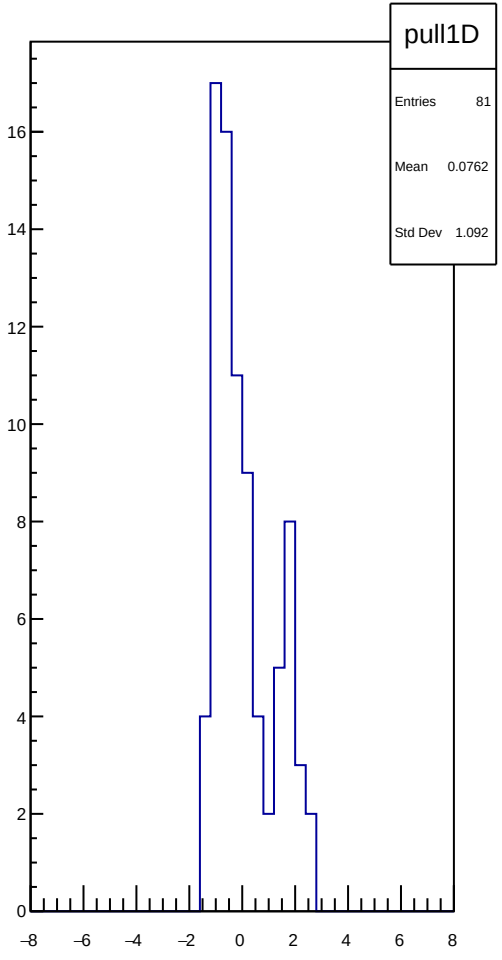

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.4 / 80
p0 86.52 ± 5.128
pull
Entries 81
Mean 358.8
Std Dev 327.2

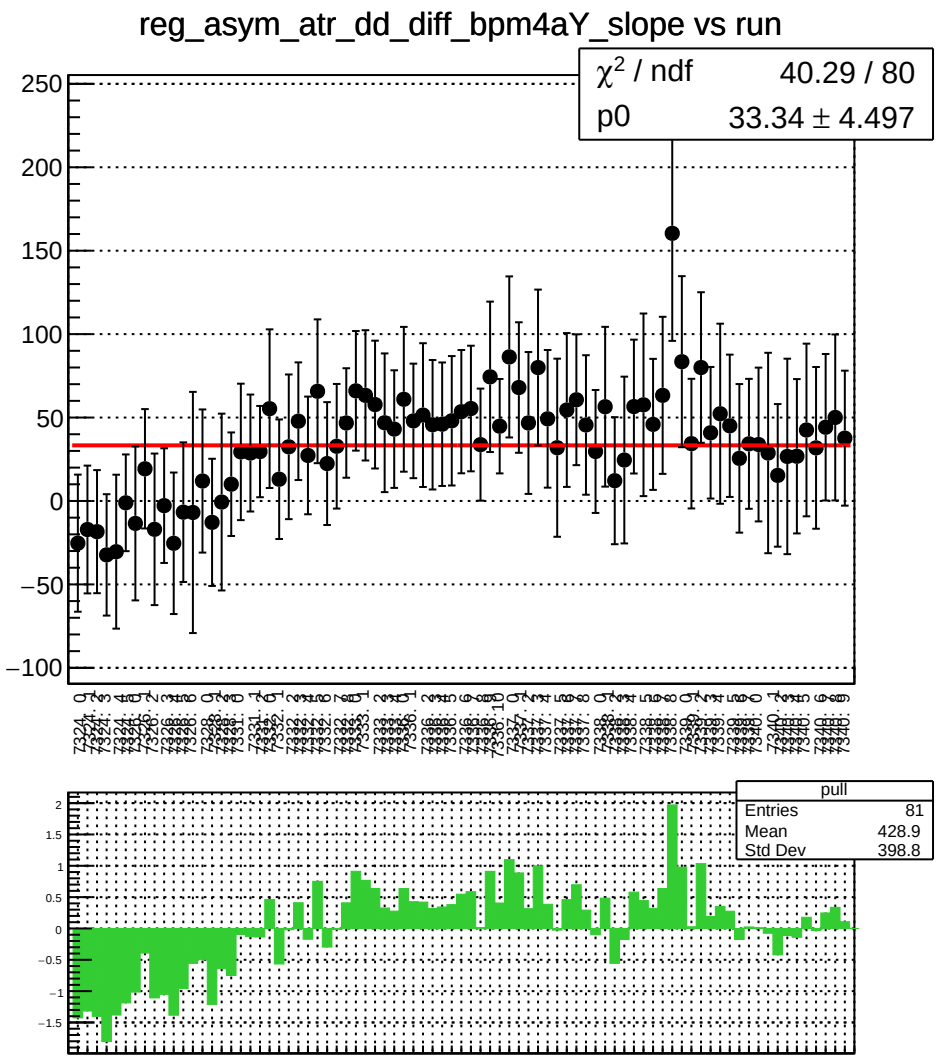

pull1D
Entries 81
Mean 0.02846
Std Dev 0.6968

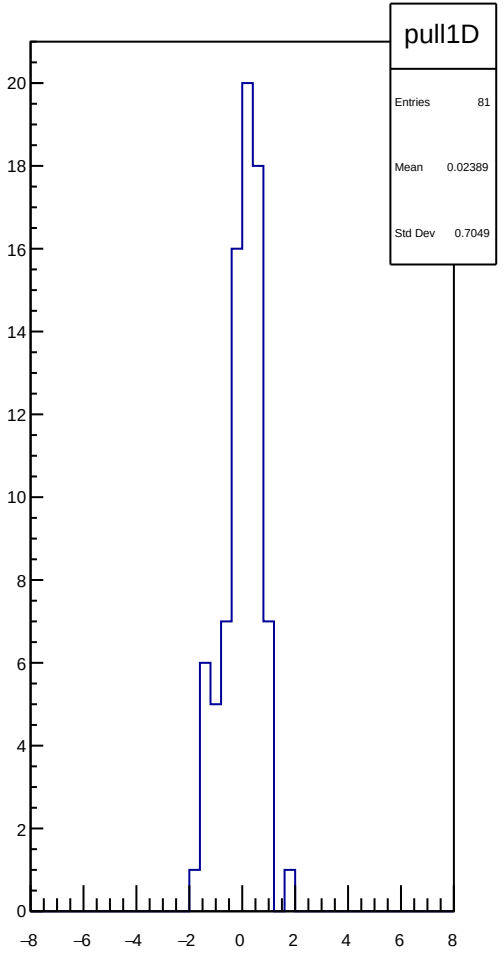

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 61.56 / 80
p0 −132.7 ± 0.2524
pull
Entries 81
Mean 139.3
Std Dev 100.1

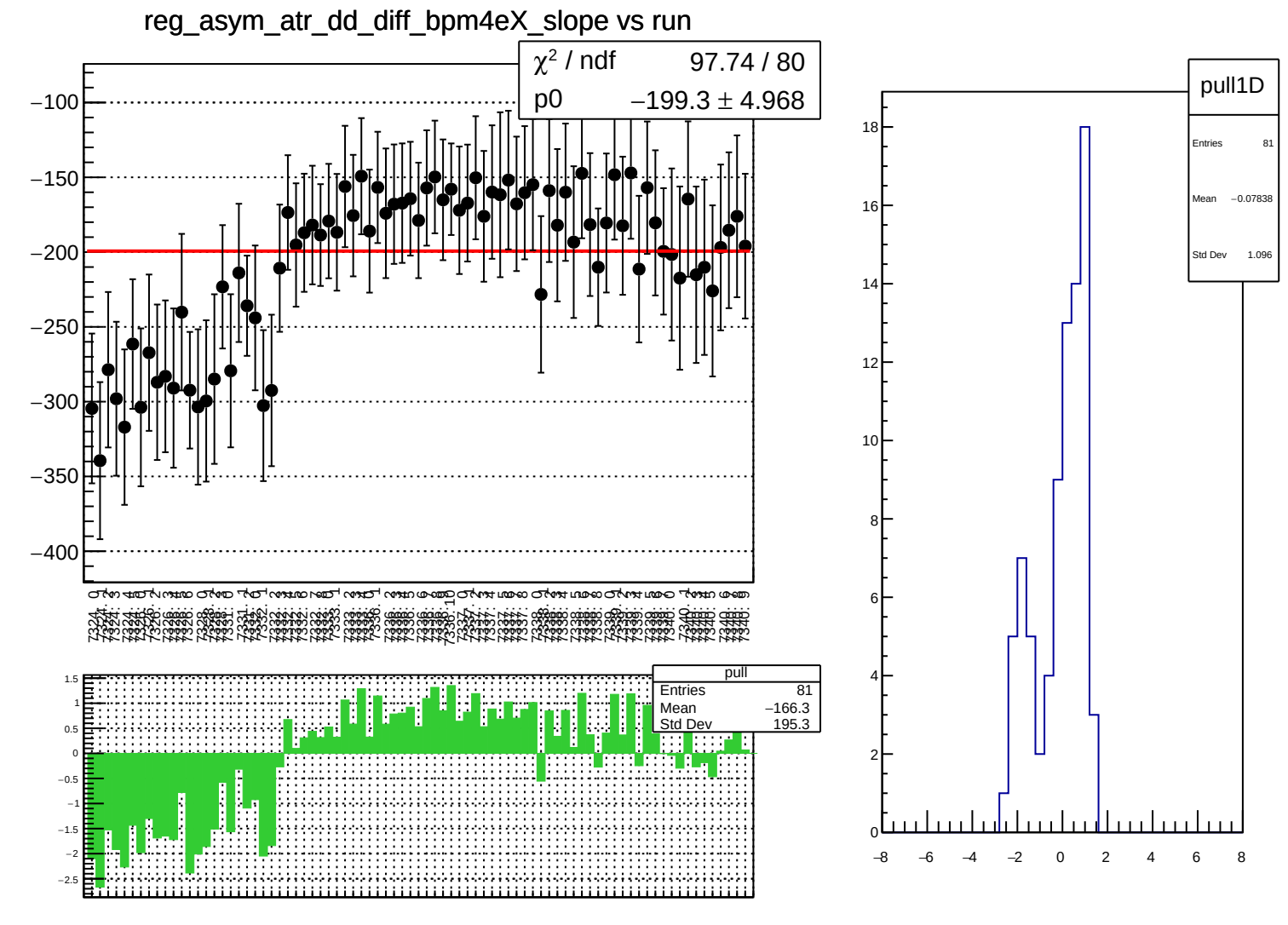

pull1D
Entries 81
Mean −0.08287
Std Dev 0.8678

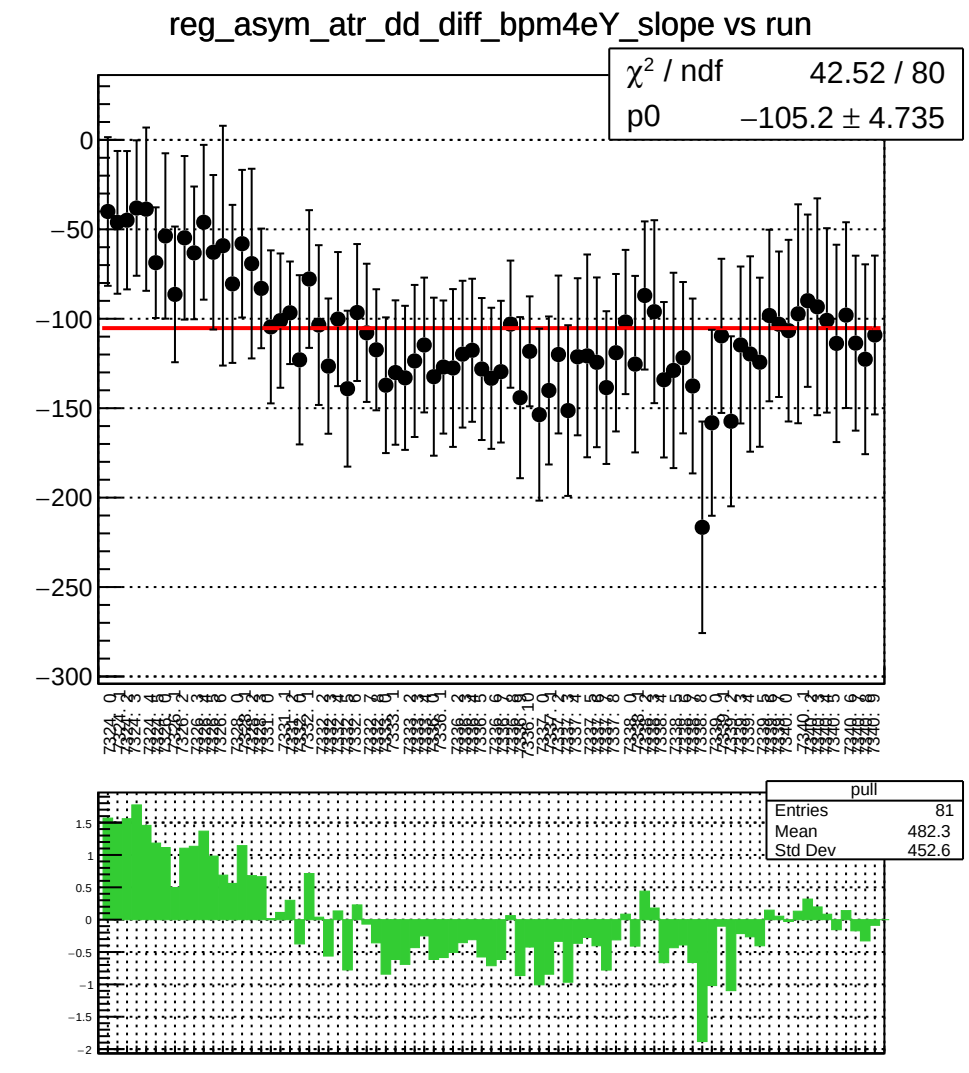

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 97.05 / 80
p0 122.3 ± 5.007
pull
Entries 81
Mean −168.5
Std Dev 197.4

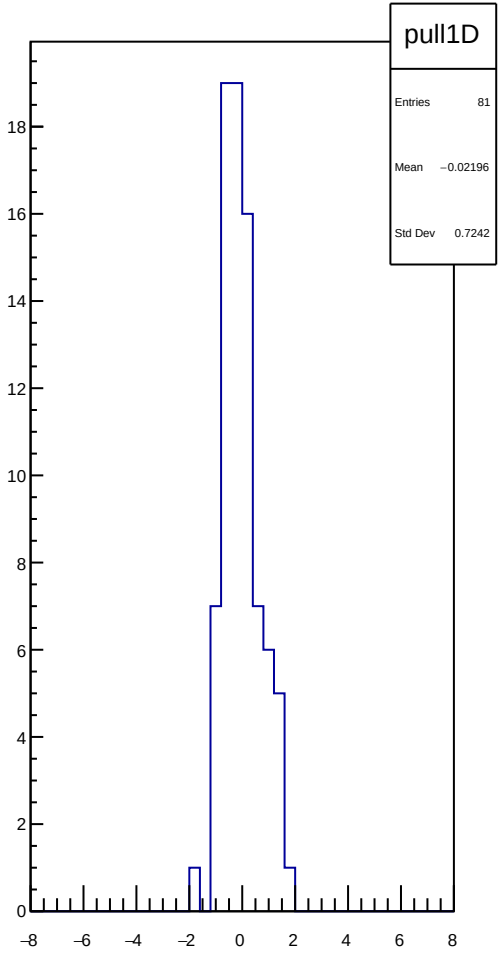

pull1D
Entries 81
Mean 0.0762
Std Dev 1.092

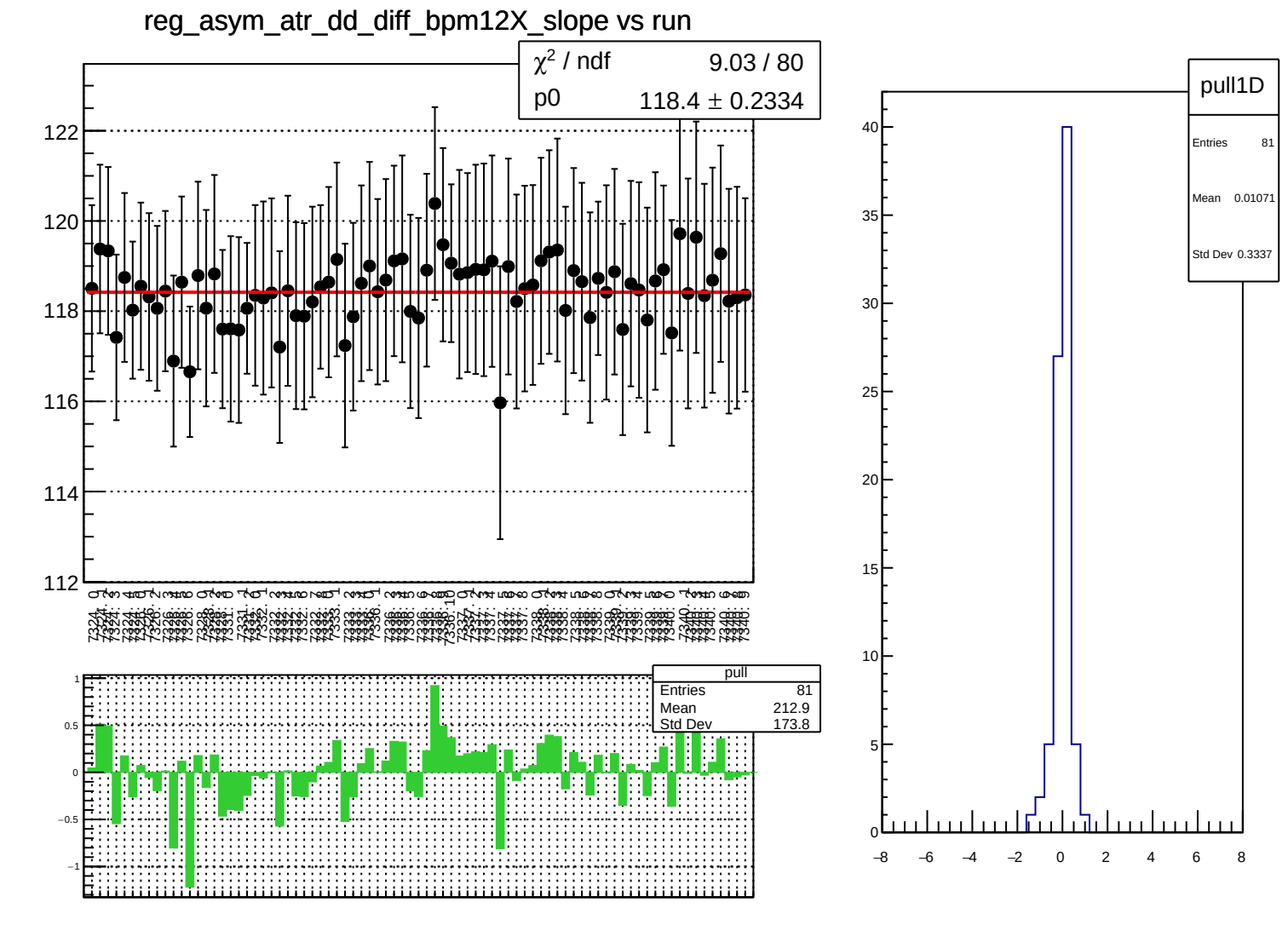

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.29 / 80
p0 33.34 ± 4.497
pull
Entries 81
Mean 428.9
Std Dev 398.8

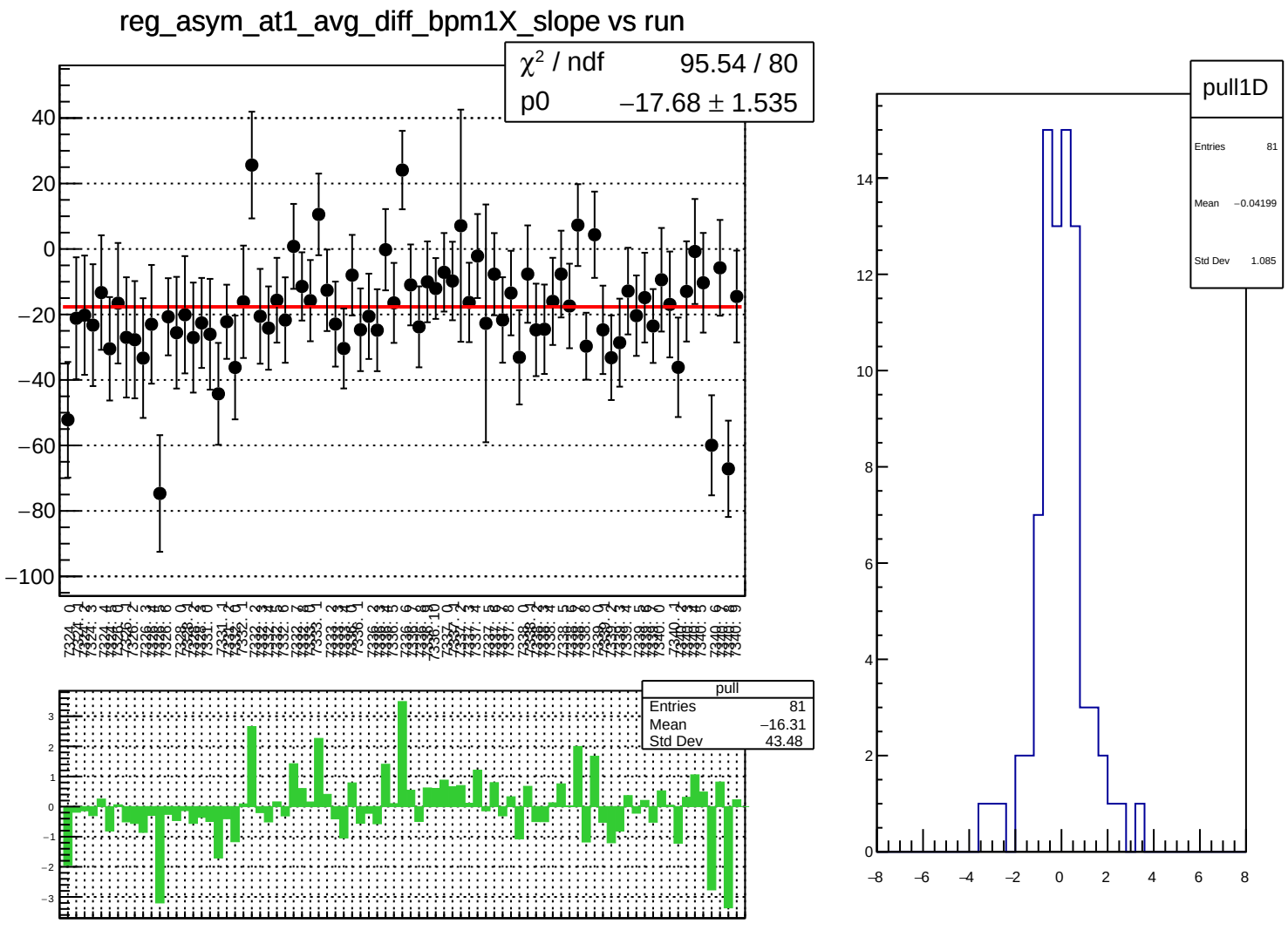

pull1D
Entries 81
Mean 0.02389
Std Dev 0.7049

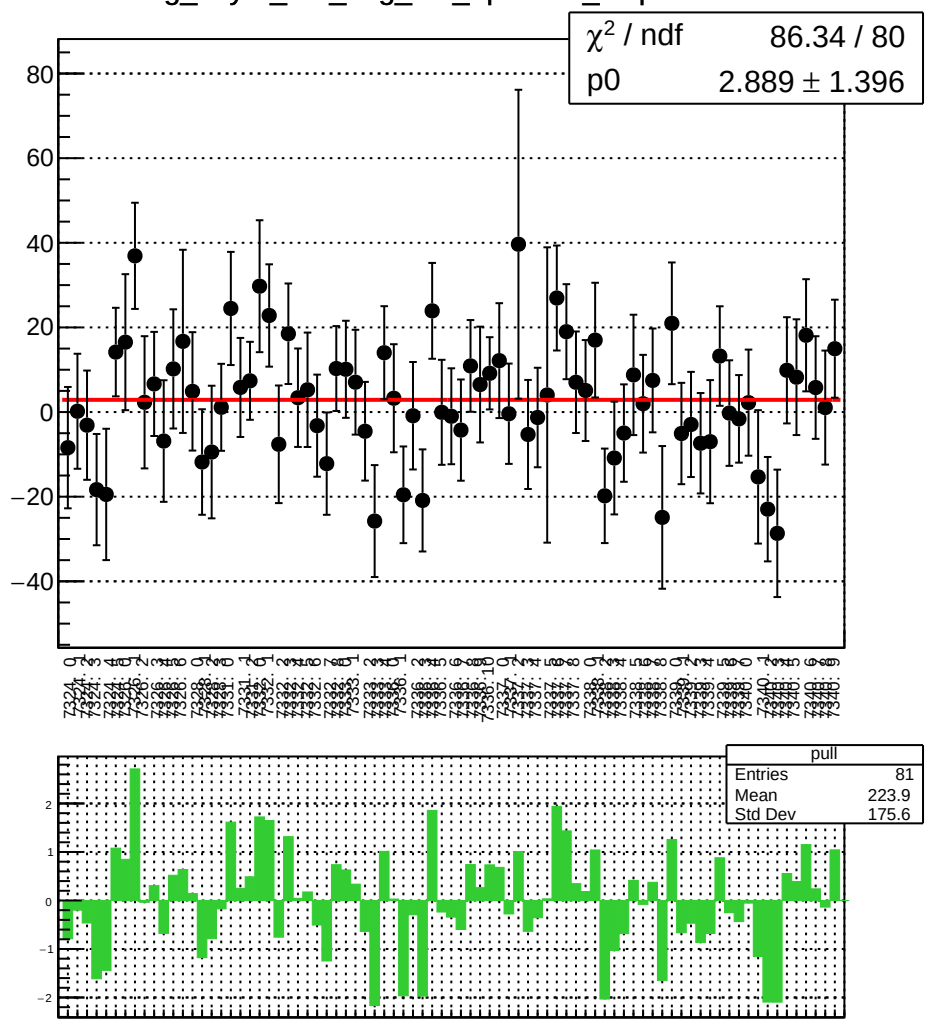

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 97.74 / 80
p0 −199.3 ± 4.968
pull
Entries 81
Mean −166.3
Std Dev 195.3
pull1D
Entries 81
Mean −0.07838
Std Dev 1.096

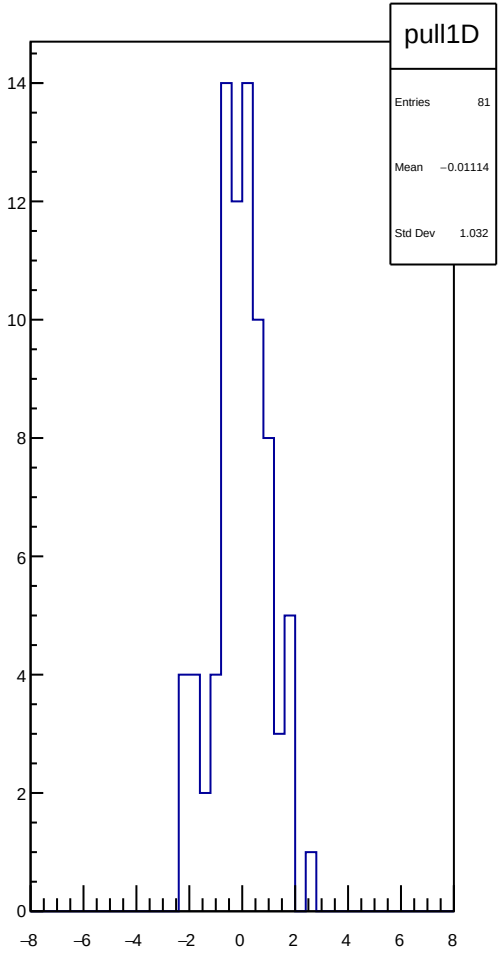

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.52 / 80
p0 −105.2 ± 4.735
pull
Entries 81
Mean 482.3
Std Dev 452.6

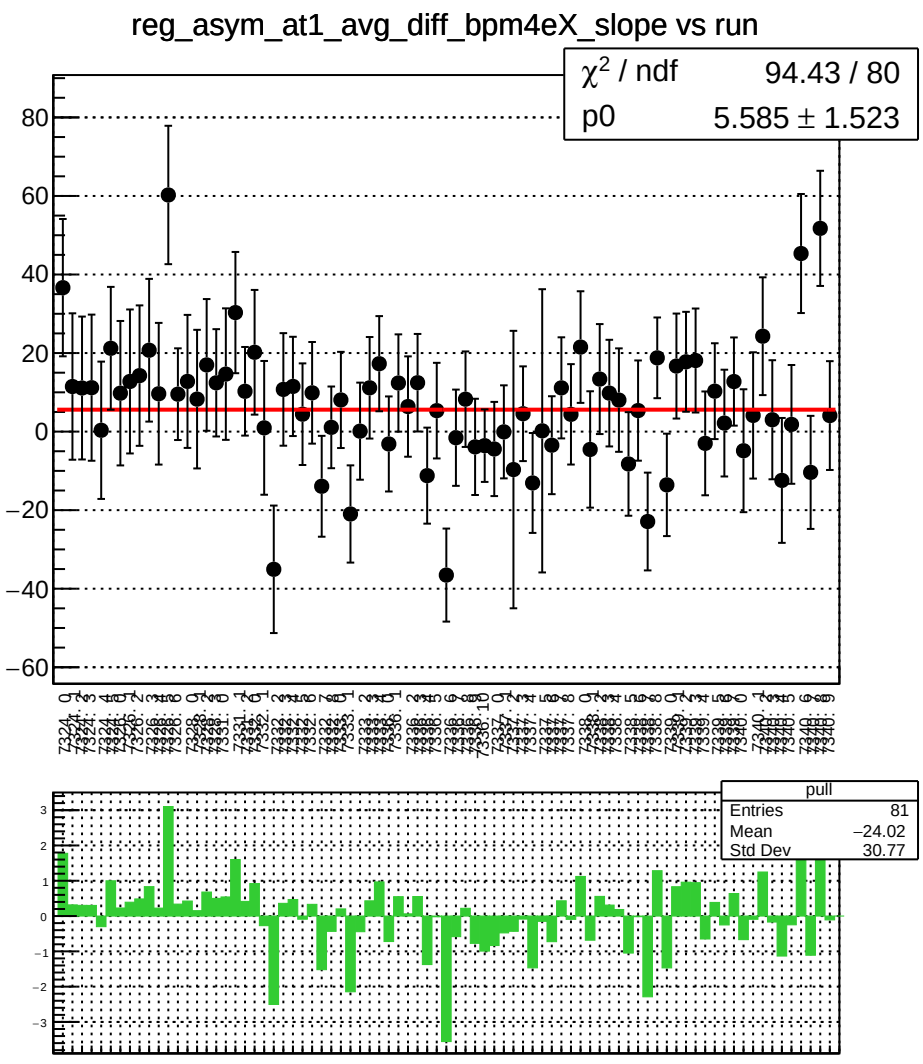

pull1D
Entries 81
Mean −0.02196
Std Dev 0.7242

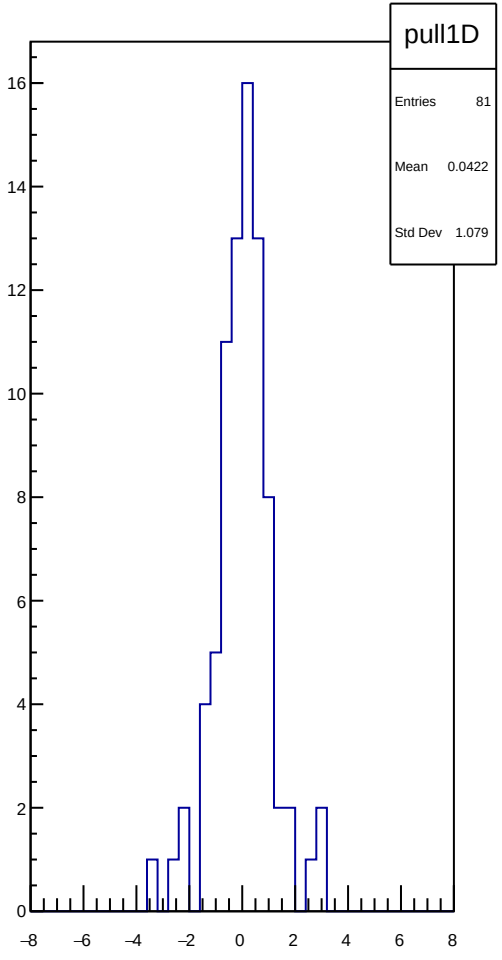

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 9.03 / 80
p0 118.4 ± 0.2334
pull
Entries 81
Mean 212.9
Std Dev 173.8
pull1D
Entries 81
Mean 0.01071
Std Dev 0.3337

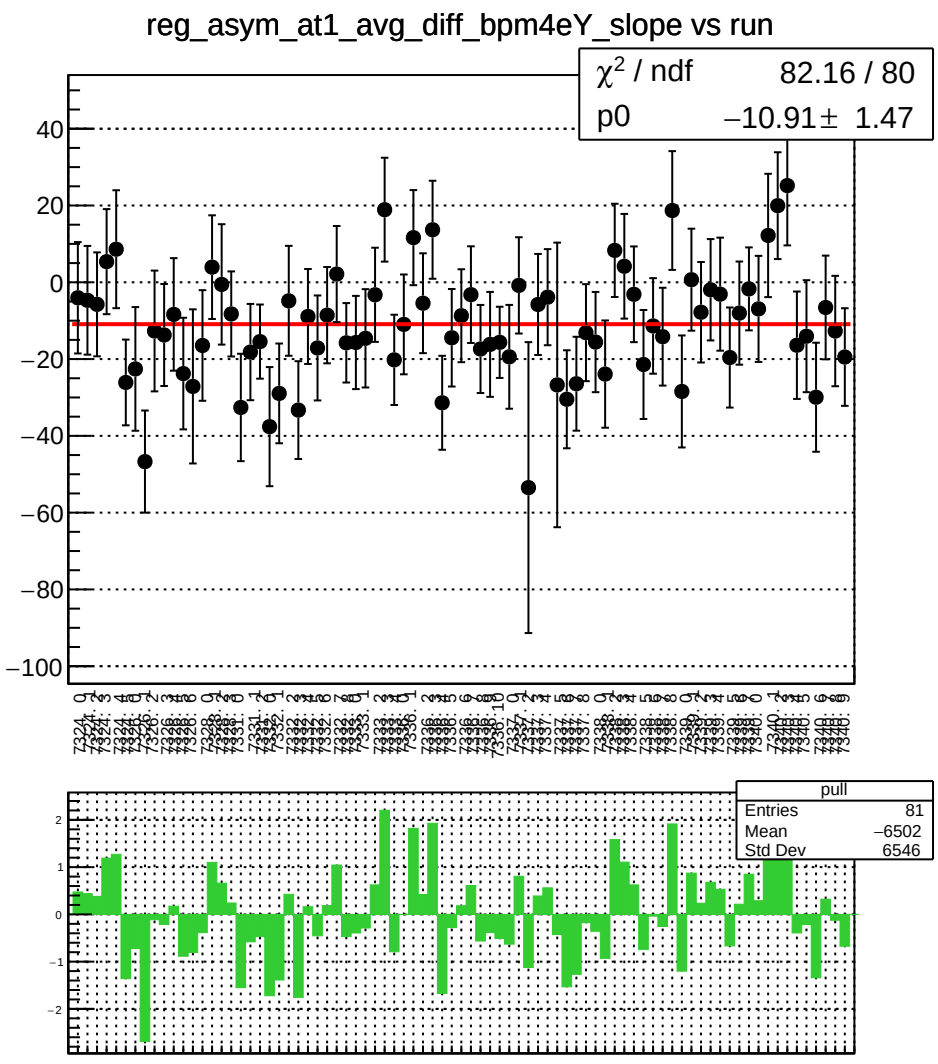

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 95.54 / 80
p0 −17.68 ± 1.535
pull
Entries 81
Mean −16.31
Std Dev 43.48
pull1D
Entries 81
Mean −0.04199
Std Dev 1.085

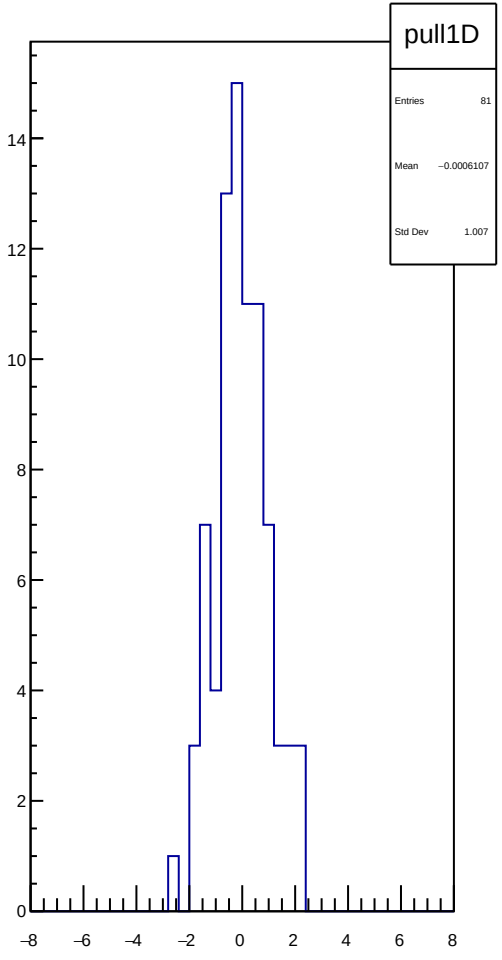

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.34 / 80
p0 2.889 ± 1.396
pull
Entries 81
Mean 223.9
Std Dev 175.6

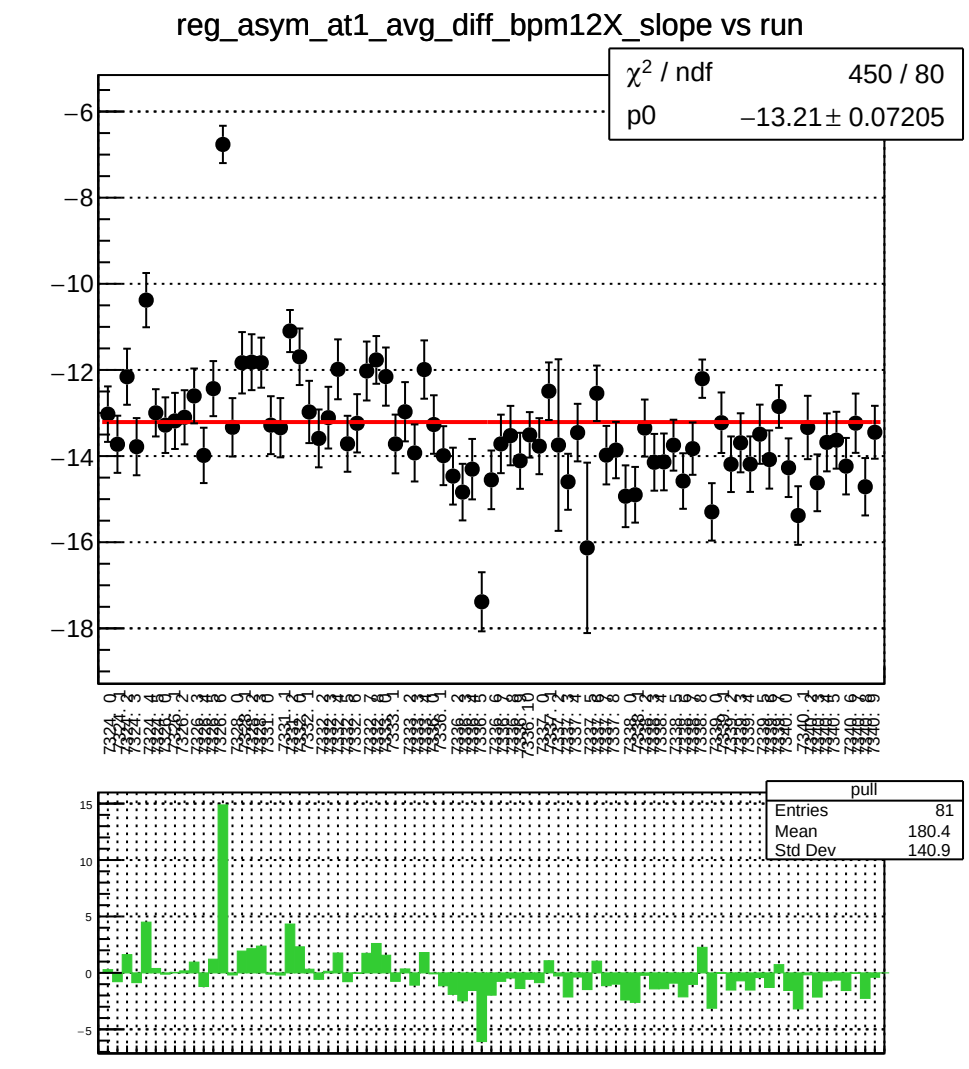

pull1D
Entries 81
Mean −0.01114
Std Dev 1.032

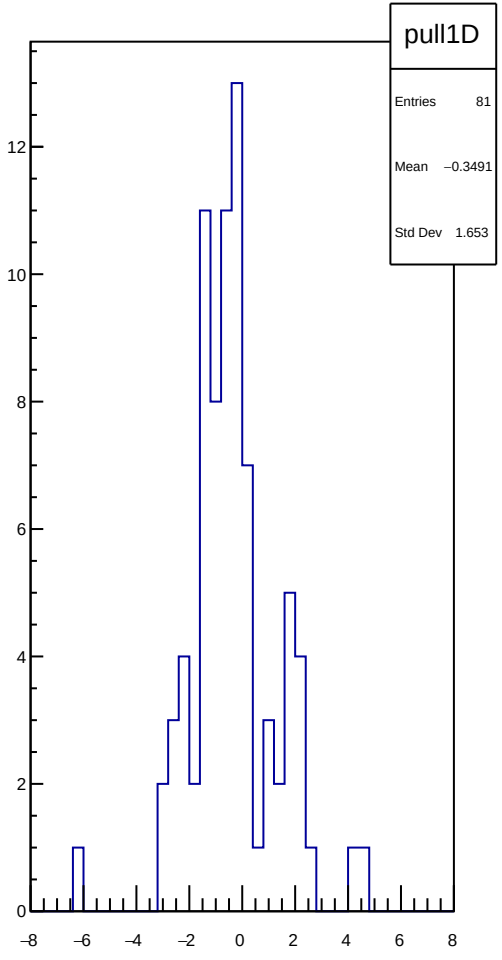

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.43 / 80
p0 5.585 ± 1.523
pull
Entries 81
Mean −24.02
Std Dev 30.77

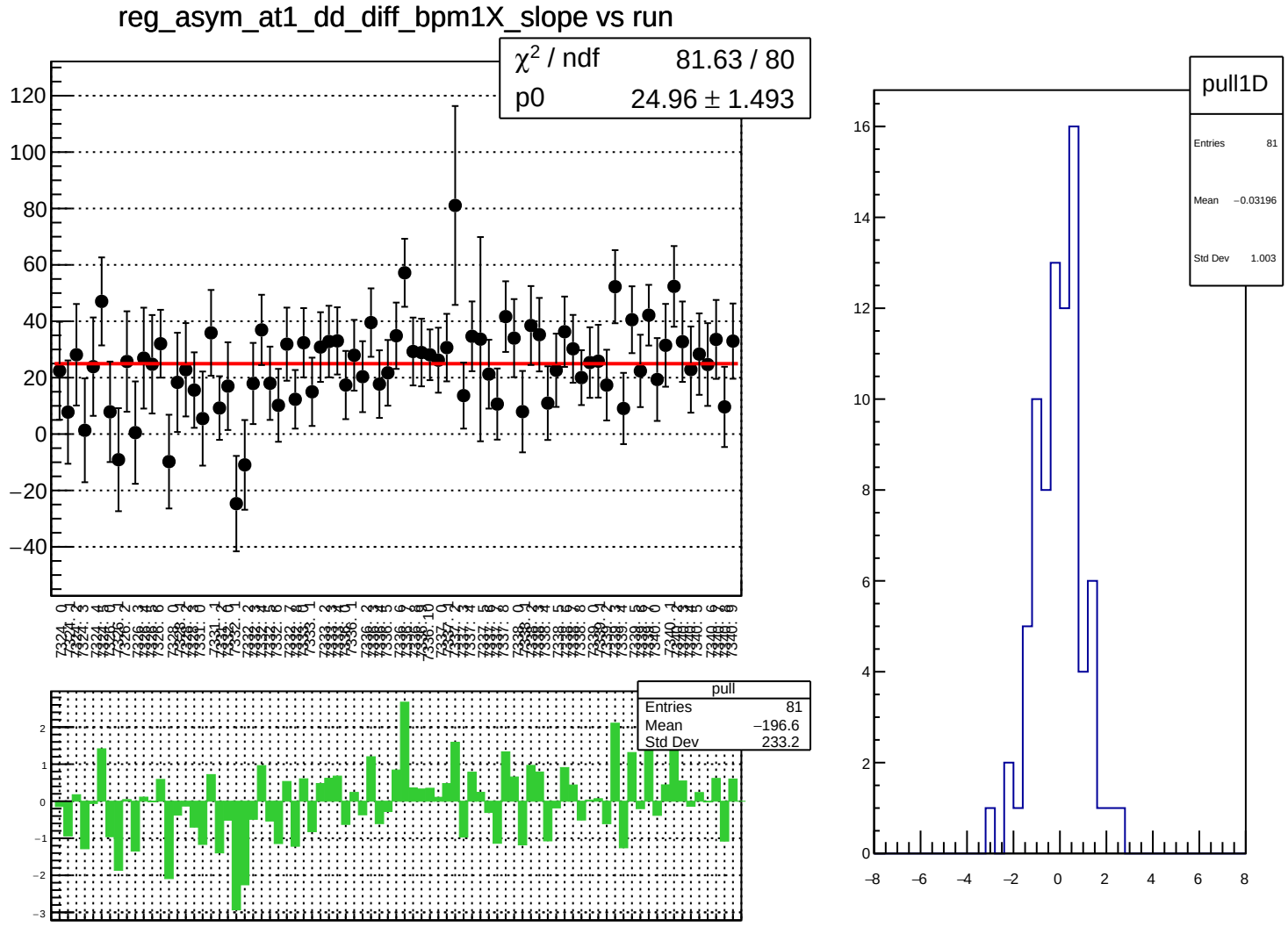

pull1D
Entries 81
Mean 0.0422
Std Dev 1.079

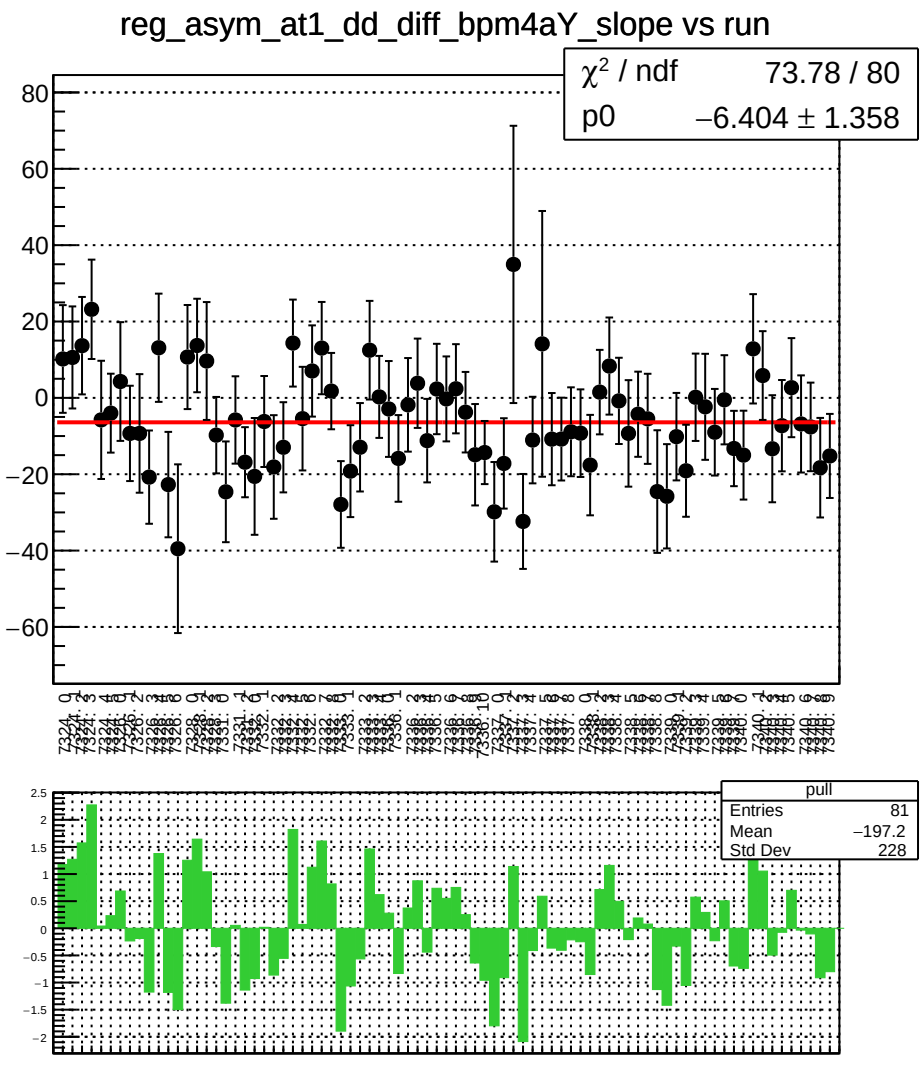

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.16 / 80
p0 −10.91± 1.47
pull
Entries 81
Mean −6502
Std Dev 6546

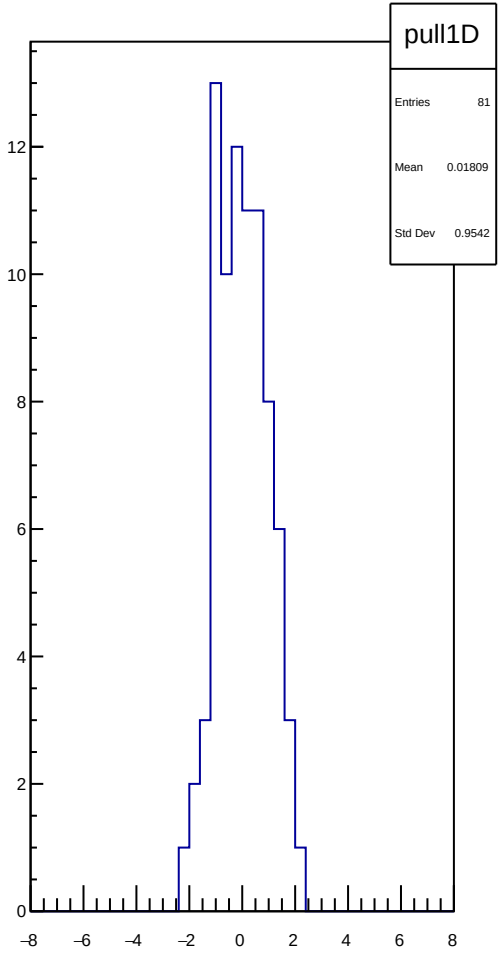

pull1D
Entries 81
Mean −0.0006107
Std Dev 1.007

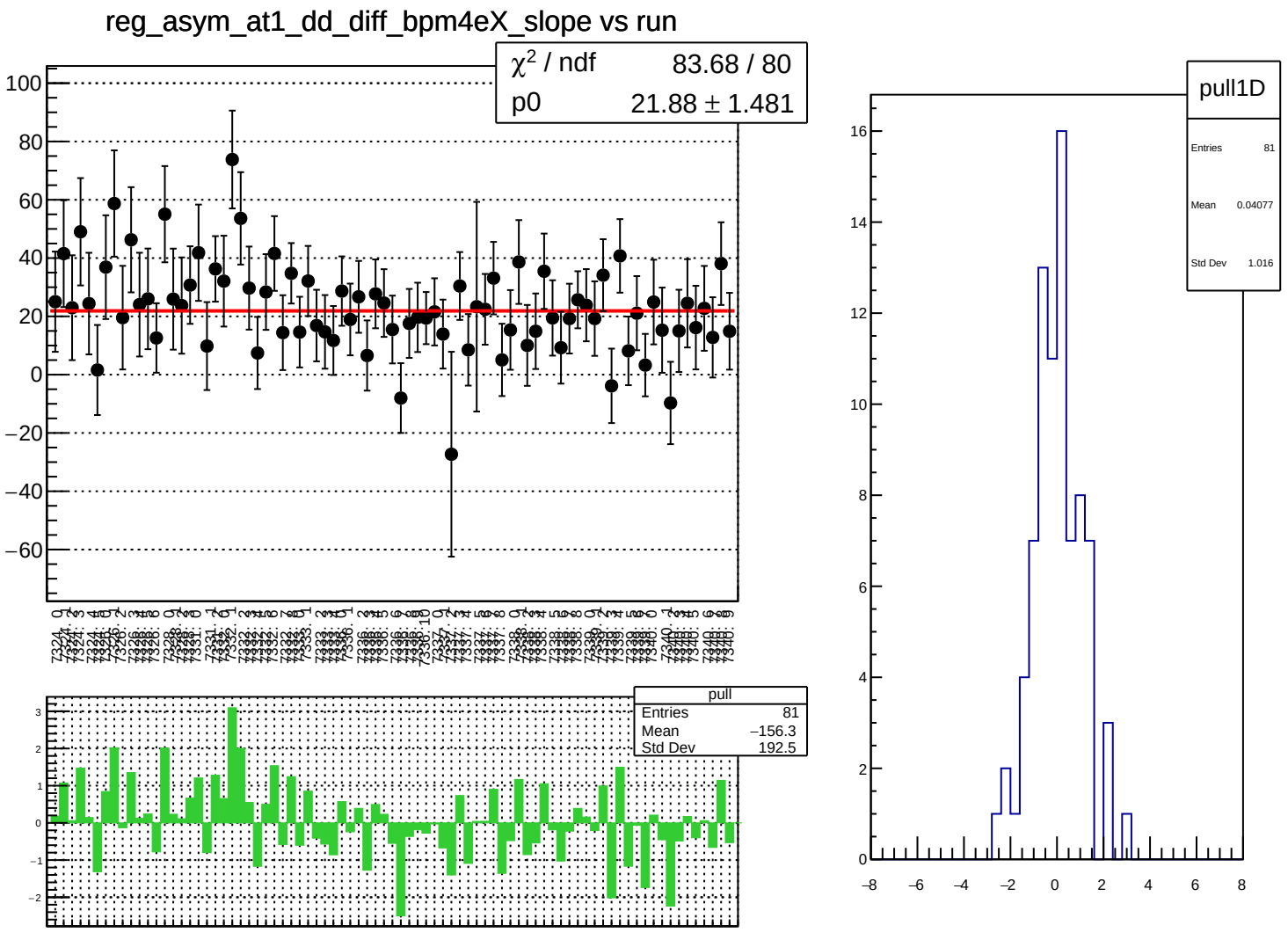

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 450 / 80
p0 −13.21 ± 0.07205
pull
Entries 81
Mean 180.4
Std Dev 140.9

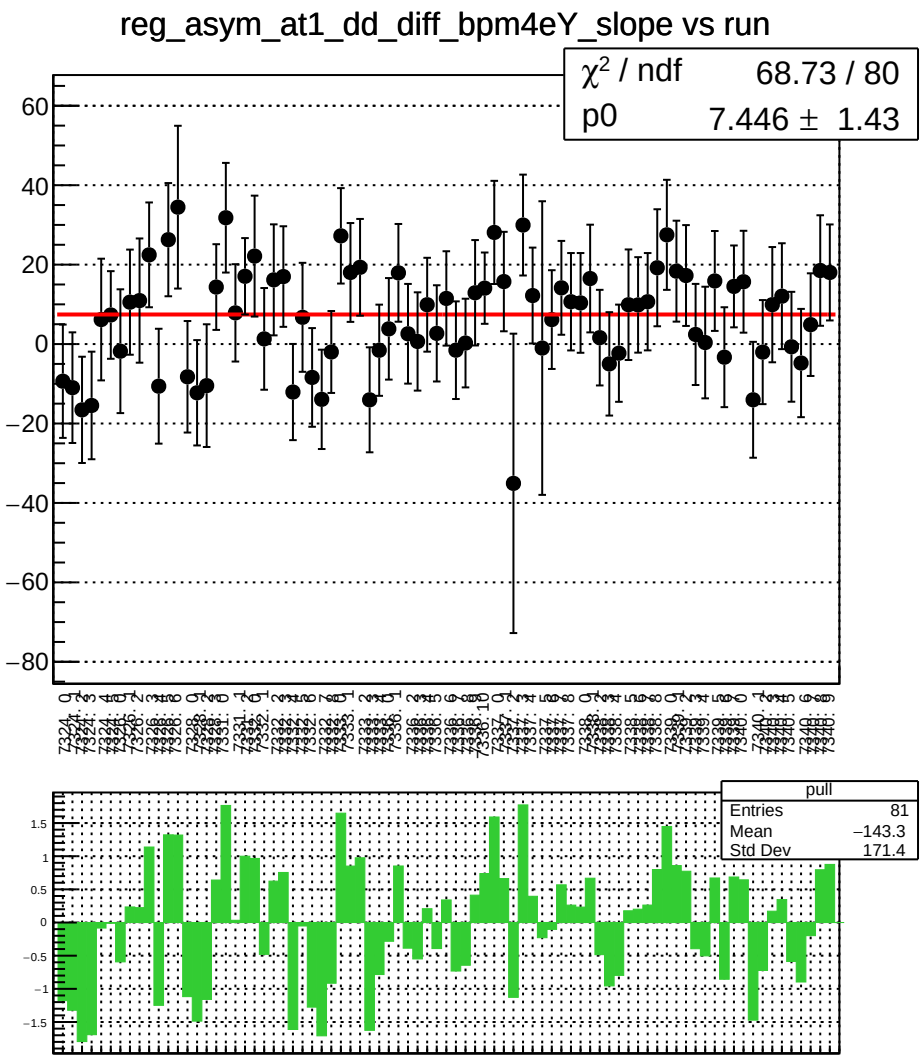

pull1D
Entries 81
Mean −0.3491
Std Dev 1.653

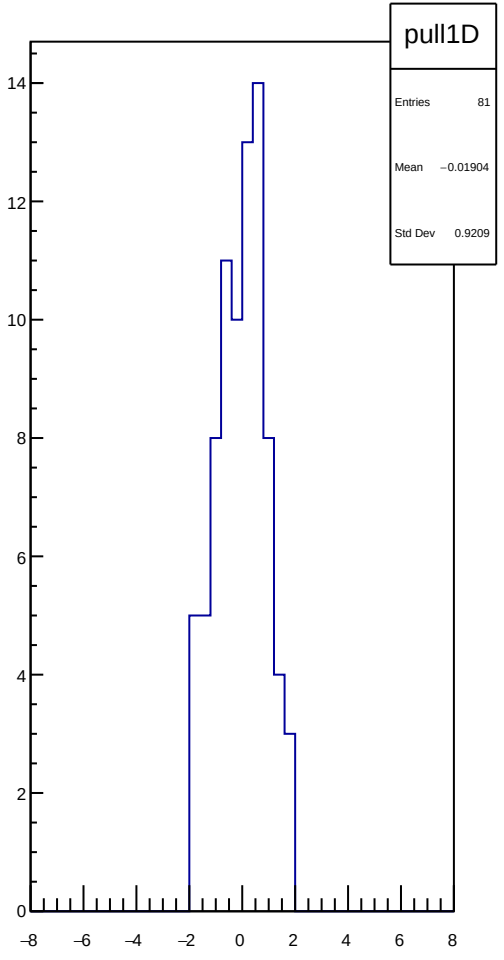

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 81.63 / 80
p0 24.96 ± 1.493
pull
Entries 81
Mean −196.6
Std Dev 233.2
pull1D
Entries 81
Mean −0.03196
Std Dev 1.003

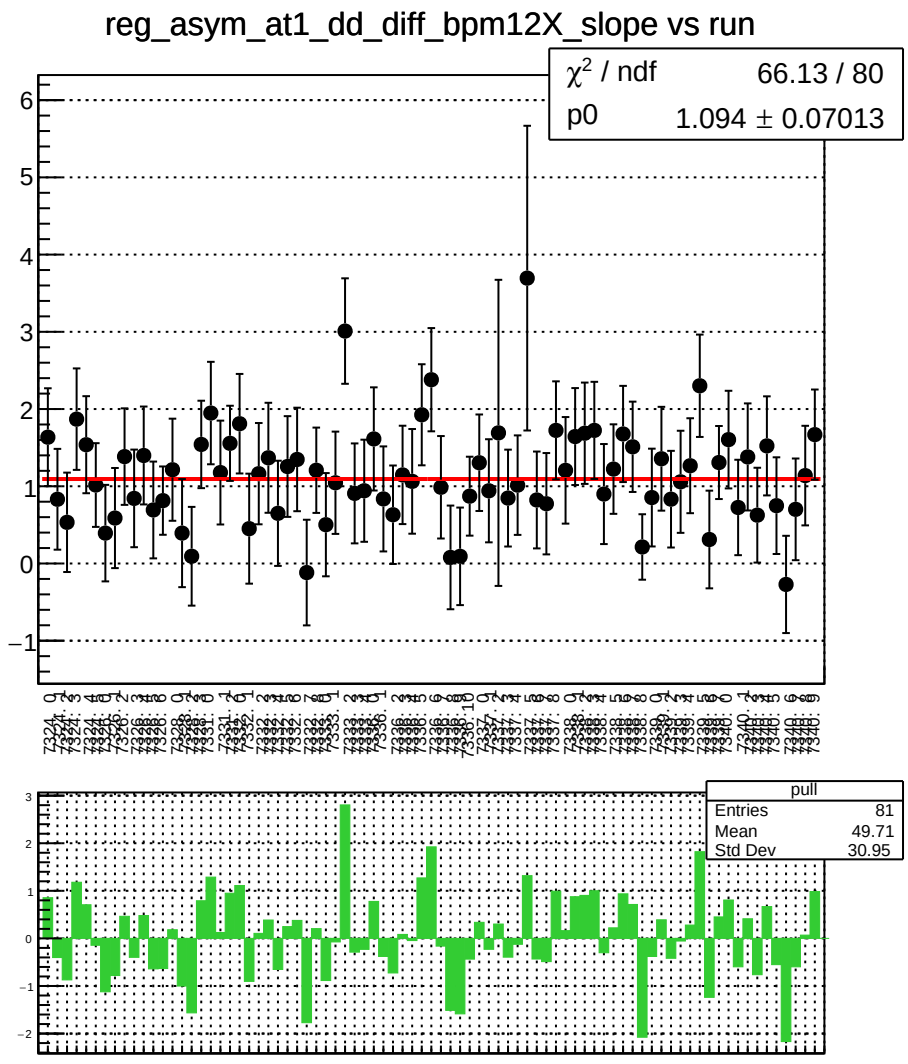

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.78 / 80
p0 −6.404 ± 1.358
pull
Entries 81
Mean −197.2
Std Dev 228

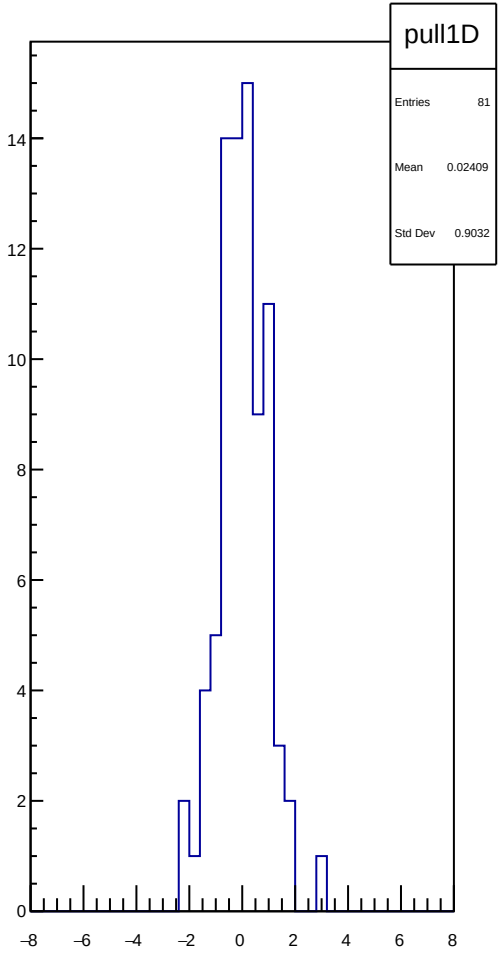

pull1D
Entries 81
Mean 0.01809
Std Dev 0.9542

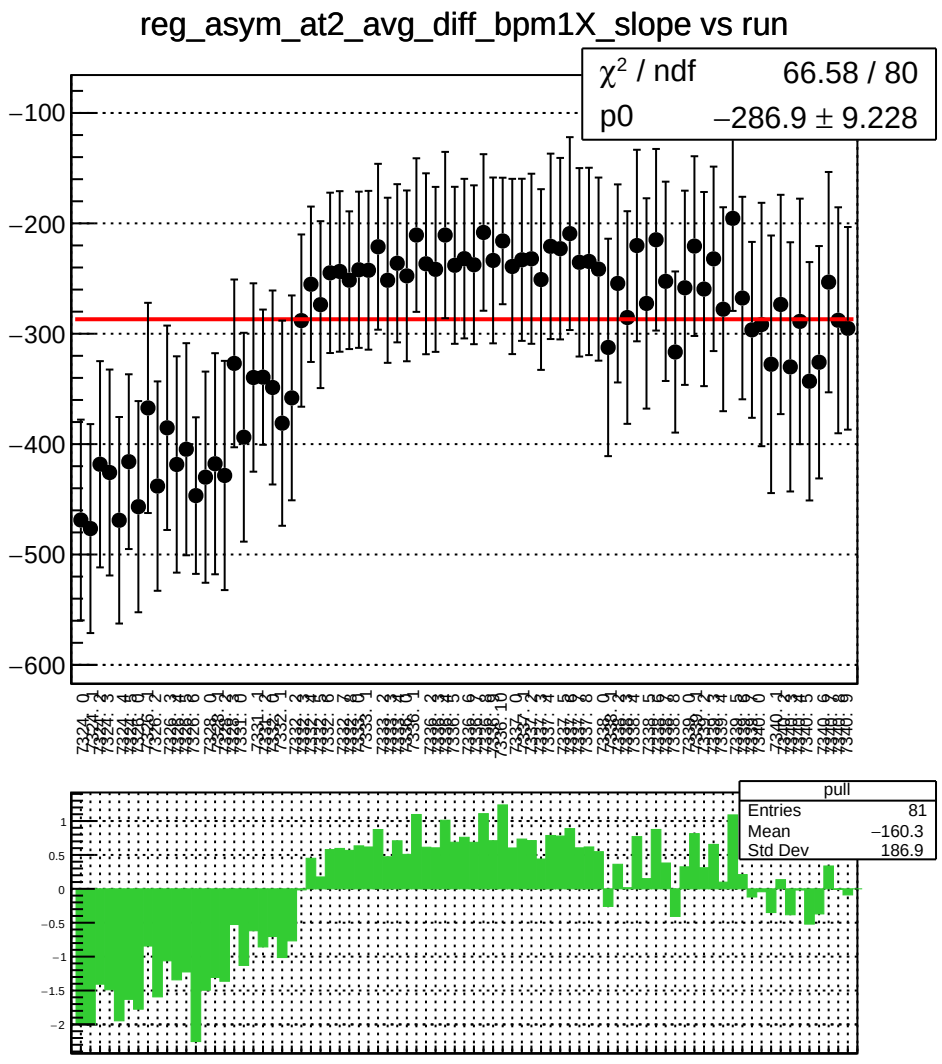

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.68 / 80
p0 21.88 ± 1.481
pull
Entries 81
Mean −156.3
Std Dev 192.5
pull1D
Entries 81
Mean 0.04077
Std Dev 1.016

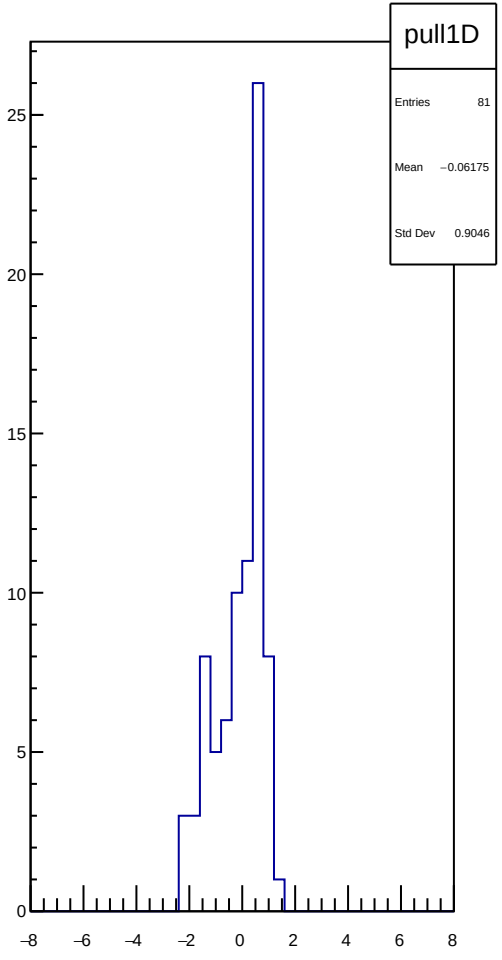

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.73 / 80
p0 7.446 ± 1.43
pull
Entries 81
Mean −143.3
Std Dev 171.4

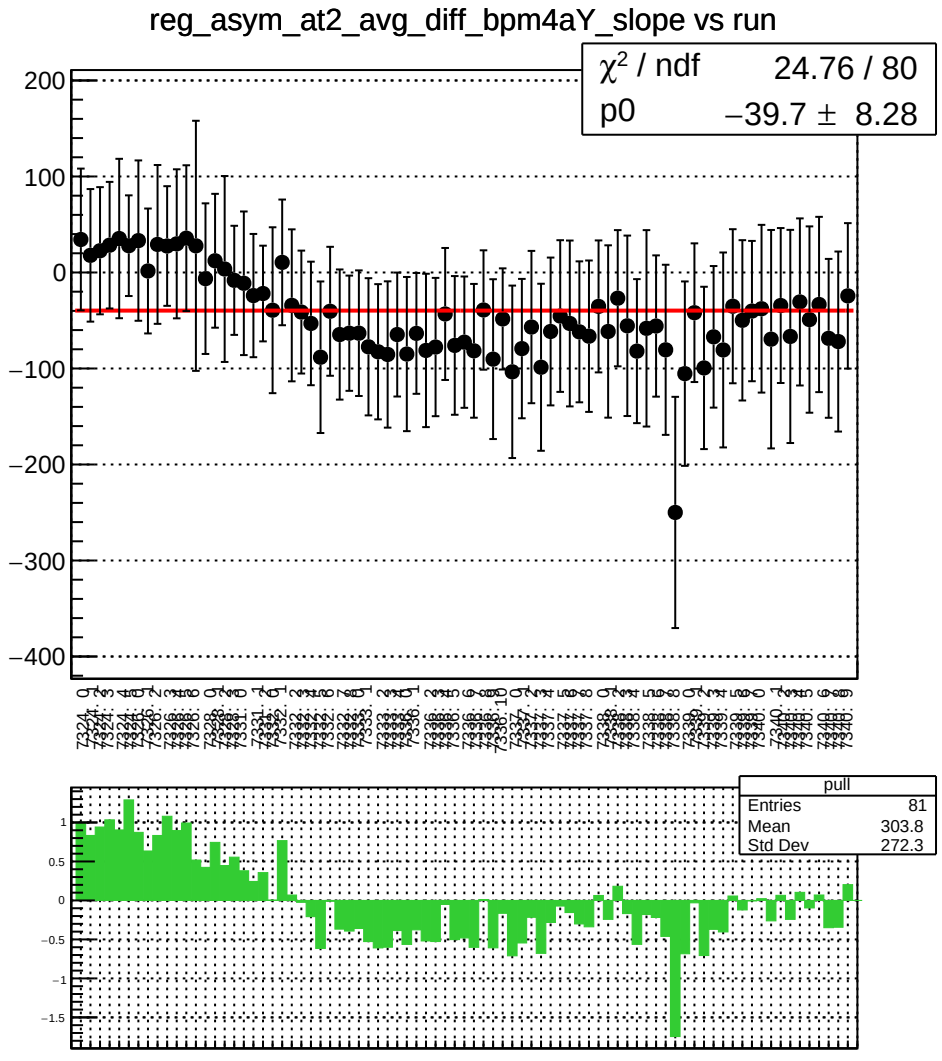

pull1D
Entries 81
Mean −0.01904
Std Dev 0.9209

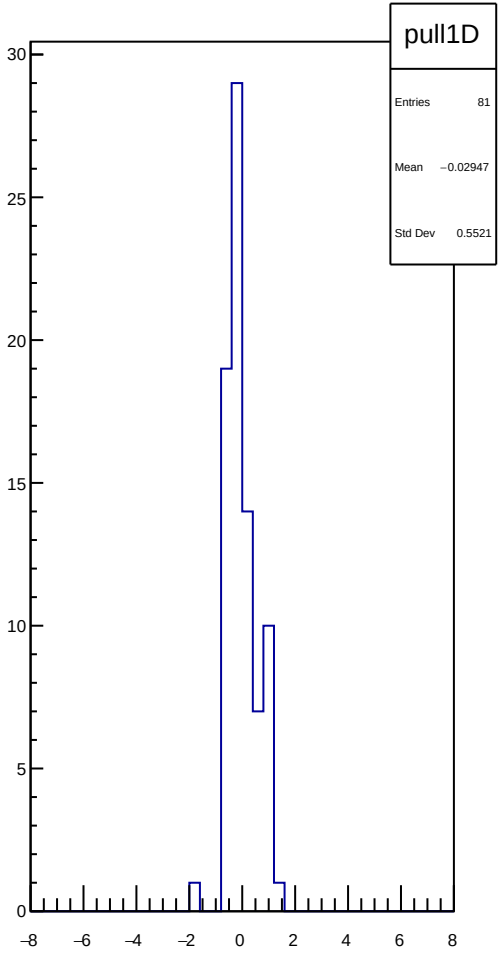

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 66.13 / 80
p0 1.094 ± 0.07013
pull
Entries 81
Mean 49.71
Std Dev 30.95

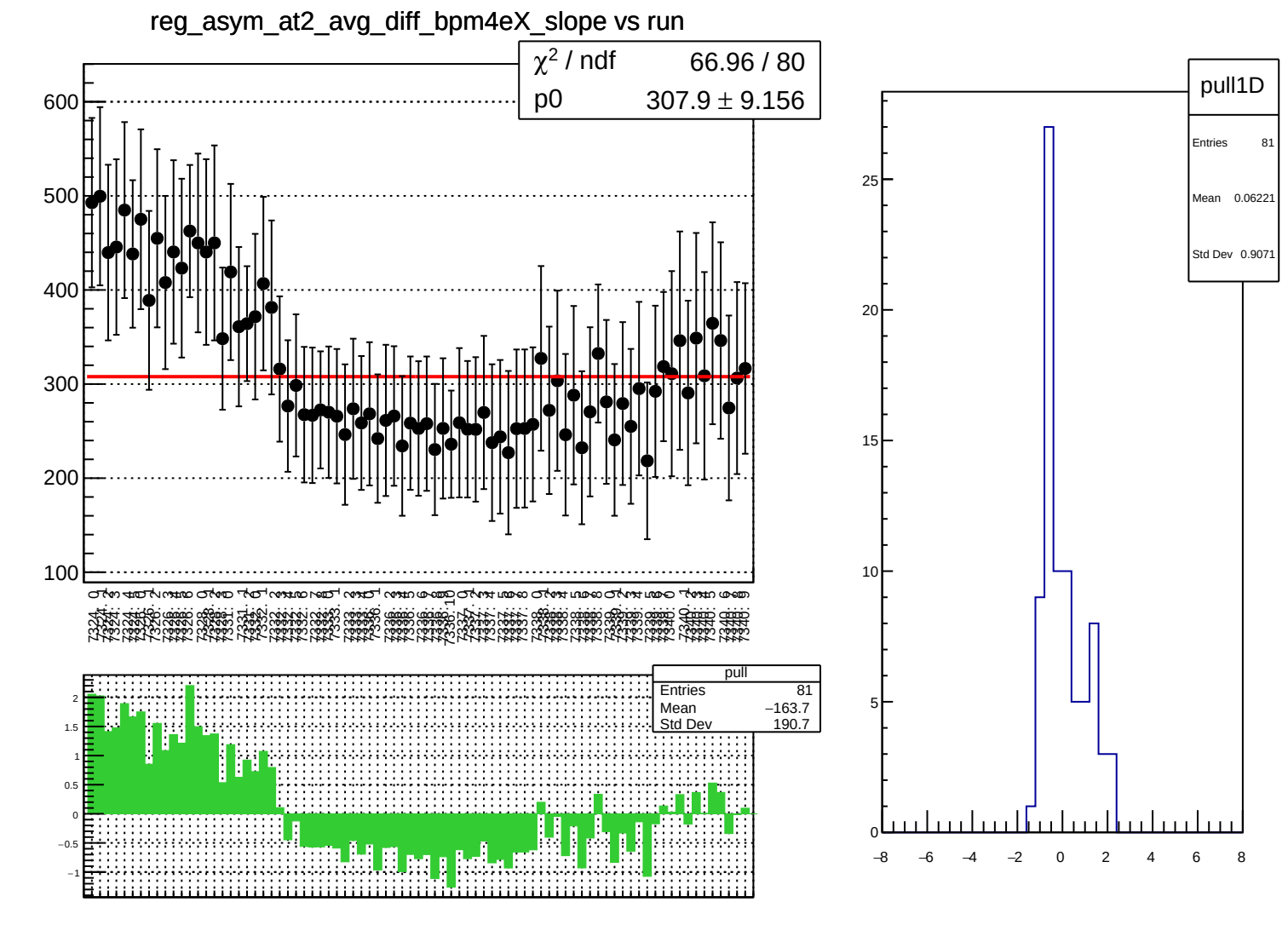

pull1D
Entries 81
Mean 0.02409
Std Dev 0.9032

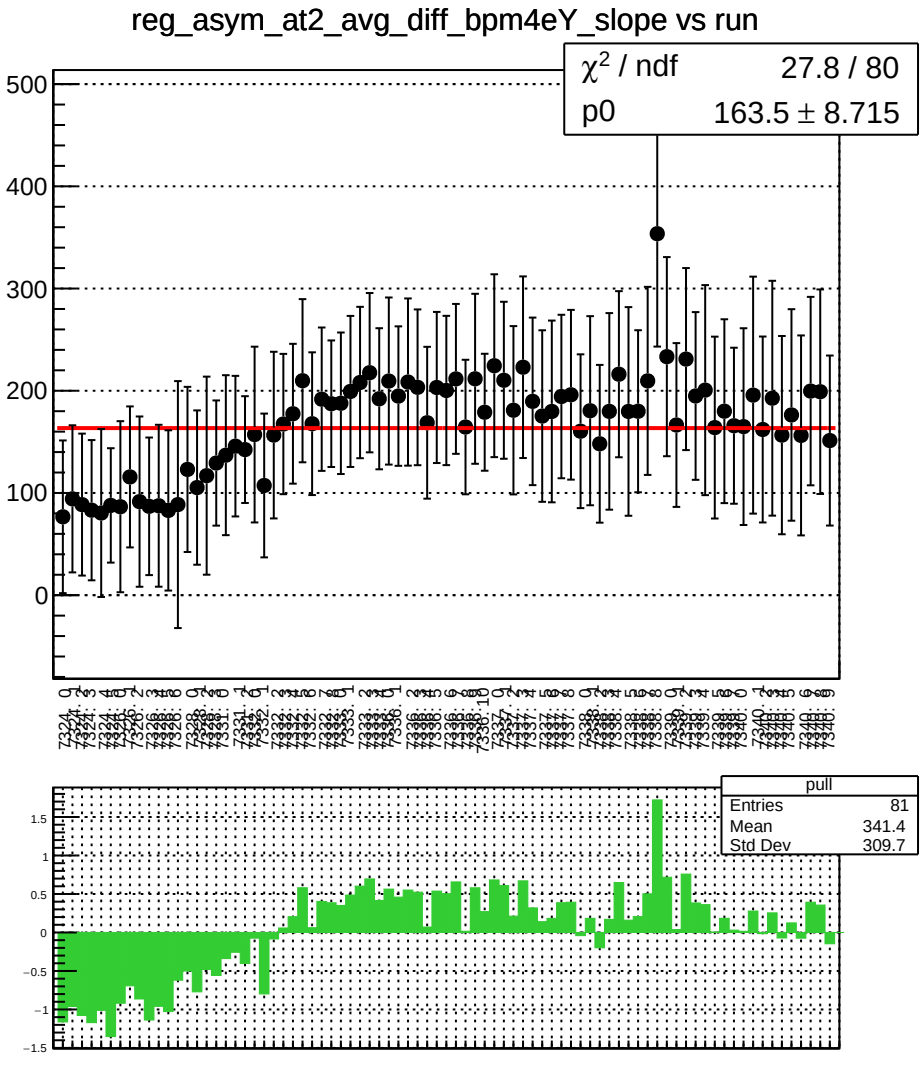

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 66.58 / 80
p0 −286.9 ± 9.228
pull
Entries 81
Mean −160.3
Std Dev 186.9

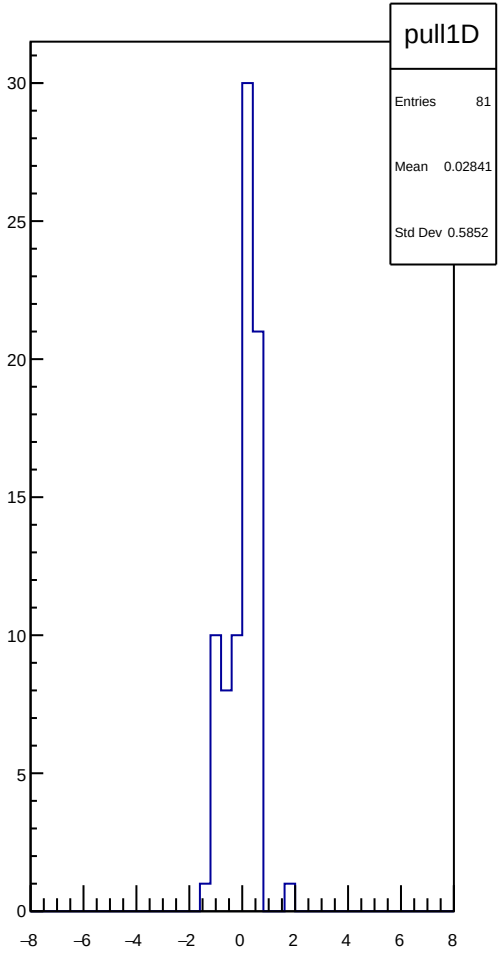

pull1D
Entries 81
Mean −0.06175
Std Dev 0.9046

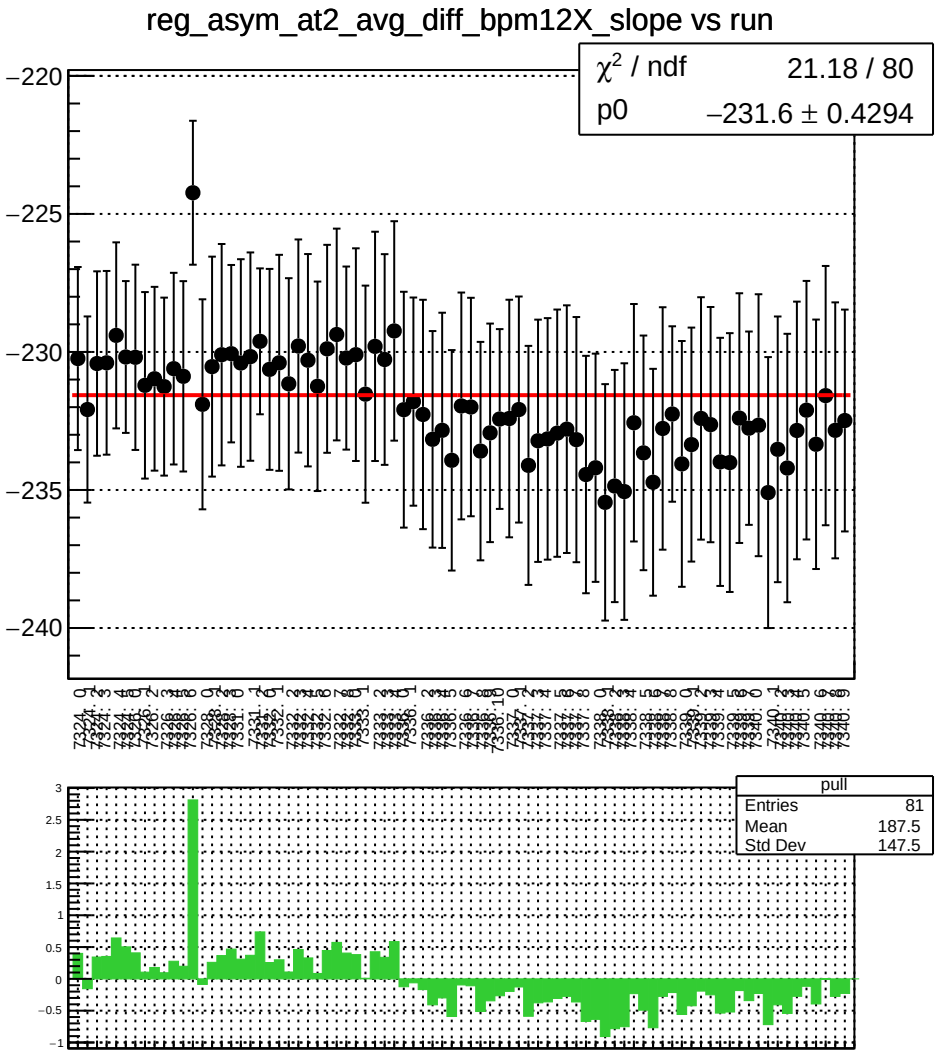

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.76 / 80
p0 −39.7 ± 8.28
pull
Entries 81
Mean 303.8
Std Dev 272.3

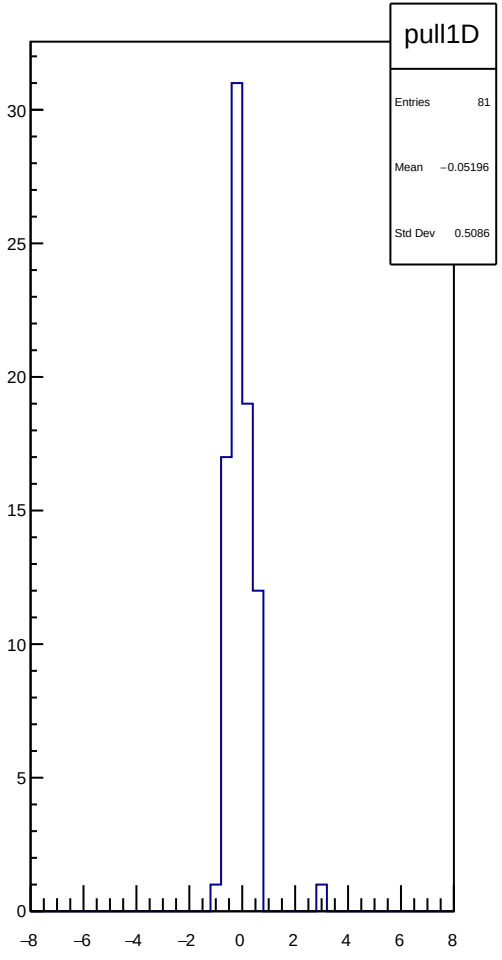

pull1D
Entries 81
Mean −0.02947
Std Dev 0.5521

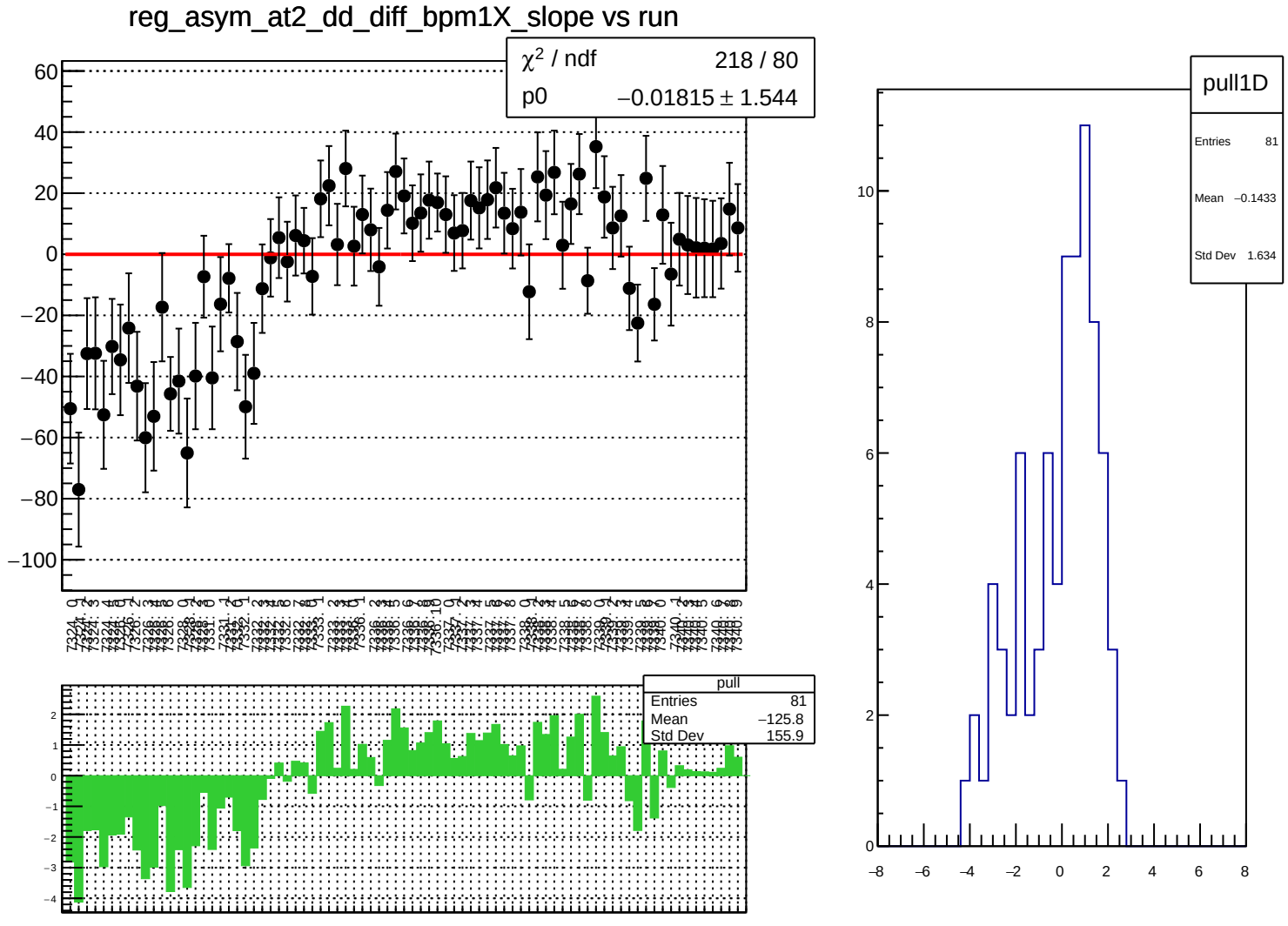

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.96 / 80
p0 307.9 ± 9.156
pull
Entries 81
Mean −163.7
Std Dev 190.7
pull1D
Entries 81
Mean 0.06221
Std Dev 0.9071

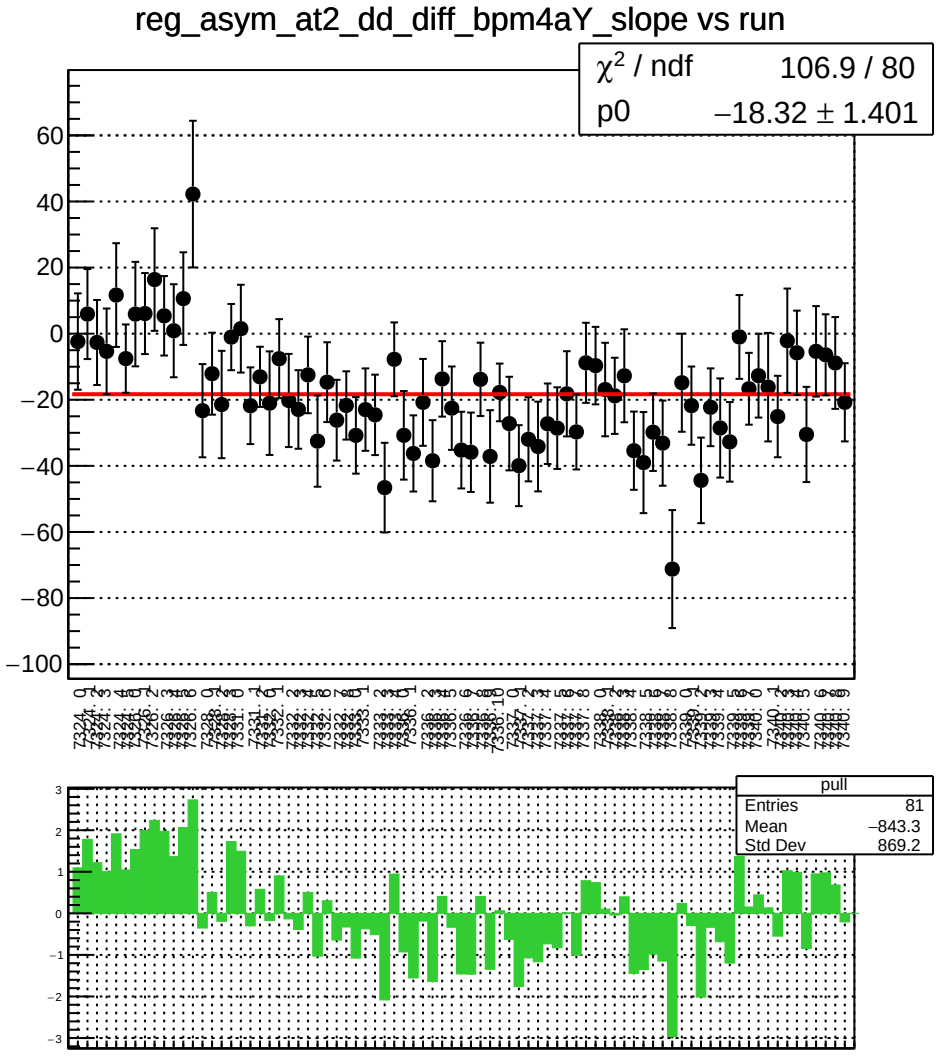

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.8 / 80
p0 163.5 ± 8.715
pull
Entries 81
Mean 341.4
Std Dev 309.7

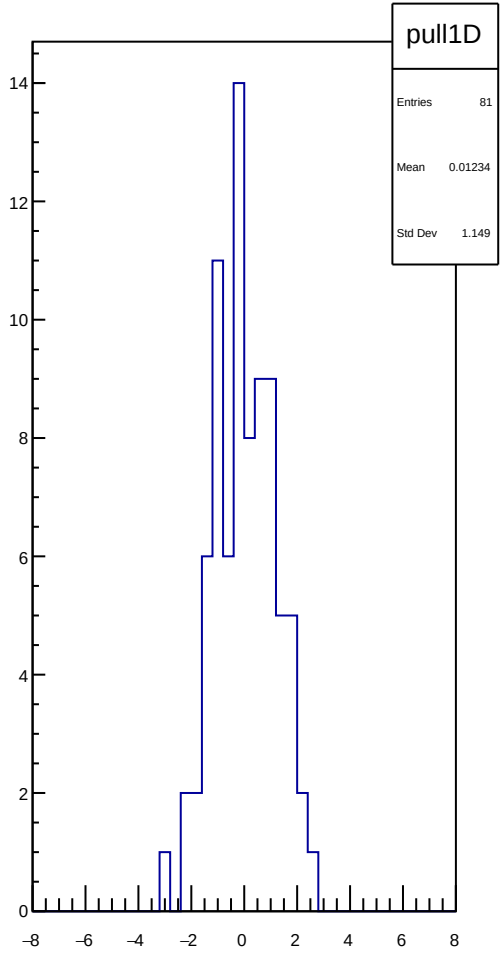

pull1D
Entries 81
Mean 0.02841
Std Dev 0.5852

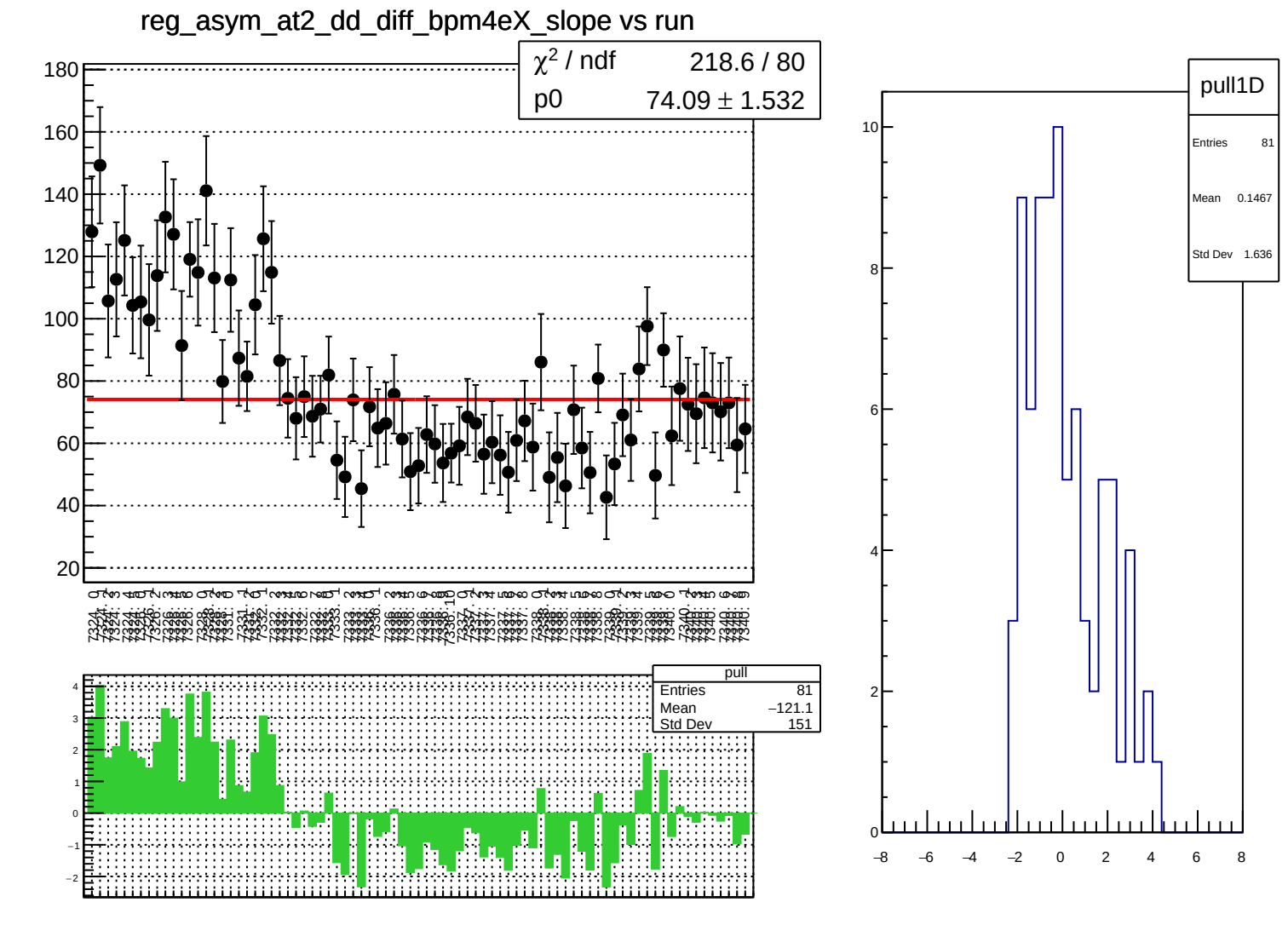

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 21.18 / 80
p0 −231.6 ± 0.4294
−220
−225
−230
−235
−240
pull
Entries 81
Mean 187.5
Std Dev 147.5
3
2.5
2
1.5
1
0.5
0
−0.5
−1

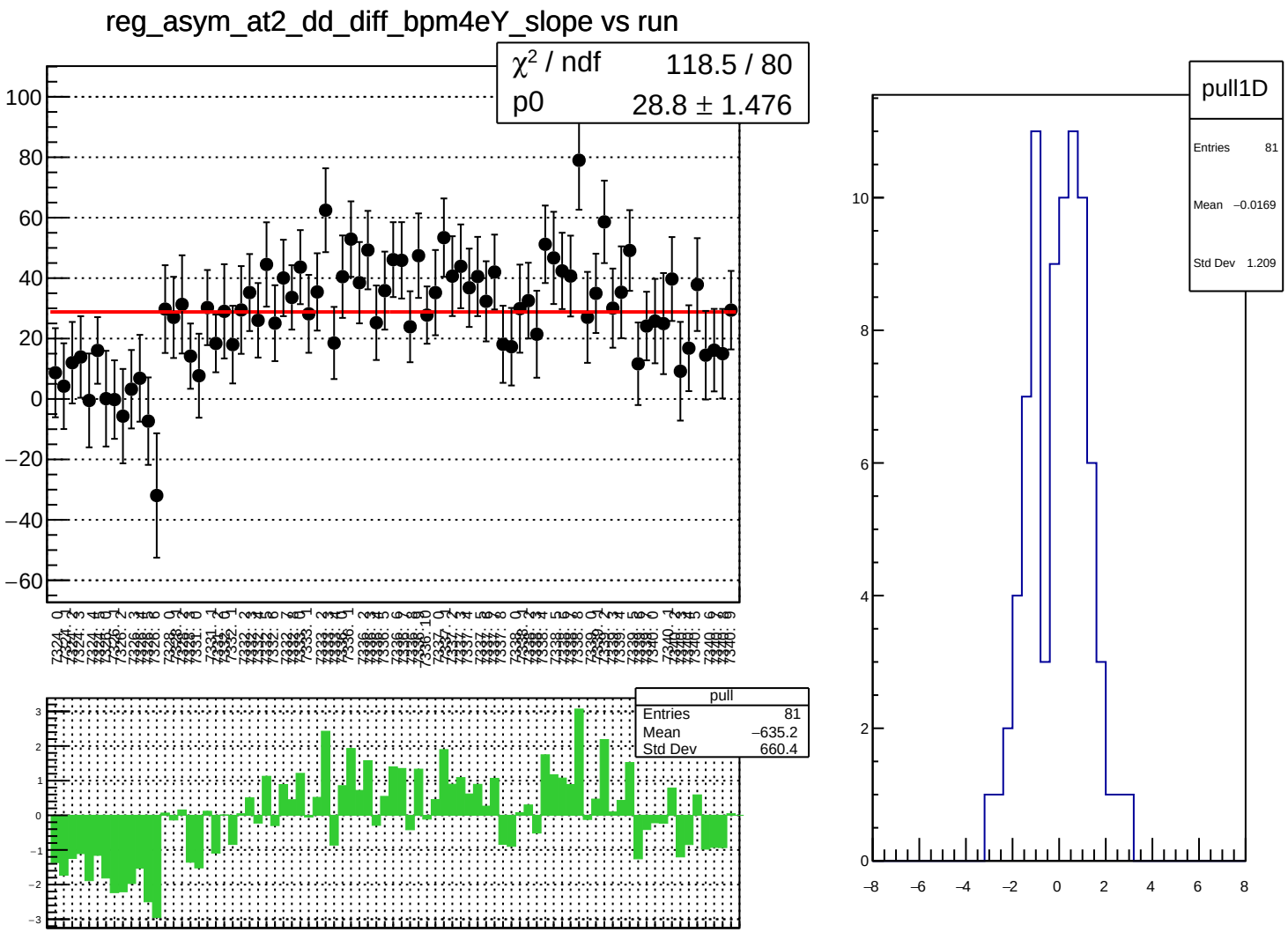

pull1D
Entries 81
Mean −0.05196
Std Dev 0.5086
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

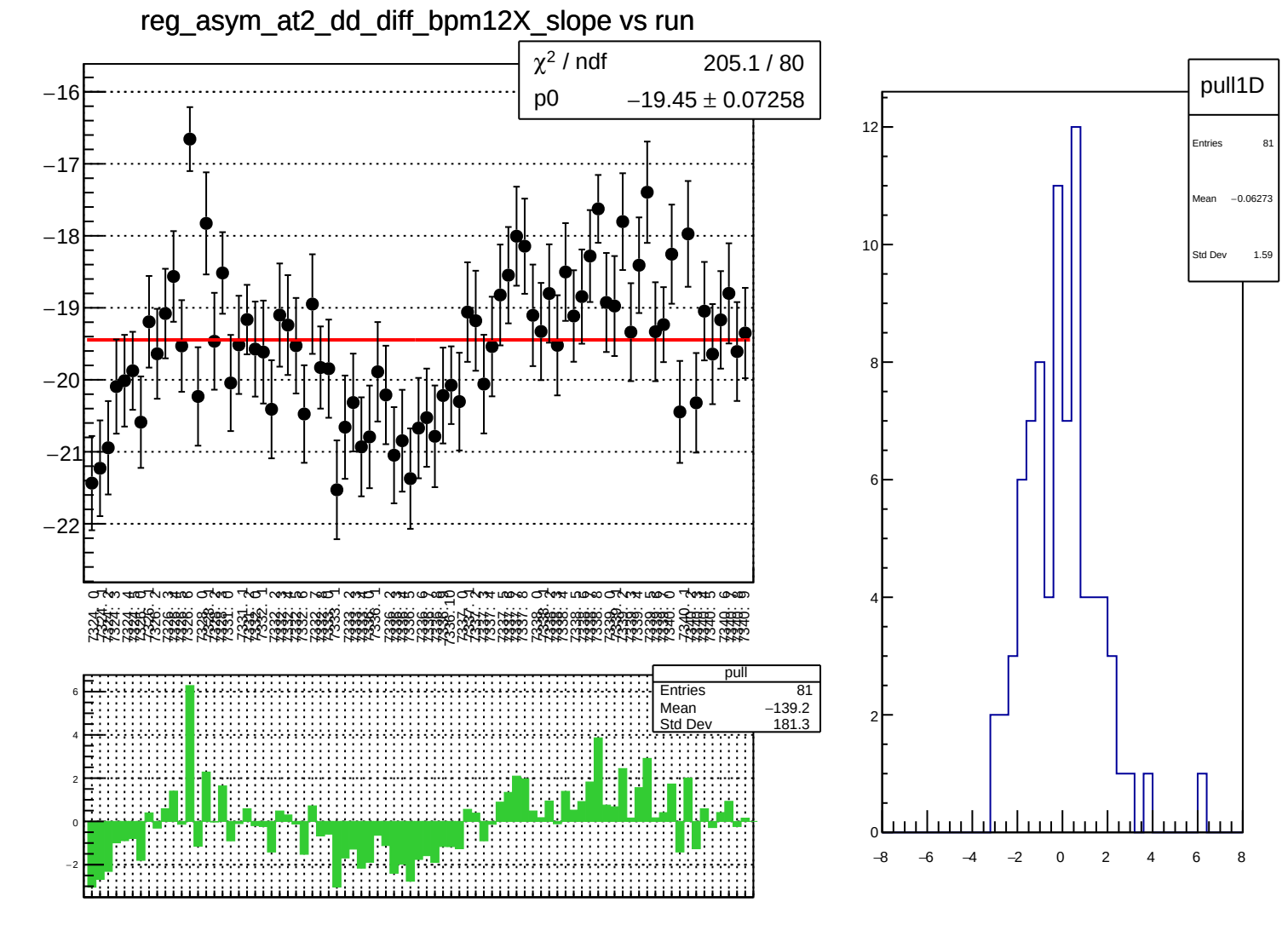

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 218 / 80
p0 −0.01815 ± 1.544
pull
Entries 81
Mean −125.8
Std Dev 155.9
pull1D
Entries 81
Mean −0.1433
Std Dev 1.634

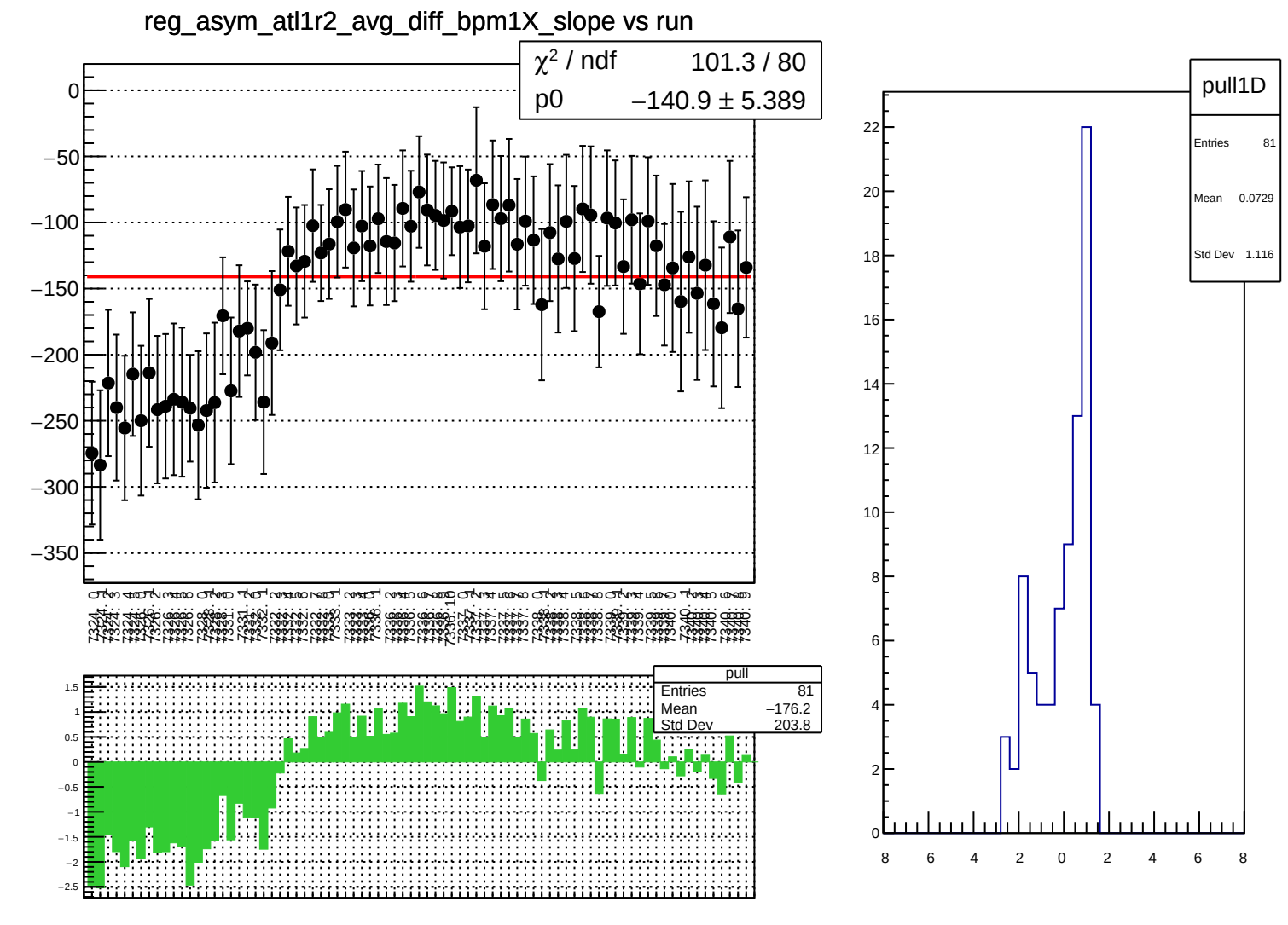

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 106.9 / 80
p0 −18.32 ± 1.401
pull
Entries 81
Mean −843.3
Std Dev 869.2

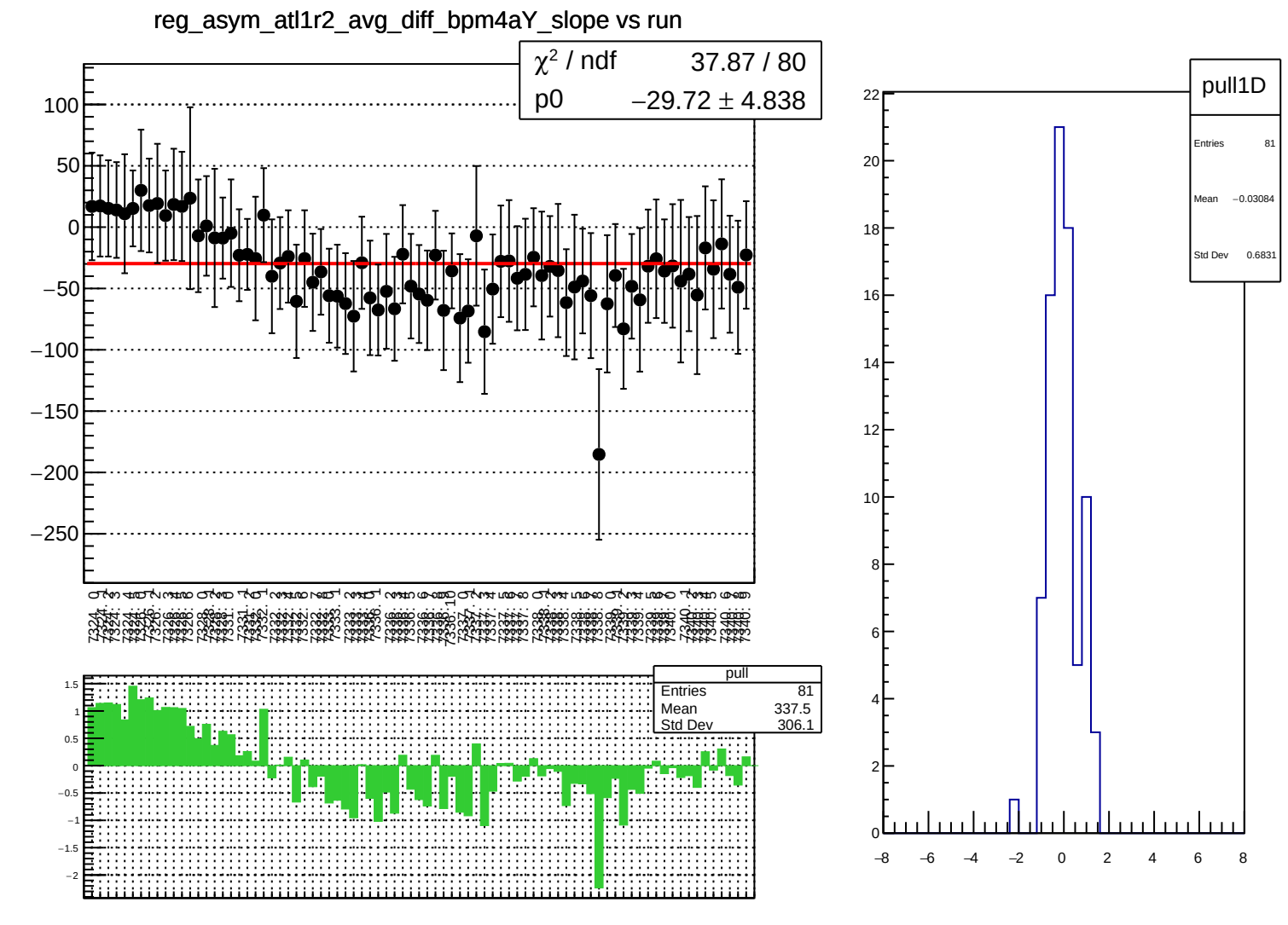

pull1D
Entries 81
Mean 0.01234
Std Dev 1.149

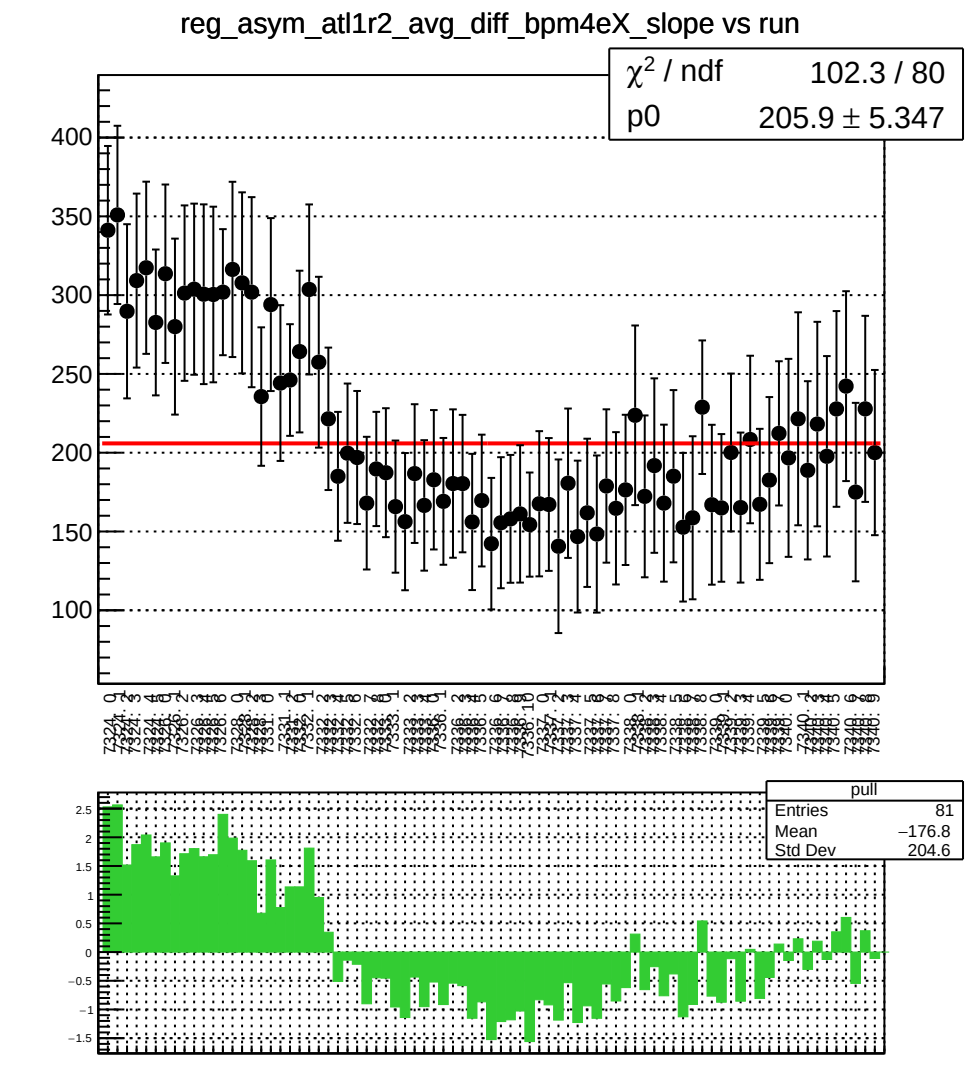

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 218.6 / 80
p0 74.09 ± 1.532
pull
Entries 81
Mean −121.1
Std Dev 151
pull1D
Entries 81
Mean 0.1467
Std Dev 1.636

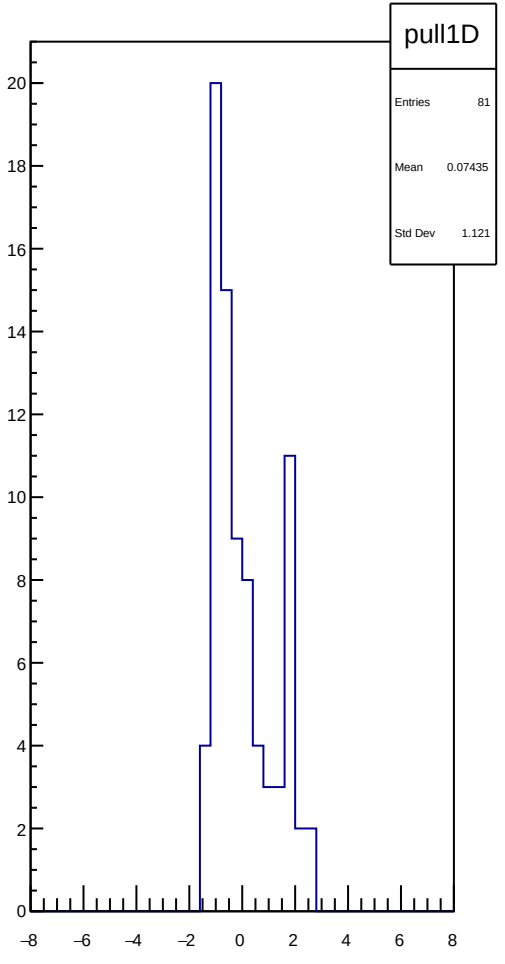

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 118.5 / 80
p0 28.8 ± 1.476
pull
Entries 81
Mean −635.2
Std Dev 660.4
pull1D
Entries 81
Mean −0.0169
Std Dev 1.209

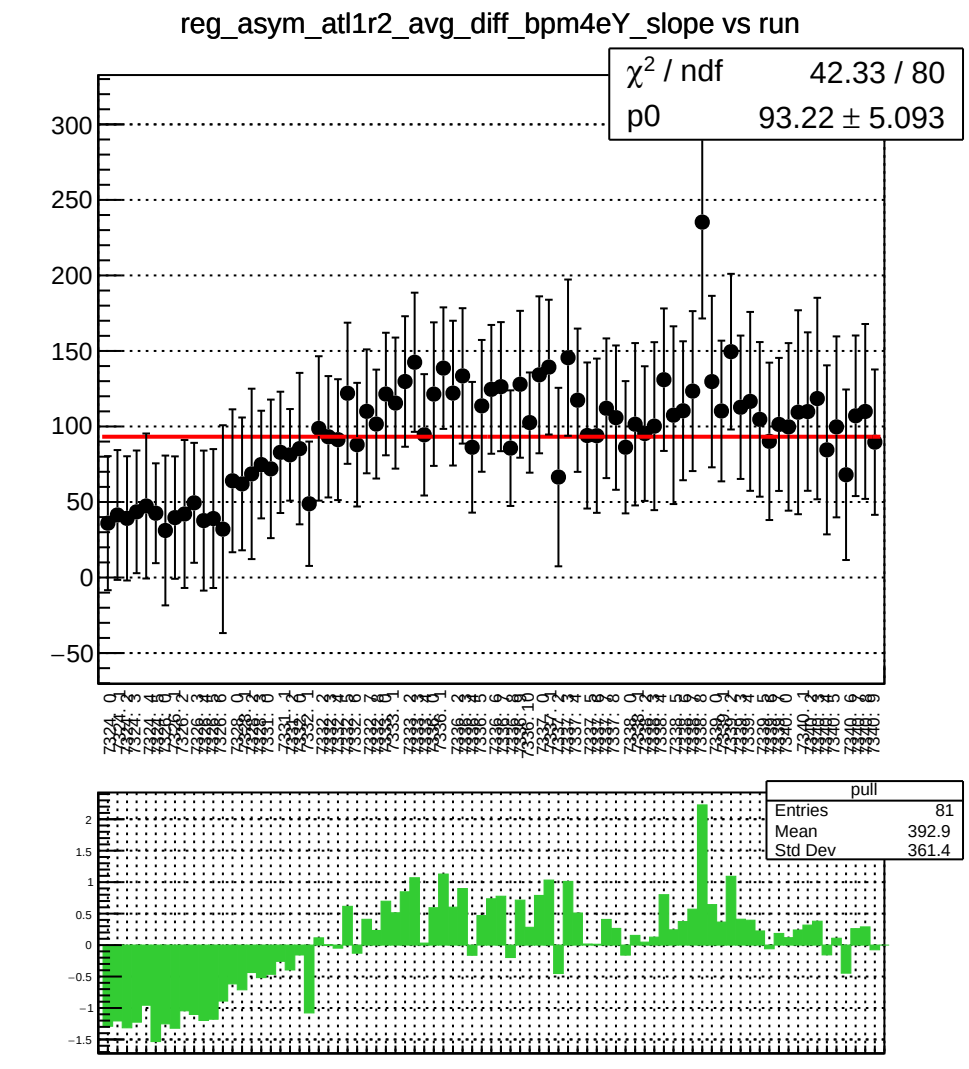

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 205.1 / 80
p0 −19.45 ± 0.07258
pull
Entries 81
Mean −139.2
Std Dev 181.3
pull1D
Entries 81
Mean −0.06273
Std Dev 1.59

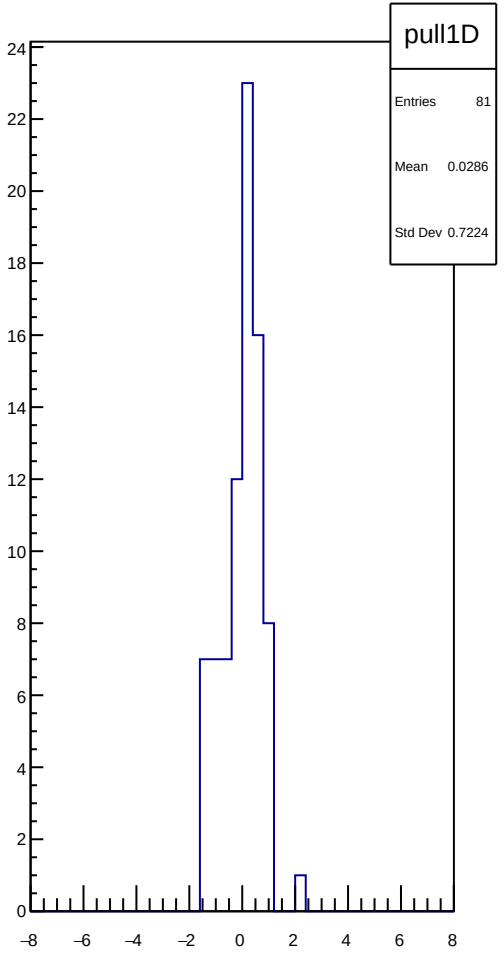

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 101.3 / 80
p0 −140.9 ± 5.389
pull
Entries 81
Mean −176.2
Std Dev 203.8
pull1D
Entries 81
Mean −0.0729
Std Dev 1.116

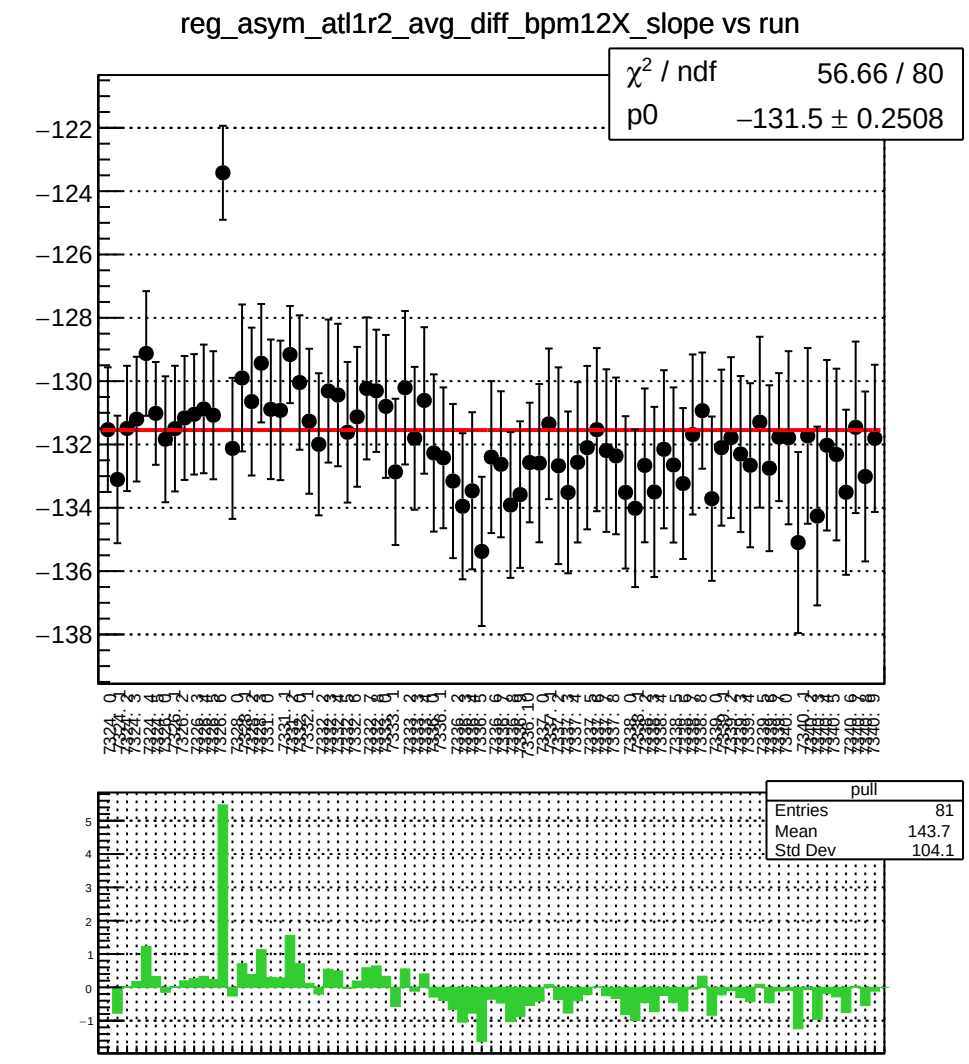

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.87 / 80
p0 −29.72 ± 4.838
pull
Entries 81
Mean 337.5
Std Dev 306.1
pull1D
Entries 81
Mean −0.03084
Std Dev 0.6831

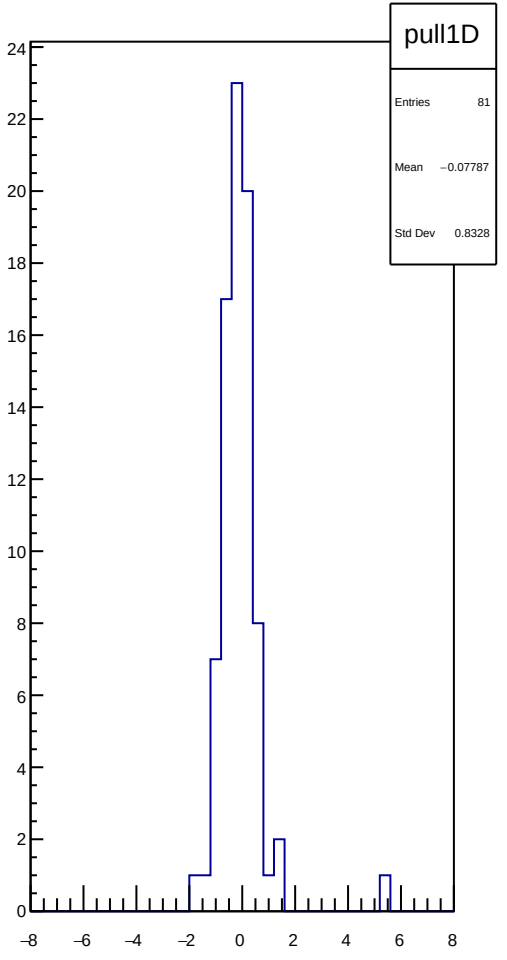

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 102.3 / 80
p0 205.9 ± 5.347
pull
Entries 81
Mean −176.8
Std Dev 204.6

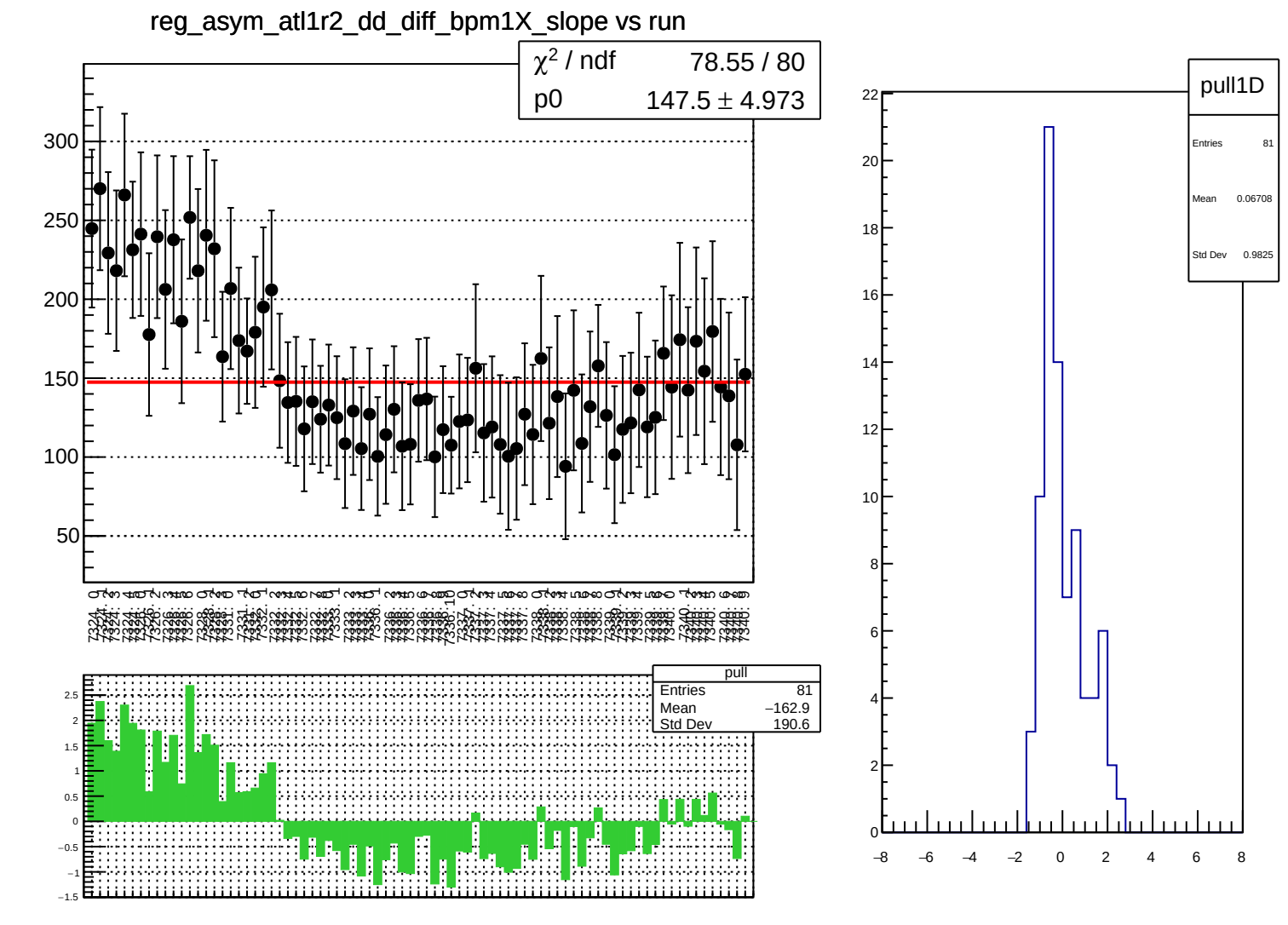

pull1D
Entries 81
Mean 0.07435
Std Dev 1.121

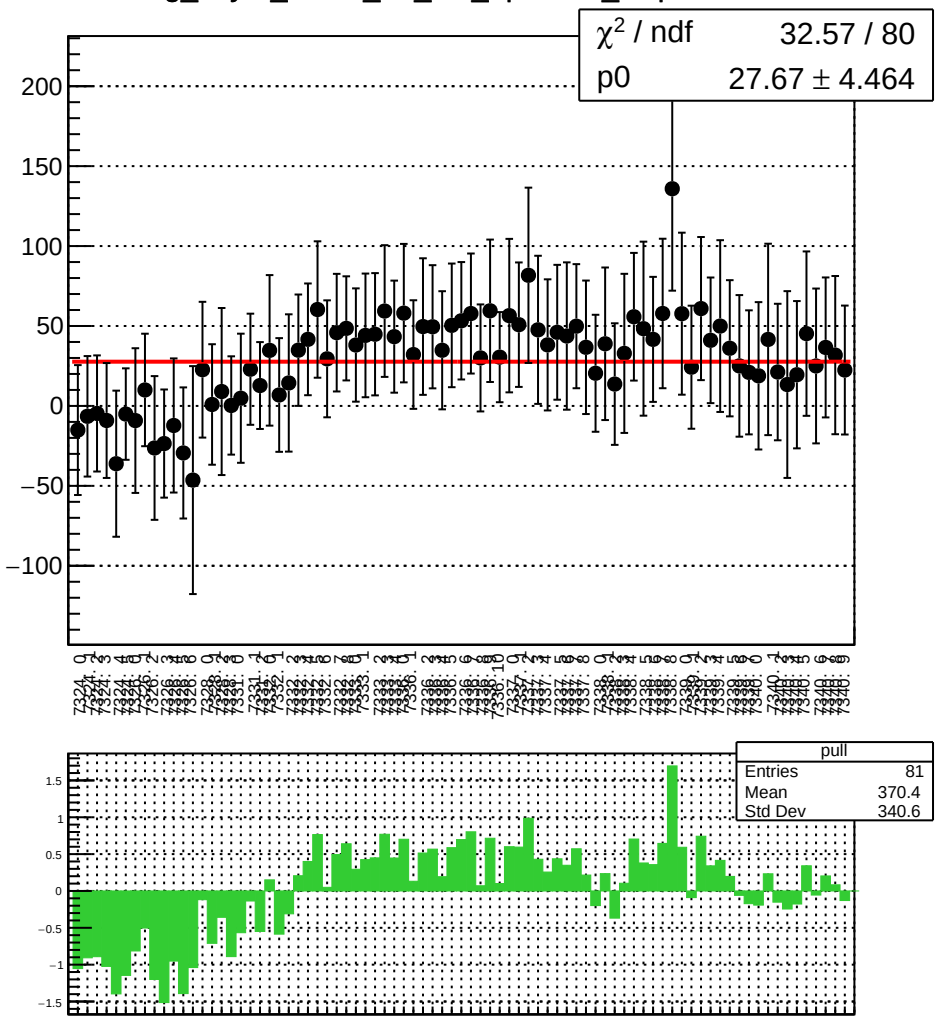

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.33 / 80
p0 93.22 ± 5.093
pull
Entries 81
Mean 392.9
Std Dev 361.4

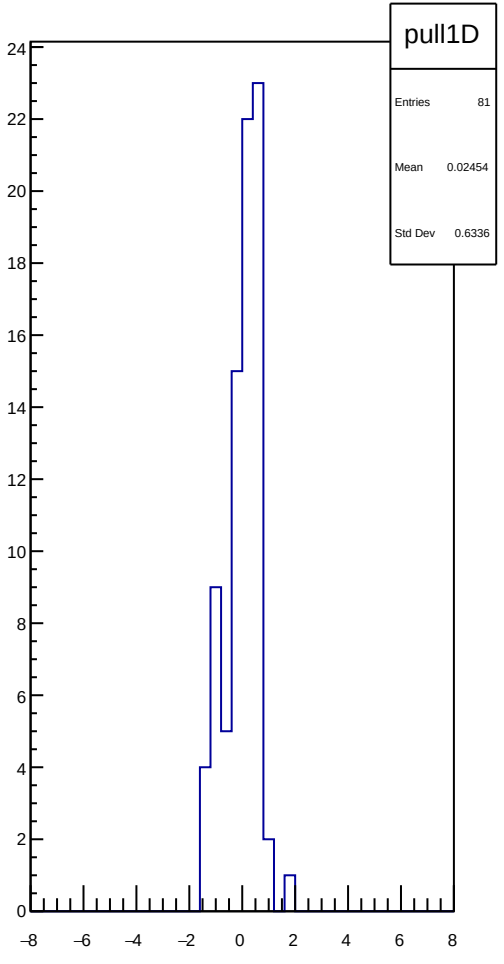

pull1D
Entries 81
Mean 0.0286
Std Dev 0.7224

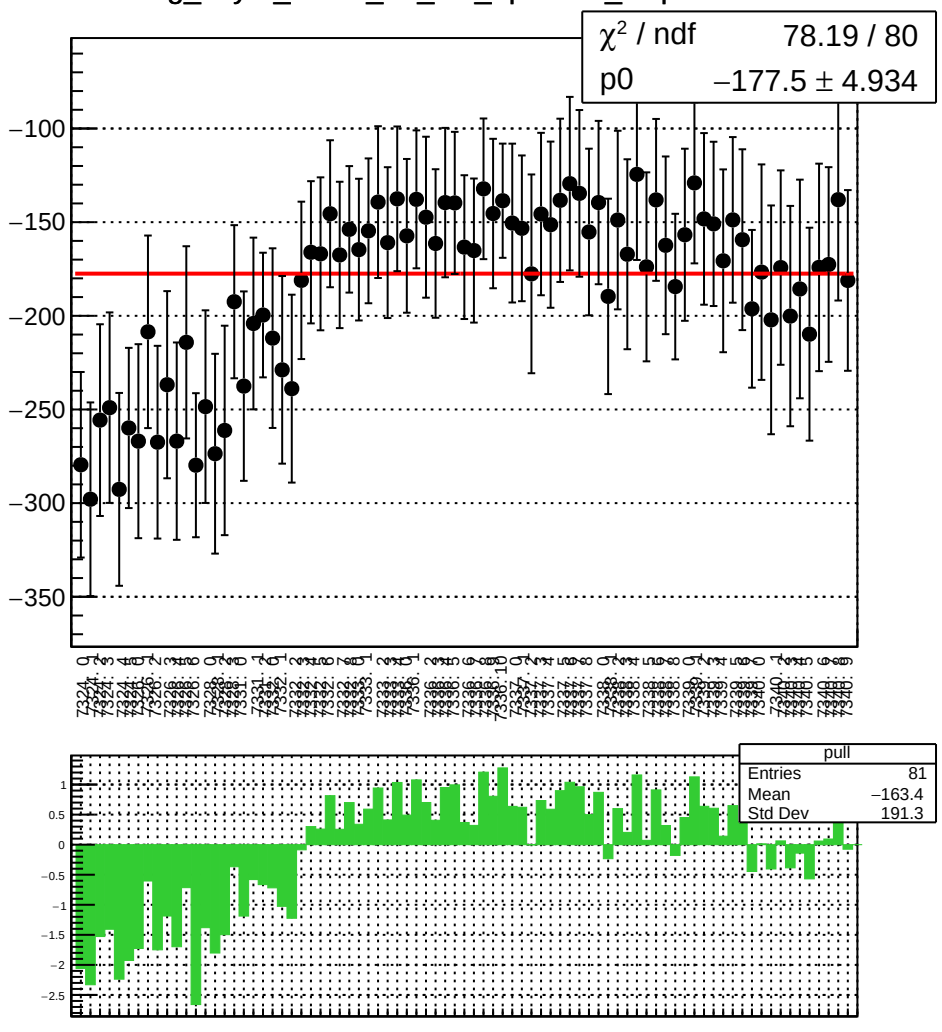

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 56.66 / 80
p0 −131.5 ± 0.2508
pull
Entries 81
Mean 143.7
Std Dev 104.1

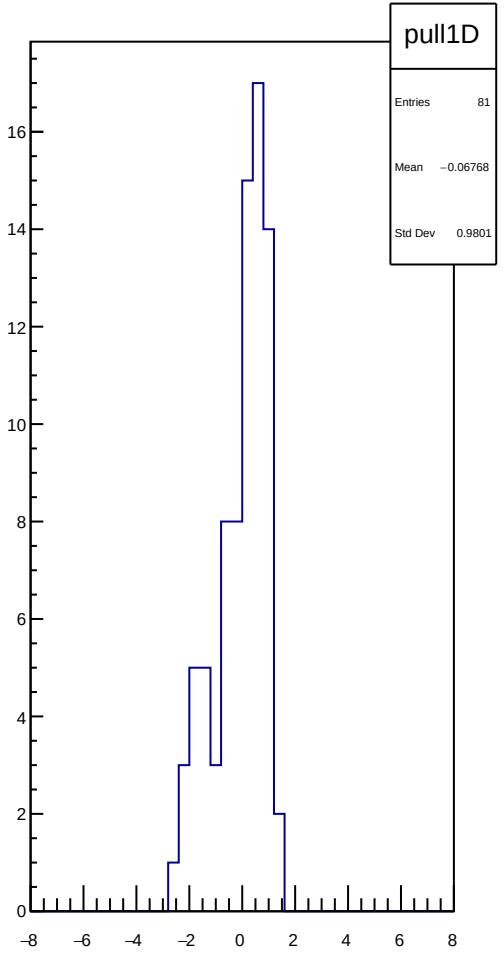

pull1D
Entries 81
Mean −0.07787
Std Dev 0.8328

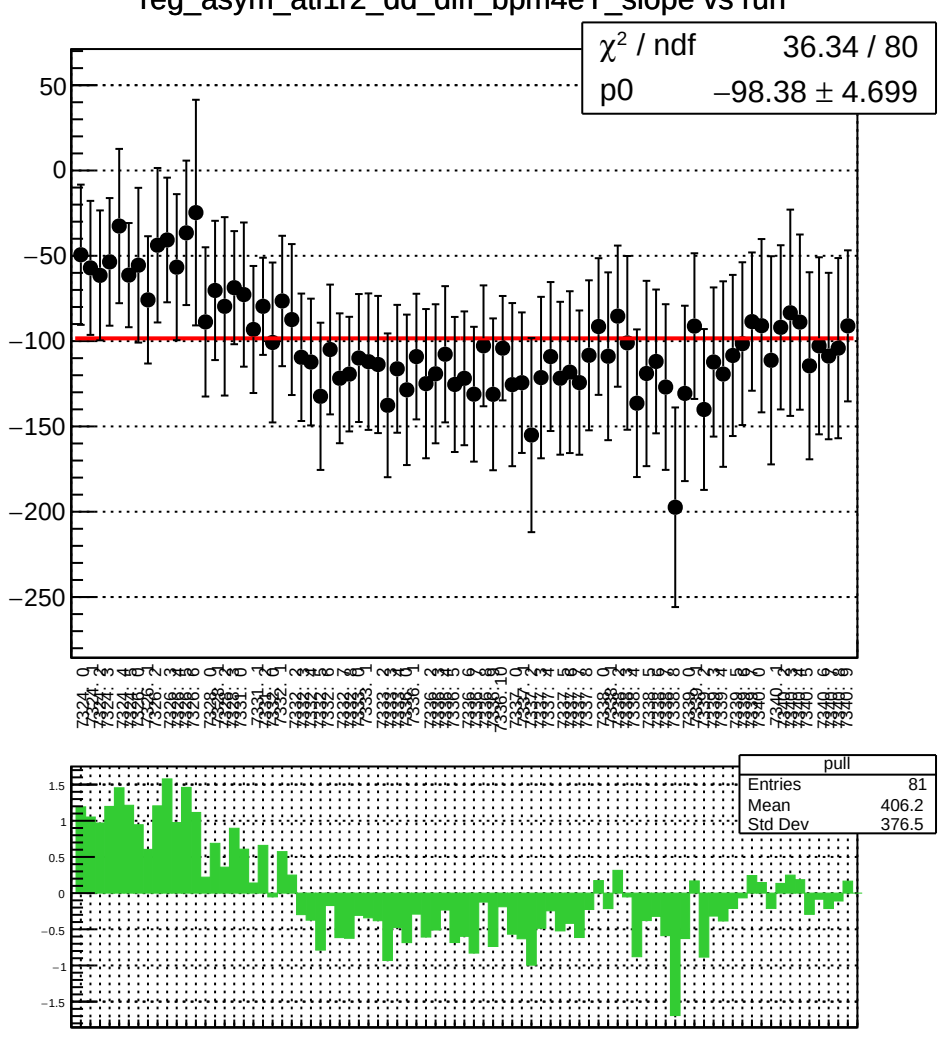

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 78.55 / 80
p0 147.5 ± 4.973
pull
Entries 81
Mean −162.9
Std Dev 190.6
pull1D
Entries 81
Mean 0.06708
Std Dev 0.9825

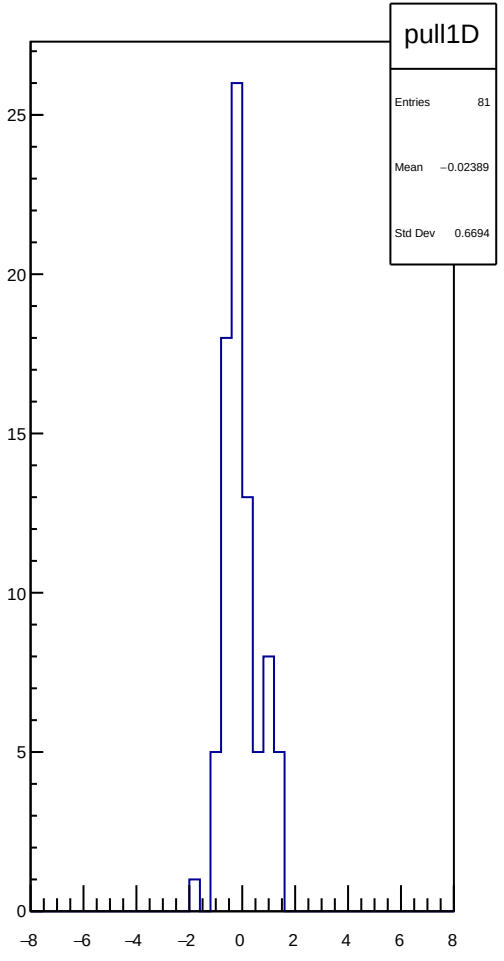

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.57 / 80
p0 27.67 ± 4.464
pull
Entries 81
Mean 370.4
Std Dev 340.6

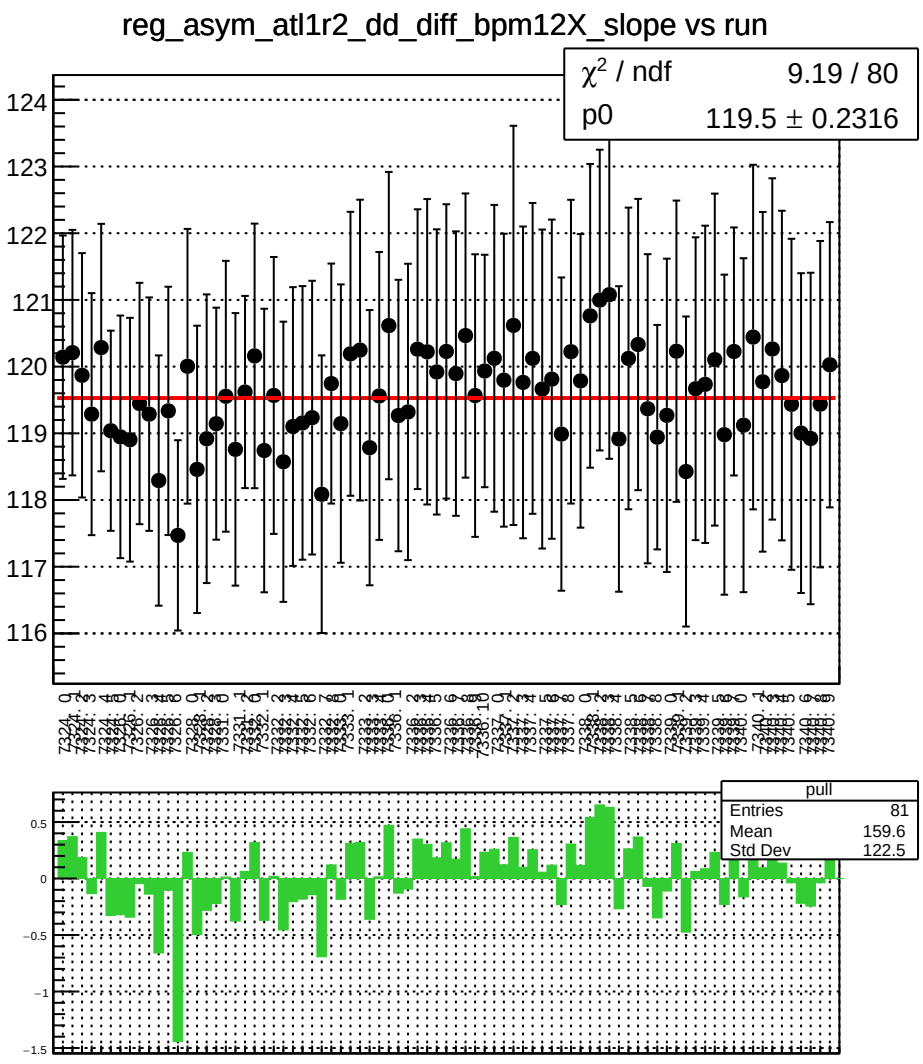

pull1D
Entries 81
Mean 0.02454
Std Dev 0.6336

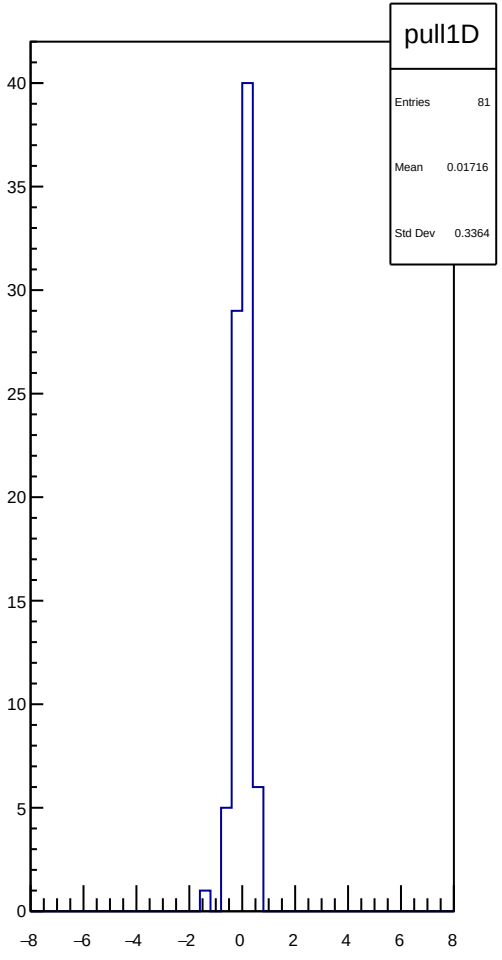

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.19 / 80
p0 −177.5 ± 4.934
pull
Entries 81
Mean −163.4
Std Dev 191.3

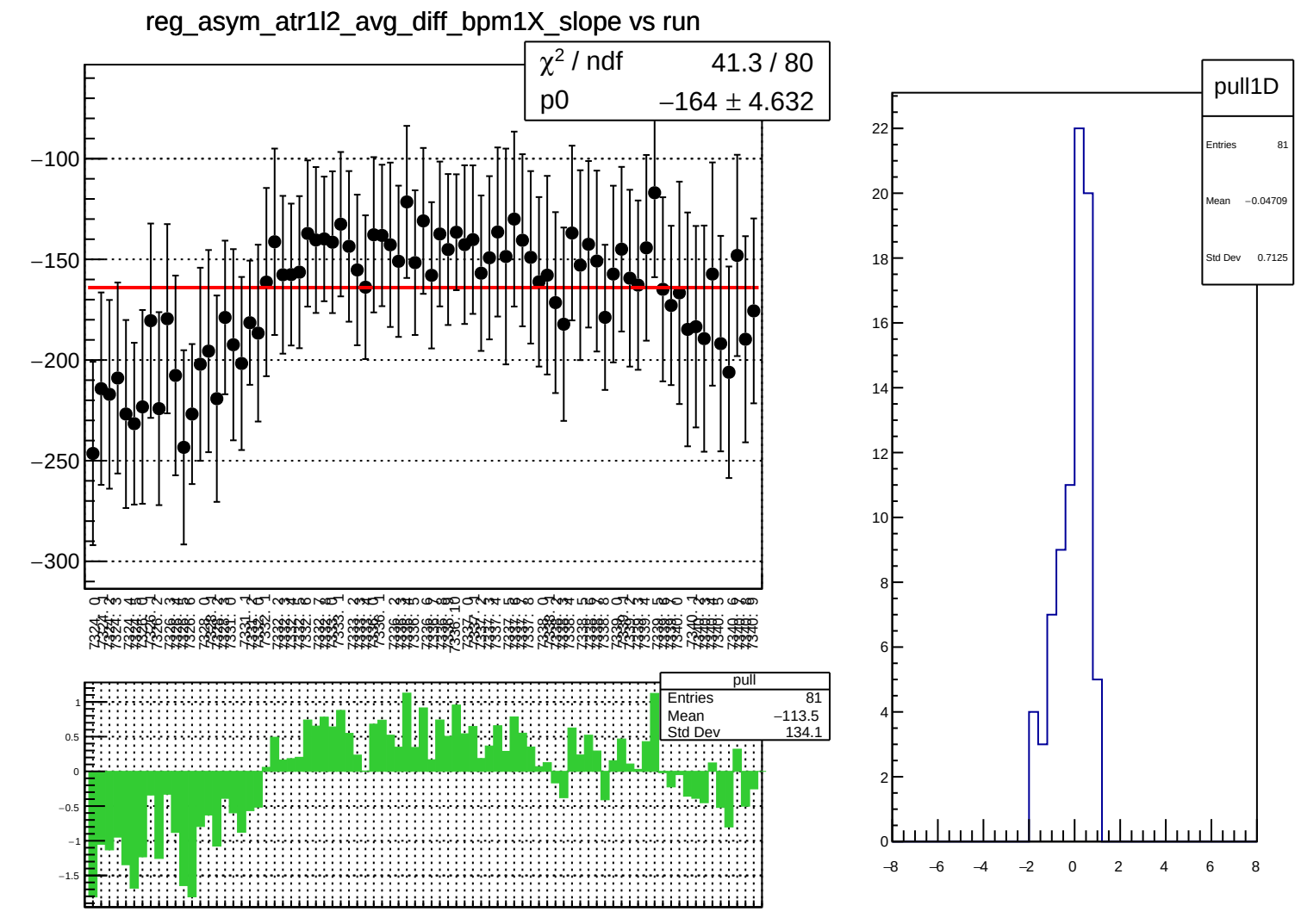

pull1D
Entries 81
Mean −0.06768
Std Dev 0.9801

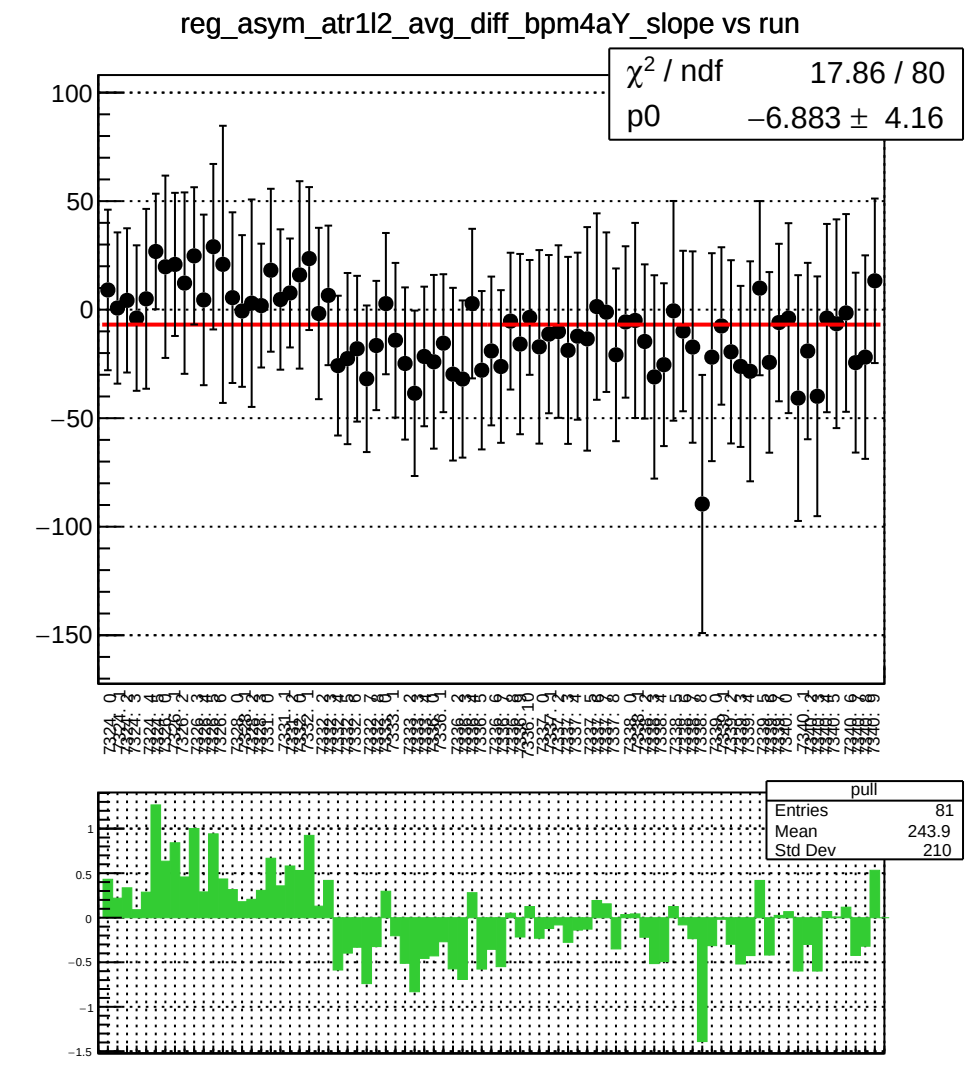

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.34 / 80
p0 −98.38 ± 4.699
pull
Entries 81
Mean 406.2
Std Dev 376.5

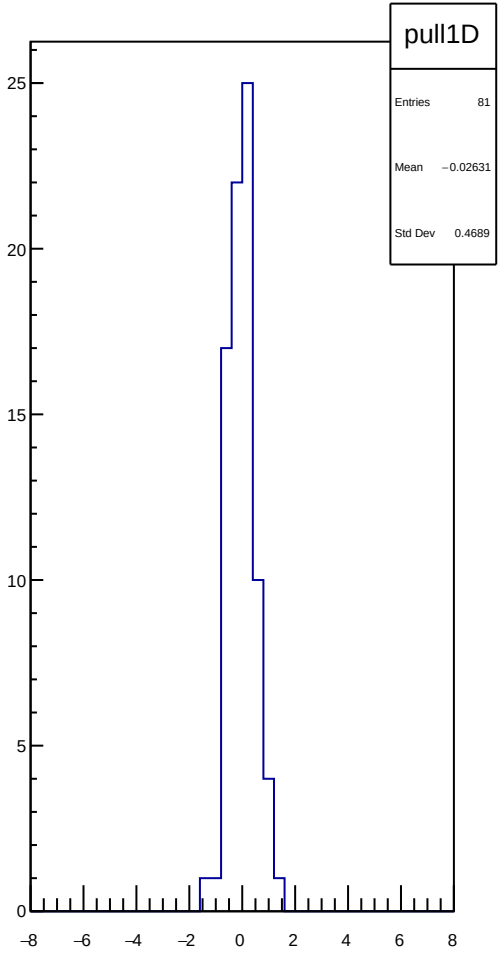

pull1D
Entries 81
Mean −0.02389
Std Dev 0.6694

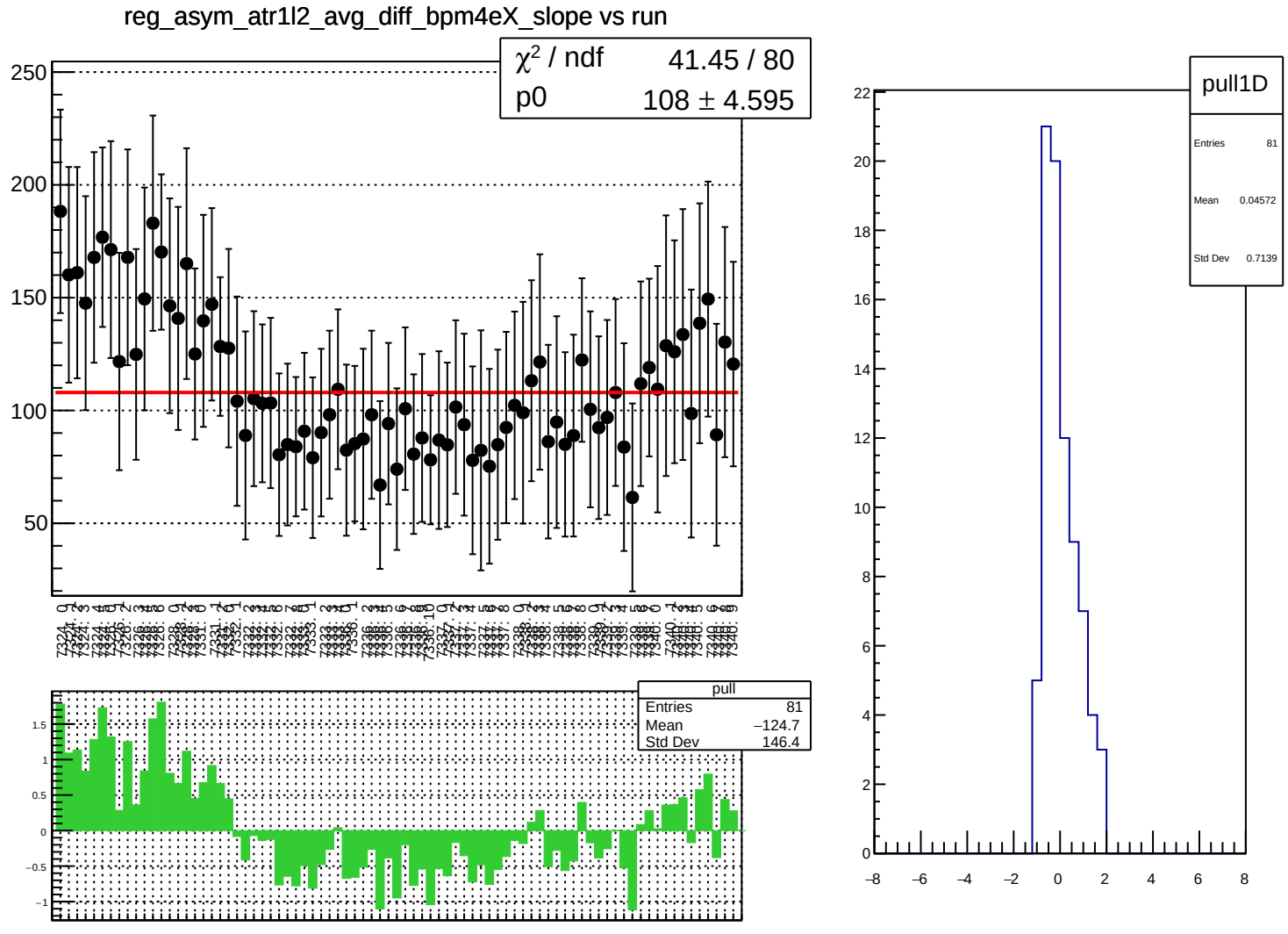

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 9.19 / 80
p0 119.5 ± 0.2316
pull
Entries 81
Mean 159.6
Std Dev 122.5

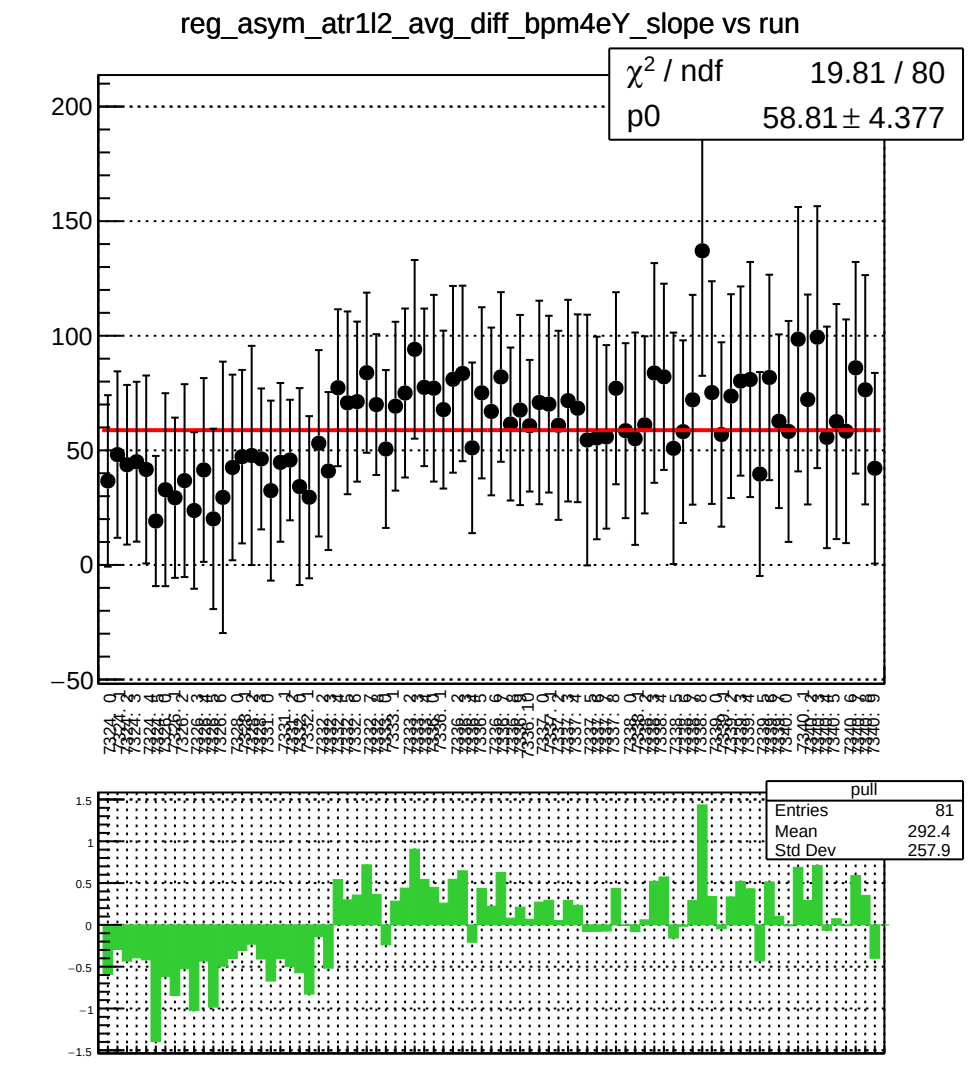

pull1D
Entries 81
Mean 0.01716
Std Dev 0.3364

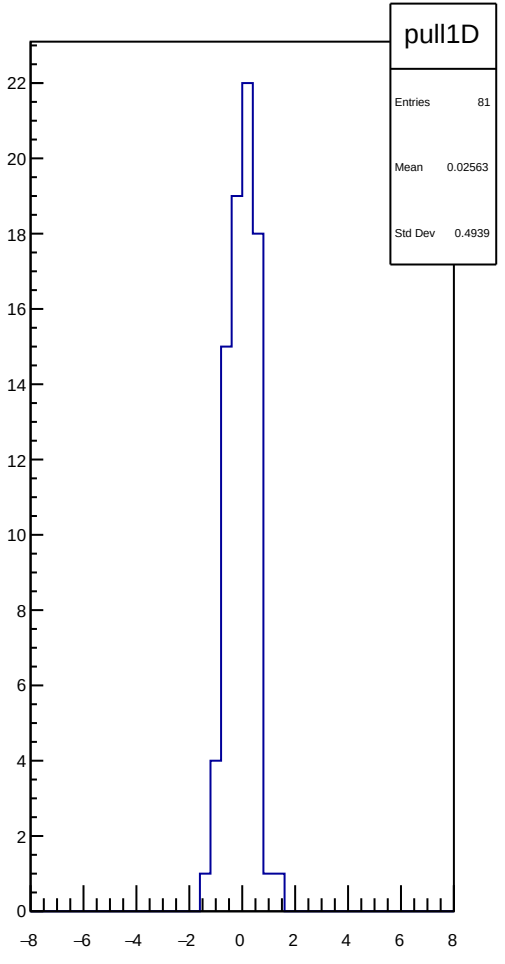

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 41.3 / 80
p0 −164 ± 4.632
−100
−150
−200
−250
−300
pull
Entries 81
Mean −113.5
Std Dev 134.1
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.04709
Std Dev 0.7125
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

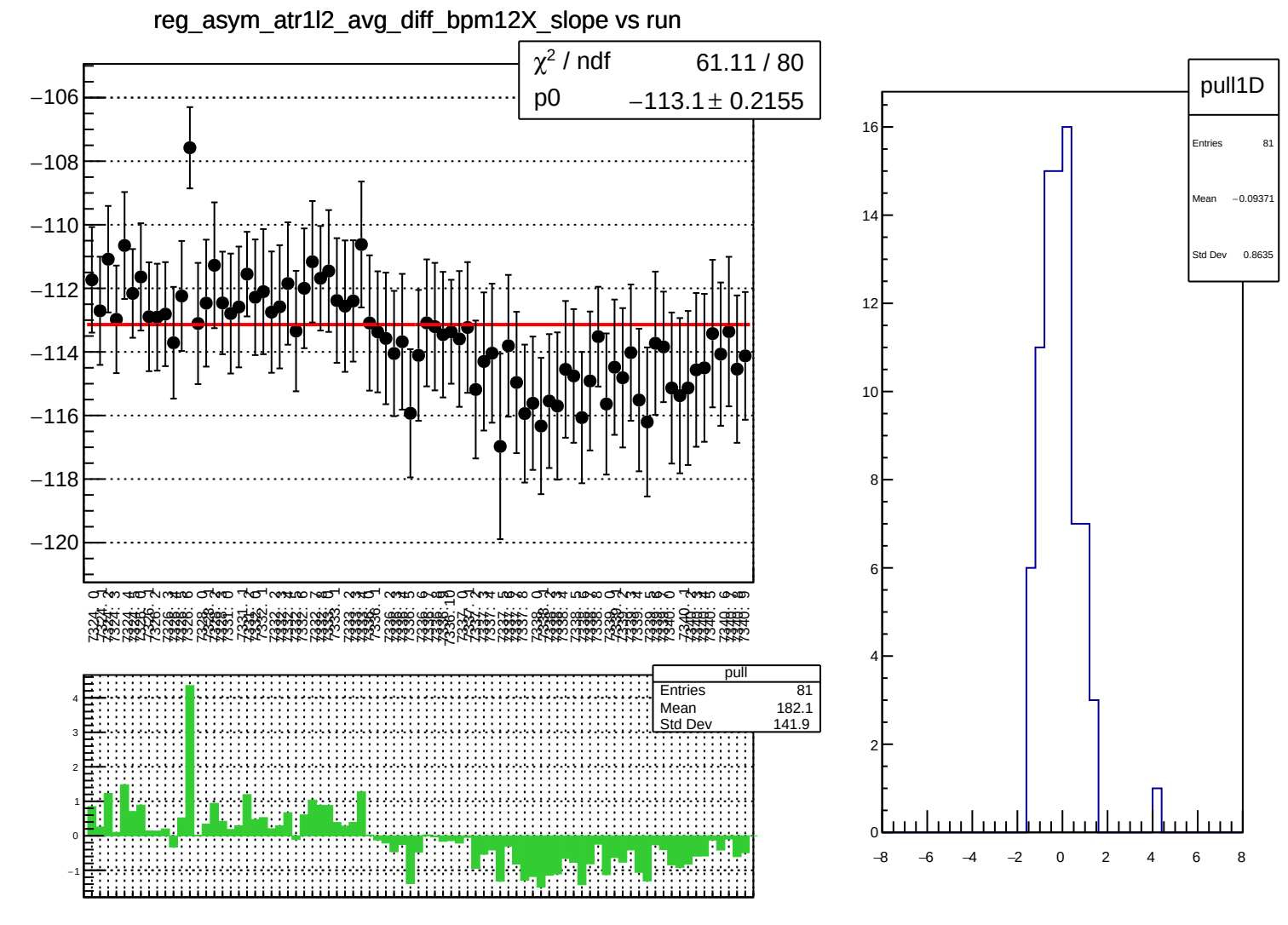

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.86 / 80
p0 −6.883 ± 4.16
pull
Entries 81
Mean 243.9
Std Dev 210

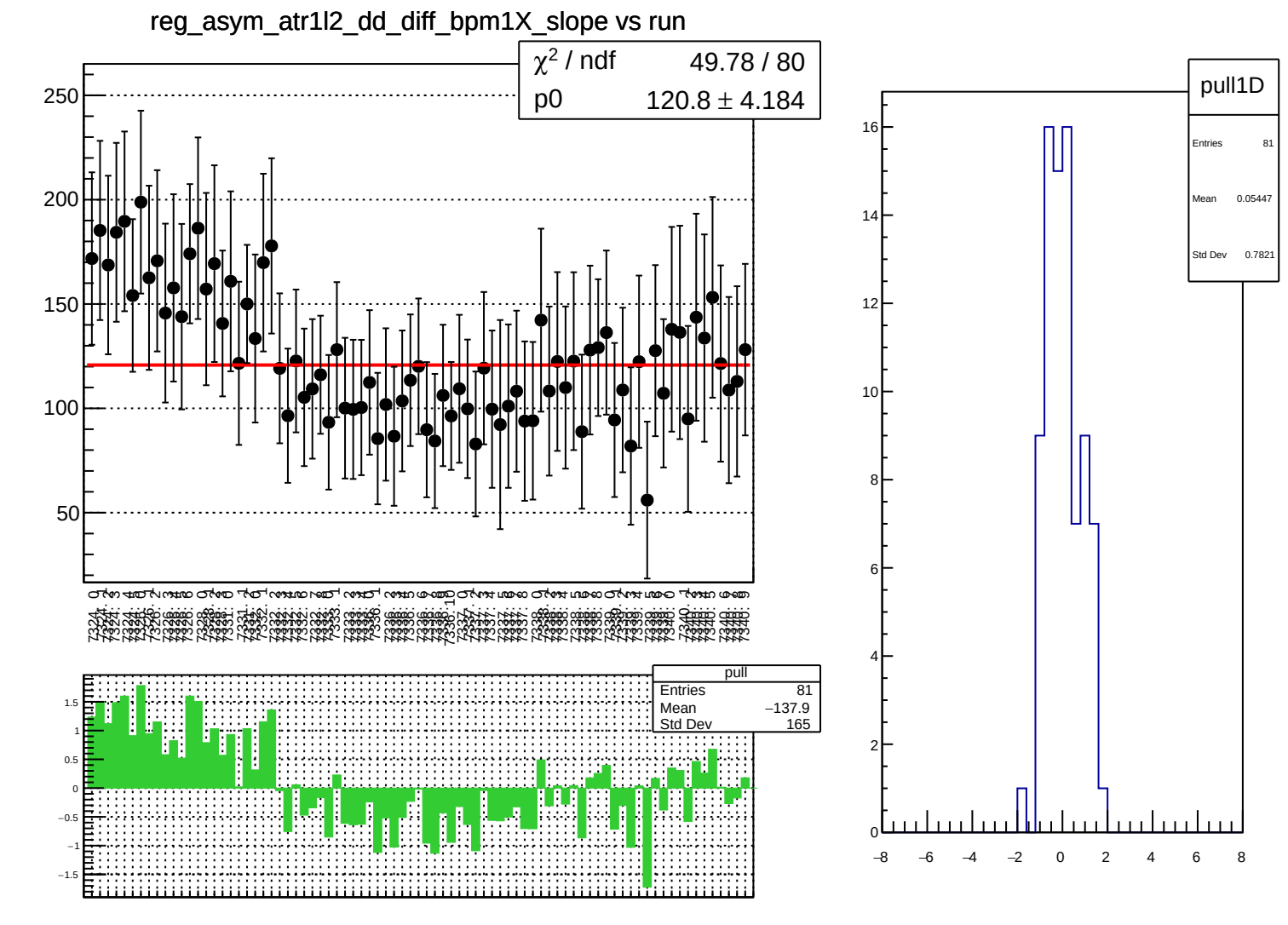

pull1D
Entries 81
Mean −0.02631
Std Dev 0.4689

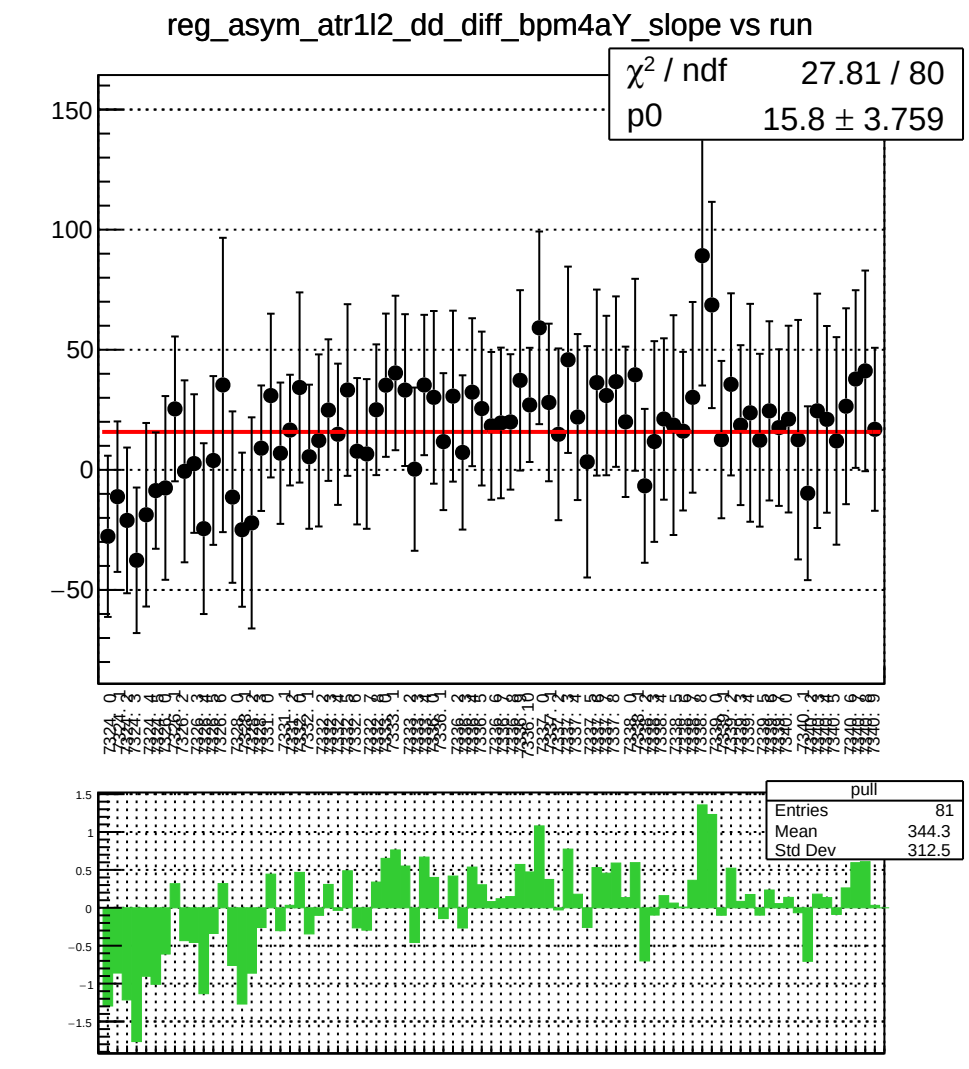

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.45 / 80
p0 108 ± 4.595
250
200
150
100
50
pull
Entries 81
Mean −124.7
Std Dev 146.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.04572
Std Dev 0.7139
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

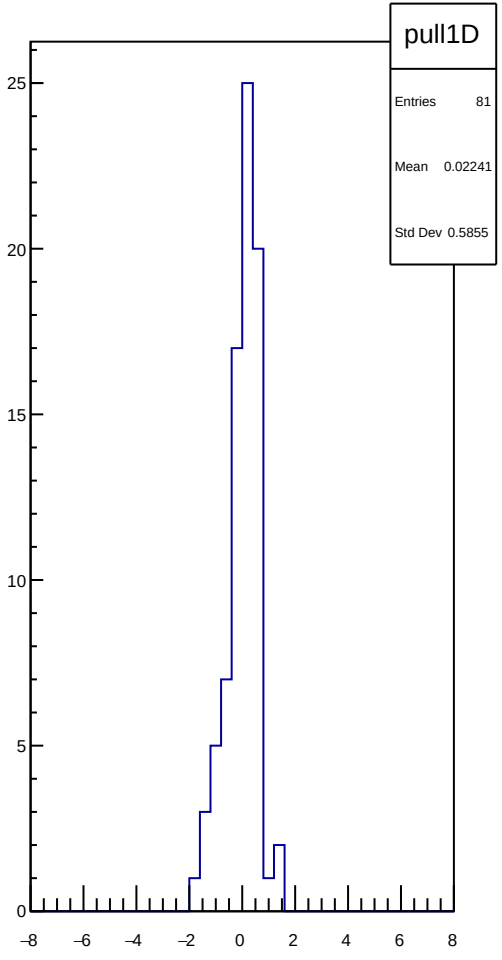

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.81 / 80
p0 58.81 ± 4.377
pull
Entries 81
Mean 292.4
Std Dev 257.9

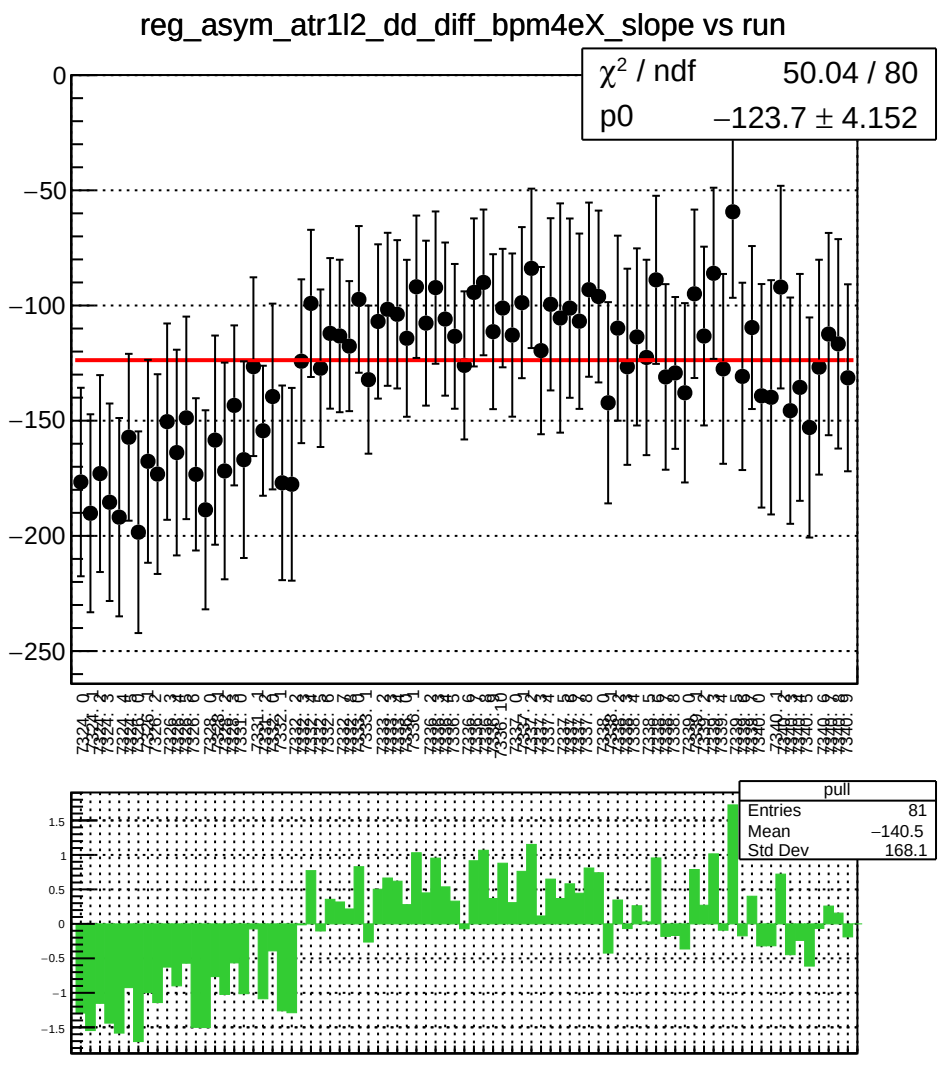

pull1D
Entries 81
Mean 0.02563
Std Dev 0.4939

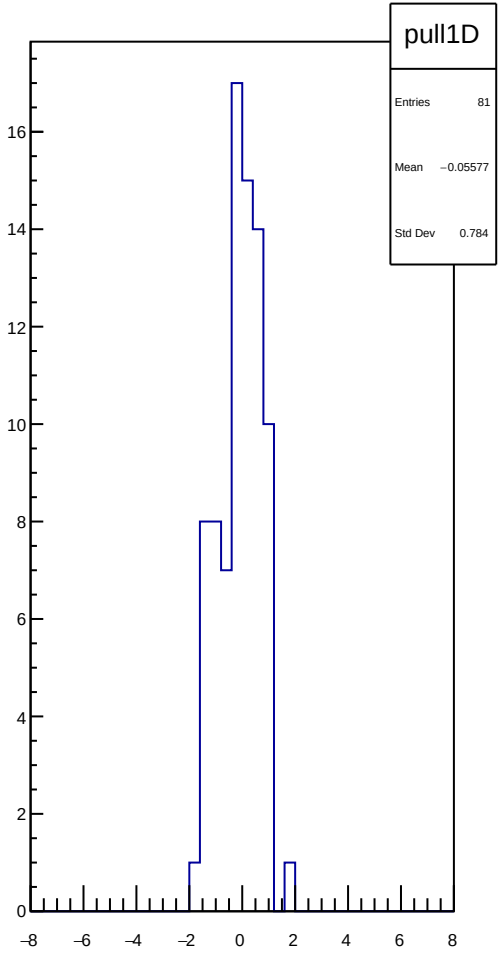

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 61.11 / 80
p0 −113.1 ± 0.2155
pull
Entries 81
Mean 182.1
Std Dev 141.9
pull1D
Entries 81
Mean −0.09371
Std Dev 0.8635

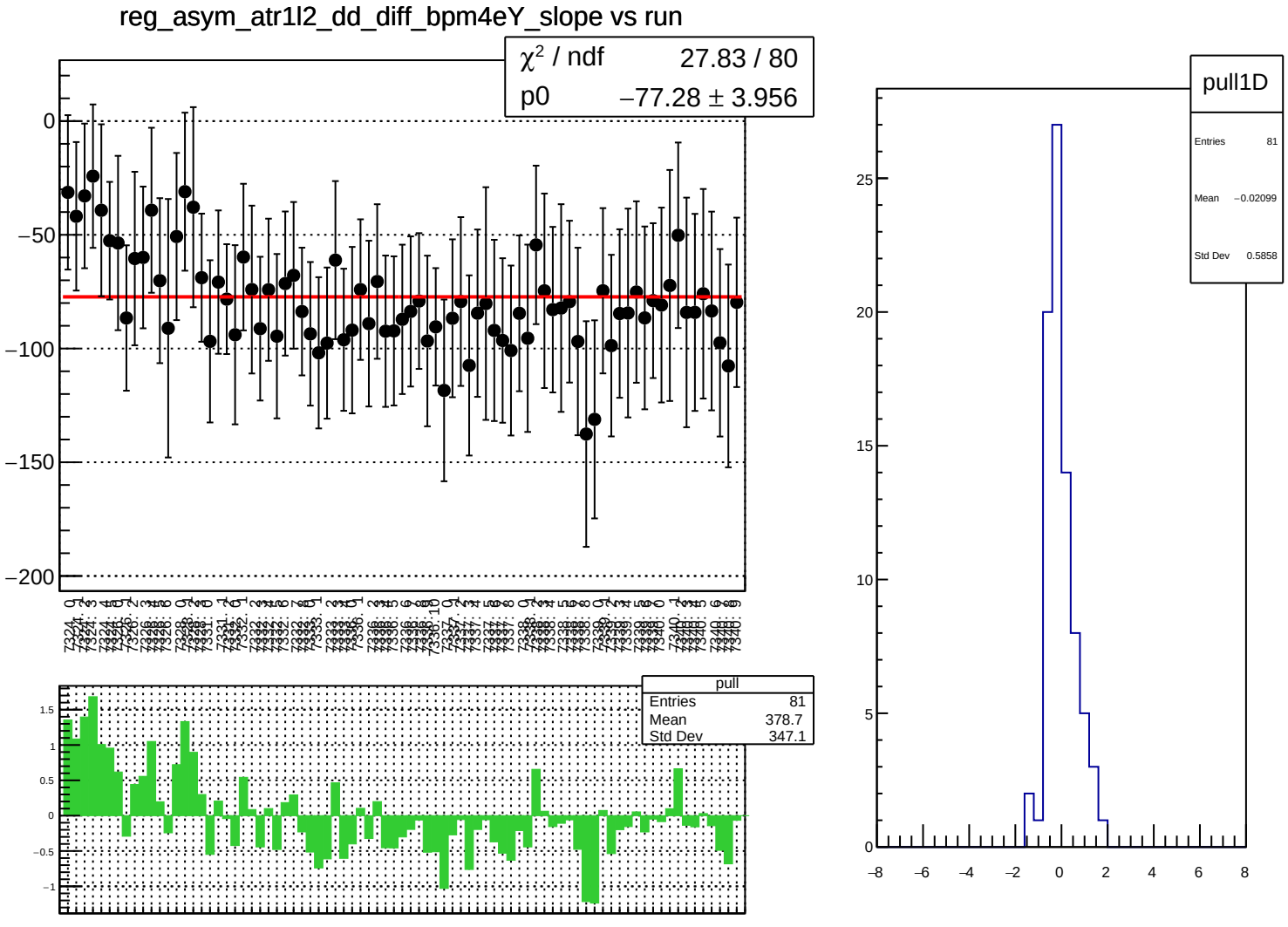

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 49.78 / 80
p0 120.8 ± 4.184
pull
Entries 81
Mean −137.9
Std Dev 165
pull1D
Entries 81
Mean 0.05447
Std Dev 0.7821

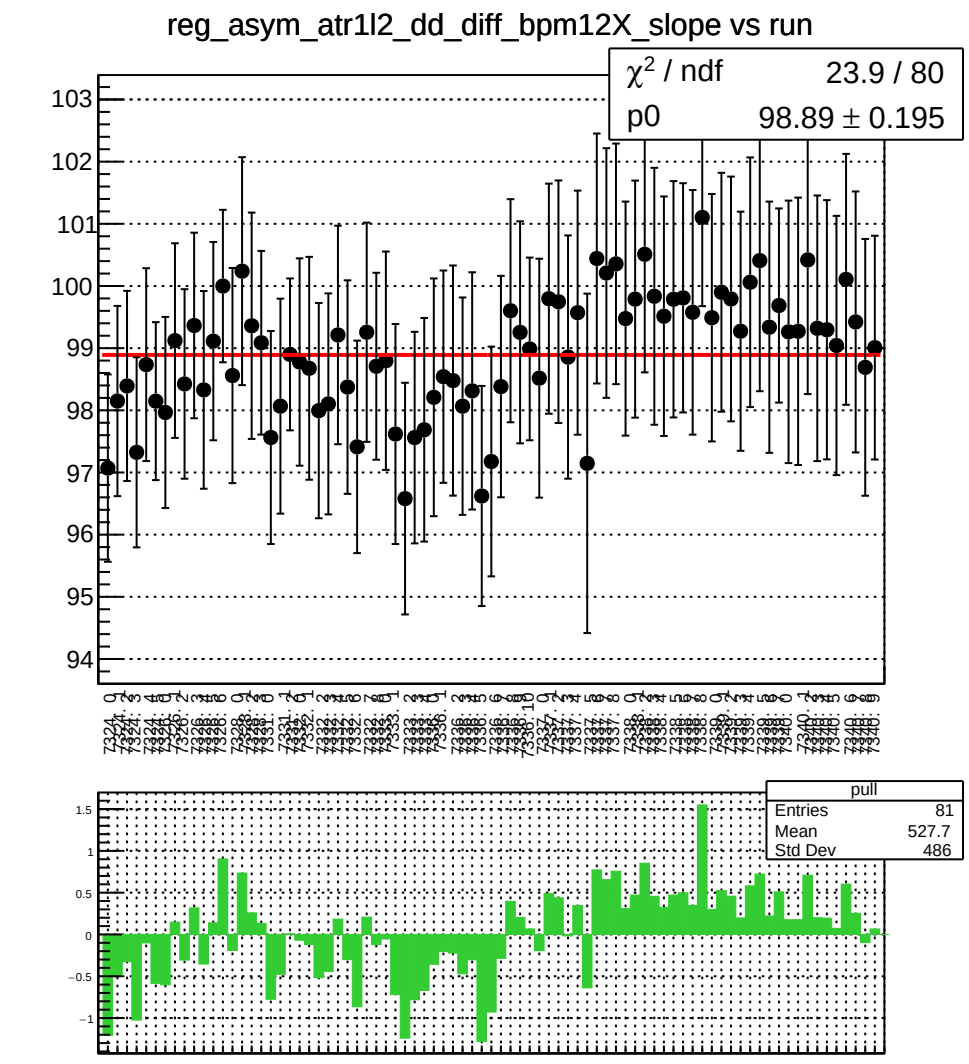

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.81 / 80
p0 15.8 ± 3.759
150
100
50
0
−50
pull
Entries 81
Mean 344.3
Std Dev 312.5
1.5
1
0.5
0
−0.5
−1
−1.5

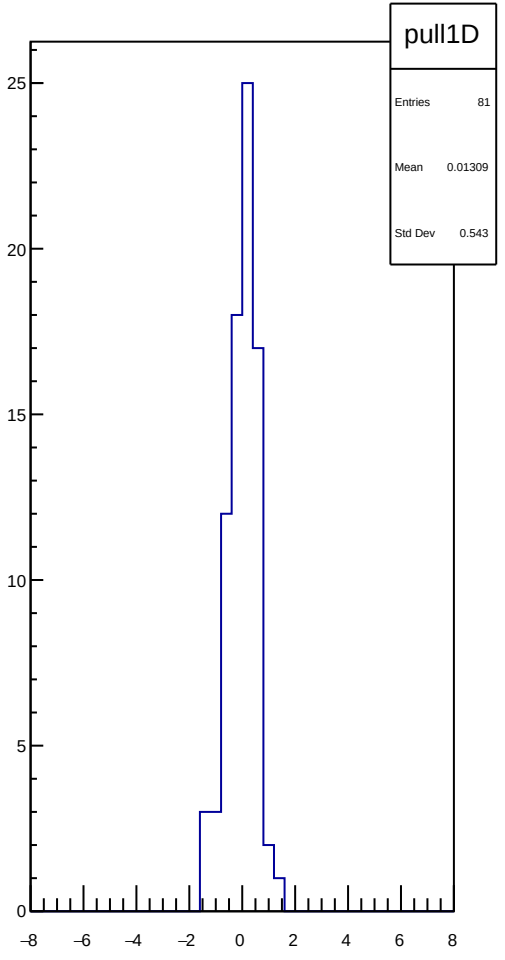

pull1D
Entries 81
Mean 0.02241
Std Dev 0.5855
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

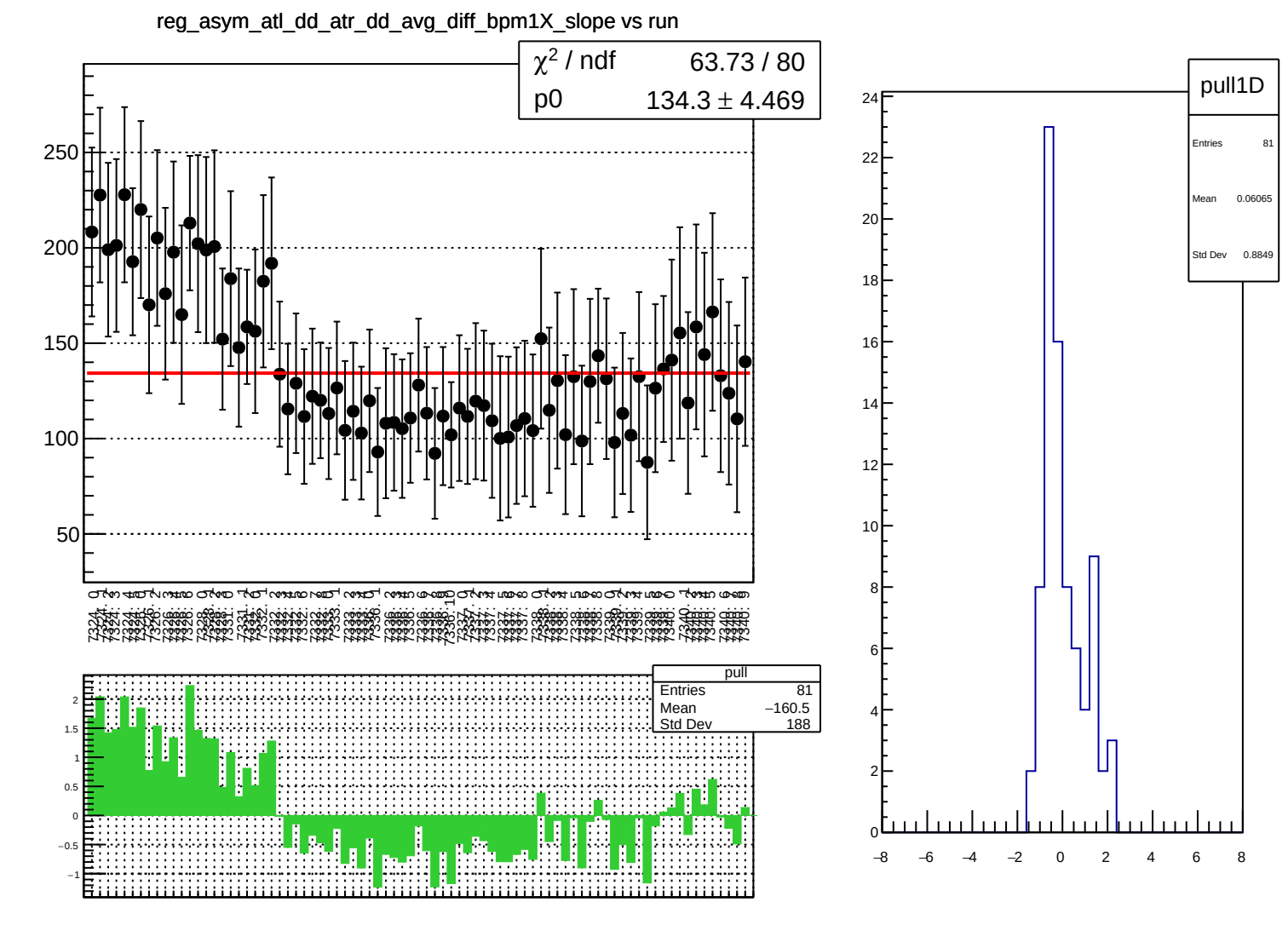

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.04 / 80
p0 −123.7 ± 4.152
pull
Entries 81
Mean −140.5
Std Dev 168.1

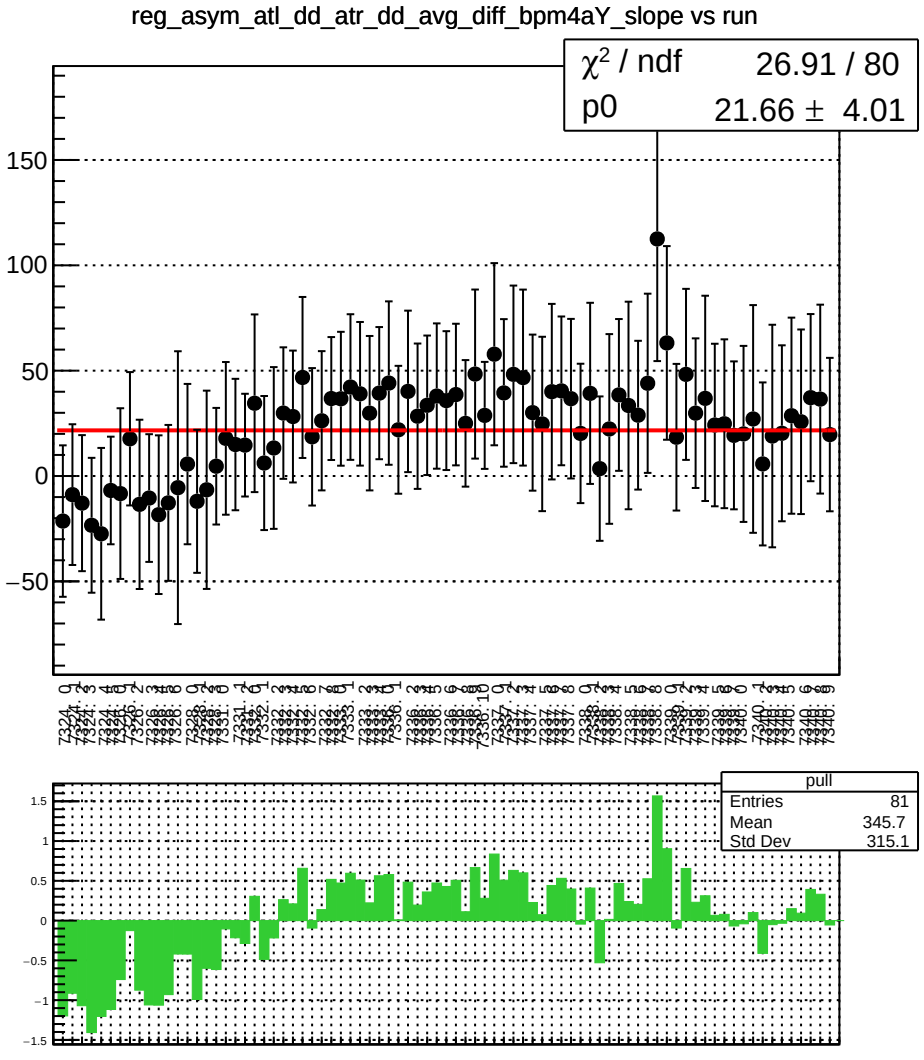

pull1D
Entries 81
Mean −0.05577
Std Dev 0.784

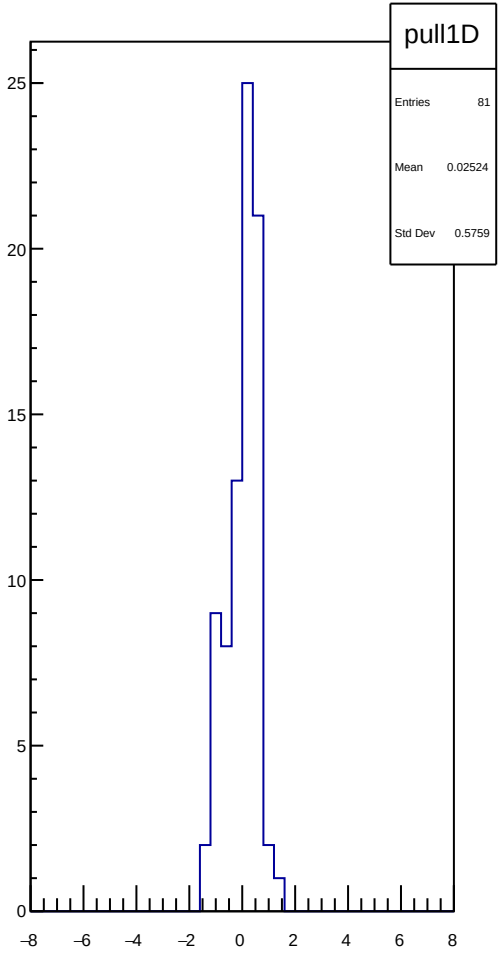

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.83 / 80
p0 −77.28 ± 3.956
pull
Entries 81
Mean 378.7
Std Dev 347.1
pull1D
Entries 81
Mean −0.02099
Std Dev 0.5858

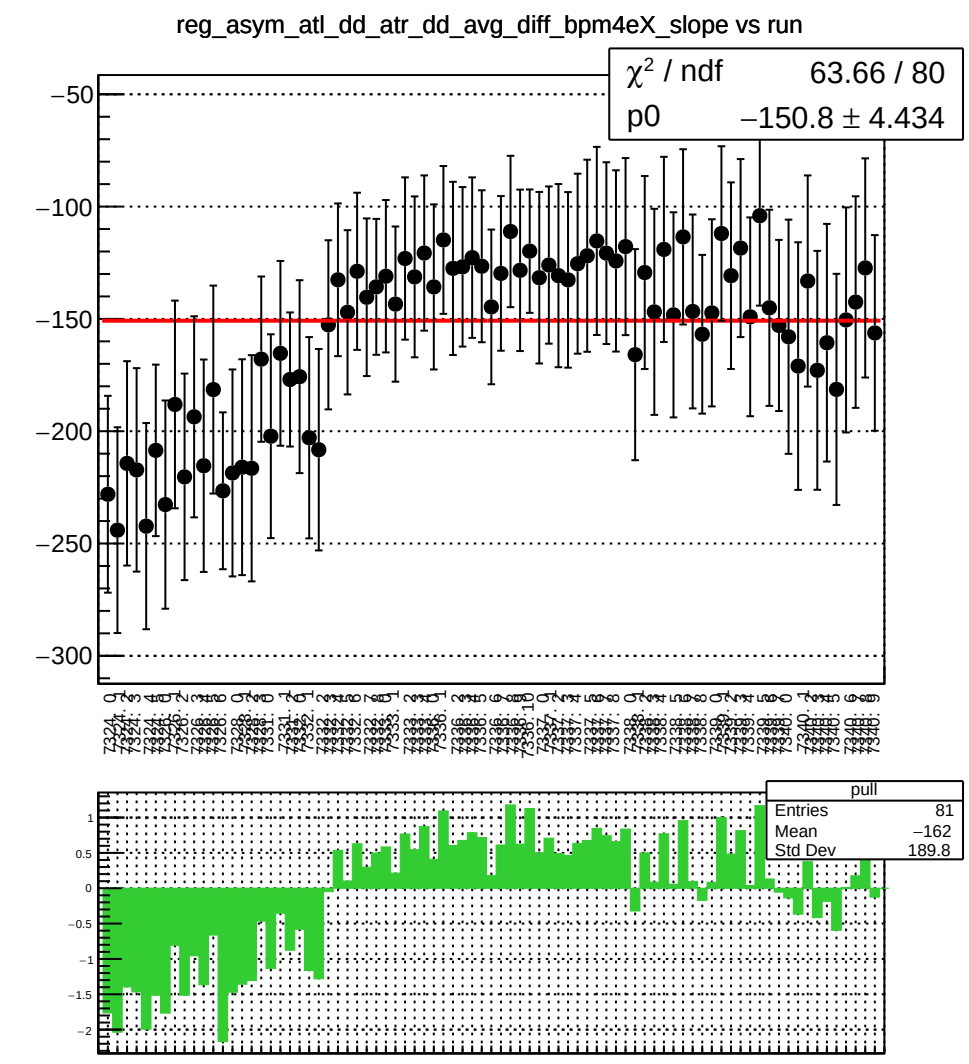

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.9 / 80
p0 98.89 ± 0.195
pull
Entries 81
Mean 527.7
Std Dev 486

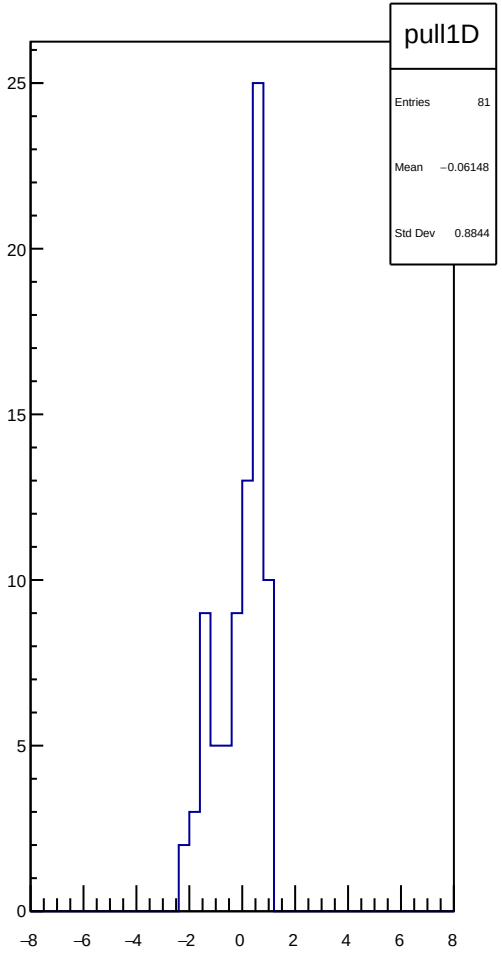

pull1D
Entries 81
Mean 0.01309
Std Dev 0.543

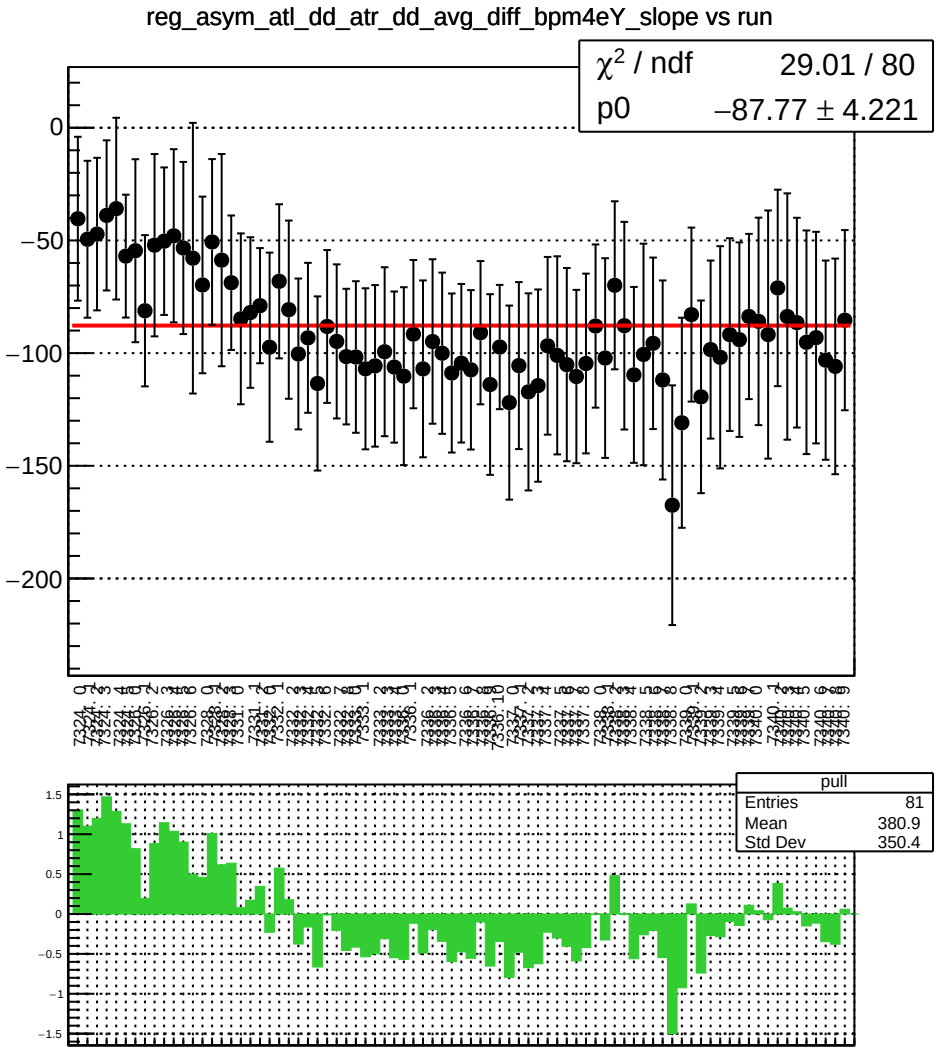

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 63.73 / 80
p0 134.3 ± 4.469
pull
Entries 81
Mean −160.5
Std Dev 188
pull1D
Entries 81
Mean 0.06065
Std Dev 0.8849

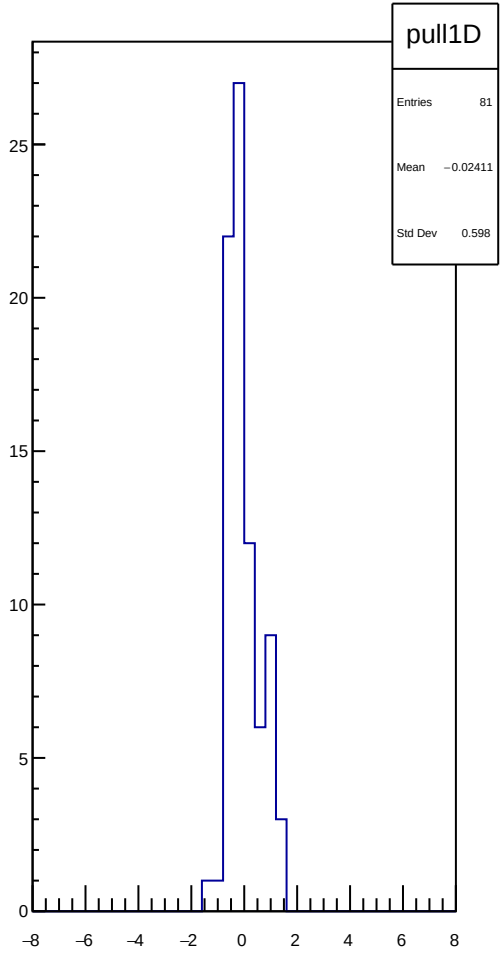

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 80
p0 21.66 ± 4.01
150
100
50
0
−50
pull
Entries 81
Mean 345.7
Std Dev 315.1
1.5
1
0.5
0
−0.5
−1
−1.5

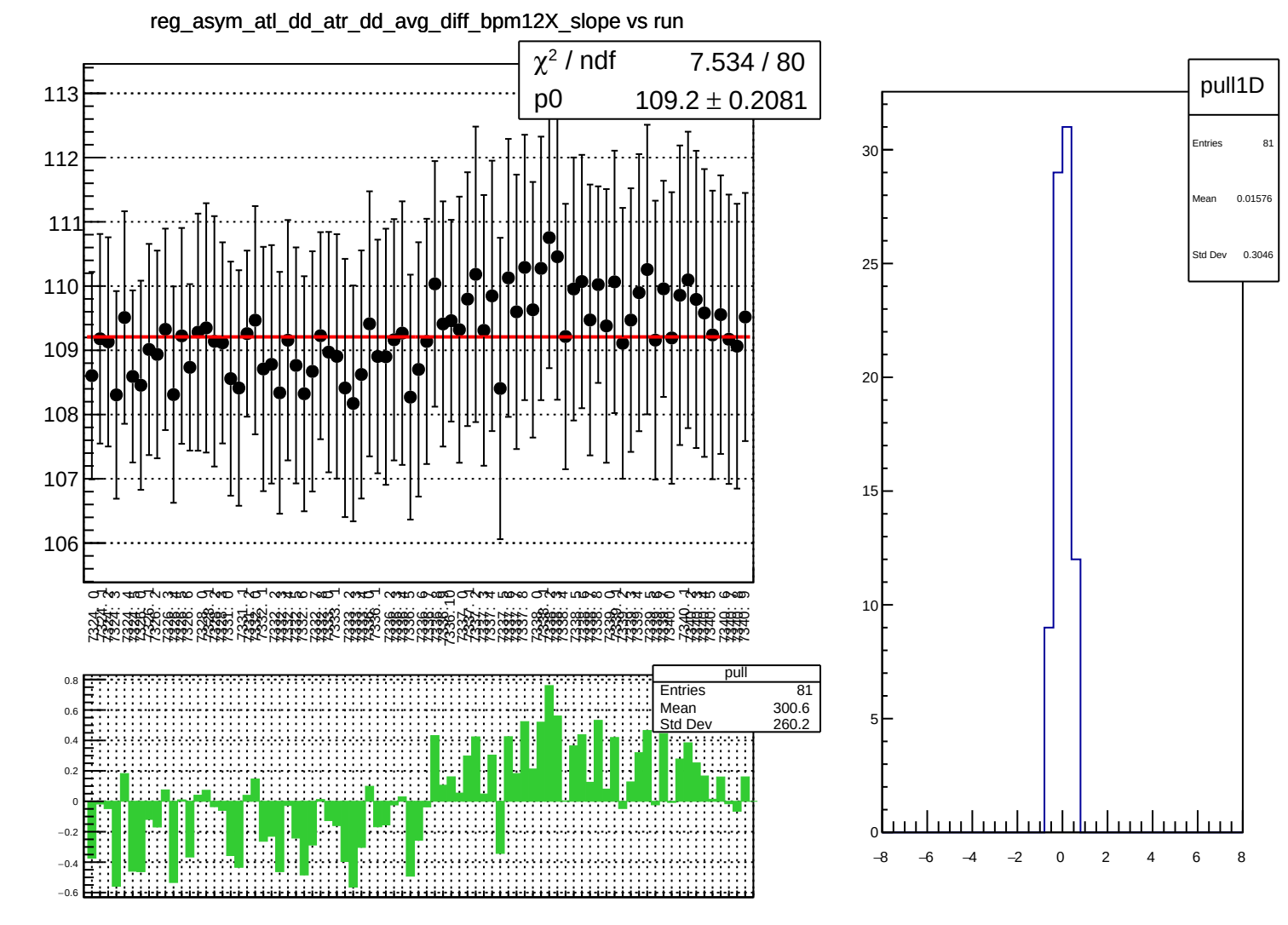

pull1D
Entries 81
Mean 0.02524
Std Dev 0.5759
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

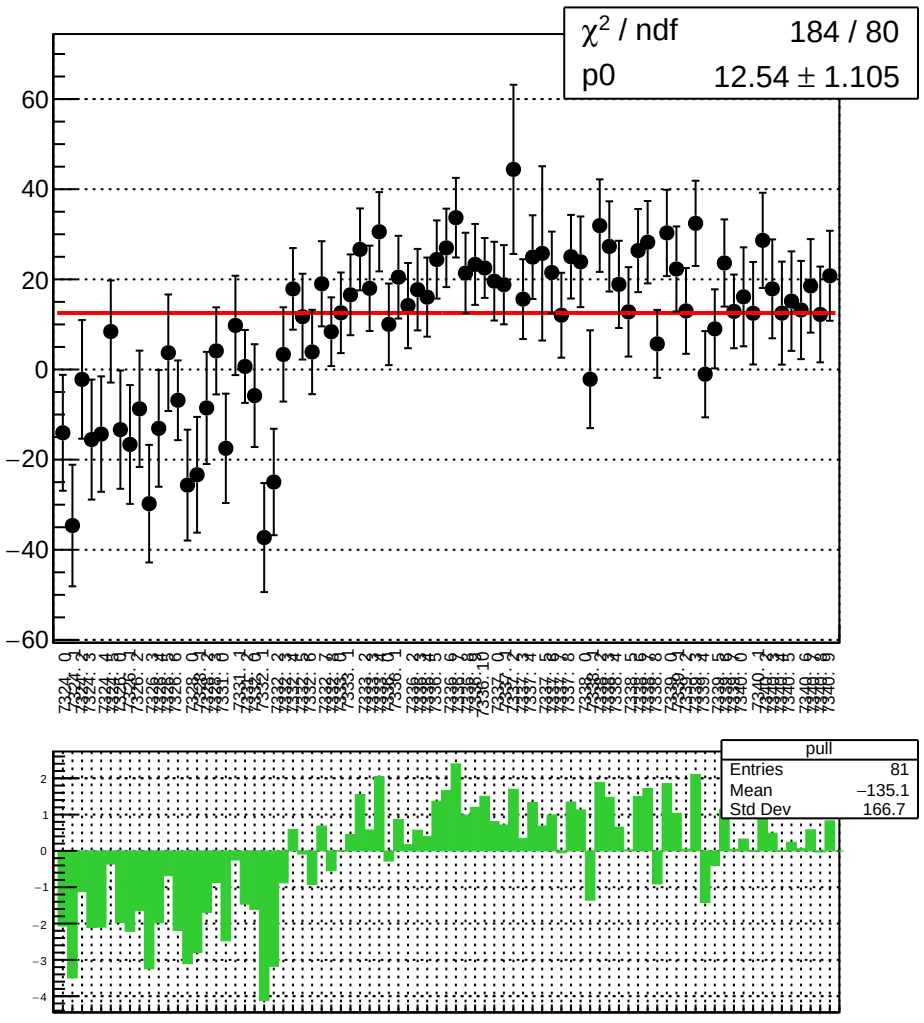

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.66 / 80
p0 −150.8 ± 4.434
pull
Entries 81
Mean −162
Std Dev 189.8

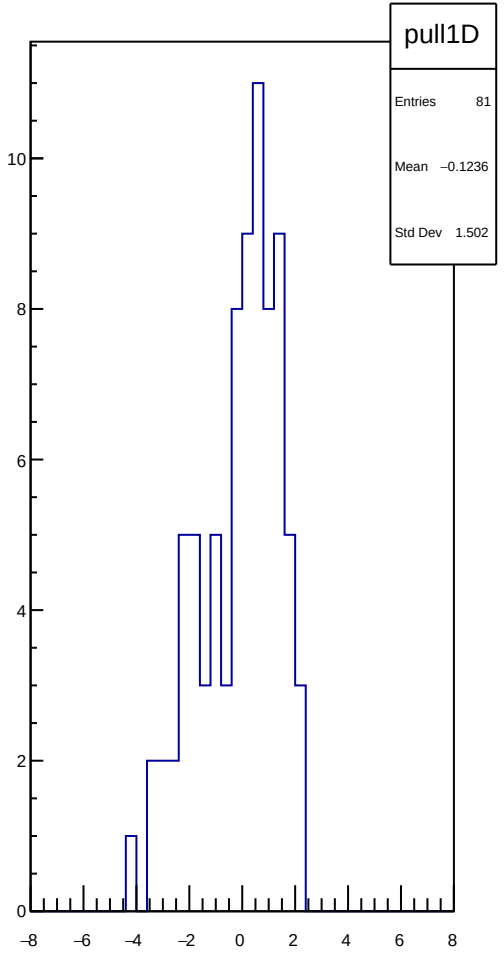

pull1D
Entries 81
Mean −0.06148
Std Dev 0.8844

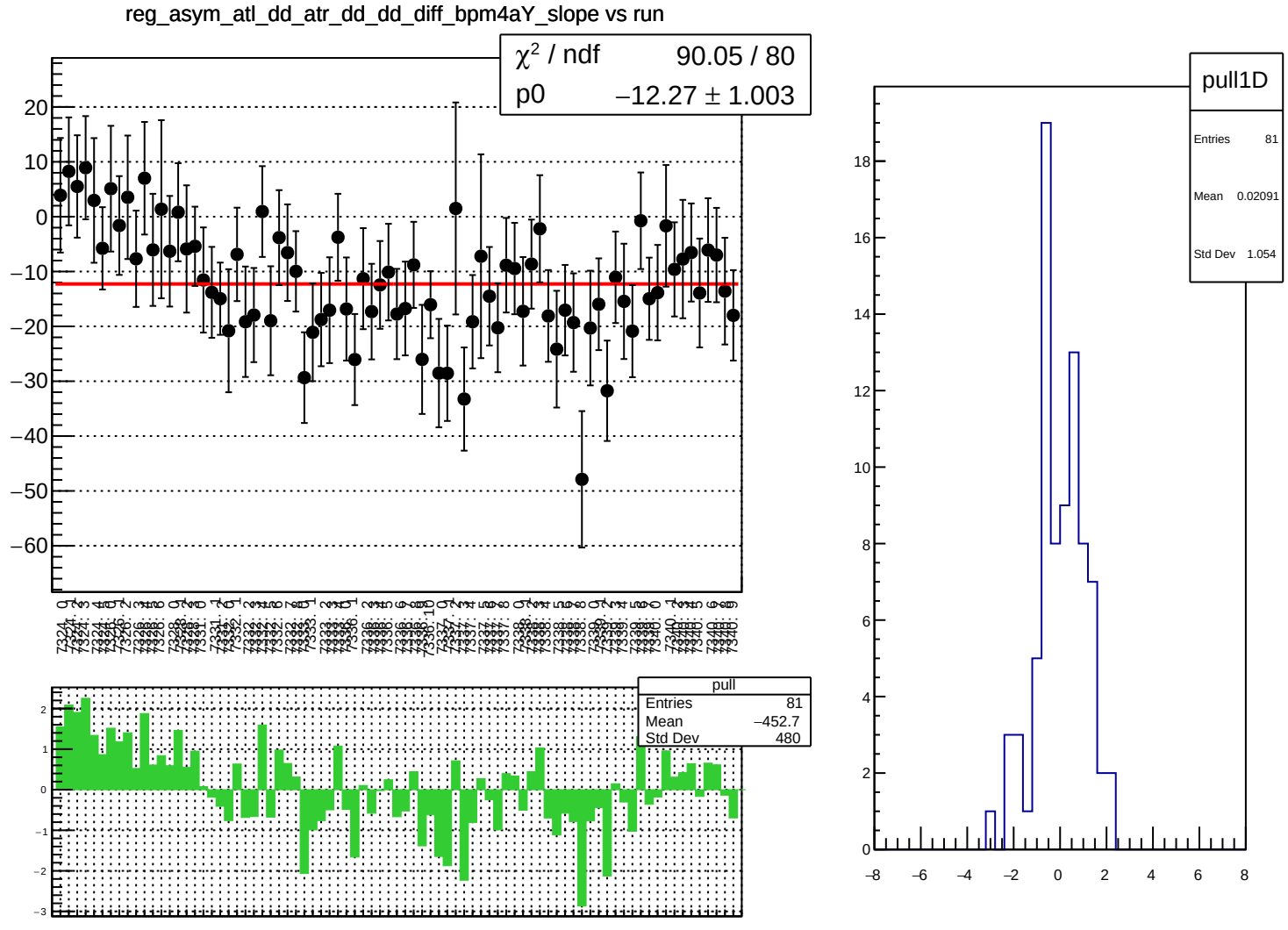

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.01 / 80
p0 −87.77 ± 4.221
0
−50
−100
−150
−200
pull
Entries 81
Mean 380.9
Std Dev 350.4
1.5
1
0.5
0
−0.5
−1
−1.5

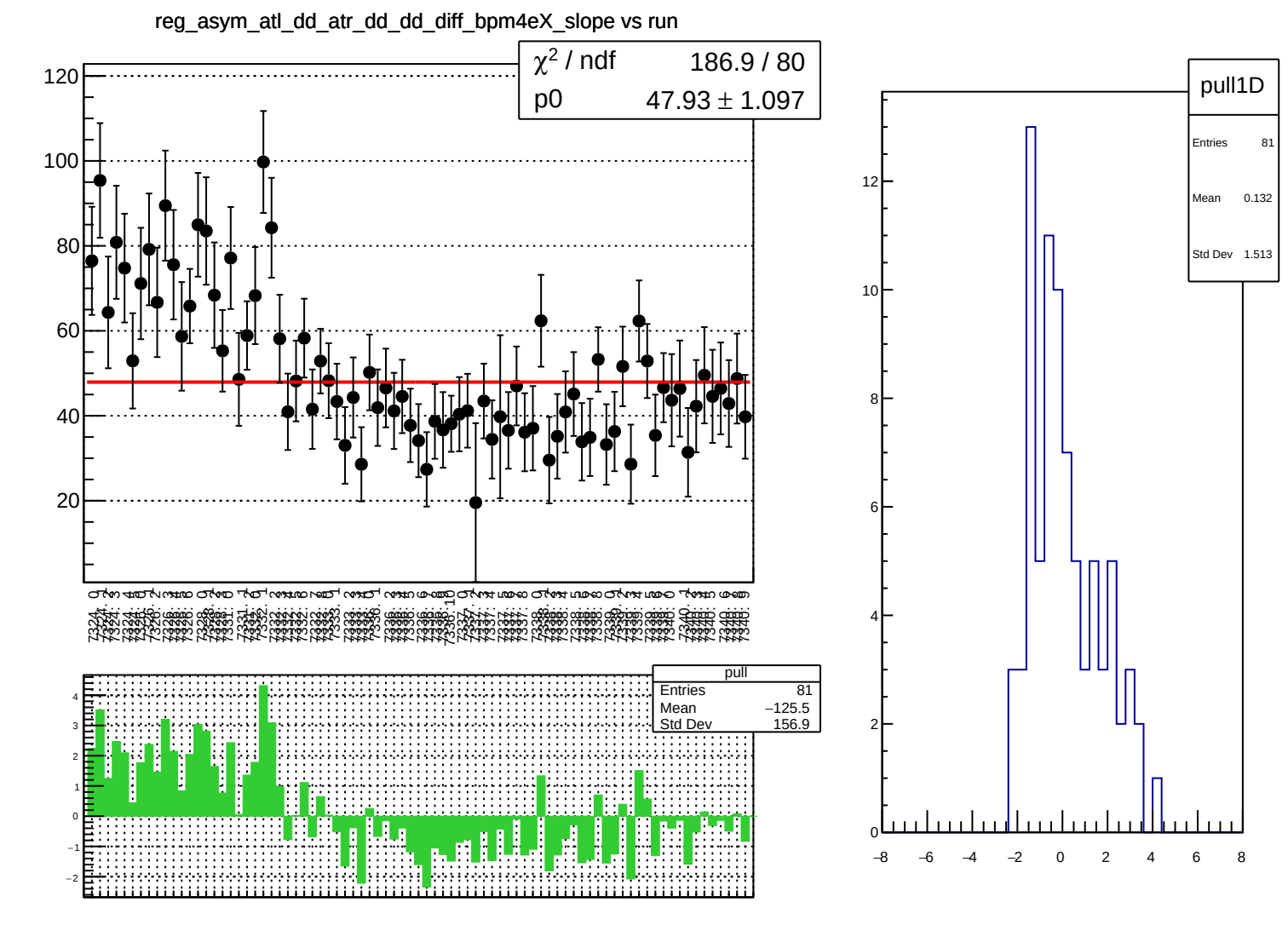

pull1D
Entries 81
Mean −0.02411
Std Dev 0.598
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

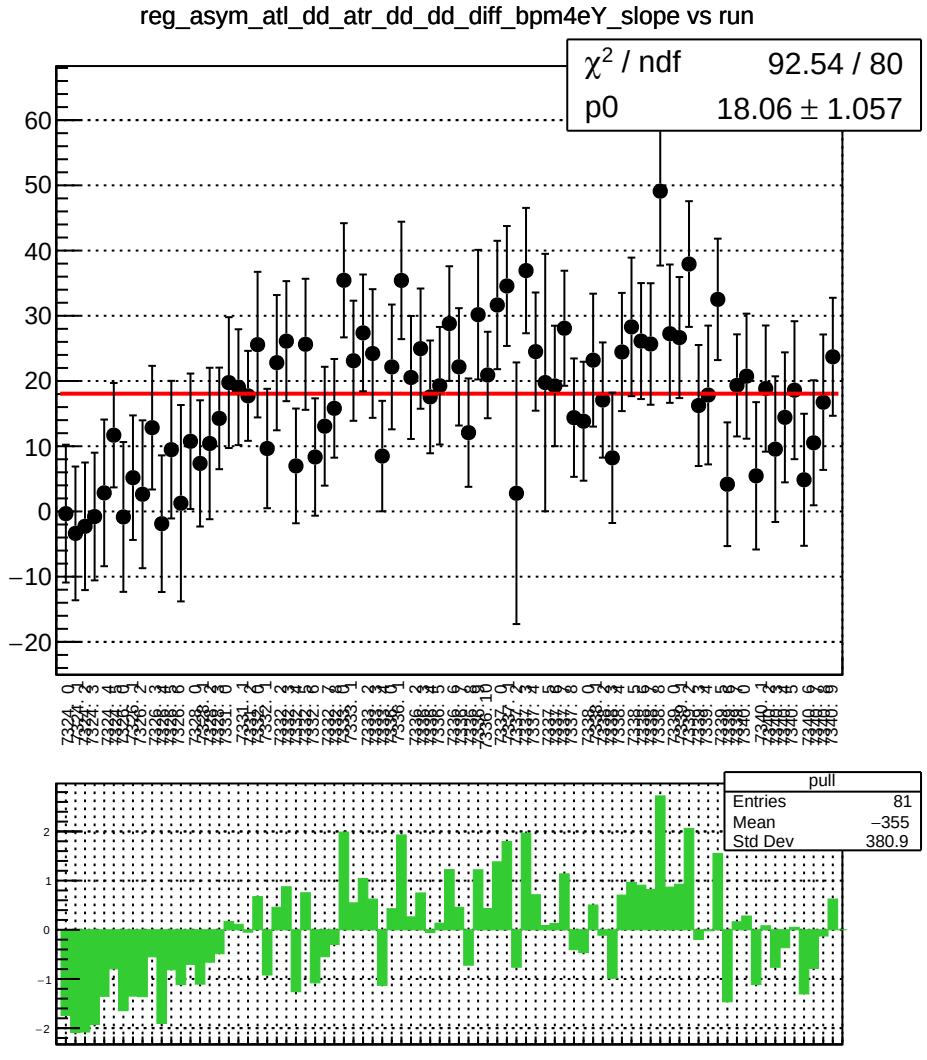

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 7.534 / 80
p0 109.2 ± 0.2081
pull
Entries 81
Mean 300.6
Std Dev 260.2
pull1D
Entries 81
Mean 0.01576
Std Dev 0.3046

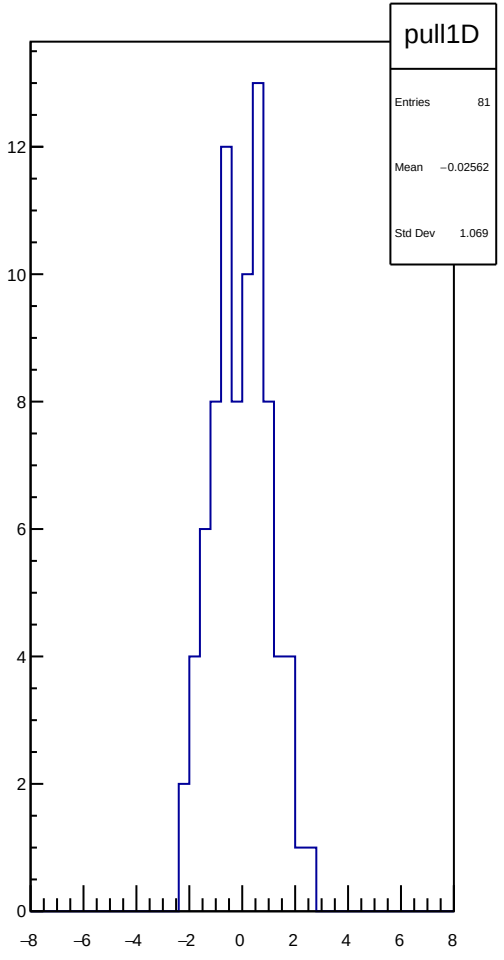

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 184 / 80
p0 12.54 ± 1.105
pull
Entries 81
Mean −135.1
Std Dev 166.7

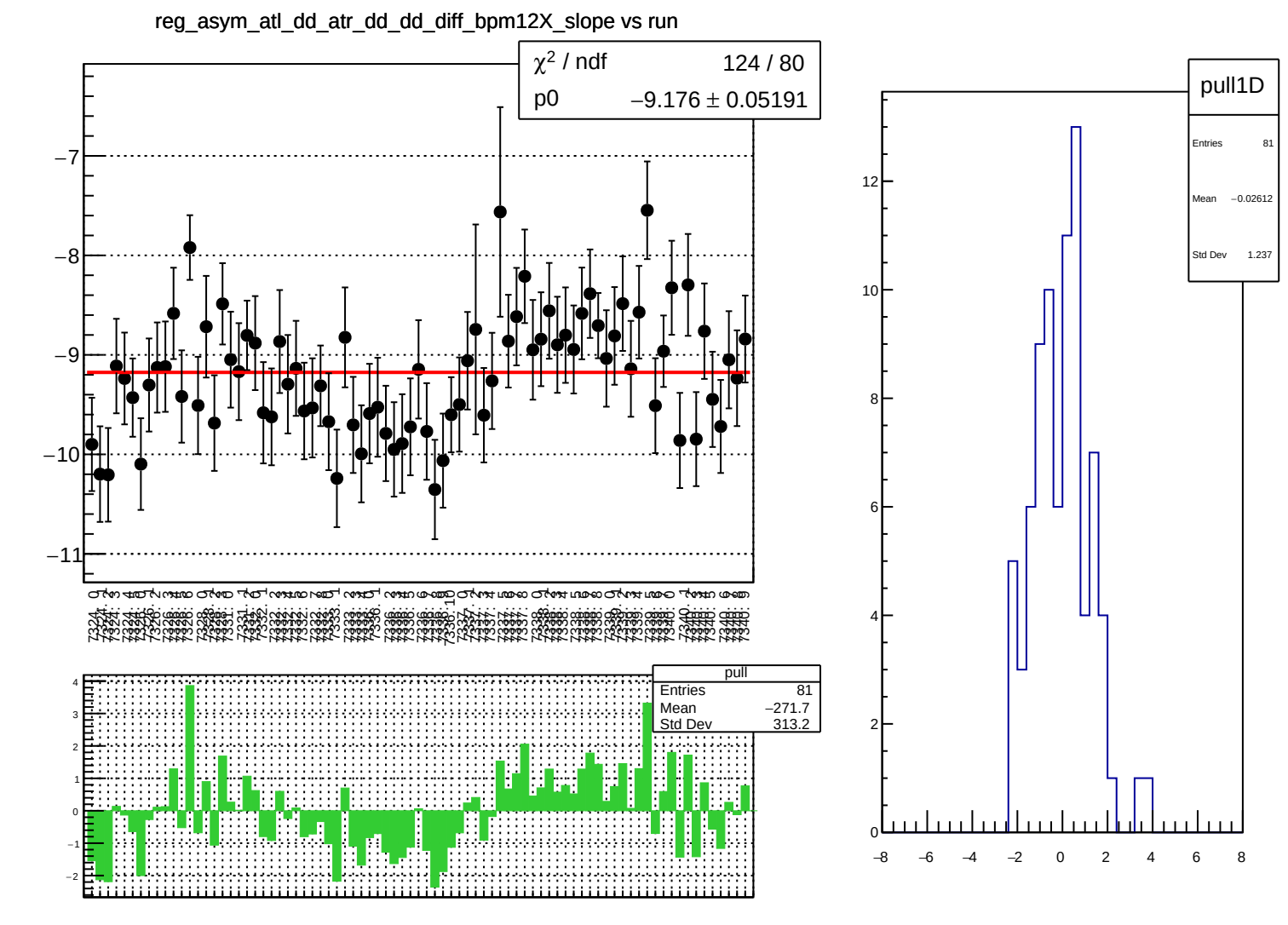

pull1D
Entries 81
Mean −0.1236
Std Dev 1.502

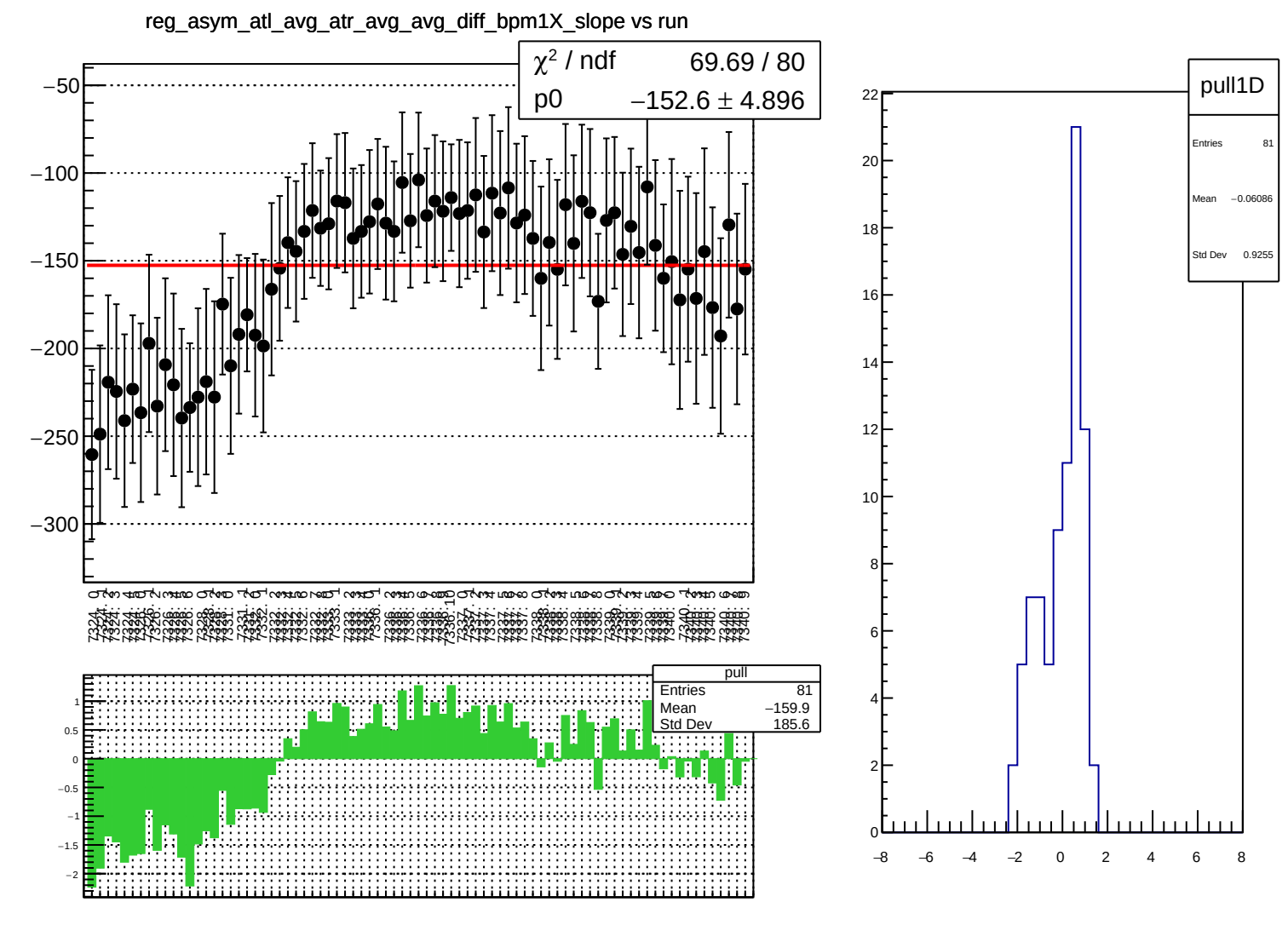

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.05 / 80
p0 −12.27 ± 1.003
pull
Entries 81
Mean −452.7
Std Dev 480
pull1D
Entries 81
Mean 0.02091
Std Dev 1.054

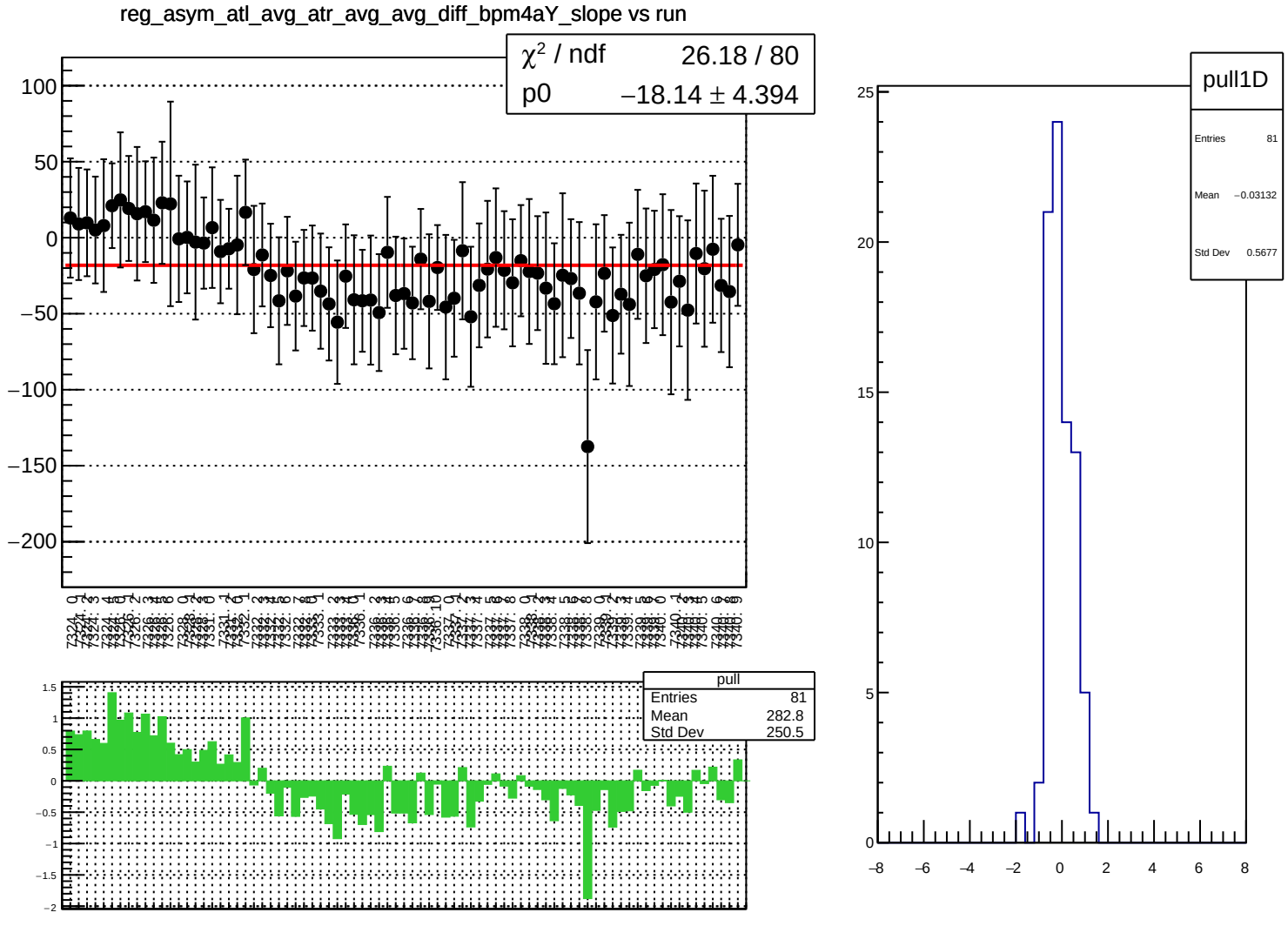

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 186.9 / 80
p0 47.93 ± 1.097
pull
Entries 81
Mean −125.5
Std Dev 156.9
pull1D
Entries 81
Mean 0.132
Std Dev 1.513

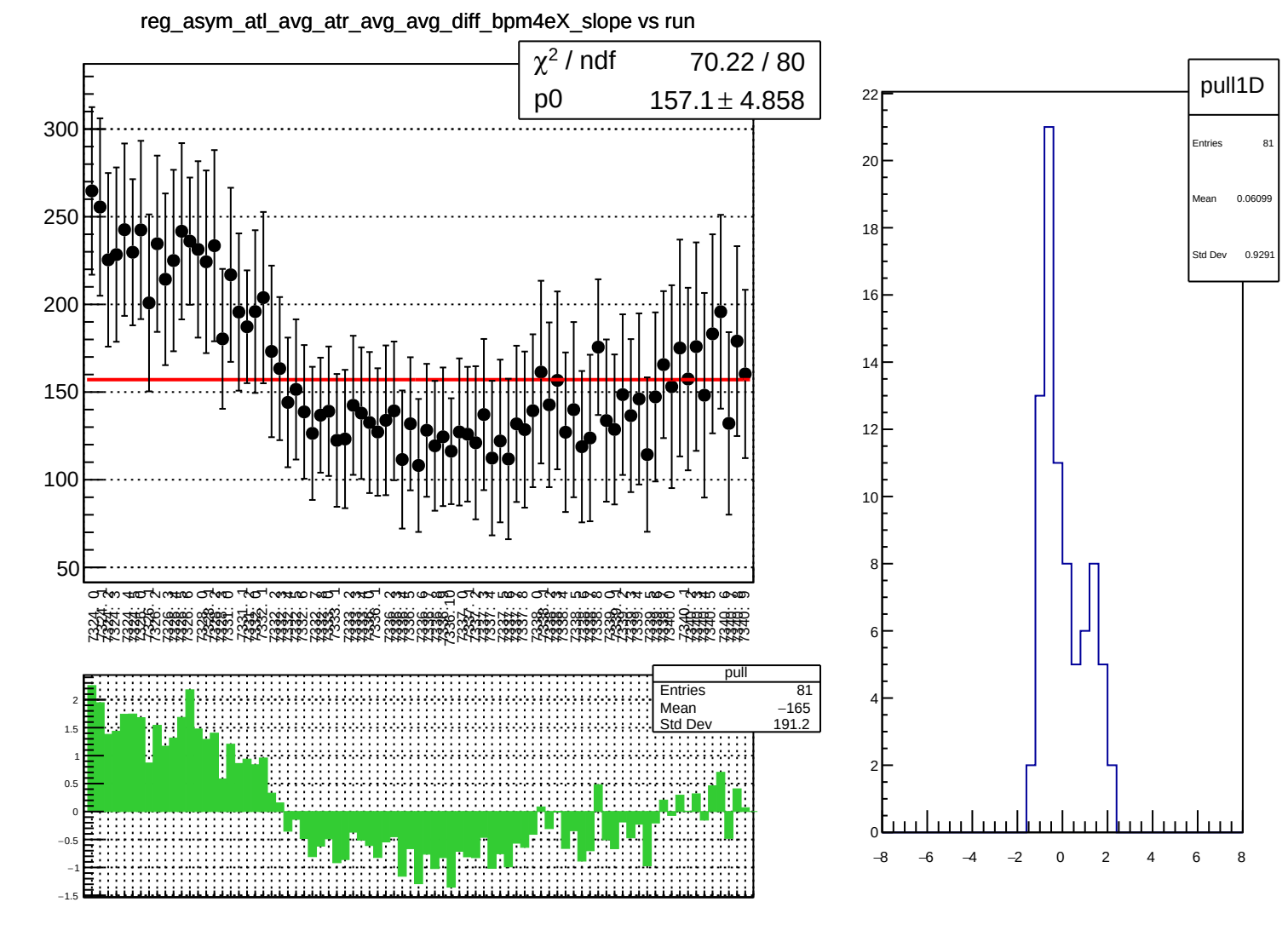

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.54 / 80
p0 18.06 ± 1.057
pull
Entries 81
Mean −355
Std Dev 380.9

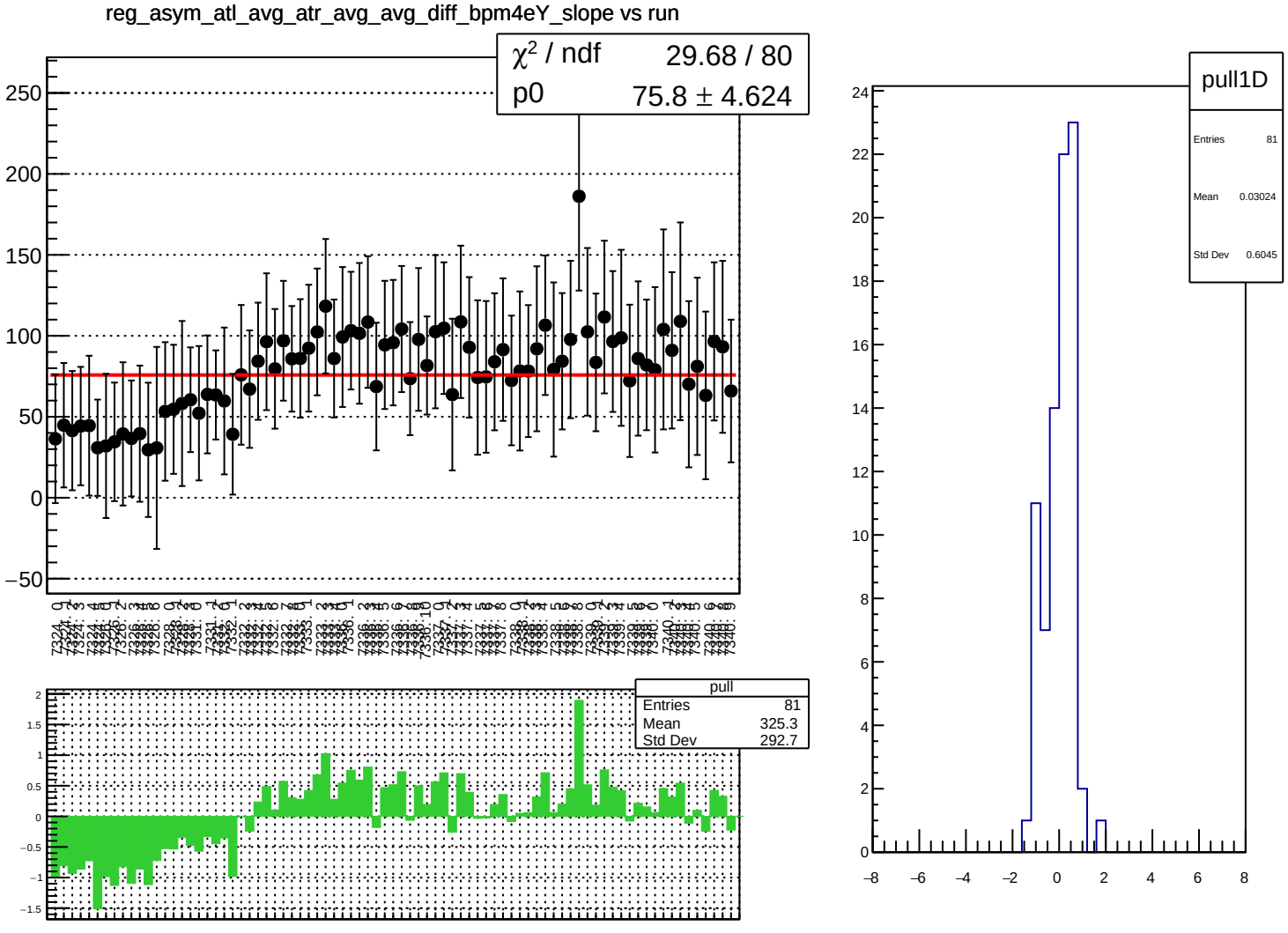

pull1D
Entries 81
Mean −0.02562
Std Dev 1.069

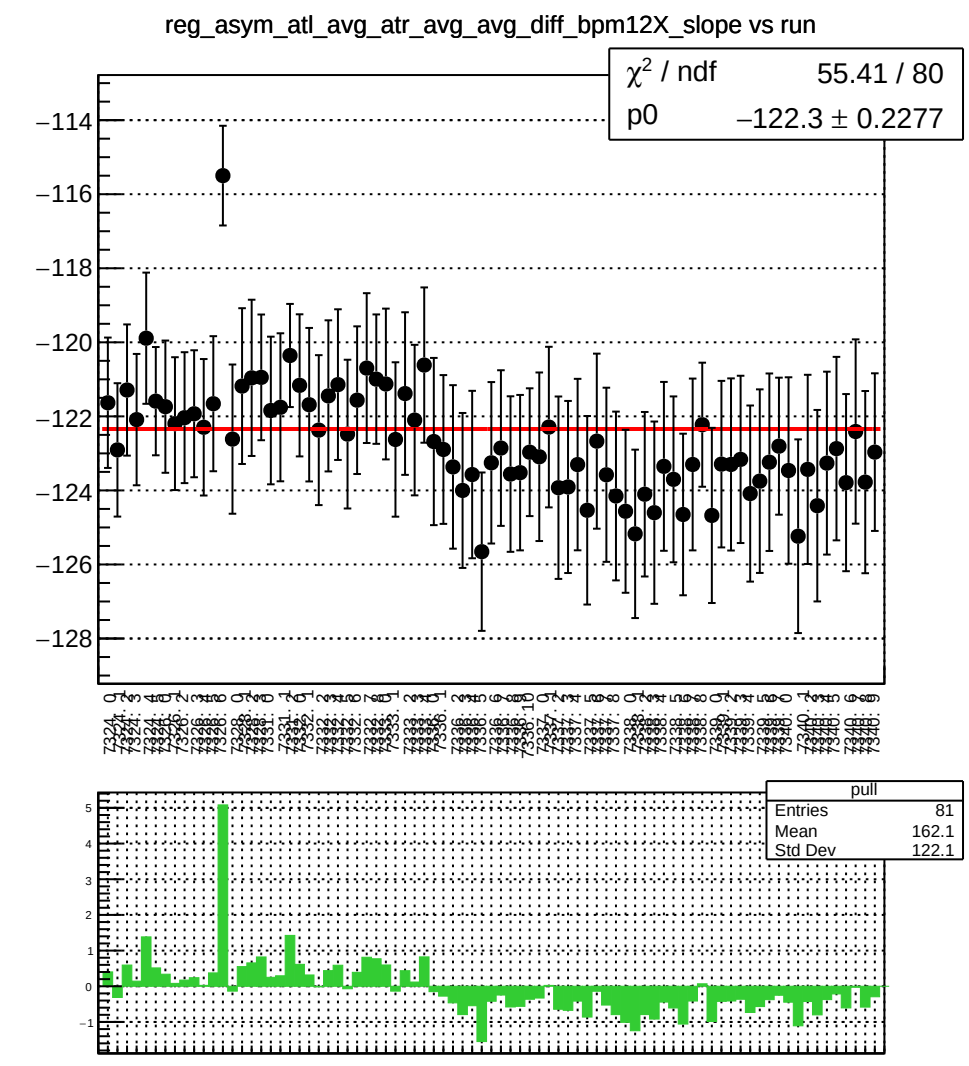

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 124 / 80
p0 −9.176 ± 0.05191
pull
Entries 81
Mean −271.7
Std Dev 313.2
pull1D
Entries 81
Mean −0.02612
Std Dev 1.237

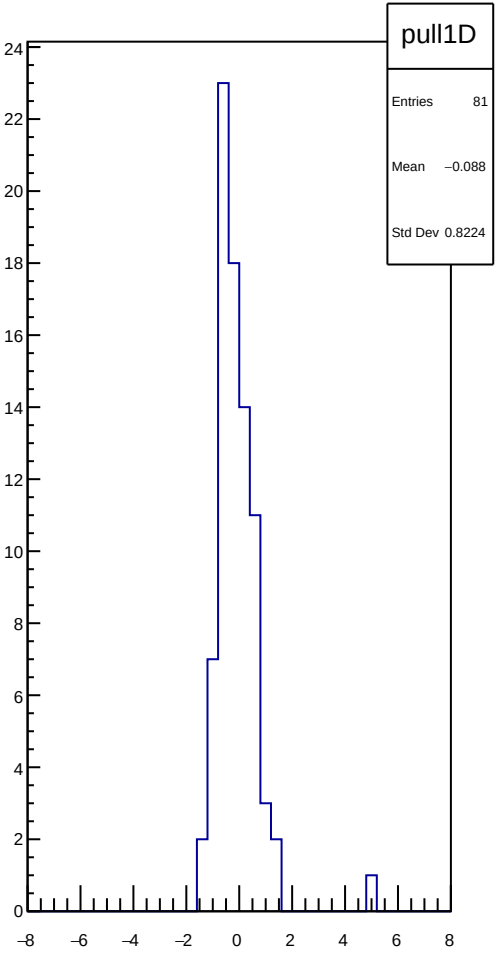

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 69.69 / 80
p0 −152.6 ± 4.896
pull
Entries 81
Mean −159.9
Std Dev 185.6
pull1D
Entries 81
Mean −0.06086
Std Dev 0.9255

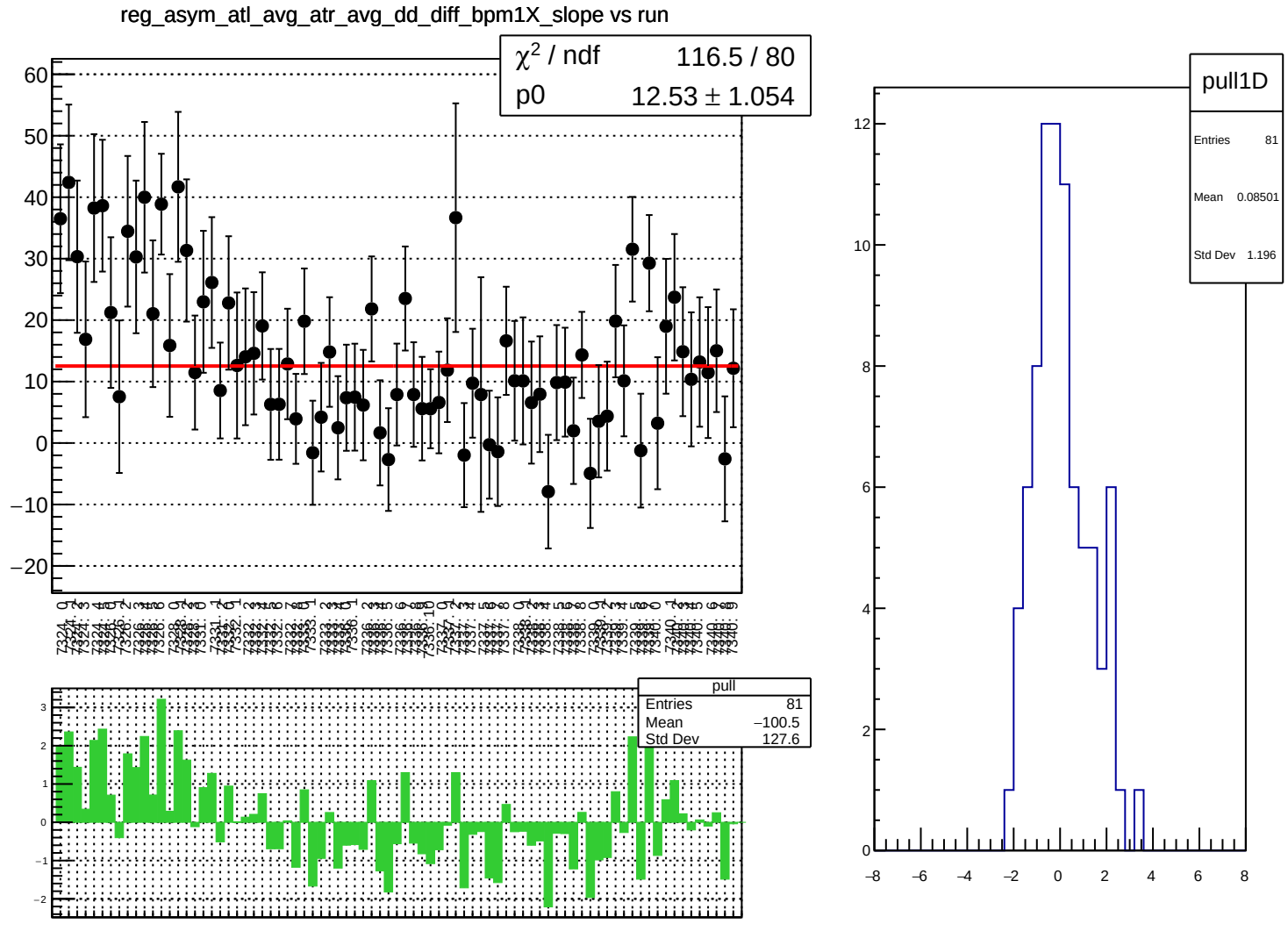

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.18 / 80
p0 −18.14 ± 4.394
pull
Entries 81
Mean 282.8
Std Dev 250.5
pull1D
Entries 81
Mean −0.03132
Std Dev 0.5677

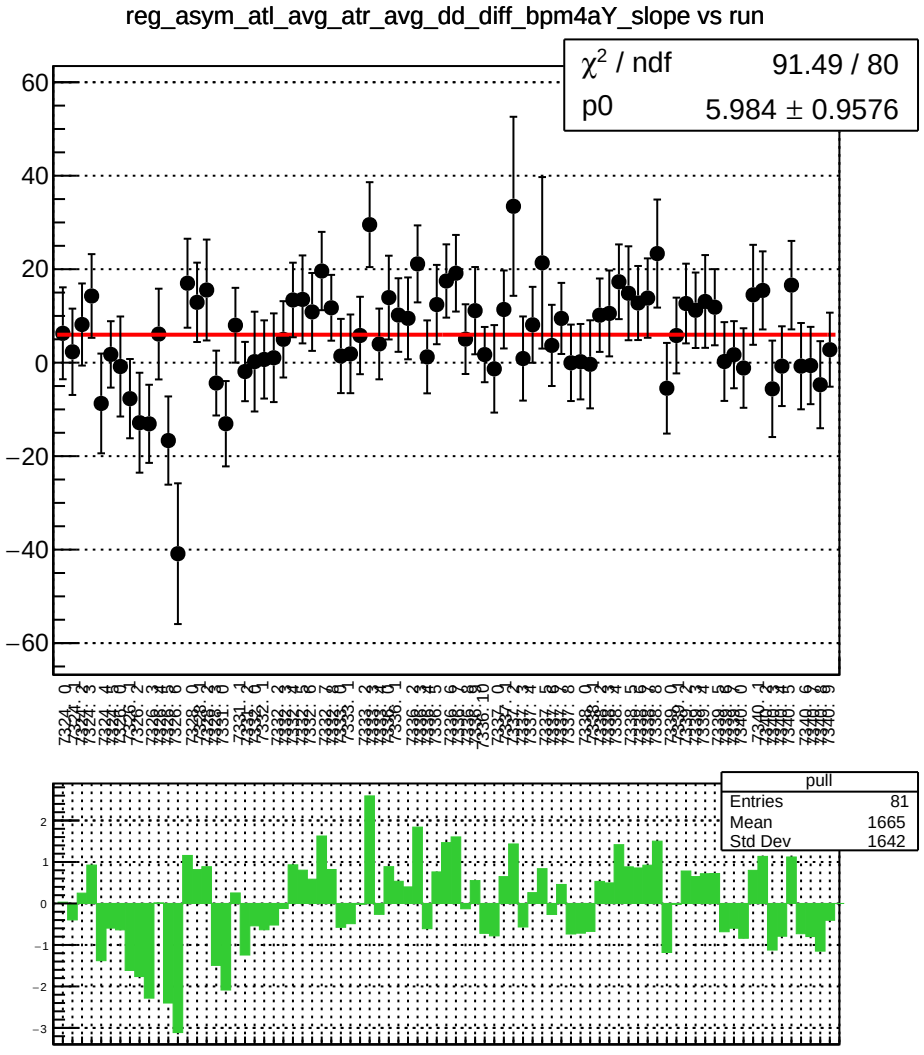

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.22 / 80
p0 157.1 ± 4.858
pull
Entries 81
Mean −165
Std Dev 191.2
pull1D
Entries 81
Mean 0.06099
Std Dev 0.9291

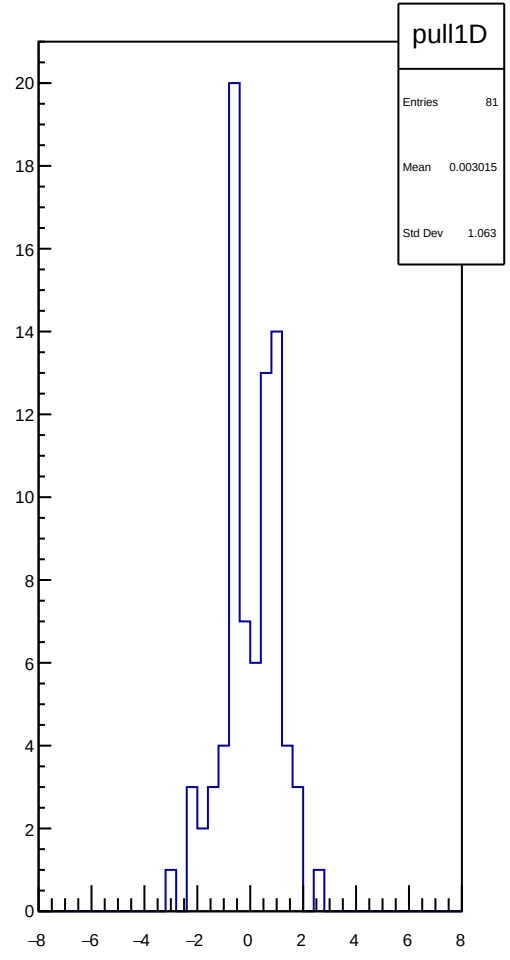

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.68 / 80
p0 75.8 ± 4.624
pull
Entries 81
Mean 325.3
Std Dev 292.7
pull1D
Entries 81
Mean 0.03024
Std Dev 0.6045

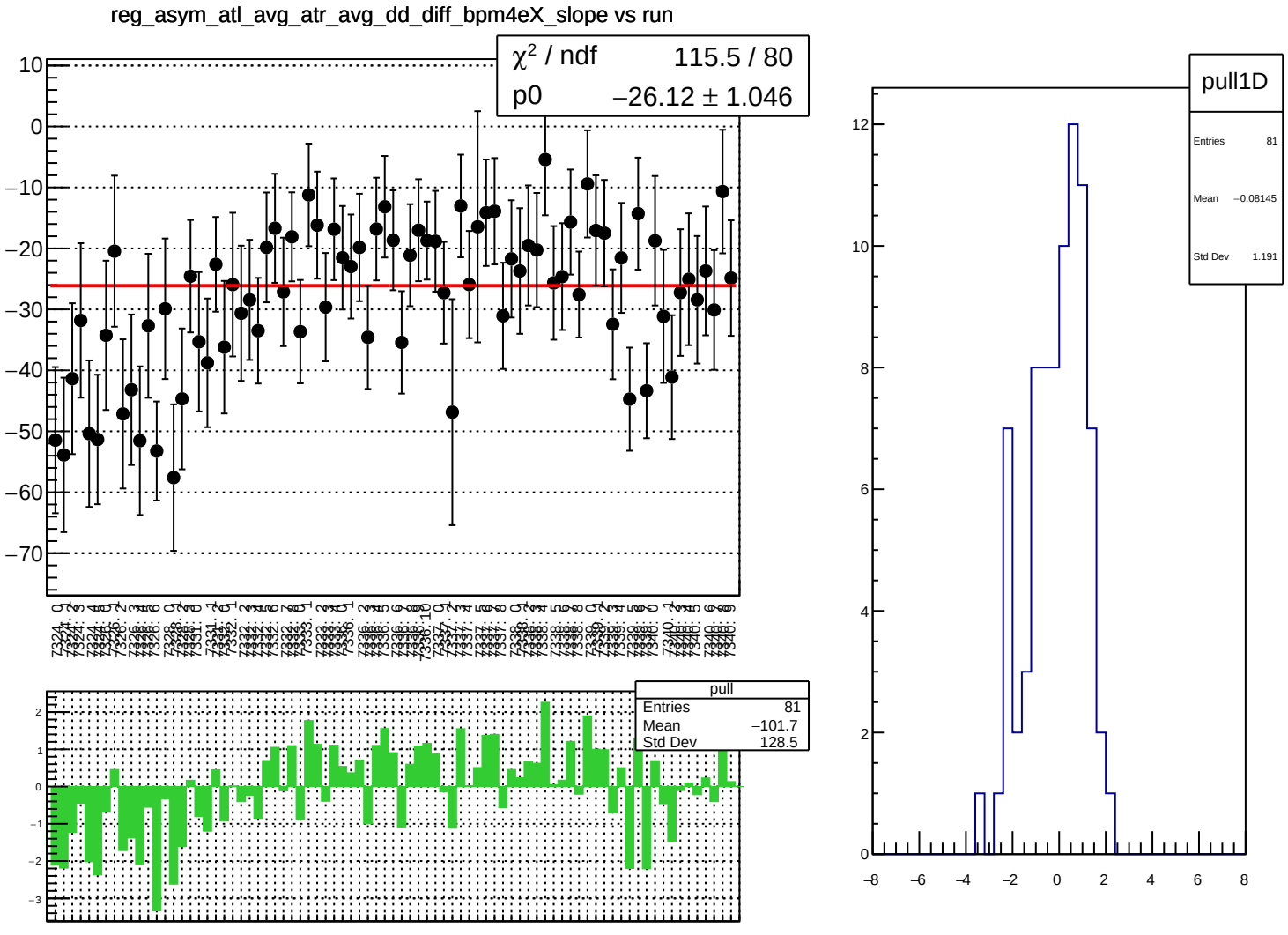

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 55.41 / 80
p0 −122.3 ± 0.2277
pull
Entries 81
Mean 162.1
Std Dev 122.1

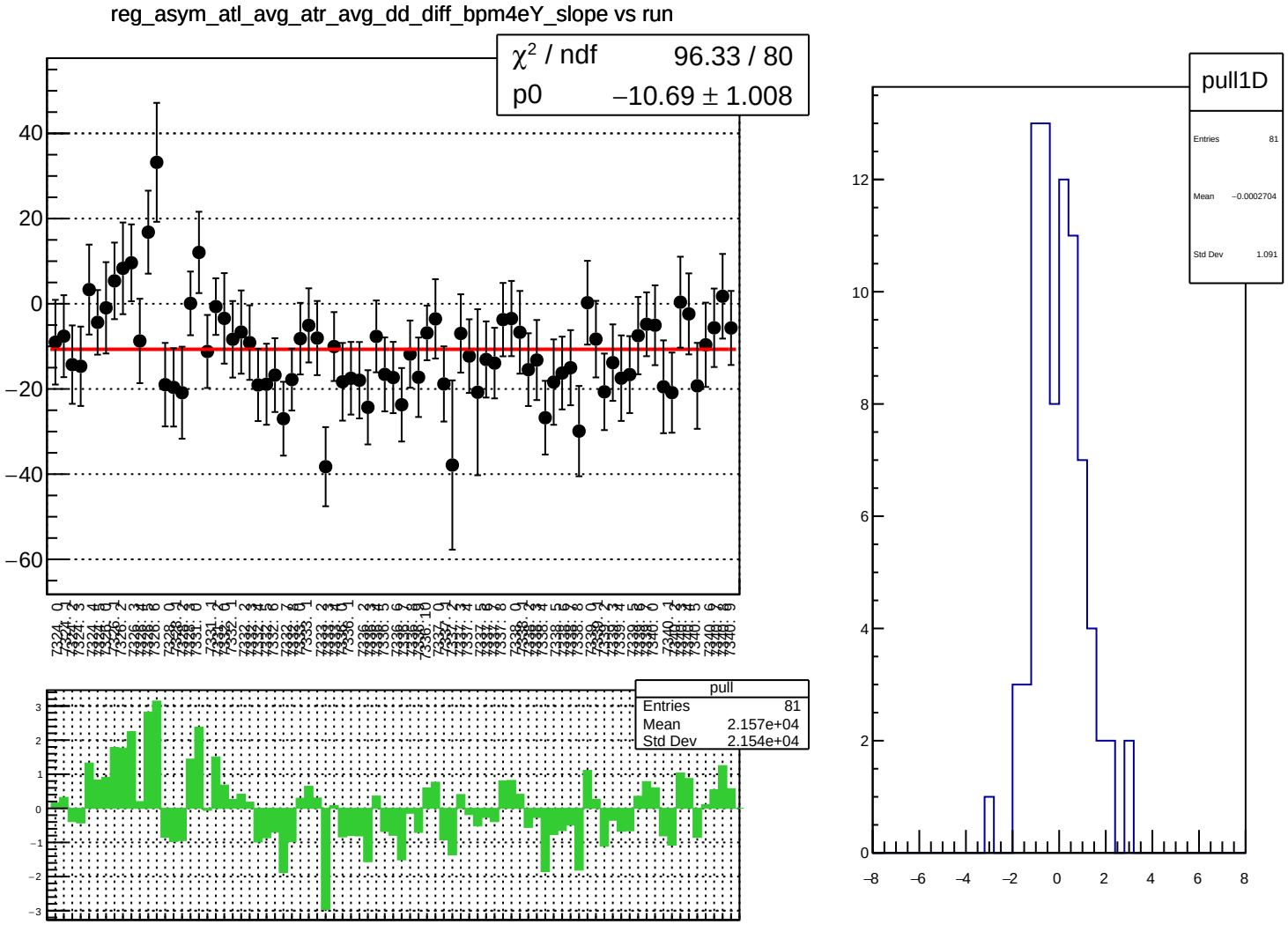

pull1D
Entries 81
Mean −0.088
Std Dev 0.8224

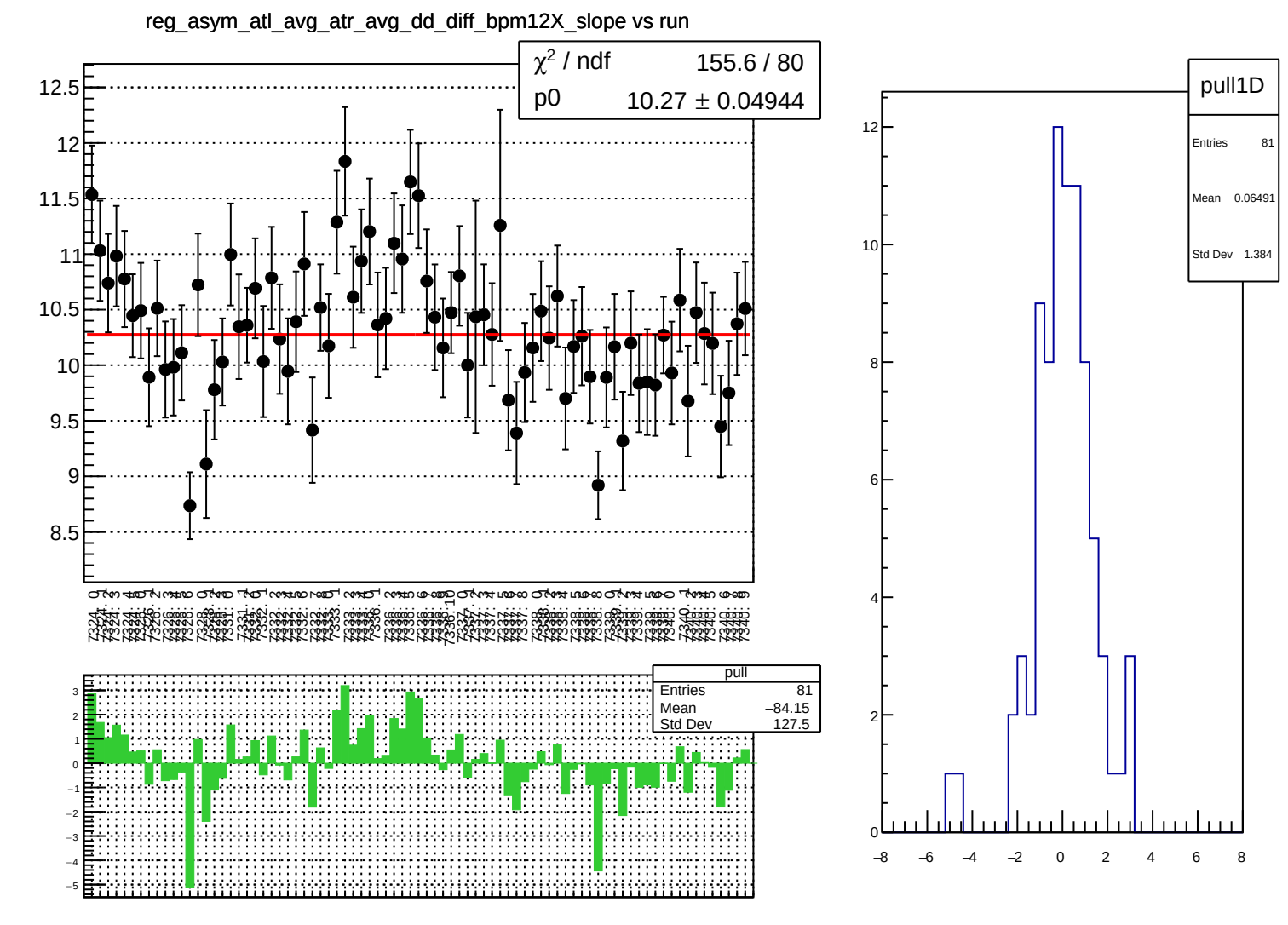

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 116.5 / 80
p0 12.53 ± 1.054
pull
Entries 81
Mean −100.5
Std Dev 127.6
pull1D
Entries 81
Mean 0.08501
Std Dev 1.196

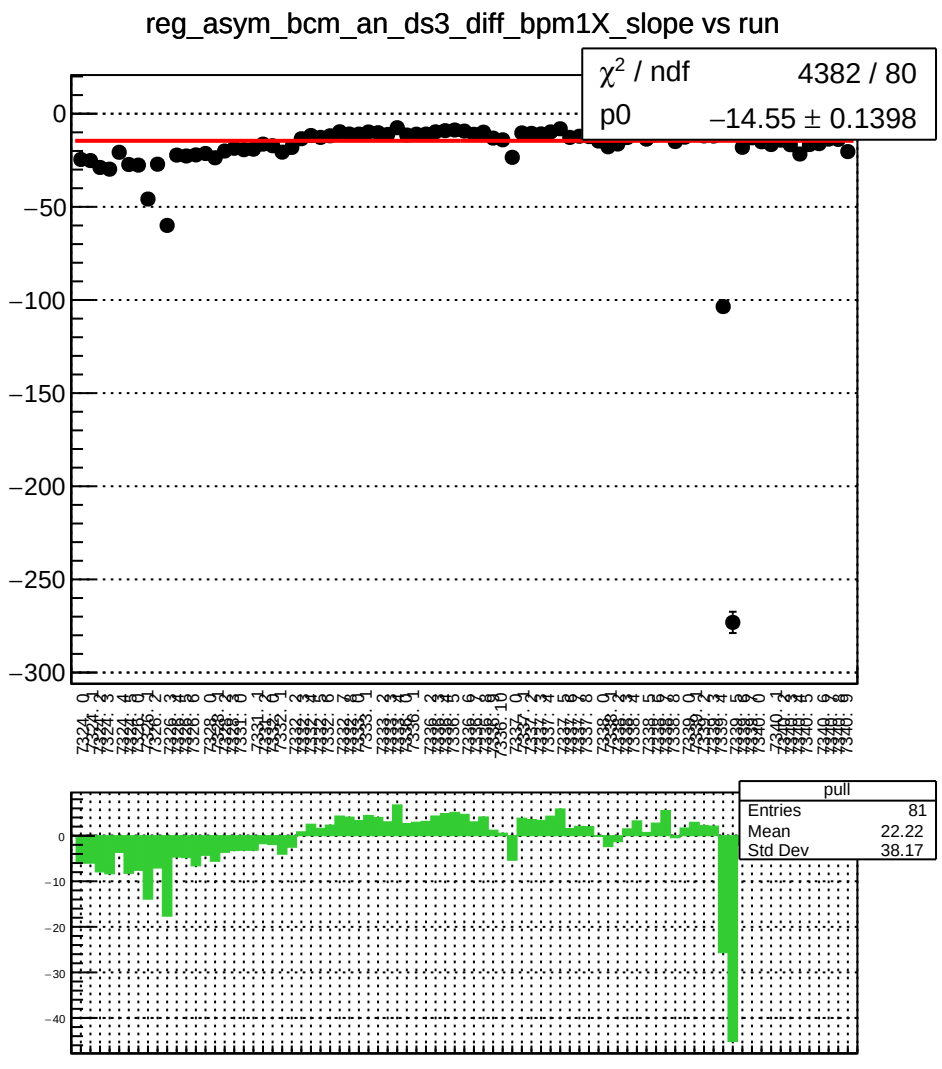

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 91.49 / 80
p0 5.984 ± 0.9576
pull
Entries 81
Mean 1665
Std Dev 1642

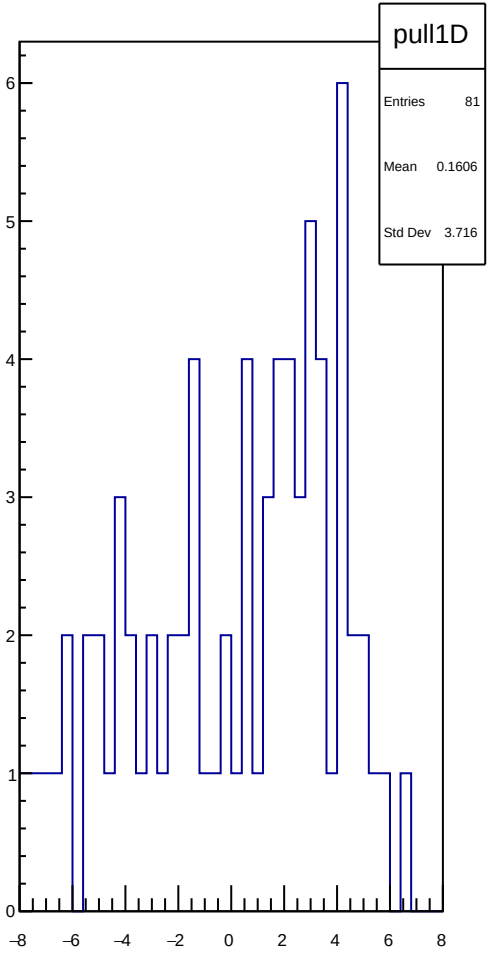

pull1D
Entries 81
Mean 0.003015
Std Dev 1.063

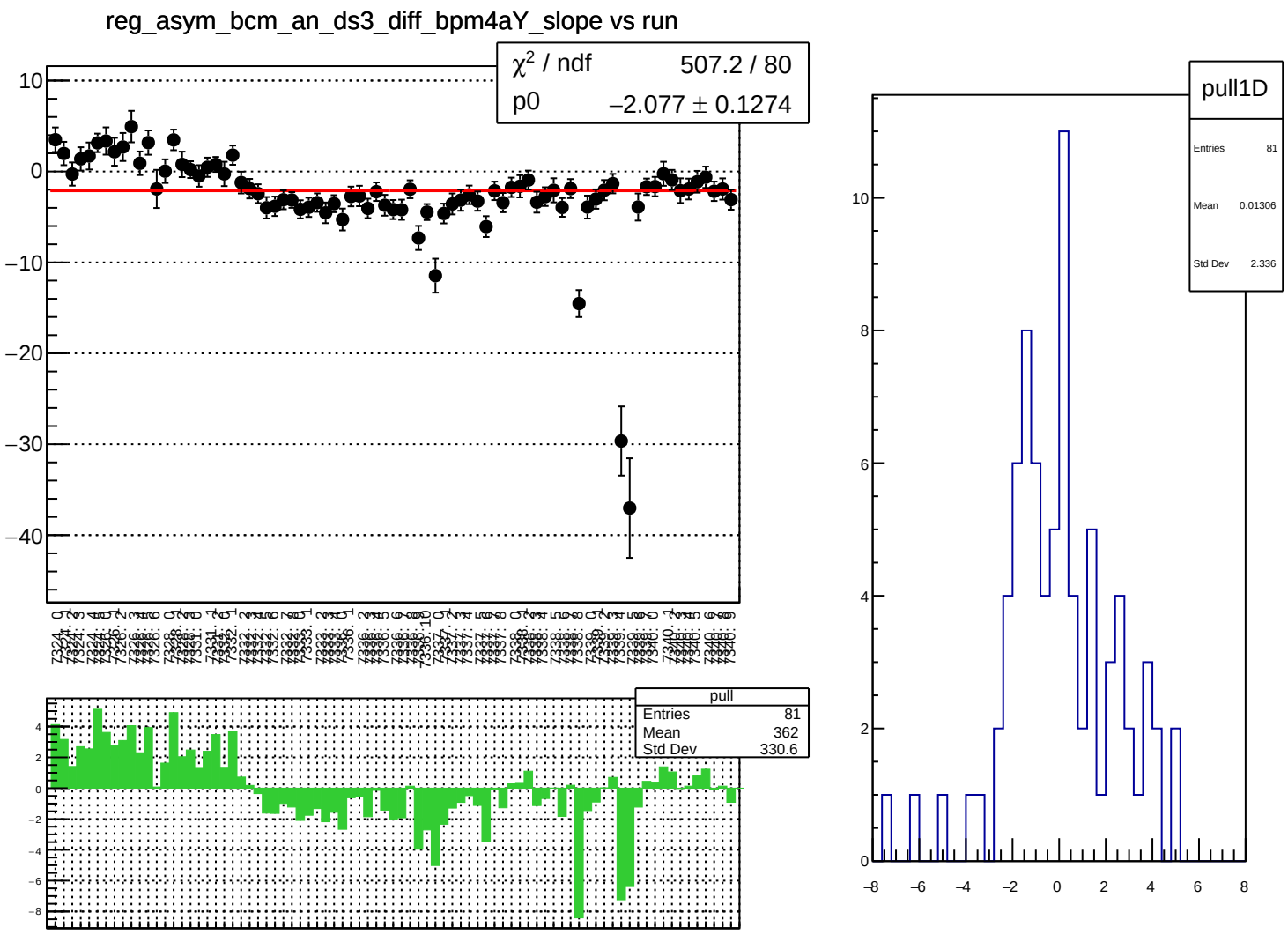

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.5 / 80
p0 −26.12 ± 1.046
pull
Entries 81
Mean −101.7
Std Dev 128.5
pull1D
Entries 81
Mean −0.08145
Std Dev 1.191

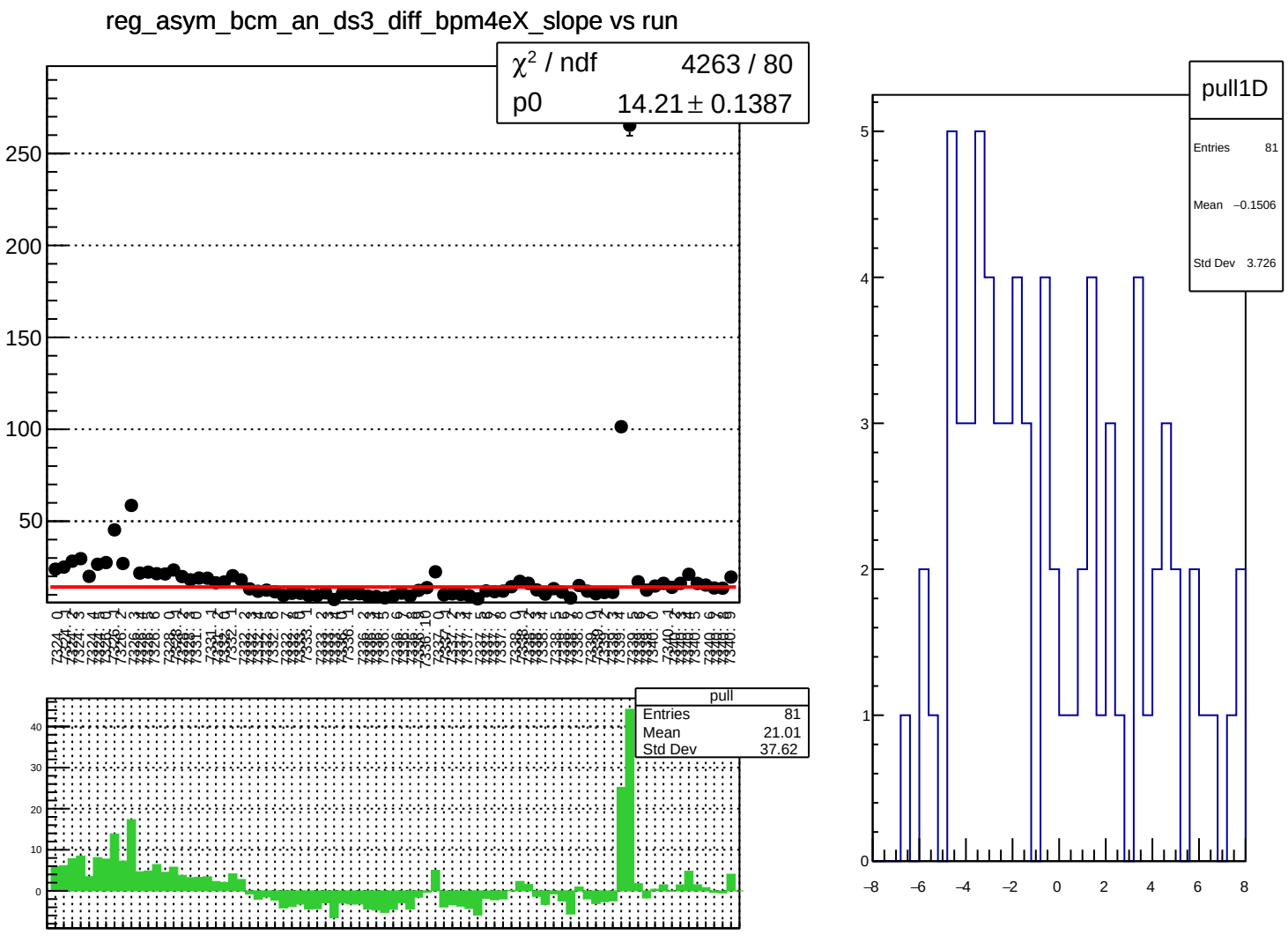

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.33 / 80
p0 −10.69 ± 1.008
pull
Entries 81
Mean 2.157e+04
Std Dev 2.154e+04
pull1D
Entries 81
Mean −0.0002704
Std Dev 1.091

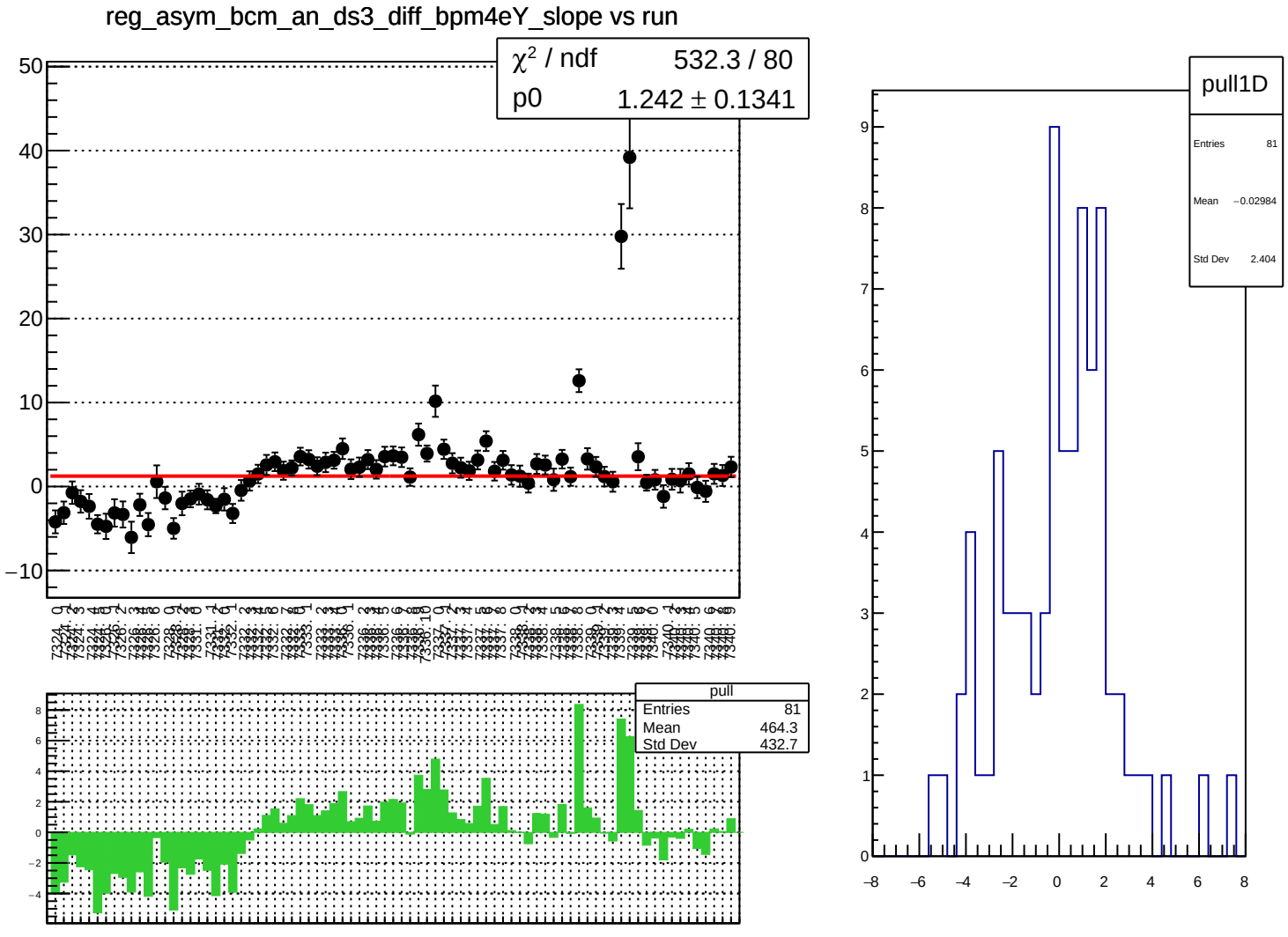

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 155.6 / 80
p0 10.27 ± 0.04944
pull
Entries 81
Mean −84.15
Std Dev 127.5
pull1D
Entries 81
Mean 0.06491
Std Dev 1.384

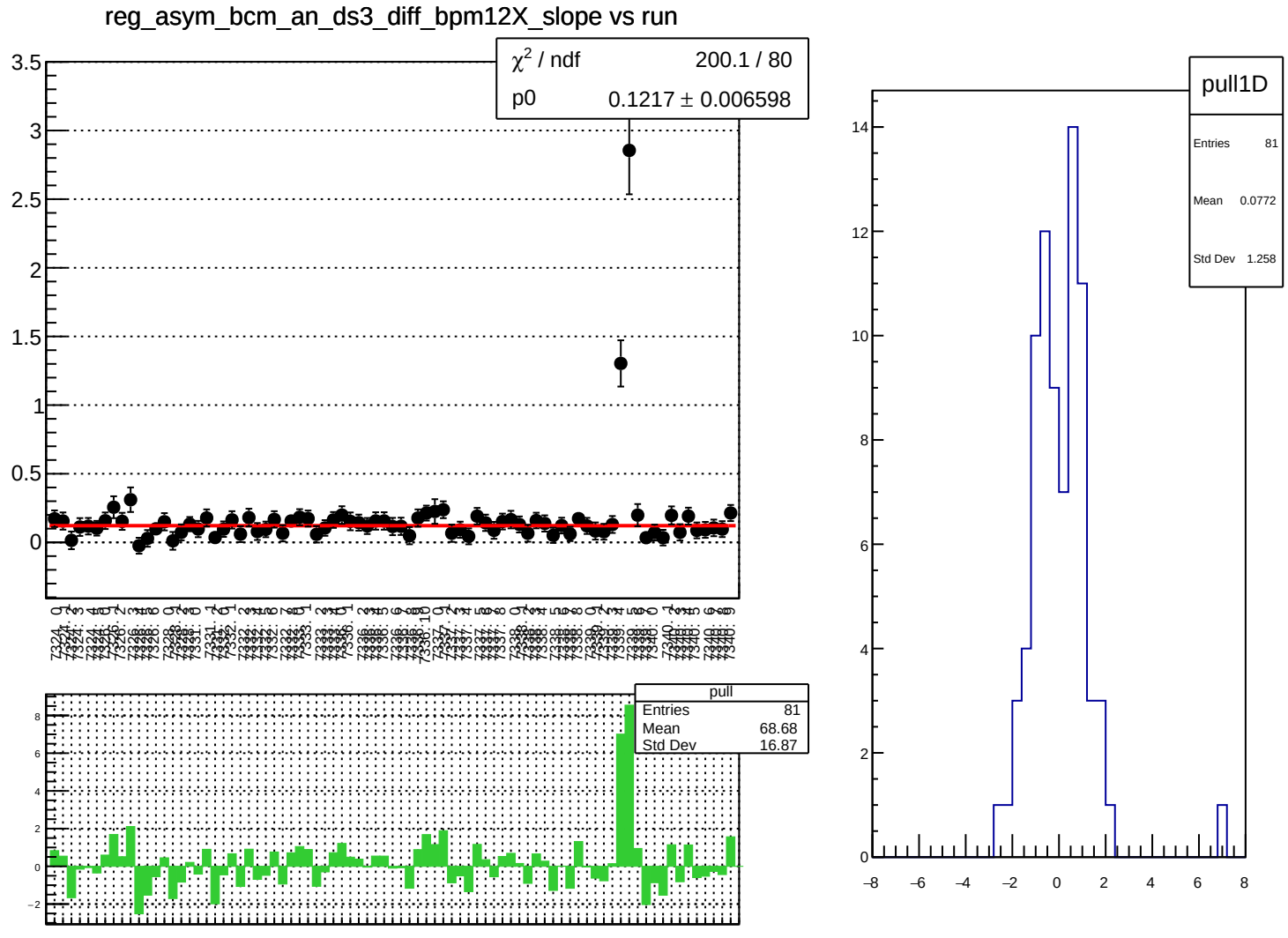

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4382 / 80
p0 −14.55 ± 0.1398
pull
Entries 81
Mean 22.22
Std Dev 38.17

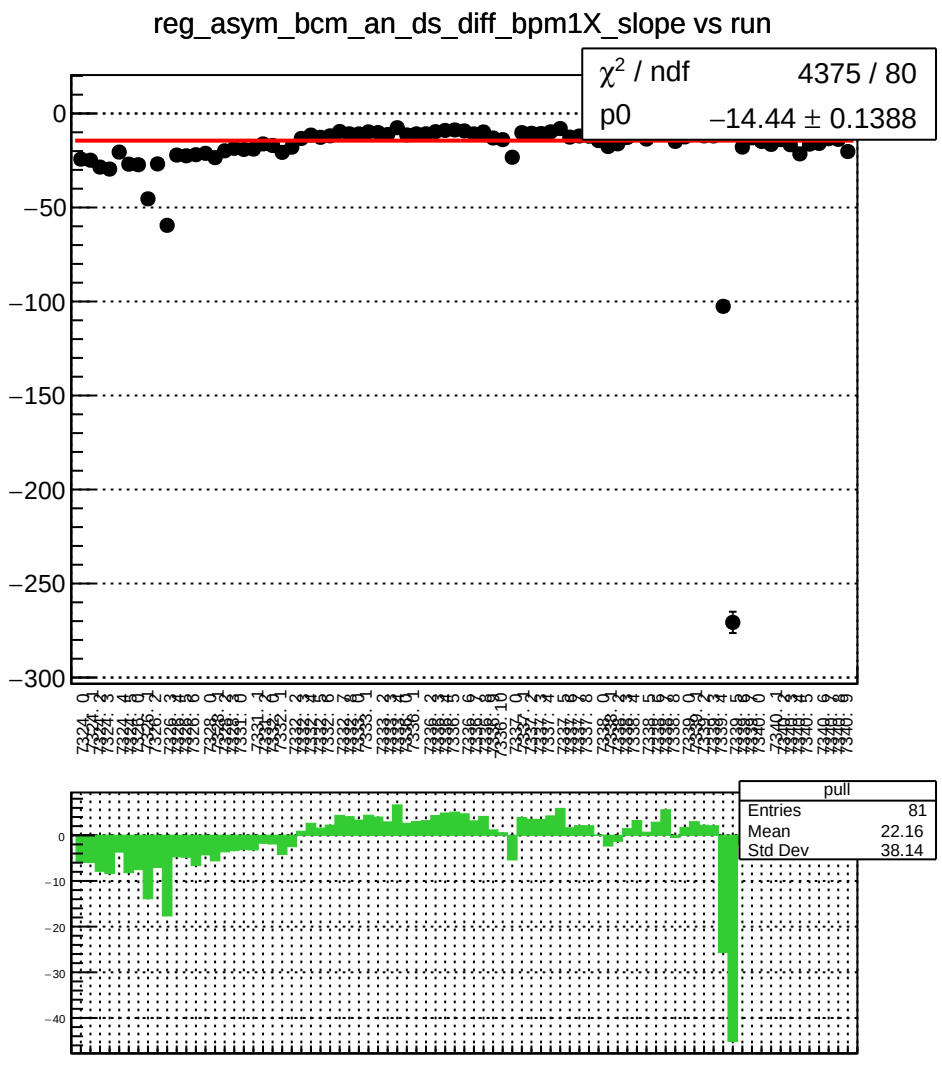

pull1D
Entries 81
Mean 0.1606
Std Dev 3.716

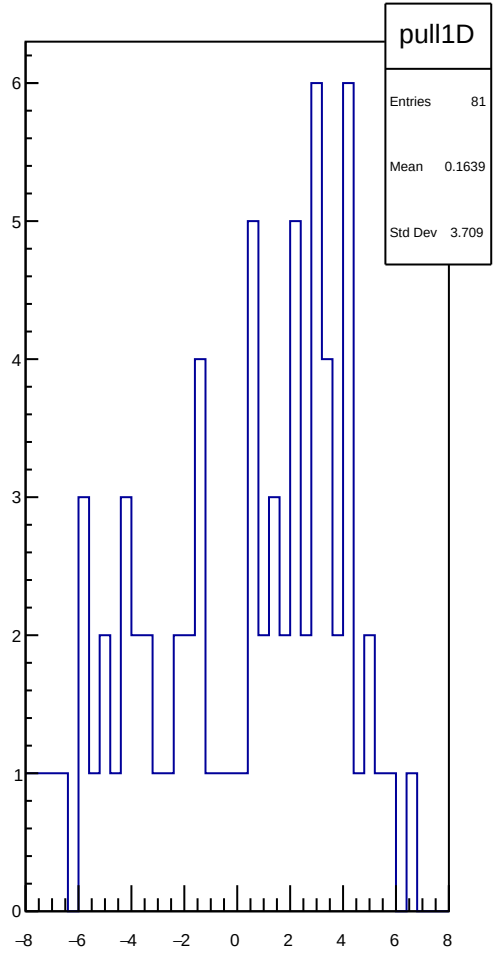

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 507.2 / 80
p0 −2.077 ± 0.1274
pull
Entries 81
Mean 362
Std Dev 330.6
pull1D
Entries 81
Mean 0.01306
Std Dev 2.336

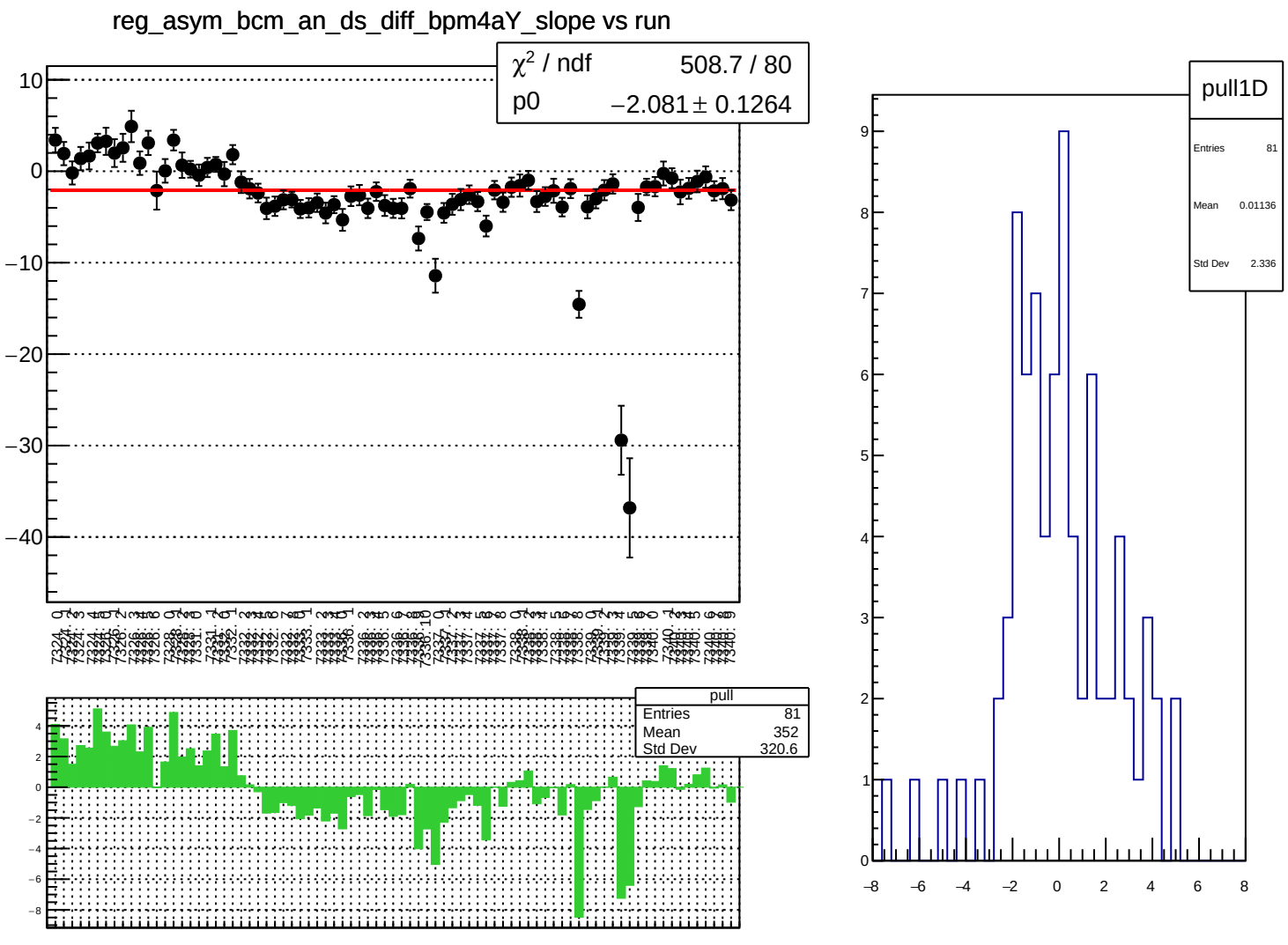

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4263 / 80
p0 14.21 ± 0.1387
250
200
150
100
50
pull
Entries 81
Mean 21.01
Std Dev 37.62
40
30
20
10
0
pull1D
Entries 81
Mean −0.1506
Std Dev 3.726
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

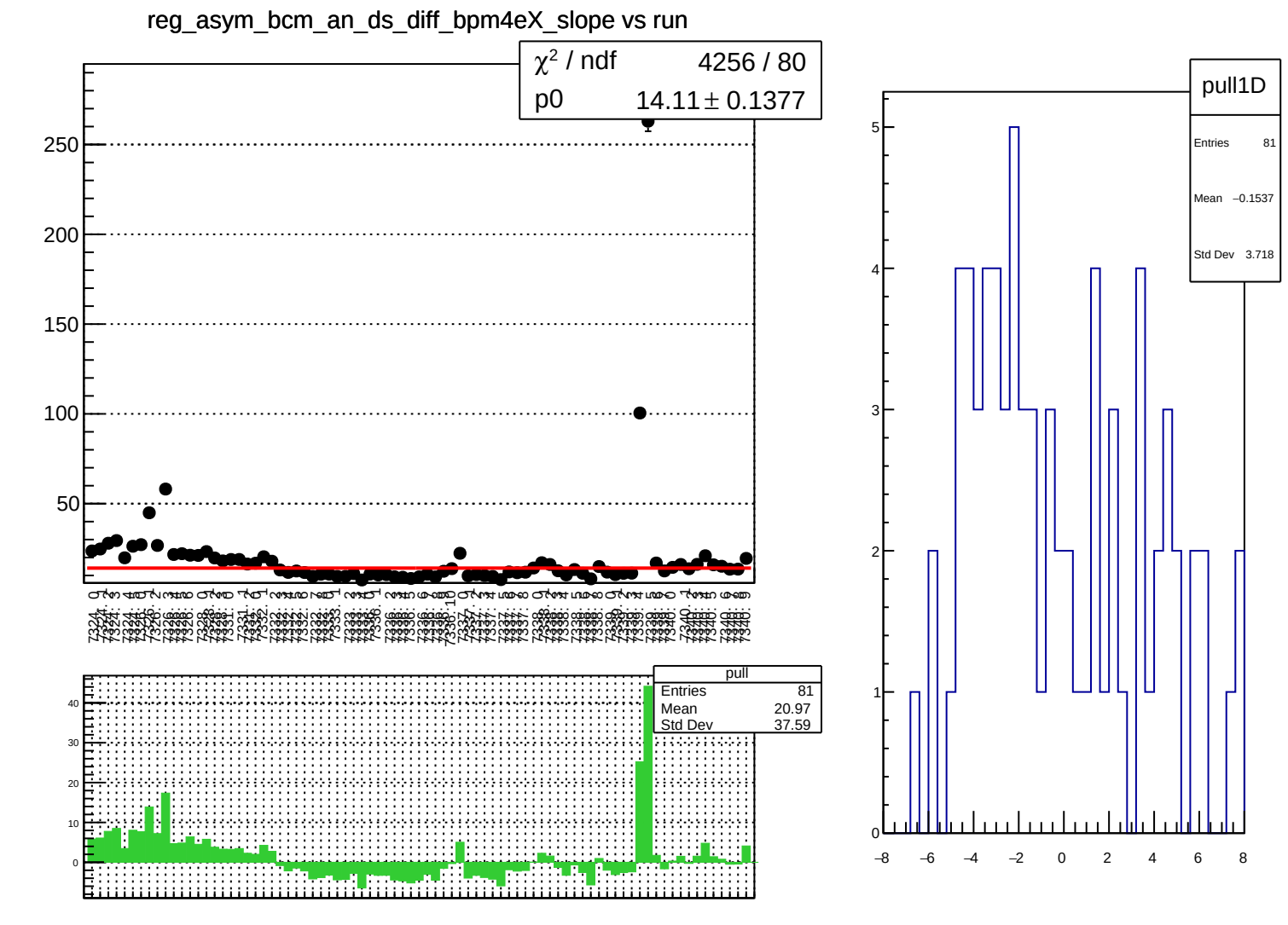

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 532.3 / 80
p0 1.242 ± 0.1341
pull
Entries 81
Mean 464.3
Std Dev 432.7
pull1D
Entries 81
Mean −0.02984
Std Dev 2.404

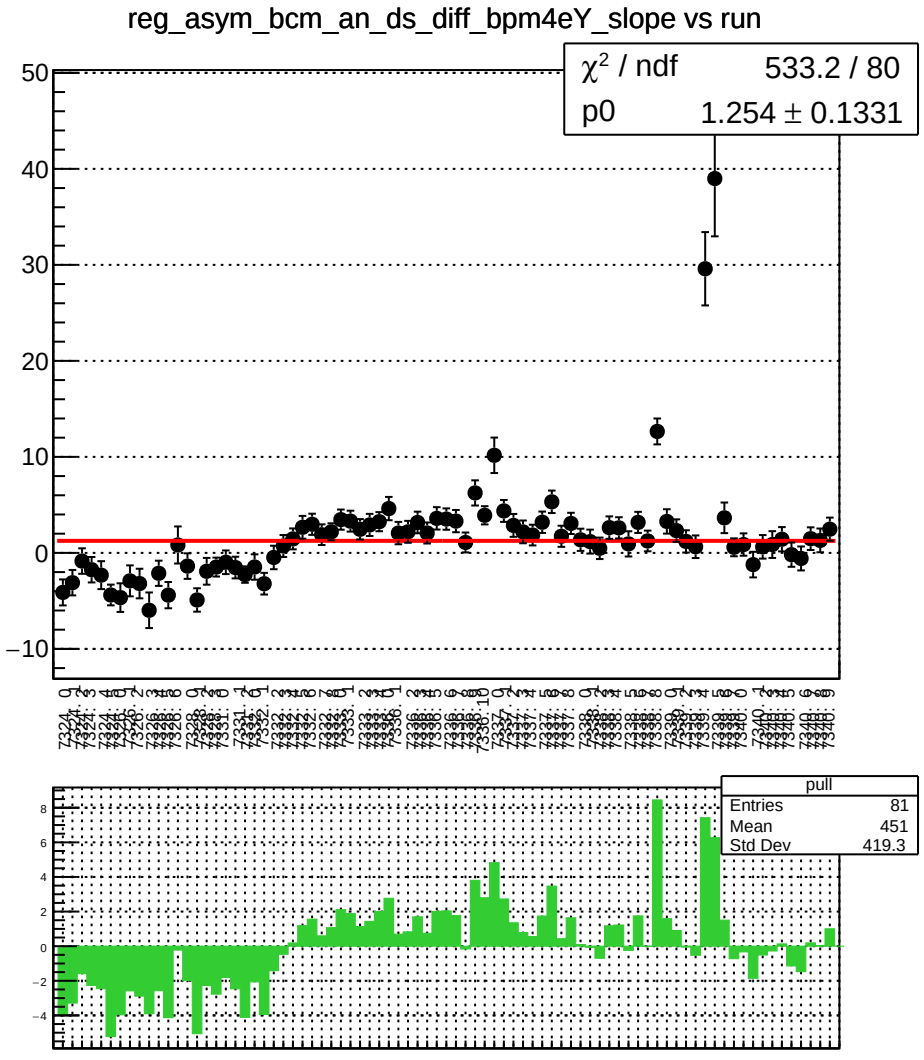

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 200.1 / 80
p0 0.1217 ± 0.006598
pull
Entries 81
Mean 68.68
Std Dev 16.87
pull1D
Entries 81
Mean 0.0772
Std Dev 1.258

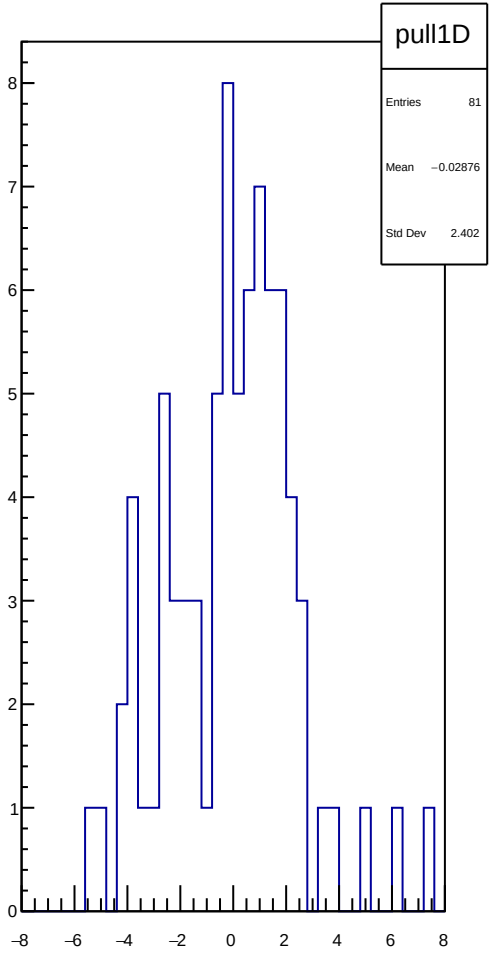

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4375 / 80
p0 −14.44 ± 0.1388
pull
Entries 81
Mean 22.16
Std Dev 38.14

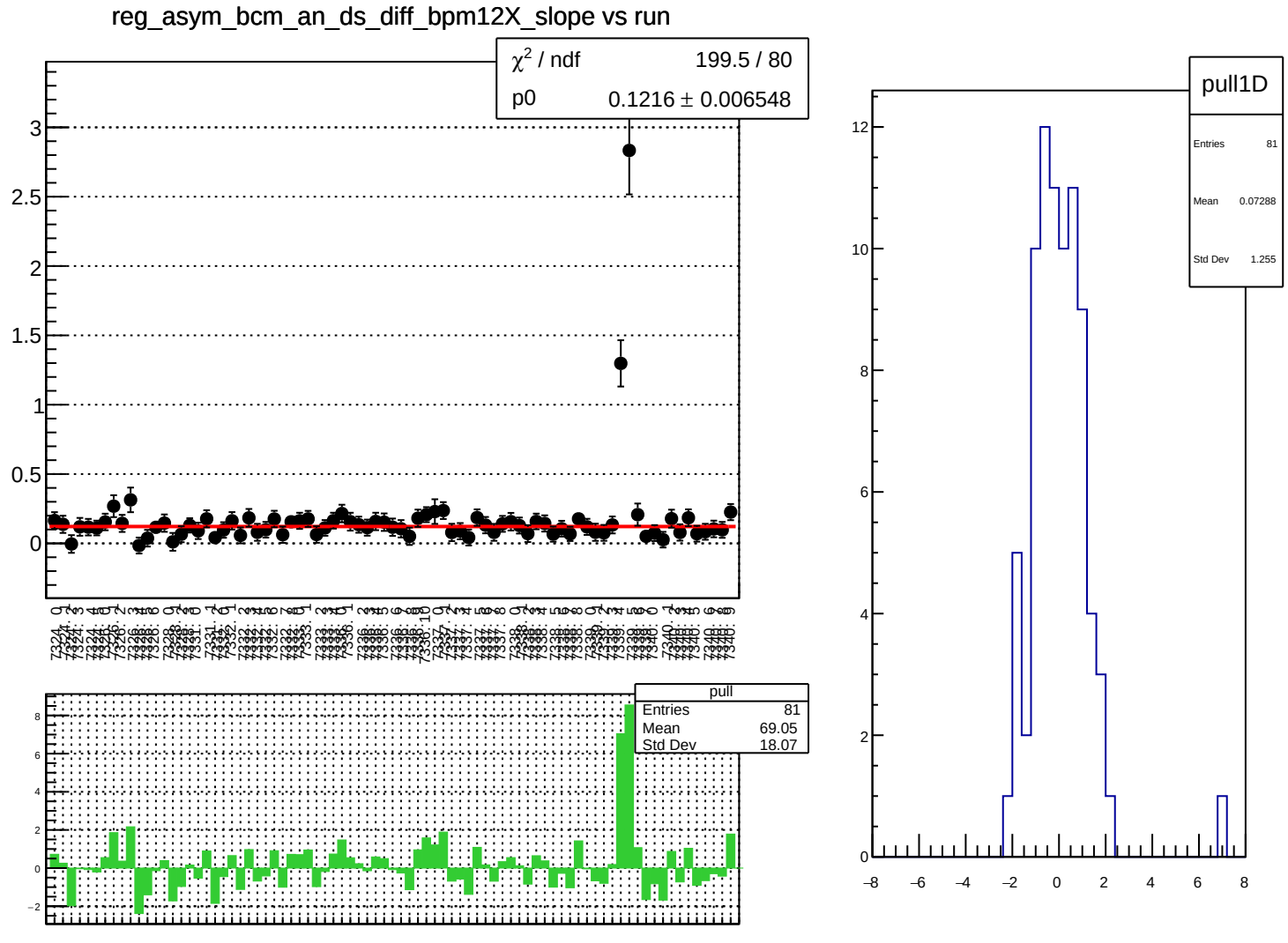

pull1D
Entries 81
Mean 0.1639
Std Dev 3.709

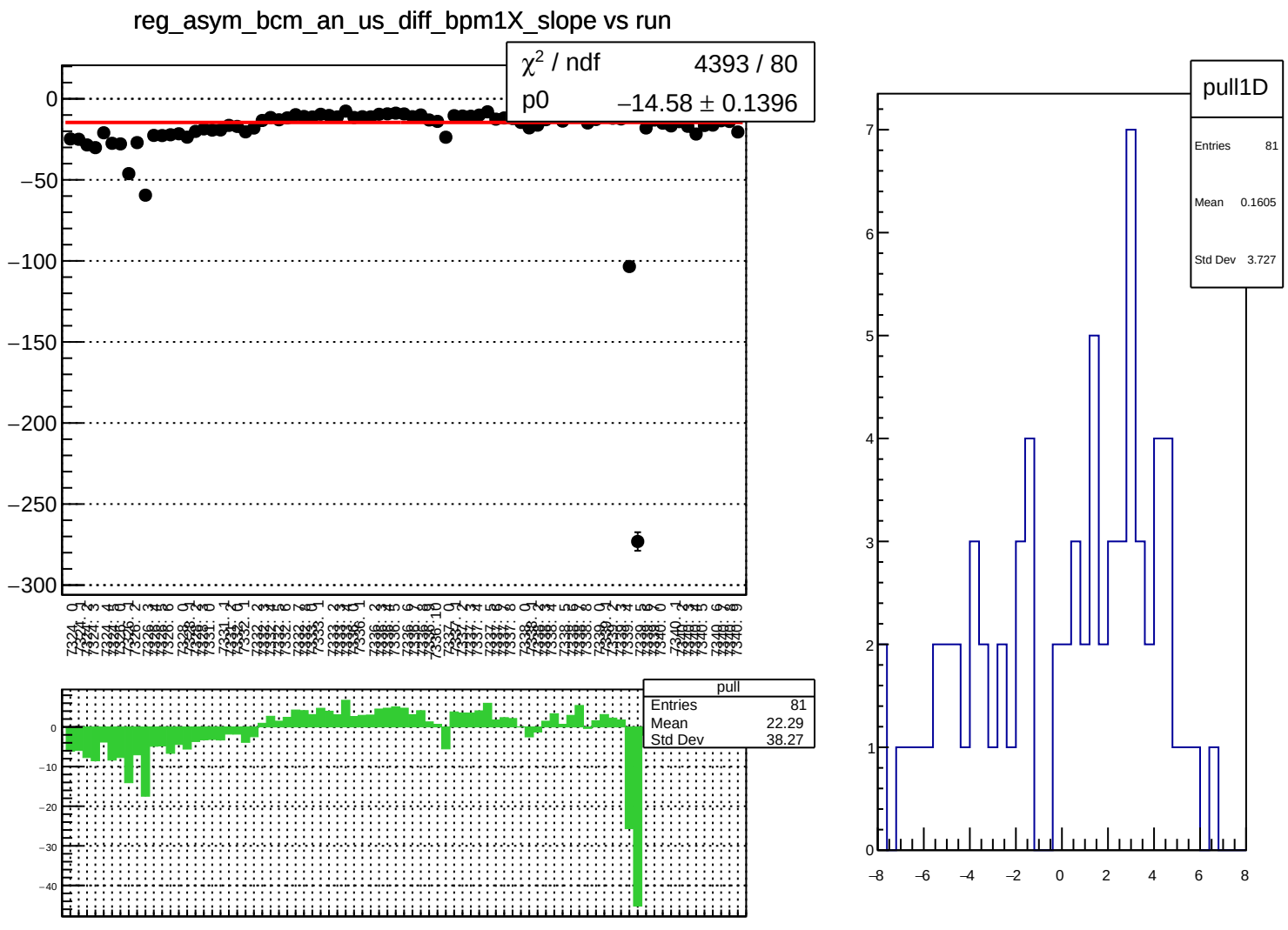

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 508.7 / 80
p0 −2.081 ± 0.1264
pull
Entries 81
Mean 352
Std Dev 320.6
pull1D
Entries 81
Mean 0.01136
Std Dev 2.336

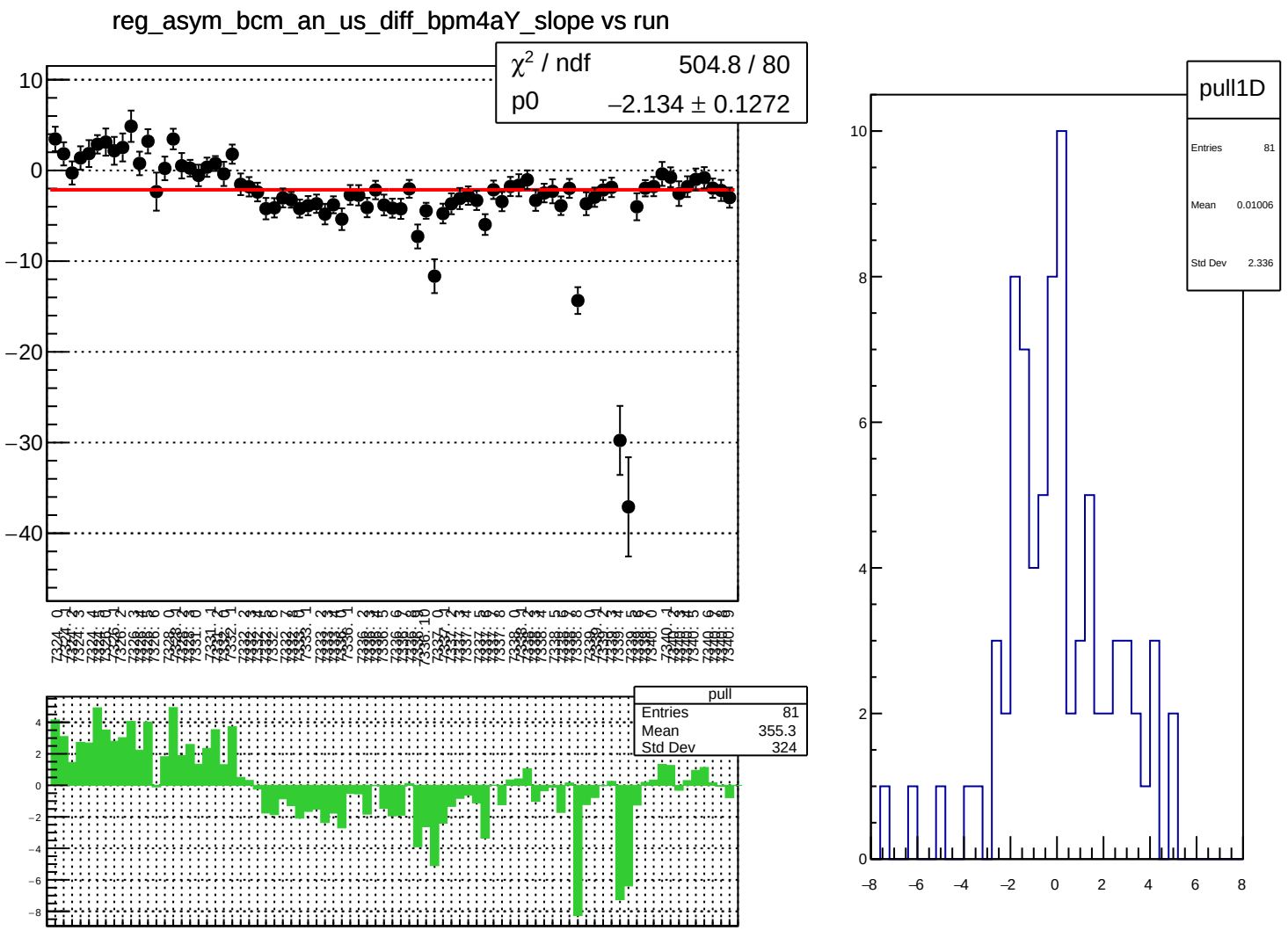

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4256 / 80
p0 14.11 ± 0.1377
250
200
150
100
50
pull
Entries 81
Mean 20.97
Std Dev 37.59
40
30
20
10
0
pull1D
Entries 81
Mean −0.1537
Std Dev 3.718
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

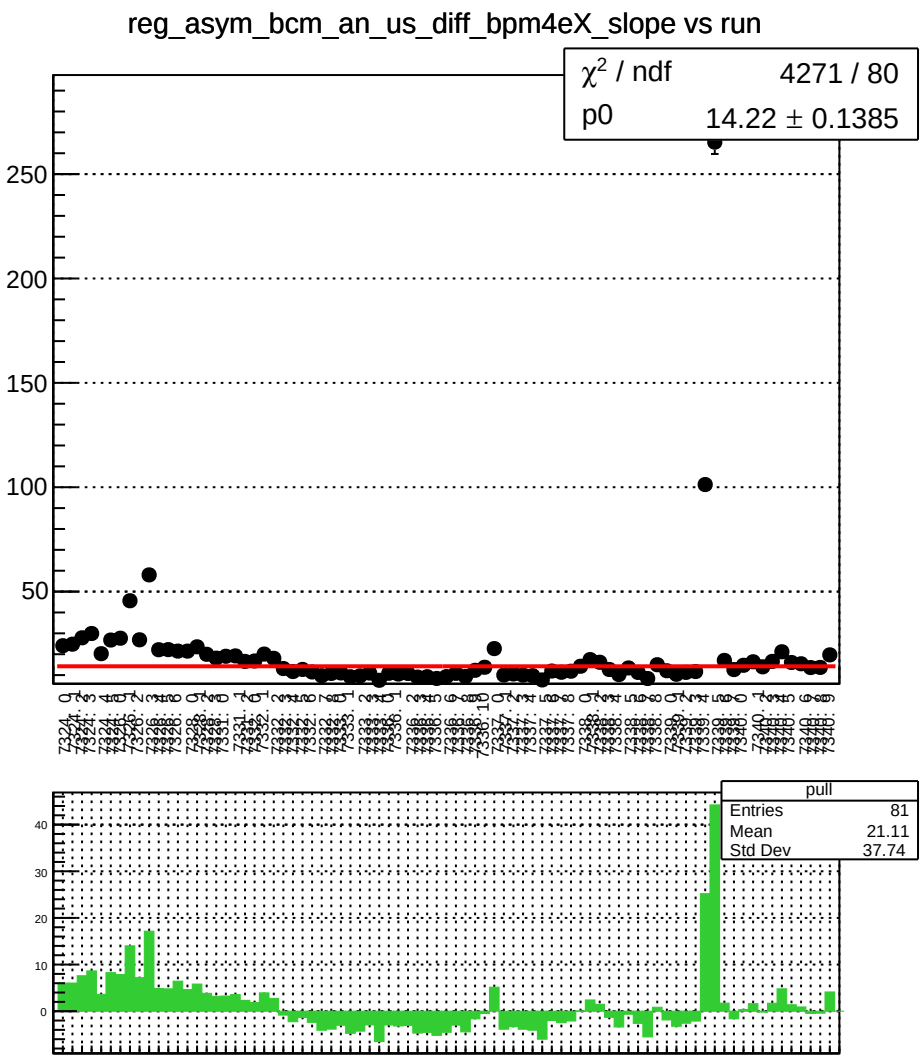

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 533.2 / 80
p0 1.254 ± 0.1331
pull
Entries 81
Mean 451
Std Dev 419.3

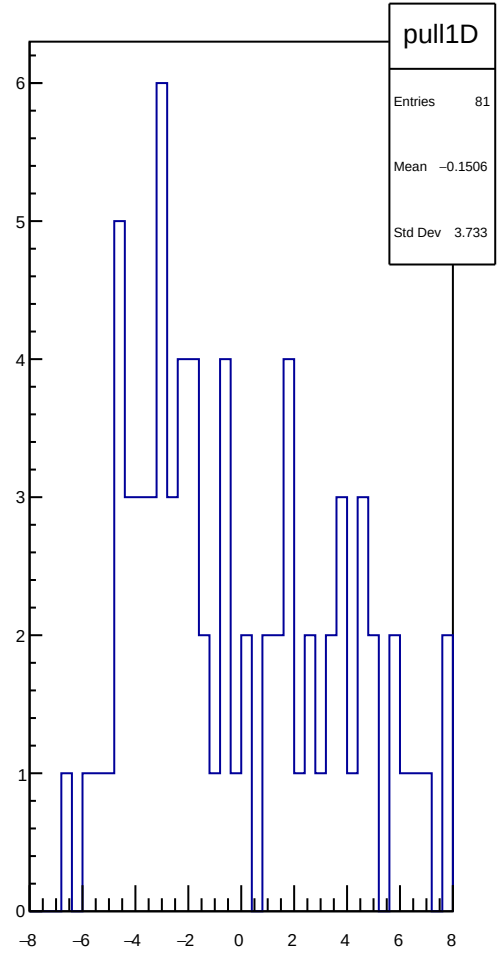

pull1D
Entries 81
Mean −0.02876
Std Dev 2.402

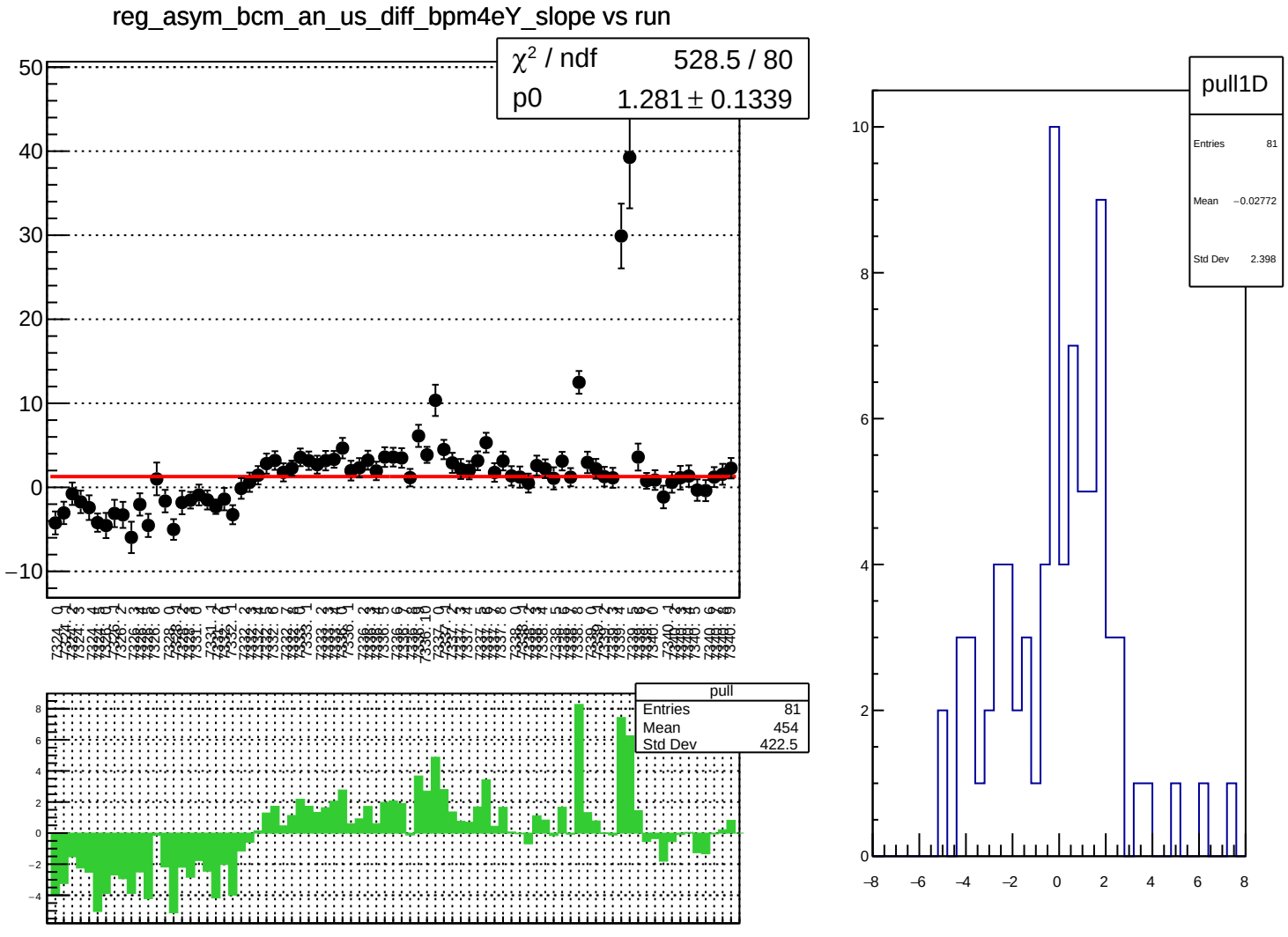

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 199.5 / 80
p0 0.1216 ± 0.006548
pull
Entries 81
Mean 69.05
Std Dev 18.07
pull1D
Entries 81
Mean 0.07288
Std Dev 1.255

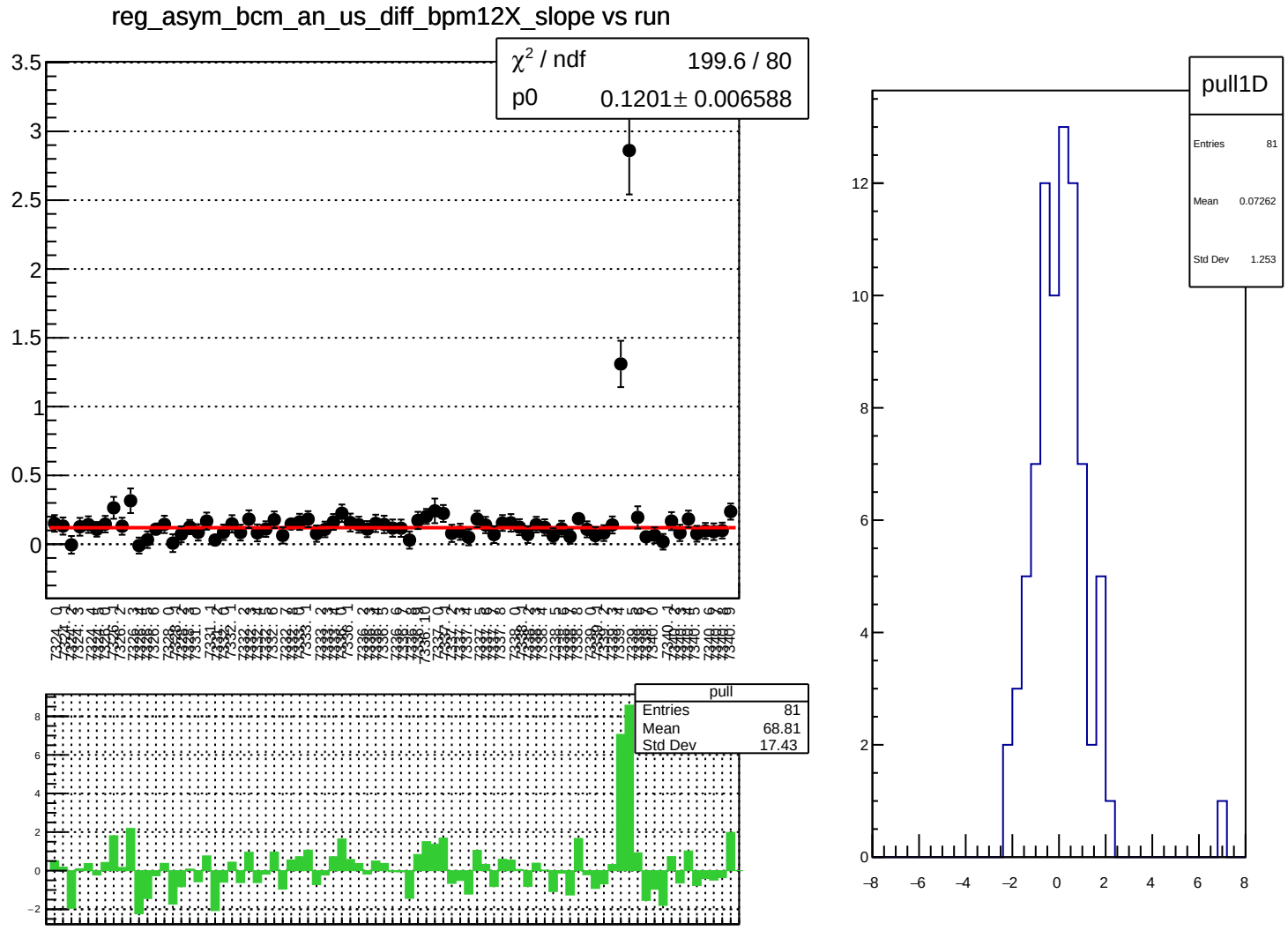

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4393 / 80
p0 −14.58 ± 0.1396
pull
Entries 81
Mean 22.29
Std Dev 38.27
pull1D
Entries 81
Mean 0.1605
Std Dev 3.727

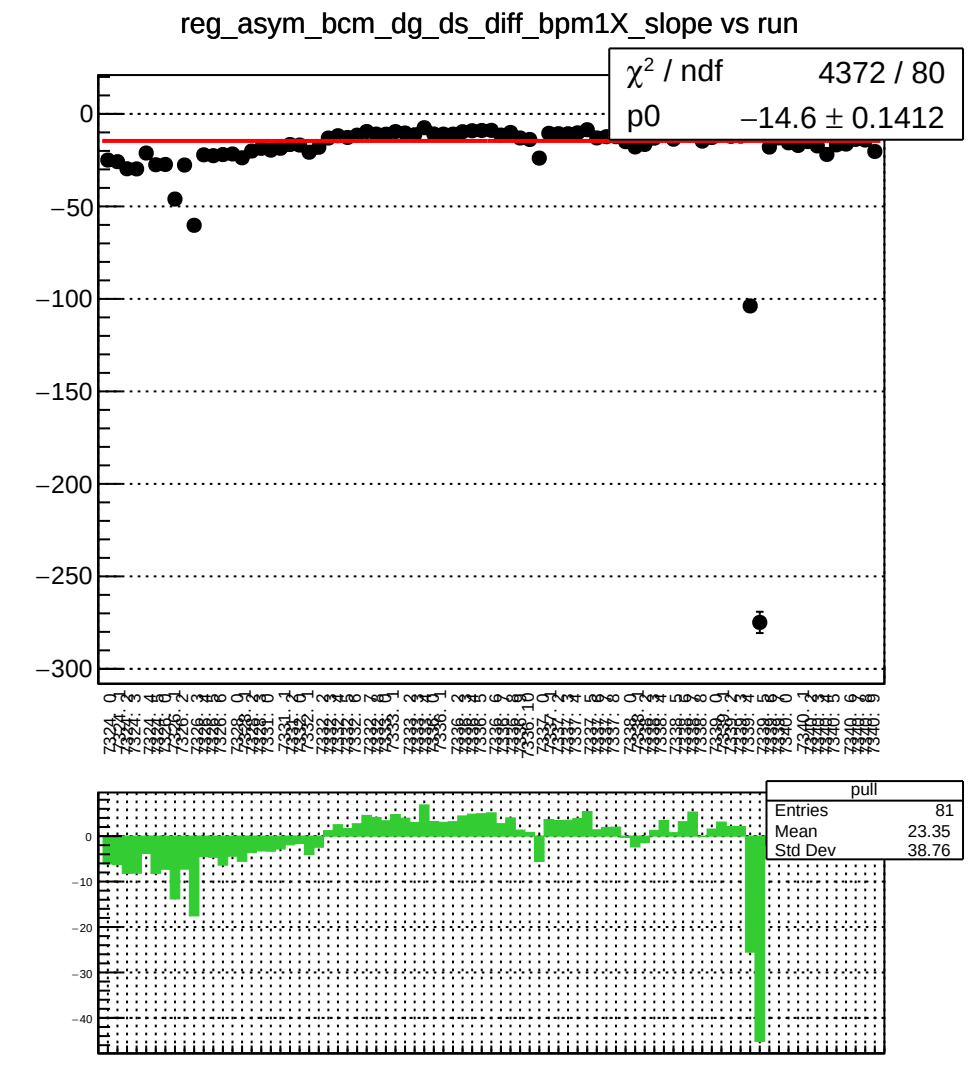

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 504.8 / 80
p0 −2.134 ± 0.1272
pull
Entries 81
Mean 355.3
Std Dev 324
pull1D
Entries 81
Mean 0.01006
Std Dev 2.336

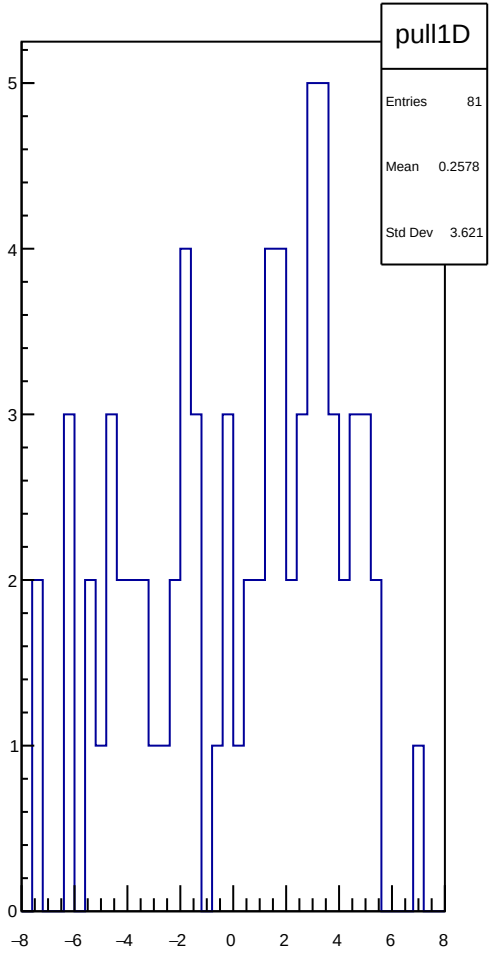

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4271 / 80
p0 14.22 ± 0.1385
250
200
150
100
50
pull
Entries 81
Mean 21.11
Std Dev 37.74
40
30
20
10
0

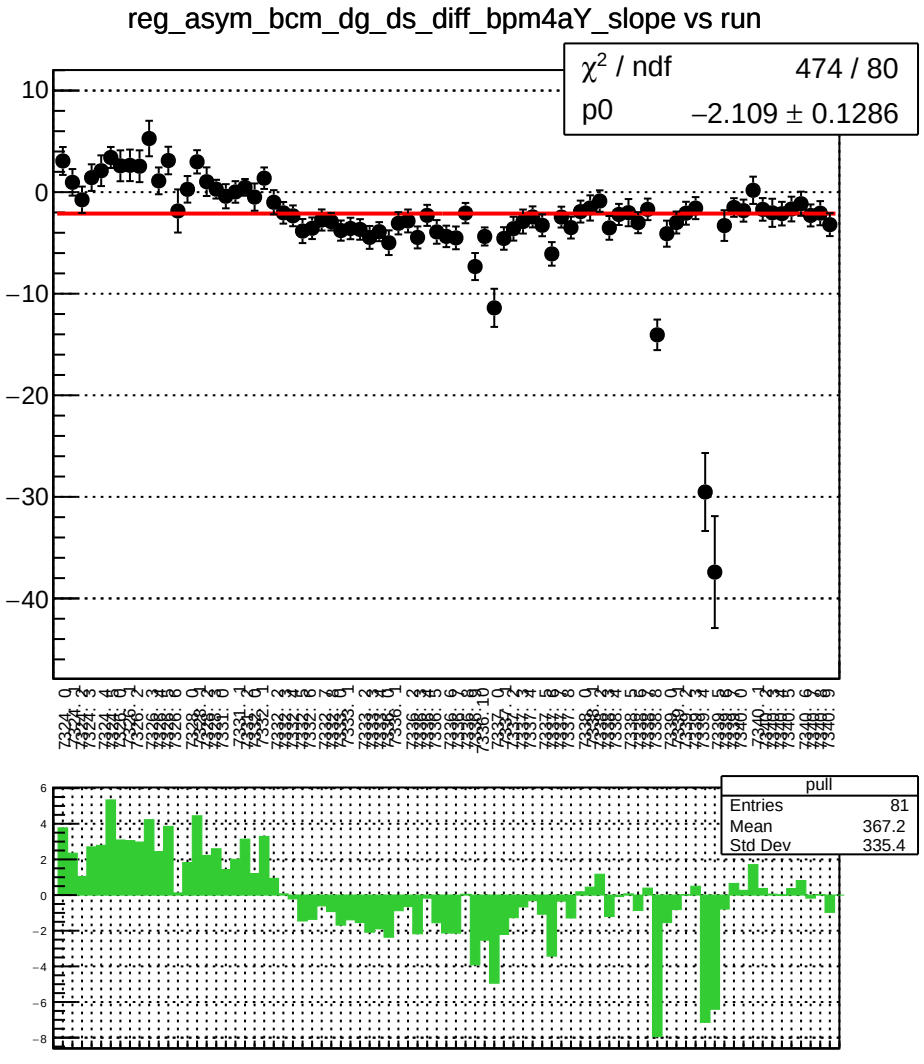

pull1D
Entries 81
Mean −0.1506
Std Dev 3.733
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

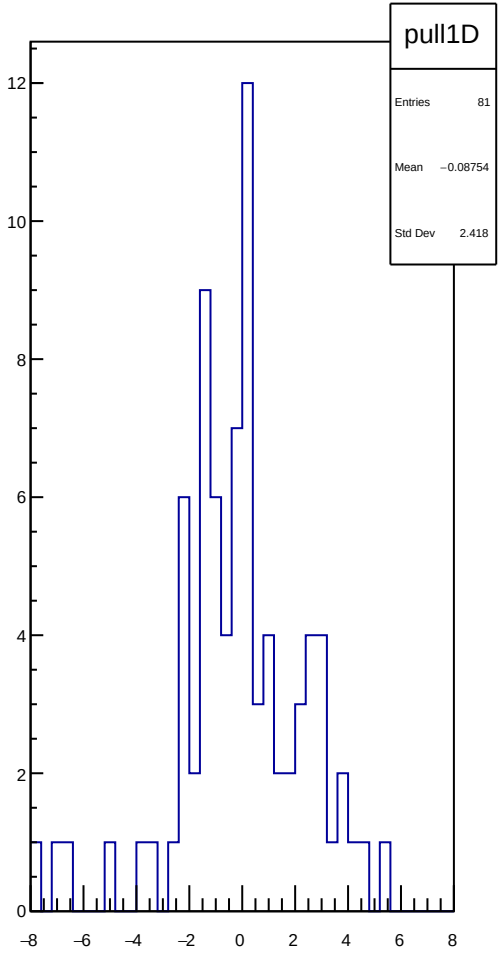

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 528.5 / 80
p0 1.281 ± 0.1339
pull
Entries 81
Mean 454
Std Dev 422.5
pull1D
Entries 81
Mean −0.02772
Std Dev 2.398

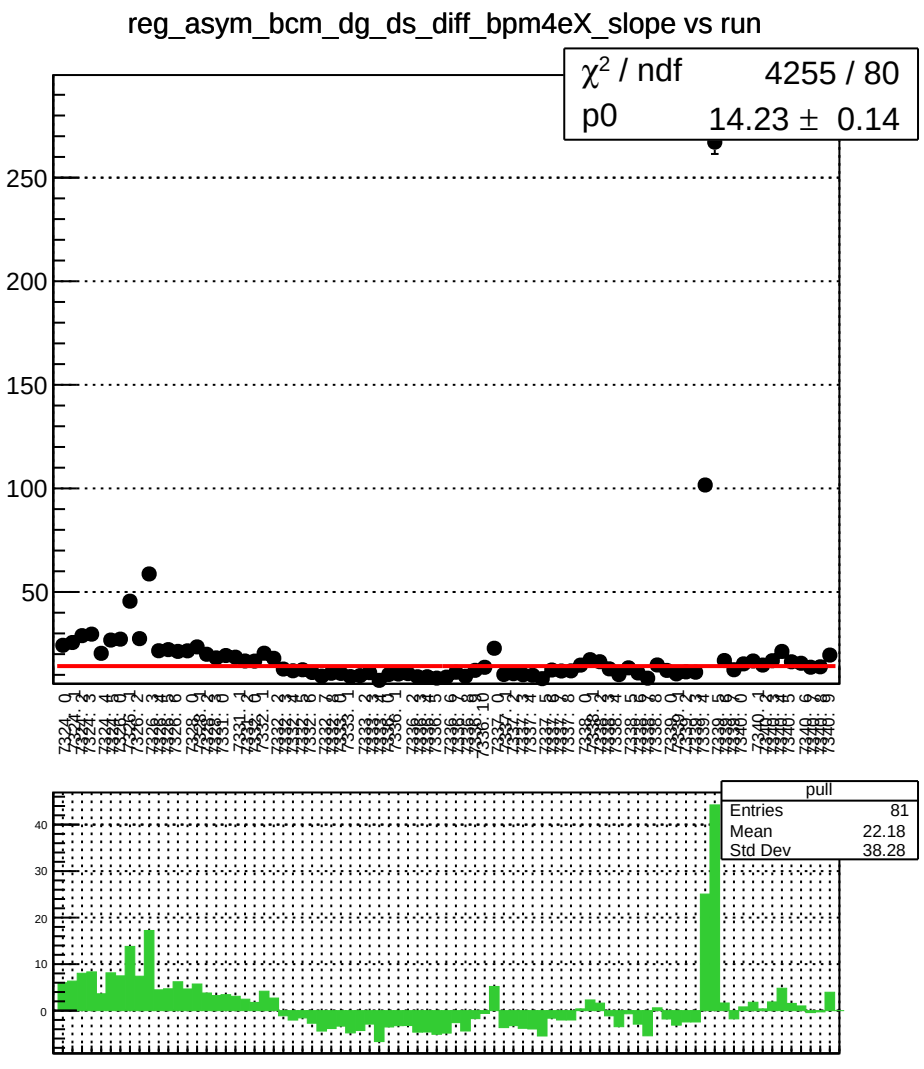

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 199.6 / 80
p0 0.1201± 0.006588
pull
Entries 81
Mean 68.81
Std Dev 17.43
pull1D
Entries 81
Mean 0.07262
Std Dev 1.253

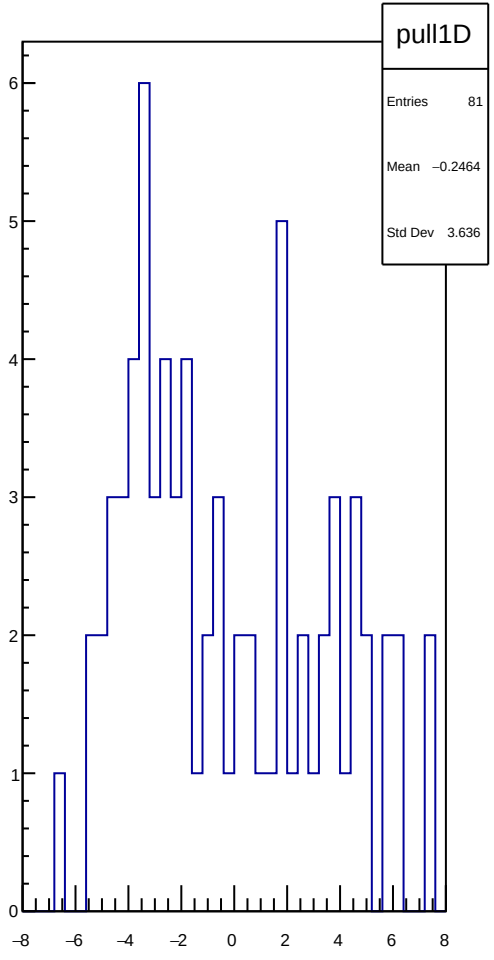

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4372 / 80
p0 −14.6 ± 0.1412
pull
Entries 81
Mean 23.35
Std Dev 38.76

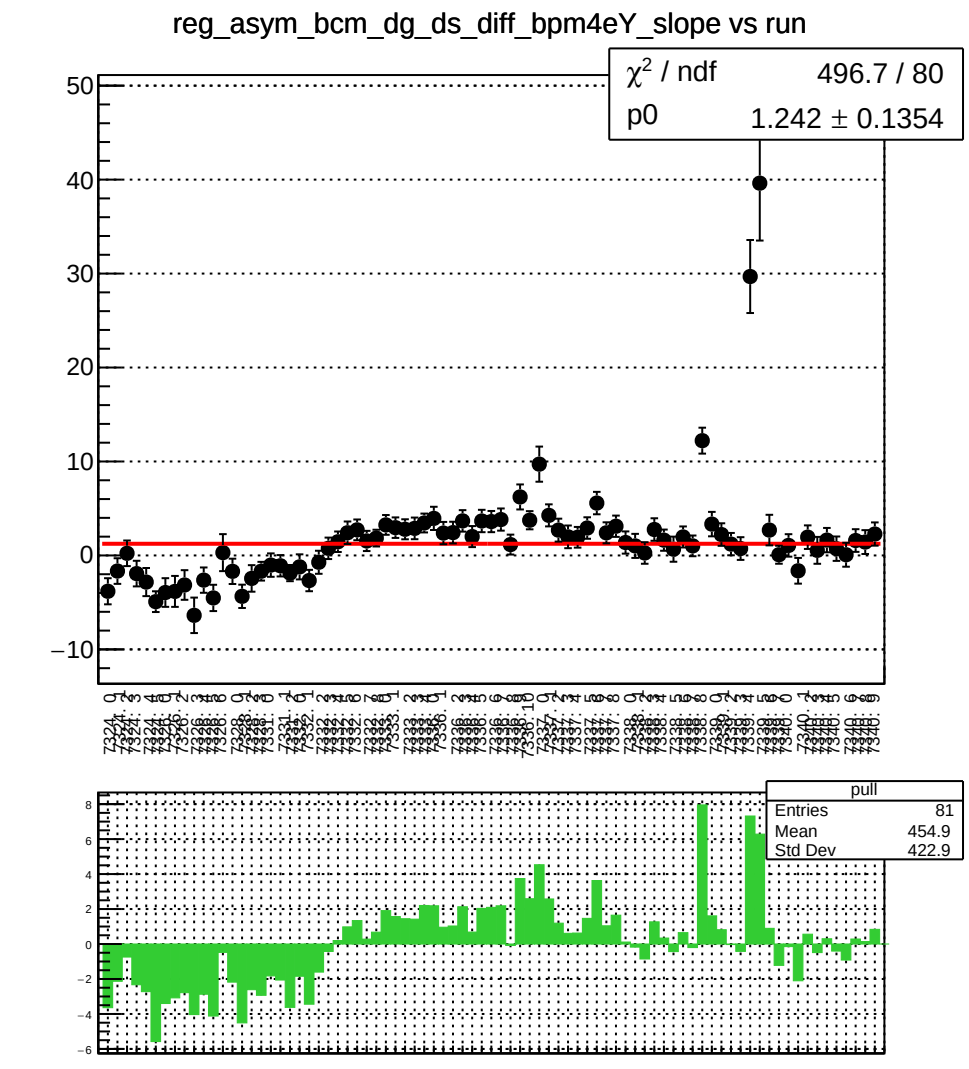

pull1D
Entries 81
Mean 0.2578
Std Dev 3.621

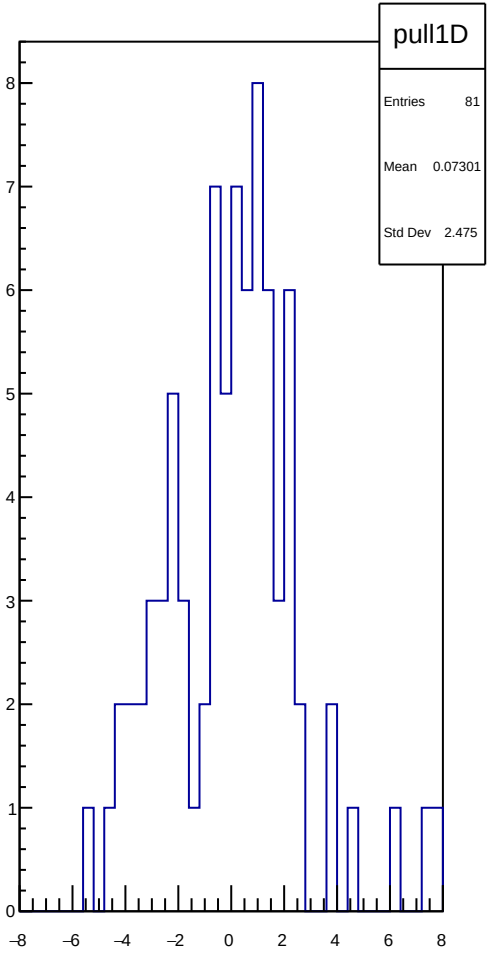

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 474 / 80
p0 −2.109 ± 0.1286
pull
Entries 81
Mean 367.2
Std Dev 335.4

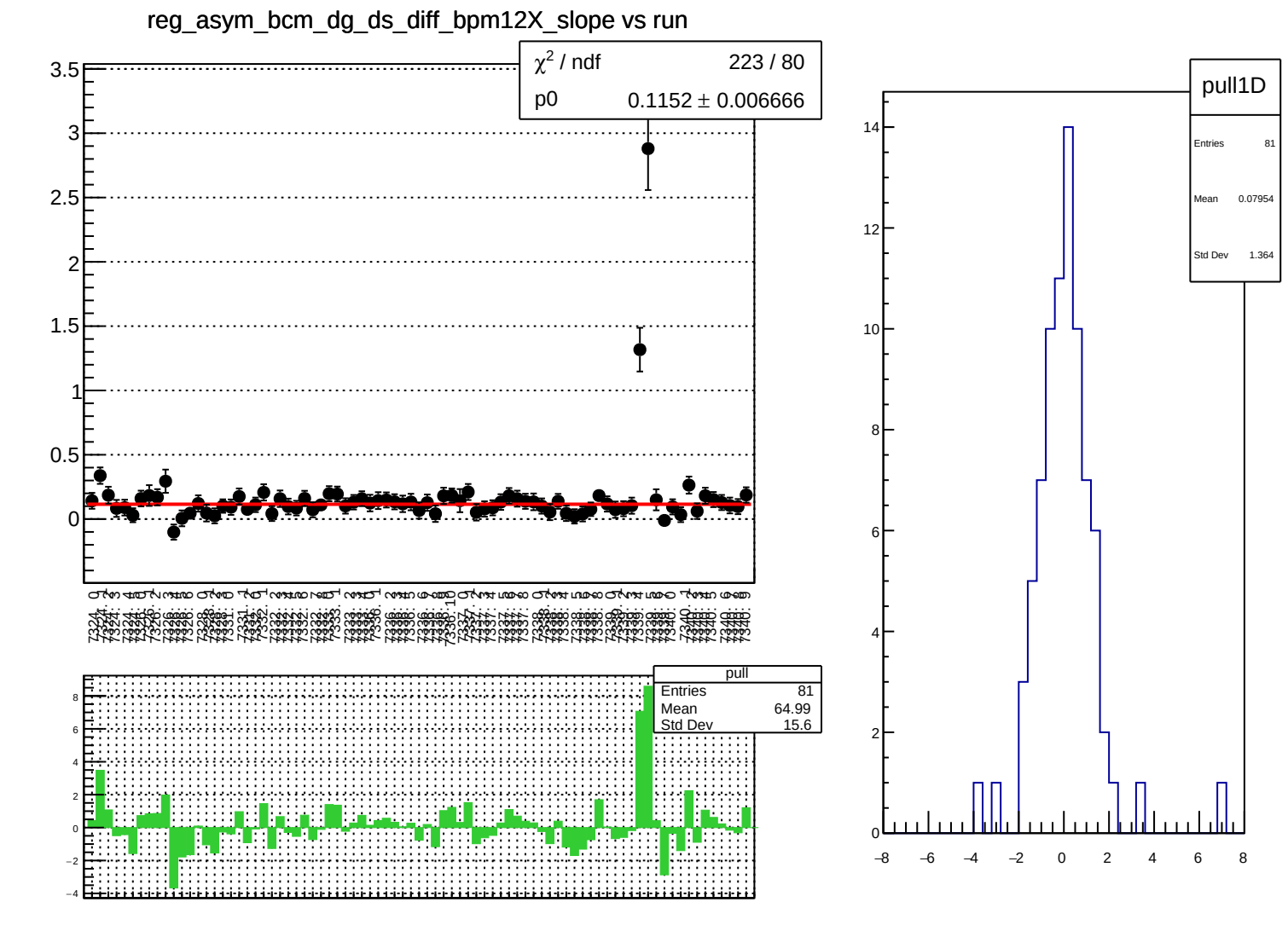

pull1D
Entries 81
Mean −0.08754
Std Dev 2.418

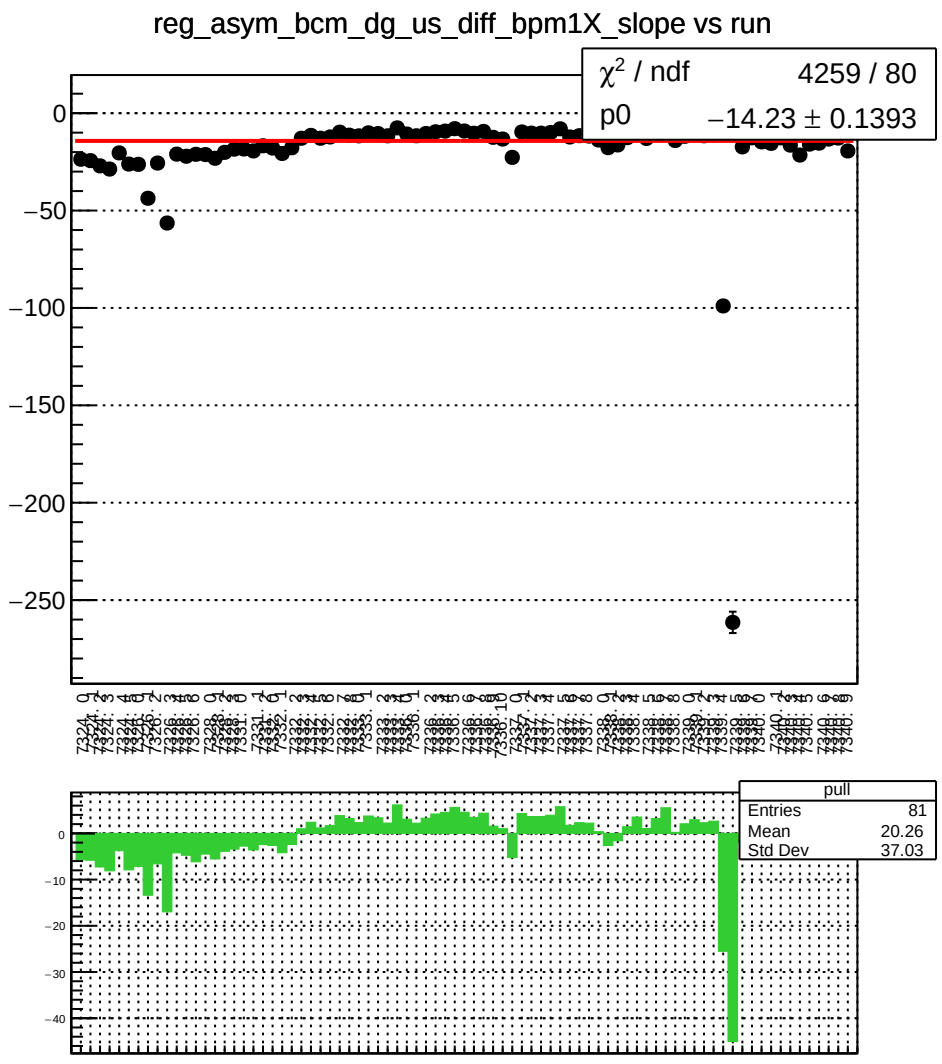

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4255 / 80
p0 14.23 ± 0.14
250
200
150
100
50
pull
Entries 81
Mean 22.18
Std Dev 38.28
40
30
20
10
0

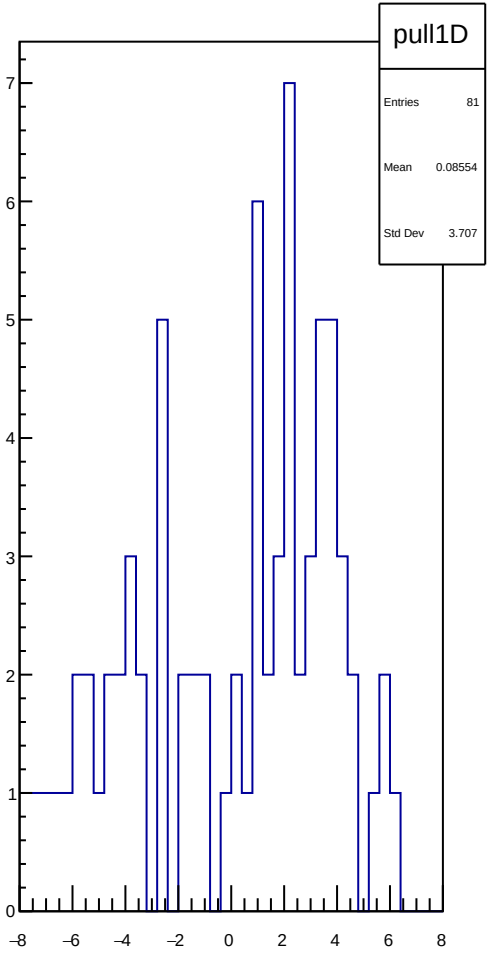

pull1D
Entries 81
Mean −0.2464
Std Dev 3.636
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

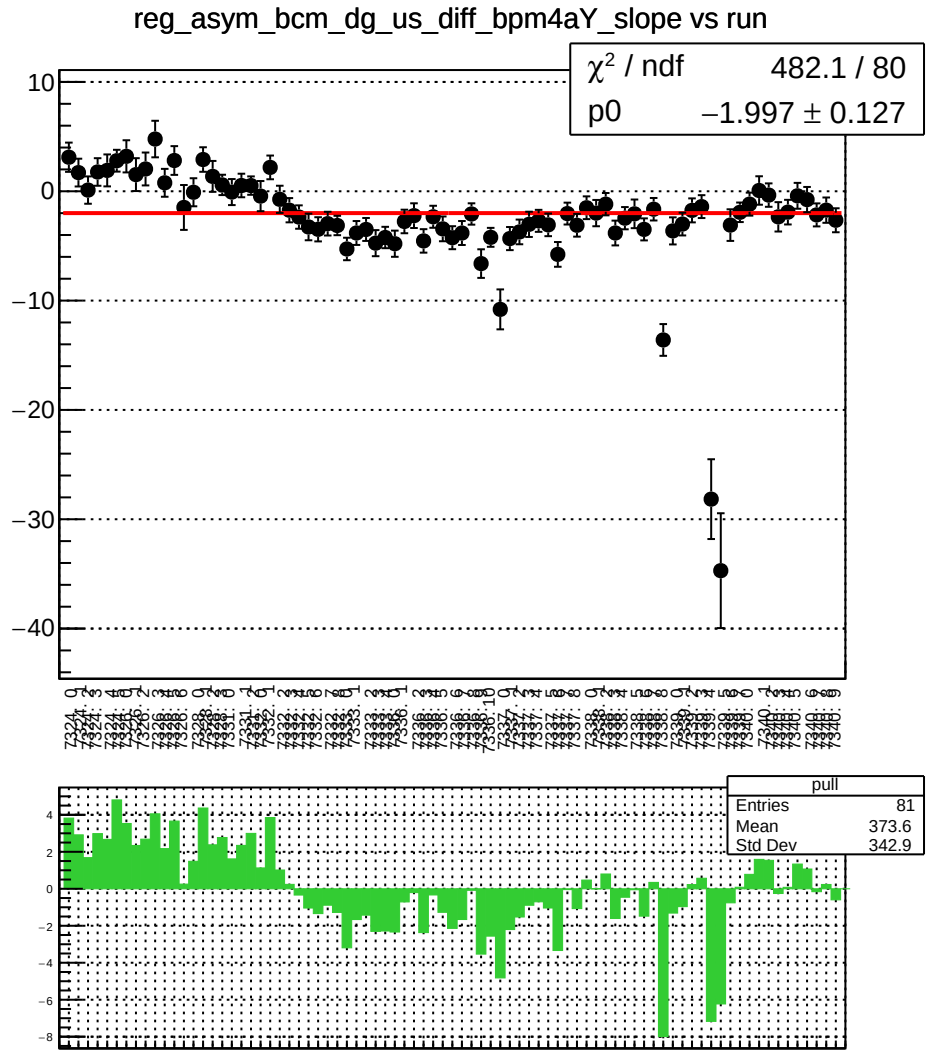

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 496.7 / 80
p0 1.242 ± 0.1354
pull
Entries 81
Mean 454.9
Std Dev 422.9

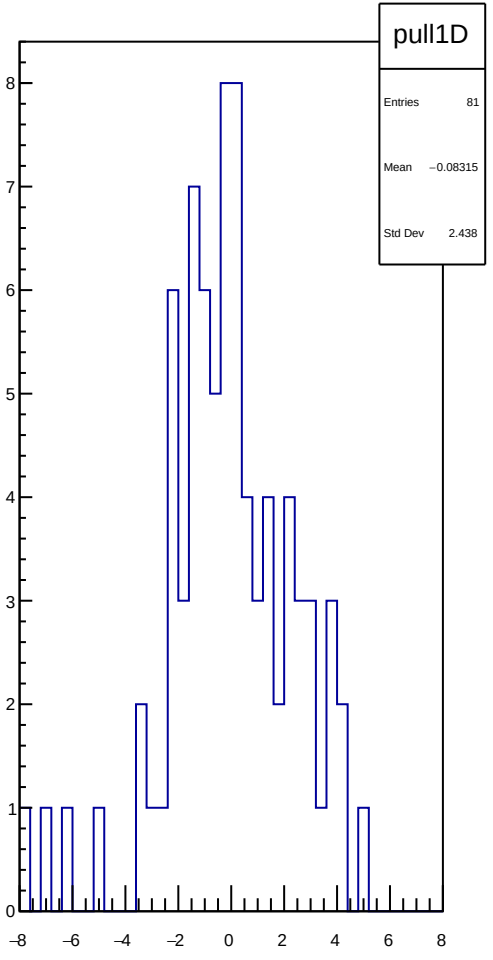

pull1D
Entries 81
Mean 0.07301
Std Dev 2.475

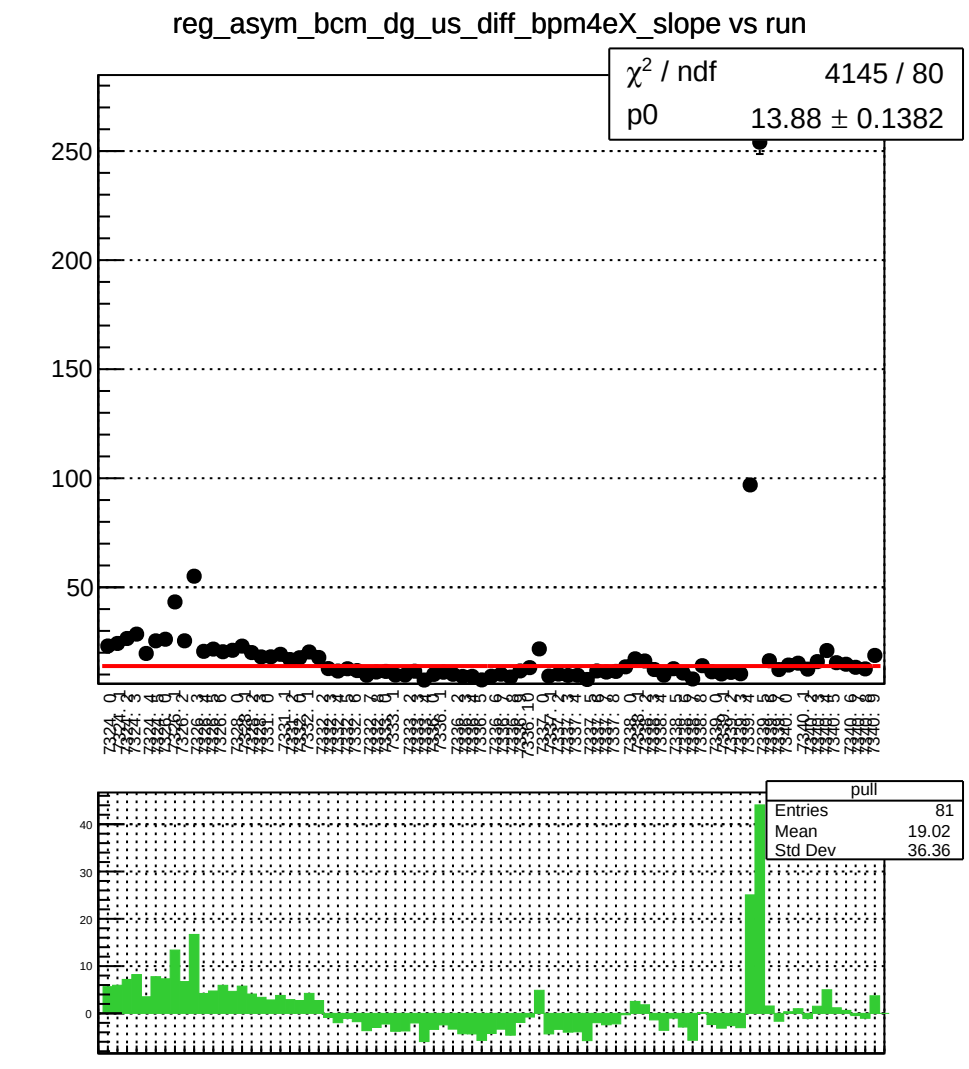

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 223 / 80
p0 0.1152 ± 0.006666
pull
Entries 81
Mean 64.99
Std Dev 15.6
pull1D
Entries 81
Mean 0.07954
Std Dev 1.364

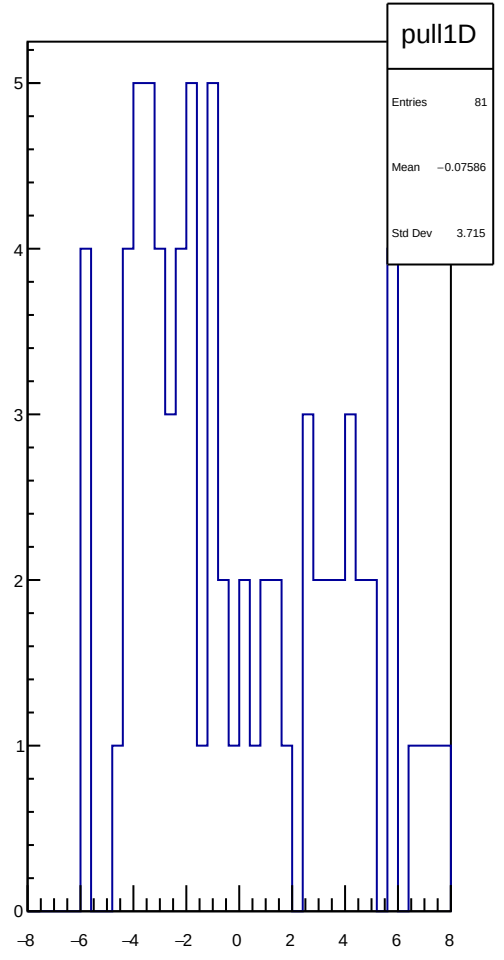

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4259 / 80
p0 −14.23 ± 0.1393
pull
Entries 81
Mean 20.26
Std Dev 37.03

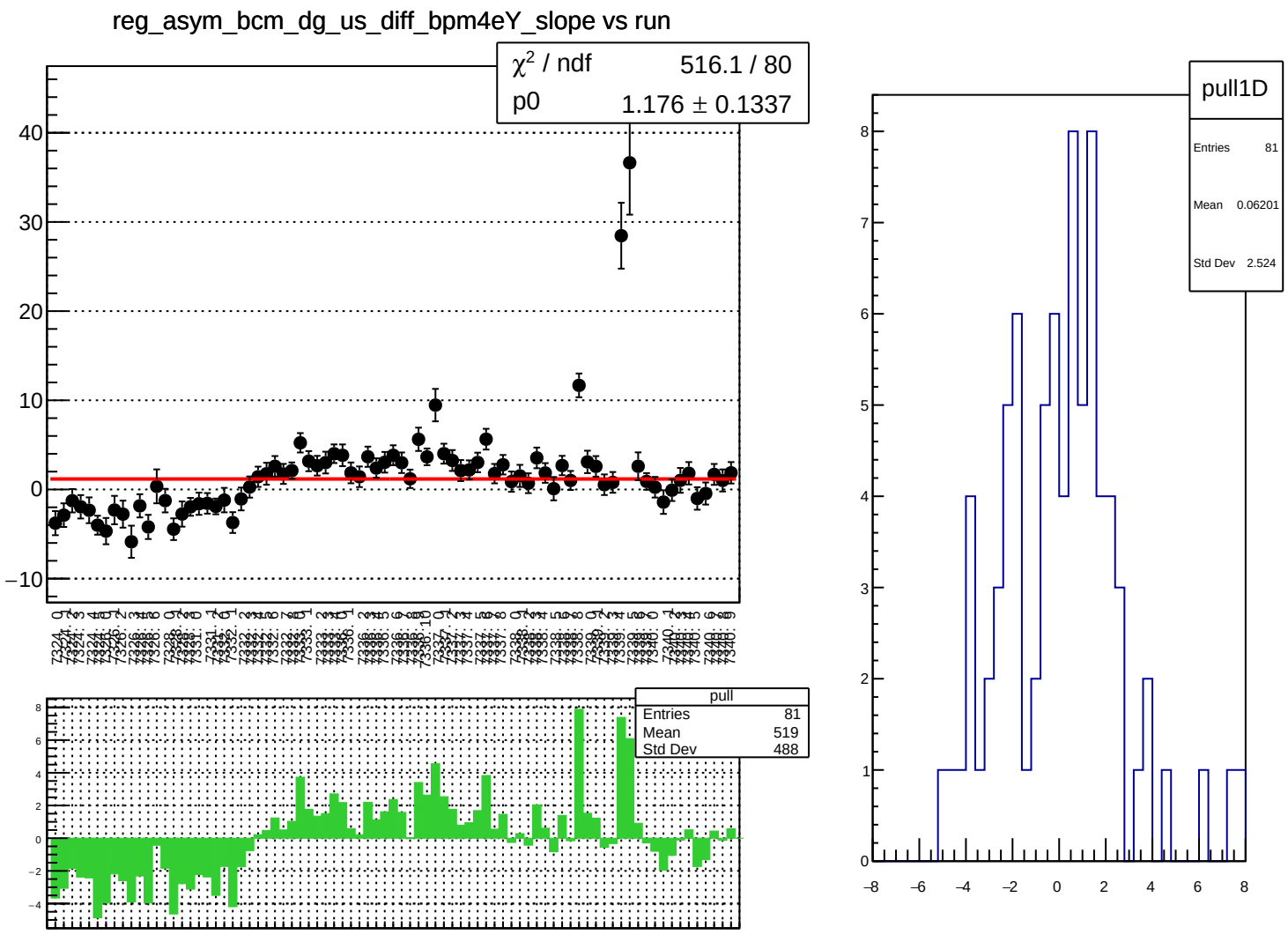

pull1D
Entries 81
Mean 0.08554
Std Dev 3.707

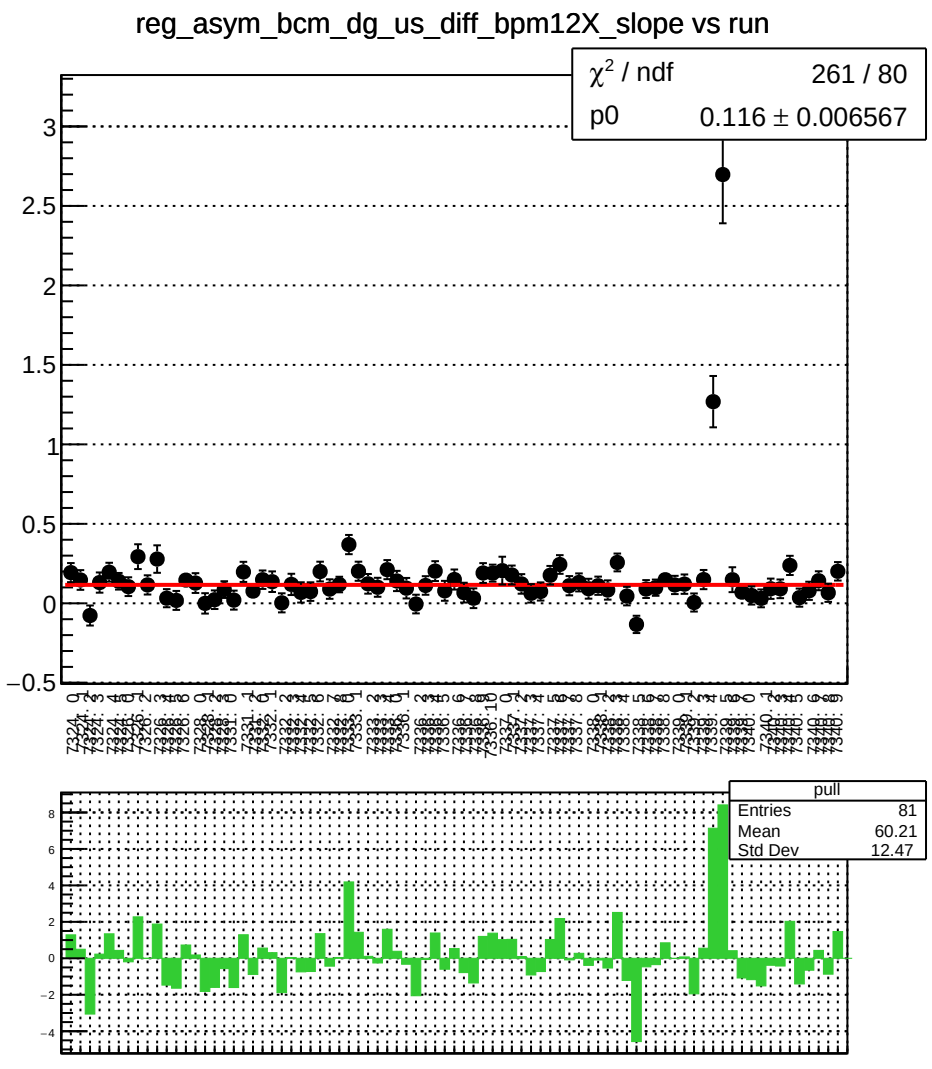

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 482.1 / 80
p0 −1.997 ± 0.127
pull
Entries 81
Mean 373.6
Std Dev 342.9

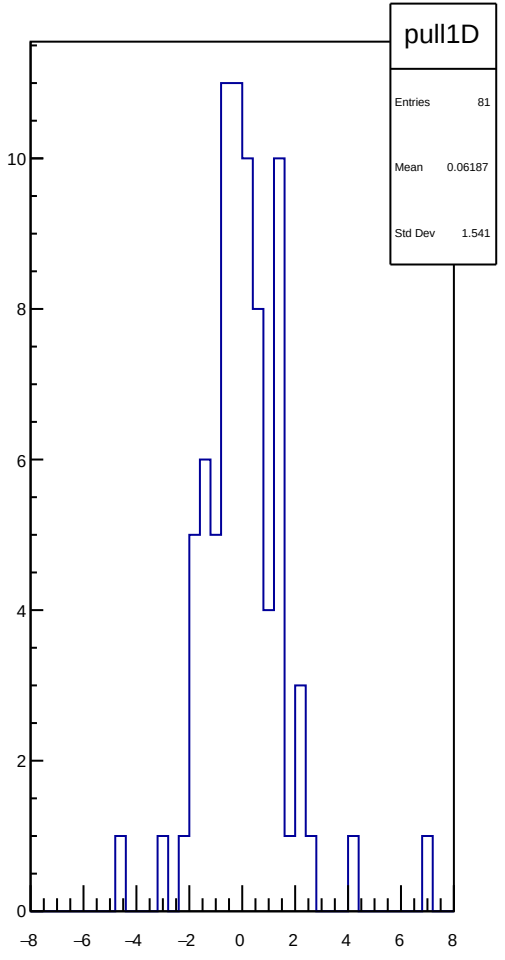

pull1D
Entries 81
Mean −0.08315
Std Dev 2.438


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4145 / 80
p0 13.88 ± 0.1382
250
200
150
100
50
pull
Entries 81
Mean 19.02
Std Dev 36.36
40
30
20
10
0


pull1D
Entries 81
Mean −0.07586
Std Dev 3.715
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 516.1 / 80
p0 1.176 ± 0.1337
pull
Entries 81
Mean 519
Std Dev 488
pull1D
Entries 81
Mean 0.06201
Std Dev 2.524


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 261 / 80
p0 0.116 ± 0.006567
pull
Entries 81
Mean 60.21
Std Dev 12.47


pull1D
Entries 81
Mean 0.06187
Std Dev 1.541