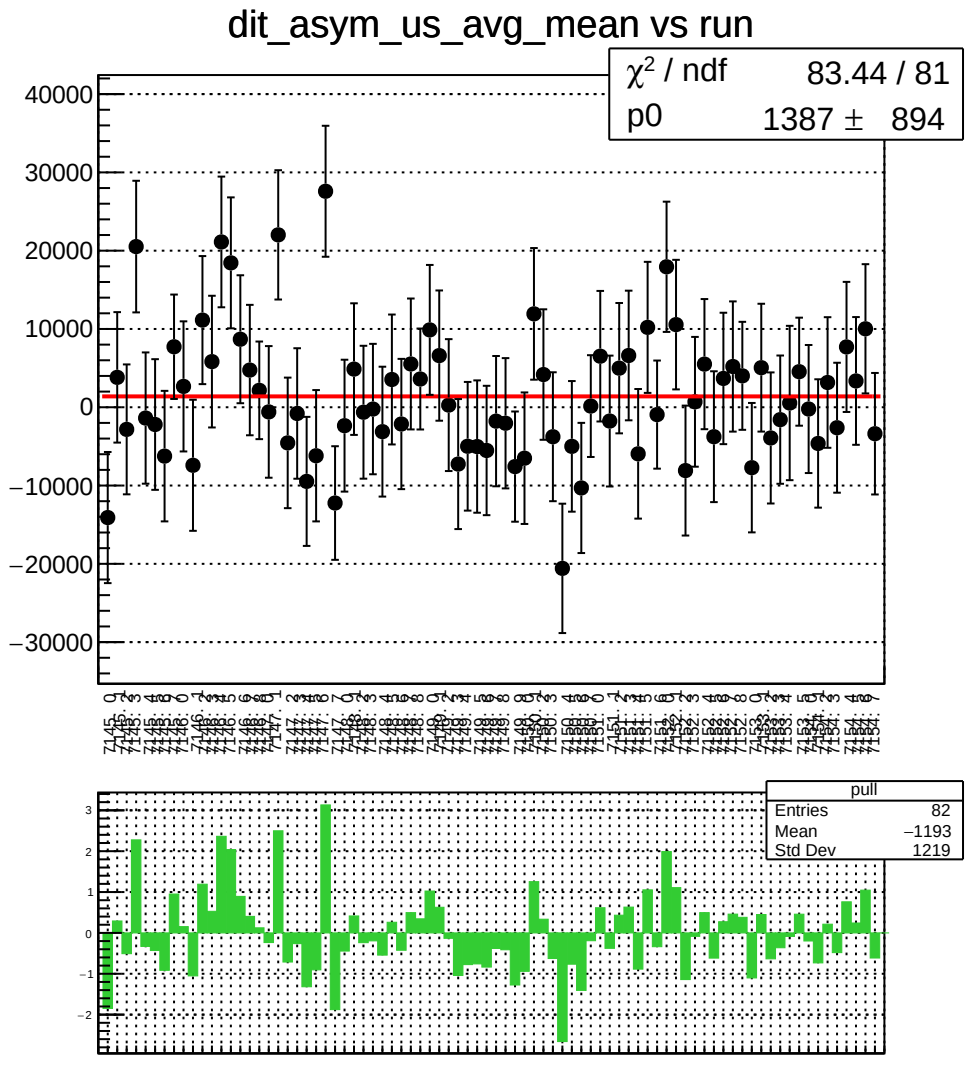
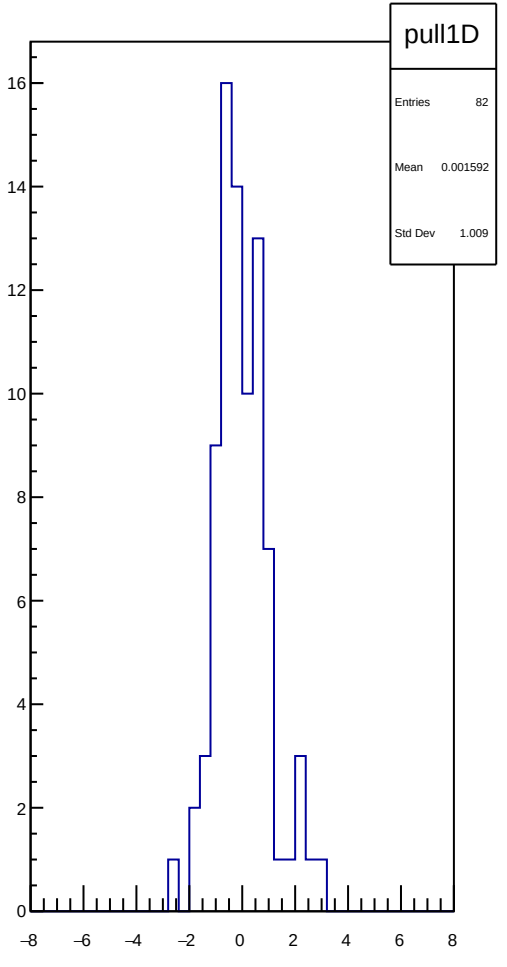
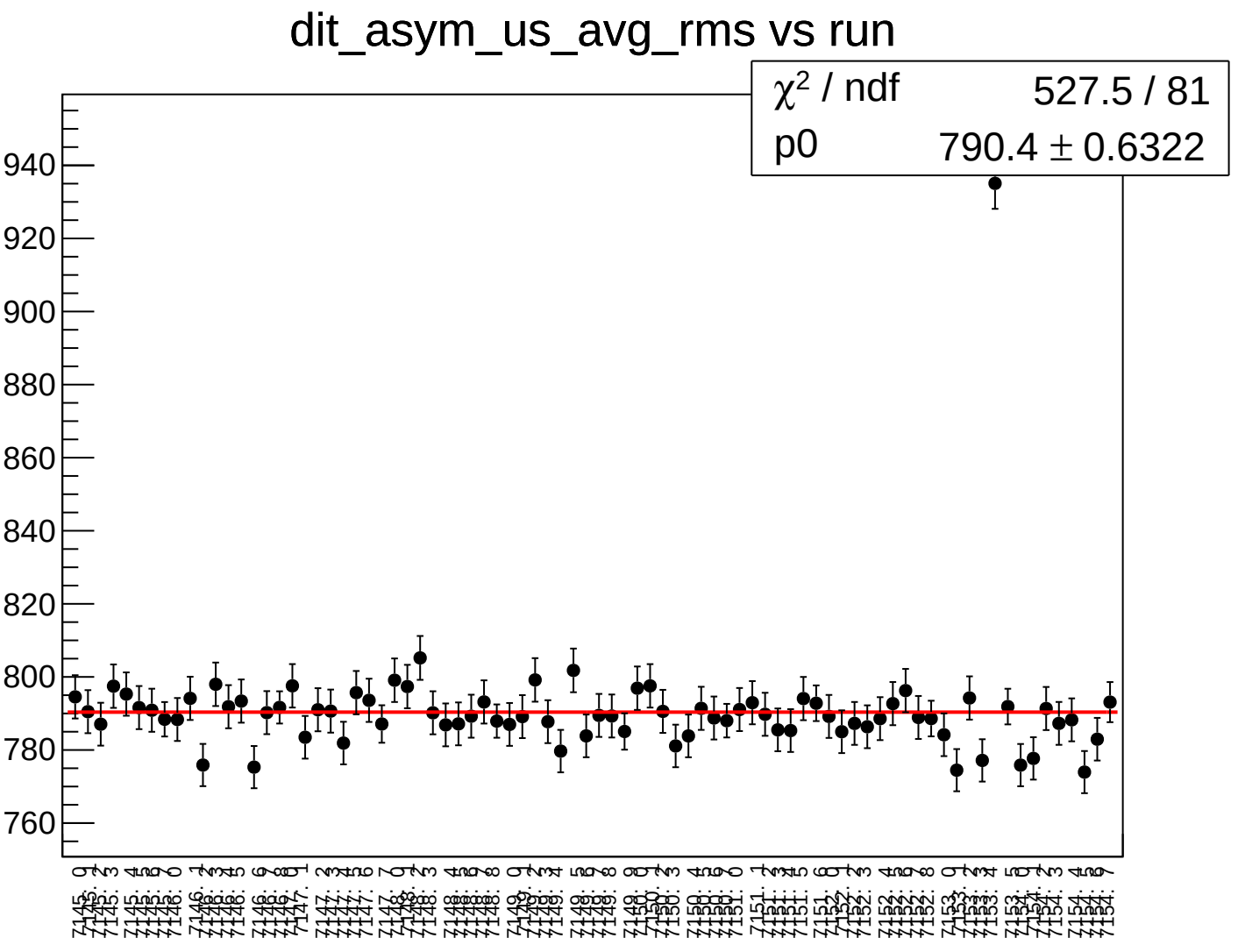
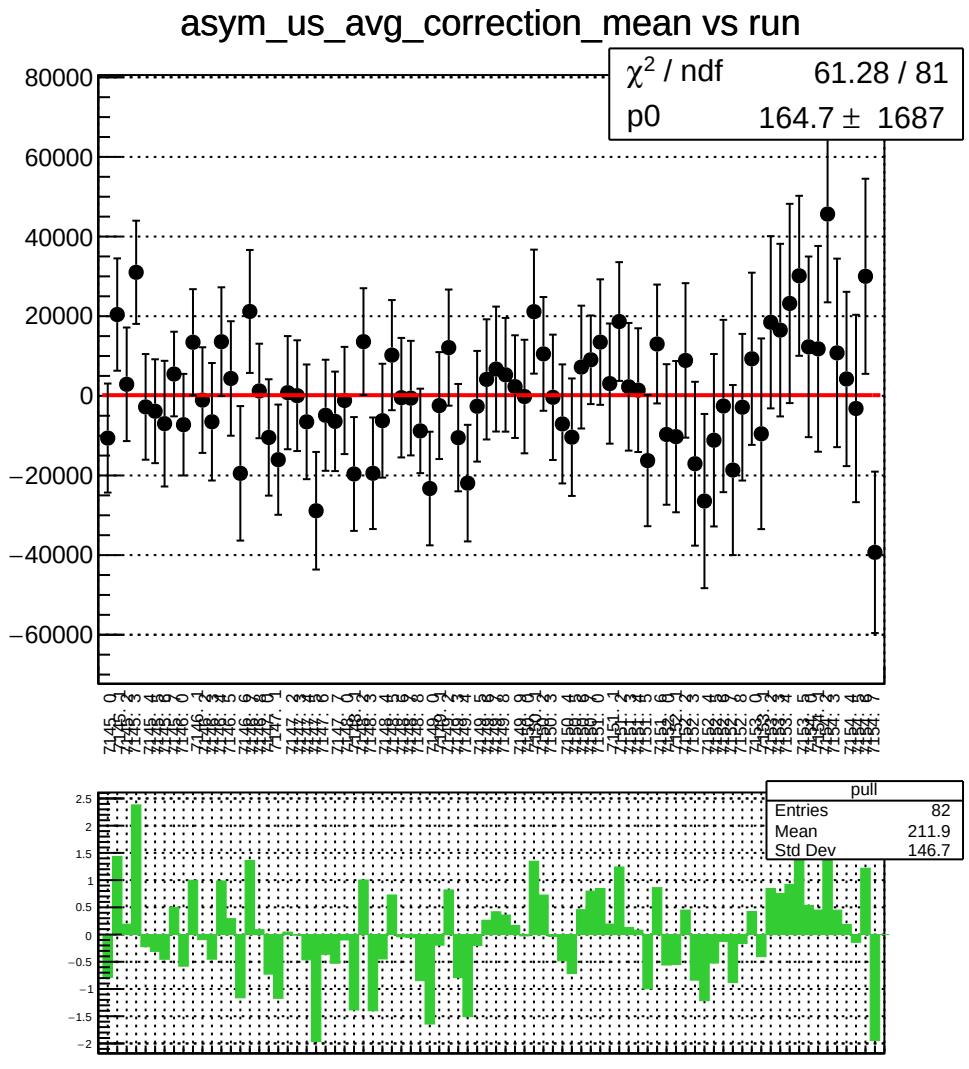
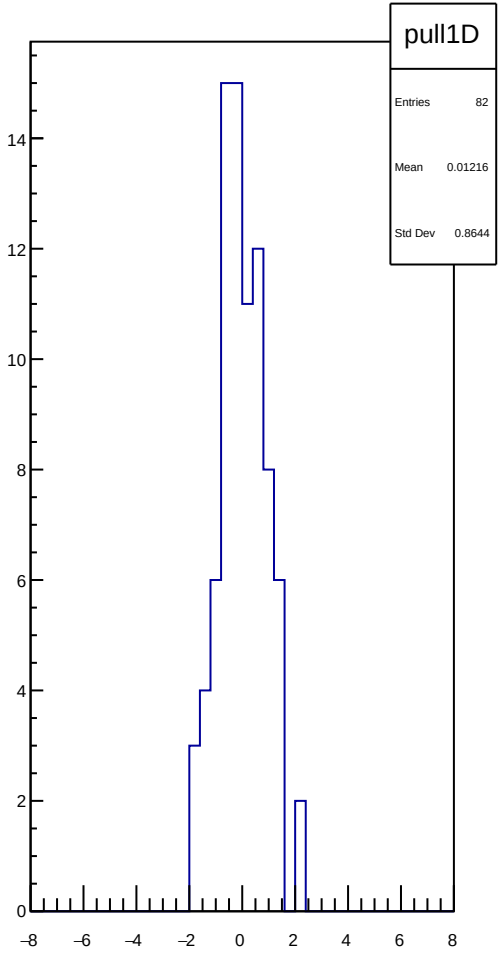
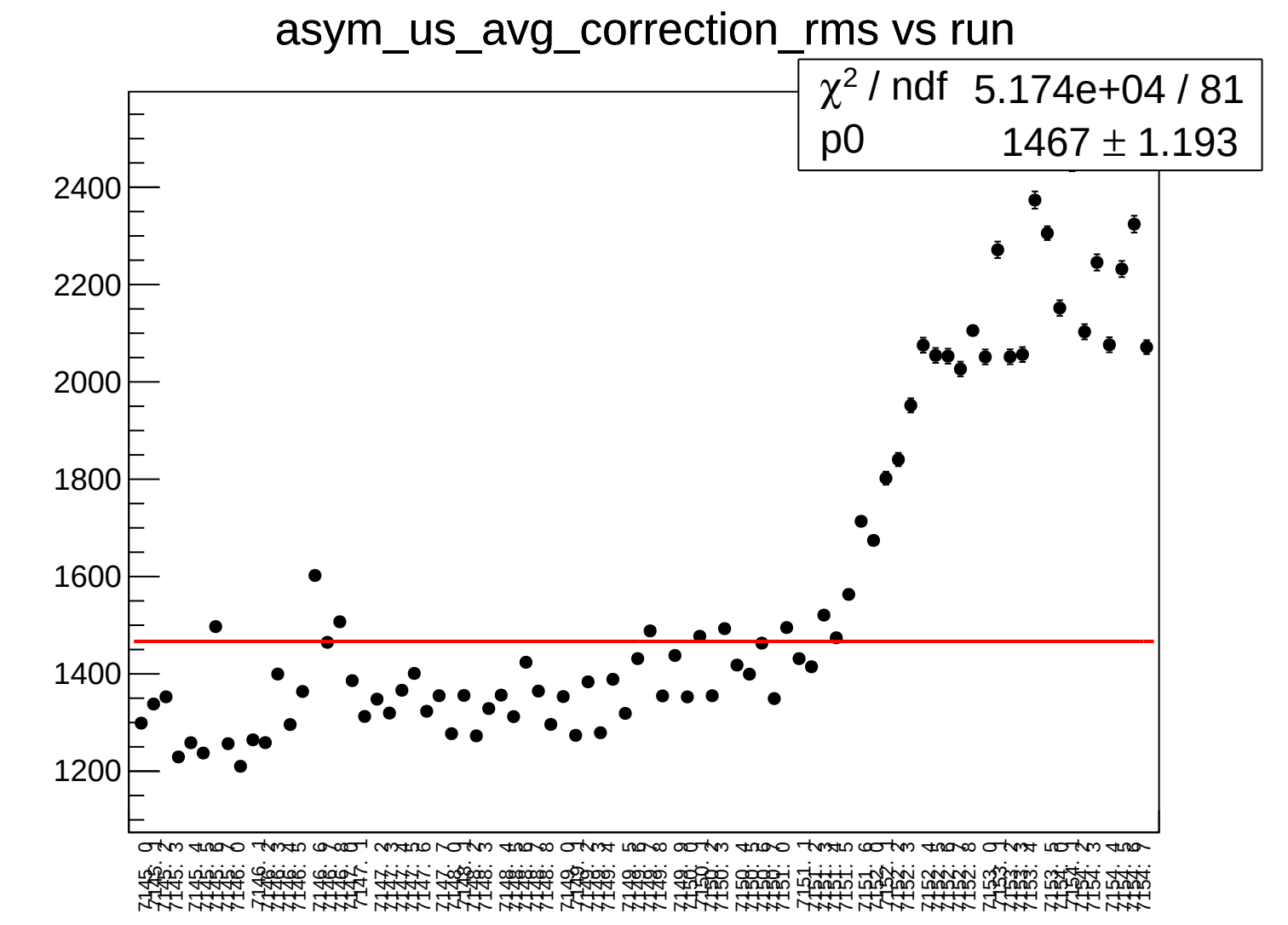

dit_asym_us_avg_mean vs run
χ² / ndf 83.44 / 81
p0 1387 ± 894
pull
Entries 82
Mean −1193
Std Dev 1219

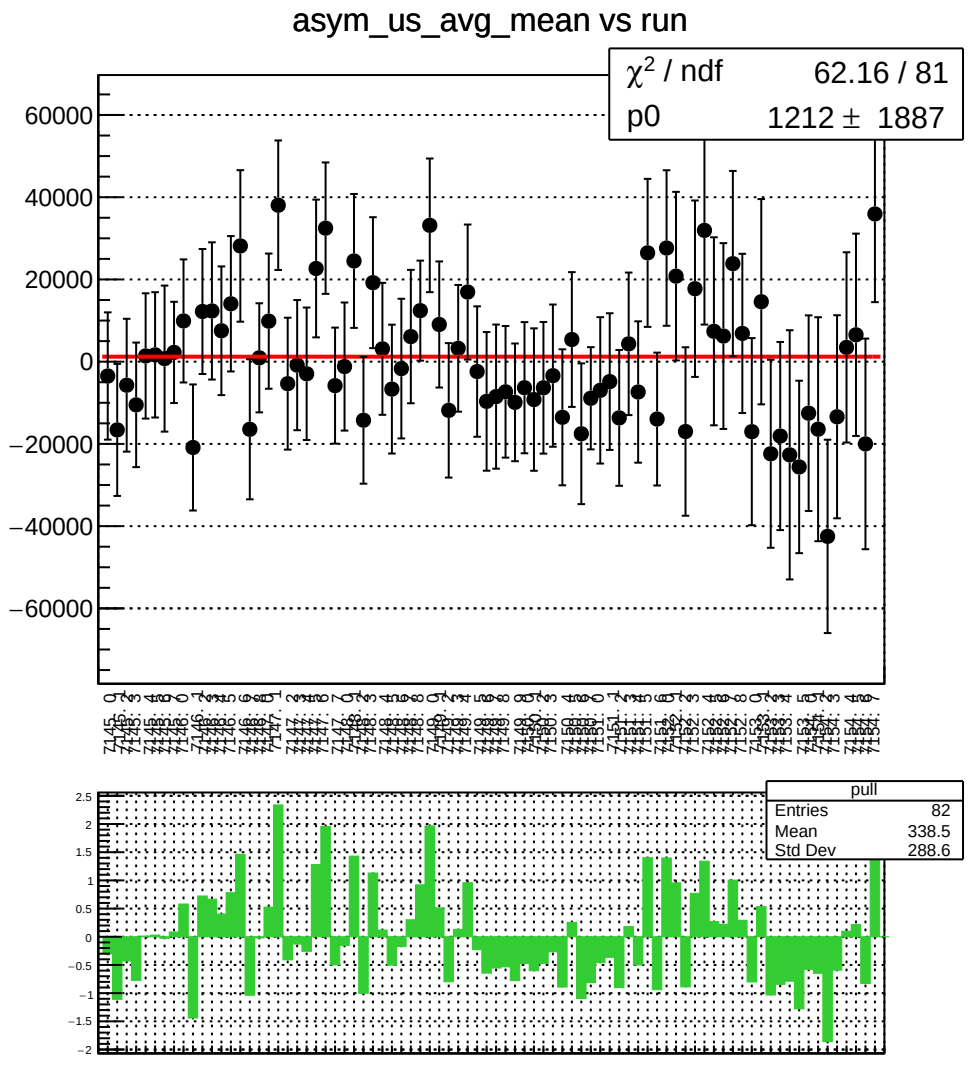

pull1D
Entries 82
Mean 0.001592
Std Dev 1.009

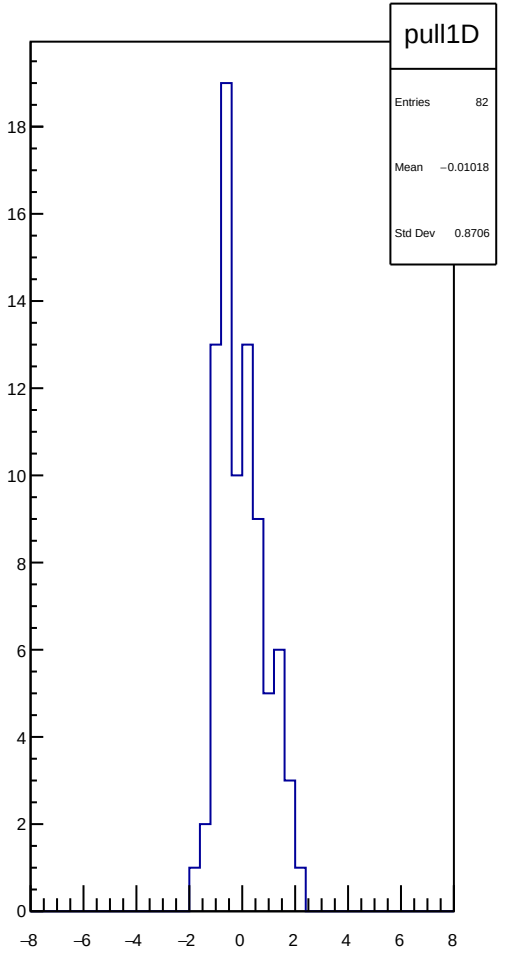

dit_asym_us_avg_rms vs run
χ^2 / ndf 527.5 / 81
p0 790.4 ± 0.6322
940
920
900
880
860
840
820
800
780
760

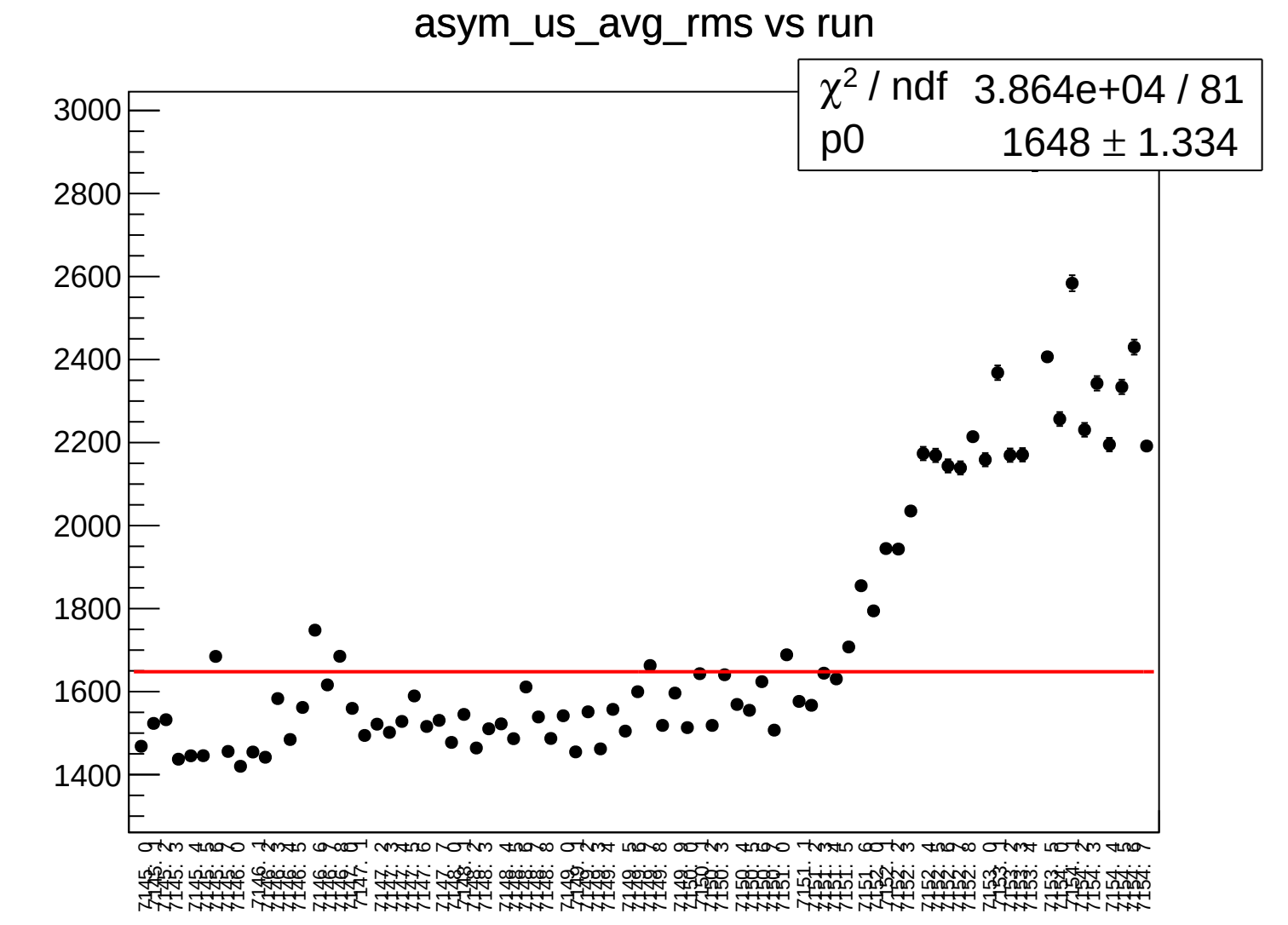

asym_us_avg_correction_mean vs run
χ² / ndf 61.28 / 81
p0 164.7 ± 1687
pull
Entries 82
Mean 211.9
Std Dev 146.7

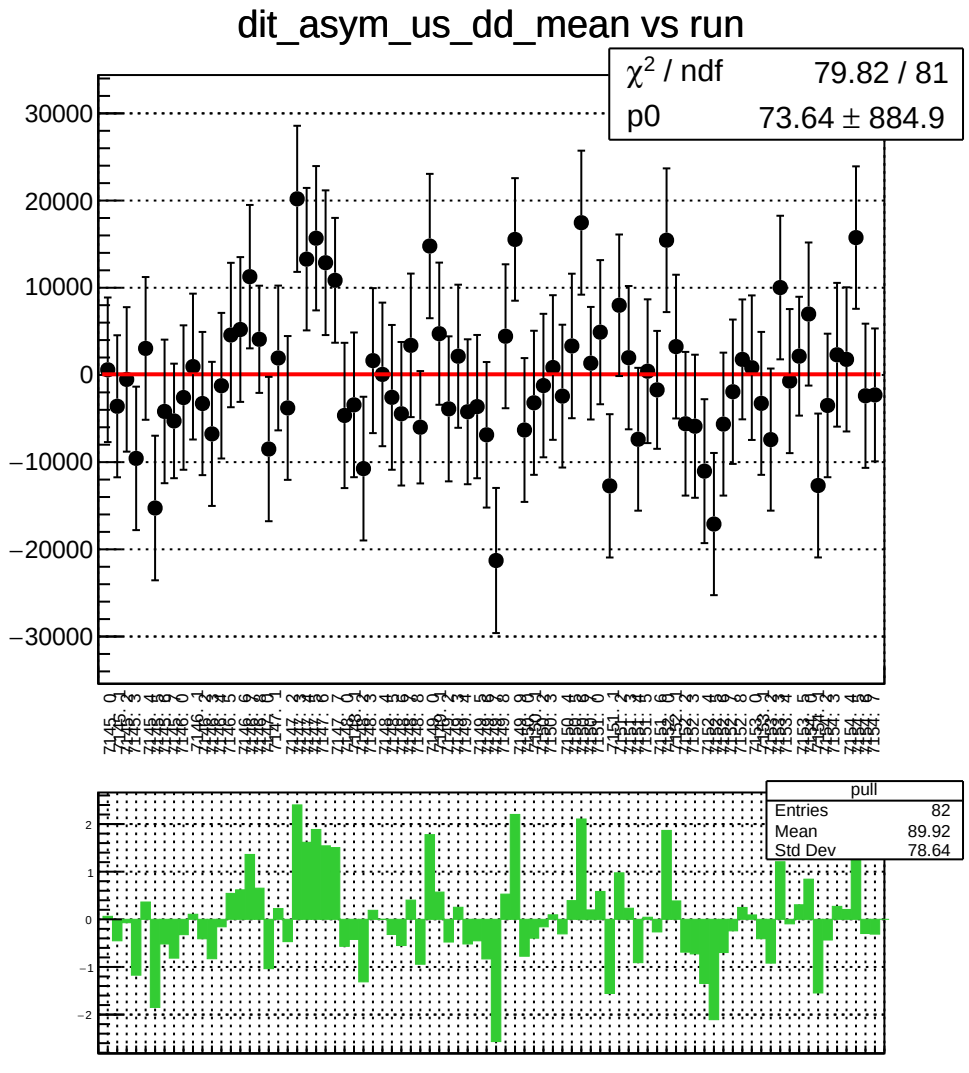

pull1D
Entries 82
Mean 0.01216
Std Dev 0.8644

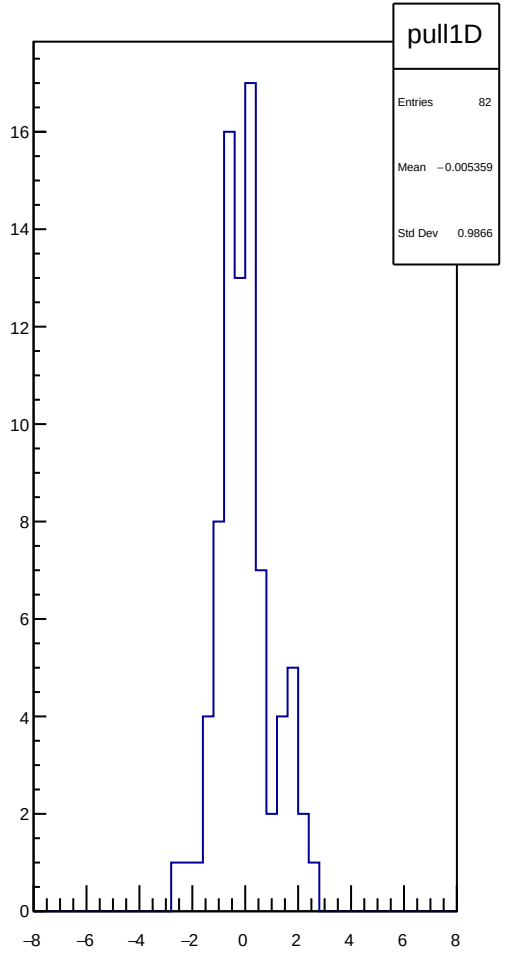

asym_us_avg_correction_rms vs run
χ² / ndf 5.174e+04 / 81
p0 1467 ± 1.193
2400
2200
2000
1800
1600
1400
1200

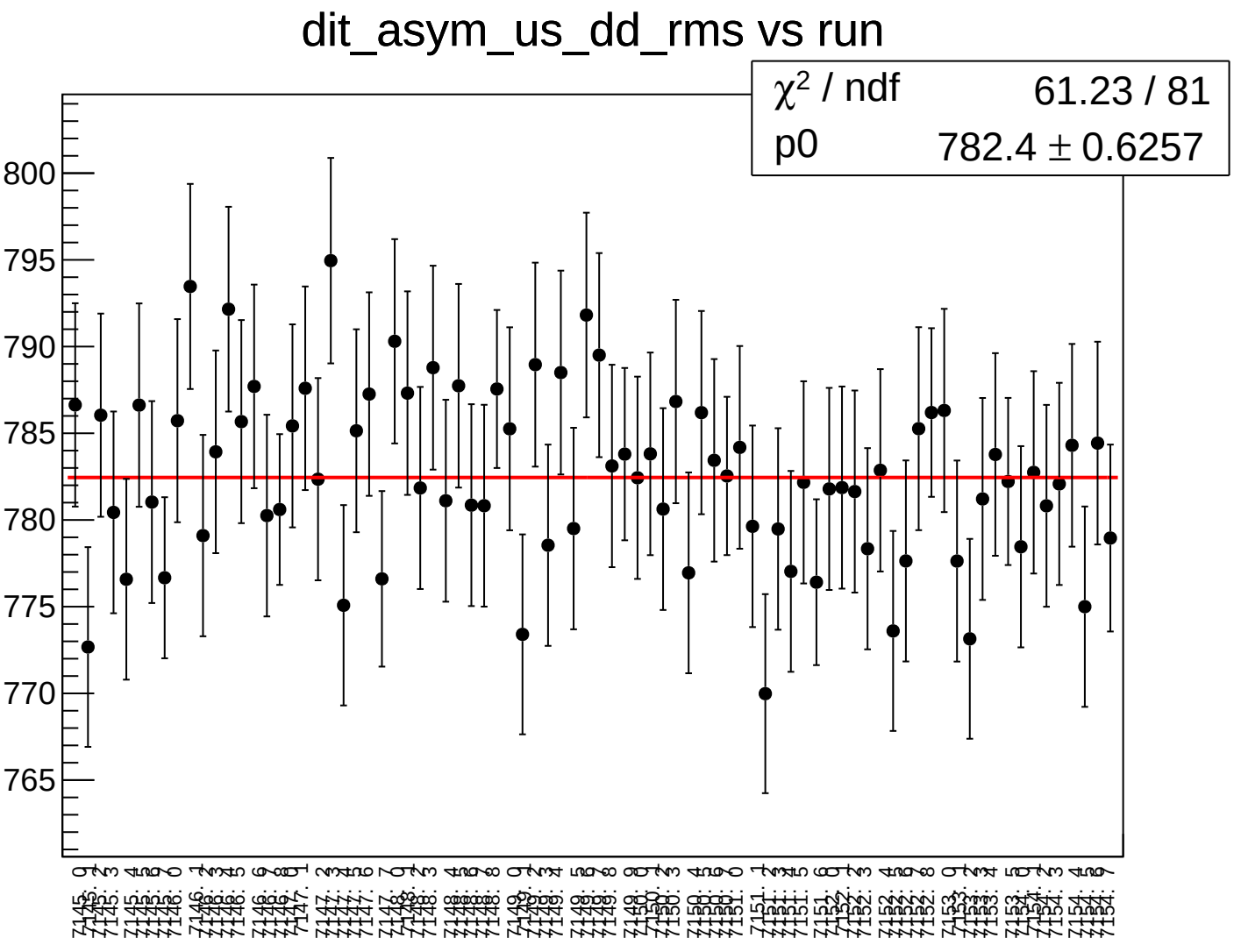

asym_us_avg_mean vs run
χ² / ndf 62.16 / 81
p0 1212 ± 1887
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 338.5
Std Dev 288.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

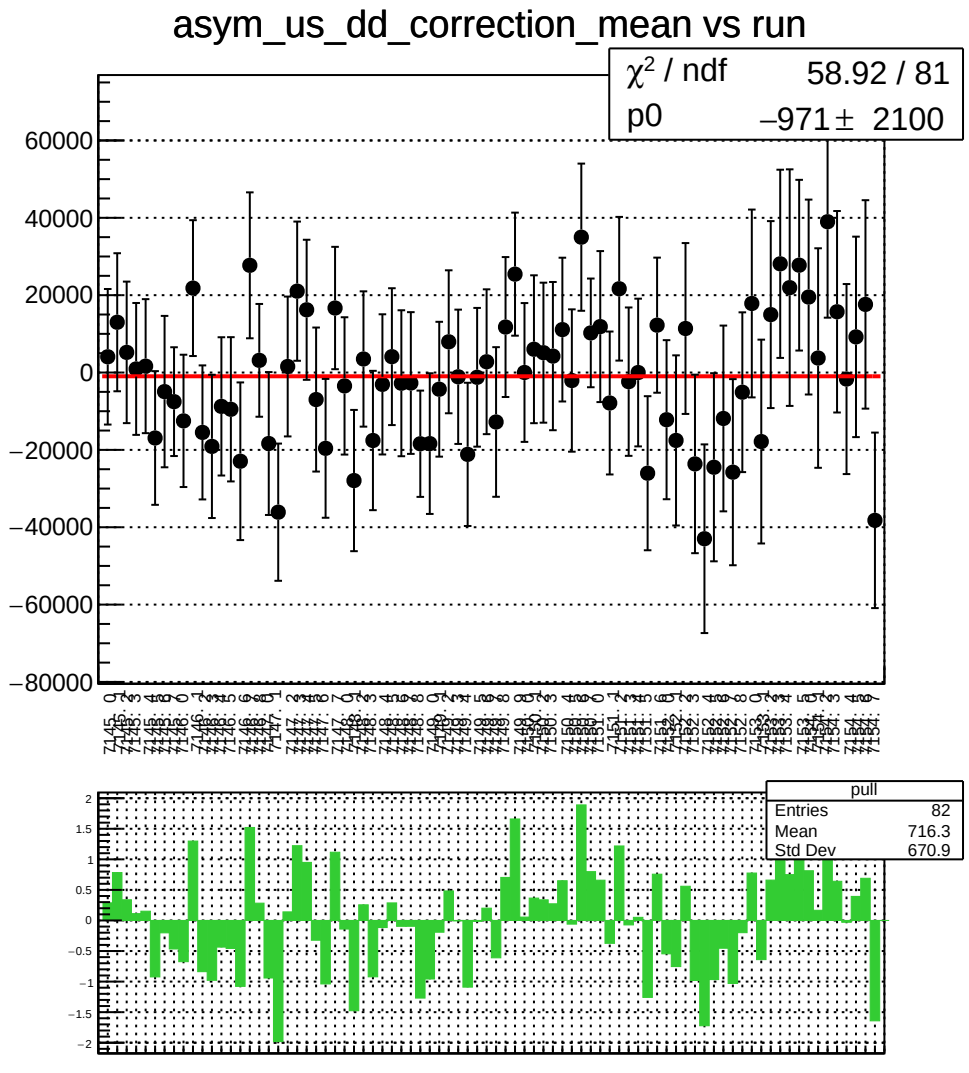

pull1D
Entries 82
Mean −0.01018
Std Dev 0.8706
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

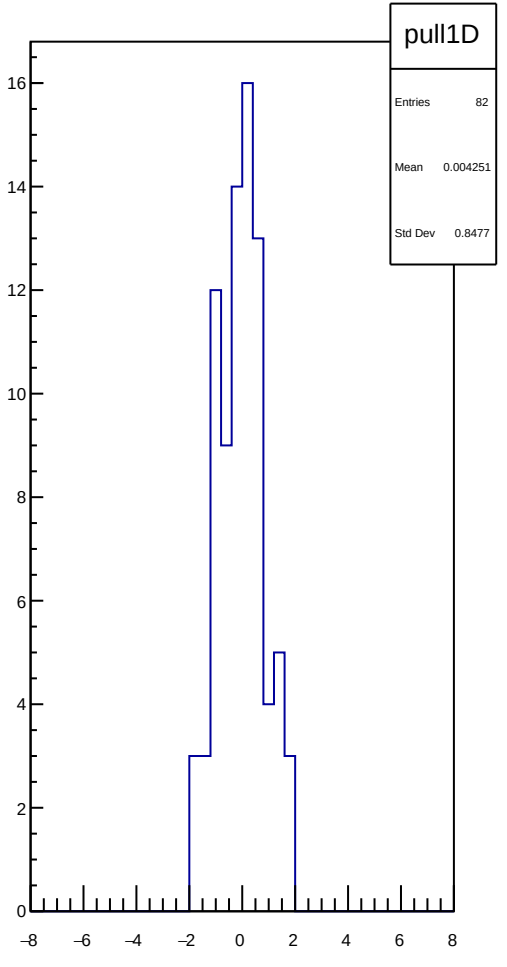

asym_us_avg_rms vs run
χ^2 / ndf 3.864e+04 / 81
p0 1648 ± 1.334
3000
2800
2600
2400
2200
2000
1800
1600
1400

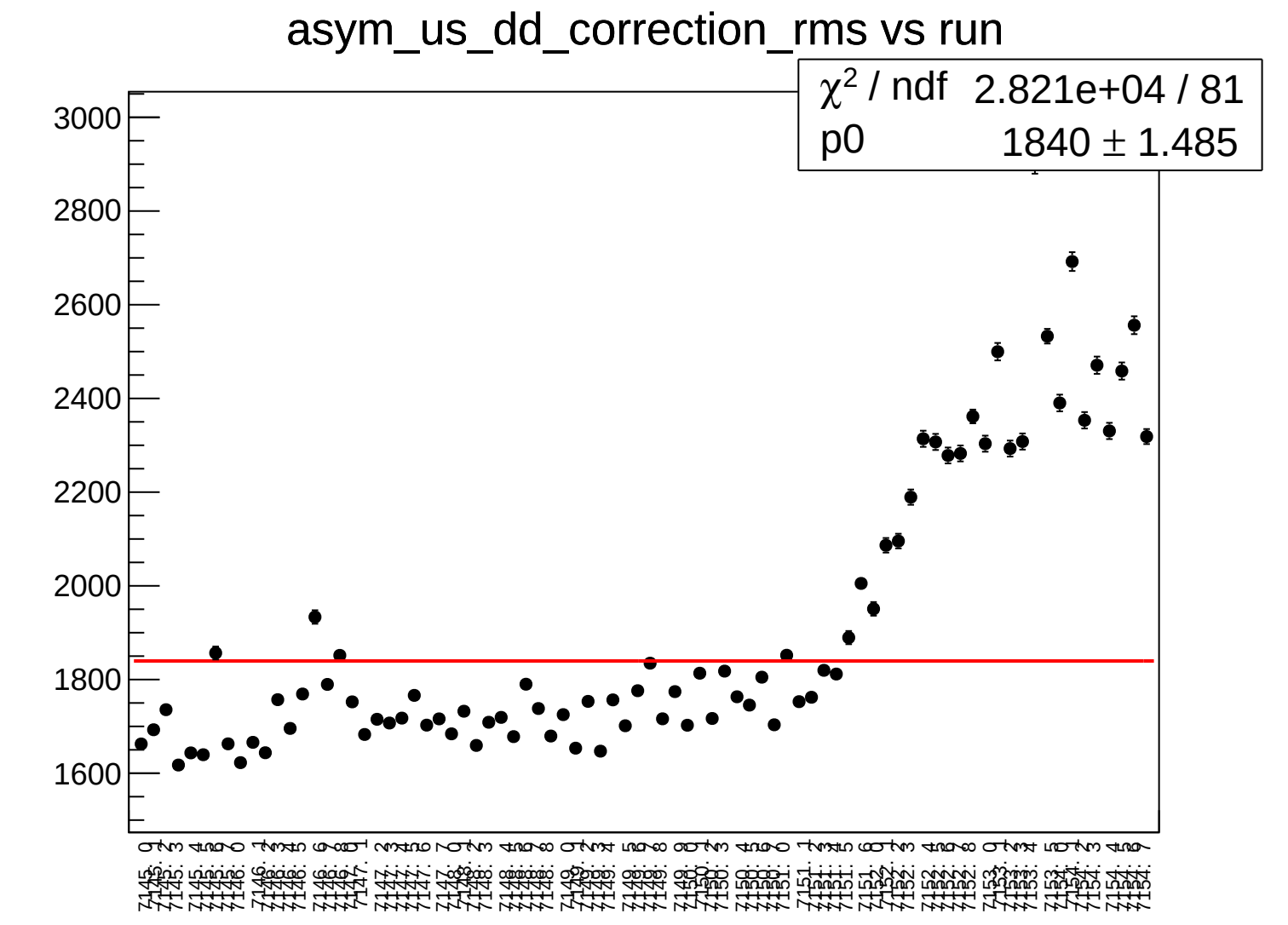

dit_asym_us_dd_mean vs run
χ² / ndf 79.82 / 81
p0 73.64 ± 884.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 89.92
Std Dev 78.64
2
1
0
−1
−2

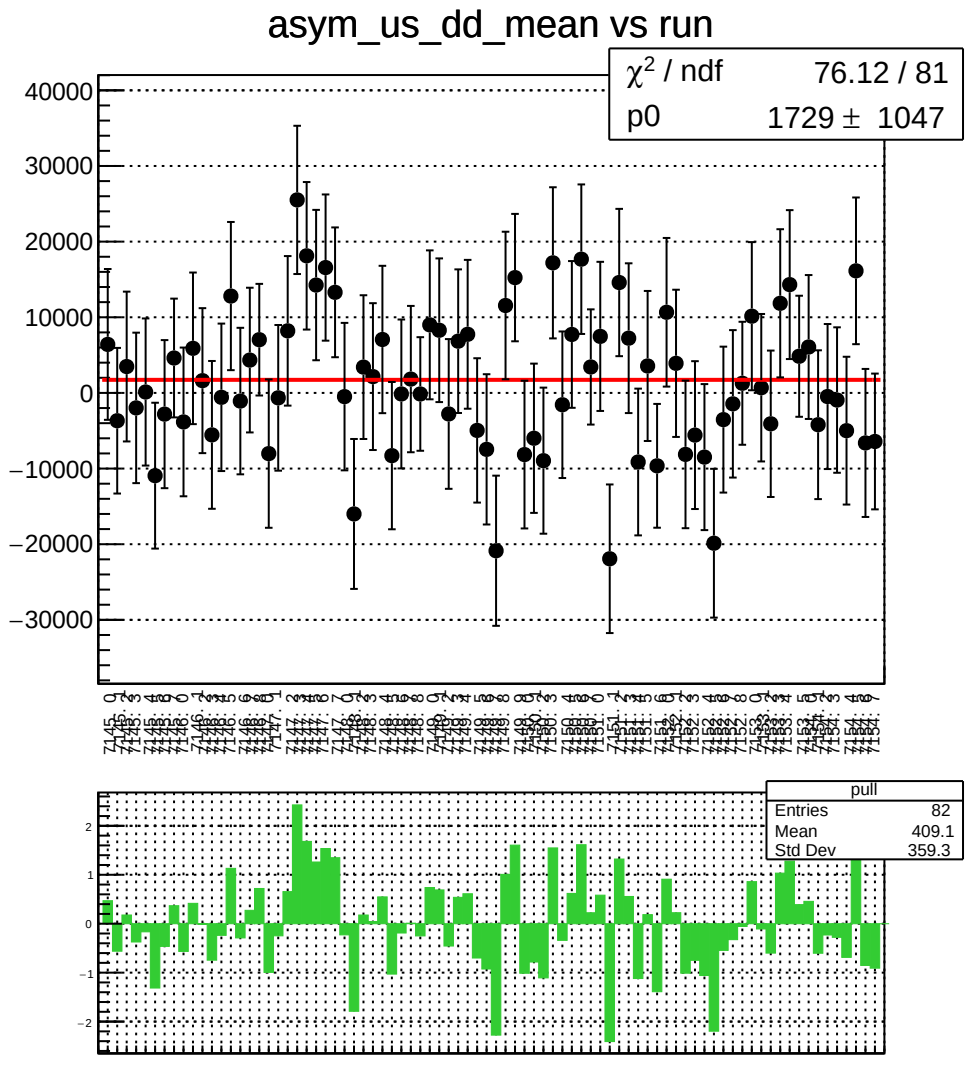

pull1D
Entries 82
Mean −0.005359
Std Dev 0.9866
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

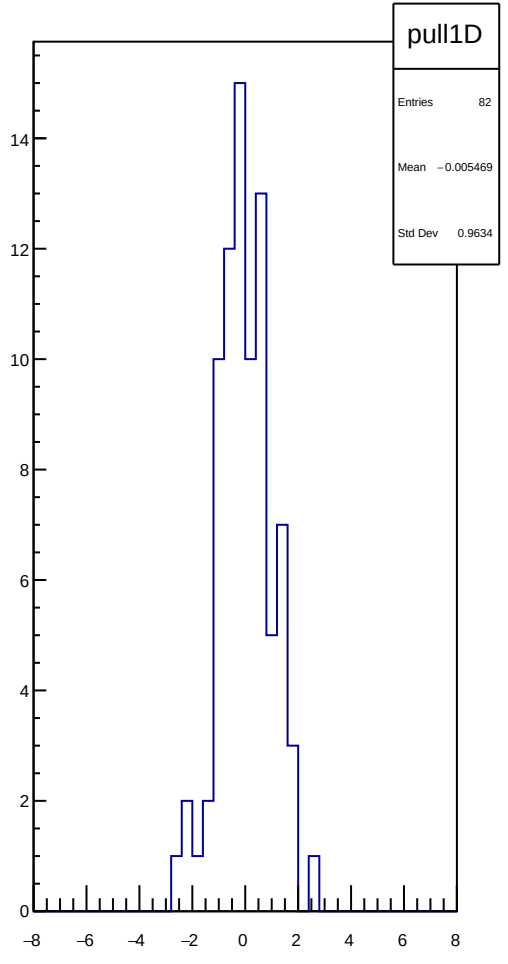

dit_asym_us_dd_rms vs run
χ^2 / ndf 61.23 / 81
p0 782.4 ± 0.6257
800
795
790
785
780
775
770
765

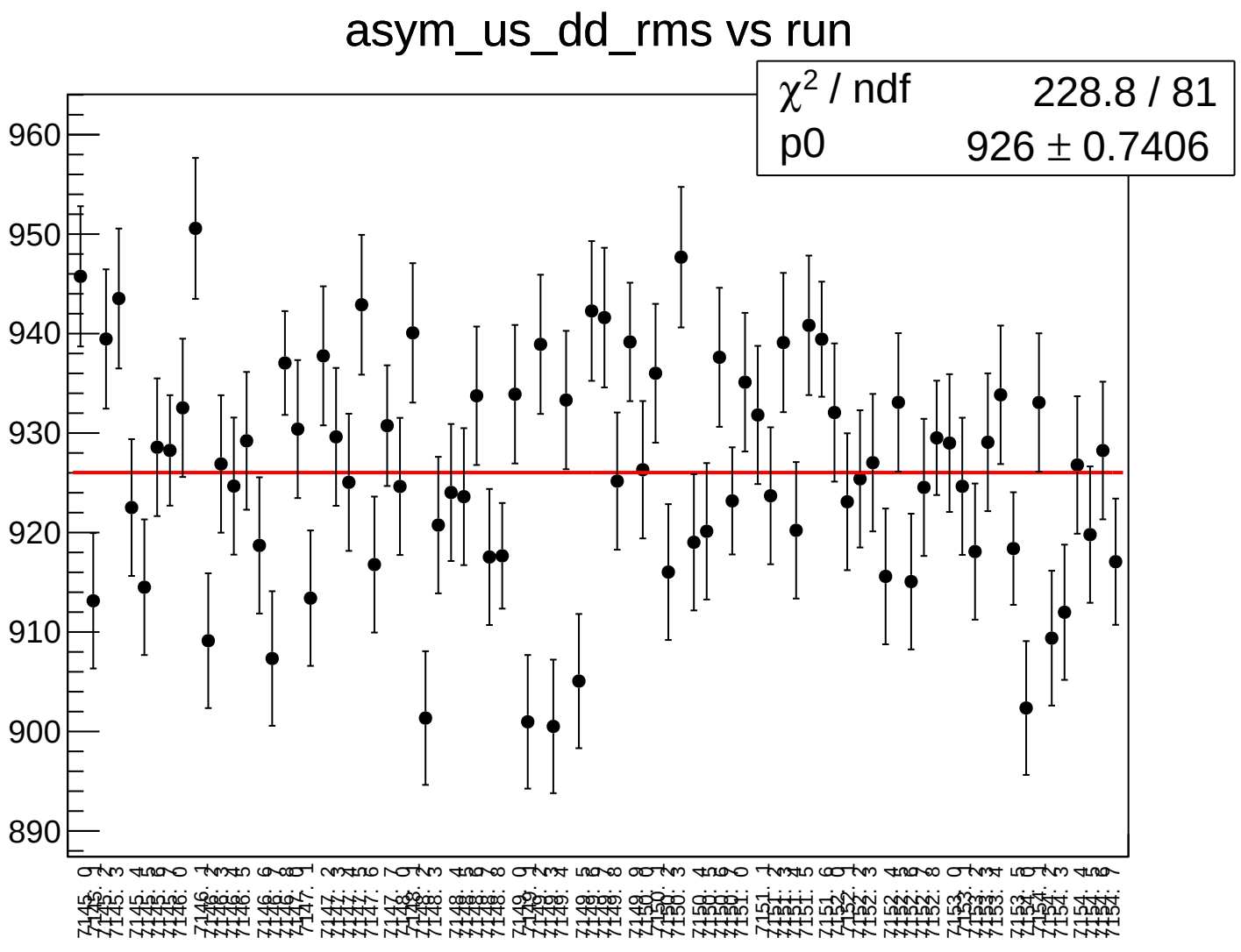

asym_us_dd_correction_mean vs run
χ² / ndf 58.92 / 81
p0 −971 ± 2100
pull
Entries 82
Mean 716.3
Std Dev 670.9

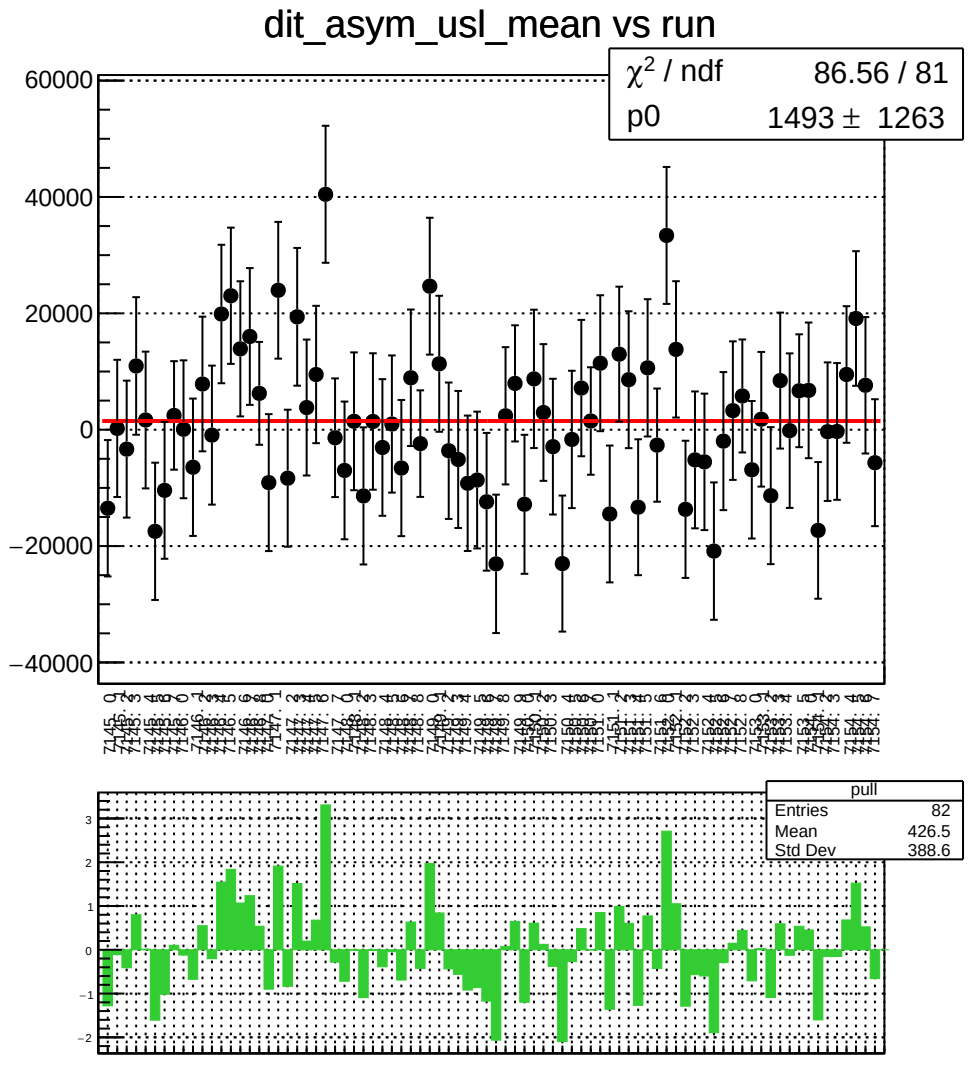

pull1D
Entries 82
Mean 0.004251
Std Dev 0.8477

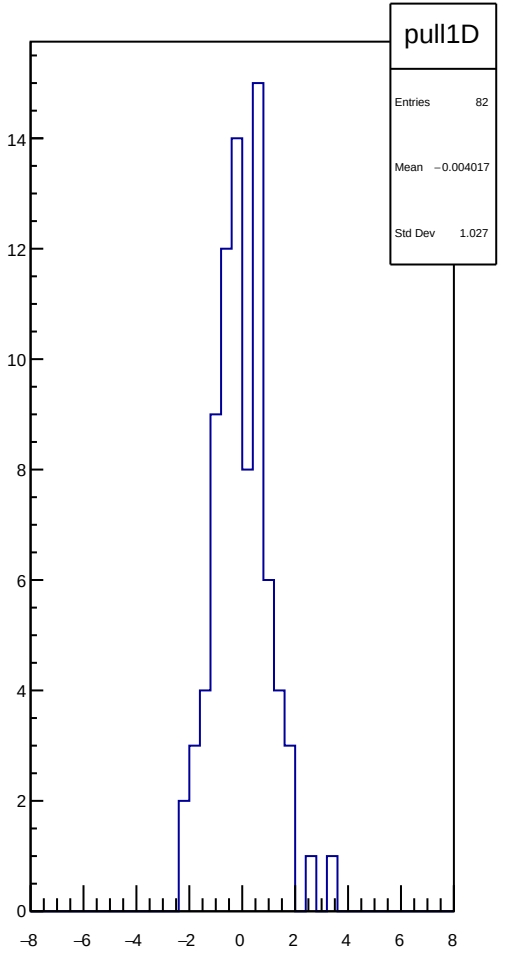

asym_us_dd_correction_rms vs run
χ² / ndf 2.821e+04 / 81
p0 1840 ± 1.485
3000
2800
2600
2400
2200
2000
1800
1600

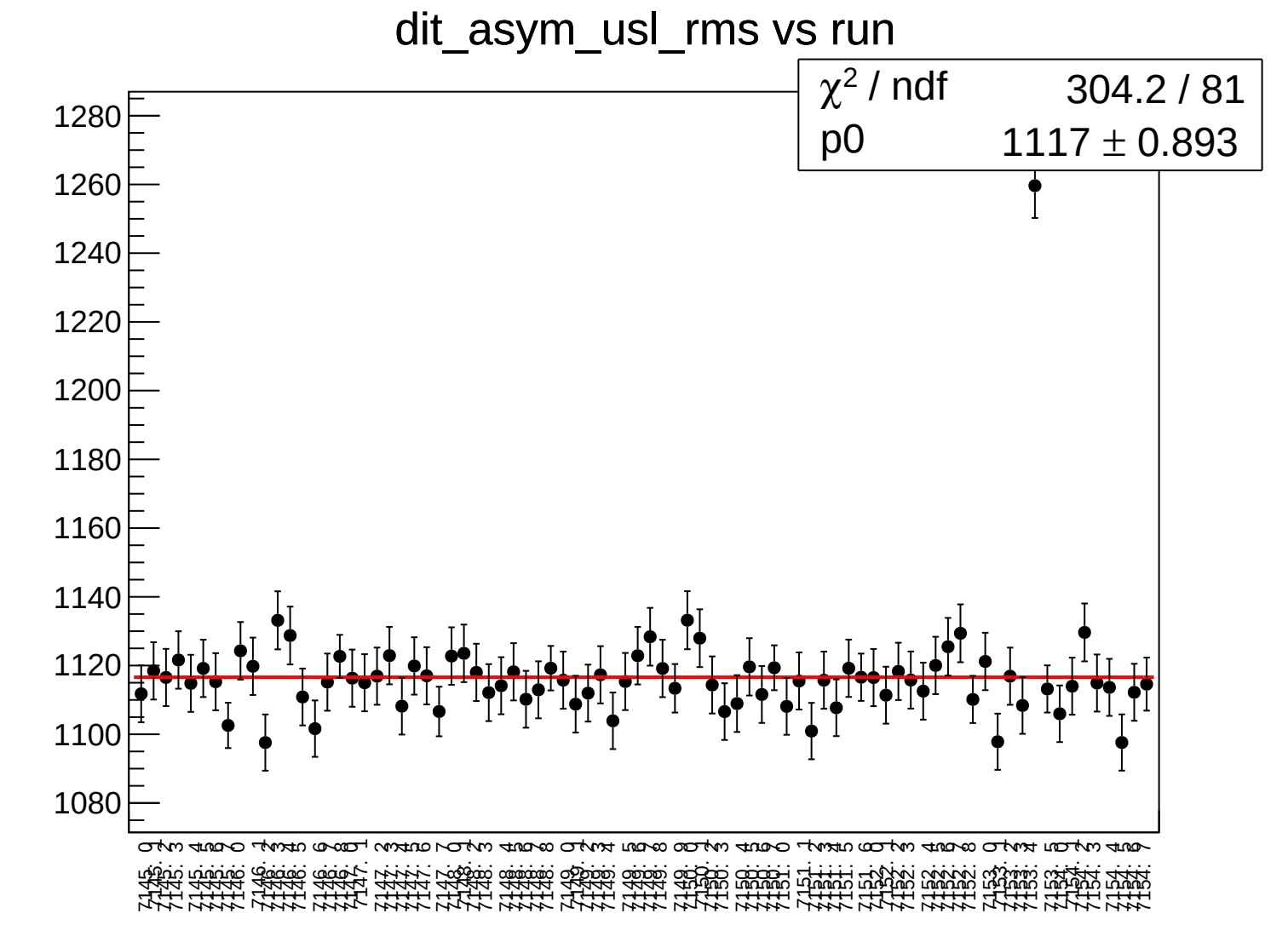

asym_us_dd_mean vs run
χ² / ndf 76.12 / 81
p0 1729 ± 1047
pull
Entries 82
Mean 409.1
Std Dev 359.3

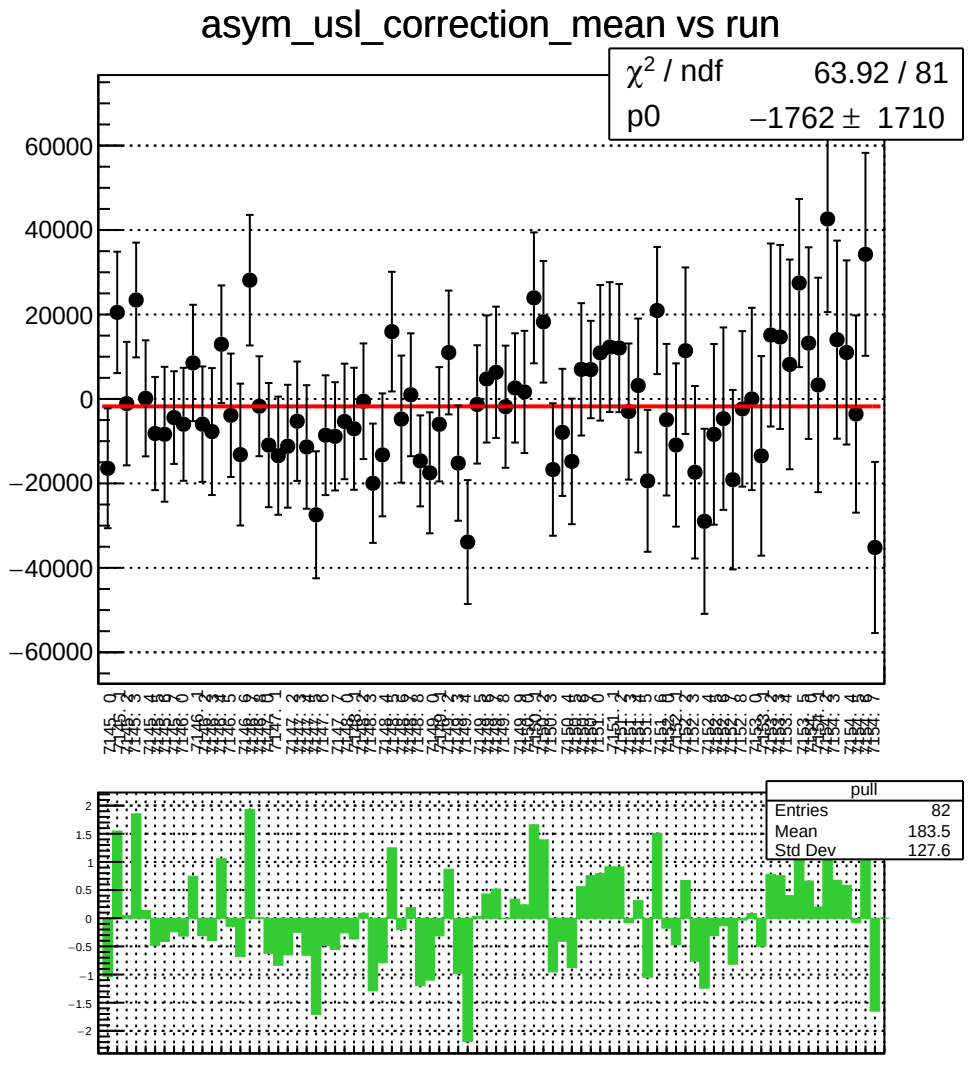

pull1D
Entries 82
Mean −0.005469
Std Dev 0.9634

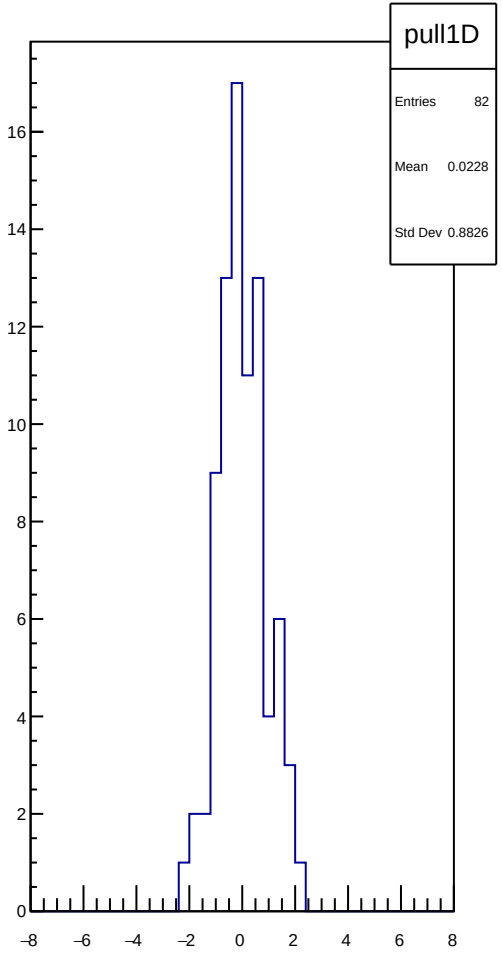

asym_us_dd_rms vs run
χ² / ndf 228.8 / 81
p0 926 ± 0.7406
960
950
940
930
920
910
900
890

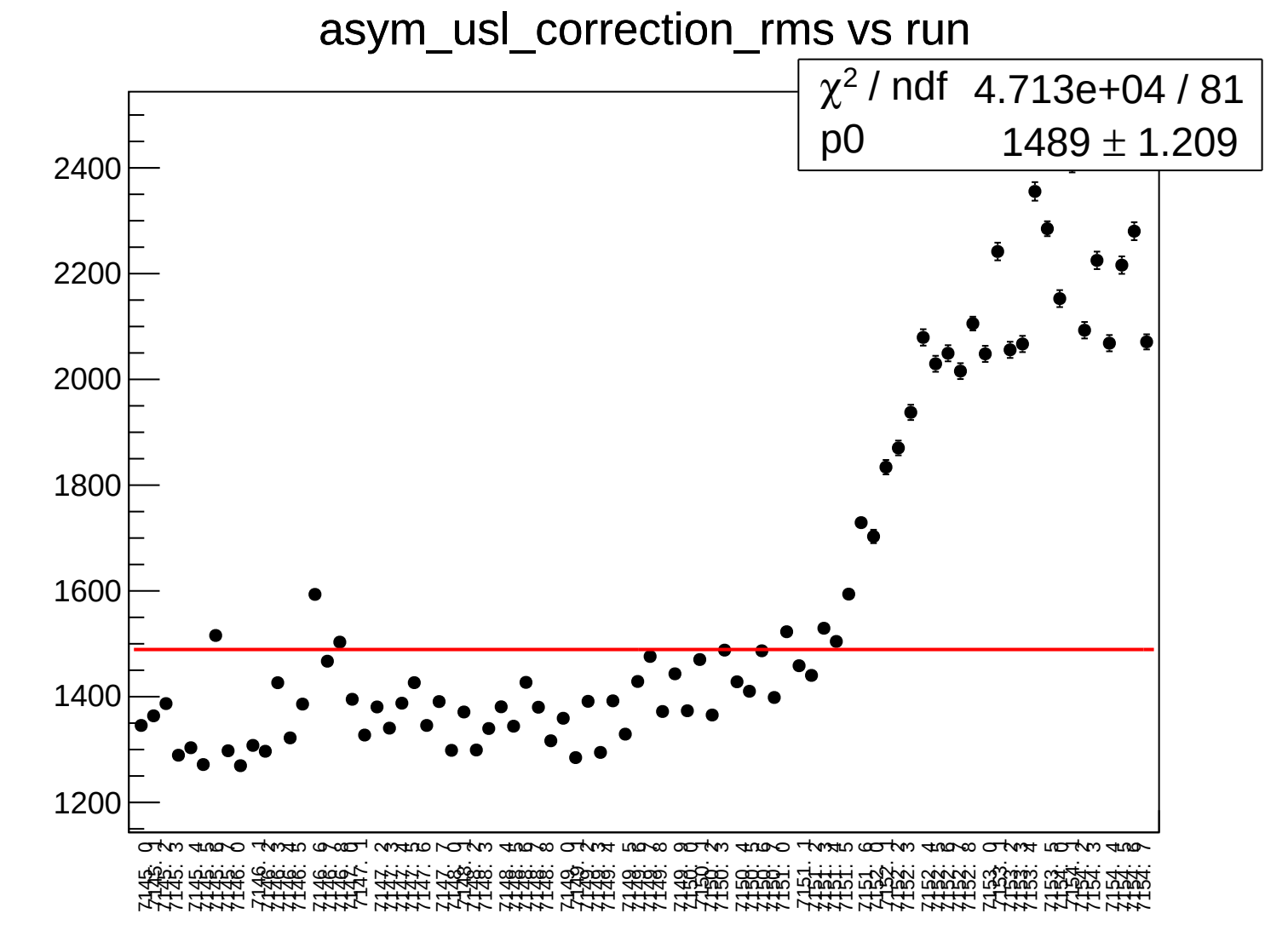

dit_asym_usl_mean vs run
χ² / ndf 86.56 / 81
p0 1493 ± 1263
60000
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 426.5
Std Dev 388.6
3
2
1
0
−1
−2

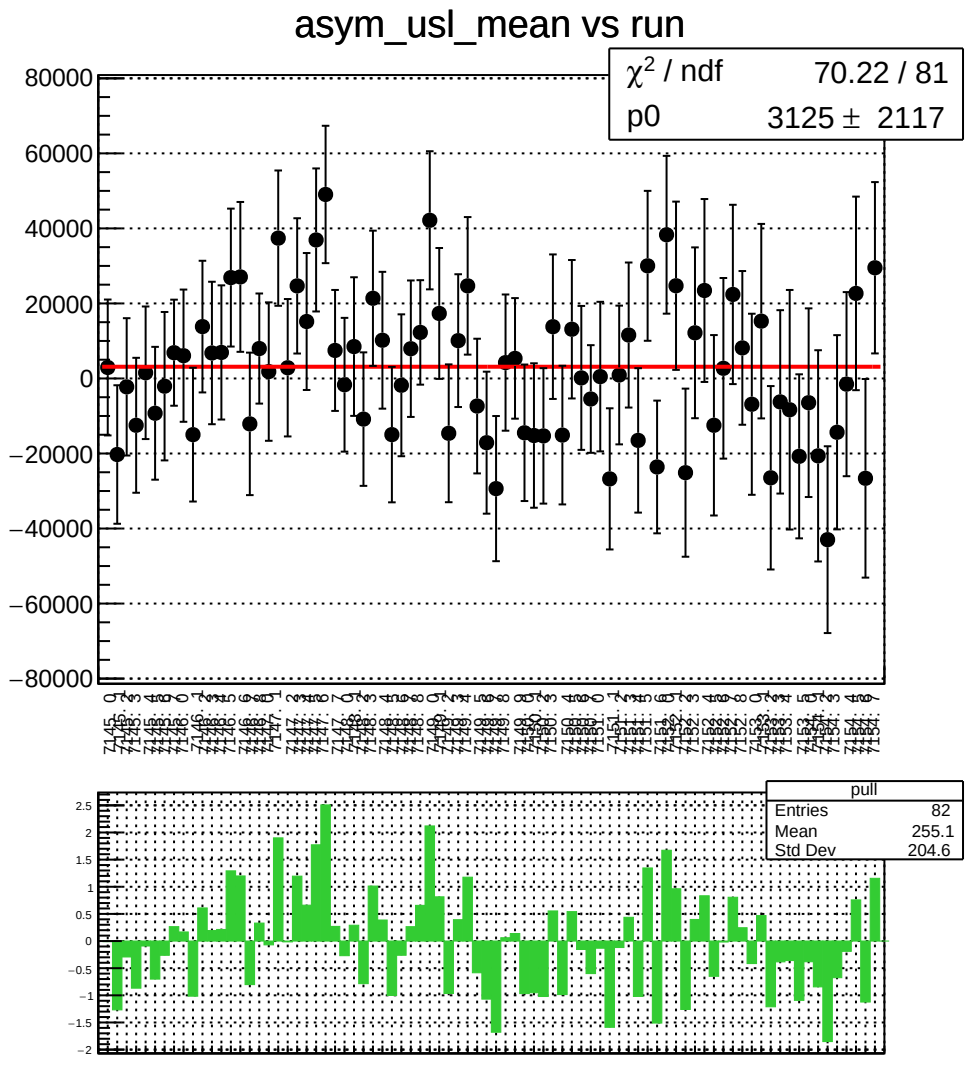

pull1D
Entries 82
Mean −0.004017
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

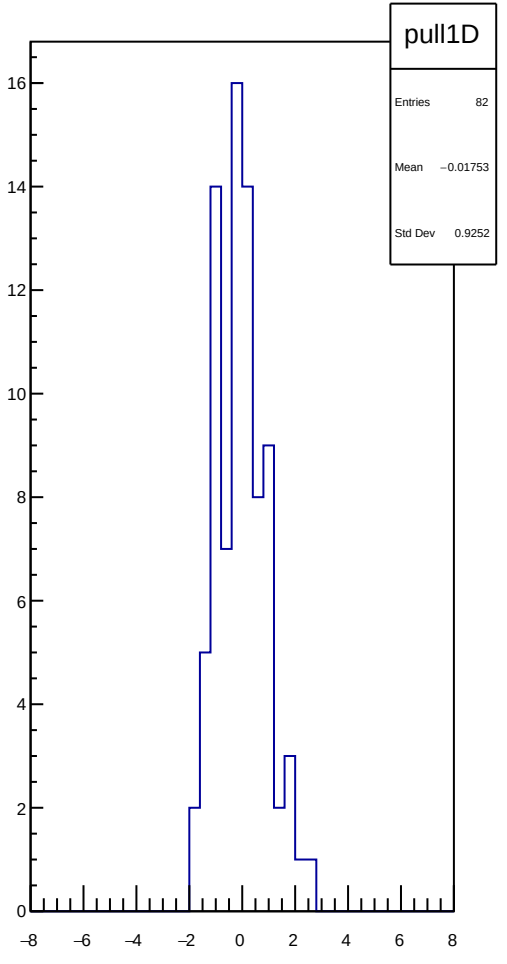

dit_asym_usl_rms vs run
χ² / ndf 304.2 / 81
p0 1117 ± 0.893
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080

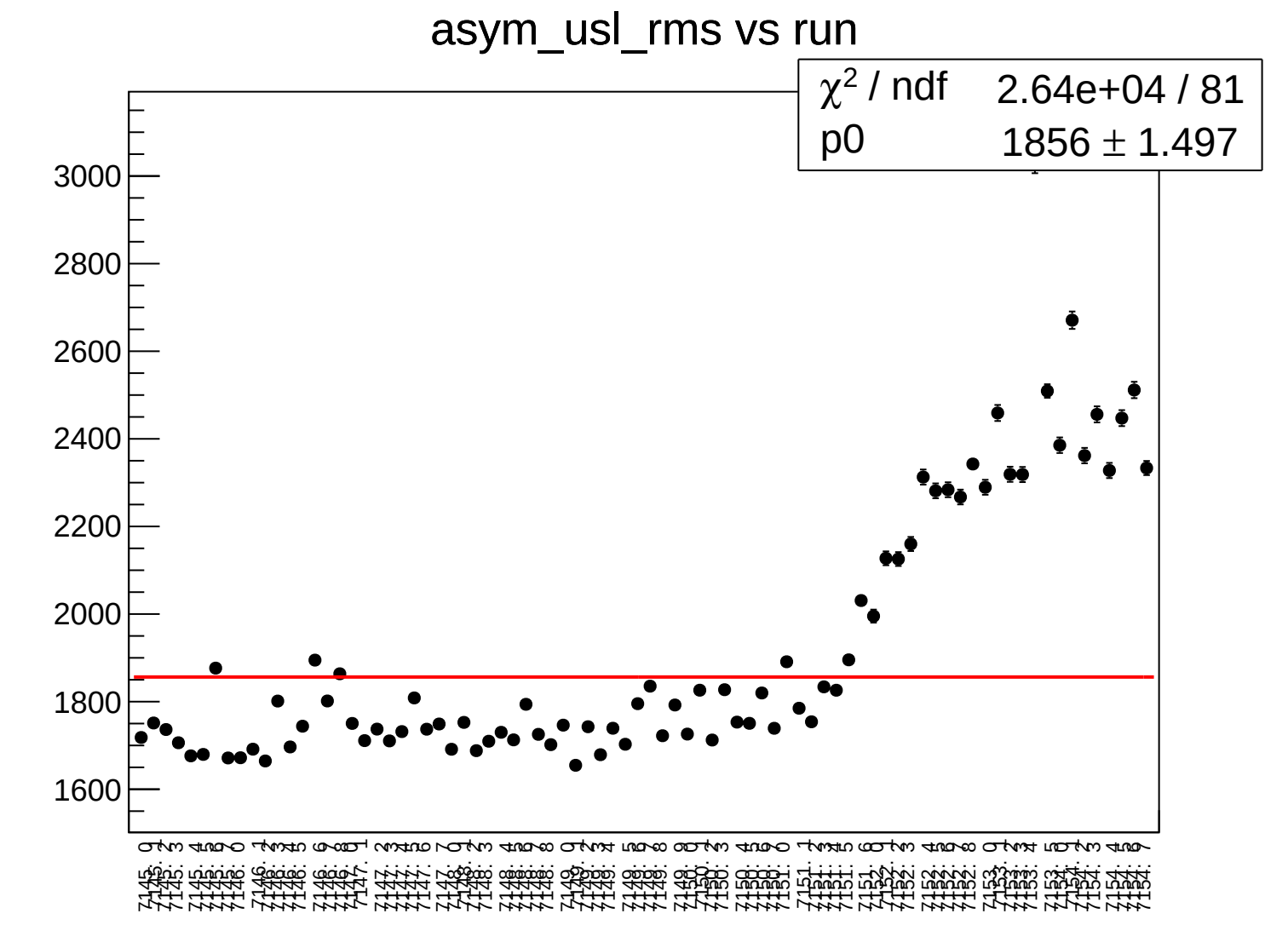

asym_usl_correction_mean vs run
χ² / ndf 63.92 / 81
p0 −1762 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 183.5
Std Dev 127.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

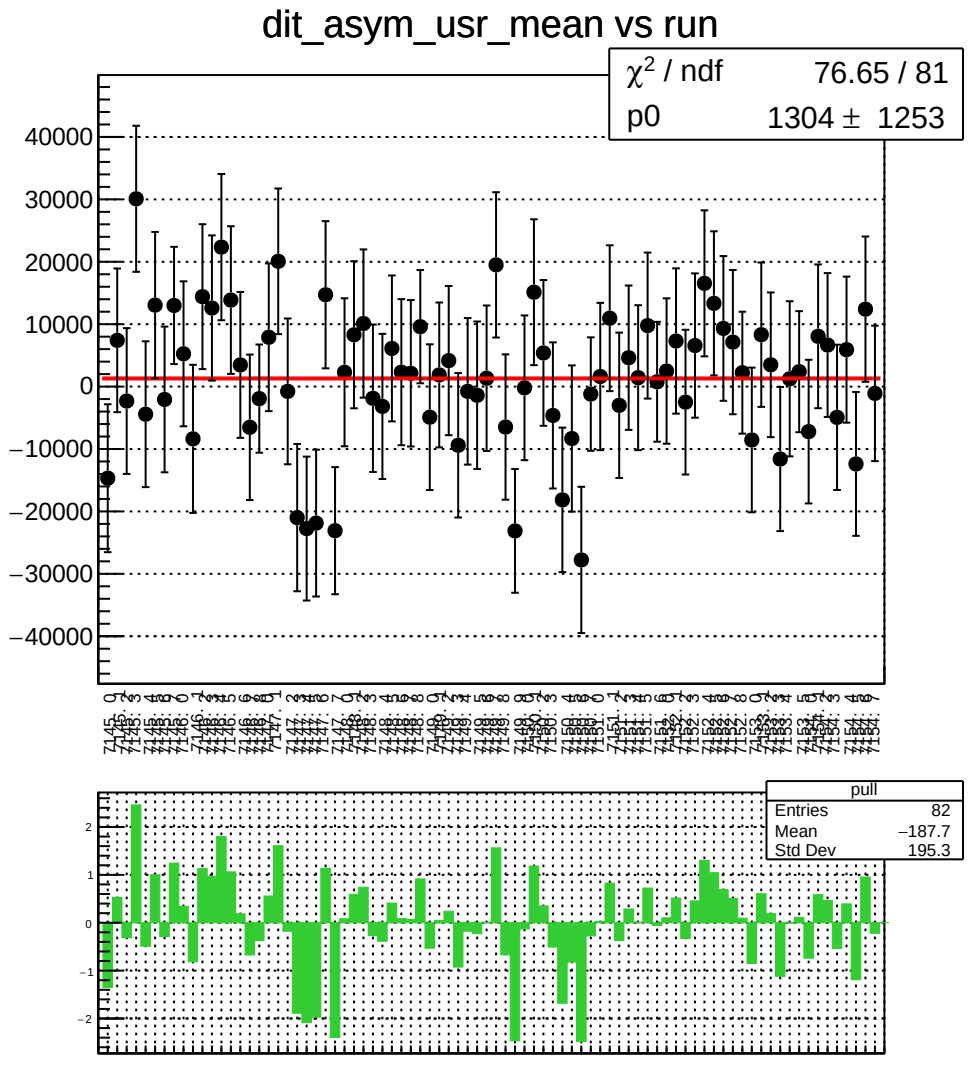

pull1D
Entries 82
Mean 0.0228
Std Dev 0.8826
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

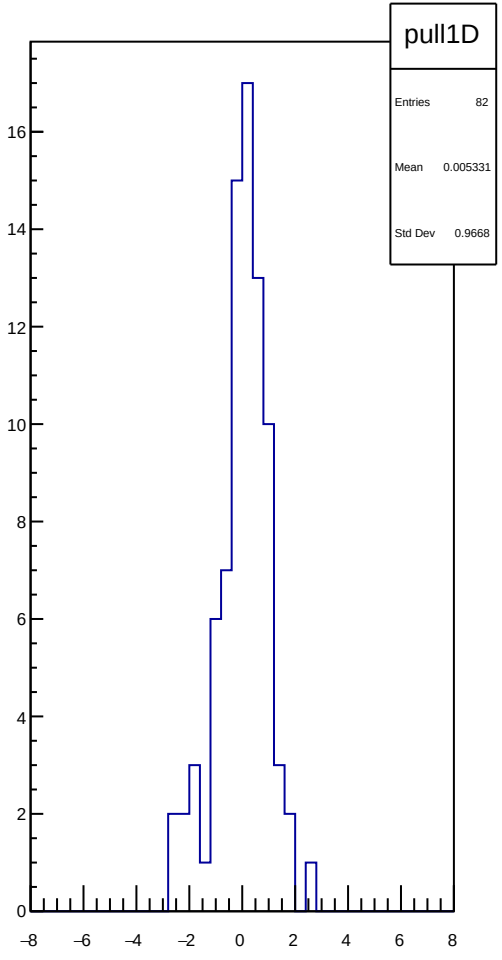

asym_usl_correction_rms vs run
χ² / ndf 4.713e+04 / 81
p0 1489 ± 1.209
2400
2200
2000
1800
1600
1400
1200

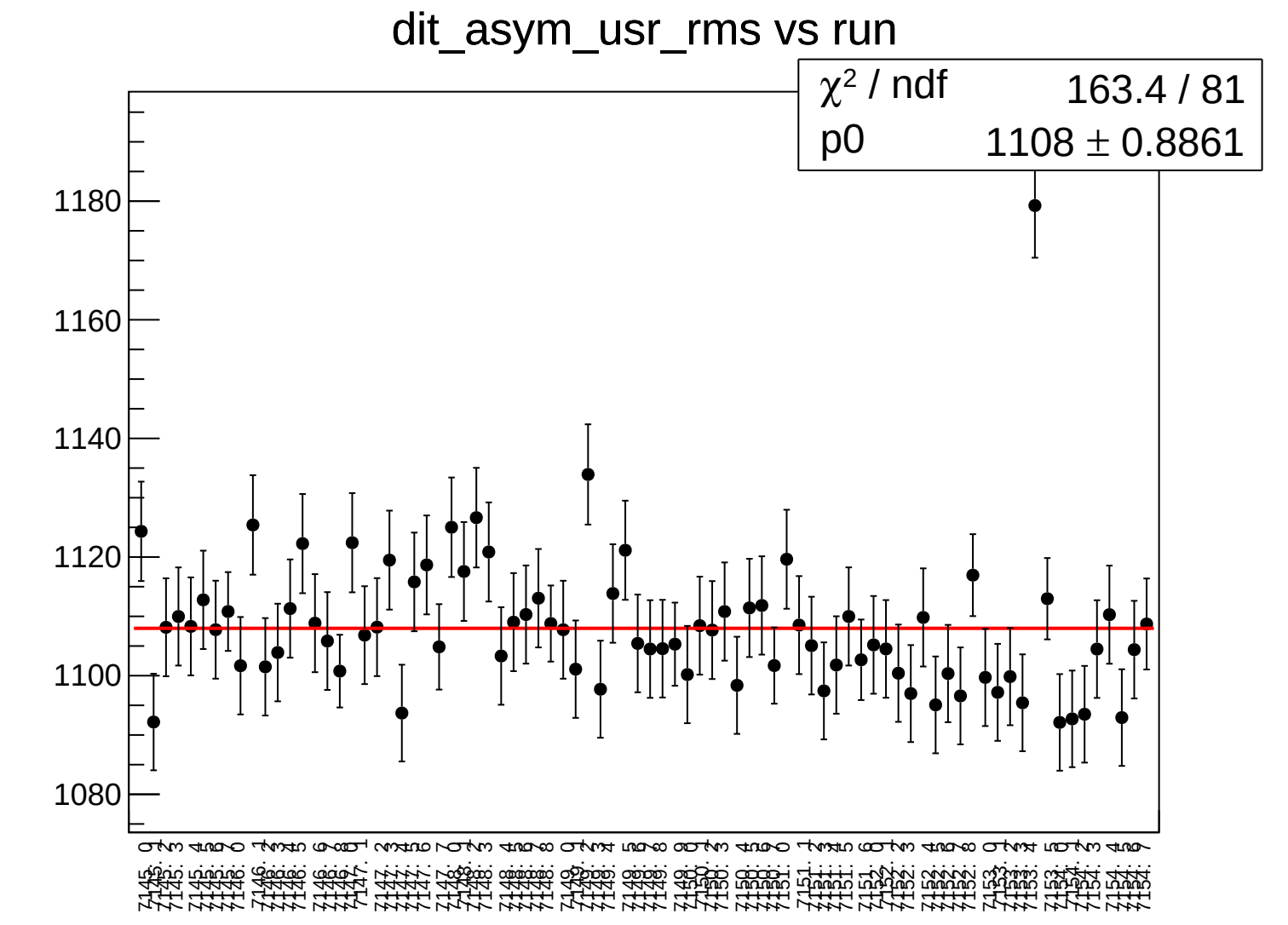

asym_usl_mean vs run
χ² / ndf 70.22 / 81
p0 3125 ± 2117
pull
Entries 82
Mean 255.1
Std Dev 204.6

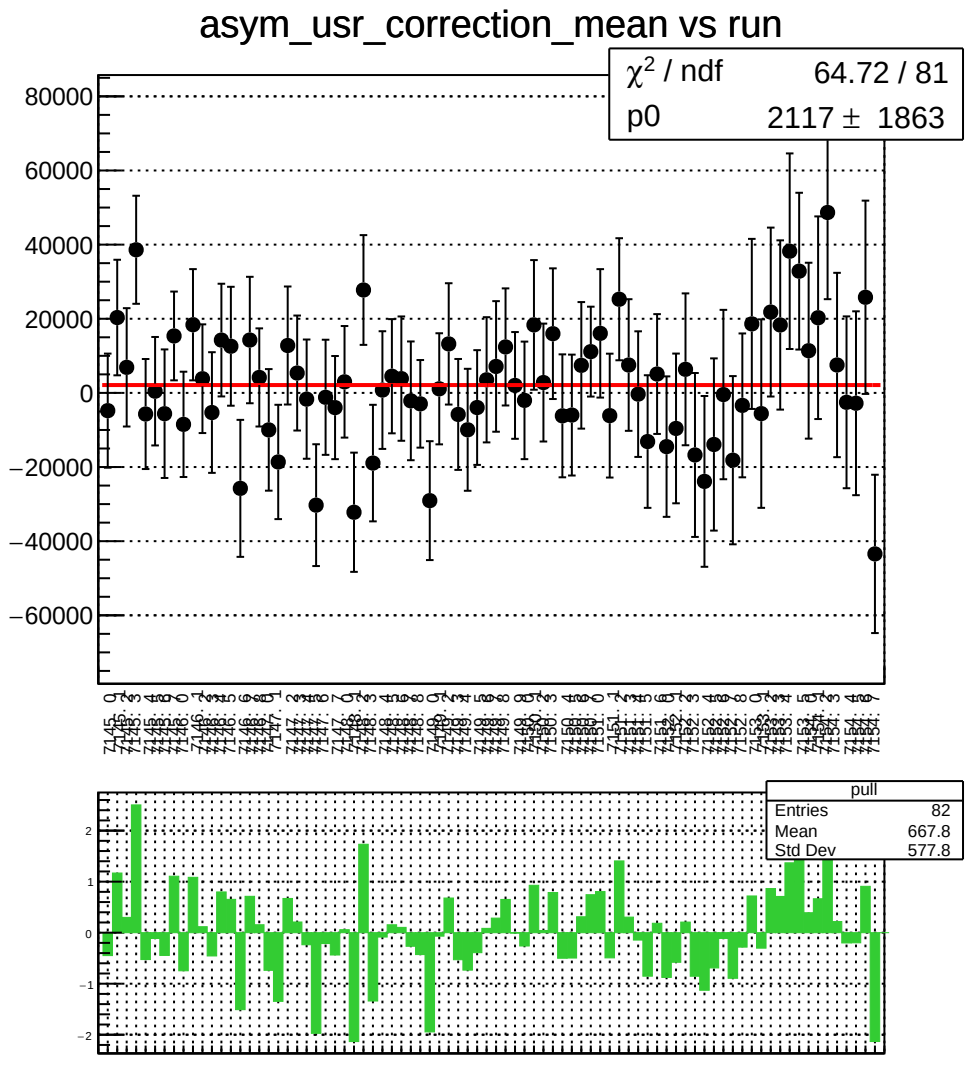

pull1D
Entries 82
Mean −0.01753
Std Dev 0.9252

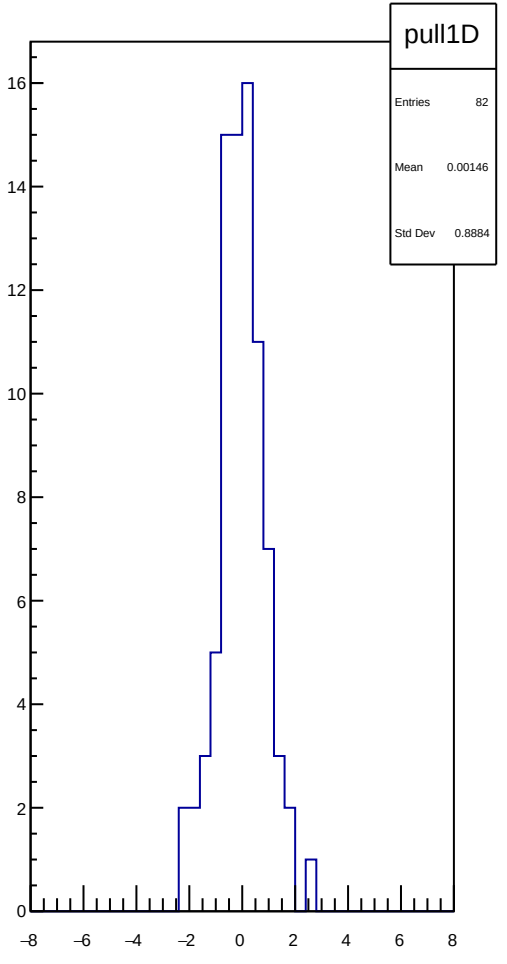

asym_usl_rms vs run
χ² / ndf 2.64e+04 / 81
p0 1856 ± 1.497
3000
2800
2600
2400
2200
2000
1800
1600

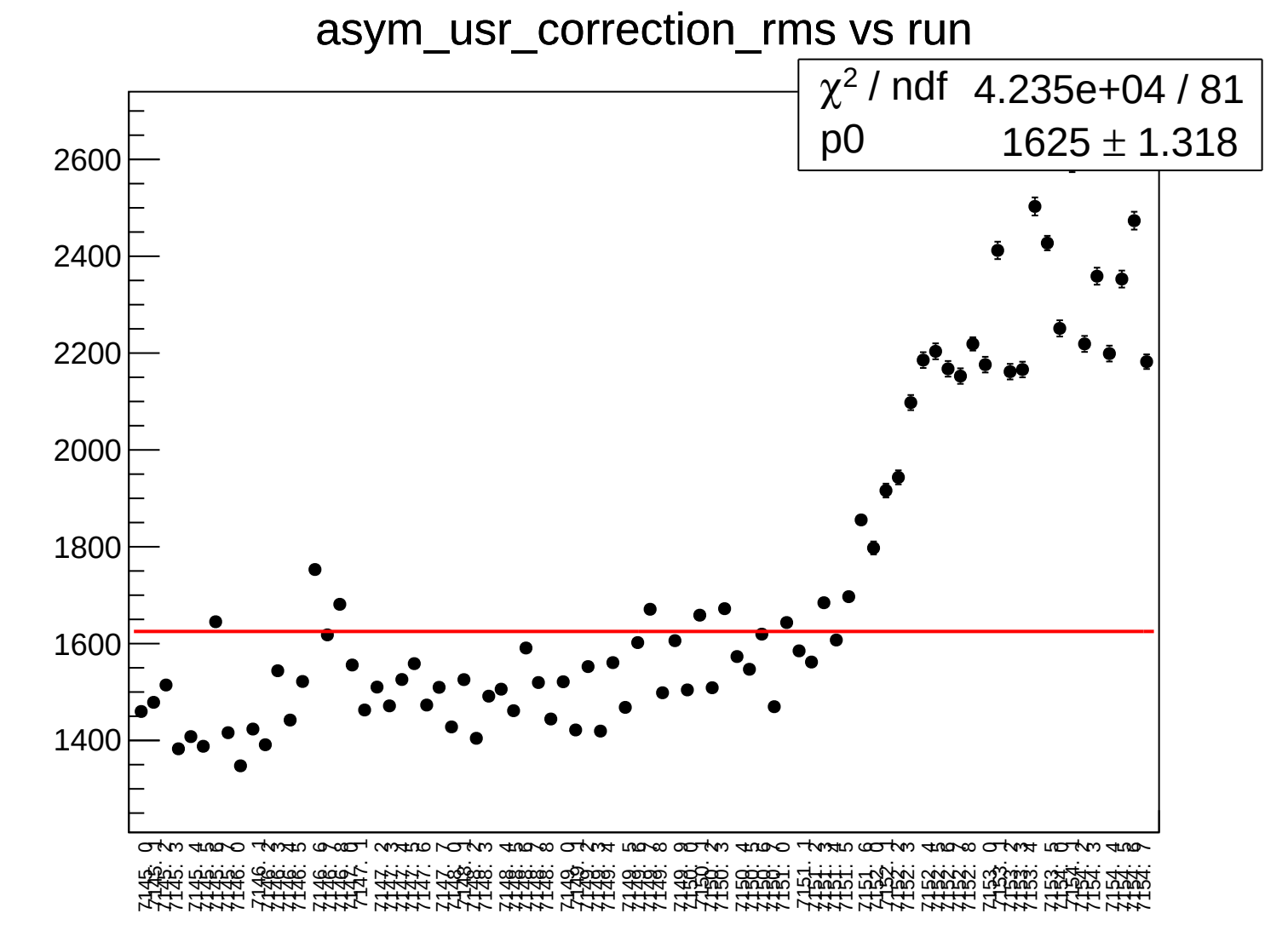

dit_asym_usr_mean vs run
χ² / ndf 76.65 / 81
p0 1304 ± 1253
pull
Entries 82
Mean −187.7
Std Dev 195.3

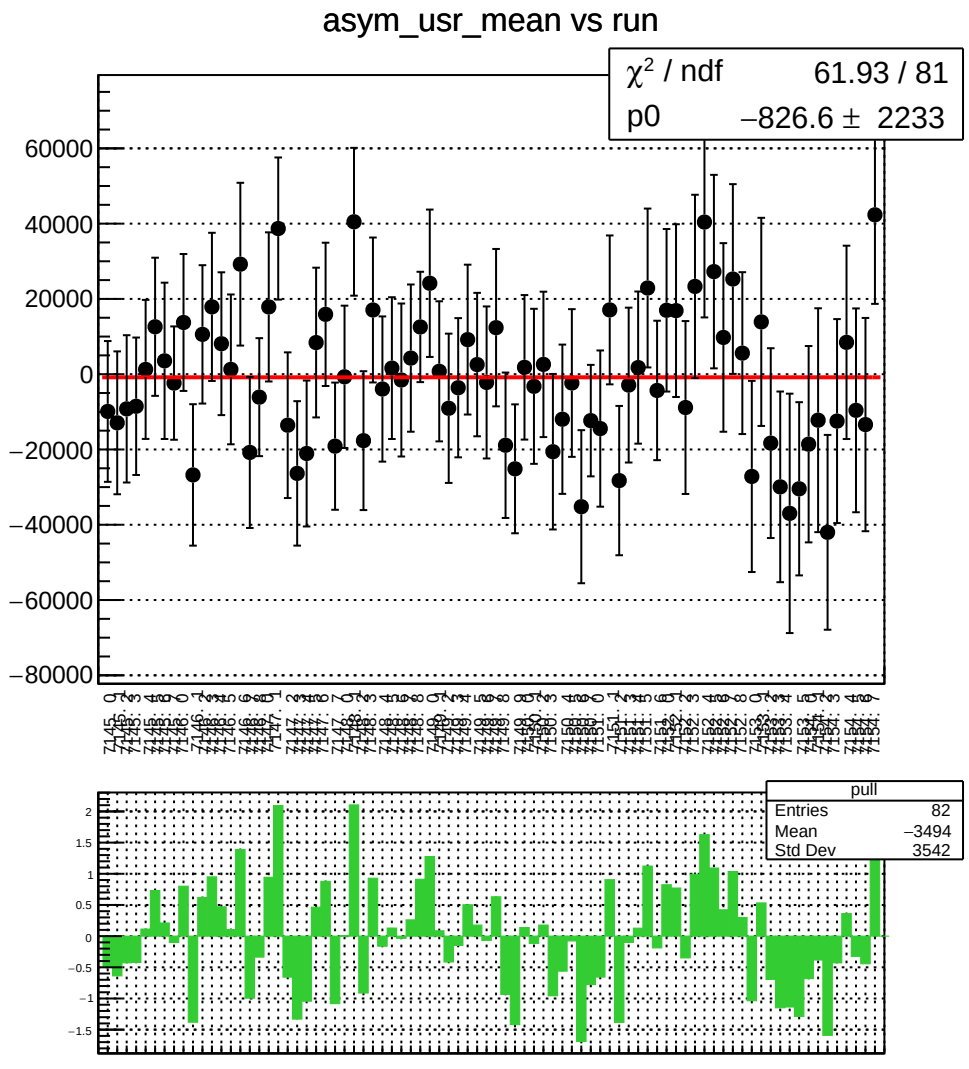

pull1D
Entries 82
Mean 0.005331
Std Dev 0.9668

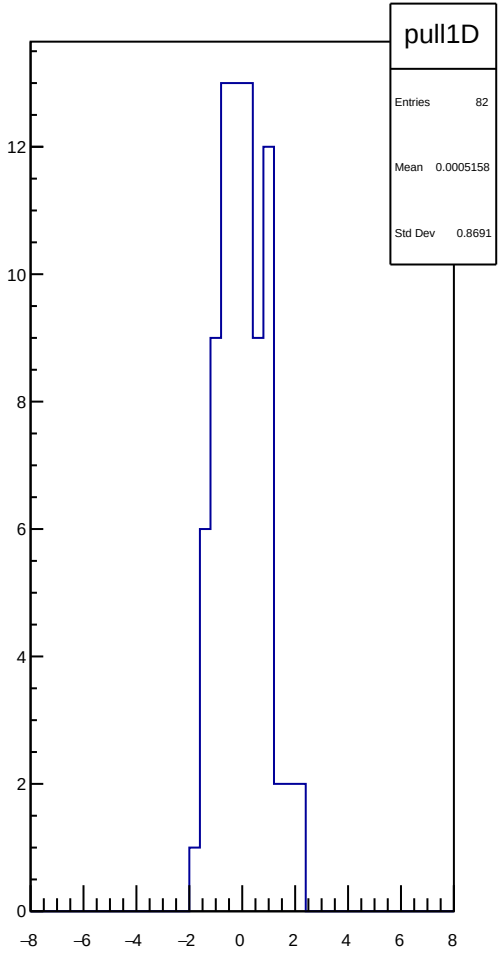

dit_asym_usr_rms vs run
χ² / ndf 163.4 / 81
p0 1108 ± 0.8861
1180
1160
1140
1120
1100
1080

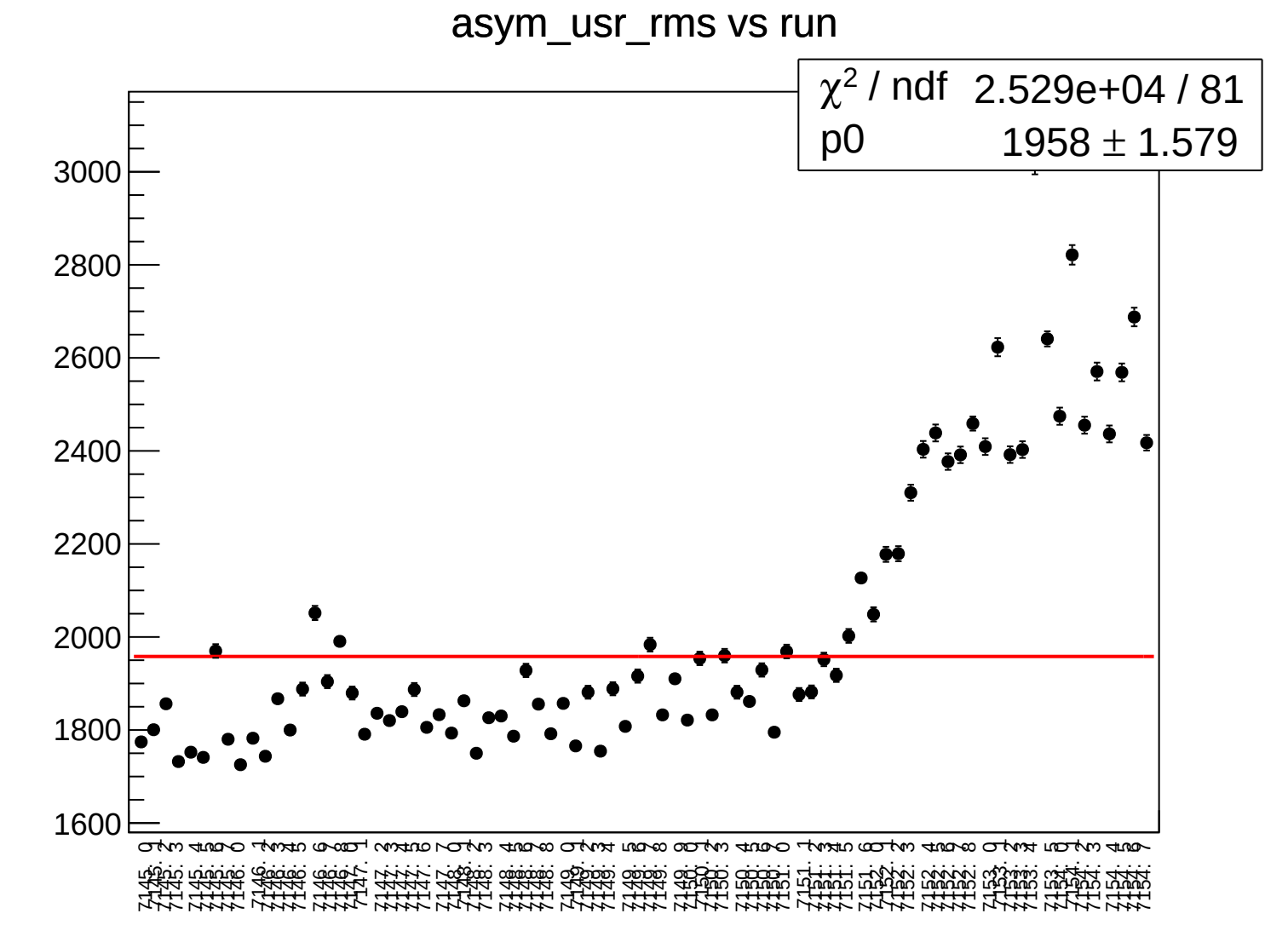

asym_usr_correction_mean vs run
χ² / ndf 64.72 / 81
p0 2117 ± 1863
pull
Entries 82
Mean 667.8
Std Dev 577.8

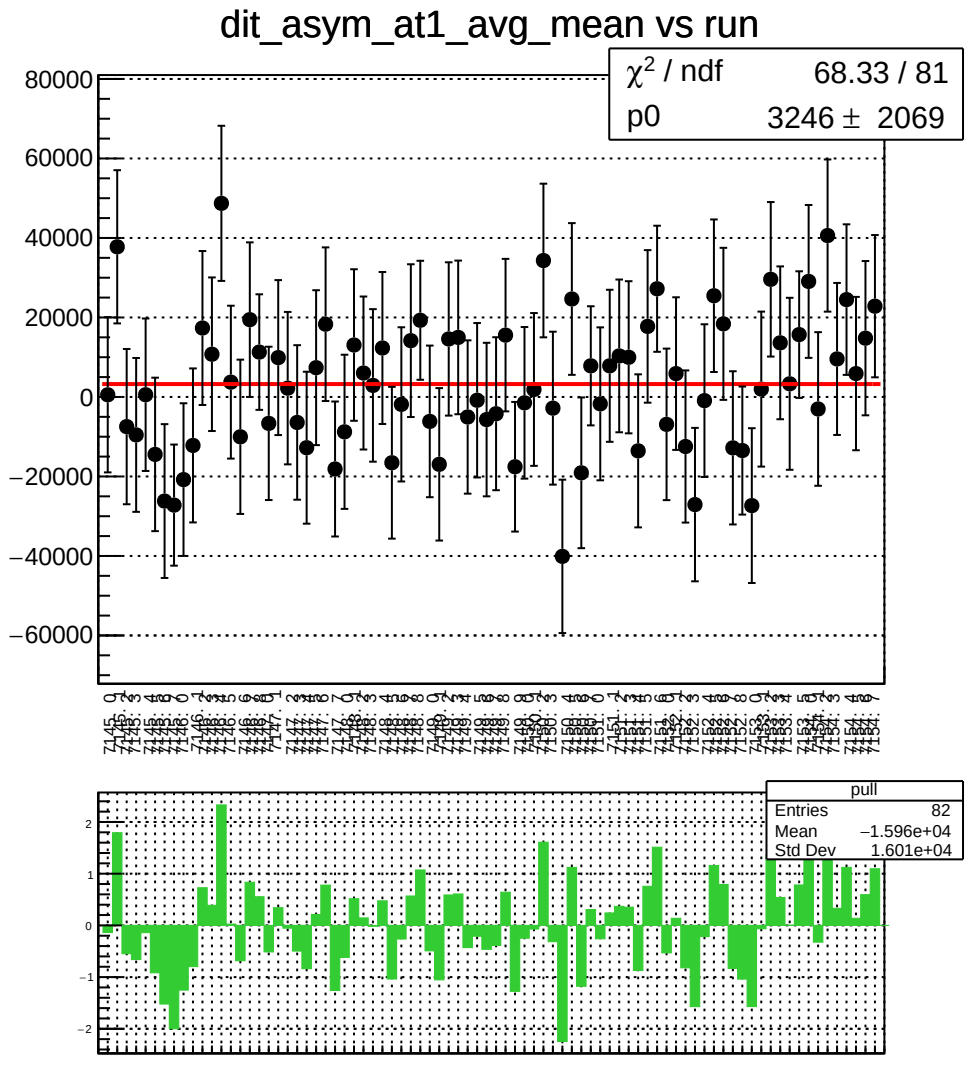

pull1D
Entries 82
Mean 0.00146
Std Dev 0.8884

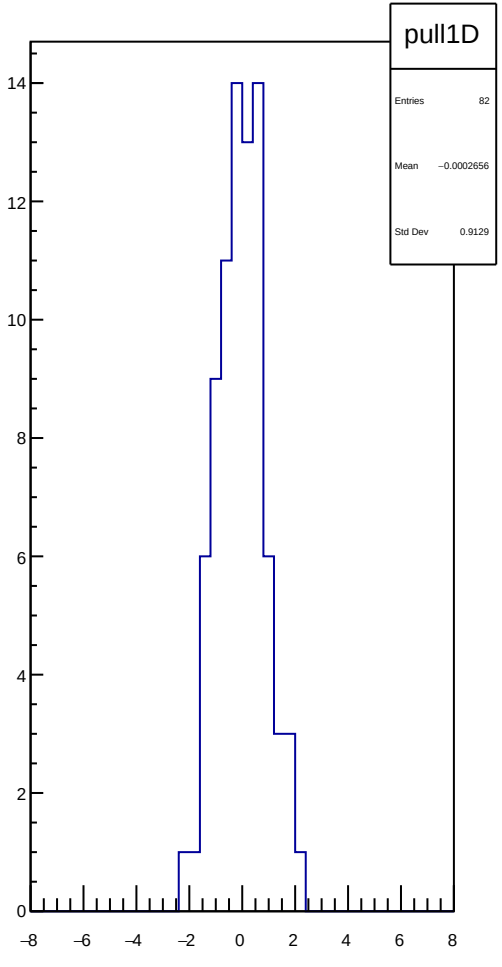

asym_usr_correction_rms vs run
χ² / ndf 4.235e+04 / 81
p0 1625 ± 1.318
2600
2400
2200
2000
1800
1600
1400

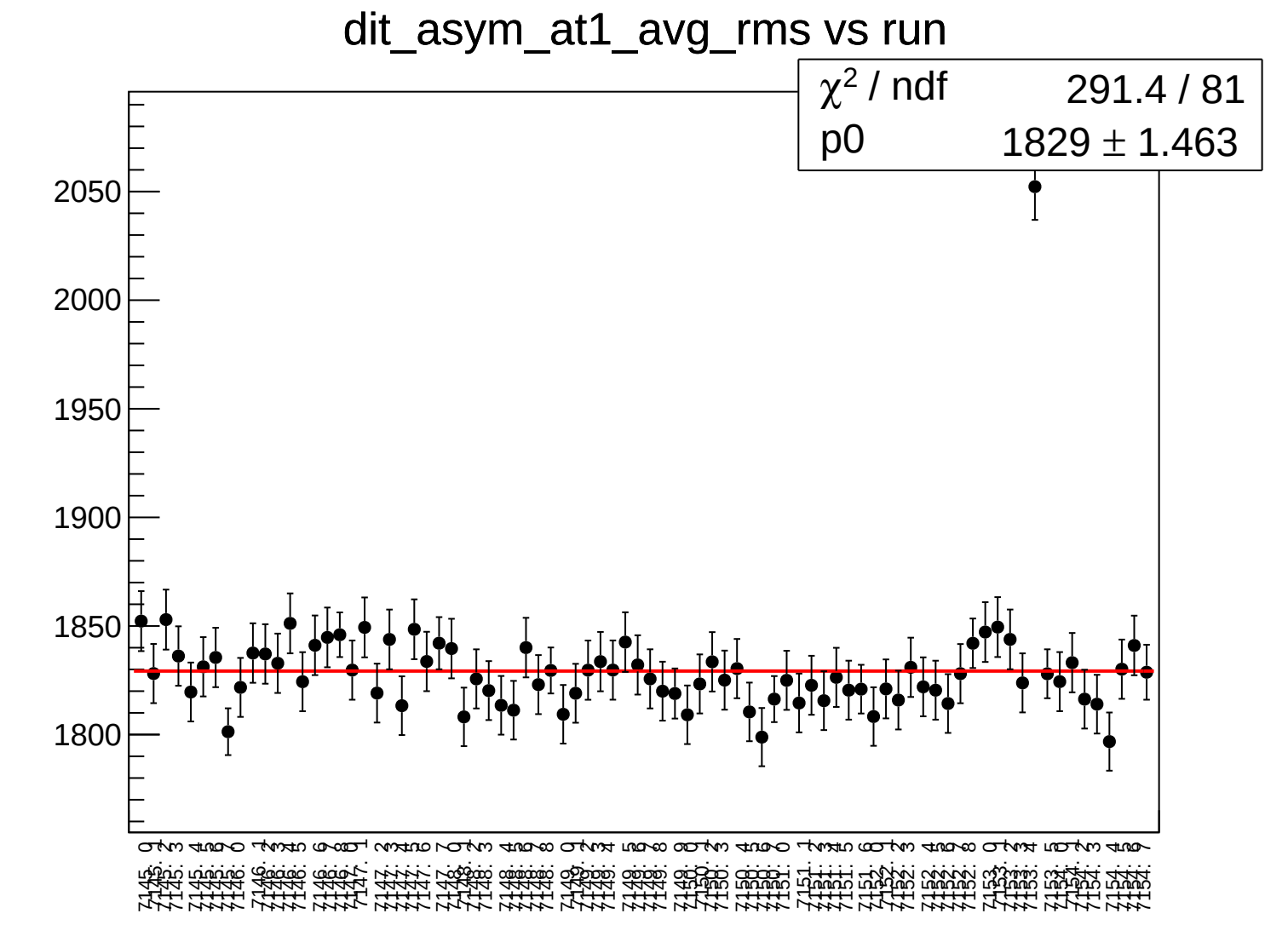

asym_usr_mean vs run
χ² / ndf 61.93 / 81
p0 −826.6 ± 2233
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −3494
Std Dev 3542
2
1.5
1
0.5
0
−0.5
−1
−1.5

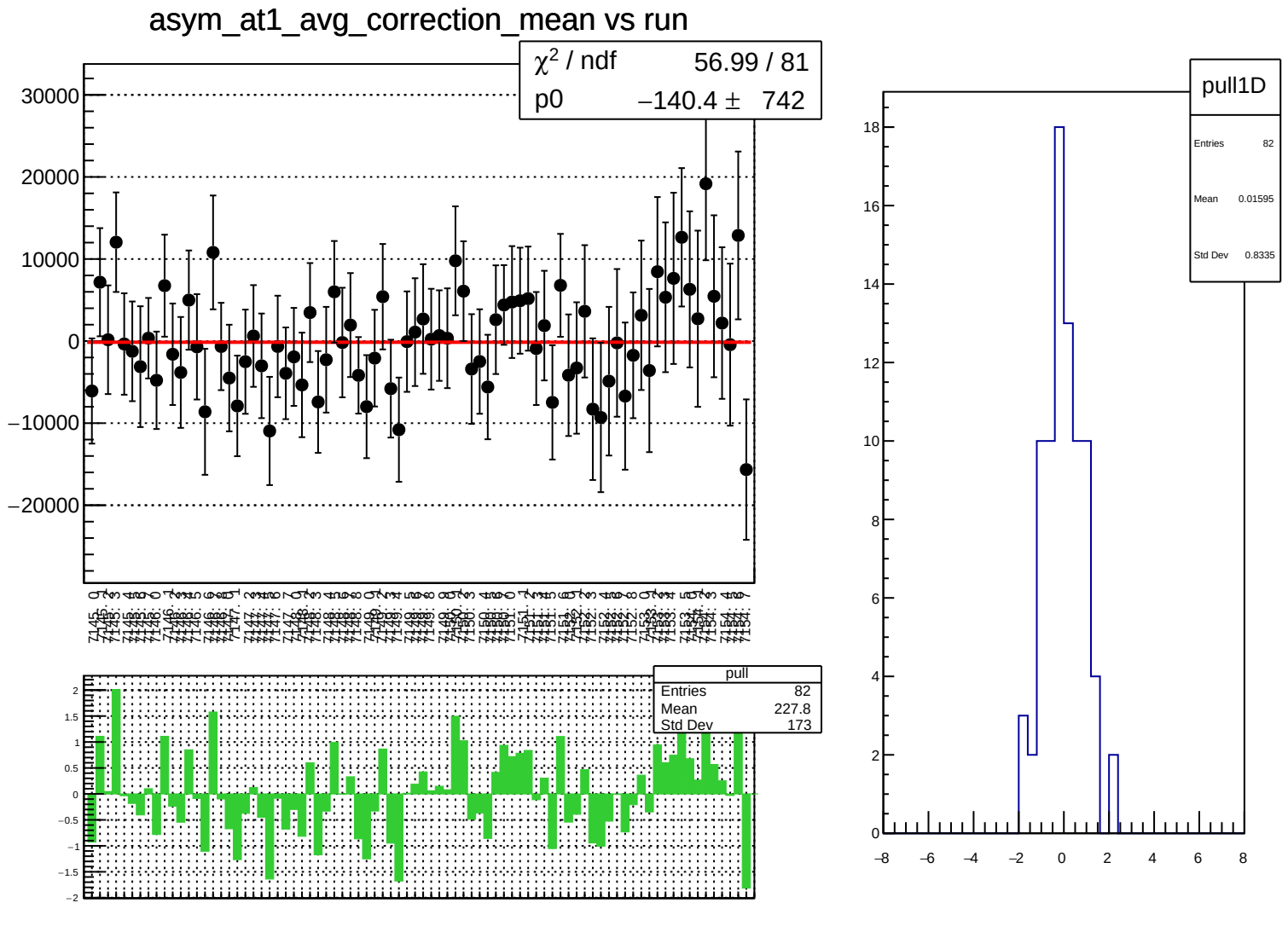

pull1D
Entries 82
Mean 0.0005158
Std Dev 0.8691
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

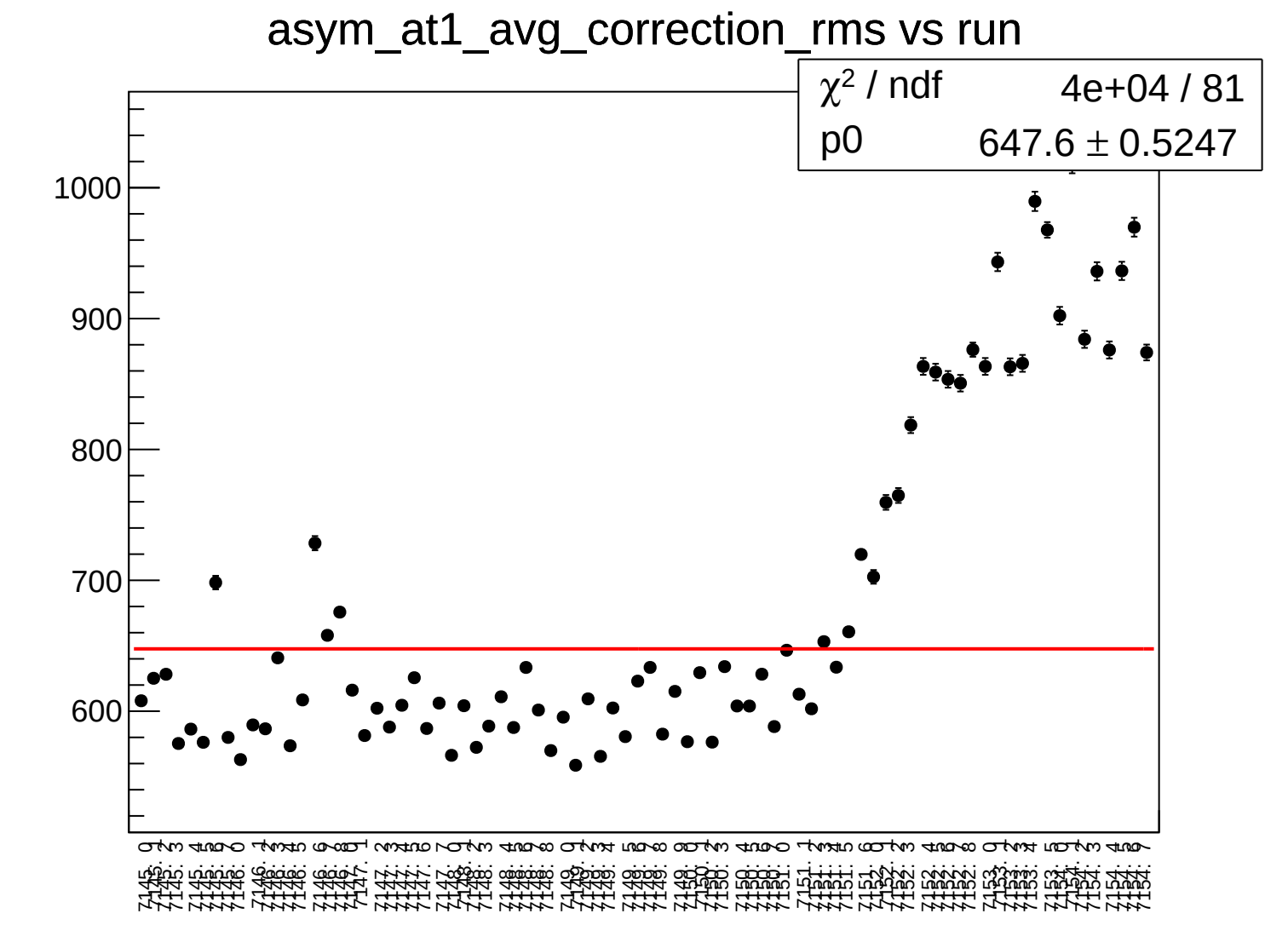

asym_usr_rms vs run
χ² / ndf 2.529e+04 / 81
p0 1958 ± 1.579
3000
2800
2600
2400
2200
2000
1800
1600

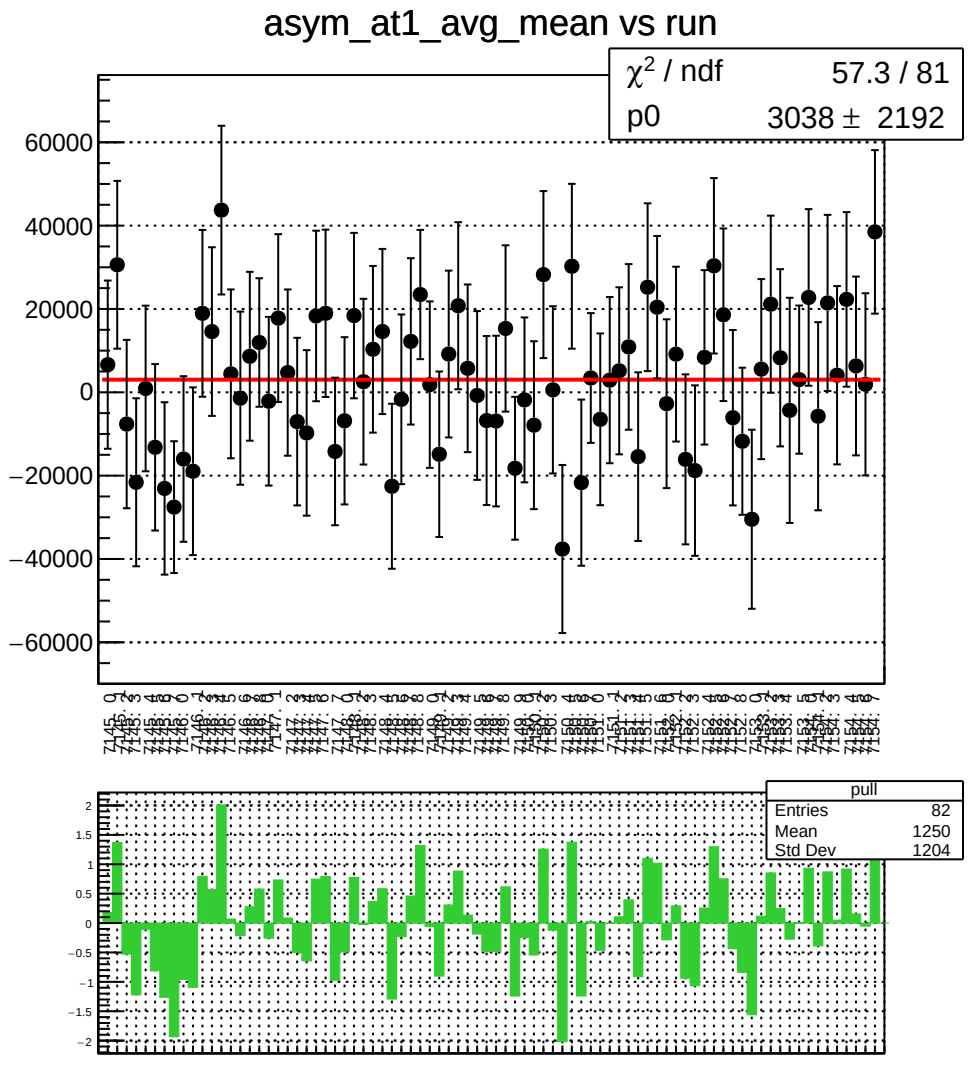

dit_asym_at1_avg_mean vs run
χ² / ndf 68.33 / 81
p0 3246 ± 2069
pull
Entries 82
Mean −1.596e+04
Std Dev 1.601e+04

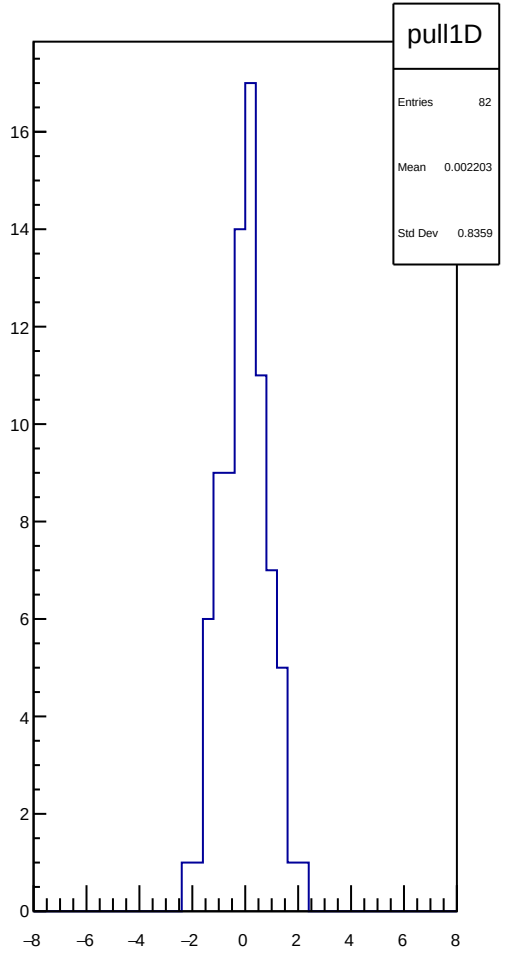

pull1D
Entries 82
Mean −0.0002656
Std Dev 0.9129

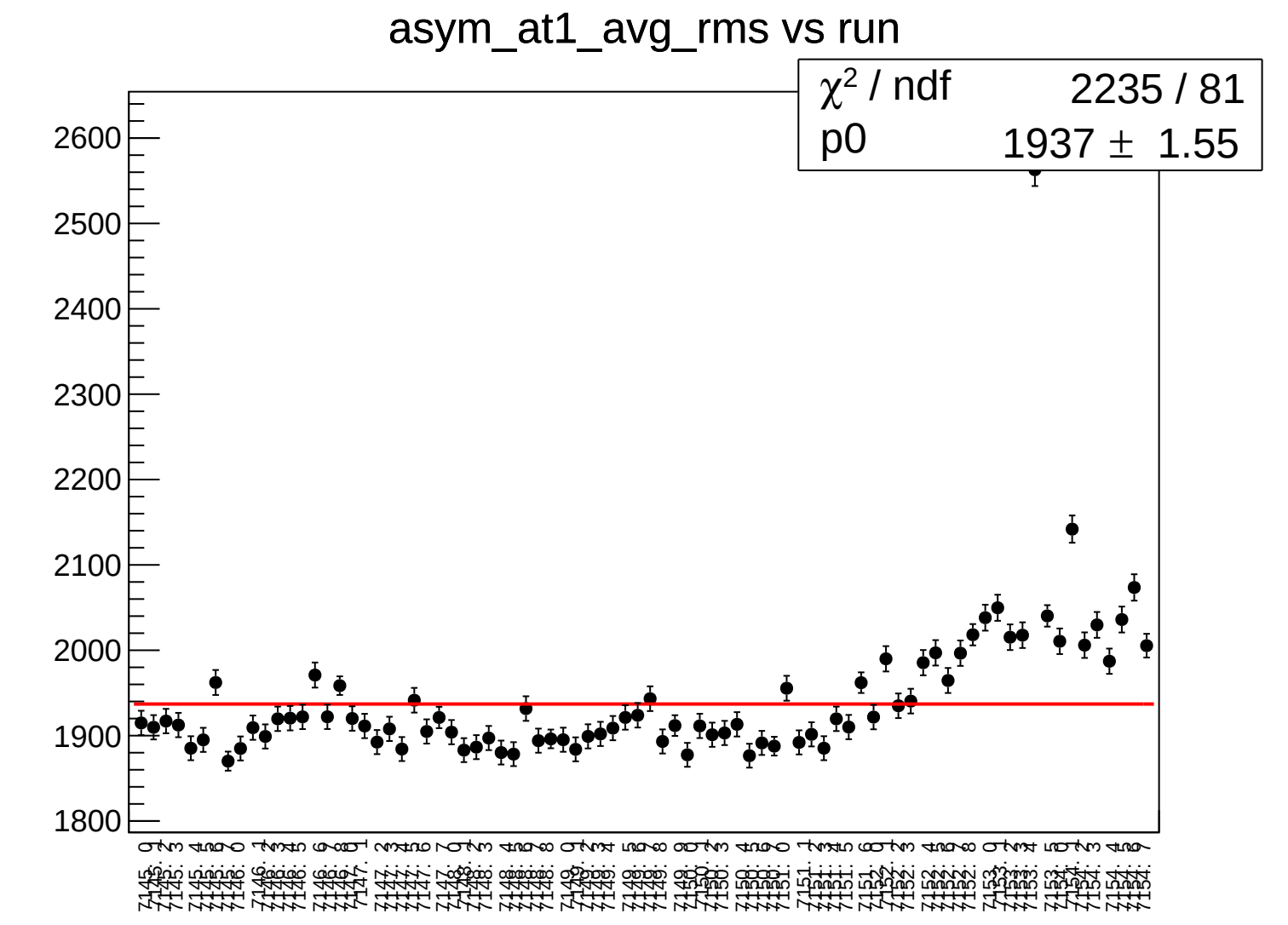

dit_asym_at1_avg_rms vs run
χ^2 / ndf 291.4 / 81
p0 1829 ± 1.463
2050
2000
1950
1900
1850
1800

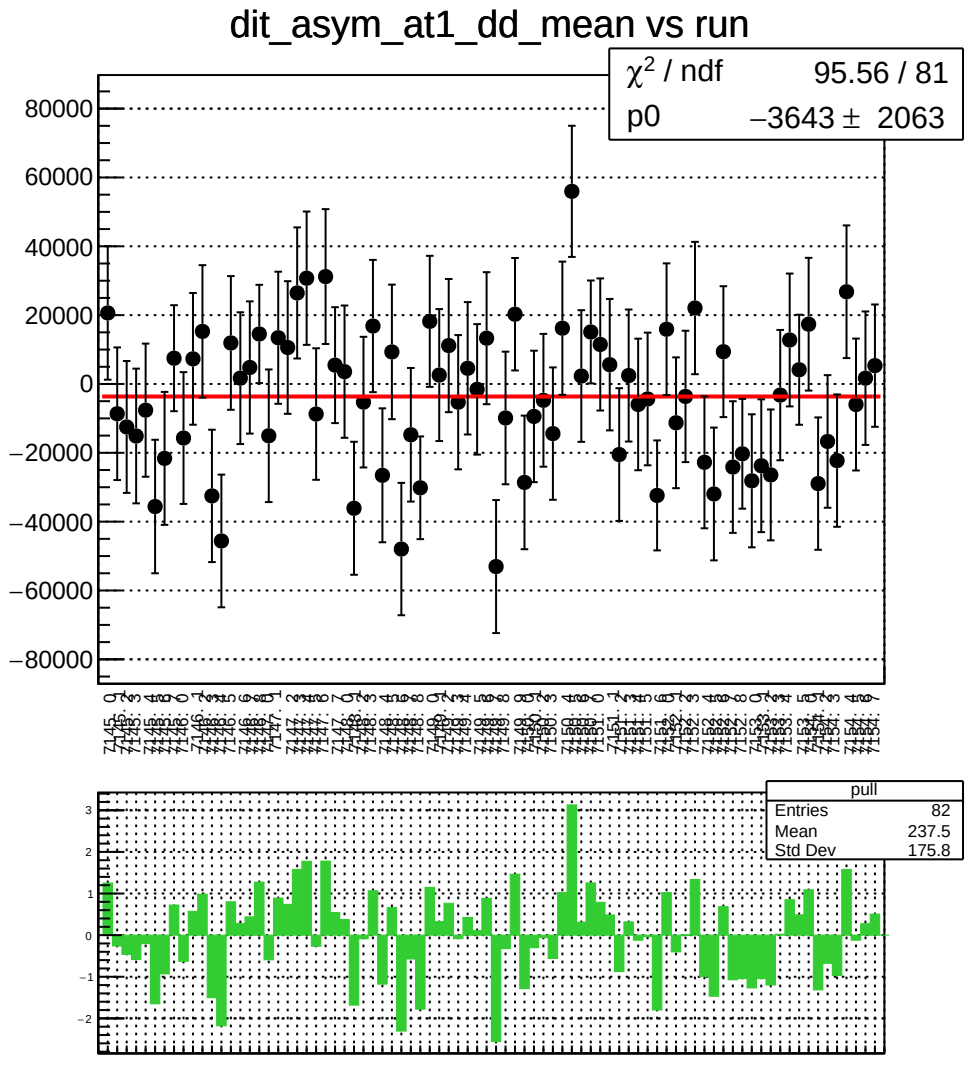

asym_at1_avg_correction_mean vs run
χ² / ndf 56.99 / 81
p0 −140.4 ± 742
pull
Entries 82
Mean 227.8
Std Dev 173
pull1D
Entries 82
Mean 0.01595
Std Dev 0.8335

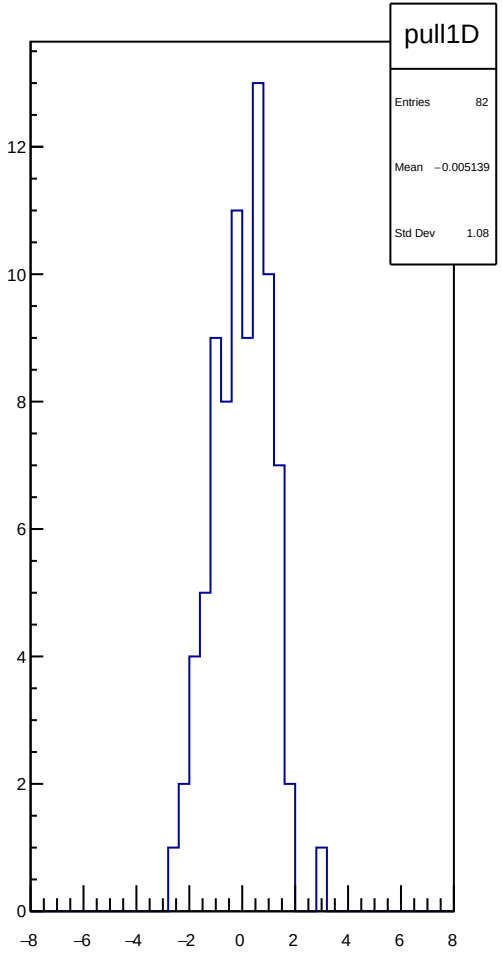

asym_at1_avg_correction_rms vs run
χ² / ndf 4e+04 / 81
p0 647.6 ± 0.5247
1000
900
800
700
600

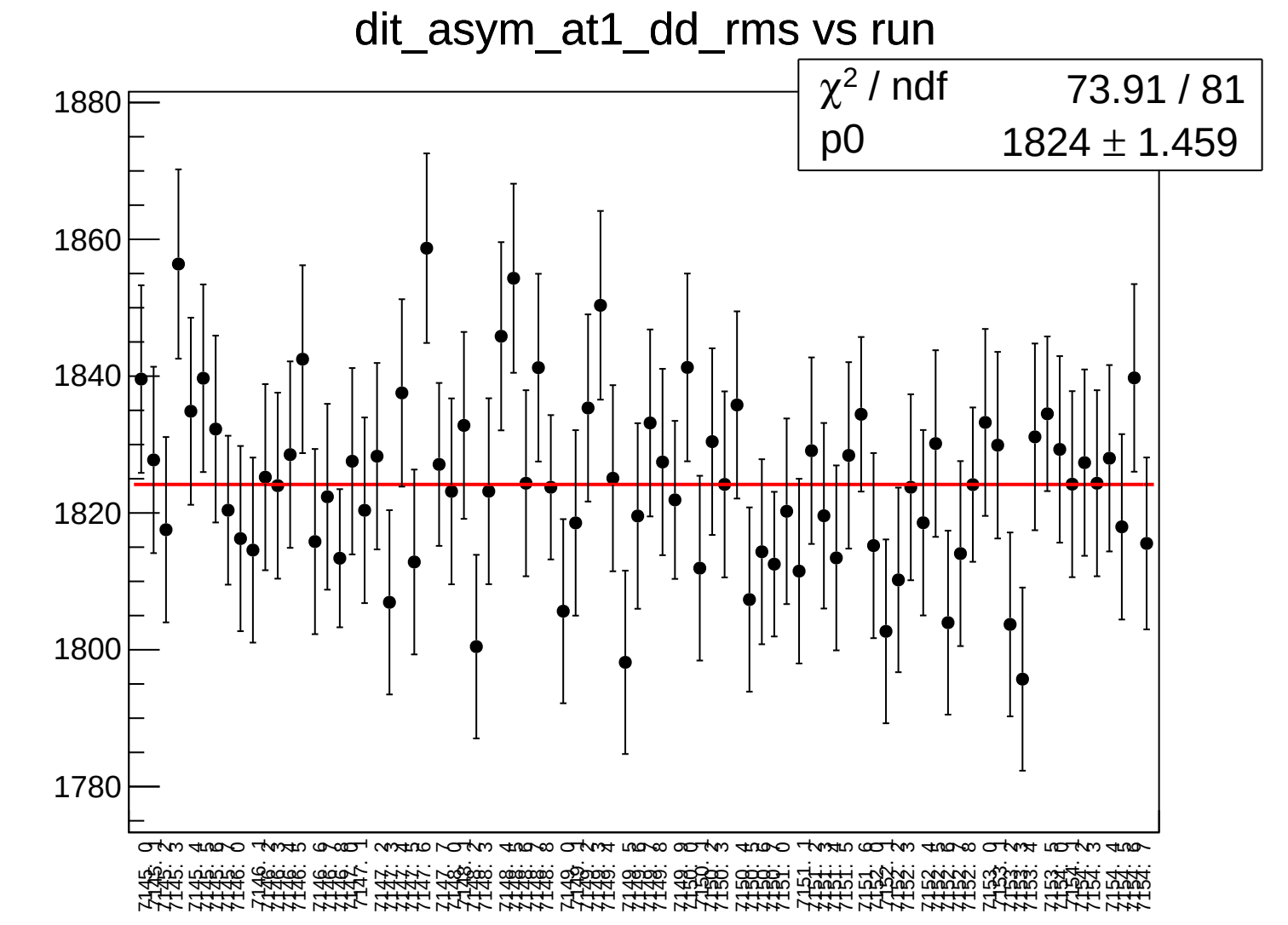

asym_at1_avg_mean vs run
χ² / ndf 57.3 / 81
p0 3038 ± 2192
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1250
Std Dev 1204
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

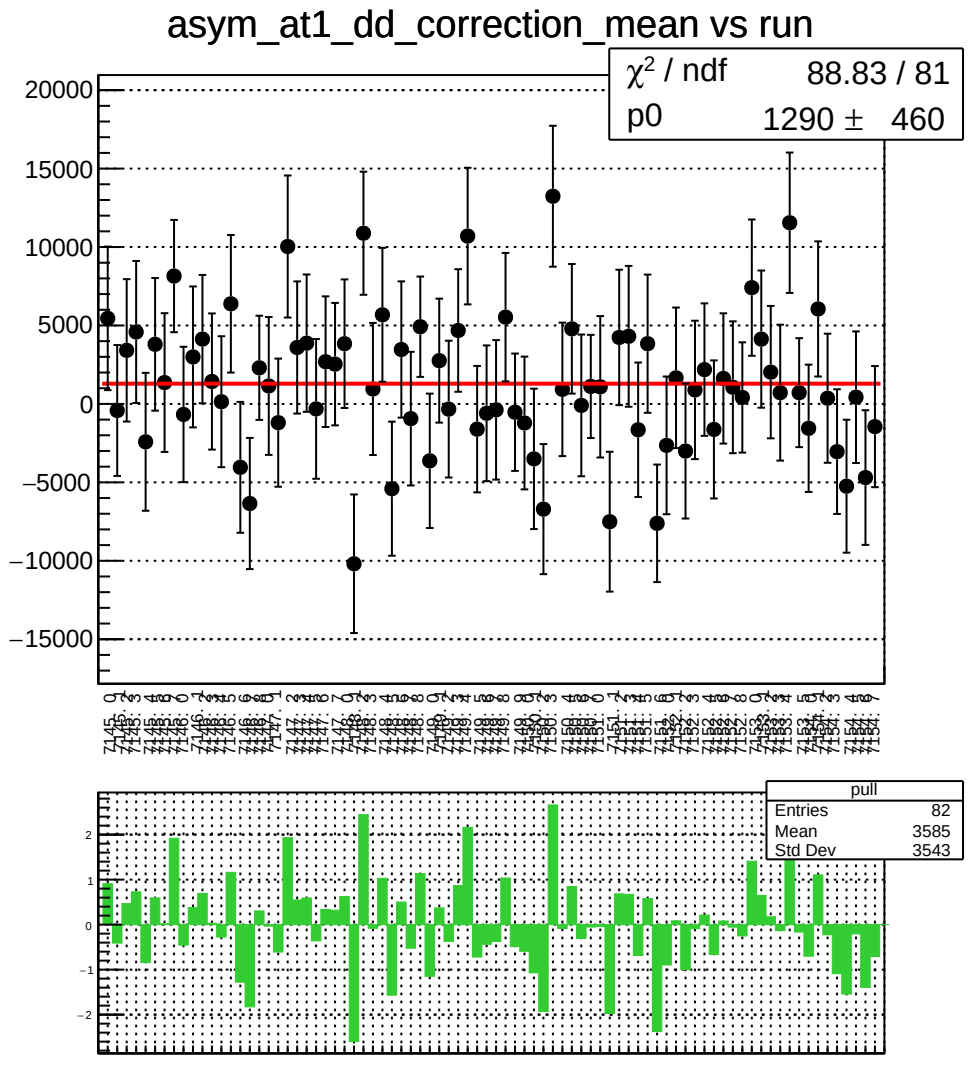

pull1D
Entries 82
Mean 0.002203
Std Dev 0.8359
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

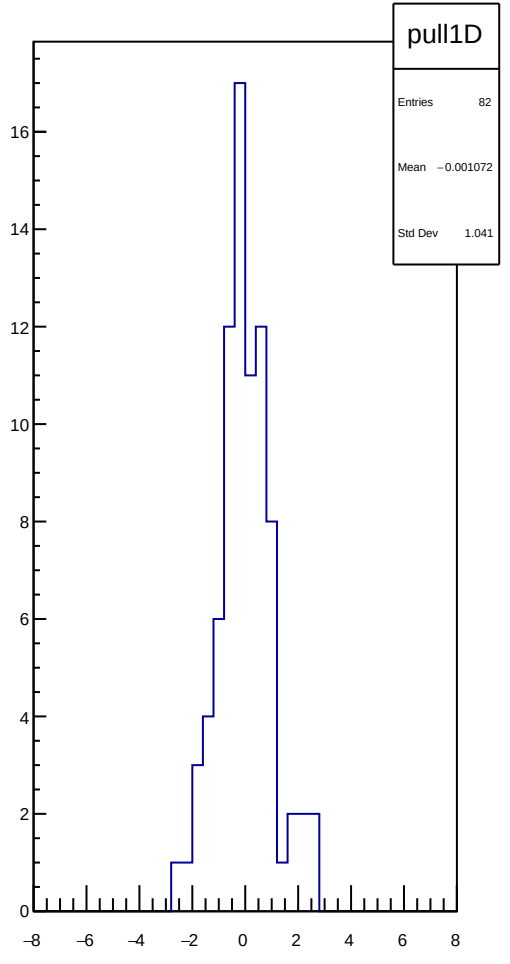

asym_at1_avg_rms vs run
χ² / ndf 2235 / 81
p0 1937 ± 1.55
2600
2500
2400
2300
2200
2100
2000
1900
1800

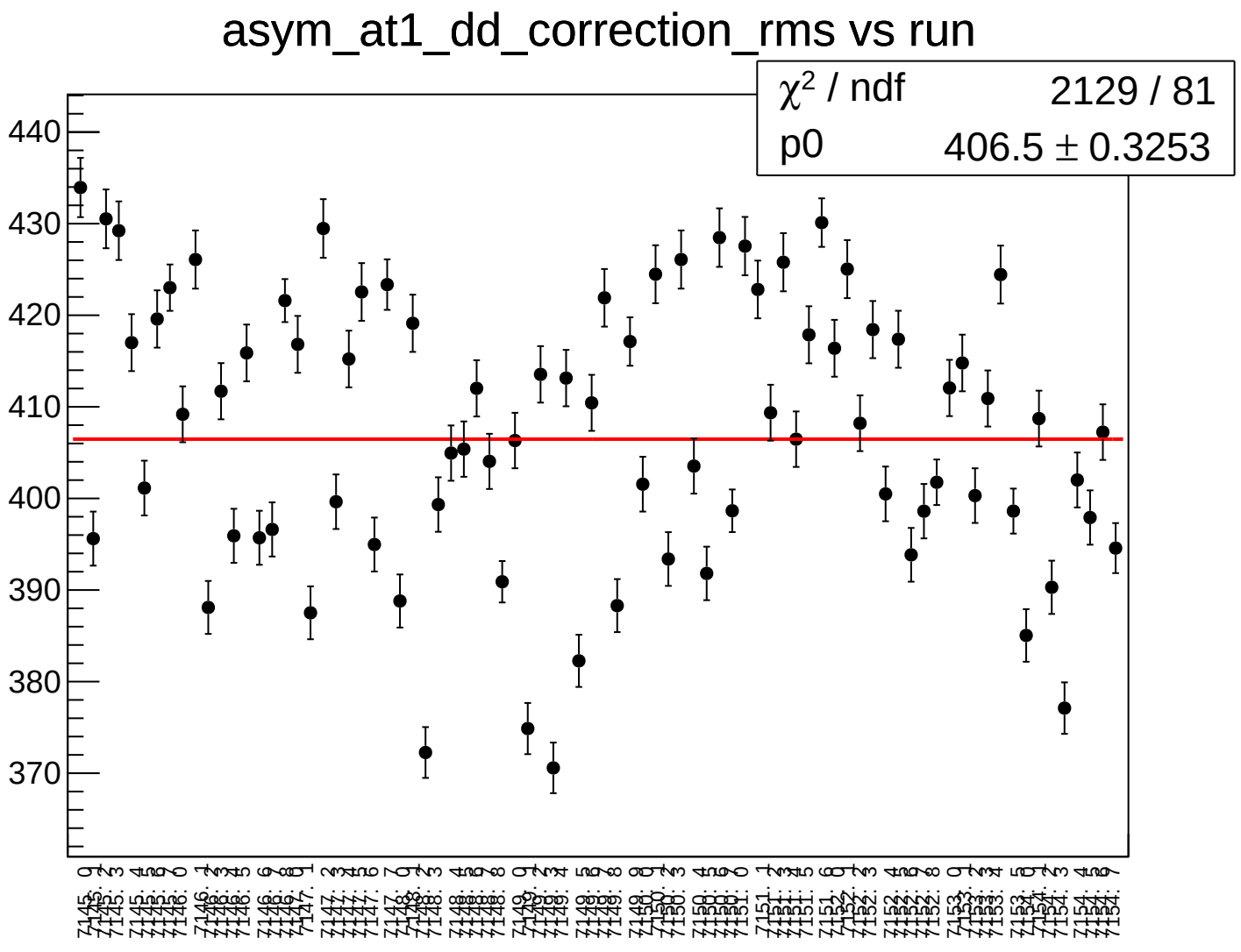

dit_asym_at1_dd_mean vs run
χ² / ndf 95.56 / 81
p0 −3643 ± 2063
pull
Entries 82
Mean 237.5
Std Dev 175.8

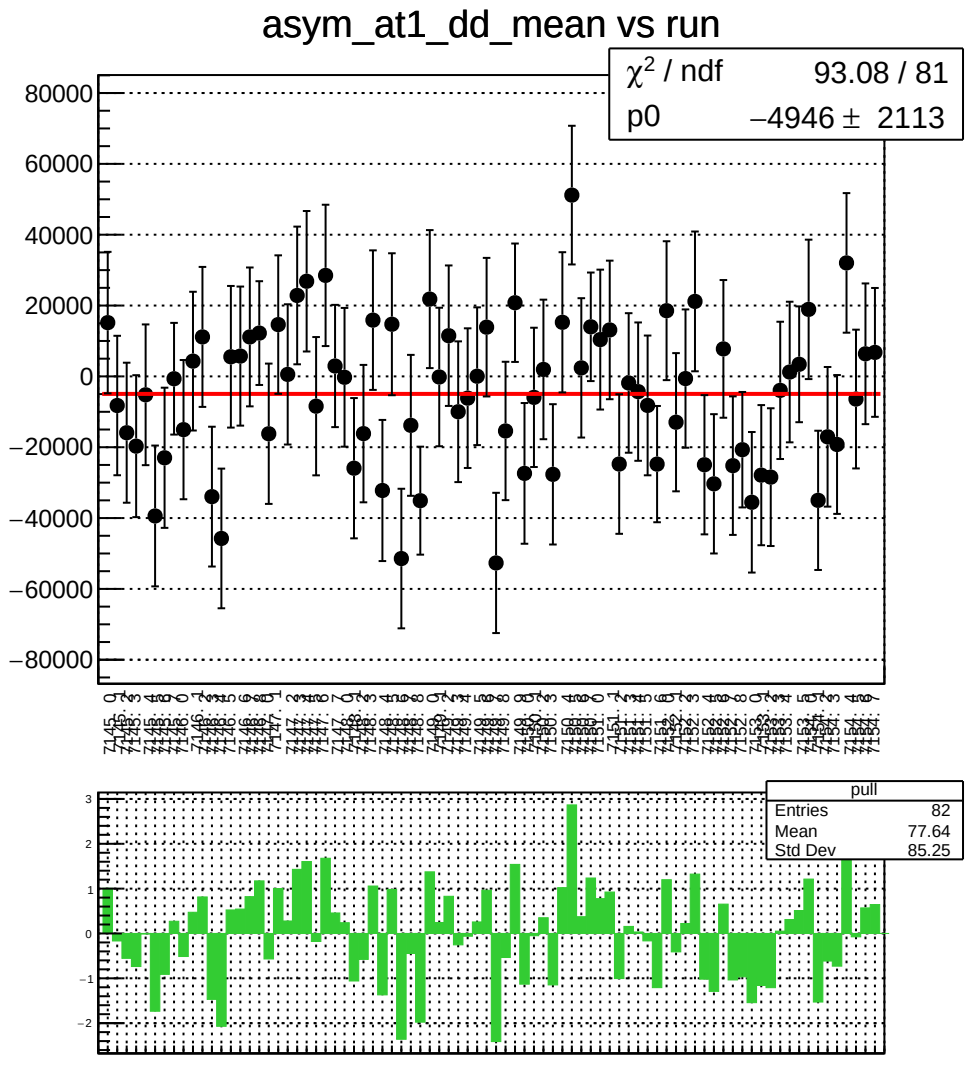

pull1D
Entries 82
Mean −0.005139
Std Dev 1.08

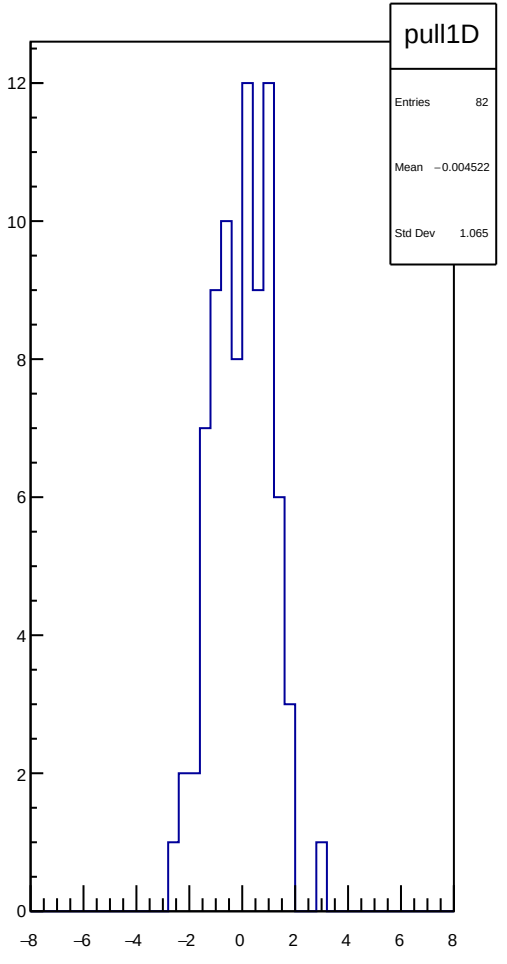

dit_asym_at1_dd_rms vs run
χ^2 / ndf 73.91 / 81
p0 1824 ± 1.459
1880
1860
1840
1820
1800
1780

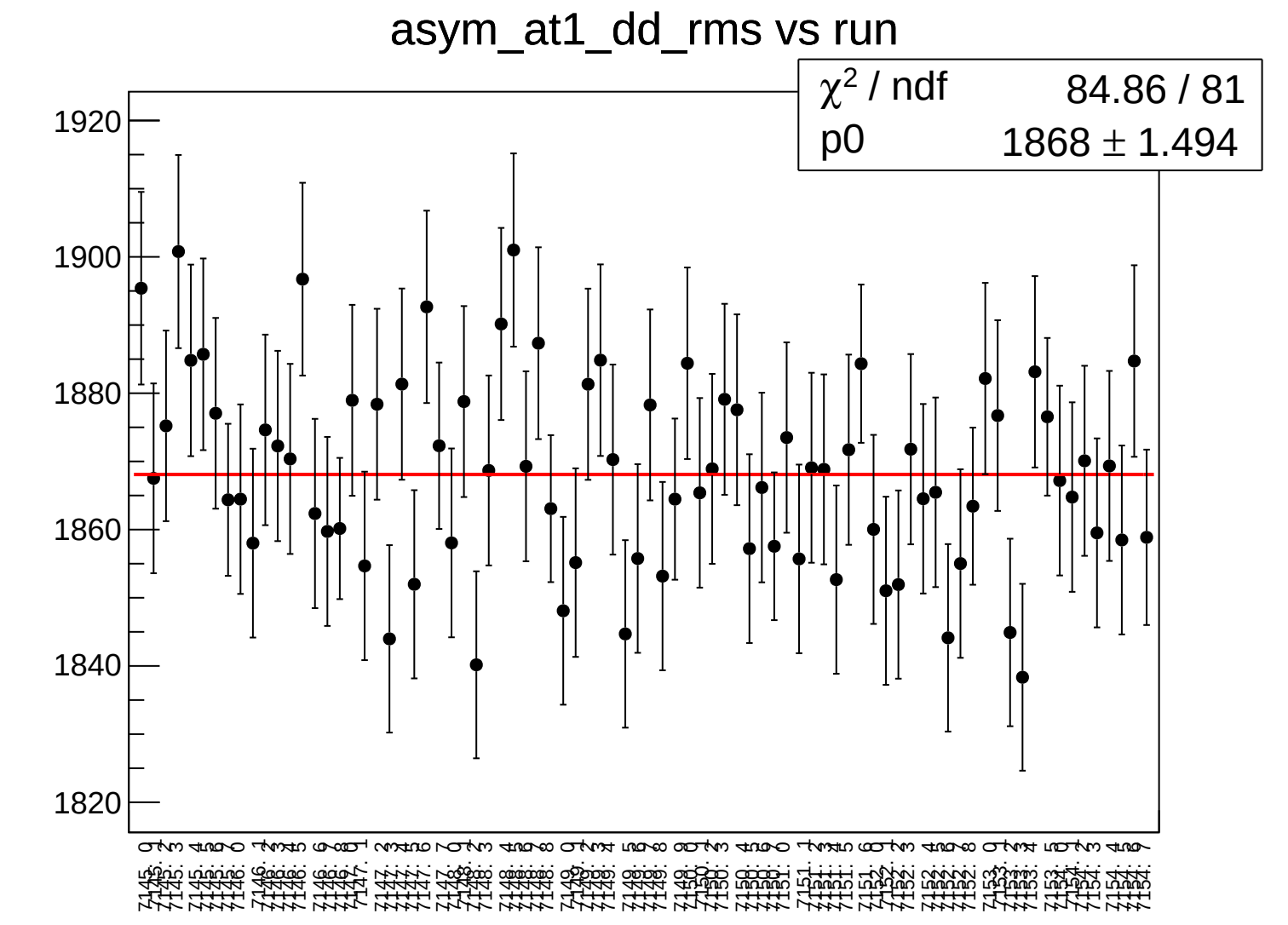

asym_at1_dd_correction_mean vs run
χ² / ndf 88.83 / 81
p0 1290 ± 460
pull
Entries 82
Mean 3585
Std Dev 3543

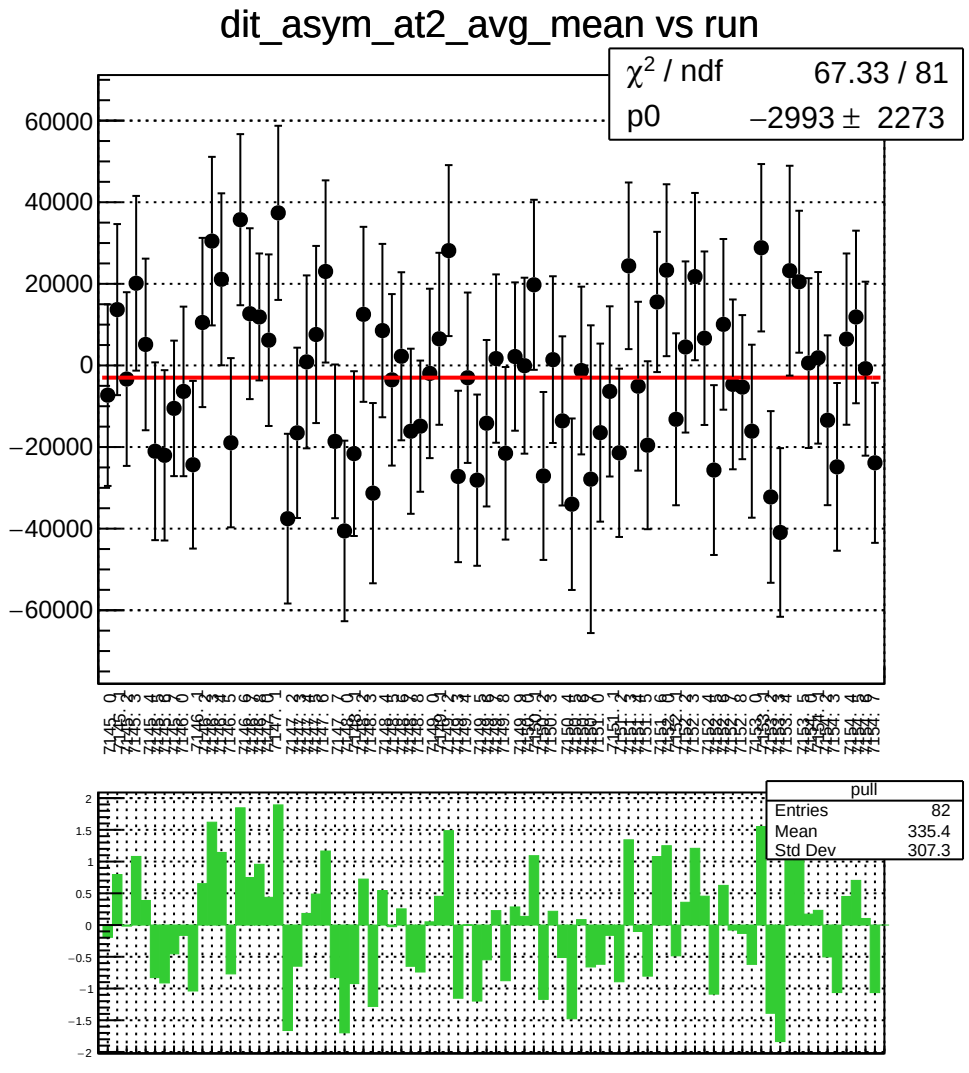

pull1D
Entries 82
Mean −0.001072
Std Dev 1.041

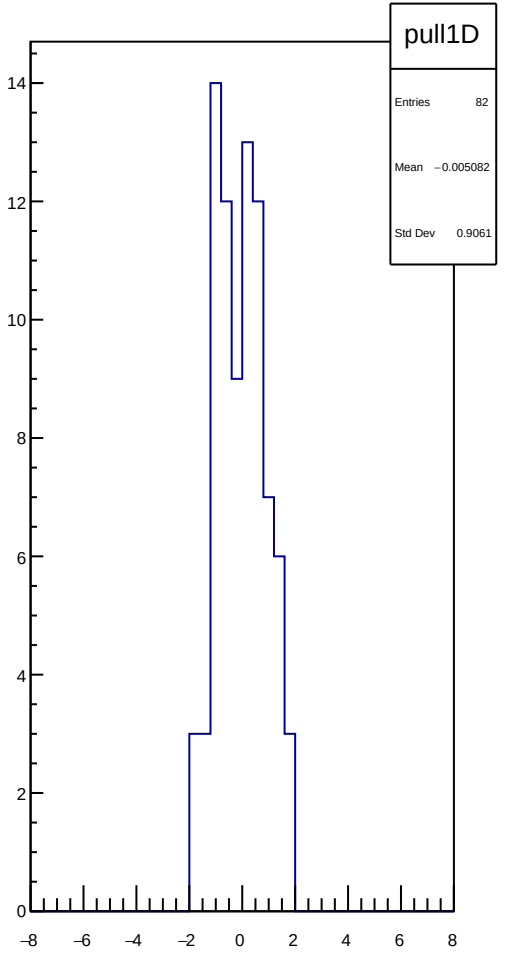

asym_at1_dd_correction_rms vs run
χ² / ndf 2129 / 81
p0 406.5 ± 0.3253
440
430
420
410
400
390
380
370

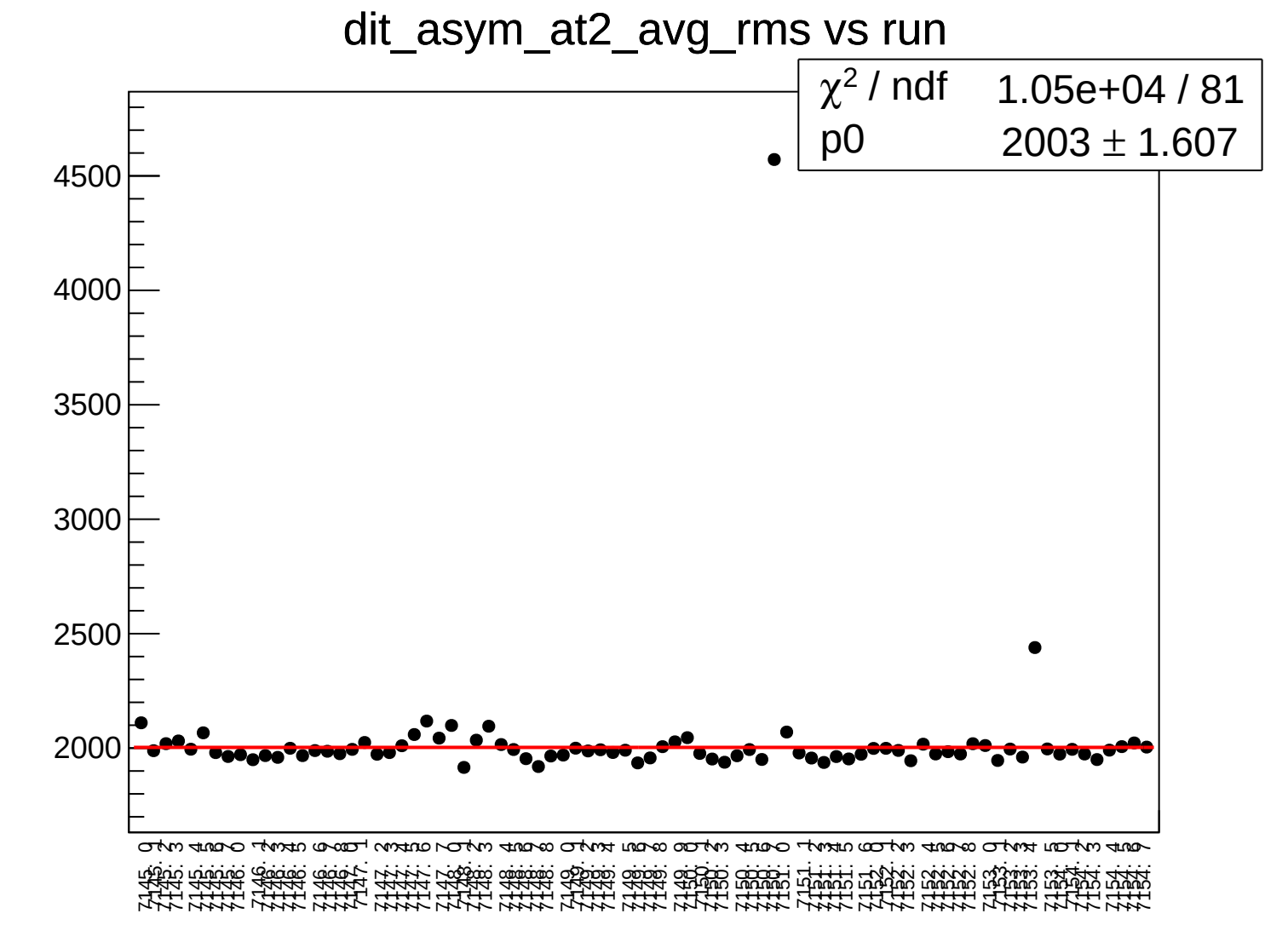

asym_at1_dd_mean vs run
χ² / ndf 93.08 / 81
p0 −4946 ± 2113
pull
Entries 82
Mean 77.64
Std Dev 85.25

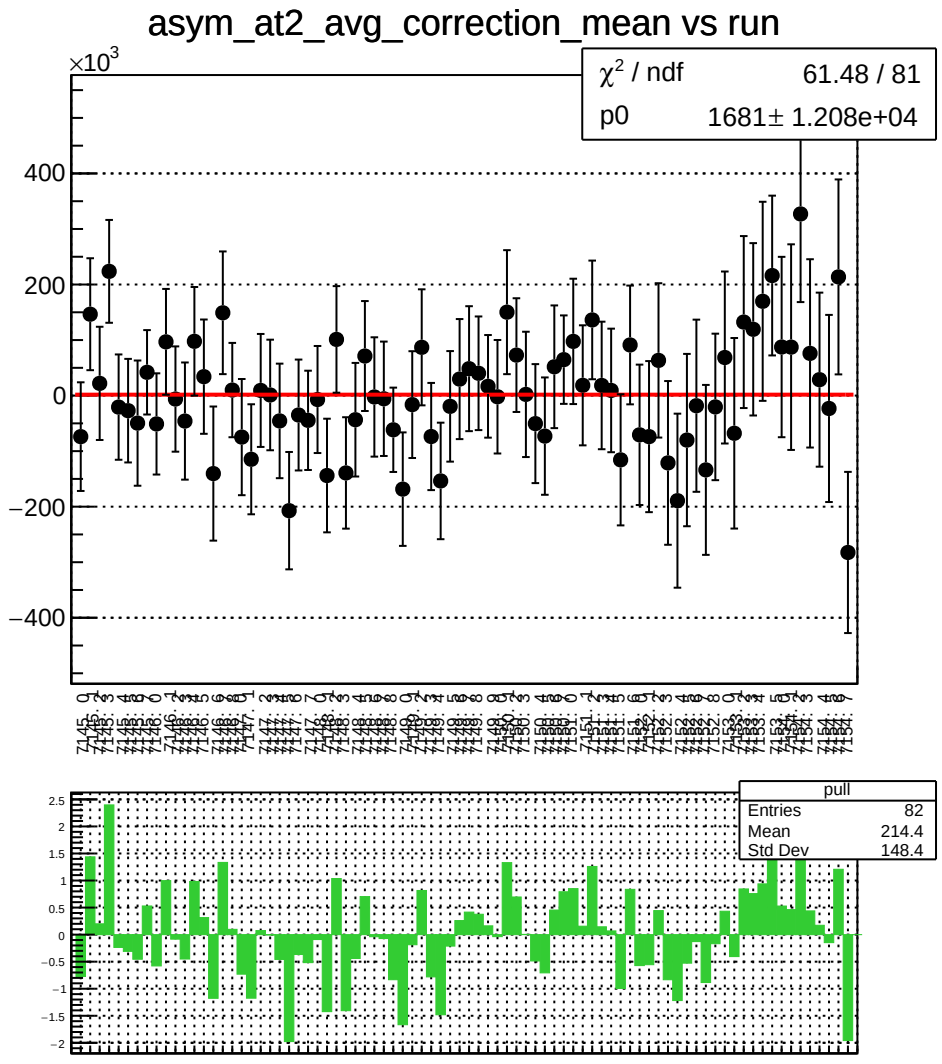

pull1D
Entries 82
Mean −0.004522
Std Dev 1.065

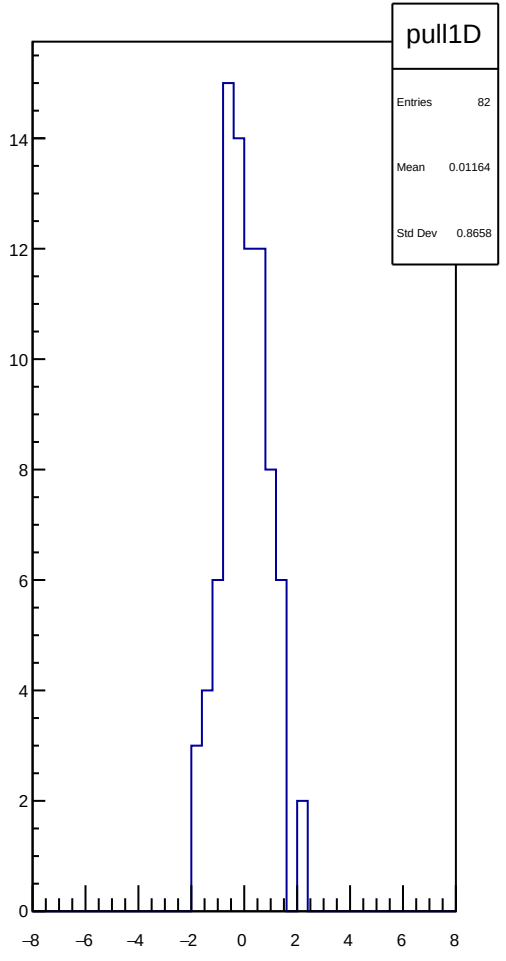

asym_at1_dd_rms vs run
χ^2 / ndf 84.86 / 81
p0 1868 ± 1.494
1920
1900
1880
1860
1840
1820

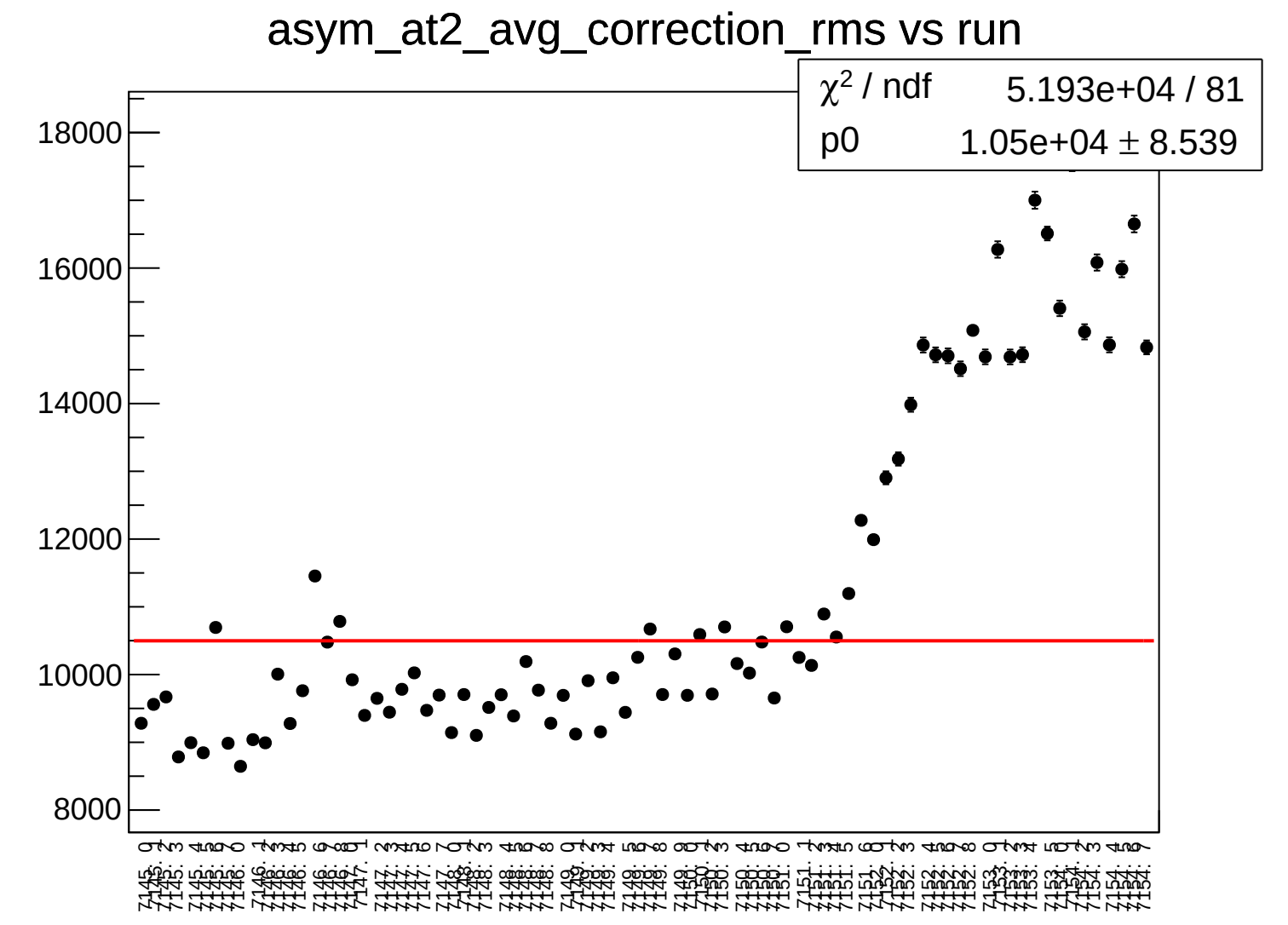

dit_asym_at2_avg_mean vs run
χ² / ndf 67.33 / 81
p0 −2993 ± 2273
pull
Entries 82
Mean 335.4
Std Dev 307.3

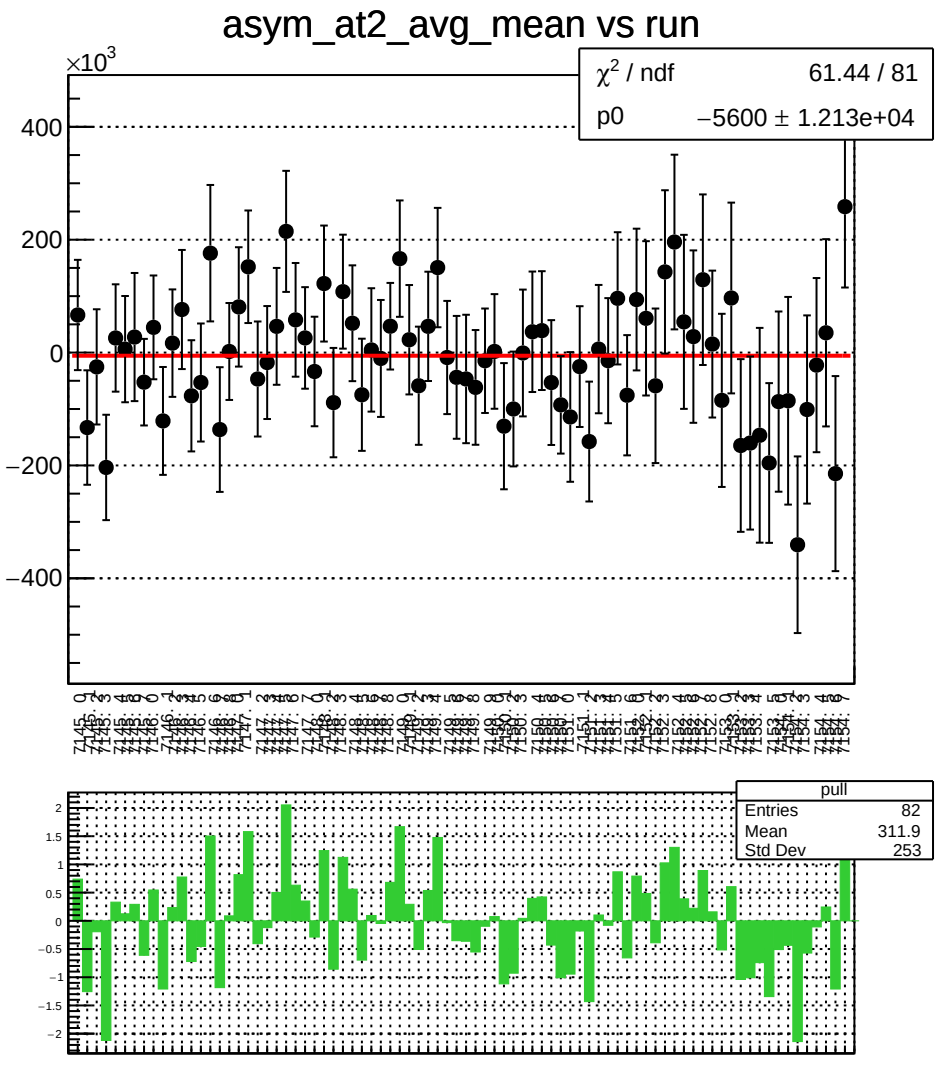

pull1D
Entries 82
Mean −0.005082
Std Dev 0.9061

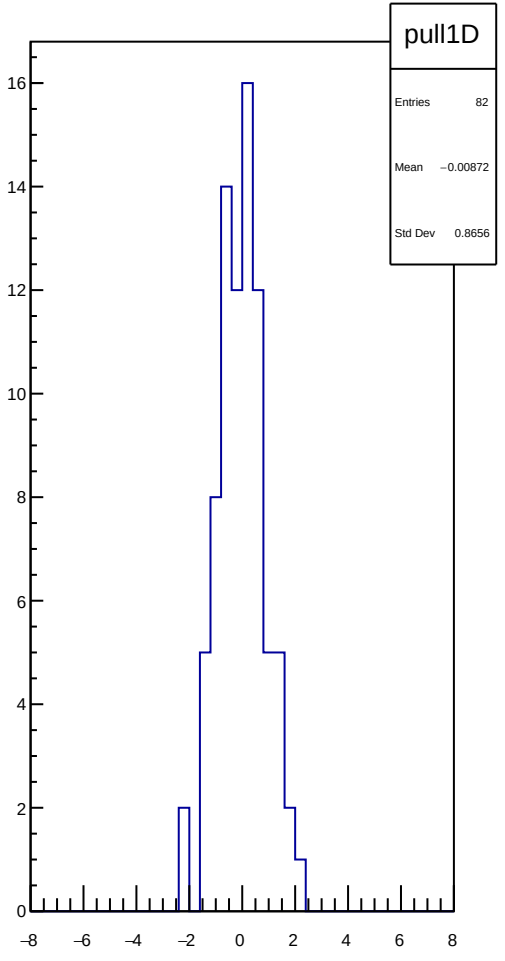

dit_asym_at2_avg_rms vs run
χ² / ndf 1.05e+04 / 81
p0 2003 ± 1.607
4500
4000
3500
3000
2500
2000

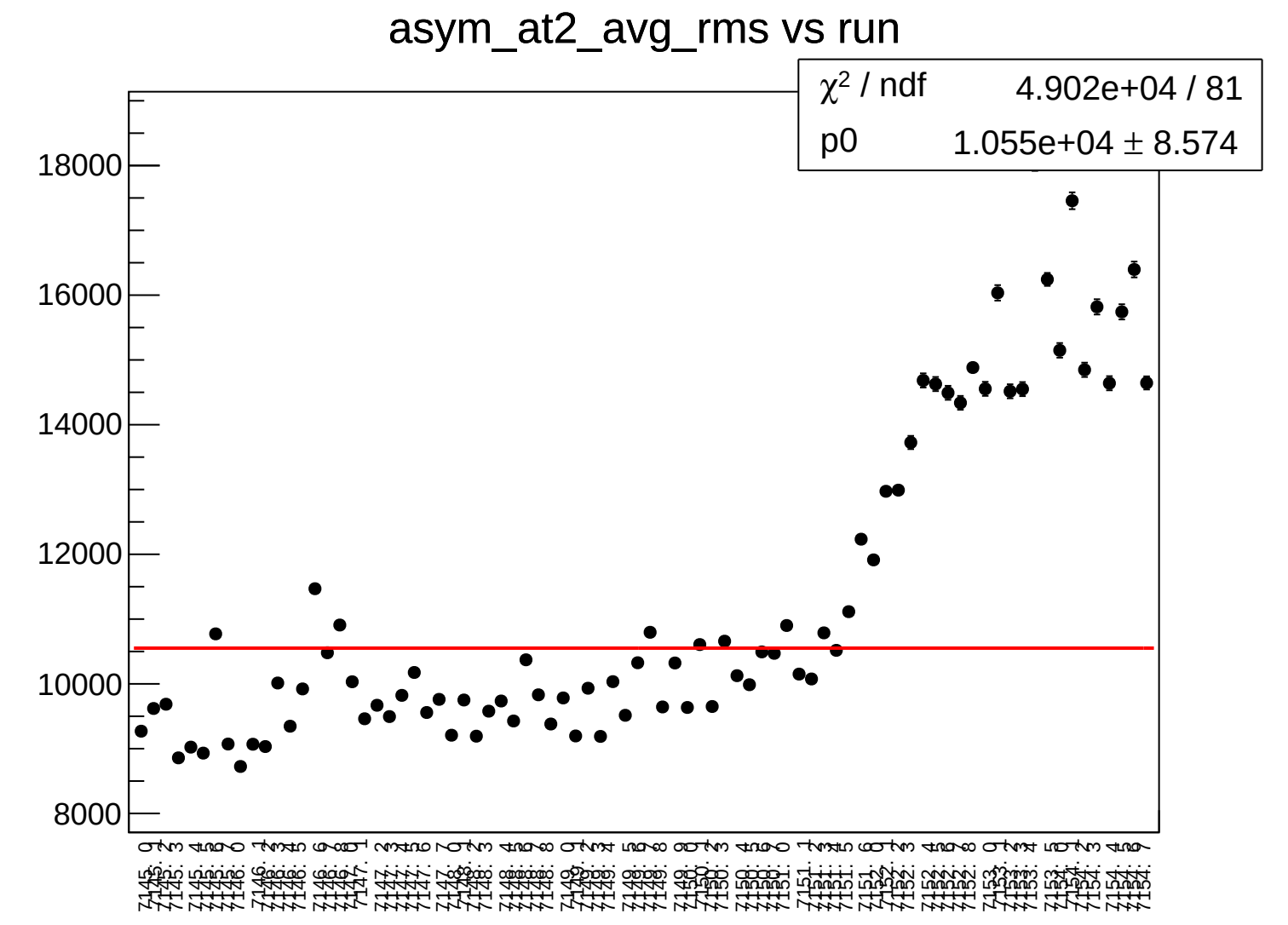

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 61.48 / 81
p0 1681± 1.208e+04
400
200
0
−200
−400
pull
Entries 82
Mean 214.4
Std Dev 148.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

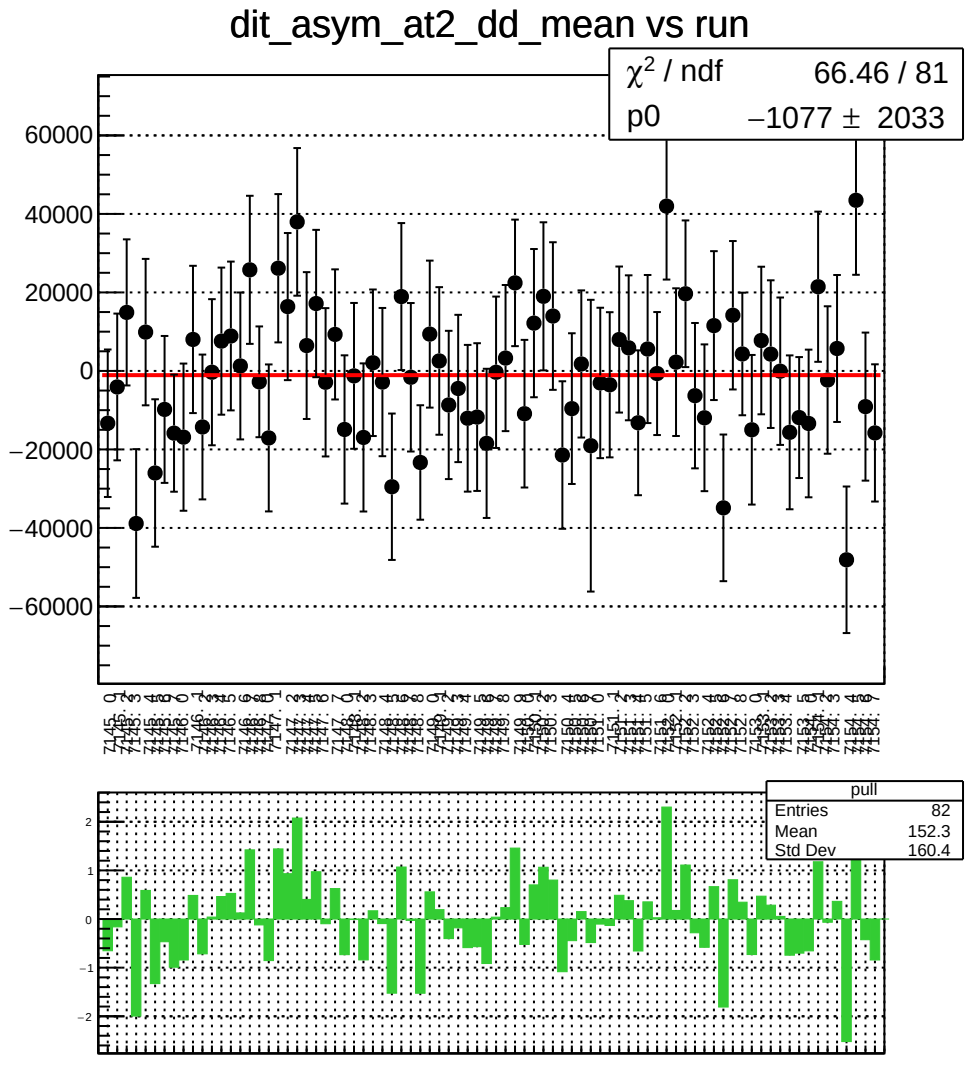

pull1D
Entries 82
Mean 0.01164
Std Dev 0.8658
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

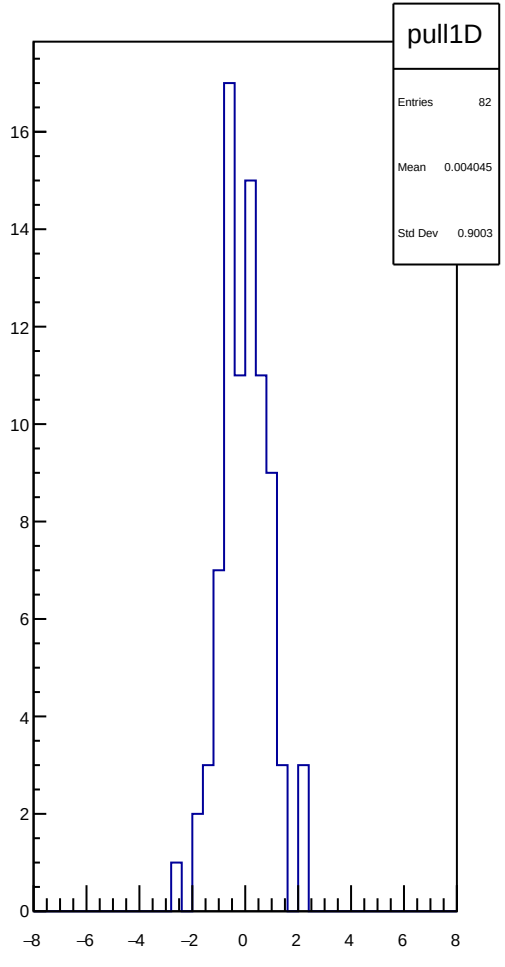

asym_at2_avg_correction_rms vs run
χ² / ndf 5.193e+04 / 81
p0 1.05e+04 ± 8.539
18000
16000
14000
12000
10000
8000

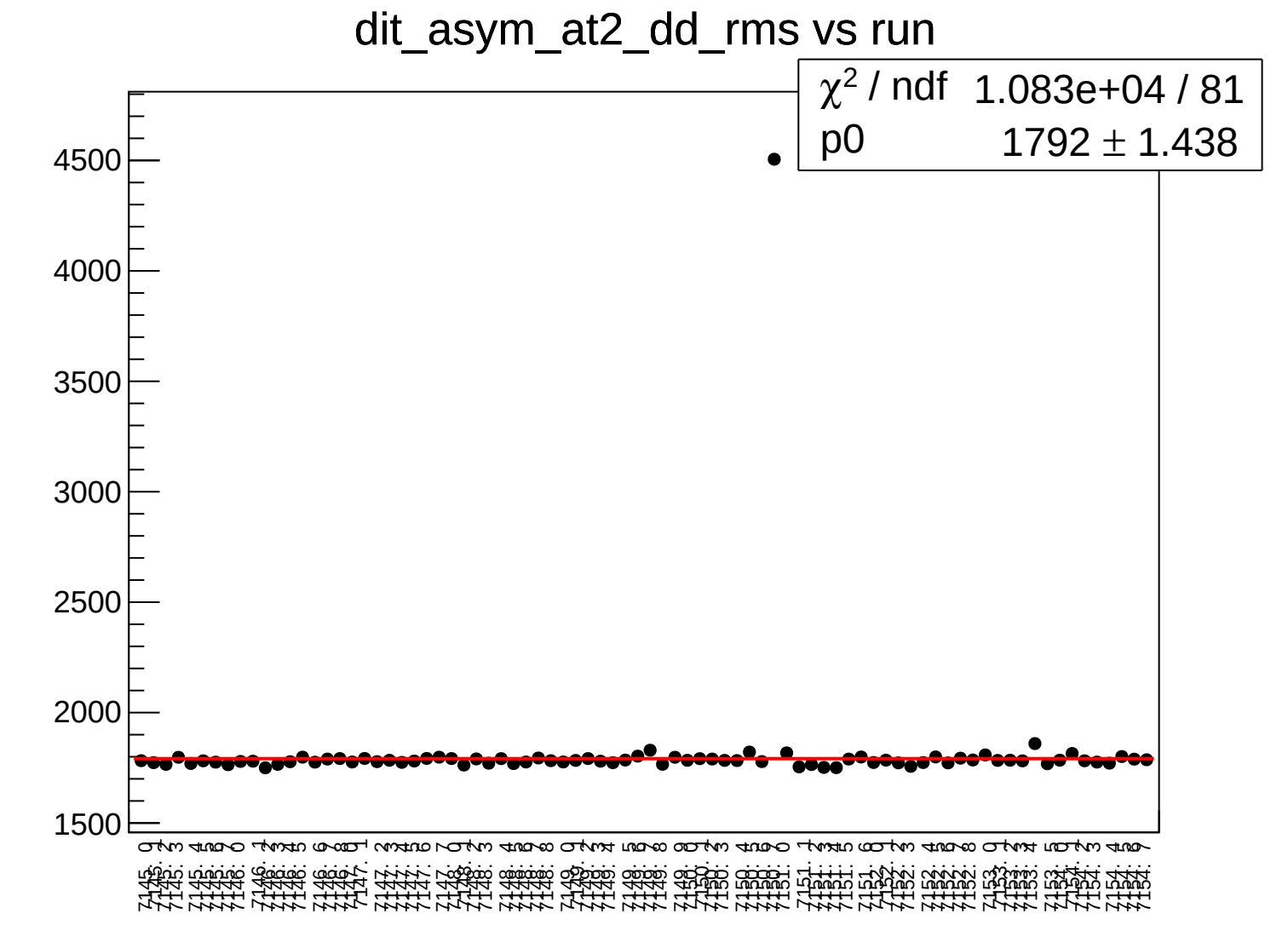

asym_at2_avg_mean vs run
×10^3
χ² / ndf 61.44 / 81
p0 −5600 ± 1.213e+04
400
200
0
−200
−400
pull
Entries 82
Mean 311.9
Std Dev 253
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

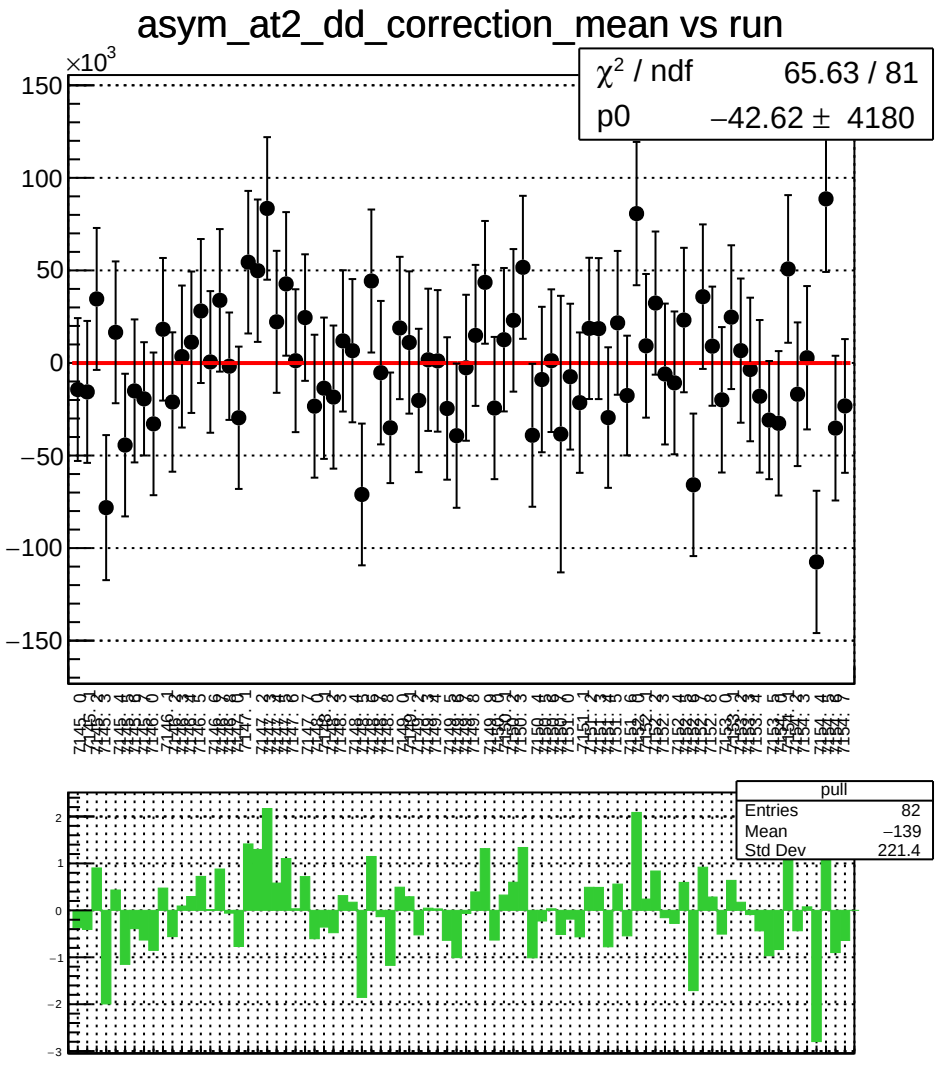

pull1D
Entries 82
Mean −0.00872
Std Dev 0.8656
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

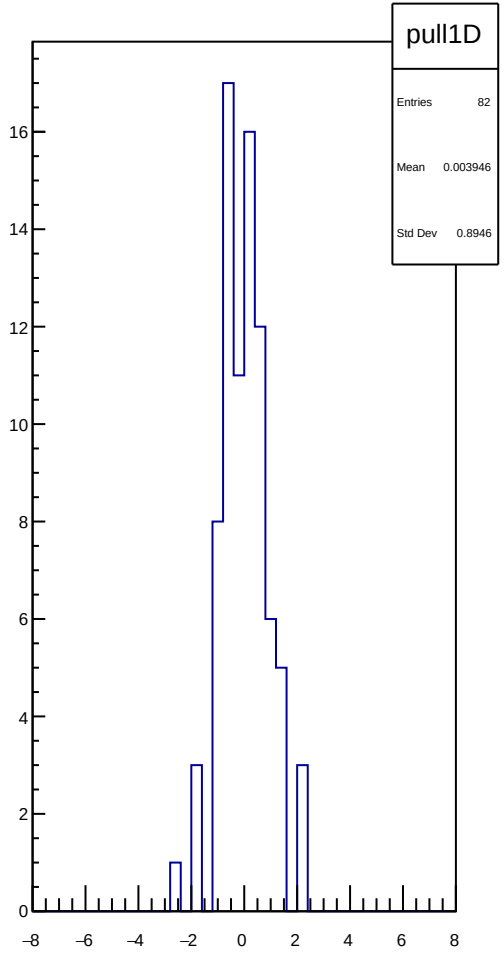

asym_at2_avg_rms vs run
χ² / ndf 4.902e+04 / 81
p0 1.055e+04 ± 8.574
18000
16000
14000
12000
10000
8000

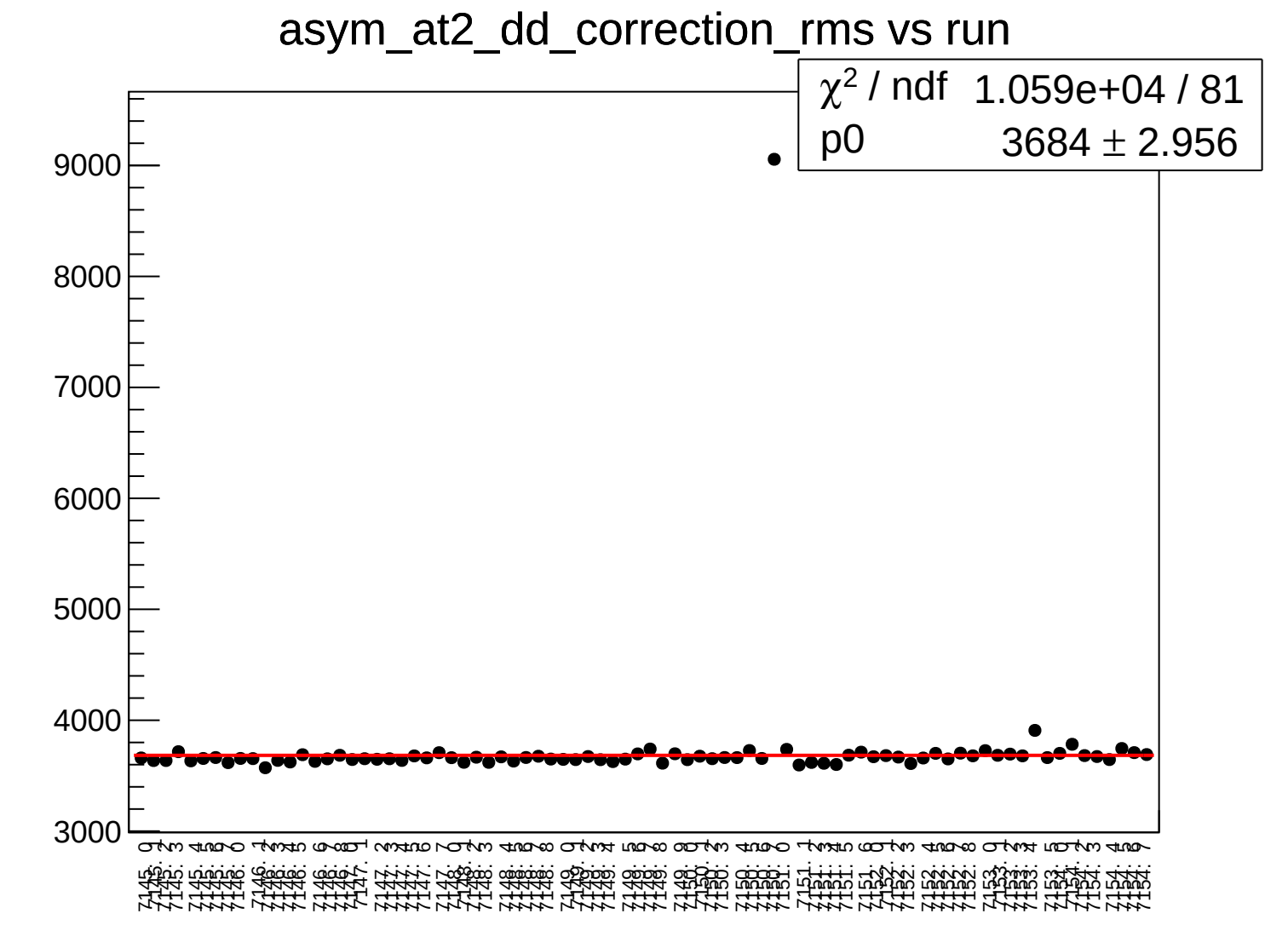

dit_asym_at2_dd_mean vs run
χ² / ndf 66.46 / 81
p0 −1077 ± 2033
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 152.3
Std Dev 160.4
2
1
0
−1
−2

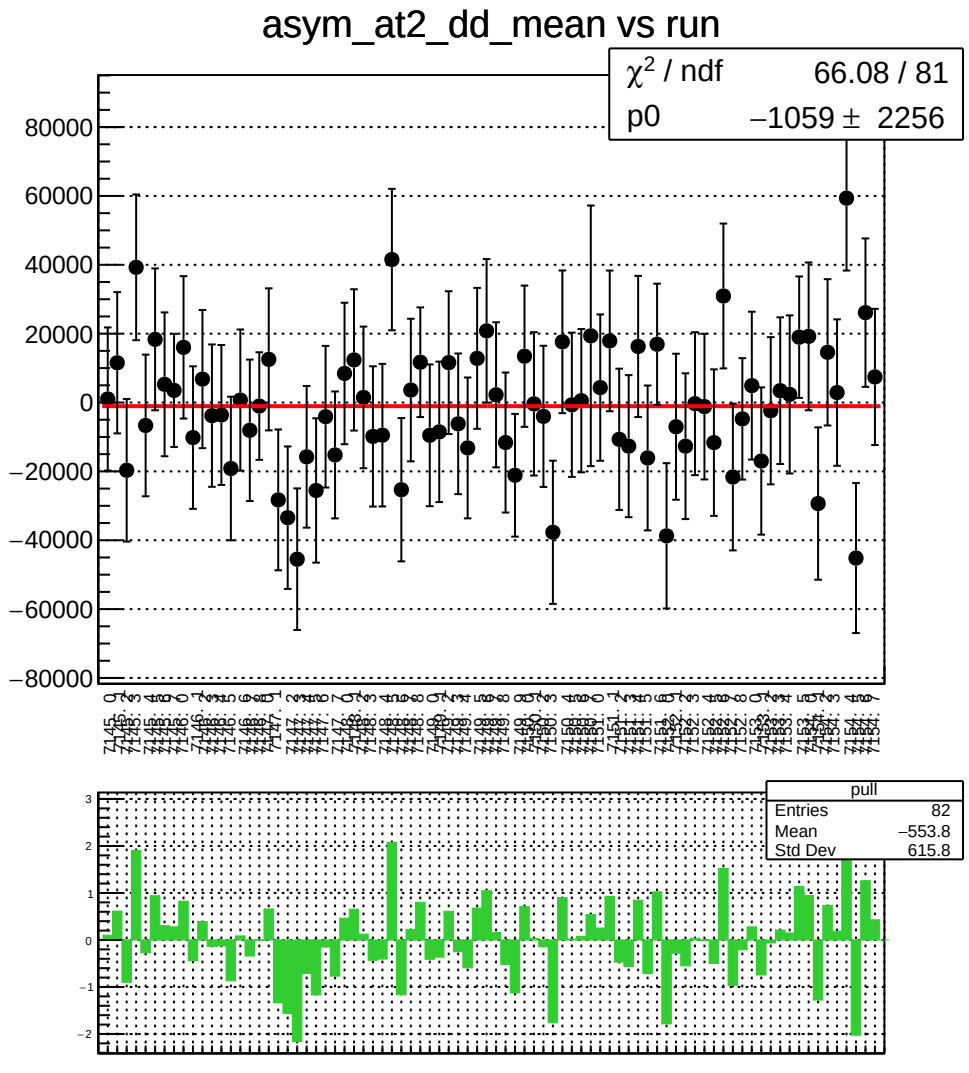

pull1D
Entries 82
Mean 0.004045
Std Dev 0.9003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

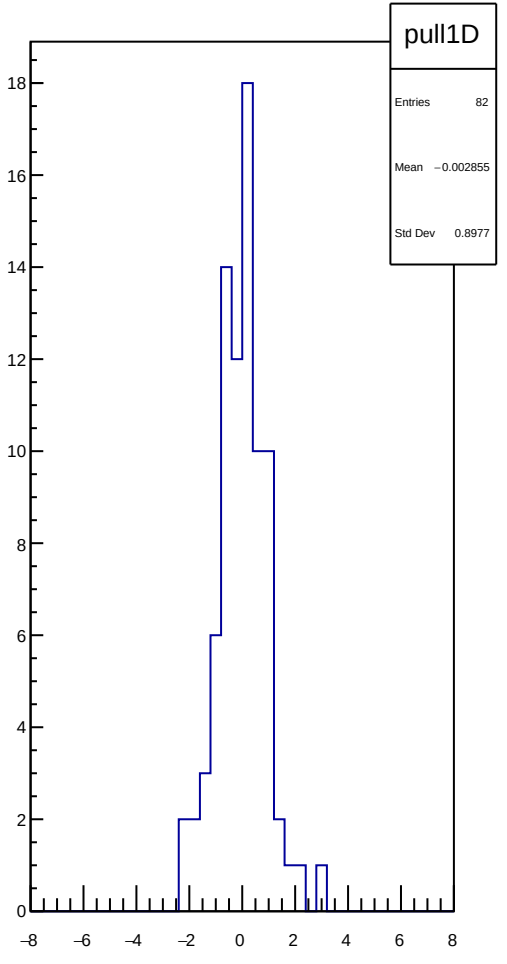

dit_asym_at2_dd_rms vs run
χ² / ndf 1.083e+04 / 81
p0 1792 ± 1.438
4500
4000
3500
3000
2500
2000
1500

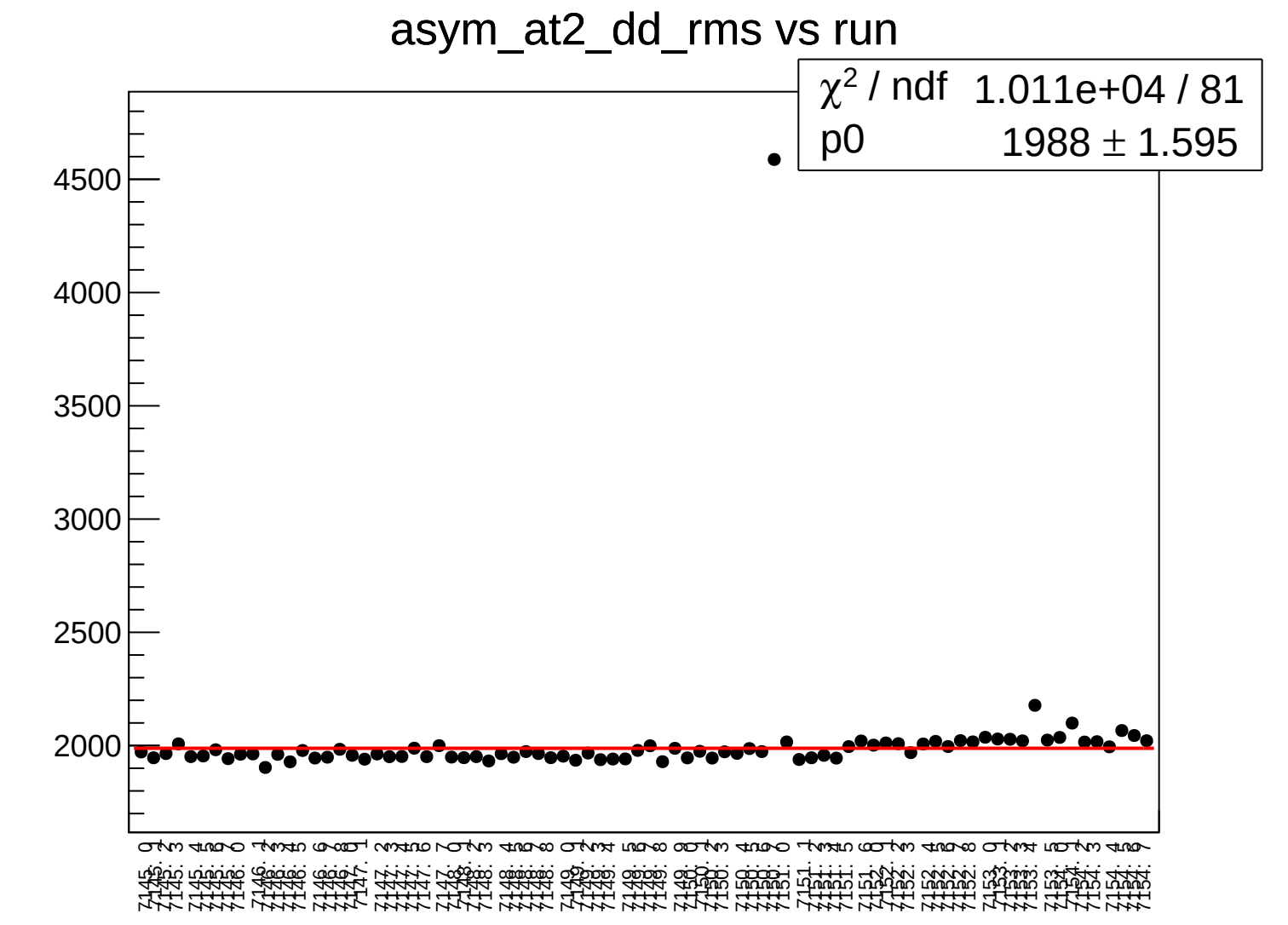

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 65.63 / 81
p0 −42.62 ± 4180
150
100
50
0
−50
−100
−150
pull
Entries 82
Mean −139
Std Dev 221.4
2
1
0
−1
−2
−3

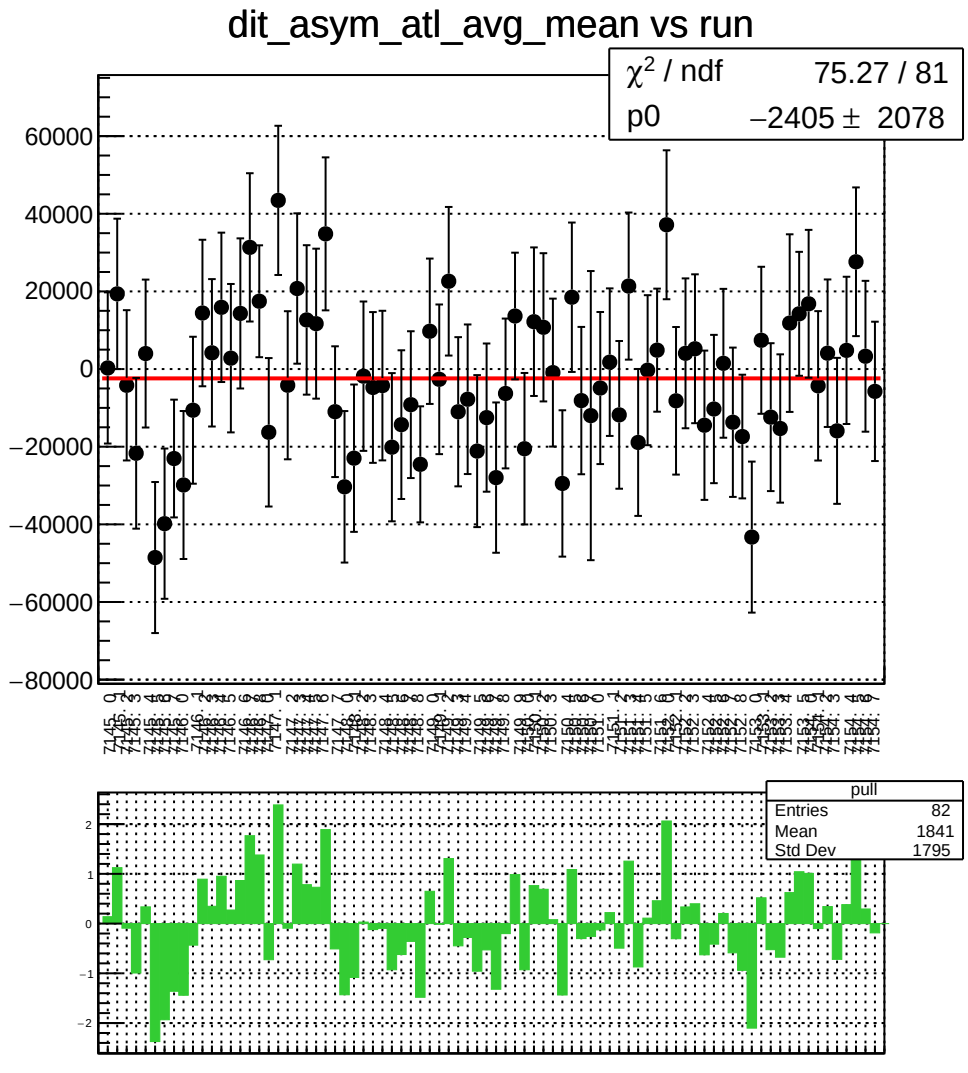

pull1D
Entries 82
Mean 0.003946
Std Dev 0.8946
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

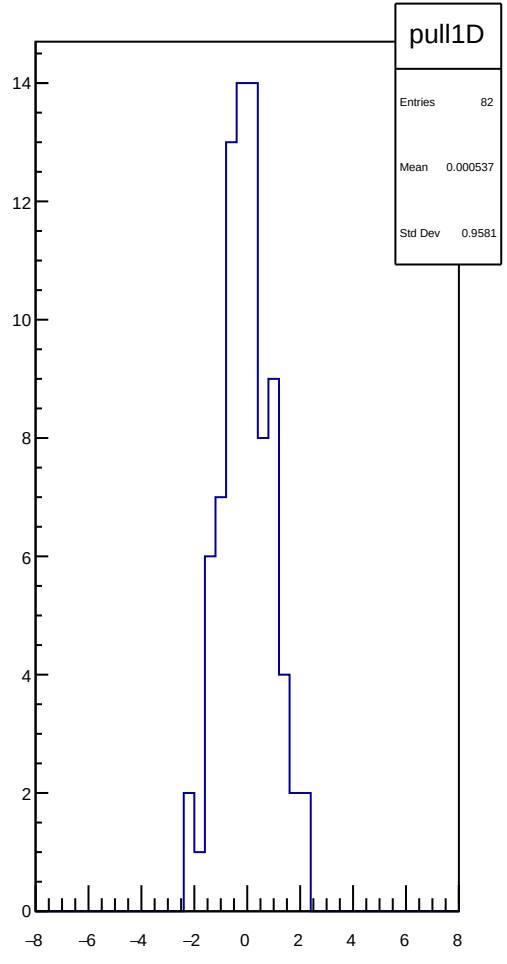

asym_at2_dd_correction_rms vs run
χ² / ndf 1.059e+04 / 81
p0 3684 ± 2.956
9000
8000
7000
6000
5000
4000
3000

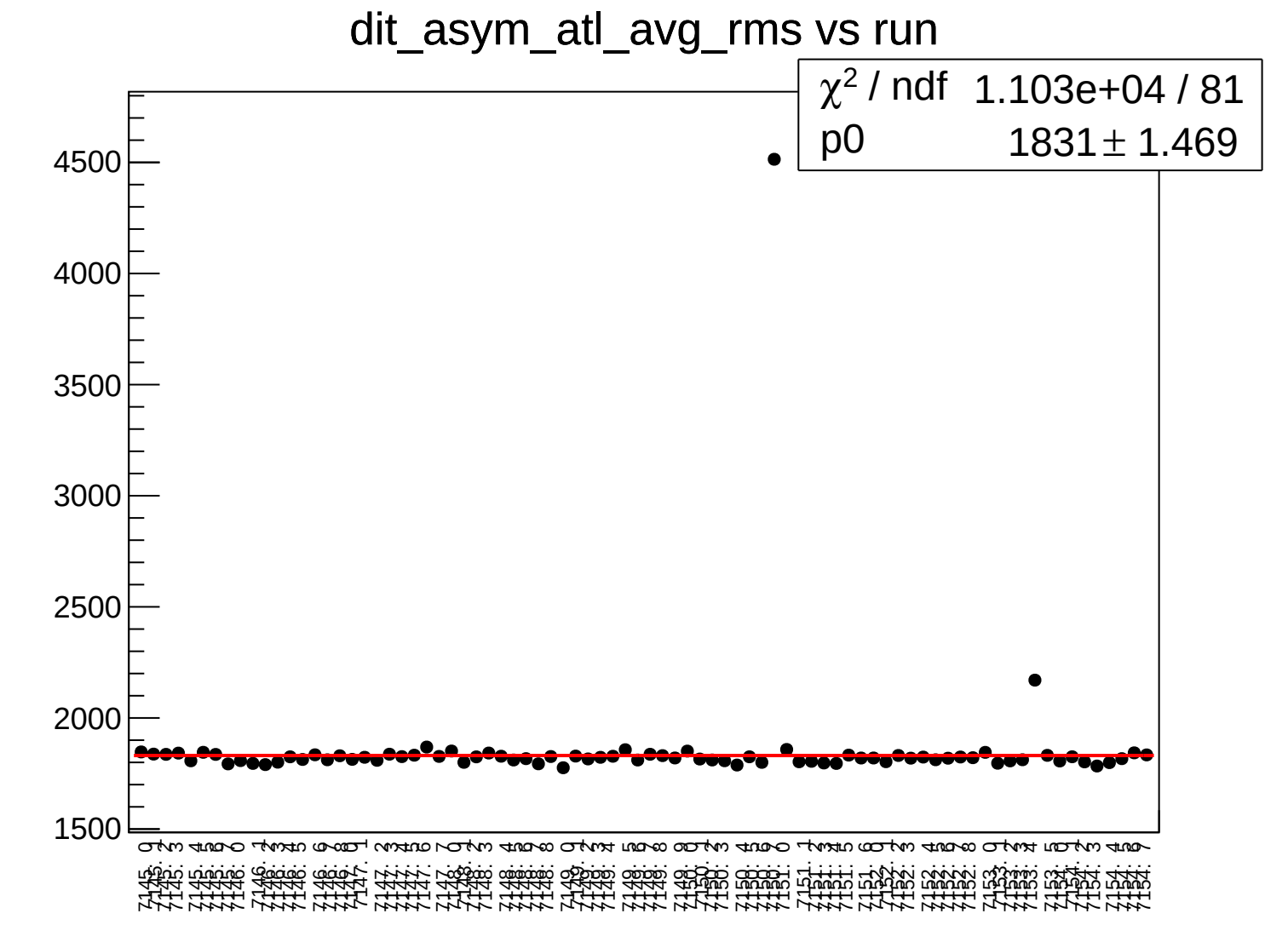

asym_at2_dd_mean vs run
χ² / ndf 66.08 / 81
p0 −1059 ± 2256
pull
Entries 82
Mean −553.8
Std Dev 615.8

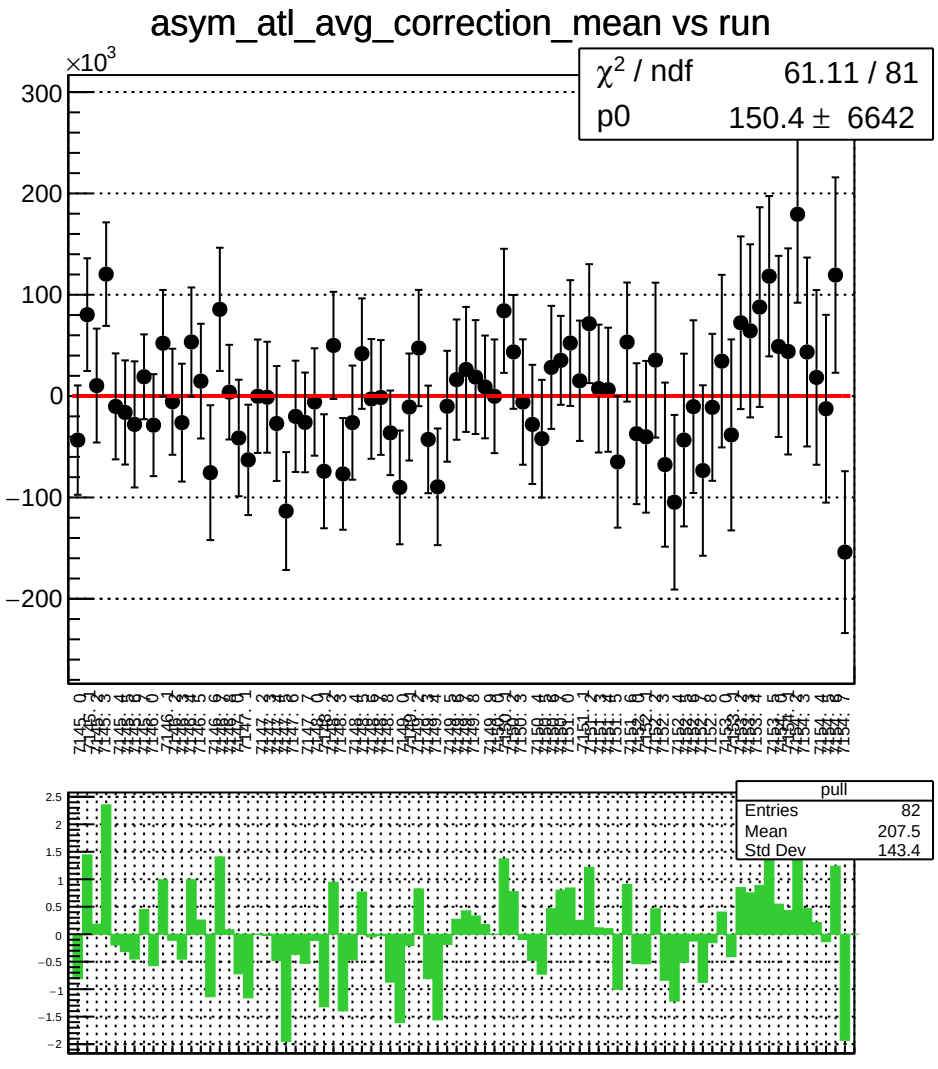

pull1D
Entries 82
Mean −0.002855
Std Dev 0.8977

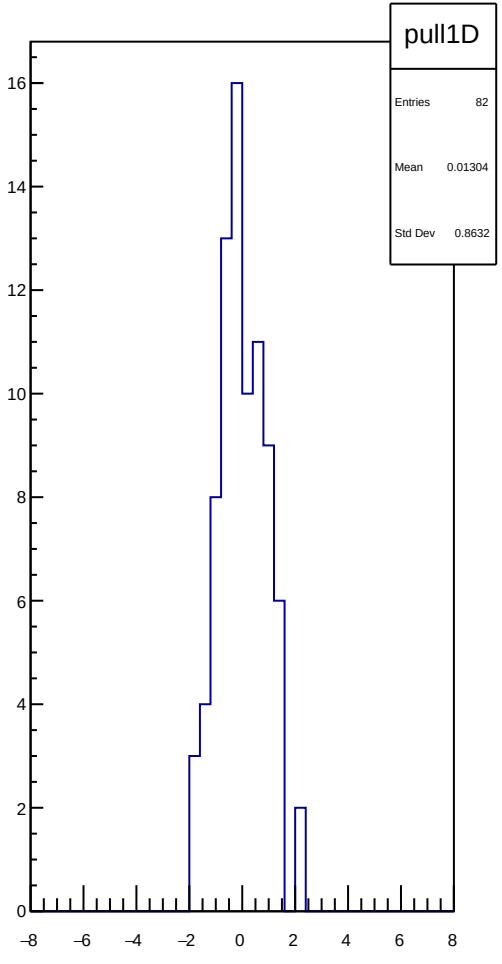

asym_at2_dd_rms vs run
χ^2 / ndf 1.011e+04 / 81
p0 1988 ± 1.595
4500
4000
3500
3000
2500
2000

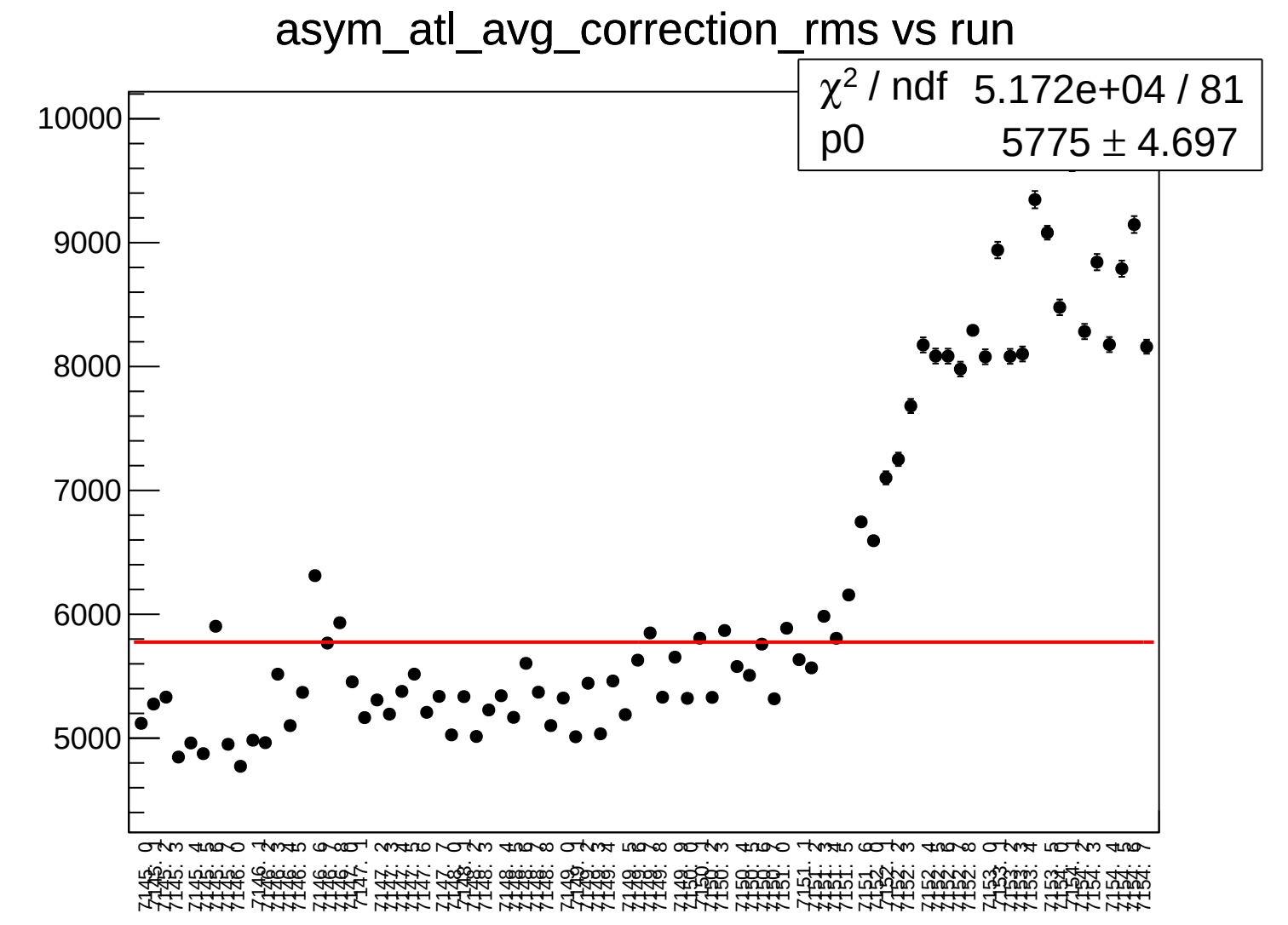

dit_asym_atl_avg_mean vs run
χ² / ndf 75.27 / 81
p0 −2405 ± 2078
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 1841
Std Dev 1795
2
1
0
−1
−2

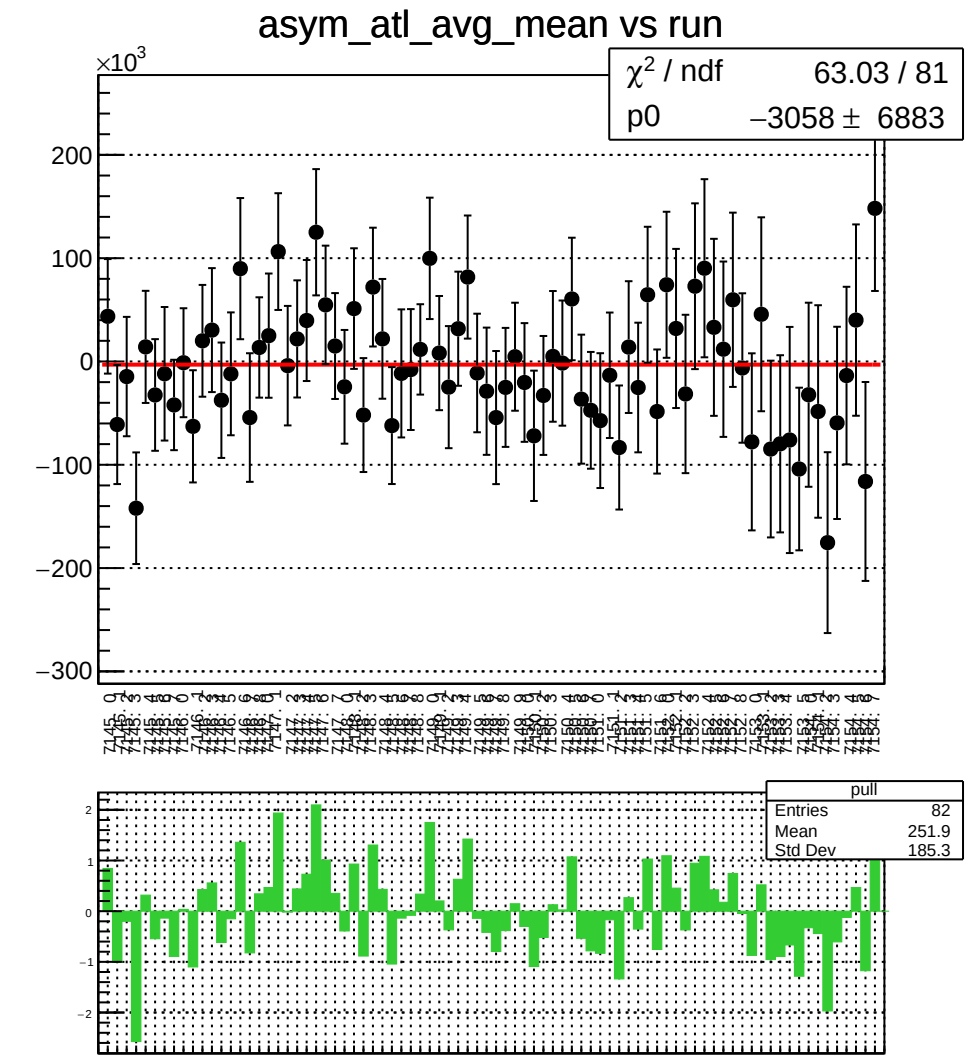

pull1D
Entries 82
Mean 0.000537
Std Dev 0.9581
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

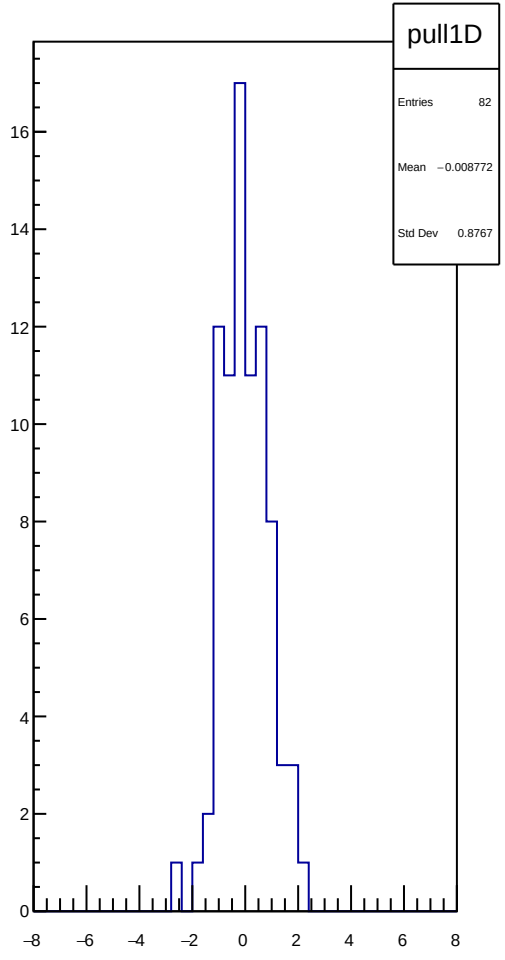

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.103e+04 / 81
p0 1831 ± 1.469
4500
4000
3500
3000
2500
2000
1500

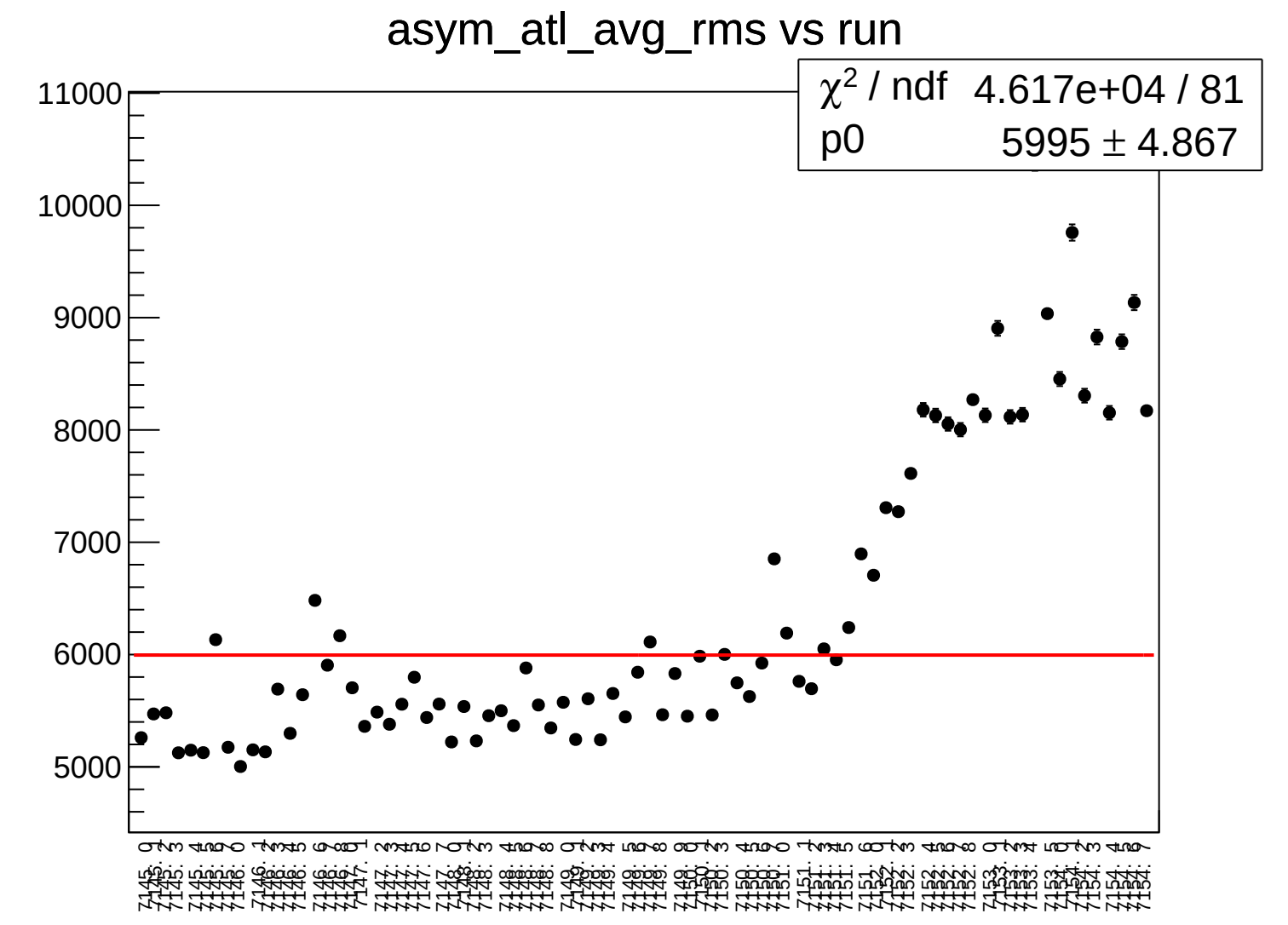

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 61.11 / 81
p0 150.4 ± 6642
pull
Entries 82
Mean 207.5
Std Dev 143.4

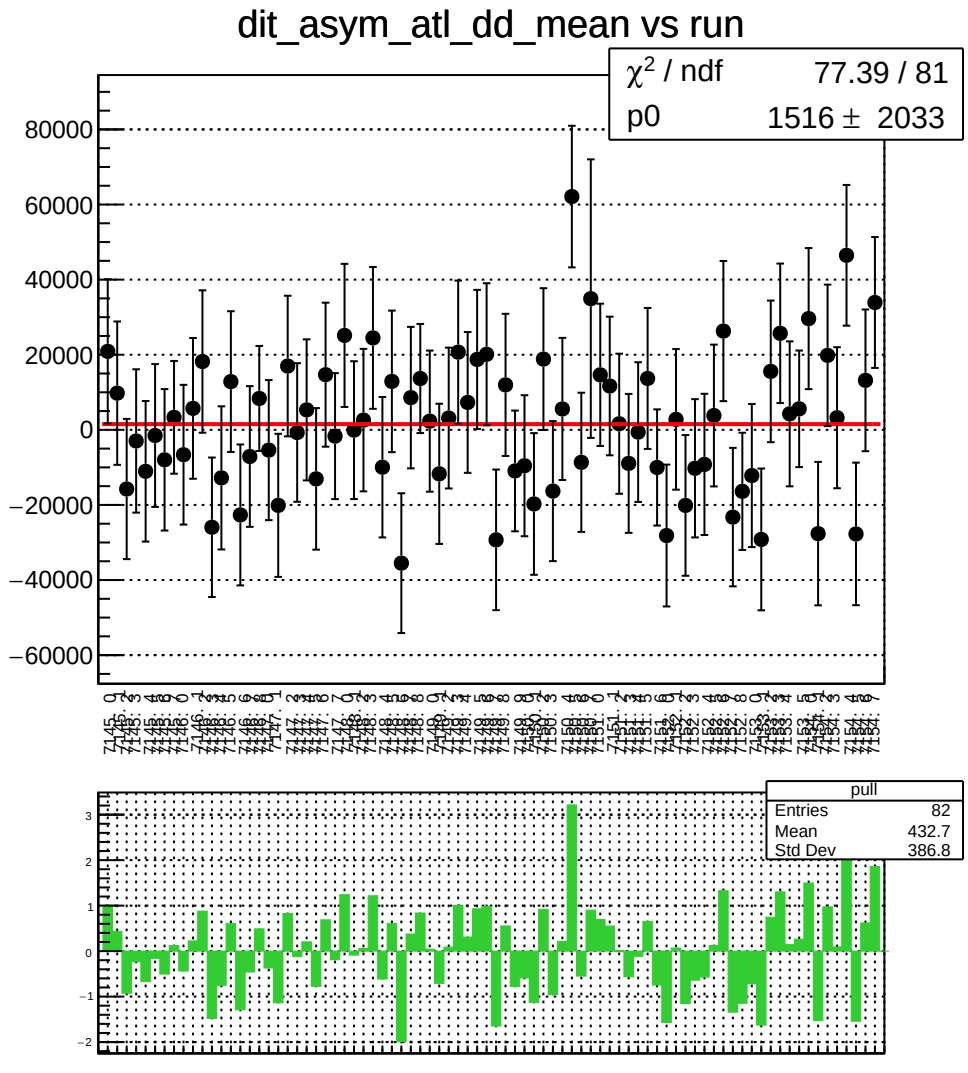

pull1D
Entries 82
Mean 0.01304
Std Dev 0.8632

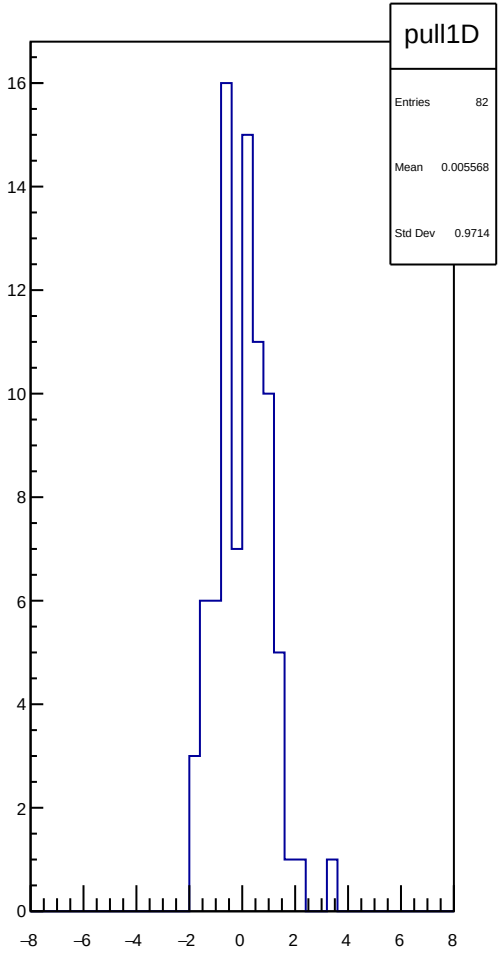

asym_atl_avg_correction_rms vs run
χ^2 / ndf 5.172e+04 / 81
p0 5775 ± 4.697
10000
9000
8000
7000
6000
5000

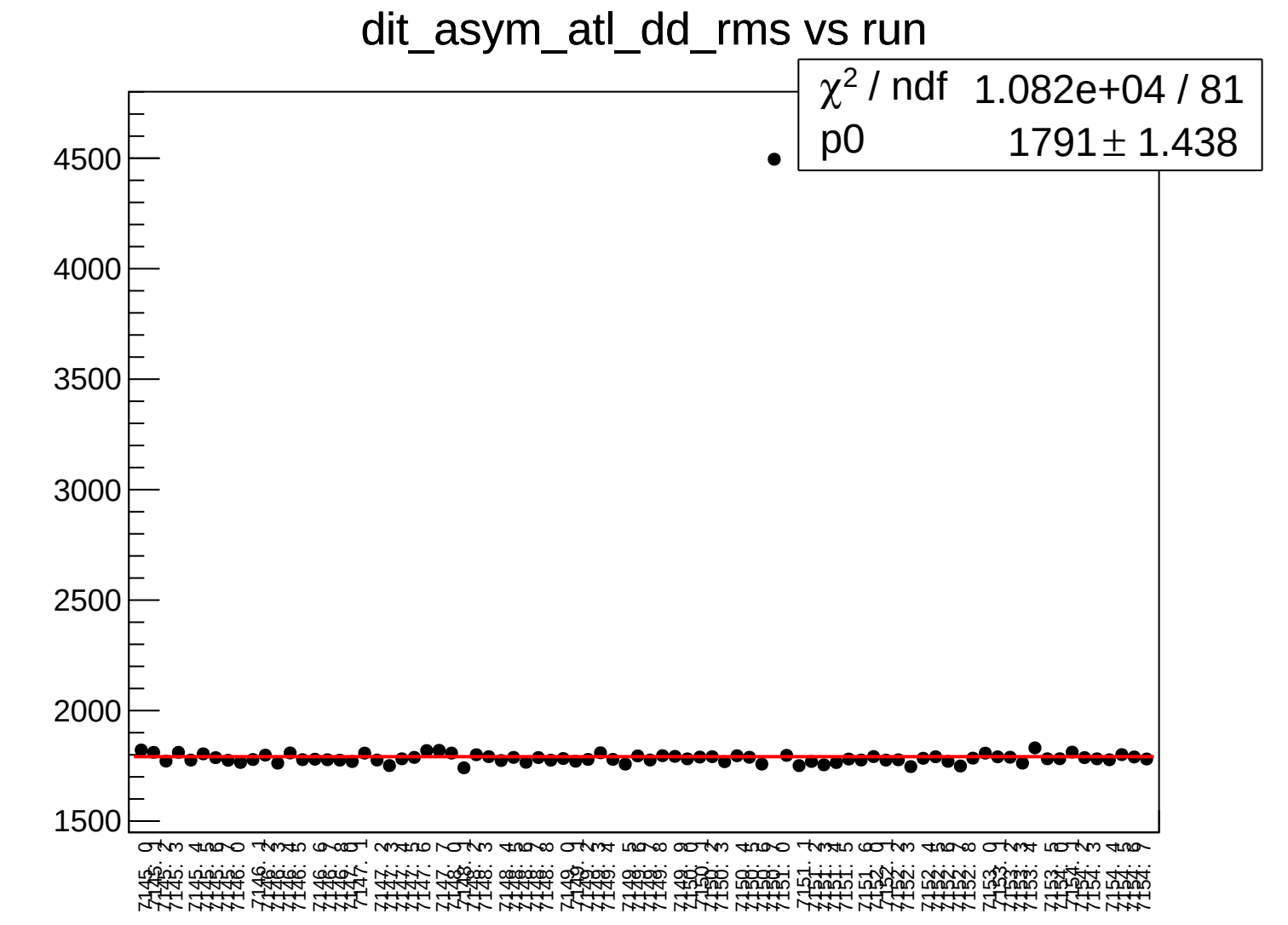

asym_atl_avg_mean vs run
×10^3
χ² / ndf 63.03 / 81
p0 −3058 ± 6883
200
100
0
−100
−200
−300
pull
Entries 82
Mean 251.9
Std Dev 185.3
2
1
0
−1
−2

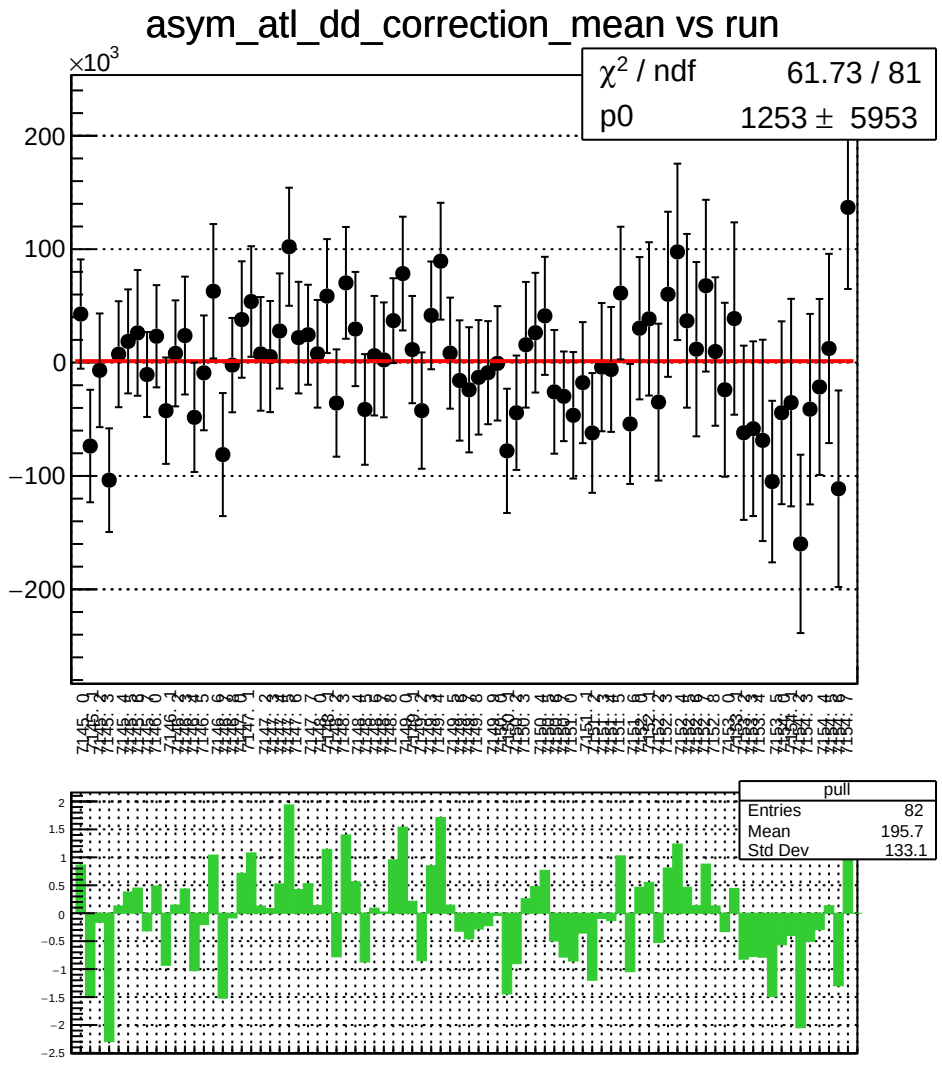

pull1D
Entries 82
Mean −0.008772
Std Dev 0.8767
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

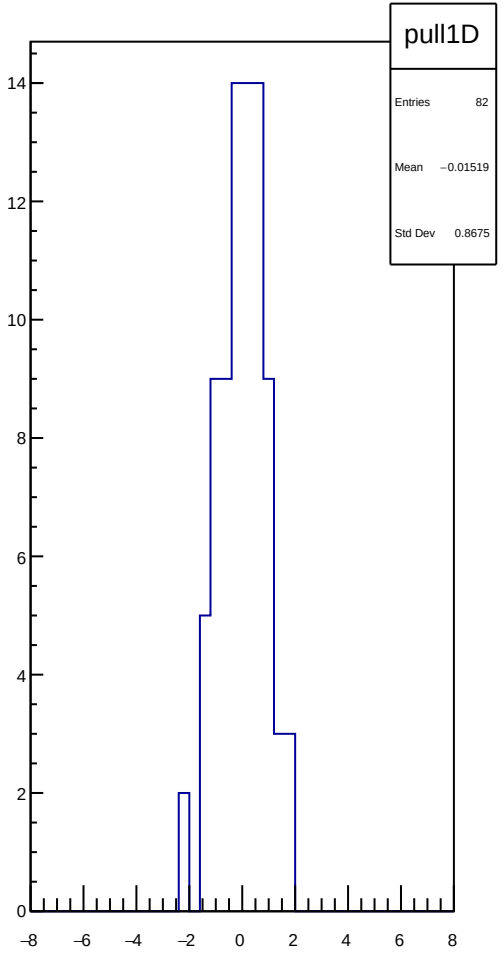

asym_atl_avg_rms vs run
χ² / ndf 4.617e+04 / 81
p0 5995 ± 4.867
11000
10000
9000
8000
7000
6000
5000

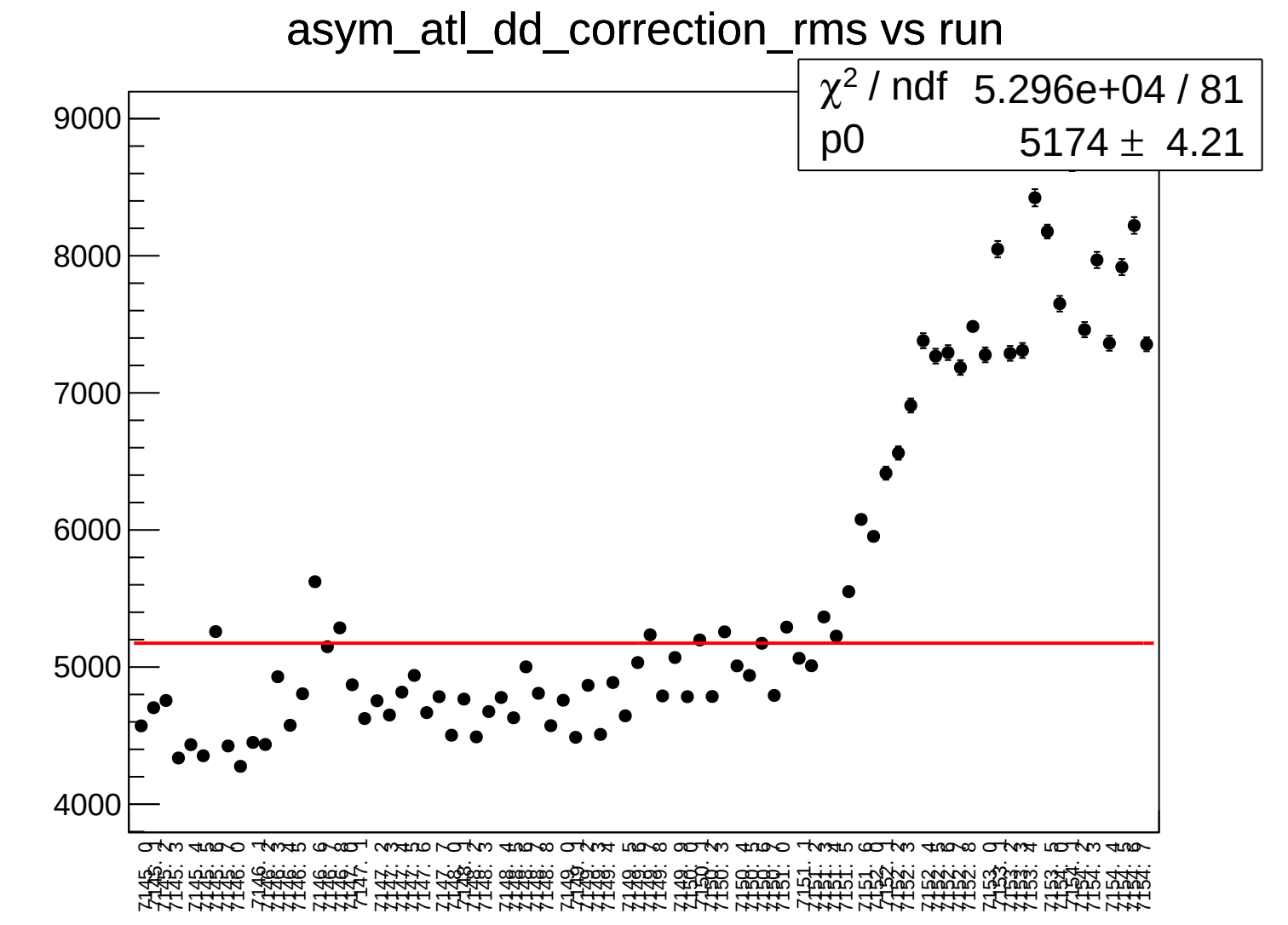

dit_asym_atl_dd_mean vs run
χ² / ndf 77.39 / 81
p0 1516 ± 2033
pull
Entries 82
Mean 432.7
Std Dev 386.8

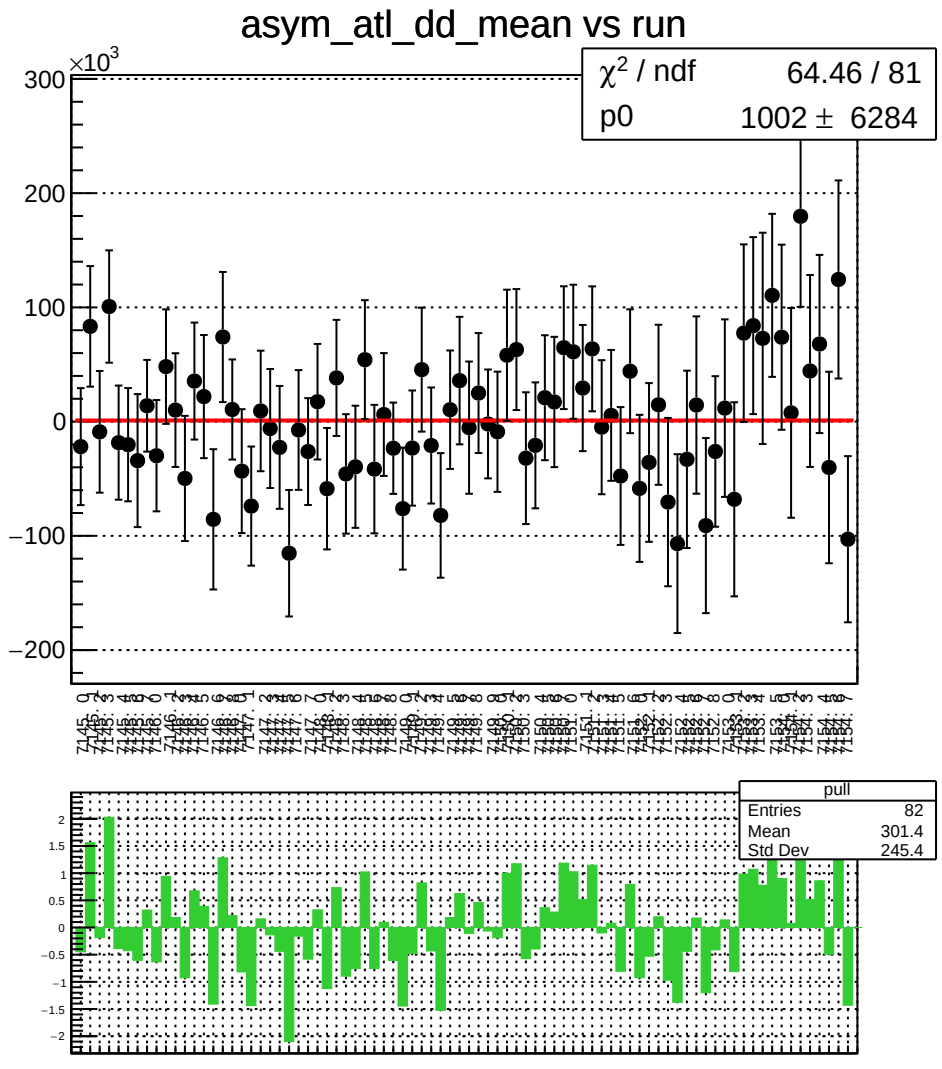

pull1D
Entries 82
Mean 0.005568
Std Dev 0.9714

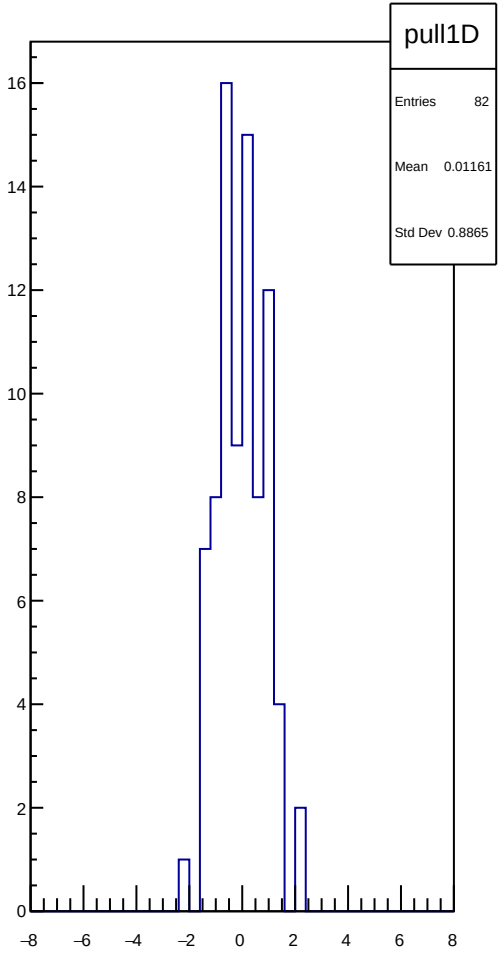

dit_asym_atl_dd_rms vs run
χ² / ndf 1.082e+04 / 81
p0 1791 ± 1.438
4500
4000
3500
3000
2500
2000
1500

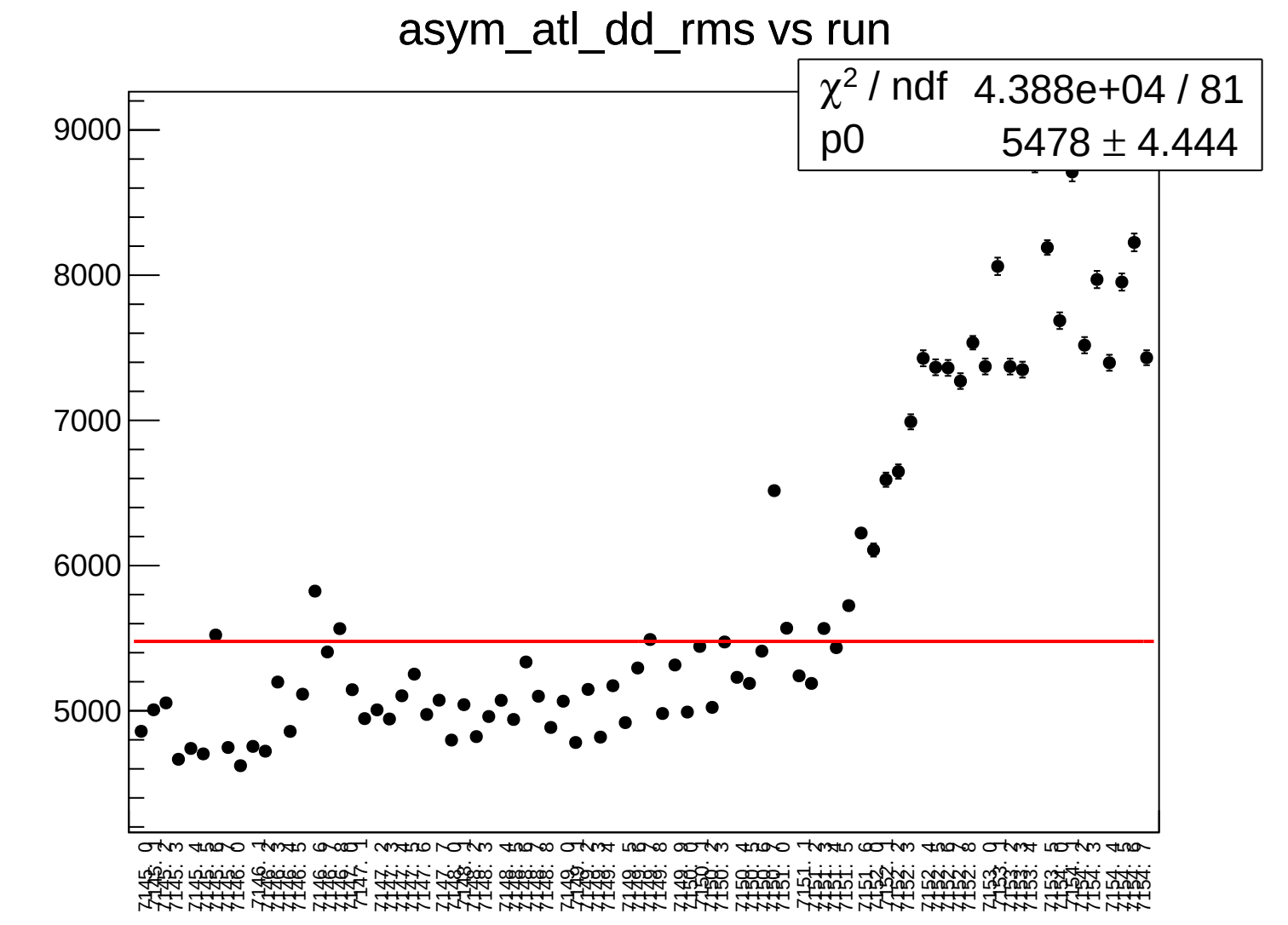

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 61.73 / 81
p0 1253 ± 5953
200
100
0
−100
−200
pull
Entries 82
Mean 195.7
Std Dev 133.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

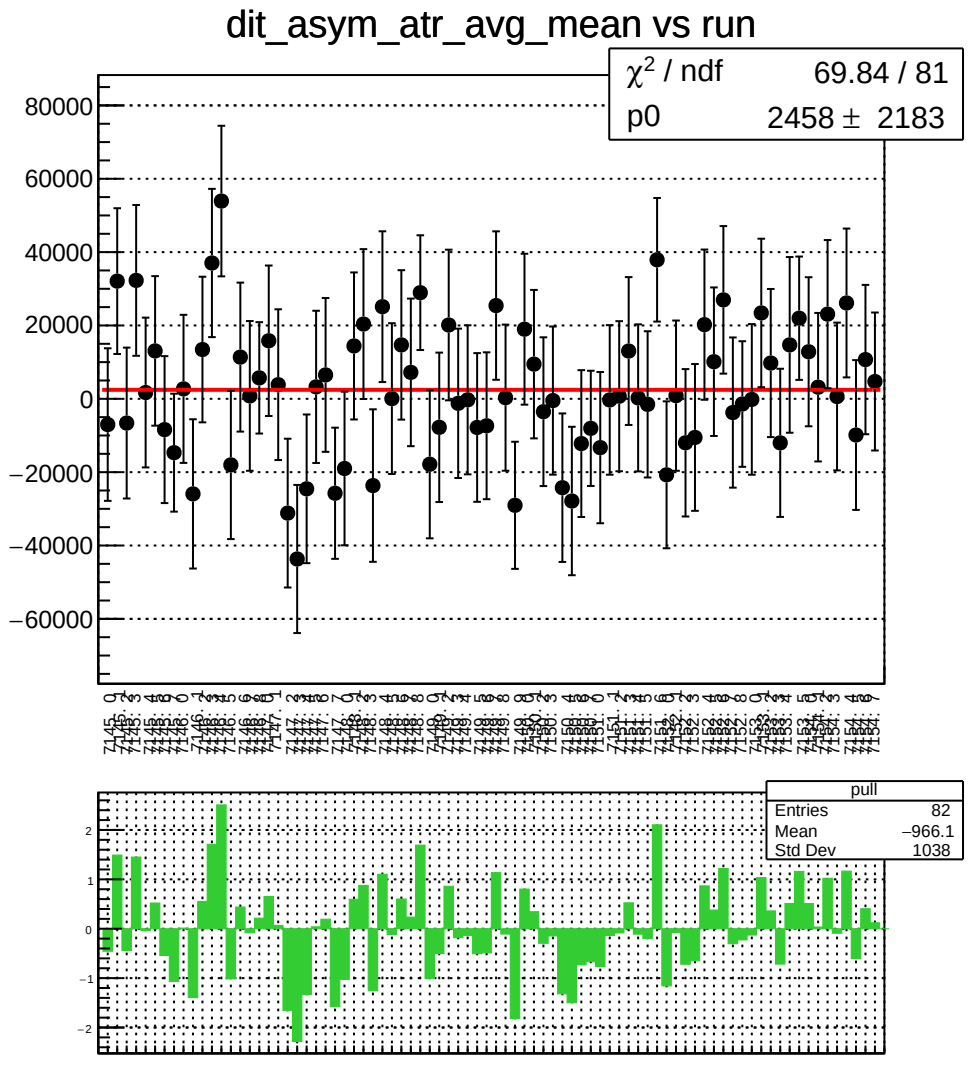

pull1D
Entries 82
Mean −0.01519
Std Dev 0.8675
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

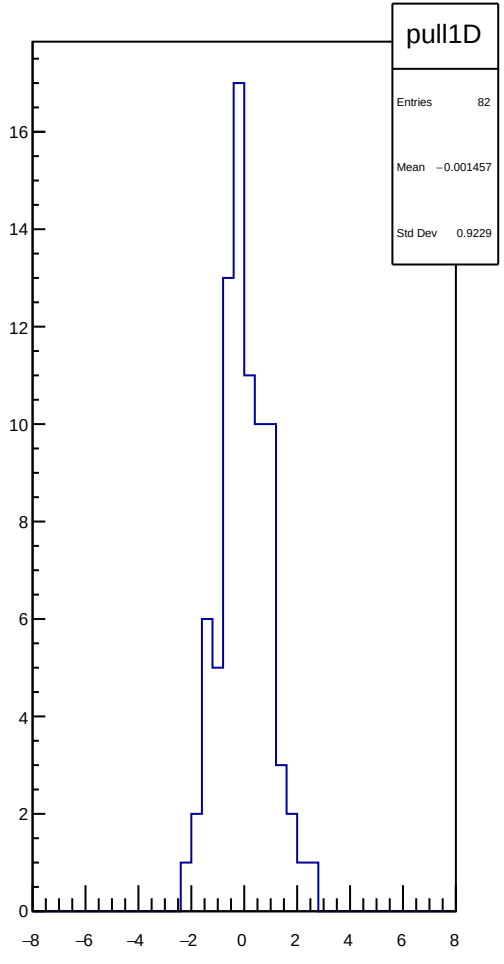

asym_atl_dd_correction_rms vs run
χ² / ndf 5.296e+04 / 81
p0 5174 ± 4.21
9000
8000
7000
6000
5000
4000

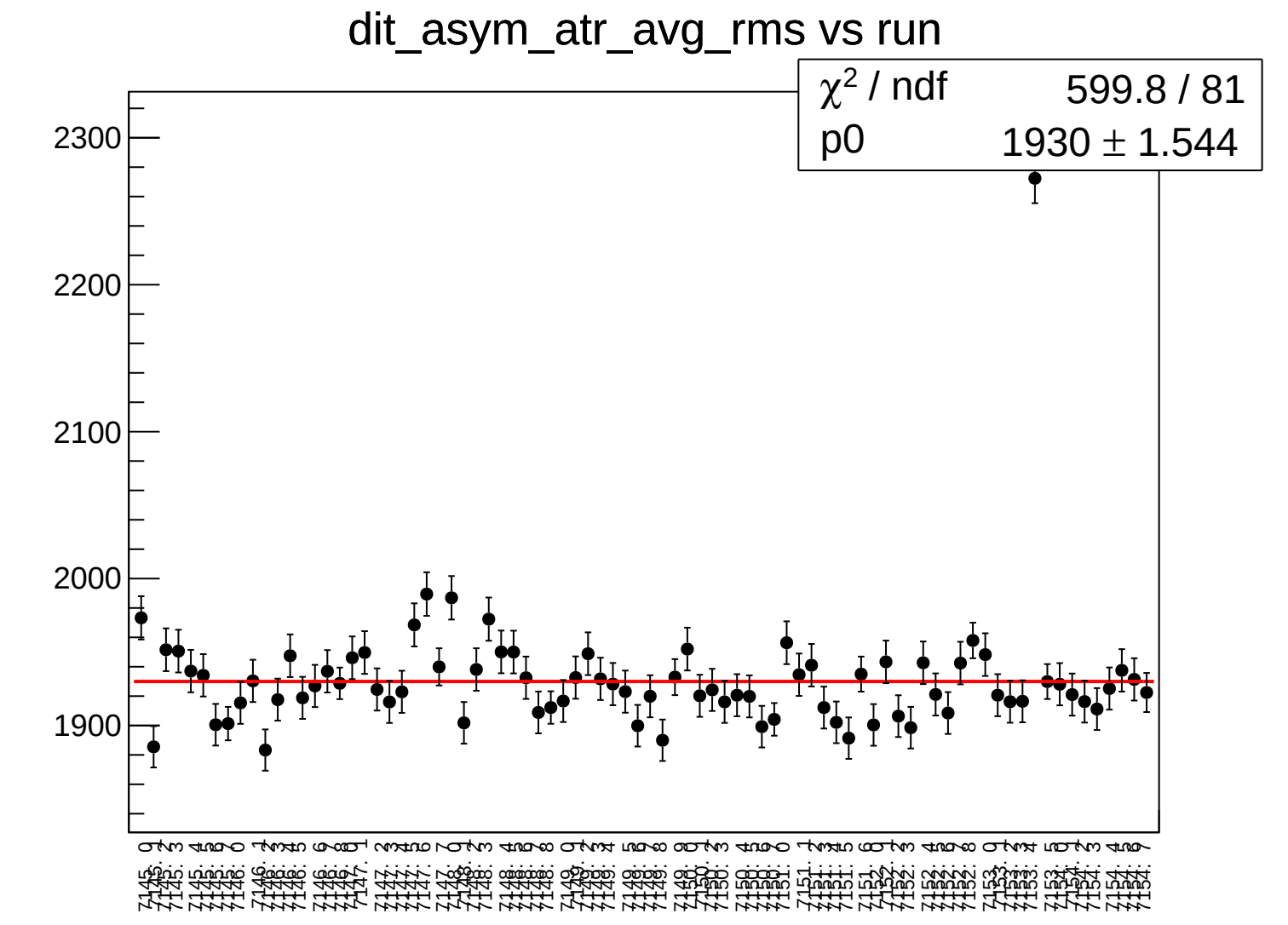

asym_atl_dd_mean vs run
×10^3
χ² / ndf 64.46 / 81
p0 1002 ± 6284
pull
Entries 82
Mean 301.4
Std Dev 245.4

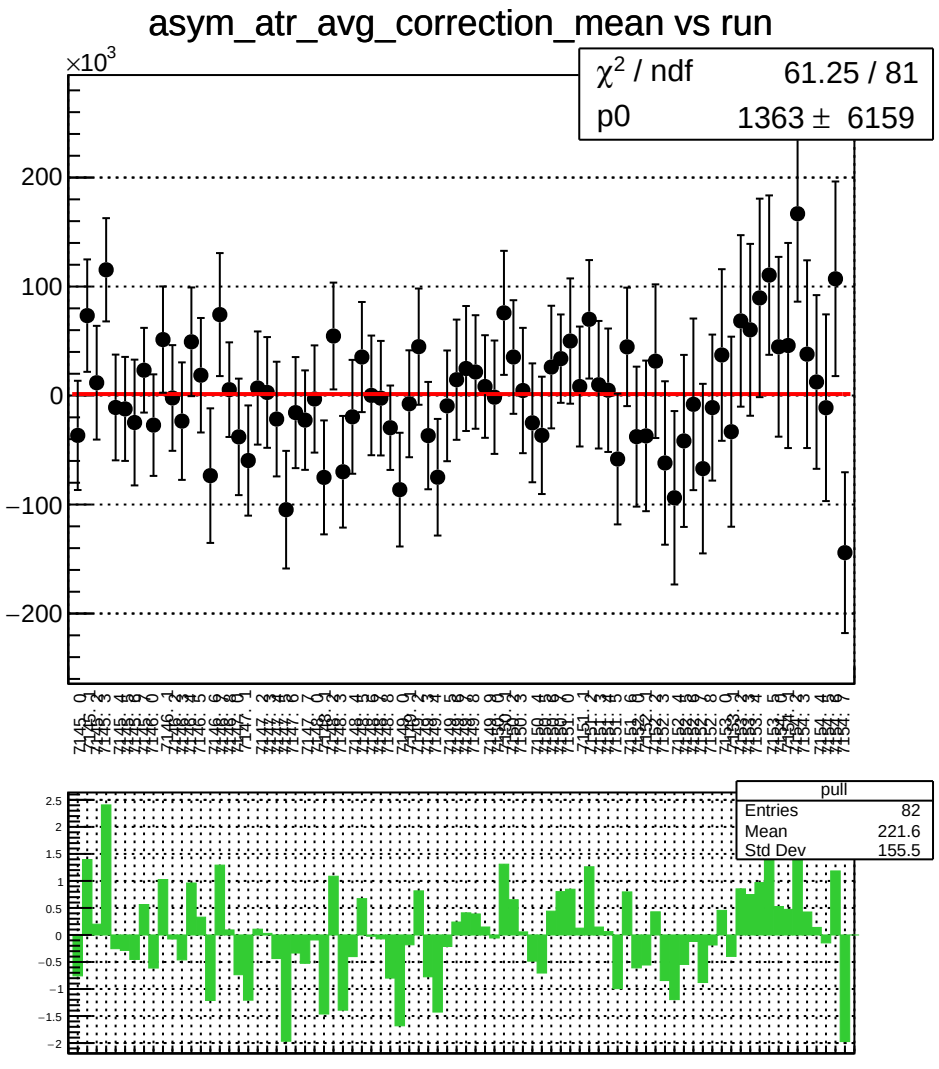

pull1D
Entries 82
Mean 0.01161
Std Dev 0.8865

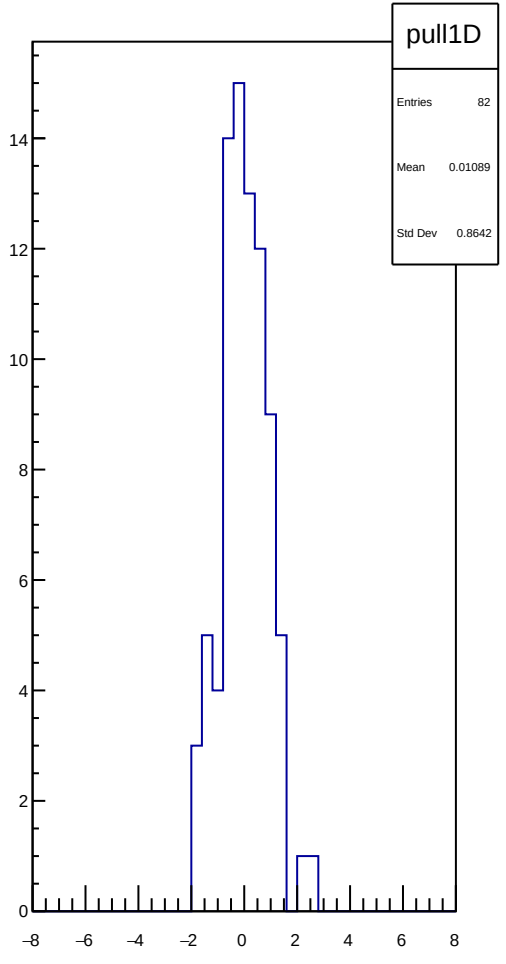

asym_atl_dd_rms vs run
χ^2 / ndf 4.388e+04 / 81
p0 5478 ± 4.444
9000
8000
7000
6000
5000

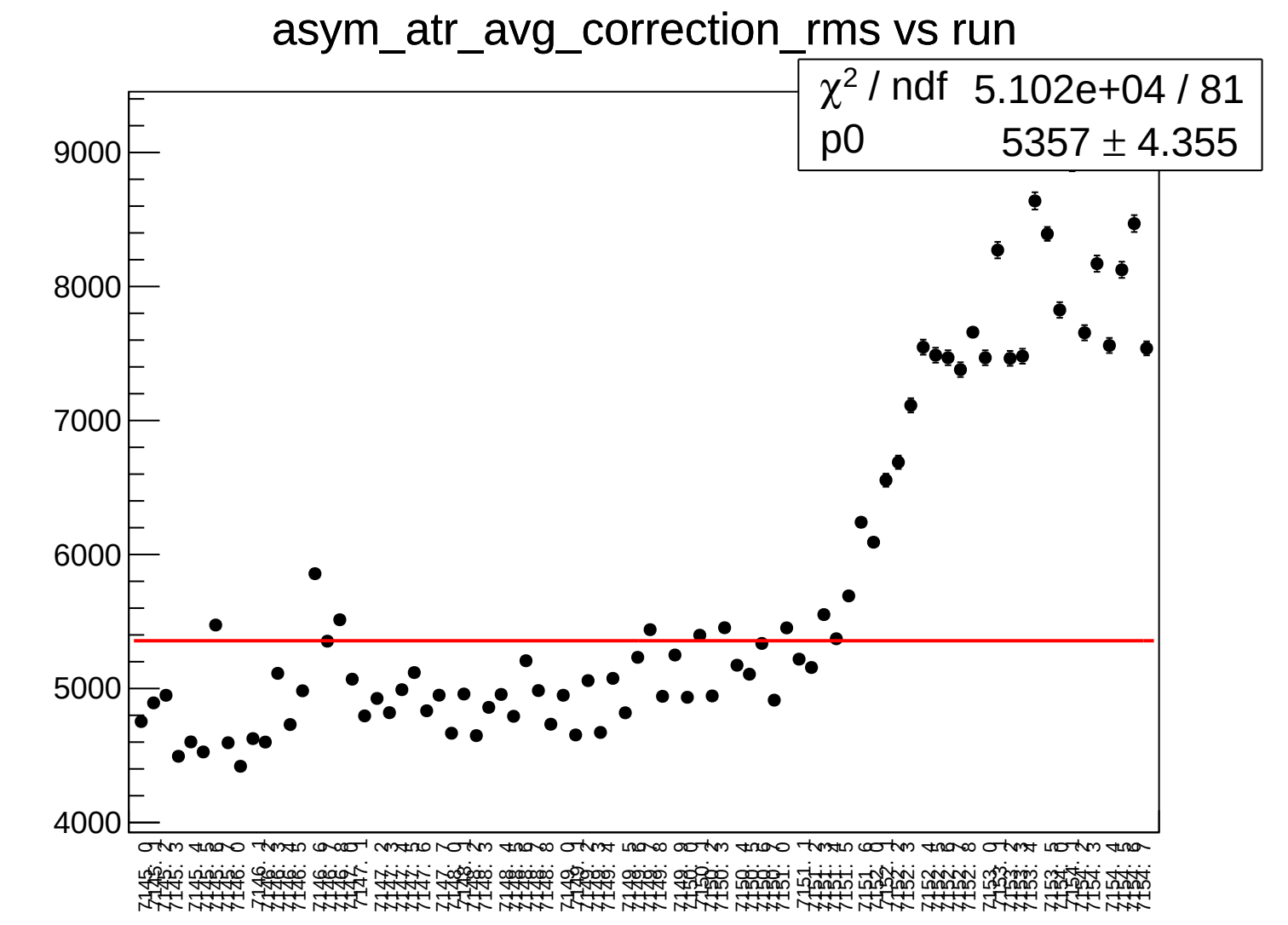

dit_asym_atr_avg_mean vs run
χ² / ndf 69.84 / 81
p0 2458 ± 2183
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −966.1
Std Dev 1038
2
1
0
−1
−2

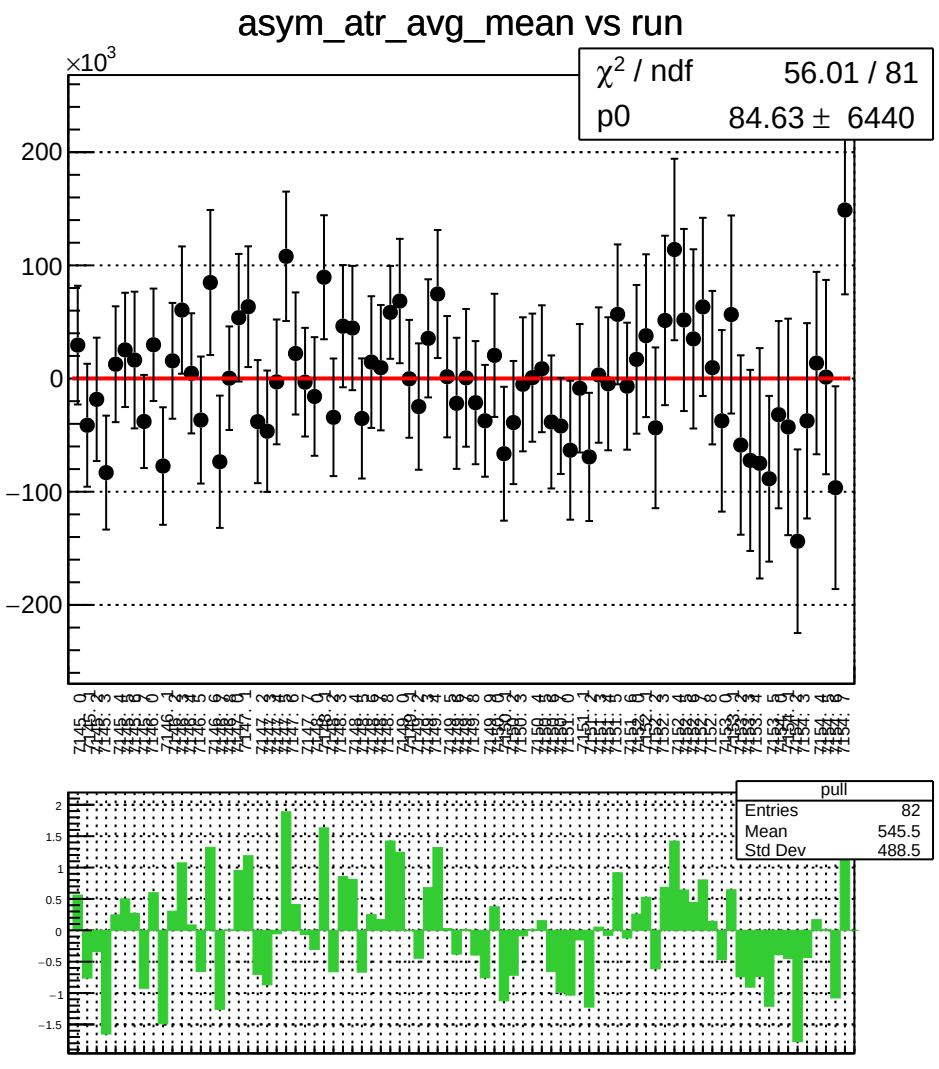

pull1D
Entries 82
Mean −0.001457
Std Dev 0.9229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

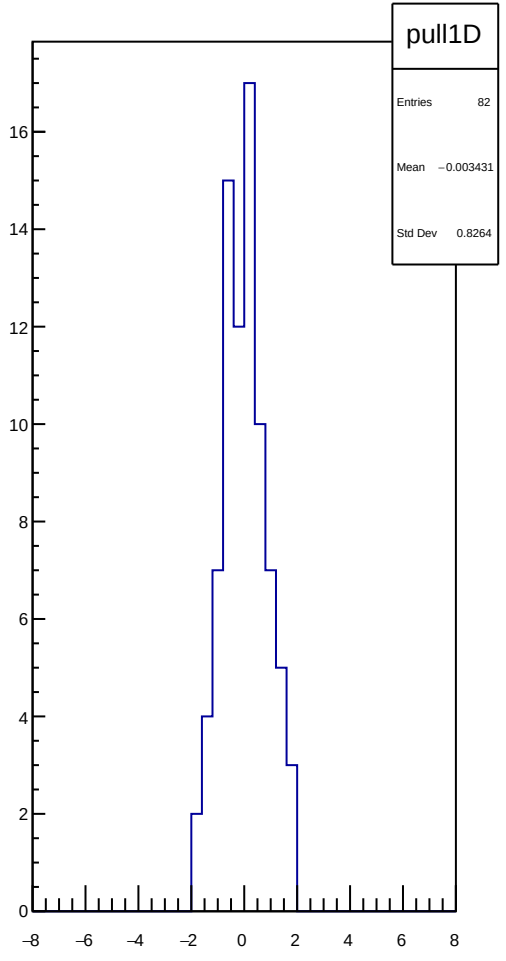

dit_asym_atr_avg_rms vs run
χ² / ndf 599.8 / 81
p0 1930 ± 1.544
2300
2200
2100
2000
1900

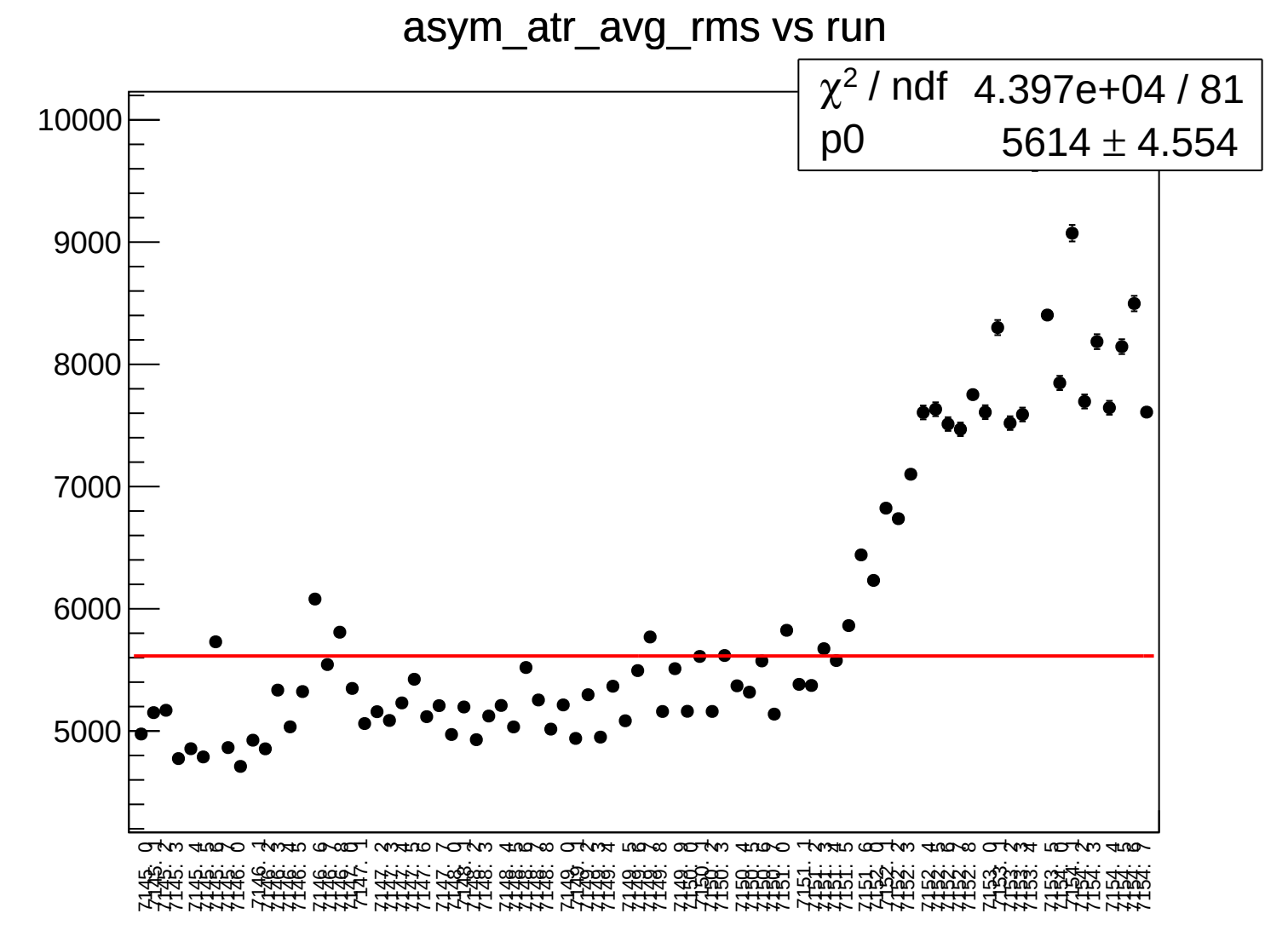

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 61.25 / 81
p0 1363 ± 6159
200
100
0
−100
−200
pull
Entries 82
Mean 221.6
Std Dev 155.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

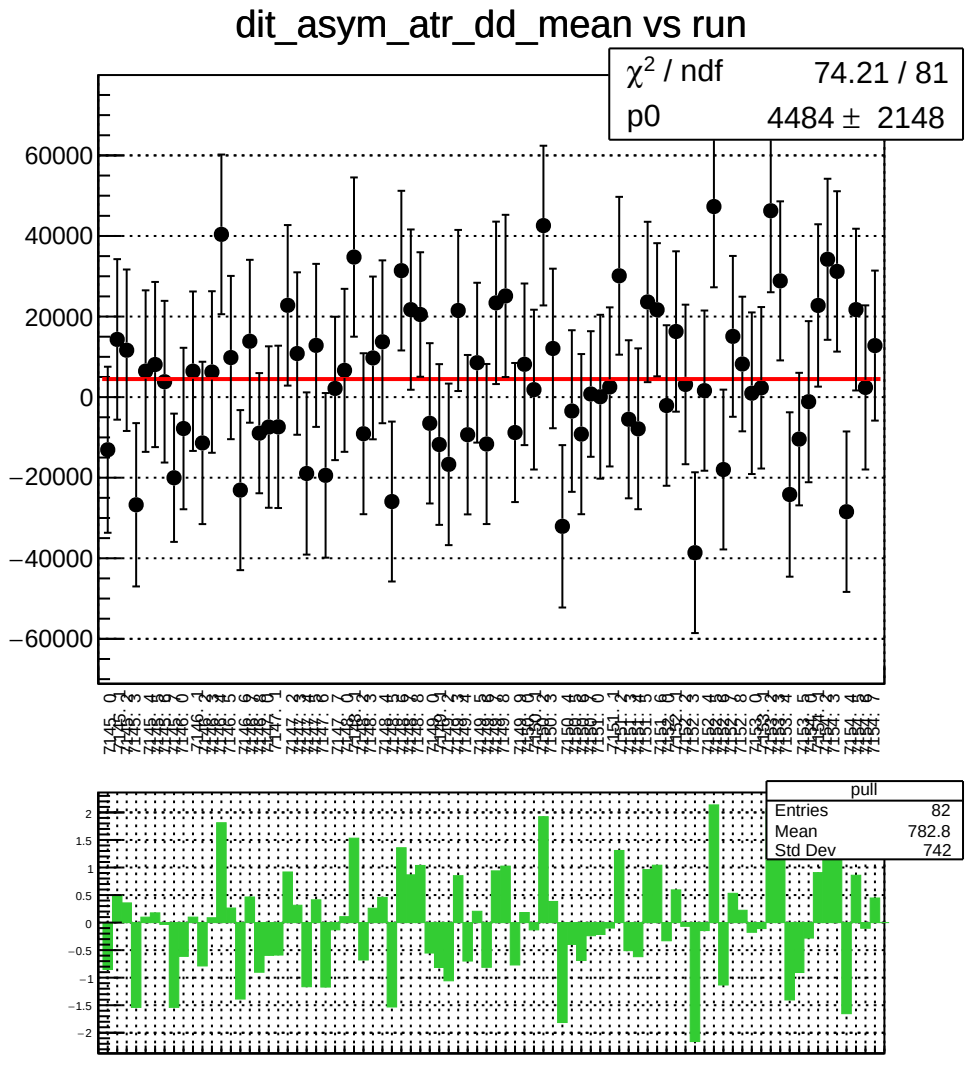

pull1D
Entries 82
Mean 0.01089
Std Dev 0.8642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

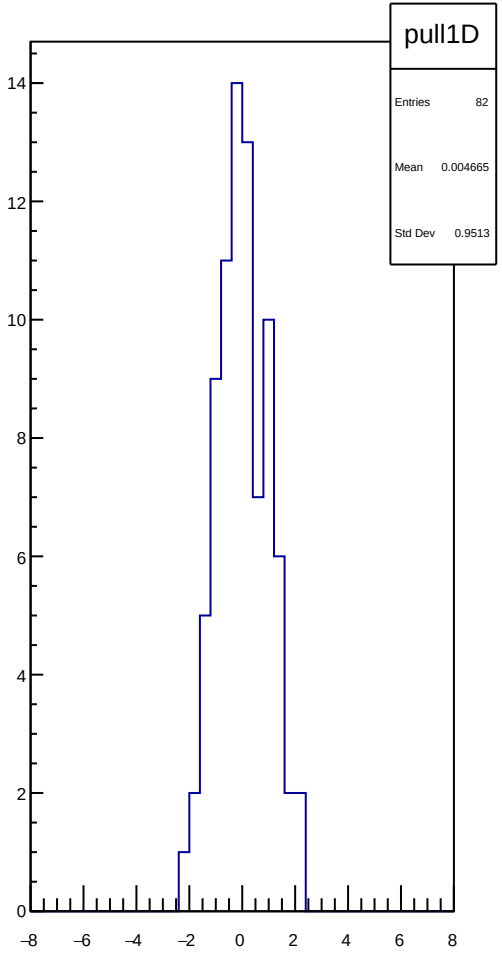

asym_atr_avg_correction_rms vs run
χ² / ndf 5.102e+04 / 81
p0 5357 ± 4.355
9000
8000
7000
6000
5000
4000

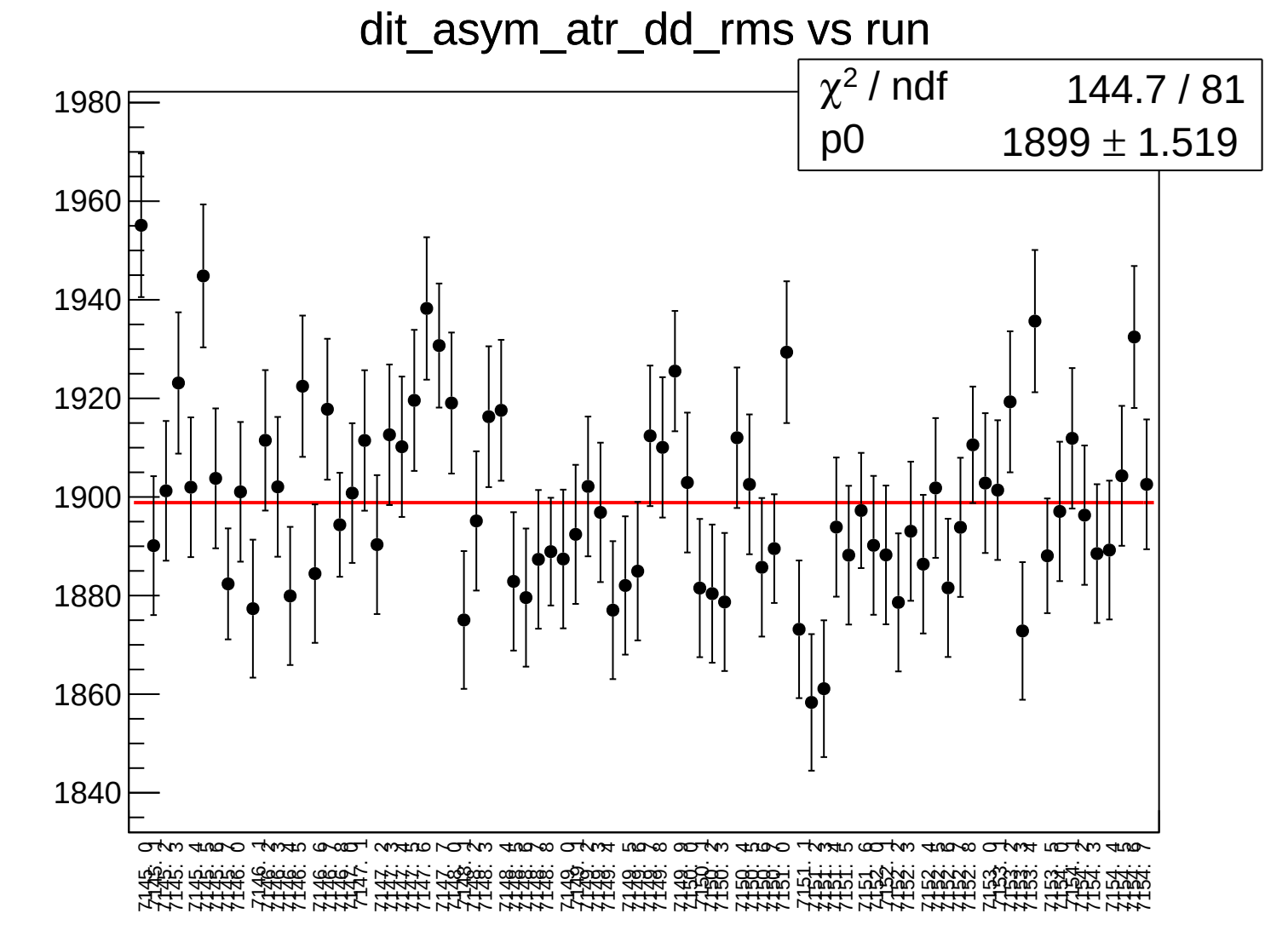

asym_atr_avg_mean vs run
×10^3
χ² / ndf 56.01 / 81
p0 84.63 ± 6440
200
100
0
−100
−200
pull
Entries 82
Mean 545.5
Std Dev 488.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

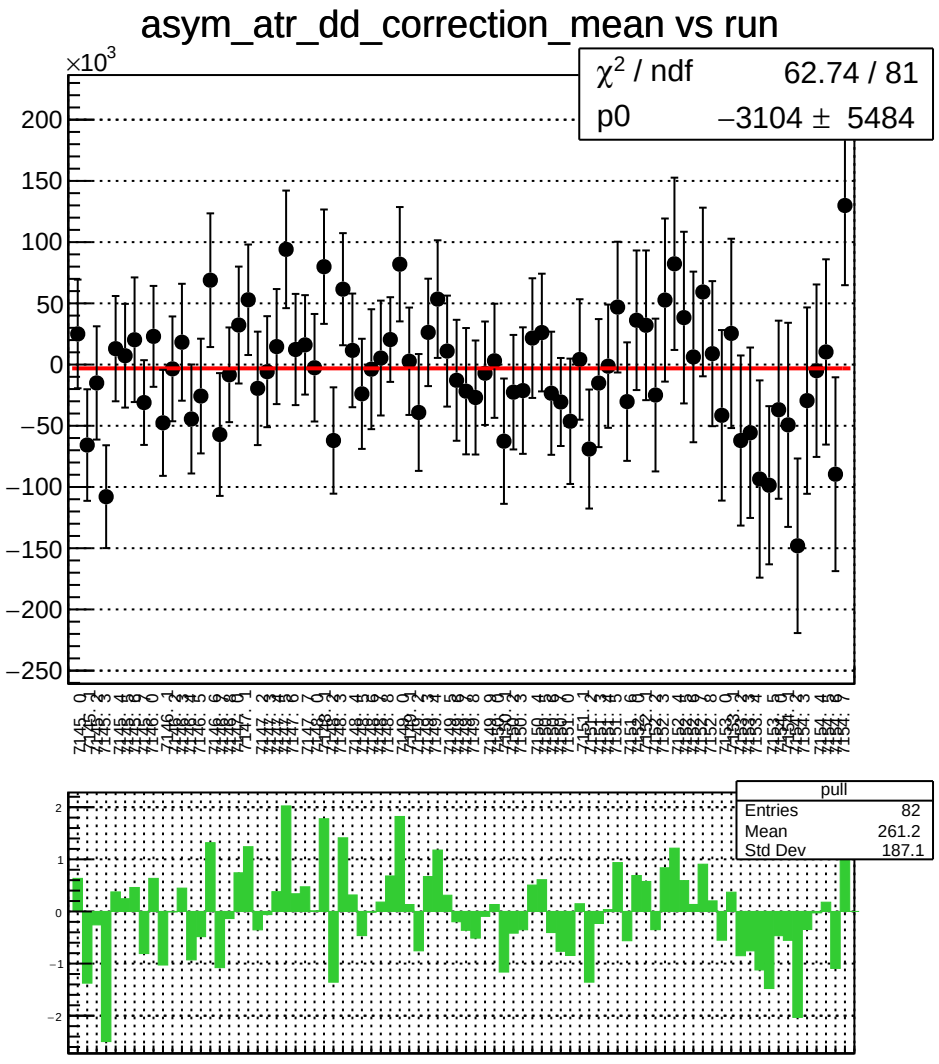

pull1D
Entries 82
Mean −0.003431
Std Dev 0.8264
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

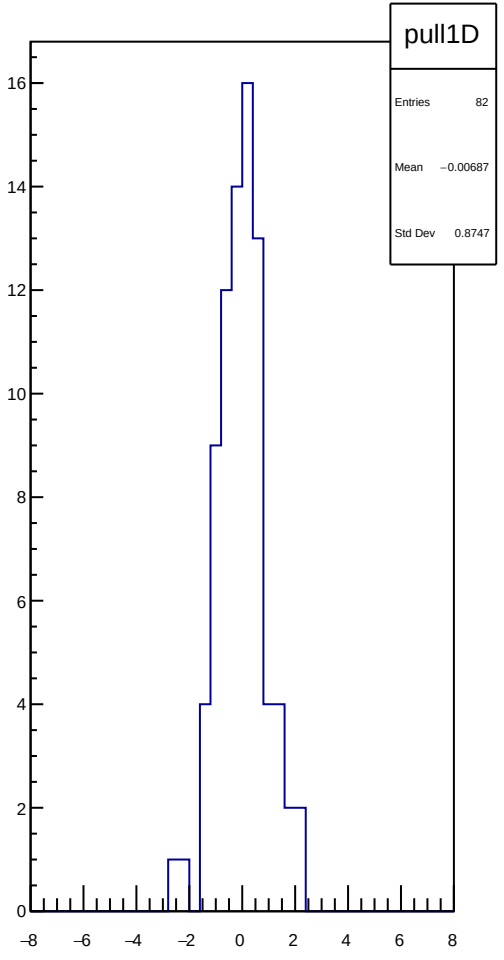

asym_atr_avg_rms vs run
χ^2 / ndf 4.397e+04 / 81
p0 5614 ± 4.554
10000
9000
8000
7000
6000
5000

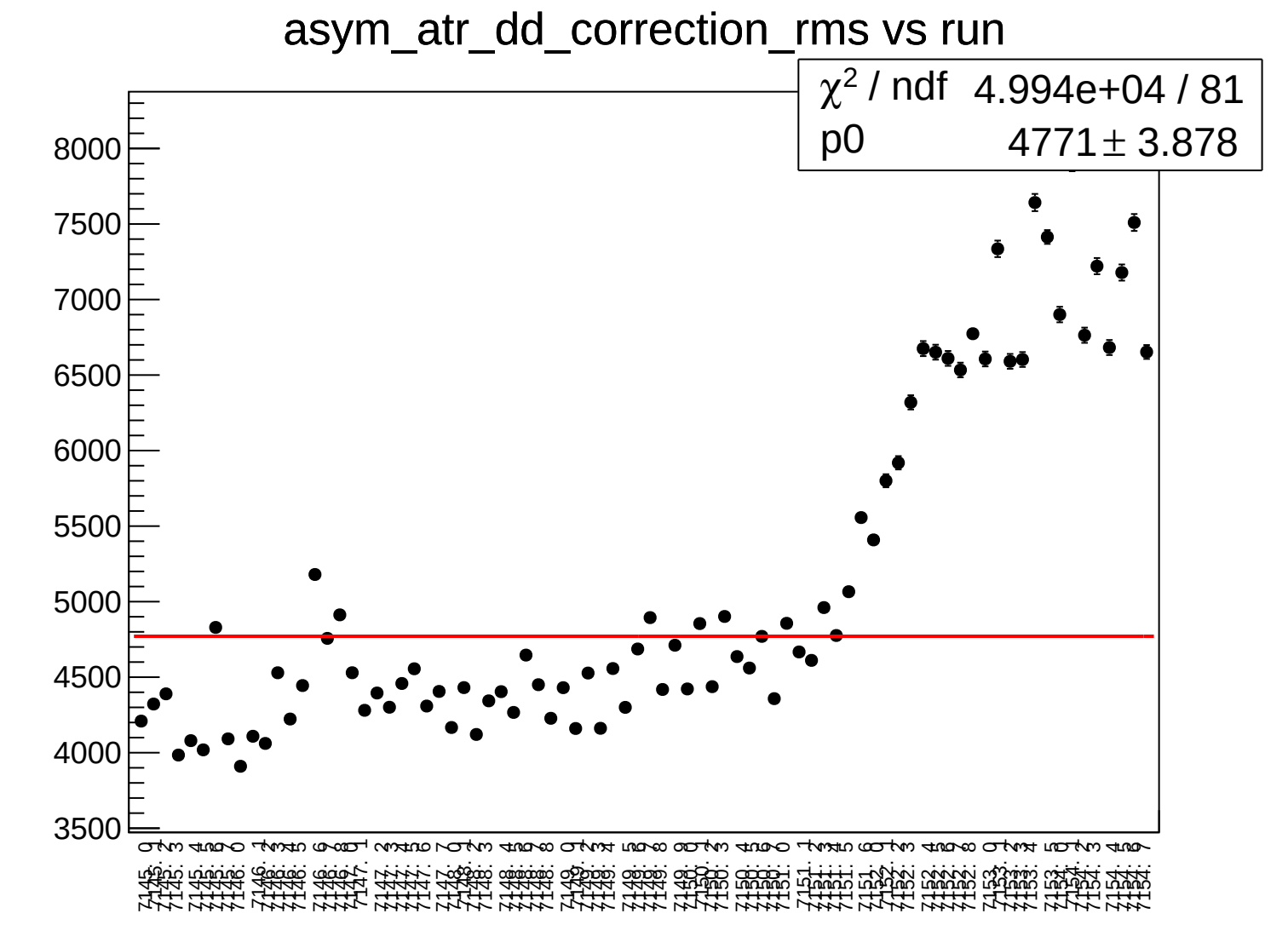

dit_asym_atr_dd_mean vs run
χ² / ndf 74.21 / 81
p0 4484 ± 2148
pull
Entries 82
Mean 782.8
Std Dev 742

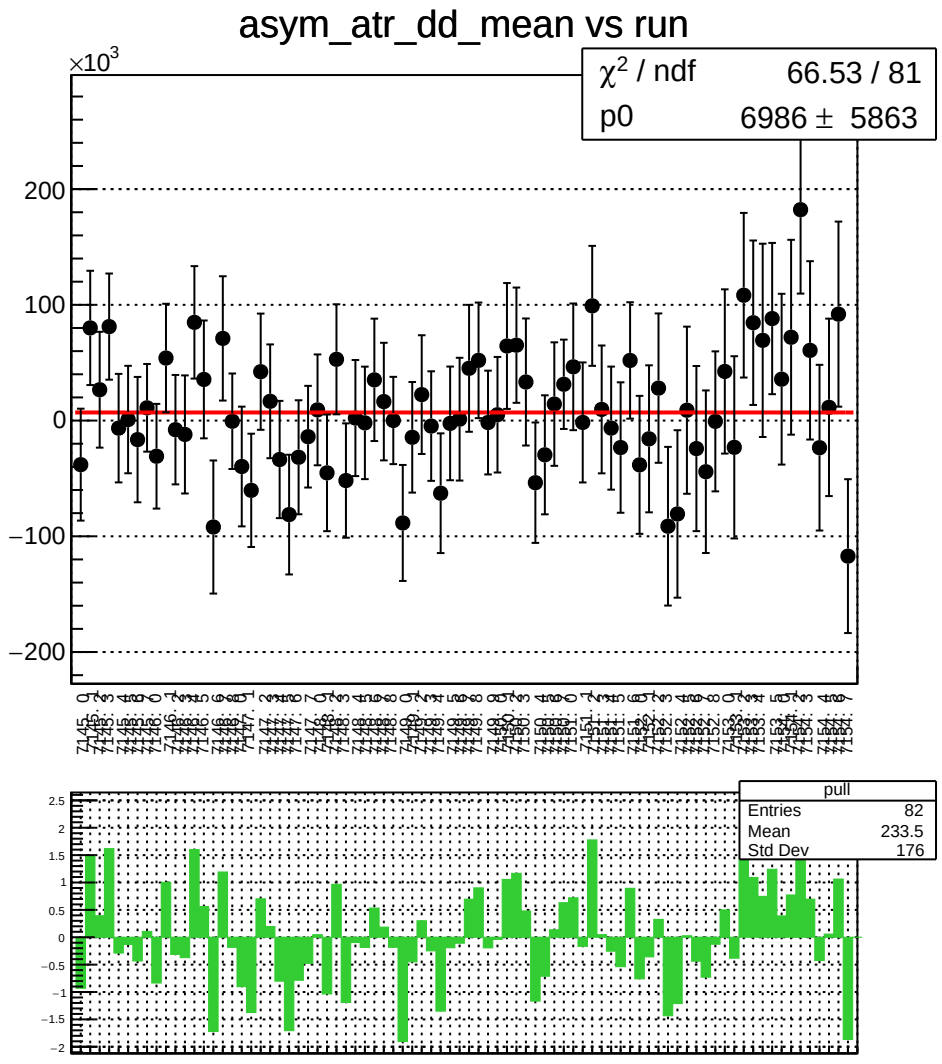

pull1D
Entries 82
Mean 0.004665
Std Dev 0.9513

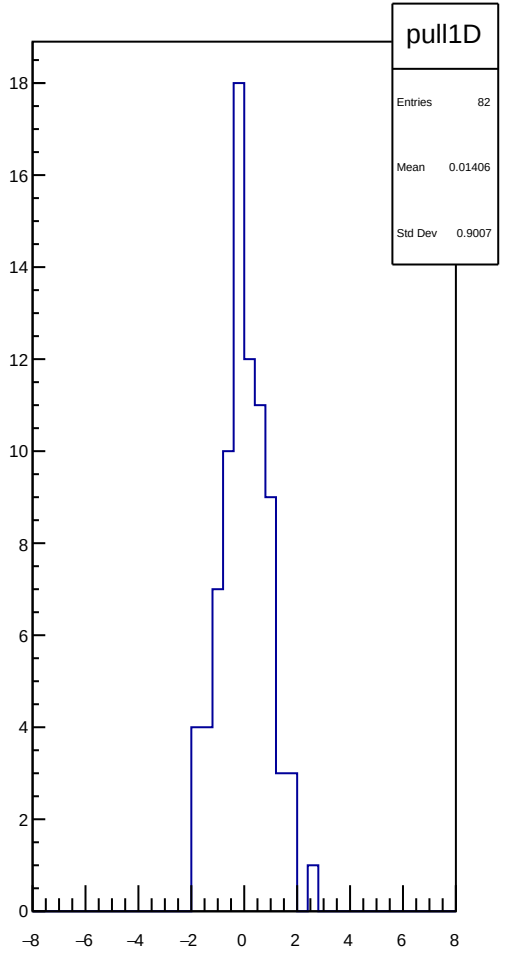

dit_asym_atr_dd_rms vs run
χ² / ndf 144.7 / 81
p0 1899 ± 1.519
1980
1960
1940
1920
1900
1880
1860
1840

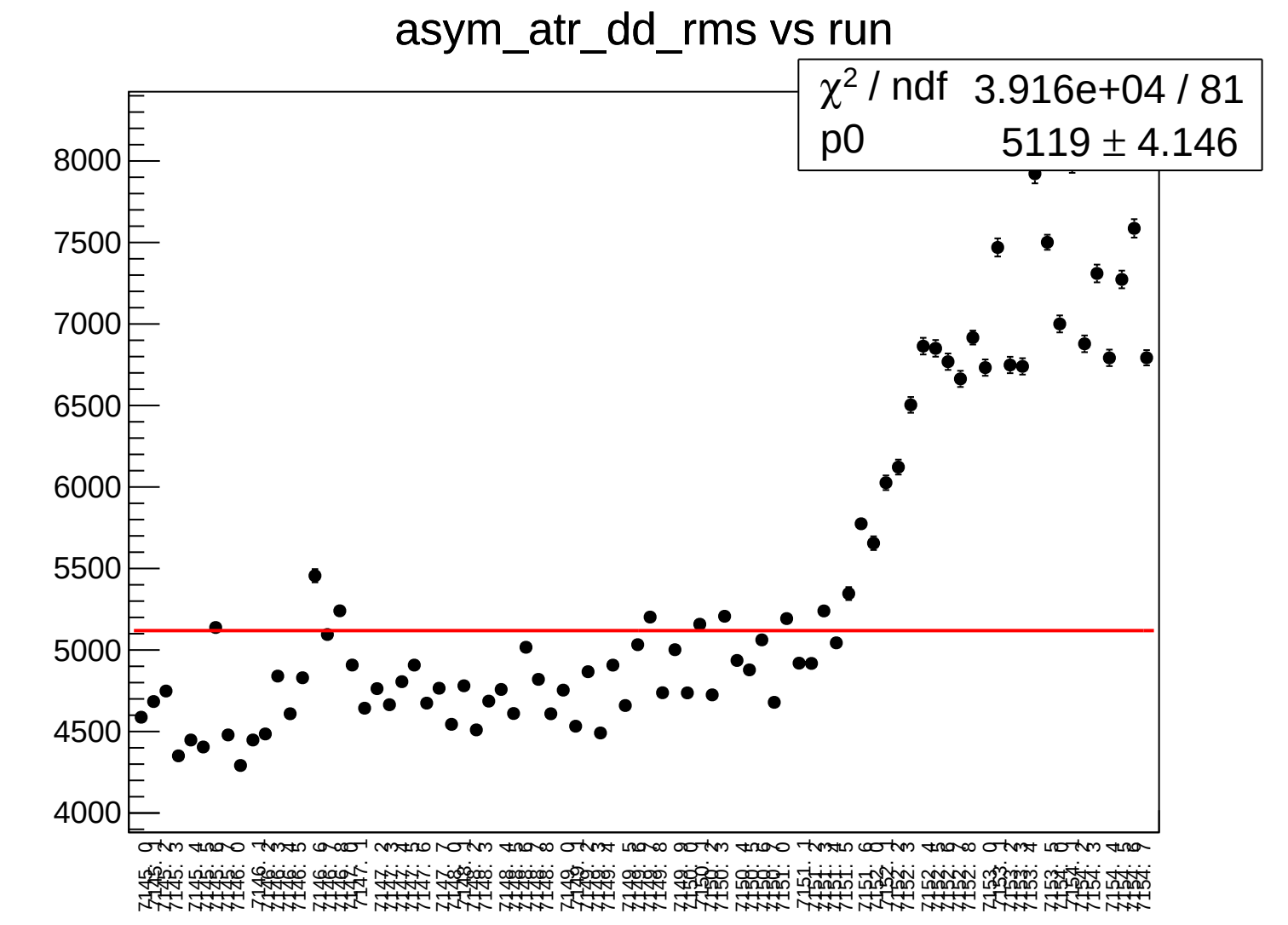

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 62.74 / 81
p0 −3104 ± 5484
200
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 82
Mean 261.2
Std Dev 187.1
2
1
0
−1
−2

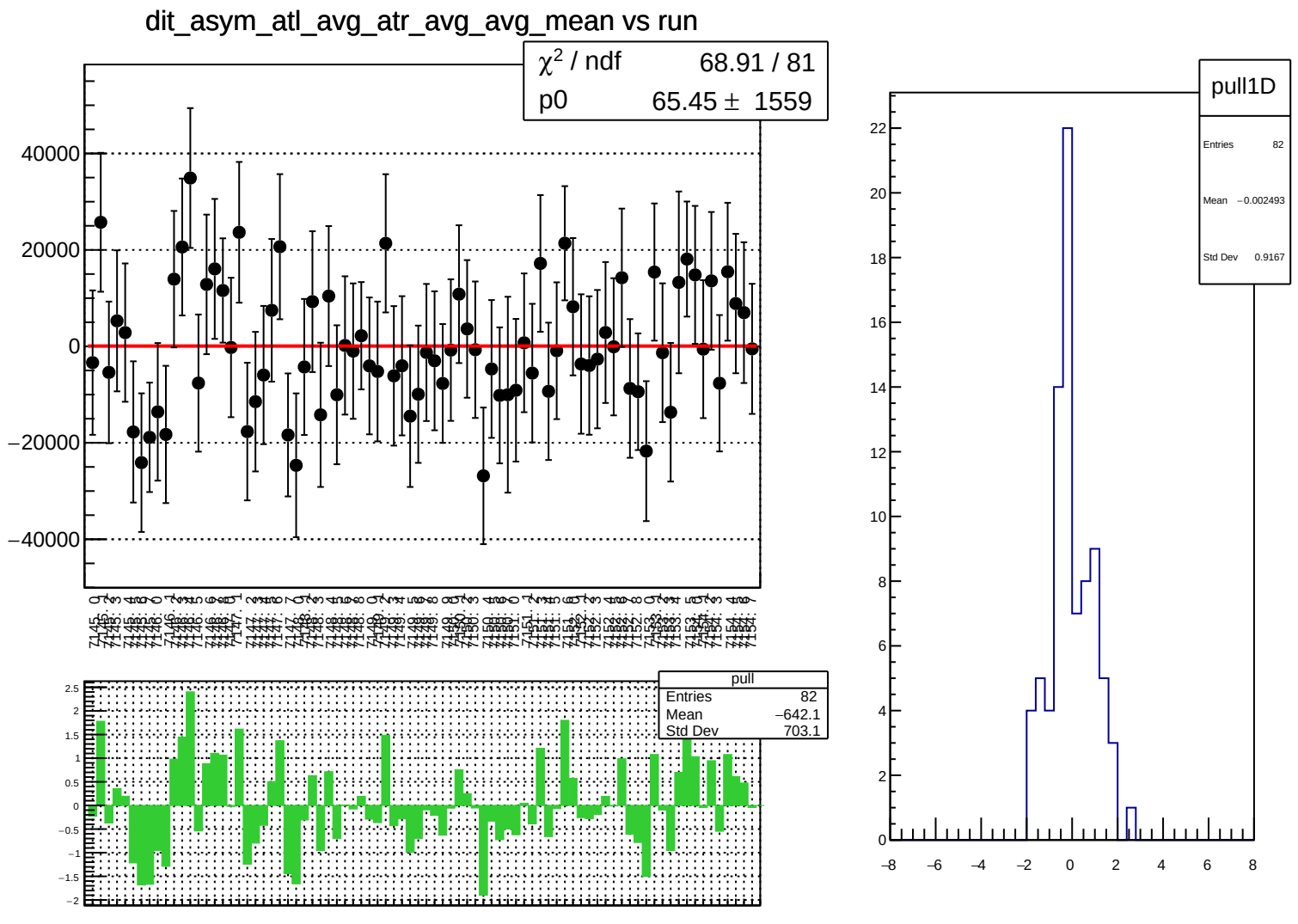

pull1D
Entries 82
Mean −0.00687
Std Dev 0.8747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

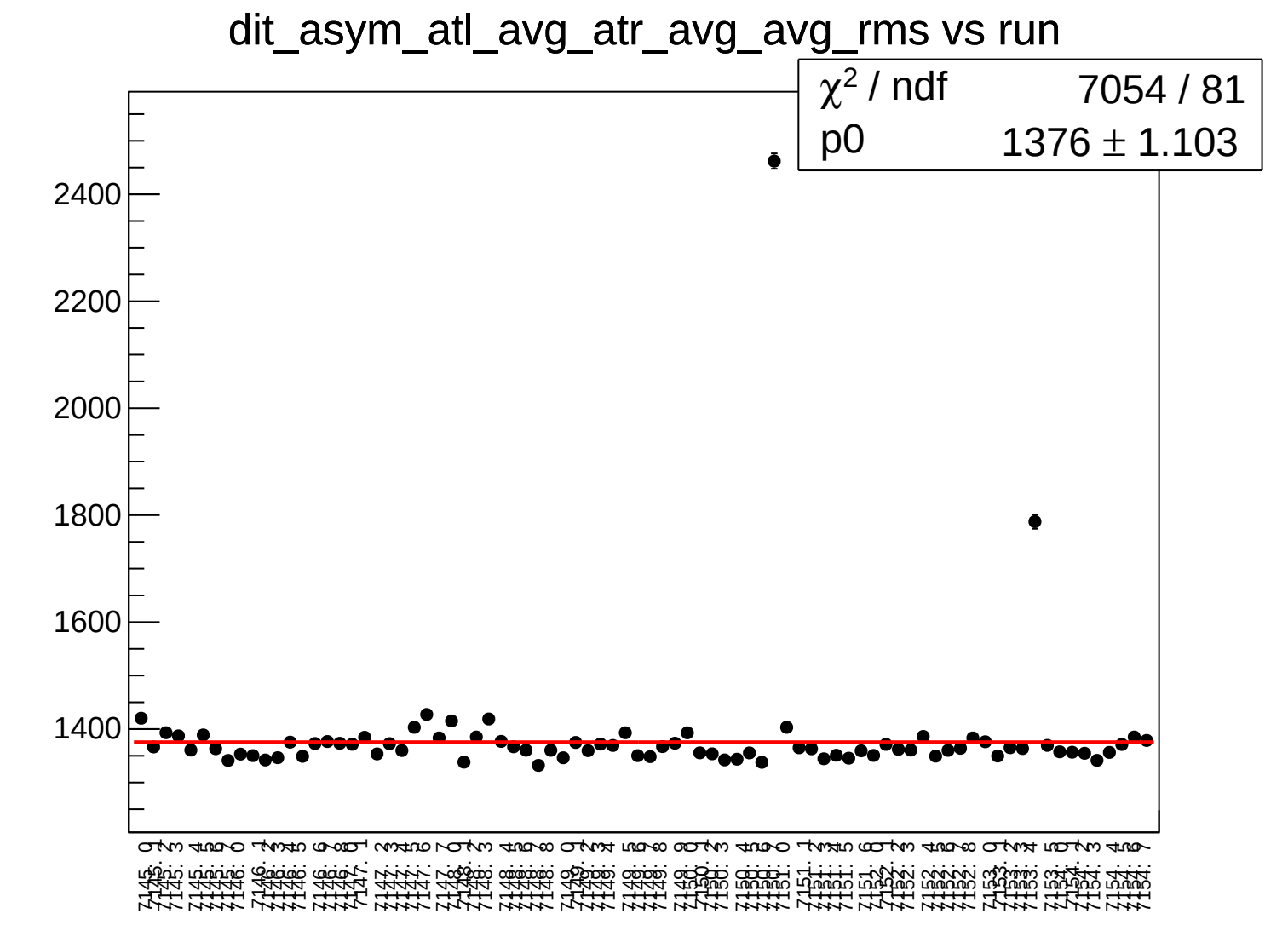

asym_atr_dd_correction_rms vs run
χ² / ndf 4.994e+04 / 81
p0 4771 ± 3.878
8000
7500
7000
6500
6000
5500
5000
4500
4000
3500

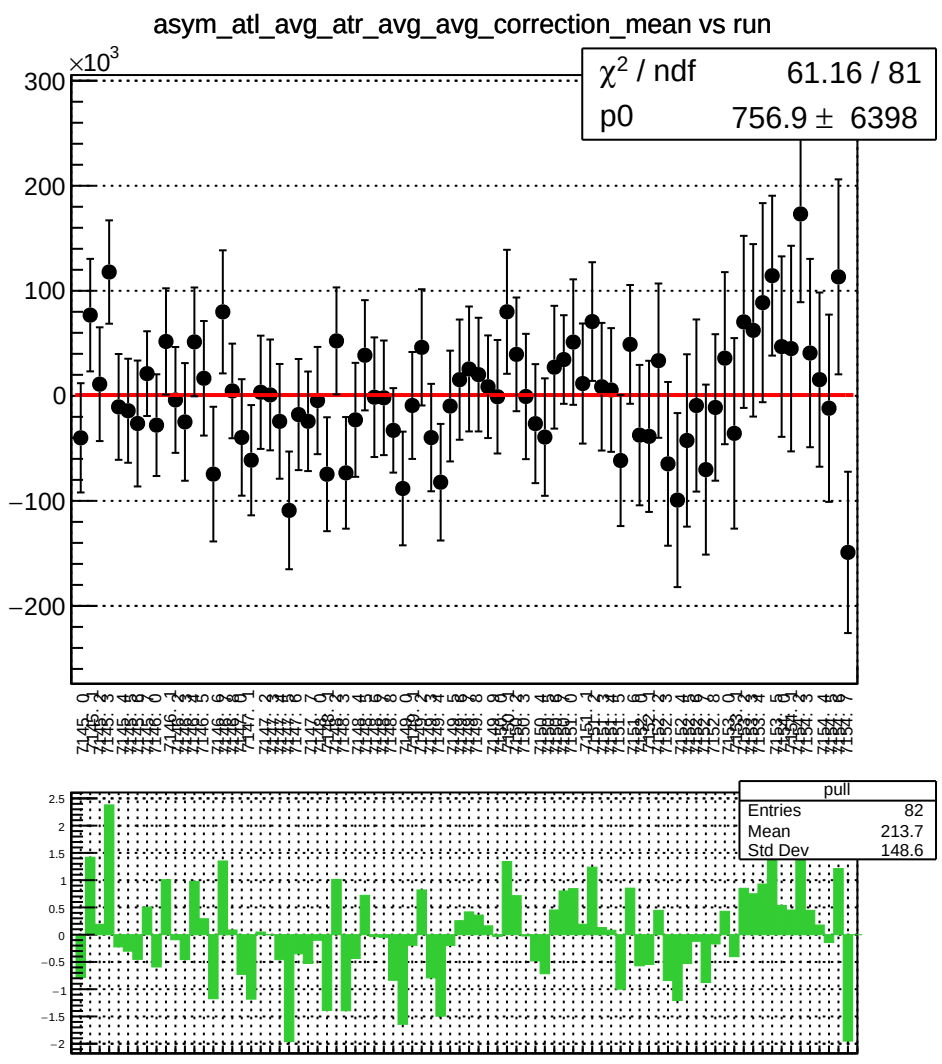

asym_atr_dd_mean vs run
×10^3
χ² / ndf 66.53 / 81
p0 6986 ± 5863
200
100
0
−100
−200
pull
Entries 82
Mean 233.5
Std Dev 176
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

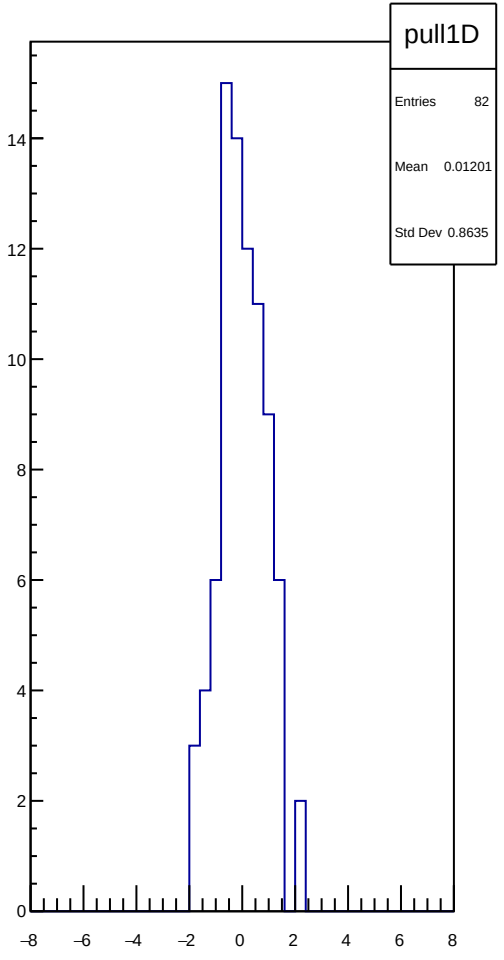

pull1D
Entries 82
Mean 0.01406
Std Dev 0.9007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

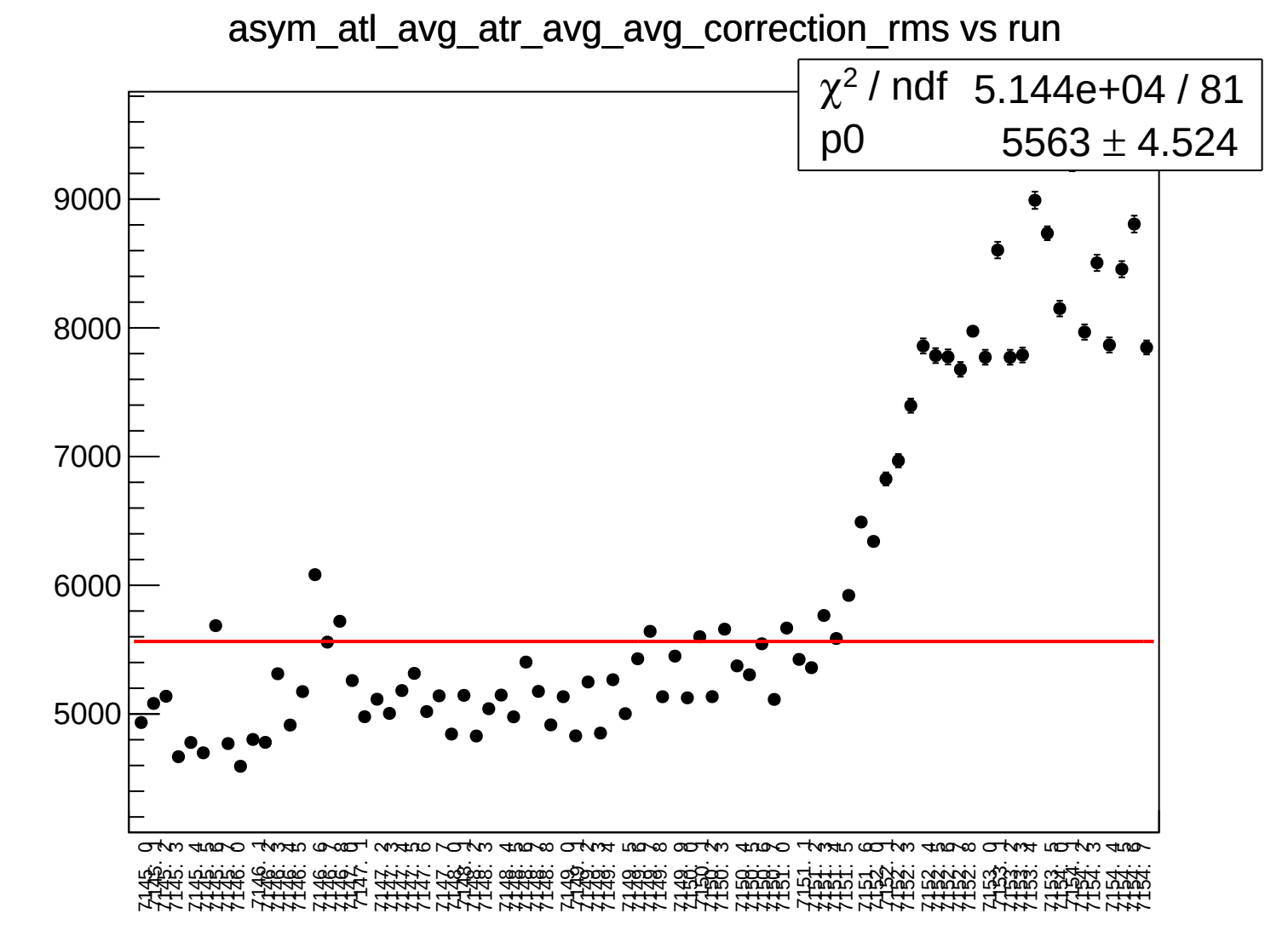

asym_atr_dd_rms vs run
χ² / ndf 3.916e+04 / 81
p0 5119 ± 4.146
8000
7500
7000
6500
6000
5500
5000
4500
4000

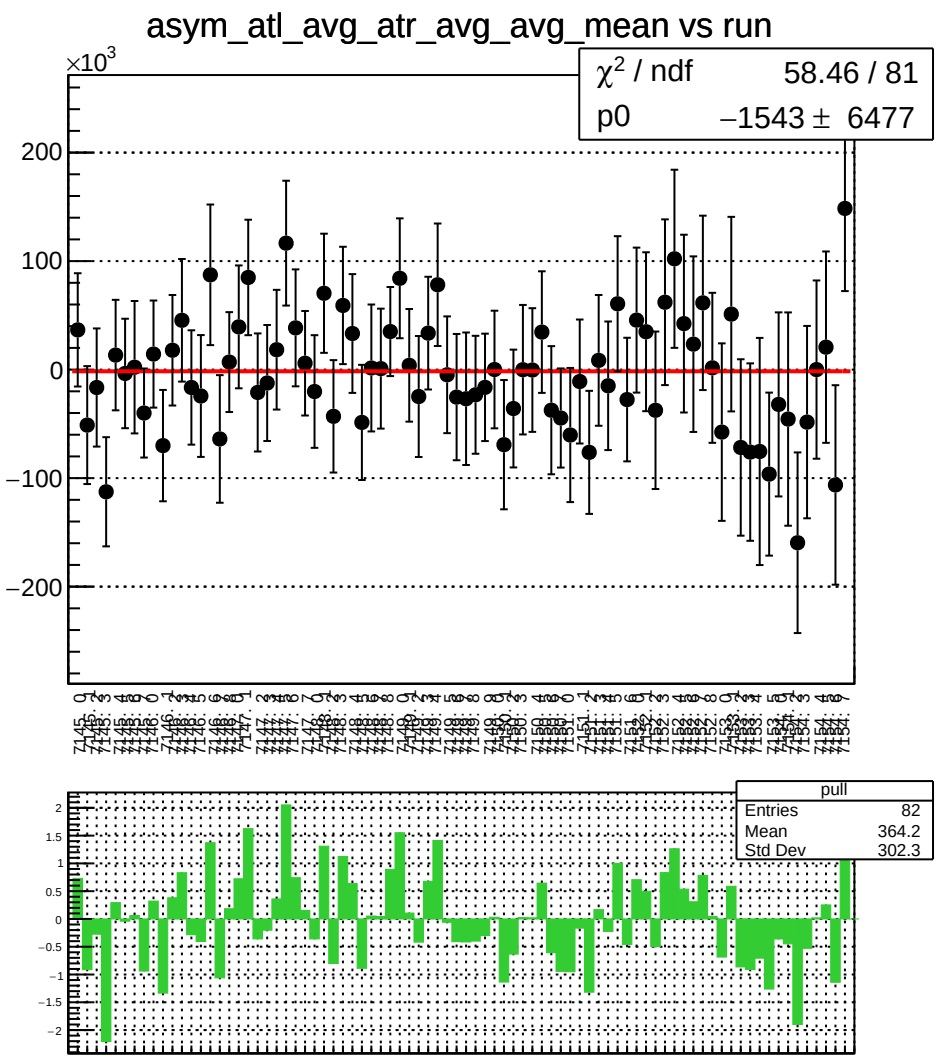

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 68.91 / 81
p0 65.45 ± 1559
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −642.1
Std Dev 703.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −0.002493
Std Dev 0.9167
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

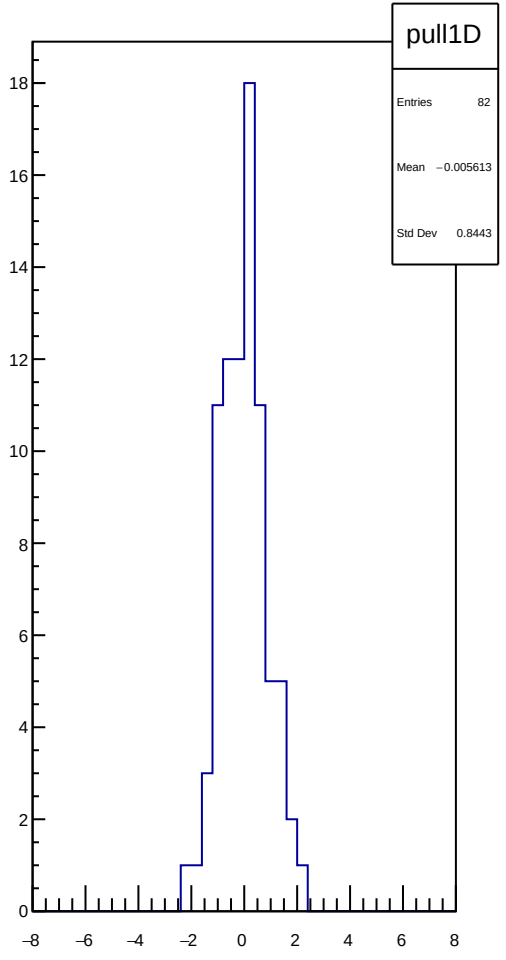

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7054 / 81
p0 1376 ± 1.103
2400
2200
2000
1800
1600
1400

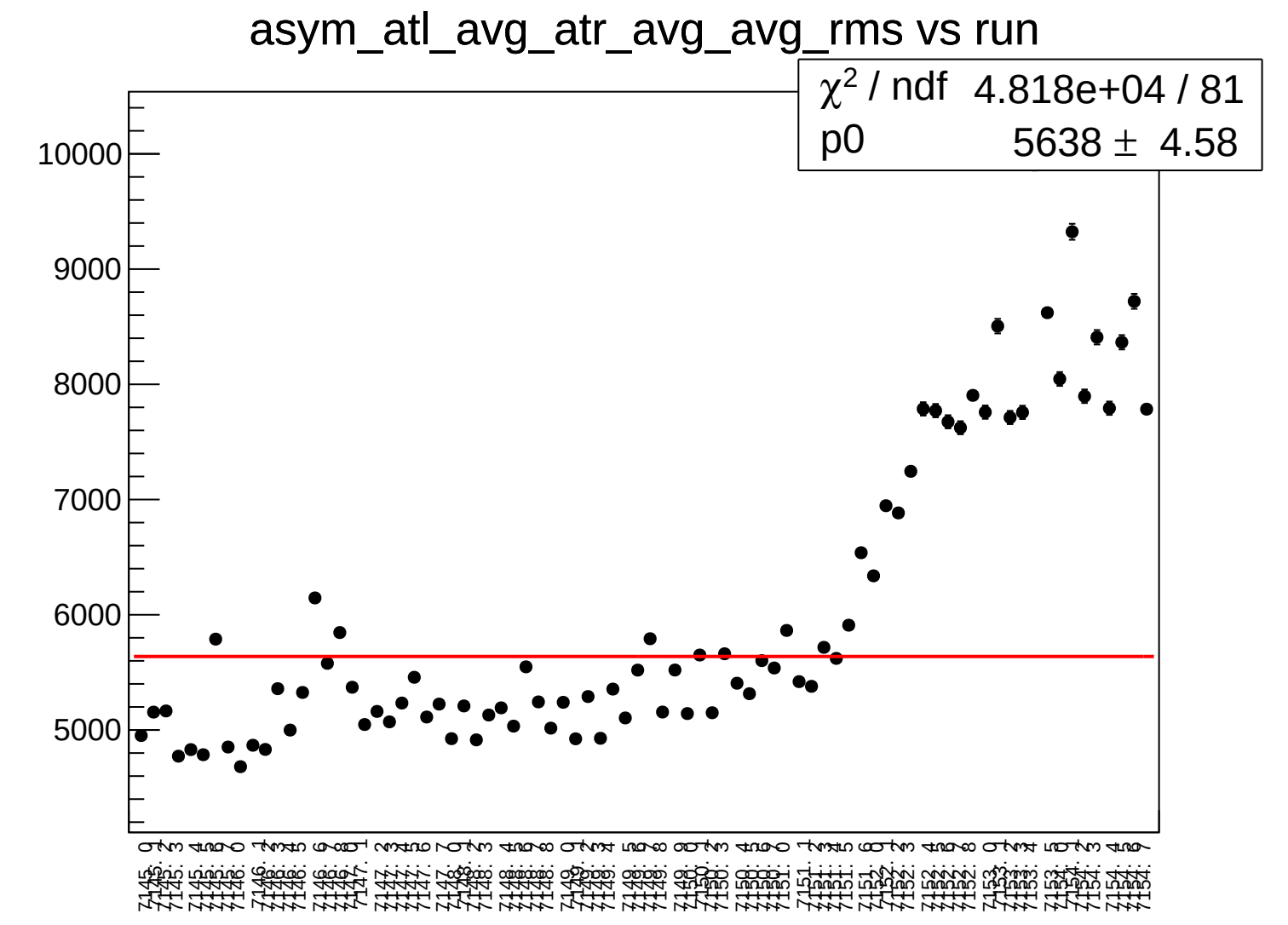

asym_atl_avg_atr_avg_avg_correction_mean vs run
χ² / ndf 61.16 / 81
p0 756.9 ± 6398
pull
Entries 82
Mean 213.7
Std Dev 148.6

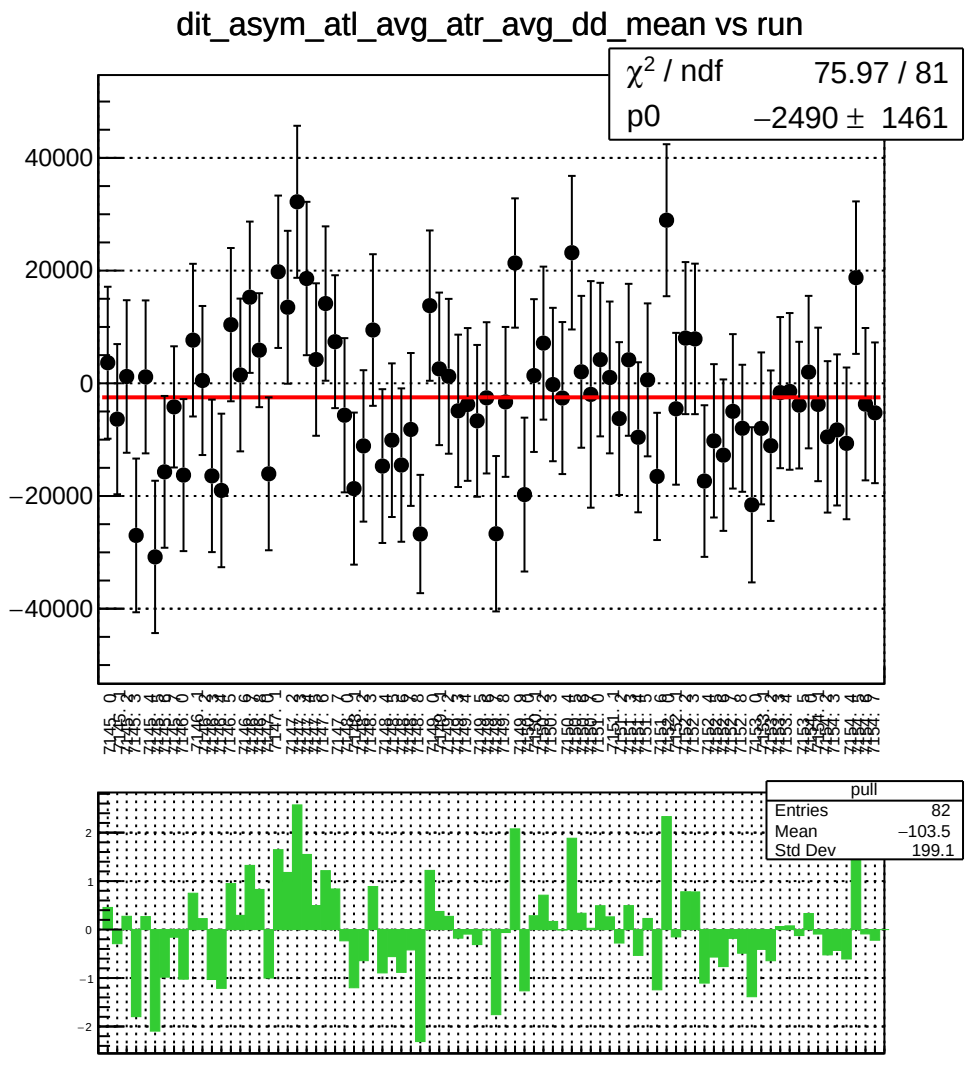

pull1D
Entries 82
Mean 0.01201
Std Dev 0.8635

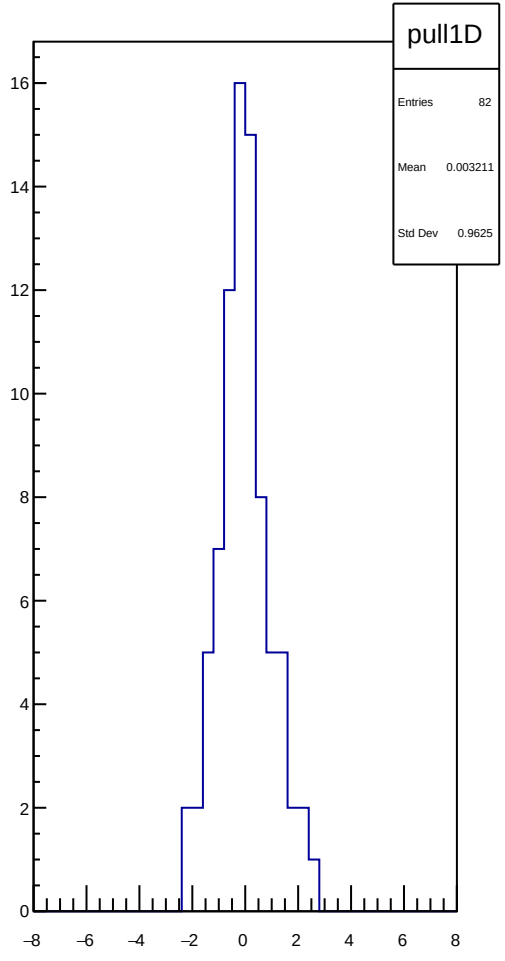

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5.144e+04 / 81
p0 5563 ± 4.524
9000
8000
7000
6000
5000

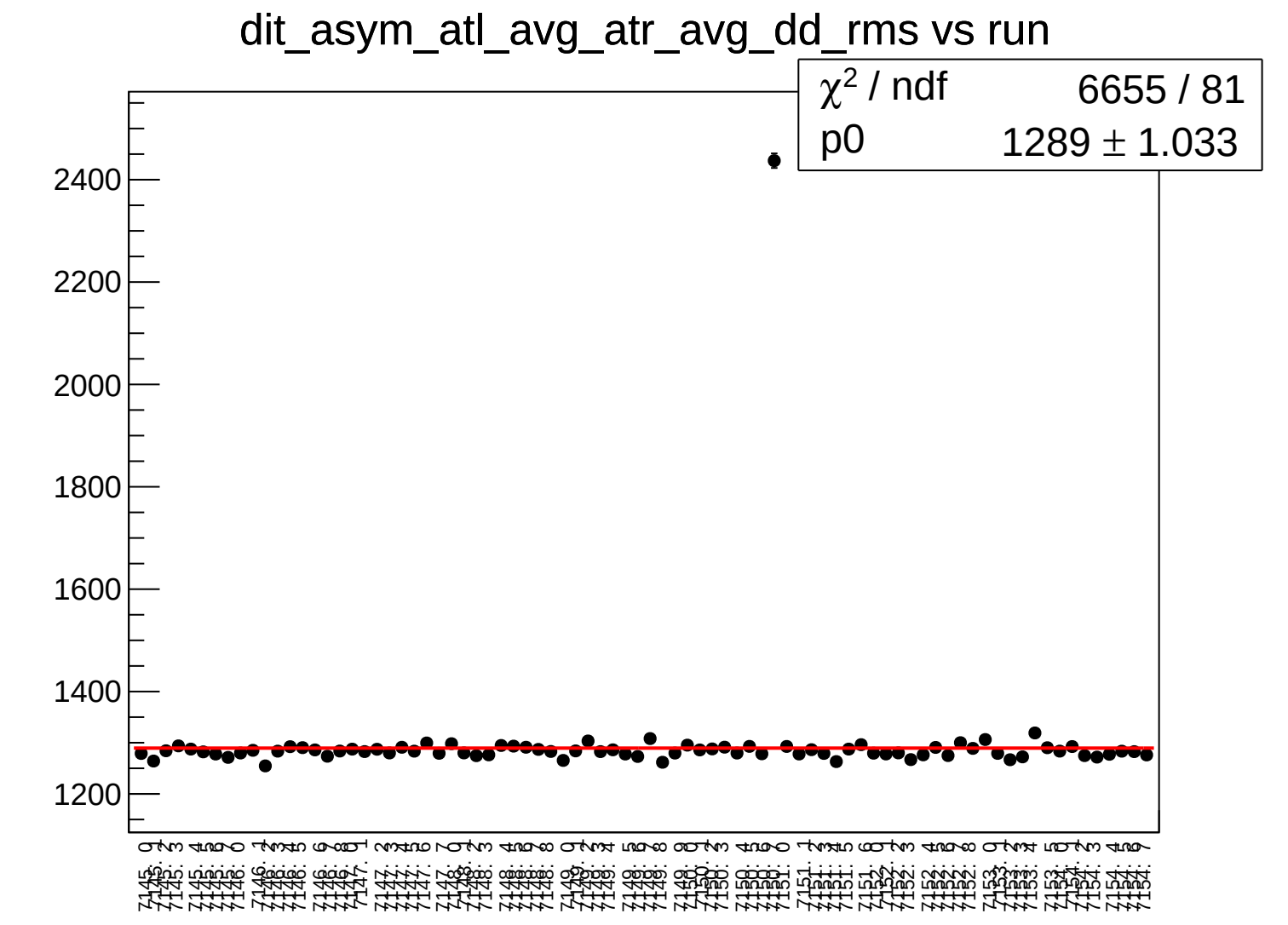

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 58.46 / 81
p0 −1543 ± 6477
200
100
0
−100
−200
pull
Entries 82
Mean 364.2
Std Dev 302.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

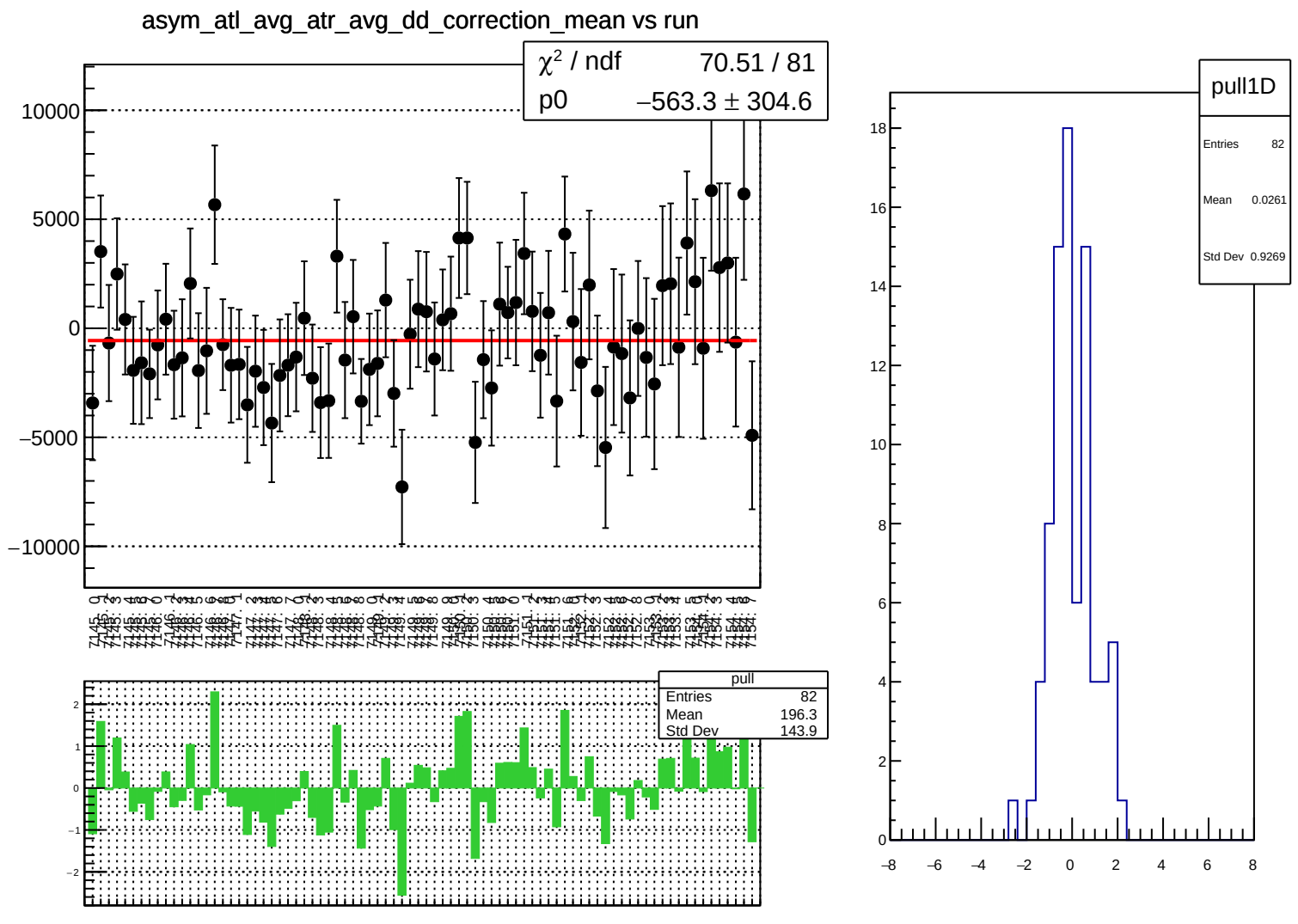

pull1D
Entries 82
Mean −0.005613
Std Dev 0.8443
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

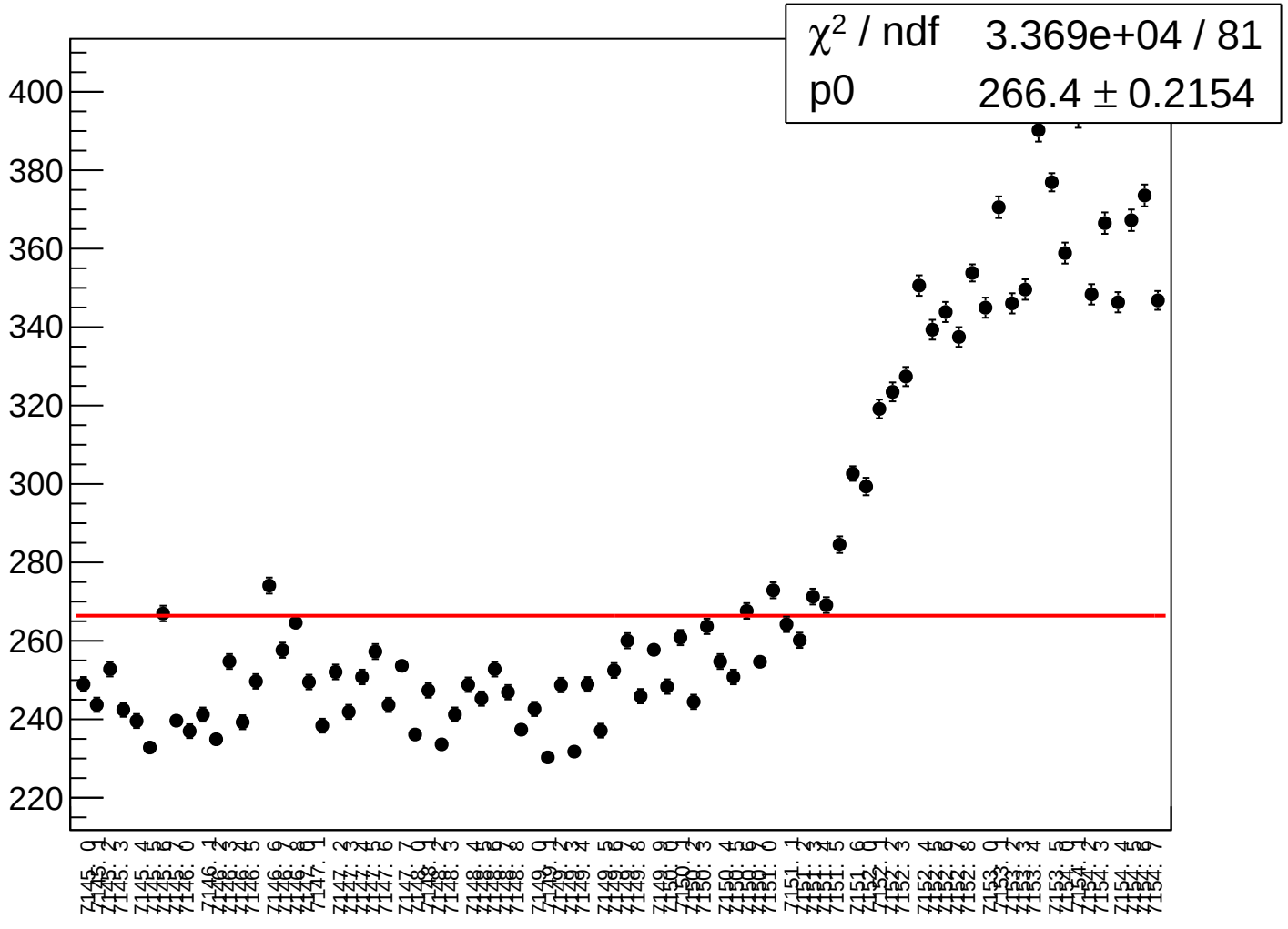

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 4.818e+04 / 81
p0 5638 ± 4.58
10000
9000
8000
7000
6000
5000

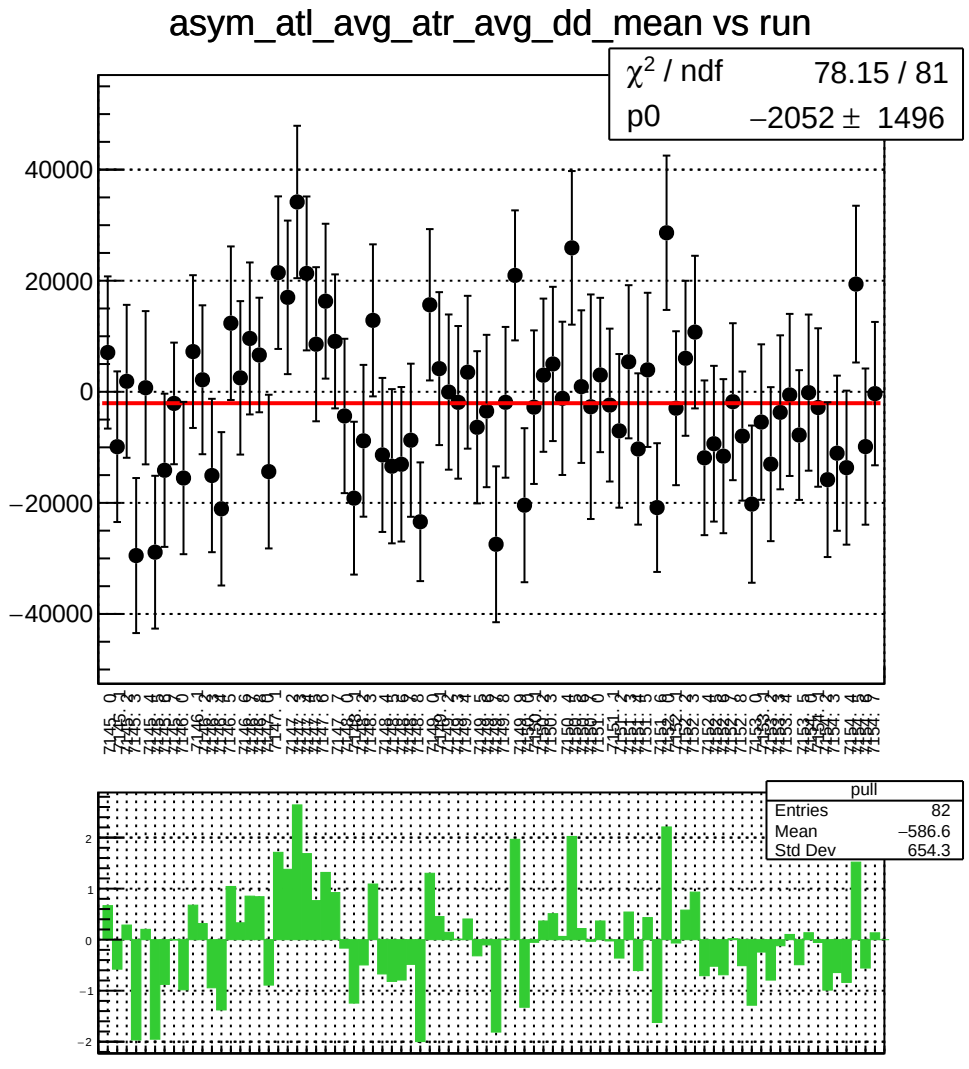

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 75.97 / 81
p0 −2490 ± 1461
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −103.5
Std Dev 199.1
2
1
0
−1
−2

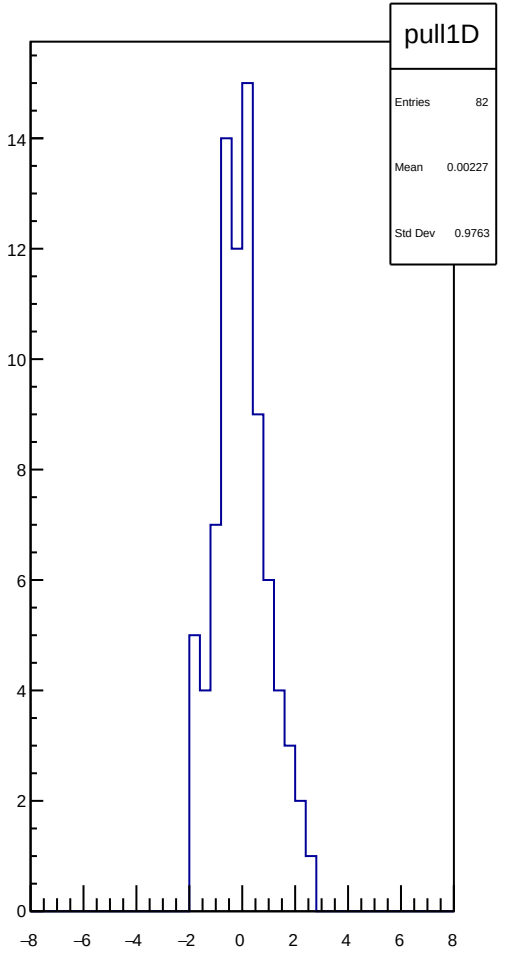

pull1D
Entries 82
Mean 0.003211
Std Dev 0.9625
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

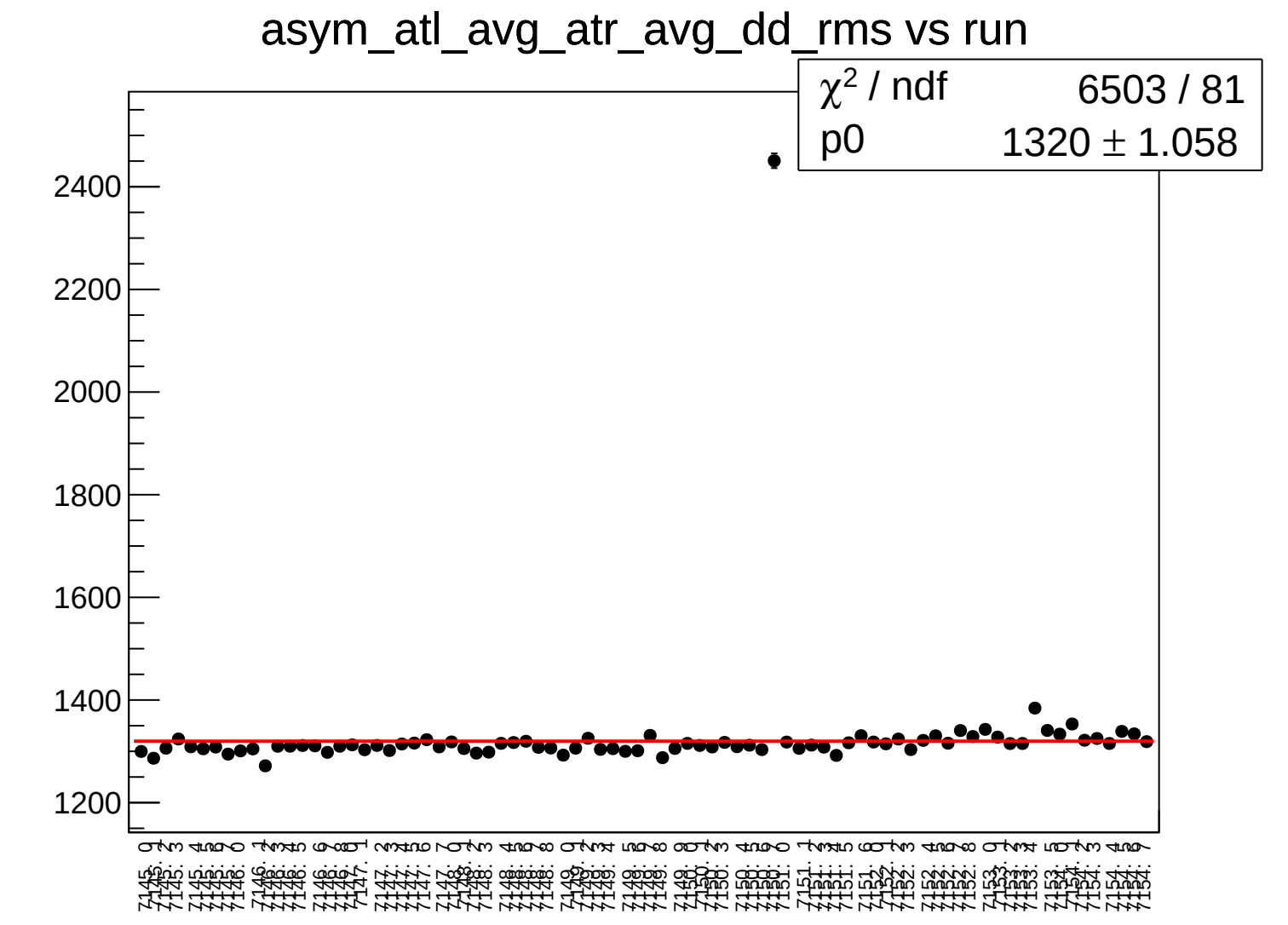

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6655 / 81
p0 1289 ± 1.033
2400
2200
2000
1800
1600
1400
1200

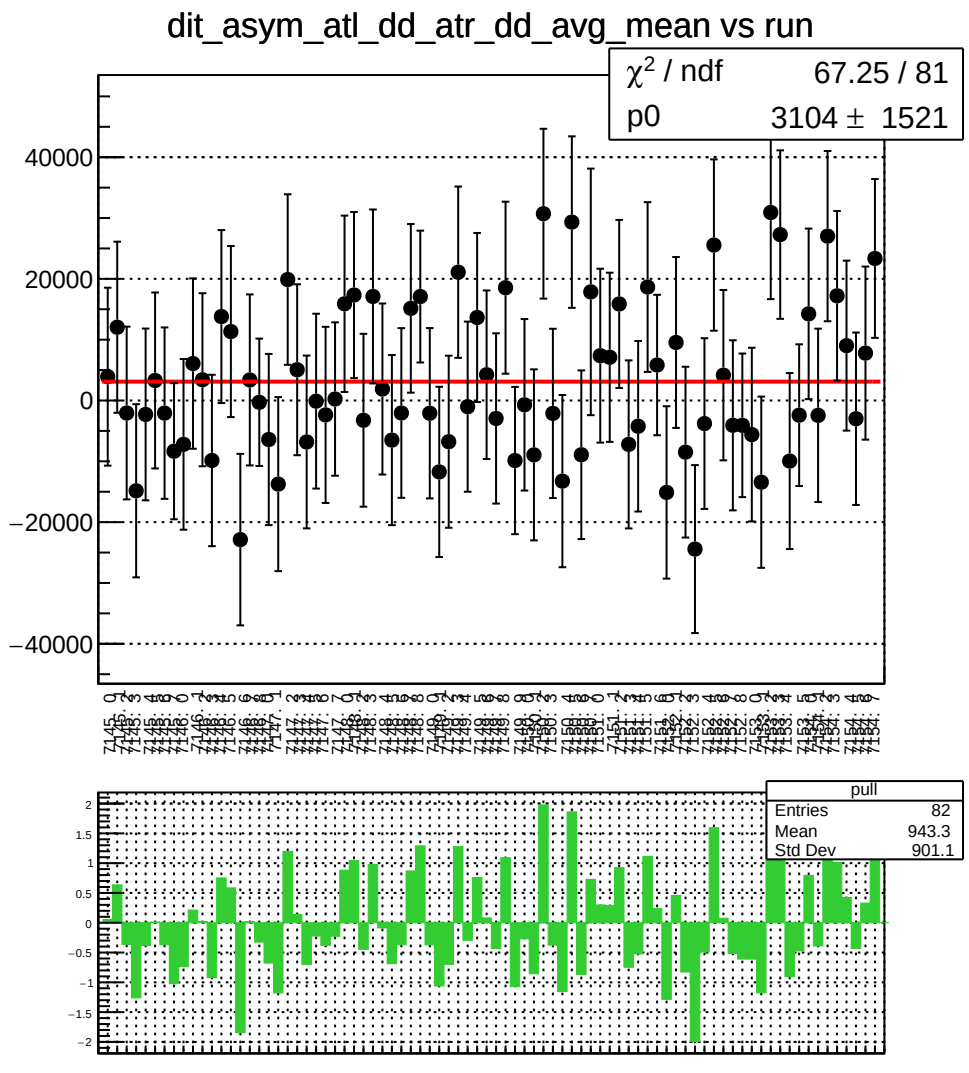

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 70.51 / 81
p0 −563.3 ± 304.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 196.3
Std Dev 143.9
pull1D
Entries 82
Mean 0.0261
Std Dev 0.9269

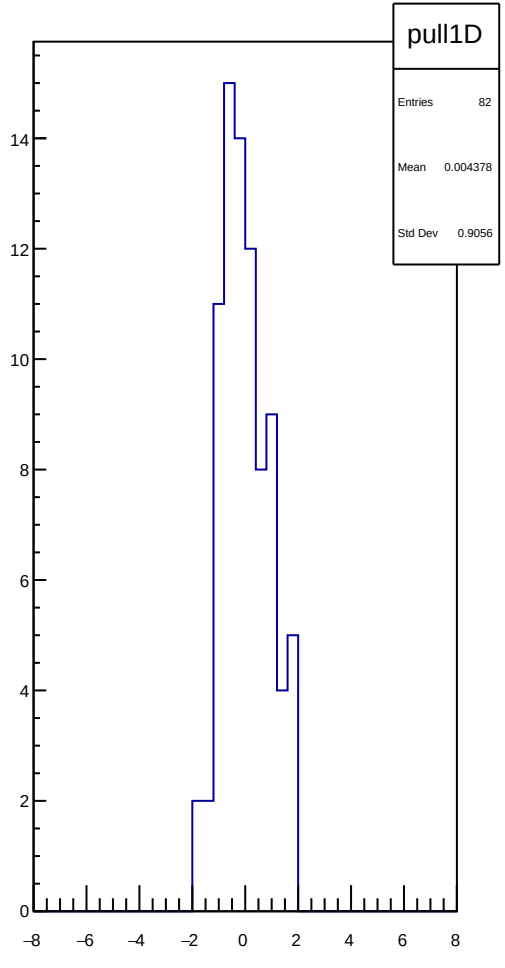

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.369e+04 / 81
p0 266.4 ± 0.2154
400
380
360
340
320
300
280
260
240
220

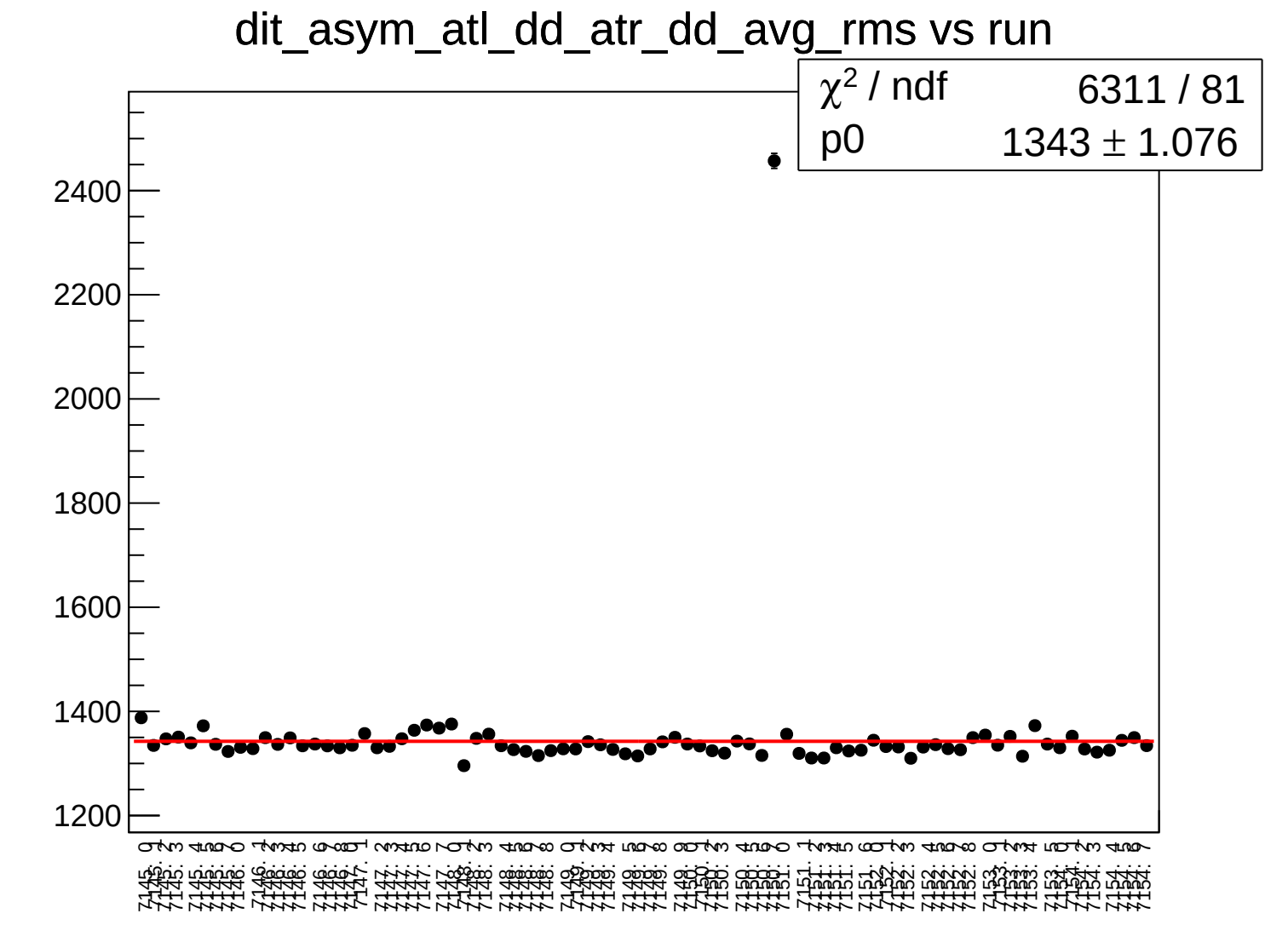

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 78.15 / 81
p0 −2052 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −586.6
Std Dev 654.3
2
1
0
−1
−2

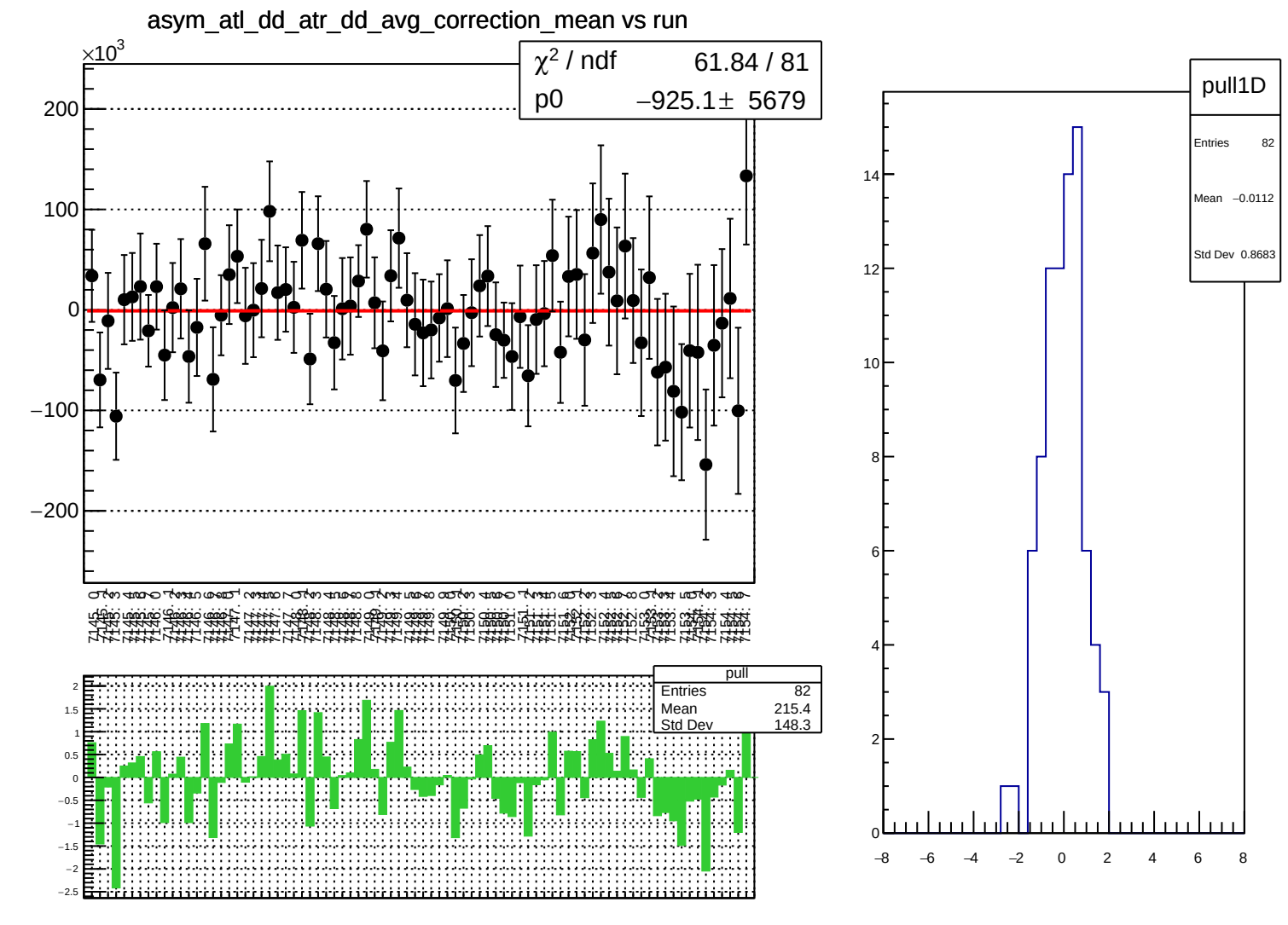

pull1D
Entries 82
Mean 0.00227
Std Dev 0.9763
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

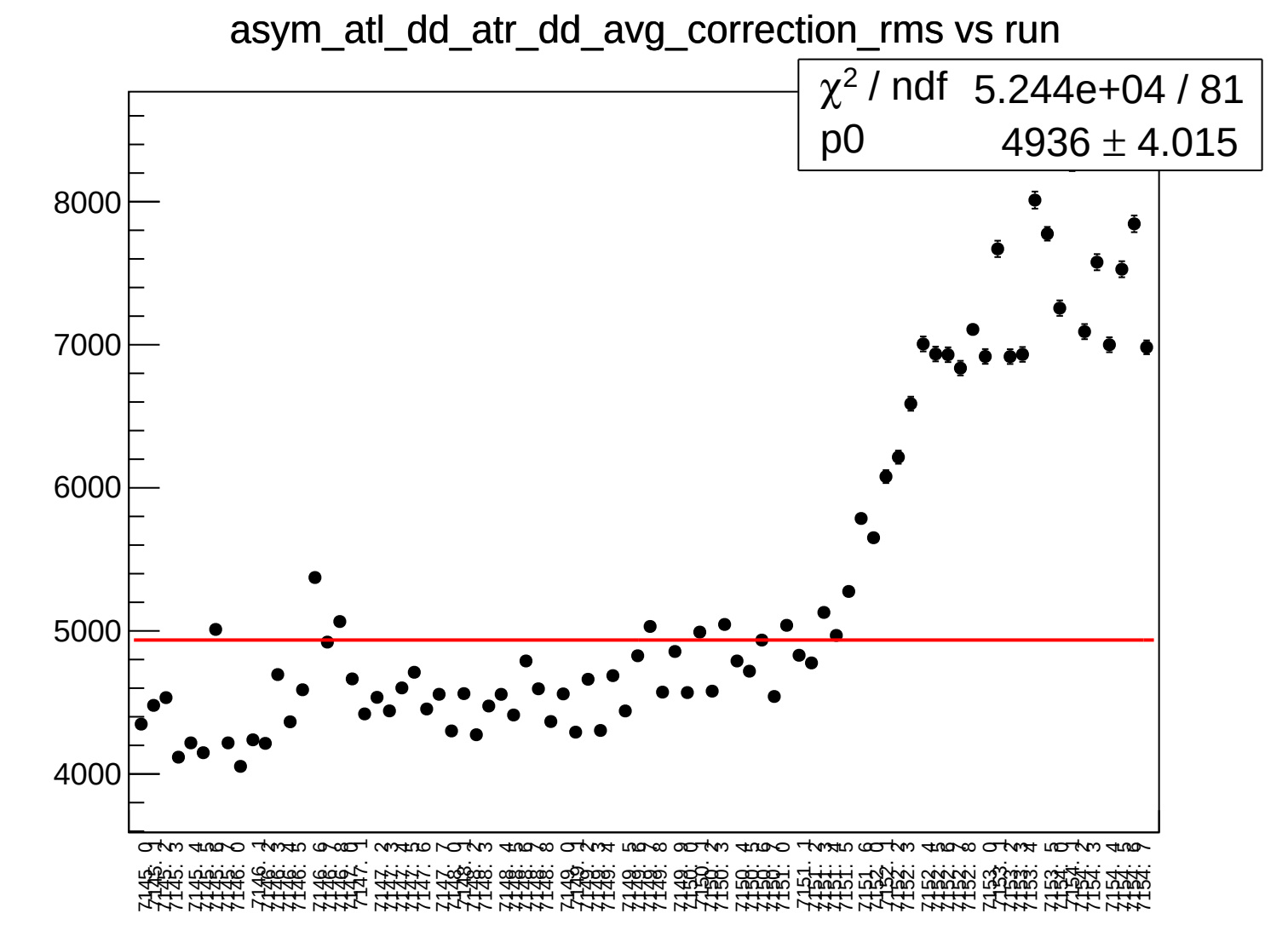

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6503 / 81
p0 1320 ± 1.058
2400
2200
2000
1800
1600
1400
1200

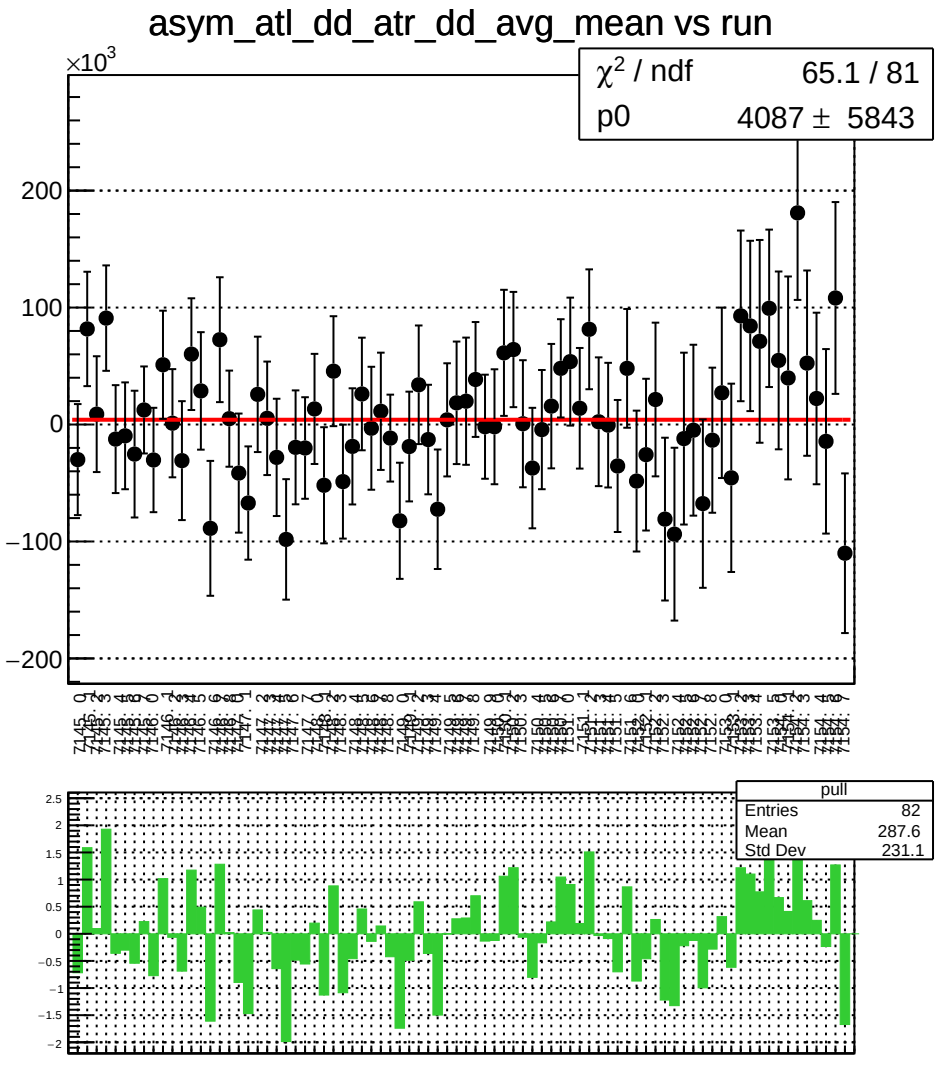

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 67.25 / 81
p0 3104 ± 1521
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 943.3
Std Dev 901.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

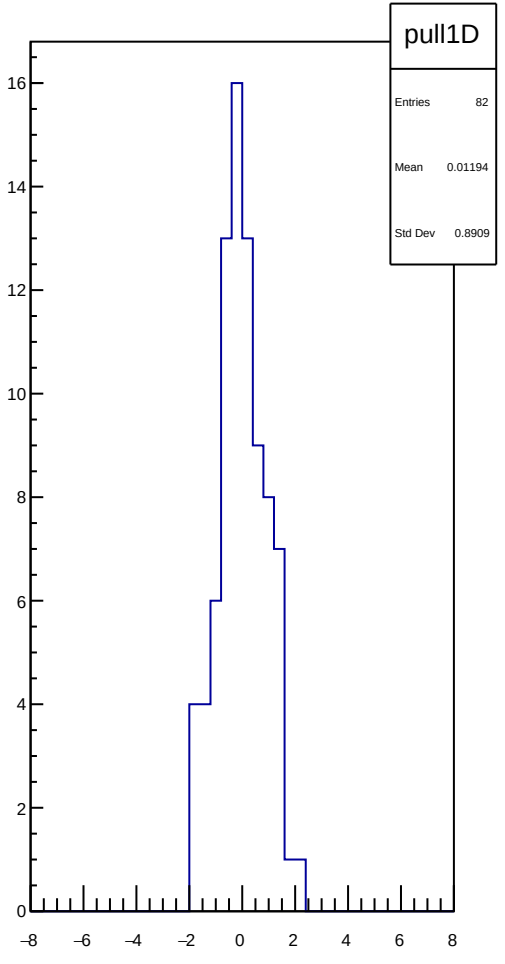

pull1D
Entries 82
Mean 0.004378
Std Dev 0.9056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

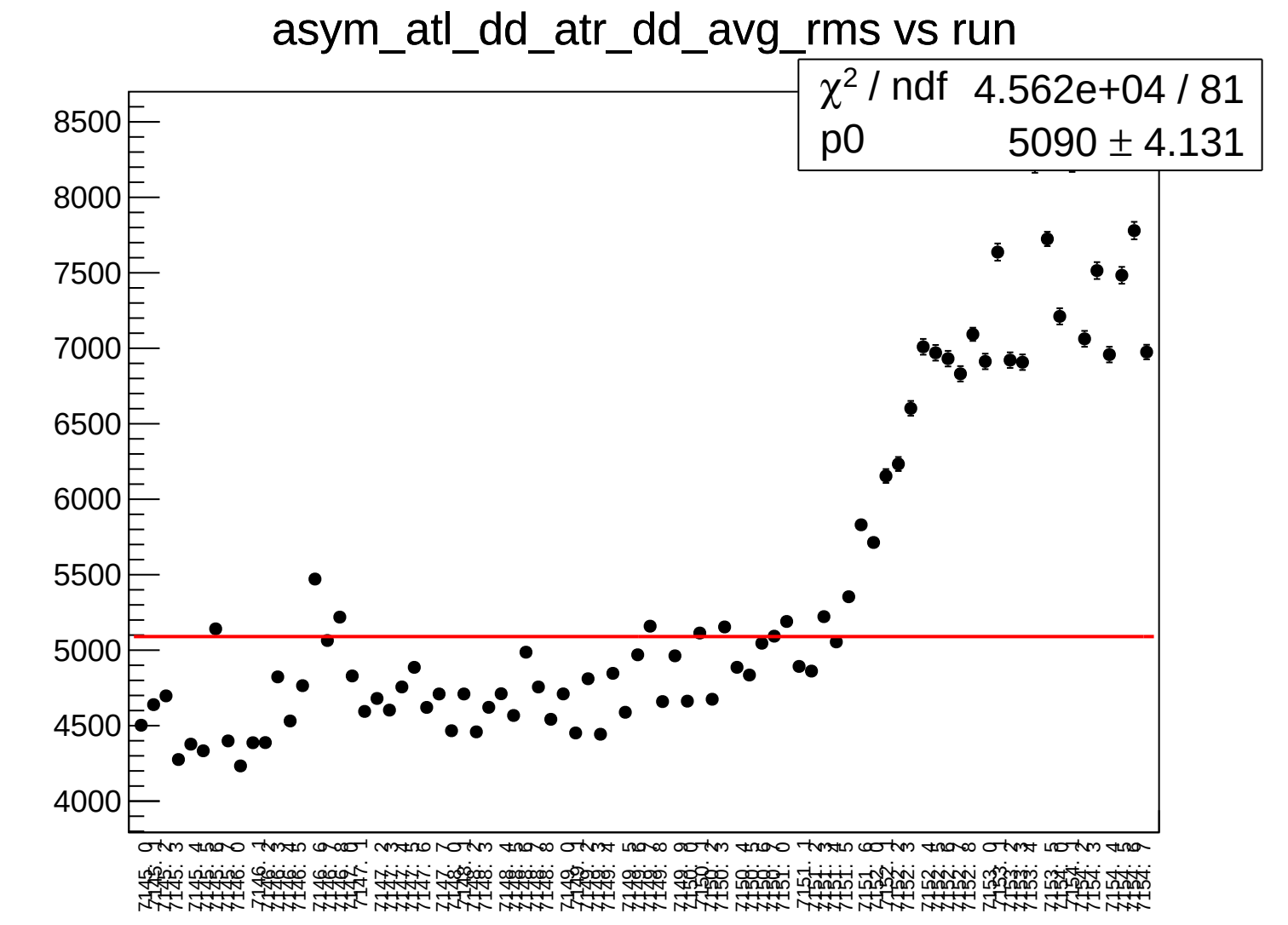

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6311 / 81
p0 1343 ± 1.076
2400
2200
2000
1800
1600
1400
1200

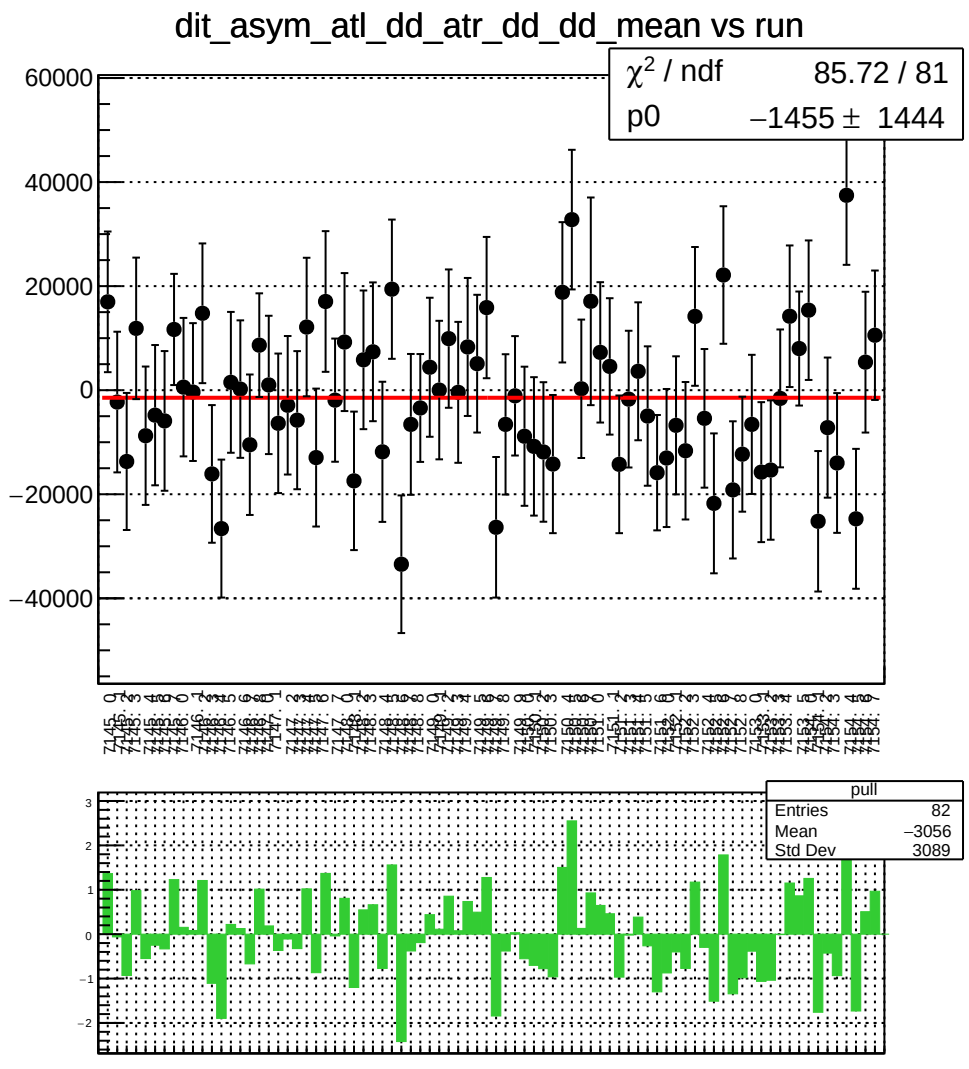

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 61.84 / 81
p0 −925.1± 5679
200
100
0
−100
−200
pull
Entries 82
Mean 215.4
Std Dev 148.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 82
Mean −0.0112
Std Dev 0.8683
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

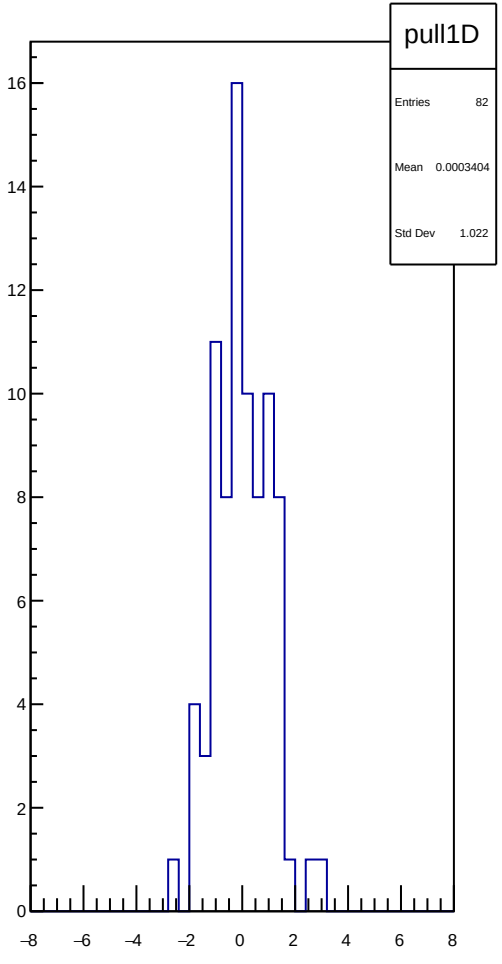

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5.244e+04 / 81
p0 4936 ± 4.015
8000
7000
6000
5000
4000

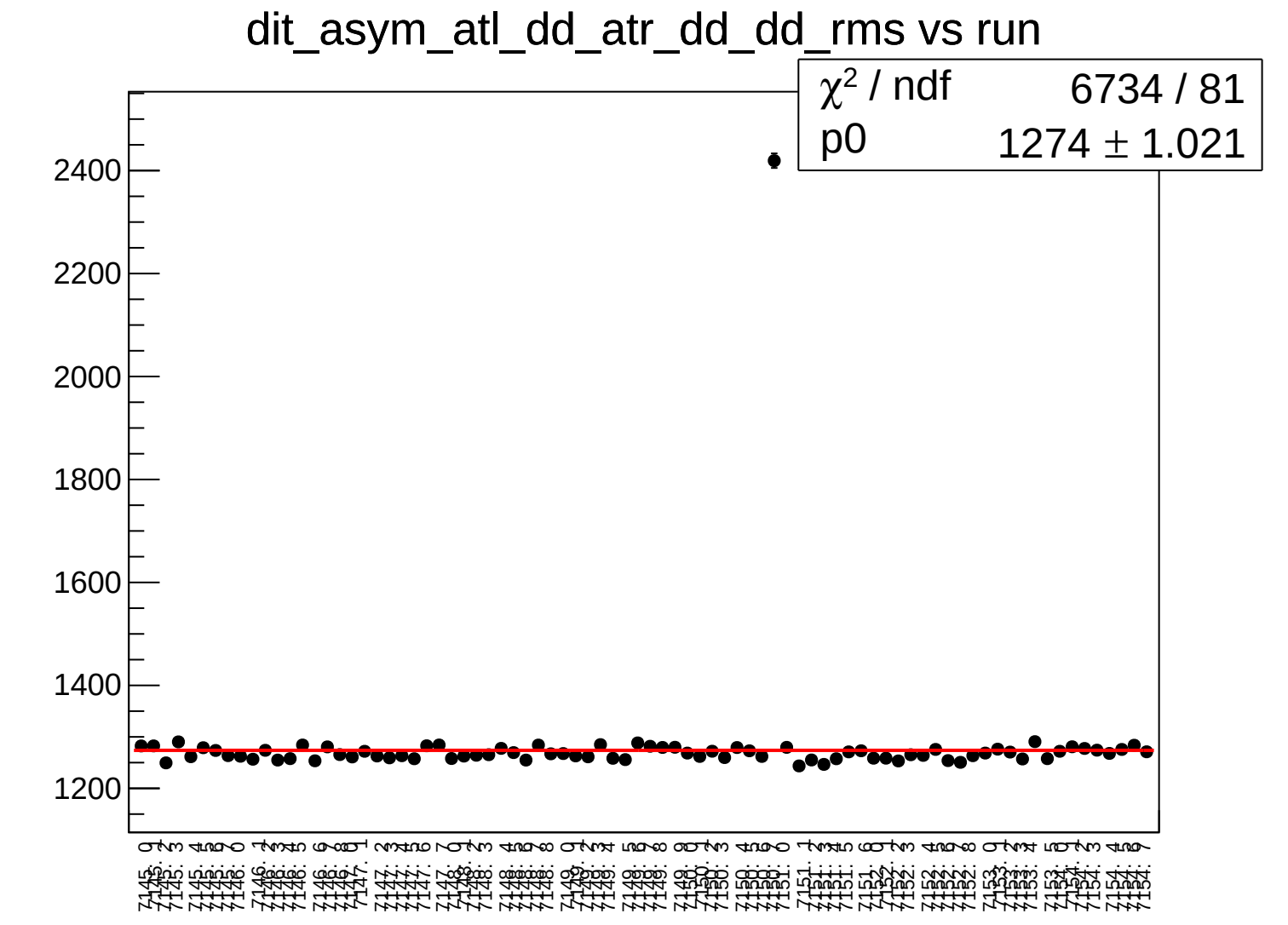

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 65.1 / 81
p0 4087 ± 5843
200
100
0
−100
−200
pull
Entries 82
Mean 287.6
Std Dev 231.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

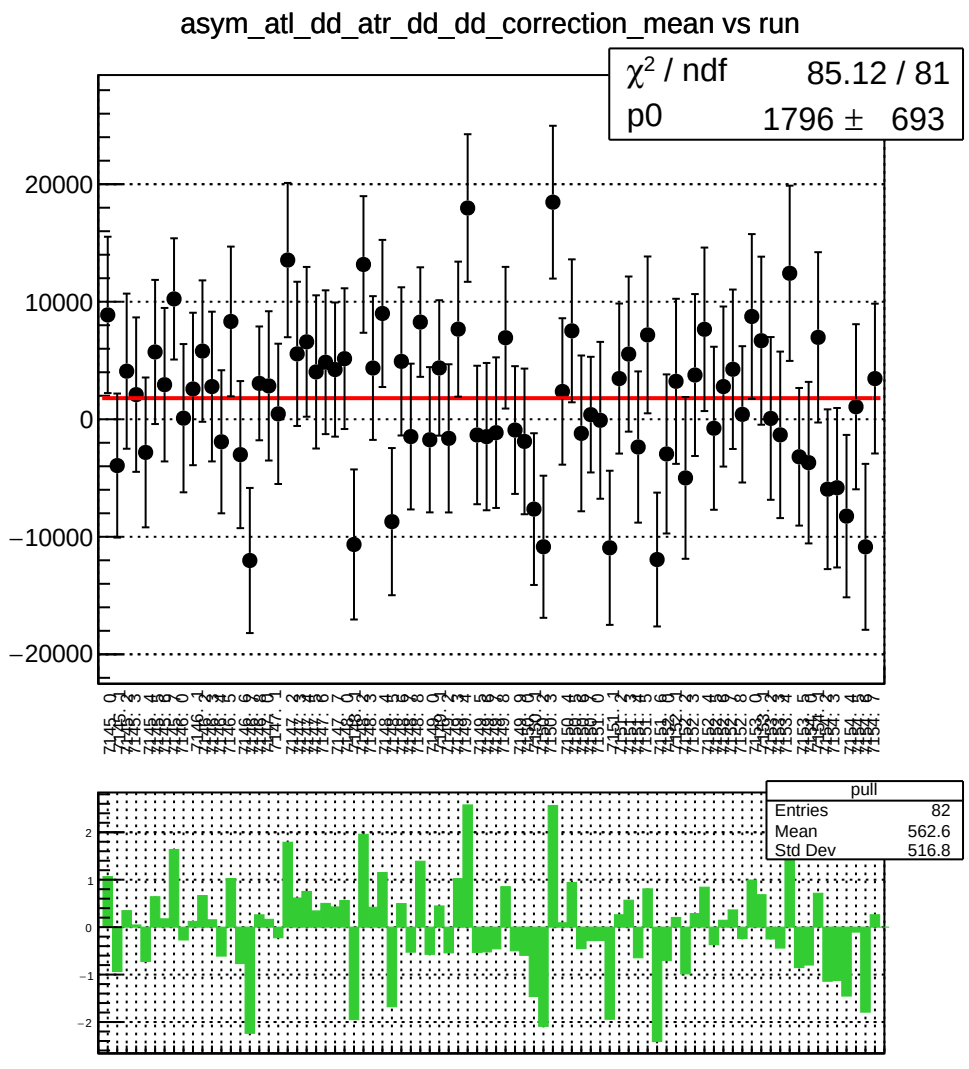

pull1D
Entries 82
Mean 0.01194
Std Dev 0.8909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

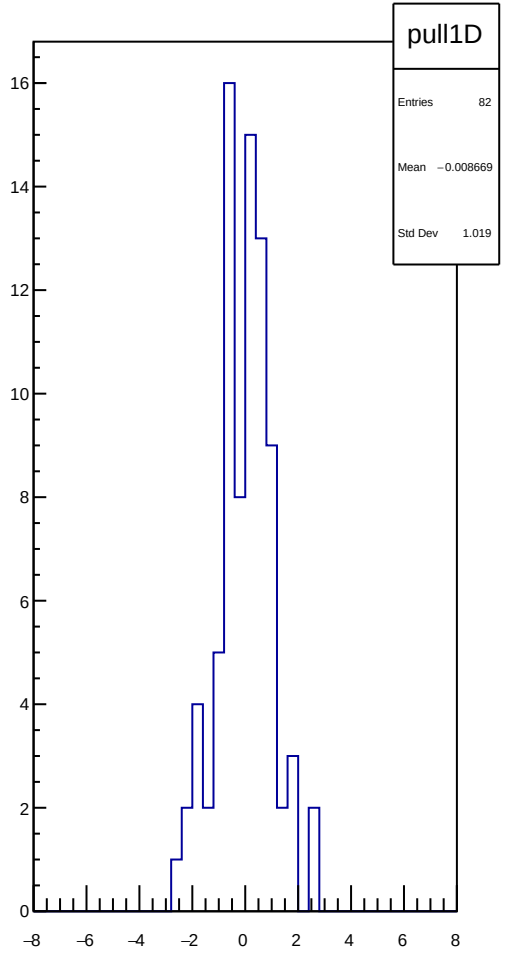

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4.562e+04 / 81
p0 5090 ± 4.131
8500
8000
7500
7000
6500
6000
5500
5000
4500
4000

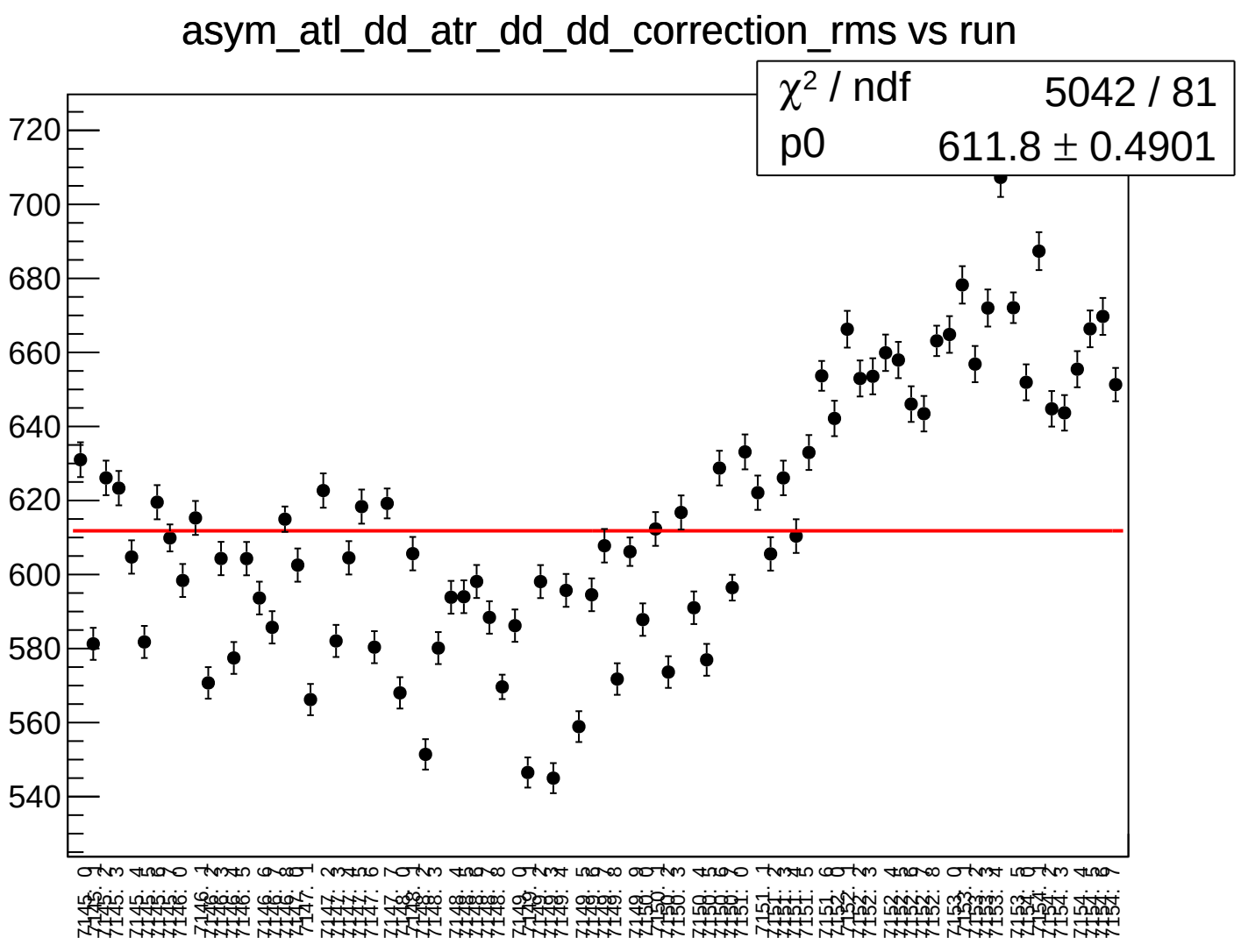

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 85.72 / 81
p0 −1455 ± 1444
pull
Entries 82
Mean −3056
Std Dev 3089

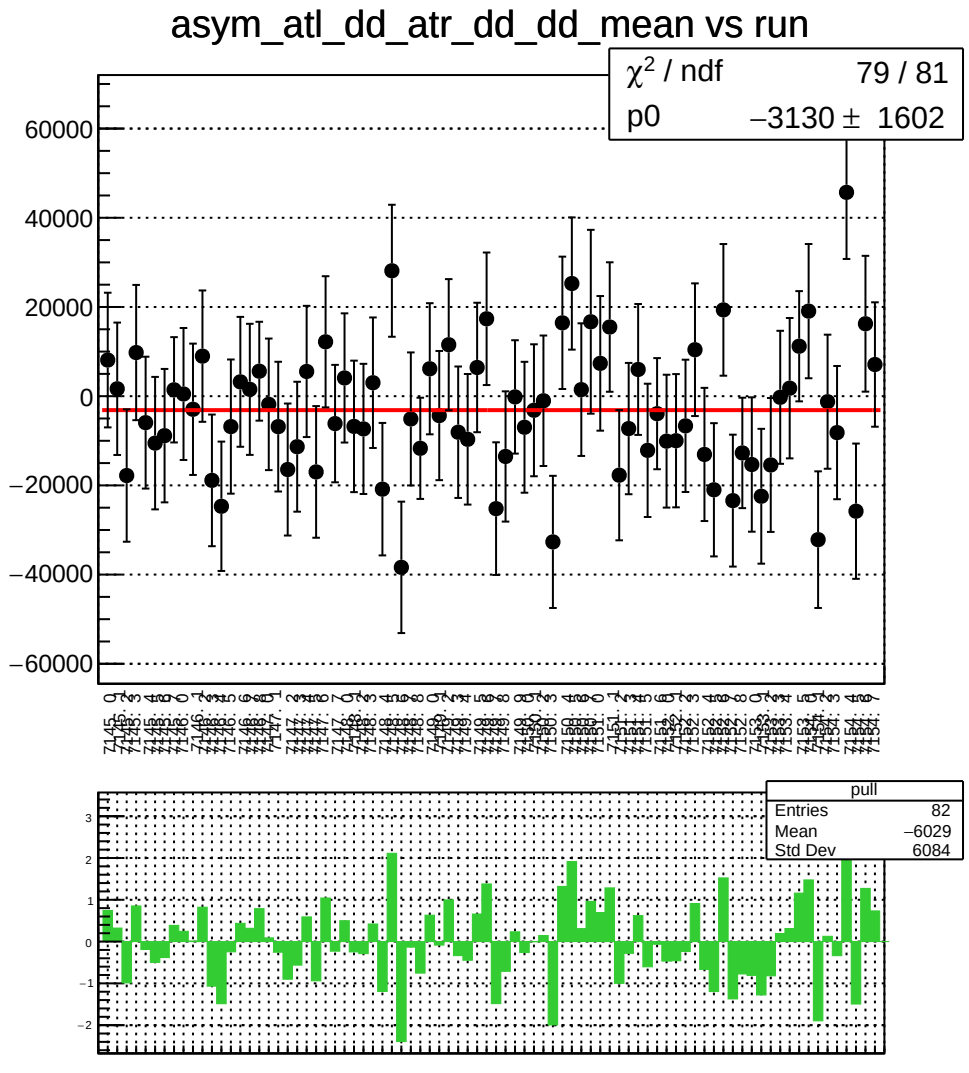

pull1D
Entries 82
Mean 0.0003404
Std Dev 1.022

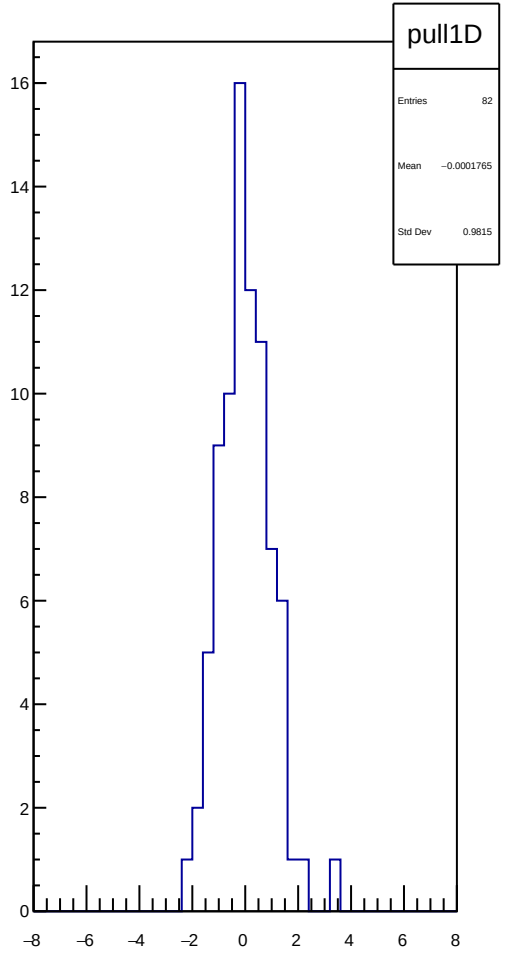

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6734 / 81
p0 1274 ± 1.021
2400
2200
2000
1800
1600
1400
1200

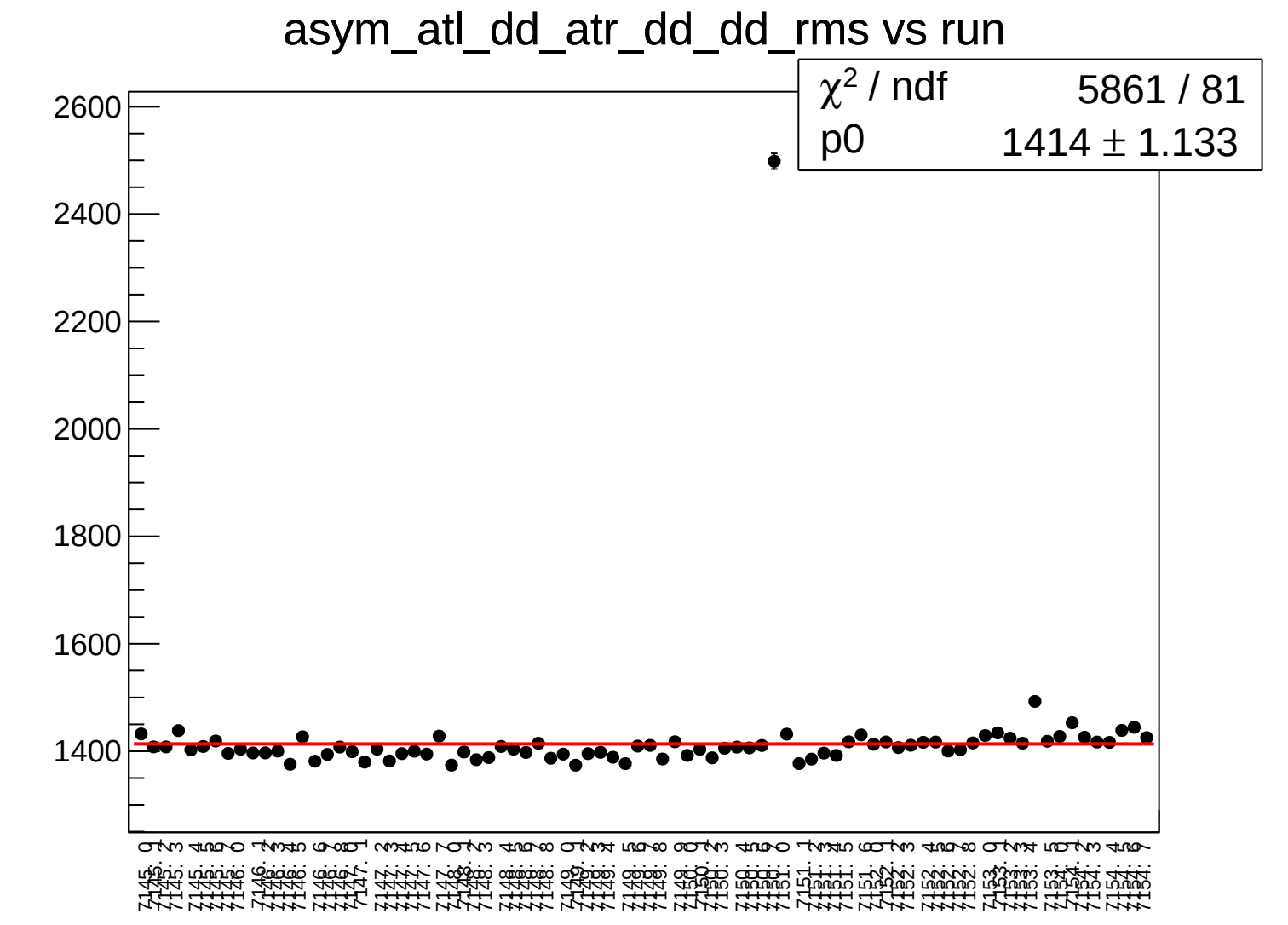

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 85.12 / 81
p0 1796 ± 693
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 562.6
Std Dev 516.8
2
1
0
−1
−2

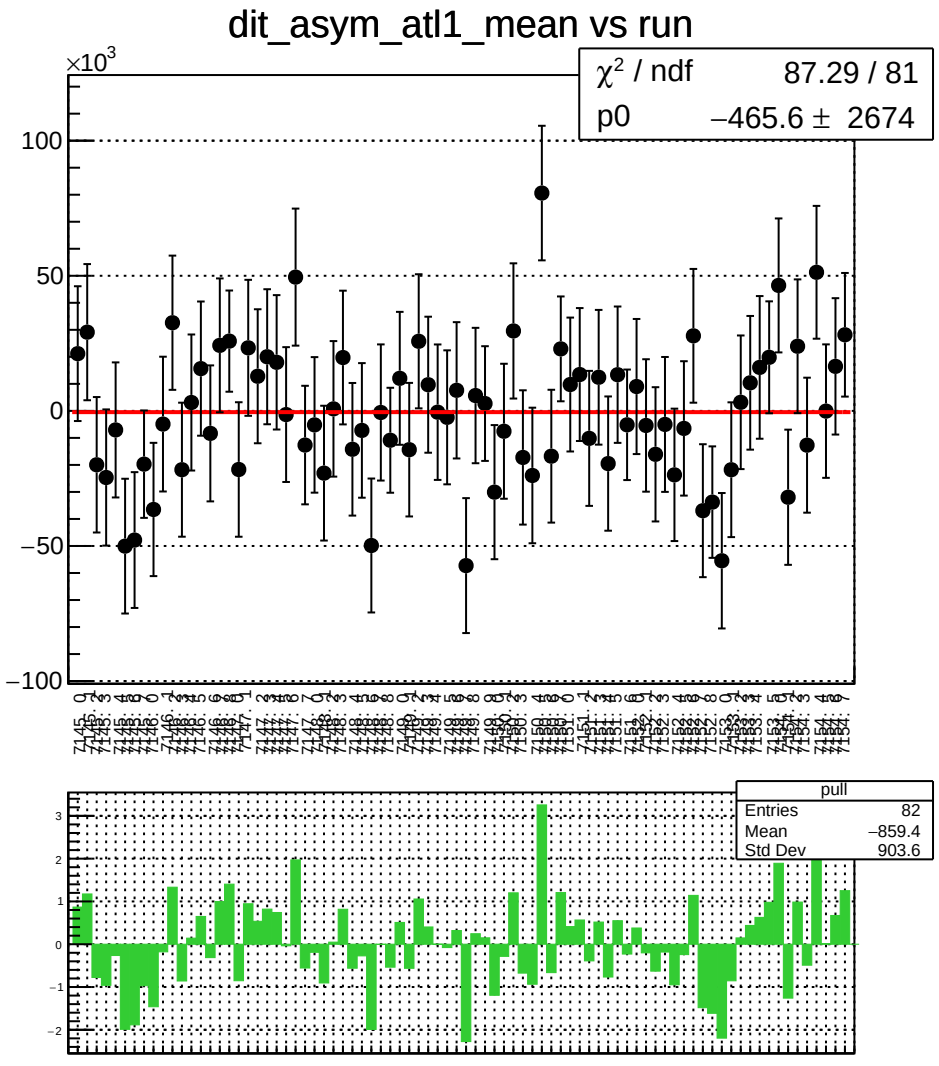

pull1D
Entries 82
Mean −0.008669
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

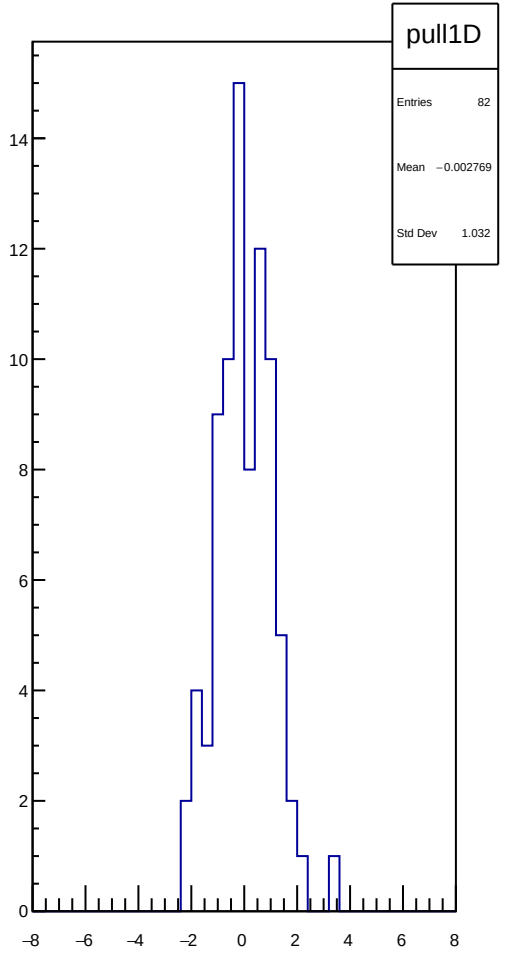

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 5042 / 81
p0 611.8 ± 0.4901
720
700
680
660
640
620
600
580
560
540

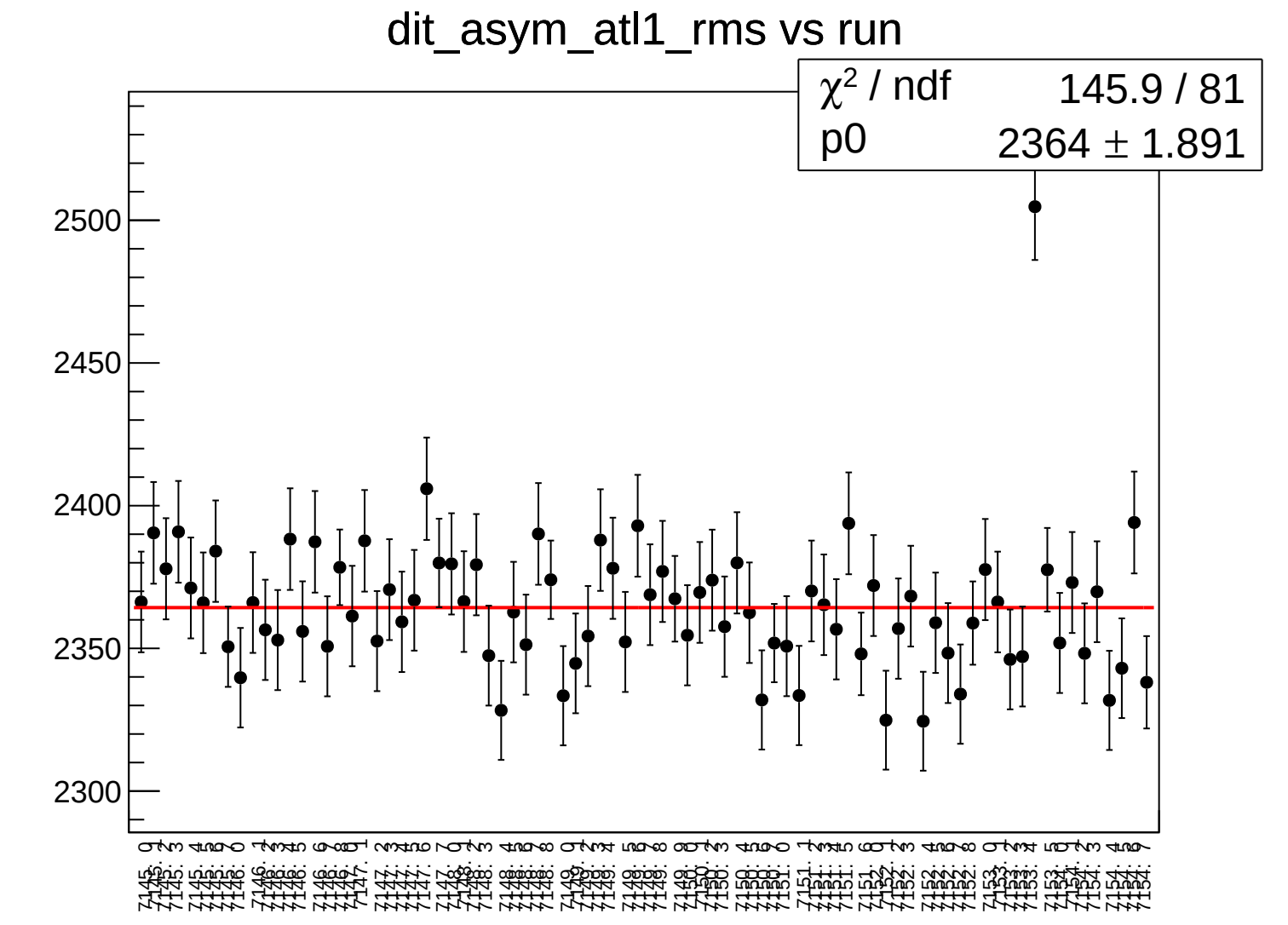

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79 / 81
p0 −3130 ± 1602
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −6029
Std Dev 6084
3
2
1
0
−1
−2

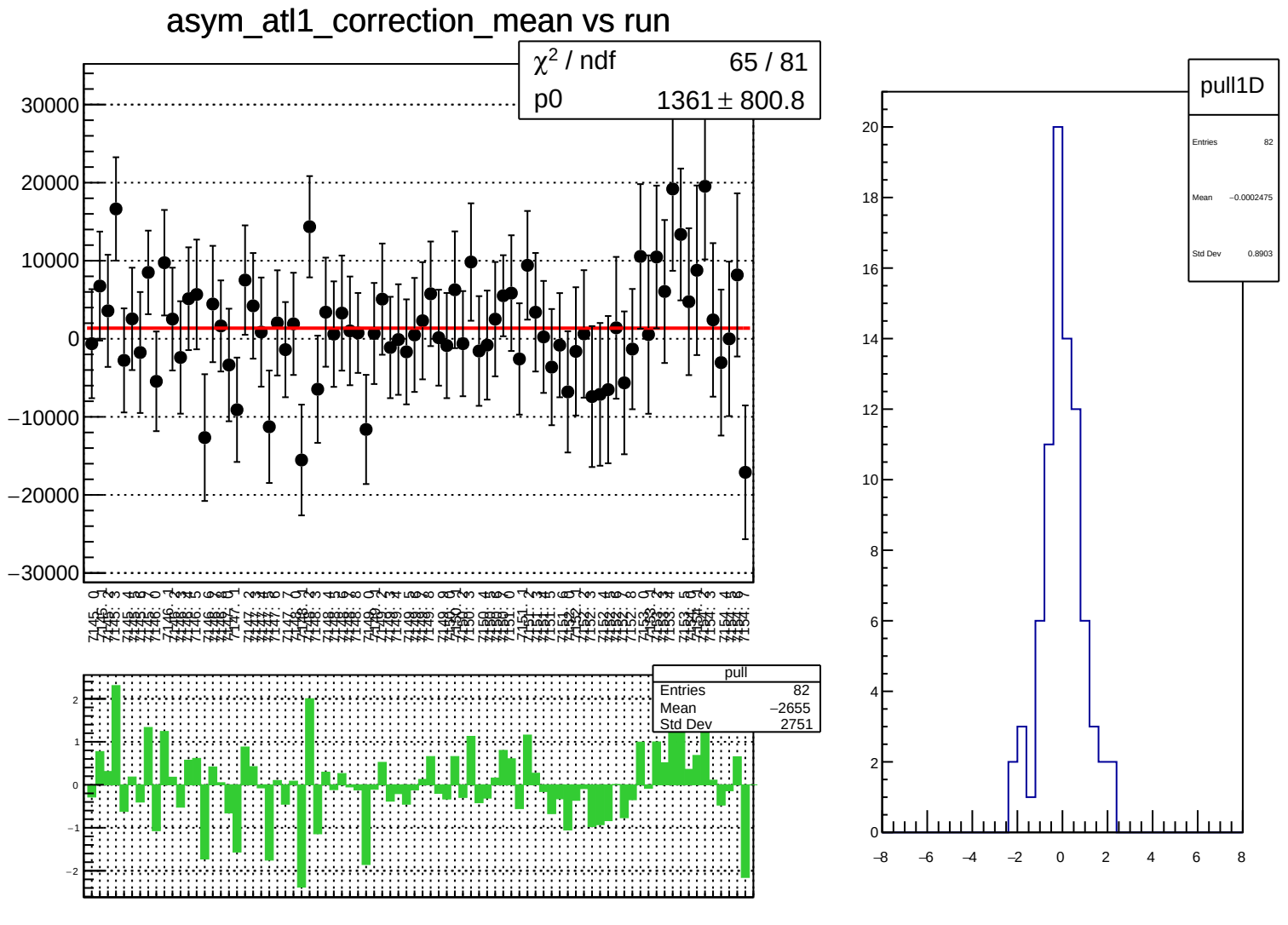

pull1D
Entries 82
Mean −0.0001765
Std Dev 0.9815
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

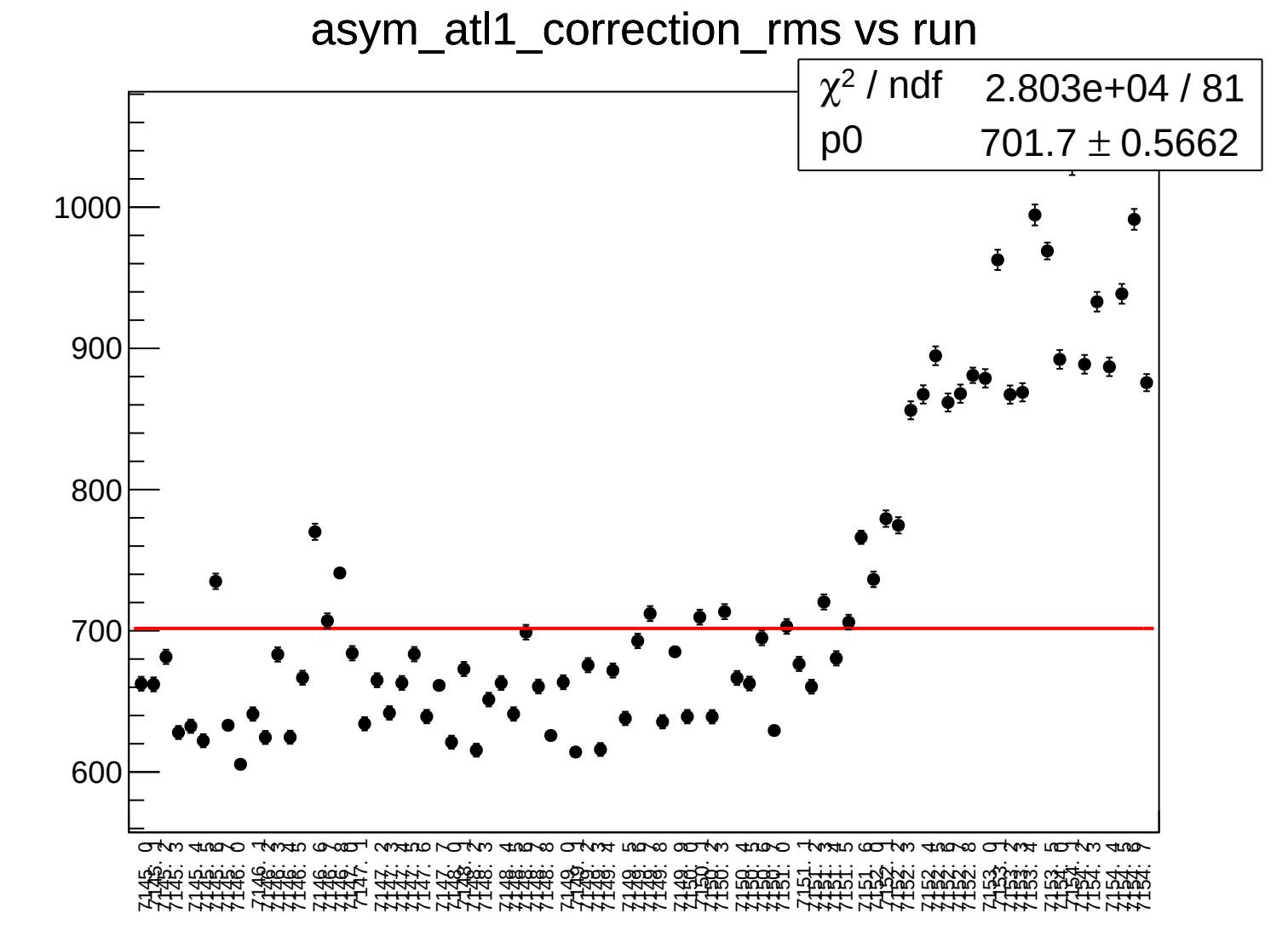

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5861 / 81
p0 1414 ± 1.133
2600
2400
2200
2000
1800
1600
1400

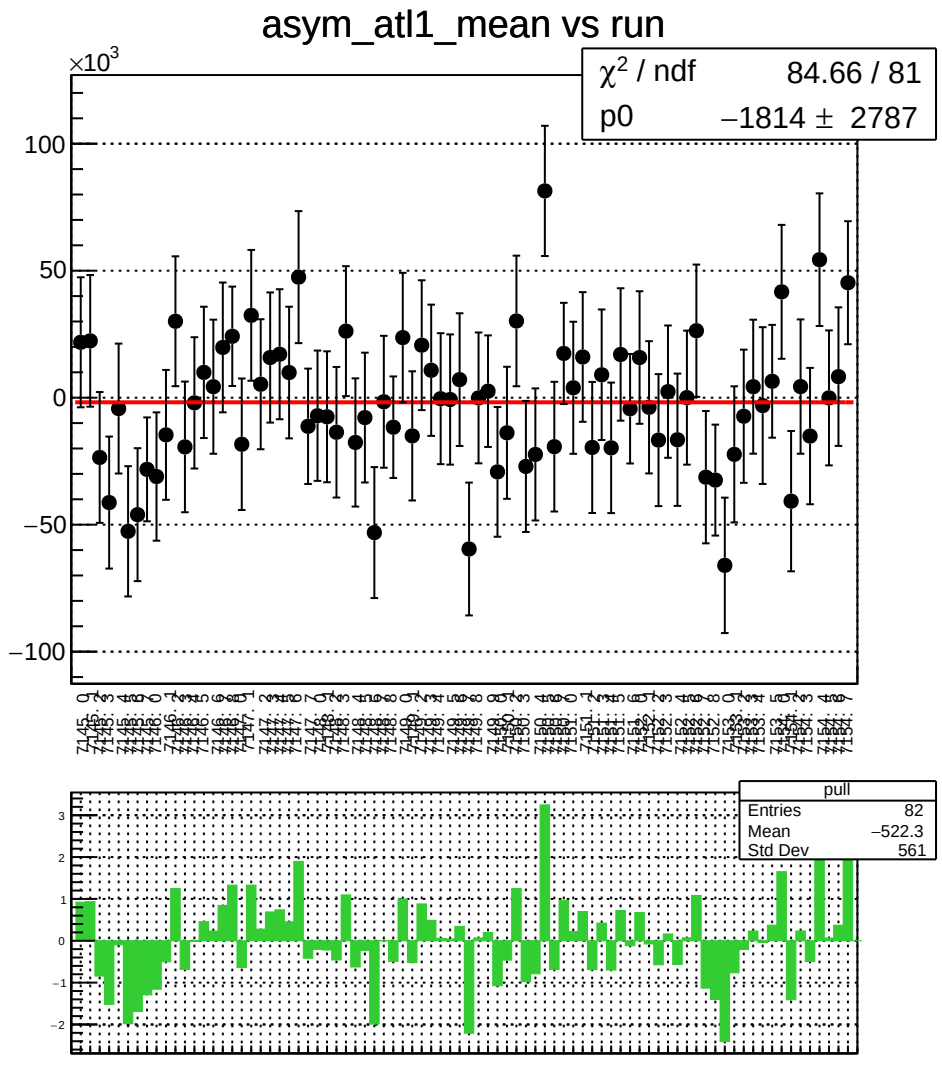

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 87.29 / 81
p0 −465.6 ± 2674
100
50
0
−50
−100
pull
Entries 82
Mean −859.4
Std Dev 903.6
3
2
1
0
−1
−2

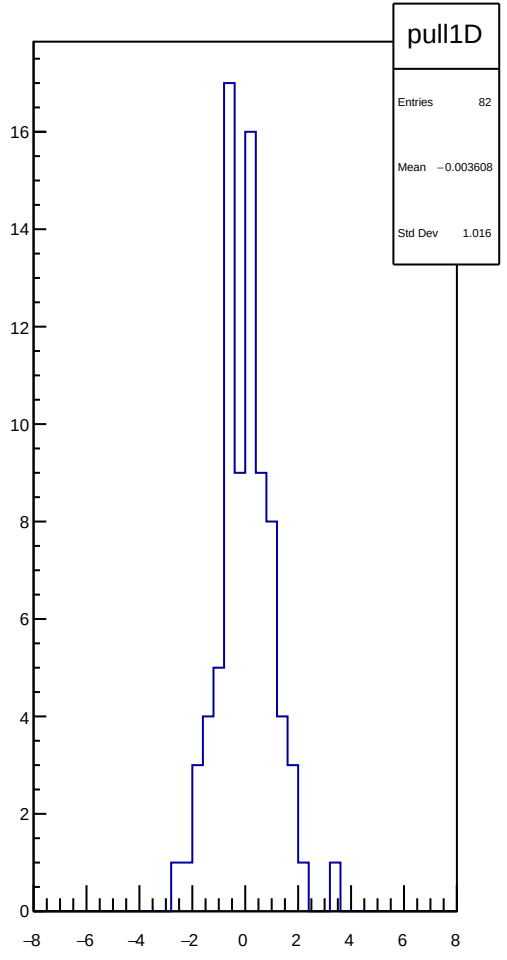

pull1D
Entries 82
Mean −0.002769
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

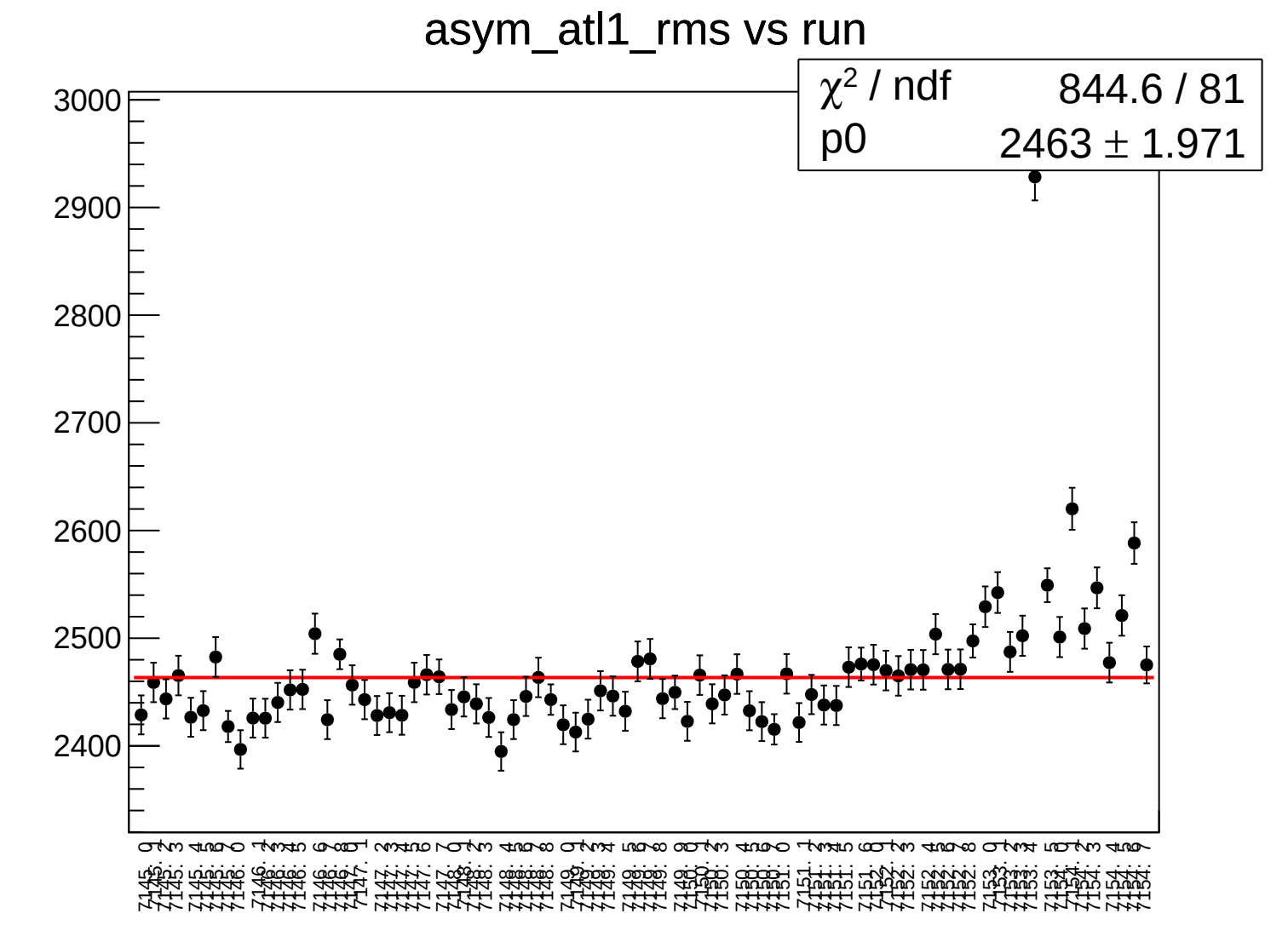

dit_asym_atl1_rms vs run
χ^2 / ndf 145.9 / 81
p0 2364 ± 1.891
2500
2450
2400
2350
2300

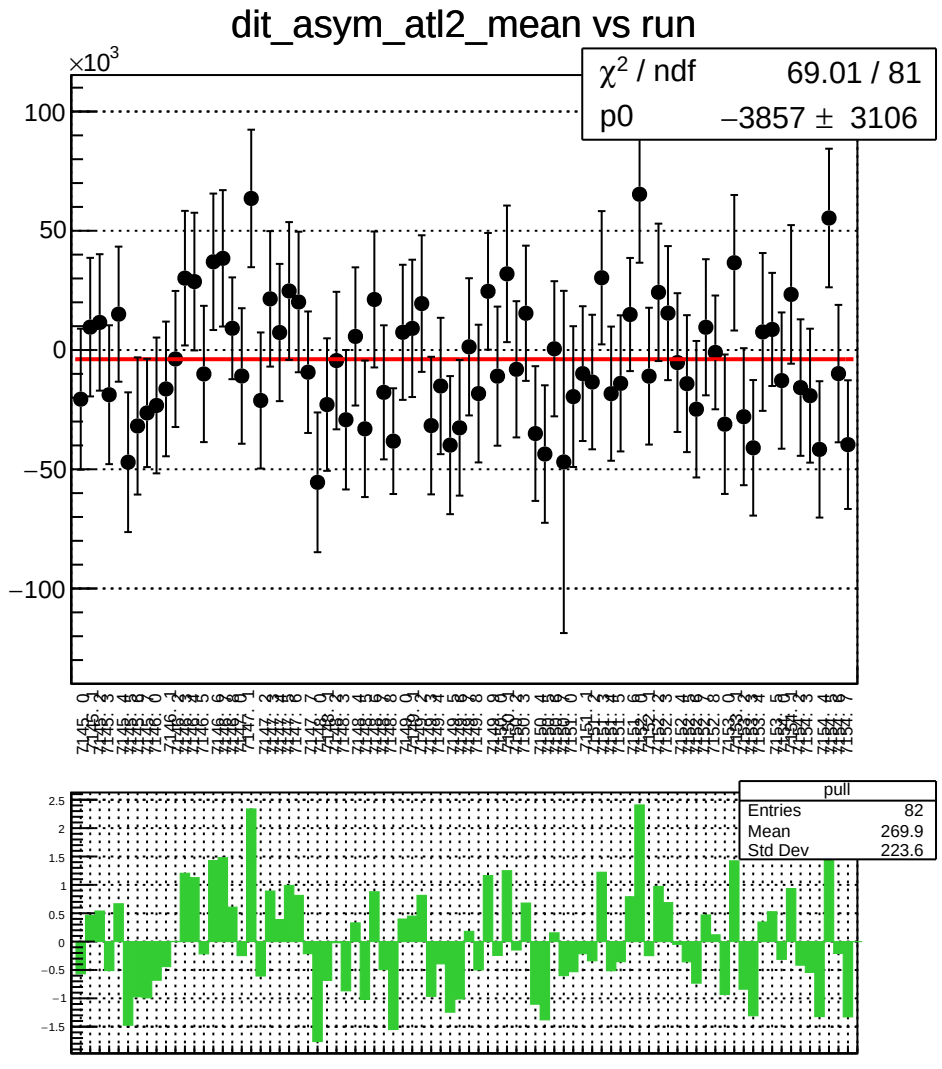

asym_atl1_correction_mean vs run
χ² / ndf 65 / 81
p0 1361 ± 800.8
pull
Entries 82
Mean −2655
Std Dev 2751
pull1D
Entries 82
Mean −0.0002475
Std Dev 0.8903

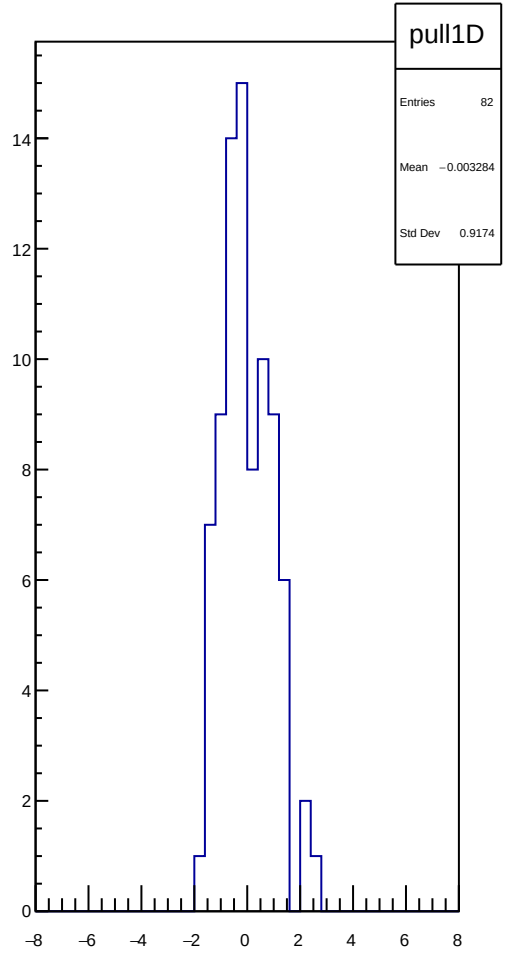

asym_atl1_correction_rms vs run
χ² / ndf 2.803e+04 / 81
p0 701.7 ± 0.5662
1000
900
800
700
600

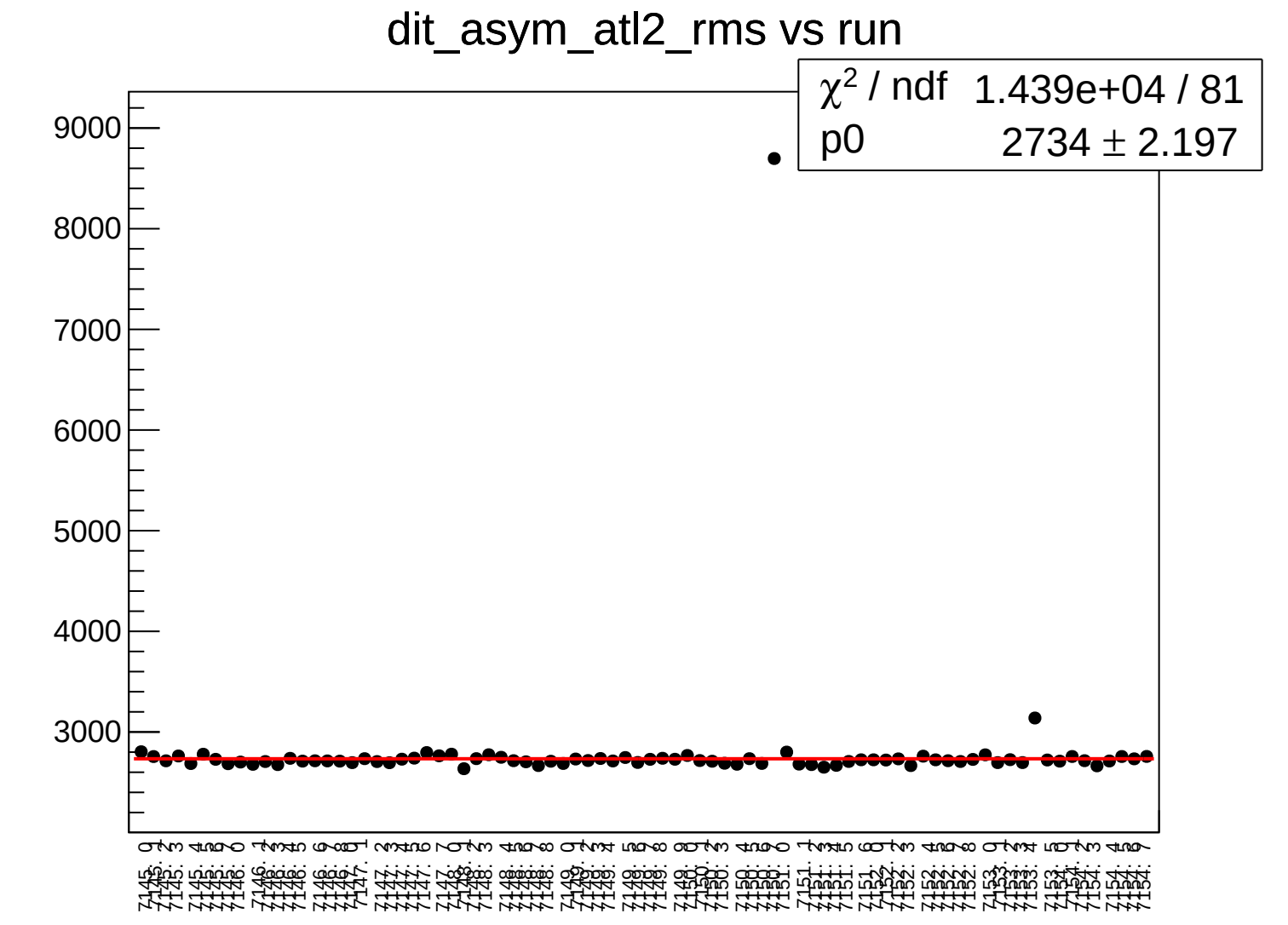

asym_atl1_mean vs run
×10^3
χ² / ndf 84.66 / 81
p0 −1814 ± 2787
100
50
0
−50
−100
pull
Entries 82
Mean −522.3
Std Dev 561
3
2
1
0
−1
−2

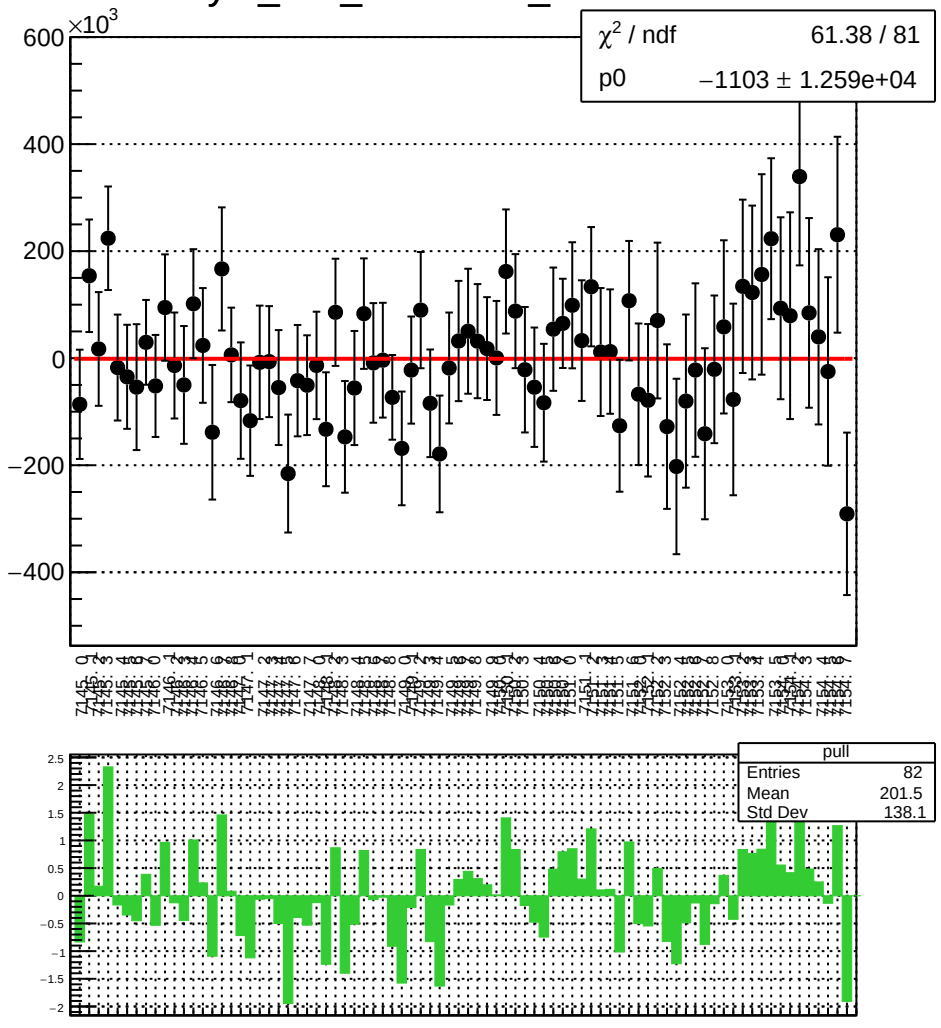

pull1D
Entries 82
Mean −0.003608
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

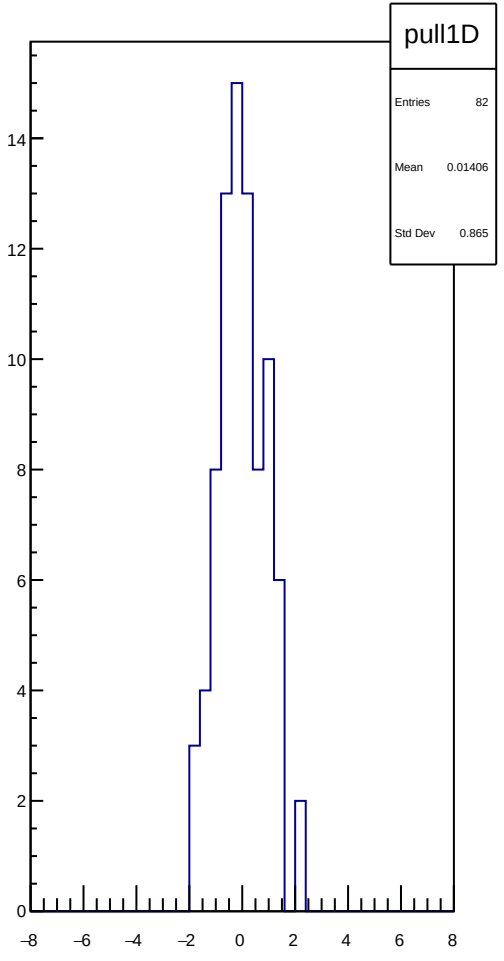

asym_atl1_rms vs run
χ² / ndf 844.6 / 81
p0 2463 ± 1.971
3000
2900
2800
2700
2600
2500
2400

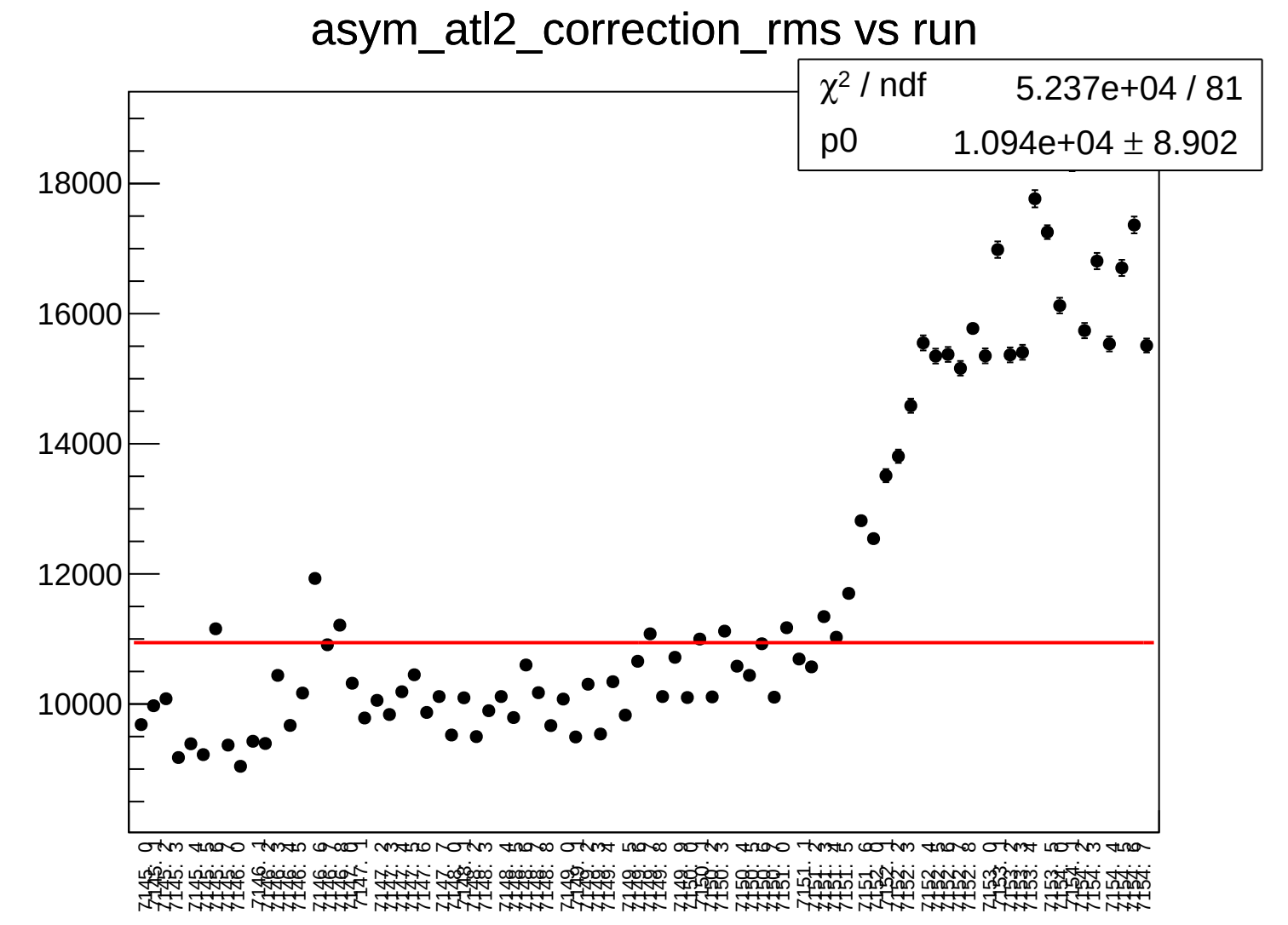

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 69.01 / 81
p0 −3857 ± 3106
100
50
0
−50
−100
pull
Entries 82
Mean 269.9
Std Dev 223.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

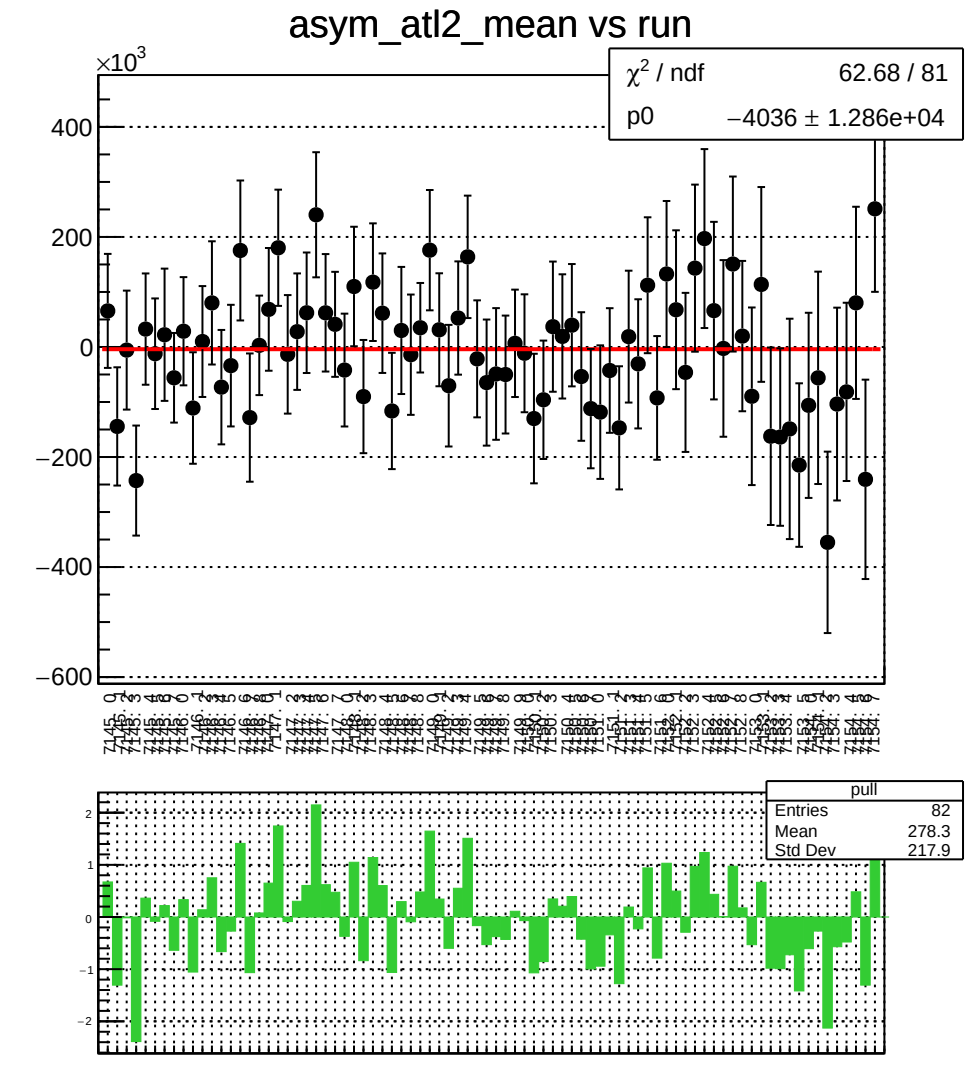

pull1D
Entries 82
Mean −0.003284
Std Dev 0.9174
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

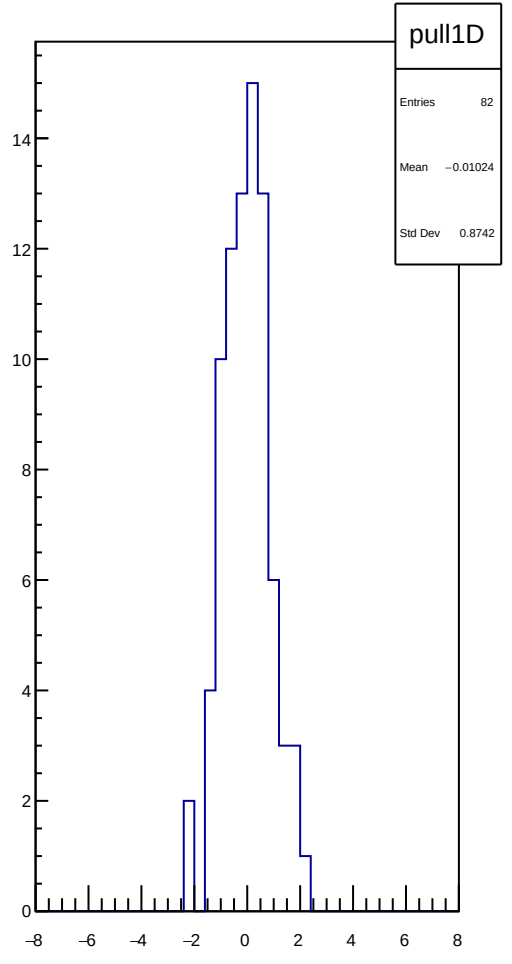

dit_asym_atl2_rms vs run
χ² / ndf 1.439e+04 / 81
p0 2734 ± 2.197
9000
8000
7000
6000
5000
4000
3000

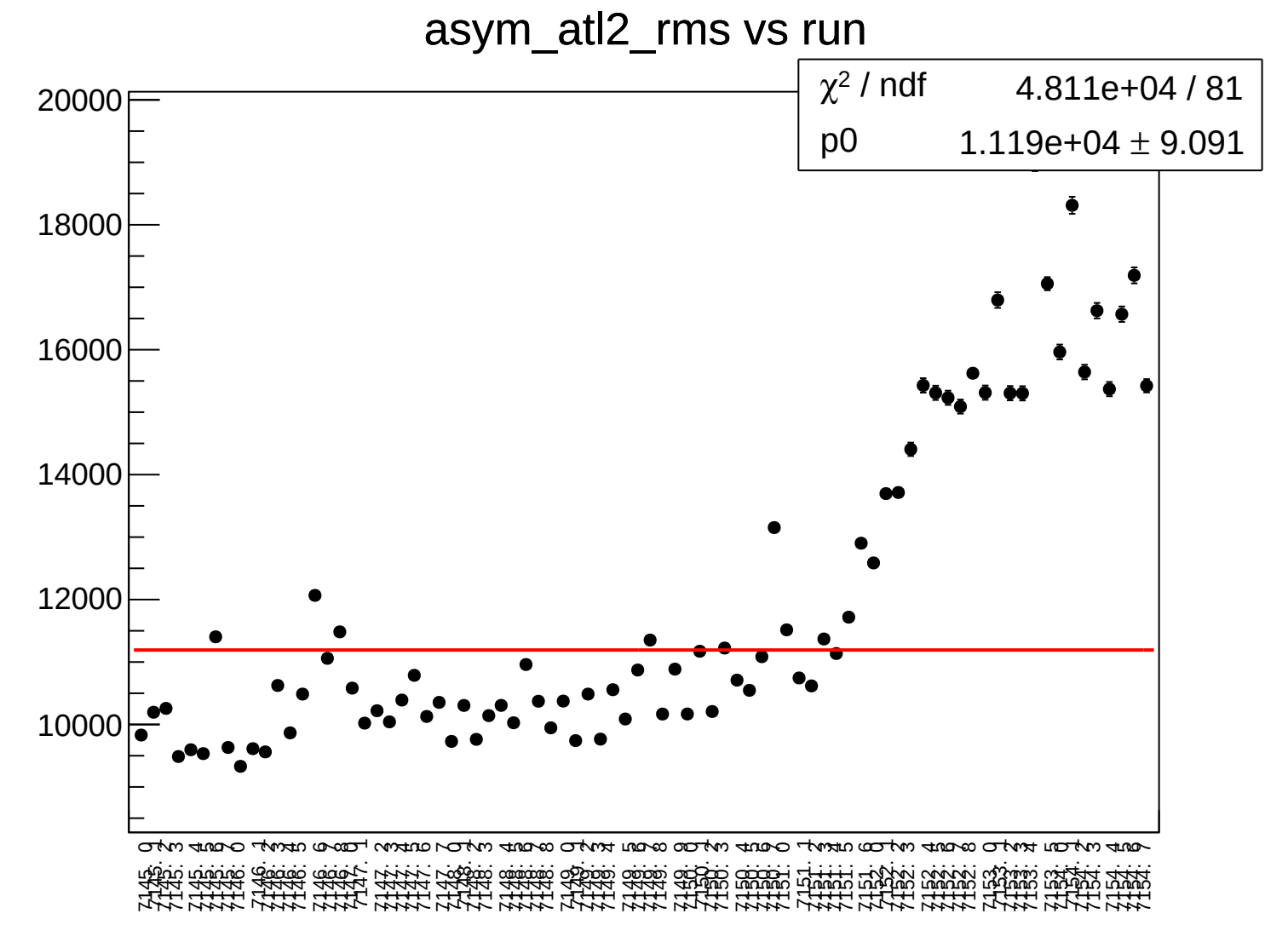

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 61.38 / 81
p0 −1103 ± 1.259e+04
pull
Entries 82
Mean 201.5
Std Dev 138.1

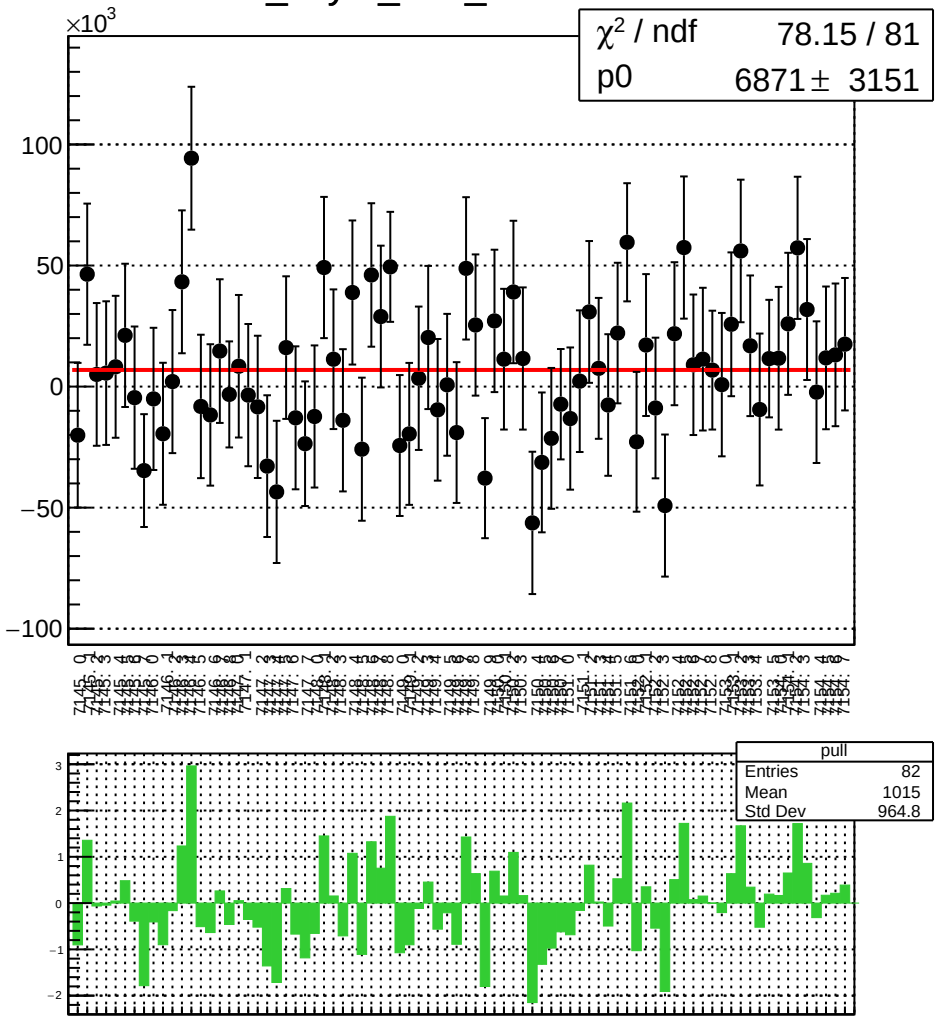

pull1D
Entries 82
Mean 0.01406
Std Dev 0.865

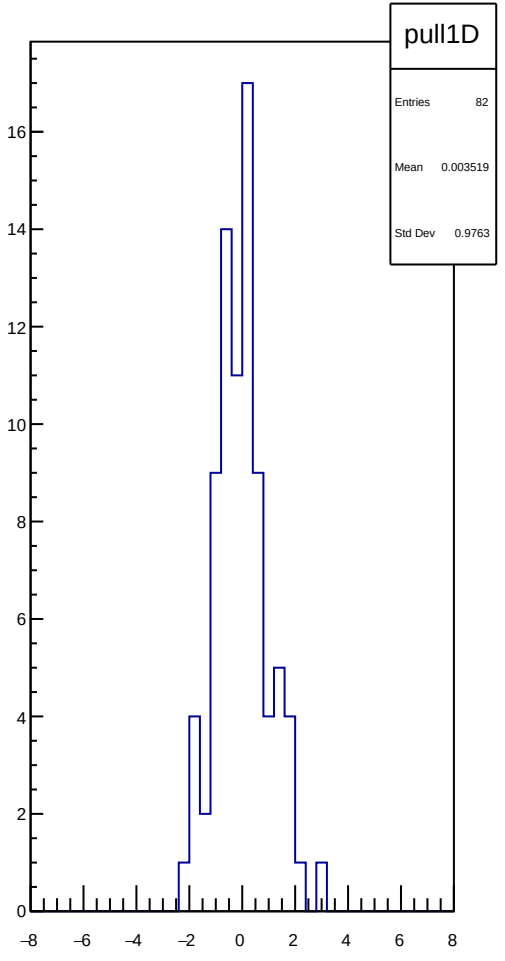

asym_atl2_correction_rms vs run
χ² / ndf 5.237e+04 / 81
p0 1.094e+04 ± 8.902
18000
16000
14000
12000
10000

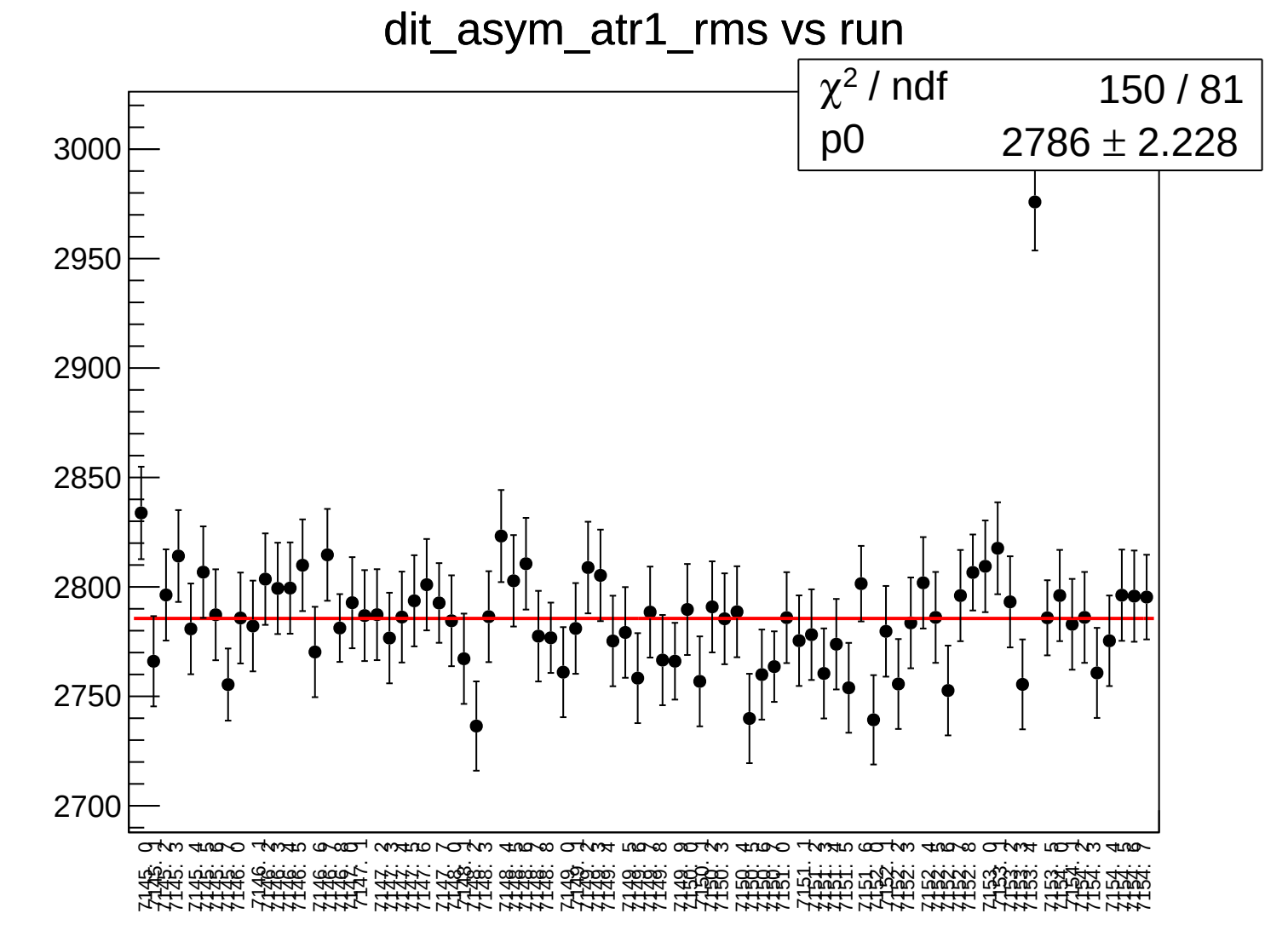

asym_atl2_mean vs run
×10^3
χ² / ndf 62.68 / 81
p0 −4036 ± 1.286e+04
400
200
0
−200
−400
−600
pull
Entries 82
Mean 278.3
Std Dev 217.9
2
1
0
−1
−2

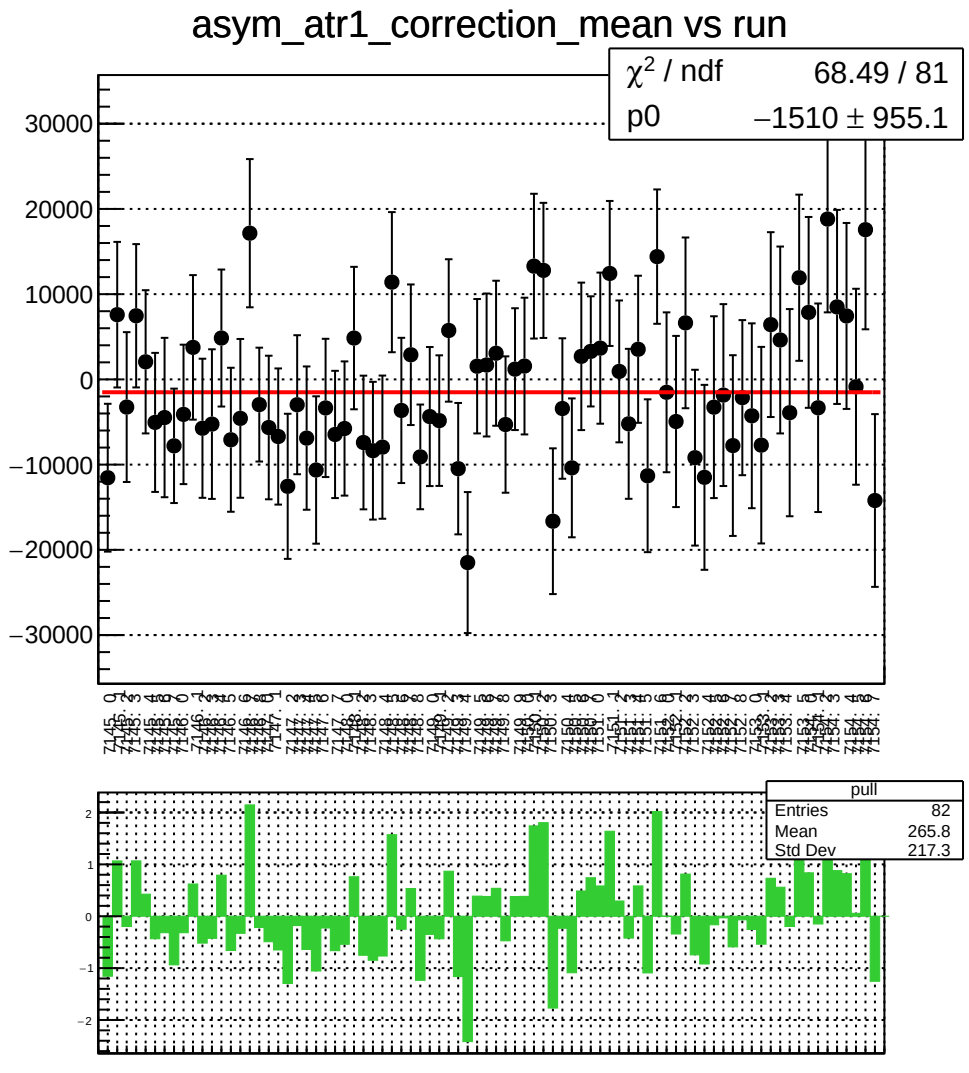

pull1D
Entries 82
Mean −0.01024
Std Dev 0.8742
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

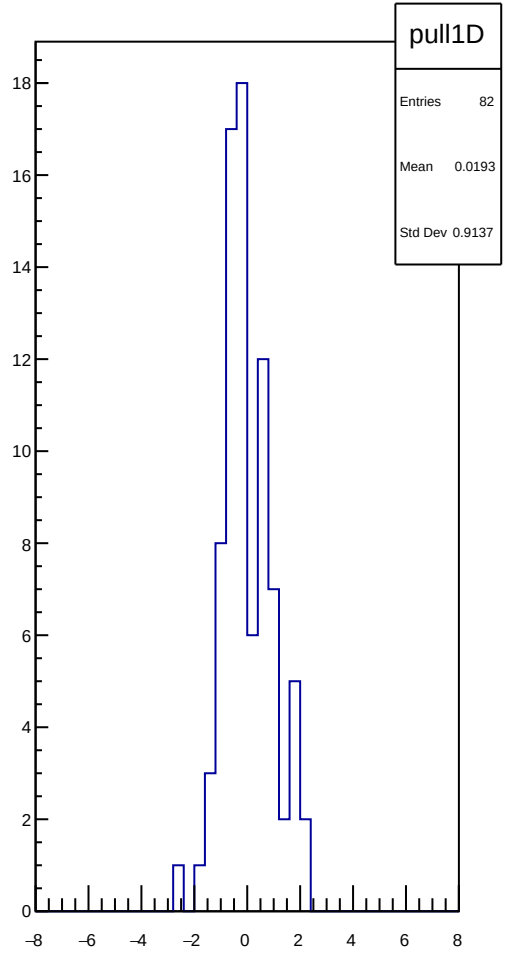

asym_atl2_rms vs run
χ² / ndf 4.811e+04 / 81
p0 1.119e+04 ± 9.091
20000
18000
16000
14000
12000
10000

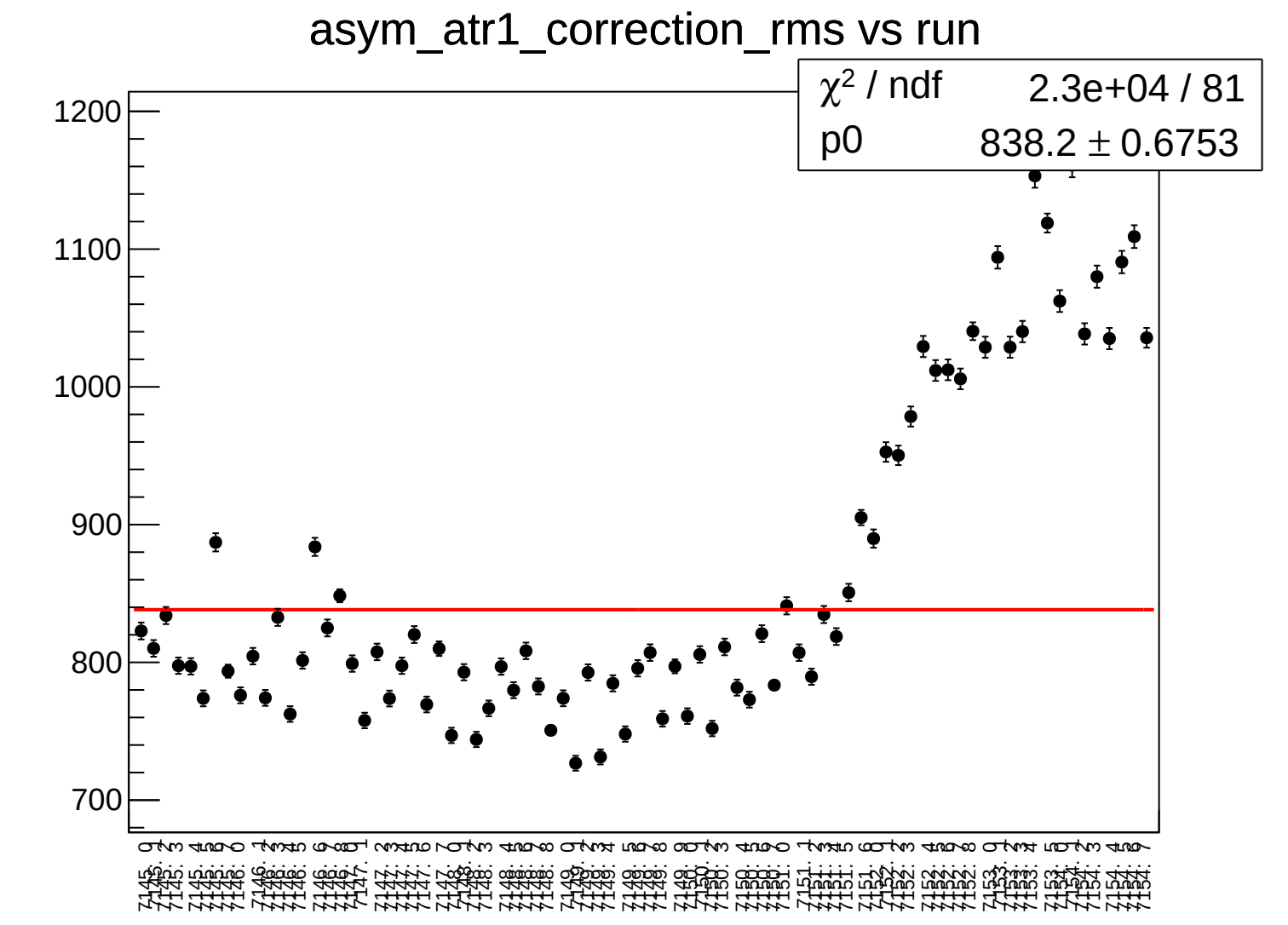

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 78.15 / 81
p0 6871 ± 3151
100
50
0
−50
−100
pull
Entries 82
Mean 1015
Std Dev 964.8
3
2
1
0
−1
−2

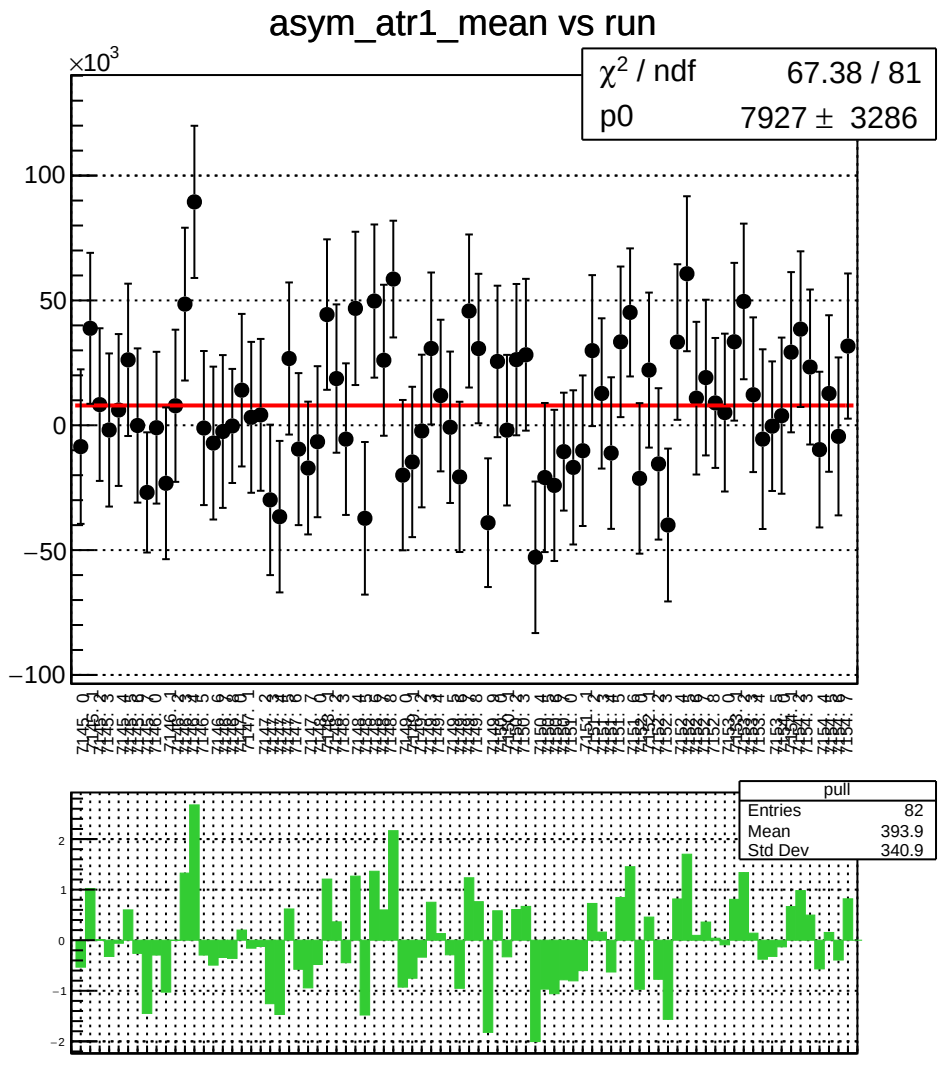

pull1D
Entries 82
Mean 0.003519
Std Dev 0.9763
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

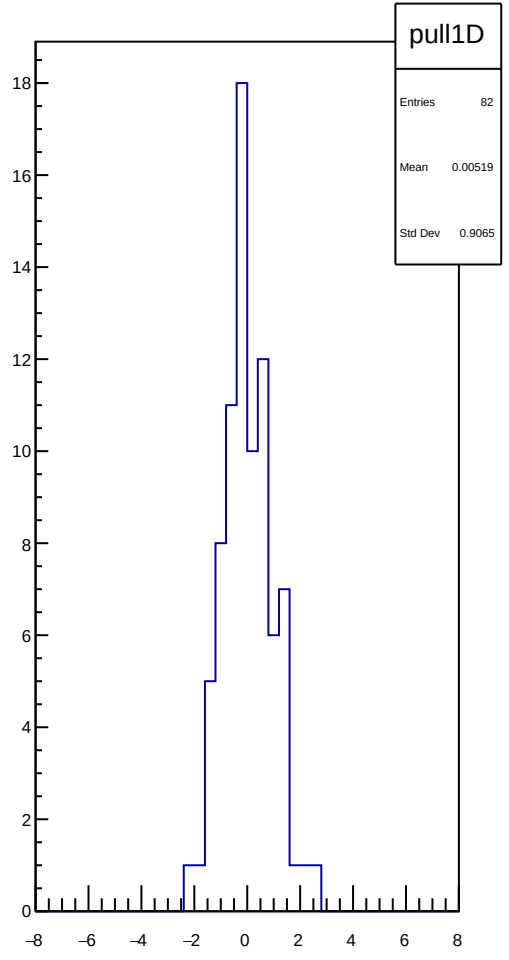

dit_asym_atr1_rms vs run
χ² / ndf 150 / 81
p0 2786 ± 2.228
3000
2950
2900
2850
2800
2750
2700

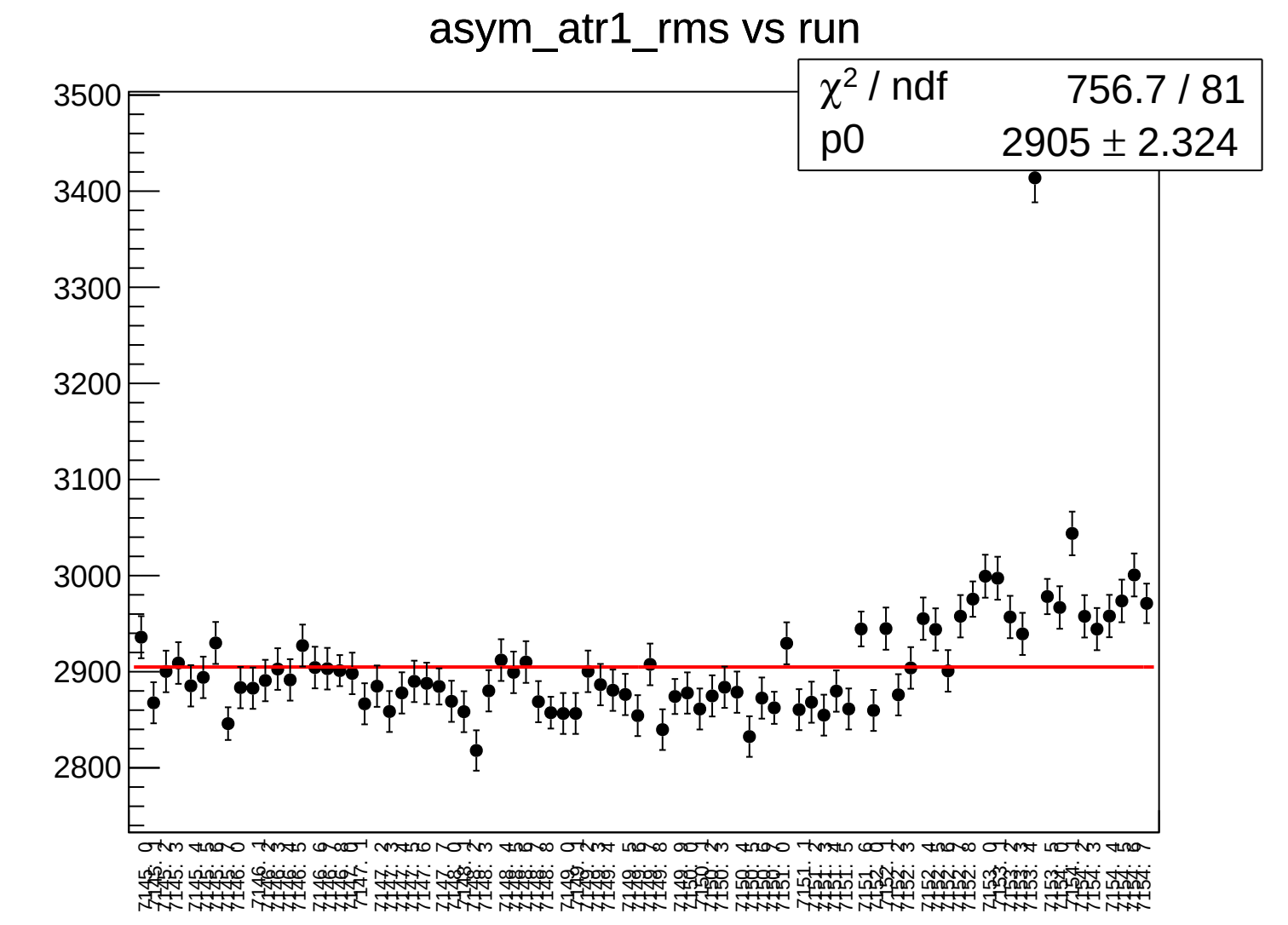

asym_atr1_correction_mean vs run
χ^2 / ndf 68.49 / 81
p0 −1510 ± 955.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 265.8
Std Dev 217.3
2
1
0
−1
−2

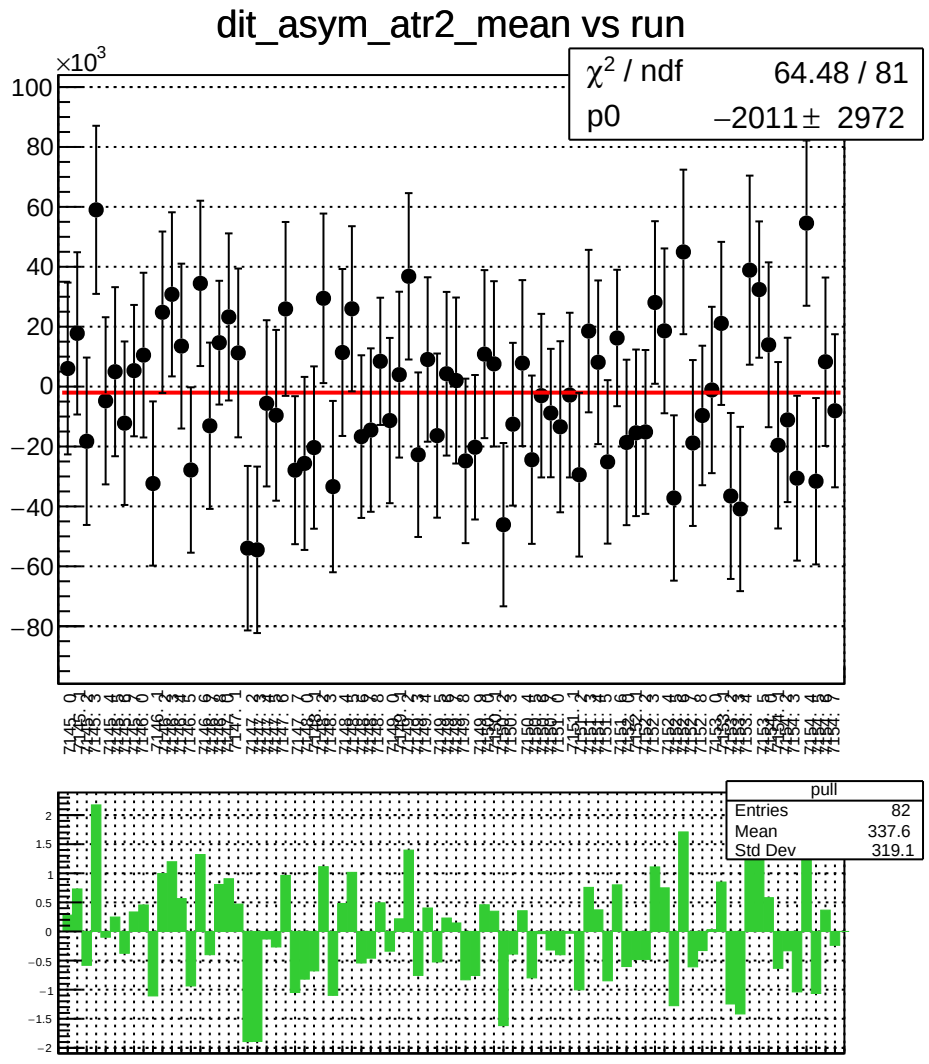

pull1D
Entries 82
Mean 0.0193
Std Dev 0.9137
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

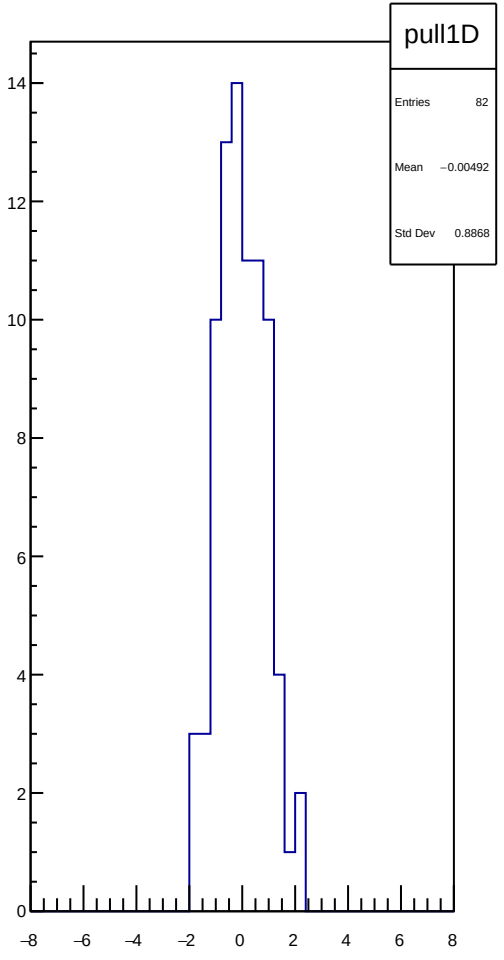

asym_atr1_correction_rms vs run
χ² / ndf 2.3e+04 / 81
p0 838.2 ± 0.6753
1200
1100
1000
900
800
700

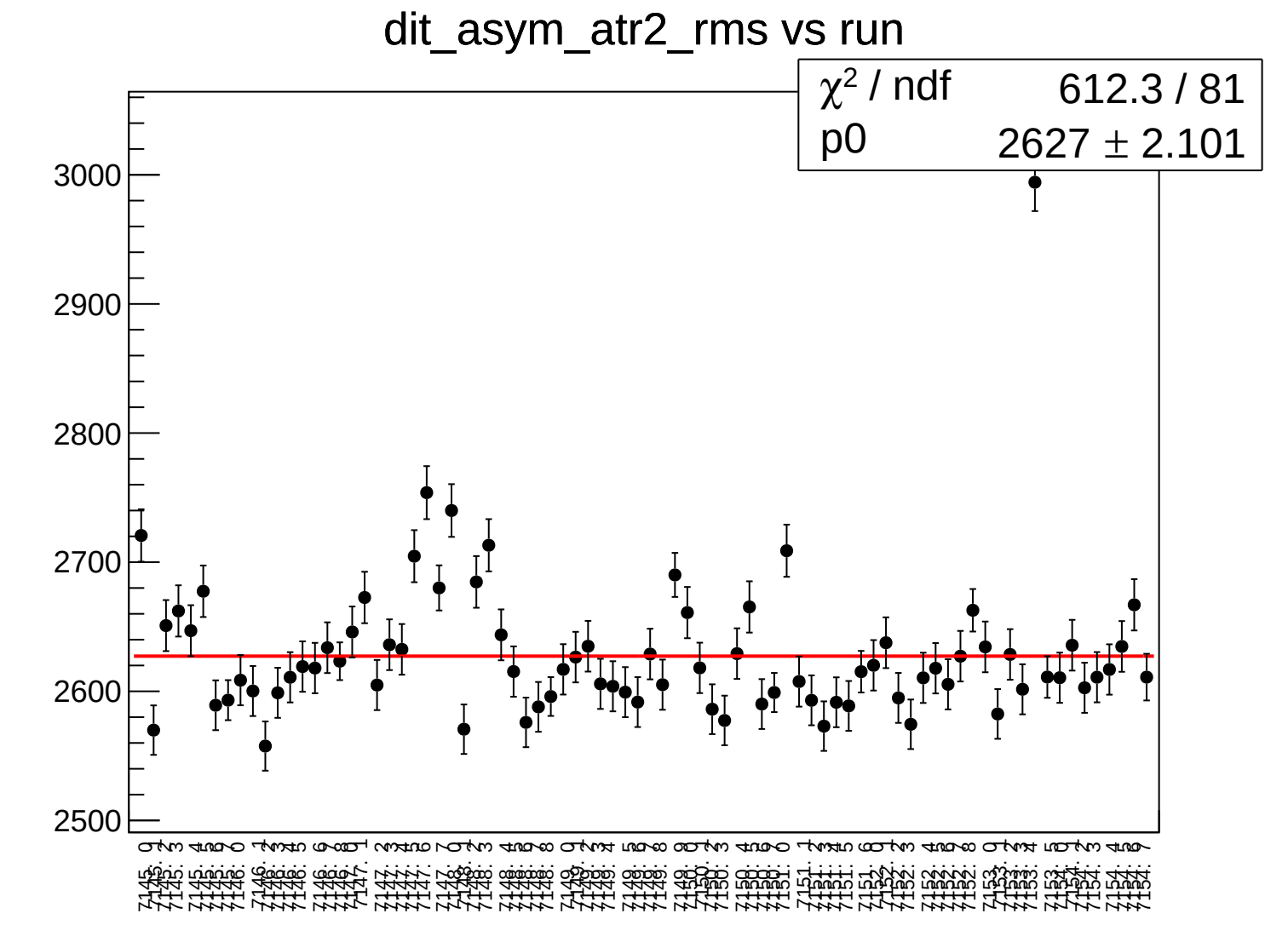

asym_atr1_mean vs run
×10^3
χ² / ndf 67.38 / 81
p0 7927 ± 3286
100
50
0
−50
−100
pull
Entries 82
Mean 393.9
Std Dev 340.9
2
1
0
−1
−2

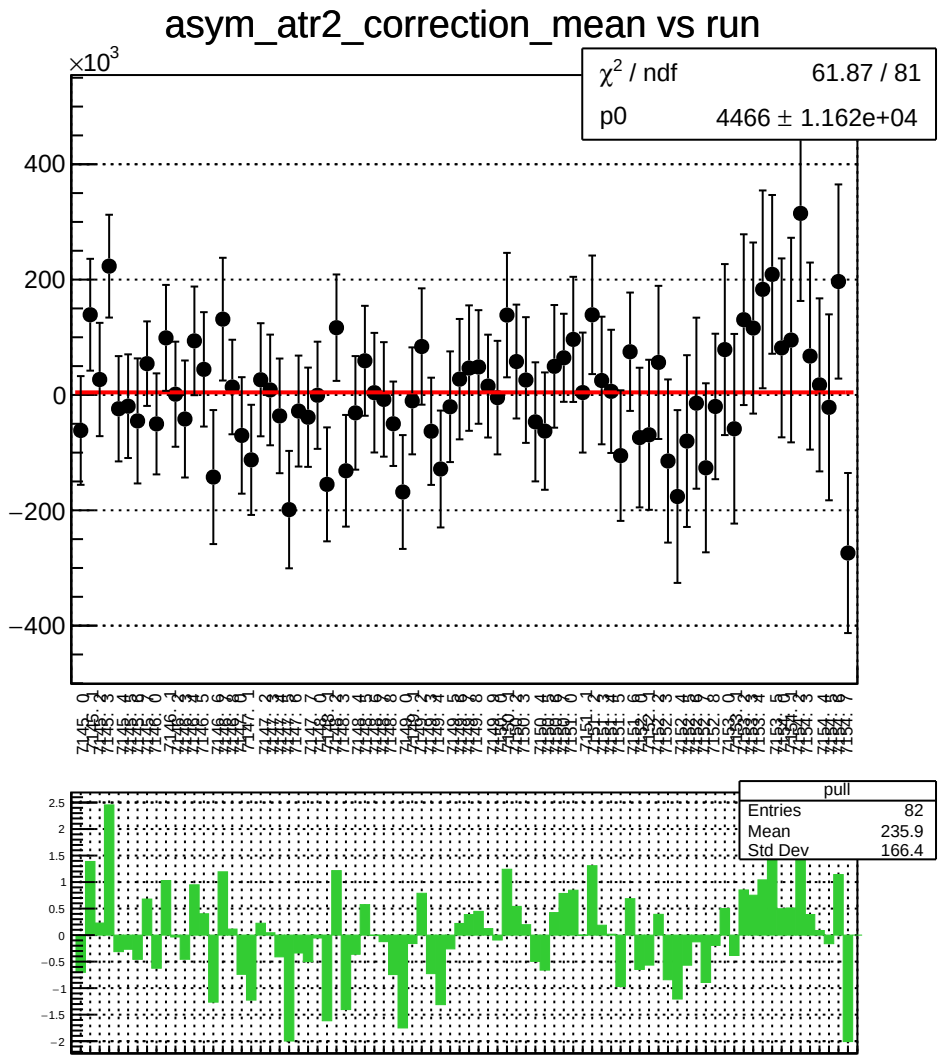

pull1D
Entries 82
Mean 0.00519
Std Dev 0.9065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

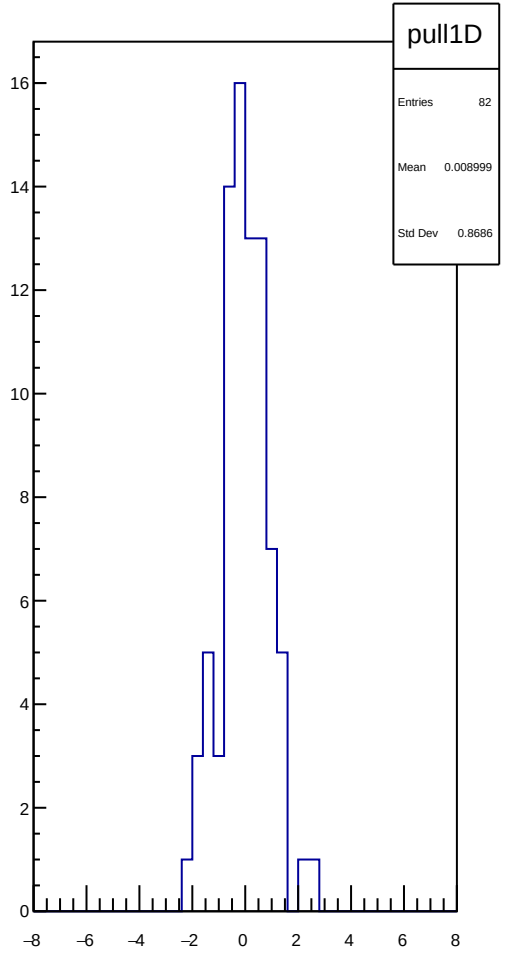

asym_atr1_rms vs run
χ^2 / ndf 756.7 / 81
p0 2905 ± 2.324
3500
3400
3300
3200
3100
3000
2900
2800

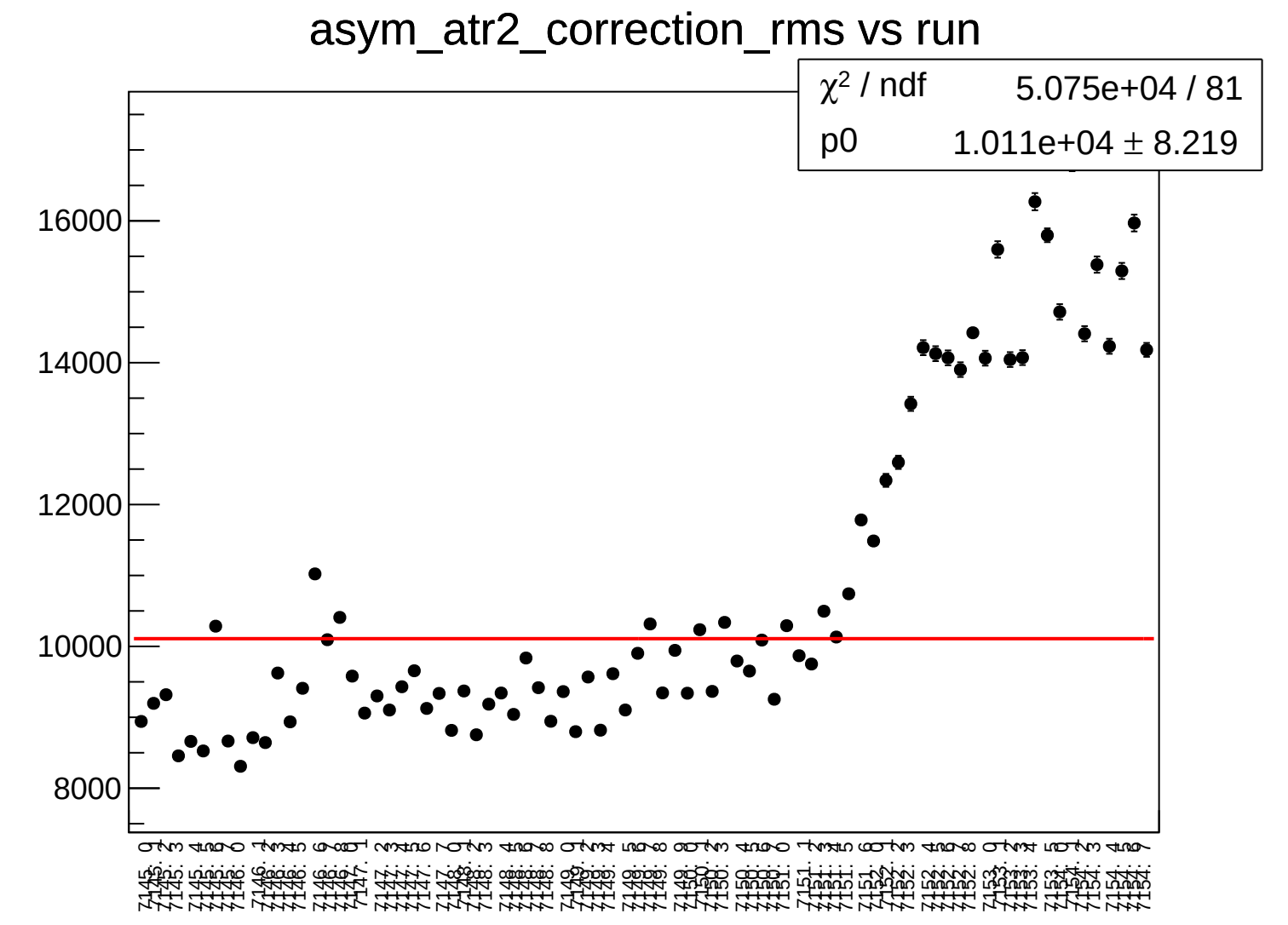

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 64.48 / 81
p0 −2011 ± 2972
pull
Entries 82
Mean 337.6
Std Dev 319.1

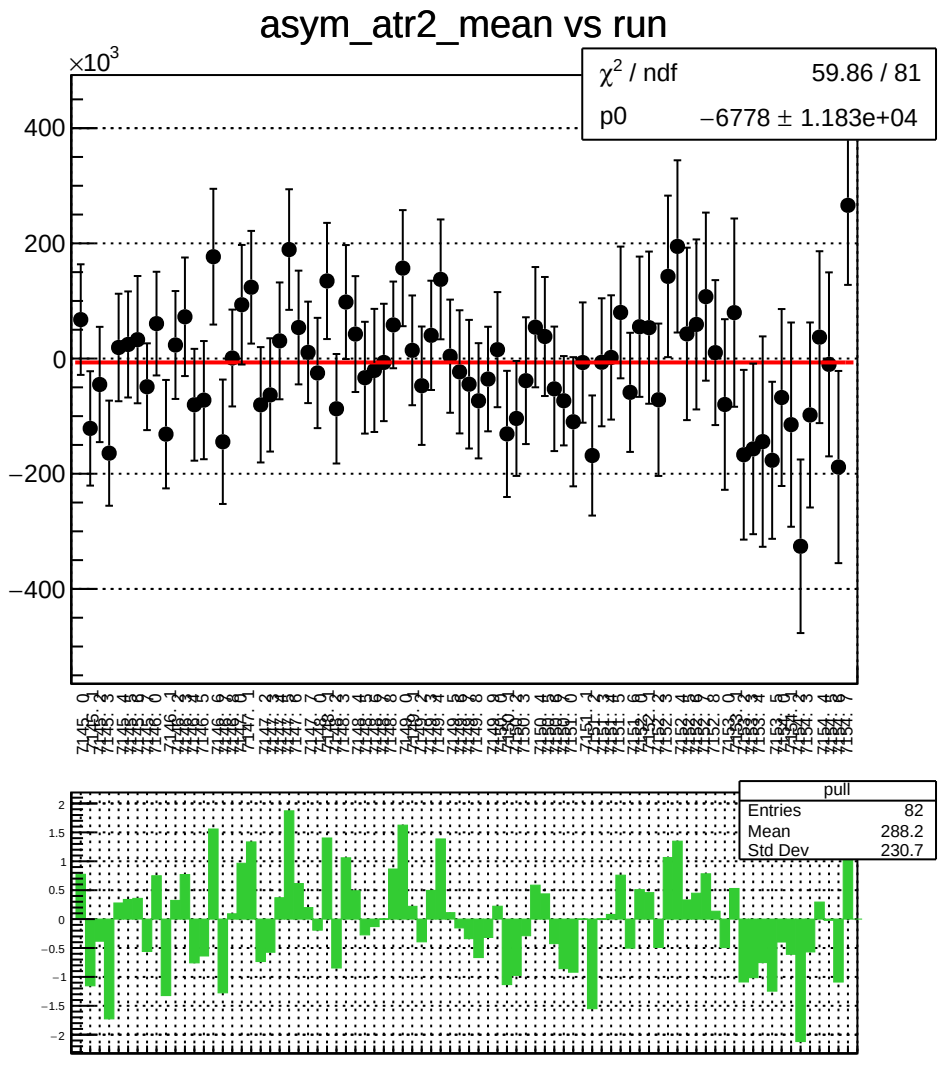

pull1D
Entries 82
Mean −0.00492
Std Dev 0.8868

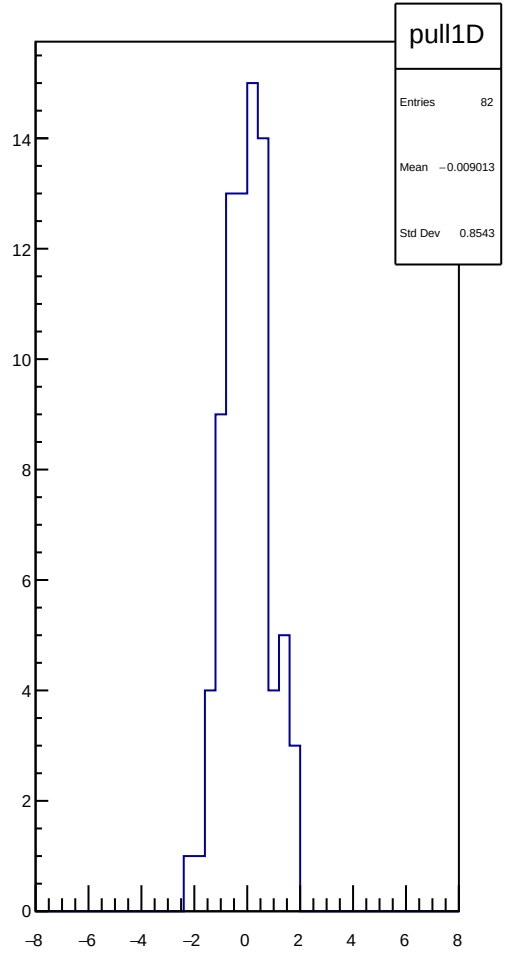

dit_asym_atr2_rms vs run
χ² / ndf 612.3 / 81
p0 2627 ± 2.101
3000
2900
2800
2700
2600
2500

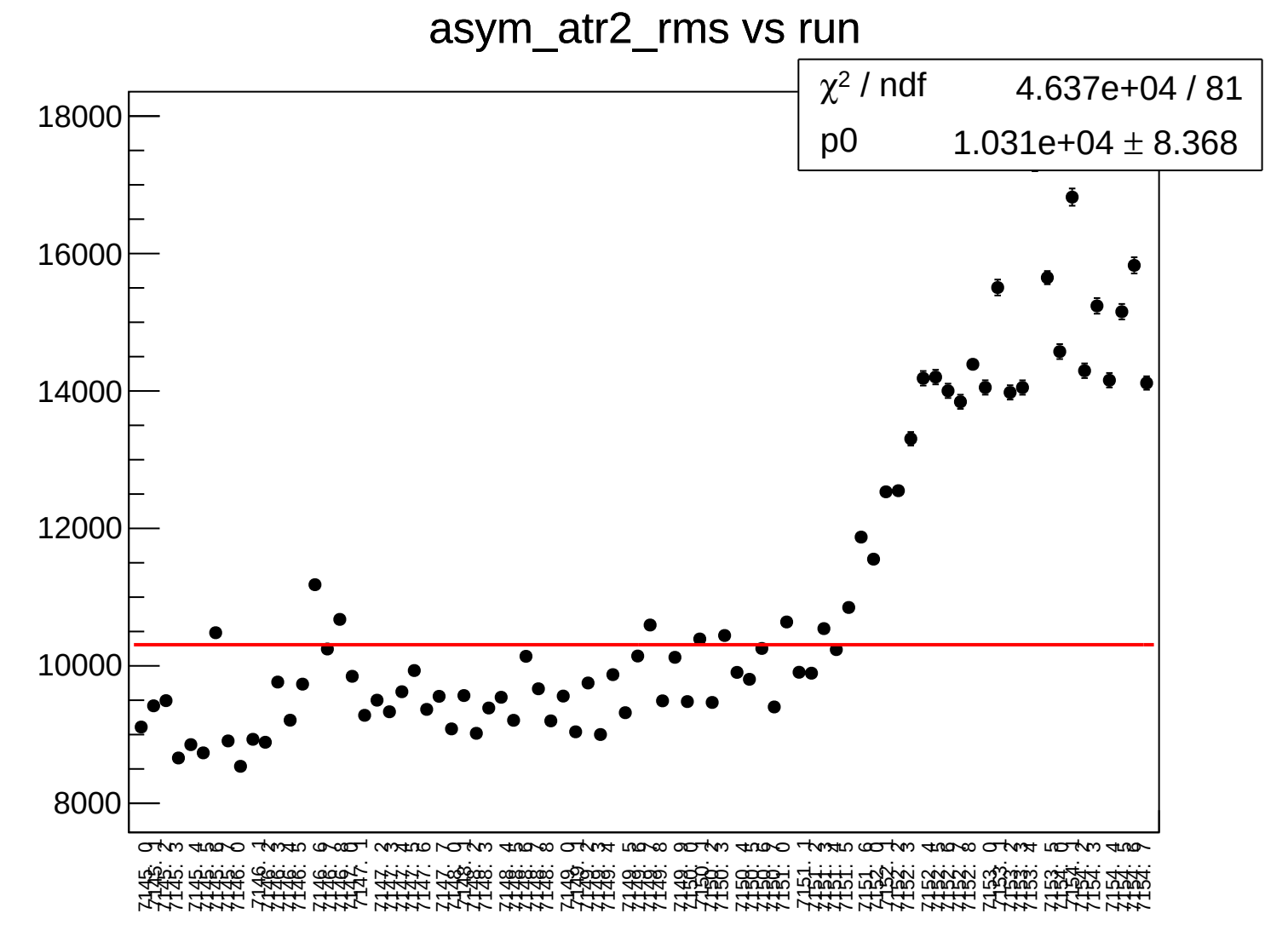

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 61.87 / 81
p0 4466 ± 1.162e+04
400
200
0
−200
−400
pull
Entries 82
Mean 235.9
Std Dev 166.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

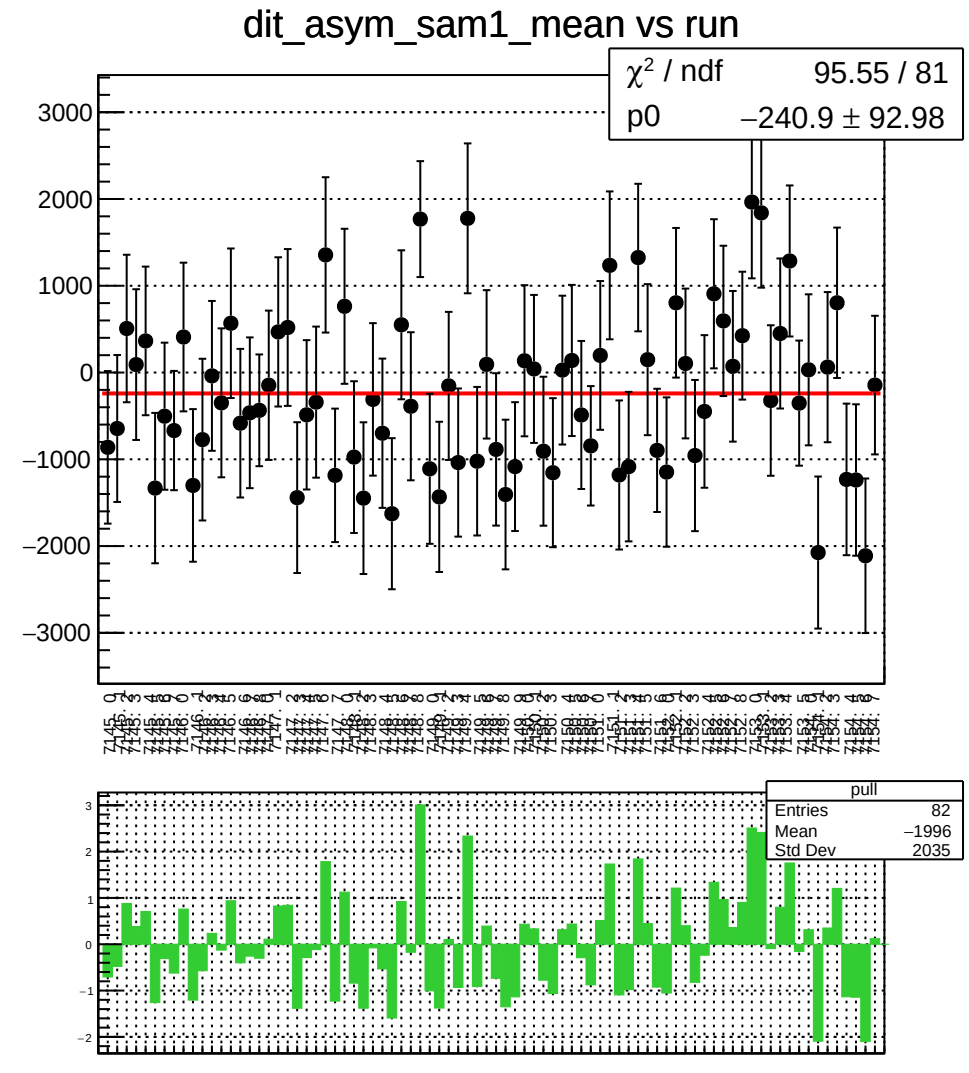

pull1D
Entries 82
Mean 0.008999
Std Dev 0.8686
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

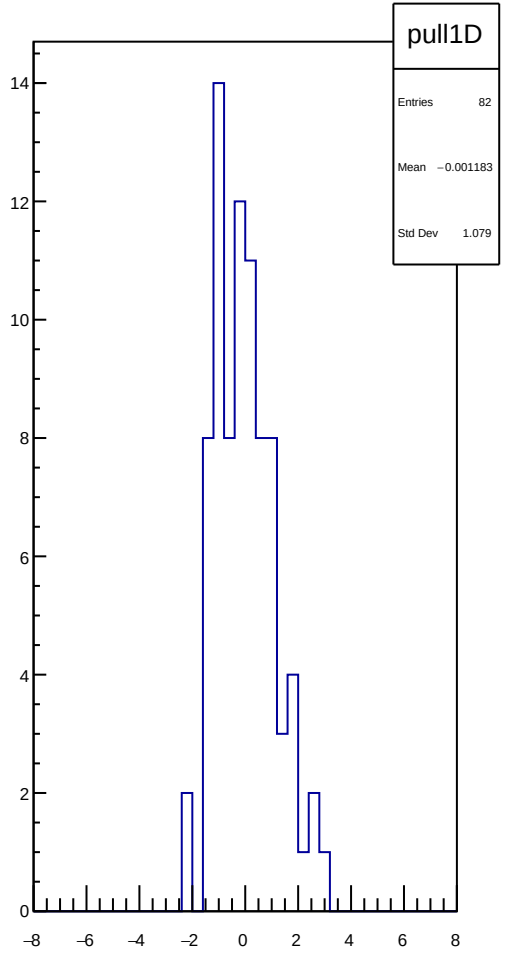

asym_atr2_correction_rms vs run
χ² / ndf 5.075e+04 / 81
p0 1.011e+04 ± 8.219
16000
14000
12000
10000
8000

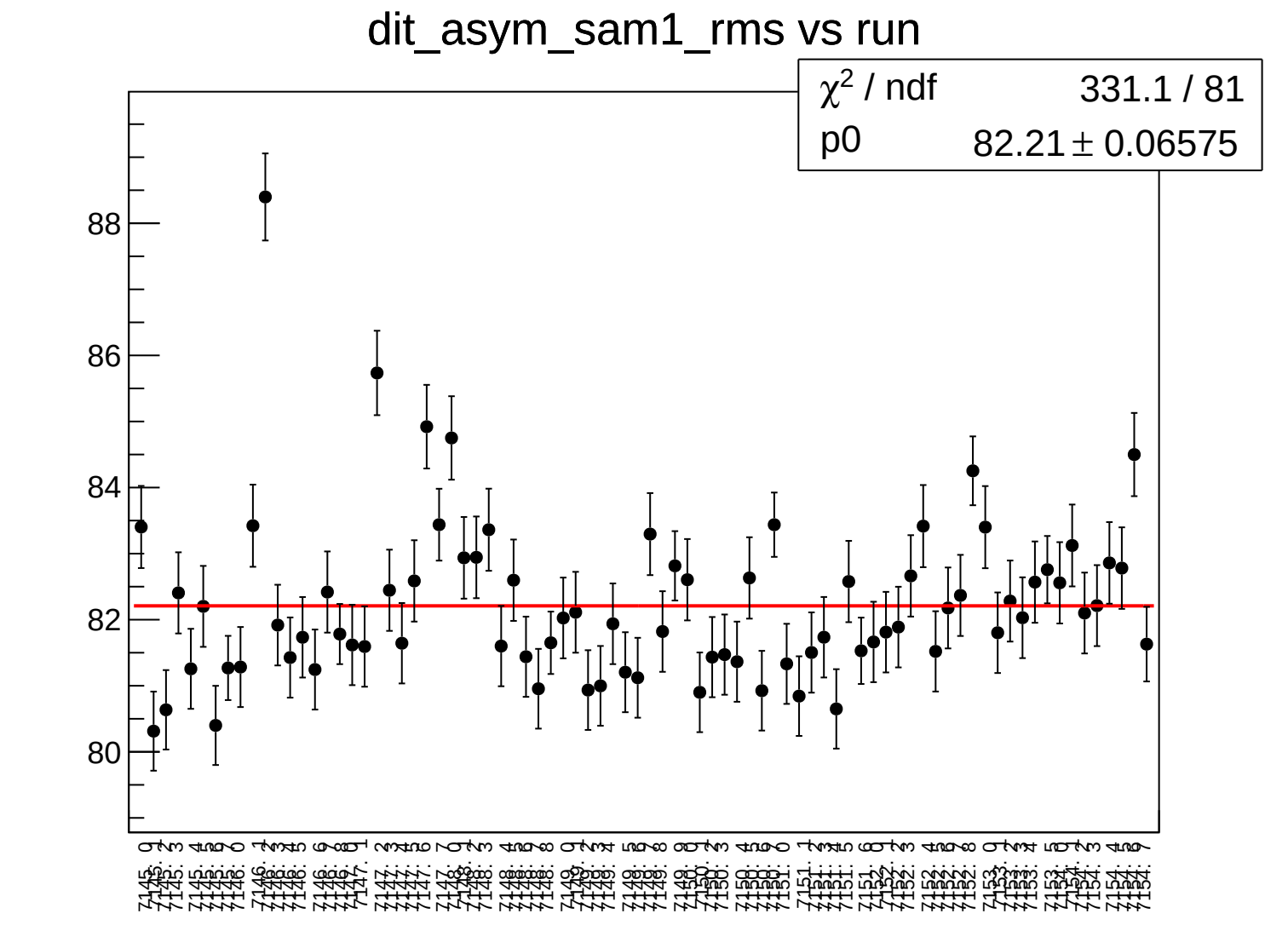

asym_atr2_mean vs run
×10^3
χ² / ndf 59.86 / 81
p0 −6778 ± 1.183e+04
400
200
0
−200
−400
pull
Entries 82
Mean 288.2
Std Dev 230.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

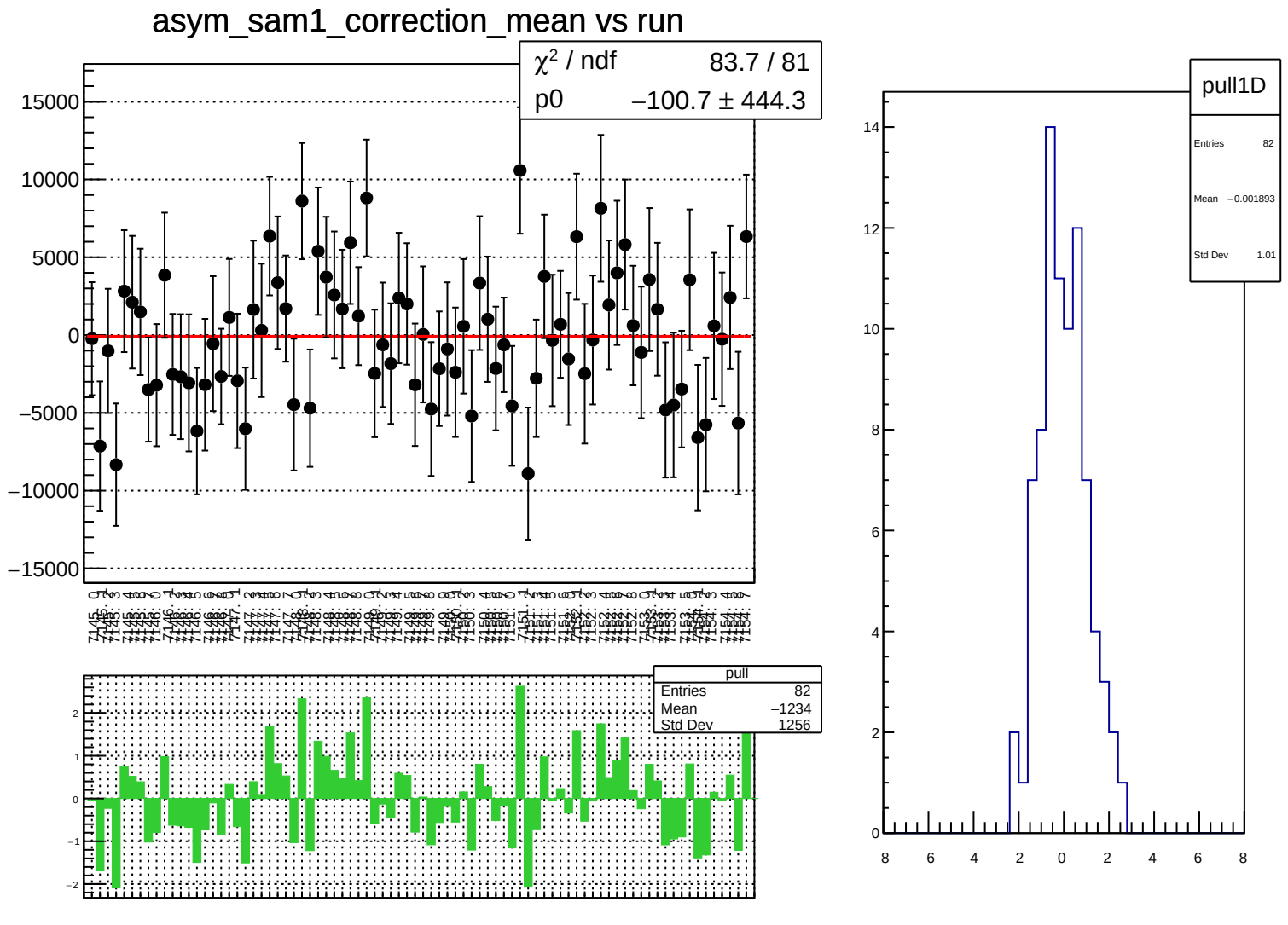

pull1D
Entries 82
Mean −0.009013
Std Dev 0.8543
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

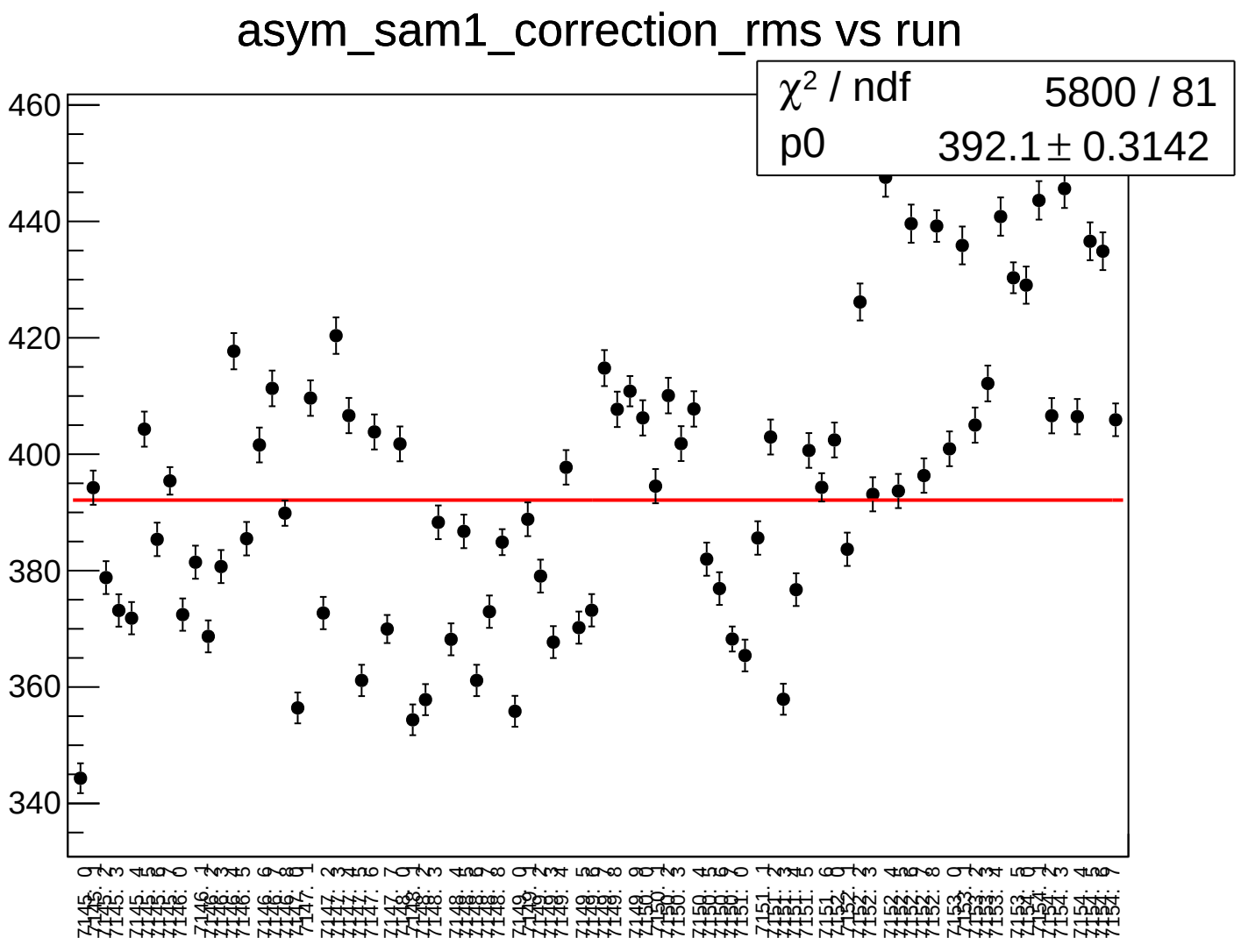

asym_atr2_rms vs run
χ² / ndf 4.637e+04 / 81
p0 1.031e+04 ± 8.368
18000
16000
14000
12000
10000
8000

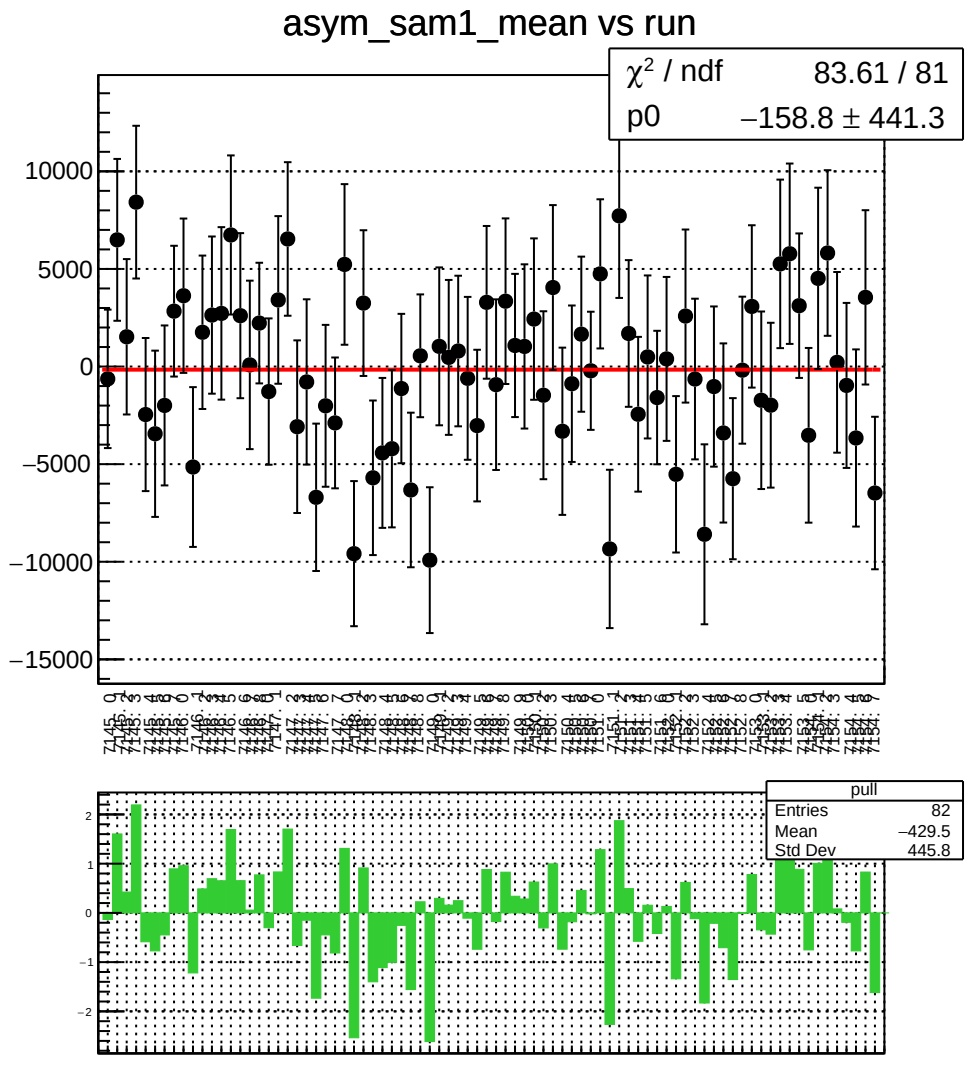

dit_asym_sam1_mean vs run
χ² / ndf 95.55 / 81
p0 −240.9 ± 92.98
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean −1996
Std Dev 2035
3
2
1
0
−1
−2

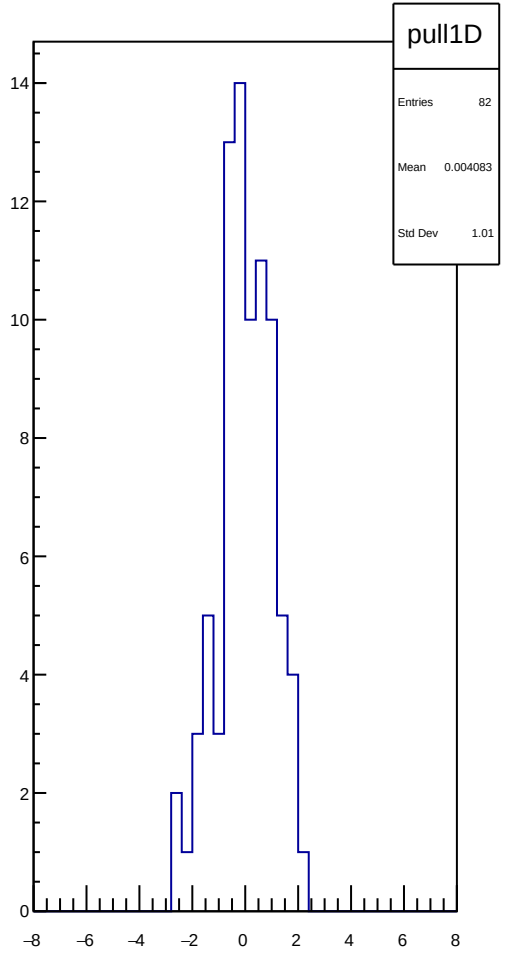

pull1D
Entries 82
Mean −0.001183
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

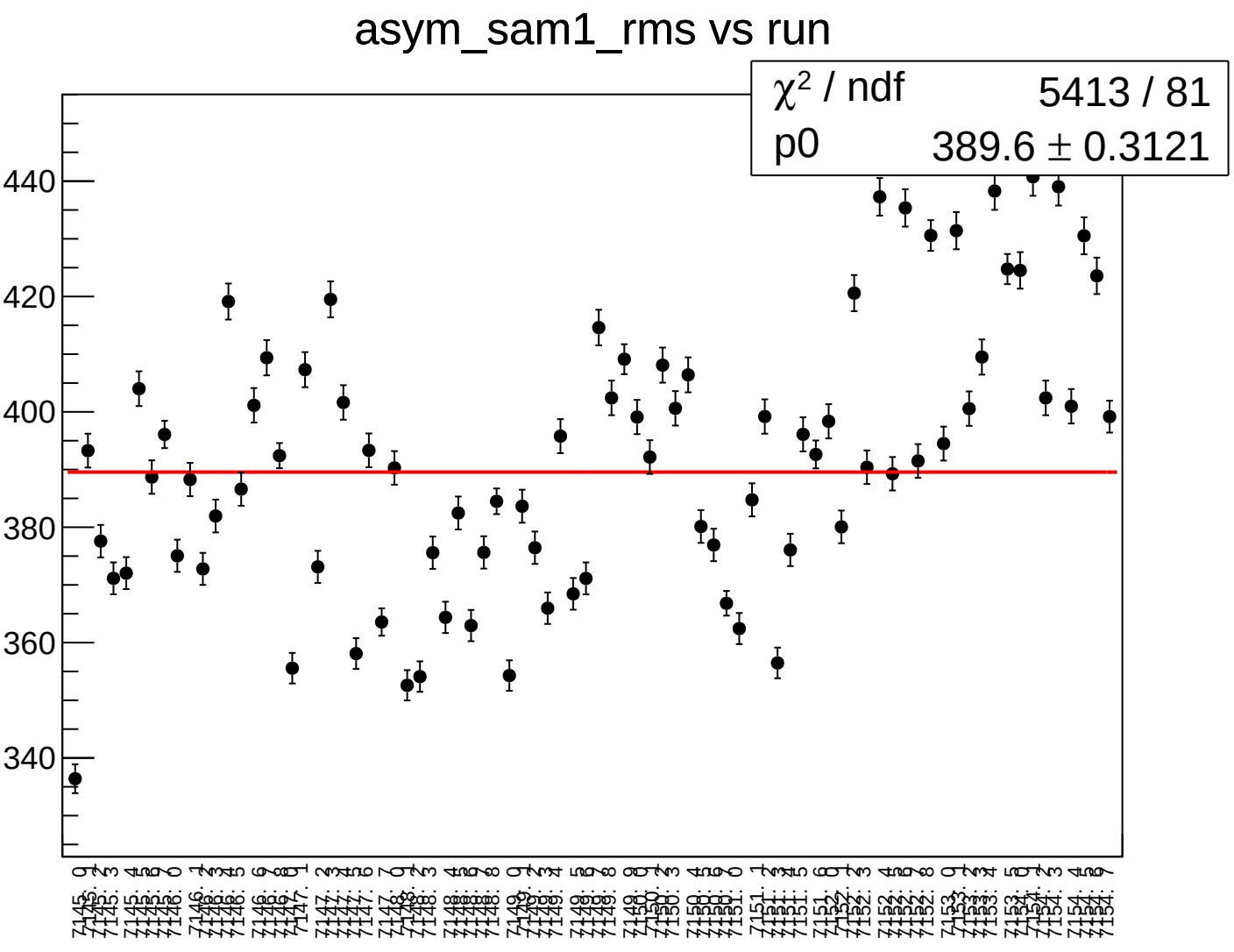

dit_asym_sam1_rms vs run
χ² / ndf 331.1 / 81
p0 82.21 ± 0.06575
88
86
84
82
80

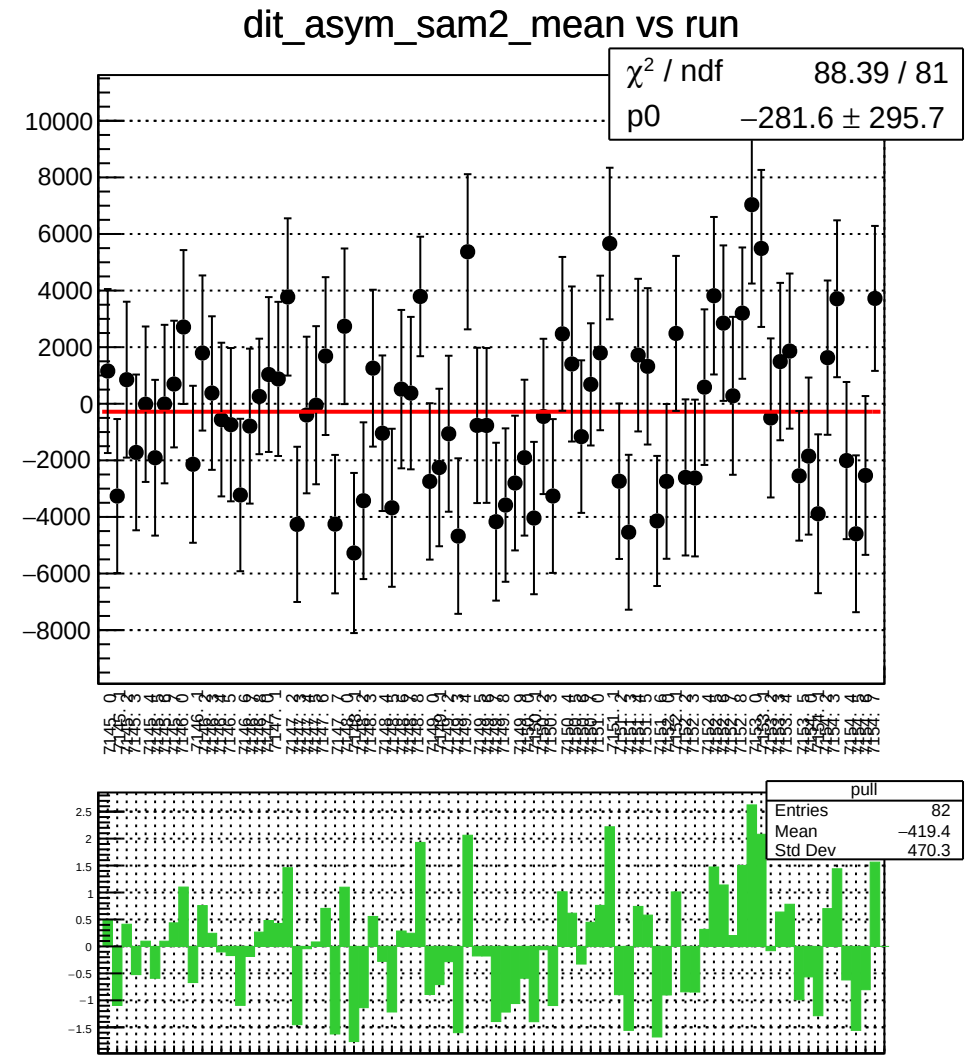

asym_sam1_correction_mean vs run
χ² / ndf 83.7 / 81
p0 −100.7 ± 444.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −1234
Std Dev 1256
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.001893
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

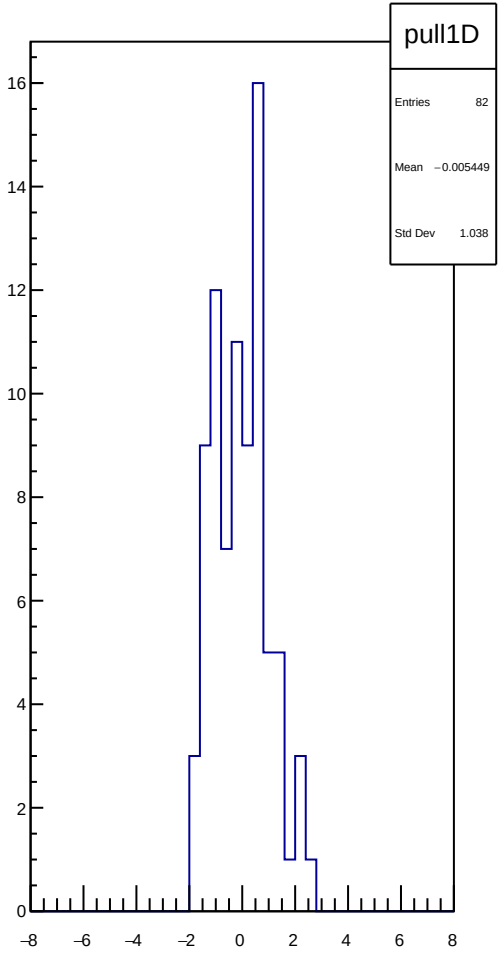

asym_sam1_correction_rms vs run
χ² / ndf 5800 / 81
p0 392.1 ± 0.3142
460
440
420
400
380
360
340

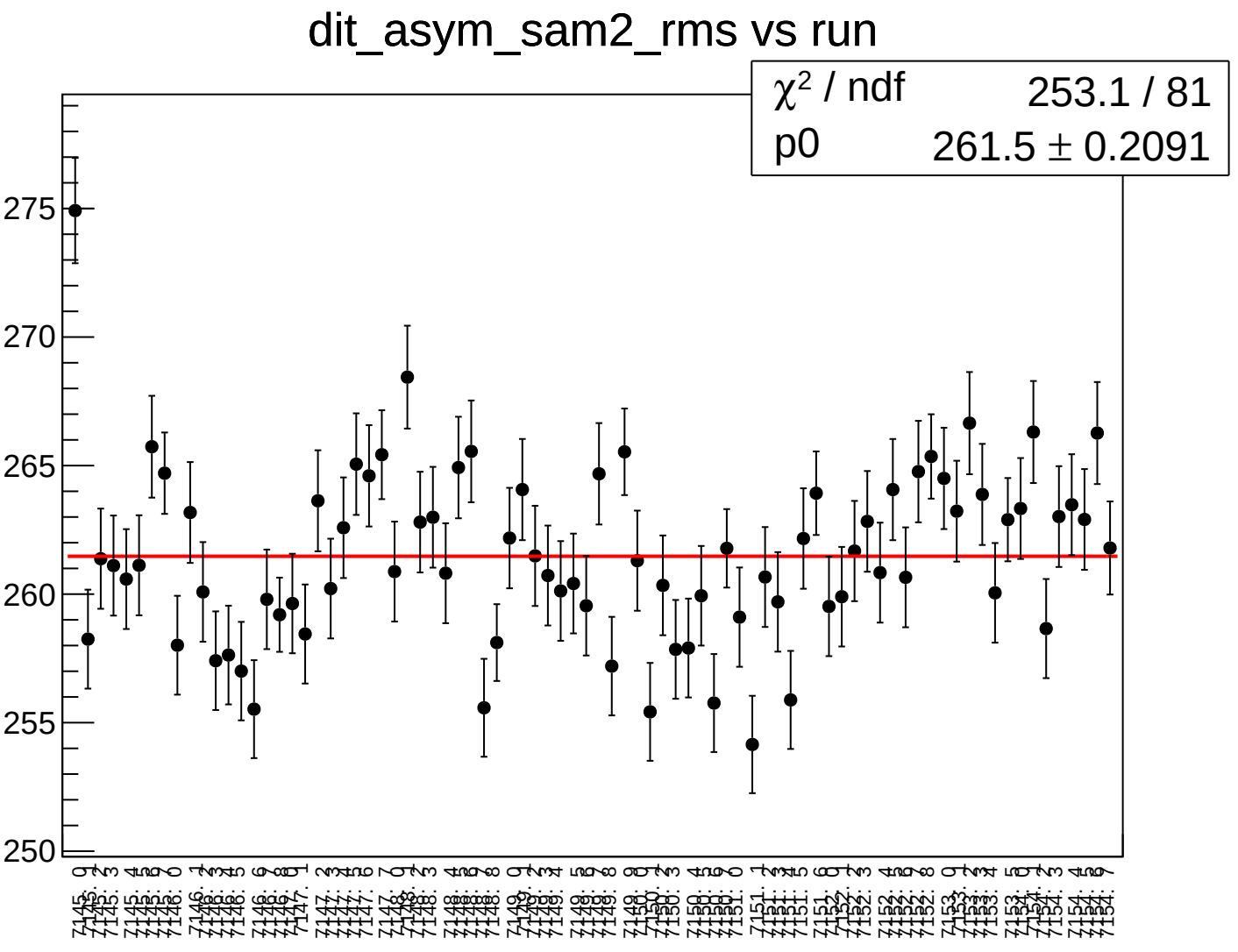

asym_sam1_mean vs run
χ² / ndf 83.61 / 81
p0 −158.8 ± 441.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −429.5
Std Dev 445.8
2
1
0
−1
−2

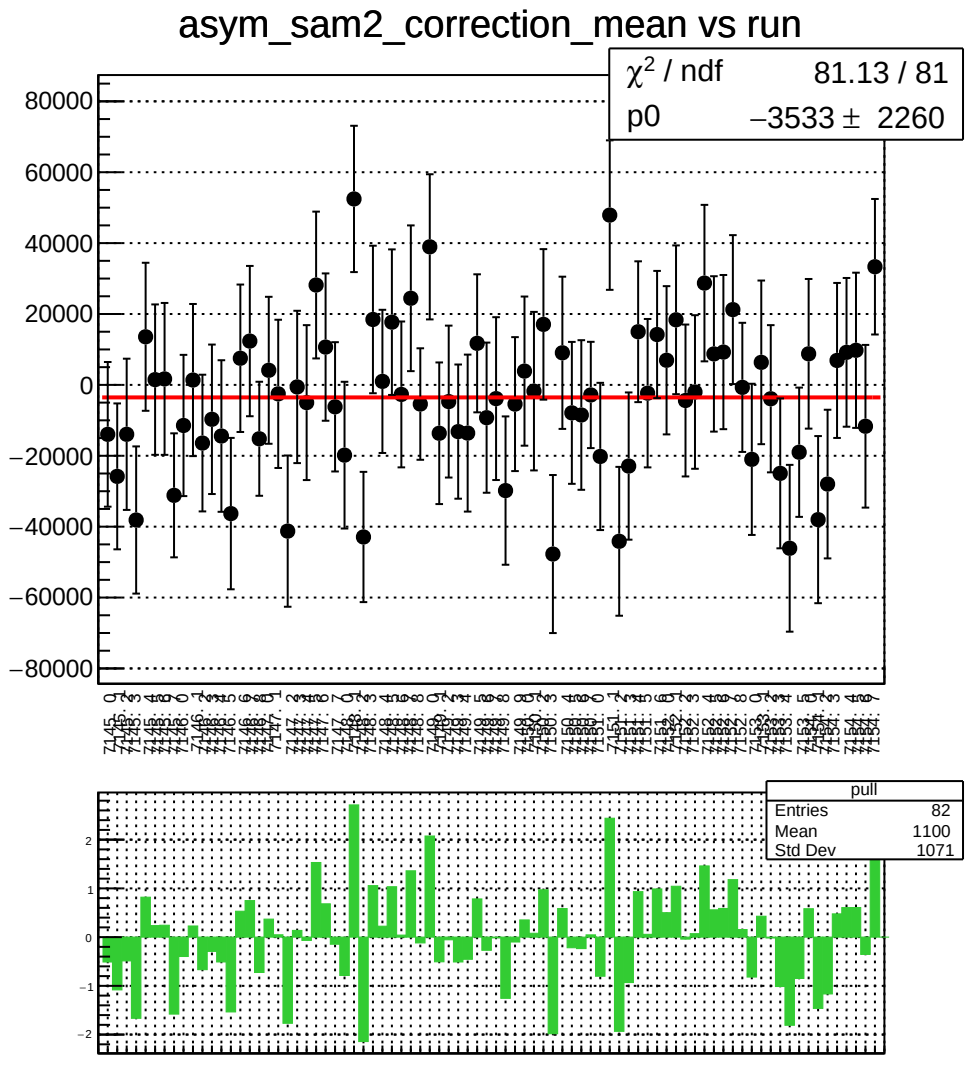

pull1D
Entries 82
Mean 0.004083
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

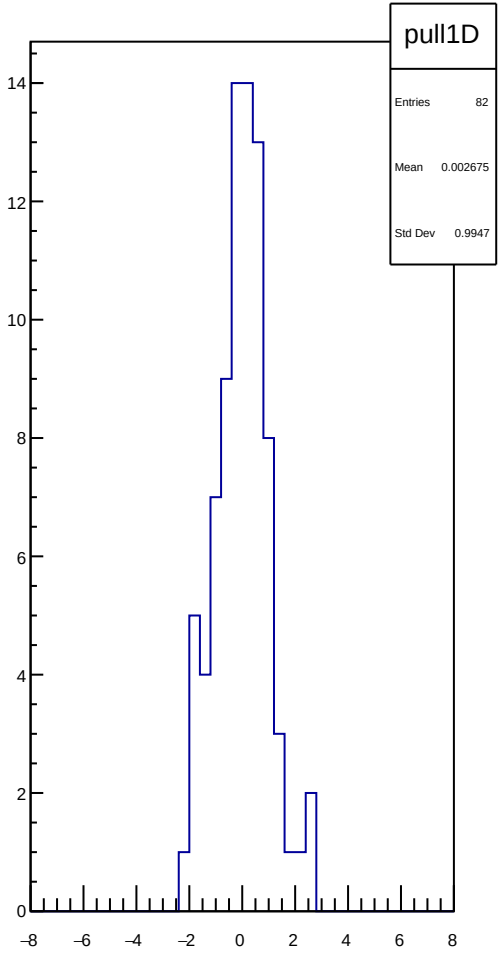

asym_sam1_rms vs run
χ² / ndf 5413 / 81
p0 389.6 ± 0.3121
440
420
400
380
360
340

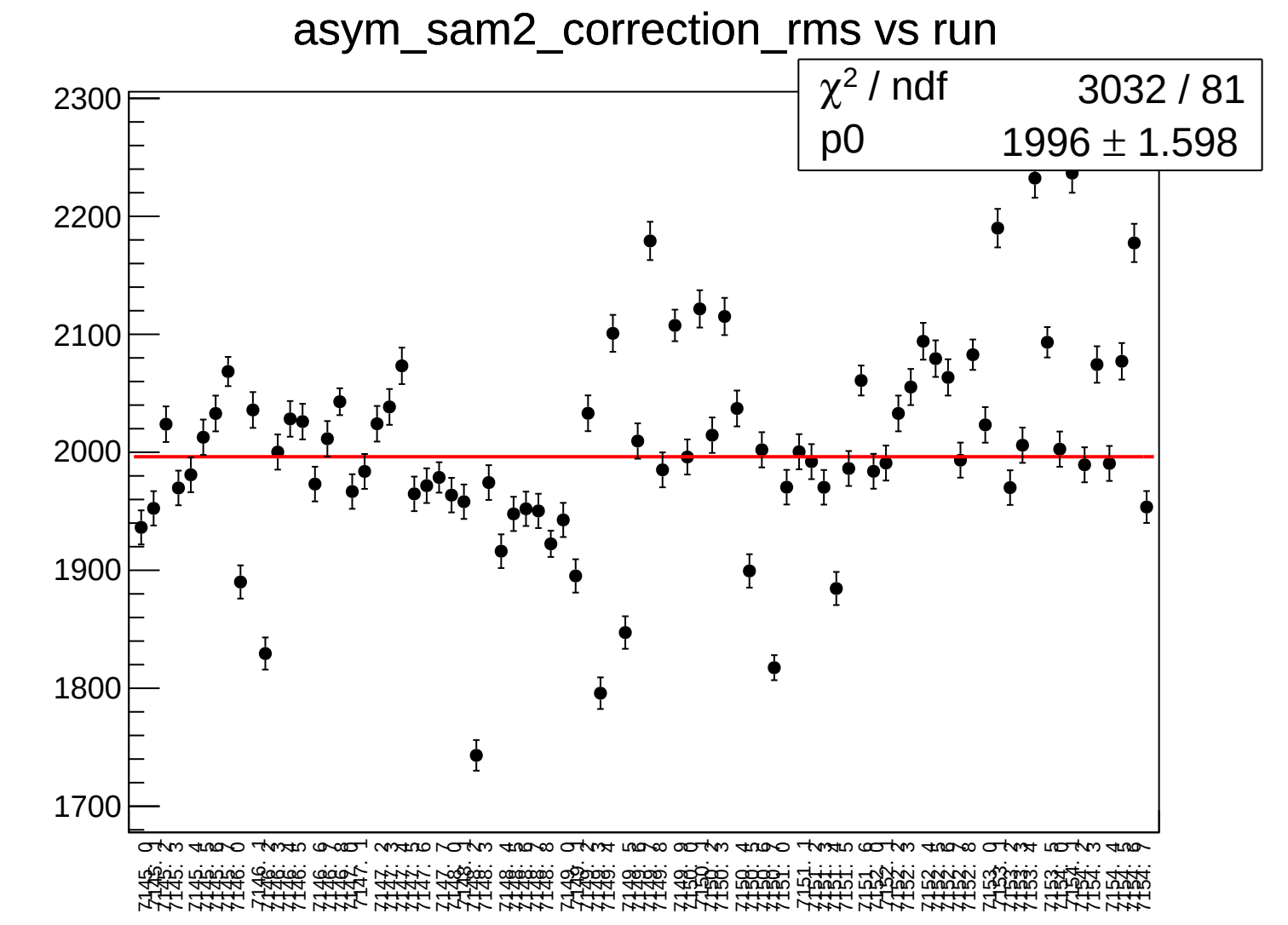

dit_asym_sam2_mean vs run
χ² / ndf 88.39 / 81
p0 −281.6 ± 295.7
pull
Entries 82
Mean −419.4
Std Dev 470.3

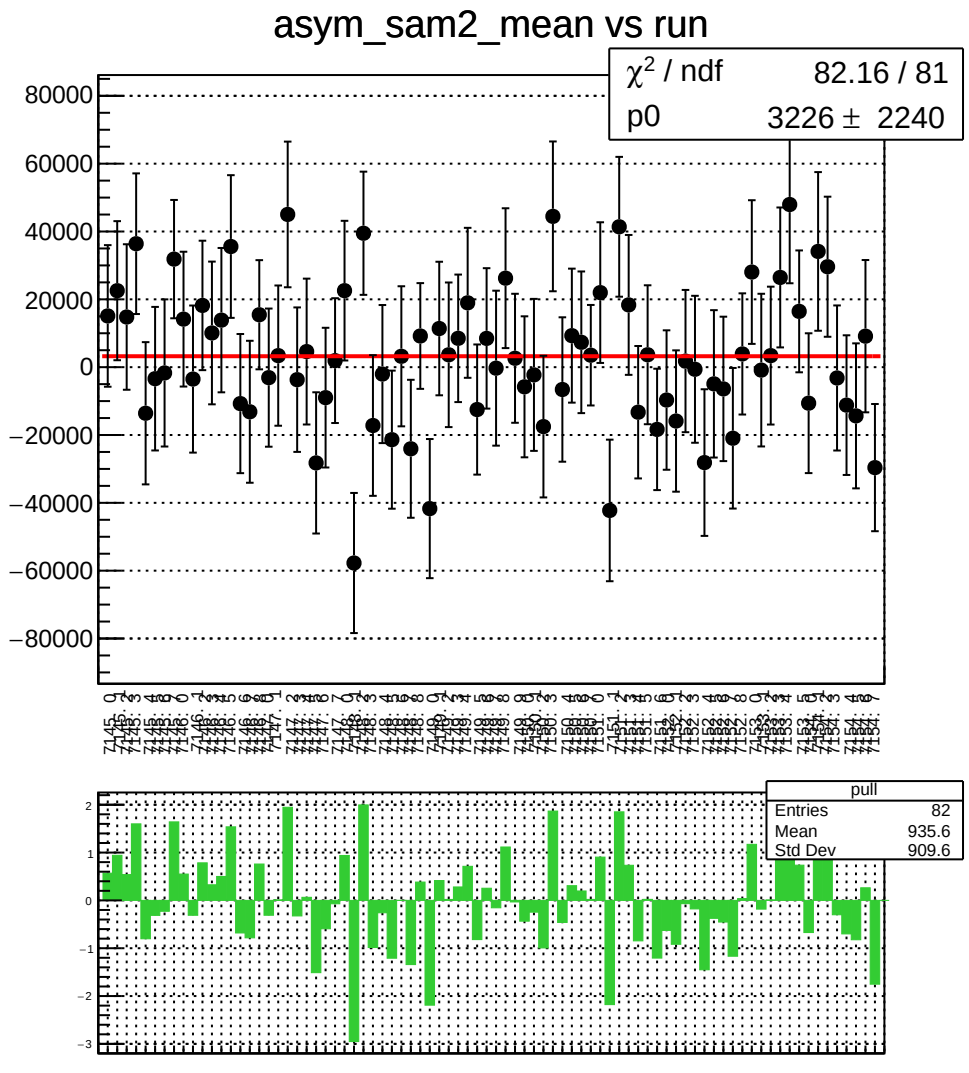

pull1D
Entries 82
Mean −0.005449
Std Dev 1.038

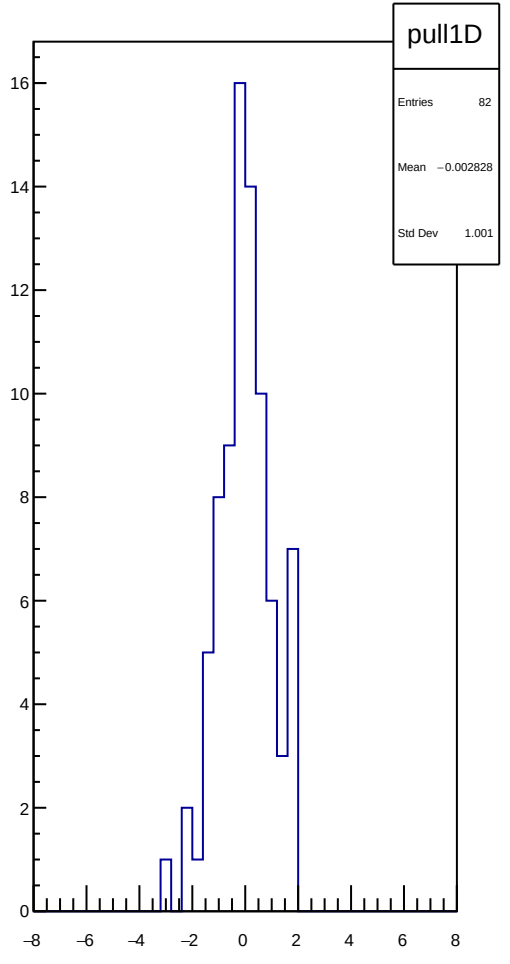

dit_asym_sam2_rms vs run
χ² / ndf 253.1 / 81
p0 261.5 ± 0.2091
275
270
265
260
255
250

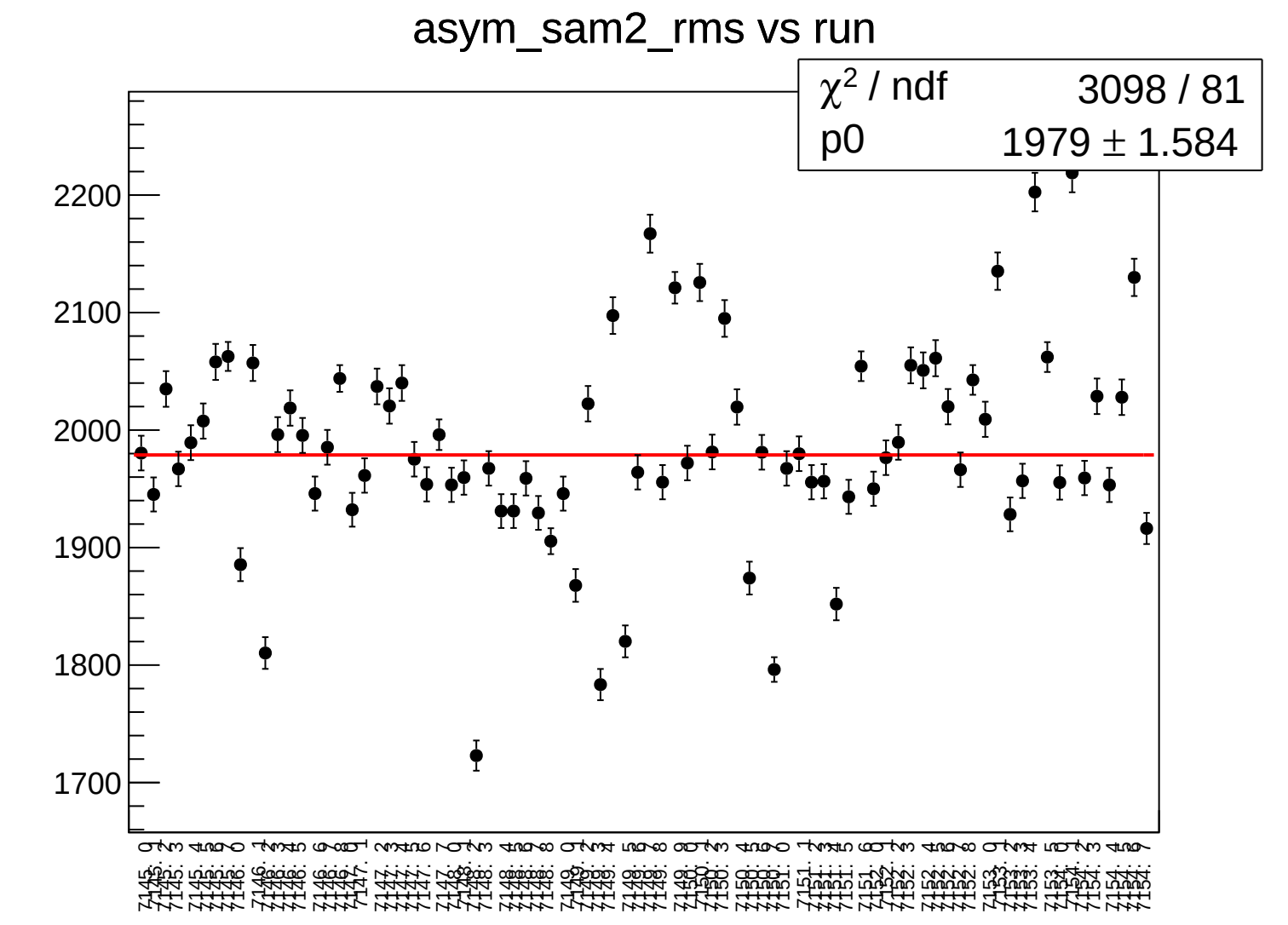

asym_sam2_correction_mean vs run
χ² / ndf 81.13 / 81
p0 −3533 ± 2260
pull
Entries 82
Mean 1100
Std Dev 1071

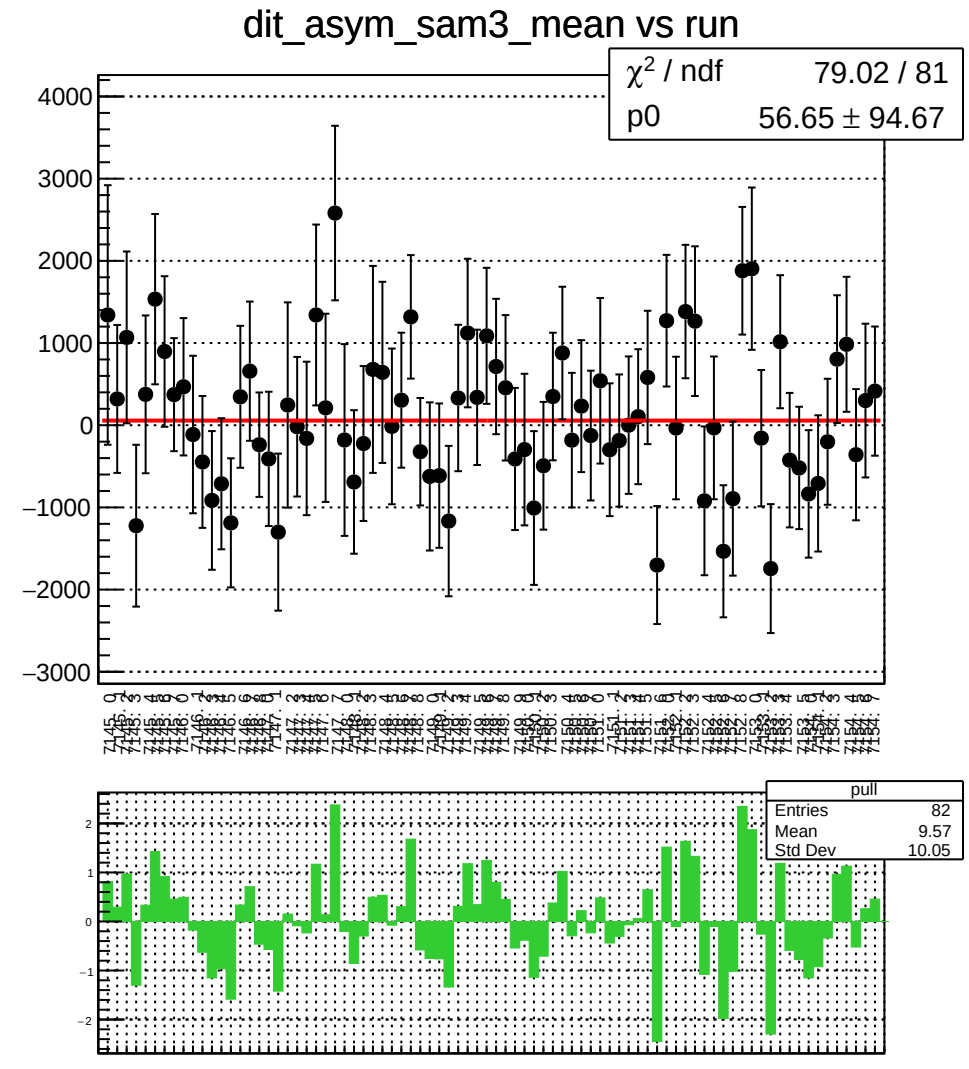

pull1D
Entries 82
Mean 0.002675
Std Dev 0.9947

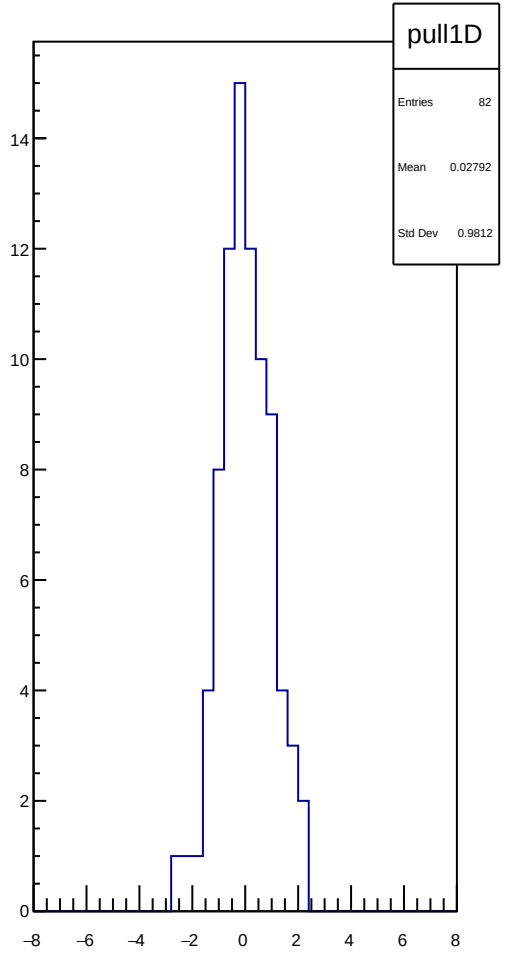

asym_sam2_correction_rms vs run
χ² / ndf 3032 / 81
p0 1996 ± 1.598
2300
2200
2100
2000
1900
1800
1700

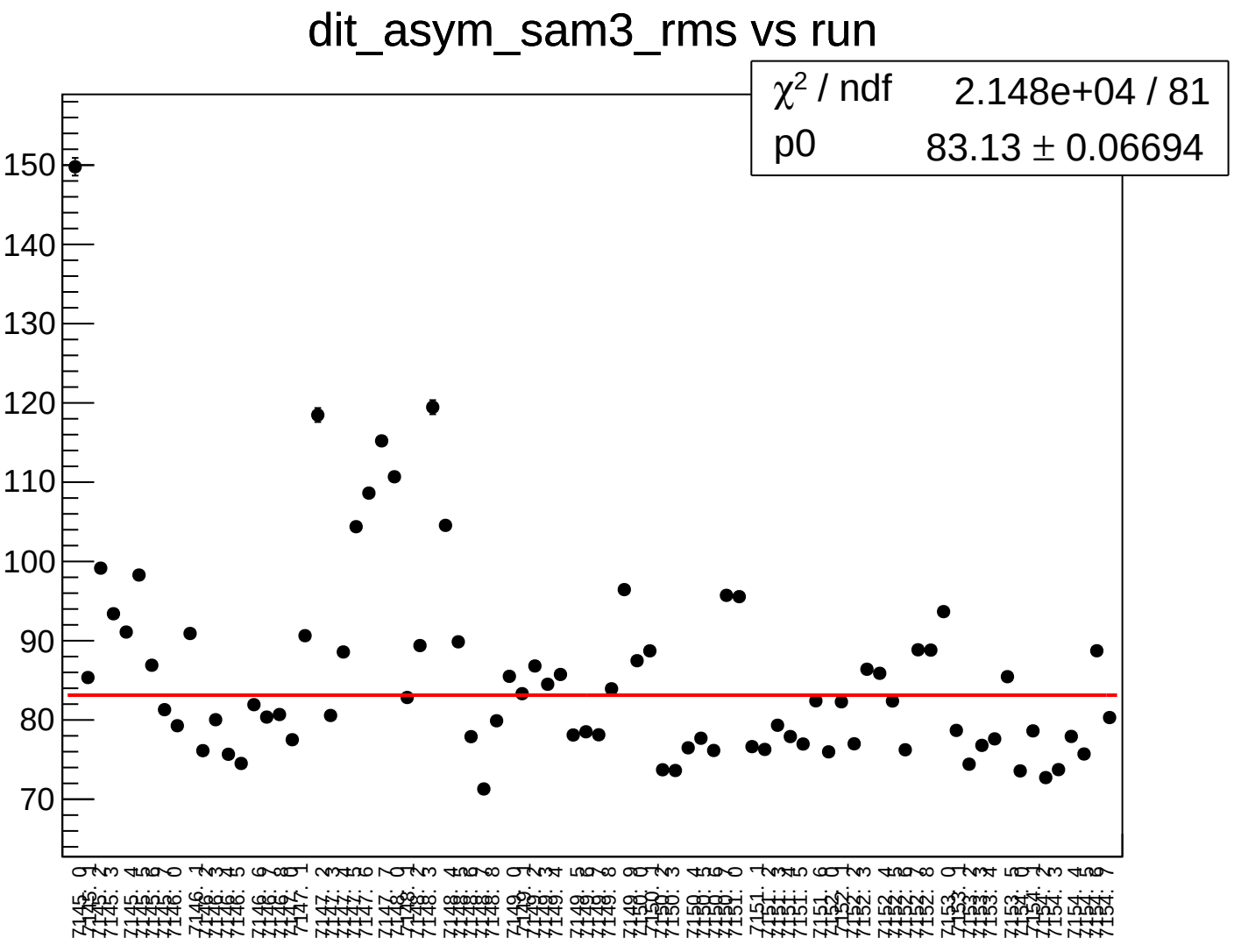

asym_sam2_mean vs run
χ² / ndf 82.16 / 81
p0 3226 ± 2240
pull
Entries 82
Mean 935.6
Std Dev 909.6

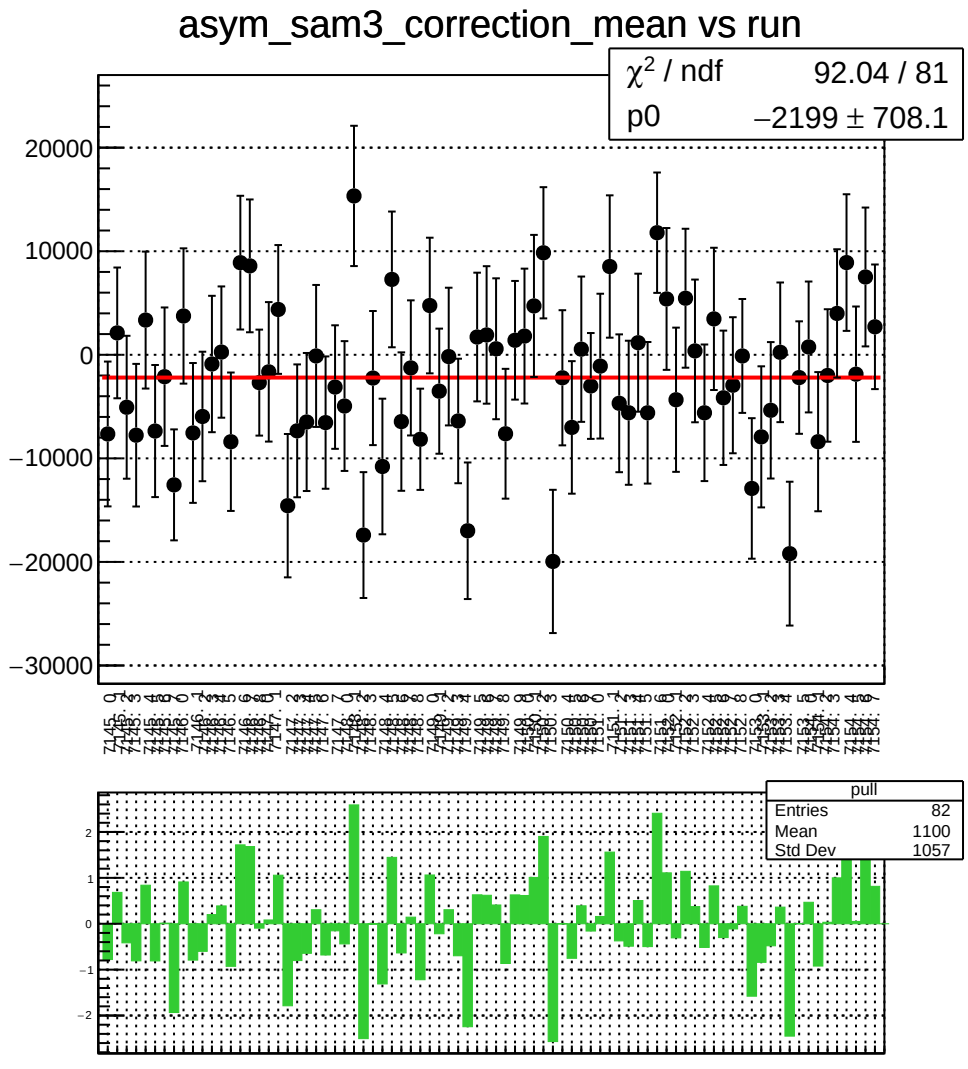

pull1D
Entries 82
Mean −0.002828
Std Dev 1.001

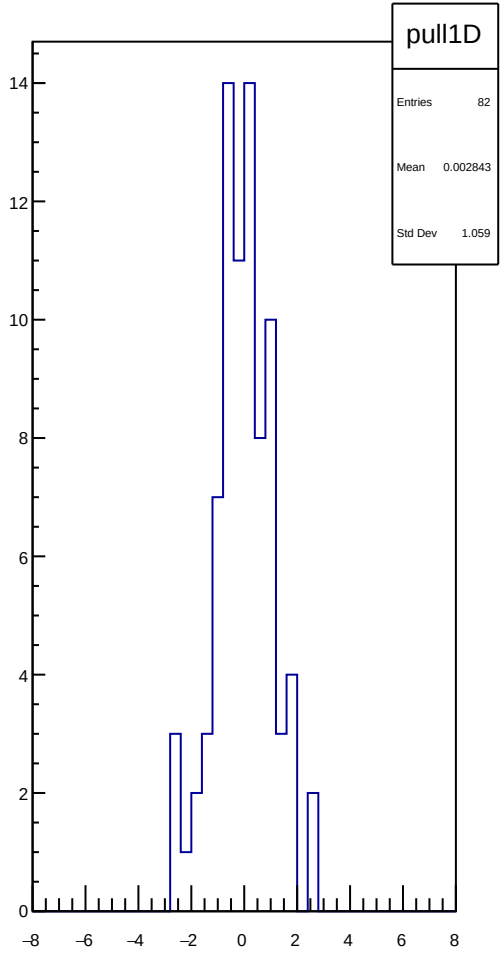

asym_sam2_rms vs run
χ² / ndf 3098 / 81
p0 1979 ± 1.584
2200
2100
2000
1900
1800
1700

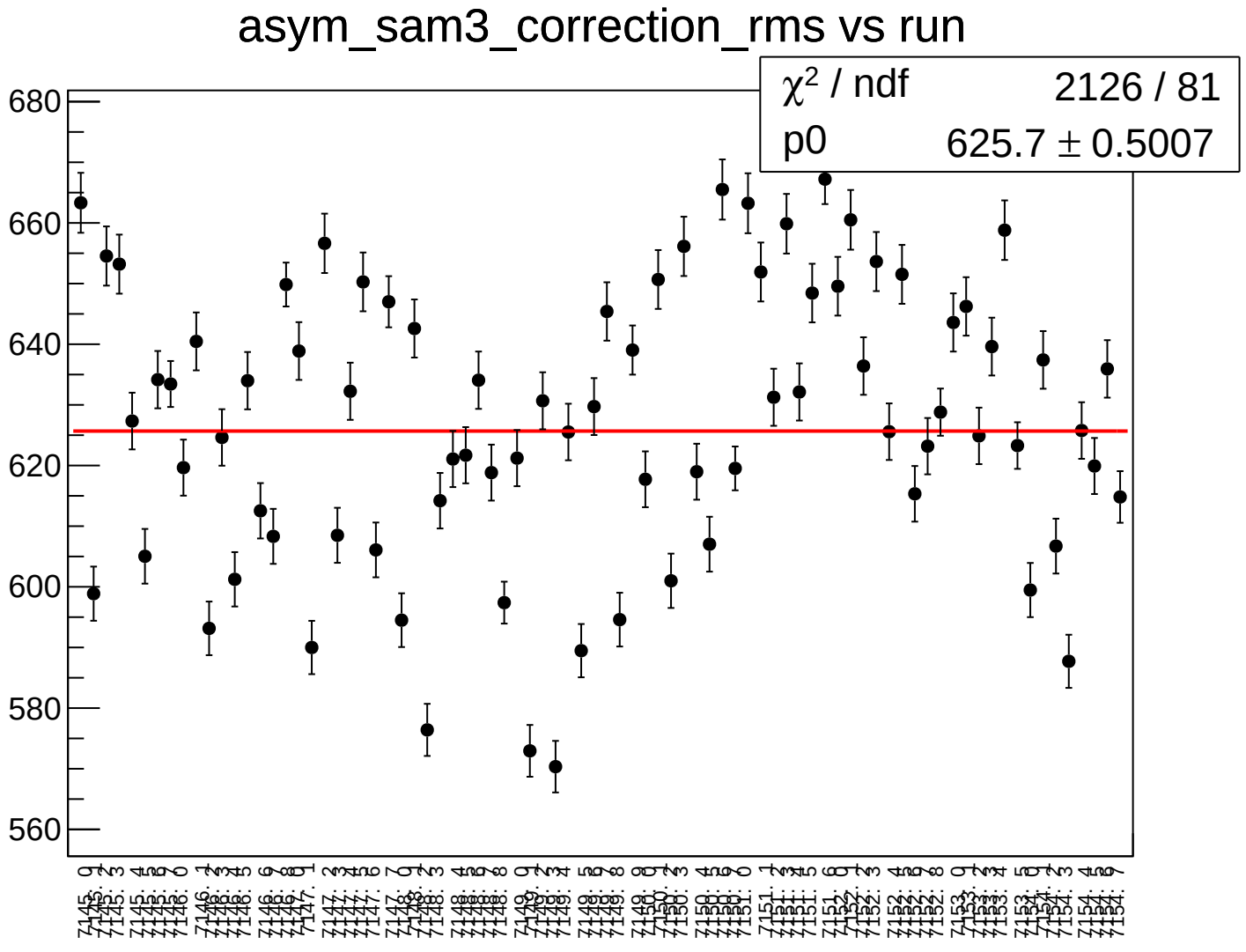

dit_asym_sam3_mean vs run
χ² / ndf 79.02 / 81
p0 56.65 ± 94.67
pull
Entries 82
Mean 9.57
Std Dev 10.05

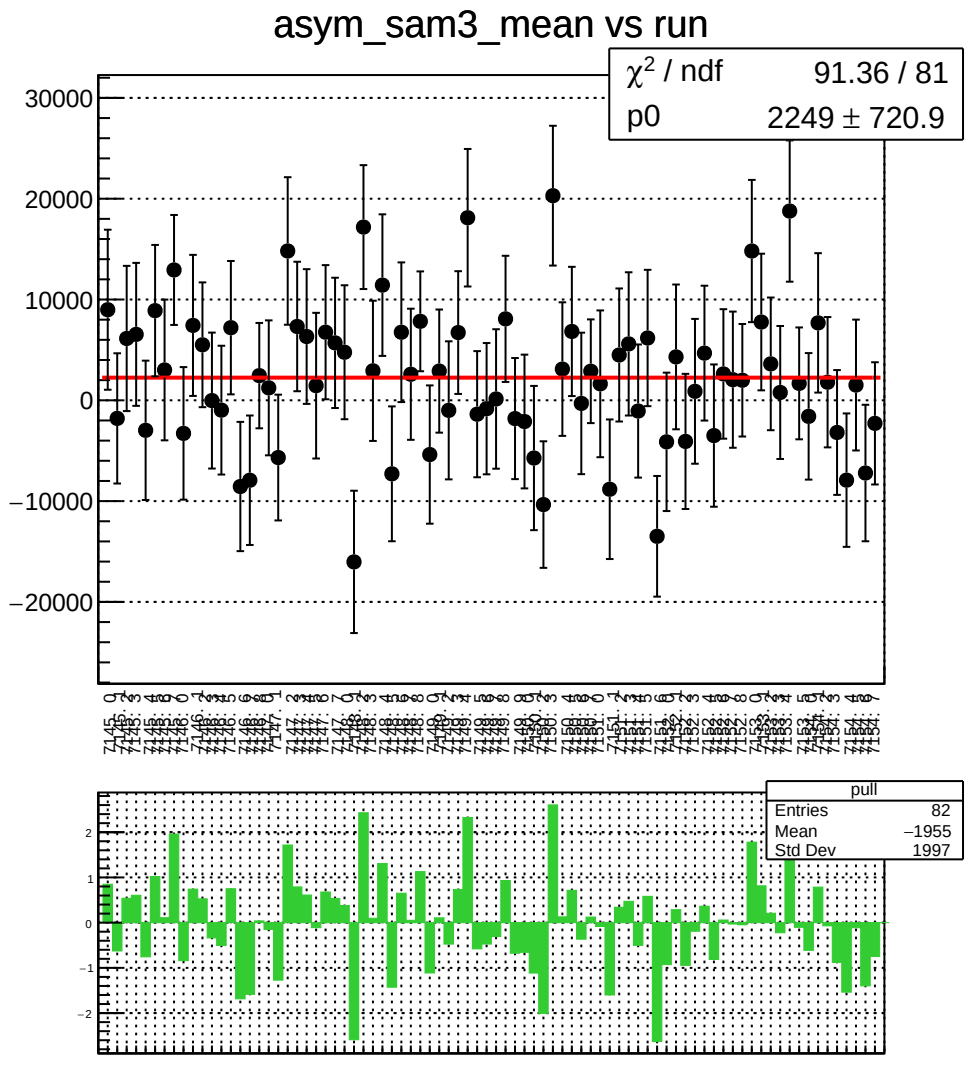

pull1D
Entries 82
Mean 0.02792
Std Dev 0.9812

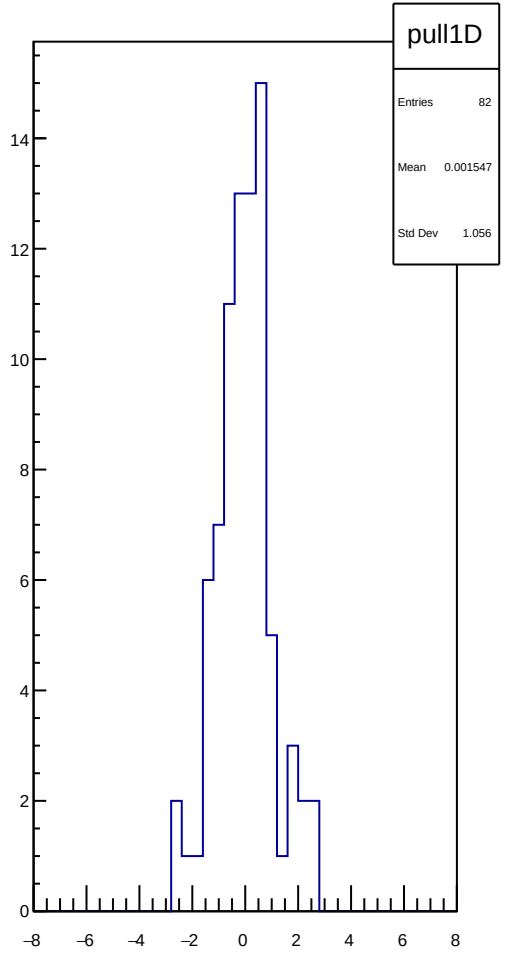

dit_asym_sam3_rms vs run
χ² / ndf 2.148e+04 / 81
p0 83.13 ± 0.06694
150
140
130
120
110
100
90
80
70

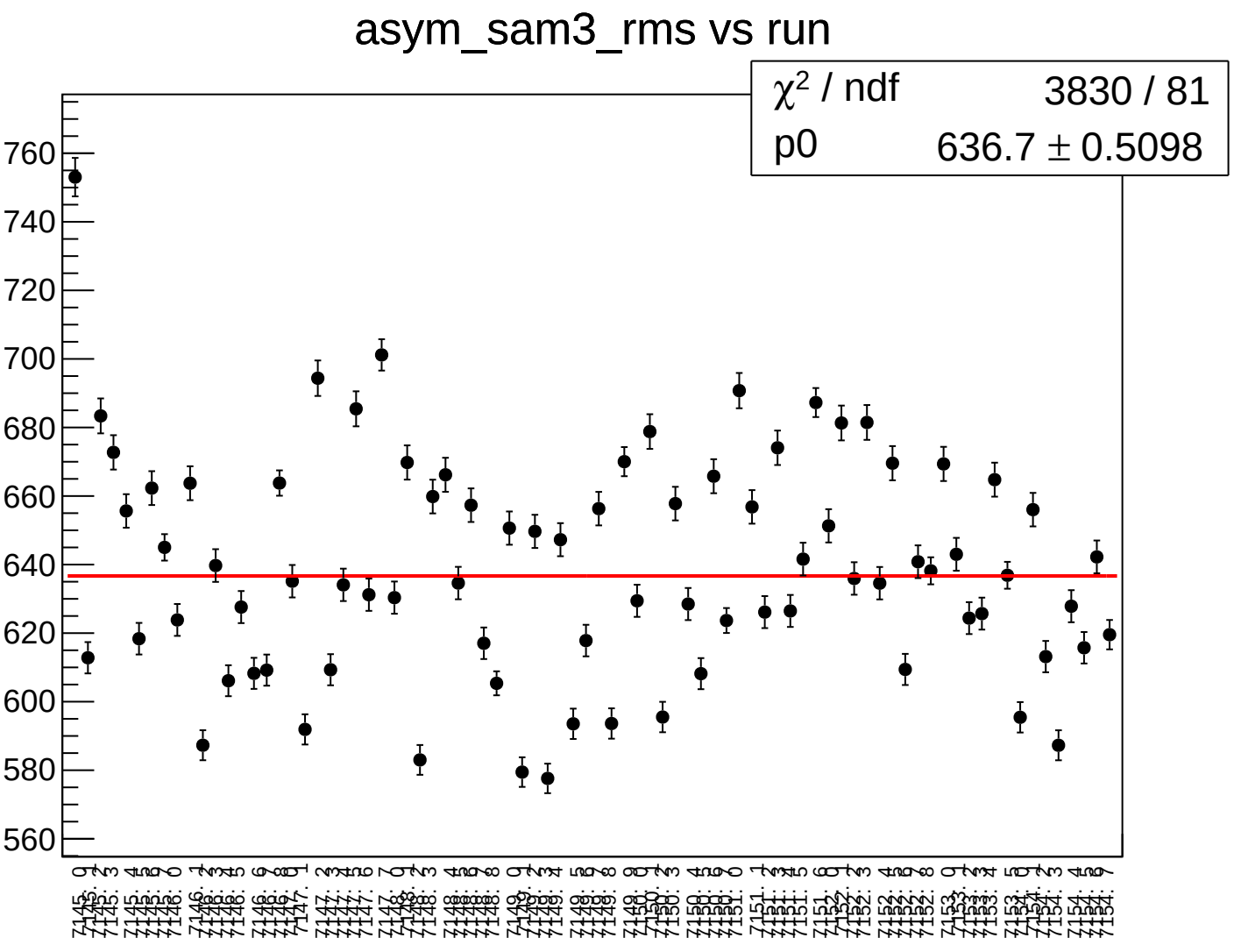

asym_sam3_correction_mean vs run
χ² / ndf 92.04 / 81
p0 −2199 ± 708.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1100
Std Dev 1057
2
1
0
−1
−2

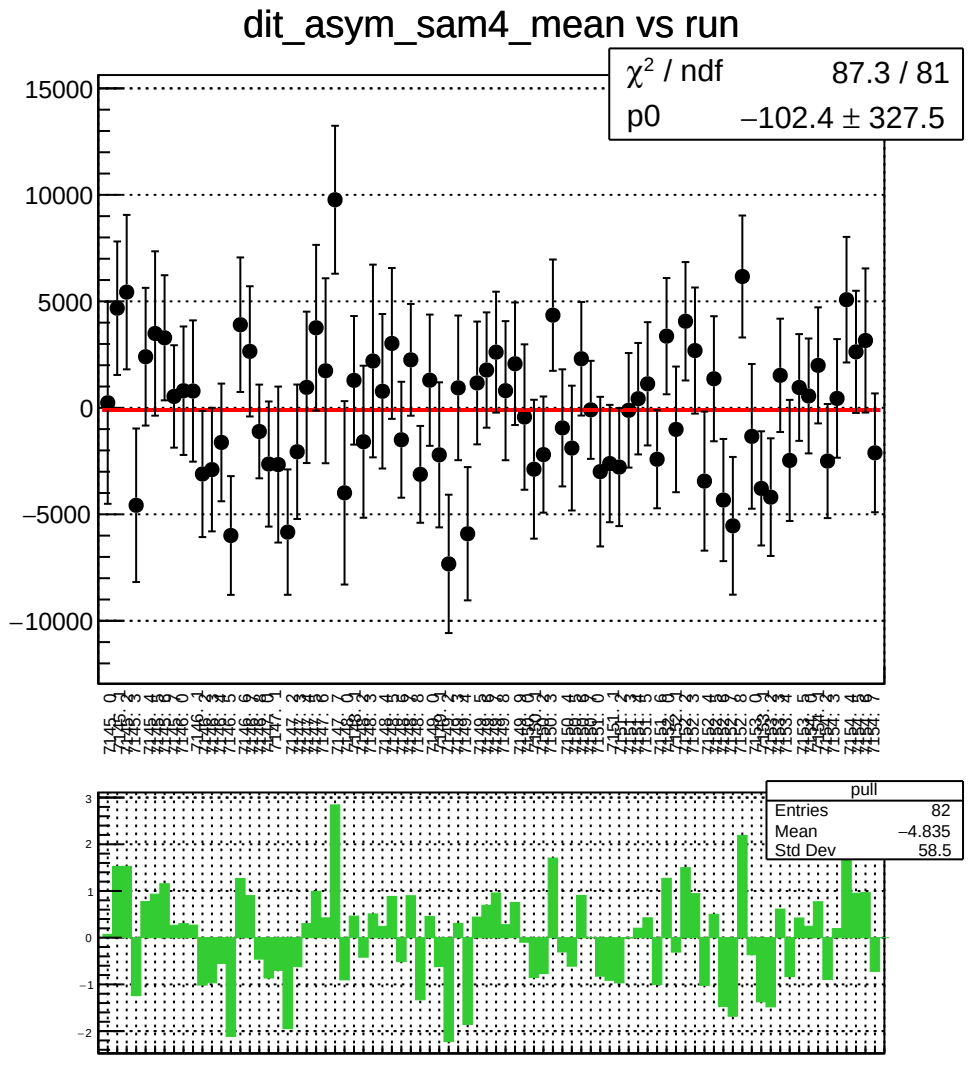

pull1D
Entries 82
Mean 0.002843
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

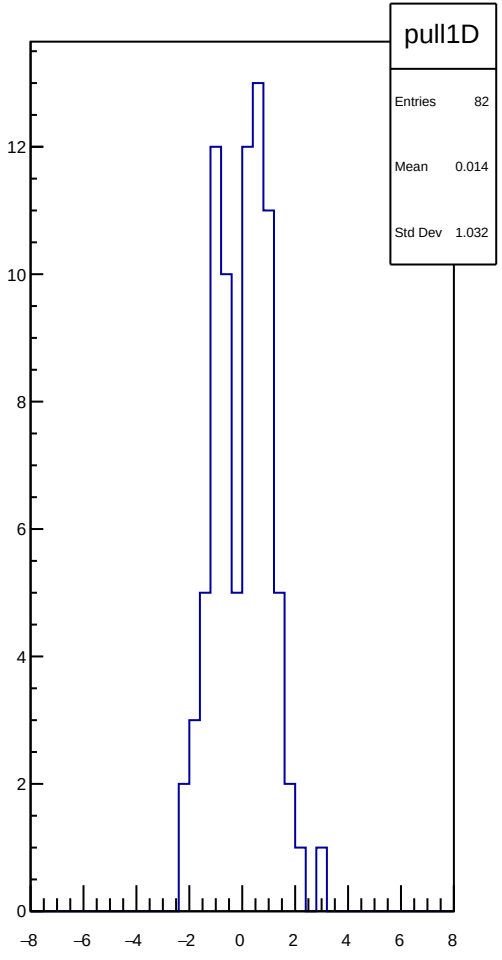

asym_sam3_correction_rms vs run
χ² / ndf 2126 / 81
p0 625.7 ± 0.5007
680
660
640
620
600
580
560

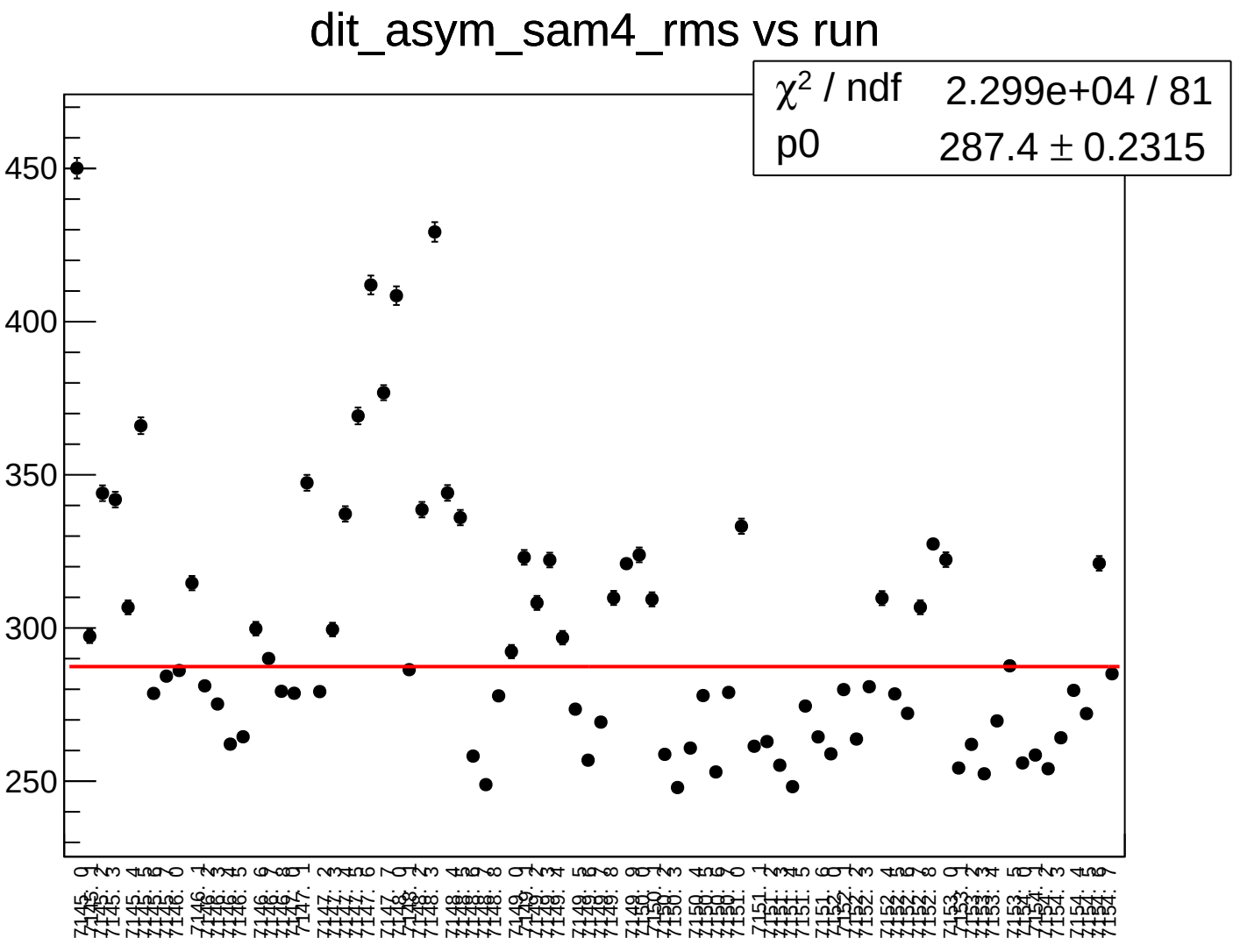

asym_sam3_mean vs run
χ^2 / ndf 91.36 / 81
p0 2249 ± 720.9
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −1955
Std Dev 1997
2
1
0
−1
−2

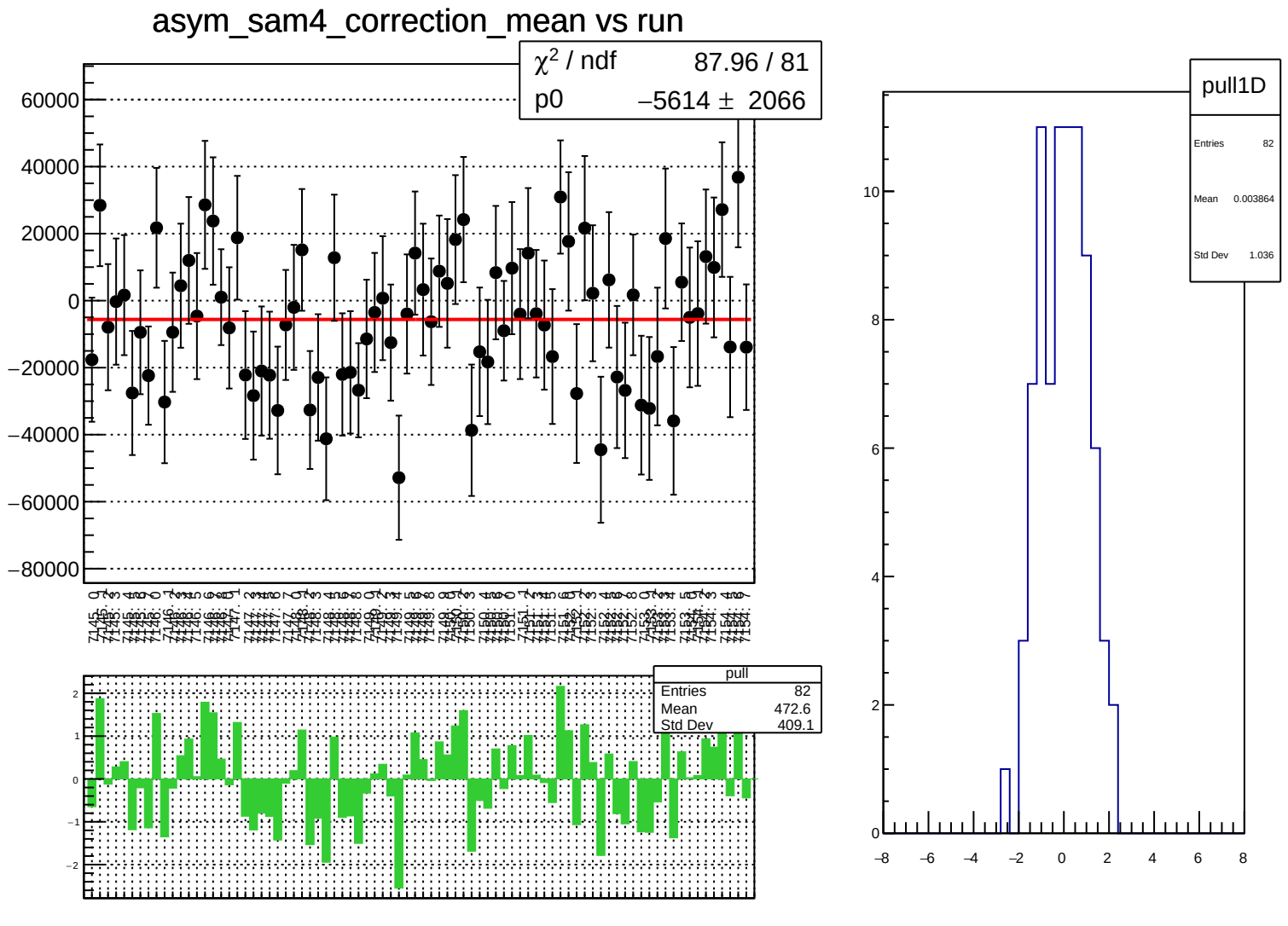

pull1D
Entries 82
Mean 0.001547
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

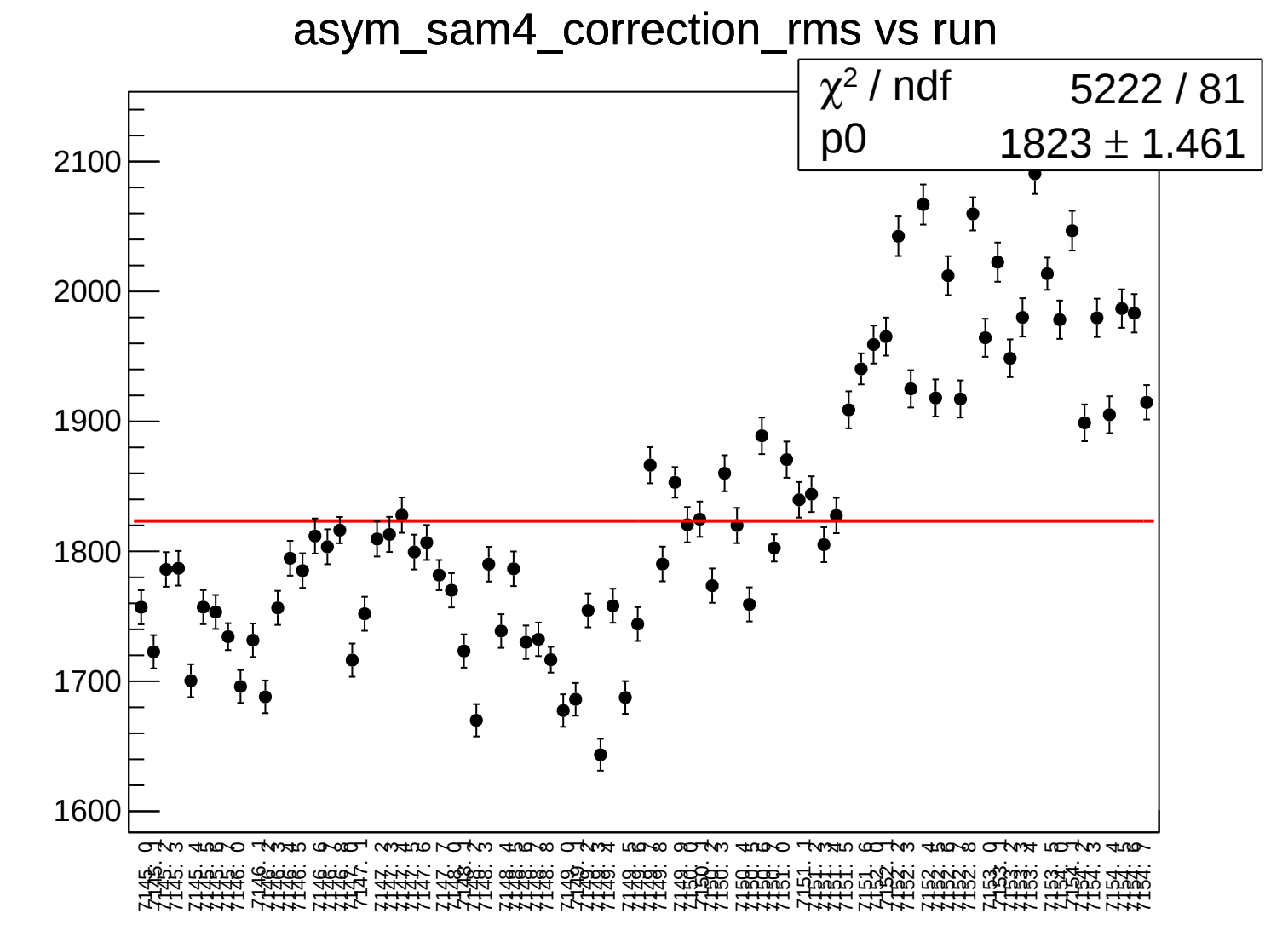

asym_sam3_rms vs run
χ² / ndf 3830 / 81
p0 636.7 ± 0.5098
760
740
720
700
680
660
640
620
600
580
560

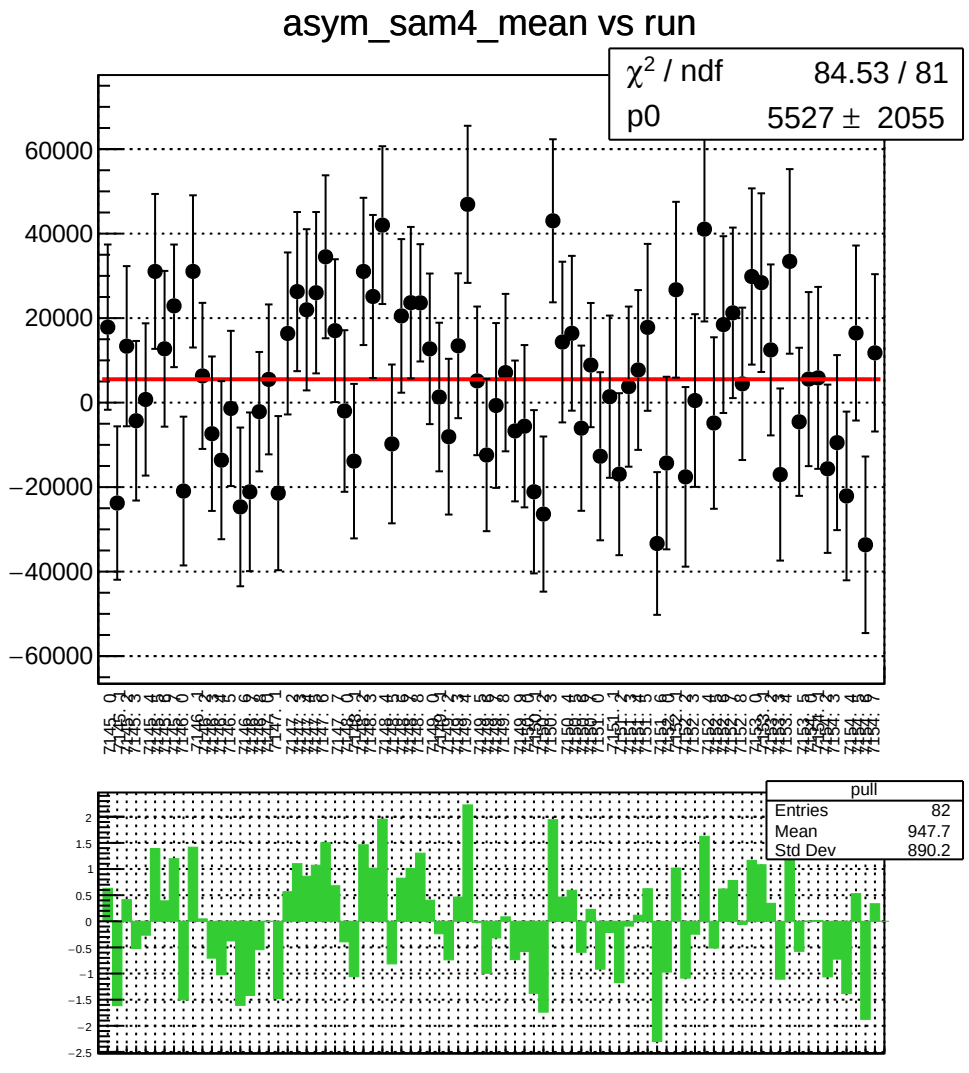

dit_asym_sam4_mean vs run
χ² / ndf 87.3 / 81
p0 −102.4 ± 327.5
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −4.835
Std Dev 58.5
3
2
1
0
−1
−2

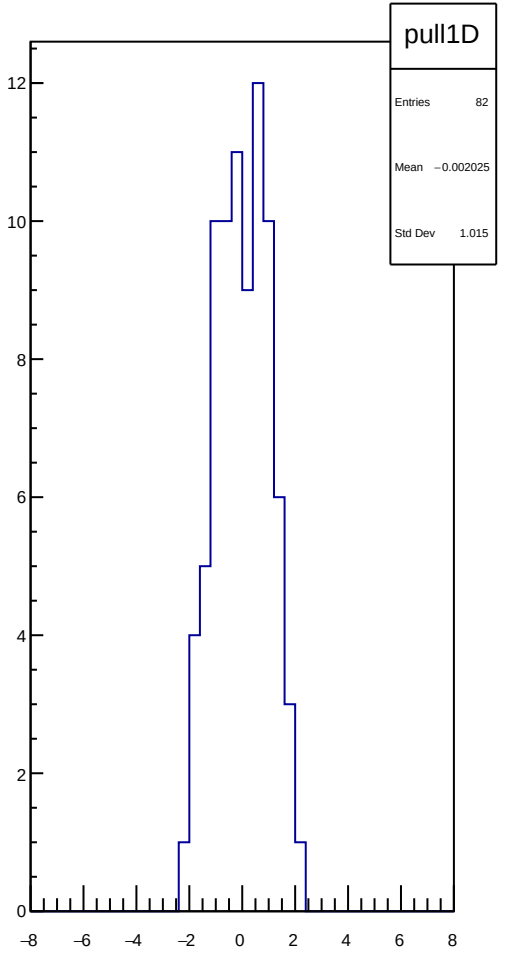

pull1D
Entries 82
Mean 0.014
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

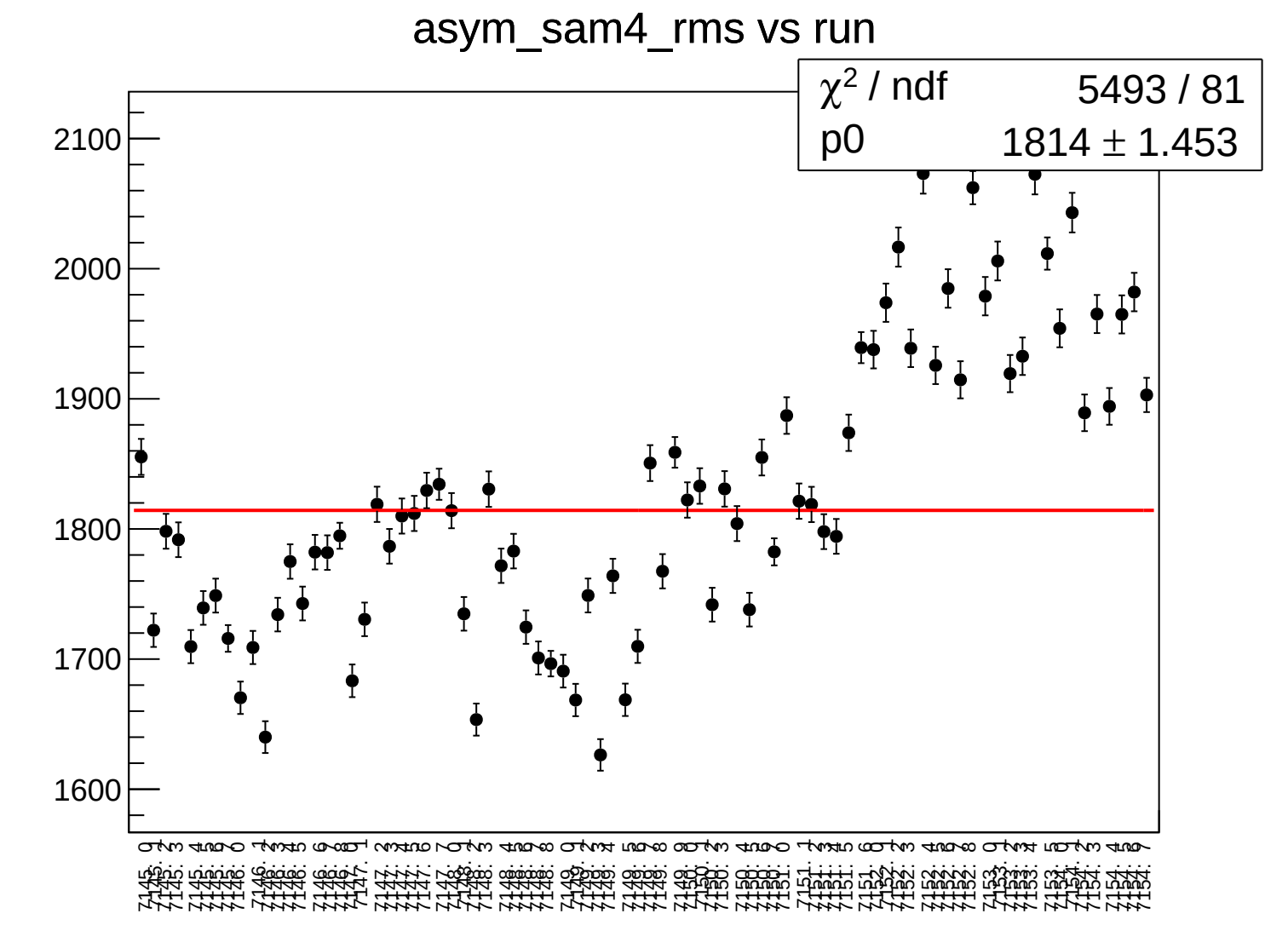

dit_asym_sam4_rms vs run
χ² / ndf 2.299e+04 / 81
p0 287.4 ± 0.2315
450
400
350
300
250

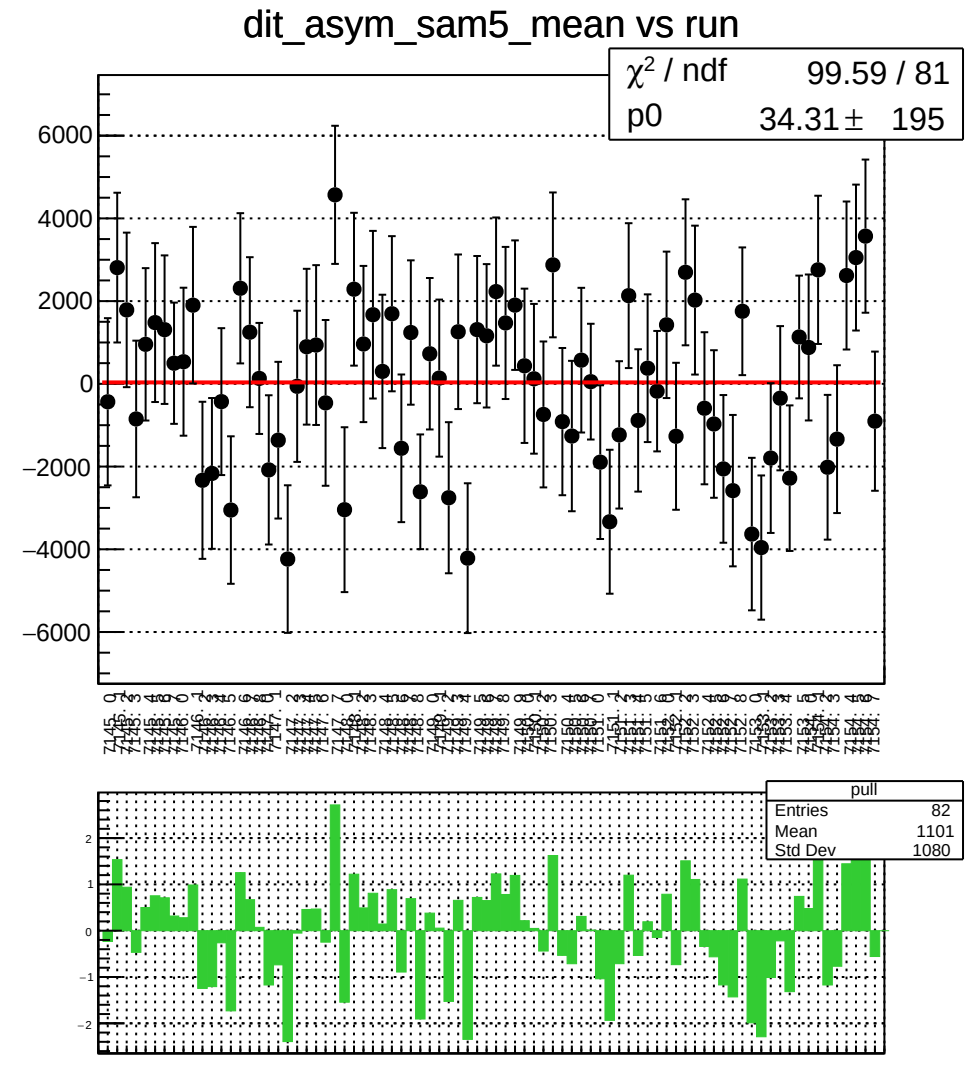

asym_sam4_correction_mean vs run
χ² / ndf 87.96 / 81
p0 −5614 ± 2066
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean 472.6
Std Dev 409.1
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003864
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

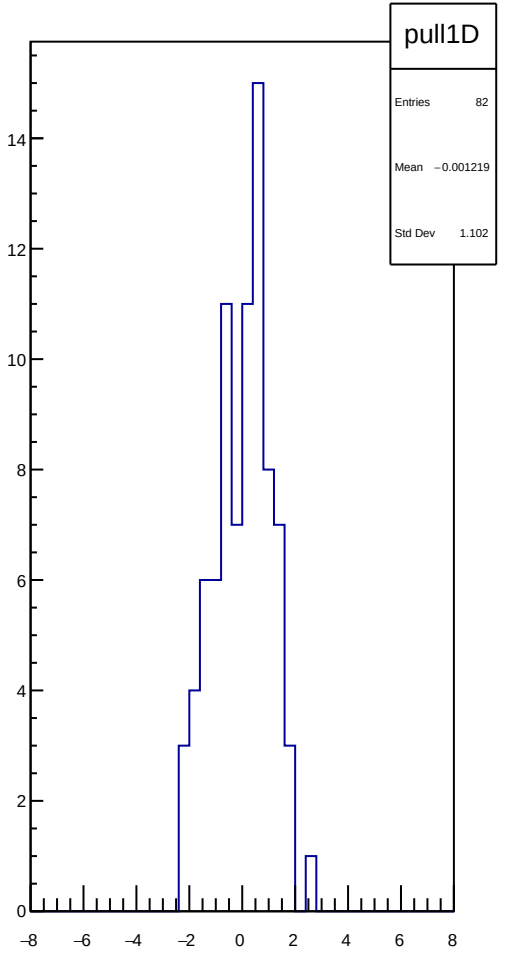

asym_sam4_correction_rms vs run
χ² / ndf 5222 / 81
p0 1823 ± 1.461
2100
2000
1900
1800
1700
1600

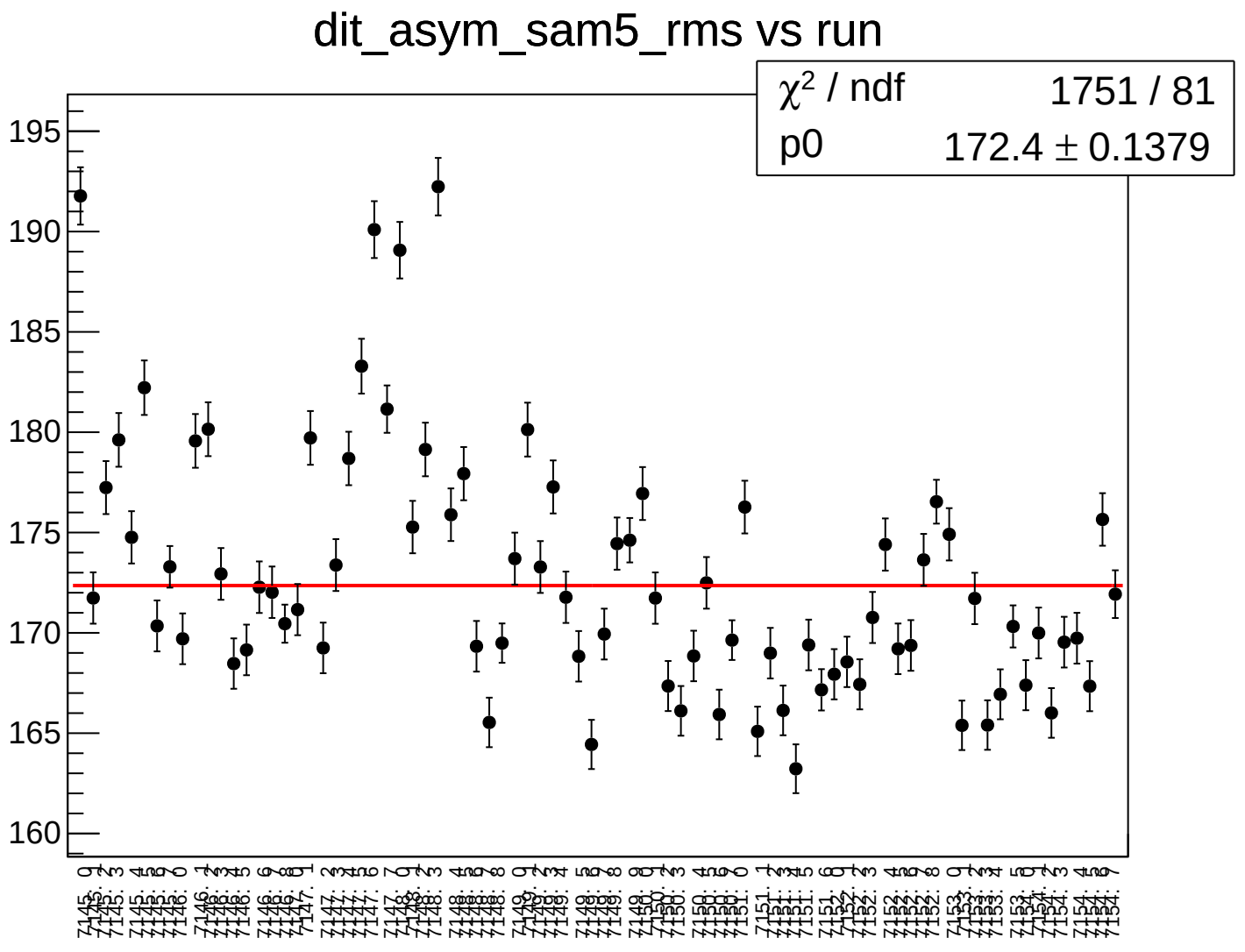

asym_sam4_mean vs run
χ² / ndf 84.53 / 81
p0 5527 ± 2055
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 947.7
Std Dev 890.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

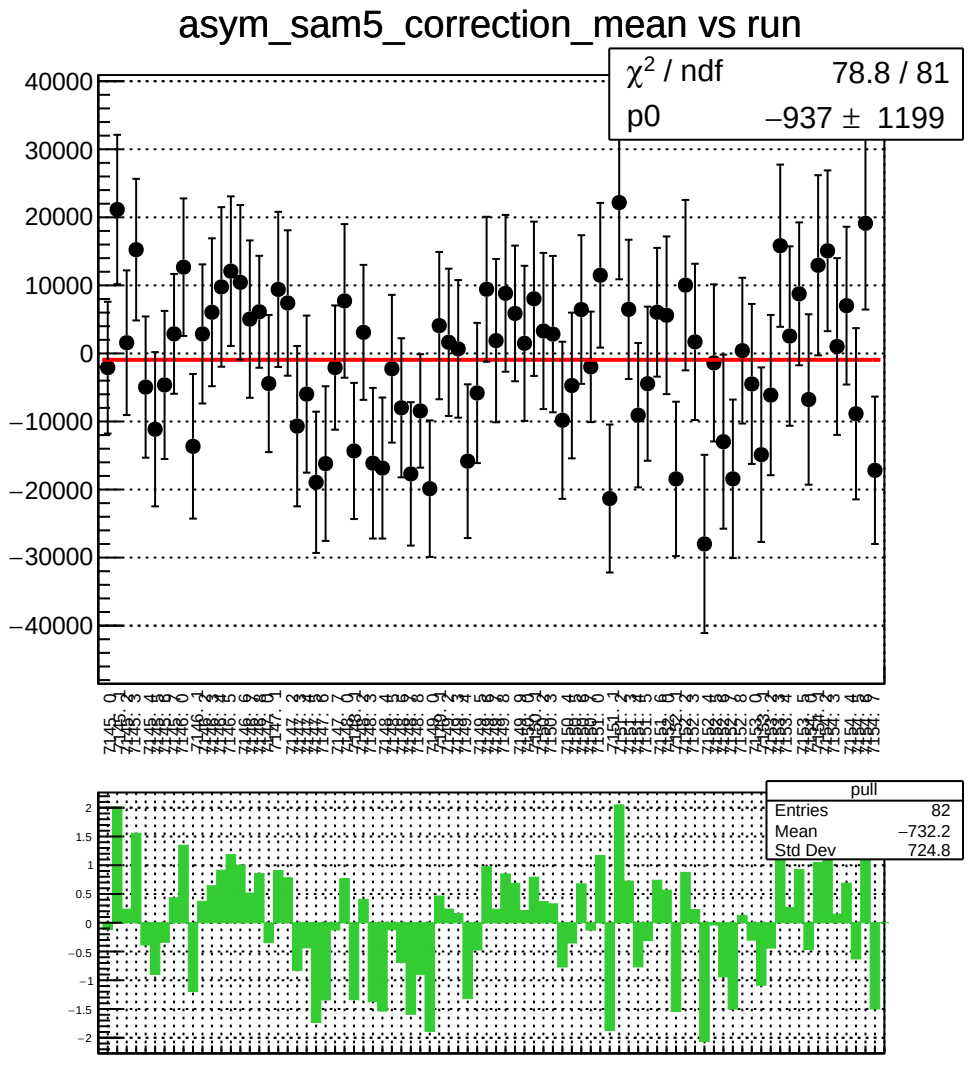

pull1D
Entries 82
Mean −0.002025
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

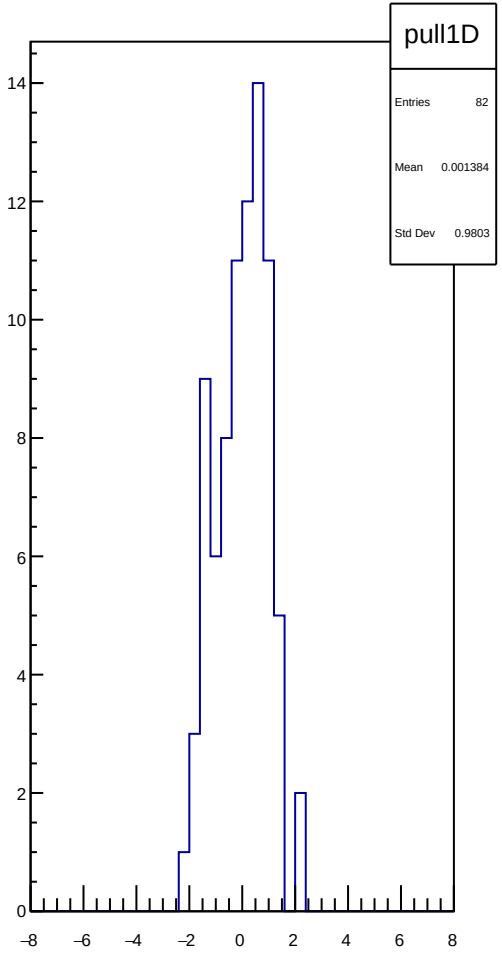

asym_sam4_rms vs run
χ² / ndf 5493 / 81
p0 1814 ± 1.453
2100
2000
1900
1800
1700
1600

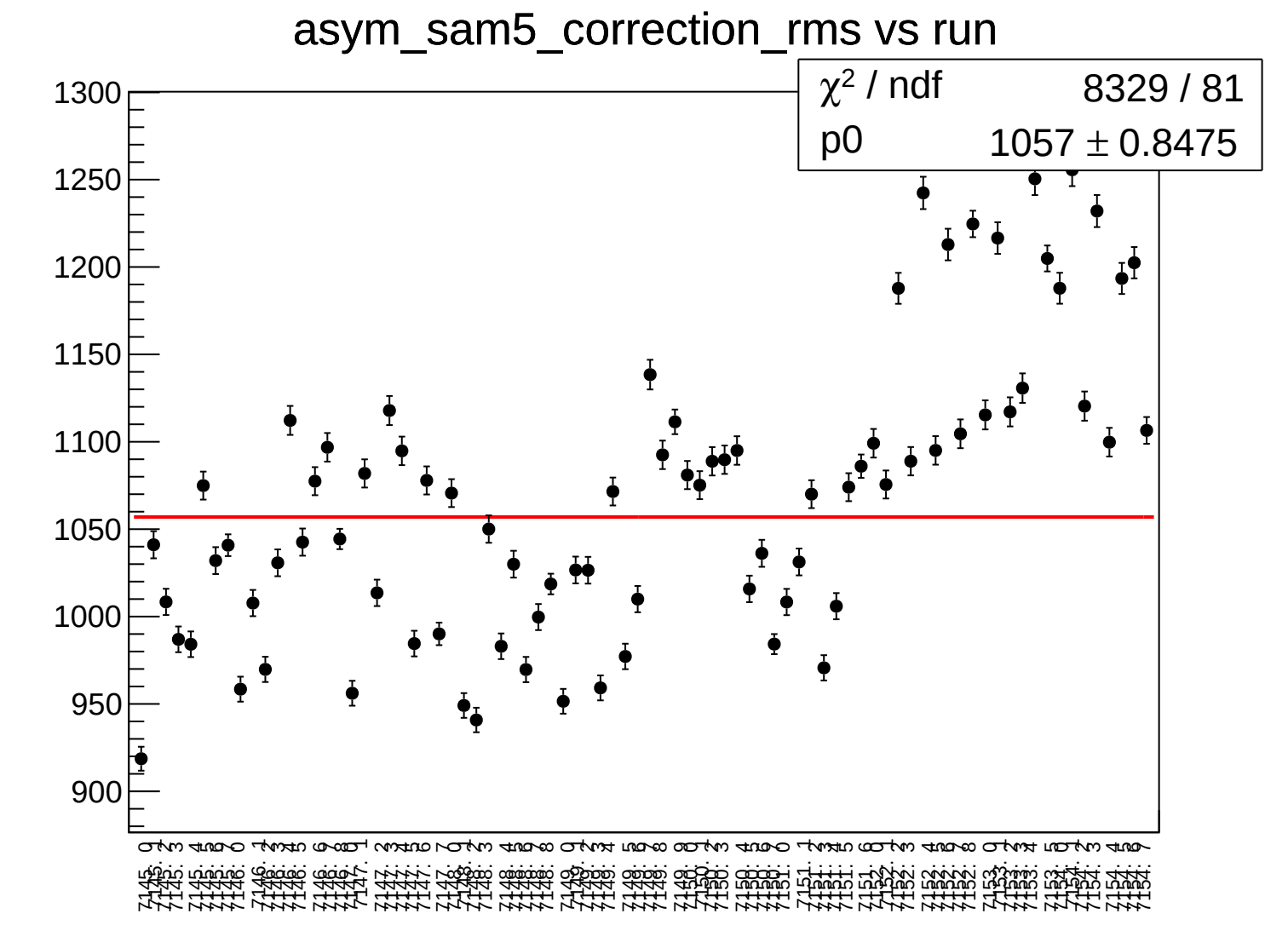

dit_asym_sam5_mean vs run
χ² / ndf 99.59 / 81
p0 34.31 ± 195
pull
Entries 82
Mean 1101
Std Dev 1080

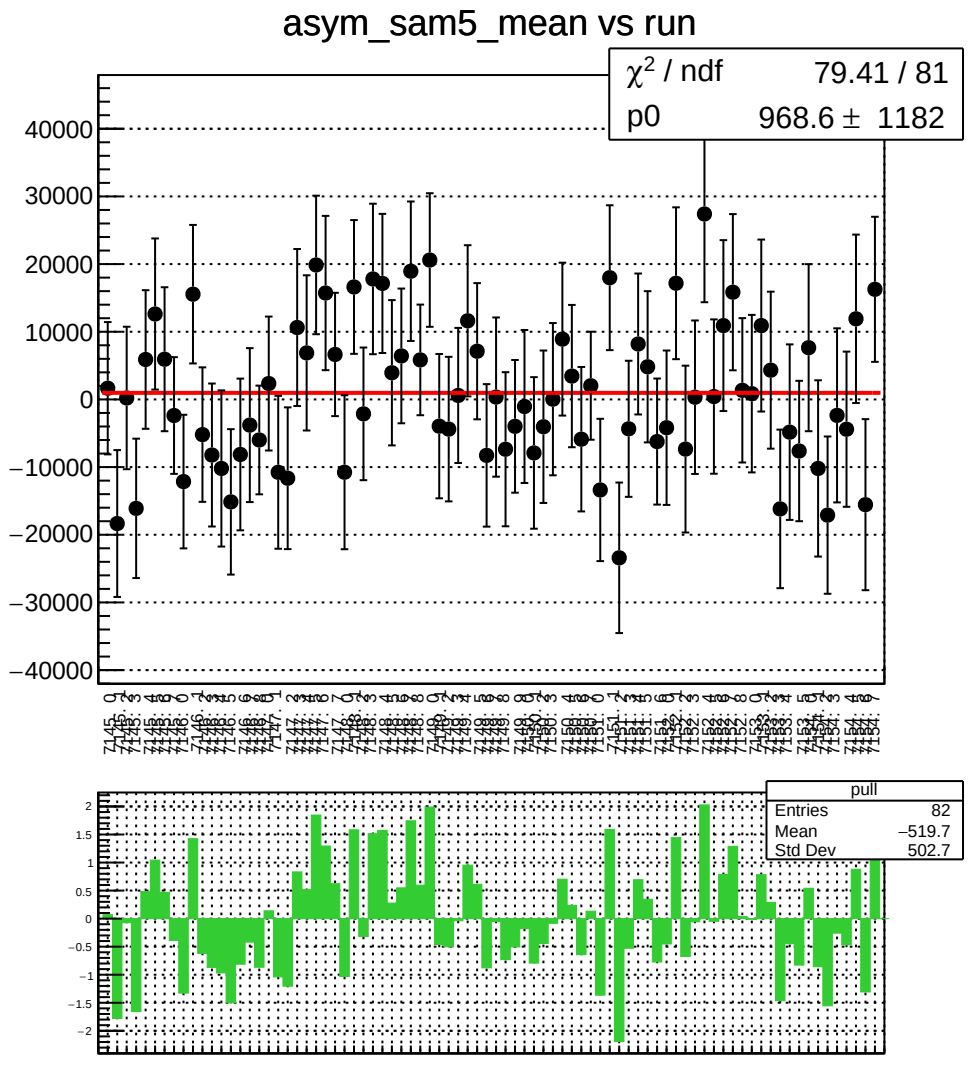

pull1D
Entries 82
Mean −0.001219
Std Dev 1.102

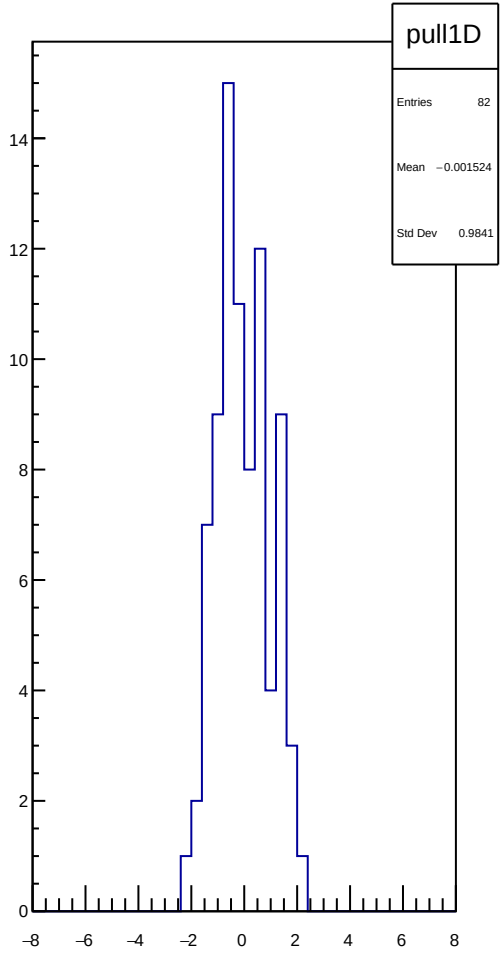

dit_asym_sam5_rms vs run
χ² / ndf 1751 / 81
p0 172.4 ± 0.1379
195
190
185
180
175
170
165
160

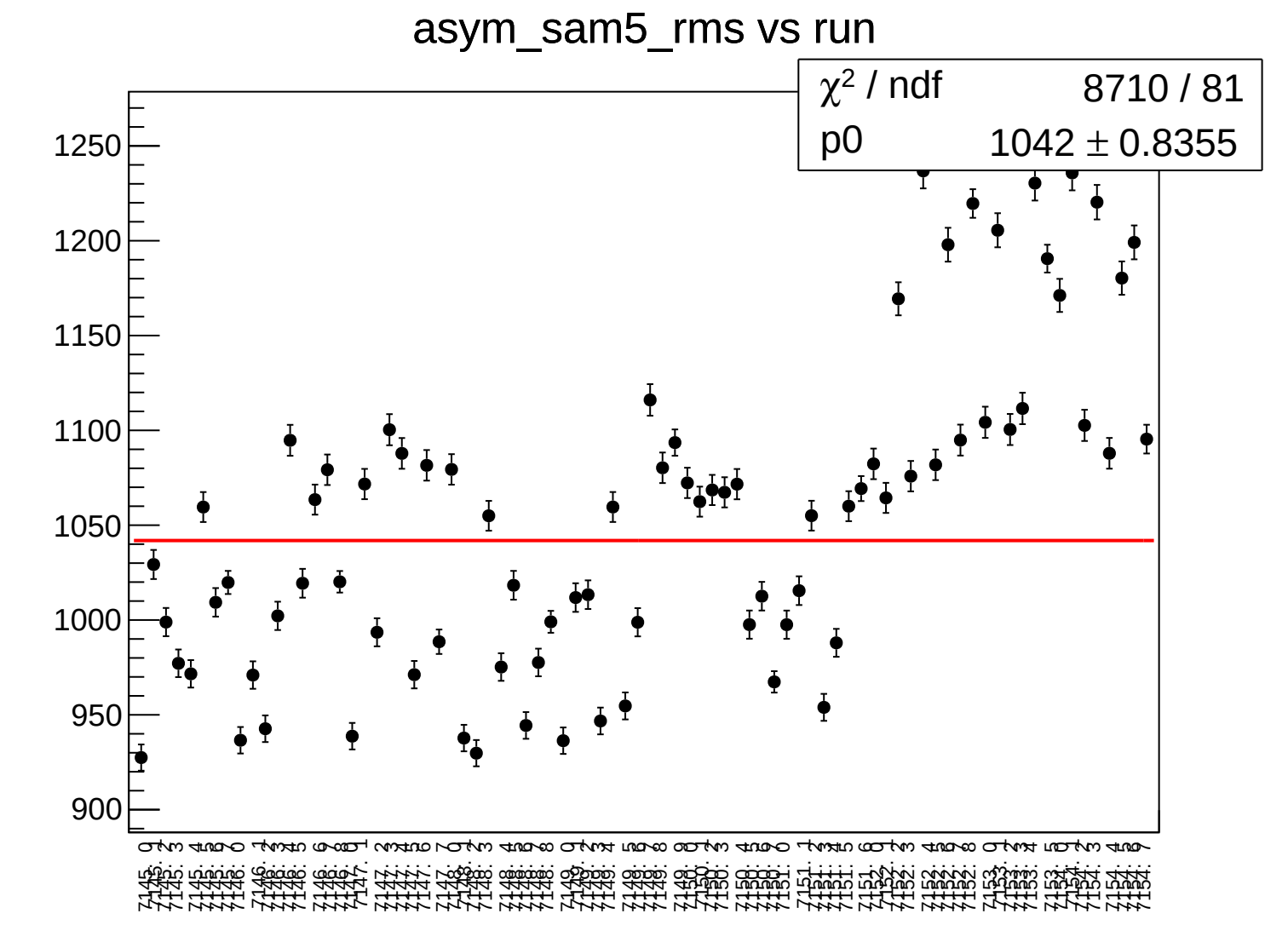

asym_sam5_correction_mean vs run
χ² / ndf 78.8 / 81
p0 −937 ± 1199
pull
Entries 82
Mean −732.2
Std Dev 724.8

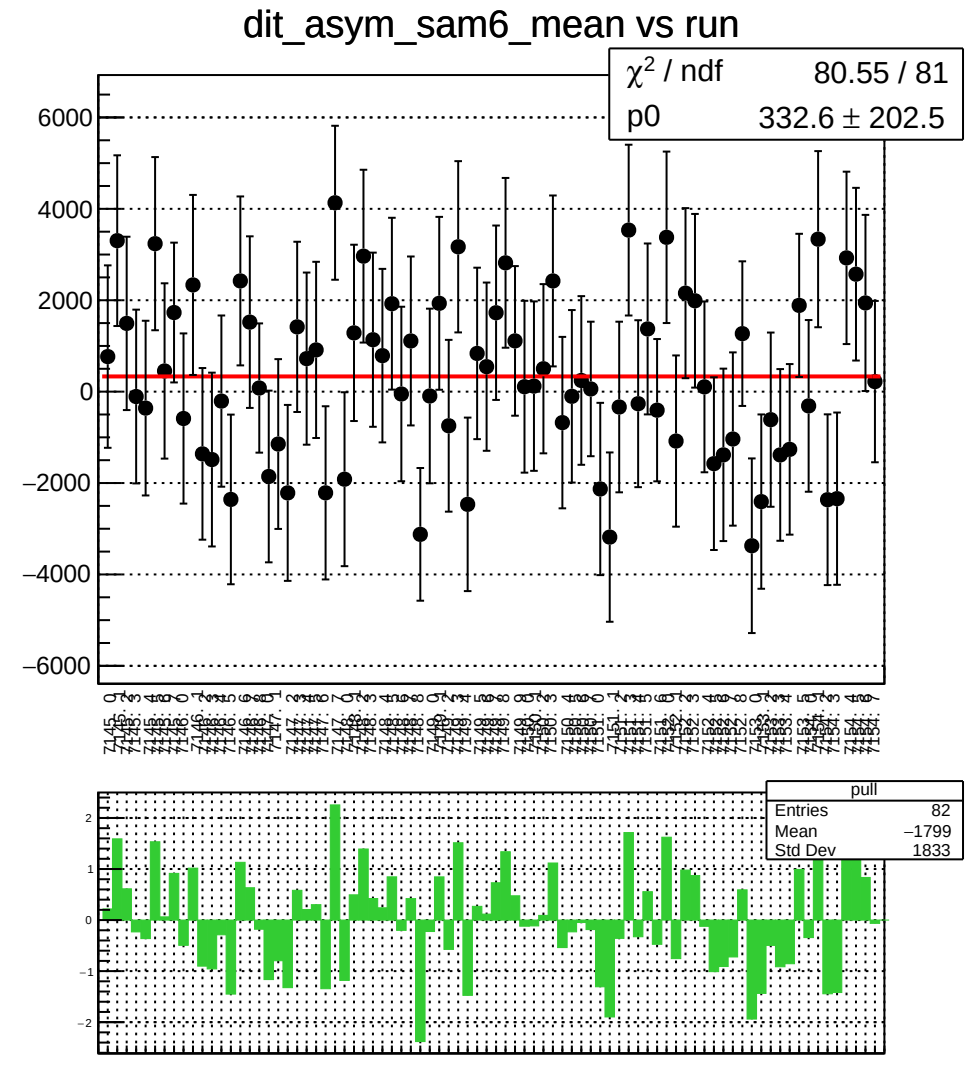

pull1D
Entries 82
Mean 0.001384
Std Dev 0.9803

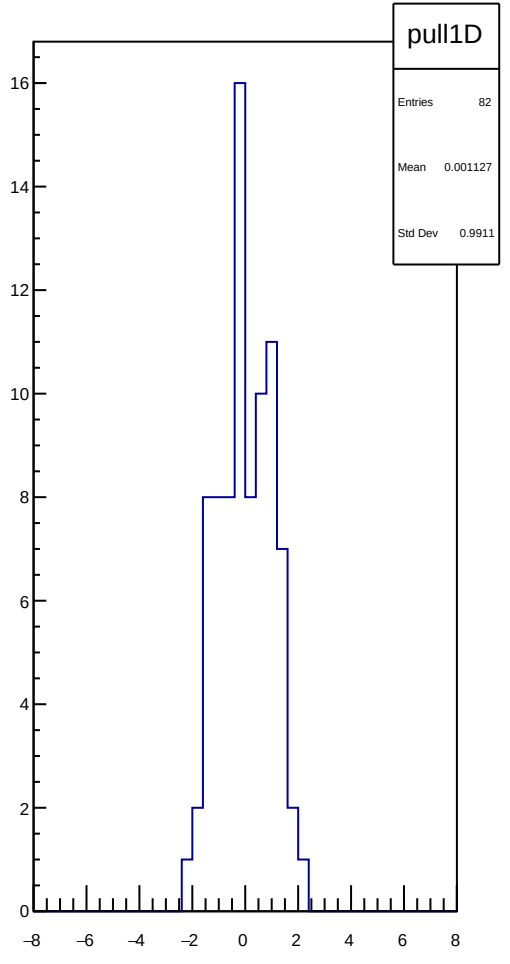

asym_sam5_correction_rms vs run
χ² / ndf 8329 / 81
p0 1057 ± 0.8475
1300
1250
1200
1150
1100
1050
1000
950
900

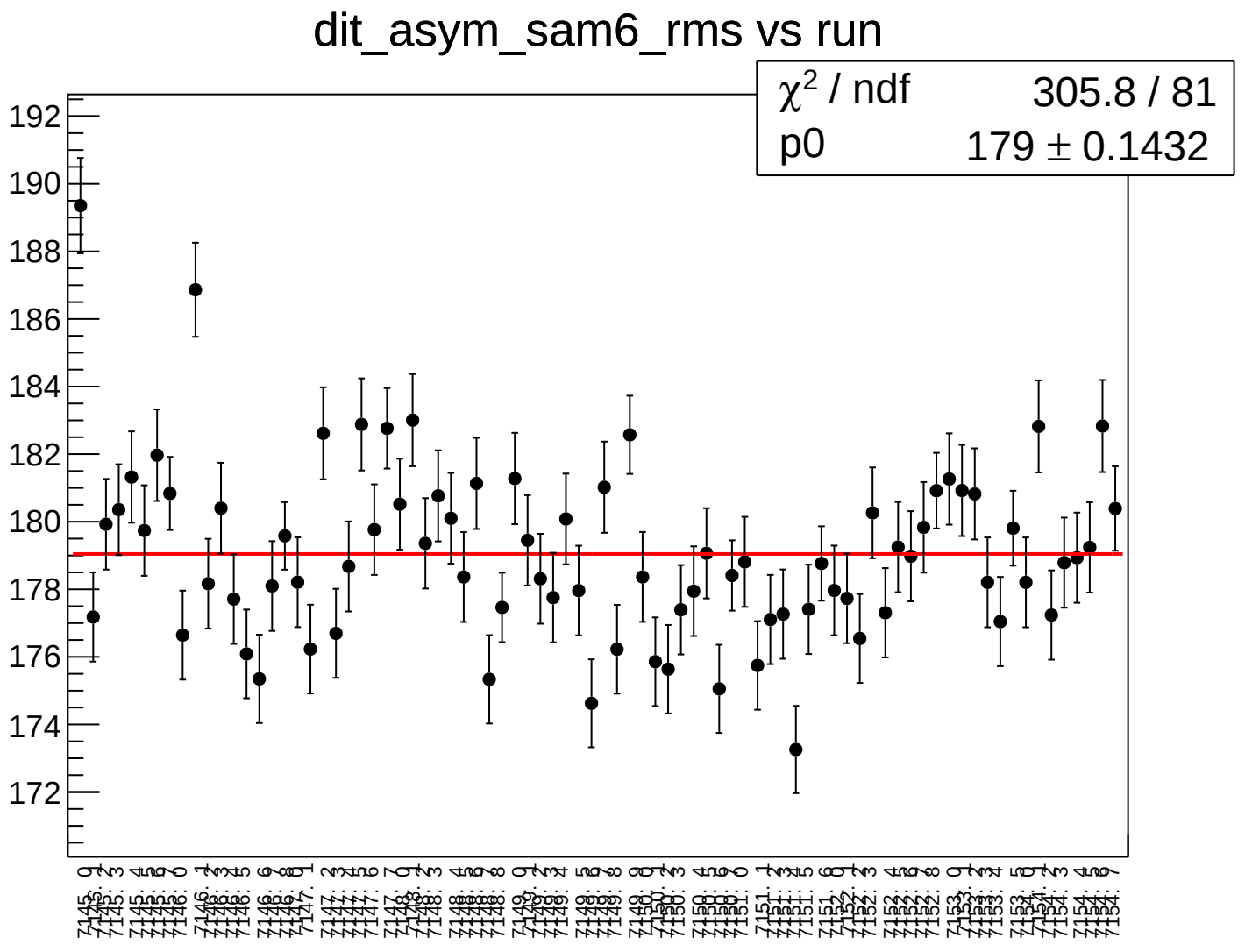

asym_sam5_mean vs run
χ² / ndf 79.41 / 81
p0 968.6 ± 1182
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean −519.7
Std Dev 502.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

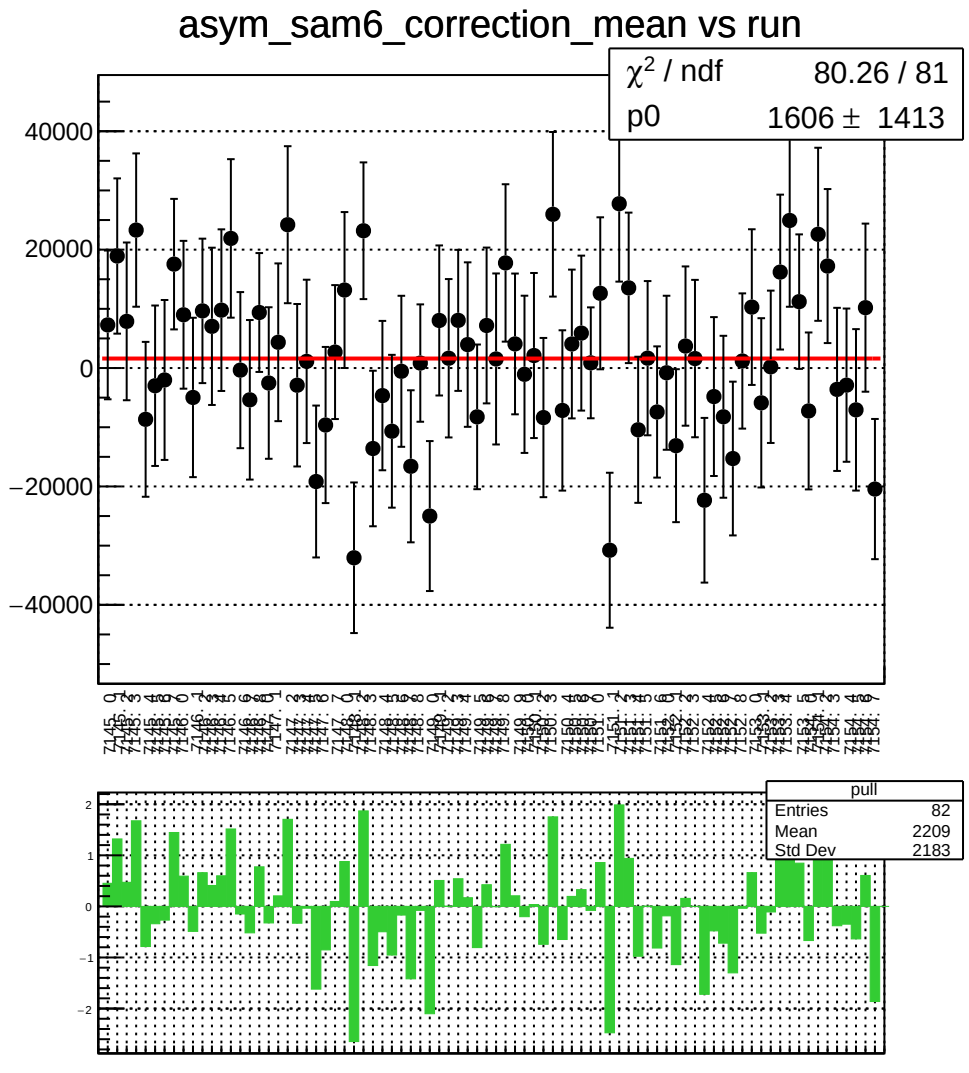

pull1D
Entries 82
Mean −0.001524
Std Dev 0.9841
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

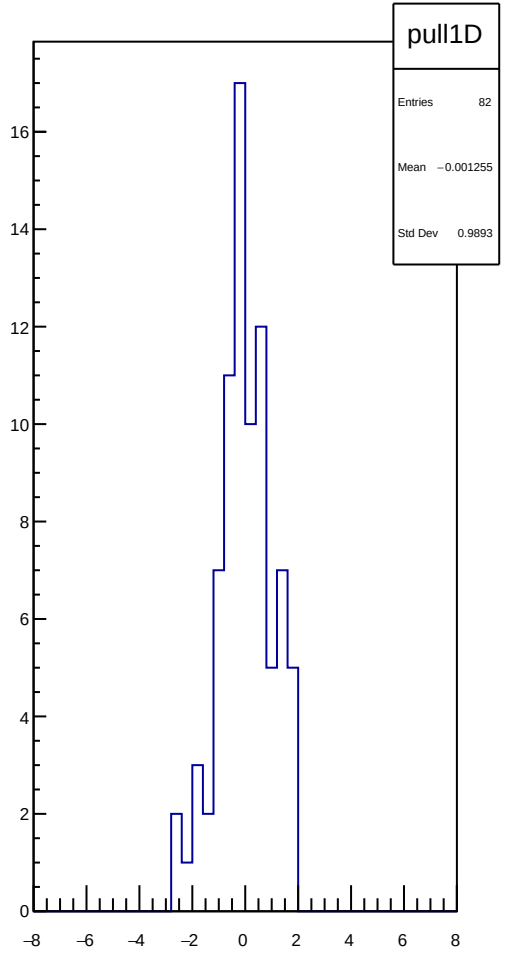

asym_sam5_rms vs run
χ² / ndf 8710 / 81
p0 1042 ± 0.8355
1250
1200
1150
1100
1050
1000
950
900

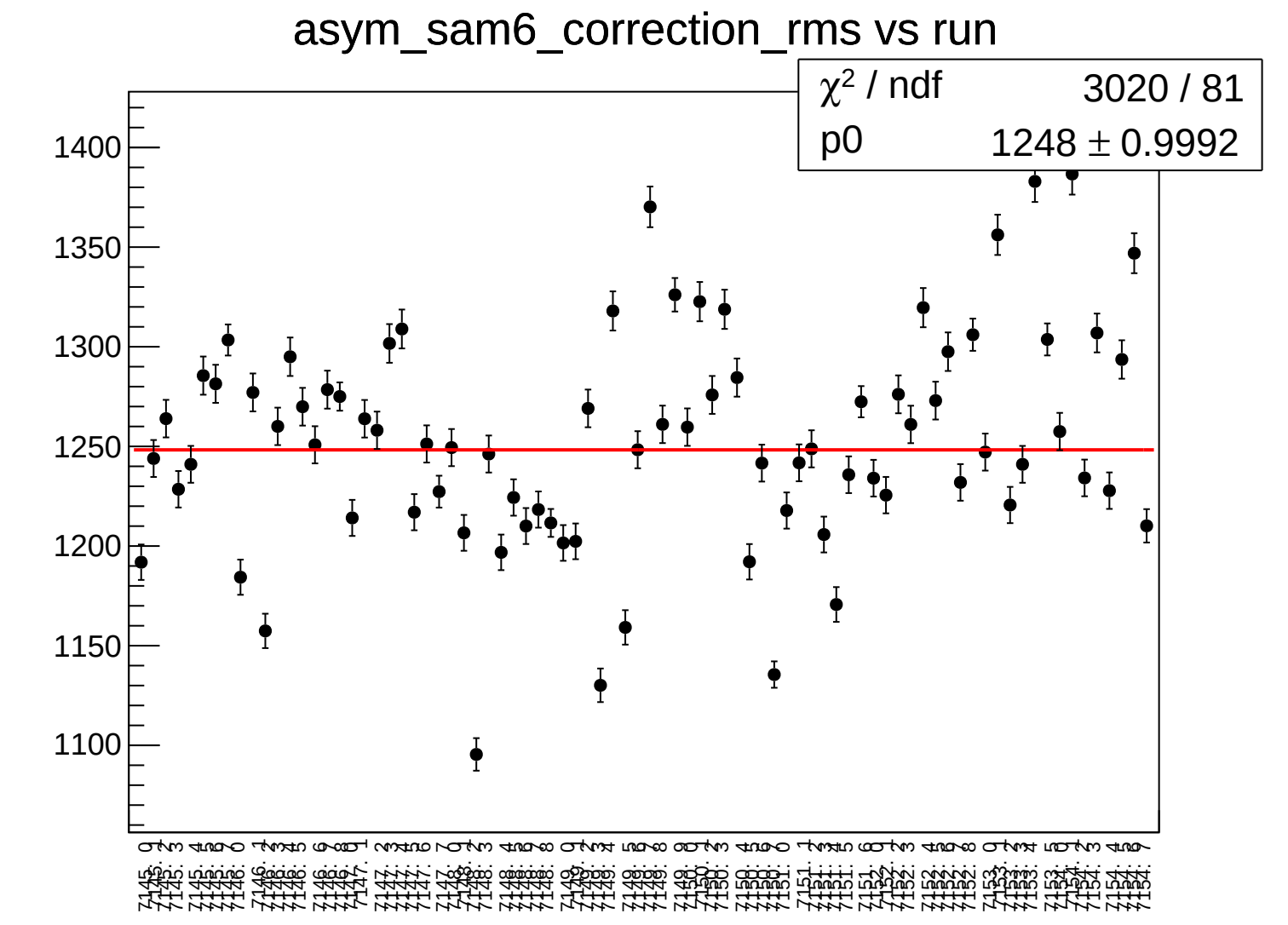

dit_asym_sam6_mean vs run
χ² / ndf 80.55 / 81
p0 332.6 ± 202.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean −1799
Std Dev 1833
2
1
0
−1
−2

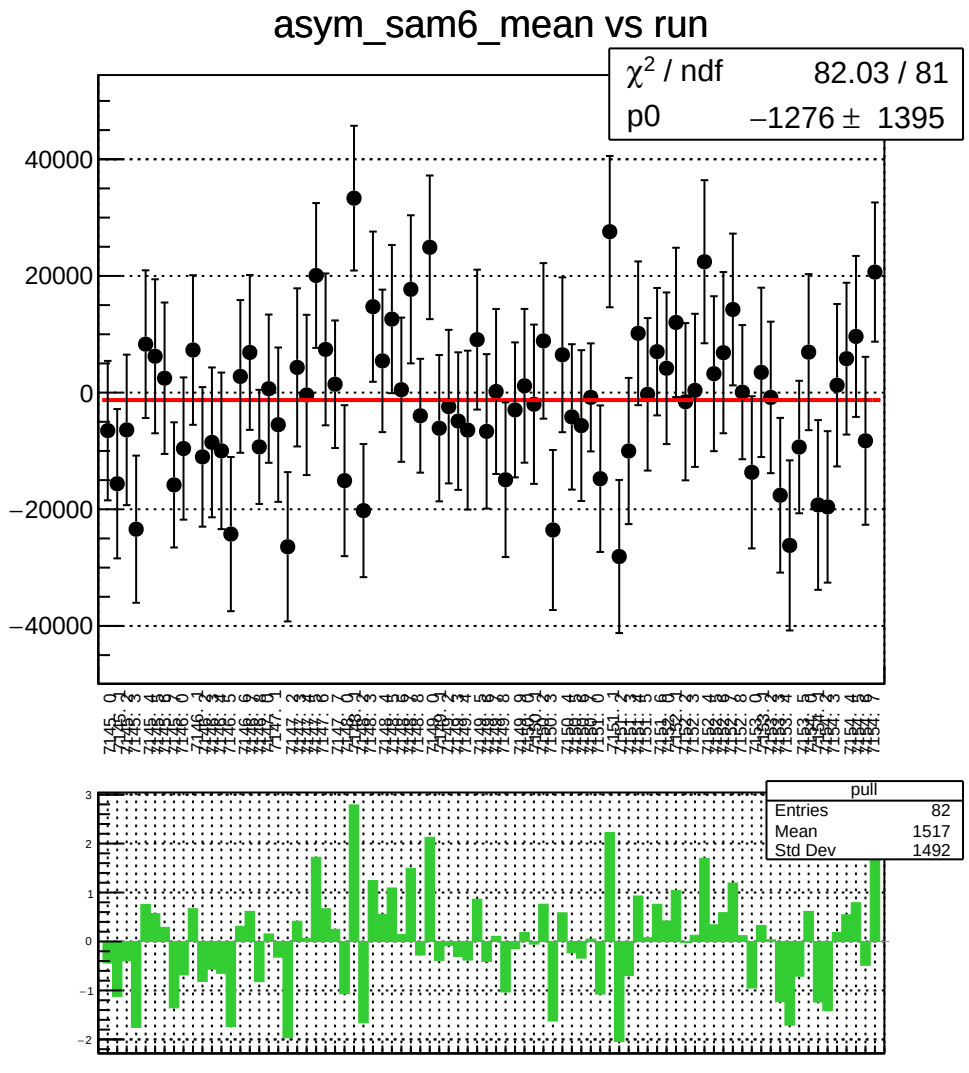

pull1D
Entries 82
Mean 0.001127
Std Dev 0.9911
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

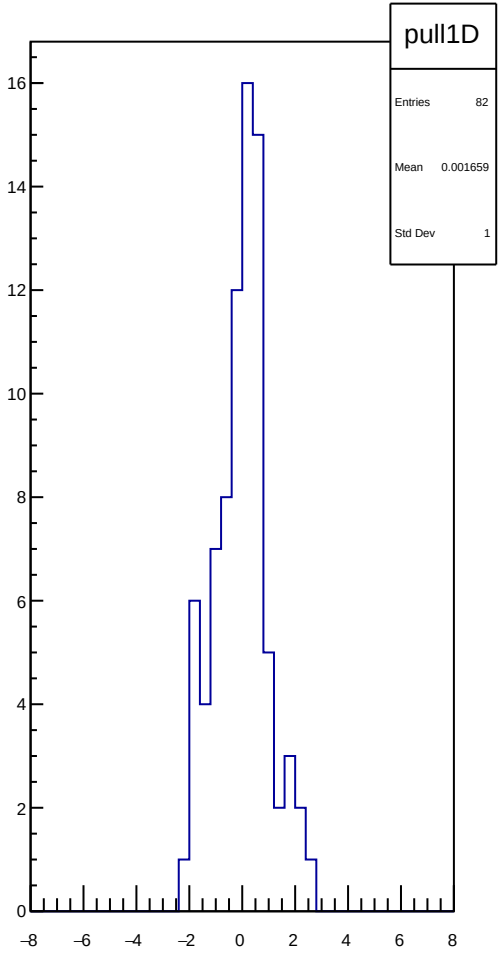

dit_asym_sam6_rms vs run
χ² / ndf 305.8 / 81
p0 179 ± 0.1432
192
190
188
186
184
182
180
178
176
174
172

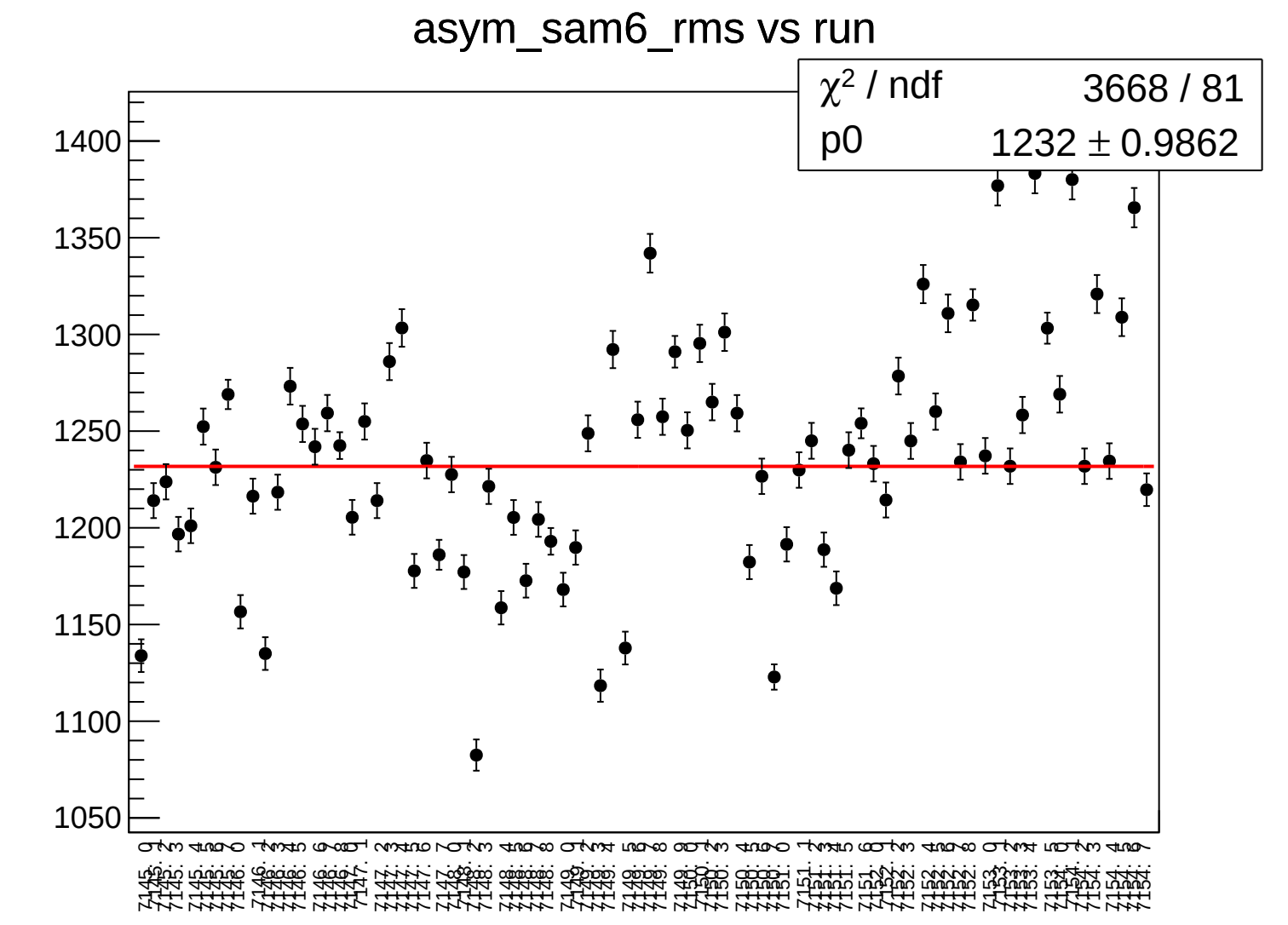

asym_sam6_correction_mean vs run
χ² / ndf 80.26 / 81
p0 1606 ± 1413
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 2209
Std Dev 2183
2
1
0
−1
−2

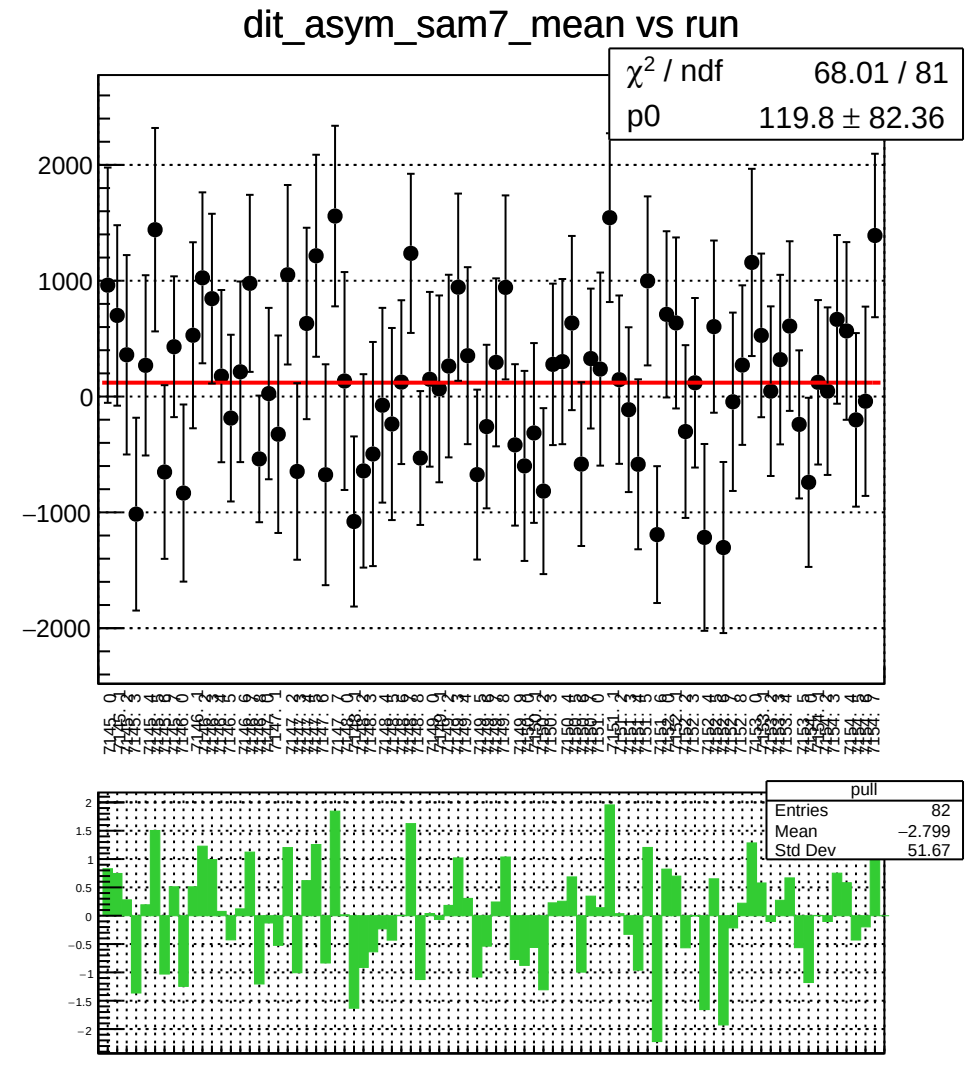

pull1D
Entries 82
Mean −0.001255
Std Dev 0.9893
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

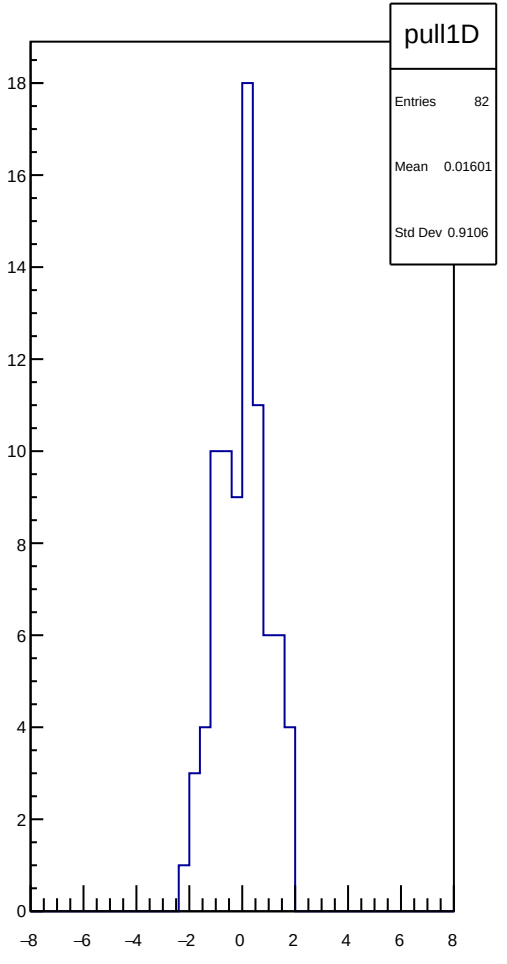

asym_sam6_correction_rms vs run
χ² / ndf 3020 / 81
p0 1248 ± 0.9992
1400
1350
1300
1250
1200
1150
1100

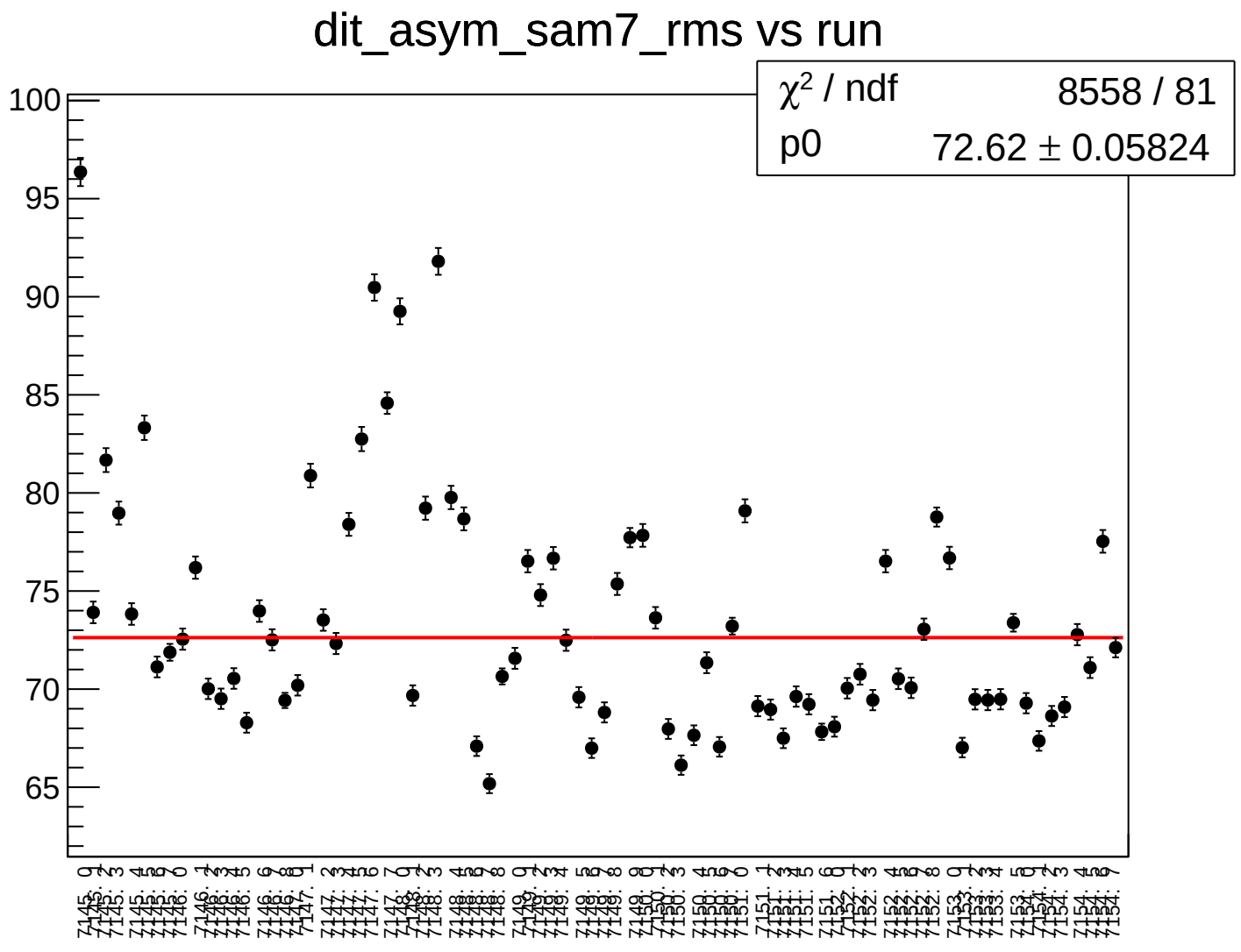

asym_sam6_mean vs run
χ² / ndf 82.03 / 81
p0 −1276 ± 1395
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 1517
Std Dev 1492
3
2
1
0
−1
−2

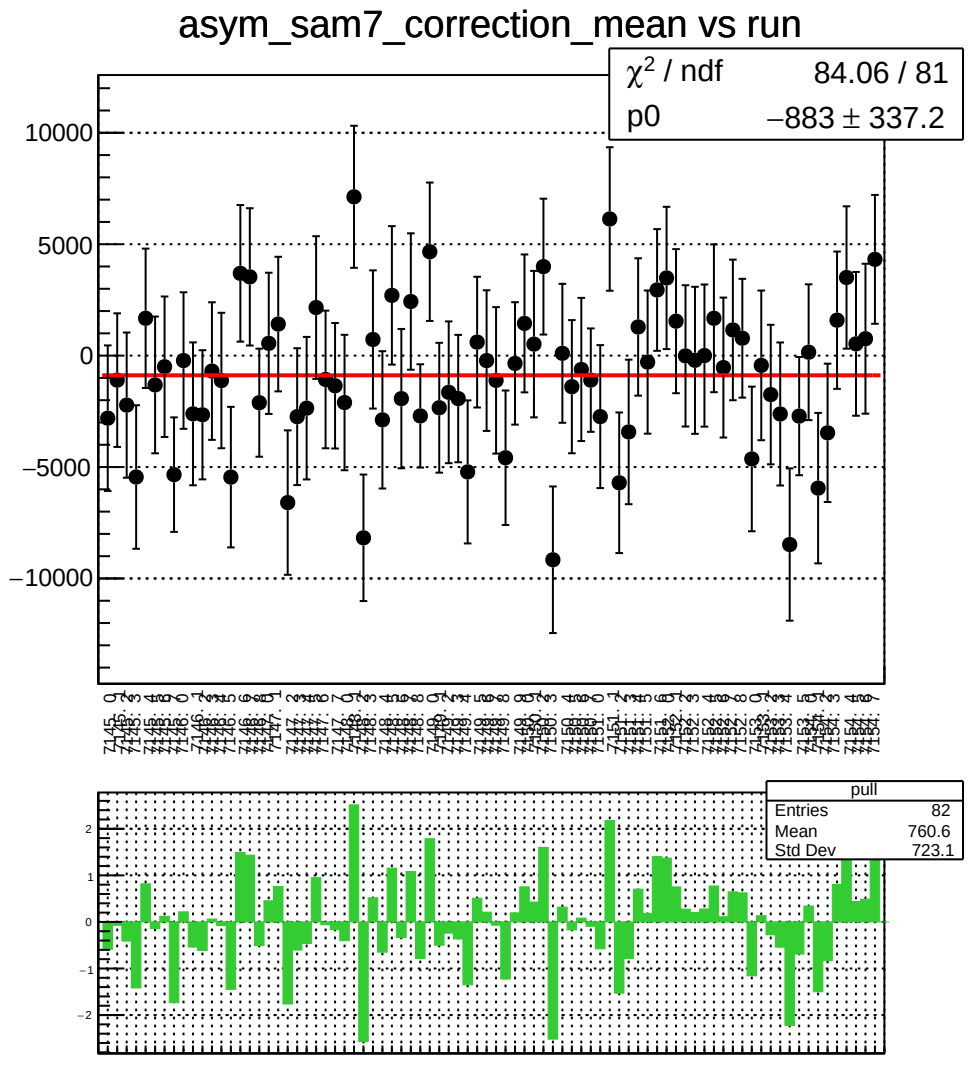

pull1D
Entries 82
Mean 0.001659
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

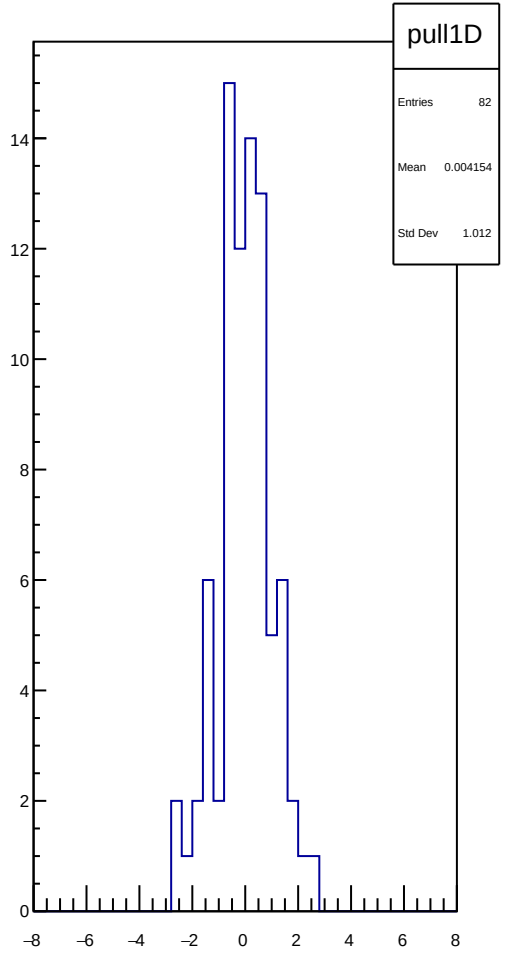

asym_sam6_rms vs run
χ² / ndf 3668 / 81
p0 1232 ± 0.9862
1400
1350
1300
1250
1200
1150
1100
1050

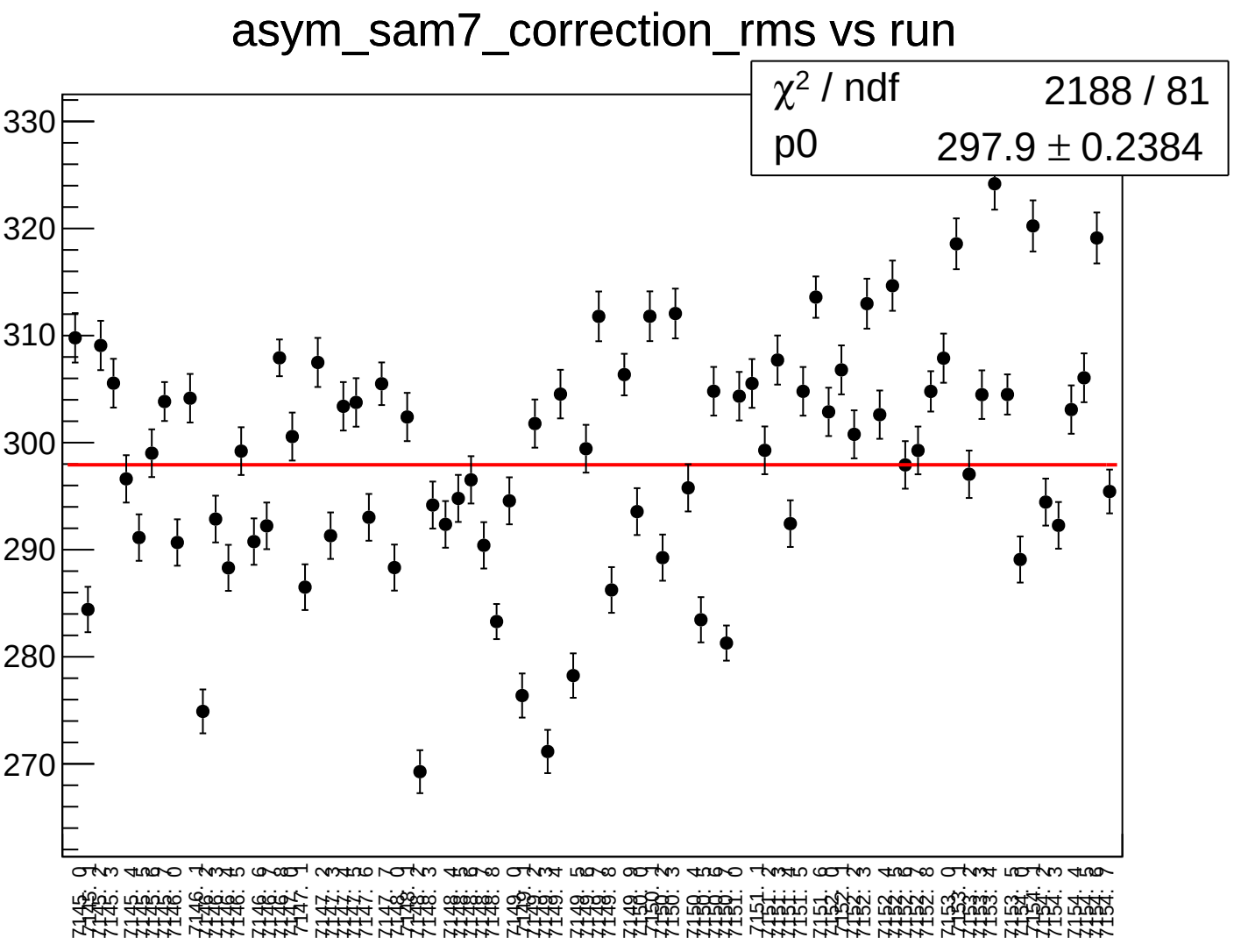

dit_asym_sam7_mean vs run
χ² / ndf 68.01 / 81
p0 119.8 ± 82.36
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −2.799
Std Dev 51.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

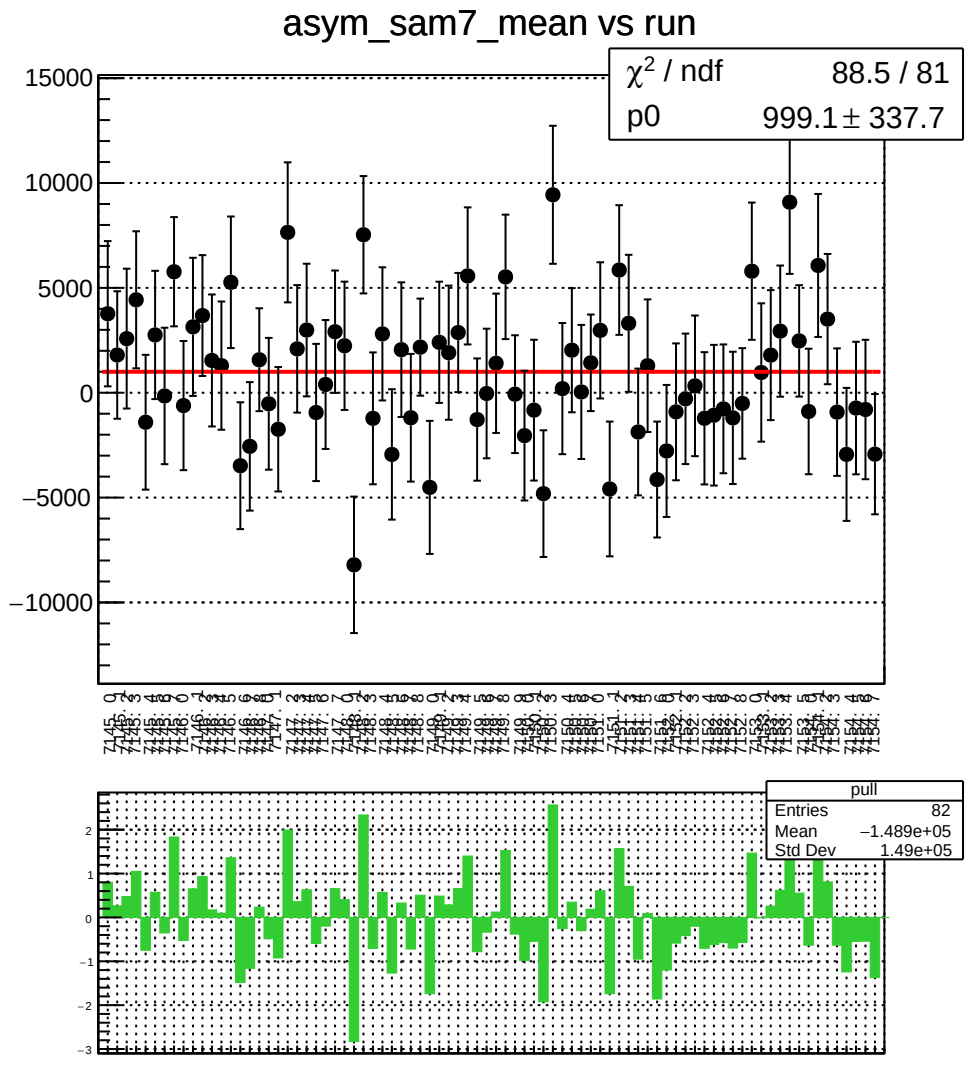

pull1D
Entries 82
Mean 0.01601
Std Dev 0.9106
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

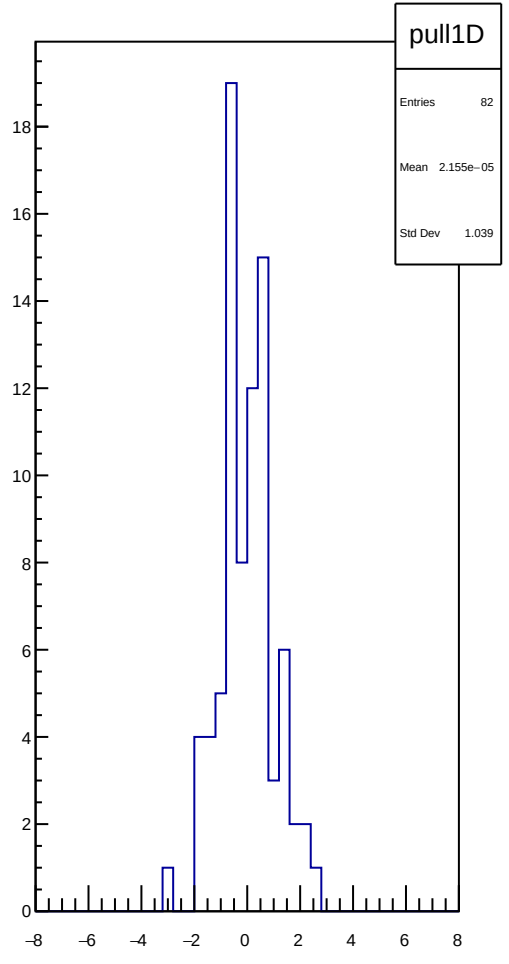

dit_asym_sam7_rms vs run
χ^2 / ndf 8558 / 81
p0 72.62 ± 0.05824
100
95
90
85
80
75
70
65

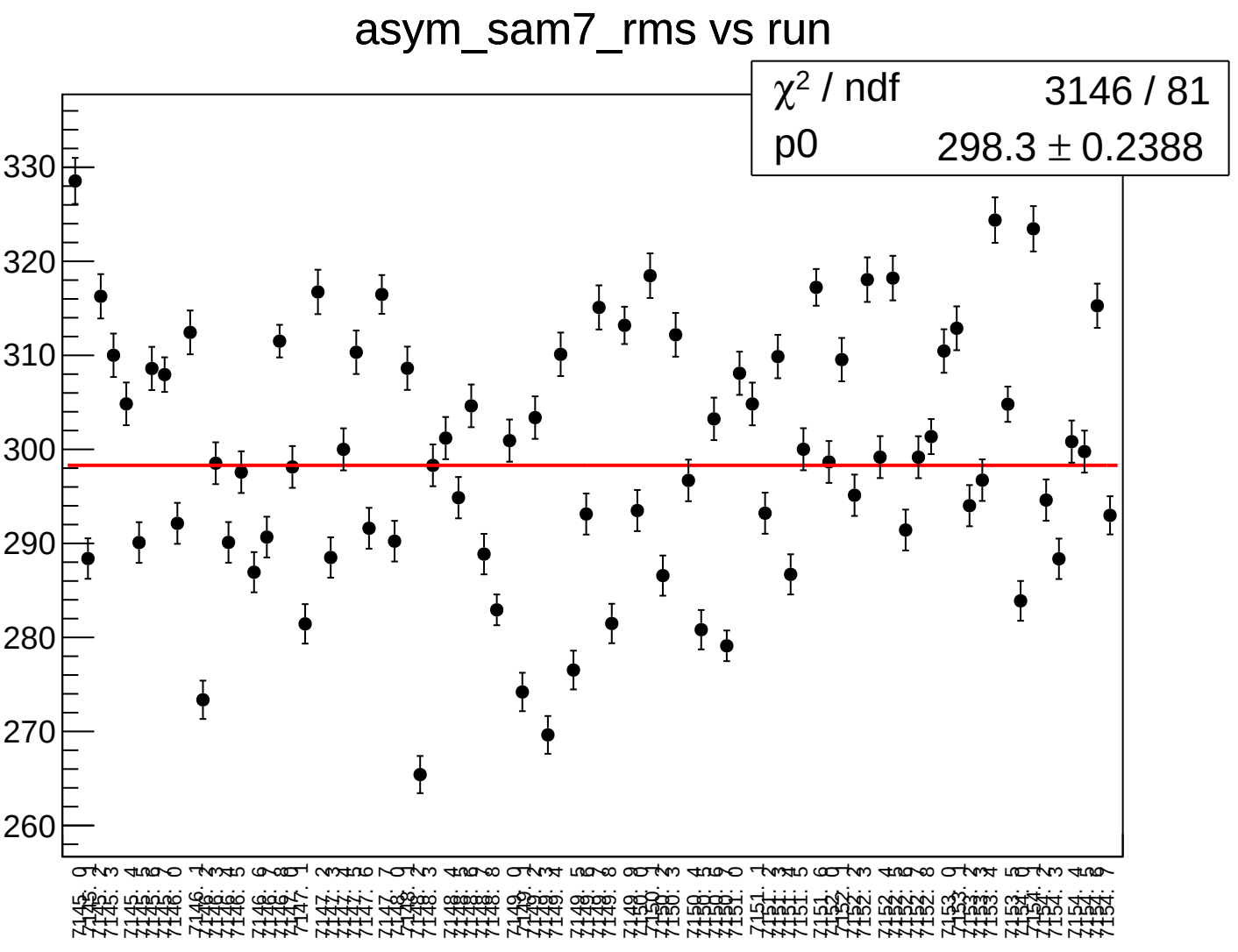

asym_sam7_correction_mean vs run
χ² / ndf 84.06 / 81
p0 −883 ± 337.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 760.6
Std Dev 723.1
2
1
0
−1
−2

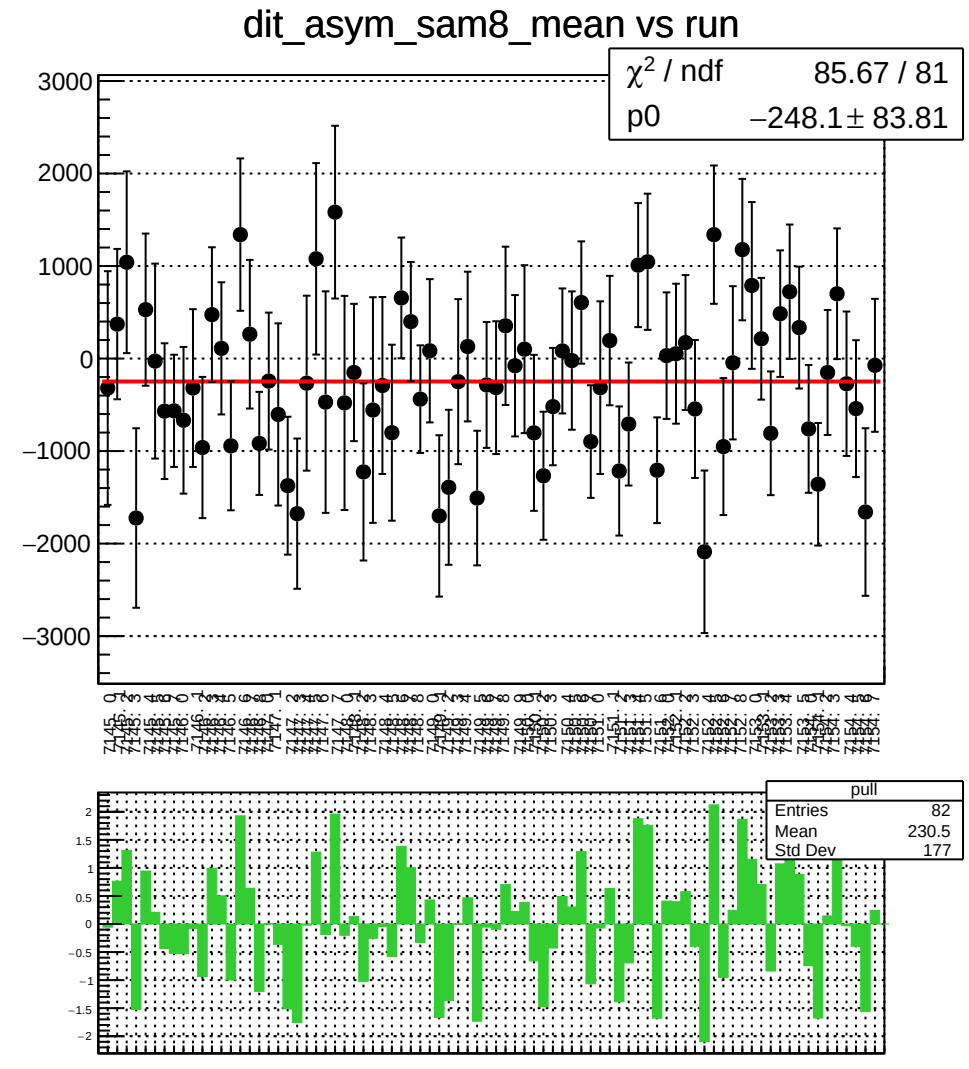

pull1D
Entries 82
Mean 0.004154
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

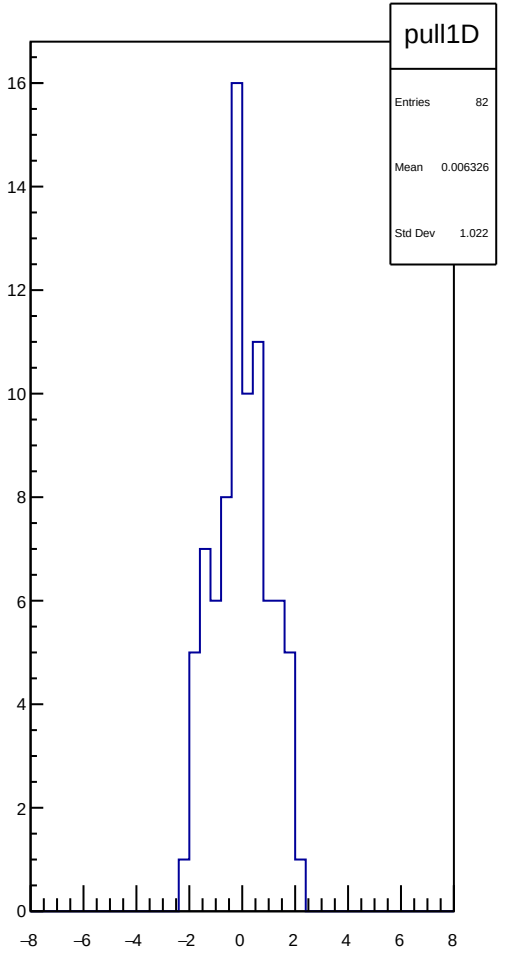

asym_sam7_correction_rms vs run
χ² / ndf 2188 / 81
p0 297.9 ± 0.2384
330
320
310
300
290
280
270

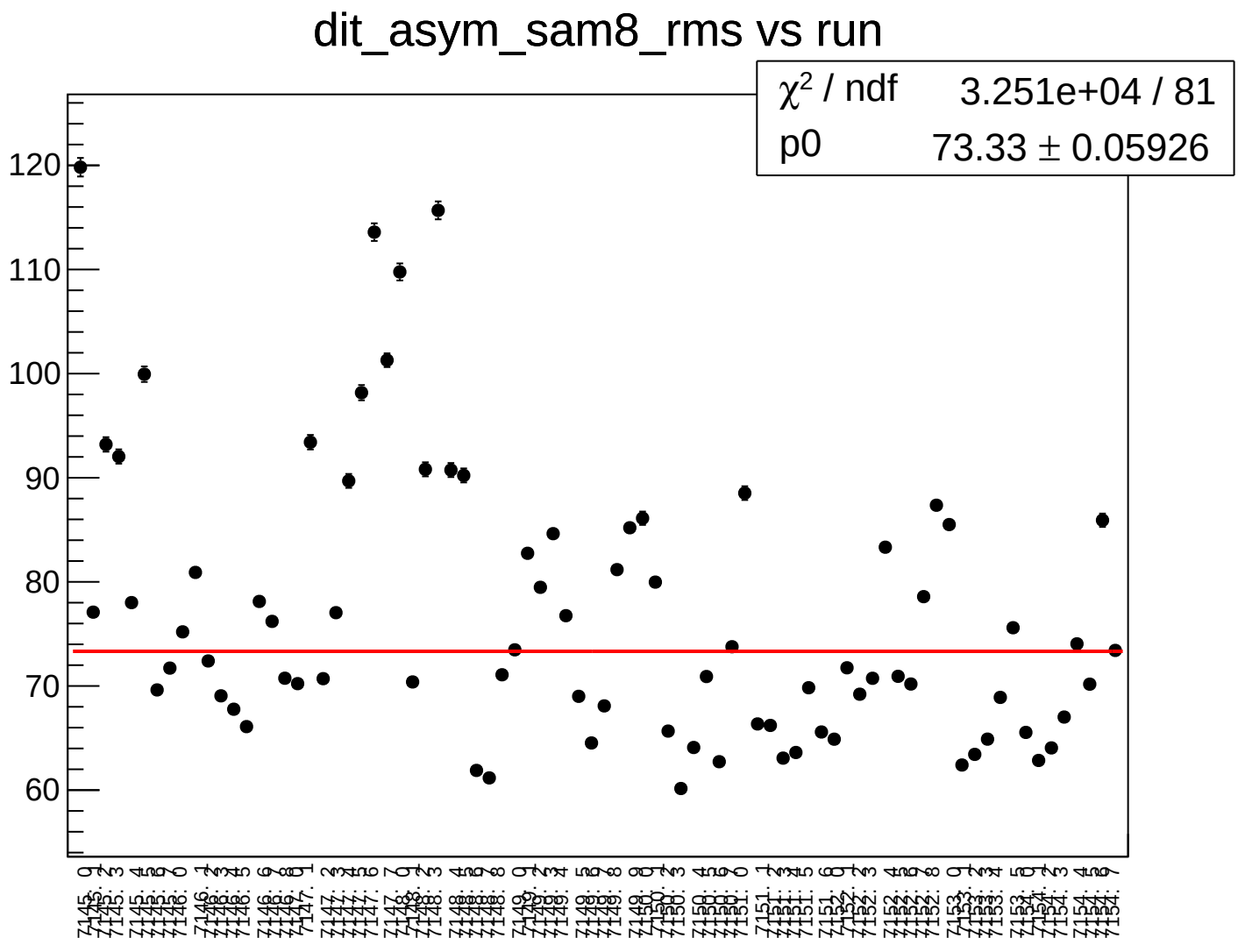

asym_sam7_mean vs run
χ² / ndf 88.5 / 81
p0 999.1 ± 337.7
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1.489e+05
Std Dev 1.49e+05
2
1
0
−1
−2
−3

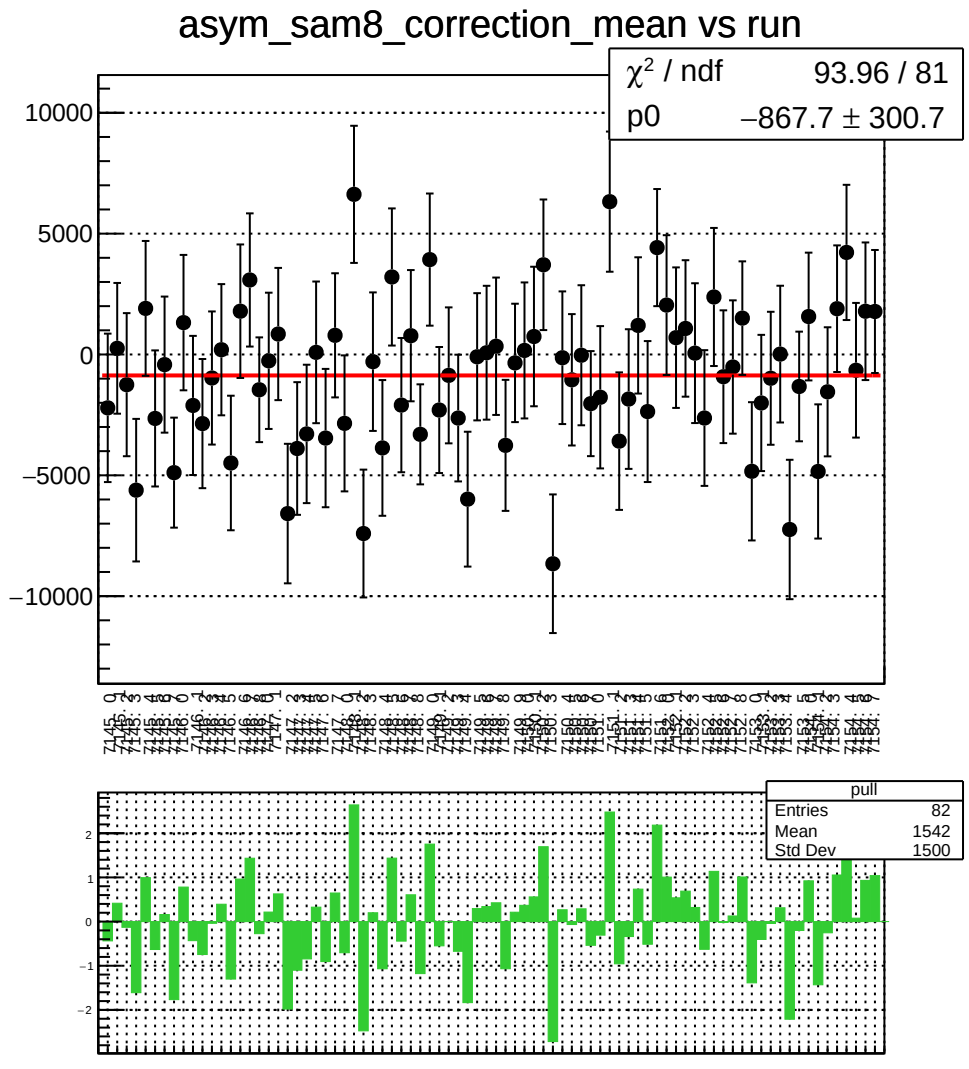

pull1D
Entries 82
Mean 2.155e−05
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

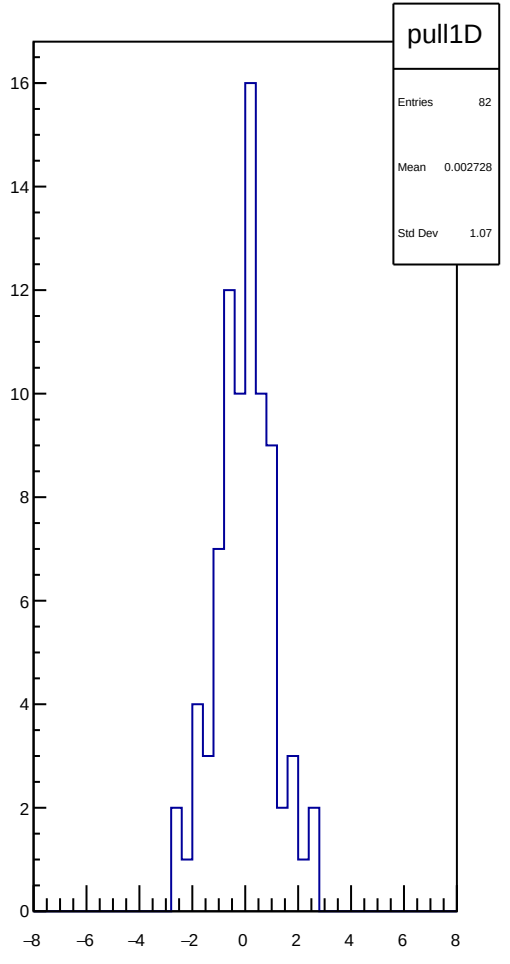

asym_sam7_rms vs run
χ² / ndf 3146 / 81
p0 298.3 ± 0.2388
330
320
310
300
290
280
270
260

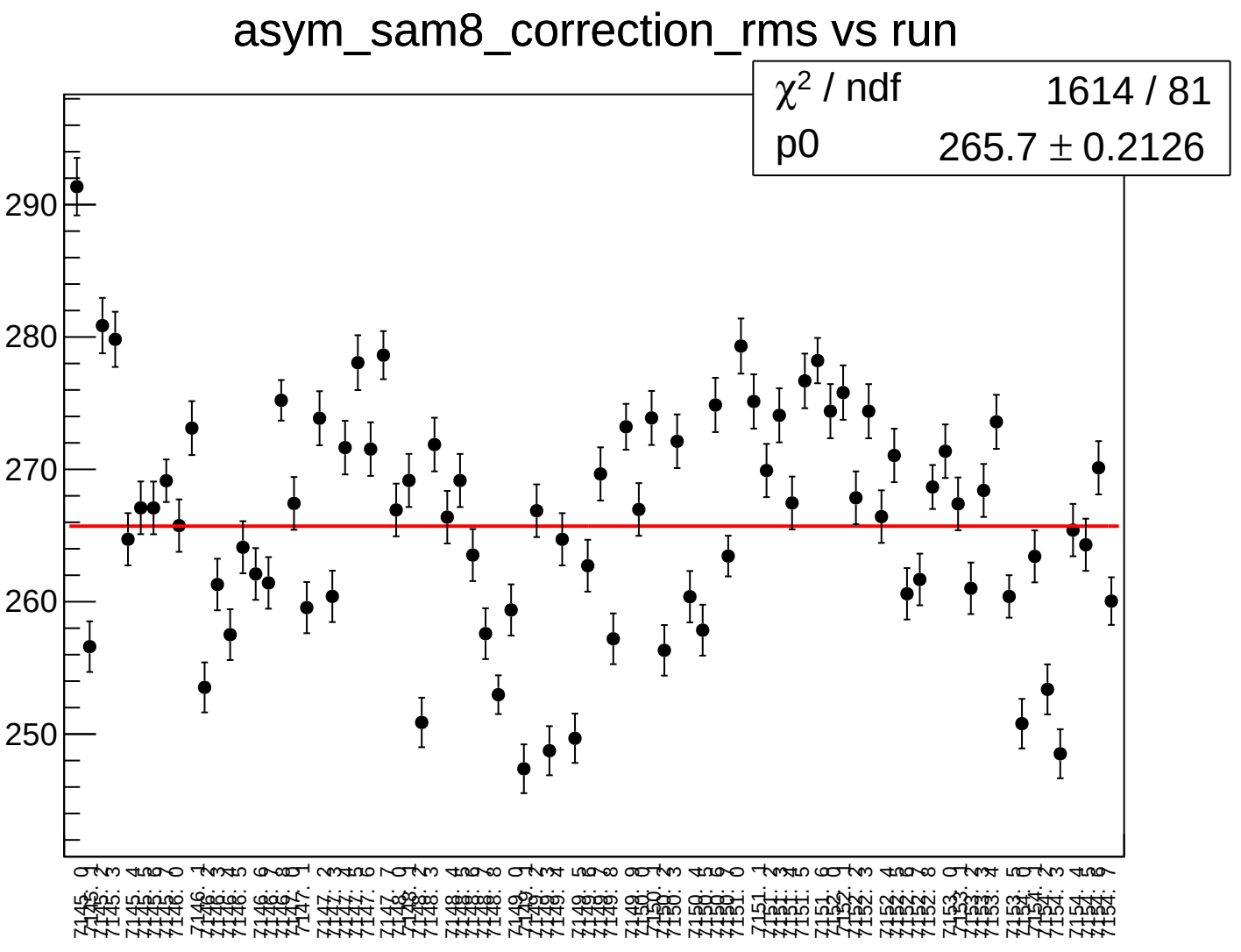

dit_asym_sam8_mean vs run
χ² / ndf 85.67 / 81
p0 −248.1 ± 83.81
pull
Entries 82
Mean 230.5
Std Dev 177

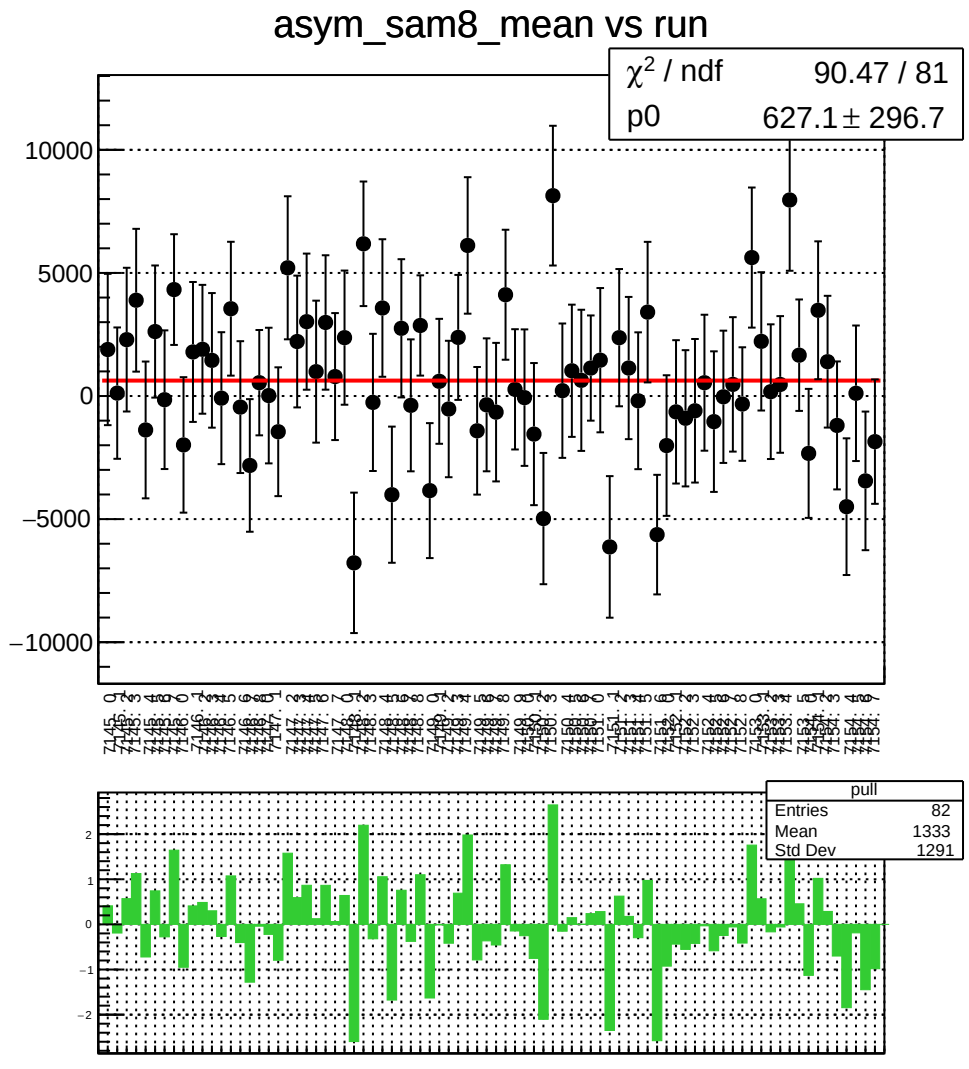

pull1D
Entries 82
Mean 0.006326
Std Dev 1.022

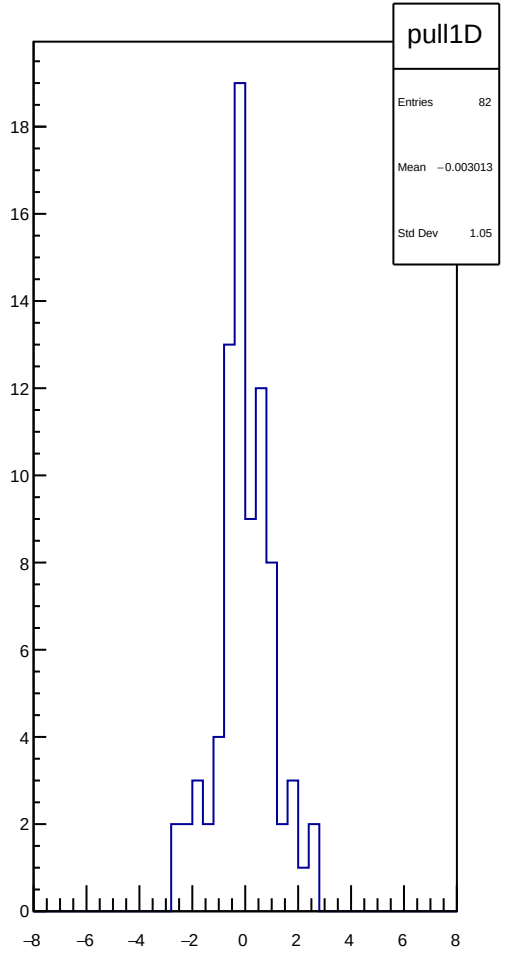

dit_asym_sam8_rms vs run
χ^2 / ndf 3.251e+04 / 81
p0 73.33 ± 0.05926
120
110
100
90
80
70
60

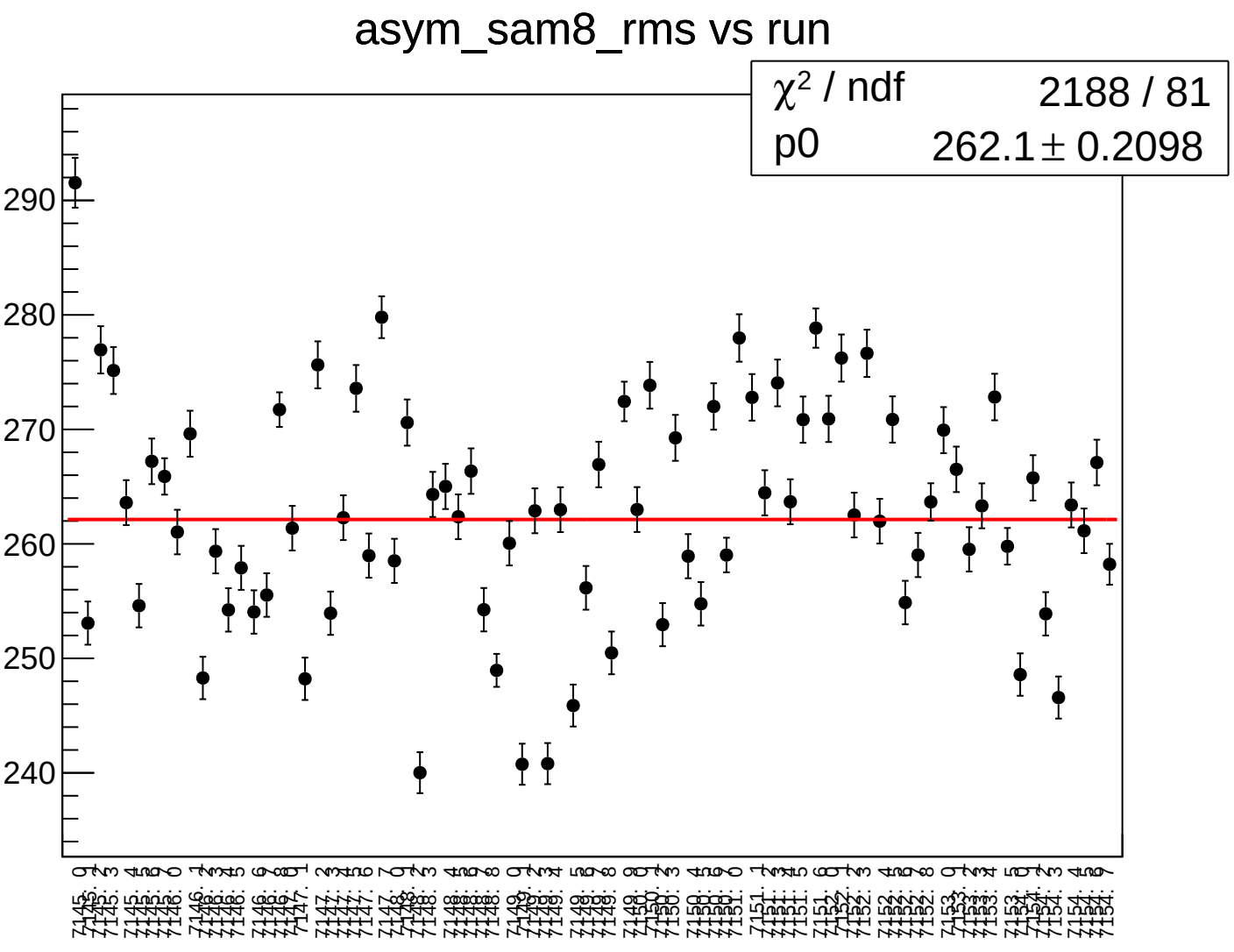

asym_sam8_correction_mean vs run
χ² / ndf 93.96 / 81
p0 −867.7 ± 300.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1542
Std Dev 1500
2
1
0
−1
−2

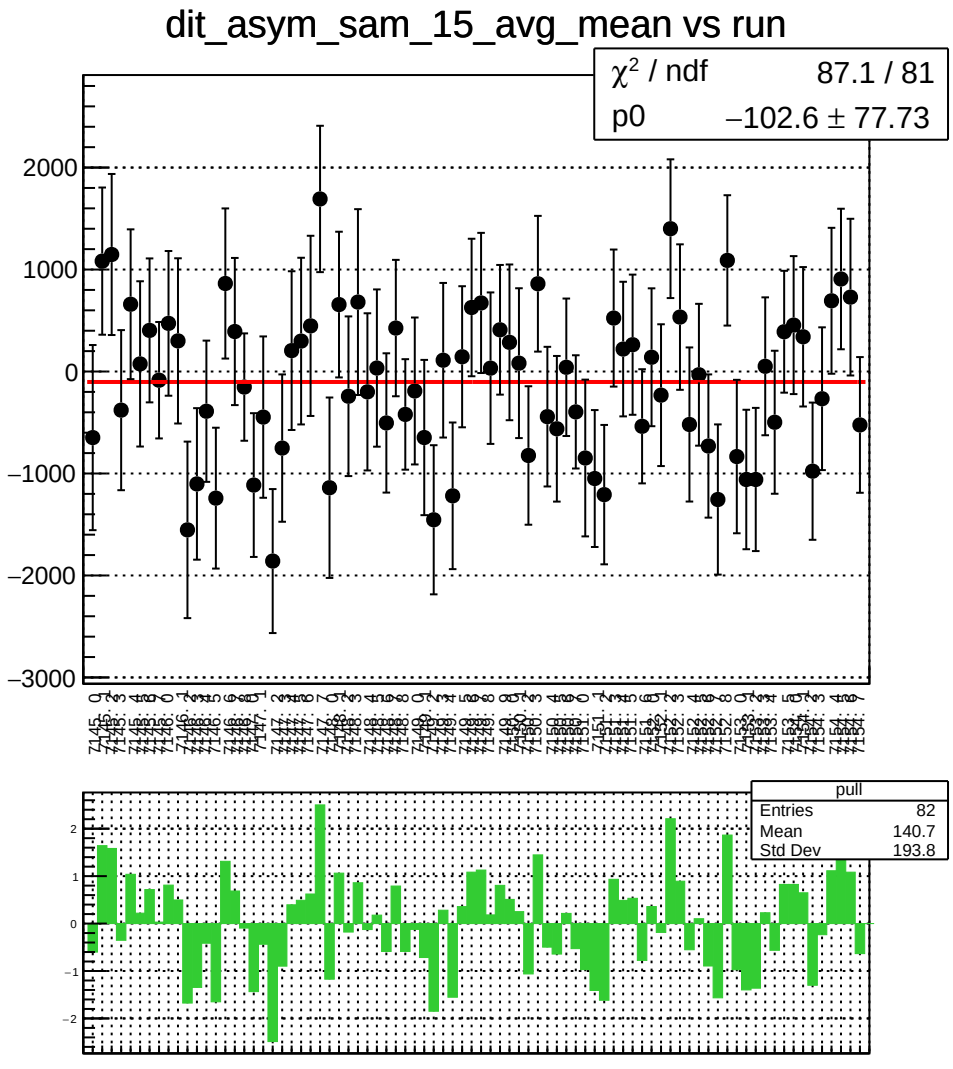

pull1D
Entries 82
Mean 0.002728
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

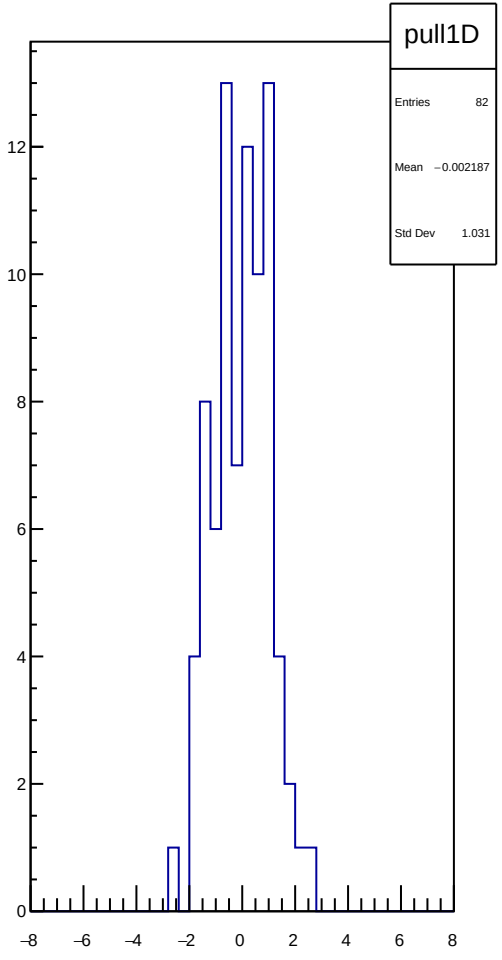

asym_sam8_correction_rms vs run
χ² / ndf 1614 / 81
p0 265.7 ± 0.2126
290
280
270
260
250

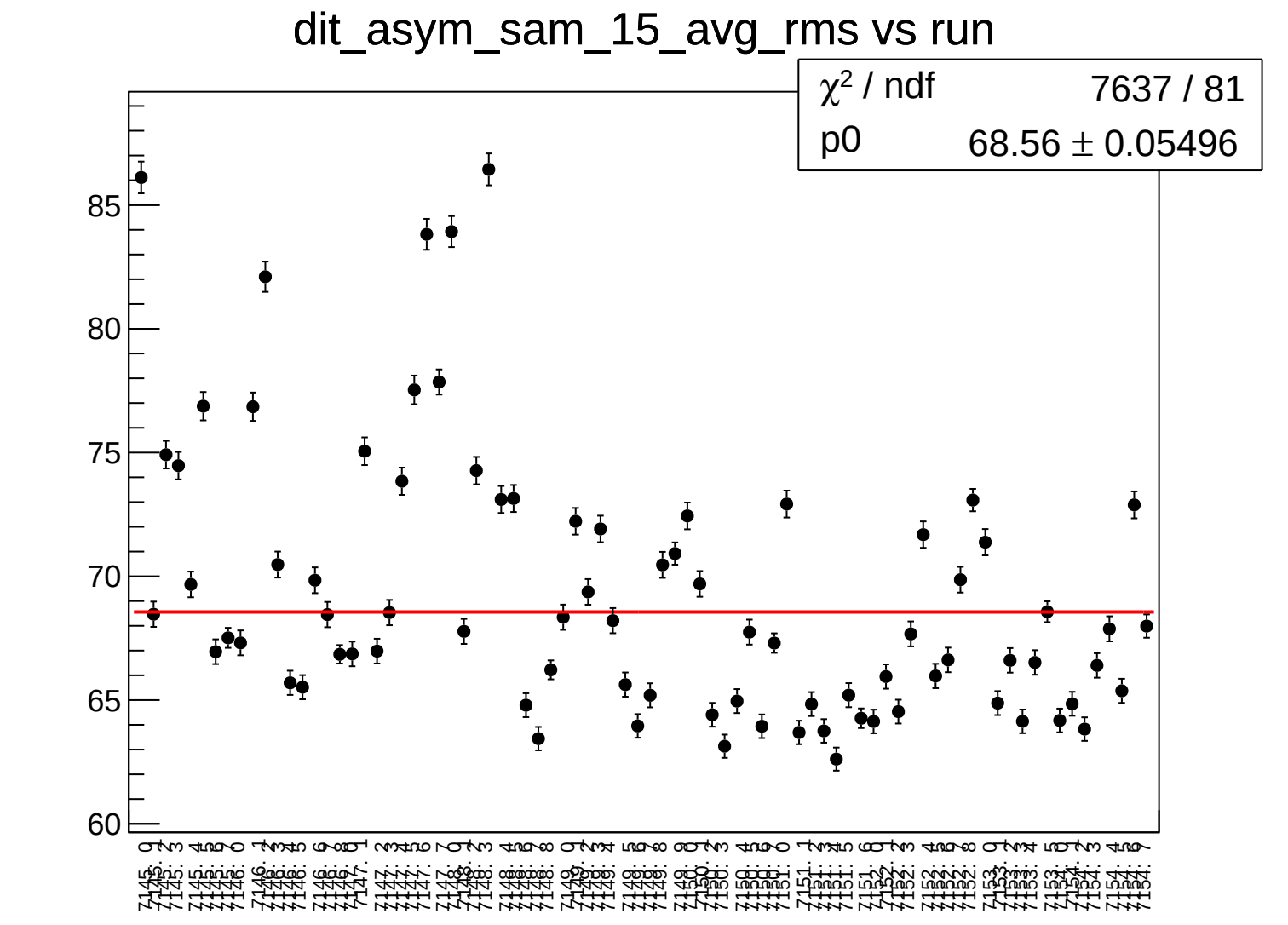

asym_sam8_mean vs run
χ² / ndf 90.47 / 81
p0 627.1 ± 296.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1333
Std Dev 1291
2
1
0
−1
−2

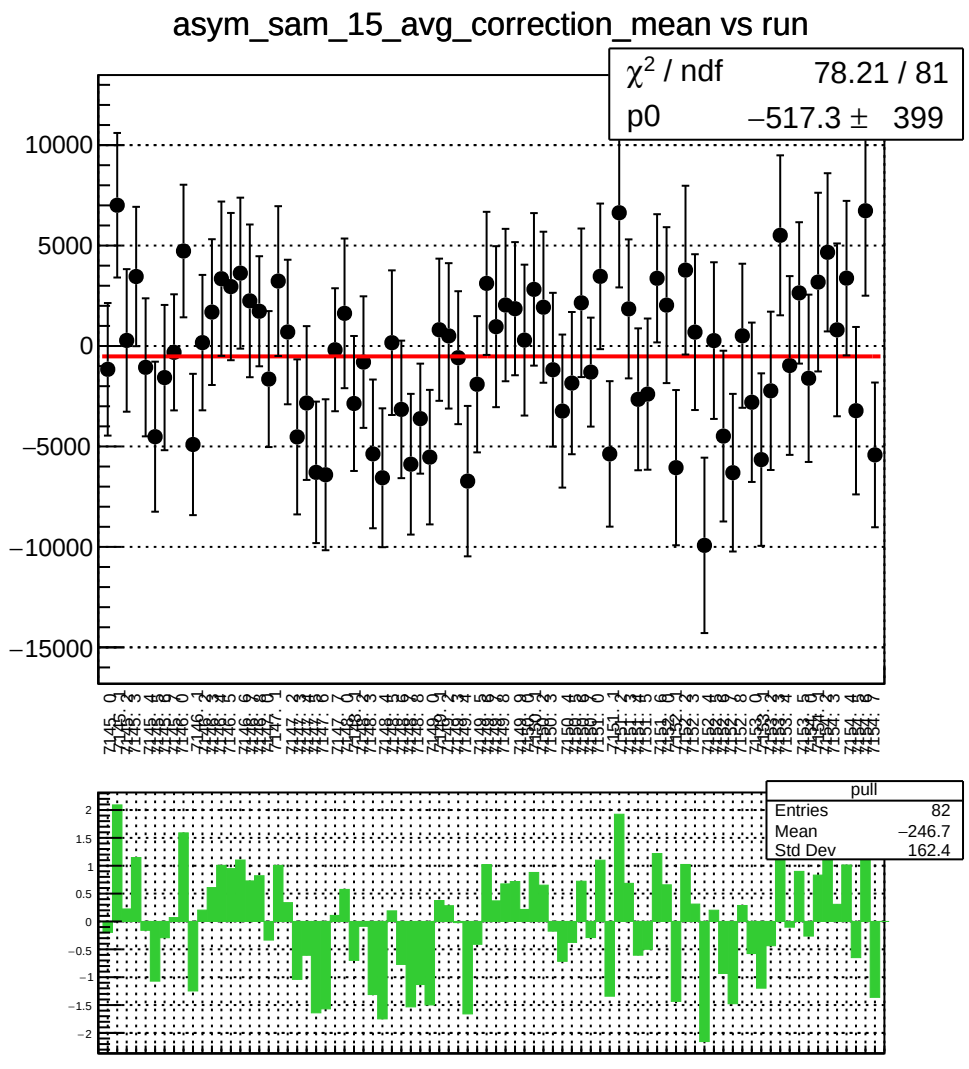

pull1D
Entries 82
Mean −0.003013
Std Dev 1.05
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

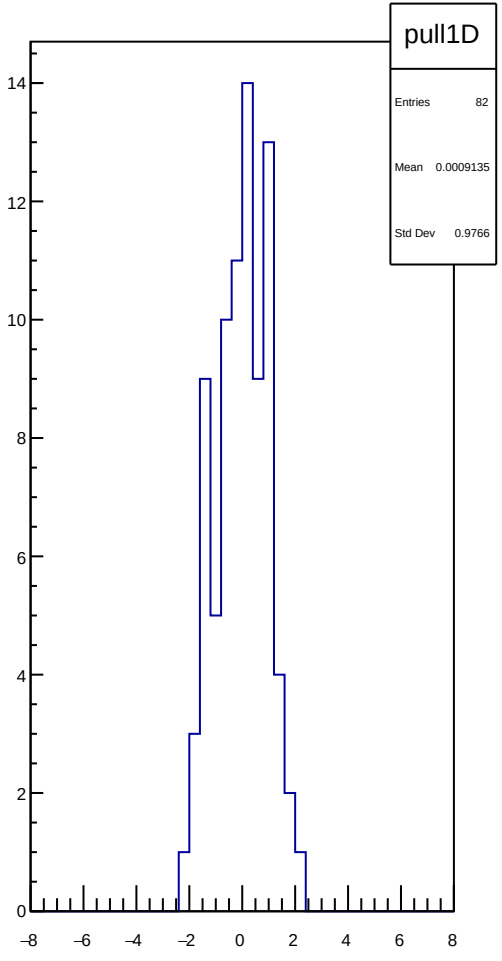

asym_sam8_rms vs run
χ² / ndf 2188 / 81
p0 262.1 ± 0.2098
290
280
270
260
250
240

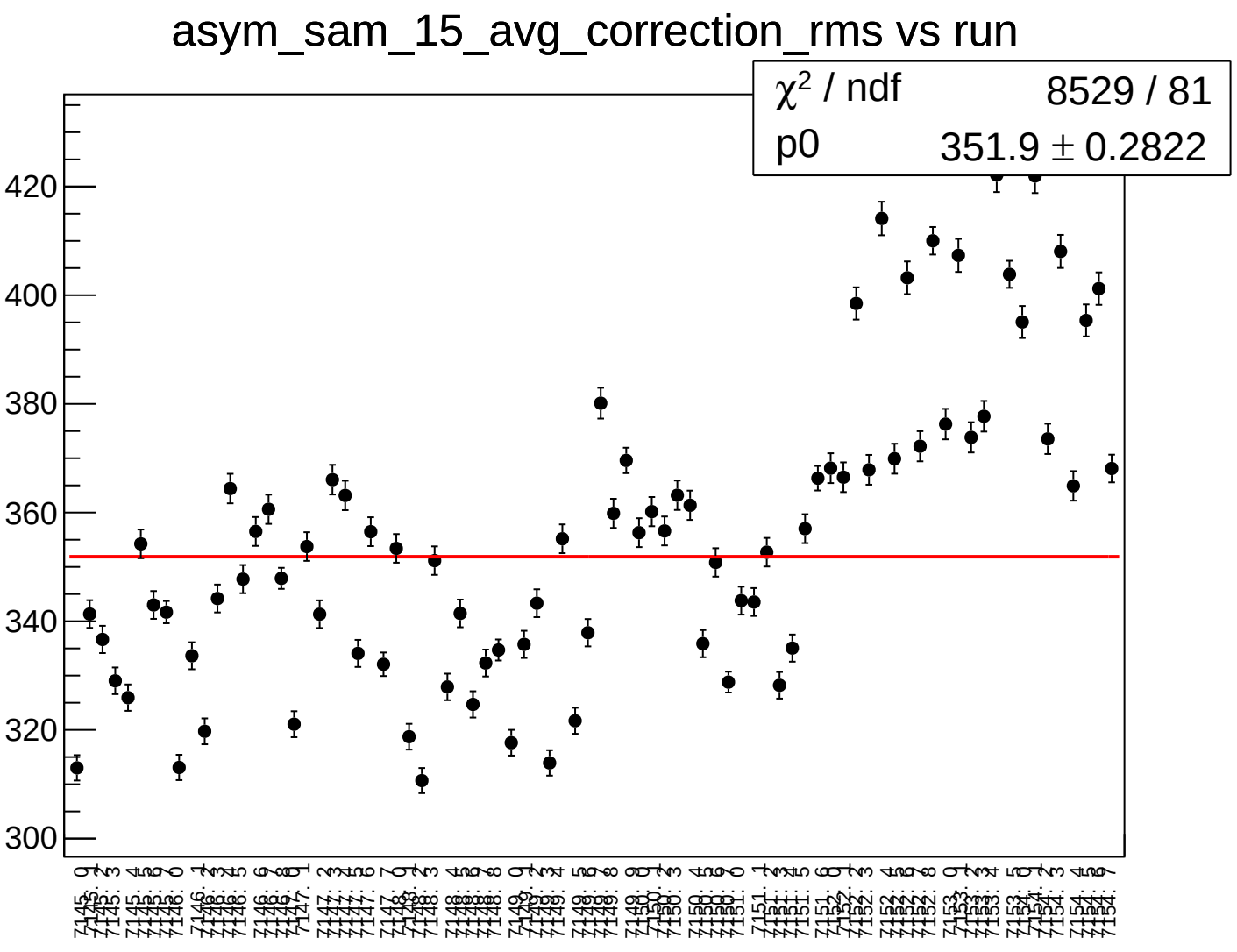

dit_asym_sam_15_avg_mean vs run
χ² / ndf 87.1 / 81
p0 −102.6 ± 77.73
pull
Entries 82
Mean 140.7
Std Dev 193.8

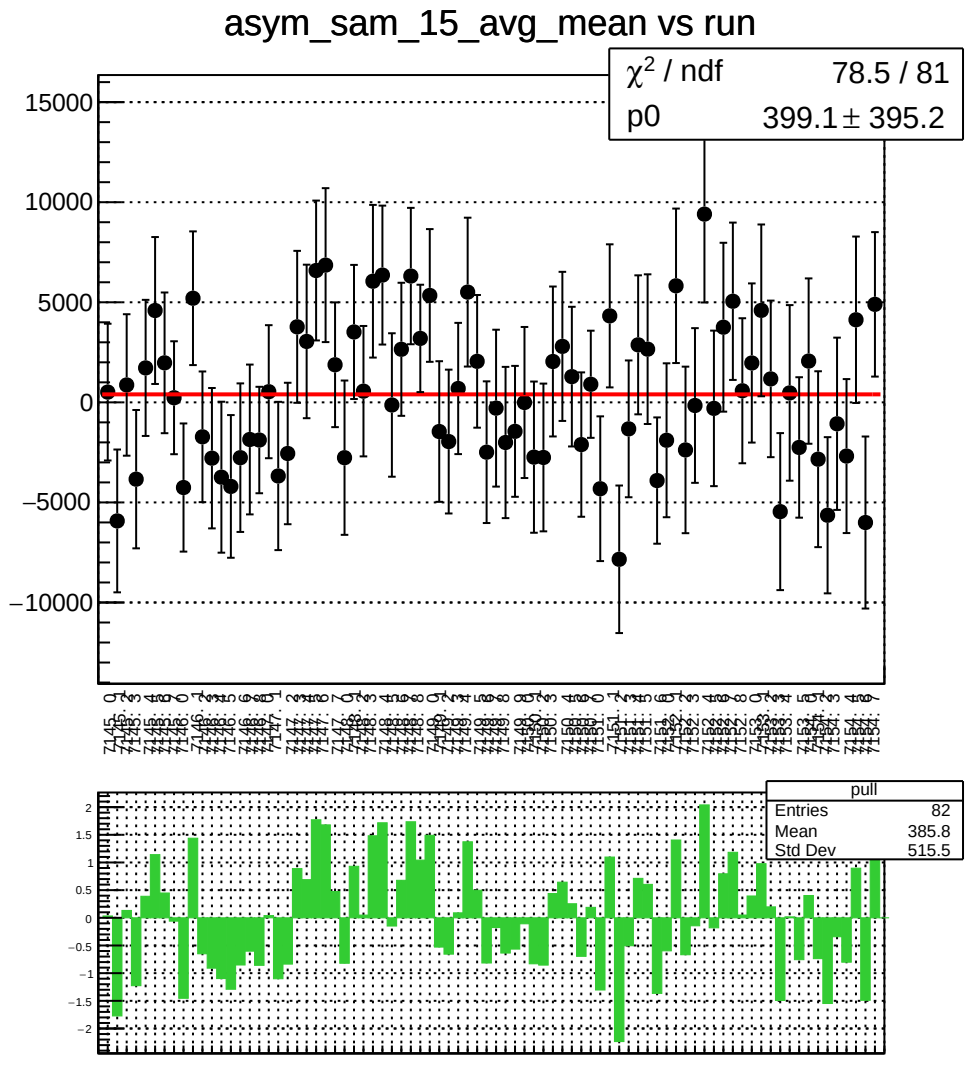

pull1D
Entries 82
Mean −0.002187
Std Dev 1.031

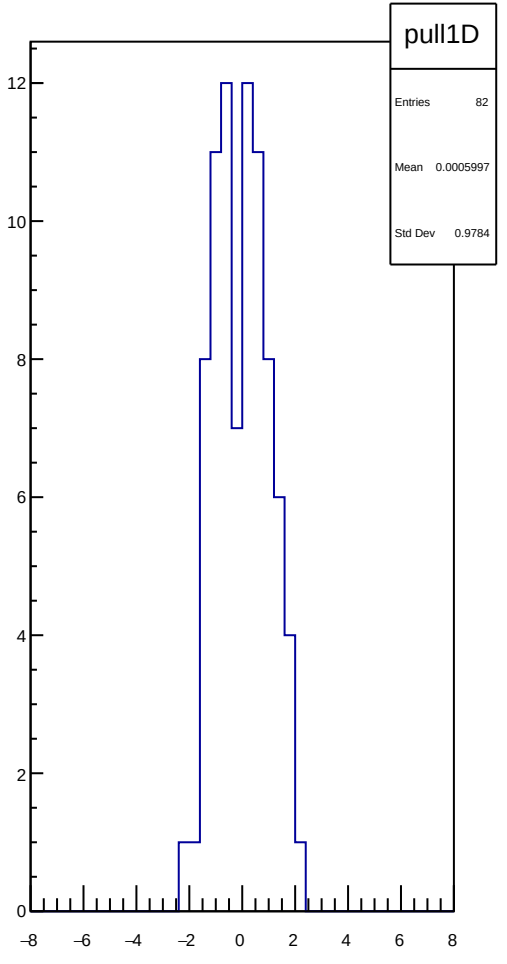

dit_asym_sam_15_avg_rms vs run
χ² / ndf 7637 / 81
p0 68.56 ± 0.05496
85
80
75
70
65
60

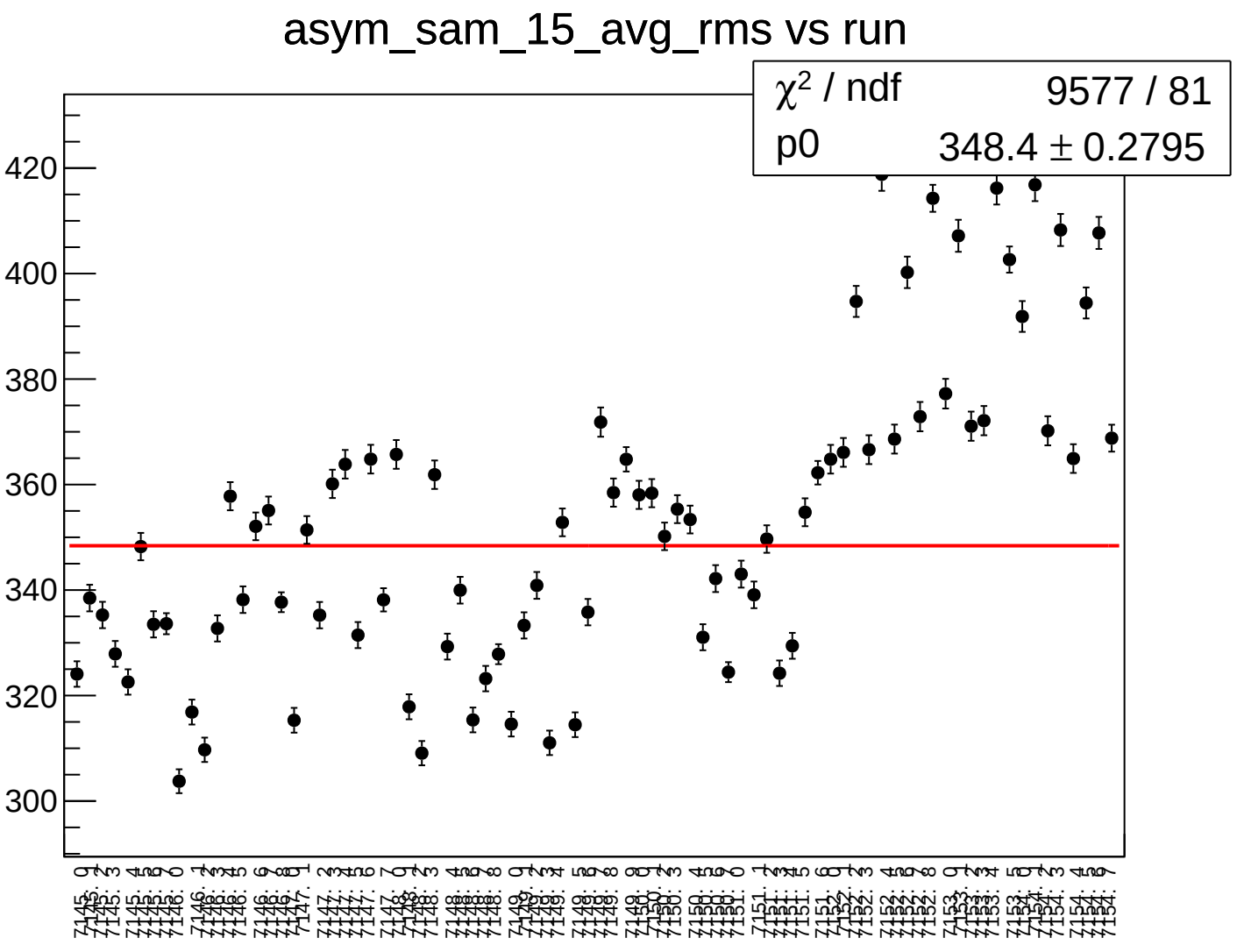

asym_sam_15_avg_correction_mean vs run
χ² / ndf 78.21 / 81
p0 −517.3 ± 399
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean −246.7
Std Dev 162.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

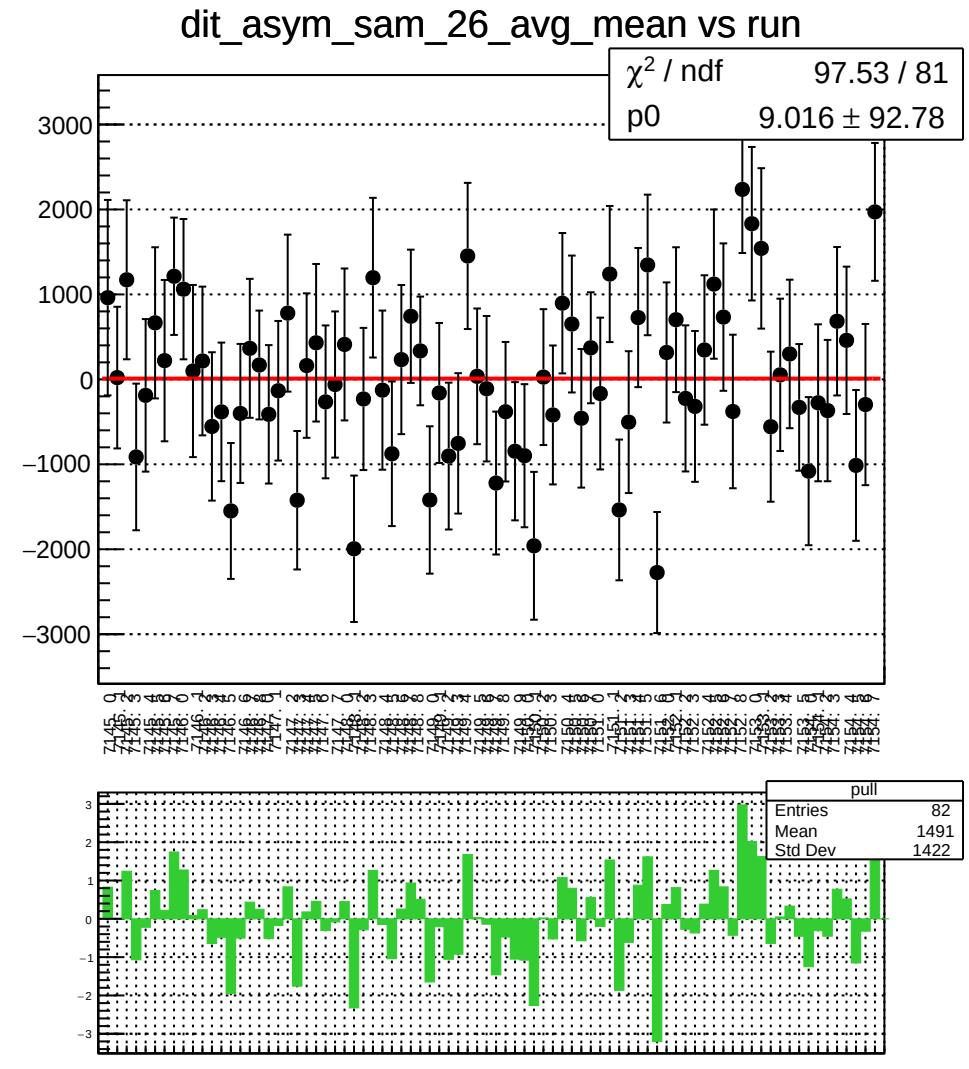

pull1D
Entries 82
Mean 0.0009135
Std Dev 0.9766
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

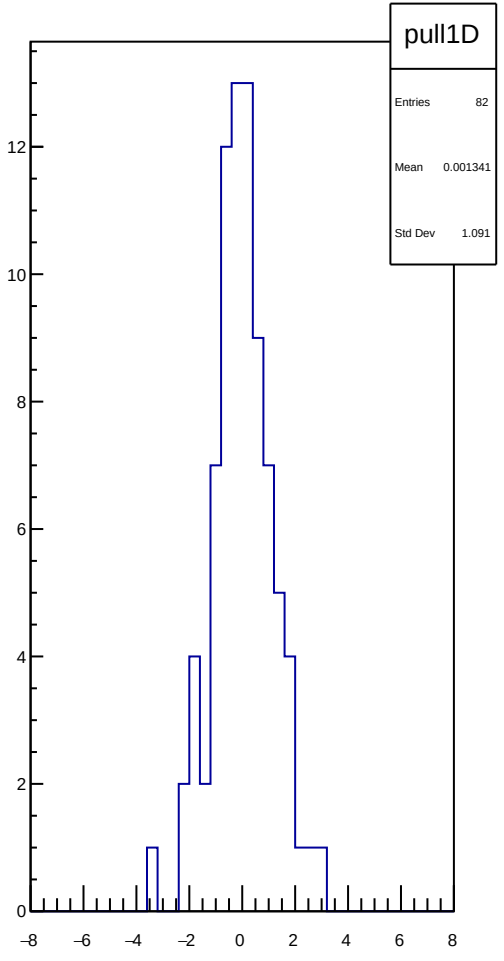

asym_sam_15_avg_correction_rms vs run
χ² / ndf 8529 / 81
p0 351.9 ± 0.2822
420
400
380
360
340
320
300

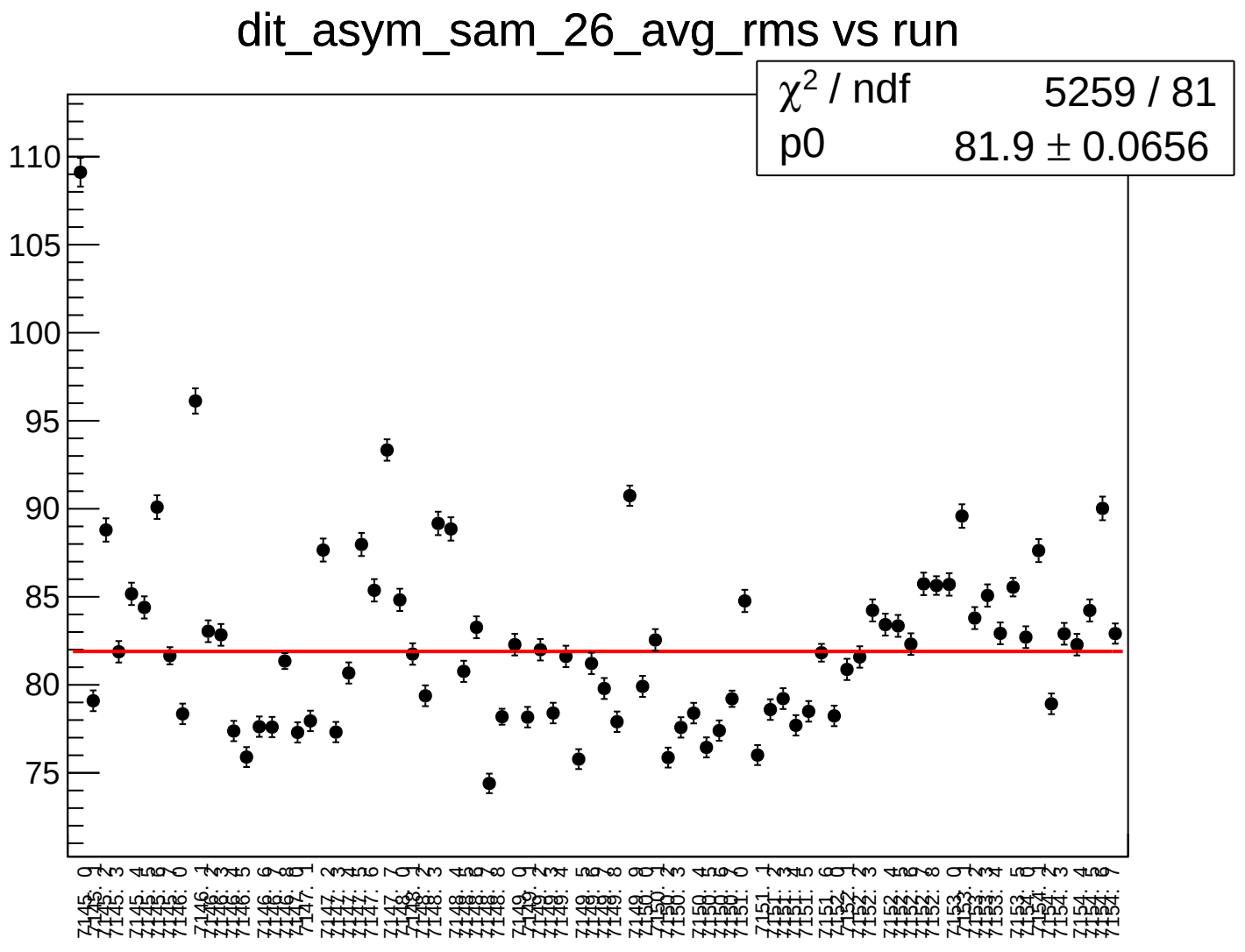

asym_sam_15_avg_mean vs run
χ² / ndf 78.5 / 81
p0 399.1 ± 395.2
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 385.8
Std Dev 515.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

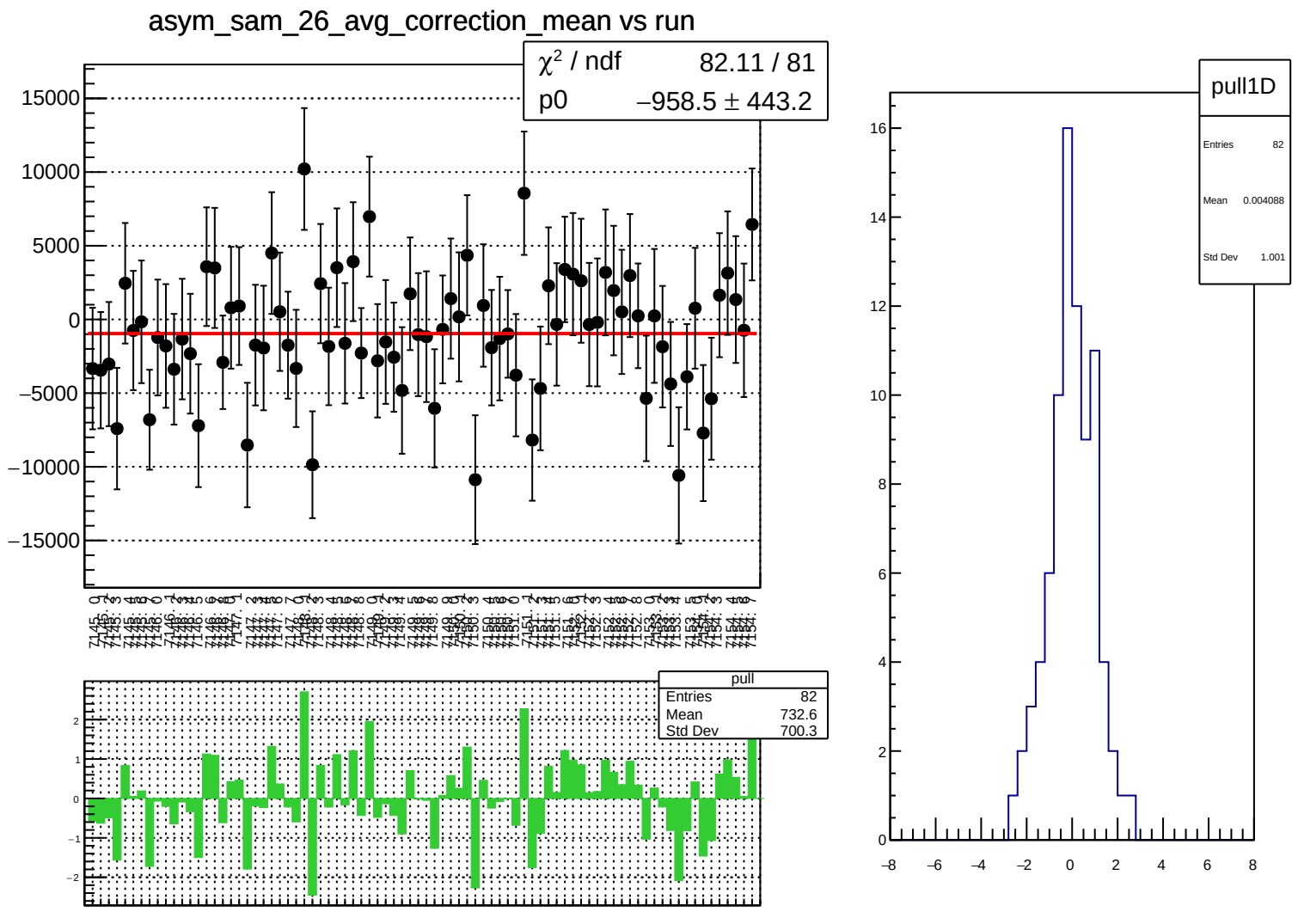

pull1D
Entries 82
Mean 0.0005997
Std Dev 0.9784
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

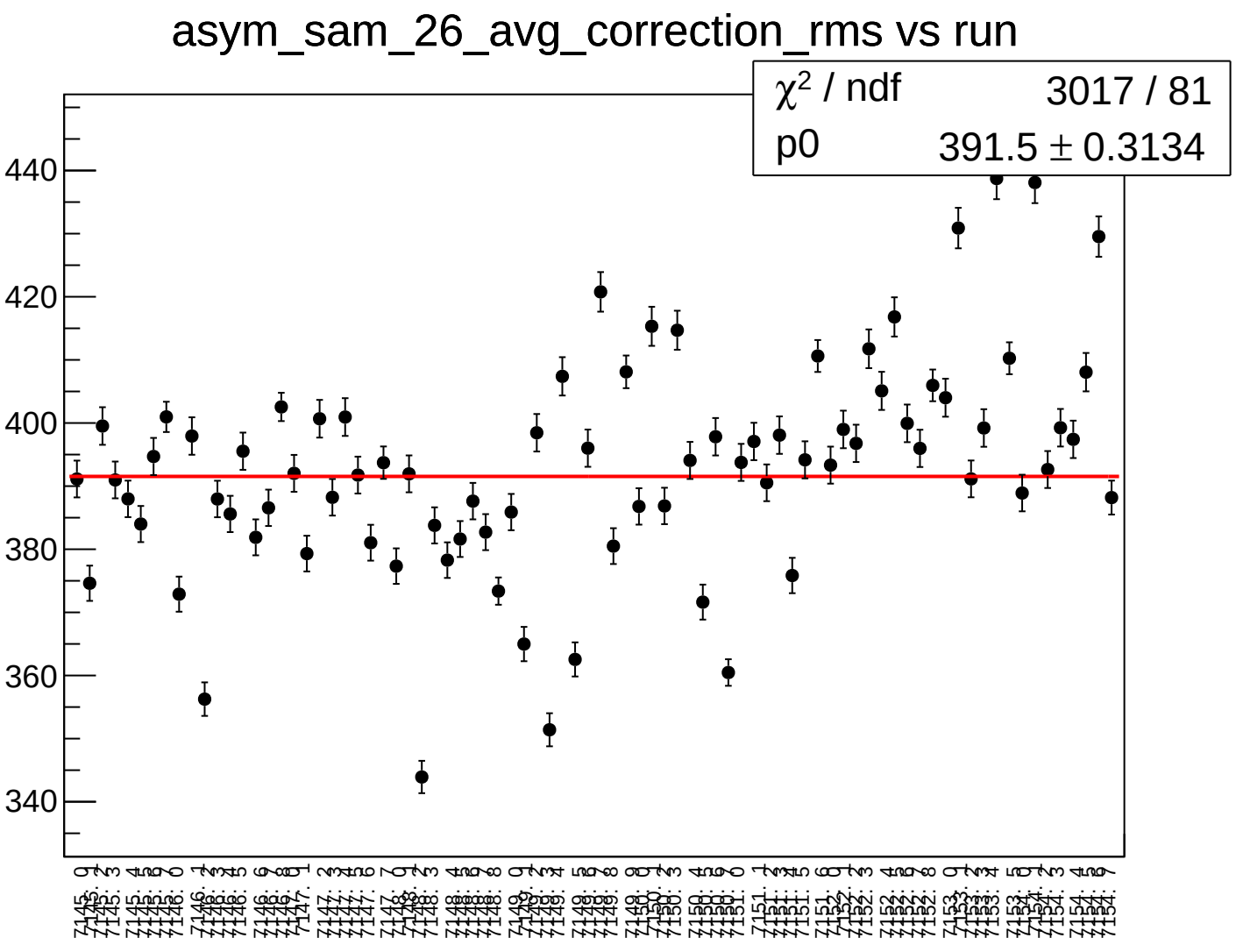

asym_sam_15_avg_rms vs run
χ^2 / ndf 9577 / 81
p0 348.4 ± 0.2795
420
400
380
360
340
320
300

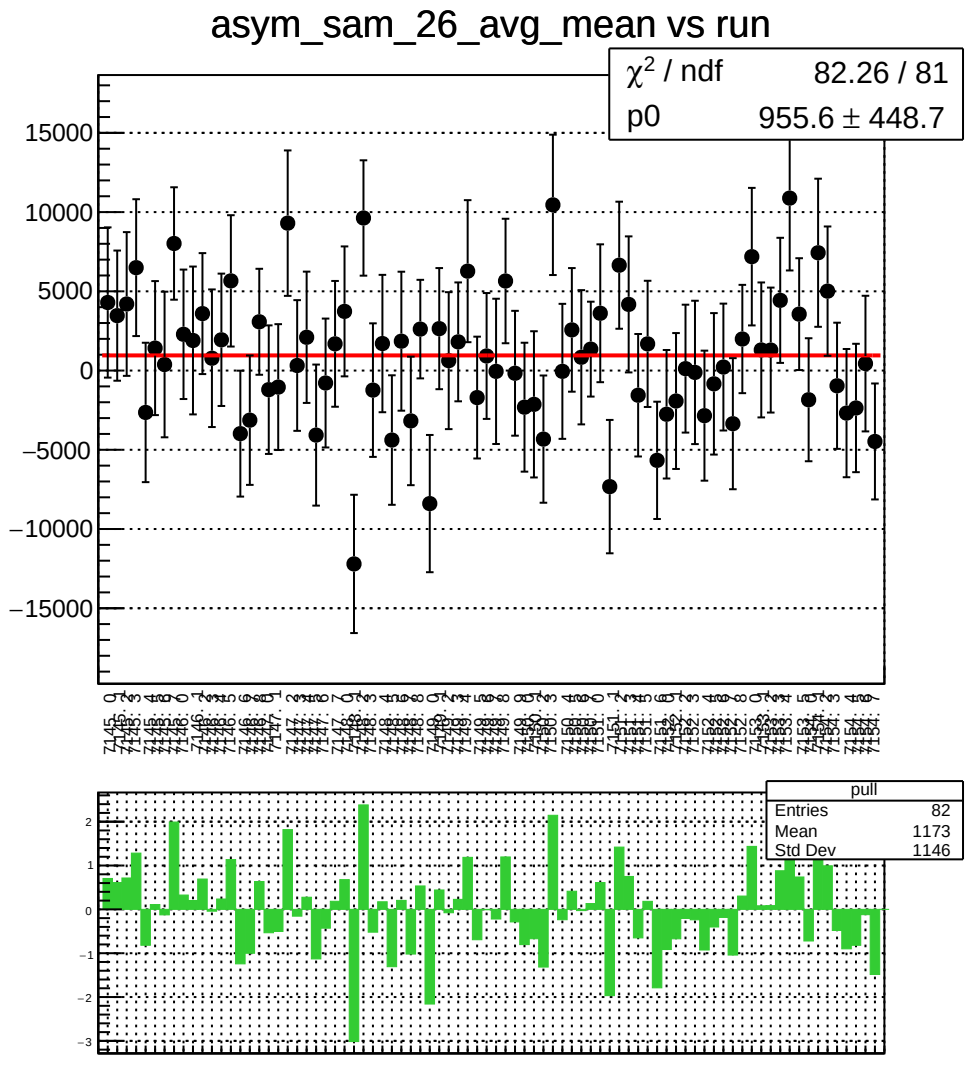

dit_asym_sam_26_avg_mean vs run
χ² / ndf 97.53 / 81
p0 9.016 ± 92.78
pull
Entries 82
Mean 1491
Std Dev 1422

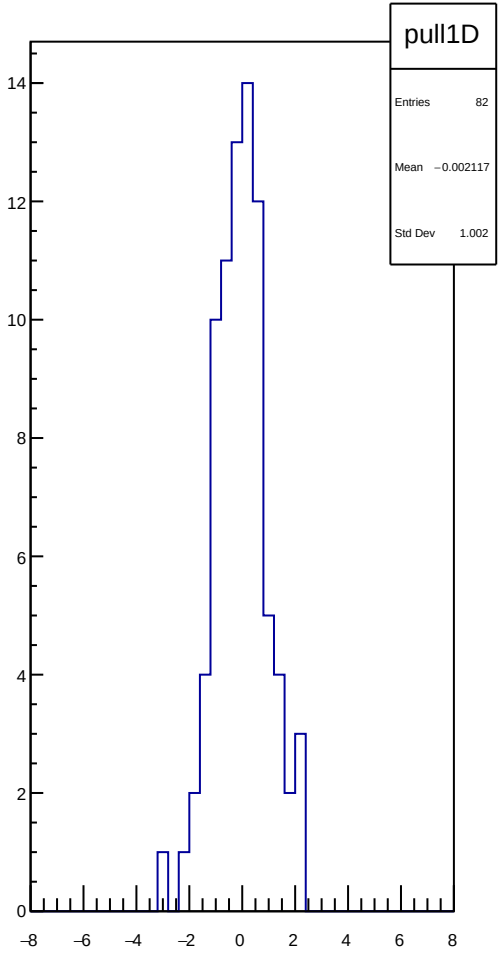

pull1D
Entries 82
Mean 0.001341
Std Dev 1.091

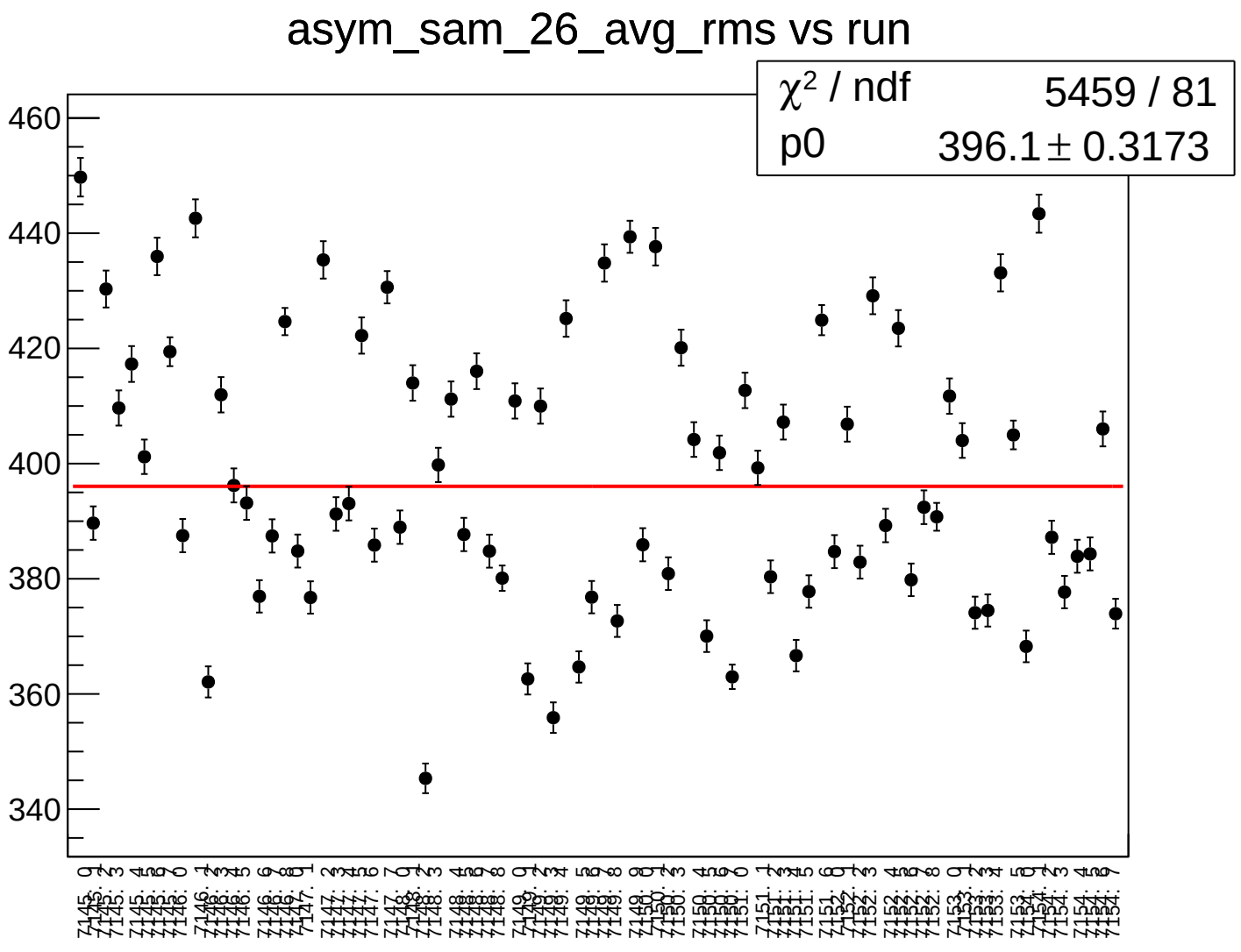

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 5259 / 81
p0 81.9 ± 0.0656
110
105
100
95
90
85
80
75

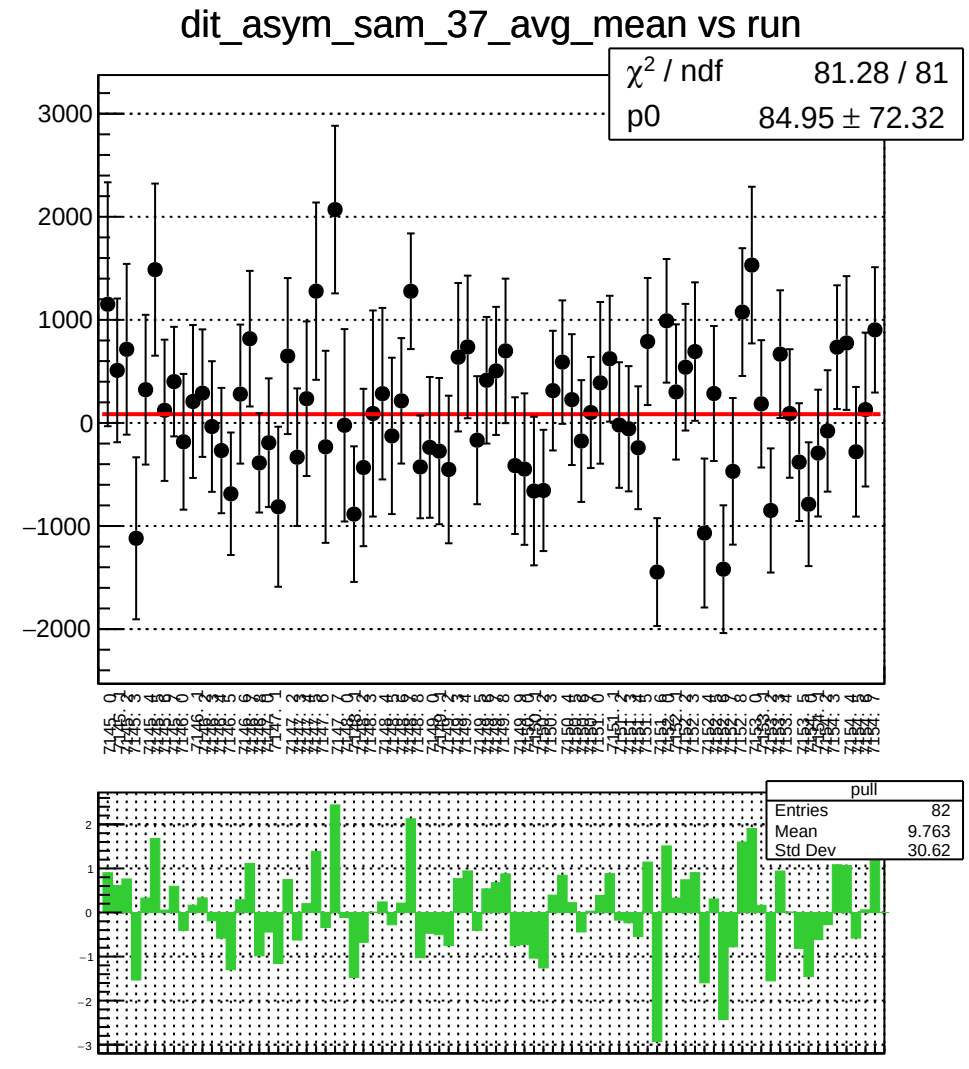

asym_sam_26_avg_correction_mean vs run
χ² / ndf 82.11 / 81
p0 −958.5 ± 443.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 732.6
Std Dev 700.3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.004088
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

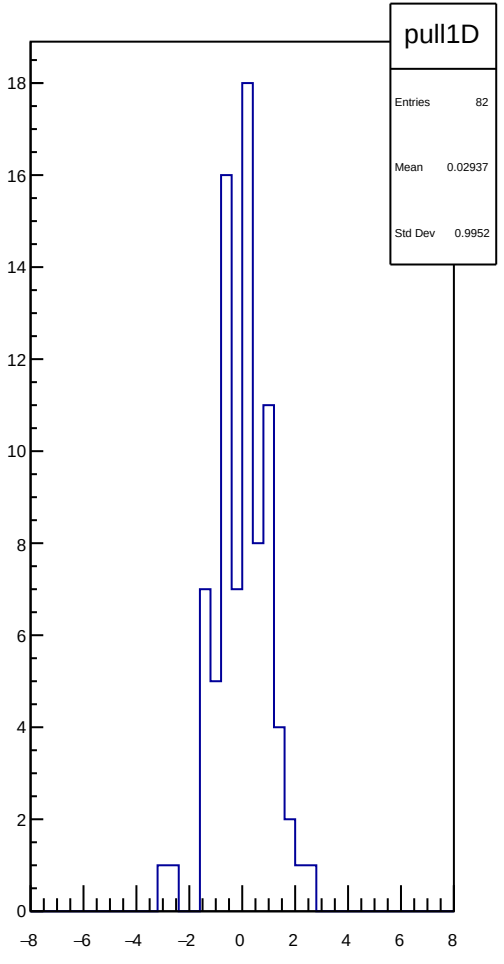

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3017 / 81
p0 391.5 ± 0.3134
440
420
400
380
360
340

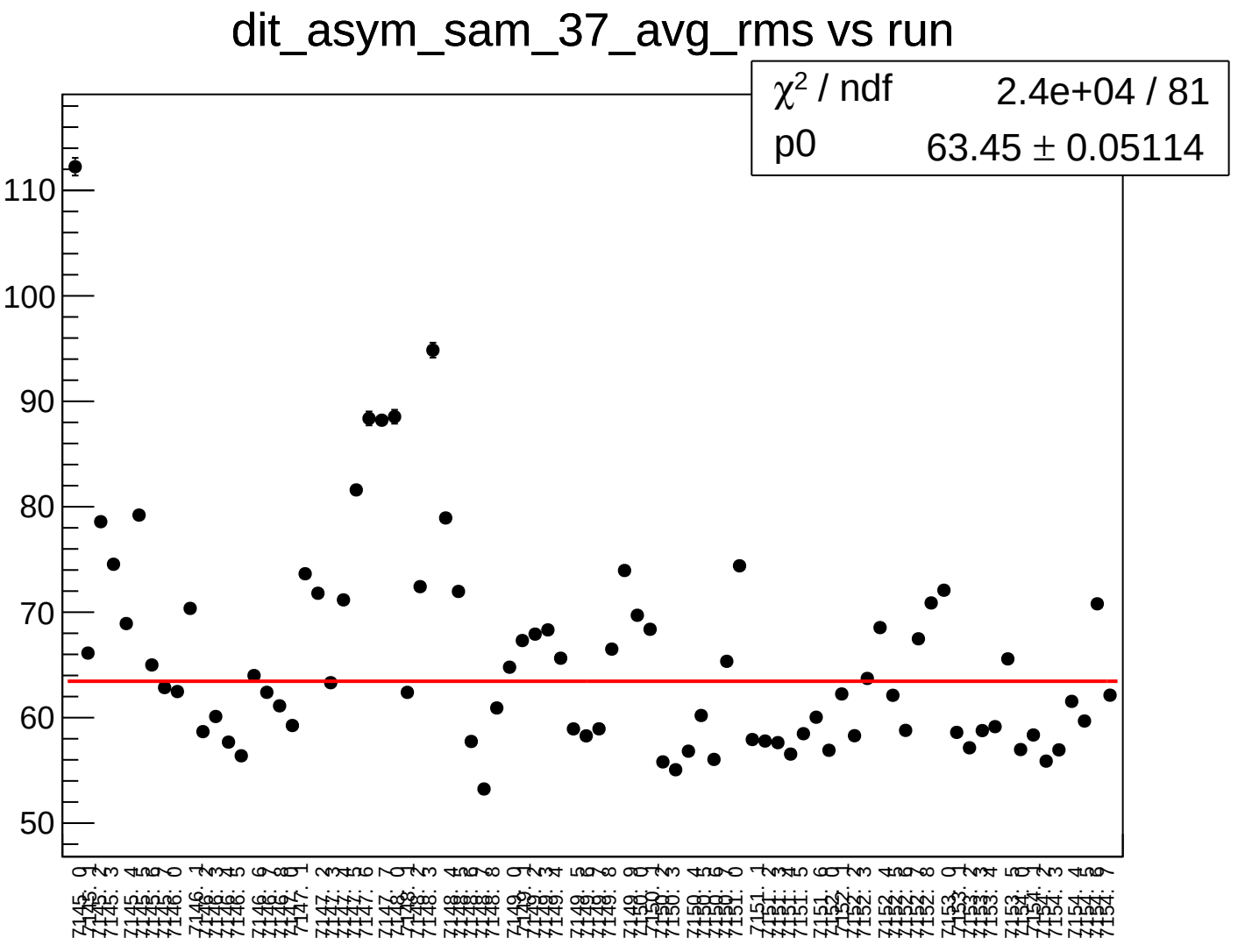

asym_sam_26_avg_mean vs run
χ² / ndf 82.26 / 81
p0 955.6 ± 448.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1173
Std Dev 1146
2
1
0
−1
−2
−3

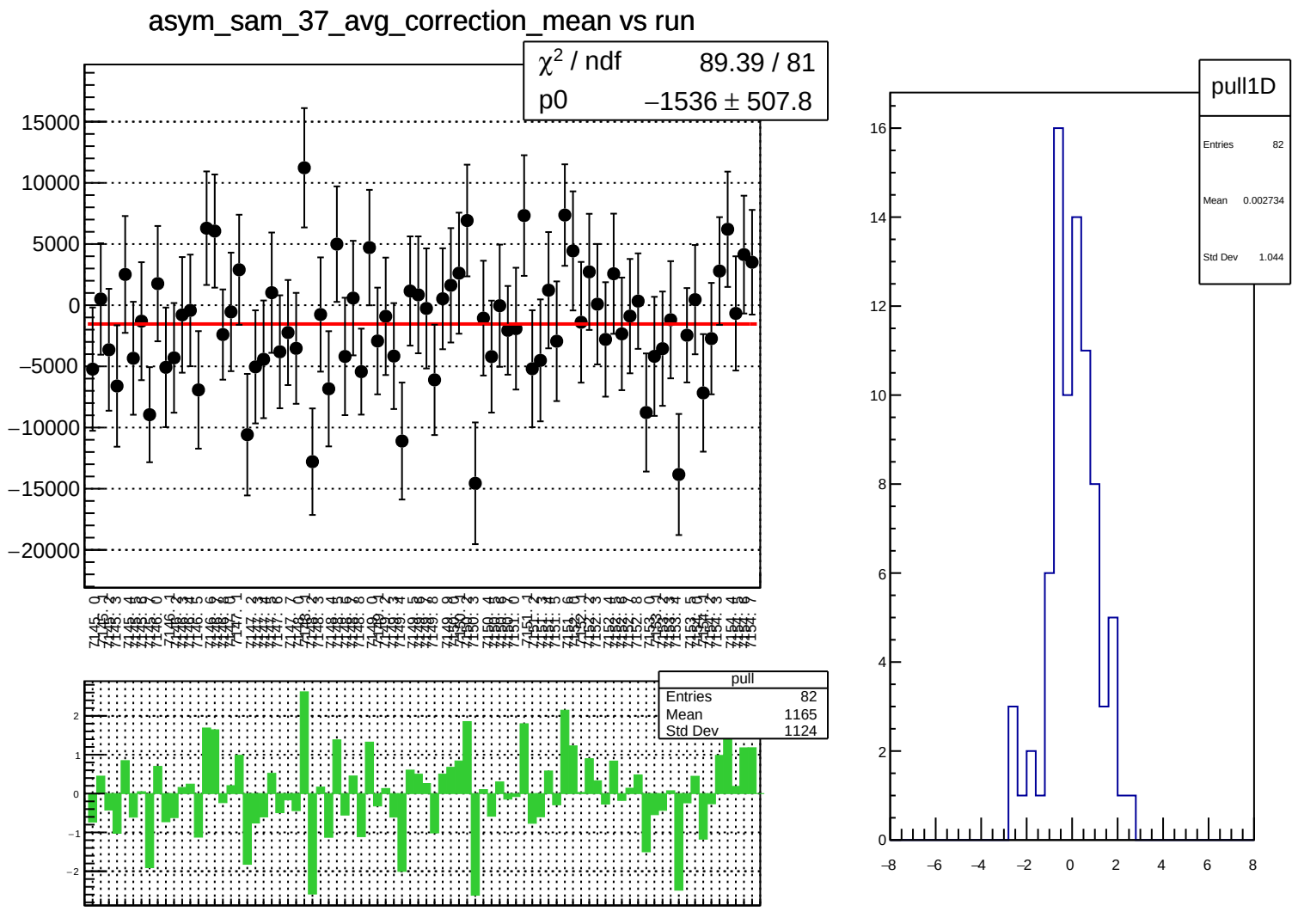

pull1D
Entries 82
Mean −0.002117
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

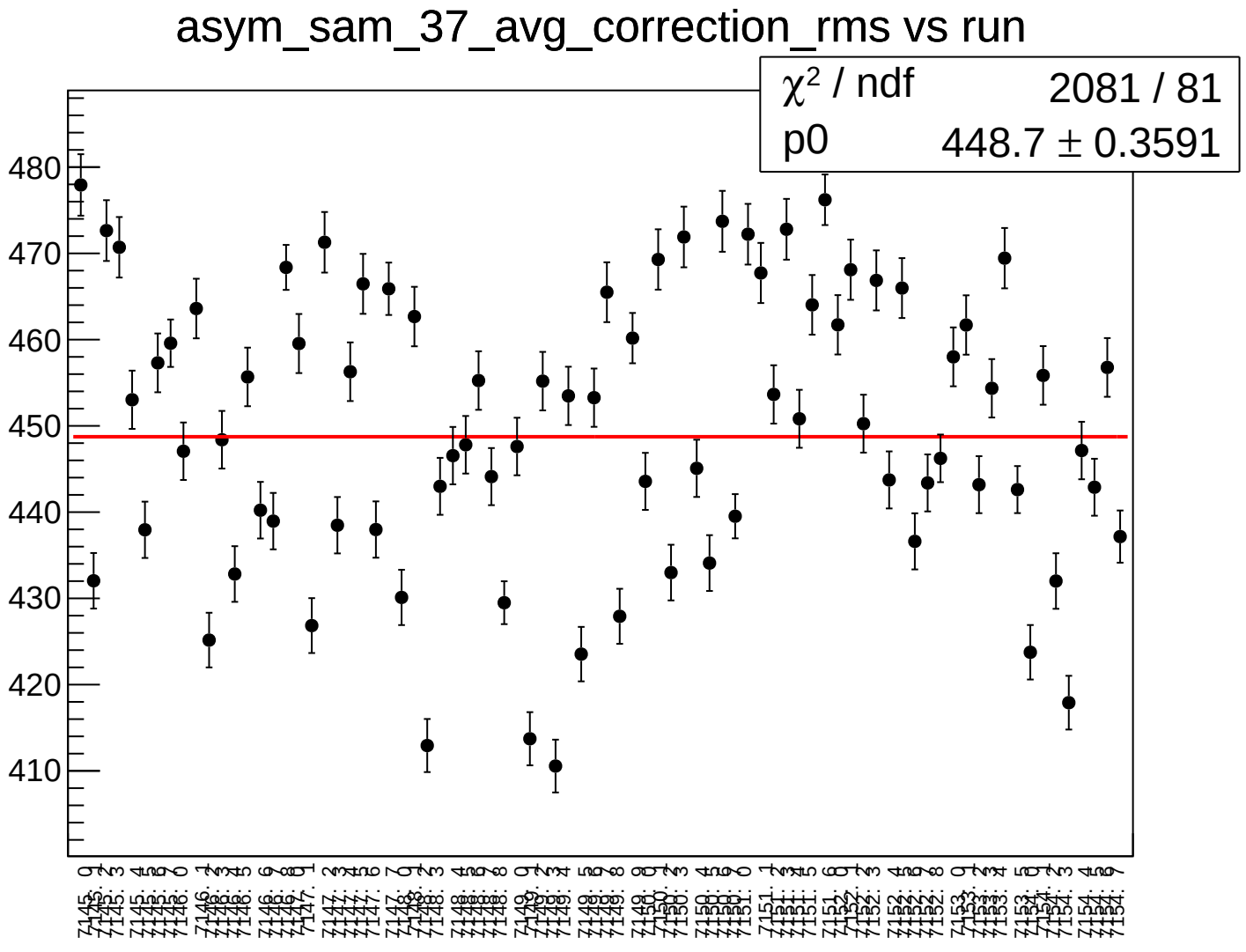

asym_sam_26_avg_rms vs run
χ² / ndf 5459 / 81
p0 396.1 ± 0.3173
460
440
420
400
380
360
340

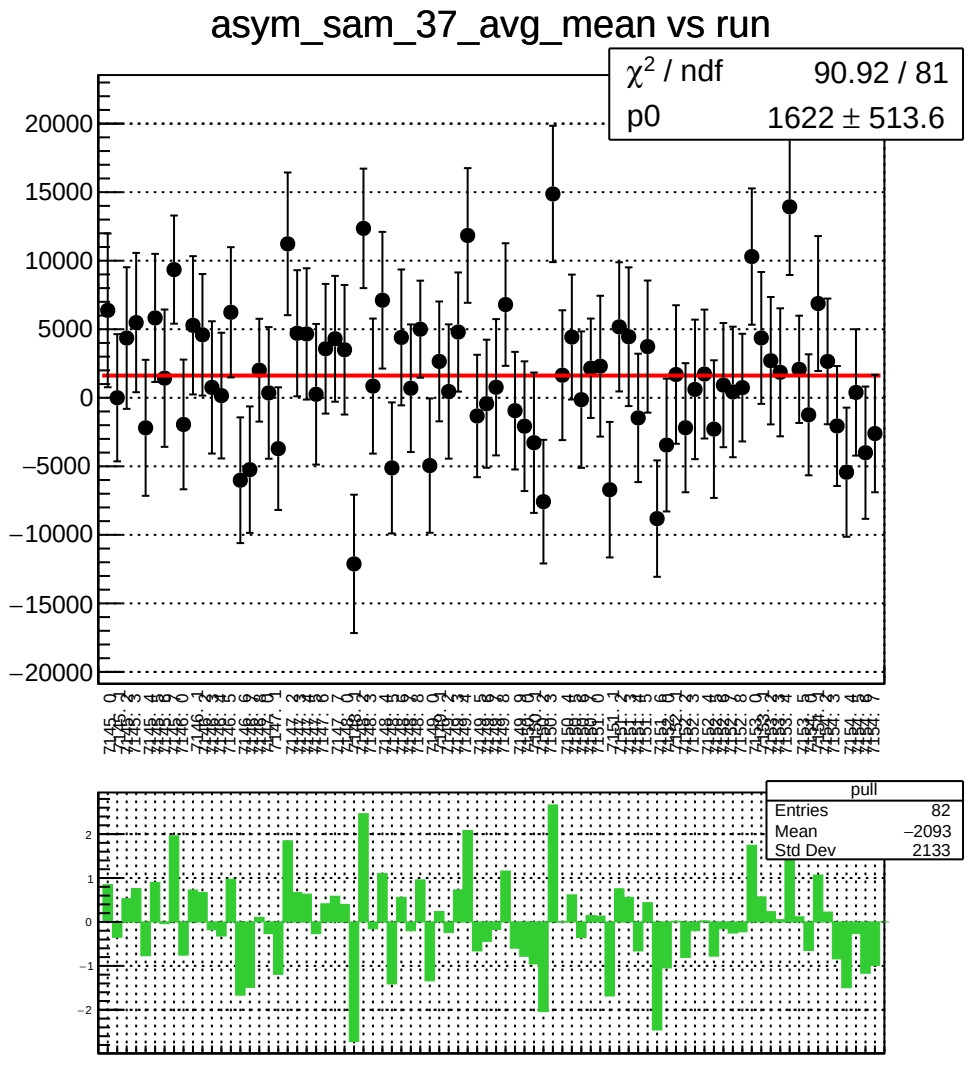

dit_asym_sam_37_avg_mean vs run
χ² / ndf 81.28 / 81
p0 84.95 ± 72.32
pull
Entries 82
Mean 9.763
Std Dev 30.62

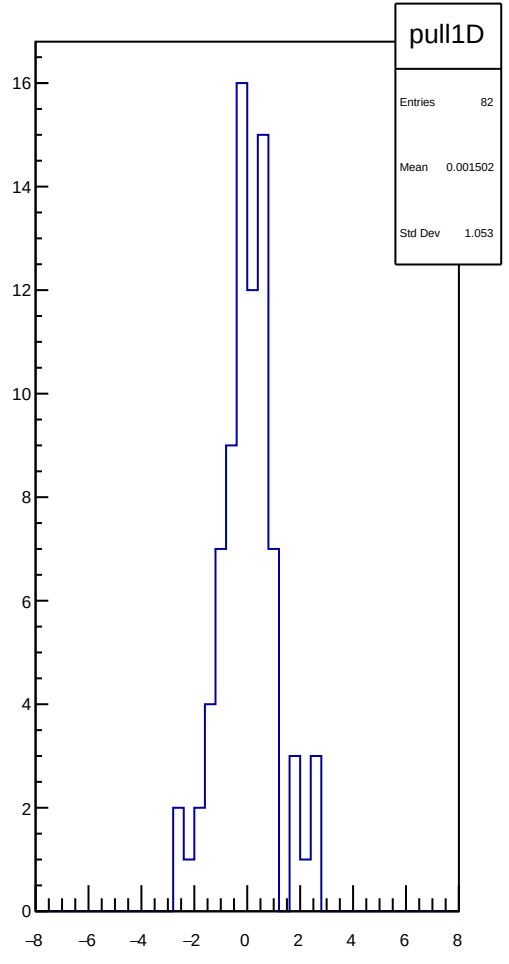

pull1D
Entries 82
Mean 0.02937
Std Dev 0.9952

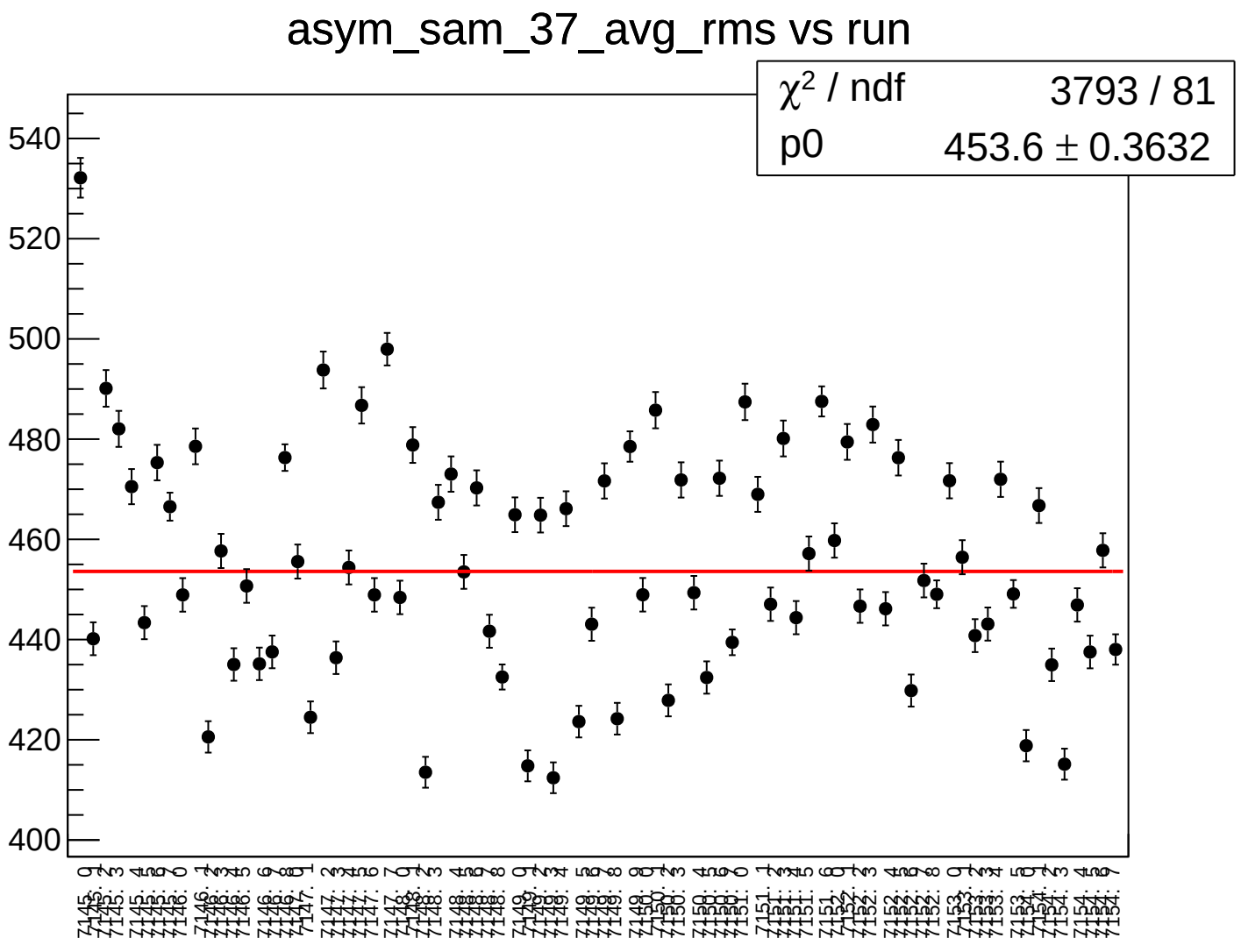

dit_asym_sam_37_avg_rms vs run
χ² / ndf 2.4e+04 / 81
p0 63.45 ± 0.05114
110
100
90
80
70
60
50

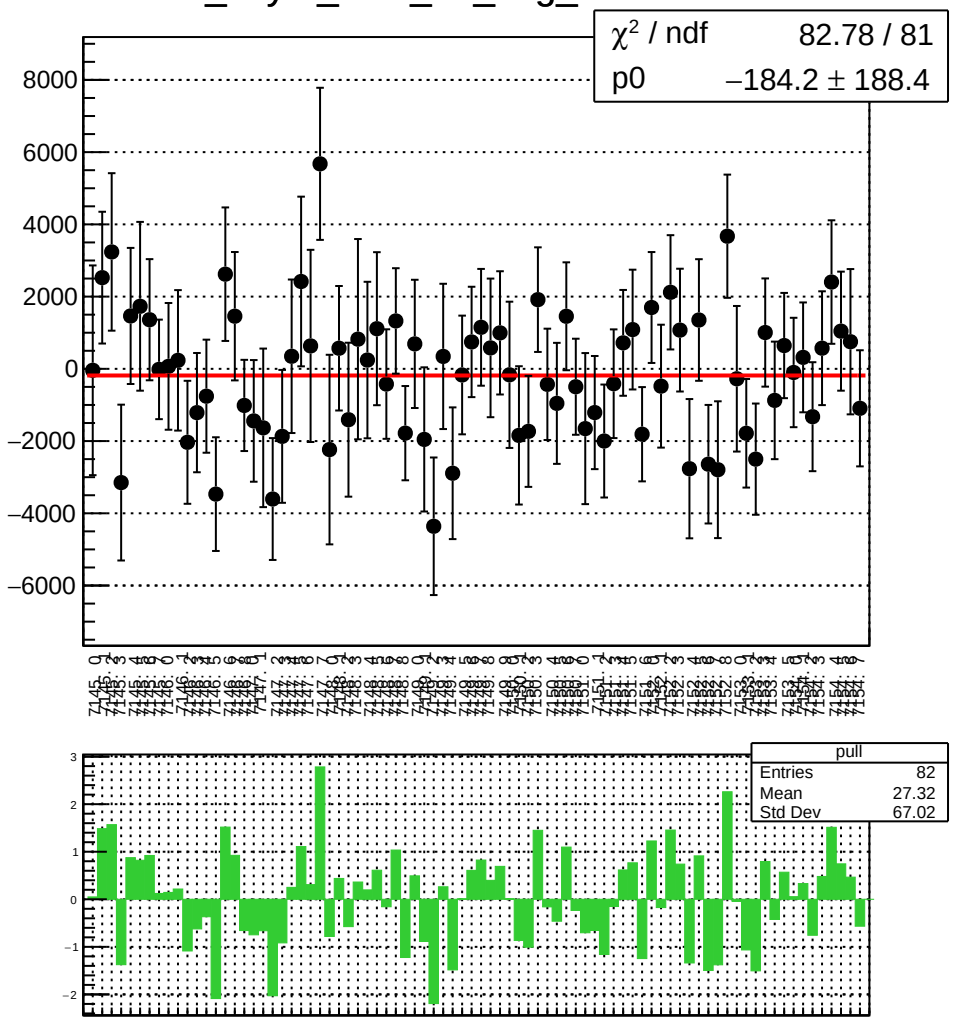

asym_sam_37_avg_correction_mean vs run
χ² / ndf 89.39 / 81
p0 −1536 ± 507.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 1165
Std Dev 1124
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002734
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

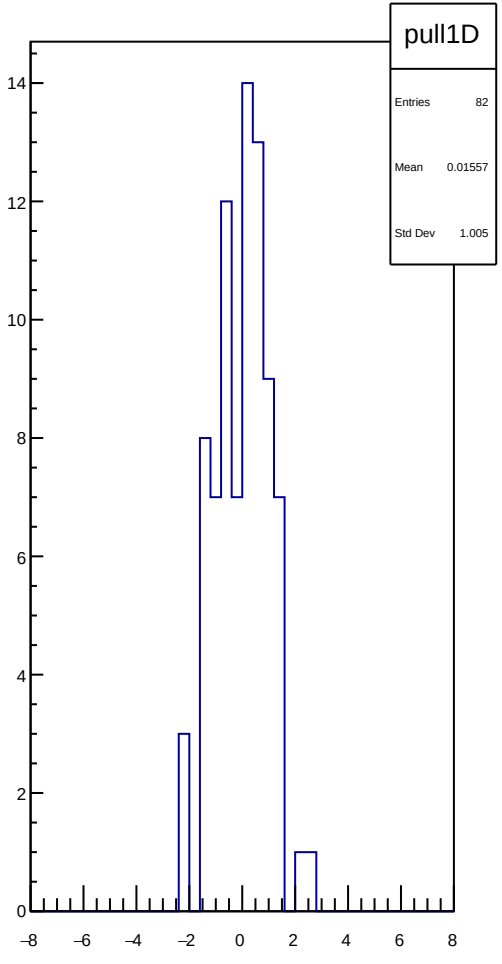

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2081 / 81
p0 448.7 ± 0.3591
480
470
460
450
440
430
420
410

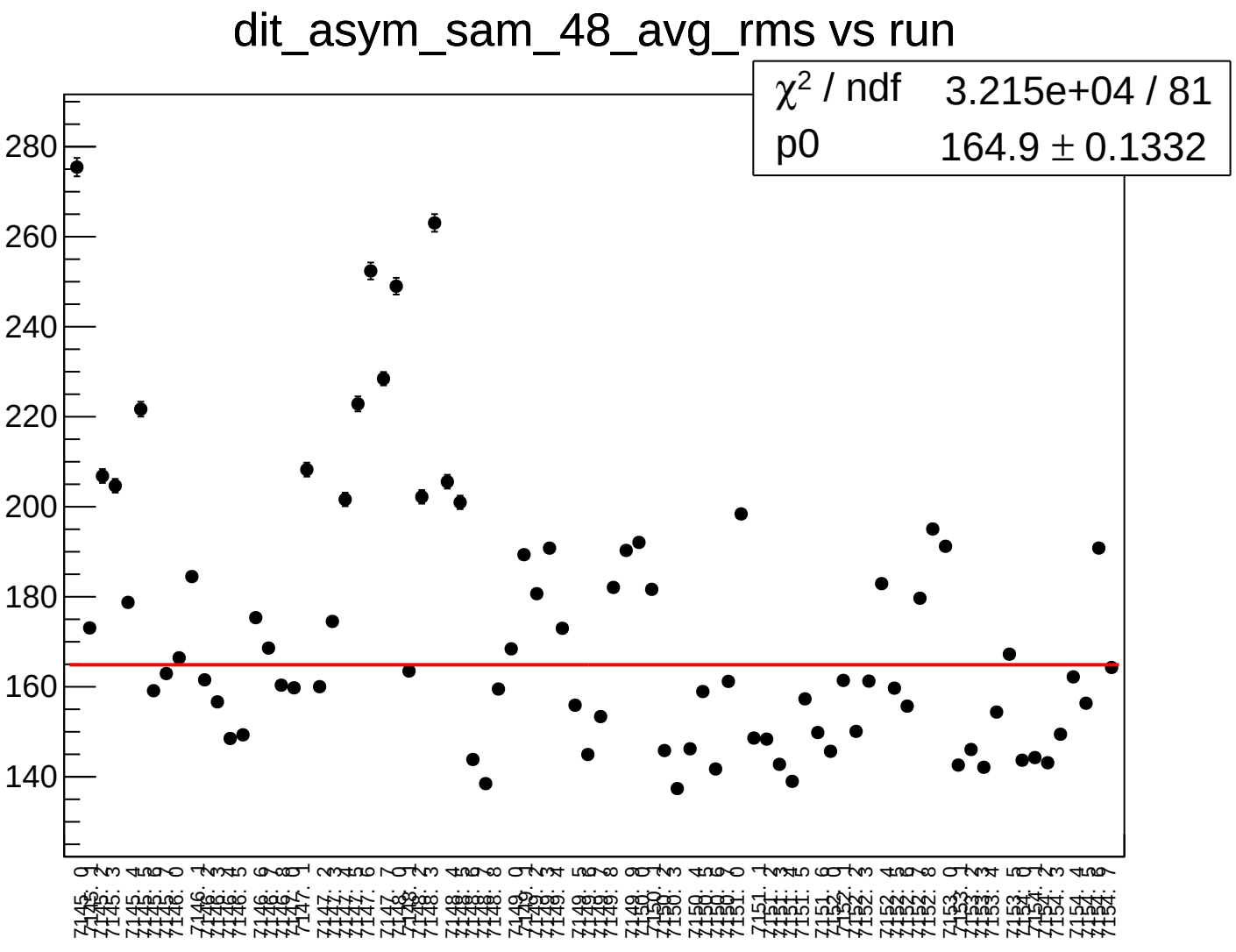

asym_sam_37_avg_mean vs run
χ² / ndf 90.92 / 81
p0 1622 ± 513.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean −2093
Std Dev 2133
2
1
0
−1
−2

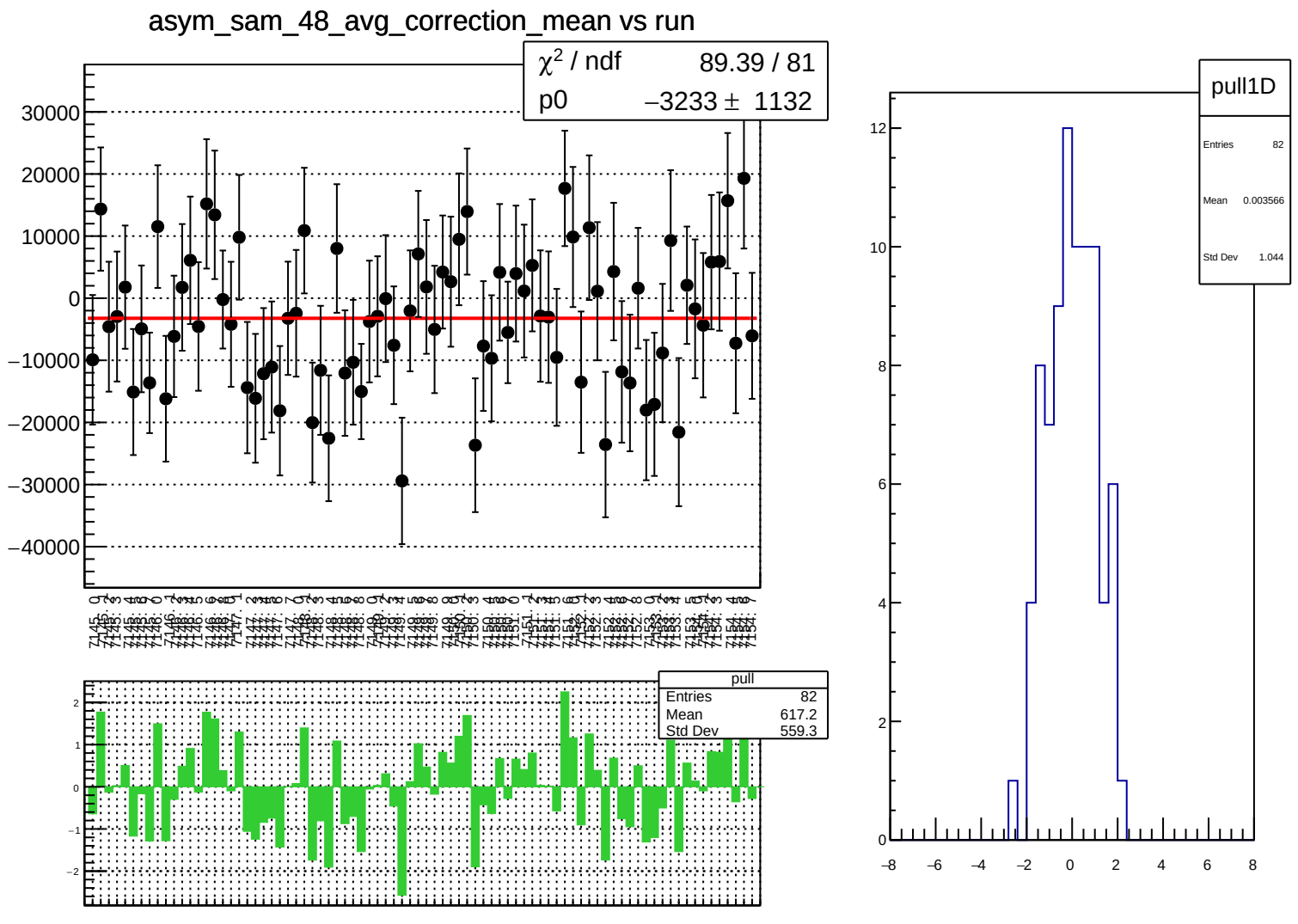

pull1D
Entries 82
Mean 0.001502
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

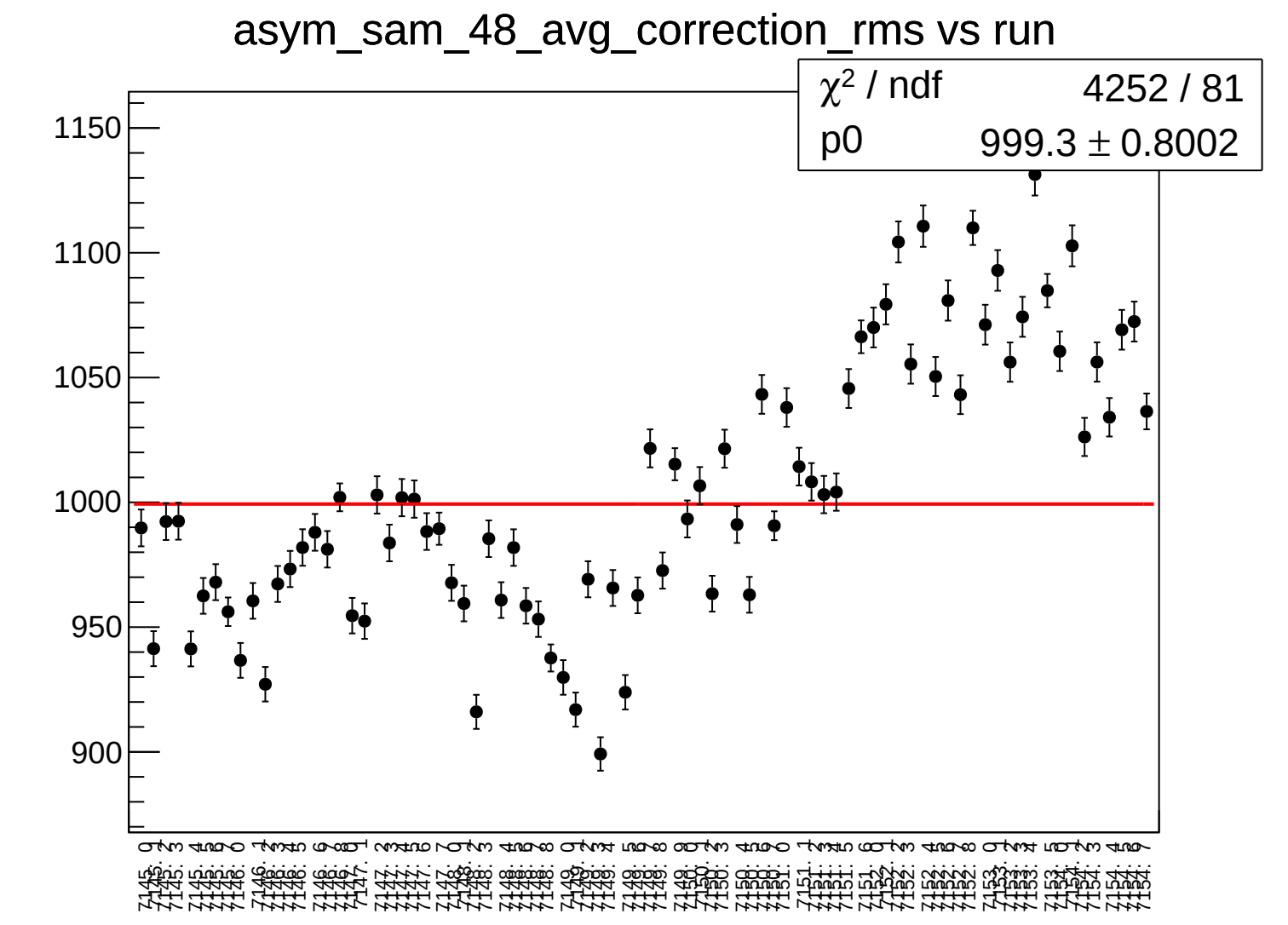

asym_sam_37_avg_rms vs run
χ² / ndf 3793 / 81
p0 453.6 ± 0.3632
540
520
500
480
460
440
420
400

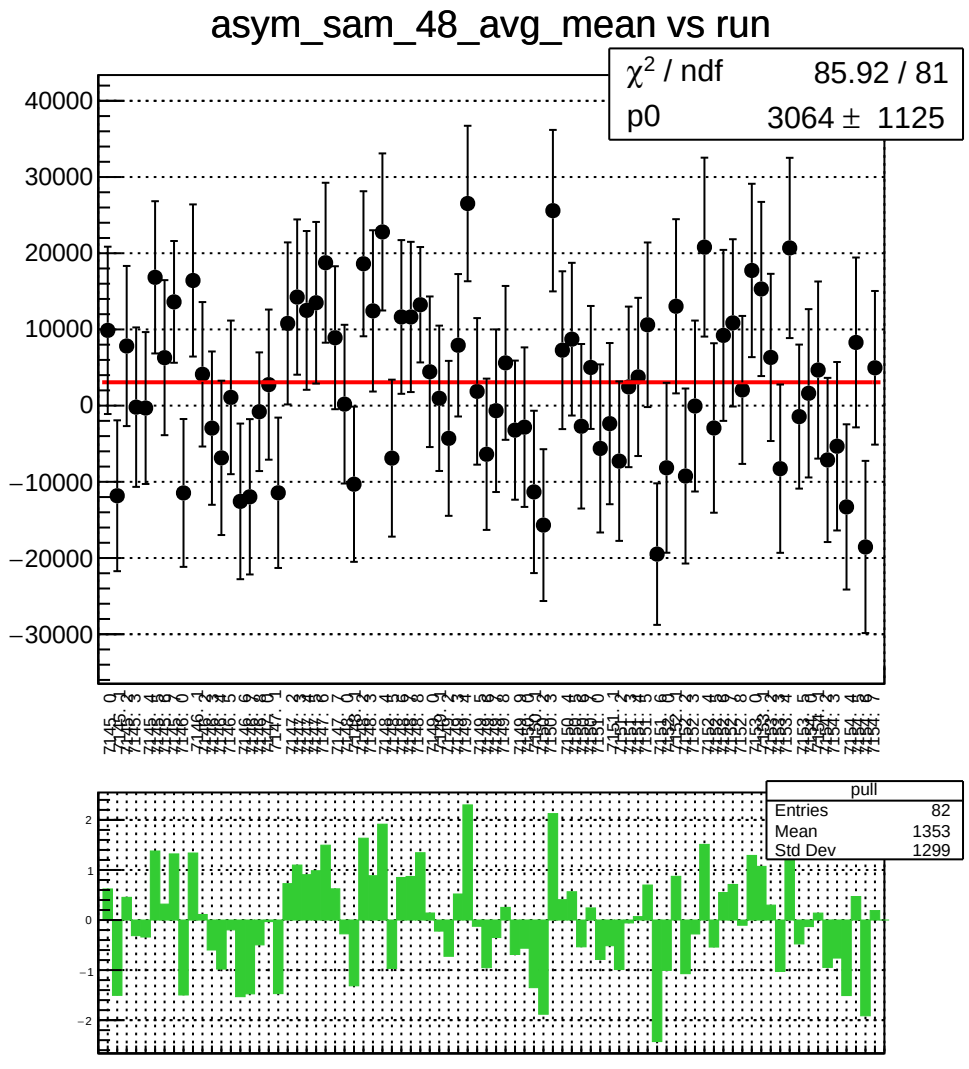

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.78 / 81
p0 −184.2 ± 188.4
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 27.32
Std Dev 67.02
3
2
1
0
−1
−2

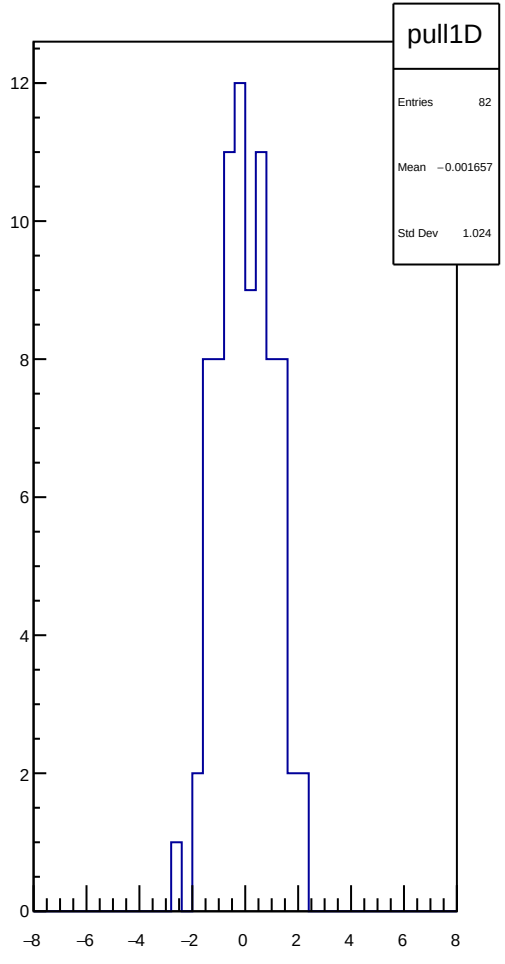

pull1D
Entries 82
Mean 0.01557
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

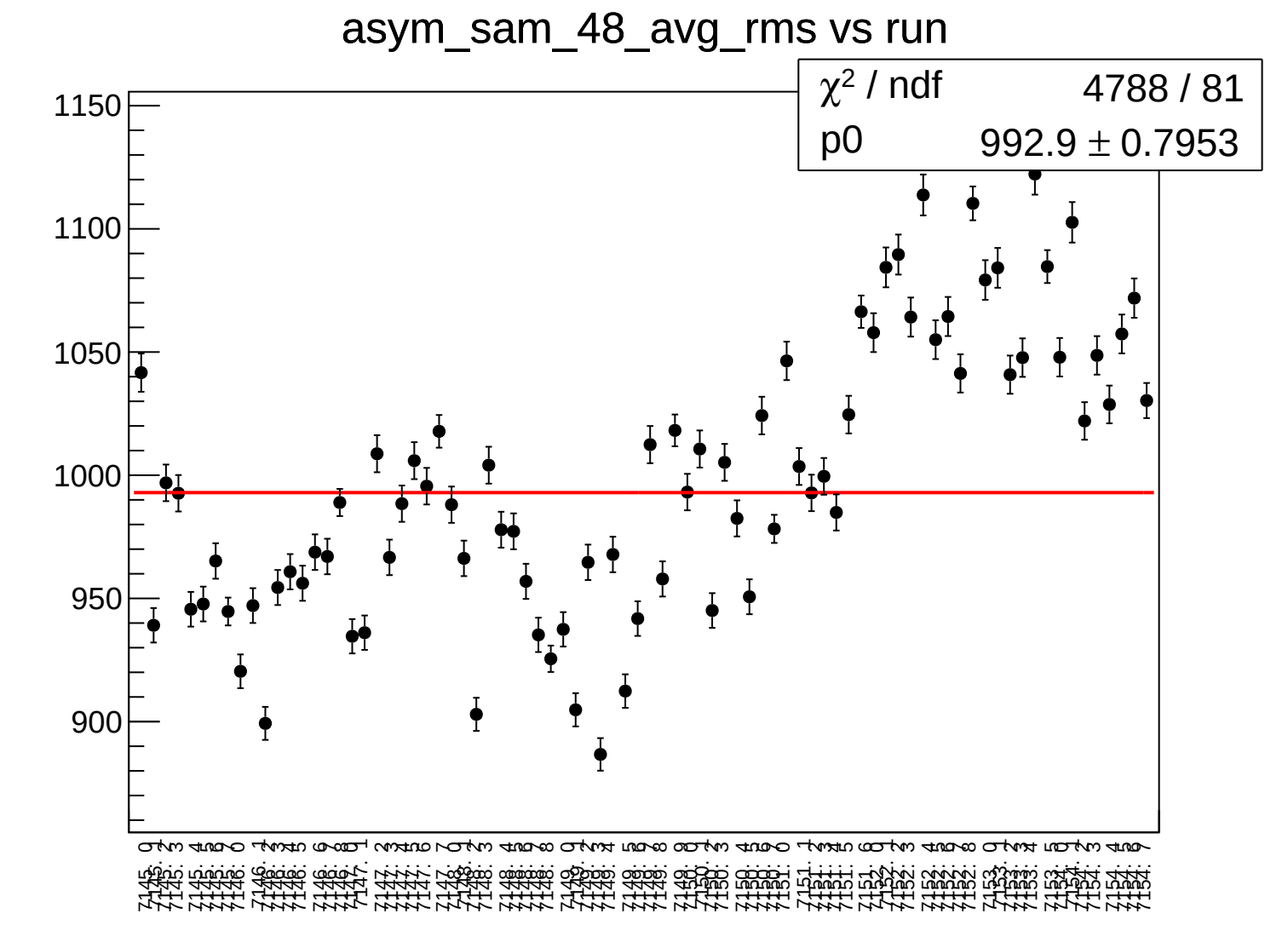

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.215e+04 / 81
p0 164.9 ± 0.1332
280
260
240
220
200
180
160
140

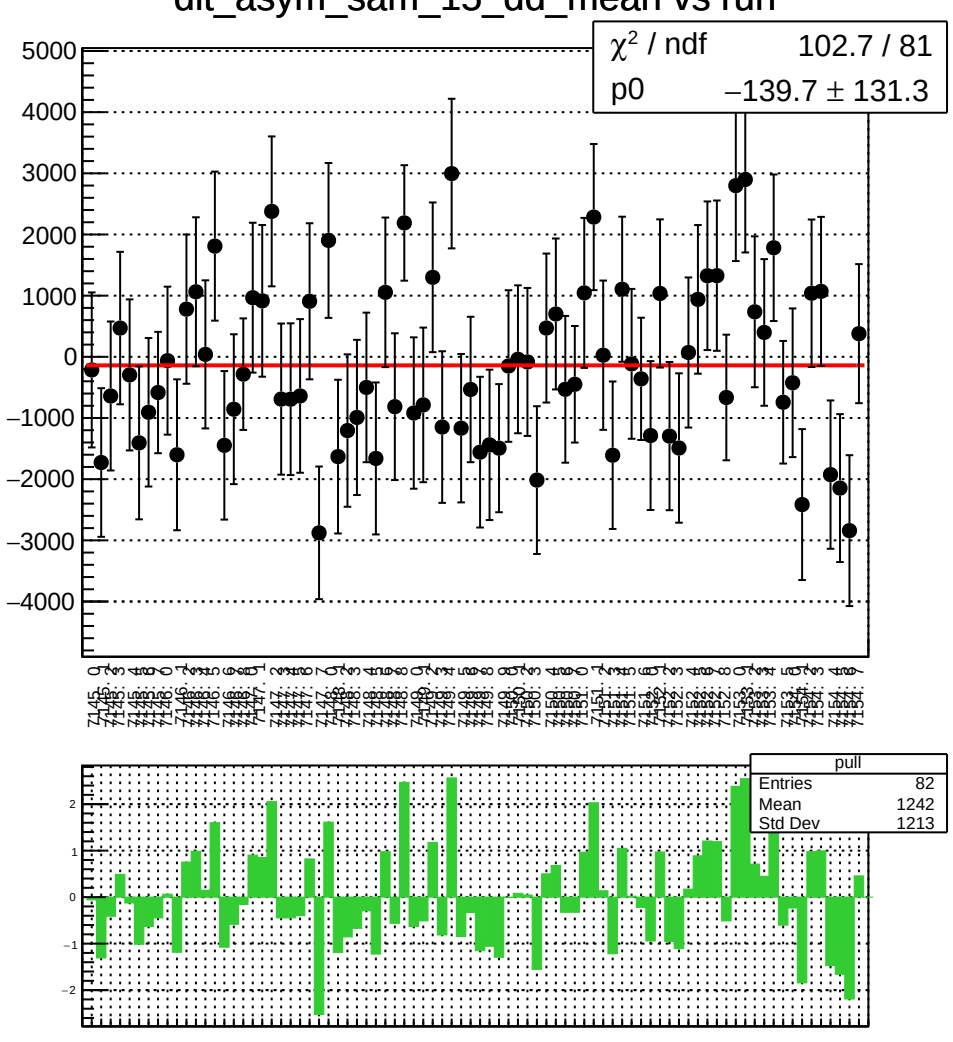

asym_sam_48_avg_correction_mean vs run
χ² / ndf 89.39 / 81
p0 −3233 ± 1132
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 82
Mean 617.2
Std Dev 559.3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003566
Std Dev 1.044
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

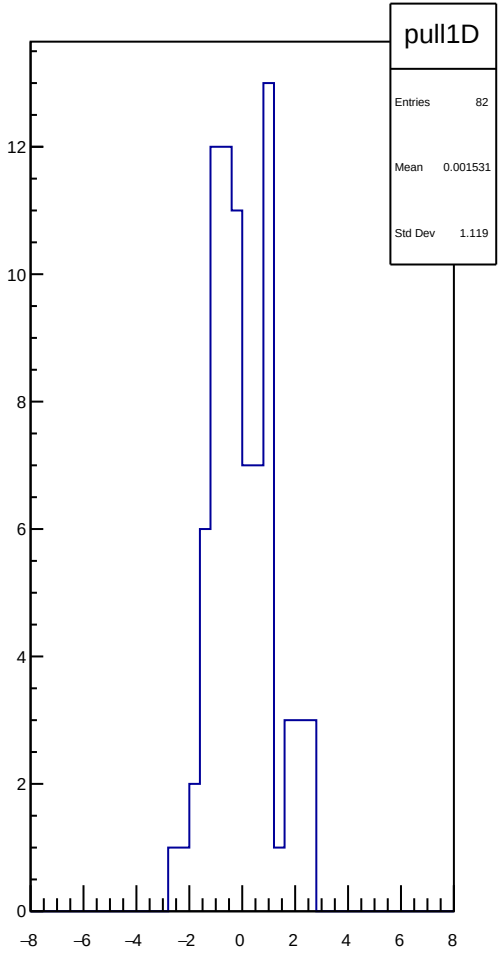

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4252 / 81
p0 999.3 ± 0.8002
1150
1100
1050
1000
950
900

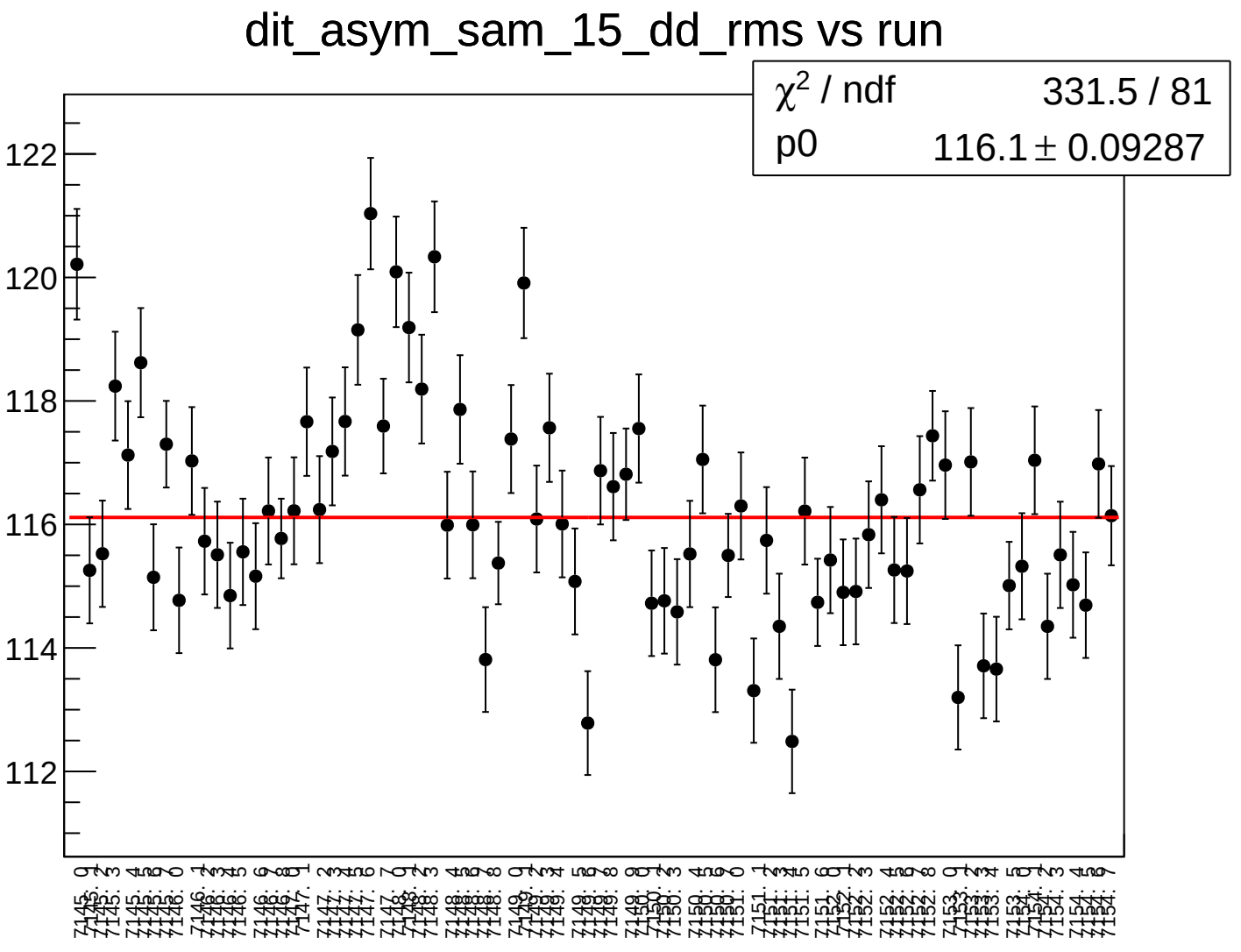

asym_sam_48_avg_mean vs run
χ² / ndf 85.92 / 81
p0 3064 ± 1125
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1353
Std Dev 1299
2
1
0
−1
−2

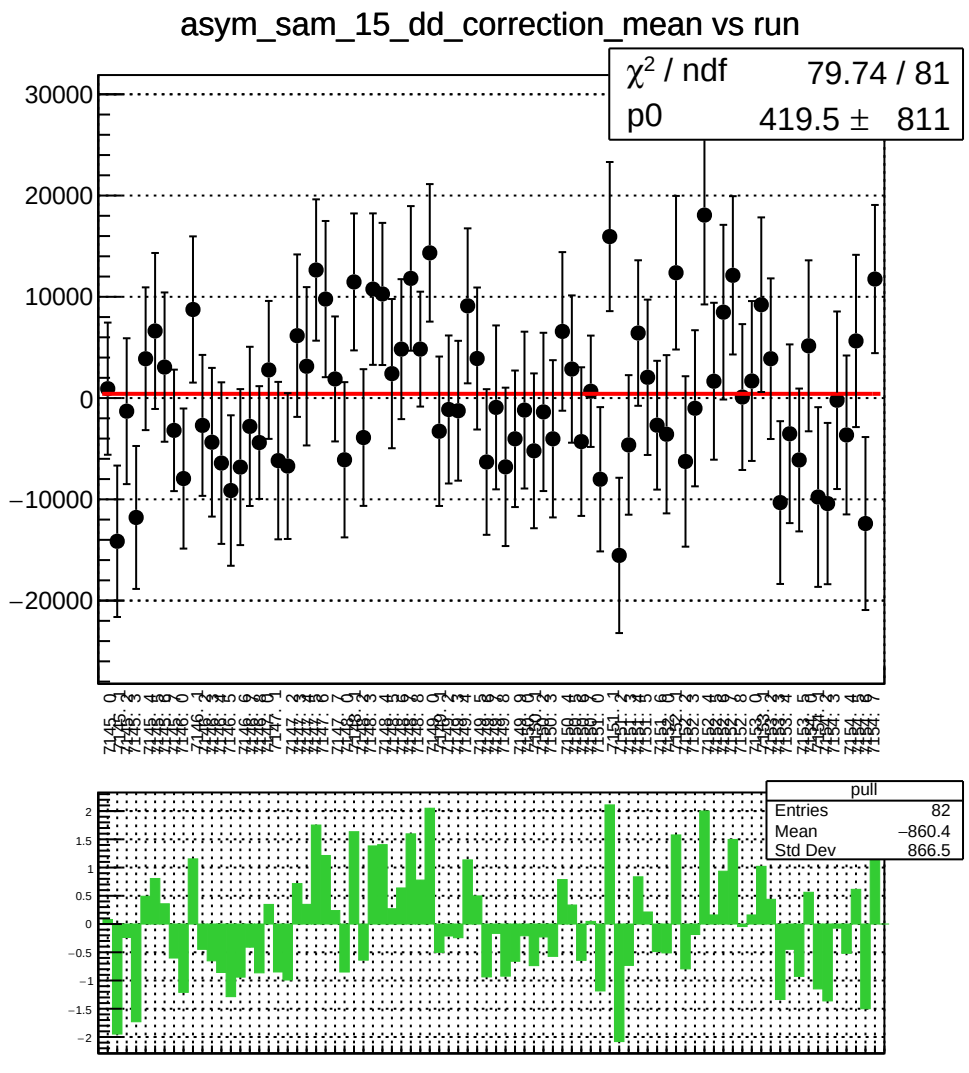

pull1D
Entries 82
Mean −0.001657
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

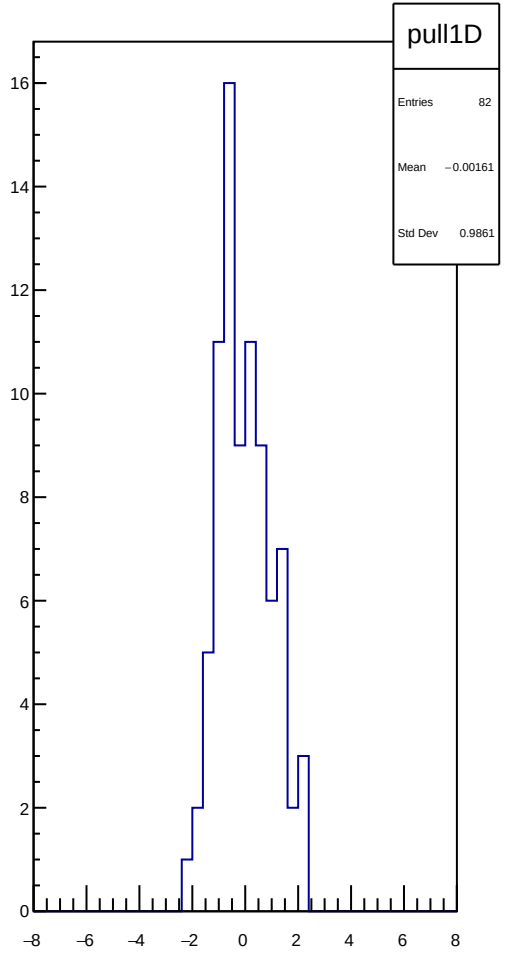

asym_sam_48_avg_rms vs run
χ² / ndf 4788 / 81
p0 992.9 ± 0.7953
1150
1100
1050
1000
950
900

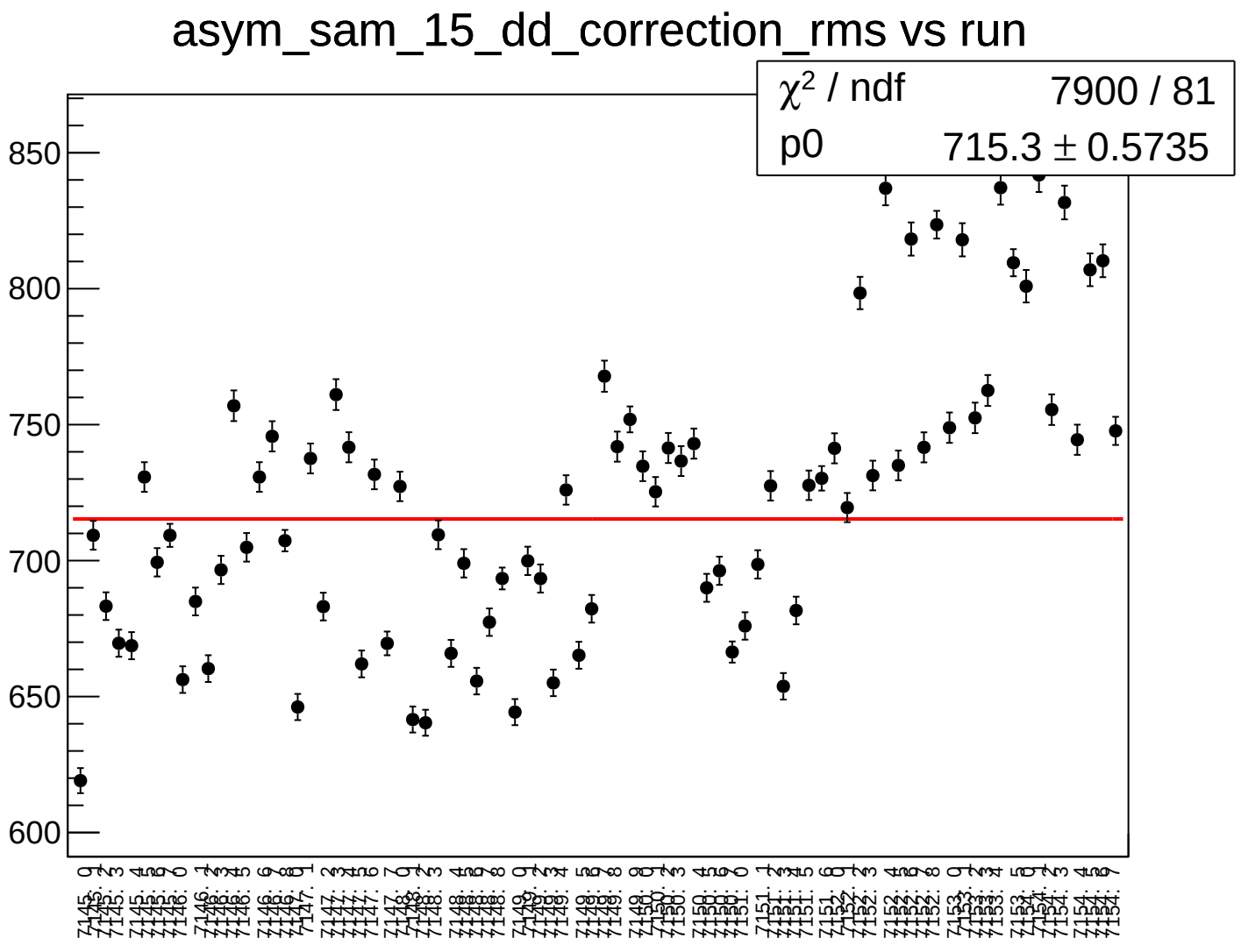

dit_asym_sam_15_dd_mean vs run
χ² / ndf 102.7 / 81
p0 −139.7 ± 131.3
pull
Entries 82
Mean 1242
Std Dev 1213

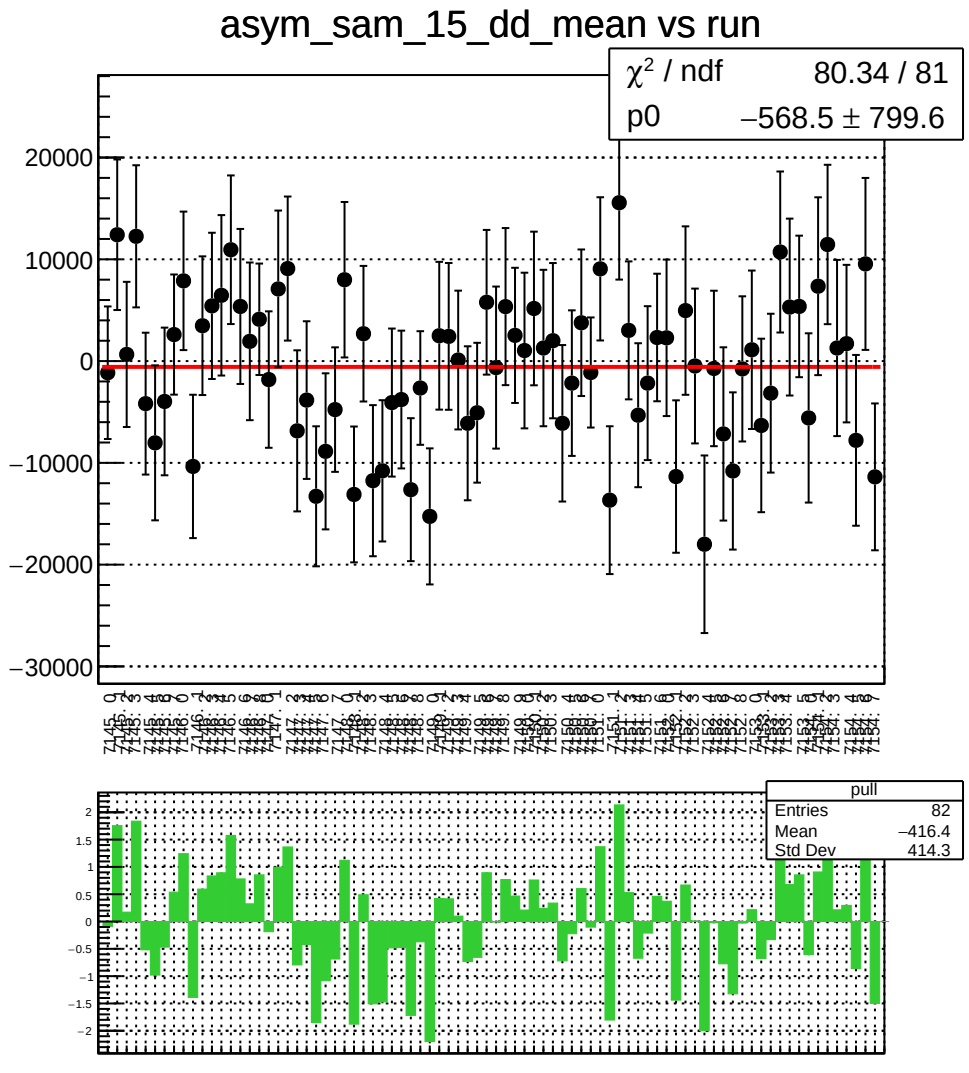

pull1D
Entries 82
Mean 0.001531
Std Dev 1.119

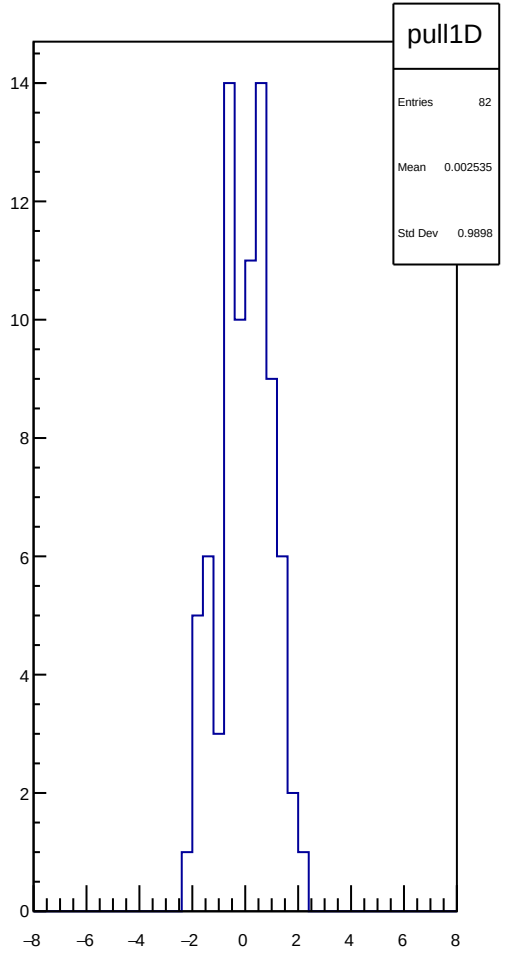

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 331.5 / 81
p0 116.1 ± 0.09287
122
120
118
116
114
112

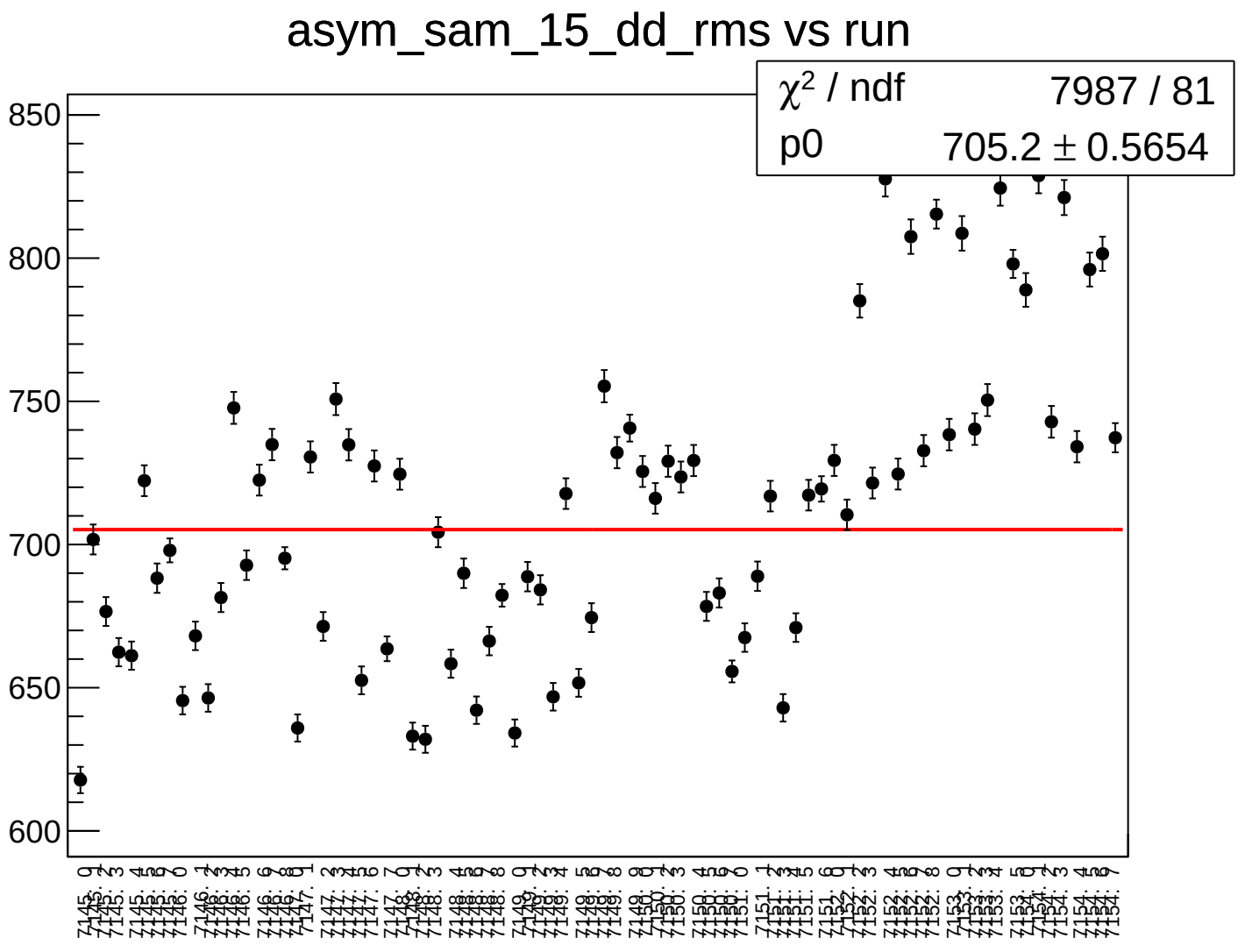

asym_sam_15_dd_correction_mean vs run
χ² / ndf 79.74 / 81
p0 419.5 ± 811
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −860.4
Std Dev 866.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

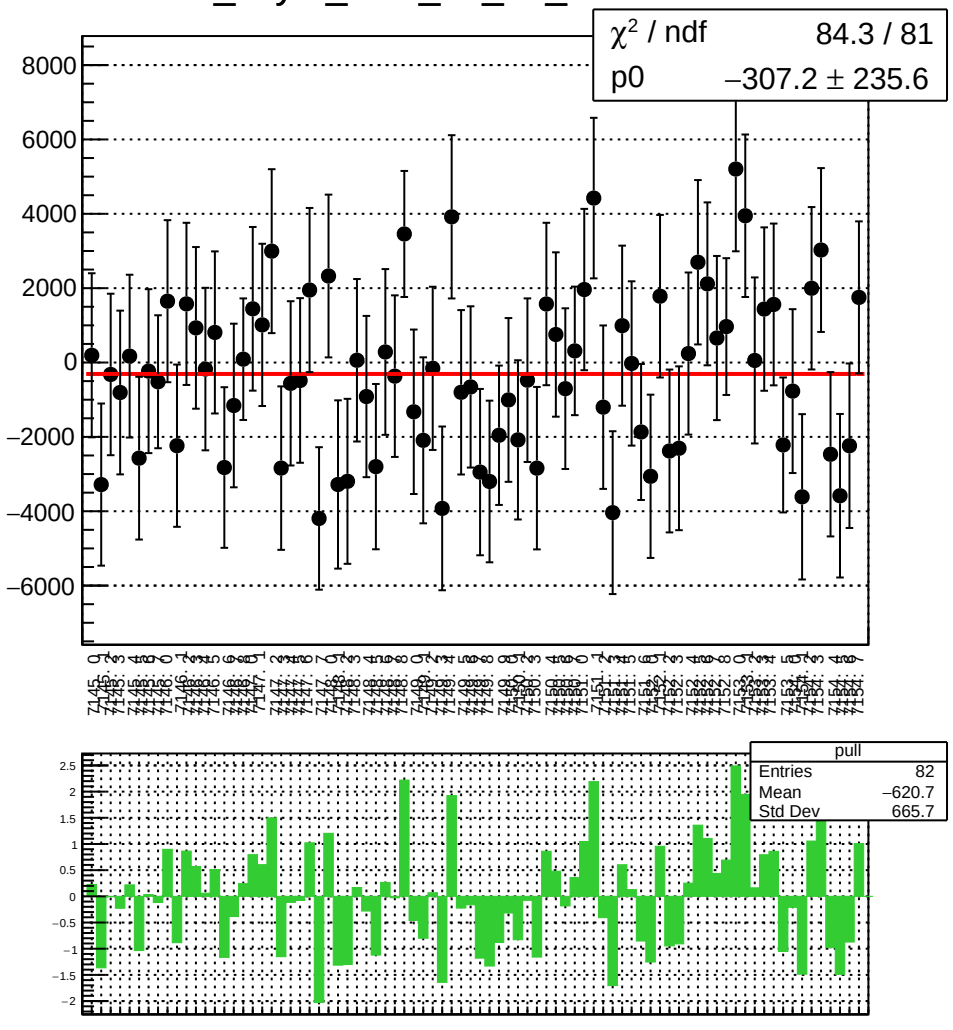

pull1D
Entries 82
Mean −0.00161
Std Dev 0.9861
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

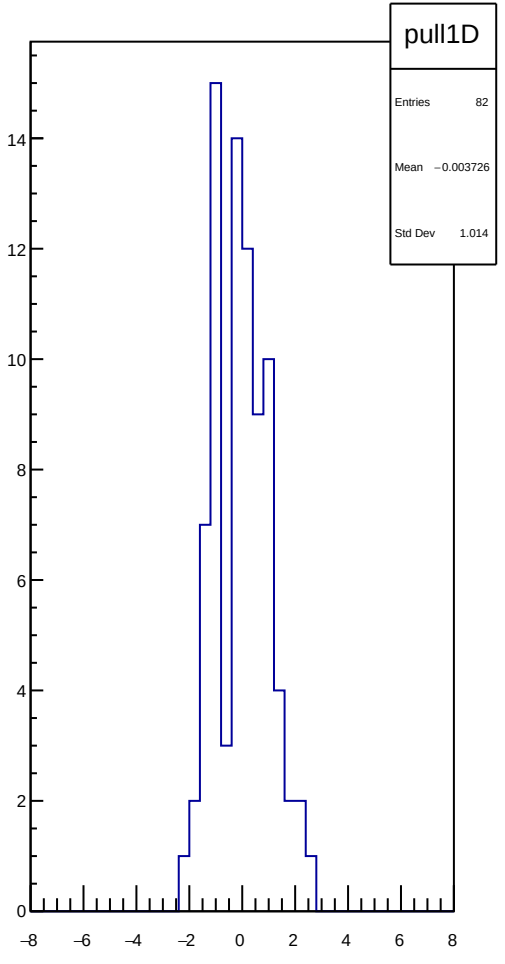

asym_sam_15_dd_correction_rms vs run
χ² / ndf 7900 / 81
p0 715.3 ± 0.5735
850
800
750
700
650
600

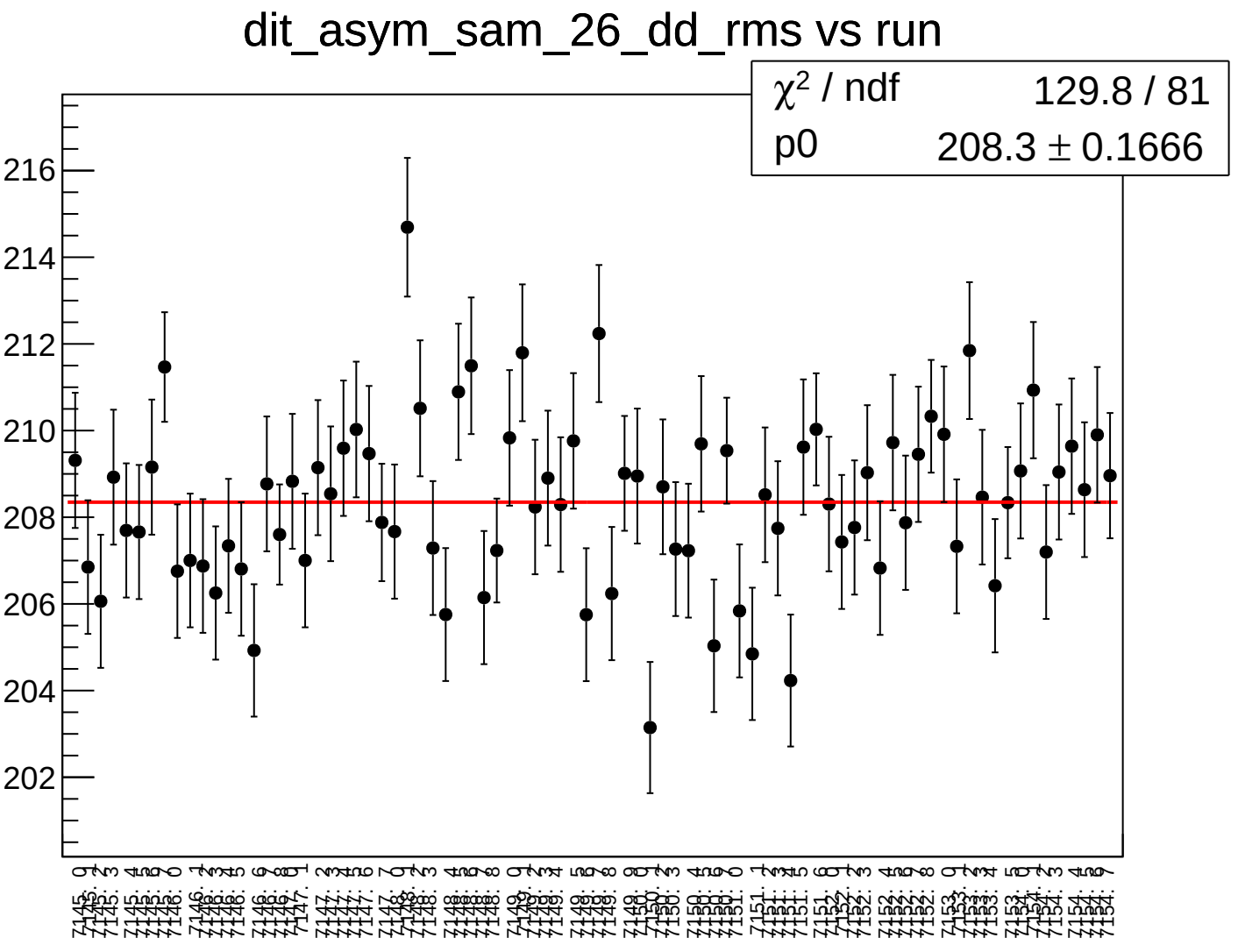

asym_sam_15_dd_mean vs run
χ² / ndf 80.34 / 81
p0 −568.5 ± 799.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −416.4
Std Dev 414.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

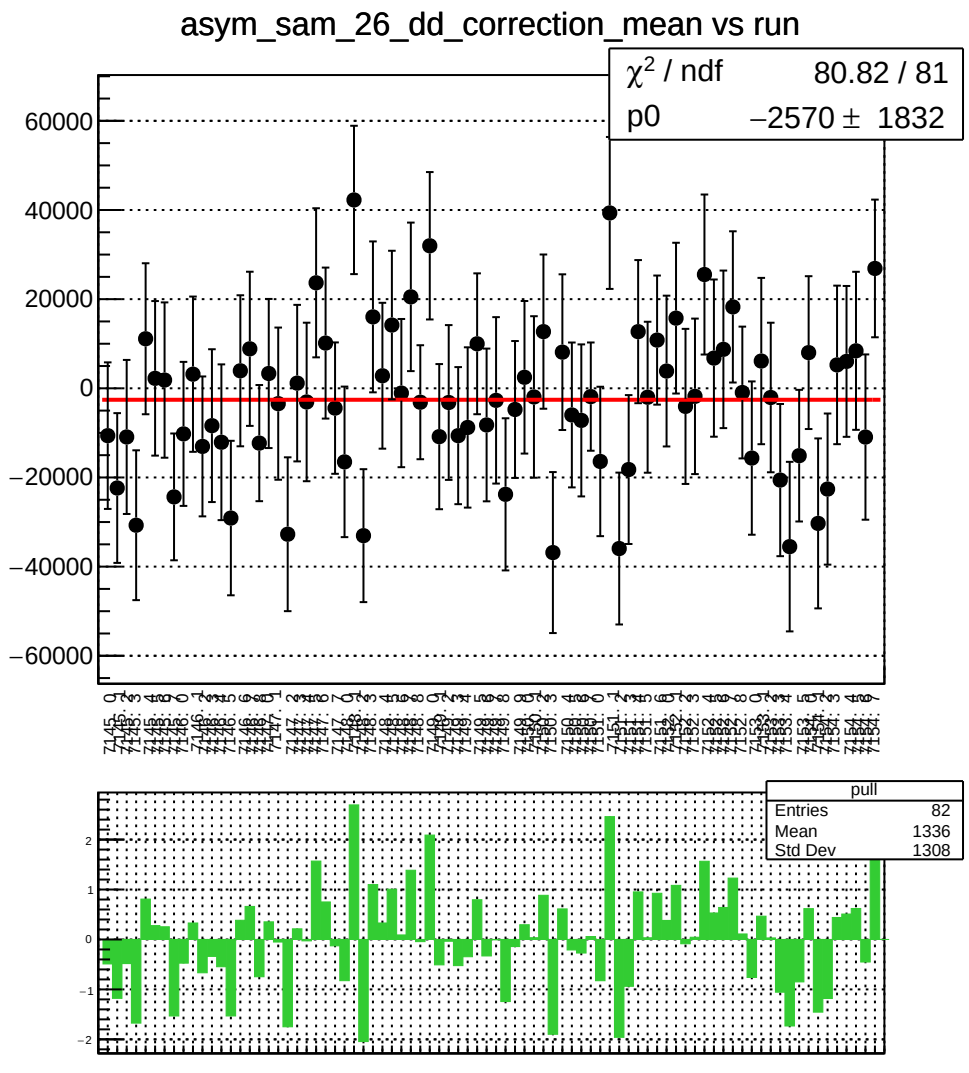

pull1D
Entries 82
Mean 0.002535
Std Dev 0.9898
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

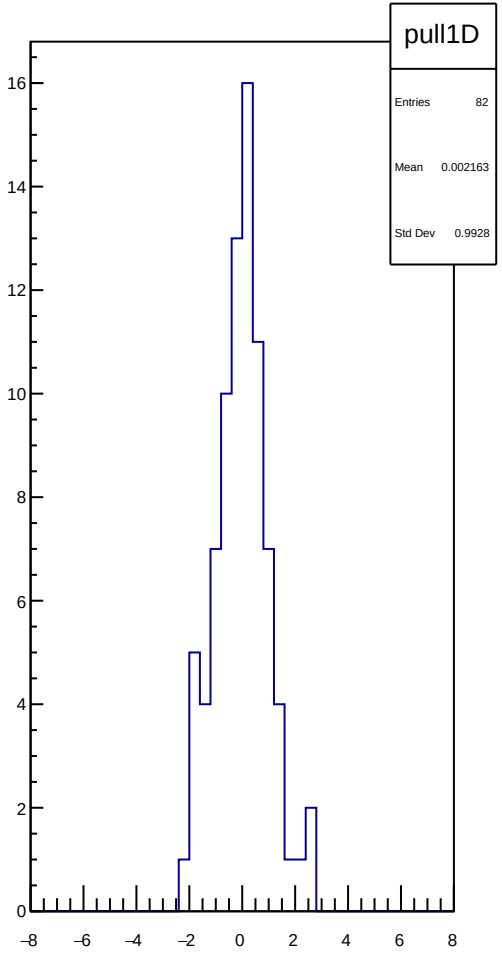

asym_sam_15_dd_rms vs run
χ² / ndf 7987 / 81
p0 705.2 ± 0.5654
850
800
750
700
650
600

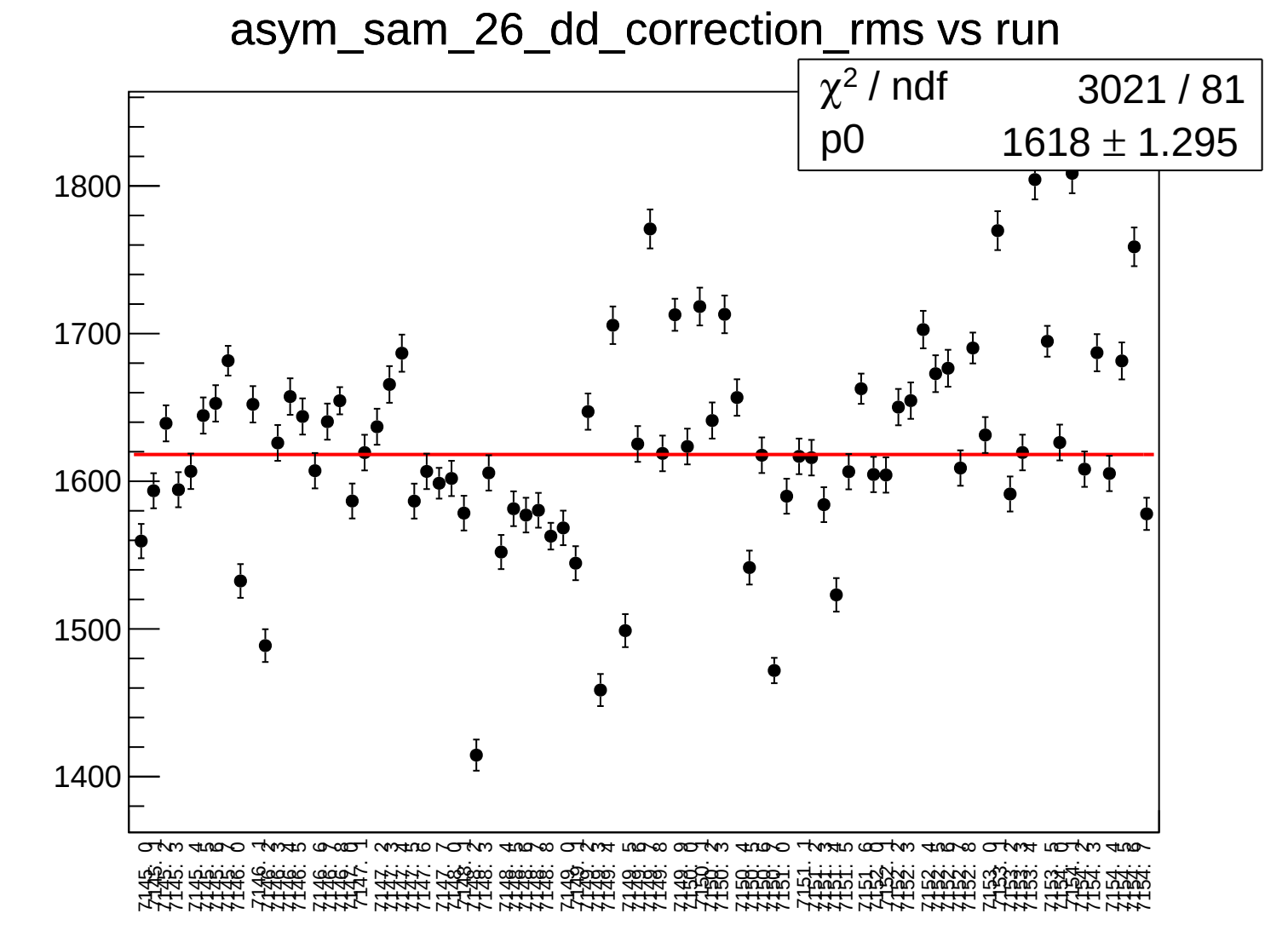

dit_asym_sam_26_dd_mean vs run
χ² / ndf 84.3 / 81
p0 −307.2 ± 235.6
pull
Entries 82
Mean −620.7
Std Dev 665.7

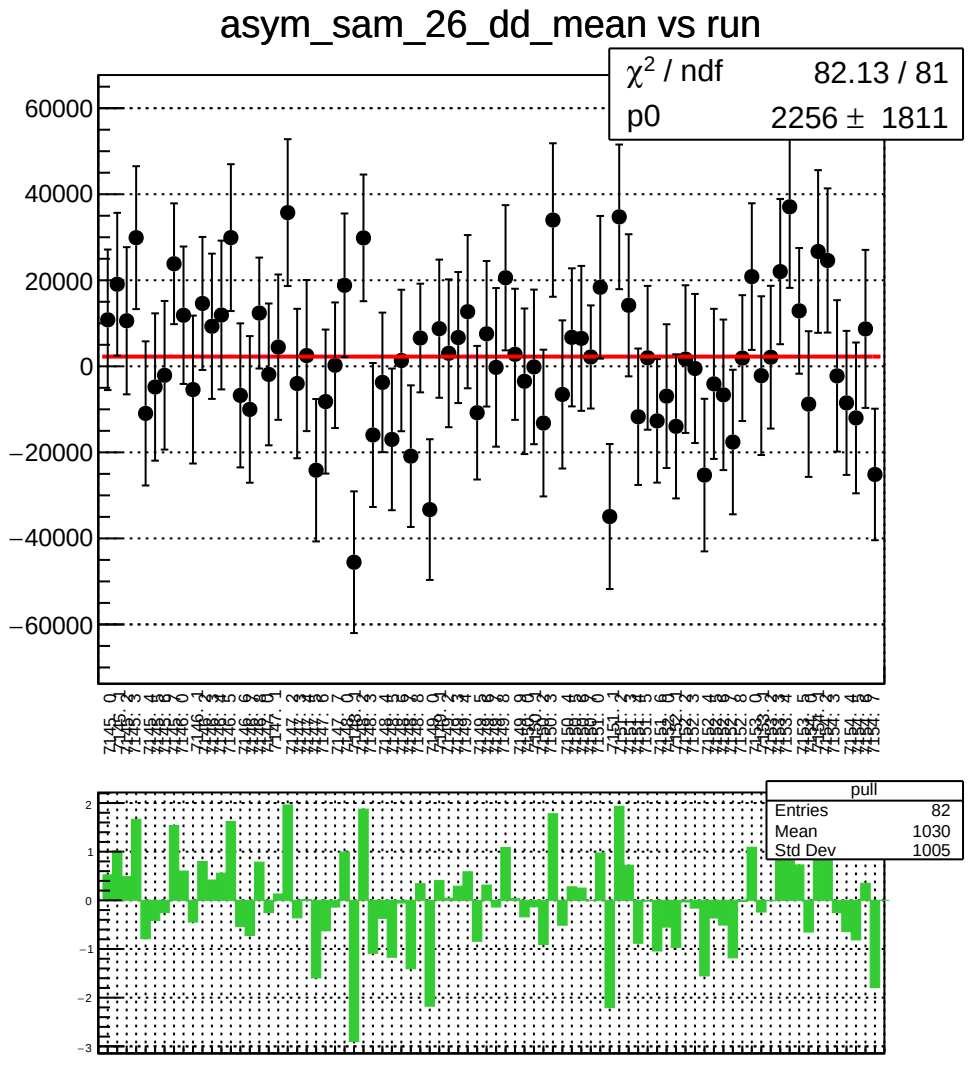

pull1D
Entries 82
Mean −0.003726
Std Dev 1.014

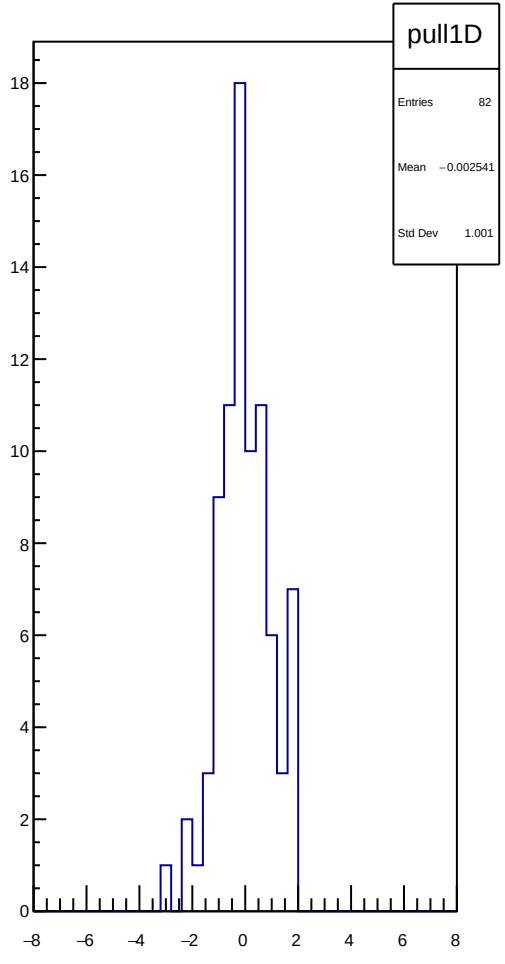

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 129.8 / 81
p0 208.3 ± 0.1666
216
214
212
210
208
206
204
202

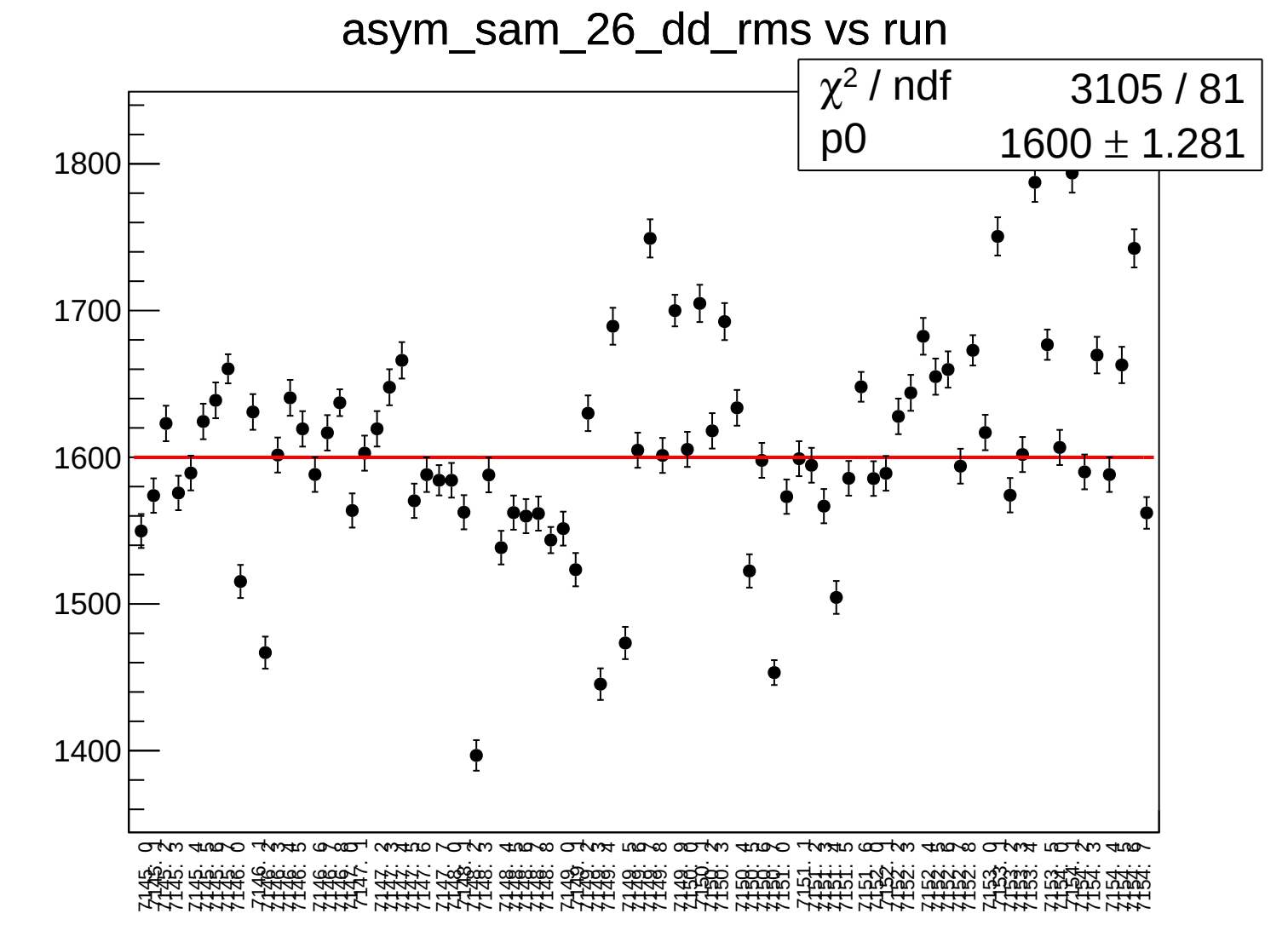

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.82 / 81
p0 −2570 ± 1832
pull
Entries 82
Mean 1336
Std Dev 1308

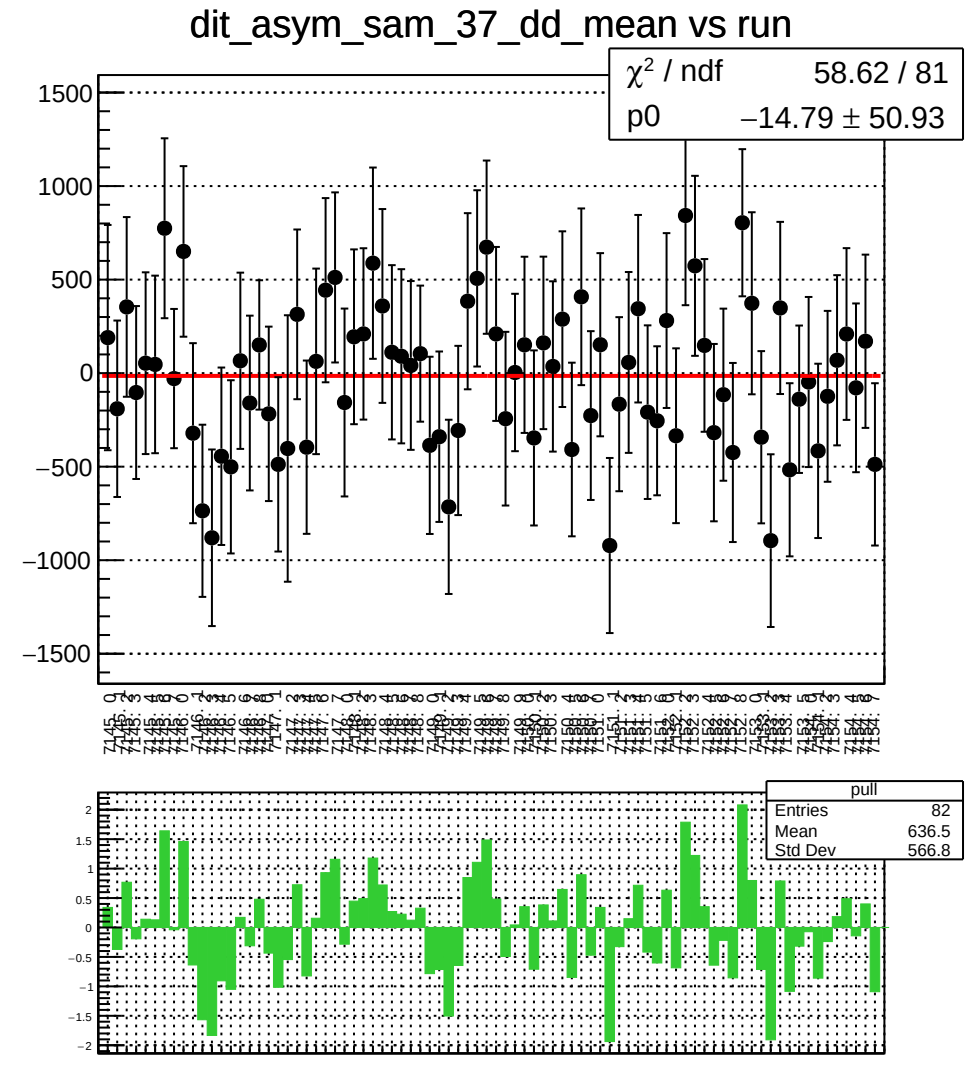

pull1D
Entries 82
Mean 0.002163
Std Dev 0.9928

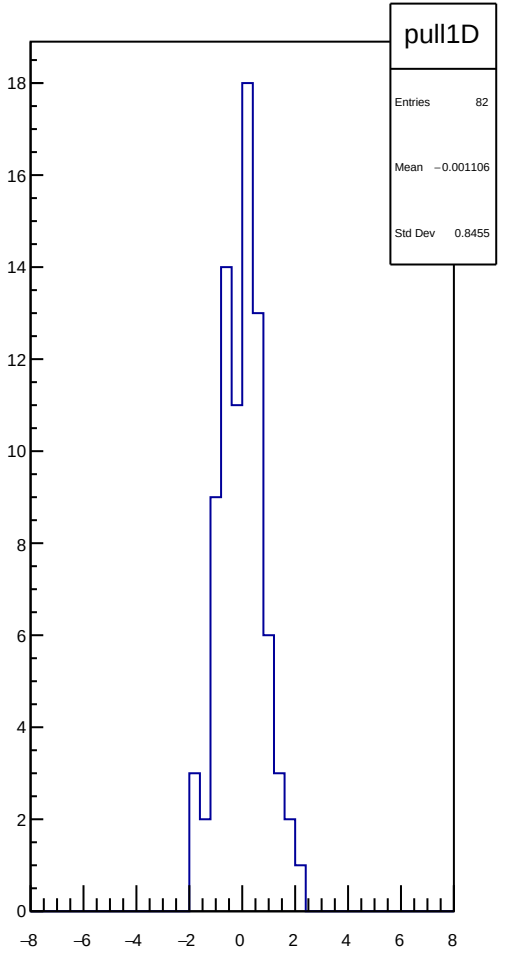

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3021 / 81
p0 1618 ± 1.295
1800
1700
1600
1500
1400

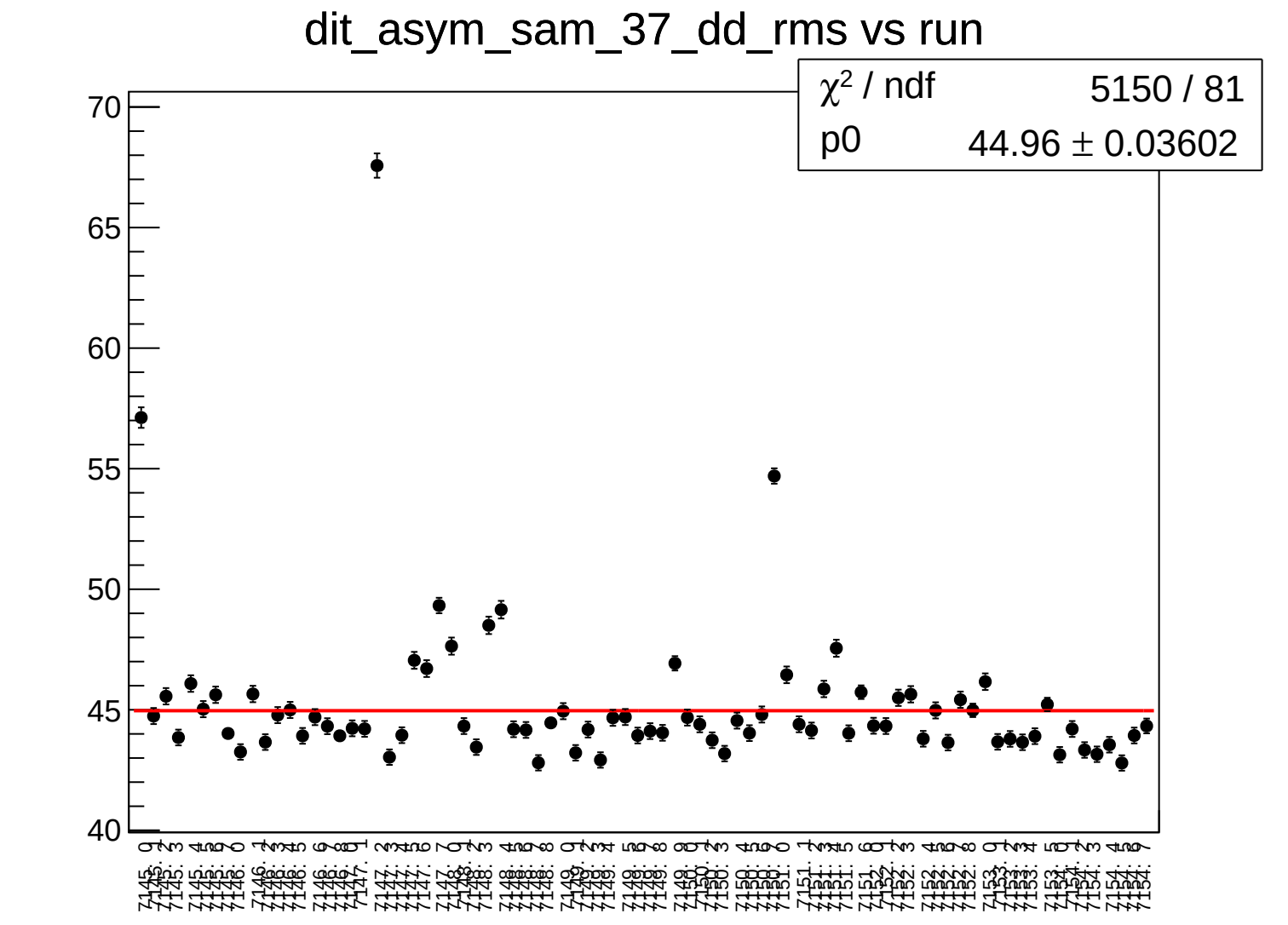

asym_sam_26_dd_mean vs run
χ² / ndf 82.13 / 81
p0 2256 ± 1811
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 1030
Std Dev 1005
2
1
0
−1
−2
−3

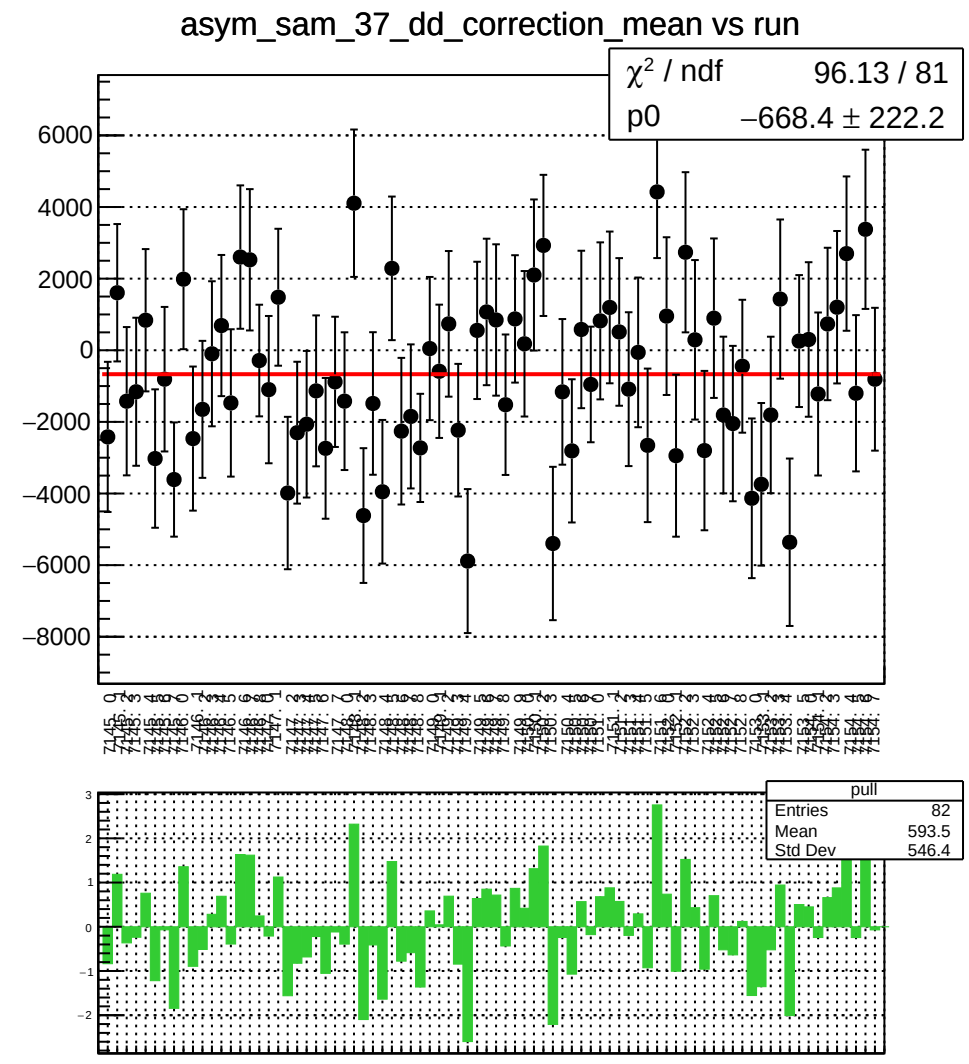

pull1D
Entries 82
Mean −0.002541
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

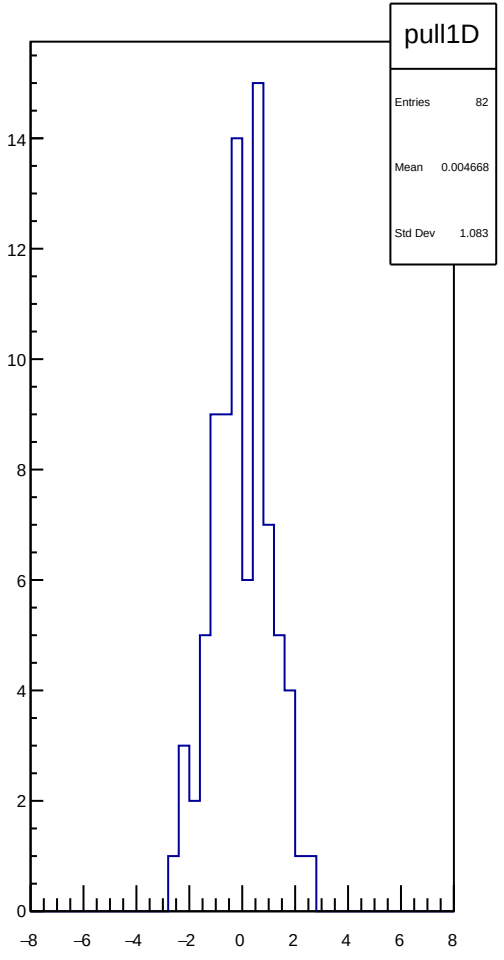

asym_sam_26_dd_rms vs run
χ² / ndf 3105 / 81
p0 1600 ± 1.281
1800
1700
1600
1500
1400

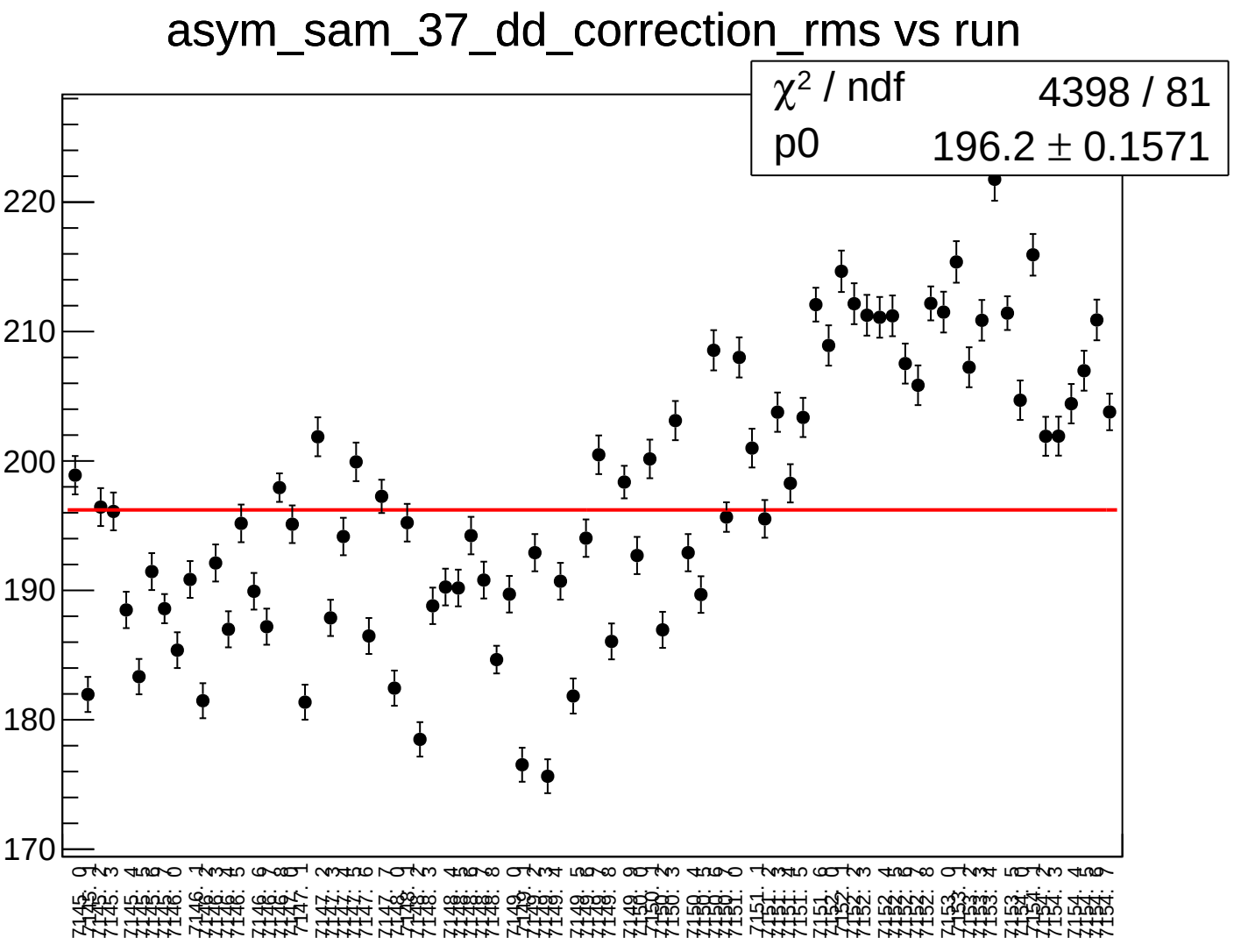

dit_asym_sam_37_dd_mean vs run
χ² / ndf 58.62 / 81
p0 −14.79 ± 50.93
pull
Entries 82
Mean 636.5
Std Dev 566.8

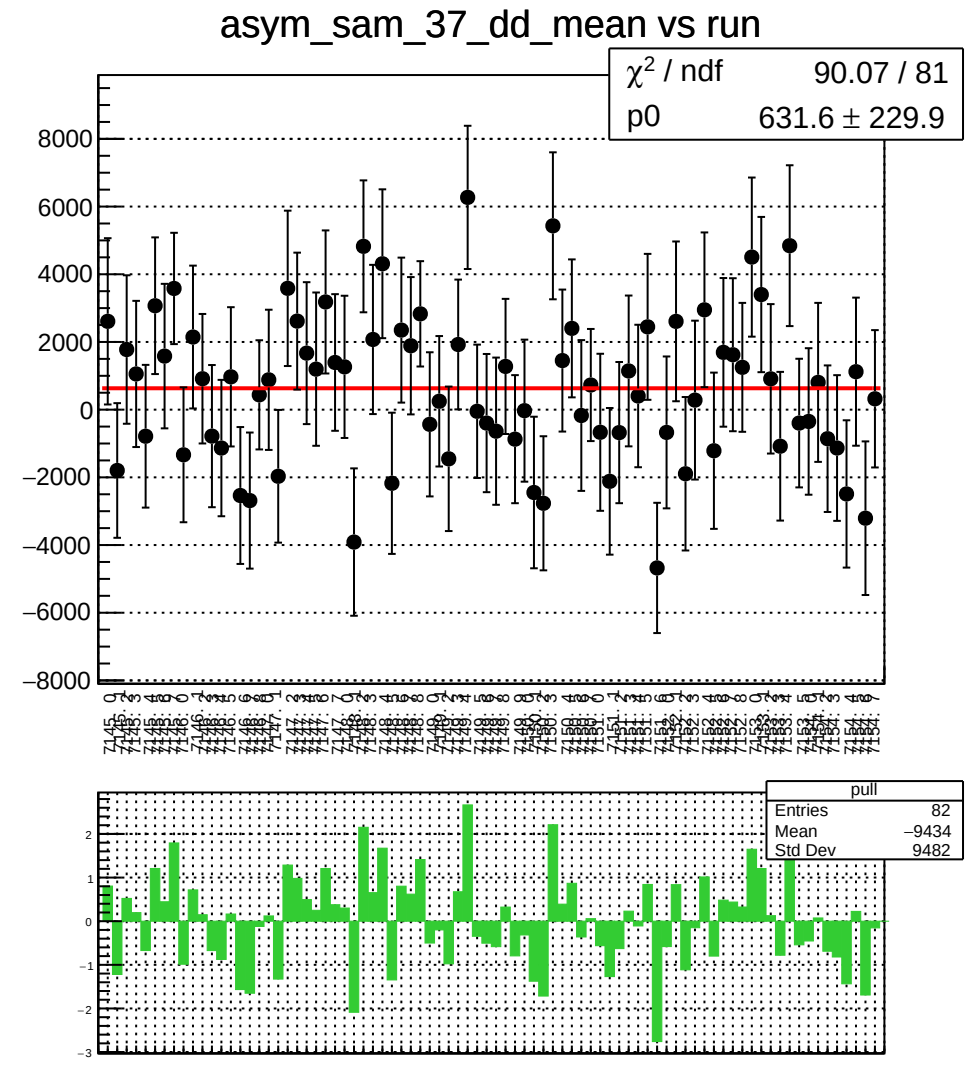

pull1D
Entries 82
Mean −0.001106
Std Dev 0.8455

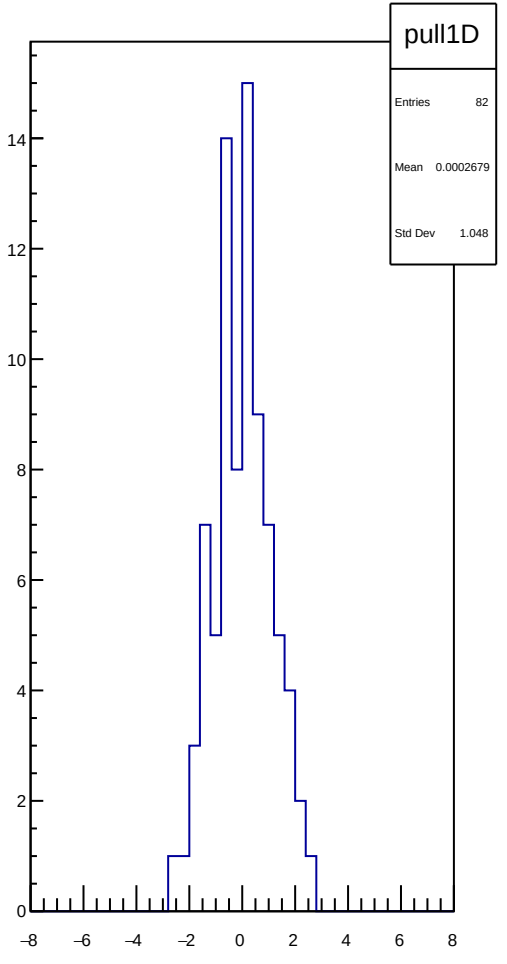

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5150 / 81
p0 44.96 ± 0.03602
70
65
60
55
50
45
40

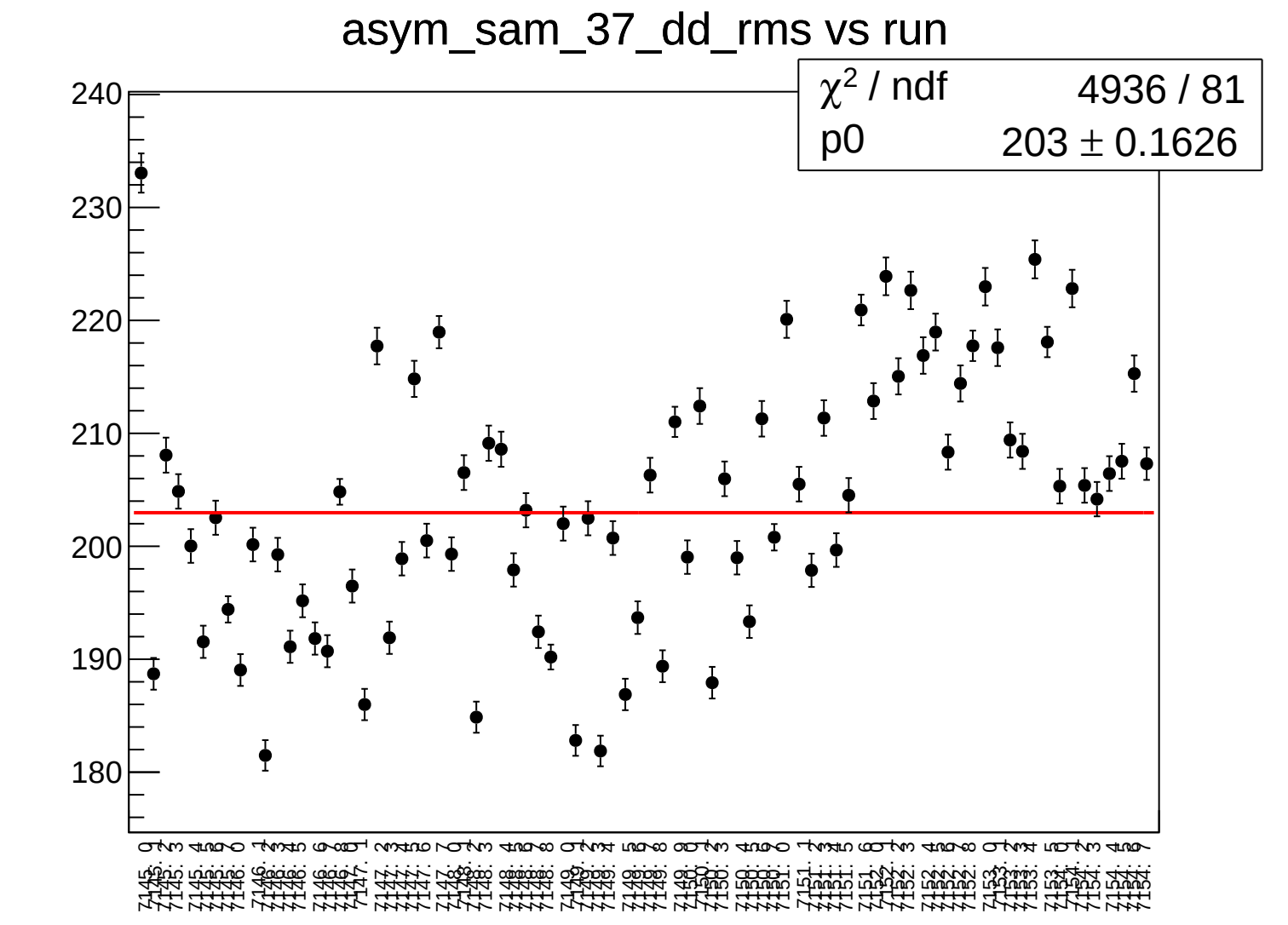

asym_sam_37_dd_correction_mean vs run
χ² / ndf 96.13 / 81
p0 −668.4 ± 222.2
pull
Entries 82
Mean 593.5
Std Dev 546.4

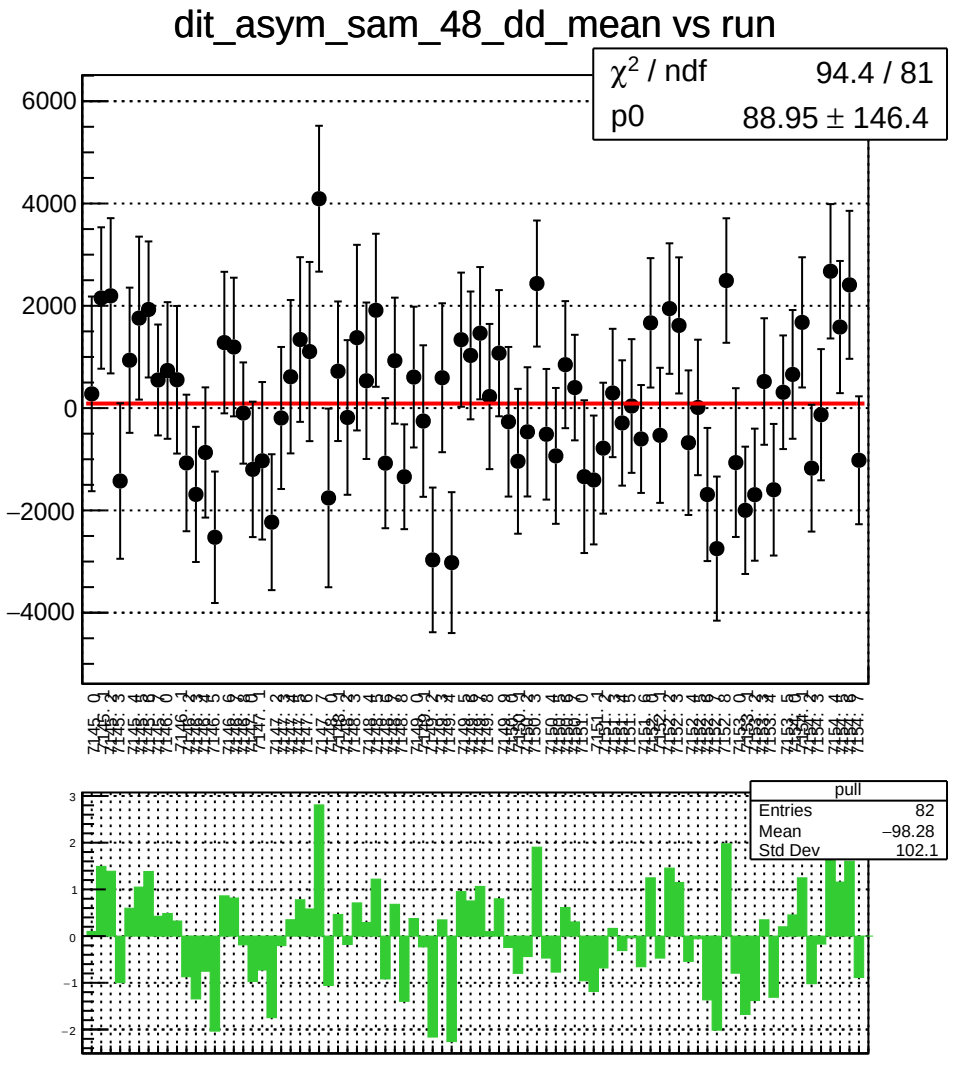

pull1D
Entries 82
Mean 0.004668
Std Dev 1.083

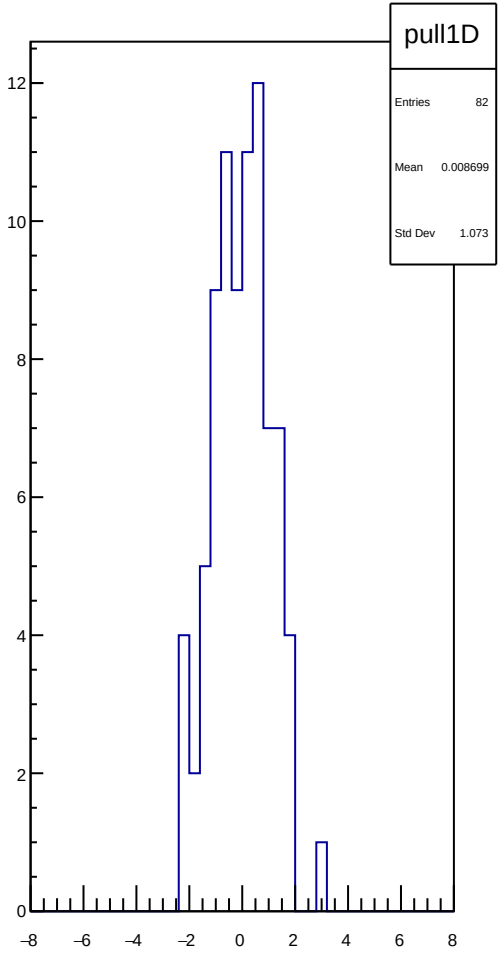

asym_sam_37_dd_correction_rms vs run
χ² / ndf 4398 / 81
p0 196.2 ± 0.1571
220
210
200
190
180
170

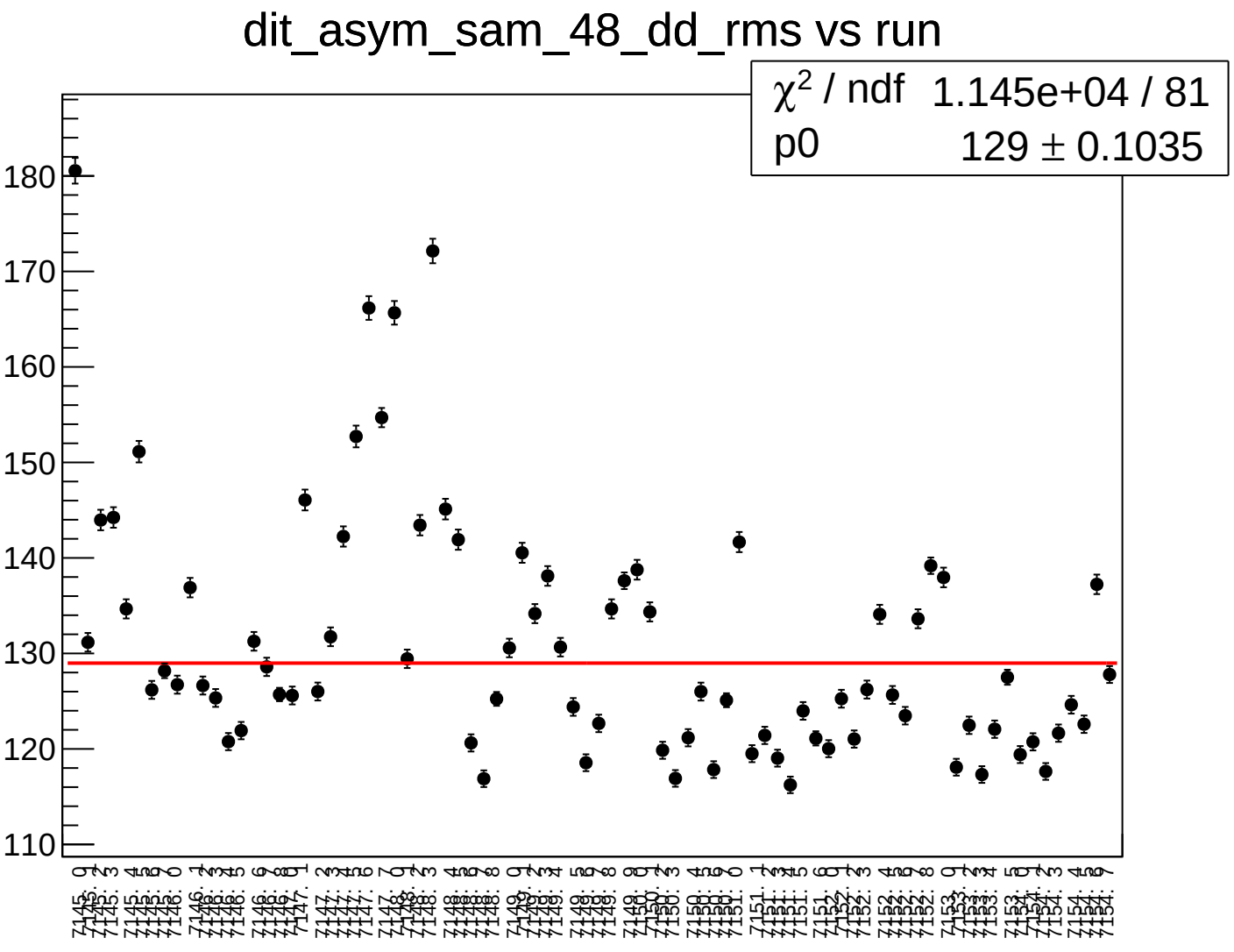

asym_sam_37_dd_mean vs run
χ² / ndf 90.07 / 81
p0 631.6 ± 229.9
pull
Entries 82
Mean −9434
Std Dev 9482

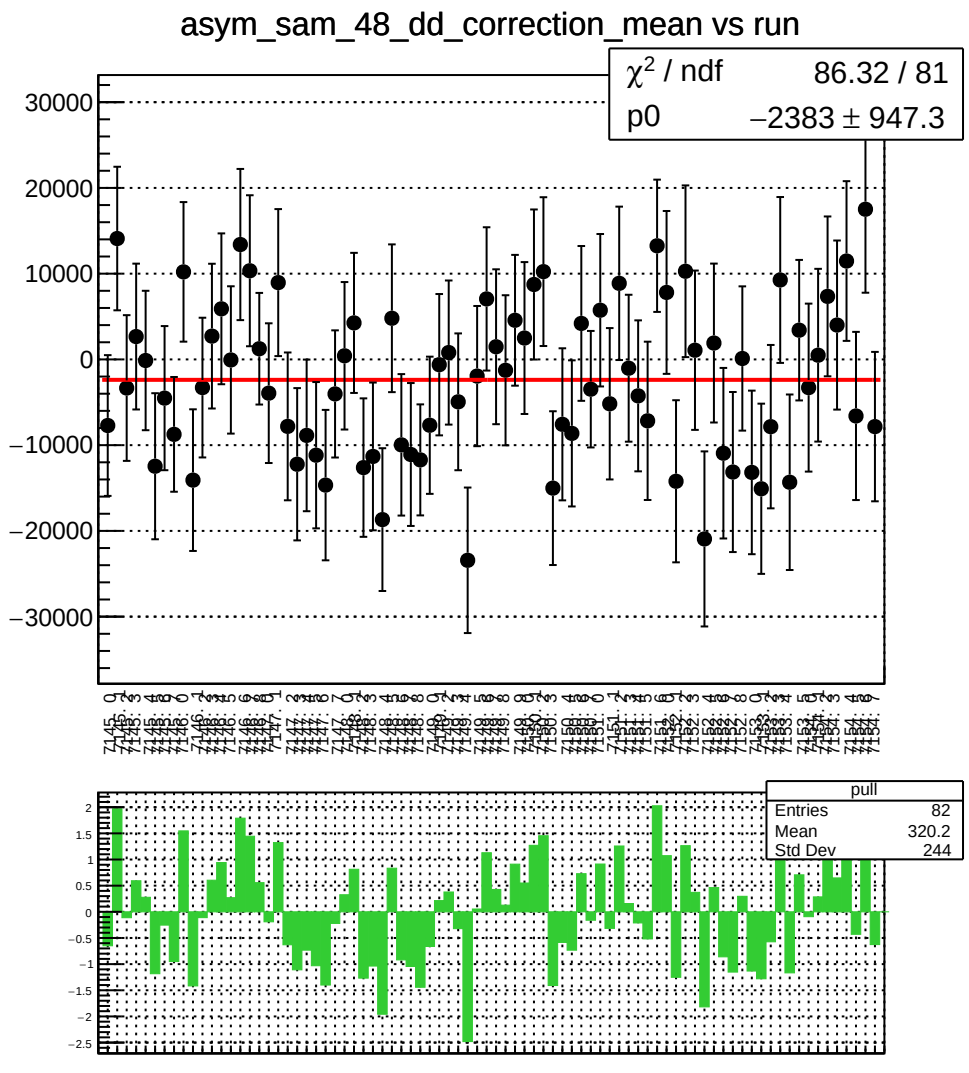

pull1D
Entries 82
Mean 0.0002679
Std Dev 1.048

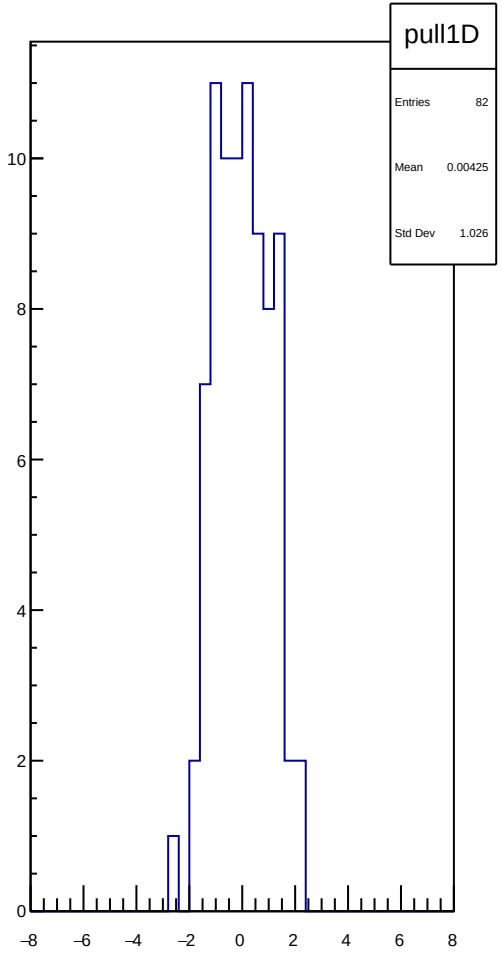

asym_sam_37_dd_rms vs run
χ² / ndf 4936 / 81
p0 203 ± 0.1626
240
230
220
210
200
190
180

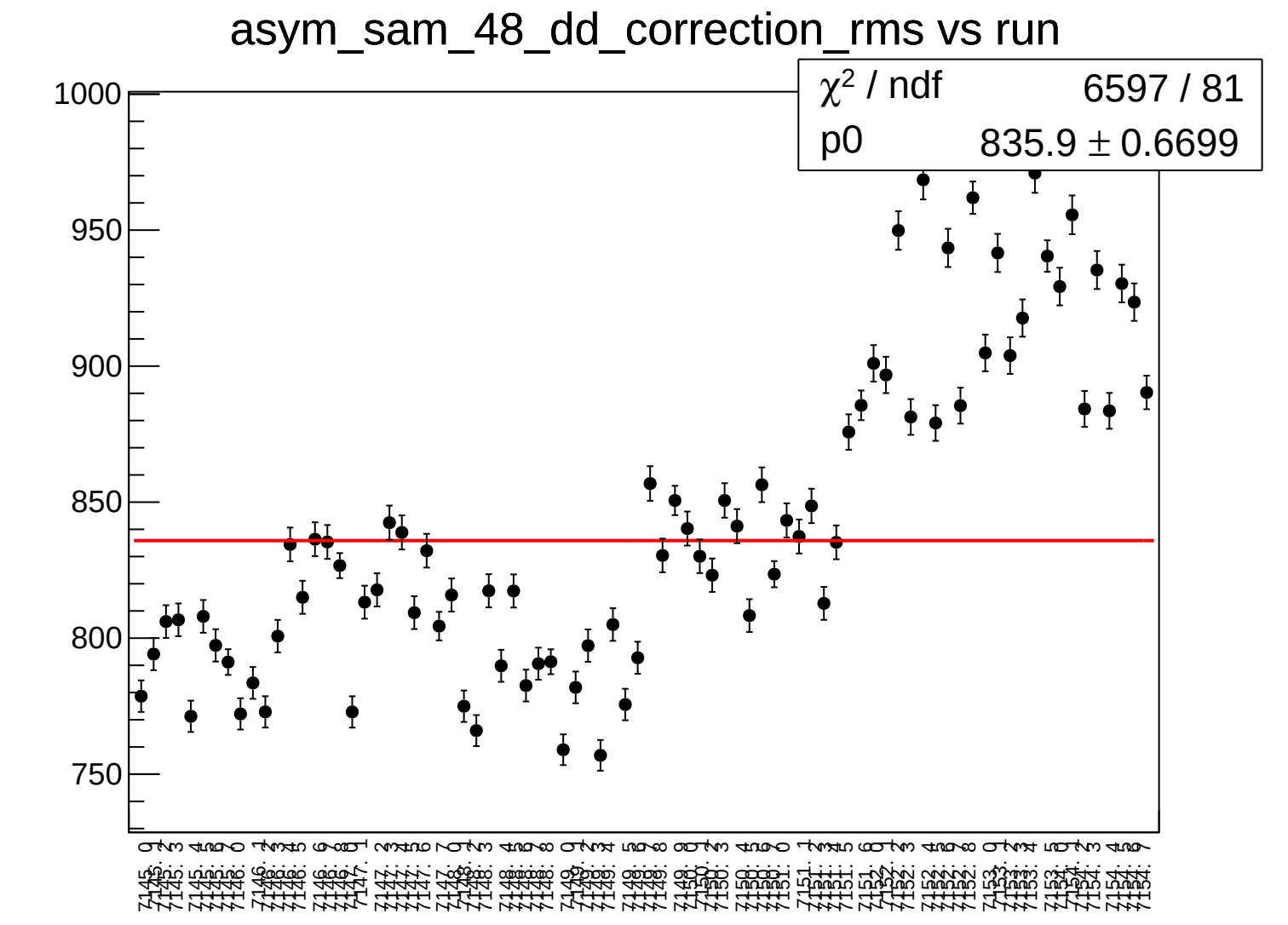

dit_asym_sam_48_dd_mean vs run
χ² / ndf 94.4 / 81
p0 88.95 ± 146.4
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean −98.28
Std Dev 102.1
3
2
1
0
−1
−2

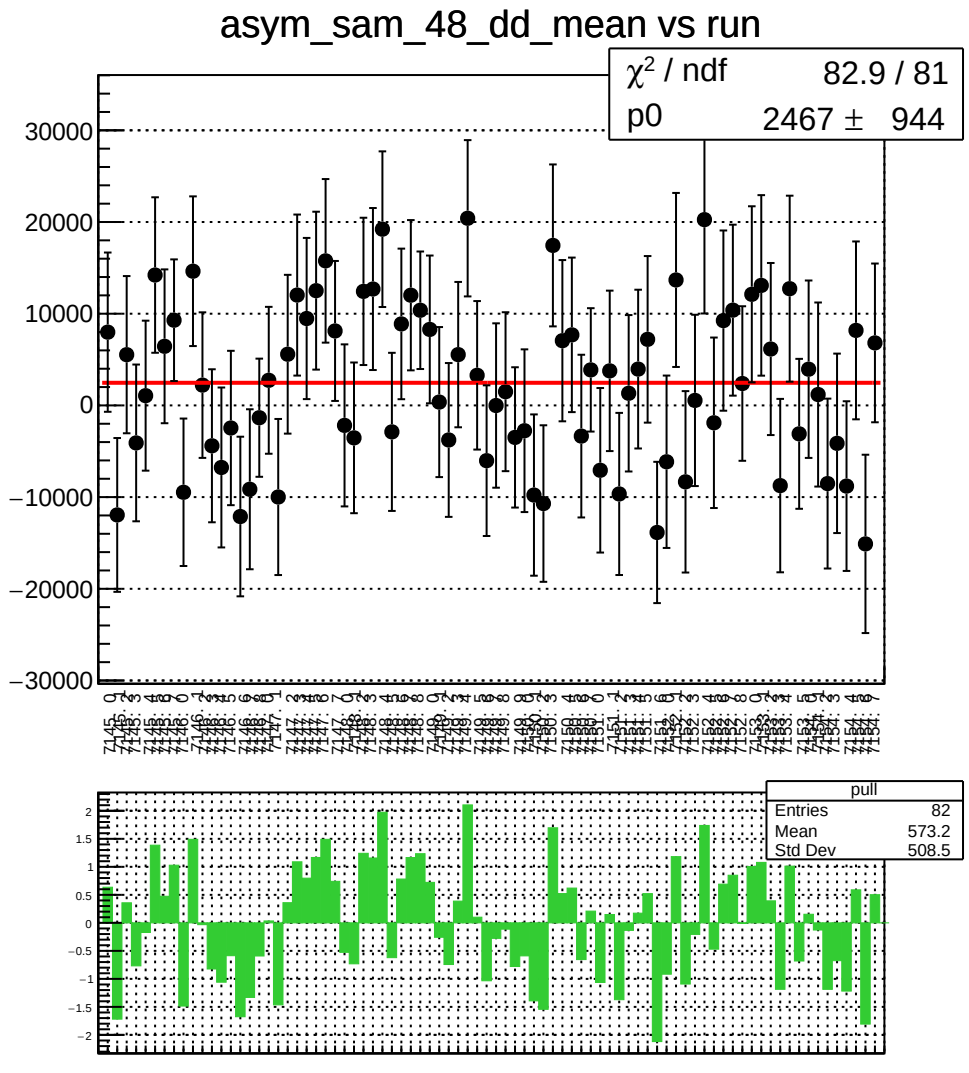

pull1D
Entries 82
Mean 0.008699
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

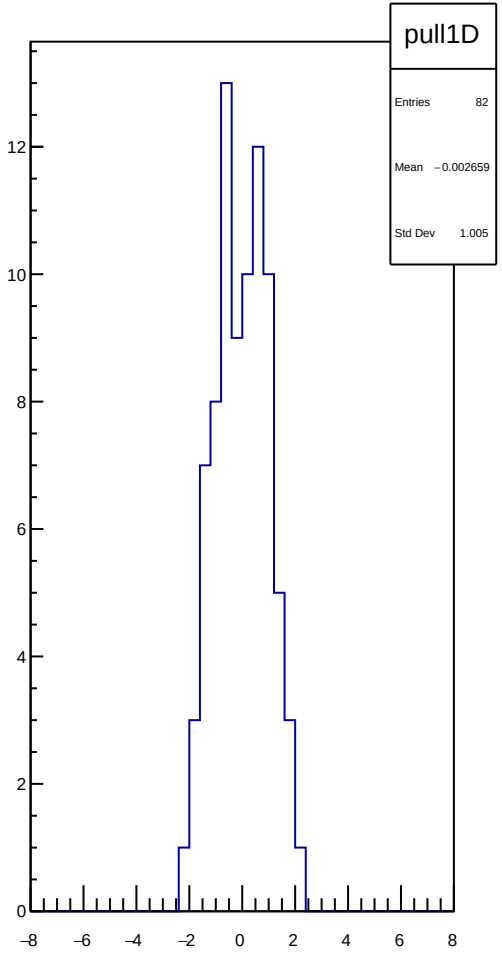

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.145e+04 / 81
p0 129 ± 0.1035
180
170
160
150
140
130
120
110

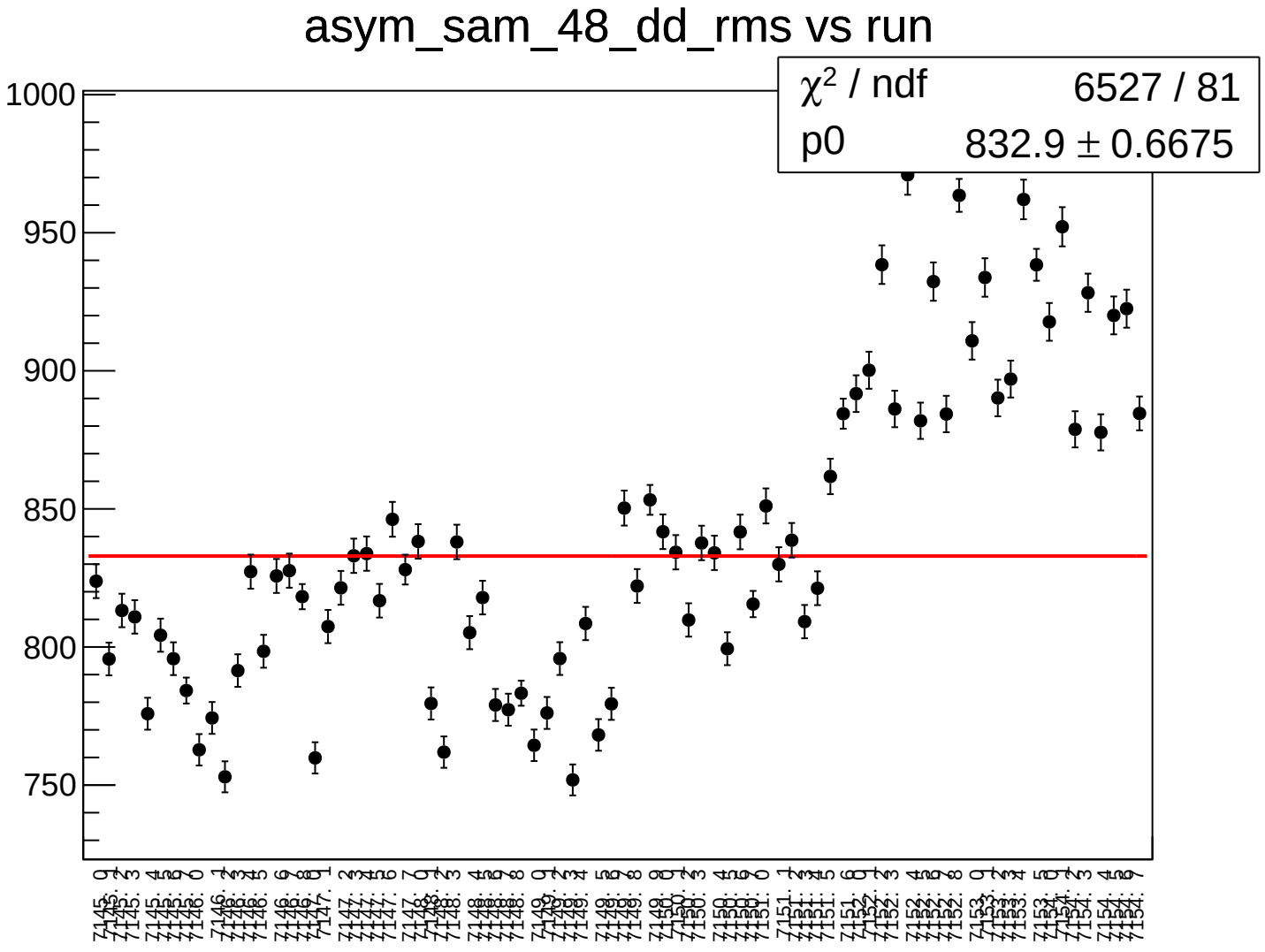

asym_sam_48_dd_correction_mean vs run
χ² / ndf 86.32 / 81
p0 −2383 ± 947.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 320.2
Std Dev 244
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

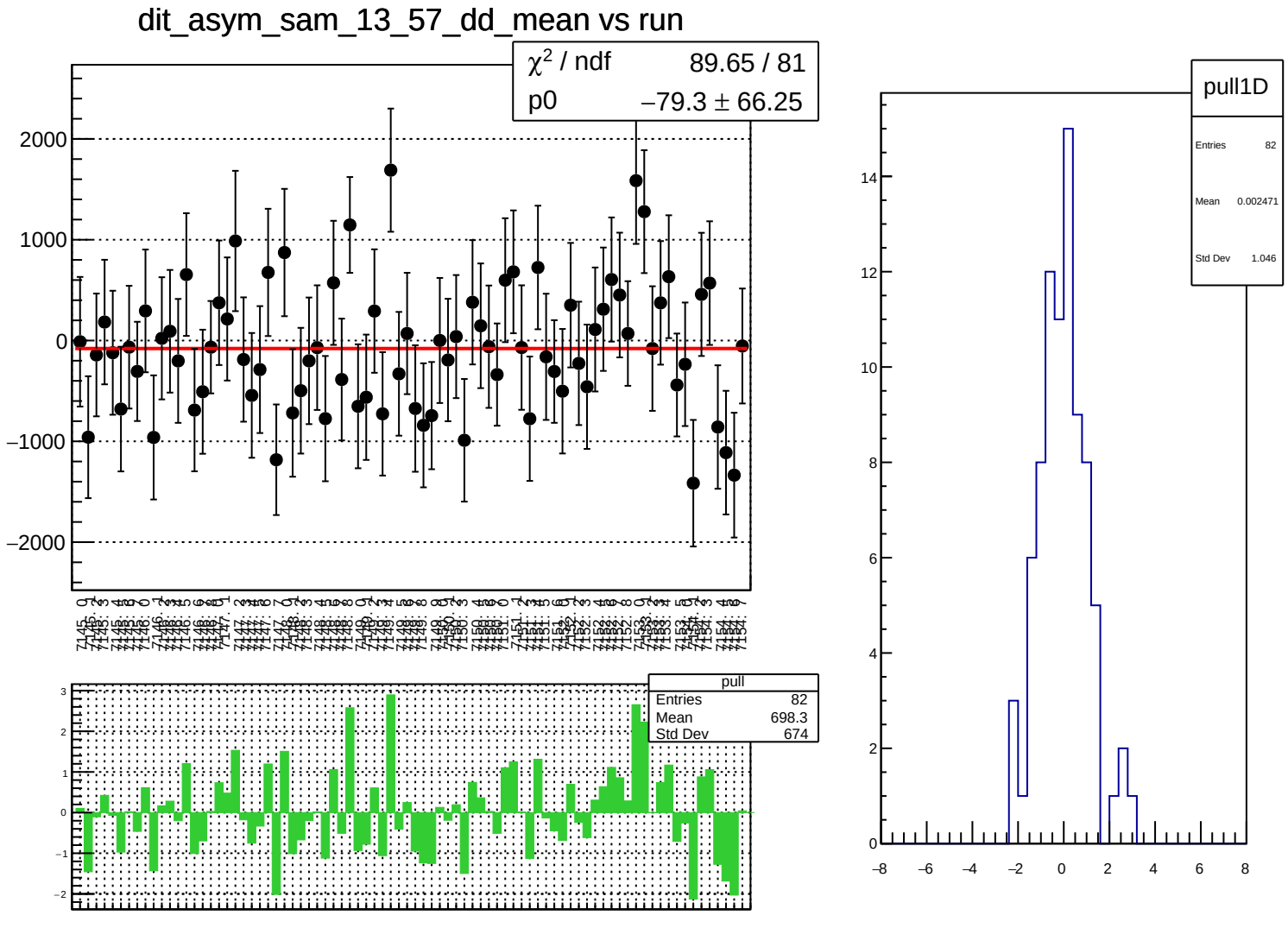

pull1D
Entries 82
Mean 0.00425
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

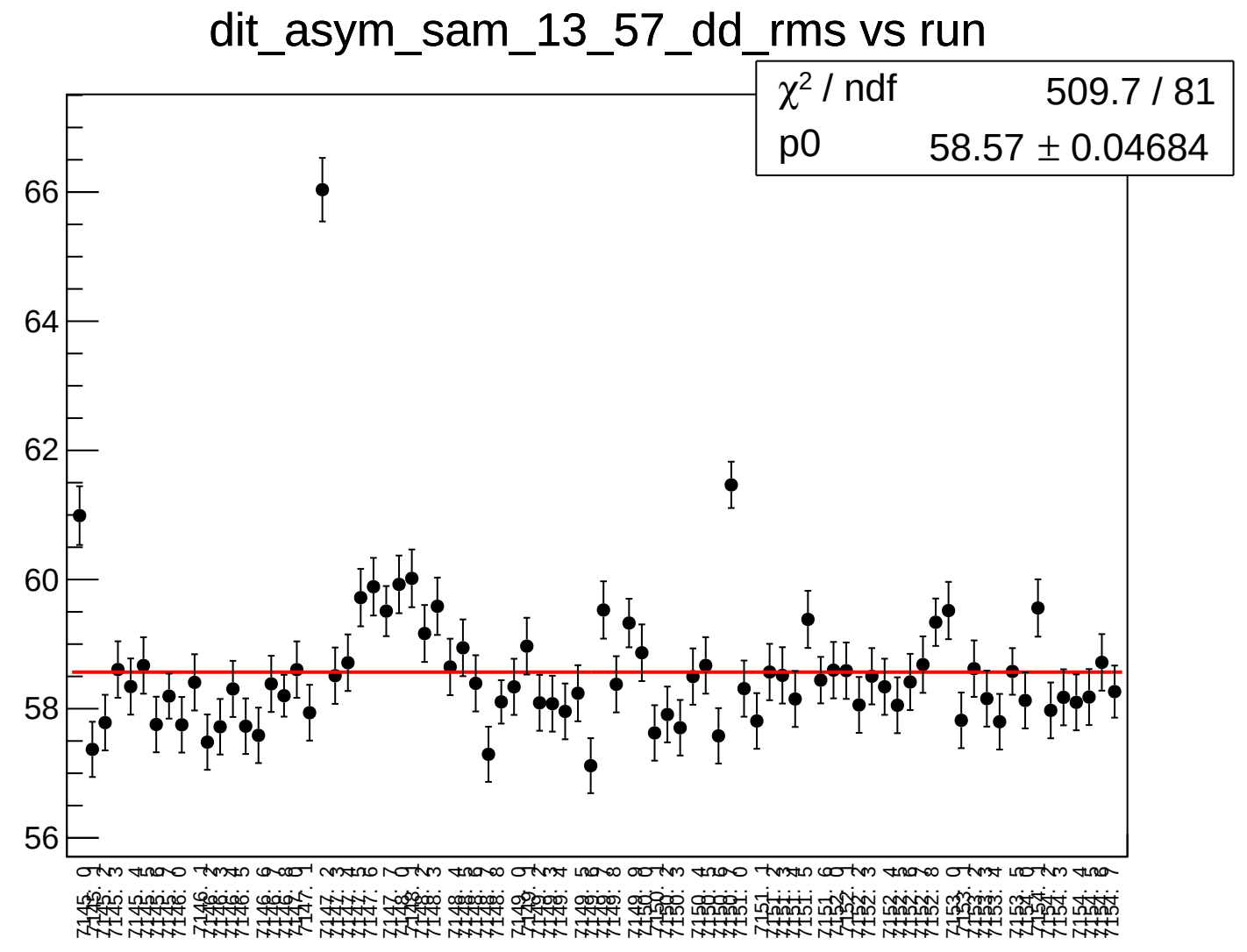

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6597 / 81
p0 835.9 ± 0.6699
1000
950
900
850
800
750

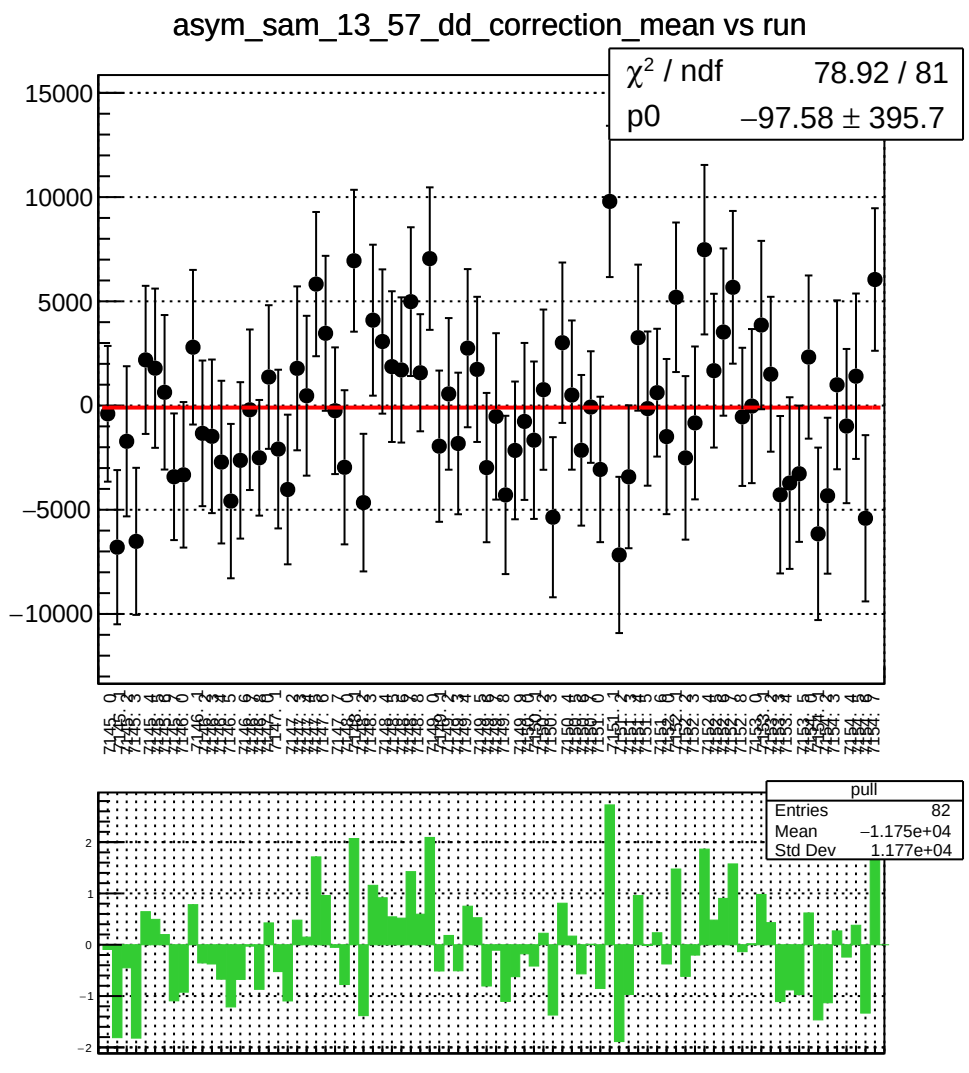

asym_sam_48_dd_mean vs run
χ² / ndf 82.9 / 81
p0 2467 ± 944
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 573.2
Std Dev 508.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

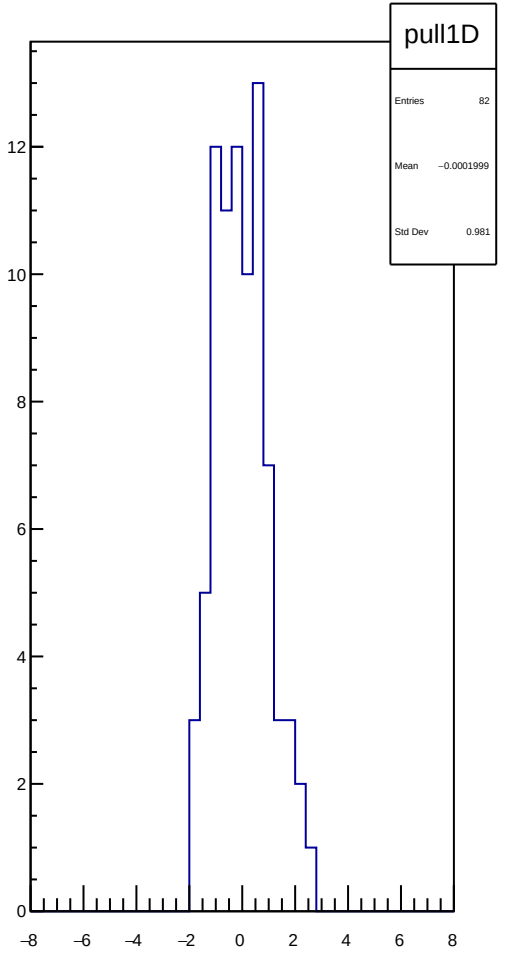

pull1D
Entries 82
Mean −0.002659
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

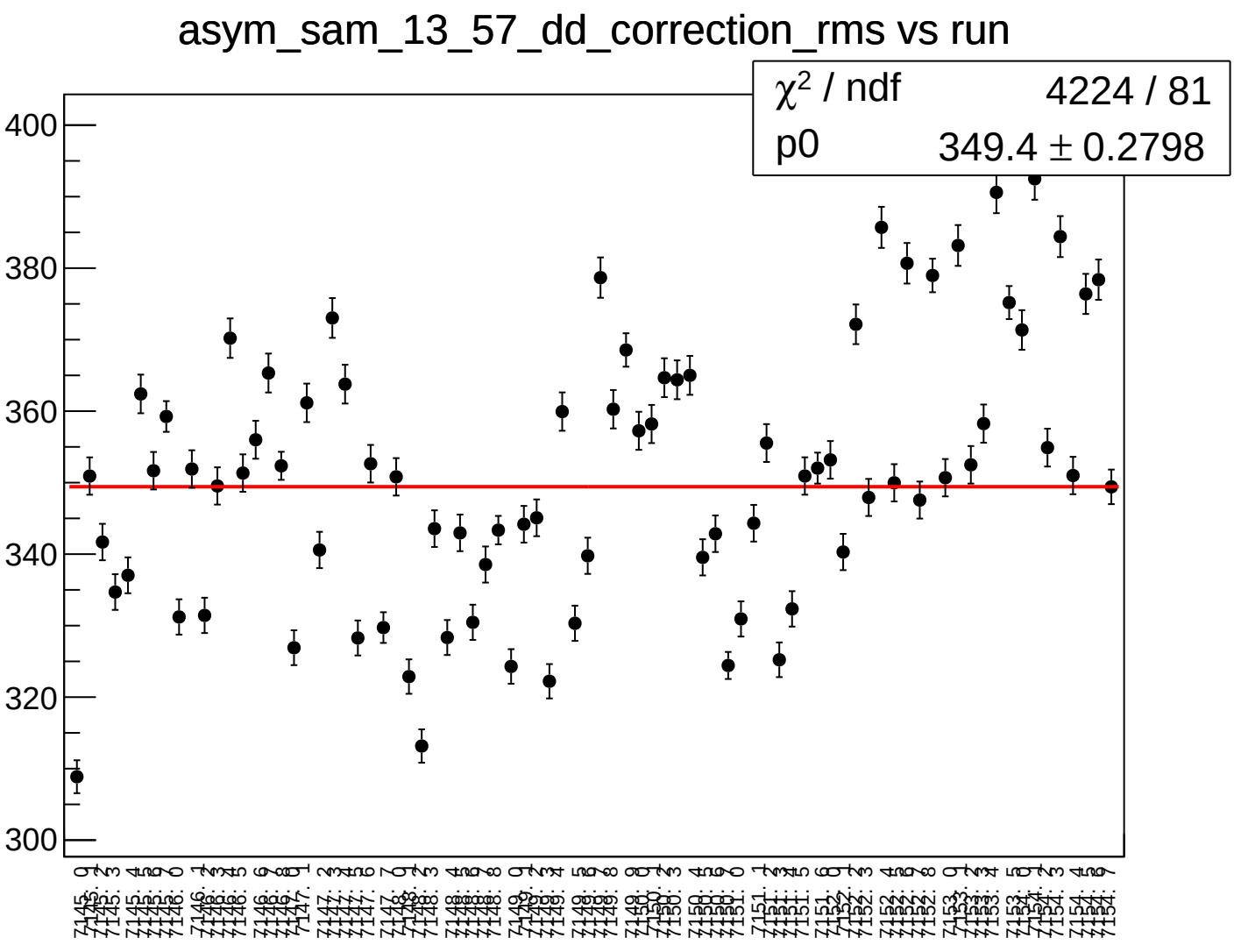

asym_sam_48_dd_rms vs run
χ² / ndf 6527 / 81
p0 832.9 ± 0.6675
1000
950
900
850
800
750

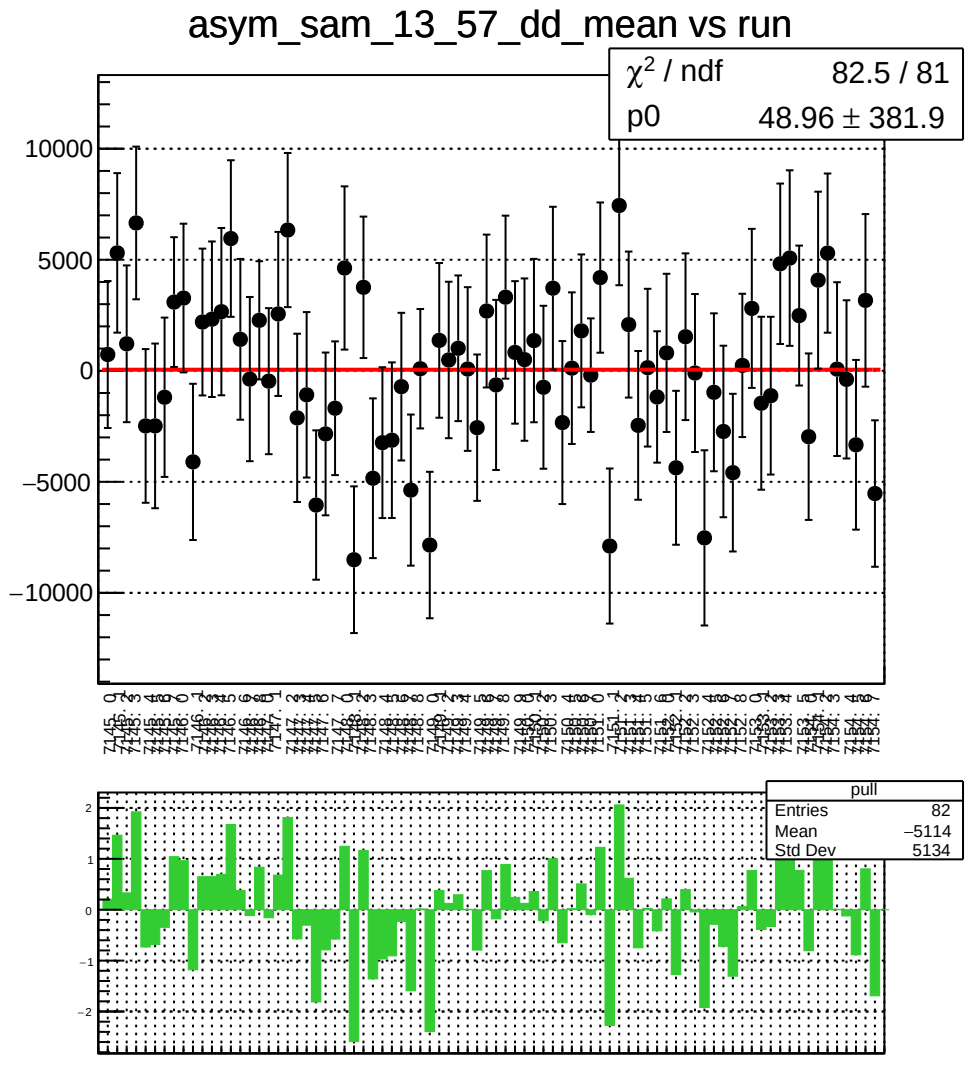

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 89.65 / 81
p0 −79.3 ± 66.25
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 698.3
Std Dev 674
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002471
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

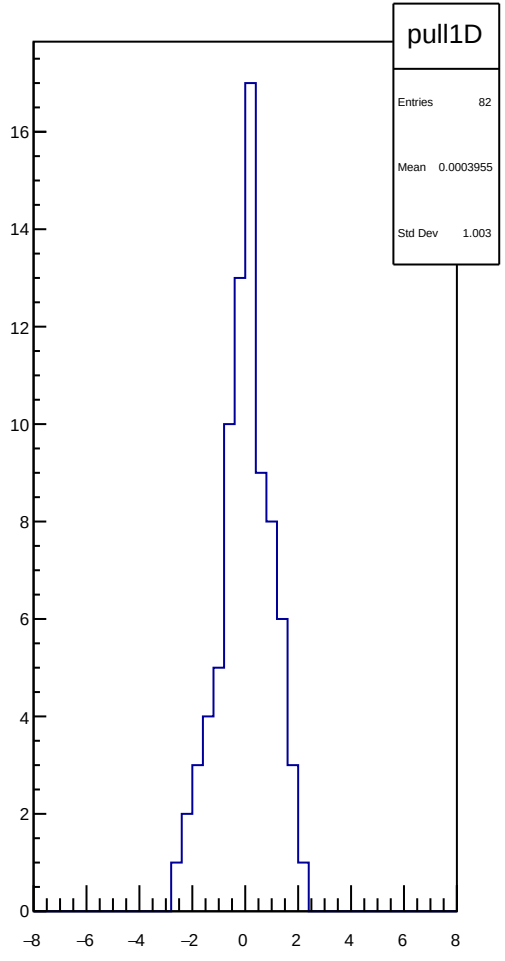

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 509.7 / 81
p0 58.57 ± 0.04684
66
64
62
60
58
56

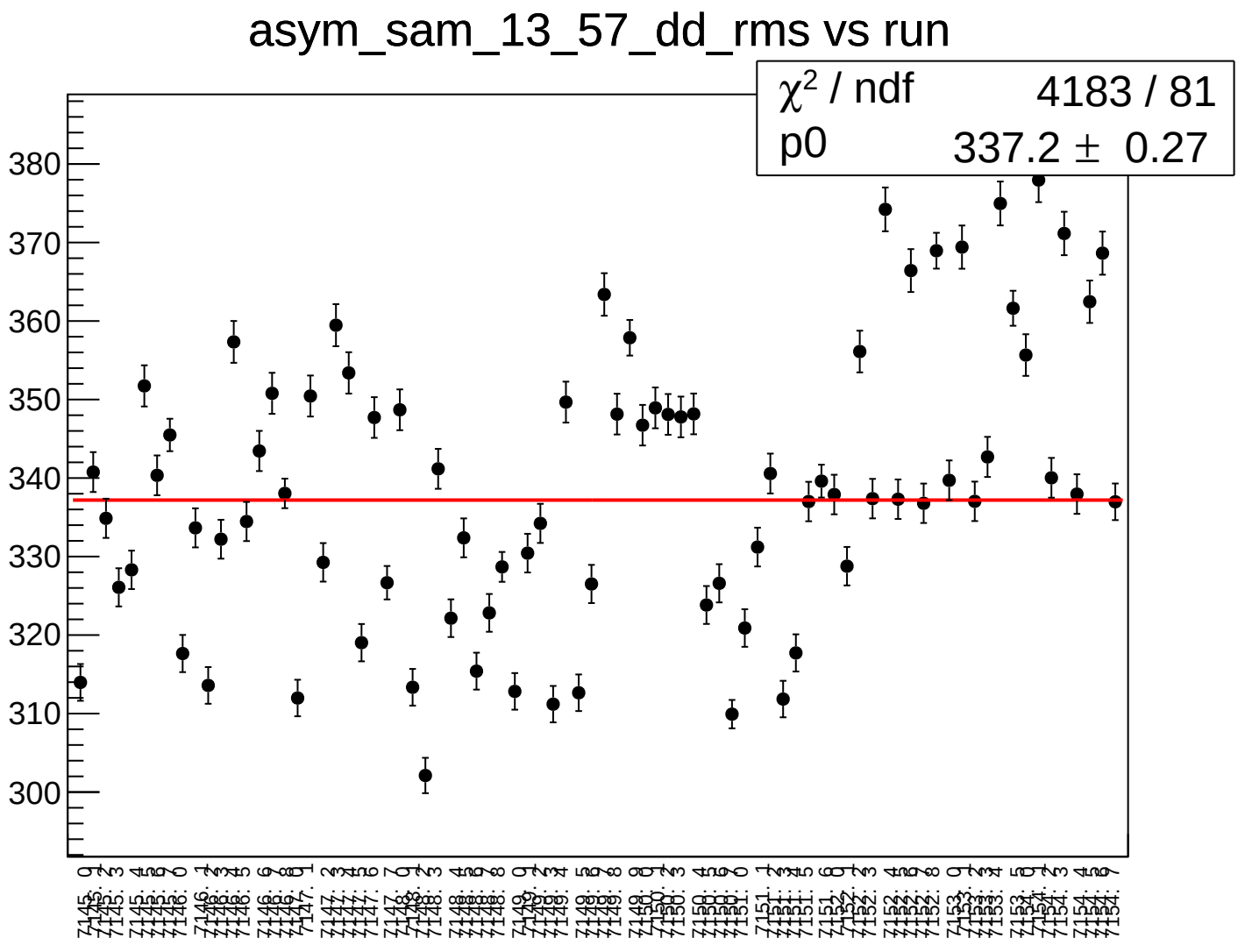

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 78.92 / 81
p0 −97.58 ± 395.7
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −1.175e+04
Std Dev 1.177e+04
2
1
0
−1
−2

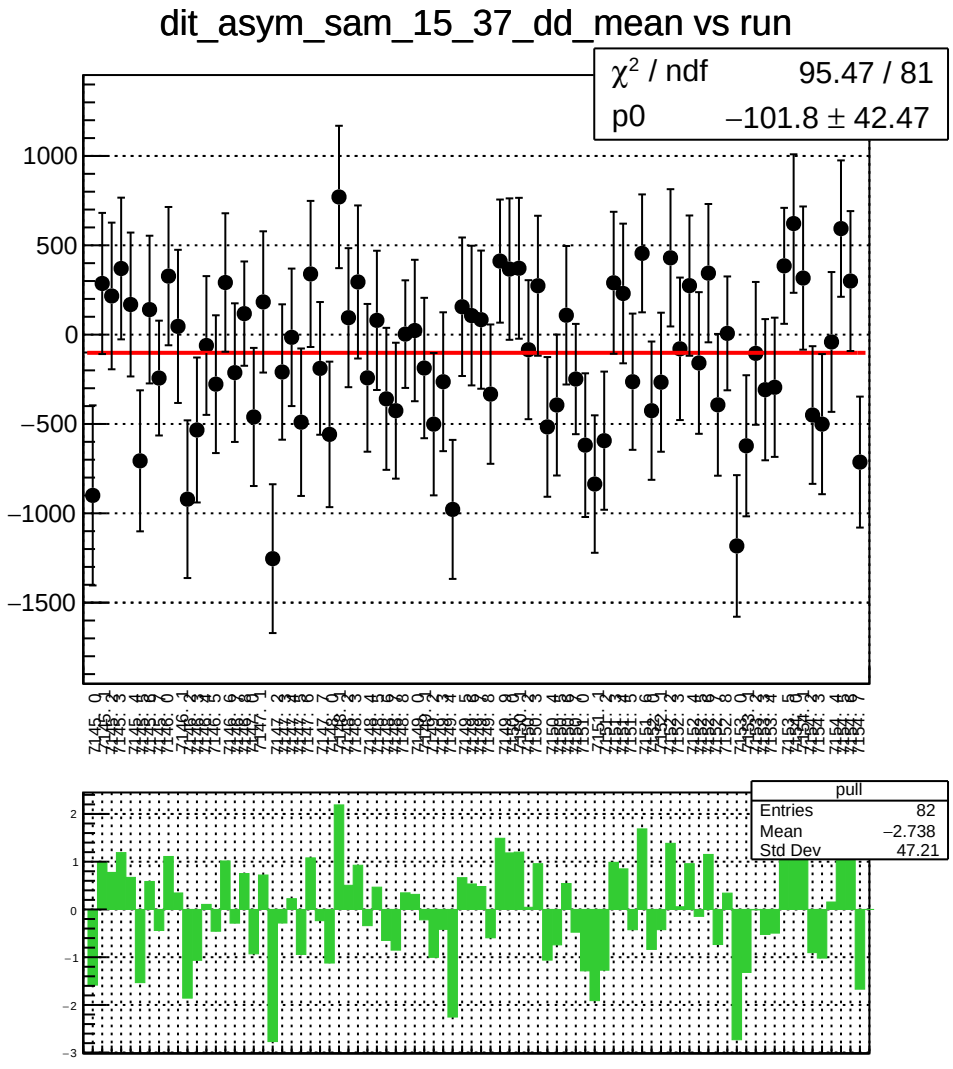

pull1D
Entries 82
Mean −0.0001999
Std Dev 0.981
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

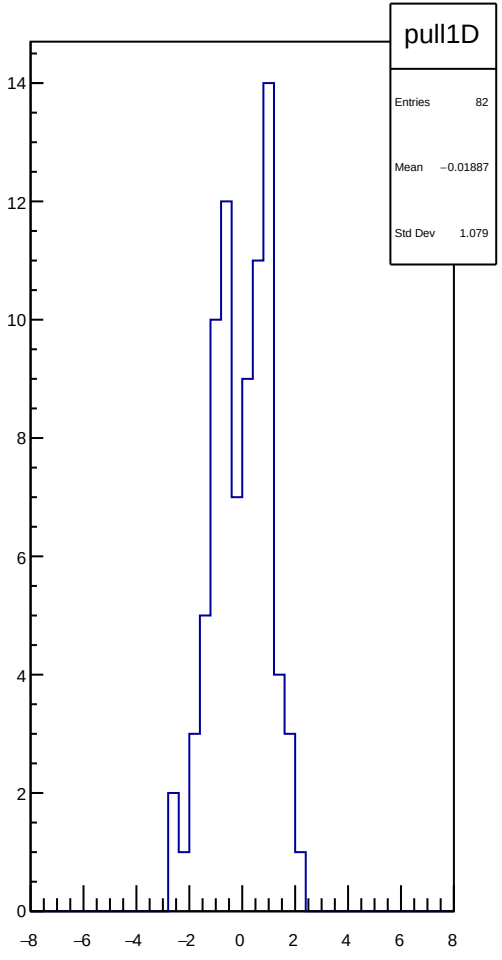

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 4224 / 81
p0 349.4 ± 0.2798
400
380
360
340
320
300

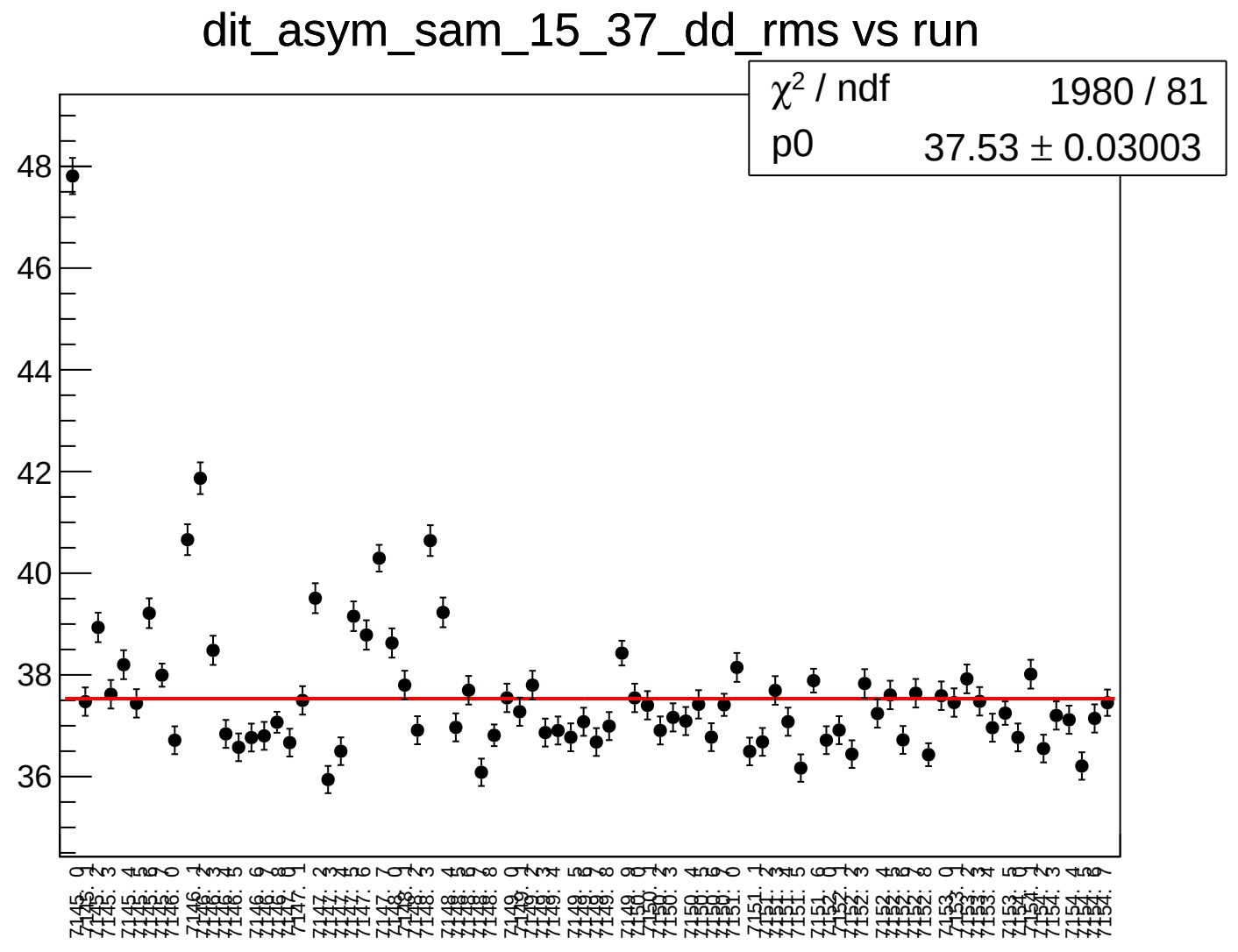

asym_sam_13_57_dd_mean vs run
χ² / ndf 82.5 / 81
p0 48.96 ± 381.9
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −5114
Std Dev 5134
2
1
0
−1
−2

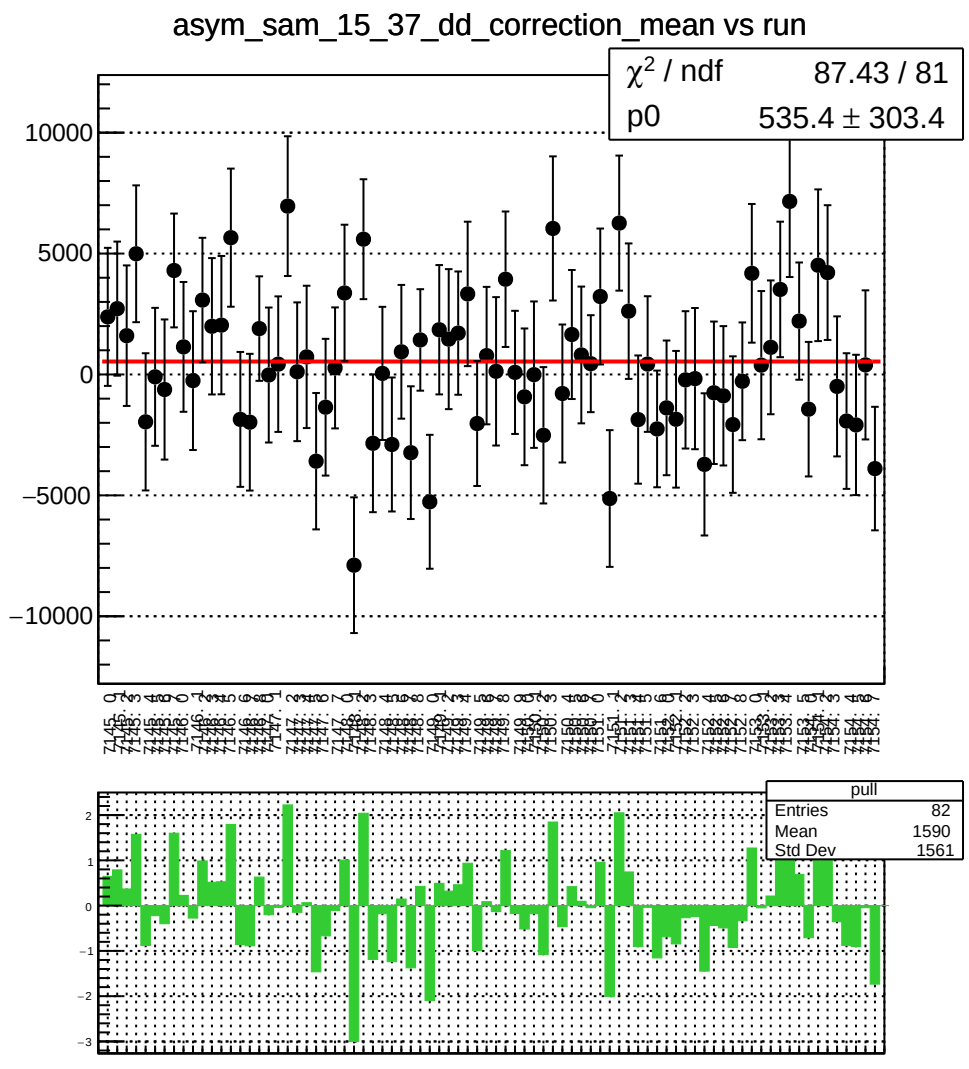

pull1D
Entries 82
Mean 0.0003955
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

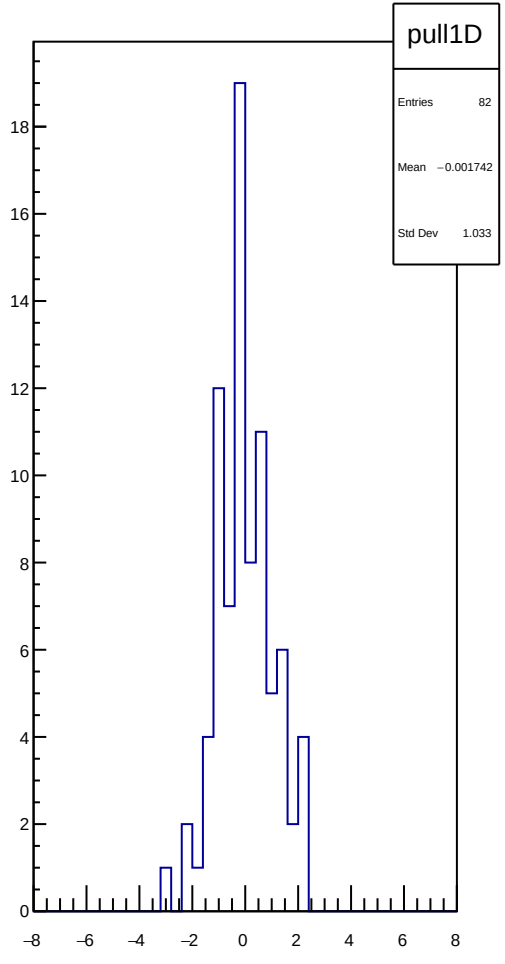

asym_sam_13_57_dd_rms vs run
χ² / ndf 4183 / 81
p0 337.2 ± 0.27
380
370
360
350
340
330
320
310
300

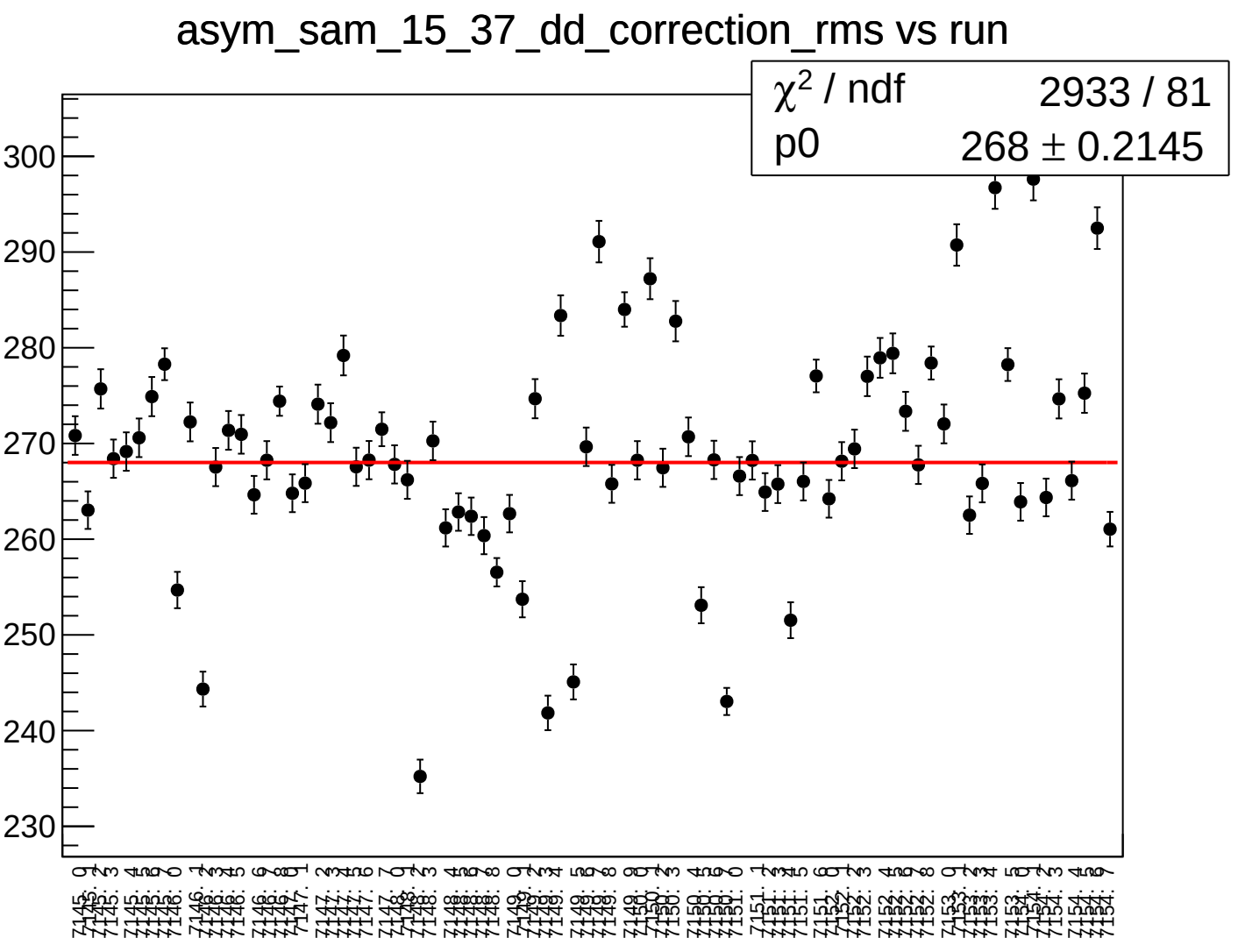

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 95.47 / 81
p0 −101.8 ± 42.47
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −2.738
Std Dev 47.21
2
1
0
−1
−2
−3

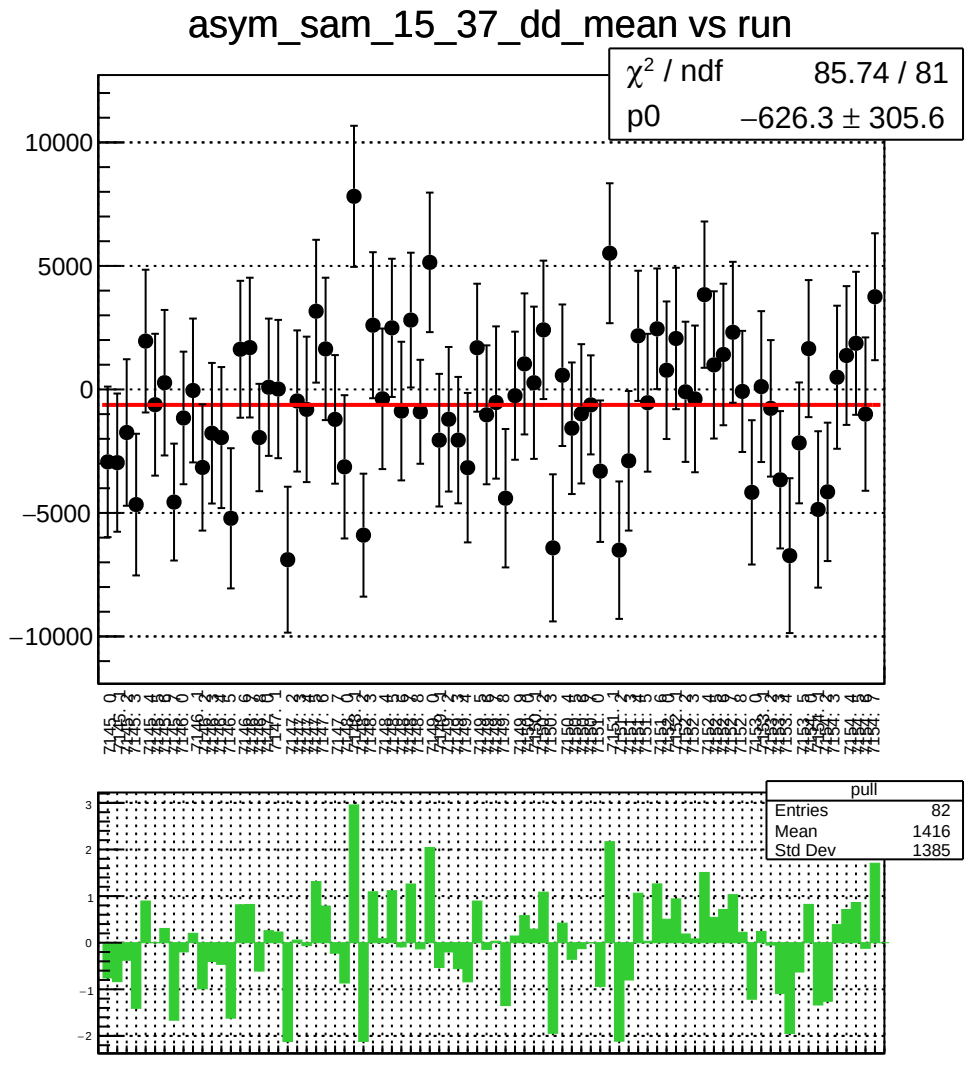

pull1D
Entries 82
Mean −0.01887
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

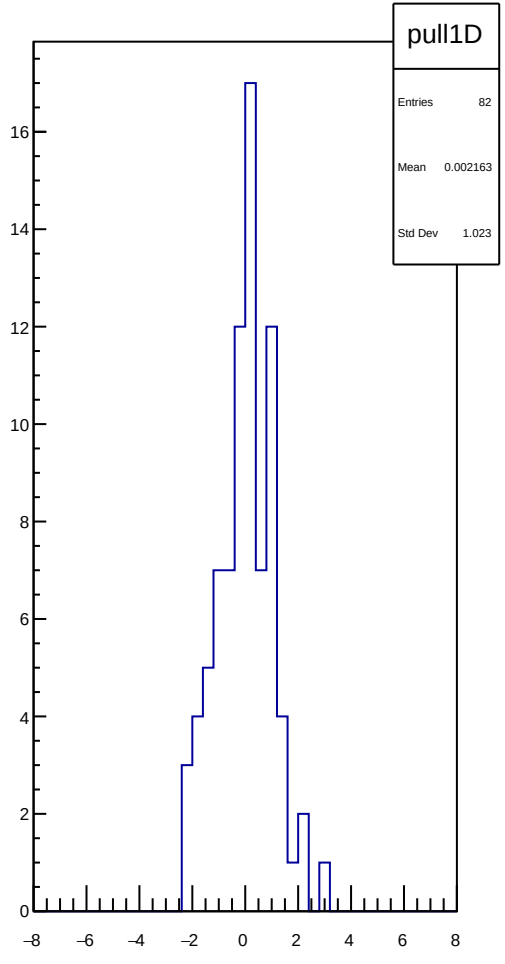

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1980 / 81
p0 37.53 ± 0.03003
48
46
44
42
40
38
36

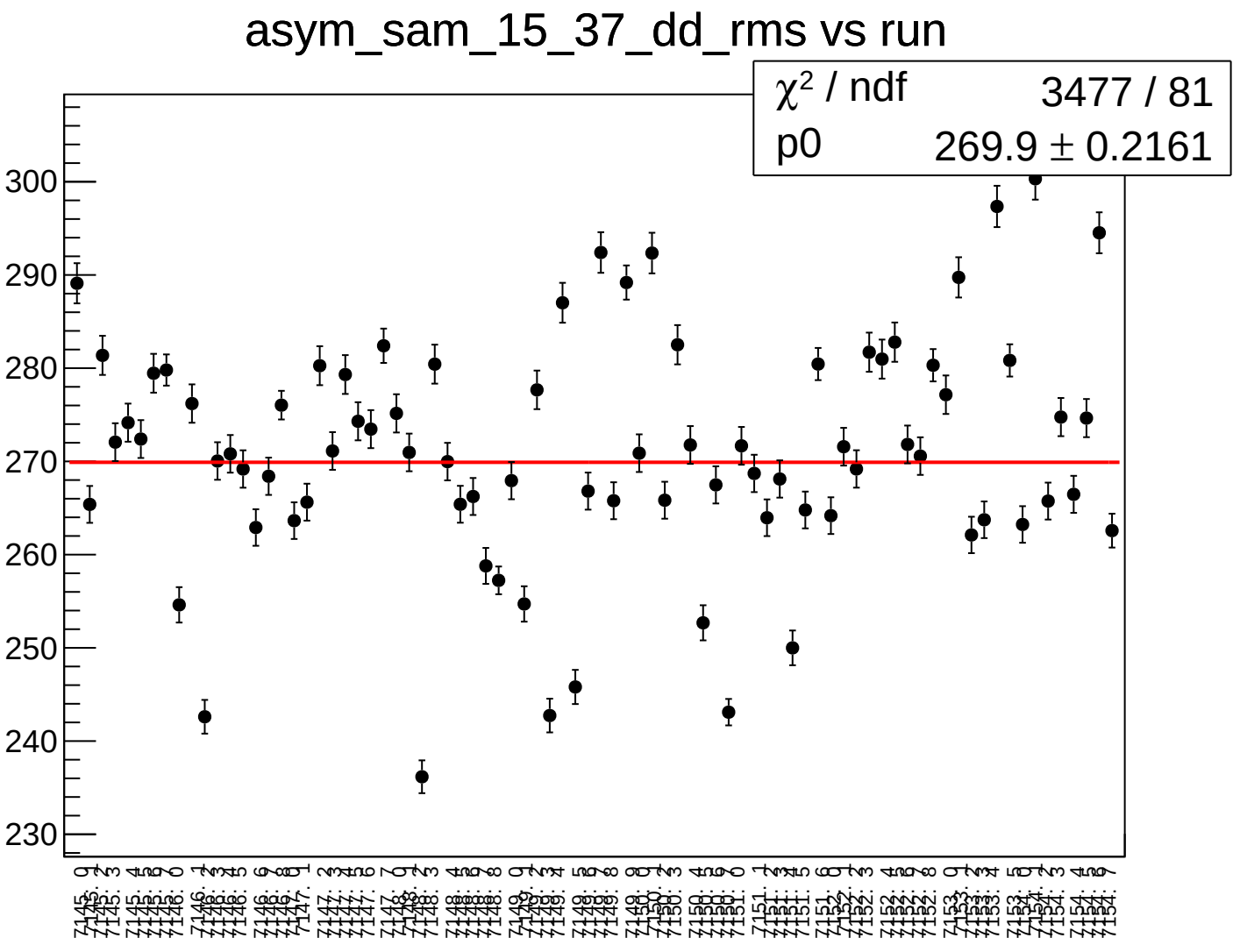

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 87.43 / 81
p0 535.4 ± 303.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1590
Std Dev 1561
2
1
0
−1
−2
−3

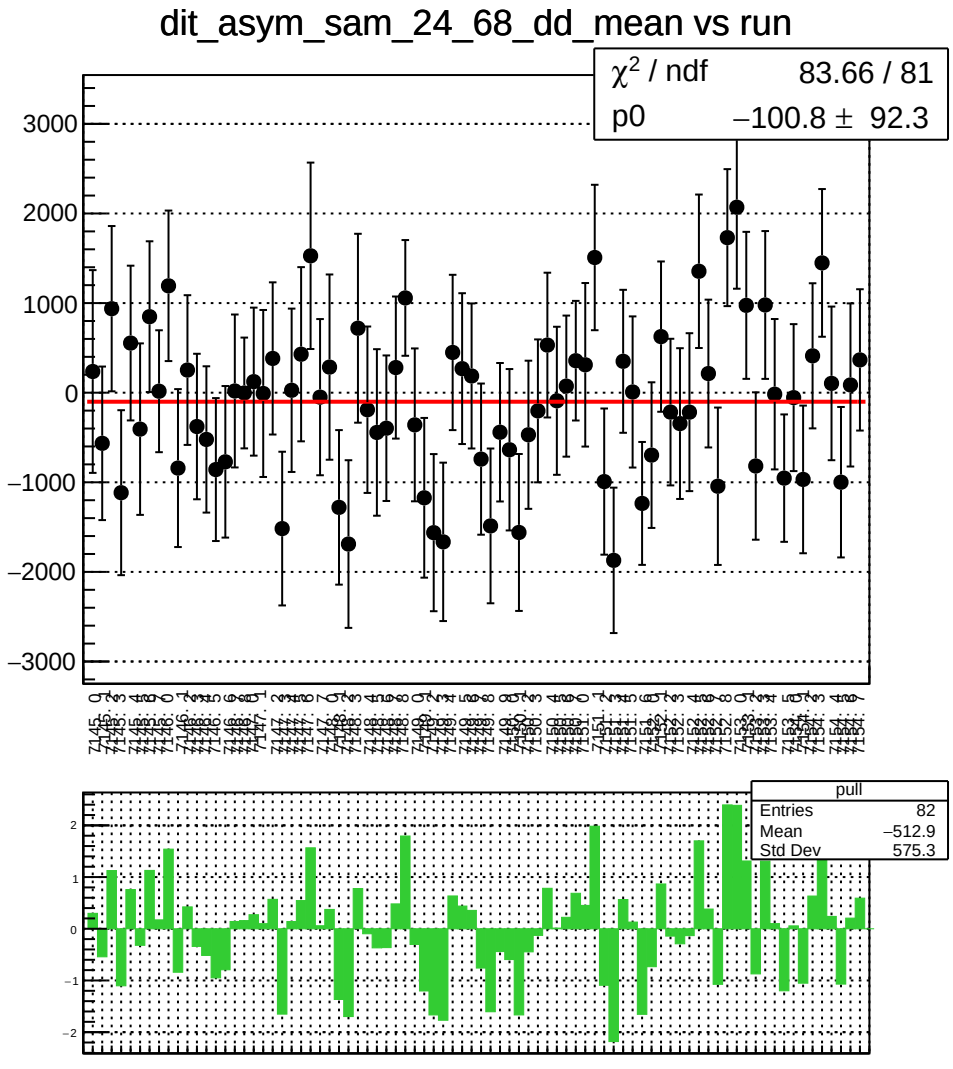

pull1D
Entries 82
Mean −0.001742
Std Dev 1.033
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

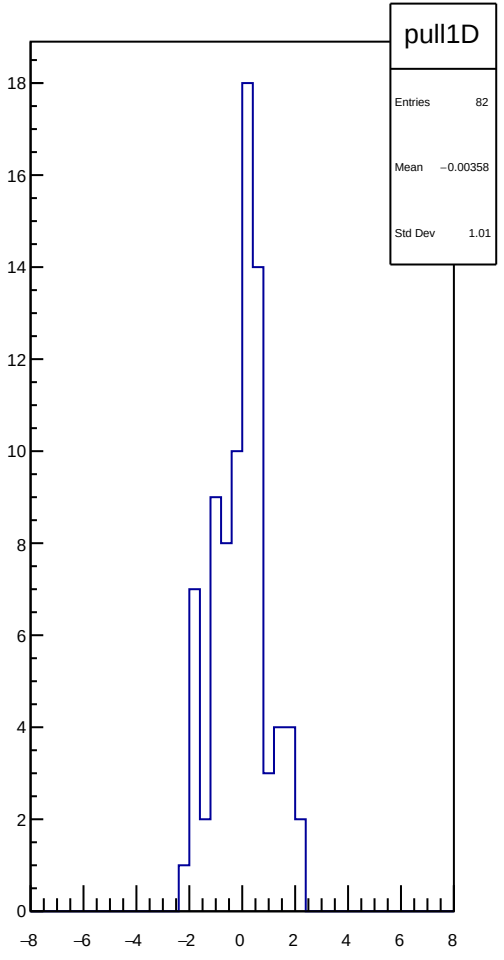

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2933 / 81
p0 268 ± 0.2145
300
290
280
270
260
250
240
230

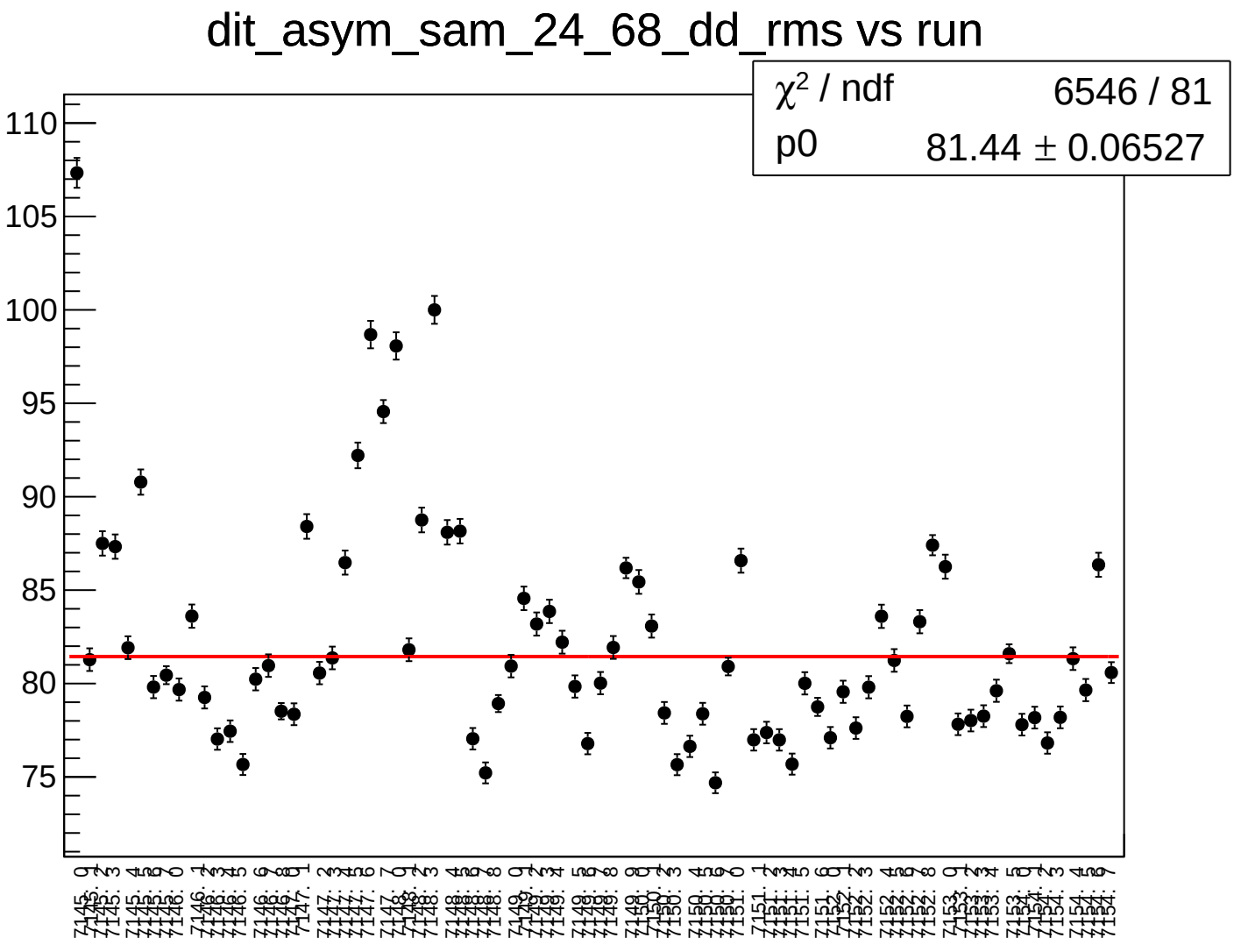

asym_sam_15_37_dd_mean vs run
χ² / ndf 85.74 / 81
p0 −626.3 ± 305.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 1416
Std Dev 1385
3
2
1
0
−1
−2

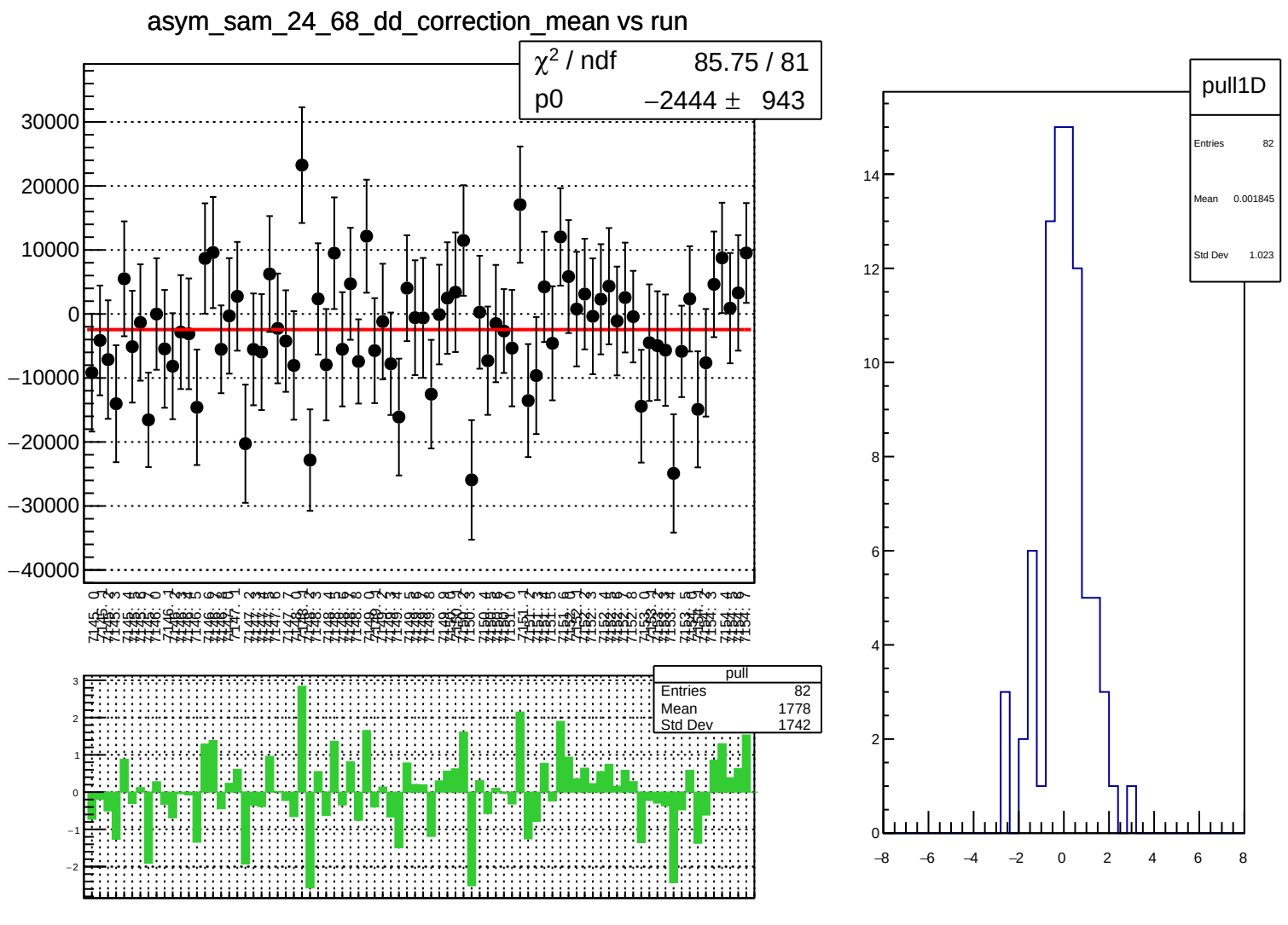

pull1D
Entries 82
Mean 0.002163
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

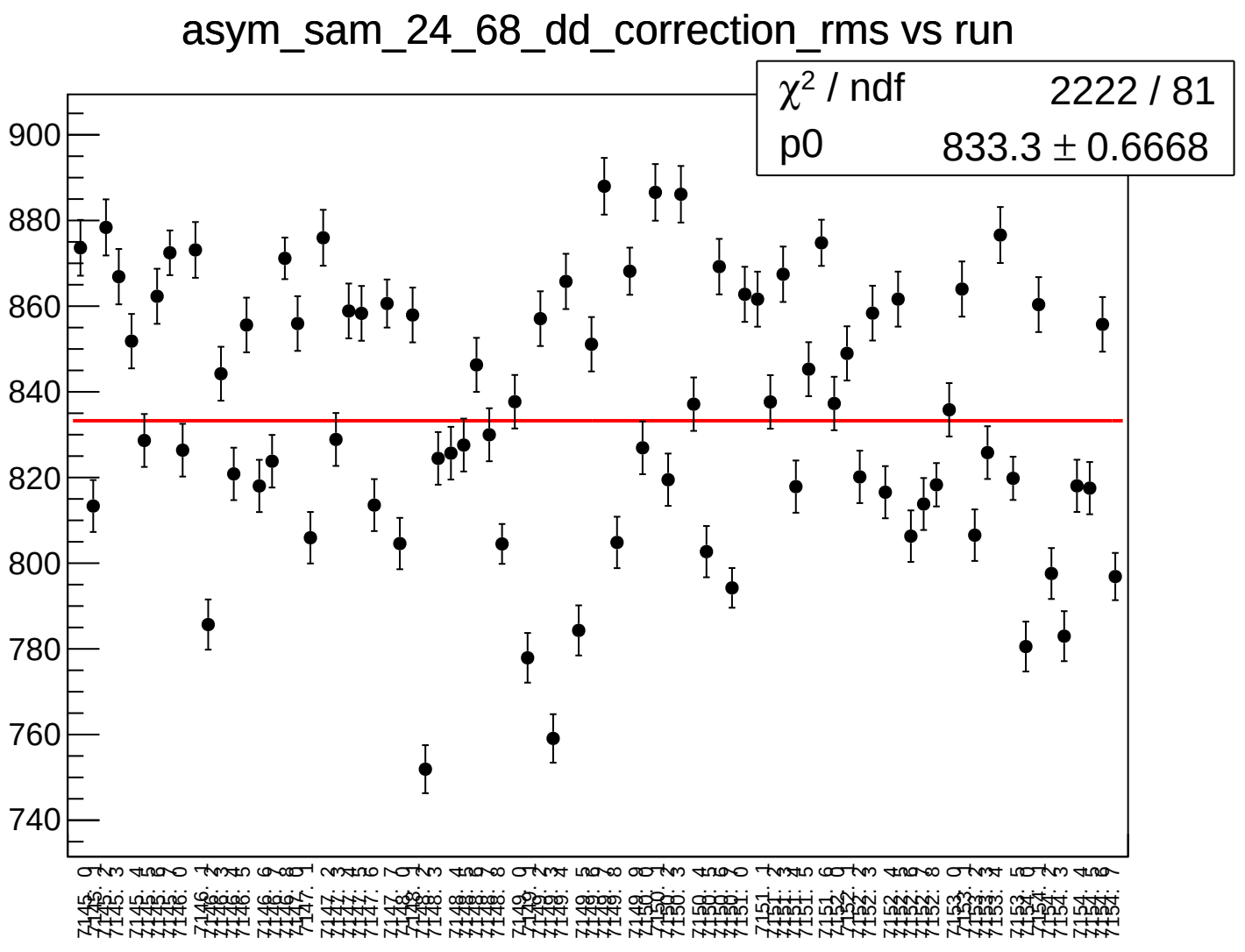

asym_sam_15_37_dd_rms vs run
χ² / ndf 3477 / 81
p0 269.9 ± 0.2161
300
290
280
270
260
250
240
230

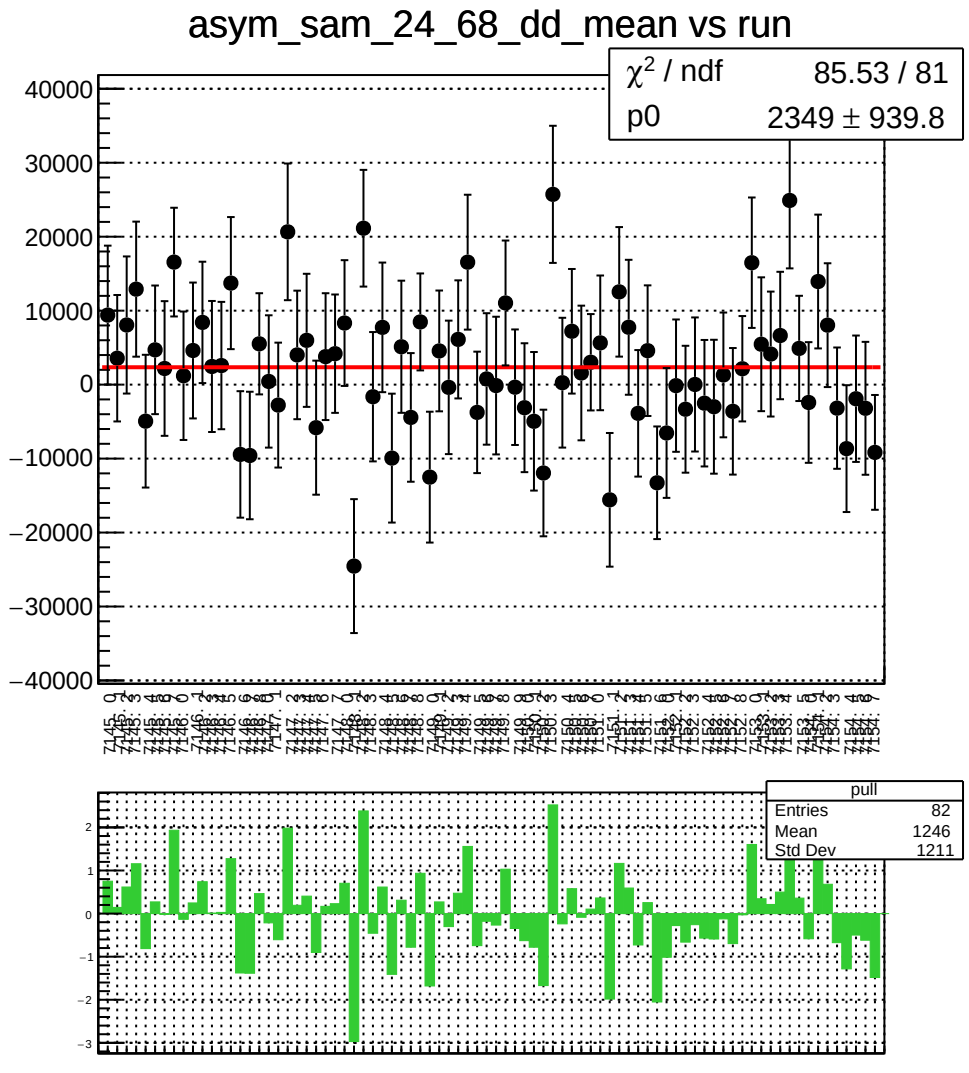

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 83.66 / 81
p0 −100.8 ± 92.3
pull
Entries 82
Mean −512.9
Std Dev 575.3

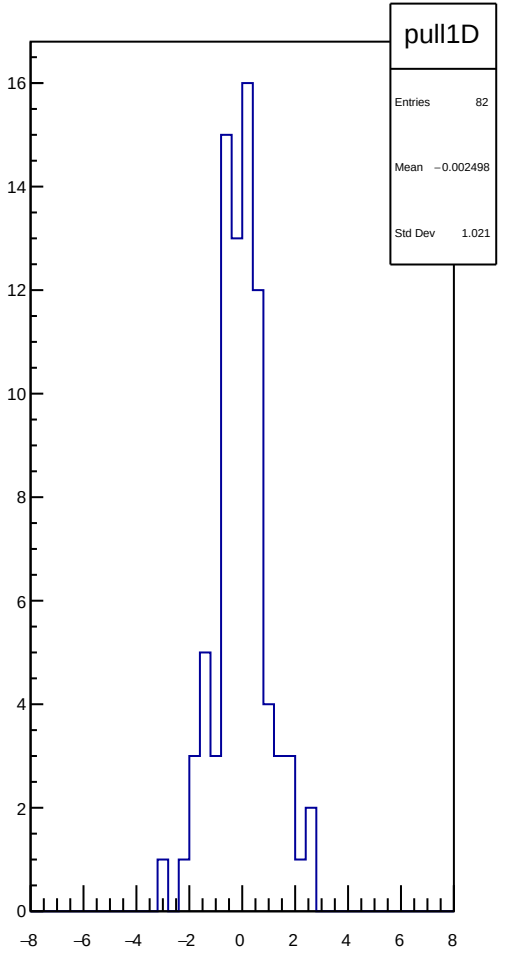

pull1D
Entries 82
Mean −0.00358
Std Dev 1.01

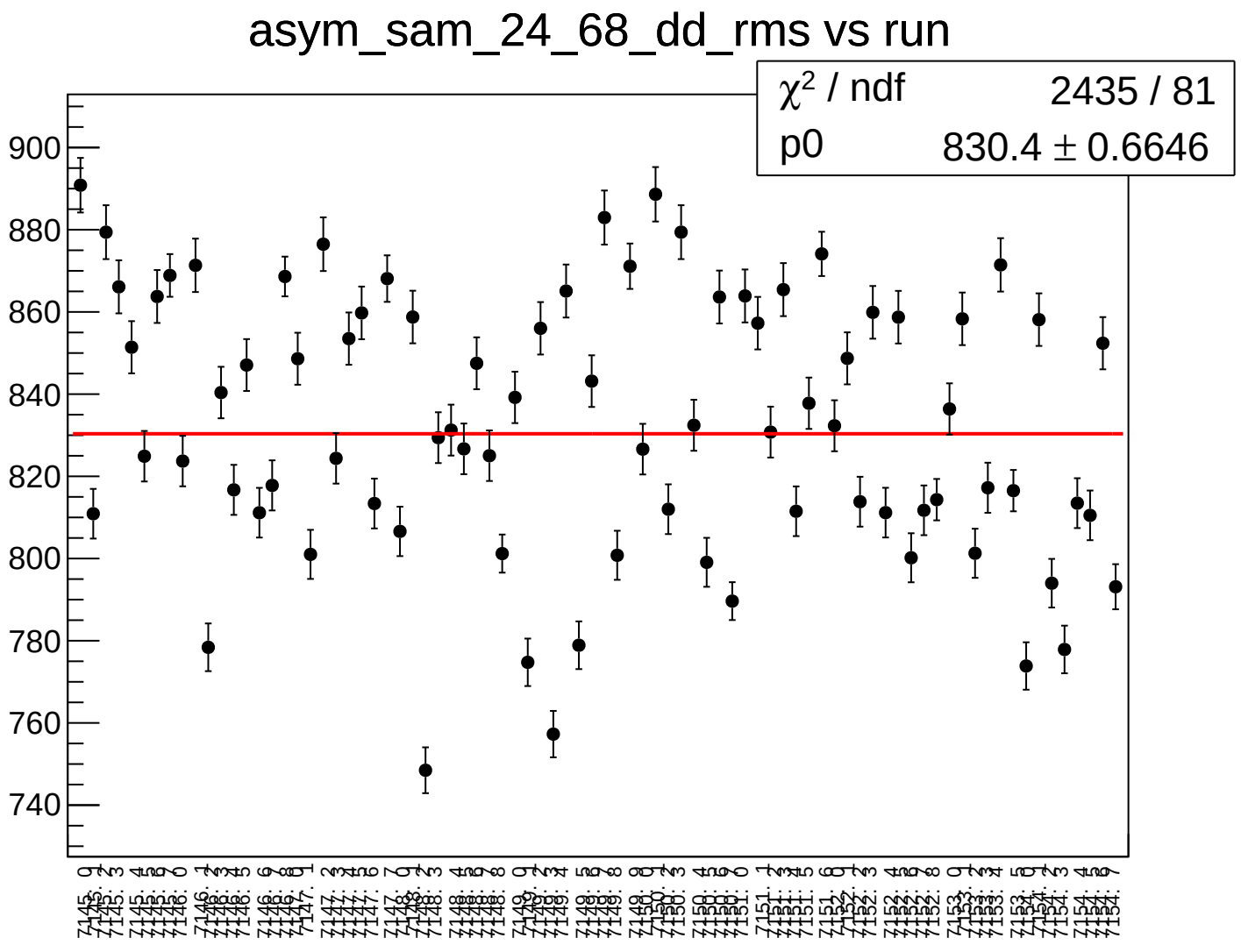

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 6546 / 81
p0 81.44 ± 0.06527
110
105
100
95
90
85
80
75

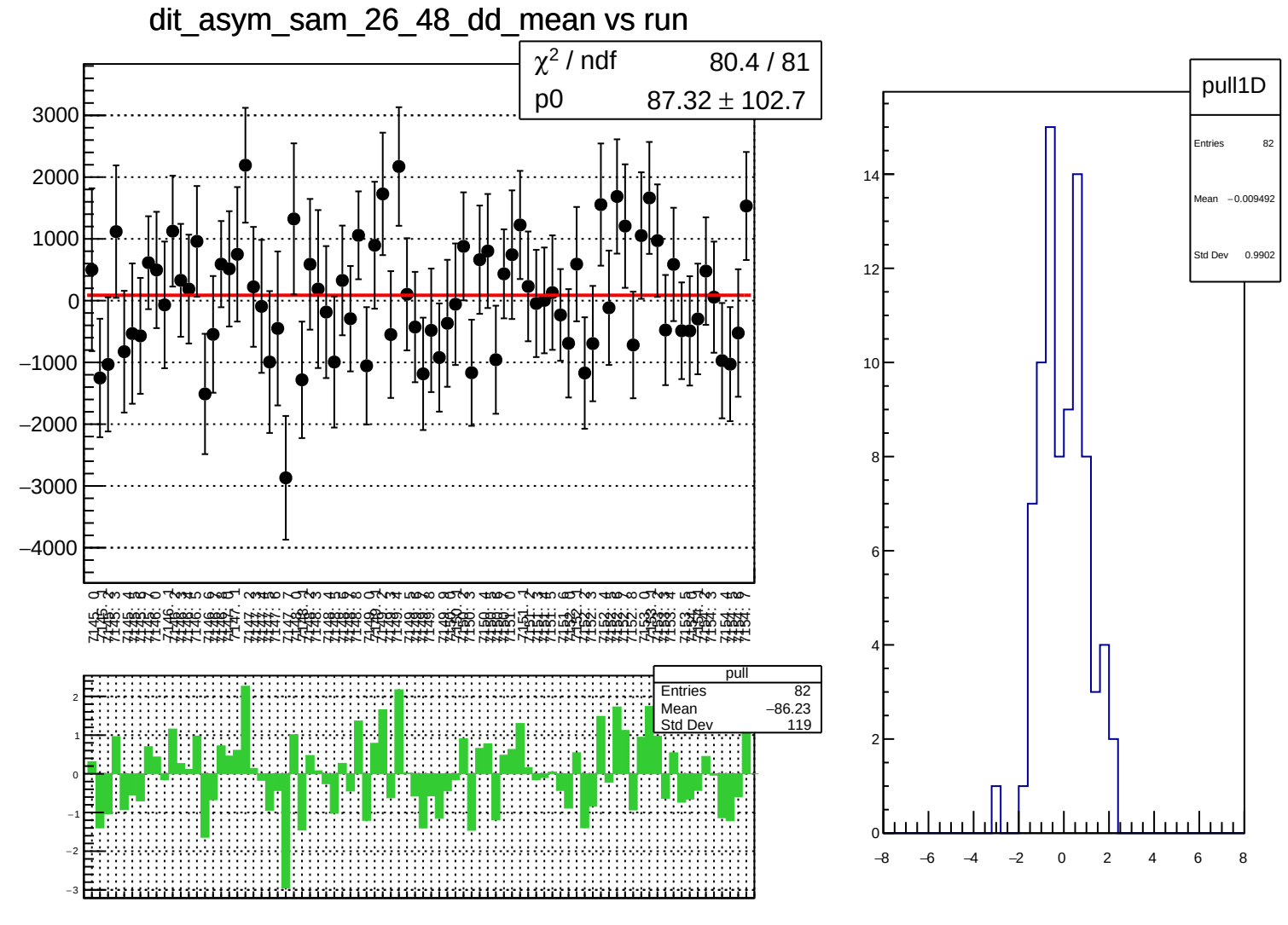

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 85.75 / 81
p0 −2444 ± 943
pull
Entries 82
Mean 1778
Std Dev 1742
pull1D
Entries 82
Mean 0.001845
Std Dev 1.023

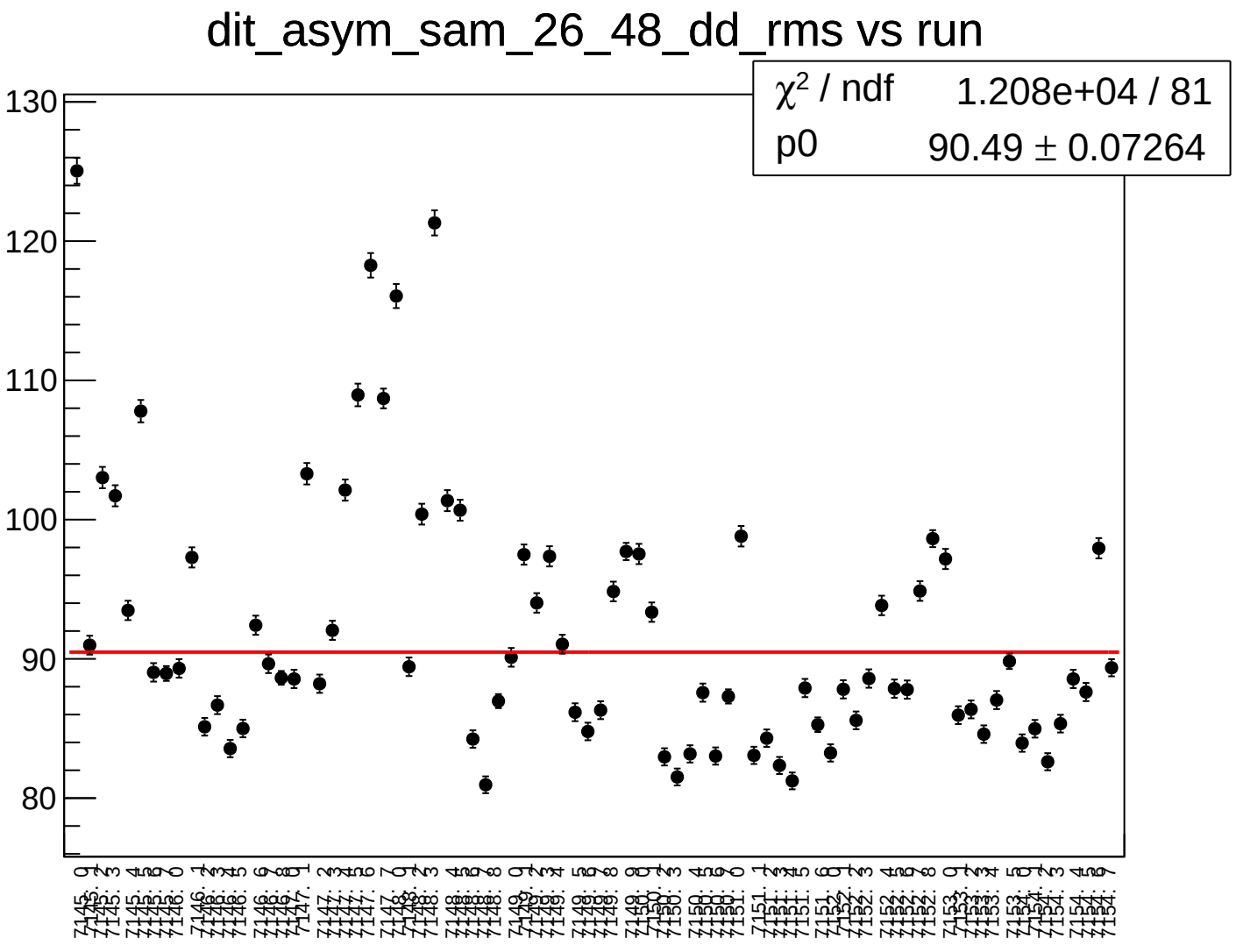

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2222 / 81
p0 833.3 ± 0.6668
900
880
860
840
820
800
780
760
740

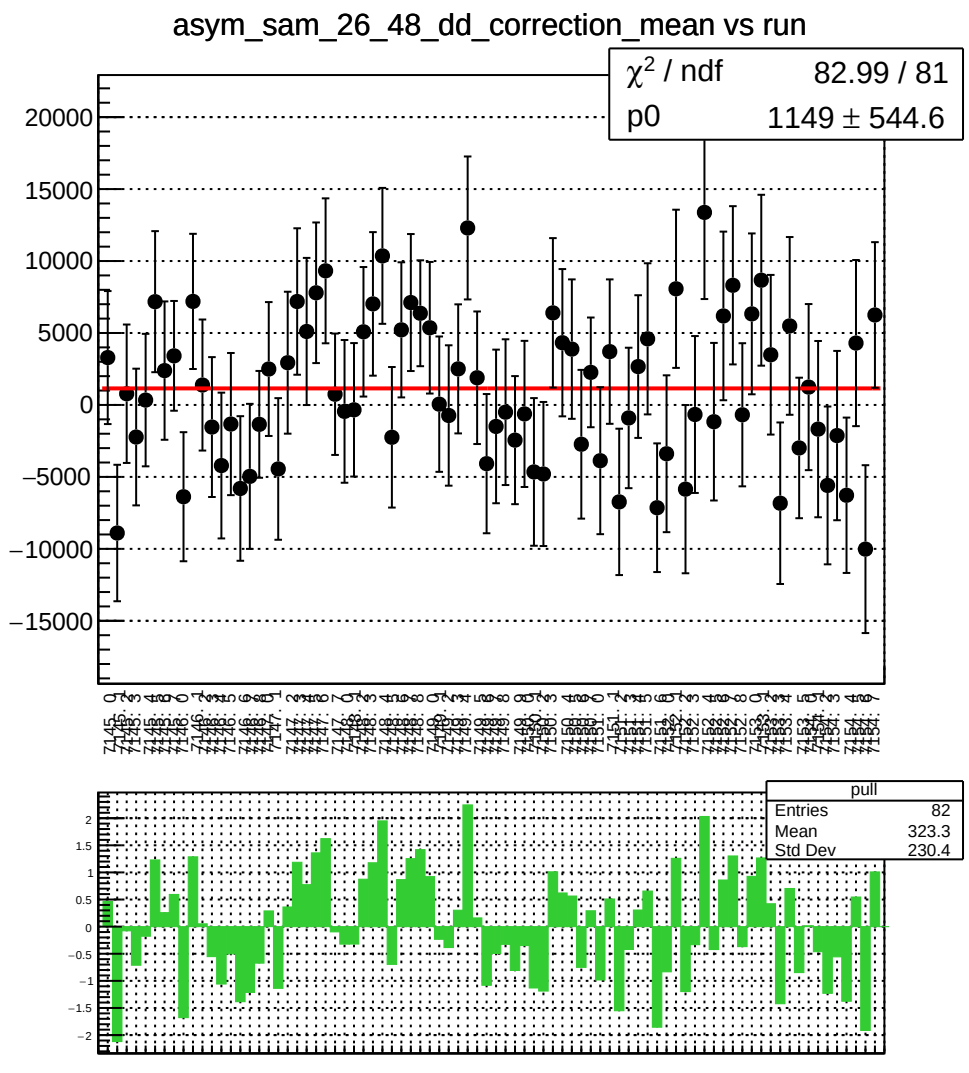

asym_sam_24_68_dd_mean vs run
χ² / ndf 85.53 / 81
p0 2349 ± 939.8
pull
Entries 82
Mean 1246
Std Dev 1211

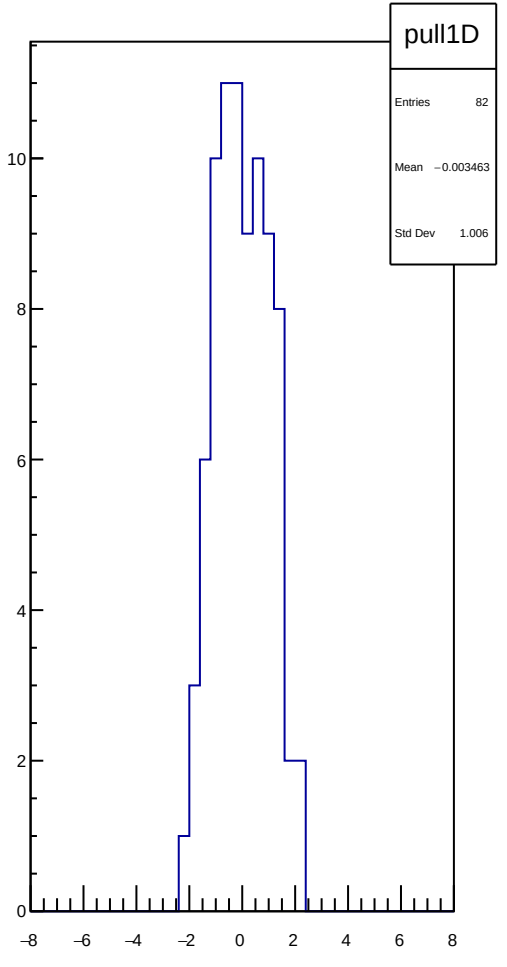

pull1D
Entries 82
Mean −0.002498
Std Dev 1.021

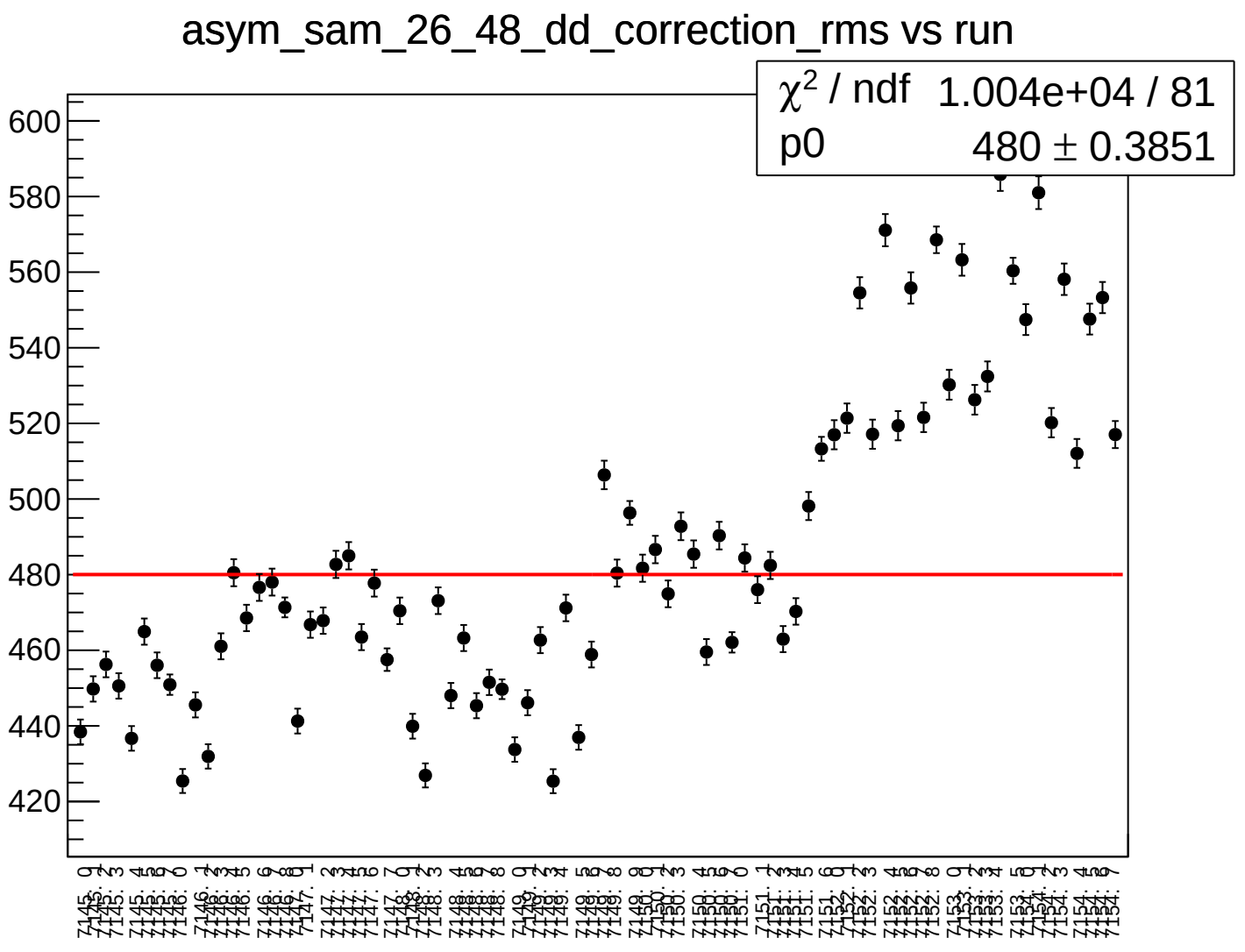

asym_sam_24_68_dd_rms vs run
χ² / ndf 2435 / 81
p0 830.4 ± 0.6646
900
880
860
840
820
800
780
760
740

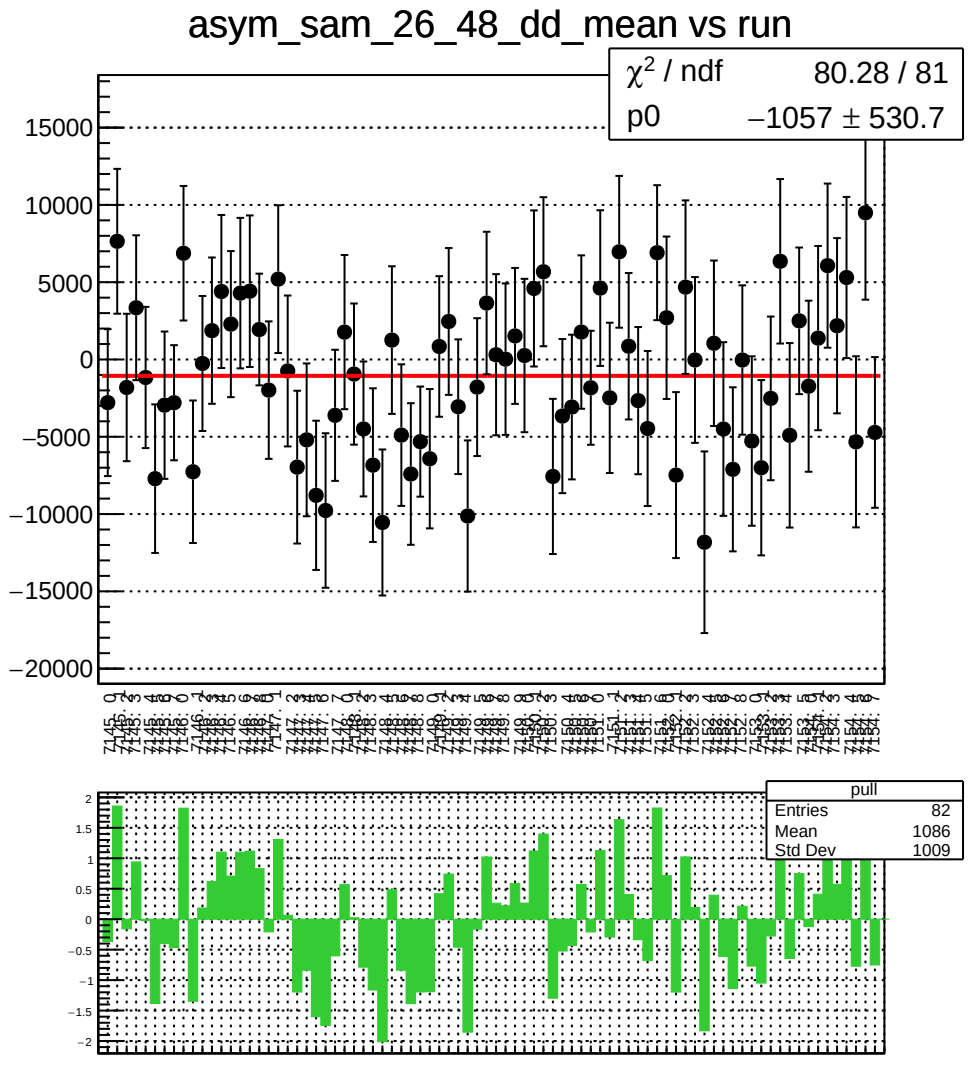

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.4 / 81
p0 87.32 ± 102.7
pull
Entries 82
Mean −86.23
Std Dev 119
pull1D
Entries 82
Mean −0.009492
Std Dev 0.9902

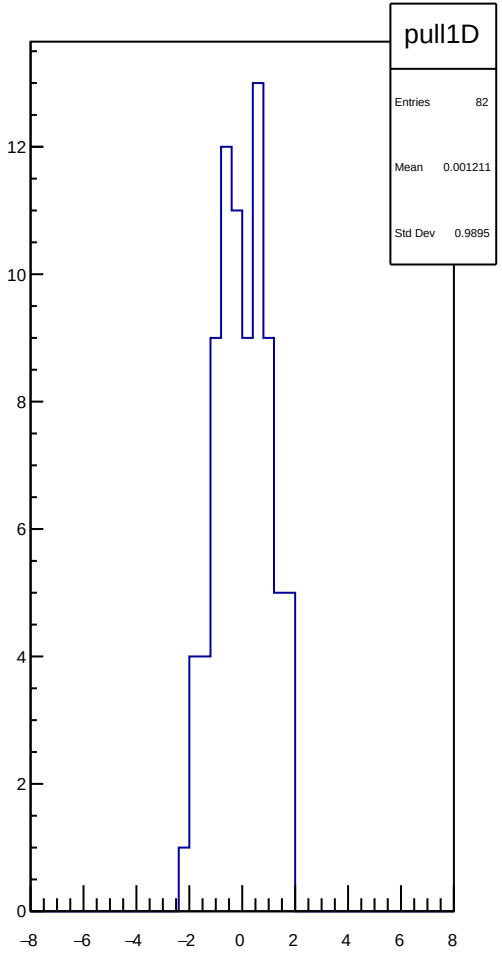

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.208e+04 / 81
p0 90.49 ± 0.07264
130
120
110
100
90
80

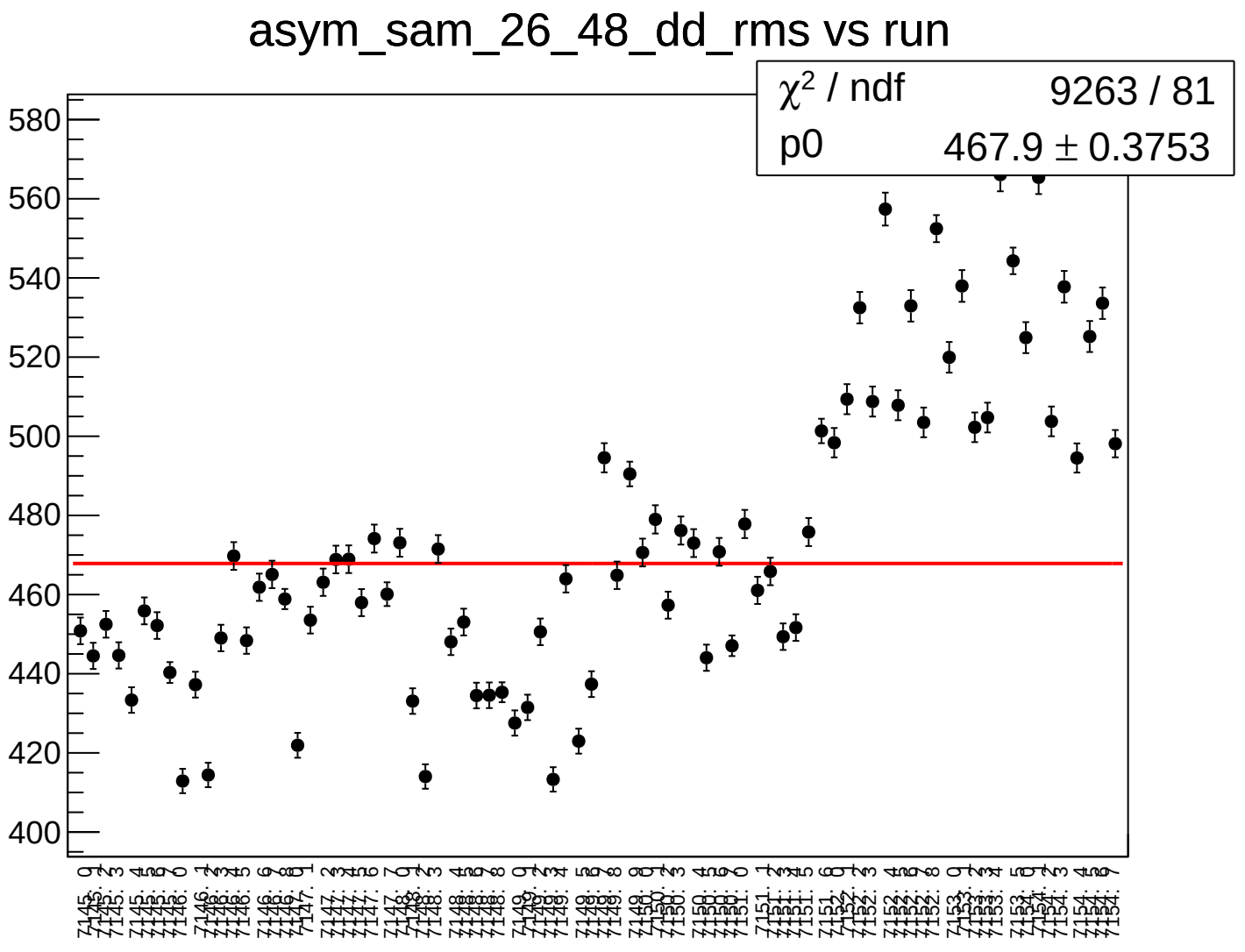

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 82.99 / 81
p0 1149 ± 544.6
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 323.3
Std Dev 230.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

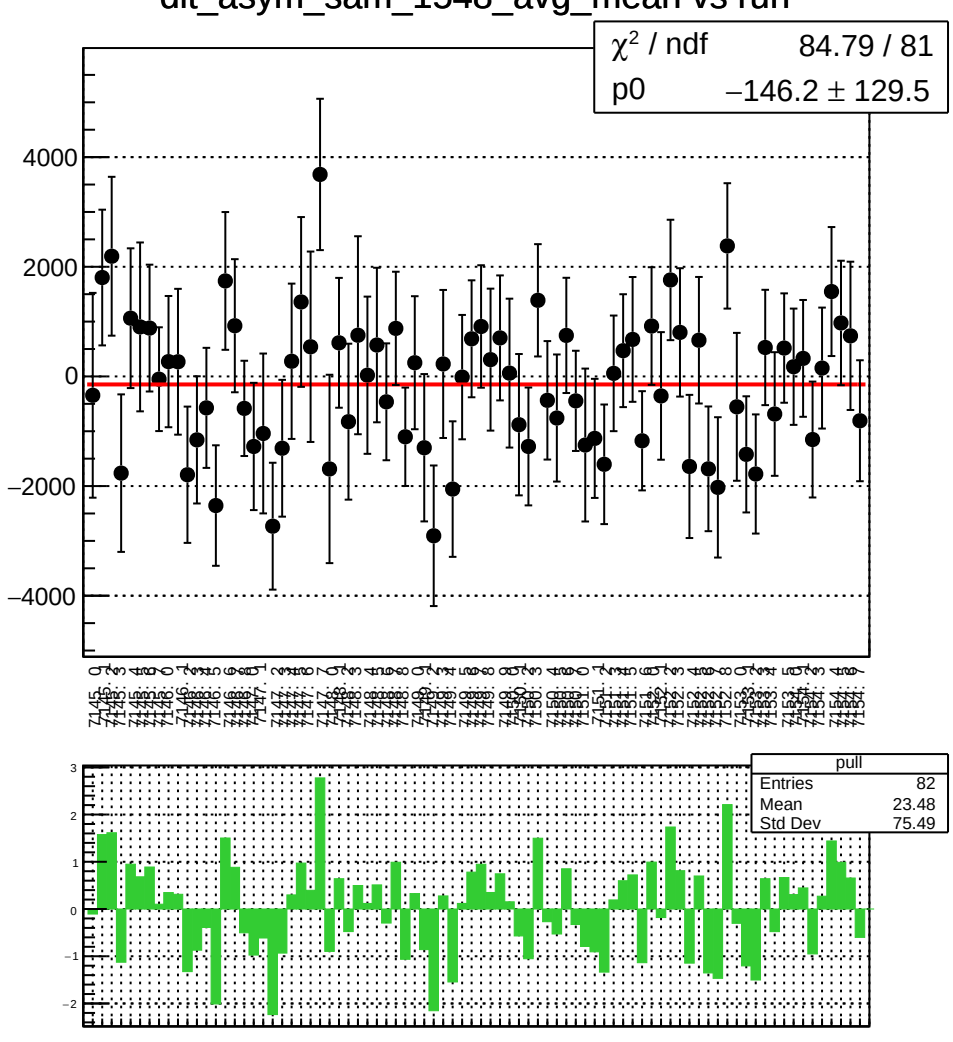

pull1D
Entries 82
Mean −0.003463
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

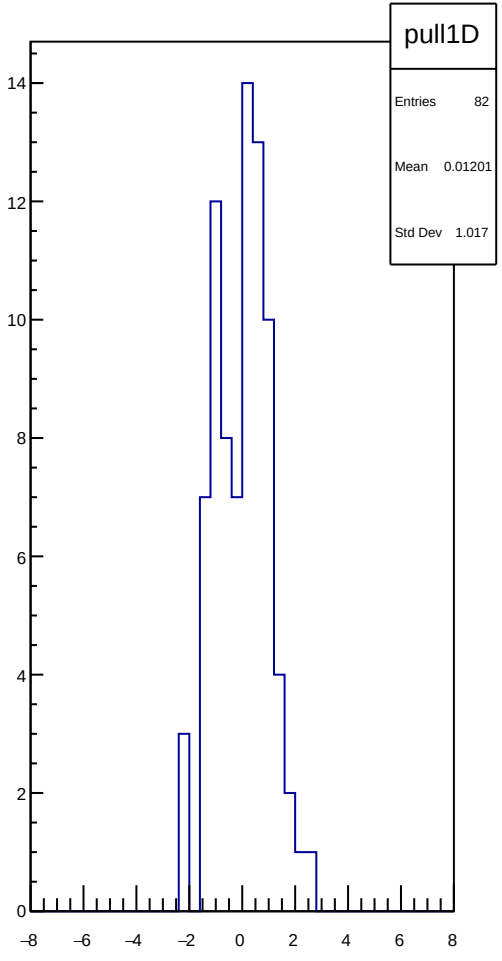

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.004e+04 / 81
p0 480 ± 0.3851
600
580
560
540
520
500
480
460
440
420

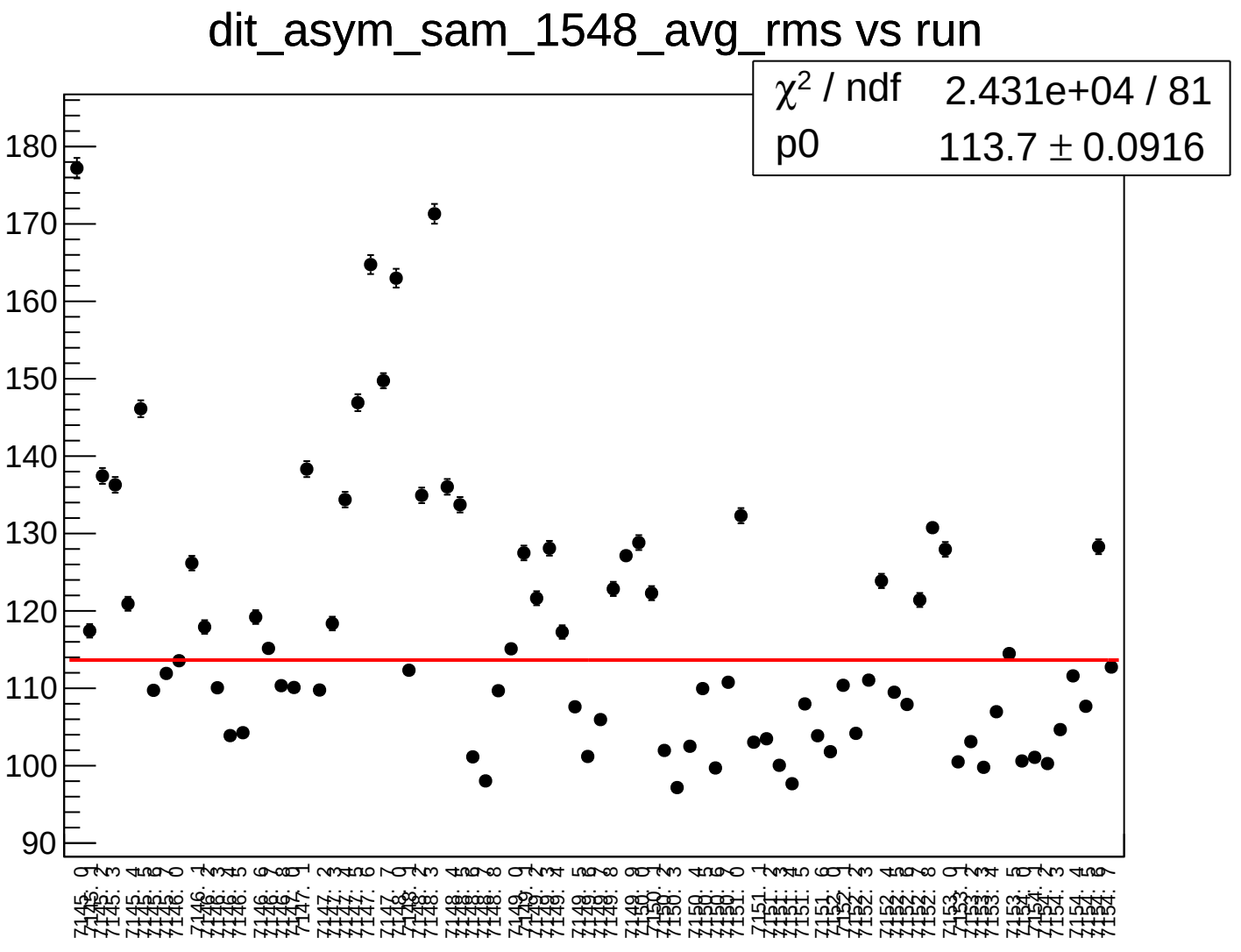

asym_sam_26_48_dd_mean vs run
χ² / ndf 80.28 / 81
p0 −1057 ± 530.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 1086
Std Dev 1009
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

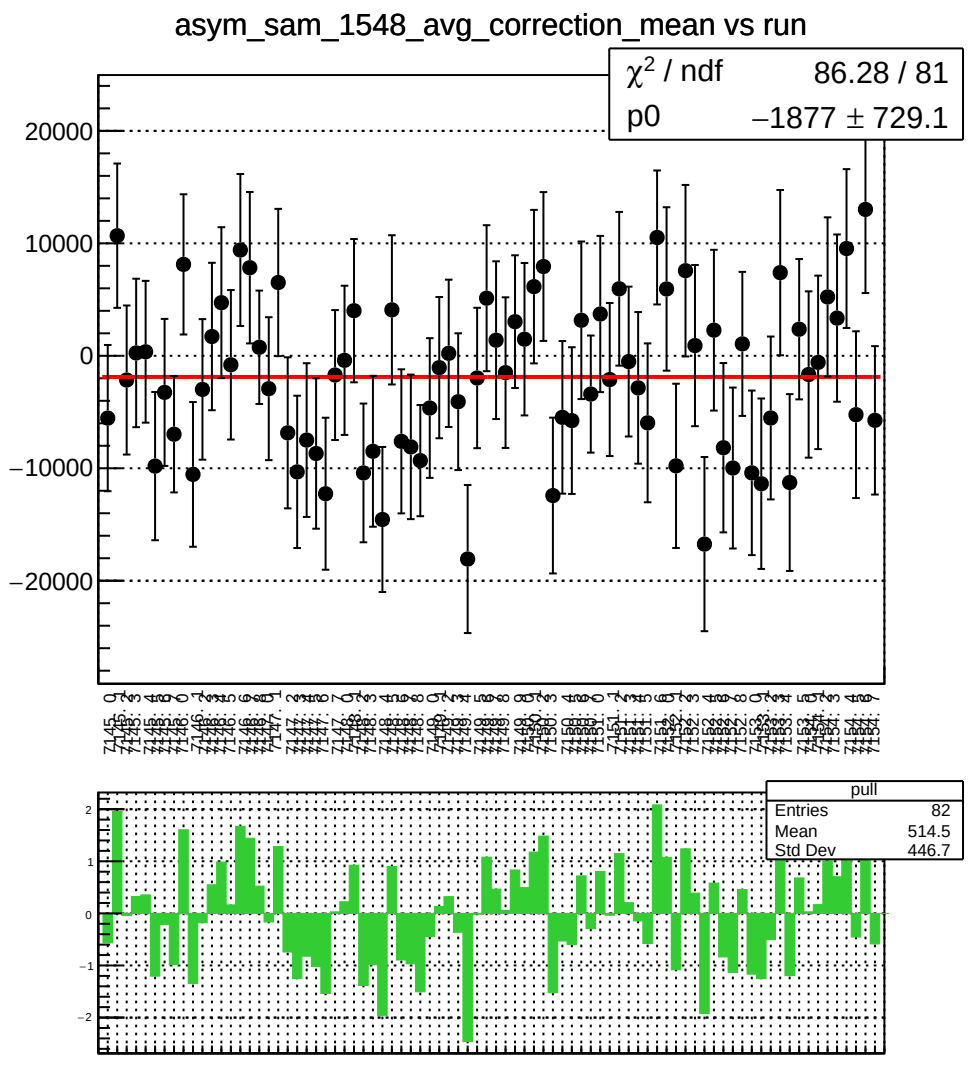

pull1D
Entries 82
Mean 0.001211
Std Dev 0.9895
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

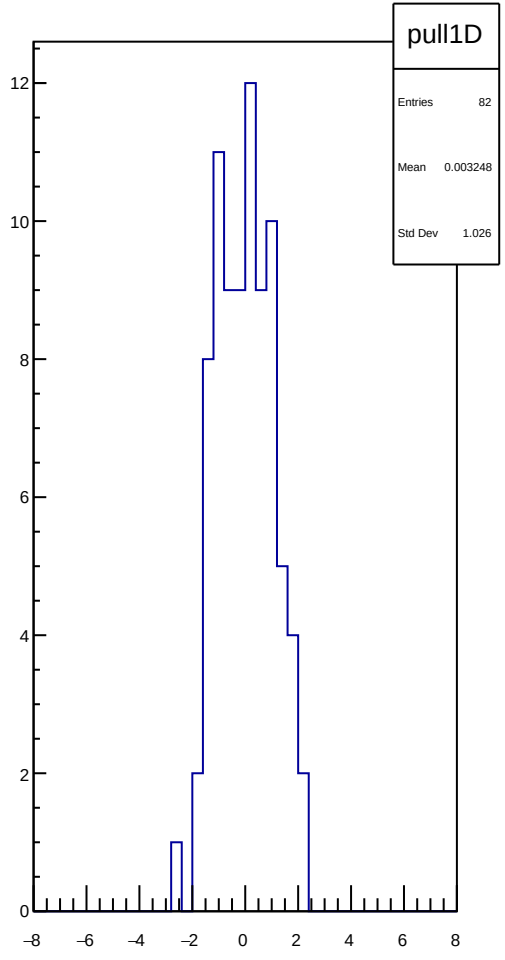

asym_sam_26_48_dd_rms vs run
χ² / ndf 9263 / 81
p0 467.9 ± 0.3753
580
560
540
520
500
480
460
440
420
400

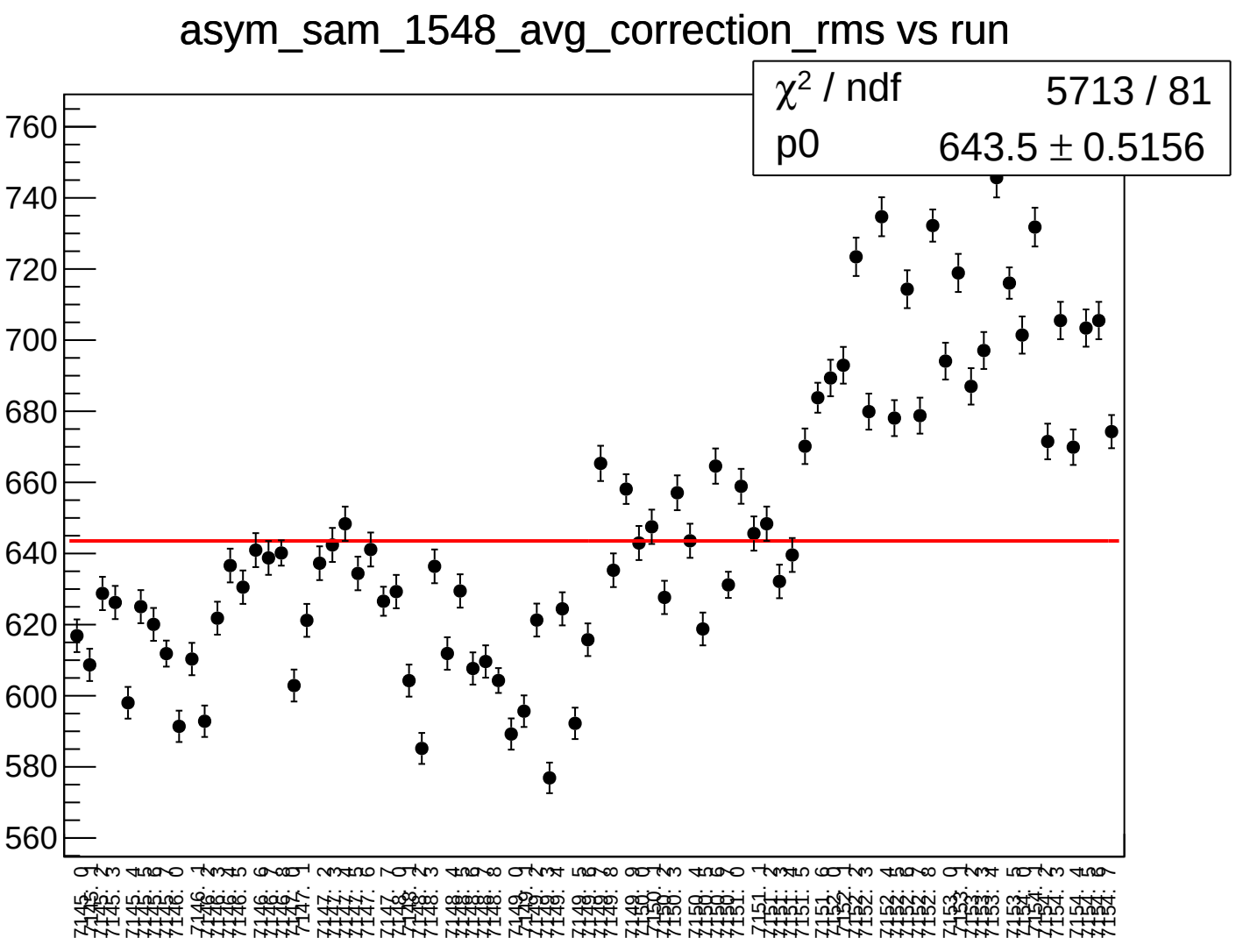

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.79 / 81
p0 −146.2 ± 129.5
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 23.48
Std Dev 75.49
3
2
1
0
−1
−2

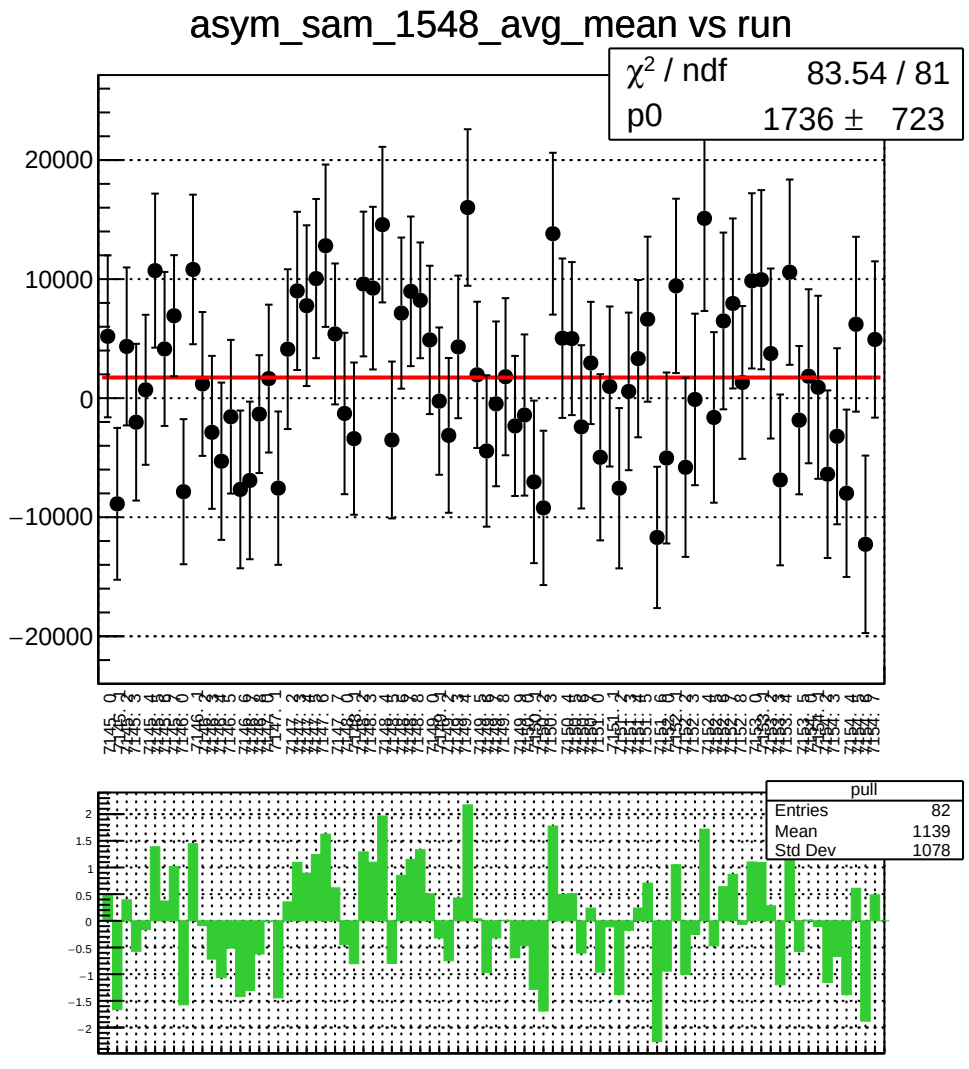

pull1D
Entries 82
Mean 0.01201
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

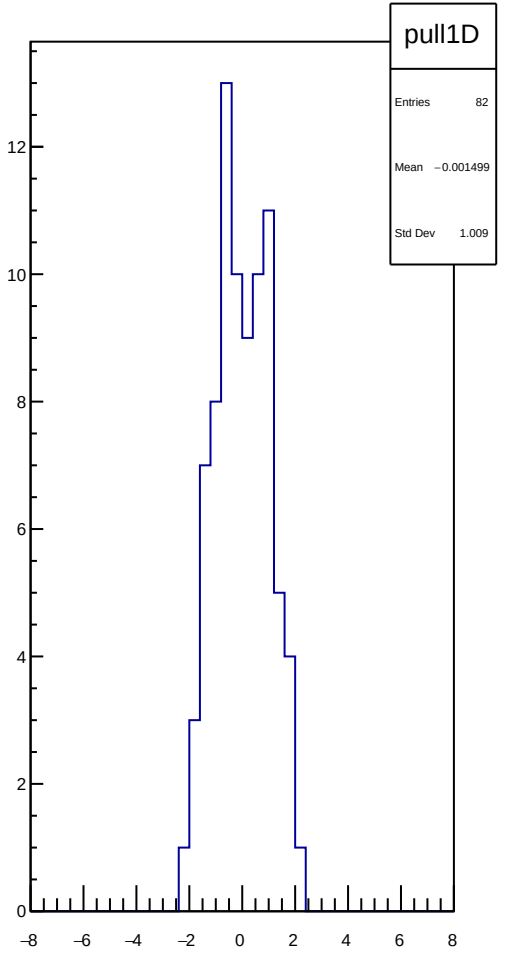

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.431e+04 / 81
p0 113.7 ± 0.0916
180
170
160
150
140
130
120
110
100
90

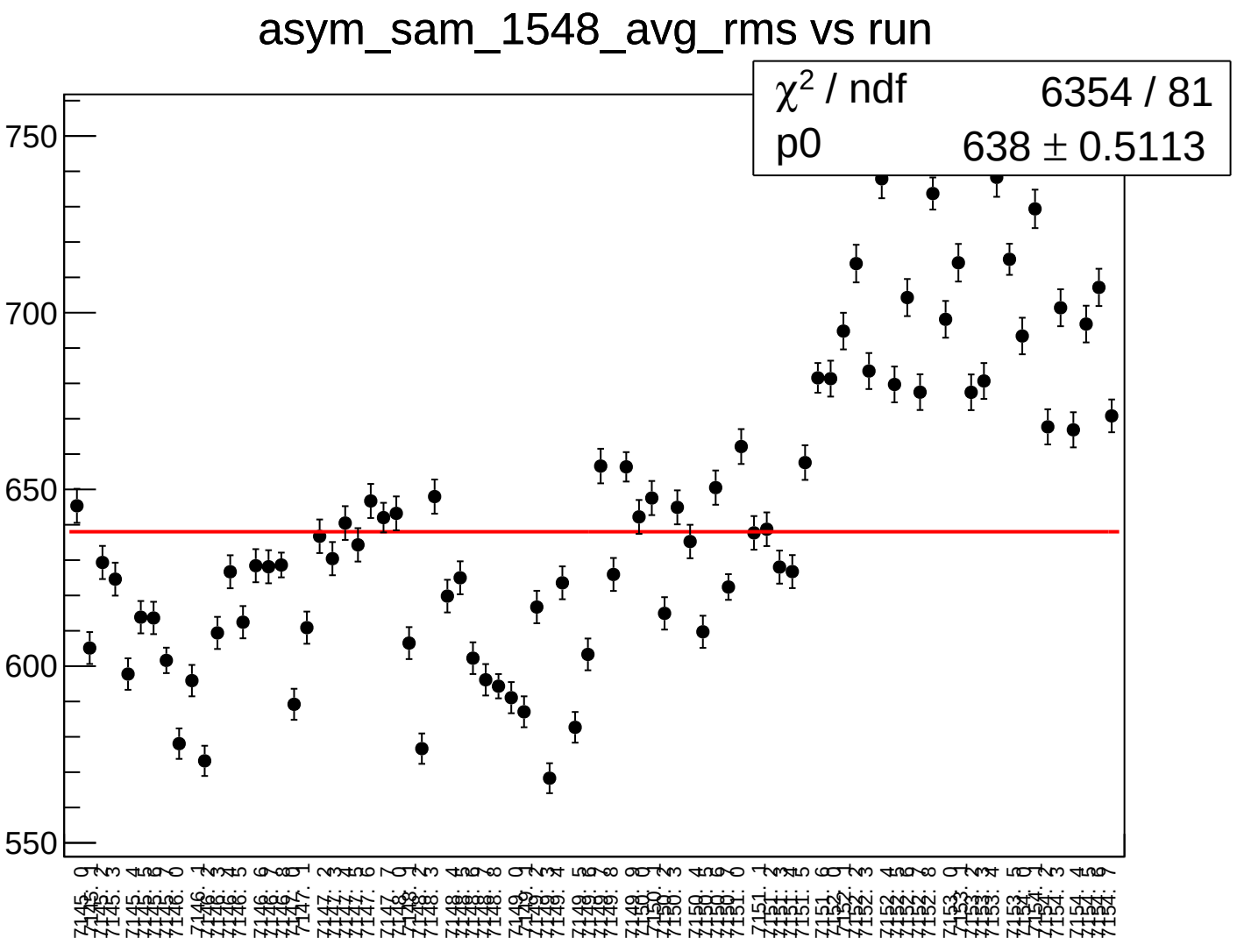

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 86.28 / 81
p0 −1877 ± 729.1
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 514.5
Std Dev 446.7
2
1
0
−1
−2

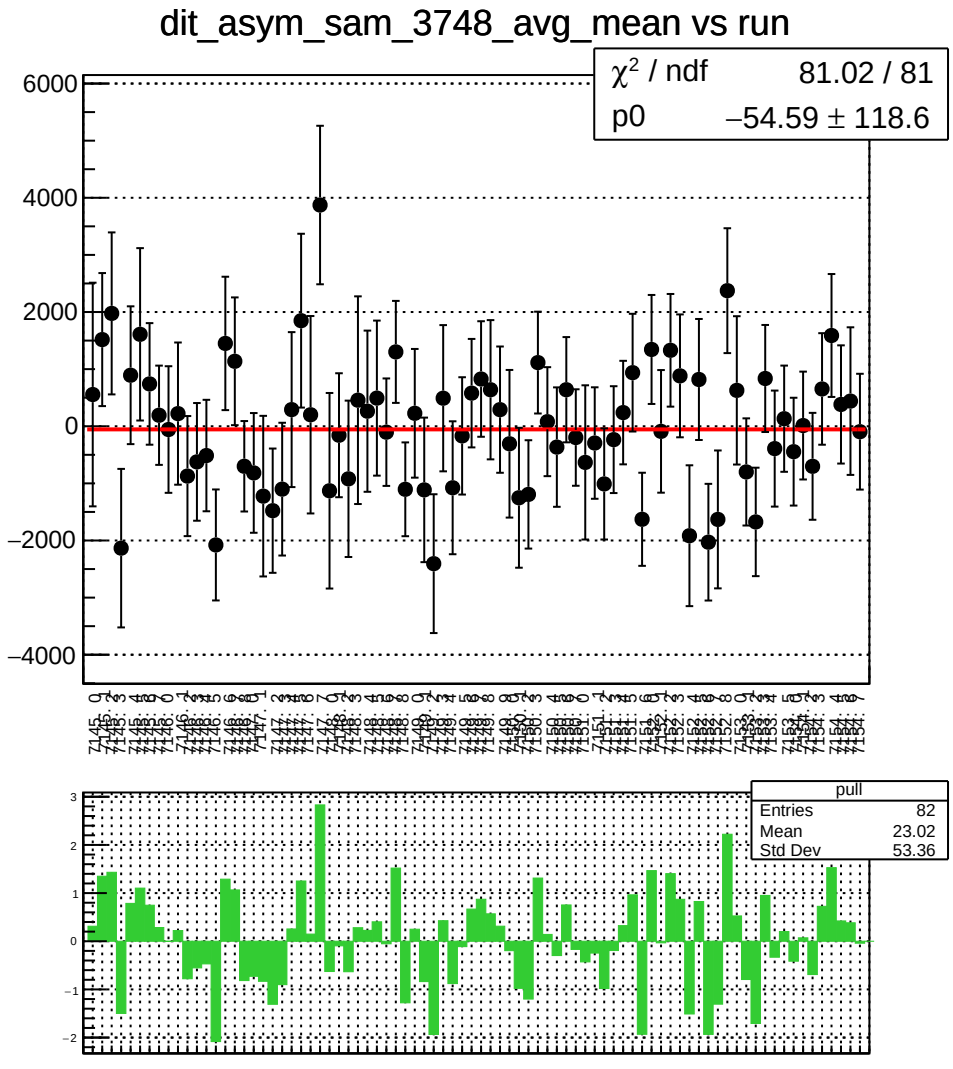

pull1D
Entries 82
Mean 0.003248
Std Dev 1.026
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

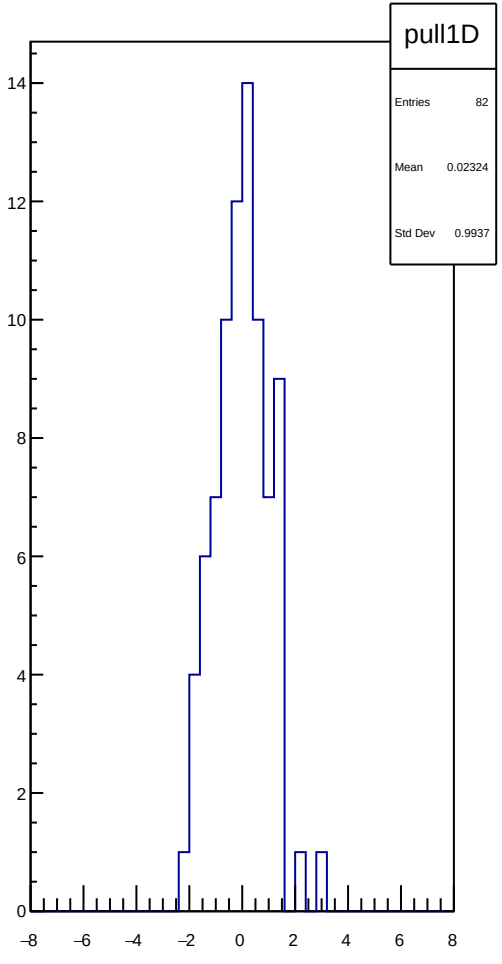

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 5713 / 81
p0 643.5 ± 0.5156
760
740
720
700
680
660
640
620
600
580
560

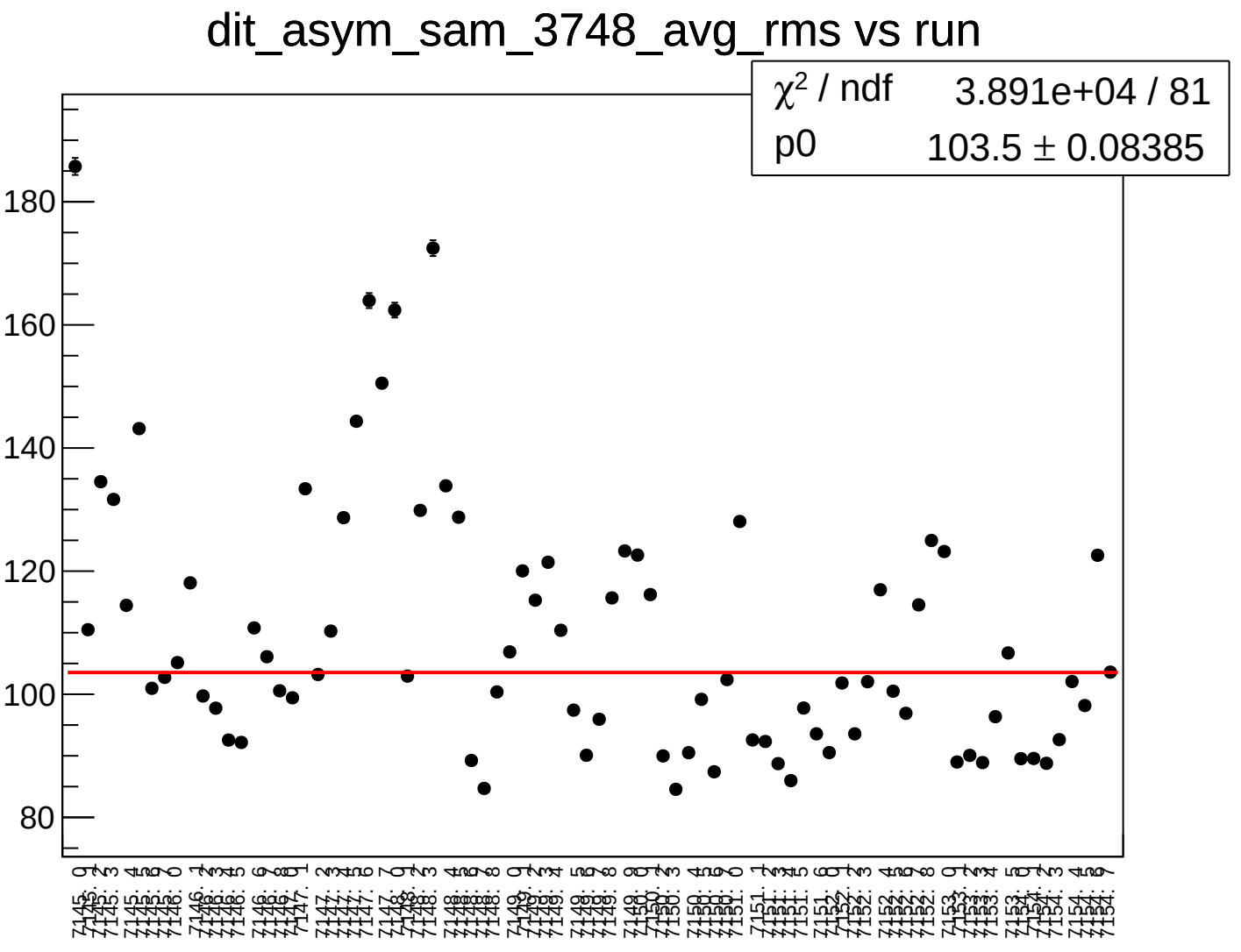

asym_sam_1548_avg_mean vs run
χ² / ndf 83.54 / 81
p0 1736 ± 723
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 1139
Std Dev 1078
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

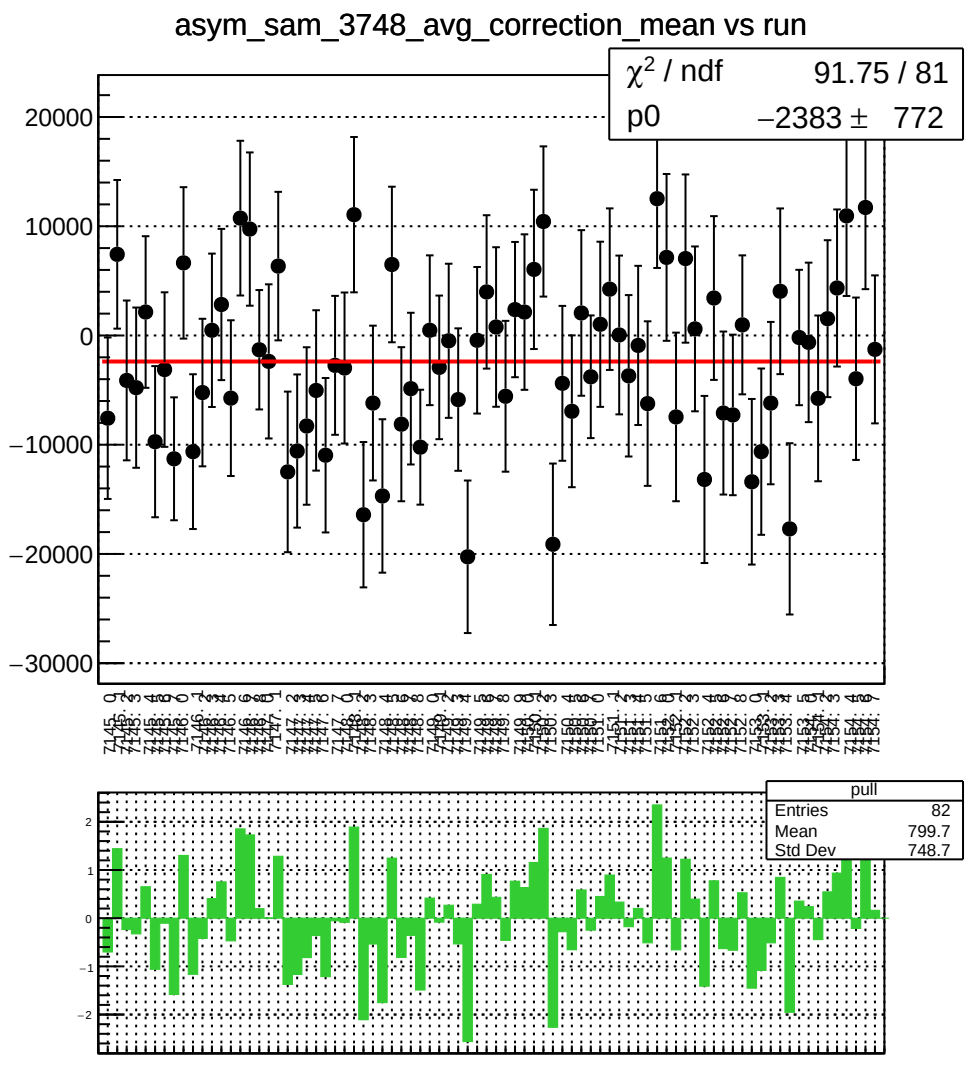

pull1D
Entries 82
Mean −0.001499
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

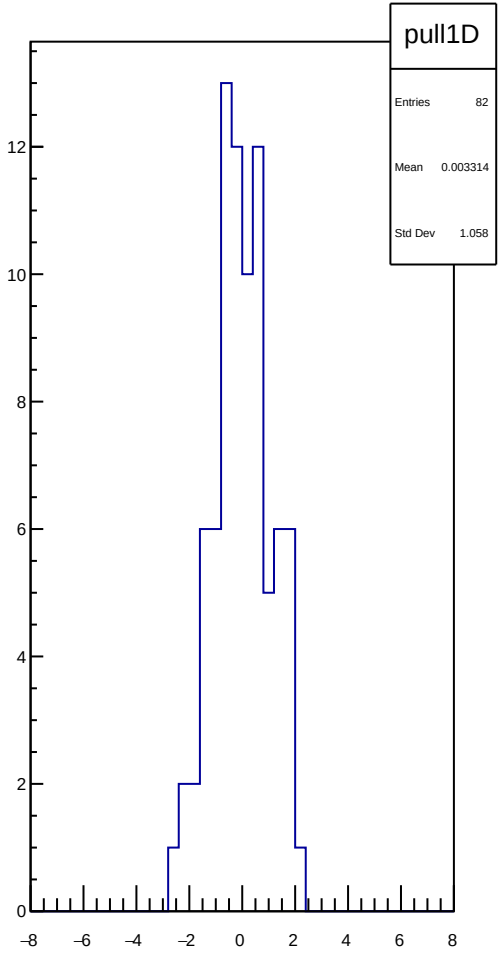

asym_sam_1548_avg_rms vs run
χ² / ndf 6354 / 81
p0 638 ± 0.5113
750
700
650
600
550

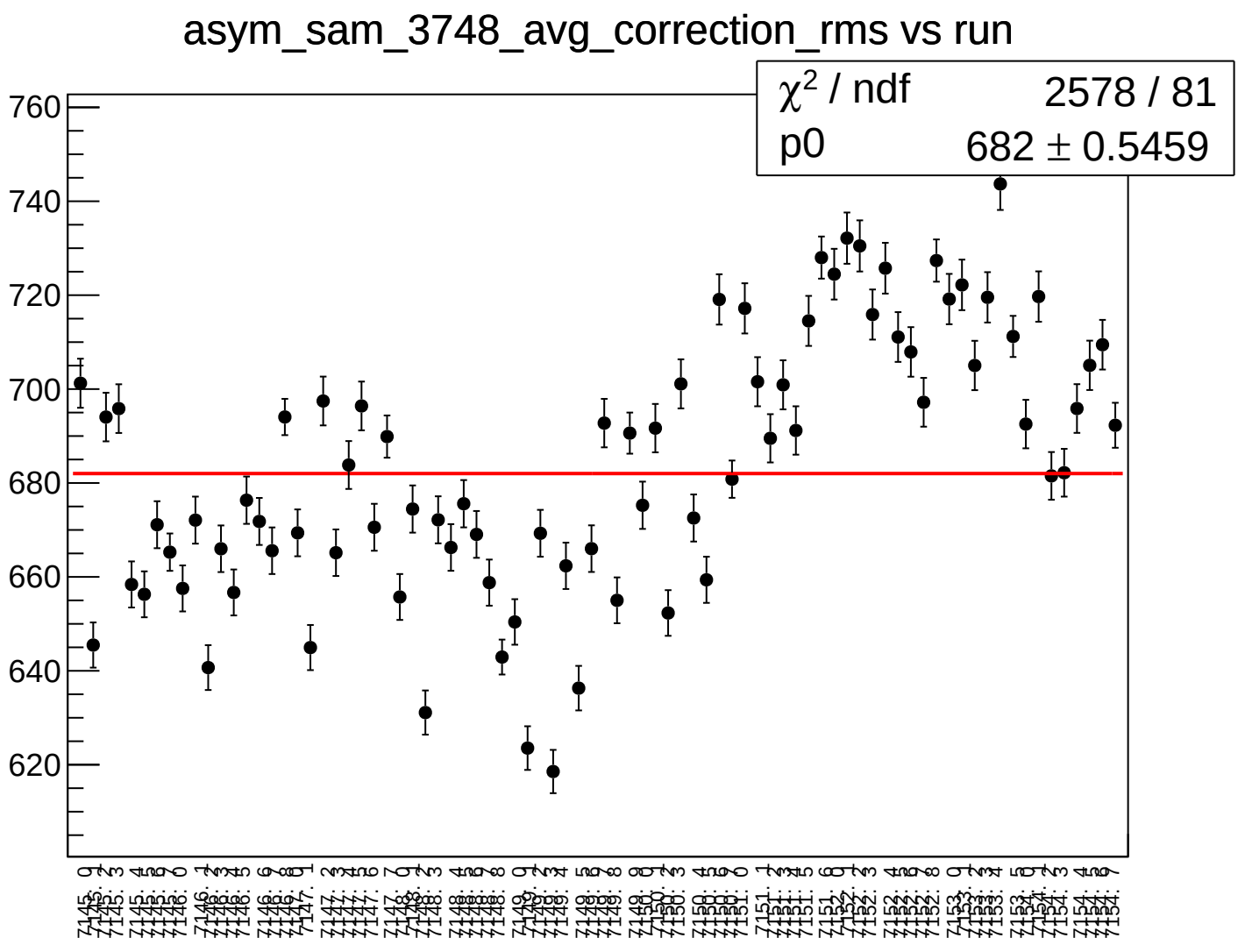

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.02 / 81
p0 −54.59 ± 118.6
pull
Entries 82
Mean 23.02
Std Dev 53.36

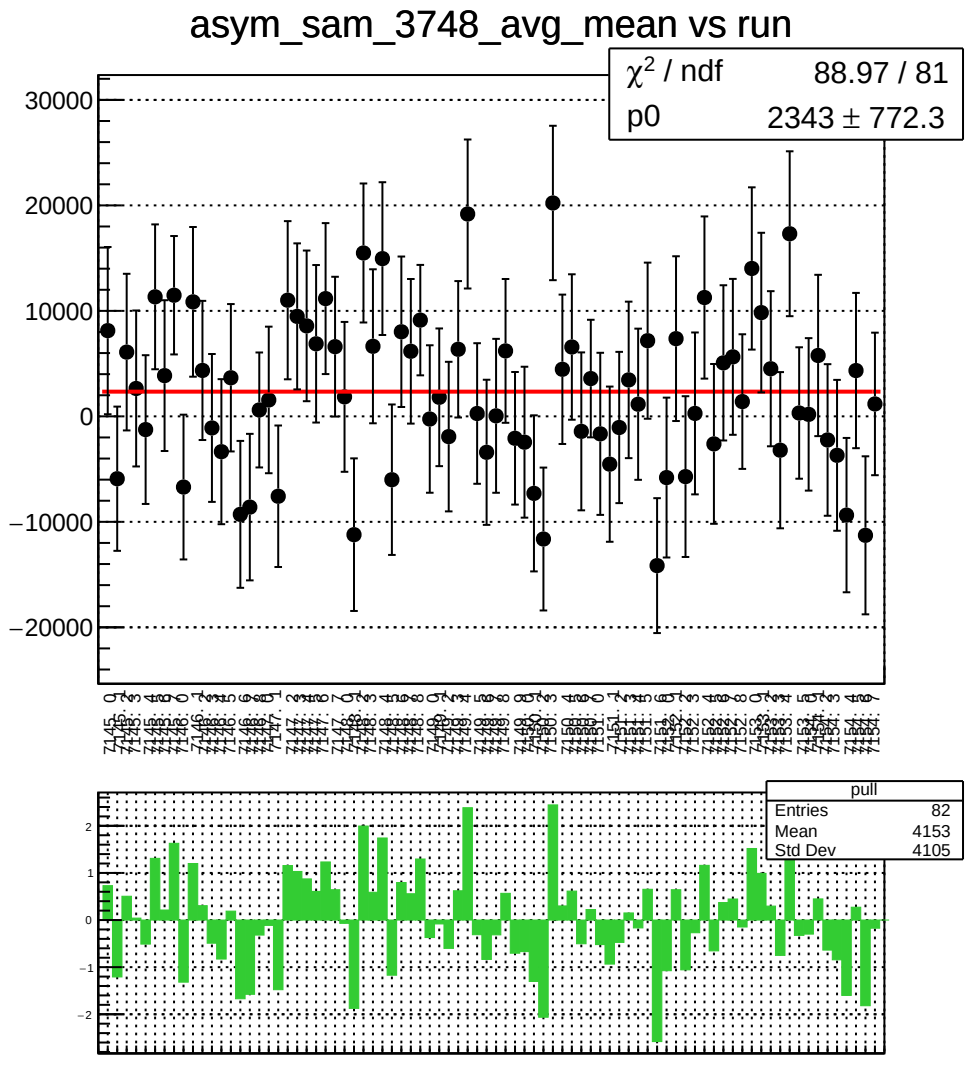

pull1D
Entries 82
Mean 0.02324
Std Dev 0.9937

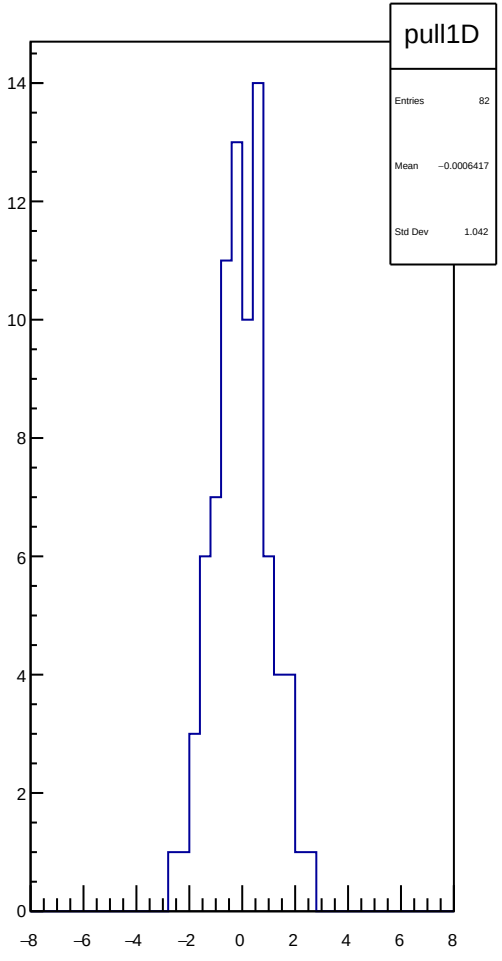

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 3.891e+04 / 81
p0 103.5 ± 0.08385
180
160
140
120
100
80

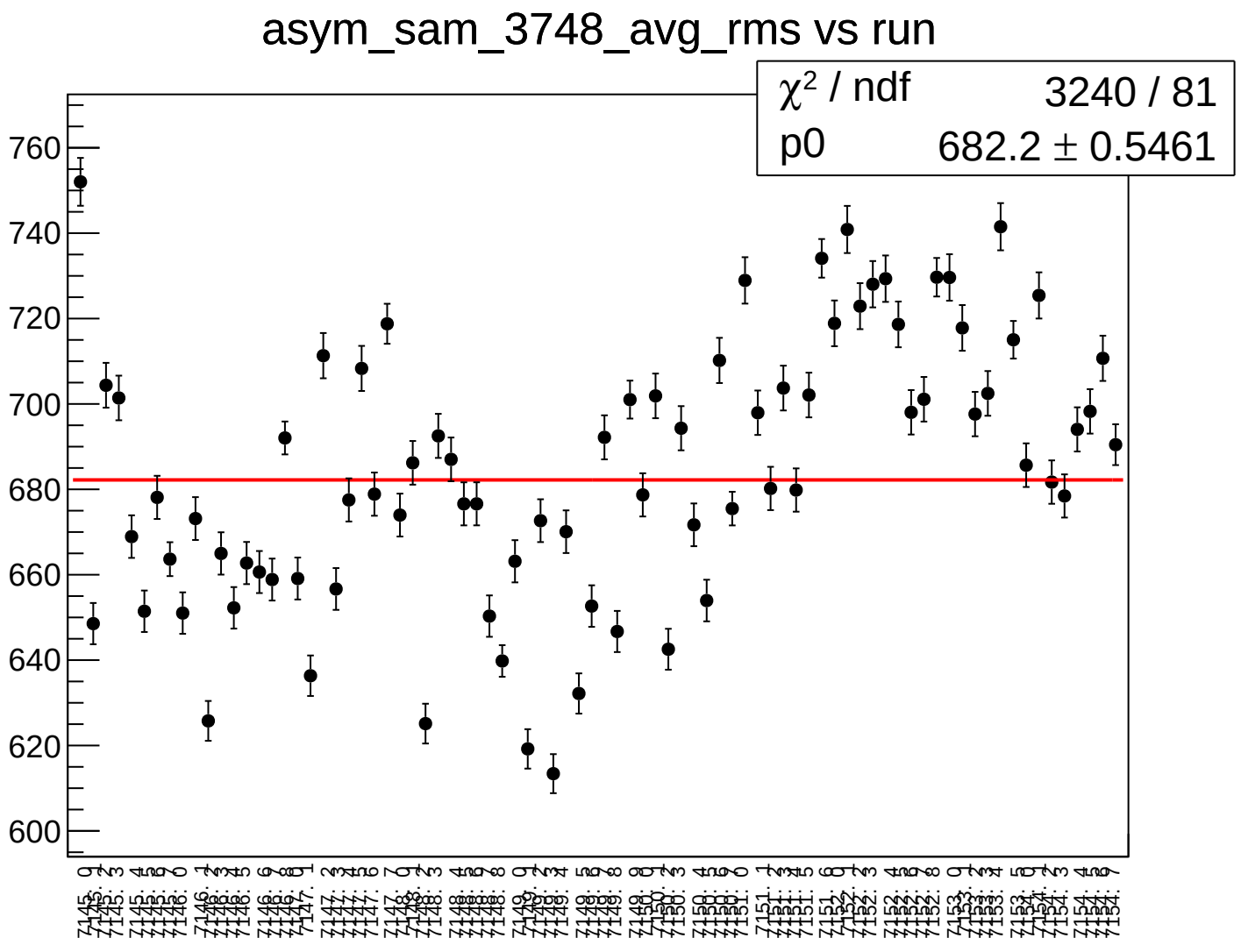

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 91.75 / 81
p0 −2383 ± 772
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 799.7
Std Dev 748.7
2
1
0
−1
−2

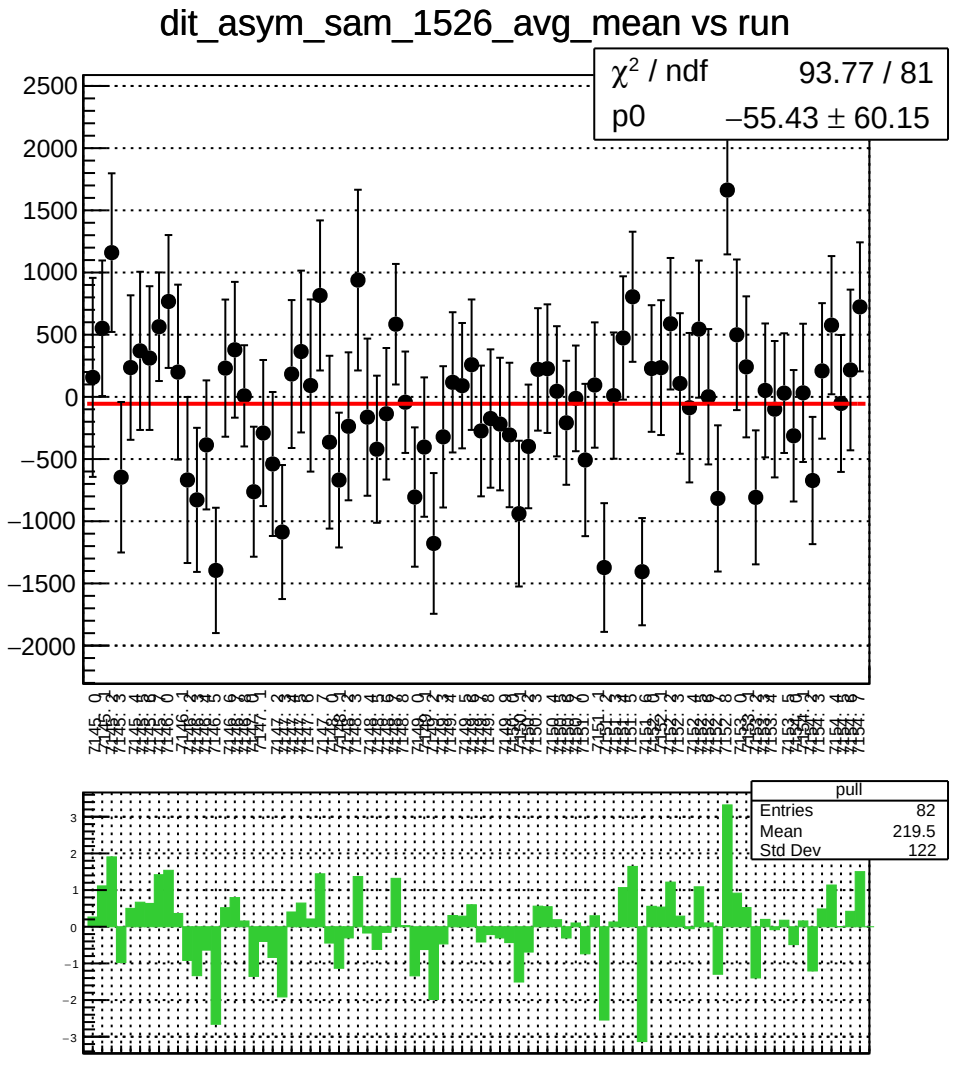

pull1D
Entries 82
Mean 0.003314
Std Dev 1.058
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

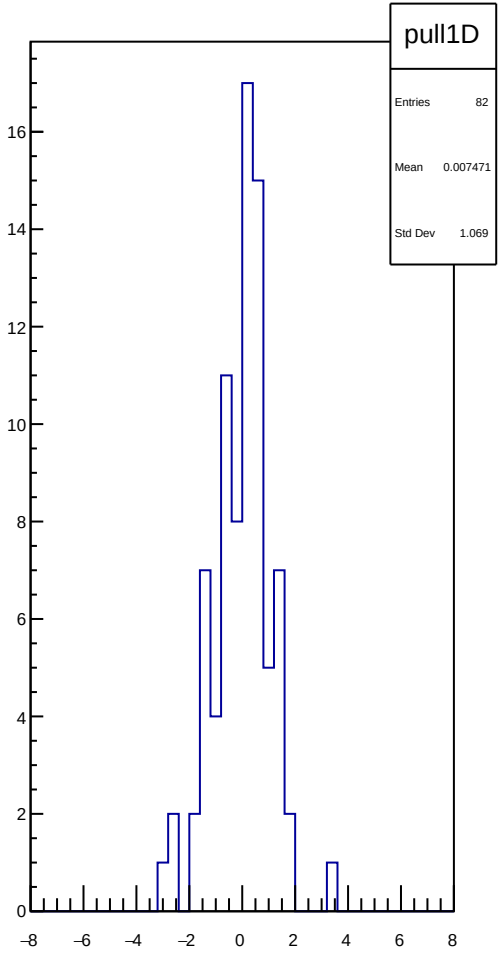

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2578 / 81
p0 682 ± 0.5459
760
740
720
700
680
660
640
620

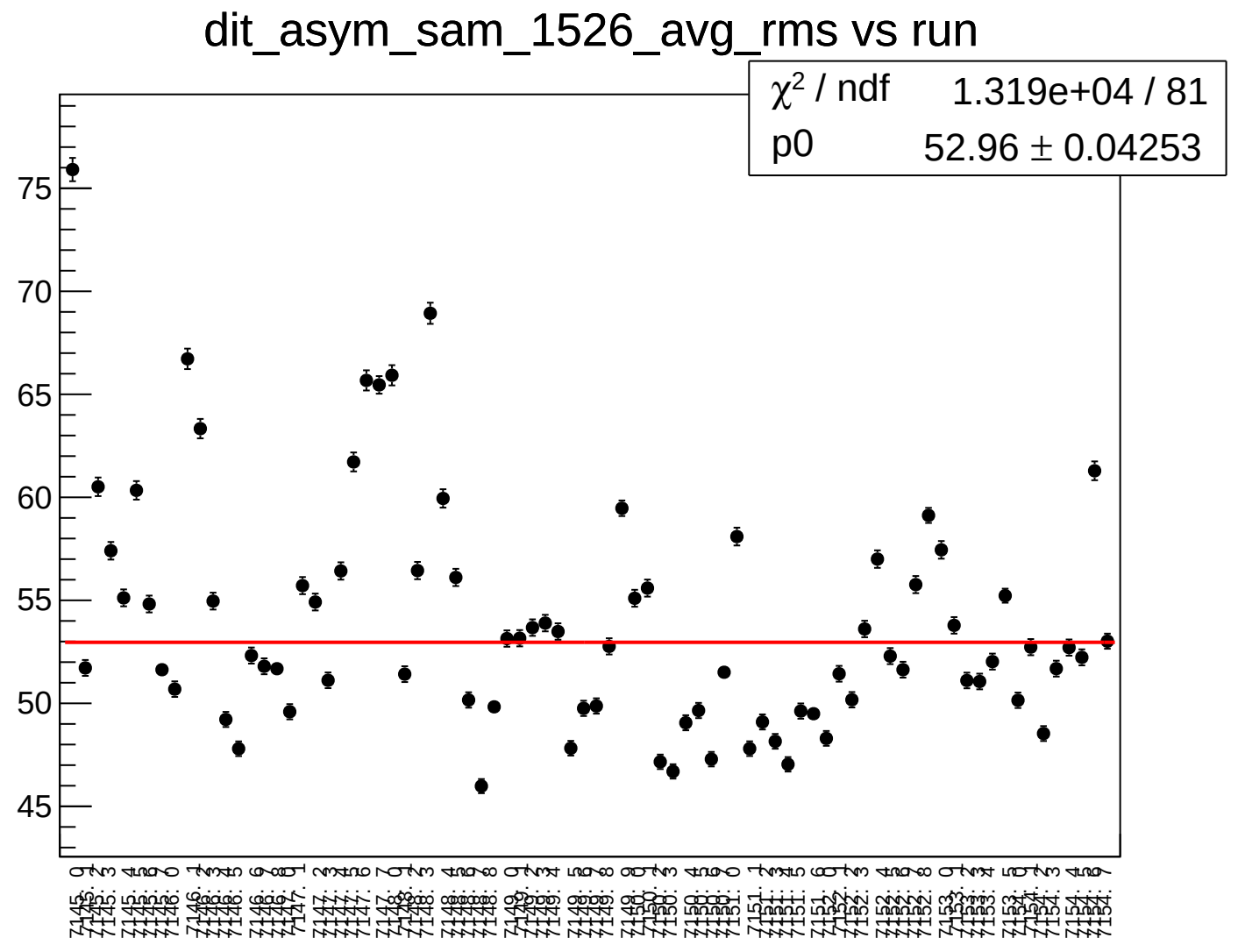

asym_sam_3748_avg_mean vs run
χ² / ndf 88.97 / 81
p0 2343 ± 772.3
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 4153
Std Dev 4105
2
1
0
−1
−2

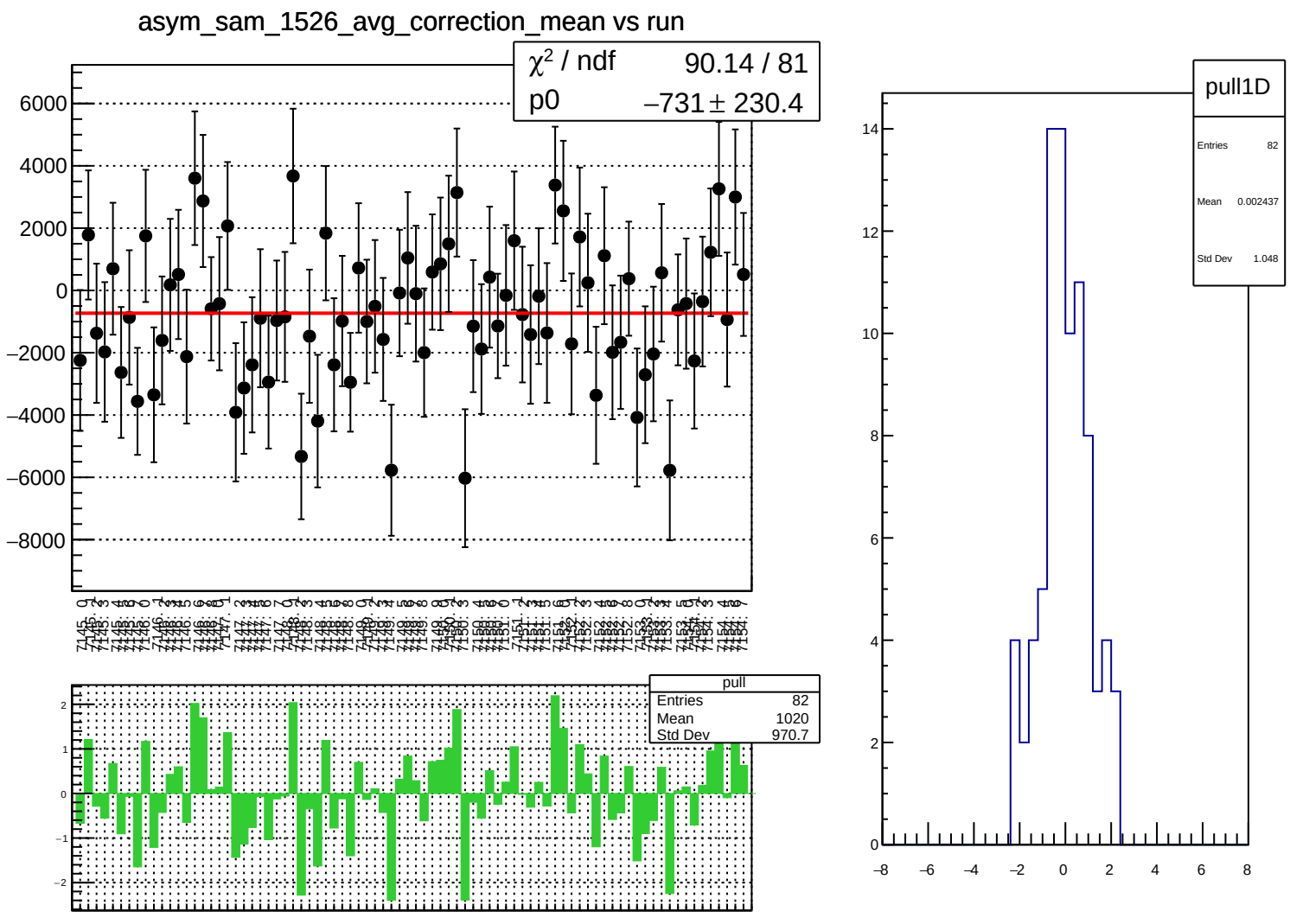

pull1D
Entries 82
Mean −0.0006417
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

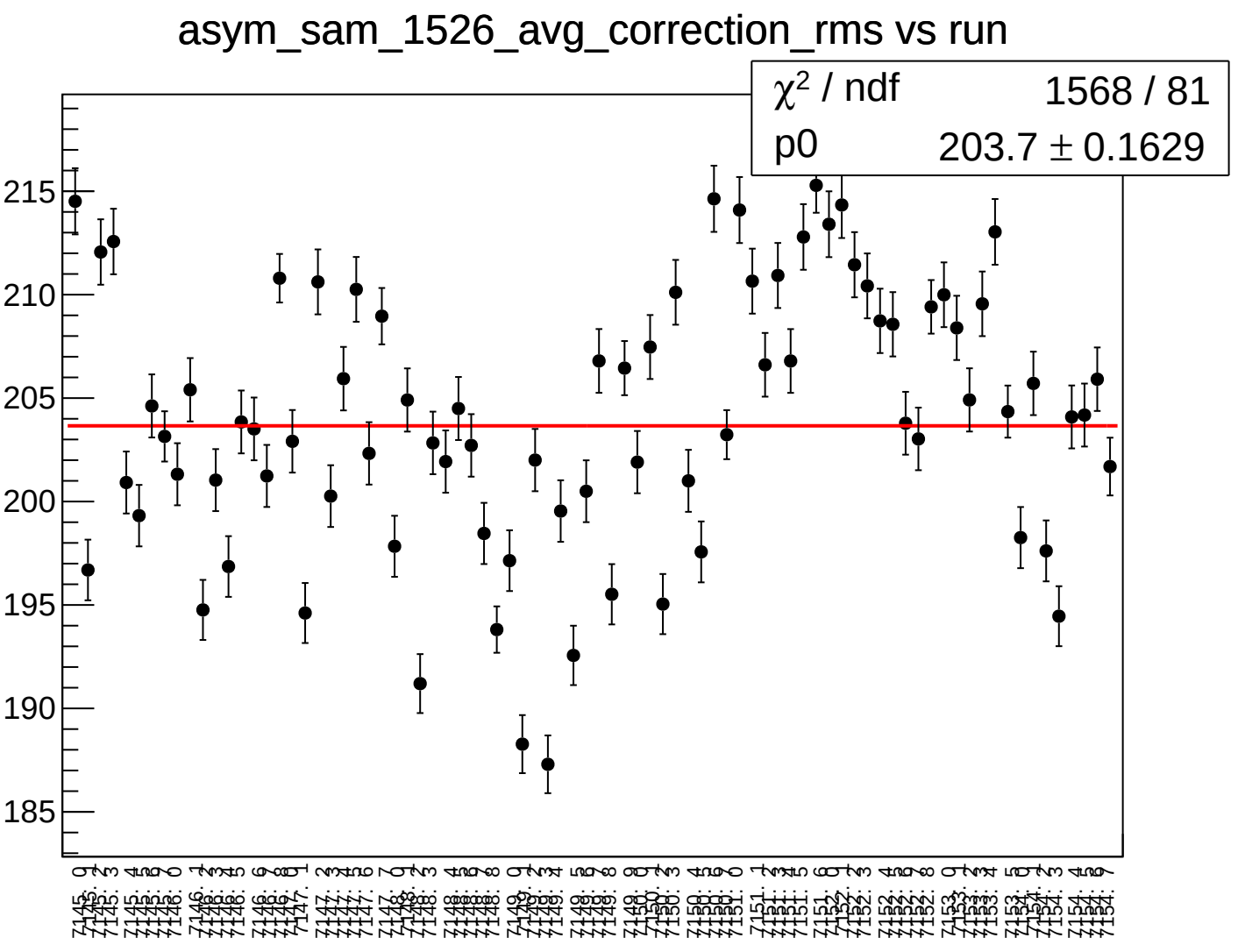

asym_sam_3748_avg_rms vs run
χ² / ndf 3240 / 81
p0 682.2 ± 0.5461
760
740
720
700
680
660
640
620
600

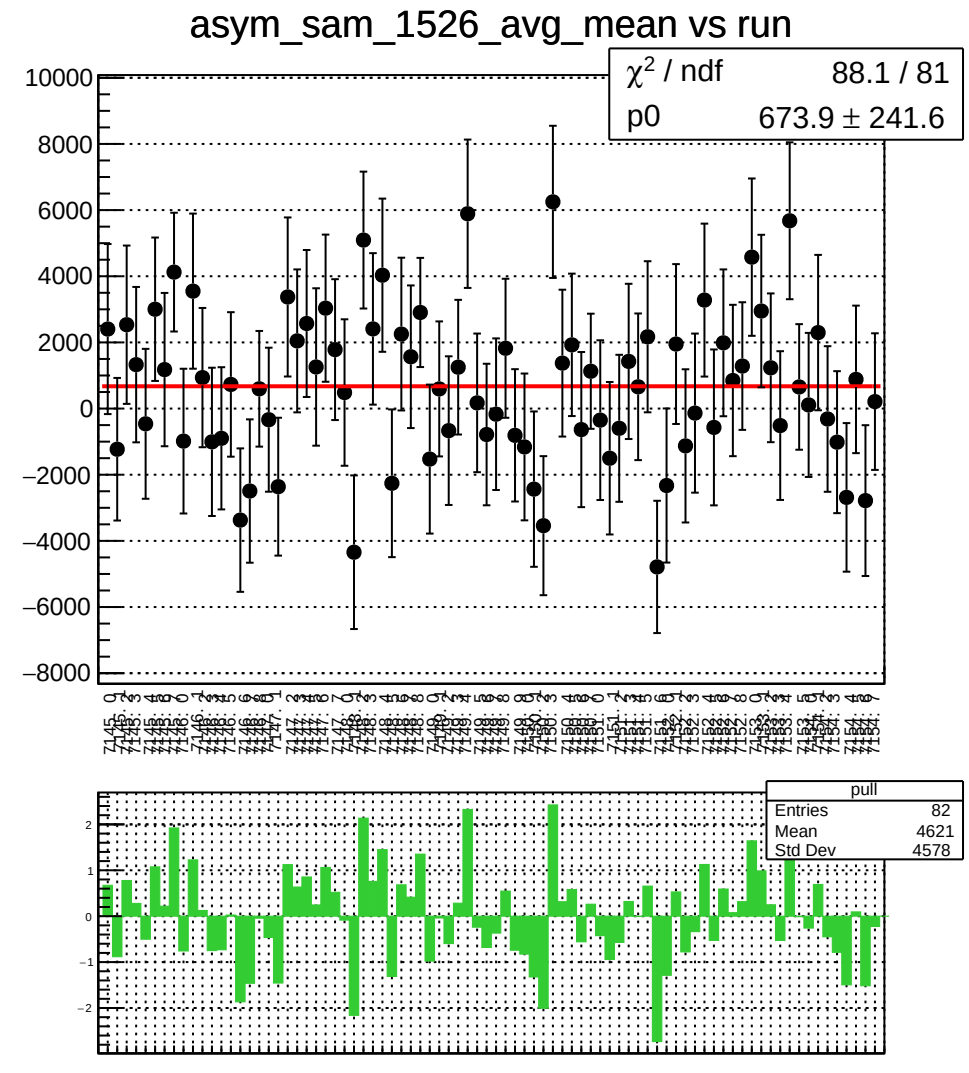

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 93.77 / 81
p0 −55.43 ± 60.15
pull
Entries 82
Mean 219.5
Std Dev 122

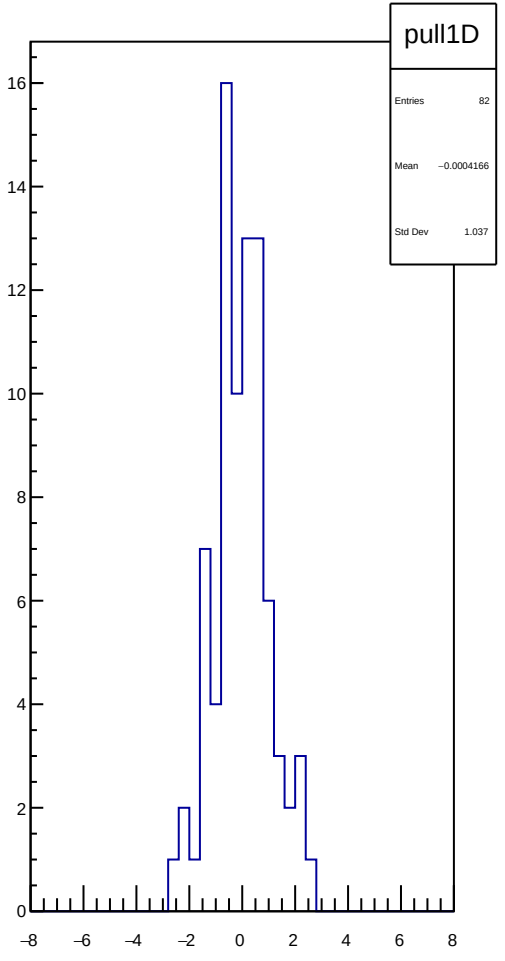

pull1D
Entries 82
Mean 0.007471
Std Dev 1.069

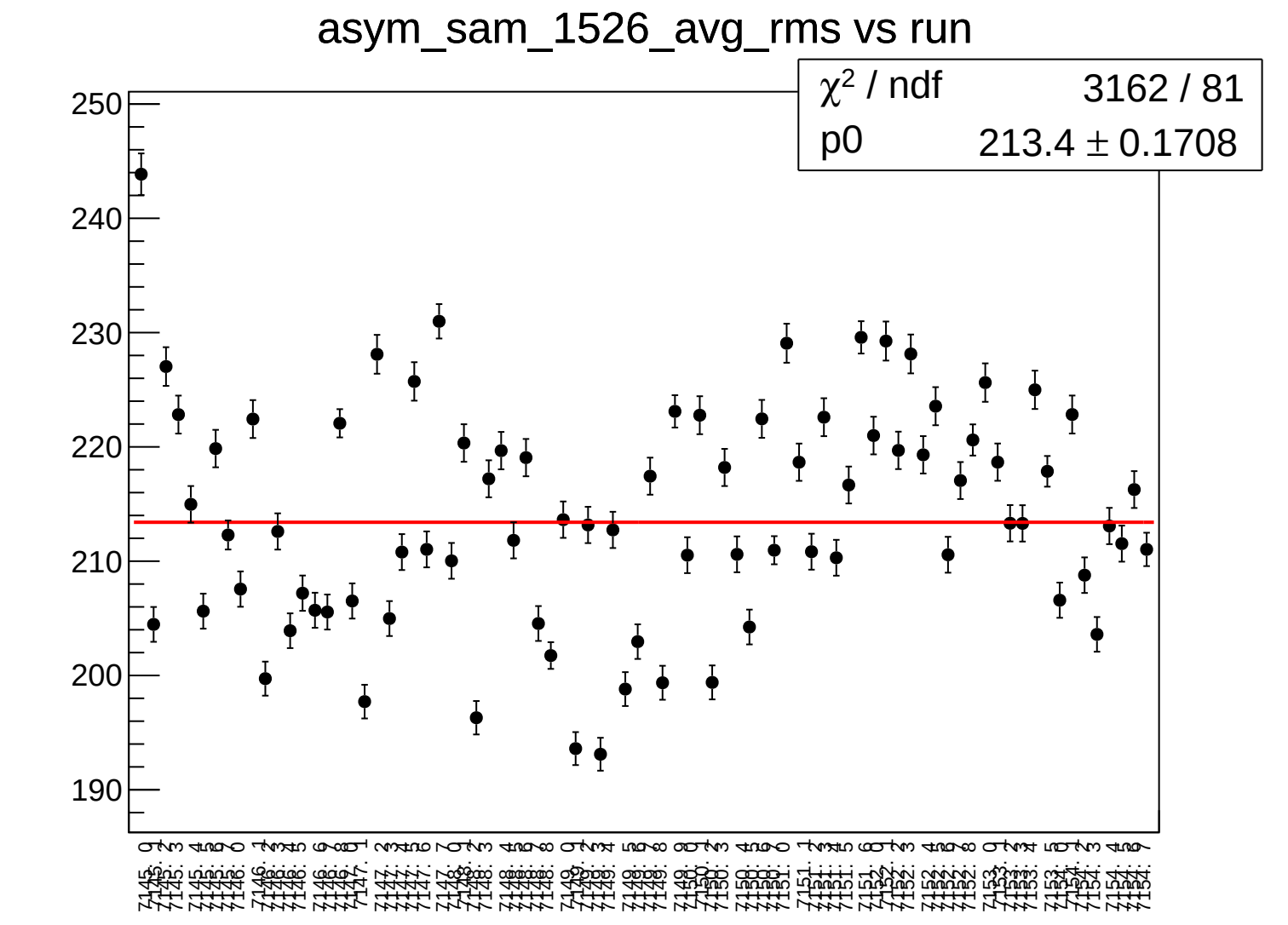

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.319e+04 / 81
p0 52.96 ± 0.04253
75
70
65
60
55
50
45

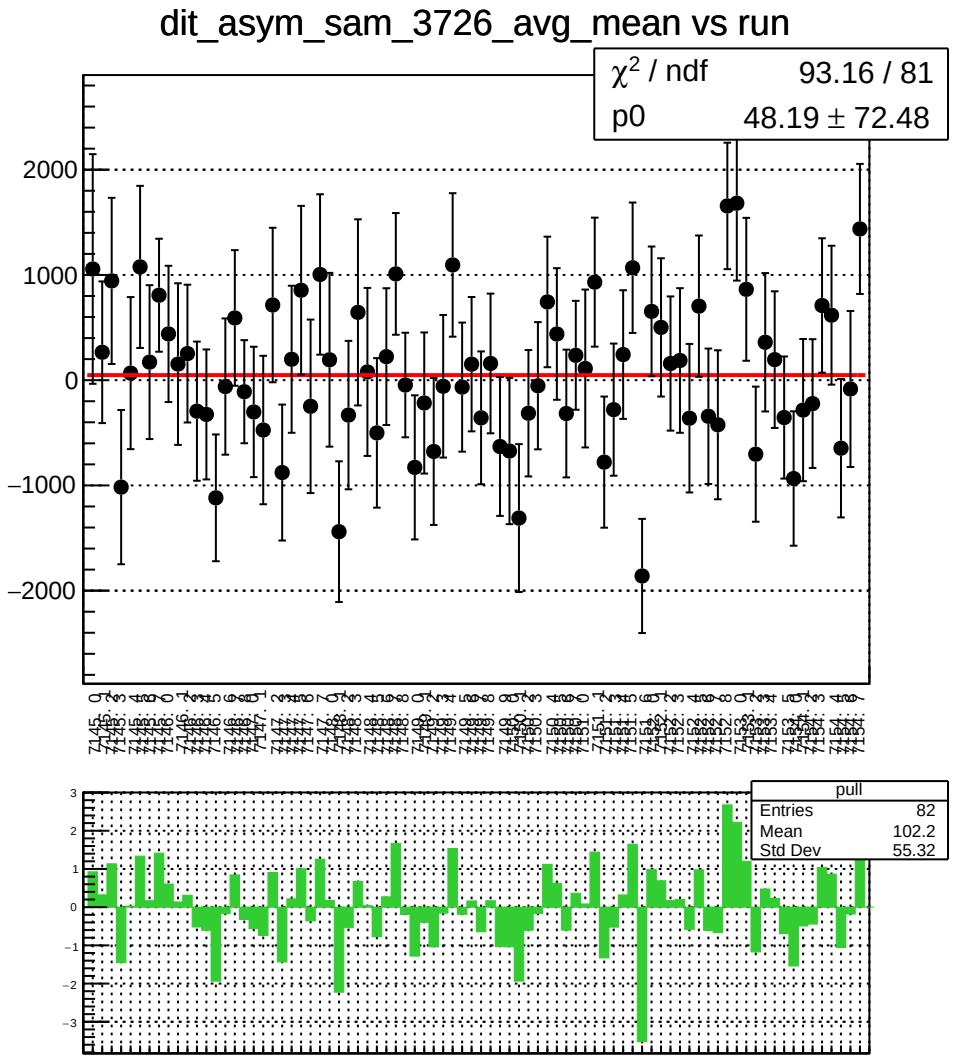

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 90.14 / 81
p0 −731 ± 230.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 82
Mean 1020
Std Dev 970.7
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.002437
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

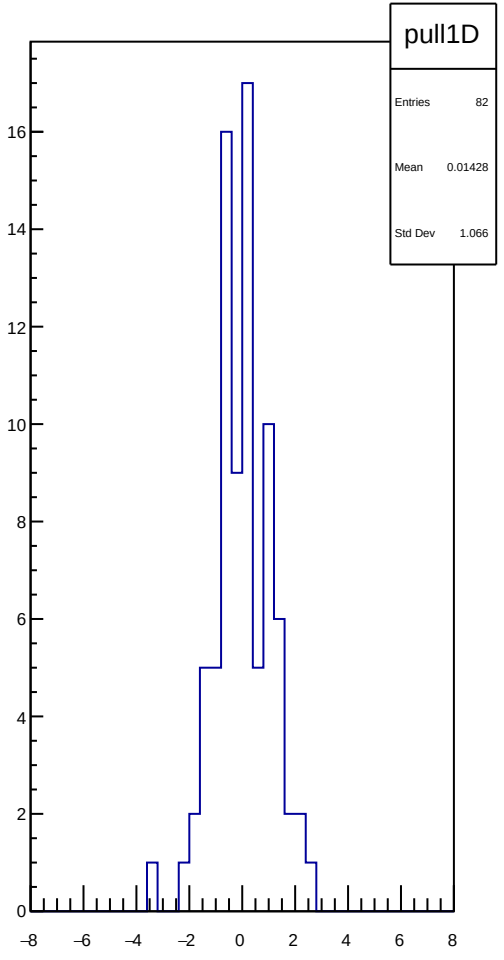

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1568 / 81
p0 203.7 ± 0.1629
215
210
205
200
195
190
185

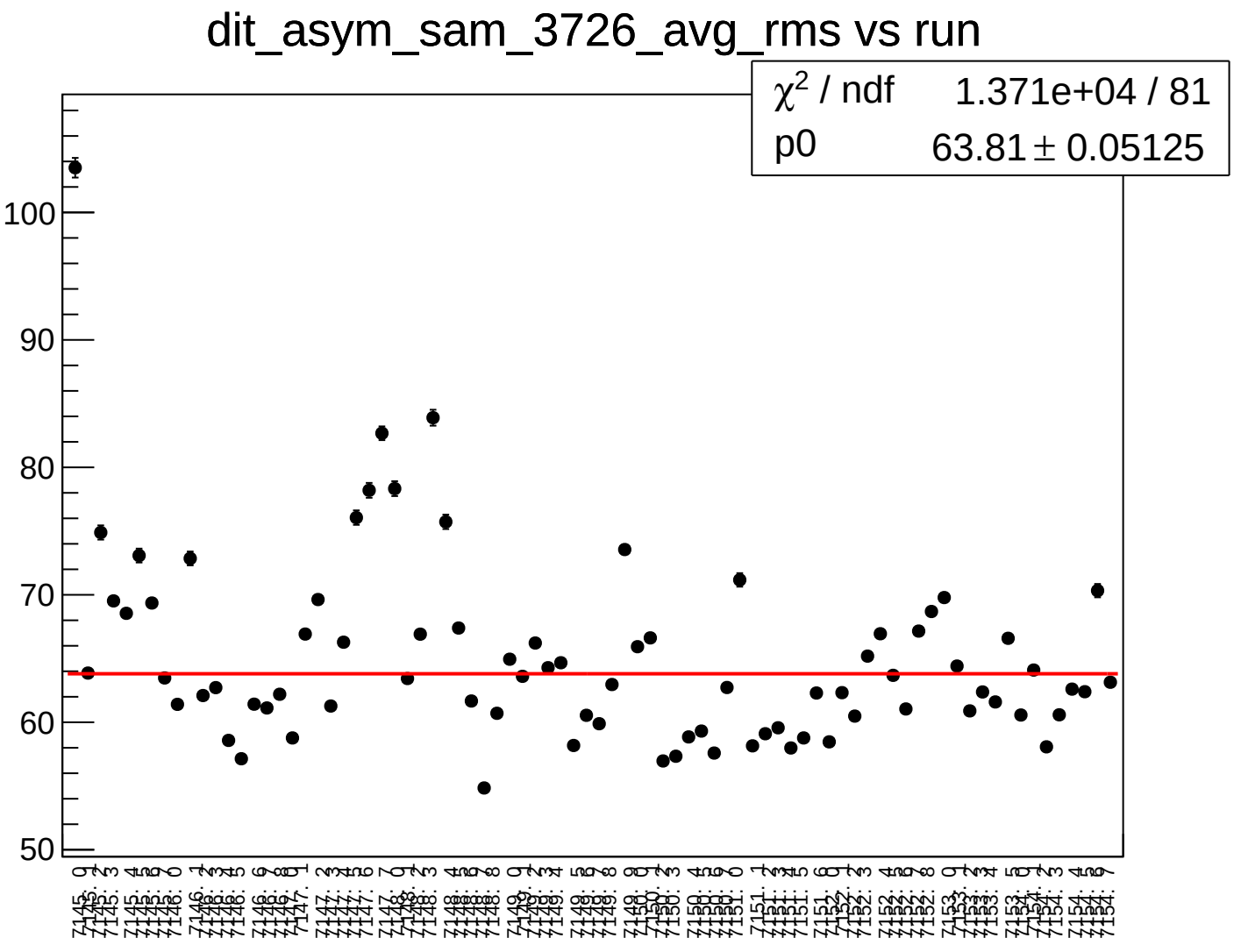

asym_sam_1526_avg_mean vs run
χ² / ndf 88.1 / 81
p0 673.9 ± 241.6
pull
Entries 82
Mean 4621
Std Dev 4578

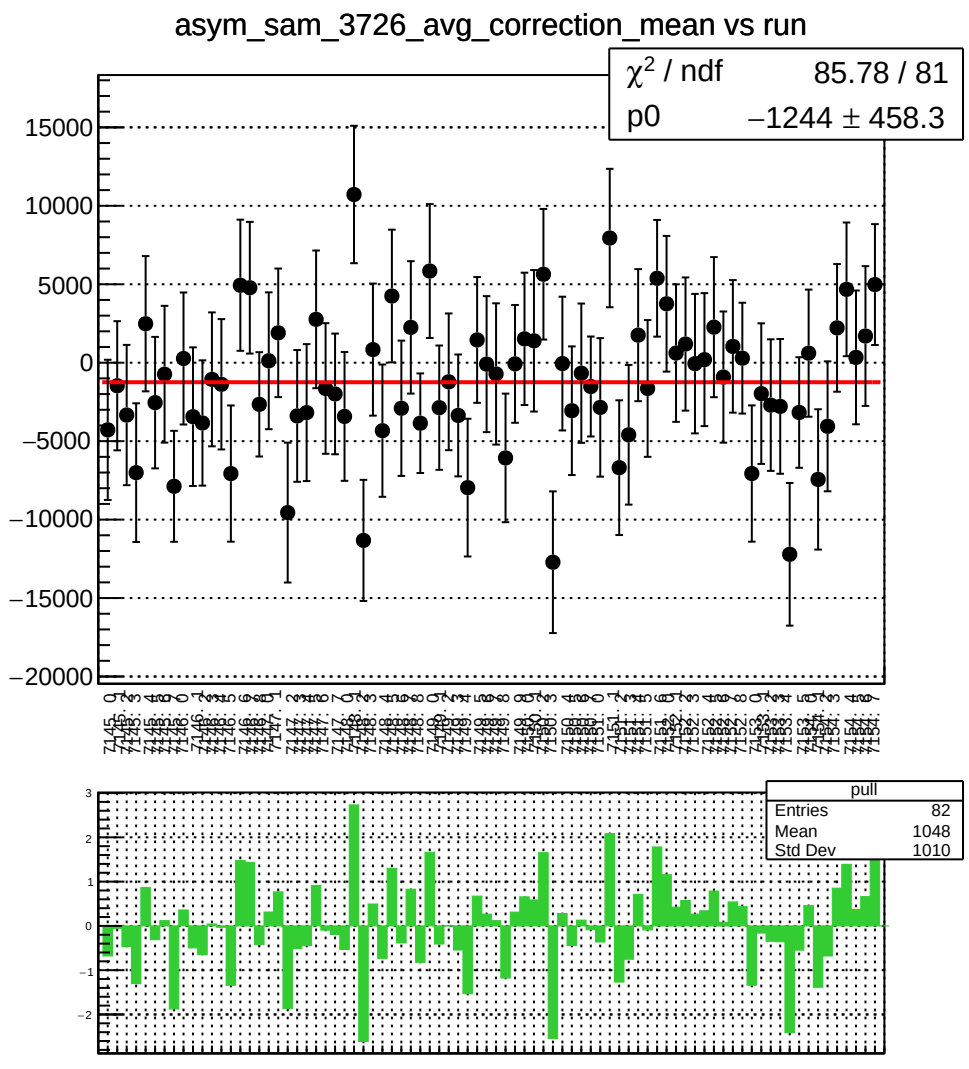

pull1D
Entries 82
Mean −0.0004166
Std Dev 1.037

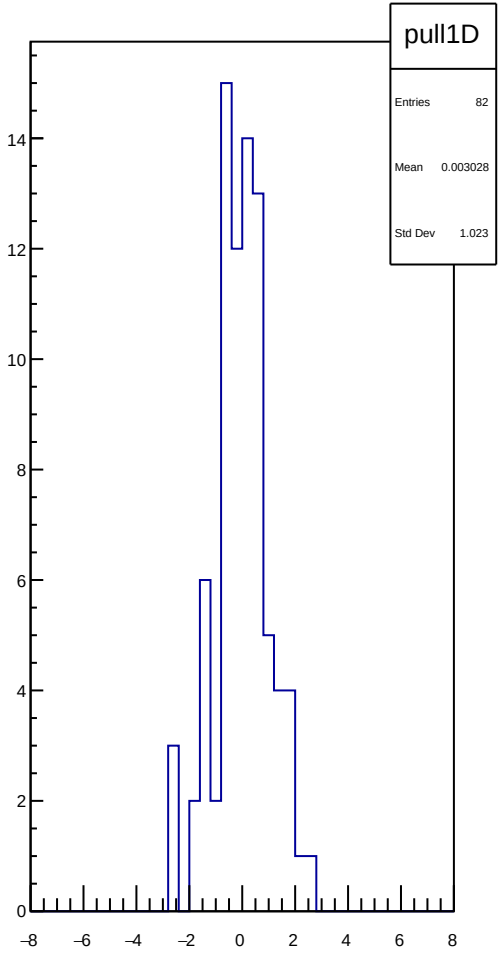

asym_sam_1526_avg_rms vs run
χ² / ndf 3162 / 81
p0 213.4 ± 0.1708
250
240
230
220
210
200
190

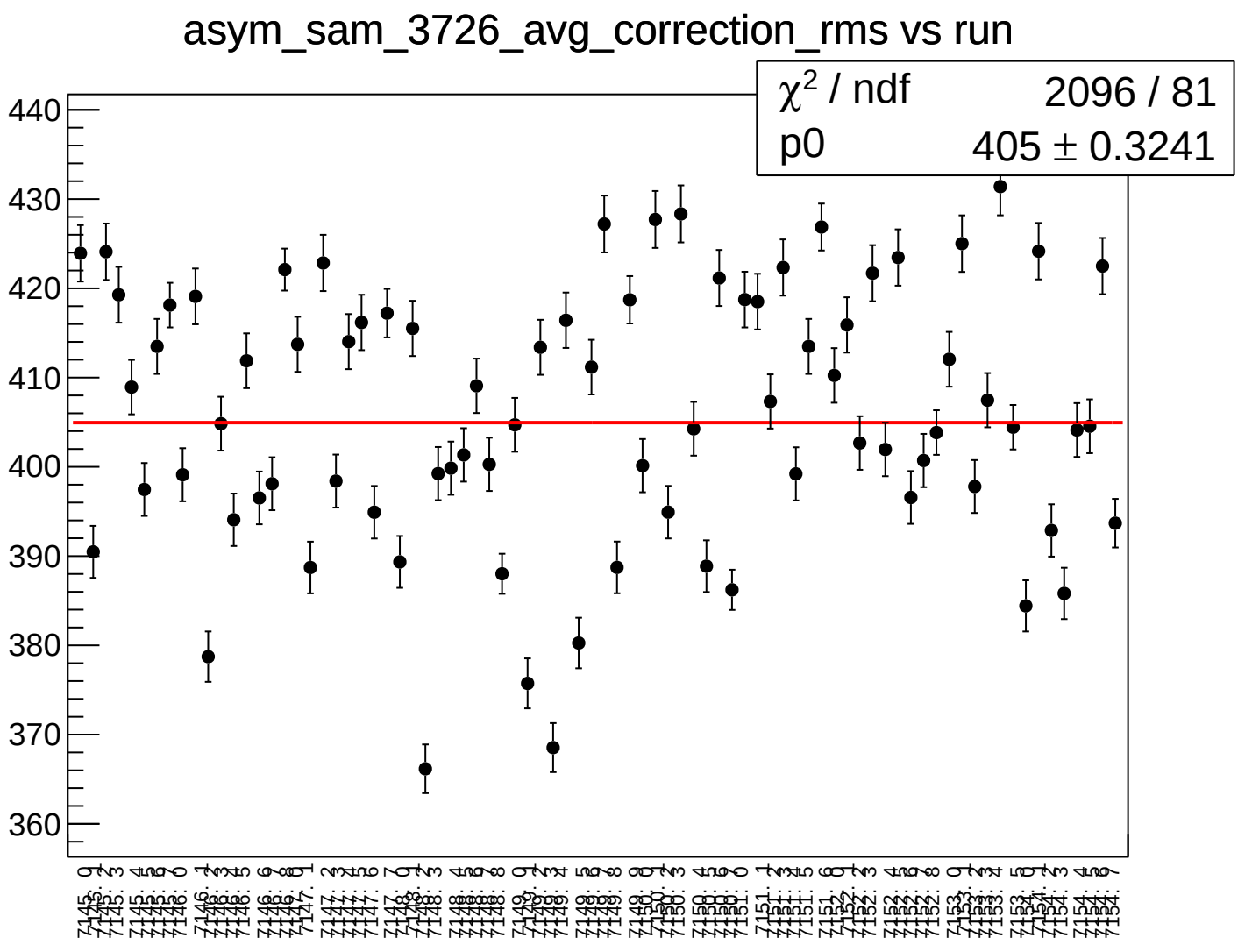

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 93.16 / 81
p0 48.19 ± 72.48
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 102.2
Std Dev 55.32
3
2
1
0
−1
−2
−3

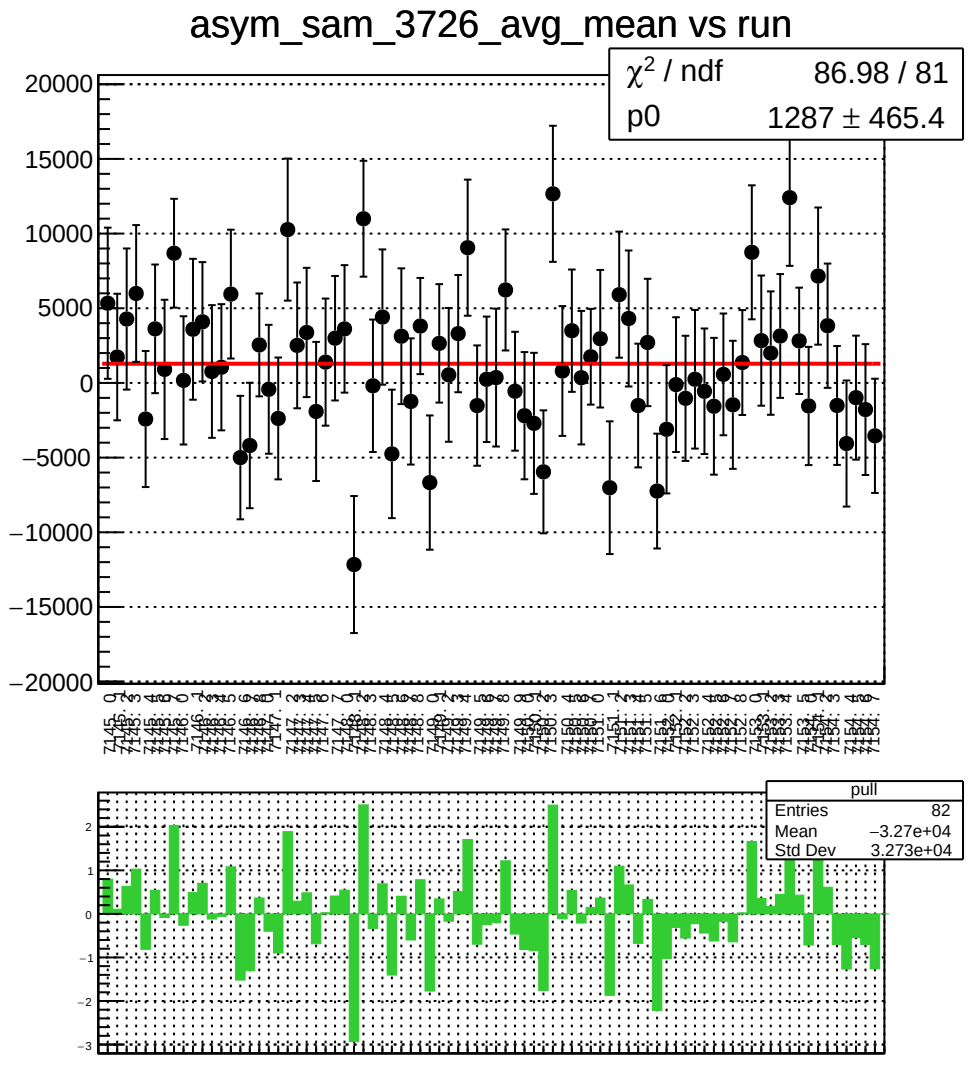

pull1D
Entries 82
Mean 0.01428
Std Dev 1.066
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

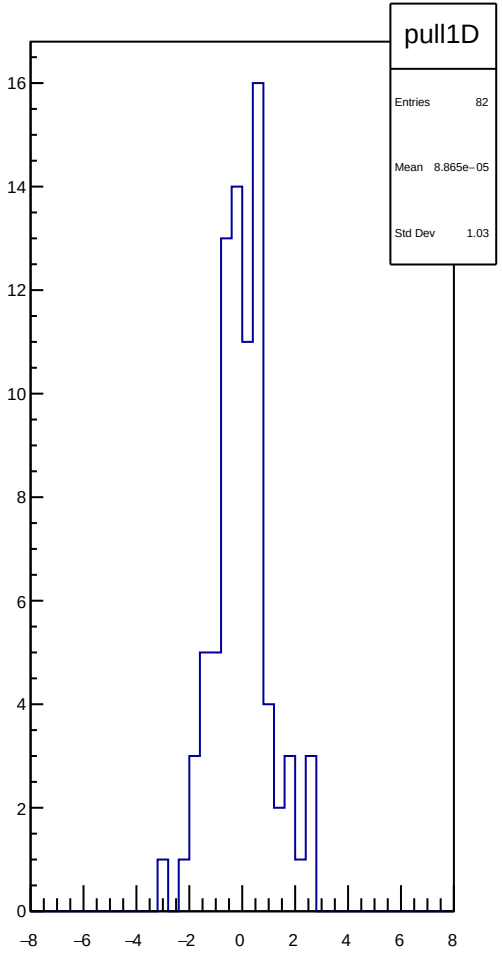

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.371e+04 / 81
p0 63.81 ± 0.05125
100
90
80
70
60
50

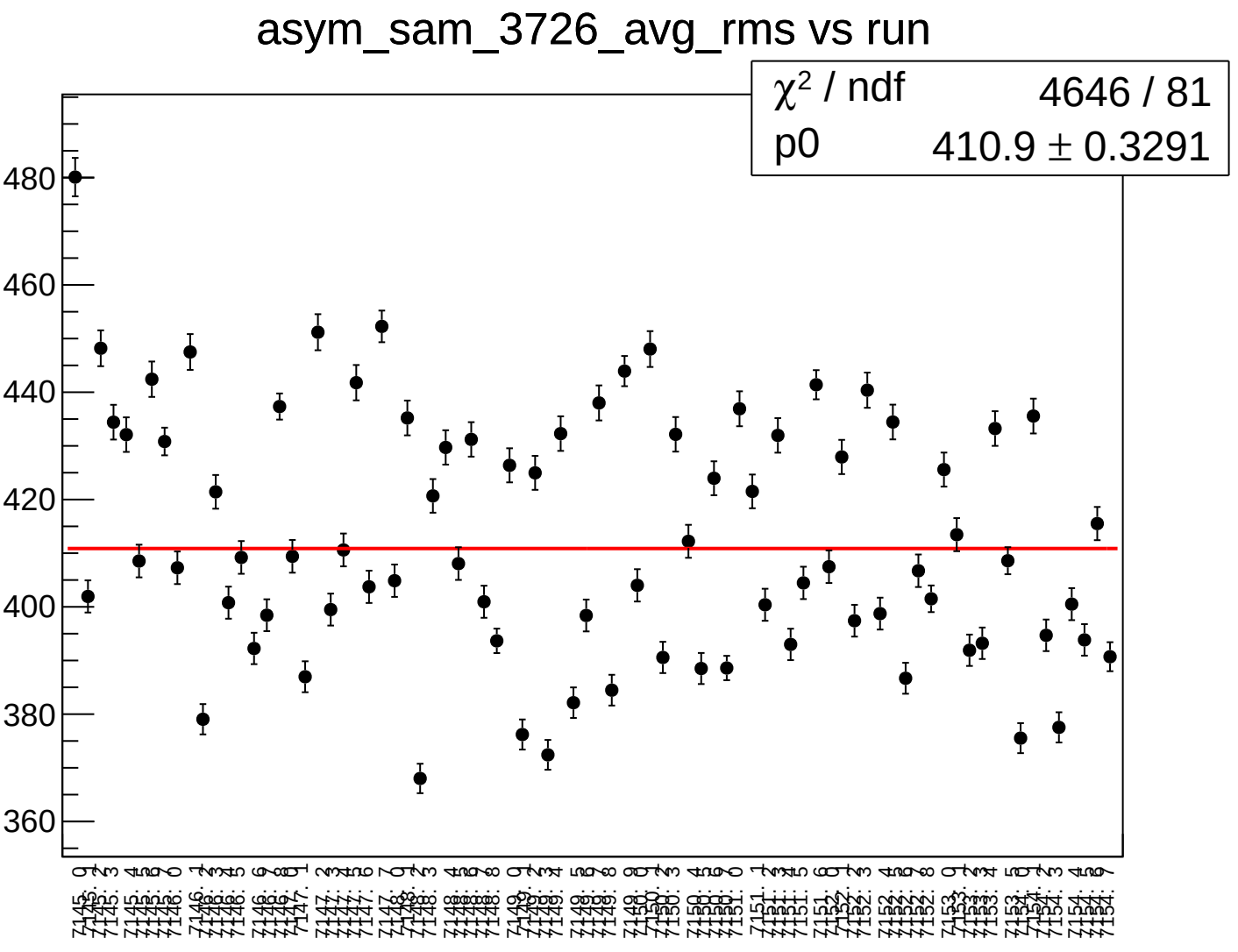

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 85.78 / 81
p0 −1244 ± 458.3
pull
Entries 82
Mean 1048
Std Dev 1010

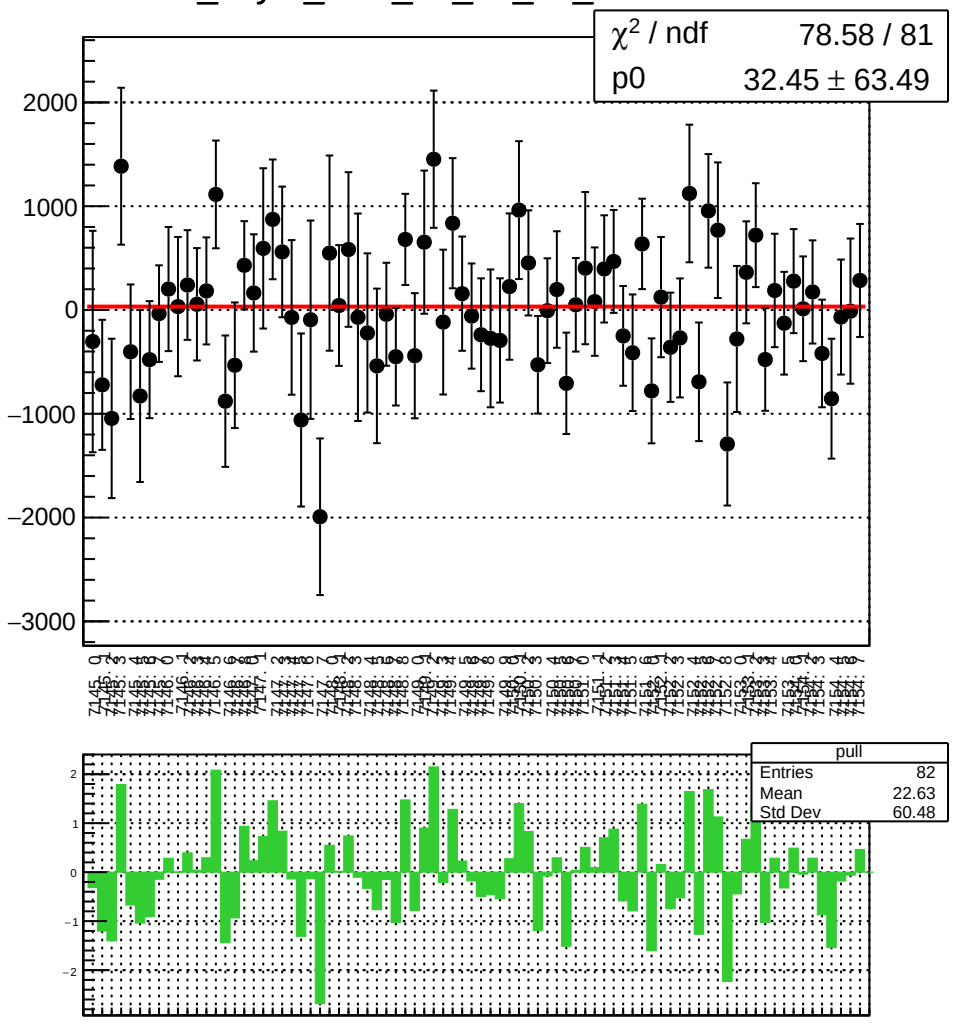

pull1D
Entries 82
Mean 0.003028
Std Dev 1.023

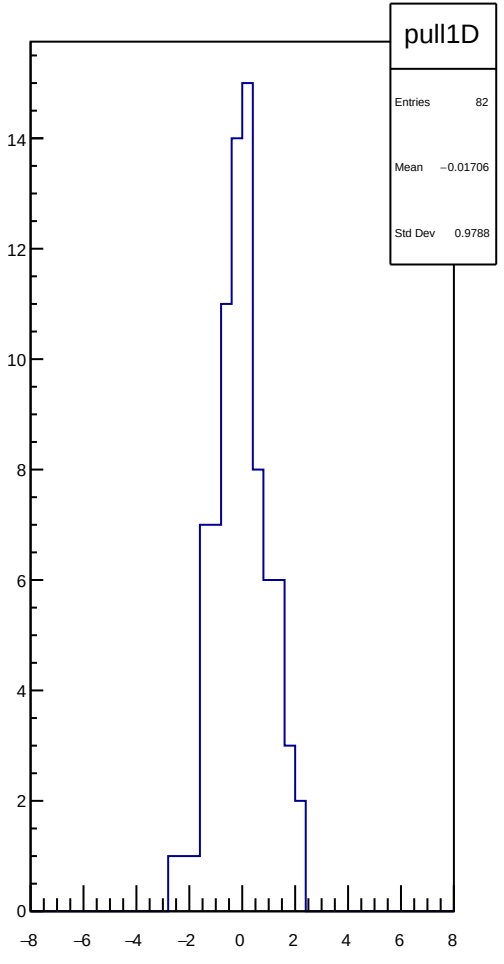

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2096 / 81
p0 405 ± 0.3241
440
430
420
410
400
390
380
370
360

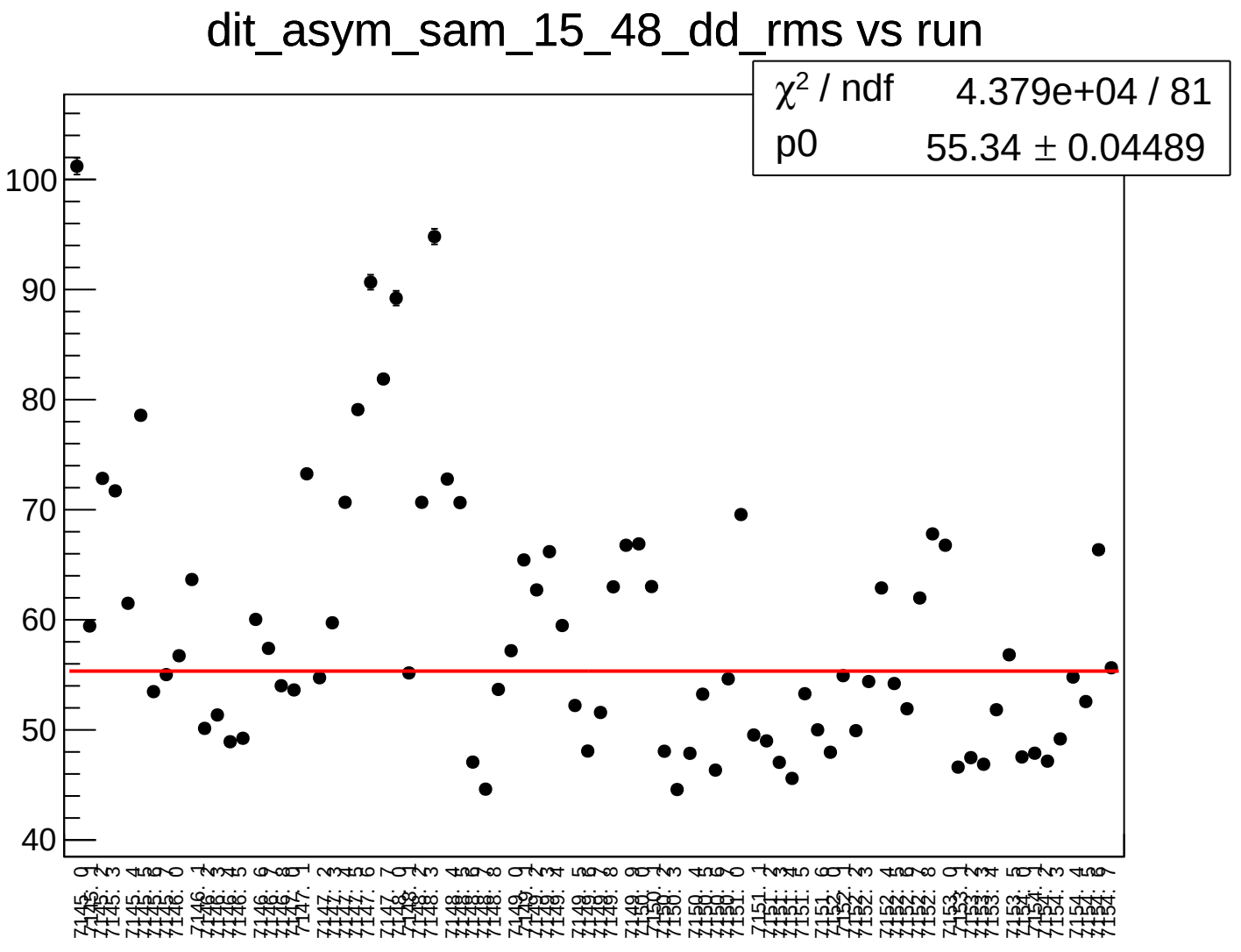

asym_sam_3726_avg_mean vs run
χ² / ndf 86.98 / 81
p0 1287 ± 465.4
pull
Entries 82
Mean −3.27e+04
Std Dev 3.273e+04

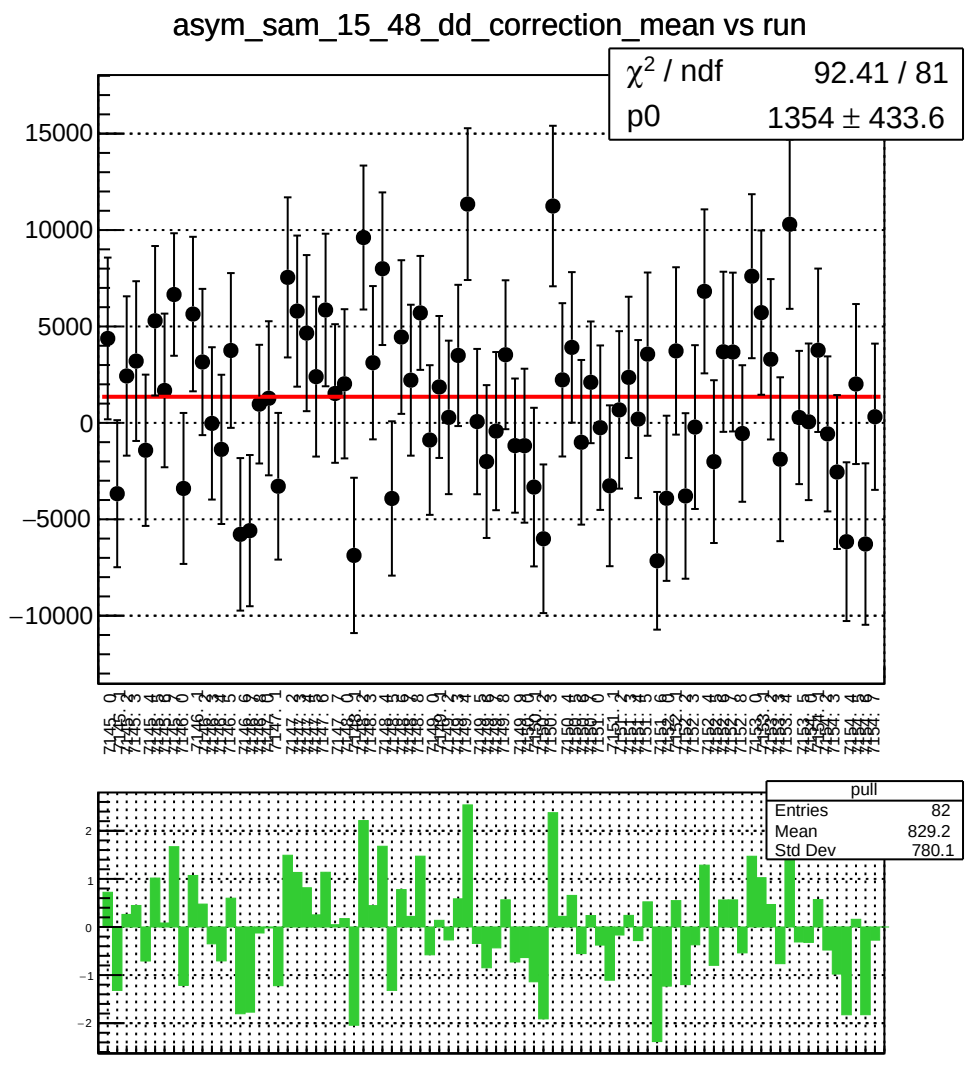

pull1D
Entries 82
Mean 8.865e−05
Std Dev 1.03

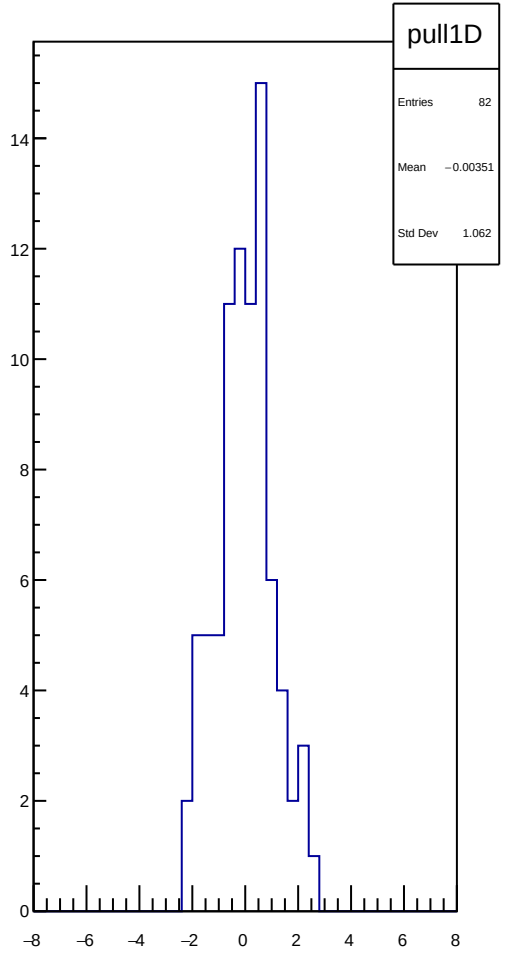

asym_sam_3726_avg_rms vs run
χ² / ndf 4646 / 81
p0 410.9 ± 0.3291
480
460
440
420
400
380
360

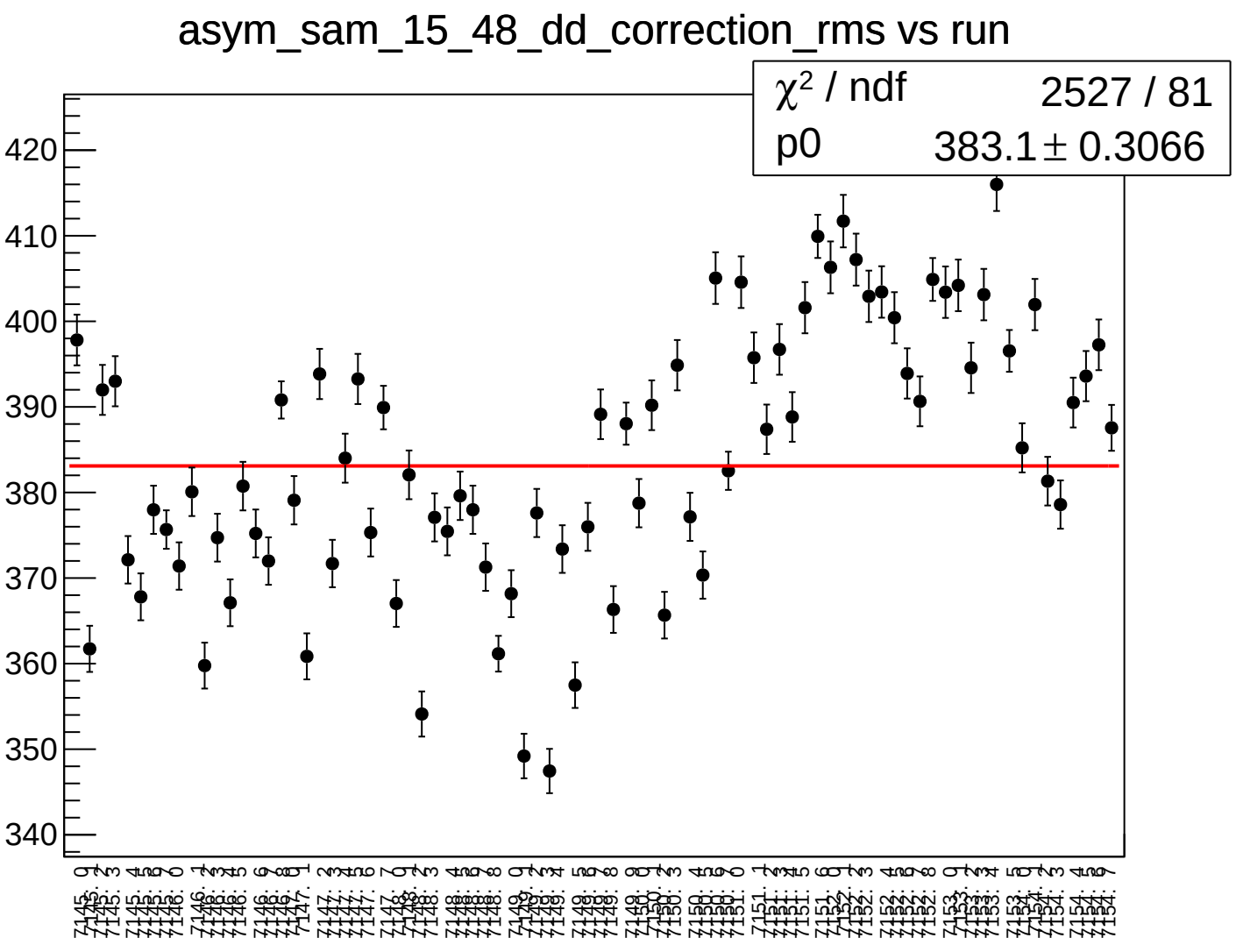

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.58 / 81
p0 32.45 ± 63.49
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 22.63
Std Dev 60.48
2
1
0
−1
−2

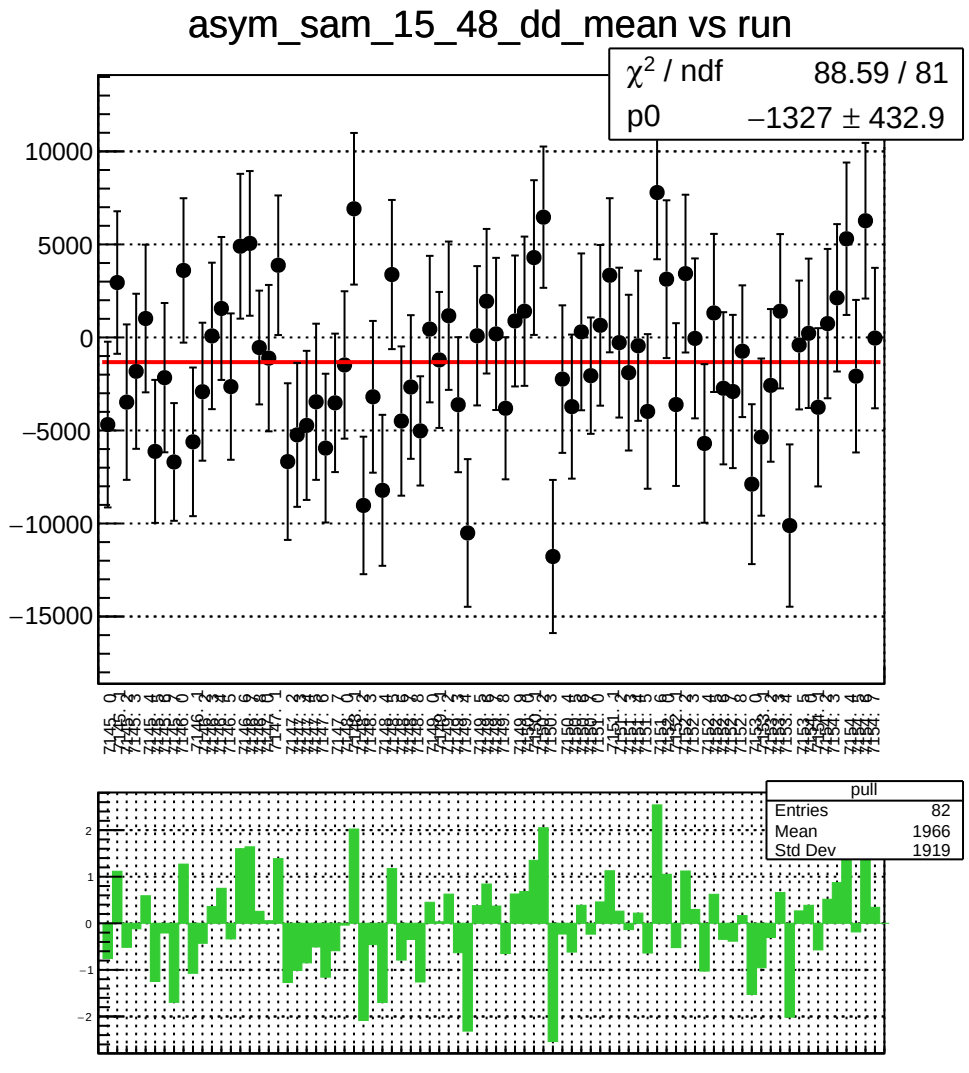

pull1D
Entries 82
Mean −0.01706
Std Dev 0.9788
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

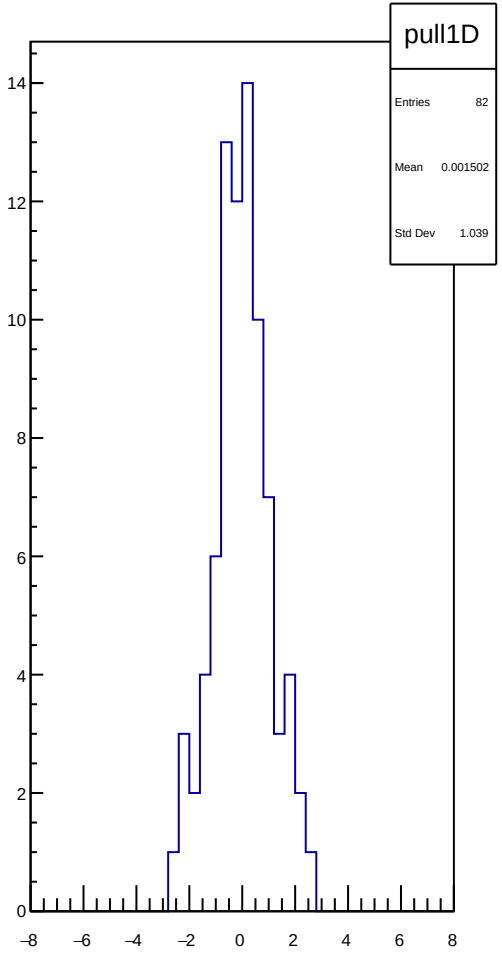

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.379e+04 / 81
p0 55.34 ± 0.04489
100
90
80
70
60
50
40

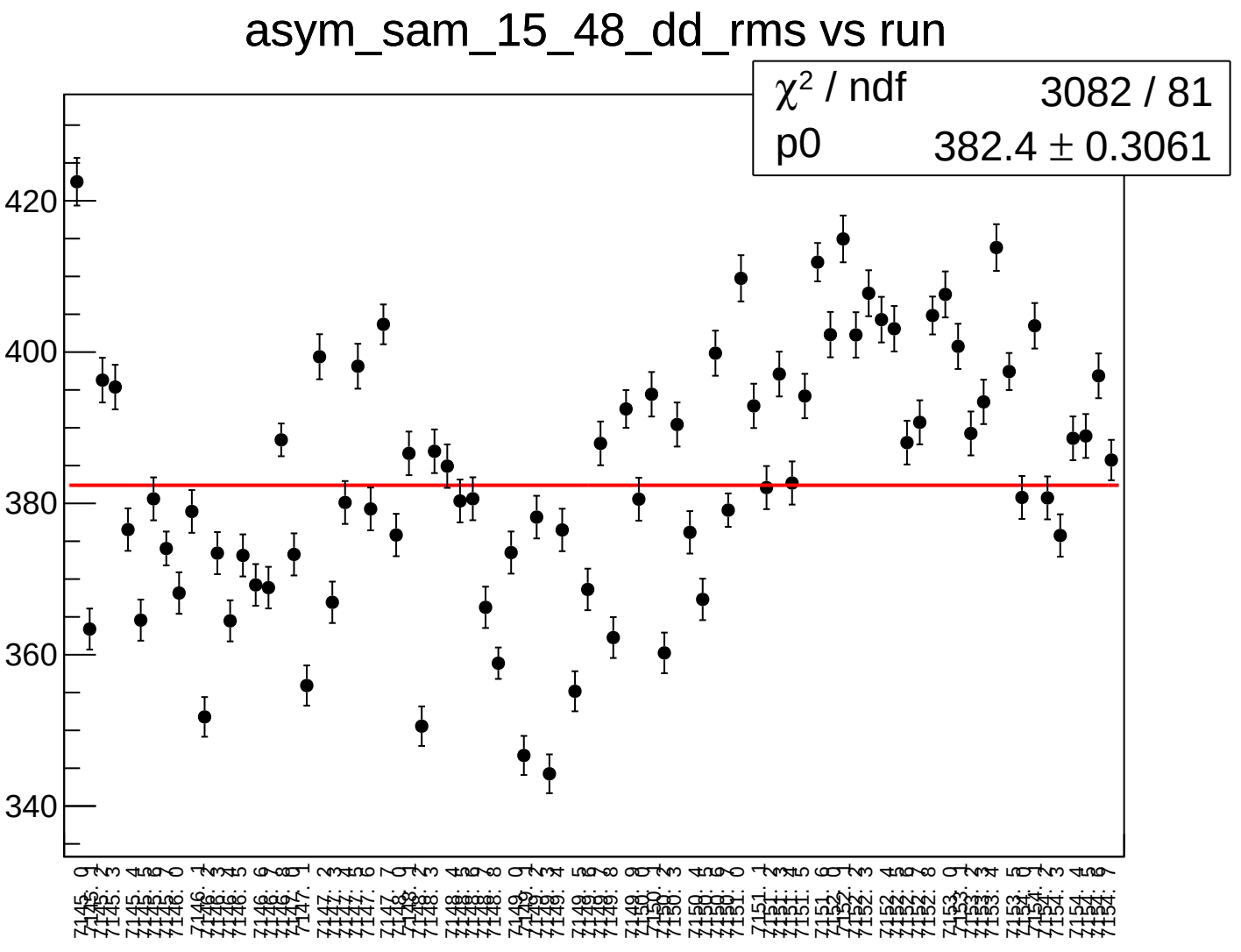

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 92.41 / 81
p0 1354 ± 433.6
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 829.2
Std Dev 780.1
2
1
0
−1
−2

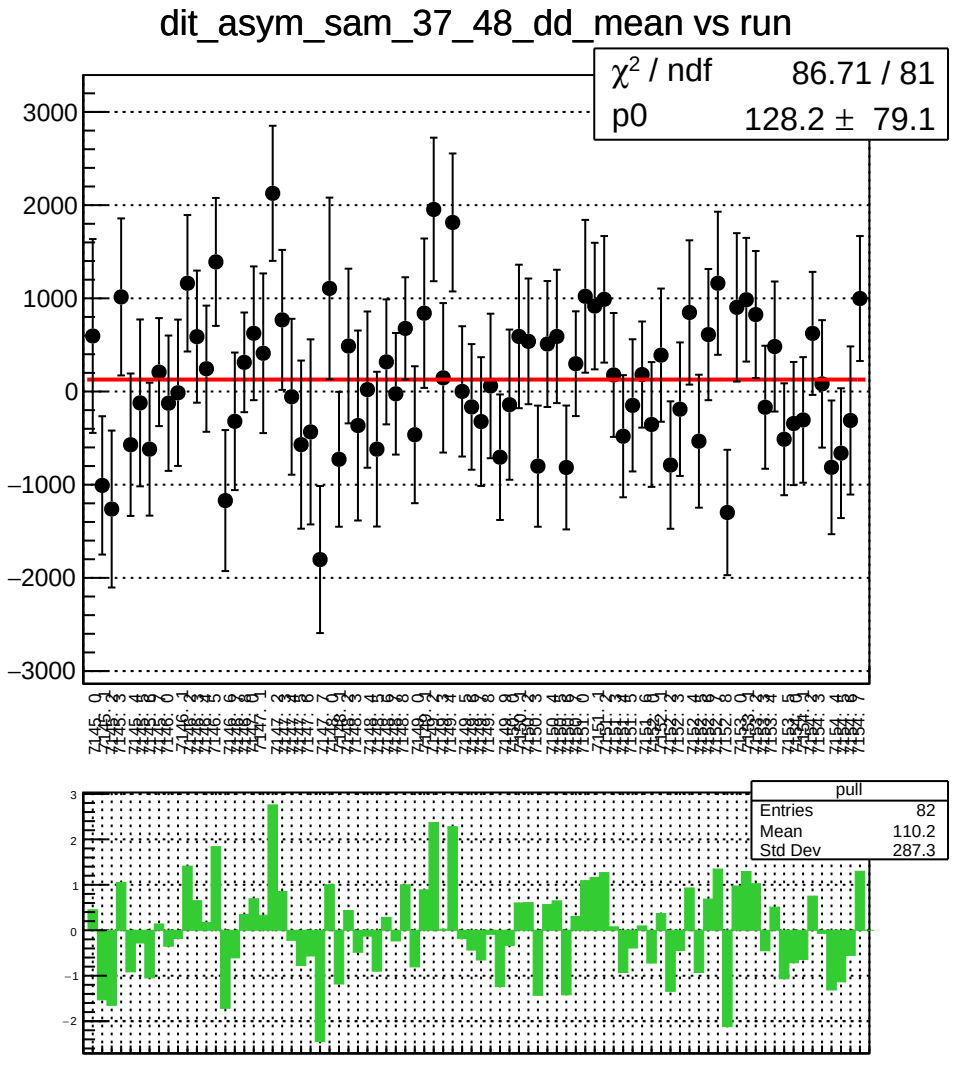

pull1D
Entries 82
Mean −0.00351
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

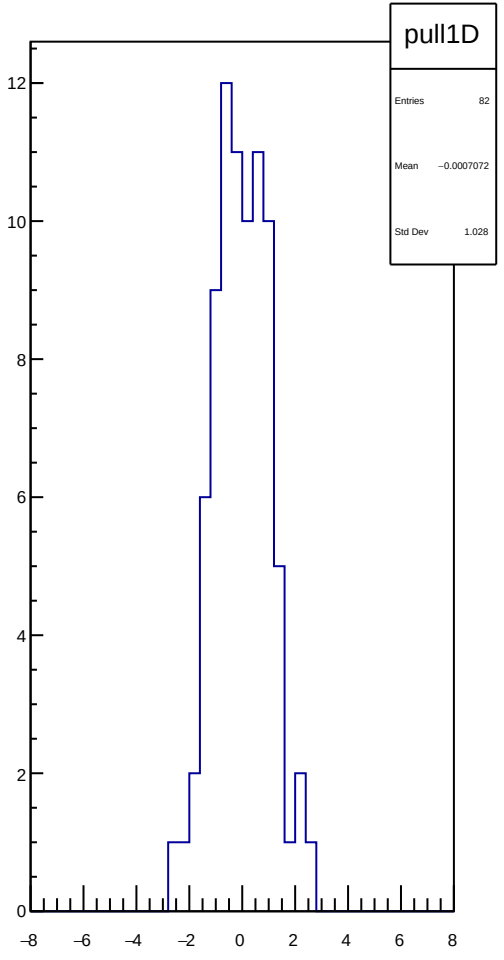

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2527 / 81
p0 383.1 ± 0.3066
420
410
400
390
380
370
360
350
340

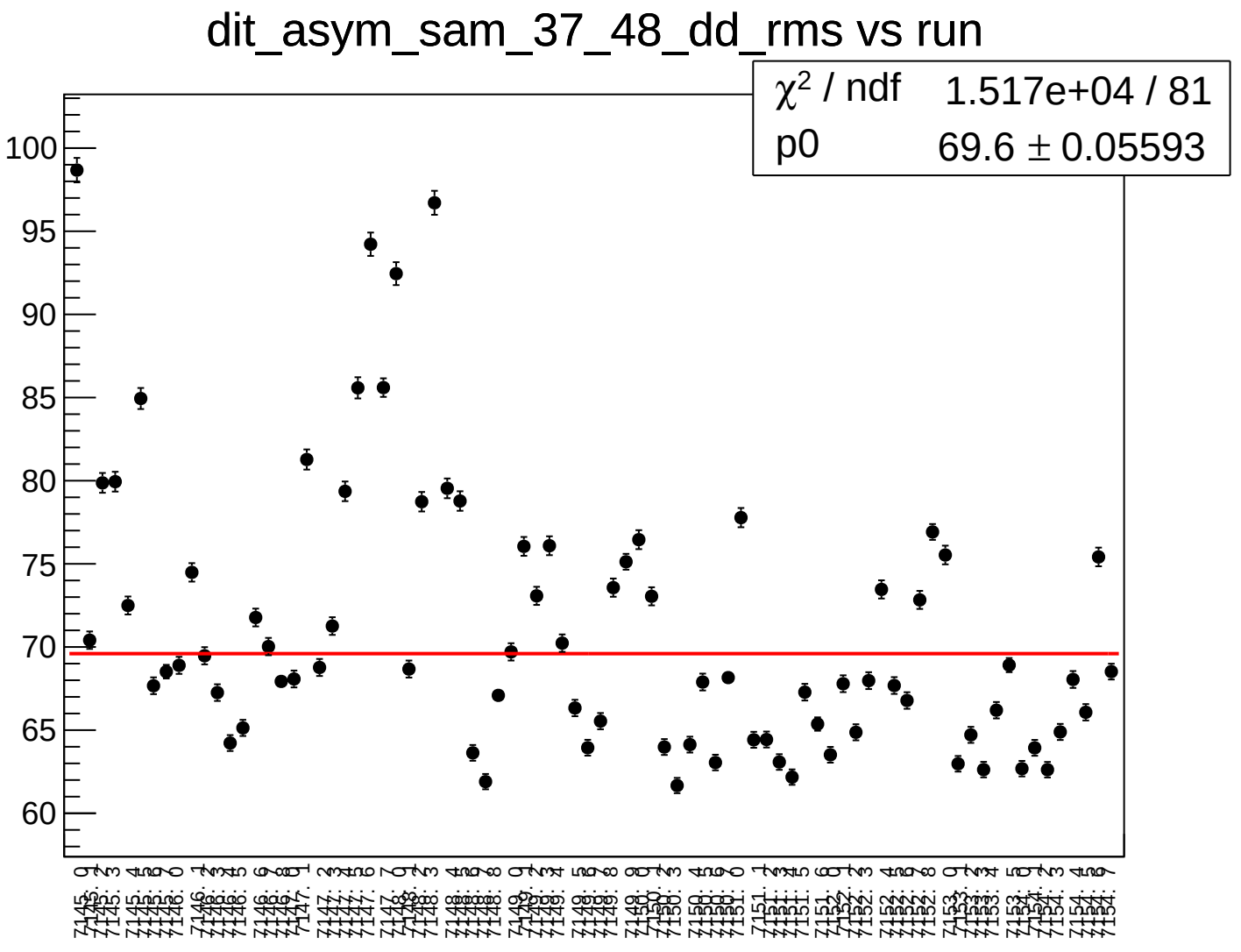

asym_sam_15_48_dd_mean vs run
χ² / ndf 88.59 / 81
p0 −1327 ± 432.9
pull
Entries 82
Mean 1966
Std Dev 1919

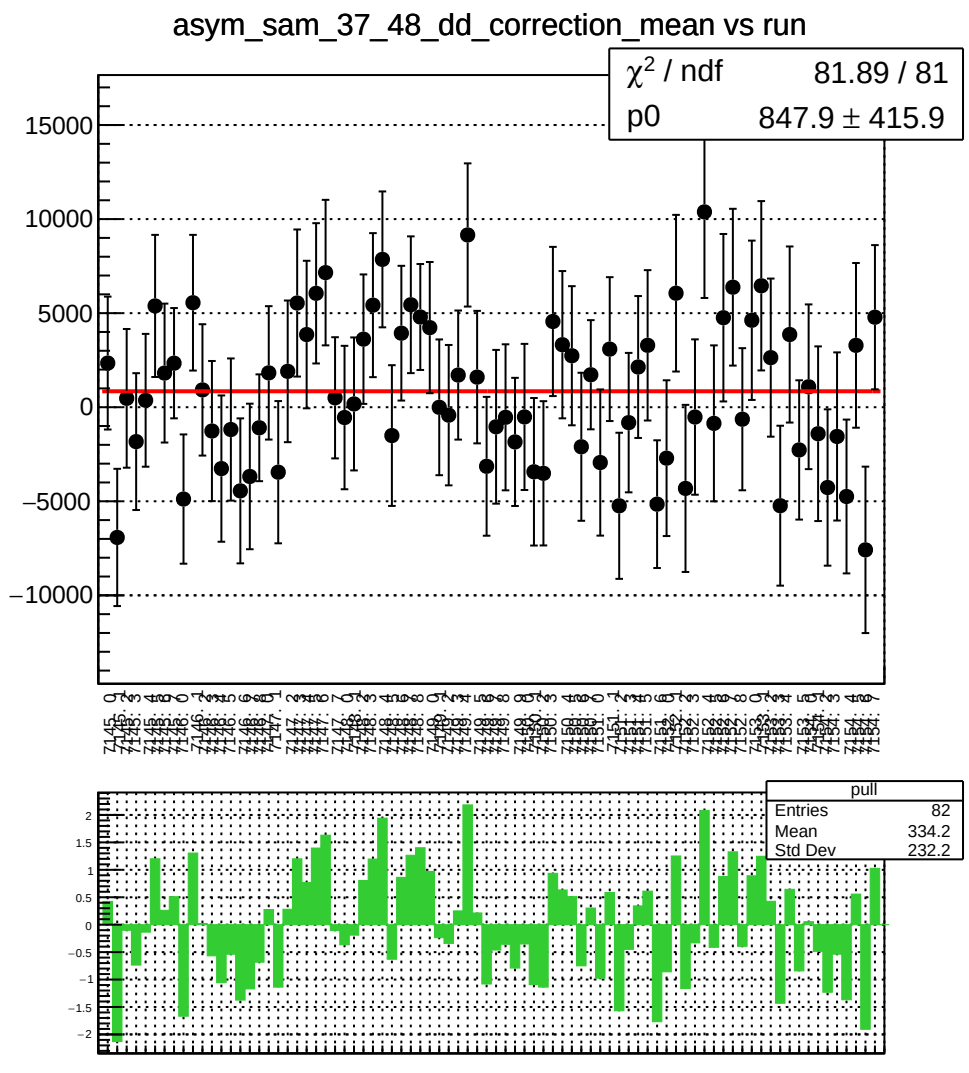

pull1D
Entries 82
Mean 0.001502
Std Dev 1.039

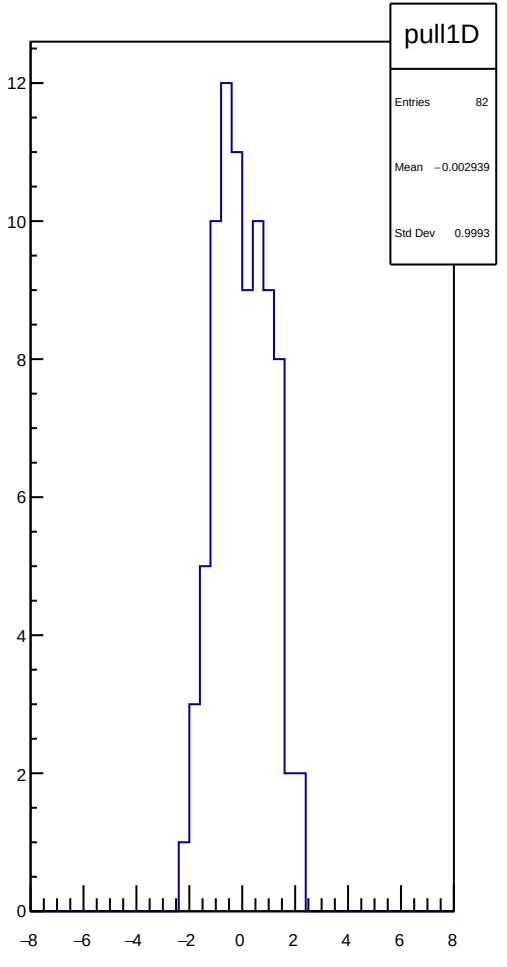

asym_sam_15_48_dd_rms vs run
χ² / ndf 3082 / 81
p0 382.4 ± 0.3061
420
400
380
360
340

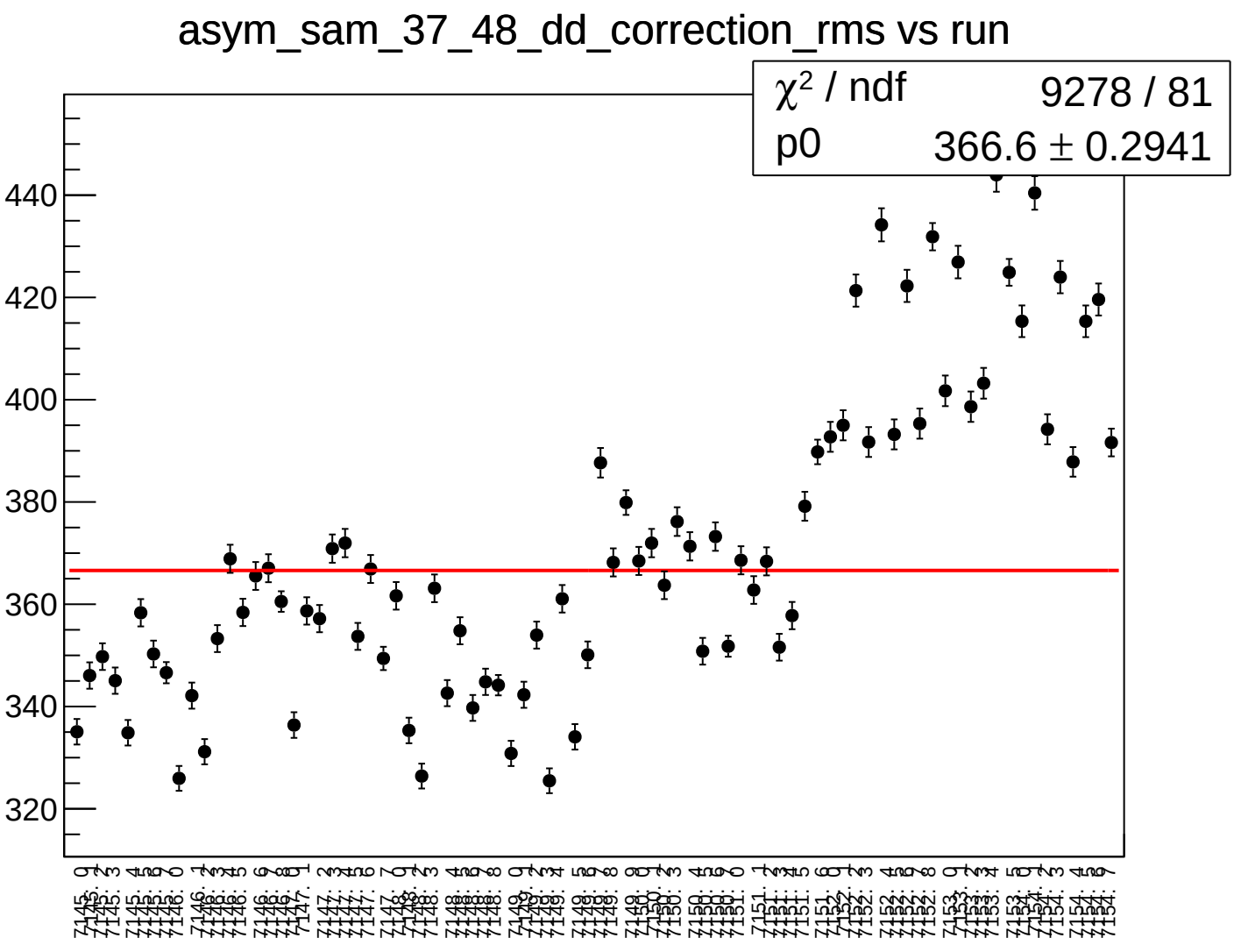

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.71 / 81
p0 128.2 ± 79.1
pull
Entries 82
Mean 110.2
Std Dev 287.3

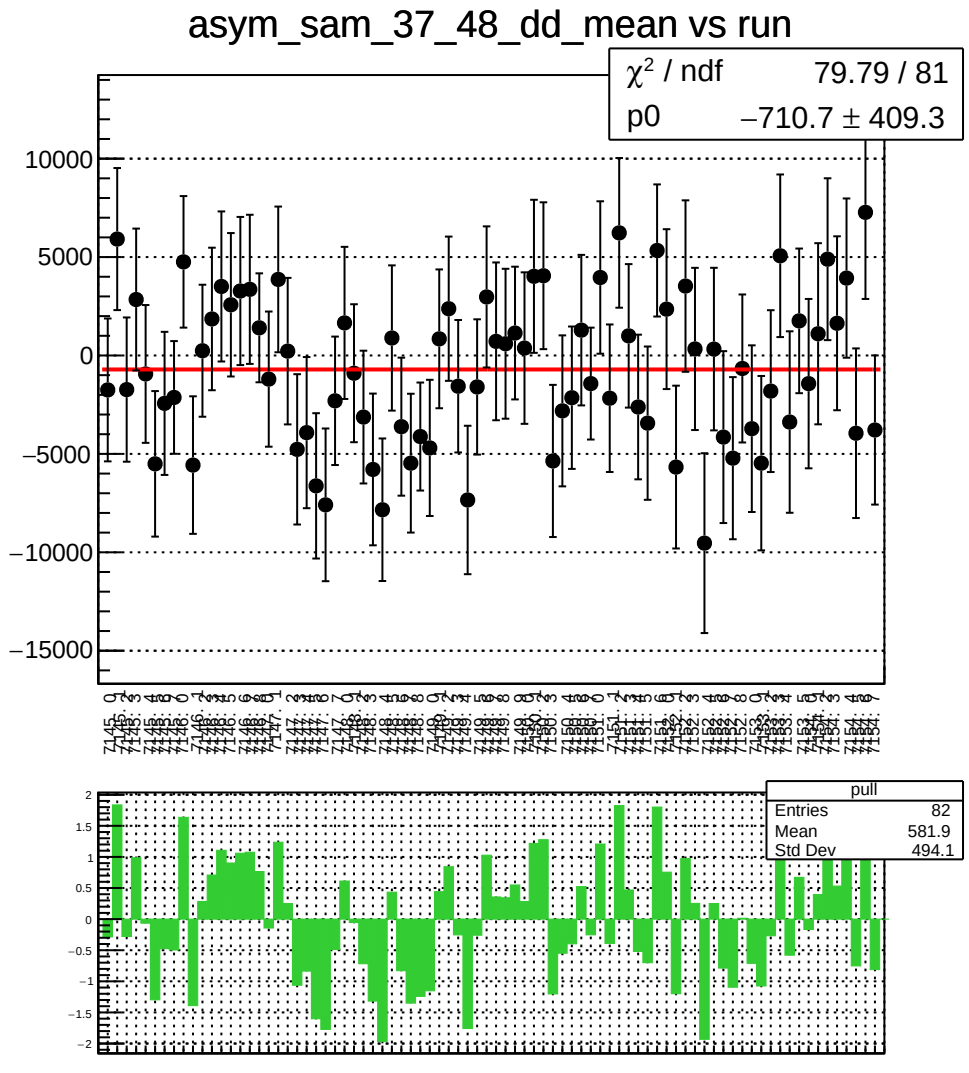

pull1D
Entries 82
Mean −0.0007072
Std Dev 1.028

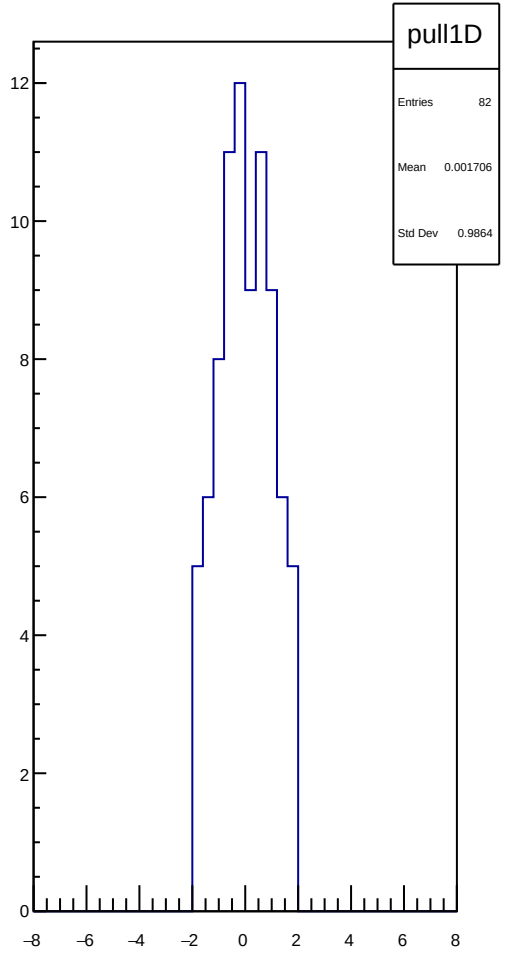

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.517e+04 / 81
p0 69.6 ± 0.05593
100
95
90
85
80
75
70
65
60

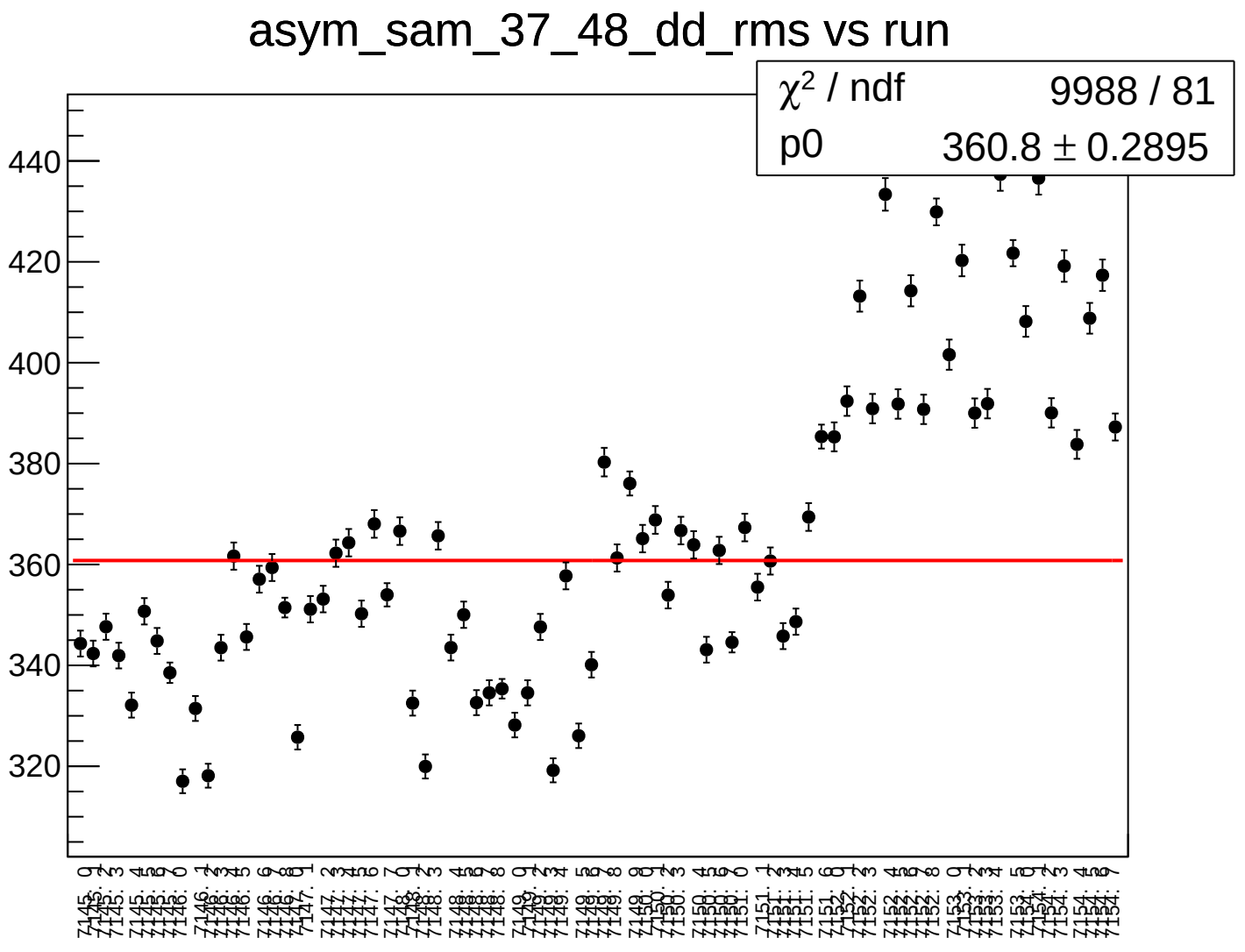

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 81.89 / 81
p0 847.9 ± 415.9
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 334.2
Std Dev 232.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

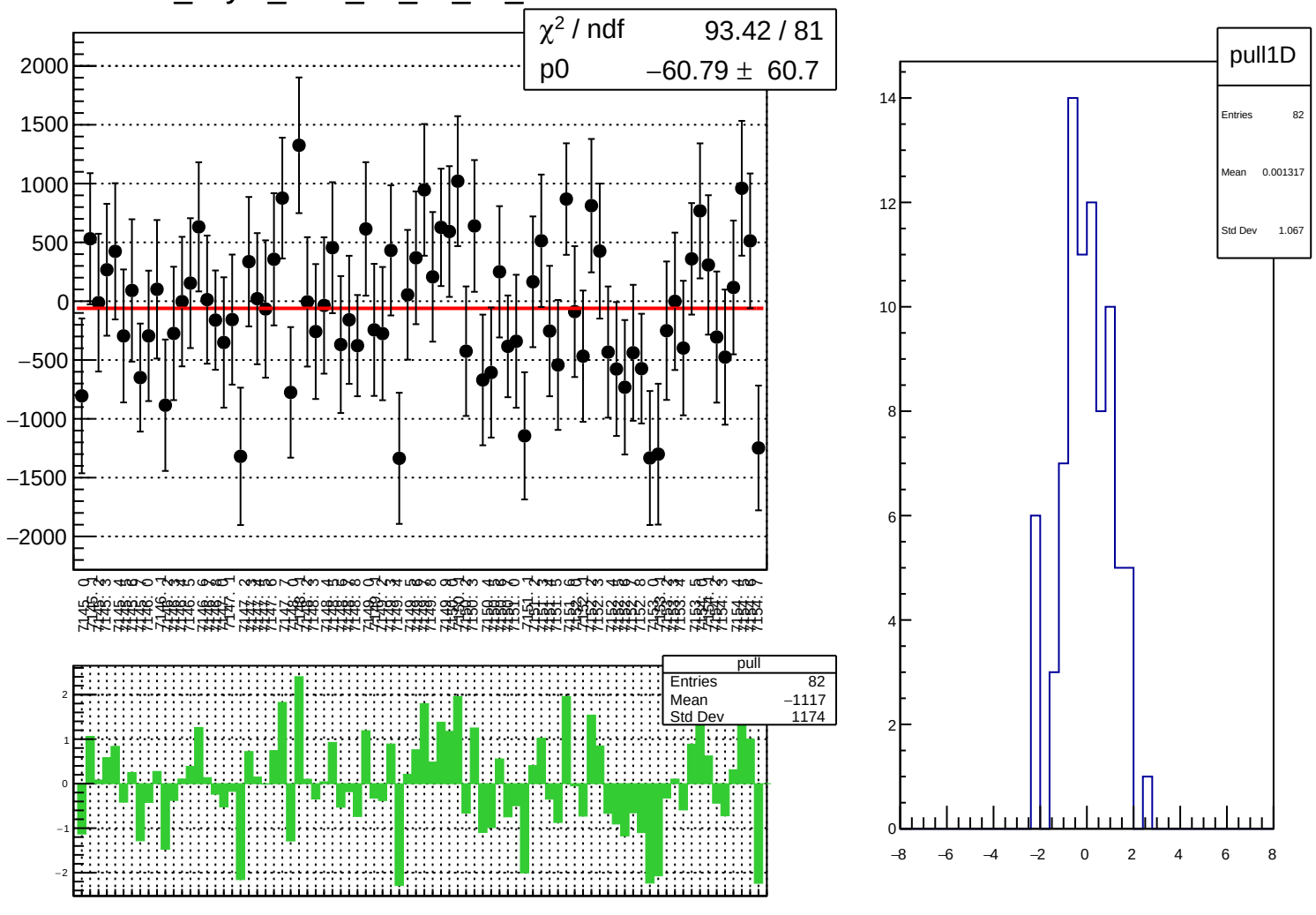

pull1D
Entries 82
Mean −0.002939
Std Dev 0.9993
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

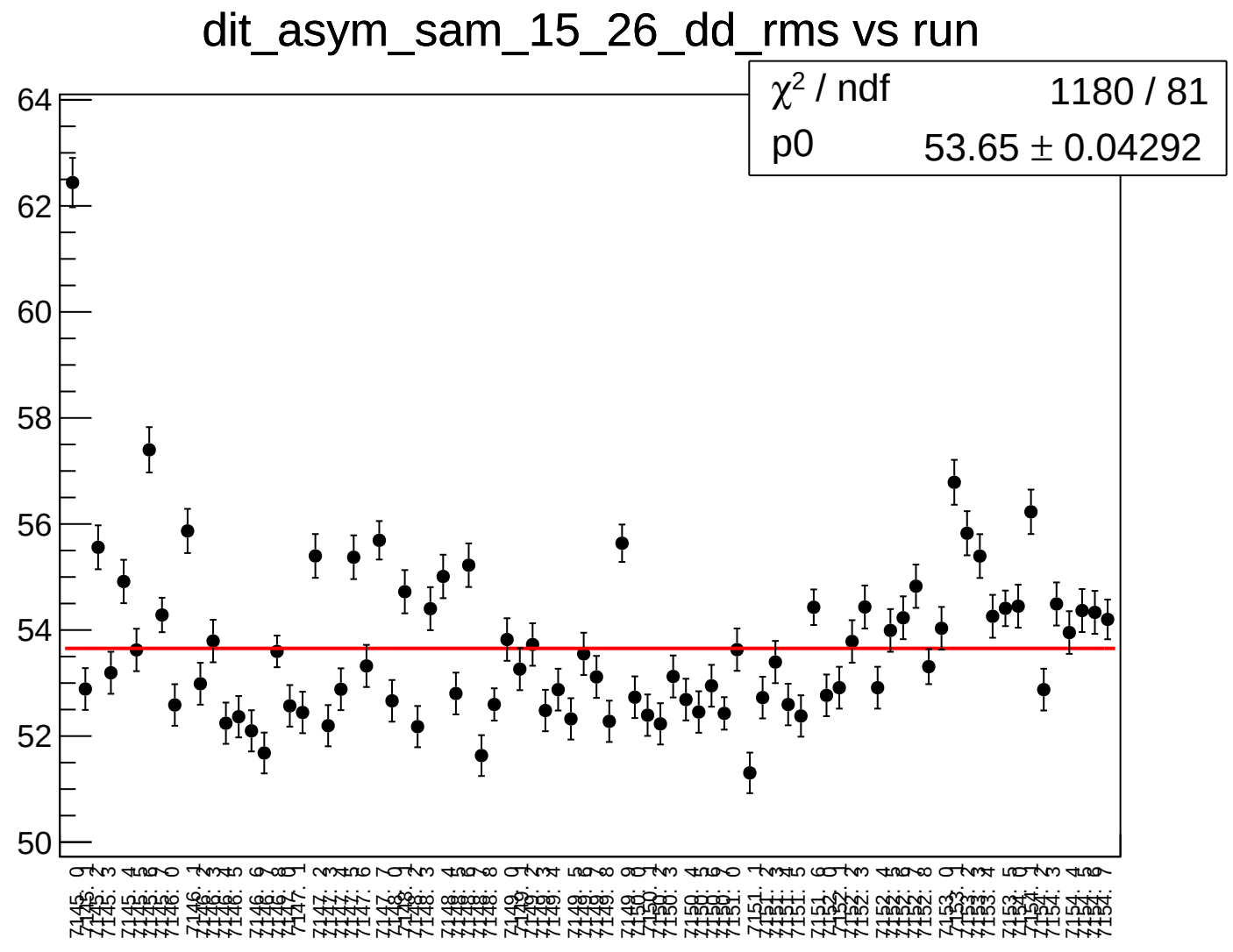

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 9278 / 81
p0 366.6 ± 0.2941
440
420
400
380
360
340
320

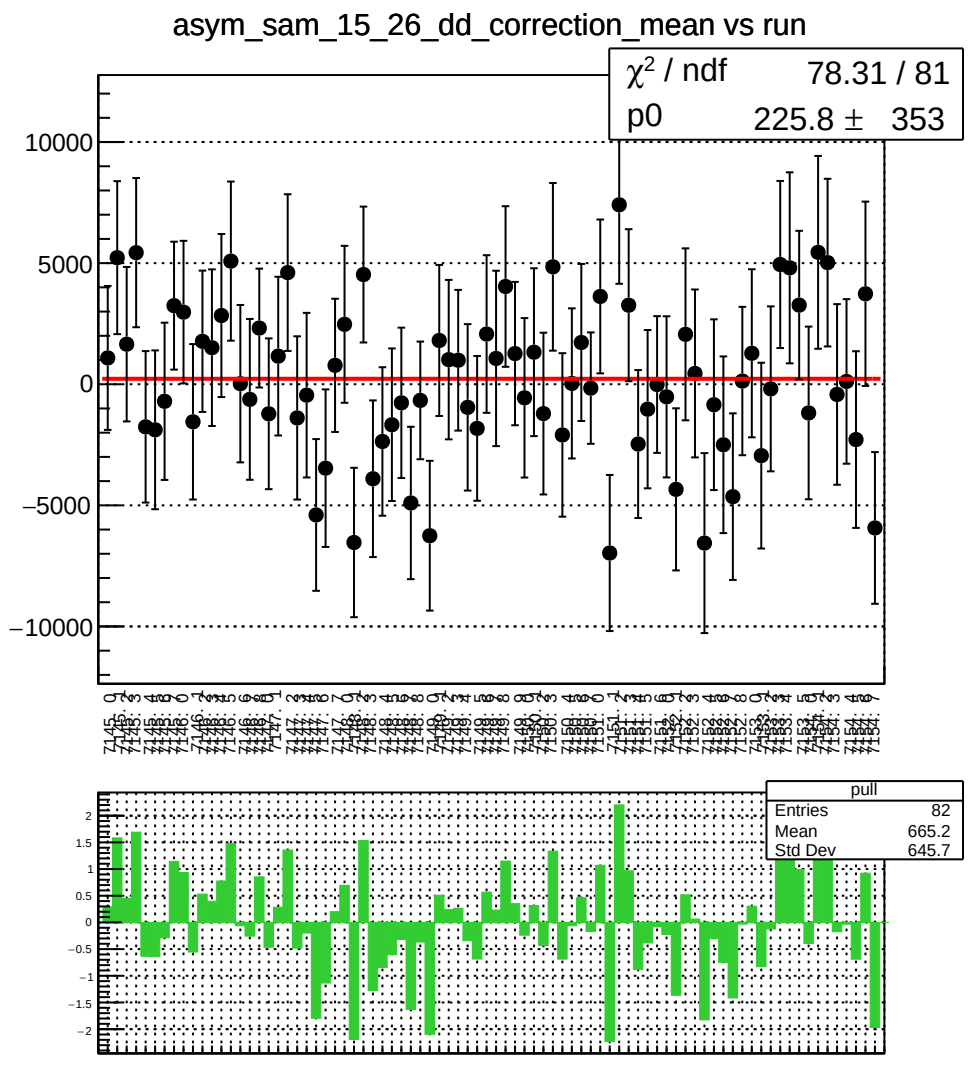

asym_sam_37_48_dd_mean vs run
χ² / ndf 79.79 / 81
p0 −710.7 ± 409.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 581.9
Std Dev 494.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

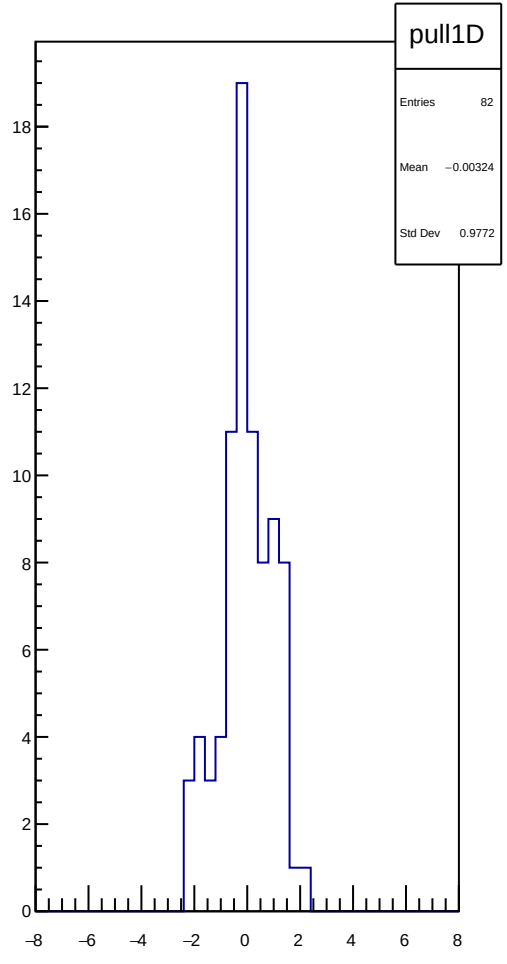

pull1D
Entries 82
Mean 0.001706
Std Dev 0.9864
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

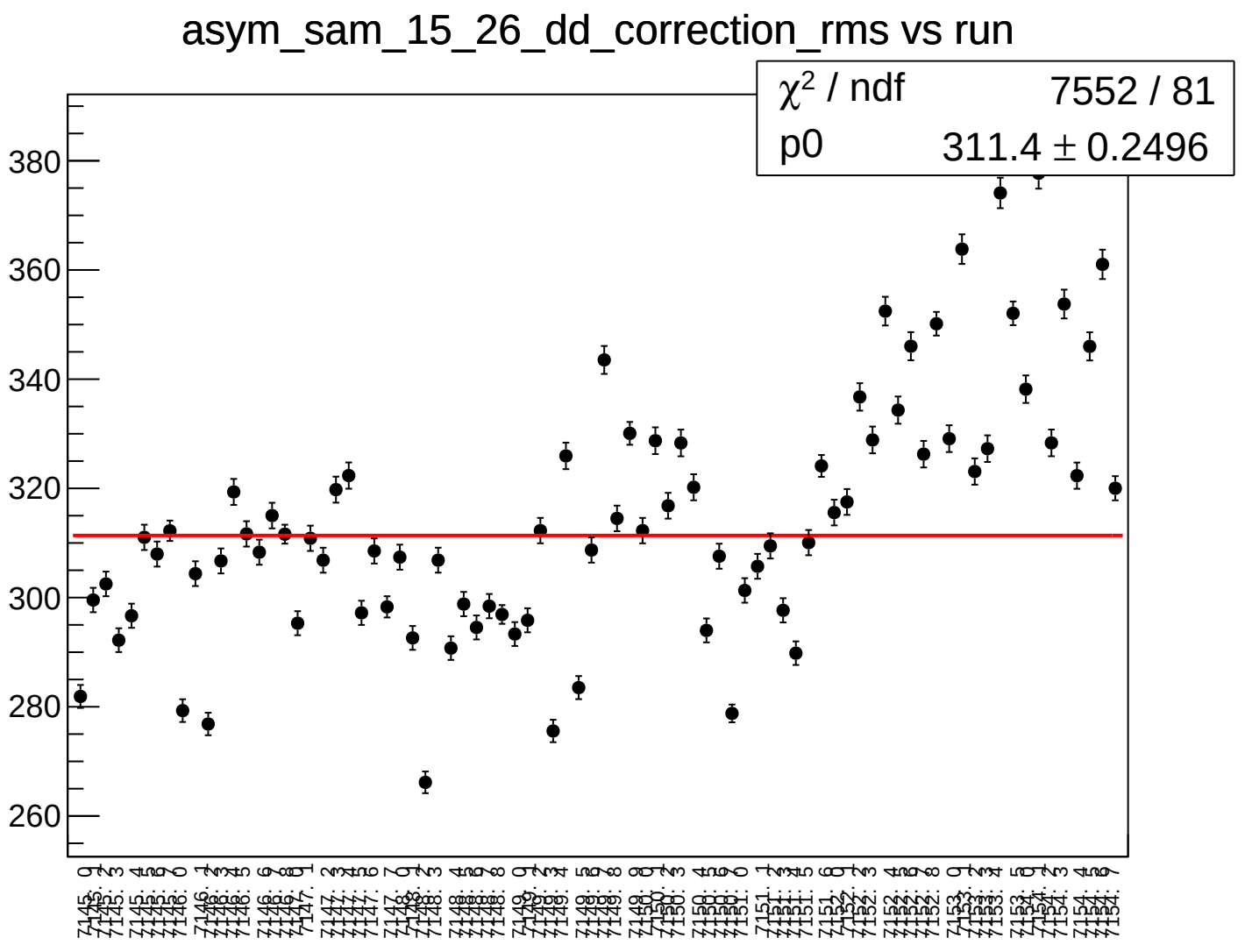

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9988 / 81
p0 360.8 ± 0.2895
440
420
400
380
360
340
320

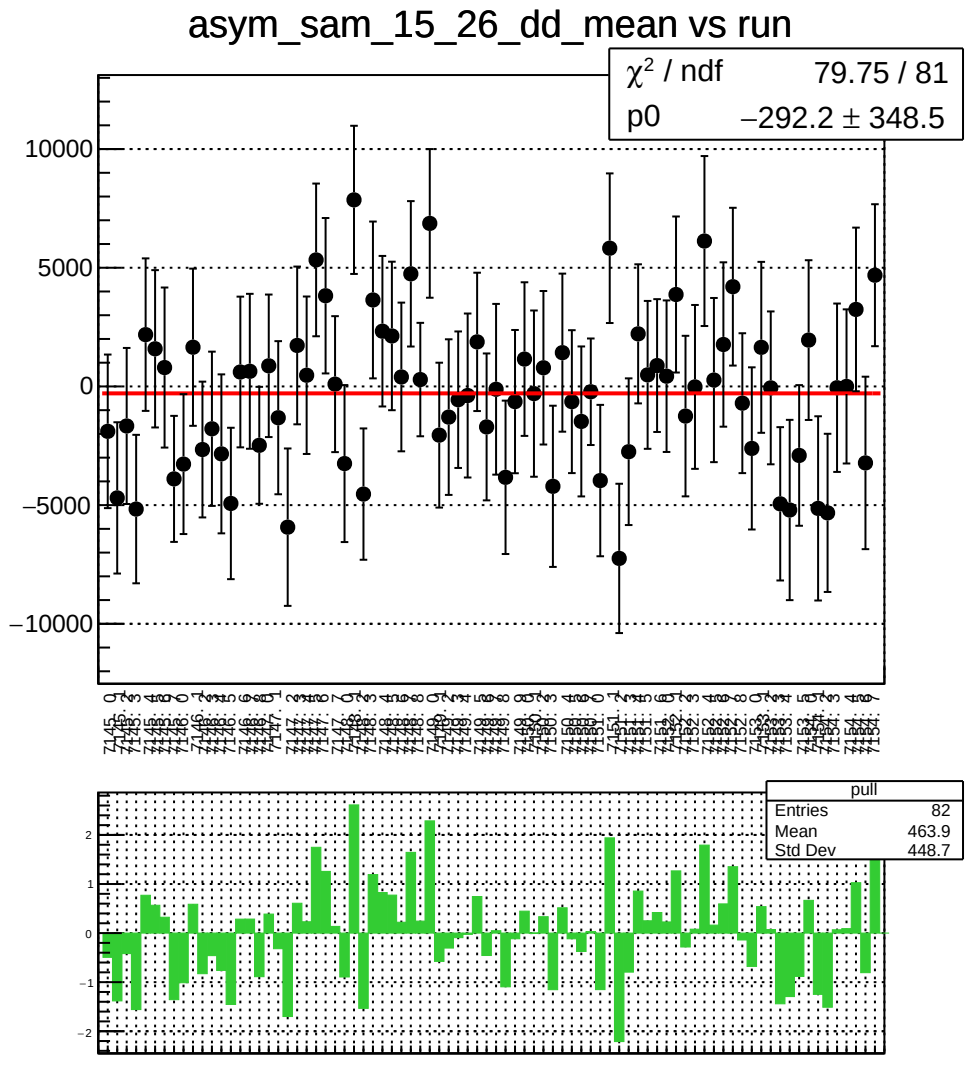

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 93.42 / 81
p0 −60.79 ± 60.7
pull
Entries 82
Mean −1117
Std Dev 1174
pull1D
Entries 82
Mean 0.001317
Std Dev 1.067

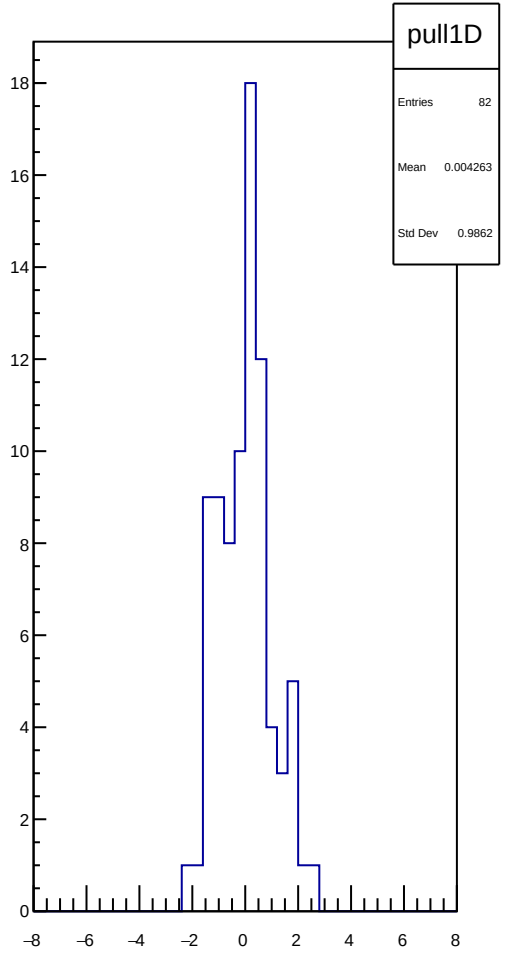

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1180 / 81
p0 53.65 ± 0.04292
64
62
60
58
56
54
52
50

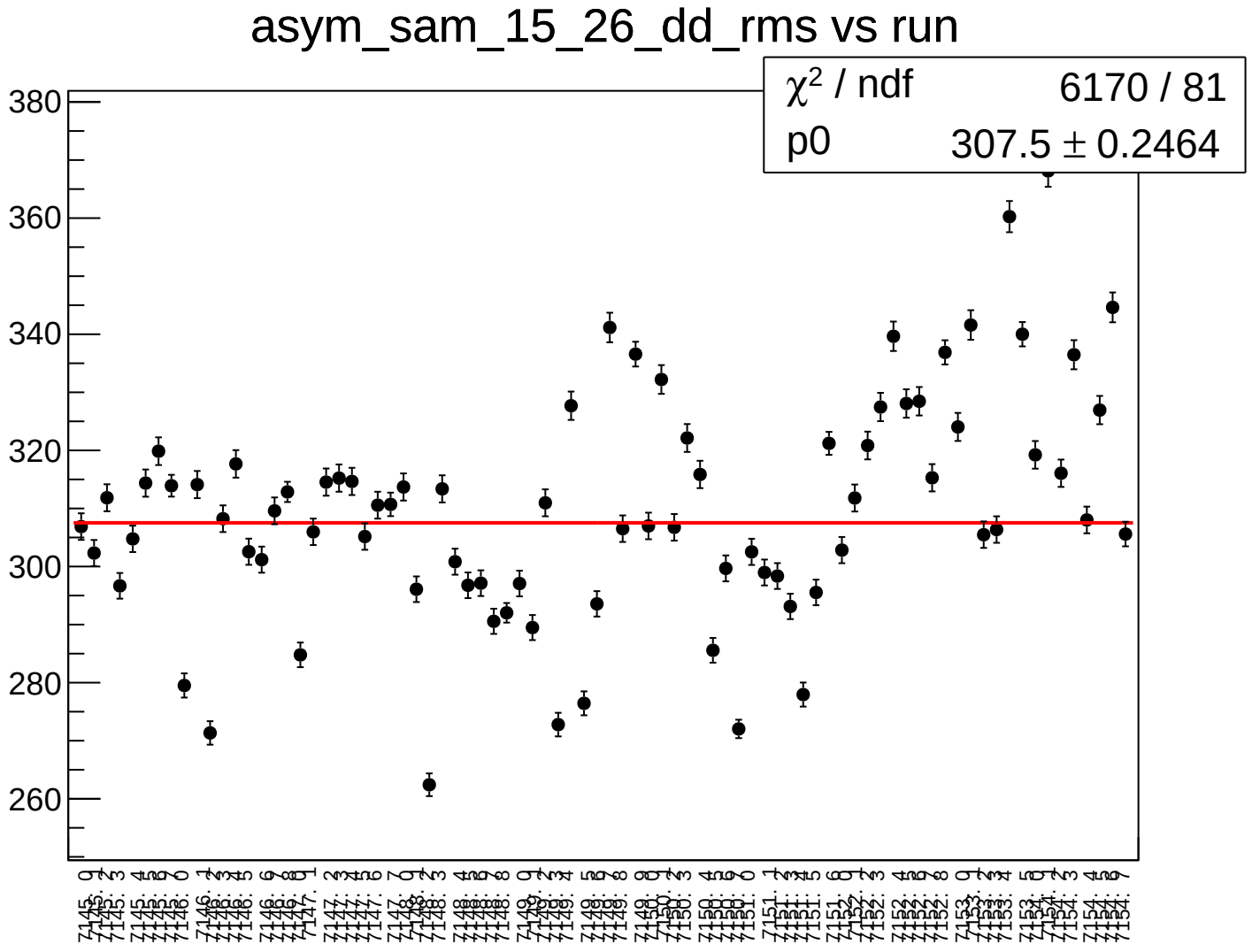

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 78.31 / 81
p0 225.8 ± 353
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 665.2
Std Dev 645.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

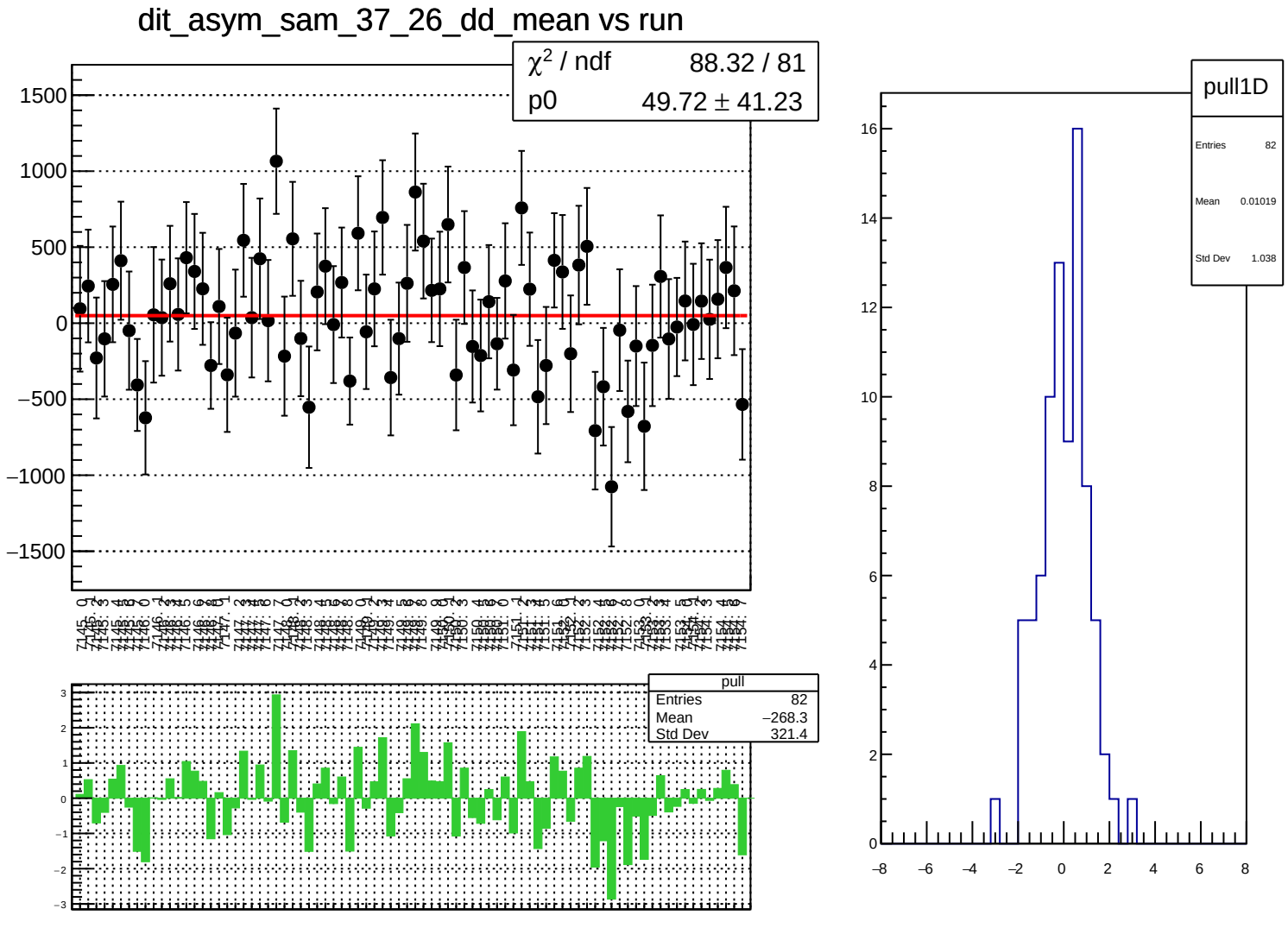

pull1D
Entries 82
Mean −0.00324
Std Dev 0.9772
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

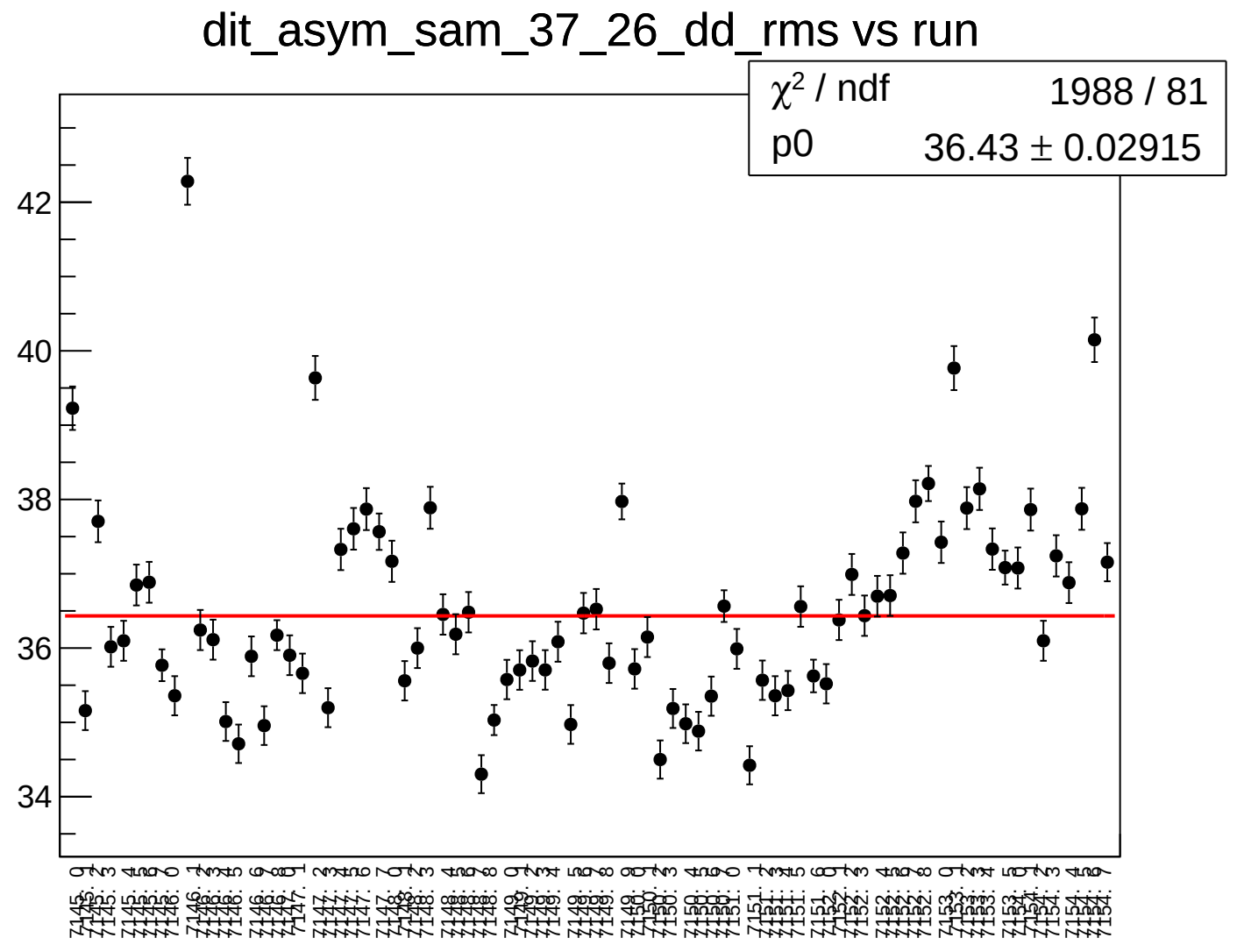

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7552 / 81
p0 311.4 ± 0.2496
380
360
340
320
300
280
260

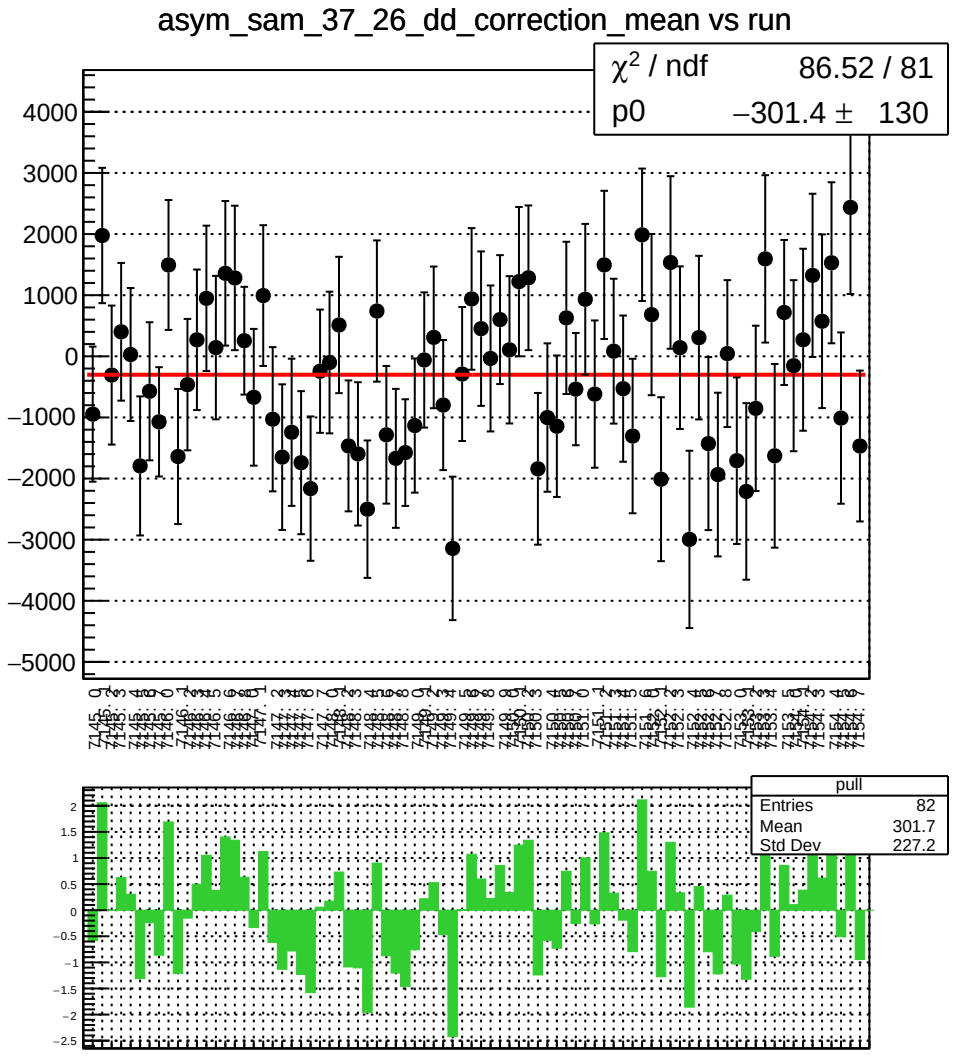

asym_sam_15_26_dd_mean vs run
χ² / ndf 79.75 / 81
p0 −292.2 ± 348.5
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 463.9
Std Dev 448.7
2
1
0
−1
−2

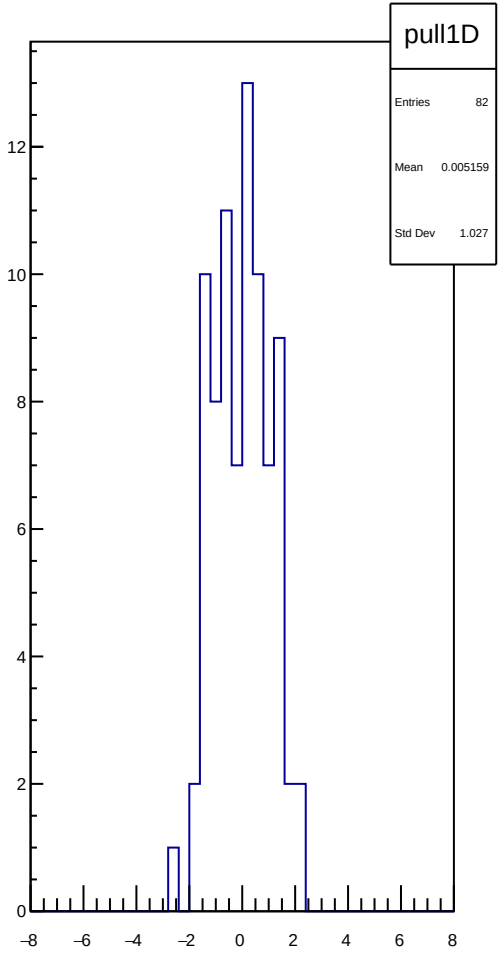

pull1D
Entries 82
Mean 0.004263
Std Dev 0.9862
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

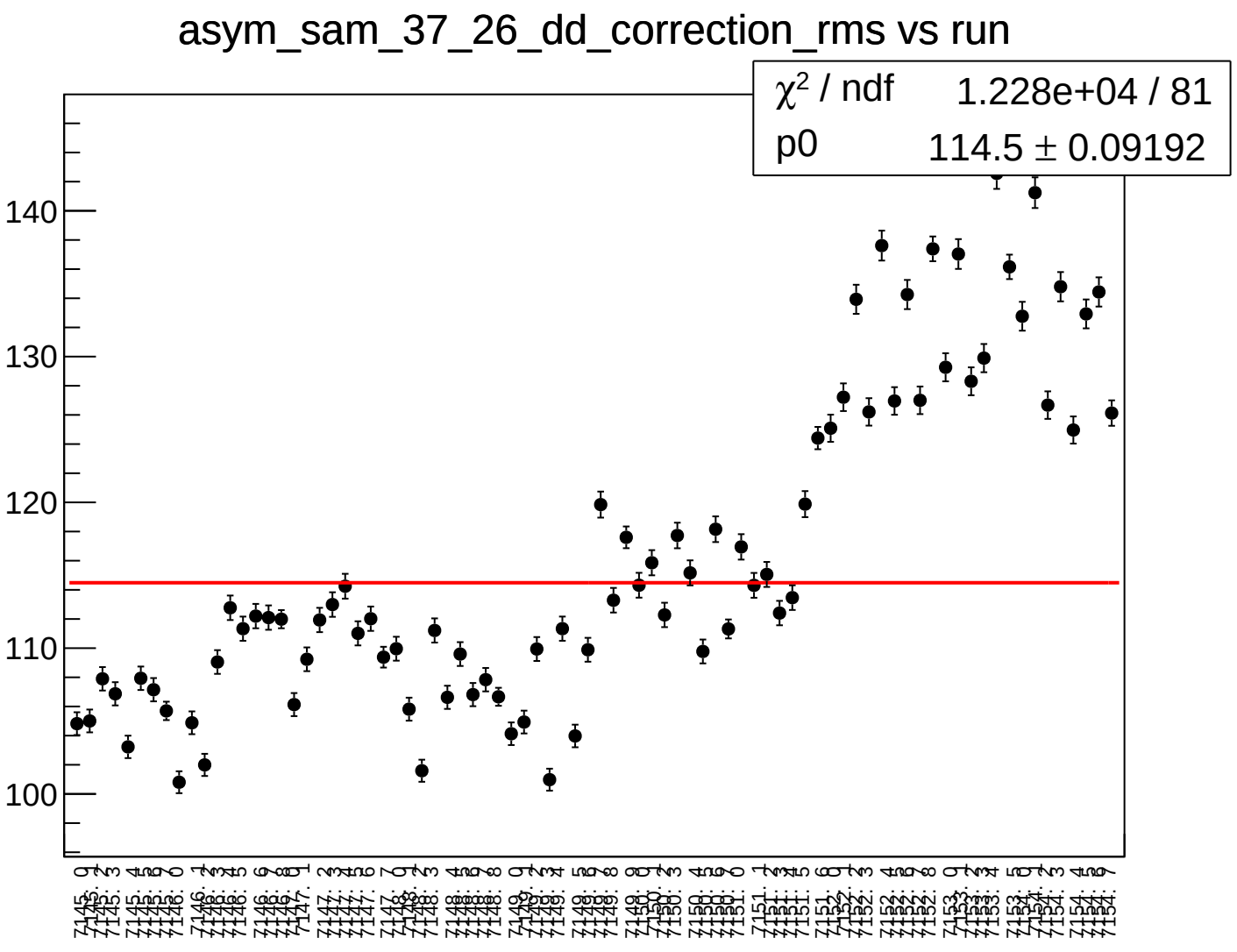

asym_sam_15_26_dd_rms vs run
χ² / ndf 6170 / 81
p0 307.5 ± 0.2464
380
360
340
320
300
280
260

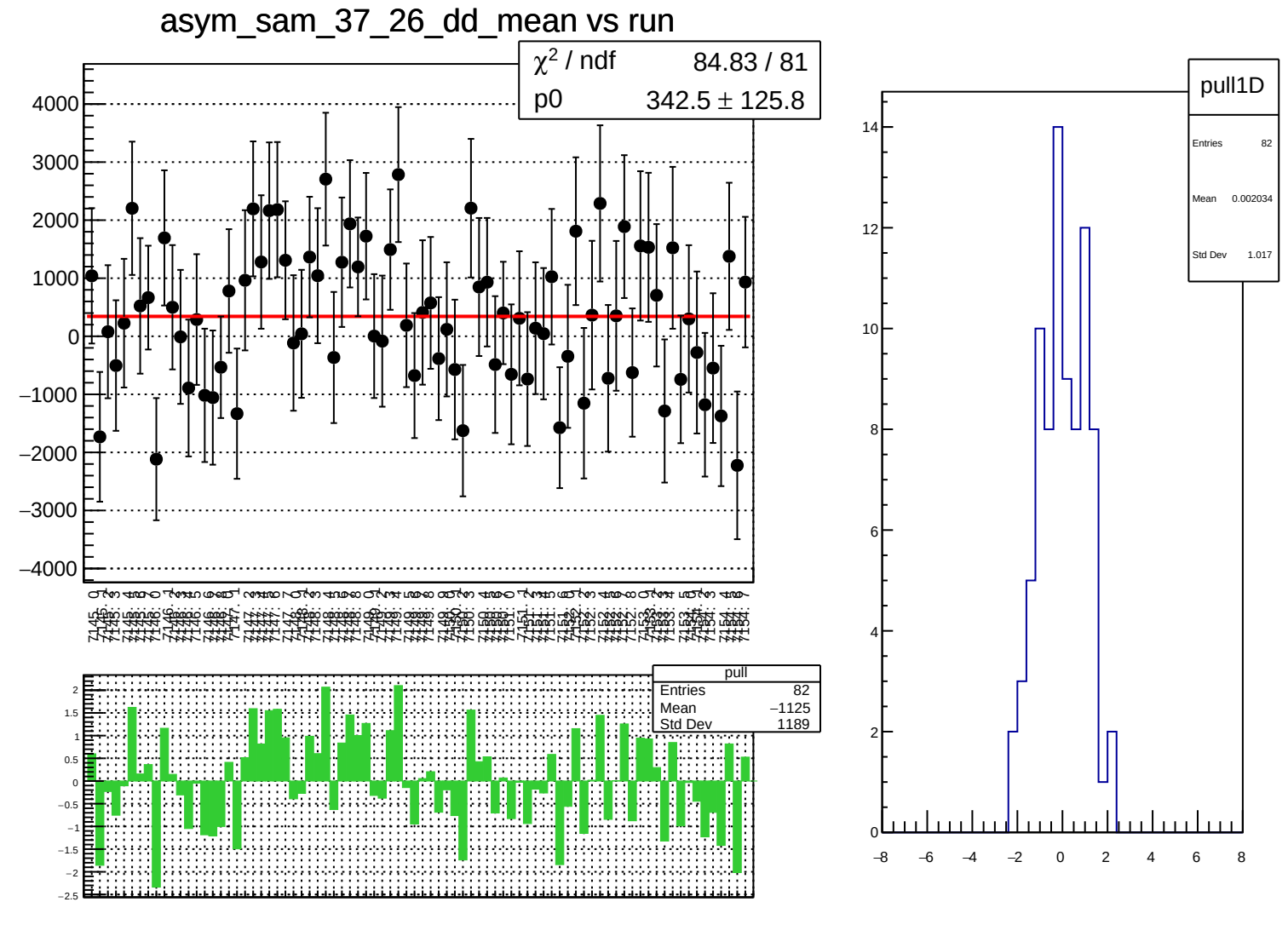

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 88.32 / 81
p0 49.72 ± 41.23
1500
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean −268.3
Std Dev 321.4
pull1D
Entries 82
Mean 0.01019
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

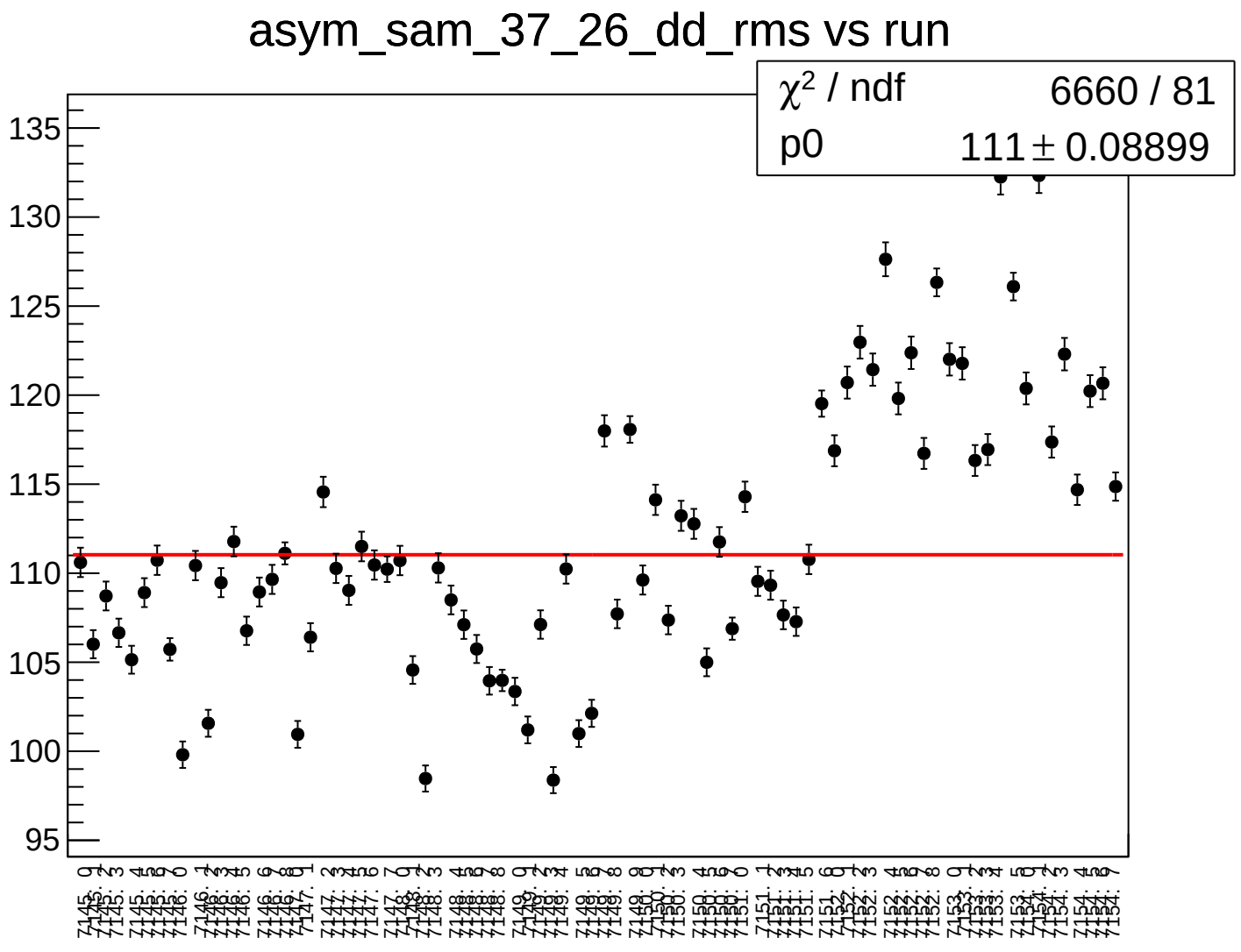

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1988 / 81
p0 36.43 ± 0.02915
42
40
38
36
34

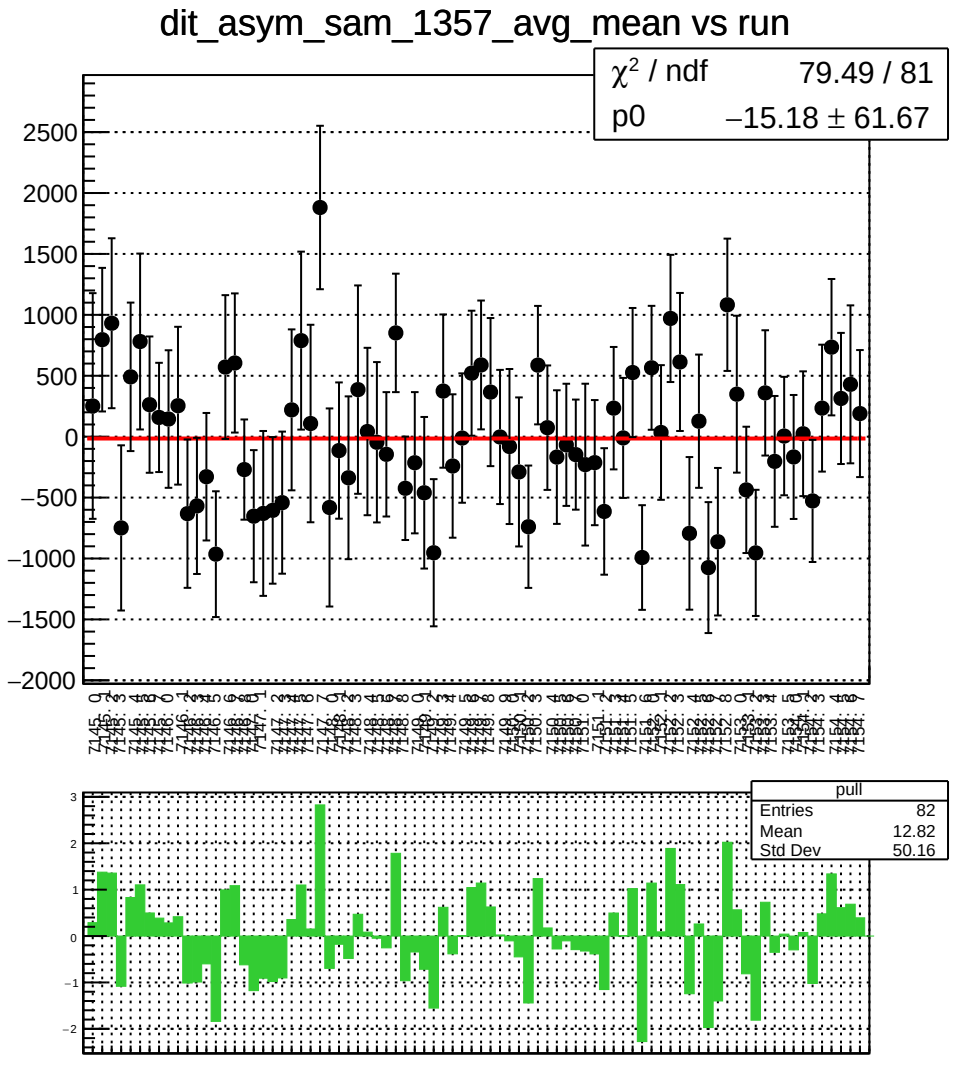

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 86.52 / 81
p0 −301.4 ± 130
pull
Entries 82
Mean 301.7
Std Dev 227.2

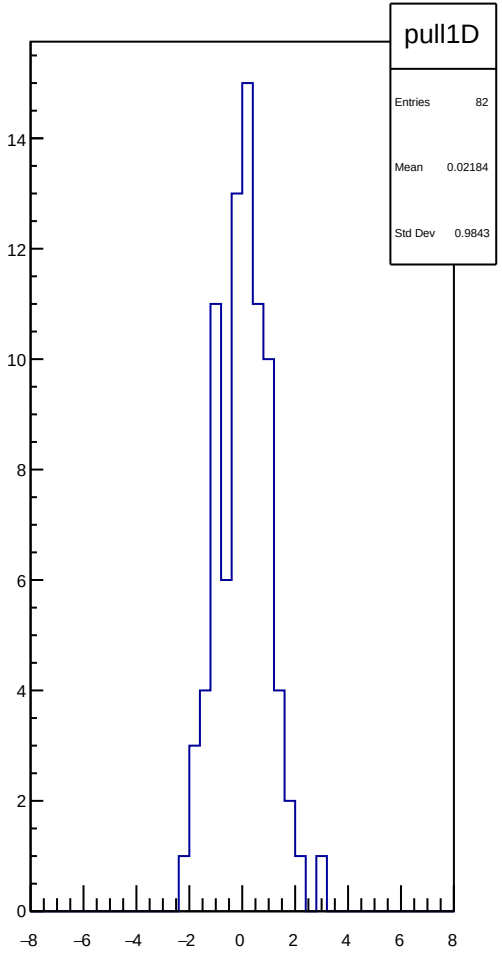

pull1D
Entries 82
Mean 0.005159
Std Dev 1.027

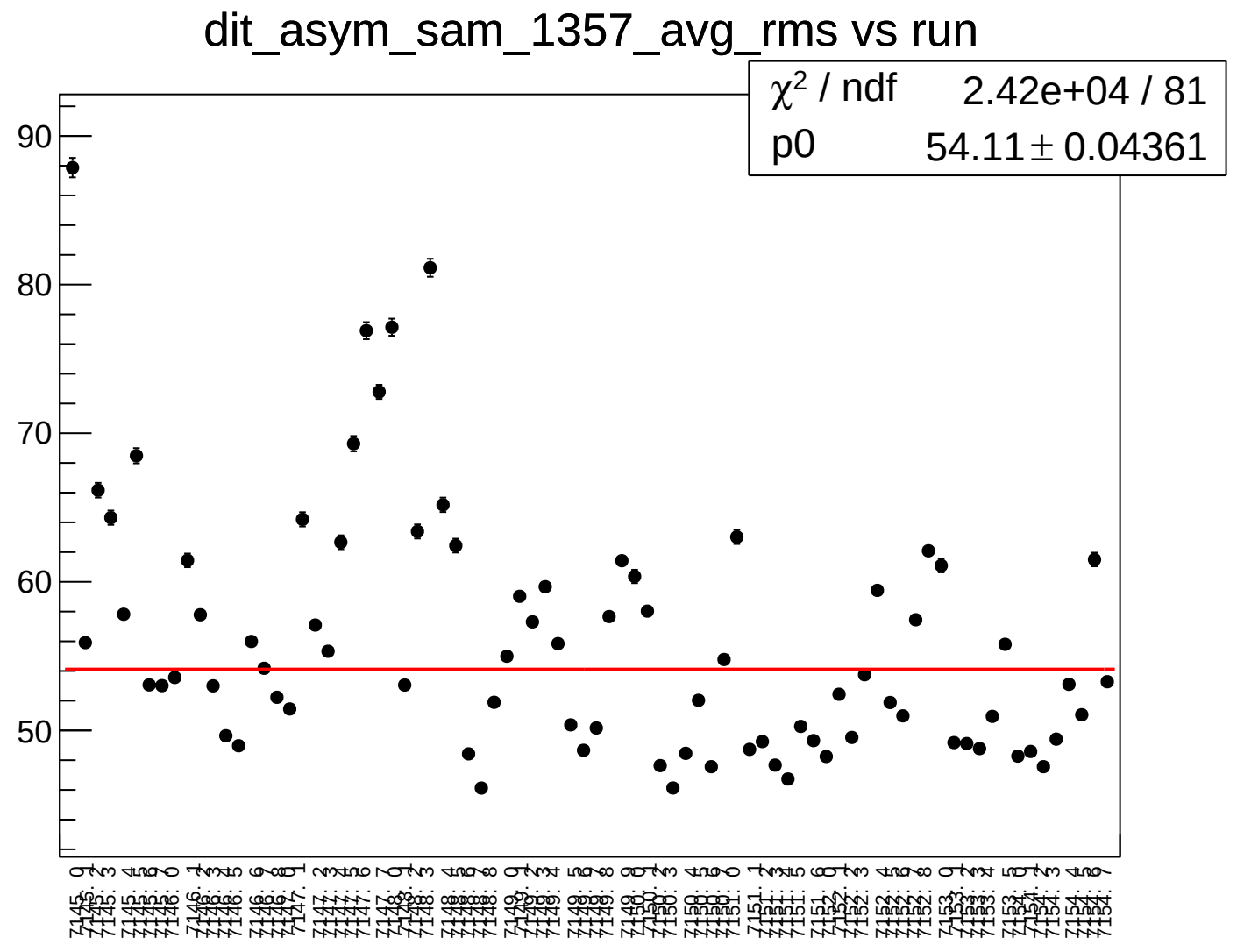

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.228e+04 / 81
p0 114.5 ± 0.09192
140
130
120
110
100

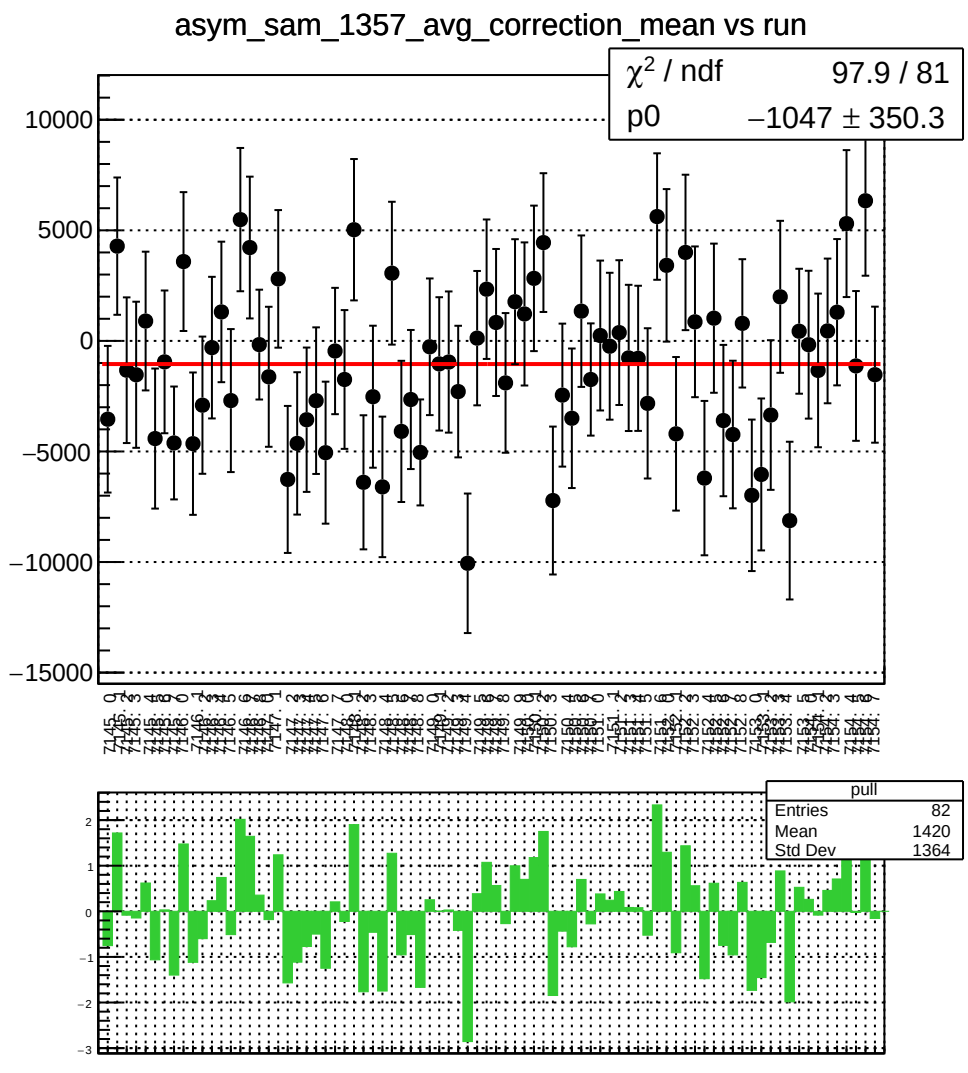

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 84.83 / 81
p0 342.5 ± 125.8
pull
Entries 82
Mean −1125
Std Dev 1189
pull1D
Entries 82
Mean 0.002034
Std Dev 1.017

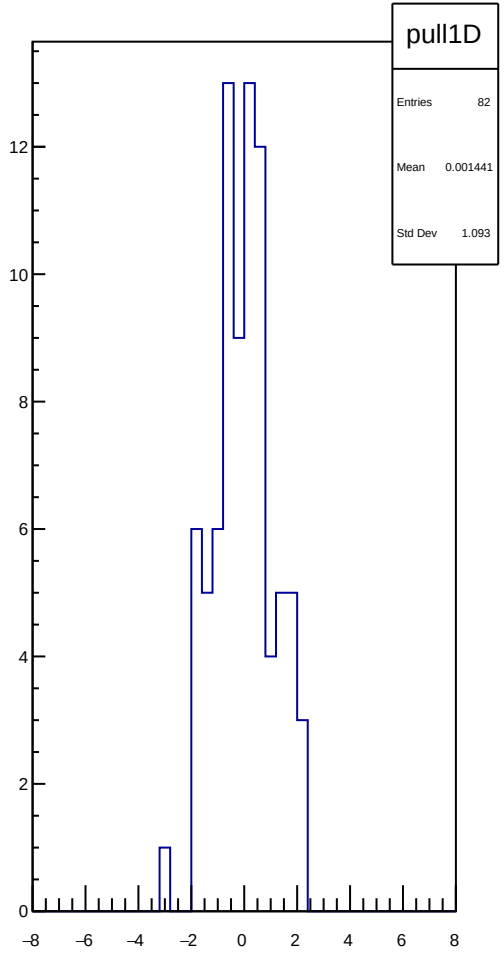

asym_sam_37_26_dd_rms vs run
χ² / ndf 6660 / 81
p0 111 ± 0.08899
135
130
125
120
115
110
105
100
95

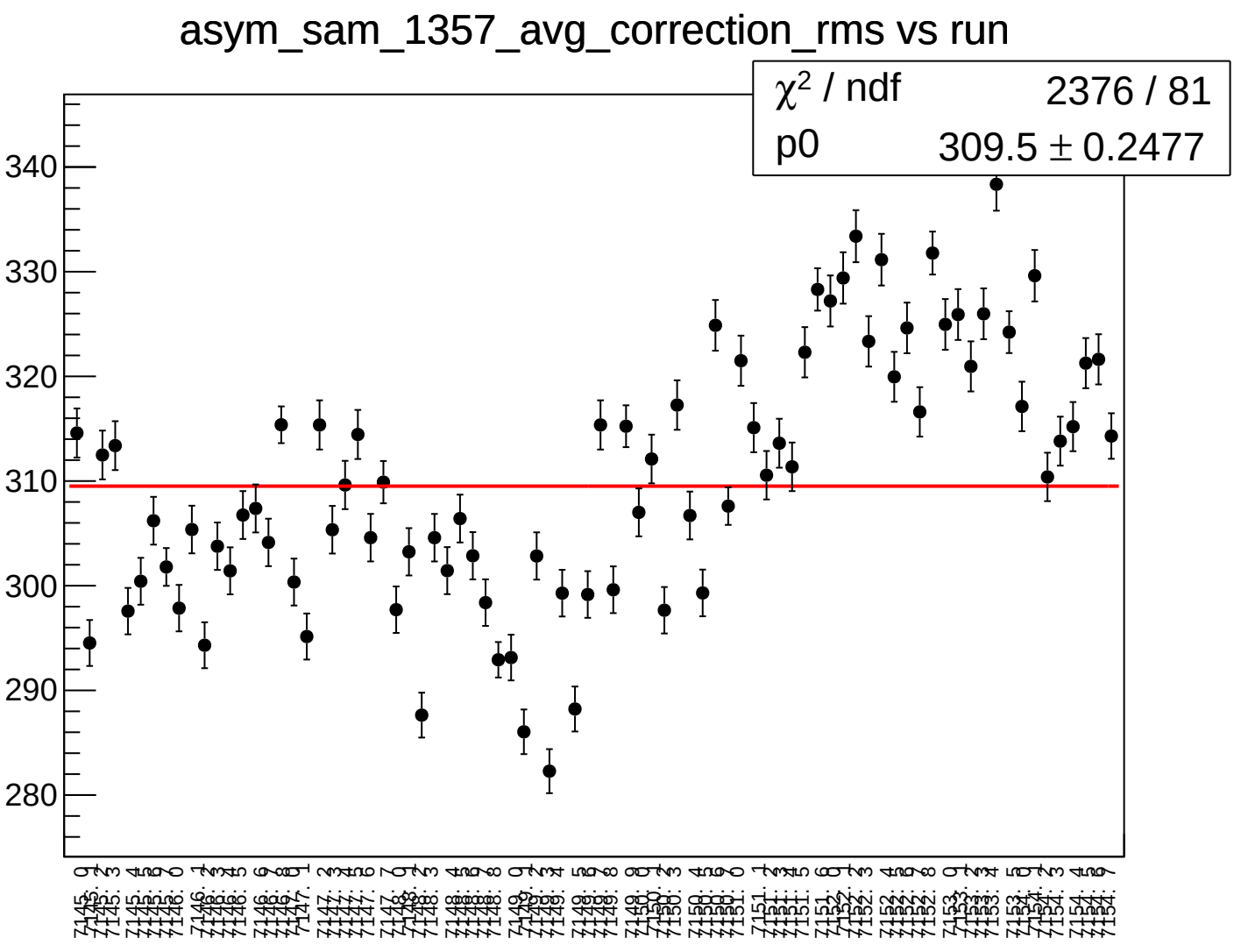

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 79.49 / 81
p0 −15.18 ± 61.67
pull
Entries 82
Mean 12.82
Std Dev 50.16

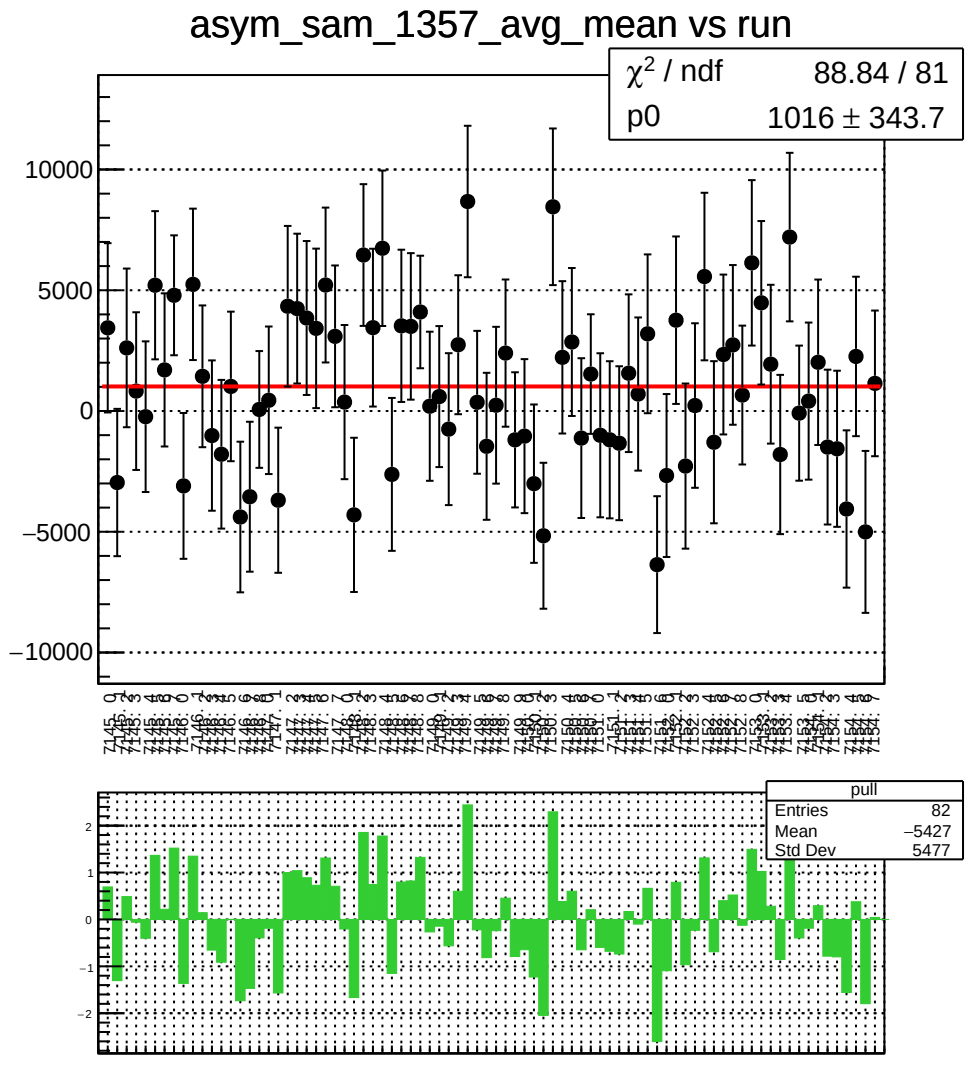

pull1D
Entries 82
Mean 0.02184
Std Dev 0.9843

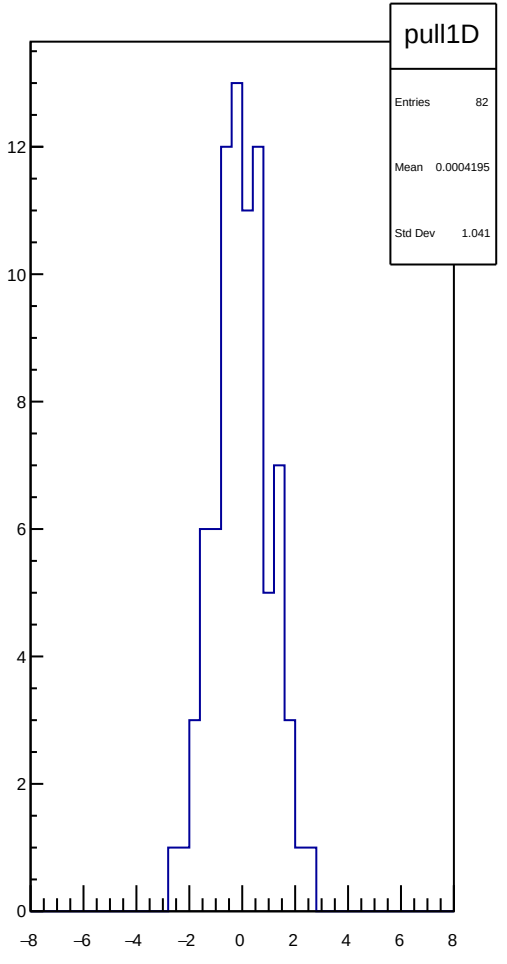

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.42e+04 / 81
p0 54.11 ± 0.04361
90
80
70
60
50

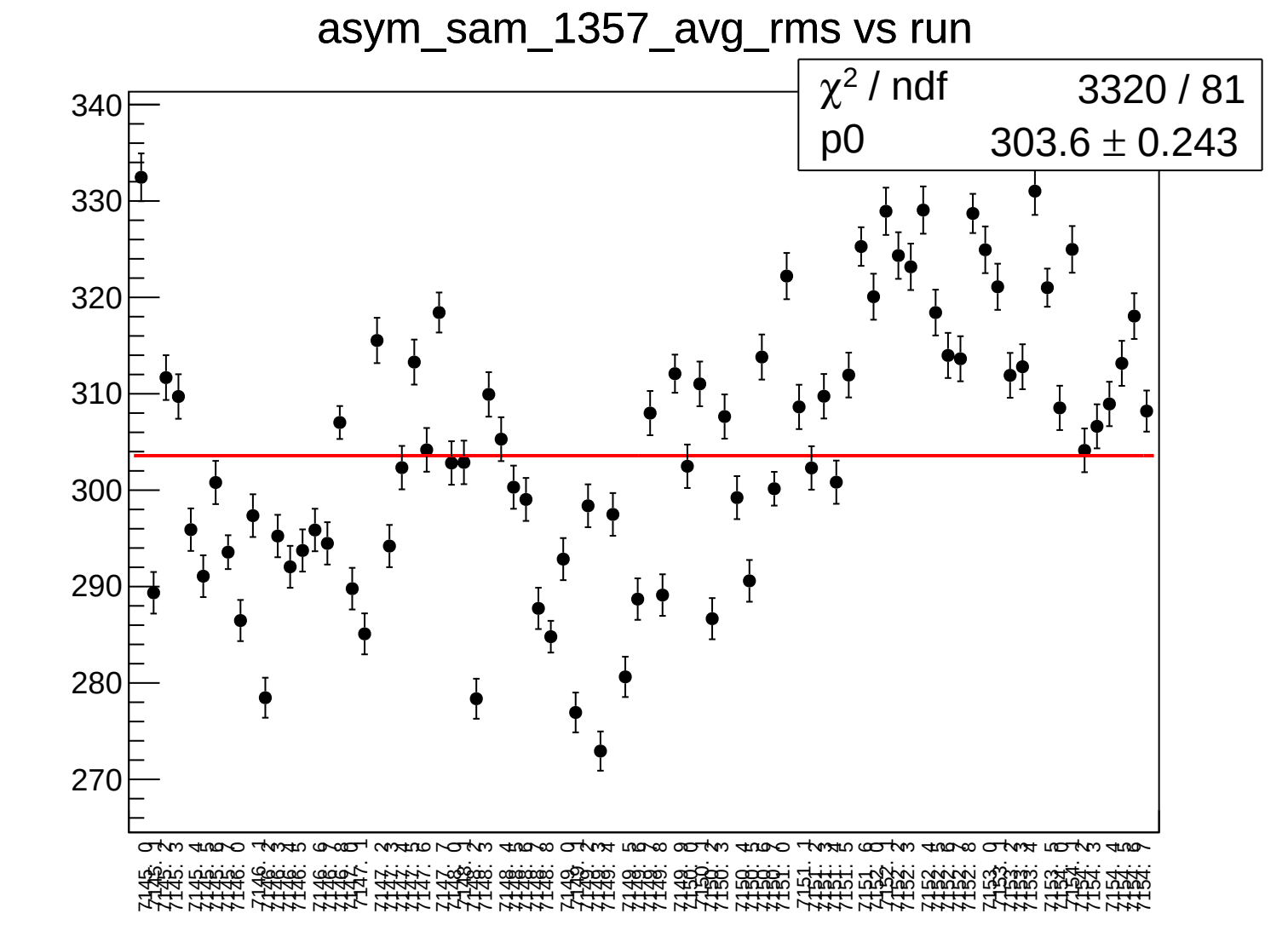

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 97.9 / 81
p0 −1047 ± 350.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1420
Std Dev 1364
2
1
0
−1
−2
−3

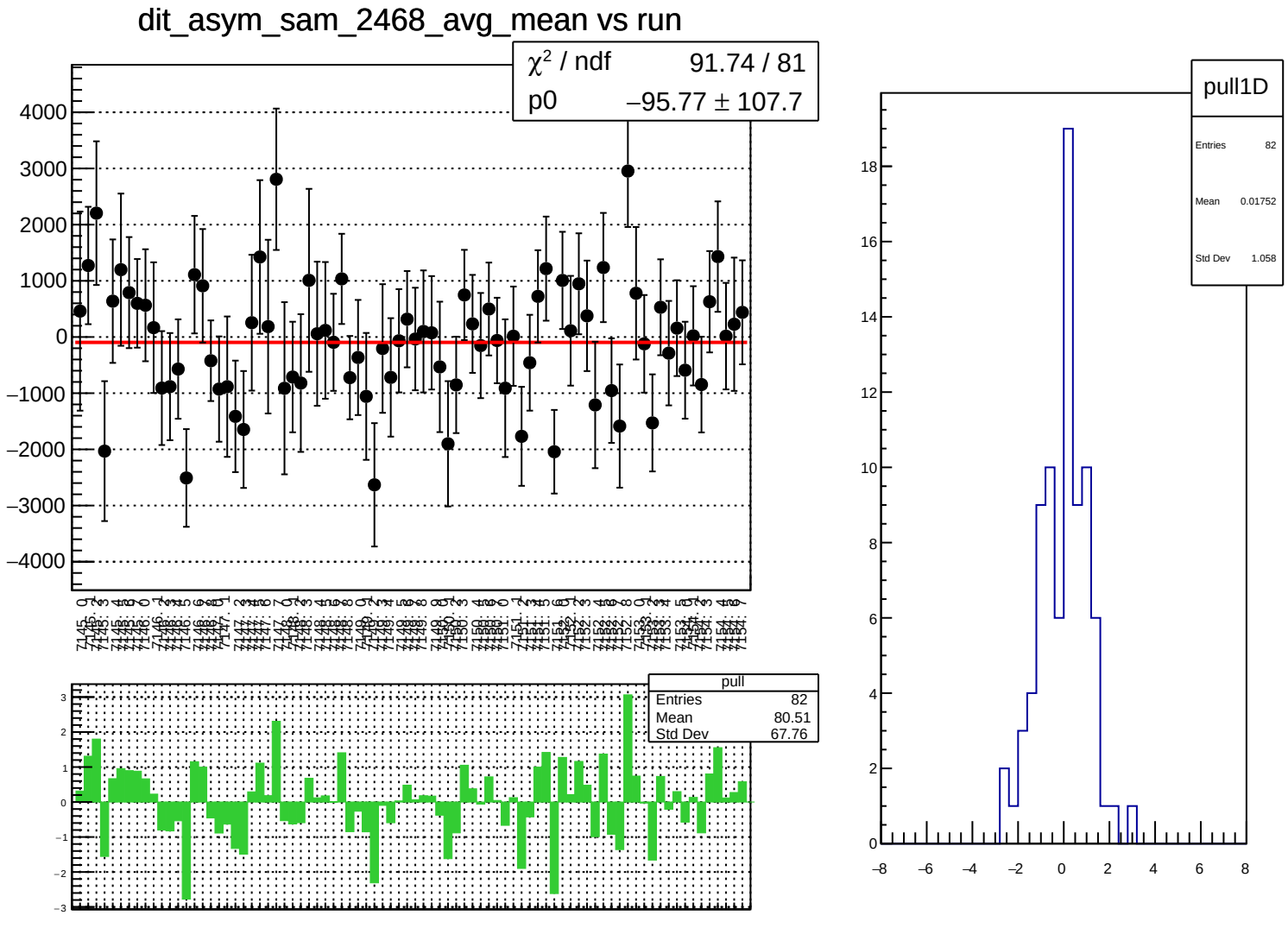

pull1D
Entries 82
Mean 0.001441
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

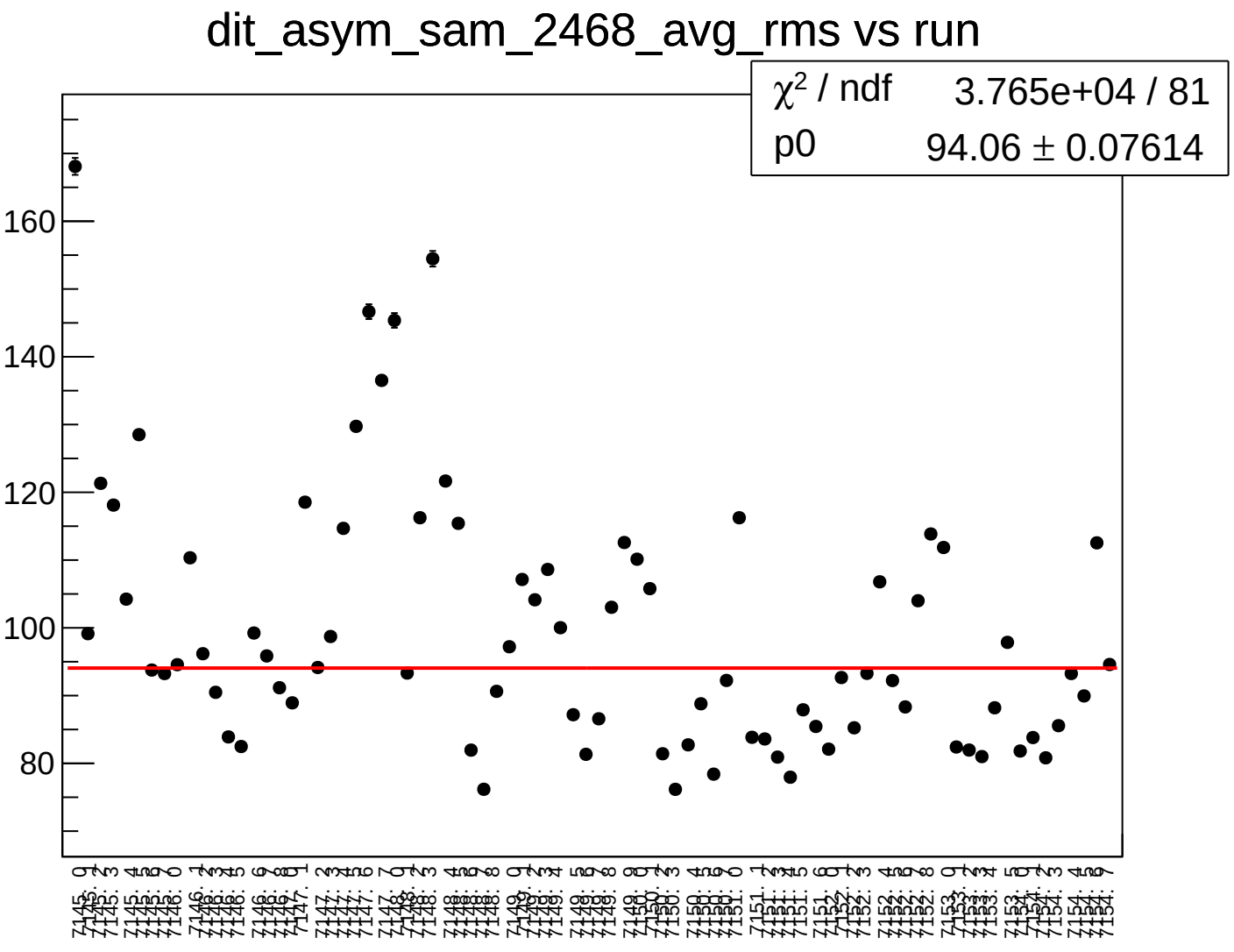

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2376 / 81
p0 309.5 ± 0.2477
340
330
320
310
300
290
280

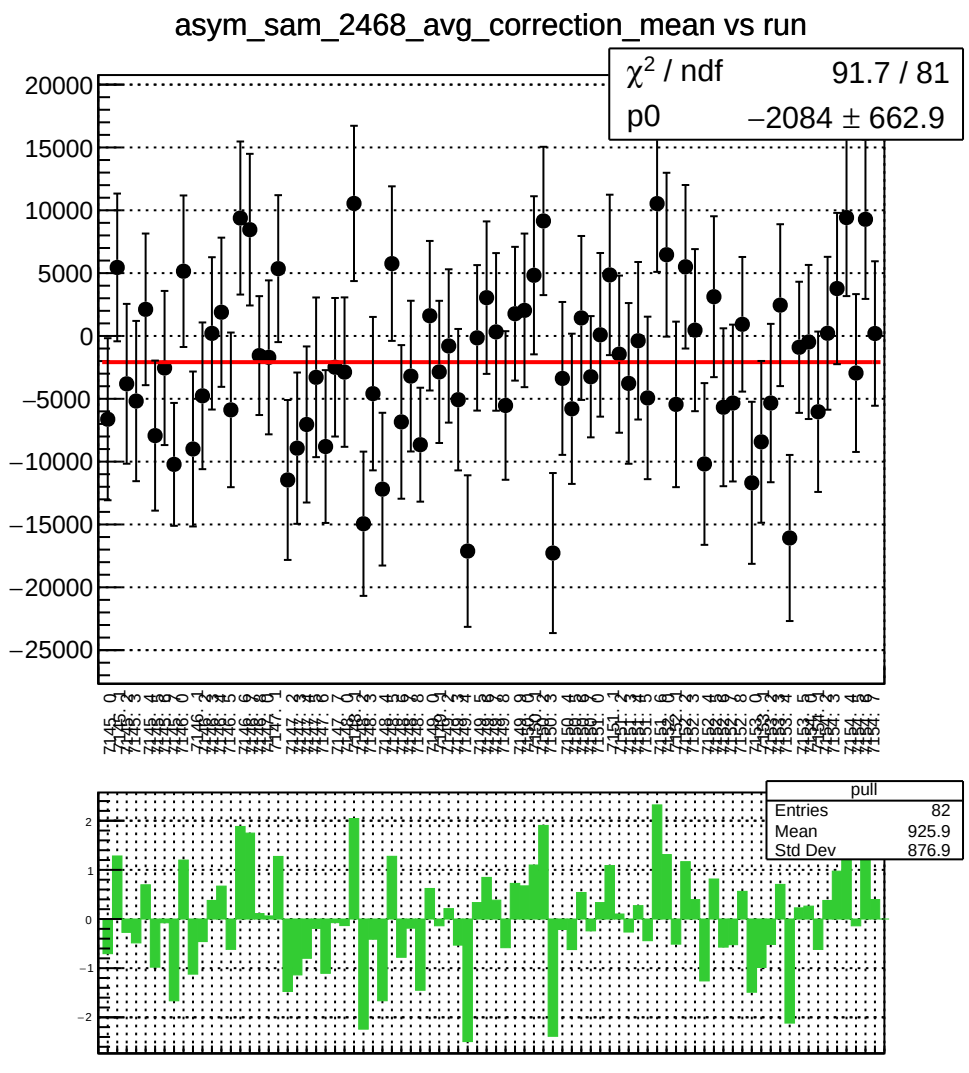

asym_sam_1357_avg_mean vs run
χ² / ndf 88.84 / 81
p0 1016 ± 343.7
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −5427
Std Dev 5477
2
1
0
−1
−2

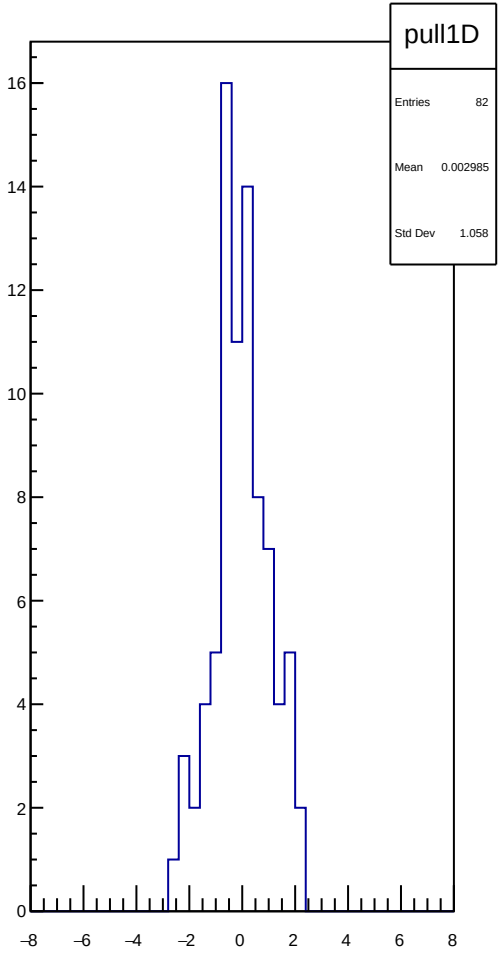

pull1D
Entries 82
Mean 0.0004195
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

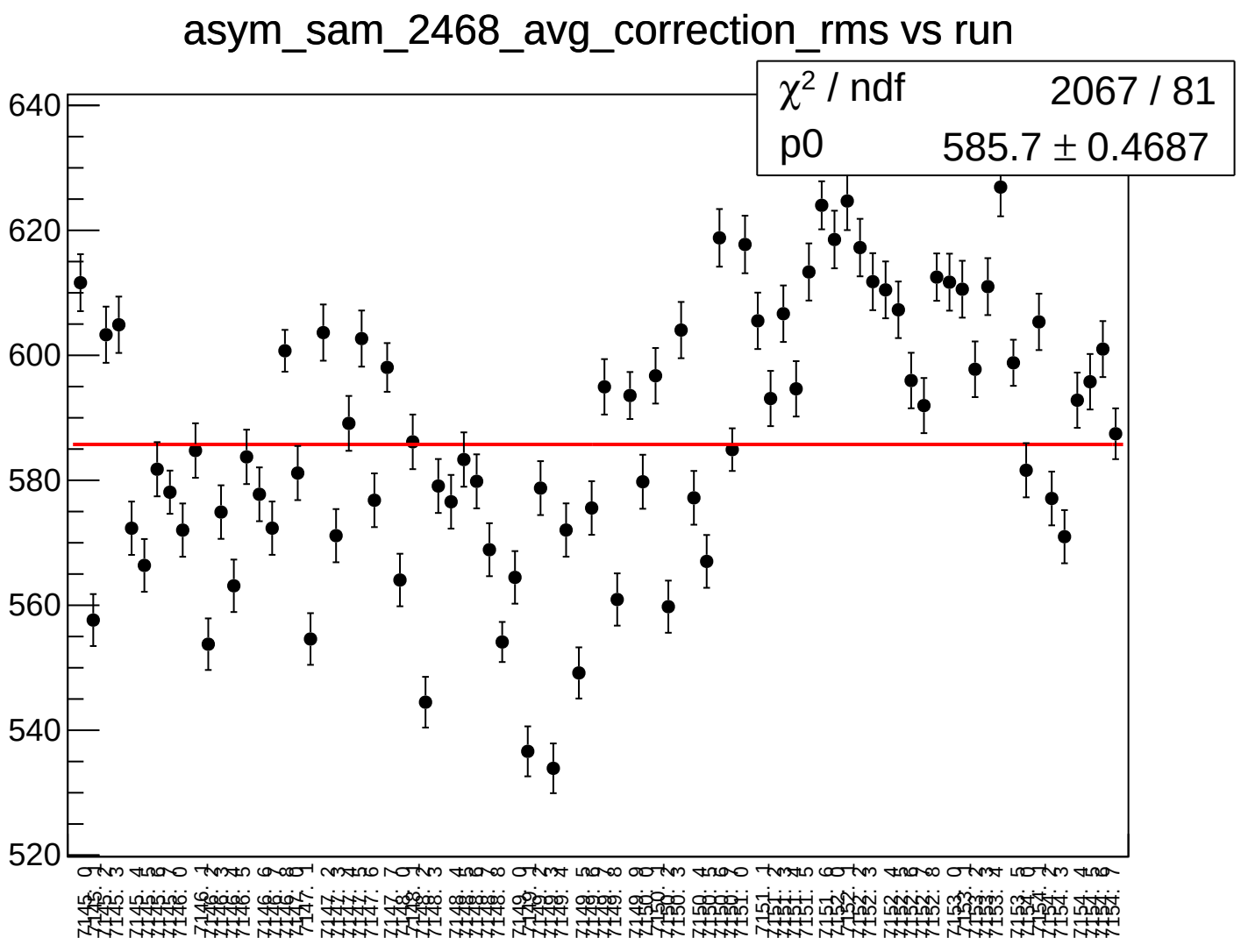

asym_sam_1357_avg_rms vs run
χ² / ndf 3320 / 81
p0 303.6 ± 0.243
340
330
320
310
300
290
280
270

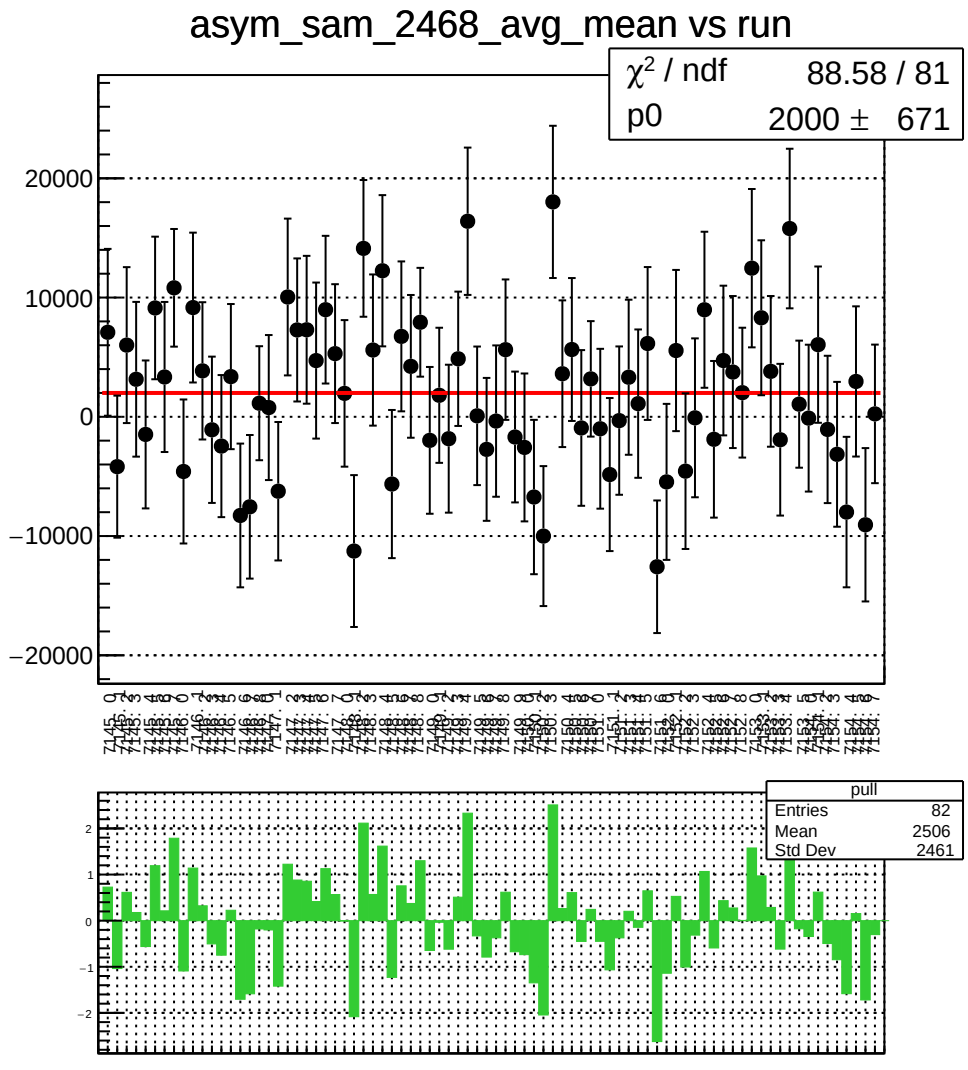

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 91.74 / 81
p0 −95.77 ± 107.7
pull
Entries 82
Mean 80.51
Std Dev 67.76
pull1D
Entries 82
Mean 0.01752
Std Dev 1.058

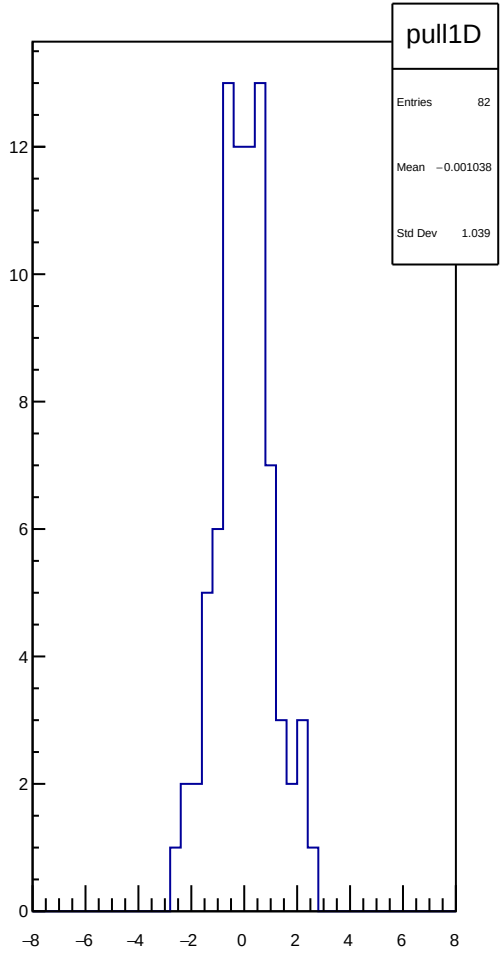

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.765e+04 / 81
p0 94.06 ± 0.07614
160
140
120
100
80

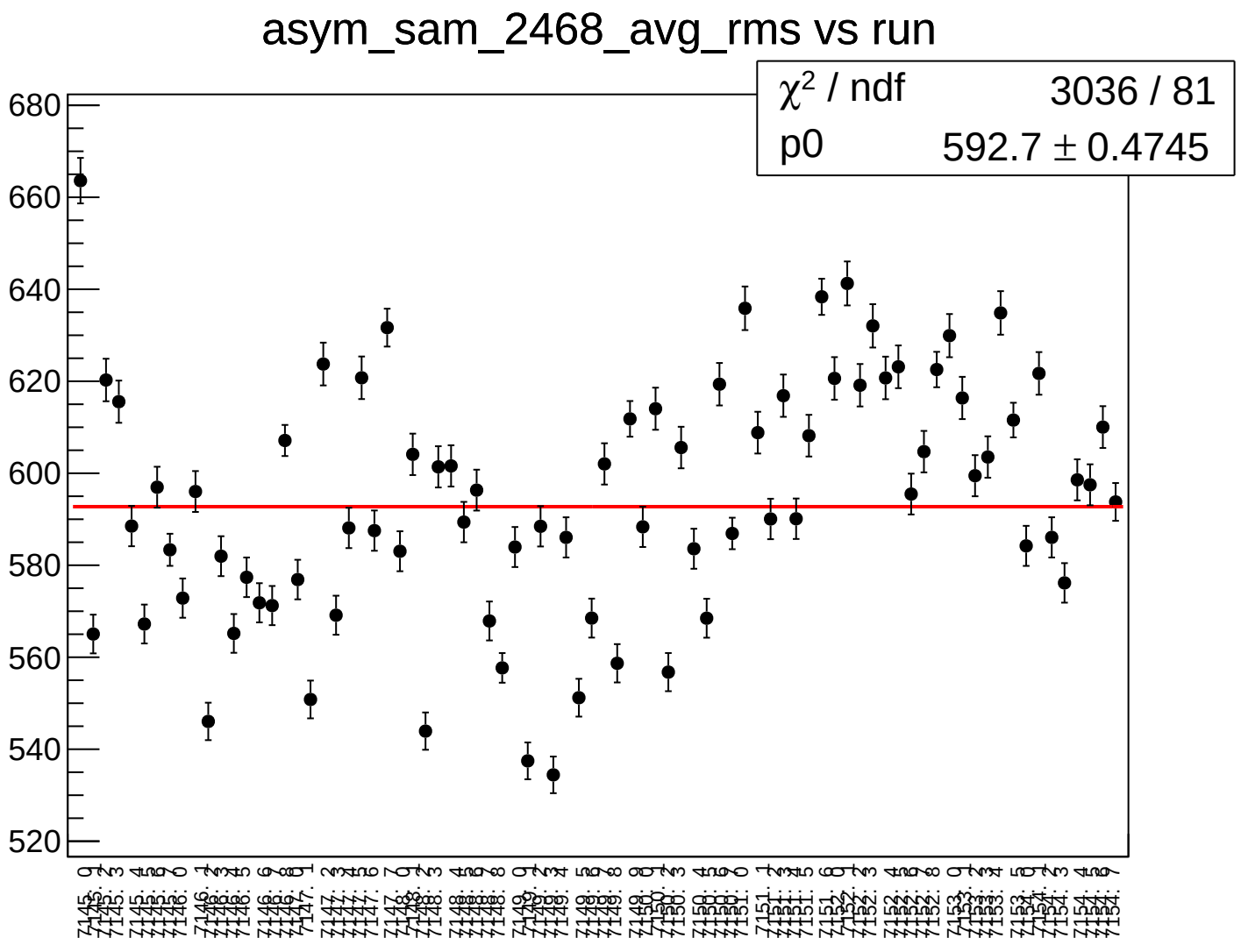

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 91.7 / 81
p0 −2084 ± 662.9
pull
Entries 82
Mean 925.9
Std Dev 876.9

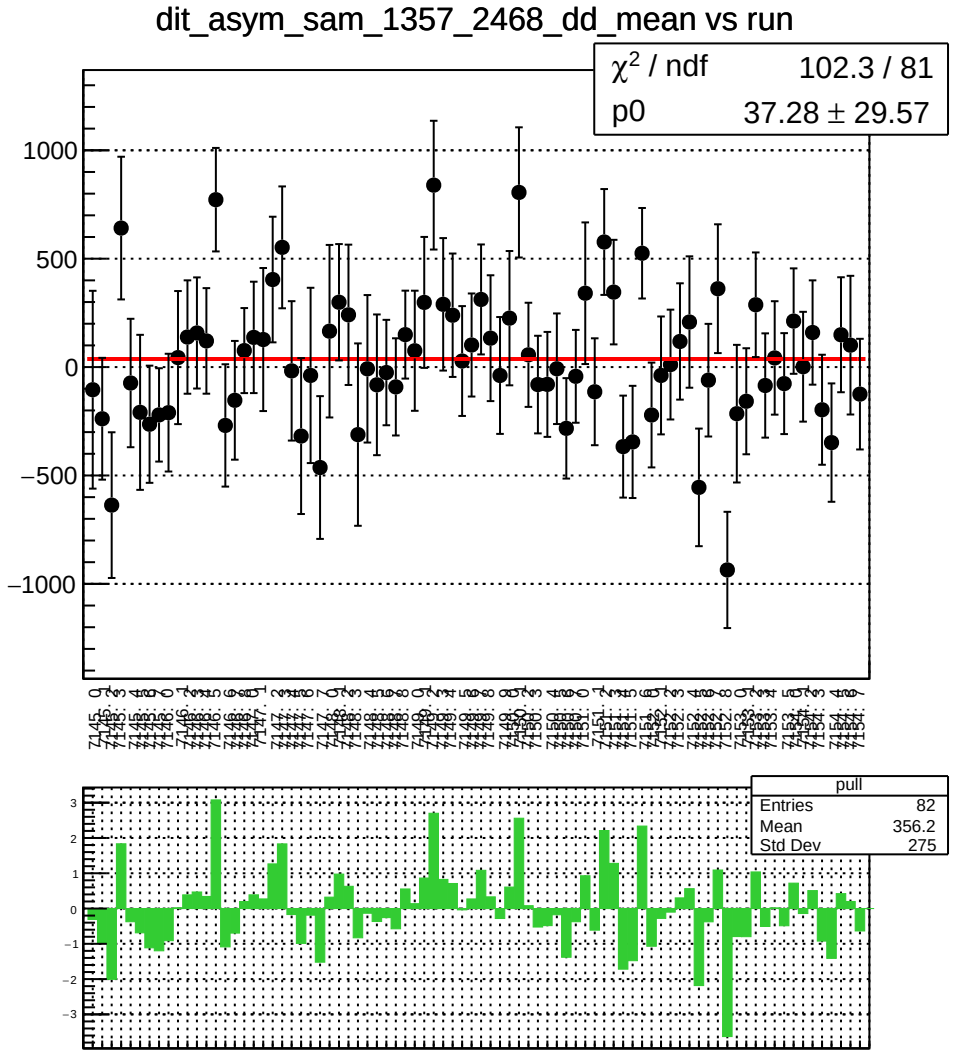

pull1D
Entries 82
Mean 0.002985
Std Dev 1.058

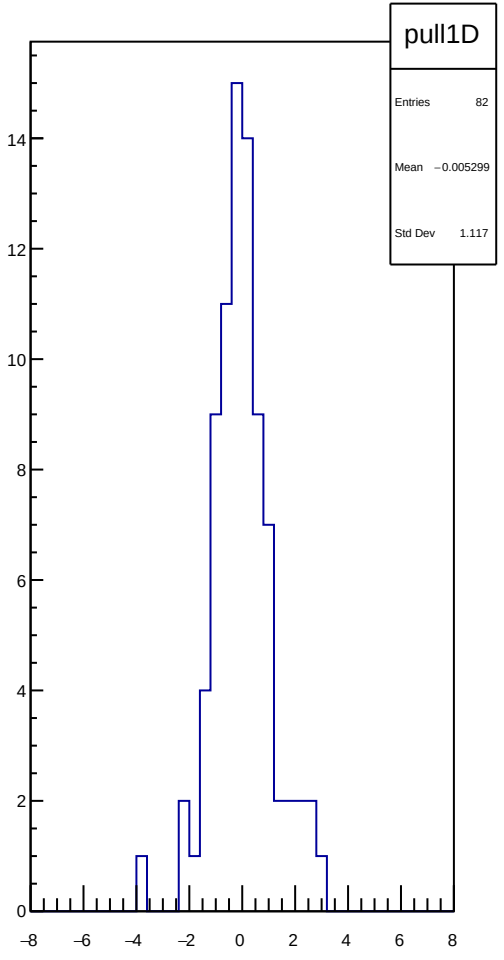

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2067 / 81
p0 585.7 ± 0.4687
640
620
600
580
560
540
520

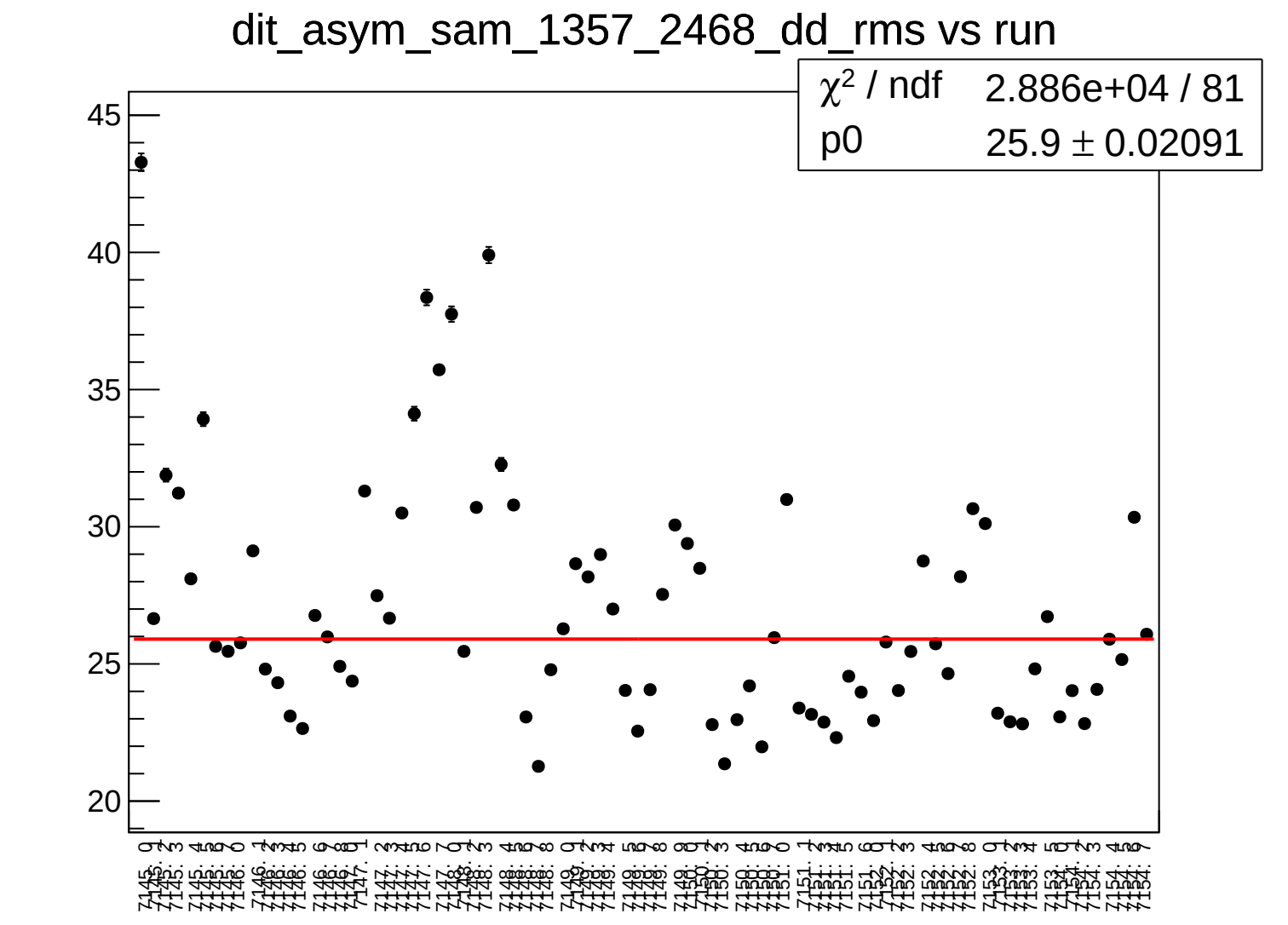

asym_sam_2468_avg_mean vs run
χ² / ndf 88.58 / 81
p0 2000 ± 671
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 2506
Std Dev 2461
2
1
0
−1
−2

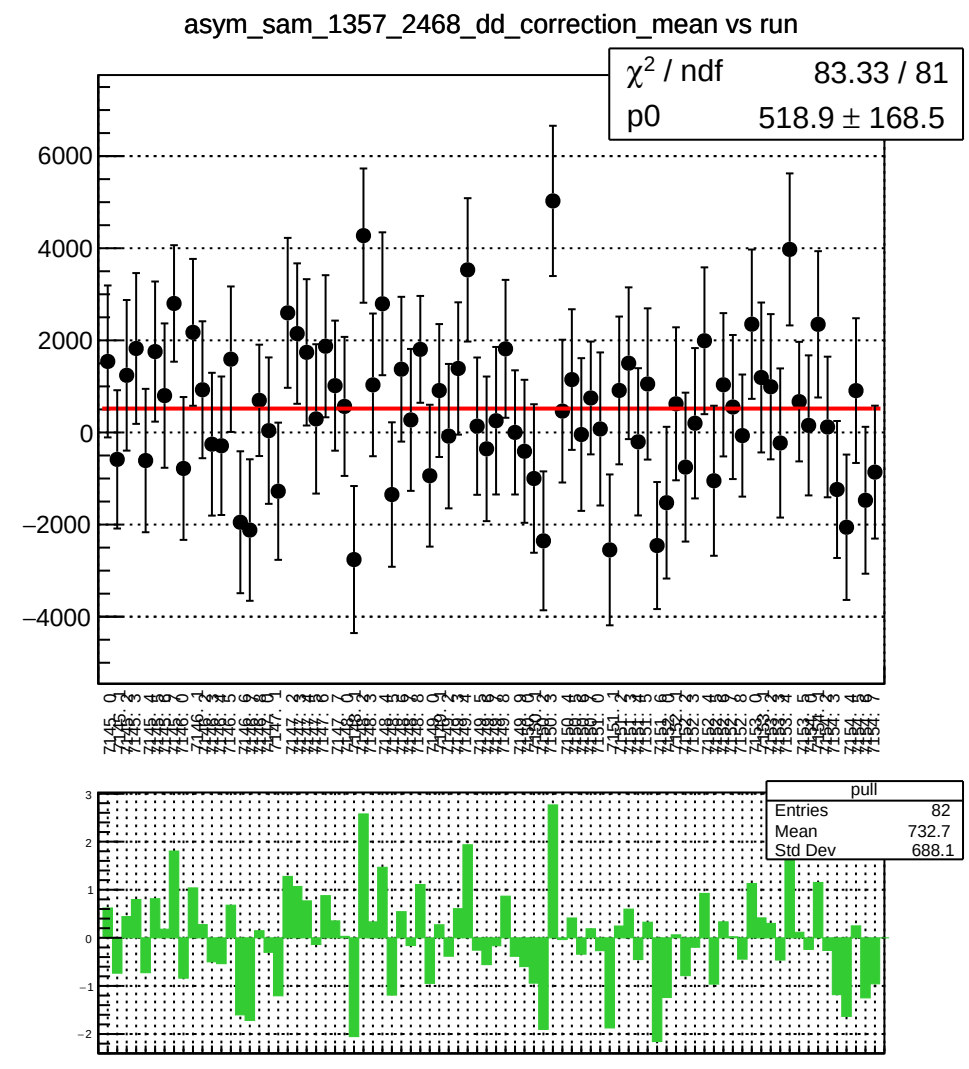

pull1D
Entries 82
Mean −0.001038
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

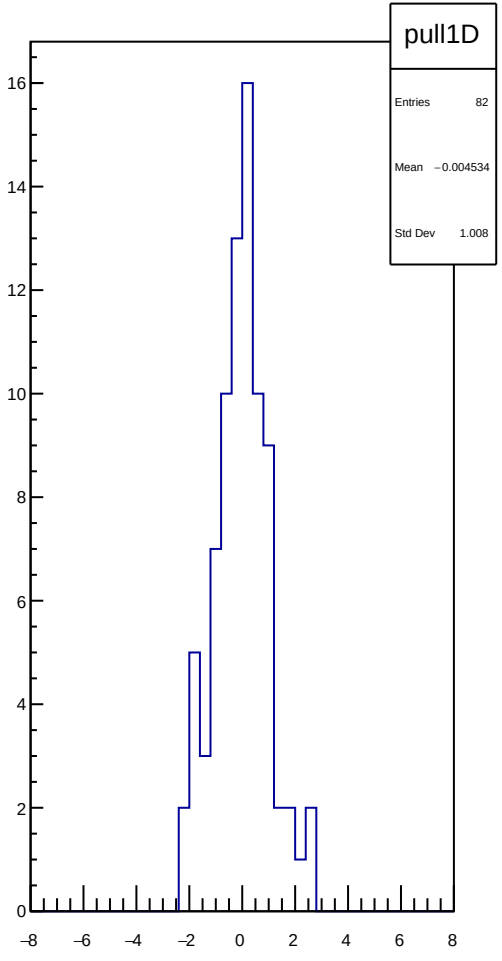

asym_sam_2468_avg_rms vs run
χ² / ndf 3036 / 81
p0 592.7 ± 0.4745
680
660
640
620
600
580
560
540
520

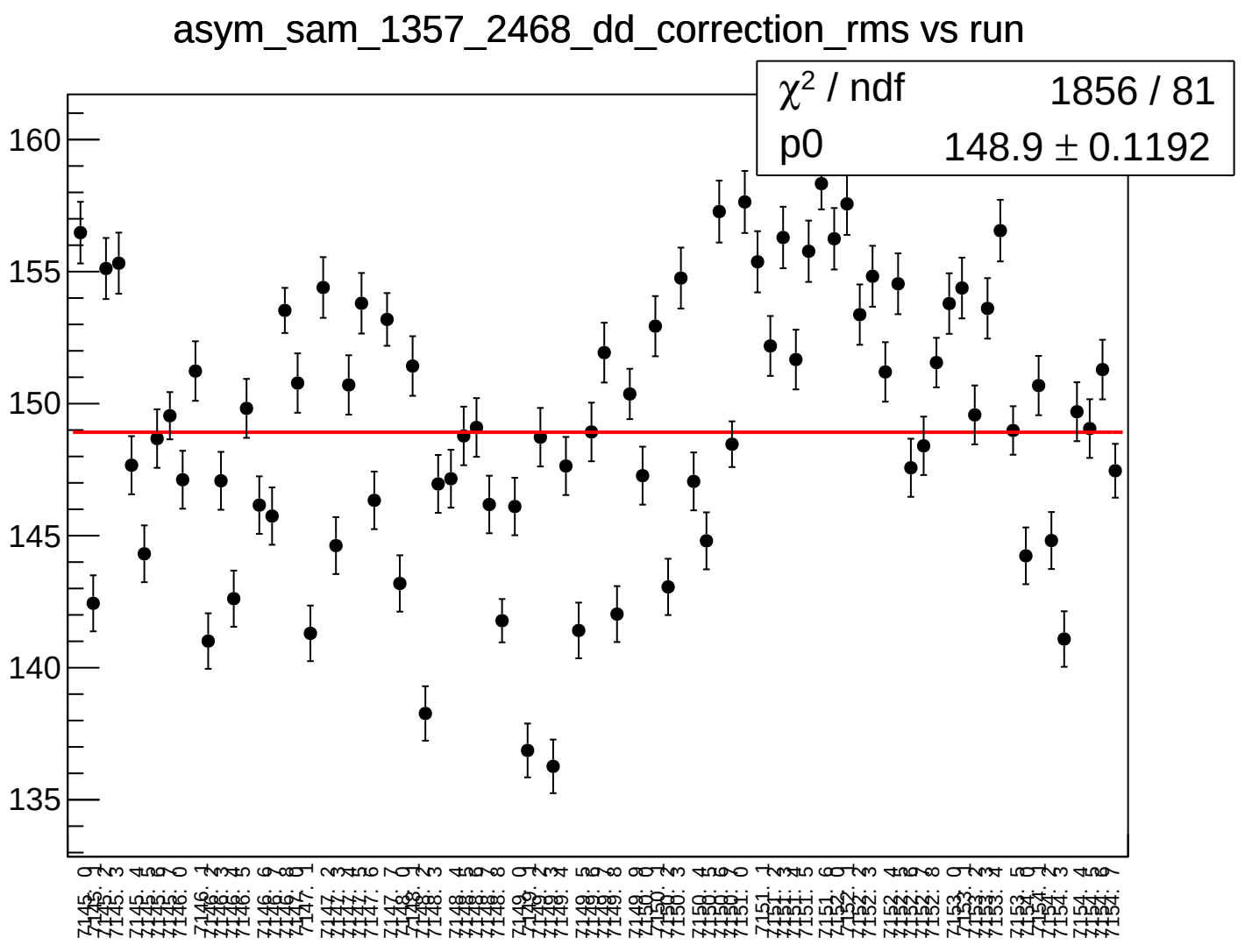

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 102.3 / 81
p0 37.28 ± 29.57
pull
Entries 82
Mean 356.2
Std Dev 275

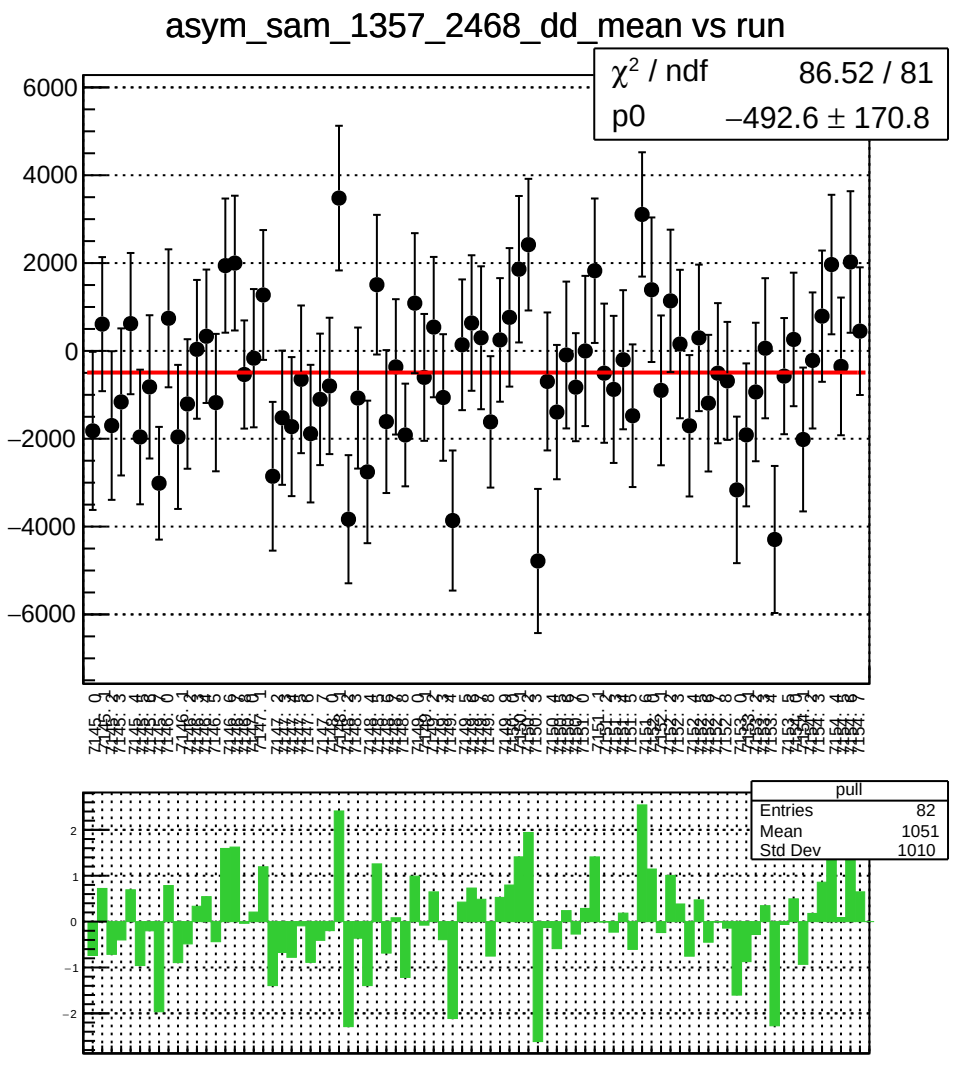

pull1D
Entries 82
Mean −0.005299
Std Dev 1.117

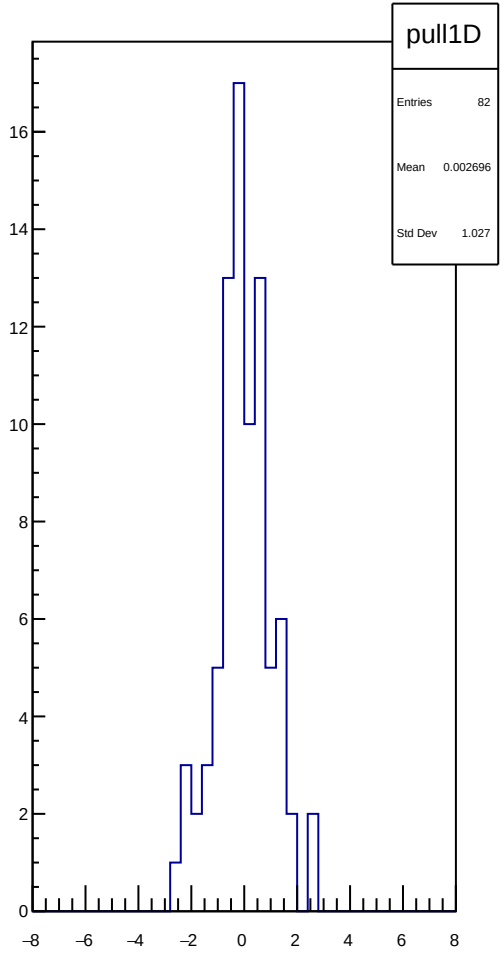

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.886e+04 / 81
p0 25.9 ± 0.02091
45
40
35
30
25
20

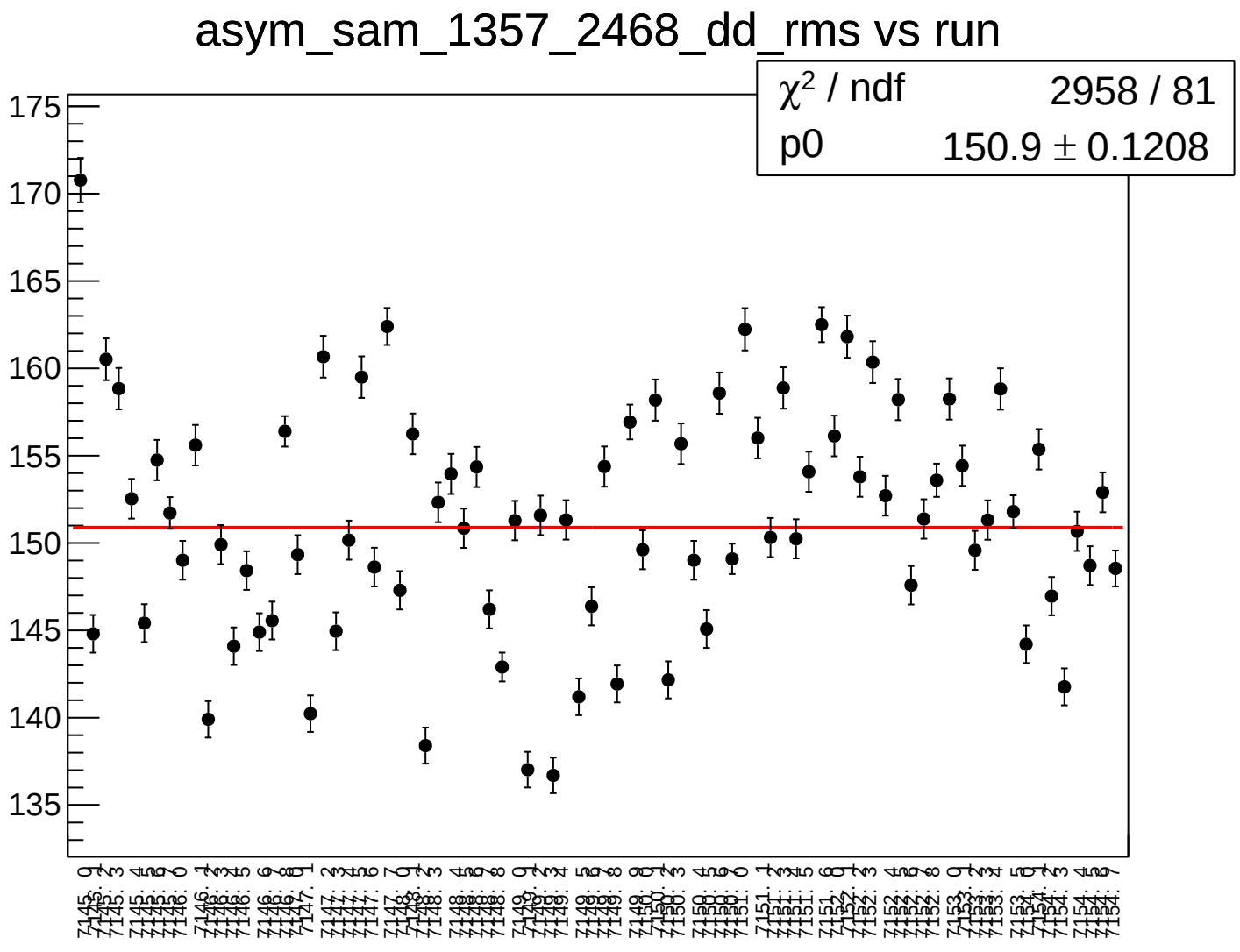

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 83.33 / 81
p0 518.9 ± 168.5
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 732.7
Std Dev 688.1
3
2
1
0
−1
−2

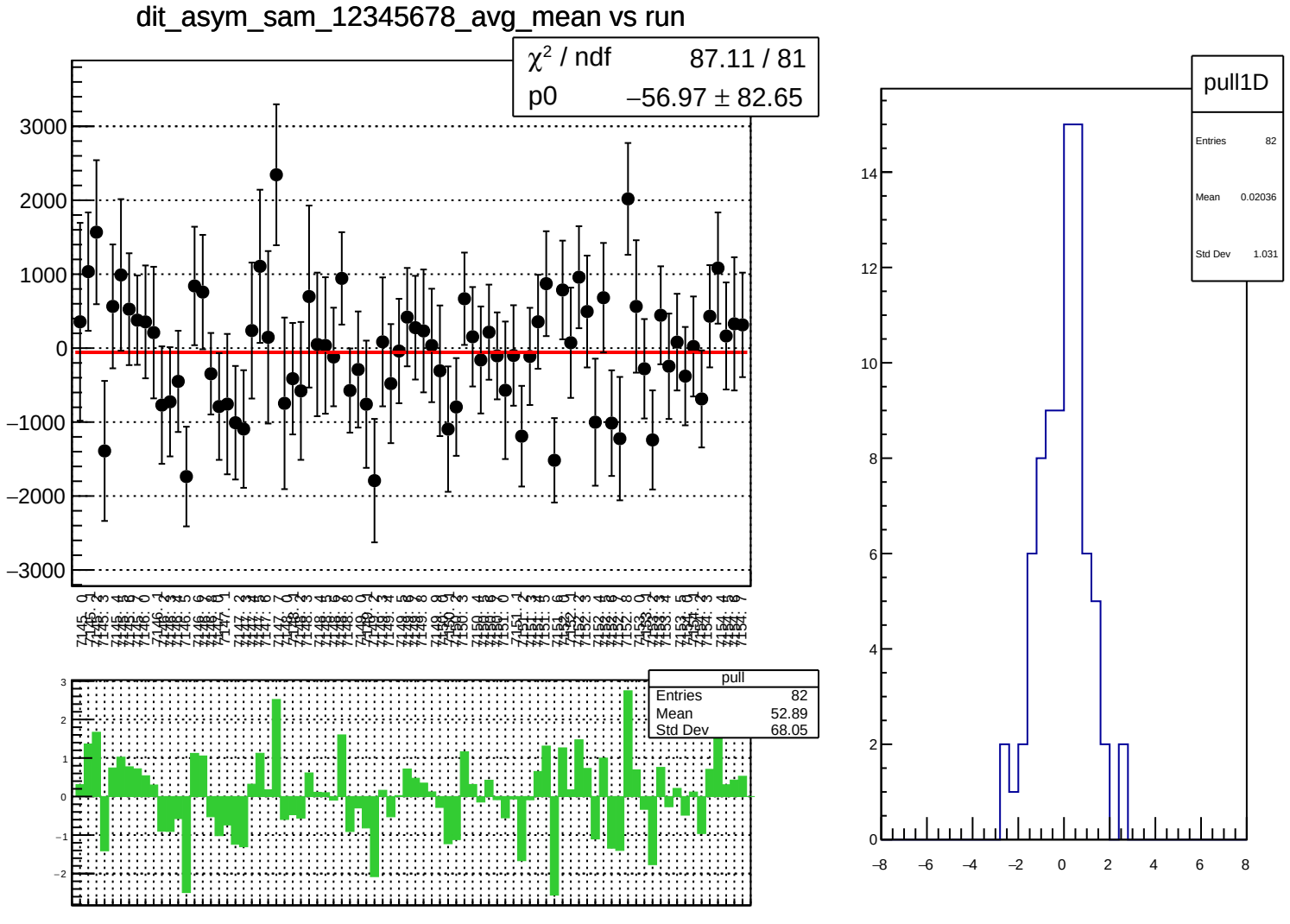

pull1D
Entries 82
Mean −0.004534
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

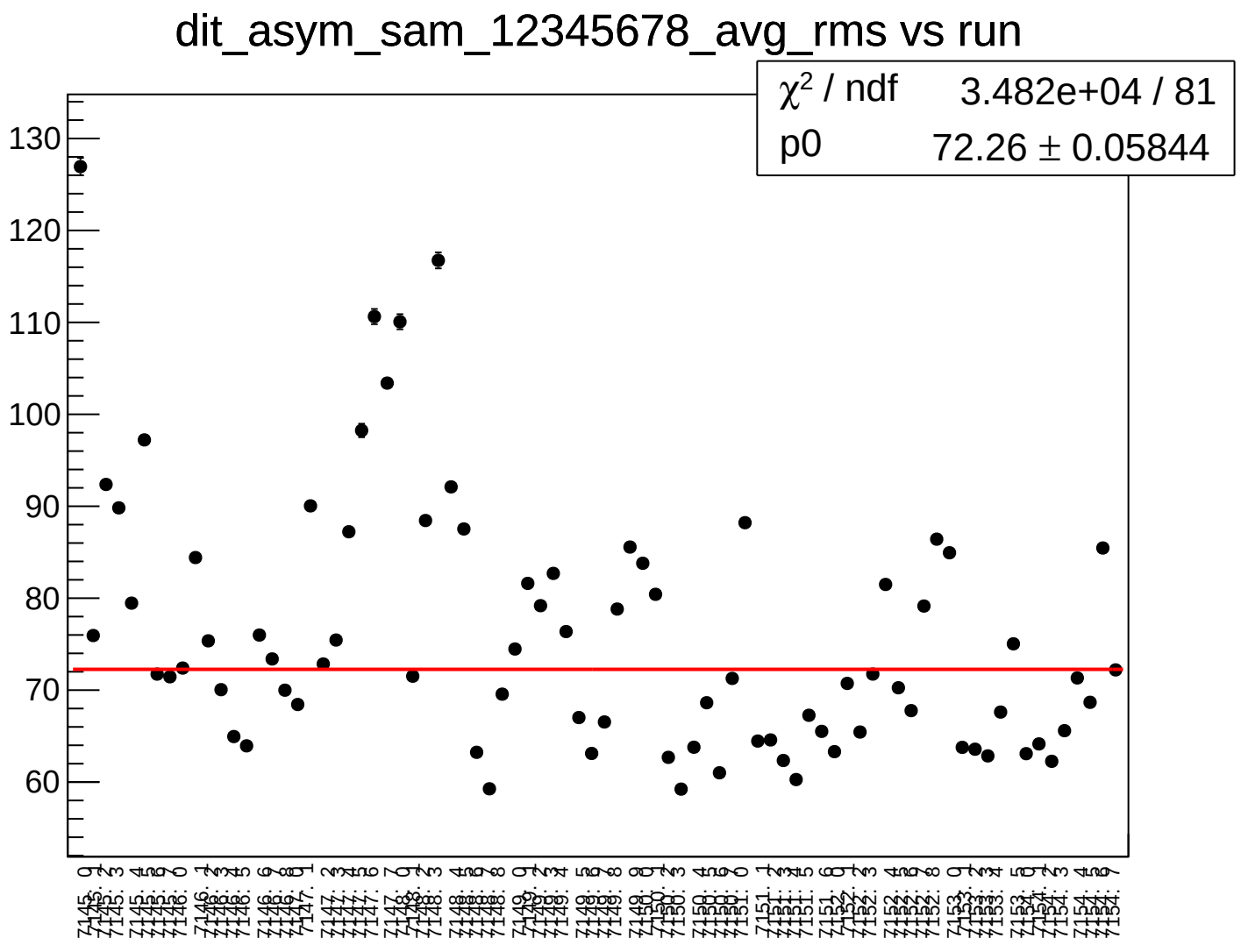

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1856 / 81
p0 148.9 ± 0.1192
160
155
150
145
140
135

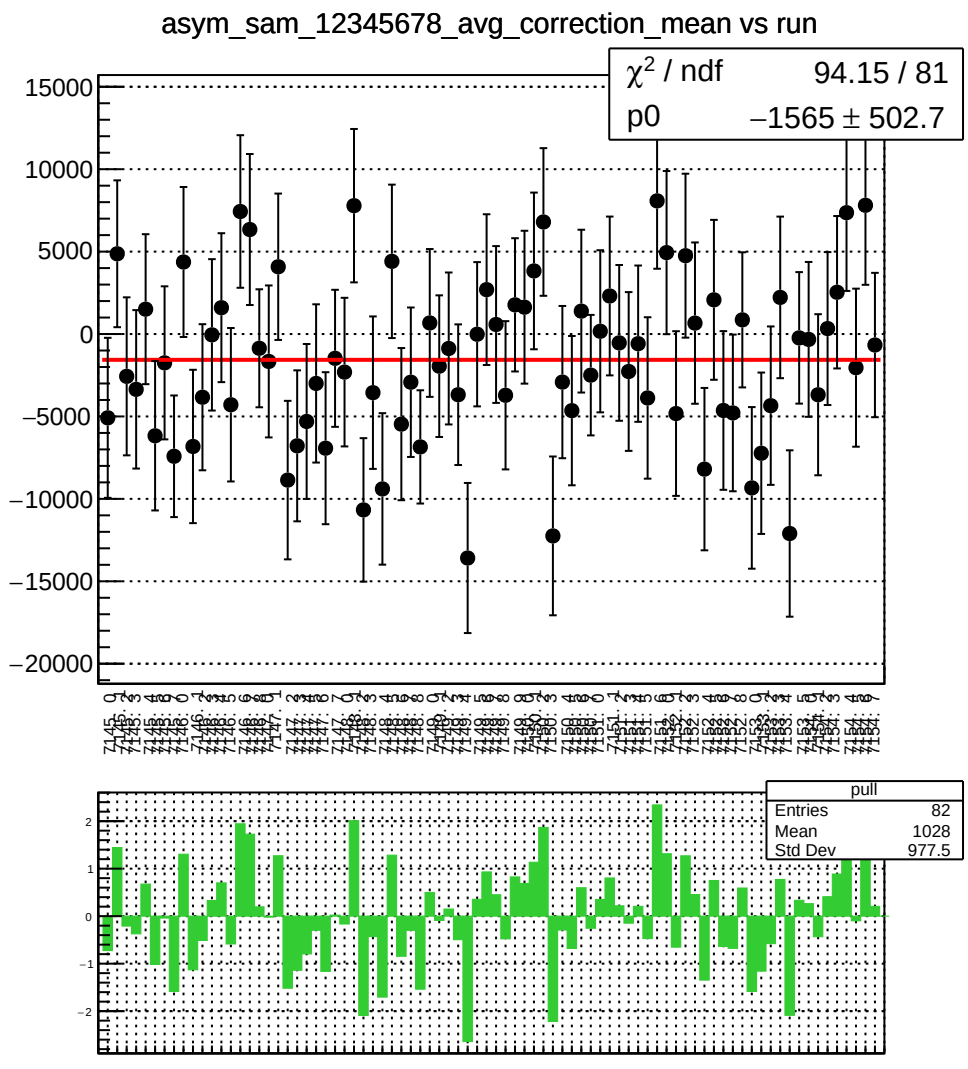

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.52 / 81
p0 −492.6 ± 170.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 82
Mean 1051
Std Dev 1010
2
1
0
−1
−2

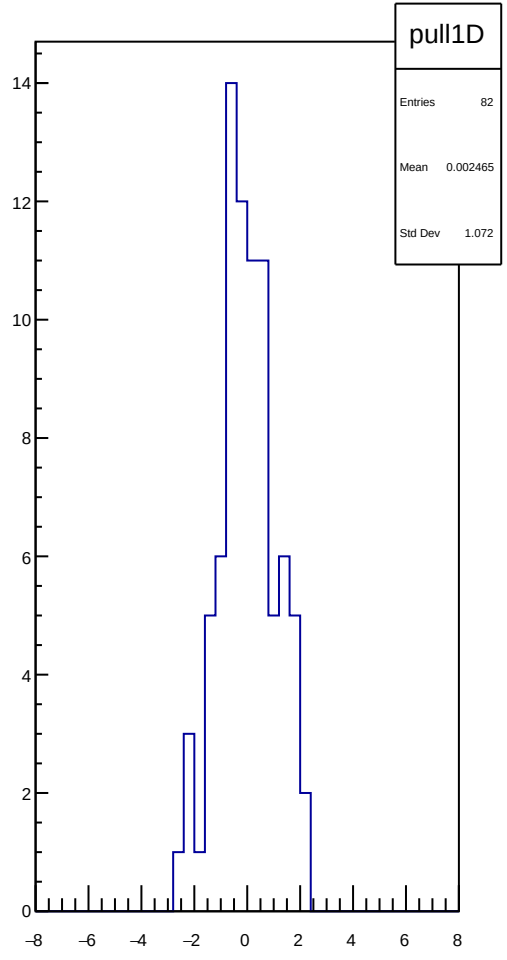

pull1D
Entries 82
Mean 0.002696
Std Dev 1.027
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

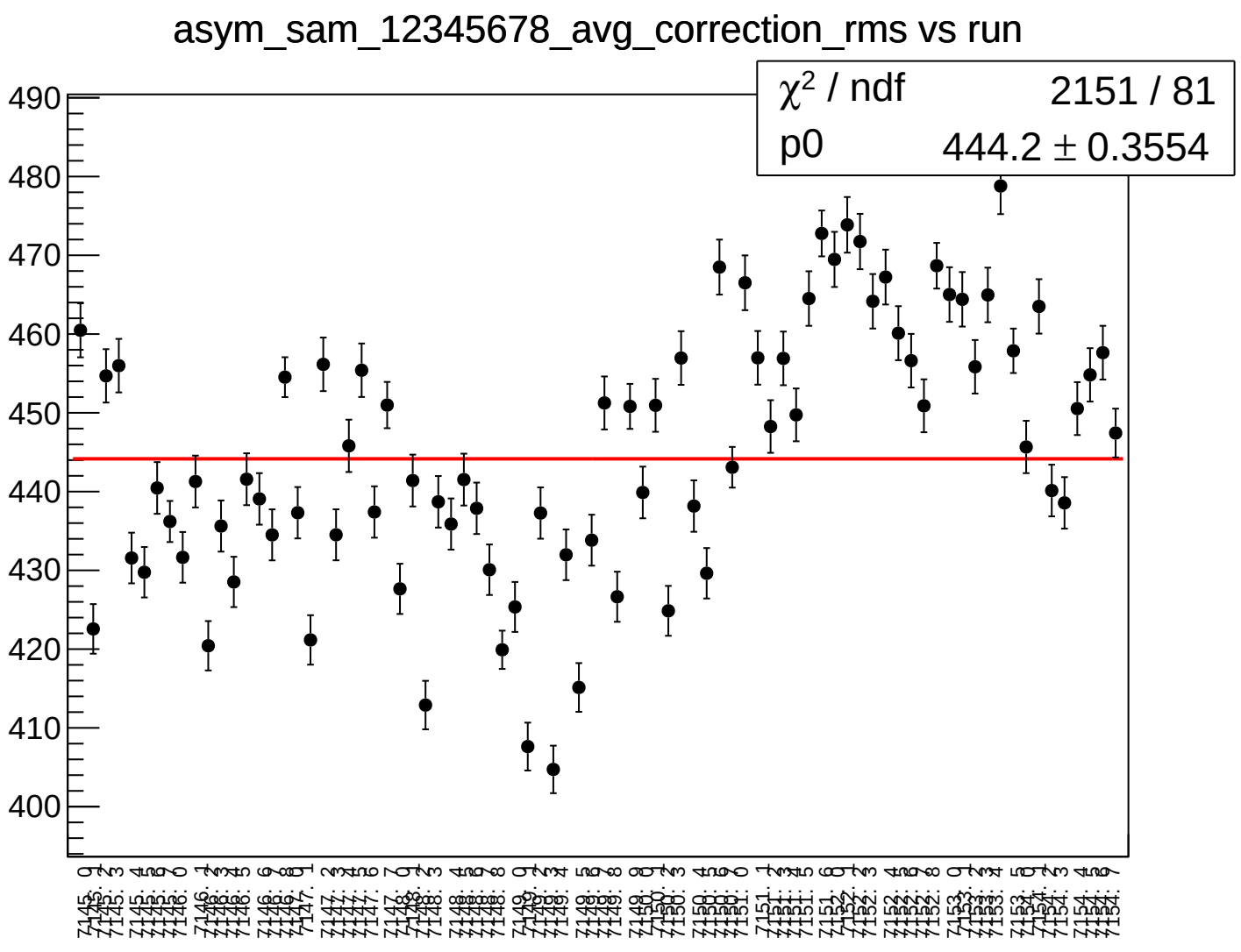

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2958 / 81
p0 150.9 ± 0.1208
175
170
165
160
155
150
145
140
135

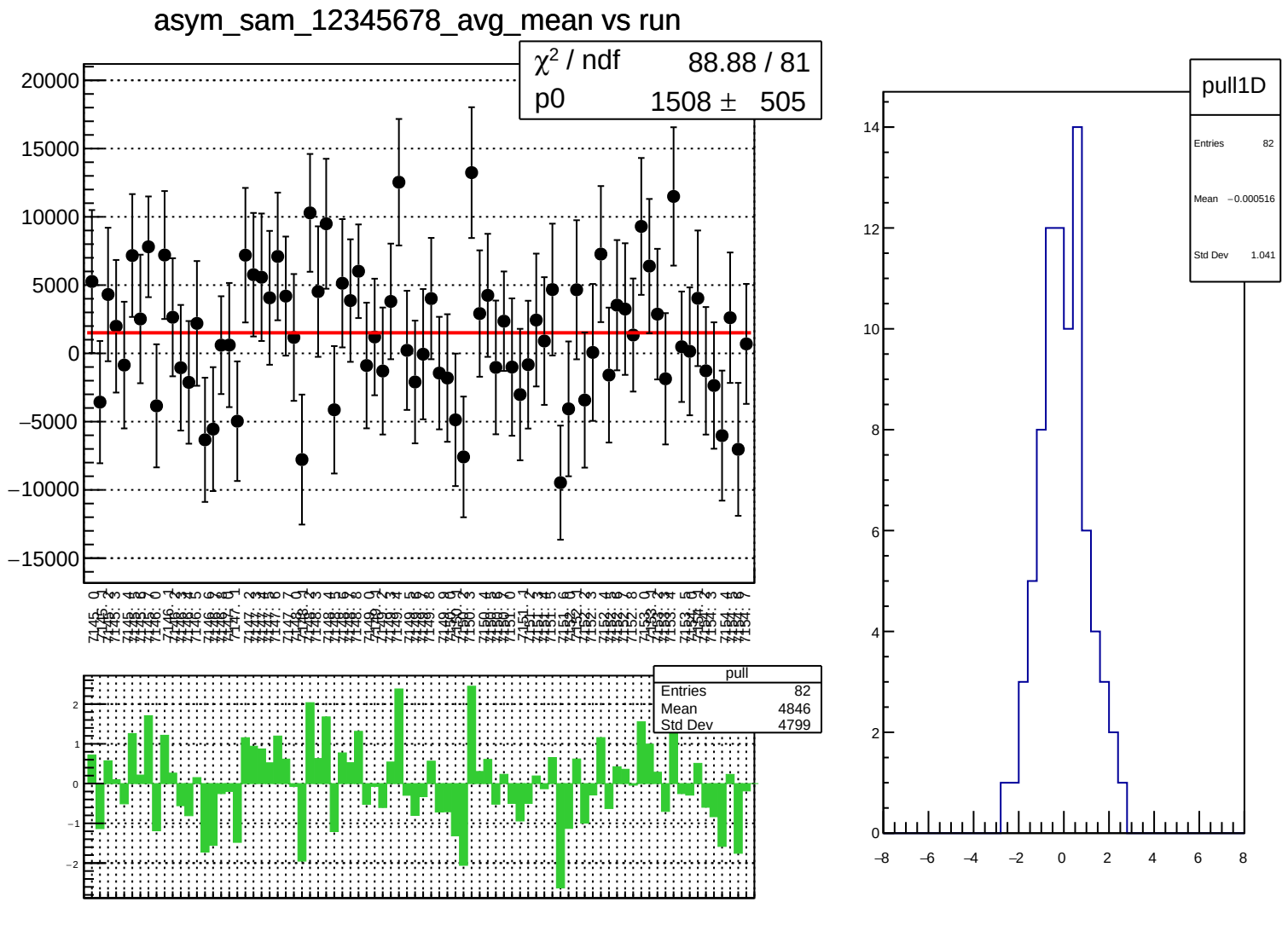

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 87.11 / 81
p0 −56.97 ± 82.65
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 82
Mean 52.89
Std Dev 68.05
pull1D
Entries 82
Mean 0.02036
Std Dev 1.031

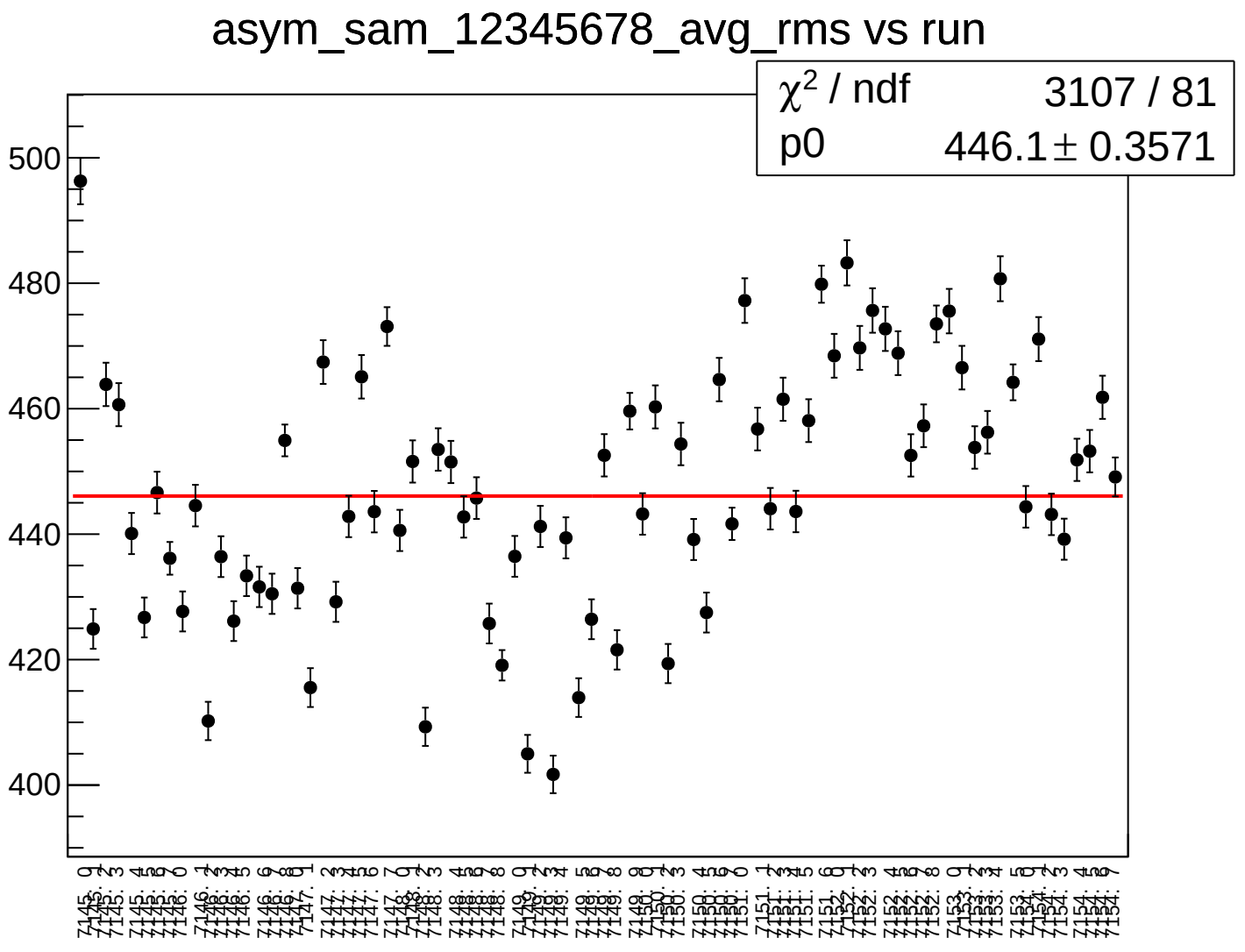

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.482e+04 / 81
p0 72.26 ± 0.05844
130
120
110
100
90
80
70
60

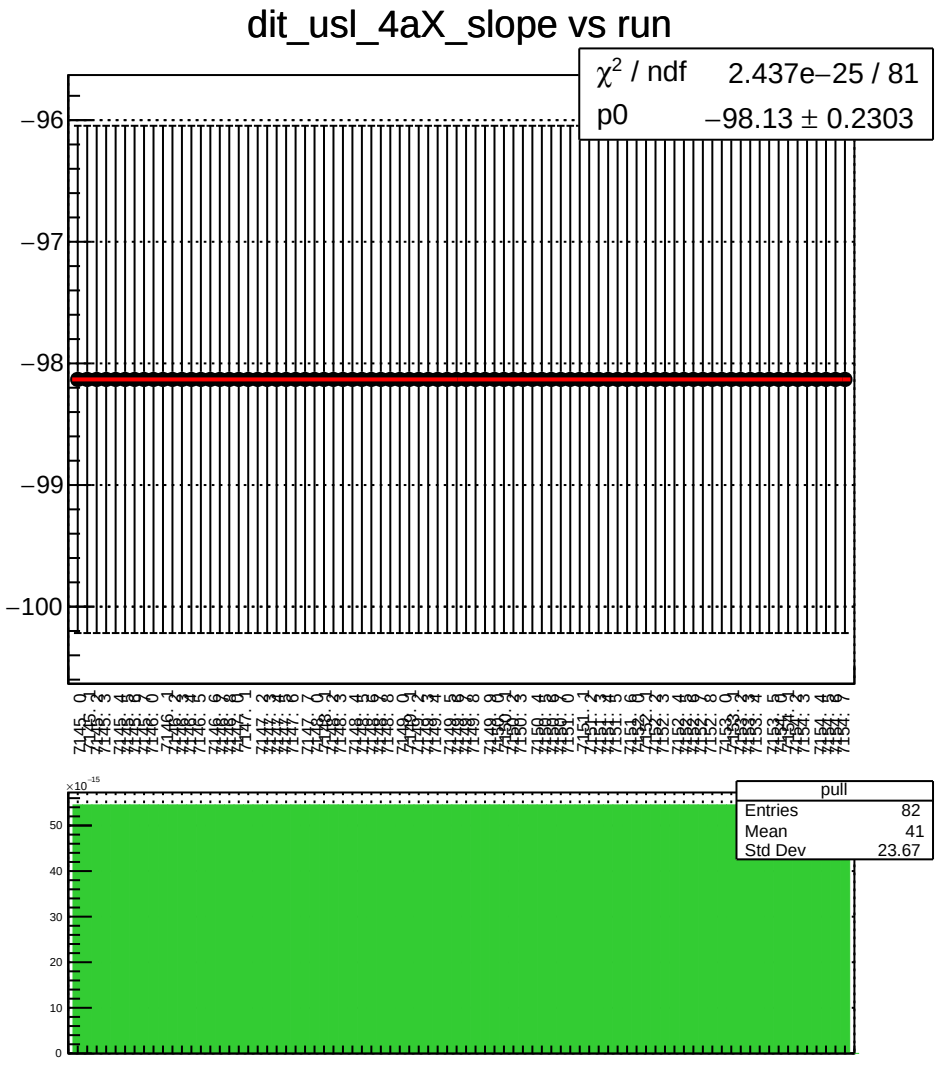

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 94.15 / 81
p0 −1565 ± 502.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 82
Mean 1028
Std Dev 977.5
2
1
0
−1
−2

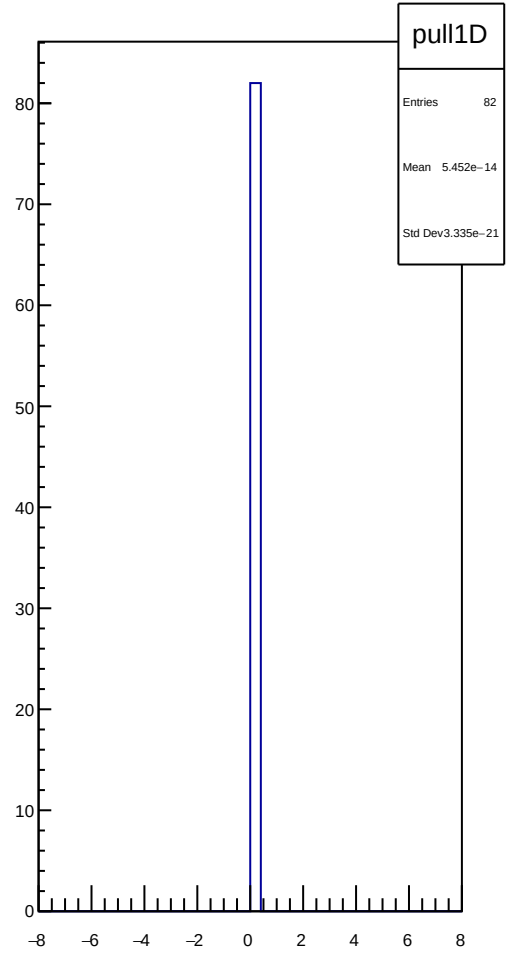

pull1D
Entries 82
Mean 0.002465
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

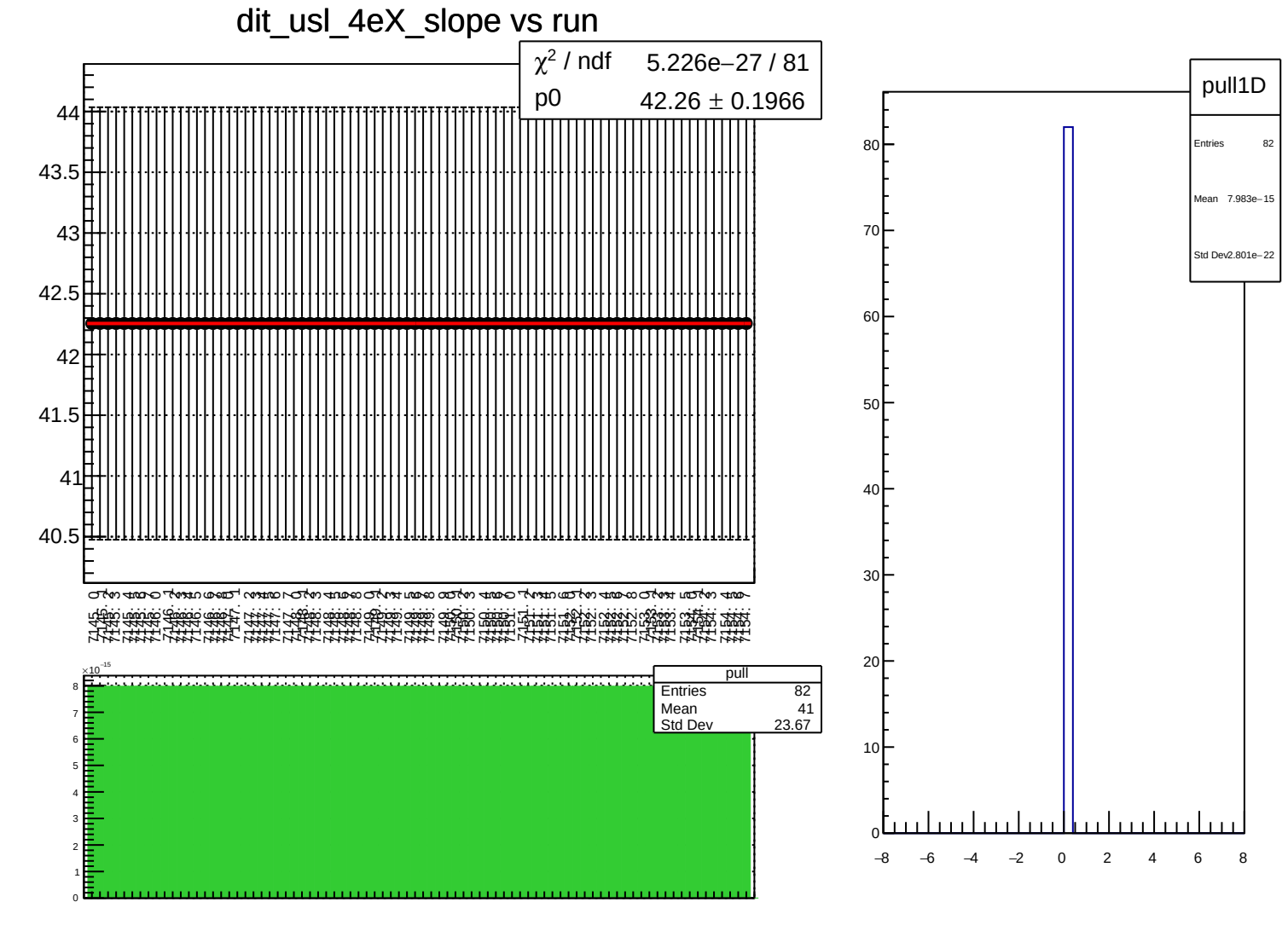

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2151 / 81
p0 444.2 ± 0.3554
490
480
470
460
450
440
430
420
410
400

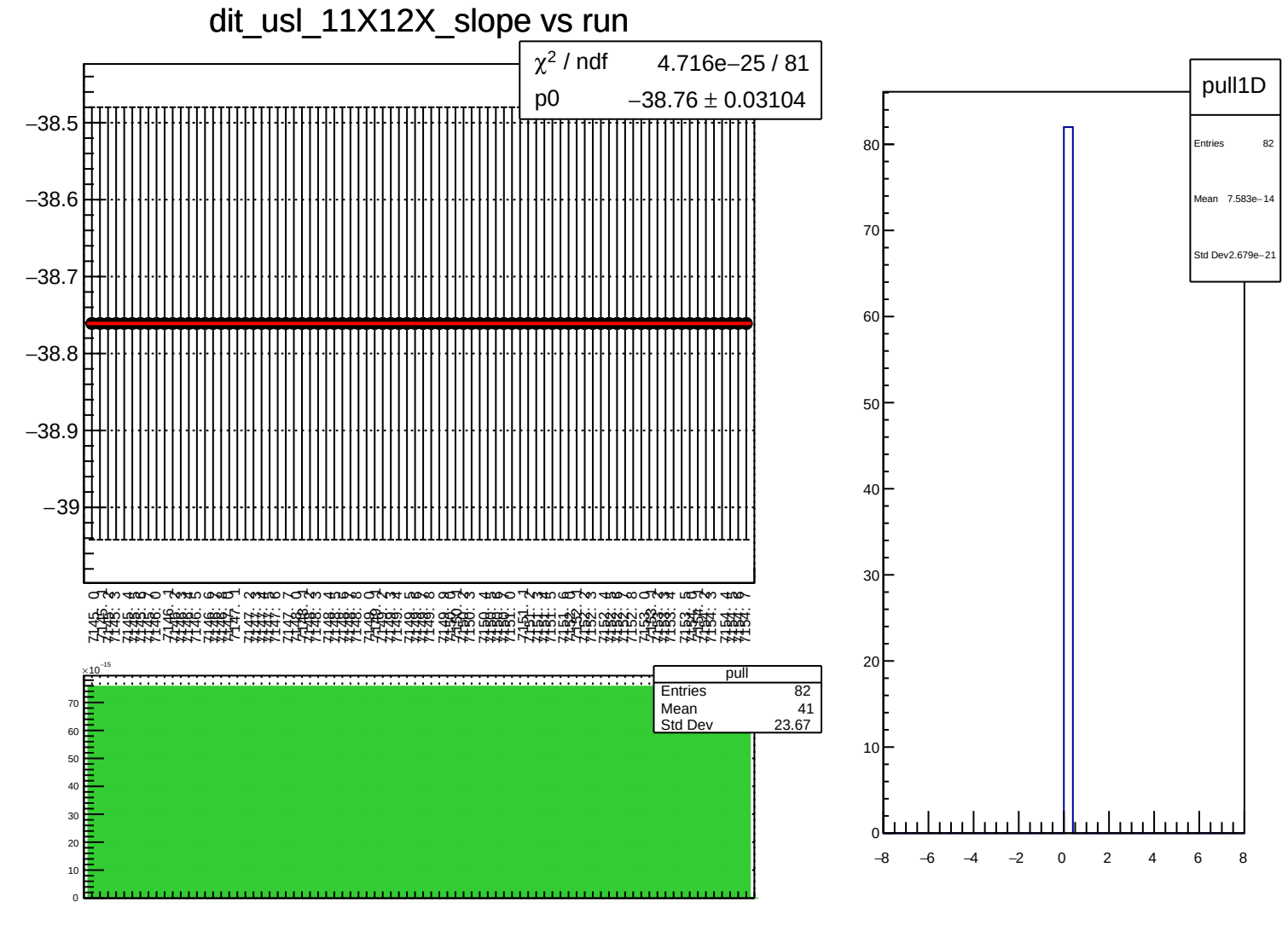

asym_sam_12345678_avg_mean vs run
χ² / ndf 88.88 / 81
p0 1508 ± 505
pull
Entries 82
Mean 4846
Std Dev 4799
pull1D
Entries 82
Mean −0.000516
Std Dev 1.041

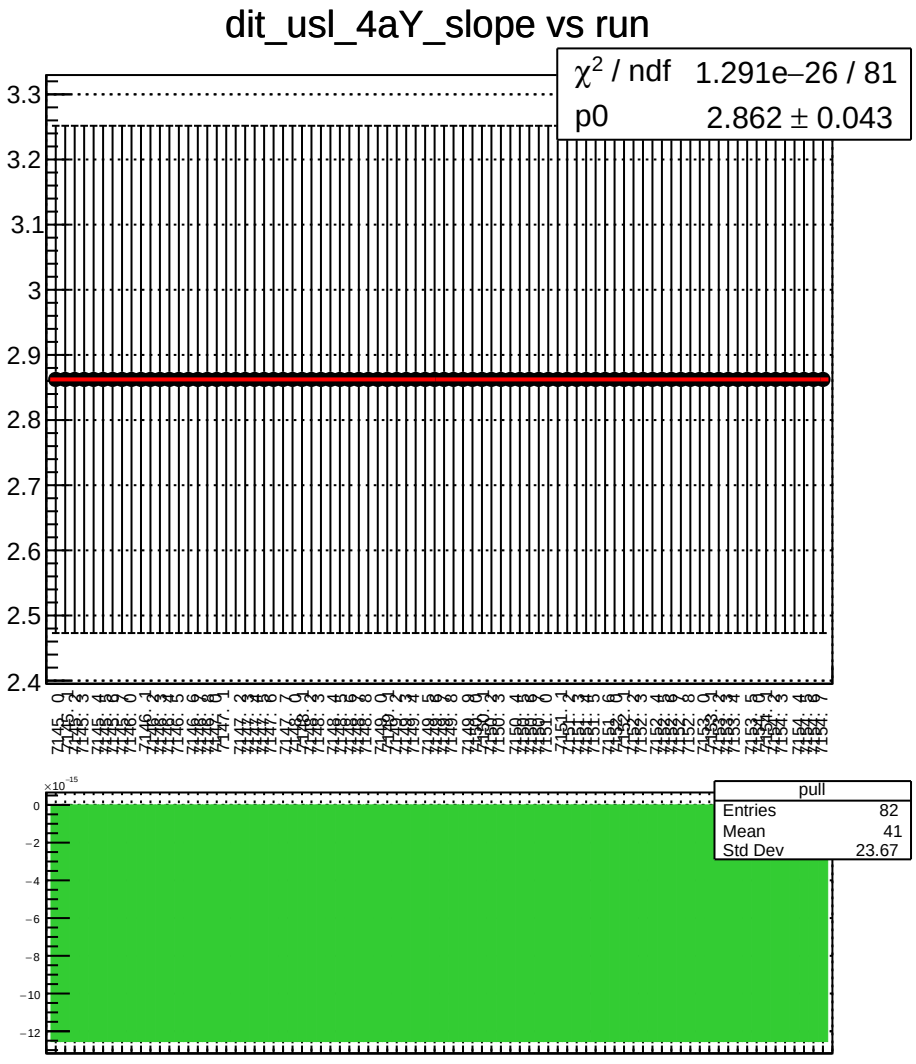

asym_sam_12345678_avg_rms vs run
χ² / ndf 3107 / 81
p0 446.1 ± 0.3571
500
480
460
440
420
400

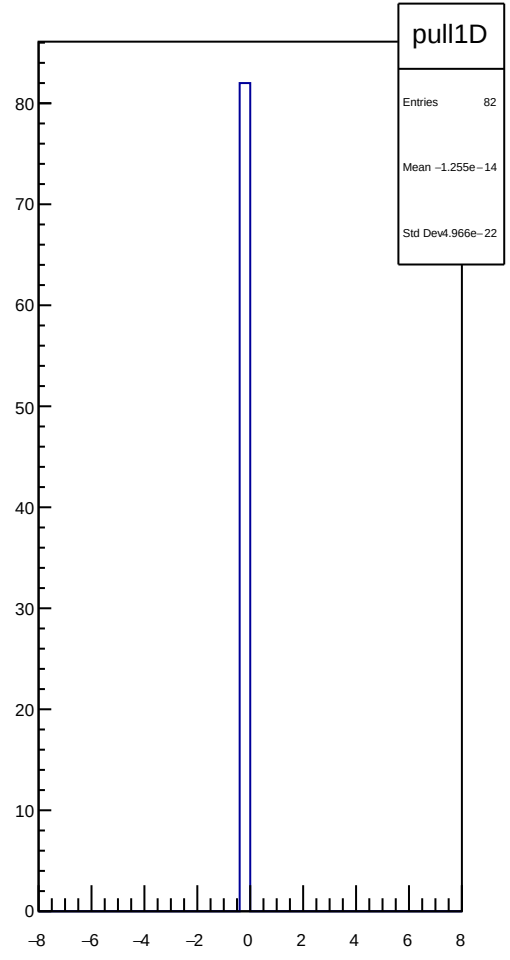

dit_usl_4aX_slope vs run
χ² / ndf 2.437e−25 / 81
p0 −98.13 ± 0.2303
−96
−97
−98
−99
−100
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
50
40
30
20
10
0

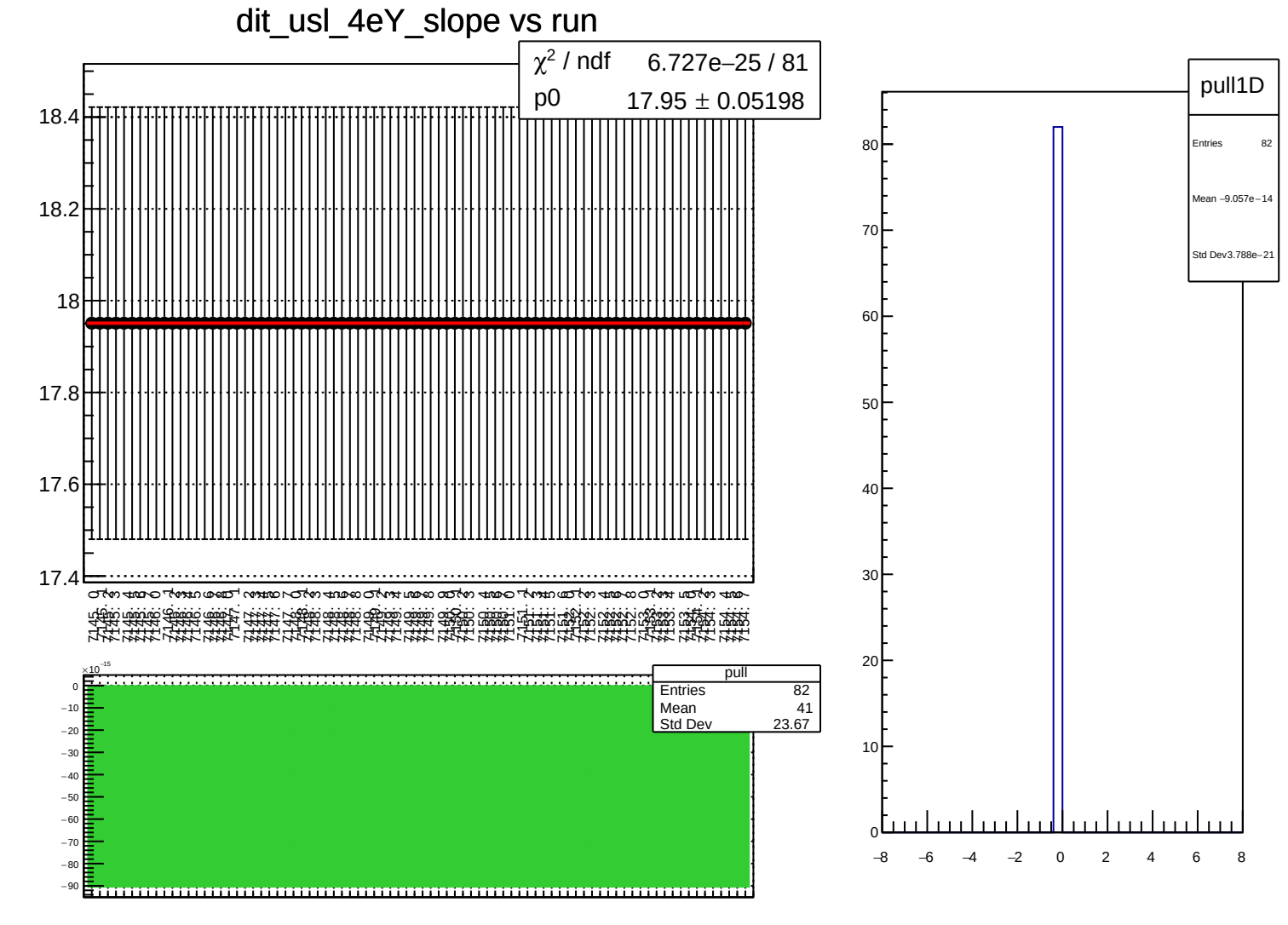

pull1D
Entries 82
Mean 5.452e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

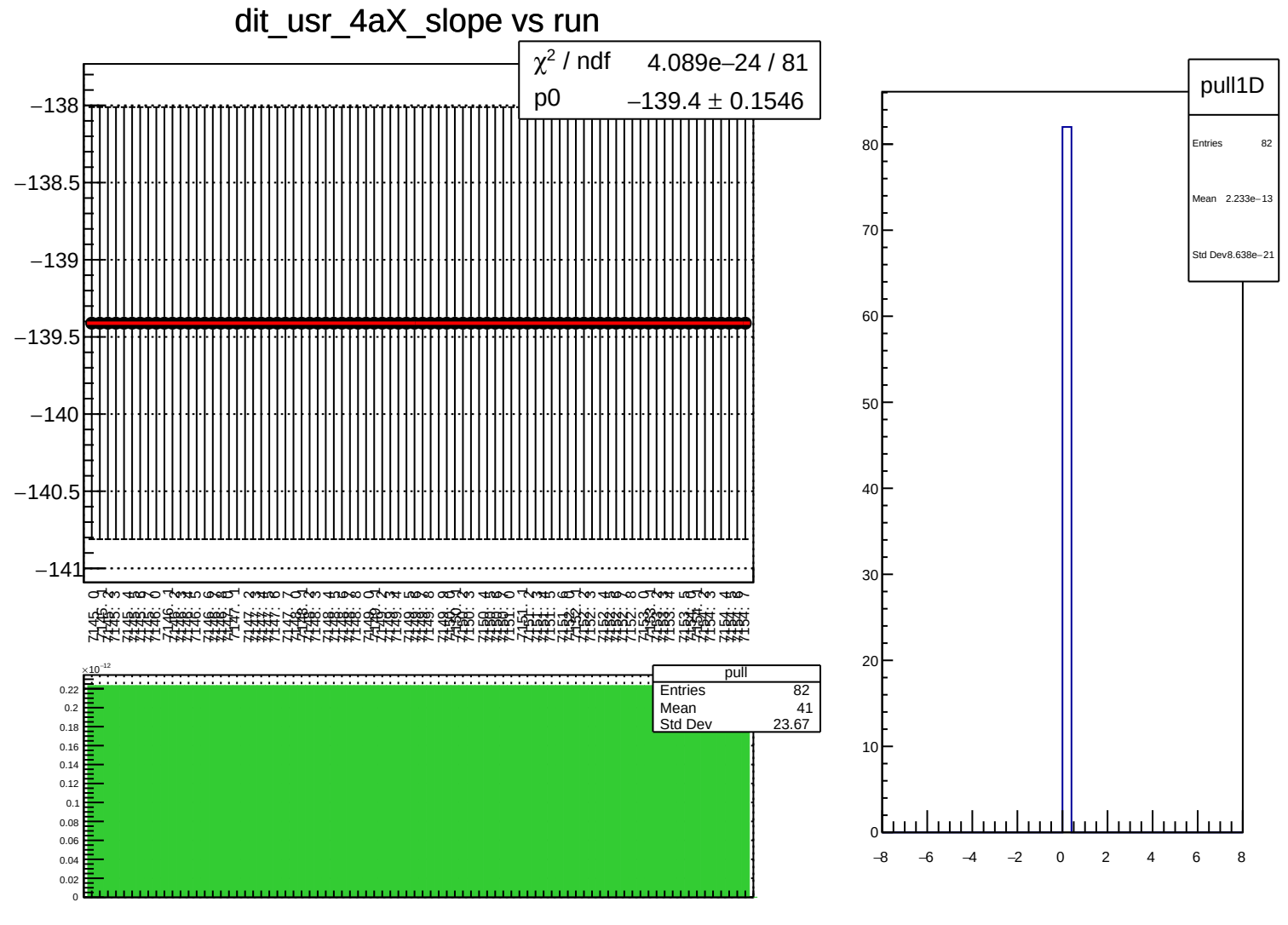

dit_usl_4eX_slope vs run
χ² / ndf 5.226e−27 / 81
p0 42.26 ± 0.1966
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.983e−15
Std Dev2.801e−22

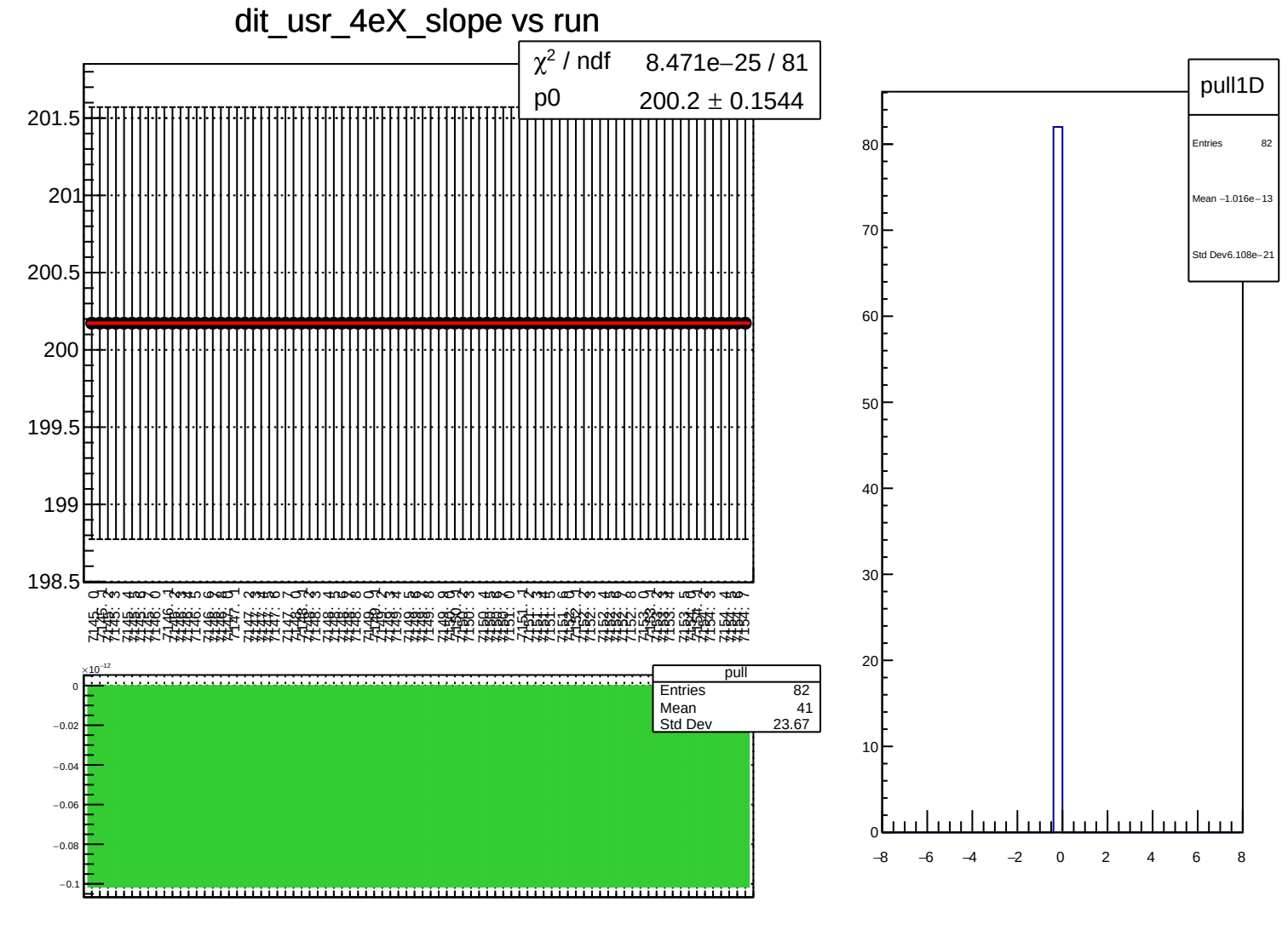

dit_usl_11X12X_slope vs run
χ² / ndf 4.716e−25 / 81
p0 −38.76 ± 0.03104
−38.5
−38.6
−38.7
−38.8
−38.9
−39
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 7.583e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

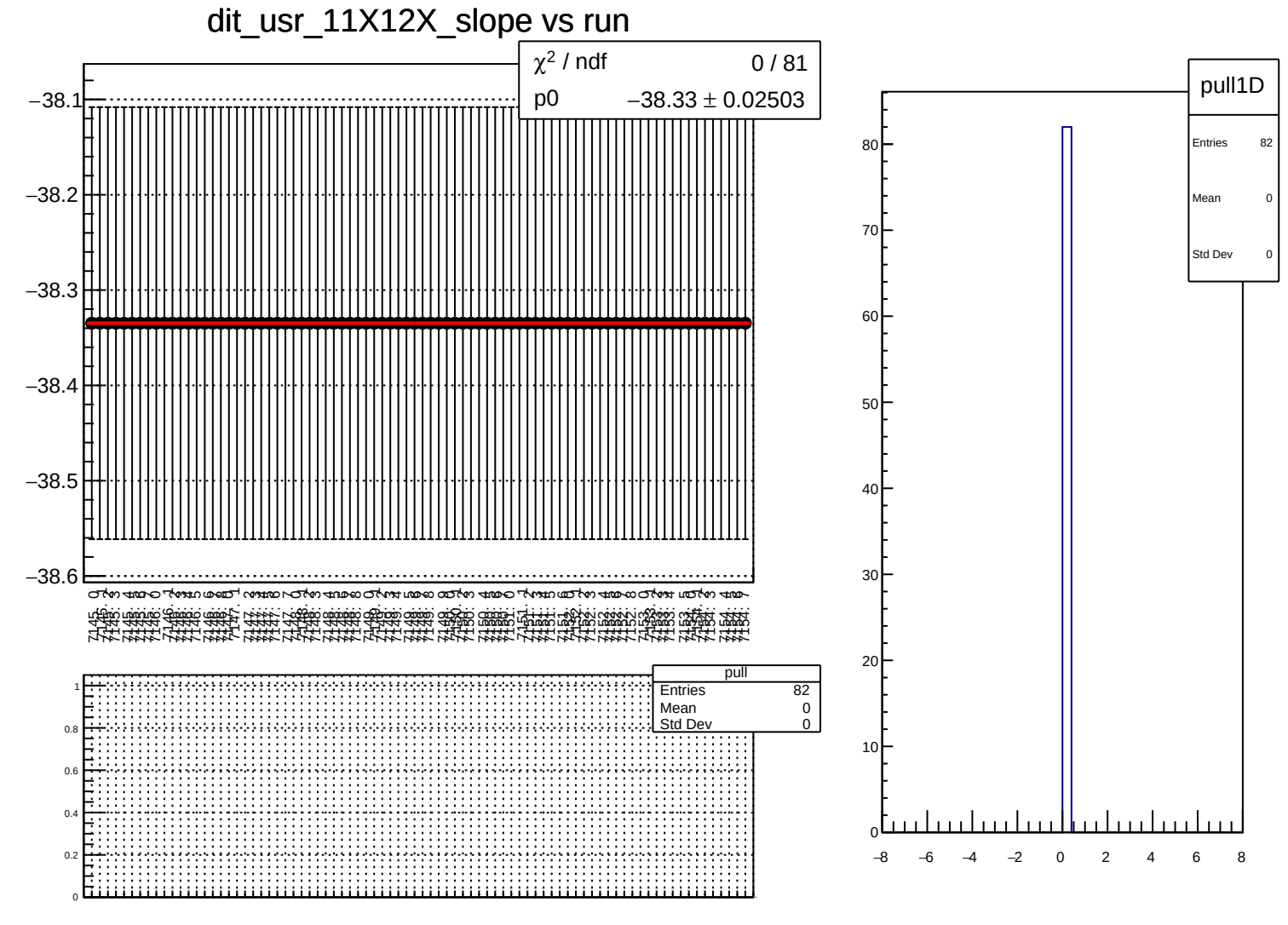

dit_usl_4aY_slope vs run
χ² / ndf 1.291e−26 / 81
p0 2.862 ± 0.043
pull
Entries 82
Mean 41
Std Dev 23.67

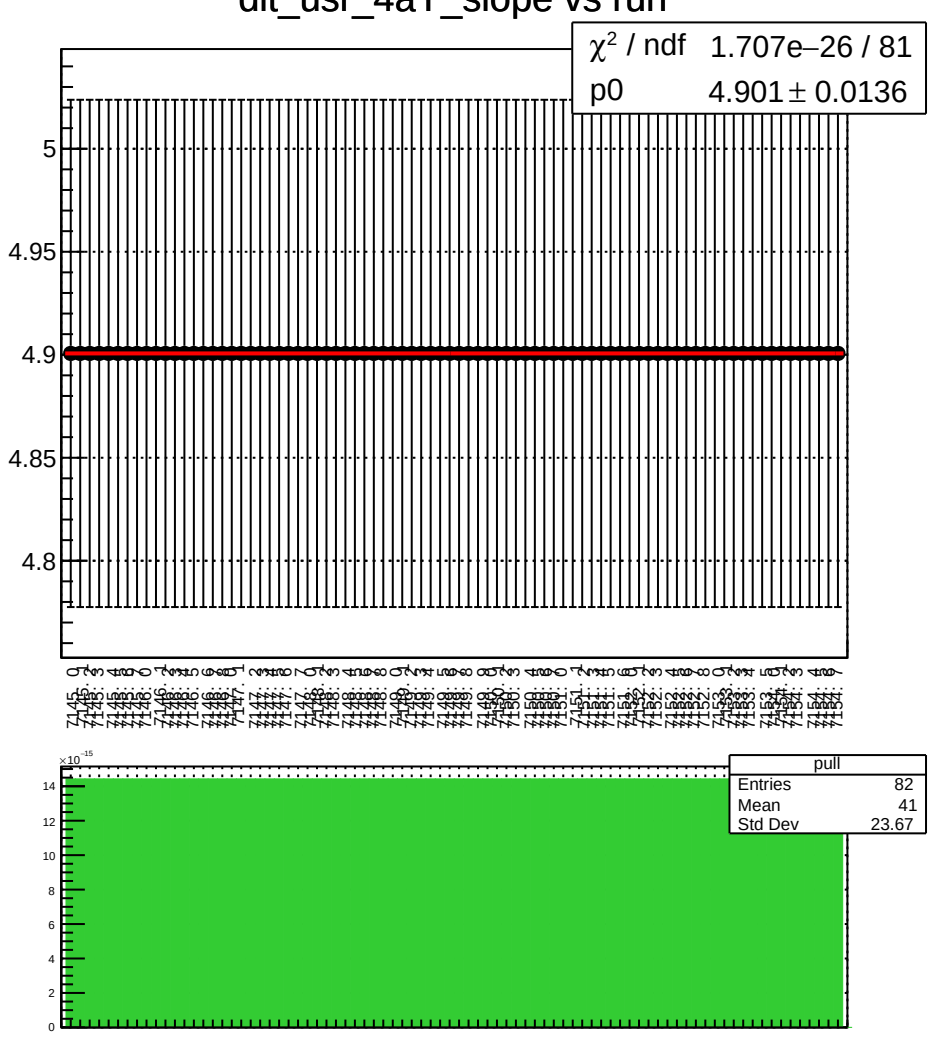

pull1D
Entries 82
Mean −1.255e−14
Std Dev 4.966e−22

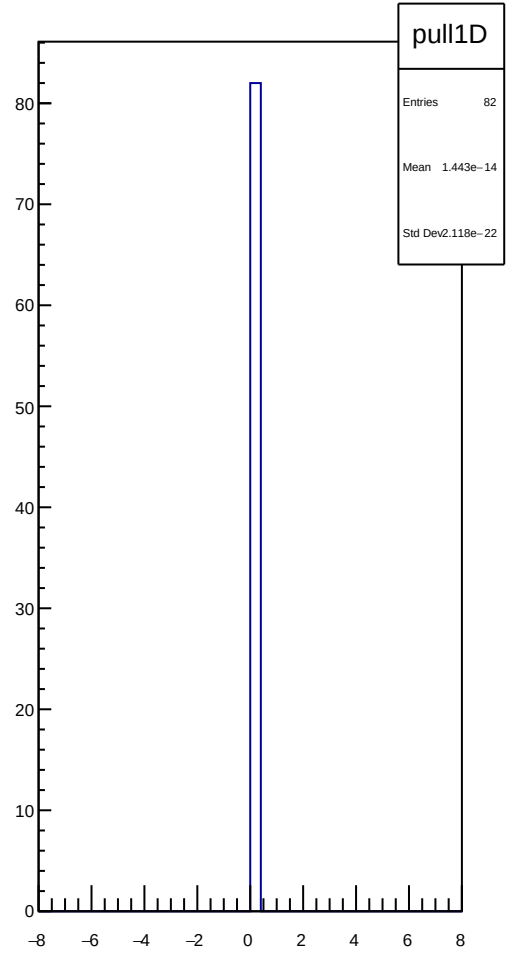

dit_usl_4eY_slope vs run
χ² / ndf 6.727e−25 / 81
p0 17.95 ± 0.05198
18.4
18.2
18
17.8
17.6
17.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 82
Mean −9.057e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

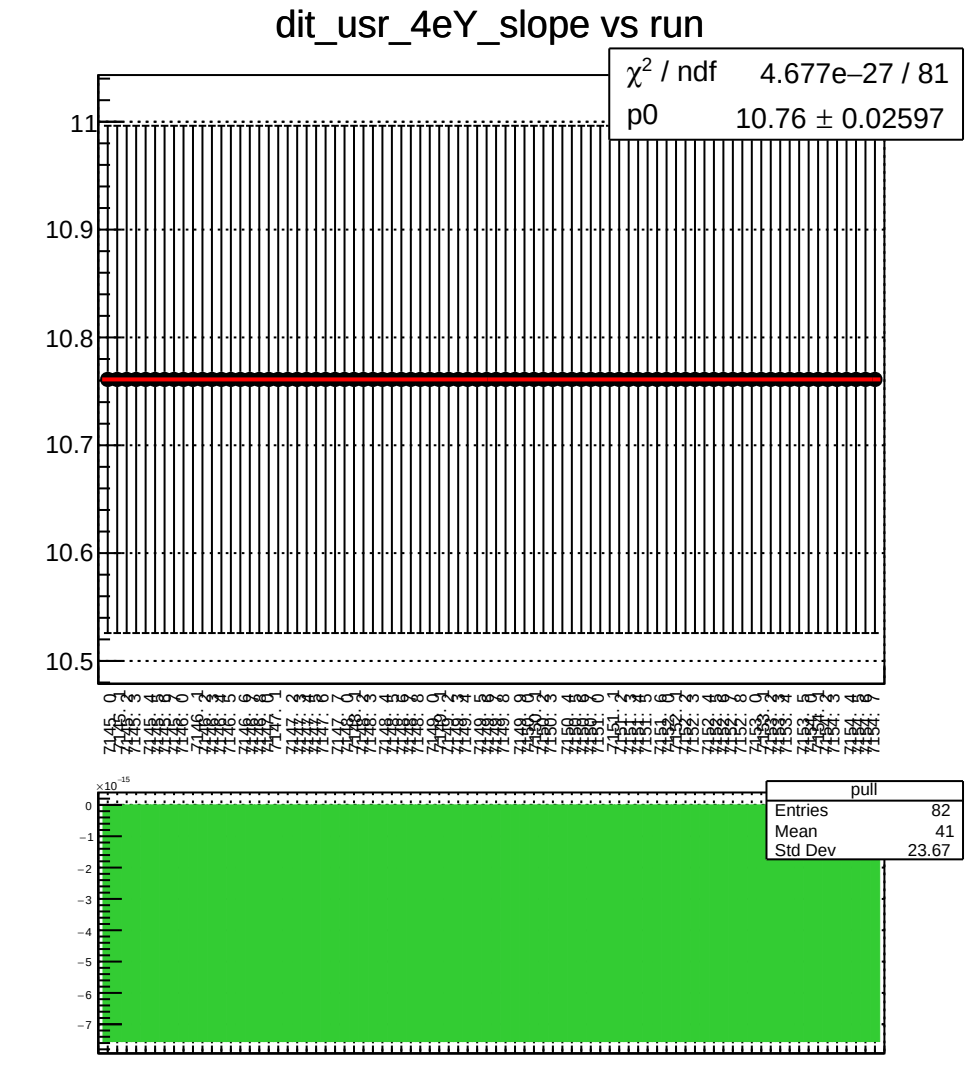

dit_usr_4aX_slope vs run
χ² / ndf 4.089e−24 / 81
p0 −139.4 ± 0.1546
−138
−138.5
−139
−139.5
−140
−140.5
−141
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 2.233e−13
Std Dev8.638e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

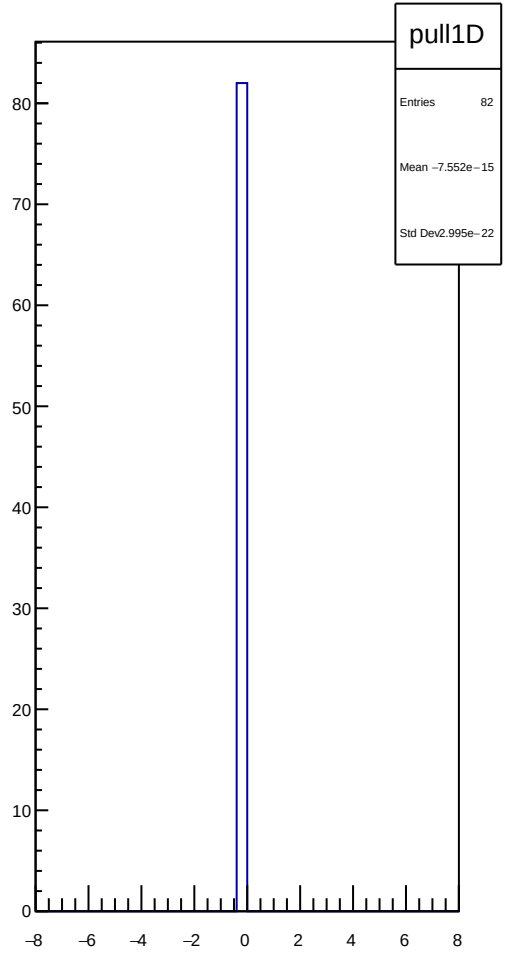

dit_usr_4eX_slope vs run
χ² / ndf 8.471e−25 / 81
p0 200.2 ± 0.1544
201.5
201
200.5
200
199.5
199
198.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 82
Mean −1.016e−13
Std Dev6.108e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

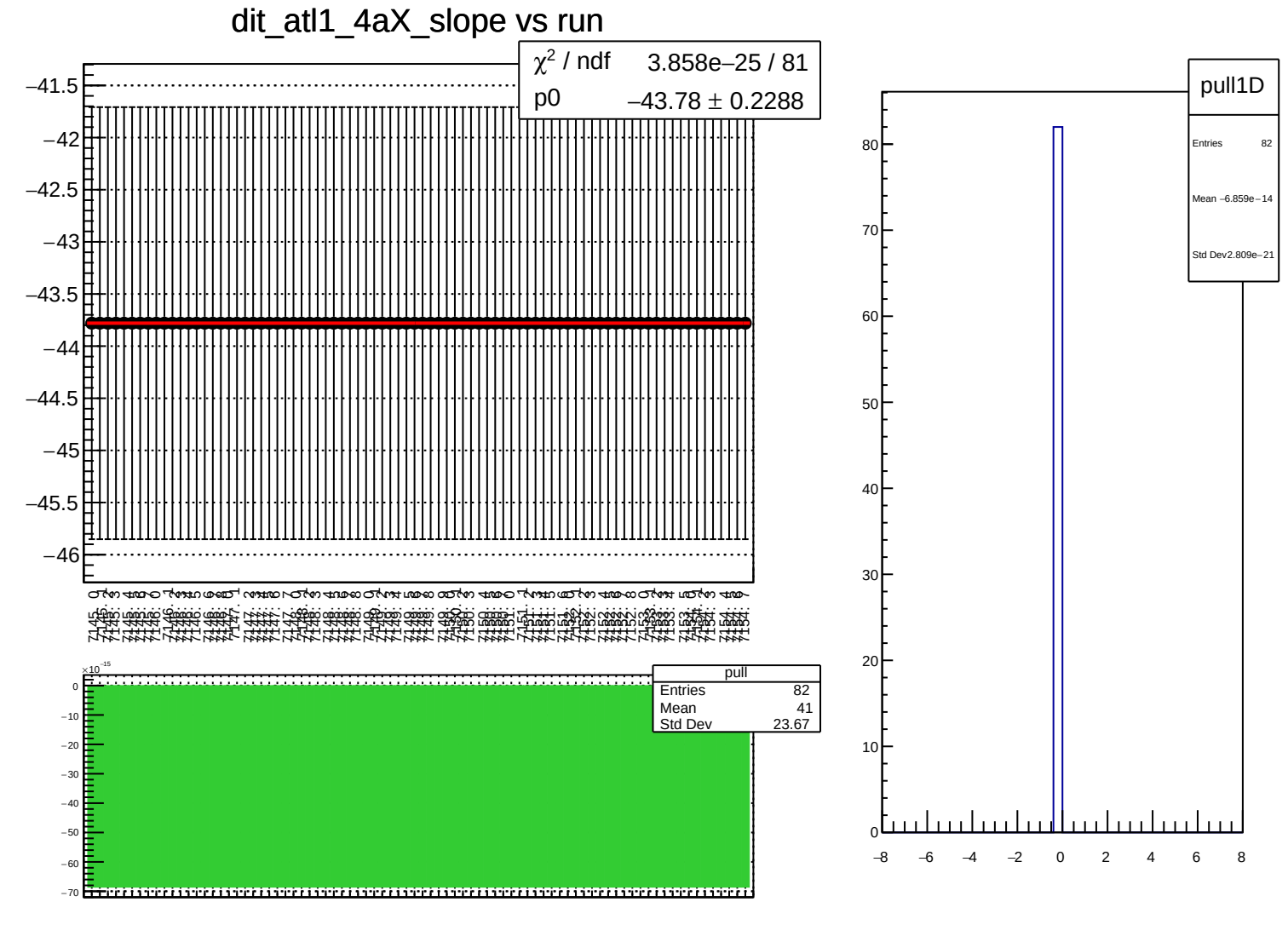

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 81
p0 −38.33 ± 0.02503
−38.1
−38.2
−38.3
−38.4
−38.5
−38.6
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

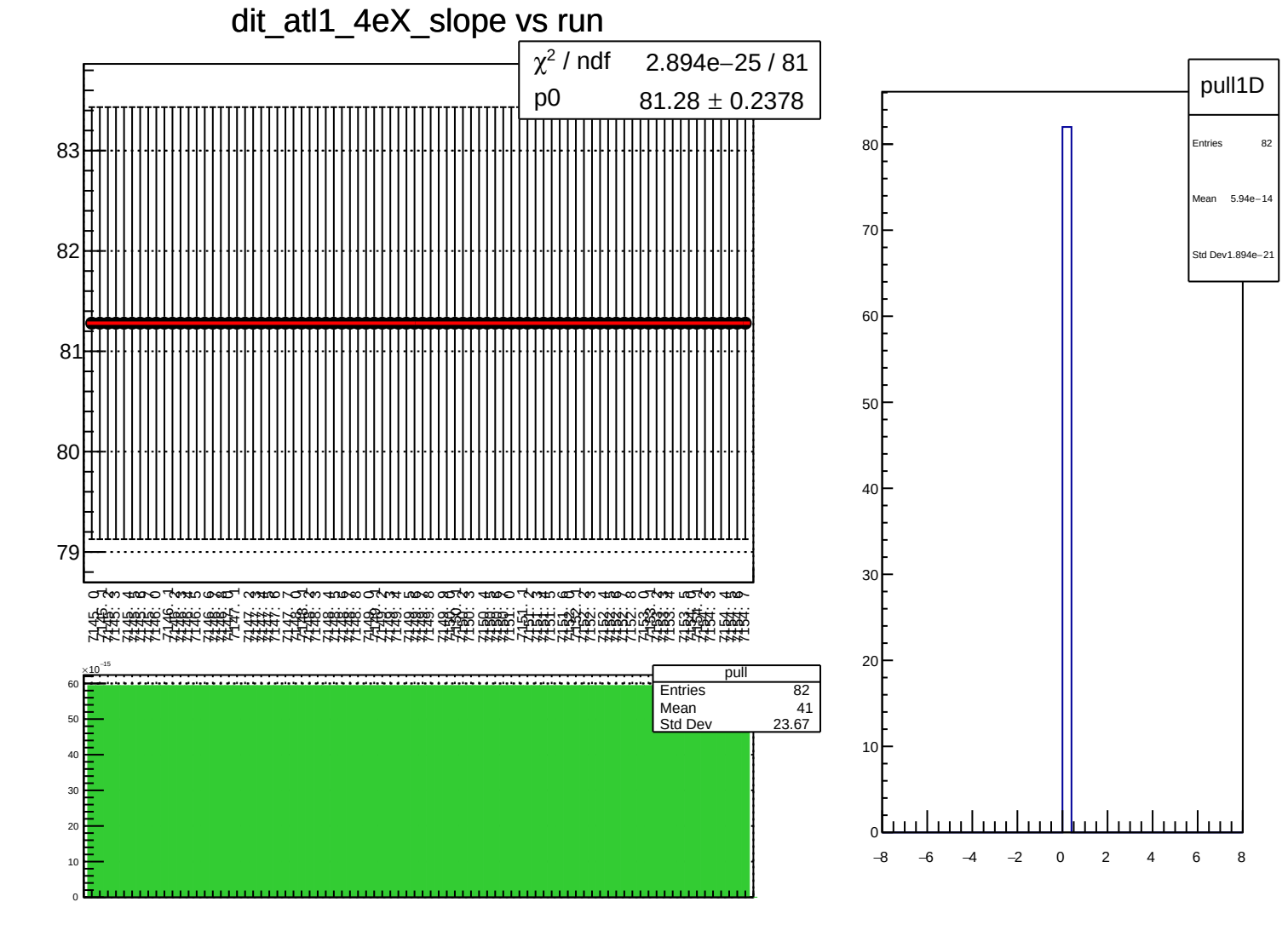

dit_usr_4aY_slope vs run
χ² / ndf 1.707e−26 / 81
p0 4.901 ± 0.0136
5
4.95
4.9
4.85
4.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
14
12
10
8
6
4
2
0

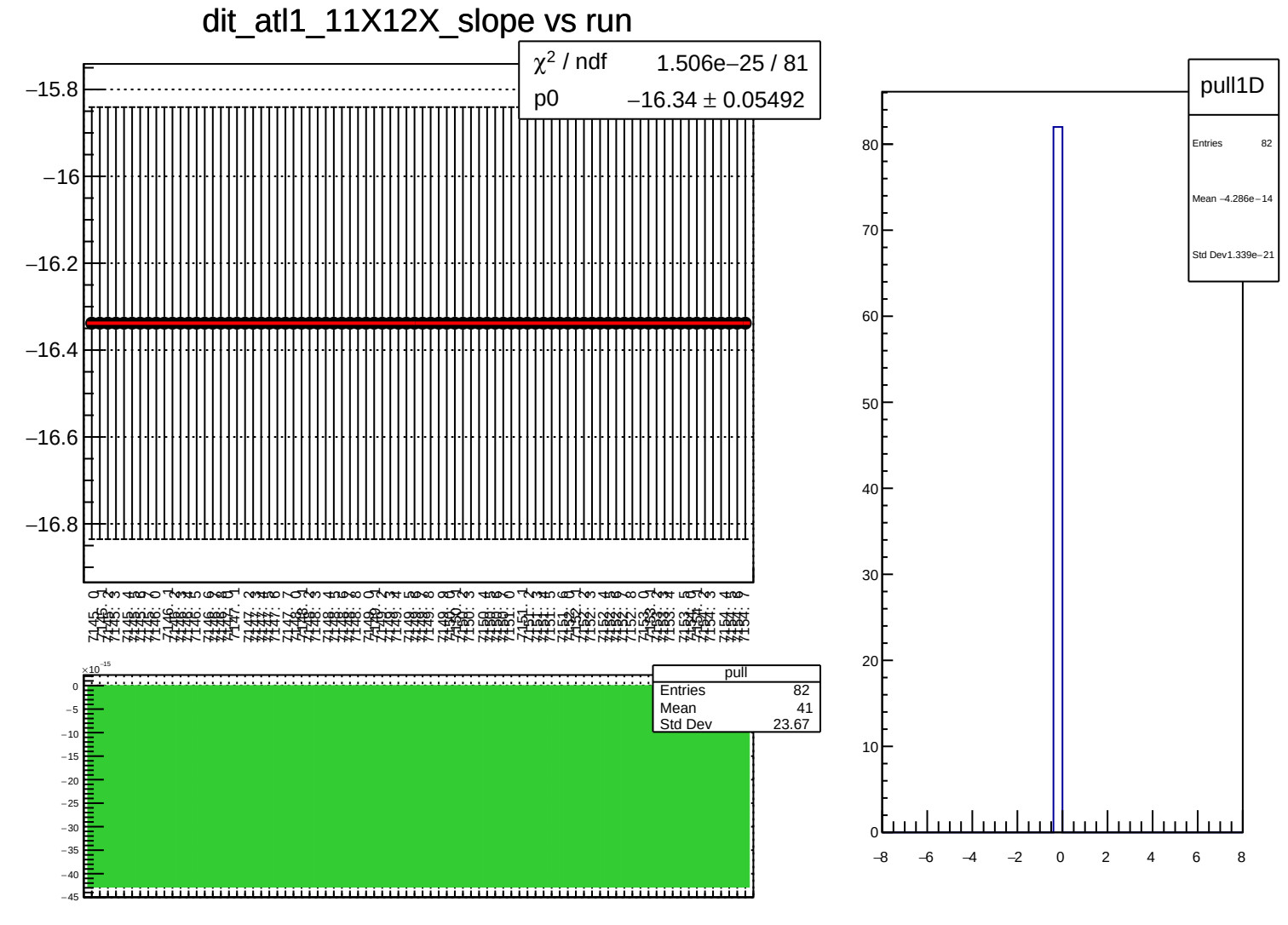

pull1D
Entries 82
Mean 1.443e−14
Std Dev2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

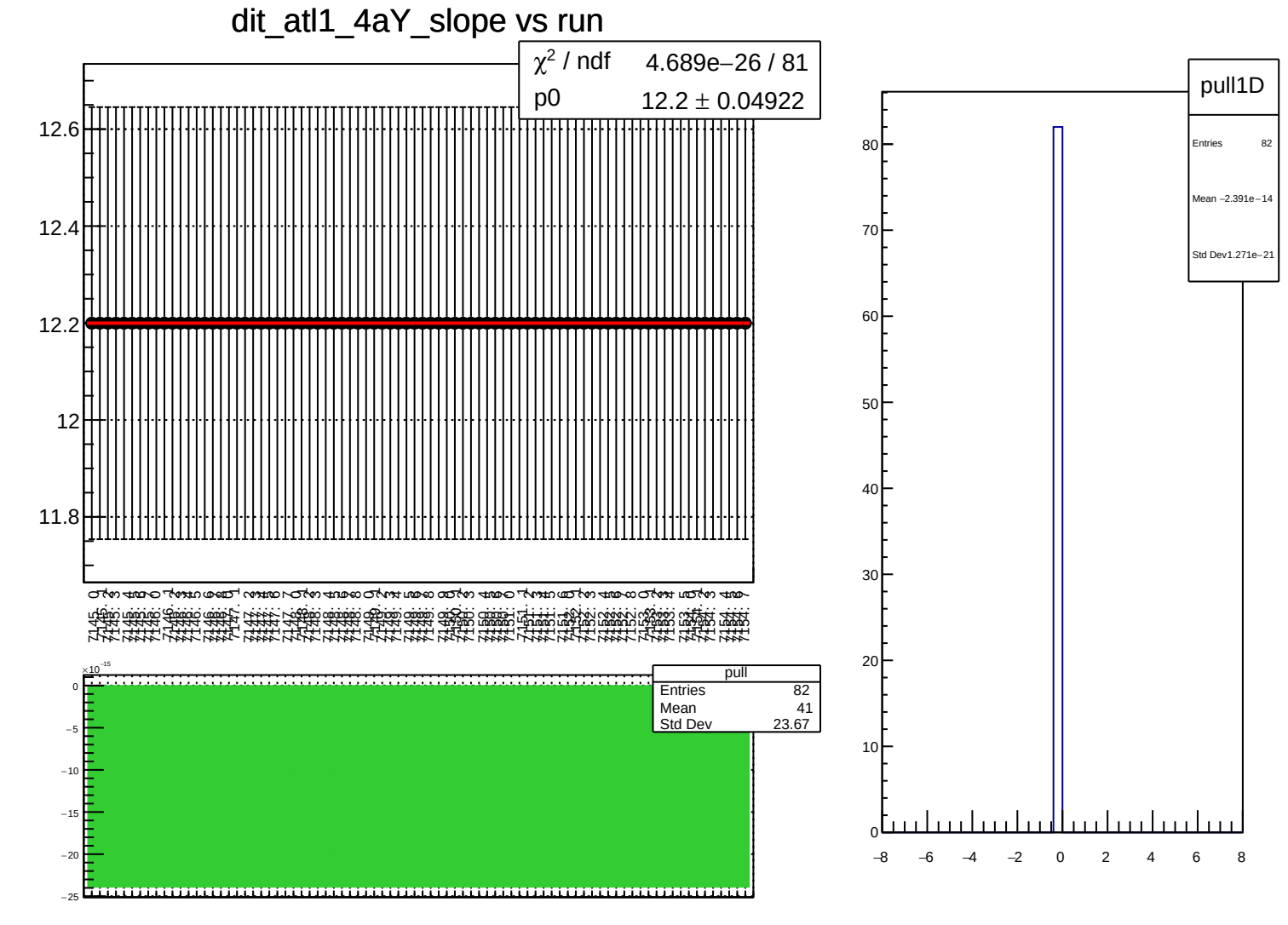

dit_usr_4eY_slope vs run
χ² / ndf 4.677e−27 / 81
p0 10.76 ± 0.02597
11
10.9
10.8
10.7
10.6
10.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

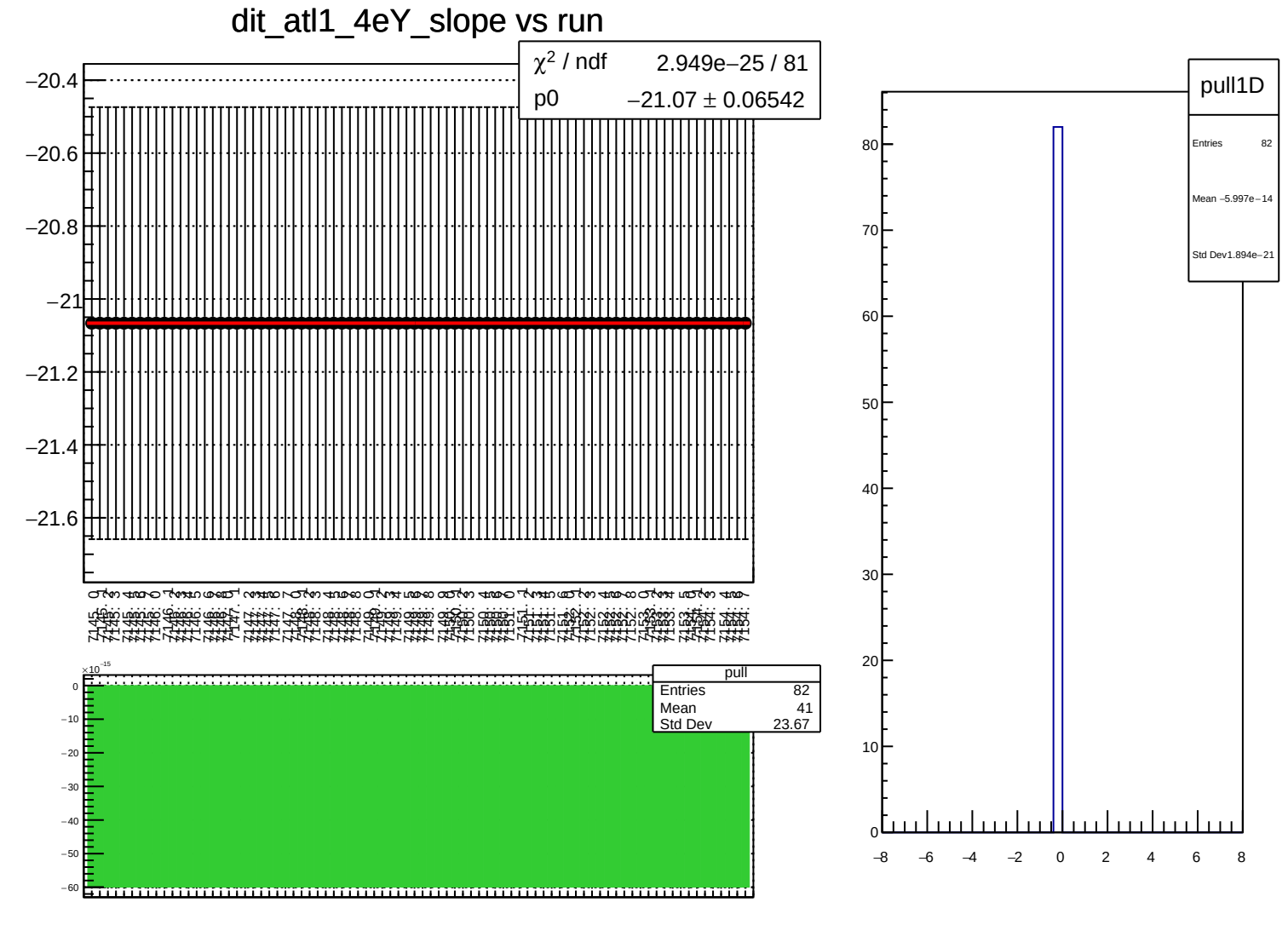

pull1D
Entries 82
Mean −7.552e−15
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

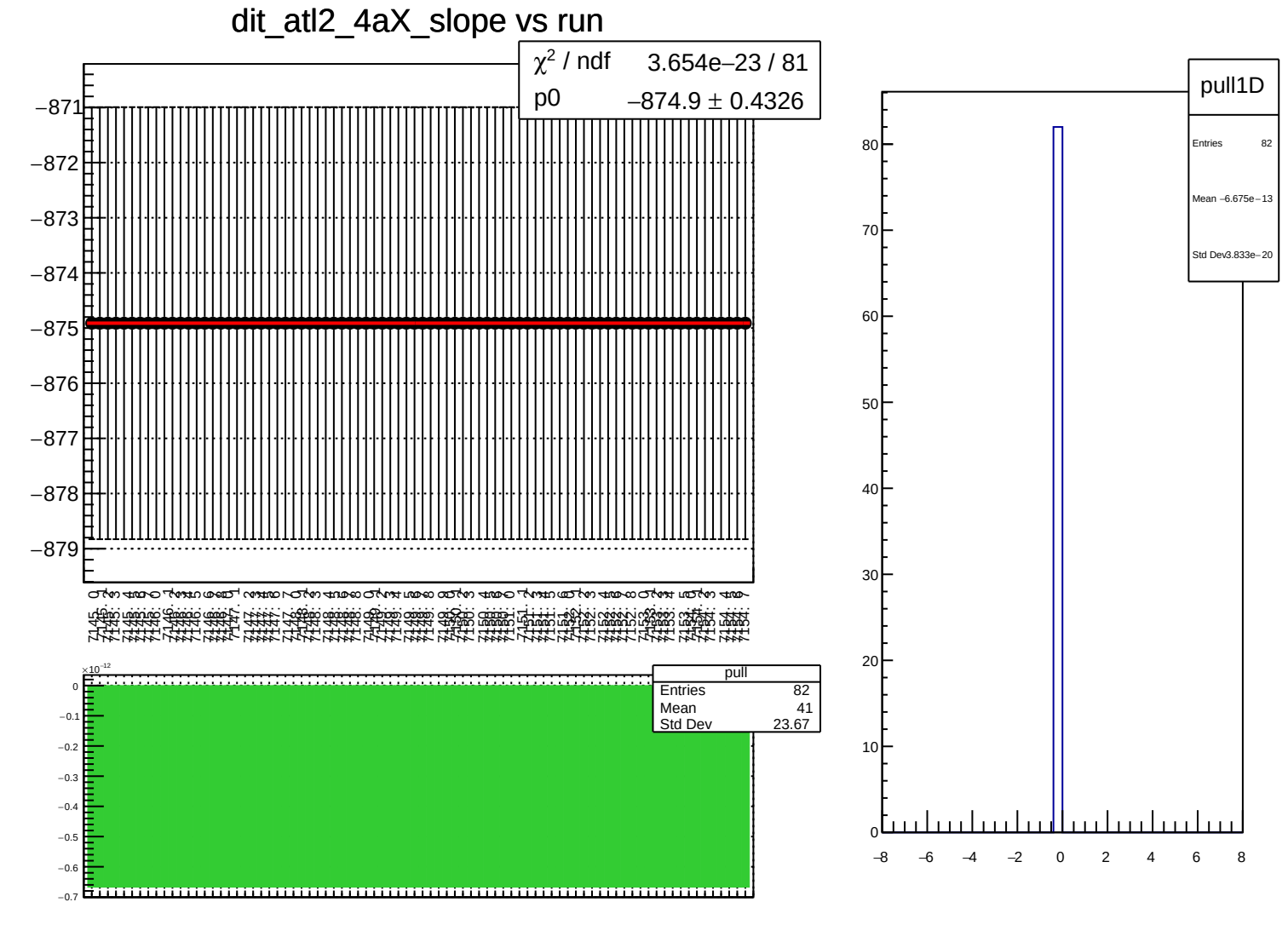

dit_atl1_4aX_slope vs run
χ² / ndf 3.858e−25 / 81
p0 −43.78 ± 0.2288
−41.5
−42
−42.5
−43
−43.5
−44
−44.5
−45
−45.5
−46
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 82
Mean −6.859e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

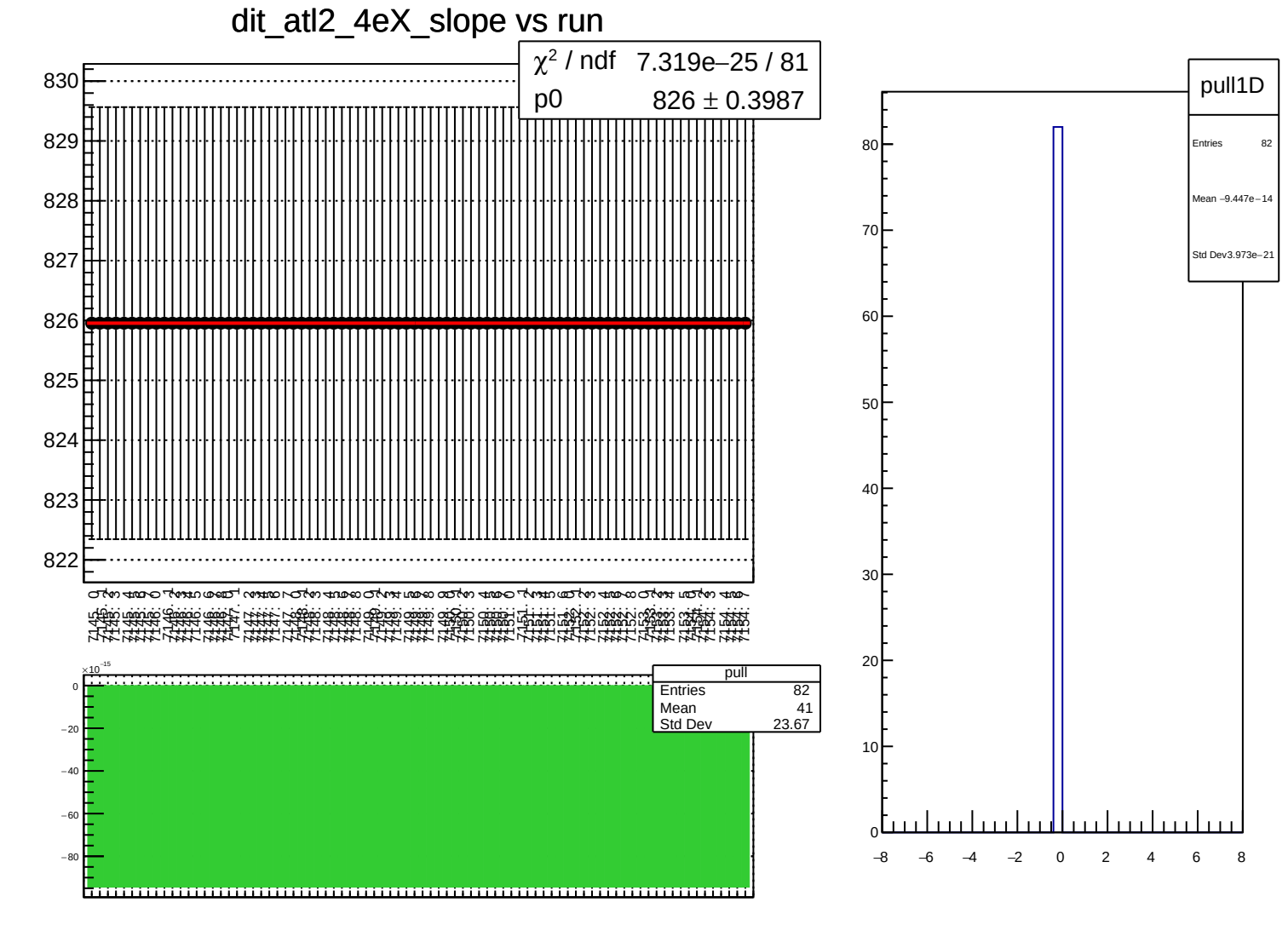

dit_atl1_4eX_slope vs run
χ² / ndf 2.894e−25 / 81
p0 81.28 ± 0.2378
83
82
81
80
79
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 82
Mean 5.94e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

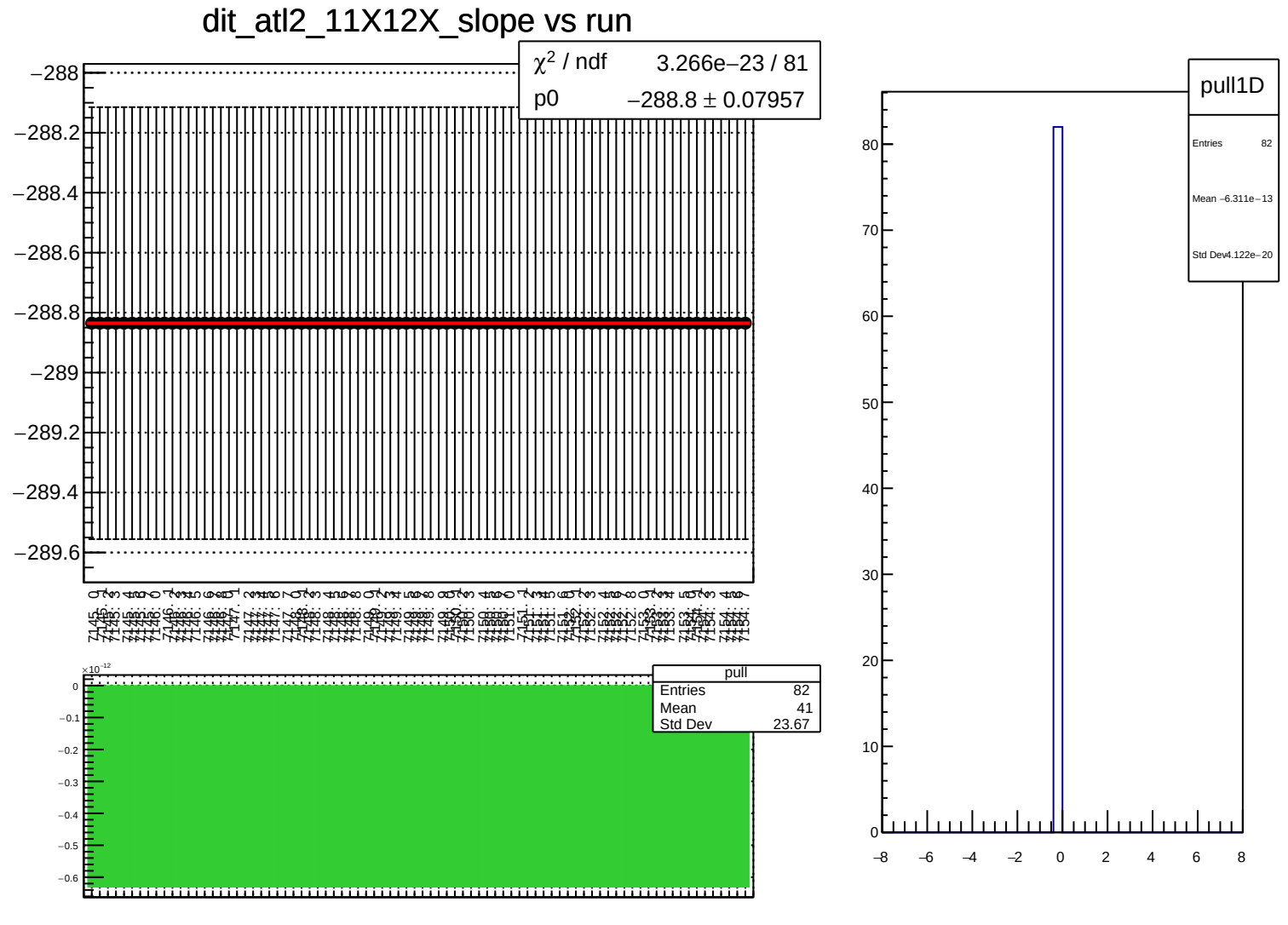

dit_atl1_11X12X_slope vs run
χ² / ndf 1.506e−25 / 81
p0 −16.34 ± 0.05492
−15.8
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −4.286e−14
Std Dev1.339e−21

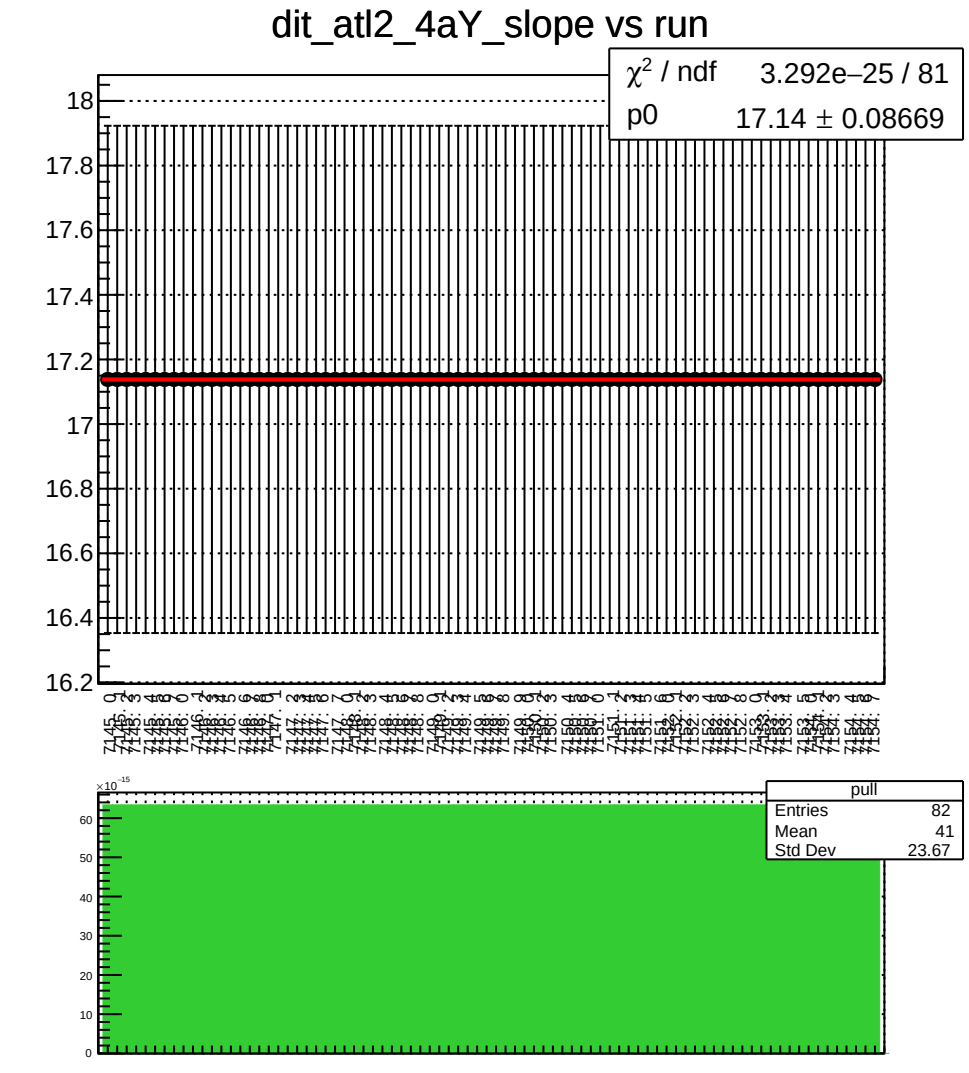

dit_atl1_4aY_slope vs run
χ² / ndf 4.689e−26 / 81
p0 12.2 ± 0.04922
12.6
12.4
12.2
12
11.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 82
Mean −2.391e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

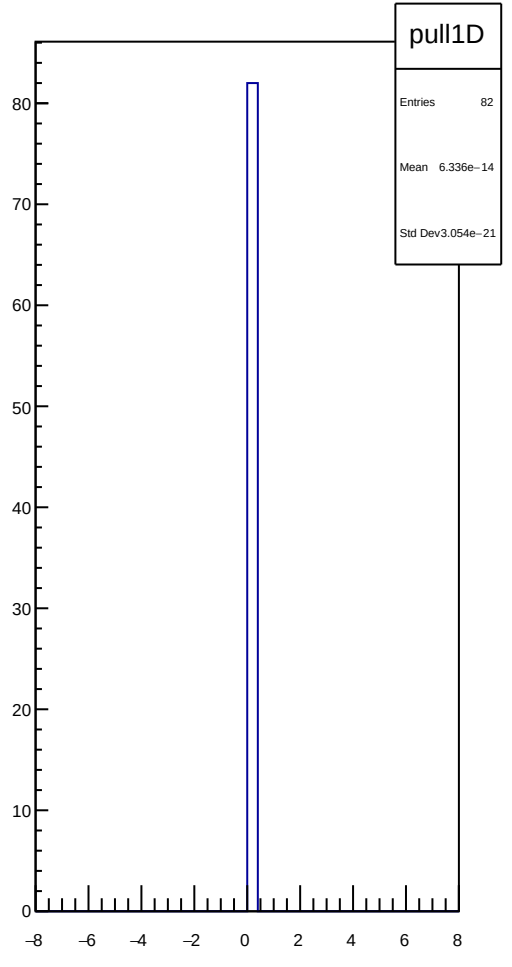

dit_atl1_4eY_slope vs run
χ² / ndf 2.949e−25 / 81
p0 −21.07 ± 0.06542
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 82
Mean −5.997e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

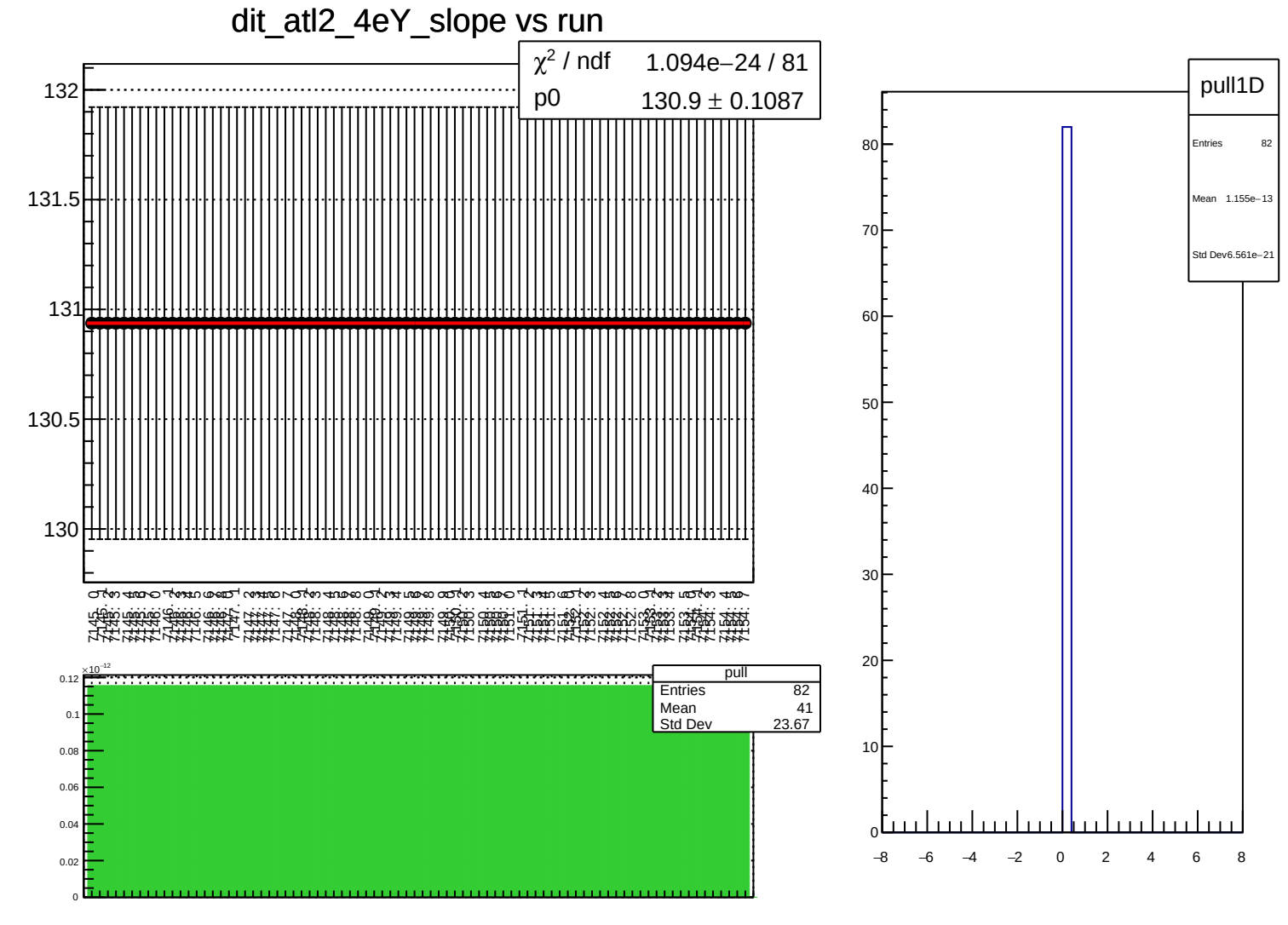

dit_atl2_4aX_slope vs run
χ² / ndf 3.654e−23 / 81
p0 −874.9 ± 0.4326
−871
−872
−873
−874
−875
−876
−877
−878
−879
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 82
Mean −6.675e−13
Std Dev3.833e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

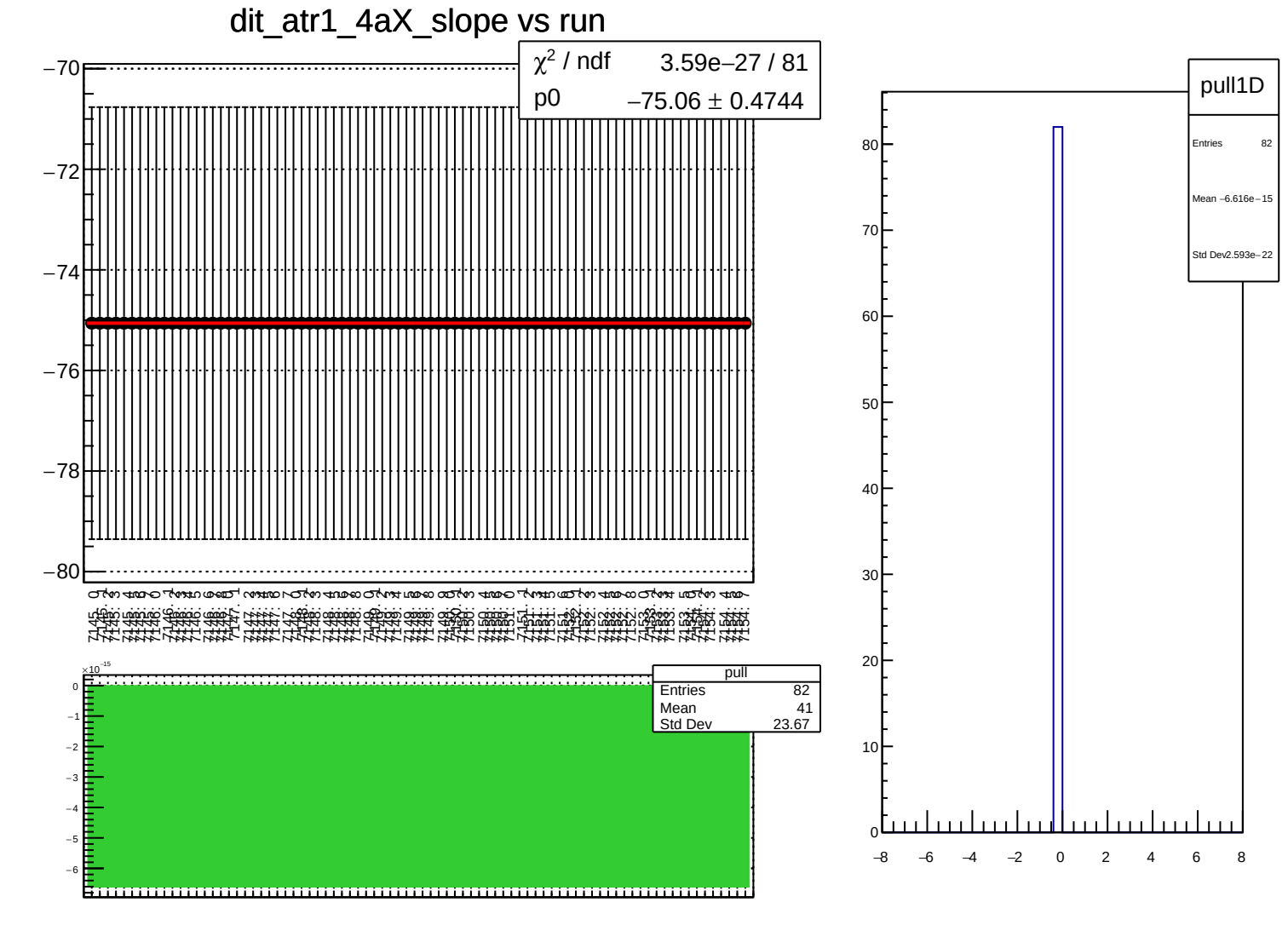

dit_atl2_4eX_slope vs run
χ^2 / ndf 7.319e−25 / 81
p0 826 ± 0.3987
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.447e−14
Std Dev3.973e−21

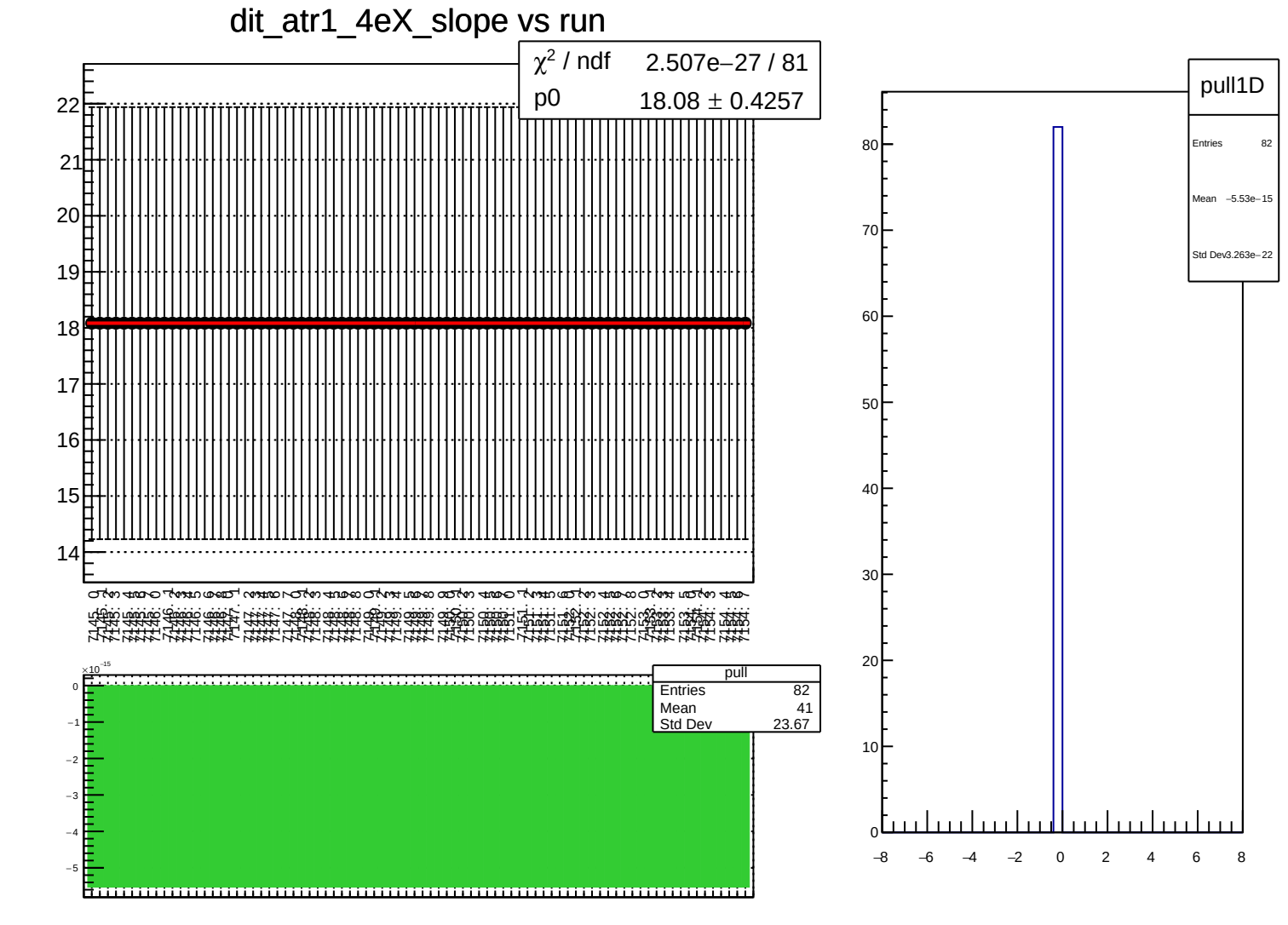

dit_atl2_11X12X_slope vs run
χ² / ndf 3.266e−23 / 81
p0 −288.8 ± 0.07957
−288
−288.2
−288.4
−288.6
−288.8
−289
−289.2
−289.4
−289.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 82
Mean −6.311e−13
Std Dev4.122e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

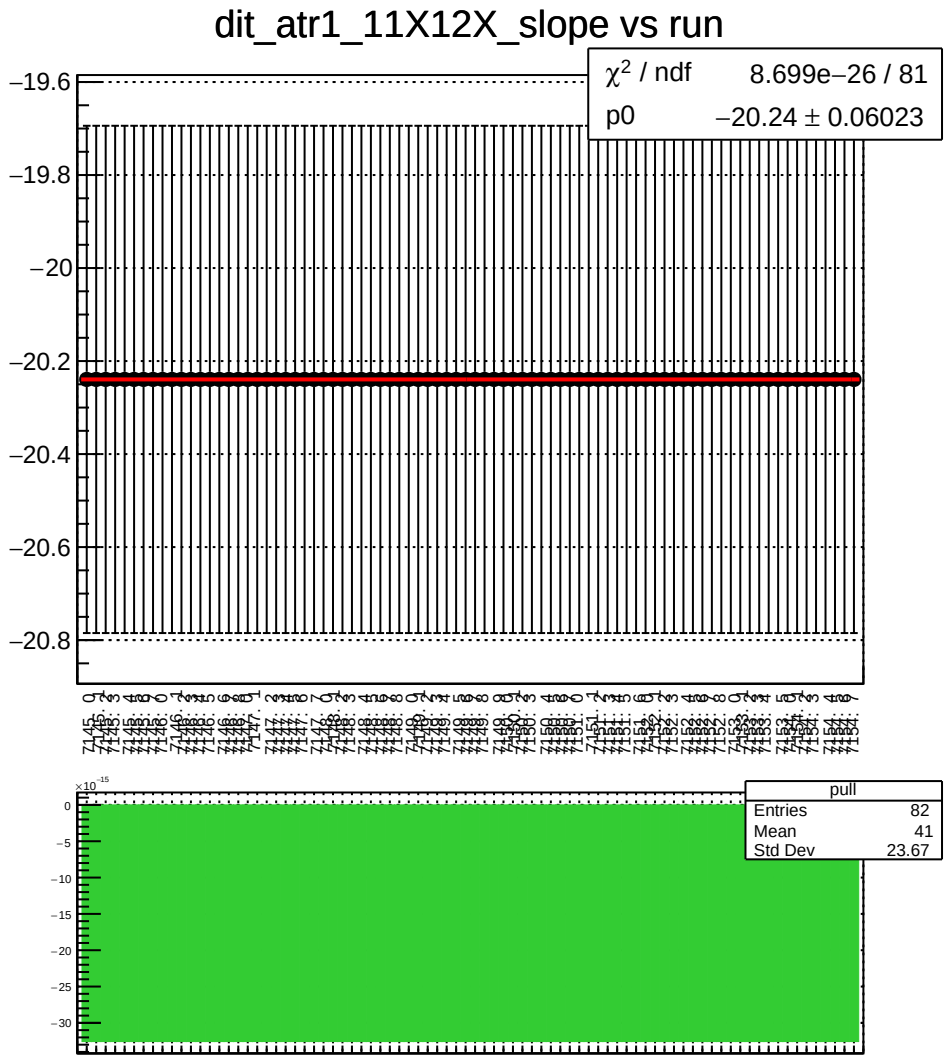

dit_atl2_4aY_slope vs run
χ² / ndf 3.292e−25 / 81
p0 17.14 ± 0.08669
18
17.8
17.6
17.4
17.2
17
16.8
16.6
16.4
16.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
60
50
40
30
20
10
0

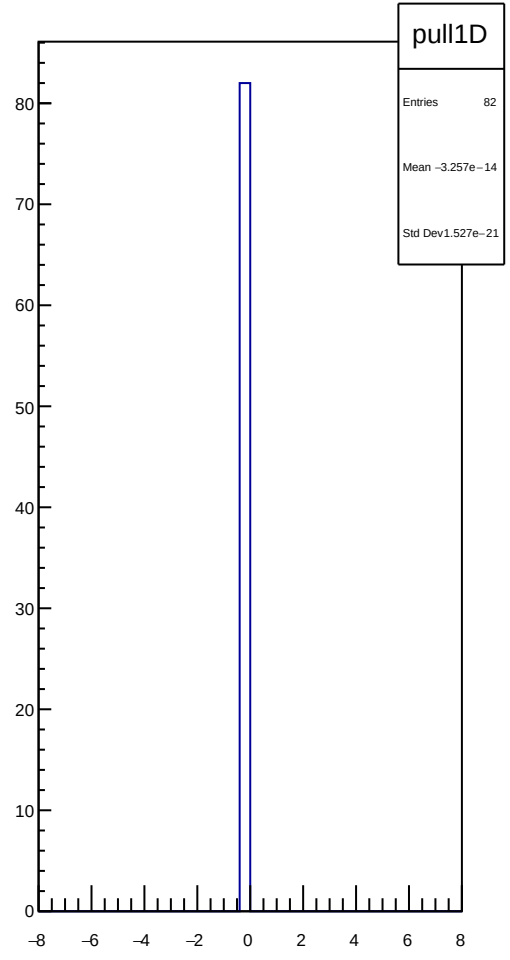

pull1D
Entries 82
Mean 6.336e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

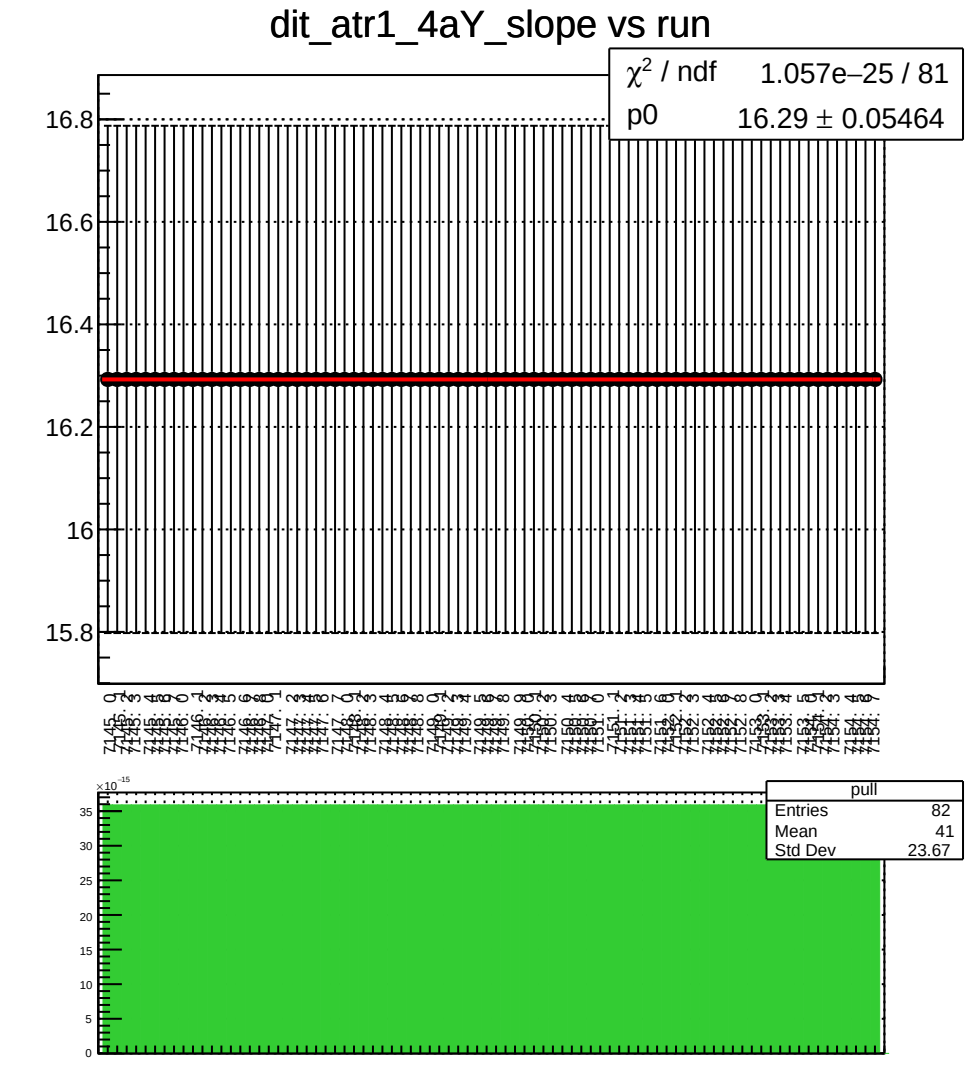

dit_atl2_4eY_slope vs run
χ² / ndf 1.094e−24 / 81
p0 130.9 ± 0.1087
132
131.5
131
130.5
130
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 1.155e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

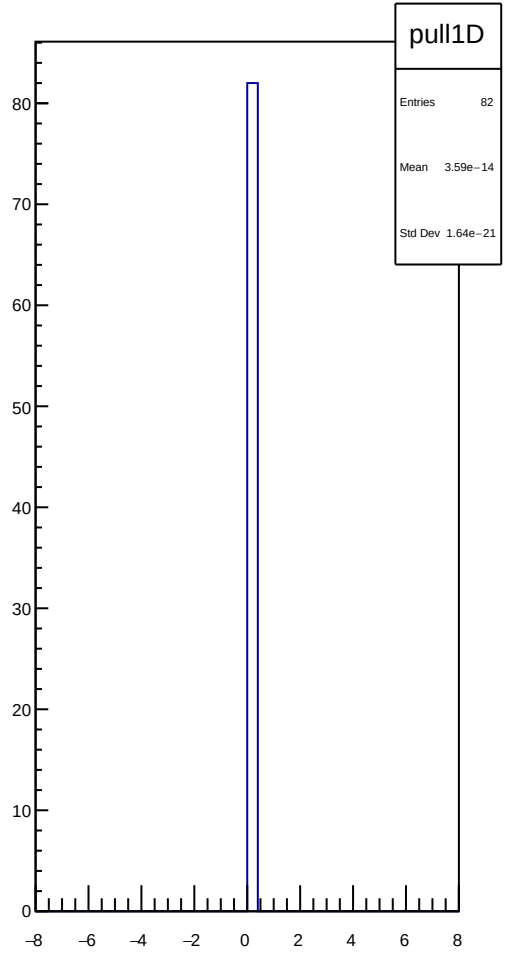

dit_atr1_4aX_slope vs run
χ² / ndf 3.59e−27 / 81
p0 −75.06 ± 0.4744
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.616e−15
Std Dev 2.593e−22

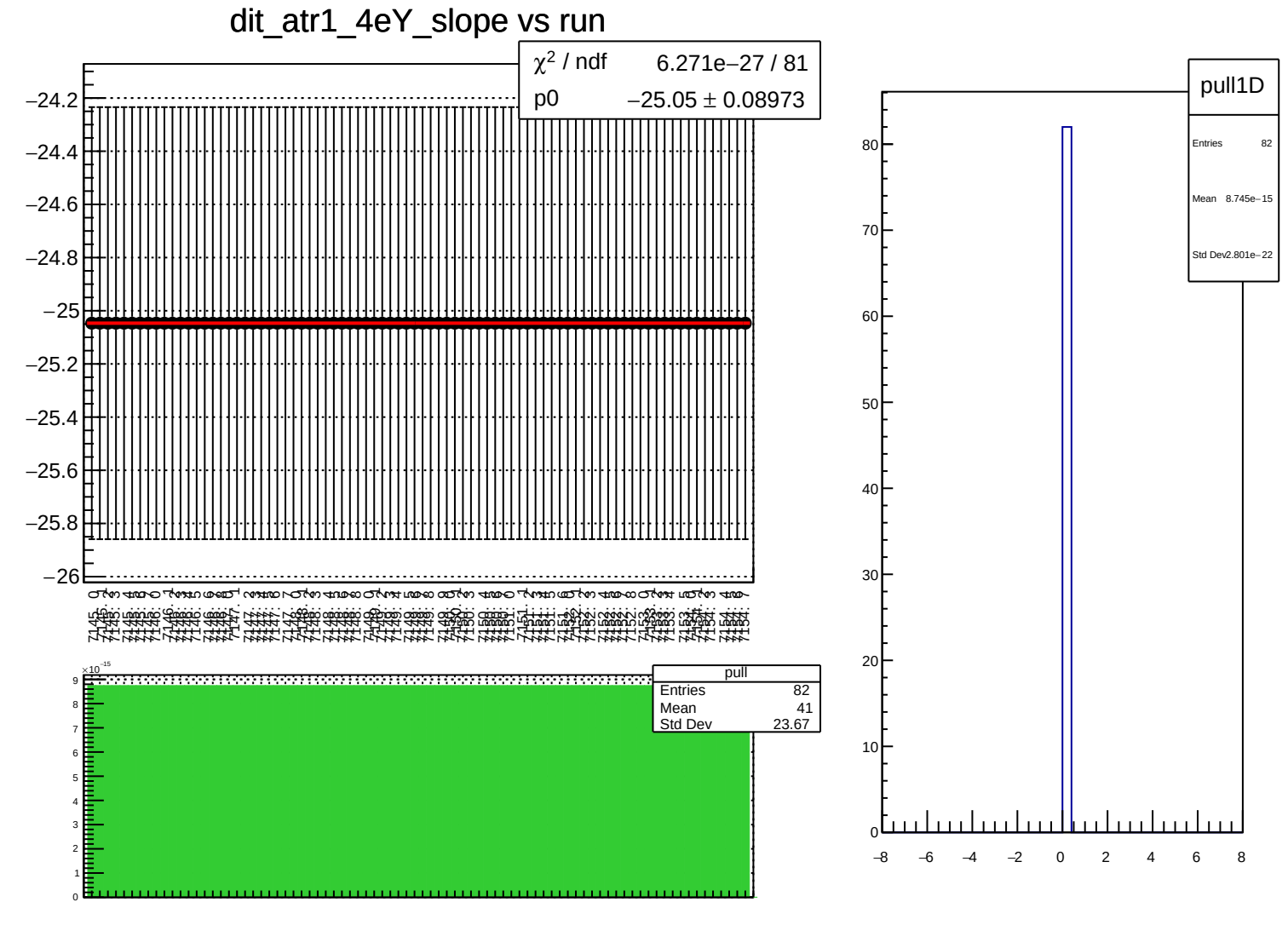

dit_atr1_4eX_slope vs run
χ² / ndf 2.507e−27 / 81
p0 18.08 ± 0.4257
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −5.53e−15
Std Dev 3.263e−22

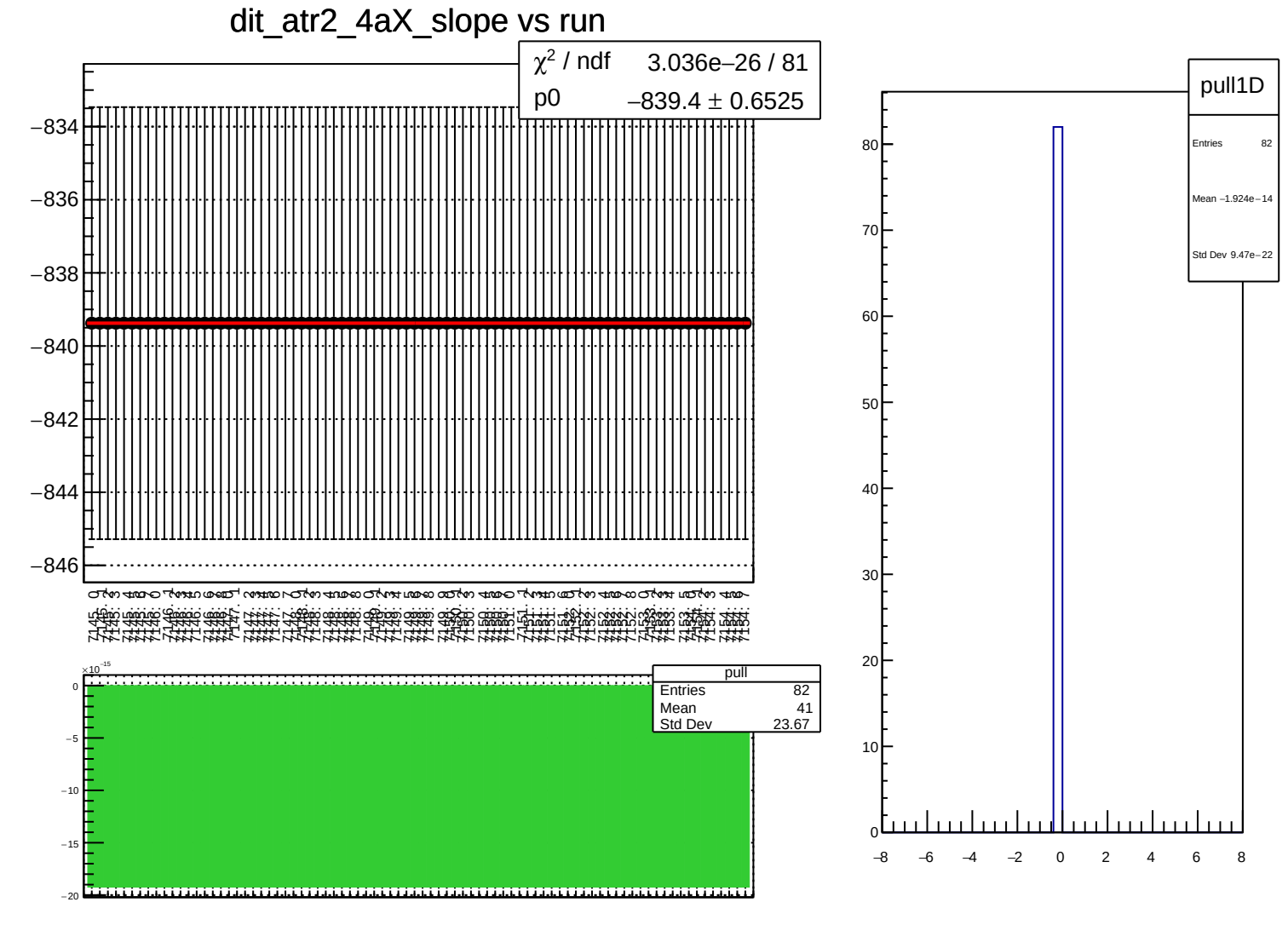

dit_atr1_11X12X_slope vs run
χ² / ndf 8.699e−26 / 81
p0 −20.24 ± 0.06023
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

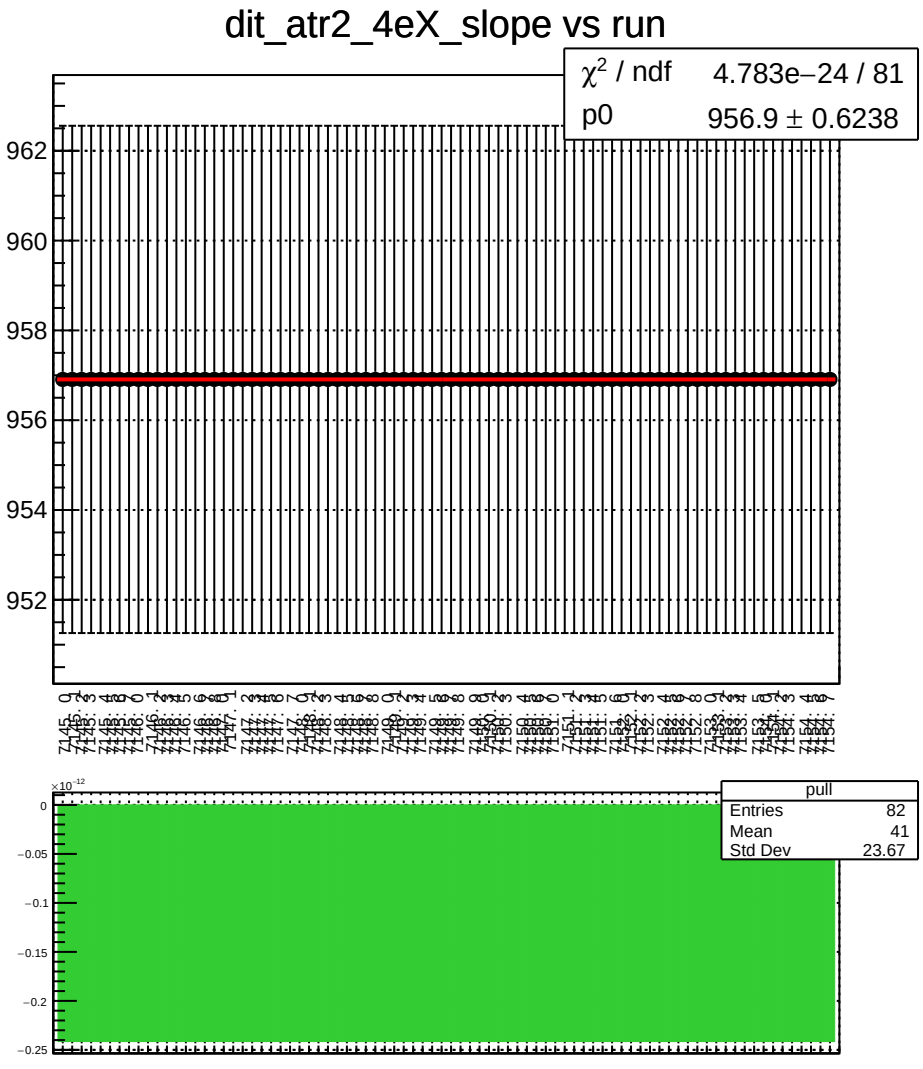

pull1D
Entries 82
Mean −3.257e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

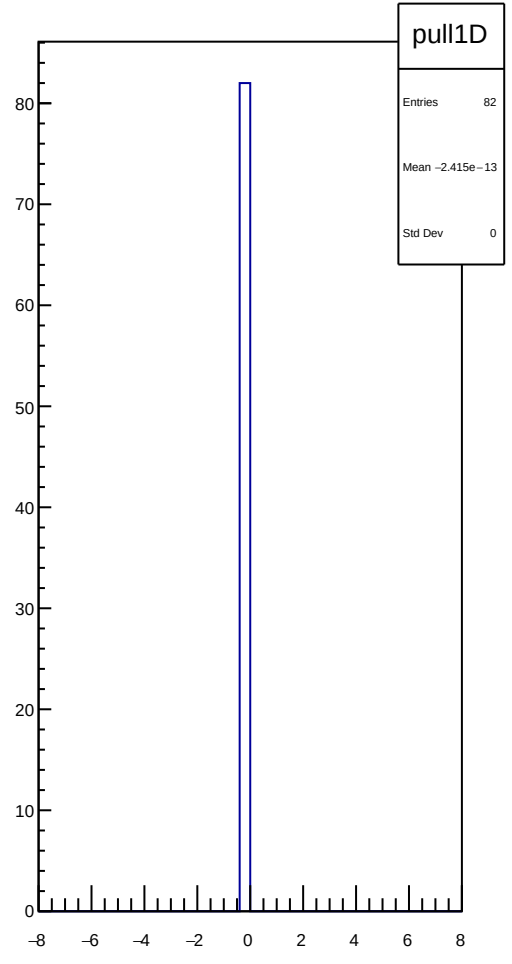

dit_atr1_4aY_slope vs run
χ² / ndf 1.057e−25 / 81
p0 16.29 ± 0.05464
16.8
16.6
16.4
16.2
16
15.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
35
30
25
20
15
10
5
0

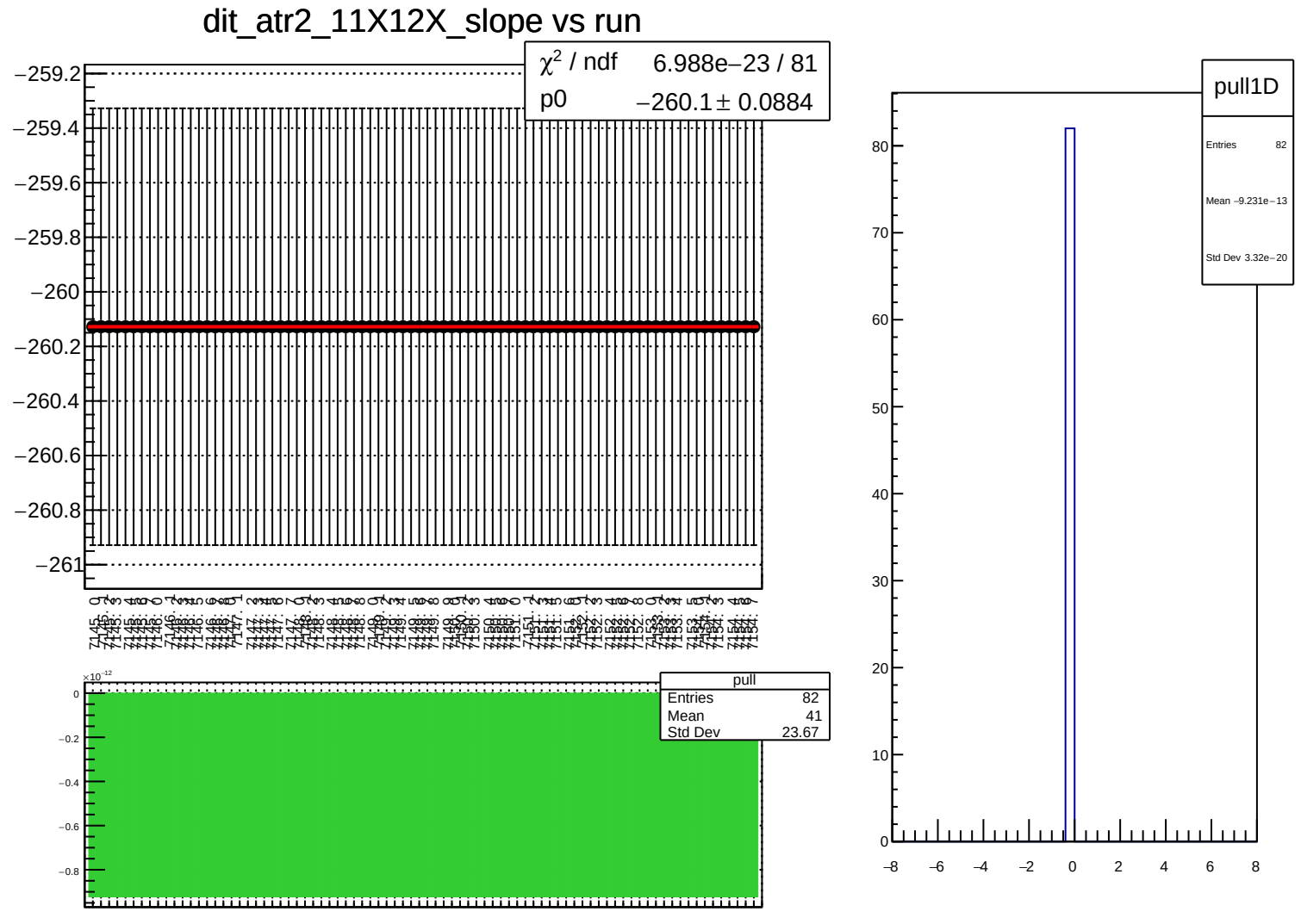

pull1D
Entries 82
Mean 3.59e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

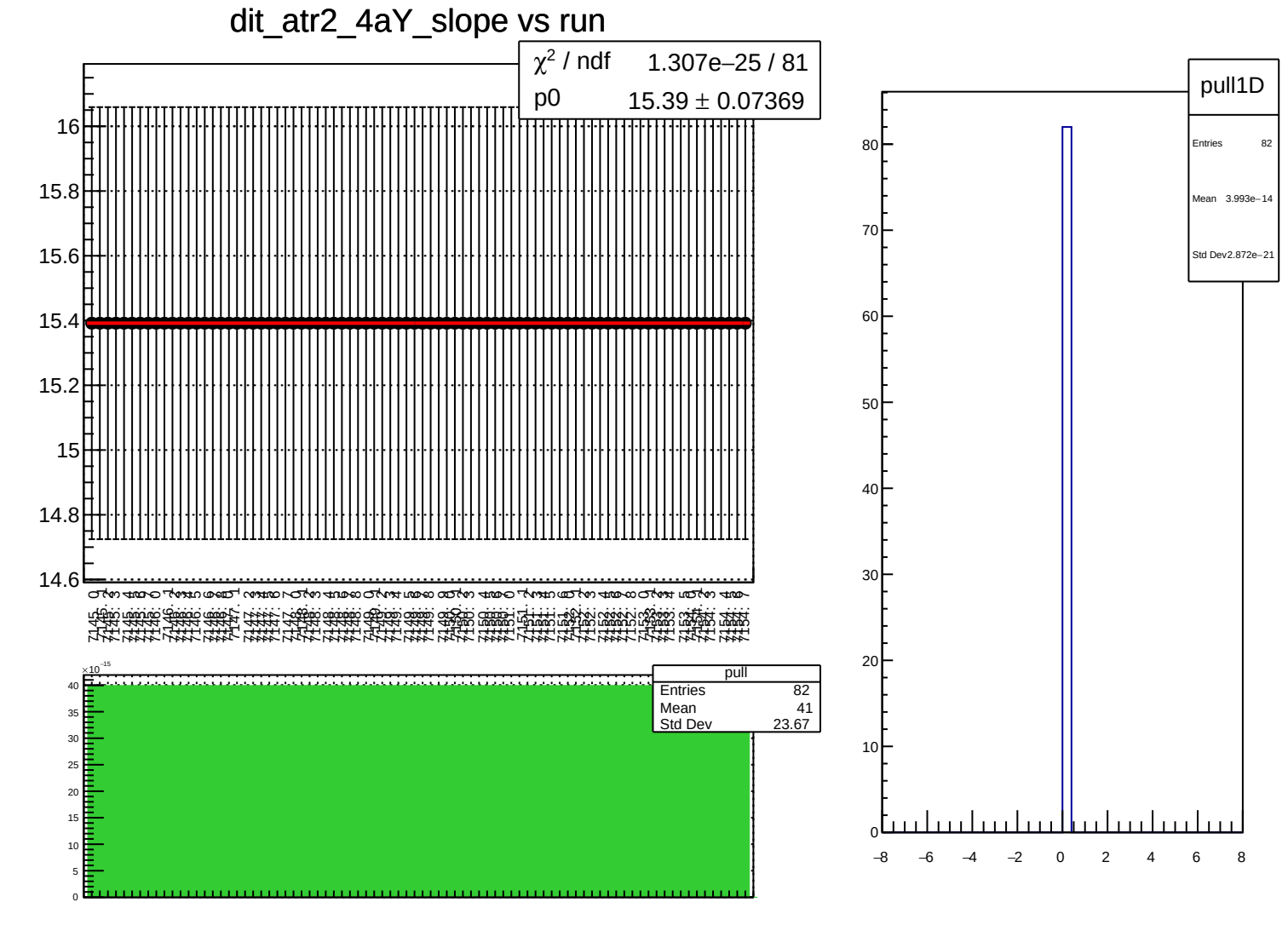

dit_atr1_4eY_slope vs run
χ² / ndf 6.271e−27 / 81
p0 −25.05 ± 0.08973
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 8.745e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

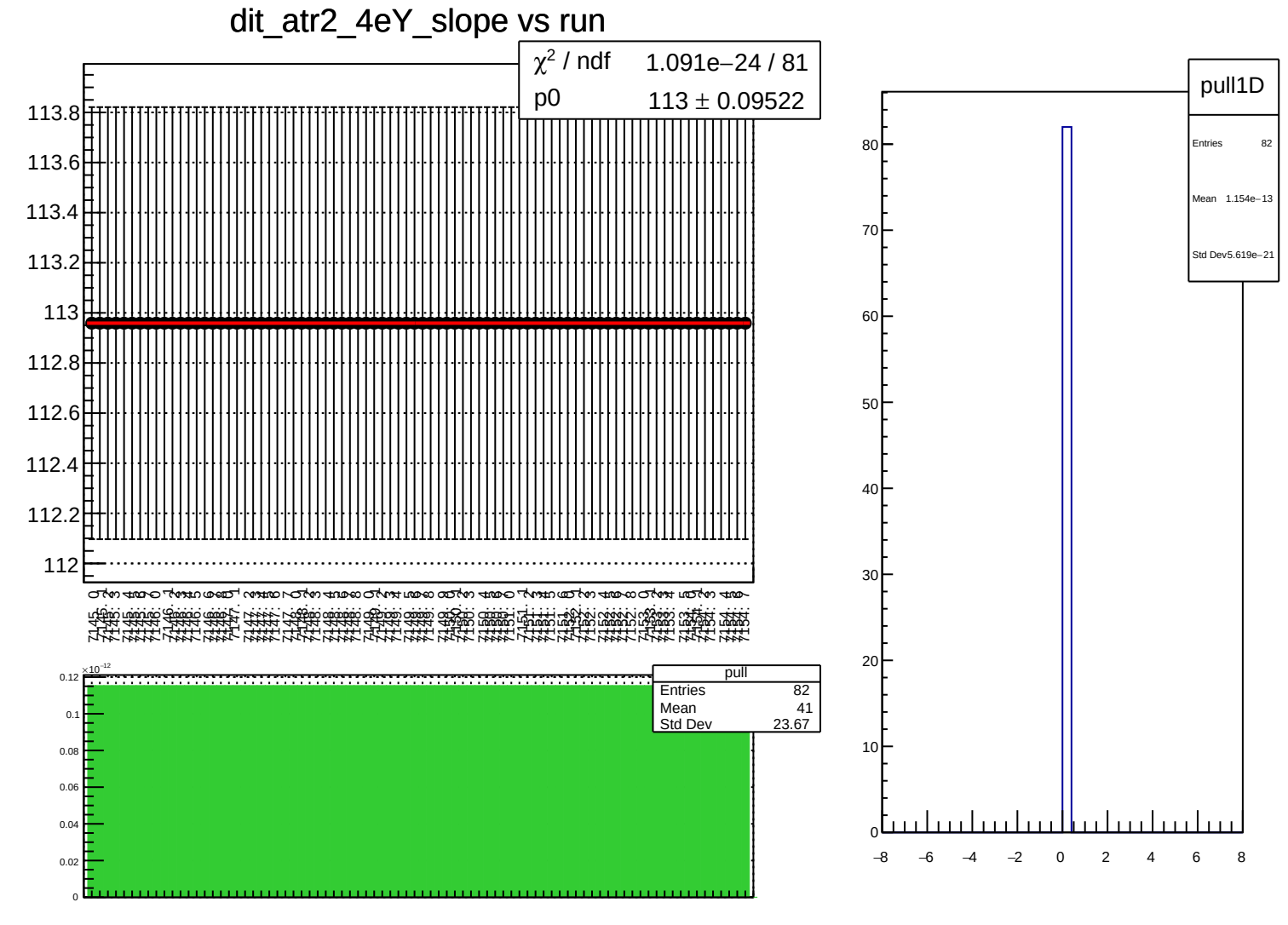

dit_atr2_4aX_slope vs run
χ² / ndf 3.036e−26 / 81
p0 −839.4 ± 0.6525
−834
−836
−838
−840
−842
−844
−846
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −1.924e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

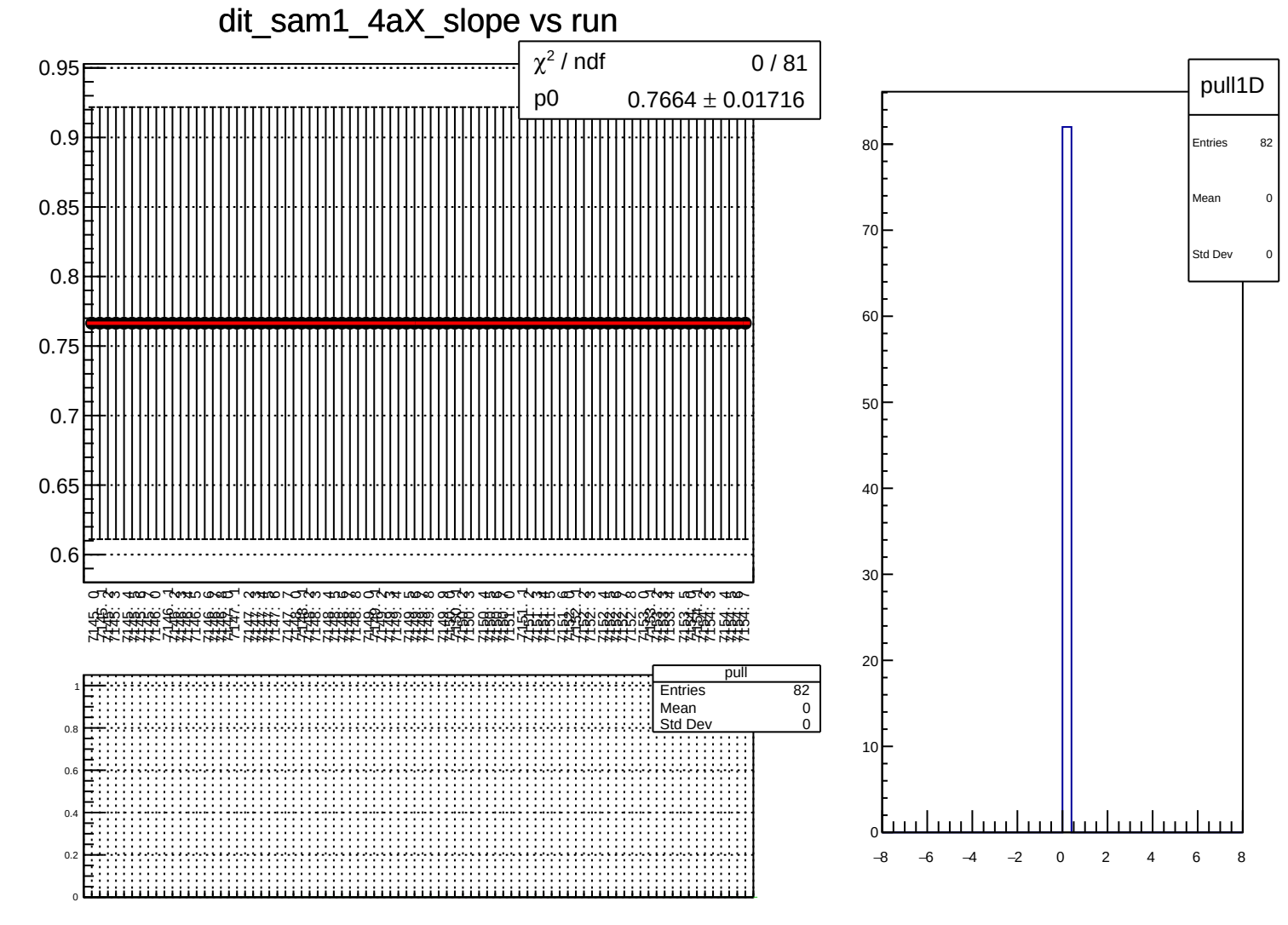

dit_atr2_4eX_slope vs run
χ² / ndf 4.783e−24 / 81
p0 956.9 ± 0.6238
962
960
958
956
954
952
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 82
Mean 41
Std Dev 23.67

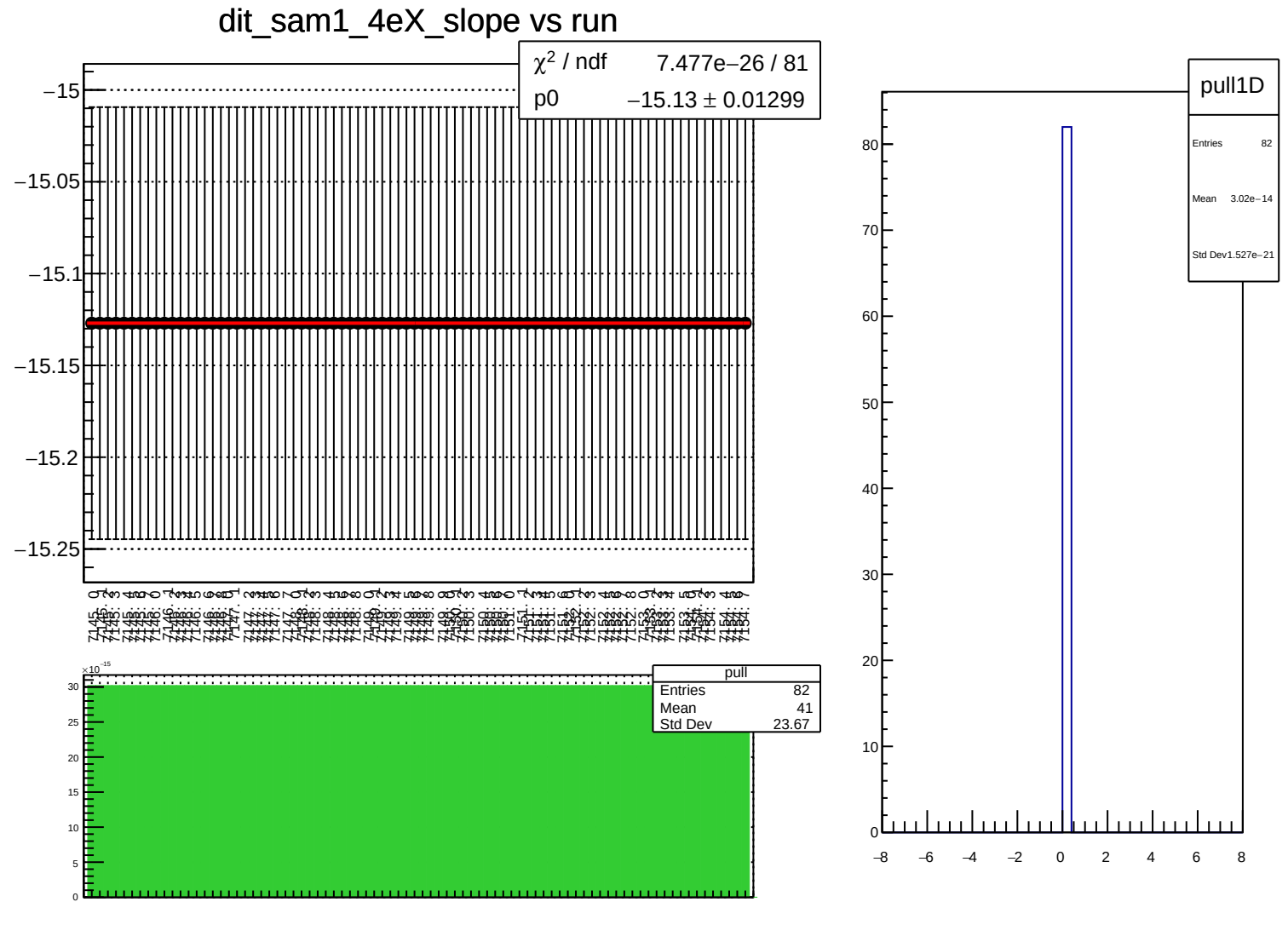

pull1D
Entries 82
Mean −2.415e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

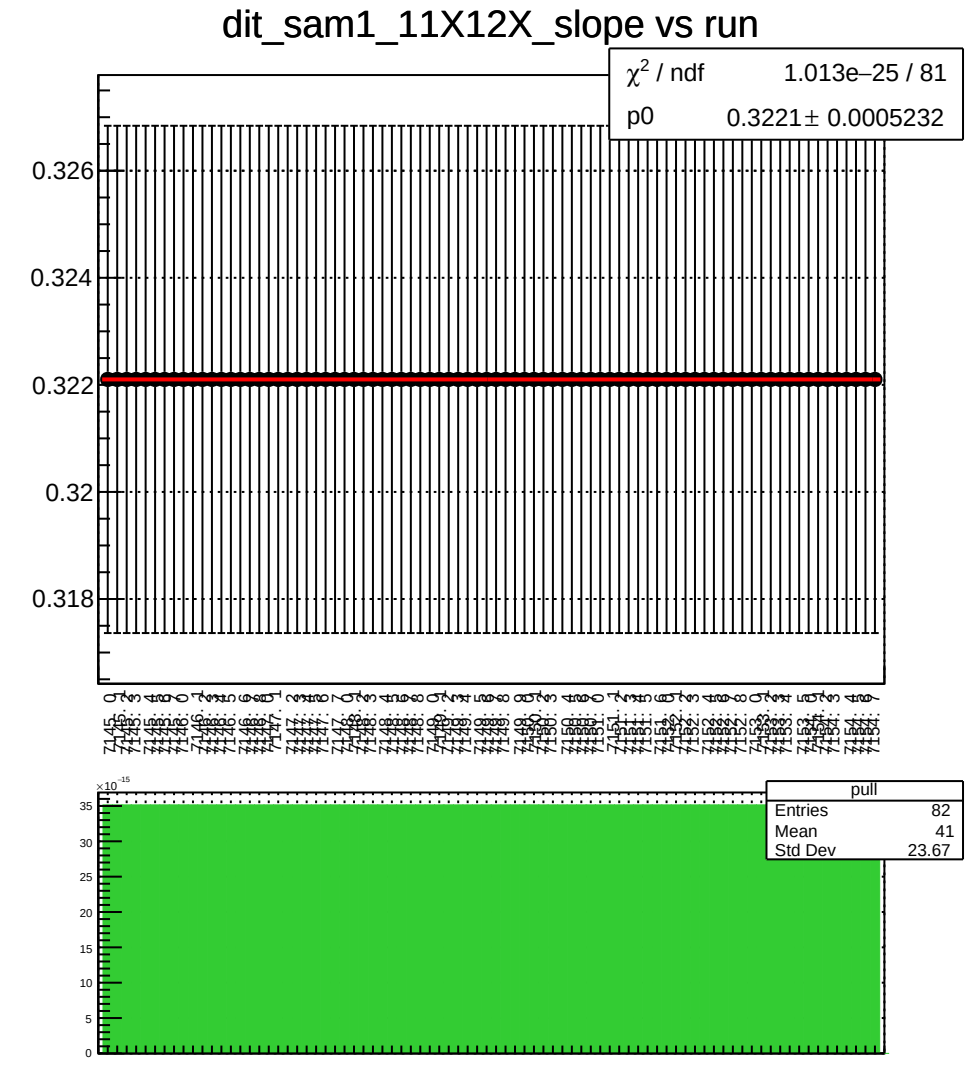

dit_atr2_11X12X_slope vs run
χ² / ndf 6.988e−23 / 81
p0 −260.1 ± 0.0884
−259.2
−259.4
−259.6
−259.8
−260
−260.2
−260.4
−260.6
−260.8
−261
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 82
Mean −9.231e−13
Std Dev 3.32e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

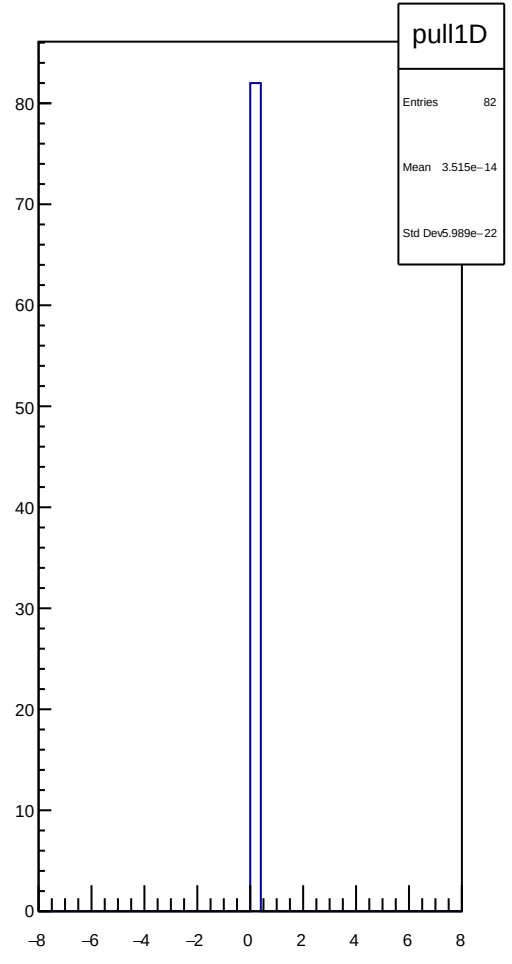

dit_atr2_4aY_slope vs run
χ² / ndf 1.307e−25 / 81
p0 15.39 ± 0.07369
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.993e−14
Std Dev2.872e−21

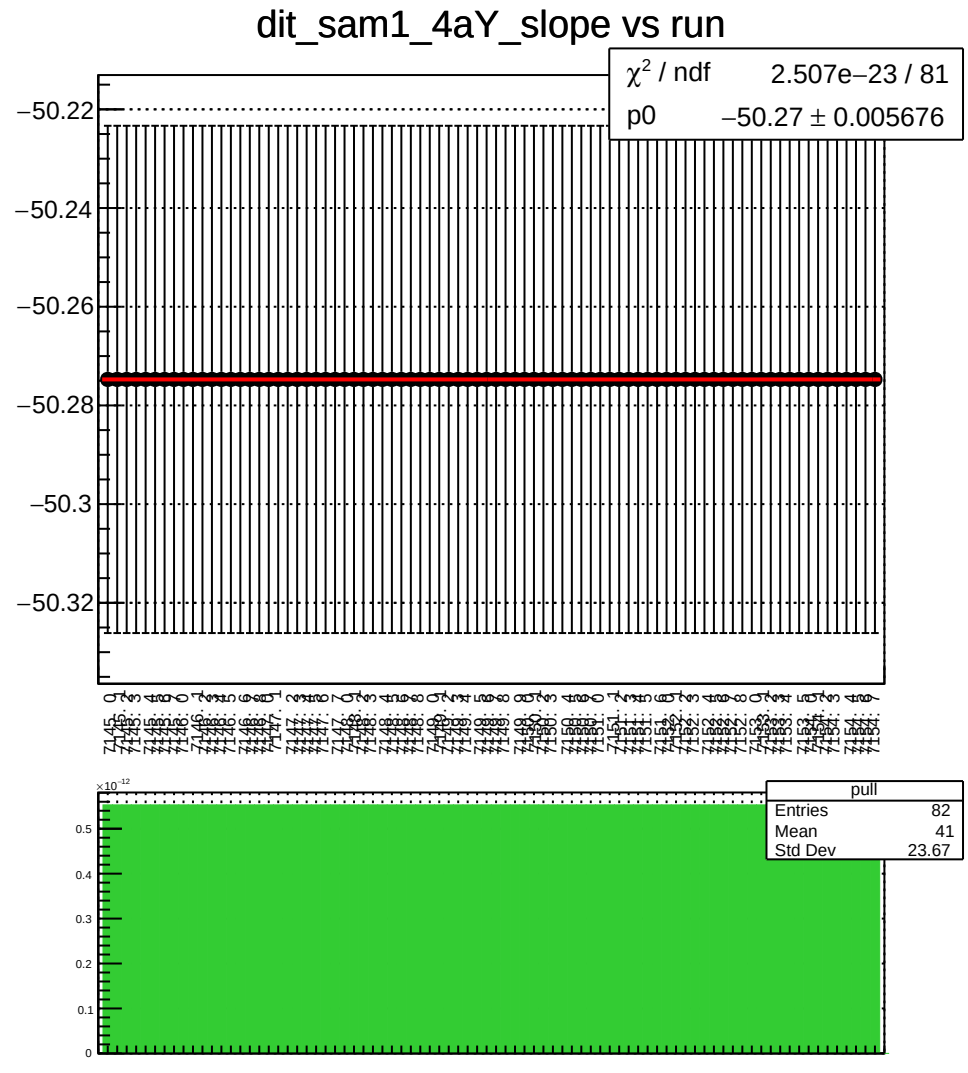

dit_atr2_4eY_slope vs run
χ² / ndf 1.091e−24 / 81
p0 113 ± 0.09522
113.8
113.6
113.4
113.2
113
112.8
112.6
112.4
112.2
112
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 1.154e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

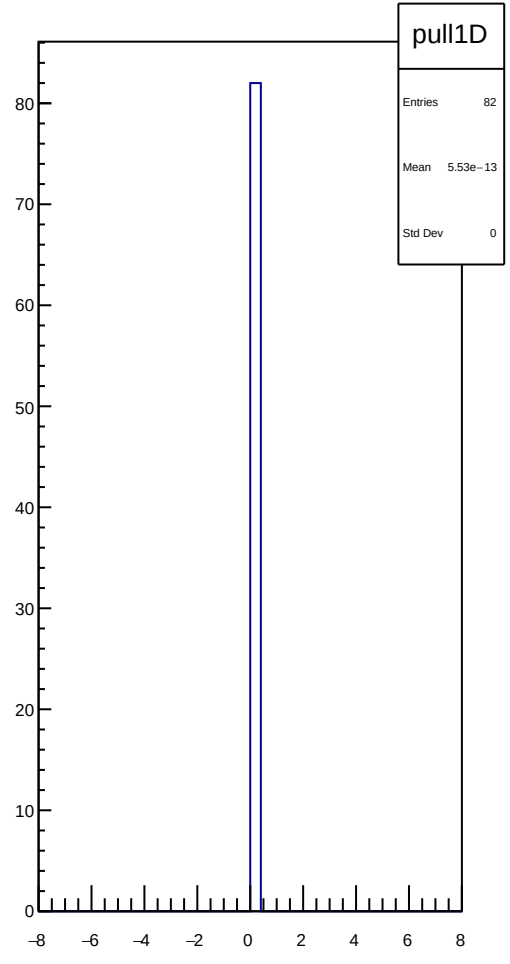

dit_sam1_4aX_slope vs run
χ² / ndf 0 / 81
p0 0.7664 ± 0.01716
pull
Entries 82
Mean 0
Std Dev 0
pull1D
Entries 82
Mean 0
Std Dev 0

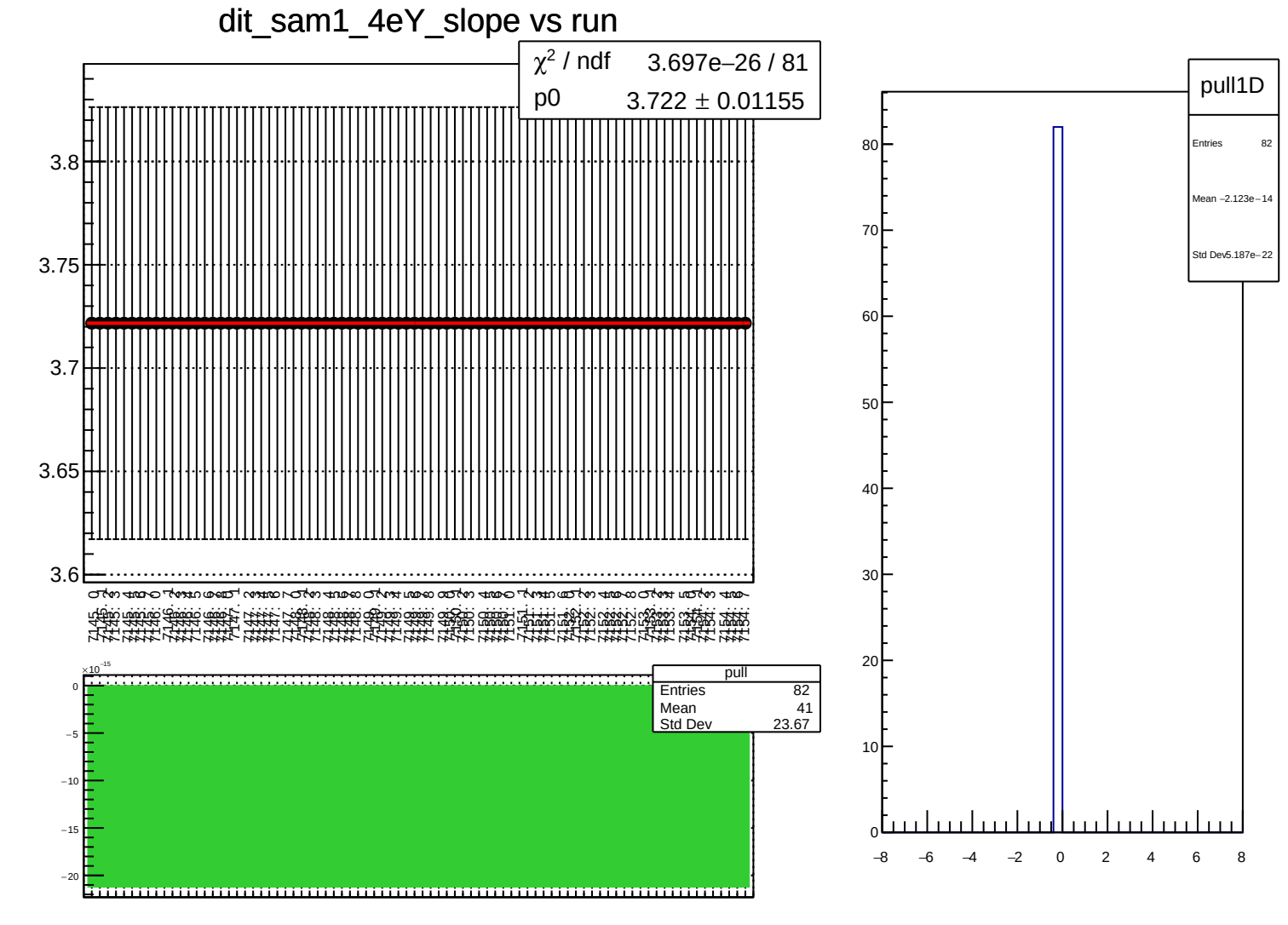

dit_sam1_4eX_slope vs run
χ² / ndf 7.477e−26 / 81
p0 −15.13 ± 0.01299
−15
−15.05
−15.1
−15.15
−15.2
−15.25
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 3.02e−14
Std Dev1.527e−21

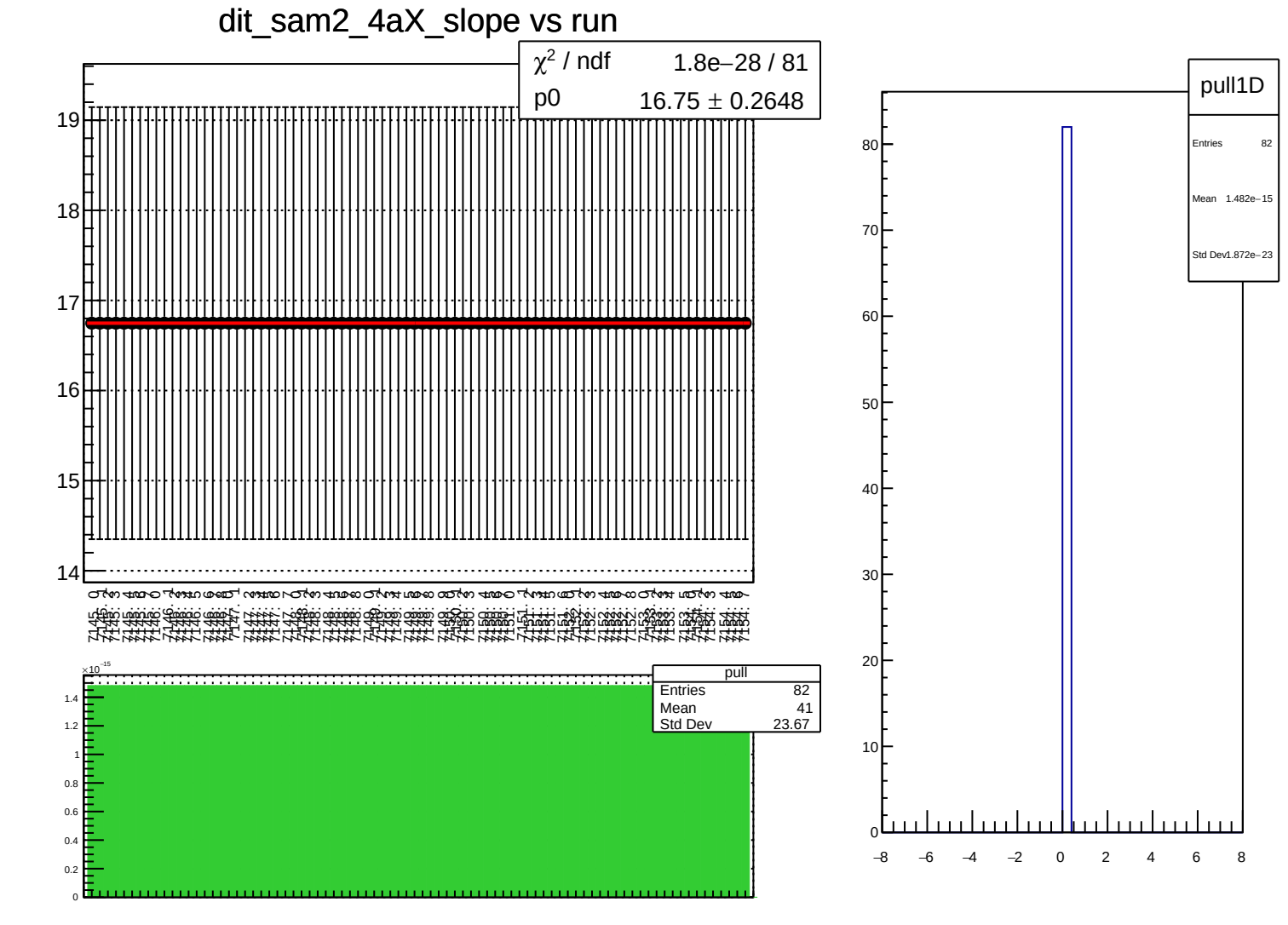

dit_sam1_11X12X_slope vs run
χ² / ndf 1.013e−25 / 81
p0 0.3221 ± 0.0005232
0.326
0.324
0.322
0.32
0.318
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
35
30
25
20
15
10
5
0

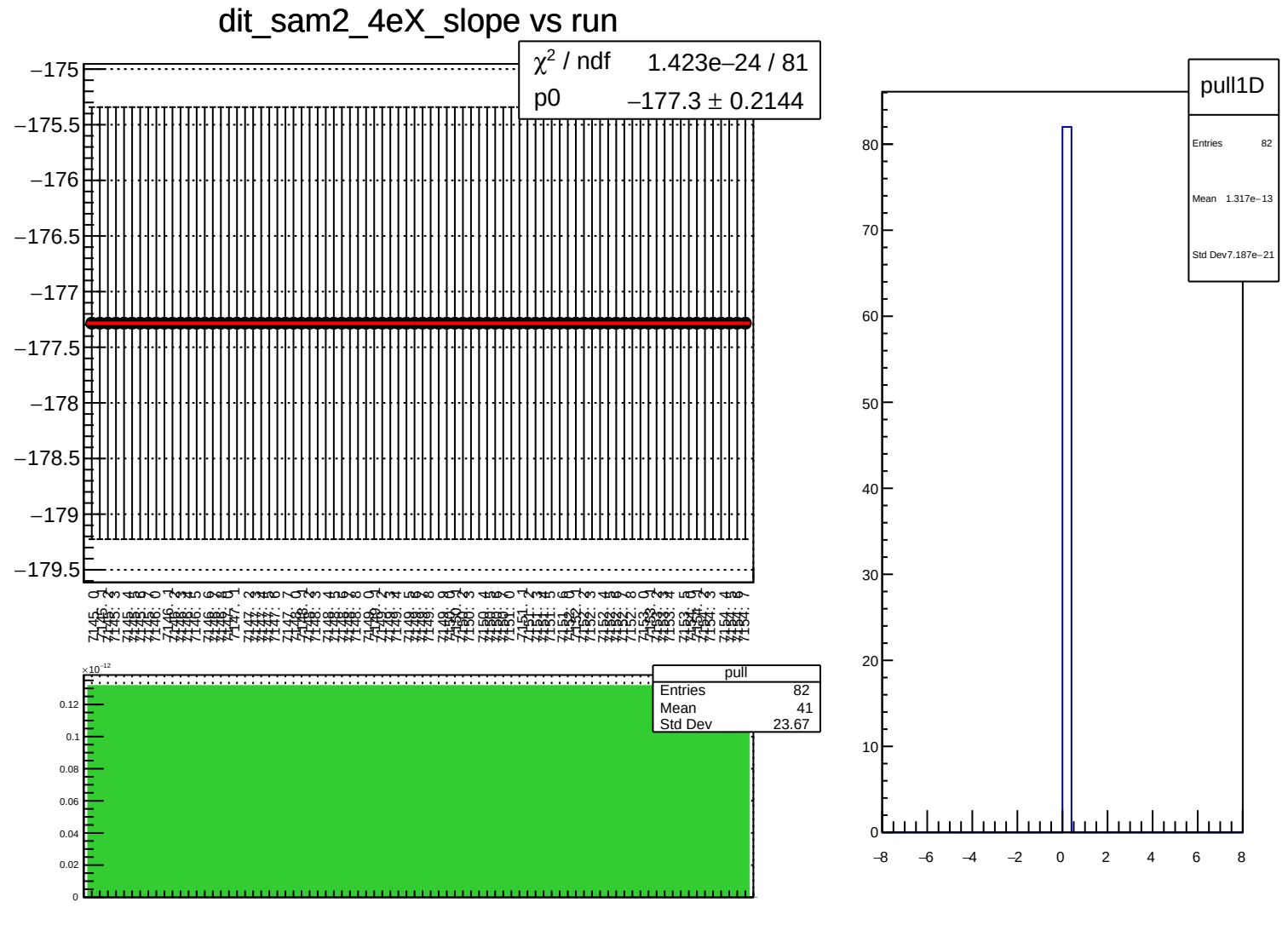

pull1D
Entries 82
Mean 3.515e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

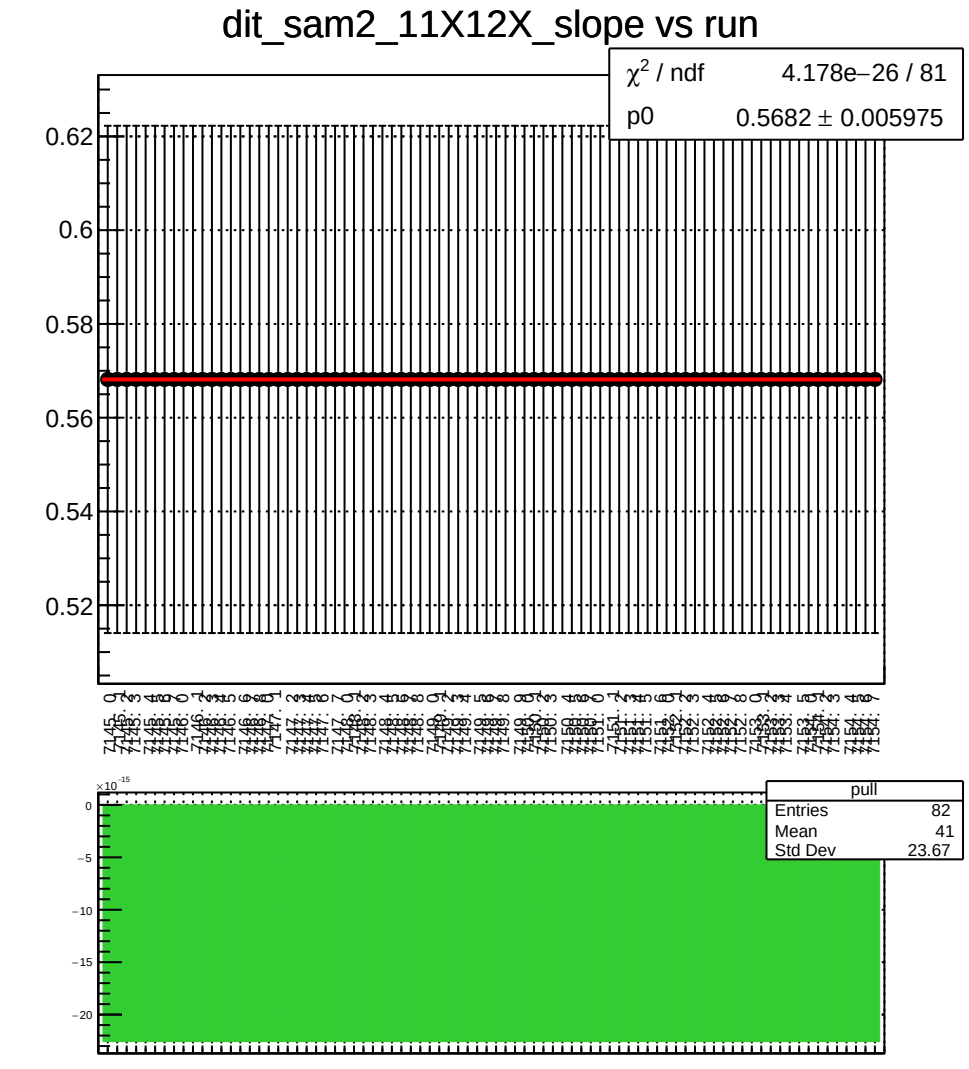

dit_sam1_4aY_slope vs run
χ² / ndf 2.507e−23 / 81
p0 −50.27 ± 0.005676
−50.22
−50.24
−50.26
−50.28
−50.3
−50.32
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0

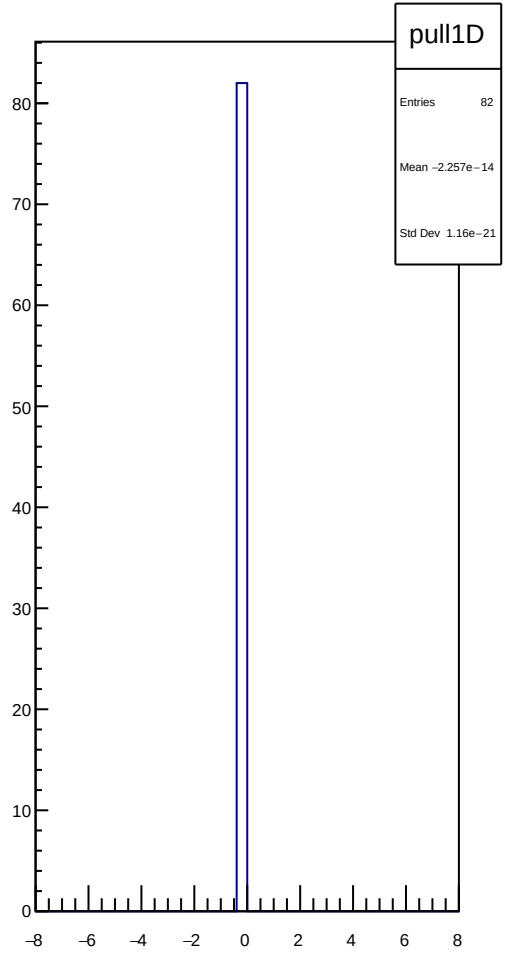

pull1D
Entries 82
Mean 5.53e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

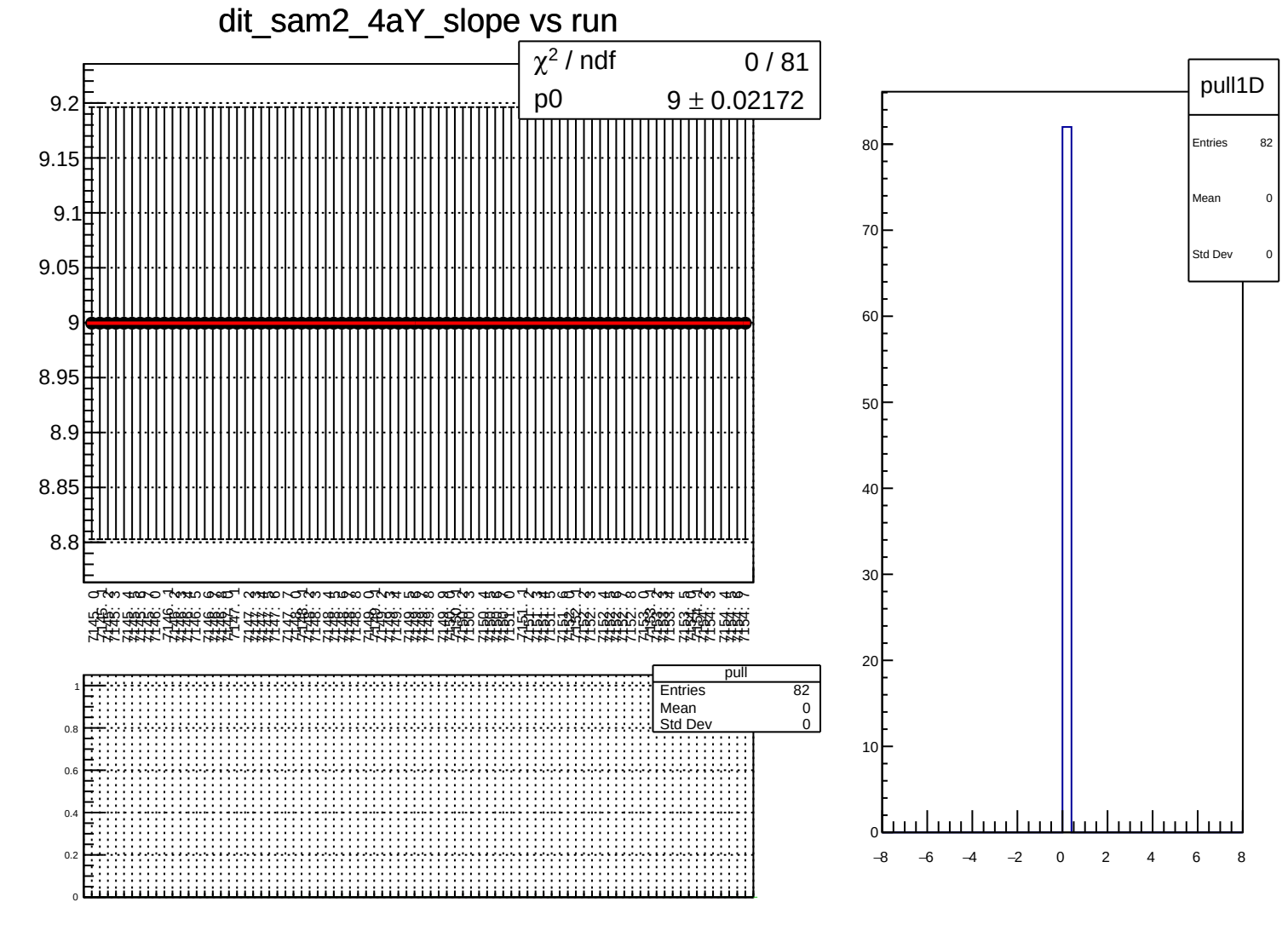

dit_sam1_4eY_slope vs run
χ² / ndf 3.697e−26 / 81
p0 3.722 ± 0.01155
3.8
3.75
3.7
3.65
3.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.123e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

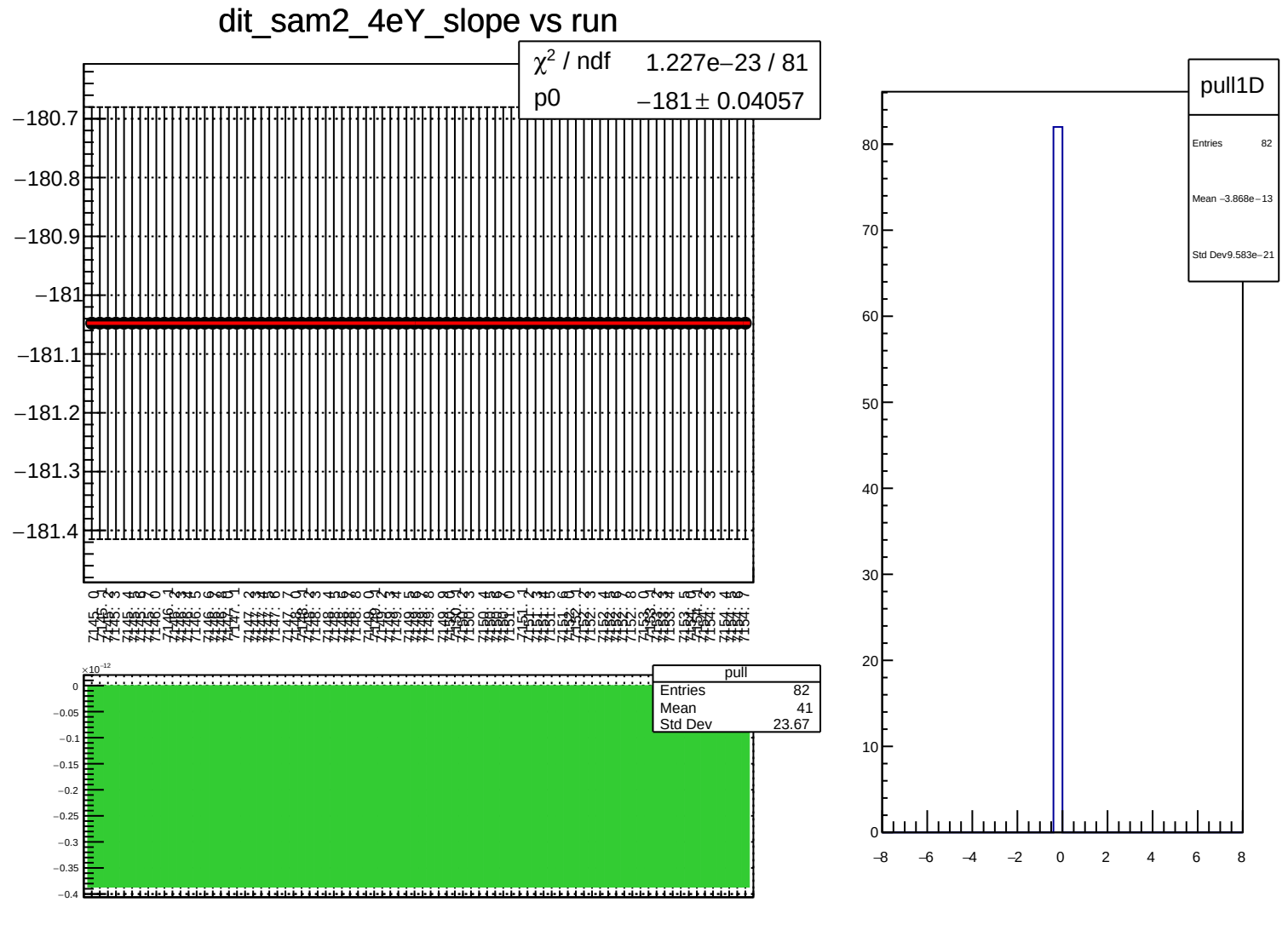

dit_sam2_4aX_slope vs run
χ² / ndf 1.8e−28 / 81
p0 16.75 ± 0.2648
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.482e−15
Std Dev1.872e−23

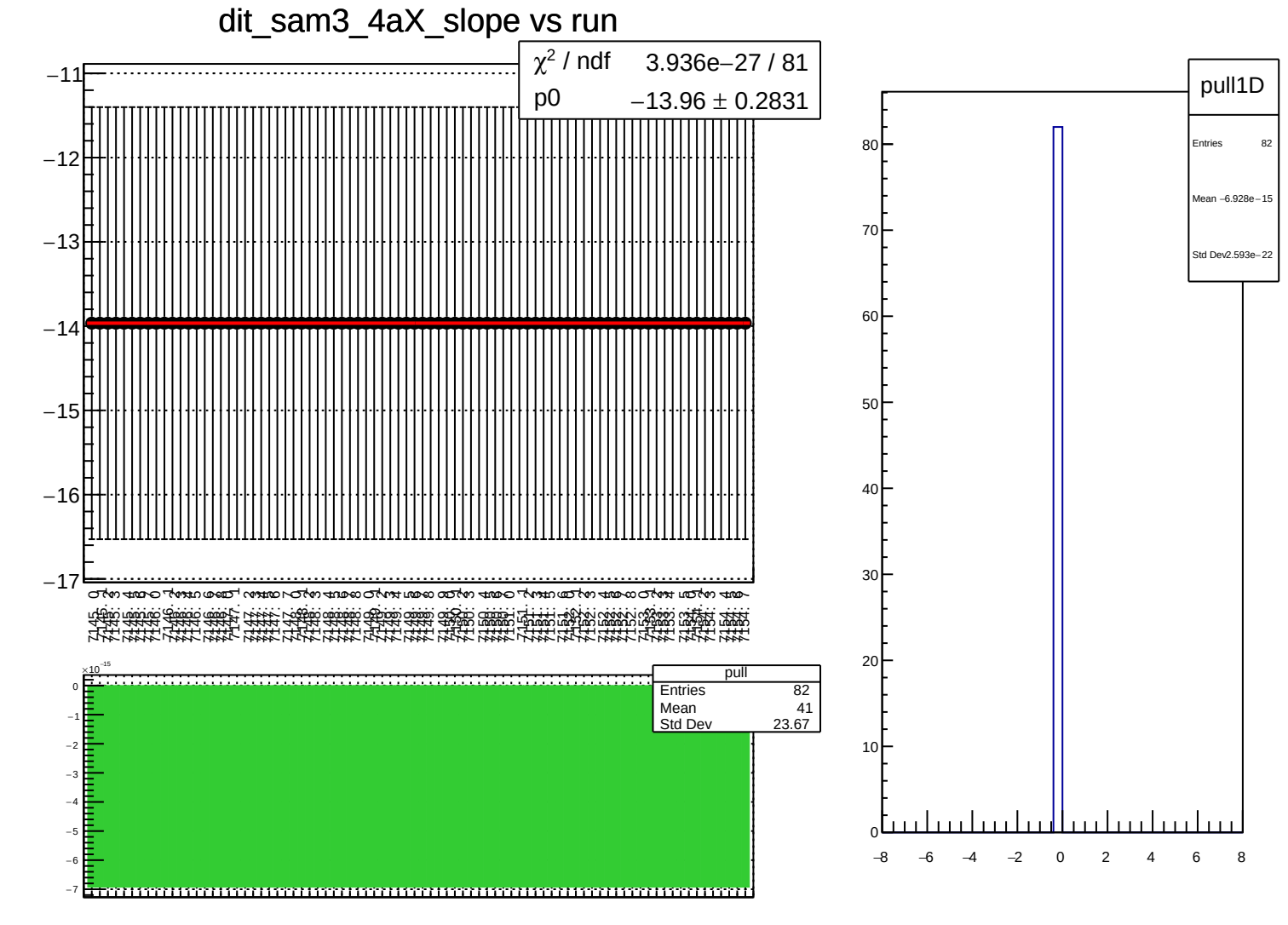

dit_sam2_4eX_slope vs run
χ^2 / ndf 1.423e−24 / 81
p0 −177.3 ± 0.2144
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.317e−13
Std Dev7.187e−21

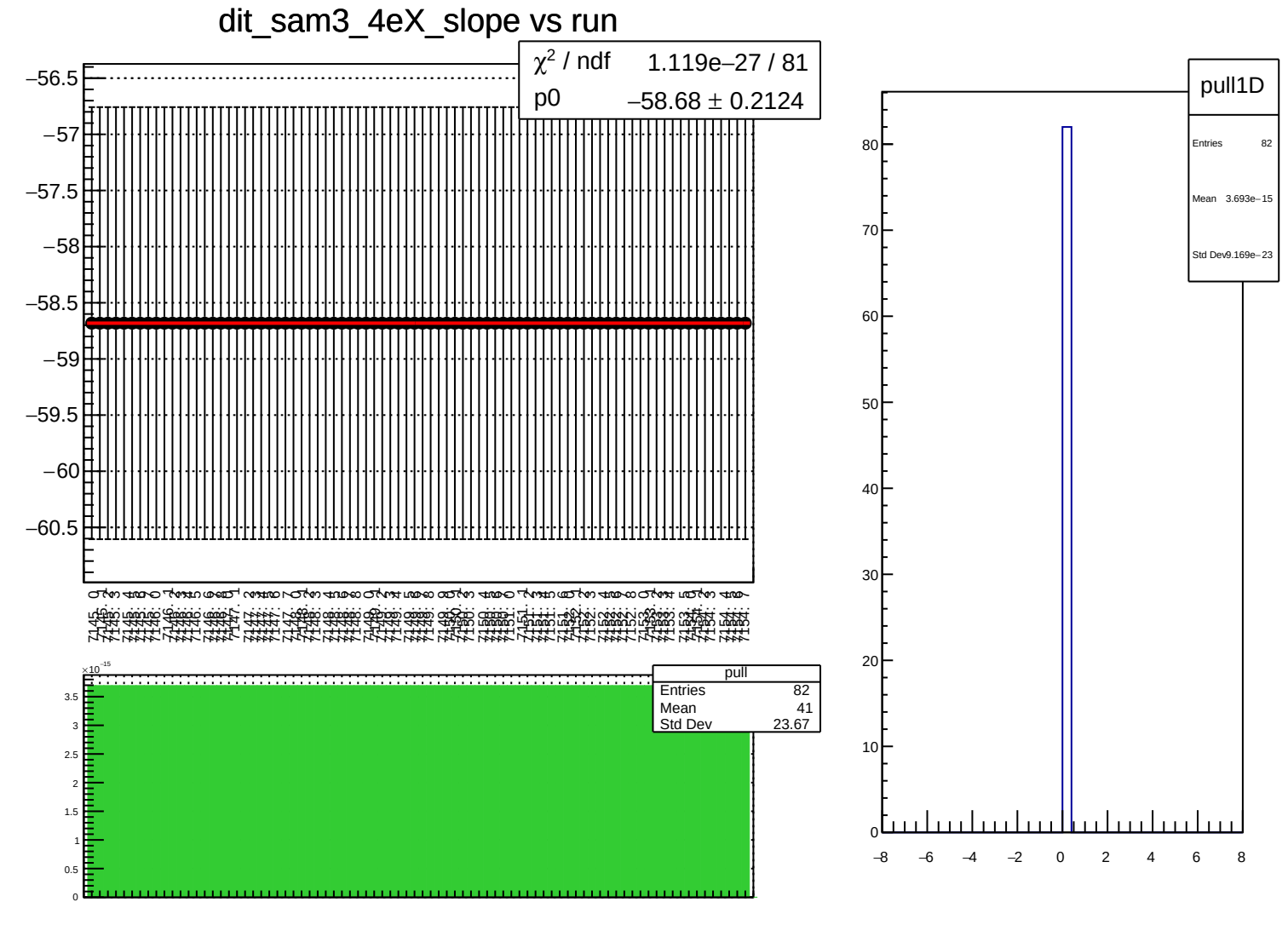

dit_sam2_11X12X_slope vs run
χ² / ndf 4.178e−26 / 81
p0 0.5682 ± 0.005975
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20

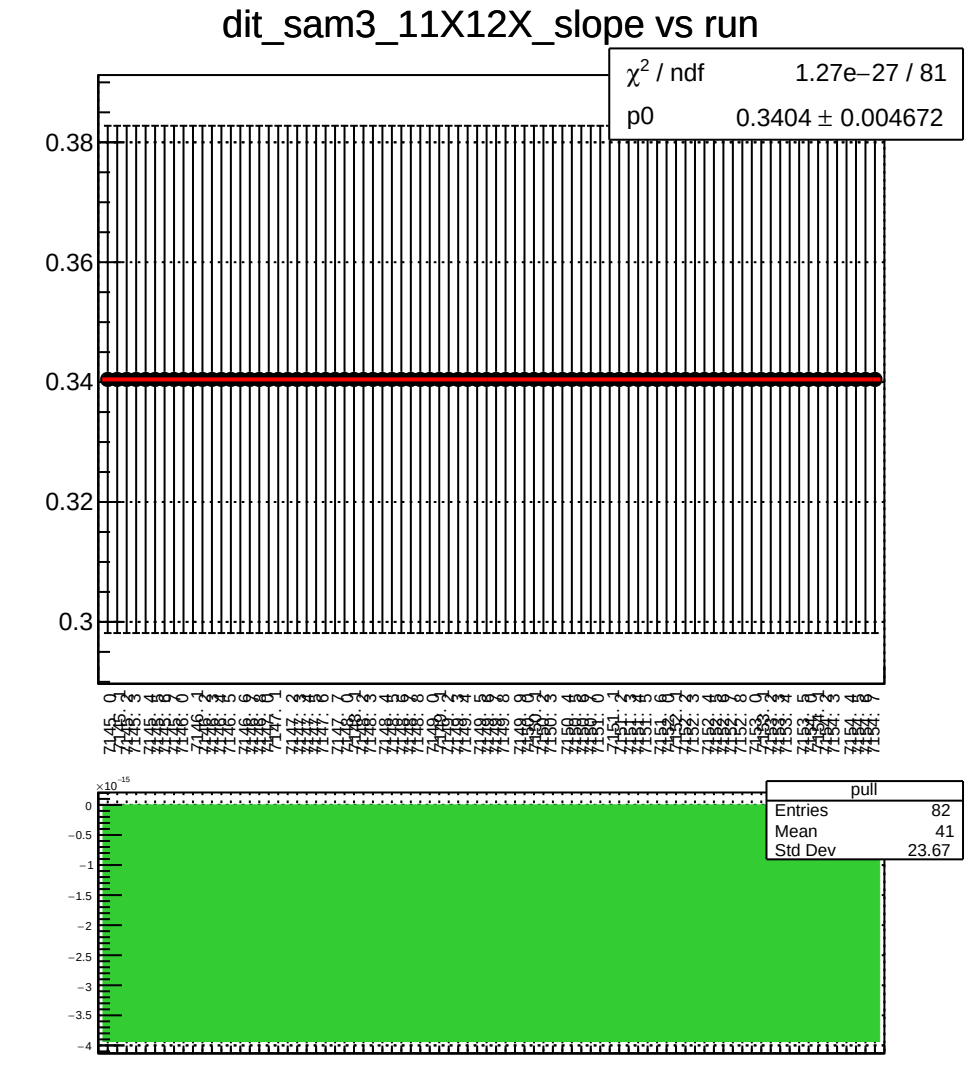

pull1D
Entries 82
Mean −2.257e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

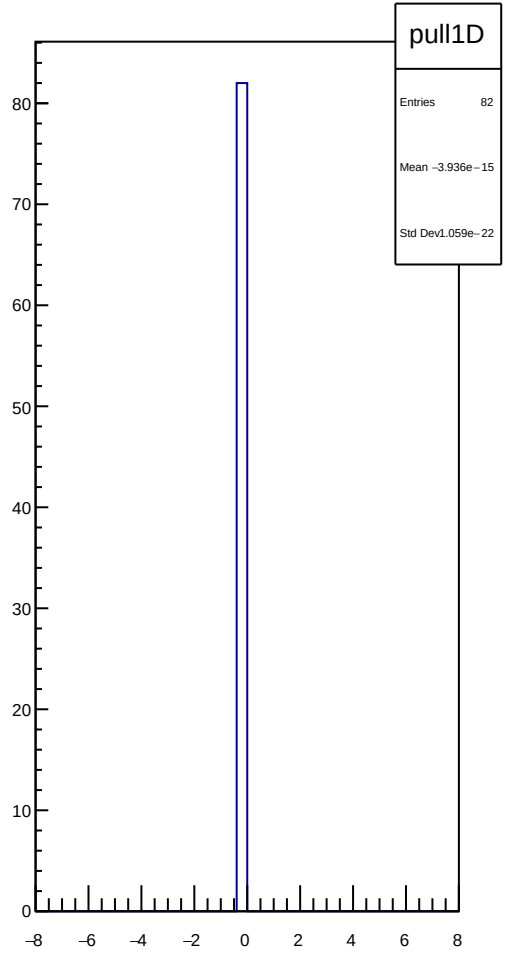

dit_sam2_4aY_slope vs run
χ² / ndf 0 / 81
p0 9 ± 0.02172
9.2
9.15
9.1
9.05
9
8.95
8.9
8.85
8.8
pull
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 82
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

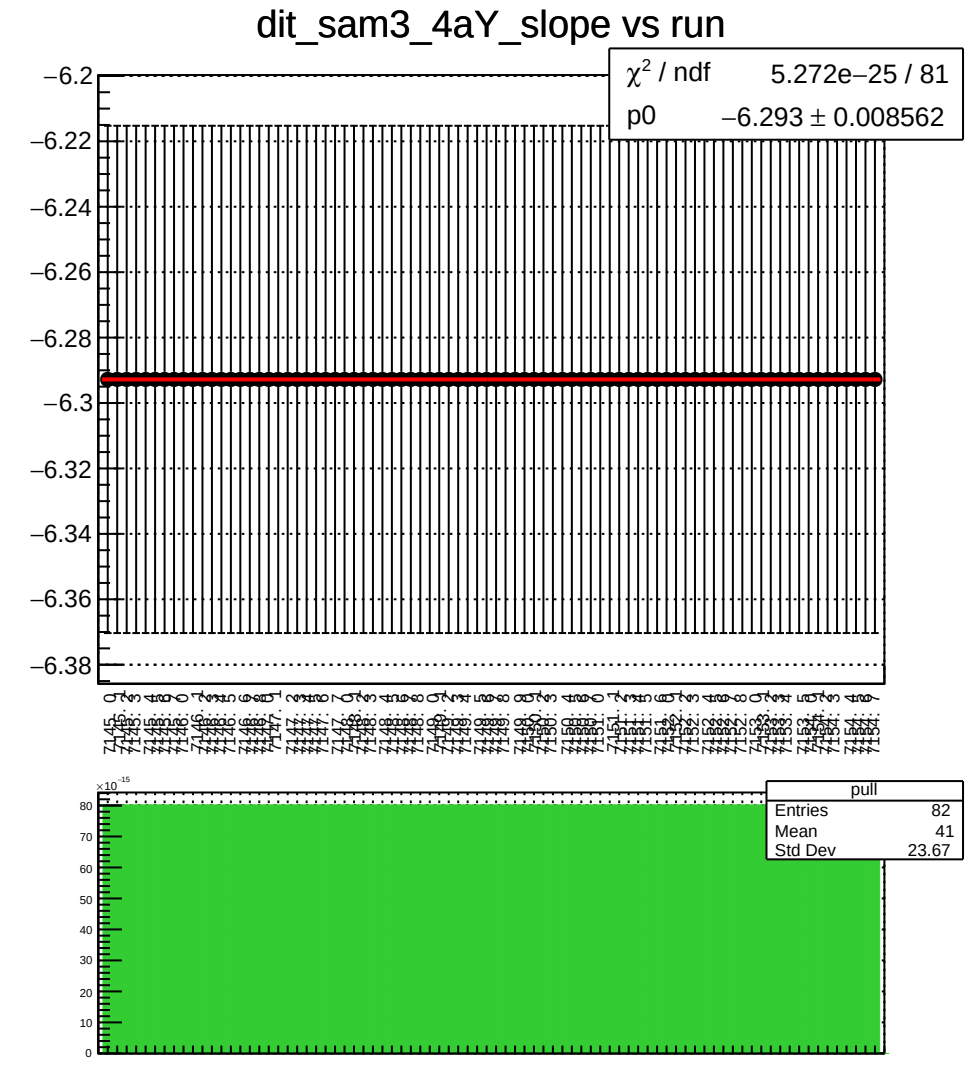

dit_sam2_4eY_slope vs run
χ² / ndf 1.227e−23 / 81
p0 −181 ± 0.04057
−180.7
−180.8
−180.9
−181
−181.1
−181.2
−181.3
−181.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 82
Mean −3.868e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

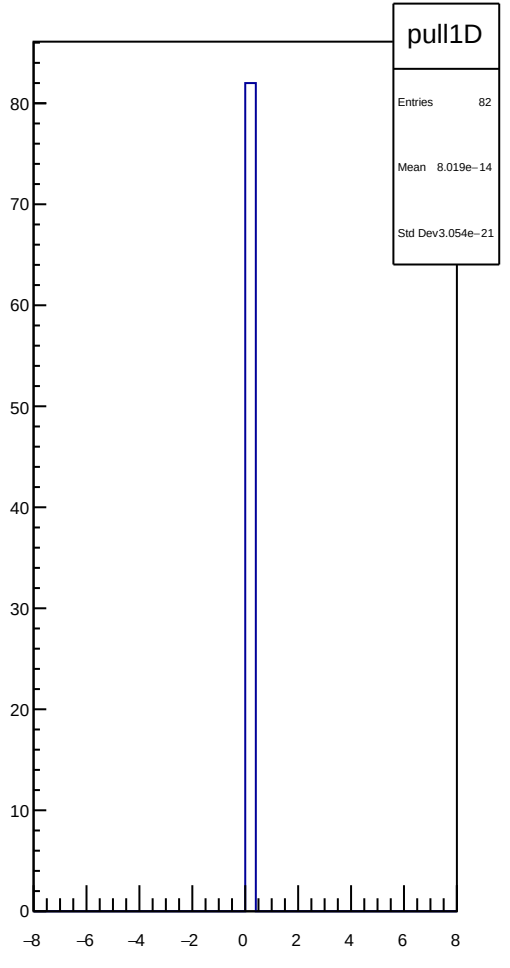

dit_sam3_4aX_slope vs run
χ² / ndf 3.936e−27 / 81
p0 −13.96 ± 0.2831
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −6.928e−15
Std Dev2.593e−22

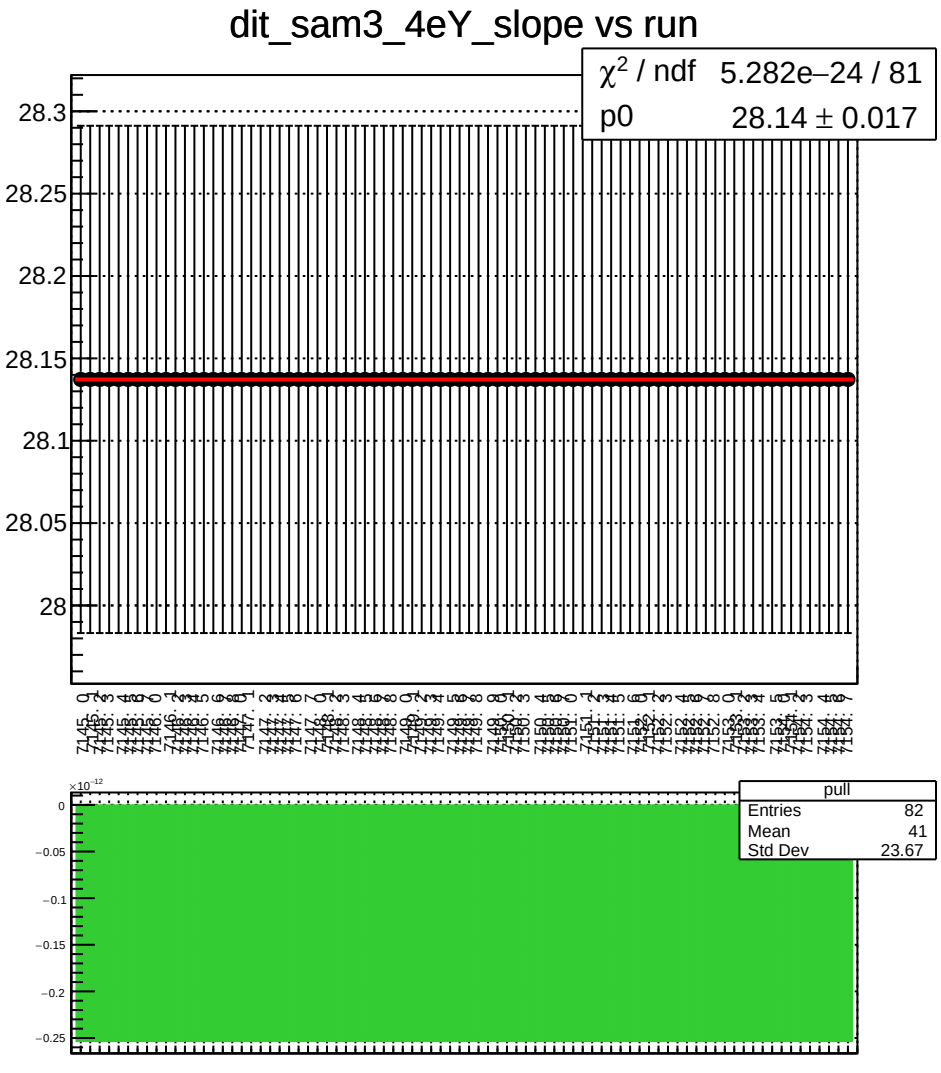

dit_sam3_4eX_slope vs run
χ² / ndf 1.119e−27 / 81
p0 −58.68 ± 0.2124
−56.5
−57
−57.5
−58
−58.5
−59
−59.5
−60
−60.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 82
Mean 3.693e−15
Std Dev9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

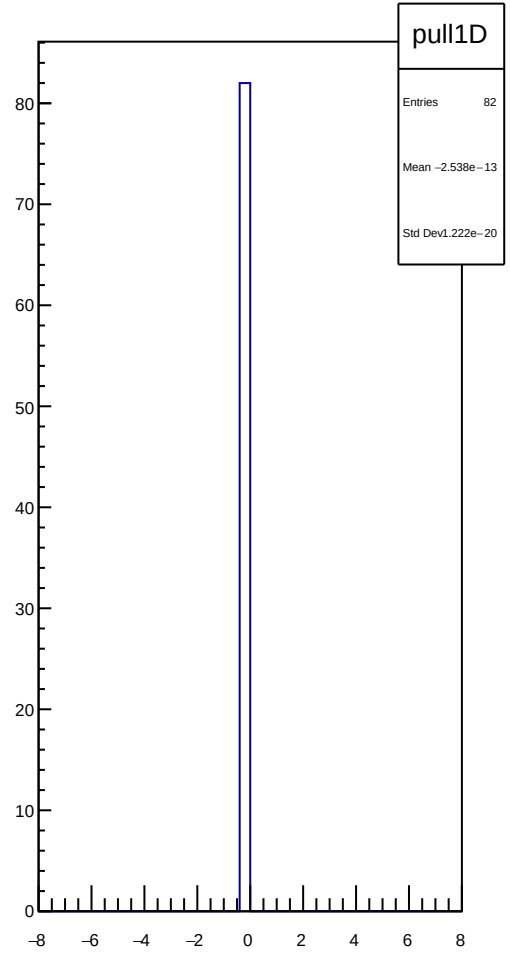

dit_sam3_11X12X_slope vs run
χ² / ndf 1.27e−27 / 81
p0 0.3404 ± 0.004672
0.38
0.36
0.34
0.32
0.3
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

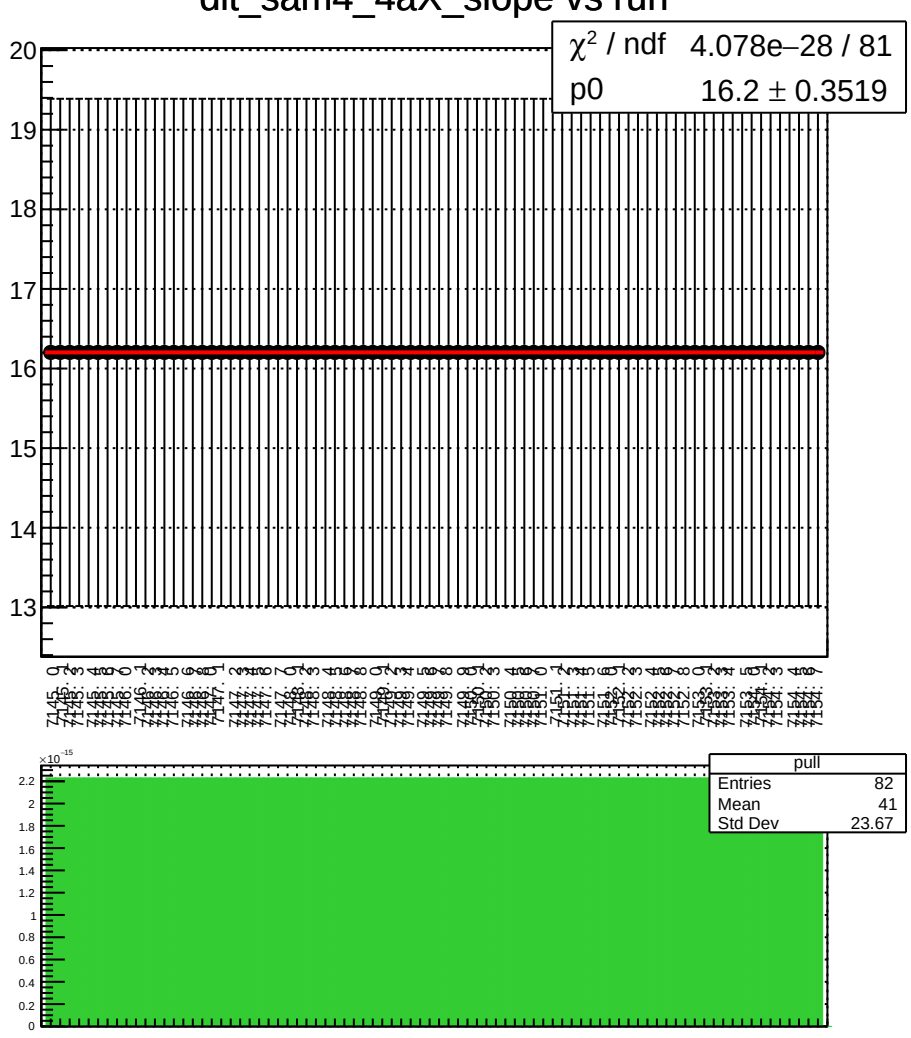

pull1D
Entries 82
Mean −3.936e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

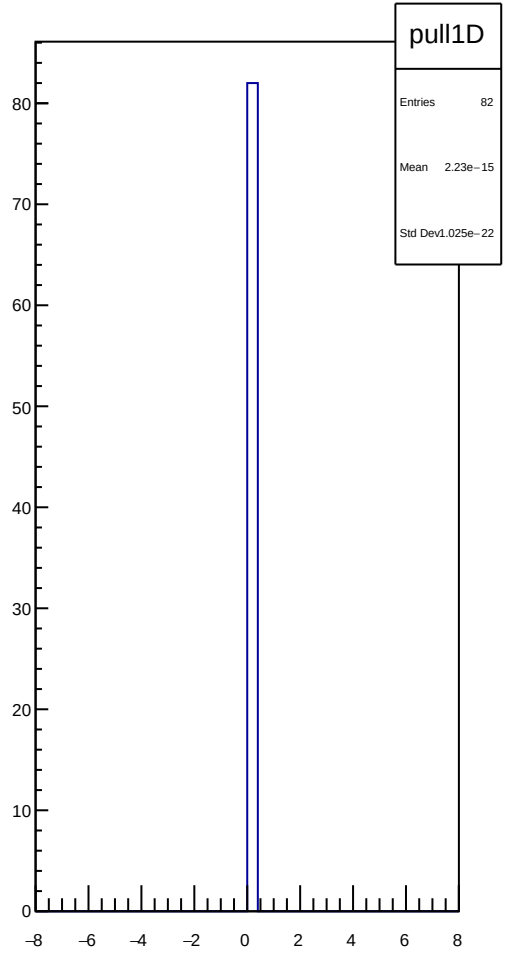

dit_sam3_4aY_slope vs run
χ² / ndf 5.272e−25 / 81
p0 −6.293 ± 0.008562
−6.2
−6.22
−6.24
−6.26
−6.28
−6.3
−6.32
−6.34
−6.36
−6.38
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

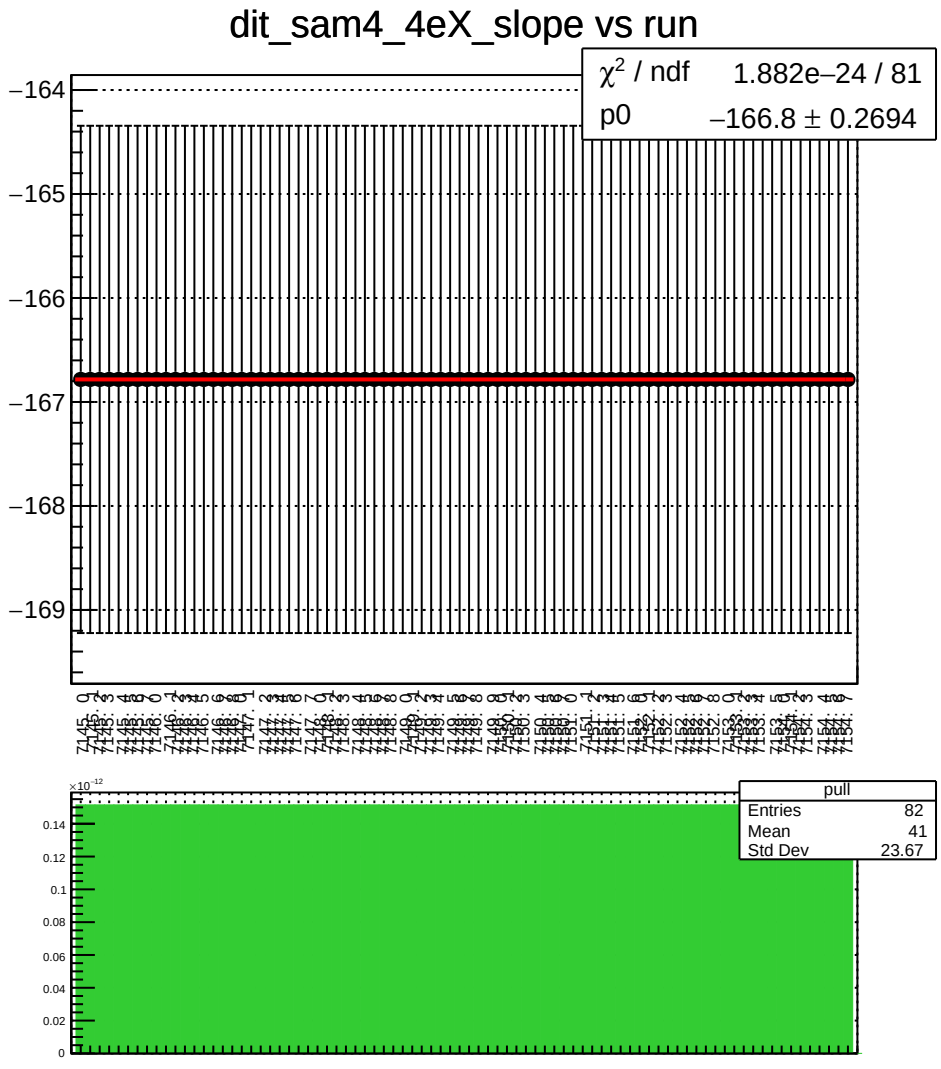

pull1D
Entries 82
Mean 8.019e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

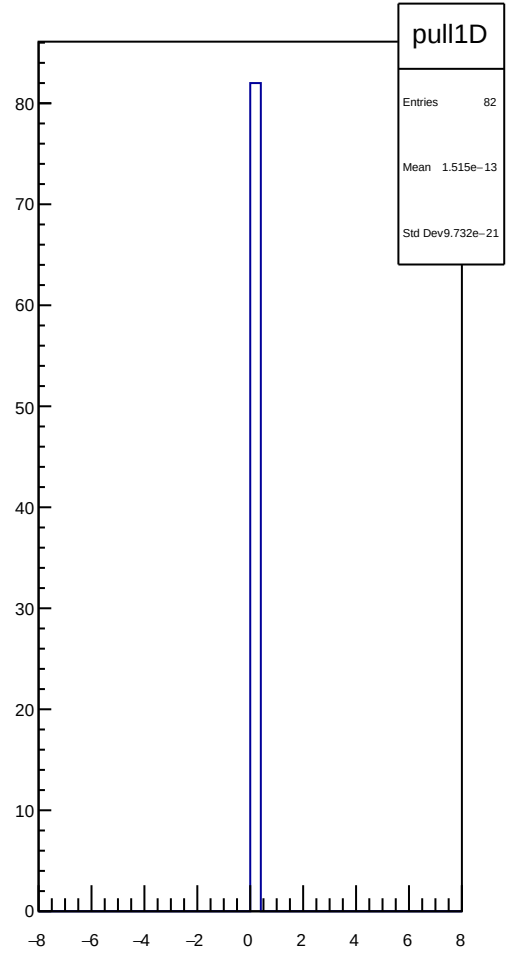

dit_sam3_4eY_slope vs run
χ^2 / ndf 5.282e−24 / 81
p0 28.14 ± 0.017
28.3
28.25
28.2
28.15
28.1
28.05
28
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

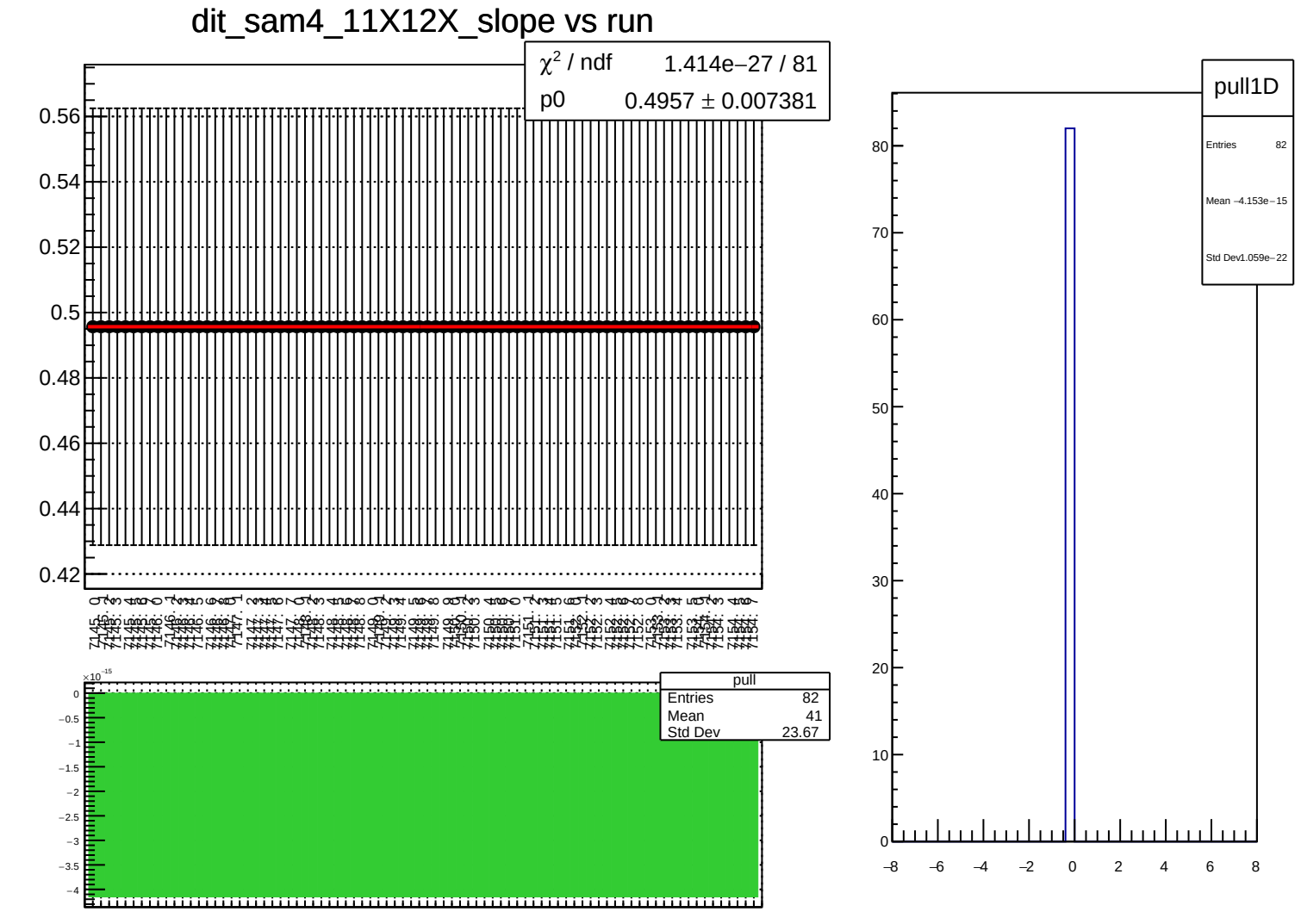

pull1D
Entries 82
Mean −2.538e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

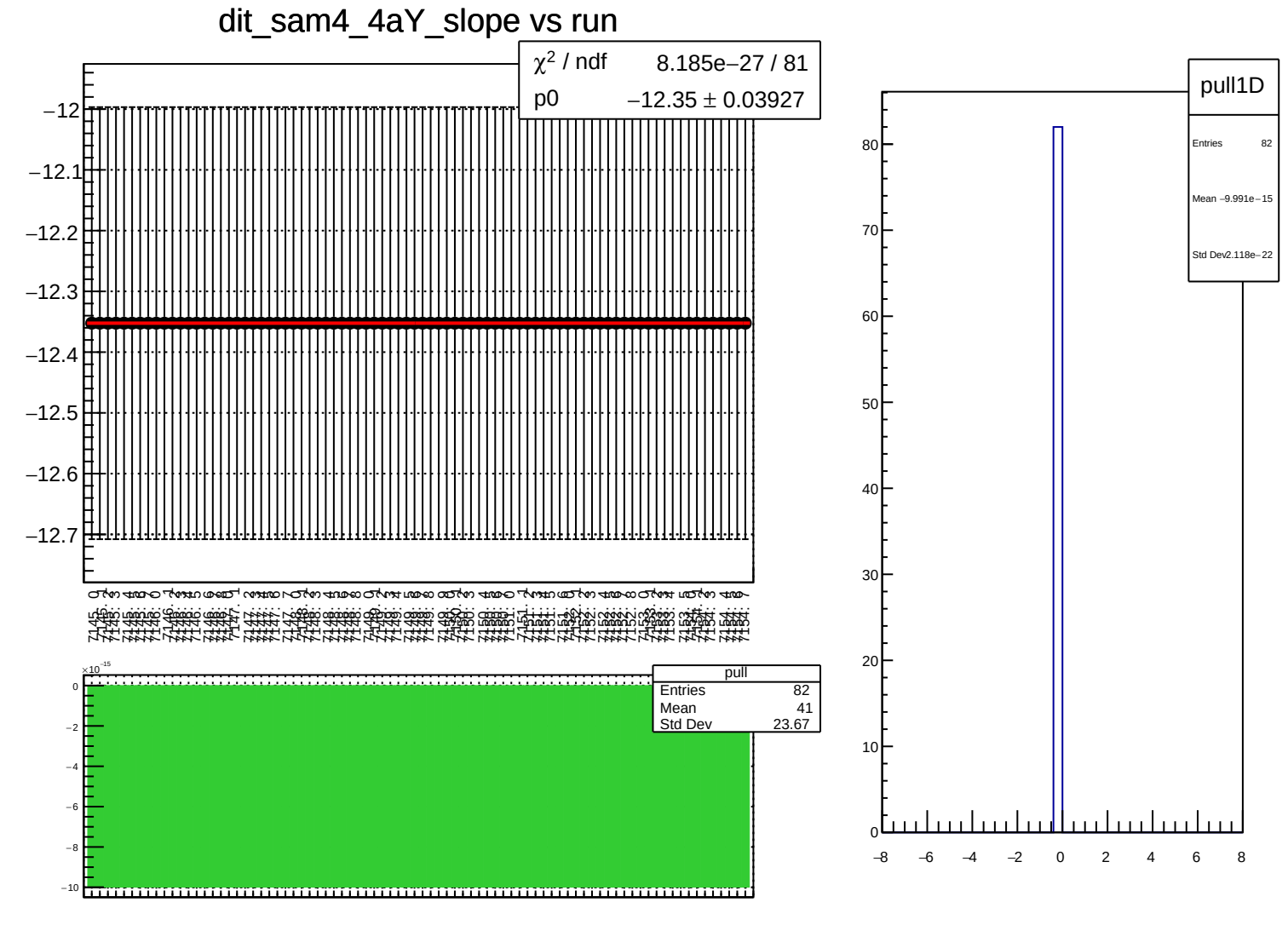

dit_sam4_4aX_slope vs run
χ^2 / ndf 4.078e−28 / 81
p0 16.2 ± 0.3519
pull
Entries 82
Mean 41
Std Dev 23.67

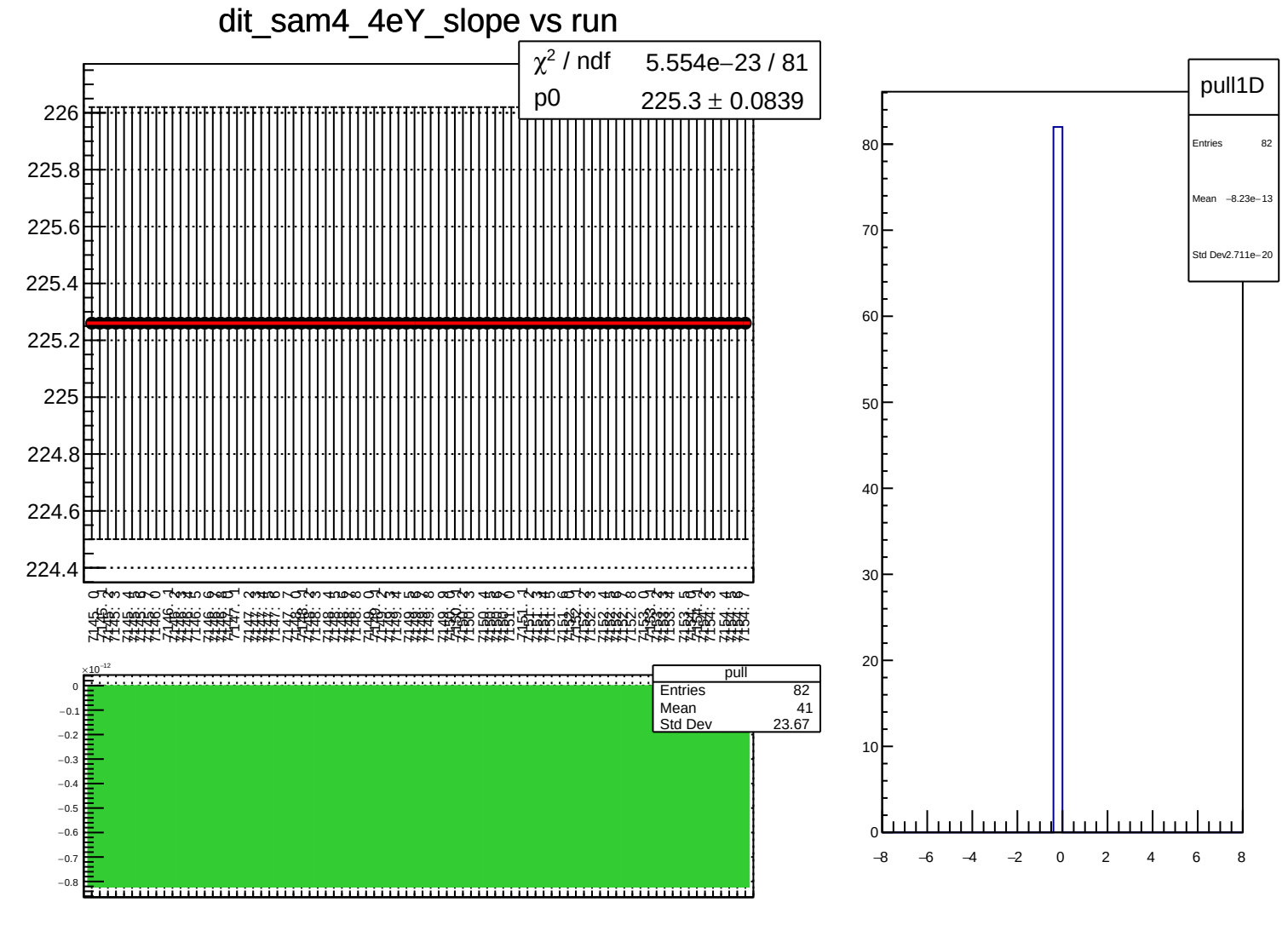

pull1D
Entries 82
Mean 2.23e−15
Std Dev1.025e−22

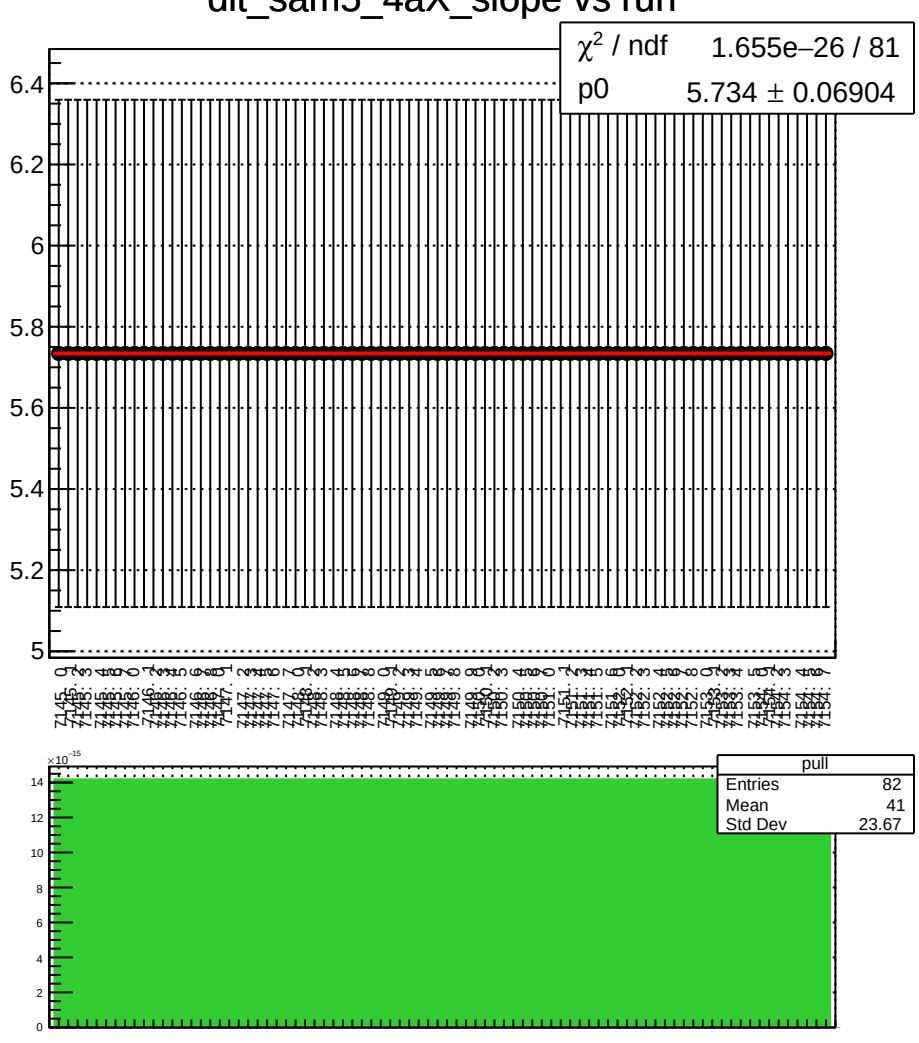

dit_sam4_4eX_slope vs run
χ^2 / ndf 1.882e−24 / 81
p0 −166.8 ± 0.2694
−164
−165
−166
−167
−168
−169
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

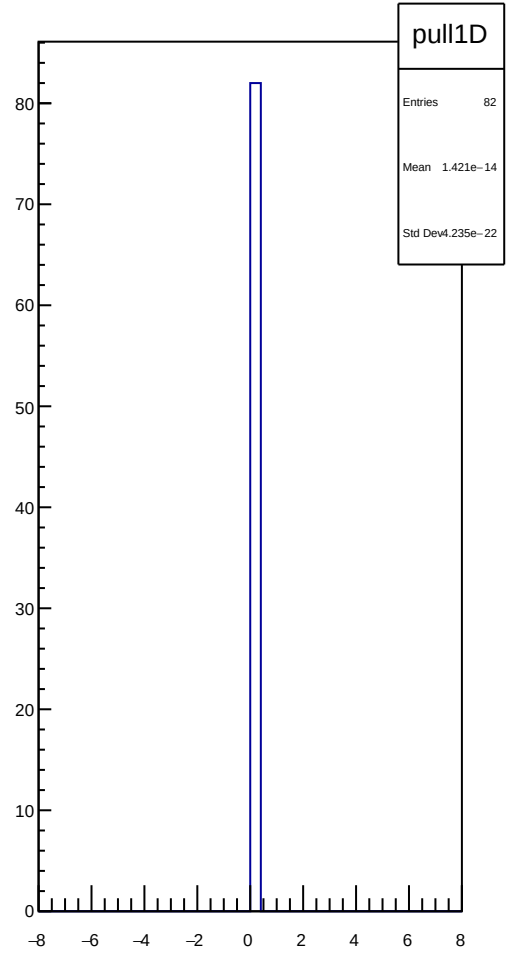

pull1D
Entries 82
Mean 1.515e−13
Std Dev9.732e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

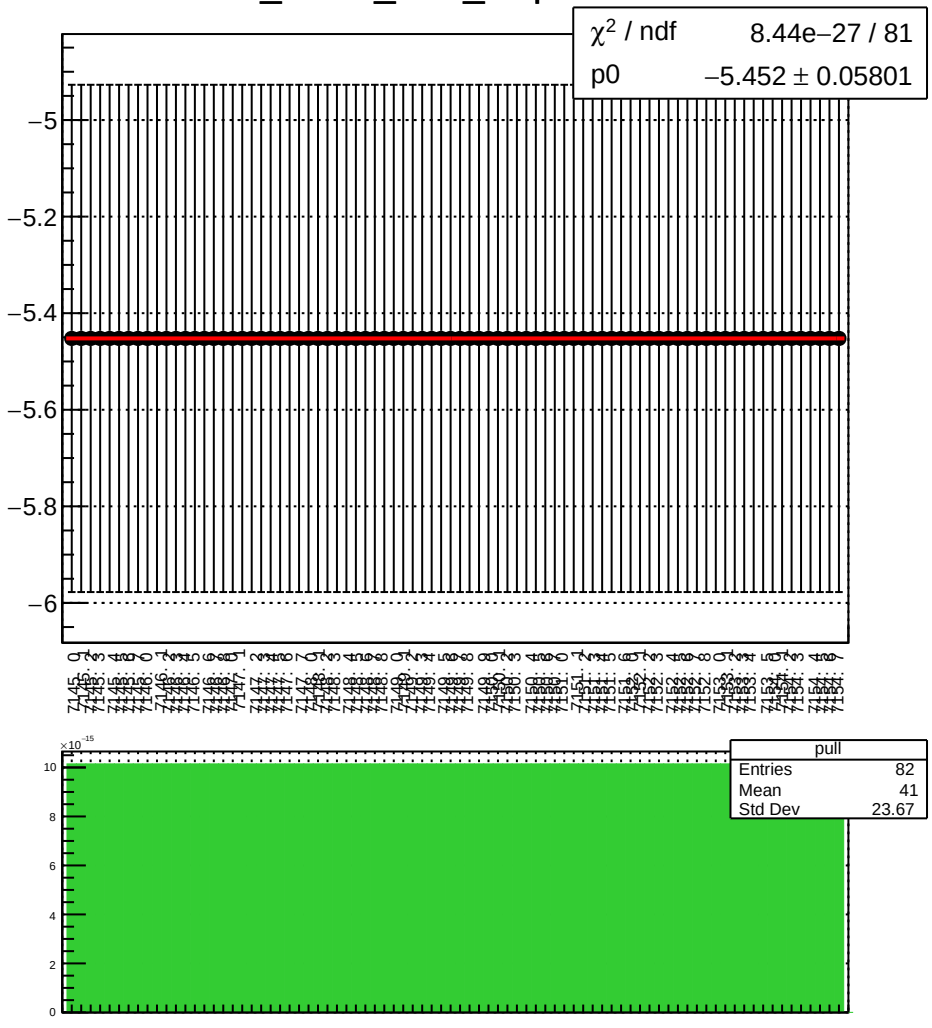

dit_sam4_11X12X_slope vs run
χ² / ndf 1.414e−27 / 81
p0 0.4957 ± 0.007381
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 82
Mean −4.153e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

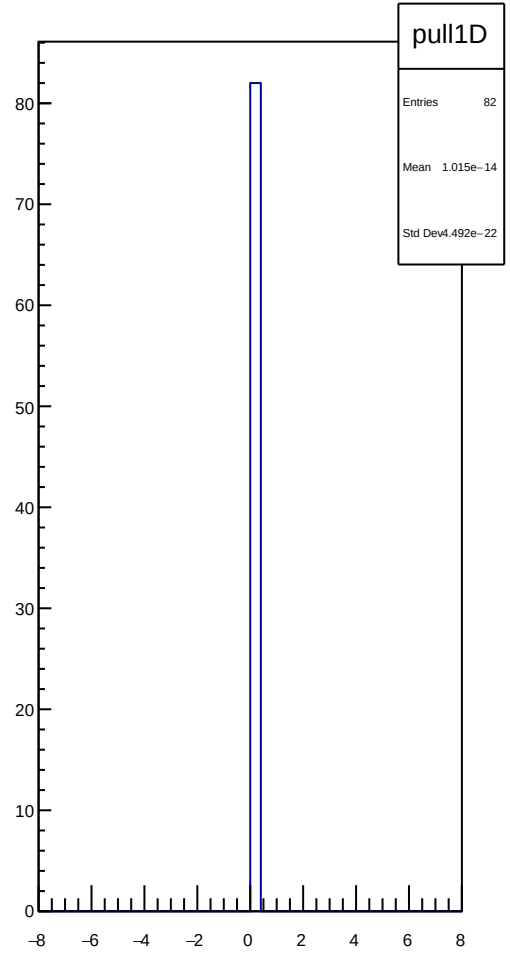

dit_sam4_4aY_slope vs run
χ² / ndf 8.185e−27 / 81
p0 −12.35 ± 0.03927
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean −9.991e−15
Std Dev2.118e−22

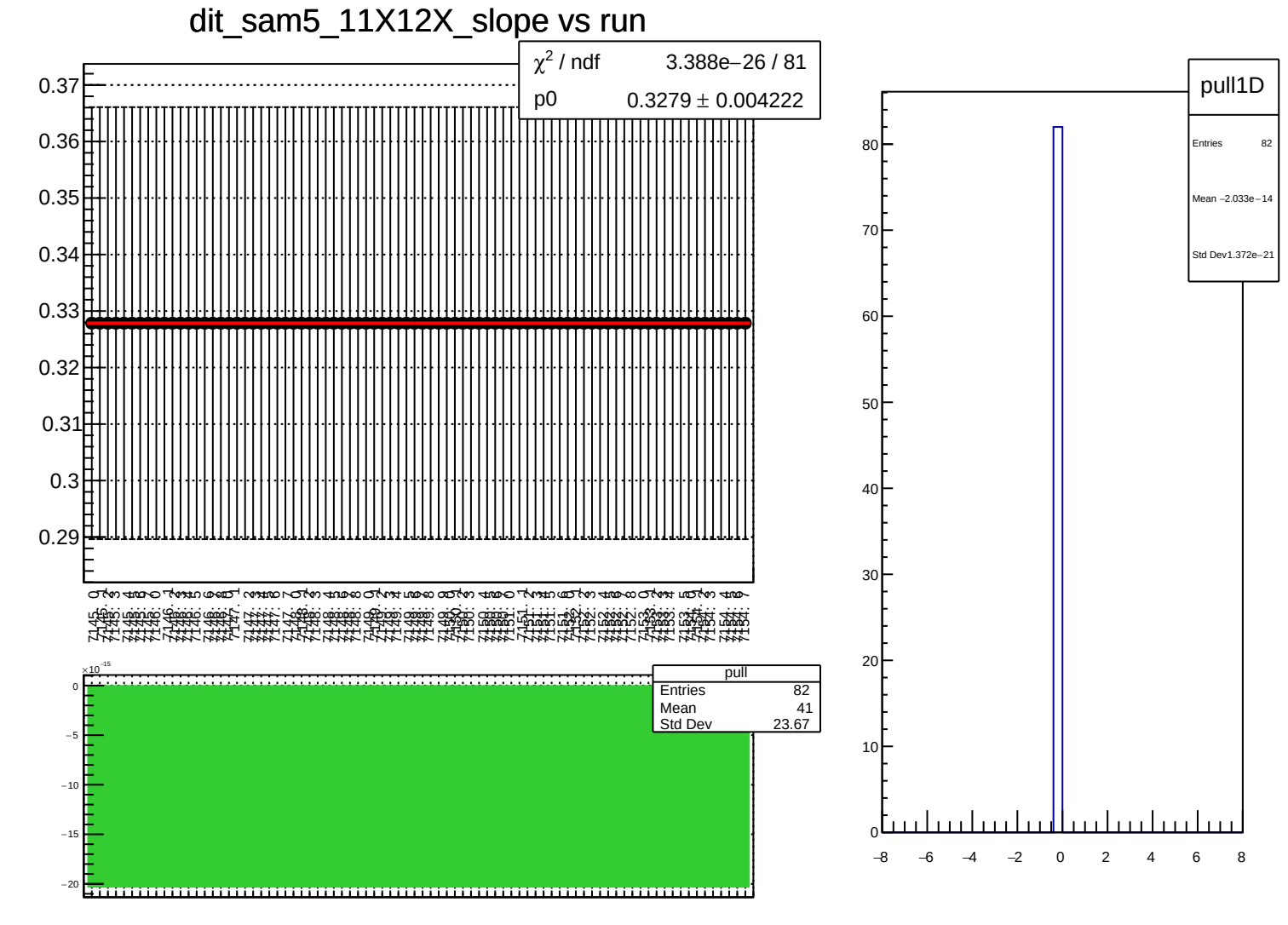

dit_sam4_4eY_slope vs run
χ^2 / ndf 5.554e−23 / 81
p0 225.3 ± 0.0839
226
225.8
225.6
225.4
225.2
225
224.8
224.6
224.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 82
Mean −8.23e−13
Std Dev2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

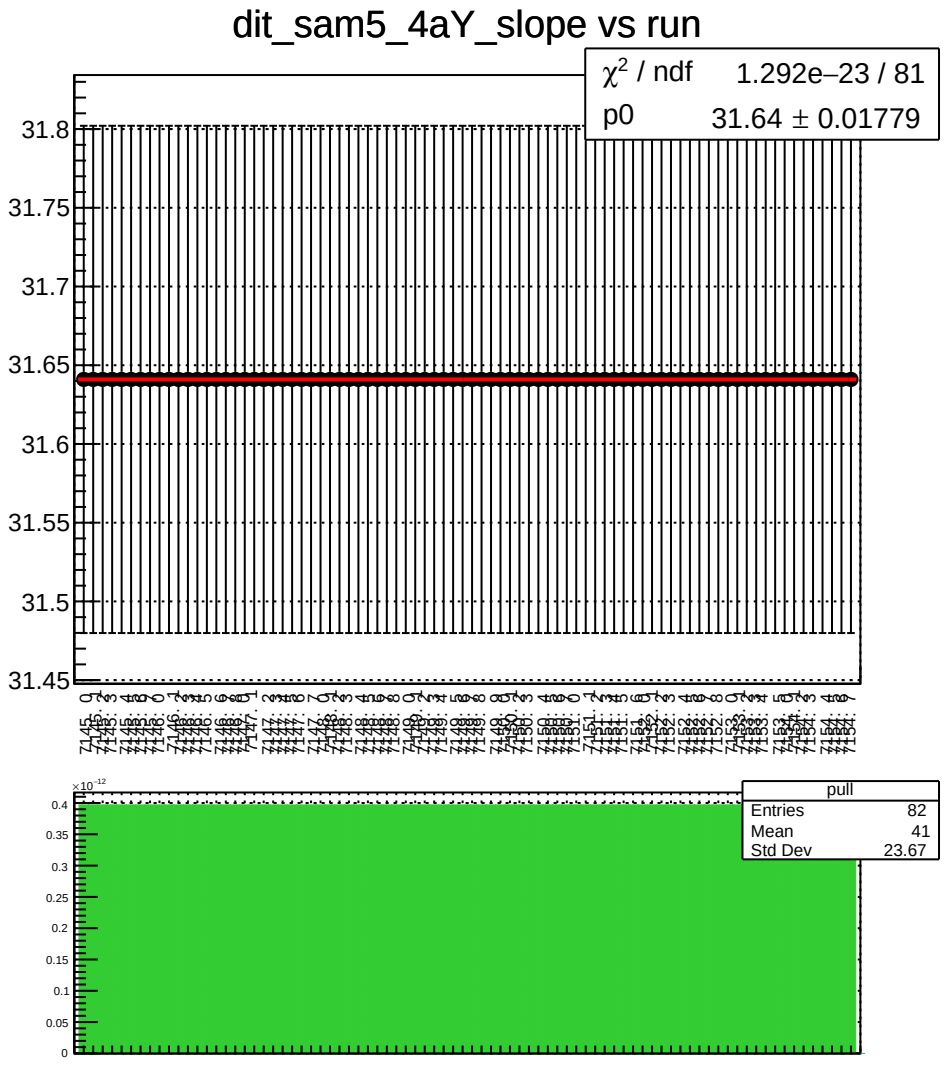

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.655e−26 / 81
p0 5.734 ± 0.06904
pull
Entries 82
Mean 41
Std Dev 23.67

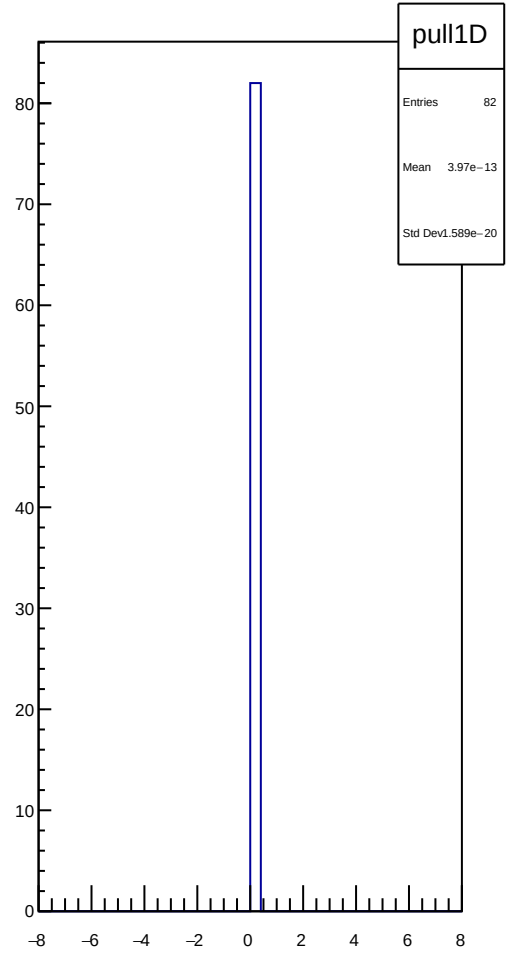

pull1D
Entries 82
Mean 1.421e−14
Std Dev4.235e−22

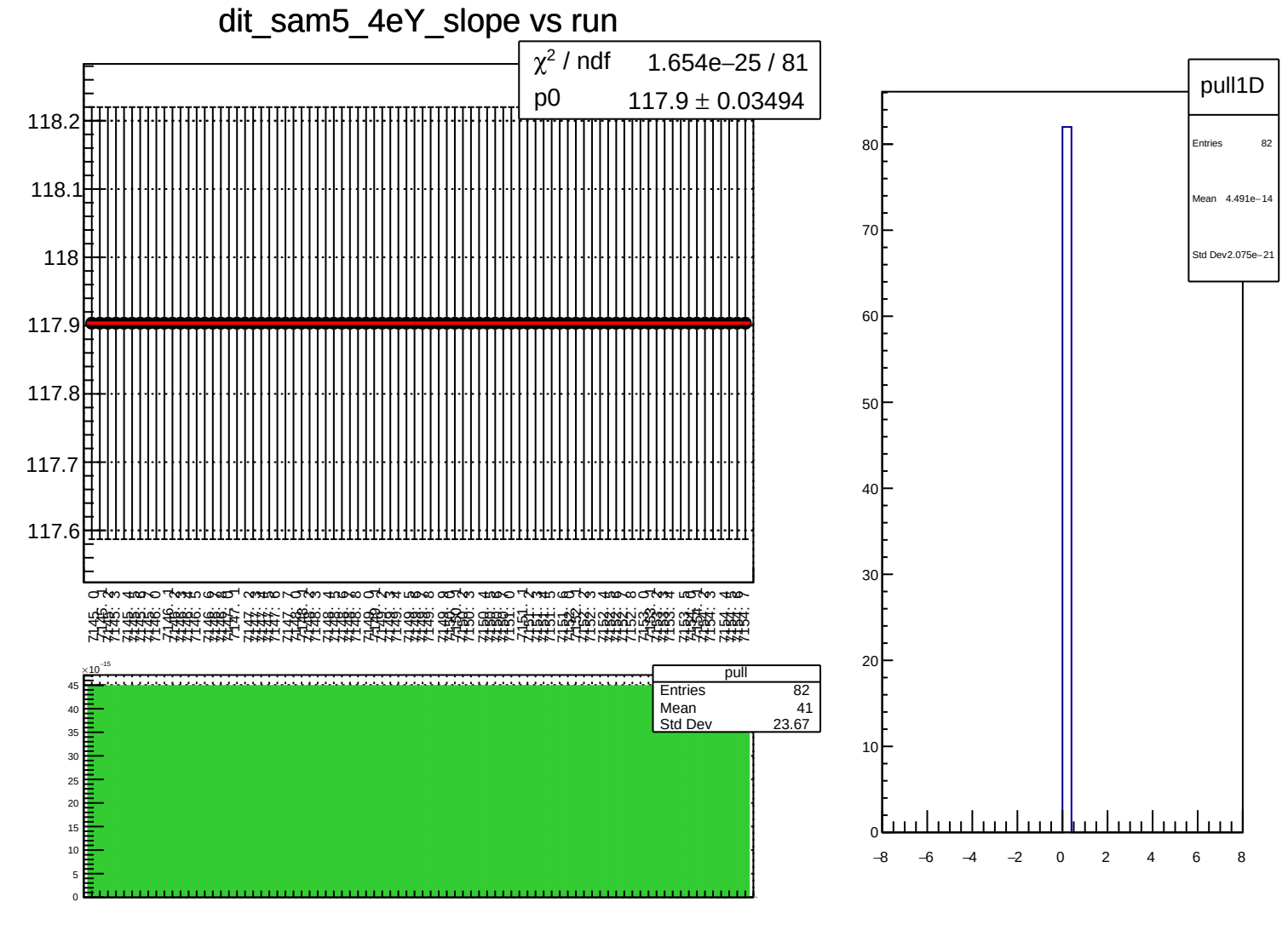

dit_sam5_4eX_slope vs run
χ² / ndf 8.44e−27 / 81
p0 −5.452 ± 0.05801
−5
−5.2
−5.4
−5.6
−5.8
−6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
10
8
6
4
2
0

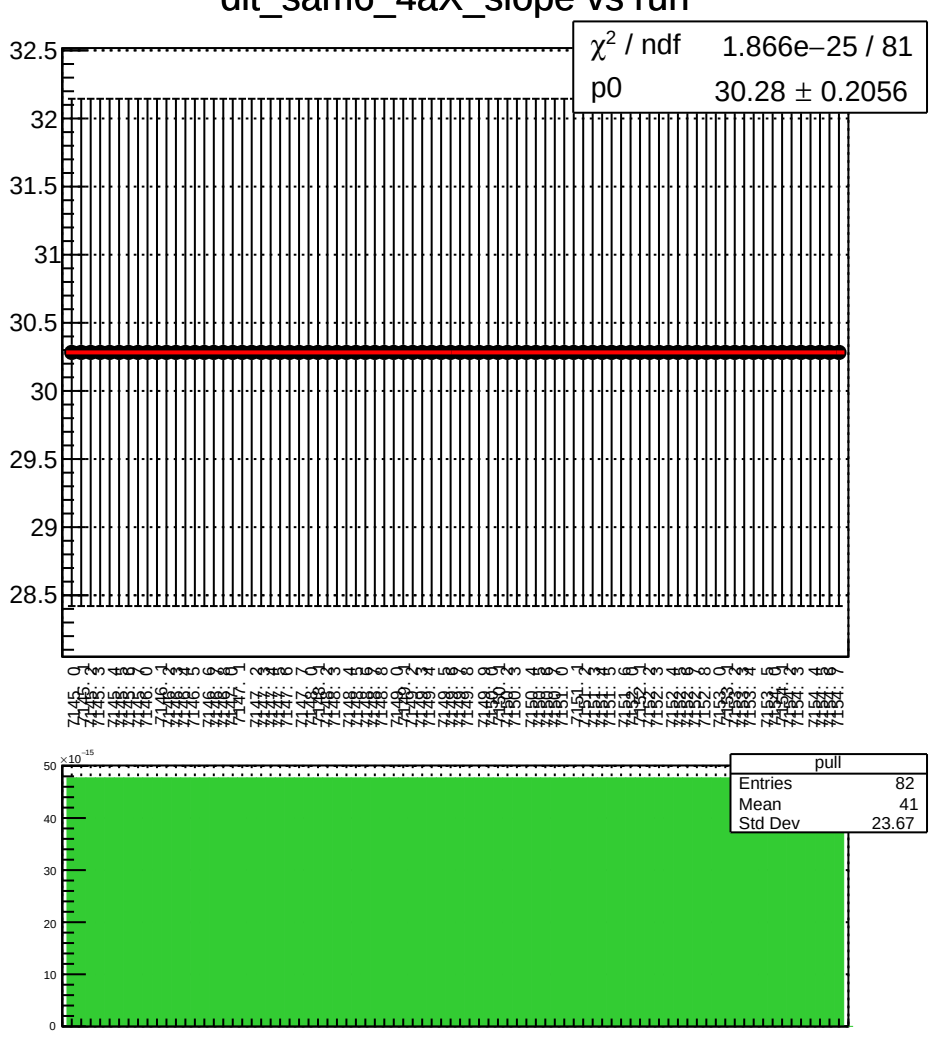

pull1D
Entries 82
Mean 1.015e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

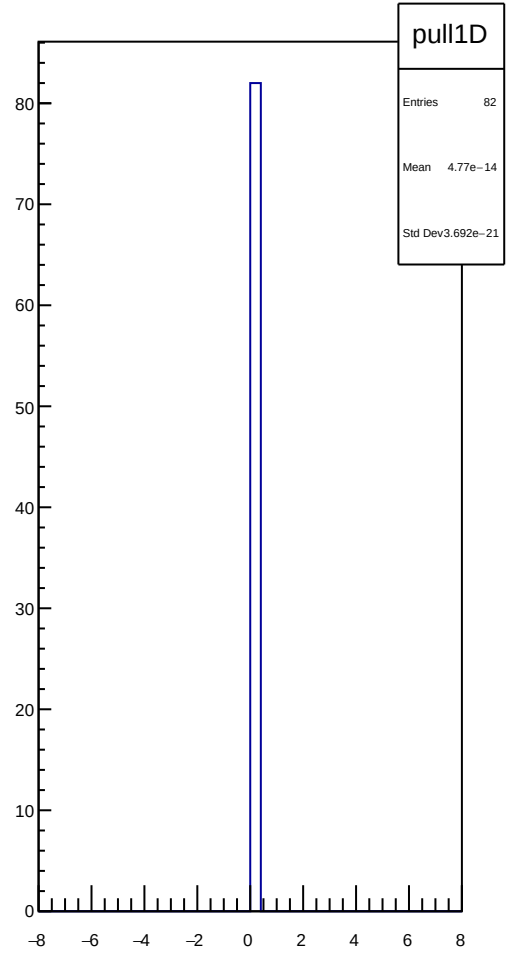

dit_sam5_11X12X_slope vs run
χ² / ndf 3.388e−26 / 81
p0 0.3279 ± 0.004222
0.37
0.36
0.35
0.34
0.33
0.32
0.31
0.3
0.29
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 82
Mean −2.033e−14
Std Dev1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

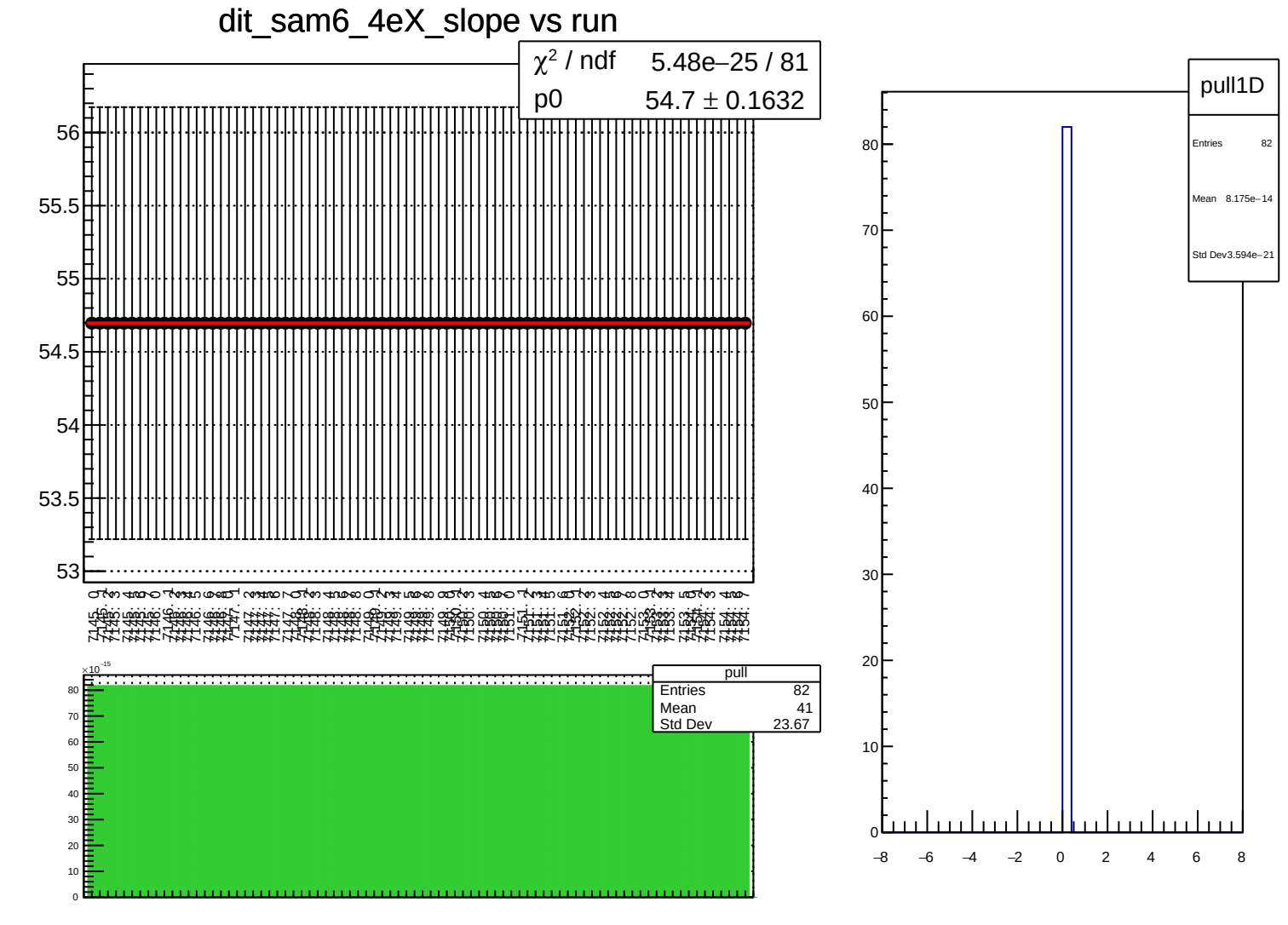

dit_sam5_4aY_slope vs run
χ² / ndf 1.292e−23 / 81
p0 31.64 ± 0.01779
31.8
31.75
31.7
31.65
31.6
31.55
31.5
31.45
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

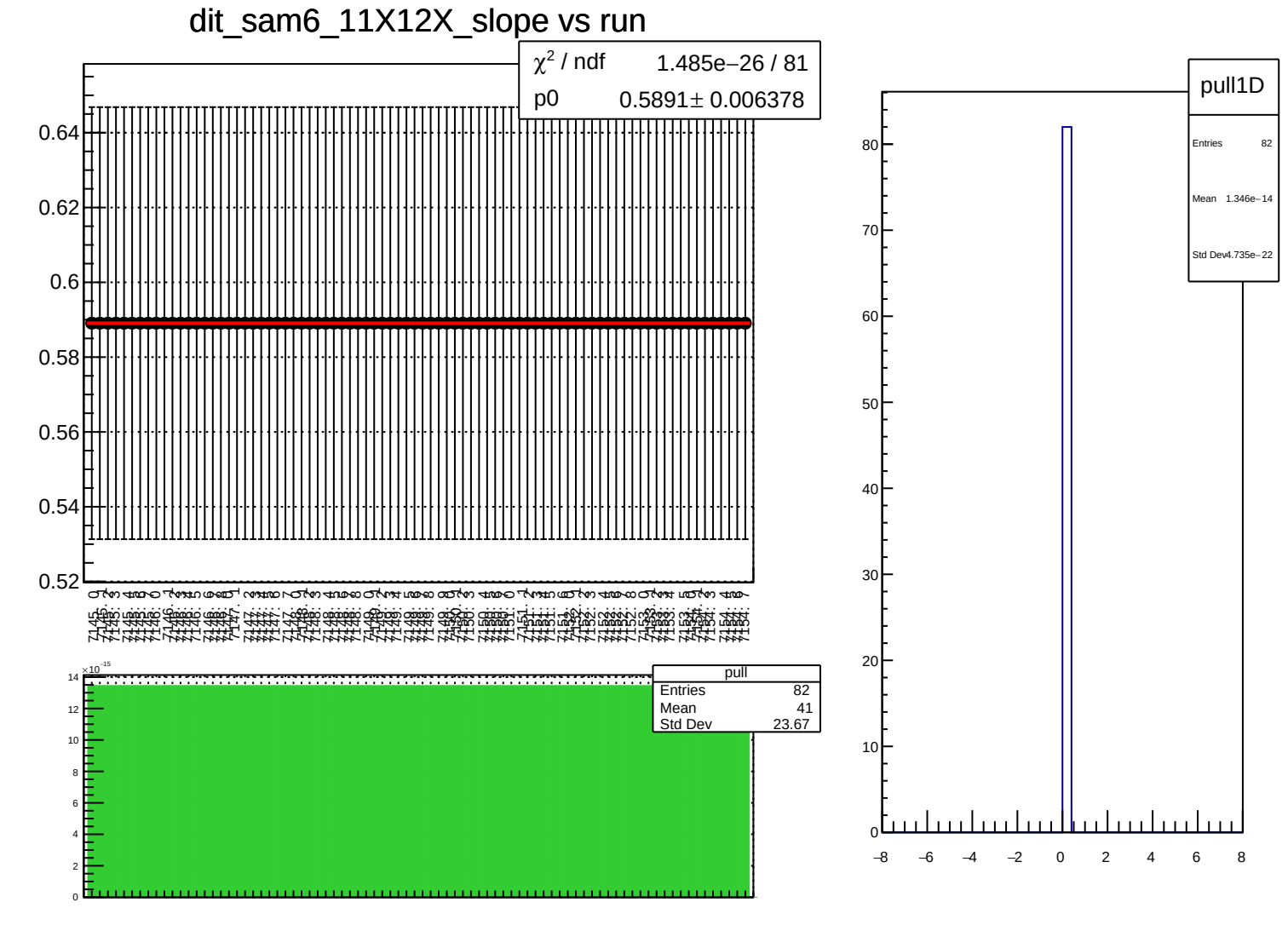

pull1D
Entries 82
Mean 3.97e−13
Std Dev 1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

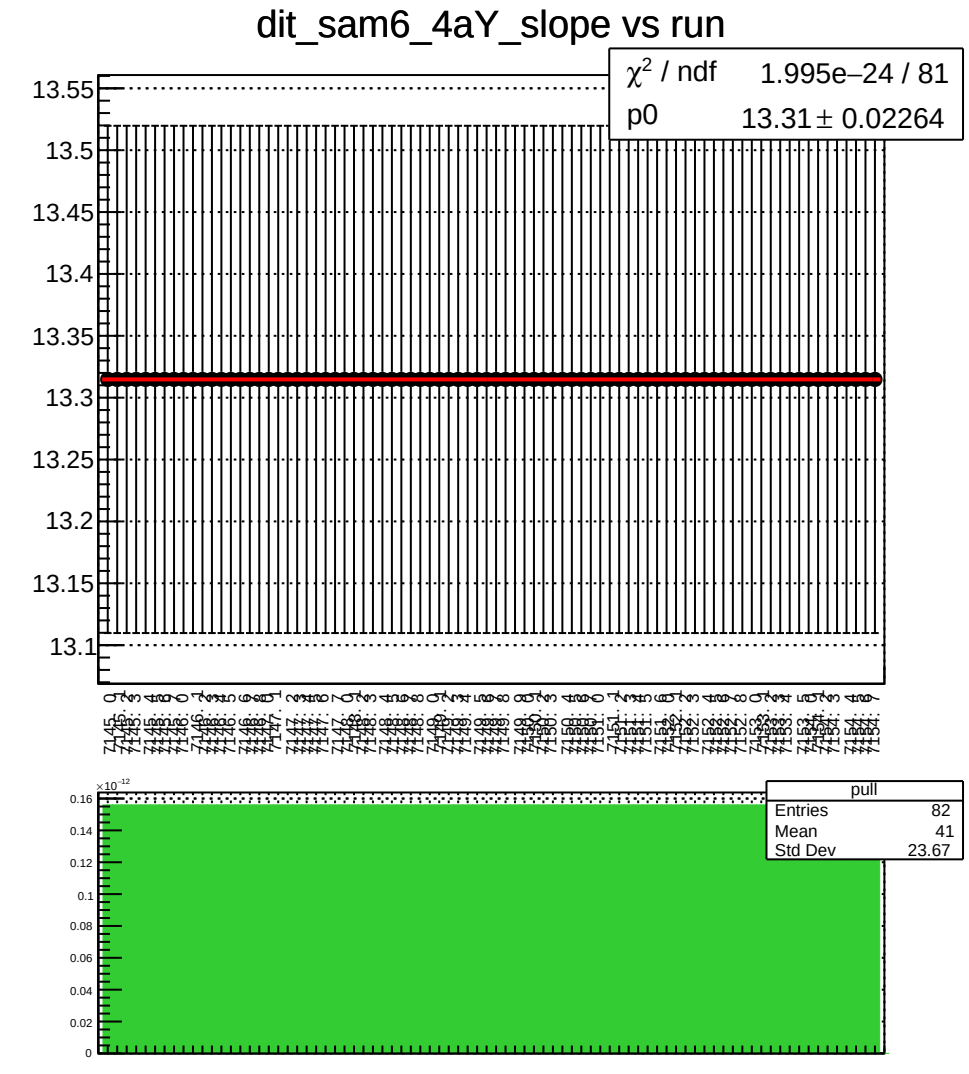

dit_sam5_4eY_slope vs run
χ² / ndf 1.654e−25 / 81
p0 117.9 ± 0.03494
118.2
118.1
118
117.9
117.8
117.7
117.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
pull1D
Entries 82
Mean 4.491e−14
Std Dev2.075e−21

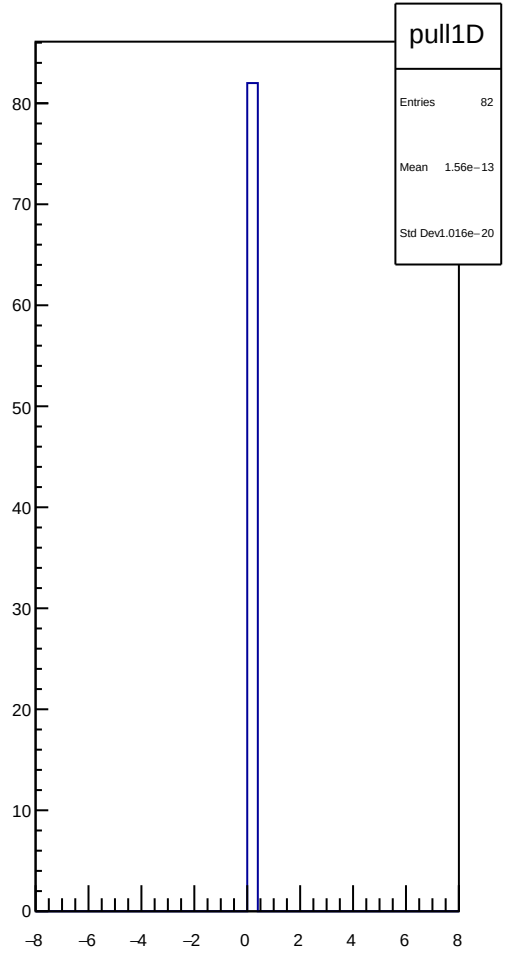

dit_sam6_4aX_slope vs run
χ² / ndf 1.866e−25 / 81
p0 30.28 ± 0.2056
pull
Entries 82
Mean 41
Std Dev 23.67

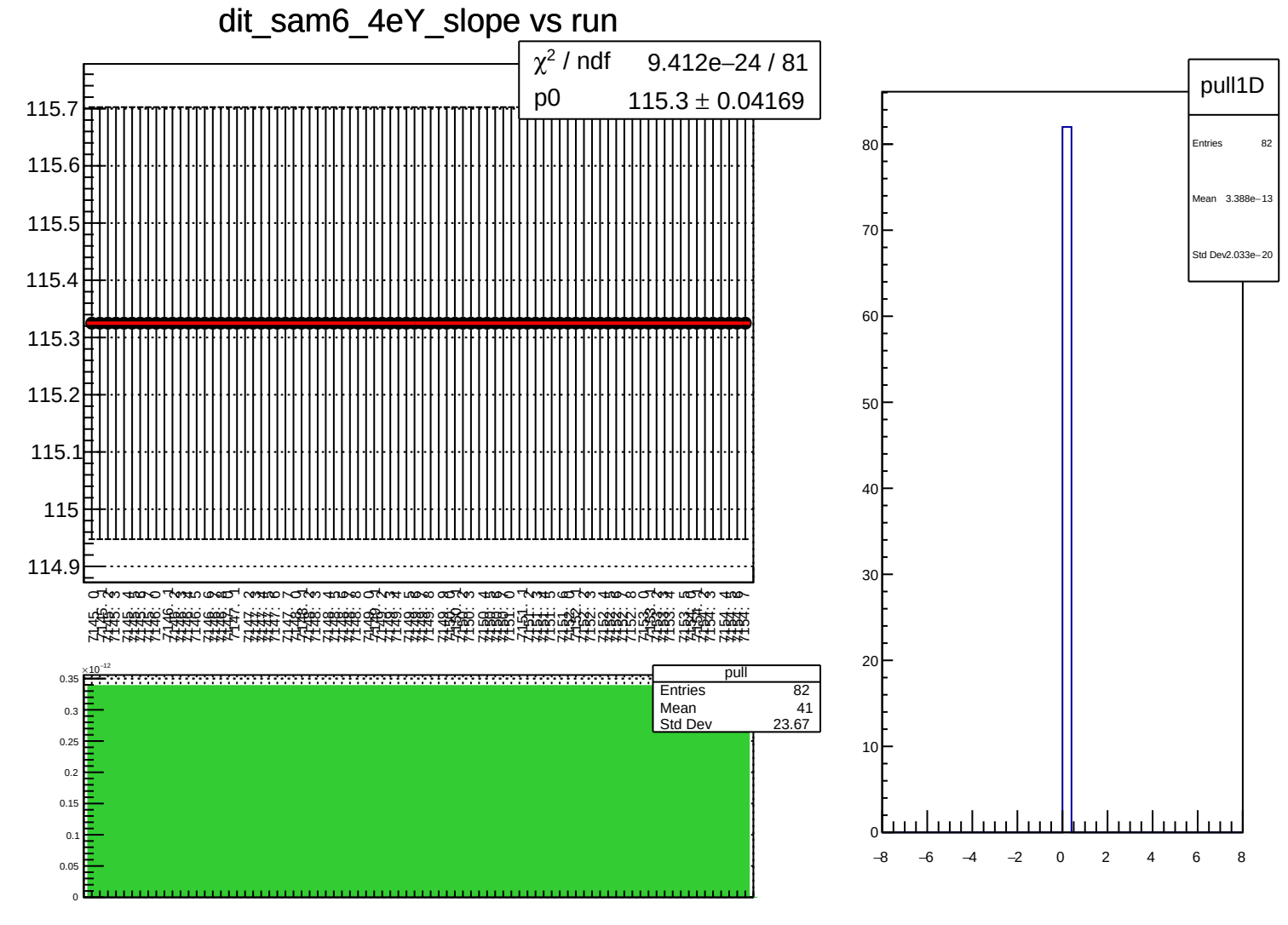

pull1D
Entries 82
Mean 4.77e−14
Std Dev3.692e−21

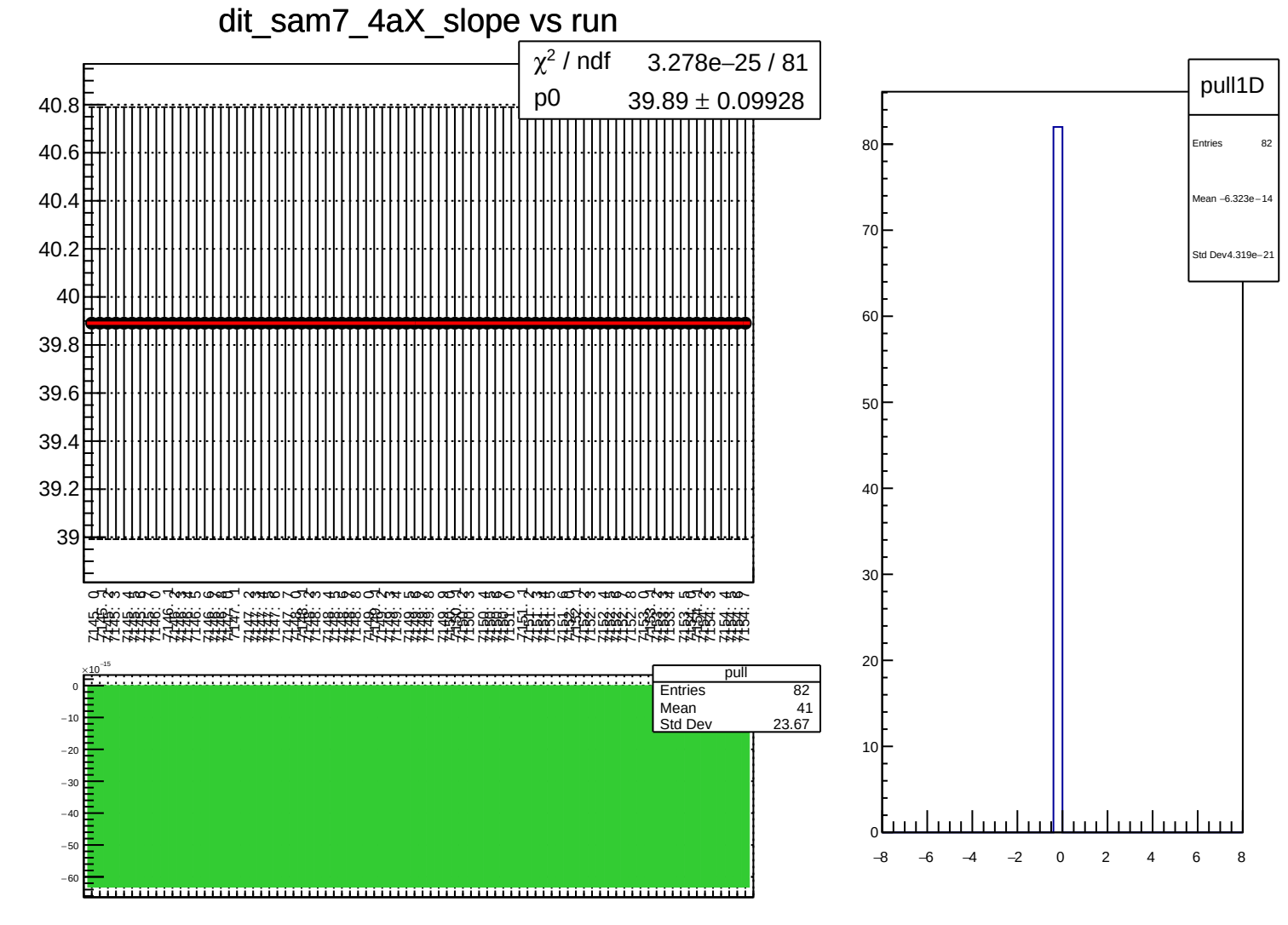

dit_sam6_4eX_slope vs run
χ² / ndf 5.48e−25 / 81
p0 54.7 ± 0.1632
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 8.175e−14
Std Dev3.594e−21

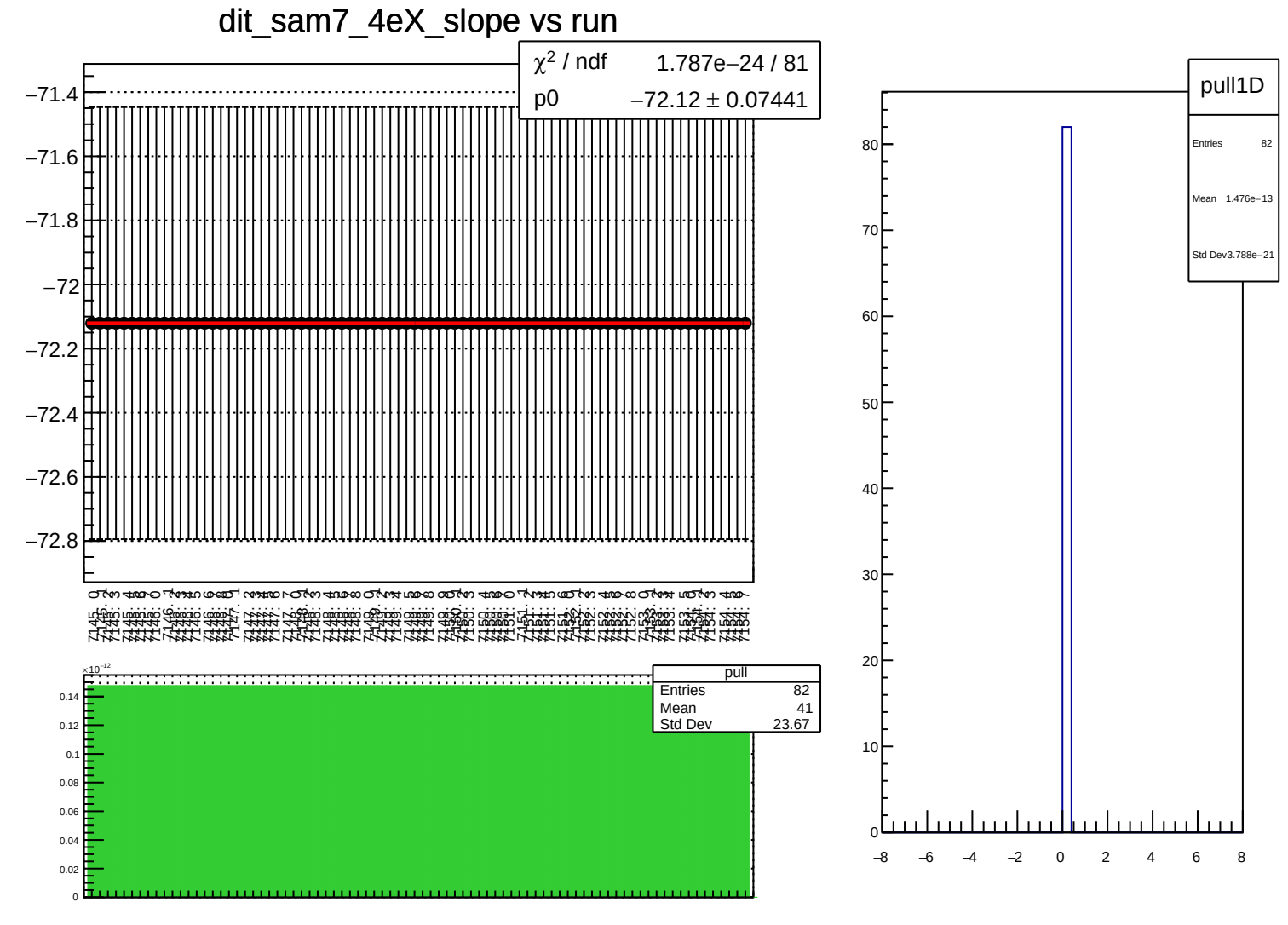

dit_sam6_11X12X_slope vs run
χ² / ndf 1.485e−26 / 81
p0 0.5891± 0.006378
0.64
0.62
0.6
0.58
0.56
0.54
0.52
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 82
Mean 1.346e−14
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

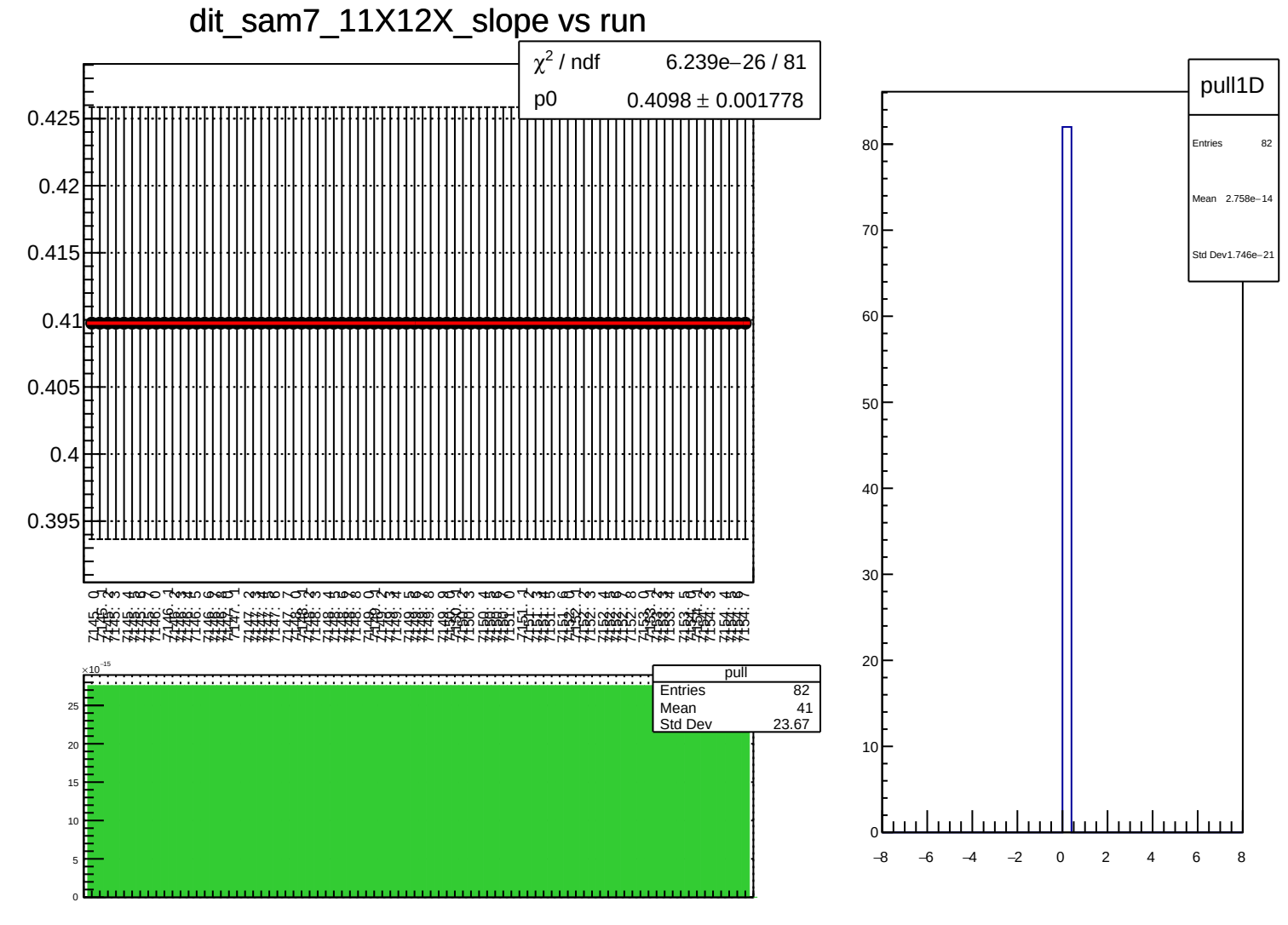

dit_sam6_4aY_slope vs run
χ² / ndf 1.995e−24 / 81
p0 13.31 ± 0.02264
13.55
13.5
13.45
13.4
13.35
13.3
13.25
13.2
13.15
13.1
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

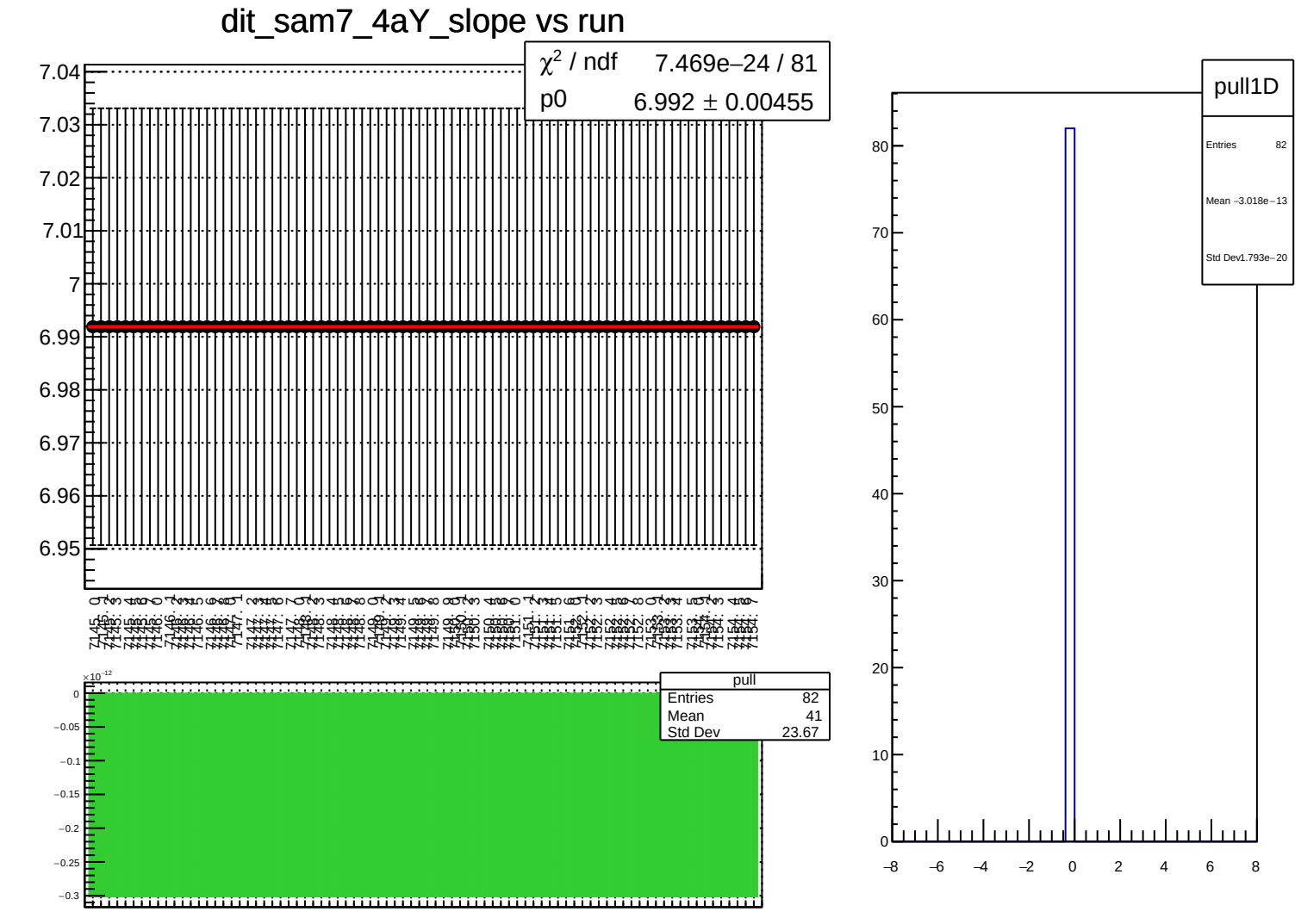

pull1D
Entries 82
Mean 1.56e−13
Std Dev 1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

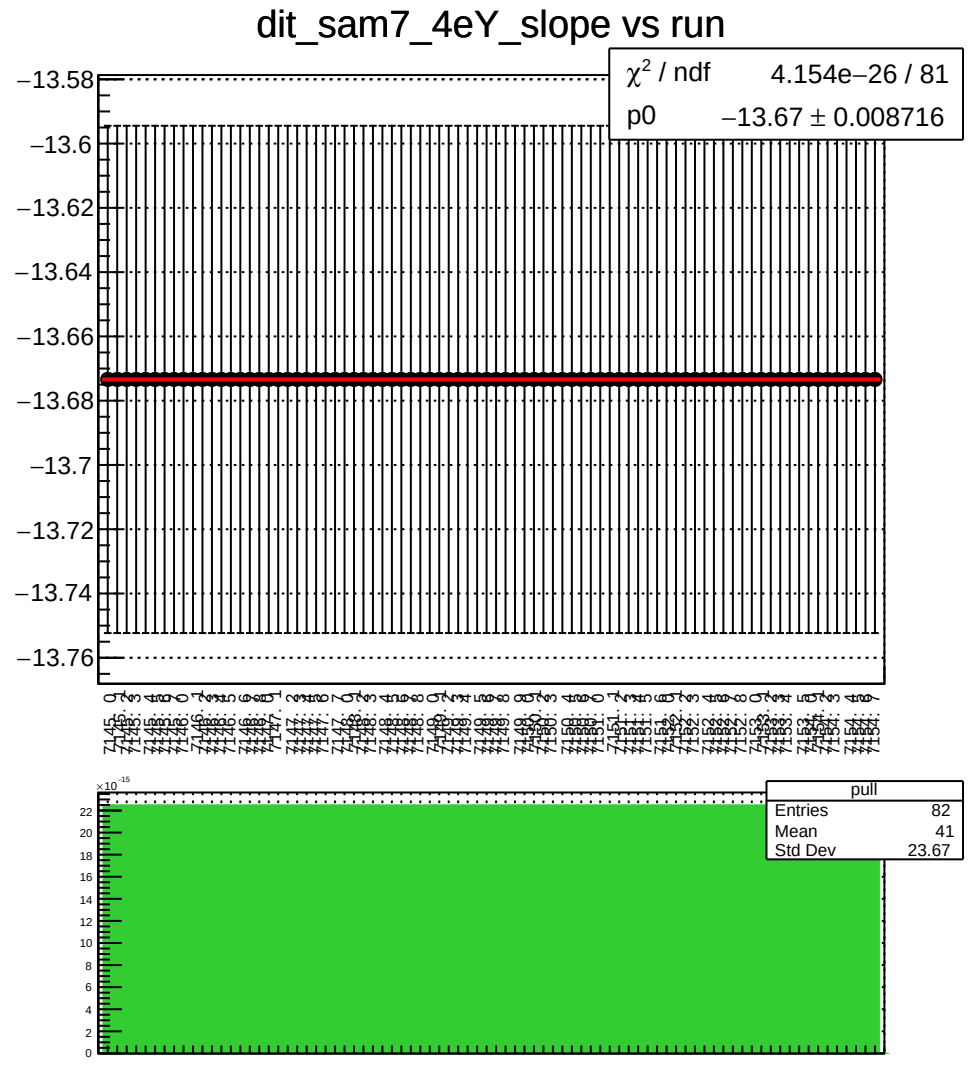

dit_sam6_4eY_slope vs run
χ² / ndf 9.412e−24 / 81
p0 115.3 ± 0.04169
115.7
115.6
115.5
115.4
115.3
115.2
115.1
115
114.9
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 82
Mean 3.388e−13
Std Dev2.033e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

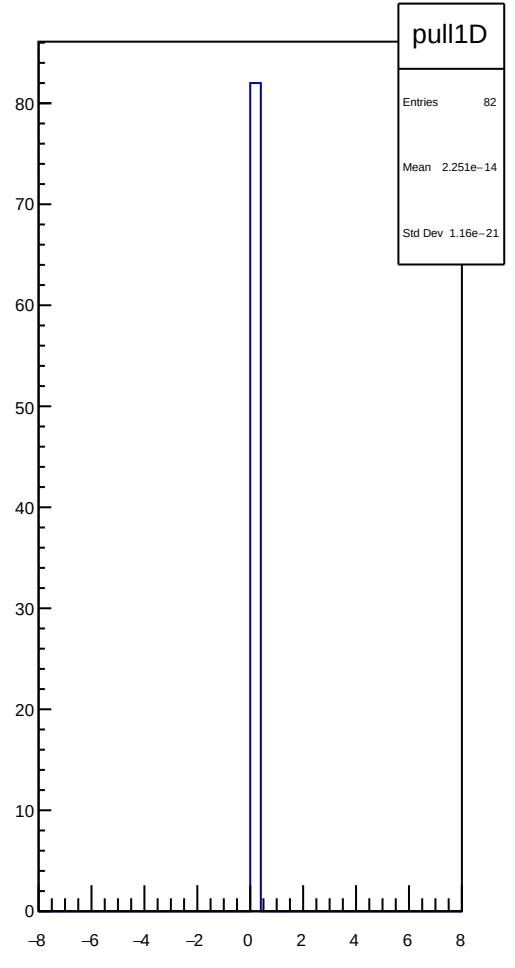

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.278e−25 / 81
p0 39.89 ± 0.09928
40.8
40.6
40.4
40.2
40
39.8
39.6
39.4
39.2
39
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 82
Mean −6.323e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

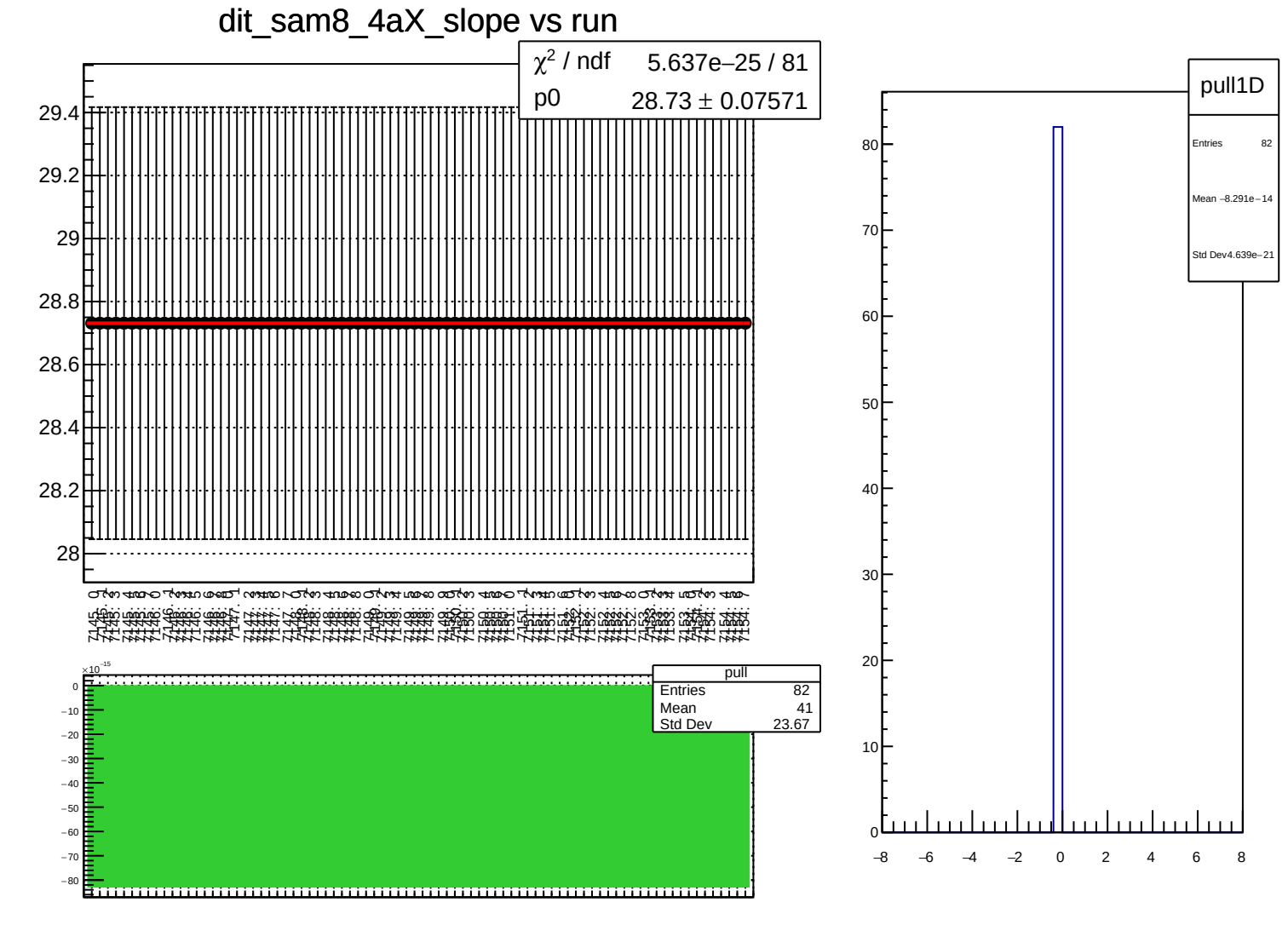

dit_sam7_4eX_slope vs run
χ² / ndf 1.787e−24 / 81
p0 −72.12 ± 0.07441
−71.4
−71.6
−71.8
−72
−72.2
−72.4
−72.6
−72.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 82
Mean 1.476e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

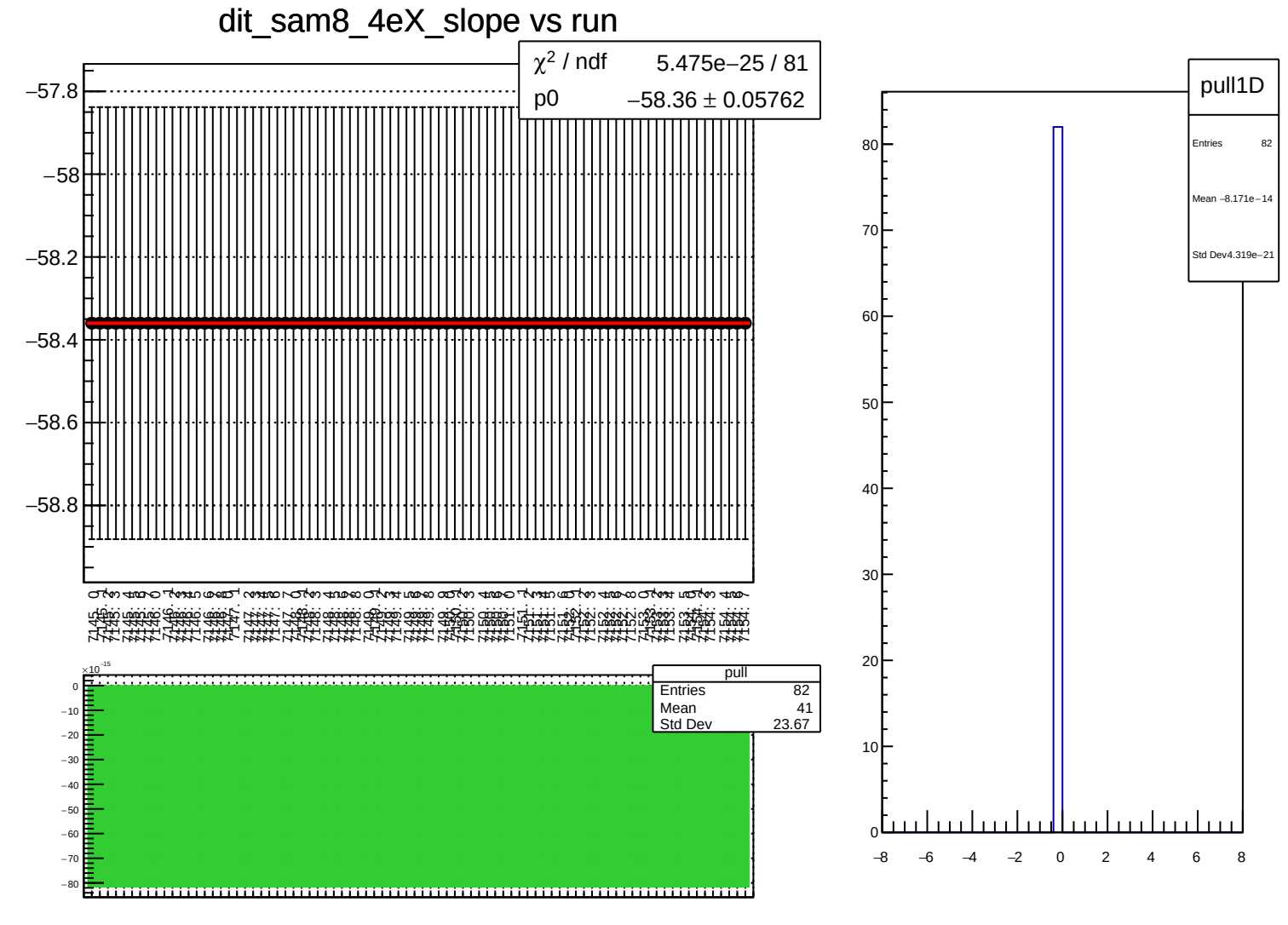

dit_sam7_11X12X_slope vs run
χ² / ndf 6.239e−26 / 81
p0 0.4098 ± 0.001778
0.425
0.42
0.415
0.41
0.405
0.4
0.395
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 82
Mean 2.758e−14
Std Dev 1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

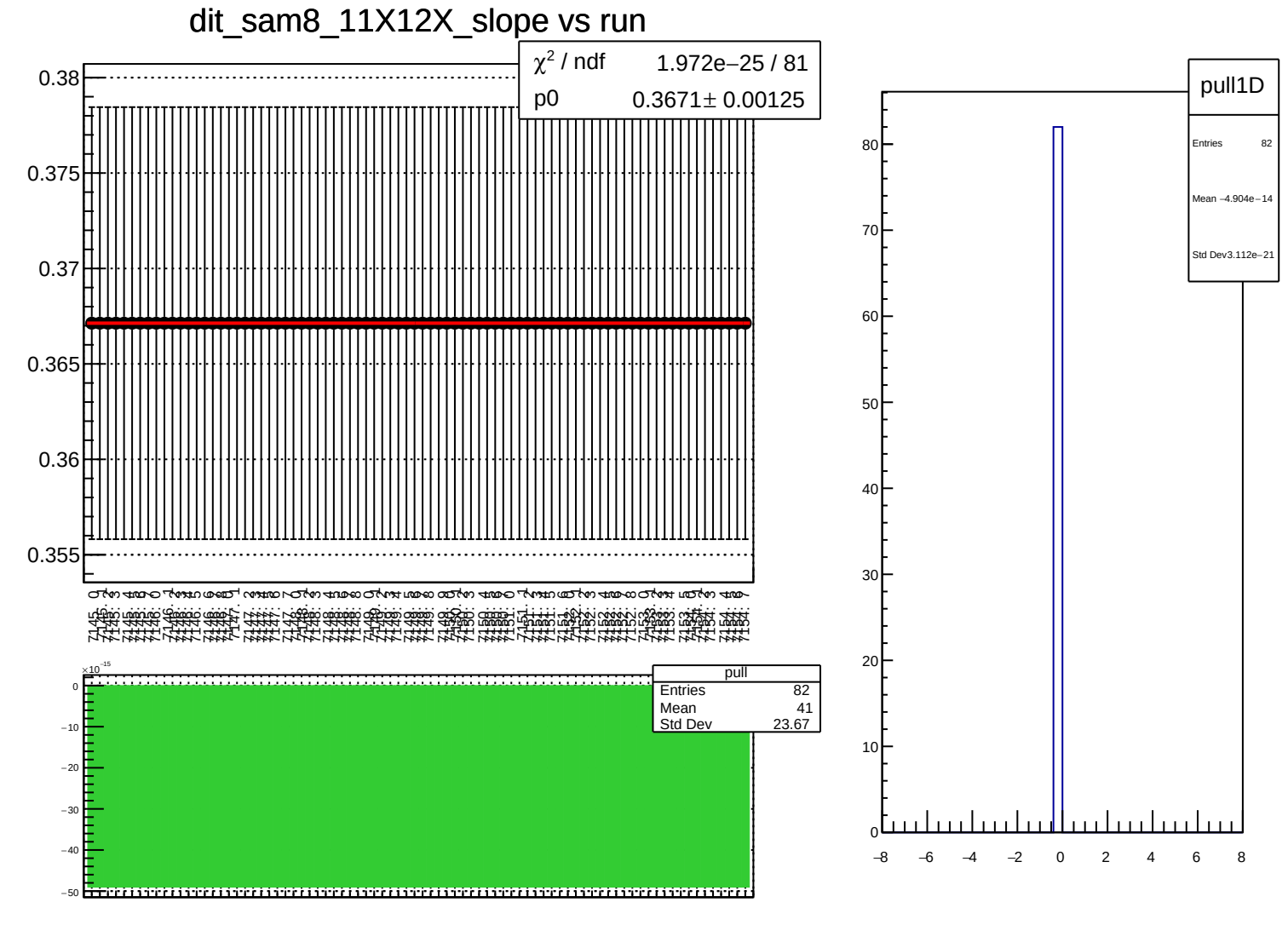

dit_sam7_4aY_slope vs run
χ² / ndf 7.469e−24 / 81
p0 6.992 ± 0.00455
7.04
7.03
7.02
7.01
7
6.99
6.98
6.97
6.96
6.95
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 82
Mean −3.018e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
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−6
−4
−2
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6
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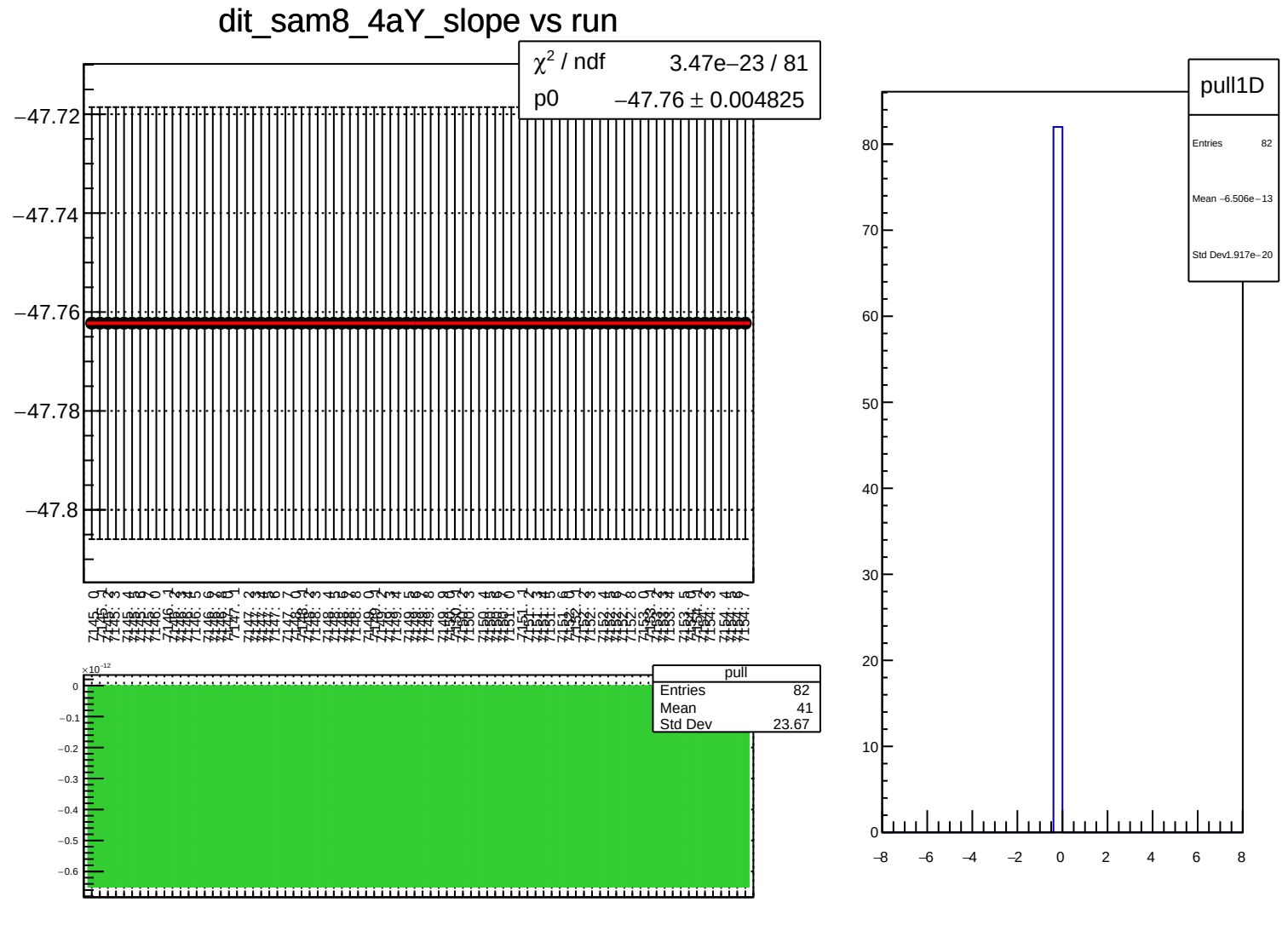

dit_sam7_4eY_slope vs run
χ² / ndf 4.154e−26 / 81
p0 −13.67 ± 0.008716
−13.58
−13.6
−13.62
−13.64
−13.66
−13.68
−13.7
−13.72
−13.74
−13.76
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

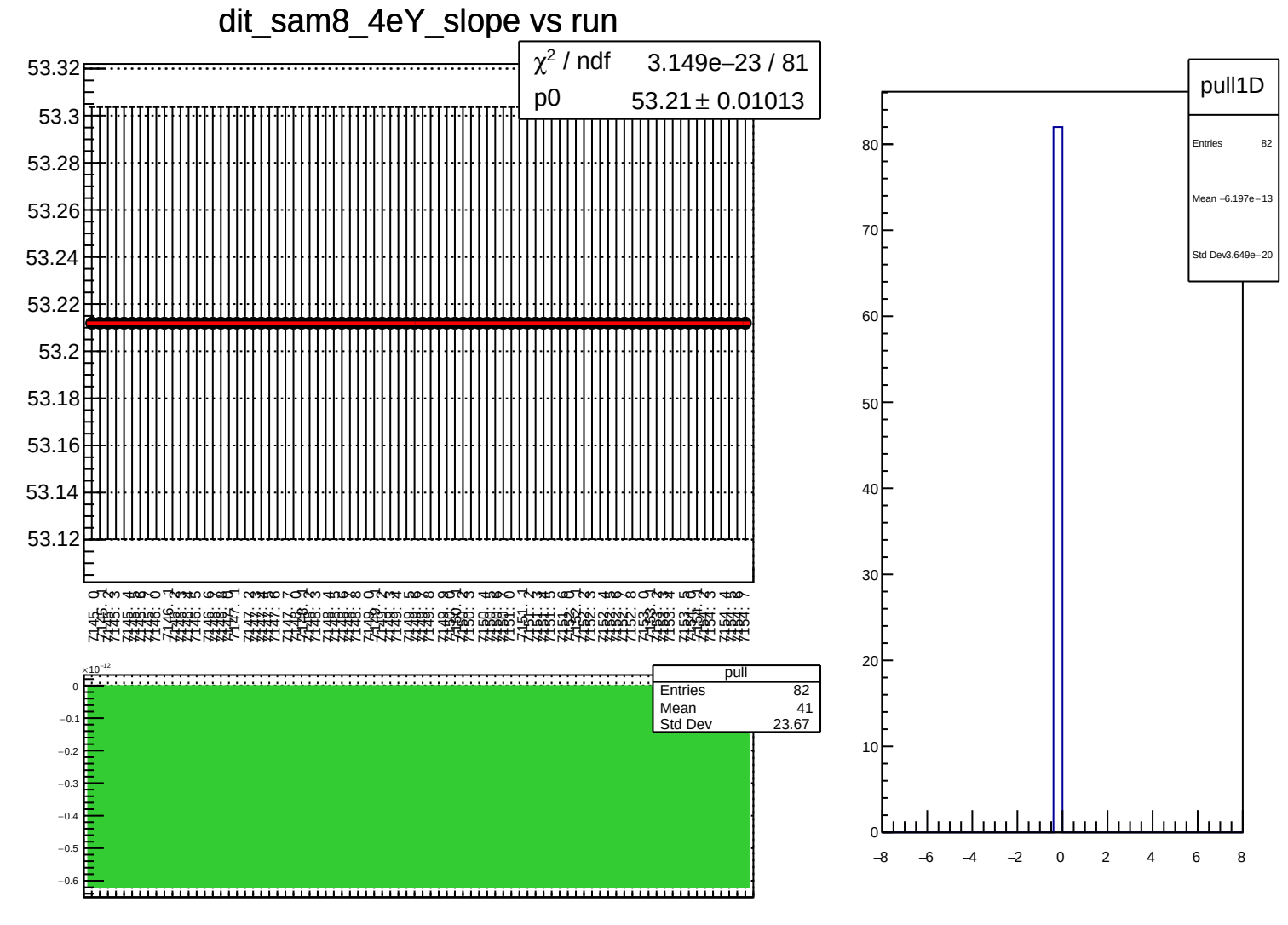

pull1D
Entries 82
Mean 2.251e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

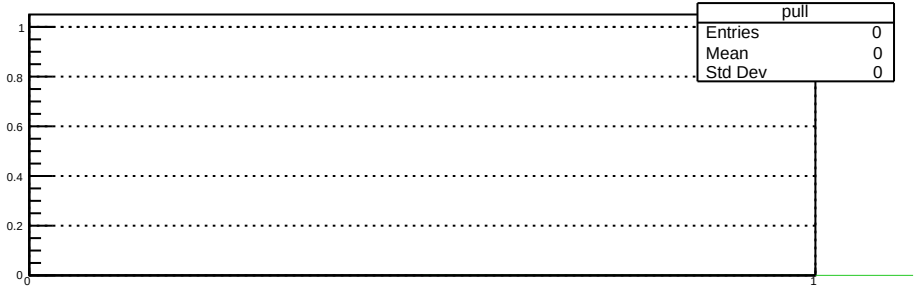

dit_sam8_4aX_slope vs run
χ² / ndf 5.637e−25 / 81
p0 28.73 ± 0.07571
29.4
29.2
29
28.8
28.6
28.4
28.2
28
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 82
Mean −8.291e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

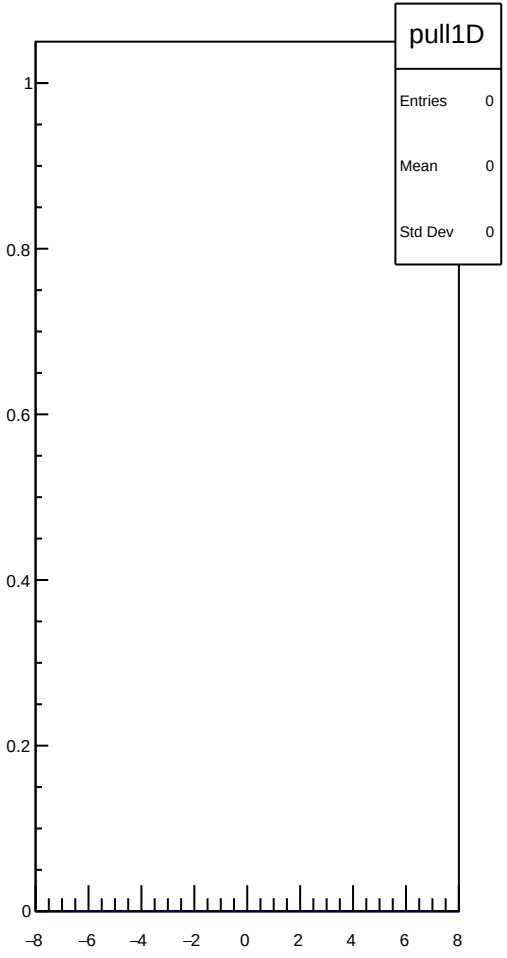

dit_sam8_4eX_slope vs run
χ² / ndf 5.475e−25 / 81
p0 −58.36 ± 0.05762
−57.8
−58
−58.2
−58.4
−58.6
−58.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 82
Mean −8.171e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
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−4
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0
2
4
6
8

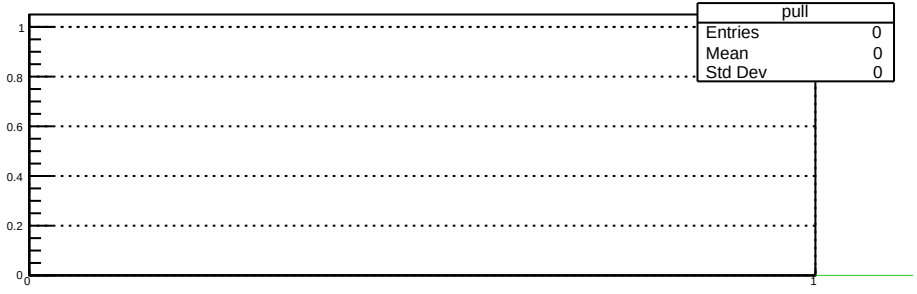

dit_sam8_11X12X_slope vs run
χ² / ndf 1.972e−25 / 81
p0 0.3671± 0.00125
0.38
0.375
0.37
0.365
0.36
0.355
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 82
Mean −4.904e−14
Std Dev3.112e−21
80
70
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50
40
30
20
10
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−4
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2
4
6
8

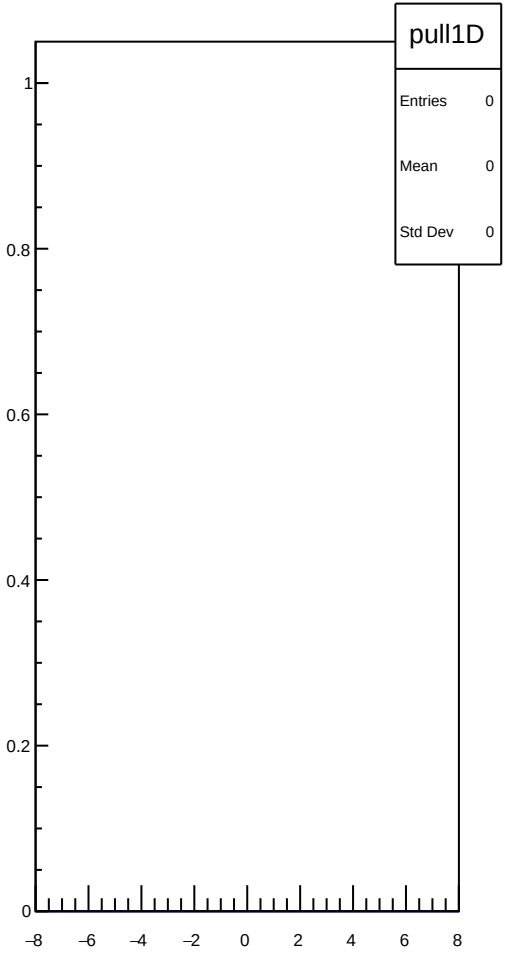

dit_sam8_4aY_slope vs run
χ² / ndf 3.47e−23 / 81
p0 −47.76 ± 0.004825
−47.72
−47.74
−47.76
−47.78
−47.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 82
Mean −6.506e−13
Std Dev1.917e−20
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70
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50
40
30
20
10
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2
4
6
8

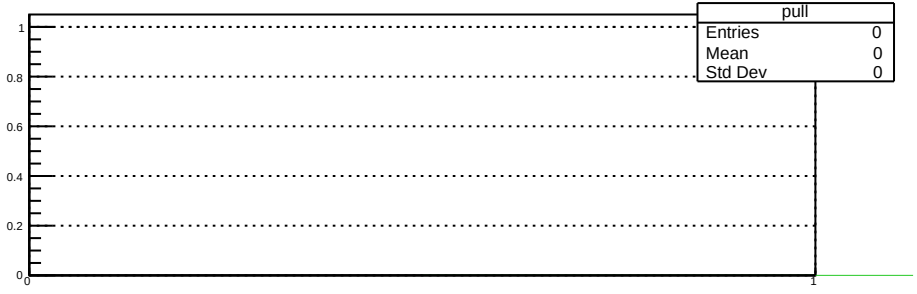

dit_sam8_4eY_slope vs run
χ² / ndf 3.149e−23 / 81
p0 53.21 ± 0.01013
53.32
53.3
53.28
53.26
53.24
53.22
53.2
53.18
53.16
53.14
53.12
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 82
Mean −6.197e−13
Std Dev 3.649e−20
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50
40
30
20
10
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−4
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2
4
6
8

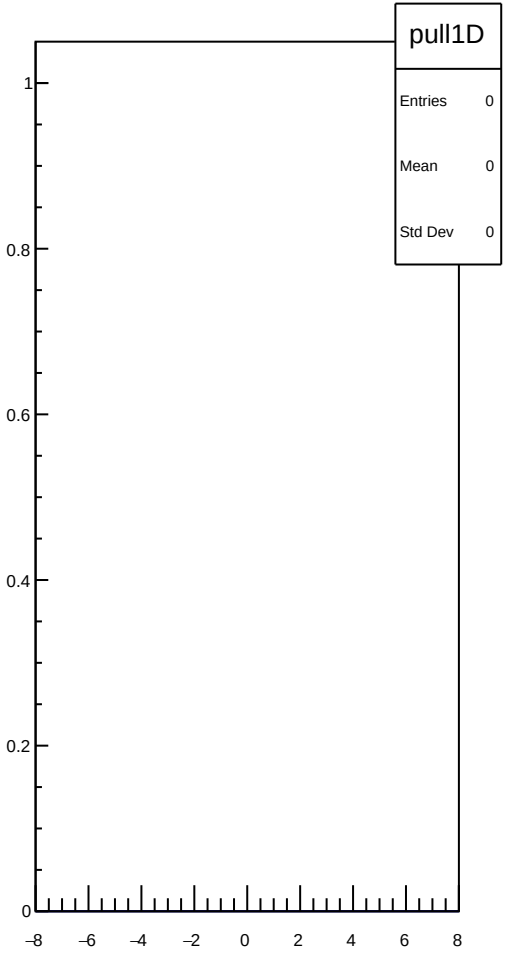

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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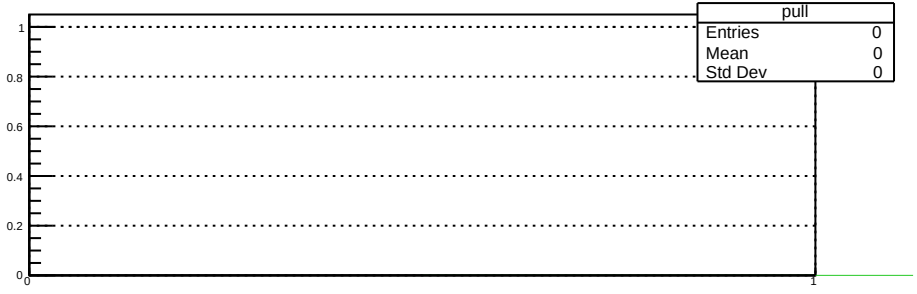

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–2
0
2
4
6
8

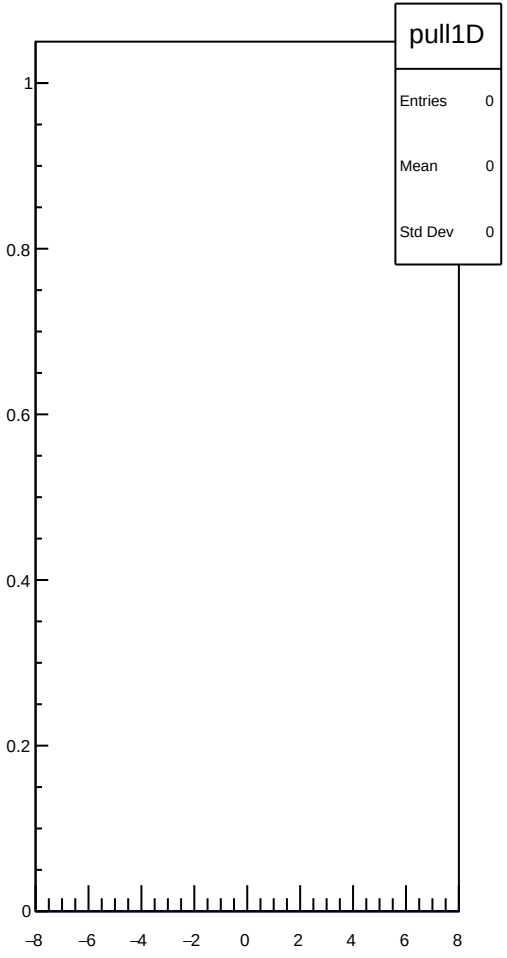

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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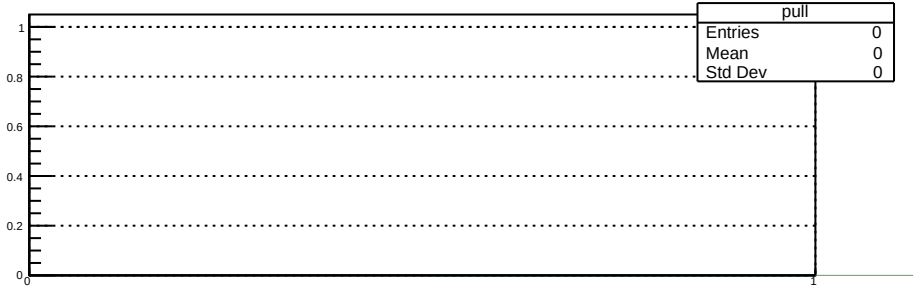

pull1D
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Mean 0
Std Dev 0
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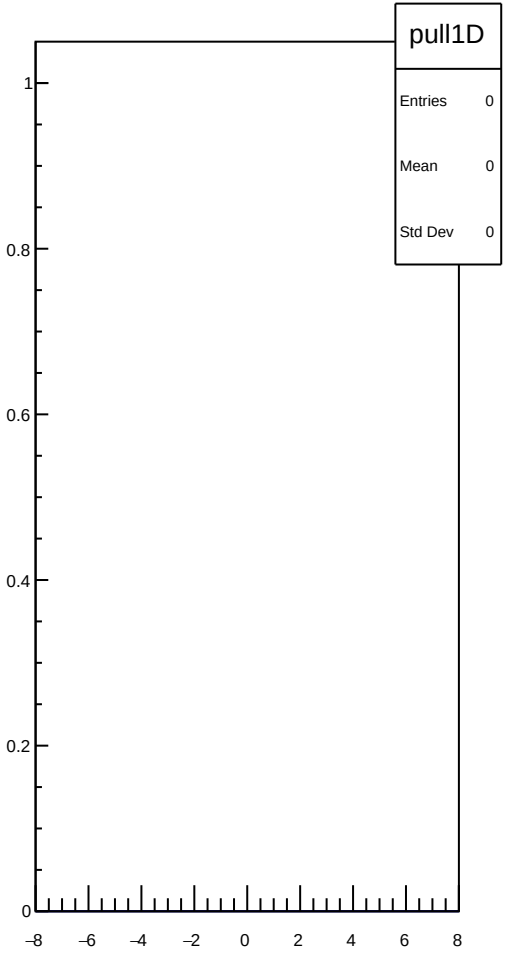

pull
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Mean 0
Std Dev 0
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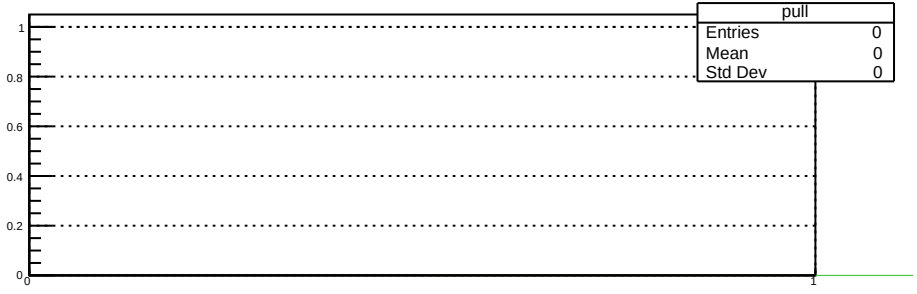

pull1D
Entries 0
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Std Dev 0
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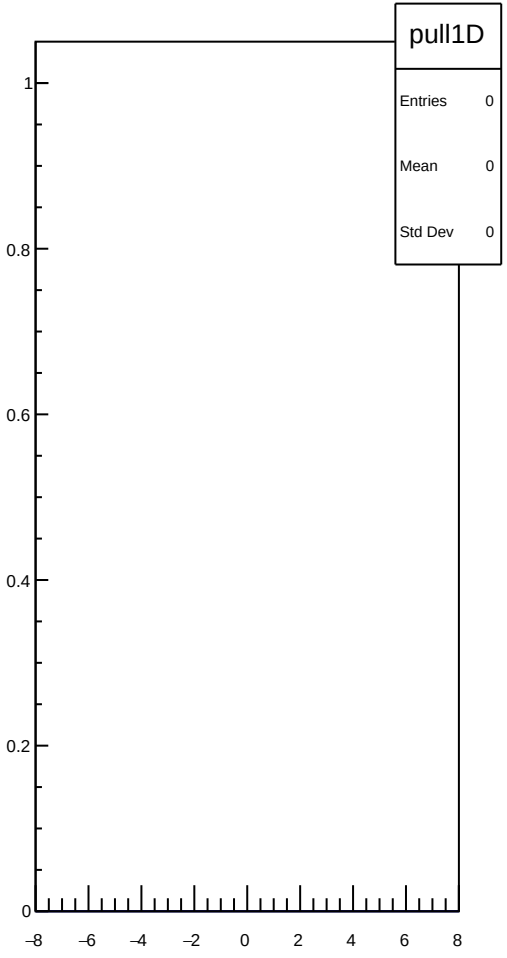

pull
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Mean 0
Std Dev 0
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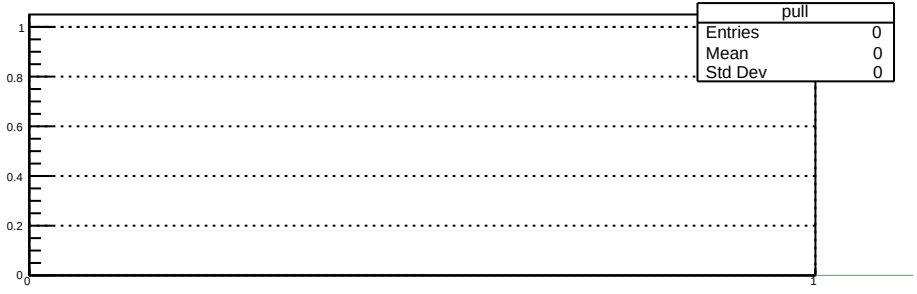

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–2
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2
4
6
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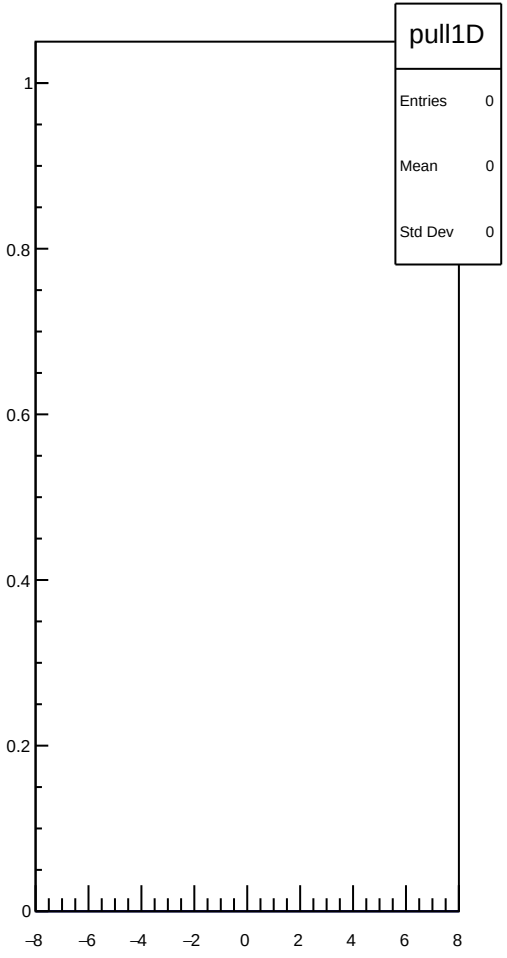

pull
Entries 0
Mean 0
Std Dev 0
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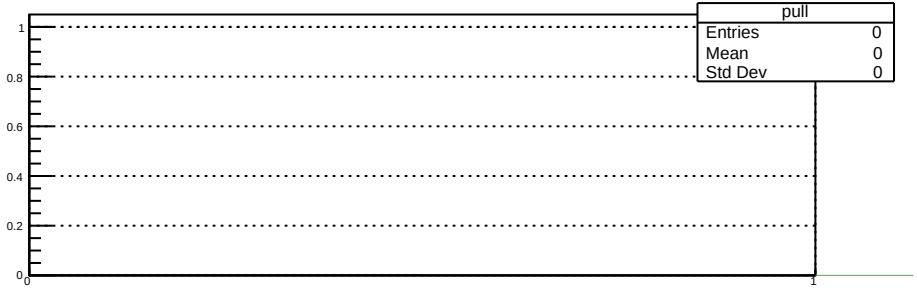

pull1D
Entries 0
Mean 0
Std Dev 0
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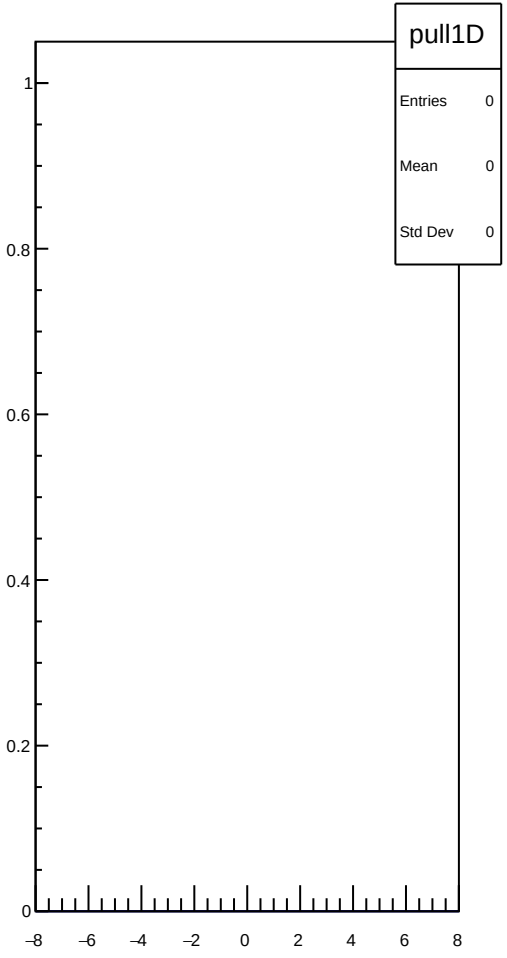

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Std Dev 0
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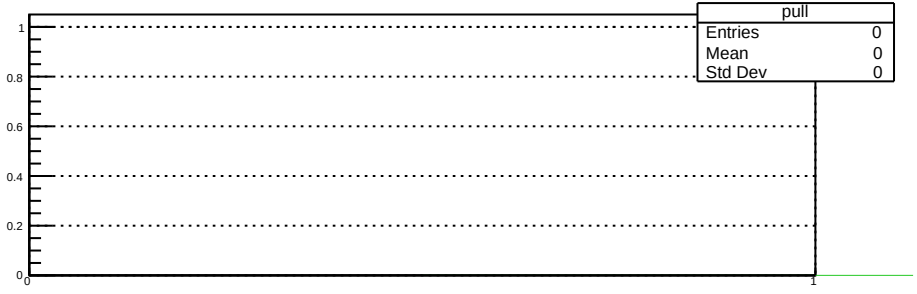

pull1D
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Std Dev 0
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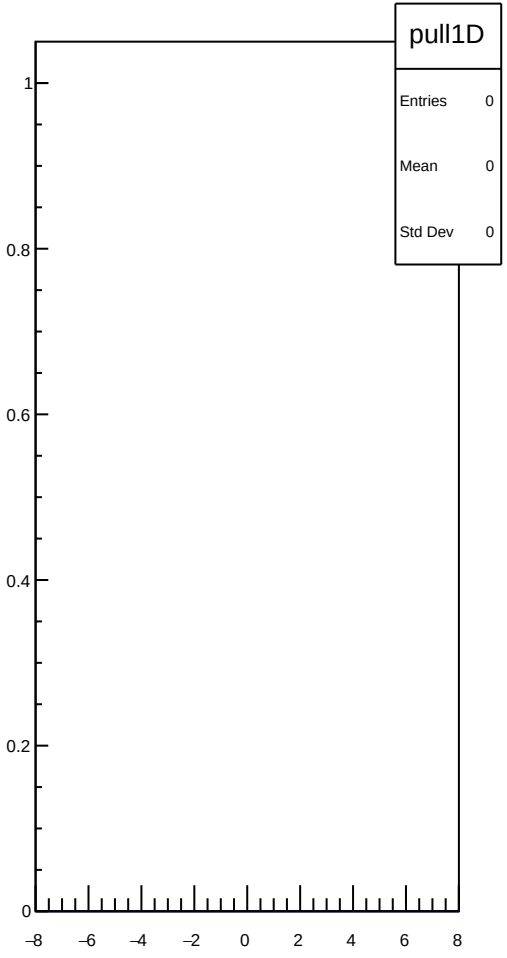

pull
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Std Dev 0
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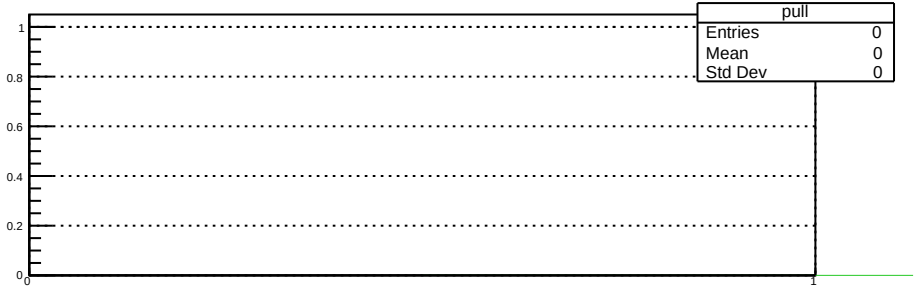

pull1D
Entries 0
Mean 0
Std Dev 0
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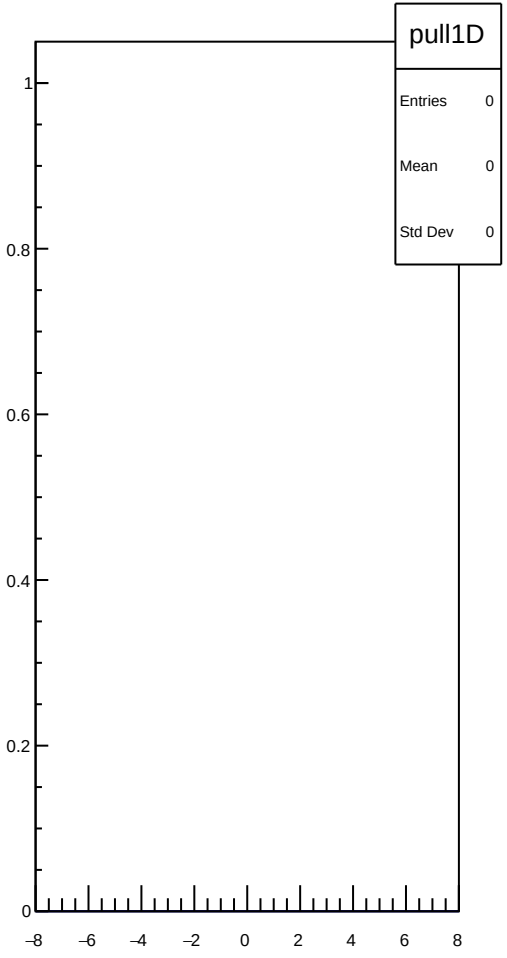

pull
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Std Dev 0
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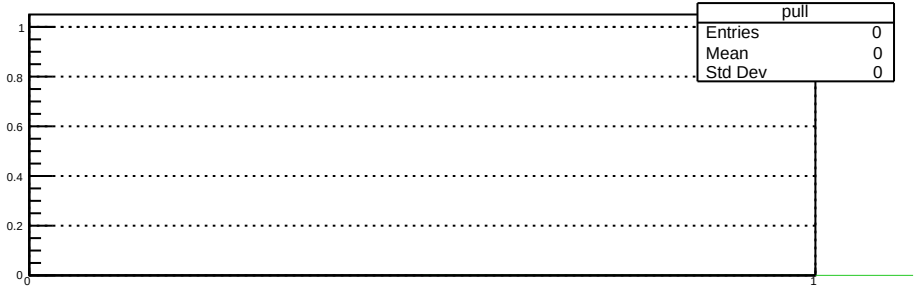

pull1D
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Std Dev 0
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0.4
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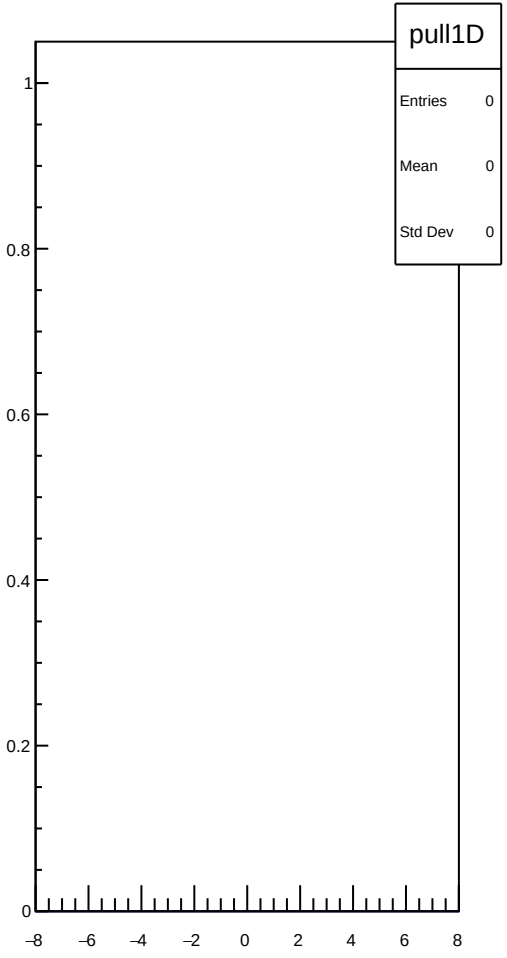

pull
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Std Dev 0
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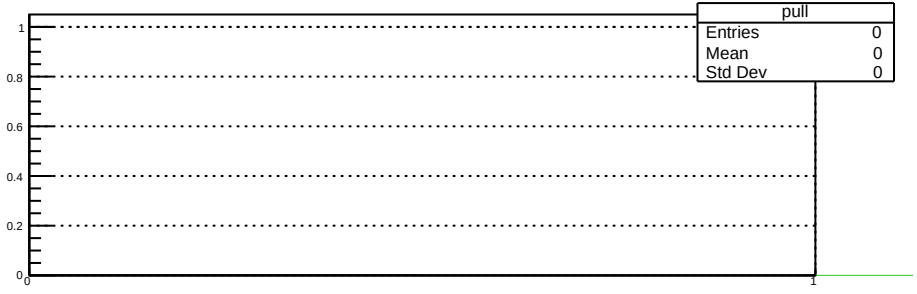

pull1D
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Mean 0
Std Dev 0
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0.4
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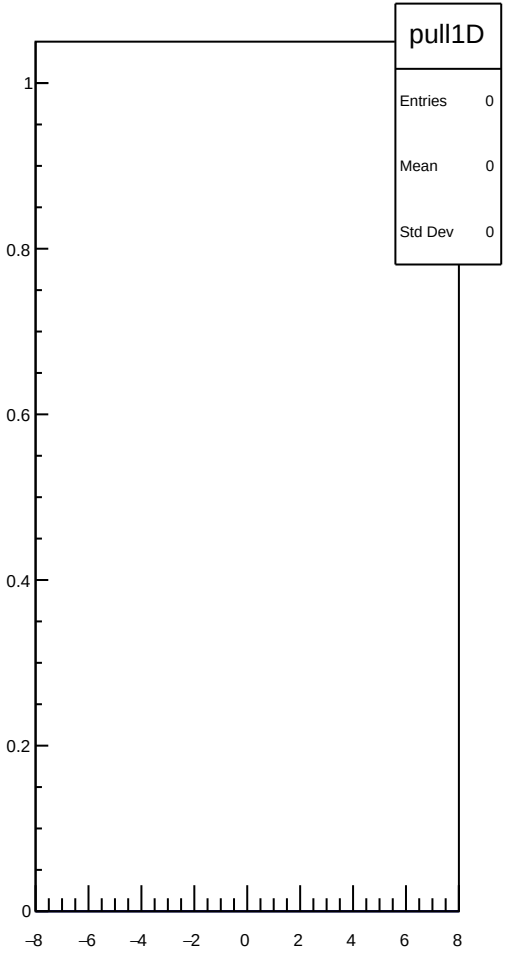

pull
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Std Dev 0
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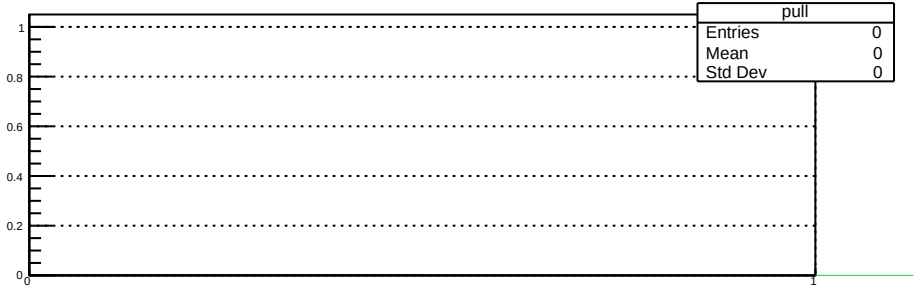

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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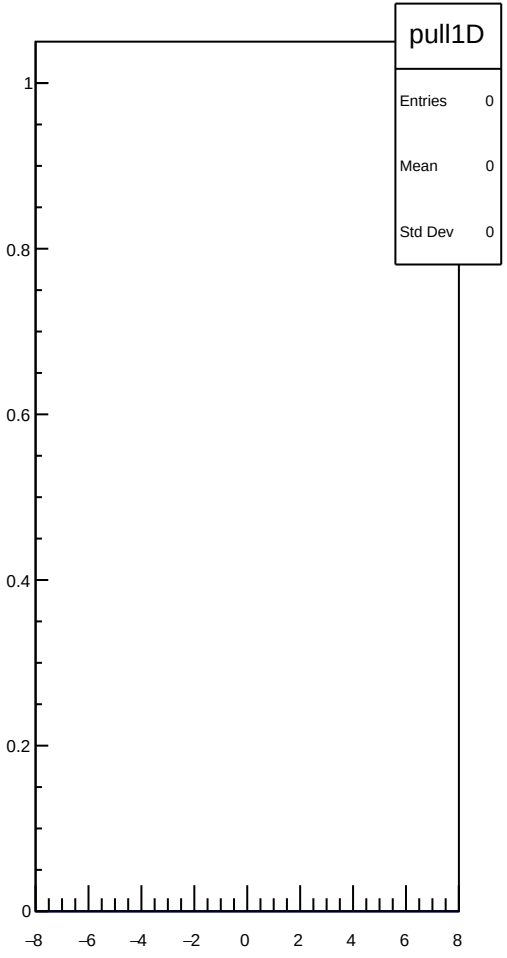

pull
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Mean 0
Std Dev 0
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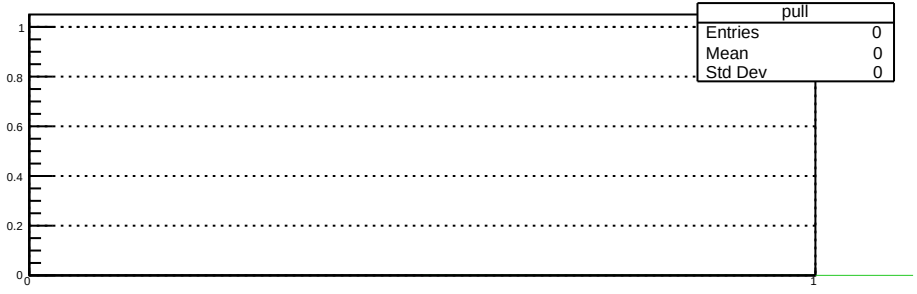

pull1D
Entries 0
Mean 0
Std Dev 0
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2
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6
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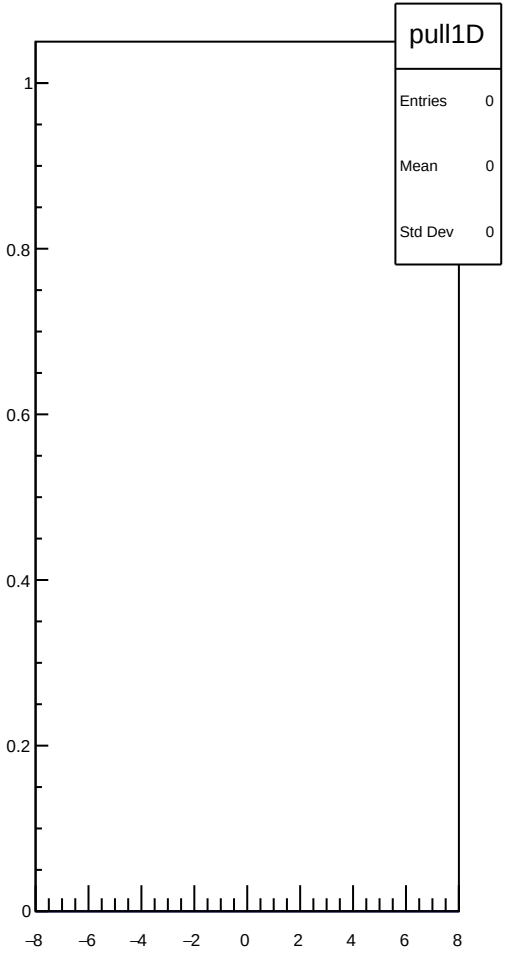

pull
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Std Dev 0
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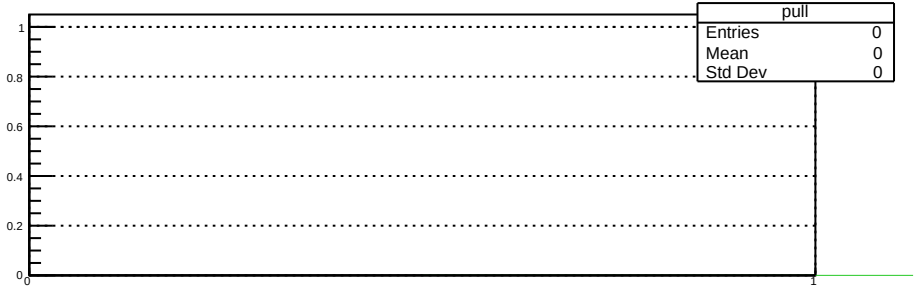

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
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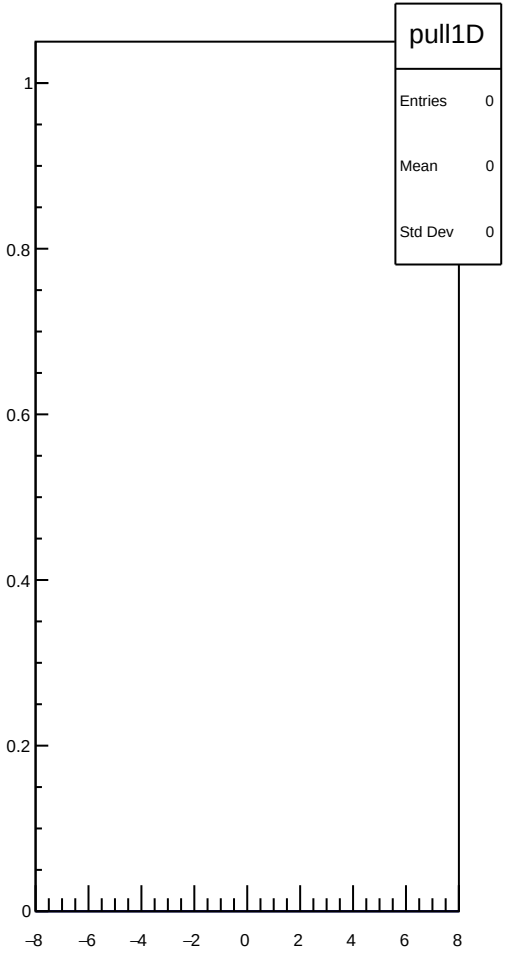

pull
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Std Dev 0
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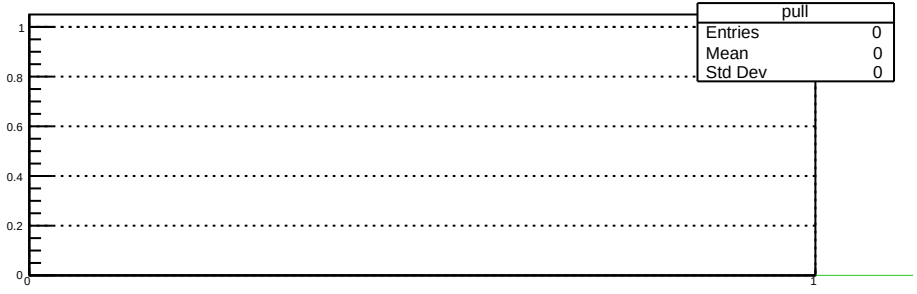

pull1D
Entries 0
Mean 0
Std Dev 0
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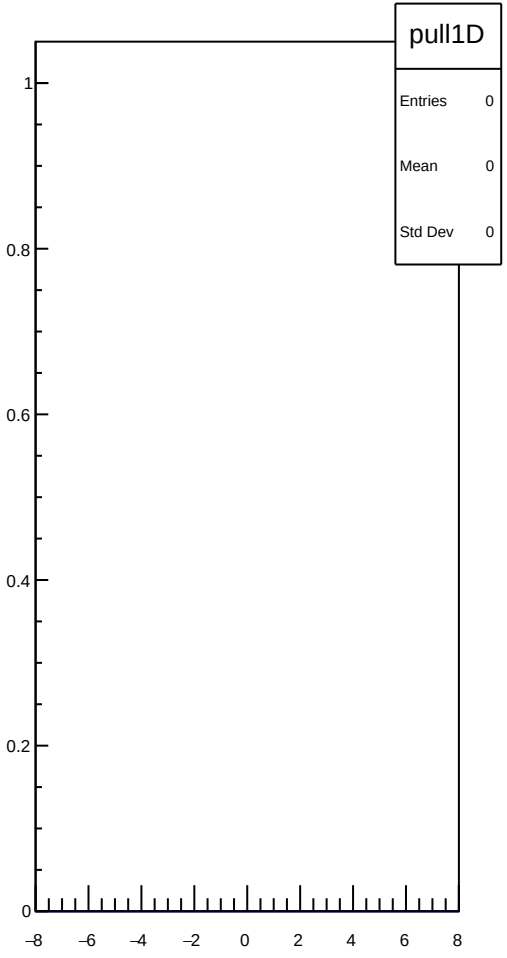

pull
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Mean 0
Std Dev 0
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0.6
0.4
0.2
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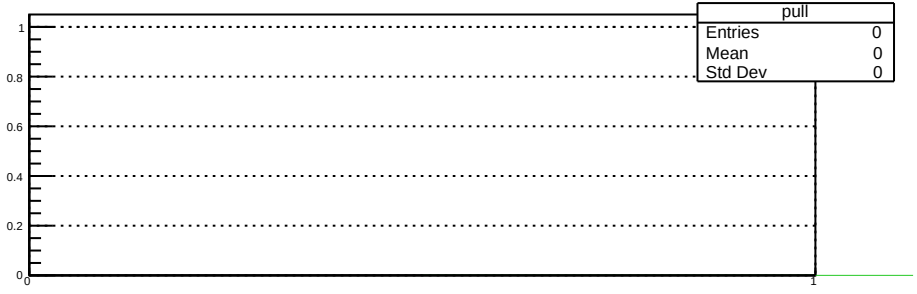

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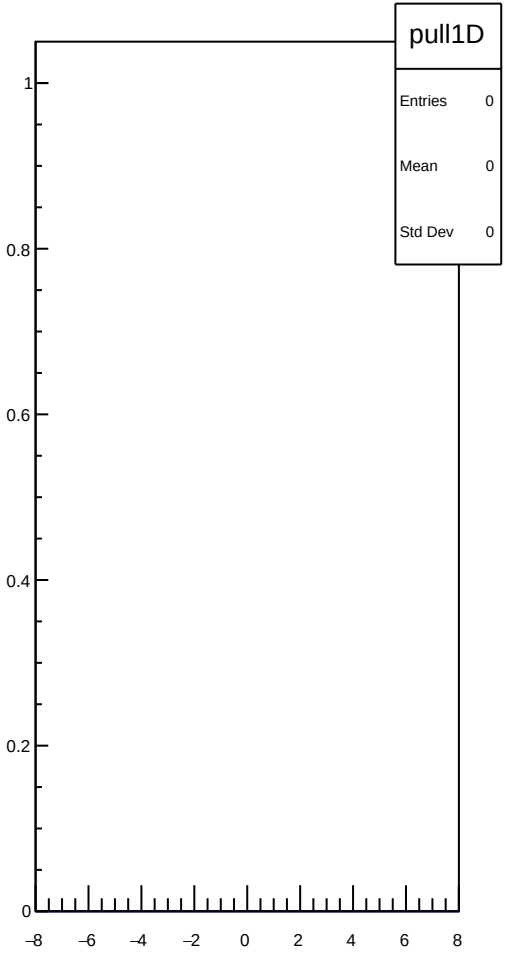

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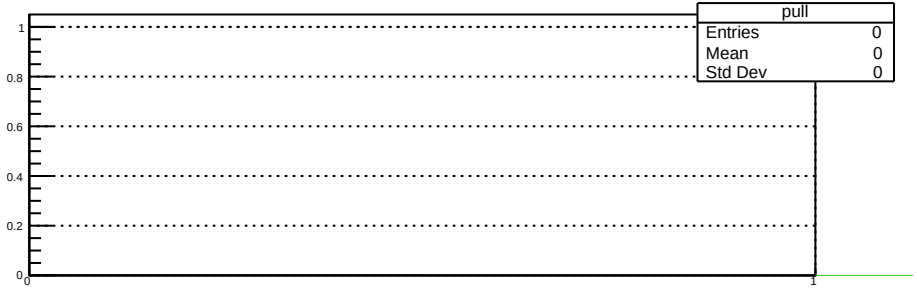

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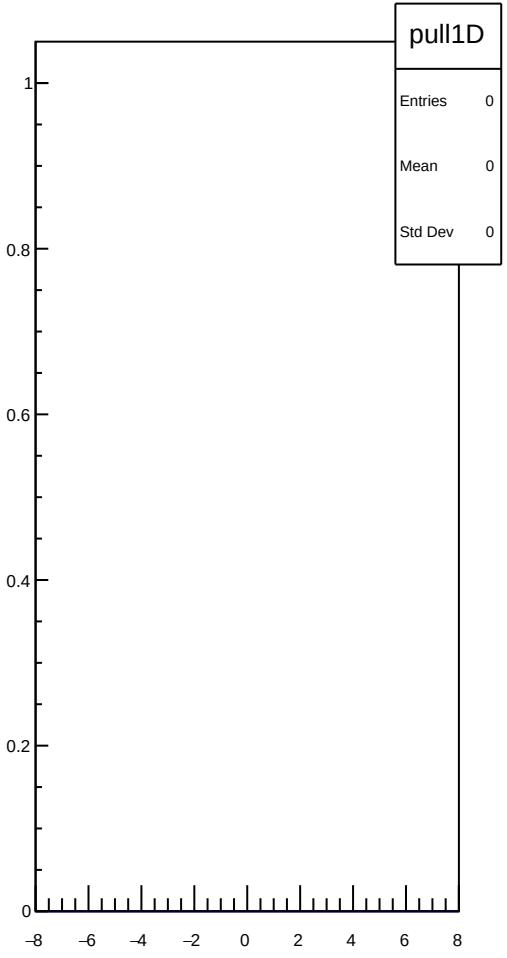

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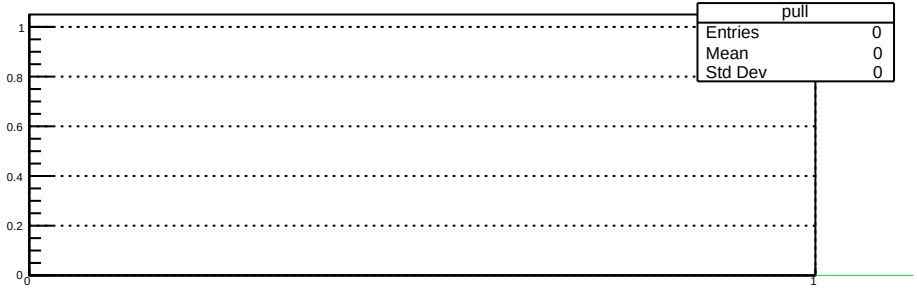

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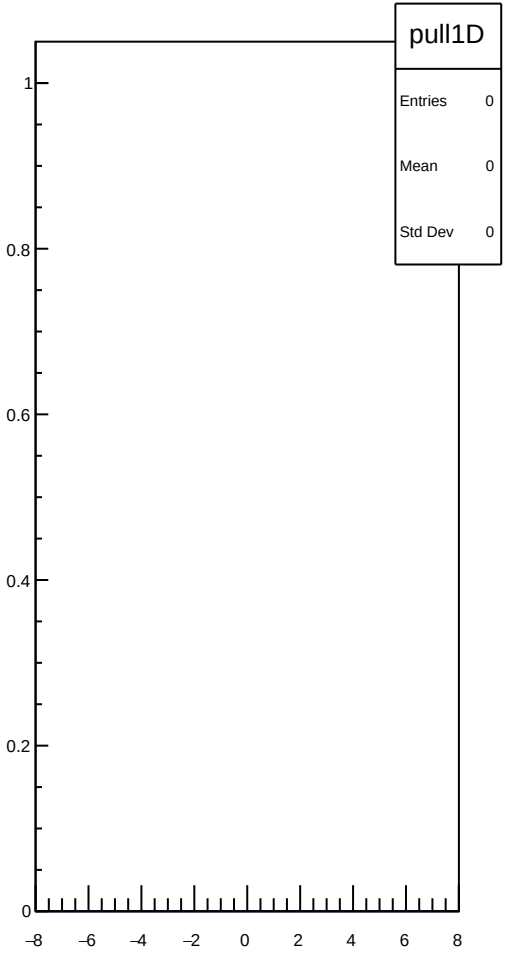

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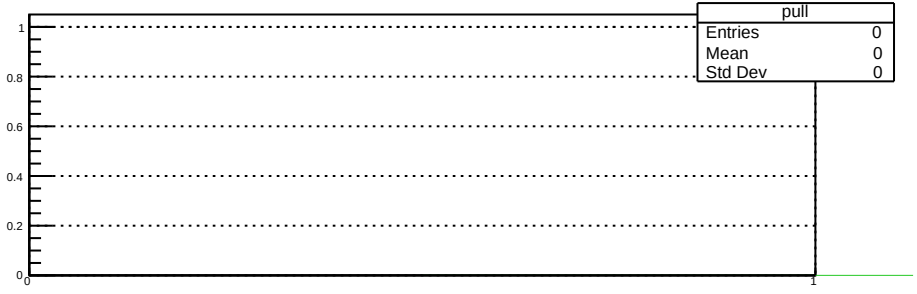

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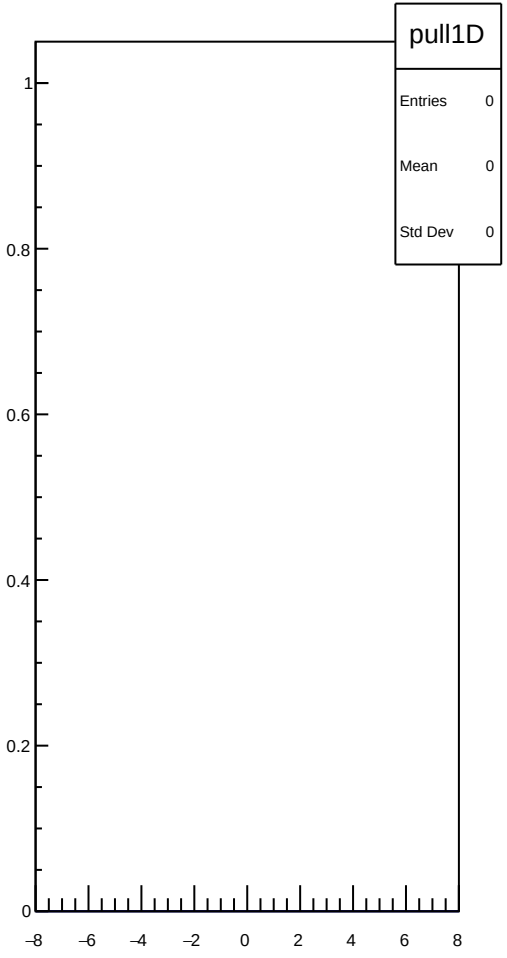

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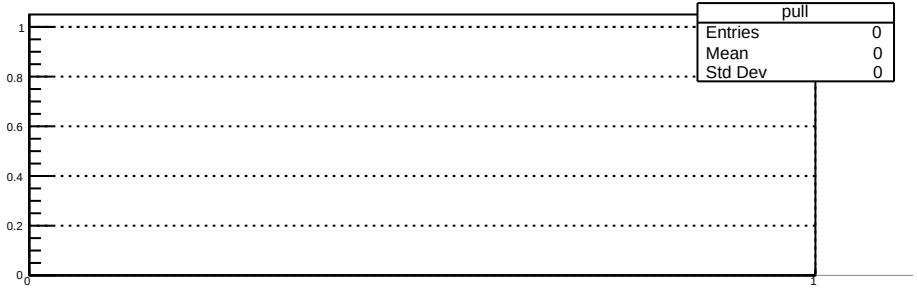

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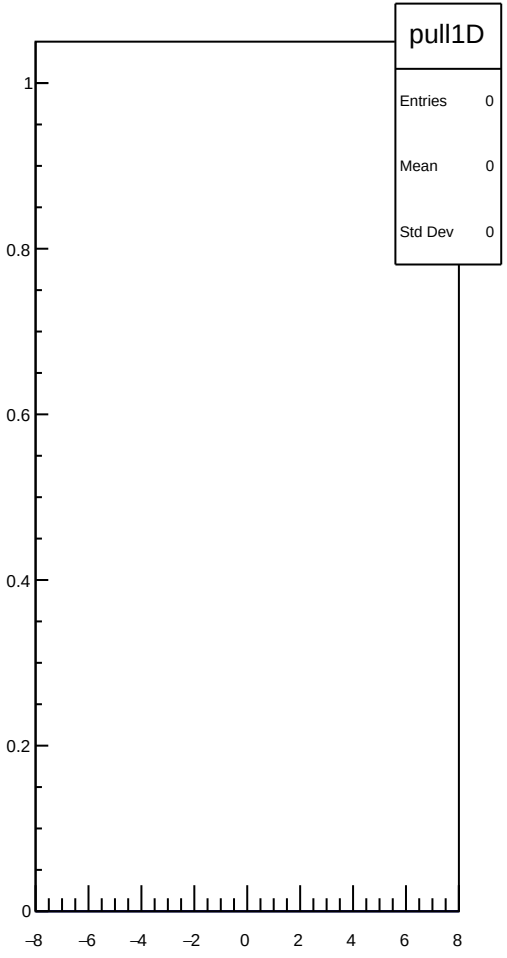

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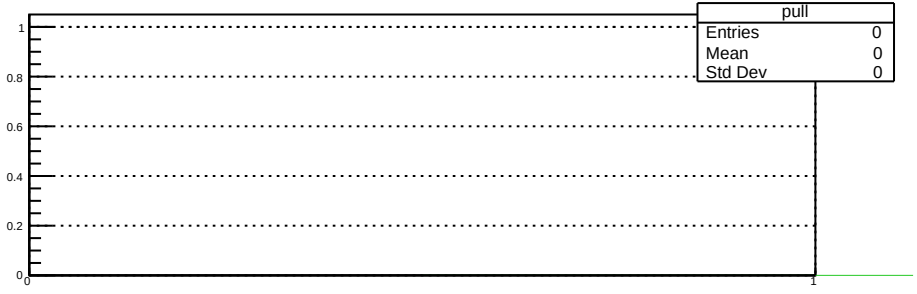

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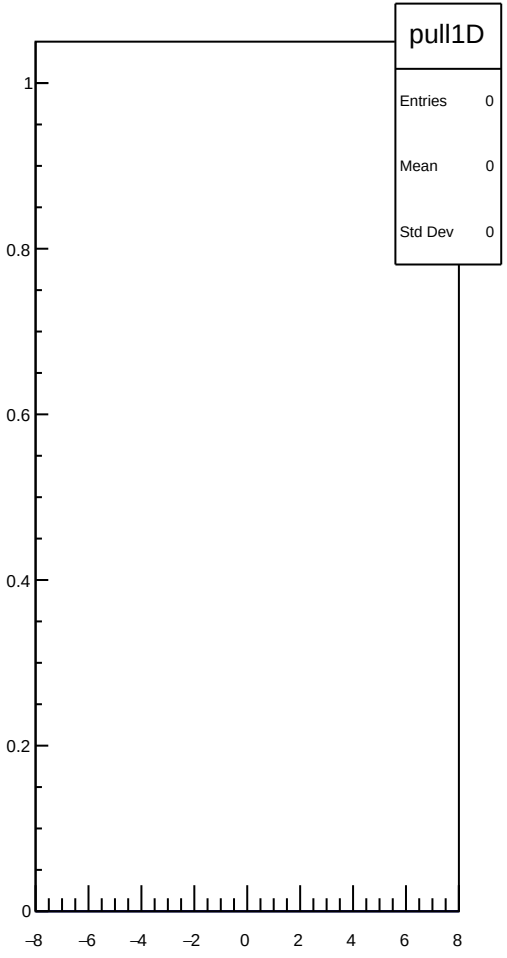

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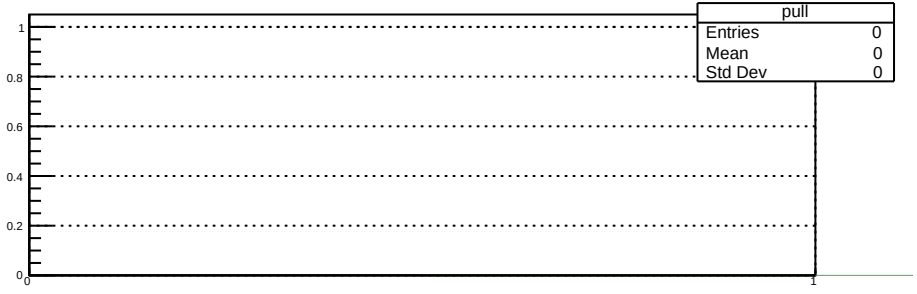

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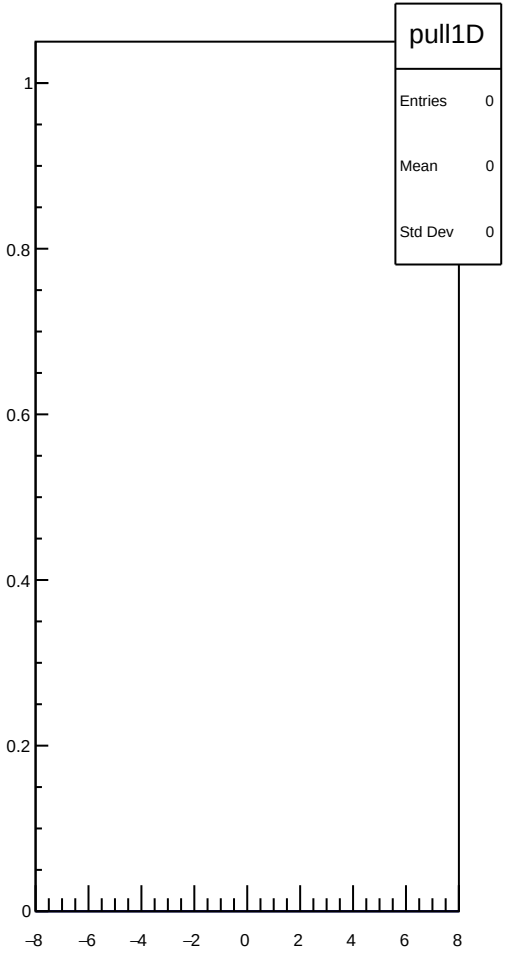

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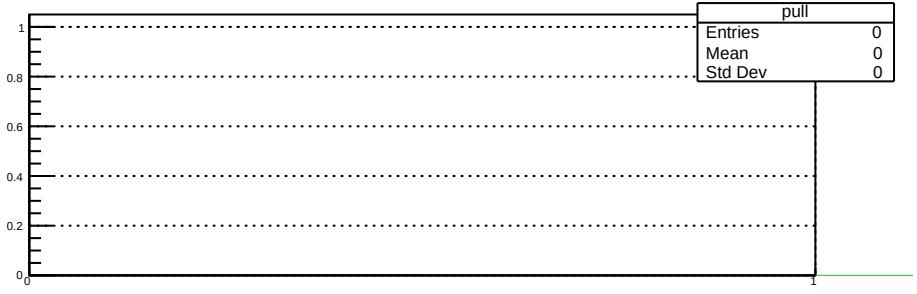

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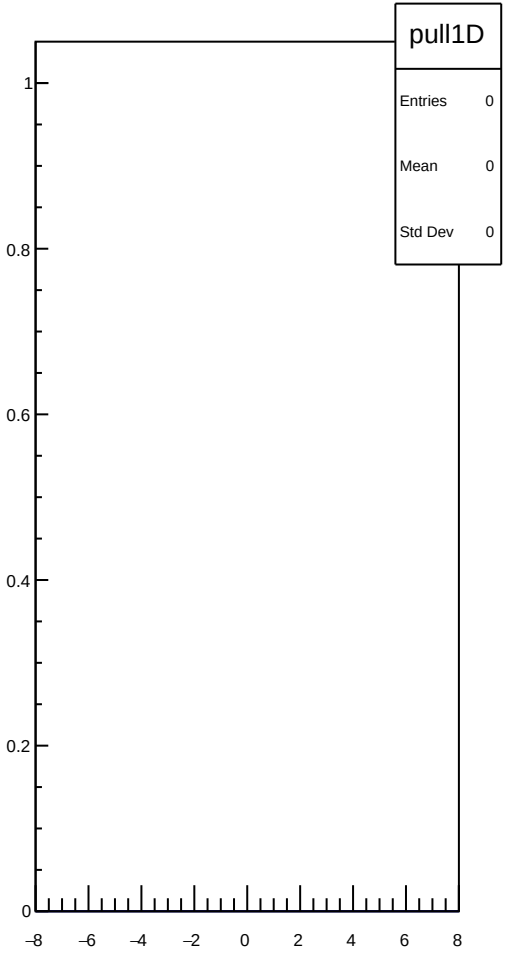

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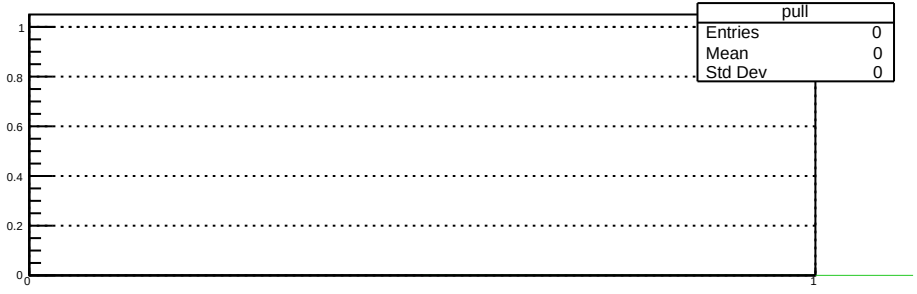

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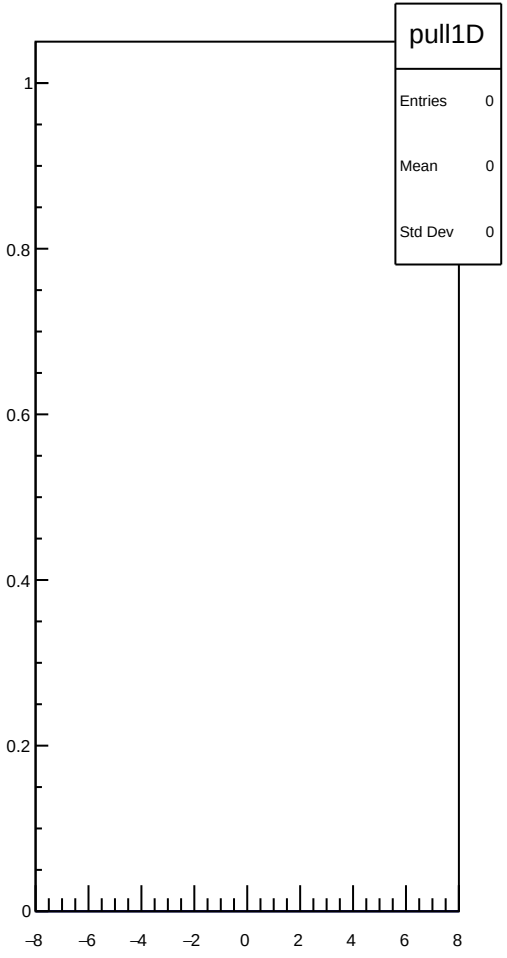

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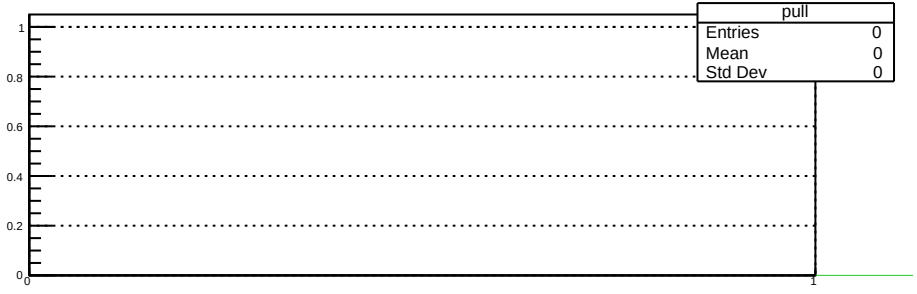

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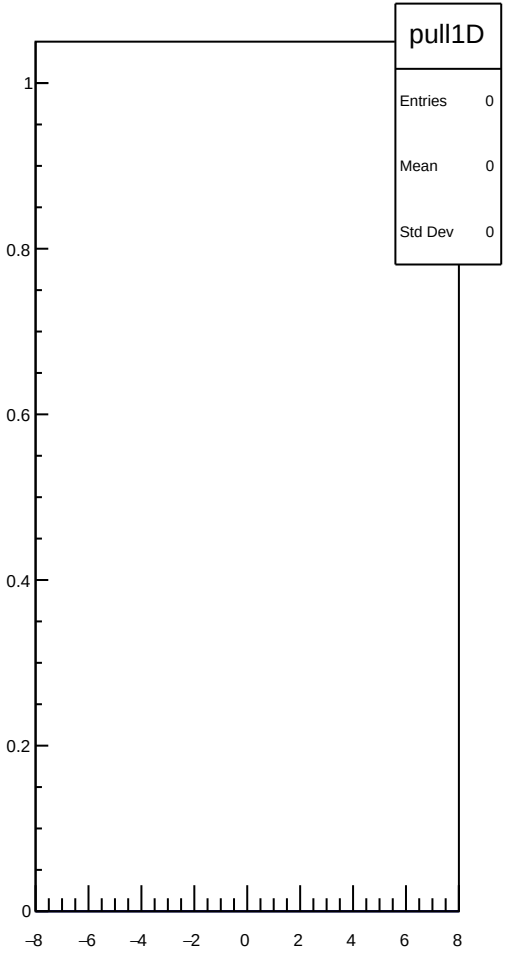

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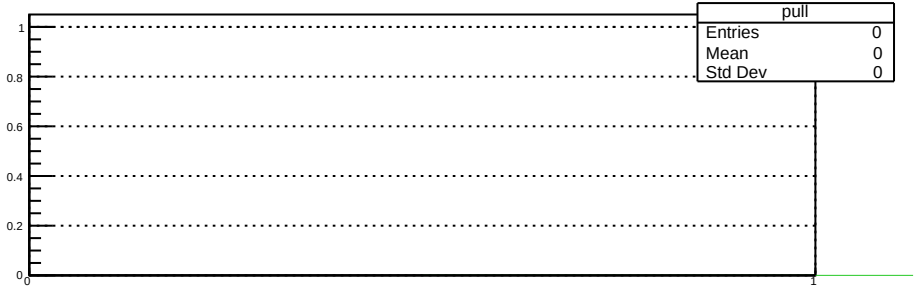

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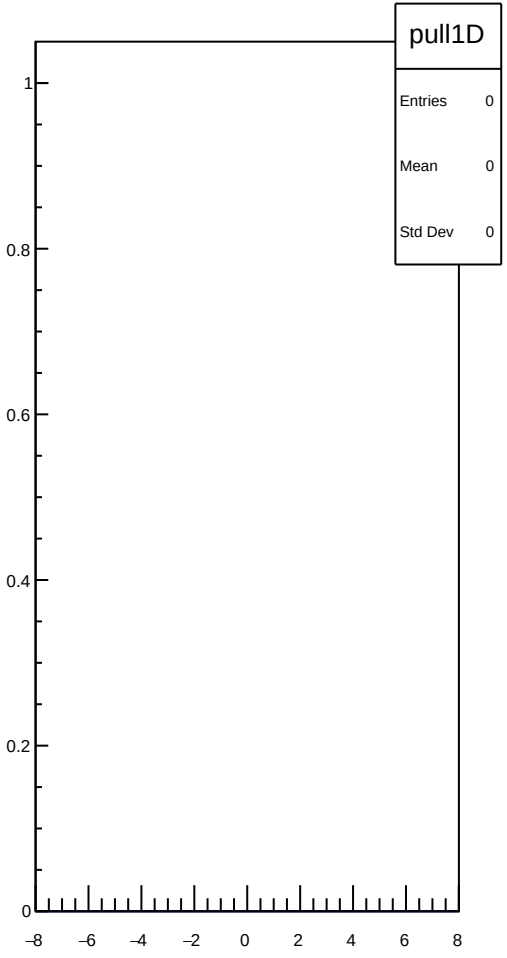

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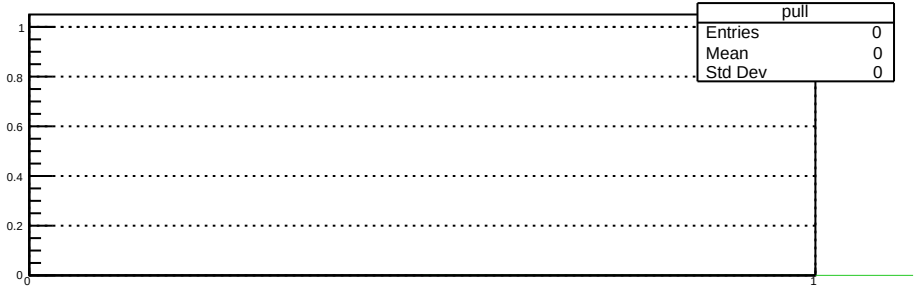

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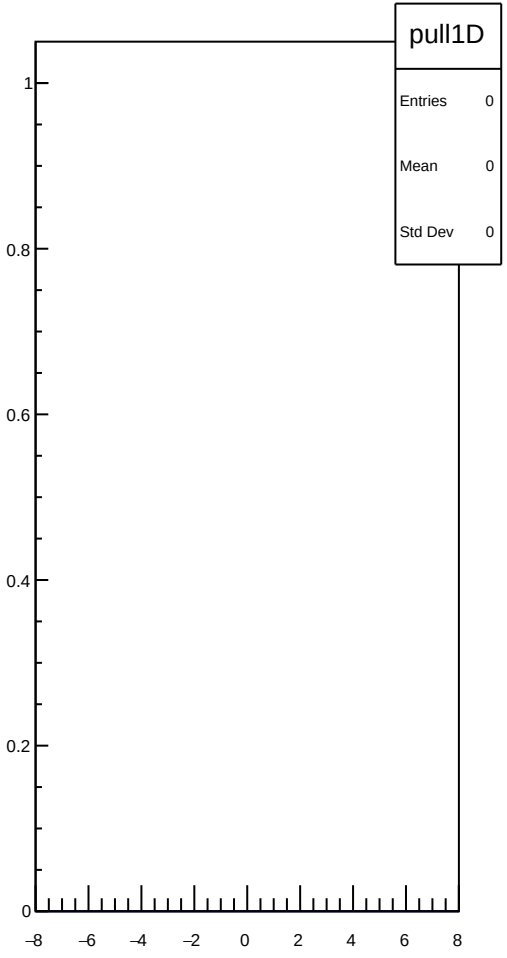

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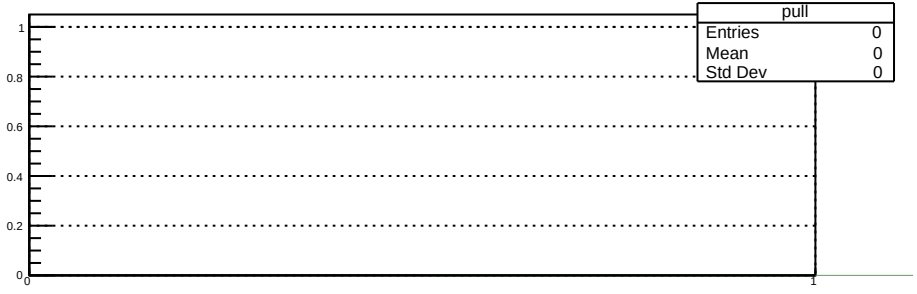

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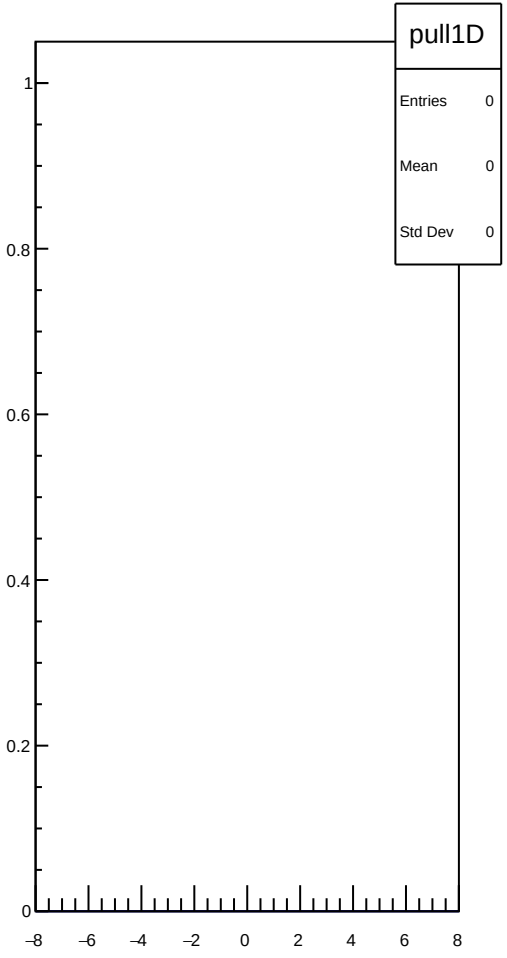

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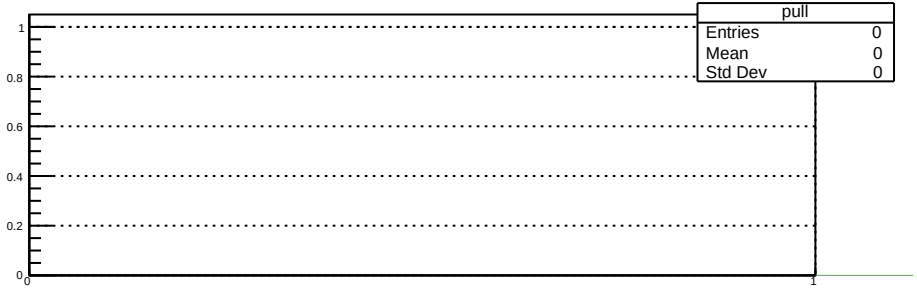

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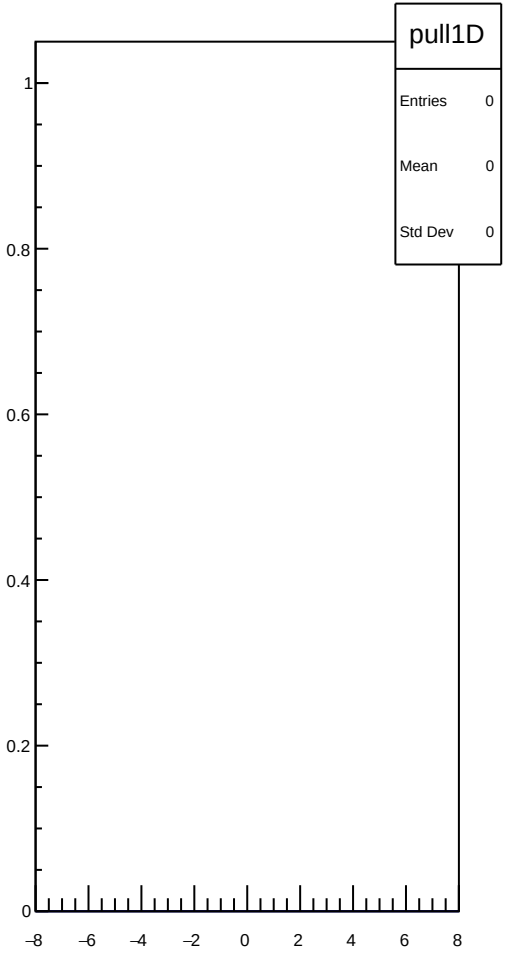

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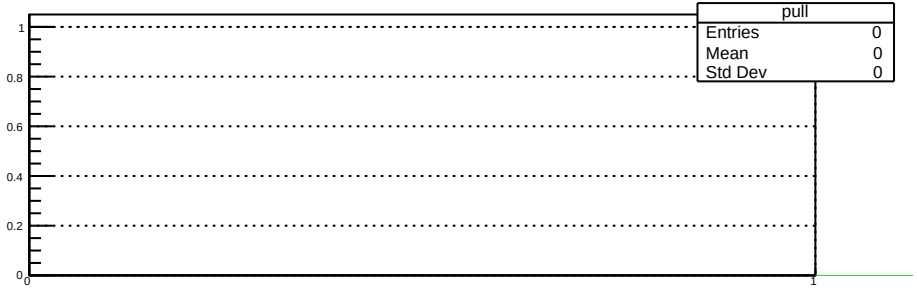

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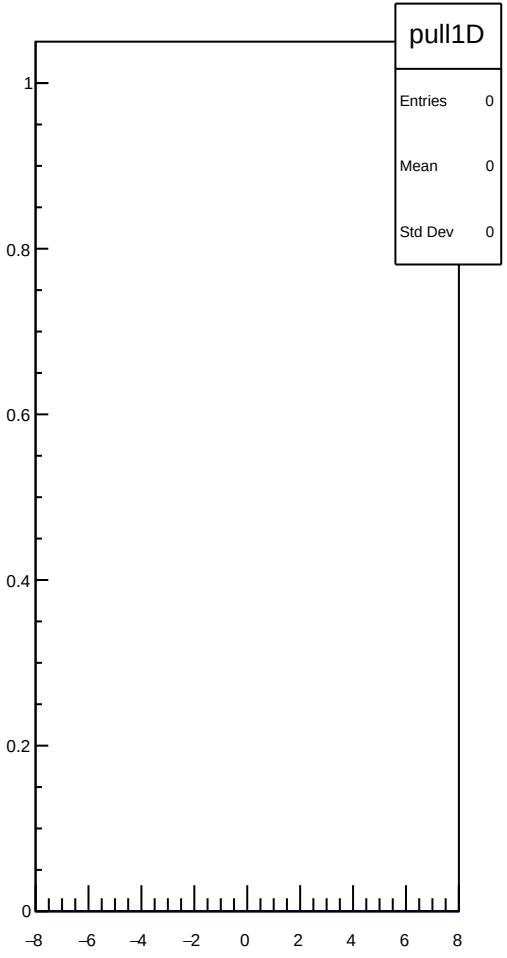

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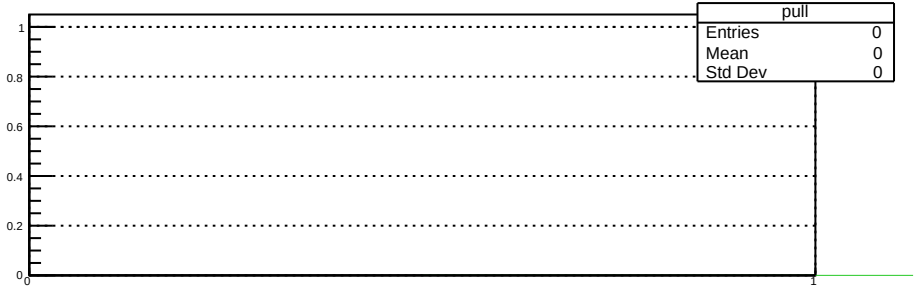

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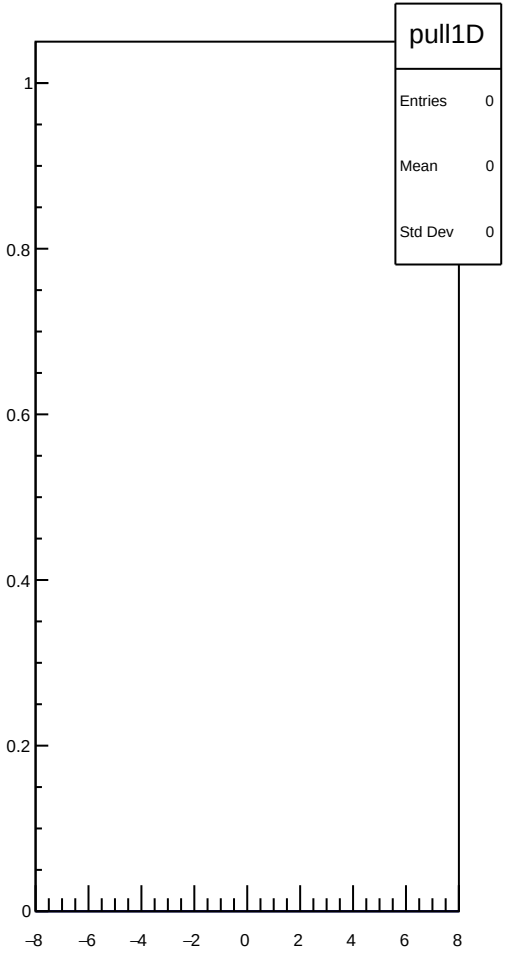

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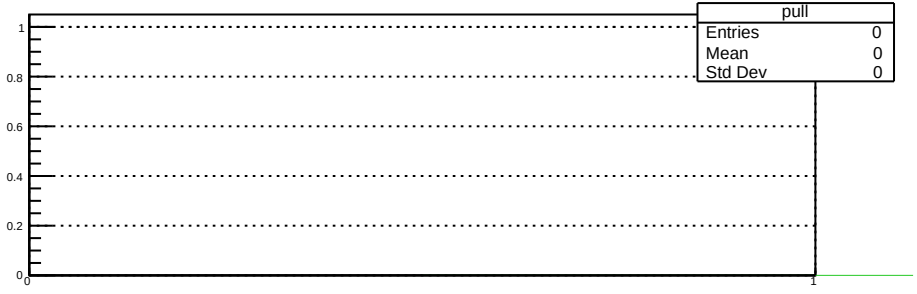

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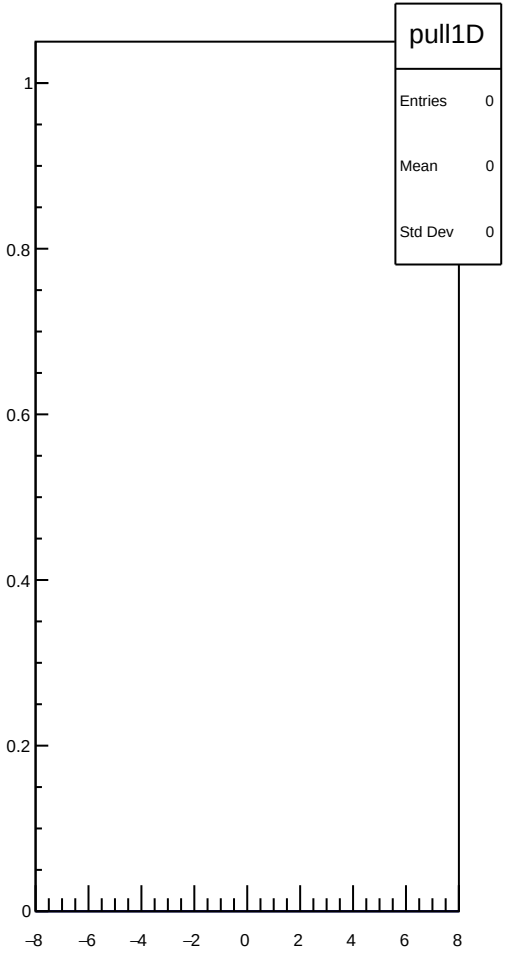

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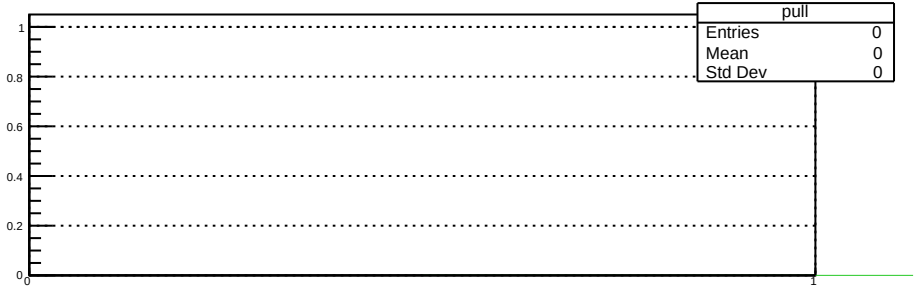

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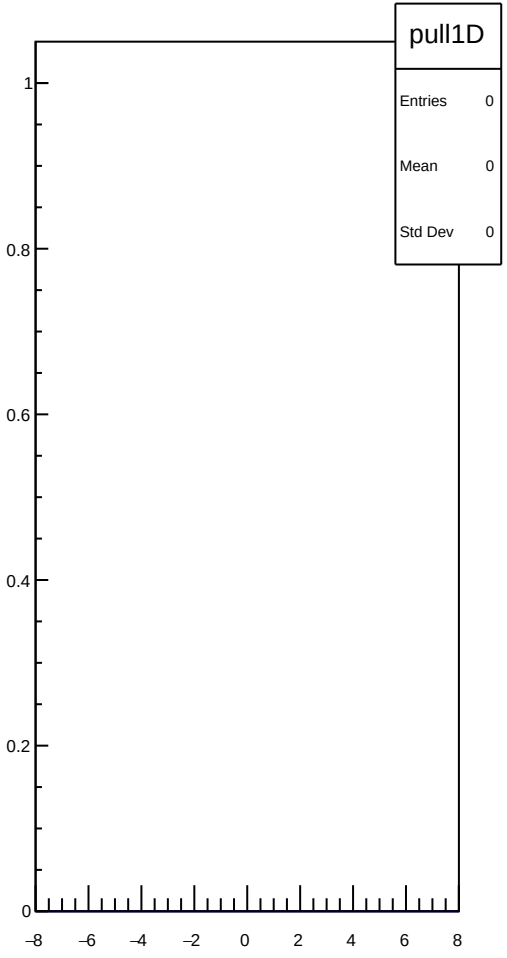

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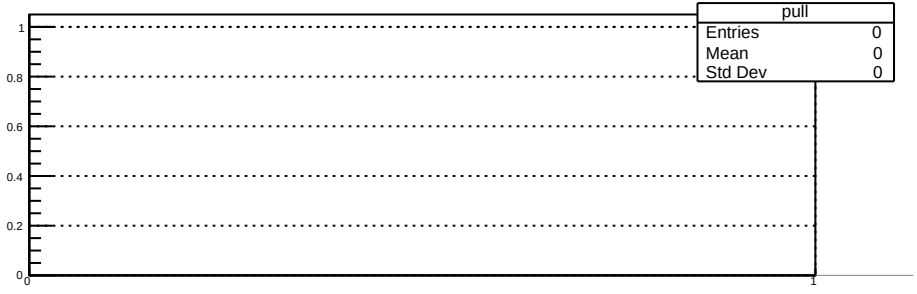

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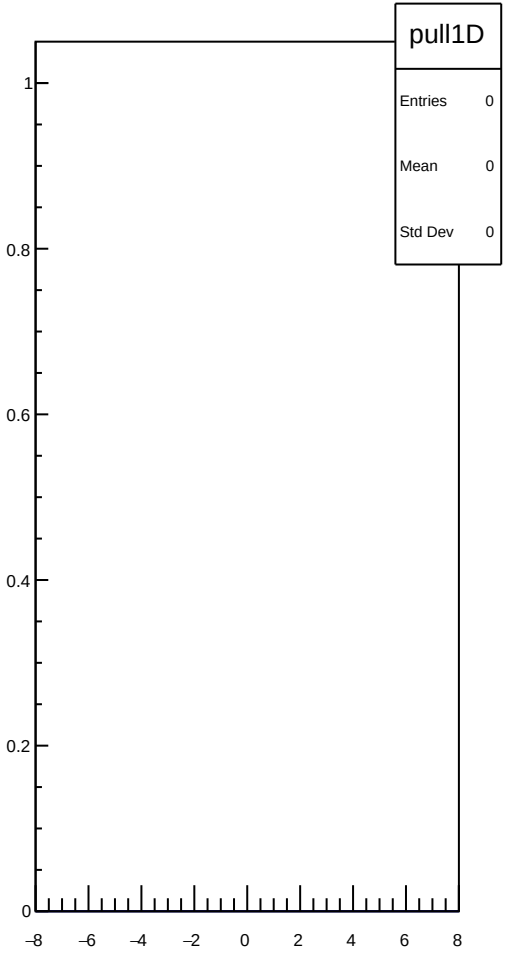

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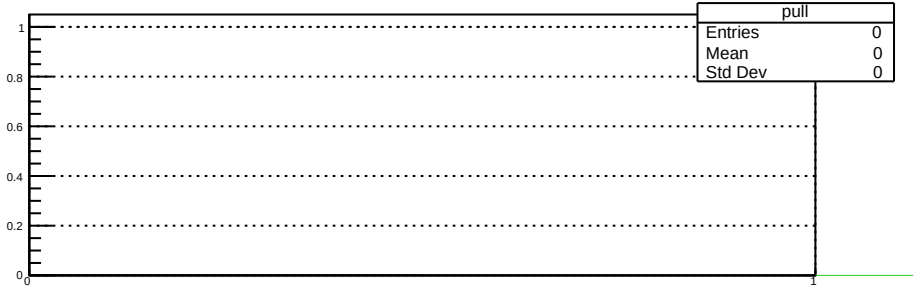

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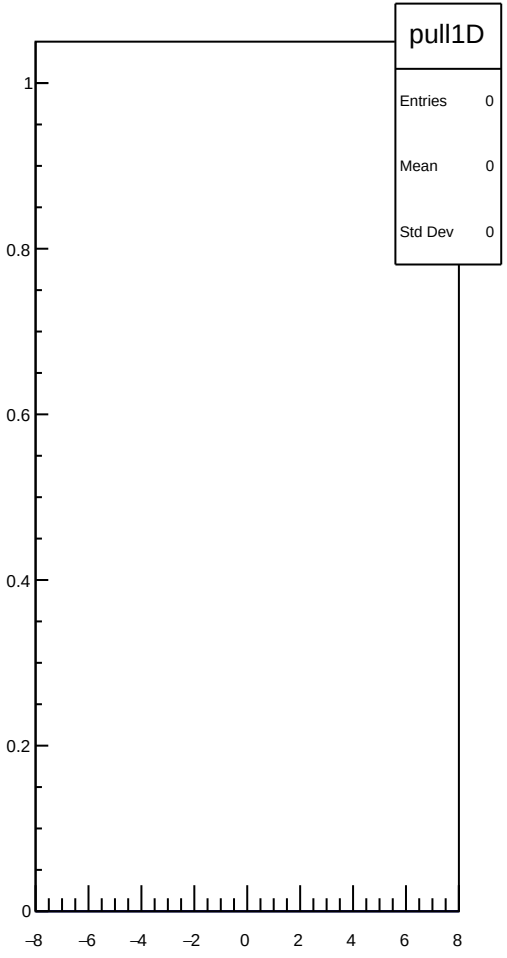

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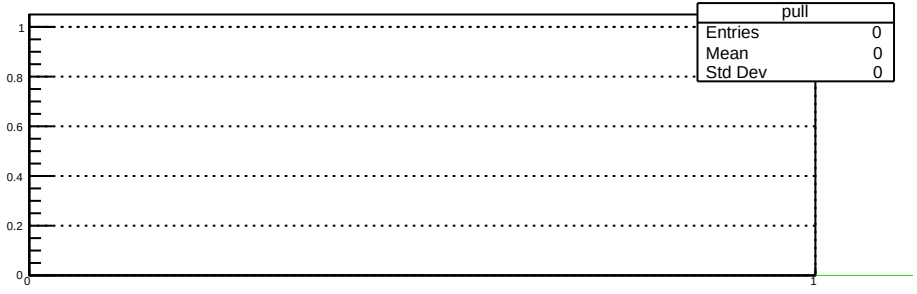

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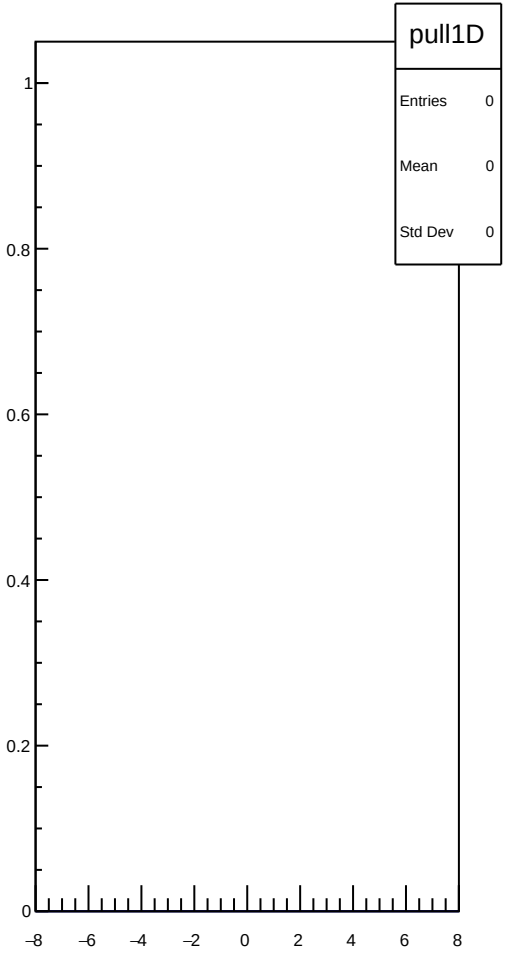

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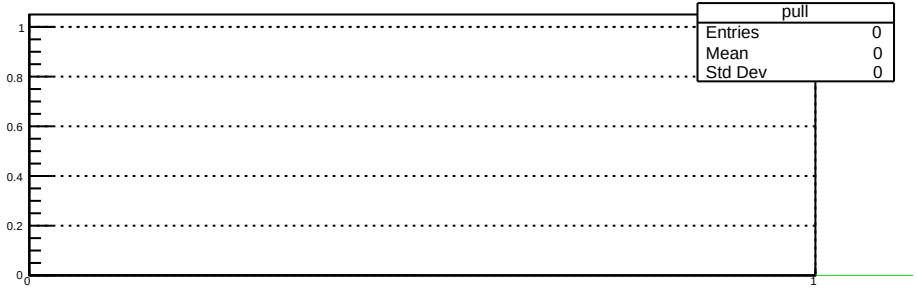

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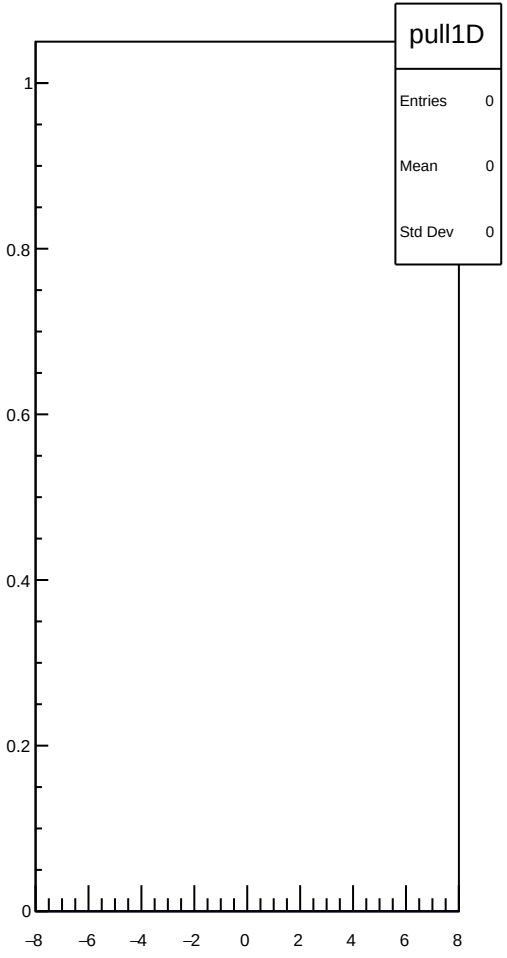

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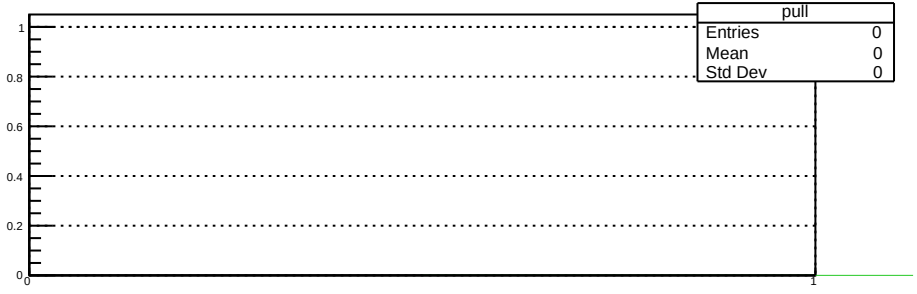

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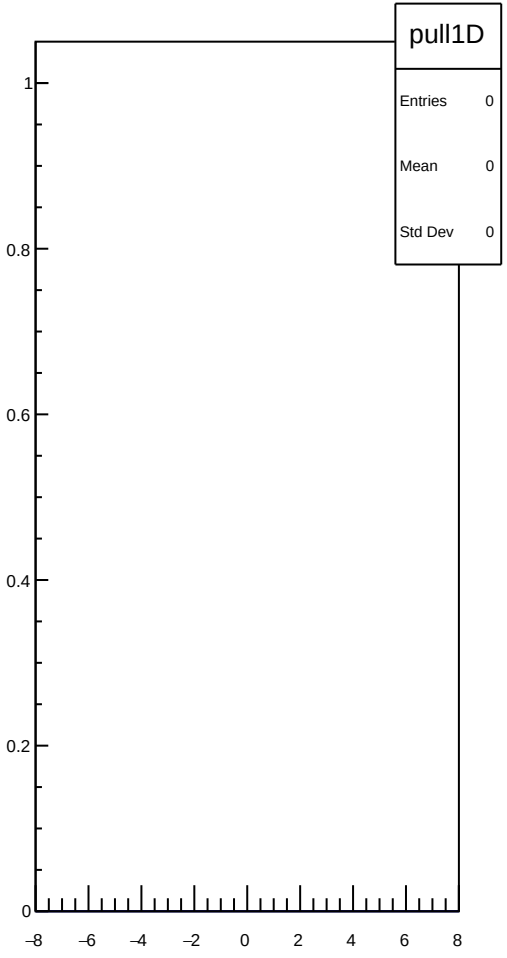

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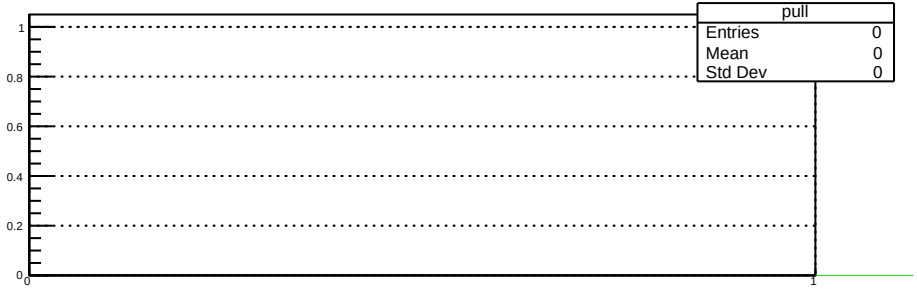

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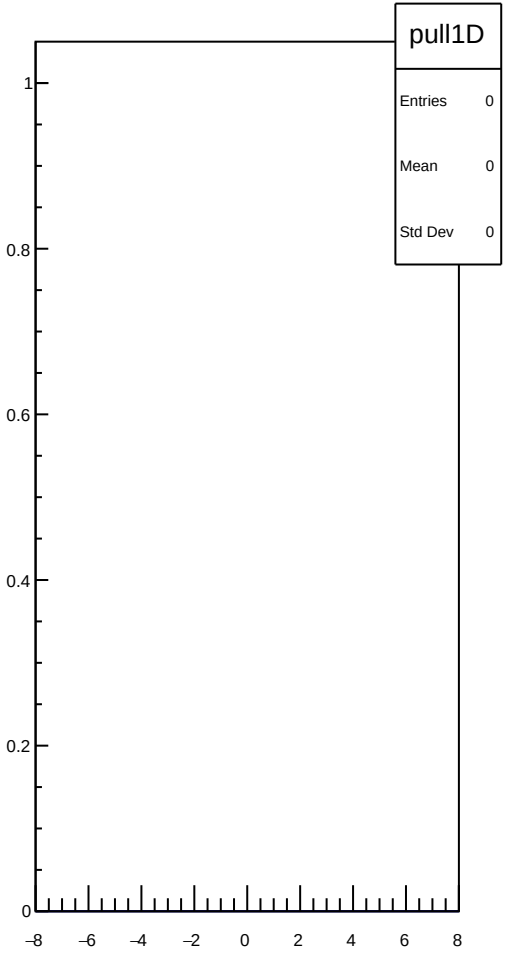

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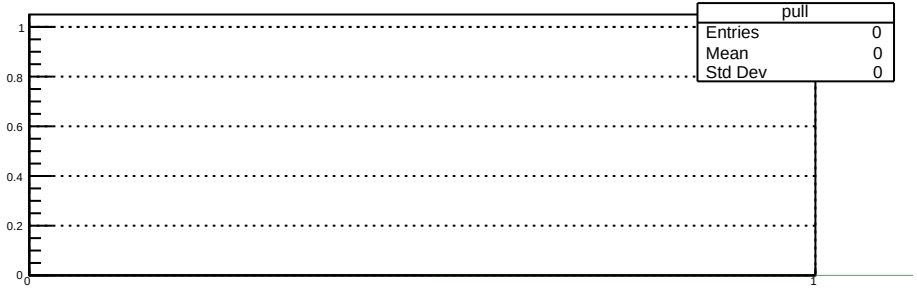

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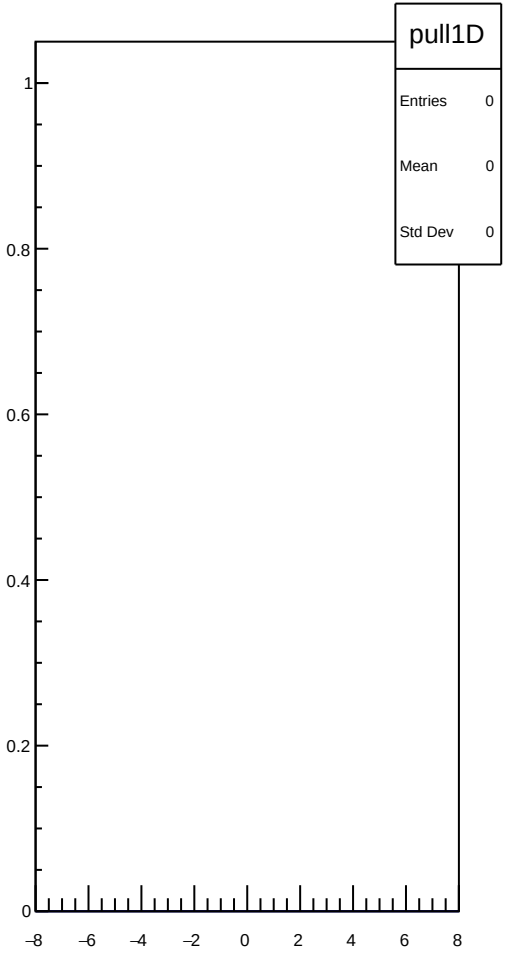

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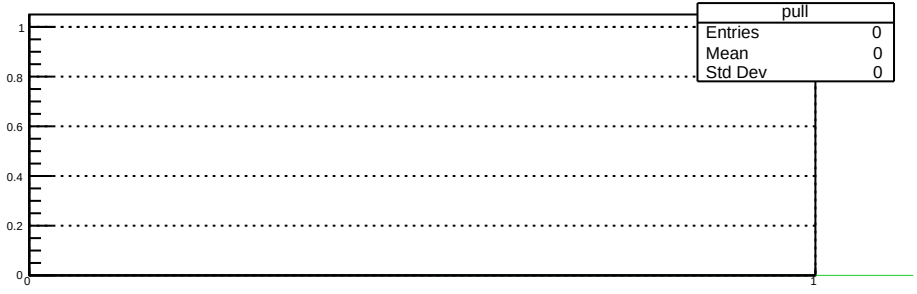

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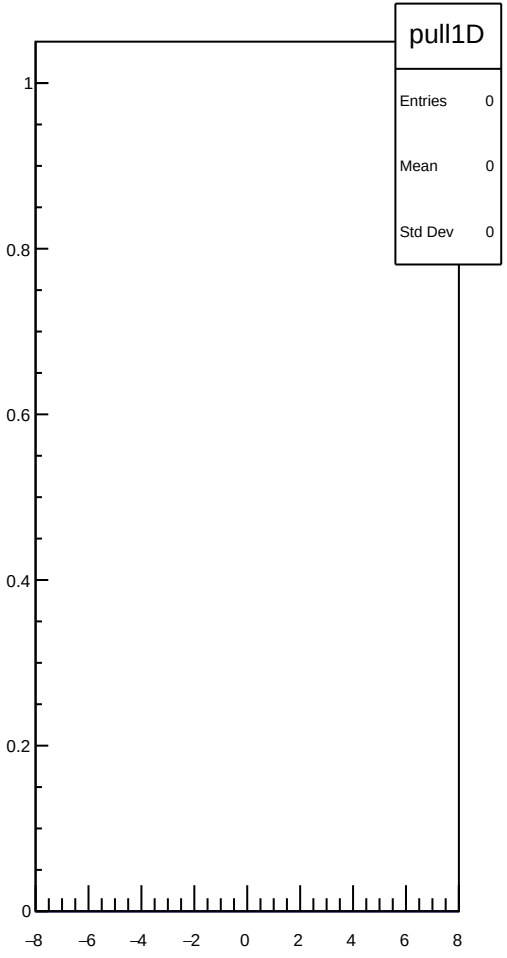

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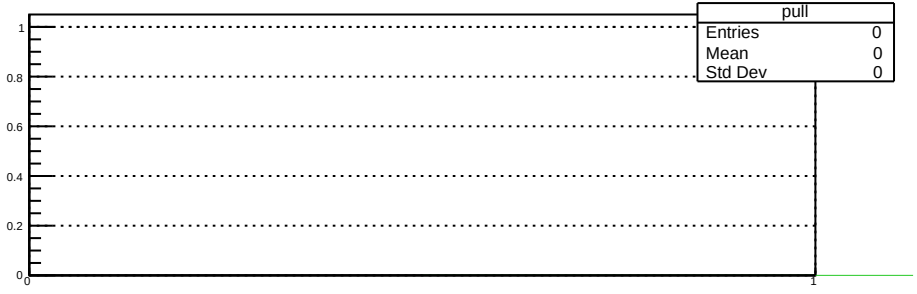

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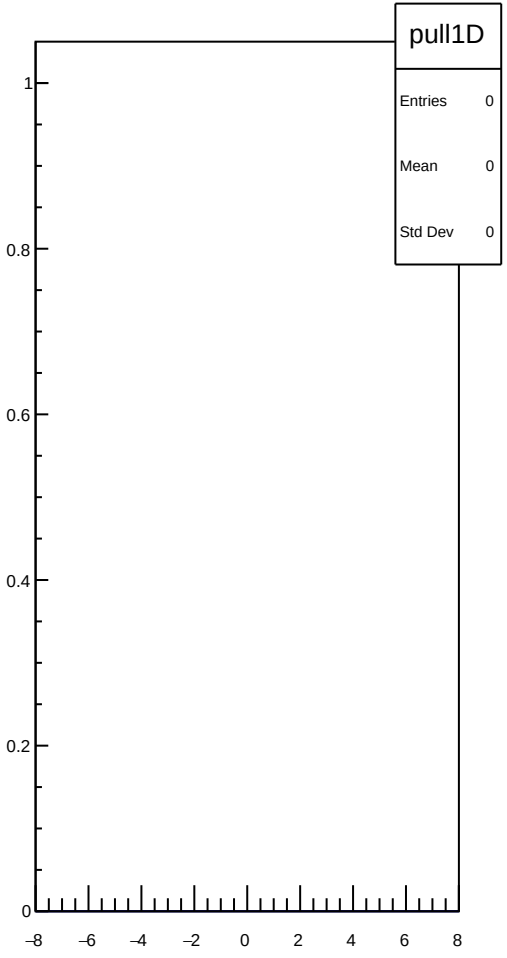

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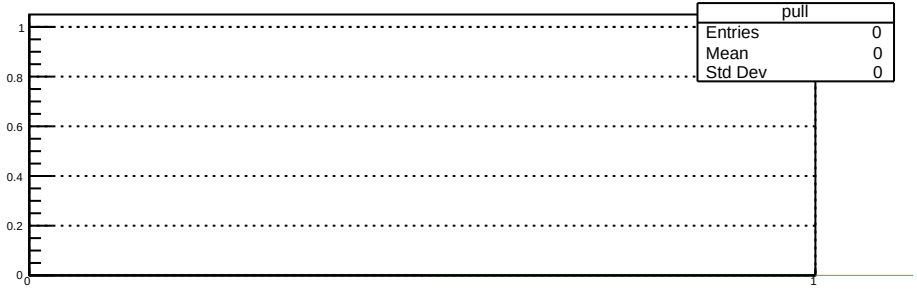

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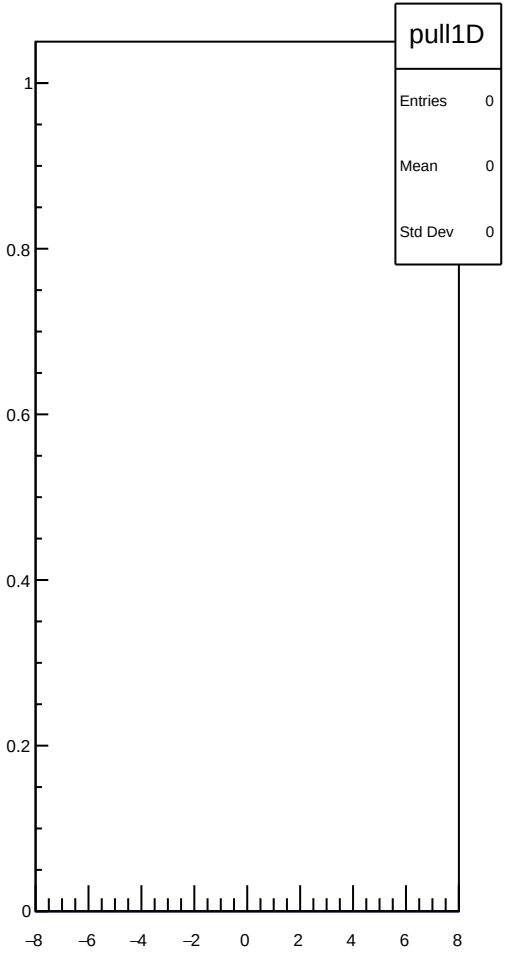

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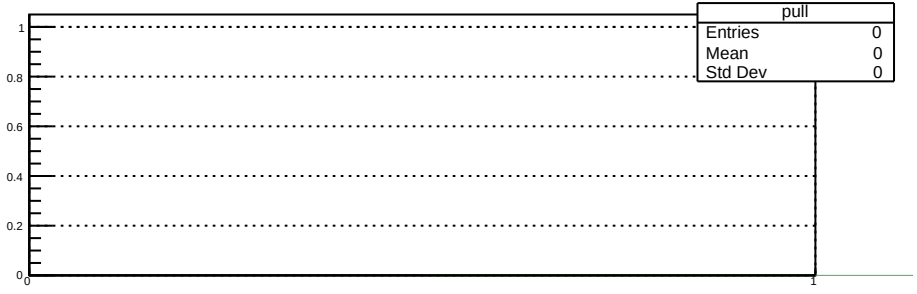

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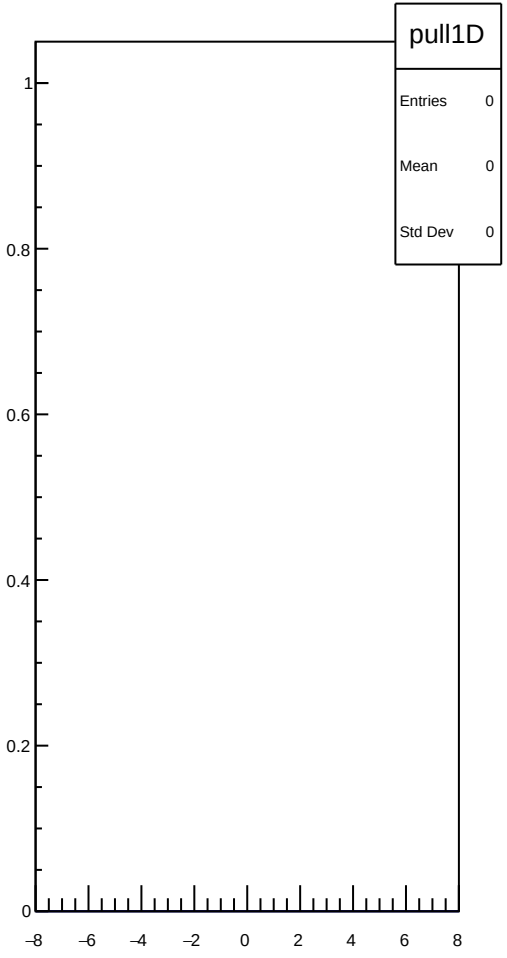

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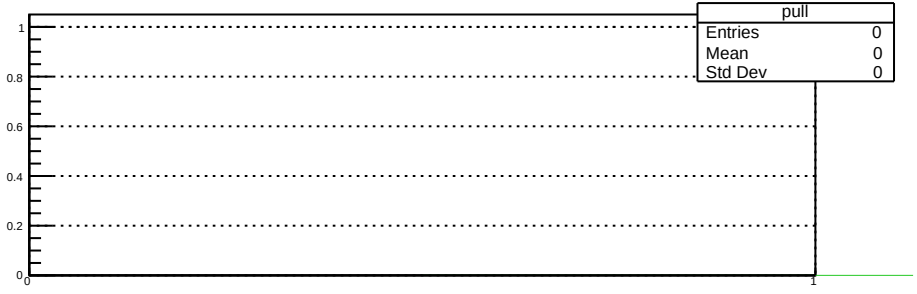

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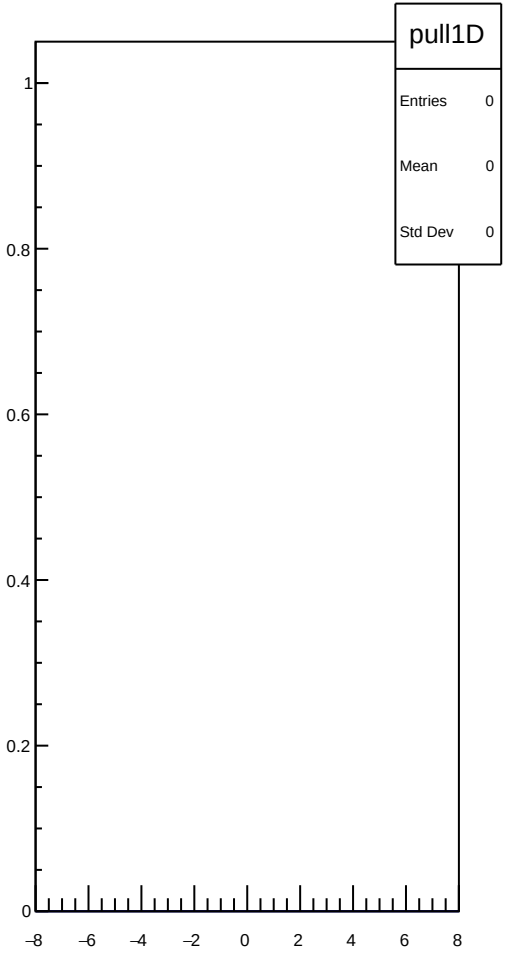

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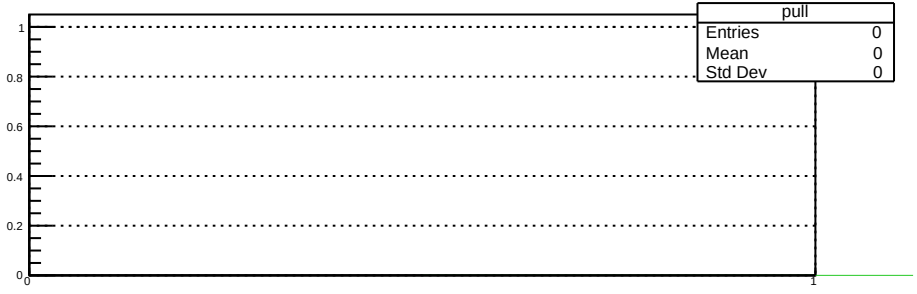

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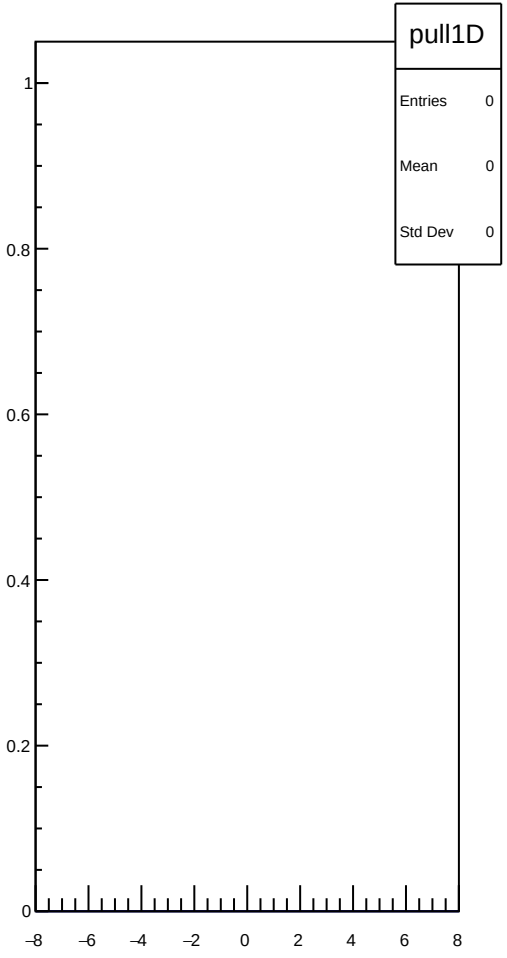

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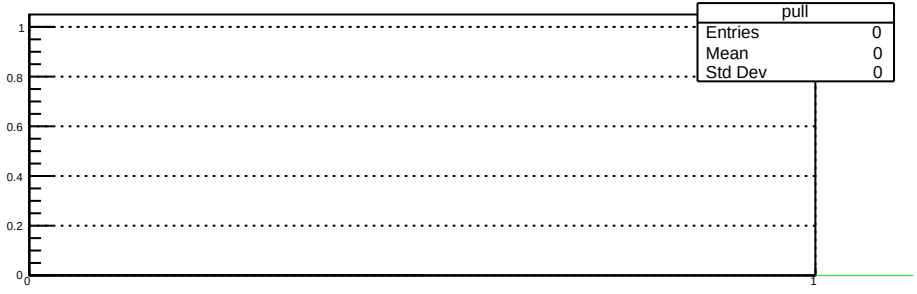

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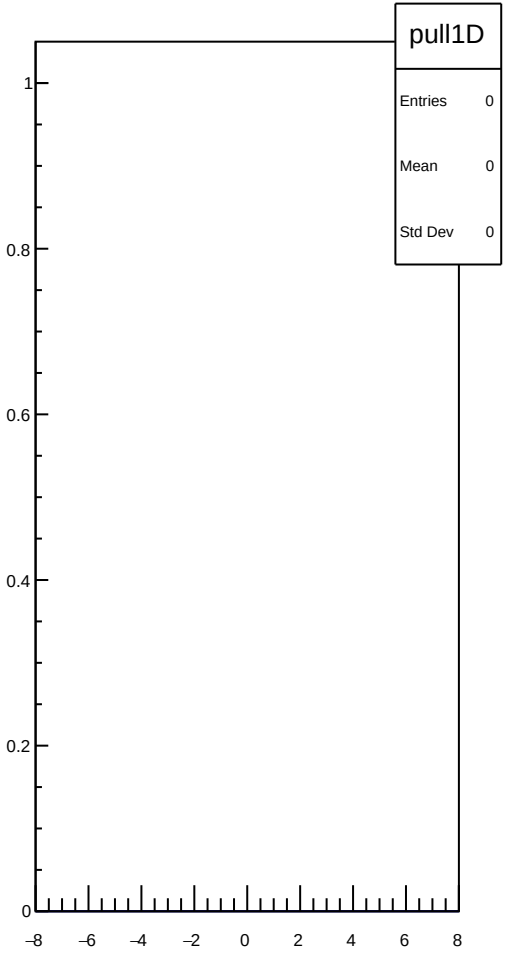

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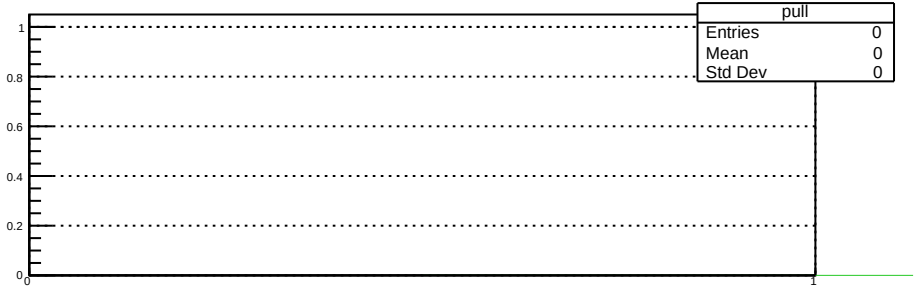

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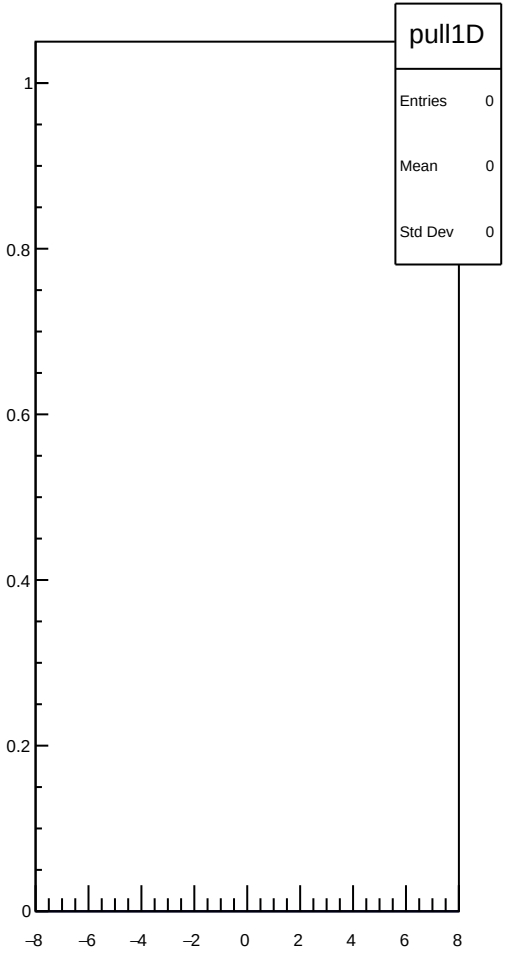

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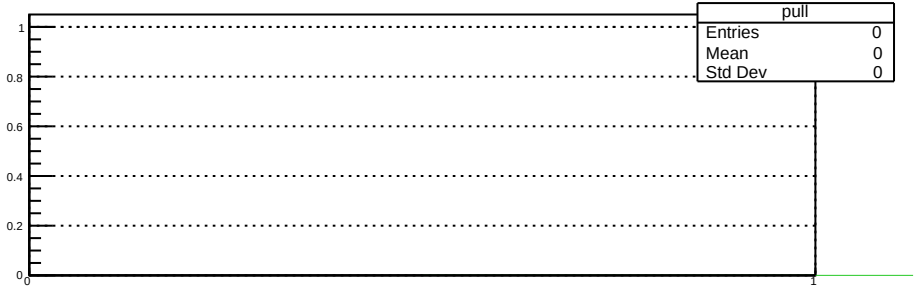

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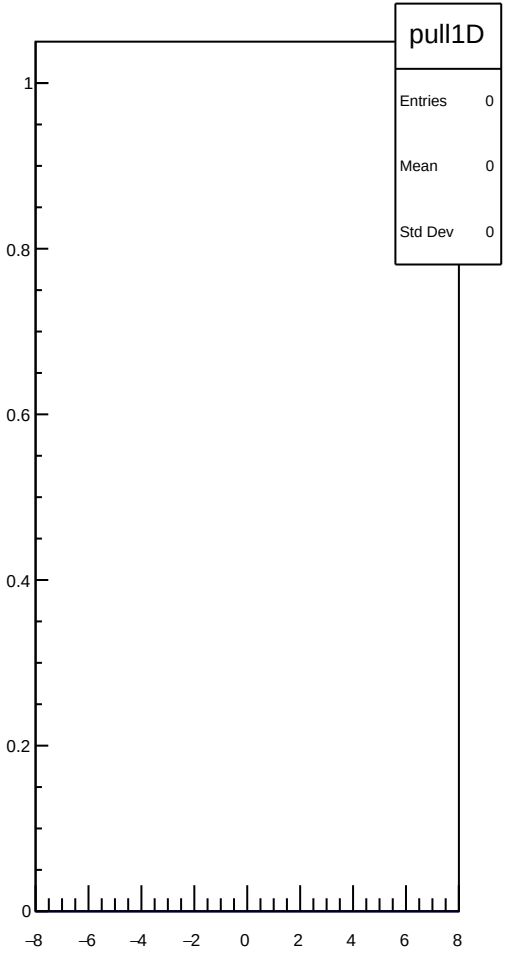

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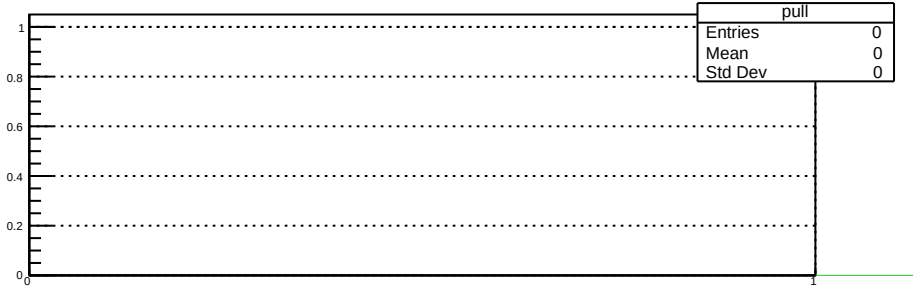

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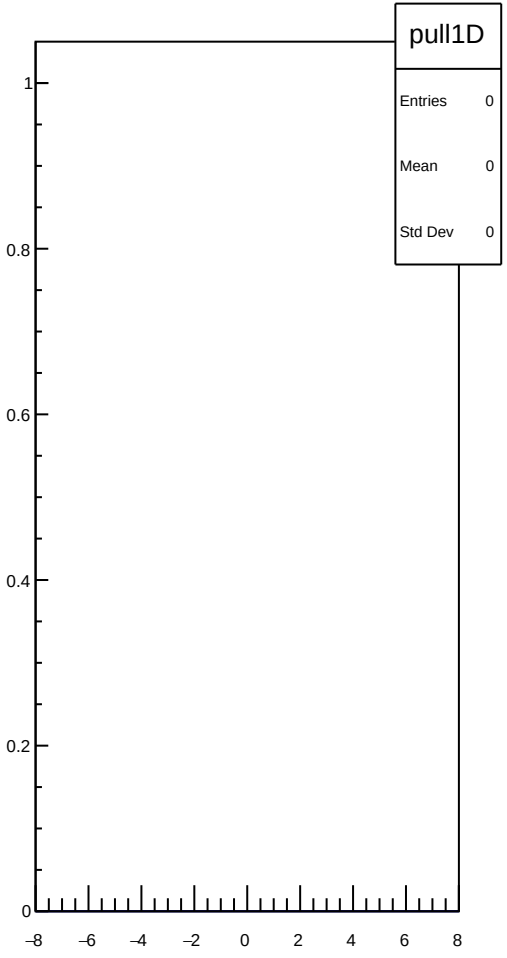

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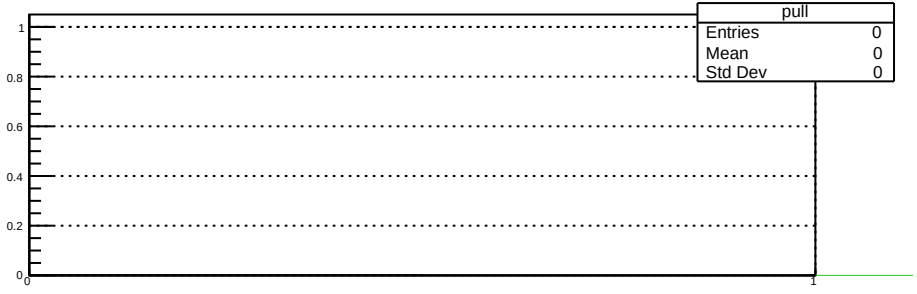

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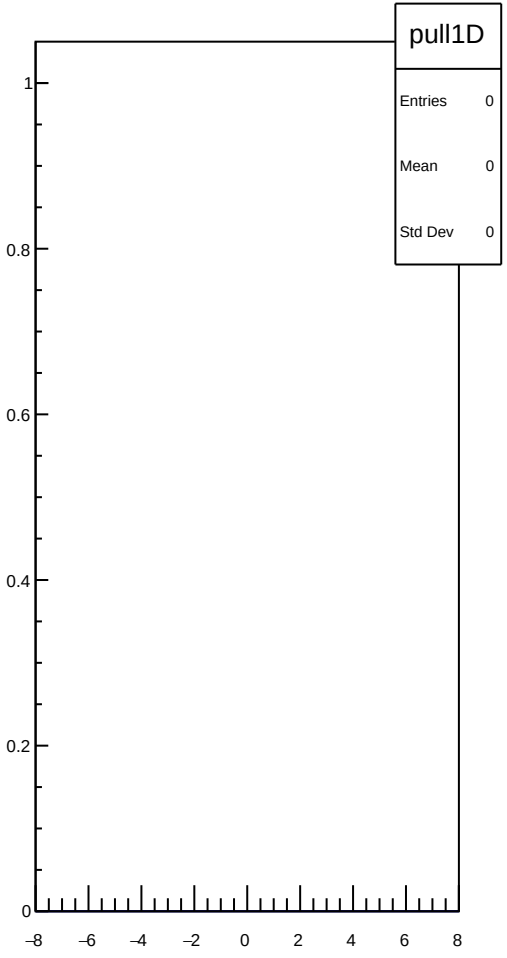

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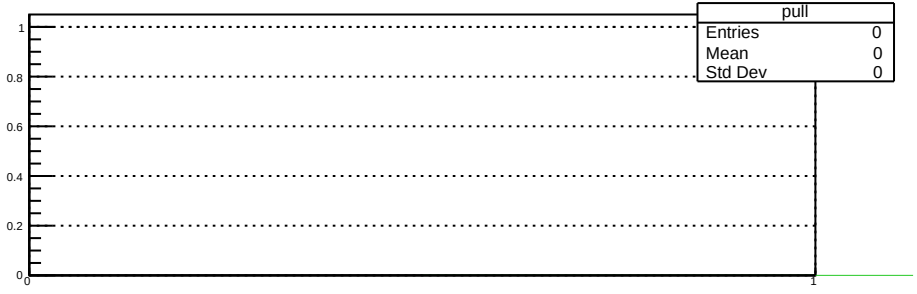

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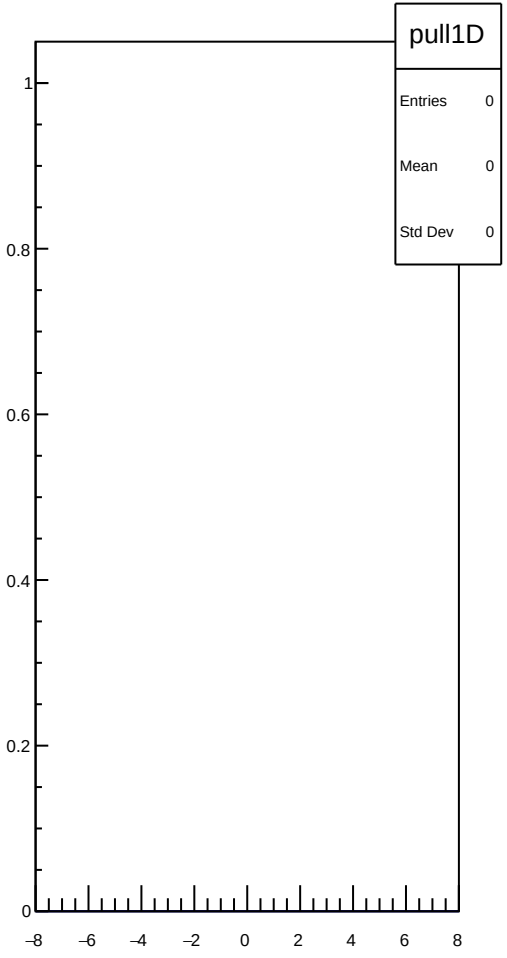

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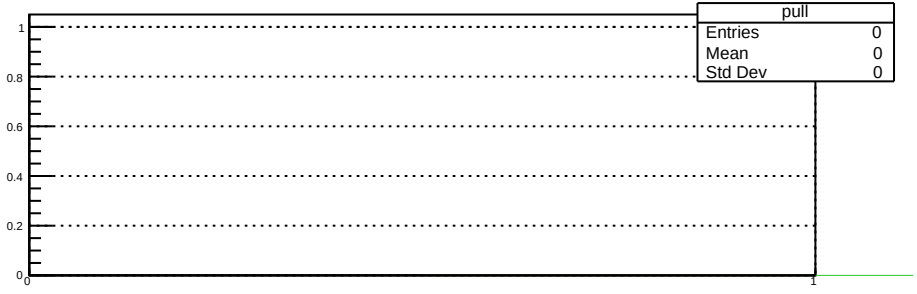

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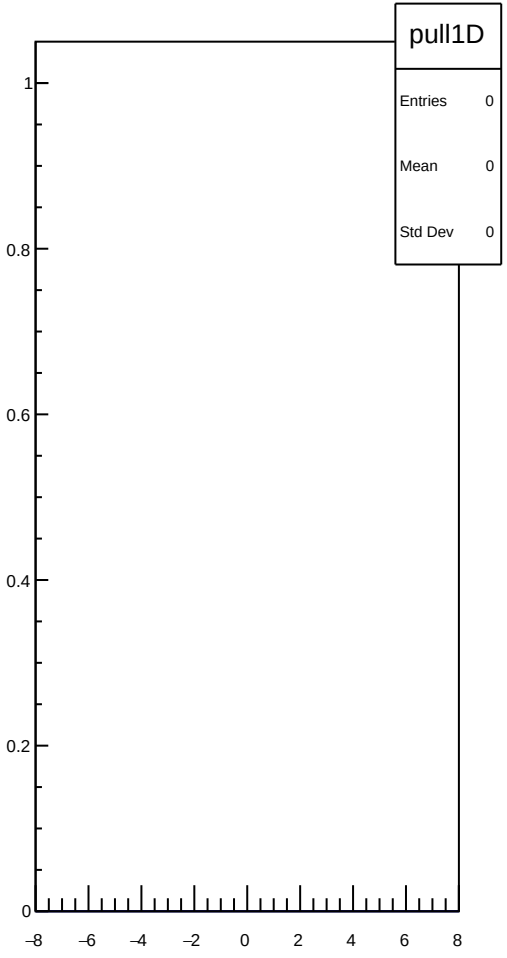

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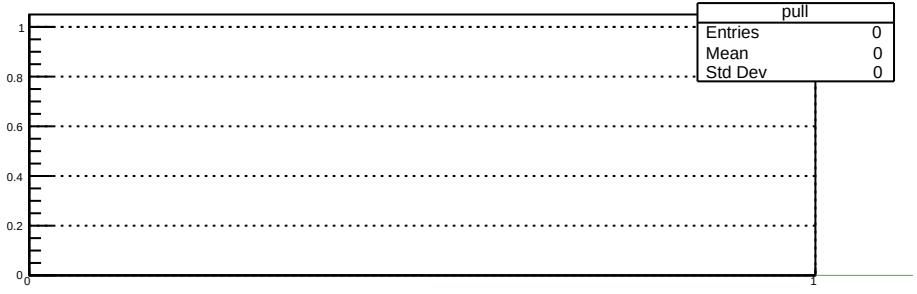

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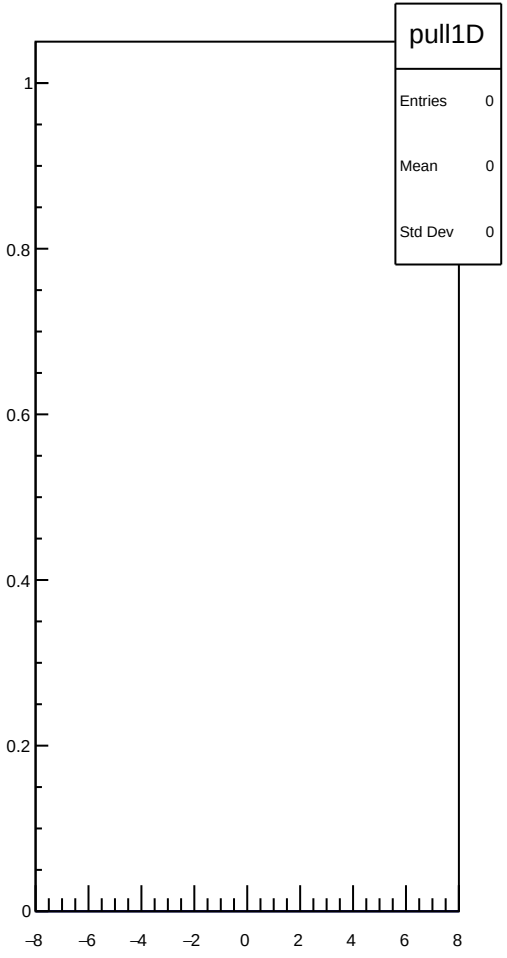

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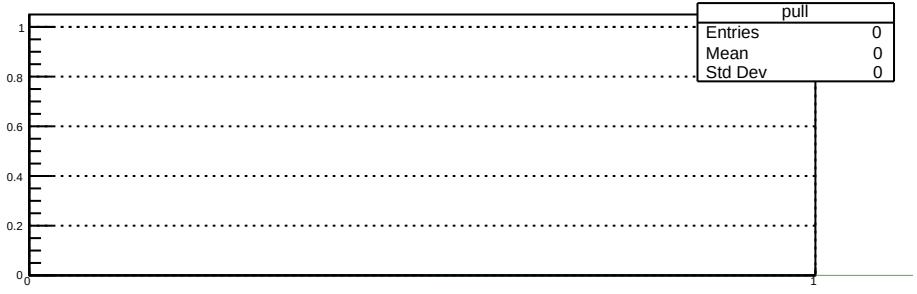

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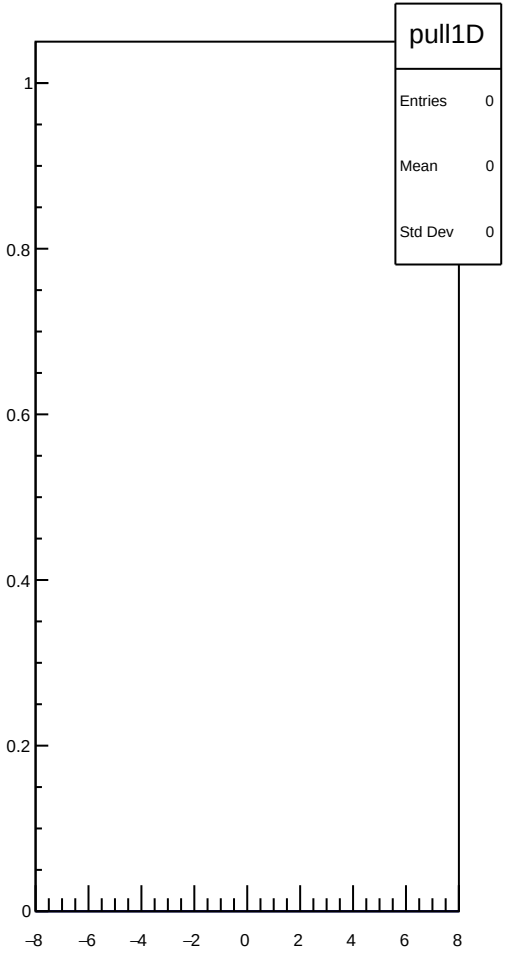

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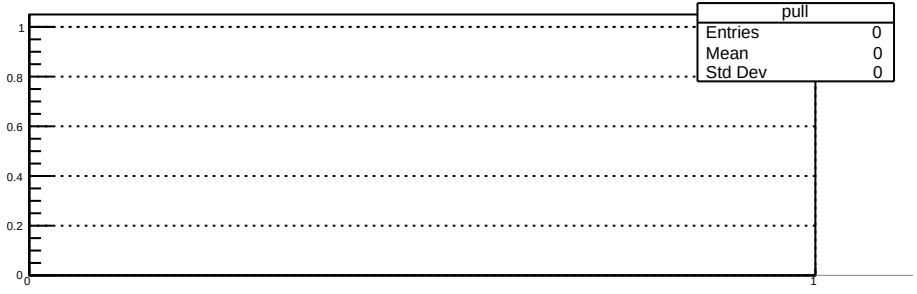

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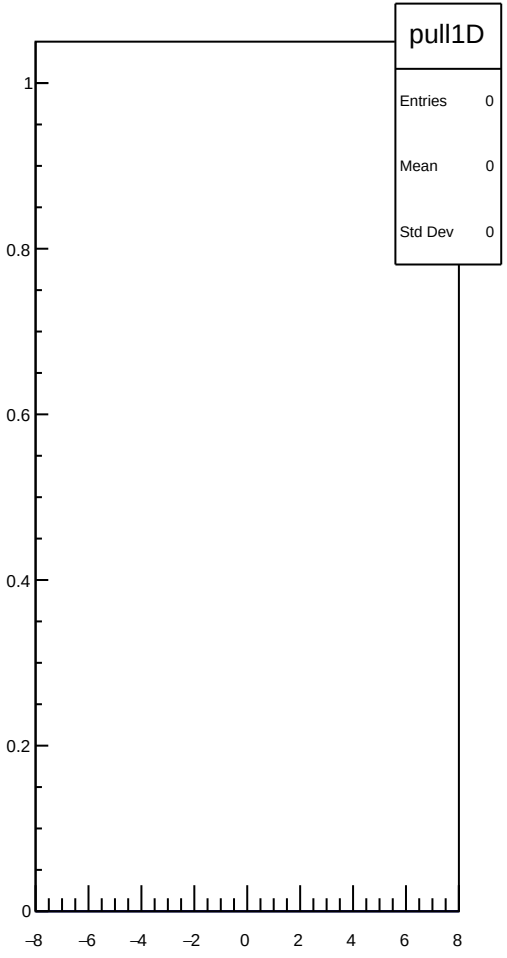

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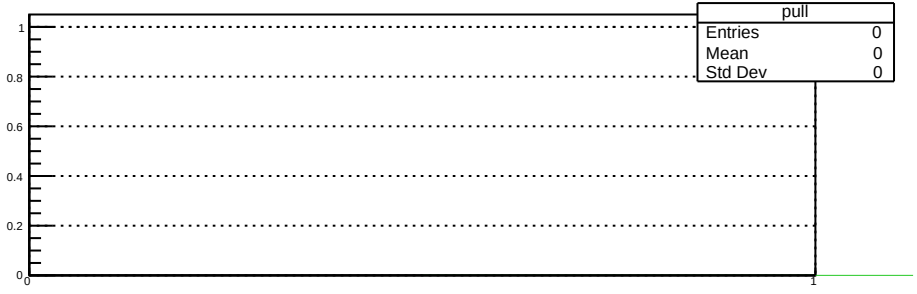

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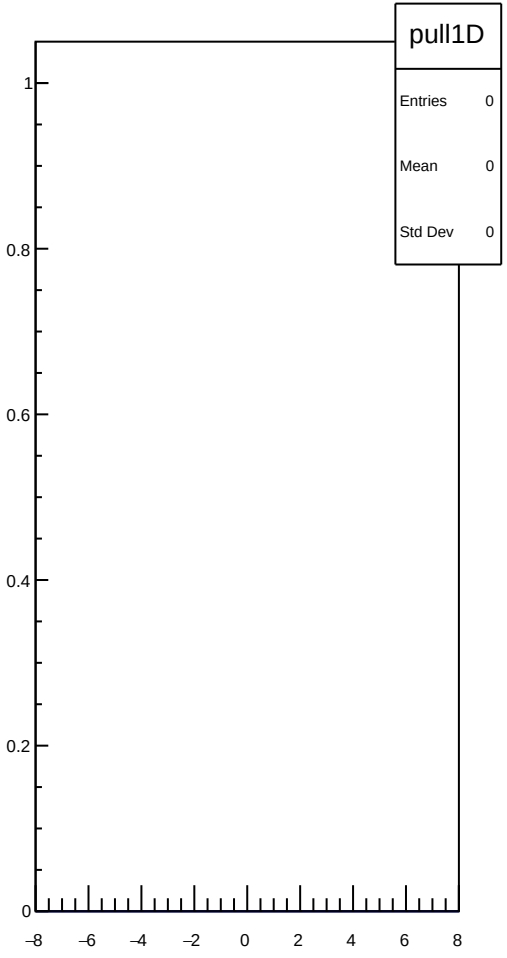

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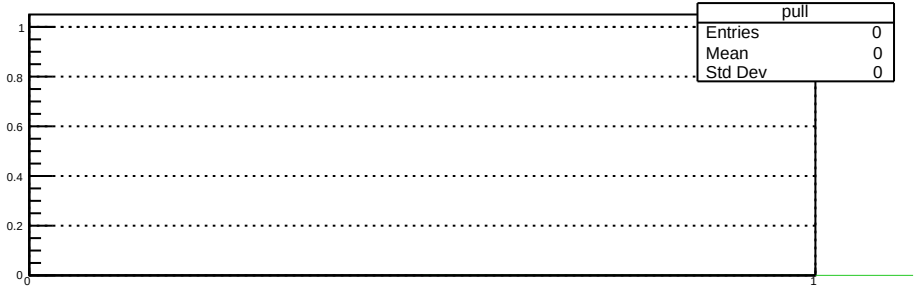

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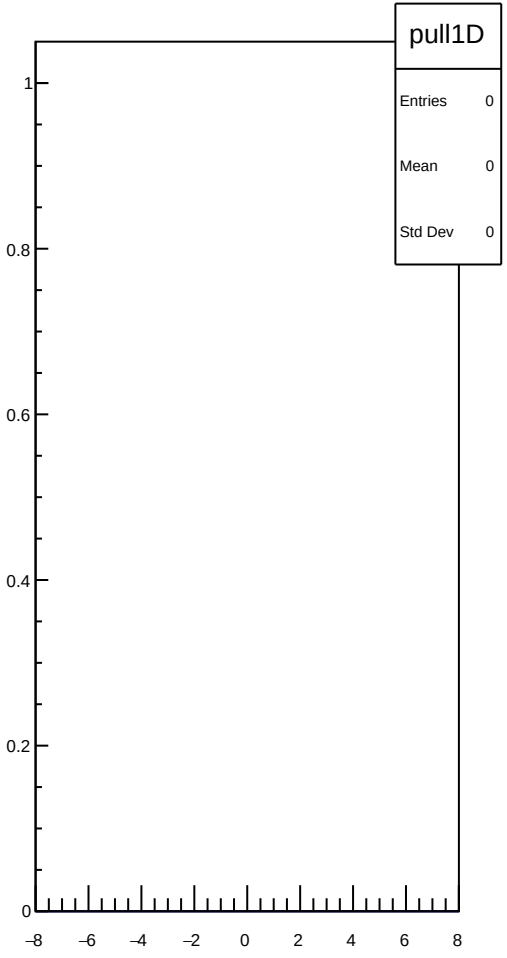

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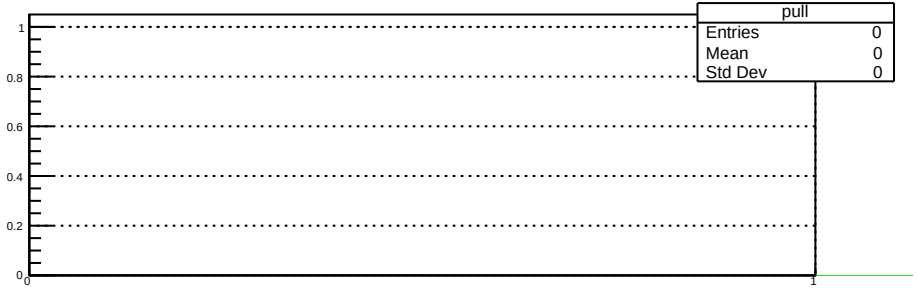

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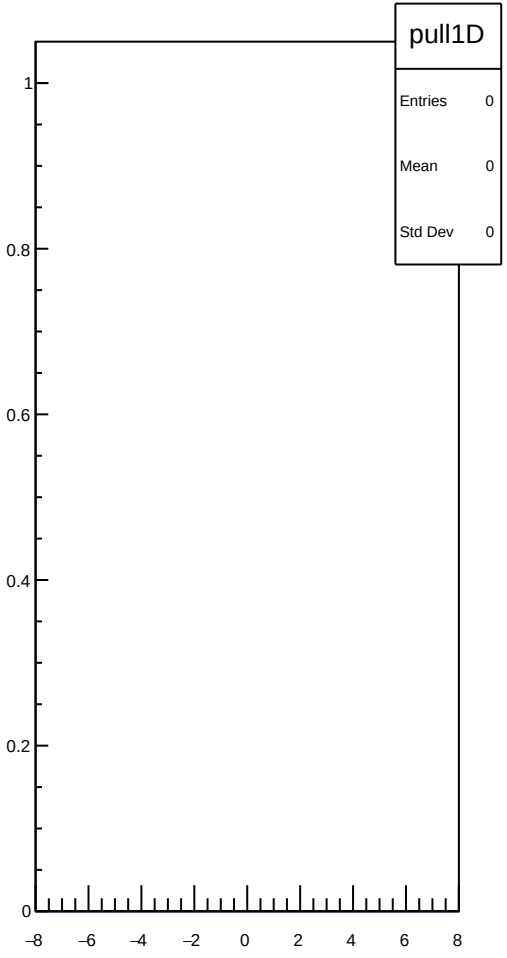

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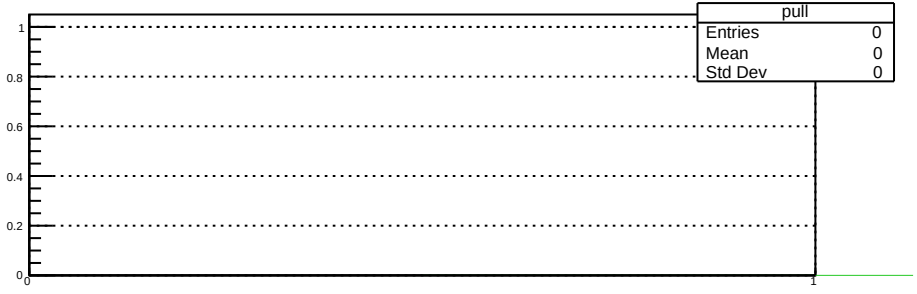

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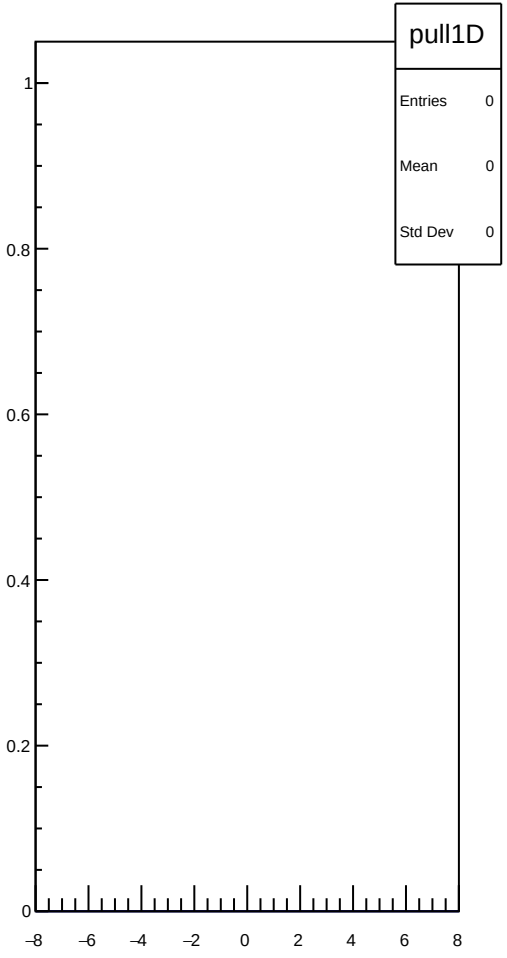

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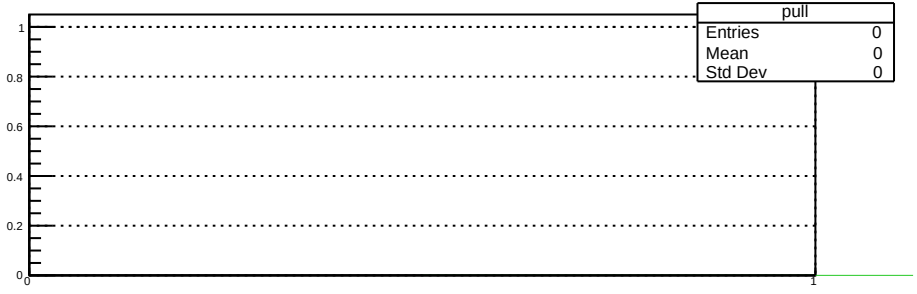

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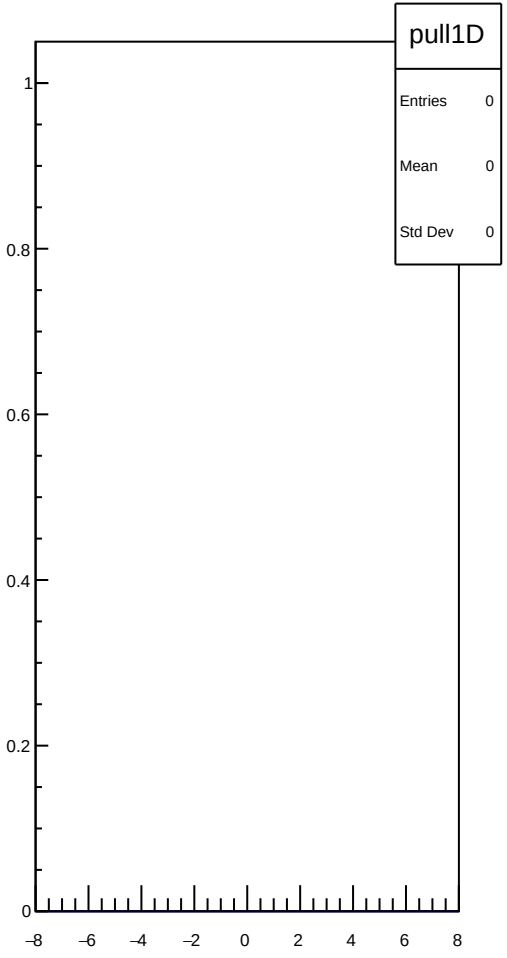

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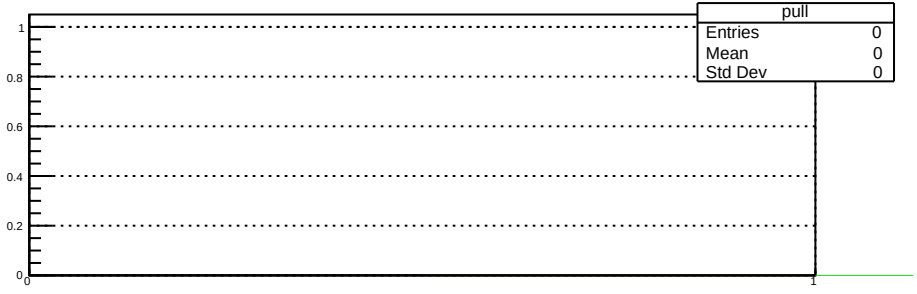

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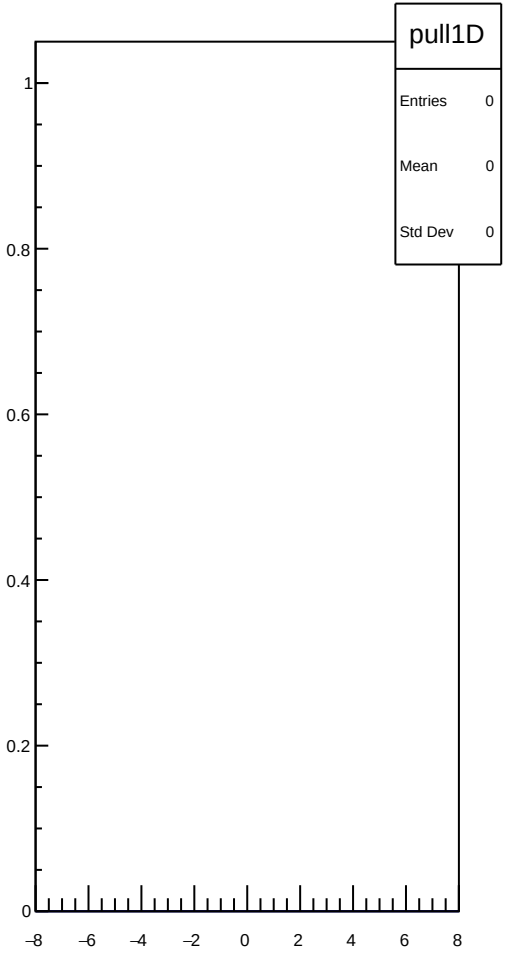

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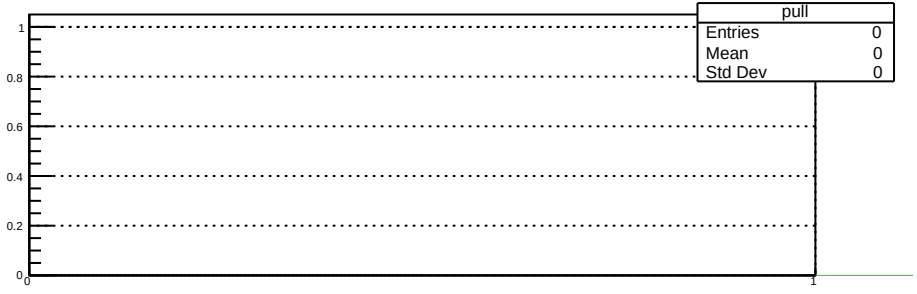

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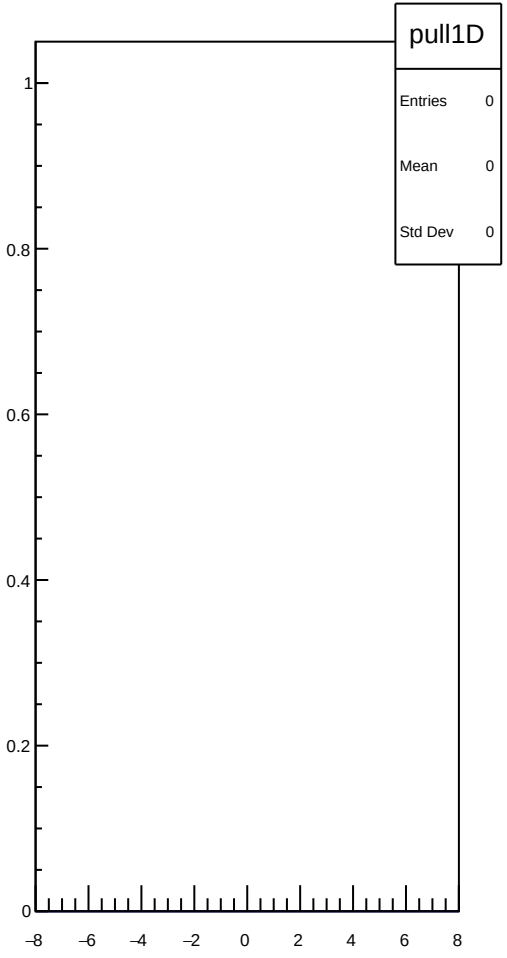

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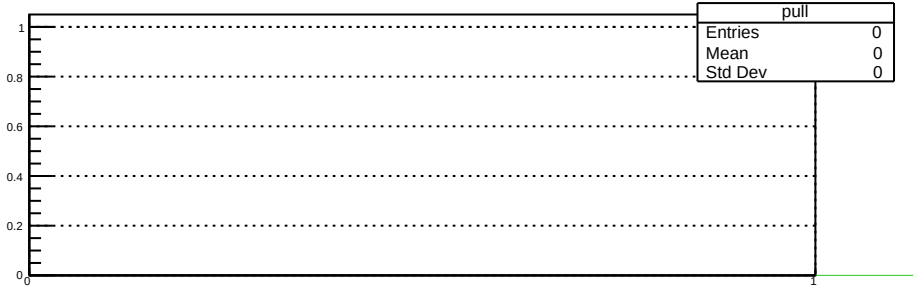

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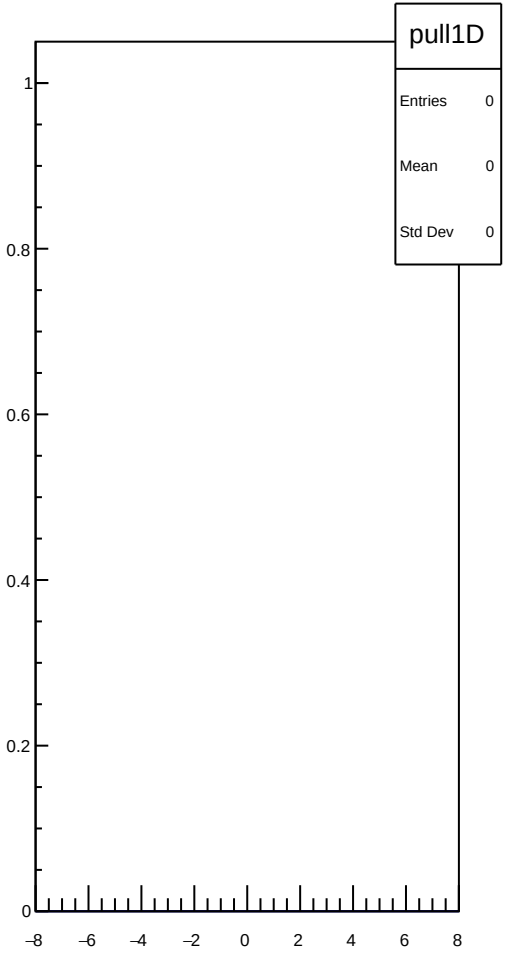

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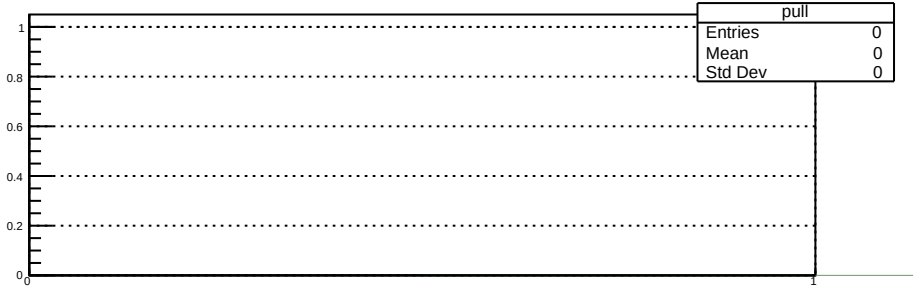

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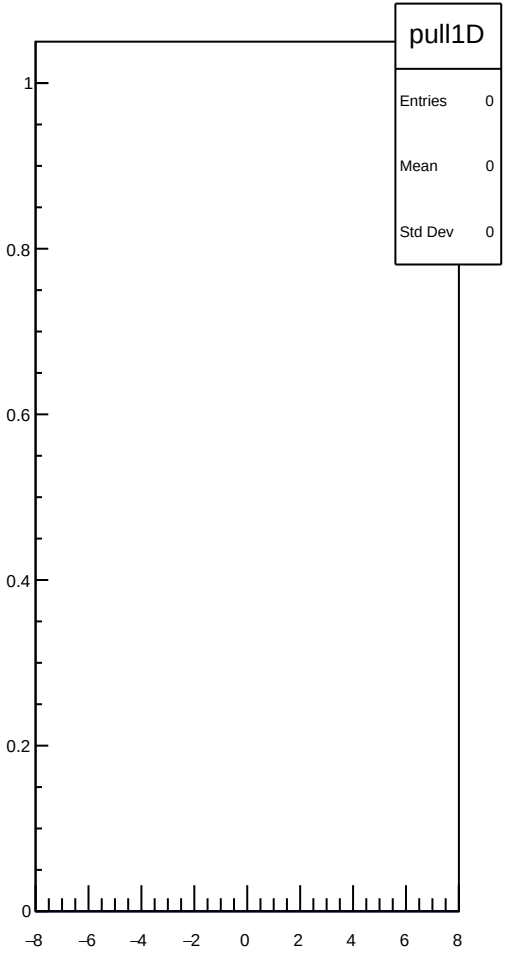

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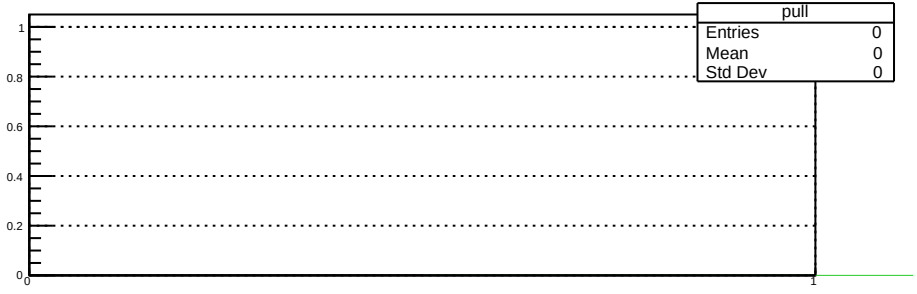

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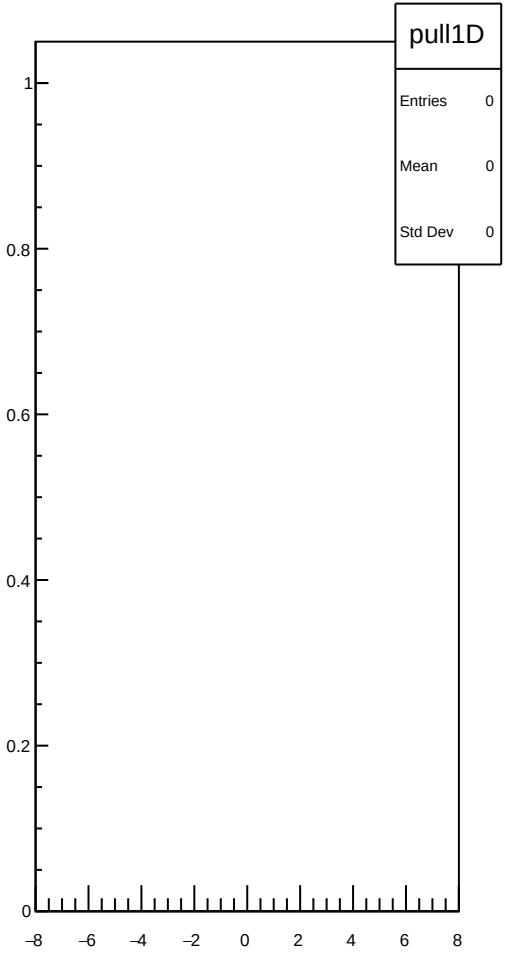

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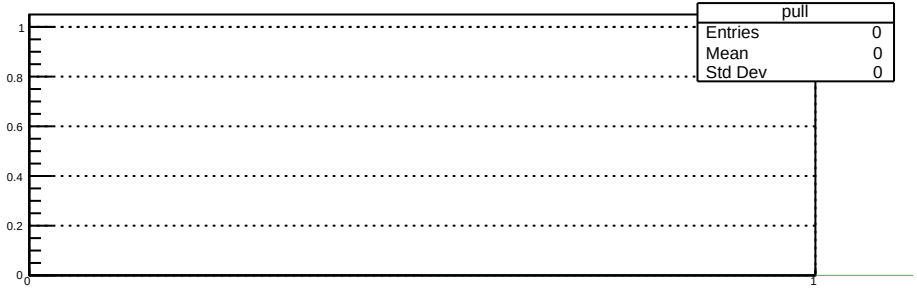

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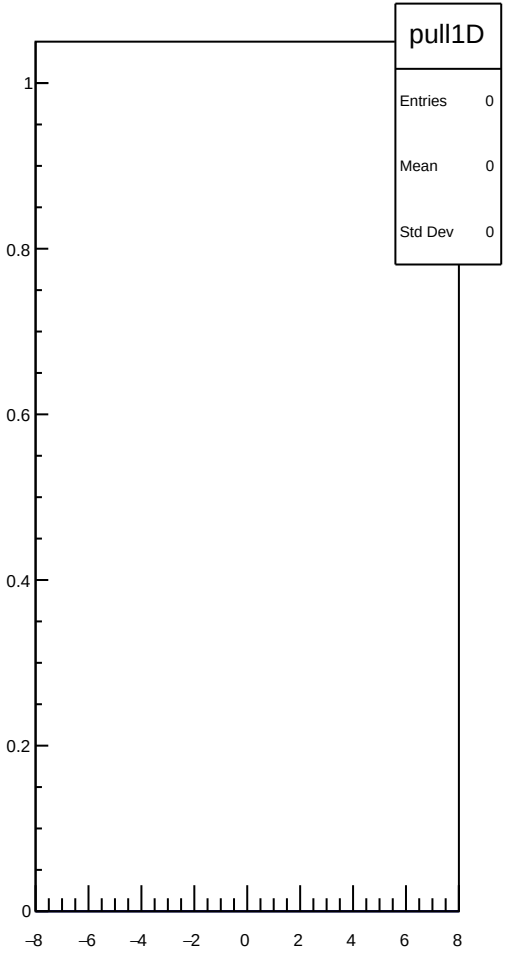

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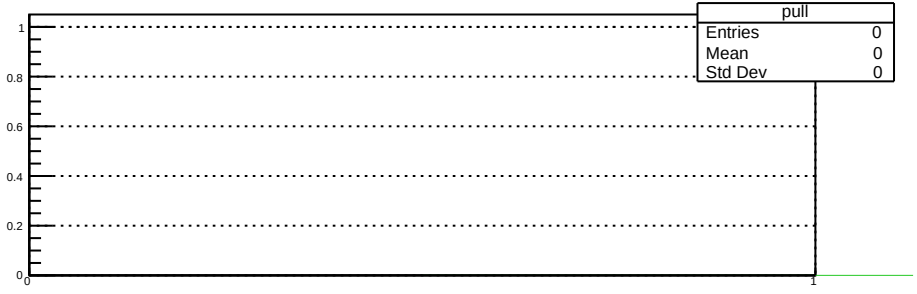

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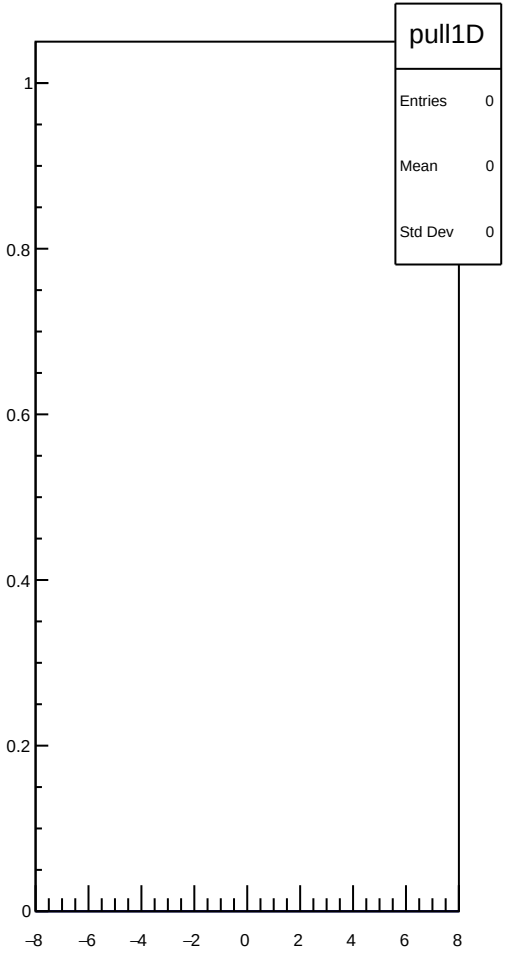

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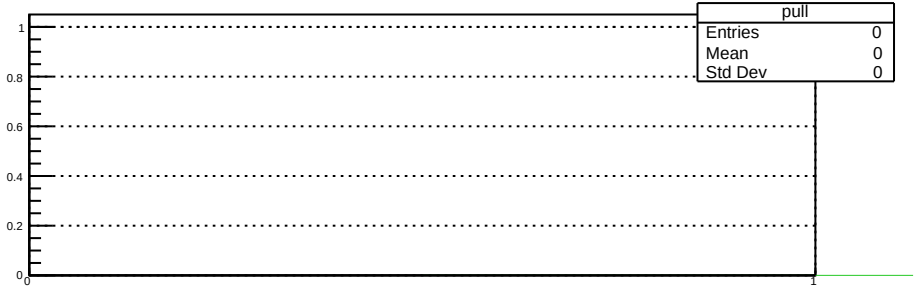

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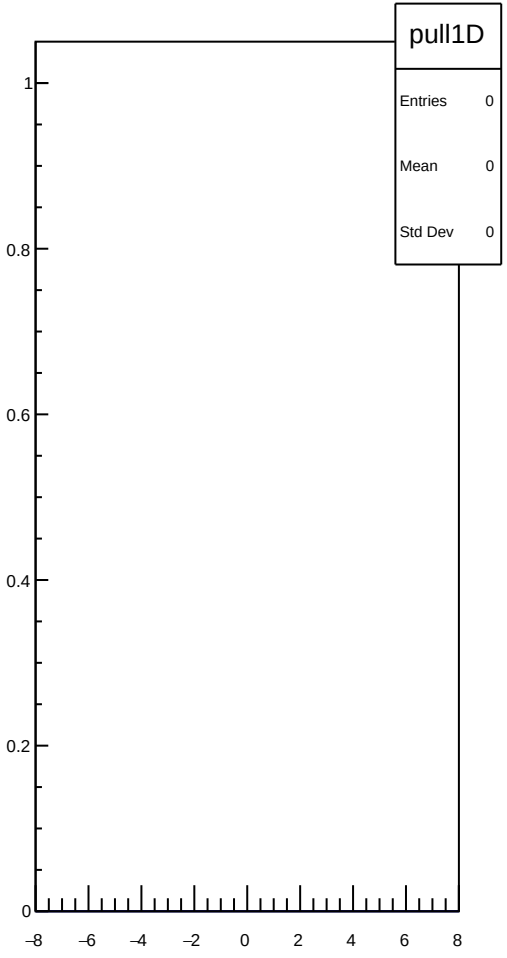

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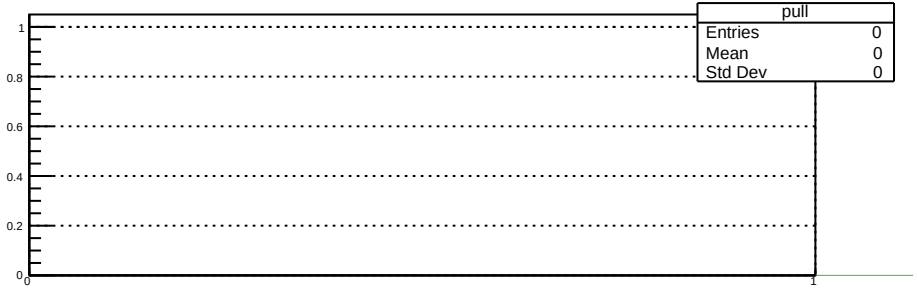

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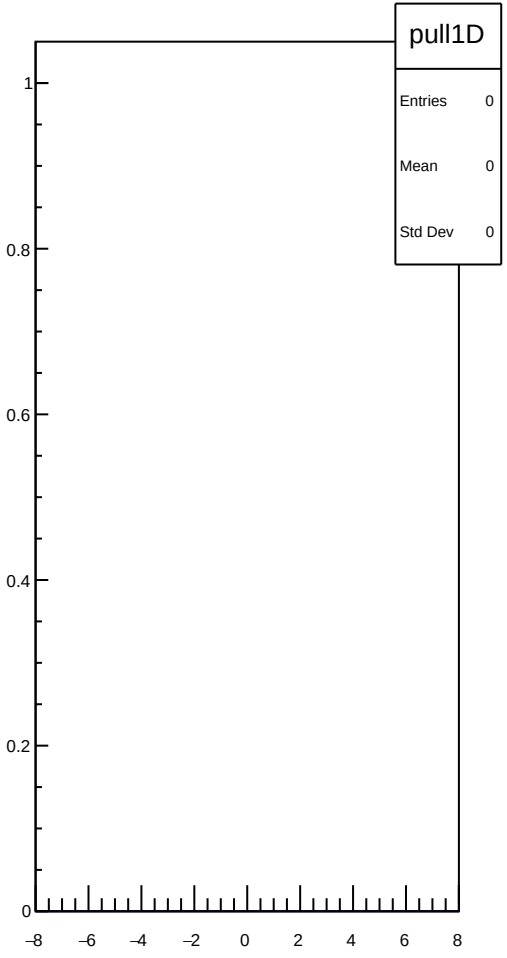

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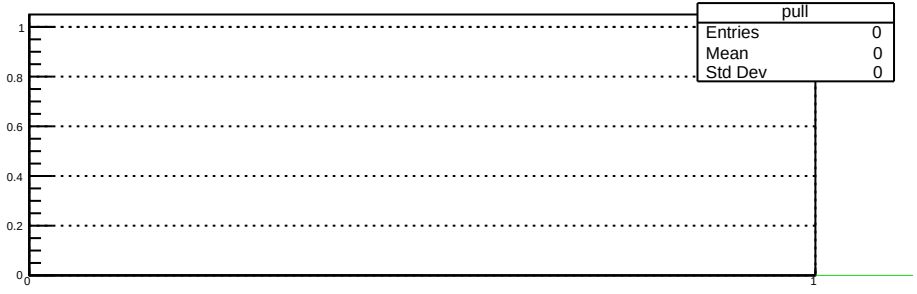

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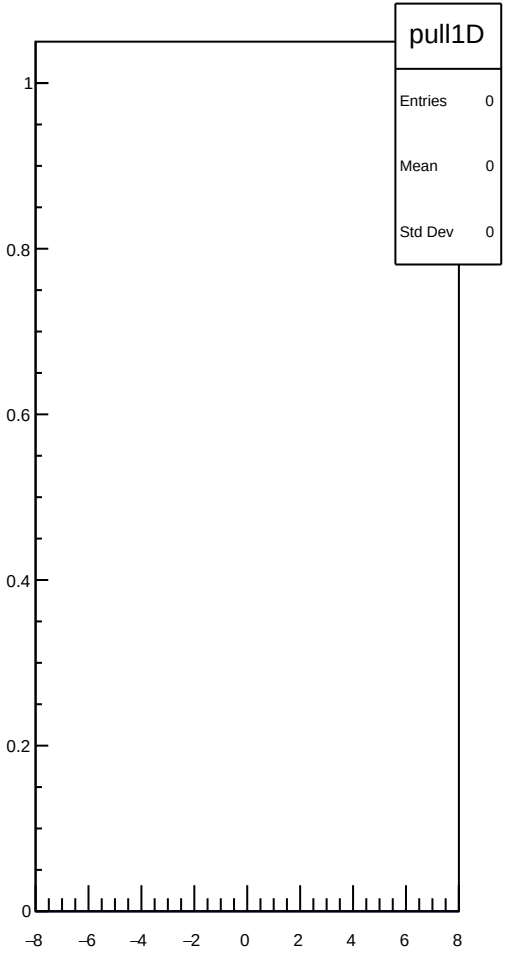

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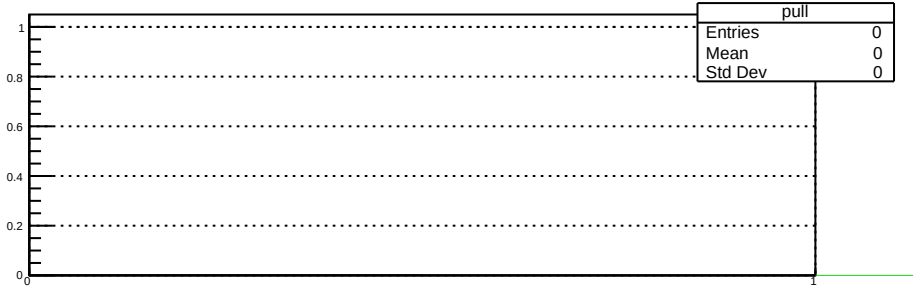

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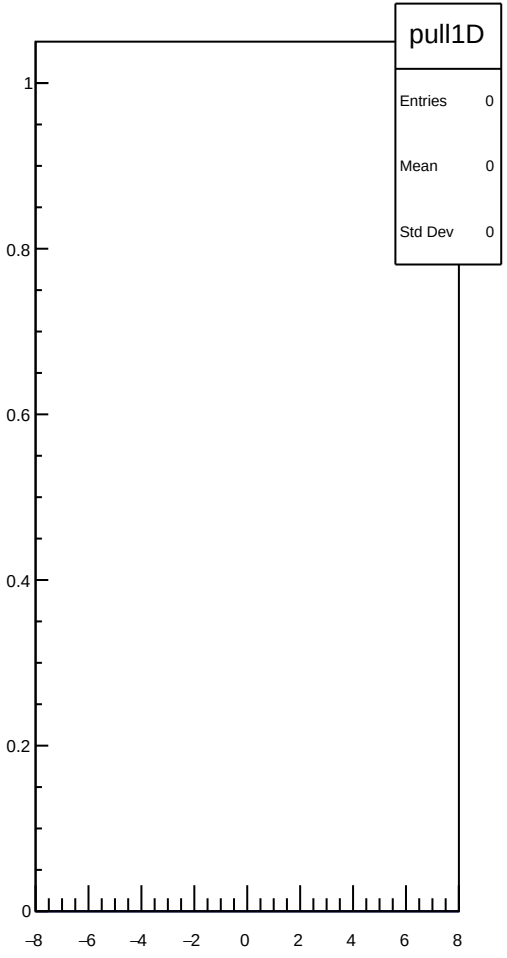

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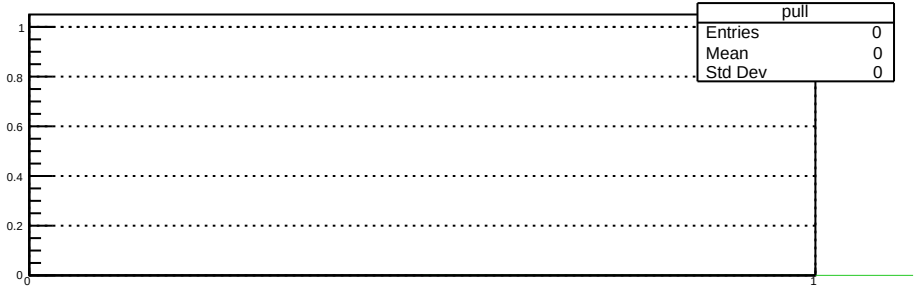

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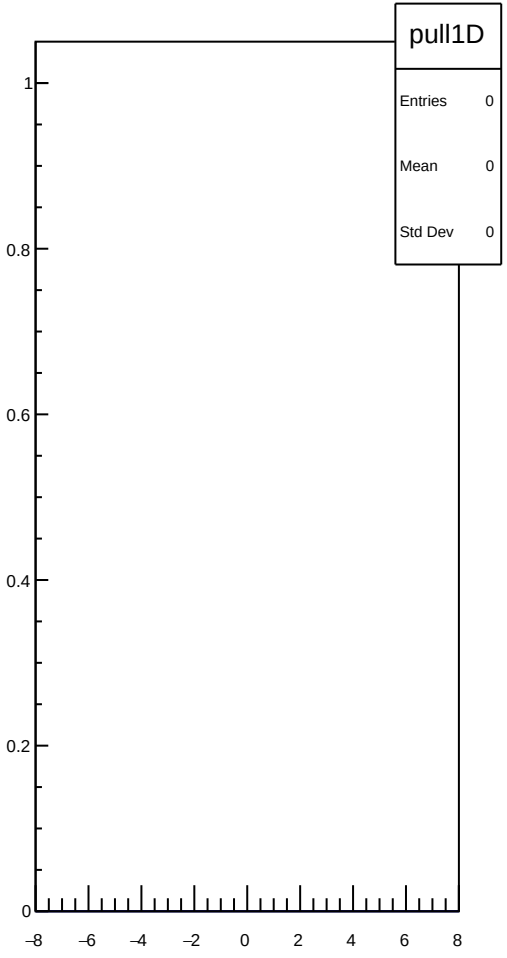

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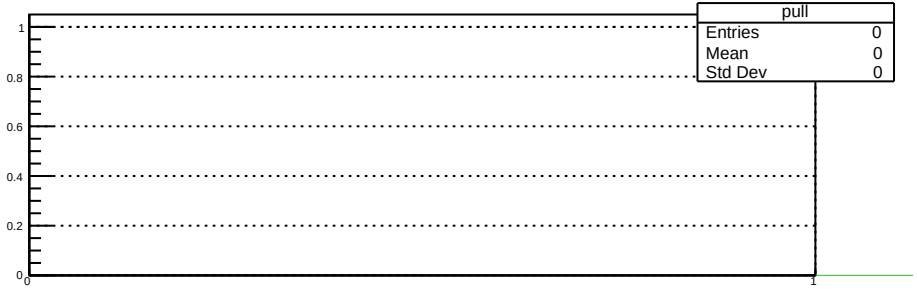

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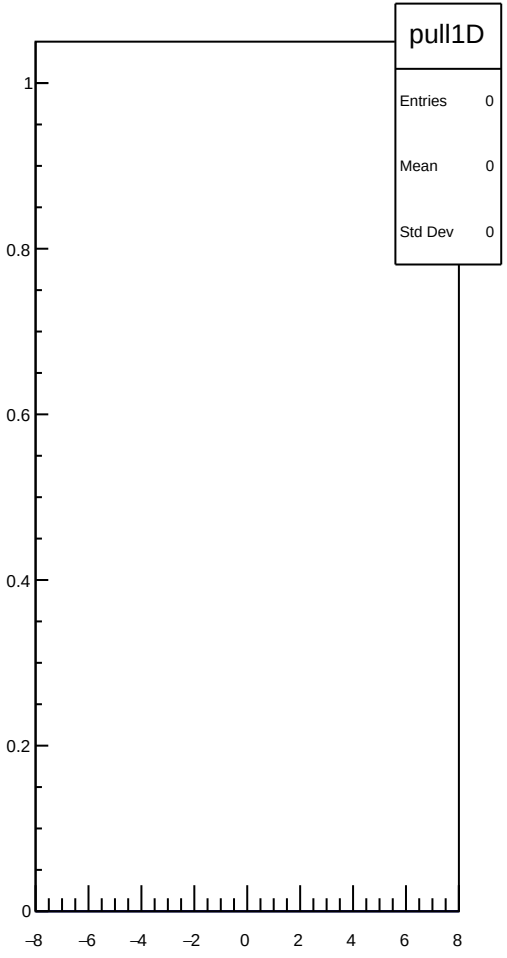

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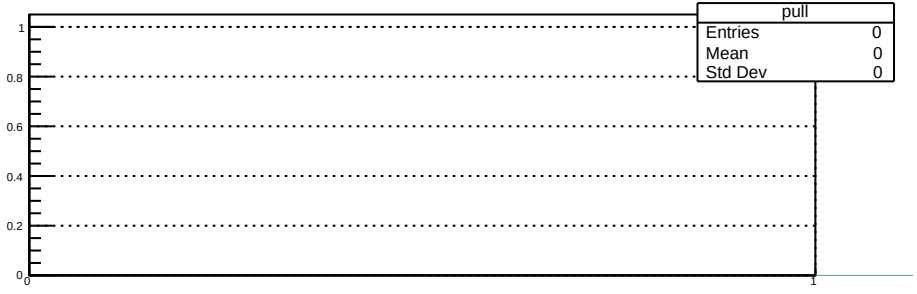

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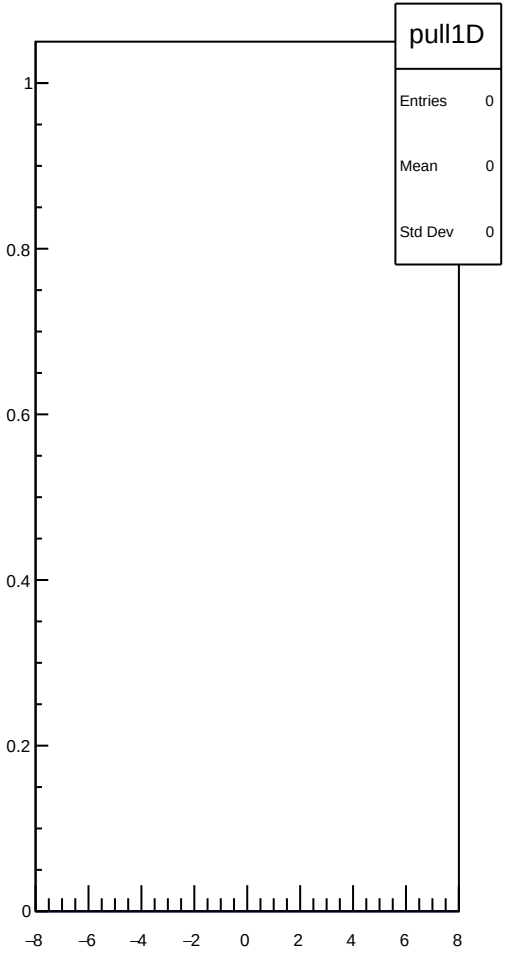

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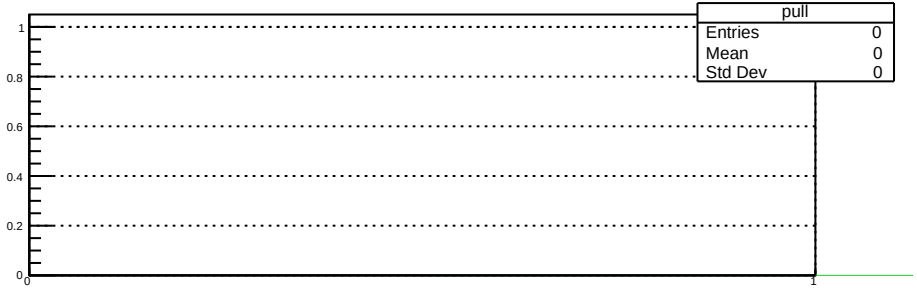

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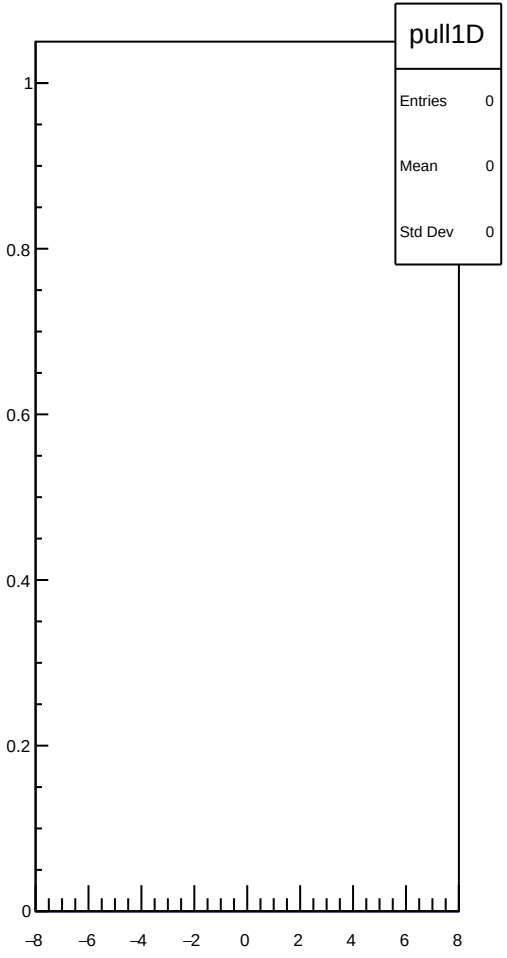

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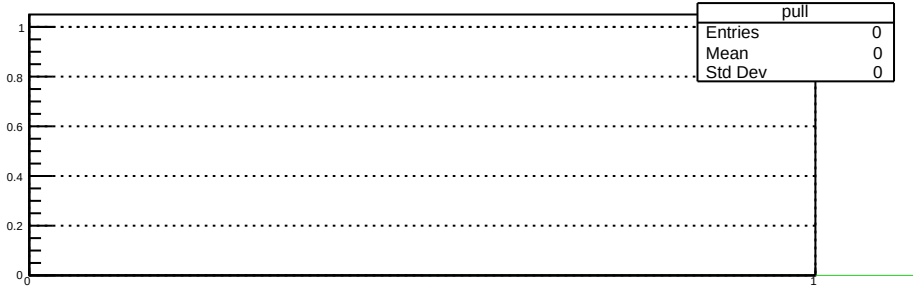

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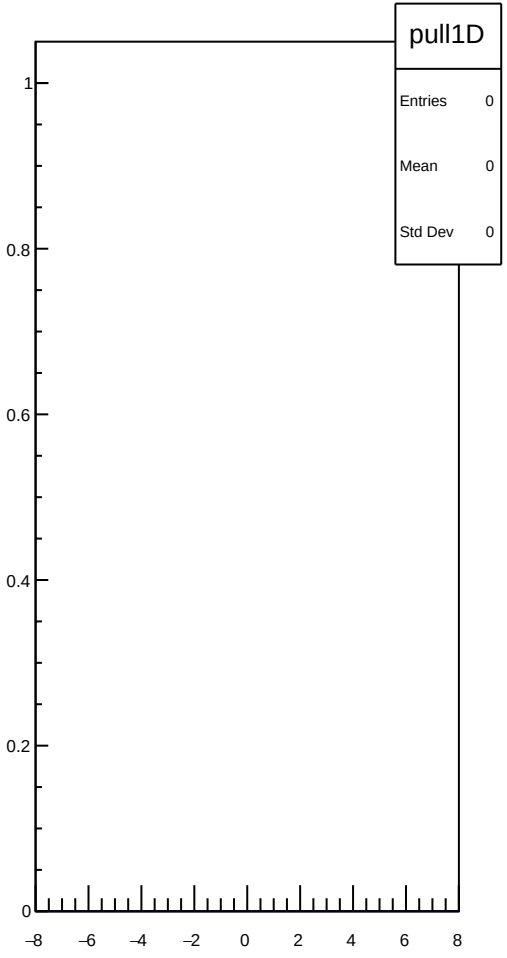

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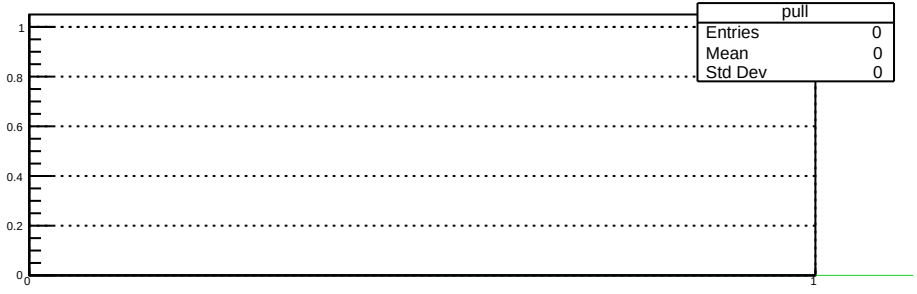

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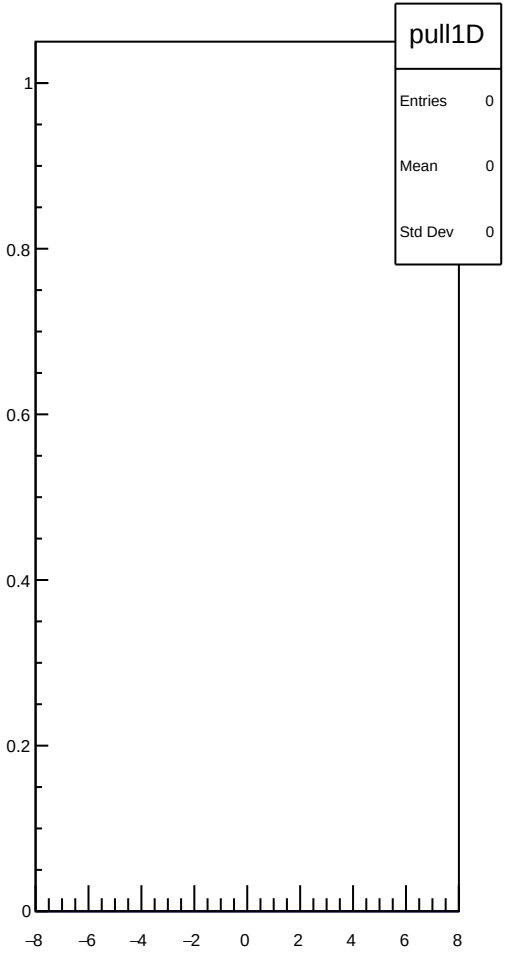

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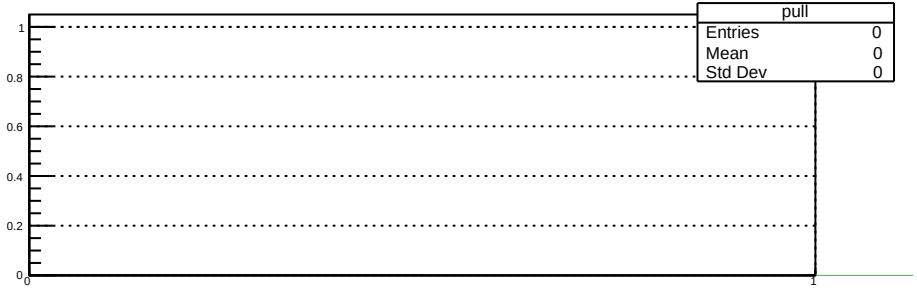

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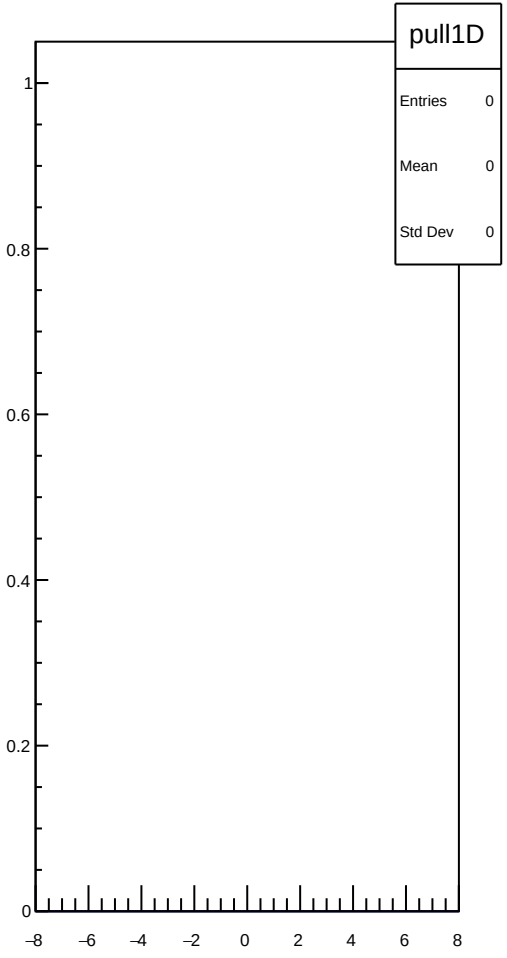

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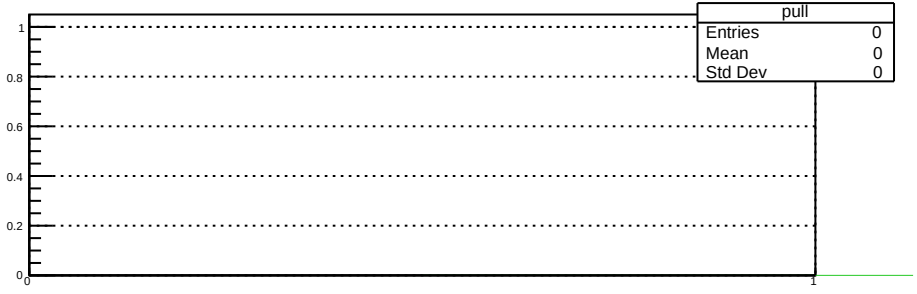

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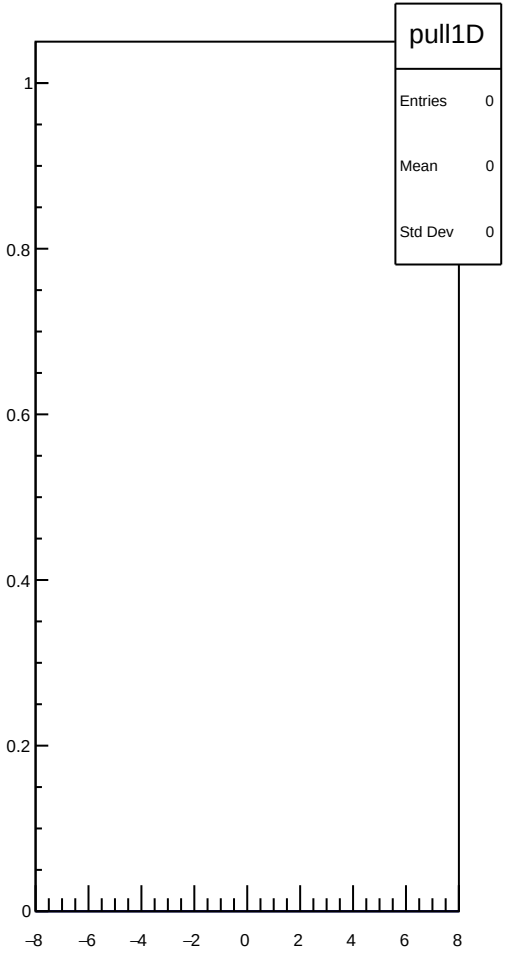

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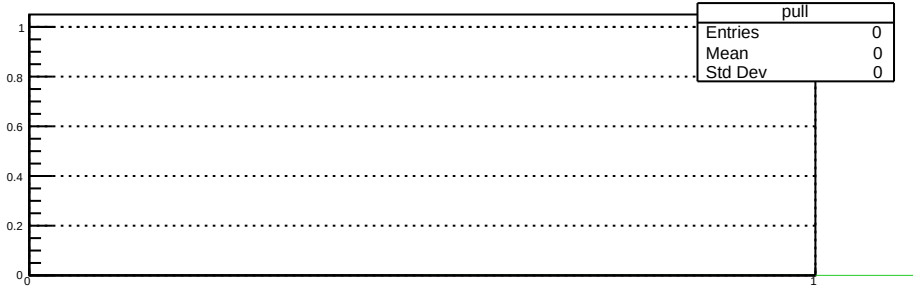

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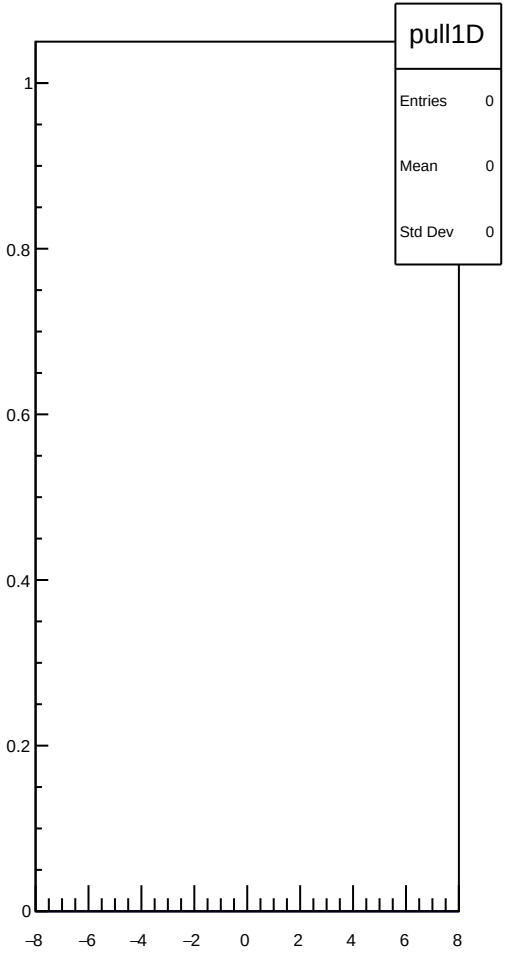

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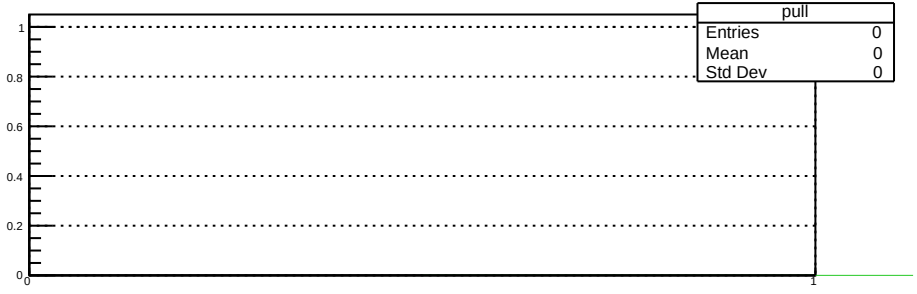

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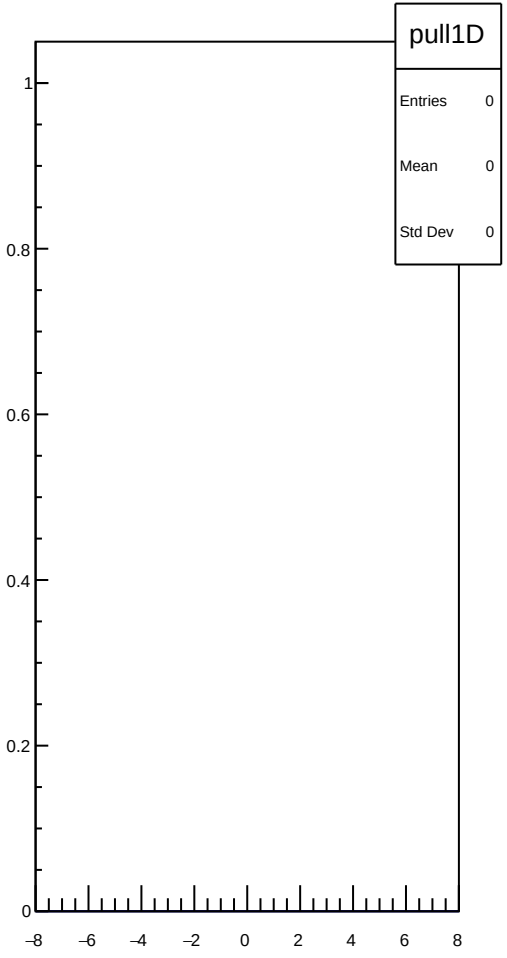

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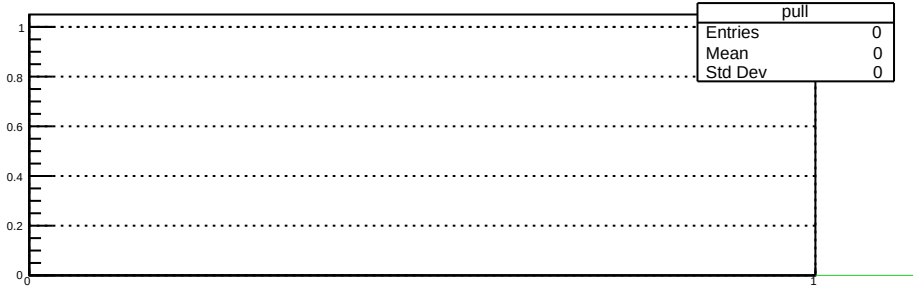

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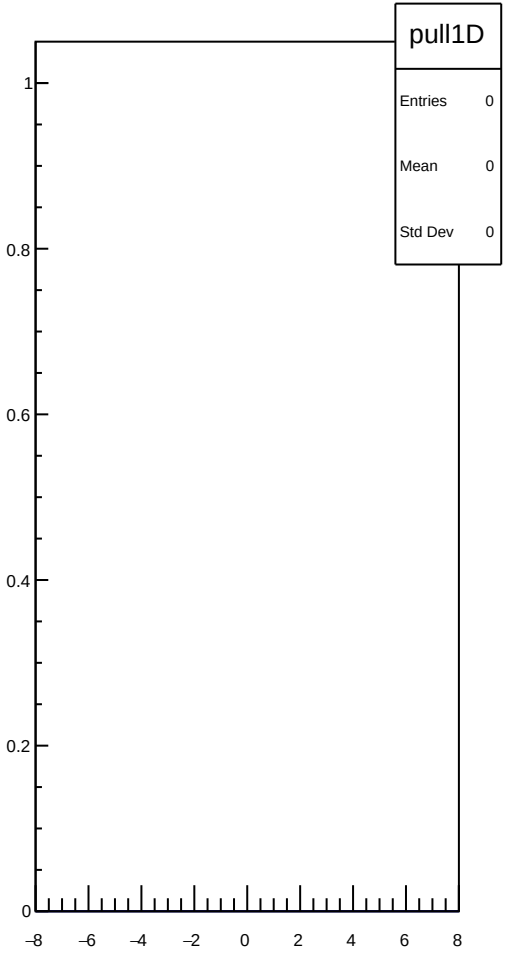

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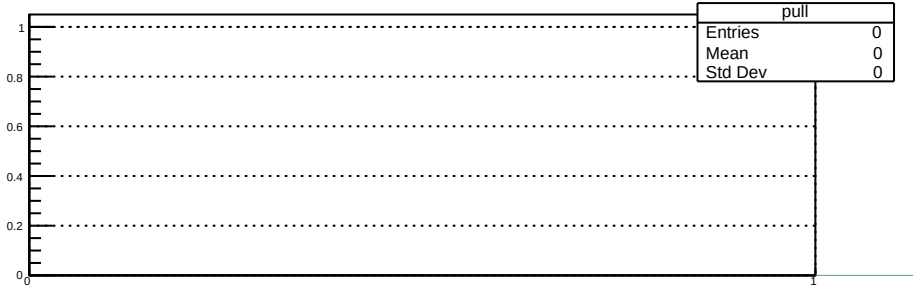

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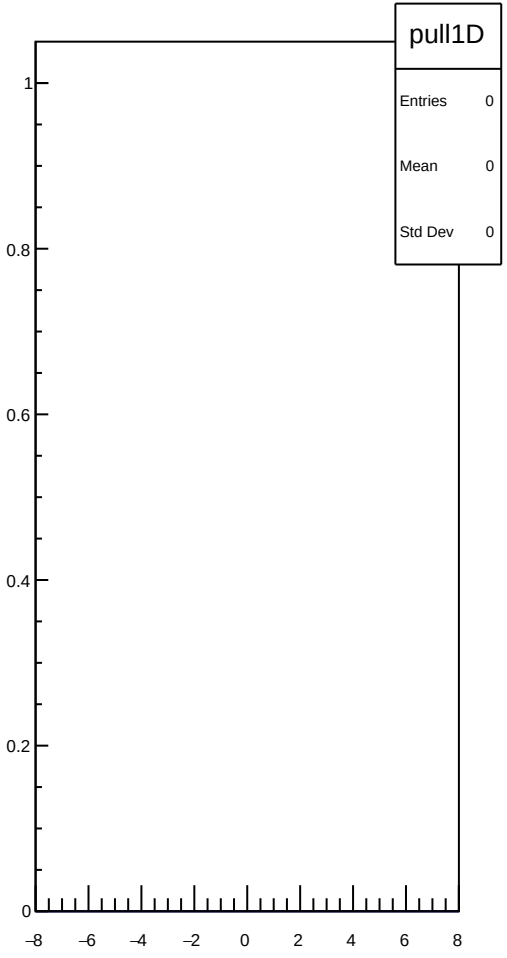

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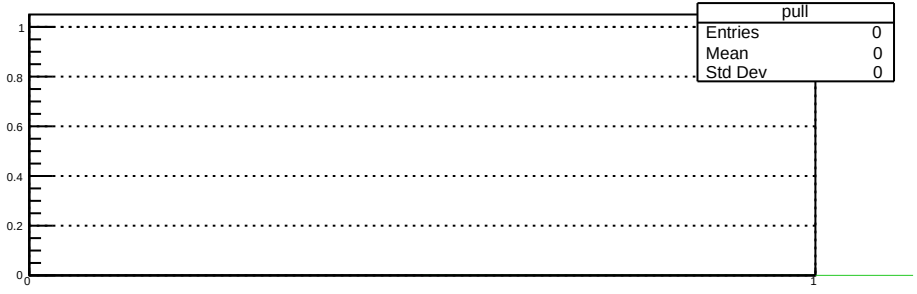

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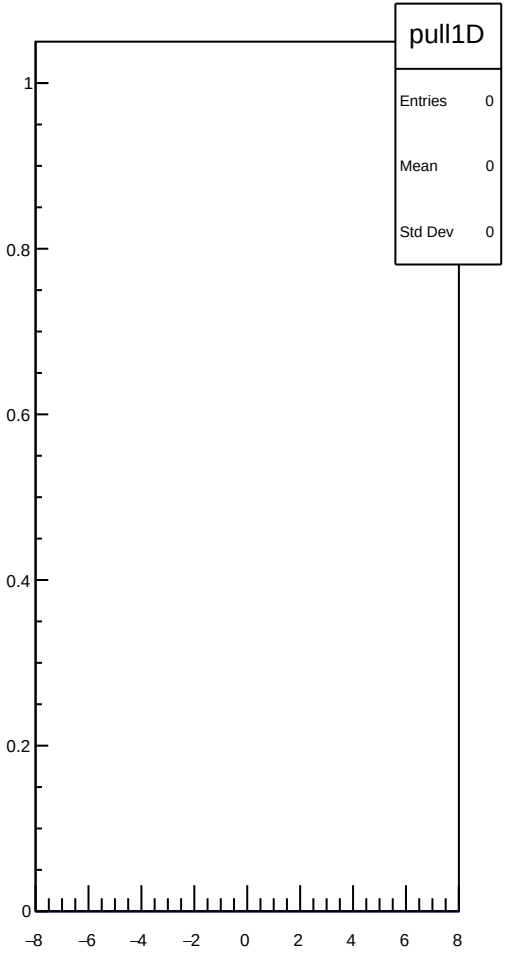

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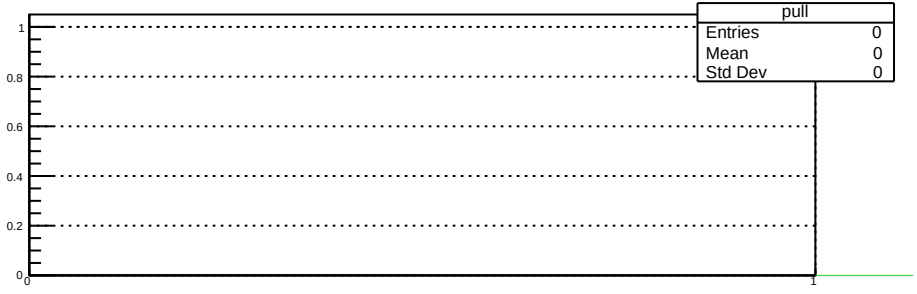

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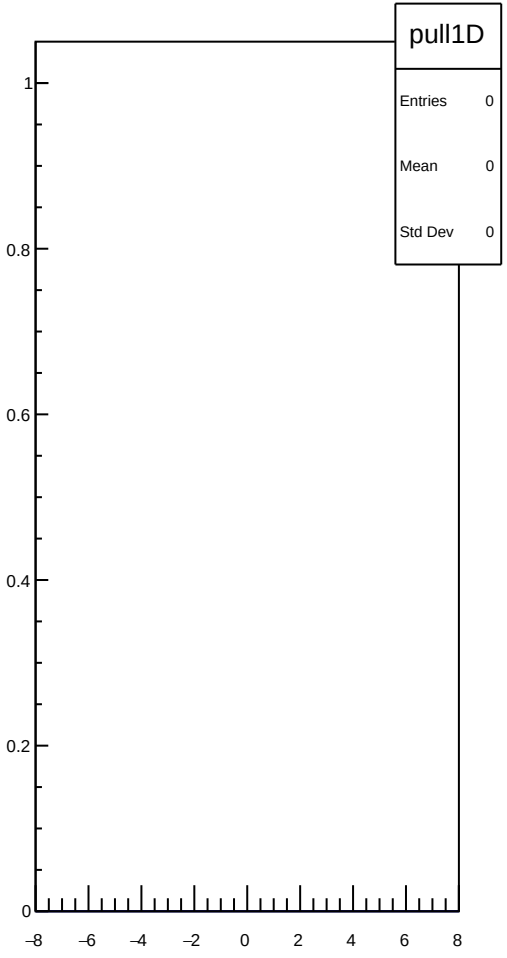

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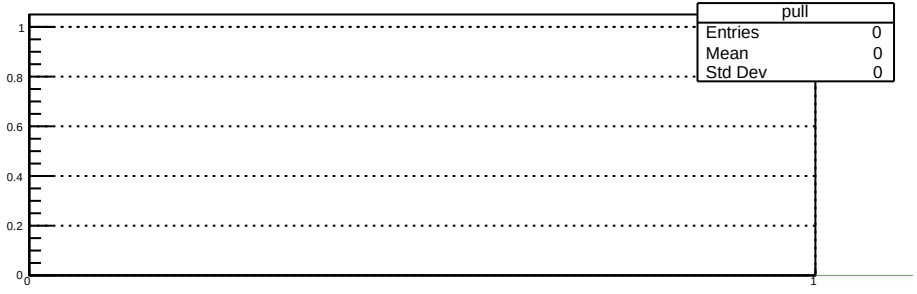

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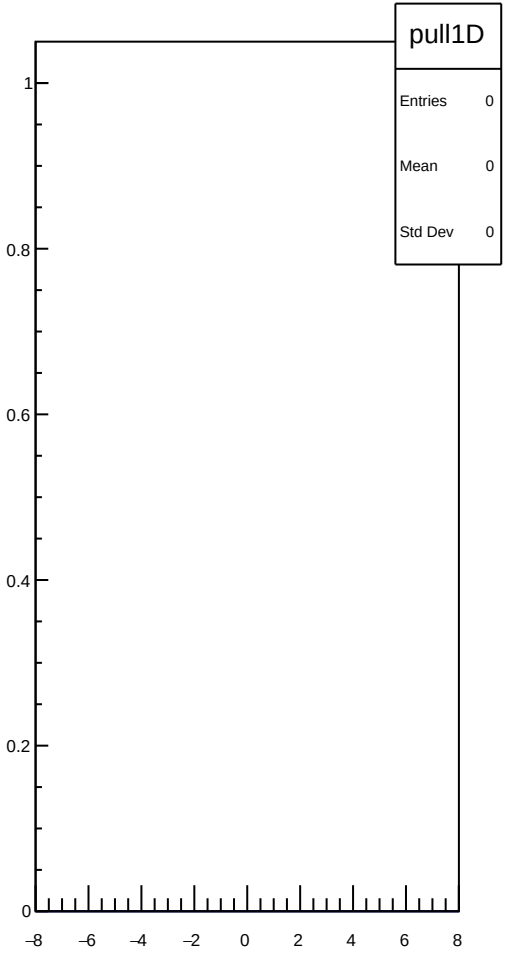

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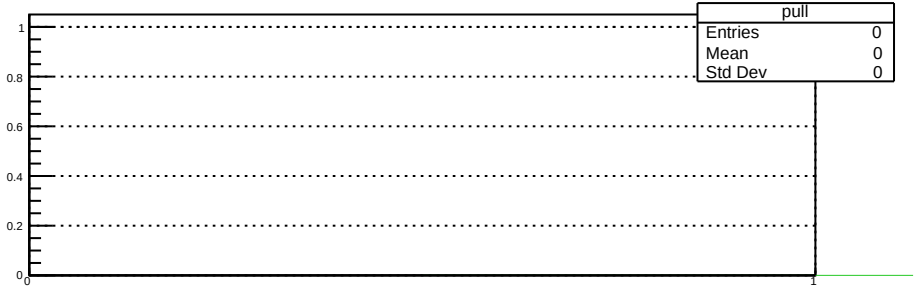

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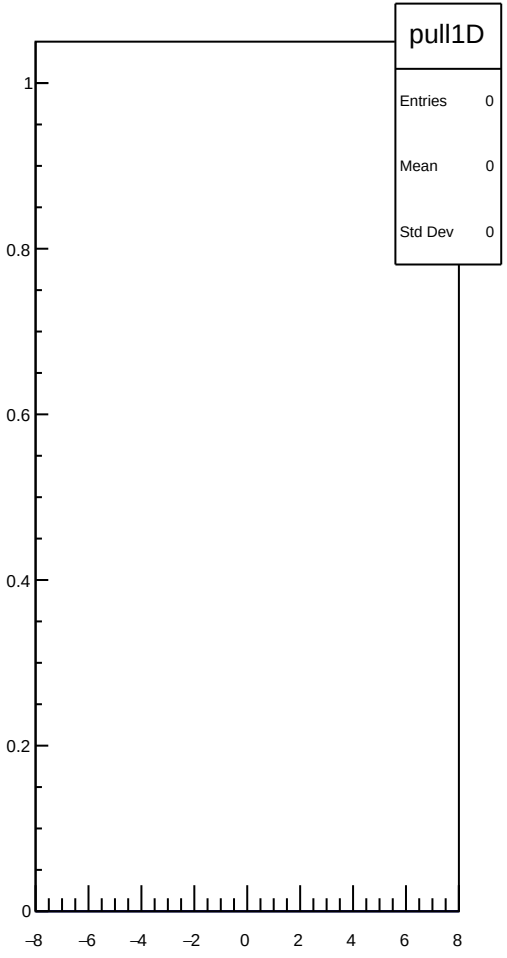

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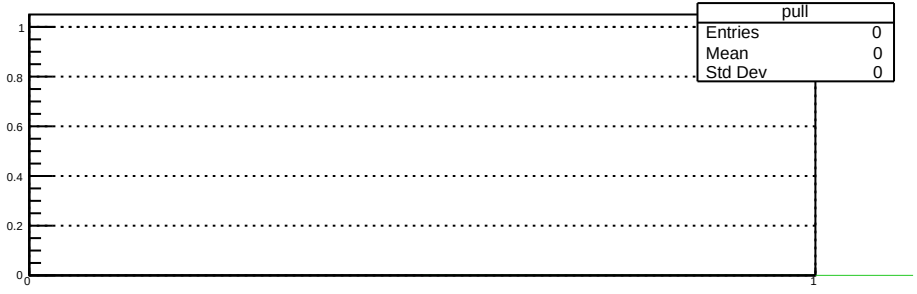

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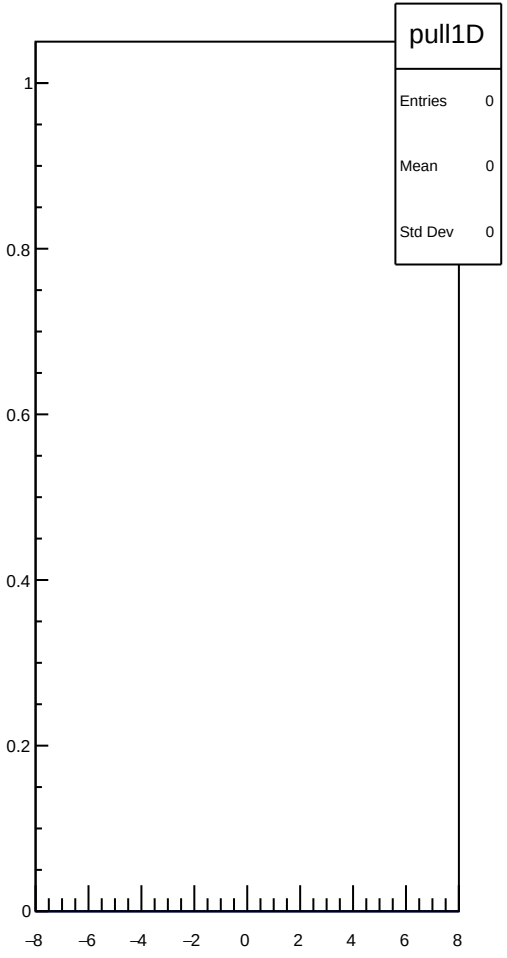

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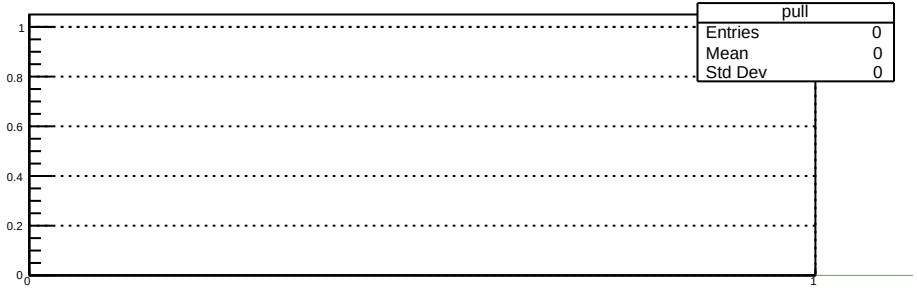

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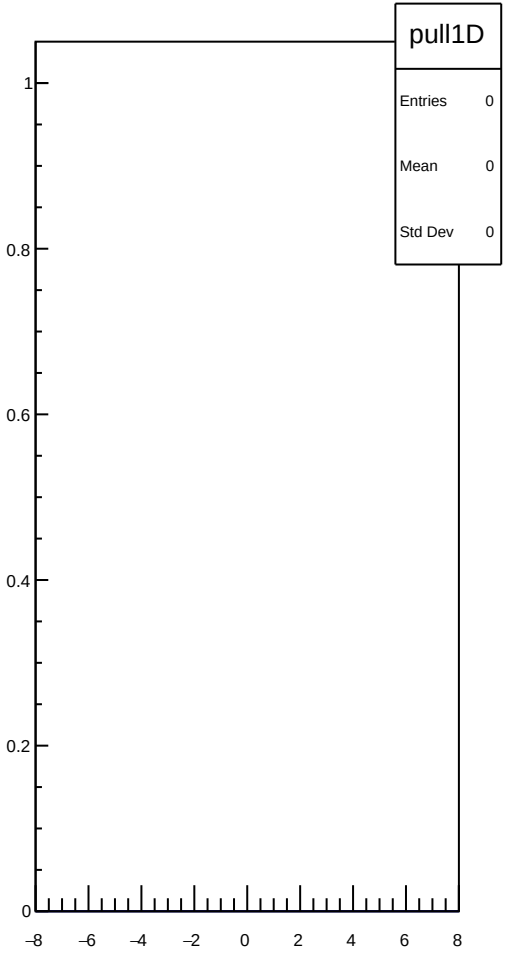

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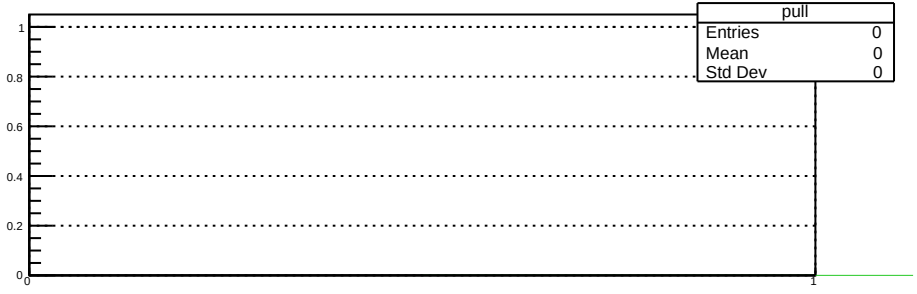

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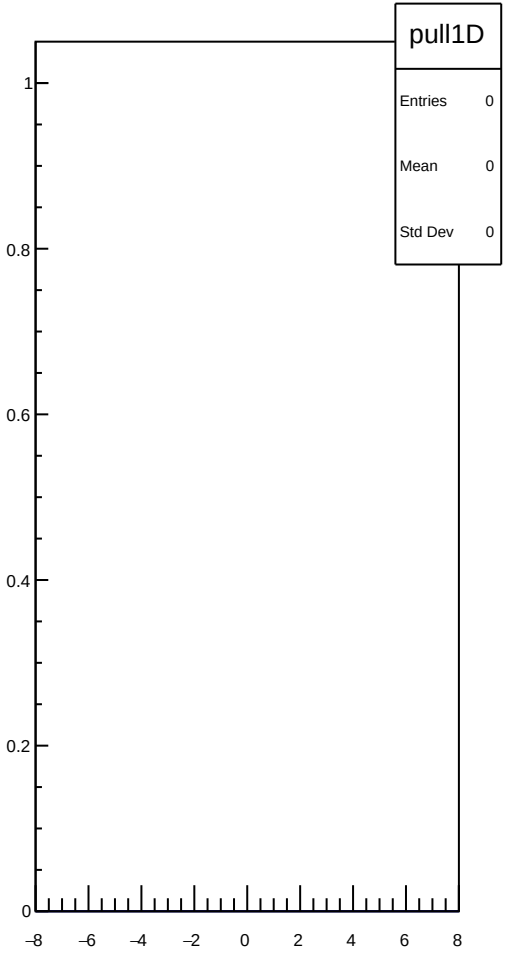

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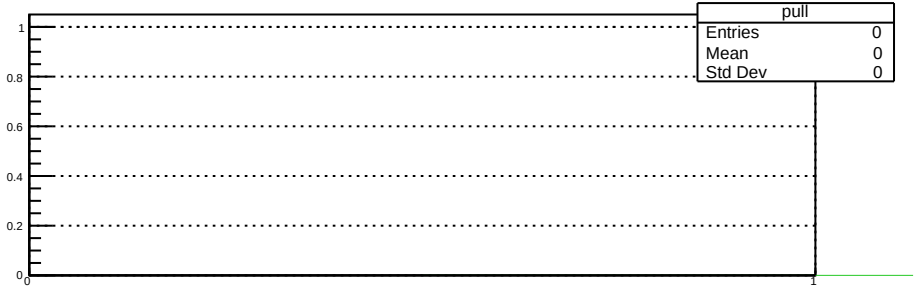

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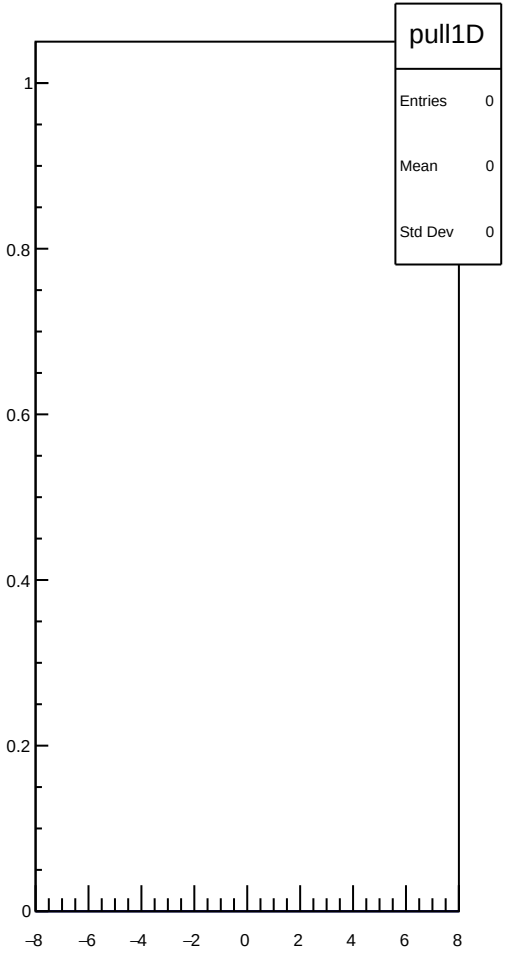

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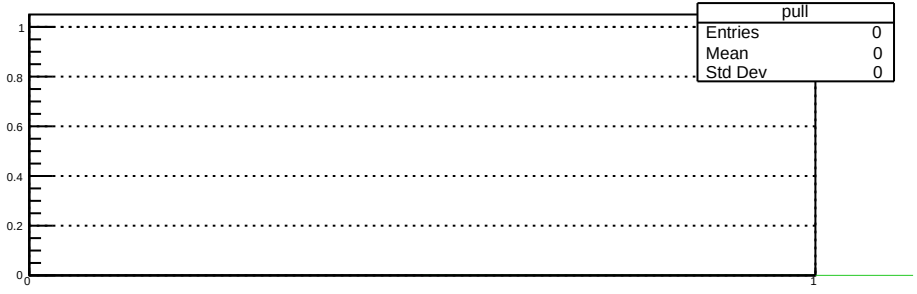

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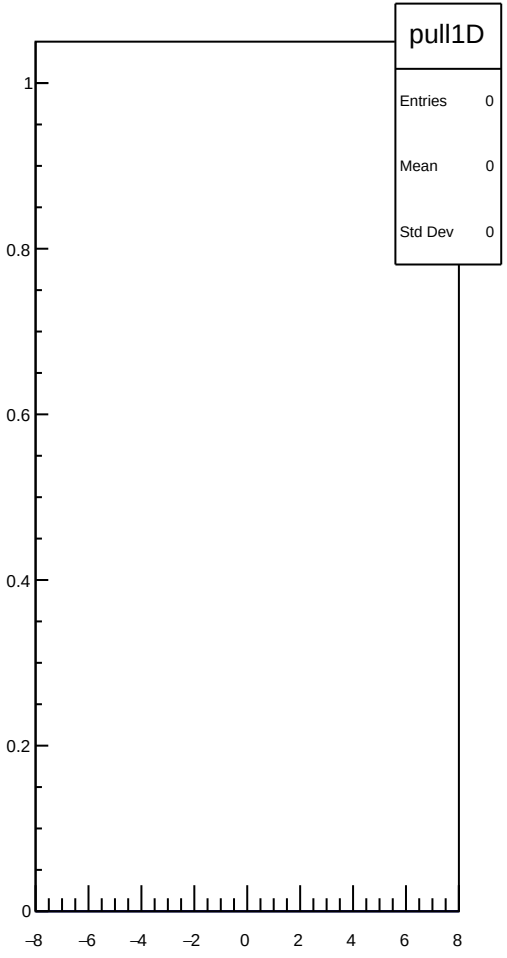

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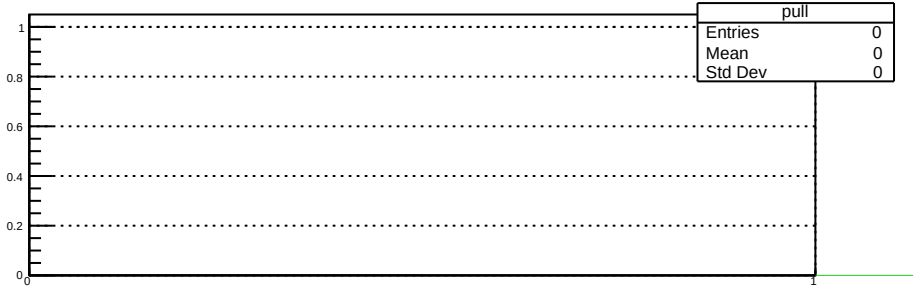

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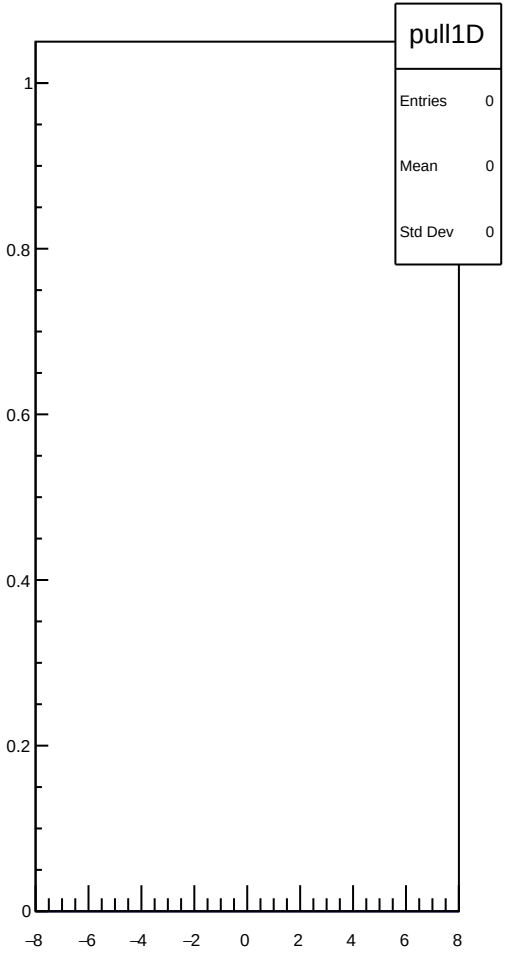

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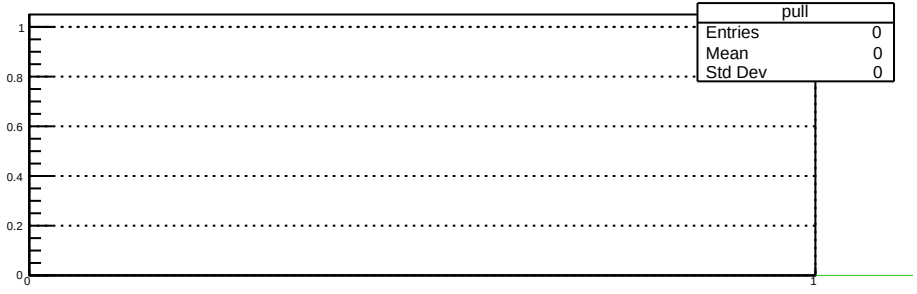

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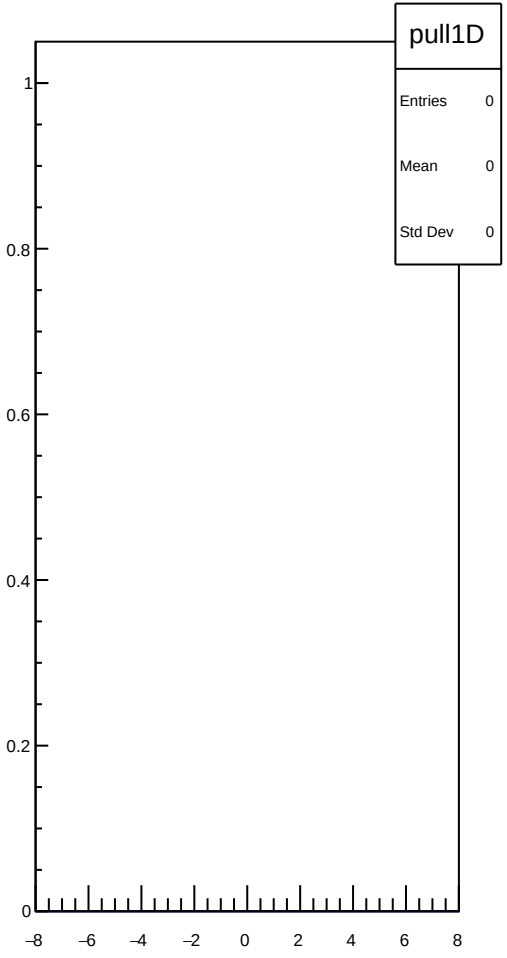

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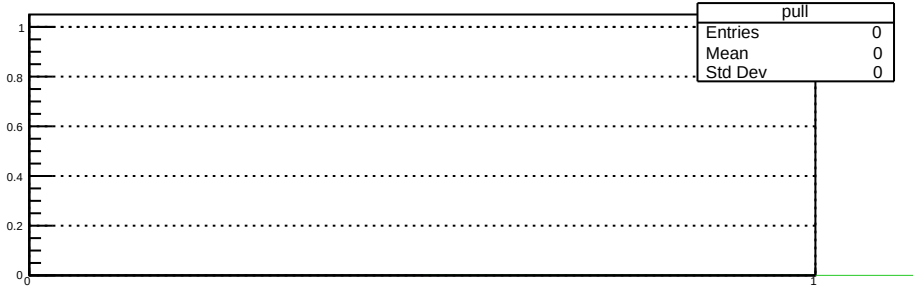

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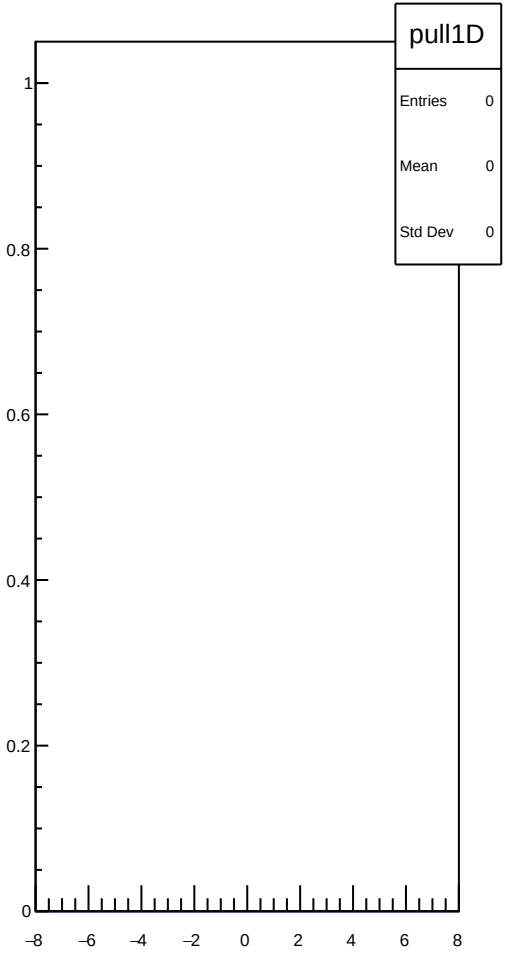

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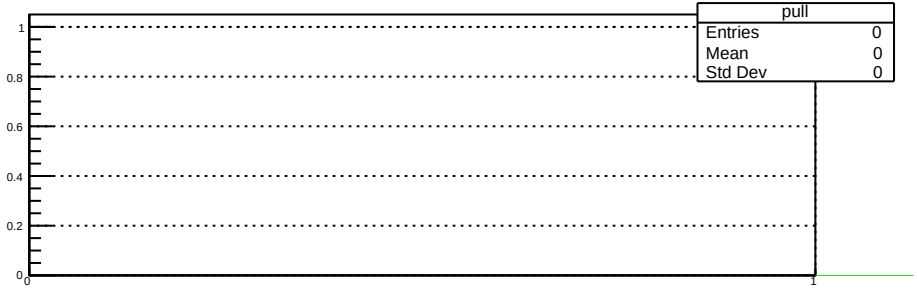

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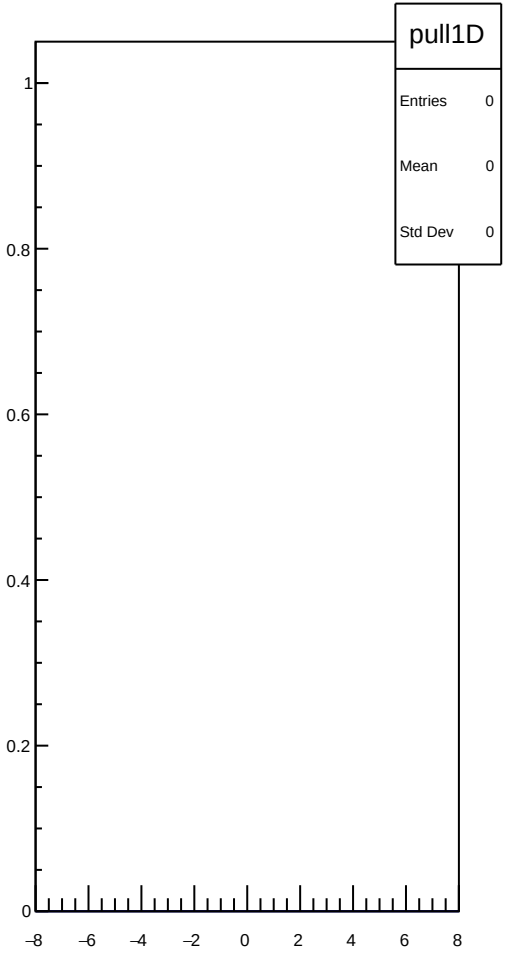

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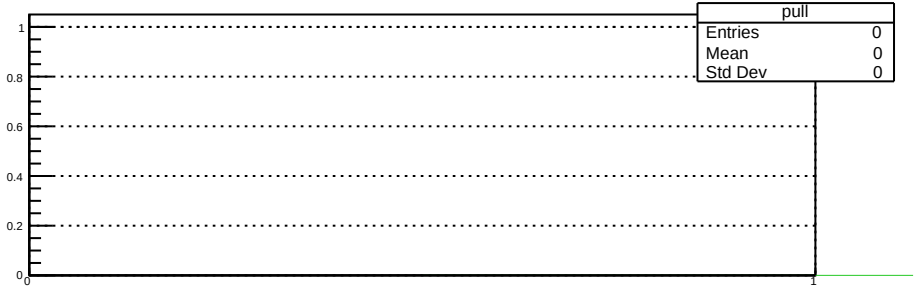

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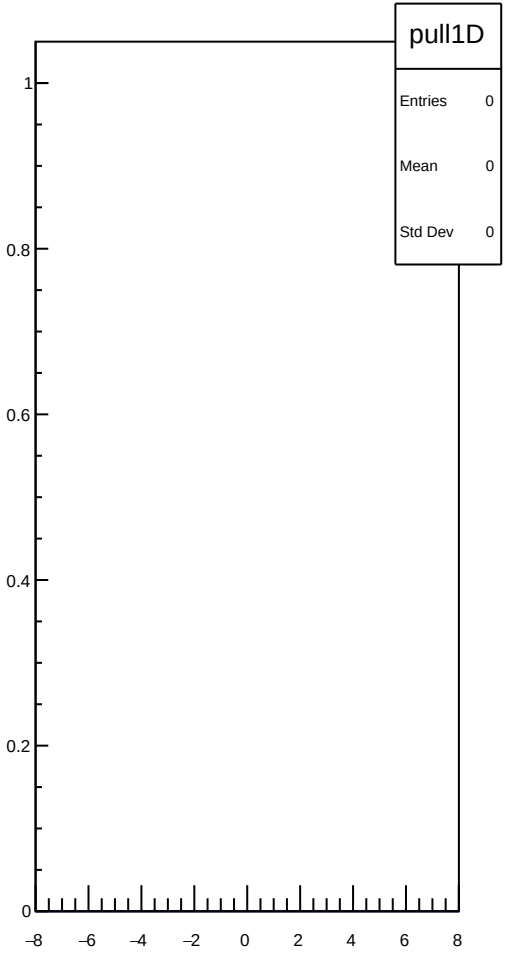

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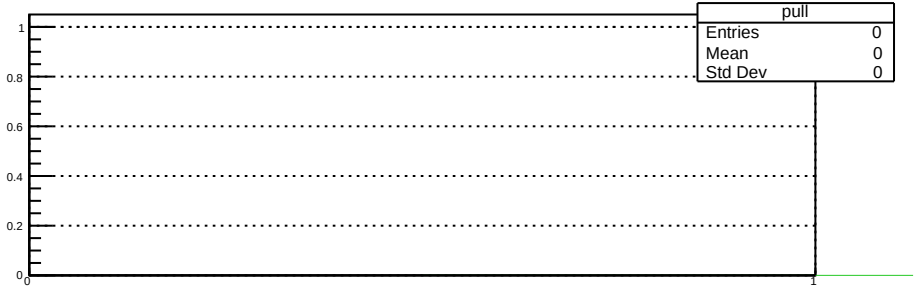

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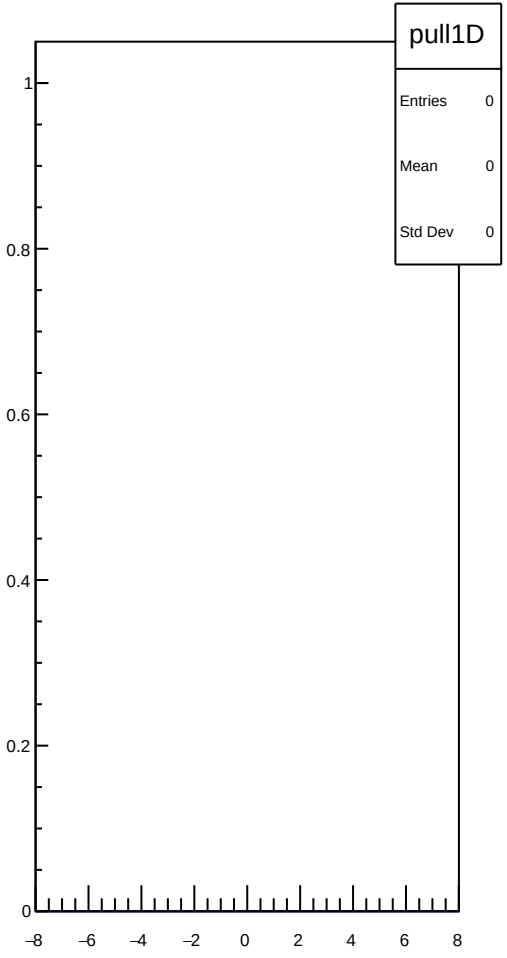

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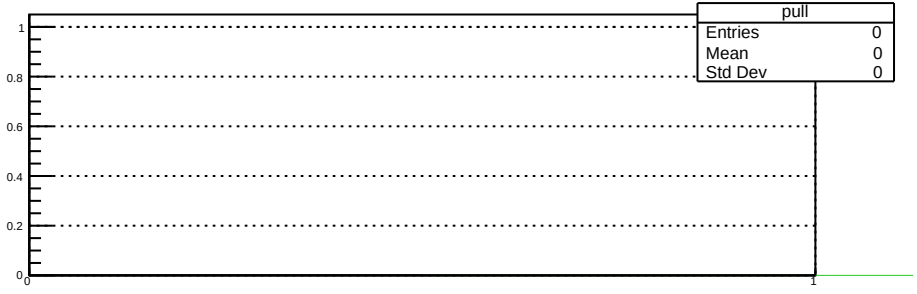

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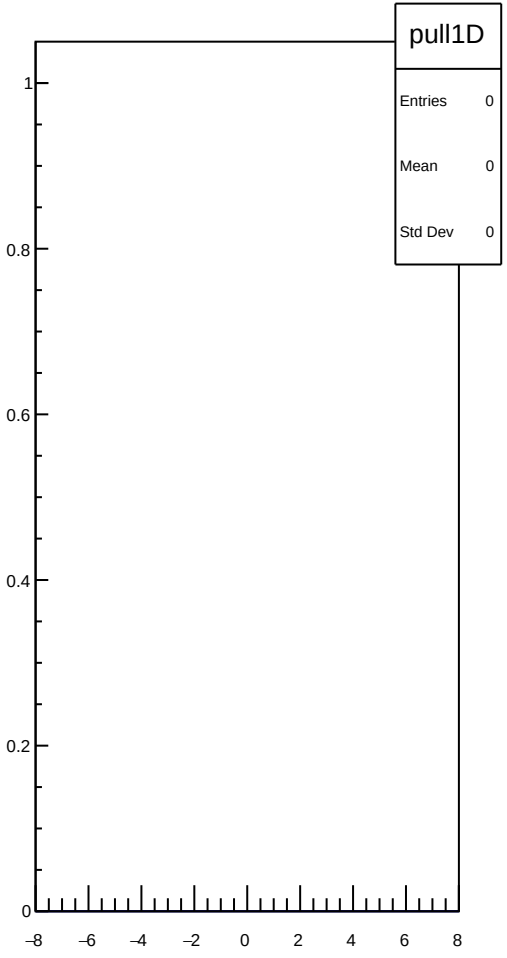

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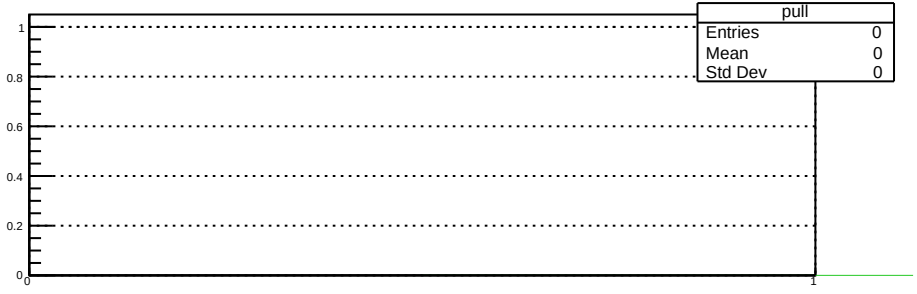

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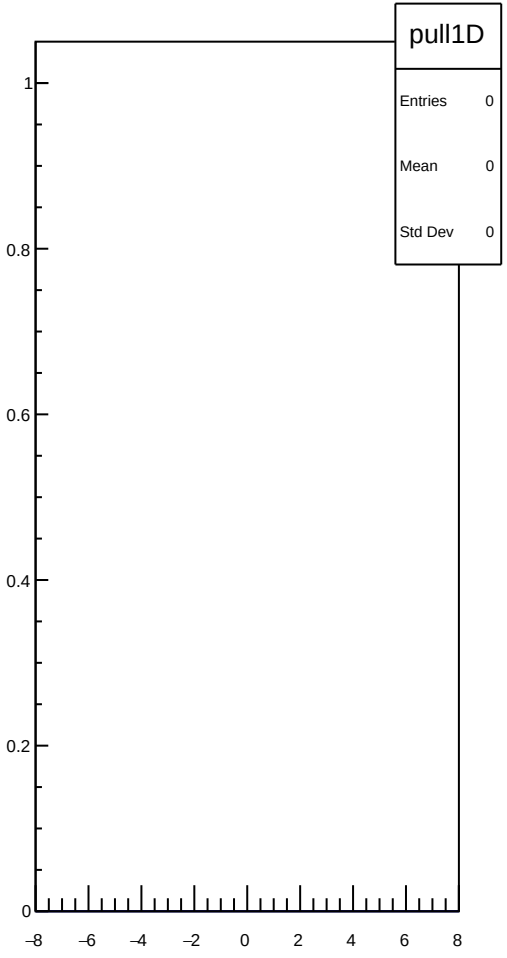

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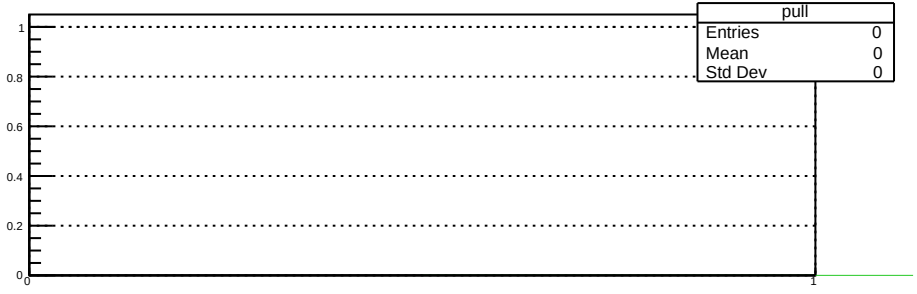

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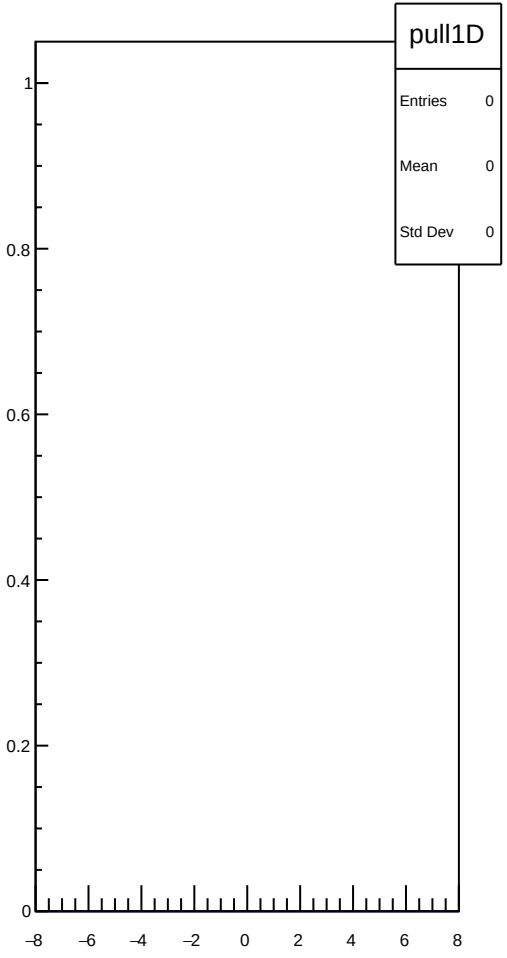

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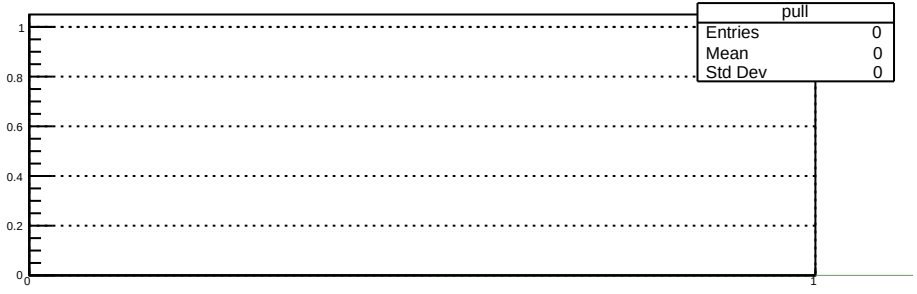

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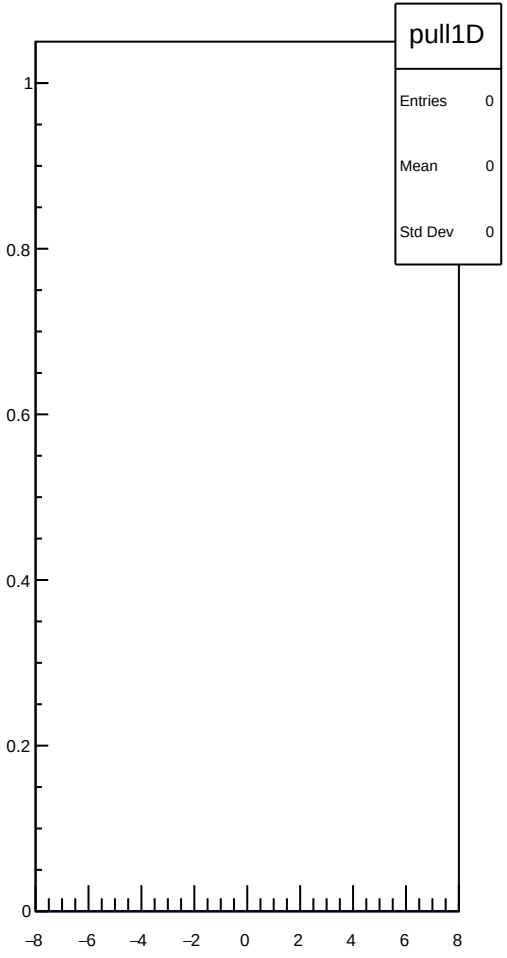

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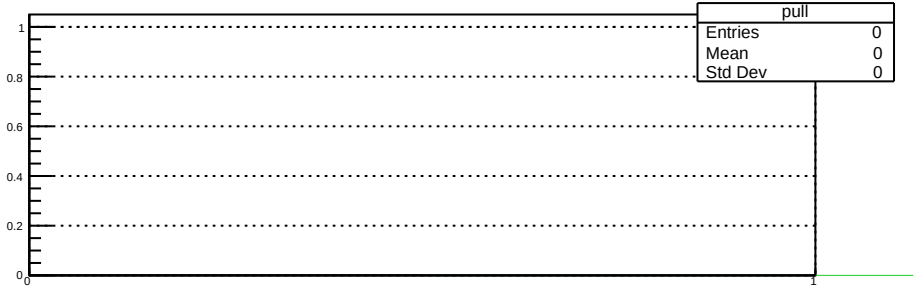

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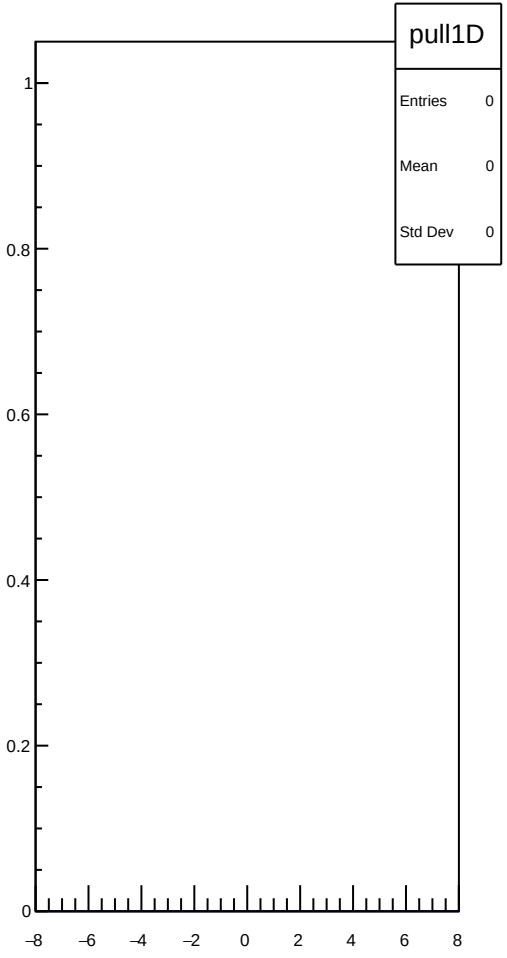

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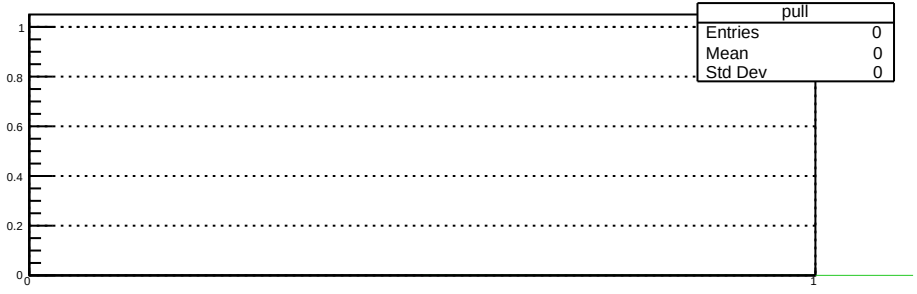

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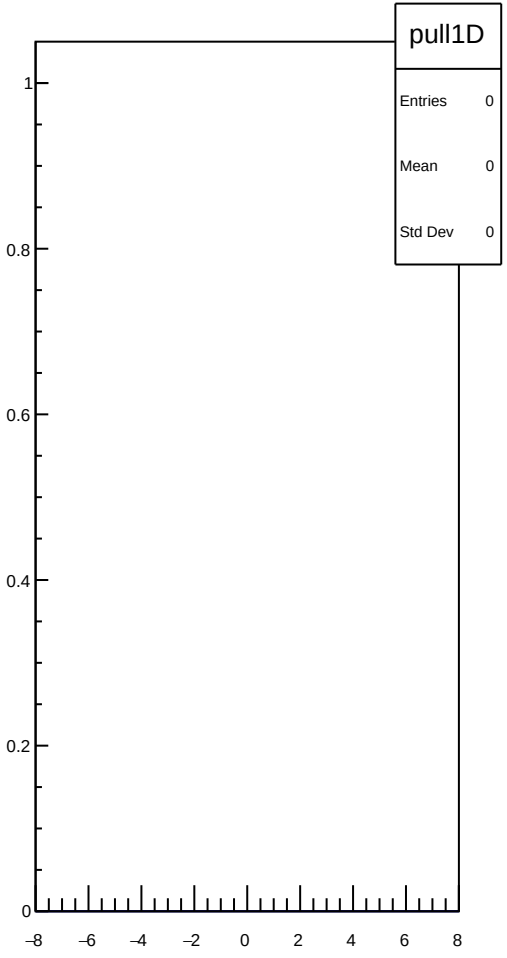

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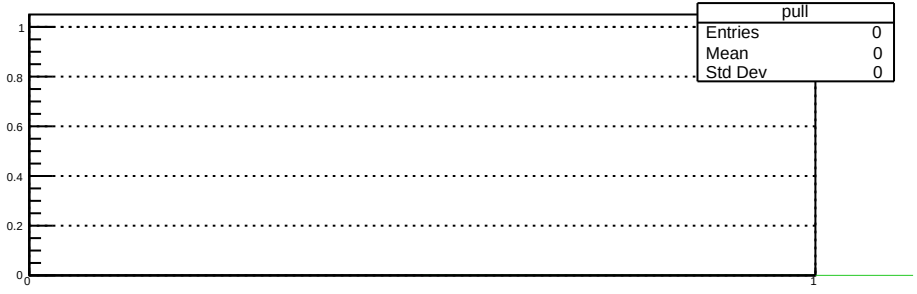

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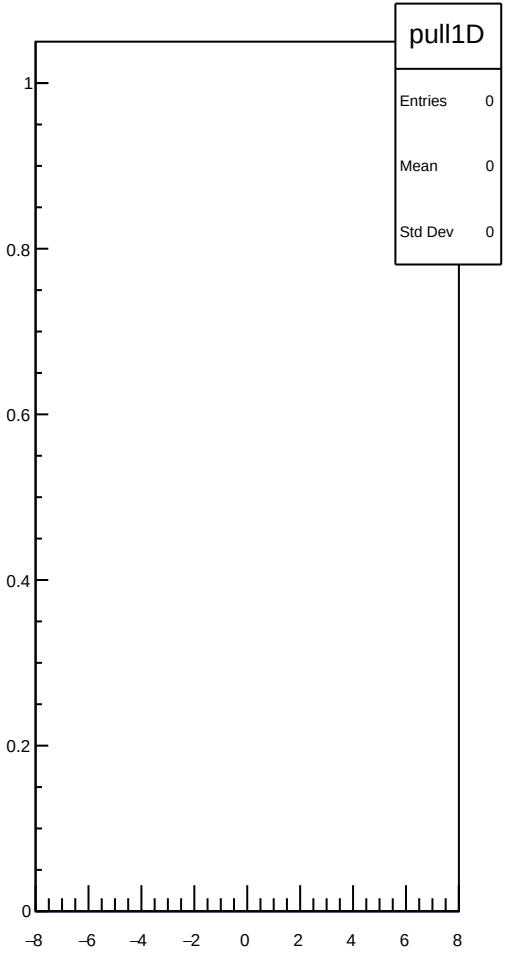

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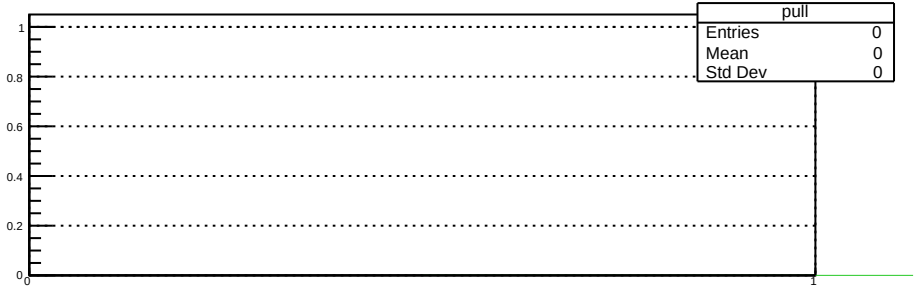

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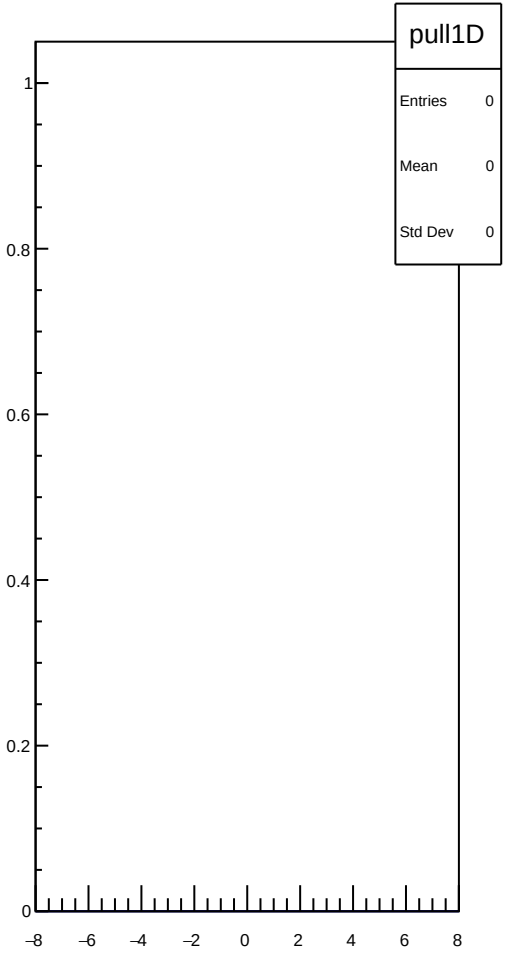

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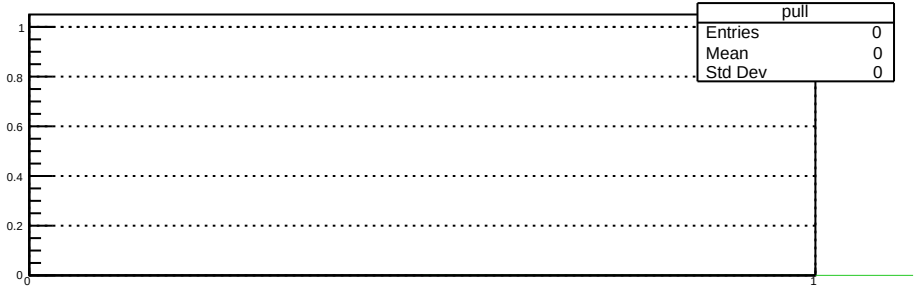

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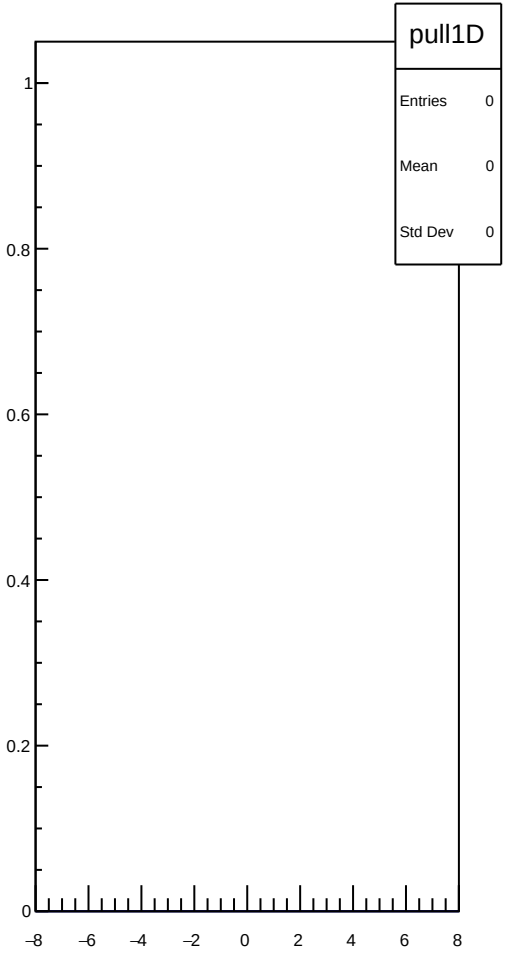

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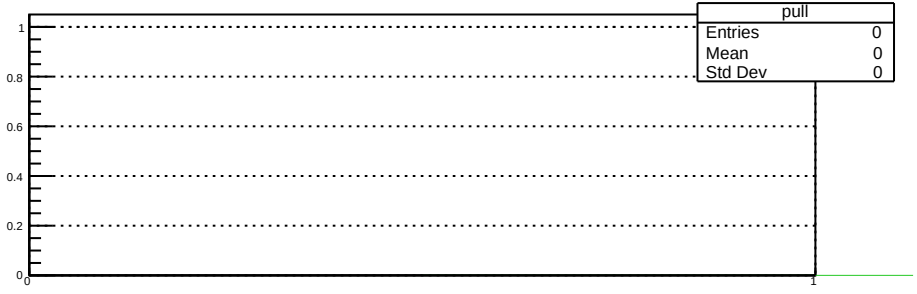

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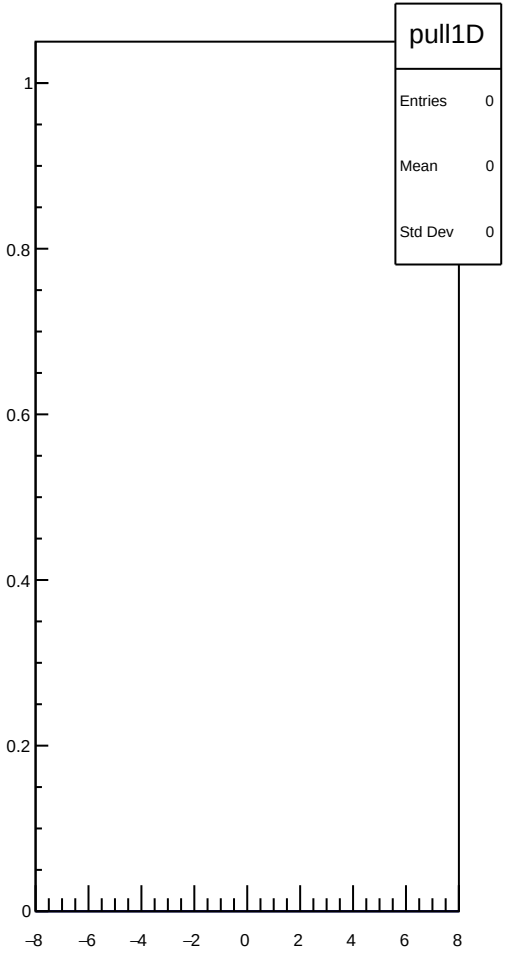

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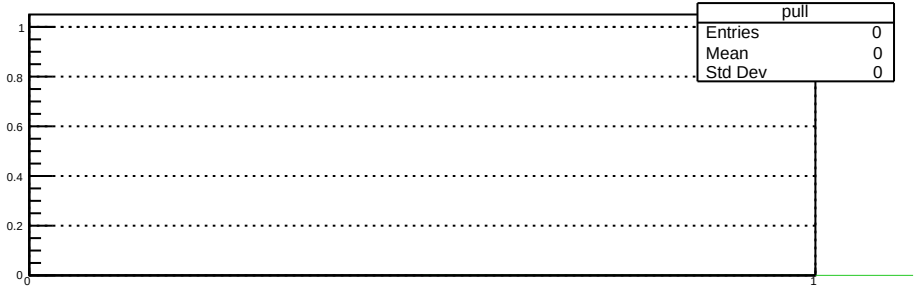

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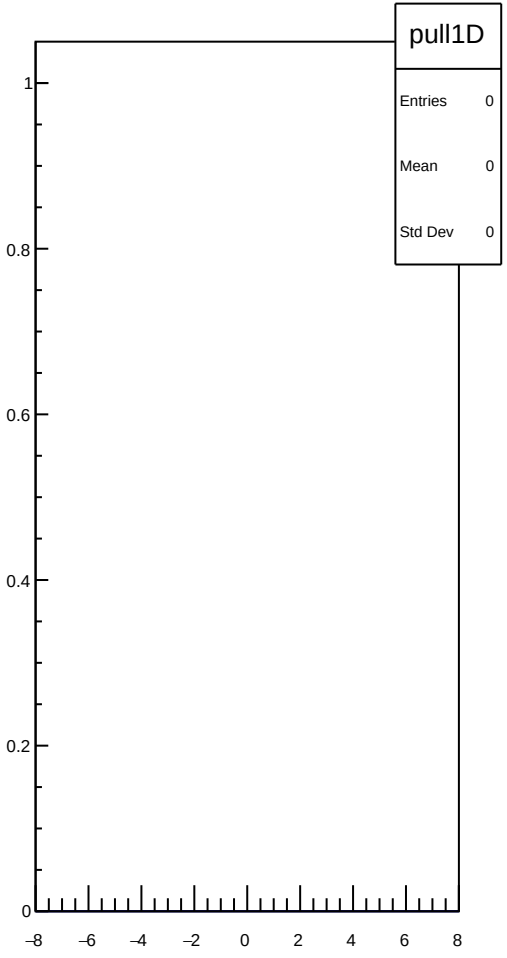

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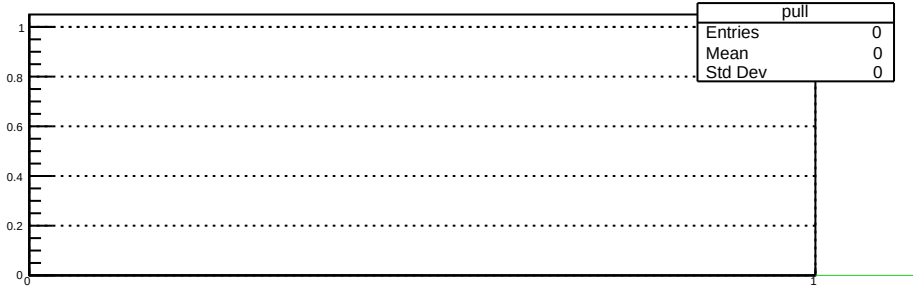

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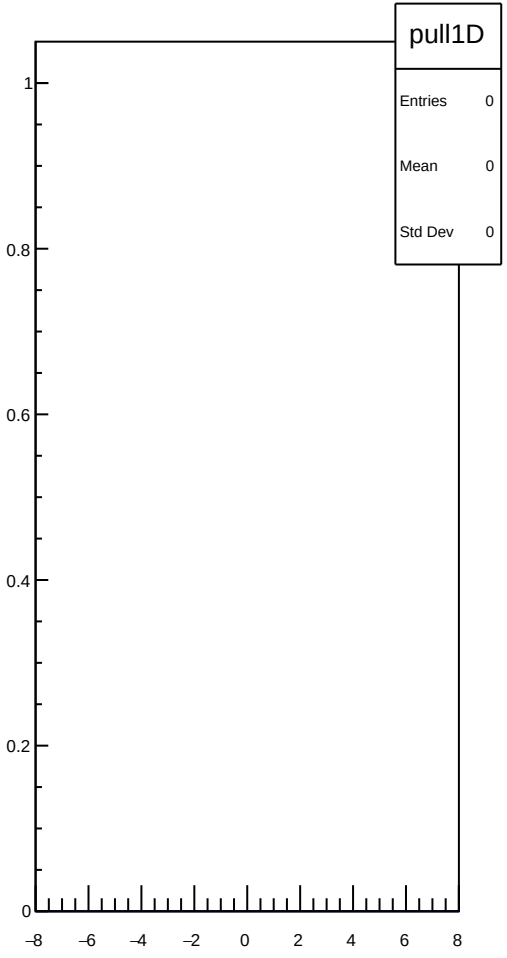

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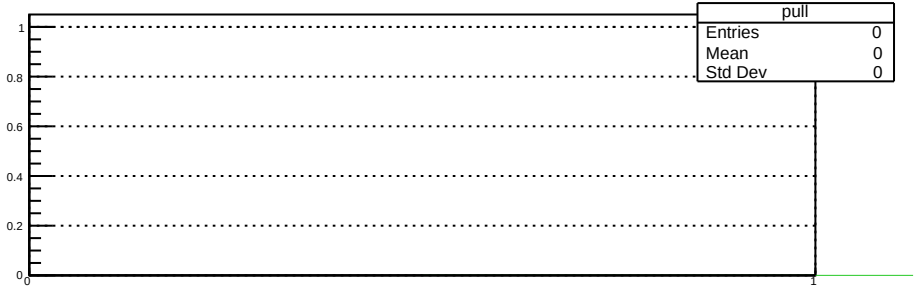

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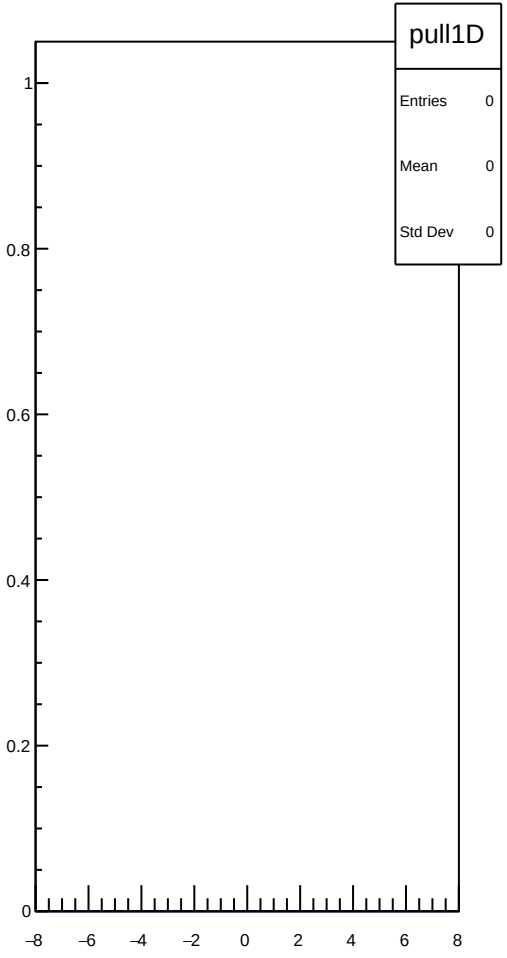

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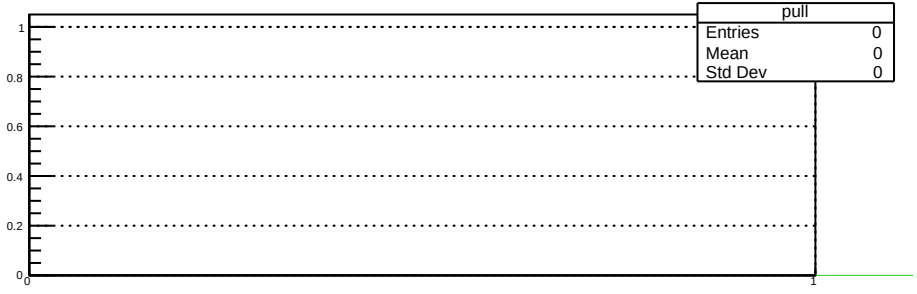

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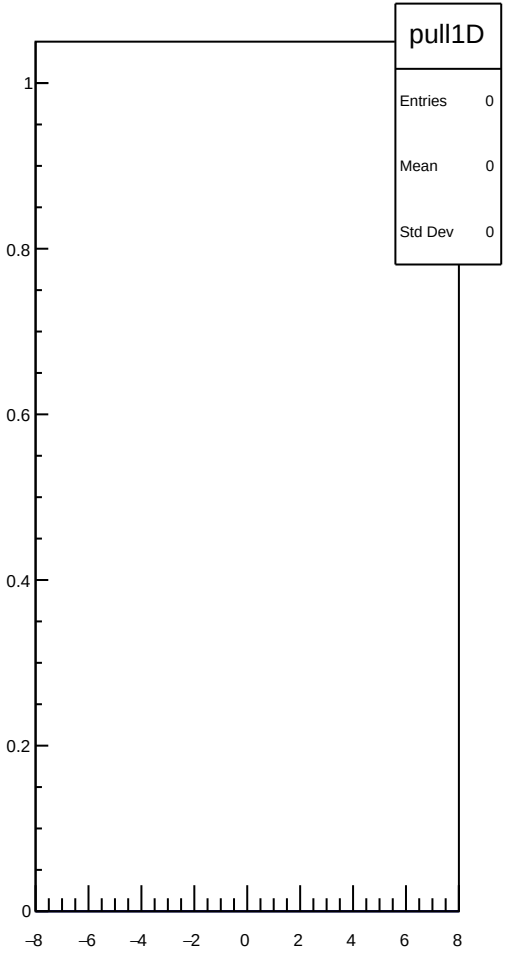

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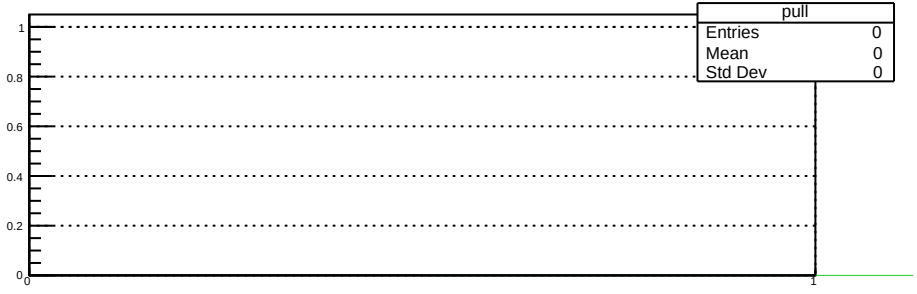

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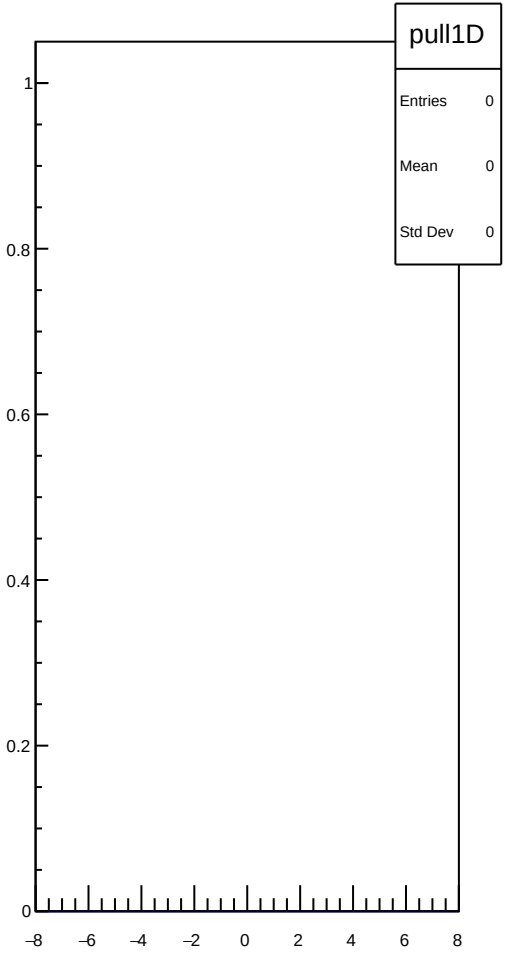

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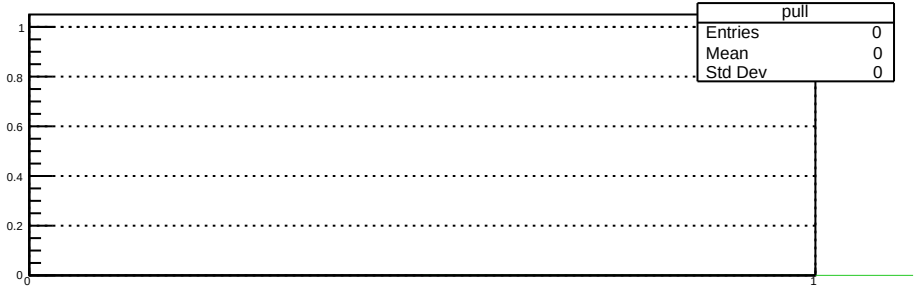

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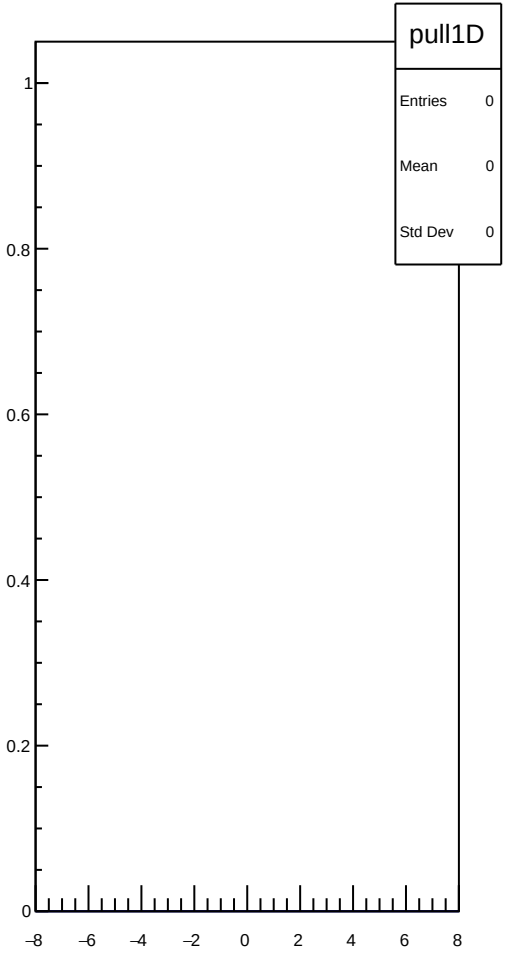

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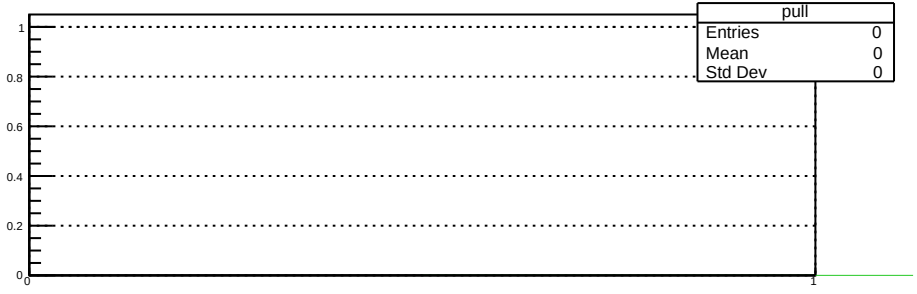

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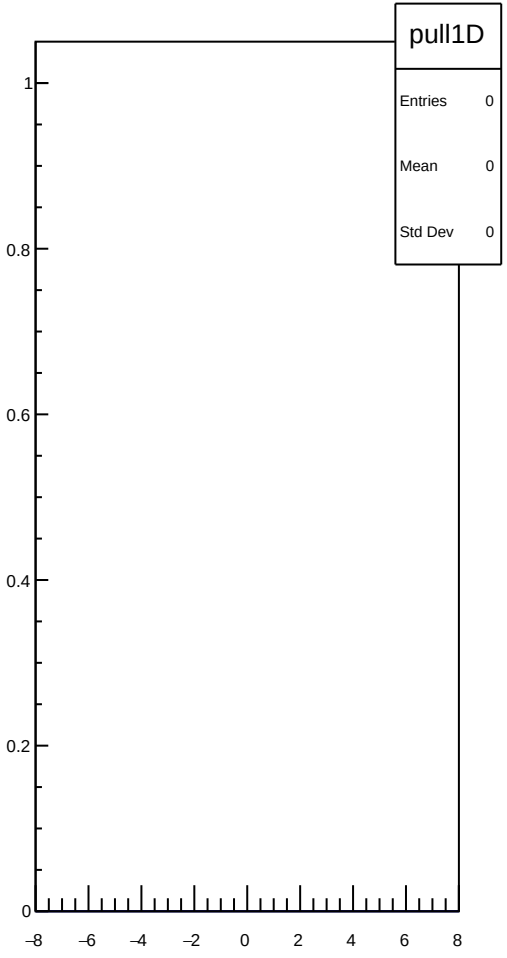

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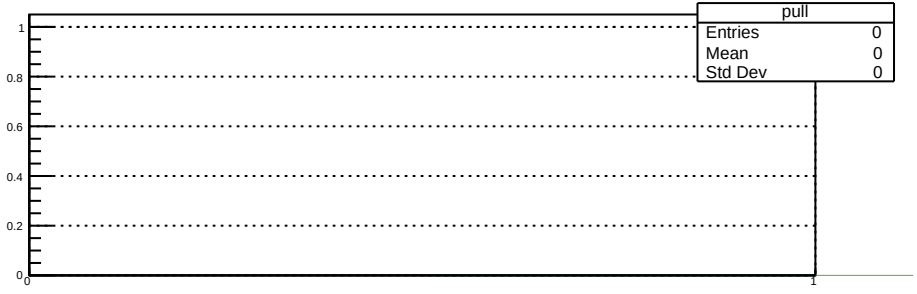

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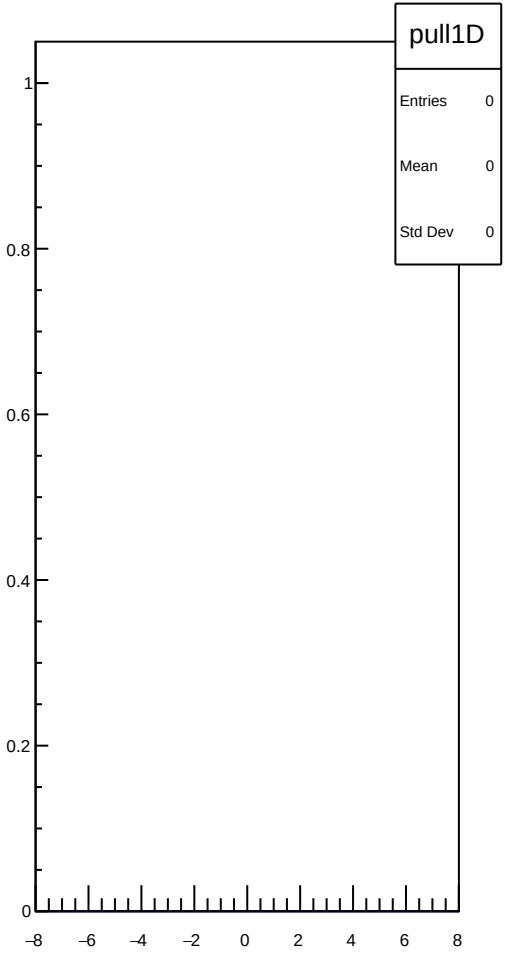

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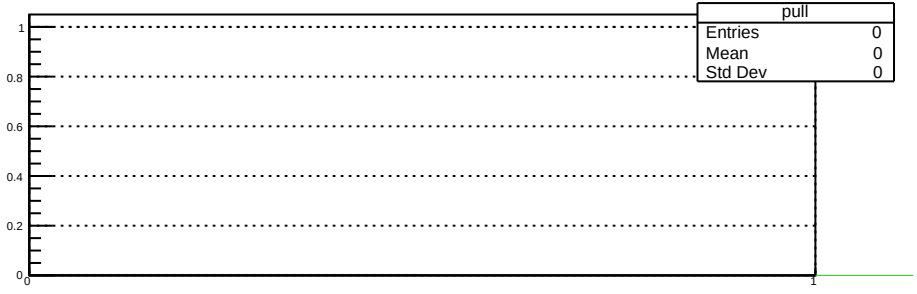

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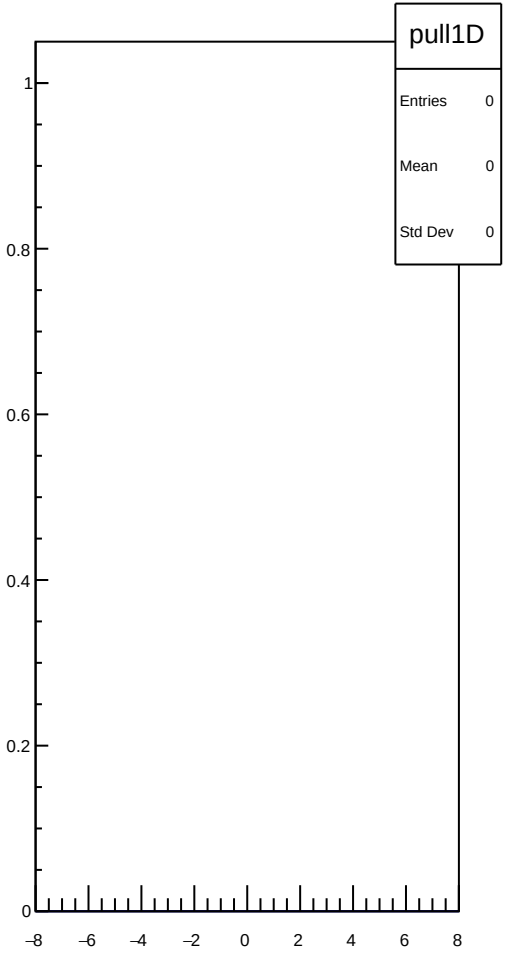

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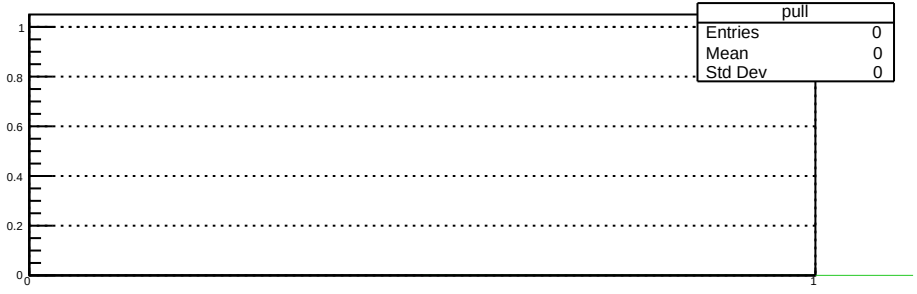

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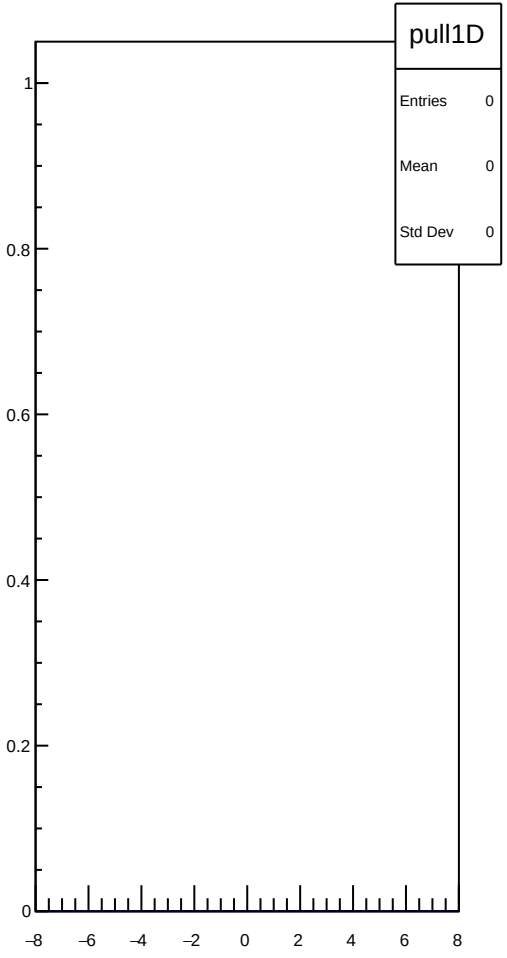

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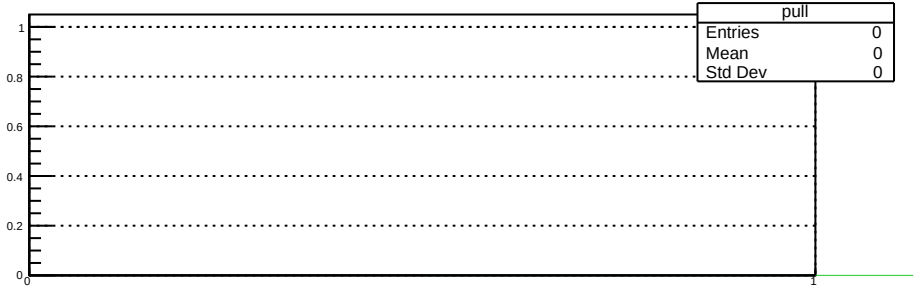

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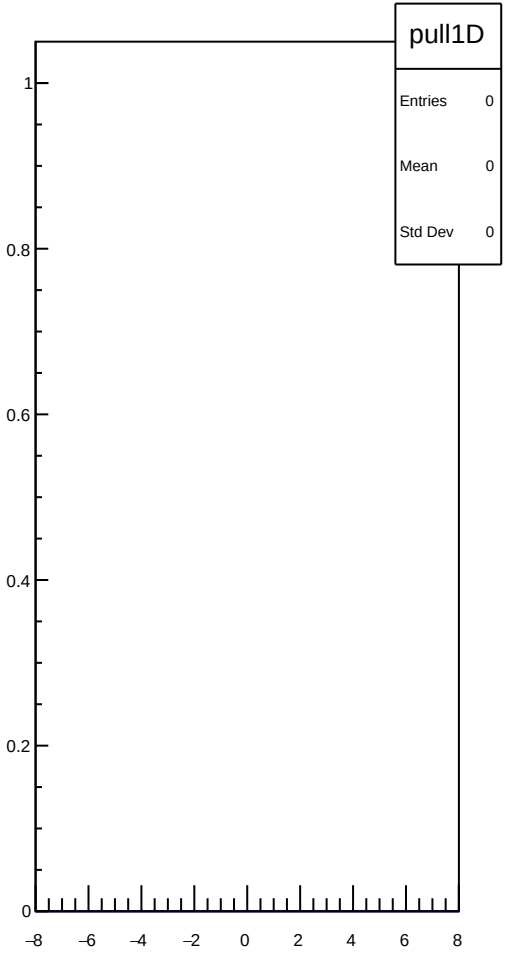

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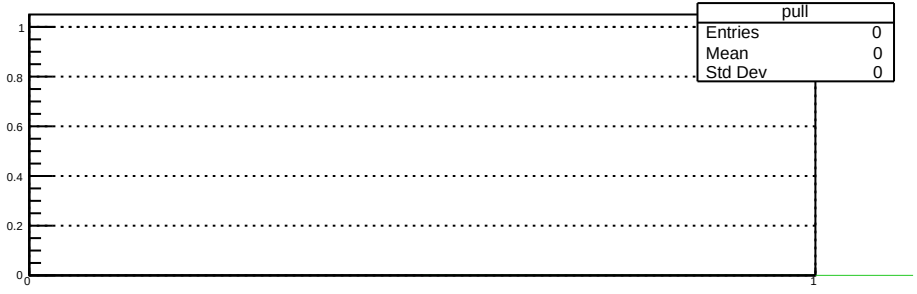

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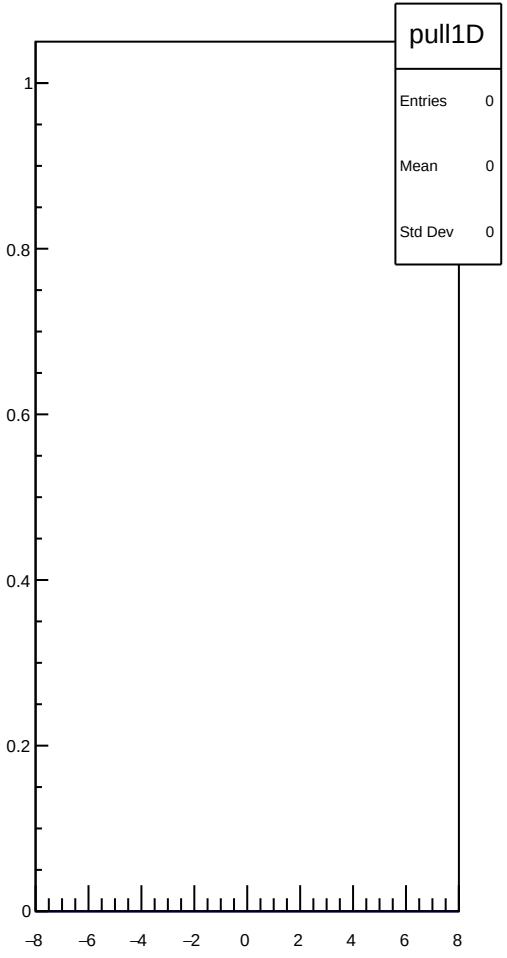

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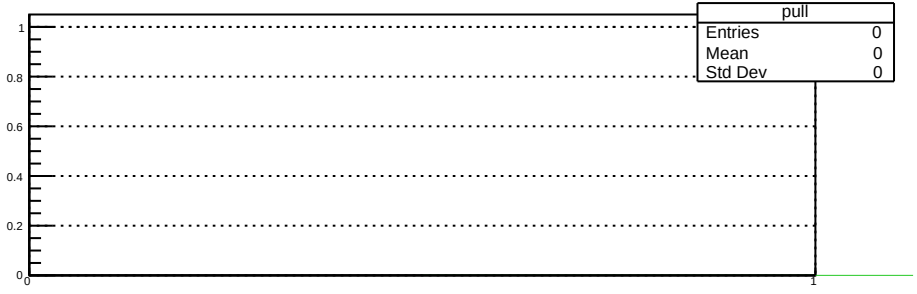

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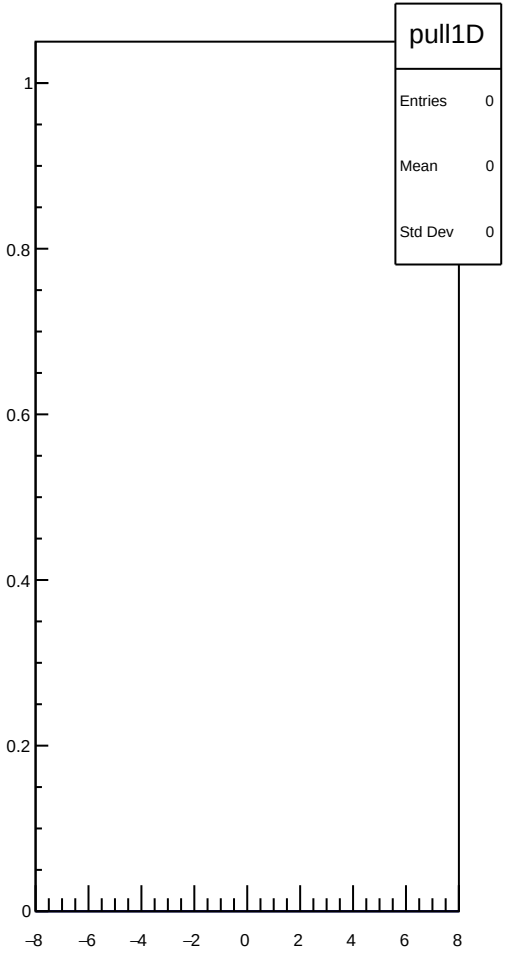

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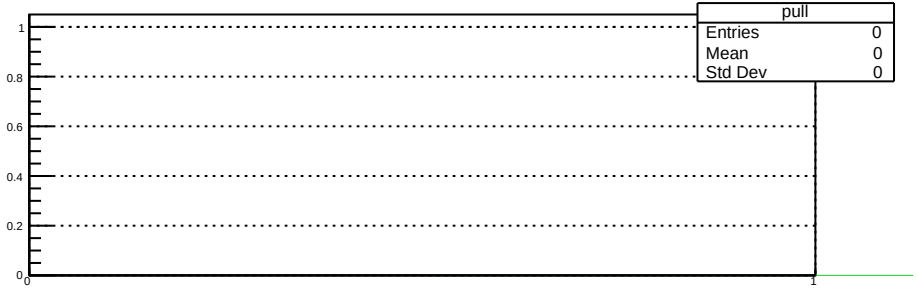

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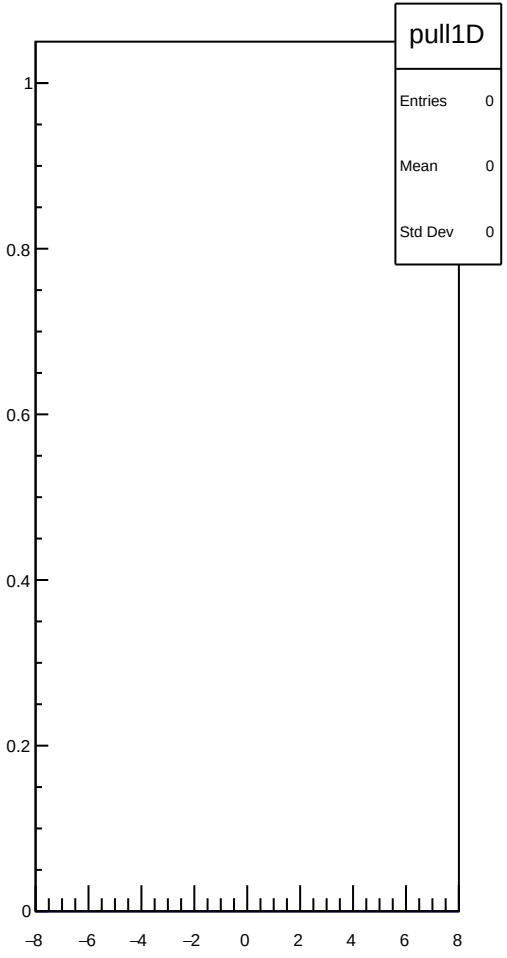

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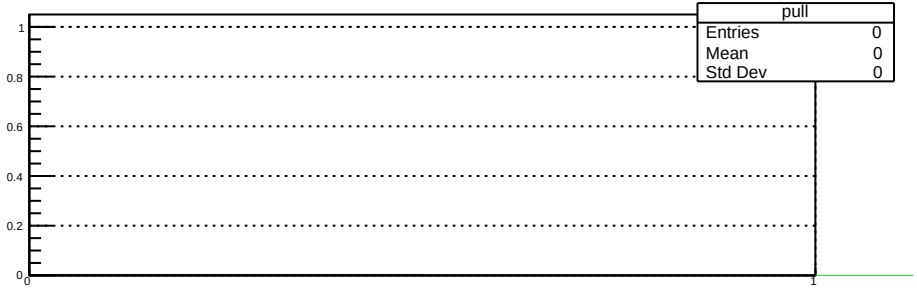

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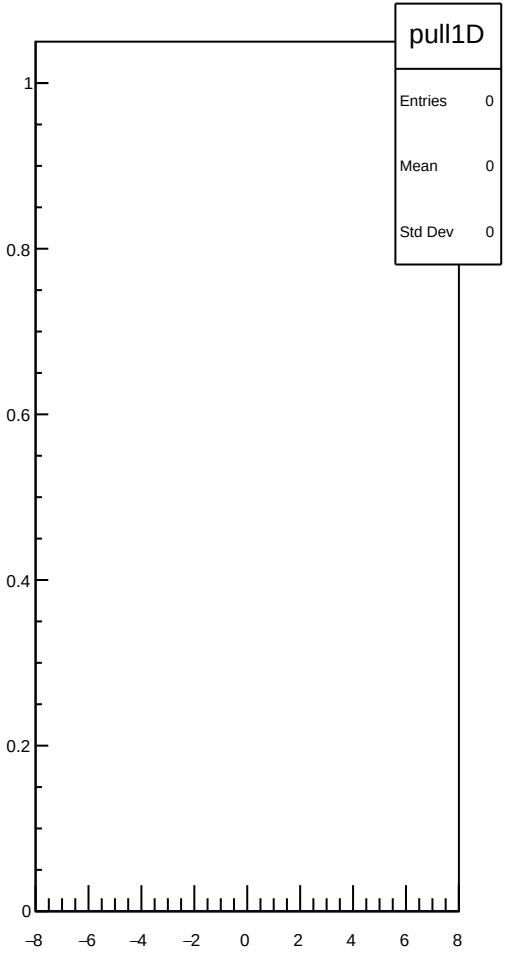

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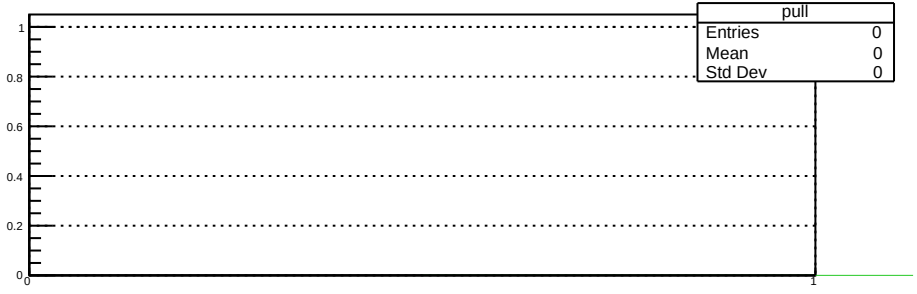

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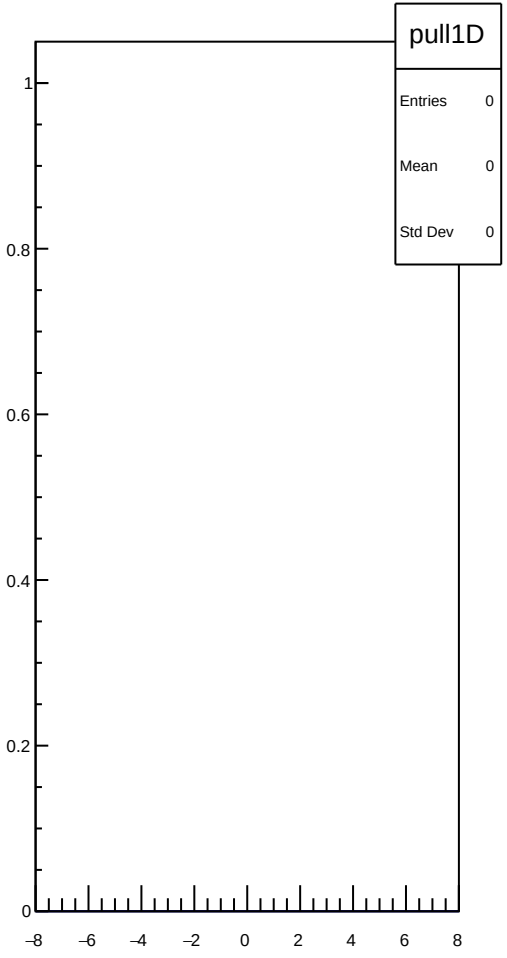

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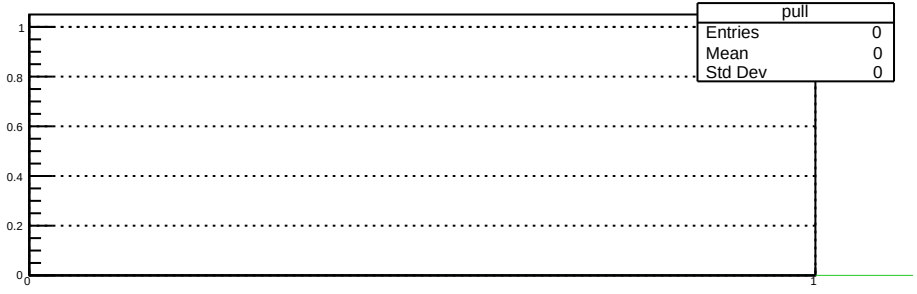

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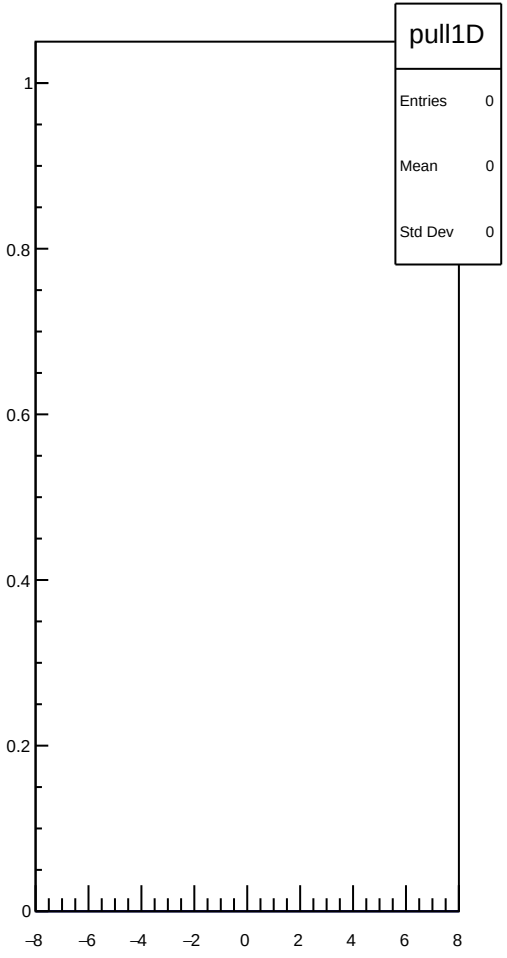

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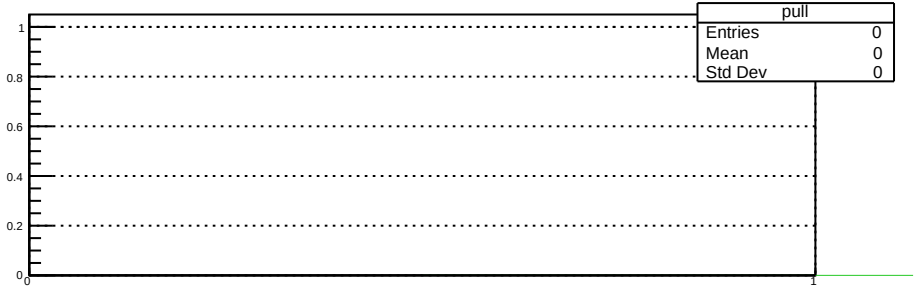

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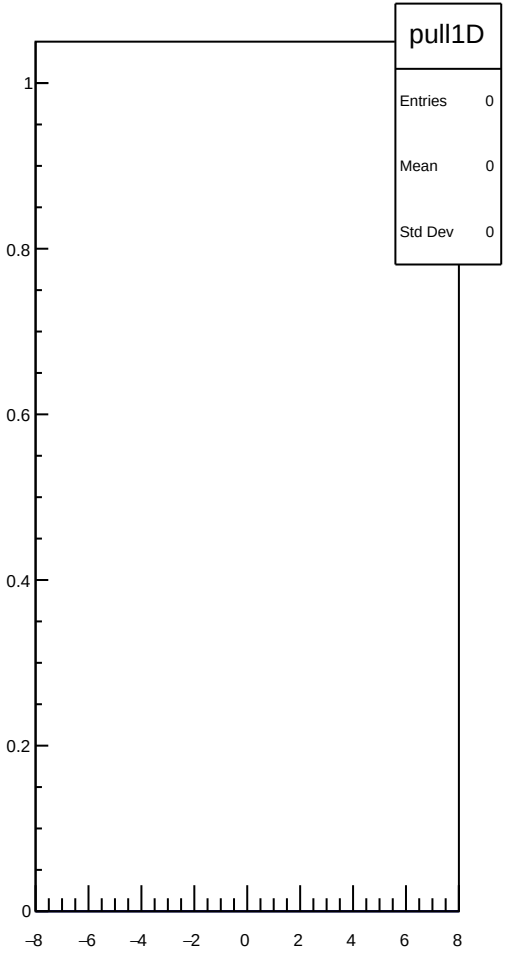

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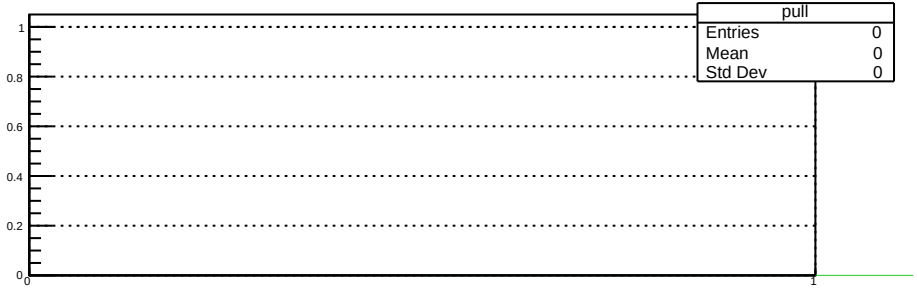

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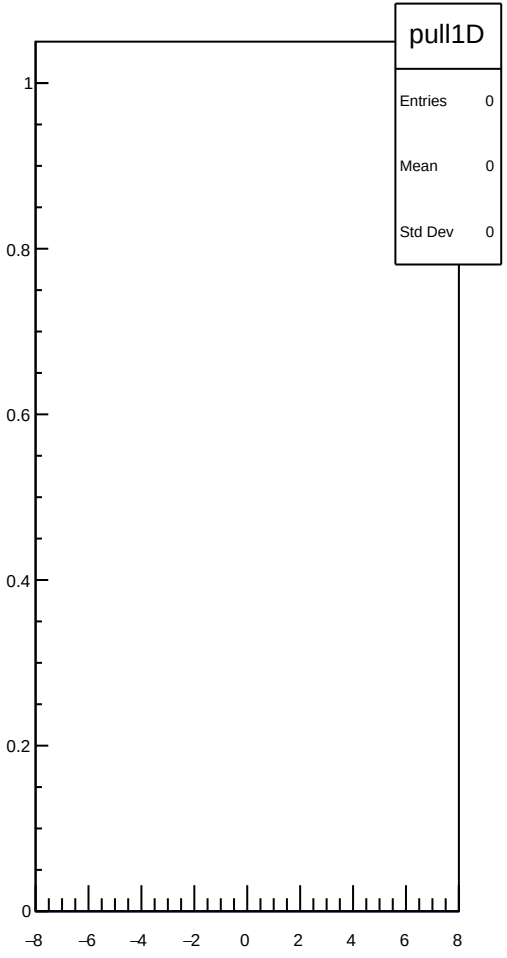

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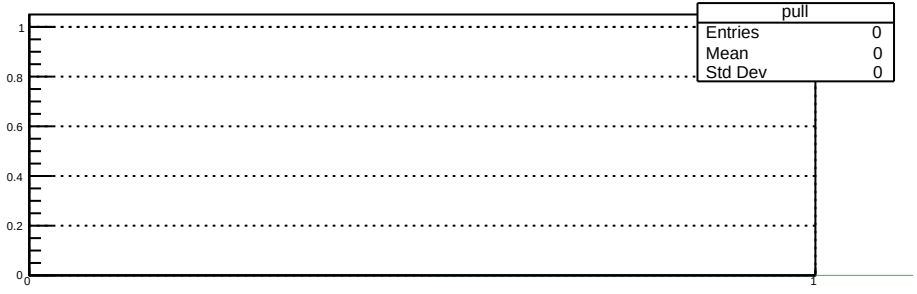

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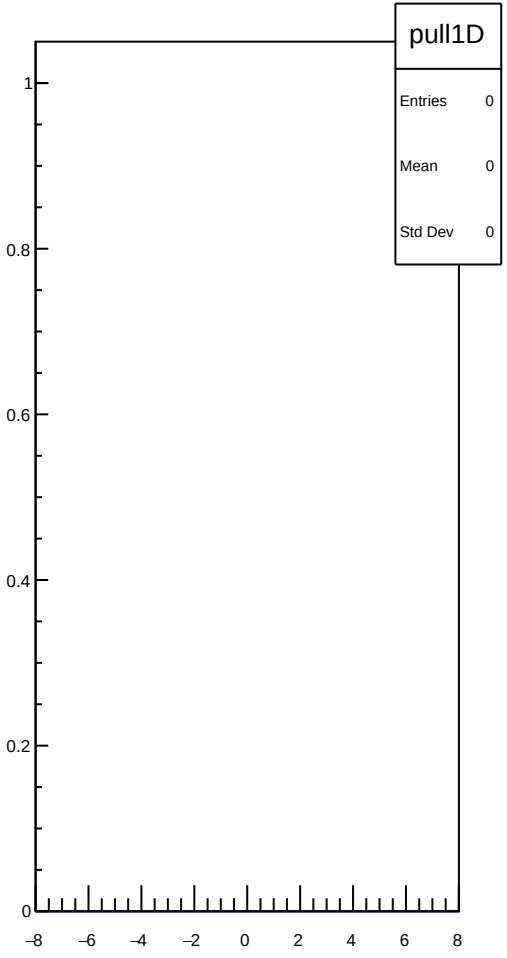

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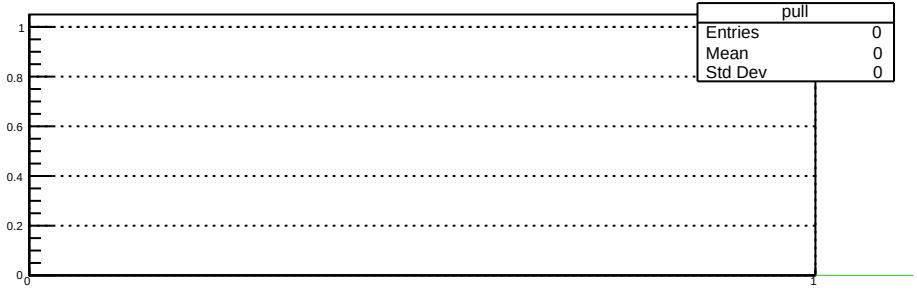

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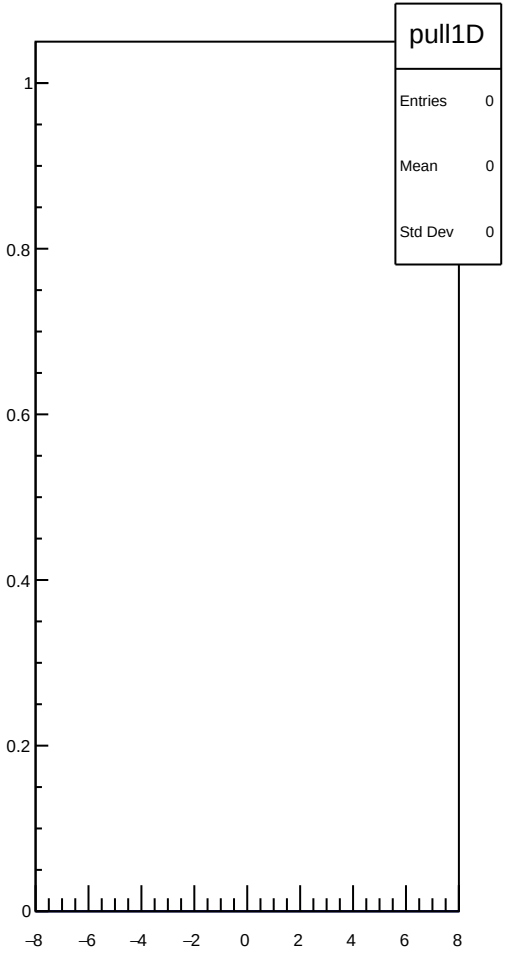

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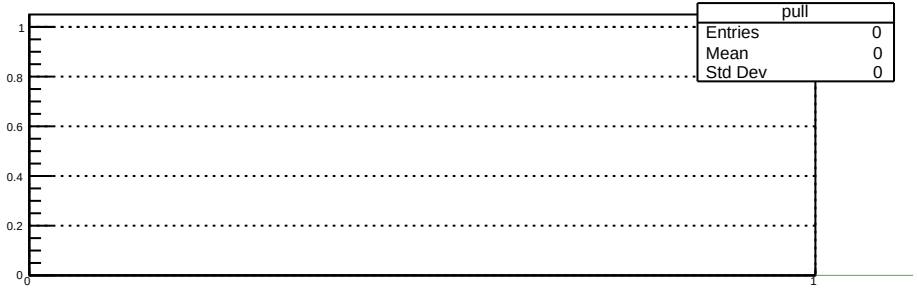

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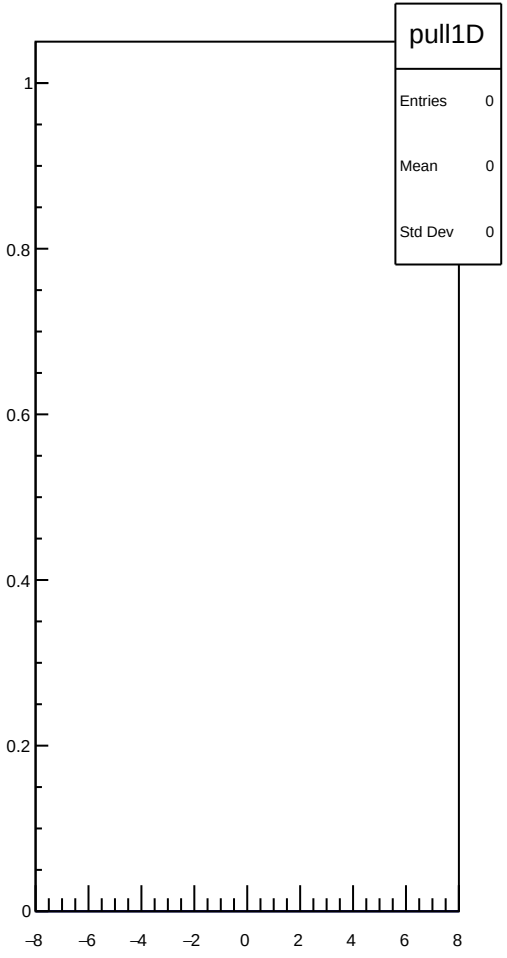

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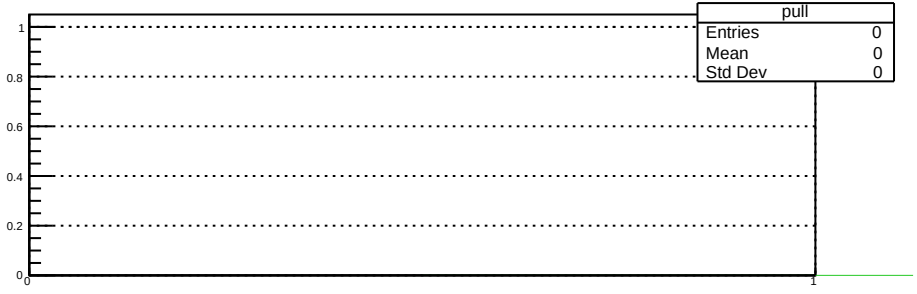

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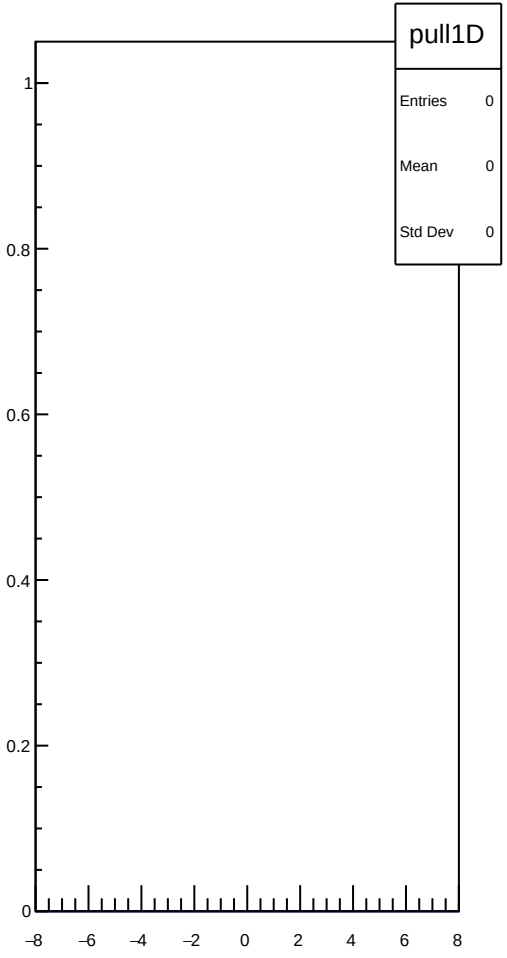

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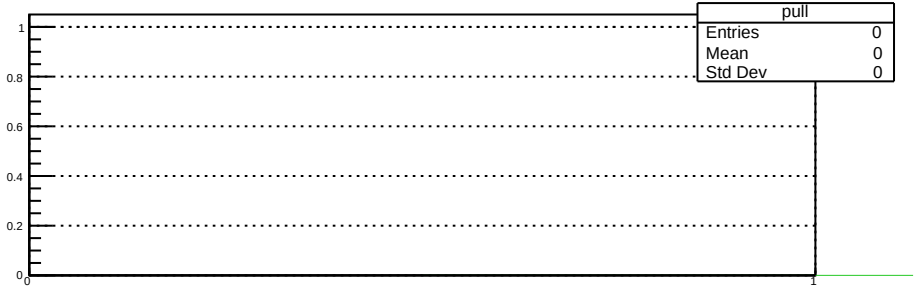

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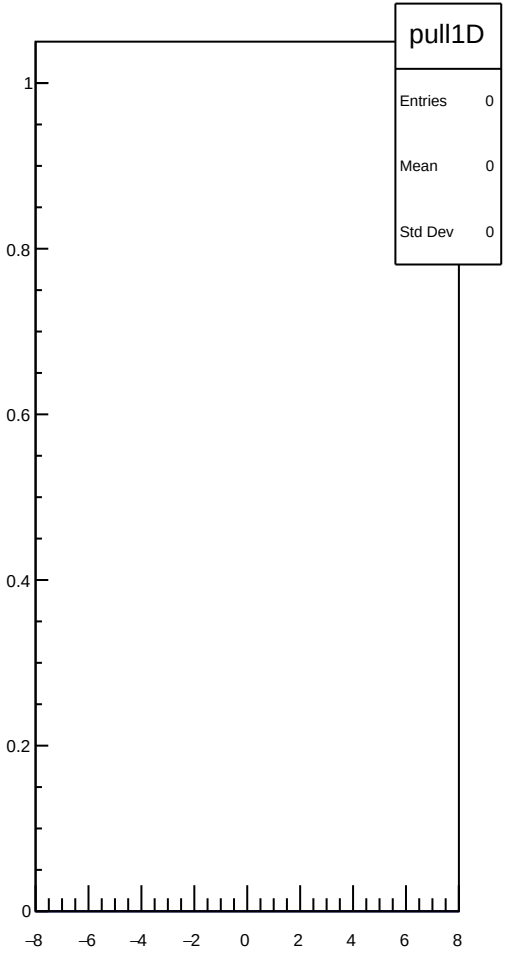

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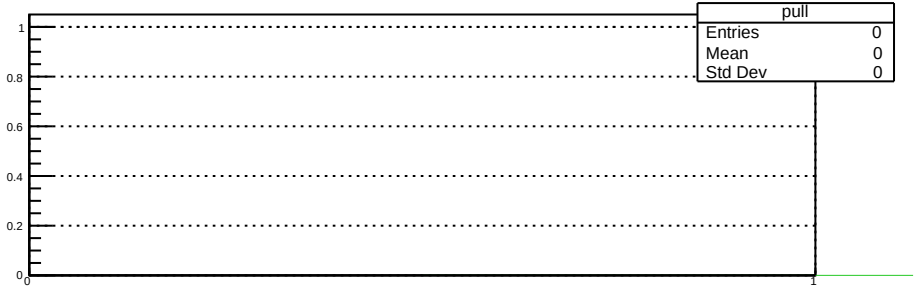

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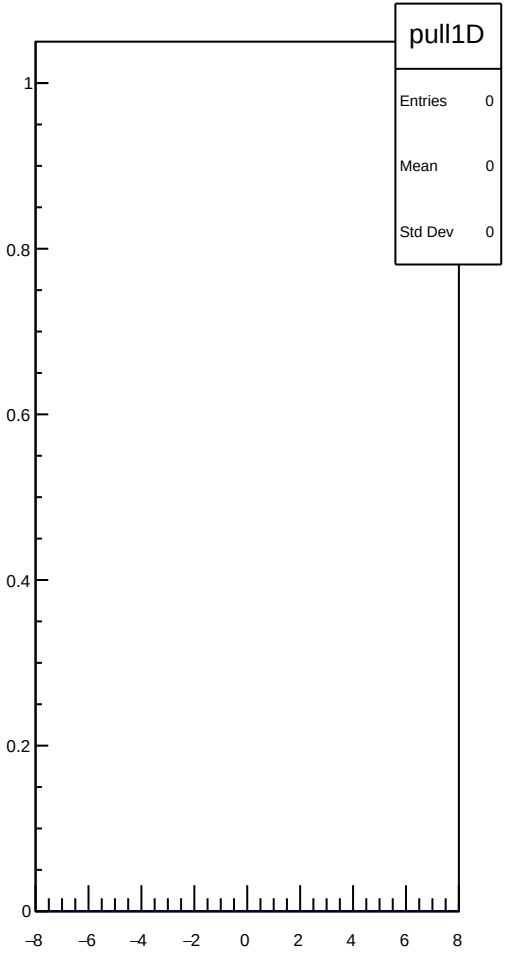

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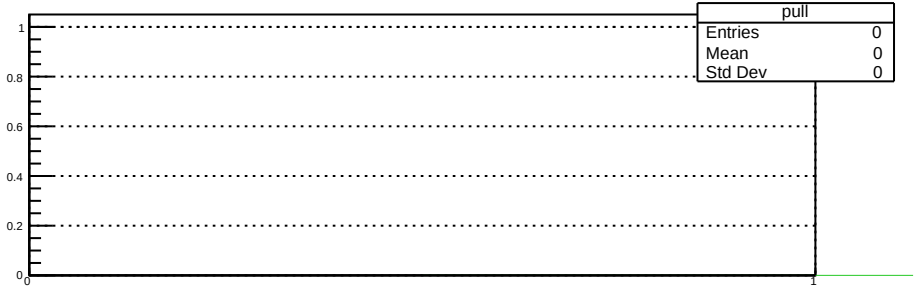

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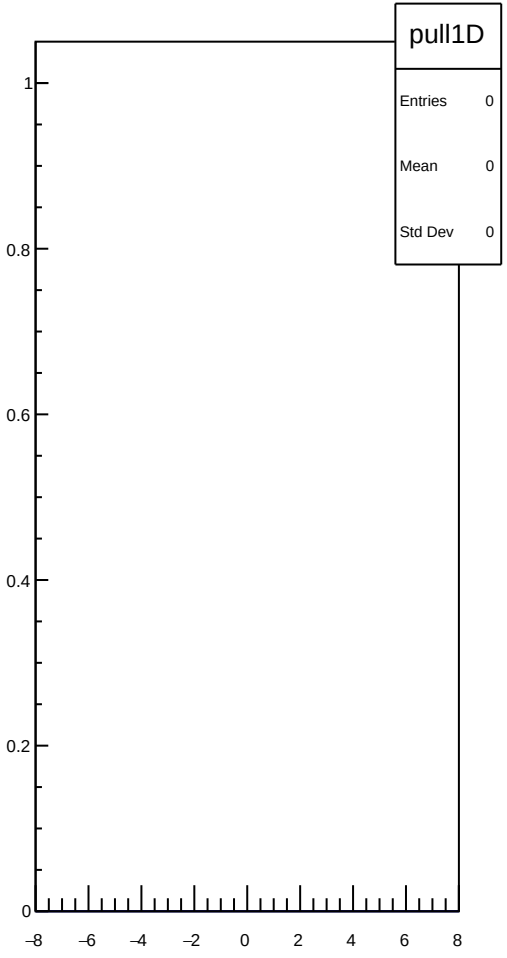

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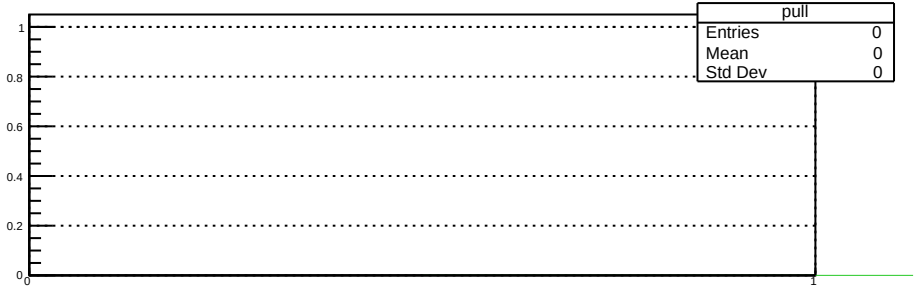

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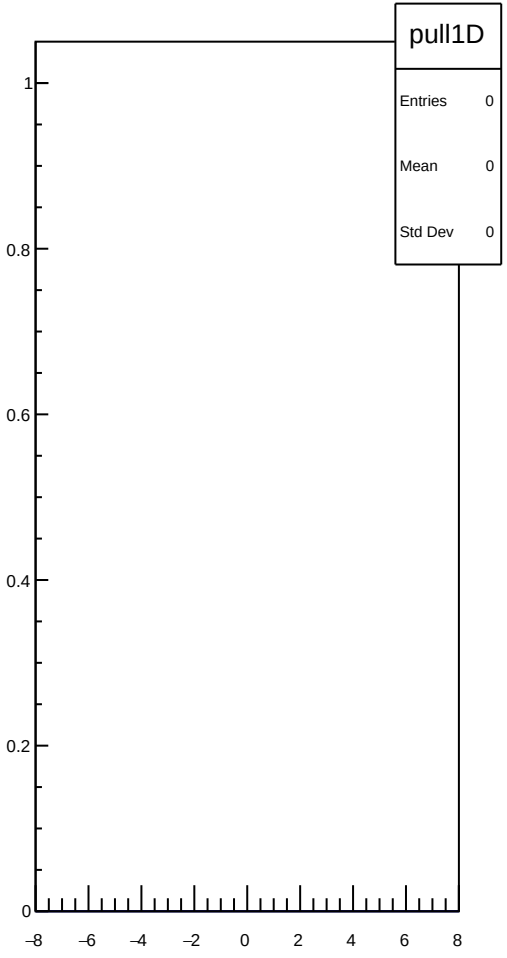

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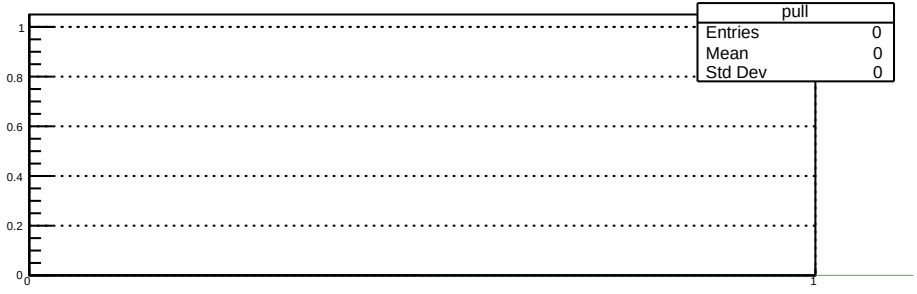

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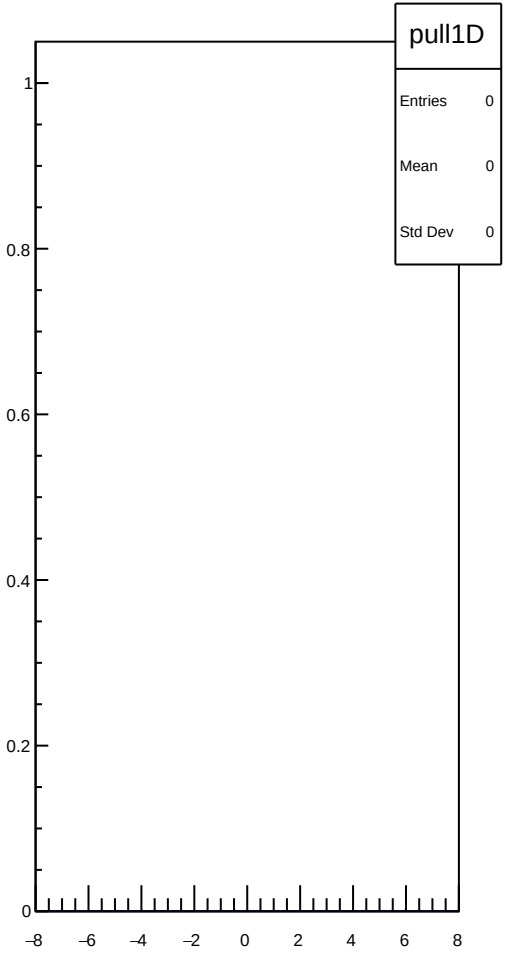

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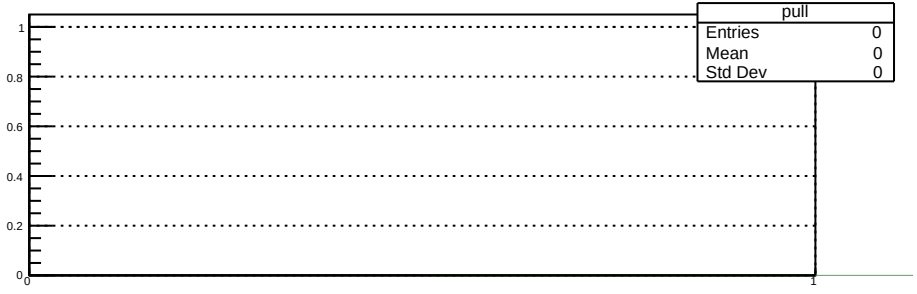

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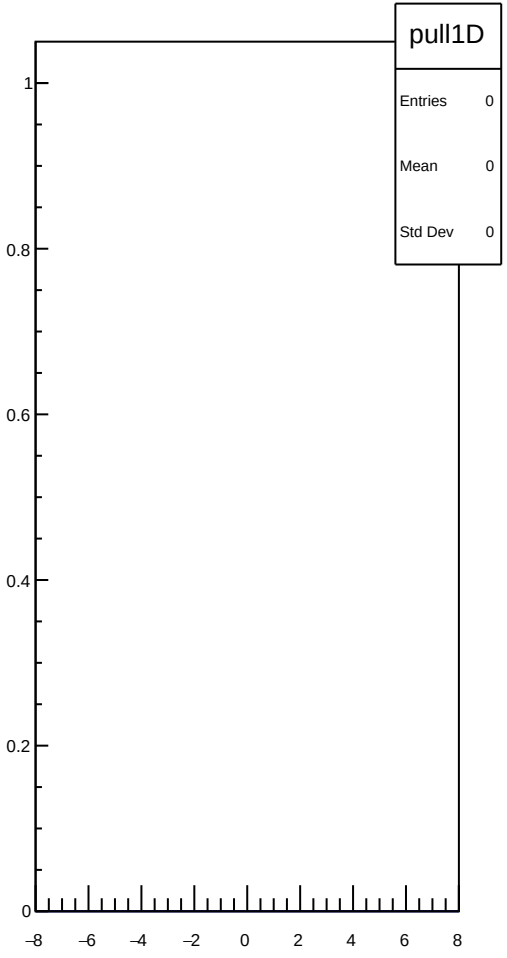

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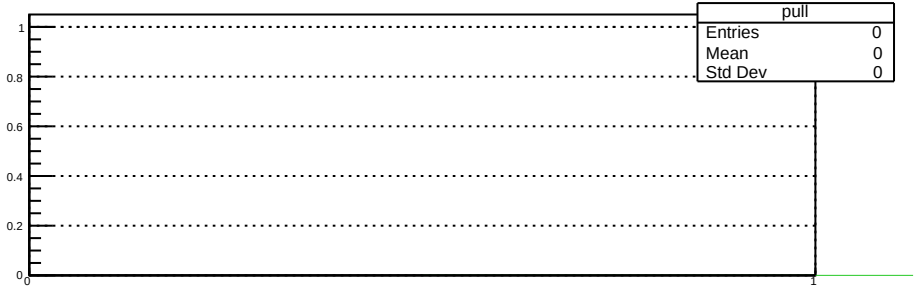

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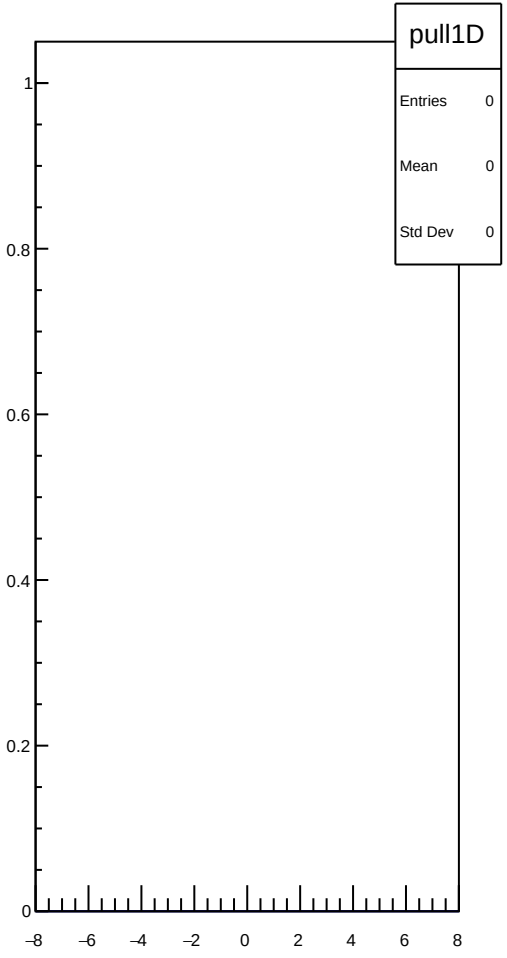

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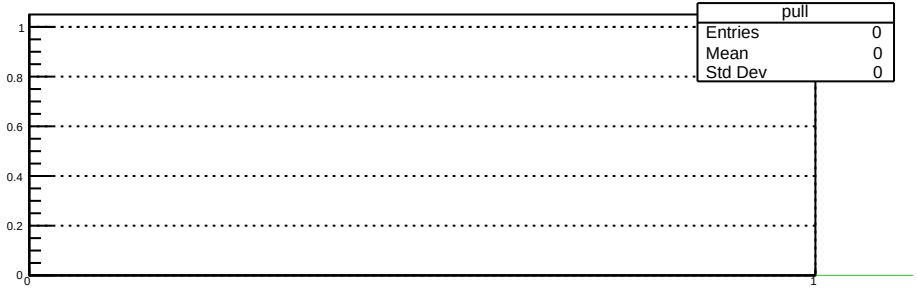

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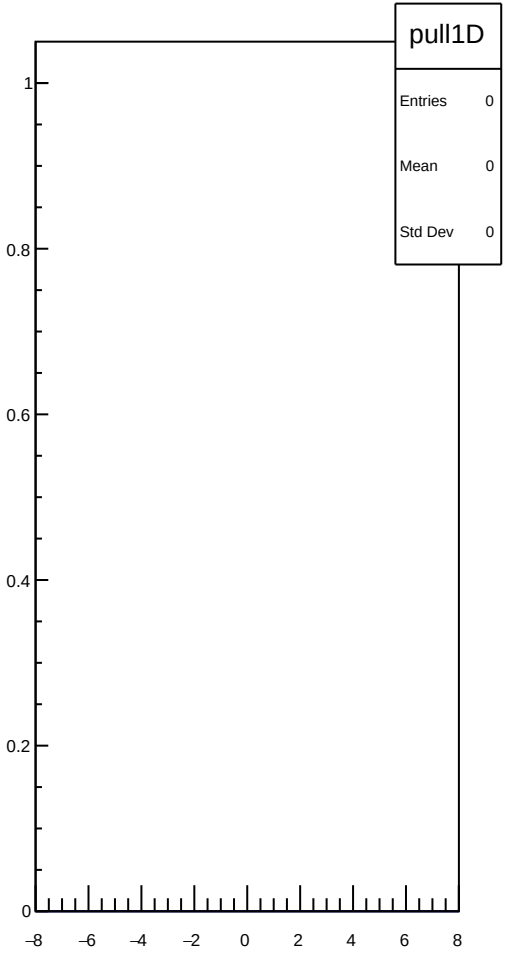

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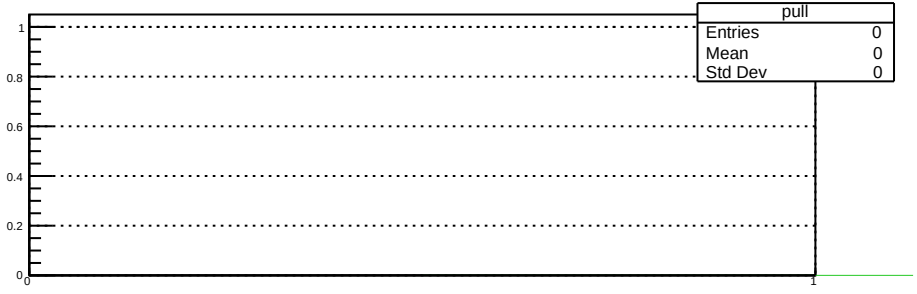

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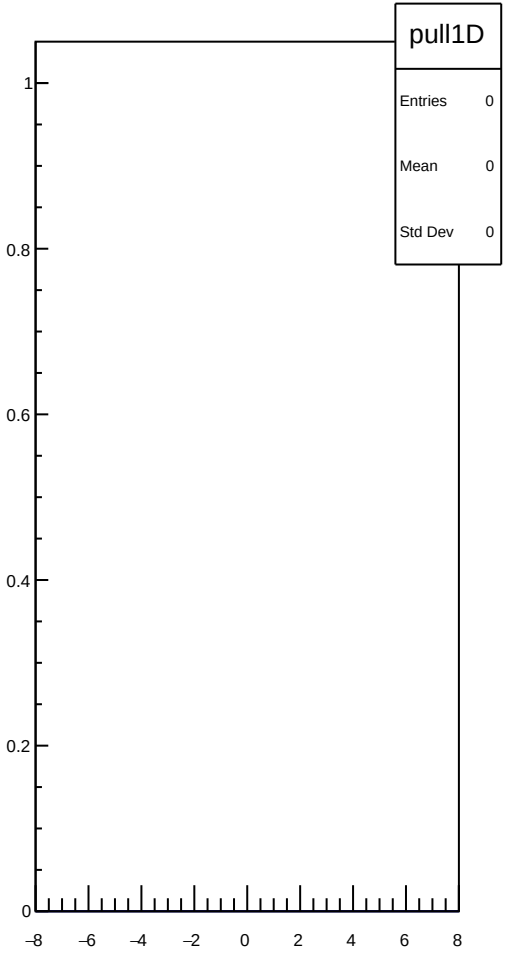

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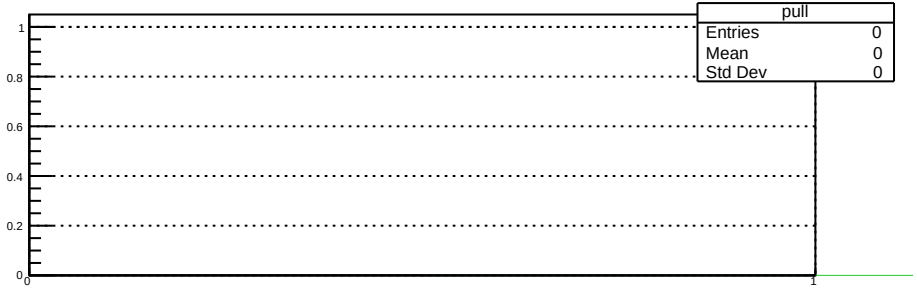

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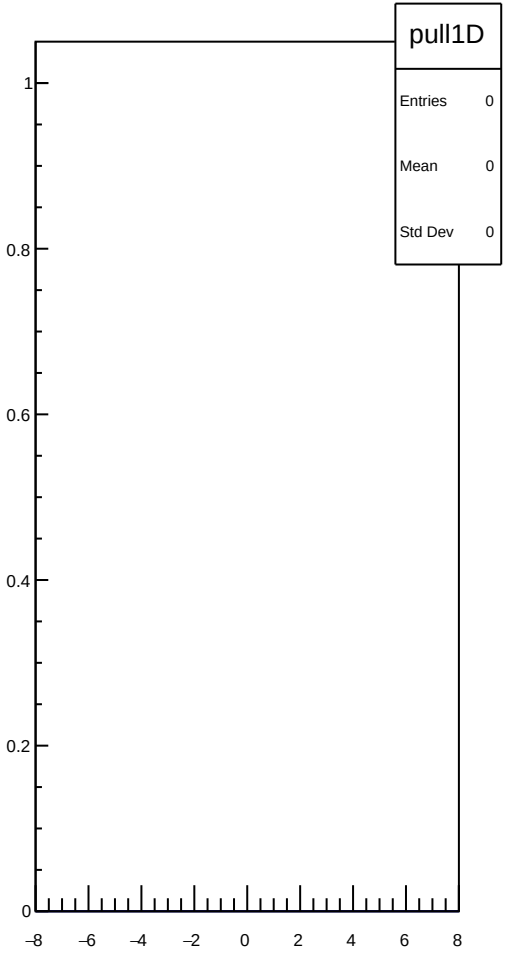

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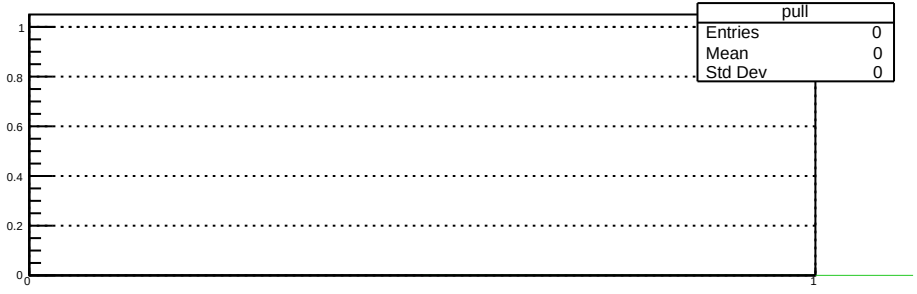

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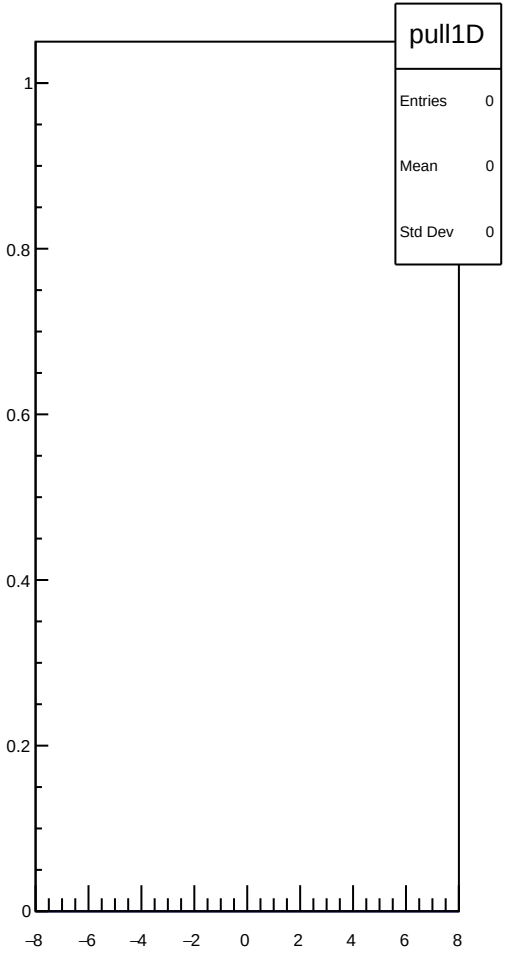

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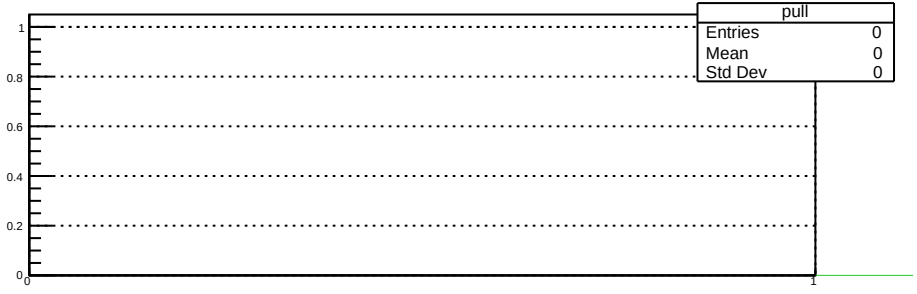

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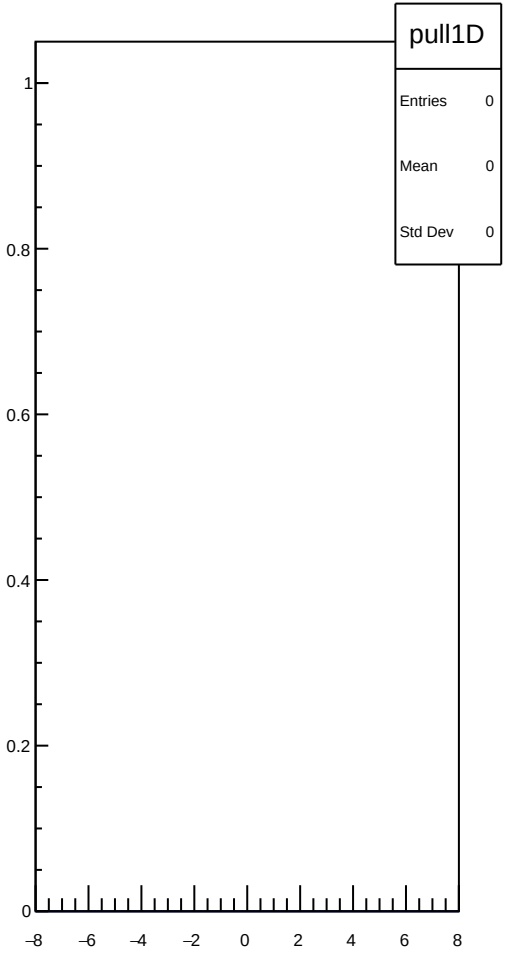

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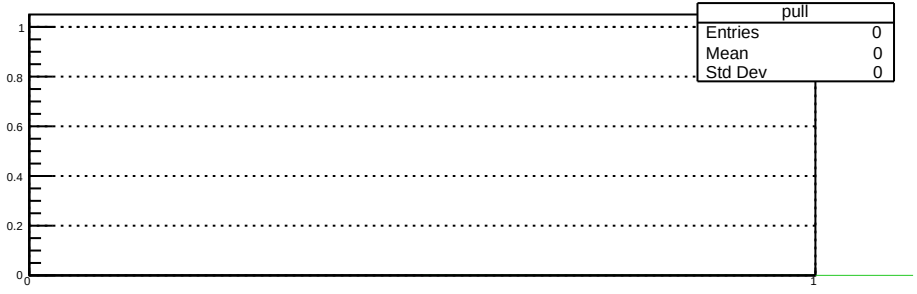

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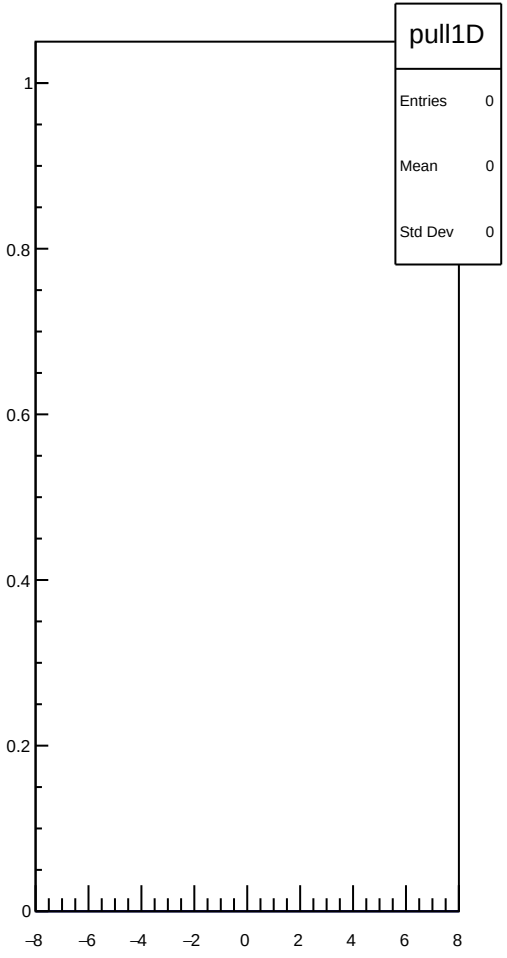

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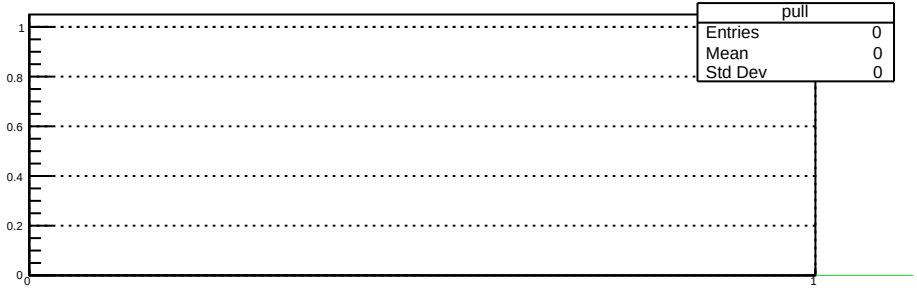

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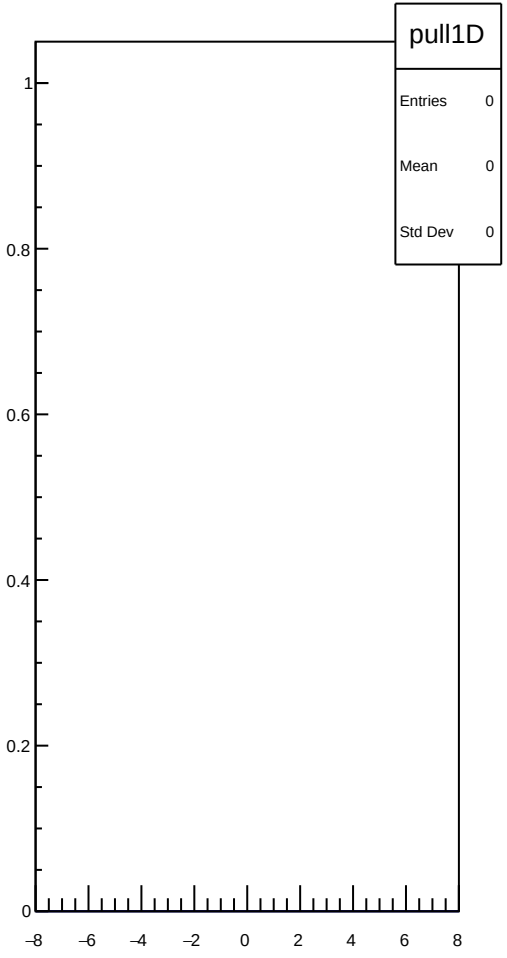

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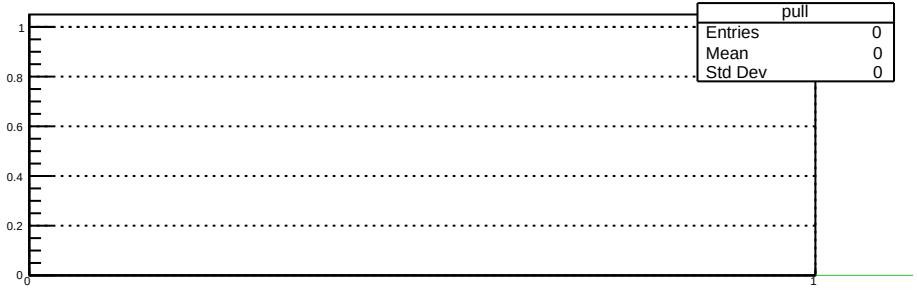

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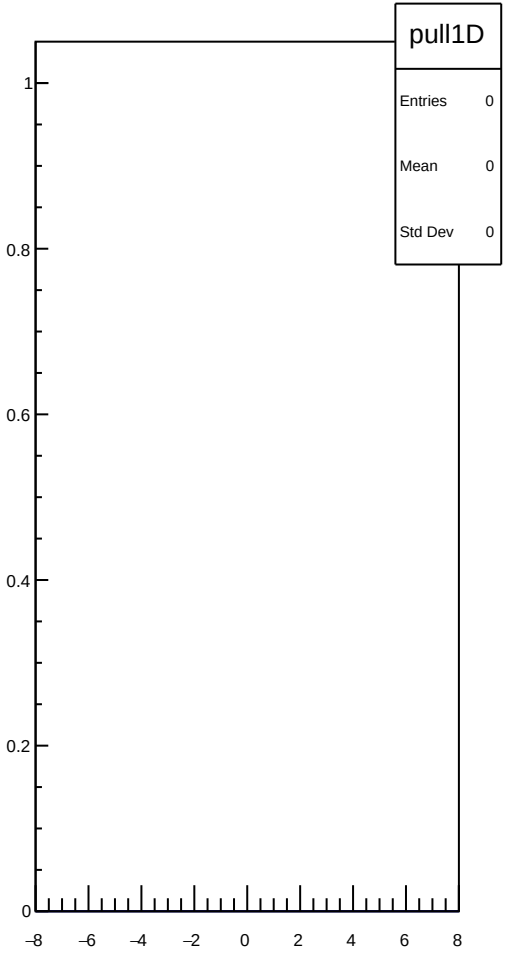

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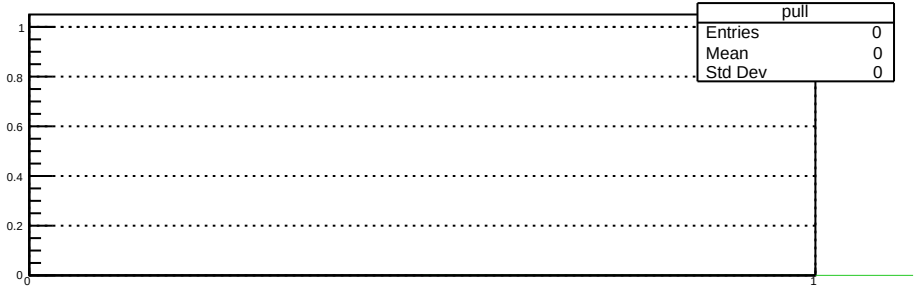

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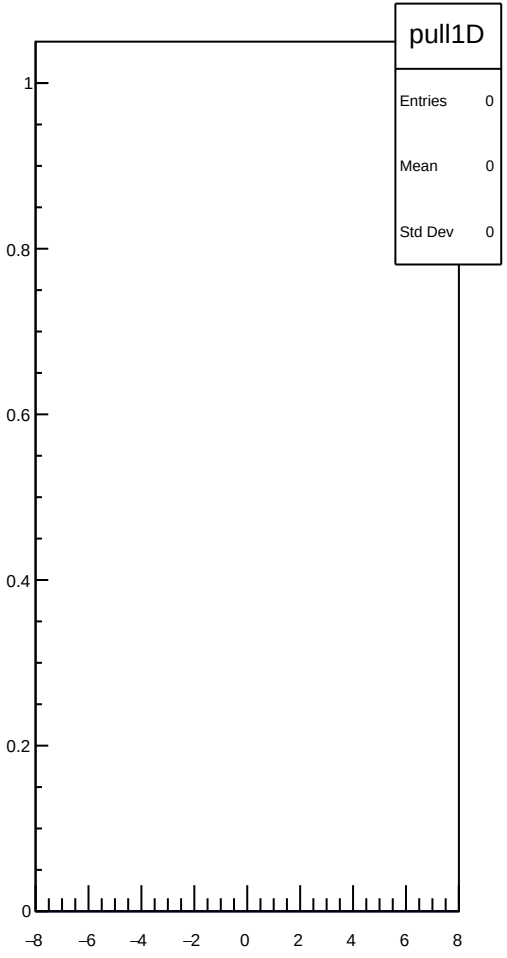

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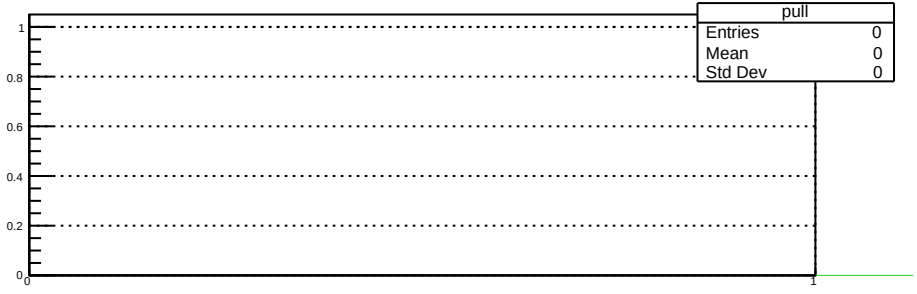

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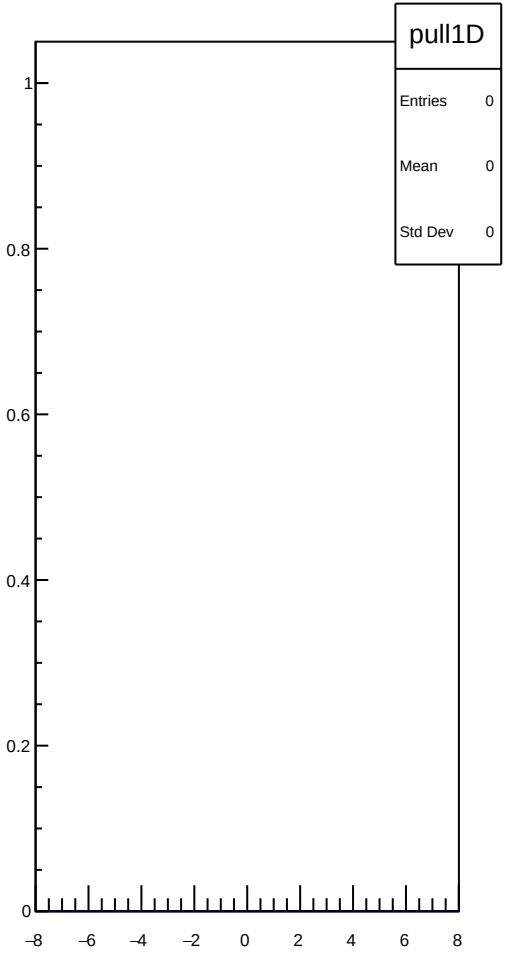

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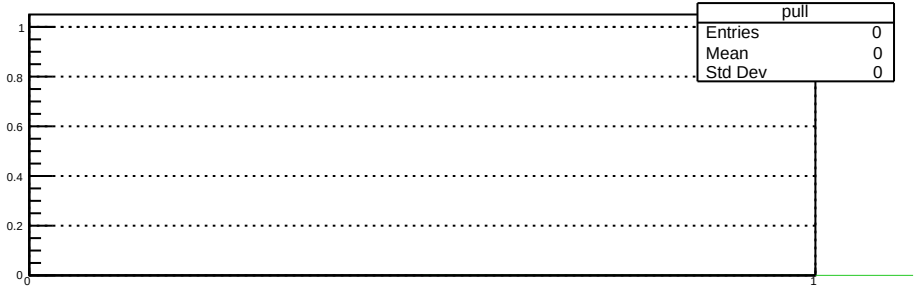

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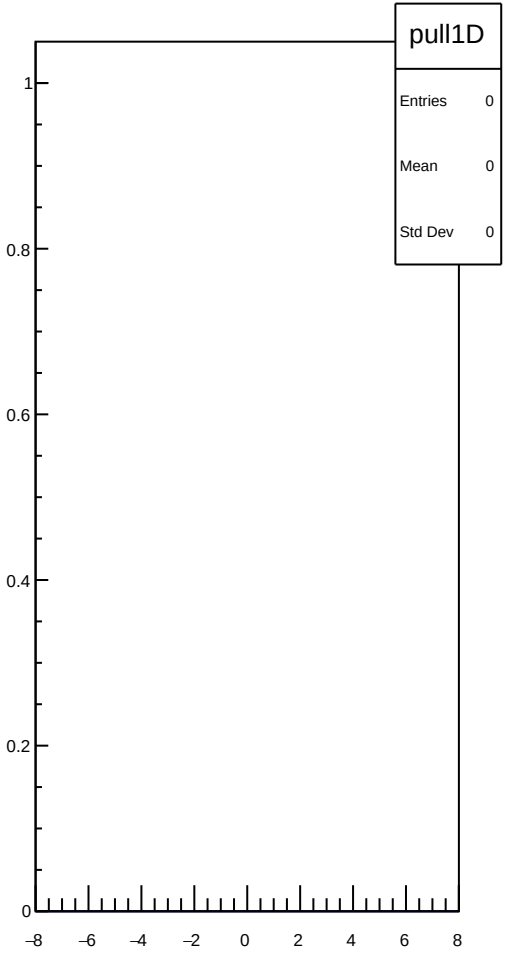

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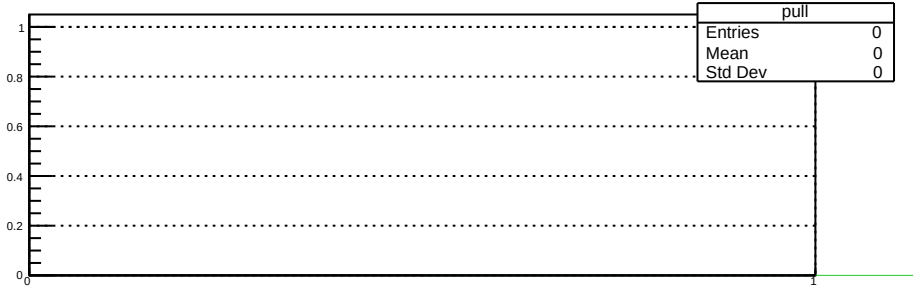

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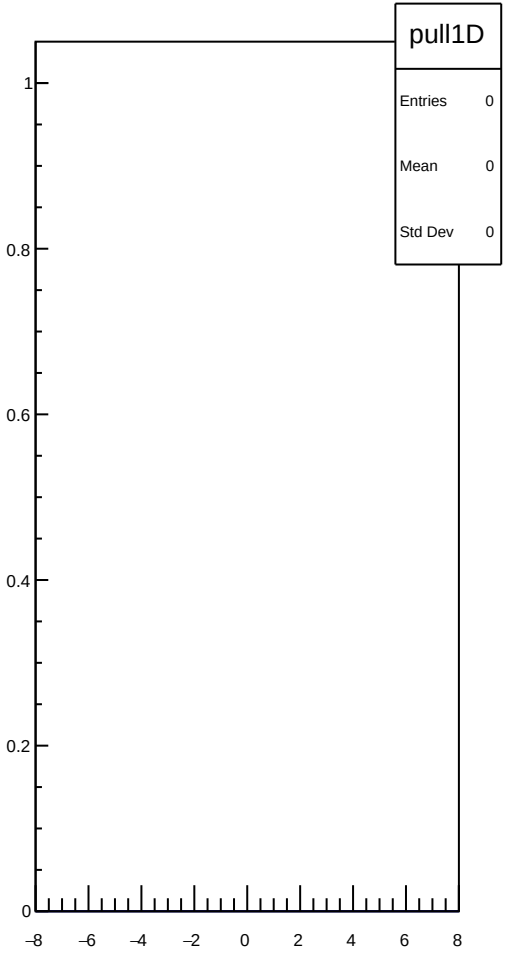

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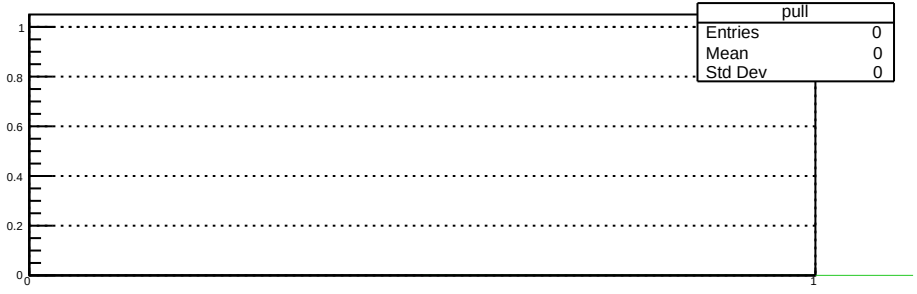

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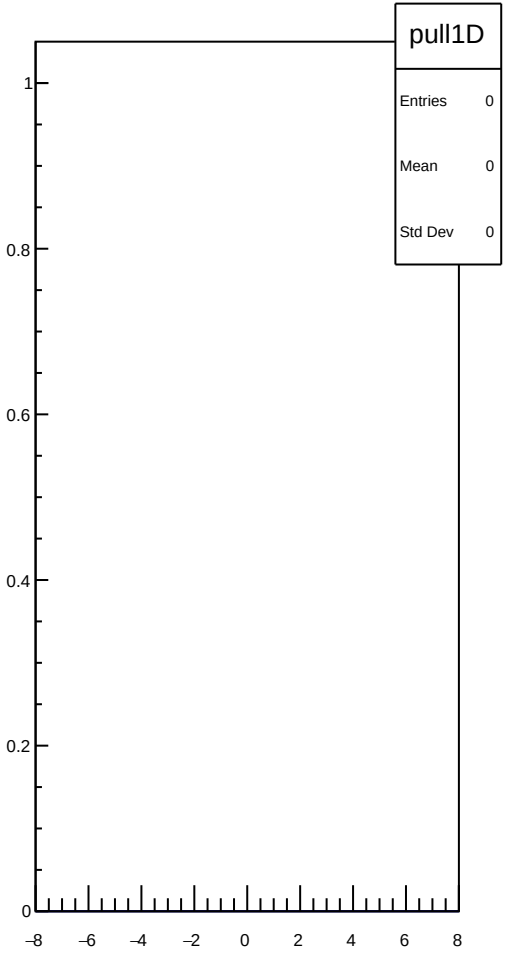

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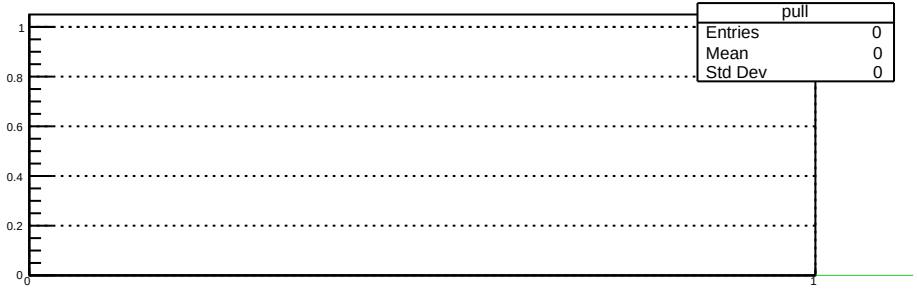

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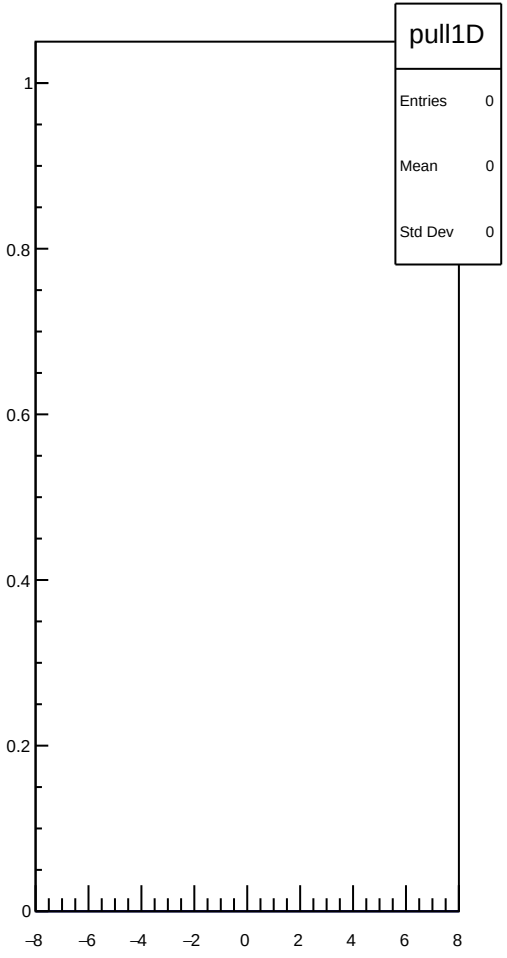

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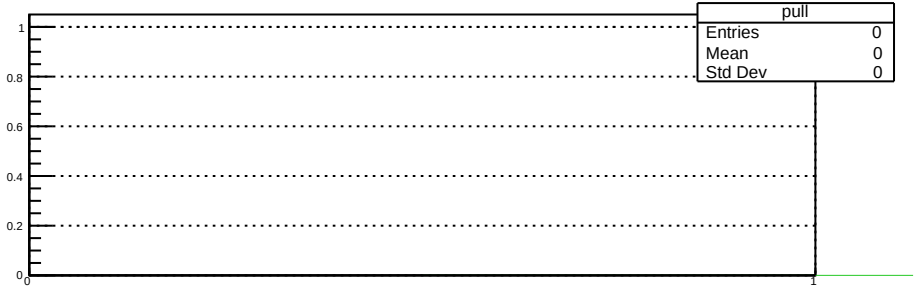

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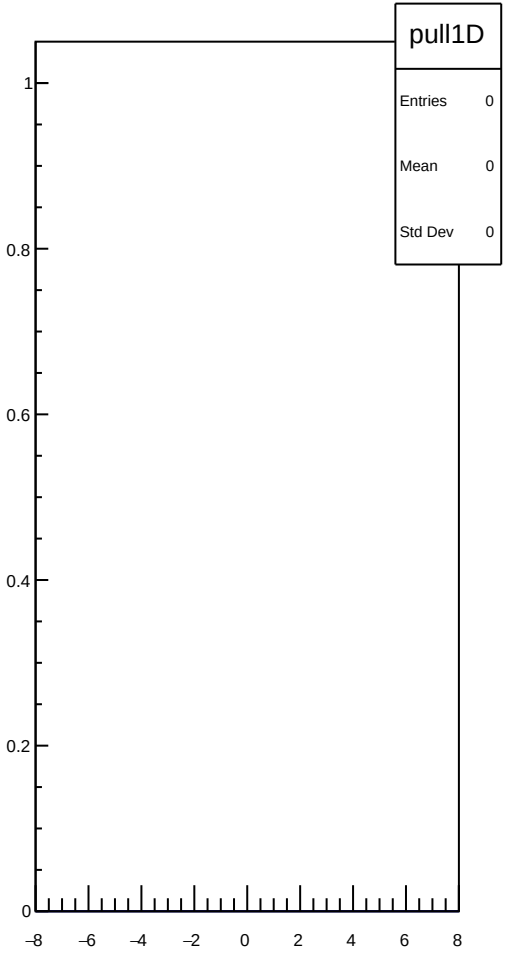

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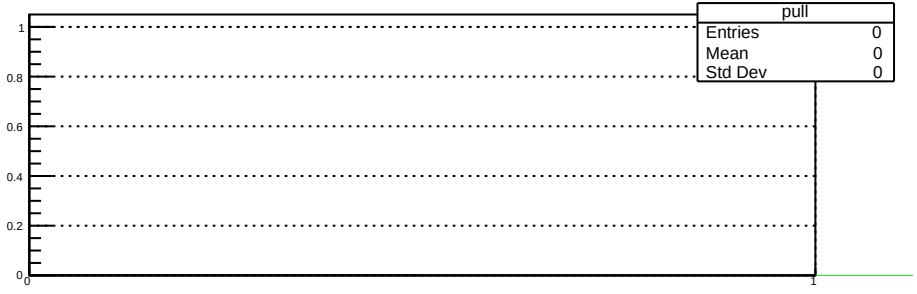

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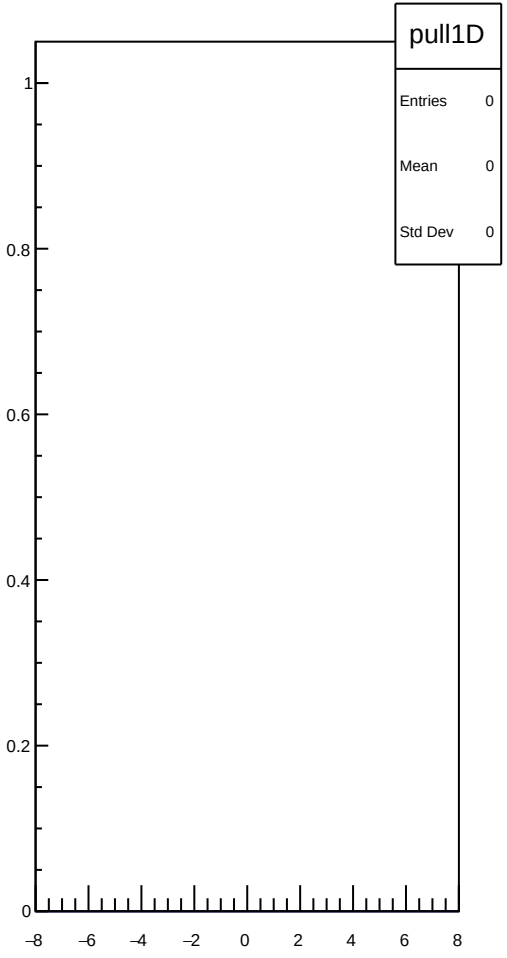

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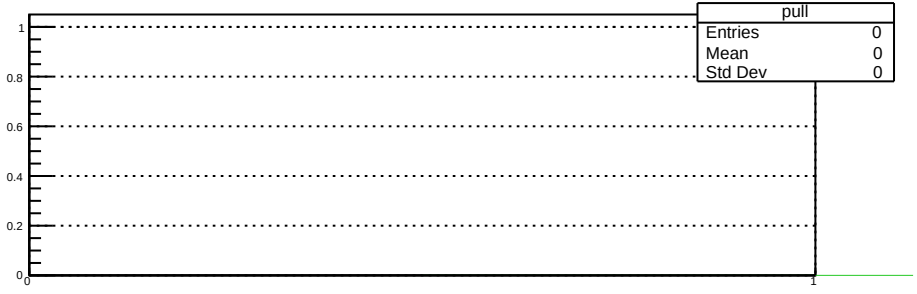

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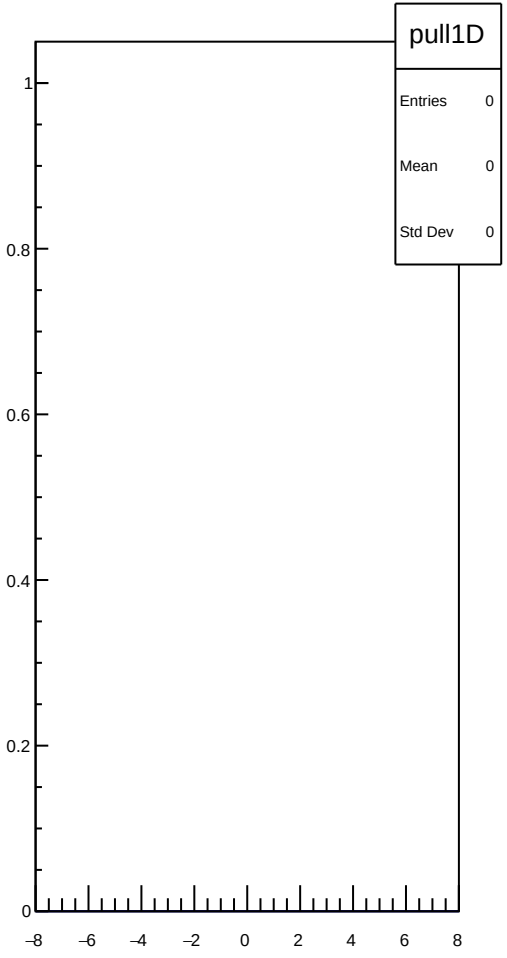

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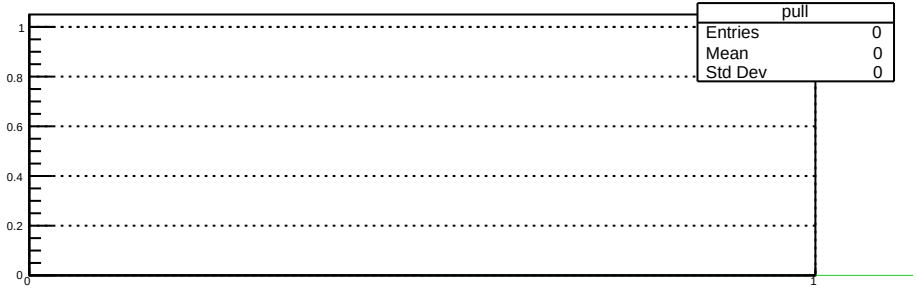

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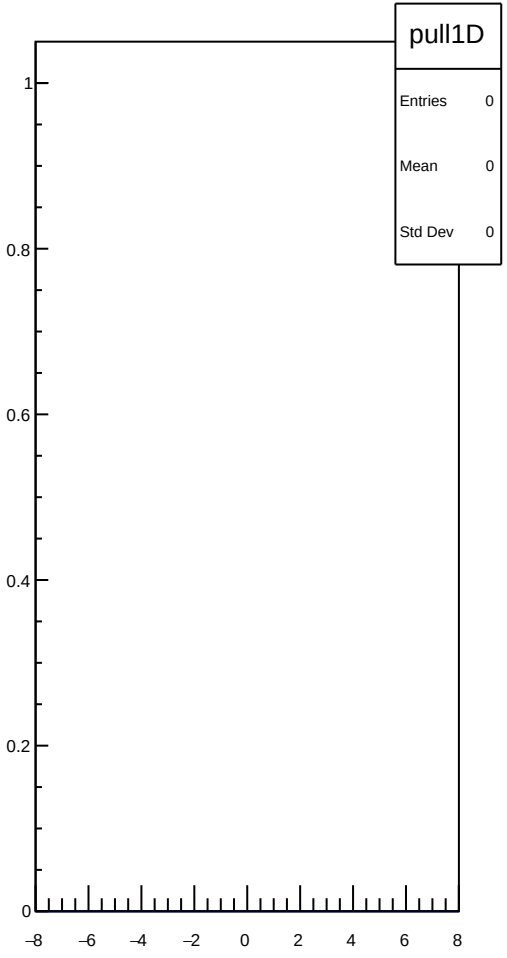

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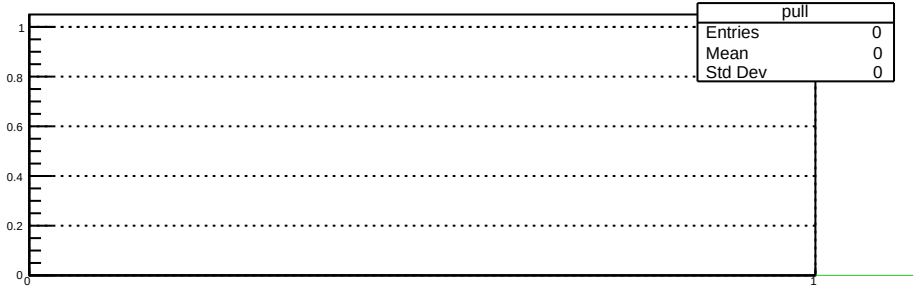

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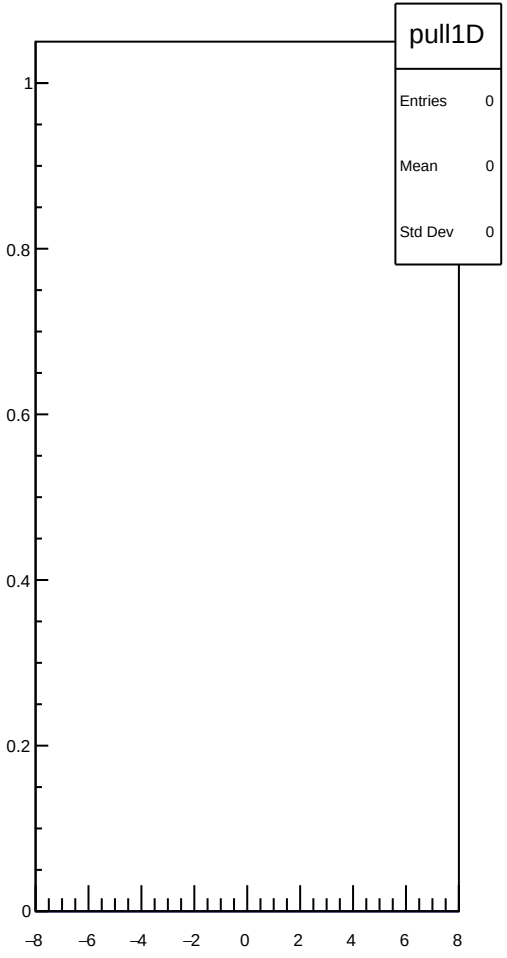

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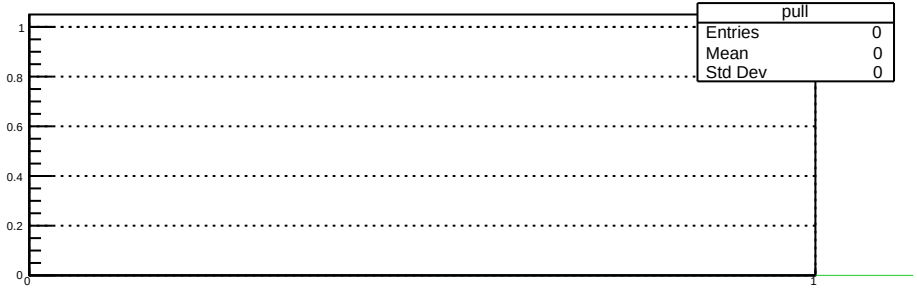

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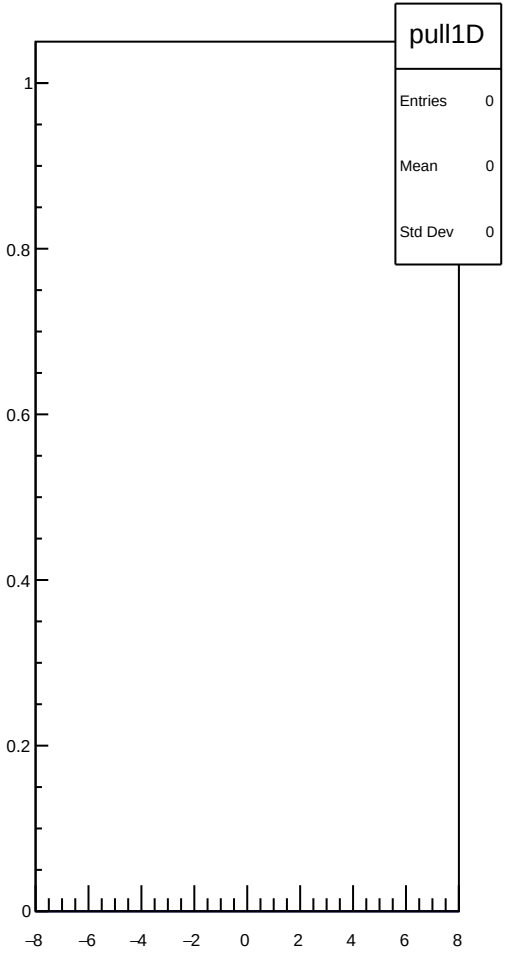

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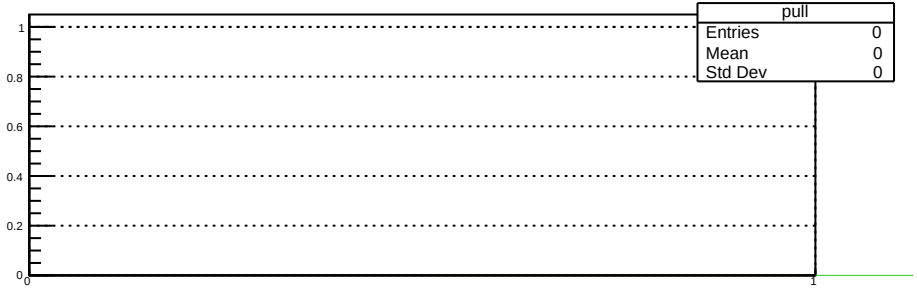

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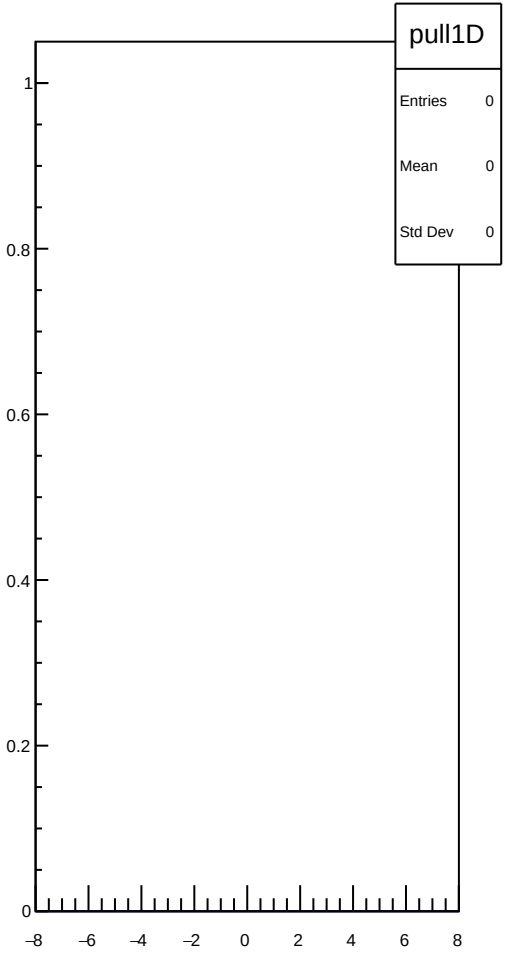

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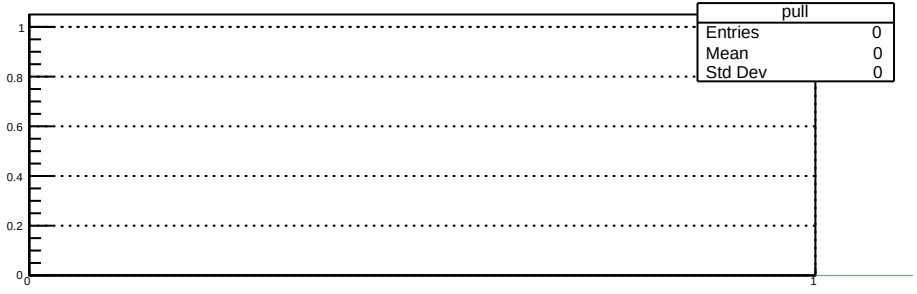

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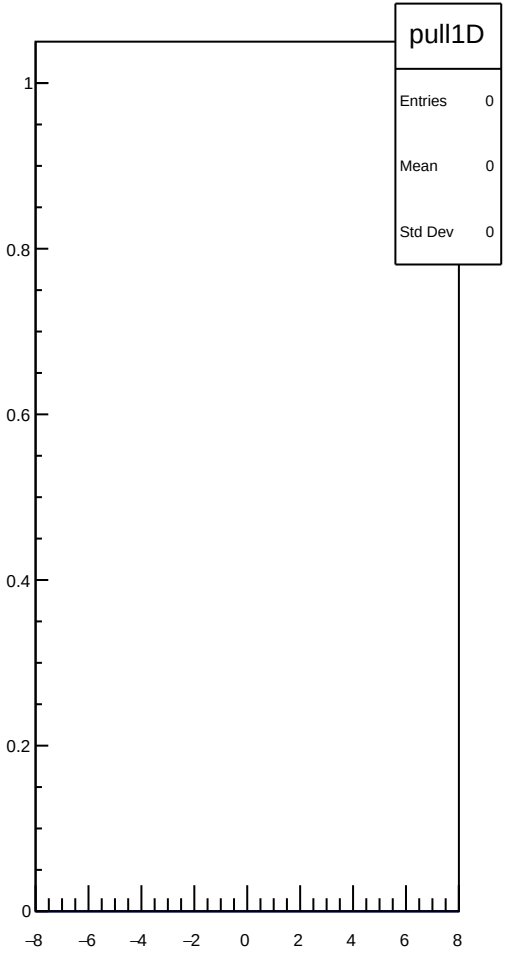

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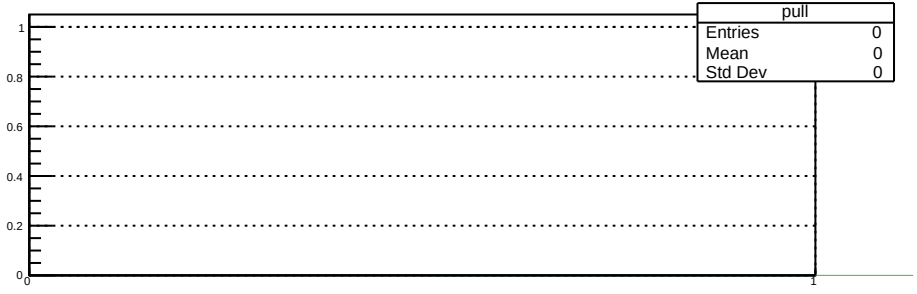

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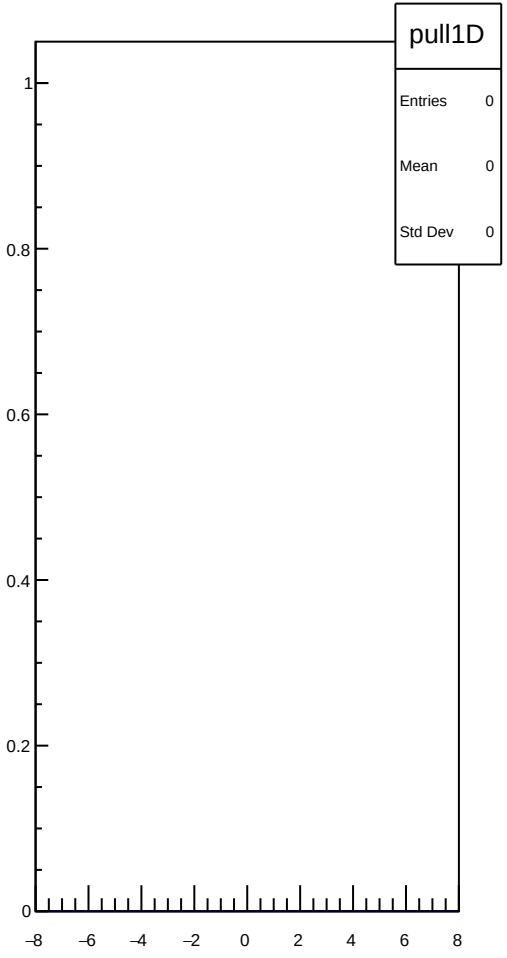

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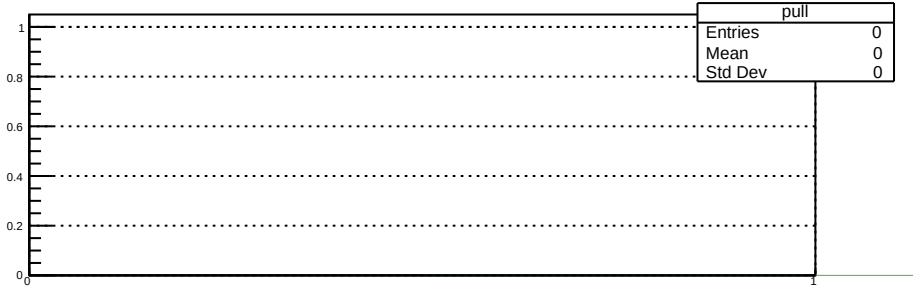

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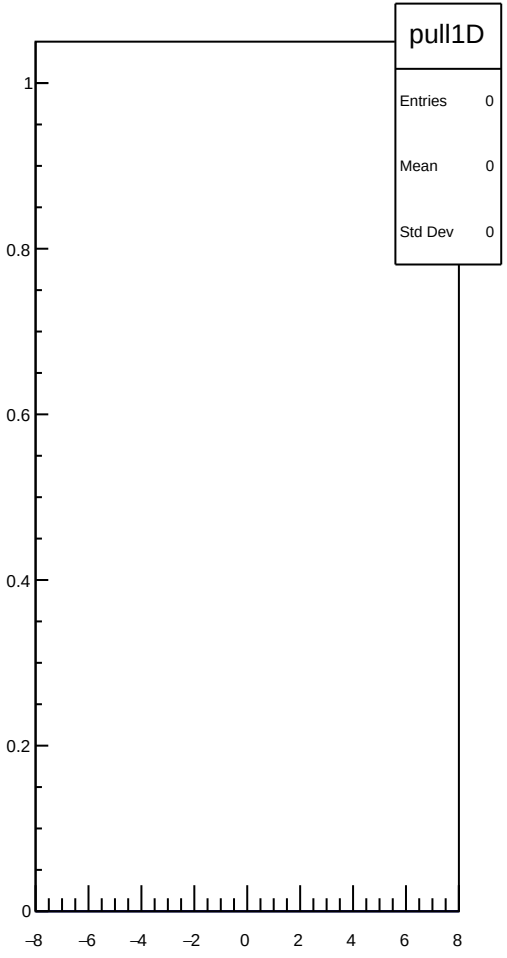

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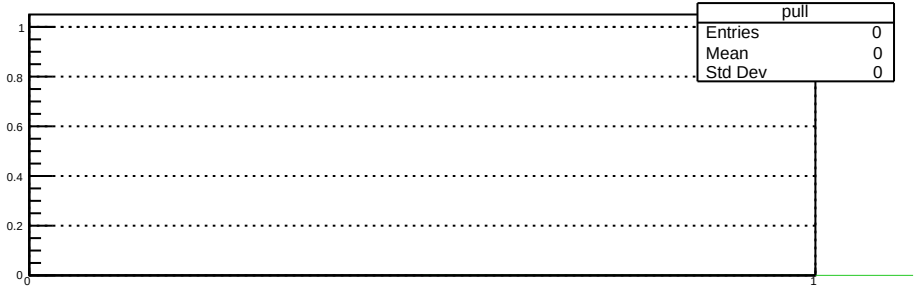

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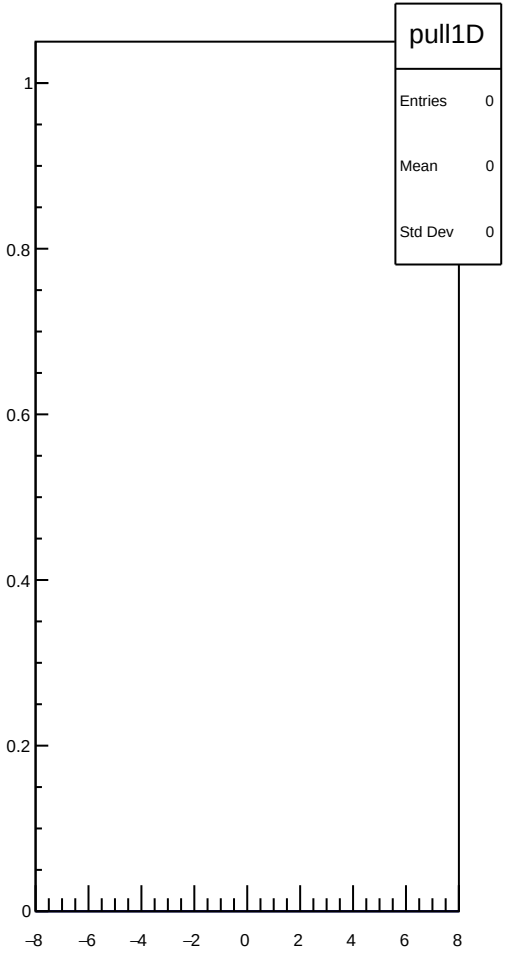

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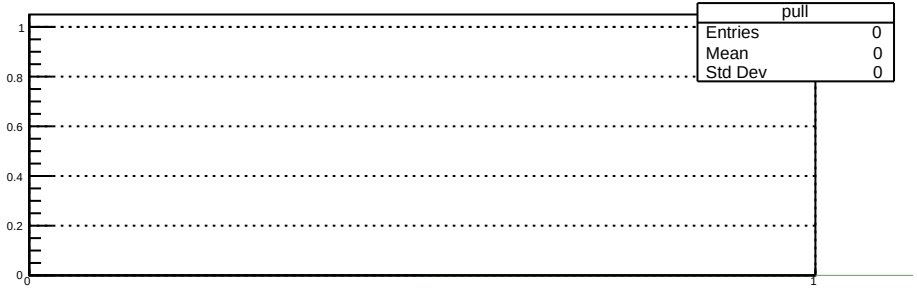

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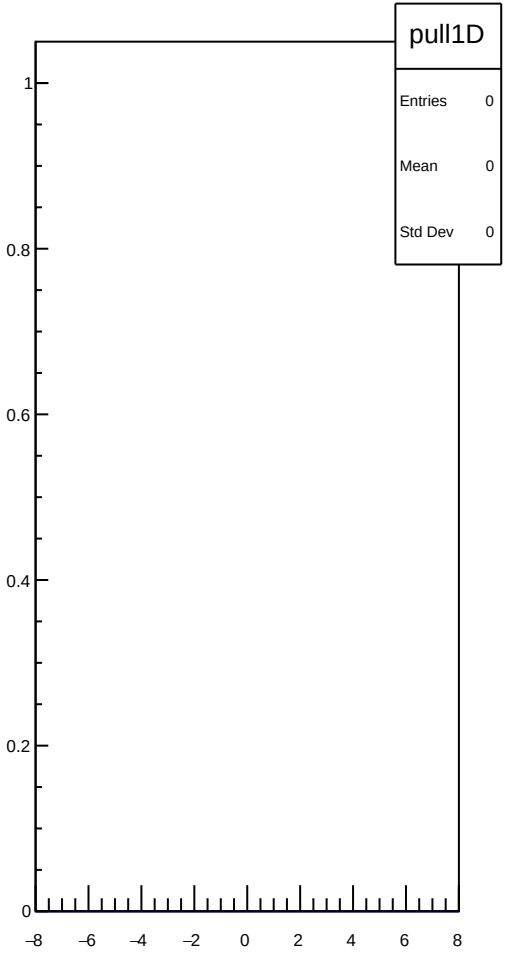

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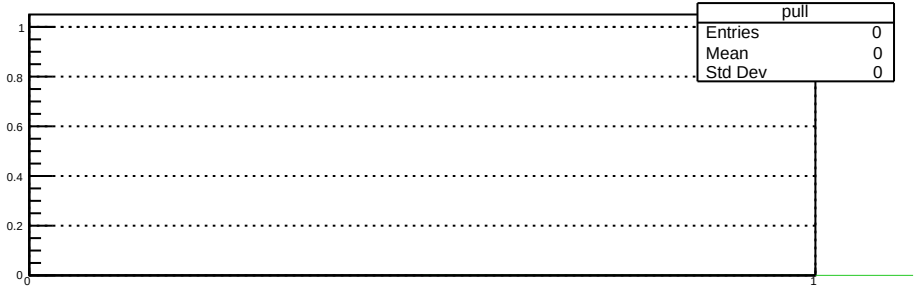

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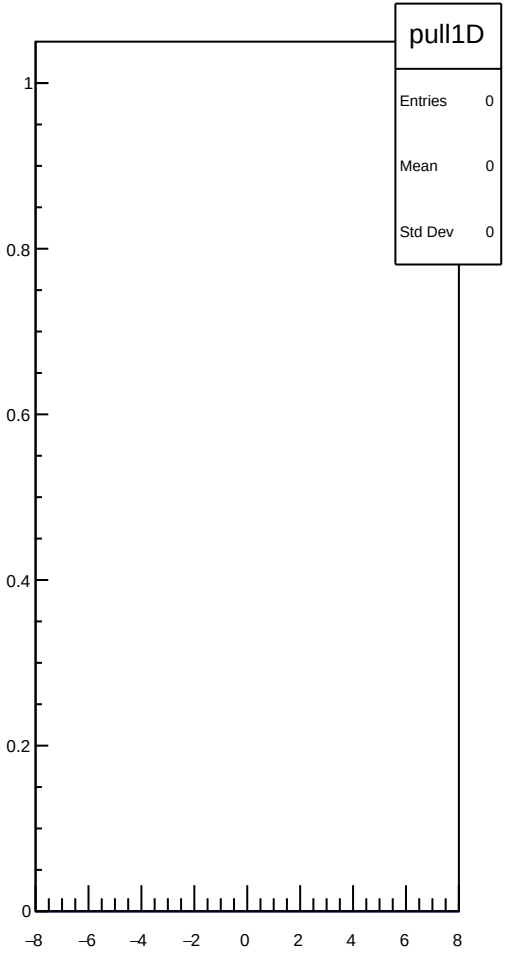

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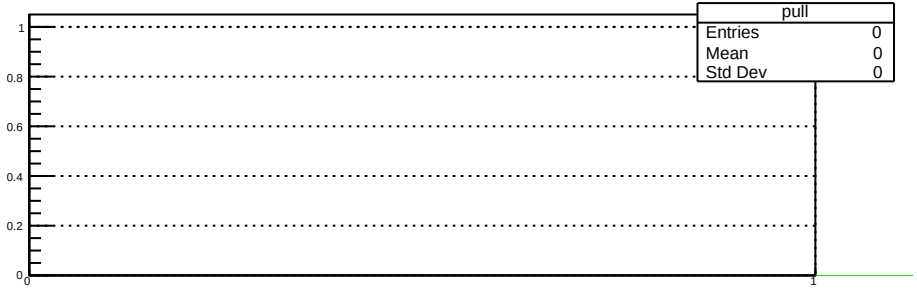

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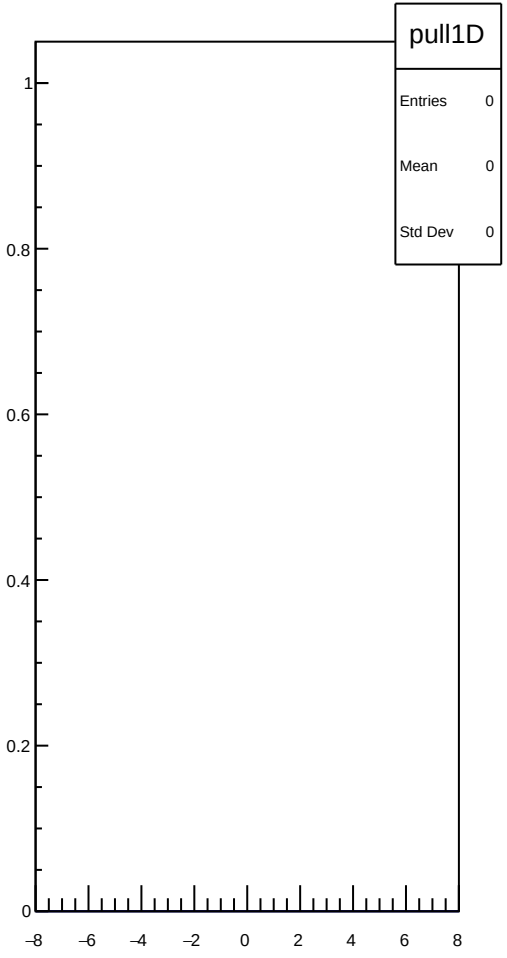

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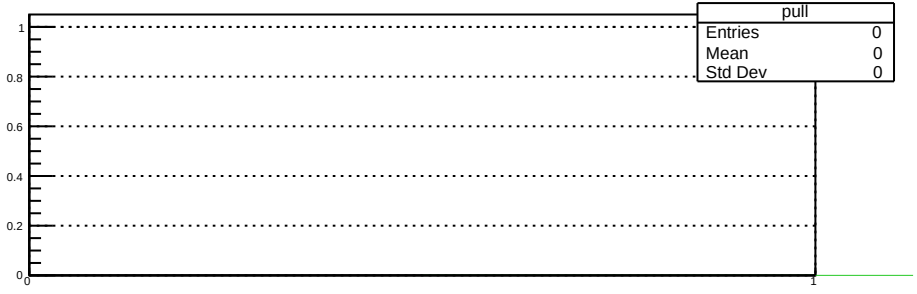

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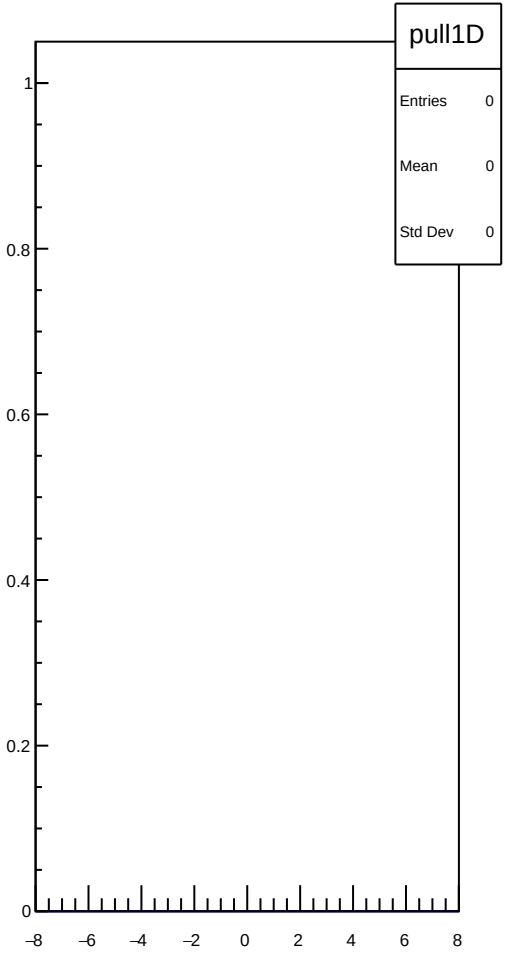

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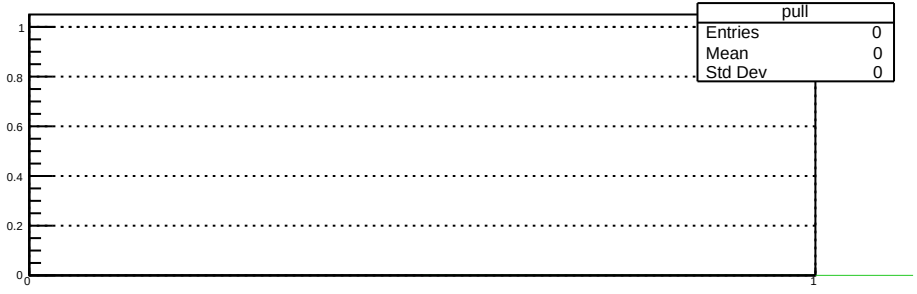

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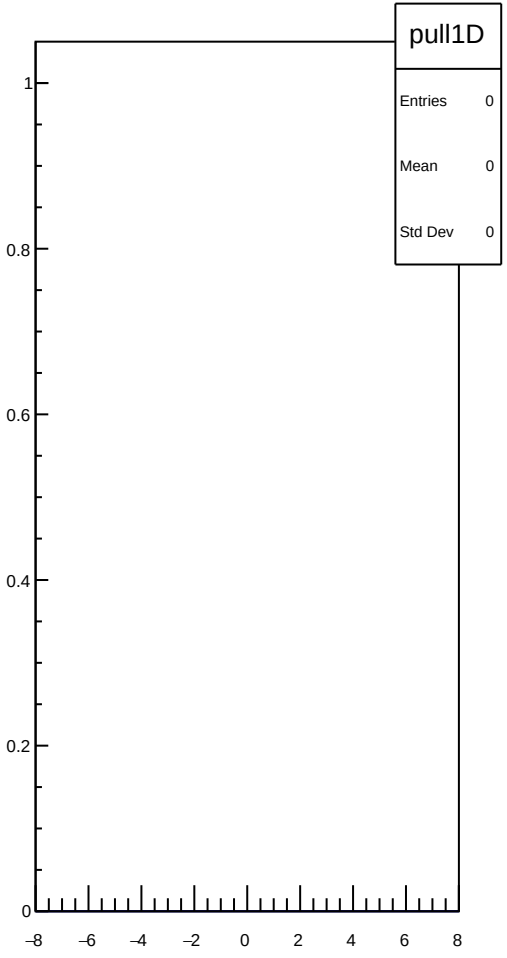

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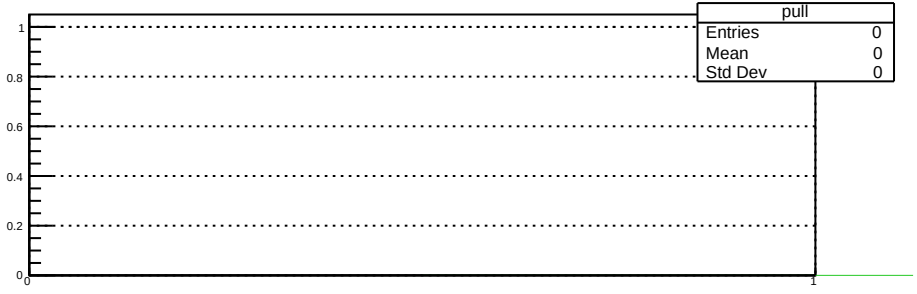

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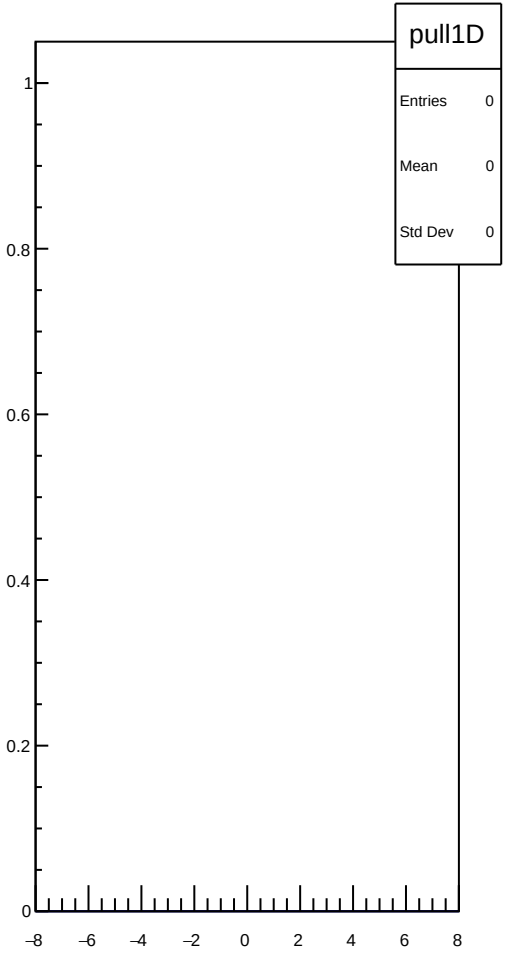

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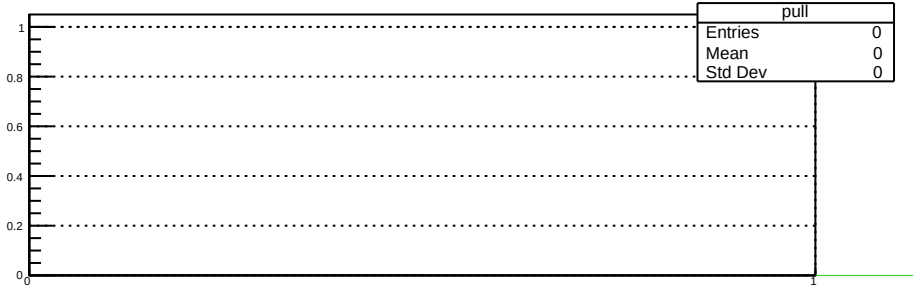

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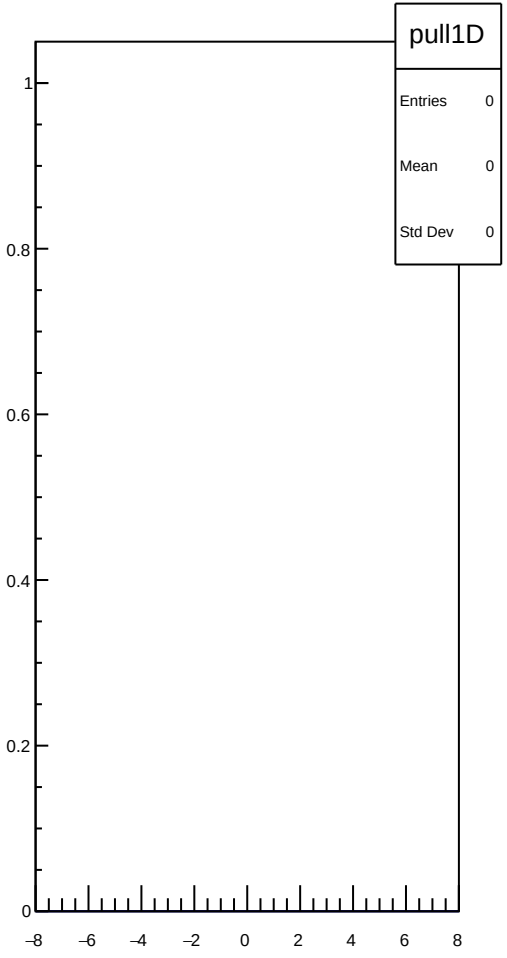

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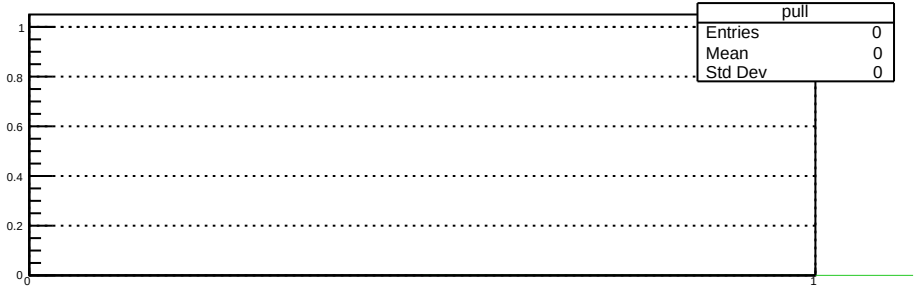

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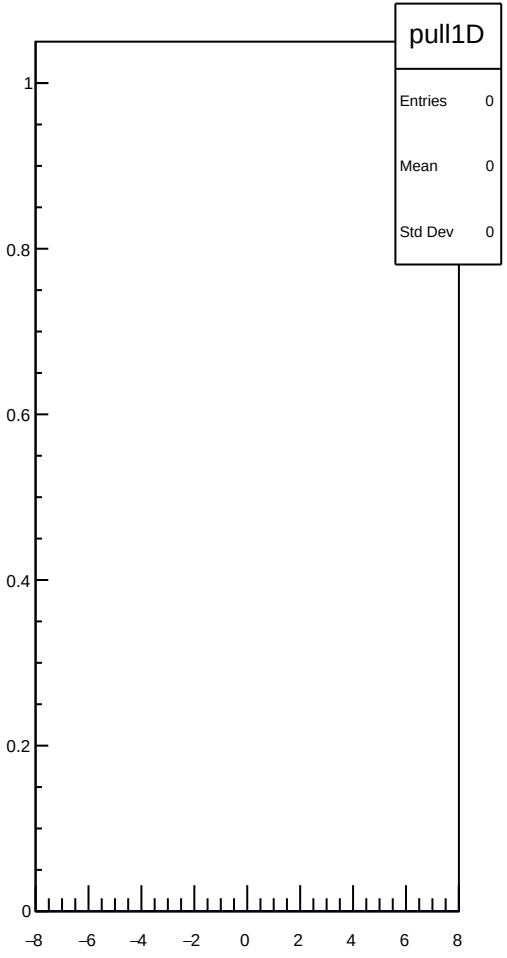

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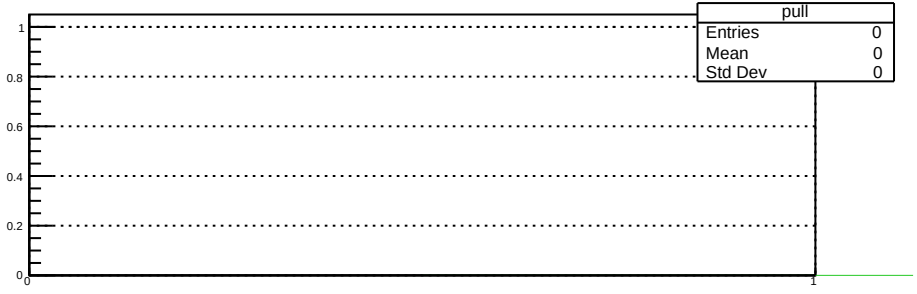

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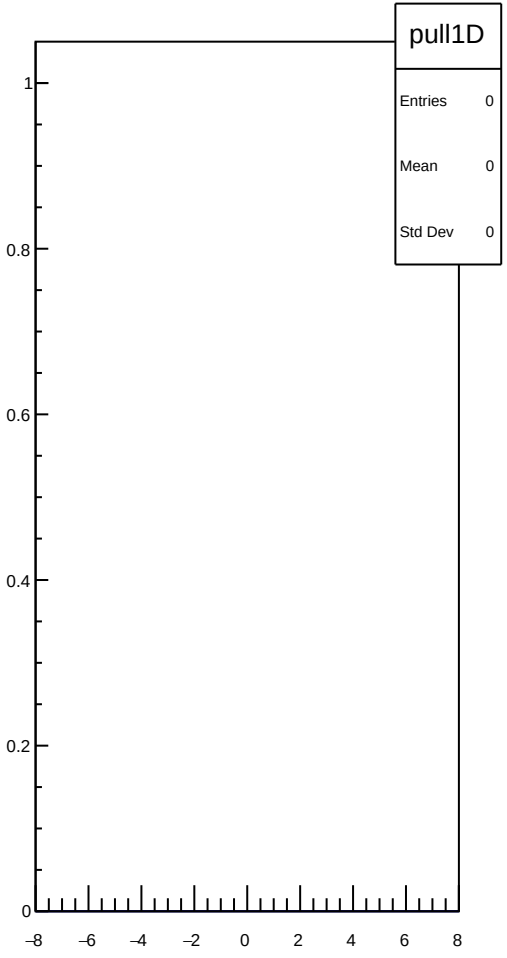

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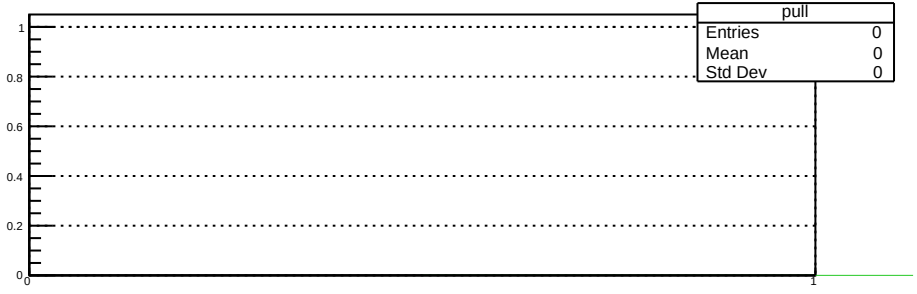

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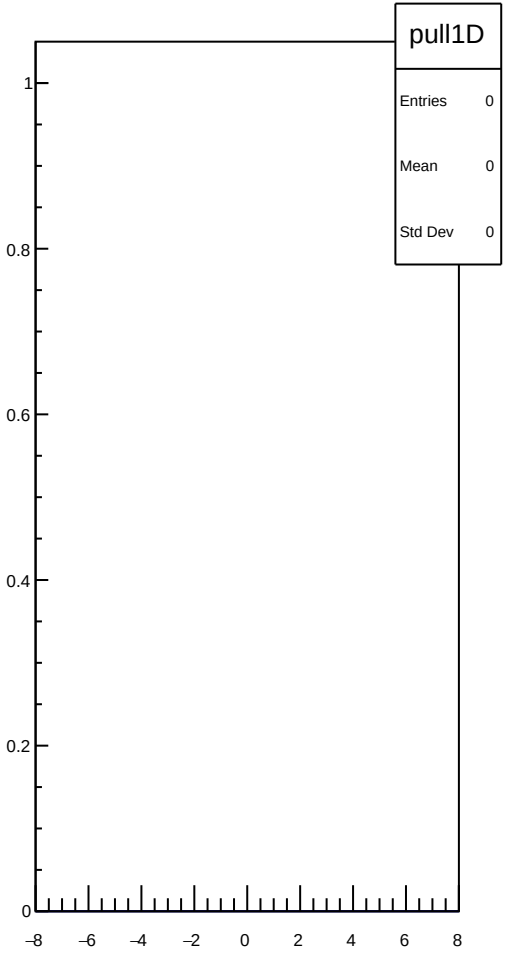

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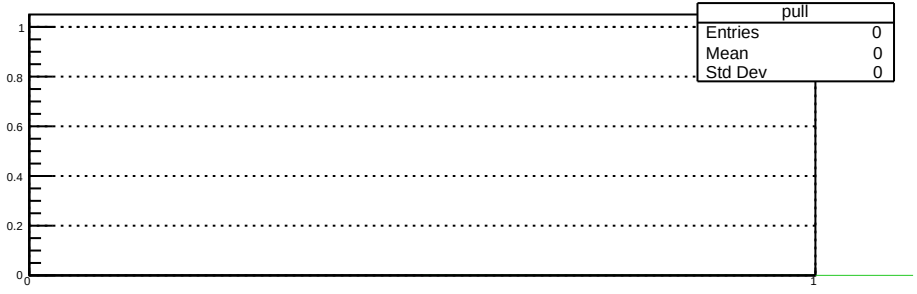

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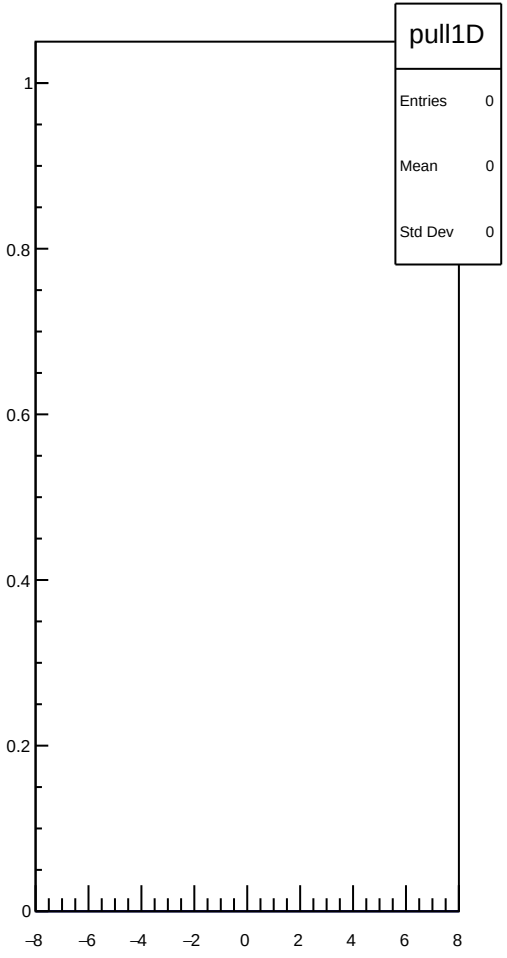

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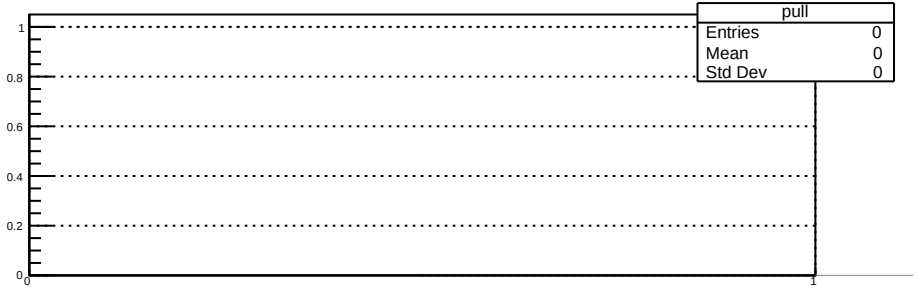

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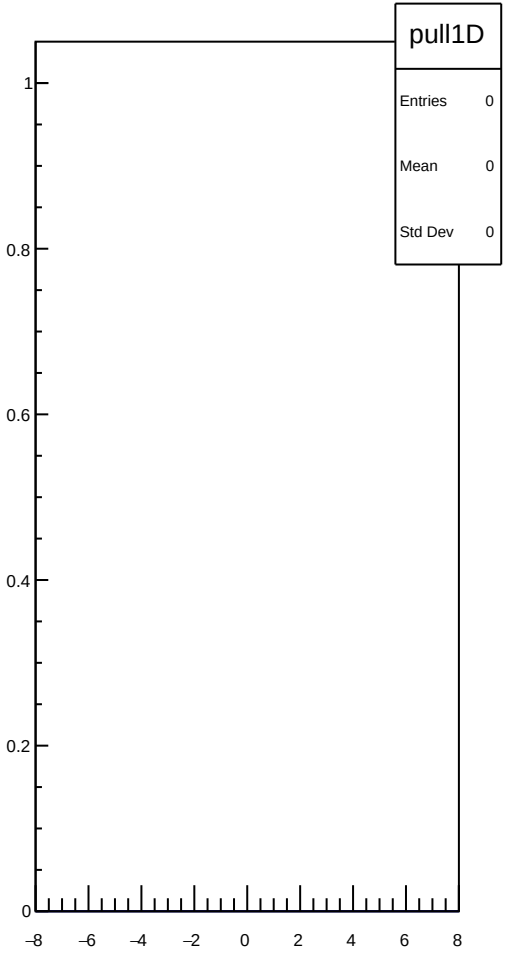

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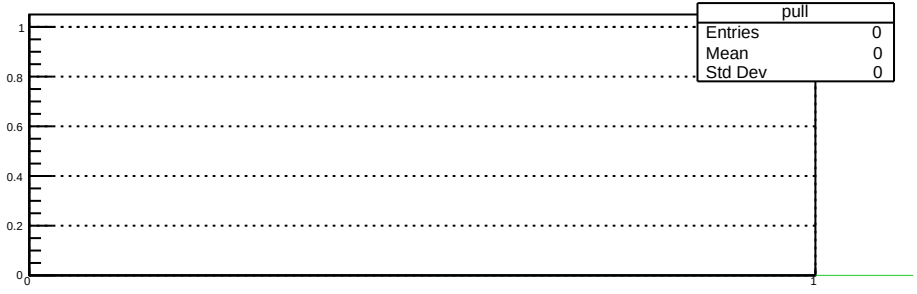

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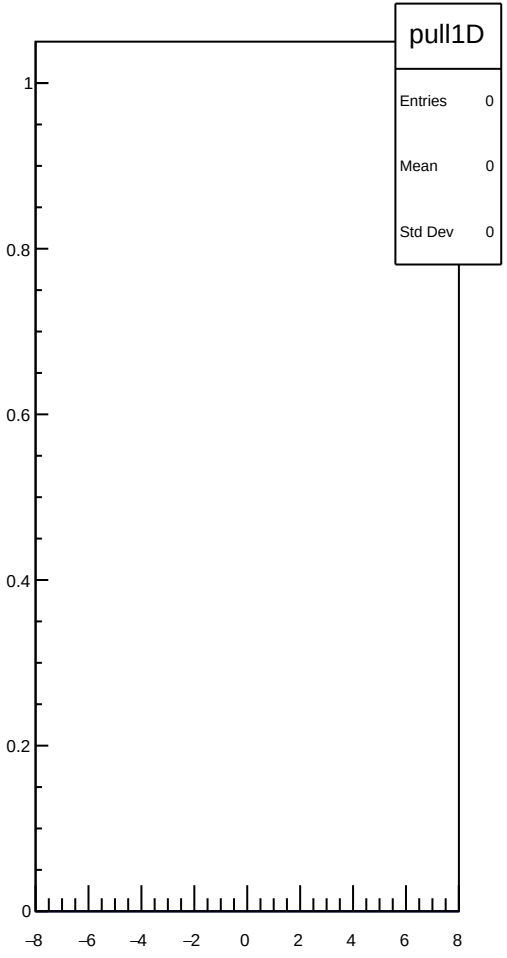

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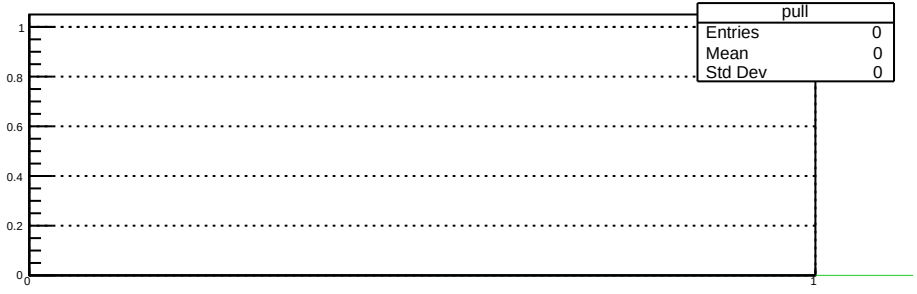

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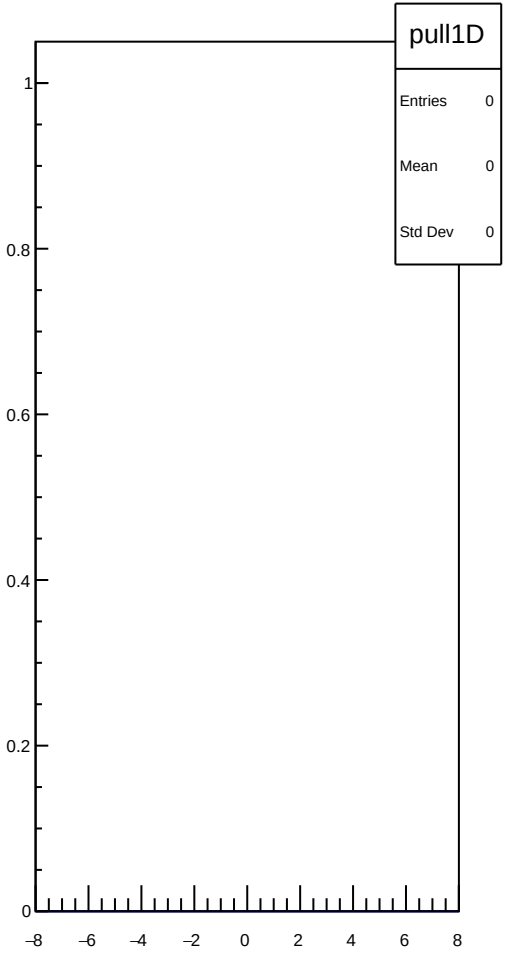

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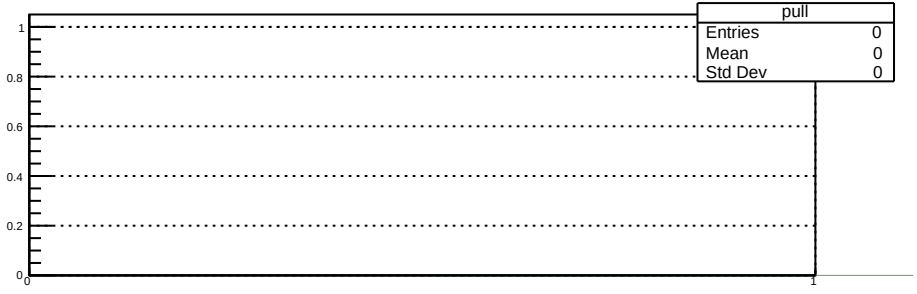

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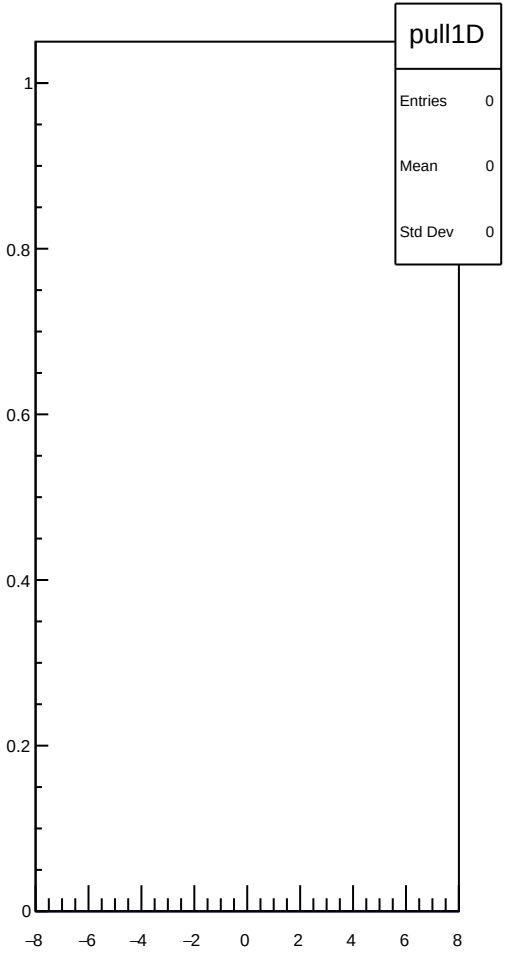

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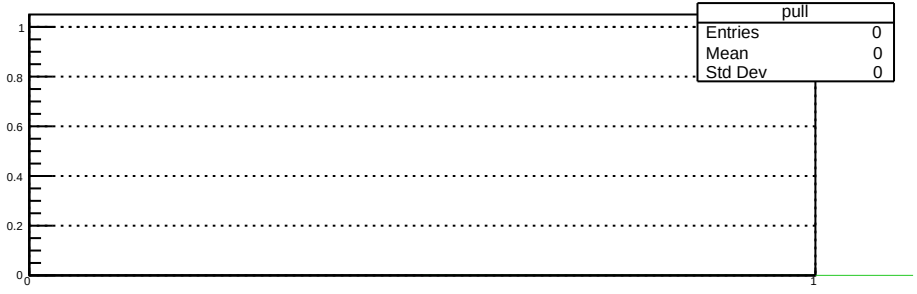

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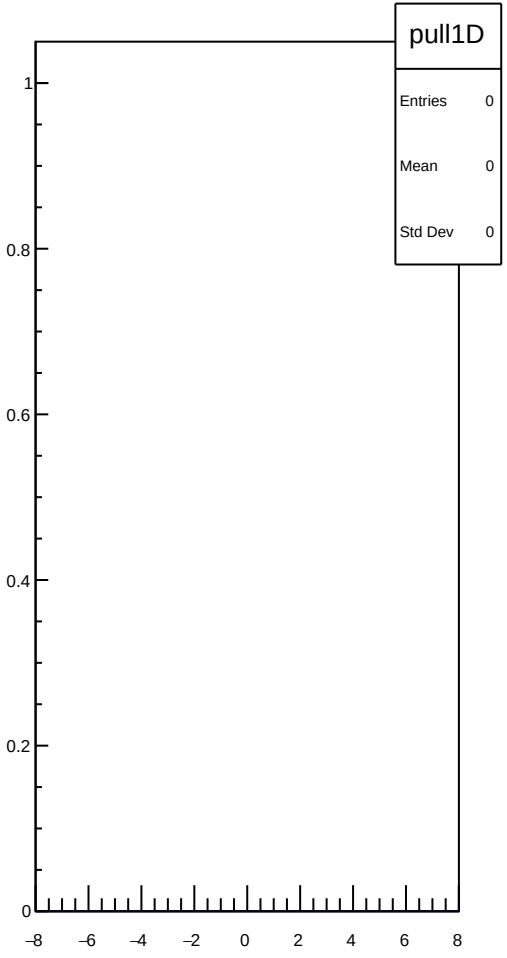

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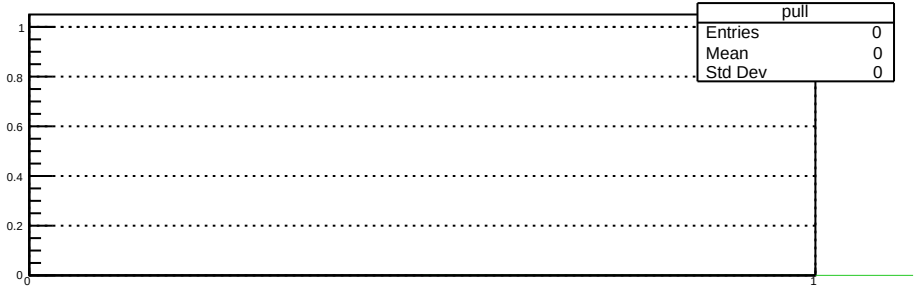

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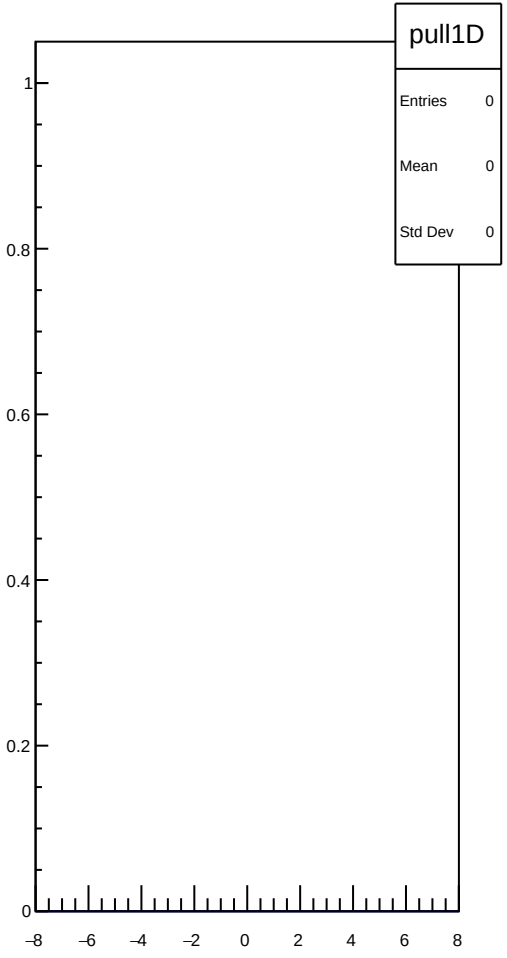

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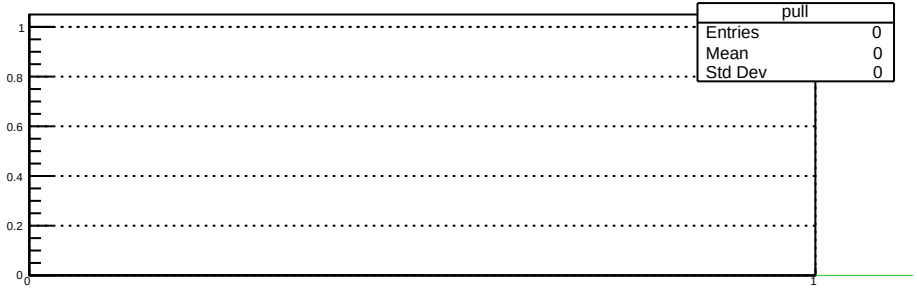

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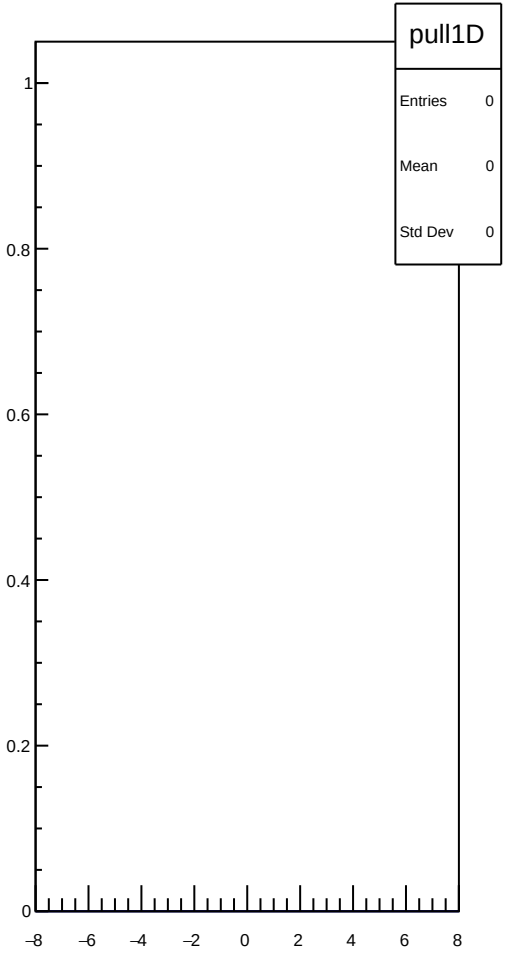

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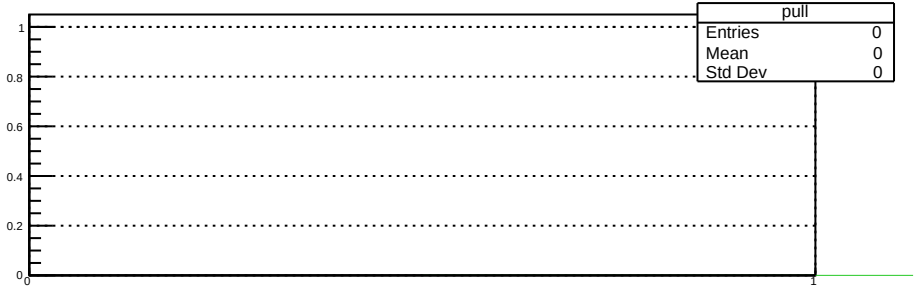

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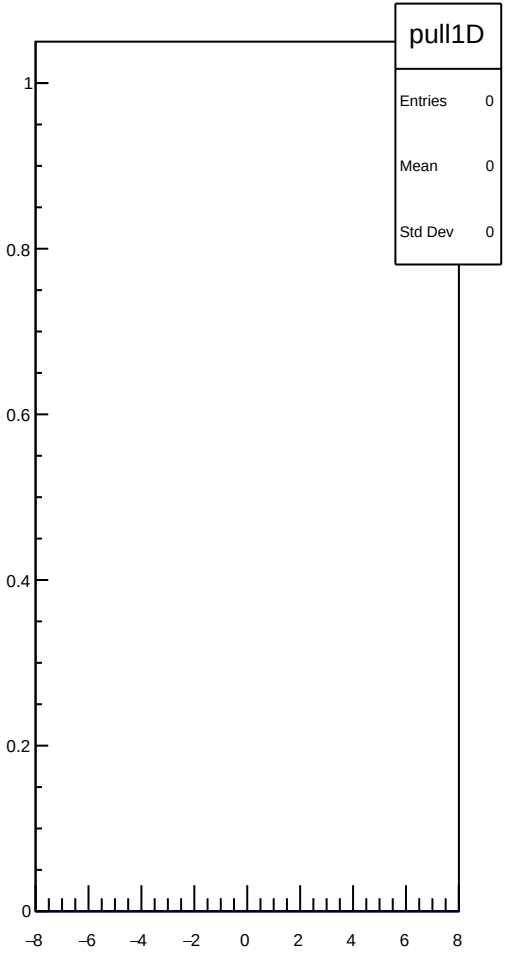

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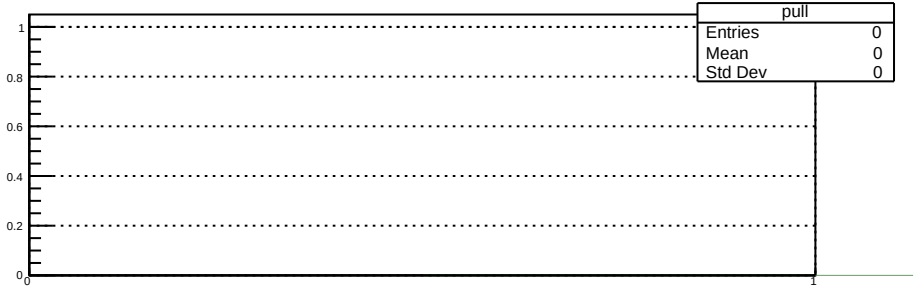

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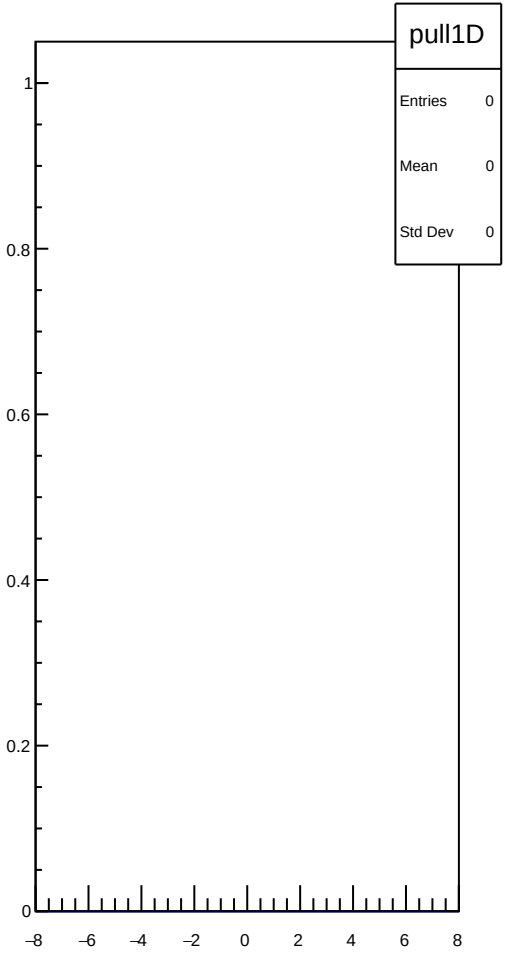

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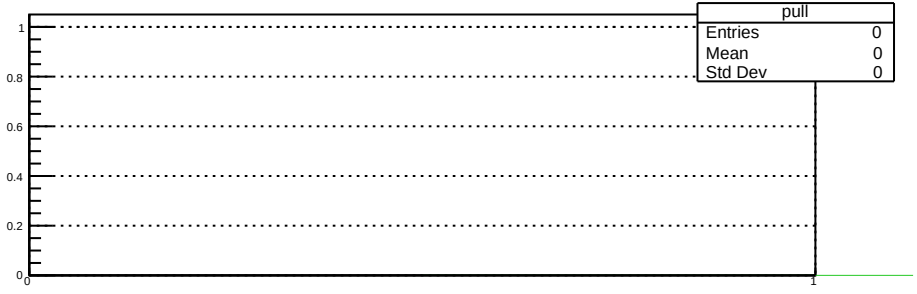

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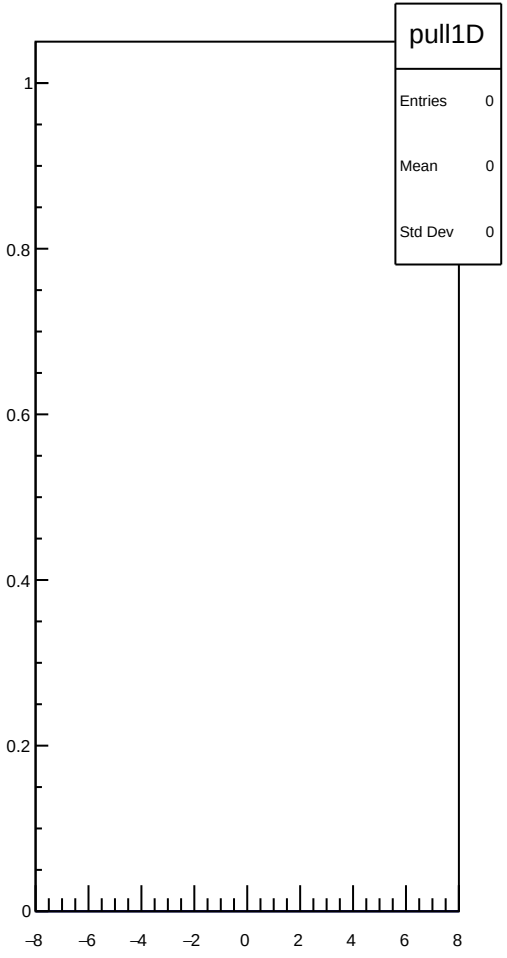

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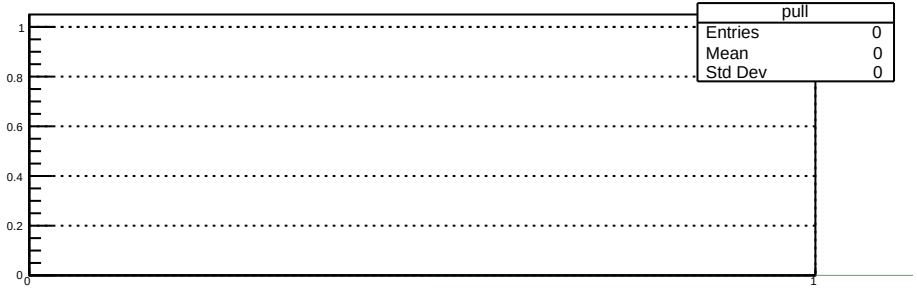

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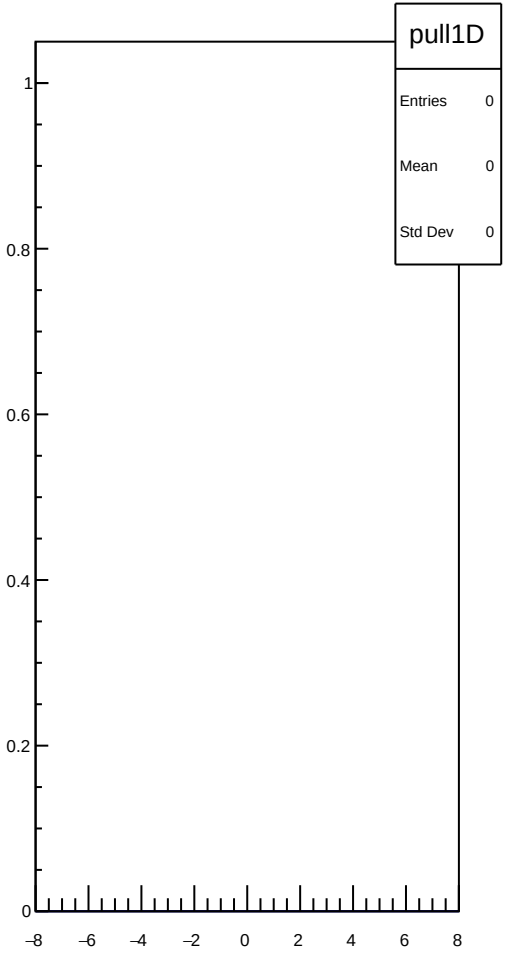

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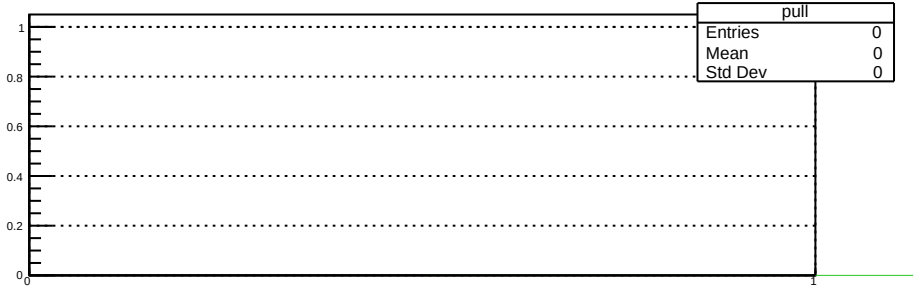

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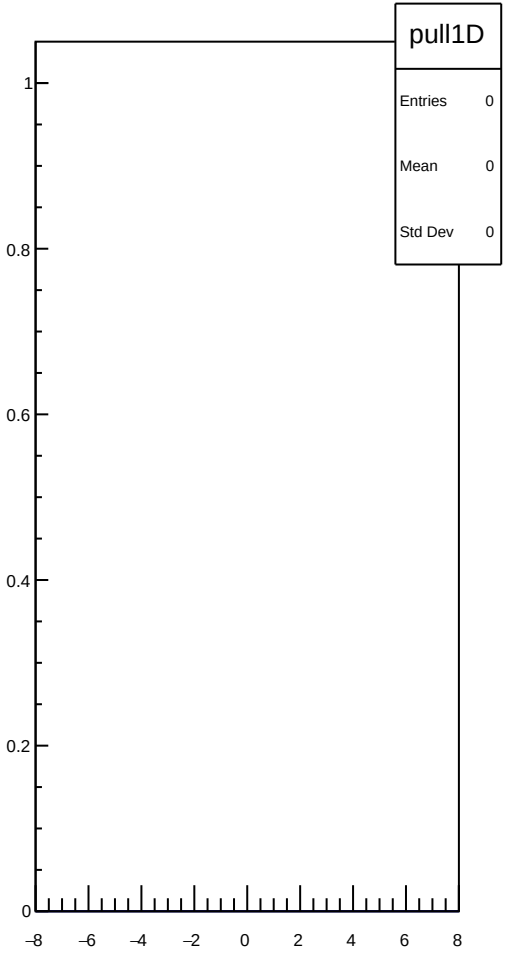

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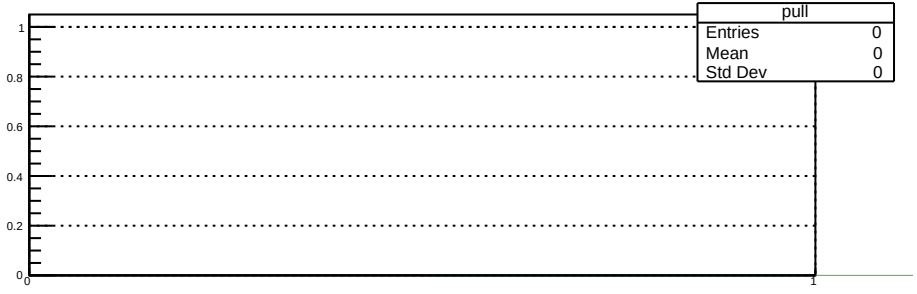

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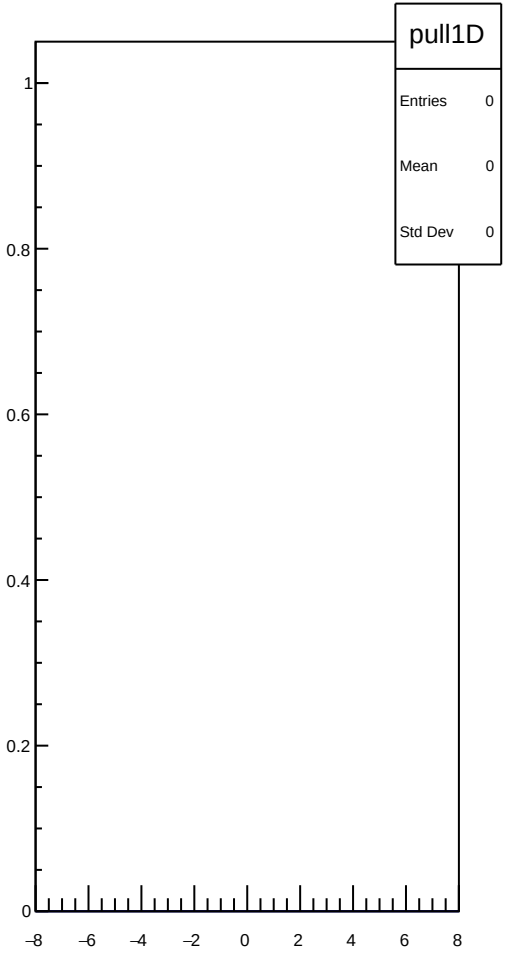

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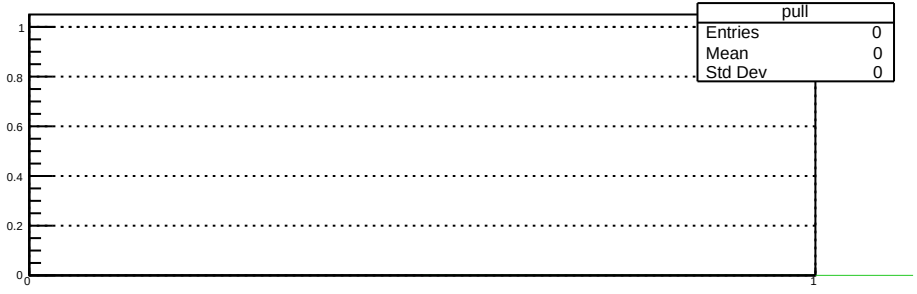

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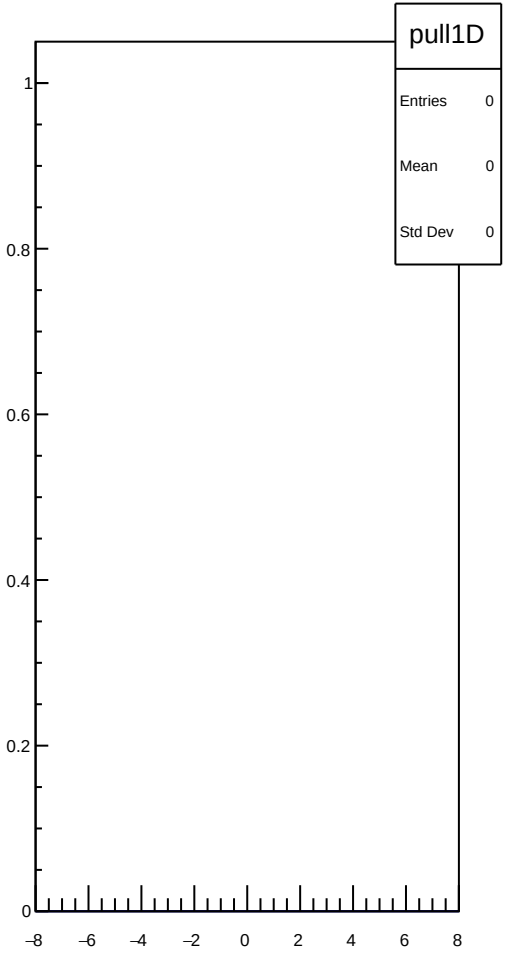

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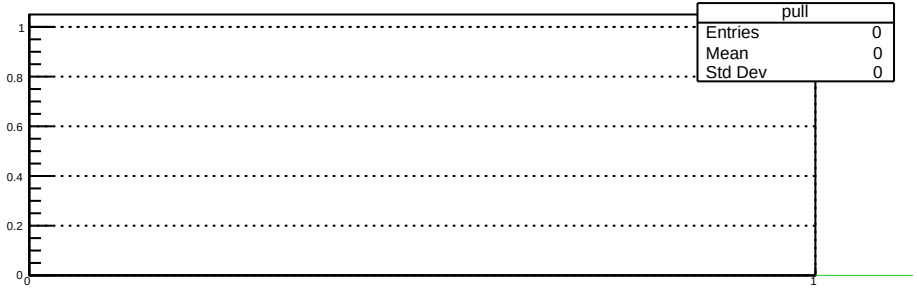

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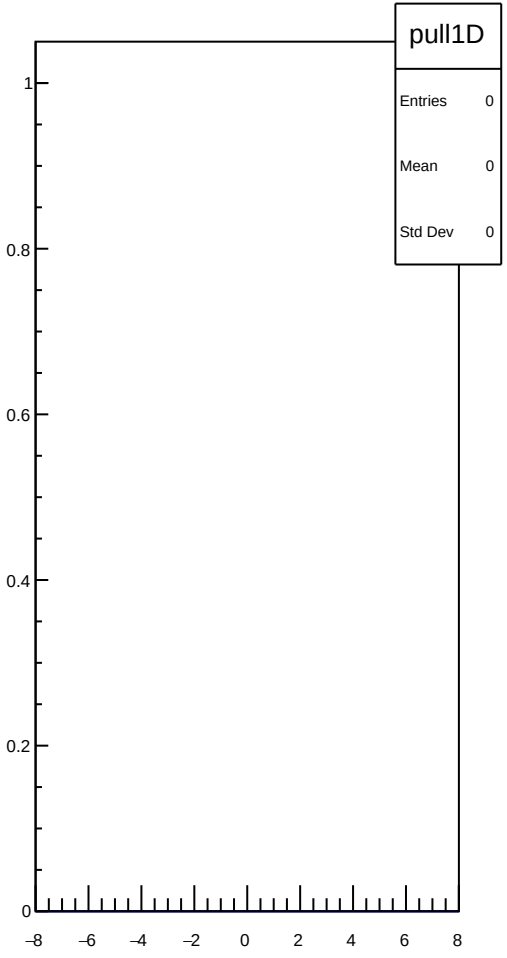

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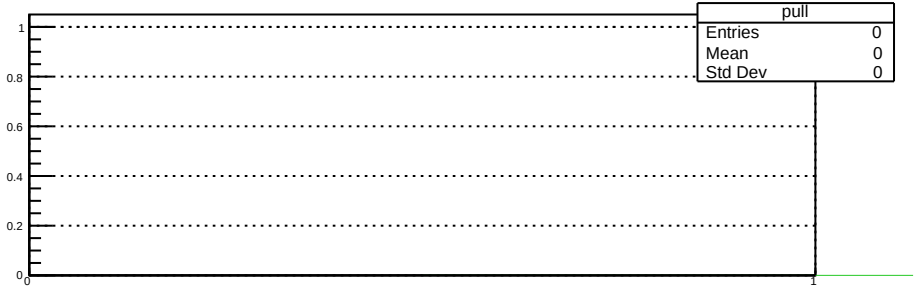

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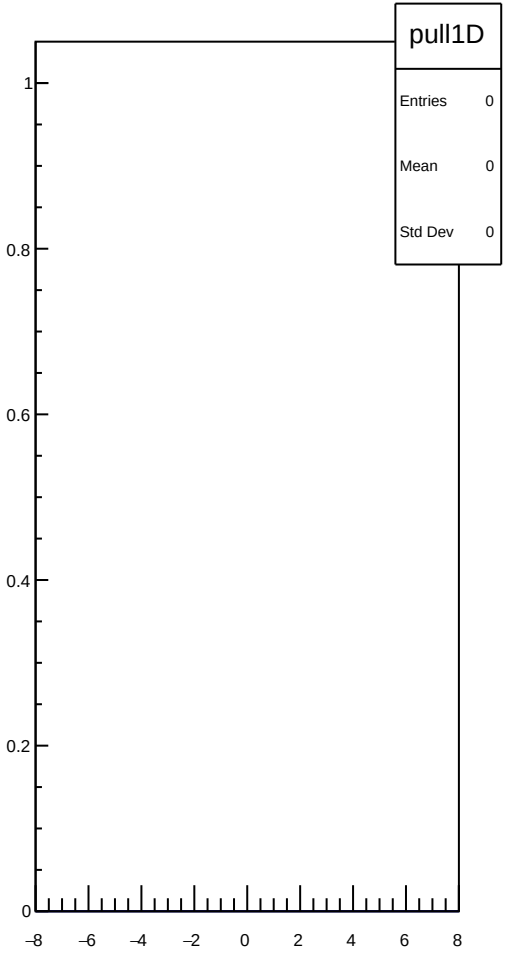

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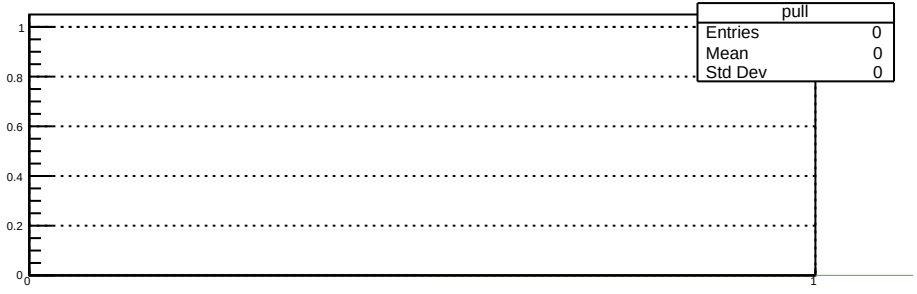

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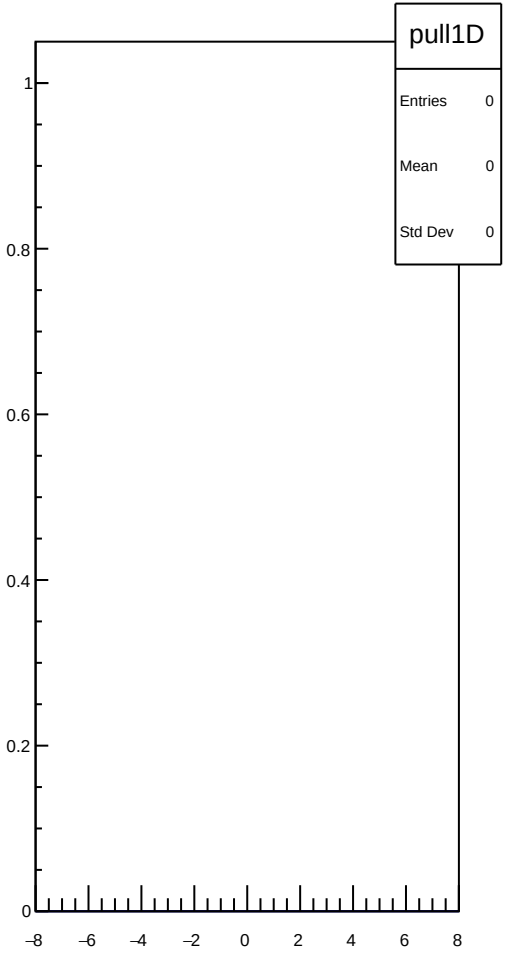

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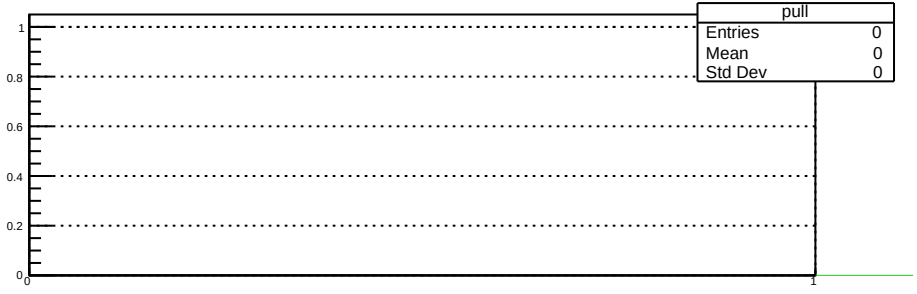

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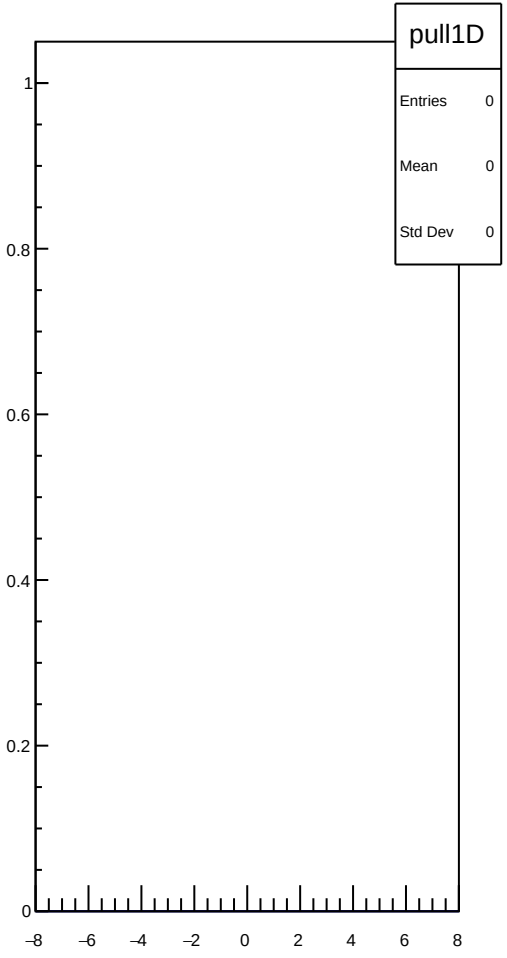

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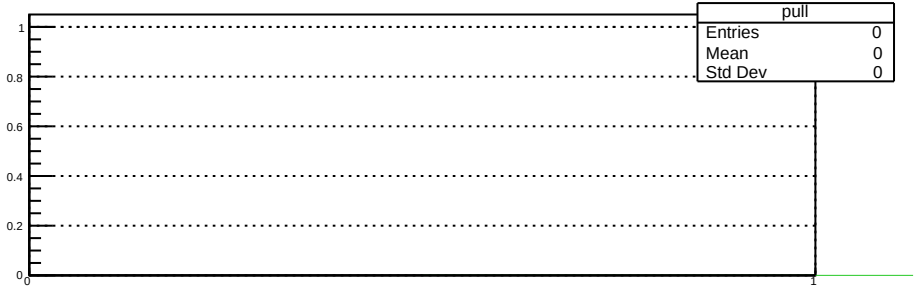

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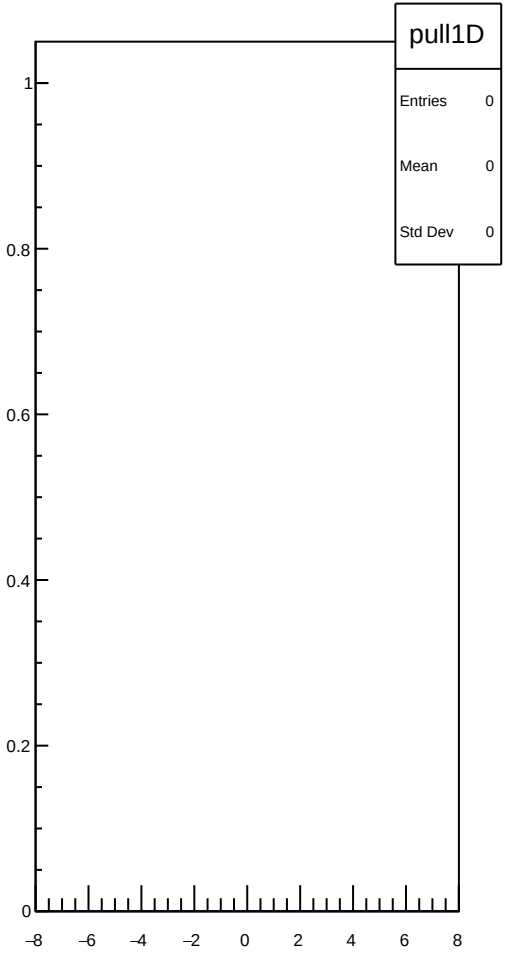

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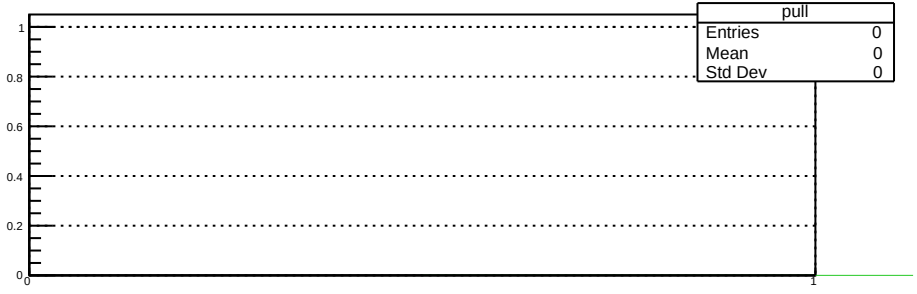

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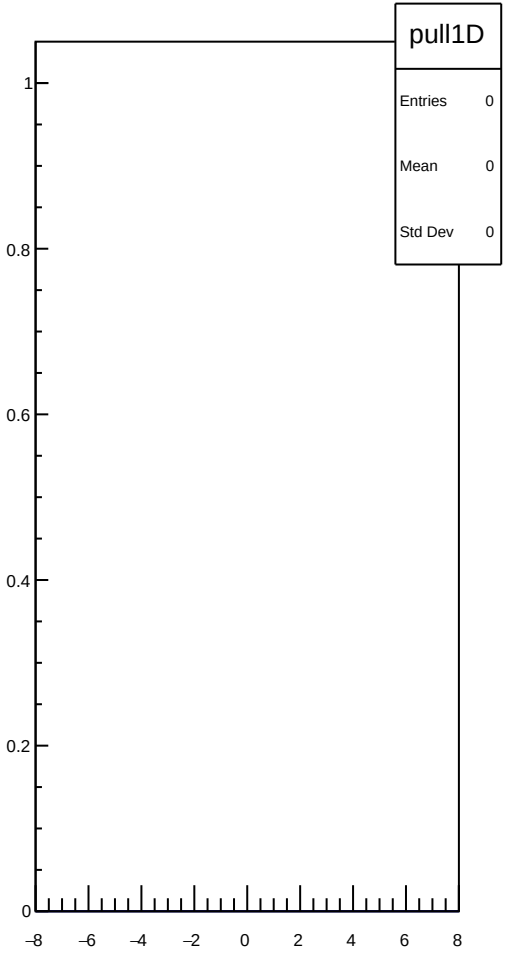

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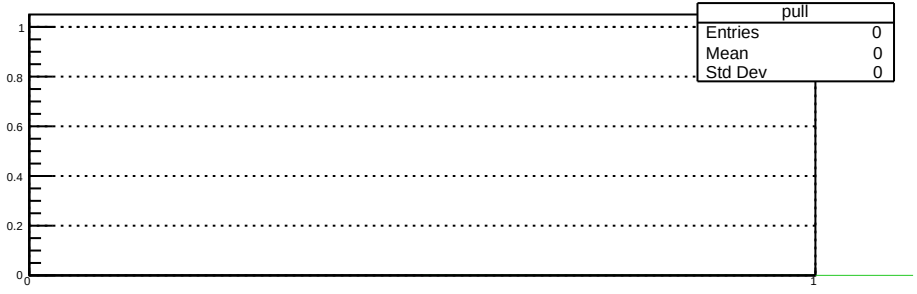

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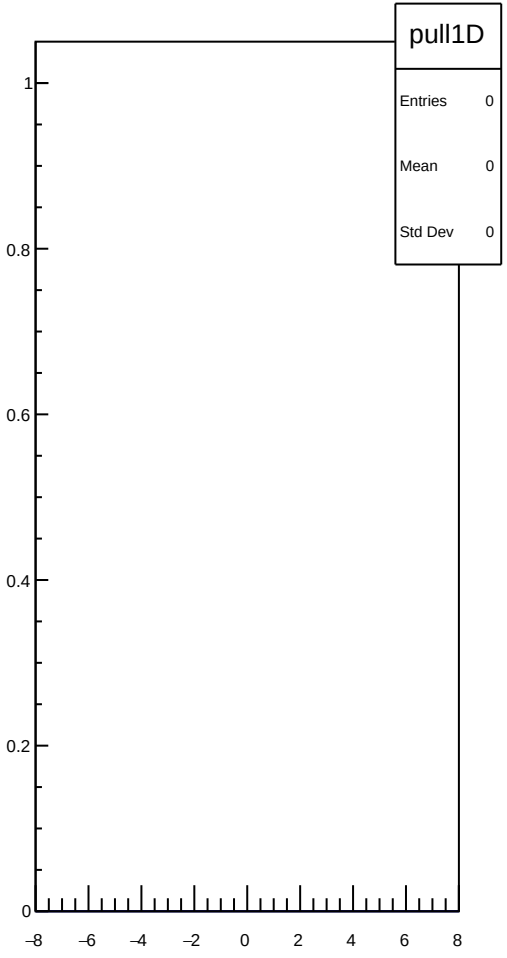

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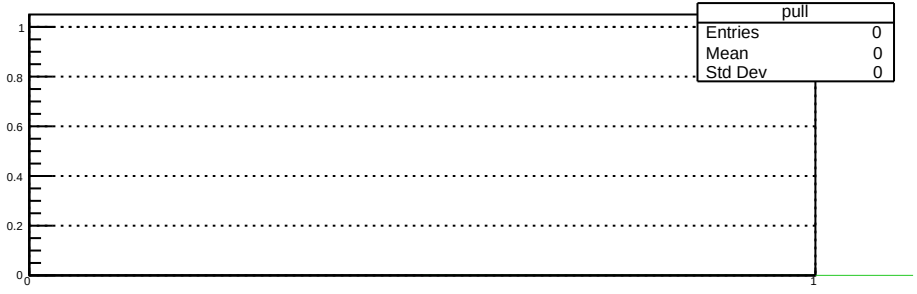

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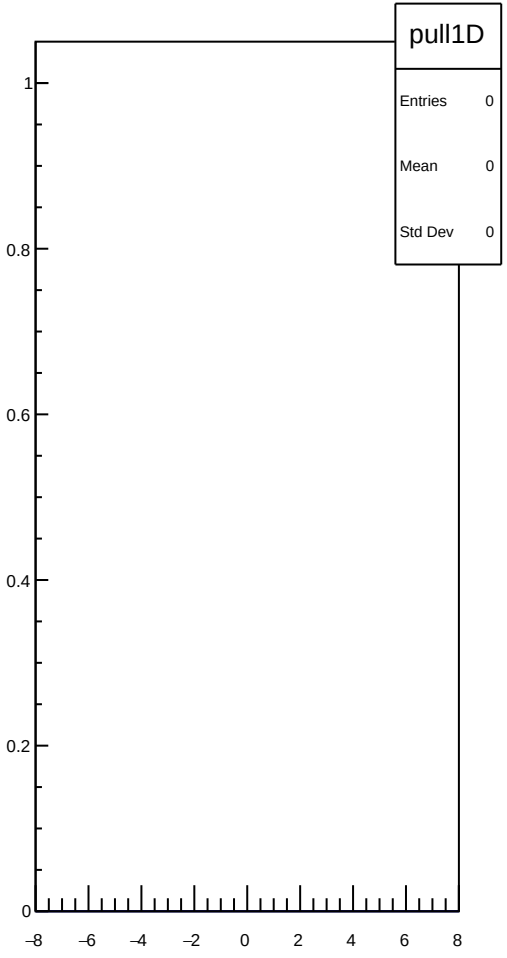

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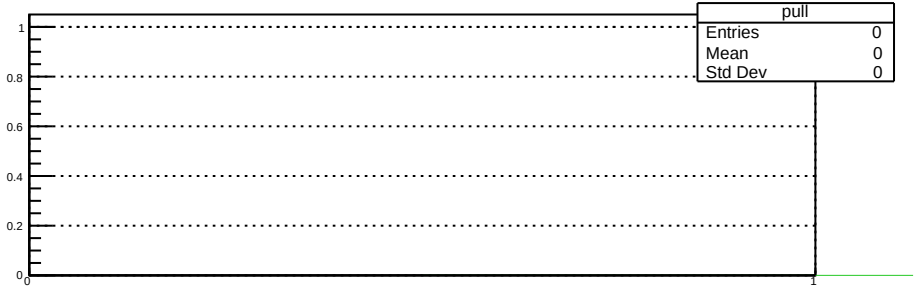

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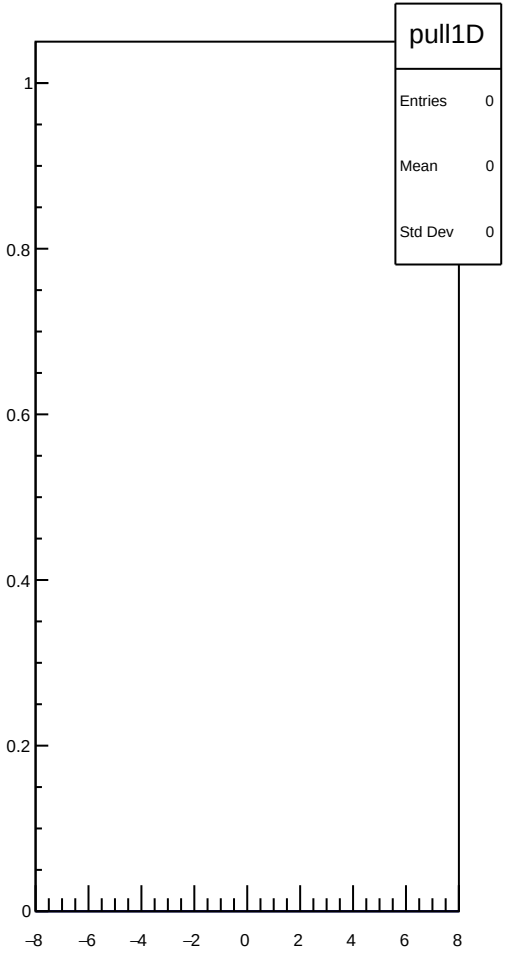

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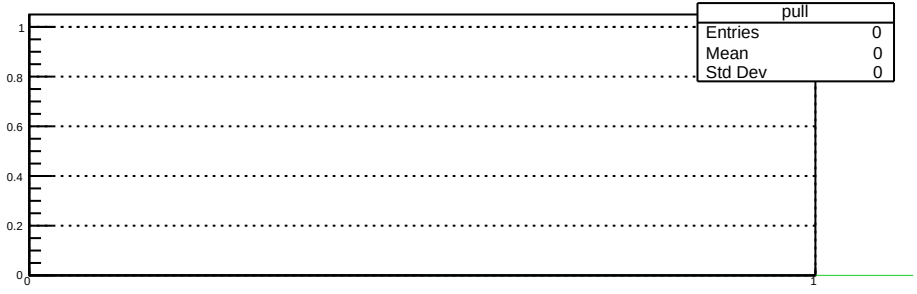

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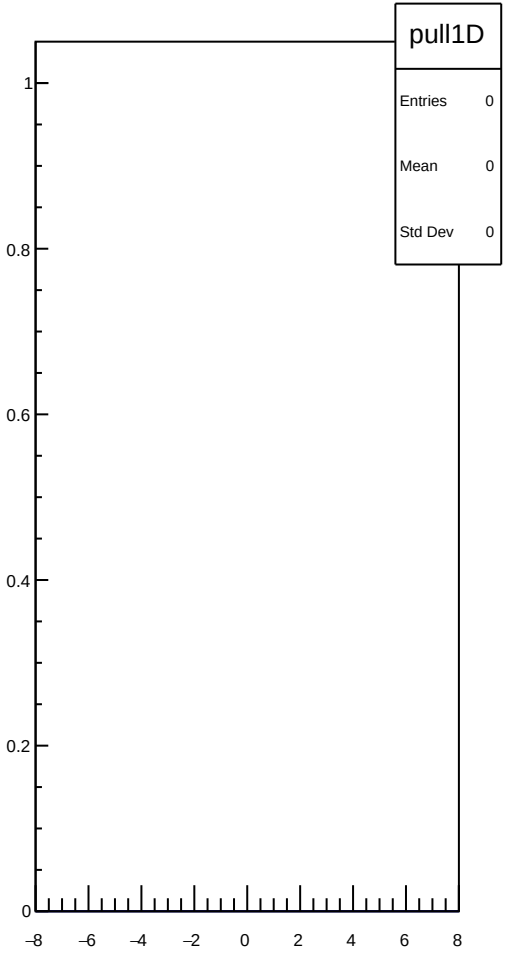

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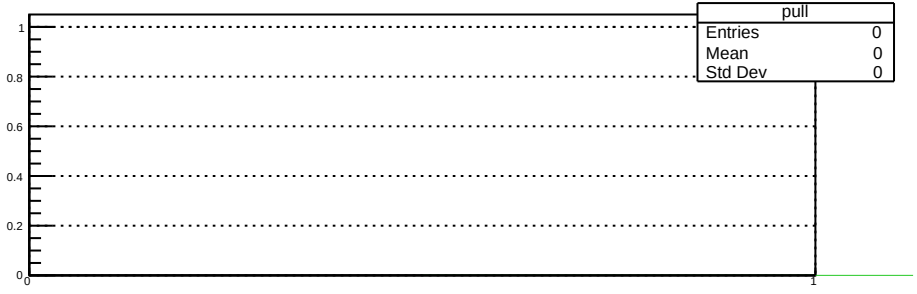

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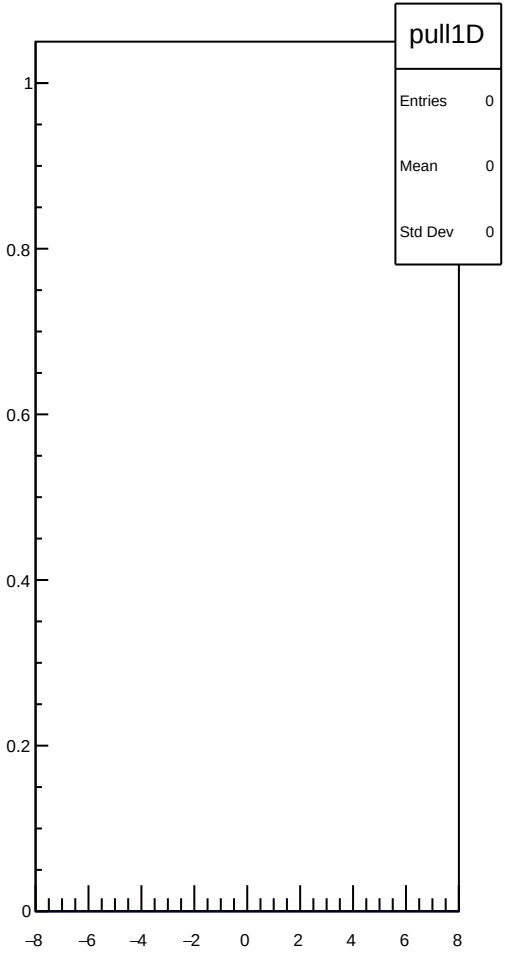

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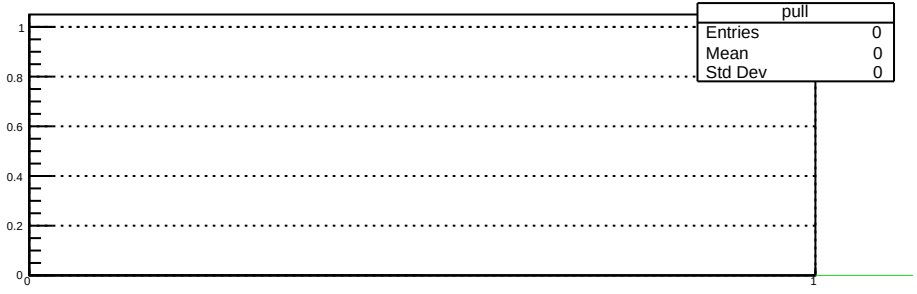

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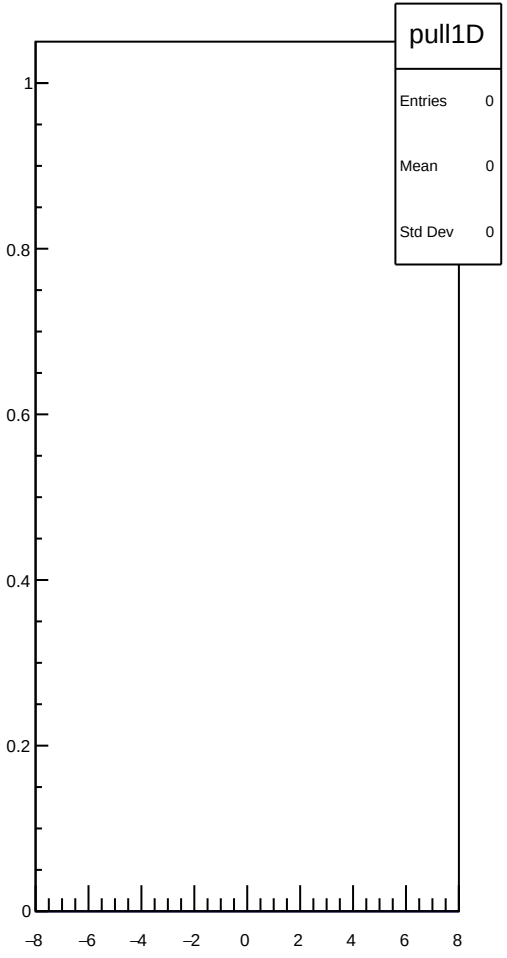

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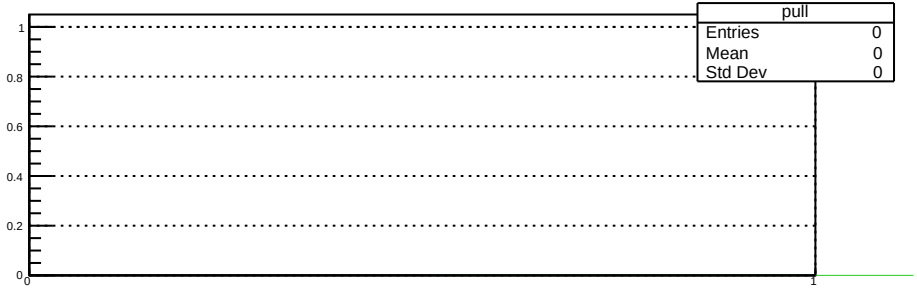

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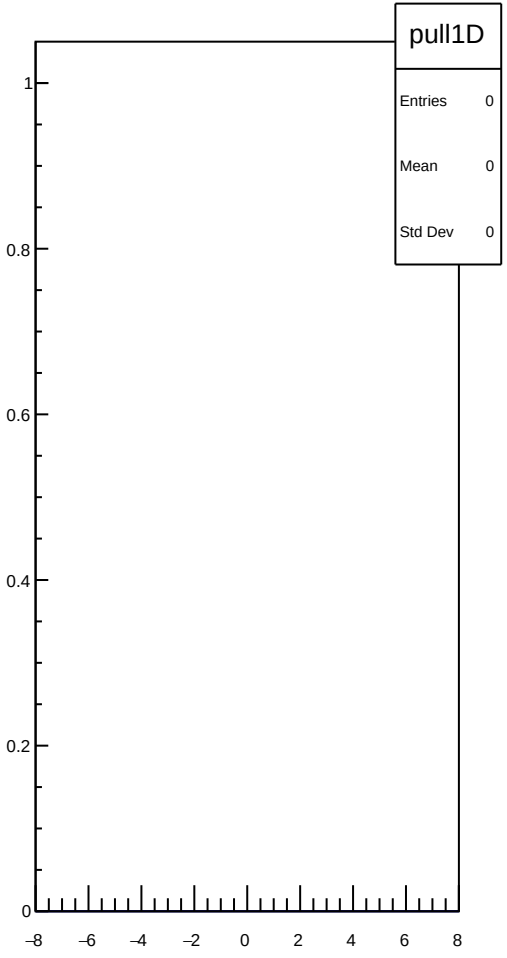

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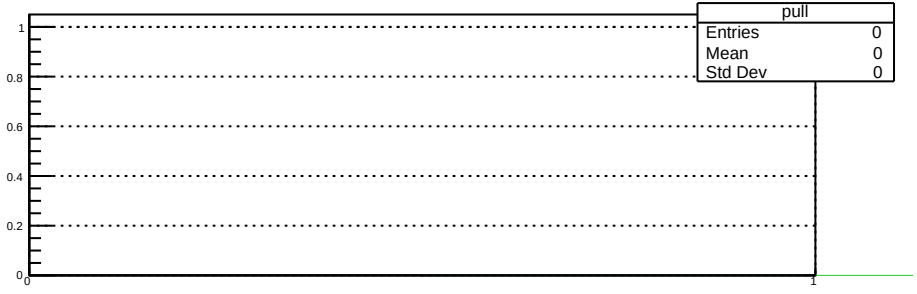

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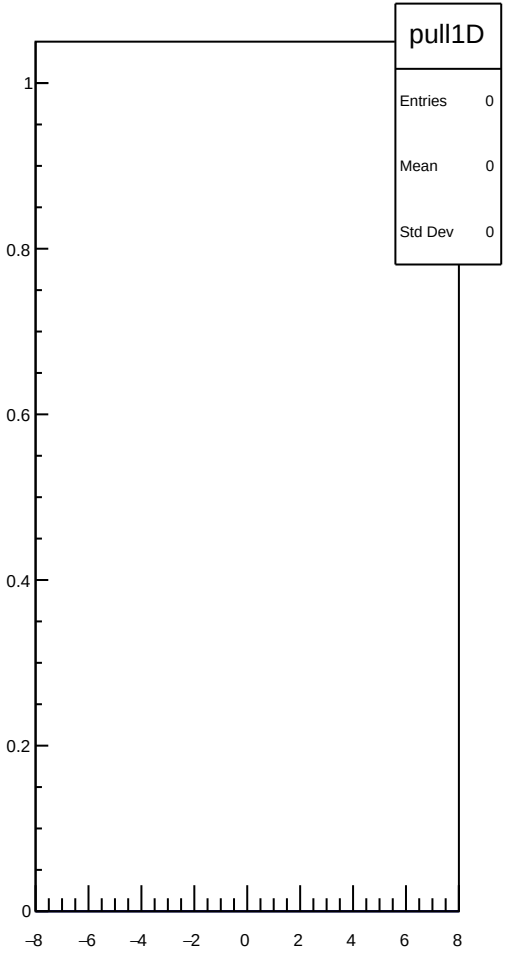

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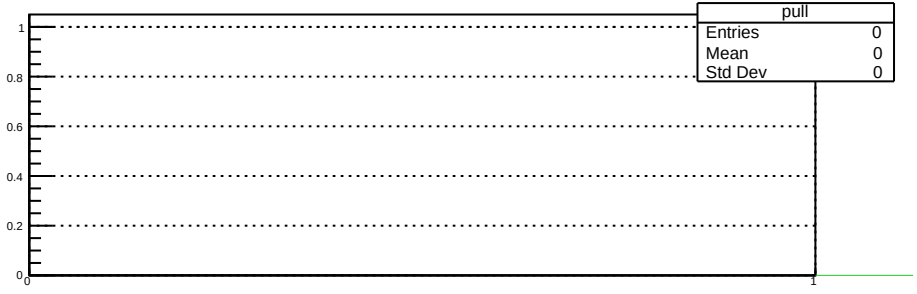

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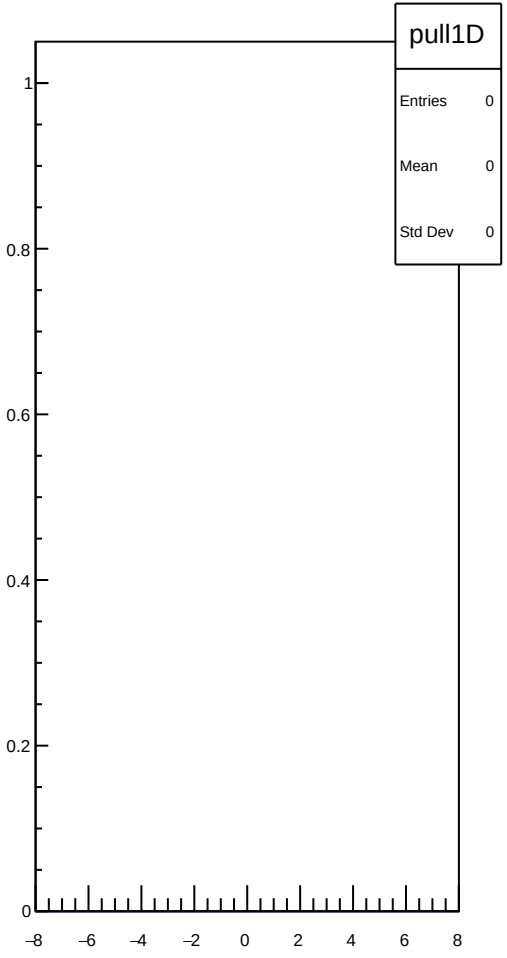

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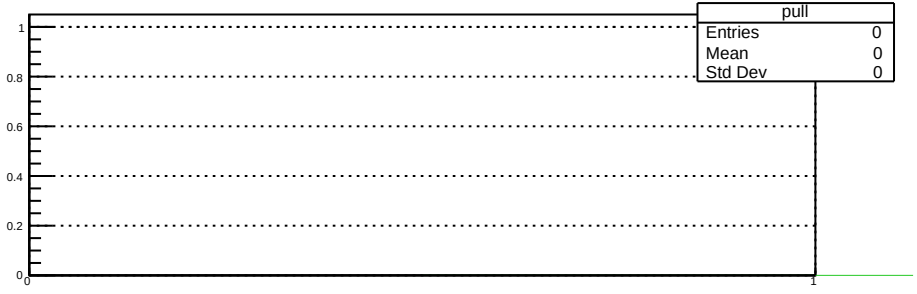

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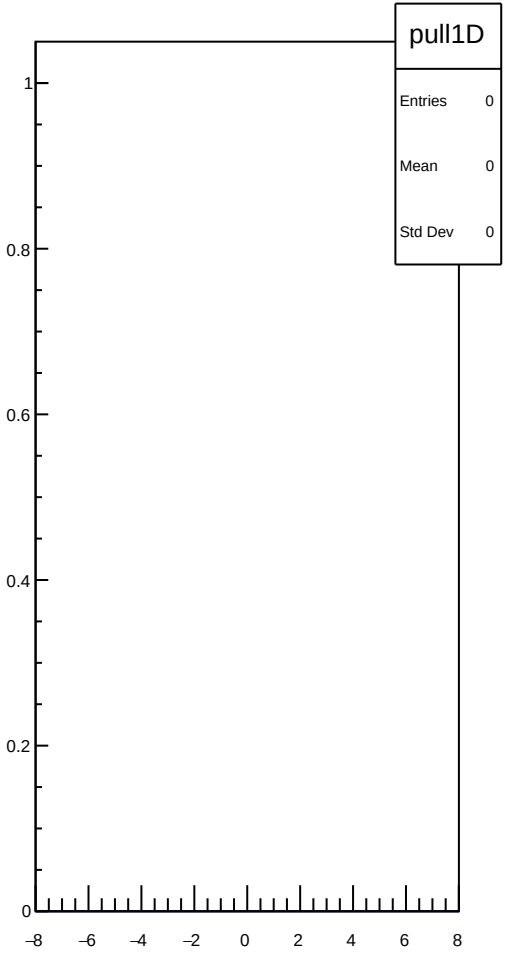

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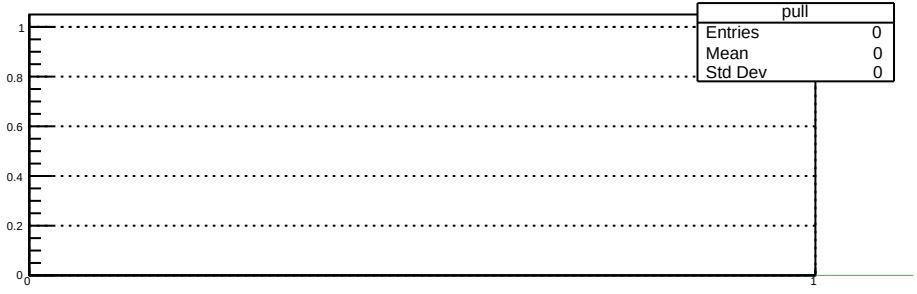

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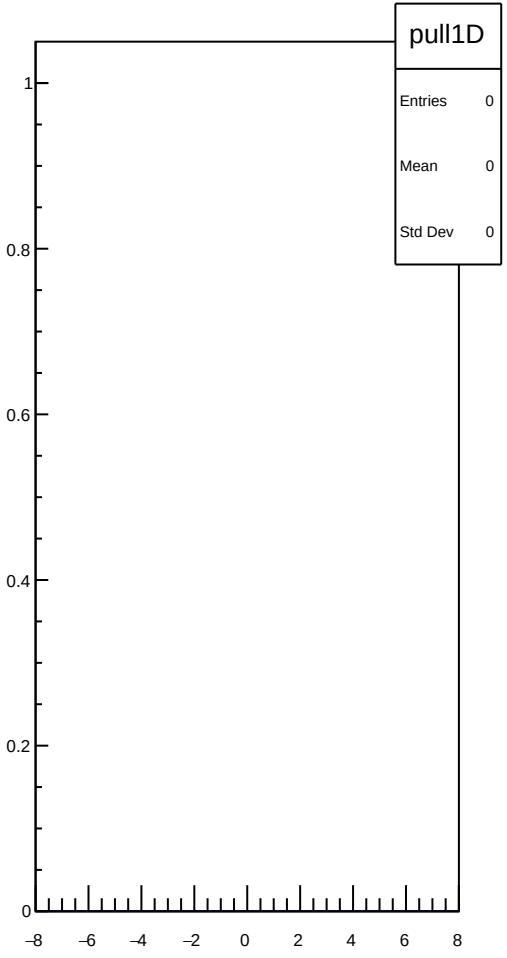

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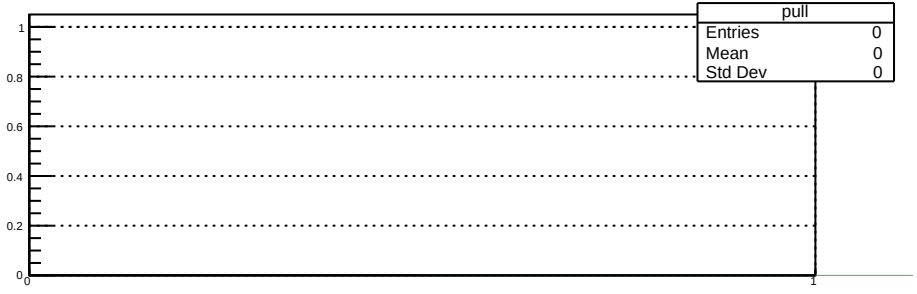

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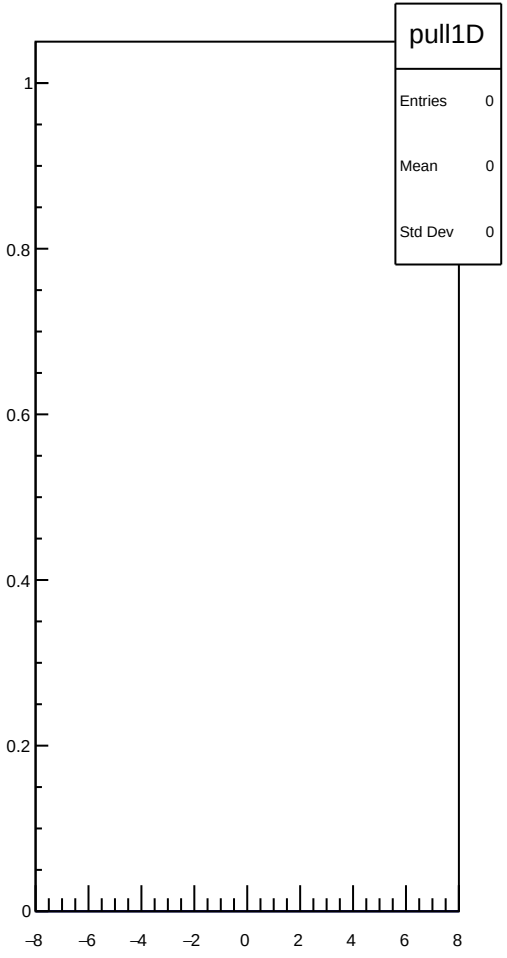

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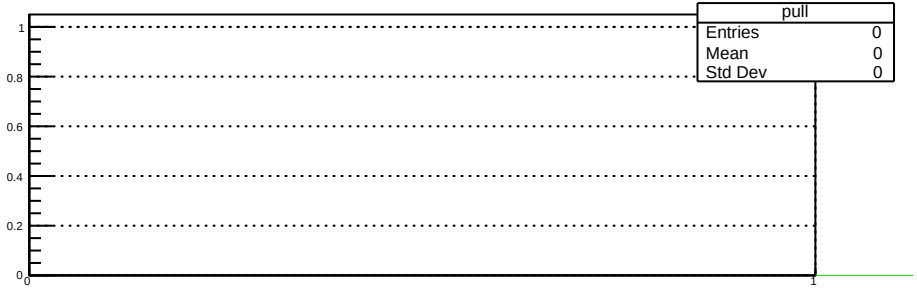

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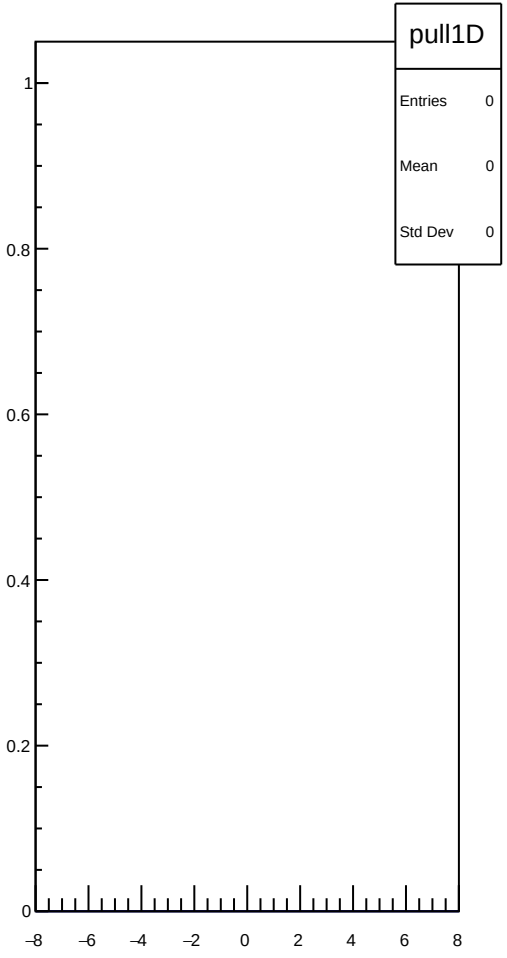

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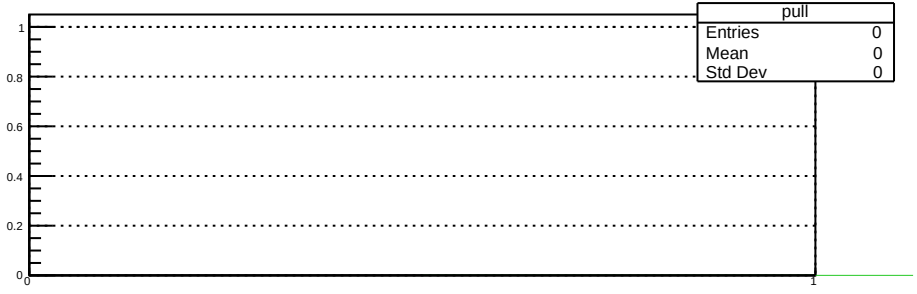

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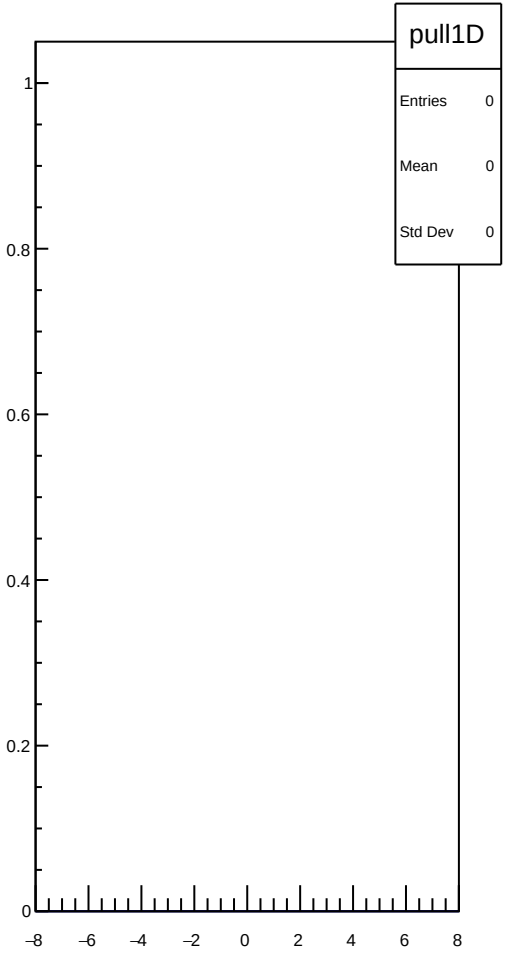

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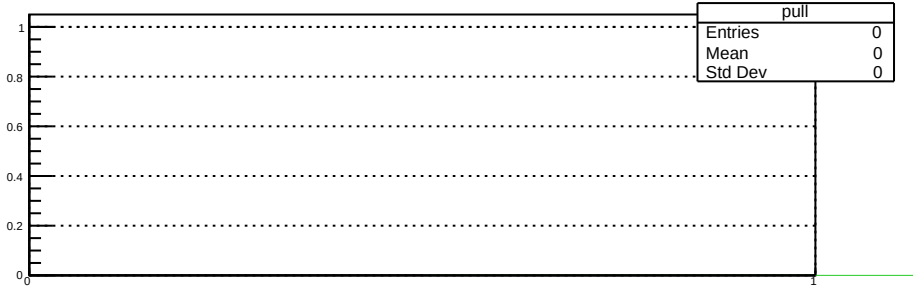

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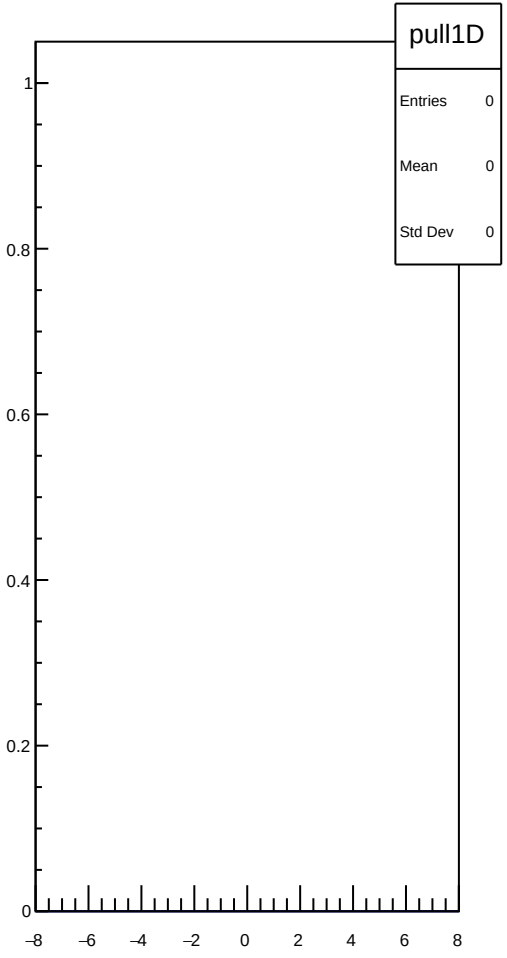

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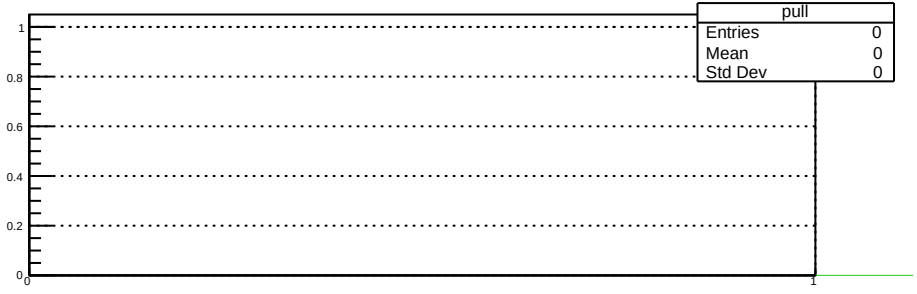

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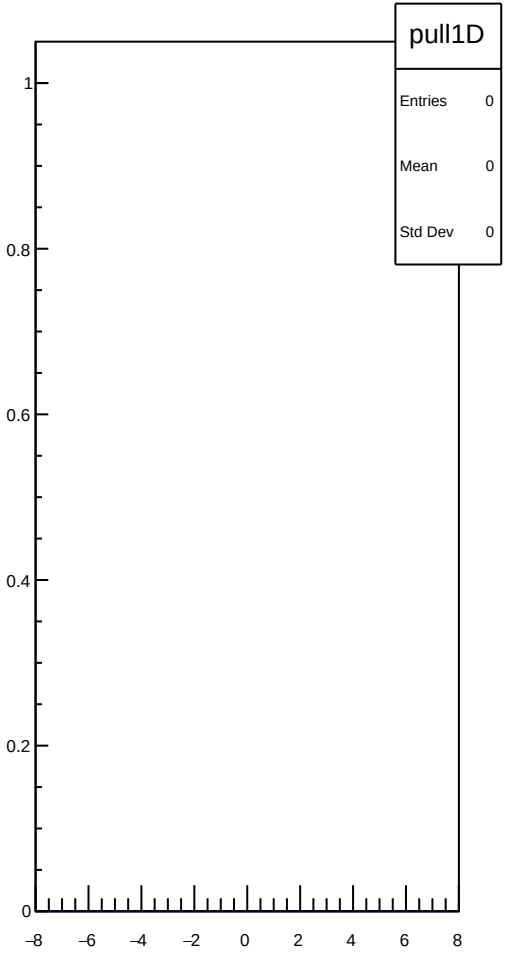

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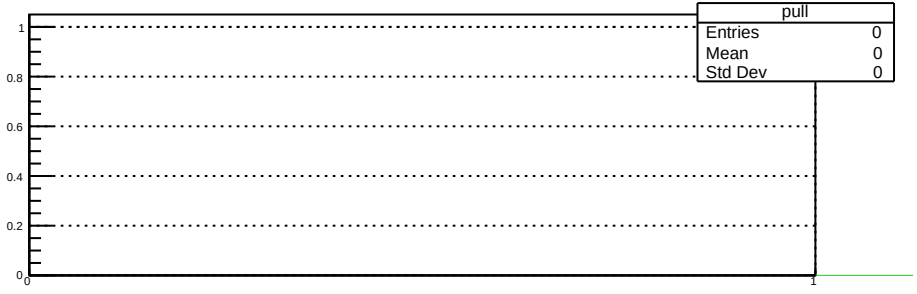

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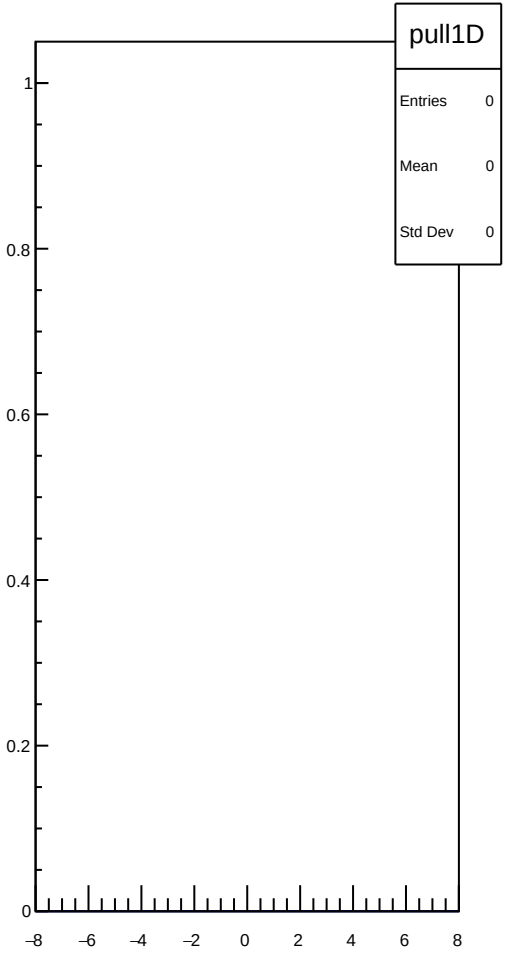

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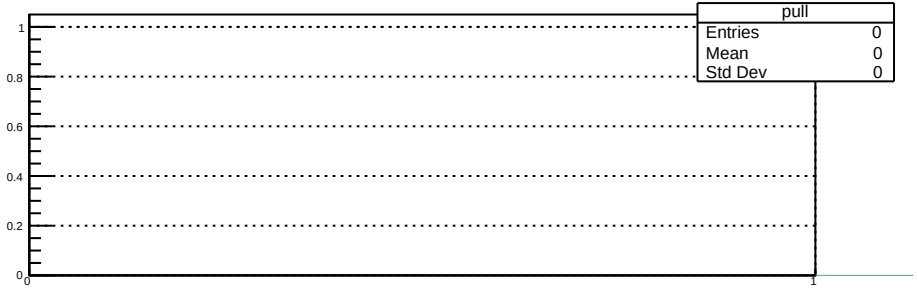

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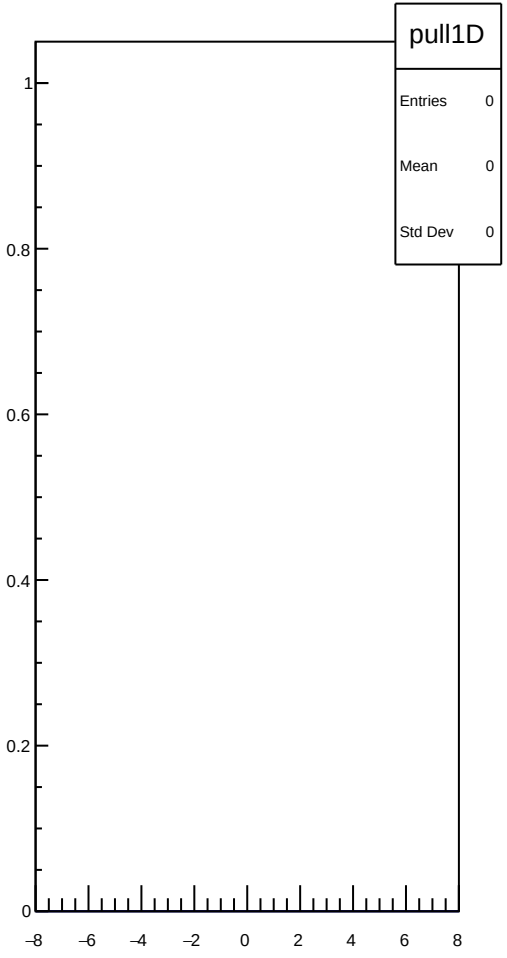

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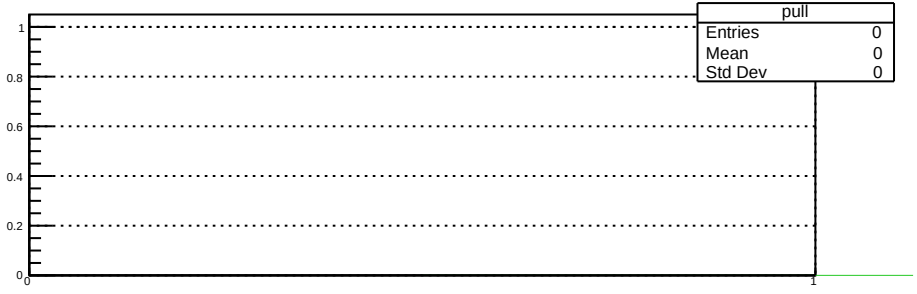

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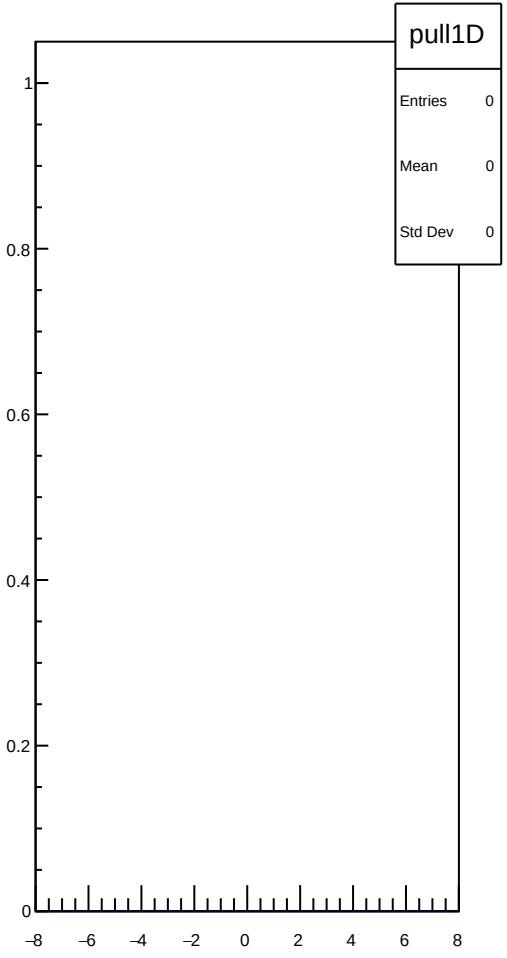

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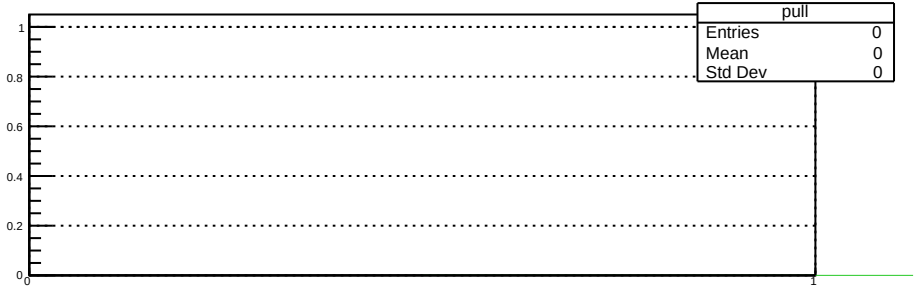

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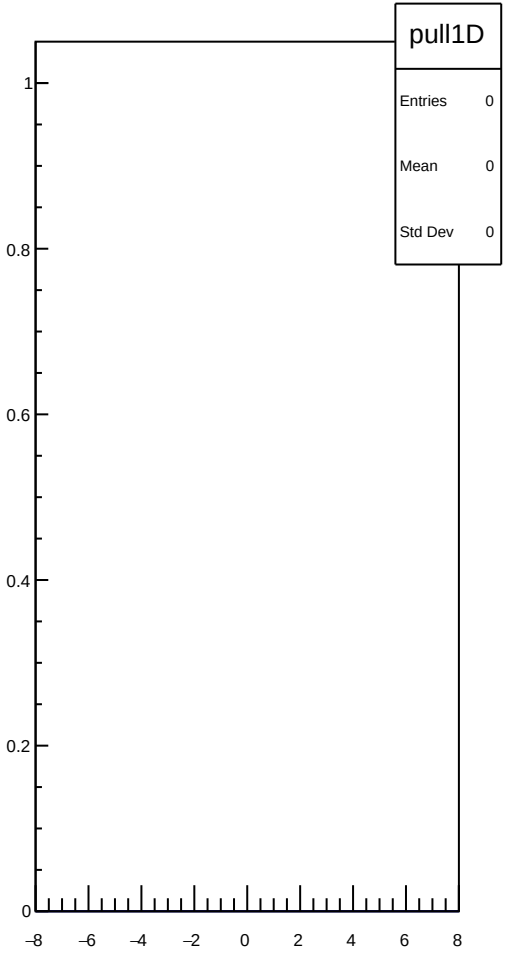

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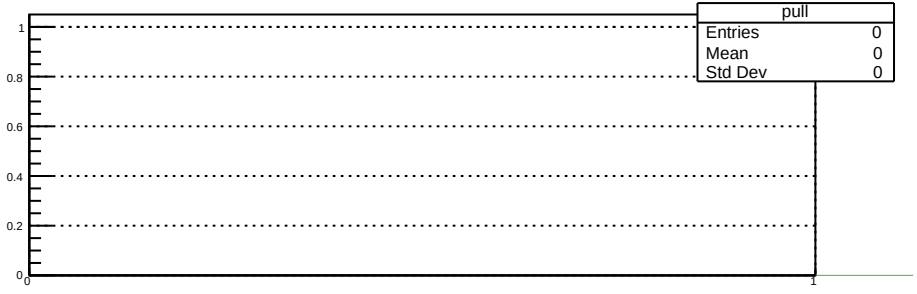

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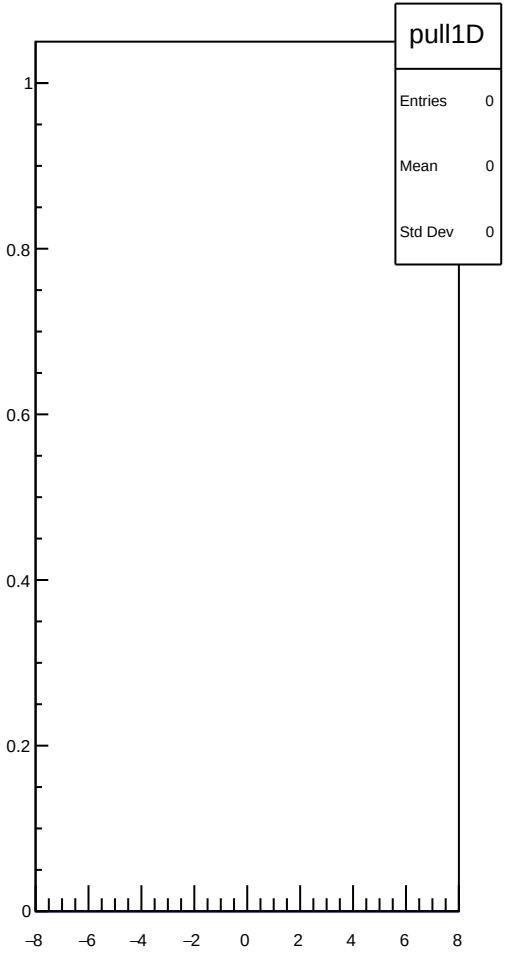

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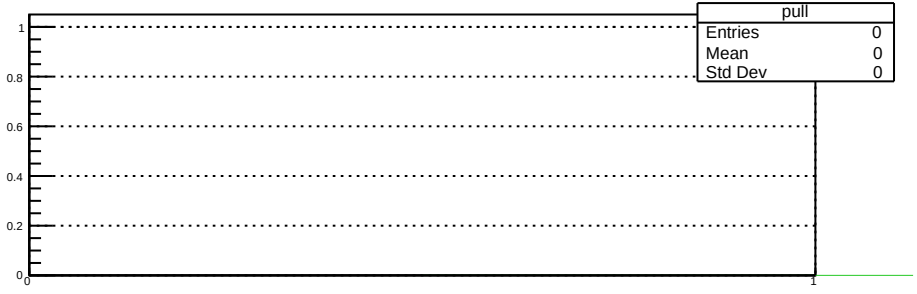

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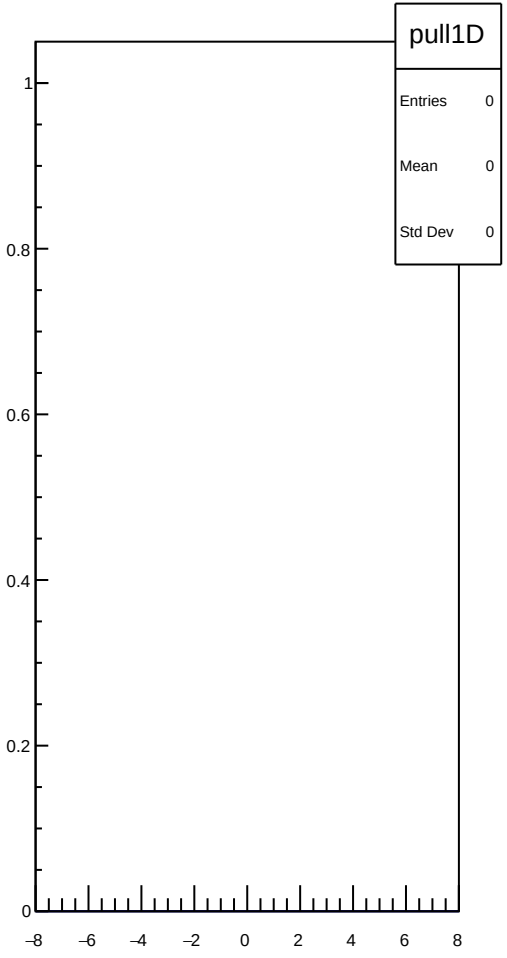

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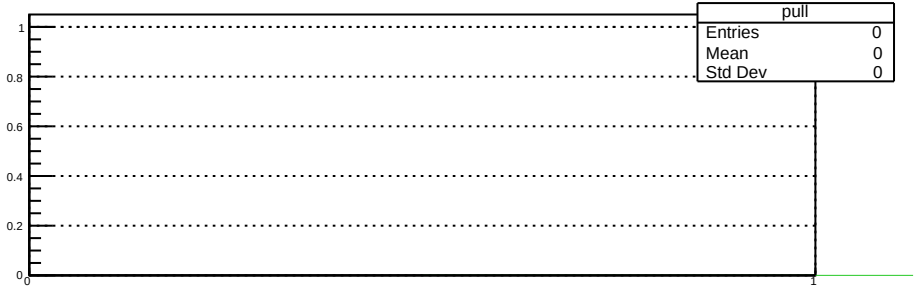

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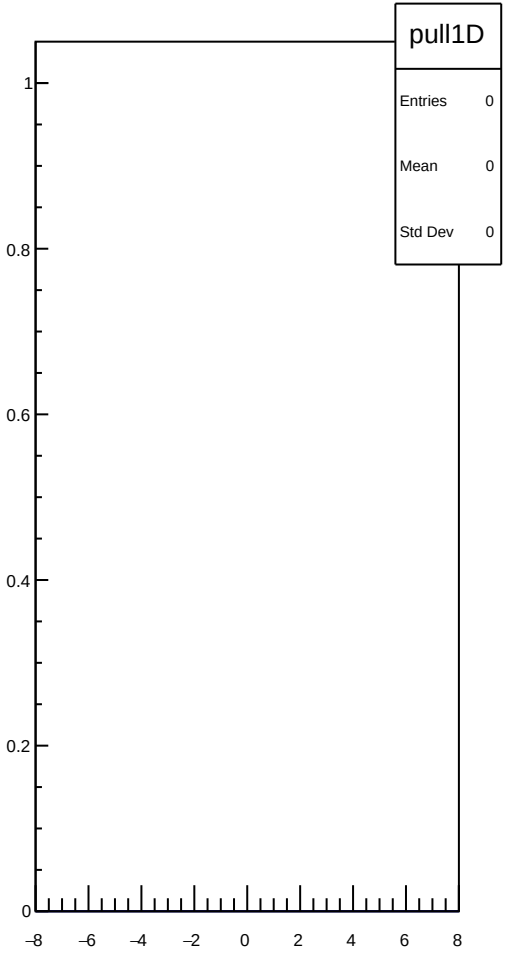

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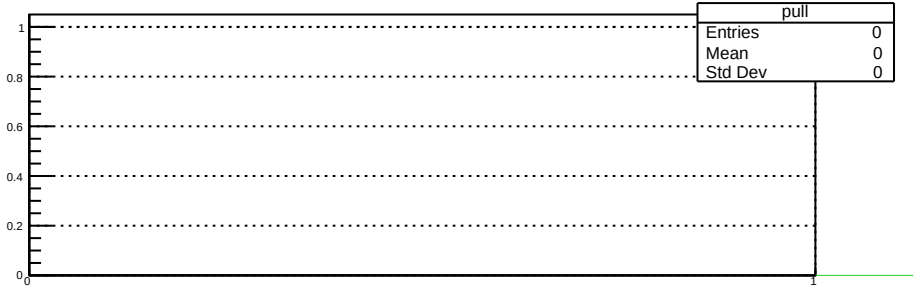

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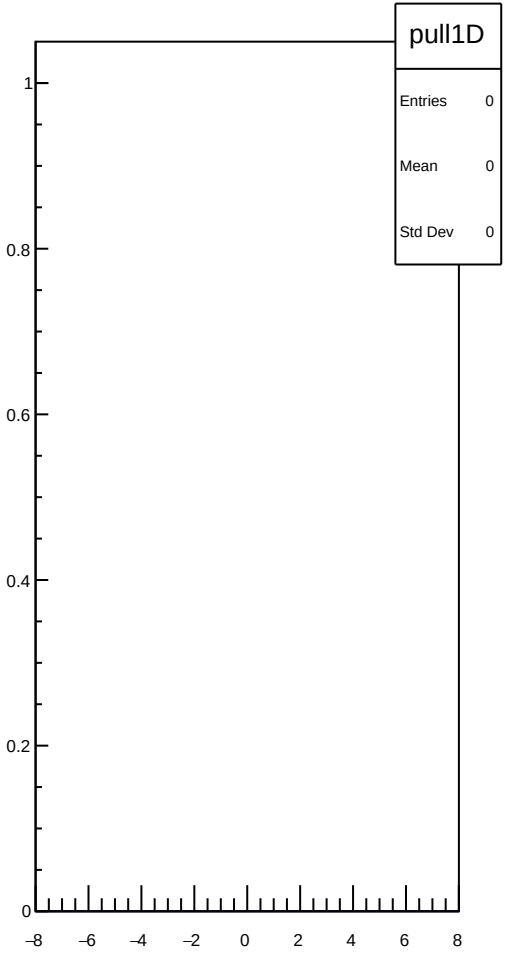

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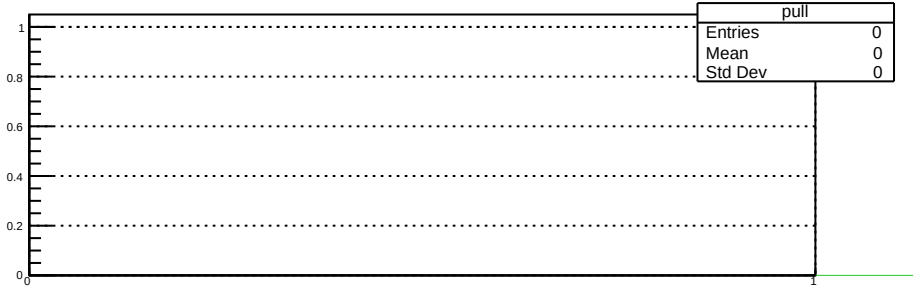

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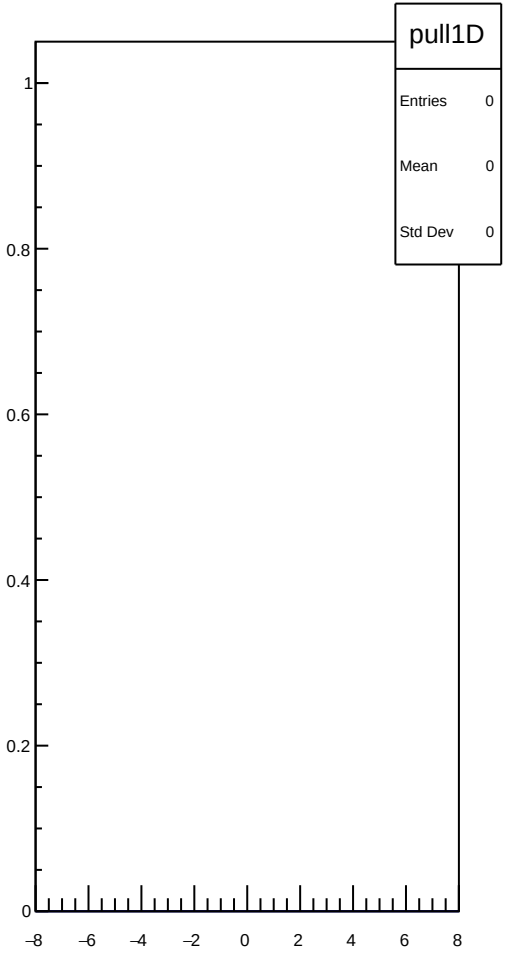

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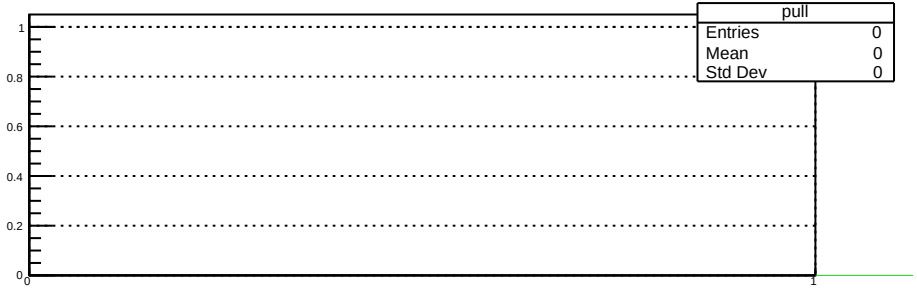

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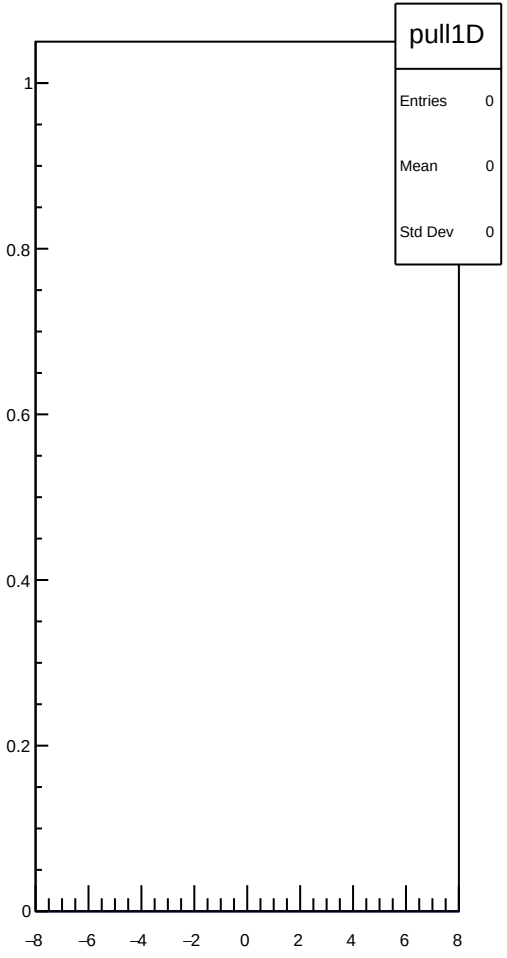

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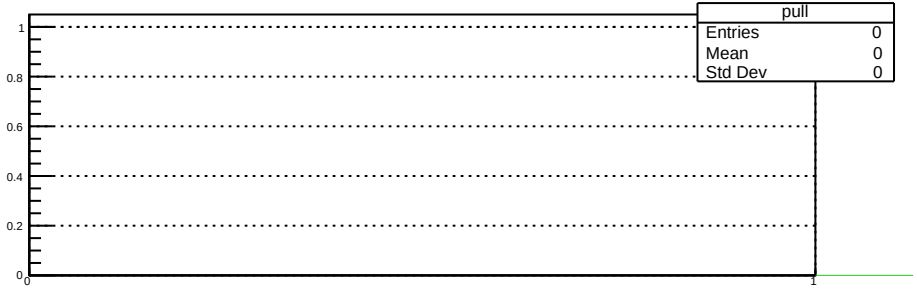

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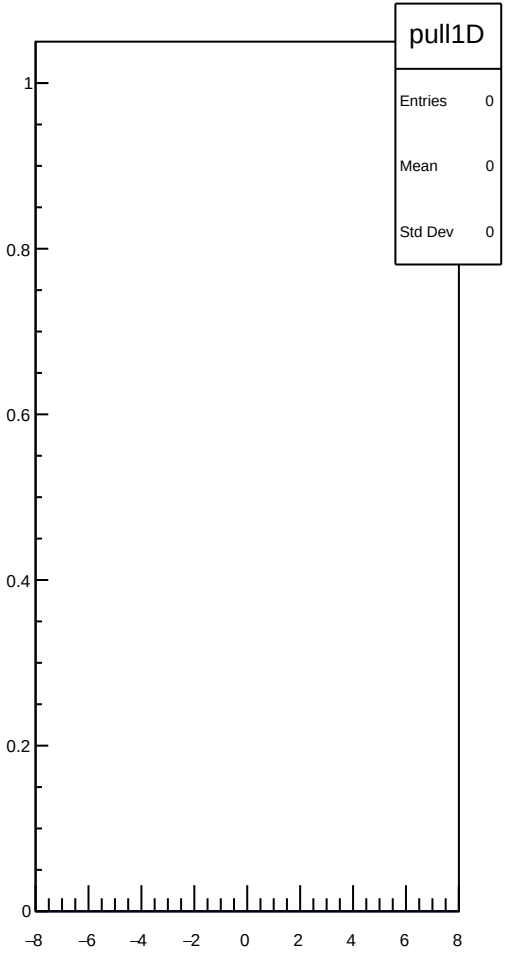

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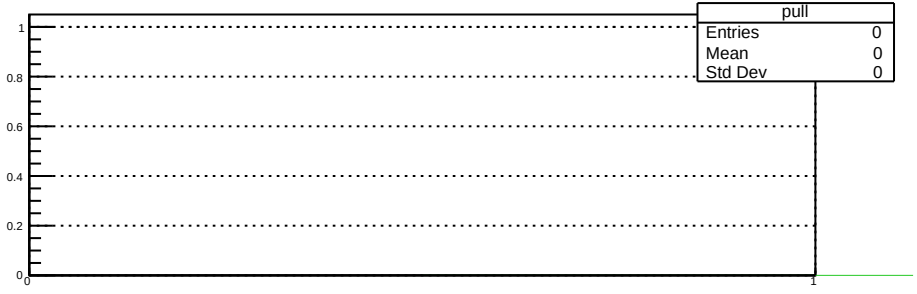

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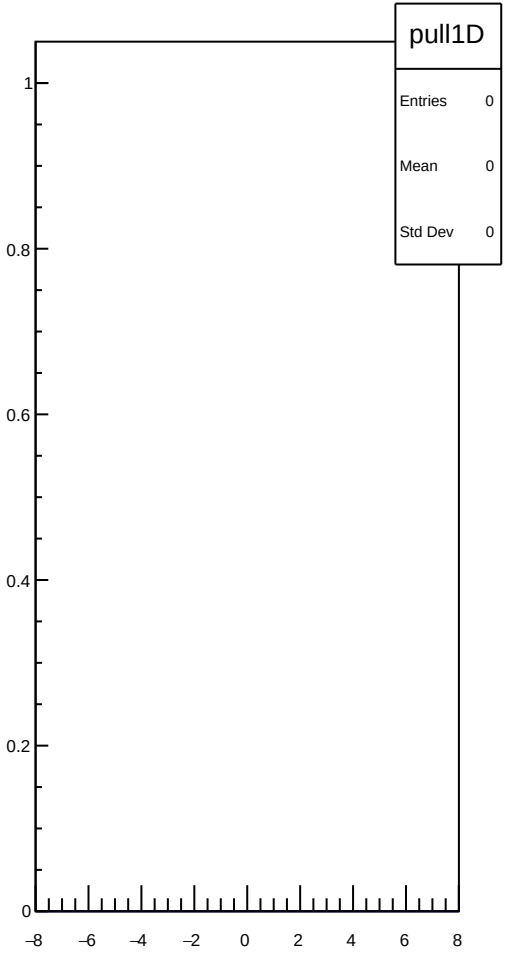

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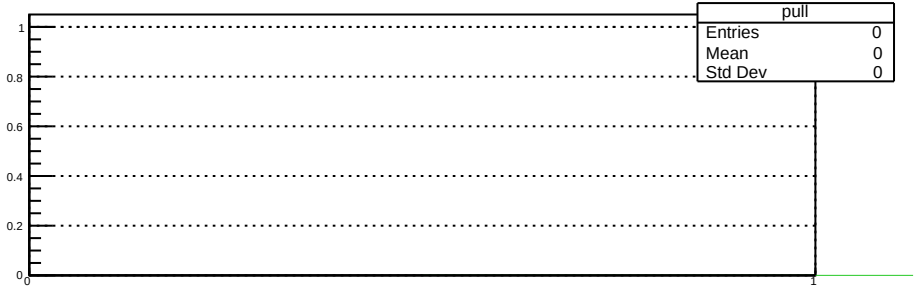

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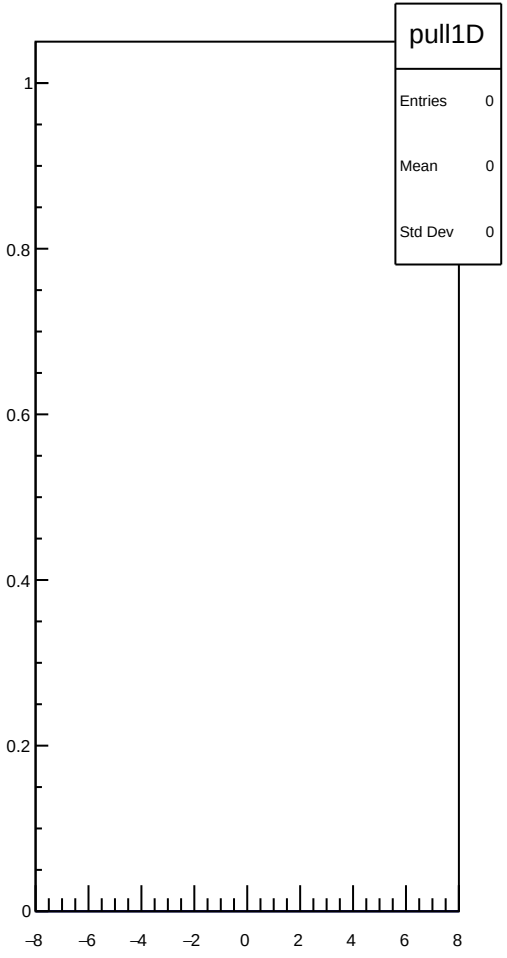

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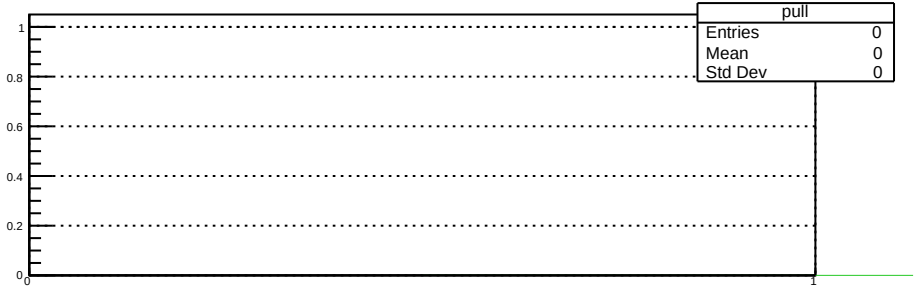

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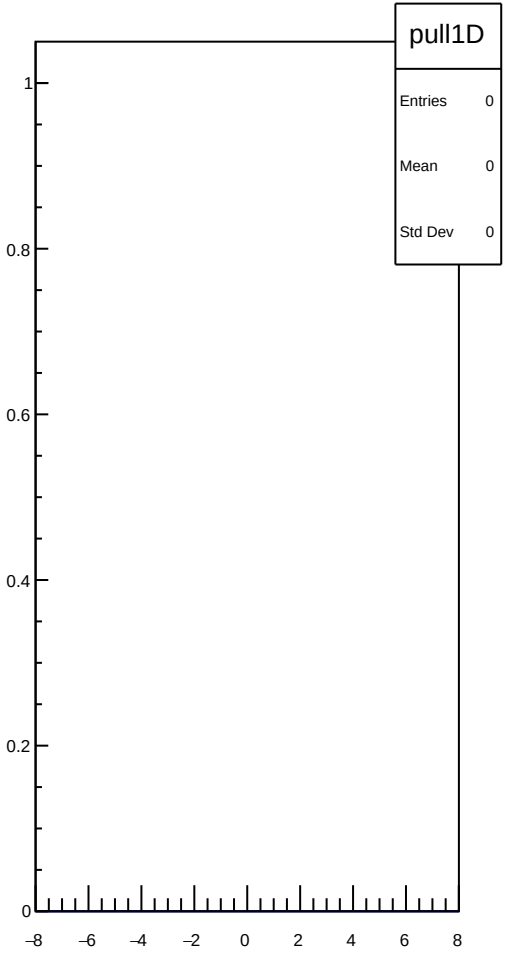

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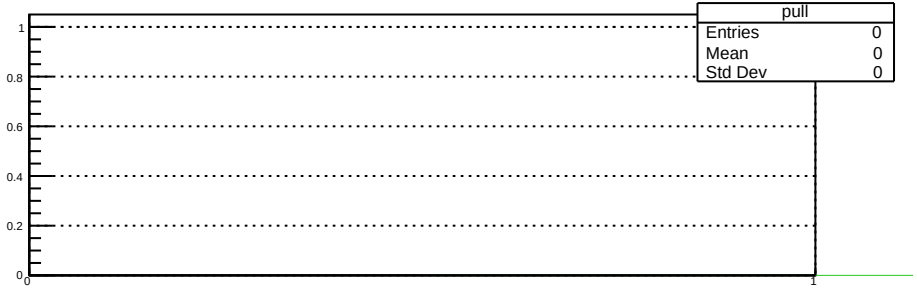

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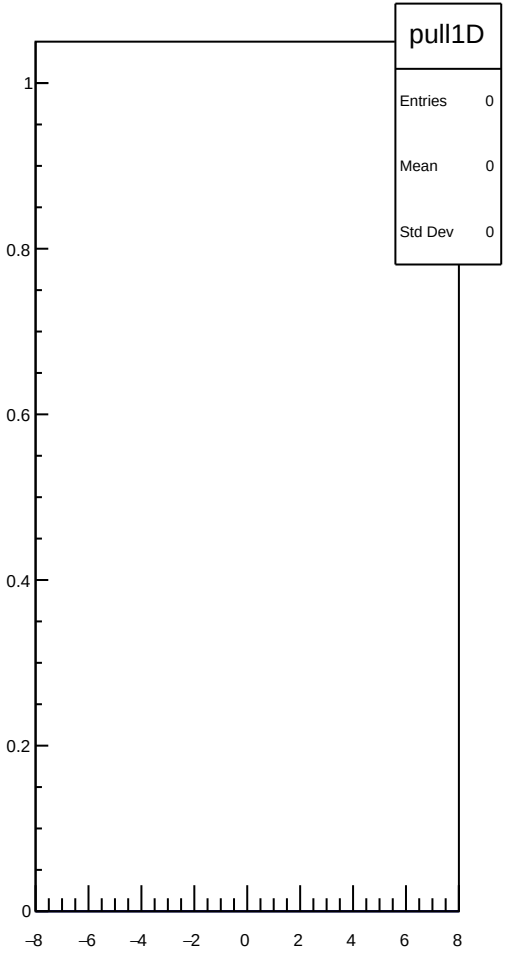

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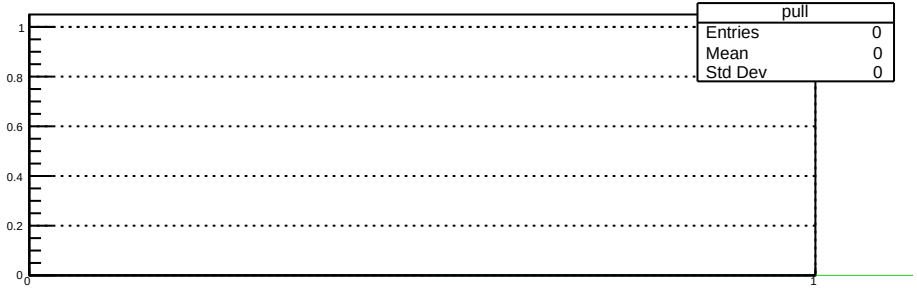

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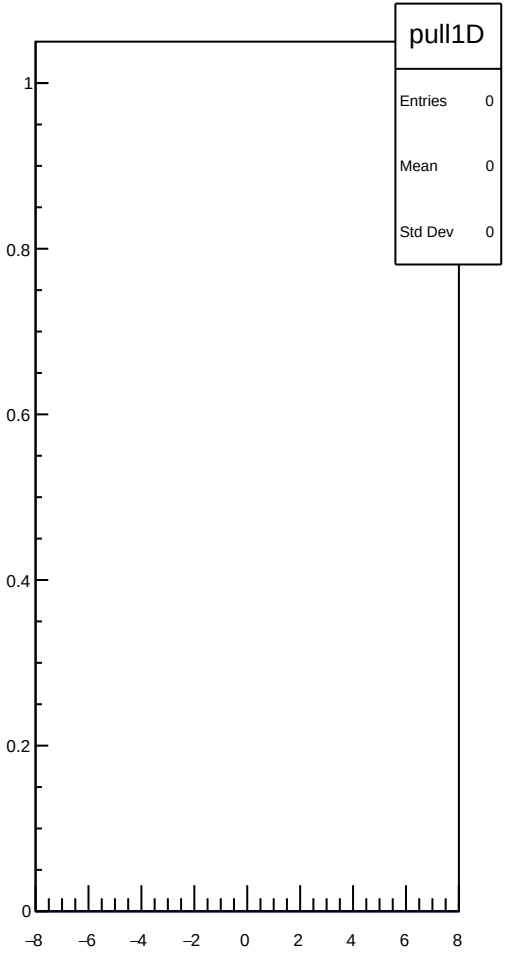

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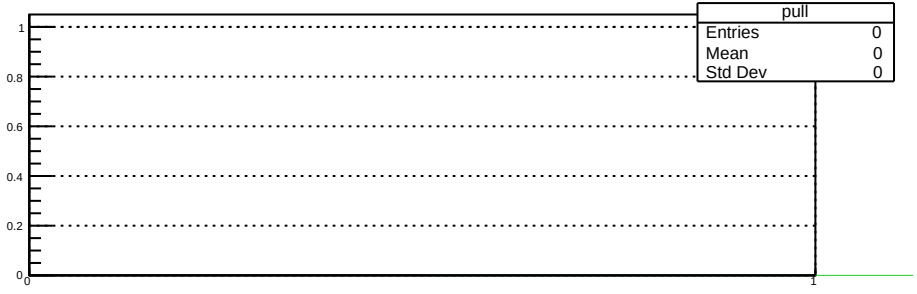

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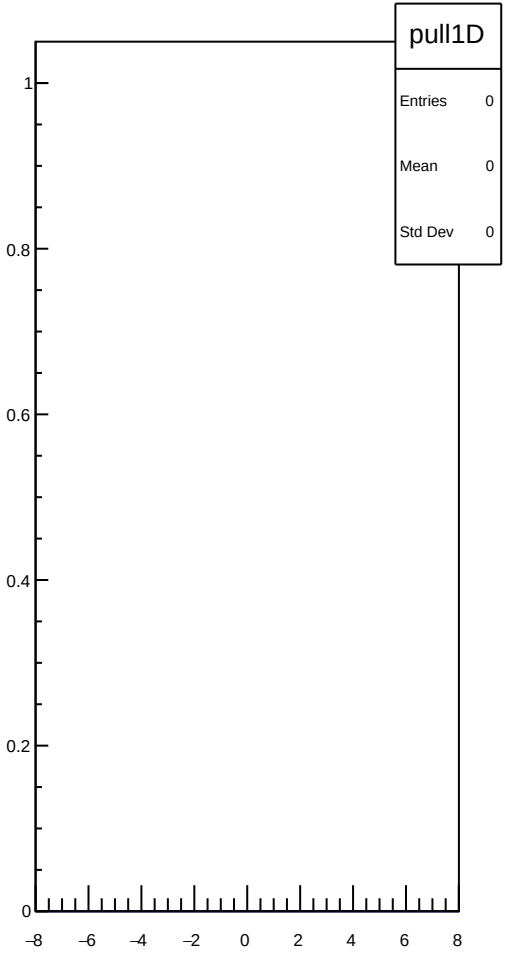

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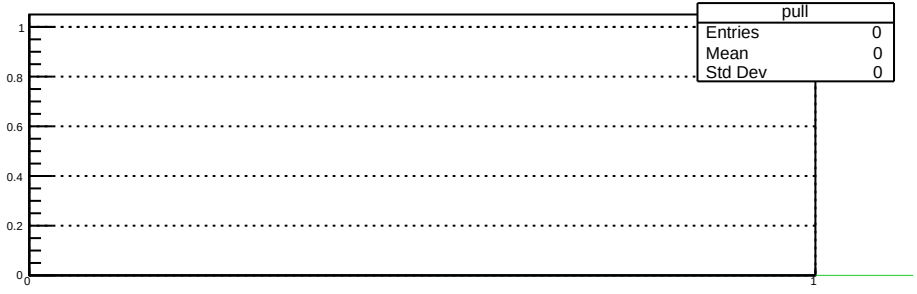

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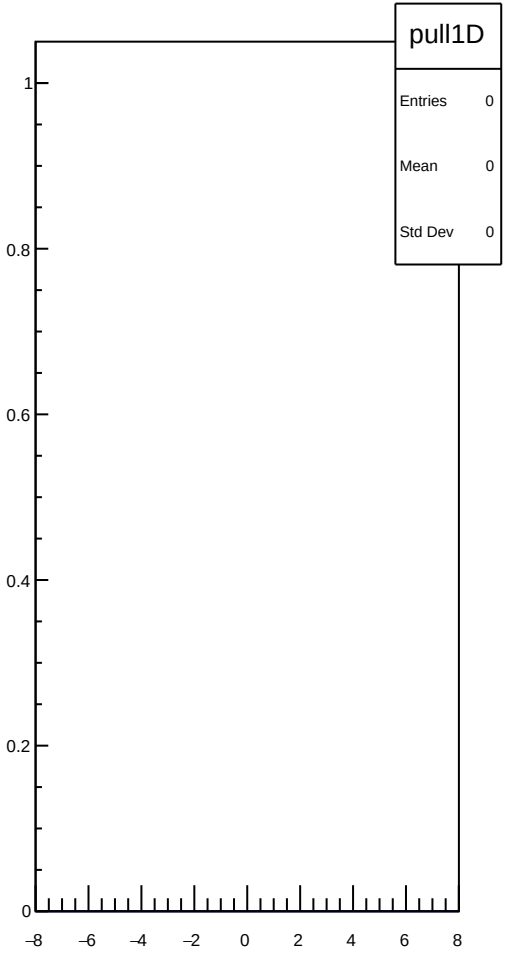

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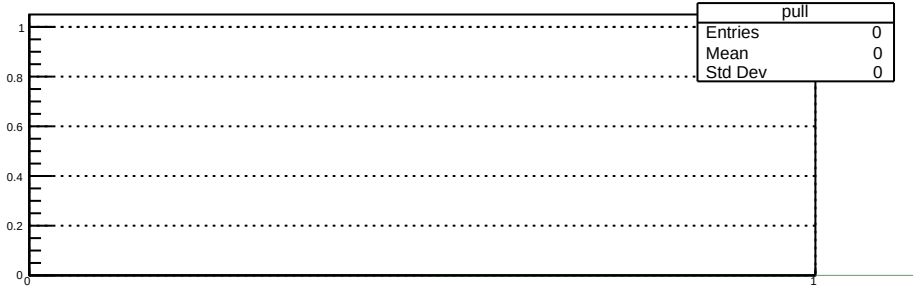

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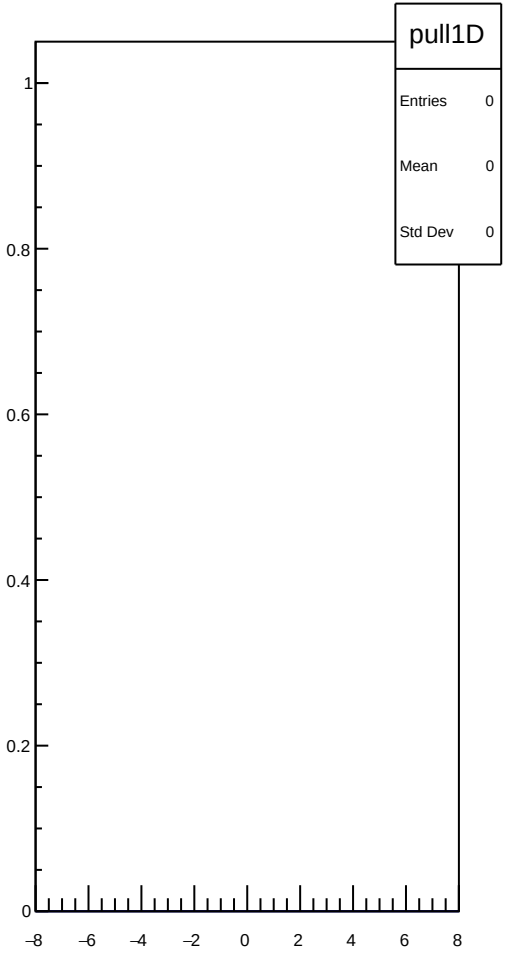

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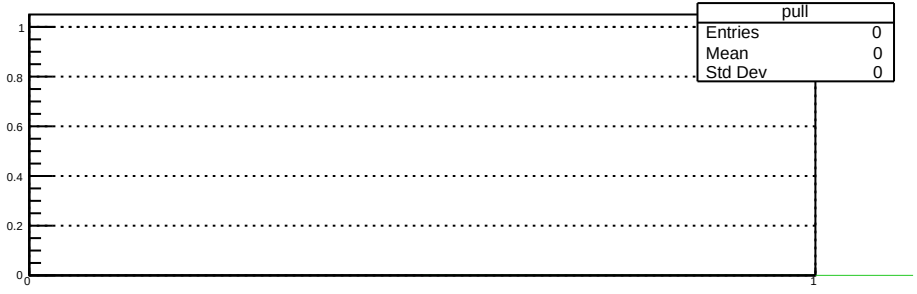

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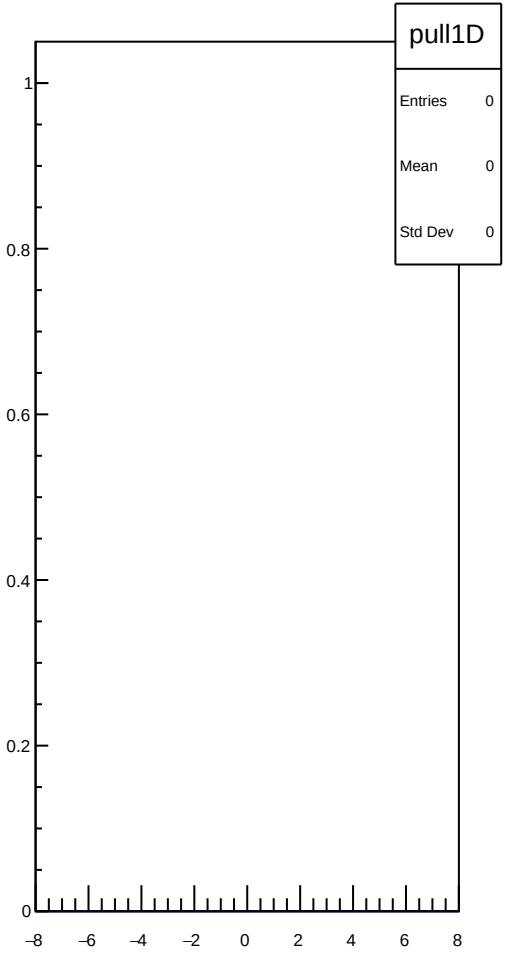

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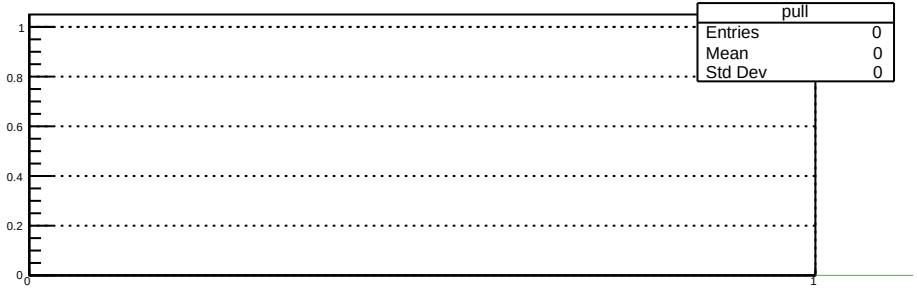

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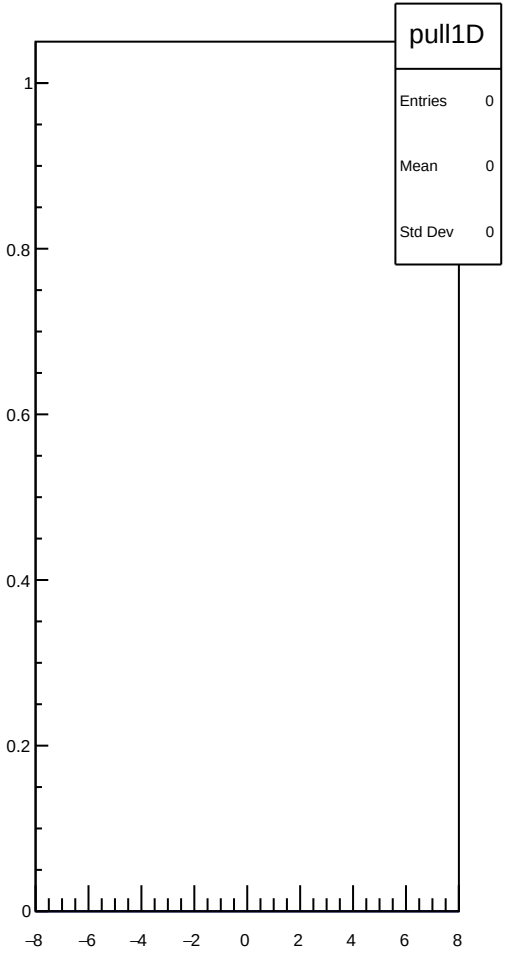

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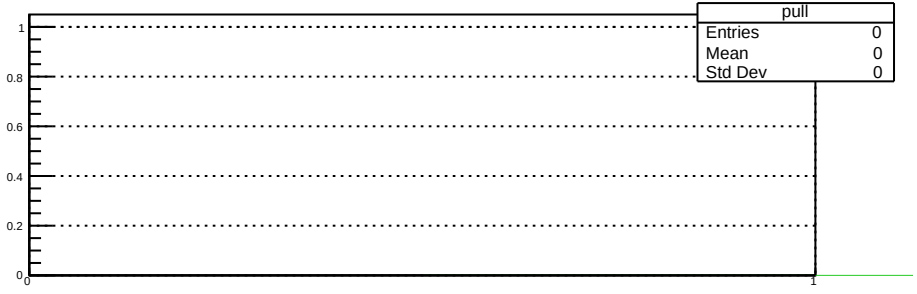

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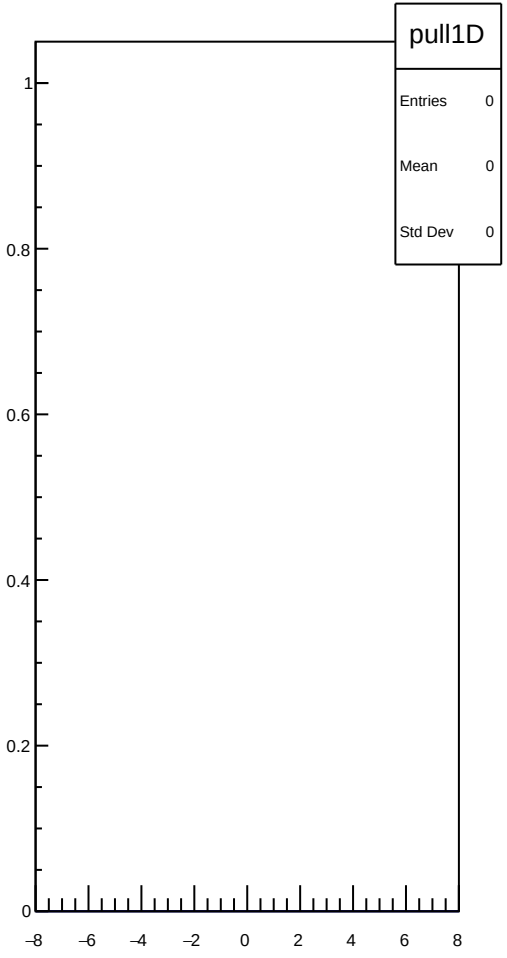

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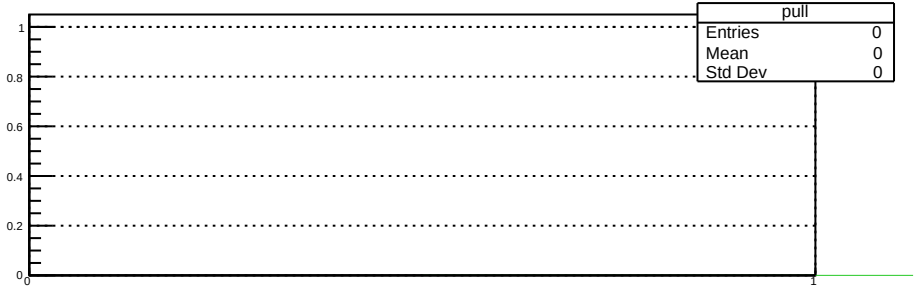

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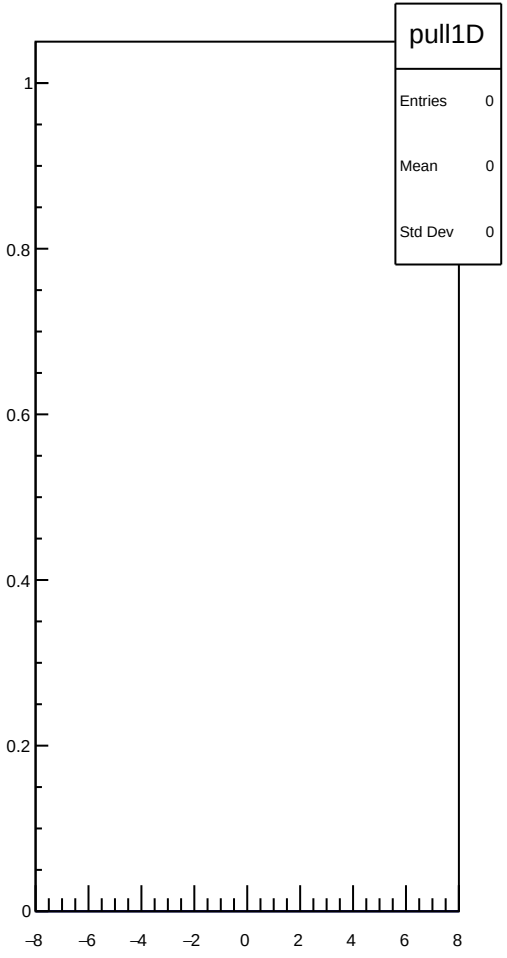

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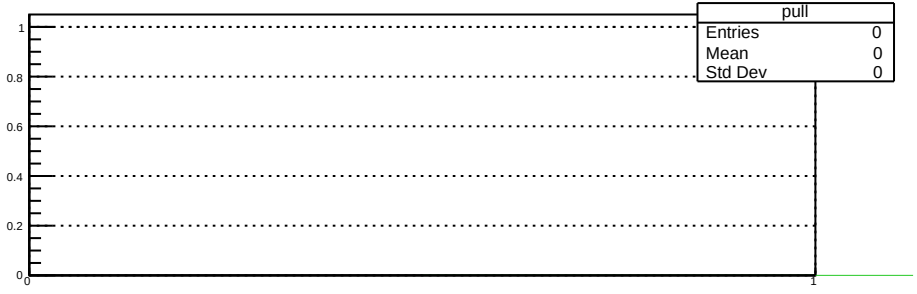

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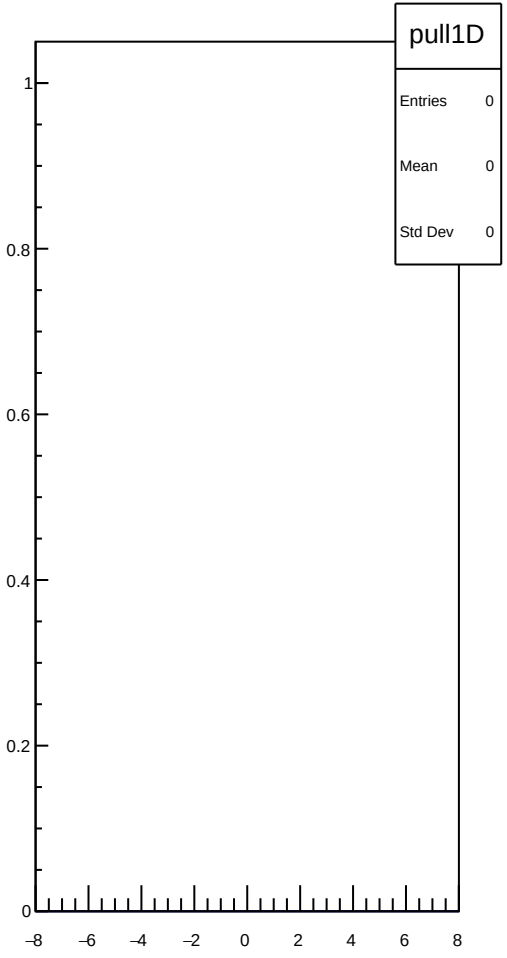

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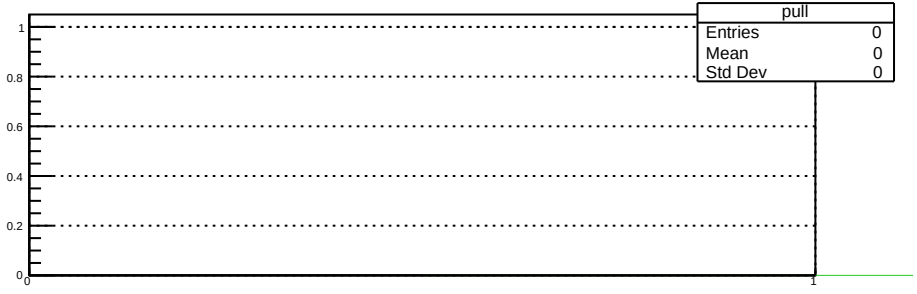

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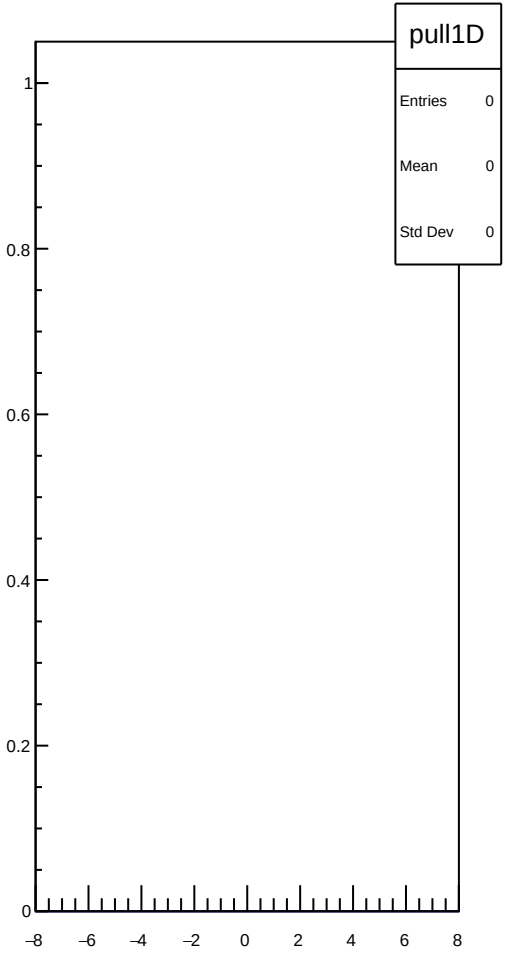

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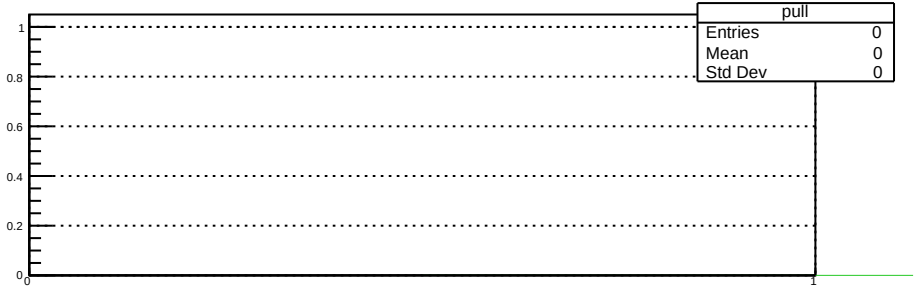

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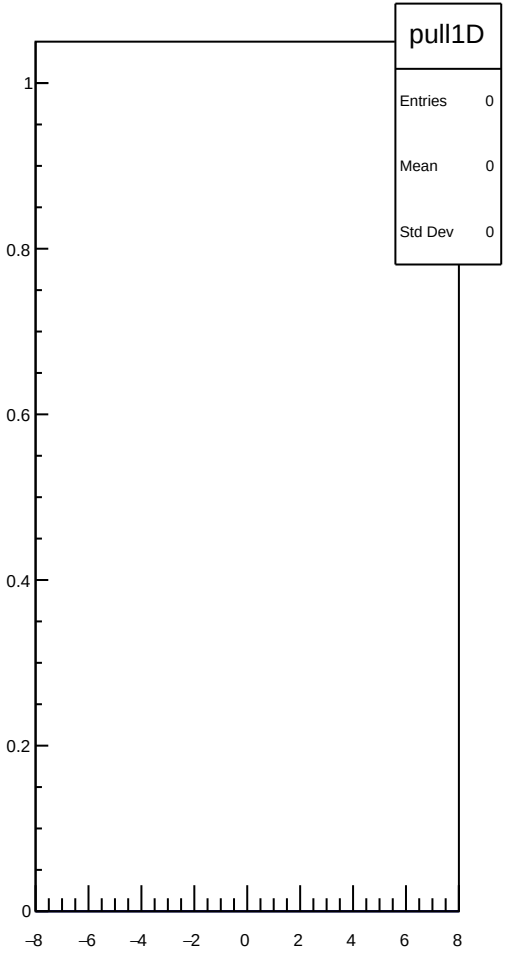

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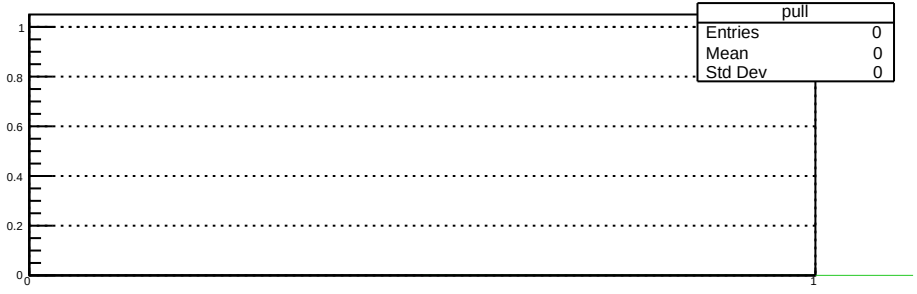

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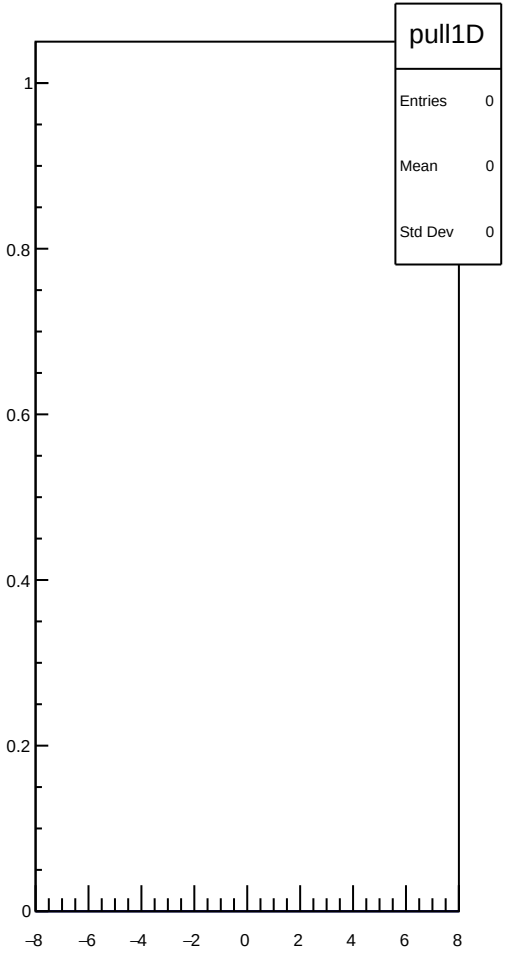

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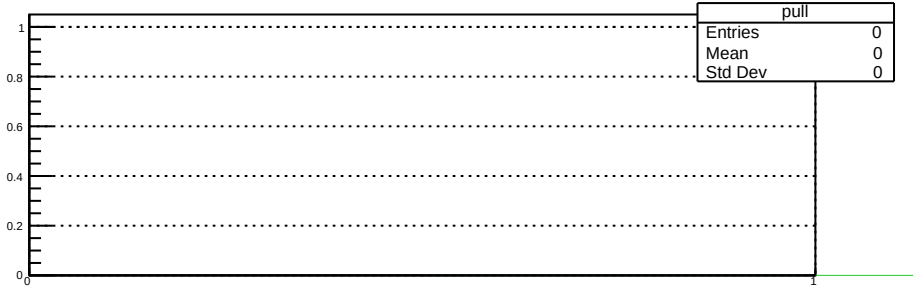

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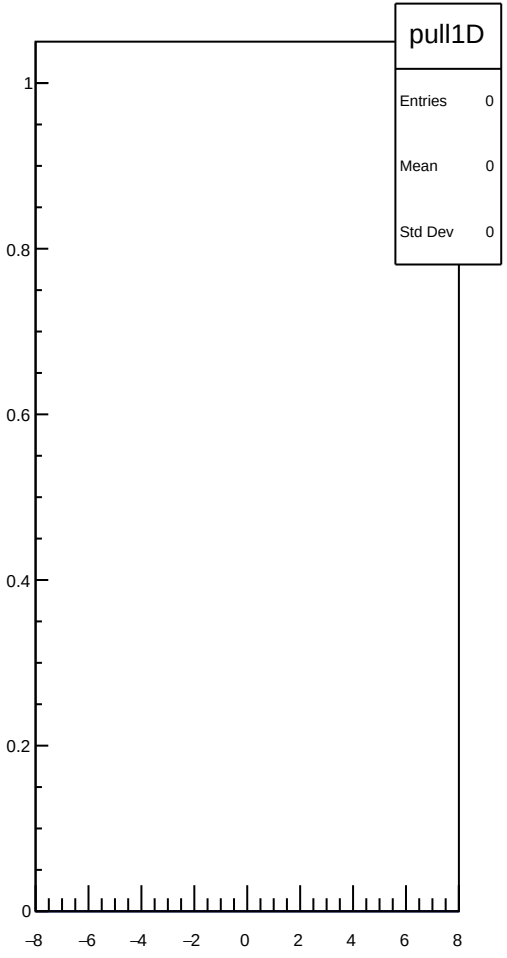

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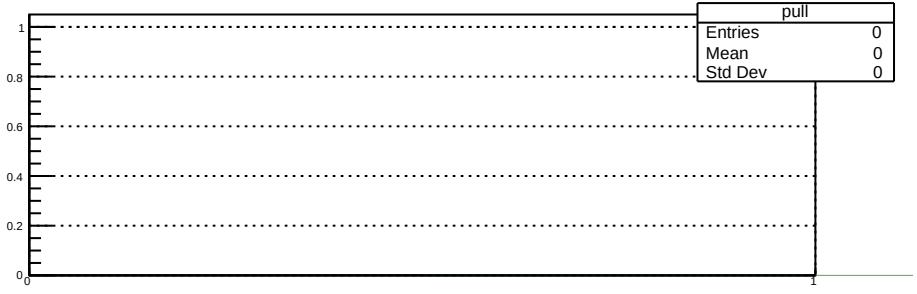

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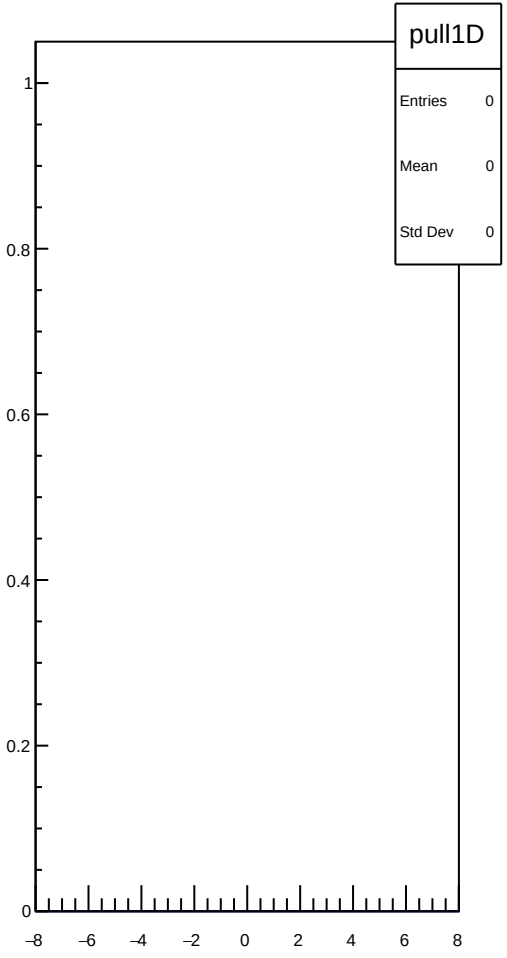

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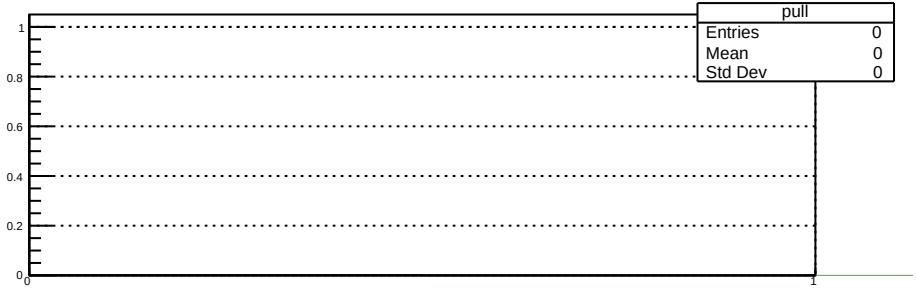

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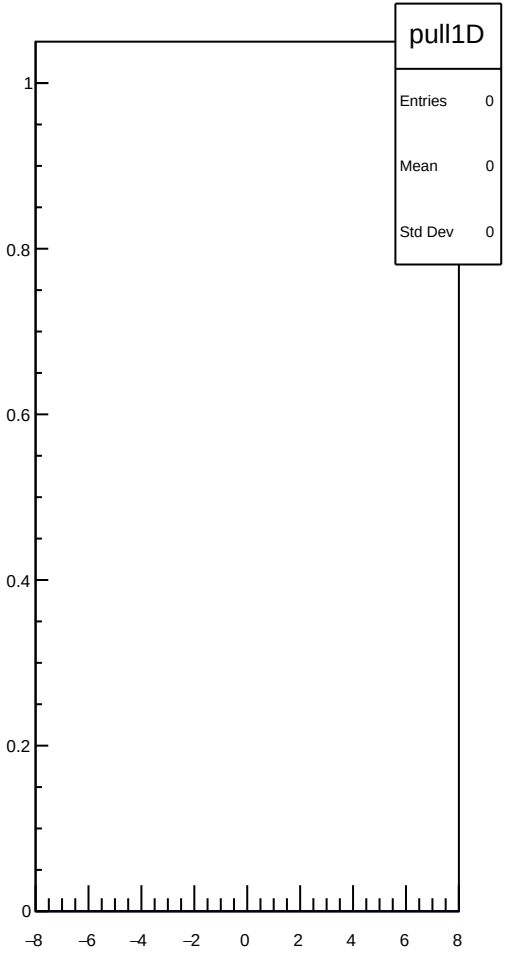

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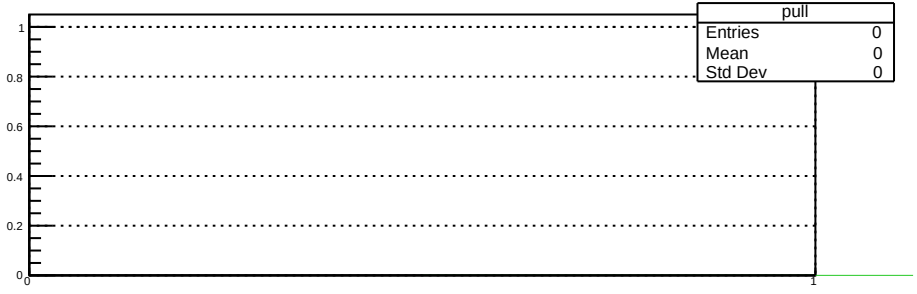

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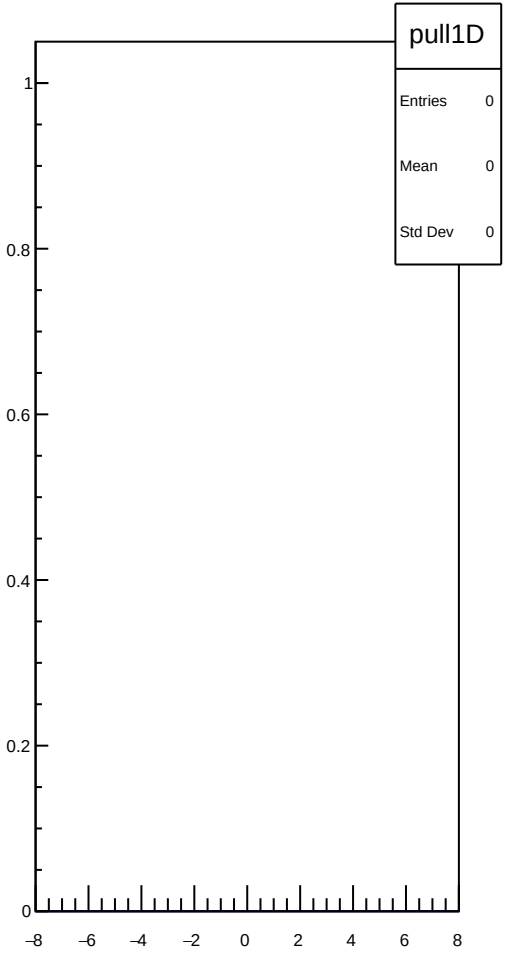

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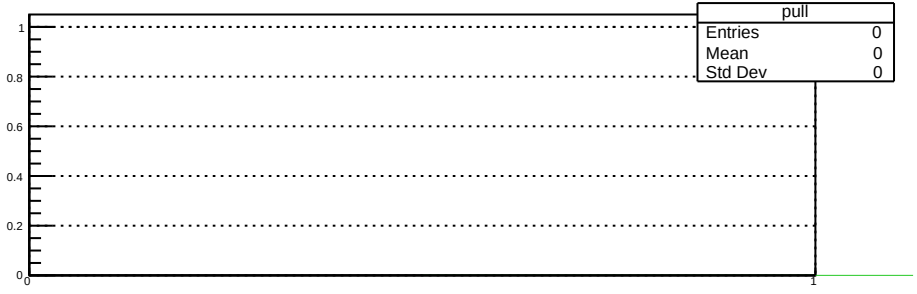

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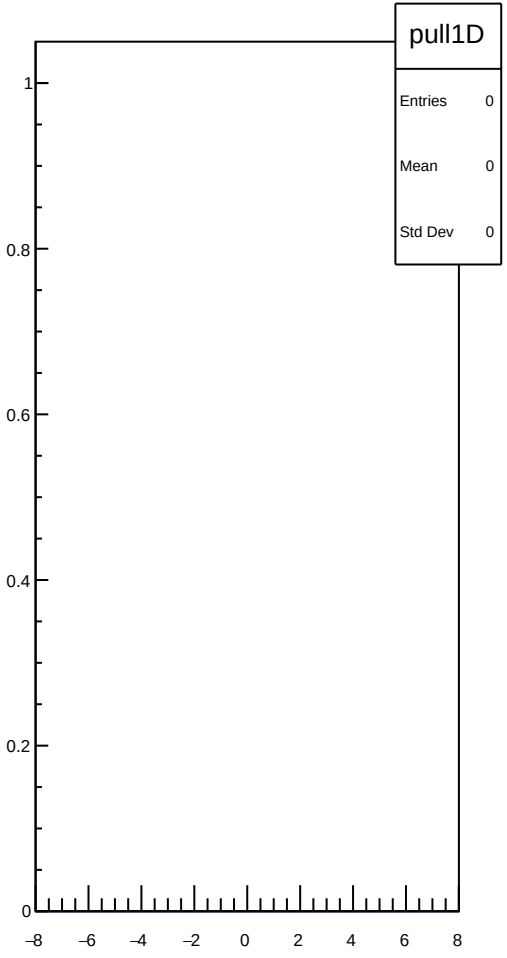

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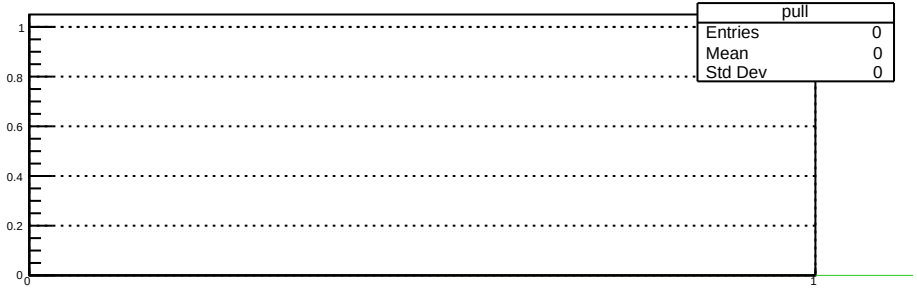

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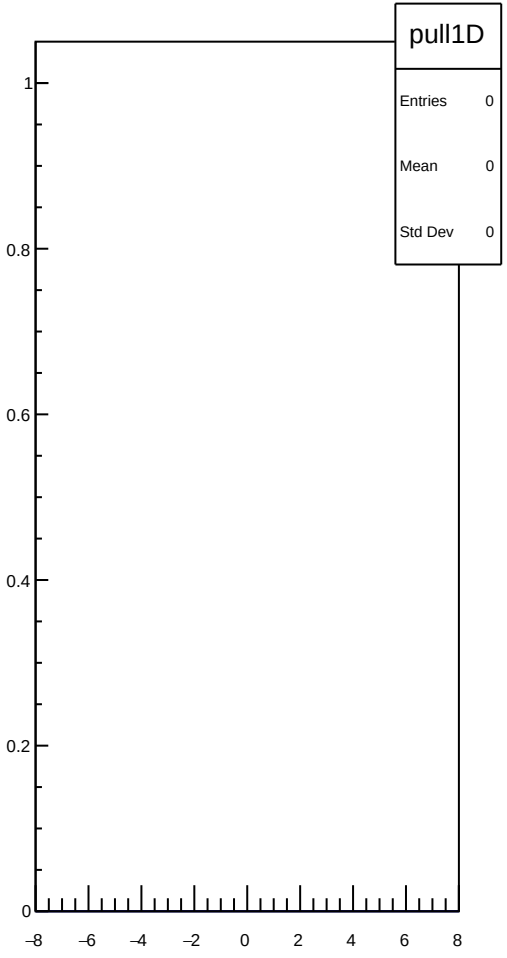

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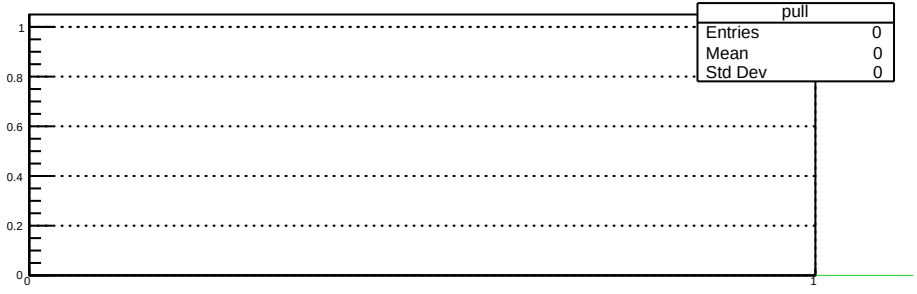

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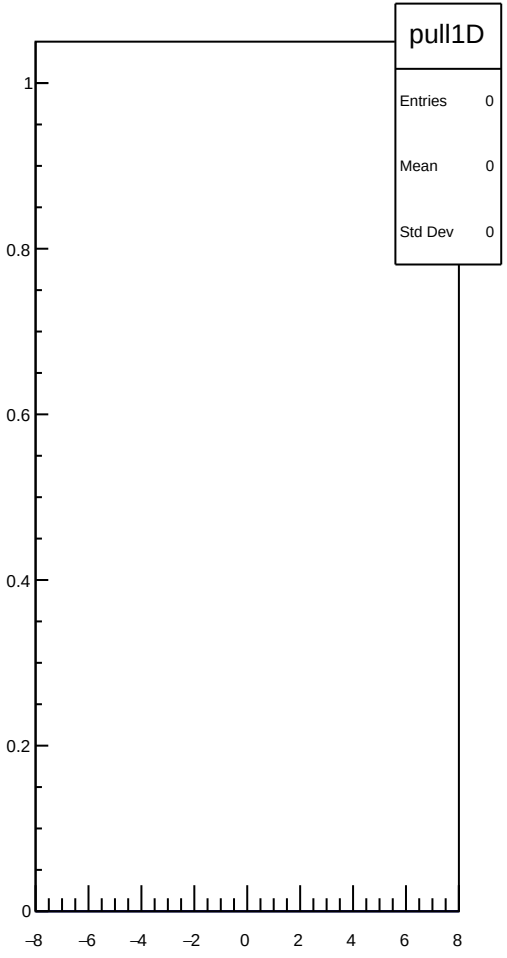

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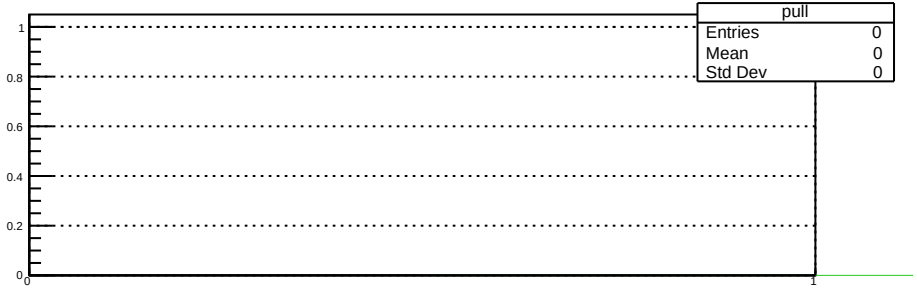

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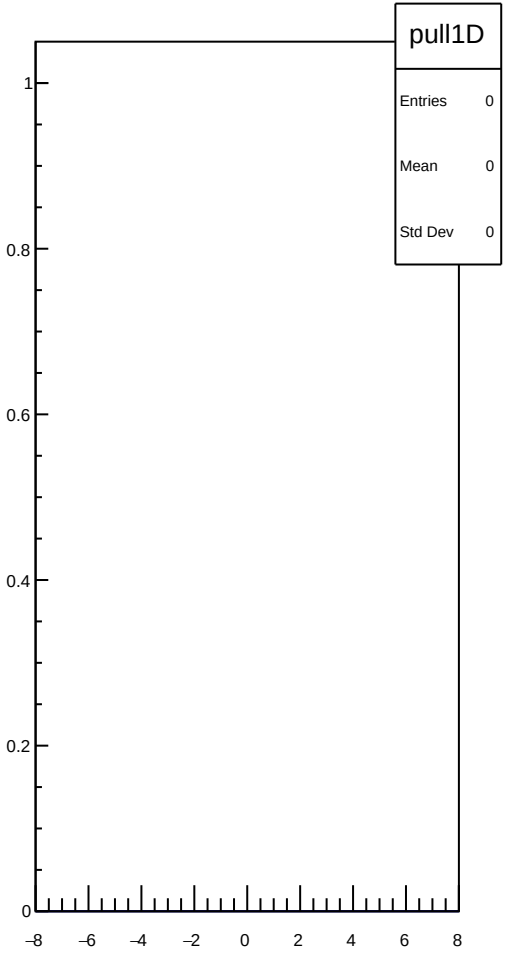

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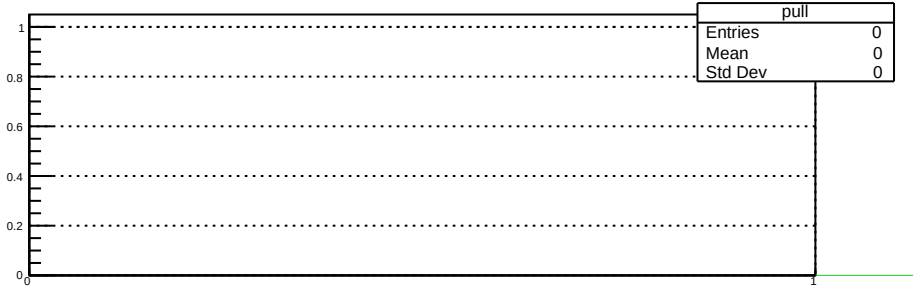

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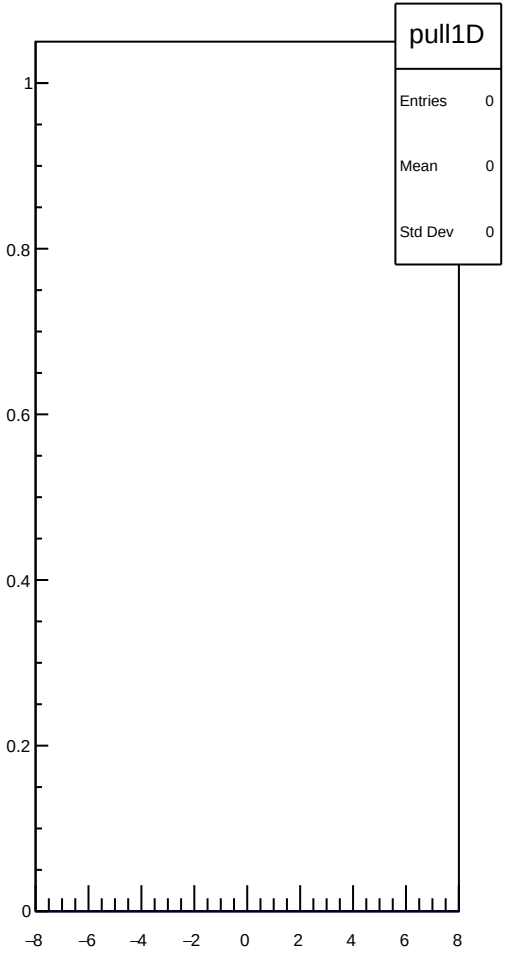

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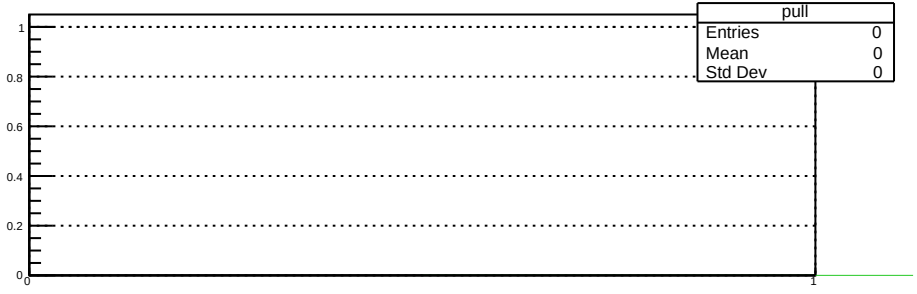

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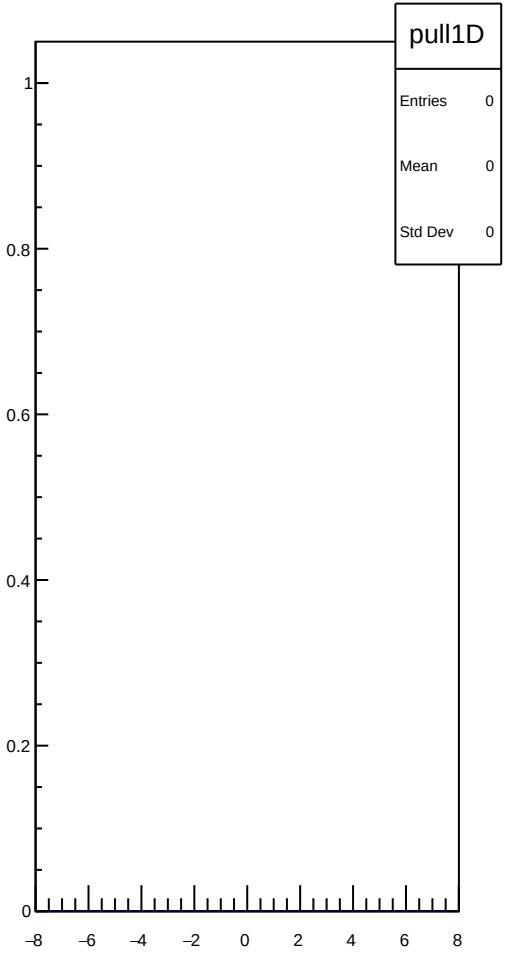

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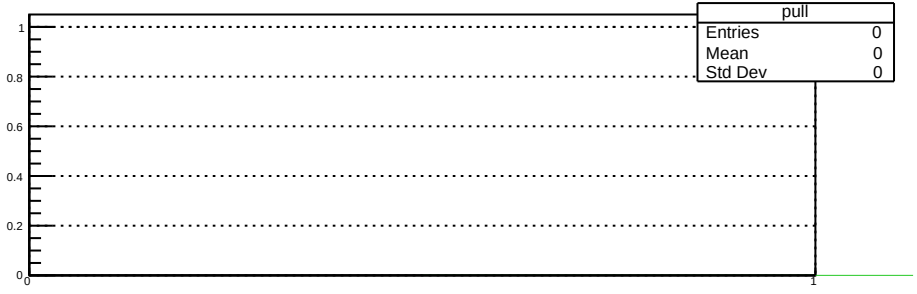

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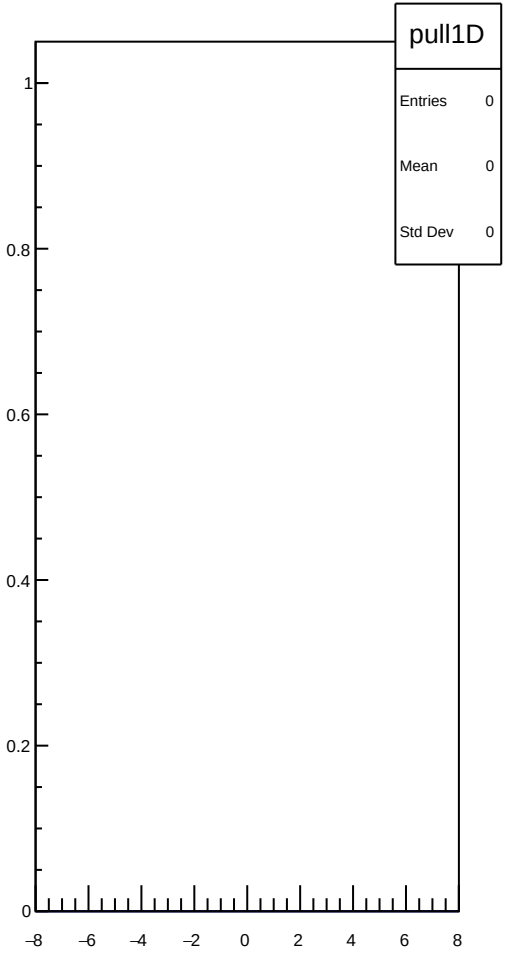

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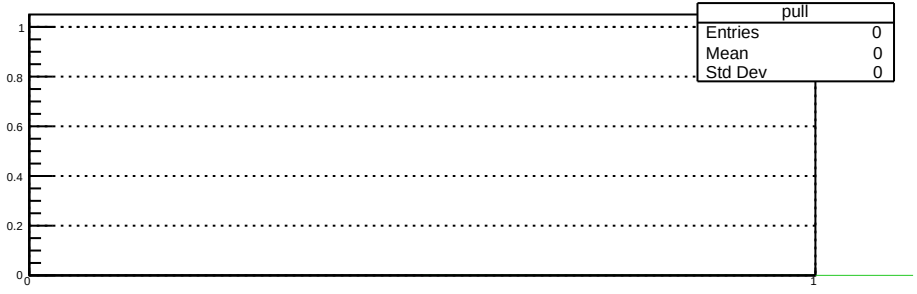

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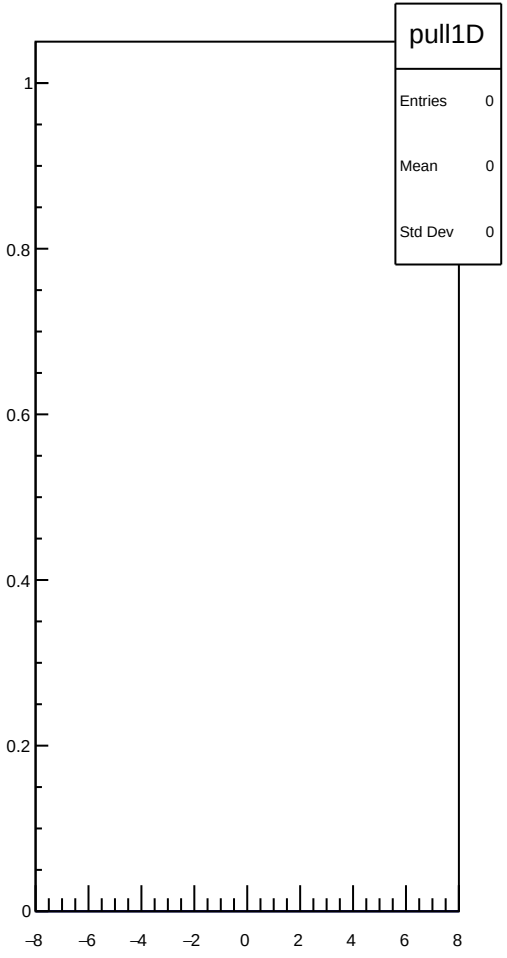

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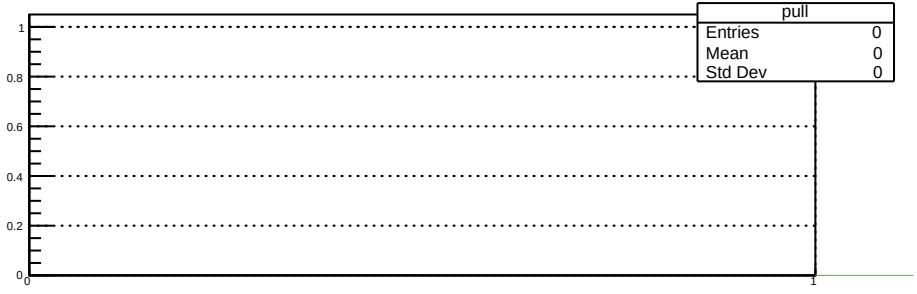

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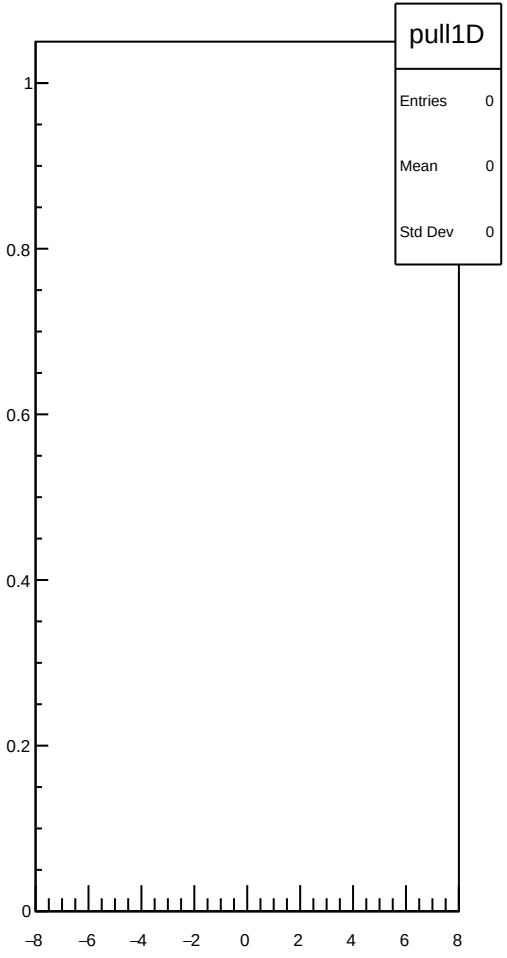

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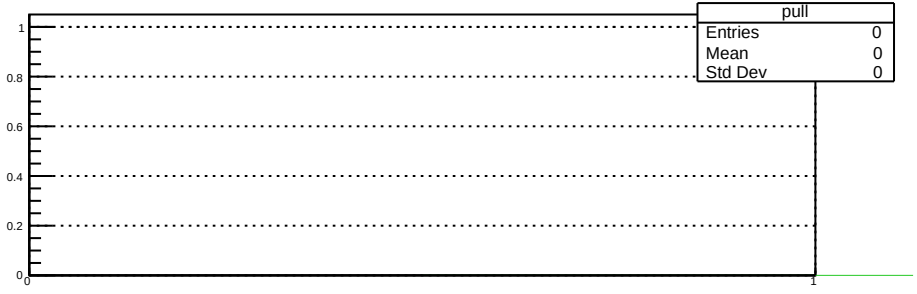

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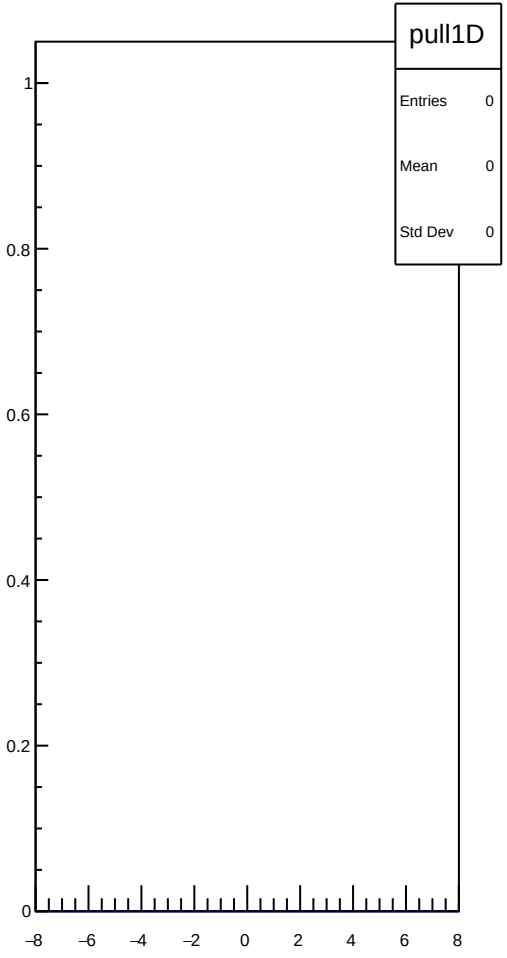

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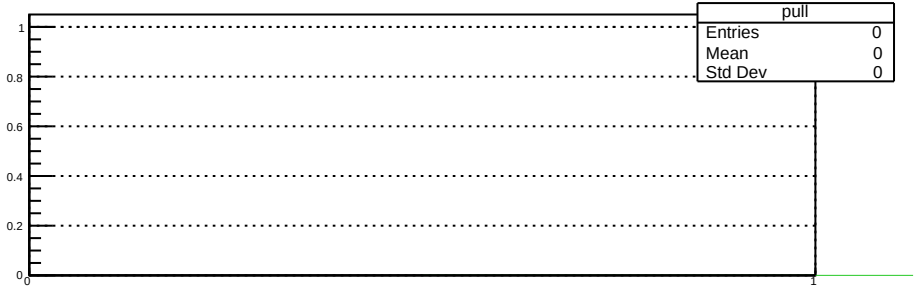

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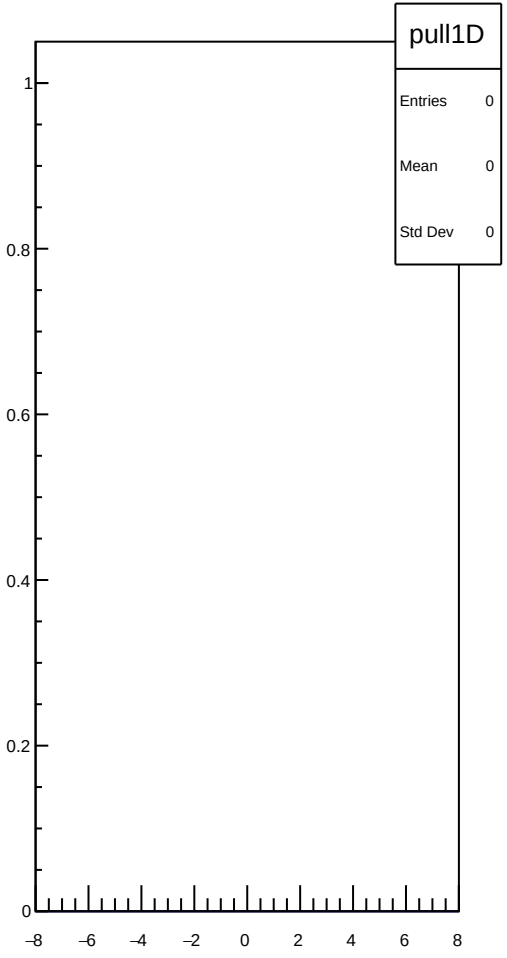

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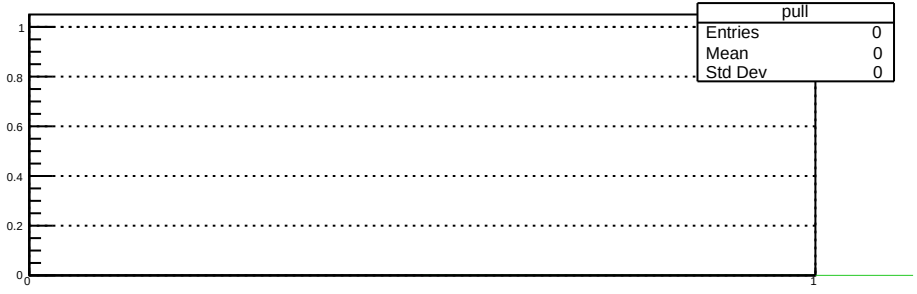

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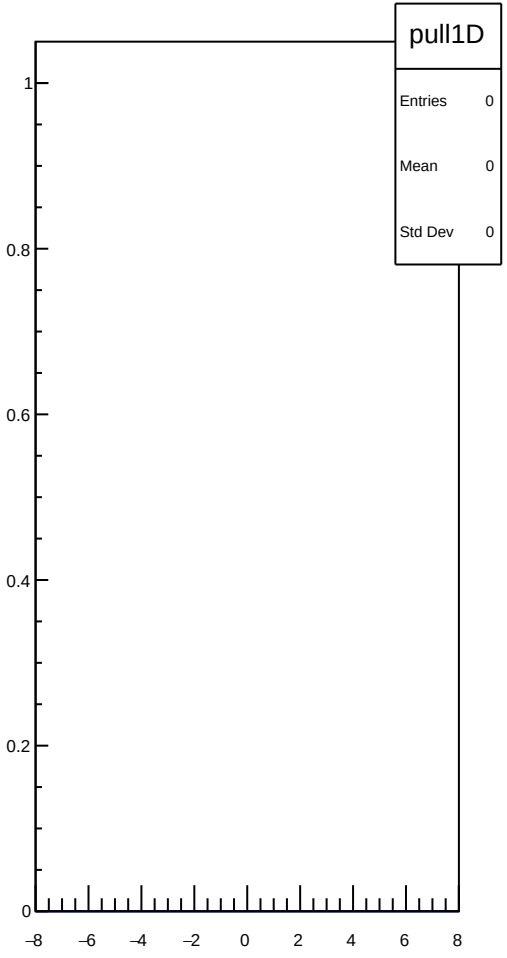

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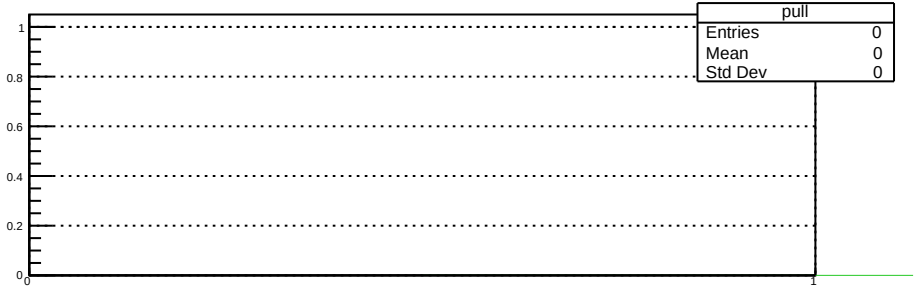

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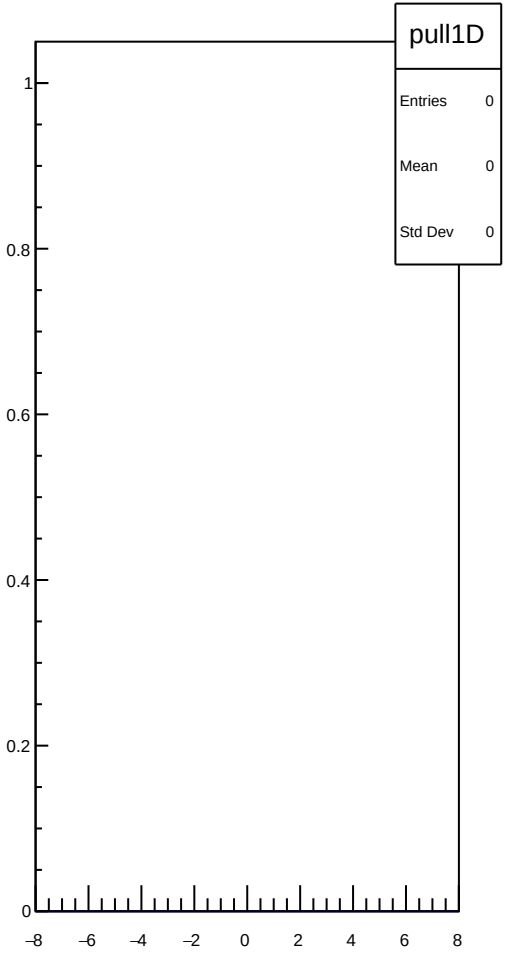

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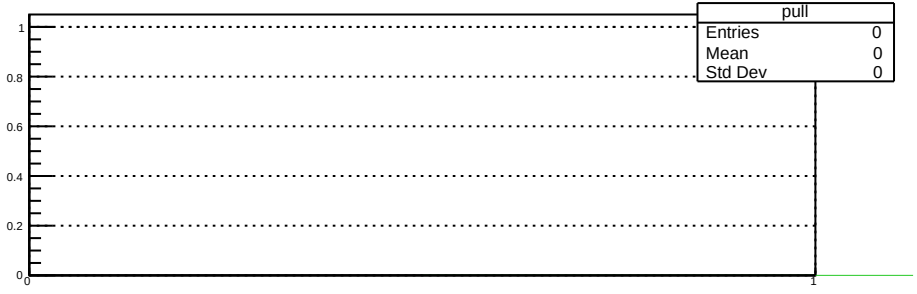

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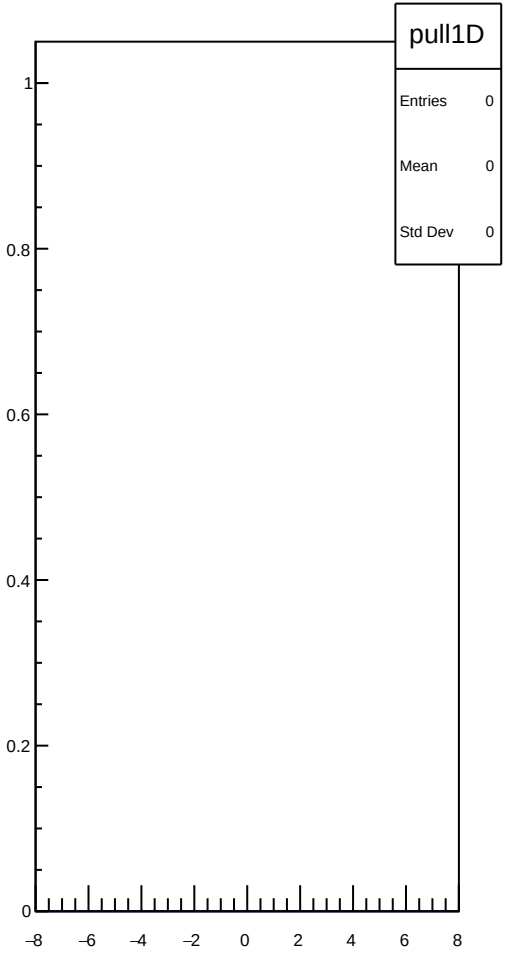

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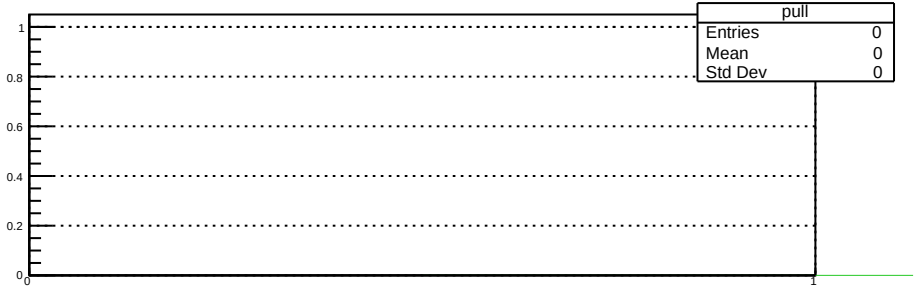

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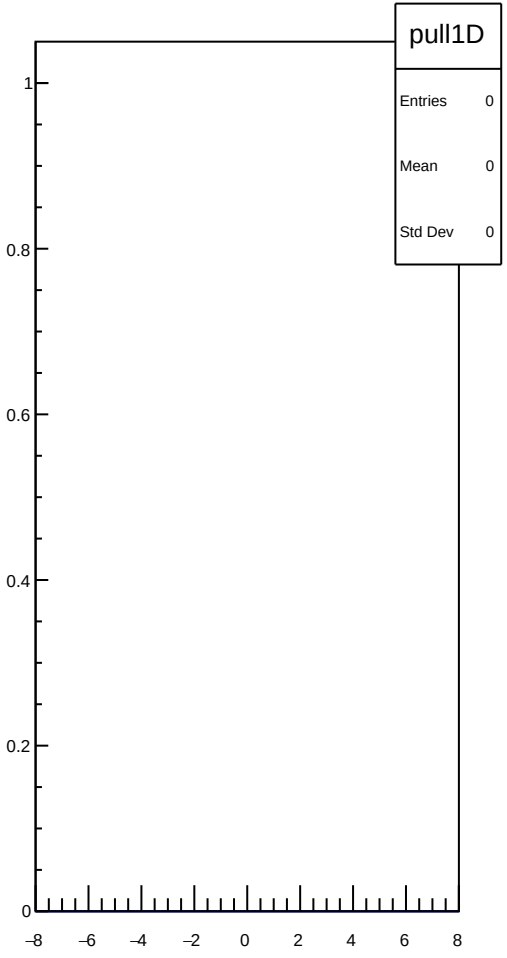

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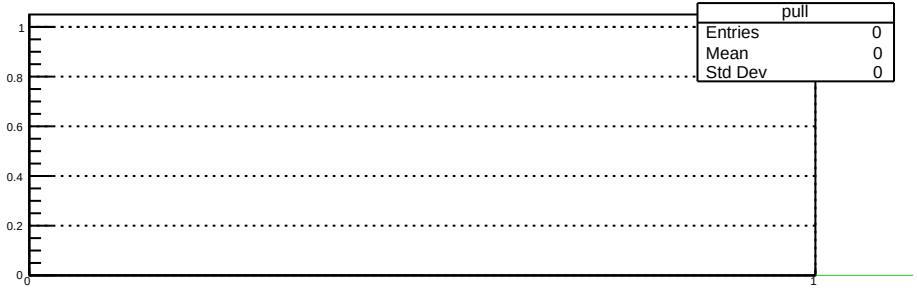

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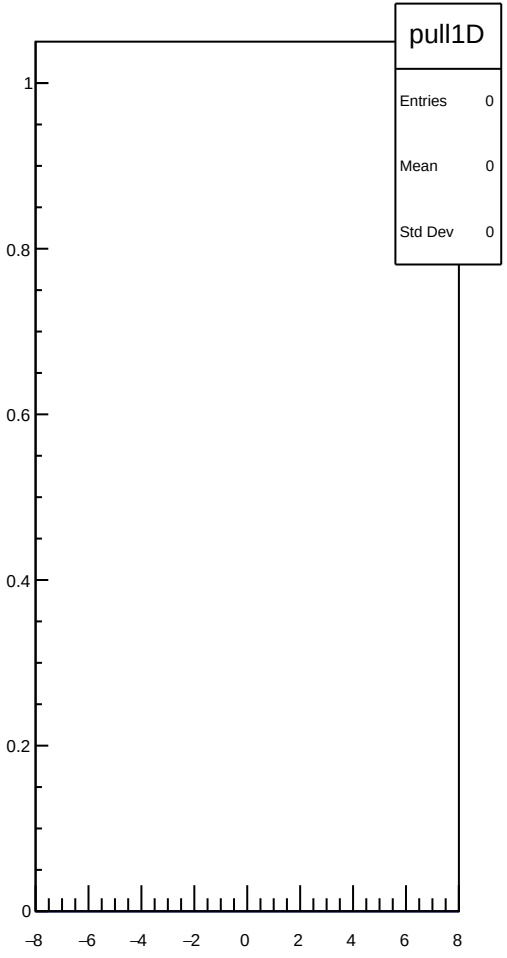

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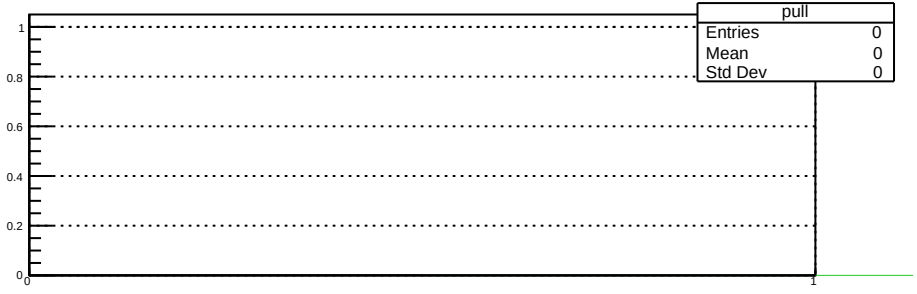

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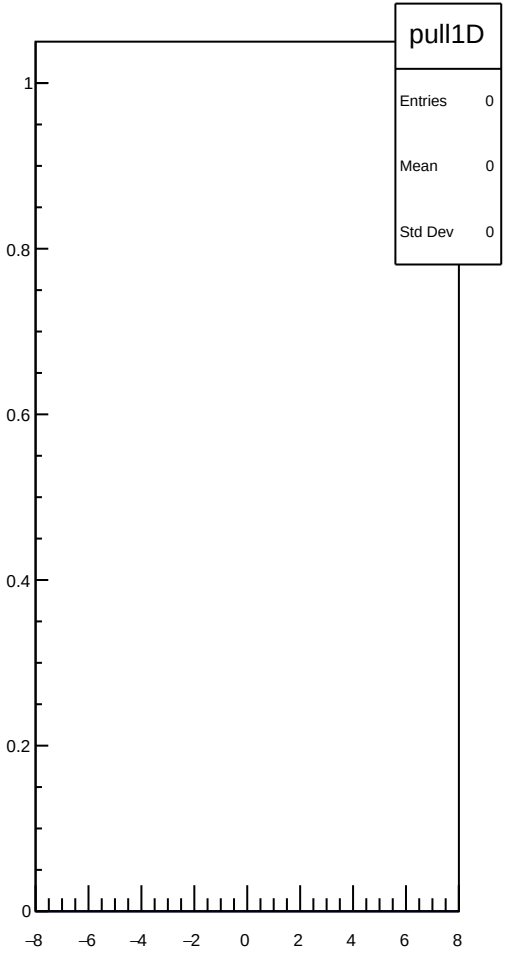

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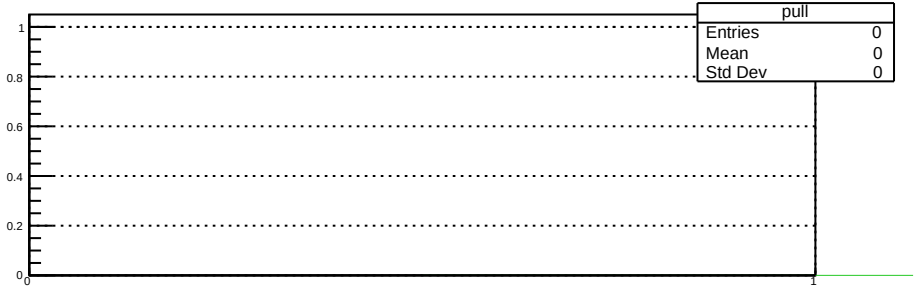

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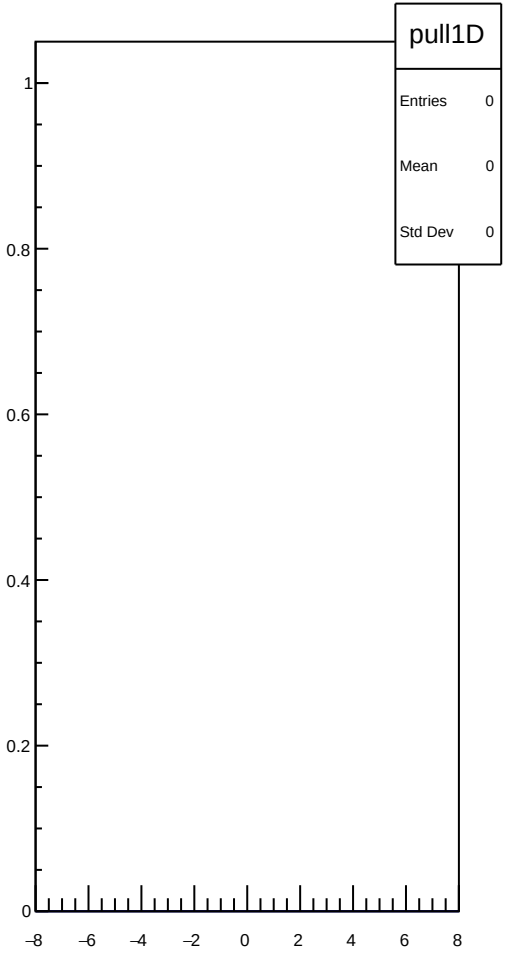

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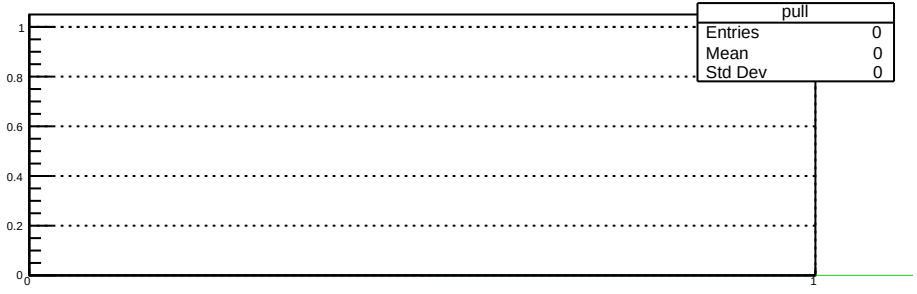

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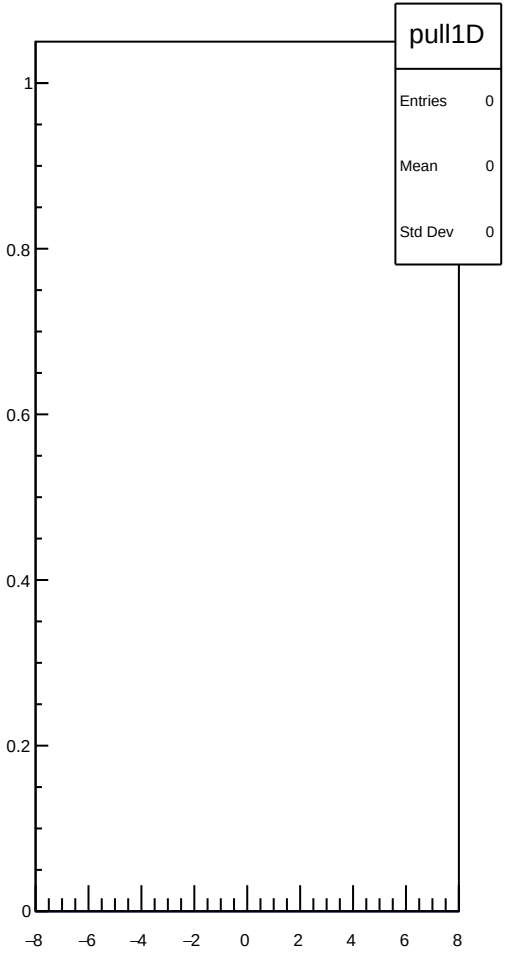

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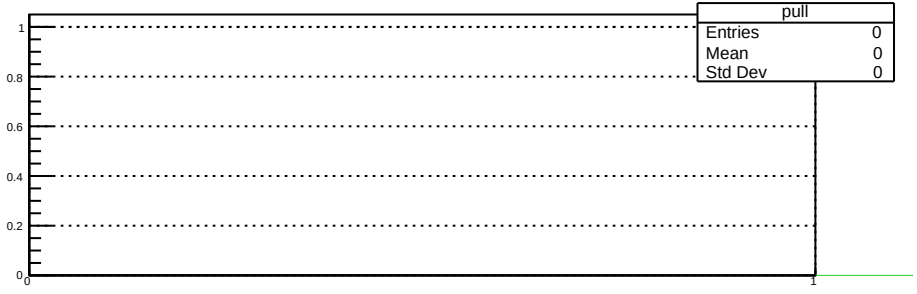

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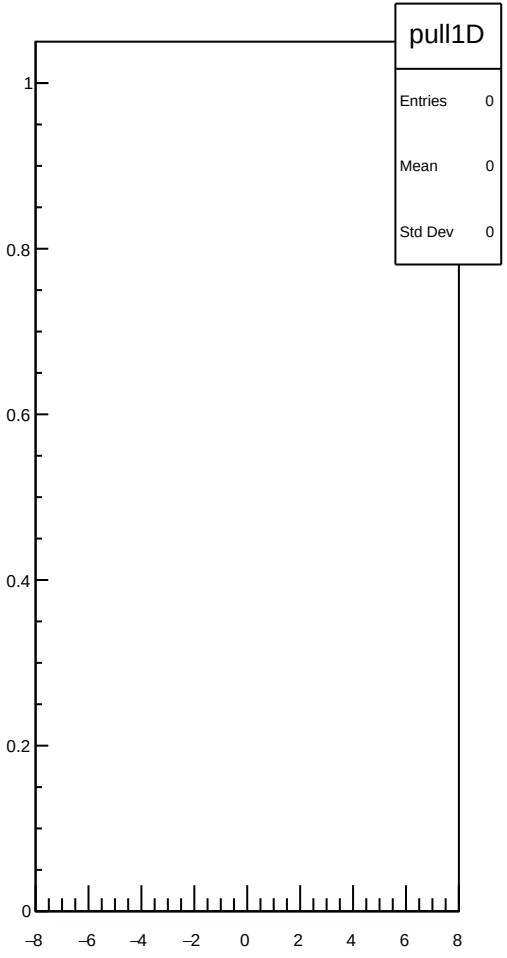

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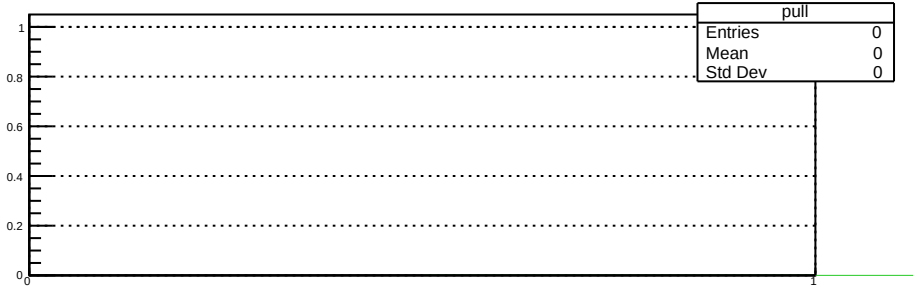

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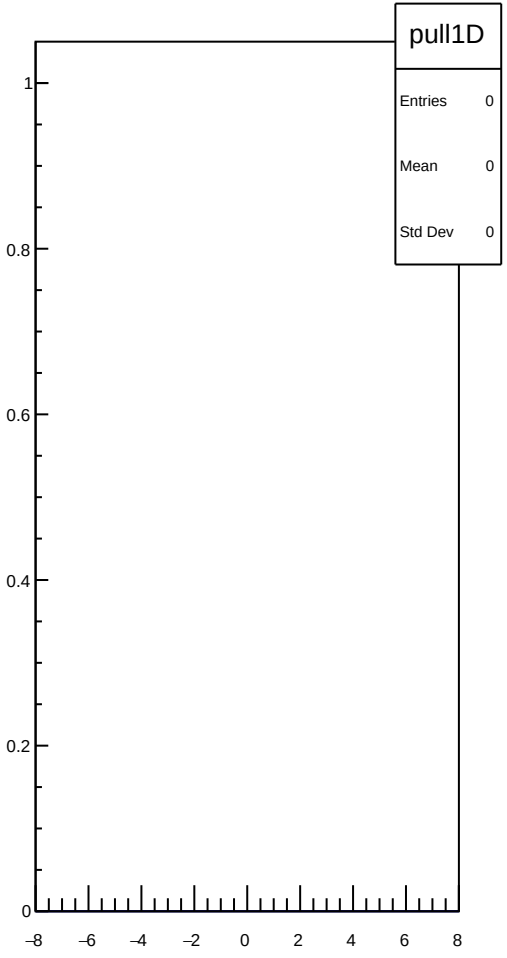

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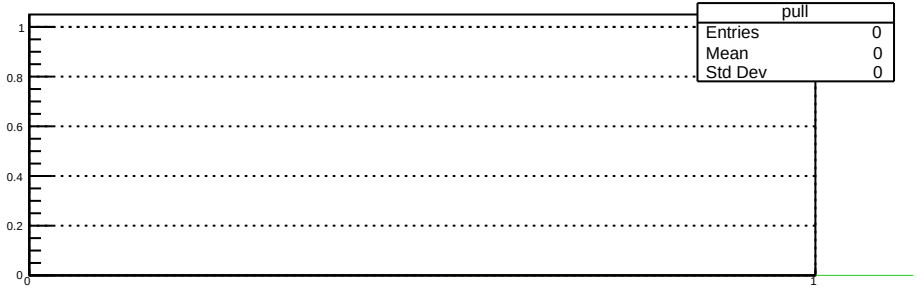

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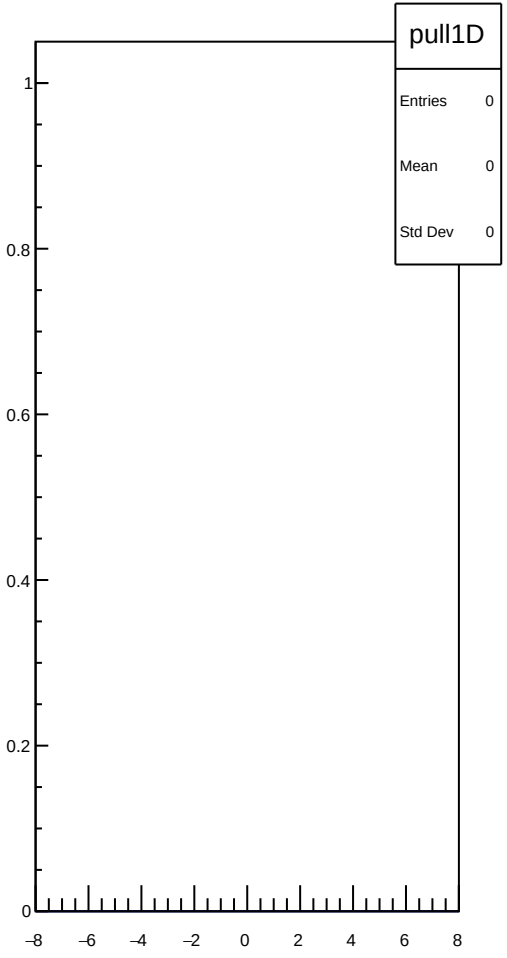

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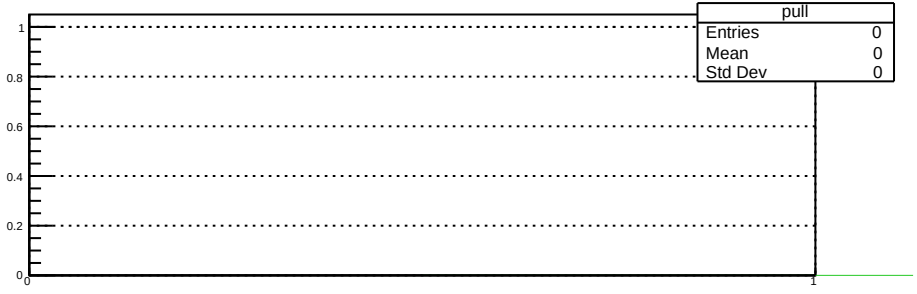

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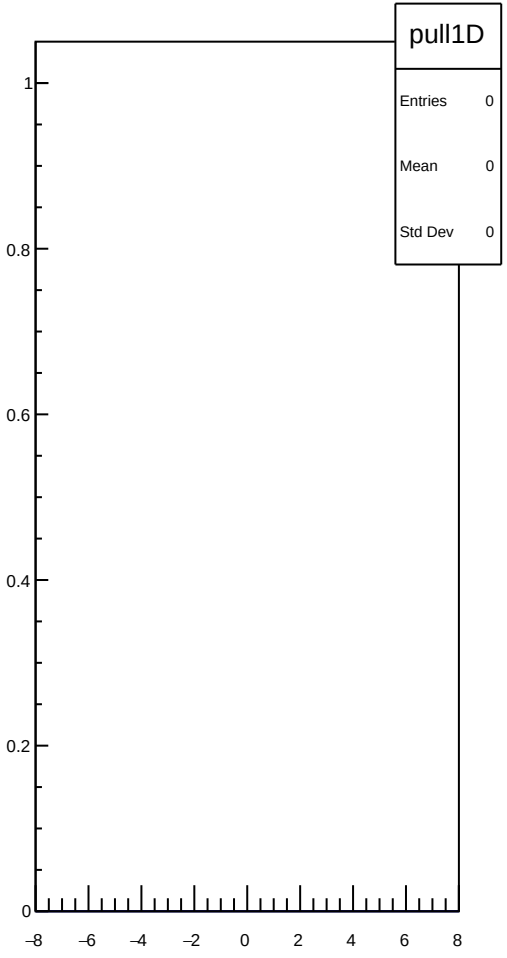

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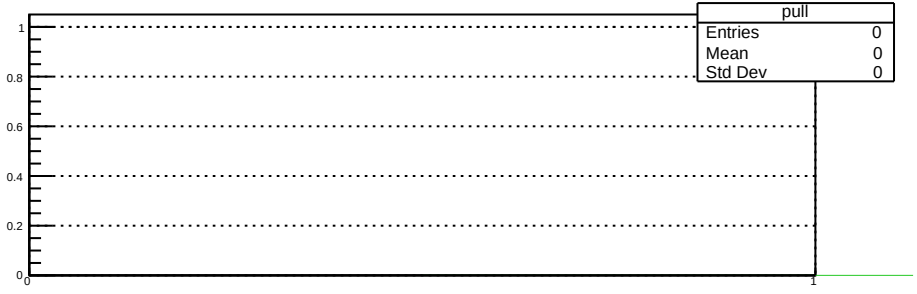

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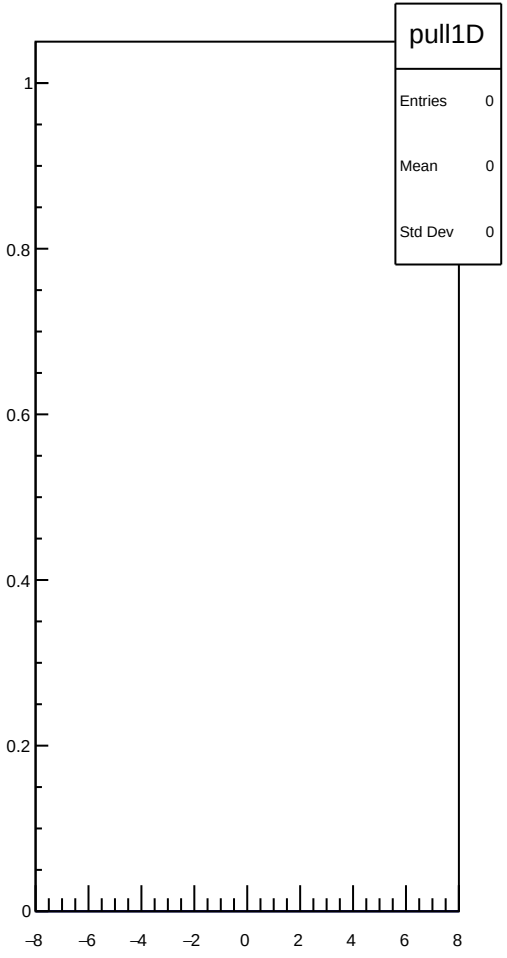

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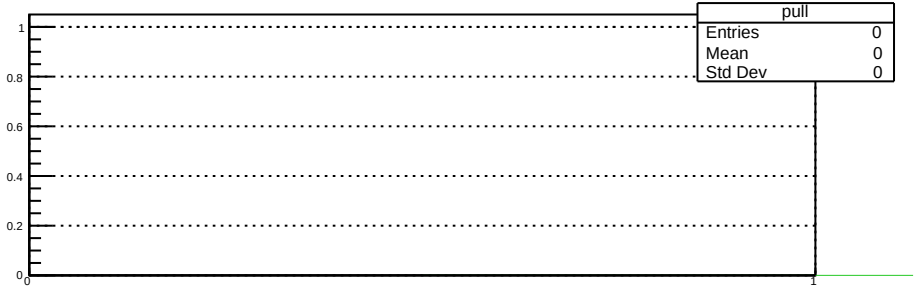

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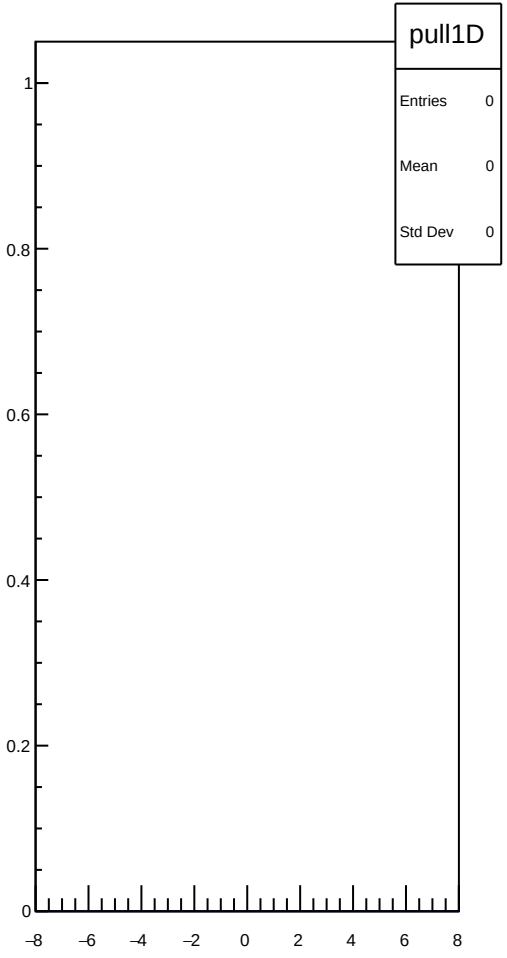

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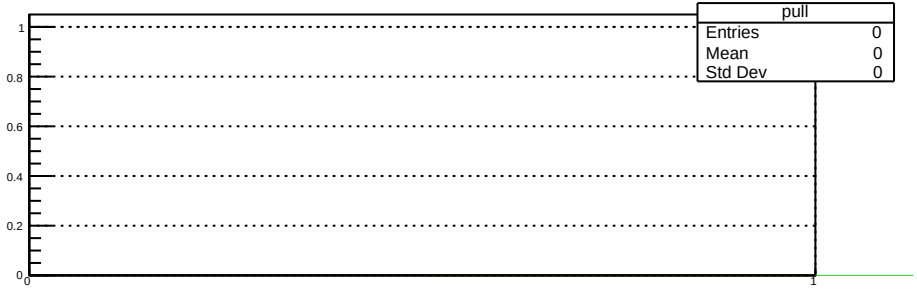

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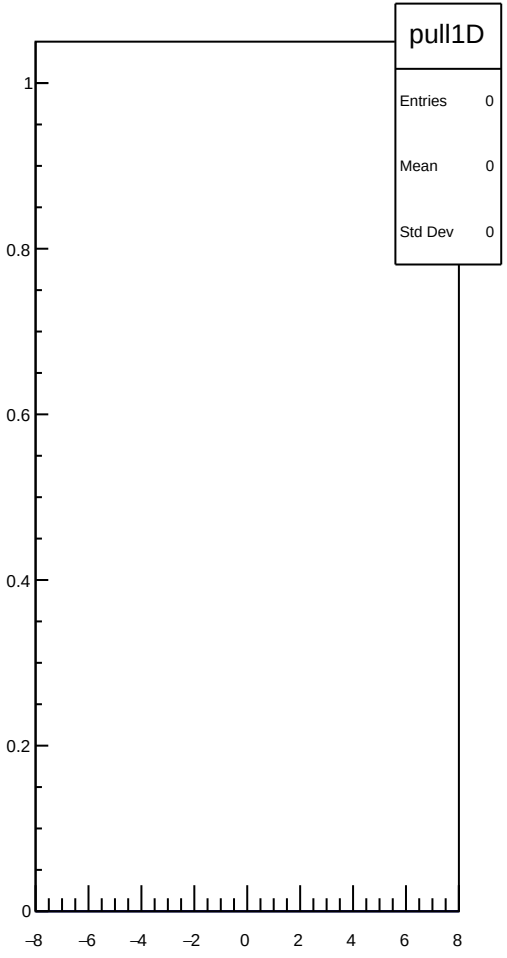

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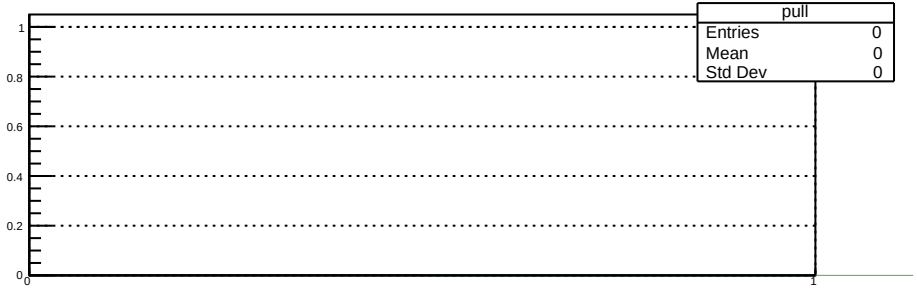

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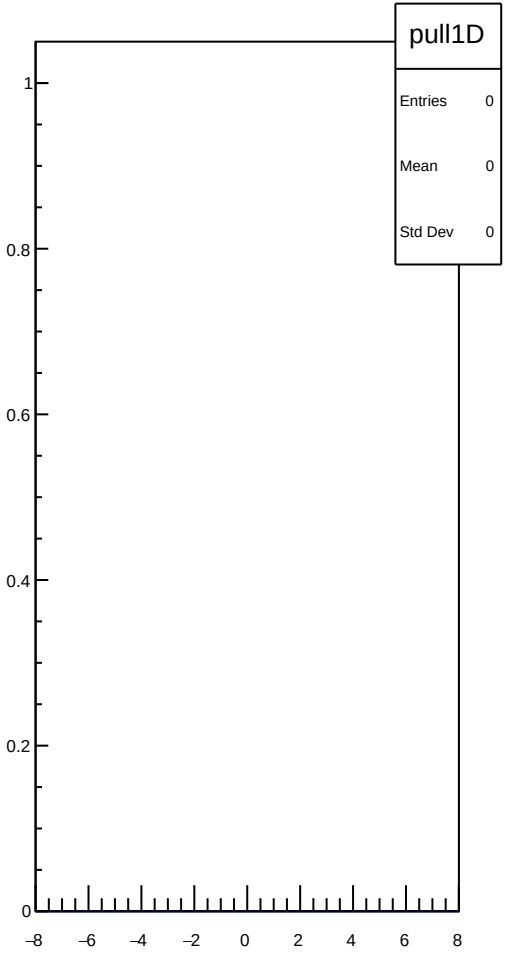

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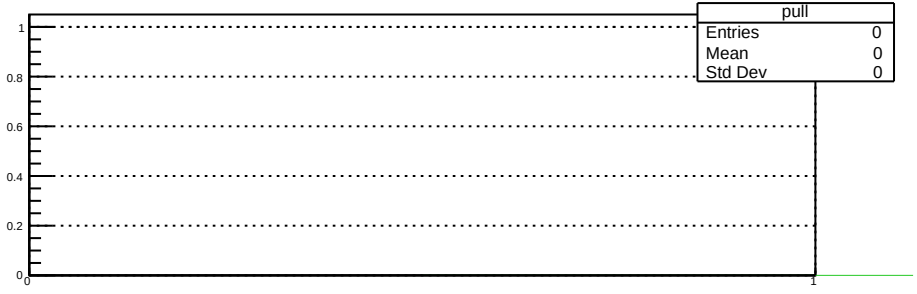

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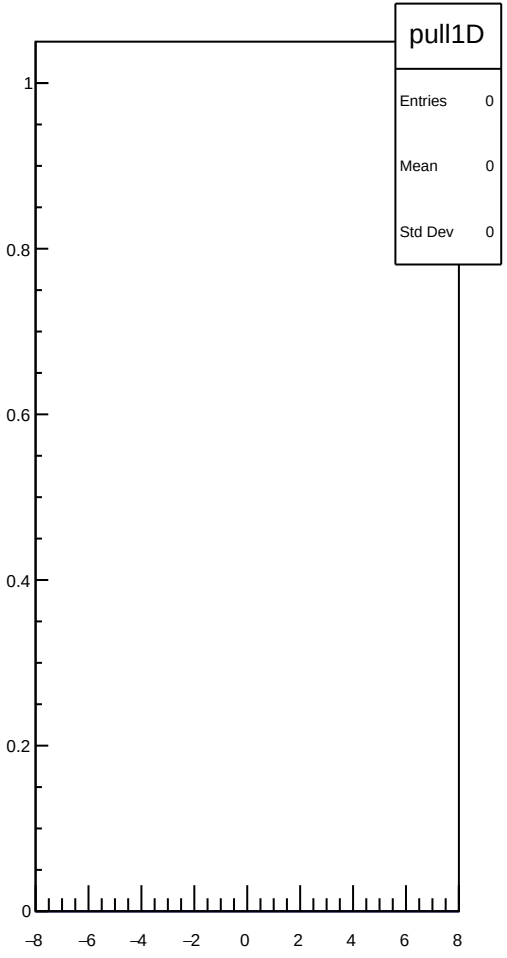

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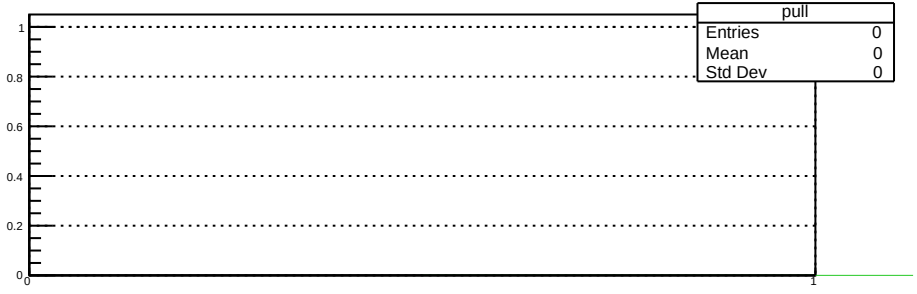

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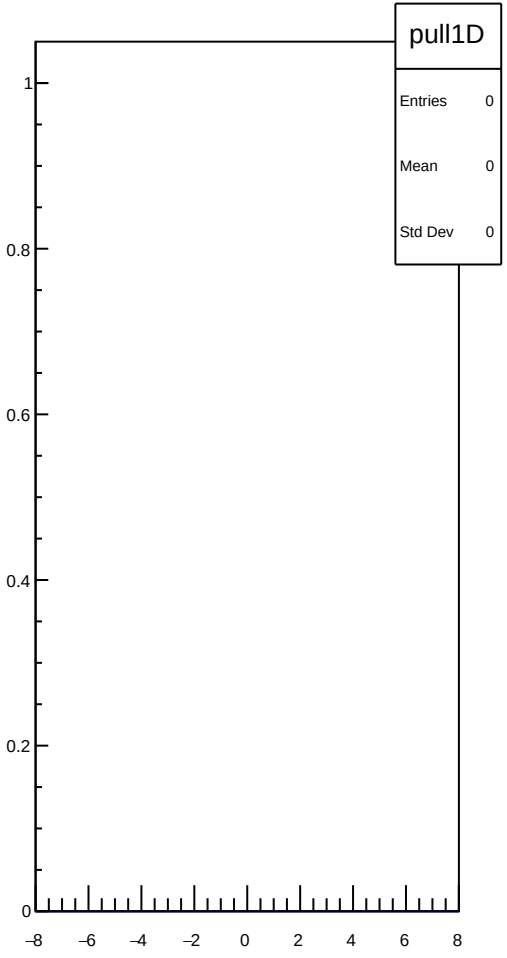

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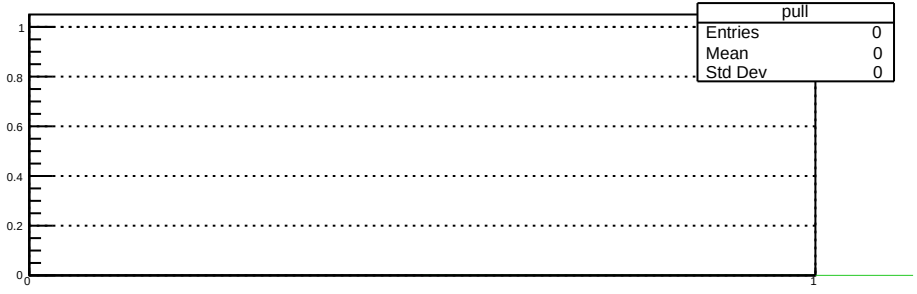

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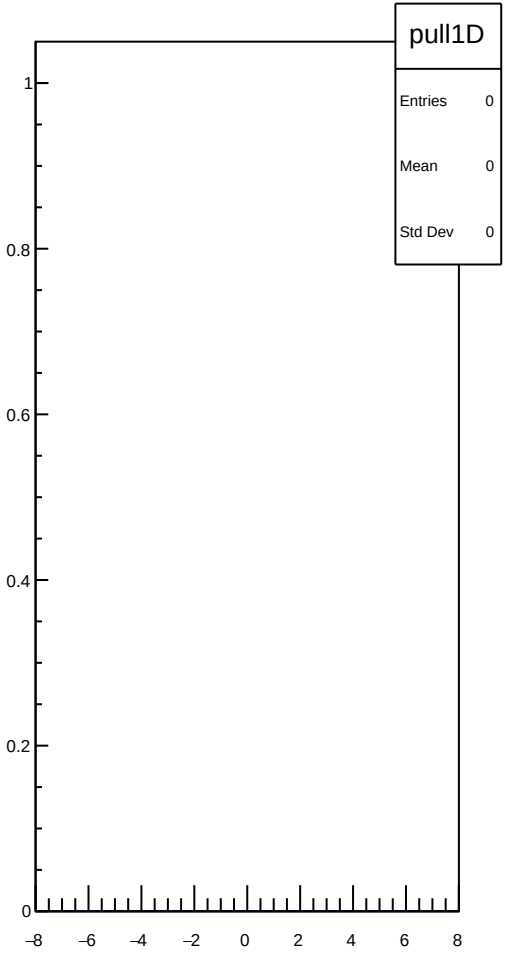

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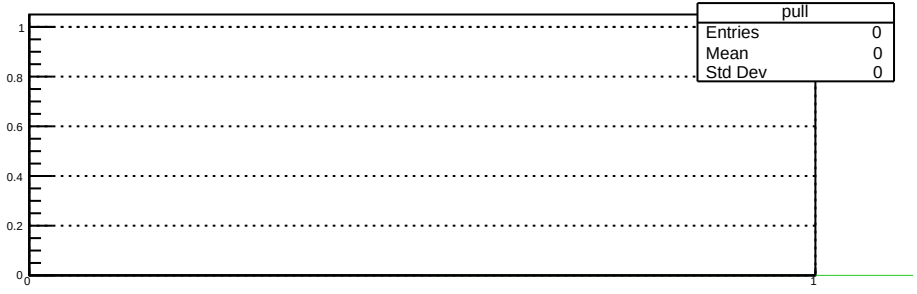

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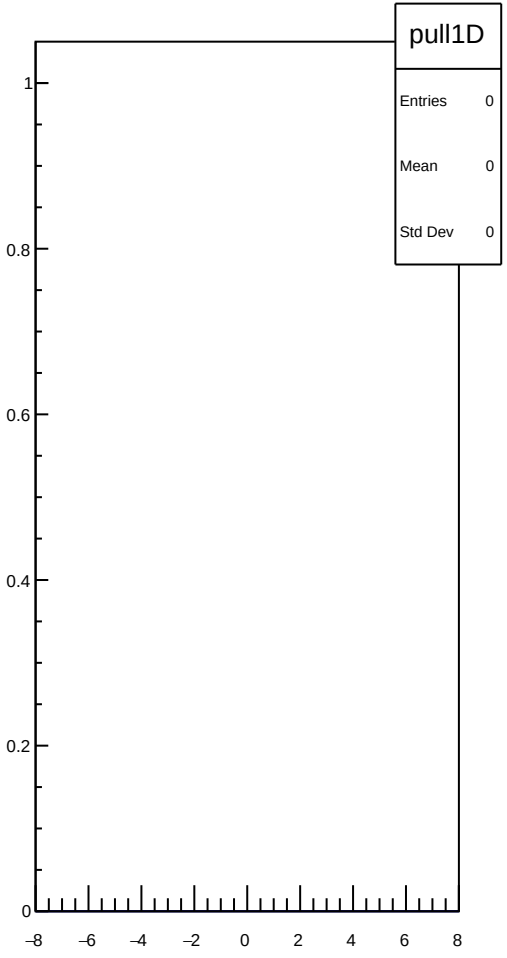

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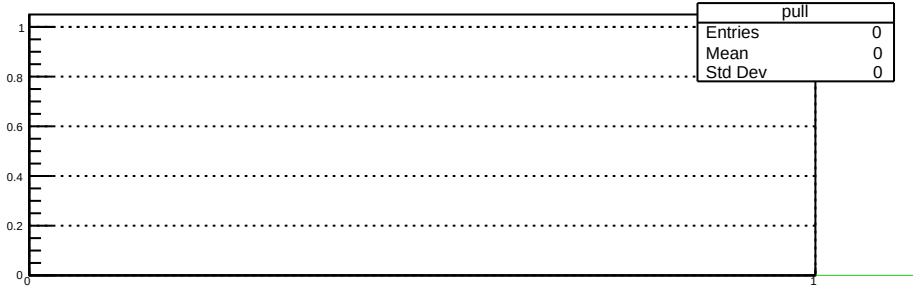

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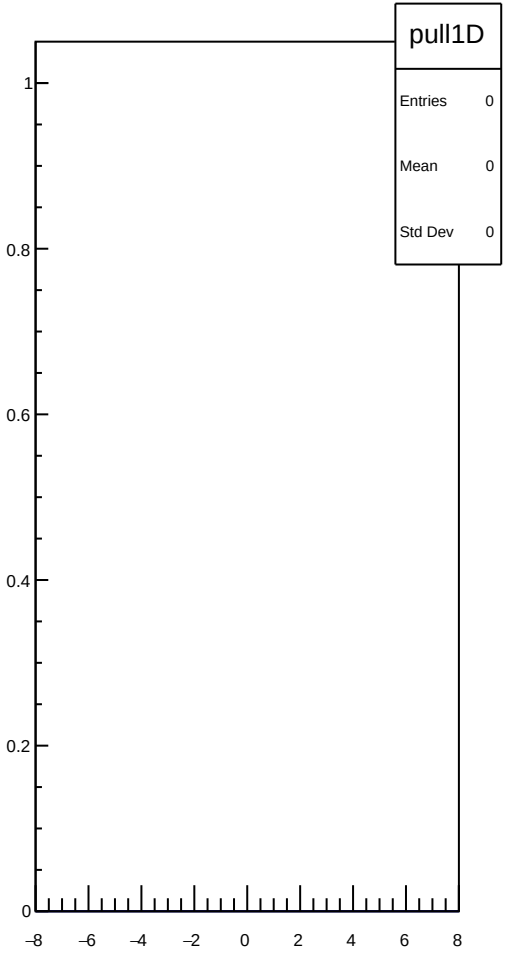

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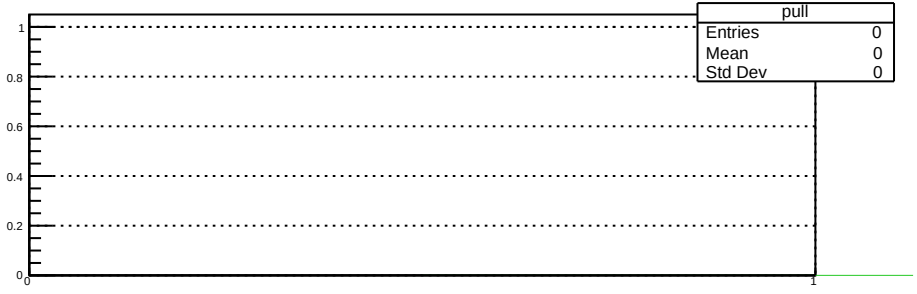

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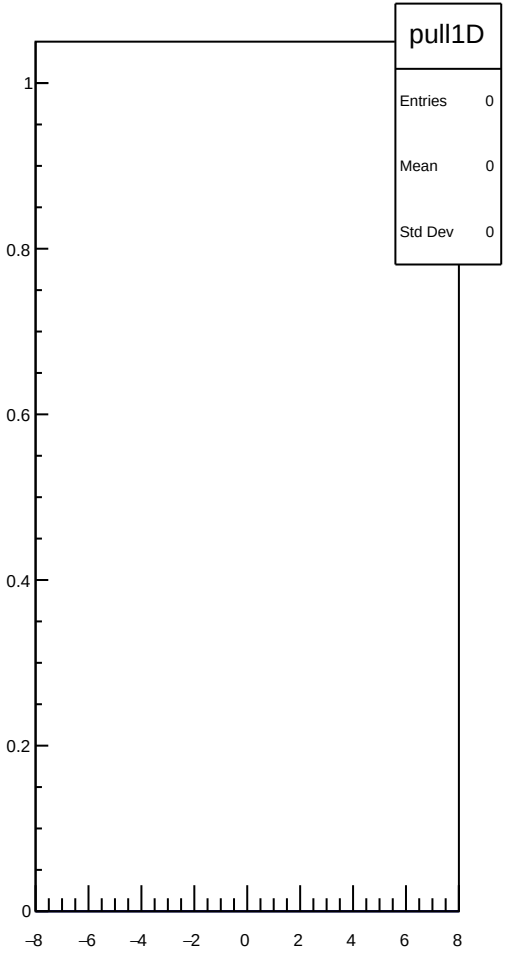

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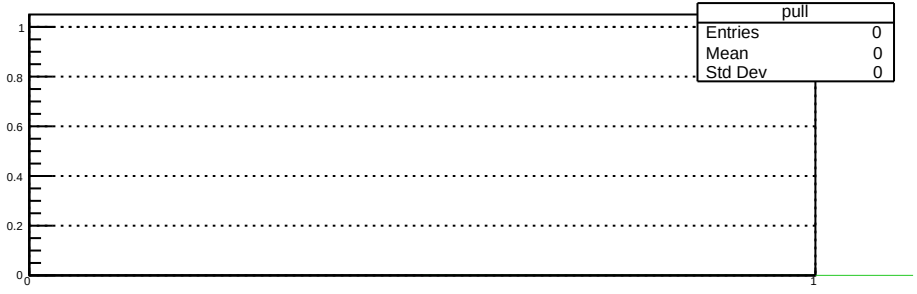

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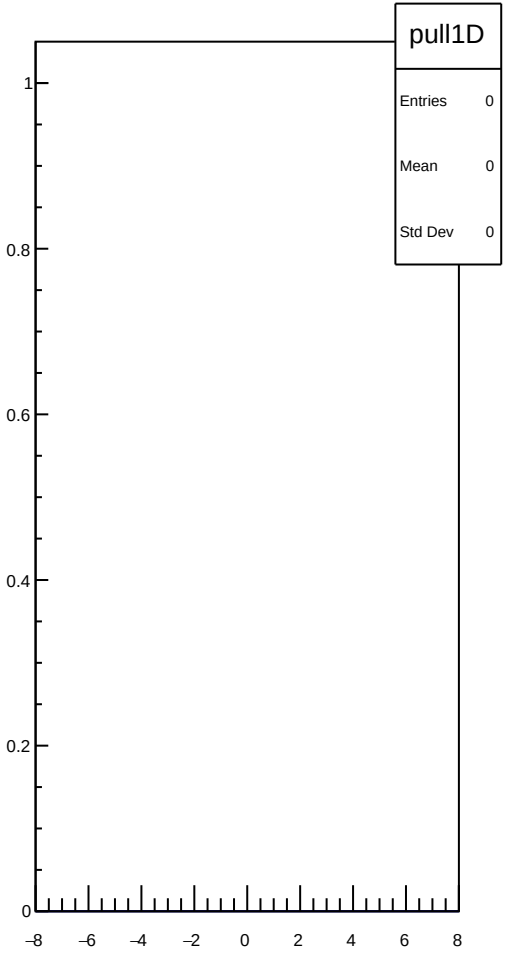

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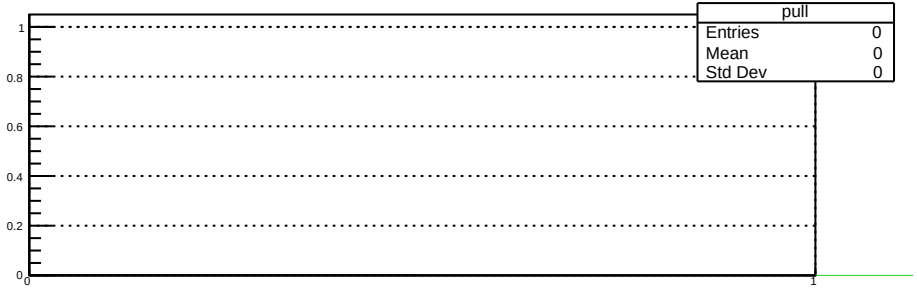

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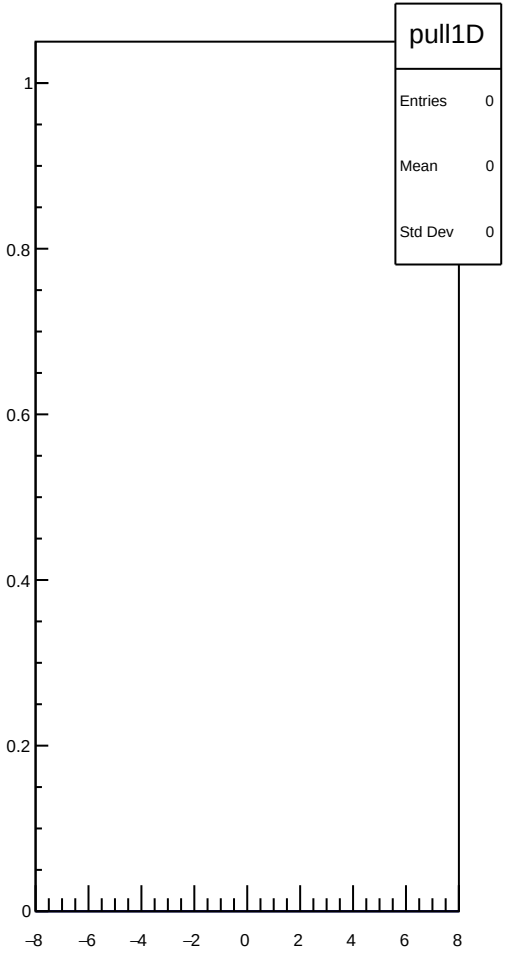

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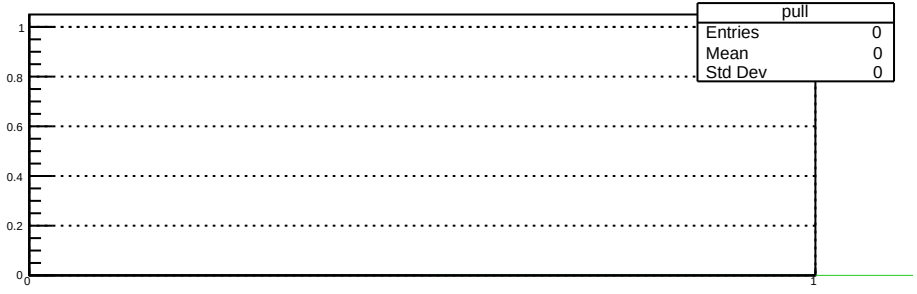

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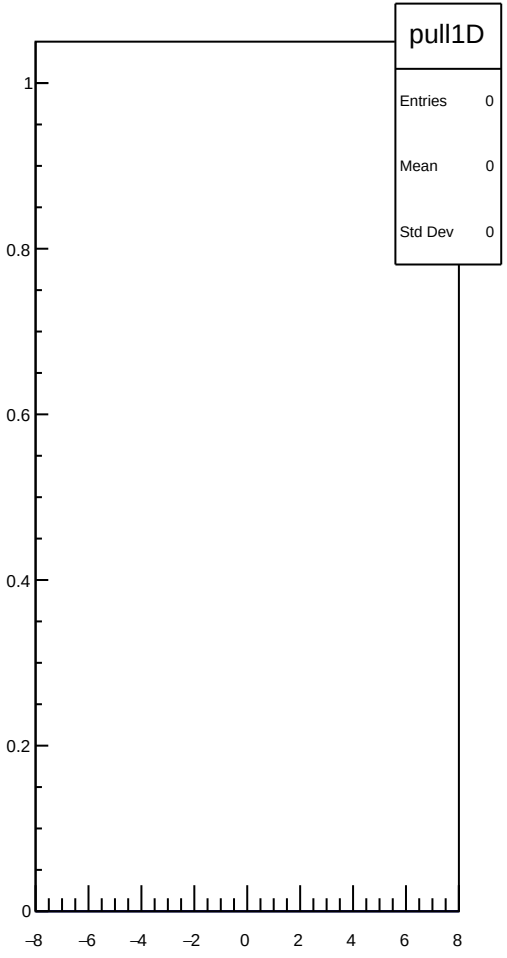

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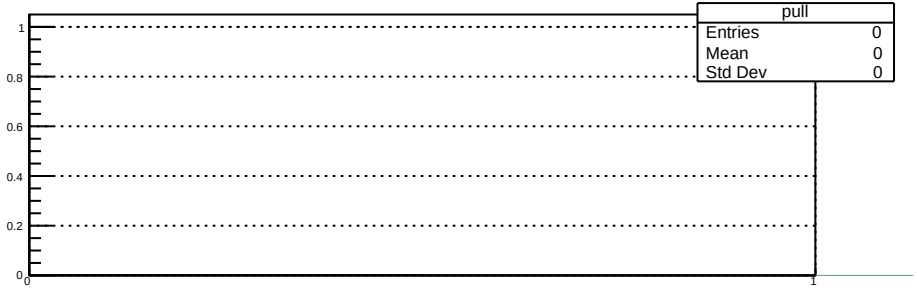

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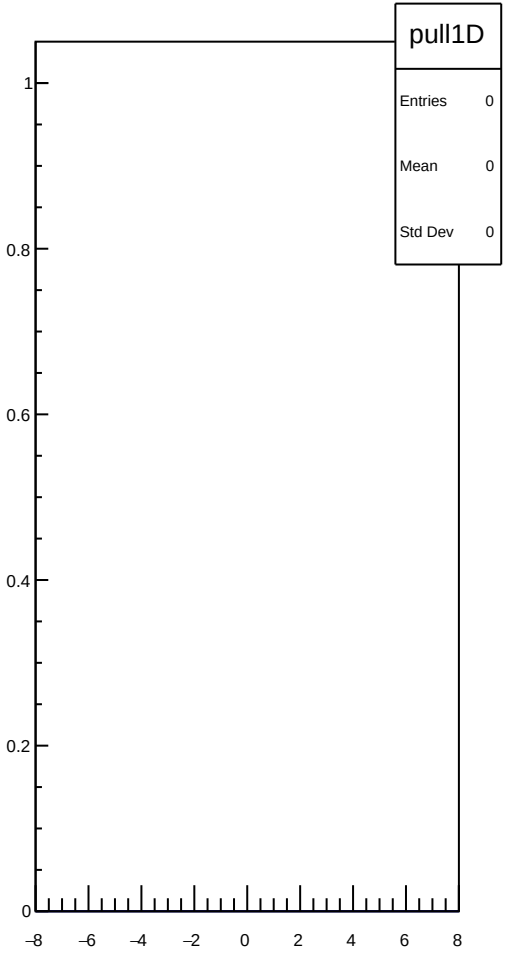

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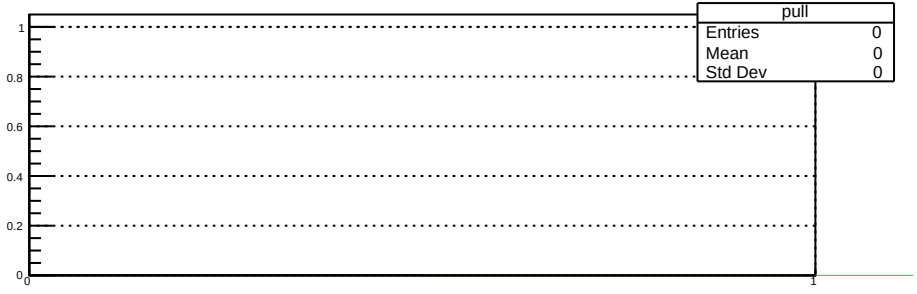

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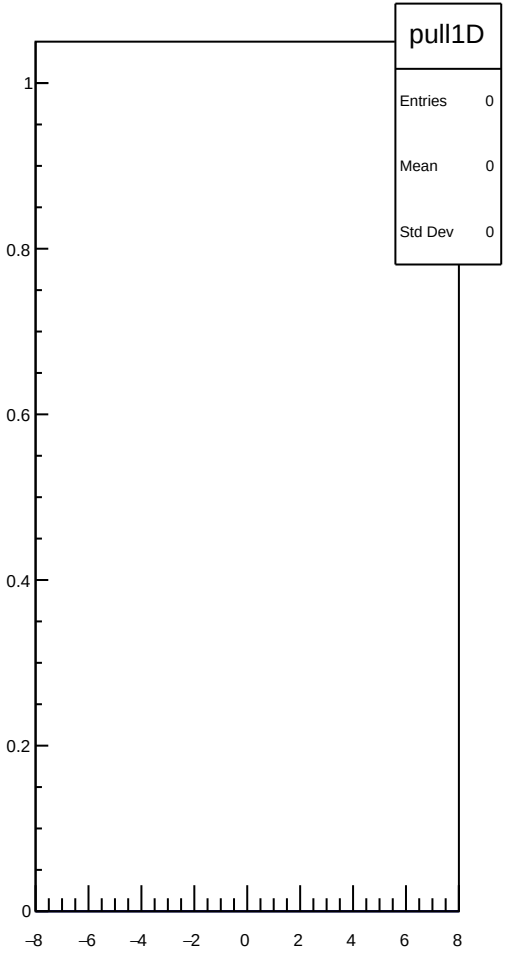

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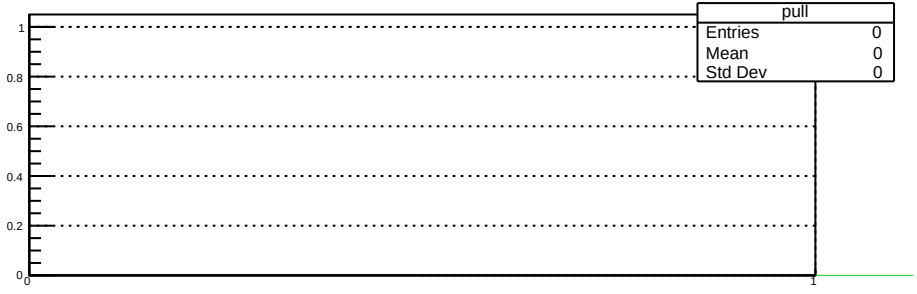

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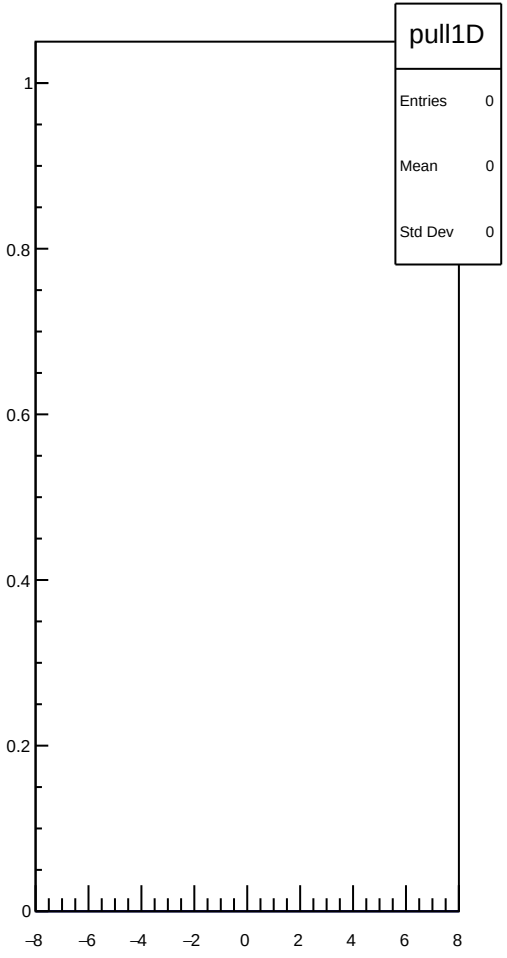

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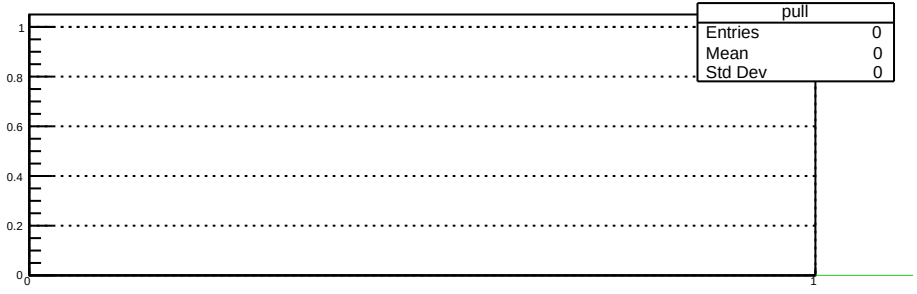

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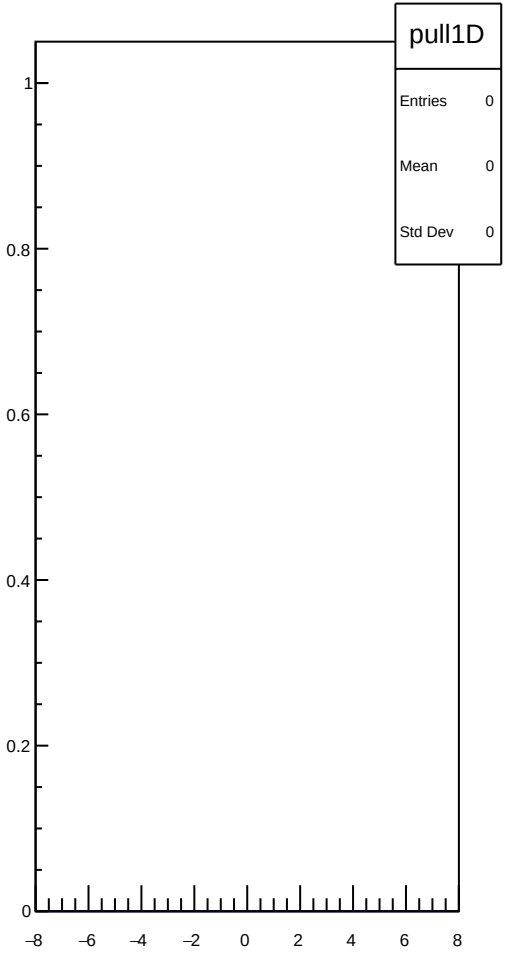

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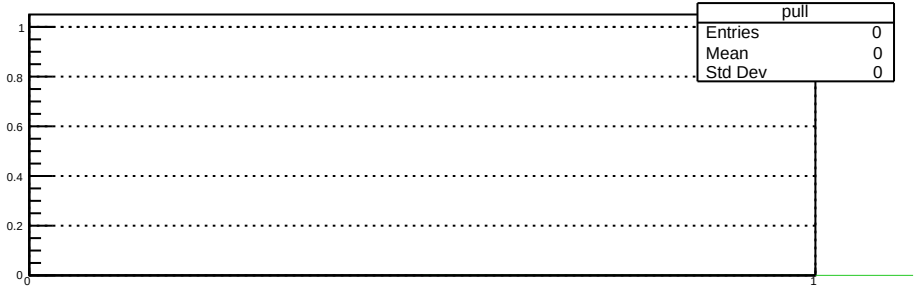

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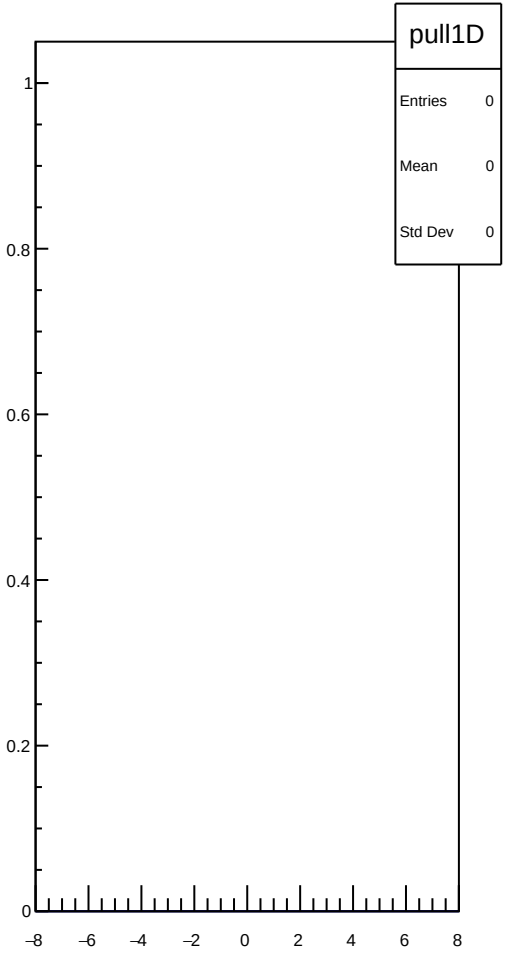

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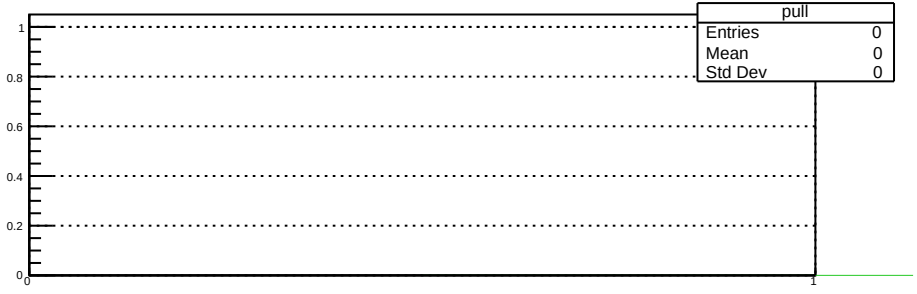

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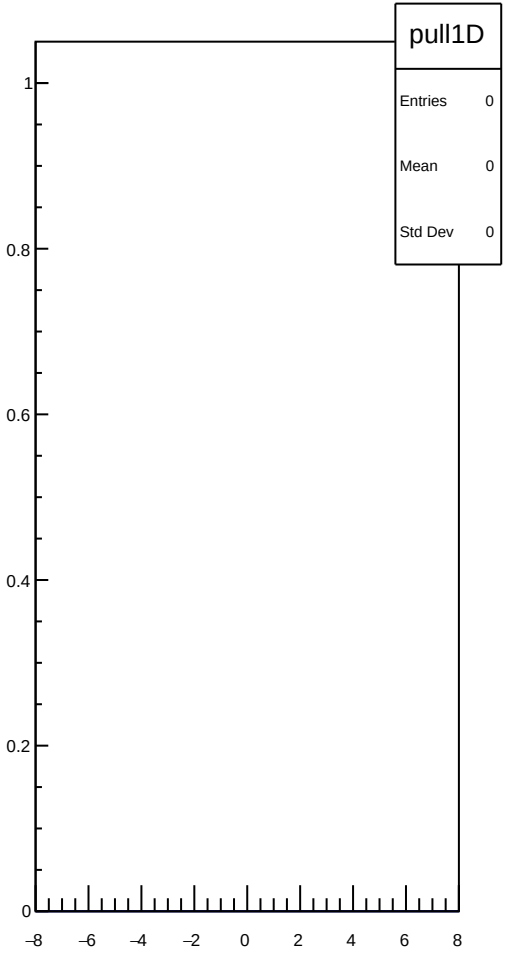

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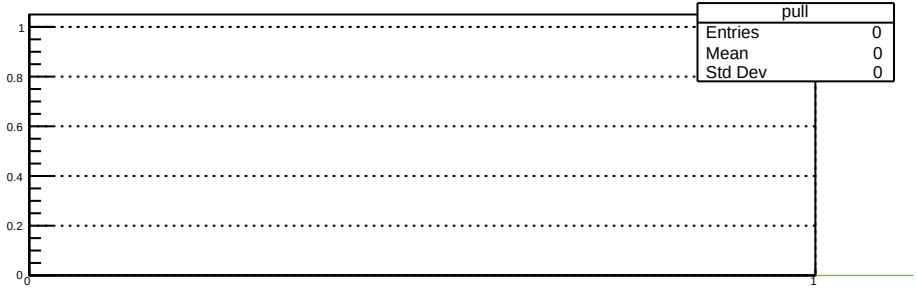

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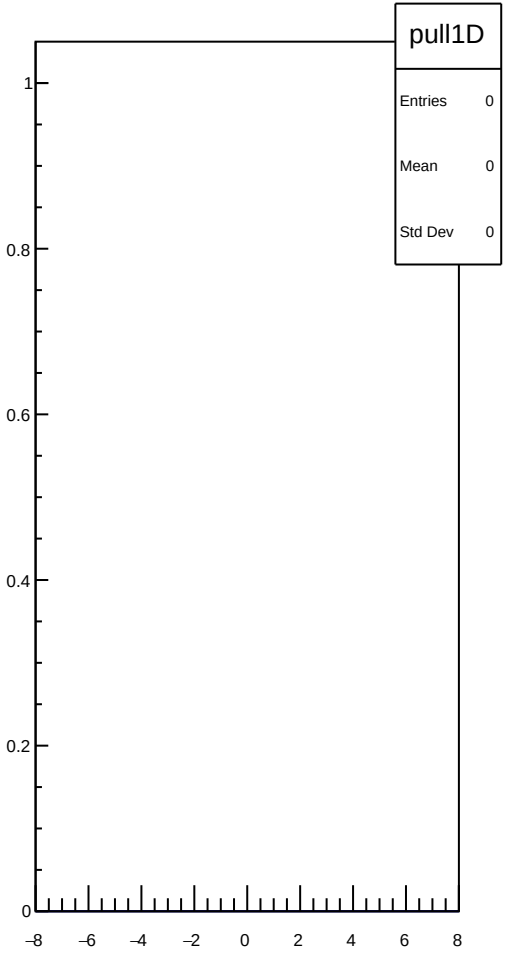

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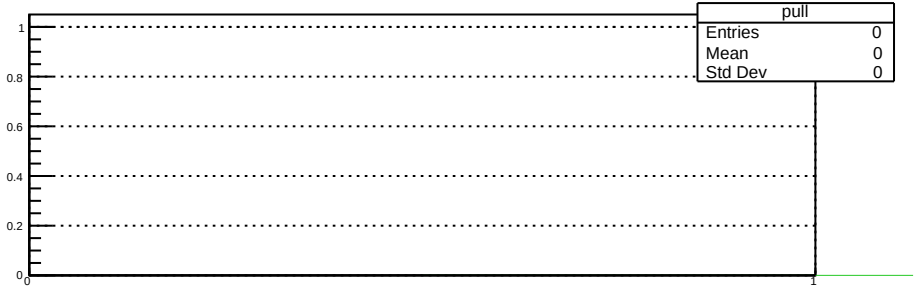

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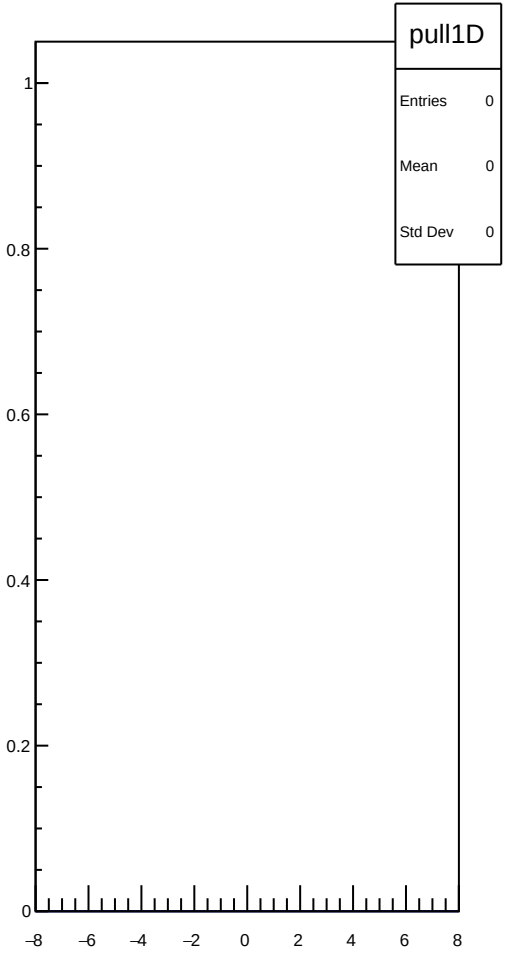

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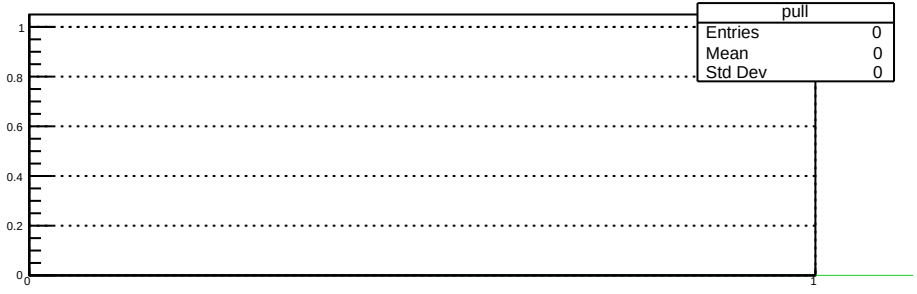

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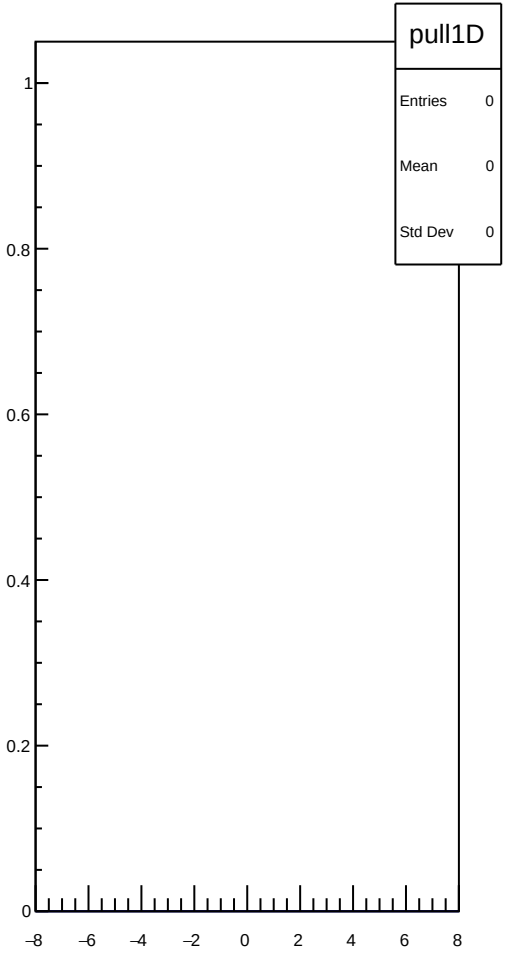

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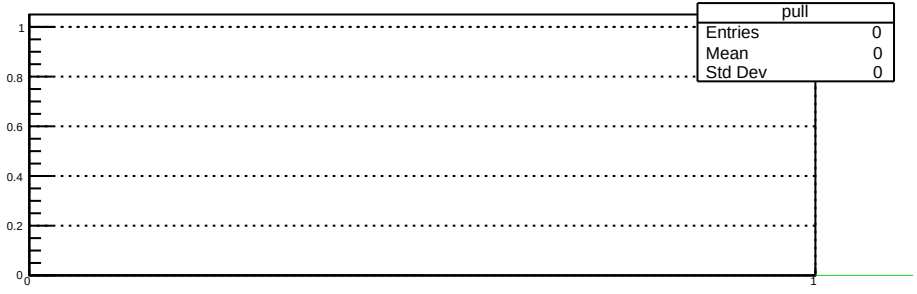

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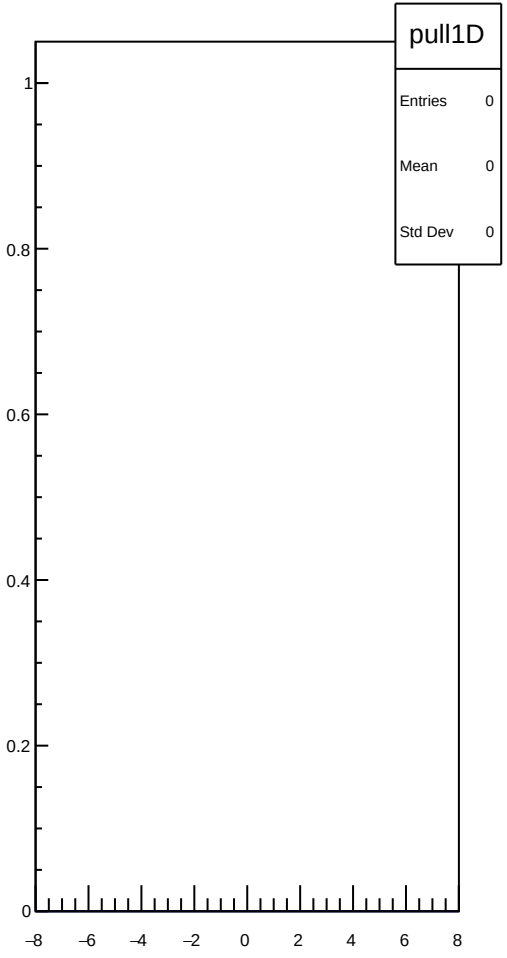

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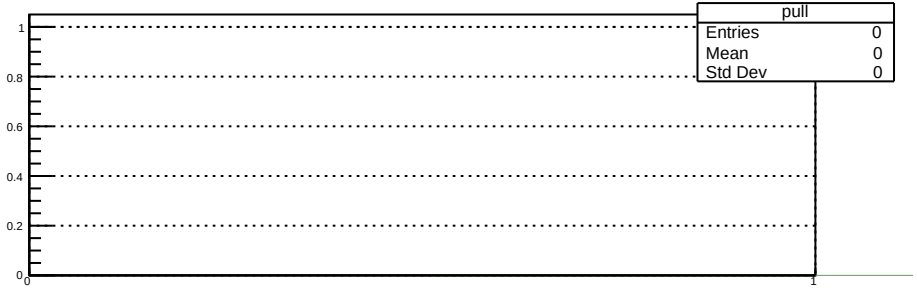

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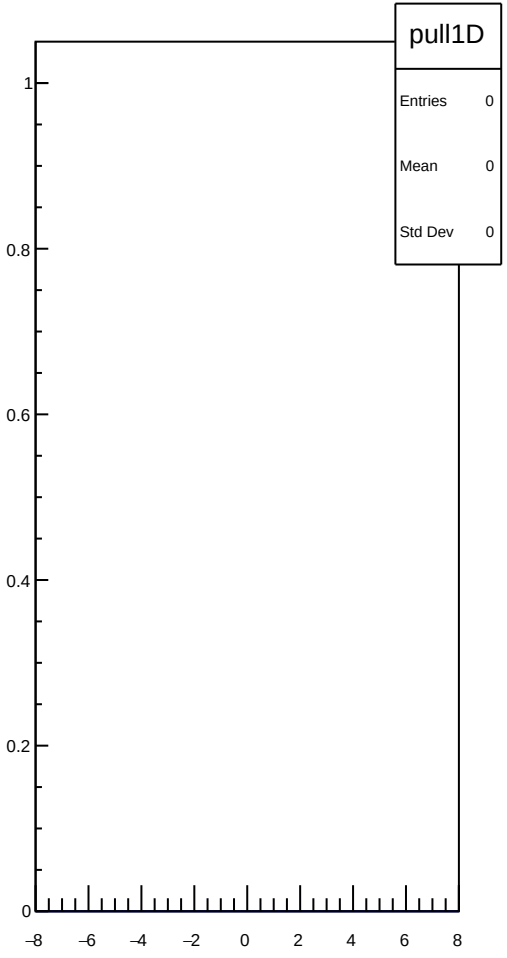

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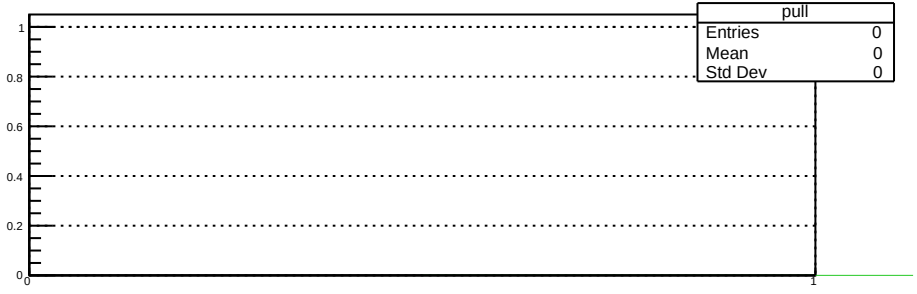

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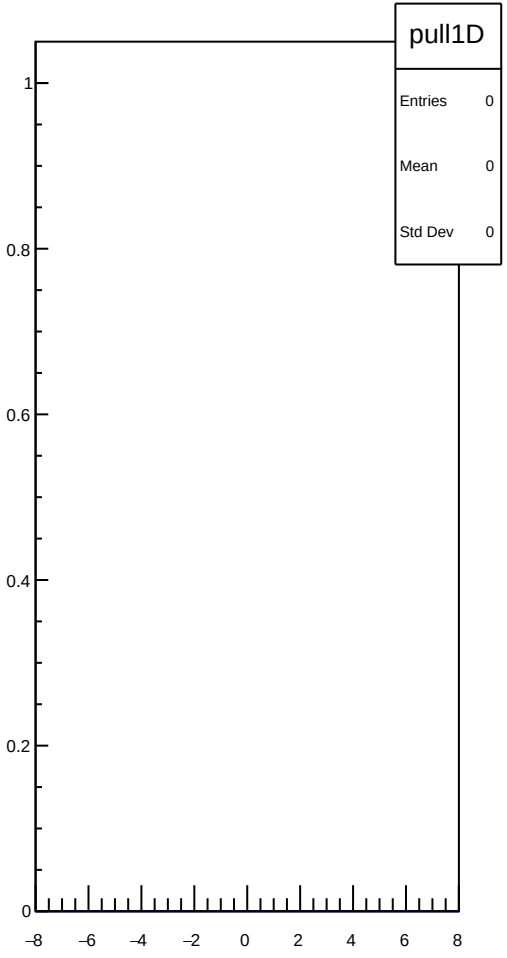

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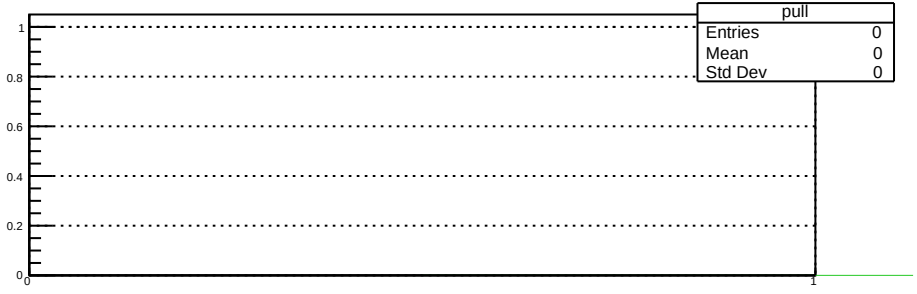

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Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

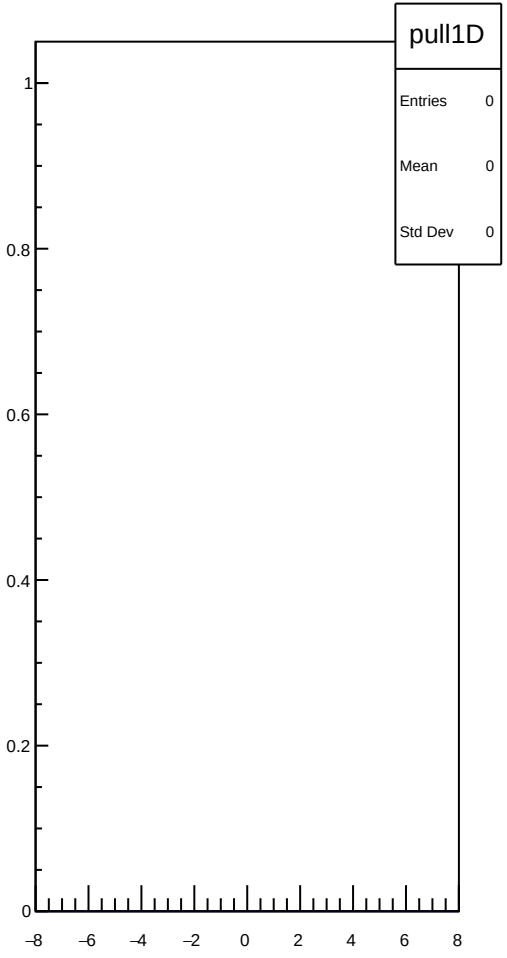

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

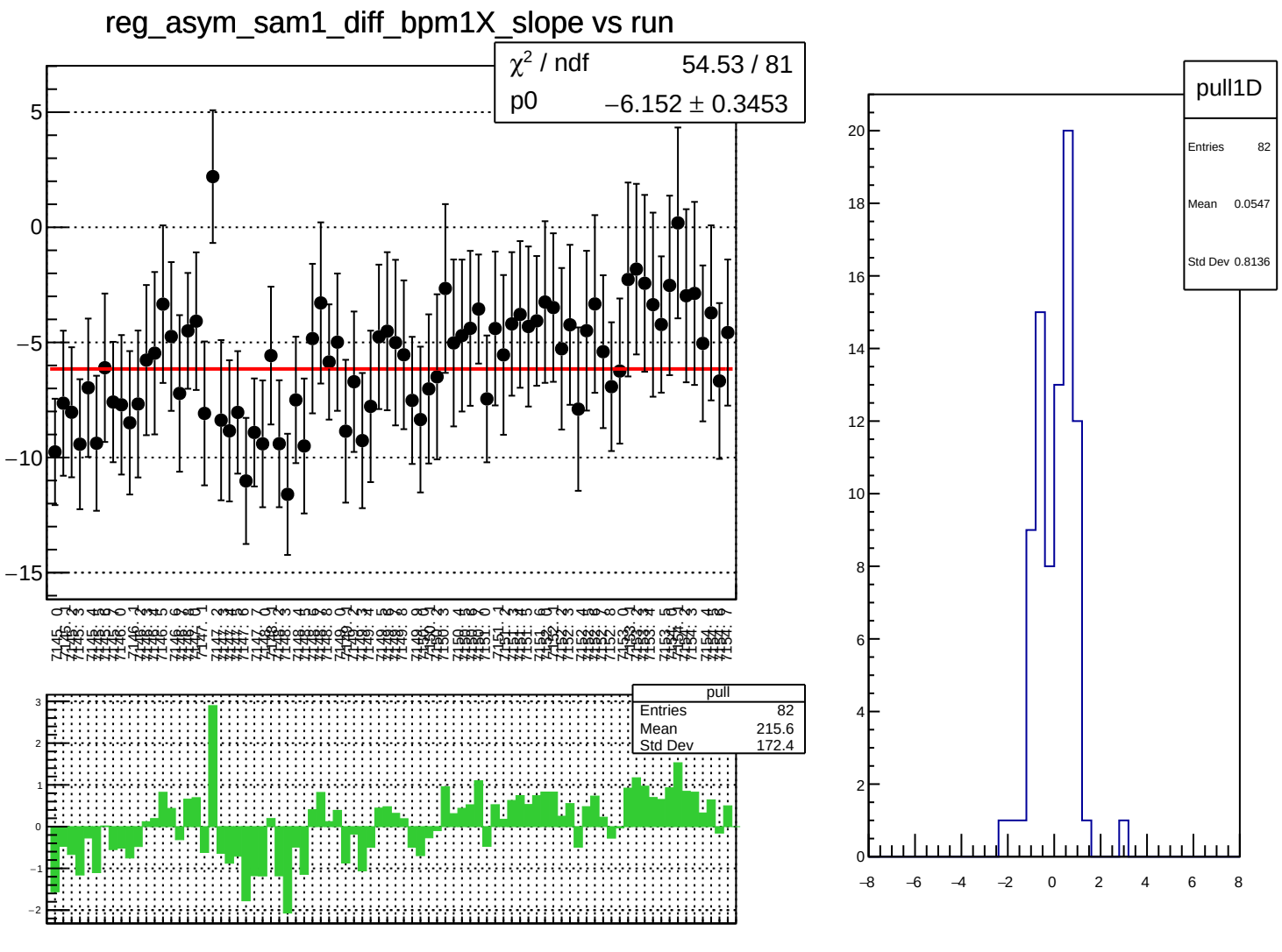

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

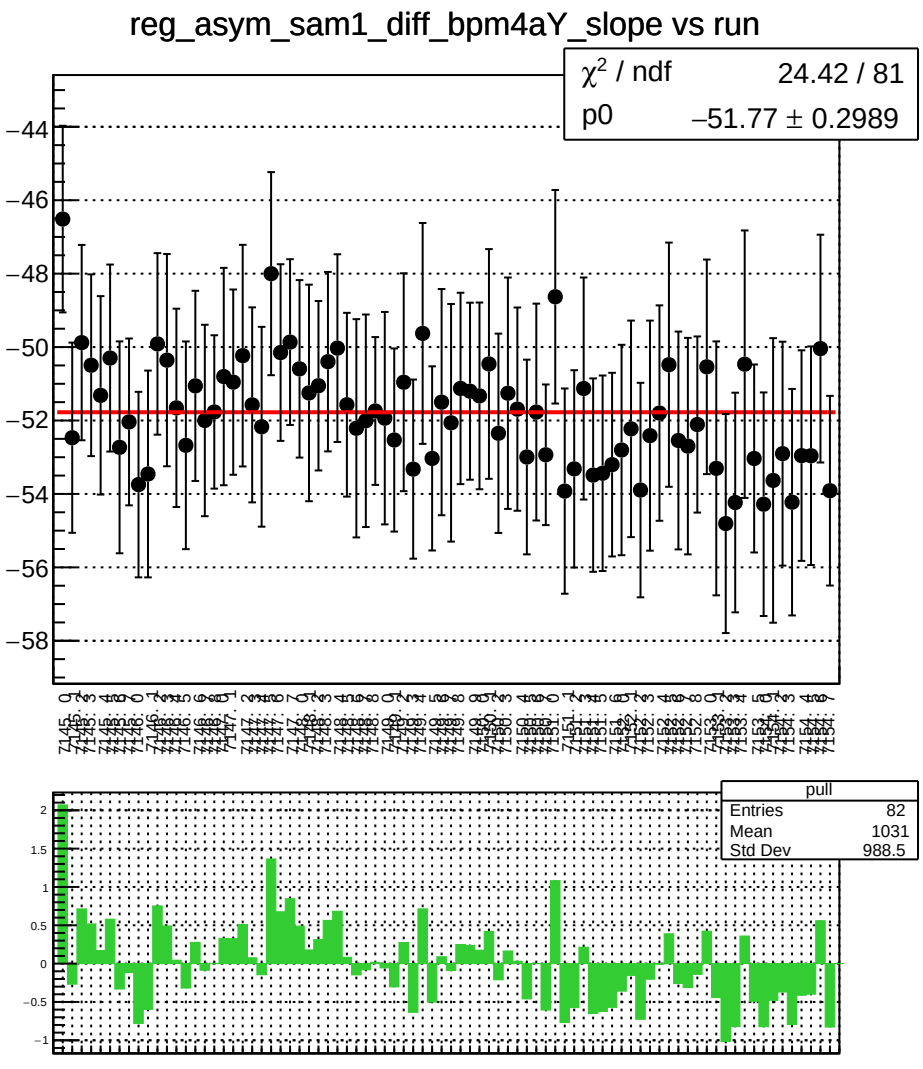

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

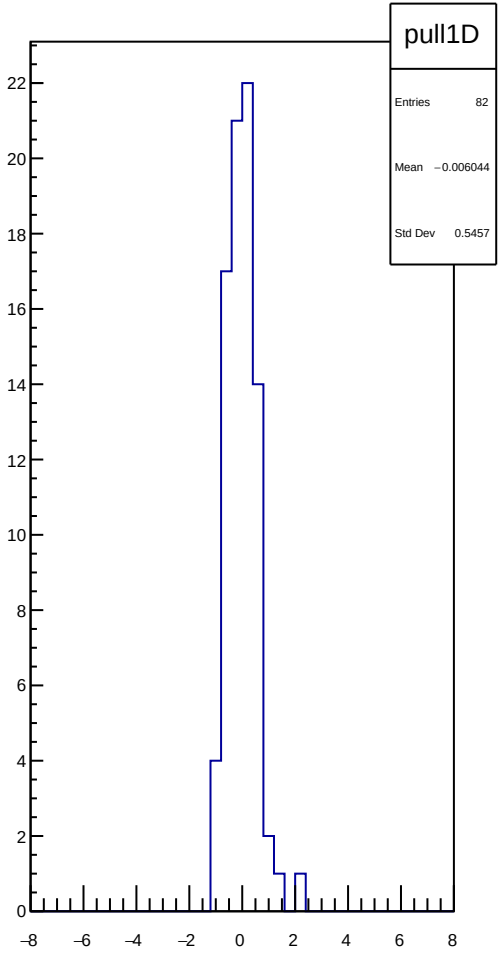

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

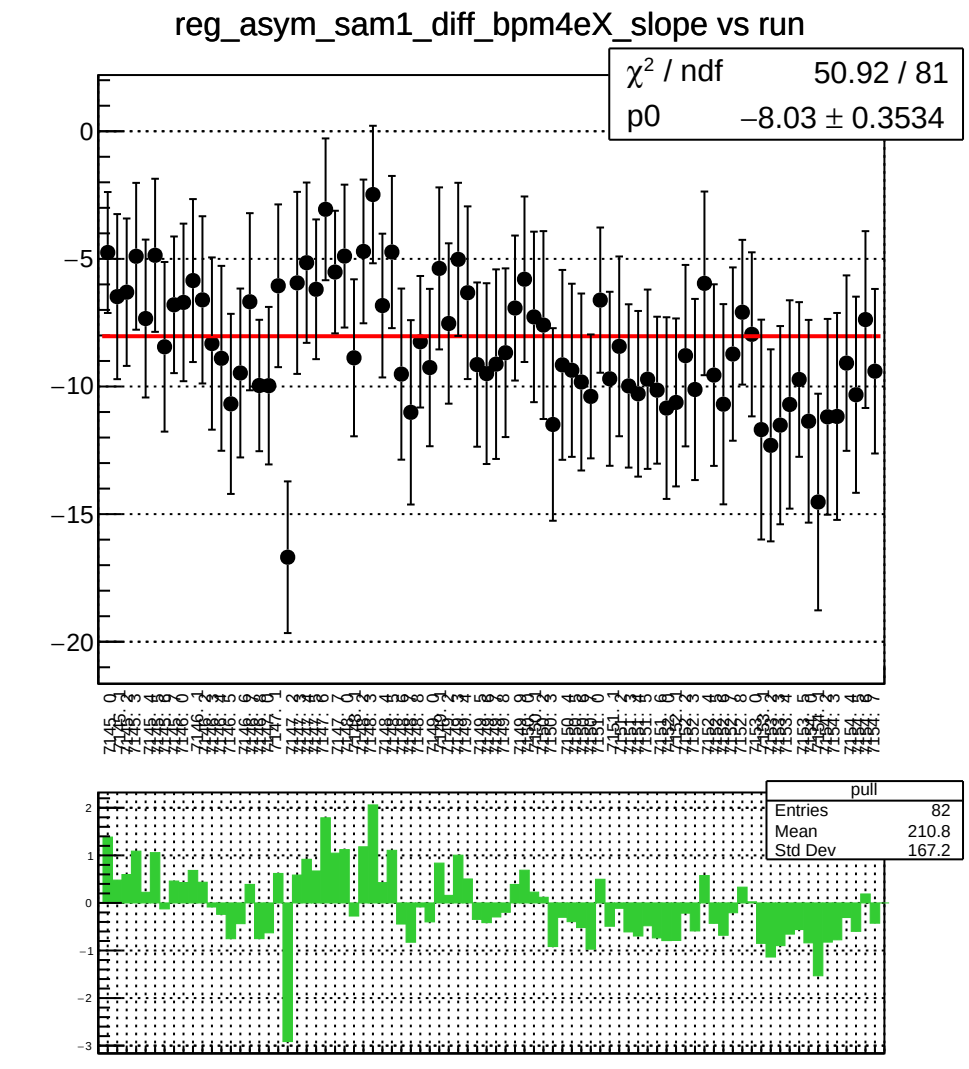

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

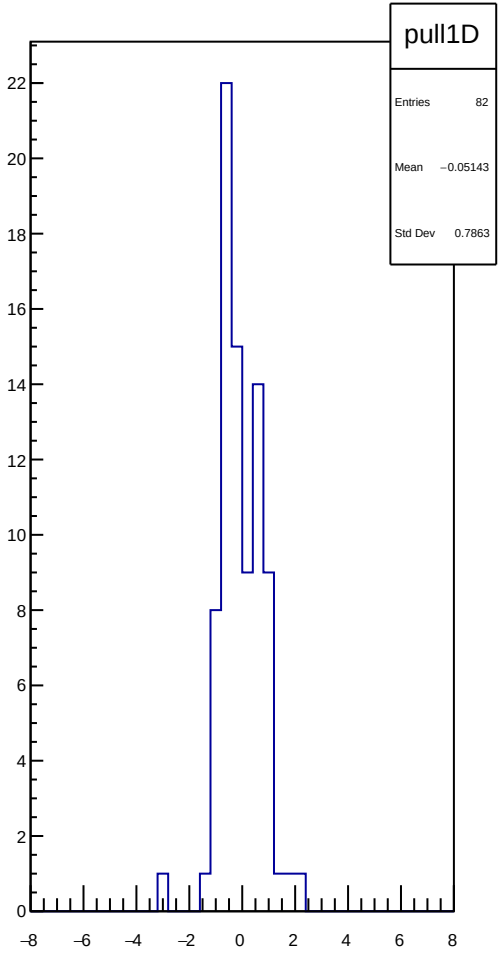

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

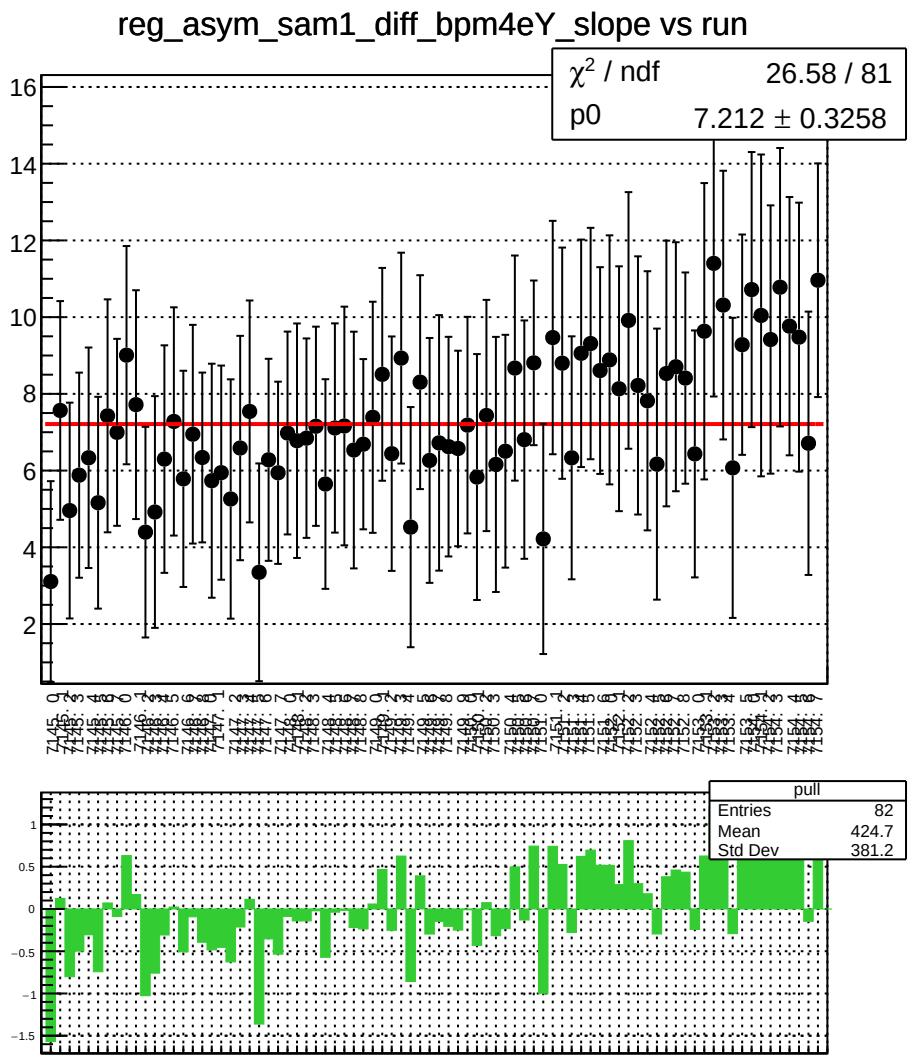

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 54.53 / 81
p0 −6.152 ± 0.3453
pull
Entries 82
Mean 215.6
Std Dev 172.4
pull1D
Entries 82
Mean 0.0547
Std Dev 0.8136

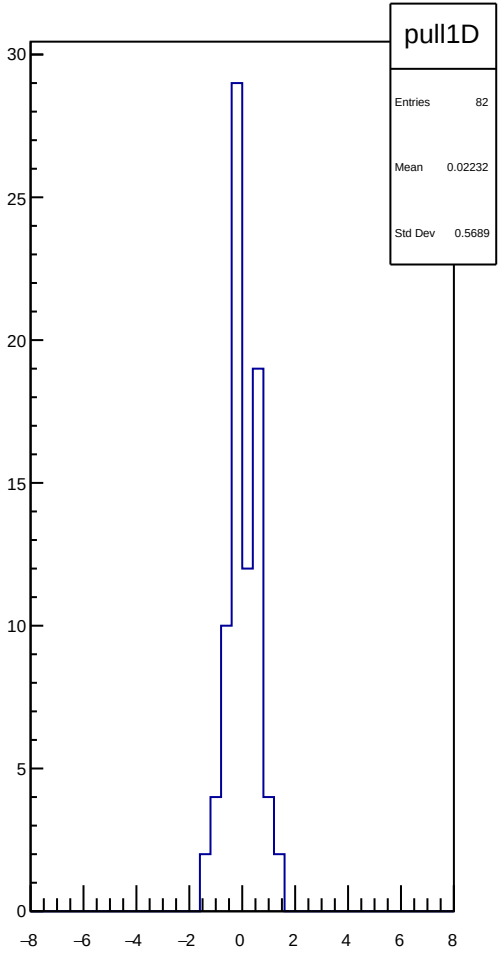

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 24.42 / 81
p0 −51.77 ± 0.2989
pull
Entries 82
Mean 1031
Std Dev 988.5

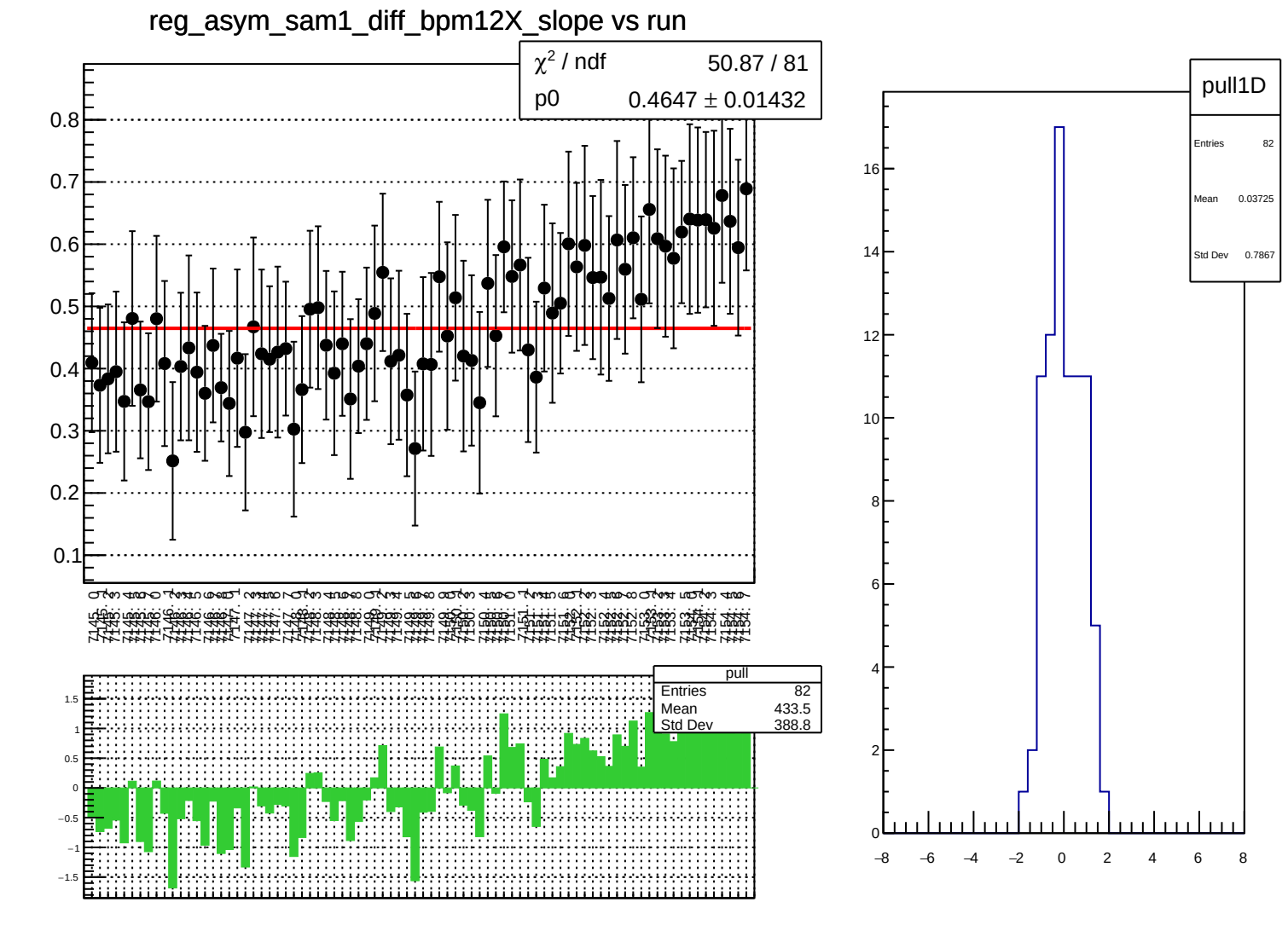

pull1D
Entries 82
Mean −0.006044
Std Dev 0.5457

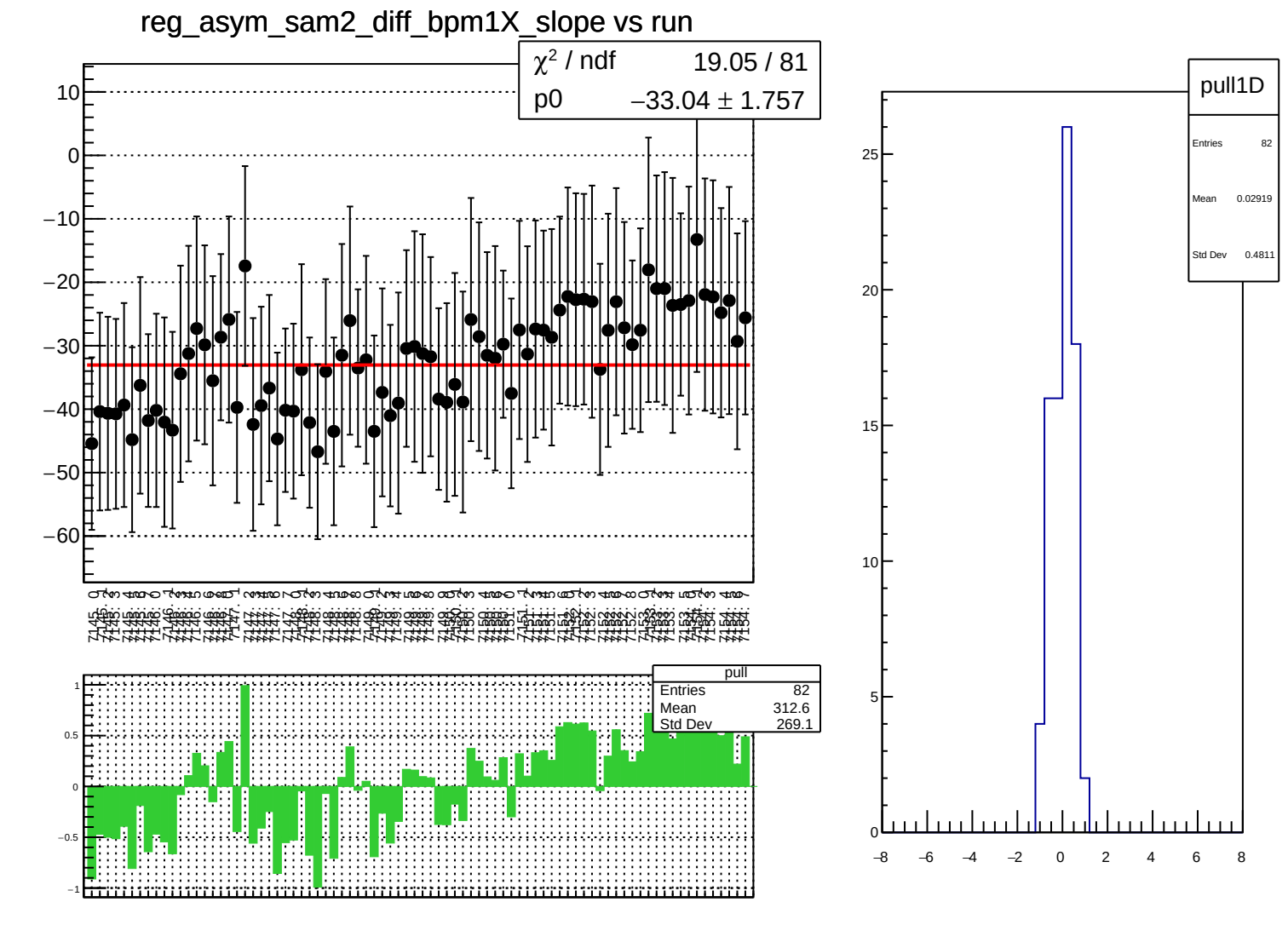

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 50.92 / 81
p0 −8.03 ± 0.3534
pull
Entries 82
Mean 210.8
Std Dev 167.2

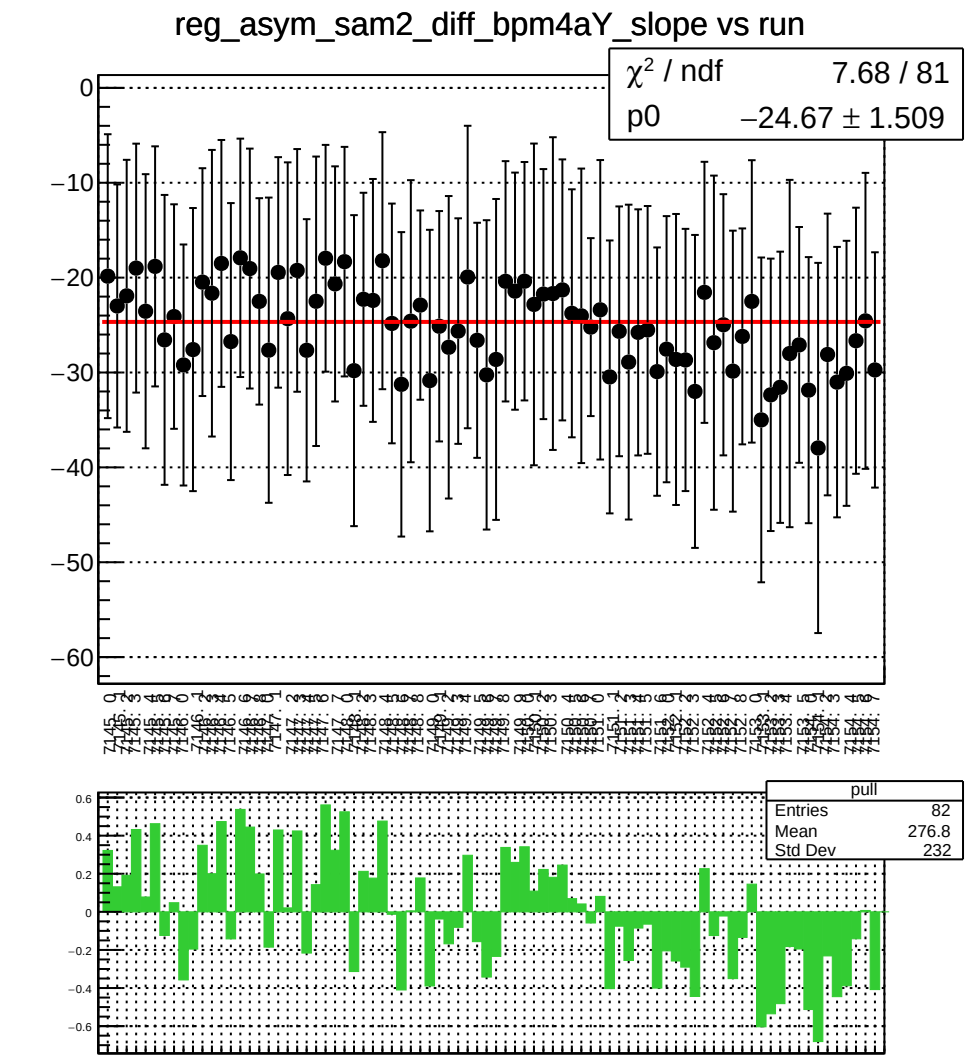

pull1D
Entries 82
Mean −0.05143
Std Dev 0.7863

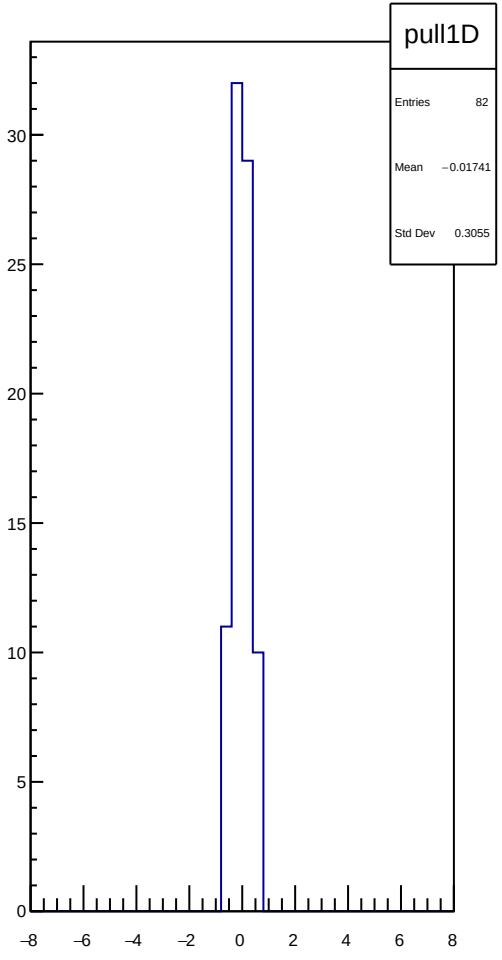

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 26.58 / 81
p0 7.212 ± 0.3258
pull
Entries 82
Mean 424.7
Std Dev 381.2

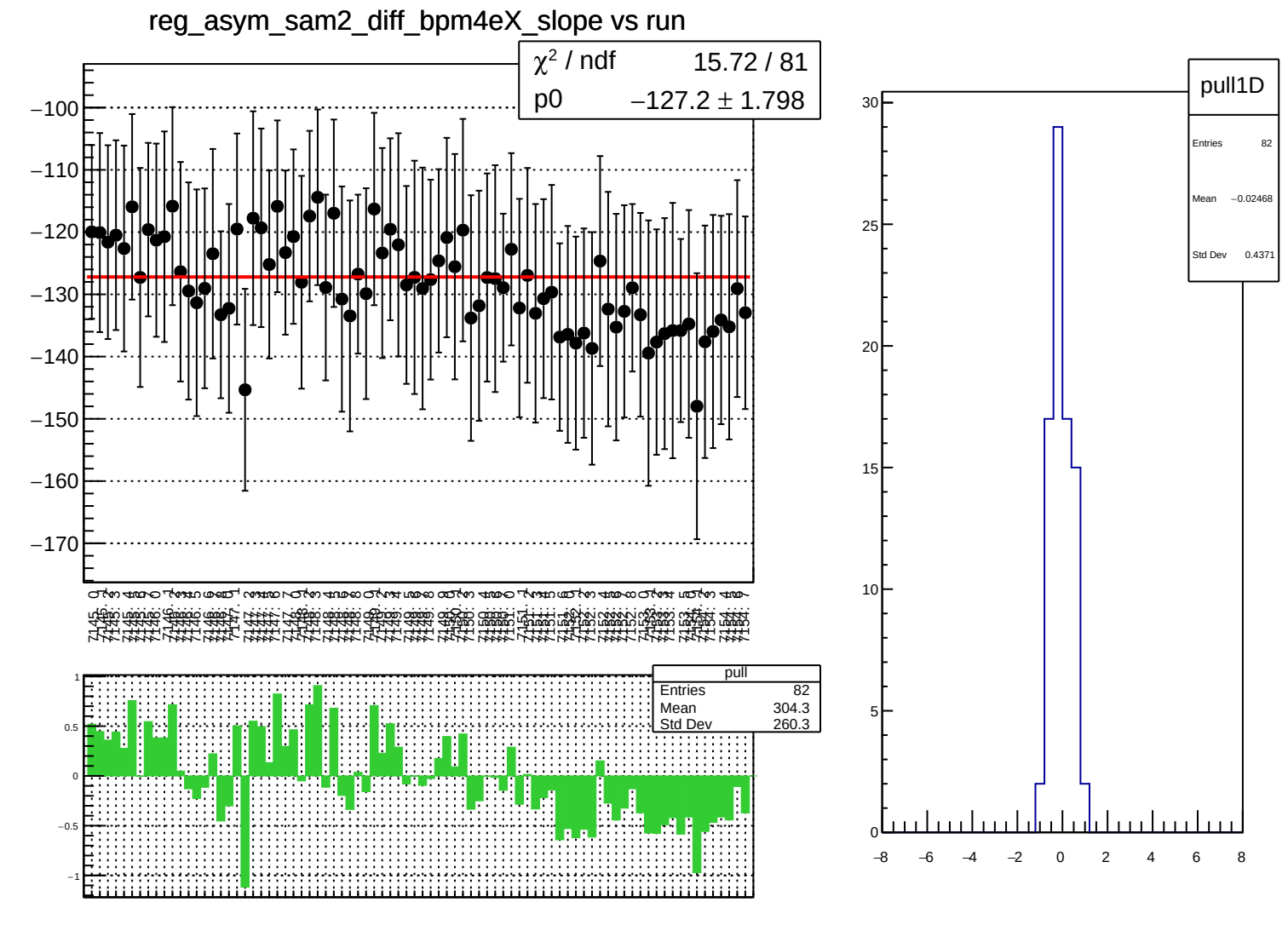

pull1D
Entries 82
Mean 0.02232
Std Dev 0.5689

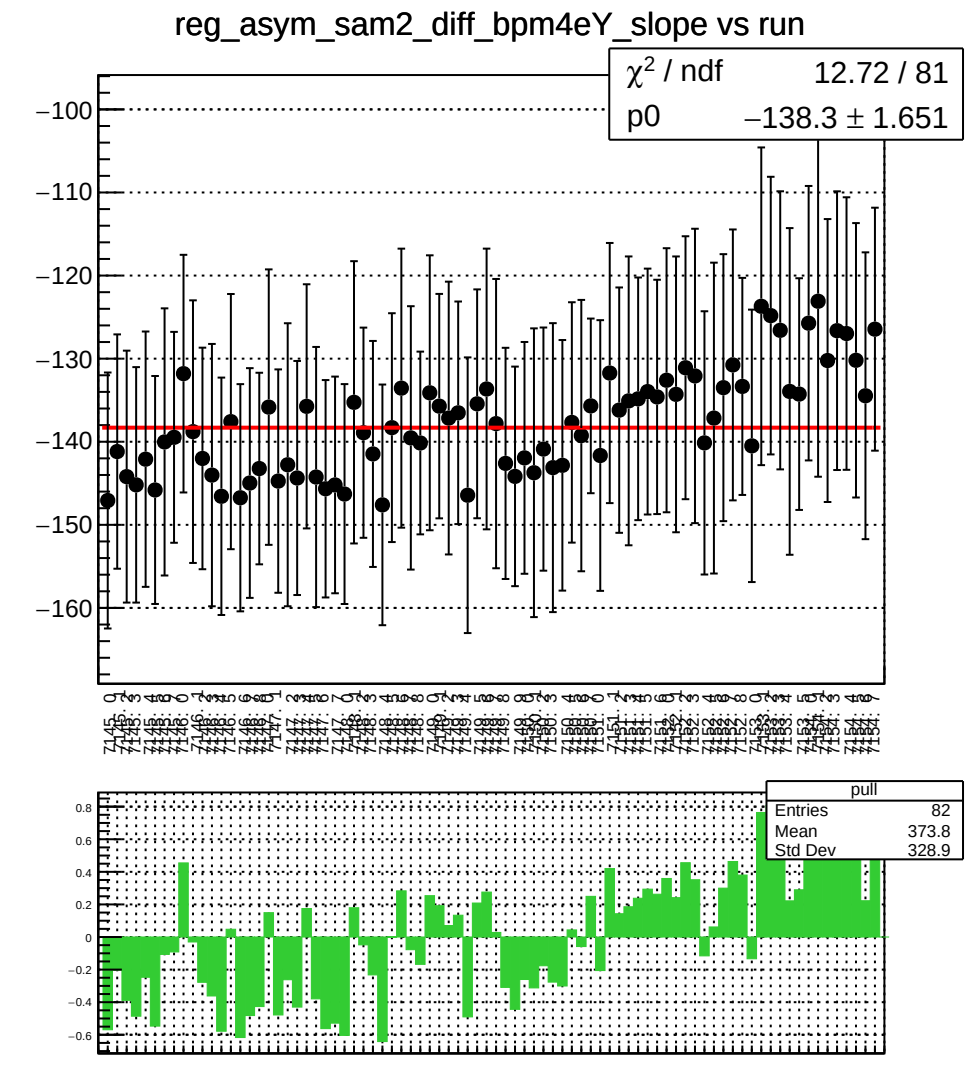

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 50.87 / 81
p0 0.4647 ± 0.01432
pull
Entries 82
Mean 433.5
Std Dev 388.8
pull1D
Entries 82
Mean 0.03725
Std Dev 0.7867

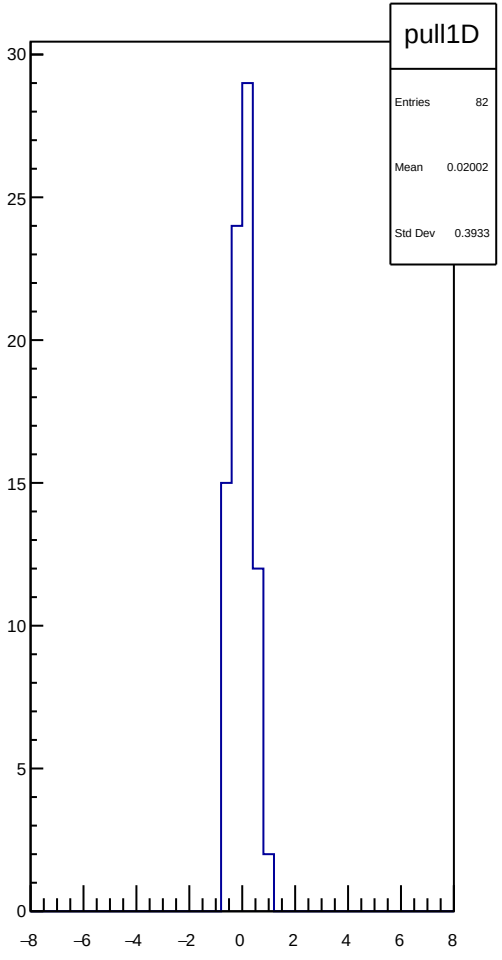

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 19.05 / 81
p0 −33.04 ± 1.757
pull
Entries 82
Mean 312.6
Std Dev 269.1
pull1D
Entries 82
Mean 0.02919
Std Dev 0.4811

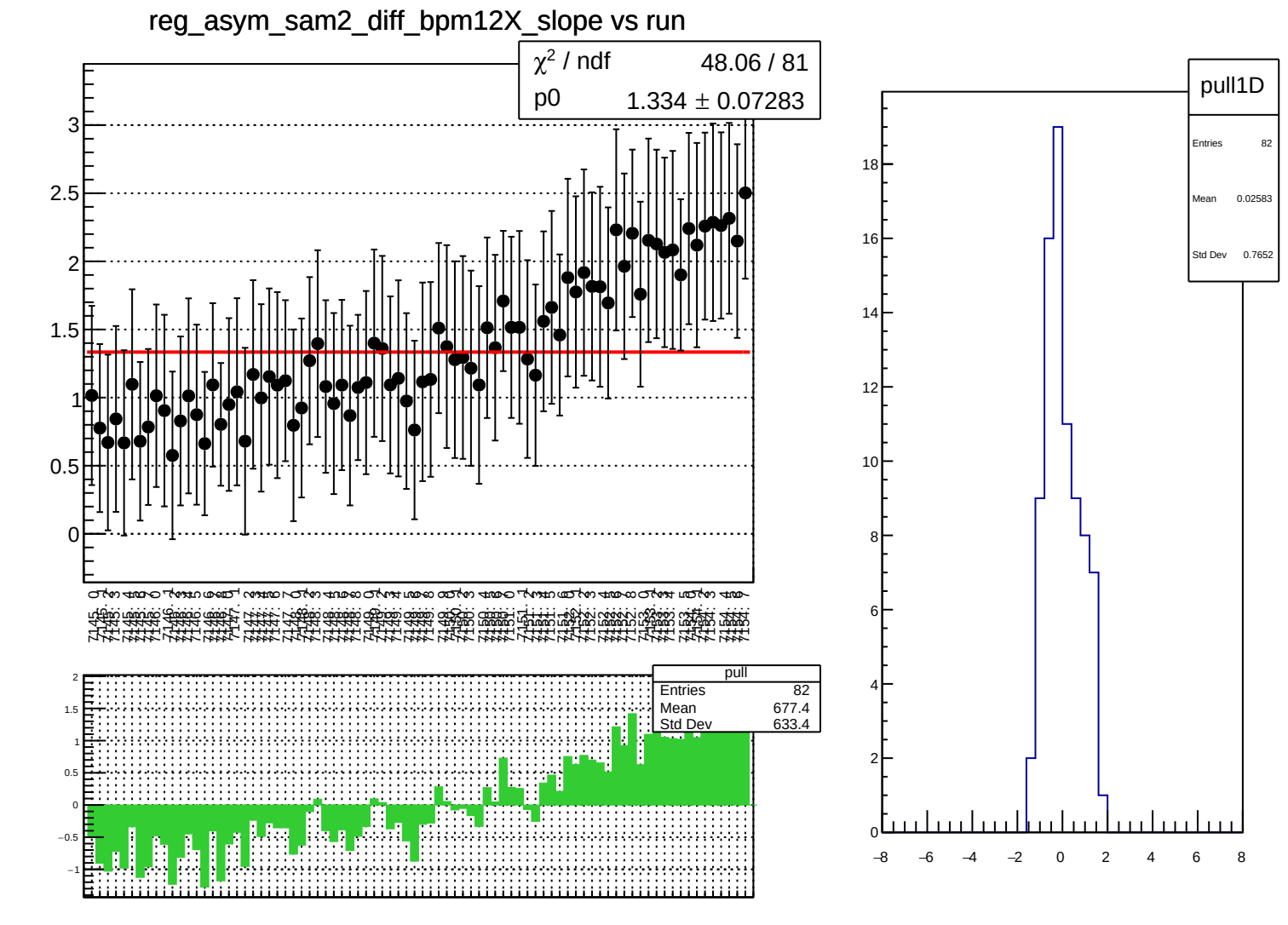

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.68 / 81
p0 −24.67 ± 1.509
pull
Entries 82
Mean 276.8
Std Dev 232

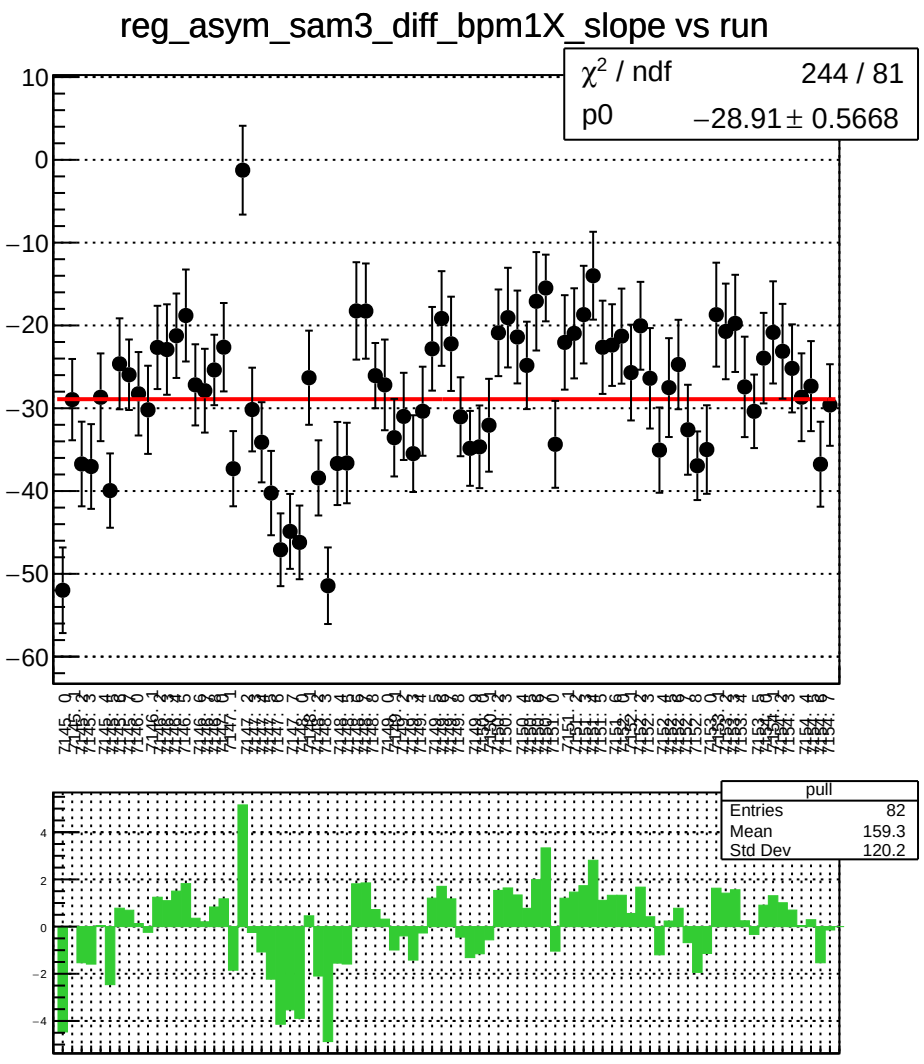

pull1D
Entries 82
Mean −0.01741
Std Dev 0.3055

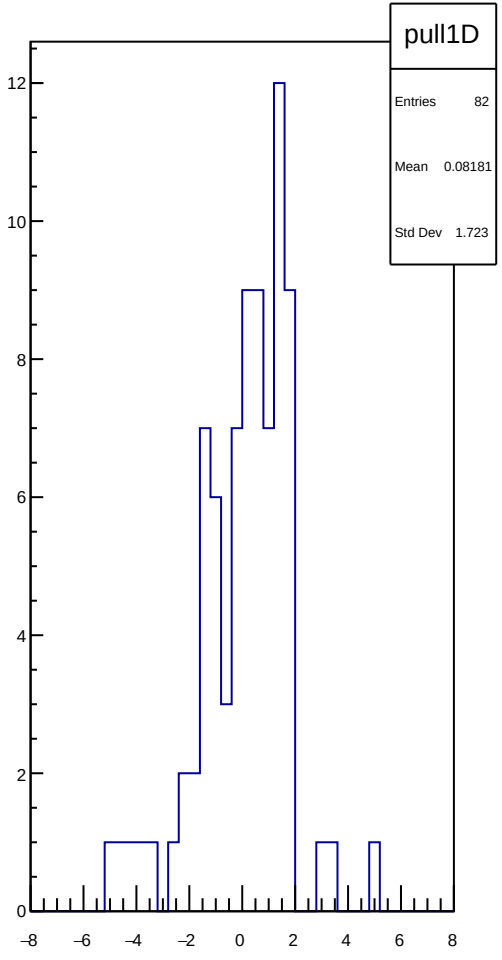

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.72 / 81
p0 −127.2 ± 1.798
pull
Entries 82
Mean 304.3
Std Dev 260.3
pull1D
Entries 82
Mean −0.02468
Std Dev 0.4371

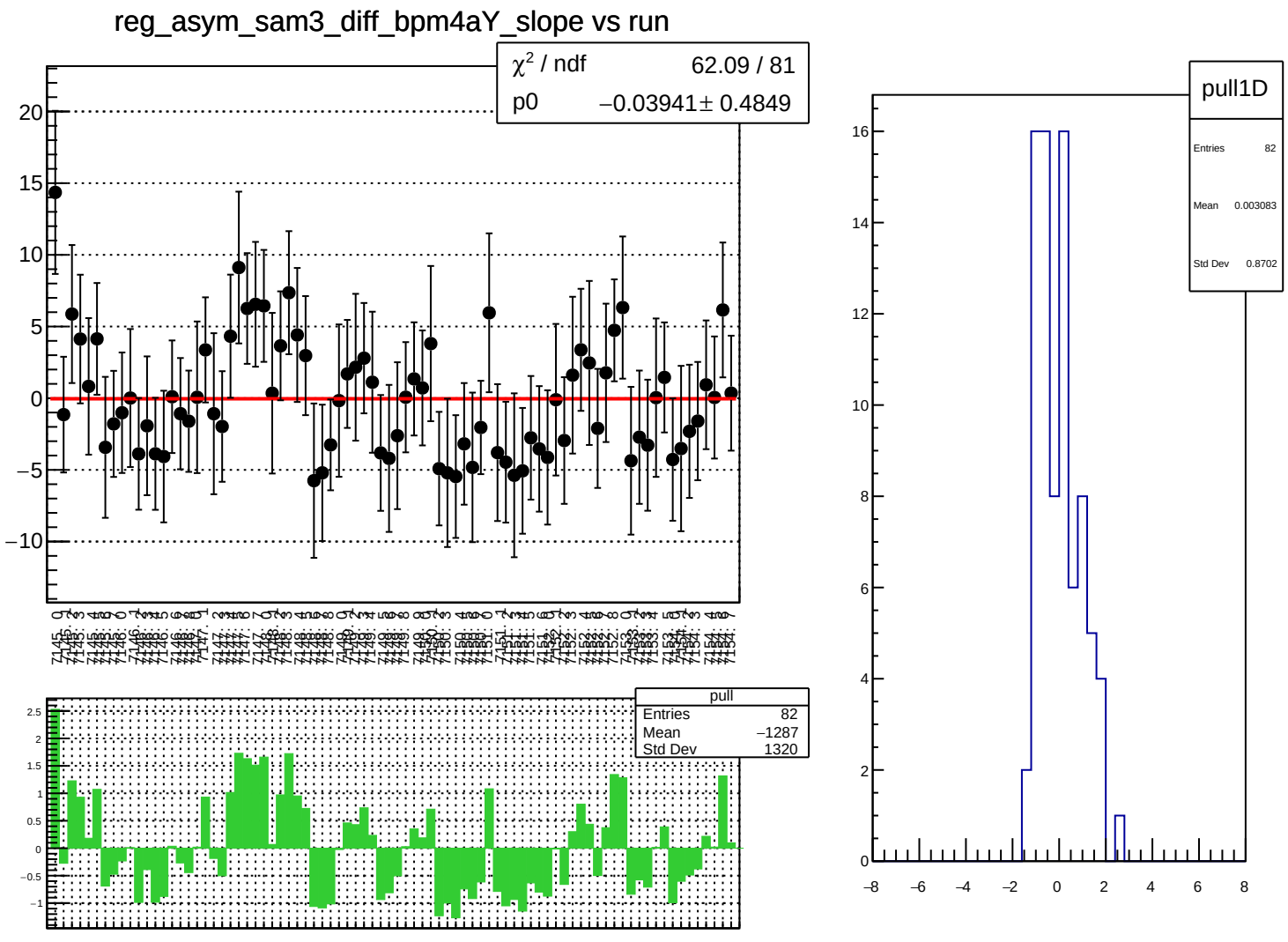

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 12.72 / 81
p0 −138.3 ± 1.651
pull
Entries 82
Mean 373.8
Std Dev 328.9

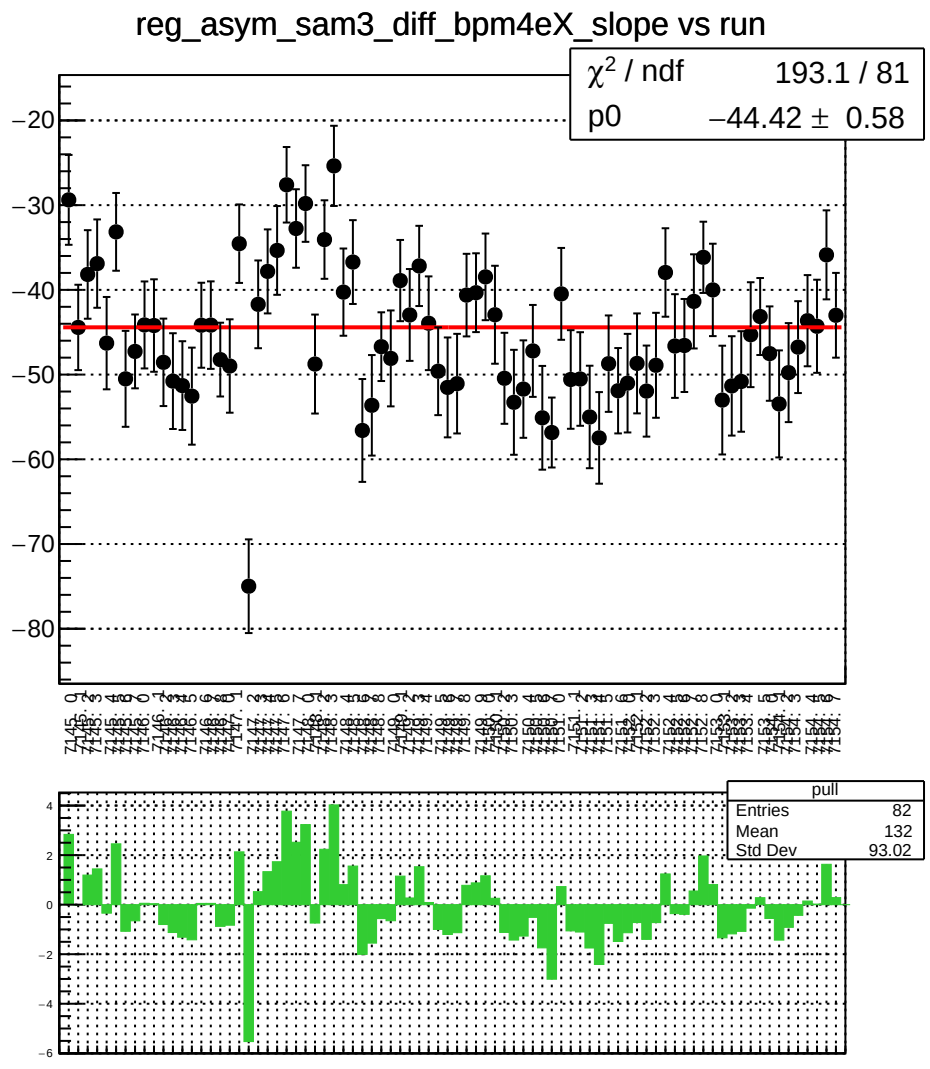

pull1D
Entries 82
Mean 0.02002
Std Dev 0.3933

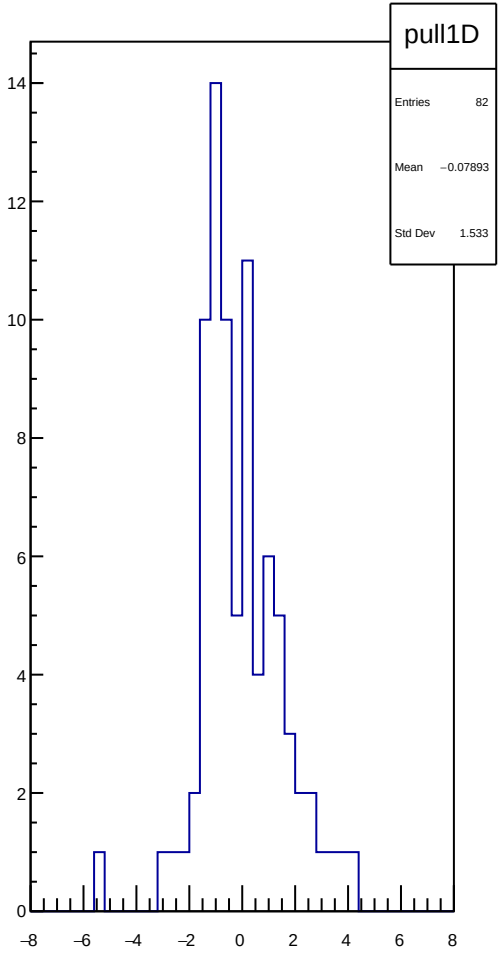

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 48.06 / 81
p0 1.334 ± 0.07283
pull
Entries 82
Mean 677.4
Std Dev 633.4
pull1D
Entries 82
Mean 0.02583
Std Dev 0.7652

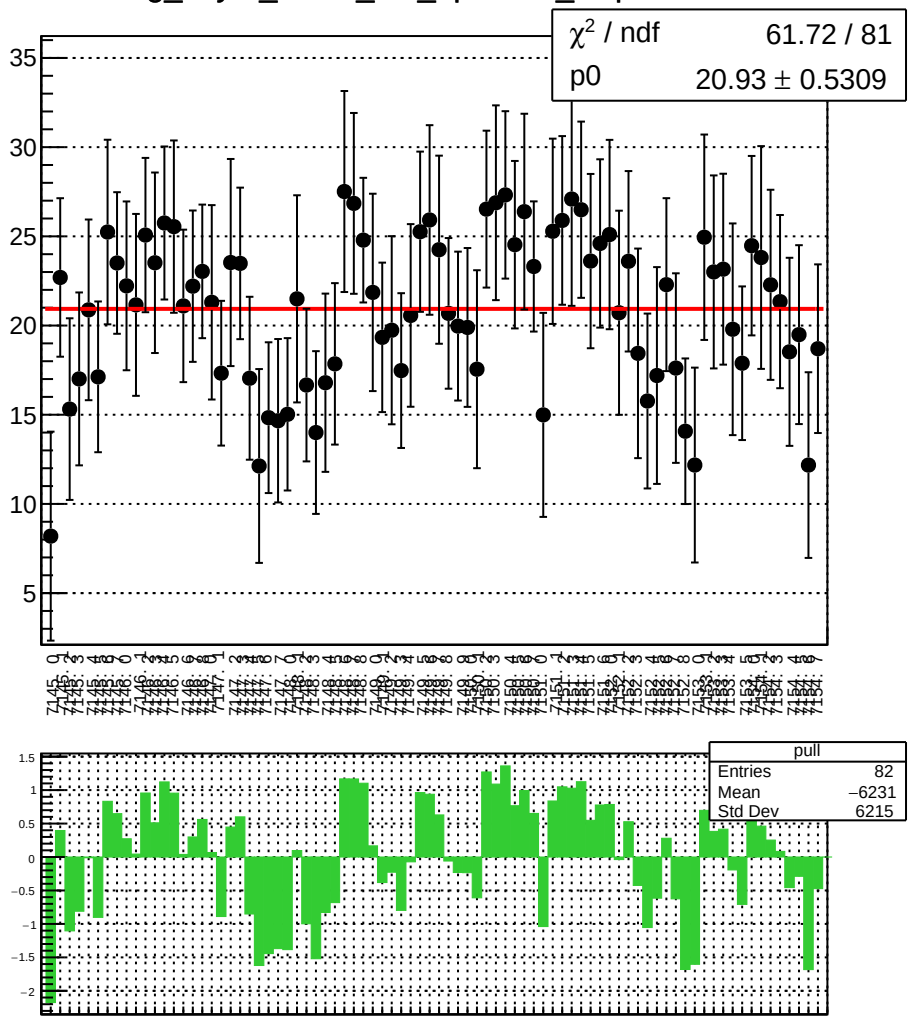

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 244 / 81
p0 −28.91 ± 0.5668
pull
Entries 82
Mean 159.3
Std Dev 120.2

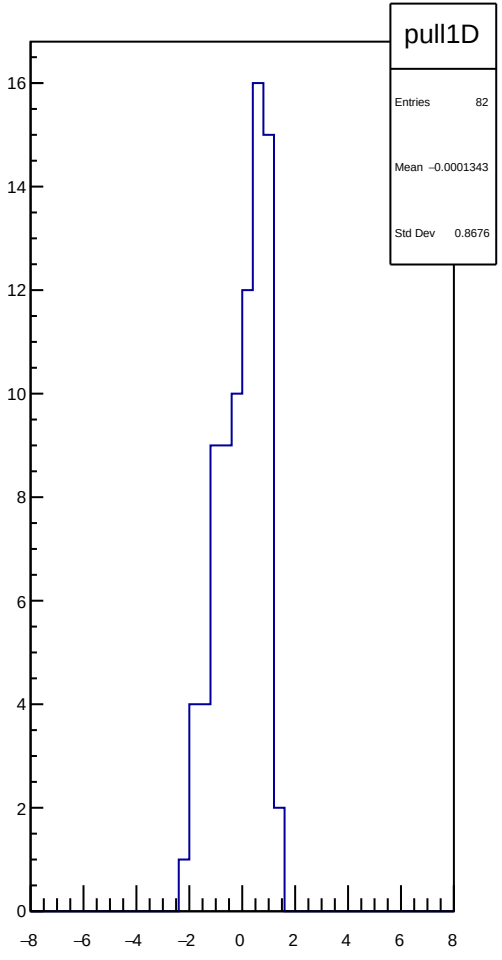

pull1D
Entries 82
Mean 0.08181
Std Dev 1.723

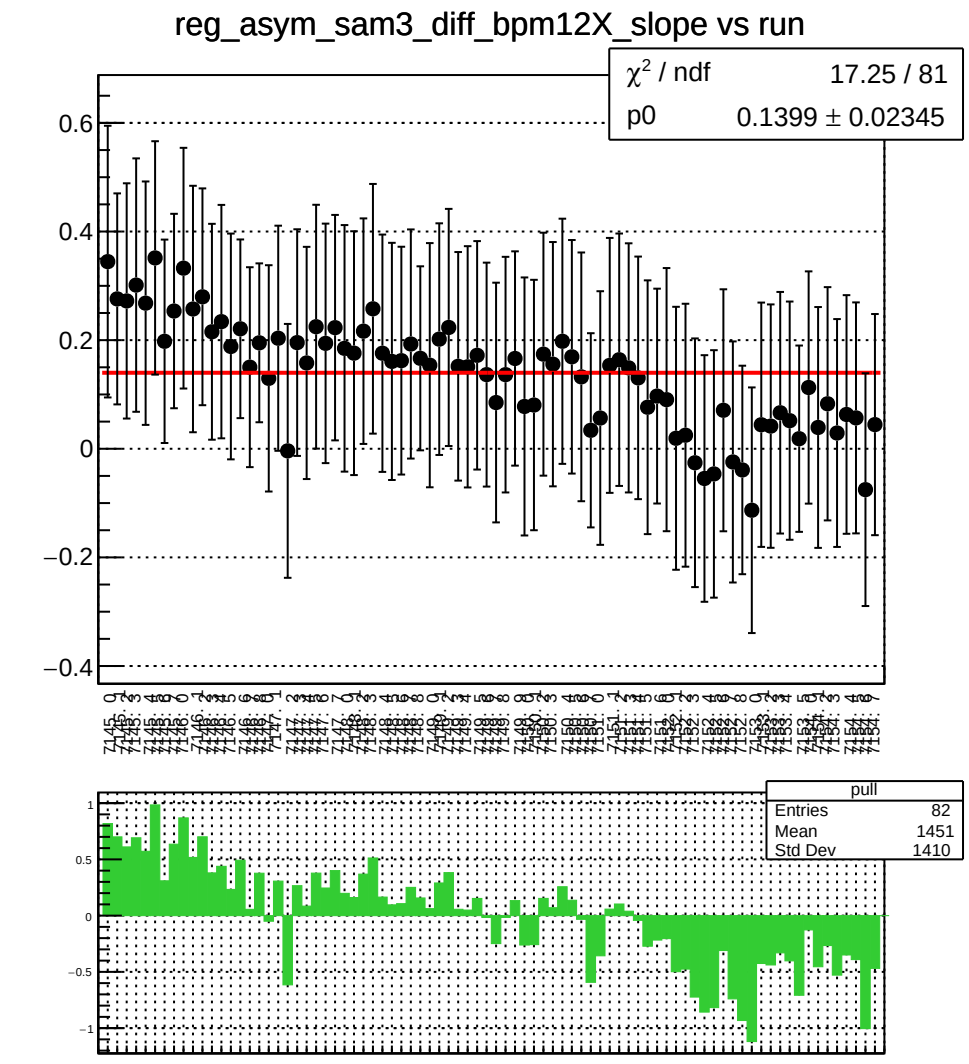

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 62.09 / 81
p0 −0.03941 ± 0.4849
pull
Entries 82
Mean −1287
Std Dev 1320
pull1D
Entries 82
Mean 0.003083
Std Dev 0.8702

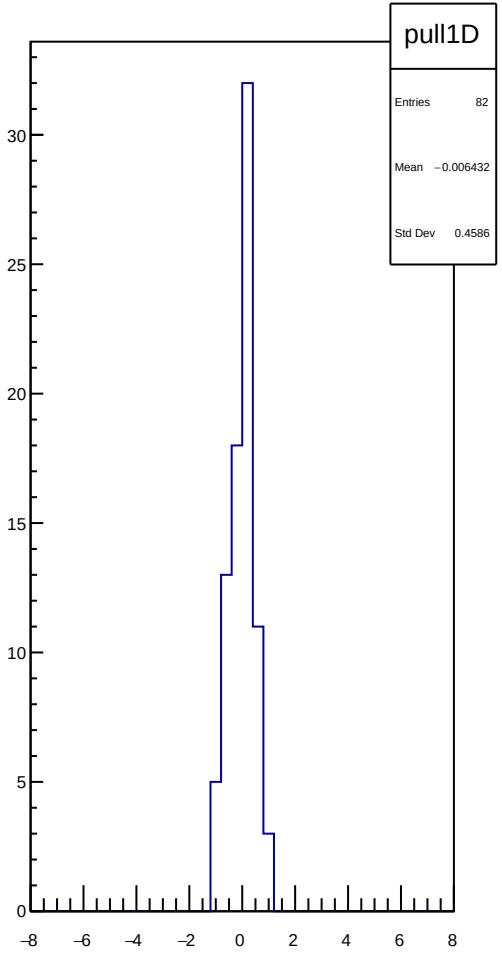

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 193.1 / 81
p0 −44.42 ± 0.58
pull
Entries 82
Mean 132
Std Dev 93.02

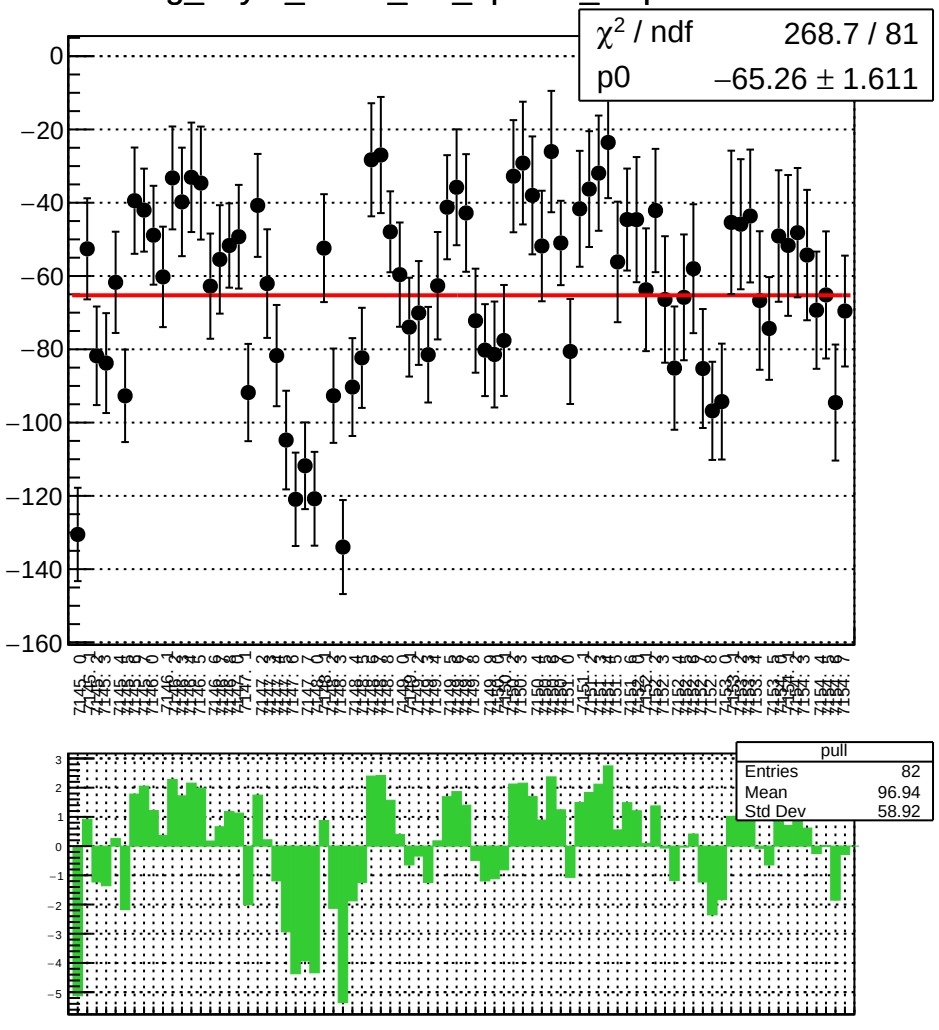

pull1D
Entries 82
Mean −0.07893
Std Dev 1.533

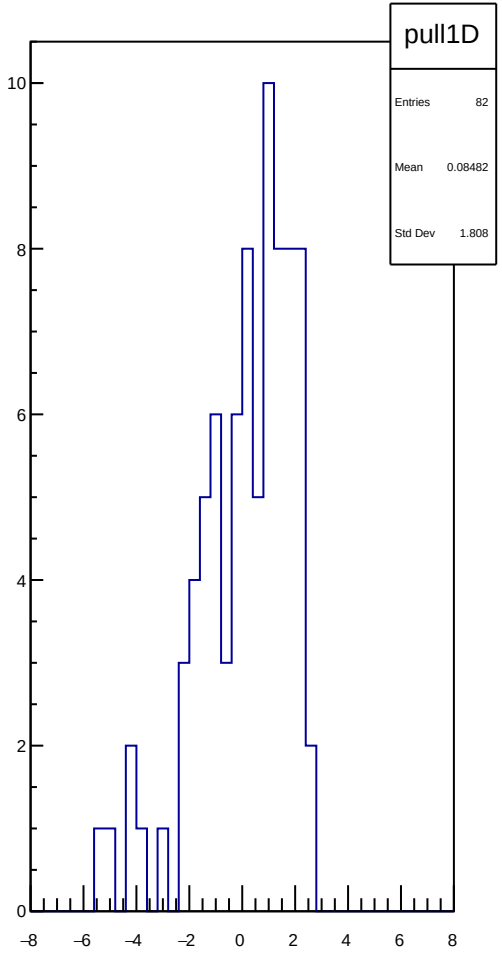

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 61.72 / 81
p0 20.93 ± 0.5309
pull
Entries 82
Mean −6231
Std Dev 6215

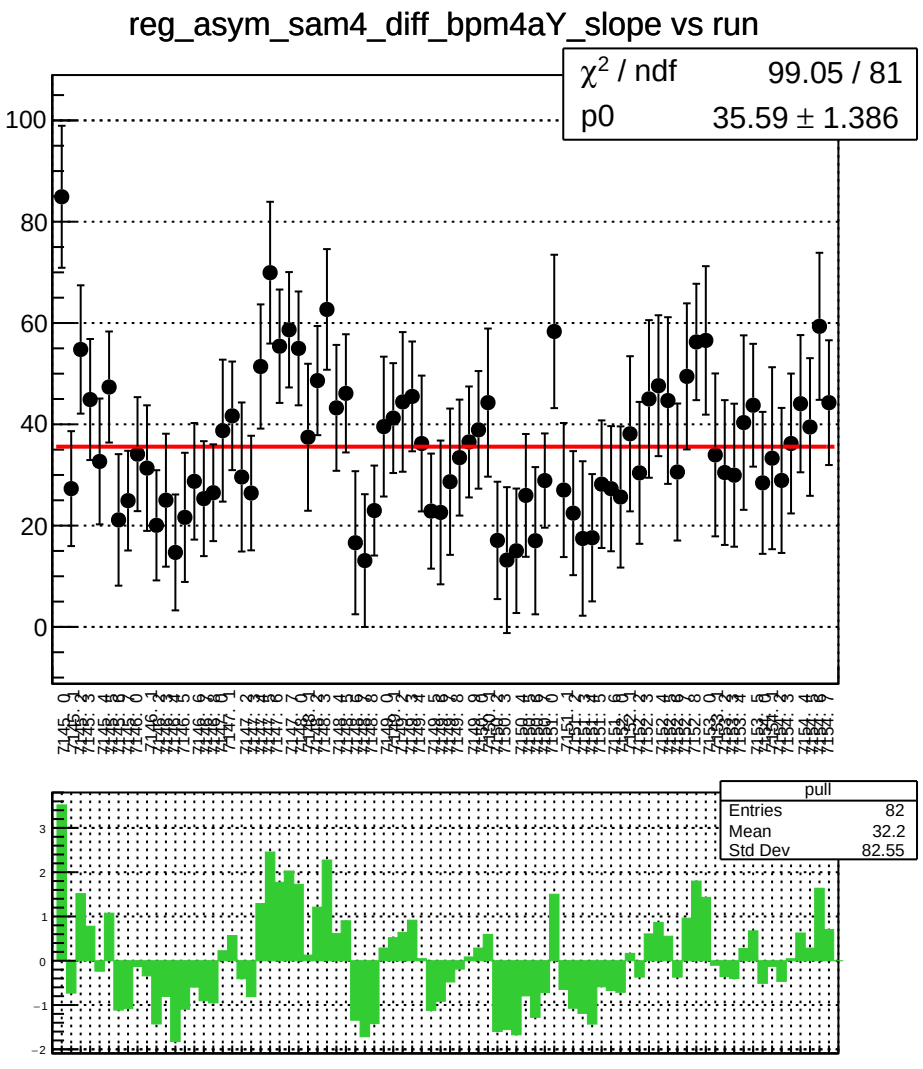

pull1D
Entries 82
Mean −0.0001343
Std Dev 0.8676

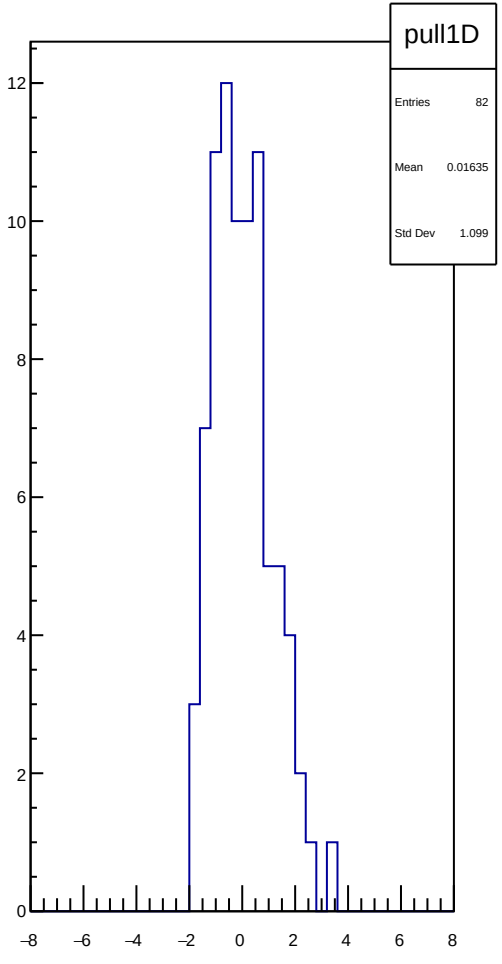

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 17.25 / 81
p0 0.1399 ± 0.02345
pull
Entries 82
Mean 1451
Std Dev 1410

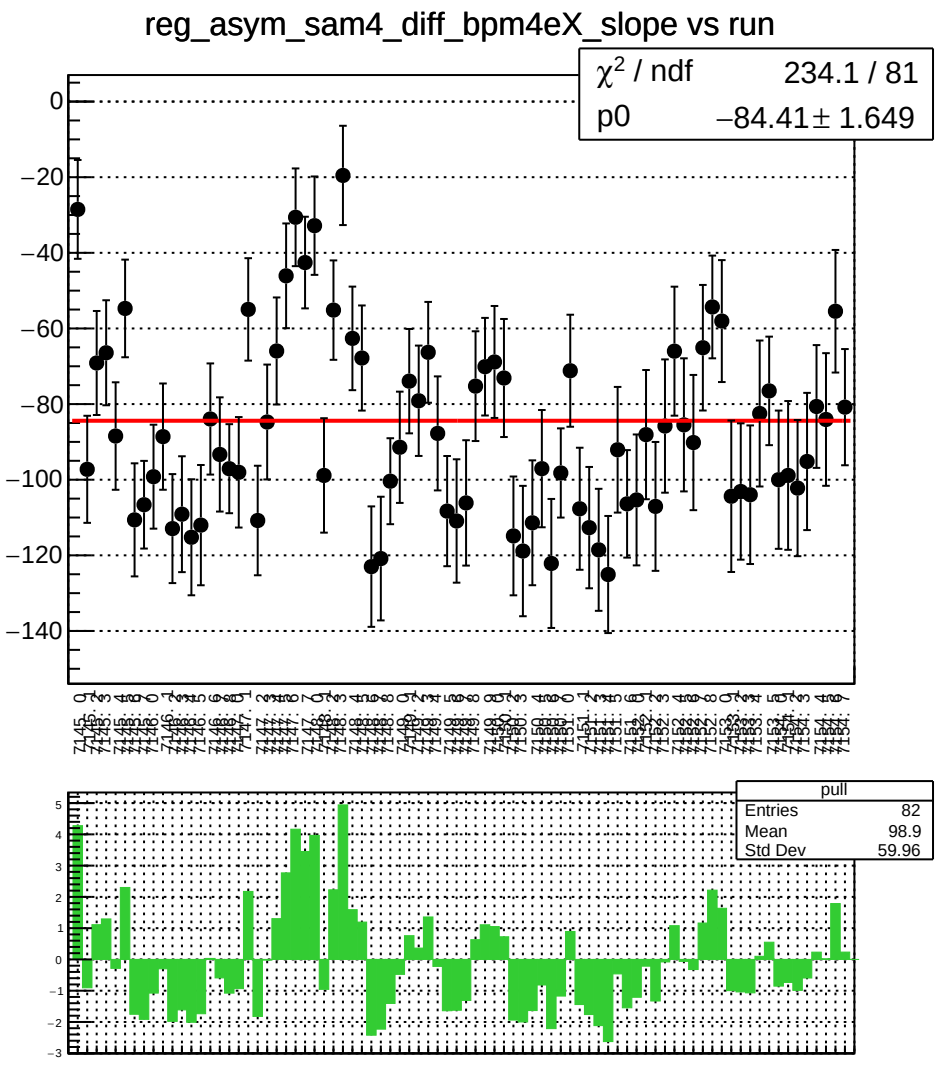

pull1D
Entries 82
Mean −0.006432
Std Dev 0.4586

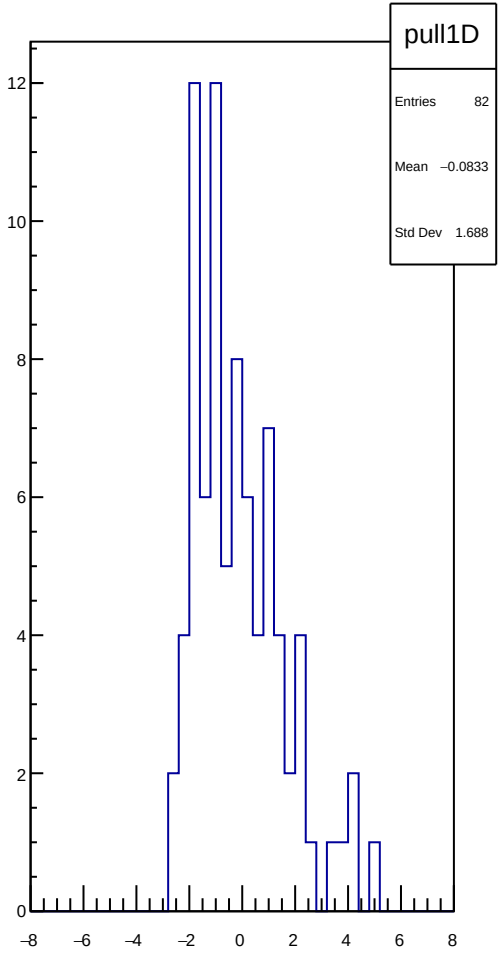

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 268.7 / 81
p0 −65.26 ± 1.611
pull
Entries 82
Mean 96.94
Std Dev 58.92

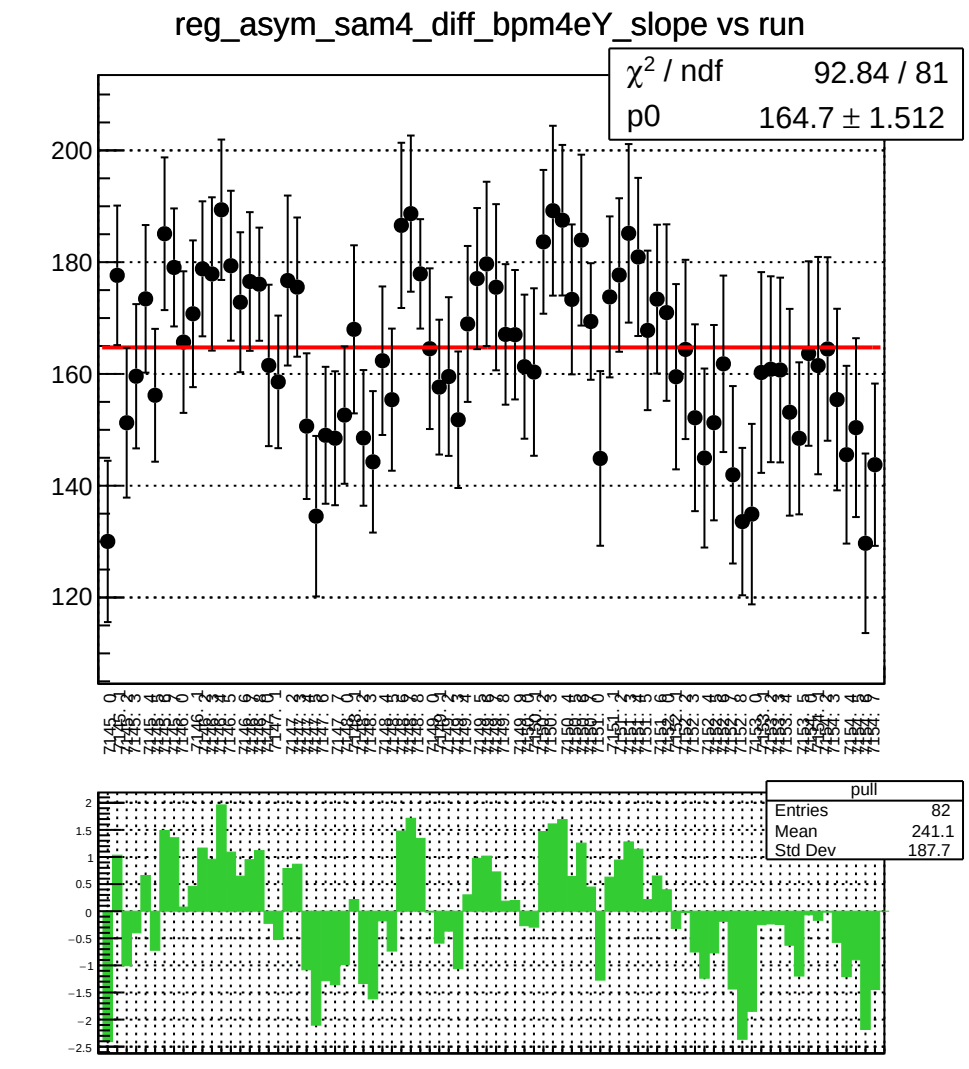

pull1D
Entries 82
Mean 0.08482
Std Dev 1.808

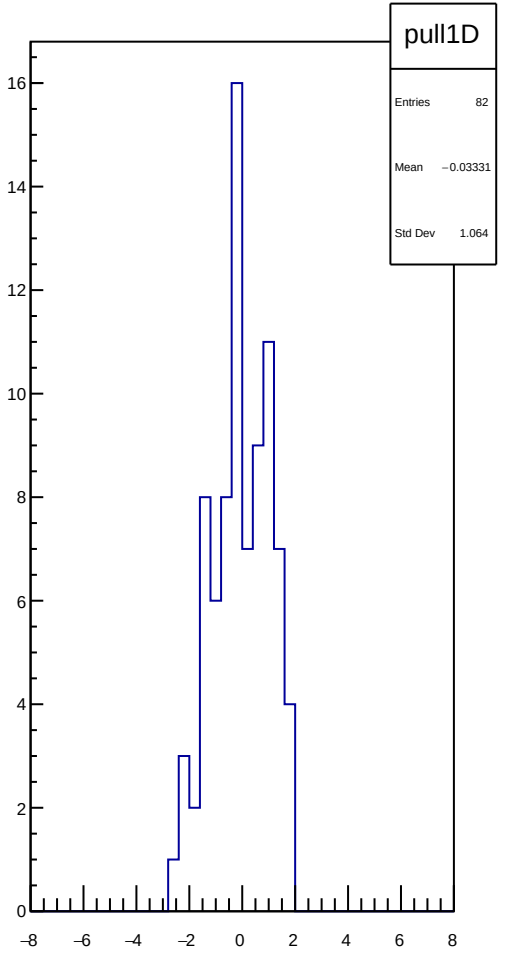

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 99.05 / 81
p0 35.59 ± 1.386
pull
Entries 82
Mean 32.2
Std Dev 82.55

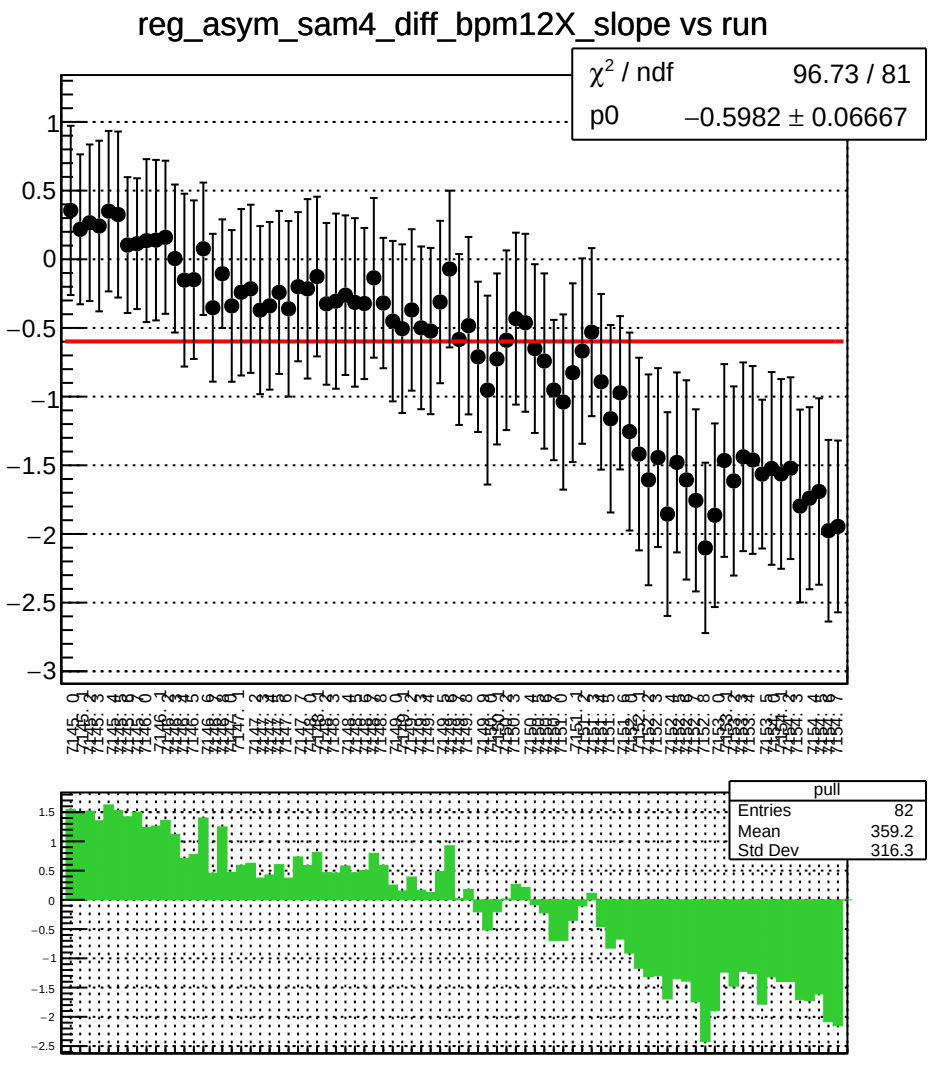

pull1D
Entries 82
Mean 0.01635
Std Dev 1.099

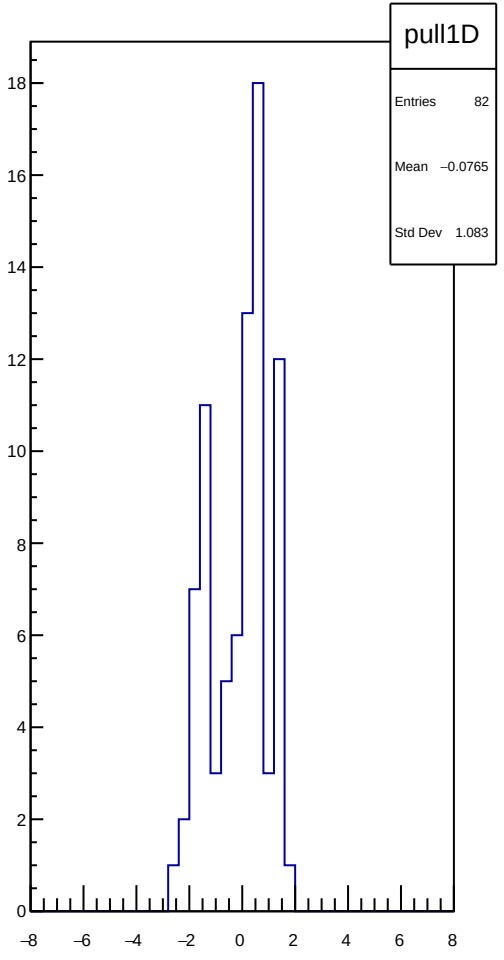

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 234.1 / 81
p0 −84.41 ± 1.649
pull
Entries 82
Mean 98.9
Std Dev 59.96

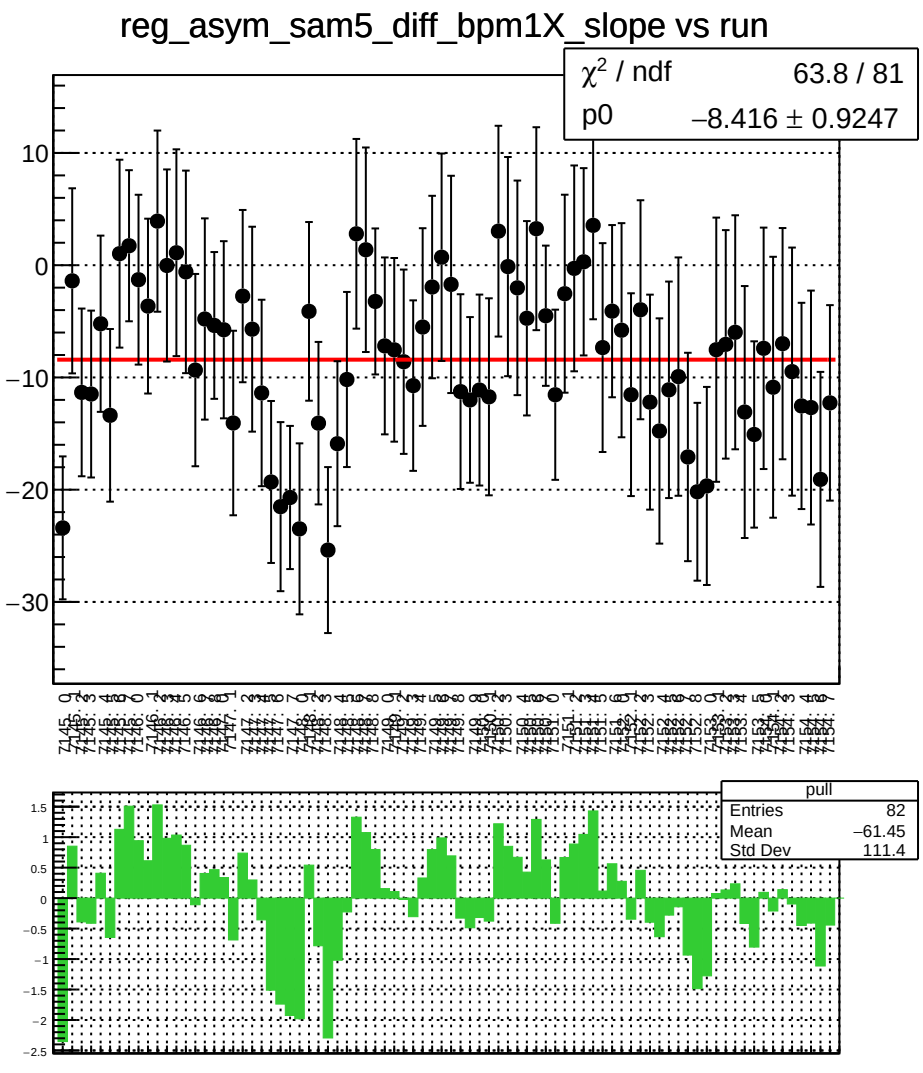

pull1D
Entries 82
Mean −0.0833
Std Dev 1.688

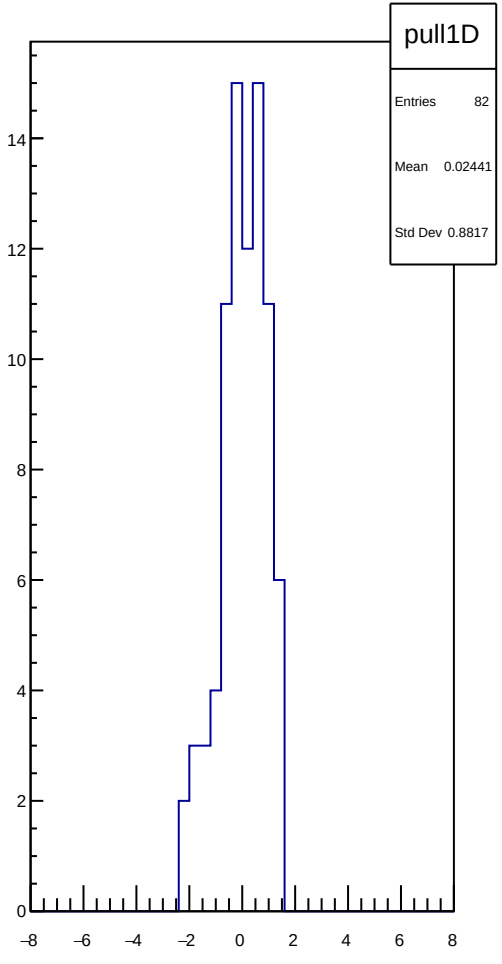

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 92.84 / 81
p0 164.7 ± 1.512
200
180
160
140
120
pull
Entries 82
Mean 241.1
Std Dev 187.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

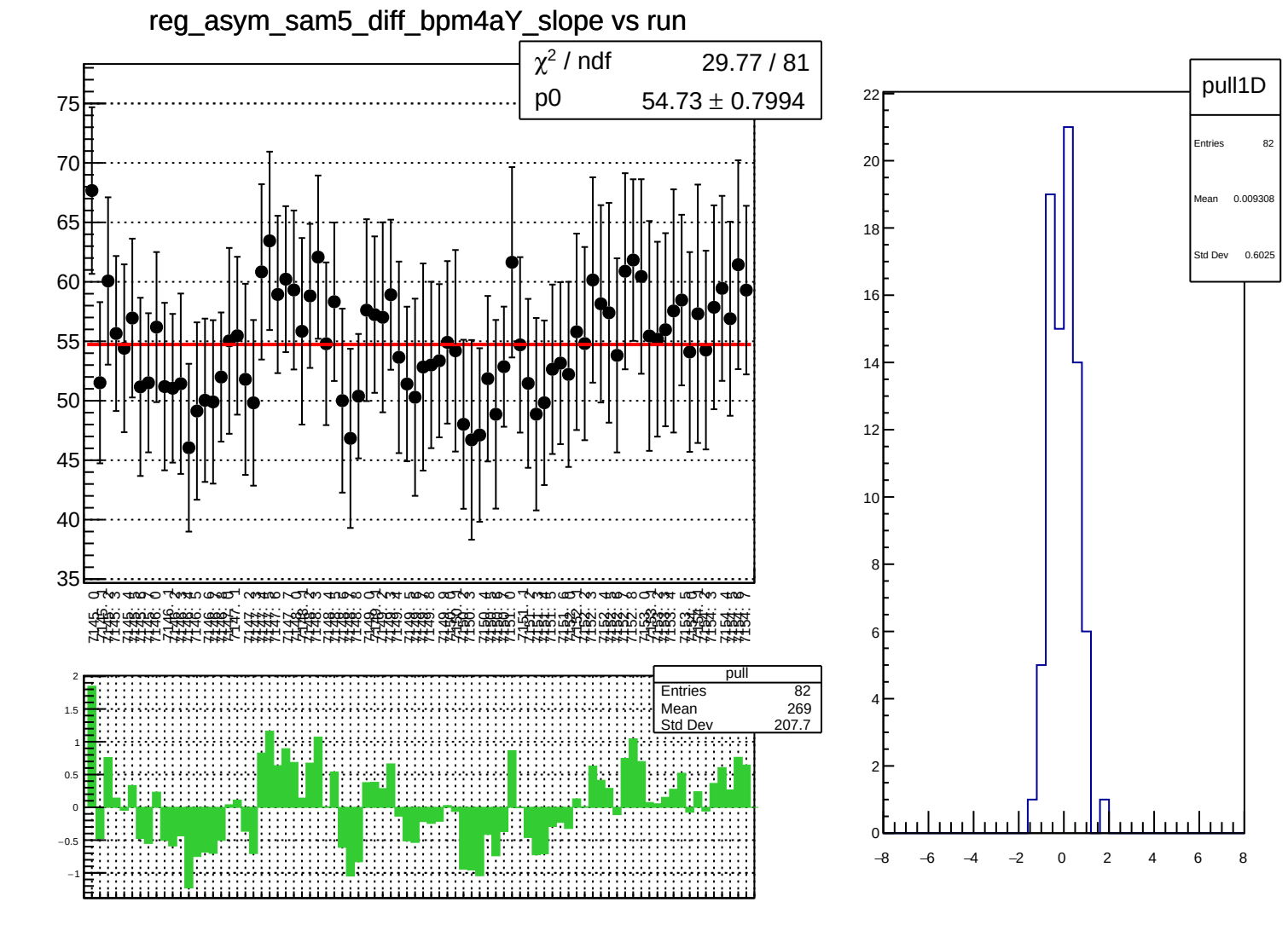

pull1D
Entries 82
Mean −0.03331
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

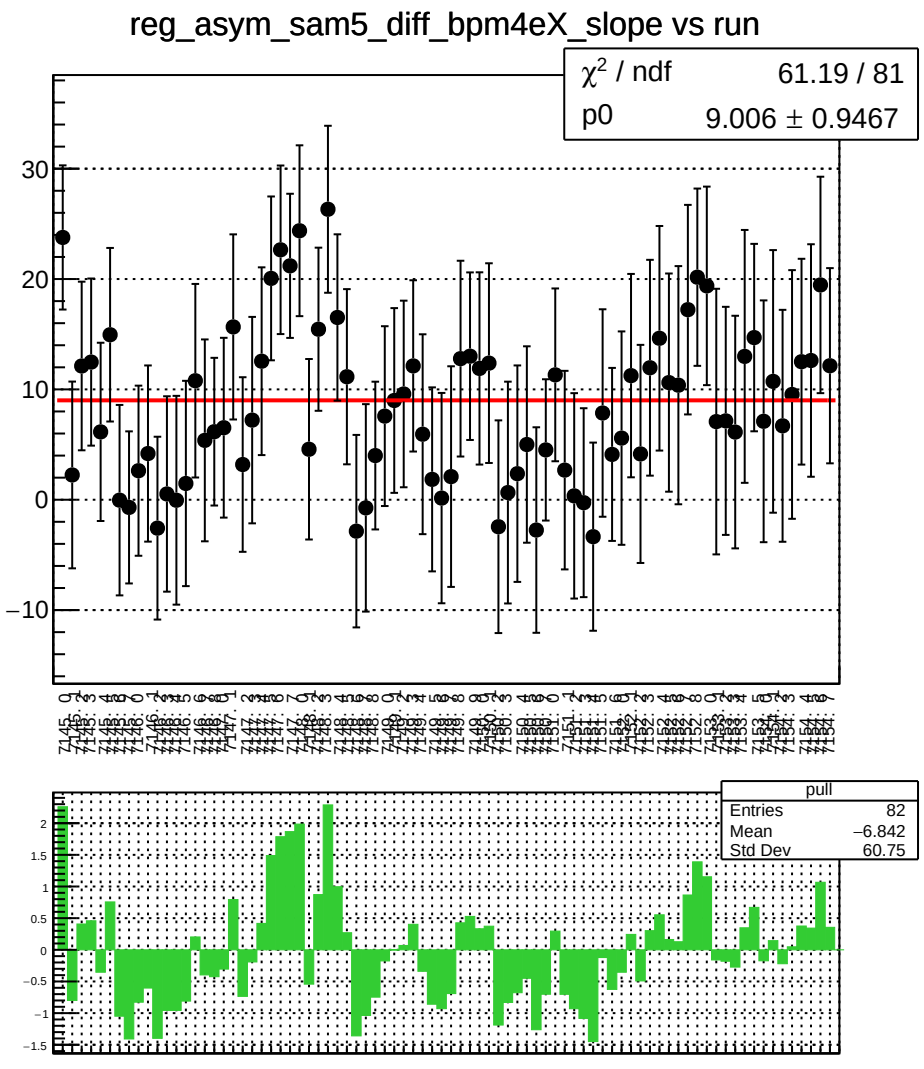

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 96.73 / 81
p0 −0.5982 ± 0.06667
pull
Entries 82
Mean 359.2
Std Dev 316.3

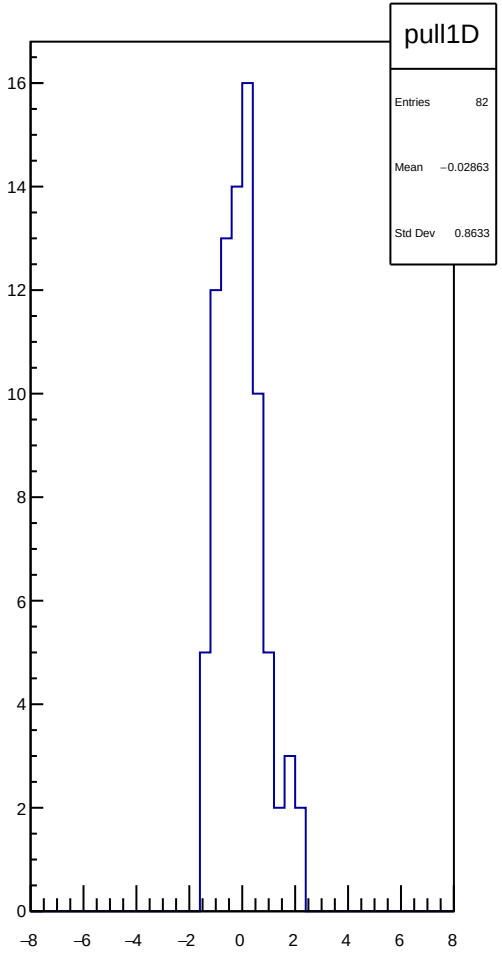

pull1D
Entries 82
Mean −0.0765
Std Dev 1.083

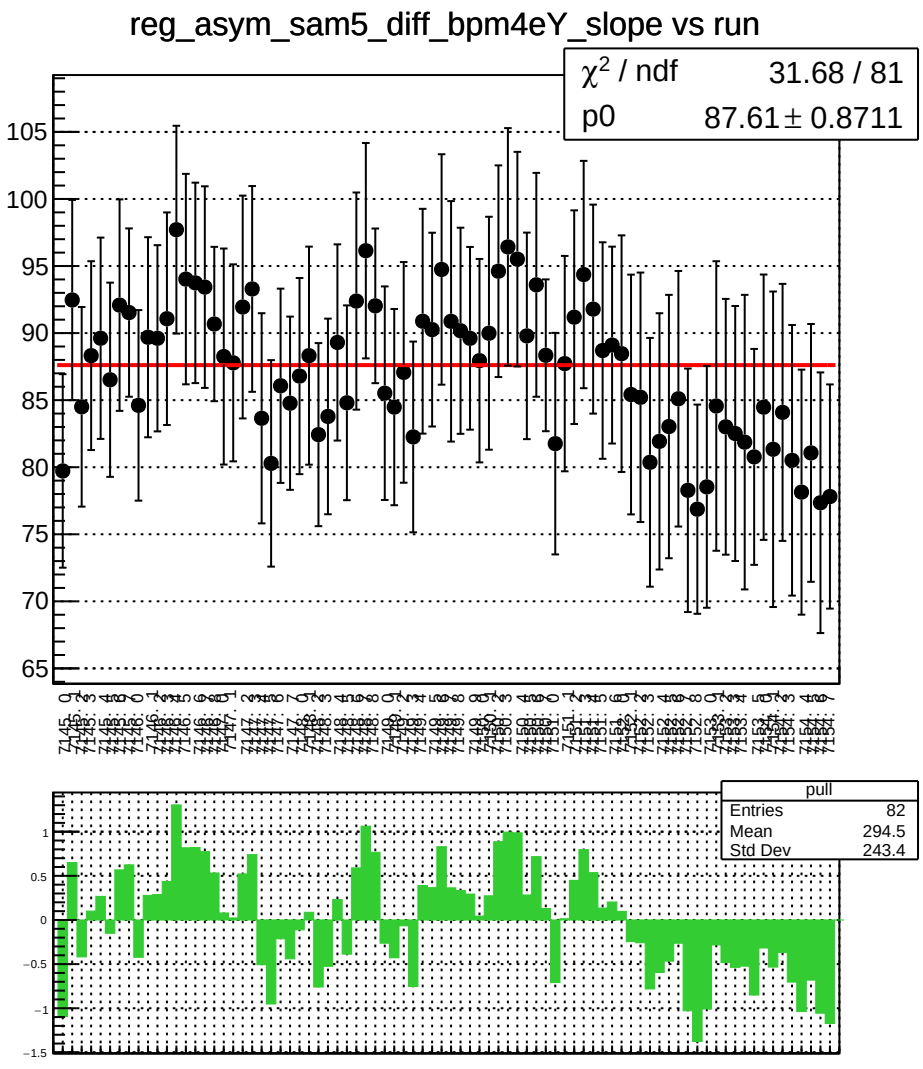

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 63.8 / 81
p0 −8.416 ± 0.9247
pull
Entries 82
Mean −61.45
Std Dev 111.4

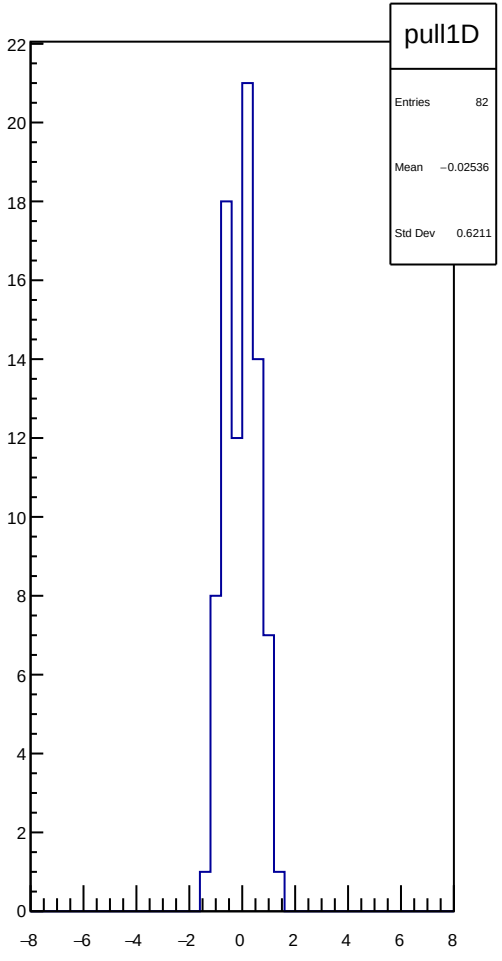

pull1D
Entries 82
Mean 0.02441
Std Dev 0.8817

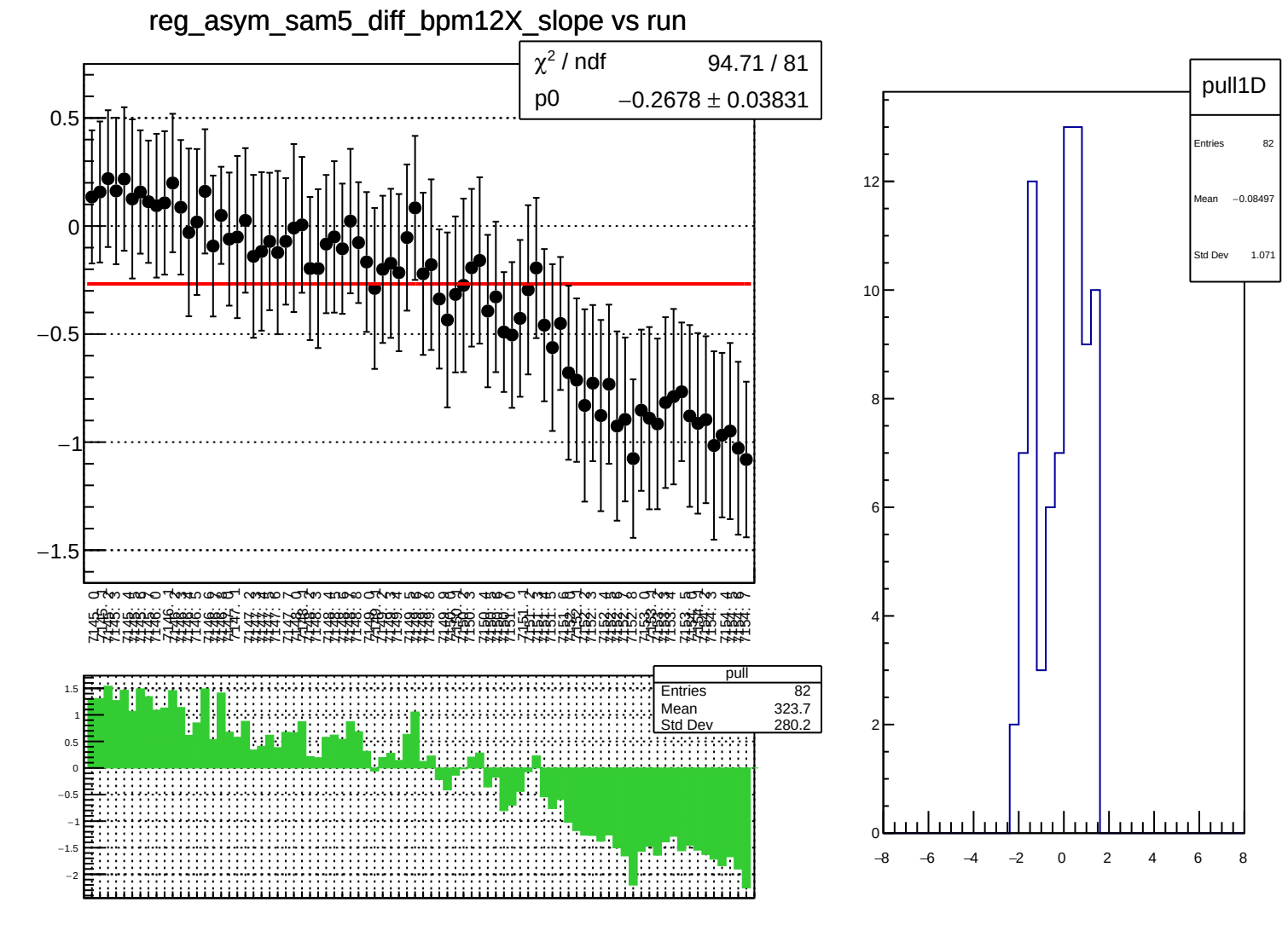

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 29.77 / 81
p0 54.73 ± 0.7994
pull
Entries 82
Mean 269
Std Dev 207.7
pull1D
Entries 82
Mean 0.009308
Std Dev 0.6025

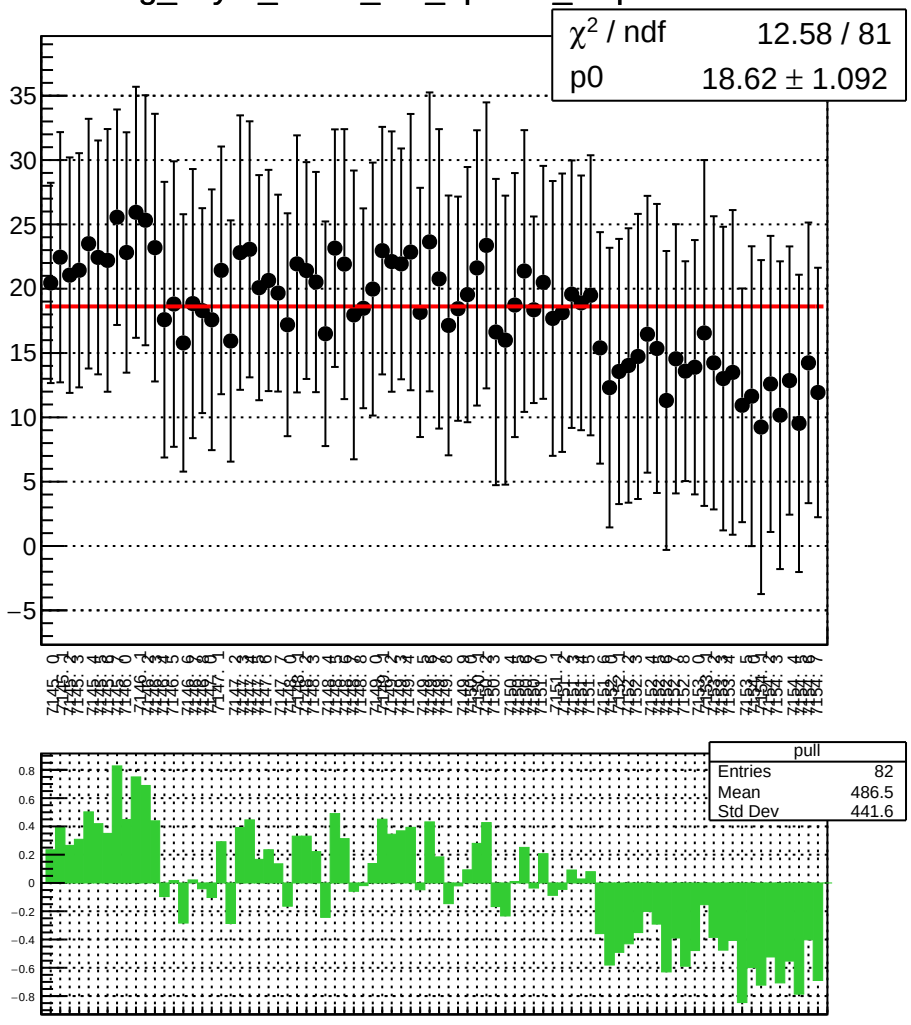

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 61.19 / 81
p0 9.006 ± 0.9467
pull
Entries 82
Mean −6.842
Std Dev 60.75

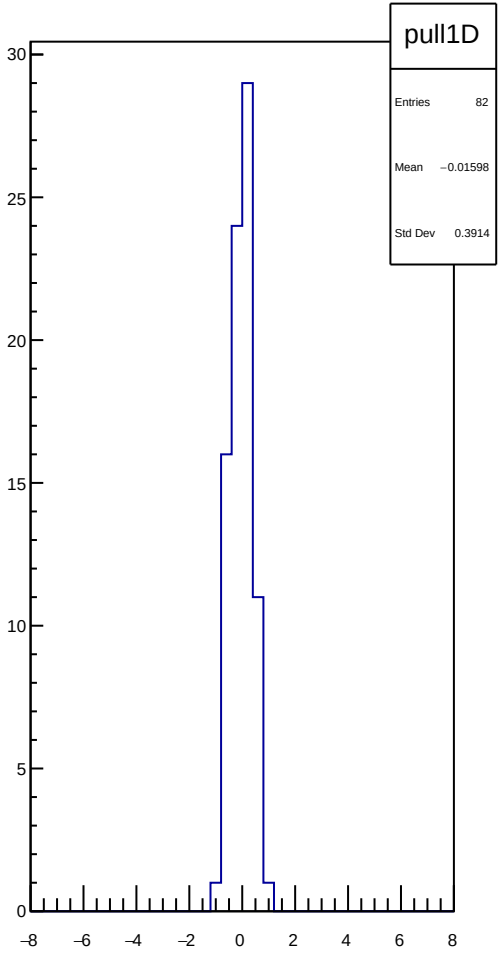

pull1D
Entries 82
Mean −0.02863
Std Dev 0.8633

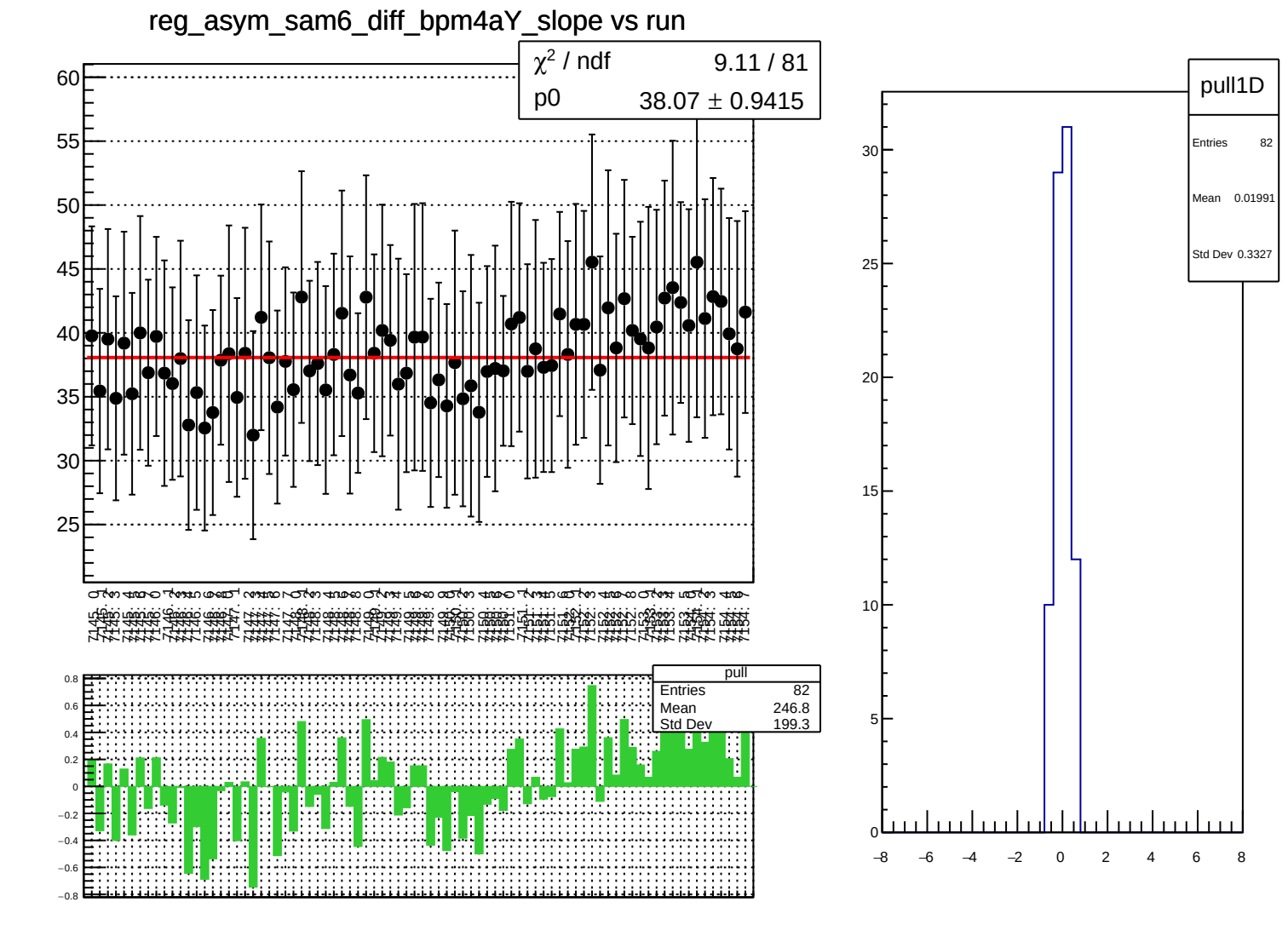

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 31.68 / 81
p0 87.61 ± 0.8711
pull
Entries 82
Mean 294.5
Std Dev 243.4

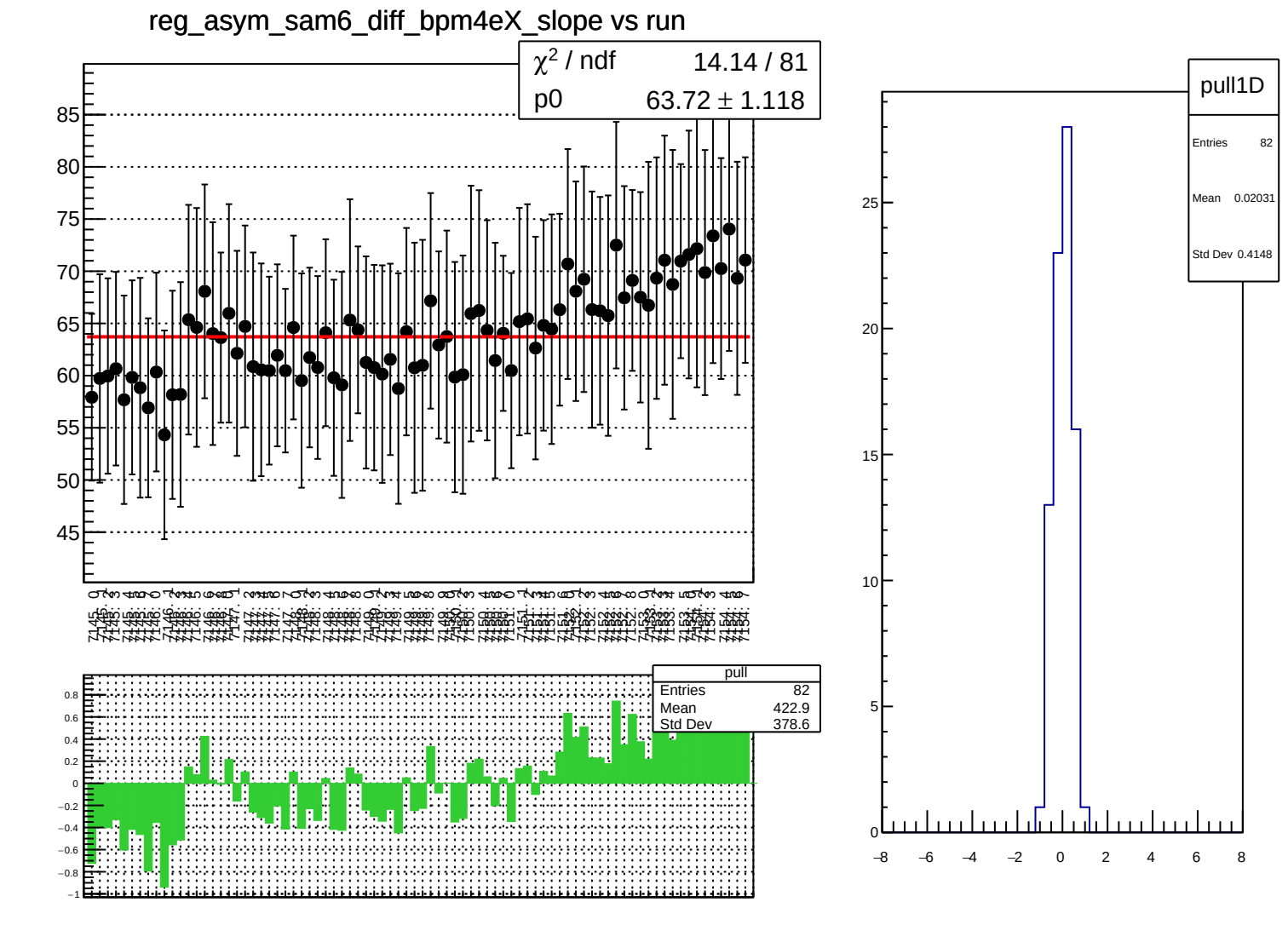

pull1D
Entries 82
Mean −0.02536
Std Dev 0.6211

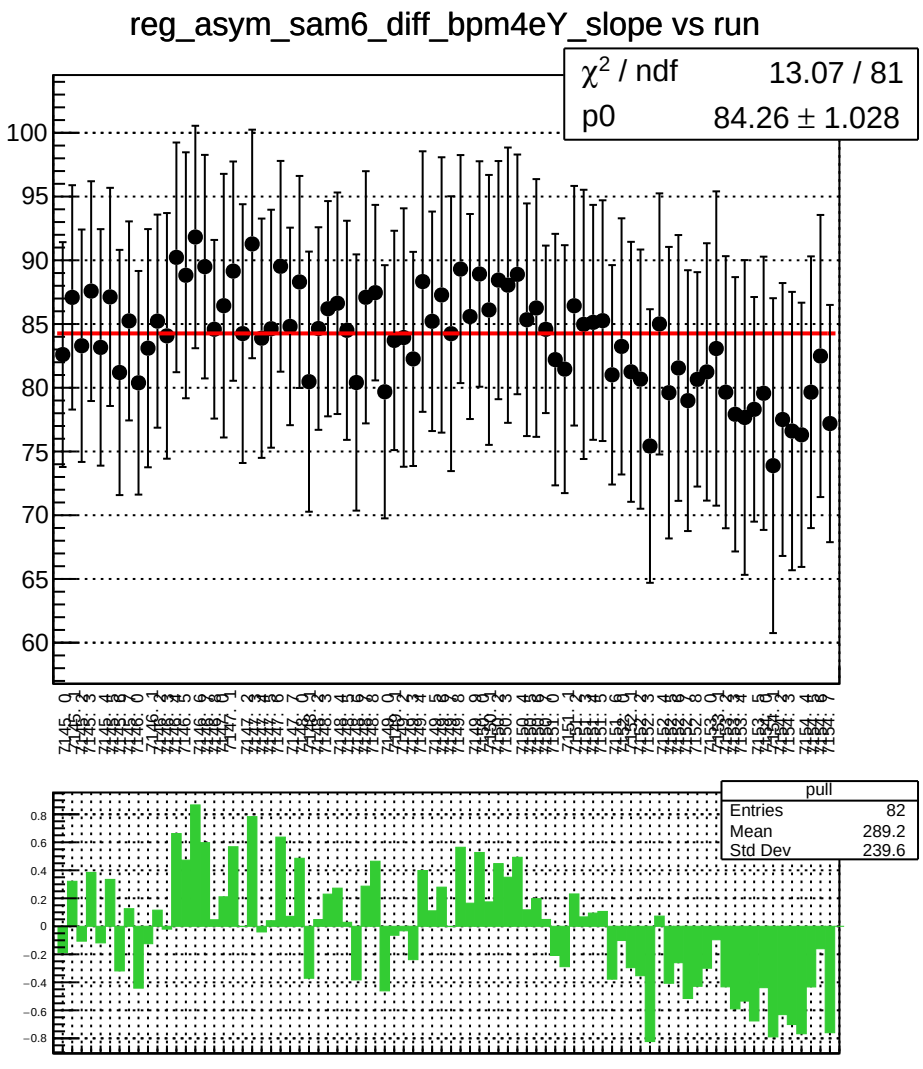

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 94.71 / 81
p0 −0.2678 ± 0.03831
pull
Entries 82
Mean 323.7
Std Dev 280.2
pull1D
Entries 82
Mean −0.08497
Std Dev 1.071

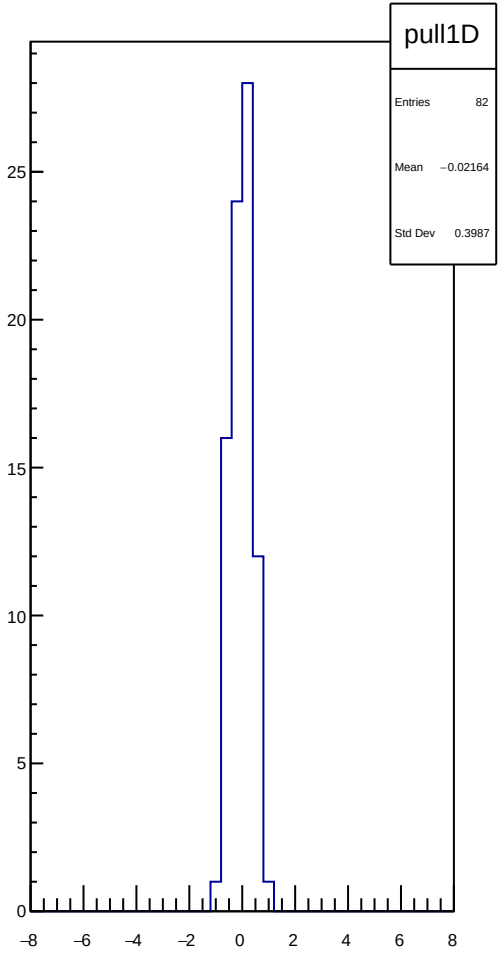

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 12.58 / 81
p0 18.62 ± 1.092
pull
Entries 82
Mean 486.5
Std Dev 441.6

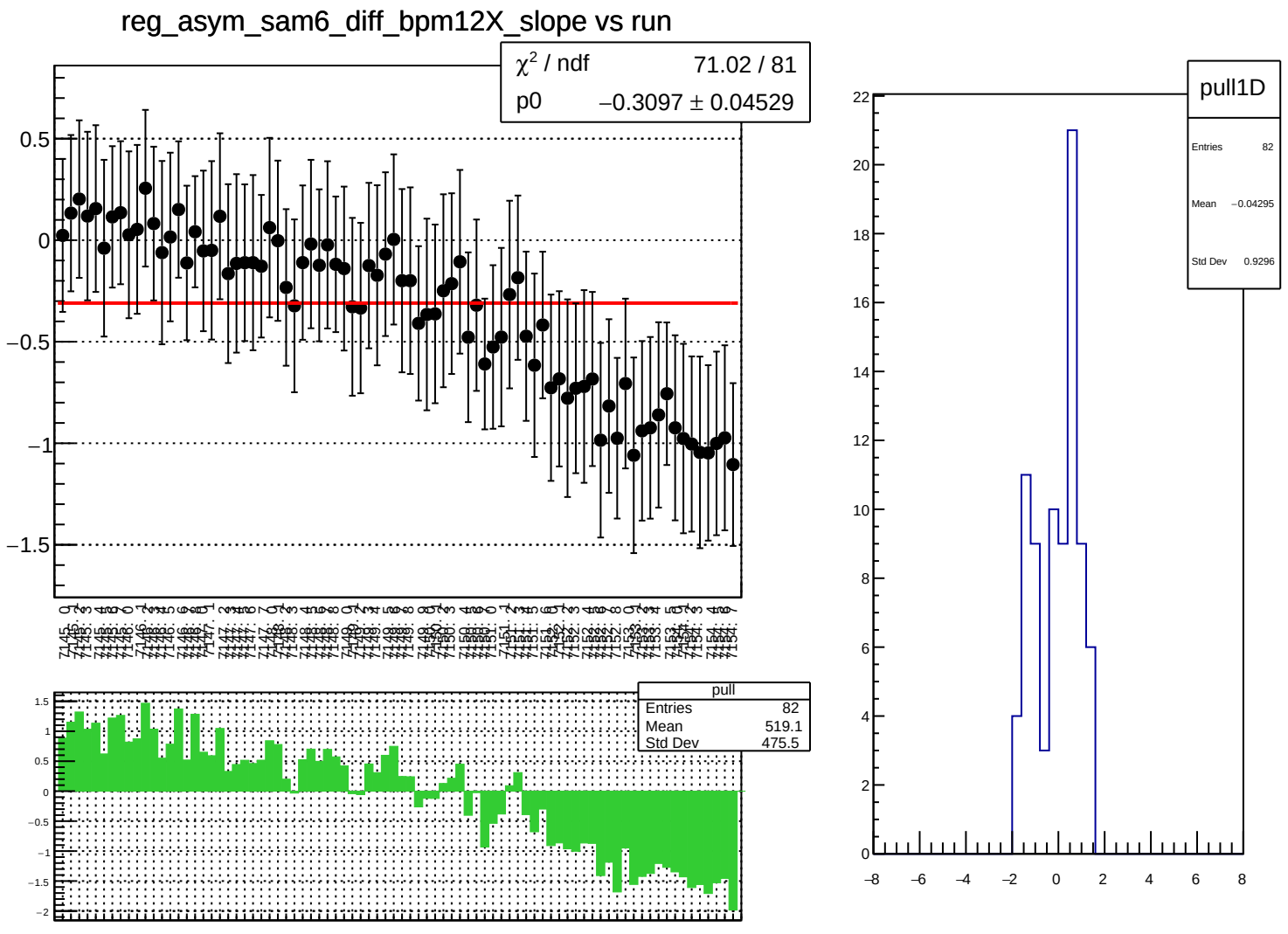

pull1D
Entries 82
Mean −0.01598
Std Dev 0.3914

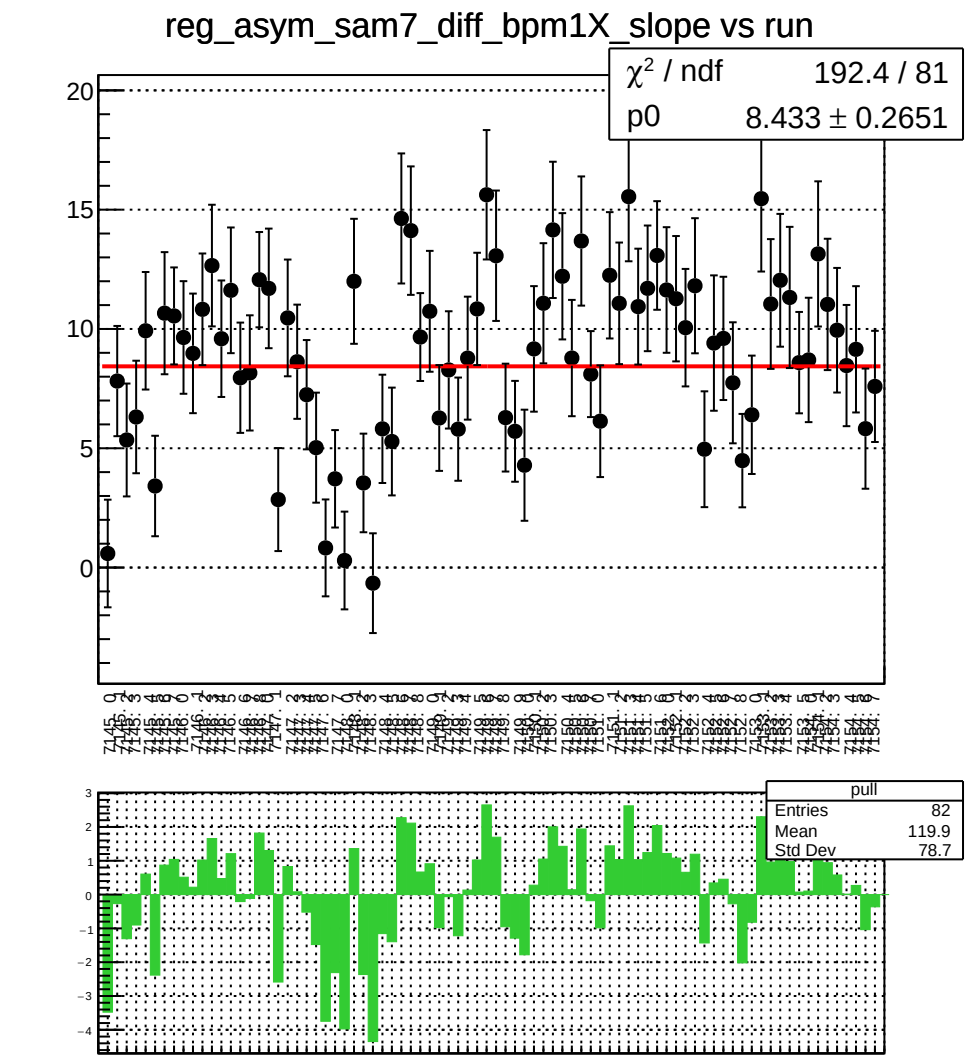

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.11 / 81
p0 38.07 ± 0.9415
pull
Entries 82
Mean 246.8
Std Dev 199.3
pull1D
Entries 82
Mean 0.01991
Std Dev 0.3327

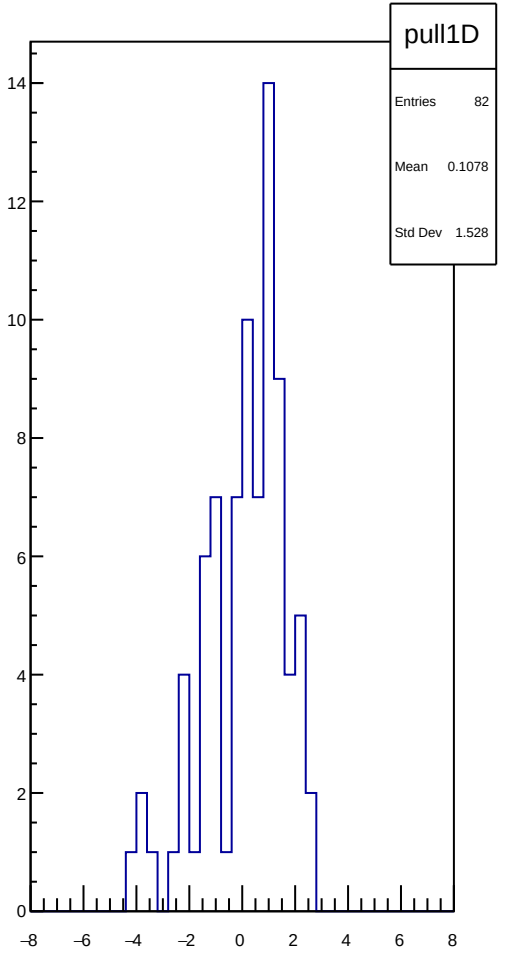

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 14.14 / 81
p0 63.72 ± 1.118
pull
Entries 82
Mean 422.9
Std Dev 378.6
pull1D
Entries 82
Mean 0.02031
Std Dev 0.4148

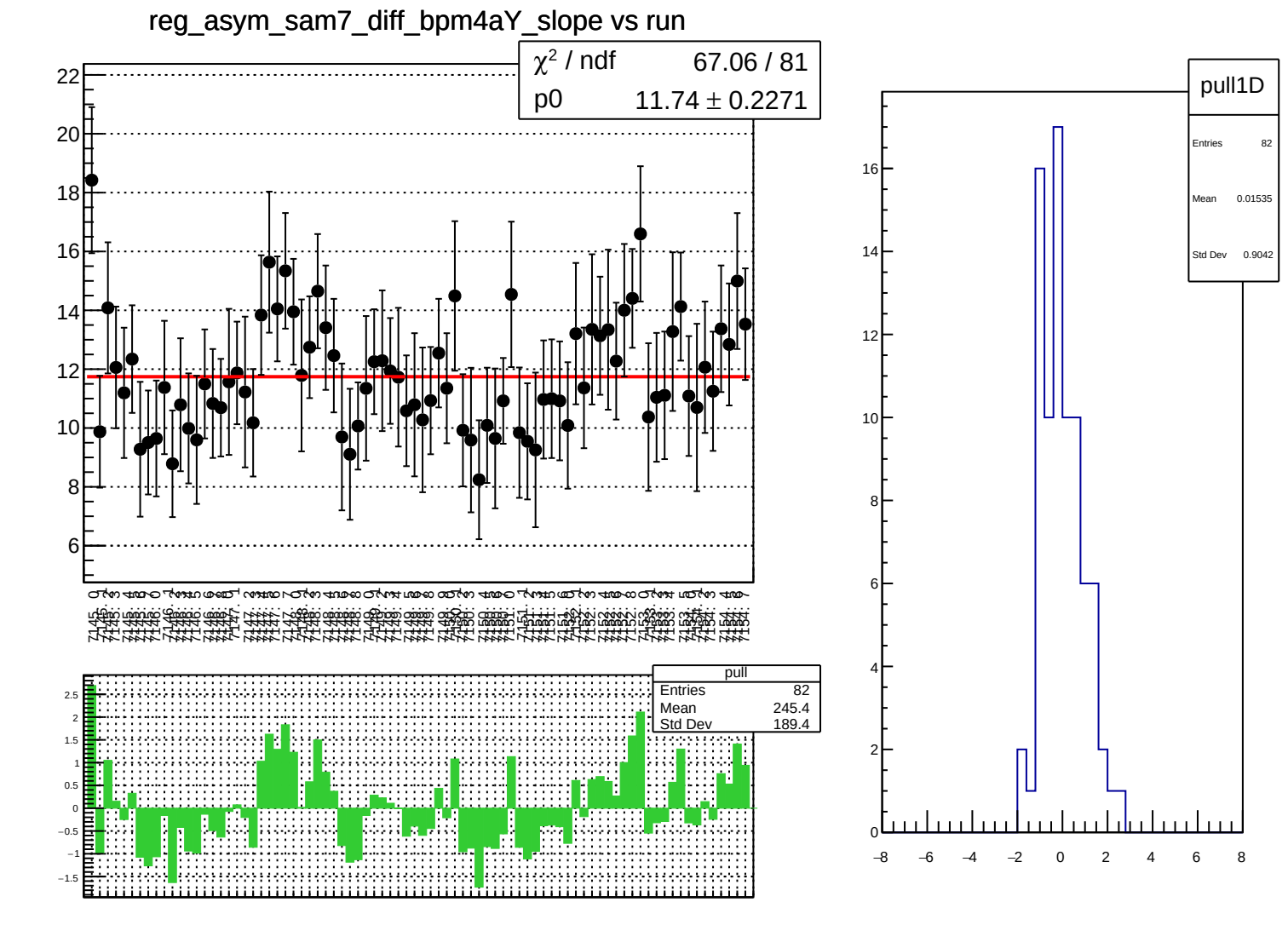

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.07 / 81
p0 84.26 ± 1.028
pull
Entries 82
Mean 289.2
Std Dev 239.6

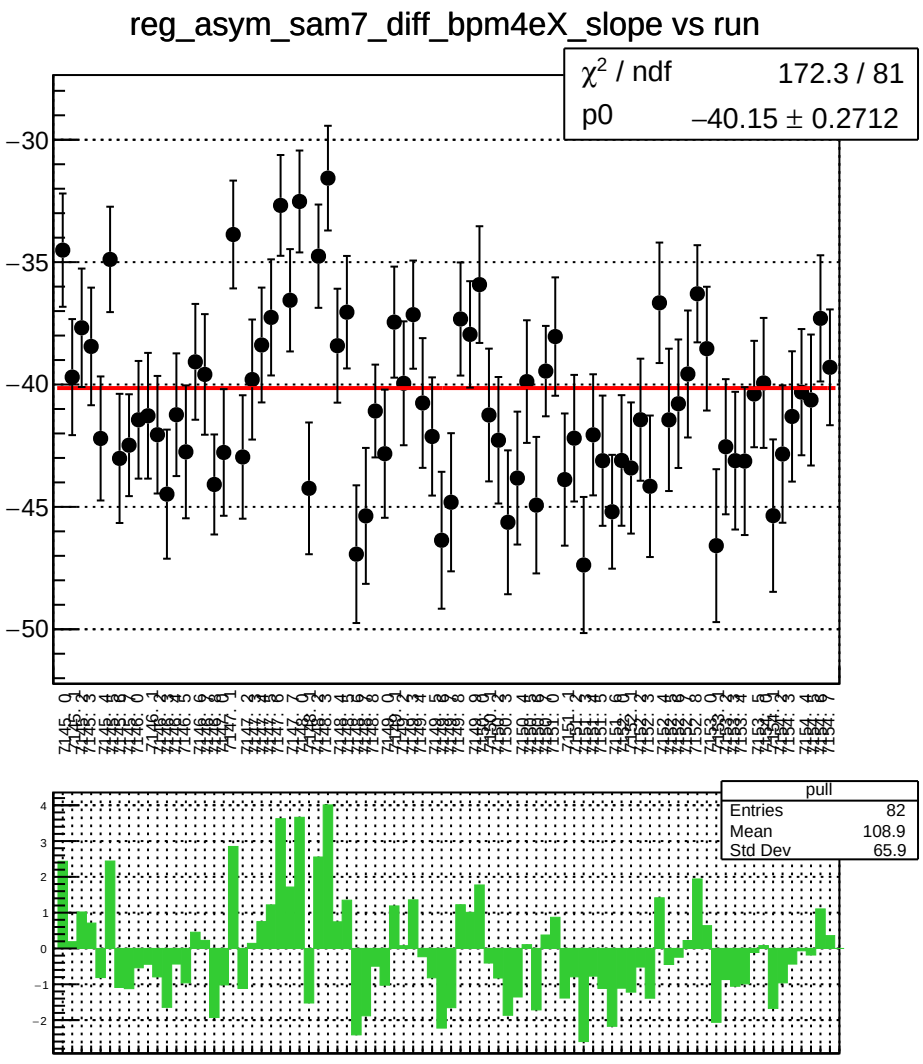

pull1D
Entries 82
Mean −0.02164
Std Dev 0.3987

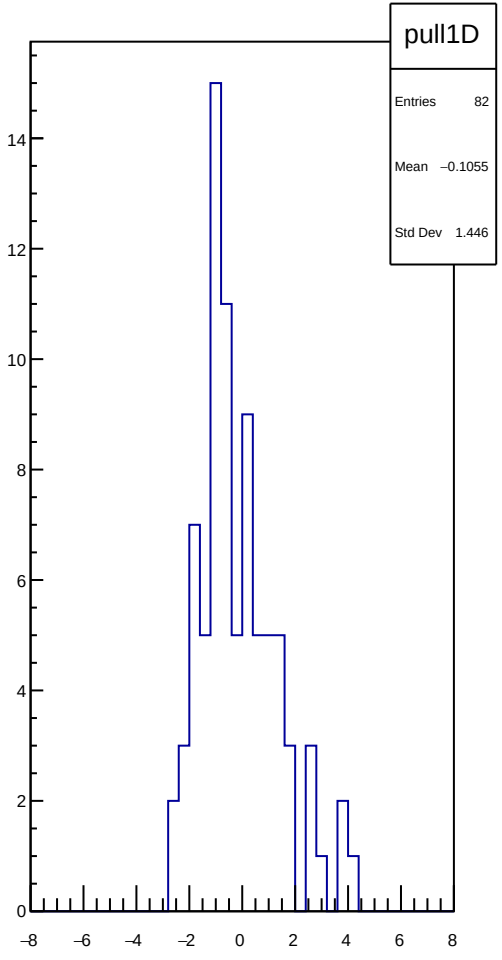

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 71.02 / 81
p0 −0.3097 ± 0.04529
pull
Entries 82
Mean 519.1
Std Dev 475.5
pull1D
Entries 82
Mean −0.04295
Std Dev 0.9296

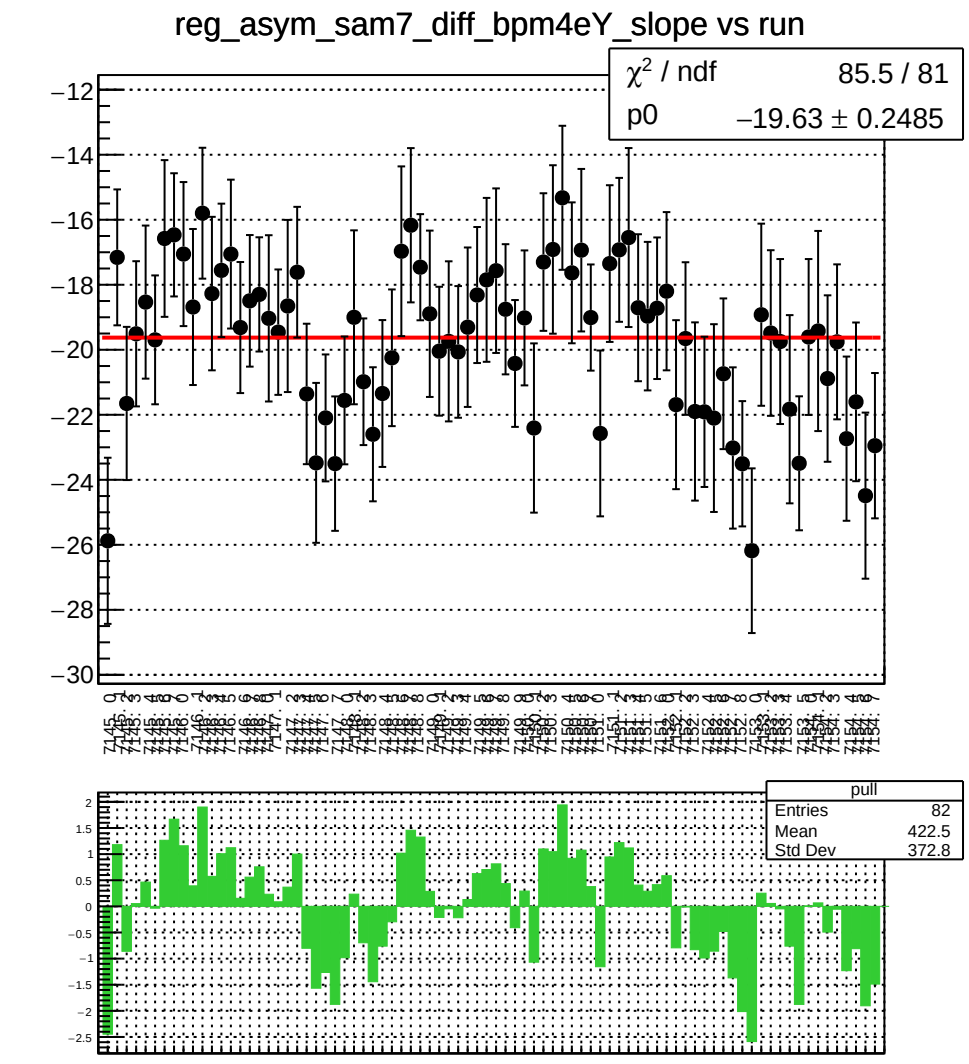

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 192.4 / 81
p0 8.433 ± 0.2651
pull
Entries 82
Mean 119.9
Std Dev 78.7

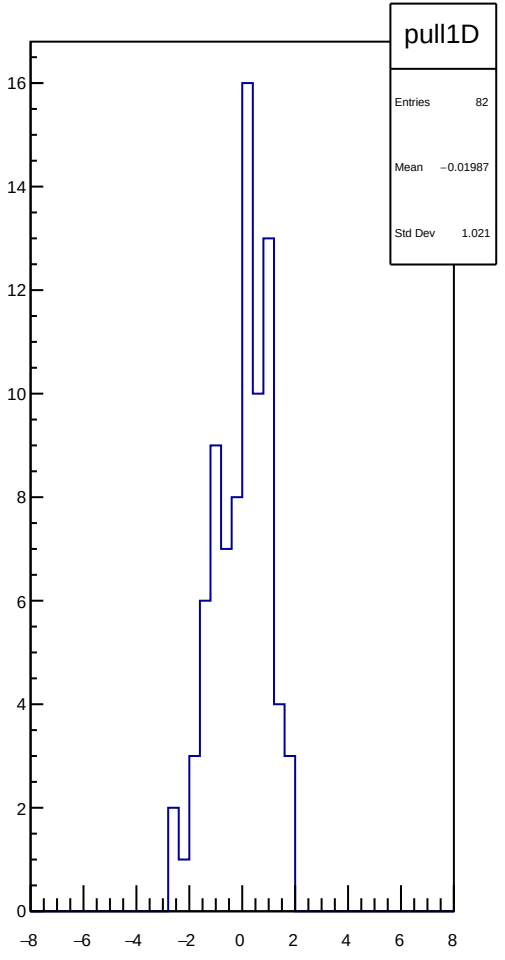

pull1D
Entries 82
Mean 0.1078
Std Dev 1.528

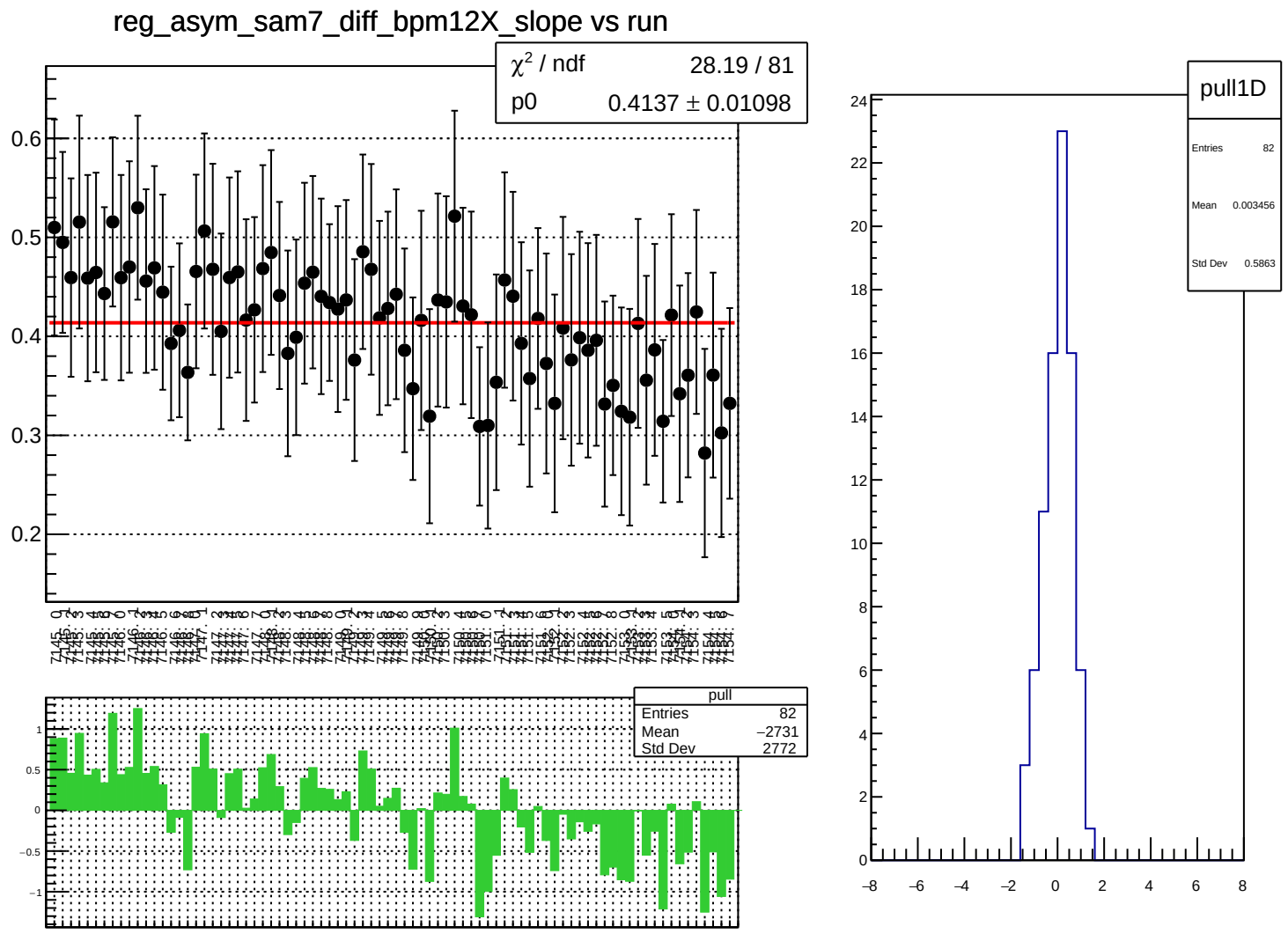

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 67.06 / 81
p0 11.74 ± 0.2271
pull
Entries 82
Mean 245.4
Std Dev 189.4
pull1D
Entries 82
Mean 0.01535
Std Dev 0.9042

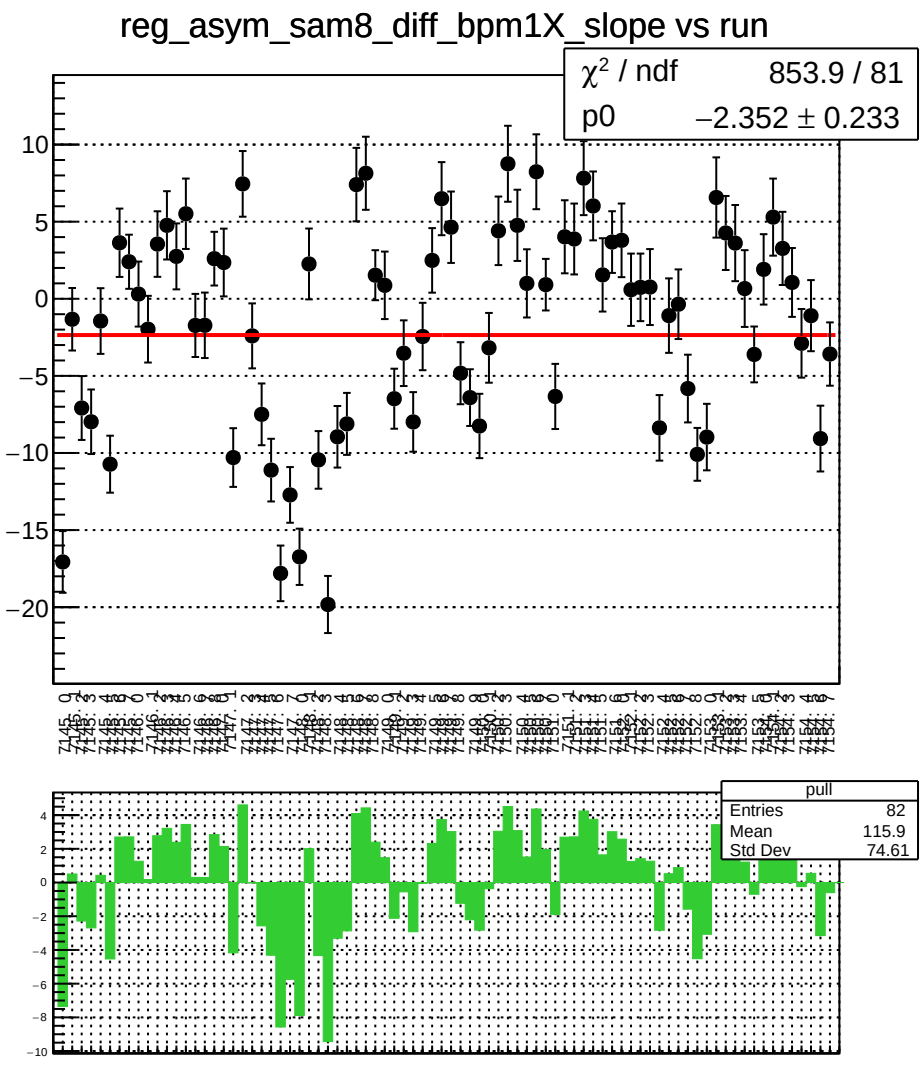

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 172.3 / 81
p0 −40.15 ± 0.2712
pull
Entries 82
Mean 108.9
Std Dev 65.9

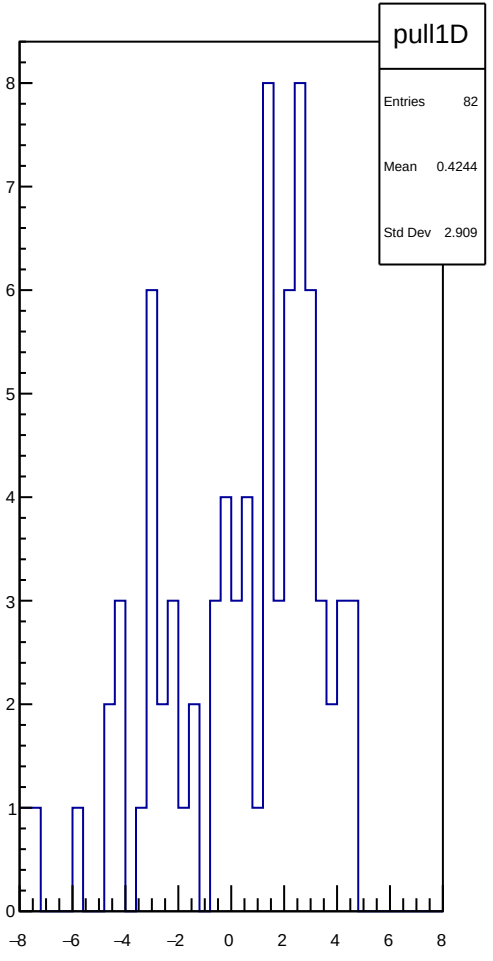

pull1D
Entries 82
Mean −0.1055
Std Dev 1.446

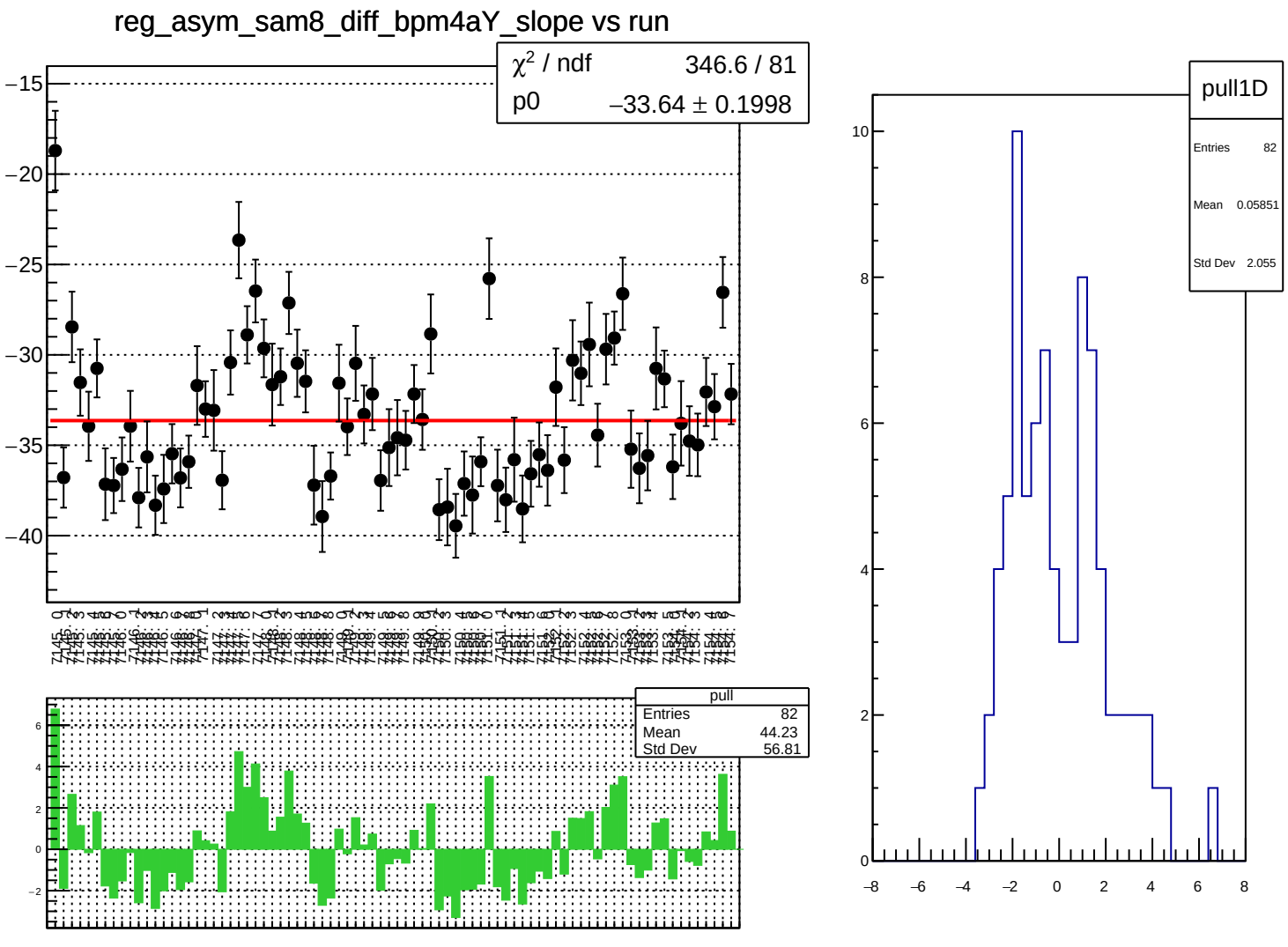

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 85.5 / 81
p0 −19.63 ± 0.2485
pull
Entries 82
Mean 422.5
Std Dev 372.8

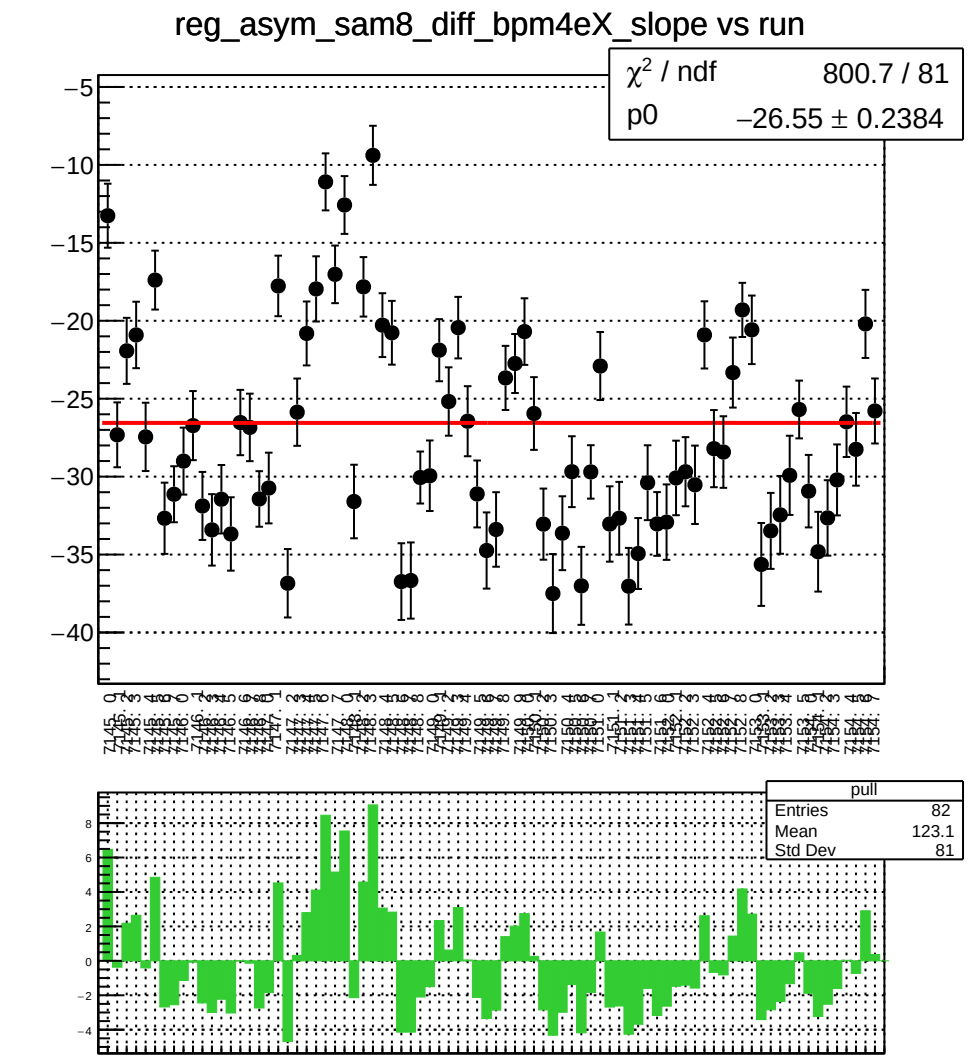

pull1D
Entries 82
Mean −0.01987
Std Dev 1.021

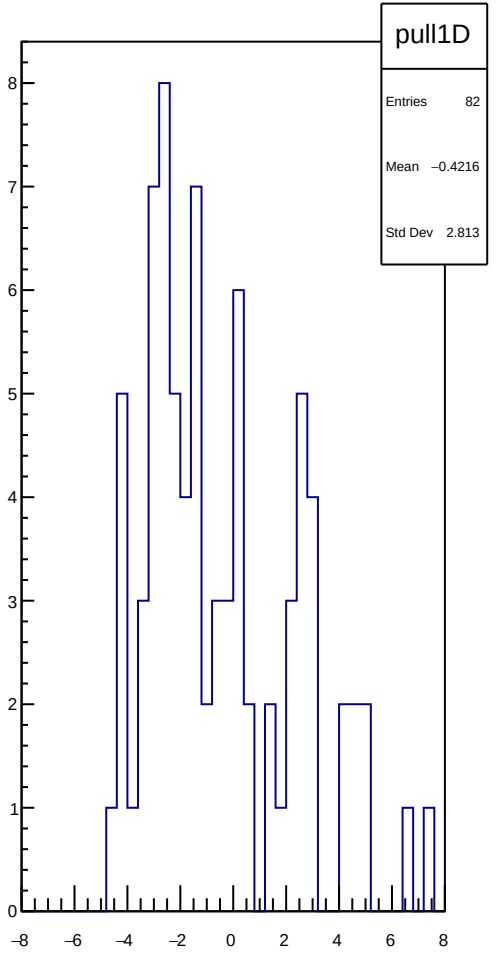

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 28.19 / 81
p0 0.4137 ± 0.01098
pull
Entries 82
Mean −2731
Std Dev 2772
pull1D
Entries 82
Mean 0.003456
Std Dev 0.5863

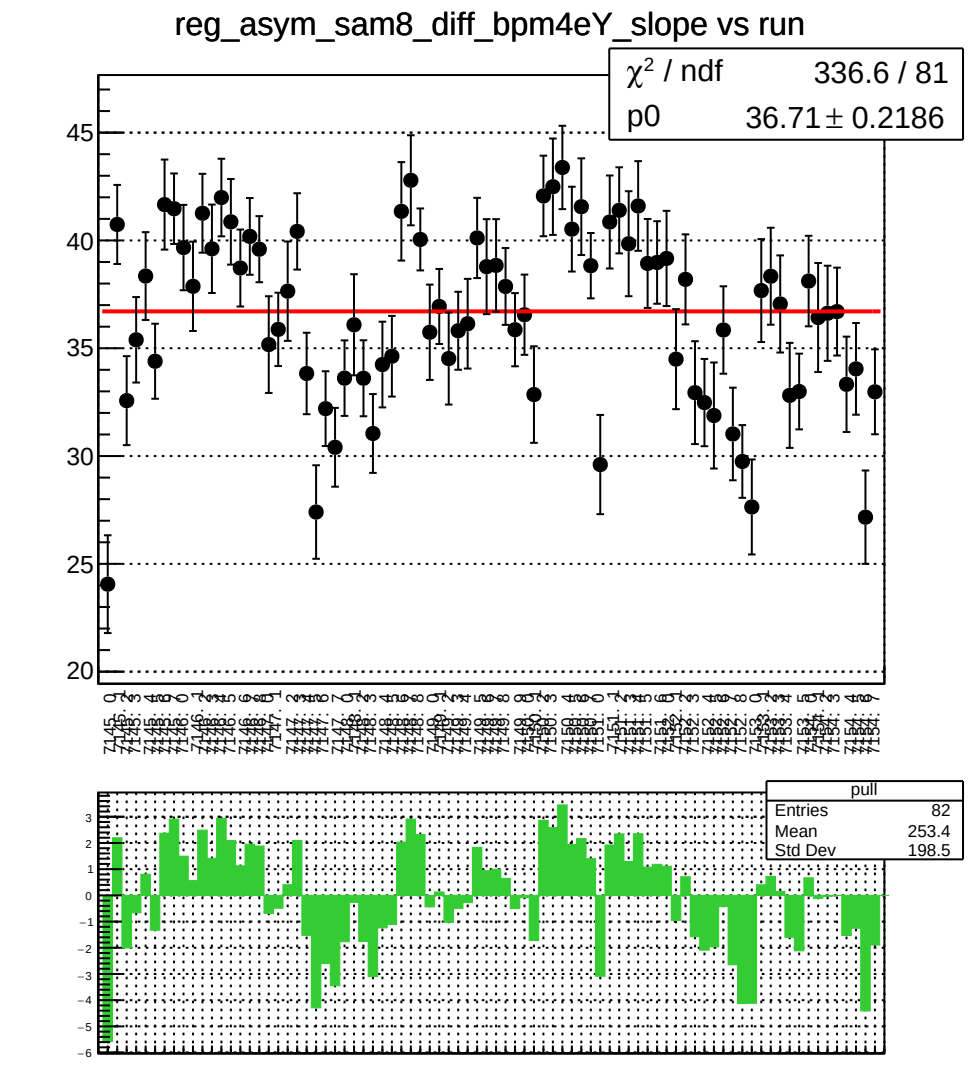

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 853.9 / 81
p0 −2.352 ± 0.233
pull
Entries 82
Mean 115.9
Std Dev 74.61

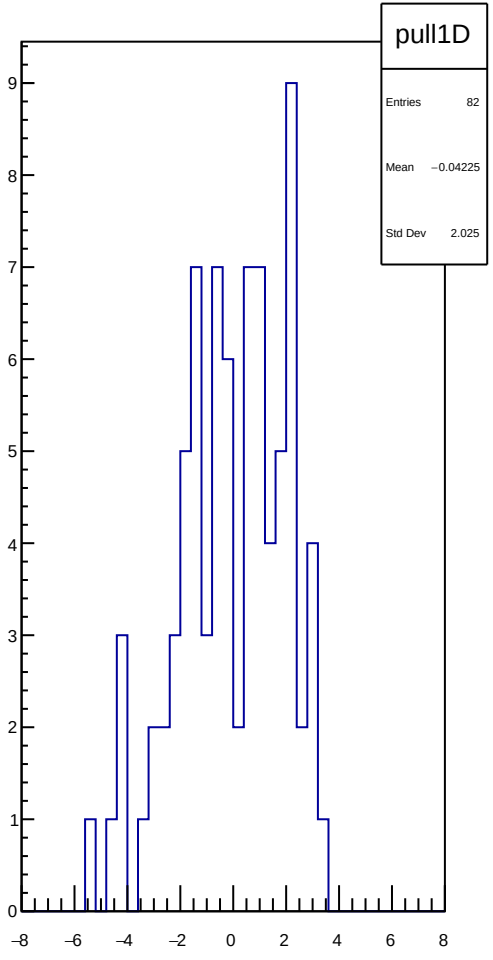

pull1D
Entries 82
Mean 0.4244
Std Dev 2.909

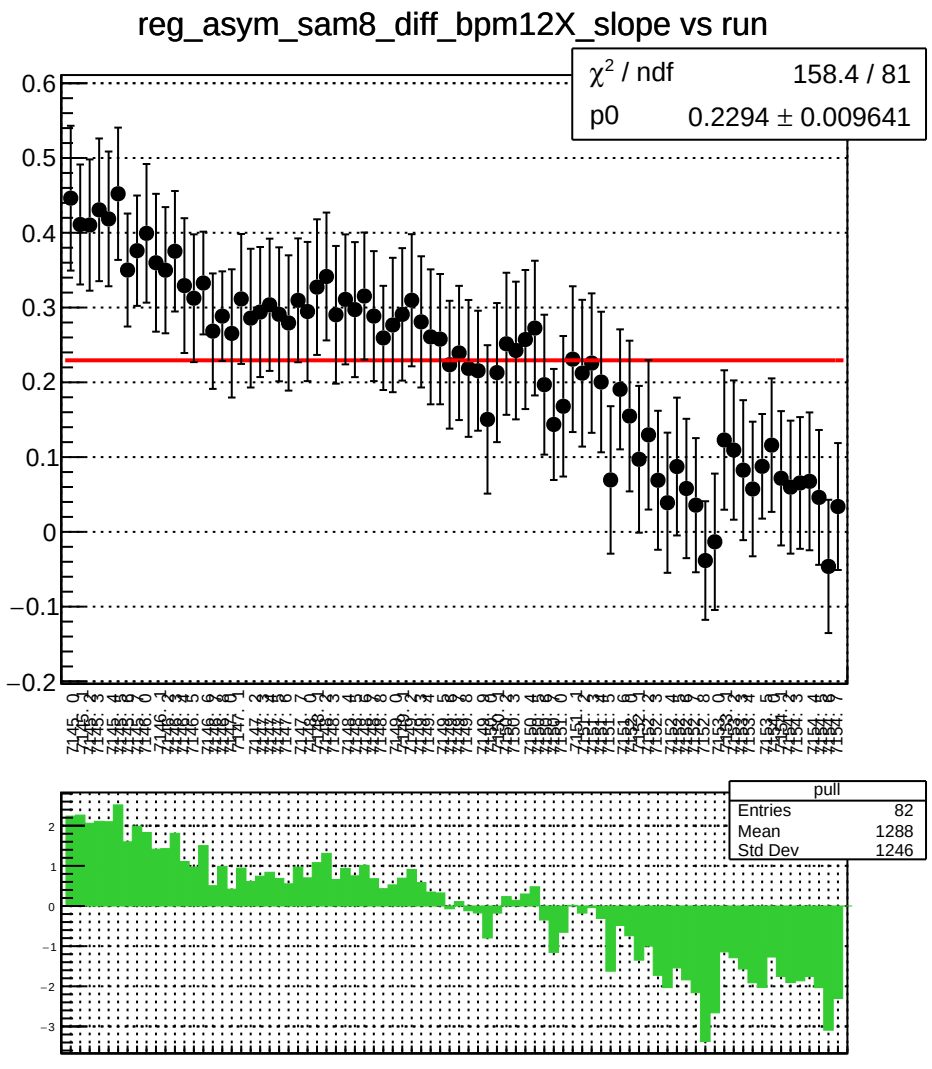

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 346.6 / 81
p0 −33.64 ± 0.1998
pull
Entries 82
Mean 44.23
Std Dev 56.81
pull1D
Entries 82
Mean 0.05851
Std Dev 2.055

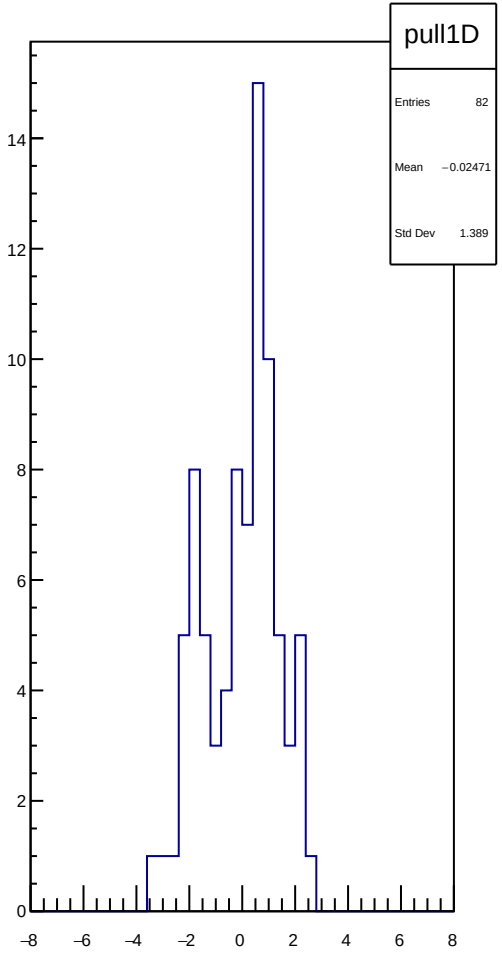

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 800.7 / 81
p0 −26.55 ± 0.2384
pull
Entries 82
Mean 123.1
Std Dev 81

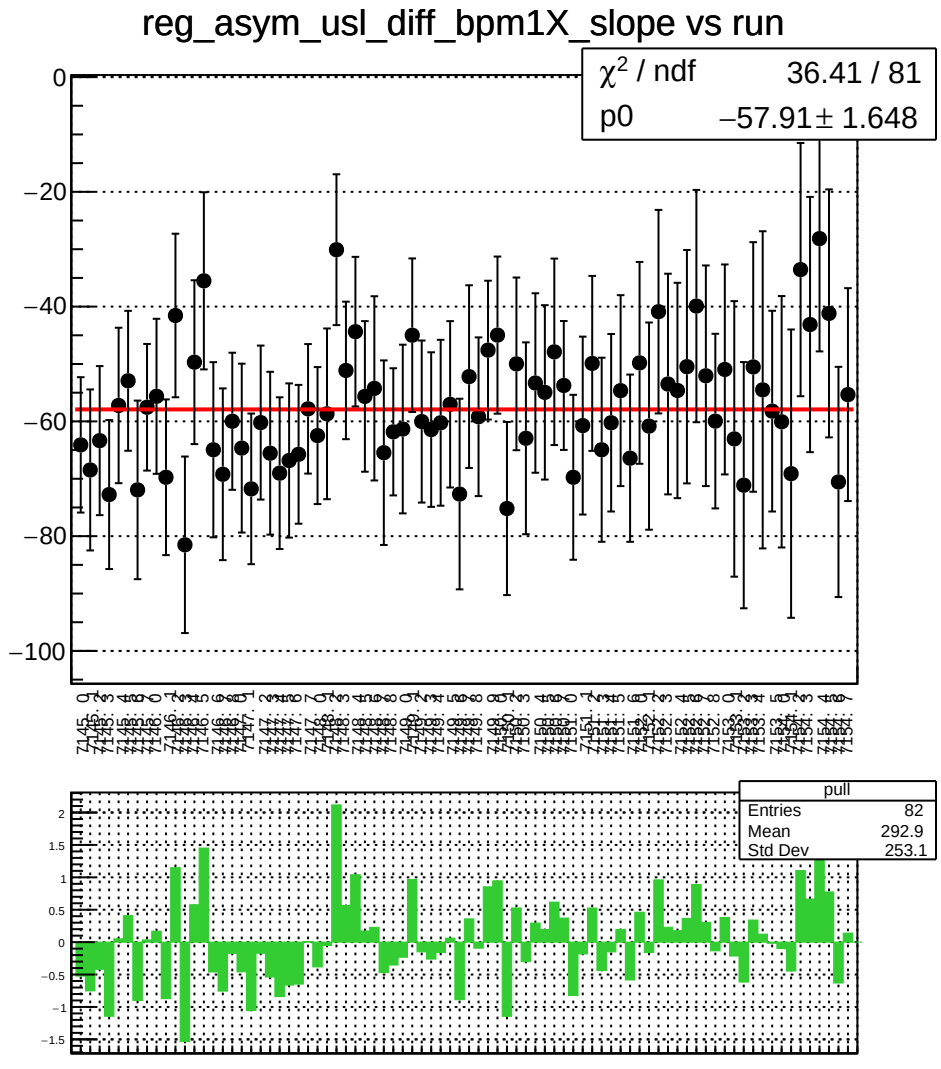

pull1D
Entries 82
Mean −0.4216
Std Dev 2.813

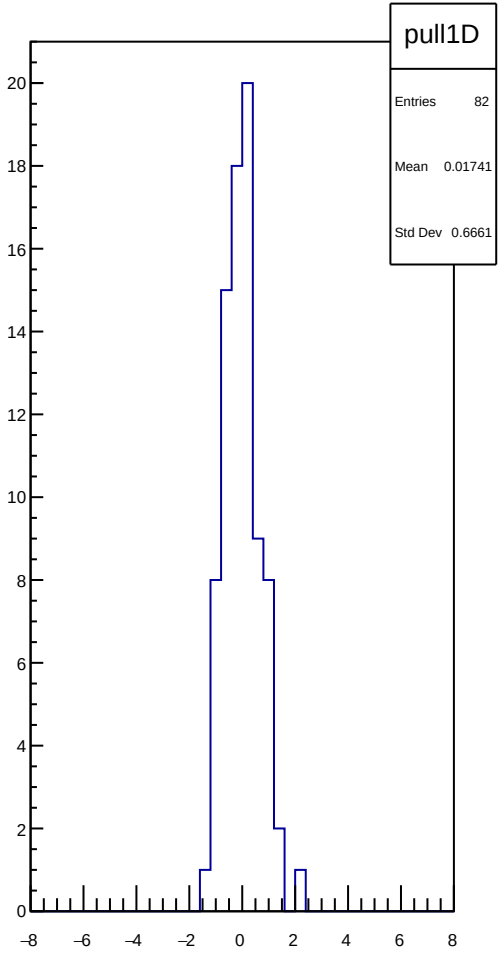

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 336.6 / 81
p0 36.71 ± 0.2186
pull
Entries 82
Mean 253.4
Std Dev 198.5

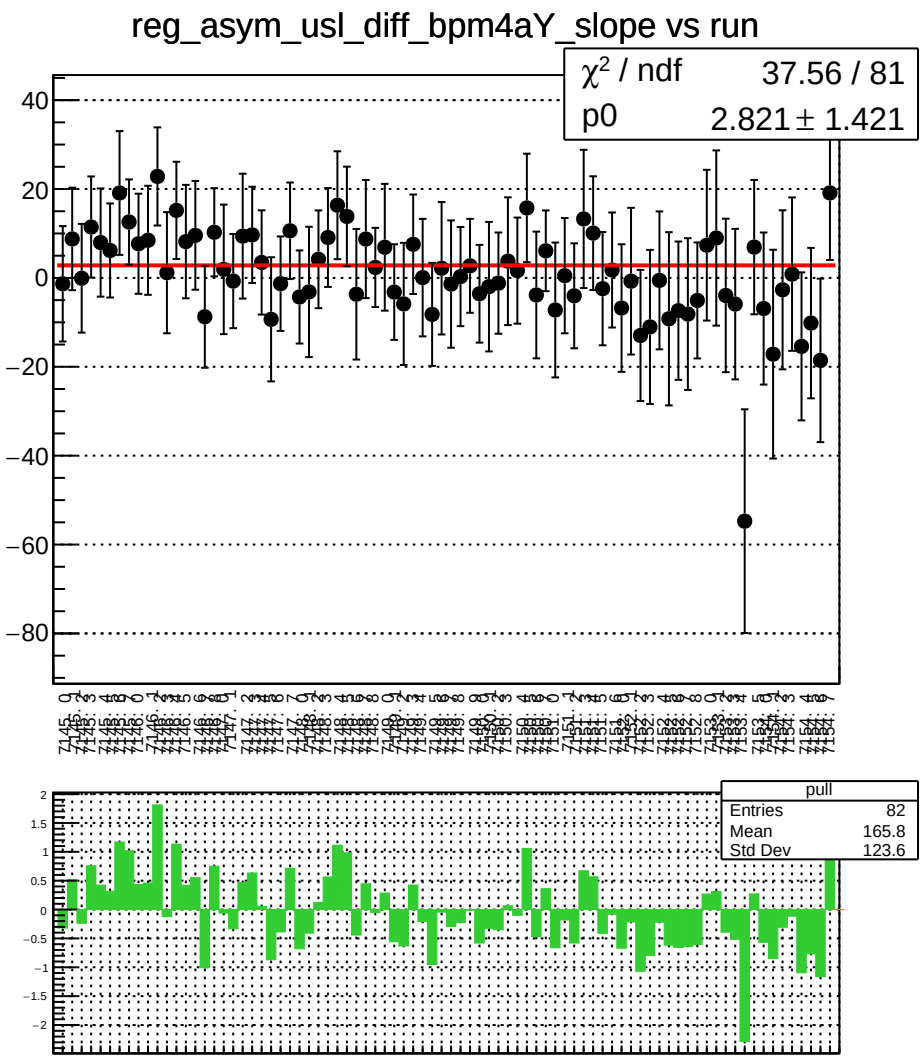

pull1D
Entries 82
Mean −0.04225
Std Dev 2.025

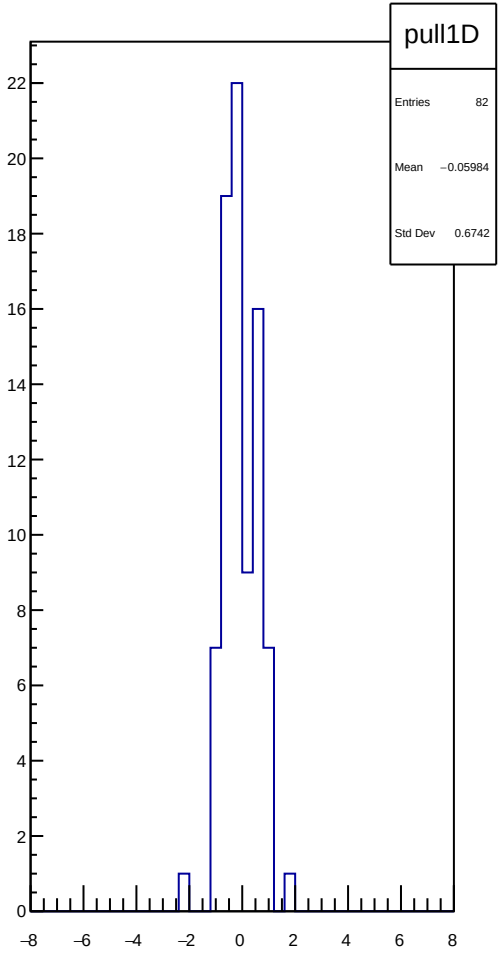

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 158.4 / 81
p0 0.2294 ± 0.009641
pull
Entries 82
Mean 1288
Std Dev 1246

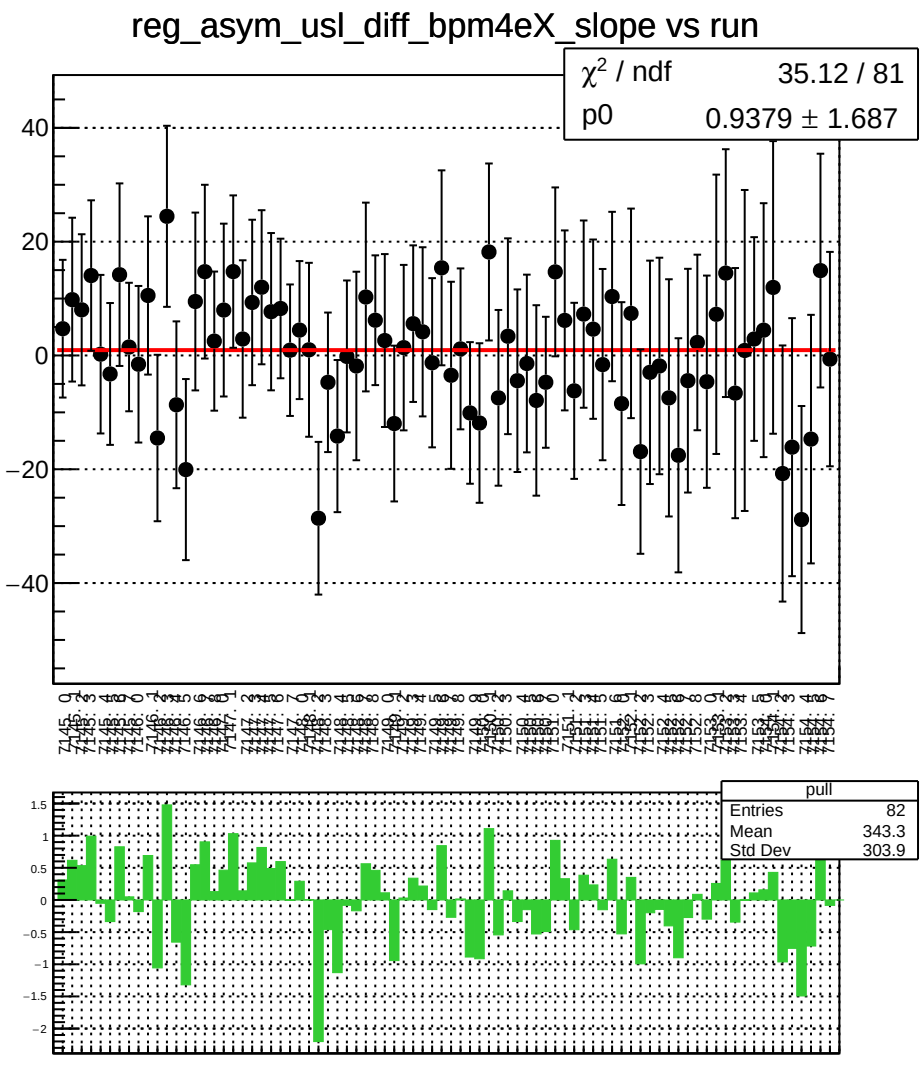

pull1D
Entries 82
Mean −0.02471
Std Dev 1.389

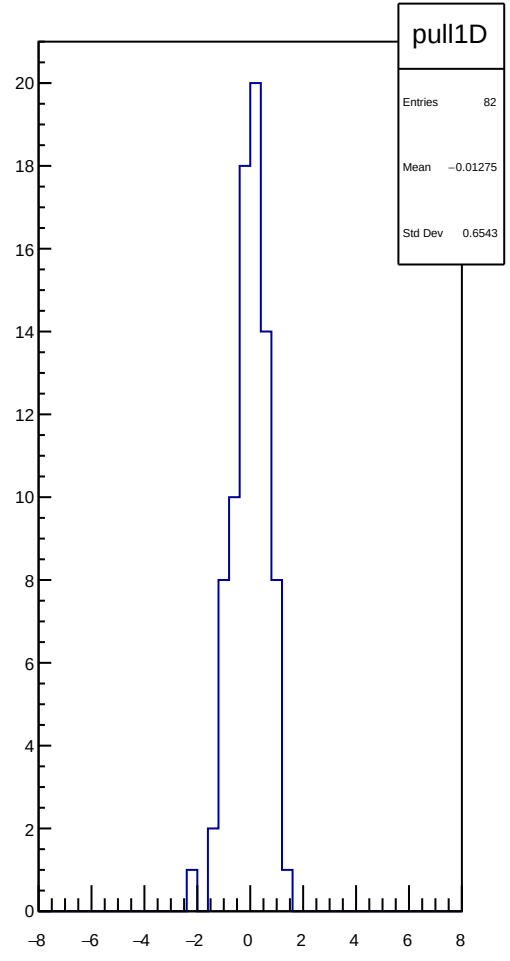

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 36.41 / 81
p0 −57.91 ± 1.648
pull
Entries 82
Mean 292.9
Std Dev 253.1

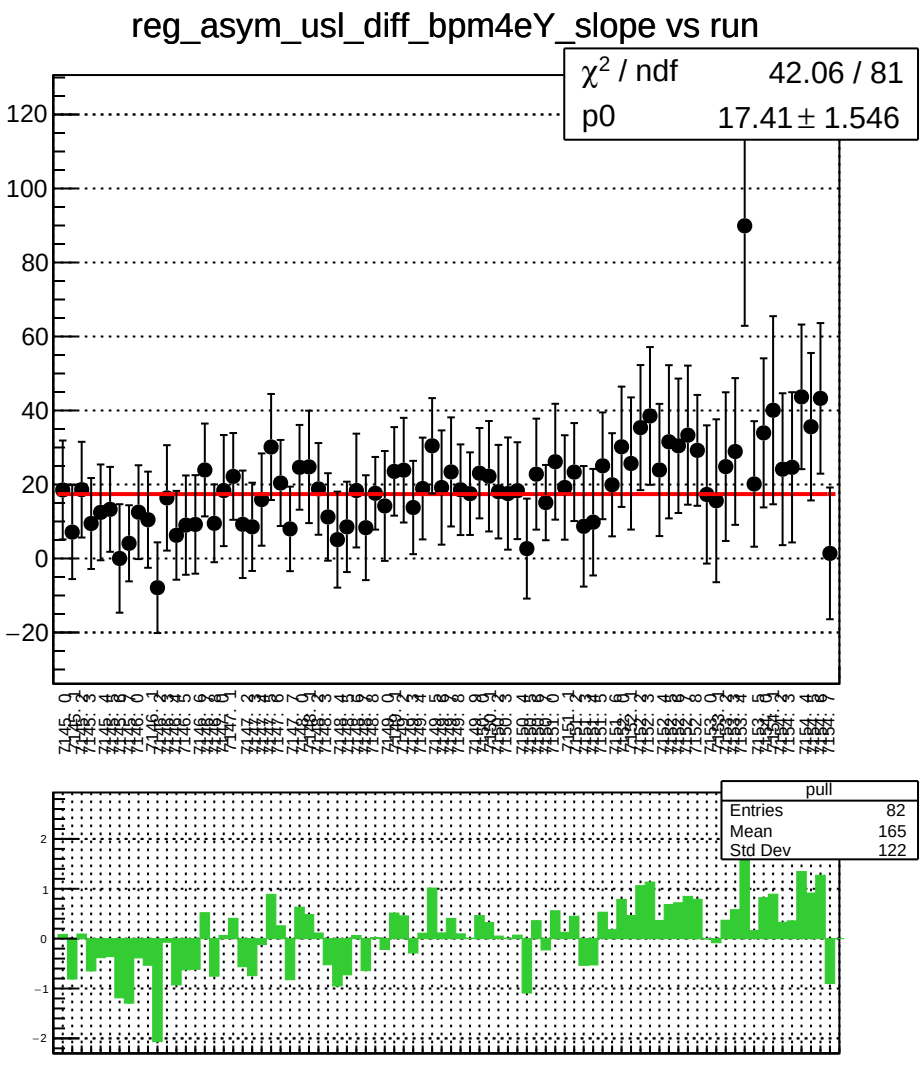

pull1D
Entries 82
Mean 0.01741
Std Dev 0.6661

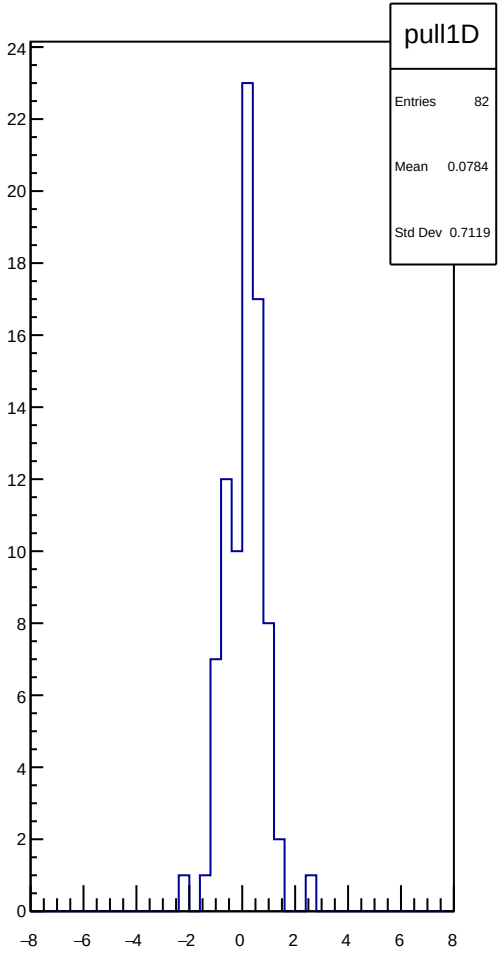

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 37.56 / 81
p0 2.821 ± 1.421
pull
Entries 82
Mean 165.8
Std Dev 123.6

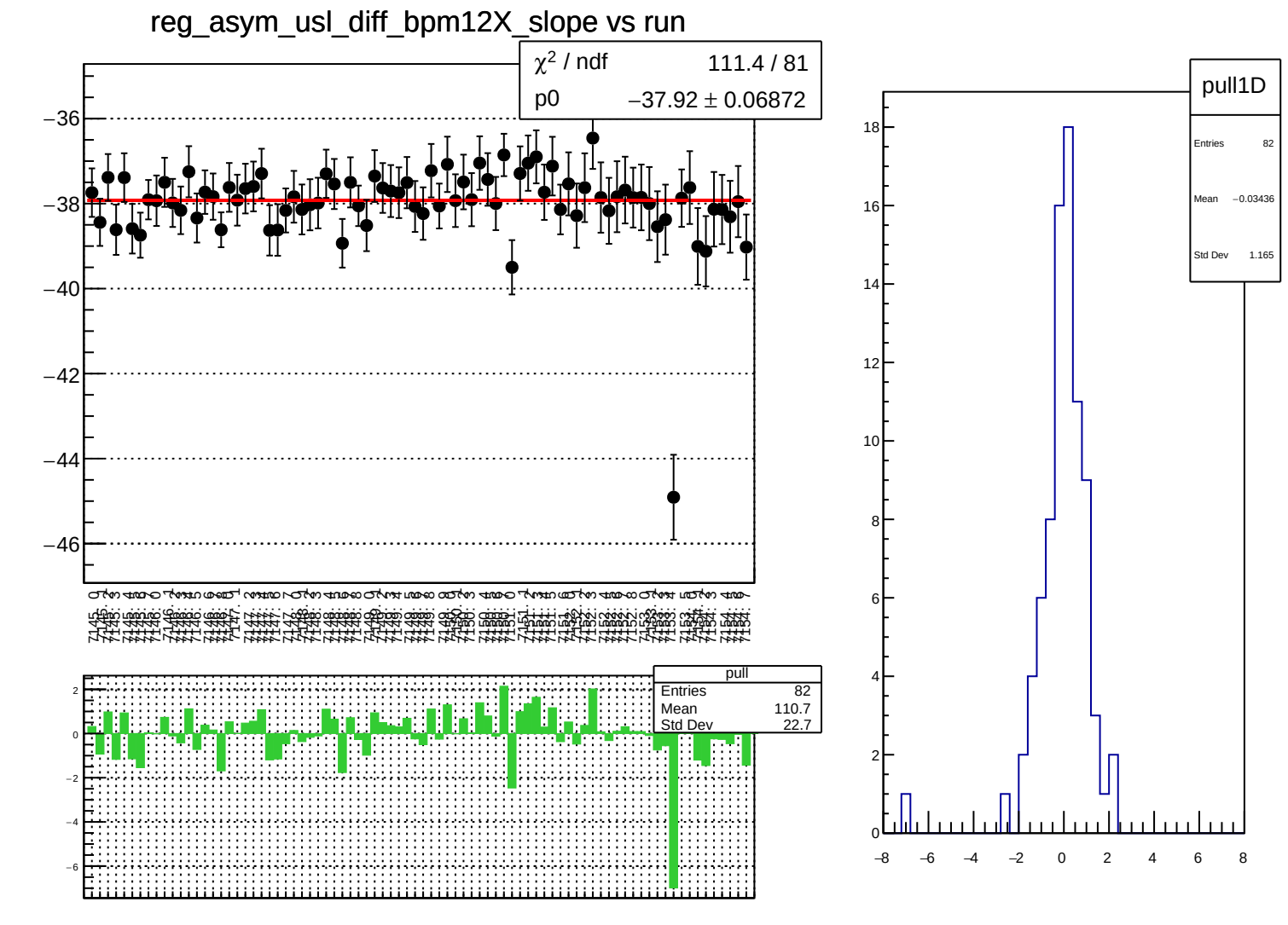

pull1D
Entries 82
Mean −0.05984
Std Dev 0.6742

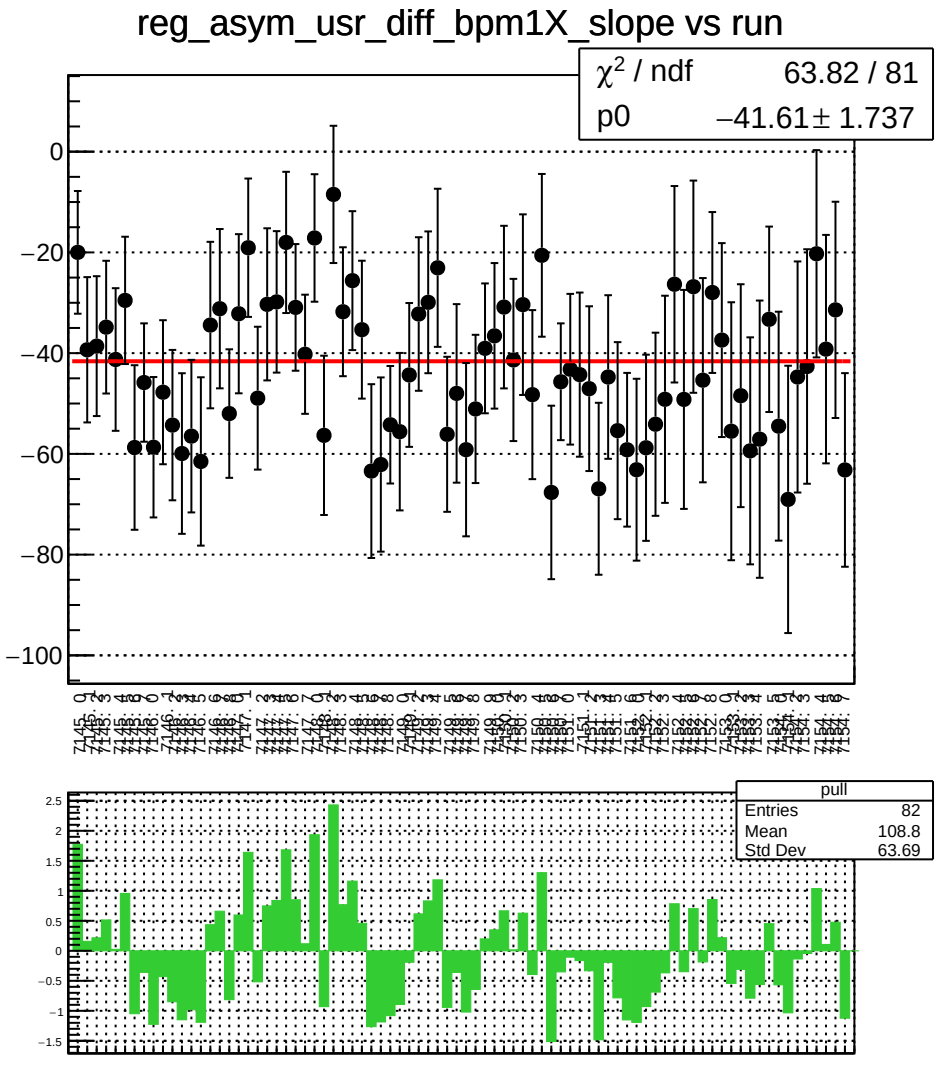

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 35.12 / 81
p0 0.9379 ± 1.687
pull
Entries 82
Mean 343.3
Std Dev 303.9

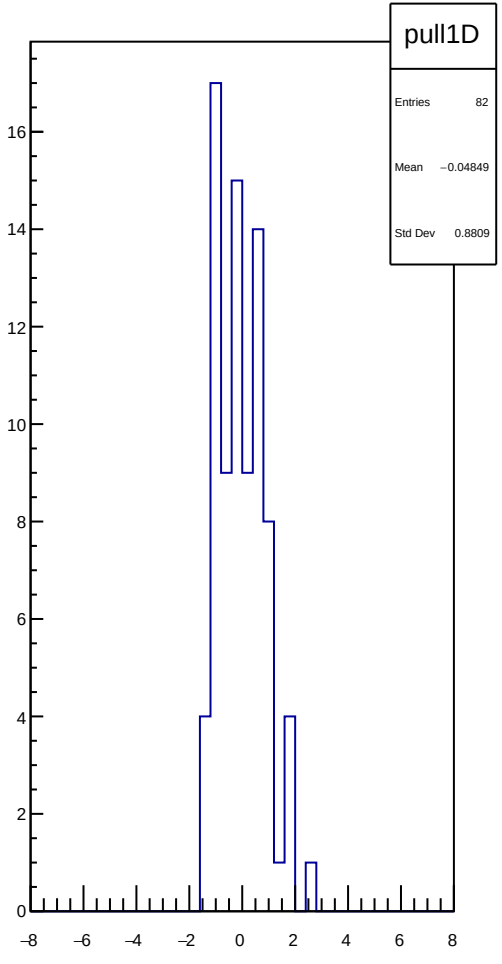

pull1D
Entries 82
Mean −0.01275
Std Dev 0.6543

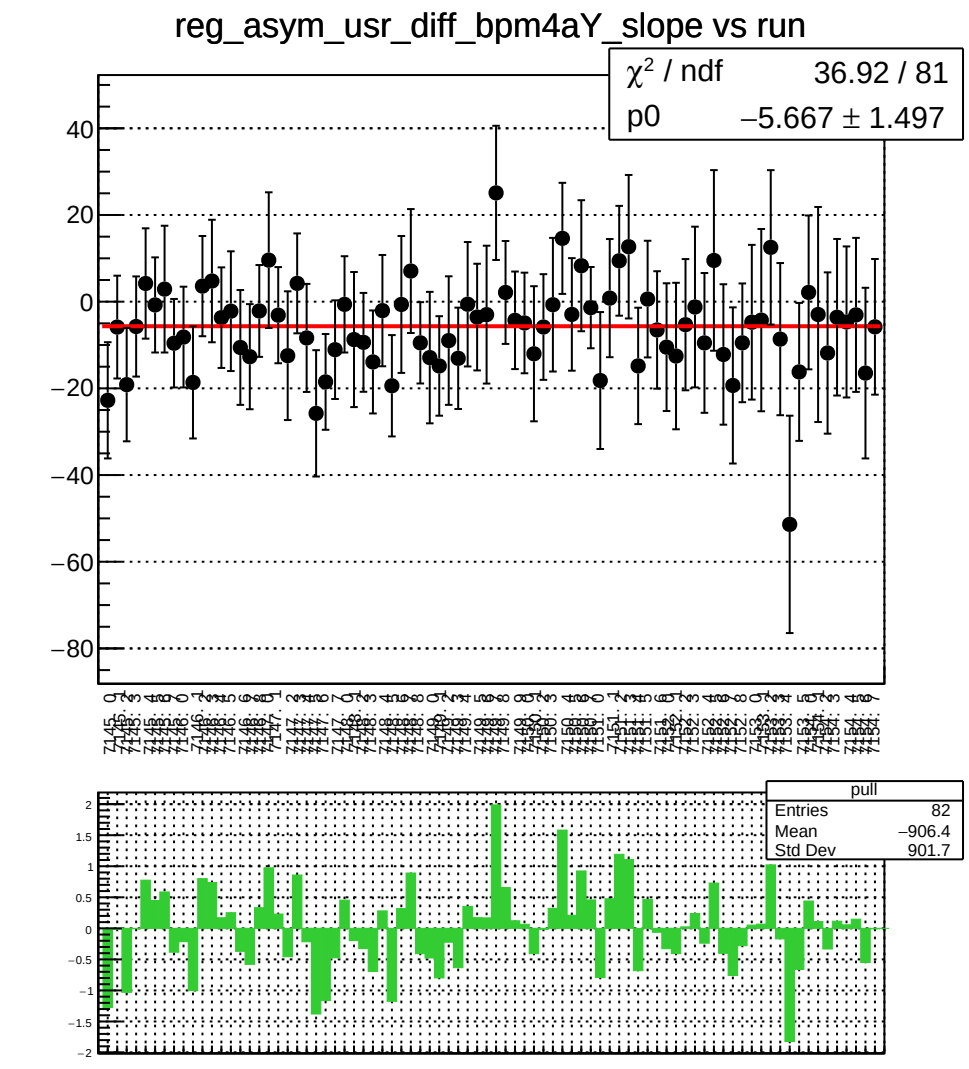

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 42.06 / 81
p0 17.41 ± 1.546
pull
Entries 82
Mean 165
Std Dev 122

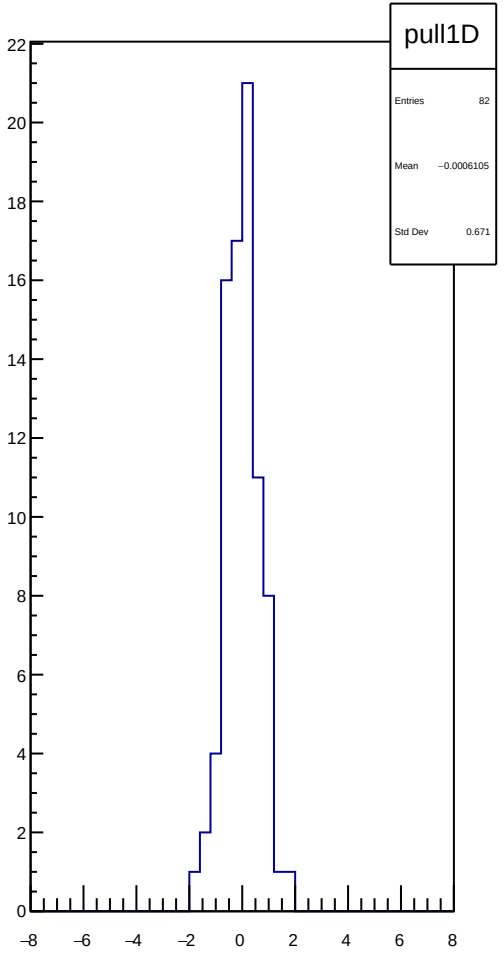

pull1D
Entries 82
Mean 0.0784
Std Dev 0.7119

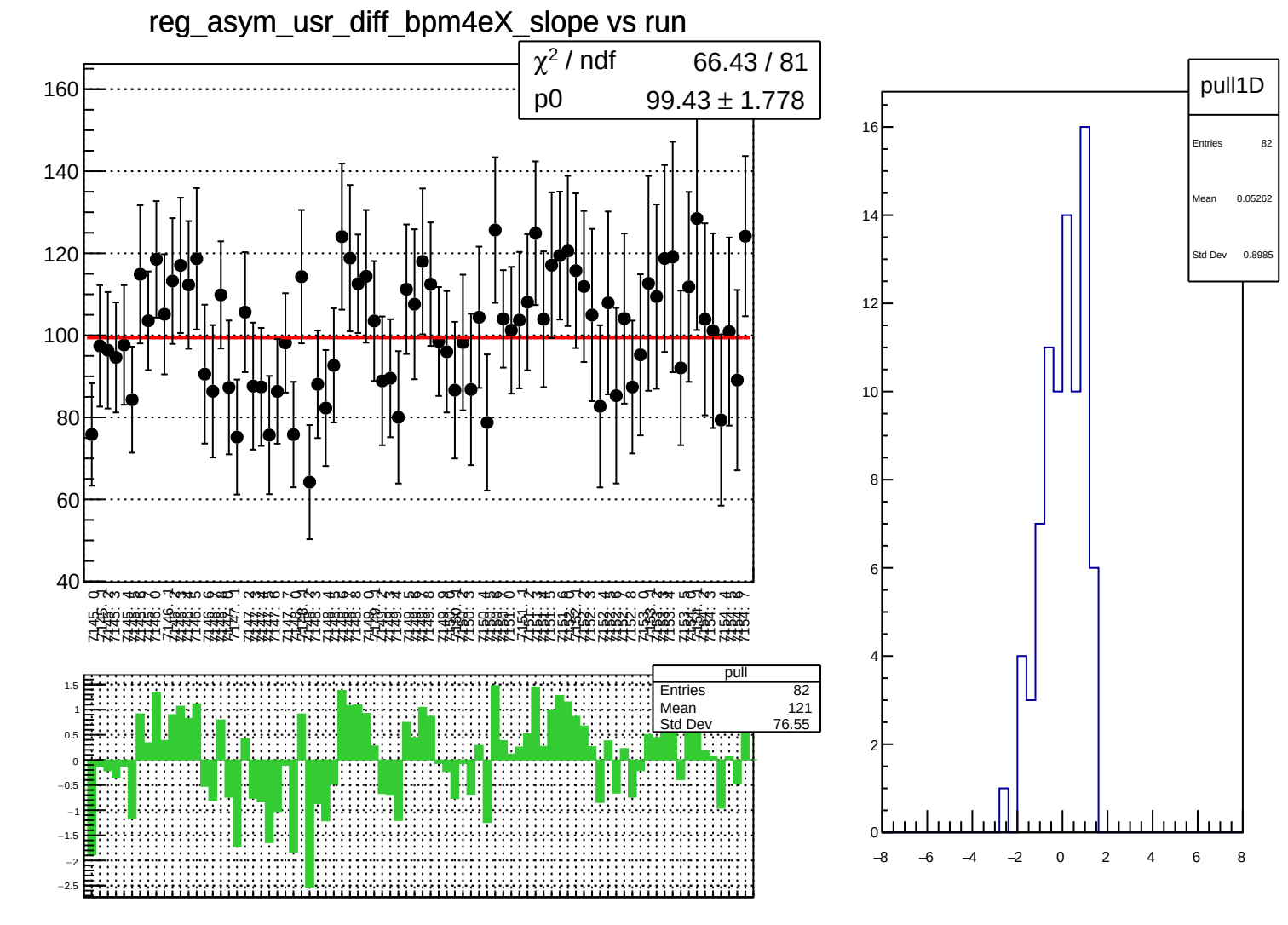

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 111.4 / 81
p0 −37.92 ± 0.06872
pull
Entries 82
Mean 110.7
Std Dev 22.7
pull1D
Entries 82
Mean −0.03436
Std Dev 1.165

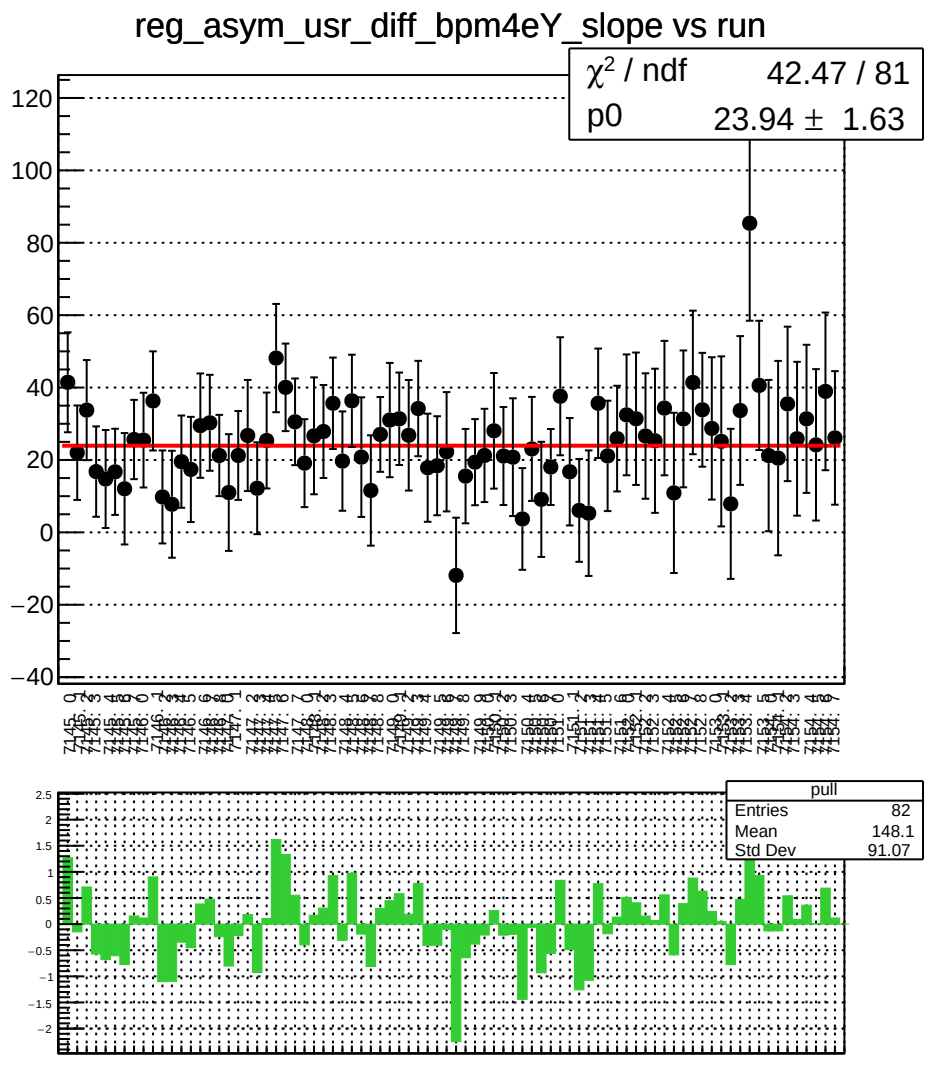

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 63.82 / 81
p0 −41.61 ± 1.737
pull
Entries 82
Mean 108.8
Std Dev 63.69

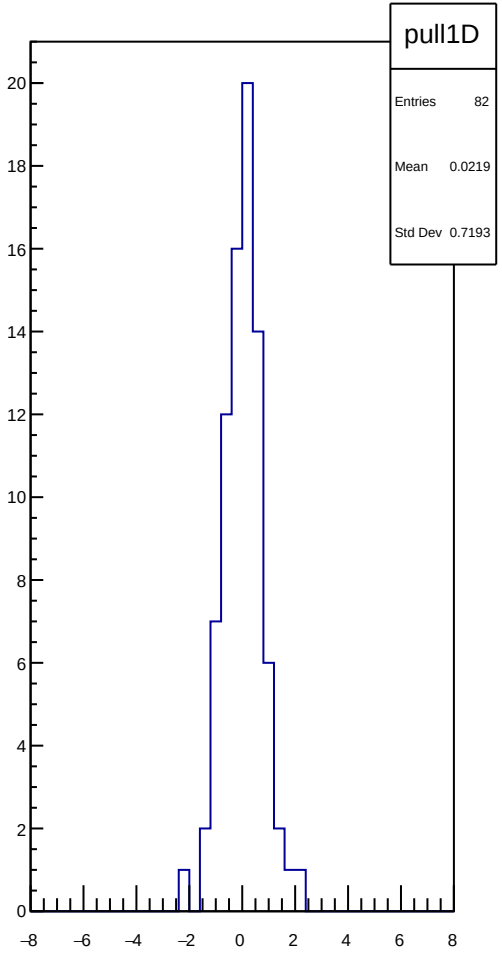

pull1D
Entries 82
Mean −0.04849
Std Dev 0.8809

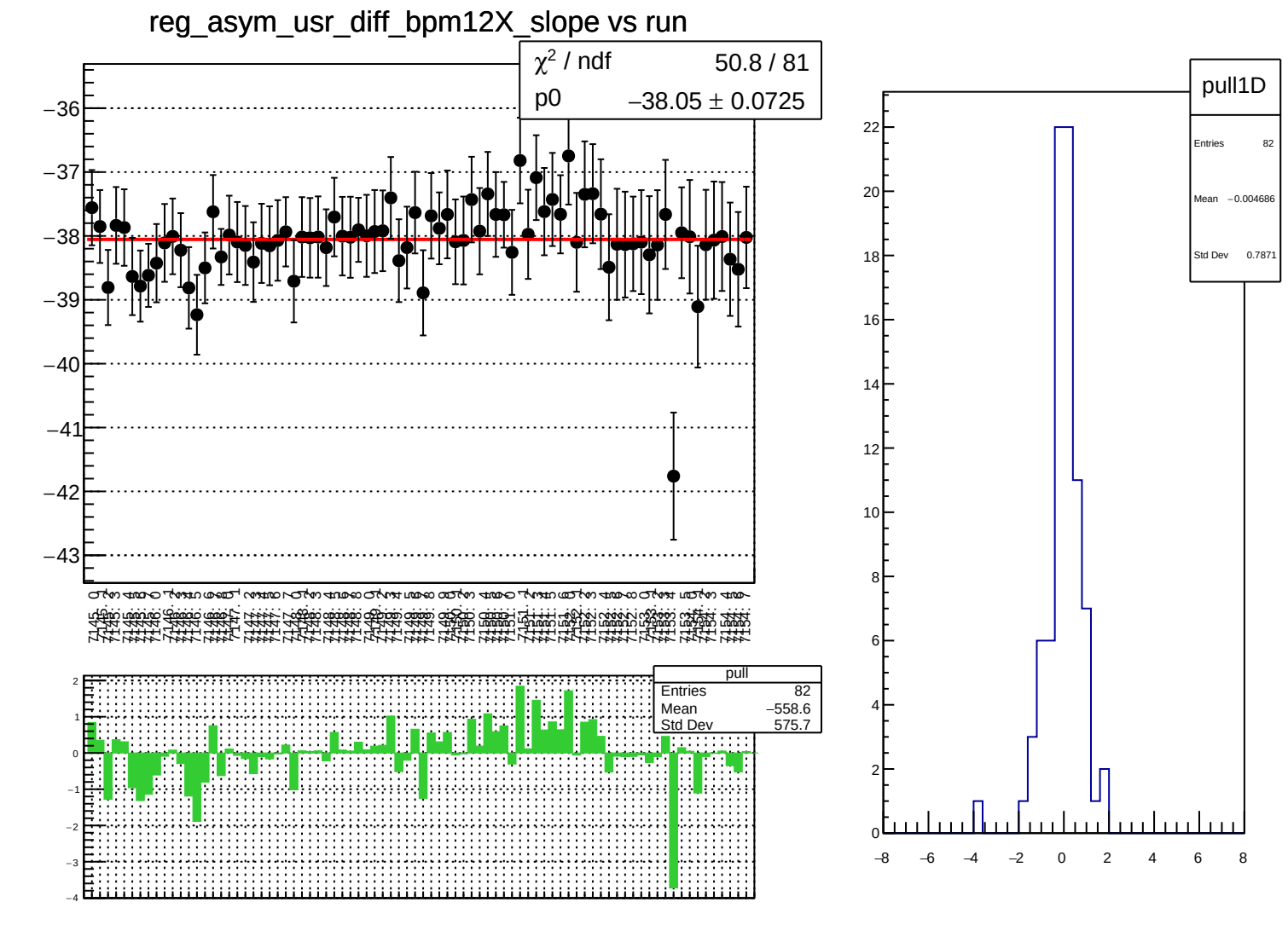

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 36.92 / 81
p0 −5.667 ± 1.497
pull
Entries 82
Mean −906.4
Std Dev 901.7

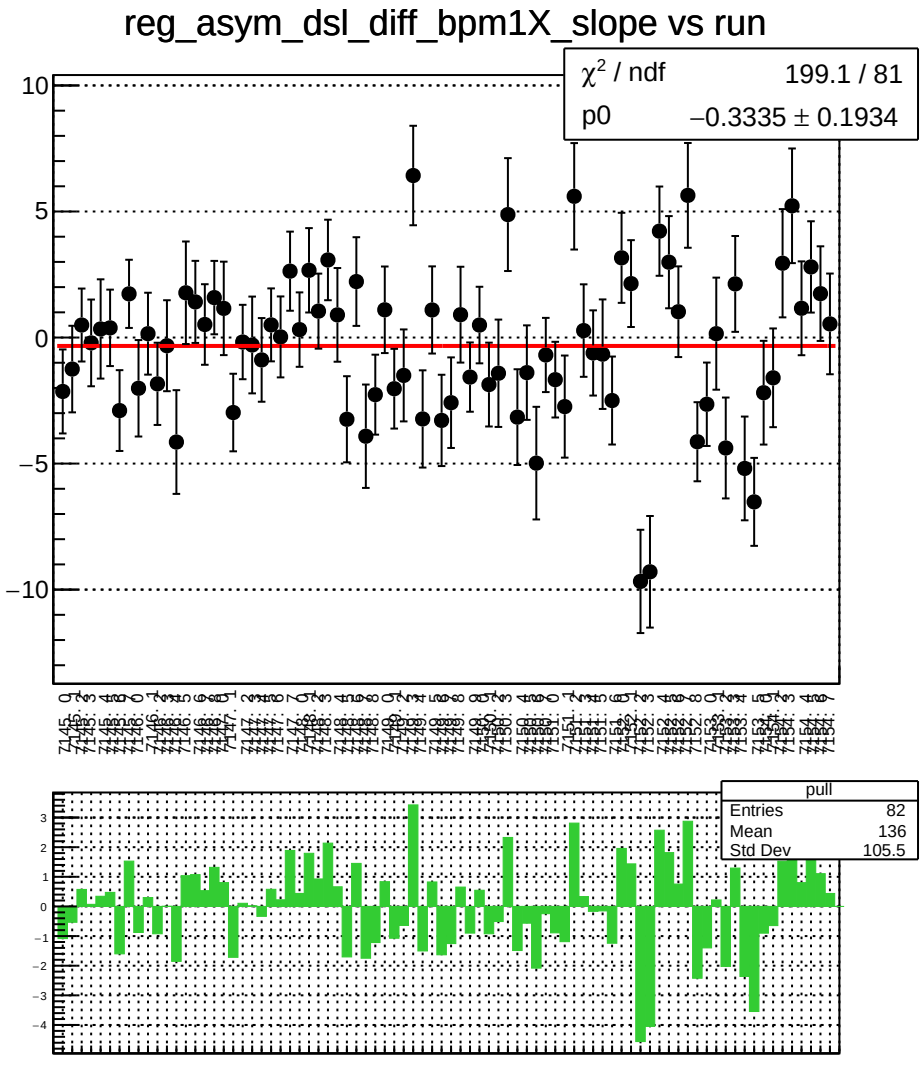

pull1D
Entries 82
Mean −0.0006105
Std Dev 0.671

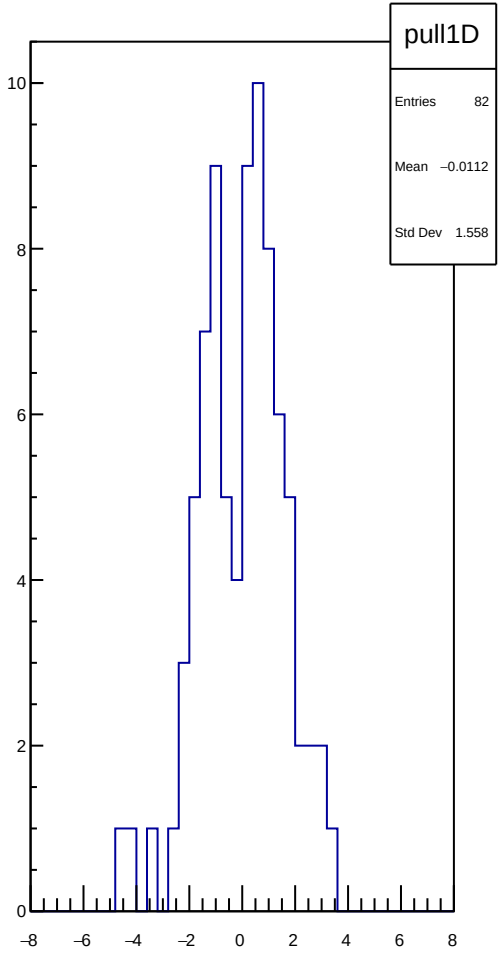

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 66.43 / 81
p0 99.43 ± 1.778
pull
Entries 82
Mean 121
Std Dev 76.55
pull1D
Entries 82
Mean 0.05262
Std Dev 0.8985

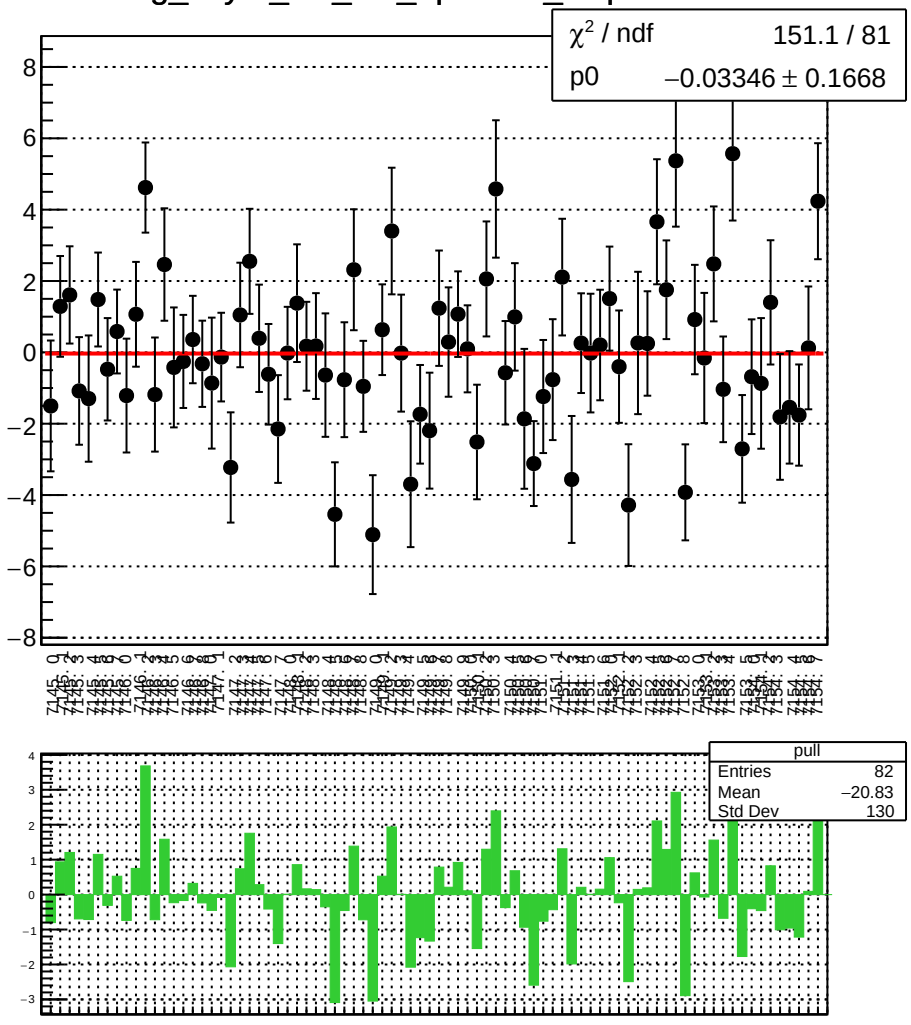

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 42.47 / 81
p0 23.94 ± 1.63
pull
Entries 82
Mean 148.1
Std Dev 91.07

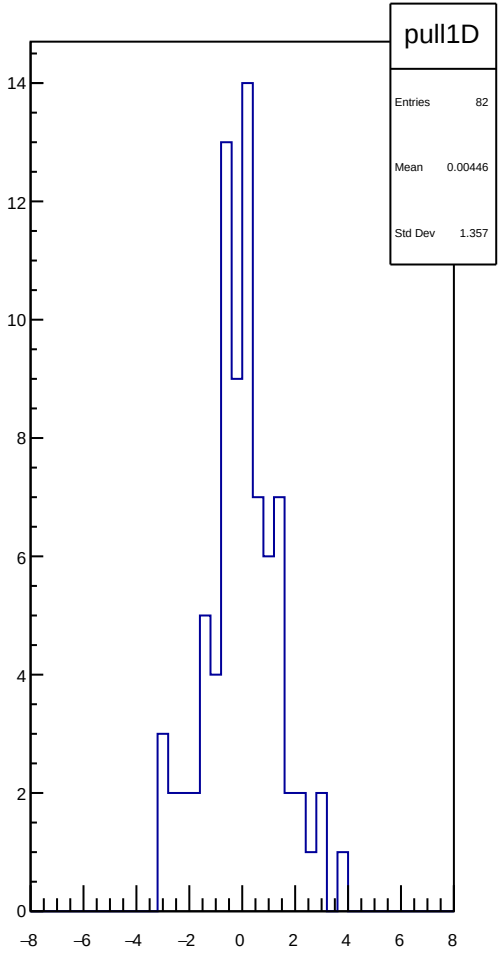

pull1D
Entries 82
Mean 0.0219
Std Dev 0.7193

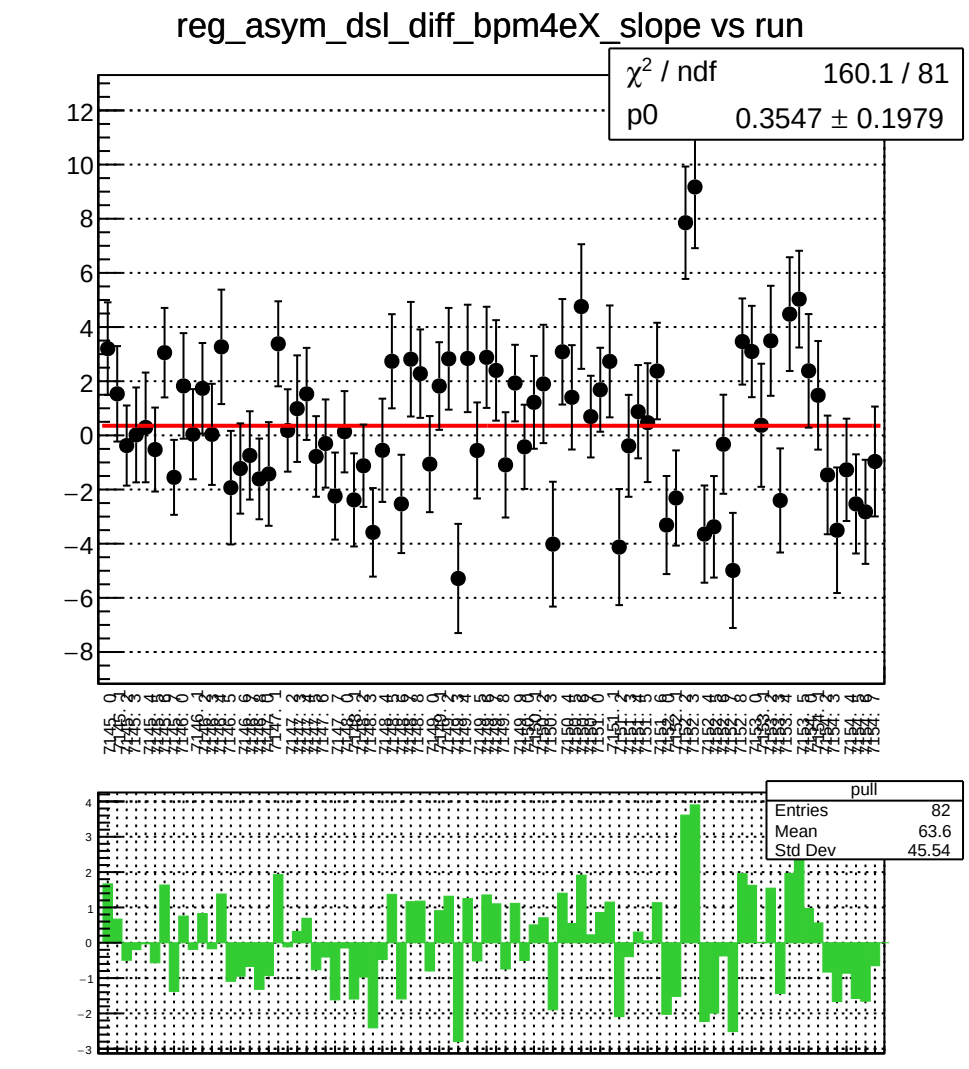

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 50.8 / 81
p0 −38.05 ± 0.0725
pull
Entries 82
Mean −558.6
Std Dev 575.7
pull1D
Entries 82
Mean −0.004686
Std Dev 0.7871

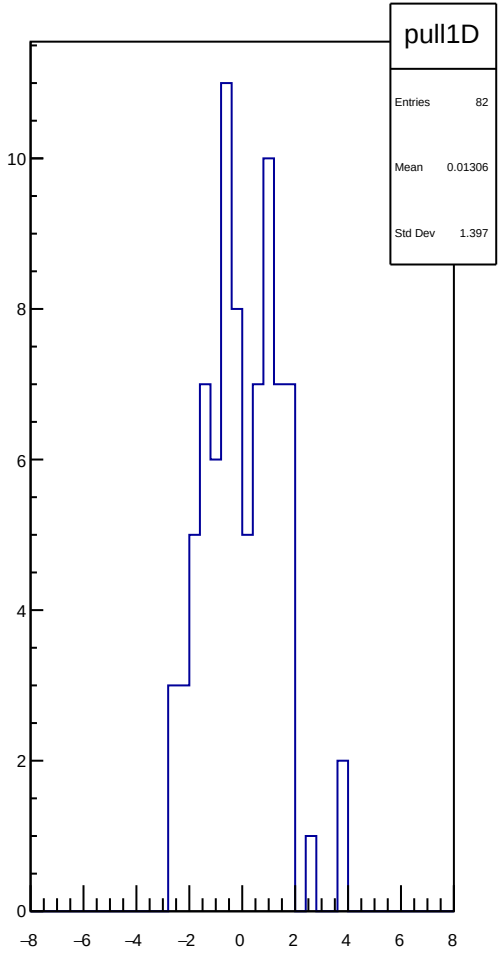

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 199.1 / 81
p0 −0.3335 ± 0.1934
pull
Entries 82
Mean 136
Std Dev 105.5

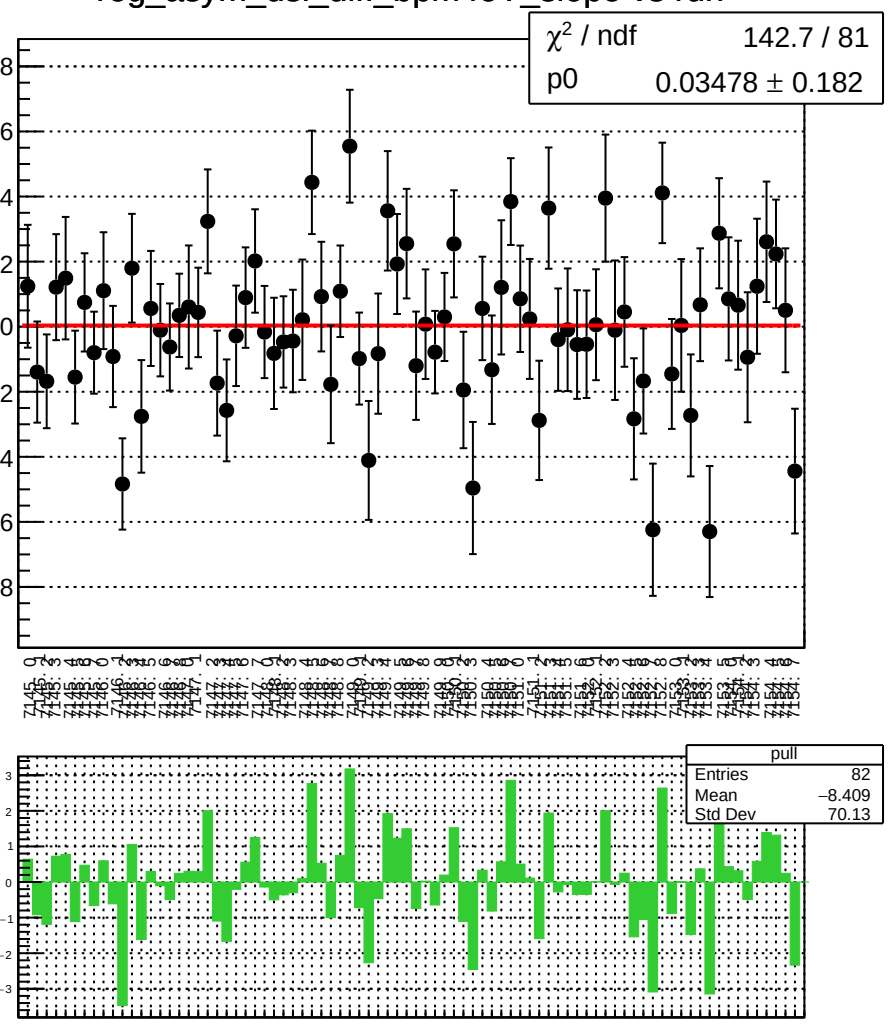

pull1D
Entries 82
Mean −0.0112
Std Dev 1.558

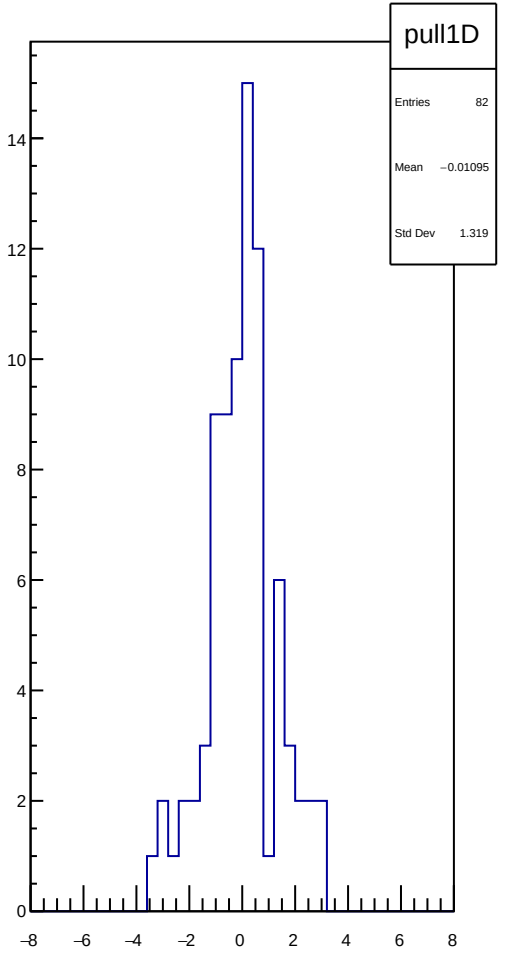

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 151.1 / 81
p0 −0.03346 ± 0.1668
pull
Entries 82
Mean −20.83
Std Dev 130

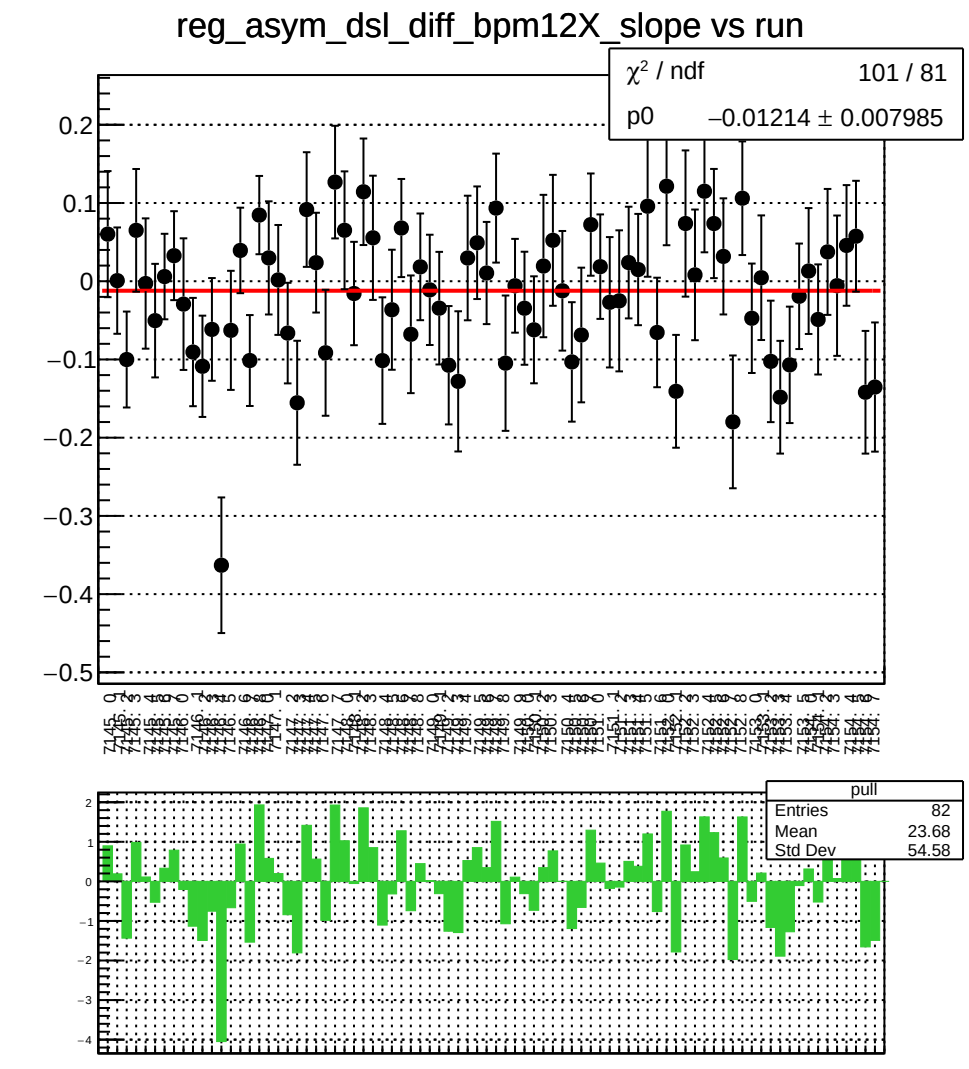

pull1D
Entries 82
Mean 0.00446
Std Dev 1.357

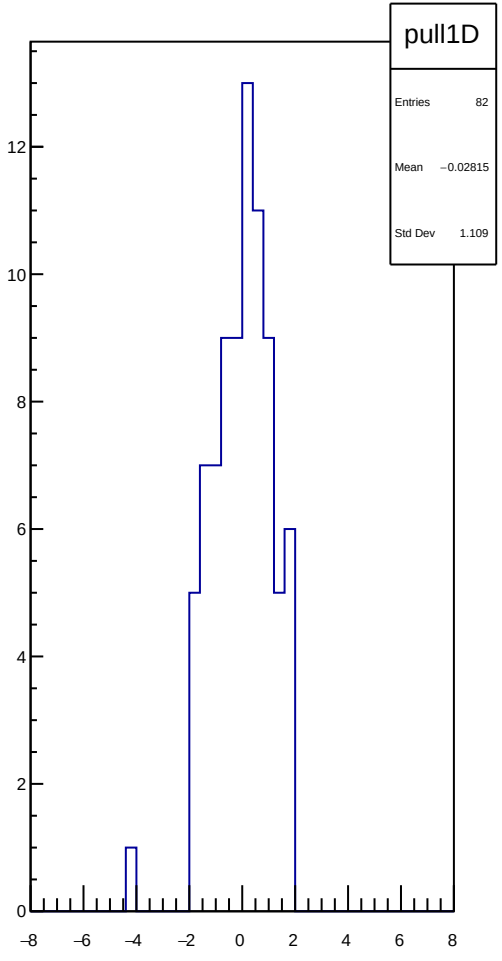

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 160.1 / 81
p0 0.3547 ± 0.1979
pull
Entries 82
Mean 63.6
Std Dev 45.54


pull1D
Entries 82
Mean 0.01306
Std Dev 1.397

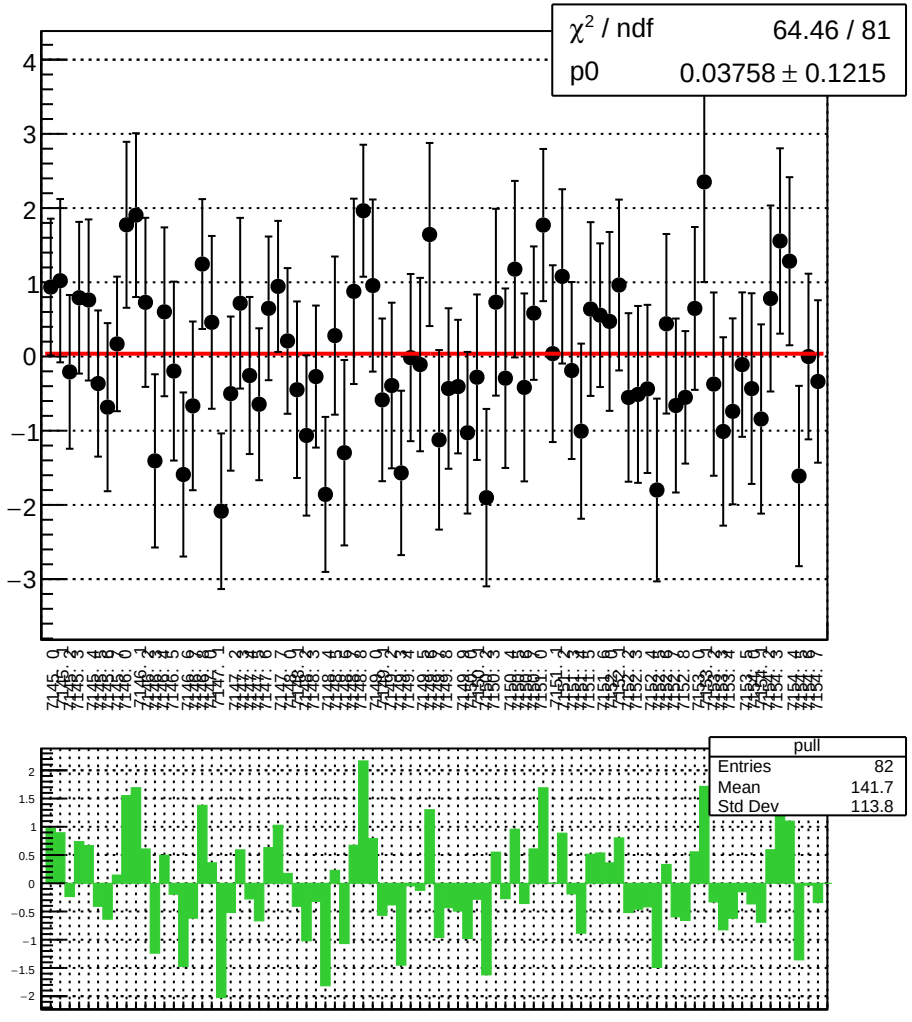

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 142.7 / 81
p0 0.03478 ± 0.182
pull
Entries 82
Mean −8.409
Std Dev 70.13

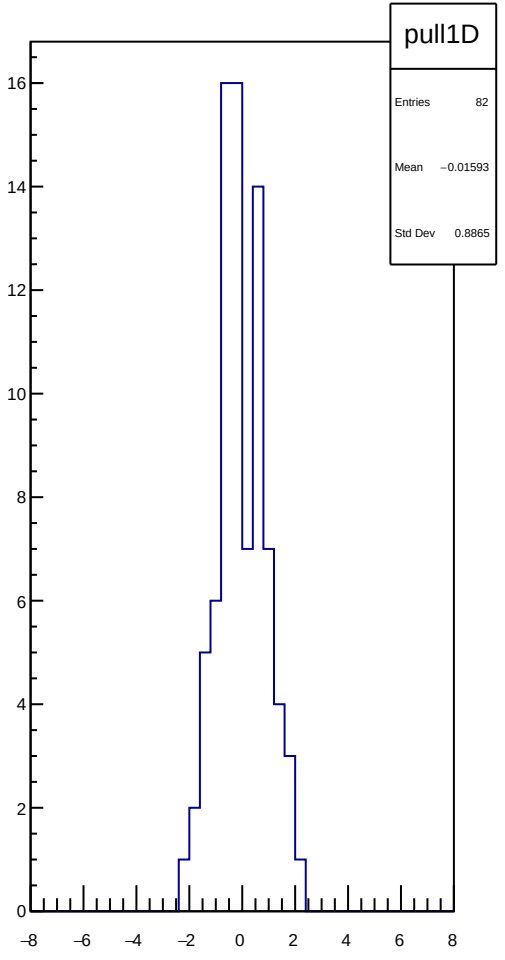

pull1D
Entries 82
Mean −0.01095
Std Dev 1.319

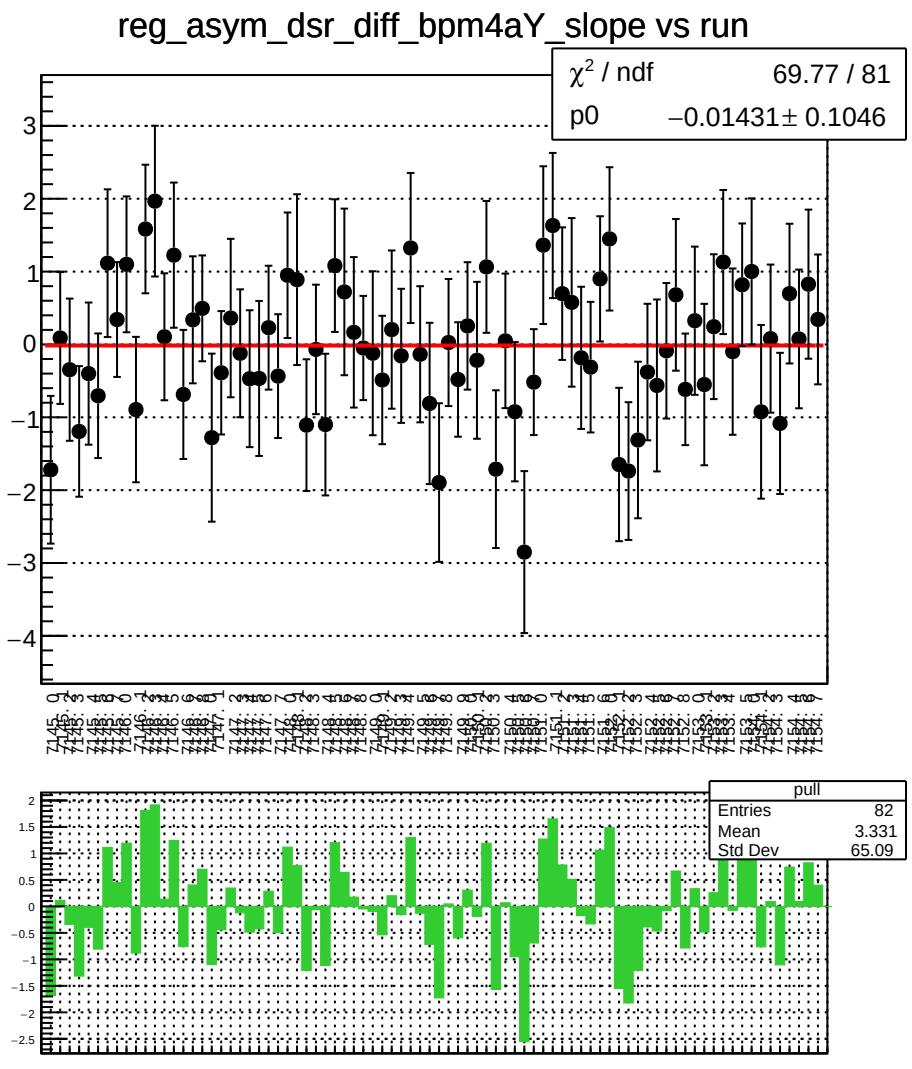

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 101 / 81
p0 −0.01214 ± 0.007985
pull
Entries 82
Mean 23.68
Std Dev 54.58

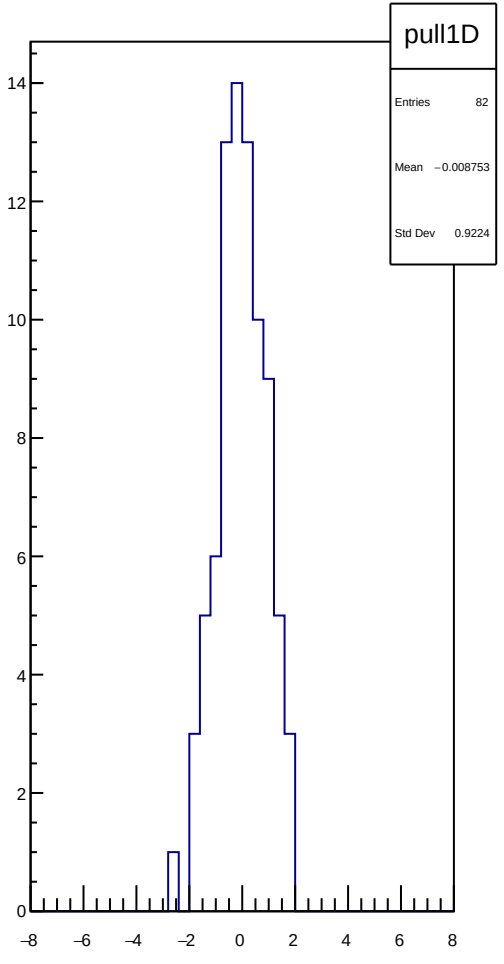

pull1D
Entries 82
Mean −0.02815
Std Dev 1.109

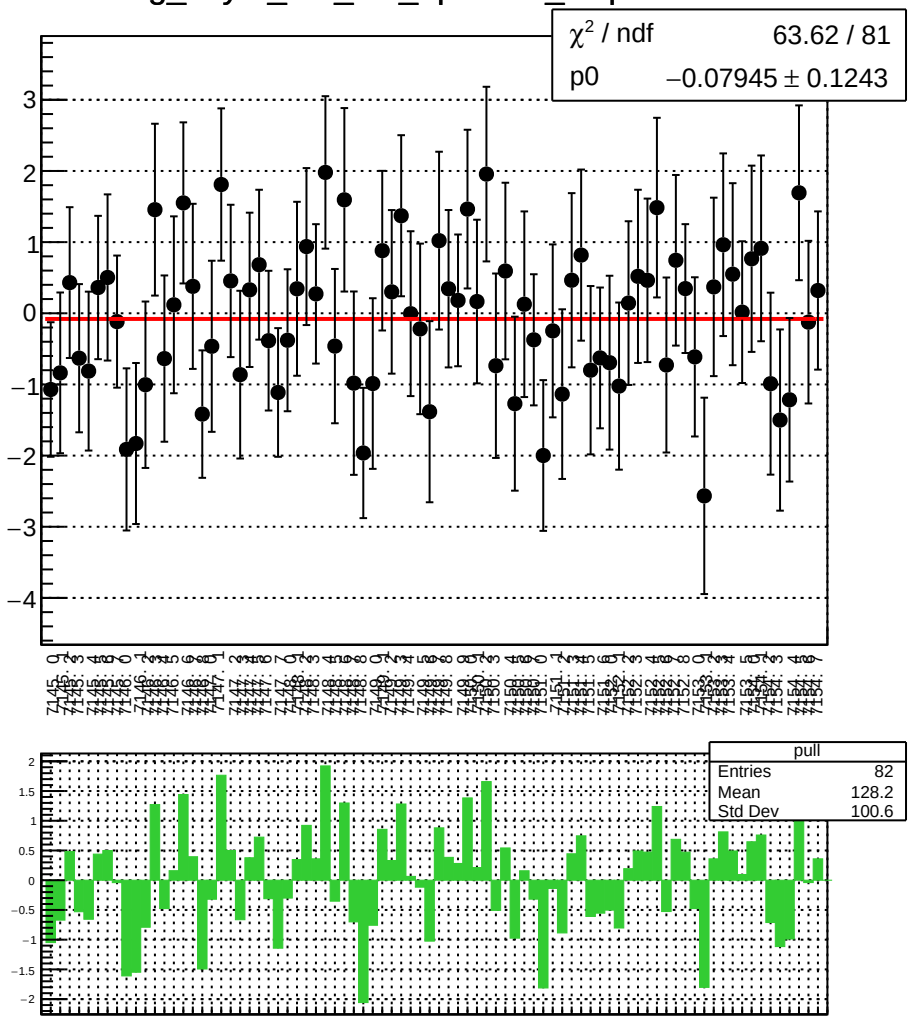
reg_asym_dsr_diff_bpm1X_slope vs run

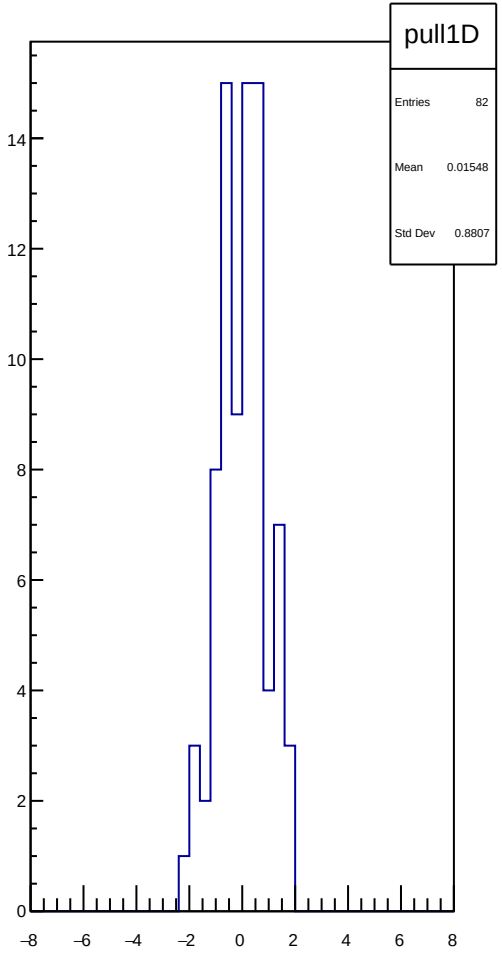


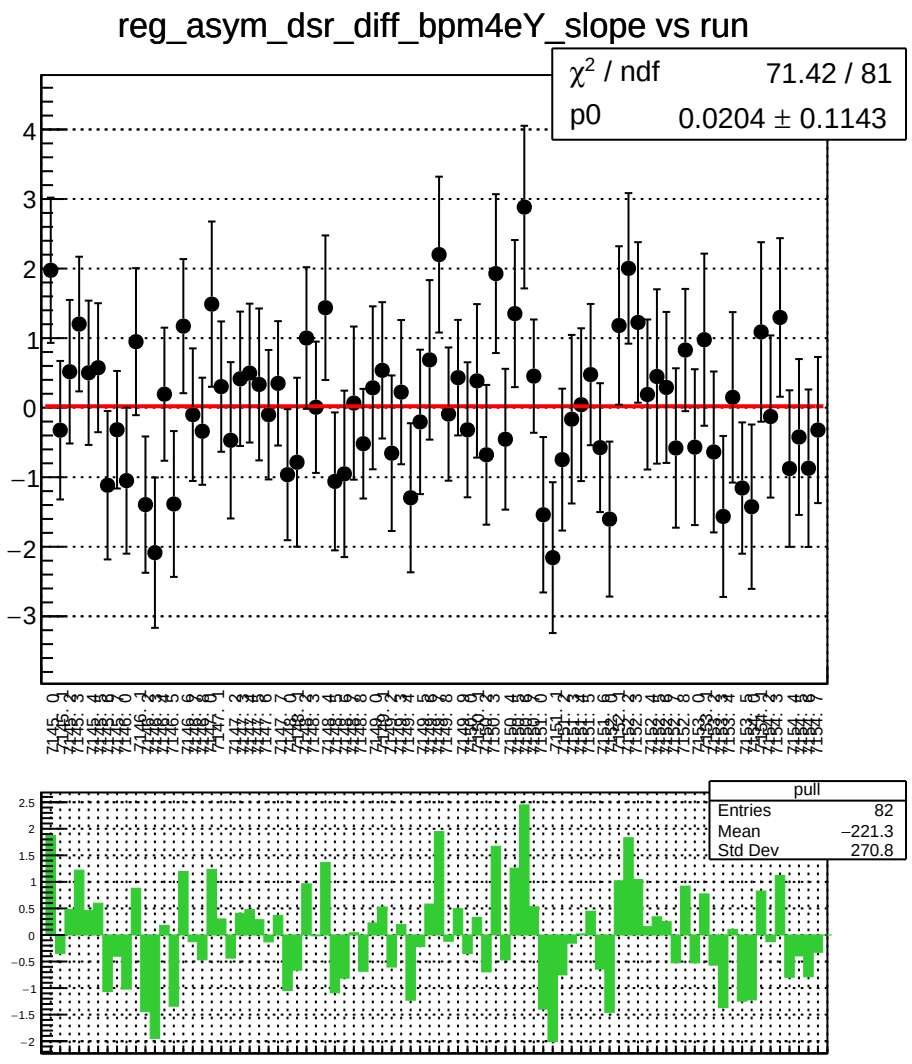


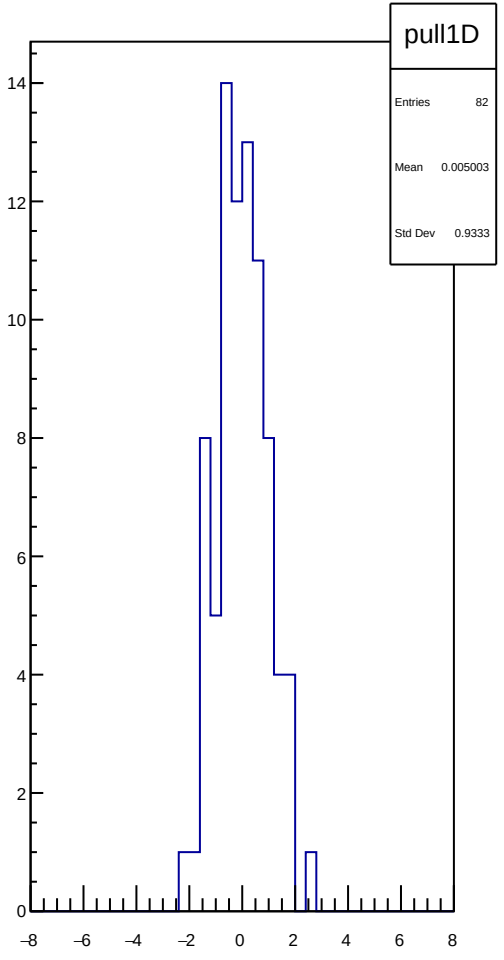

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 69.77 / 81
p0 −0.01431± 0.1046
pull
Entries 82
Mean 3.331
Std Dev 65.09

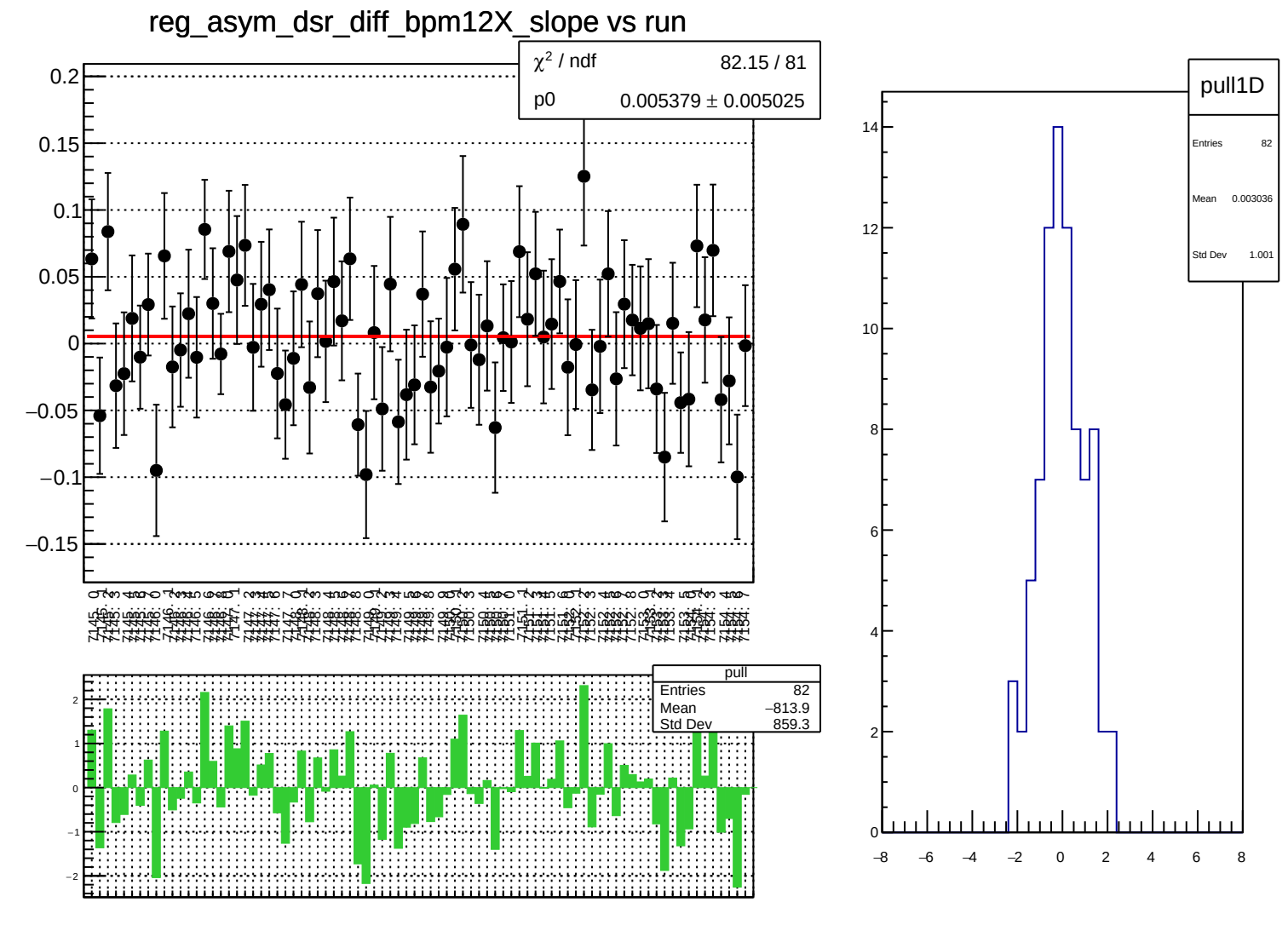

pull1D
Entries 82
Mean −0.008753
Std Dev 0.9224

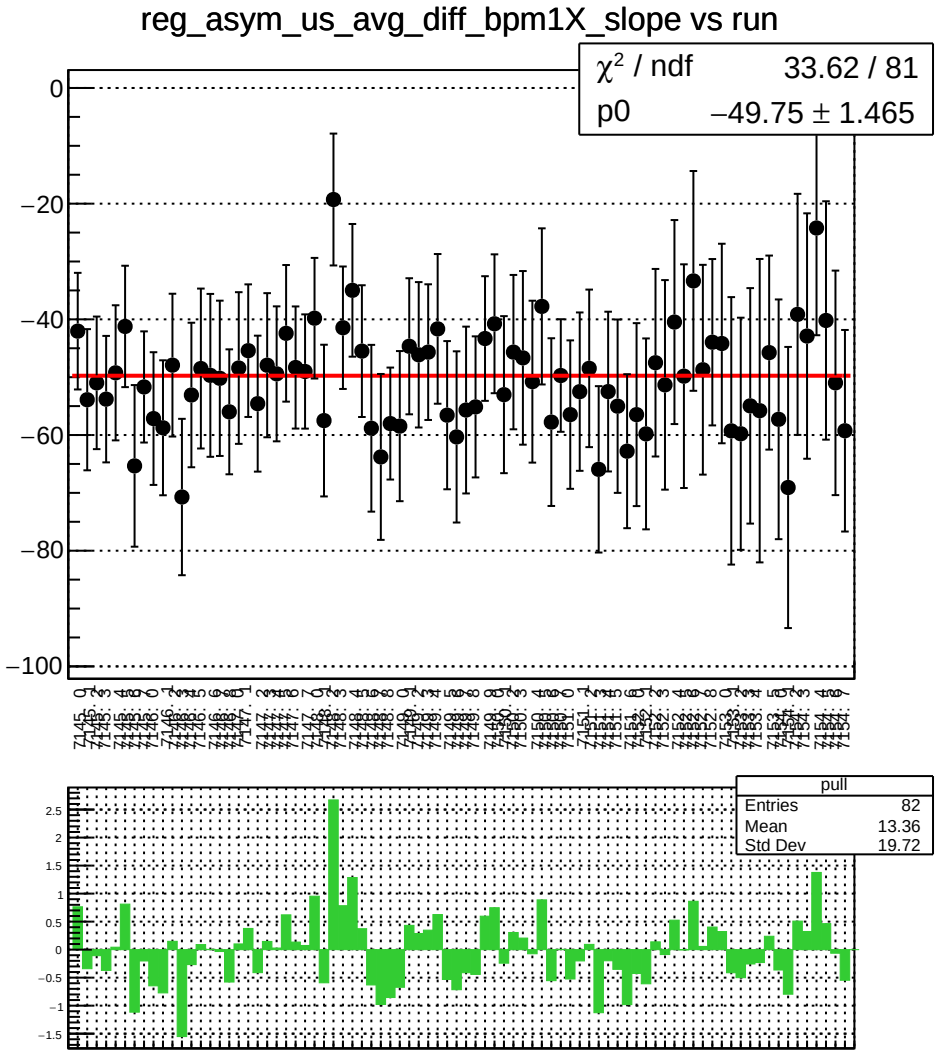

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 63.62 / 81
p0 −0.07945 ± 0.1243
pull
Entries 82
Mean 128.2
Std Dev 100.6

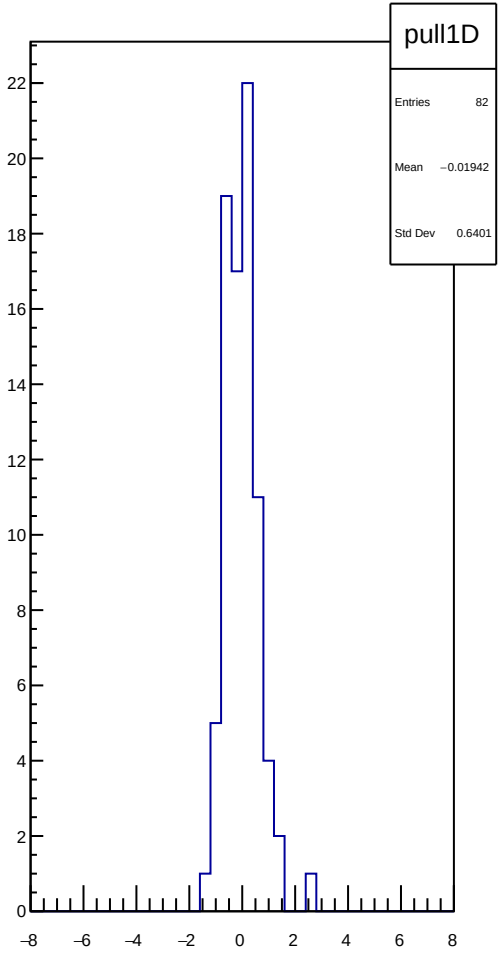

pull1D
Entries 82
Mean 0.01548
Std Dev 0.8807

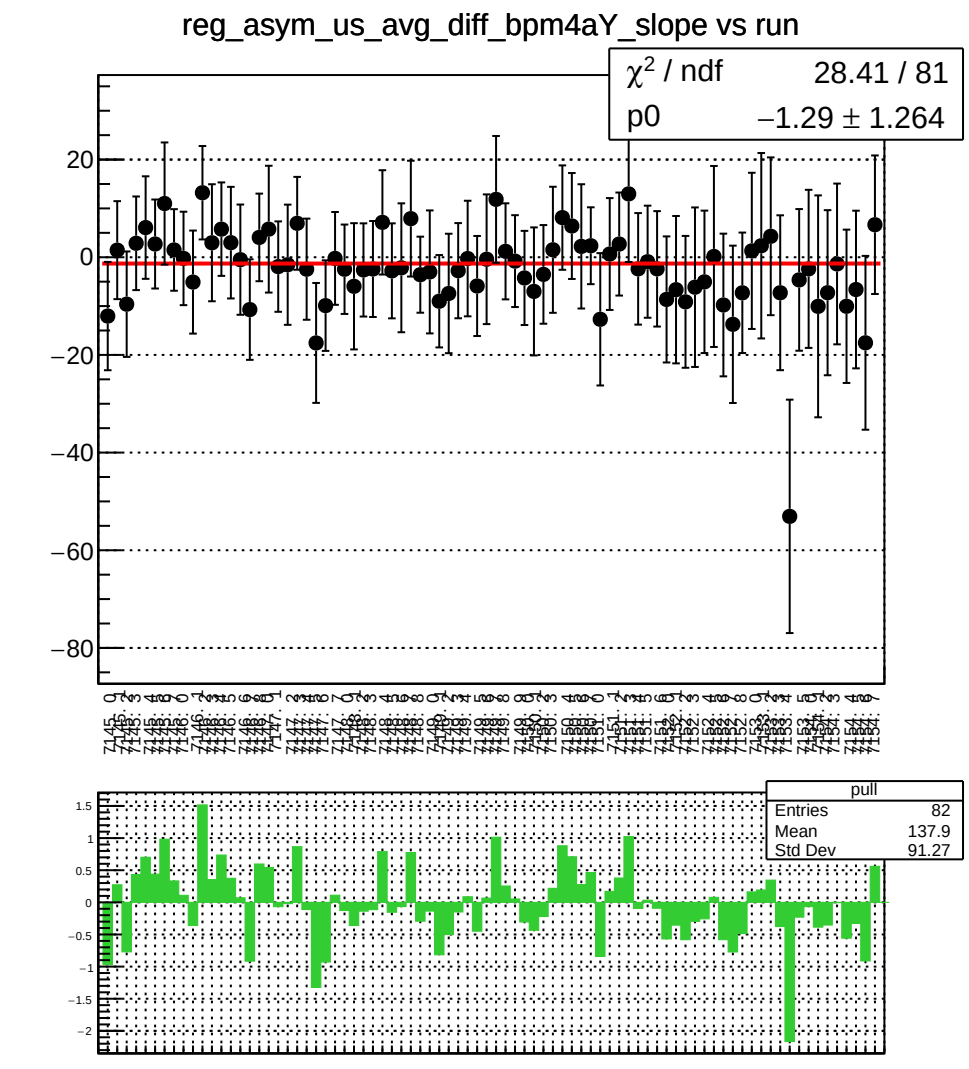

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 71.42 / 81
p0 0.0204 ± 0.1143
pull
Entries 82
Mean −221.3
Std Dev 270.8

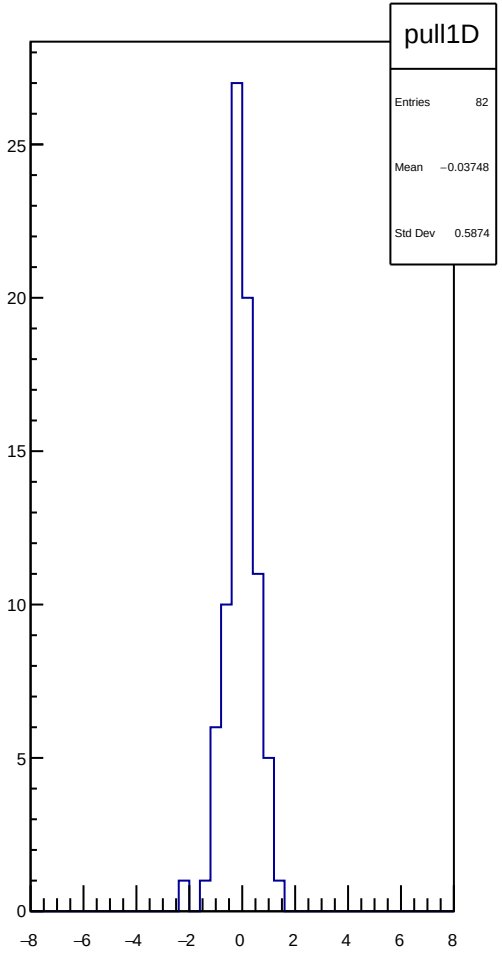

pull1D
Entries 82
Mean 0.005003
Std Dev 0.9333

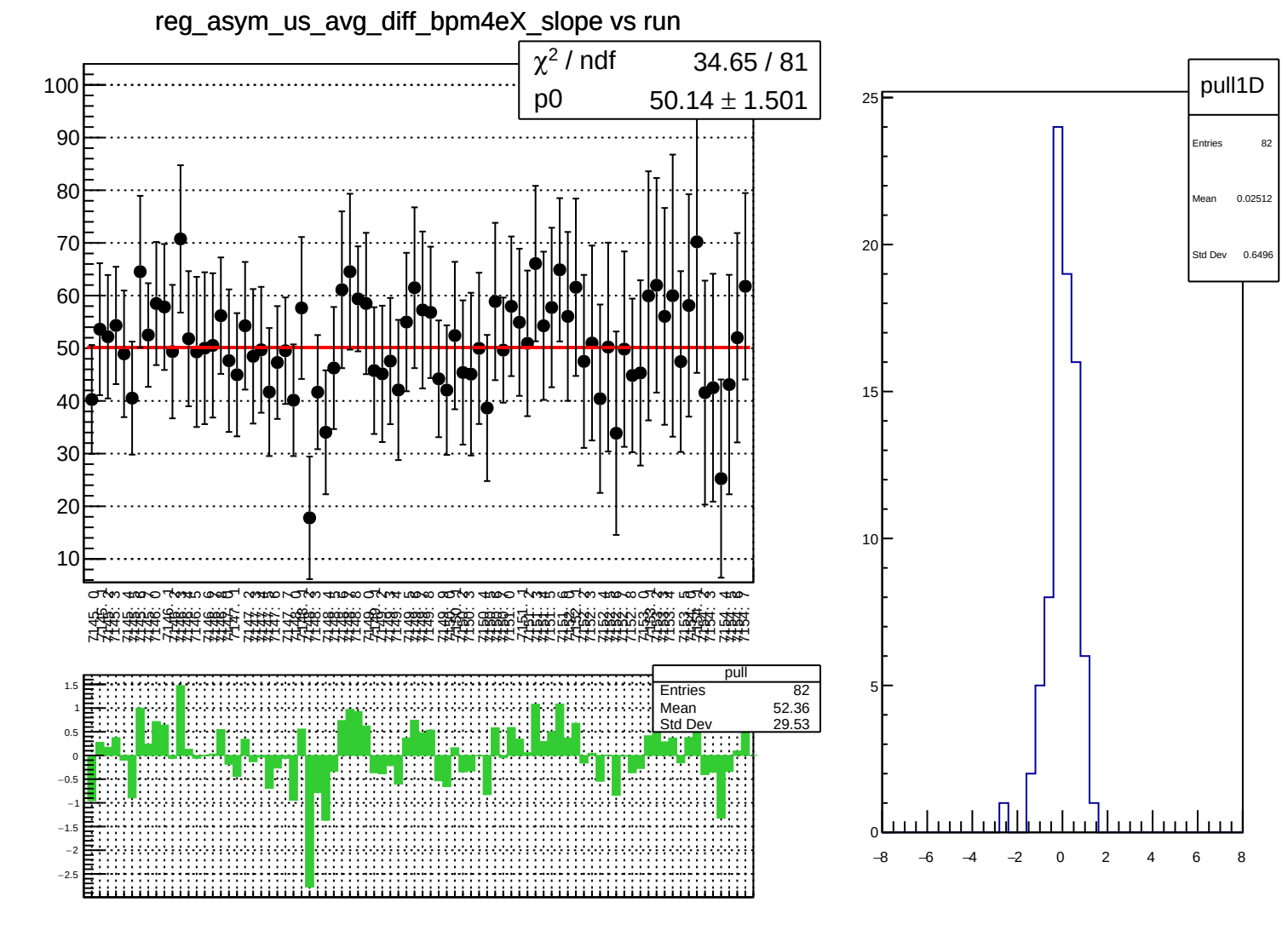

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 82.15 / 81
p0 0.005379 ± 0.005025
pull
Entries 82
Mean −813.9
Std Dev 859.3
pull1D
Entries 82
Mean 0.003036
Std Dev 1.001

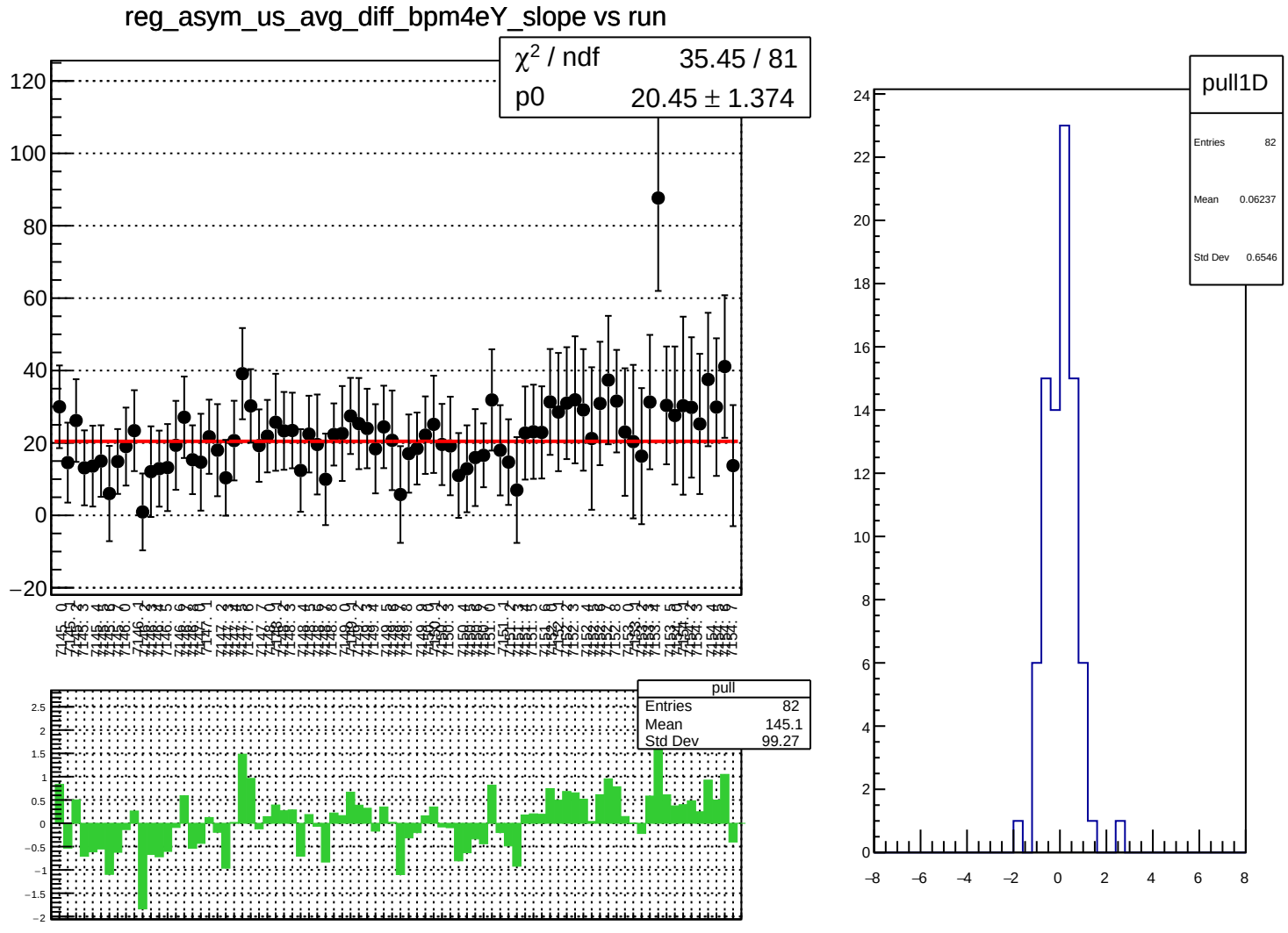

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 33.62 / 81
p0 −49.75 ± 1.465
pull
Entries 82
Mean 13.36
Std Dev 19.72

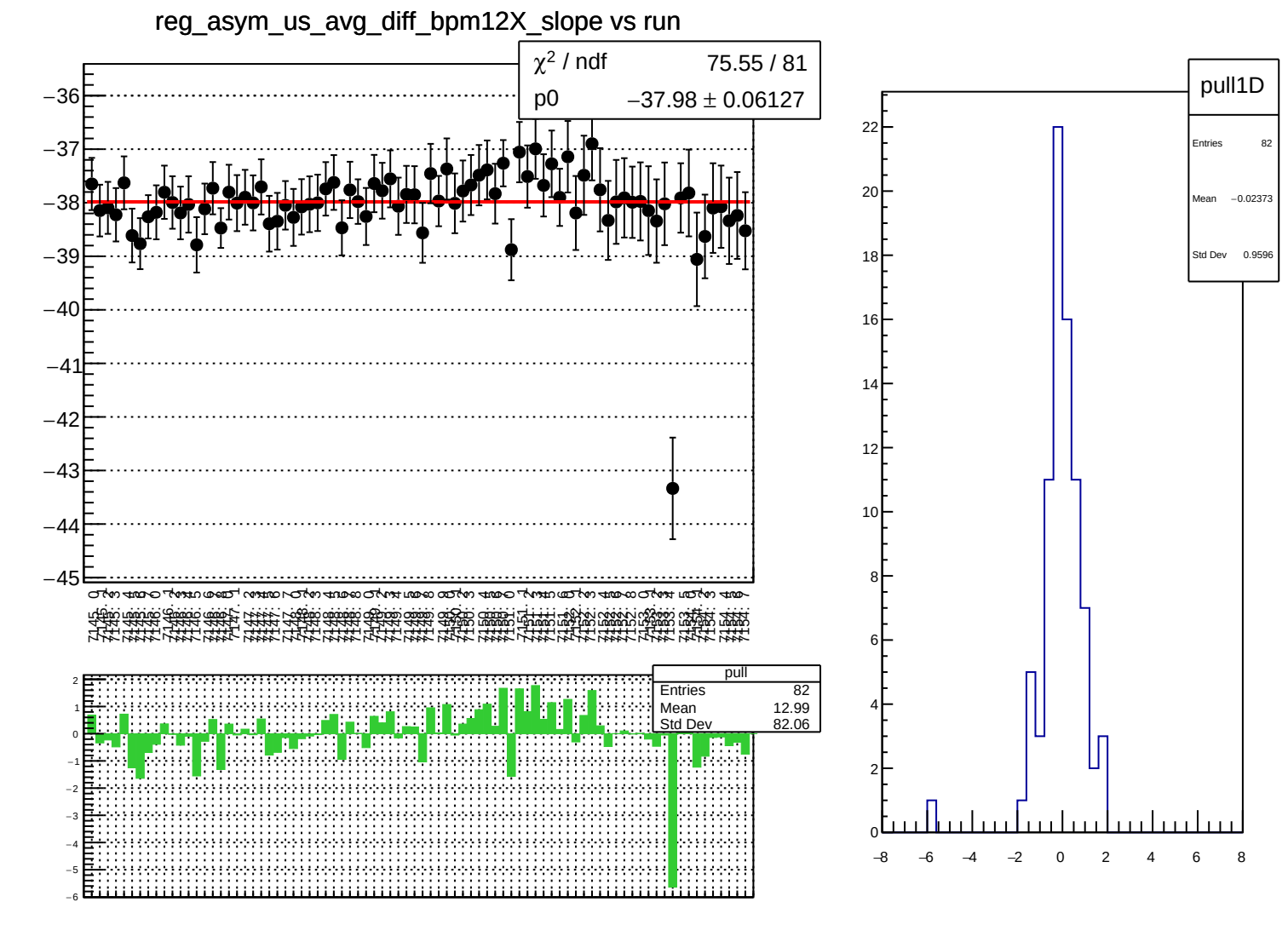

pull1D
Entries 82
Mean −0.01942
Std Dev 0.6401

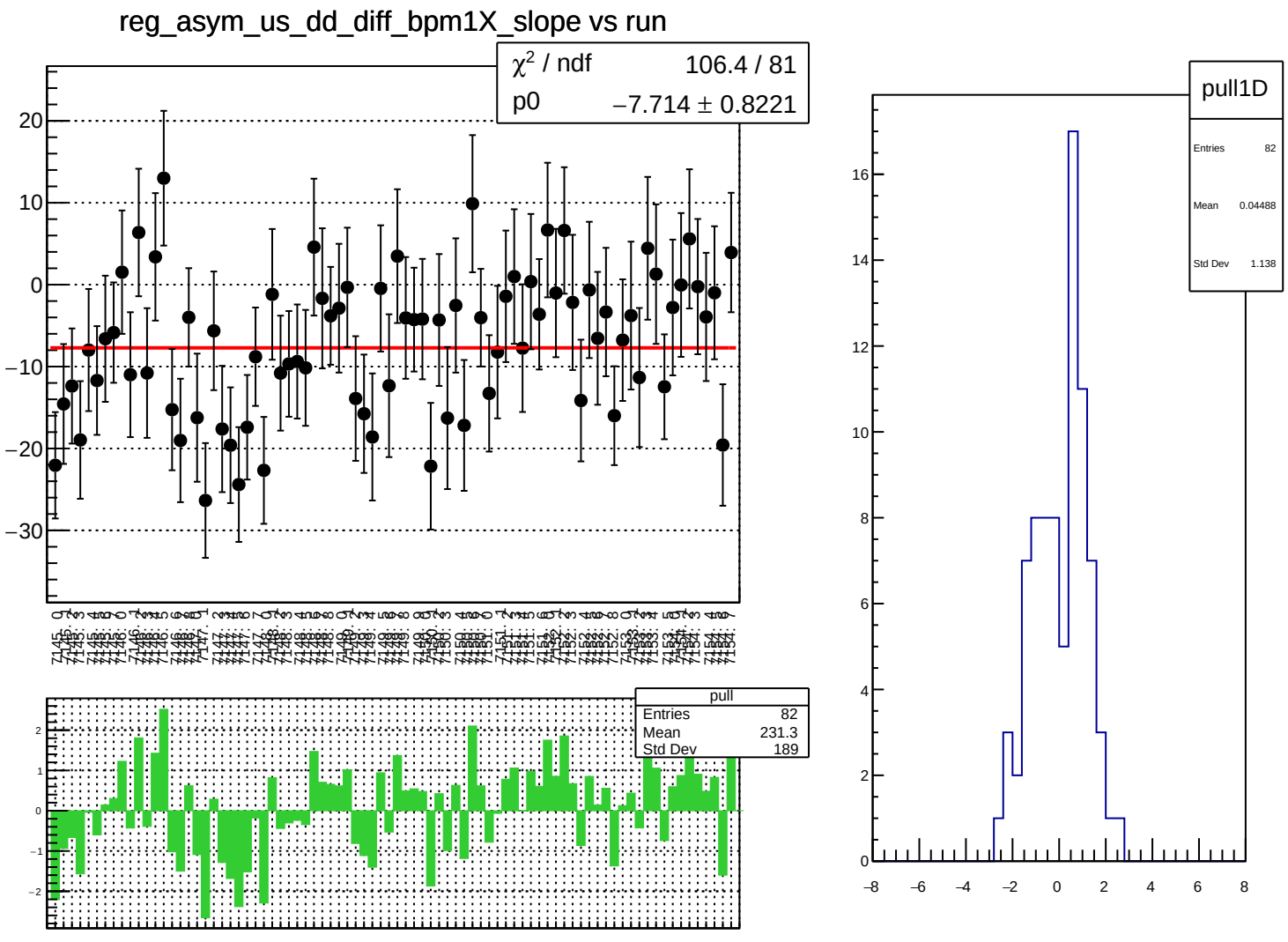

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.41 / 81
p0 −1.29 ± 1.264
pull
Entries 82
Mean 137.9
Std Dev 91.27

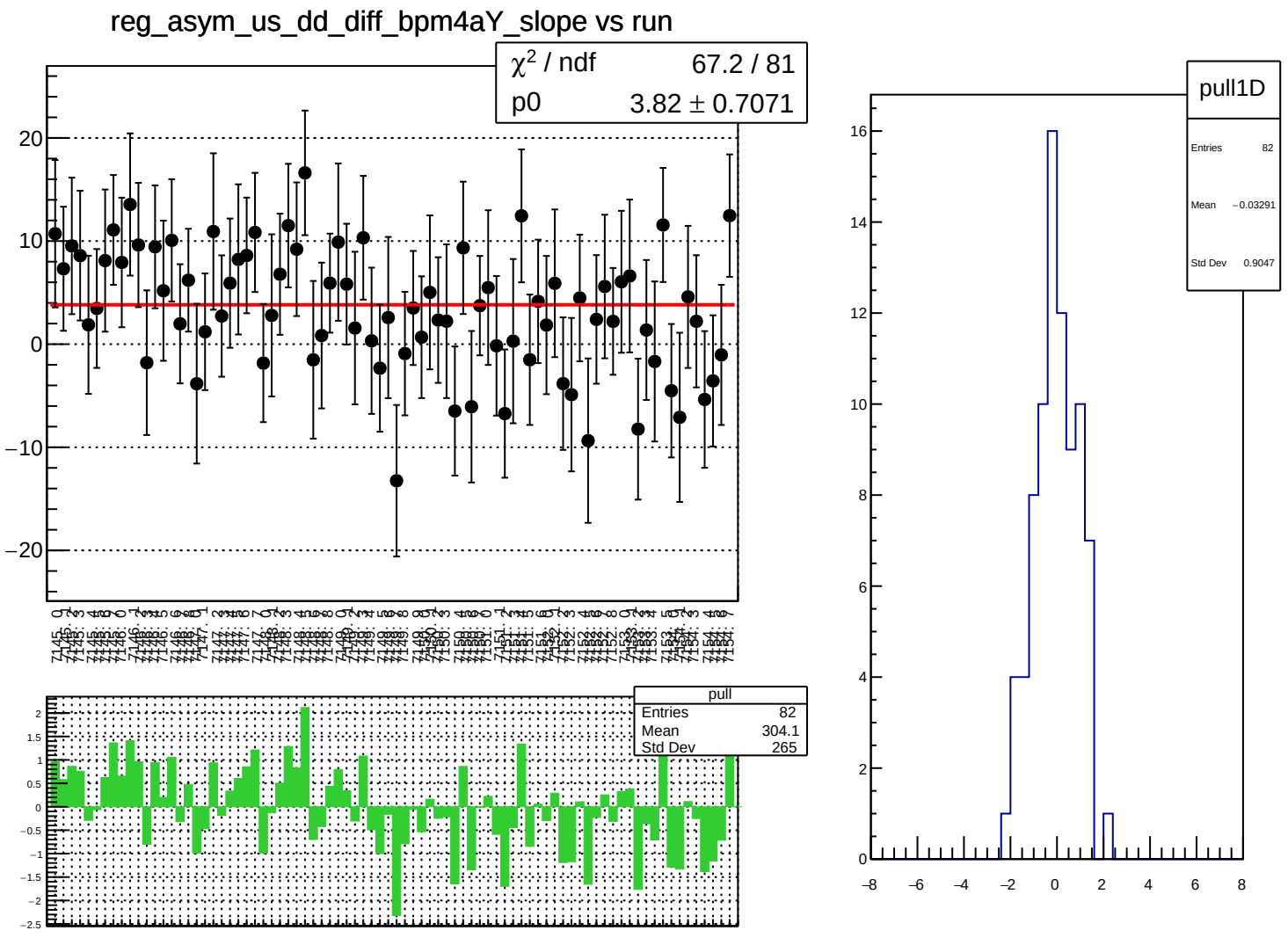

pull1D
Entries 82
Mean −0.03748
Std Dev 0.5874

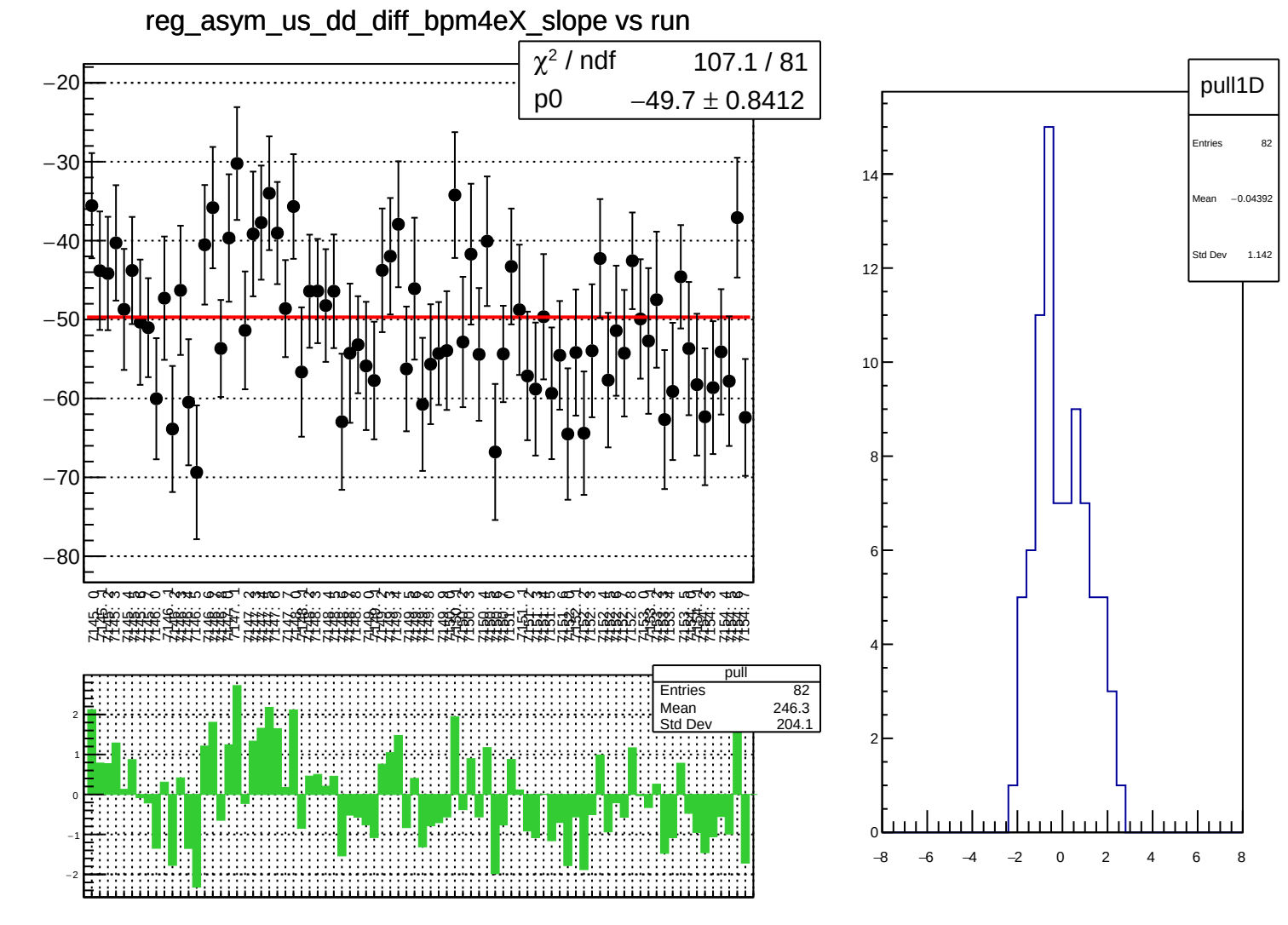

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.65 / 81
p0 50.14 ± 1.501
pull
Entries 82
Mean 52.36
Std Dev 29.53
pull1D
Entries 82
Mean 0.02512
Std Dev 0.6496

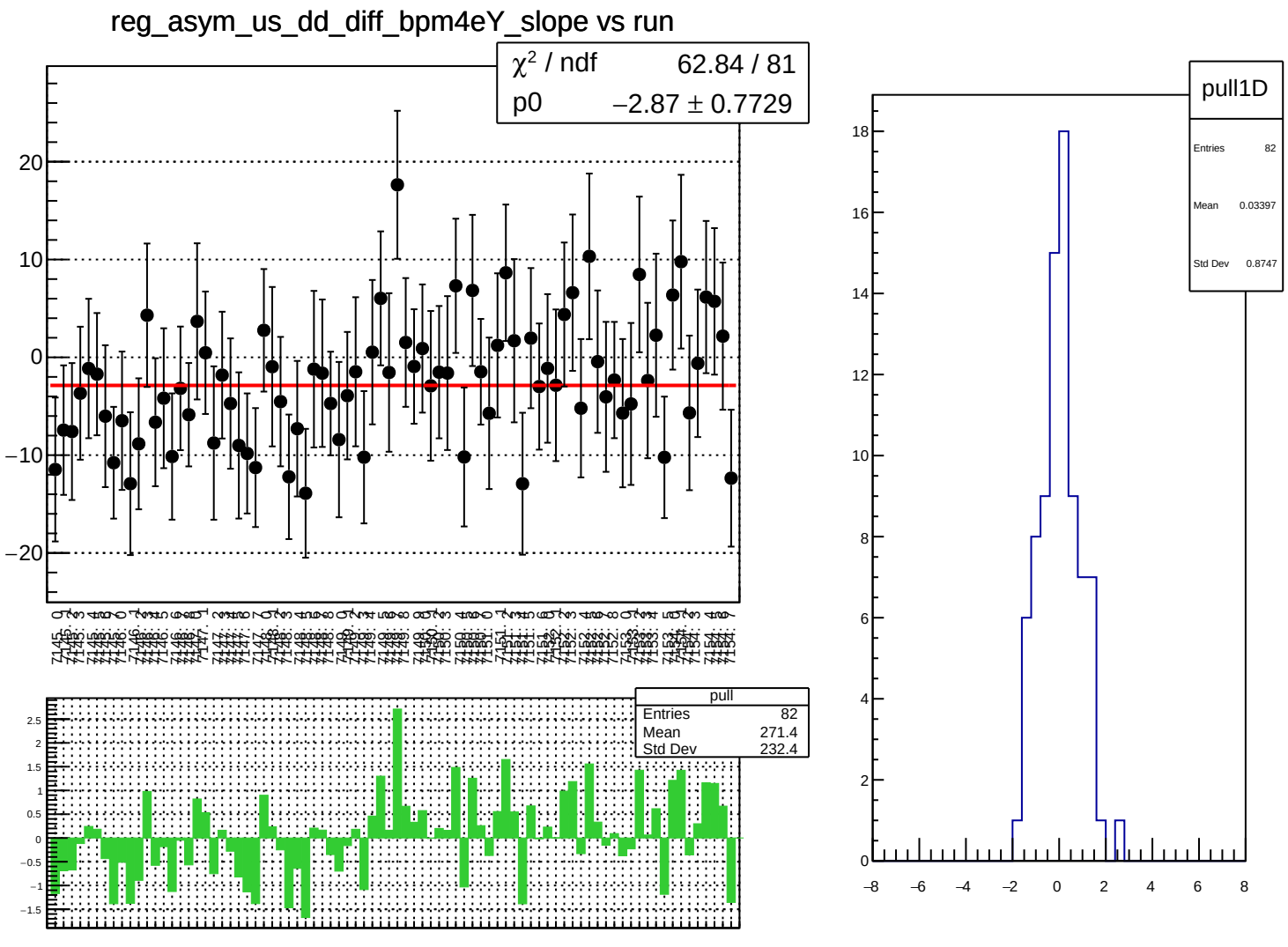

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.45 / 81
p0 20.45 ± 1.374
pull
Entries 82
Mean 145.1
Std Dev 99.27
pull1D
Entries 82
Mean 0.06237
Std Dev 0.6546

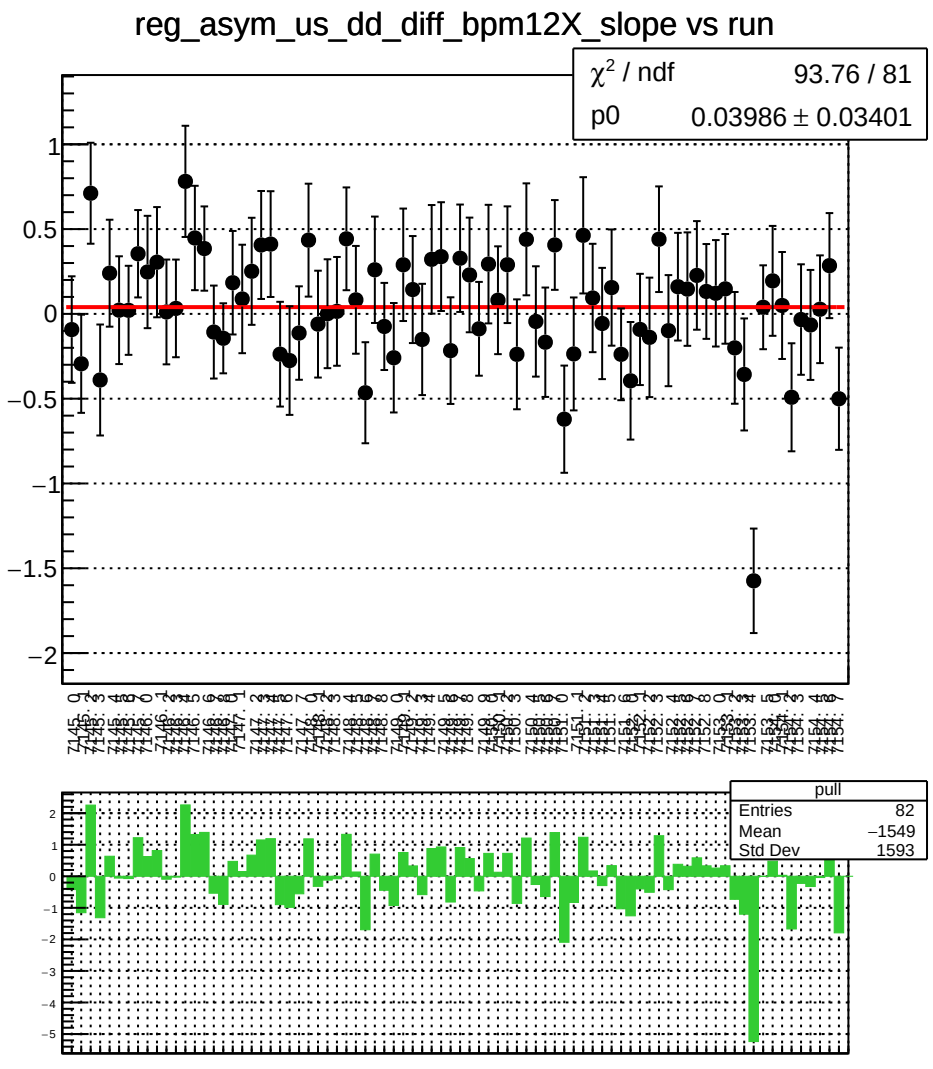

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 75.55 / 81
p0 −37.98 ± 0.06127
pull
Entries 82
Mean 12.99
Std Dev 82.06
pull1D
Entries 82
Mean −0.02373
Std Dev 0.9596

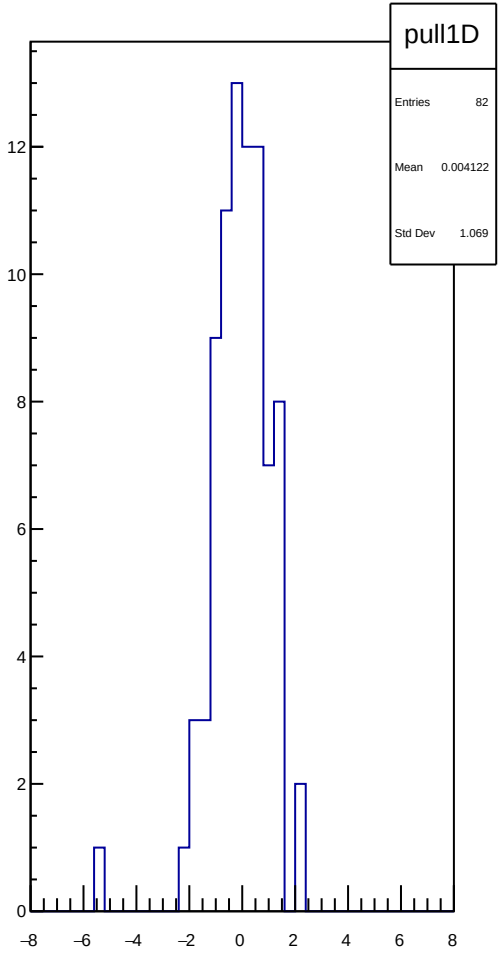

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 106.4 / 81
p0 −7.714 ± 0.8221
pull
Entries 82
Mean 231.3
Std Dev 189
pull1D
Entries 82
Mean 0.04488
Std Dev 1.138

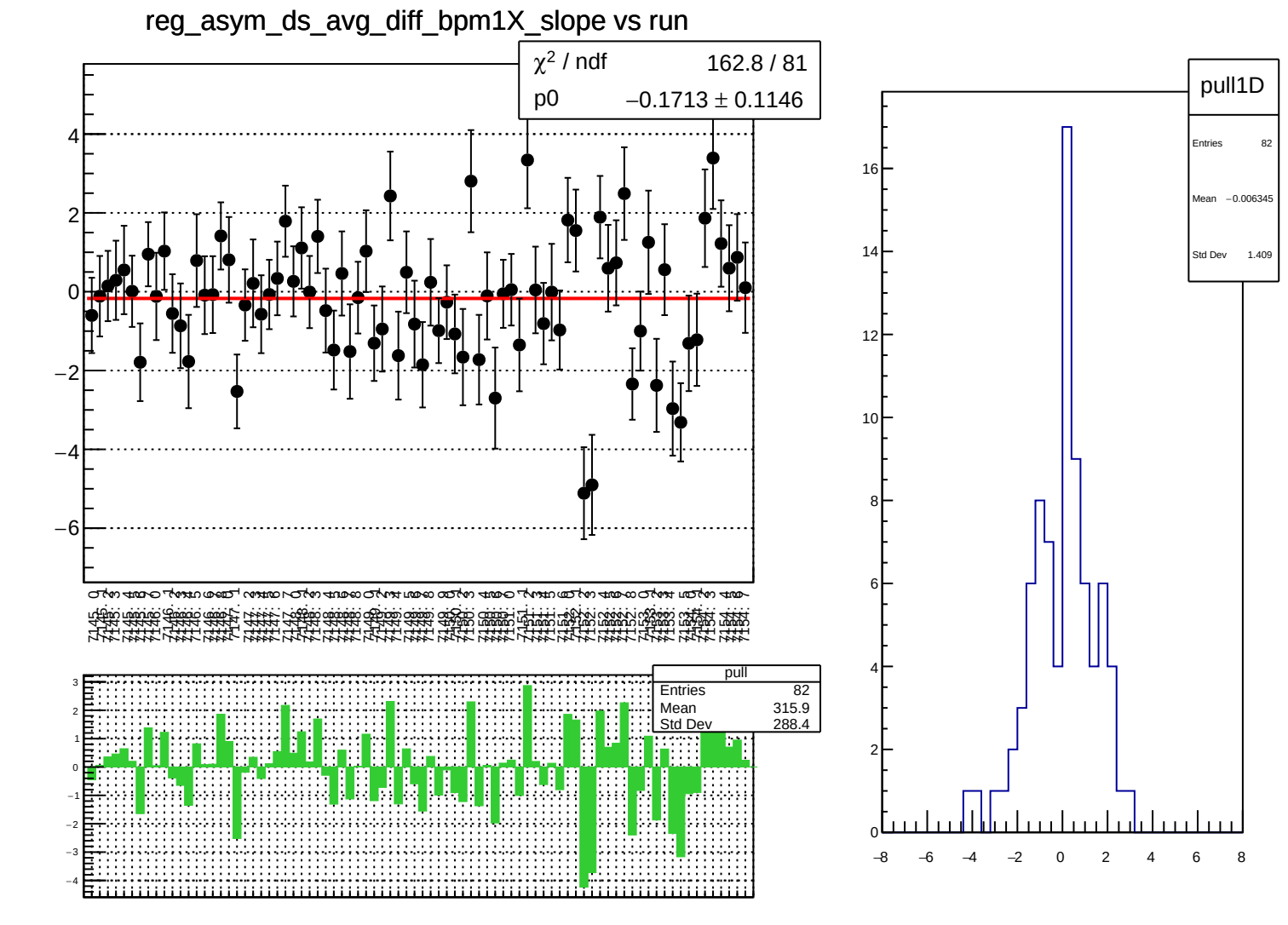

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.2 / 81
p0 3.82 ± 0.7071
pull
Entries 82
Mean 304.1
Std Dev 265
pull1D
Entries 82
Mean −0.03291
Std Dev 0.9047

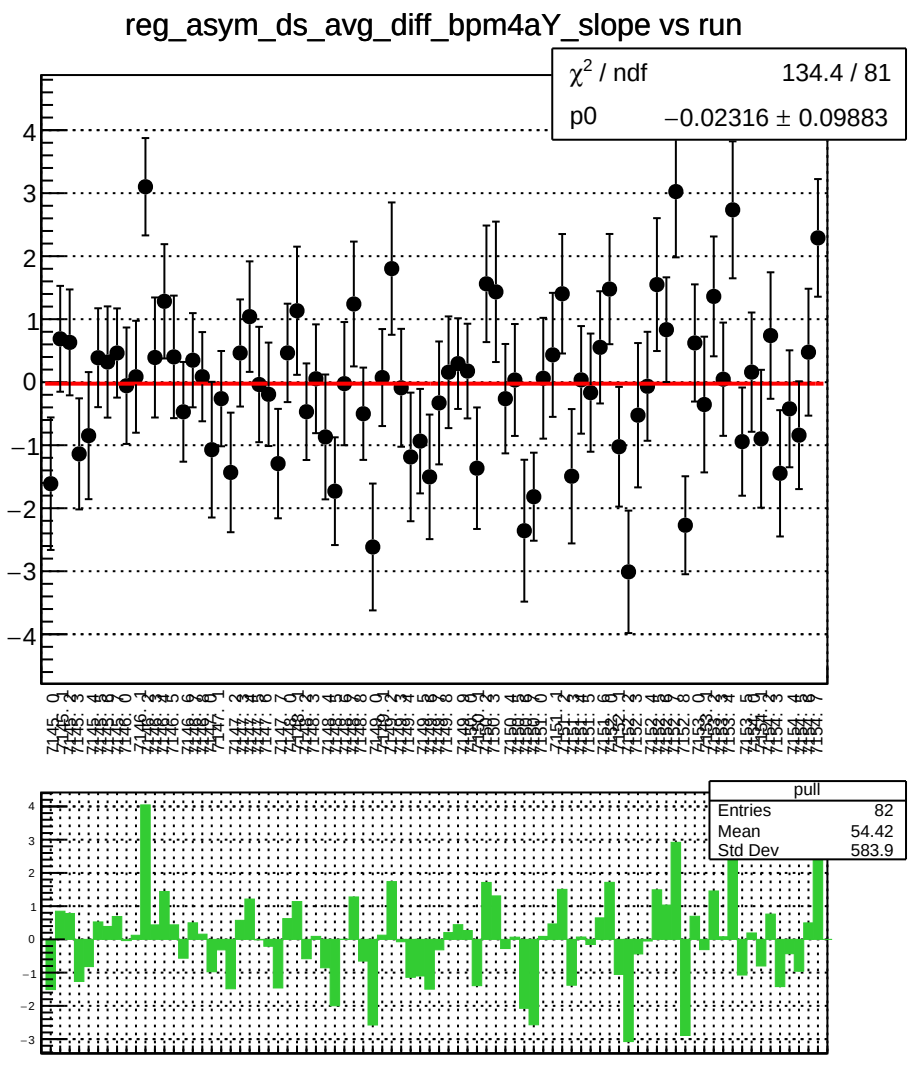

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.1 / 81
p0 −49.7 ± 0.8412
pull
Entries 82
Mean 246.3
Std Dev 204.1
pull1D
Entries 82
Mean −0.04392
Std Dev 1.142

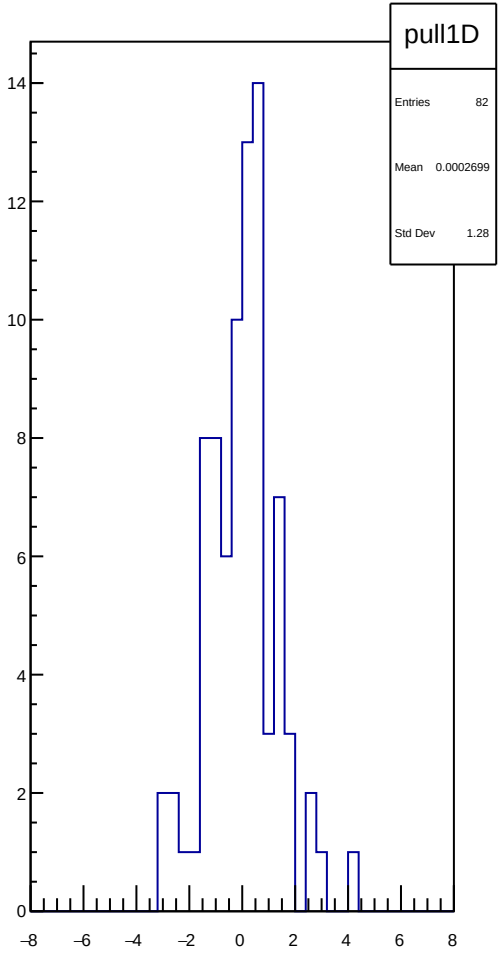

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.84 / 81
p0 −2.87 ± 0.7729
pull
Entries 82
Mean 271.4
Std Dev 232.4
pull1D
Entries 82
Mean 0.03397
Std Dev 0.8747

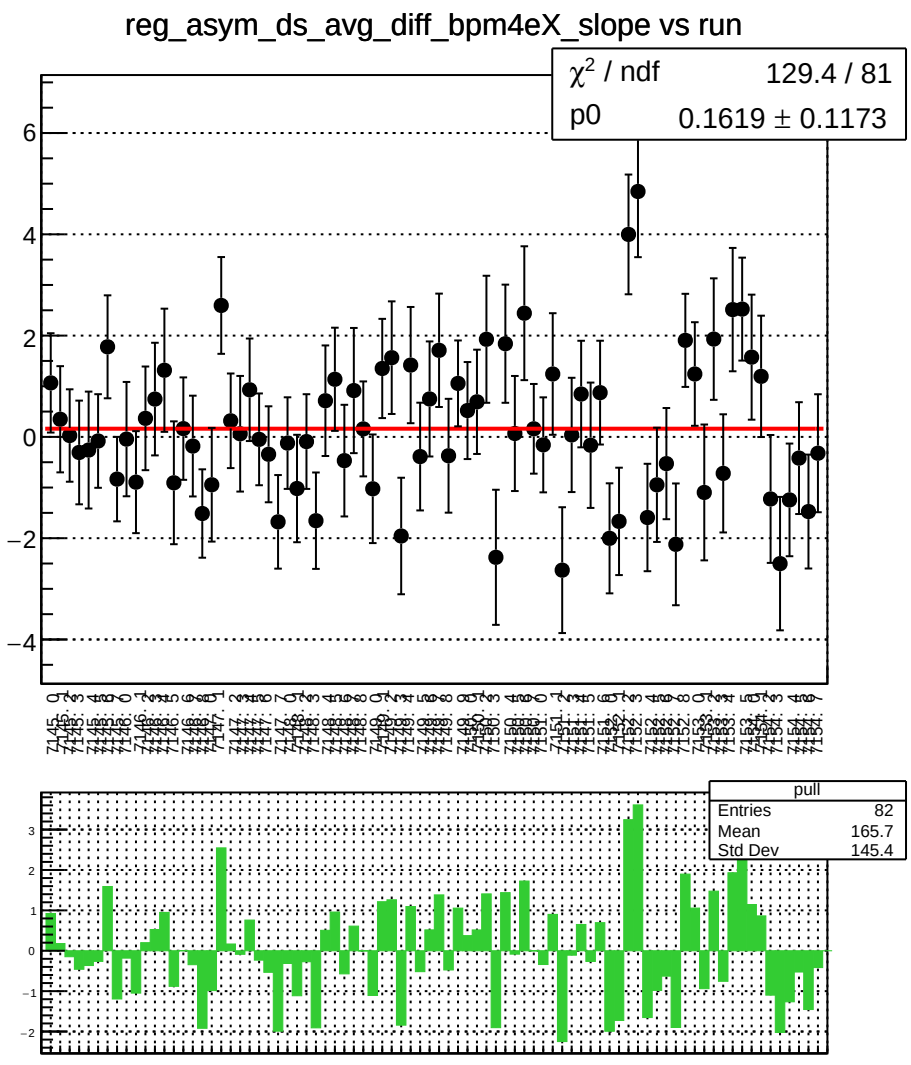

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 93.76 / 81
p0 0.03986 ± 0.03401
pull
Entries 82
Mean −1549
Std Dev 1593

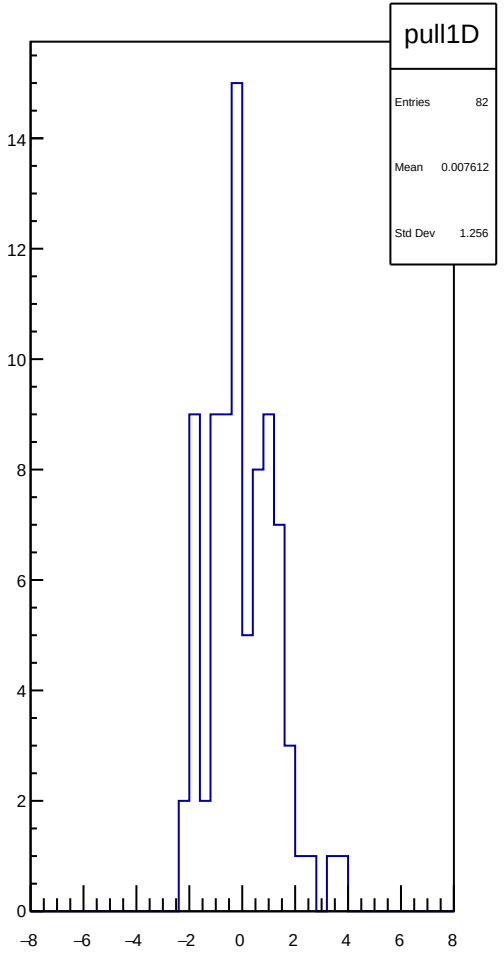

pull1D
Entries 82
Mean 0.004122
Std Dev 1.069

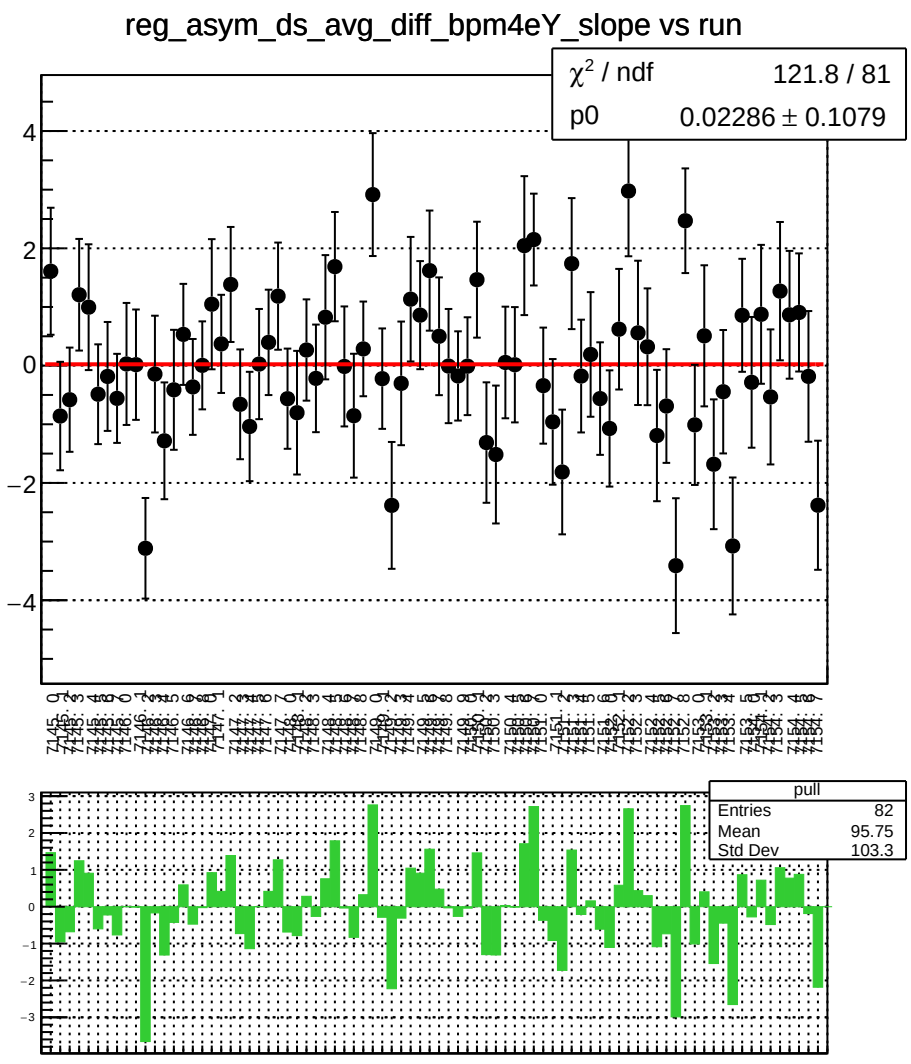

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 162.8 / 81
p0 −0.1713 ± 0.1146
pull
Entries 82
Mean 315.9
Std Dev 288.4
pull1D
Entries 82
Mean −0.006345
Std Dev 1.409

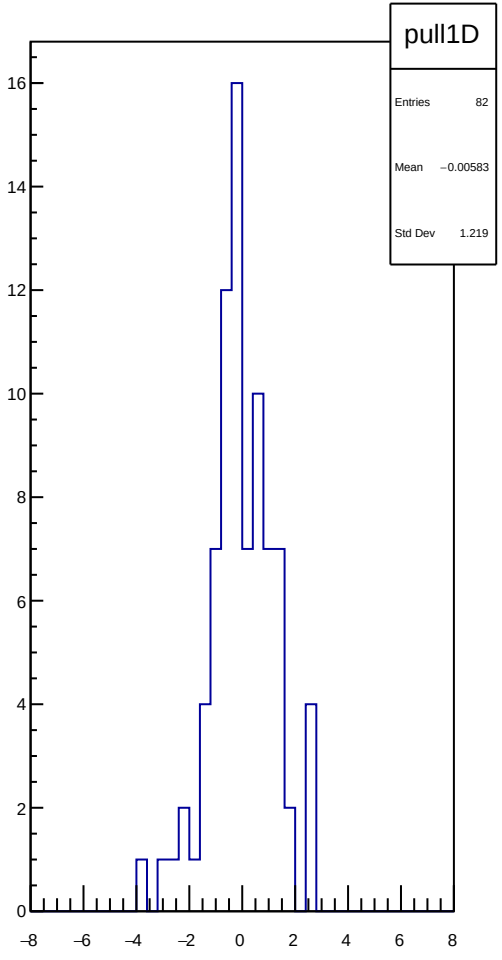

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 134.4 / 81
p0 −0.02316 ± 0.09883
pull
Entries 82
Mean 54.42
Std Dev 583.9

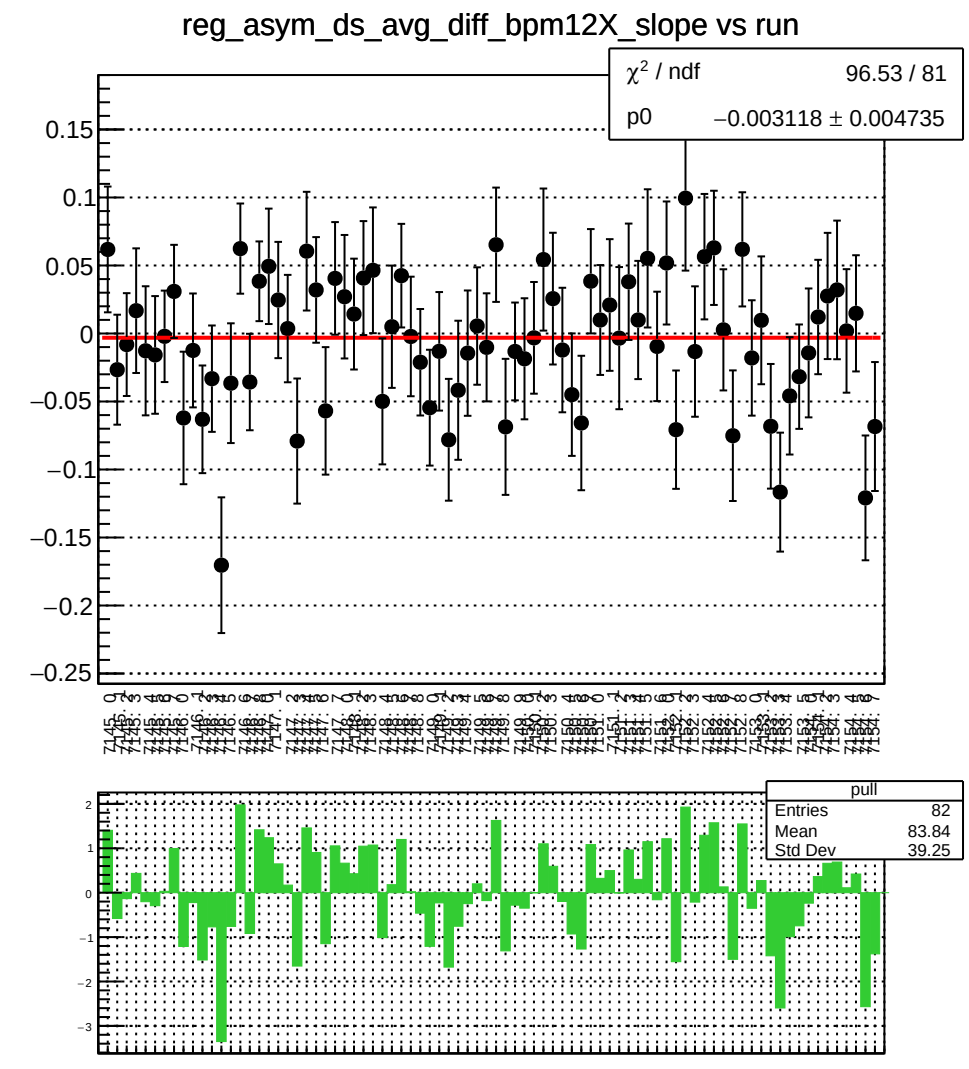

pull1D
Entries 82
Mean 0.0002699
Std Dev 1.28

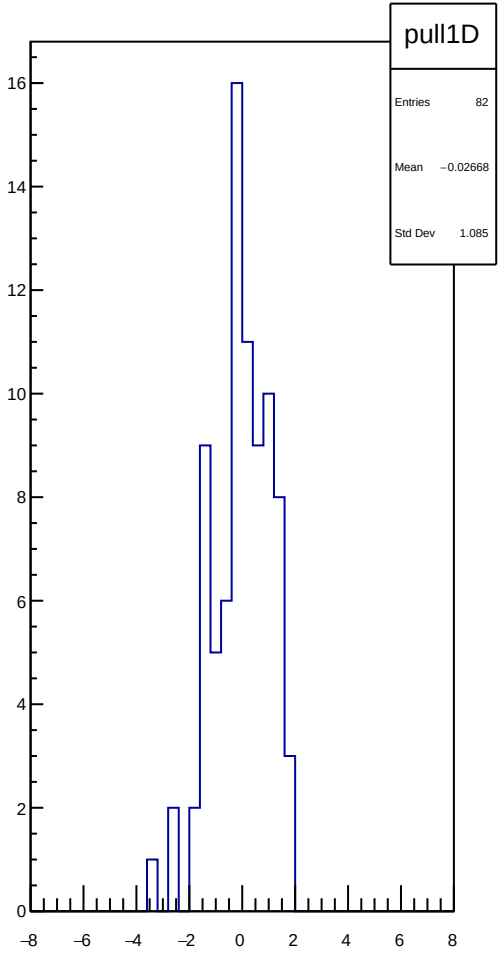

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 129.4 / 81
p0 0.1619 ± 0.1173
pull
Entries 82
Mean 165.7
Std Dev 145.4

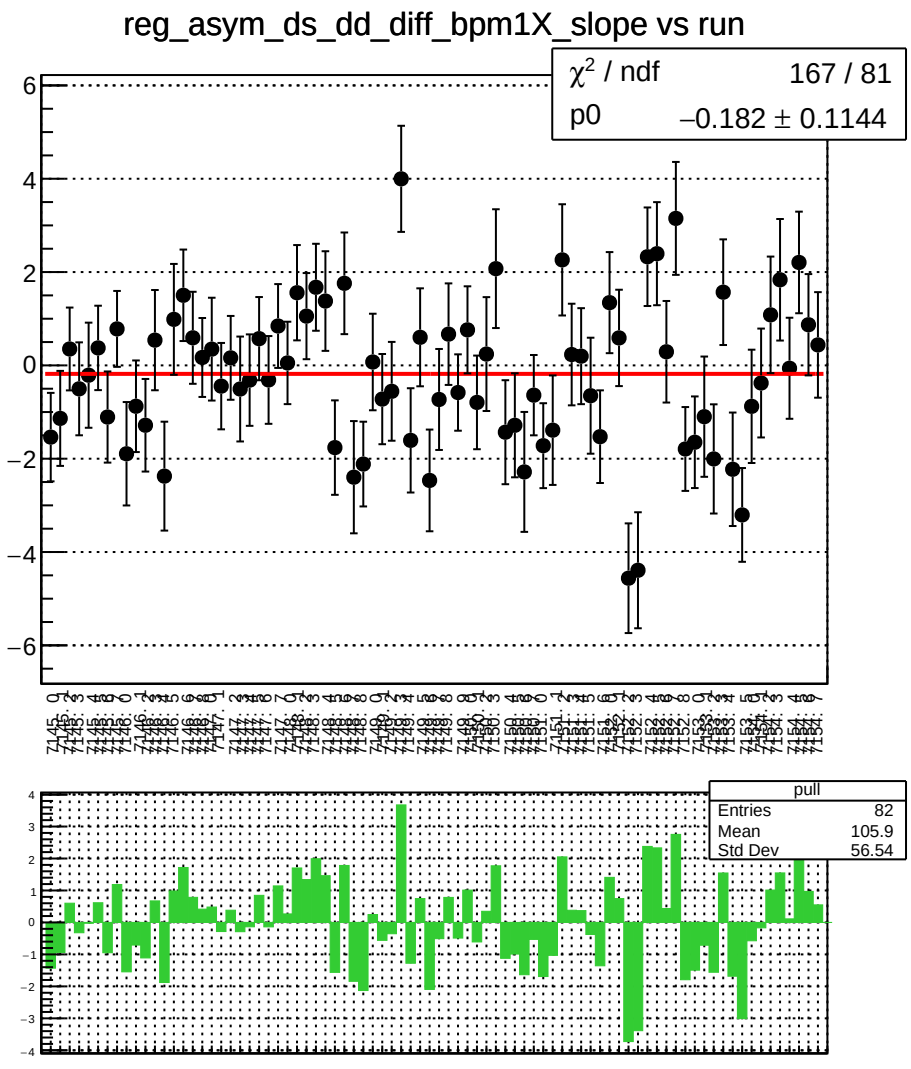

pull1D
Entries 82
Mean 0.007612
Std Dev 1.256

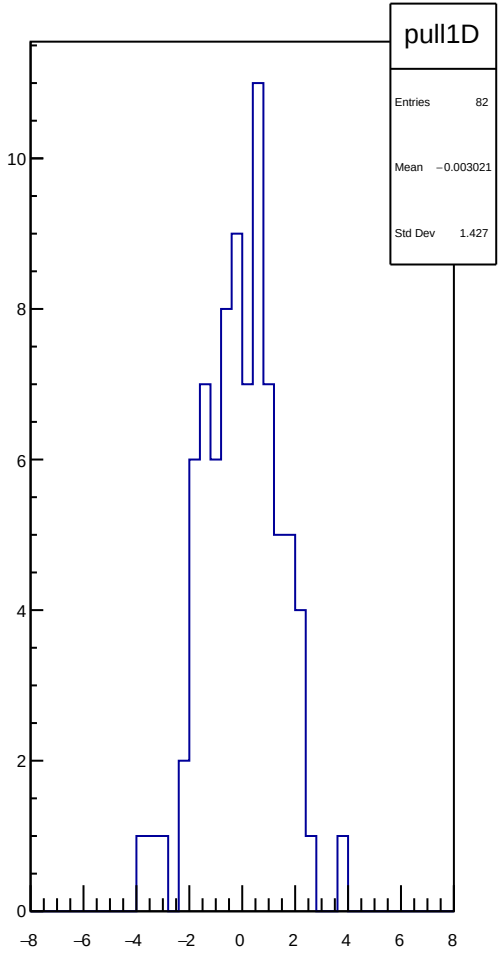

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 121.8 / 81
p0 0.02286 ± 0.1079
pull
Entries 82
Mean 95.75
Std Dev 103.3

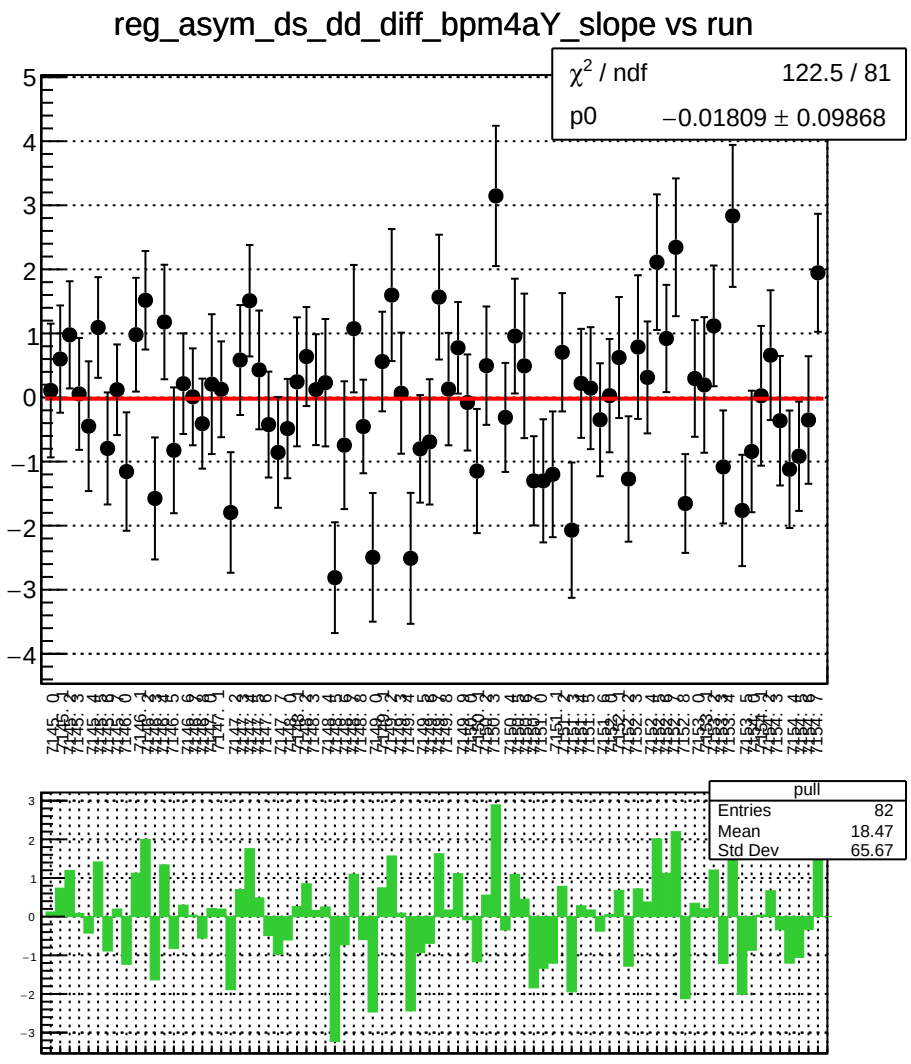

pull1D
Entries 82
Mean −0.00583
Std Dev 1.219

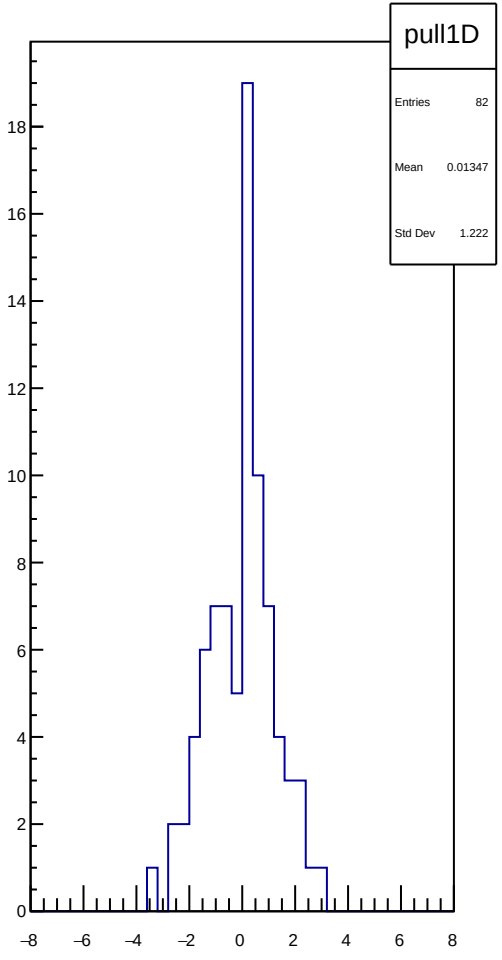

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 96.53 / 81
p0 −0.003118 ± 0.004735
pull
Entries 82
Mean 83.84
Std Dev 39.25

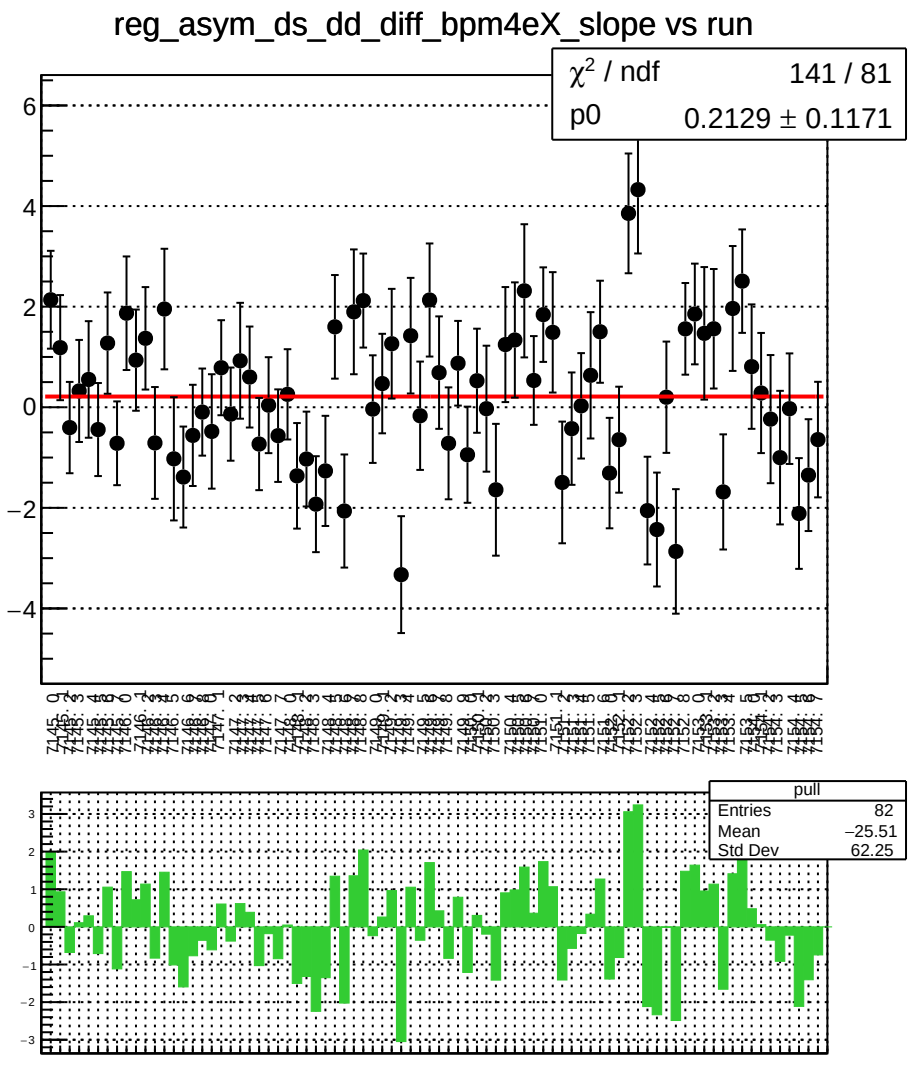

pull1D
Entries 82
Mean −0.02668
Std Dev 1.085

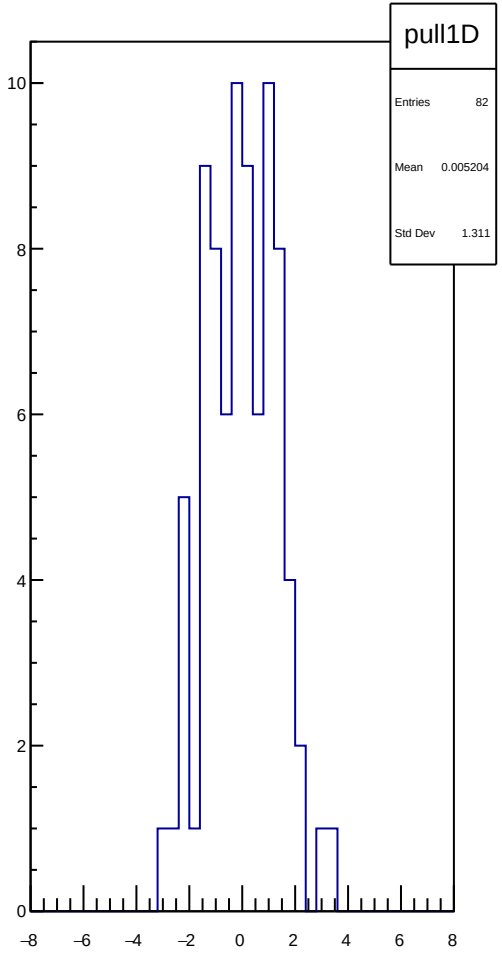

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 167 / 81
p0 −0.182 ± 0.1144
pull
Entries 82
Mean 105.9
Std Dev 56.54

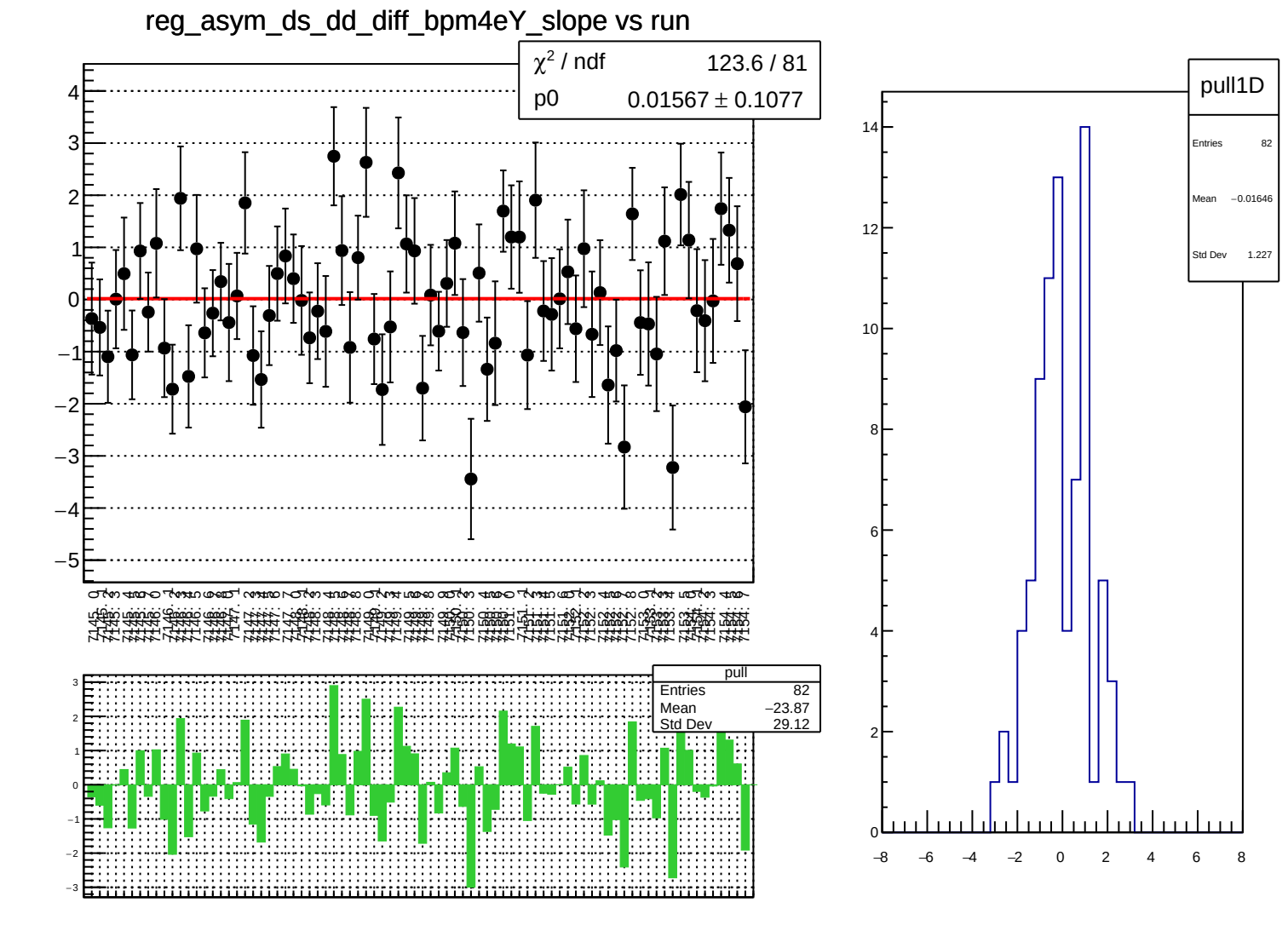

pull1D
Entries 82
Mean −0.003021
Std Dev 1.427

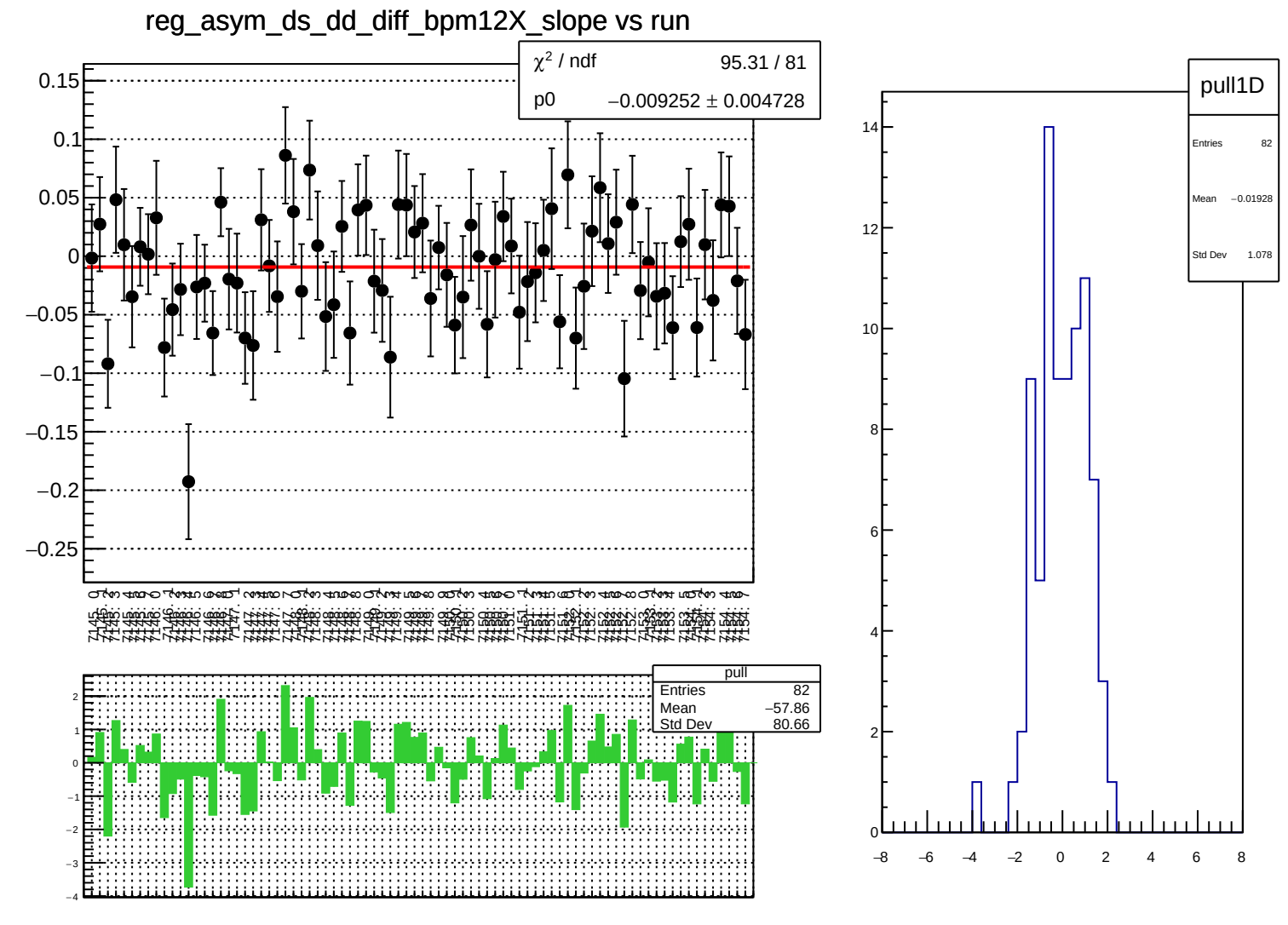

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.5 / 81
p0 −0.01809 ± 0.09868
pull
Entries 82
Mean 18.47
Std Dev 65.67

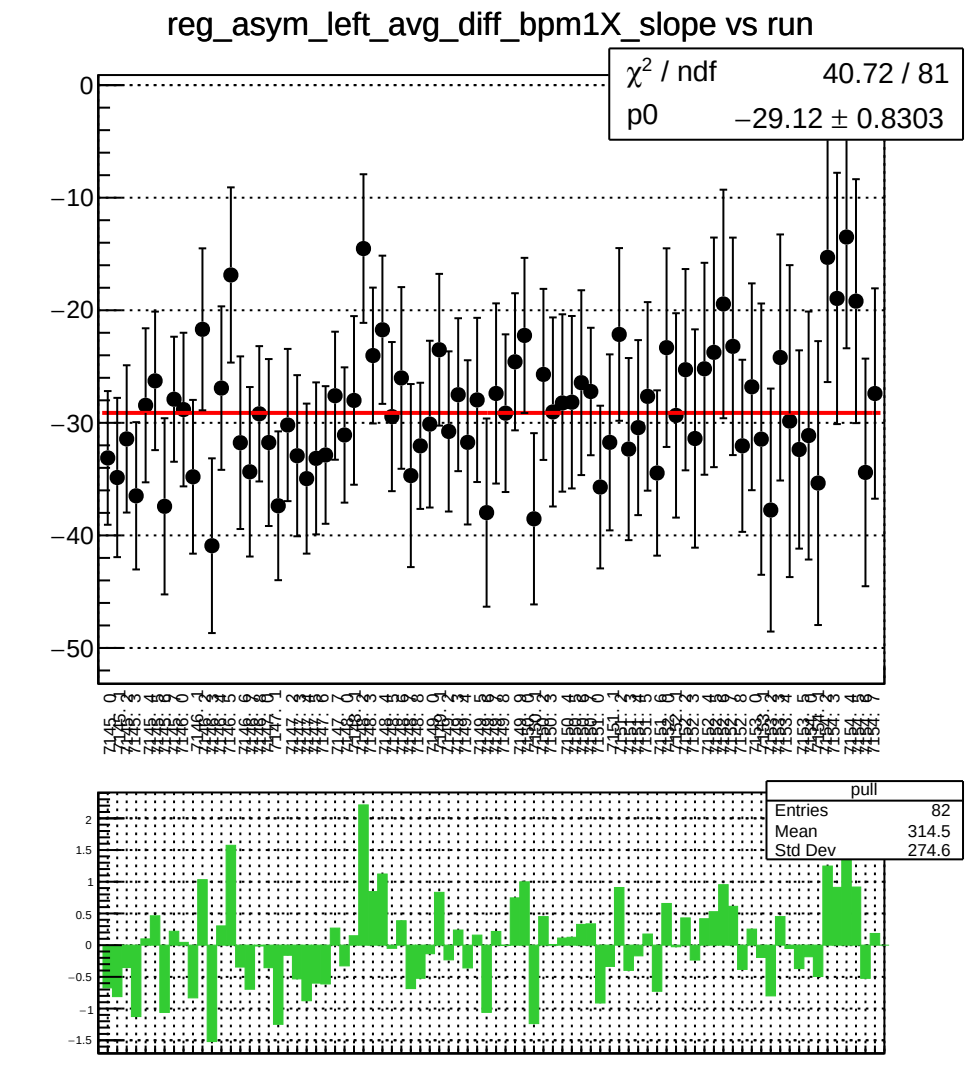

pull1D
Entries 82
Mean 0.01347
Std Dev 1.222

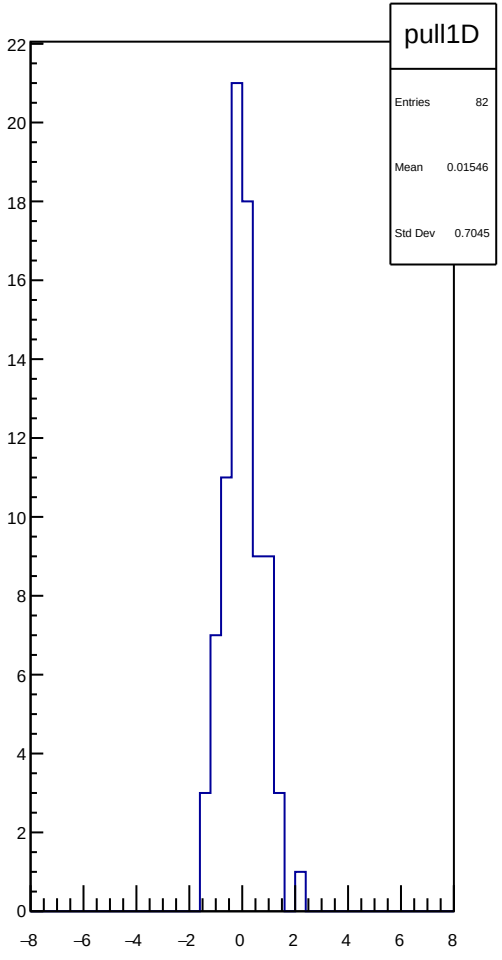

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 141 / 81
p0 0.2129 ± 0.1171
pull
Entries 82
Mean −25.51
Std Dev 62.25

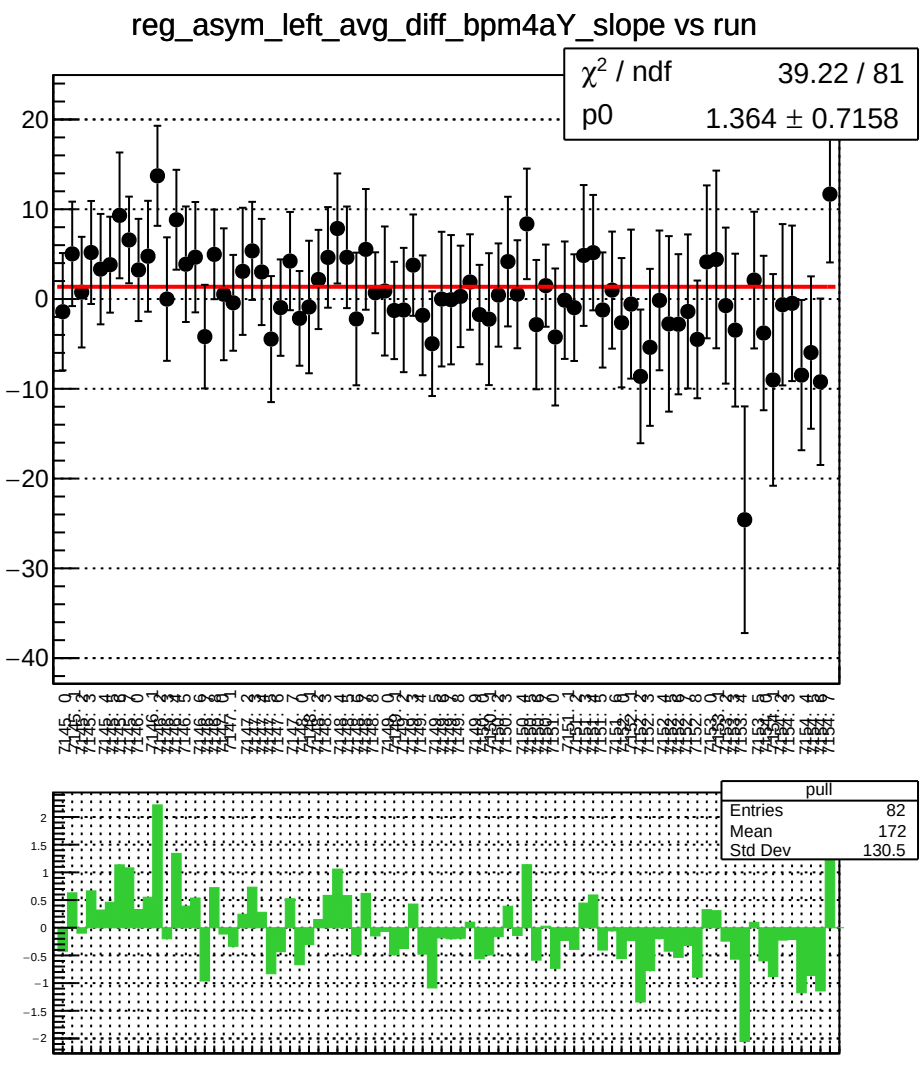

pull1D
Entries 82
Mean 0.005204
Std Dev 1.311

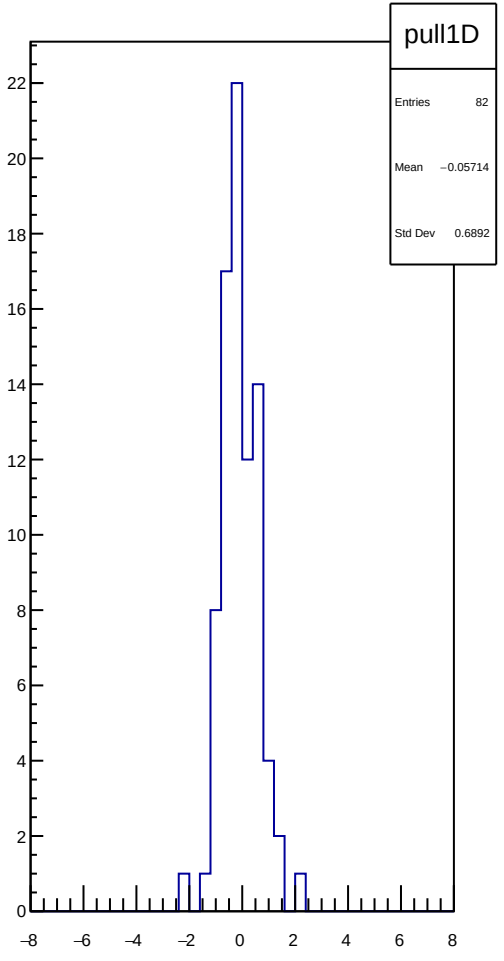

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 123.6 / 81
p0 0.01567 ± 0.1077
pull
Entries 82
Mean −23.87
Std Dev 29.12
pull1D
Entries 82
Mean −0.01646
Std Dev 1.227

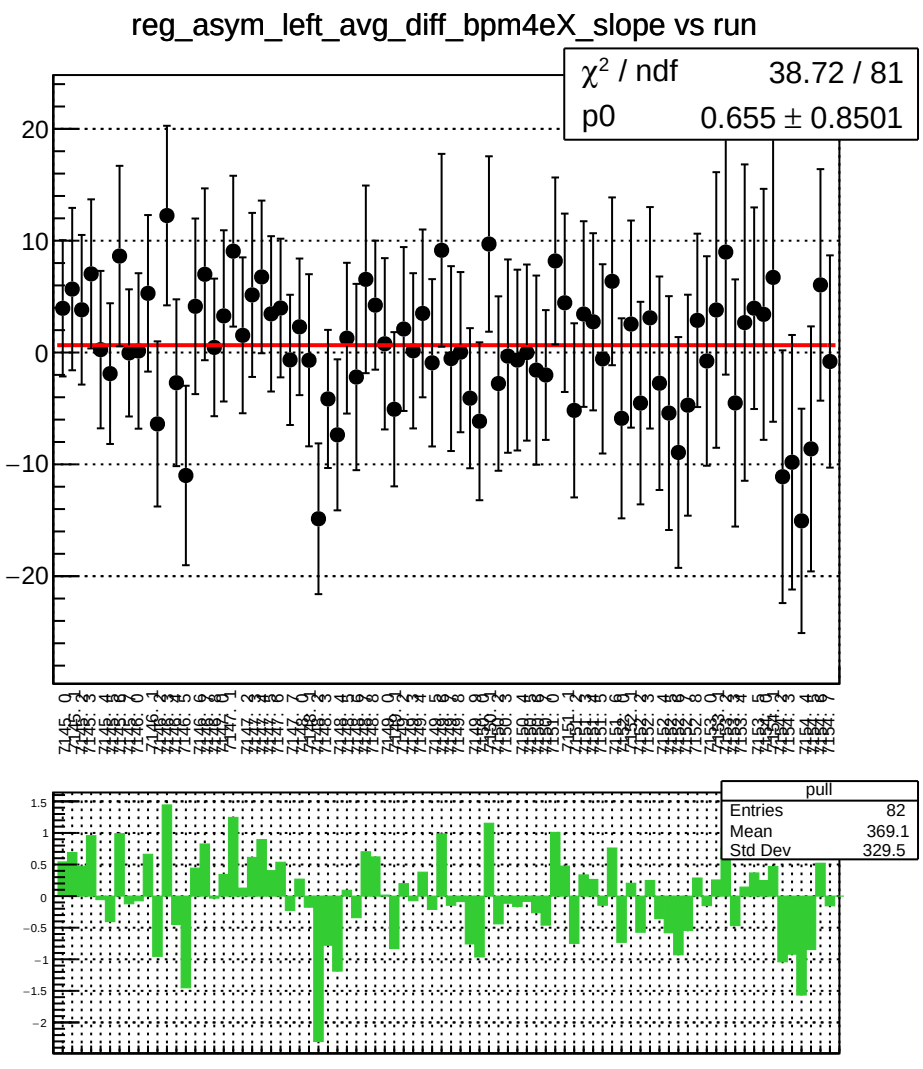

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 95.31 / 81
p0 −0.009252 ± 0.004728
pull
Entries 82
Mean −57.86
Std Dev 80.66
pull1D
Entries 82
Mean −0.01928
Std Dev 1.078

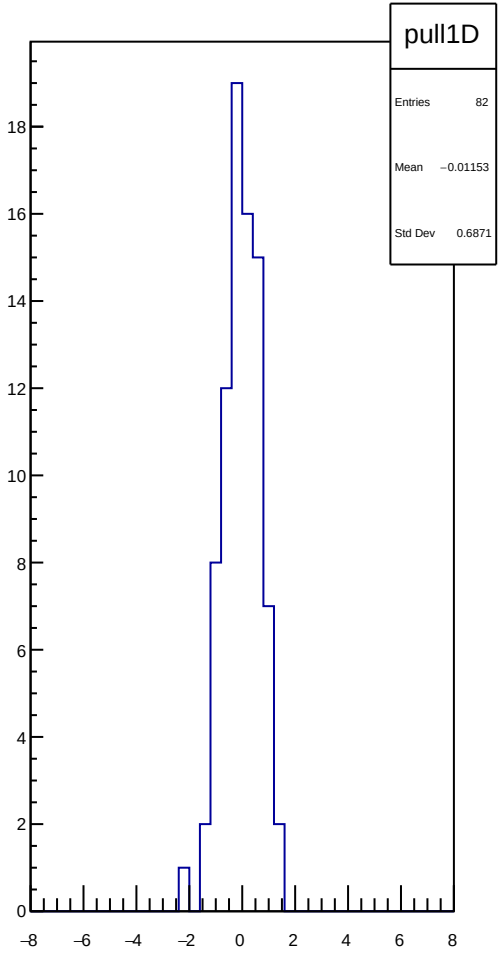

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 40.72 / 81
p0 −29.12 ± 0.8303
pull
Entries 82
Mean 314.5
Std Dev 274.6

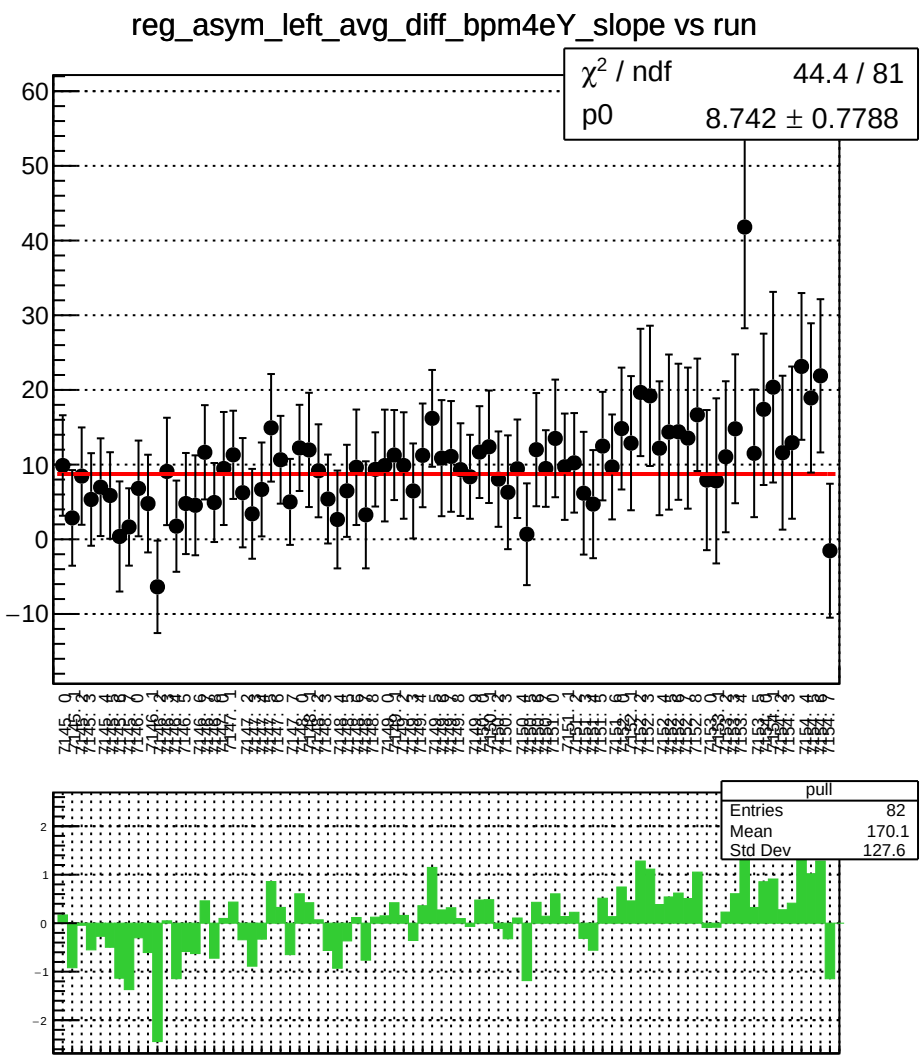

pull1D
Entries 82
Mean 0.01546
Std Dev 0.7045

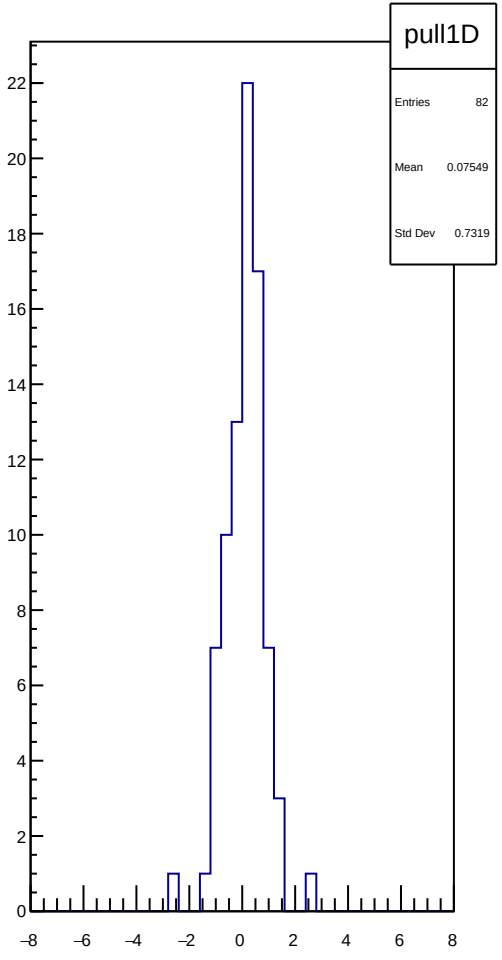

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 39.22 / 81
p0 1.364 ± 0.7158
pull
Entries 82
Mean 172
Std Dev 130.5

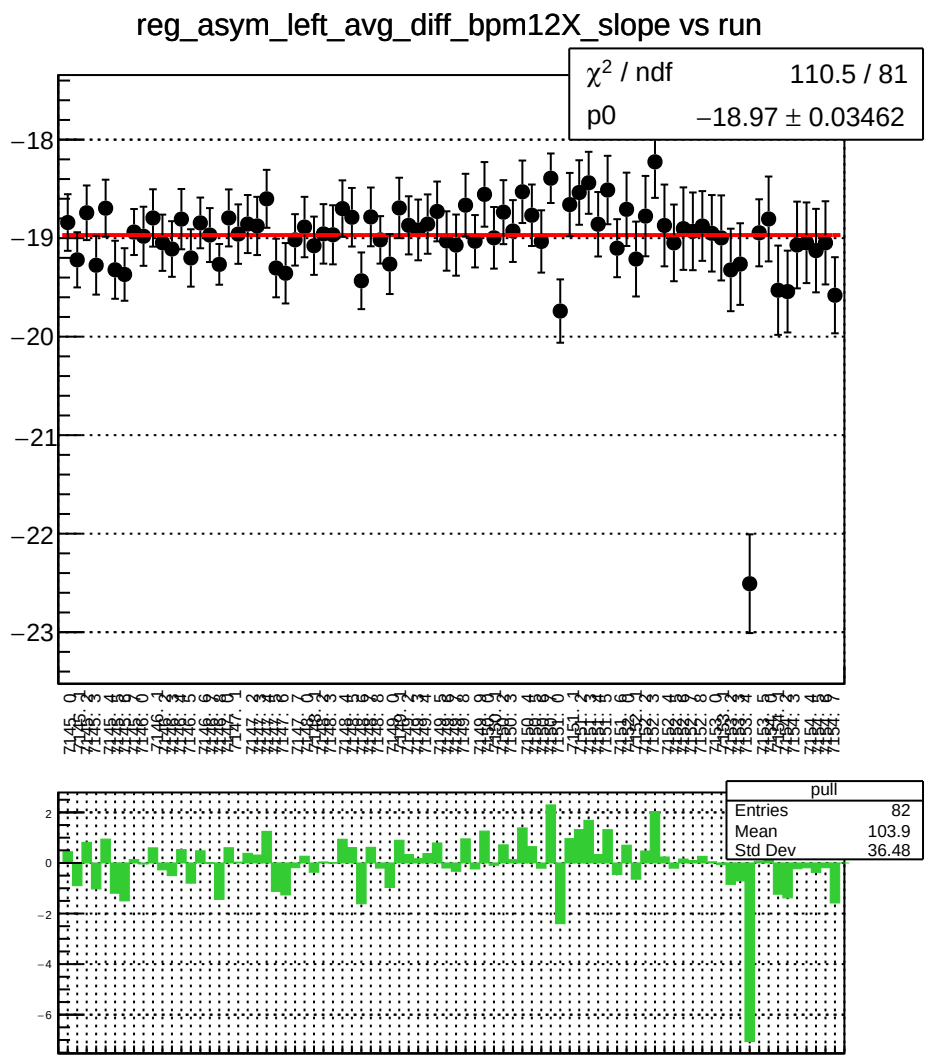

pull1D
Entries 82
Mean −0.05714
Std Dev 0.6892

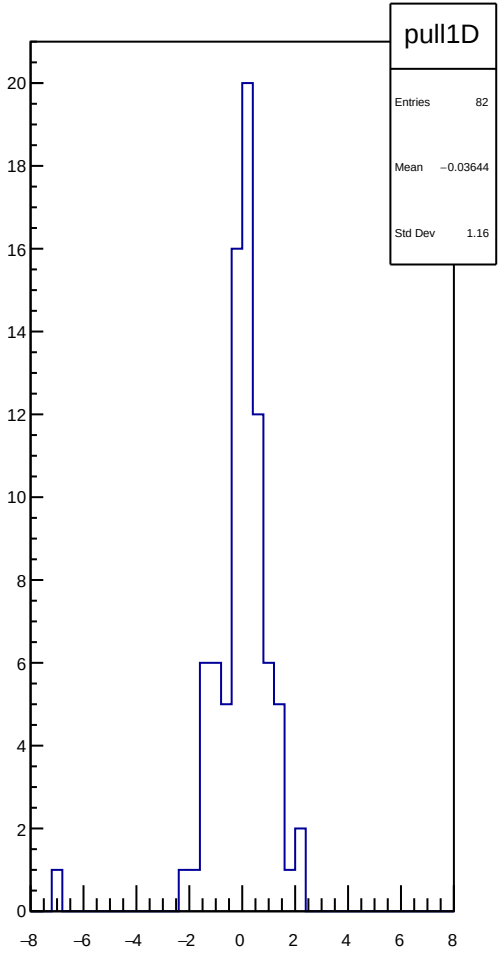

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.72 / 81
p0 0.655 ± 0.8501
pull
Entries 82
Mean 369.1
Std Dev 329.5

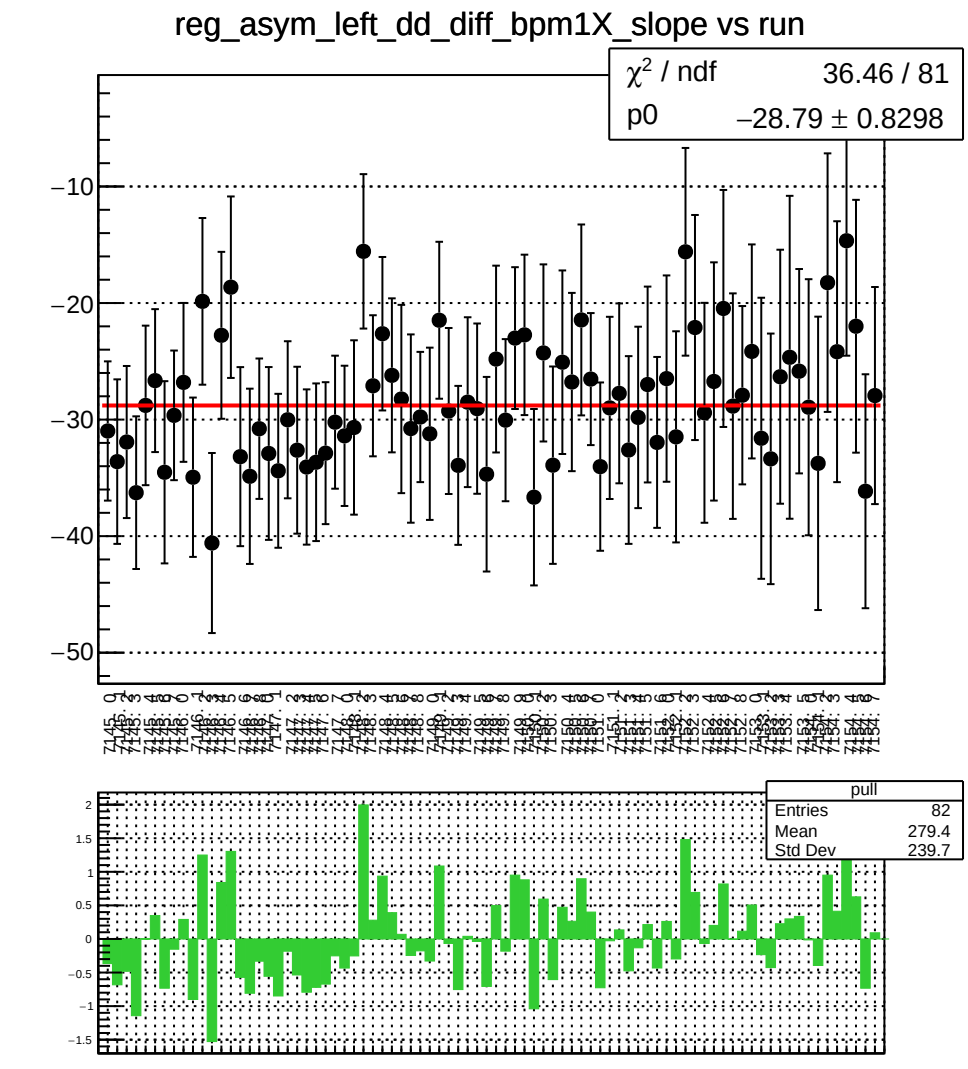

pull1D
Entries 82
Mean −0.01153
Std Dev 0.6871

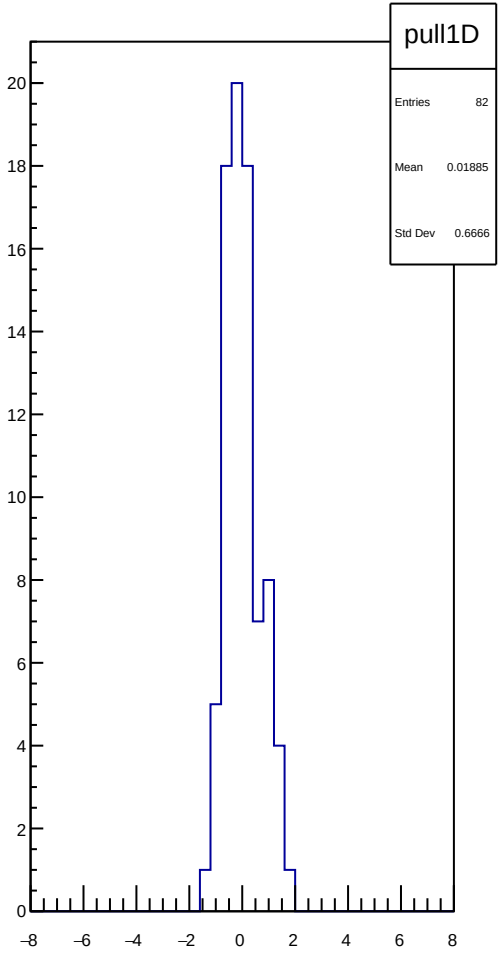

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.4 / 81
p0 8.742 ± 0.7788
pull
Entries 82
Mean 170.1
Std Dev 127.6

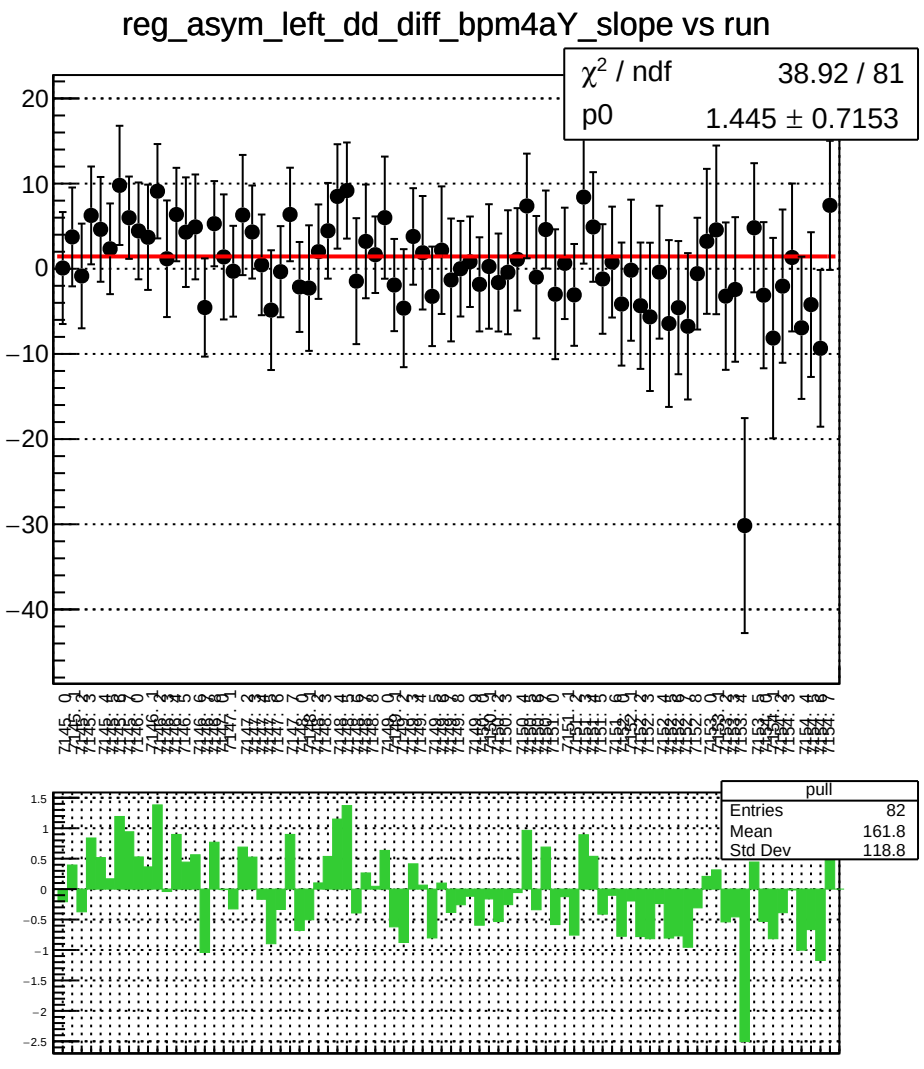

pull1D
Entries 82
Mean 0.07549
Std Dev 0.7319

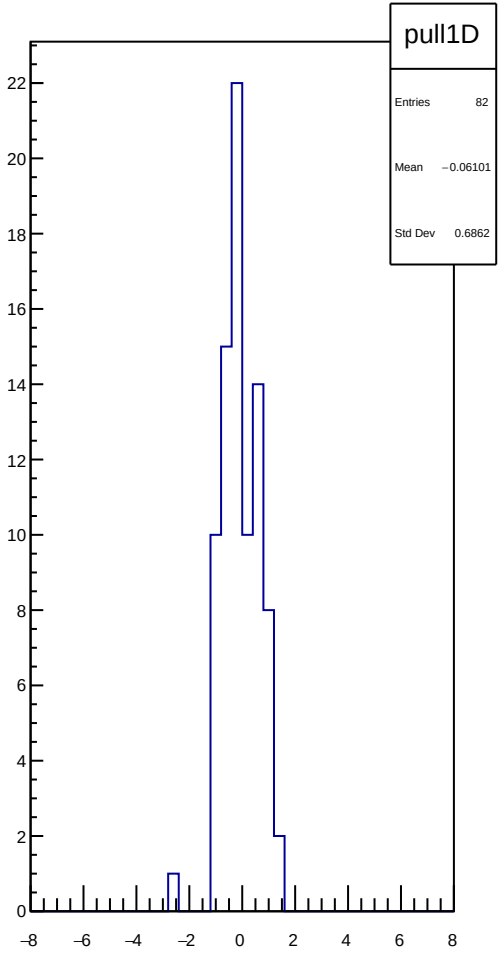

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 110.5 / 81
p0 −18.97 ± 0.03462
pull
Entries 82
Mean 103.9
Std Dev 36.48

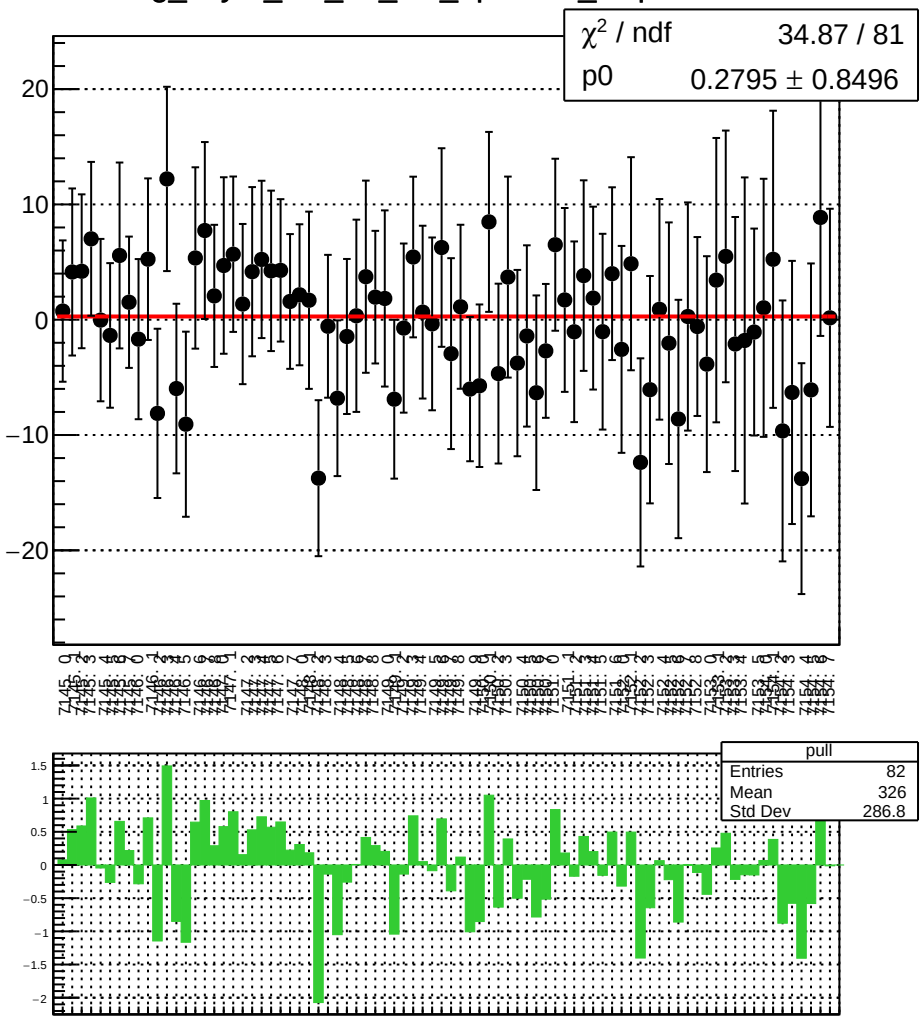

pull1D
Entries 82
Mean −0.03644
Std Dev 1.16

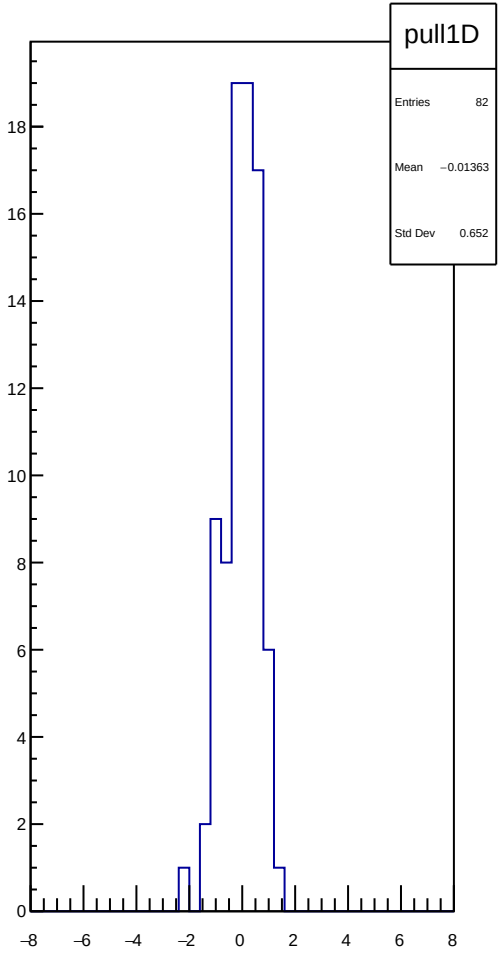

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 36.46 / 81
p0 −28.79 ± 0.8298
pull
Entries 82
Mean 279.4
Std Dev 239.7

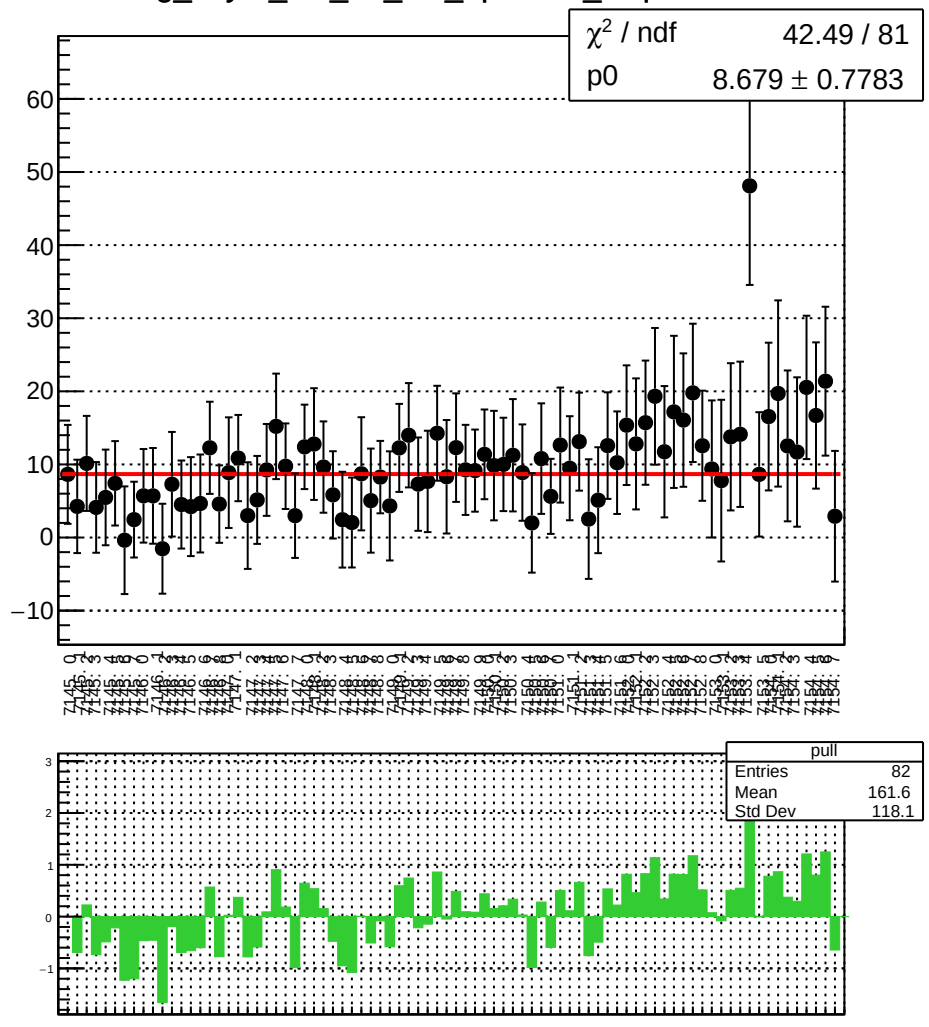

pull1D
Entries 82
Mean 0.01885
Std Dev 0.6666

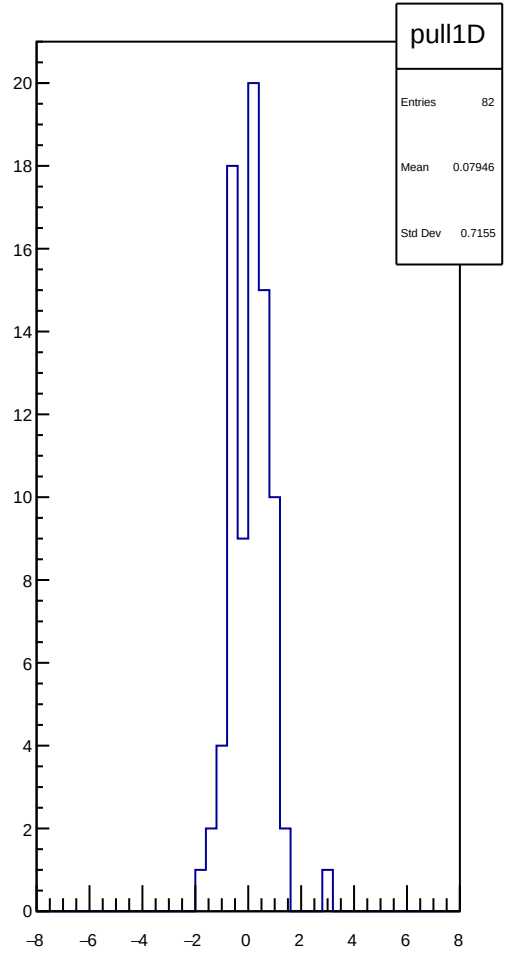

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.92 / 81
p0 1.445 ± 0.7153
pull
Entries 82
Mean 161.8
Std Dev 118.8

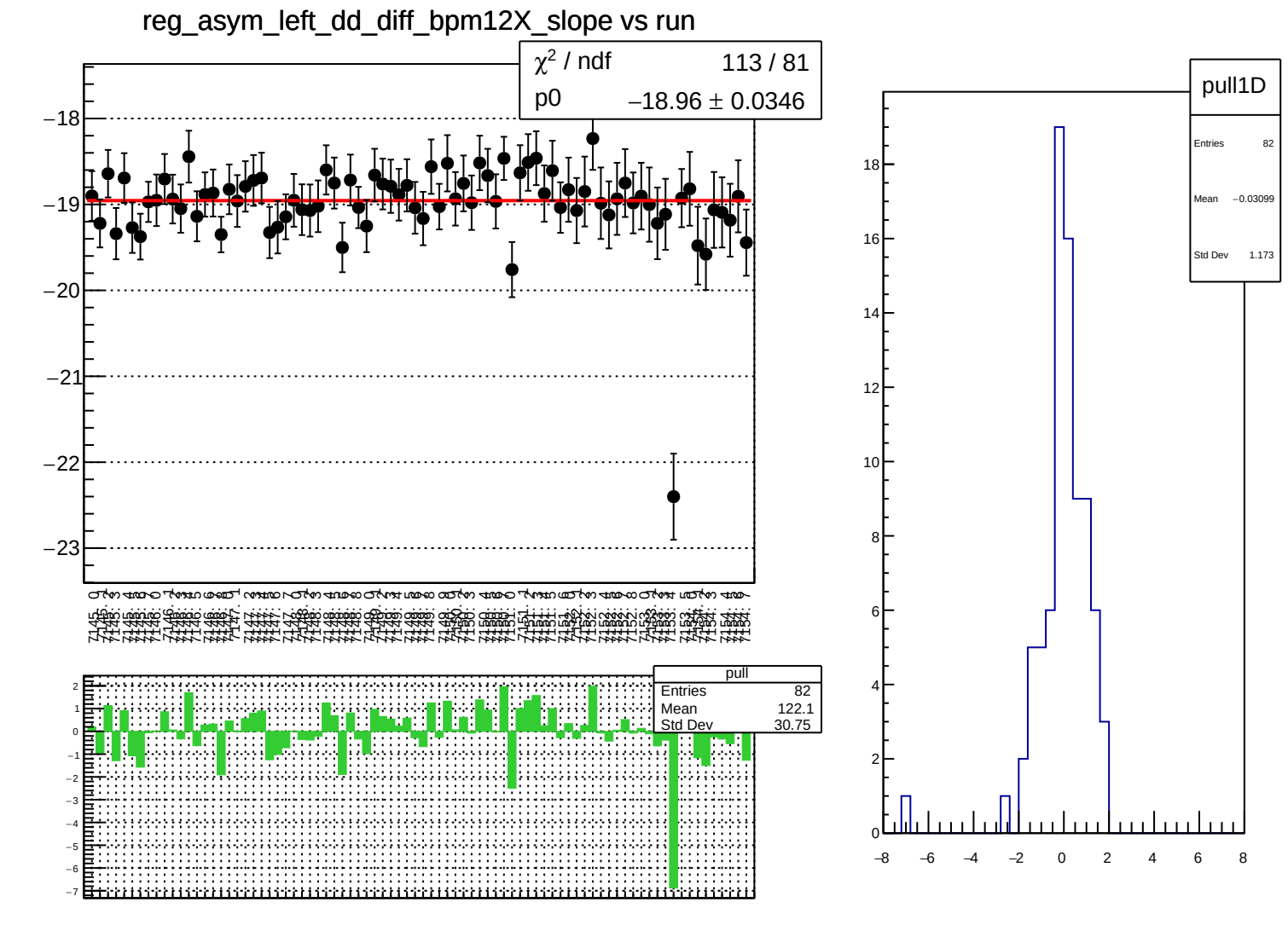

pull1D
Entries 82
Mean −0.06101
Std Dev 0.6862

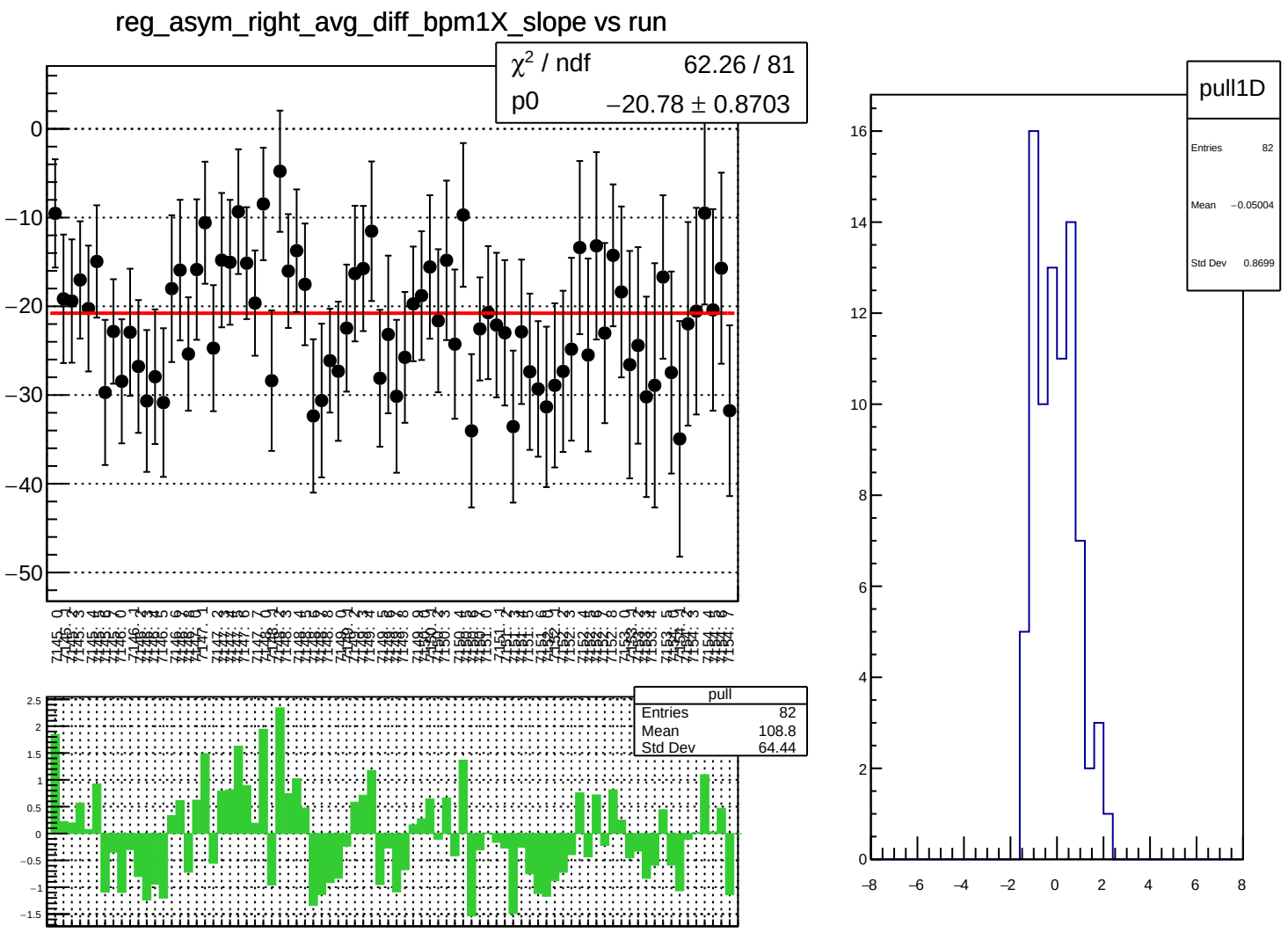

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.87 / 81
p0 0.2795 ± 0.8496
pull
Entries 82
Mean 326
Std Dev 286.8

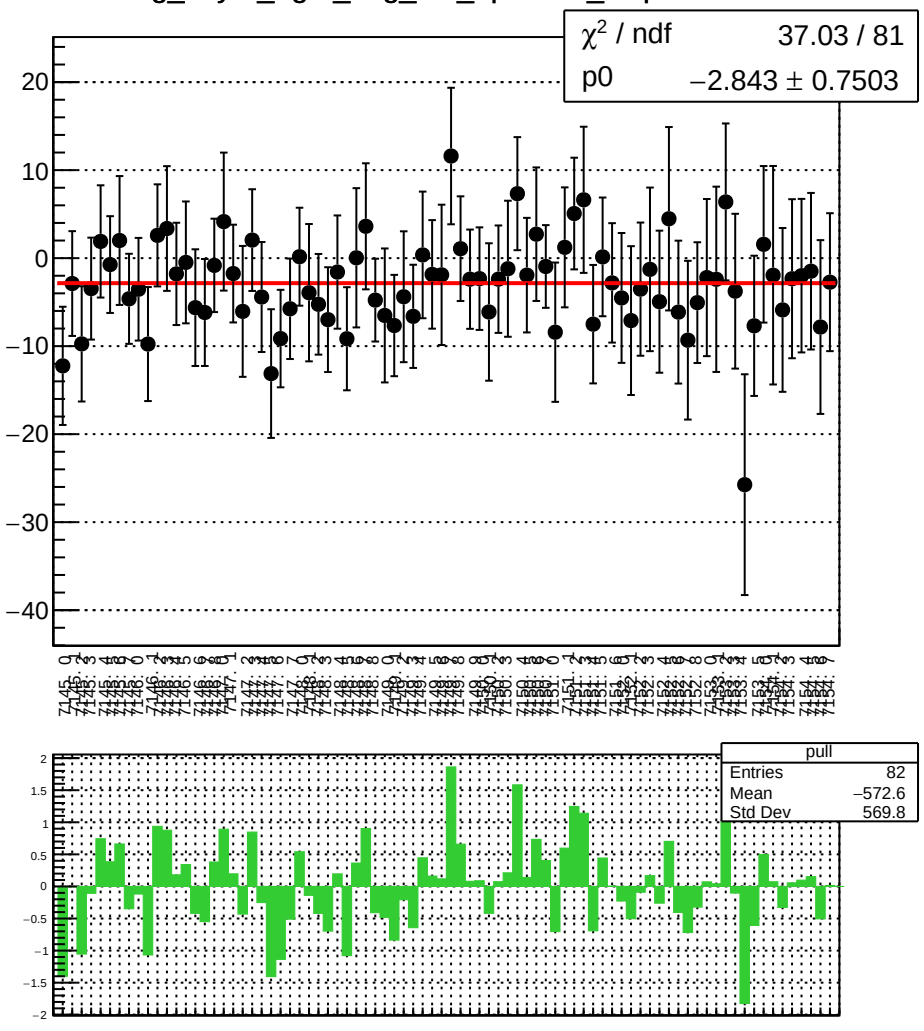

pull1D
Entries 82
Mean −0.01363
Std Dev 0.652

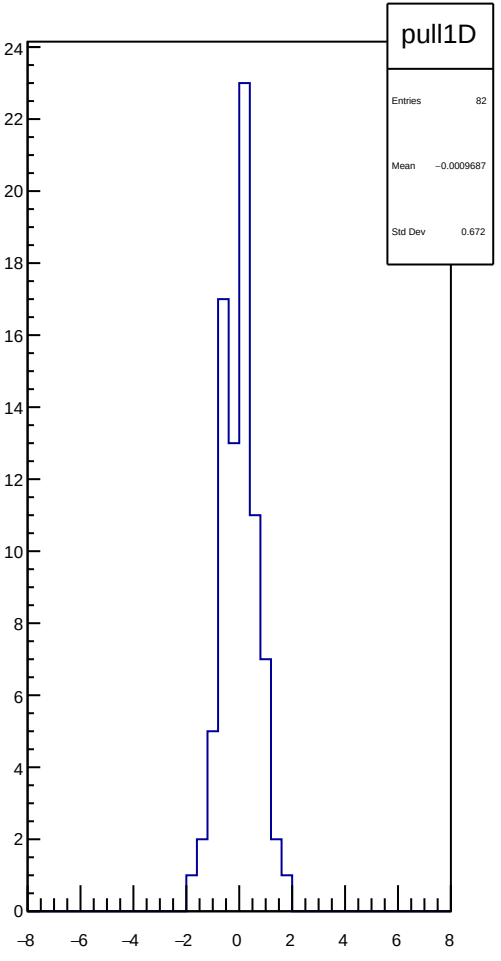

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.49 / 81
p0 8.679 ± 0.7783
pull
Entries 82
Mean 161.6
Std Dev 118.1

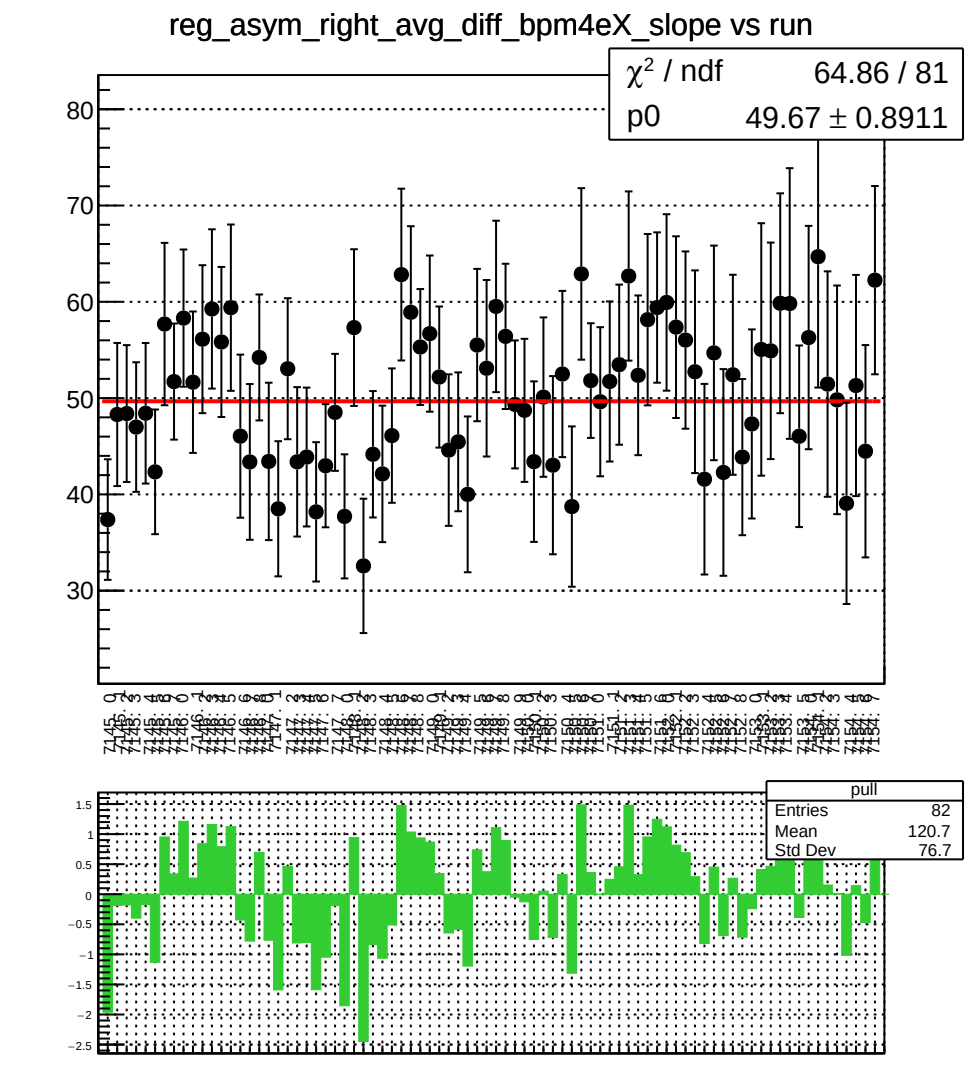

pull1D
Entries 82
Mean 0.07946
Std Dev 0.7155

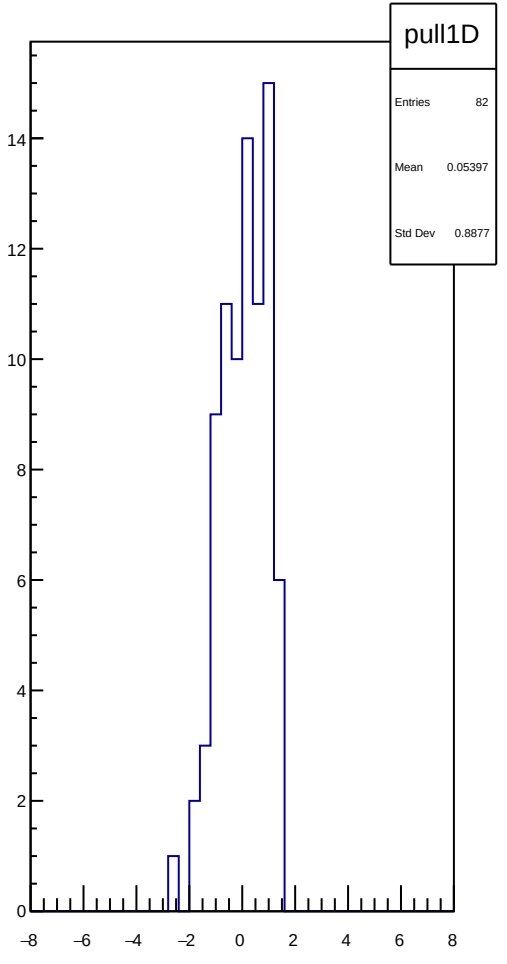

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 113 / 81
p0 −18.96 ± 0.0346
pull
Entries 82
Mean 122.1
Std Dev 30.75
pull1D
Entries 82
Mean −0.03099
Std Dev 1.173

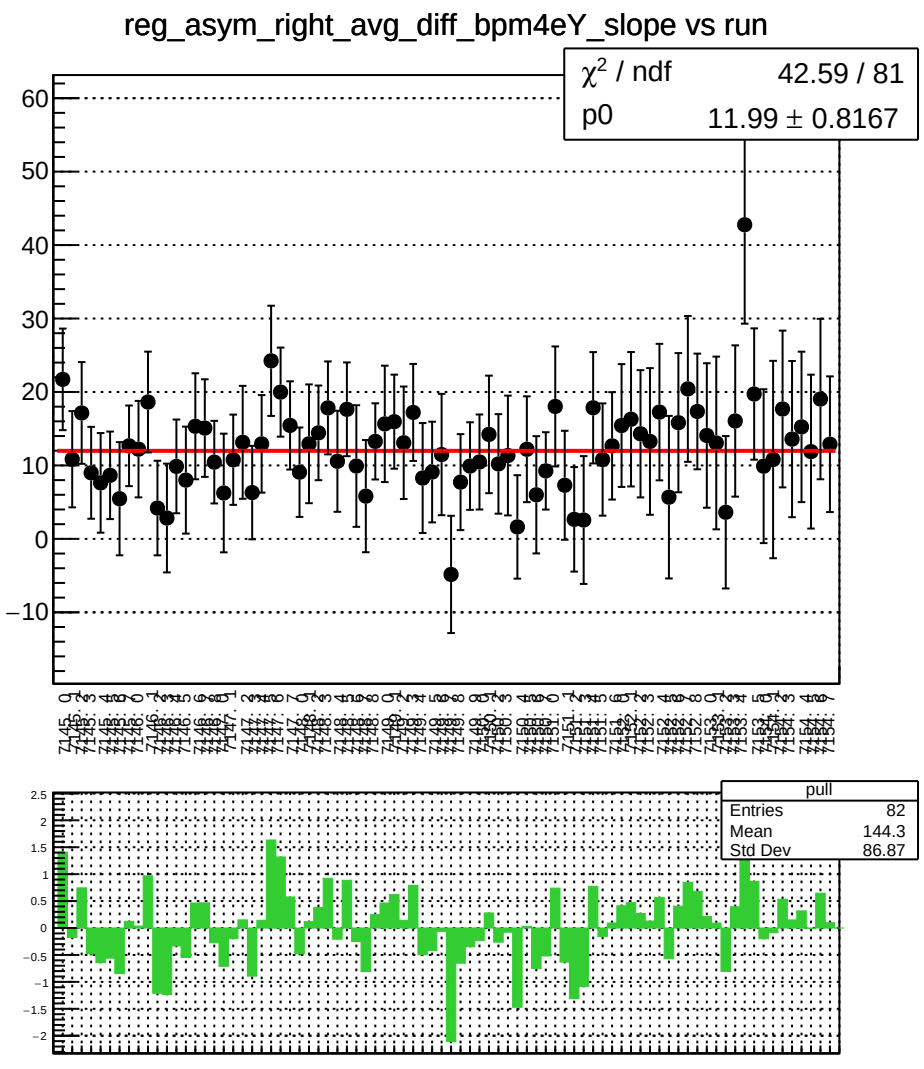

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 62.26 / 81
p0 −20.78 ± 0.8703
pull
Entries 82
Mean 108.8
Std Dev 64.44
pull1D
Entries 82
Mean −0.05004
Std Dev 0.8699

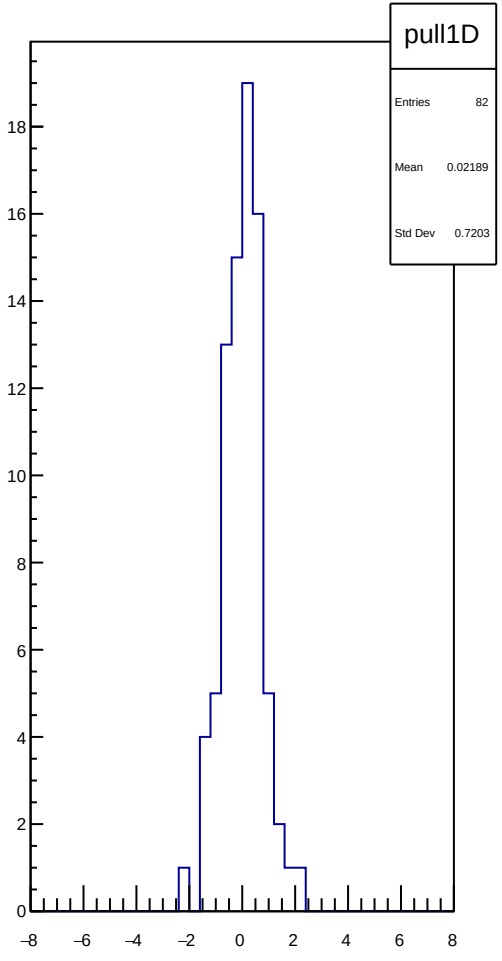

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.03 / 81
p0 −2.843 ± 0.7503
pull
Entries 82
Mean −572.6
Std Dev 569.8

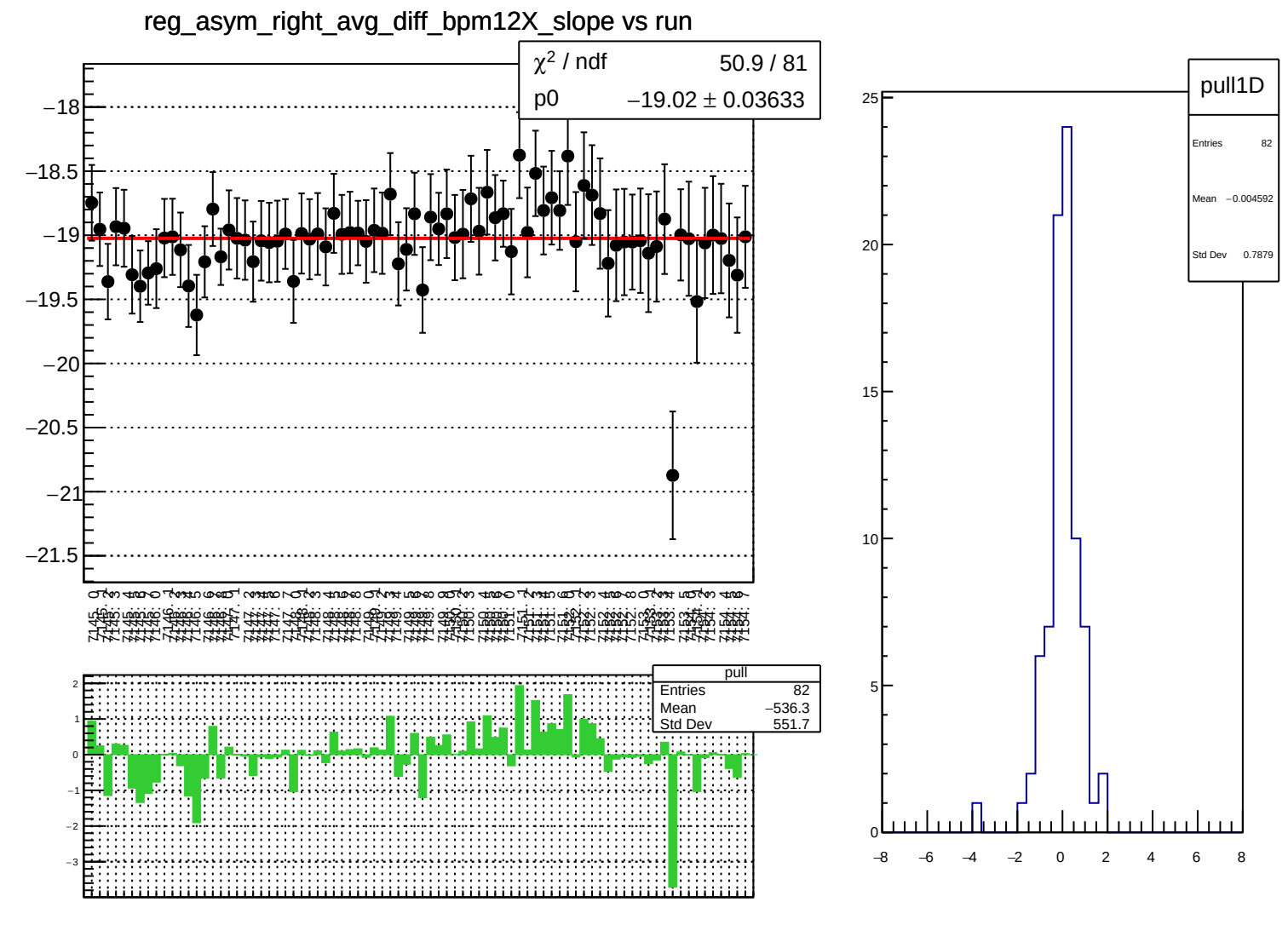

pull1D
Entries 82
Mean −0.0009687
Std Dev 0.672

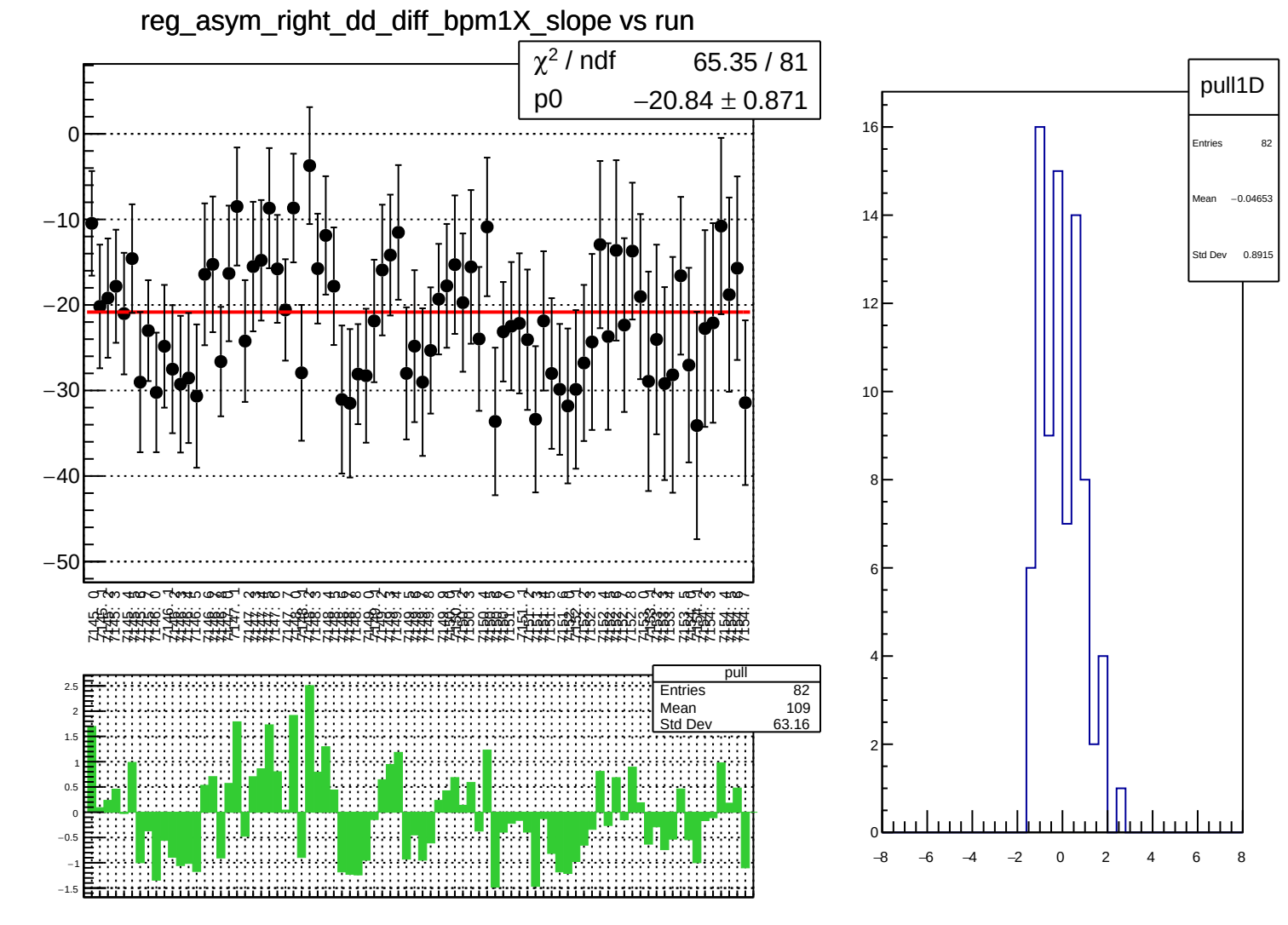

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.86 / 81
p0 49.67 ± 0.8911
pull
Entries 82
Mean 120.7
Std Dev 76.7

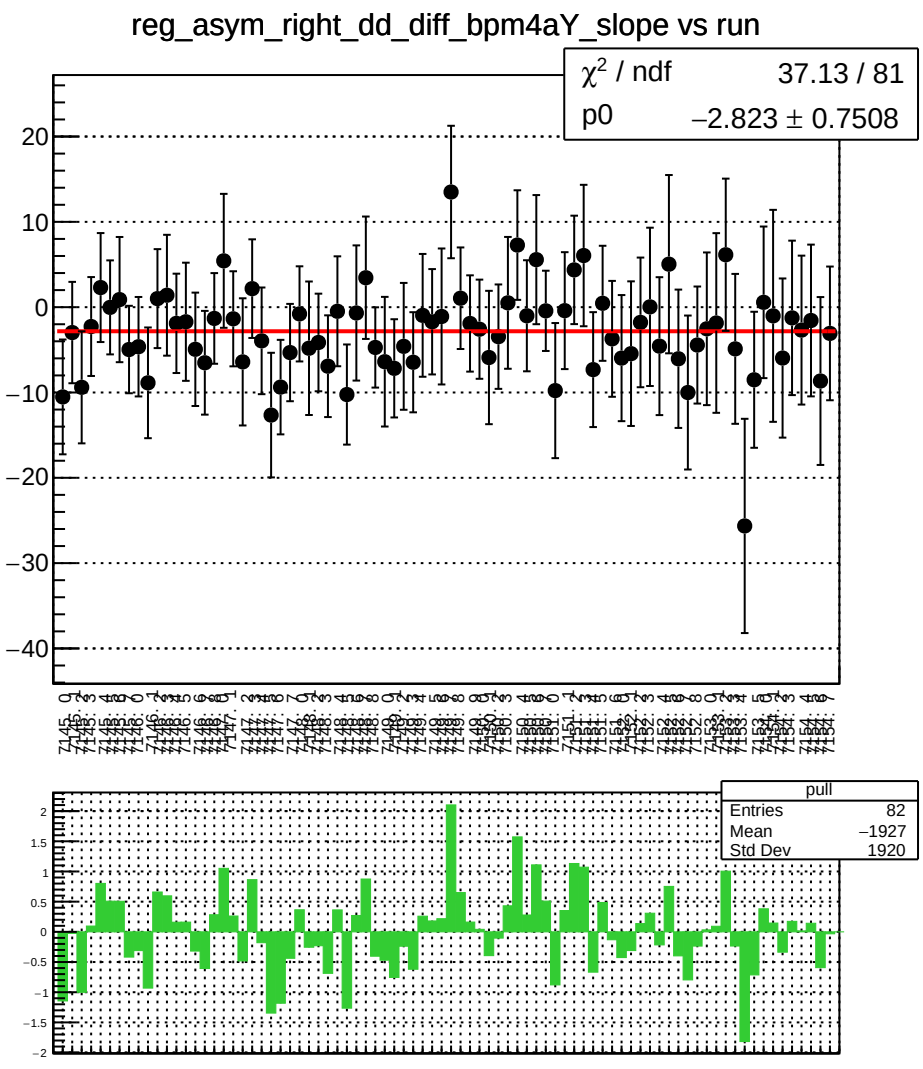

pull1D
Entries 82
Mean 0.05397
Std Dev 0.8877

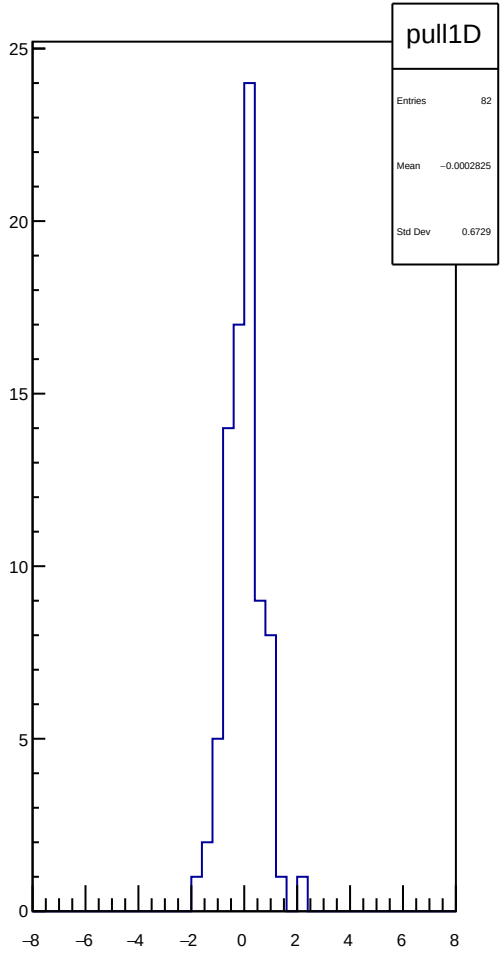

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.59 / 81
p0 11.99 ± 0.8167
pull
Entries 82
Mean 144.3
Std Dev 86.87

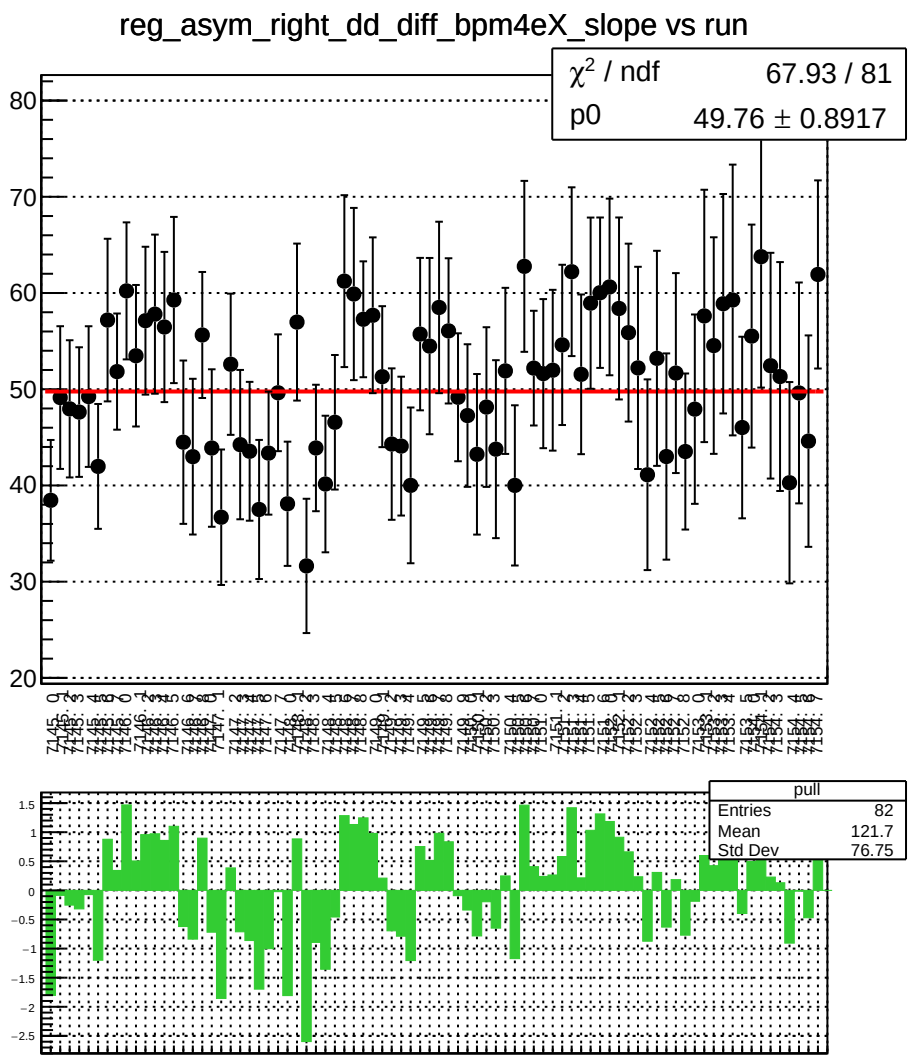

pull1D
Entries 82
Mean 0.02189
Std Dev 0.7203

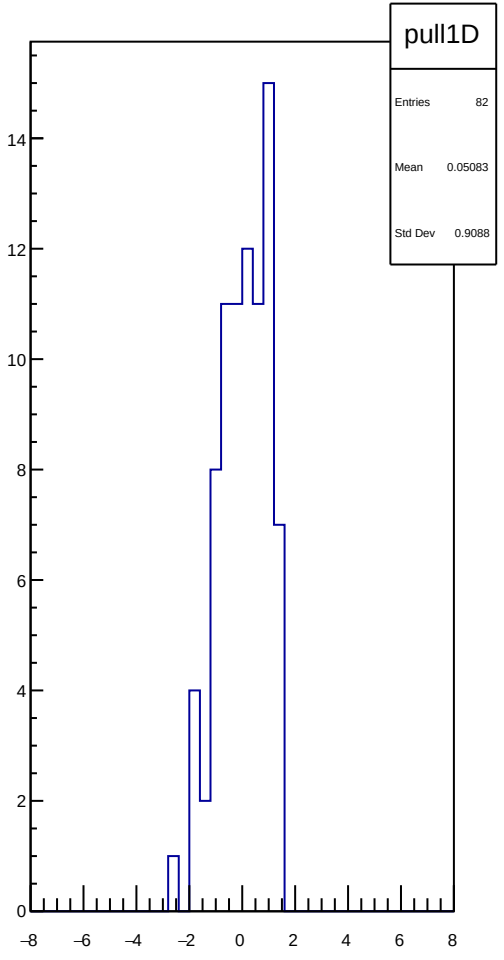

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 50.9 / 81
p0 −19.02 ± 0.03633
−18
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
pull
Entries 82
Mean −536.3
Std Dev 551.7
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.004592
Std Dev 0.7879
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

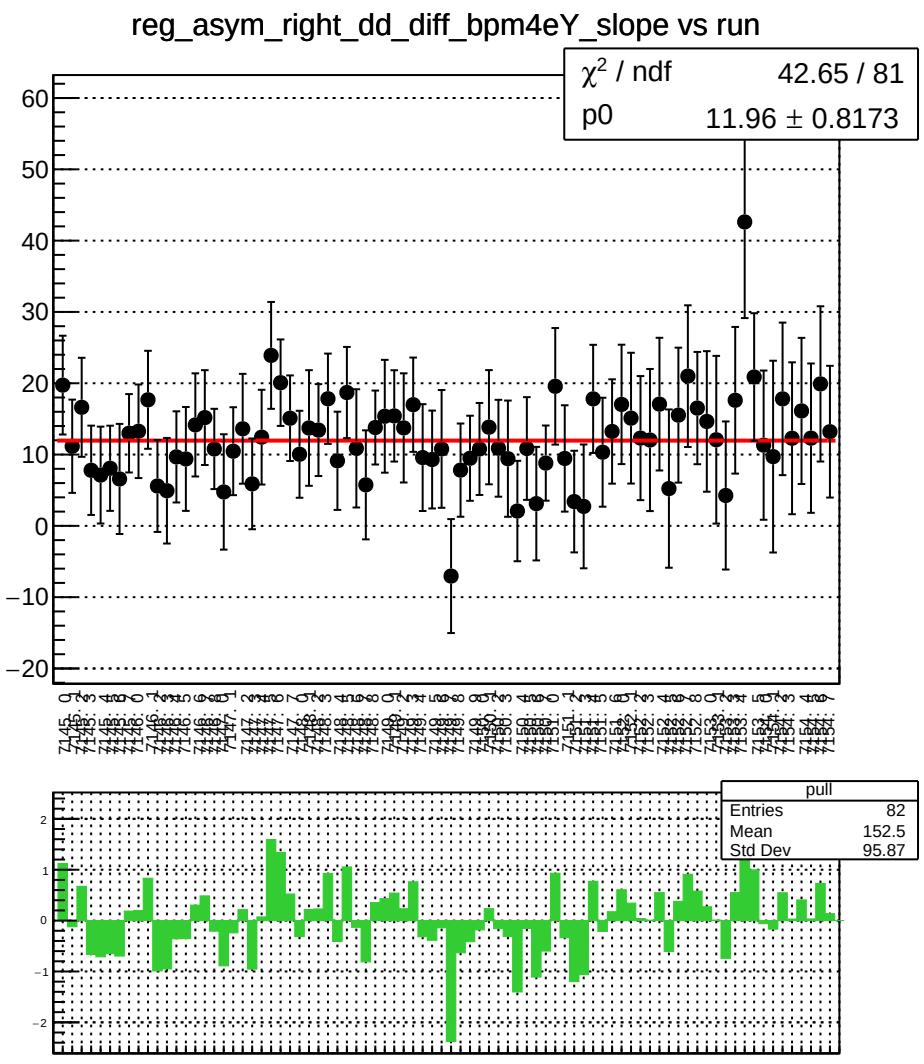

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 65.35 / 81
p0 −20.84 ± 0.871
pull
Entries 82
Mean 109
Std Dev 63.16
pull1D
Entries 82
Mean −0.04653
Std Dev 0.8915

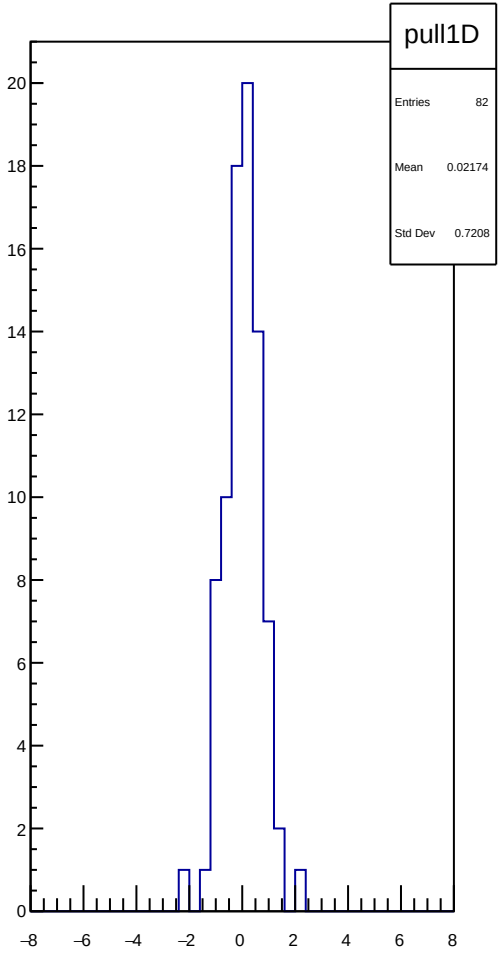

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.13 / 81
p0 −2.823 ± 0.7508
pull
Entries 82
Mean −1927
Std Dev 1920

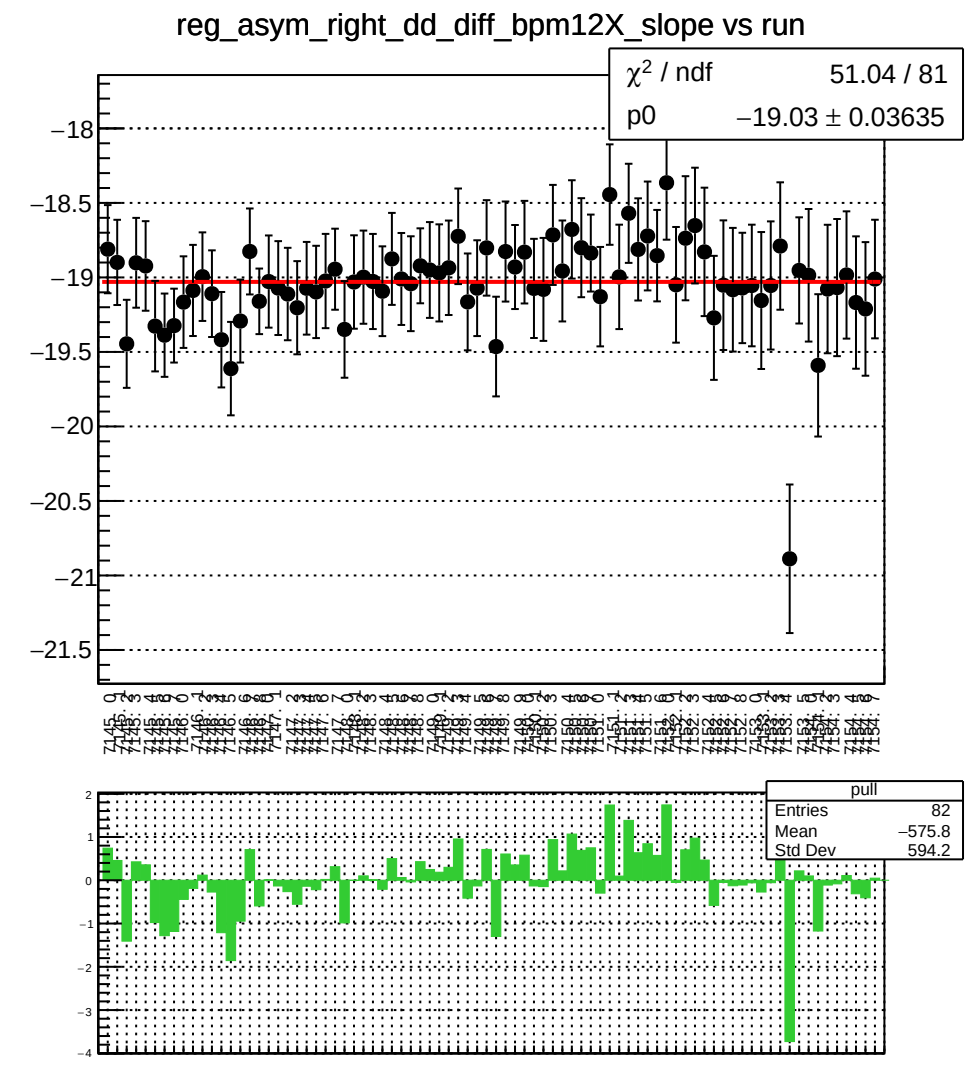

pull1D
Entries 82
Mean −0.0002825
Std Dev 0.6729

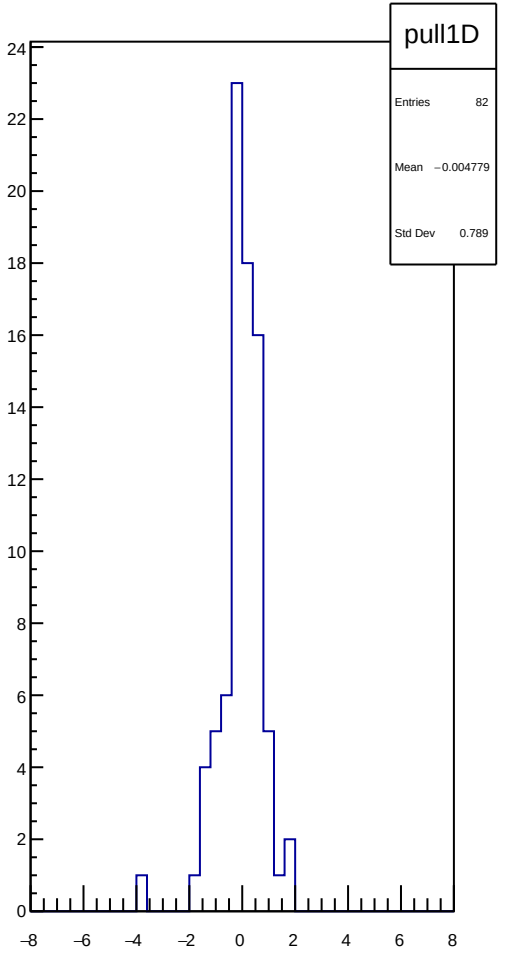

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 67.93 / 81
p0 49.76 ± 0.8917
pull
Entries 82
Mean 121.7
Std Dev 76.75

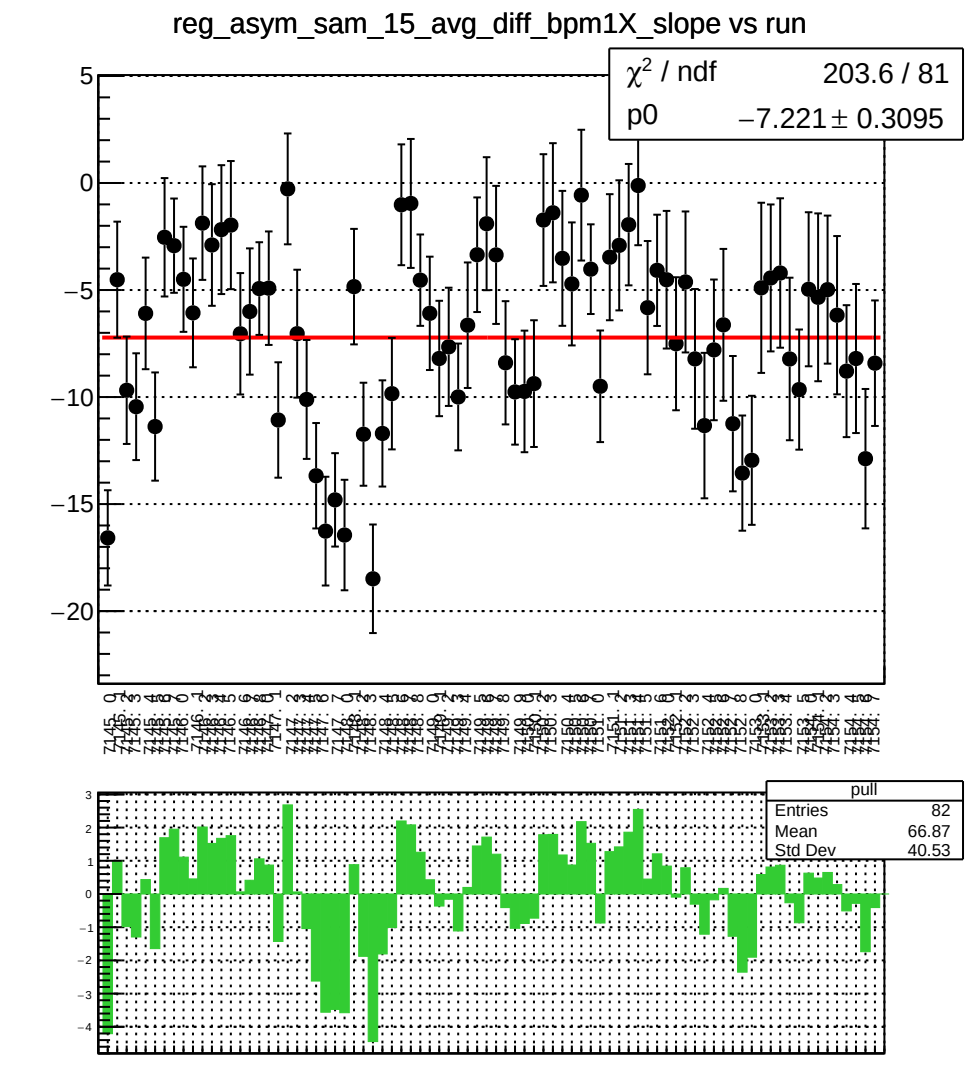

pull1D
Entries 82
Mean 0.05083
Std Dev 0.9088

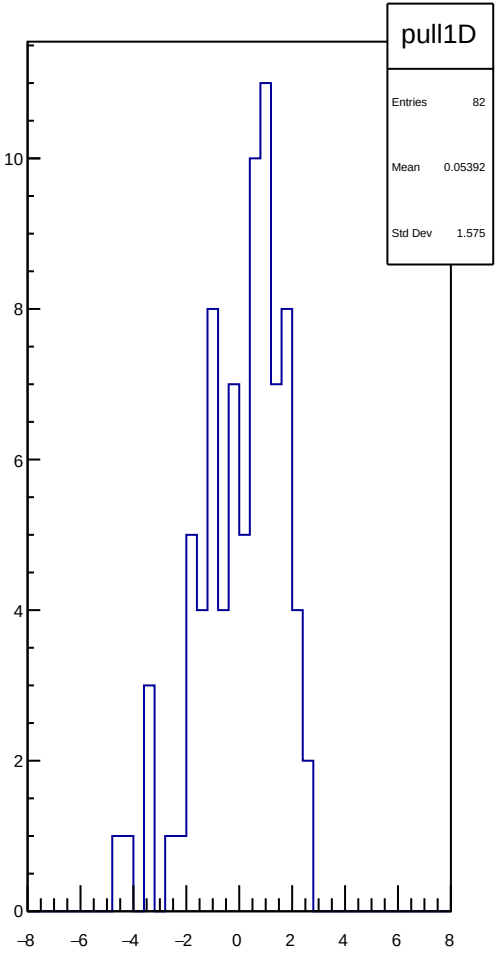

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.65 / 81
p0 11.96 ± 0.8173
pull
Entries 82
Mean 152.5
Std Dev 95.87

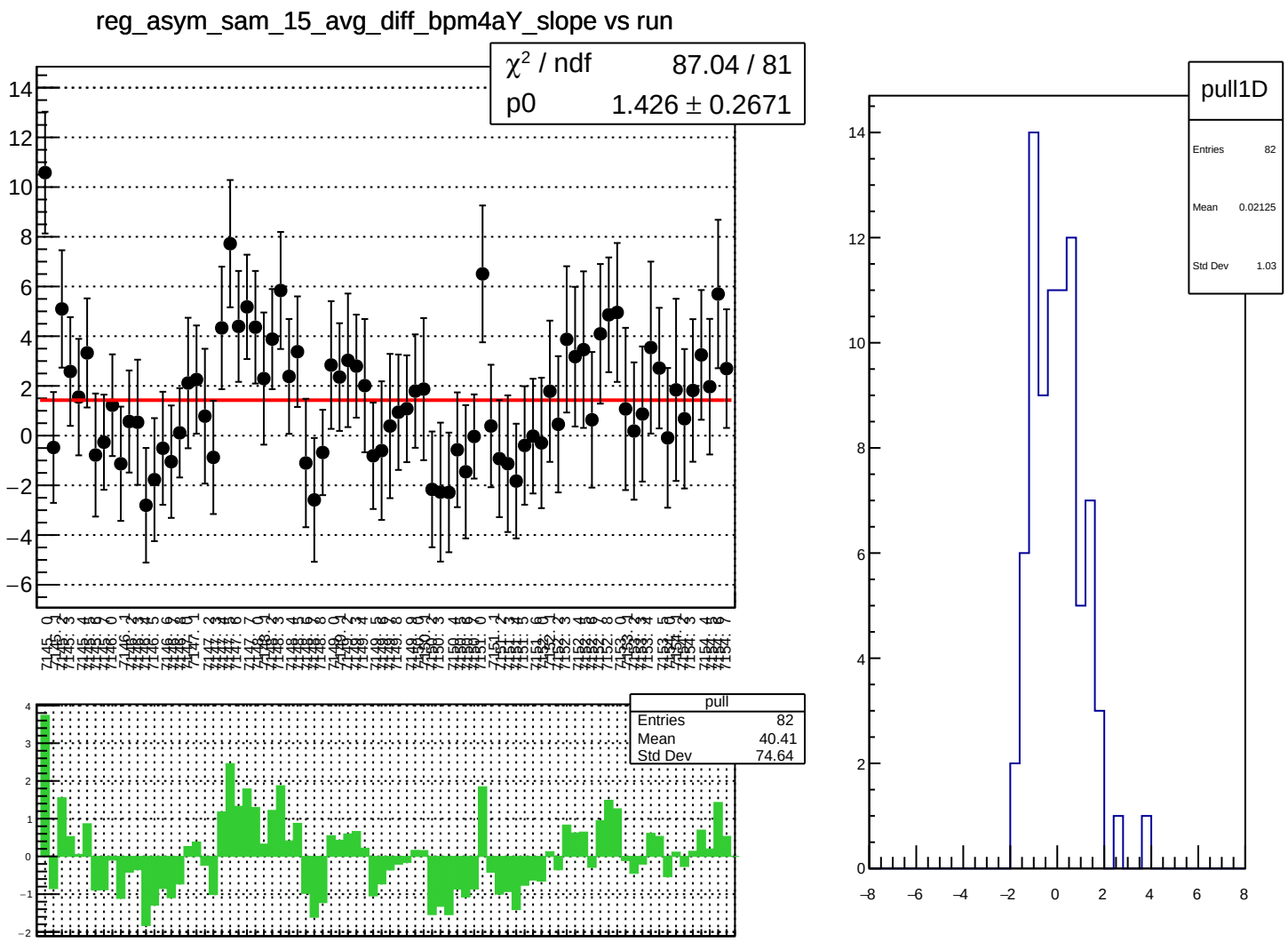

pull1D
Entries 82
Mean 0.02174
Std Dev 0.7208

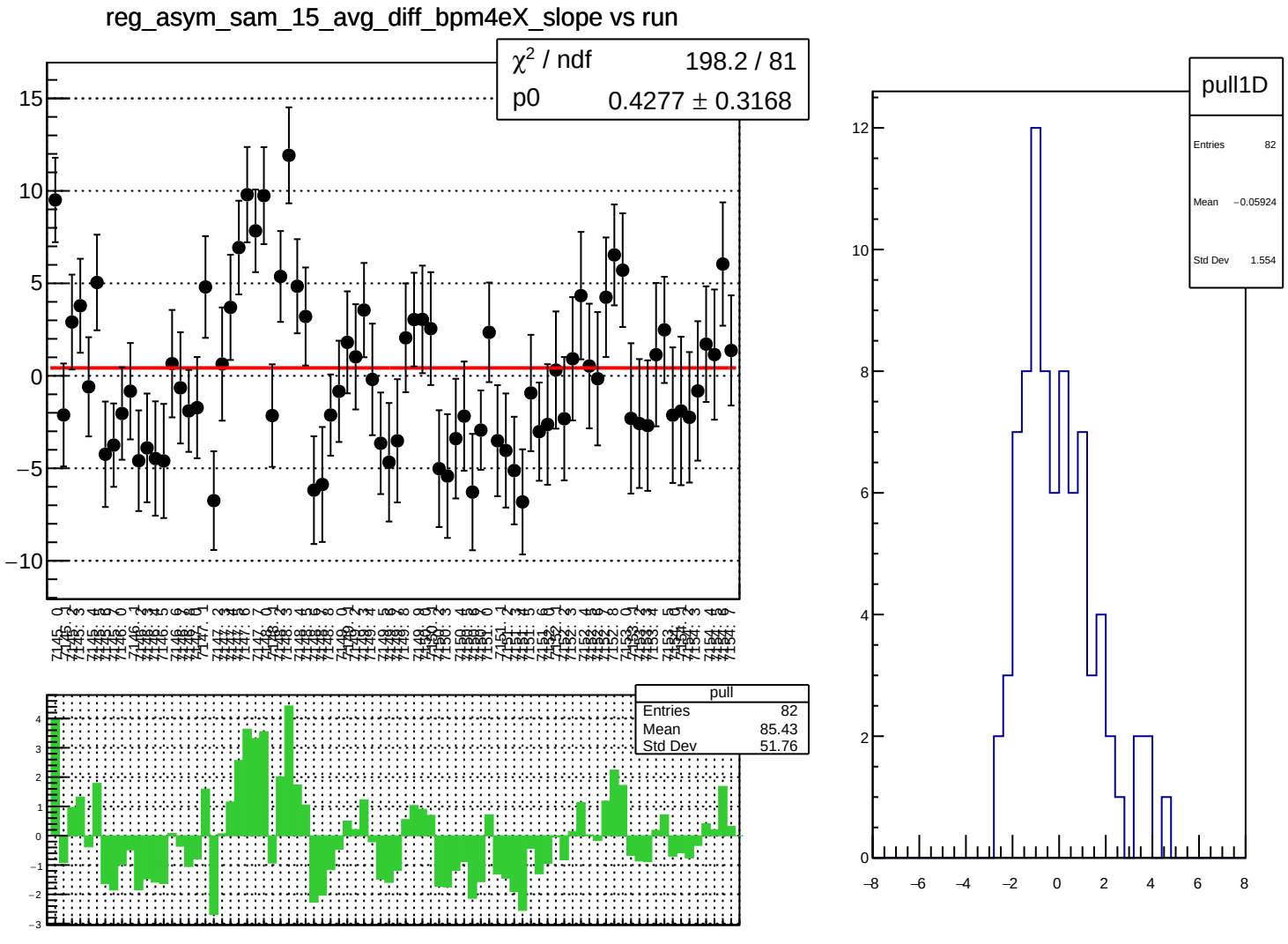

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 51.04 / 81
p0 −19.03 ± 0.03635
pull
Entries 82
Mean −575.8
Std Dev 594.2

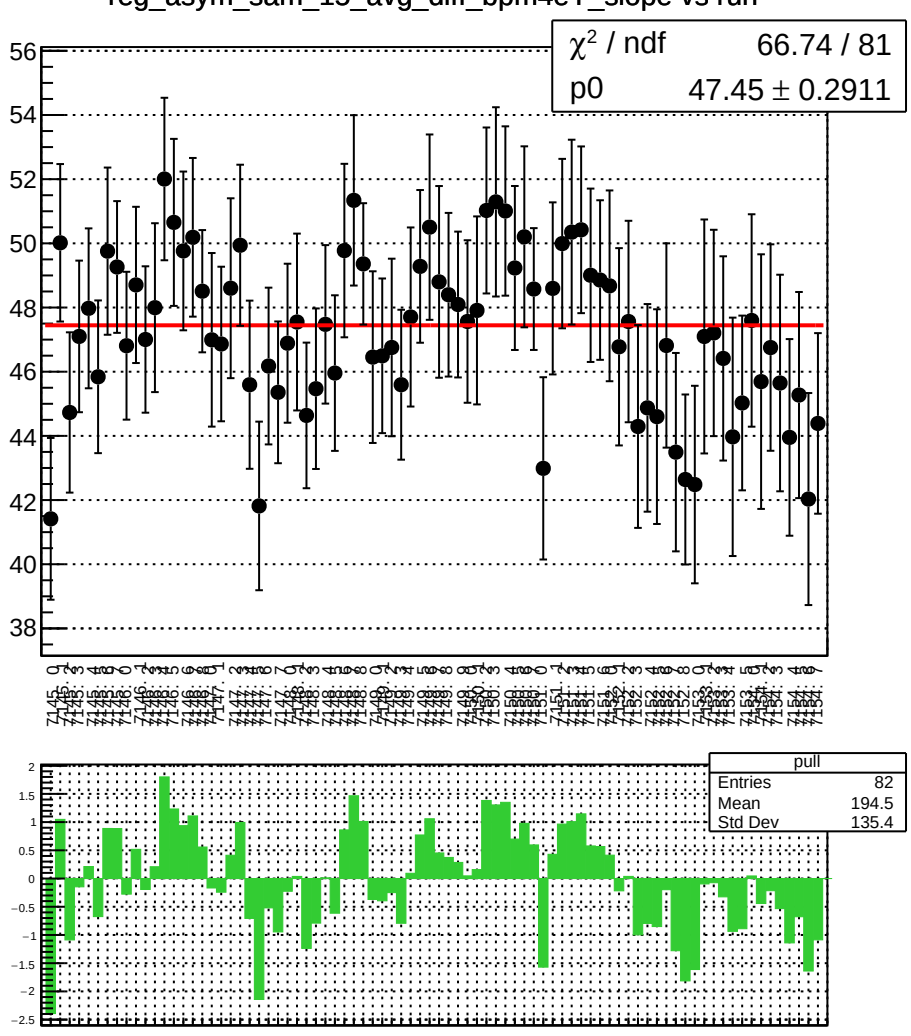

pull1D
Entries 82
Mean −0.004779
Std Dev 0.789

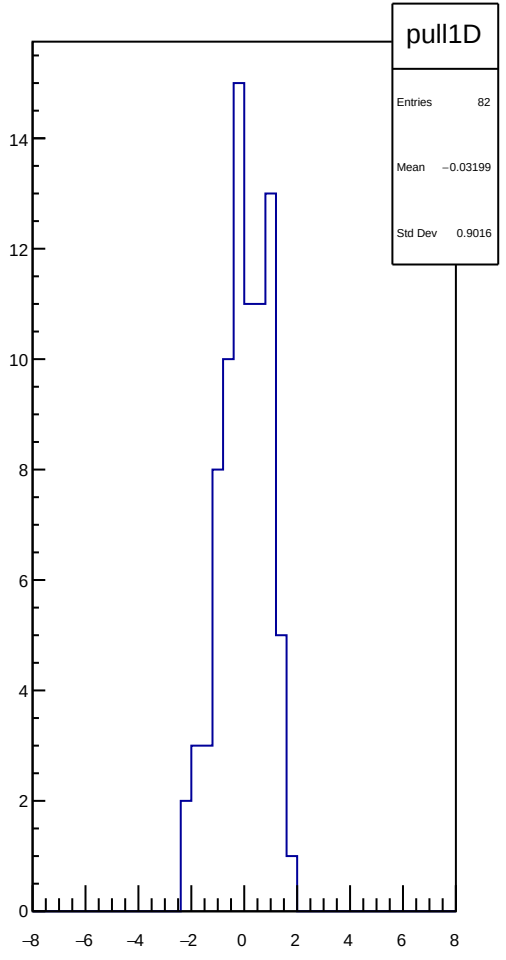

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 203.6 / 81
p0 −7.221 ± 0.3095
pull
Entries 82
Mean 66.87
Std Dev 40.53

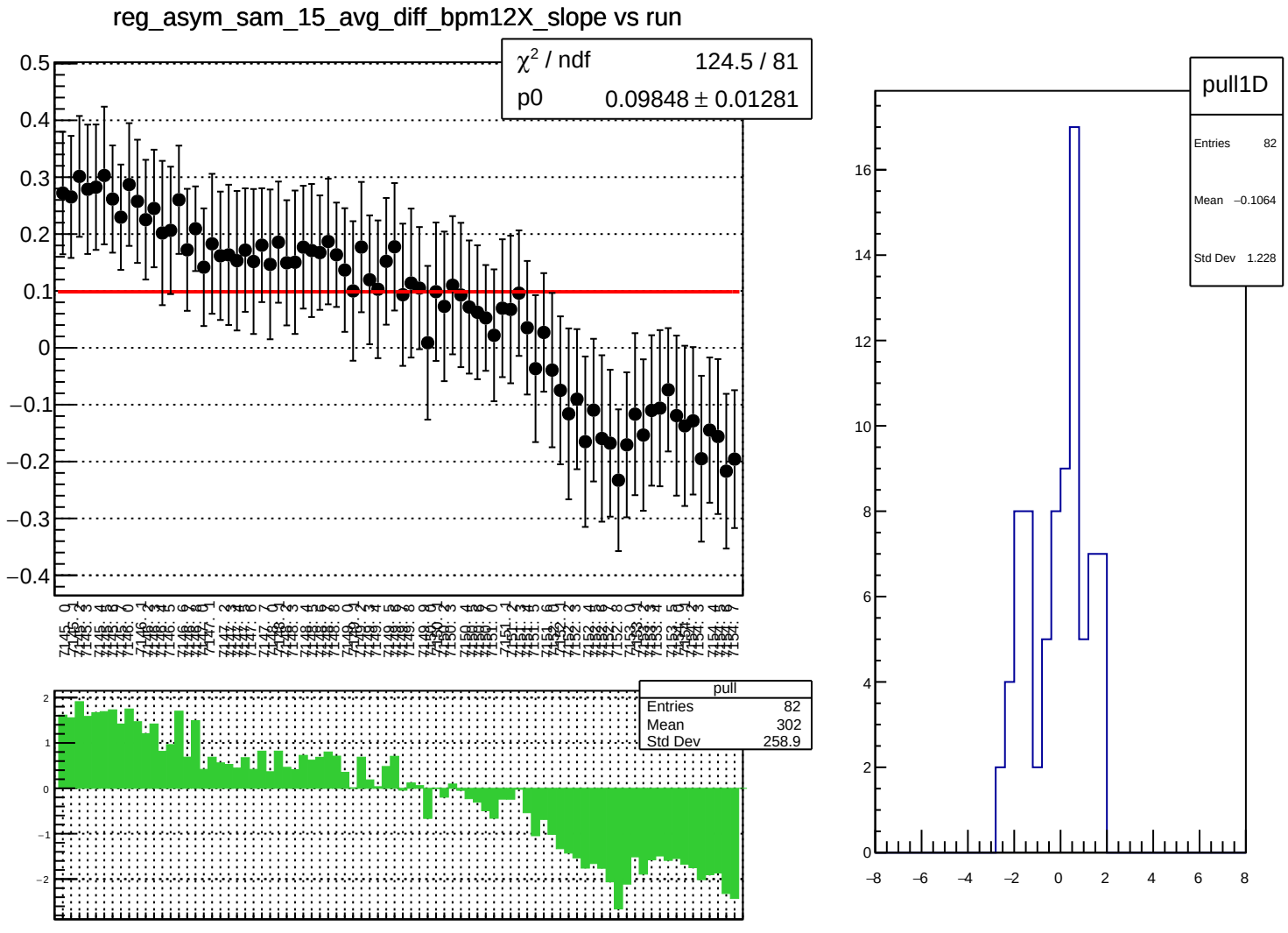

pull1D
Entries 82
Mean 0.05392
Std Dev 1.575

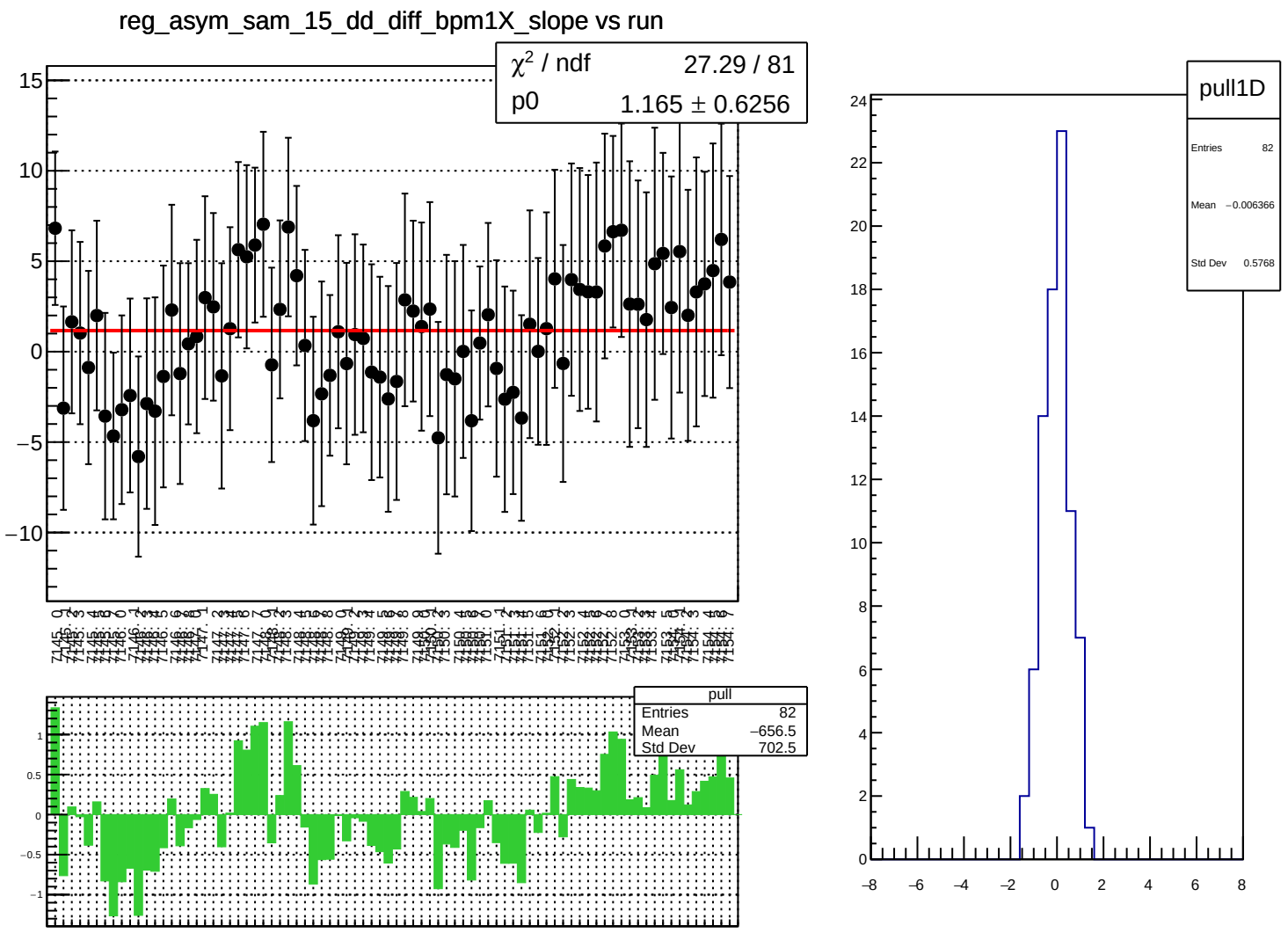

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.04 / 81
p0 1.426 ± 0.2671
pull
Entries 82
Mean 40.41
Std Dev 74.64
pull1D
Entries 82
Mean 0.02125
Std Dev 1.03

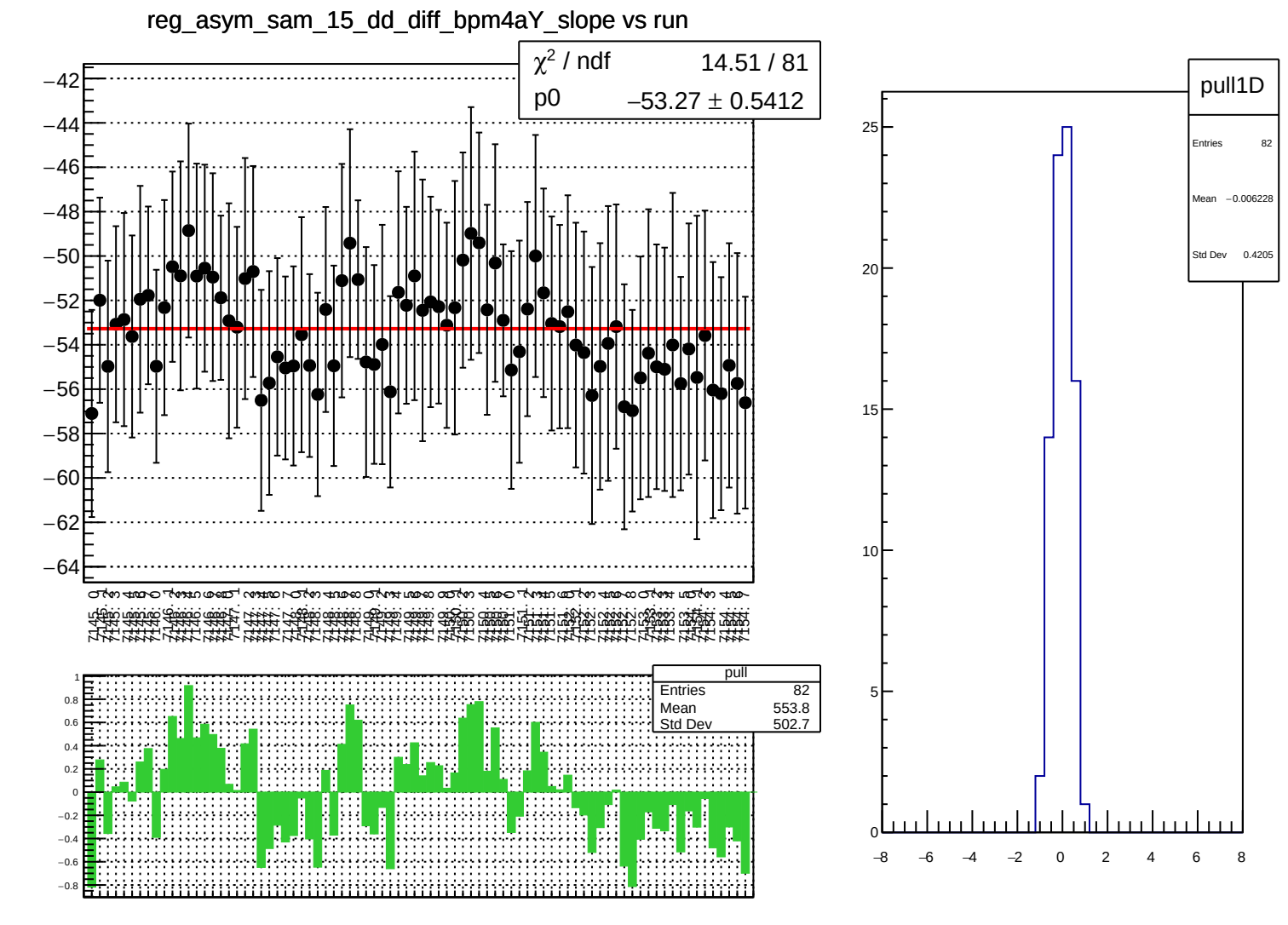

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 198.2 / 81
p0 0.4277 ± 0.3168
pull
Entries 82
Mean 85.43
Std Dev 51.76
pull1D
Entries 82
Mean −0.05924
Std Dev 1.554

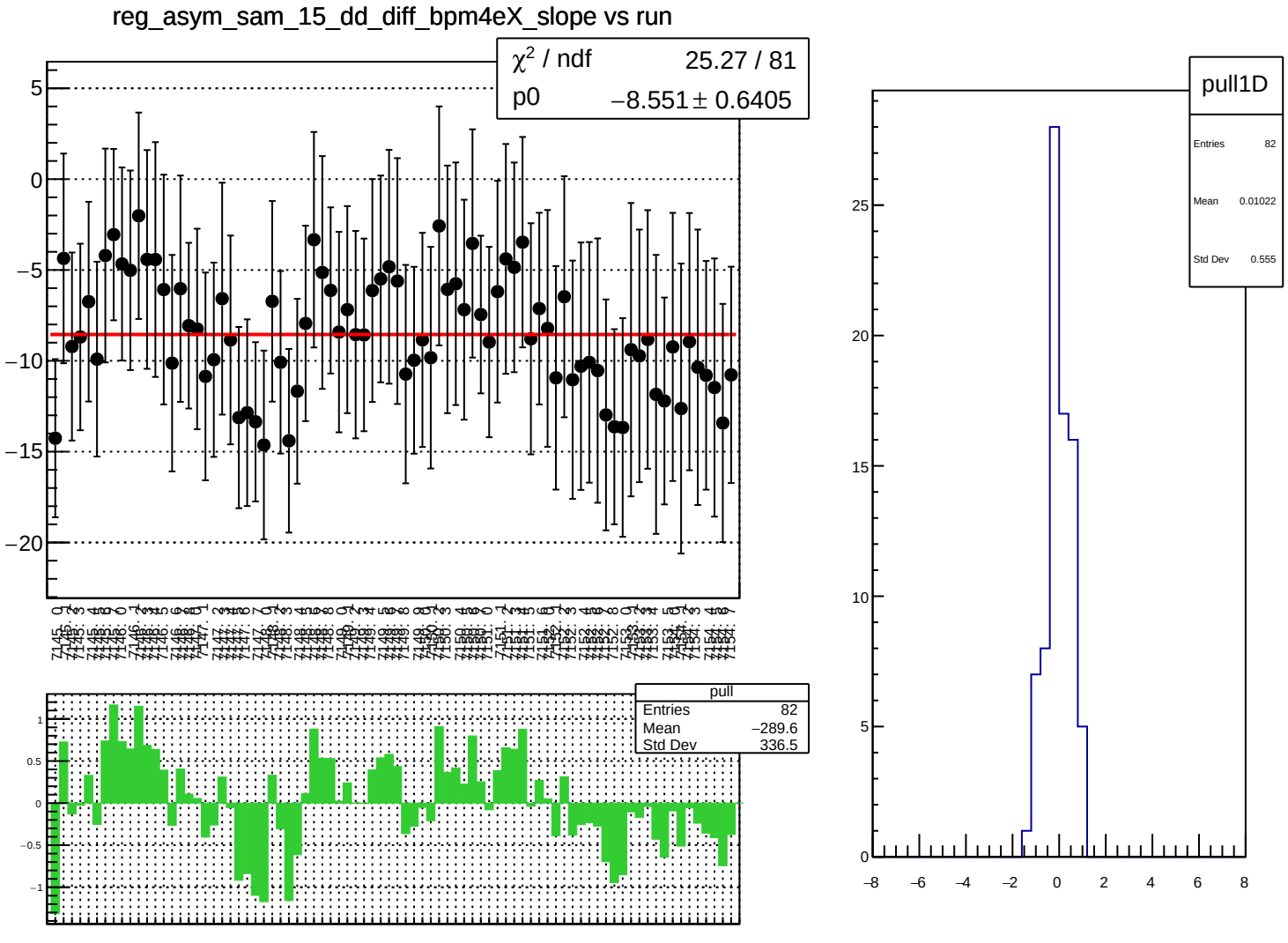

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.74 / 81
p0 47.45 ± 0.2911
pull
Entries 82
Mean 194.5
Std Dev 135.4

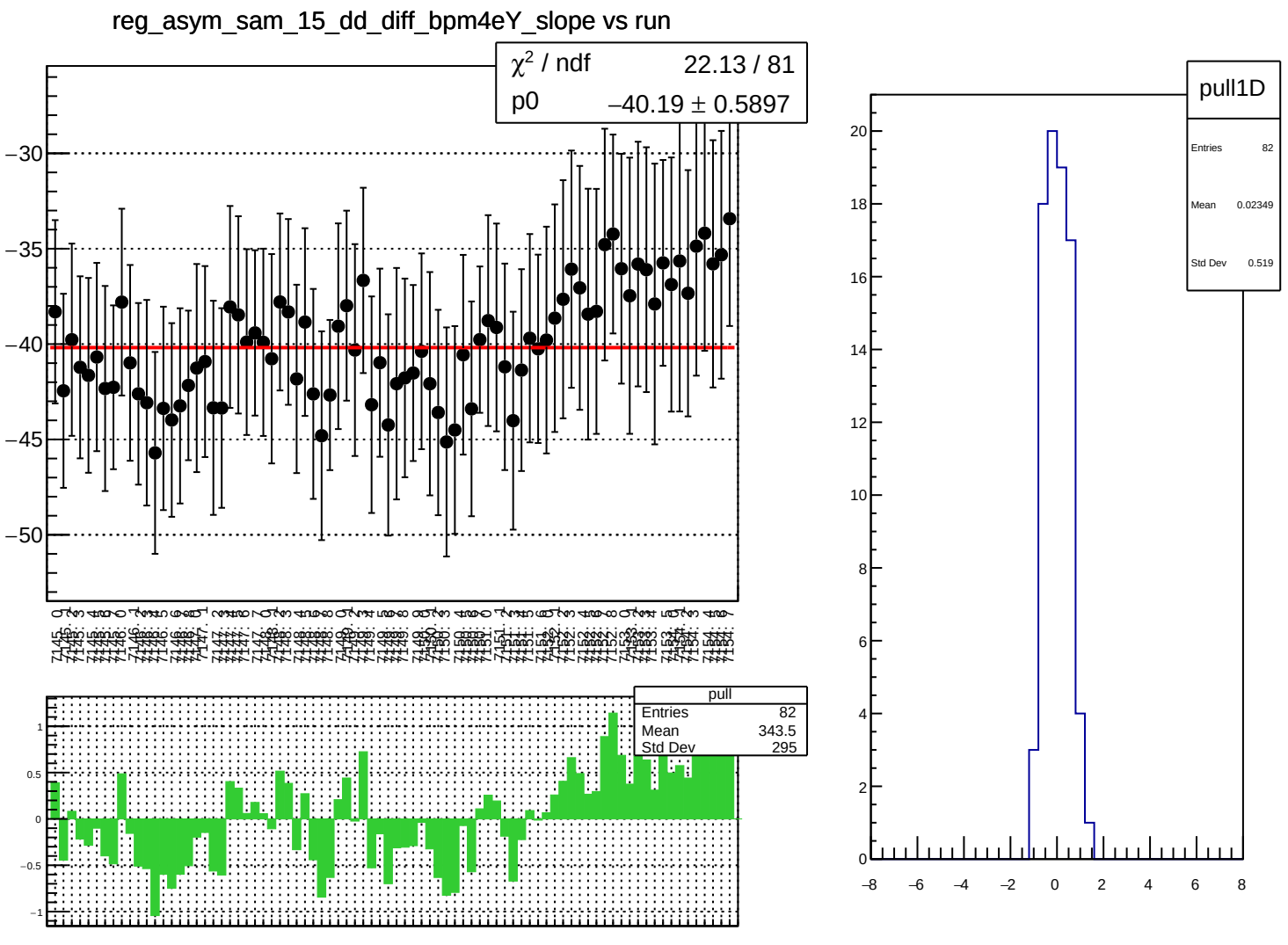

pull1D
Entries 82
Mean −0.03199
Std Dev 0.9016

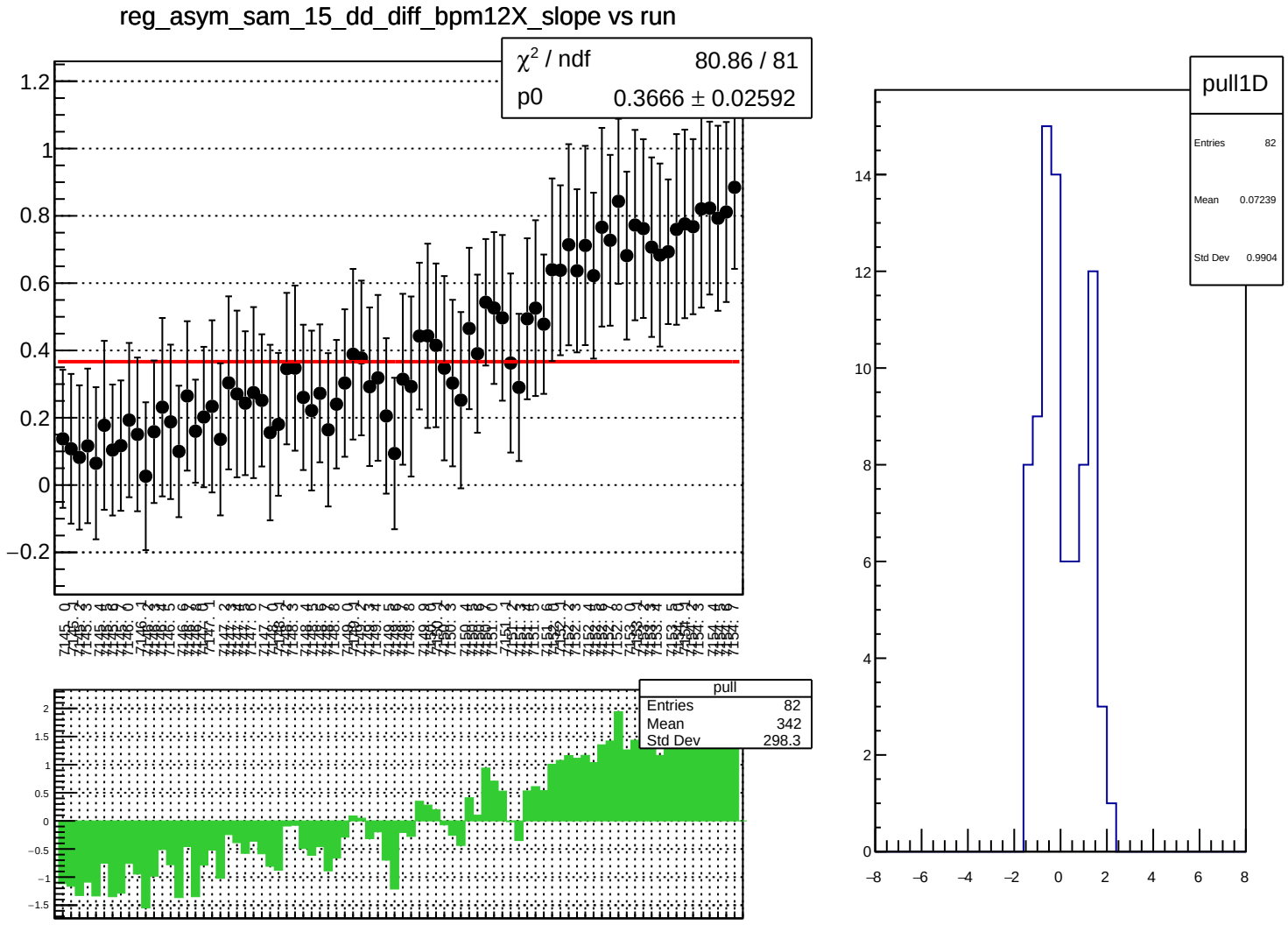

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 124.5 / 81
p0 0.09848 ± 0.01281
pull
Entries 82
Mean 302
Std Dev 258.9
pull1D
Entries 82
Mean −0.1064
Std Dev 1.228

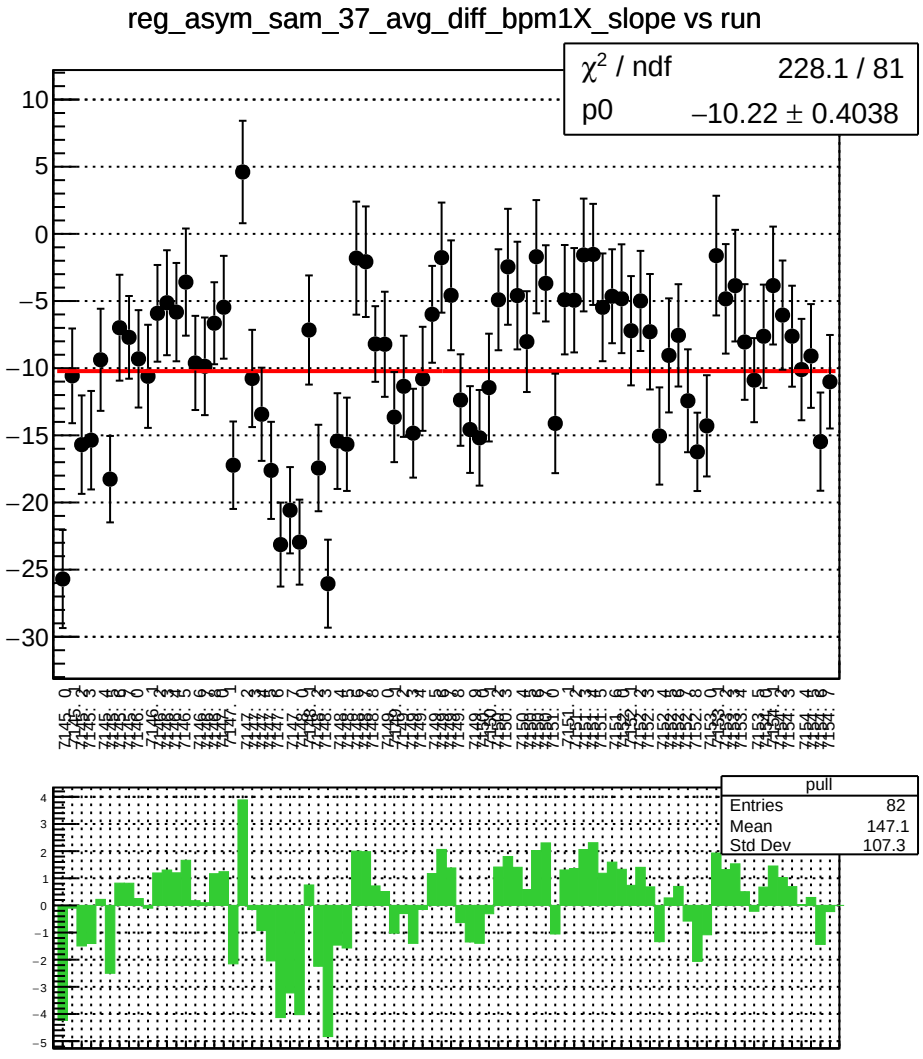

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 27.29 / 81
p0 1.165 ± 0.6256
pull
Entries 82
Mean −656.5
Std Dev 702.5
pull1D
Entries 82
Mean −0.006366
Std Dev 0.5768

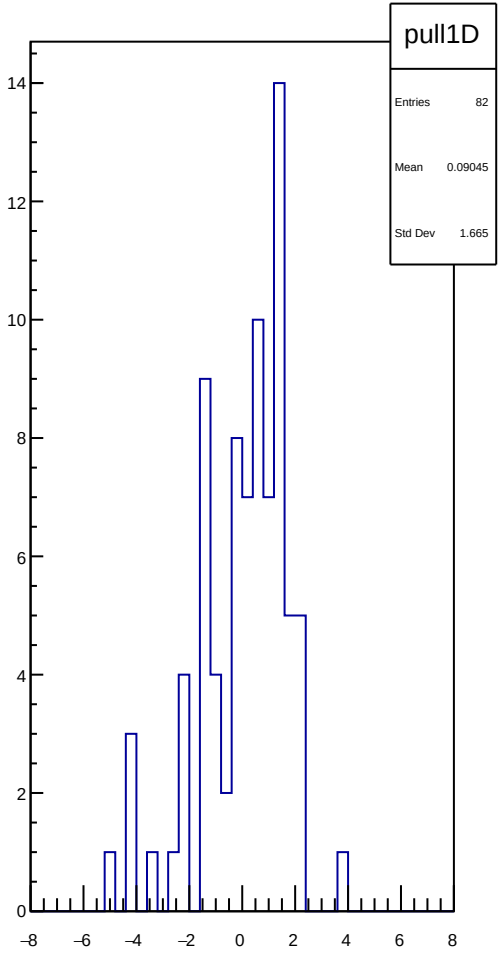

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.51 / 81
p0 −53.27 ± 0.5412
pull
Entries 82
Mean 553.8
Std Dev 502.7
pull1D
Entries 82
Mean −0.006228
Std Dev 0.4205

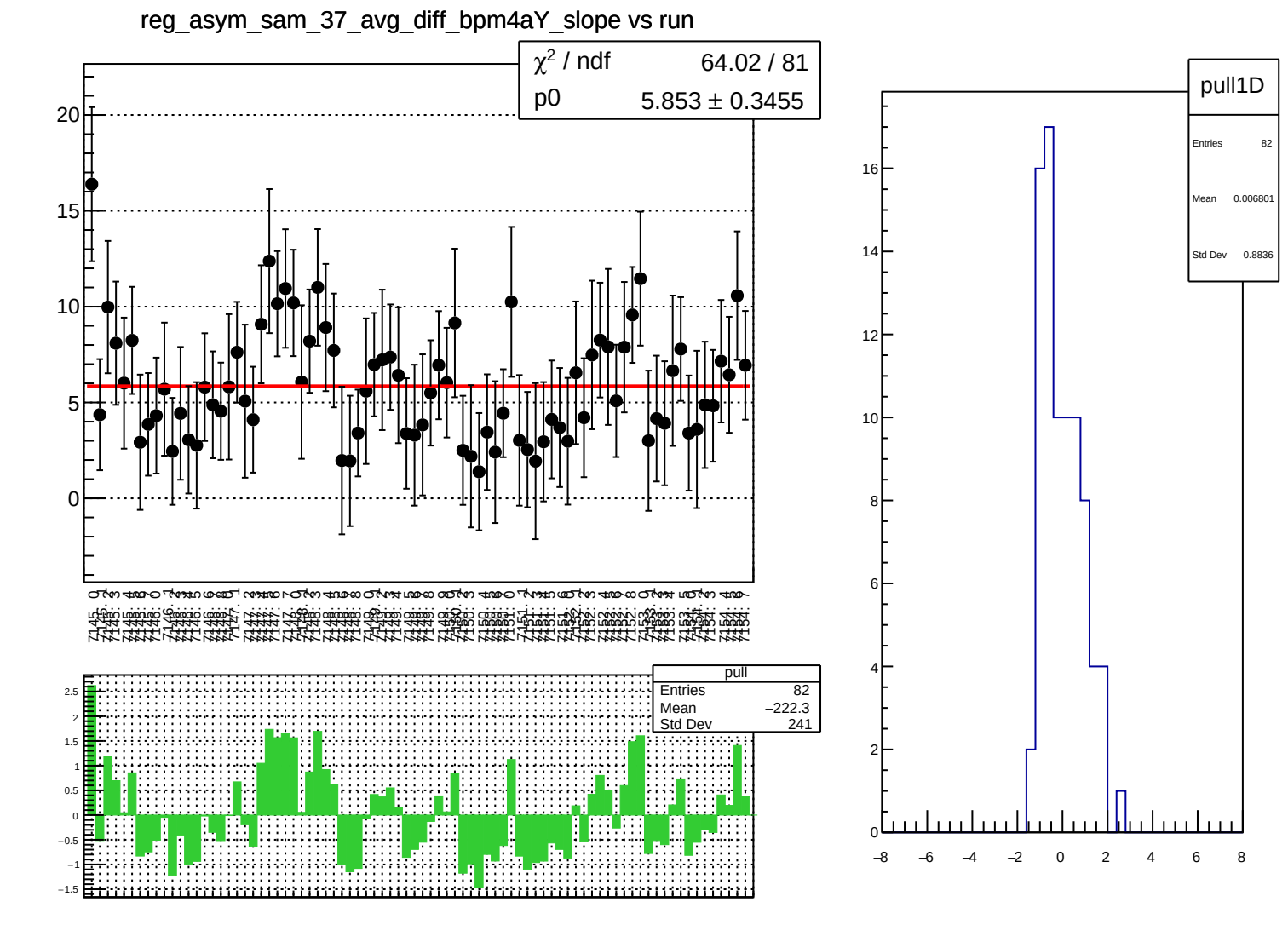

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.27 / 81
p0 −8.551 ± 0.6405
pull
Entries 82
Mean −289.6
Std Dev 336.5
pull1D
Entries 82
Mean 0.01022
Std Dev 0.555

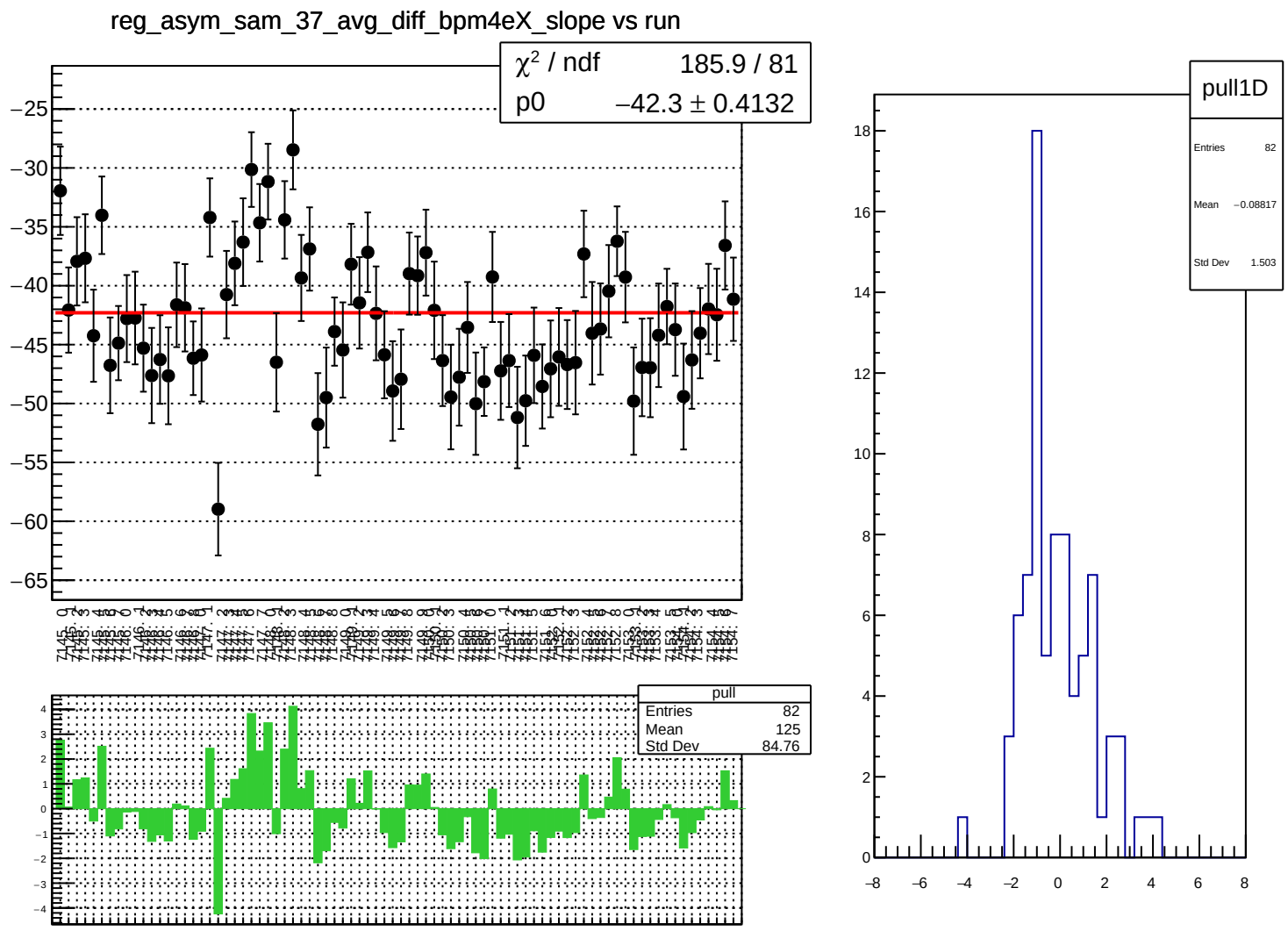

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.13 / 81
p0 −40.19 ± 0.5897
pull
Entries 82
Mean 343.5
Std Dev 295
pull1D
Entries 82
Mean 0.02349
Std Dev 0.519

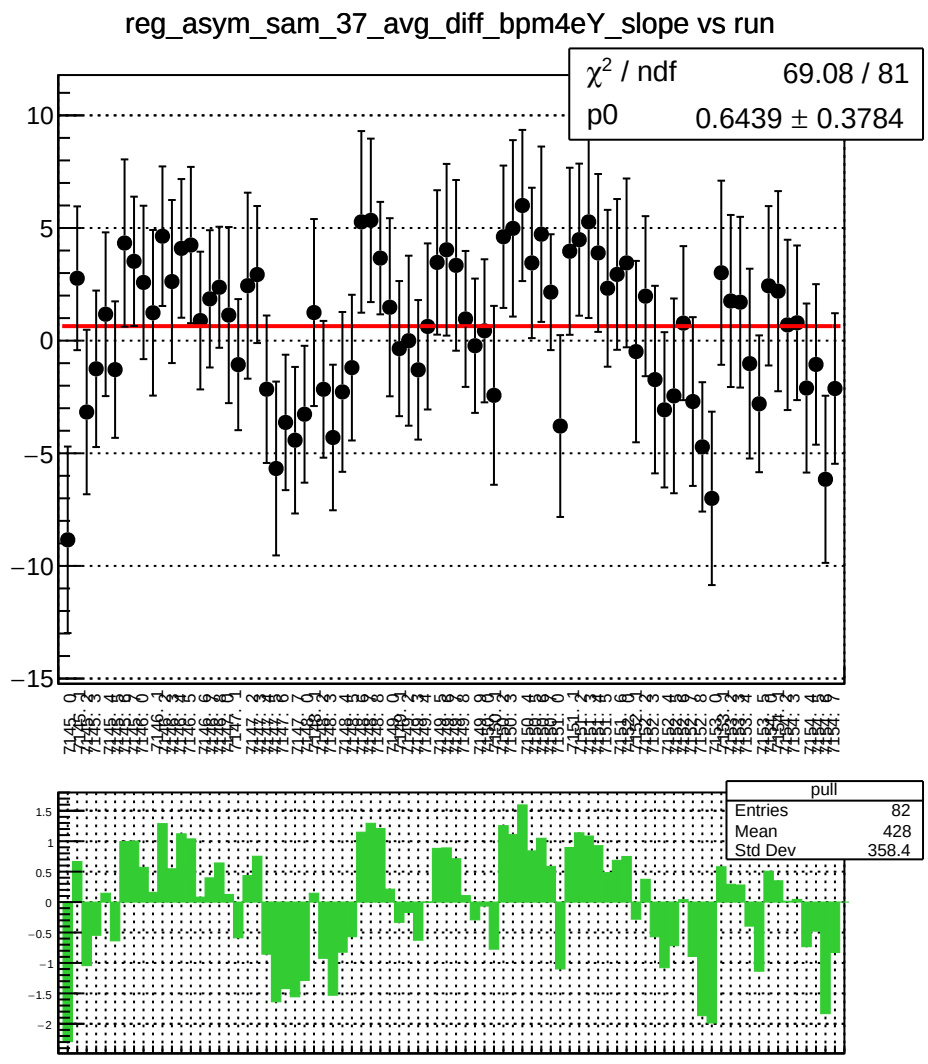

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 80.86 / 81
p0 0.3666 ± 0.02592
pull
Entries 82
Mean 342
Std Dev 298.3
pull1D
Entries 82
Mean 0.07239
Std Dev 0.9904

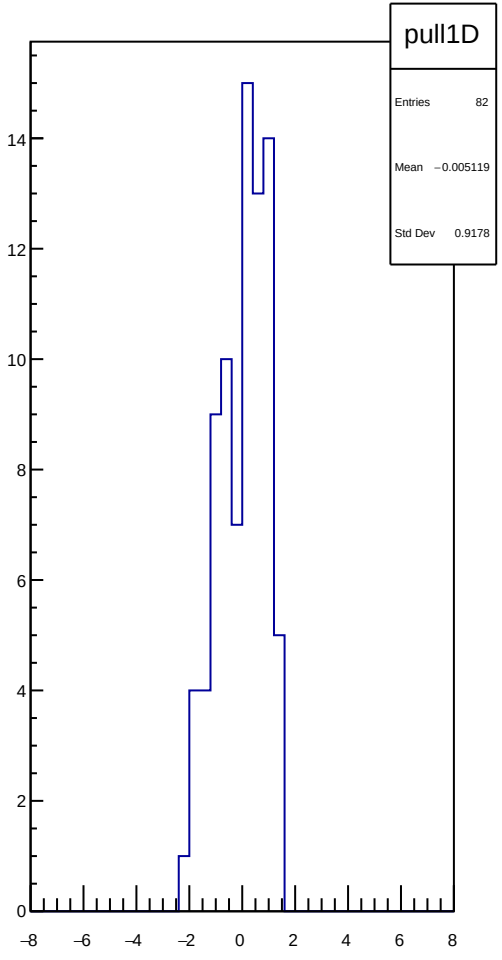

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 228.1 / 81
p0 −10.22 ± 0.4038
pull
Entries 82
Mean 147.1
Std Dev 107.3

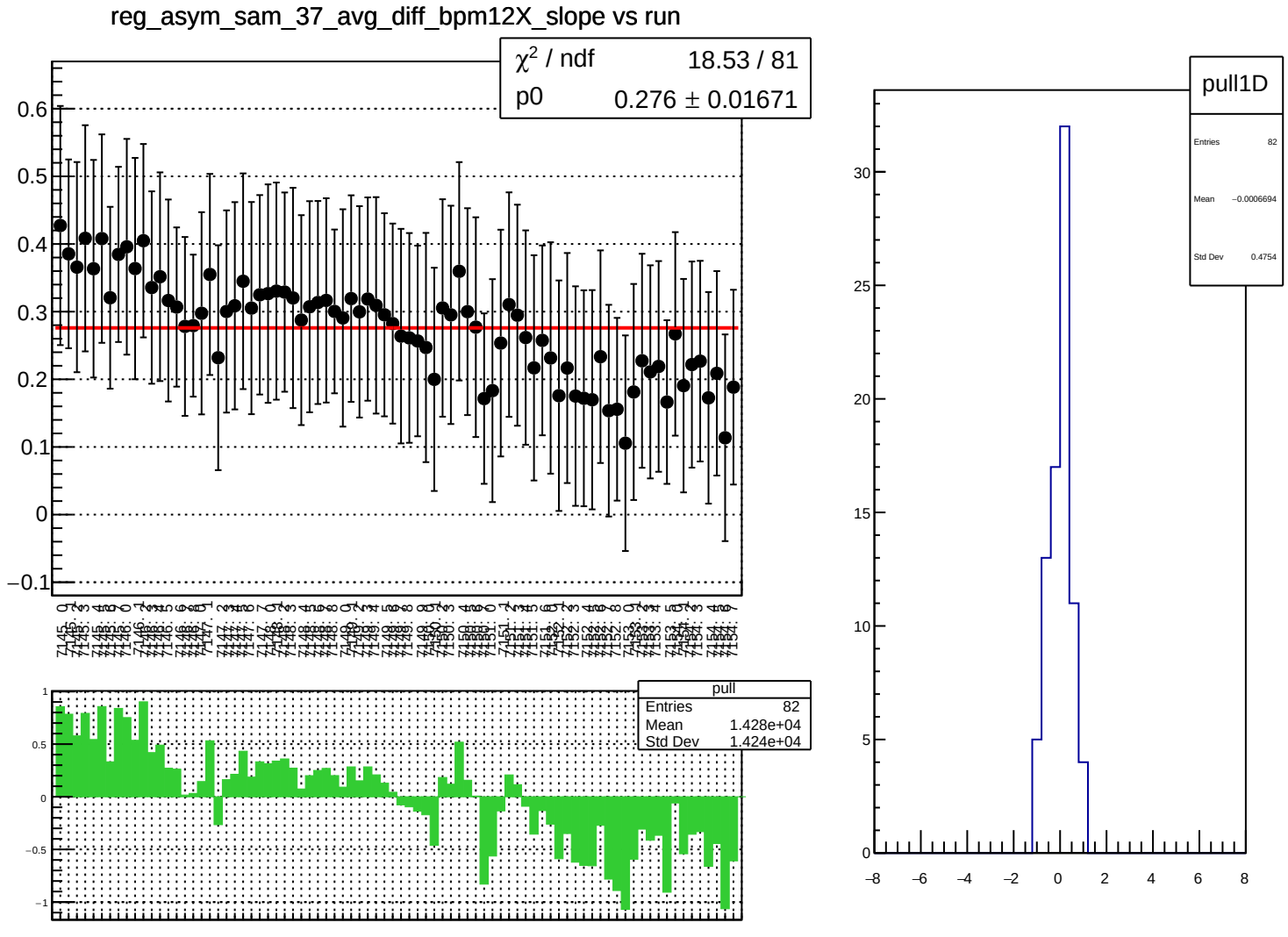

pull1D
Entries 82
Mean 0.09045
Std Dev 1.665

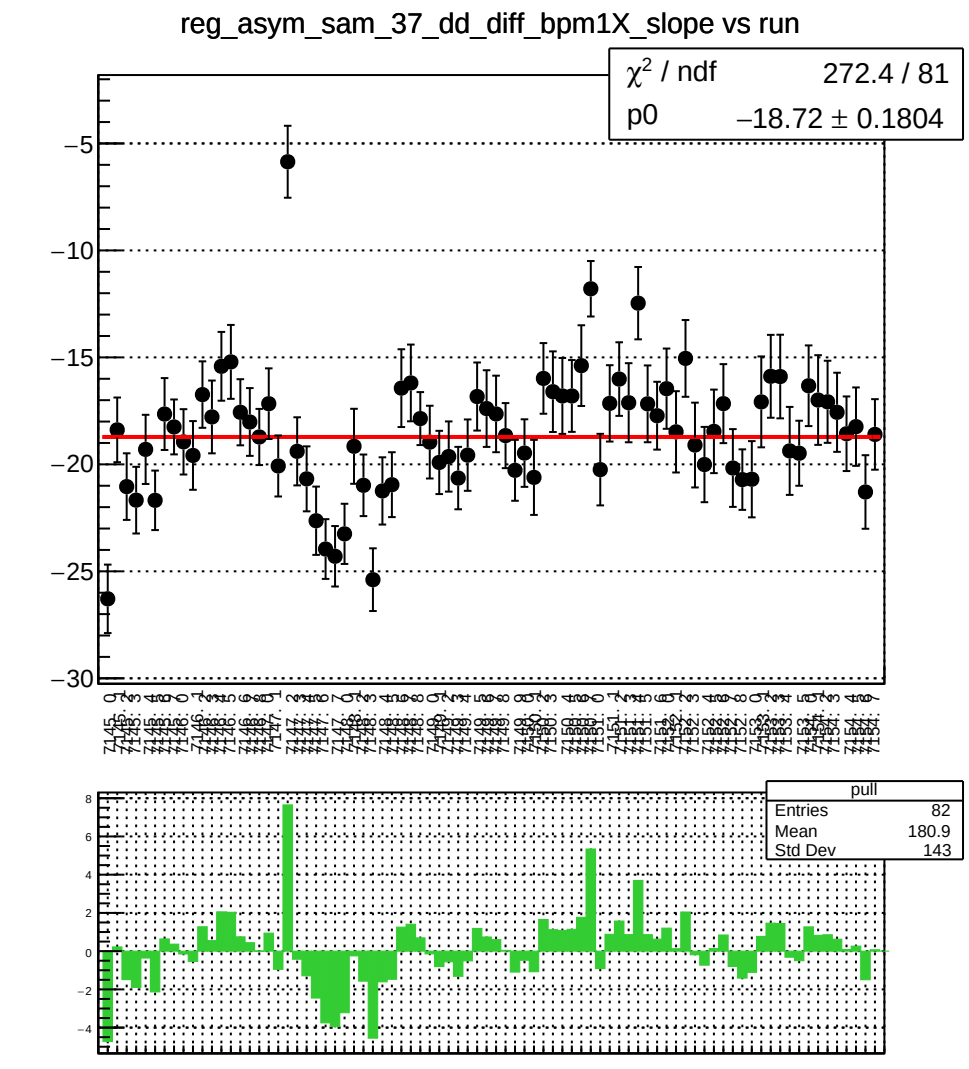

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.02 / 81
p0 5.853 ± 0.3455
pull
Entries 82
Mean −222.3
Std Dev 241
pull1D
Entries 82
Mean 0.006801
Std Dev 0.8836

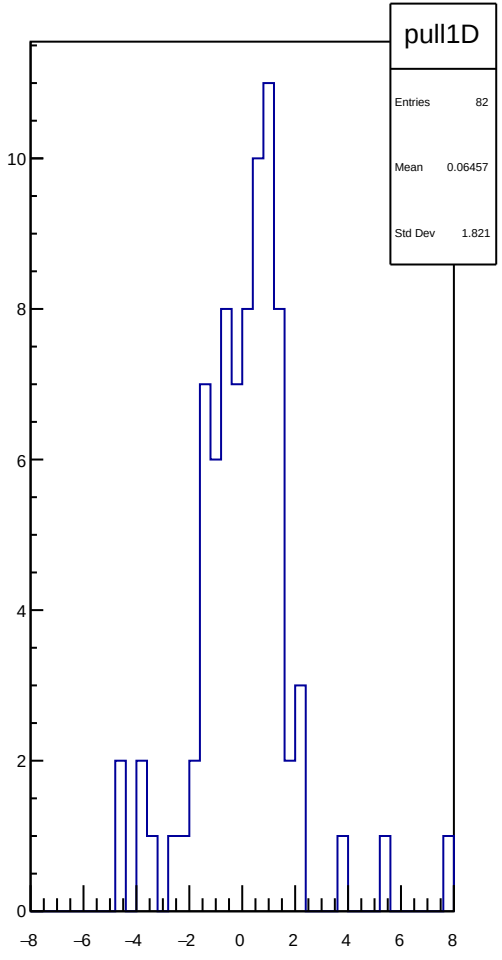

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 185.9 / 81
p0 −42.3 ± 0.4132
pull
Entries 82
Mean 125
Std Dev 84.76
pull1D
Entries 82
Mean −0.08817
Std Dev 1.503

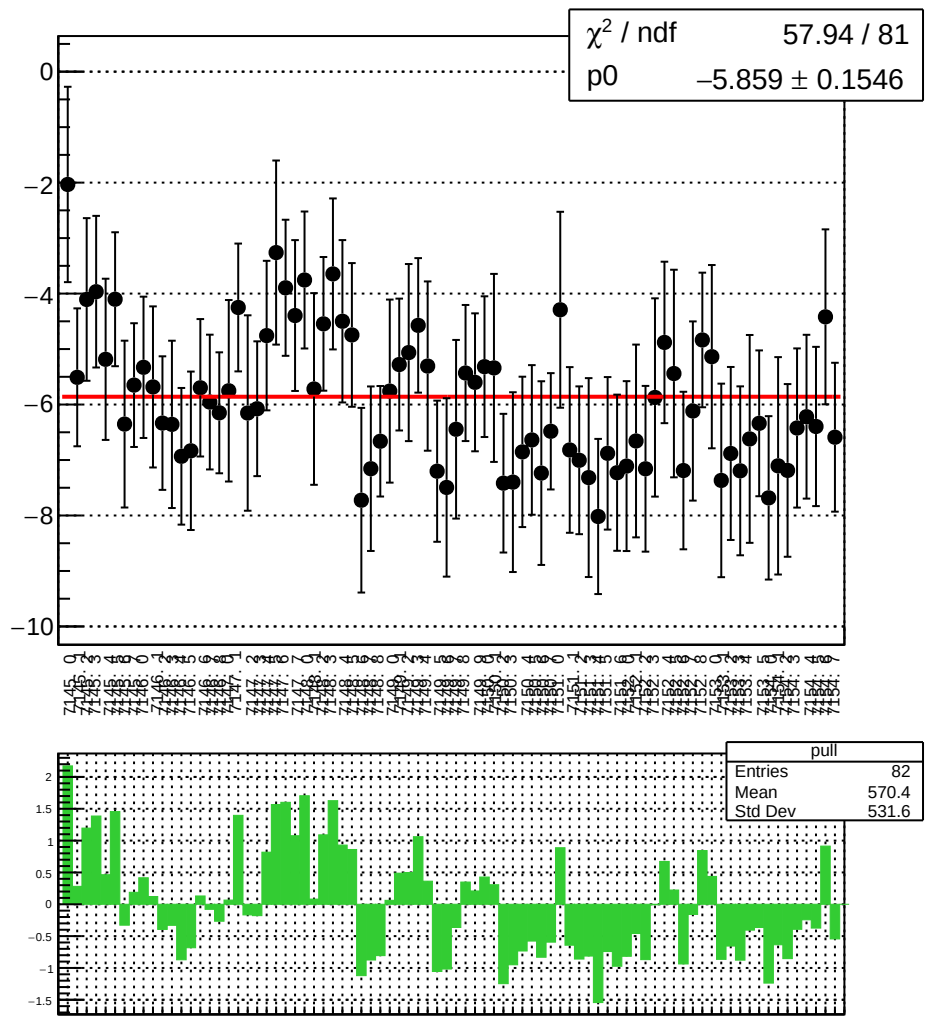

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.08 / 81
p0 0.6439 ± 0.3784
pull
Entries 82
Mean 428
Std Dev 358.4

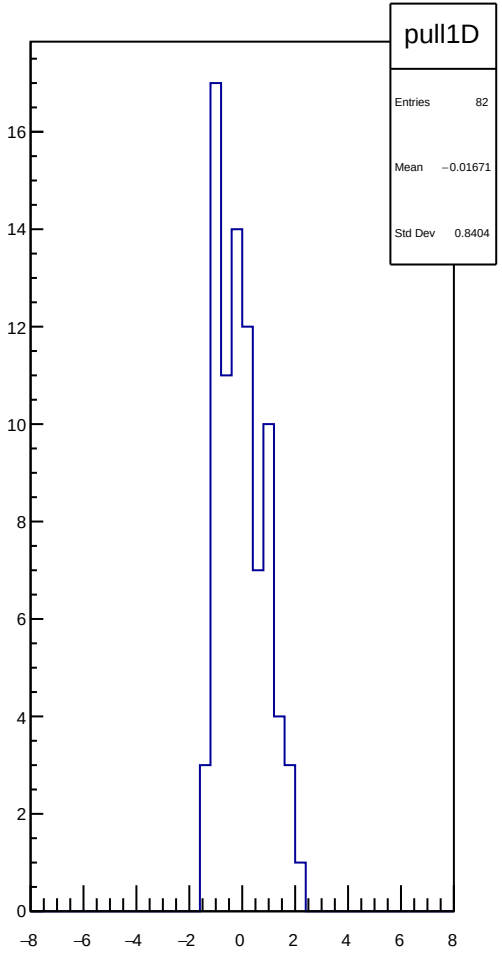

pull1D
Entries 82
Mean −0.005119
Std Dev 0.9178

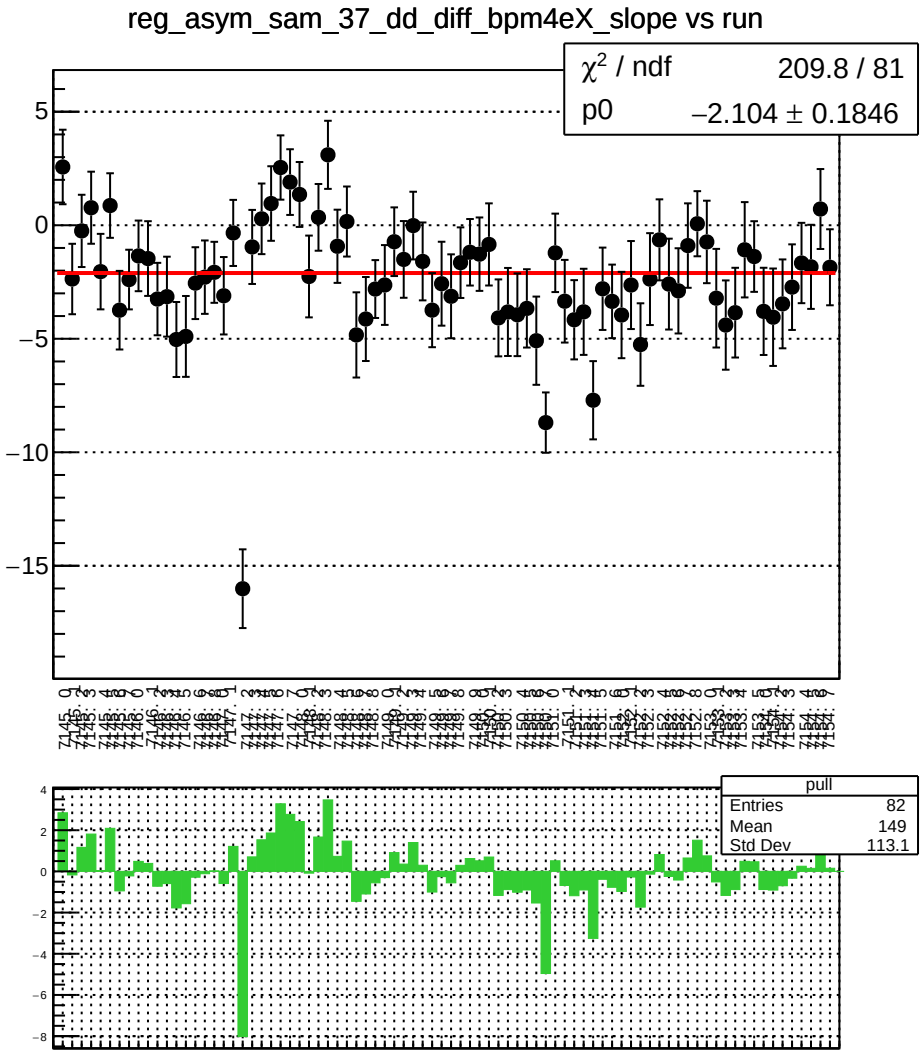

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 18.53 / 81
p0 0.276 ± 0.01671
pull
Entries 82
Mean 1.428e+04
Std Dev 1.424e+04
pull1D
Entries 82
Mean −0.0006694
Std Dev 0.4754

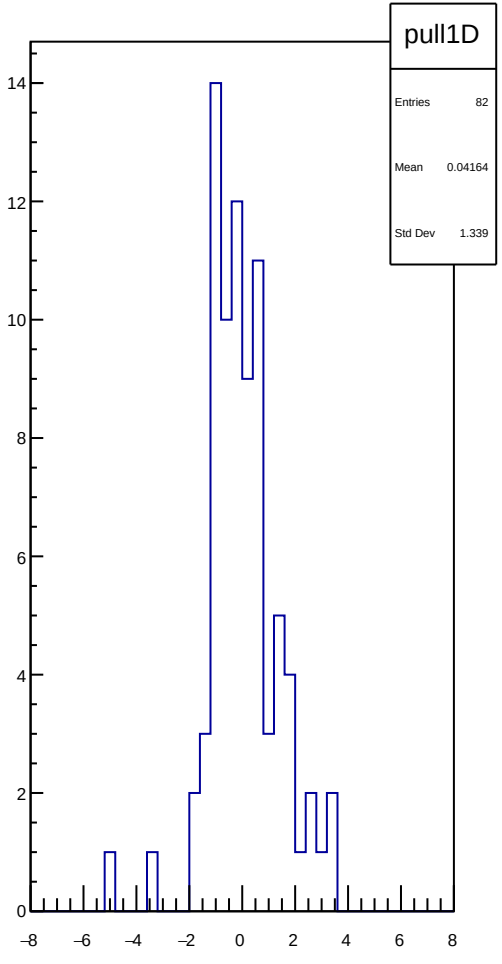

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 272.4 / 81
p0 −18.72 ± 0.1804
pull
Entries 82
Mean 180.9
Std Dev 143

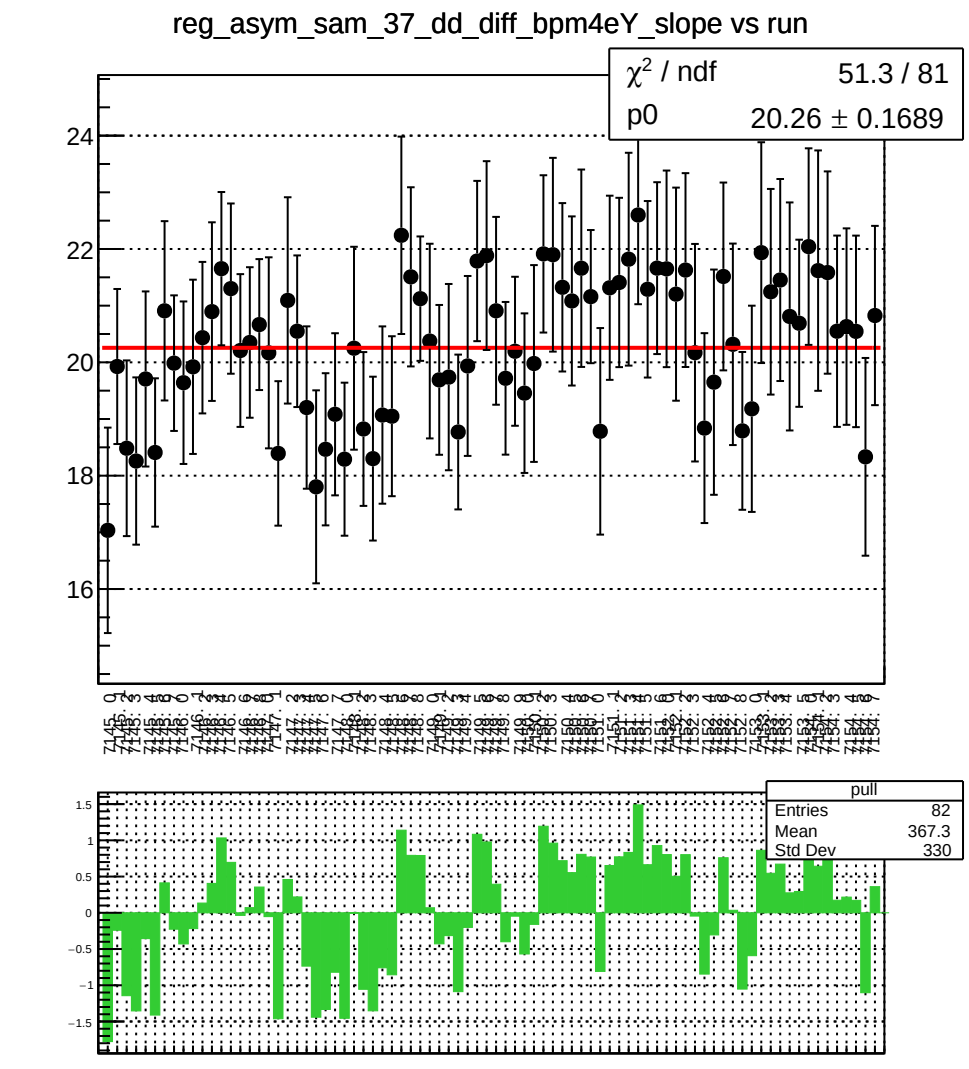

pull1D
Entries 82
Mean 0.06457
Std Dev 1.821

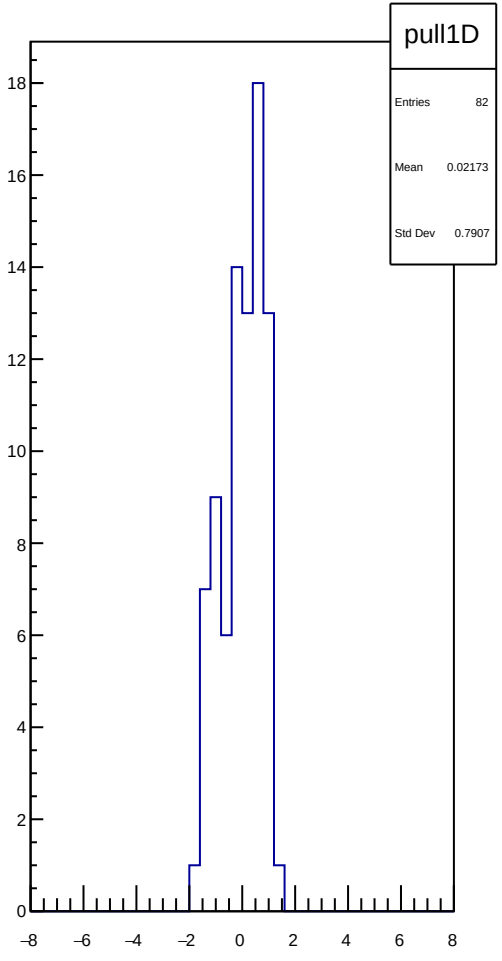

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.94 / 81
p0 −5.859 ± 0.1546
pull
Entries 82
Mean 570.4
Std Dev 531.6

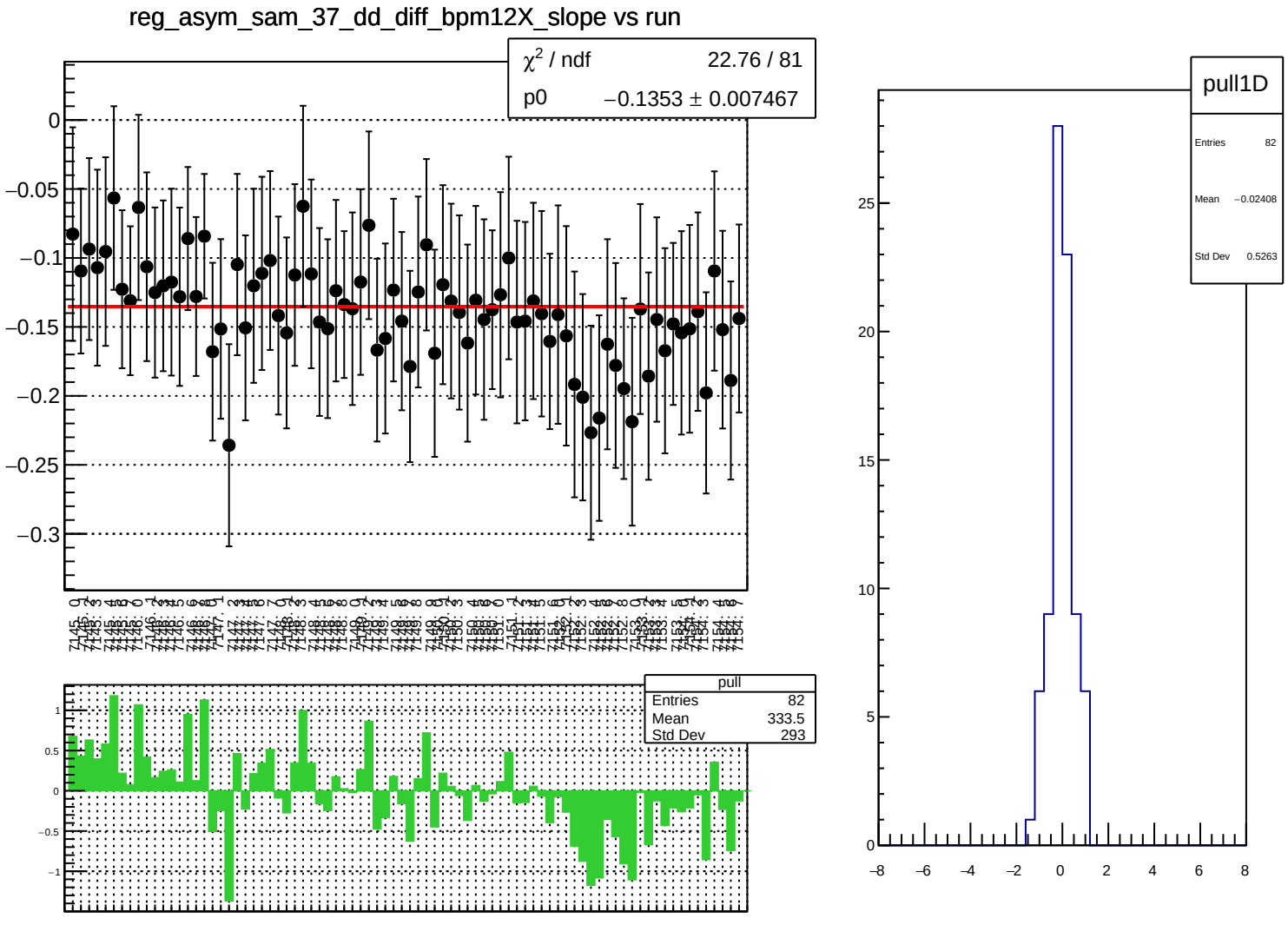

pull1D
Entries 82
Mean −0.01671
Std Dev 0.8404

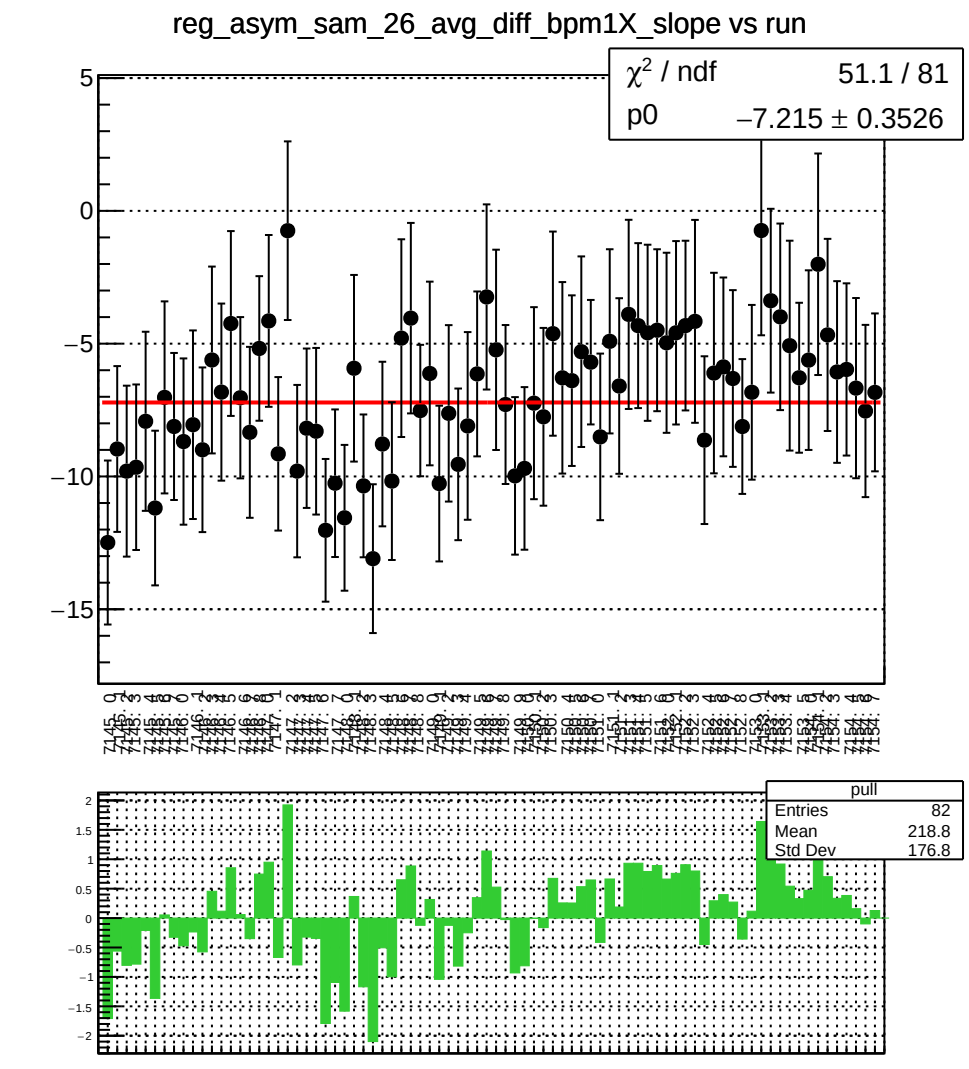

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 209.8 / 81
p0 −2.104 ± 0.1846
pull
Entries 82
Mean 149
Std Dev 113.1

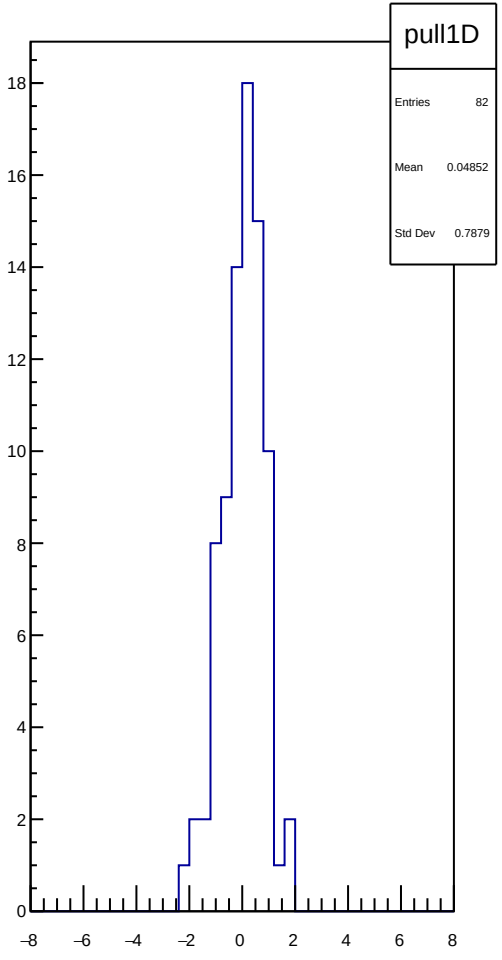

pull1D
Entries 82
Mean 0.04164
Std Dev 1.339

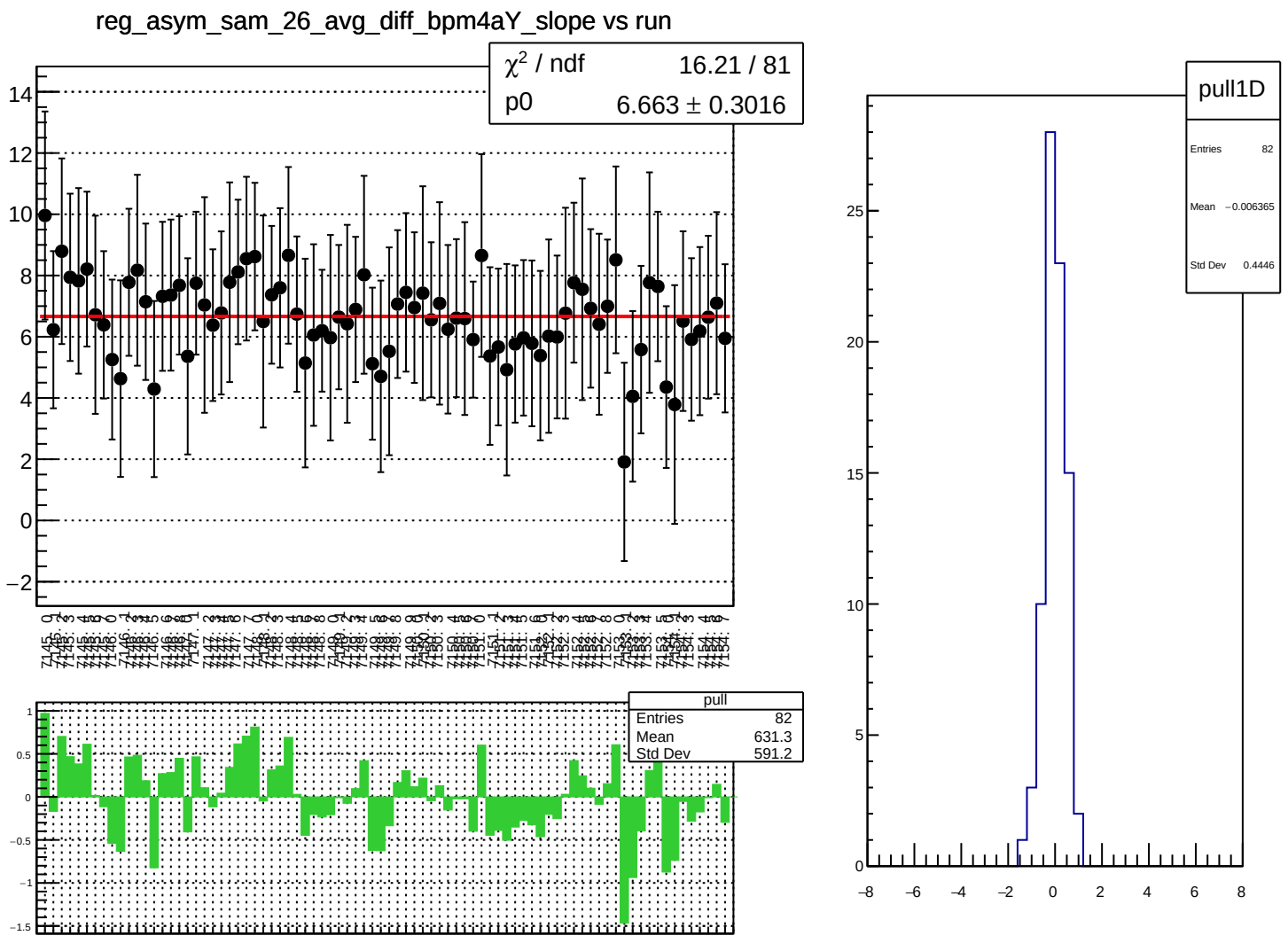

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.3 / 81
p0 20.26 ± 0.1689
pull
Entries 82
Mean 367.3
Std Dev 330

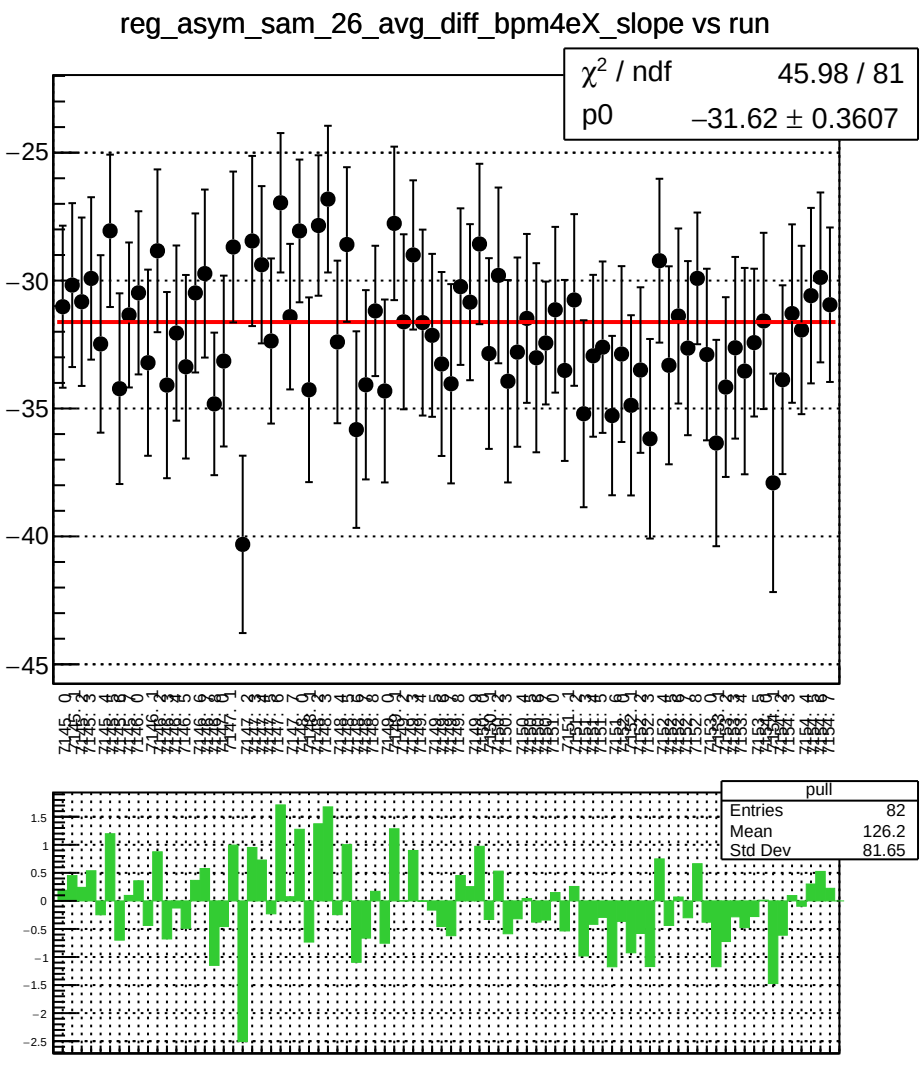

pull1D
Entries 82
Mean 0.02173
Std Dev 0.7907

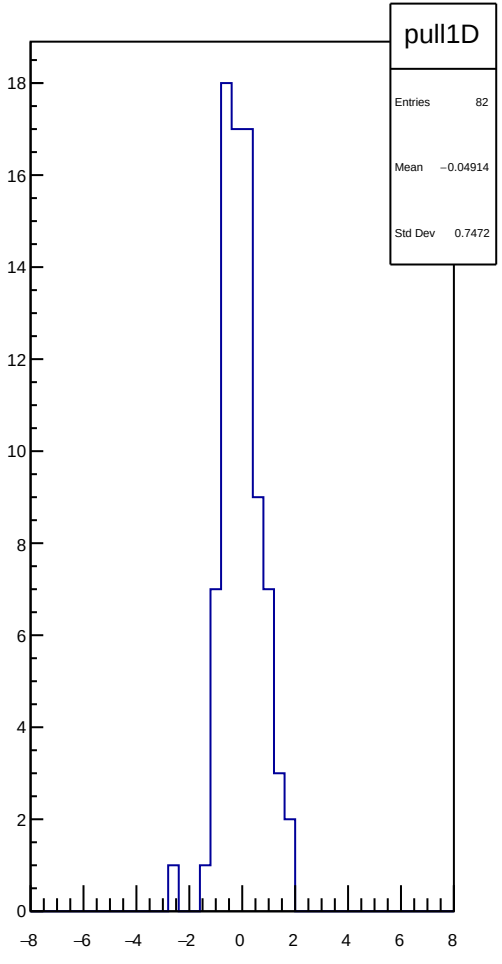

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 22.76 / 81
p0 −0.1353 ± 0.007467
pull
Entries 82
Mean 333.5
Std Dev 293
pull1D
Entries 82
Mean −0.02408
Std Dev 0.5263

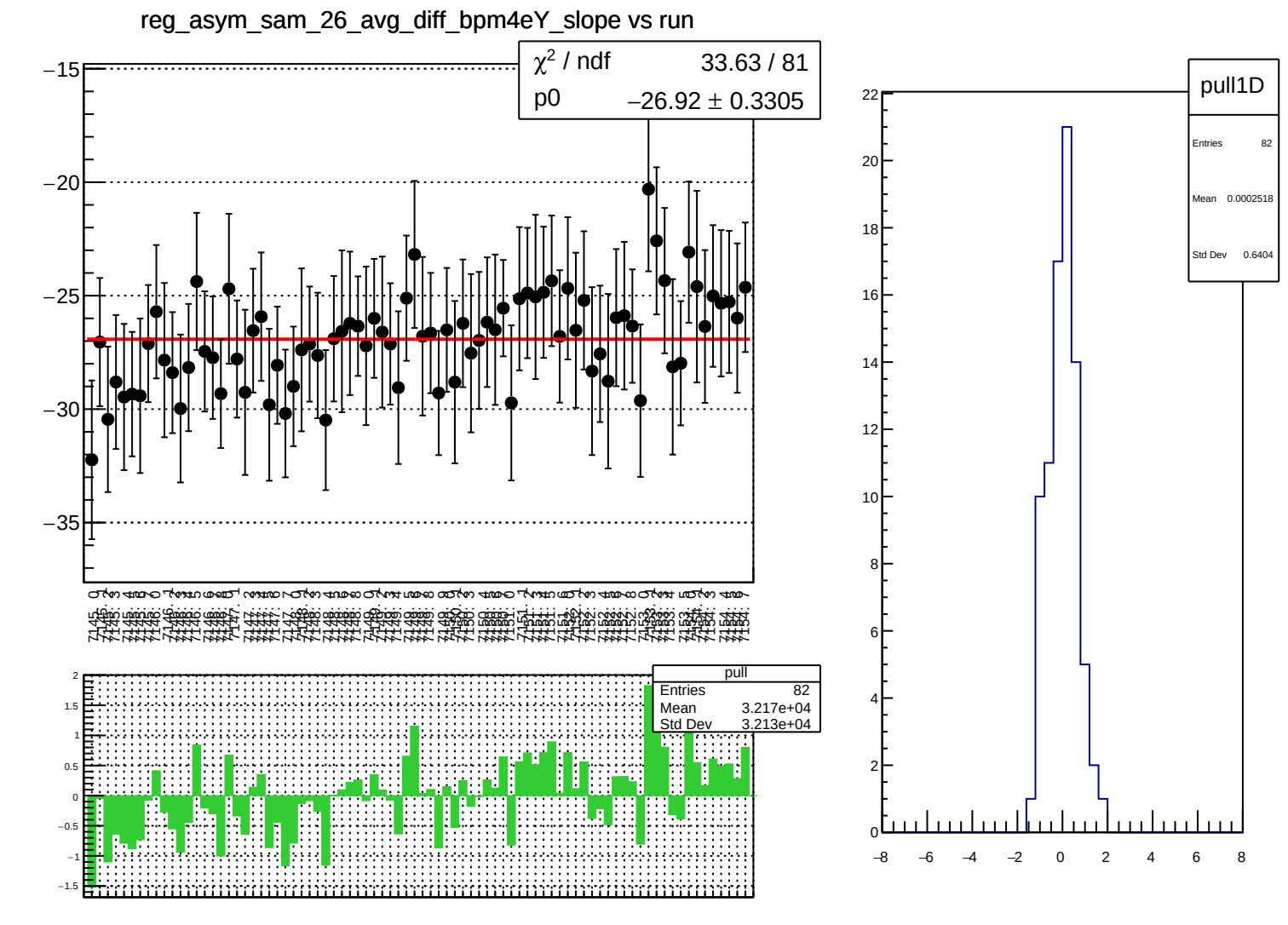

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 51.1 / 81
p0 −7.215 ± 0.3526
pull
Entries 82
Mean 218.8
Std Dev 176.8

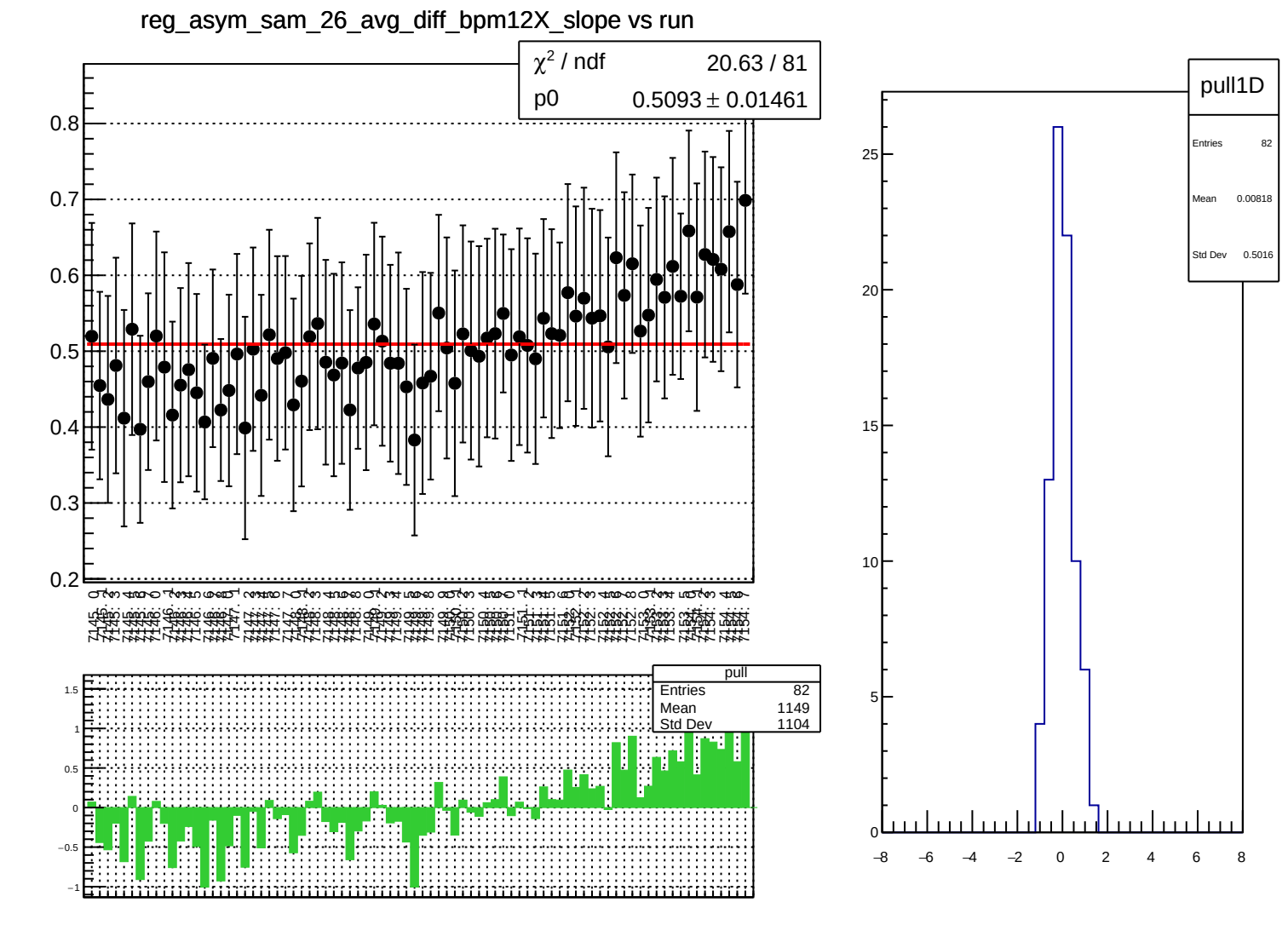

pull1D
Entries 82
Mean 0.04852
Std Dev 0.7879

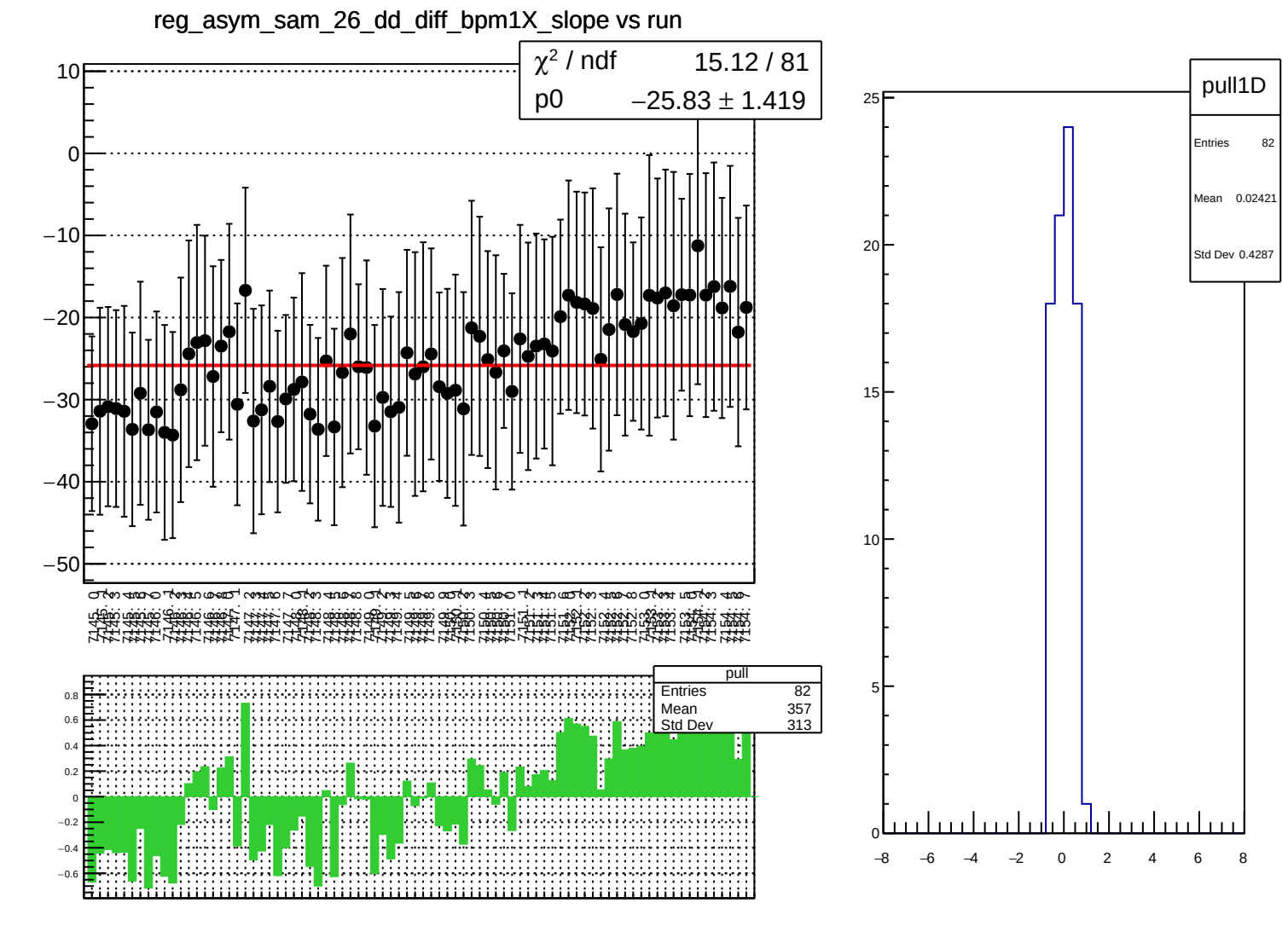

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.21 / 81
p0 6.663 ± 0.3016
pull
Entries 82
Mean 631.3
Std Dev 591.2
pull1D
Entries 82
Mean −0.006365
Std Dev 0.4446

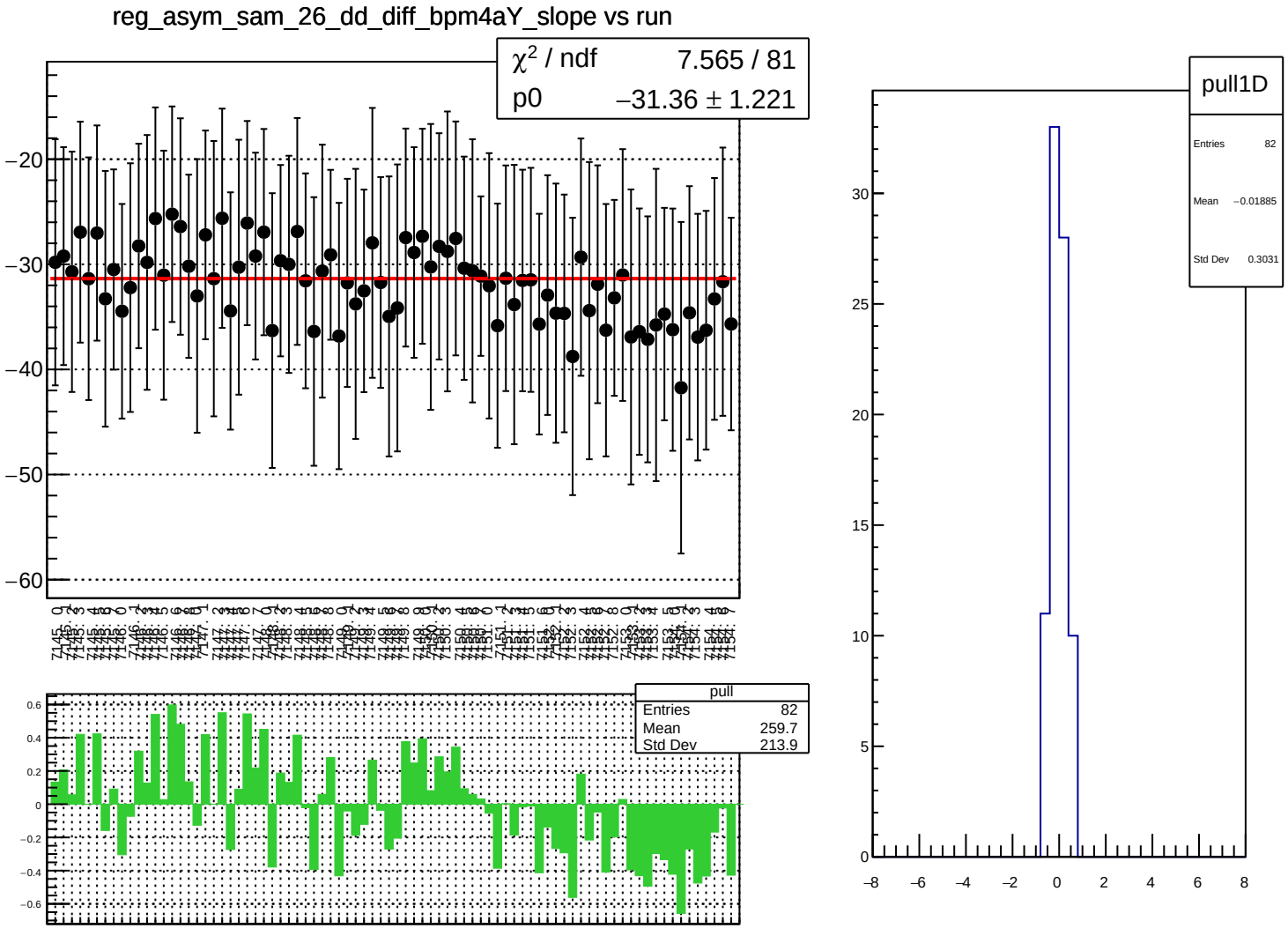

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.98 / 81
p0 −31.62 ± 0.3607
pull
Entries 82
Mean 126.2
Std Dev 81.65

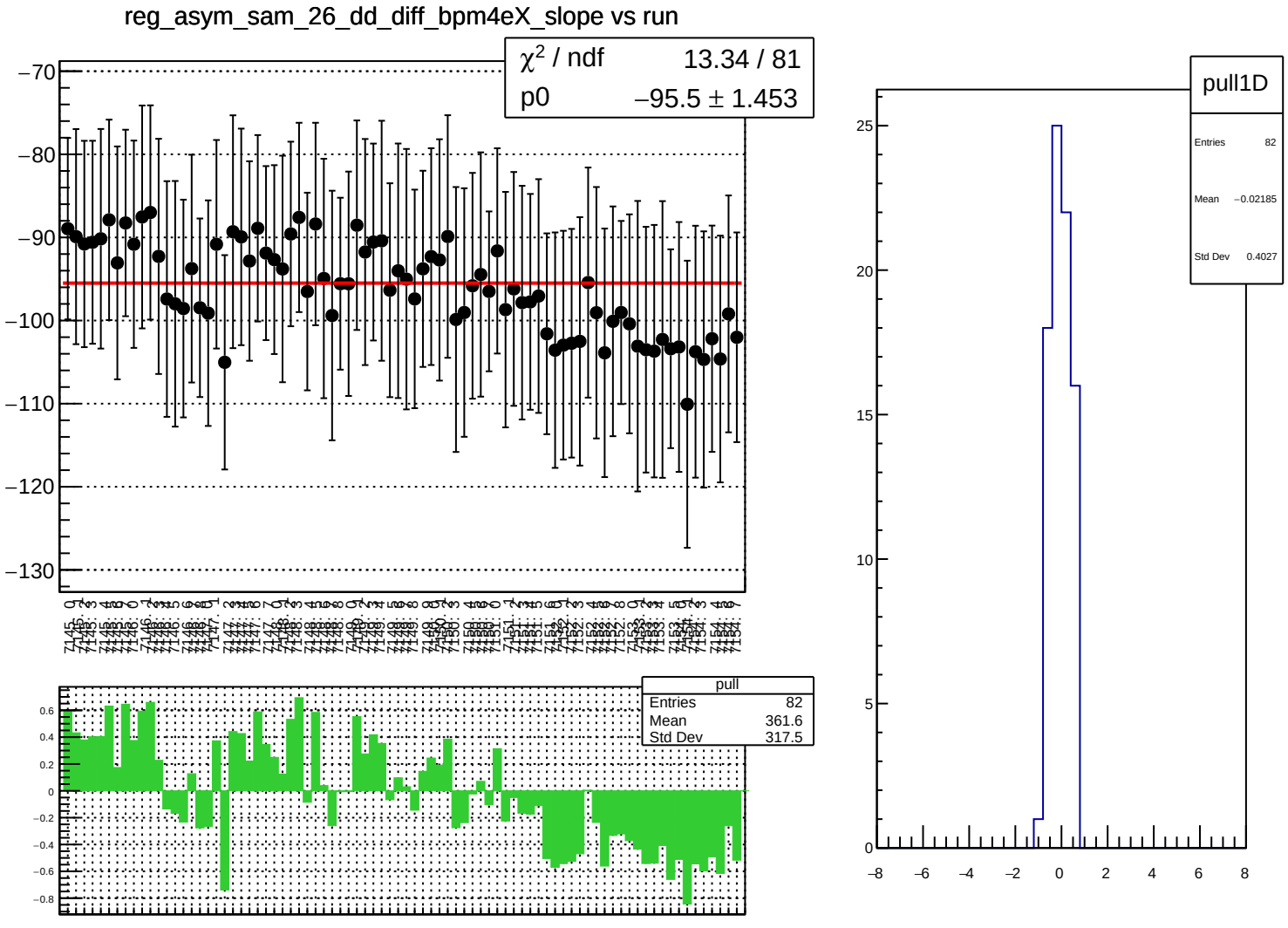

pull1D
Entries 82
Mean −0.04914
Std Dev 0.7472

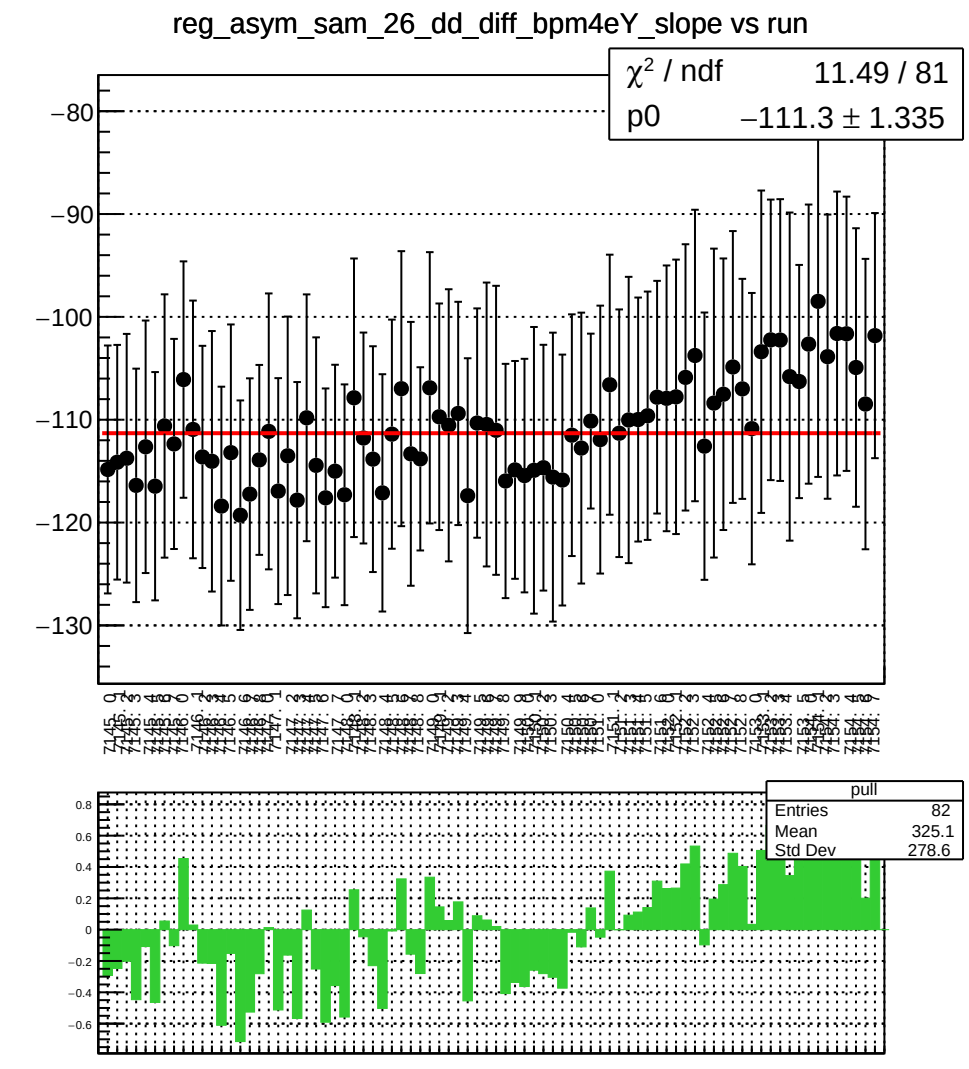

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.63 / 81
p0 −26.92 ± 0.3305
pull
Entries 82
Mean 3.217e+04
Std Dev 3.213e+04
pull1D
Entries 82
Mean 0.0002518
Std Dev 0.6404

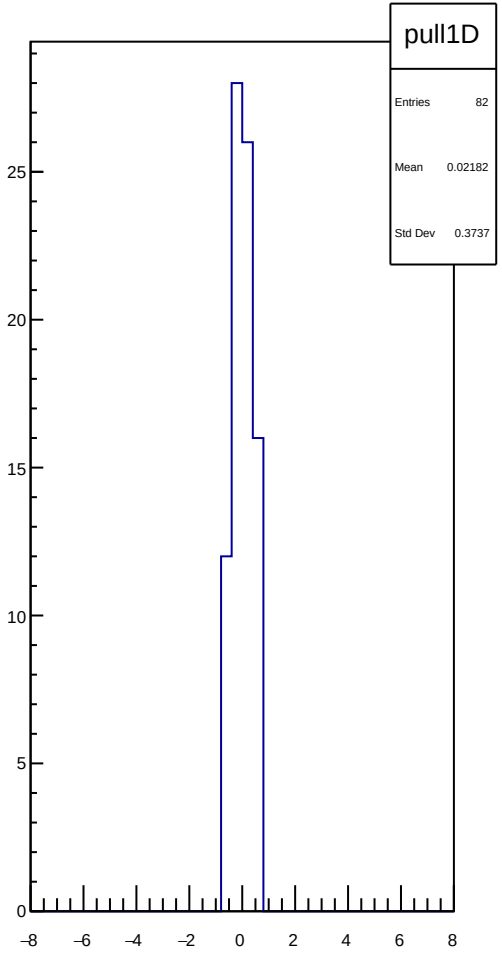

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.63 / 81
p0 0.5093 ± 0.01461
pull
Entries 82
Mean 1149
Std Dev 1104
pull1D
Entries 82
Mean 0.00818
Std Dev 0.5016

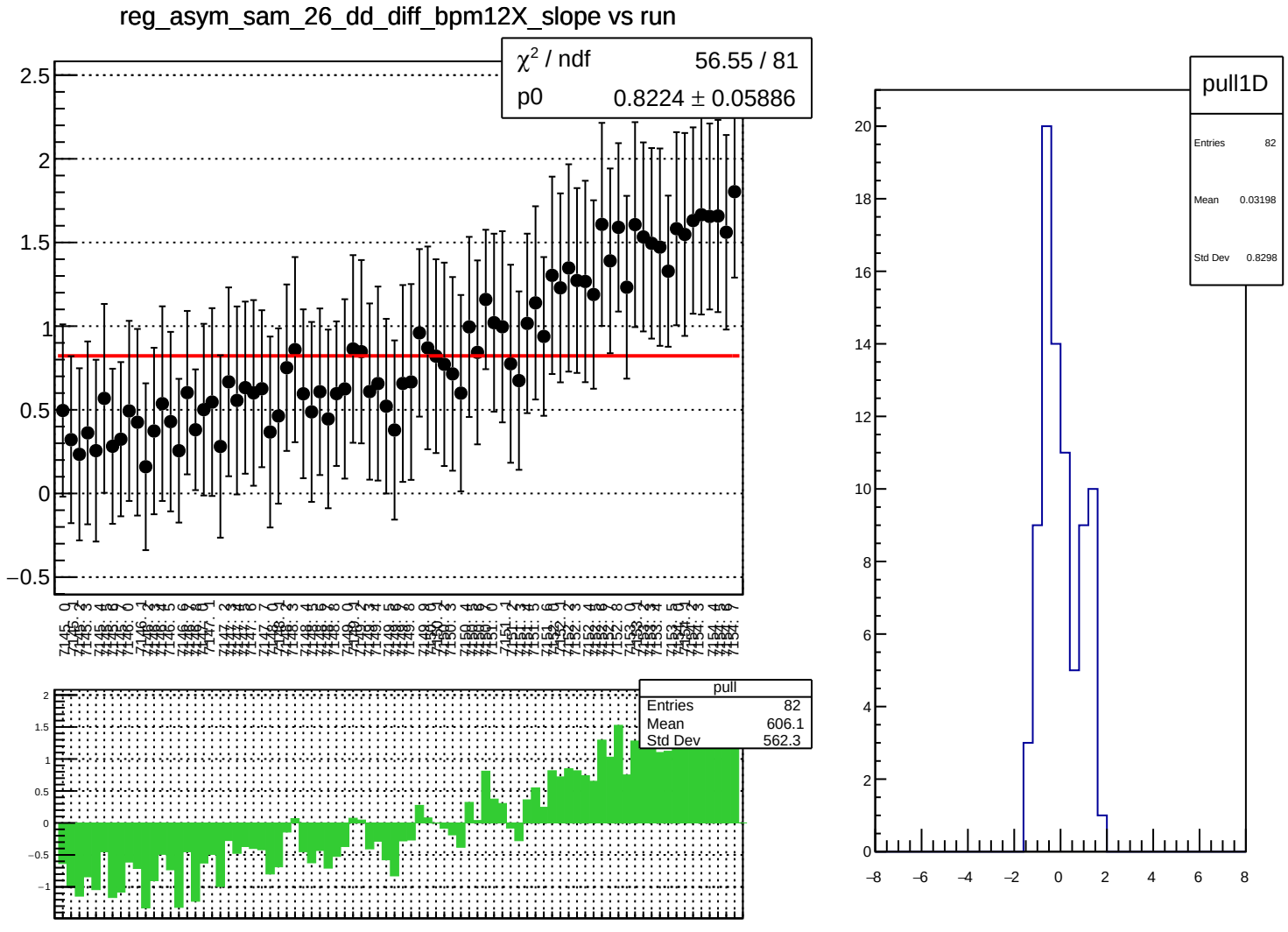

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 15.12 / 81
p0 −25.83 ± 1.419
pull
Entries 82
Mean 357
Std Dev 313
pull1D
Entries 82
Mean 0.02421
Std Dev 0.4287

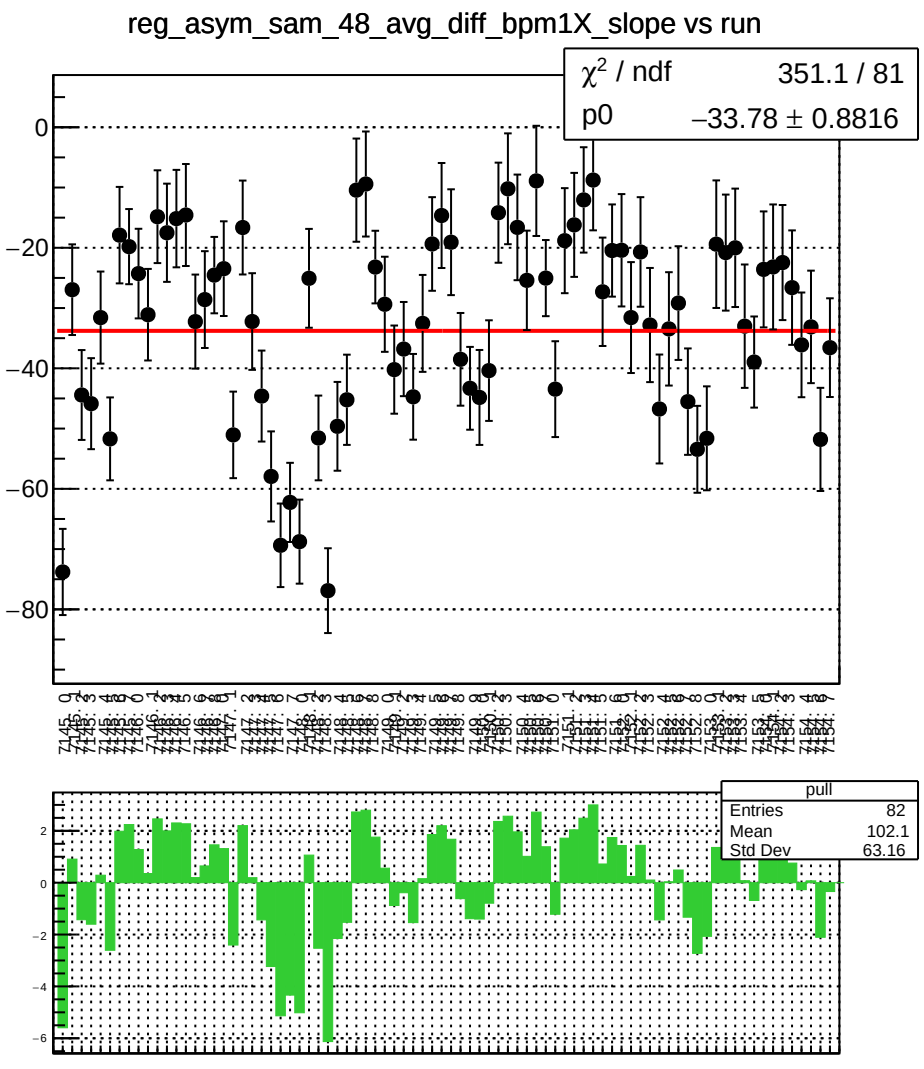

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.565 / 81
p0 −31.36 ± 1.221
pull
Entries 82
Mean 259.7
Std Dev 213.9
pull1D
Entries 82
Mean −0.01885
Std Dev 0.3031

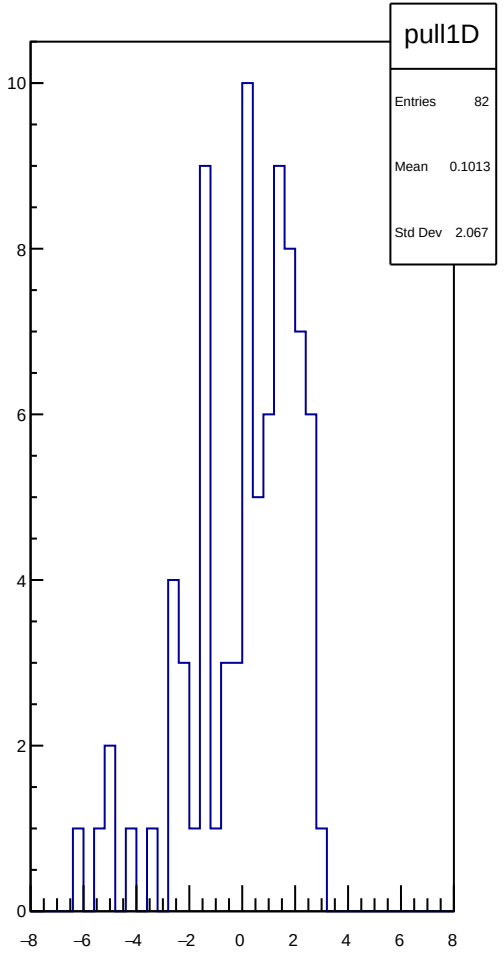

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.34 / 81
p0 −95.5 ± 1.453
pull
Entries 82
Mean 361.6
Std Dev 317.5
pull1D
Entries 82
Mean −0.02185
Std Dev 0.4027

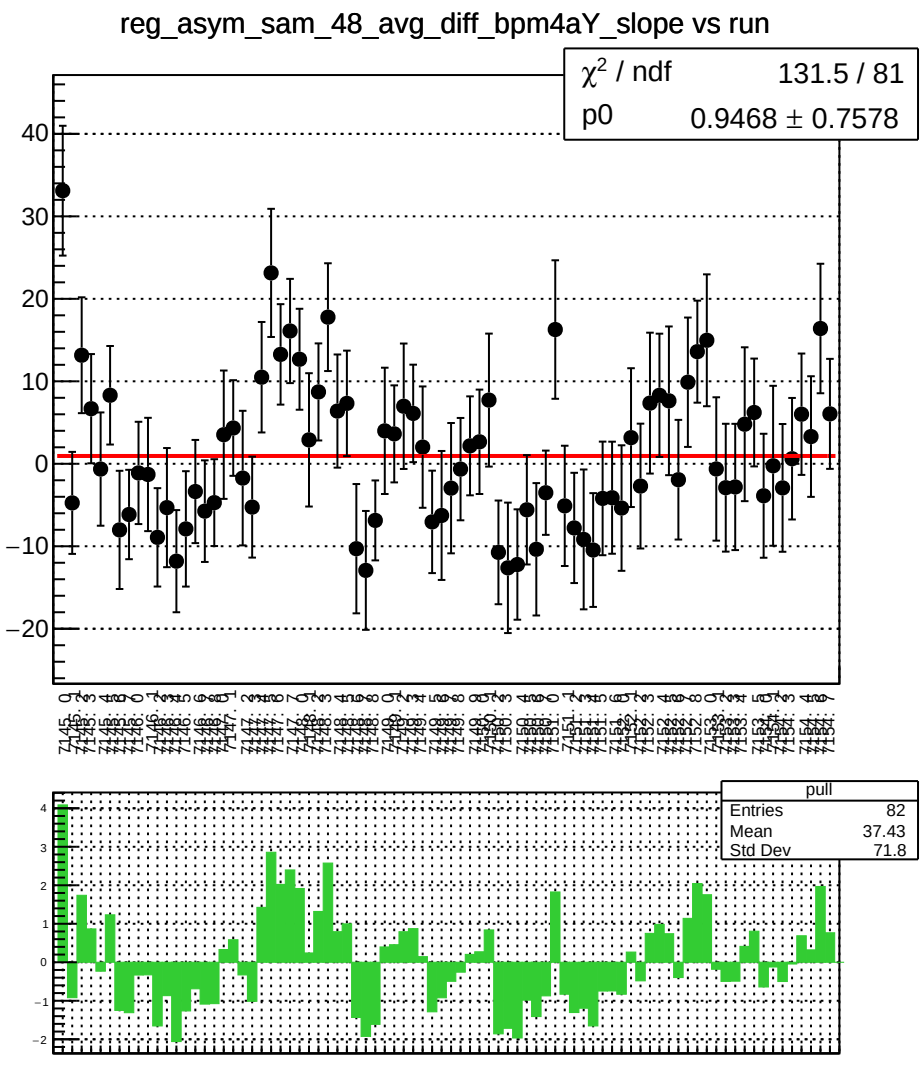

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.49 / 81
p0 −111.3 ± 1.335
pull
Entries 82
Mean 325.1
Std Dev 278.6

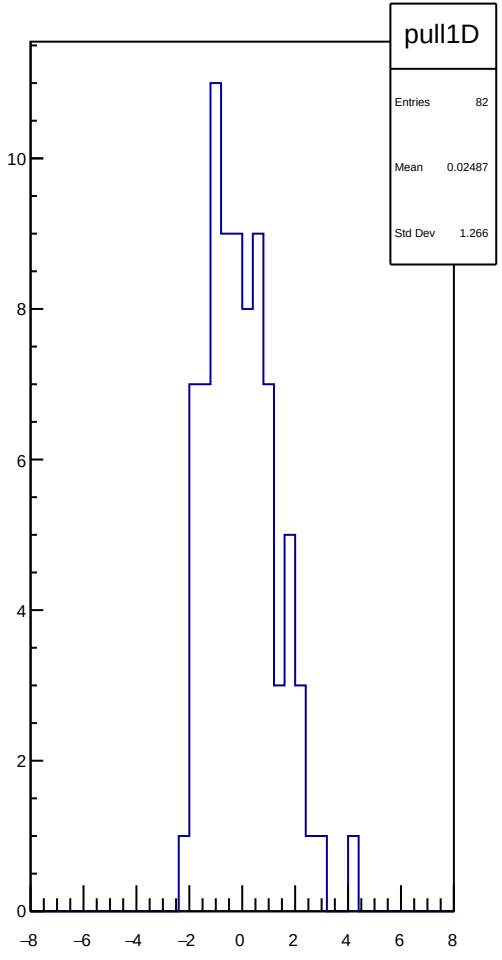

pull1D
Entries 82
Mean 0.02182
Std Dev 0.3737

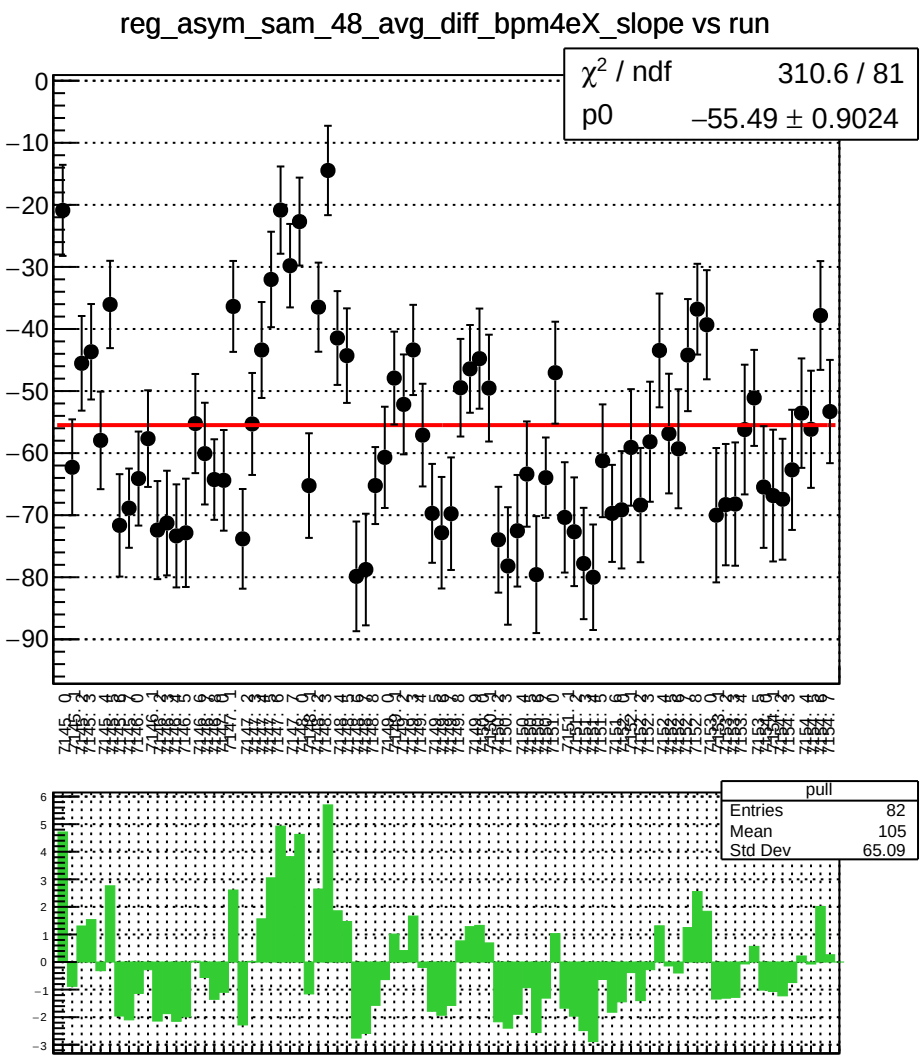

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 56.55 / 81
p0 0.8224 ± 0.05886
pull
Entries 82
Mean 606.1
Std Dev 562.3
pull1D
Entries 82
Mean 0.03198
Std Dev 0.8298

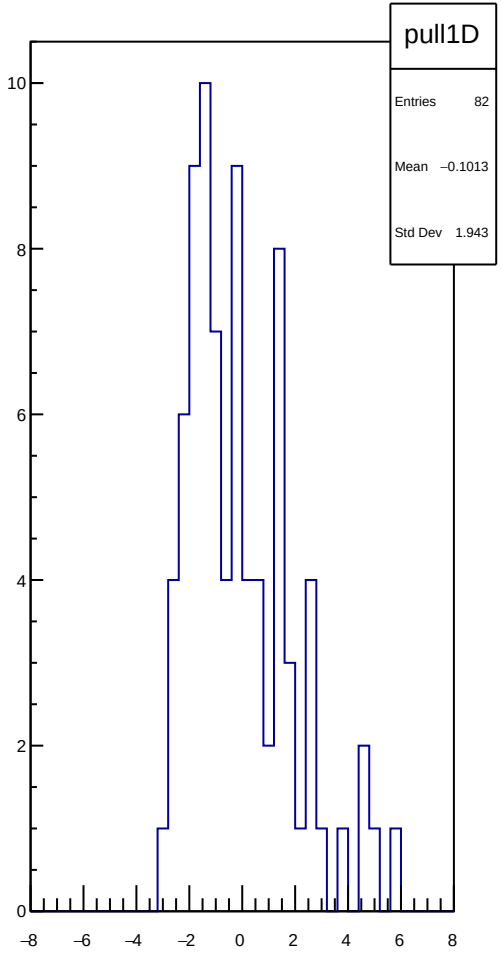

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 351.1 / 81
p0 −33.78 ± 0.8816
0
−20
−40
−60
−80
pull
Entries 82
Mean 102.1
Std Dev 63.16
2
0
−2
−4
−6

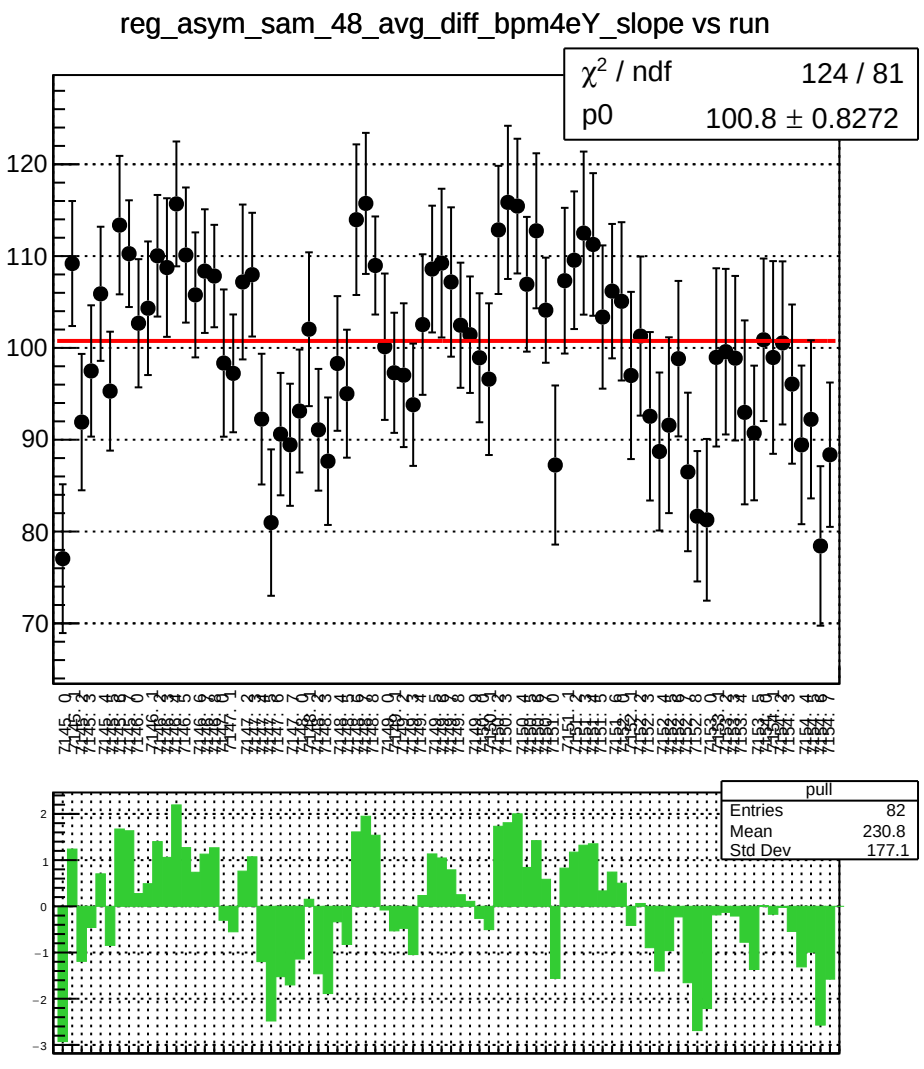

pull1D
Entries 82
Mean 0.1013
Std Dev 2.067
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

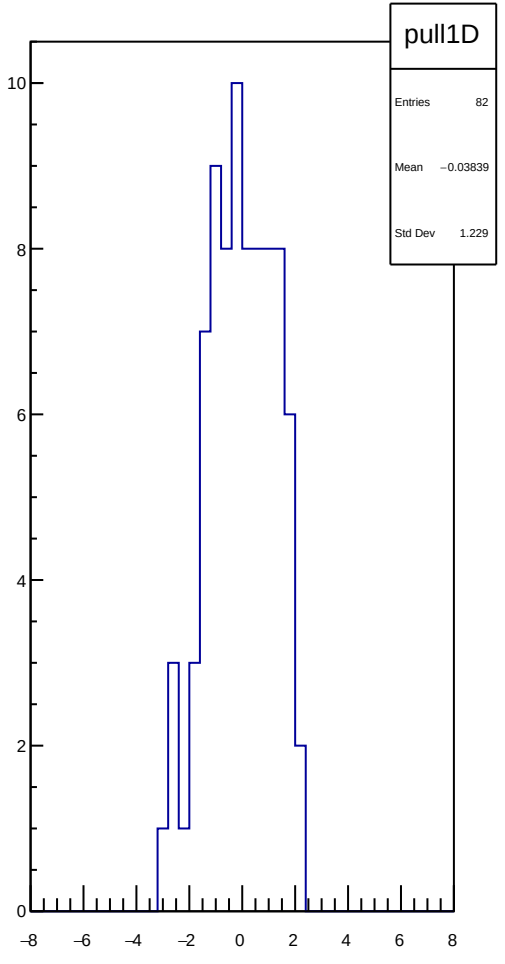

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 131.5 / 81
p0 0.9468 ± 0.7578
pull
Entries 82
Mean 37.43
Std Dev 71.8

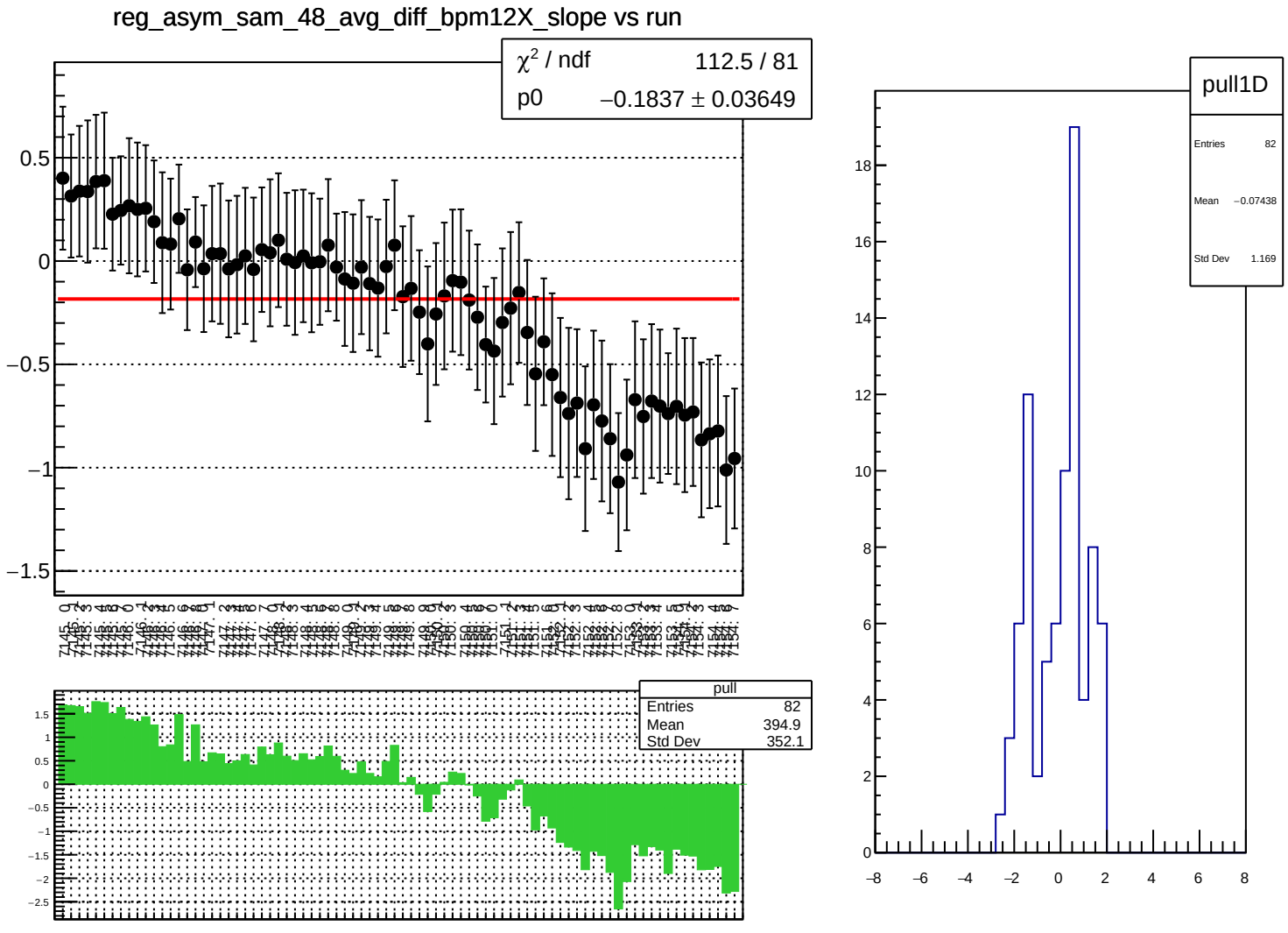

pull1D
Entries 82
Mean 0.02487
Std Dev 1.266

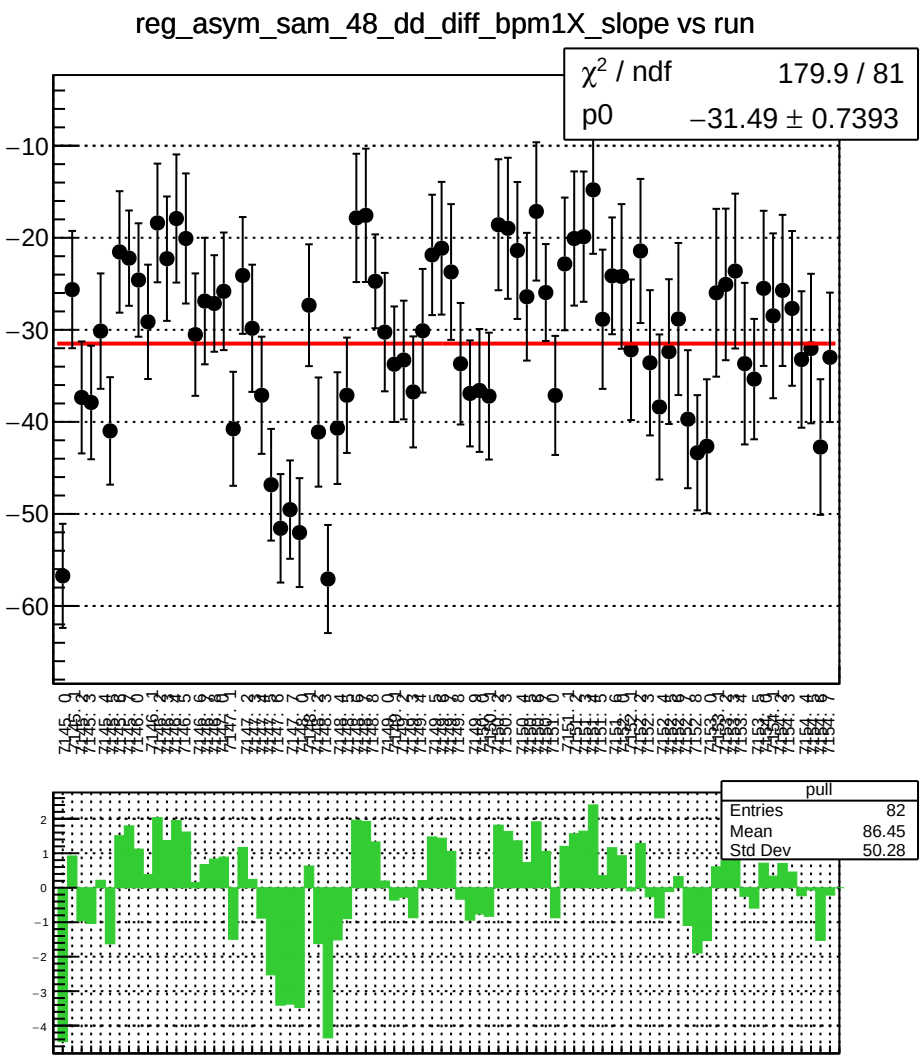

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 310.6 / 81
p0 −55.49 ± 0.9024
pull
Entries 82
Mean 105
Std Dev 65.09

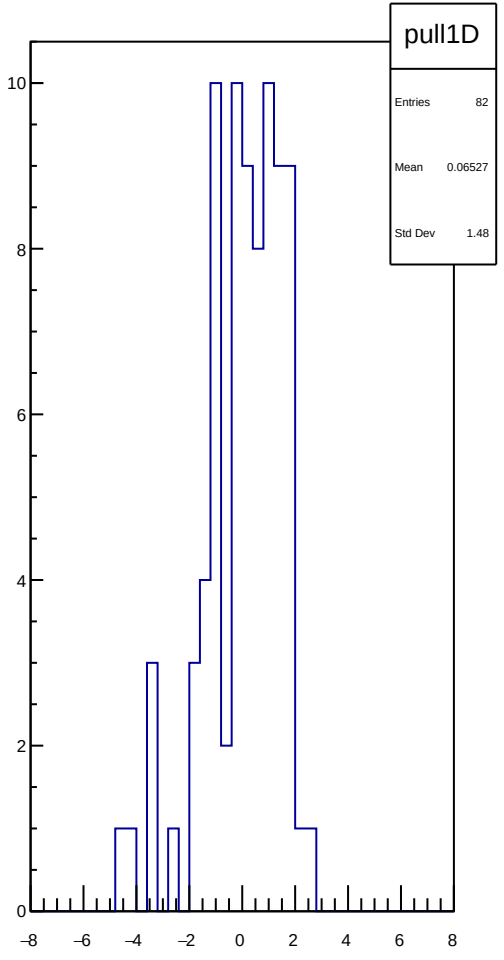

pull1D
Entries 82
Mean −0.1013
Std Dev 1.943

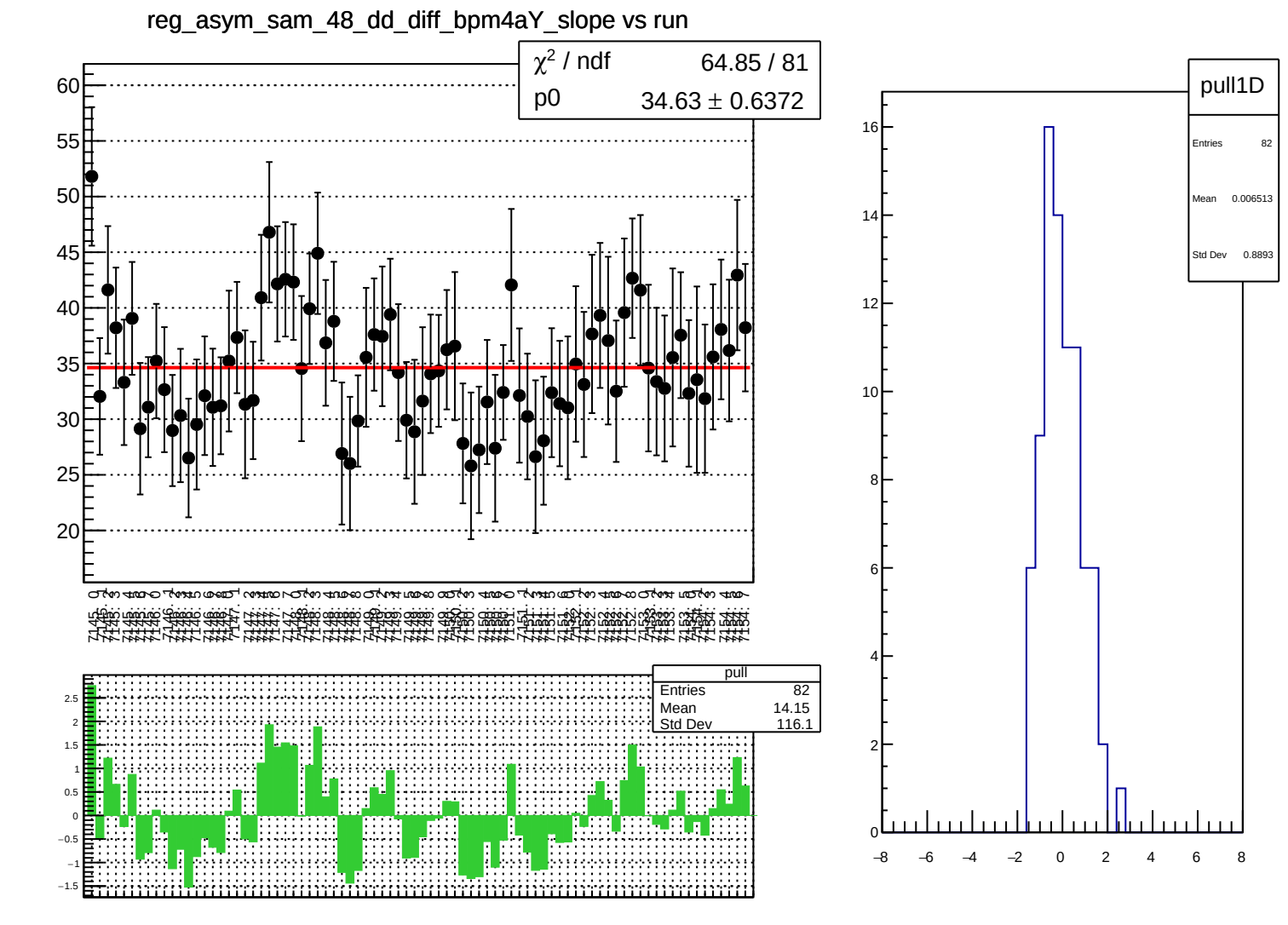

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 124 / 81
p0 100.8 ± 0.8272
pull
Entries 82
Mean 230.8
Std Dev 177.1

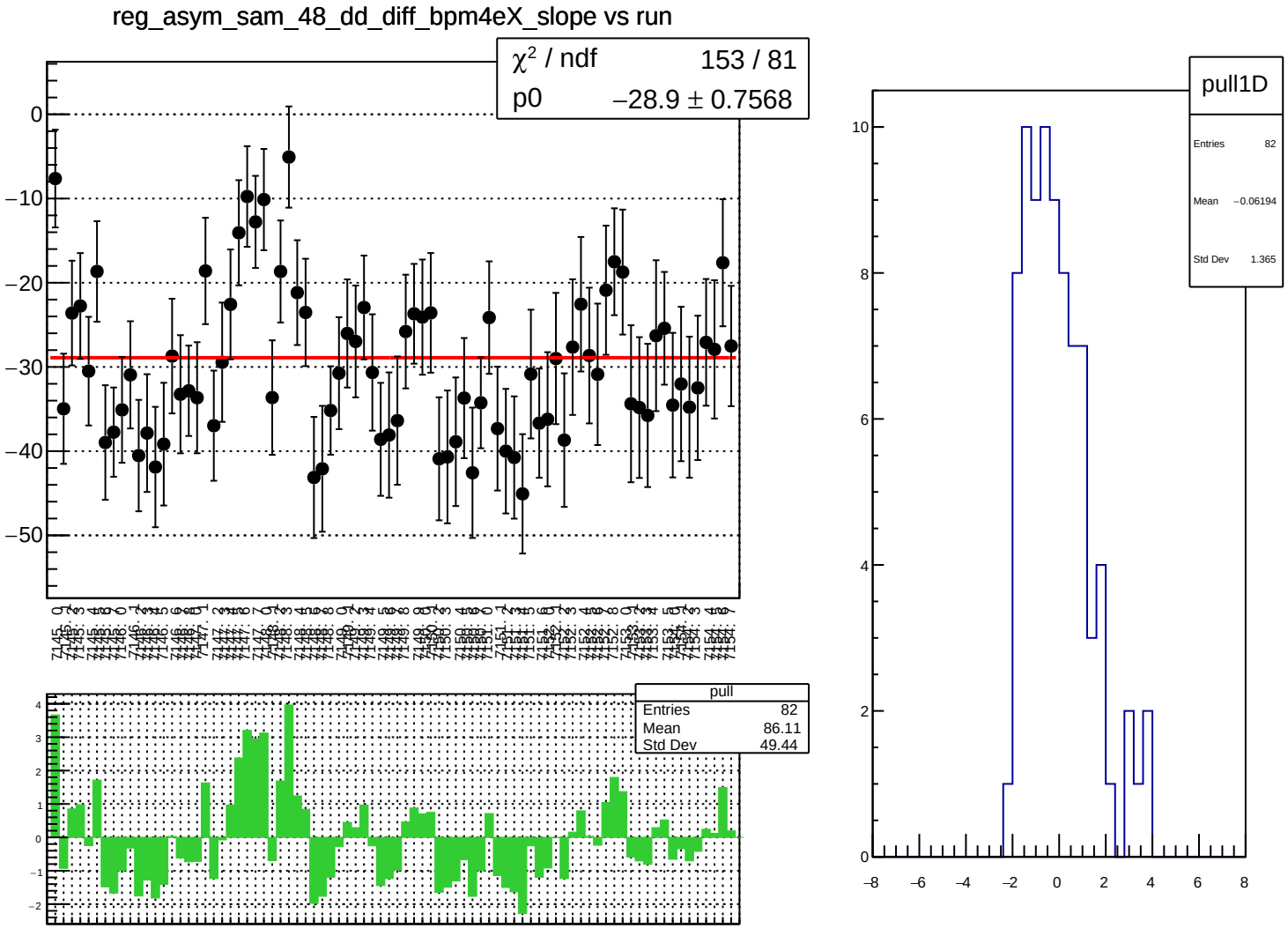

pull1D
Entries 82
Mean −0.03839
Std Dev 1.229

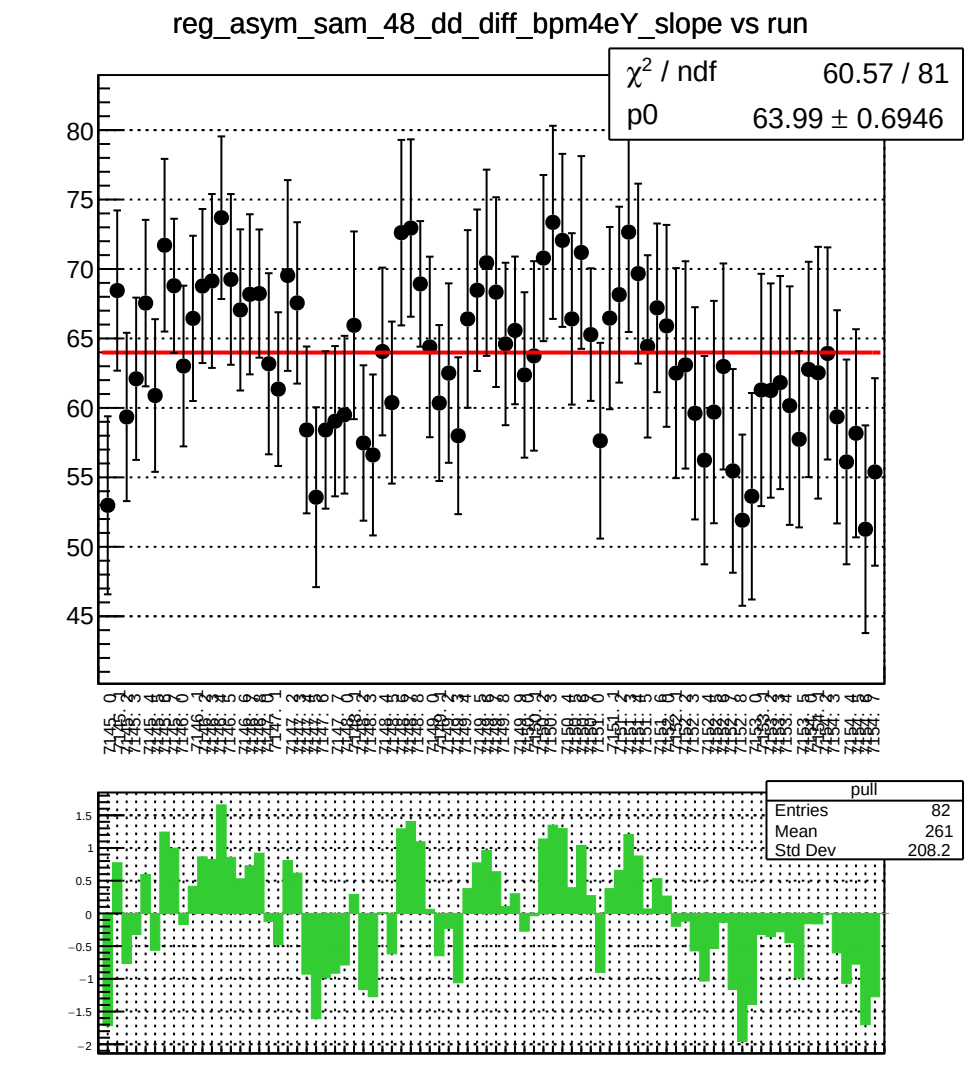

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 112.5 / 81
p0 −0.1837 ± 0.03649
pull
Entries 82
Mean 394.9
Std Dev 352.1
pull1D
Entries 82
Mean −0.07438
Std Dev 1.169

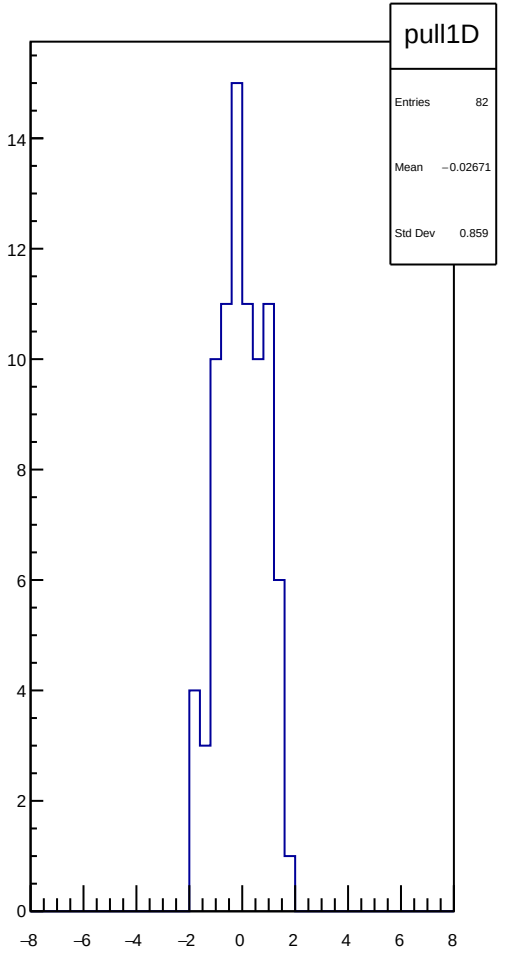

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 179.9 / 81
p0 −31.49 ± 0.7393
pull
Entries 82
Mean 86.45
Std Dev 50.28

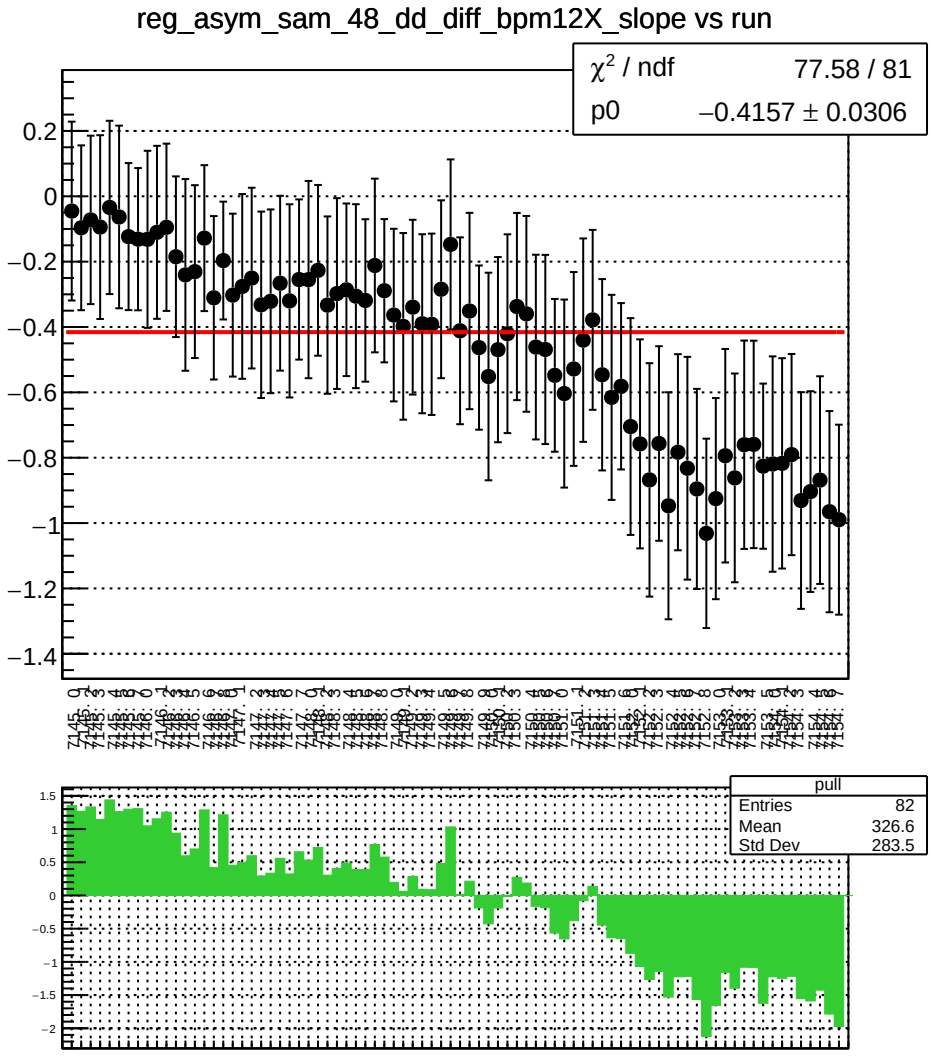

pull1D
Entries 82
Mean 0.06527
Std Dev 1.48

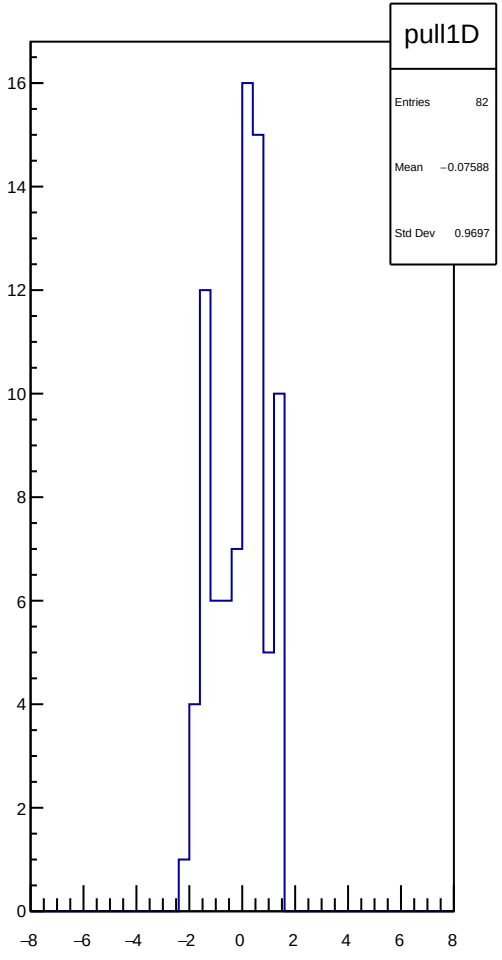

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.85 / 81
p0 34.63 ± 0.6372
pull
Entries 82
Mean 14.15
Std Dev 116.1
pull1D
Entries 82
Mean 0.006513
Std Dev 0.8893

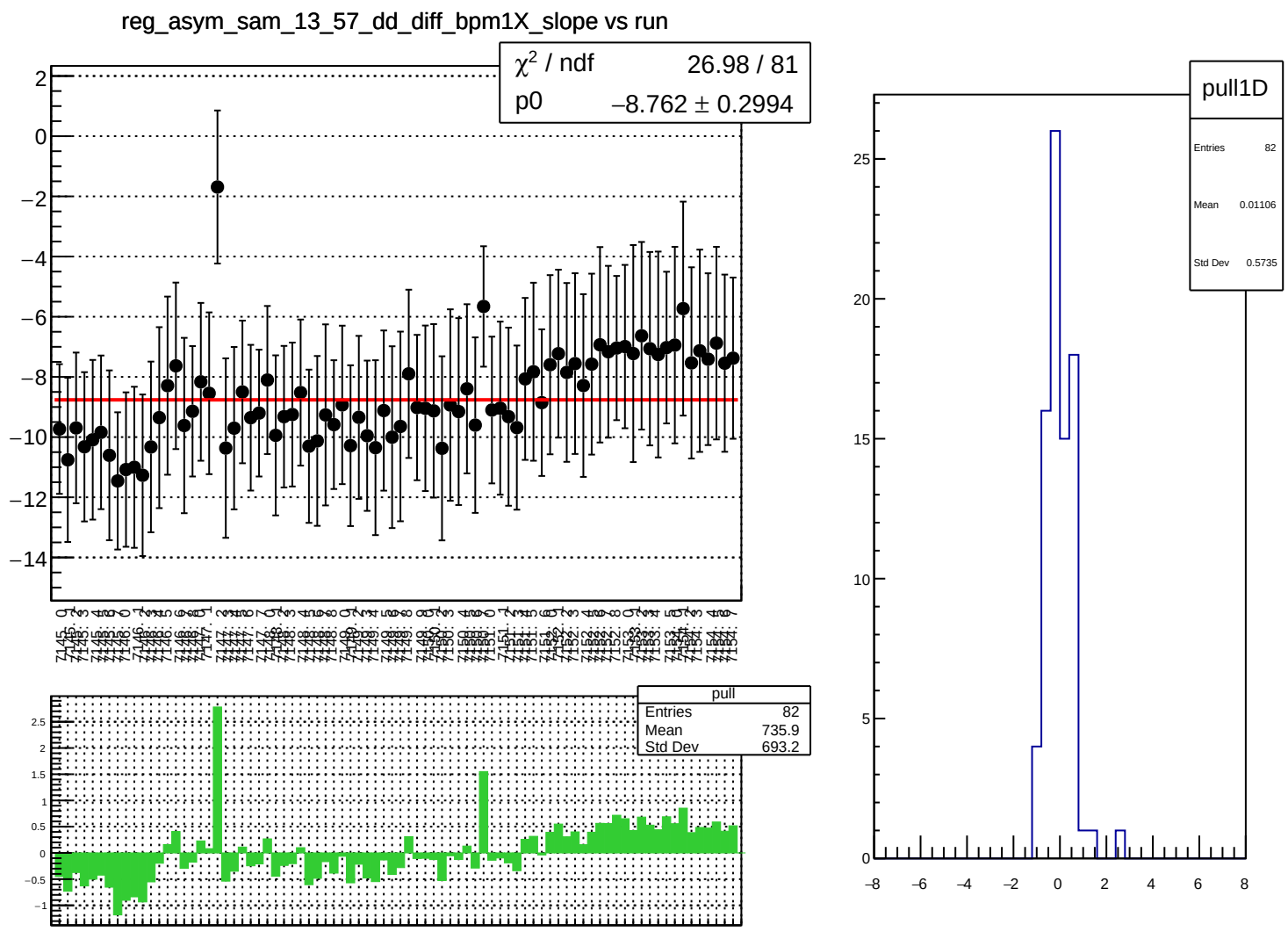

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 153 / 81
p0 −28.9 ± 0.7568
pull
Entries 82
Mean 86.11
Std Dev 49.44
pull1D
Entries 82
Mean −0.06194
Std Dev 1.365

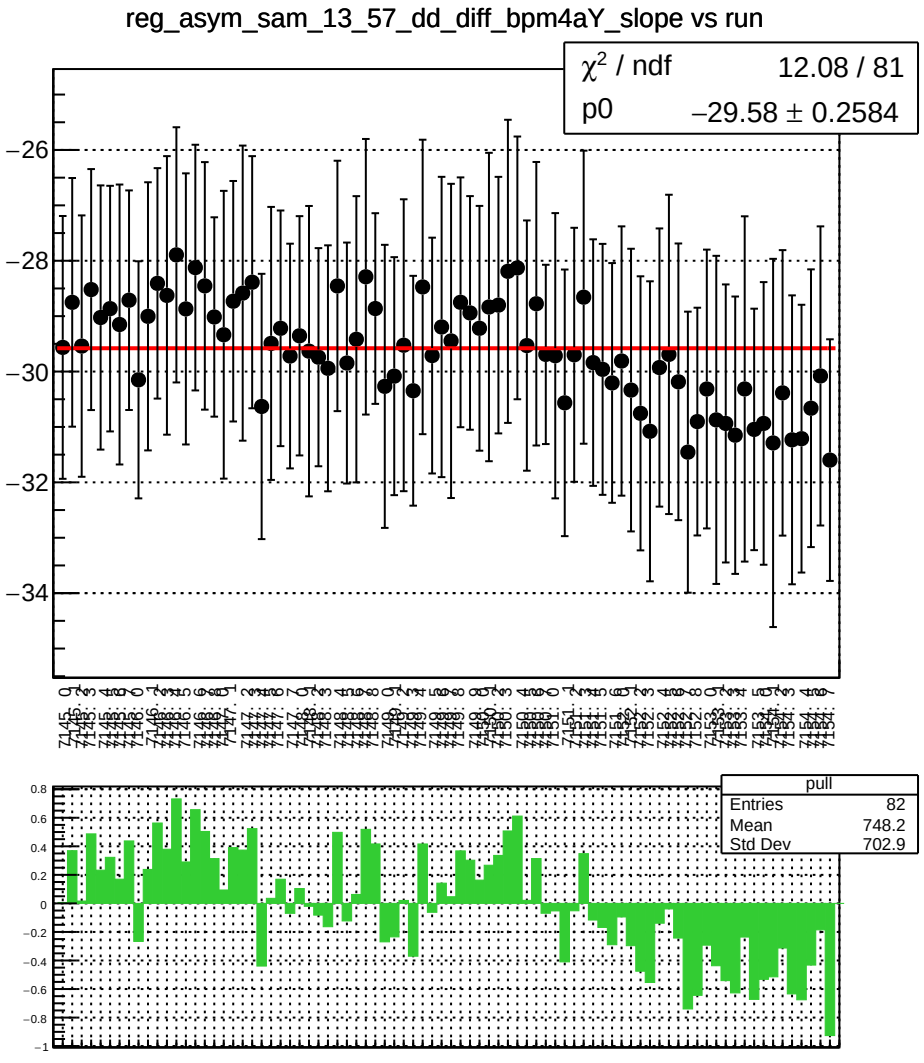

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.57 / 81
p0 63.99 ± 0.6946
pull
Entries 82
Mean 261
Std Dev 208.2

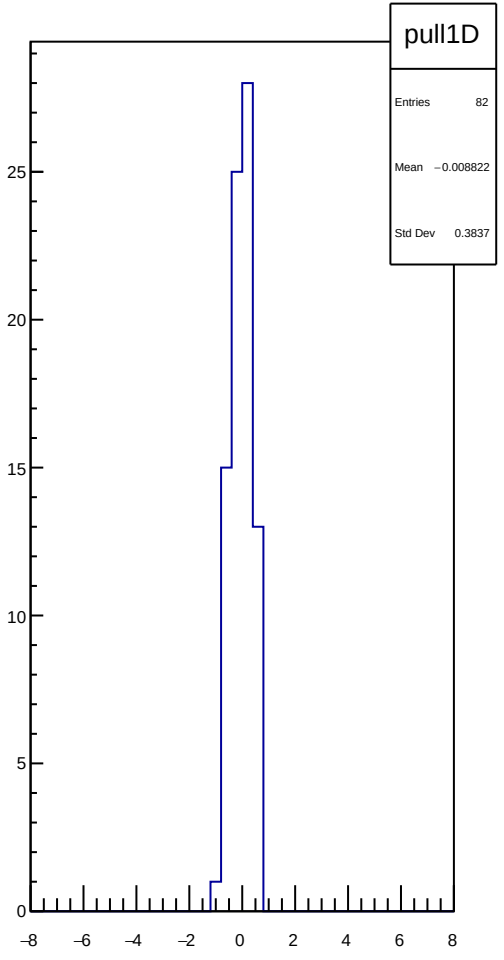

pull1D
Entries 82
Mean −0.02671
Std Dev 0.859

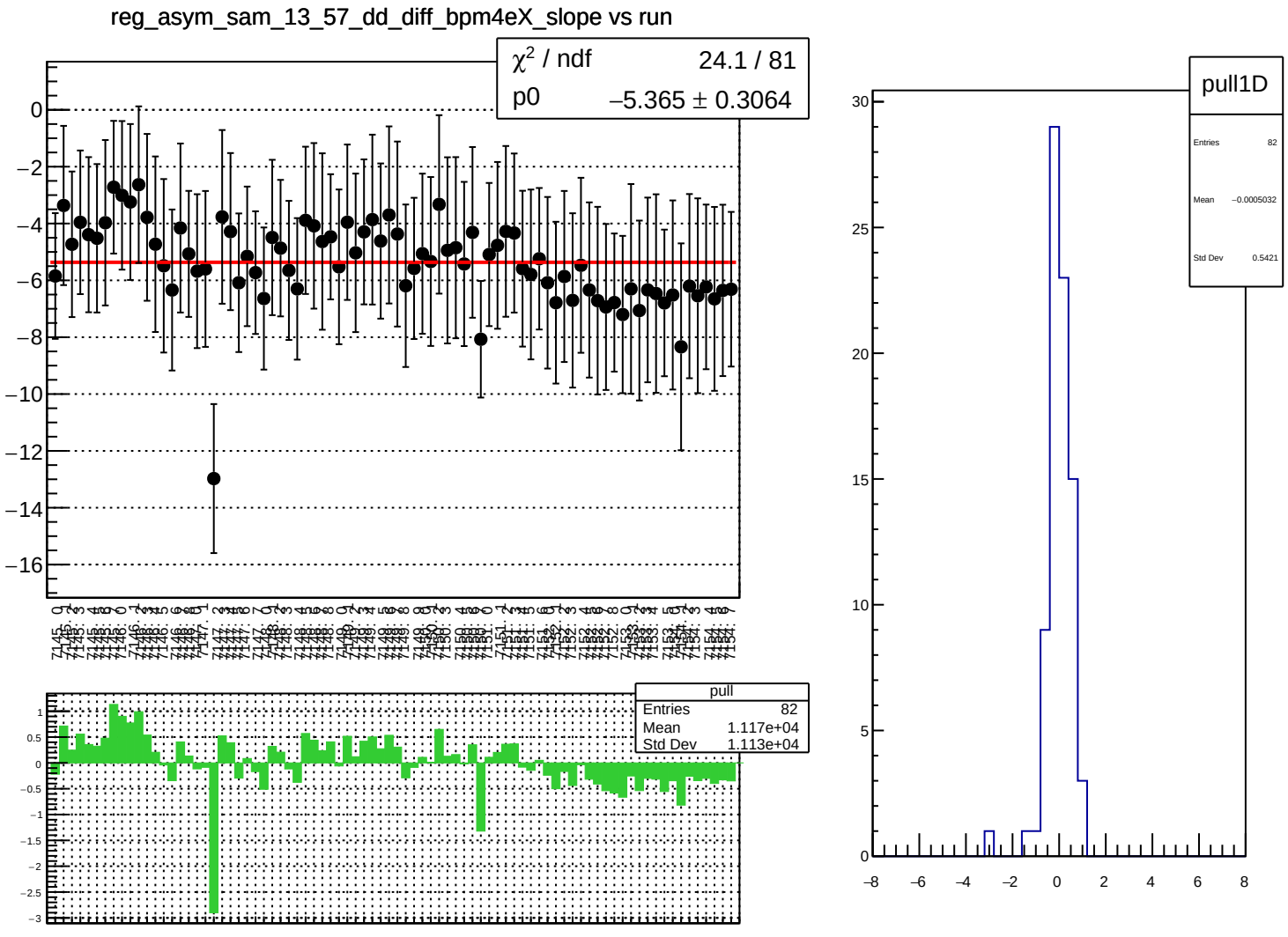

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.58 / 81
p0 −0.4157 ± 0.0306
pull
Entries 82
Mean 326.6
Std Dev 283.5

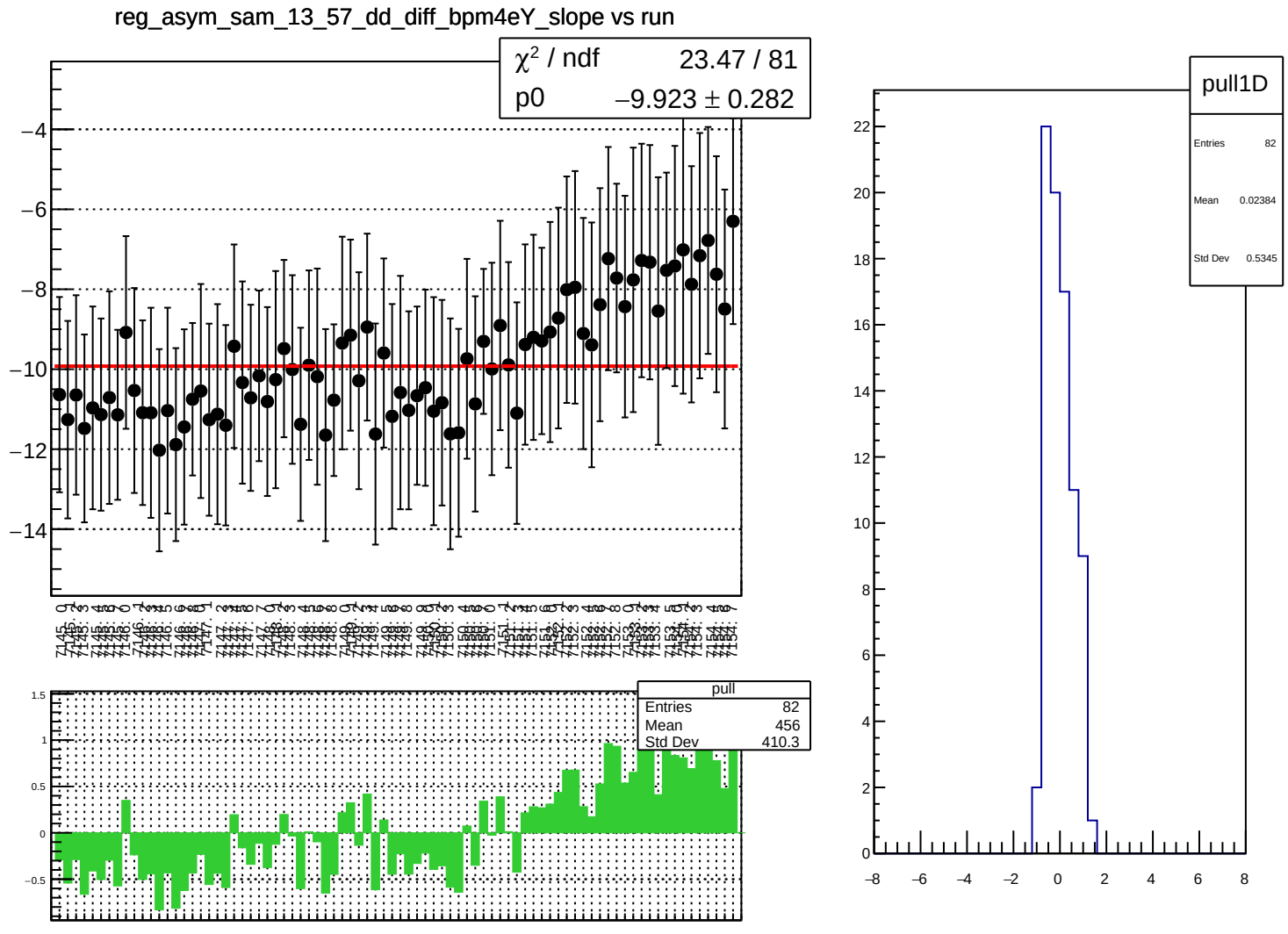

pull1D
Entries 82
Mean −0.07588
Std Dev 0.9697

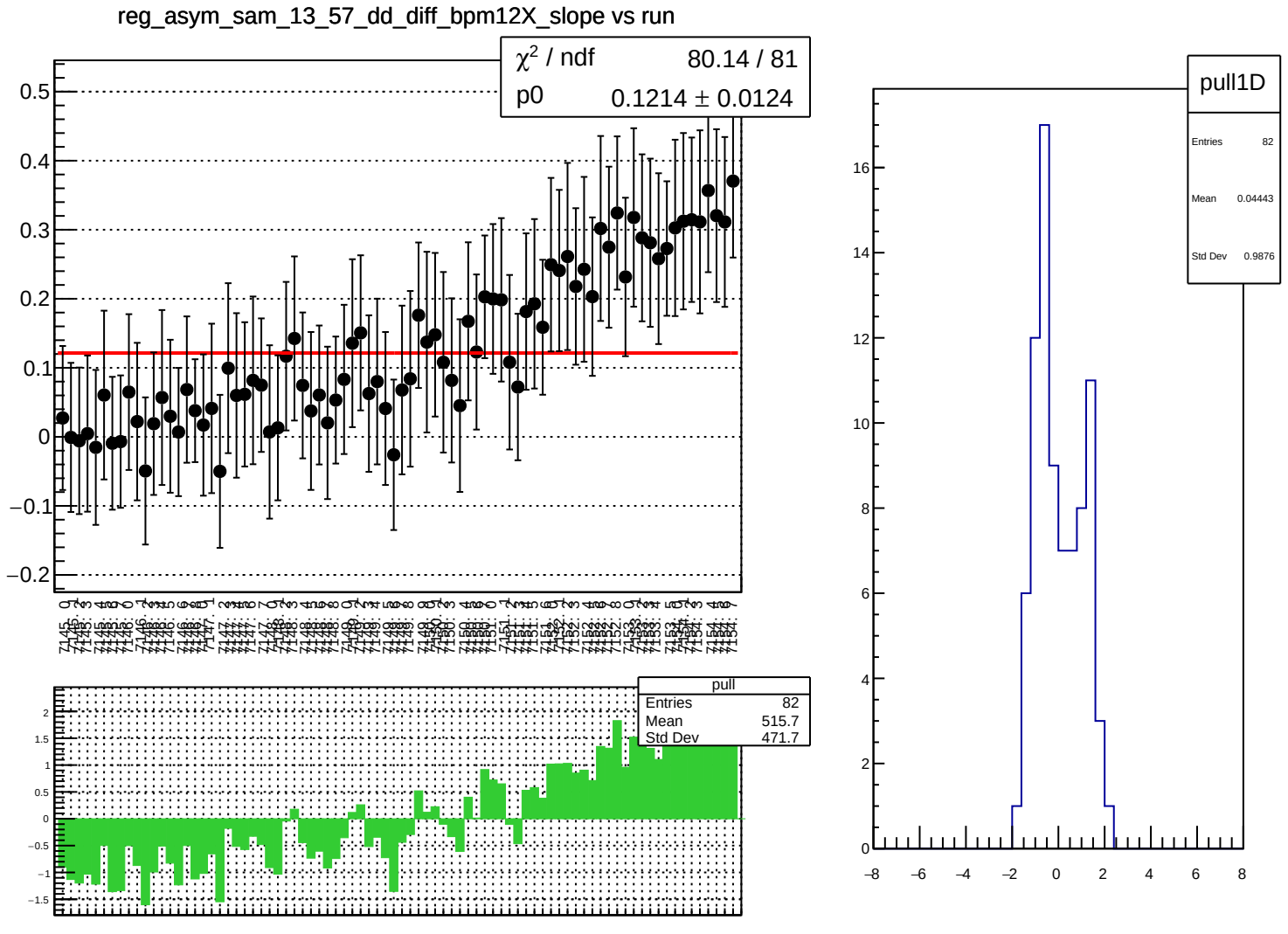

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.98 / 81
p0 −8.762 ± 0.2994
pull
Entries 82
Mean 735.9
Std Dev 693.2
pull1D
Entries 82
Mean 0.01106
Std Dev 0.5735

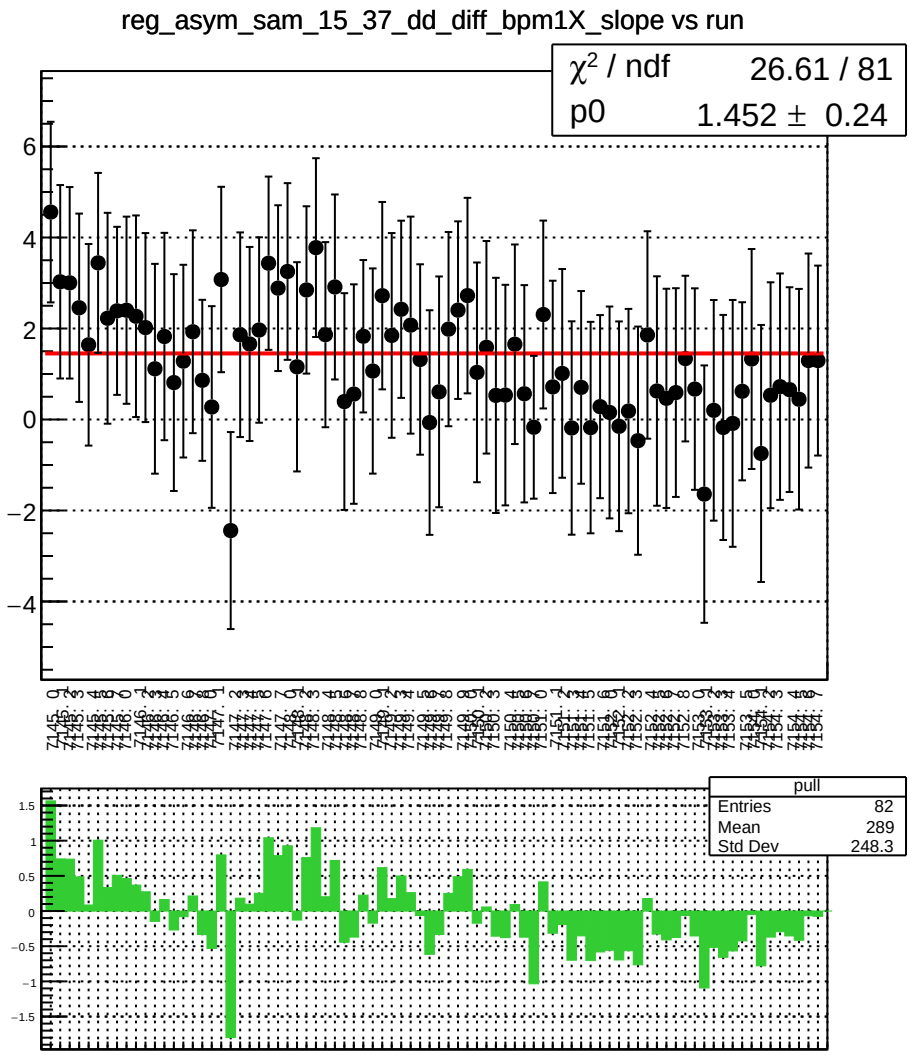

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.08 / 81
p0 −29.58 ± 0.2584
pull
Entries 82
Mean 748.2
Std Dev 702.9

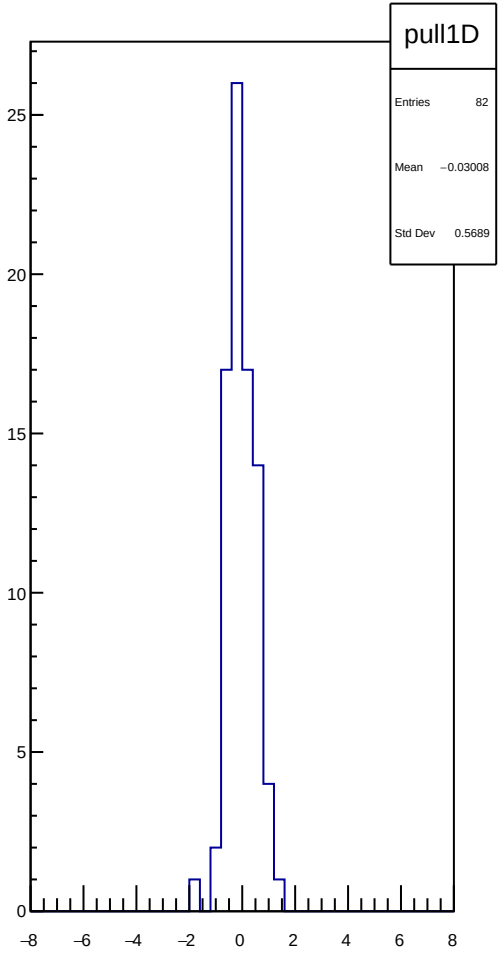

pull1D
Entries 82
Mean −0.008822
Std Dev 0.3837

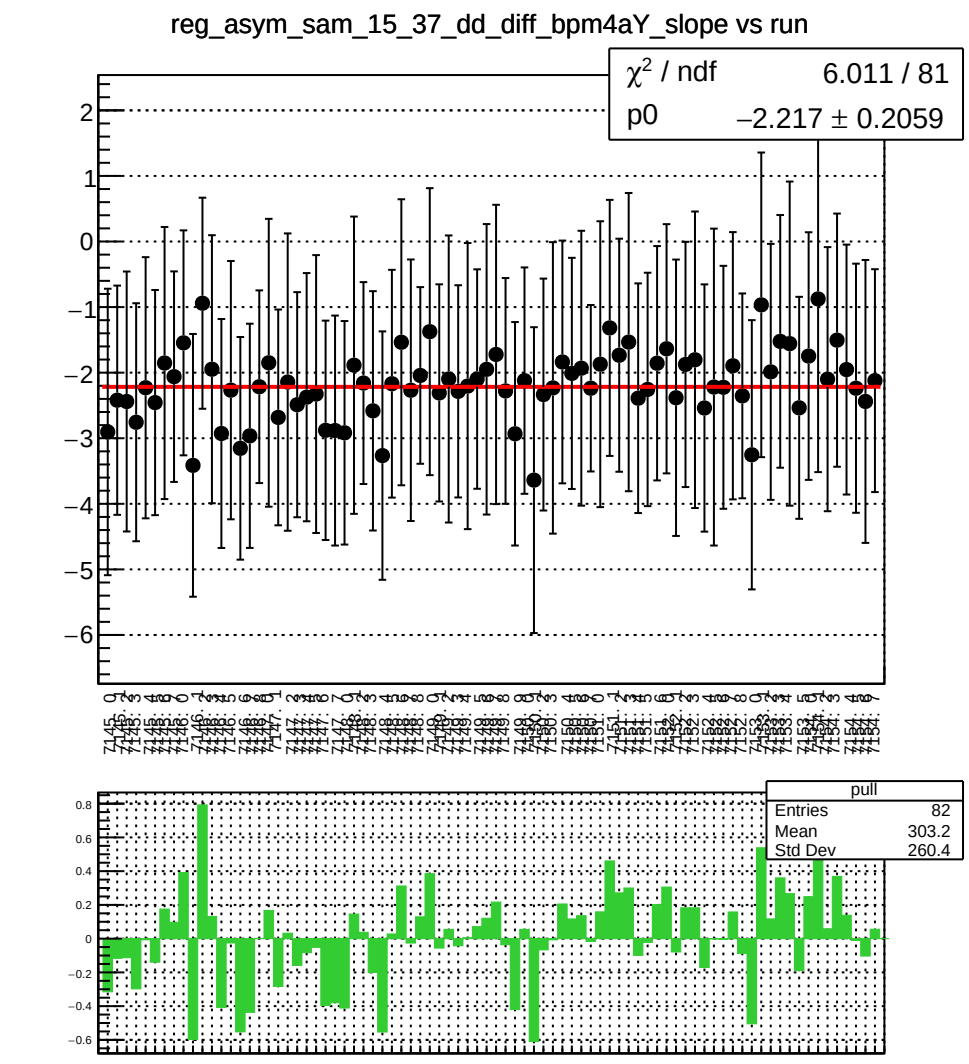

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.1 / 81
p0 −5.365 ± 0.3064
pull
Entries 82
Mean 1.117e+04
Std Dev 1.113e+04
pull1D
Entries 82
Mean −0.0005032
Std Dev 0.5421

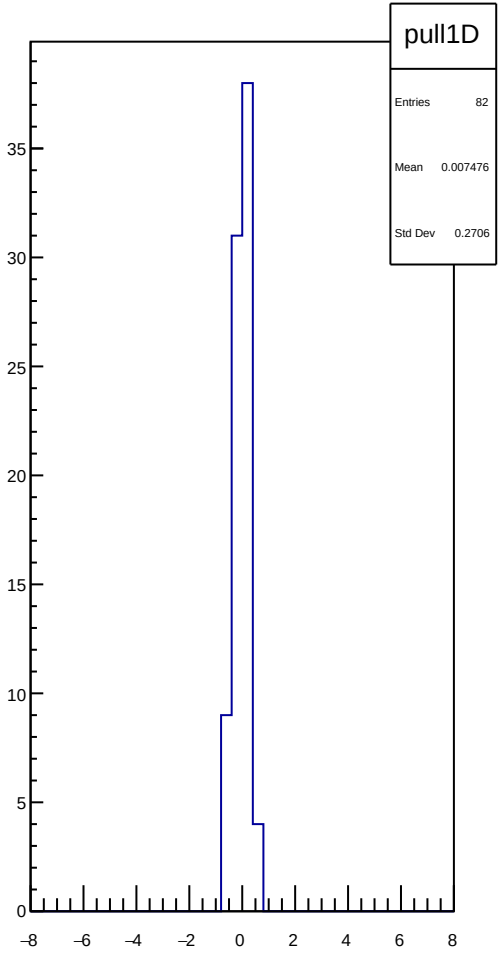

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.47 / 81
p0 −9.923 ± 0.282
pull
Entries 82
Mean 456
Std Dev 410.3
pull1D
Entries 82
Mean 0.02384
Std Dev 0.5345

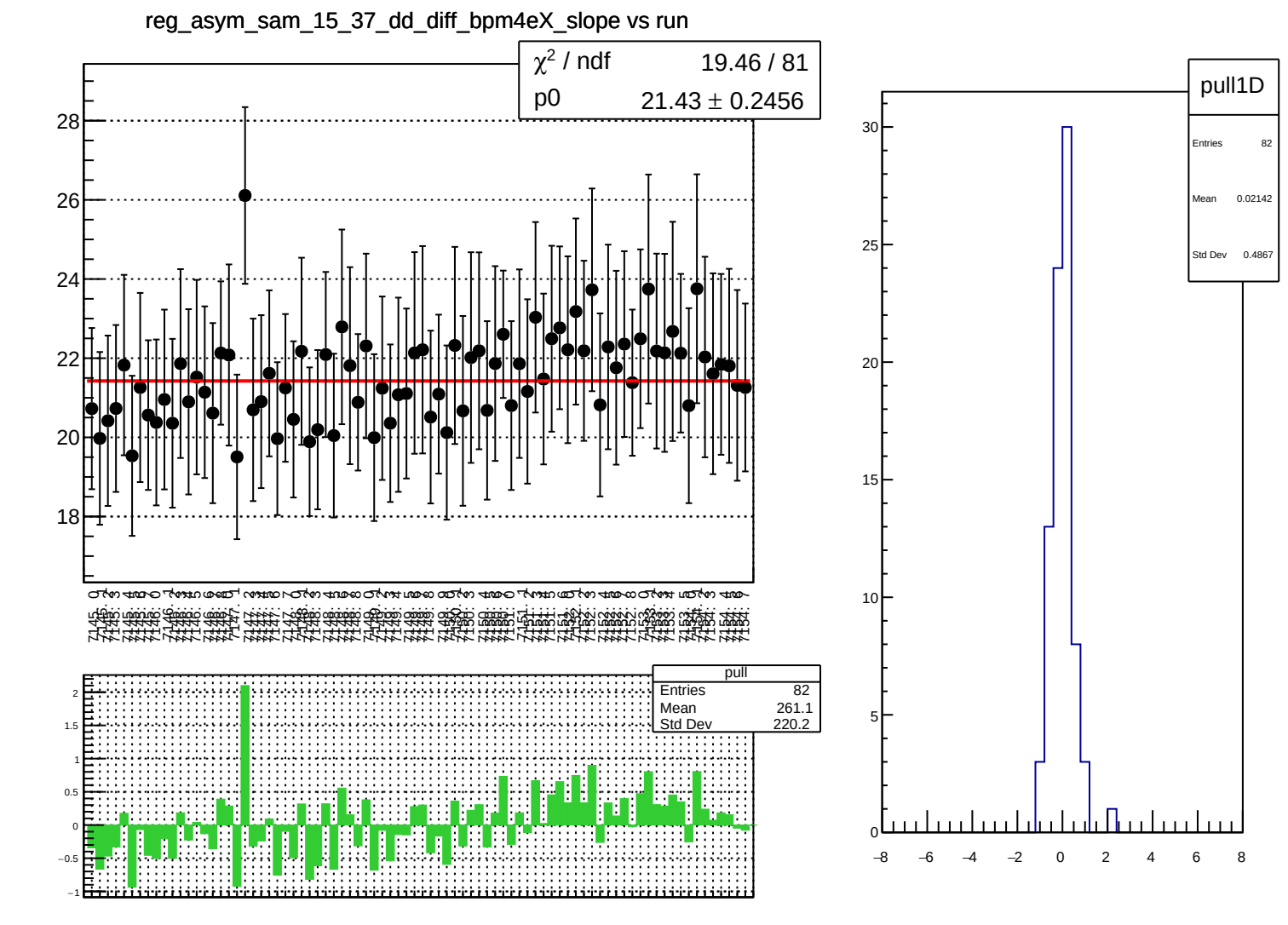

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 80.14 / 81
p0 0.1214 ± 0.0124
pull
Entries 82
Mean 515.7
Std Dev 471.7
pull1D
Entries 82
Mean 0.04443
Std Dev 0.9876

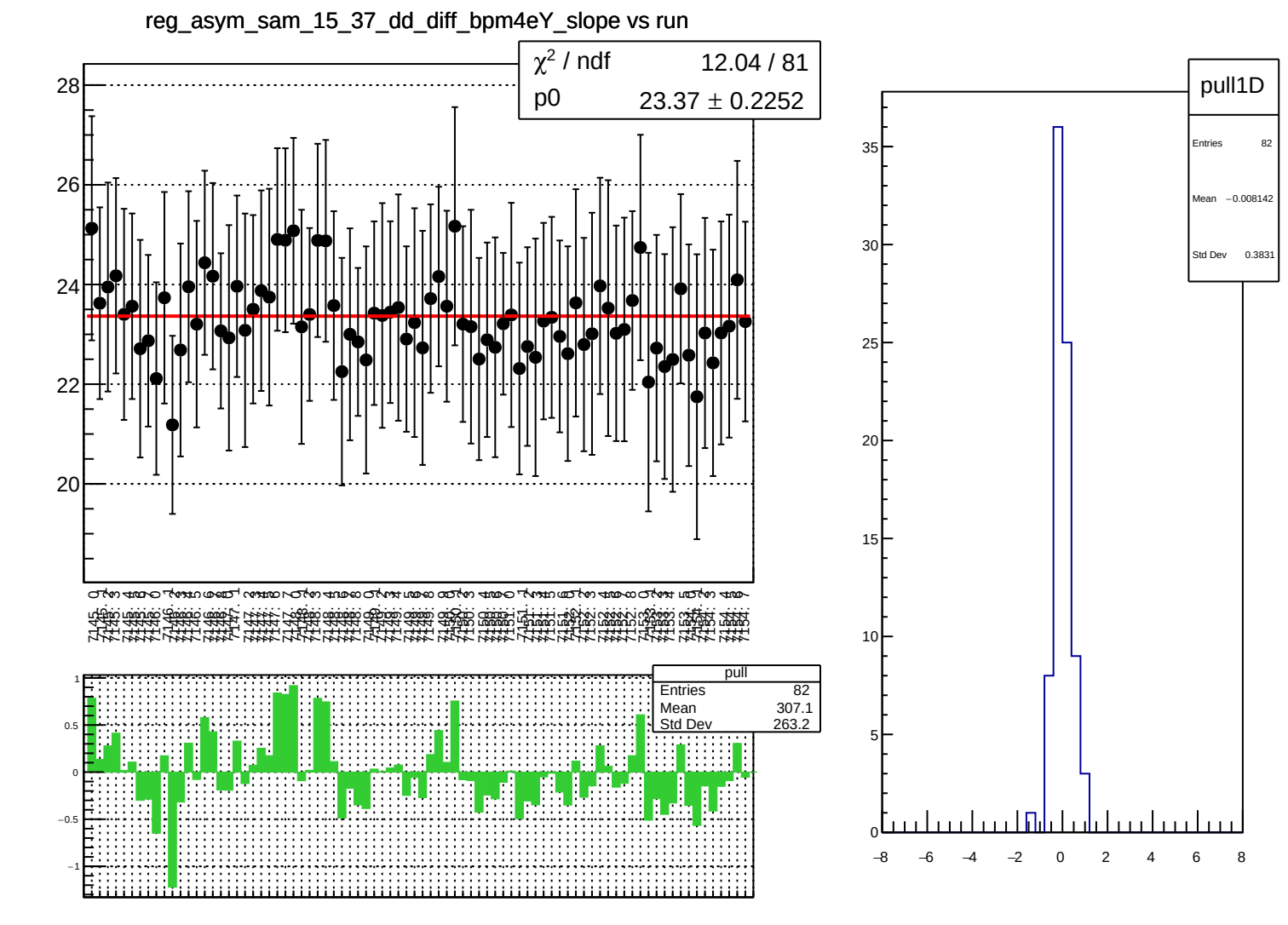

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 26.61 / 81
p0 1.452 ± 0.24
pull
Entries 82
Mean 289
Std Dev 248.3

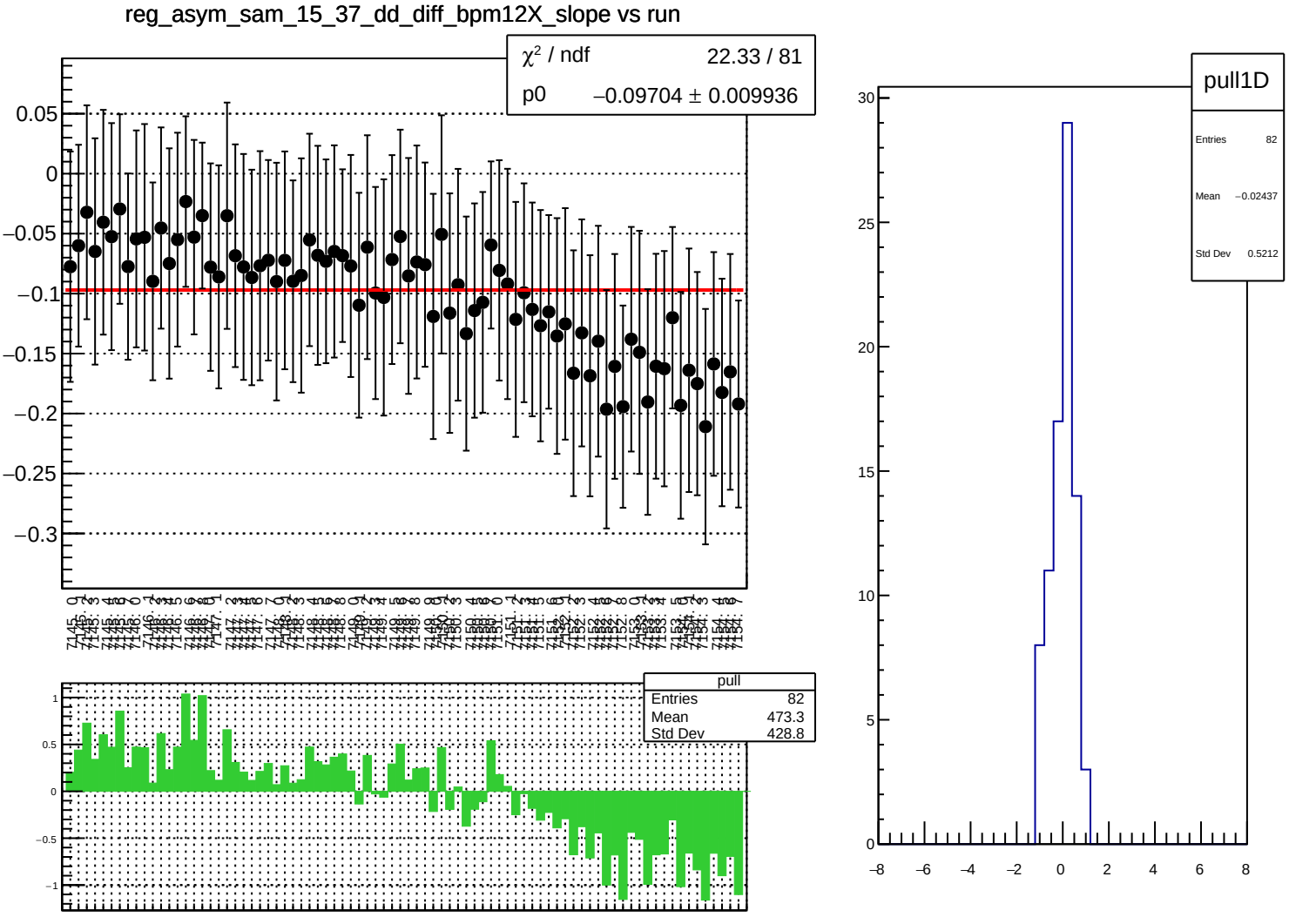

pull1D
Entries 82
Mean −0.03008
Std Dev 0.5689

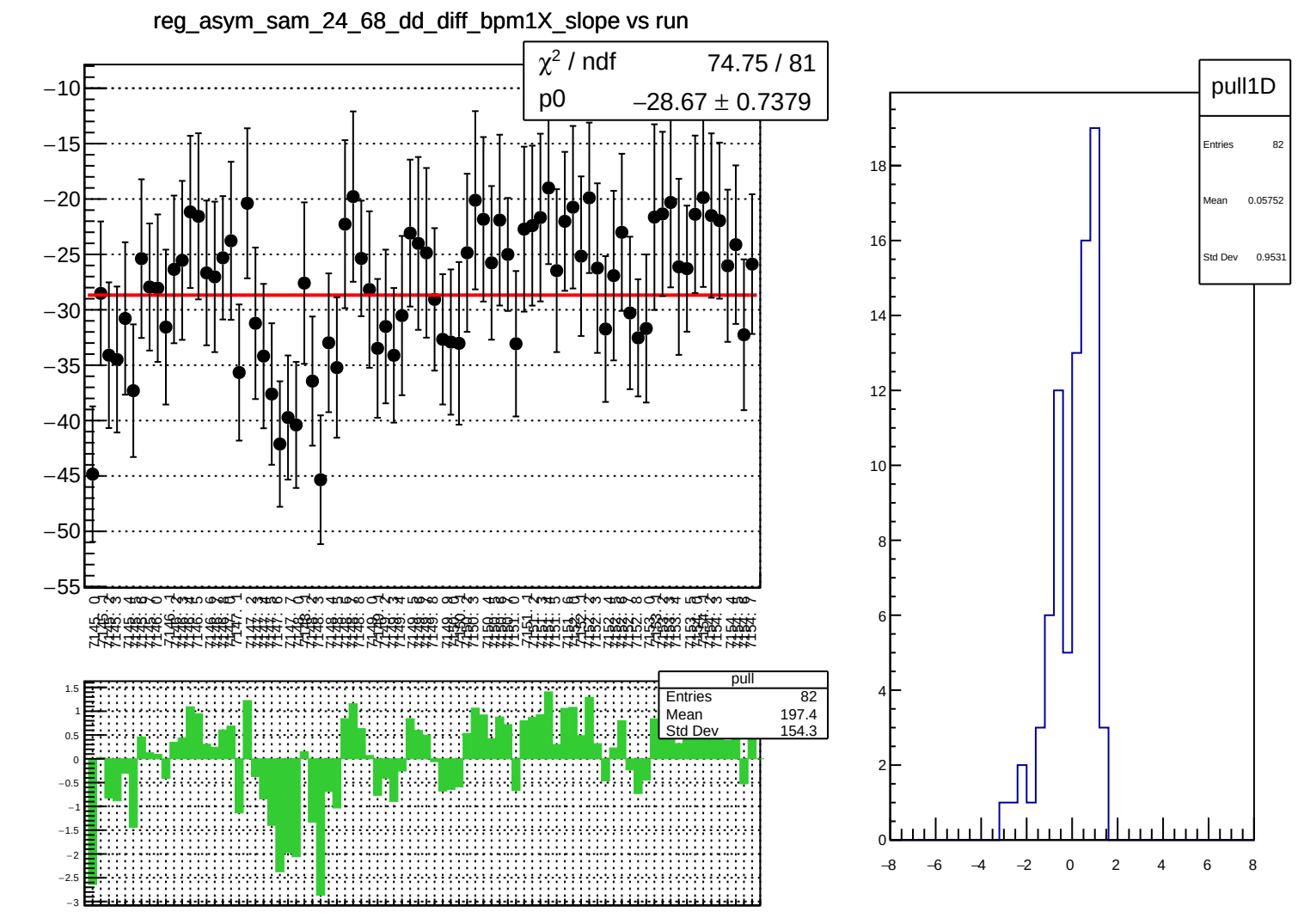

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.011 / 81
p0 −2.217 ± 0.2059
pull
Entries 82
Mean 303.2
Std Dev 260.4

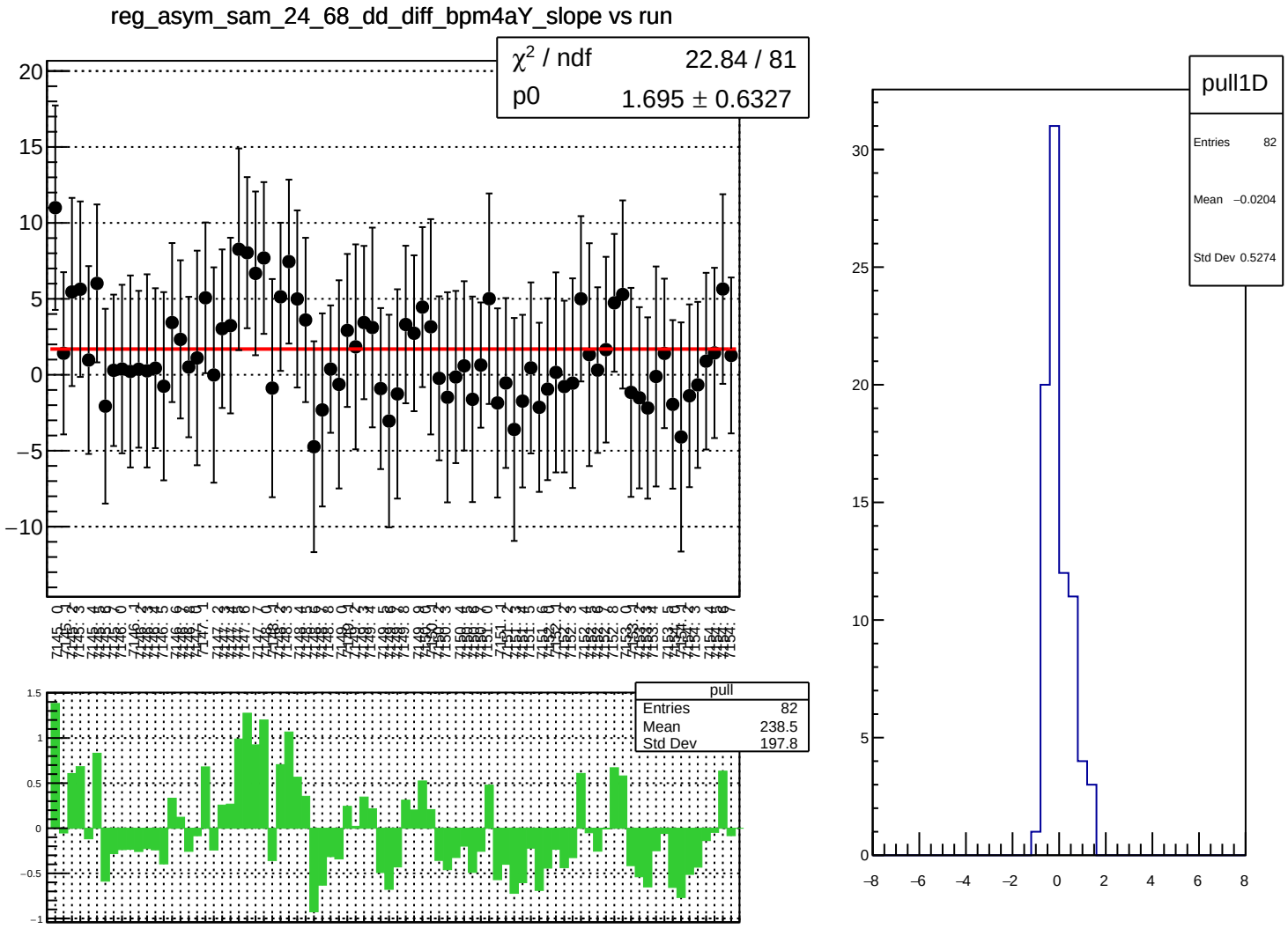

pull1D
Entries 82
Mean 0.007476
Std Dev 0.2706

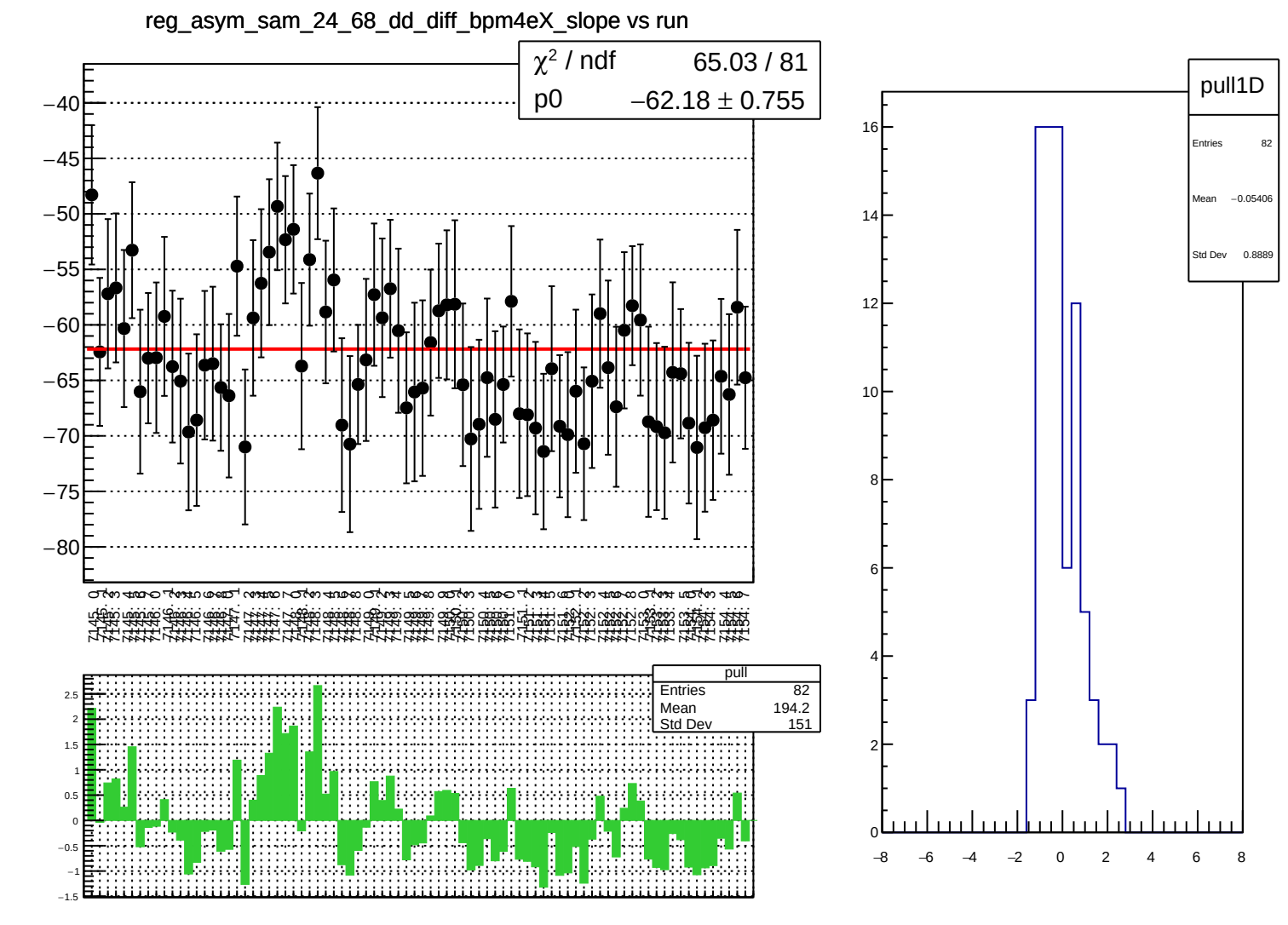

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.46 / 81
p0 21.43 ± 0.2456
pull
Entries 82
Mean 261.1
Std Dev 220.2
pull1D
Entries 82
Mean 0.02142
Std Dev 0.4867

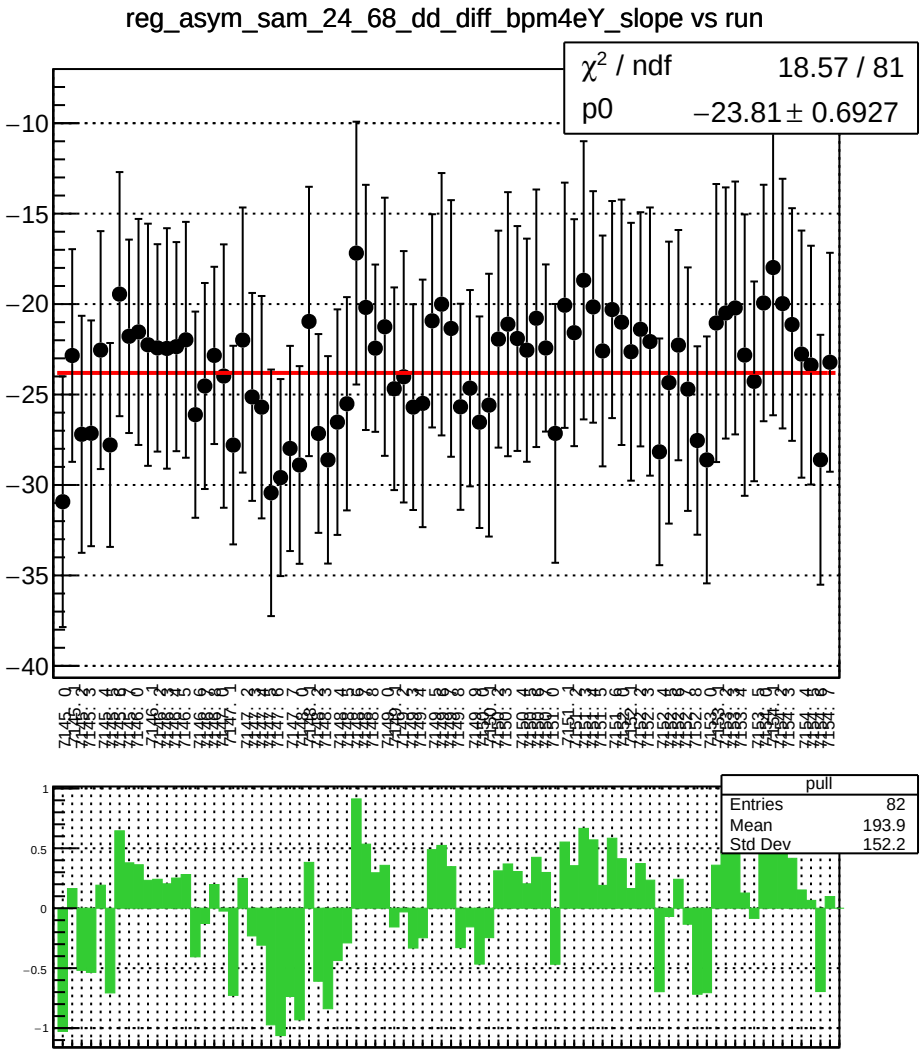

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.04 / 81
p0 23.37 ± 0.2252
28
26
24
22
20
pull
Entries 82
Mean 307.1
Std Dev 263.2
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.008142
Std Dev 0.3831
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

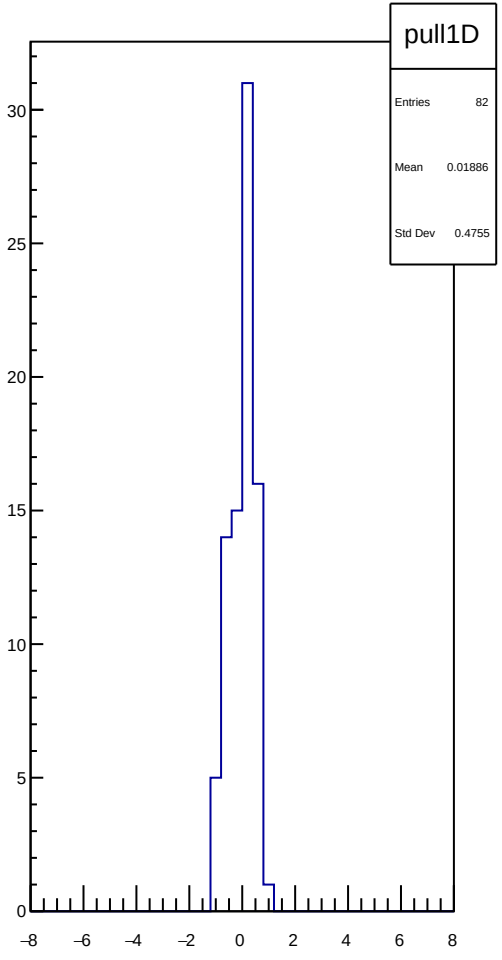

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 22.33 / 81
p0 −0.09704 ± 0.009936
pull
Entries 82
Mean 473.3
Std Dev 428.8
pull1D
Entries 82
Mean −0.02437
Std Dev 0.5212

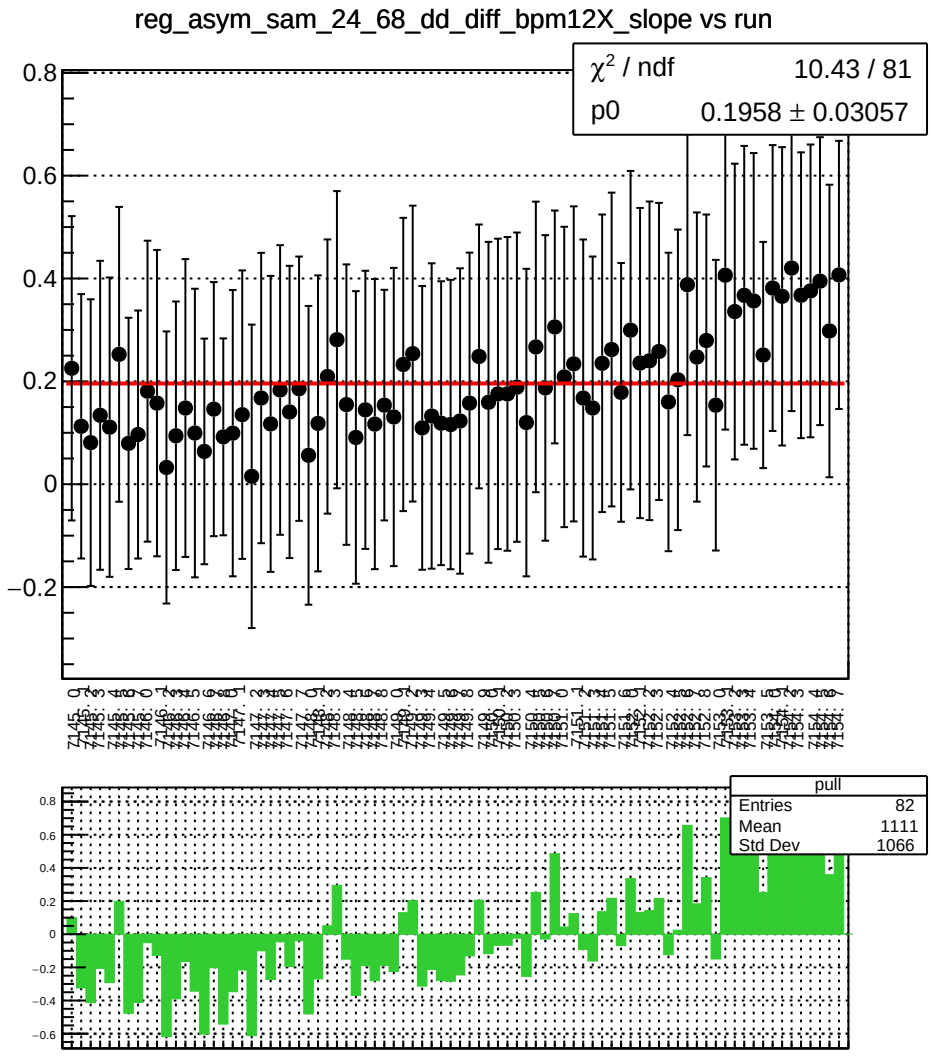

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 74.75 / 81
p0 −28.67 ± 0.7379
pull
Entries 82
Mean 197.4
Std Dev 154.3
pull1D
Entries 82
Mean 0.05752
Std Dev 0.9531

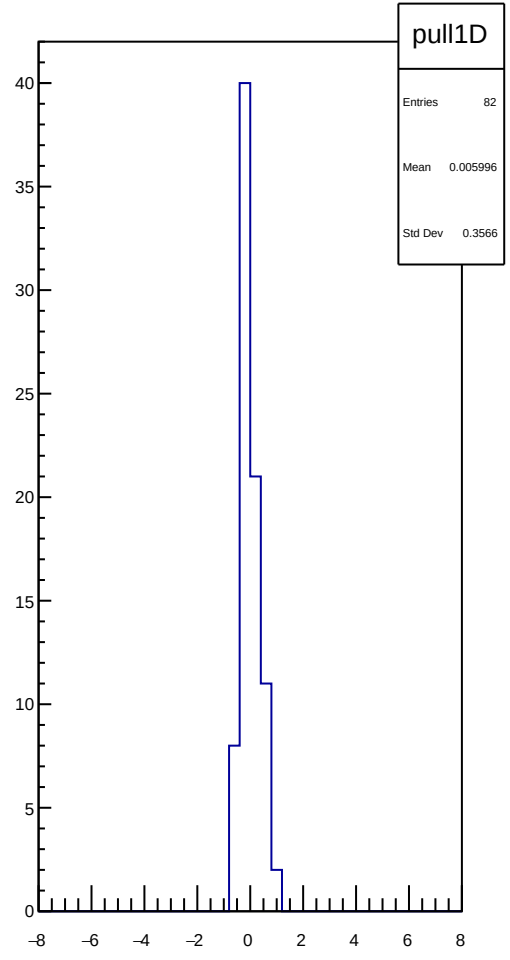

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.84 / 81
p0 1.695 ± 0.6327
pull
Entries 82
Mean 238.5
Std Dev 197.8
pull1D
Entries 82
Mean −0.0204
Std Dev 0.5274

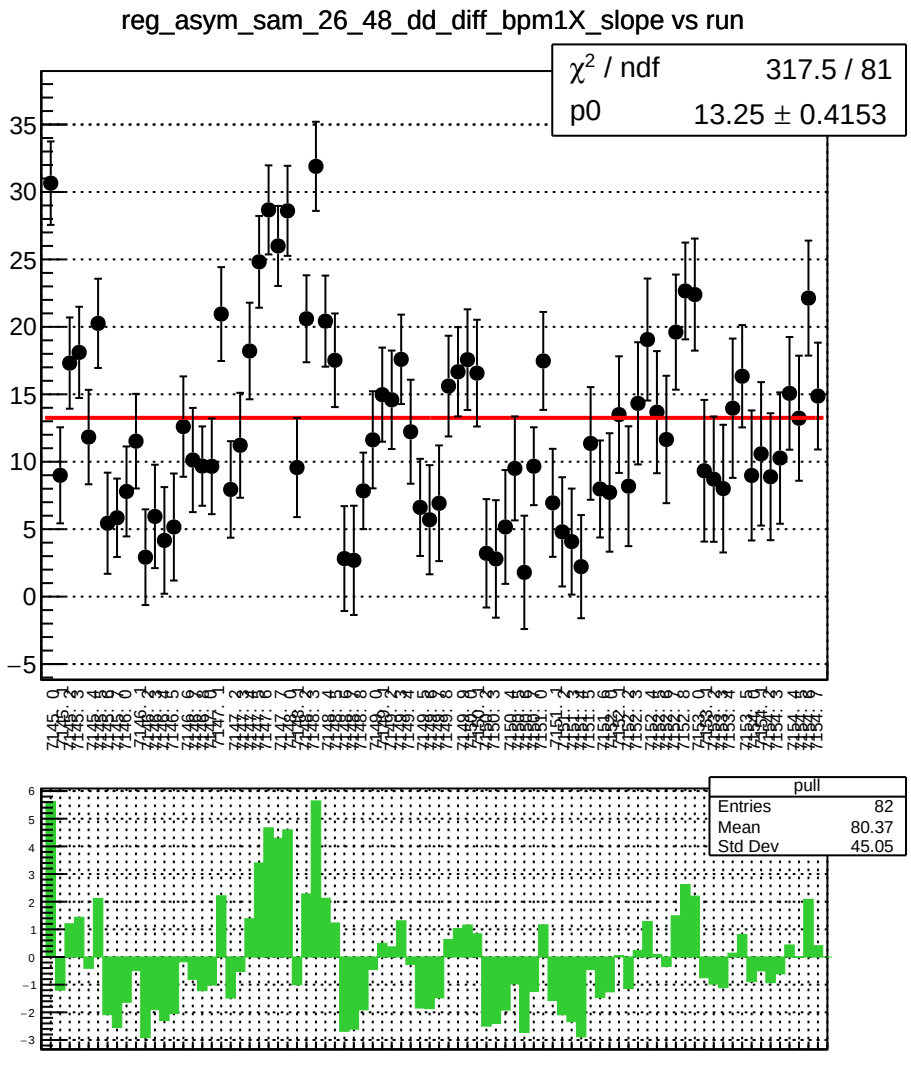

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.03 / 81
p0 −62.18 ± 0.755
pull
Entries 82
Mean 194.2
Std Dev 151
pull1D
Entries 82
Mean −0.05406
Std Dev 0.8889

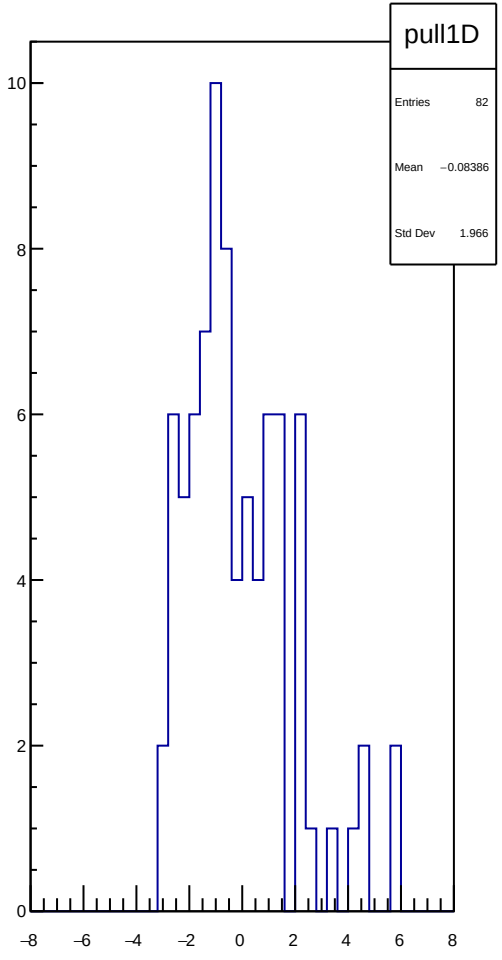

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.57 / 81
p0 −23.81 ± 0.6927
pull
Entries 82
Mean 193.9
Std Dev 152.2

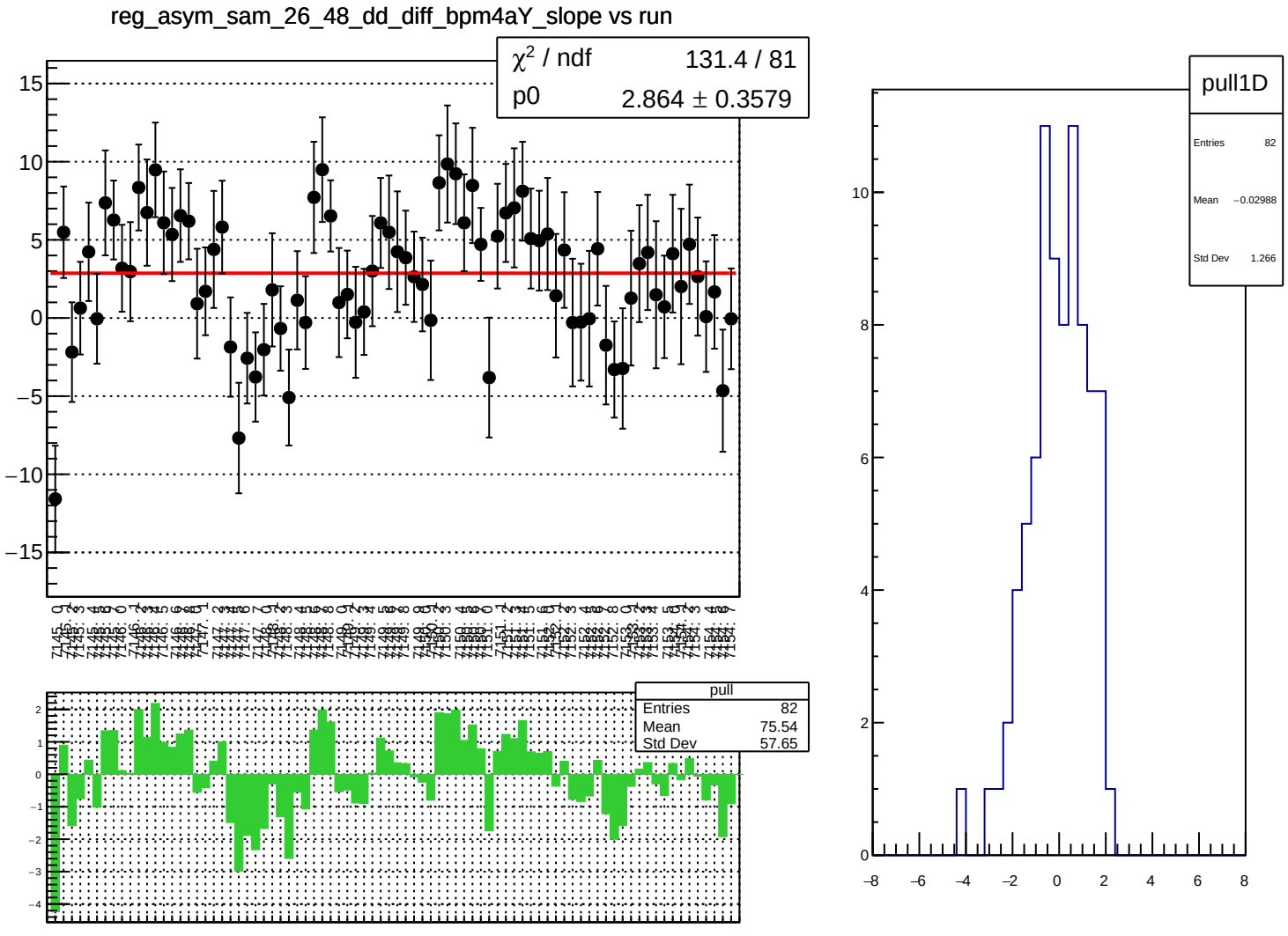

pull1D
Entries 82
Mean 0.01886
Std Dev 0.4755

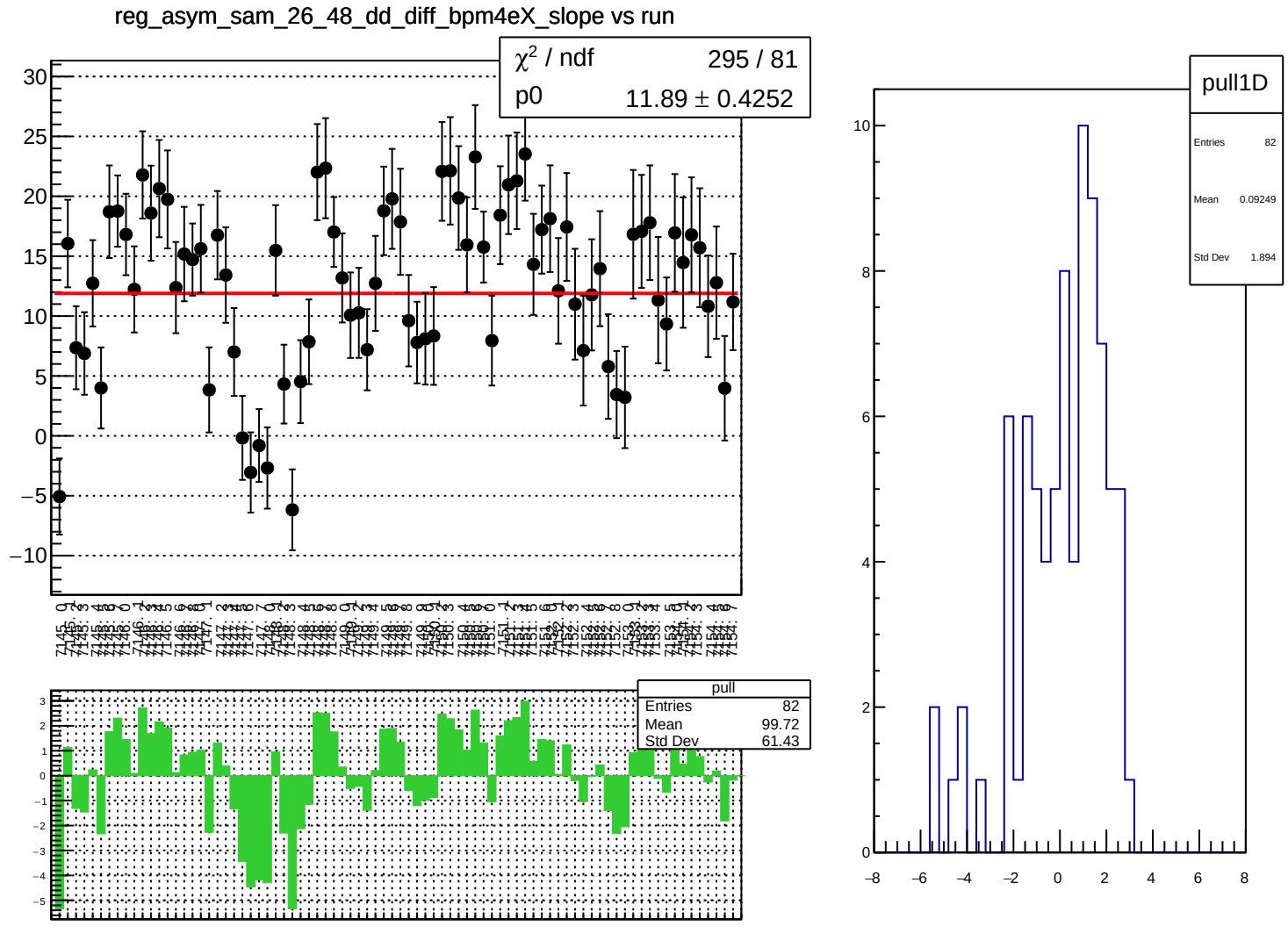

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 10.43 / 81
p0 0.1958 ± 0.03057
pull
Entries 82
Mean 1111
Std Dev 1066

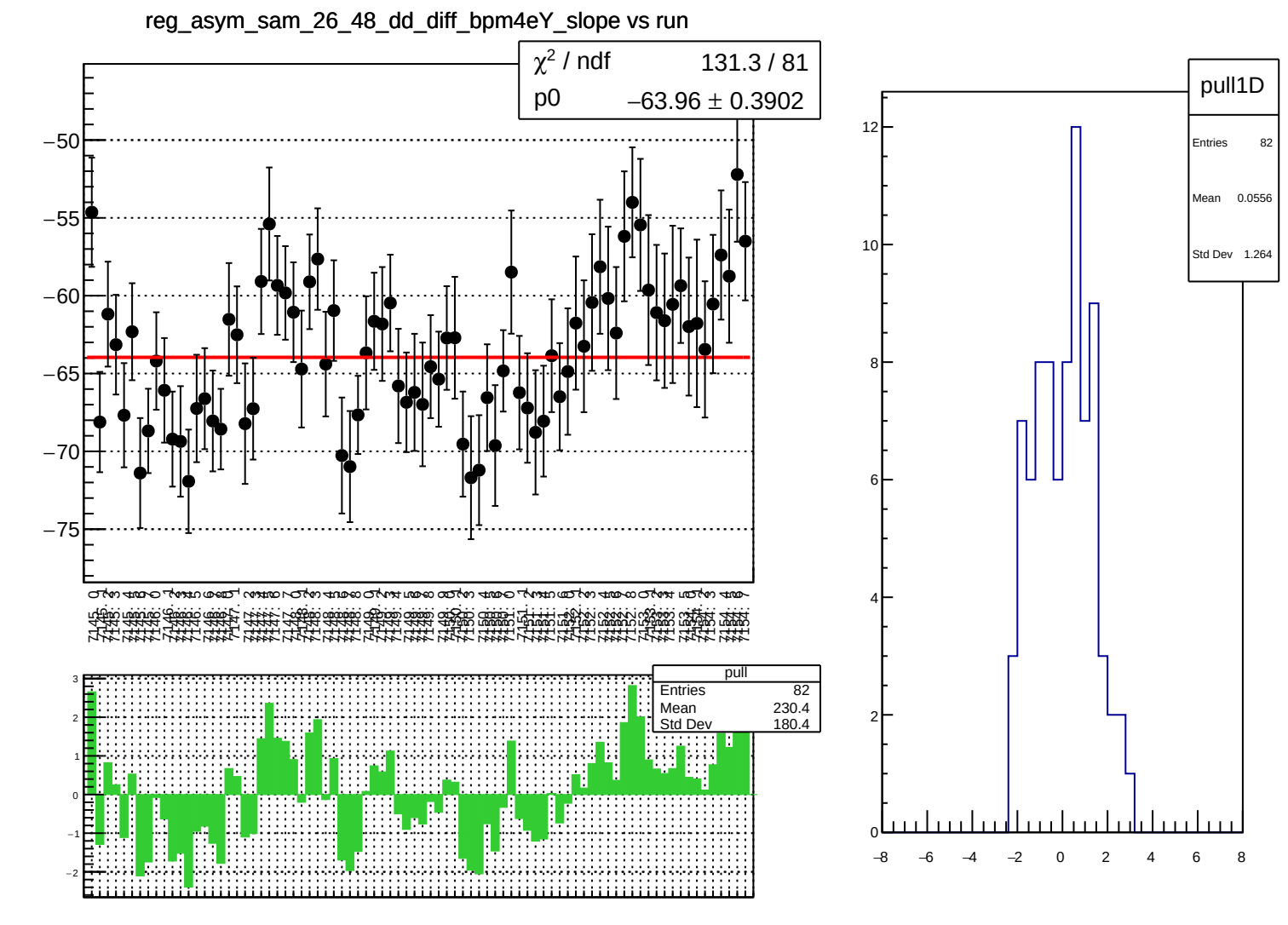

pull1D
Entries 82
Mean 0.005996
Std Dev 0.3566

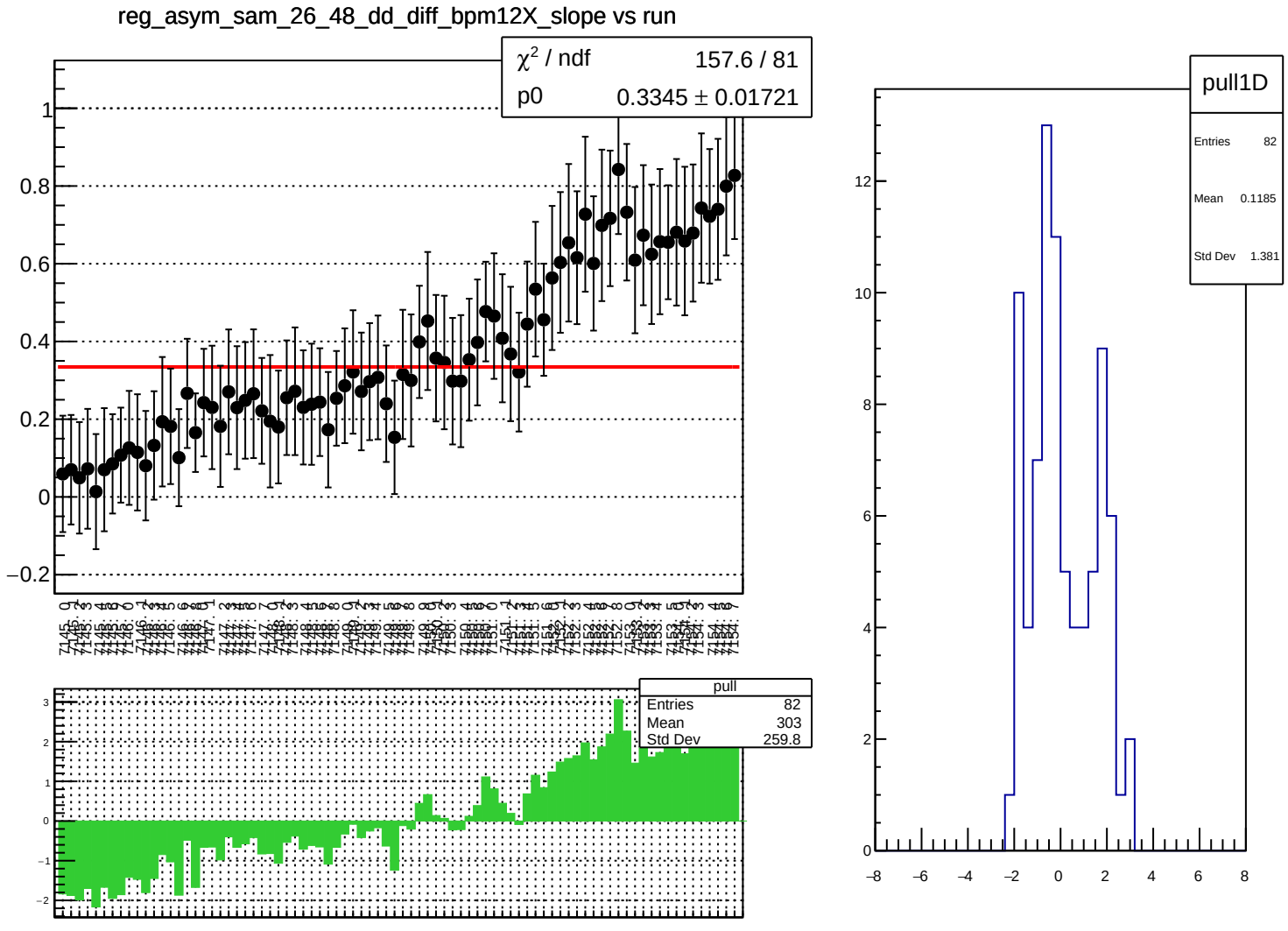

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 317.5 / 81
p0 13.25 ± 0.4153
pull
Entries 82
Mean 80.37
Std Dev 45.05

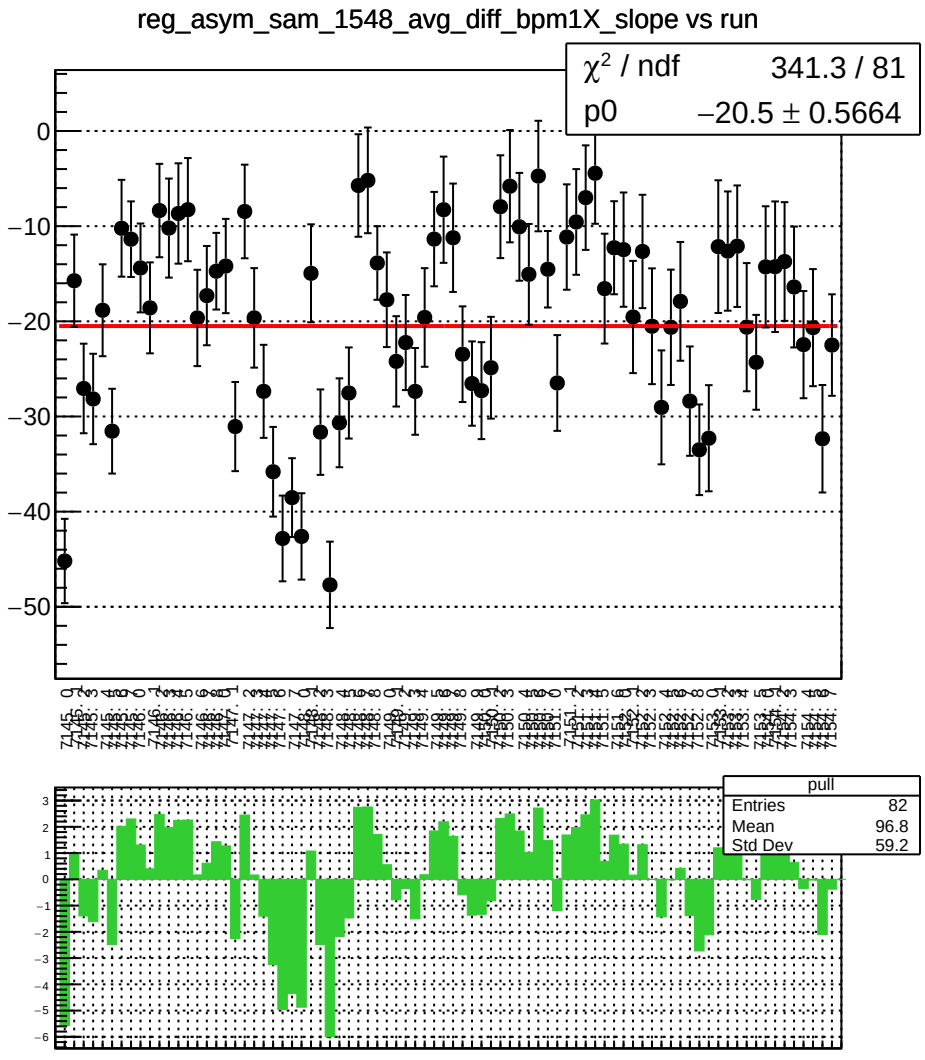

pull1D
Entries 82
Mean −0.08386
Std Dev 1.966

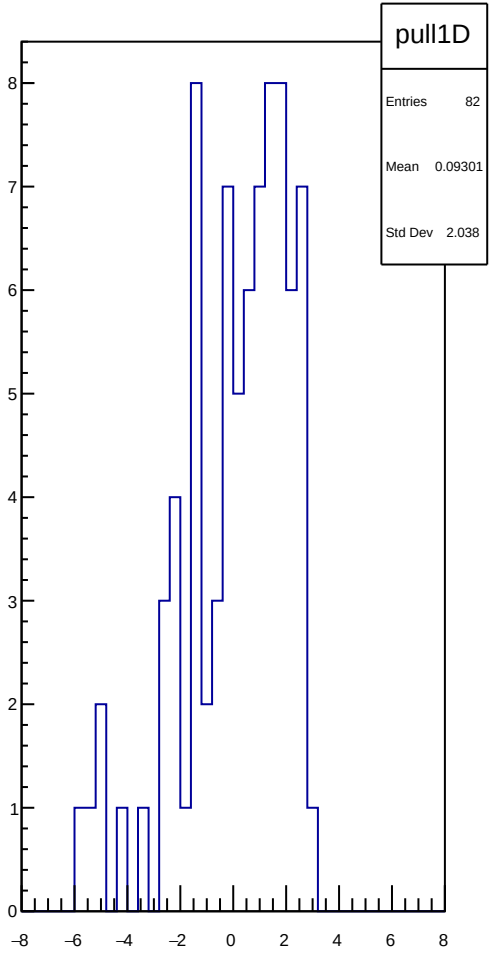

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 131.4 / 81
p0 2.864 ± 0.3579
pull
Entries 82
Mean 75.54
Std Dev 57.65
pull1D
Entries 82
Mean −0.02988
Std Dev 1.266

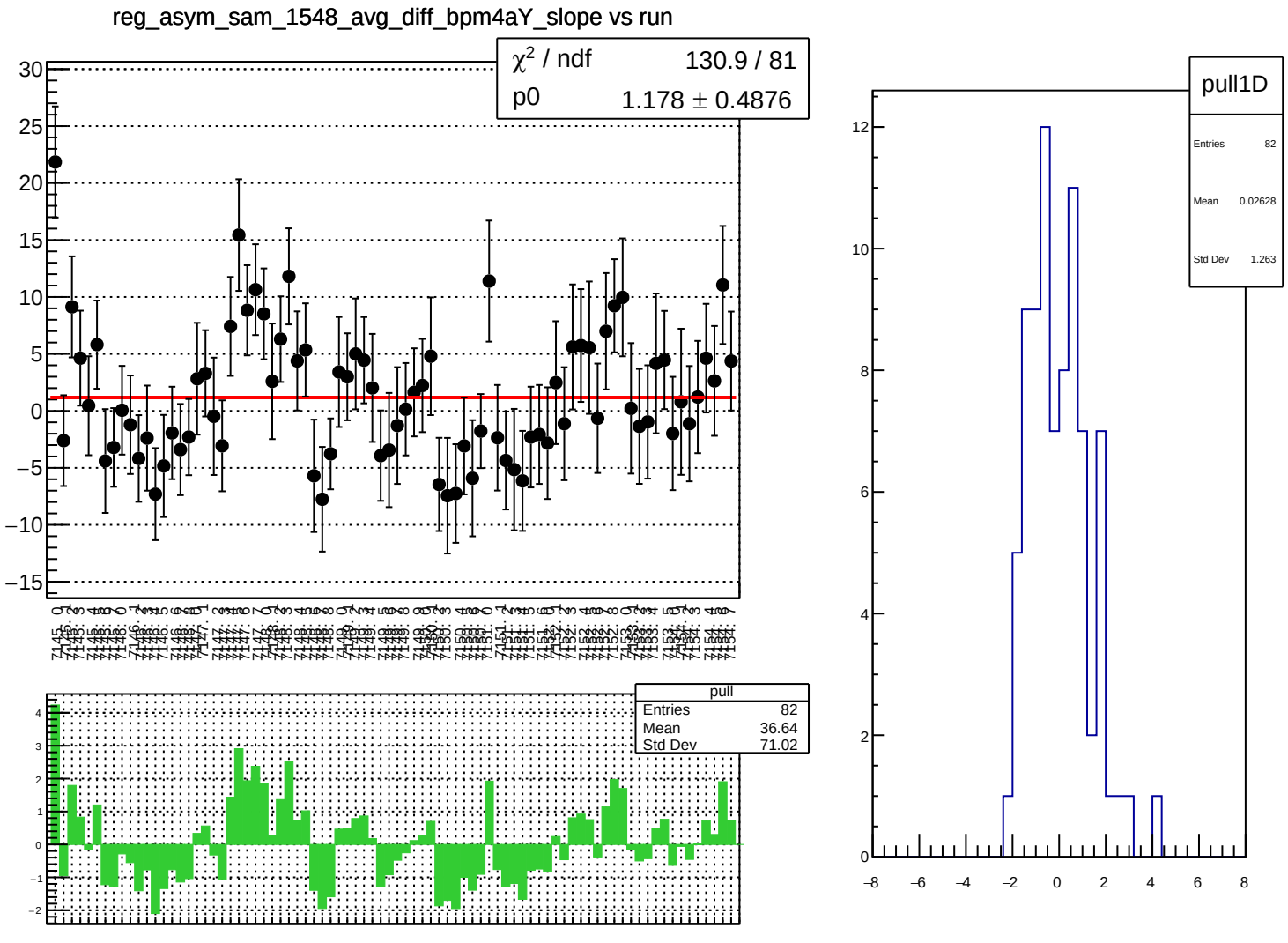

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 295 / 81
p0 11.89 ± 0.4252
pull
Entries 82
Mean 99.72
Std Dev 61.43
pull1D
Entries 82
Mean 0.09249
Std Dev 1.894

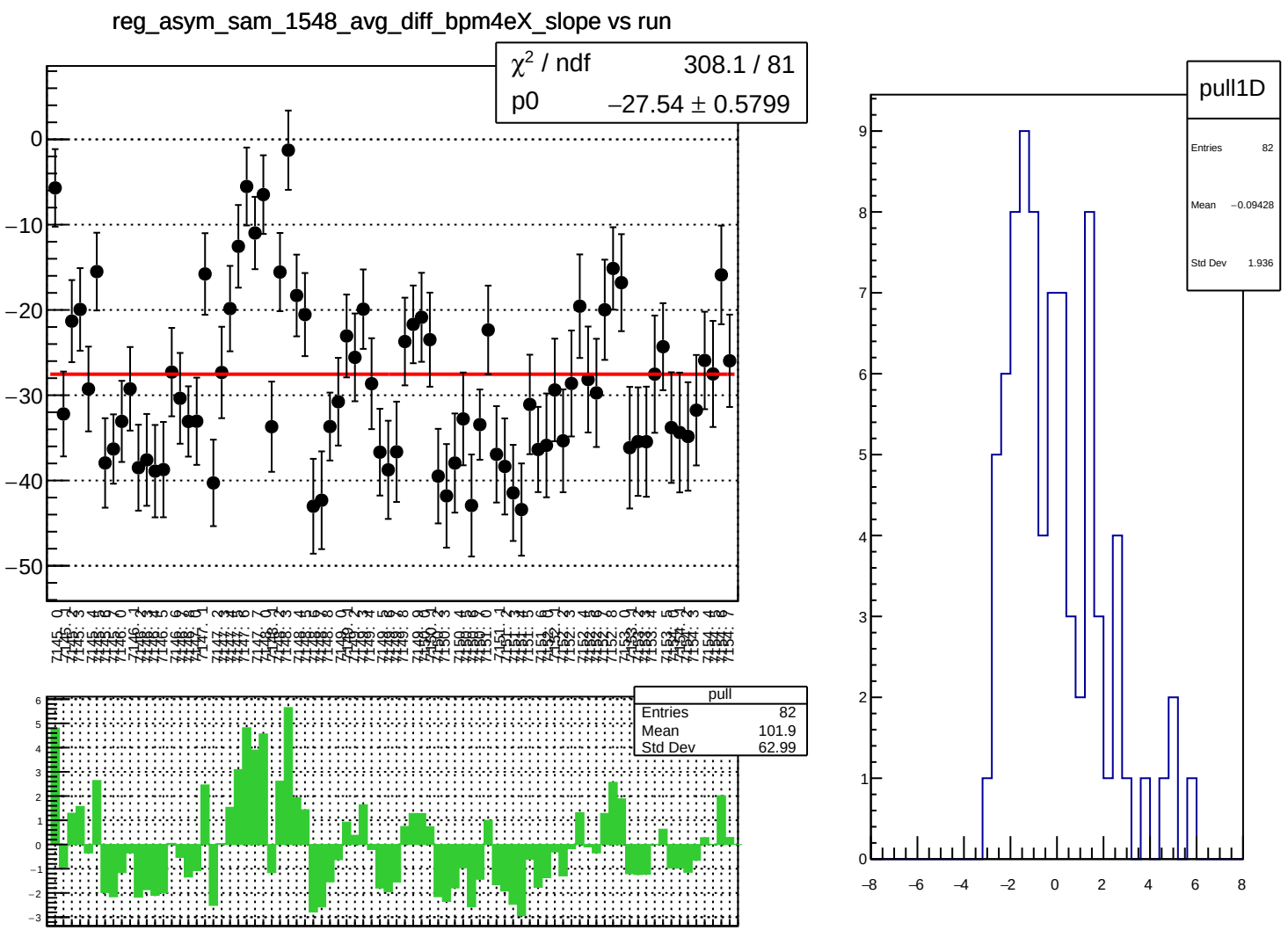

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 131.3 / 81
p0 −63.96 ± 0.3902
pull
Entries 82
Mean 230.4
Std Dev 180.4
pull1D
Entries 82
Mean 0.0556
Std Dev 1.264

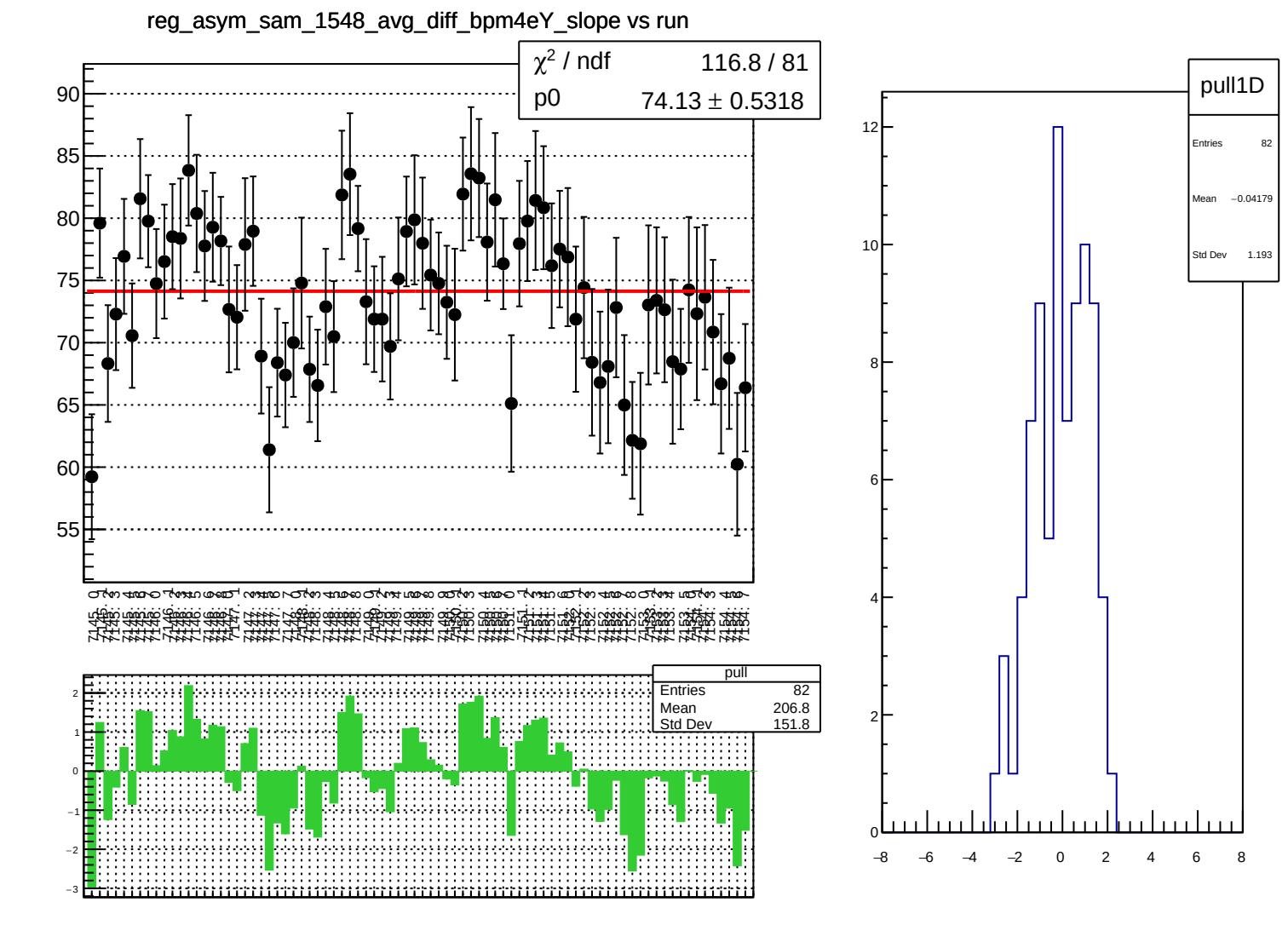

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 157.6 / 81
p0 0.3345 ± 0.01721
pull
Entries 82
Mean 303
Std Dev 259.8
pull1D
Entries 82
Mean 0.1185
Std Dev 1.381

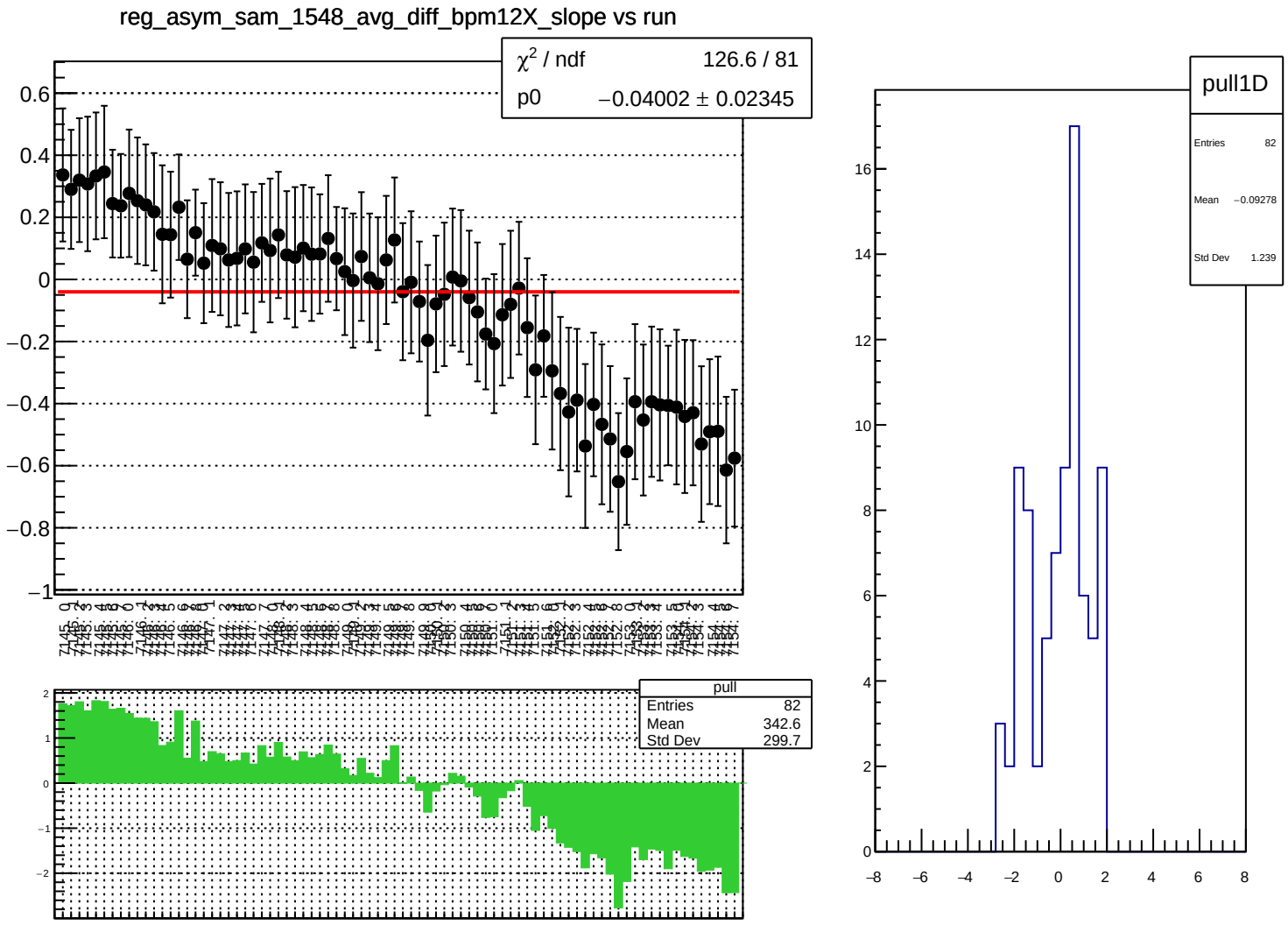

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 341.3 / 81
p0 −20.5 ± 0.5664
pull
Entries 82
Mean 96.8
Std Dev 59.2

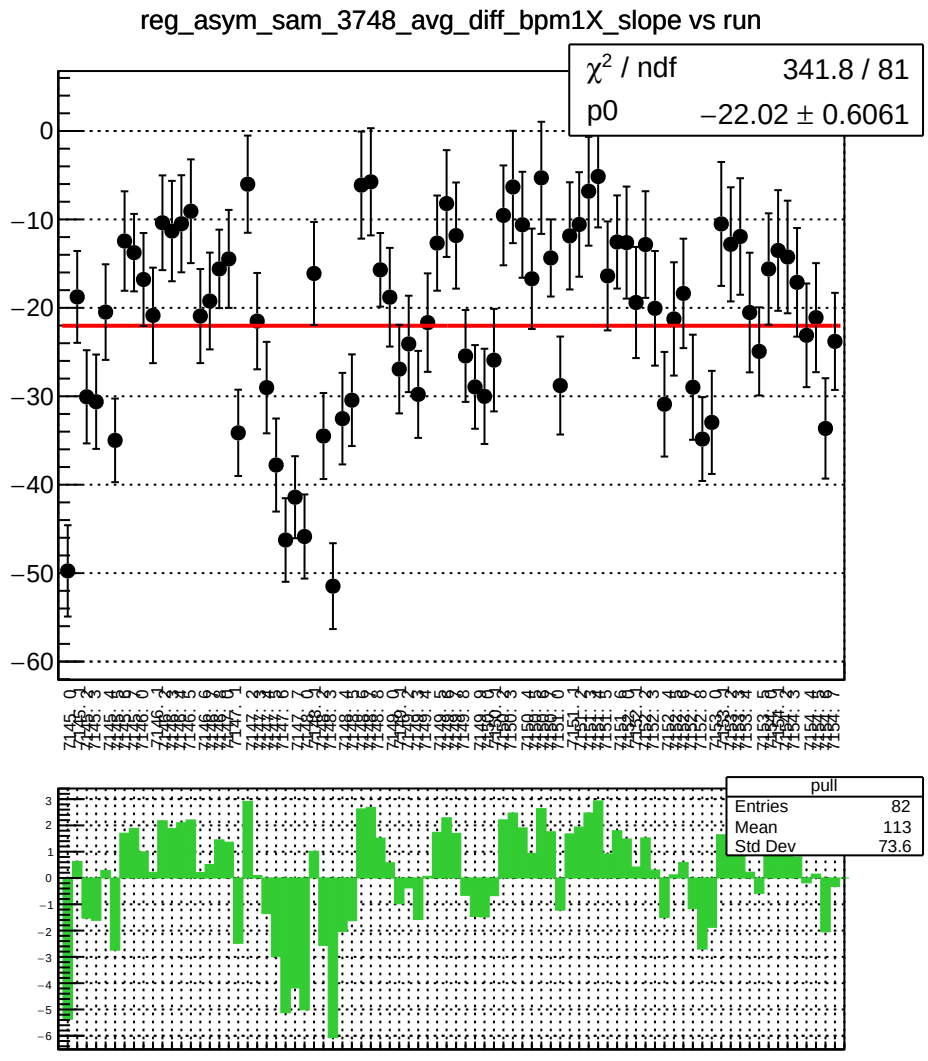

pull1D
Entries 82
Mean 0.09301
Std Dev 2.038

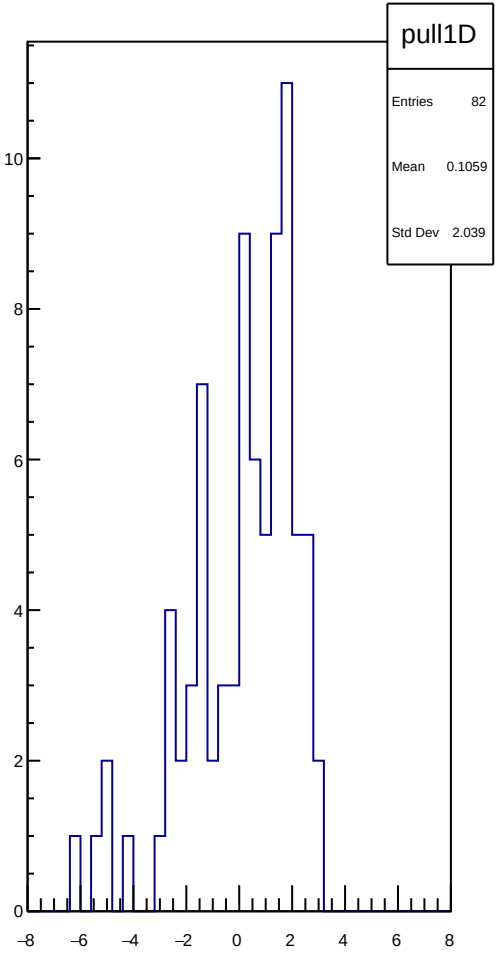

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 130.9 / 81
p0 1.178 ± 0.4876
pull
Entries 82
Mean 36.64
Std Dev 71.02
pull1D
Entries 82
Mean 0.02628
Std Dev 1.263

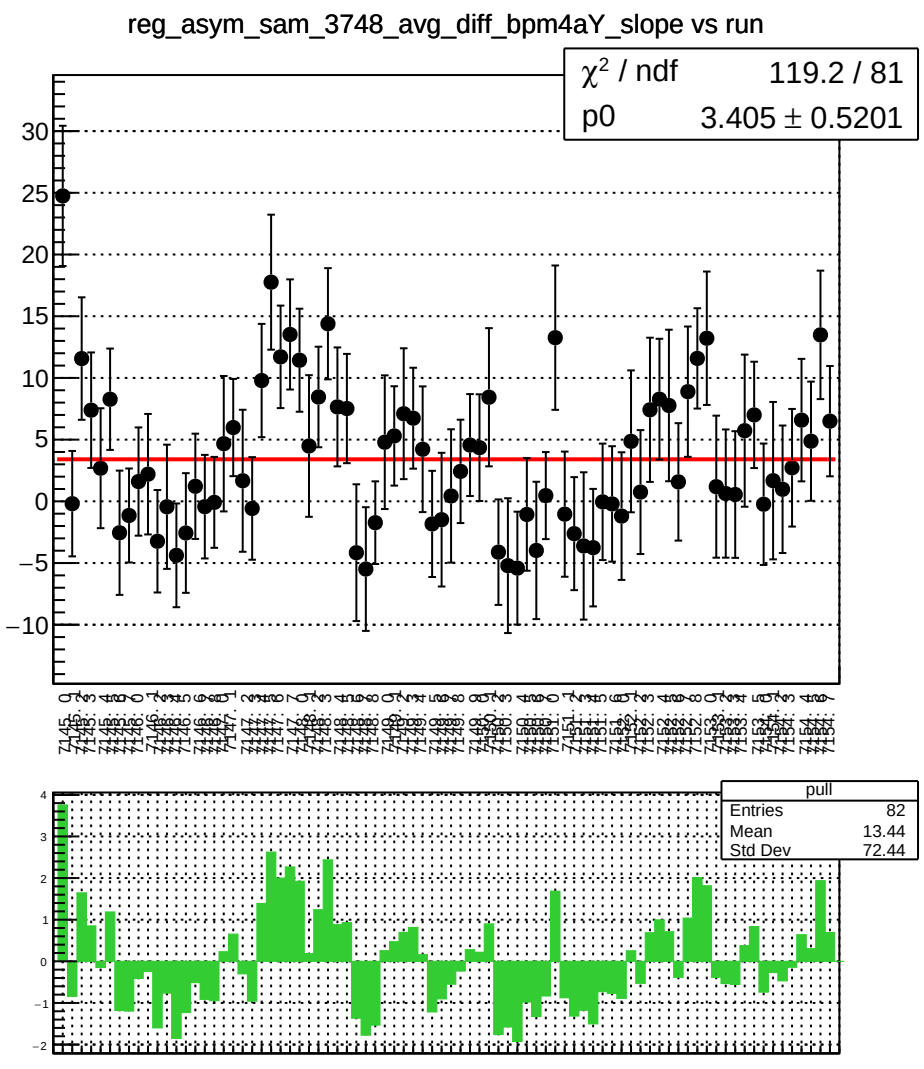

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 308.1 / 81
p0 −27.54 ± 0.5799
pull
Entries 82
Mean 101.9
Std Dev 62.99
pull1D
Entries 82
Mean −0.09428
Std Dev 1.936

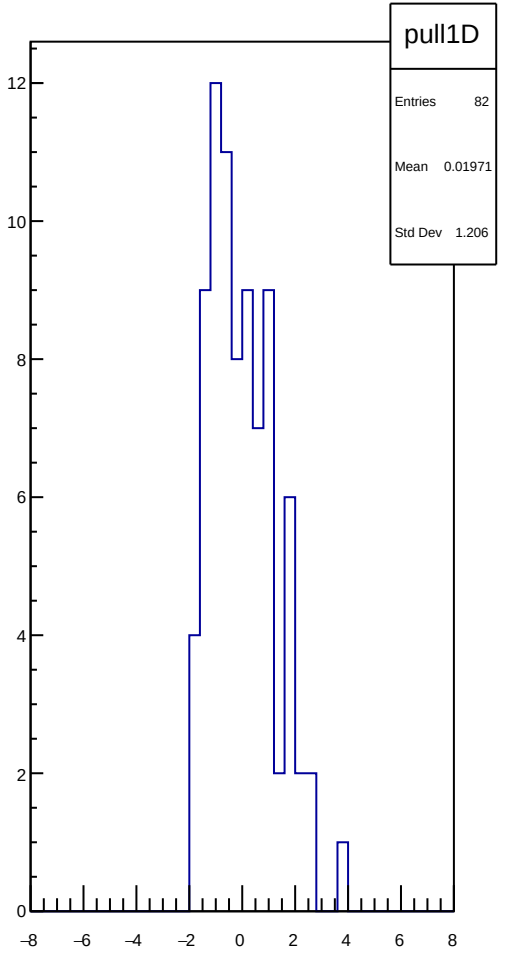

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.8 / 81
p0 74.13 ± 0.5318
pull
Entries 82
Mean 206.8
Std Dev 151.8
pull1D
Entries 82
Mean −0.04179
Std Dev 1.193

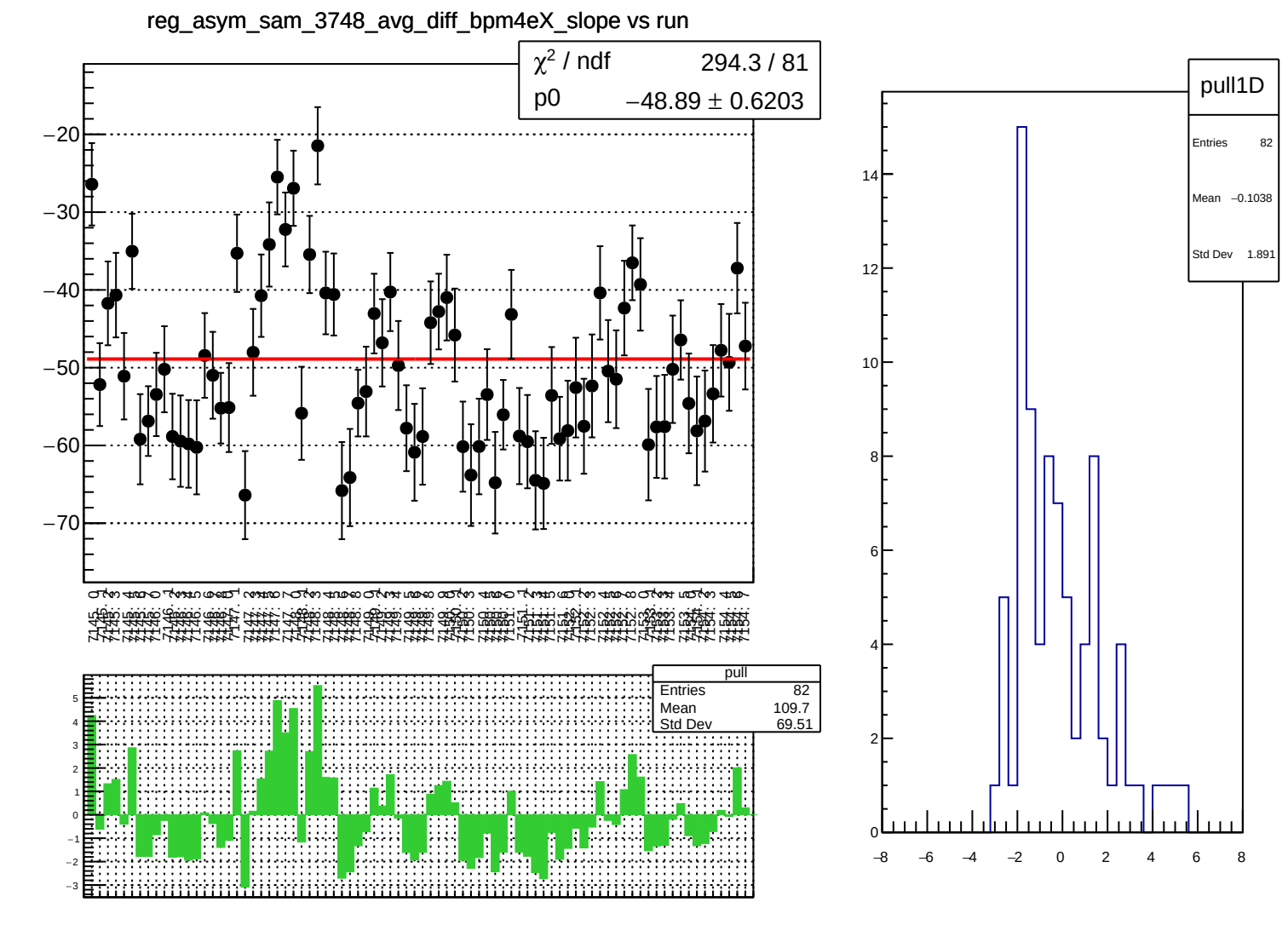

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 126.6 / 81
p0 −0.04002 ± 0.02345
pull
Entries 82
Mean 342.6
Std Dev 299.7
pull1D
Entries 82
Mean −0.09278
Std Dev 1.239

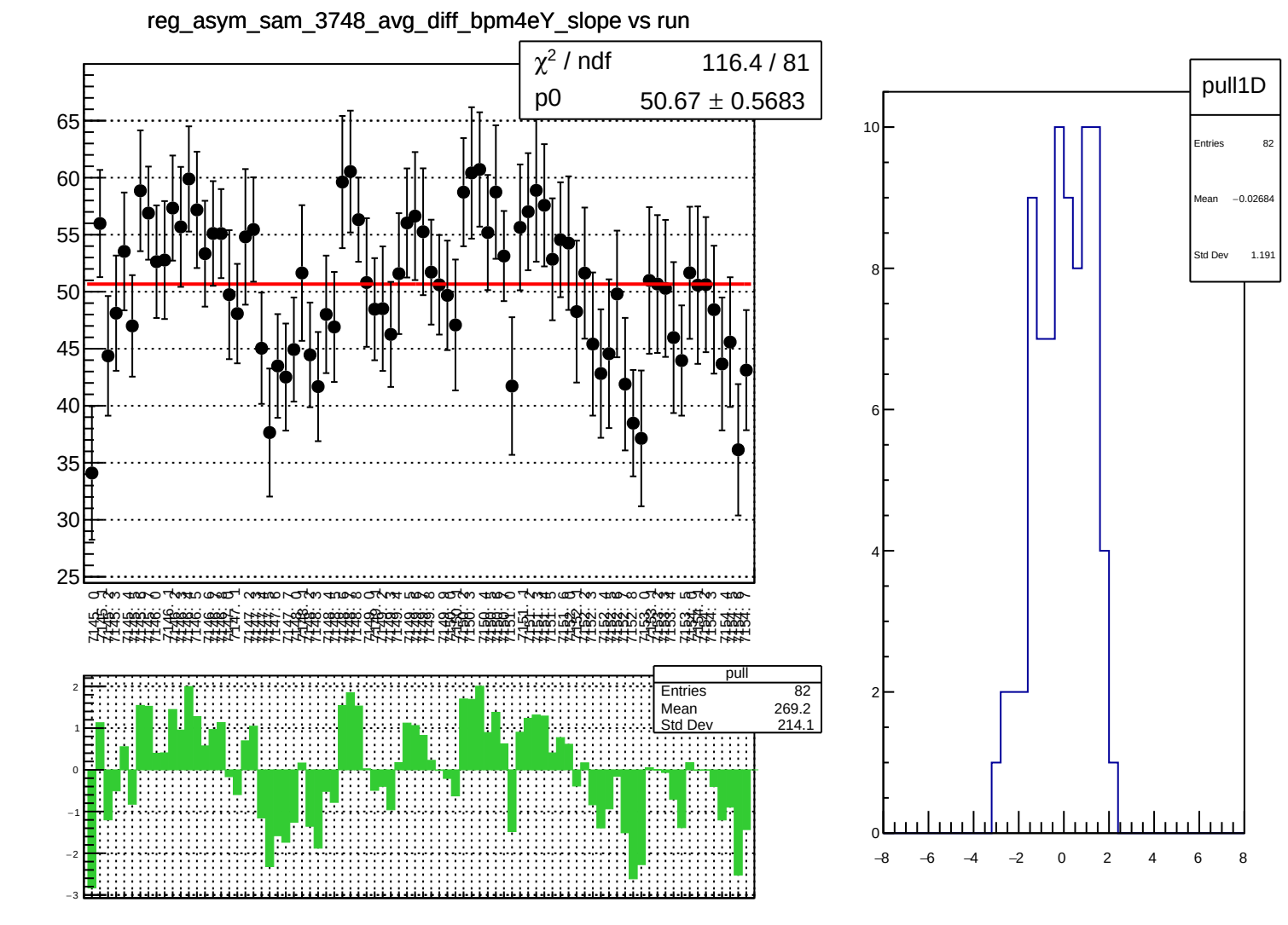

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 341.8 / 81
p0 −22.02 ± 0.6061
pull
Entries 82
Mean 113
Std Dev 73.6

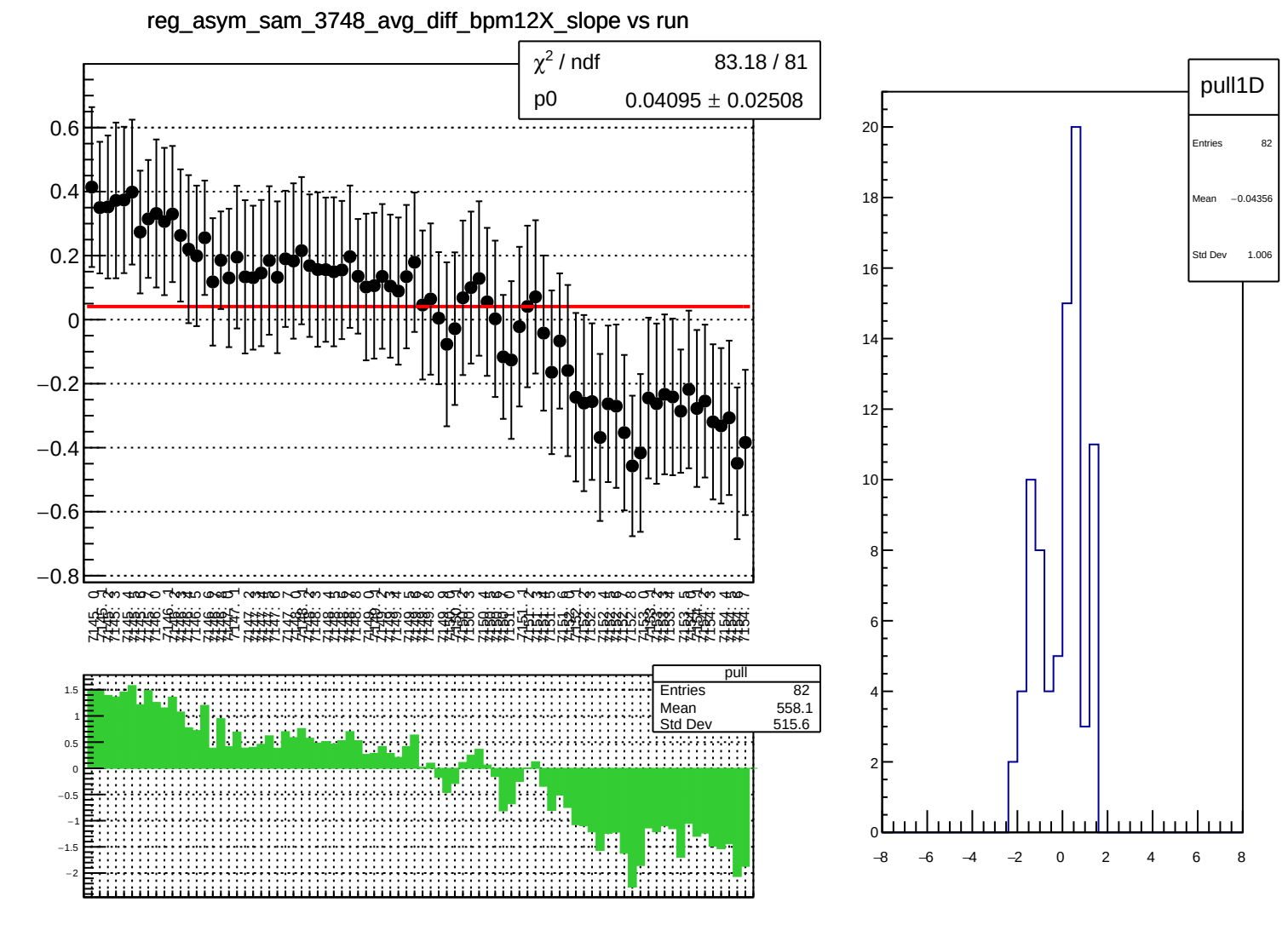

pull1D
Entries 82
Mean 0.1059
Std Dev 2.039

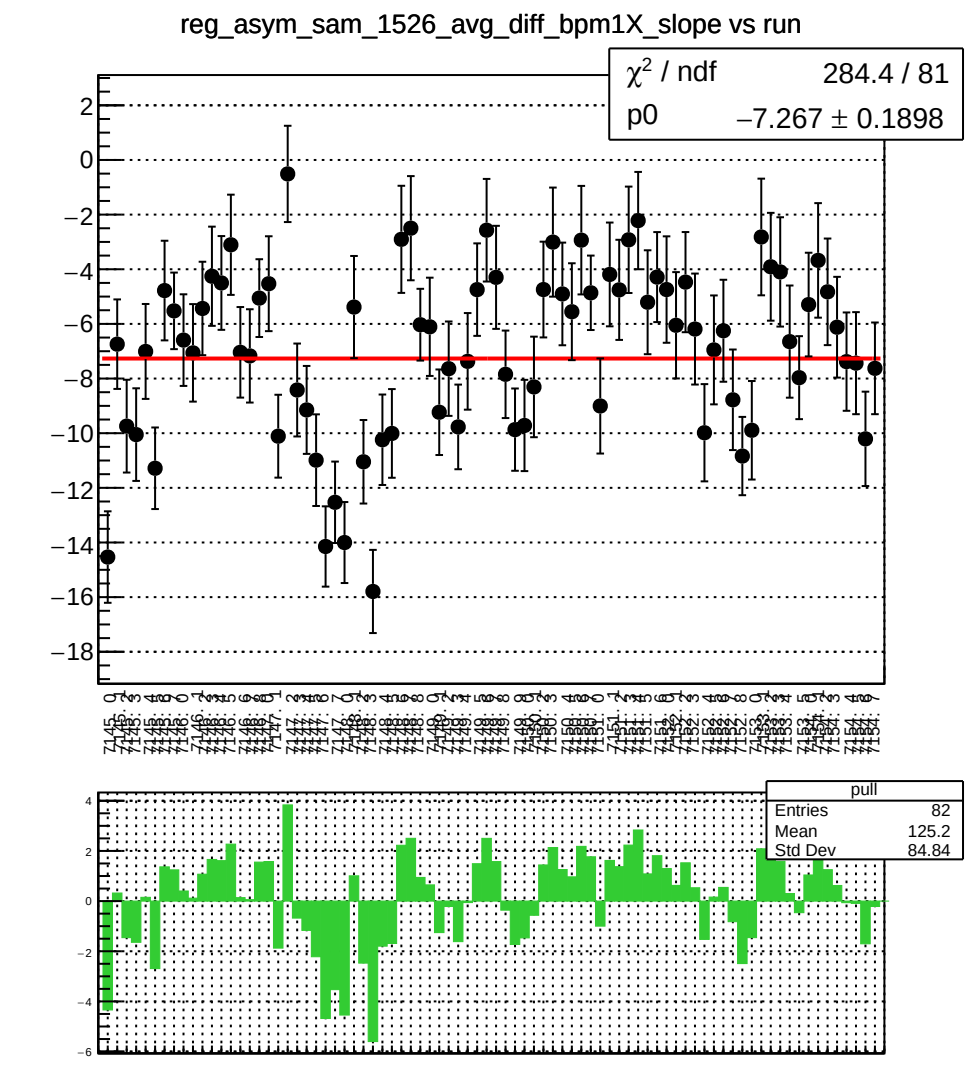

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 119.2 / 81
p0 3.405 ± 0.5201
pull
Entries 82
Mean 13.44
Std Dev 72.44

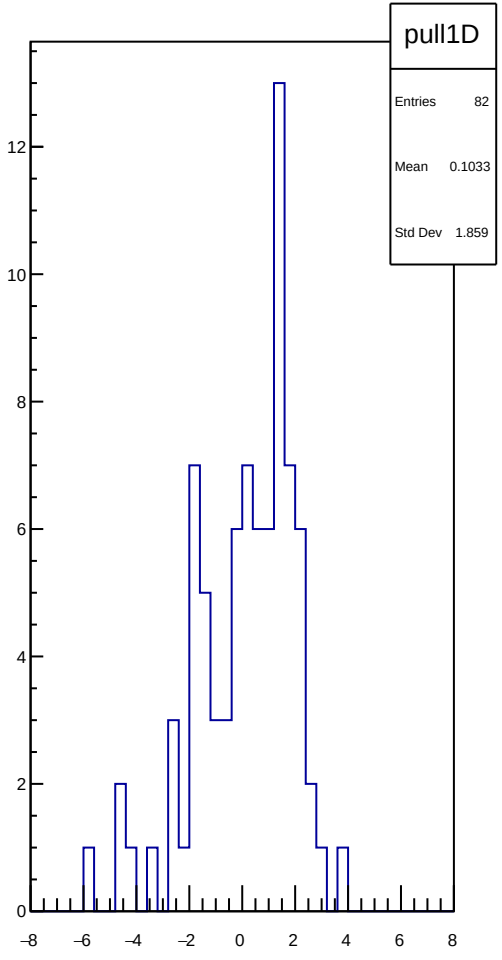

pull1D
Entries 82
Mean 0.01971
Std Dev 1.206

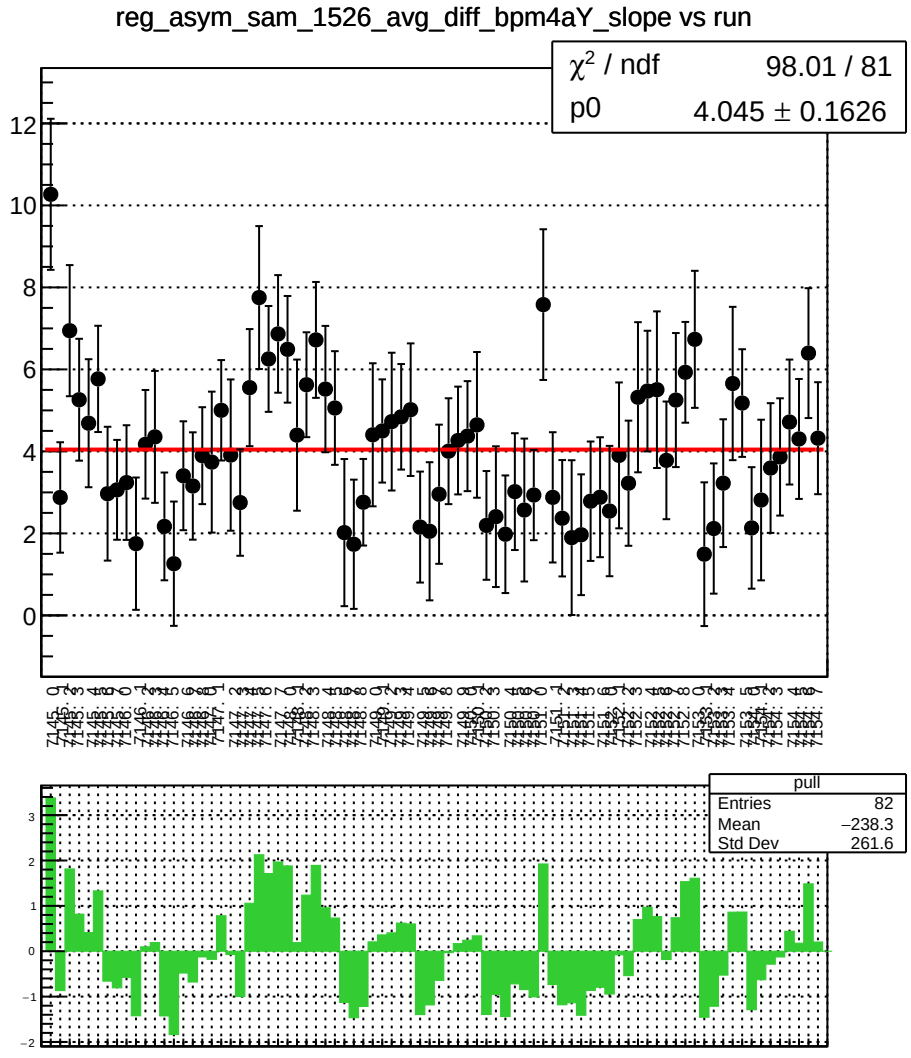

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 294.3 / 81
p0 −48.89 ± 0.6203
pull
Entries 82
Mean 109.7
Std Dev 69.51
pull1D
Entries 82
Mean −0.1038
Std Dev 1.891

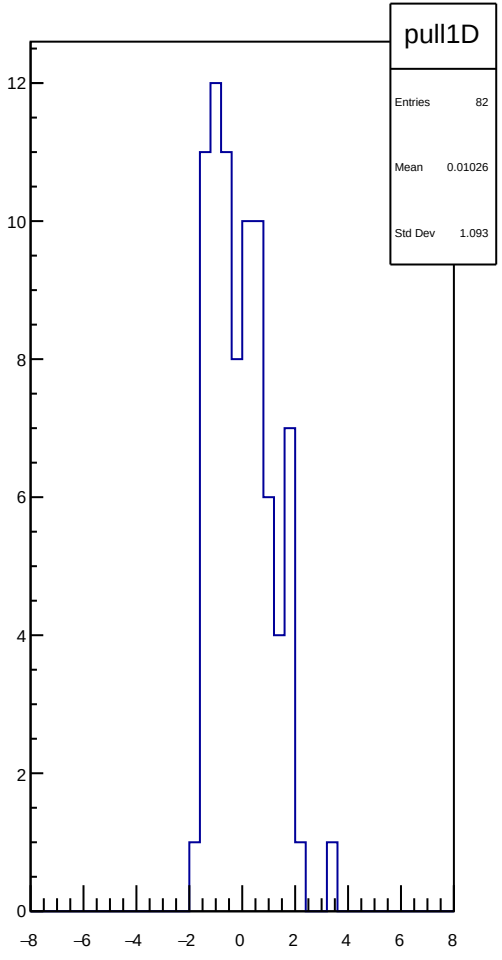

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.4 / 81
p0 50.67 ± 0.5683
pull
Entries 82
Mean 269.2
Std Dev 214.1
pull1D
Entries 82
Mean −0.02684
Std Dev 1.191

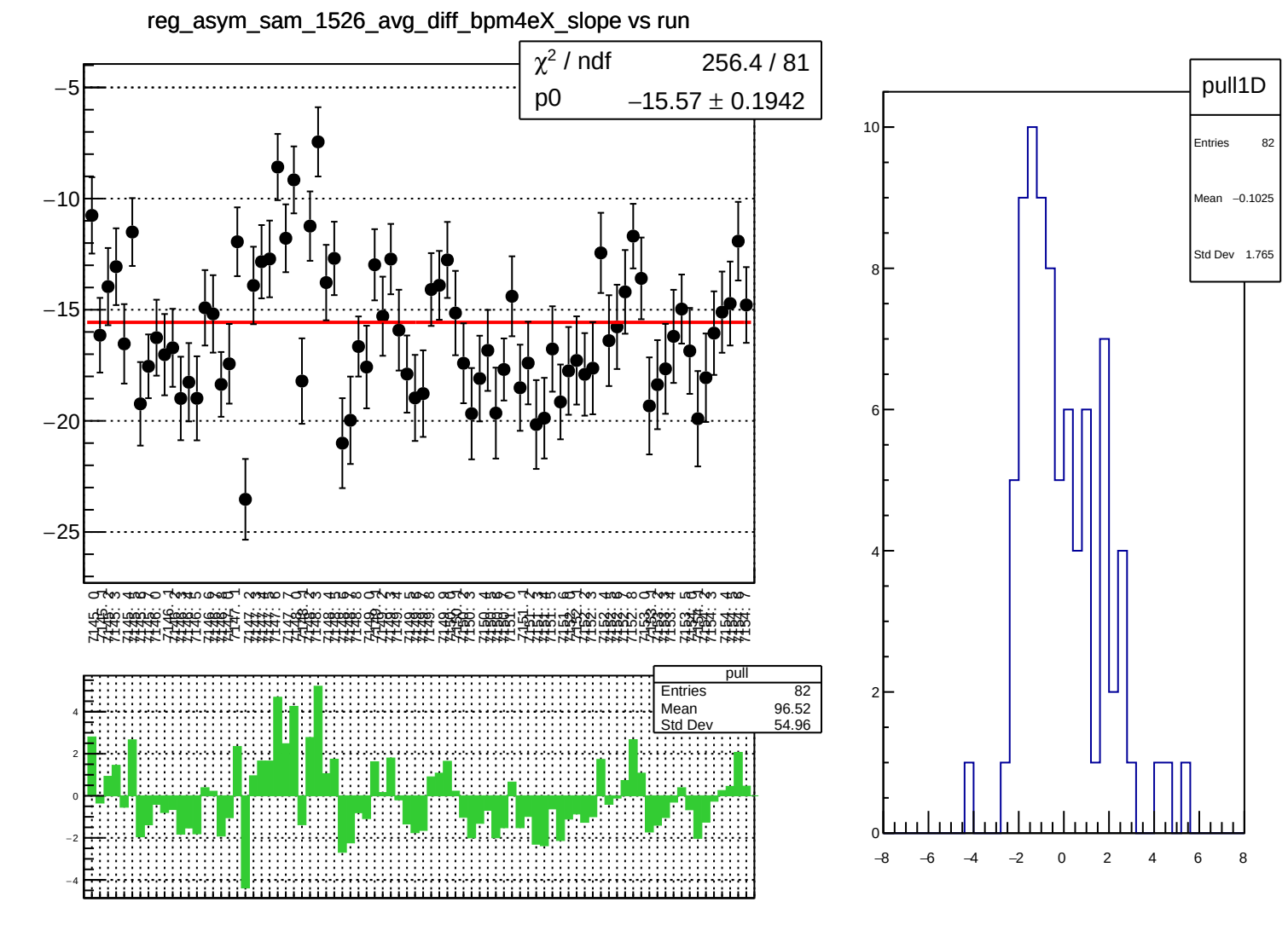

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 83.18 / 81
p0 0.04095 ± 0.02508
pull
Entries 82
Mean 558.1
Std Dev 515.6
pull1D
Entries 82
Mean −0.04356
Std Dev 1.006

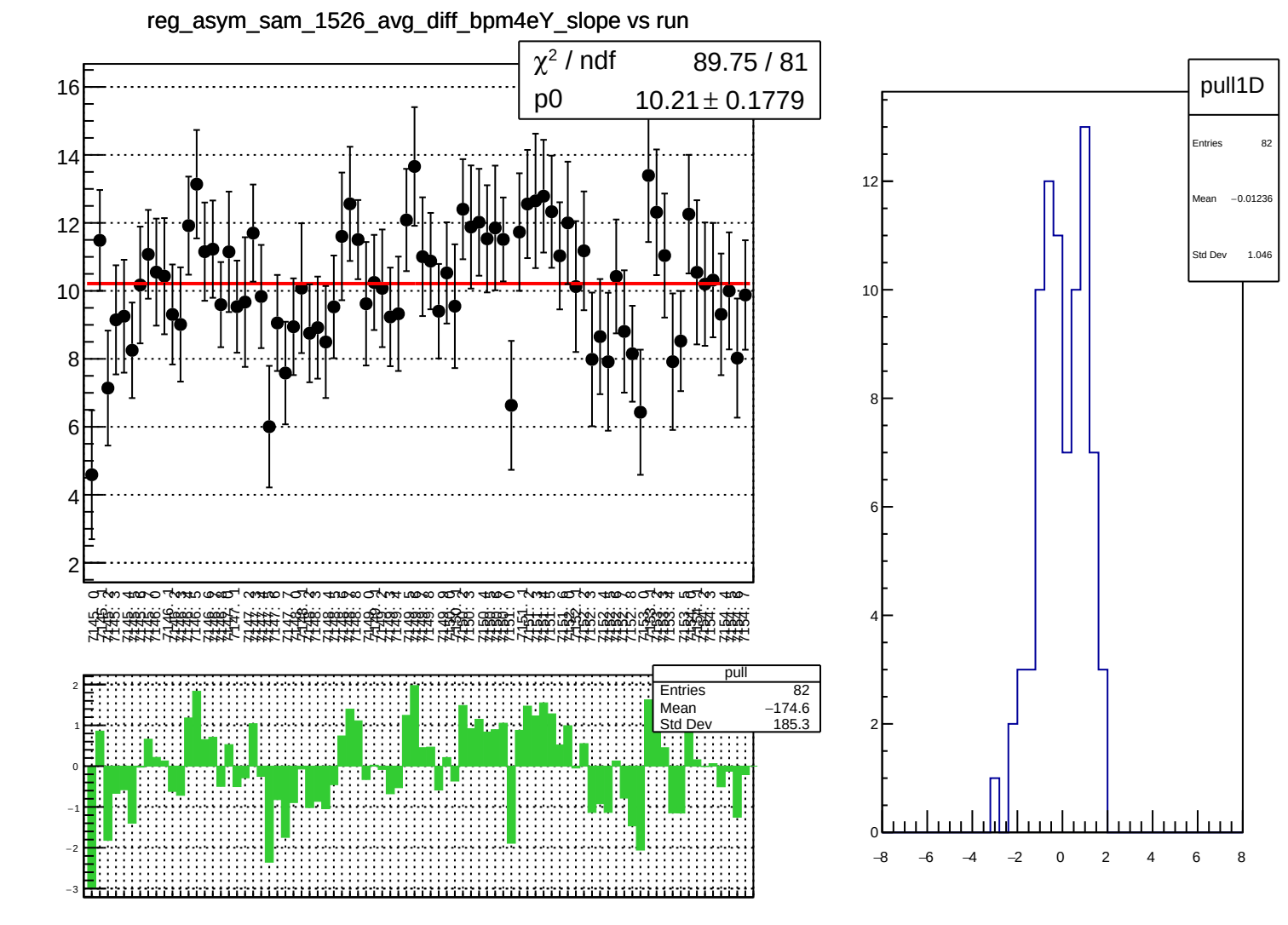

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 284.4 / 81
p0 −7.267 ± 0.1898
pull
Entries 82
Mean 125.2
Std Dev 84.84

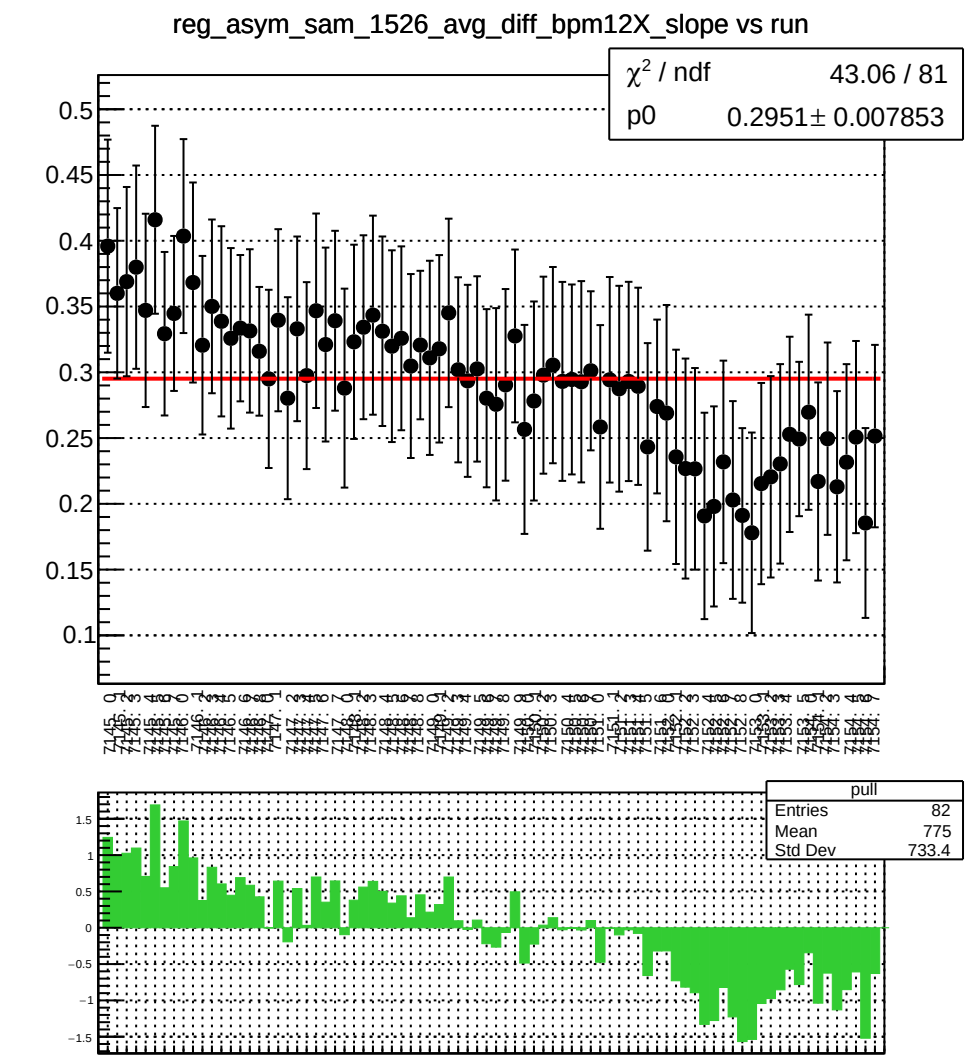

pull1D
Entries 82
Mean 0.1033
Std Dev 1.859

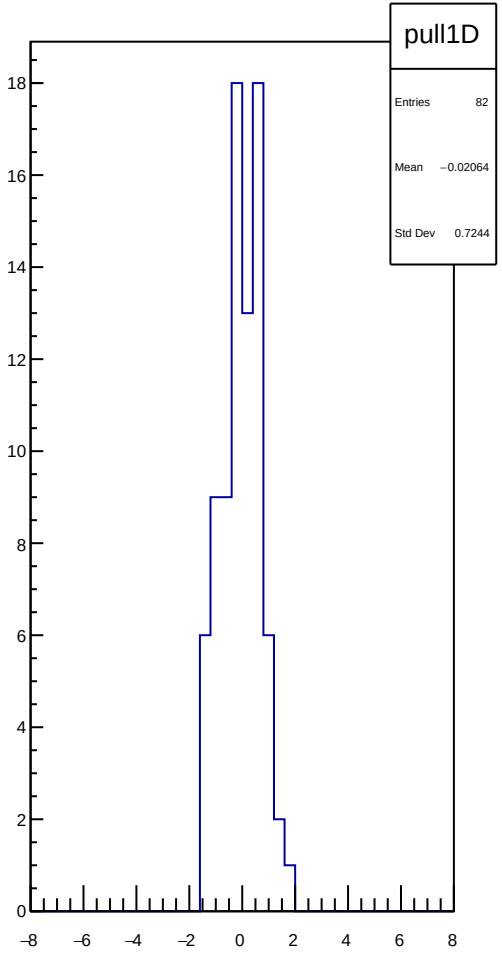

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 98.01 / 81
p0 4.045 ± 0.1626
pull
Entries 82
Mean −238.3
Std Dev 261.6

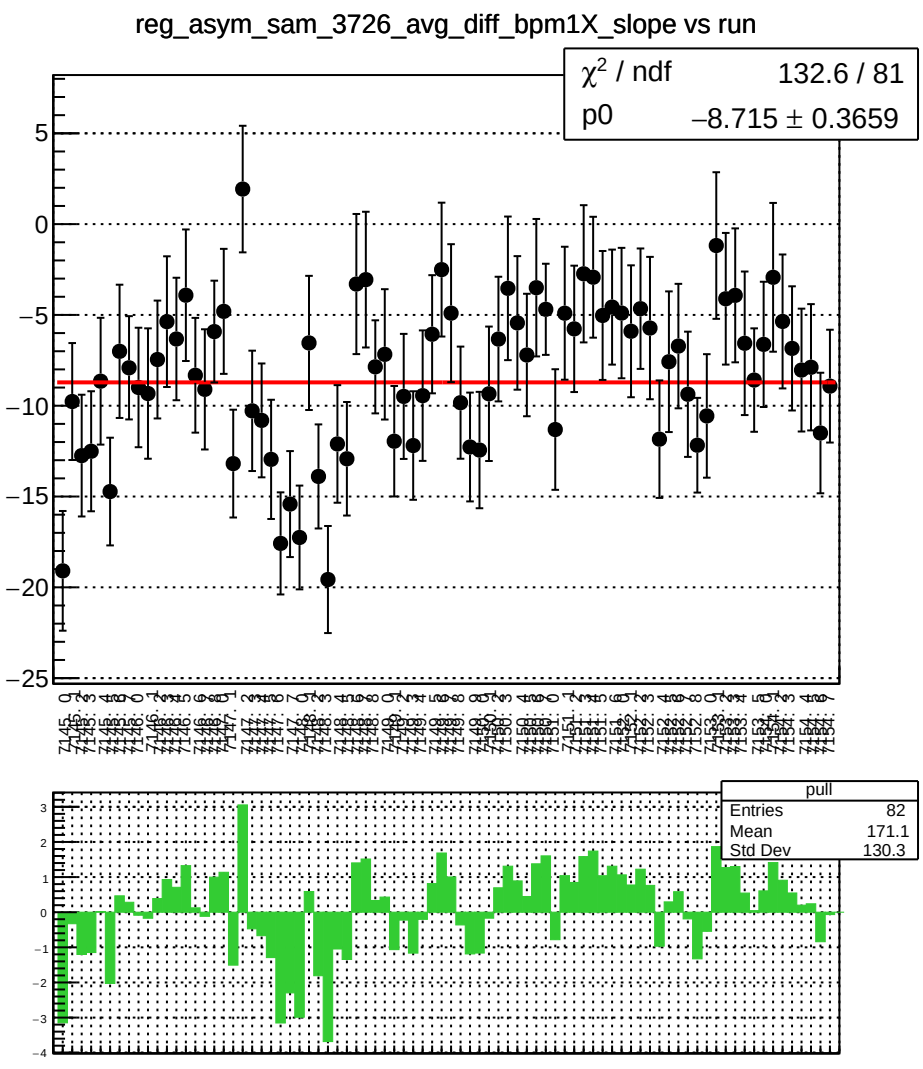

pull1D
Entries 82
Mean 0.01026
Std Dev 1.093

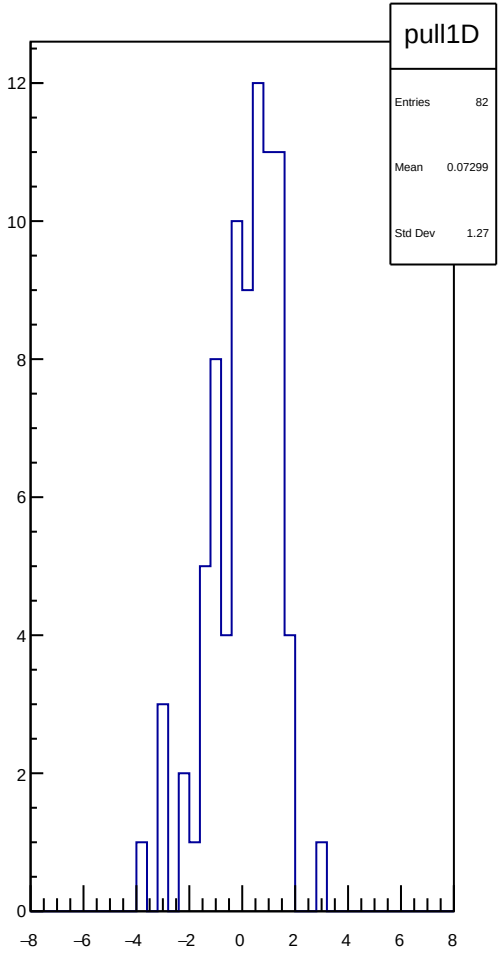

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 256.4 / 81
p0 −15.57 ± 0.1942
pull
Entries 82
Mean 96.52
Std Dev 54.96
pull1D
Entries 82
Mean −0.1025
Std Dev 1.765

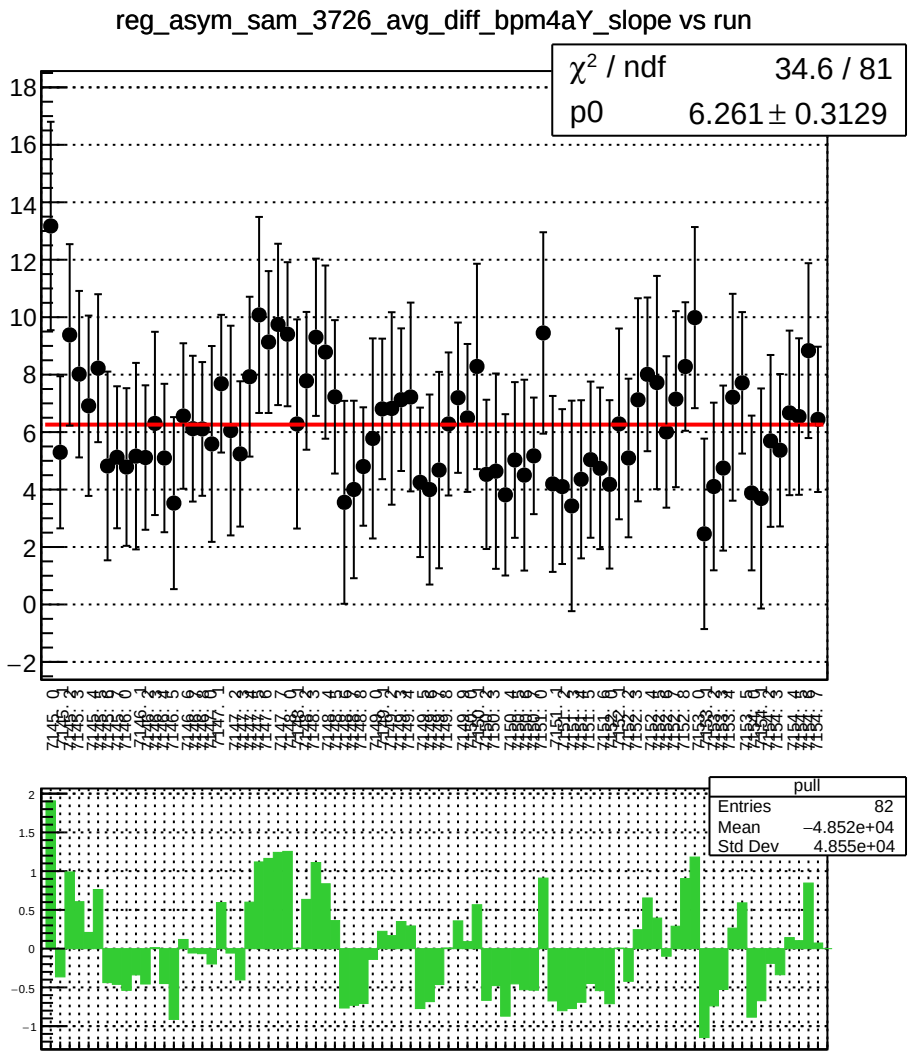

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 89.75 / 81
p0 10.21 ± 0.1779
pull
Entries 82
Mean −174.6
Std Dev 185.3
pull1D
Entries 82
Mean −0.01236
Std Dev 1.046

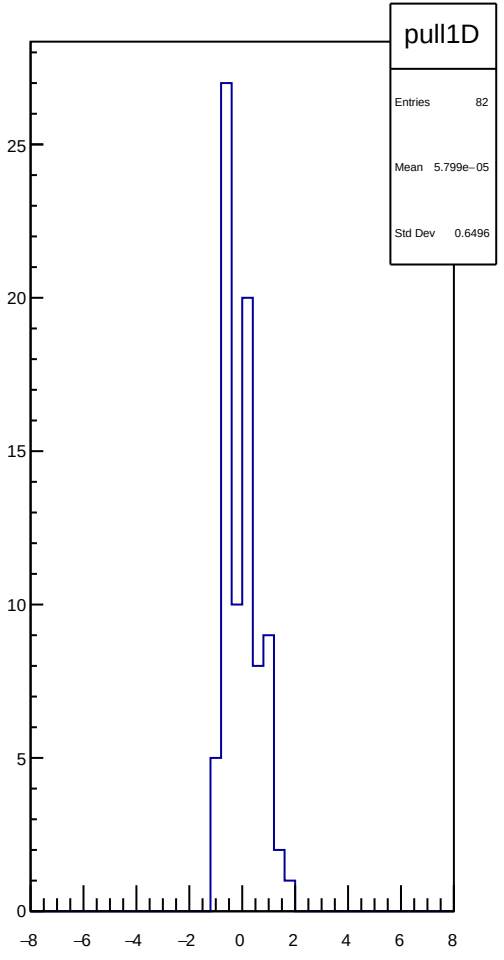

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 43.06 / 81
p0 0.2951± 0.007853
pull
Entries 82
Mean 775
Std Dev 733.4

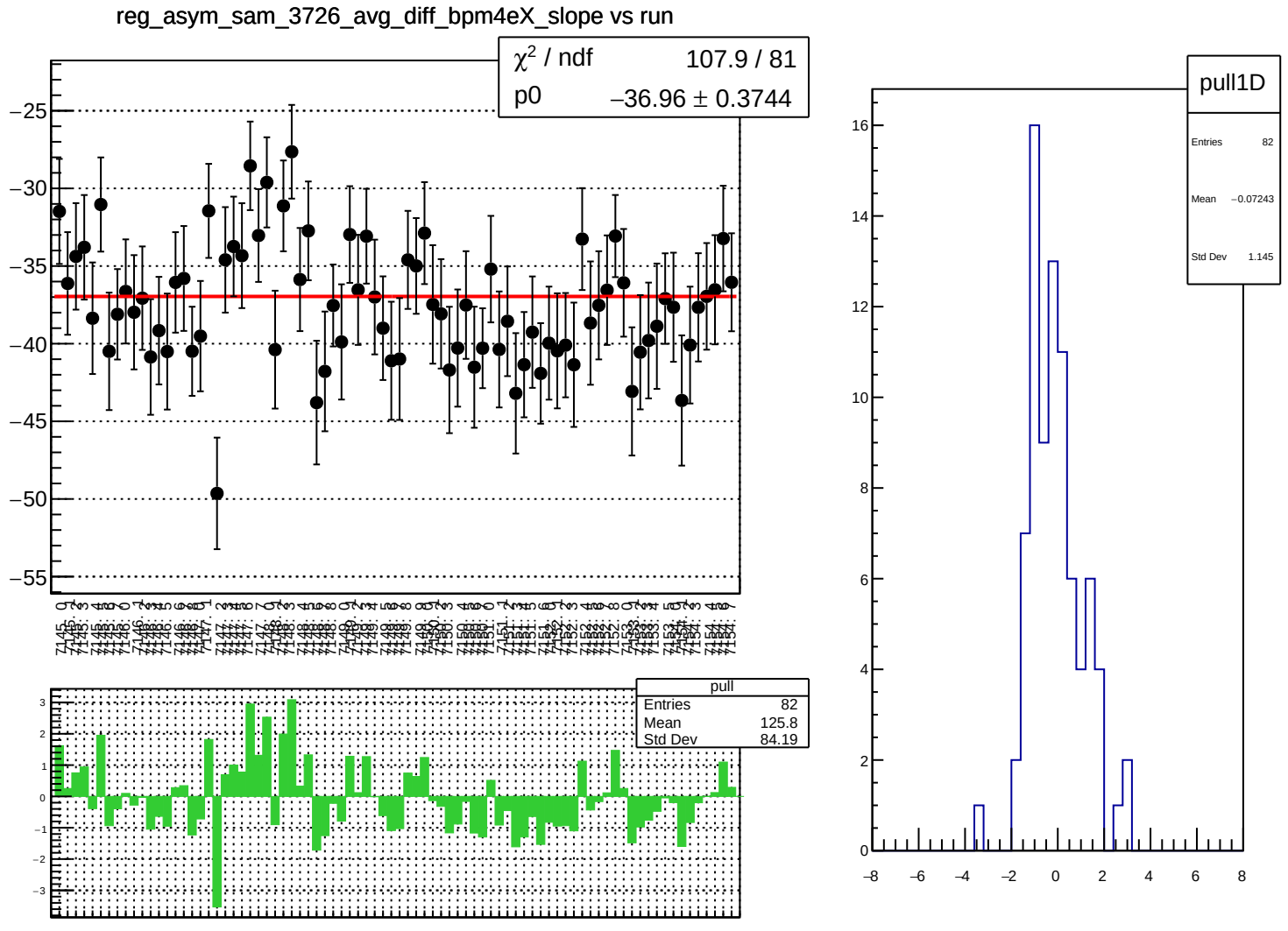

pull1D
Entries 82
Mean −0.02064
Std Dev 0.7244

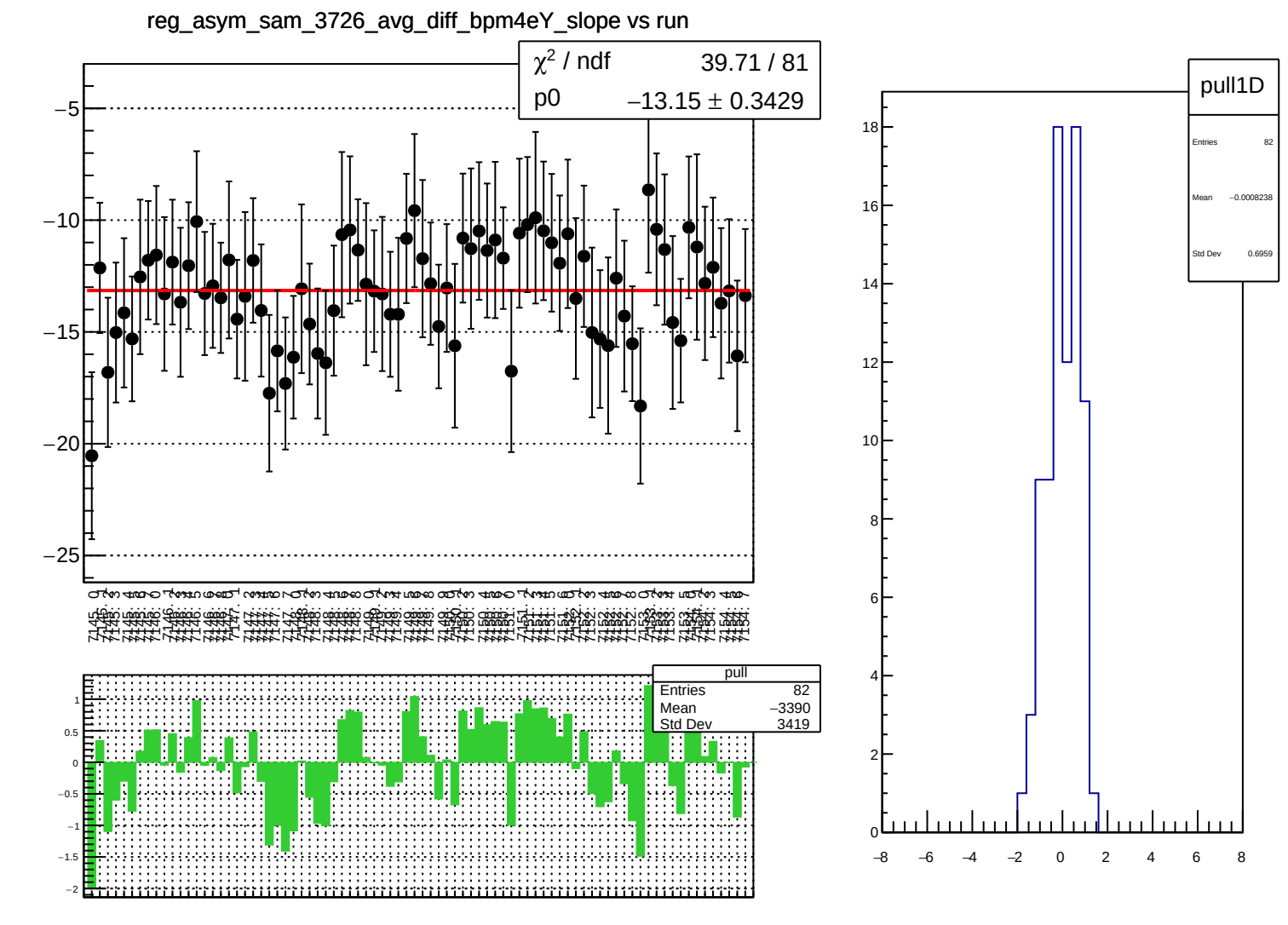

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 132.6 / 81
p0 −8.715 ± 0.3659
pull
Entries 82
Mean 171.1
Std Dev 130.3

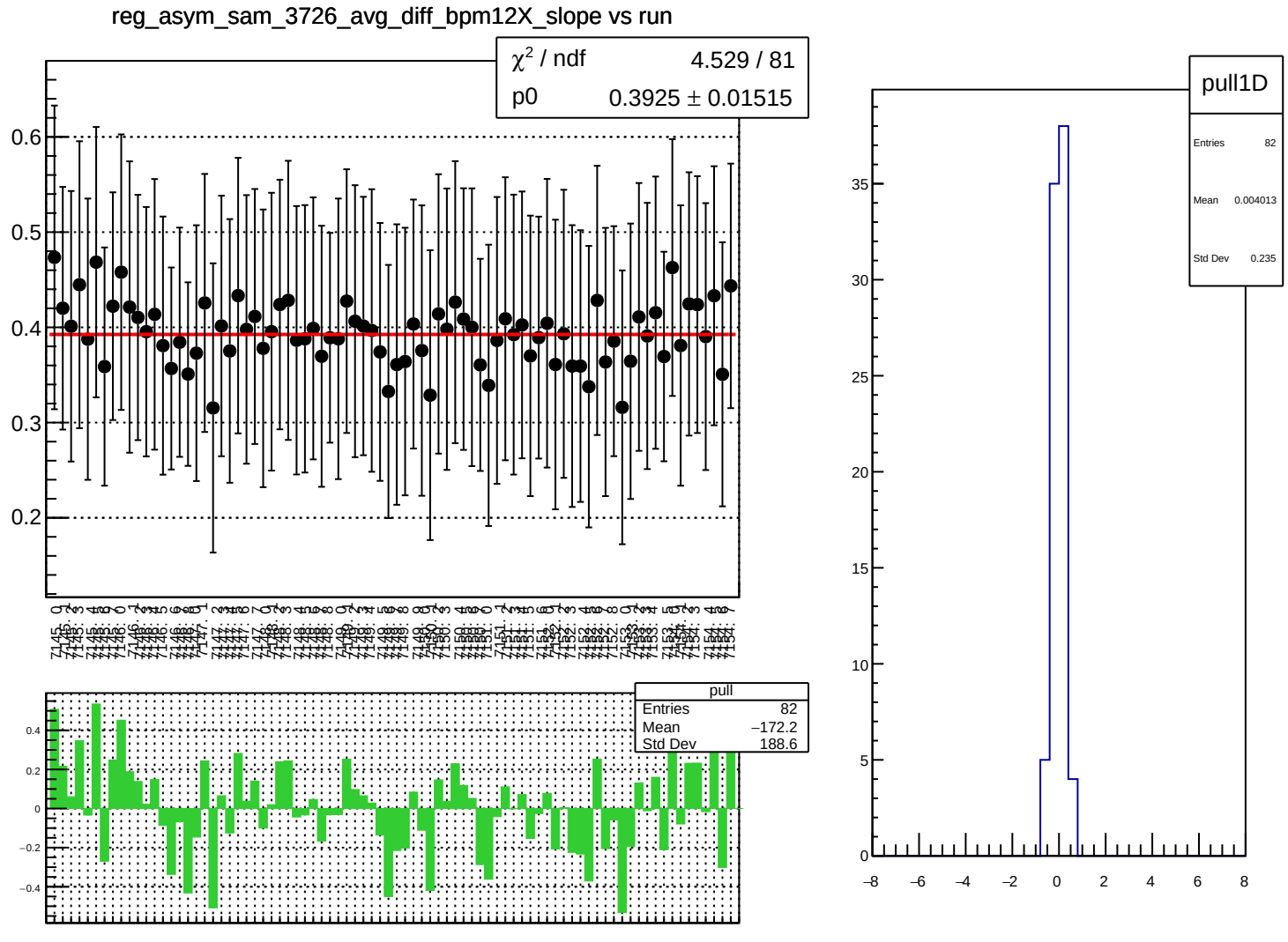

pull1D
Entries 82
Mean 0.07299
Std Dev 1.27

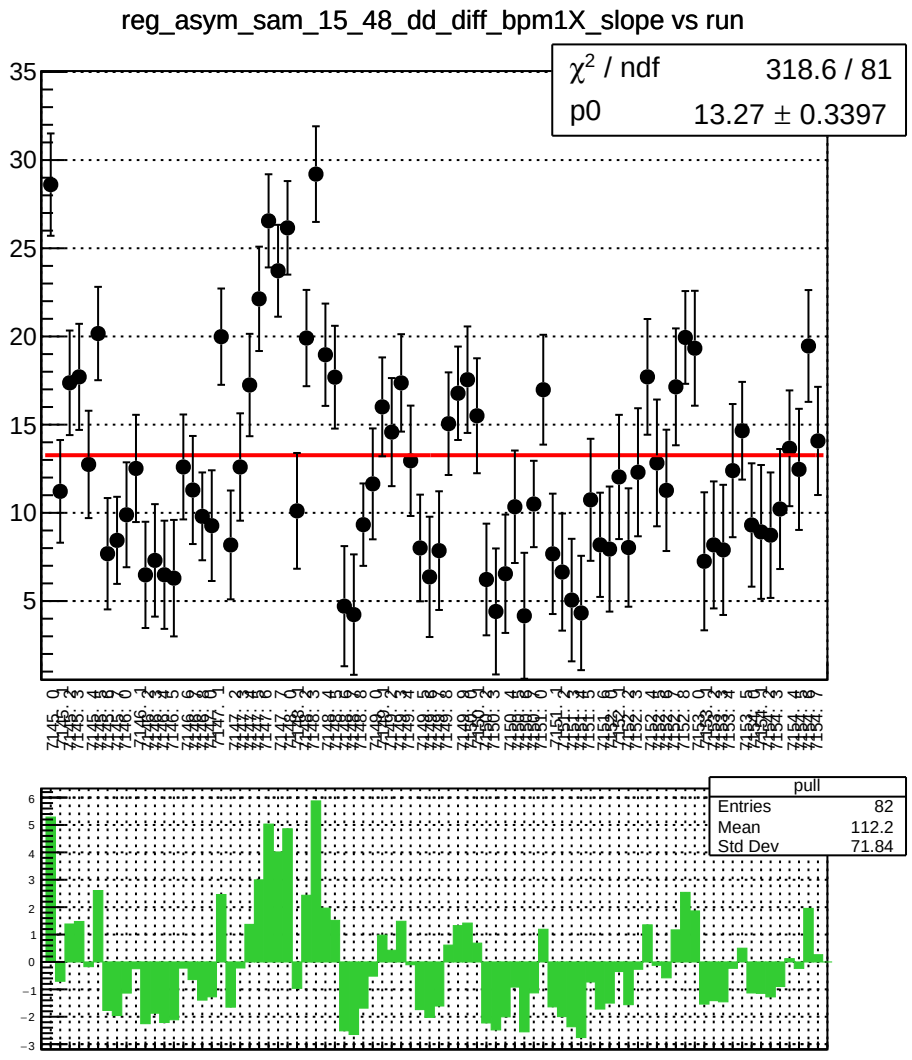

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.6 / 81
p0 6.261 ± 0.3129
pull
Entries 82
Mean −4.852e+04
Std Dev 4.855e+04

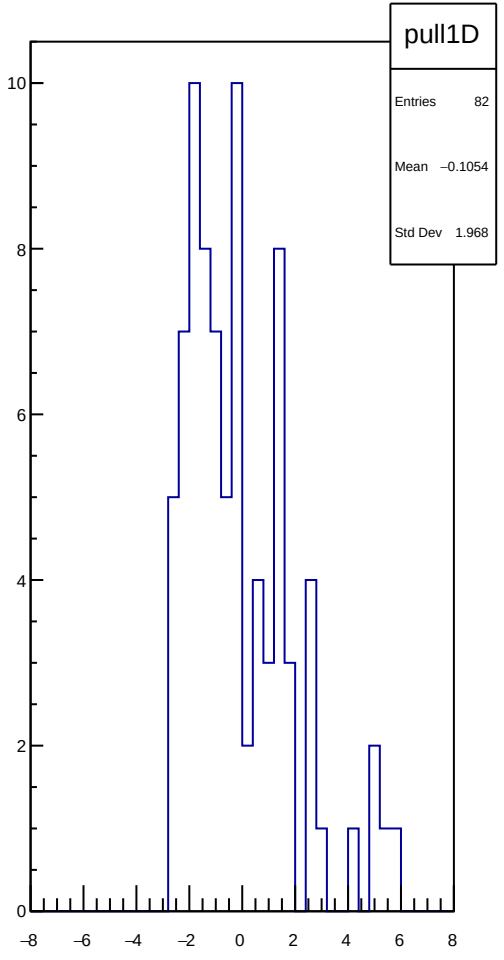

pull1D
Entries 82
Mean 5.799e−05
Std Dev 0.6496

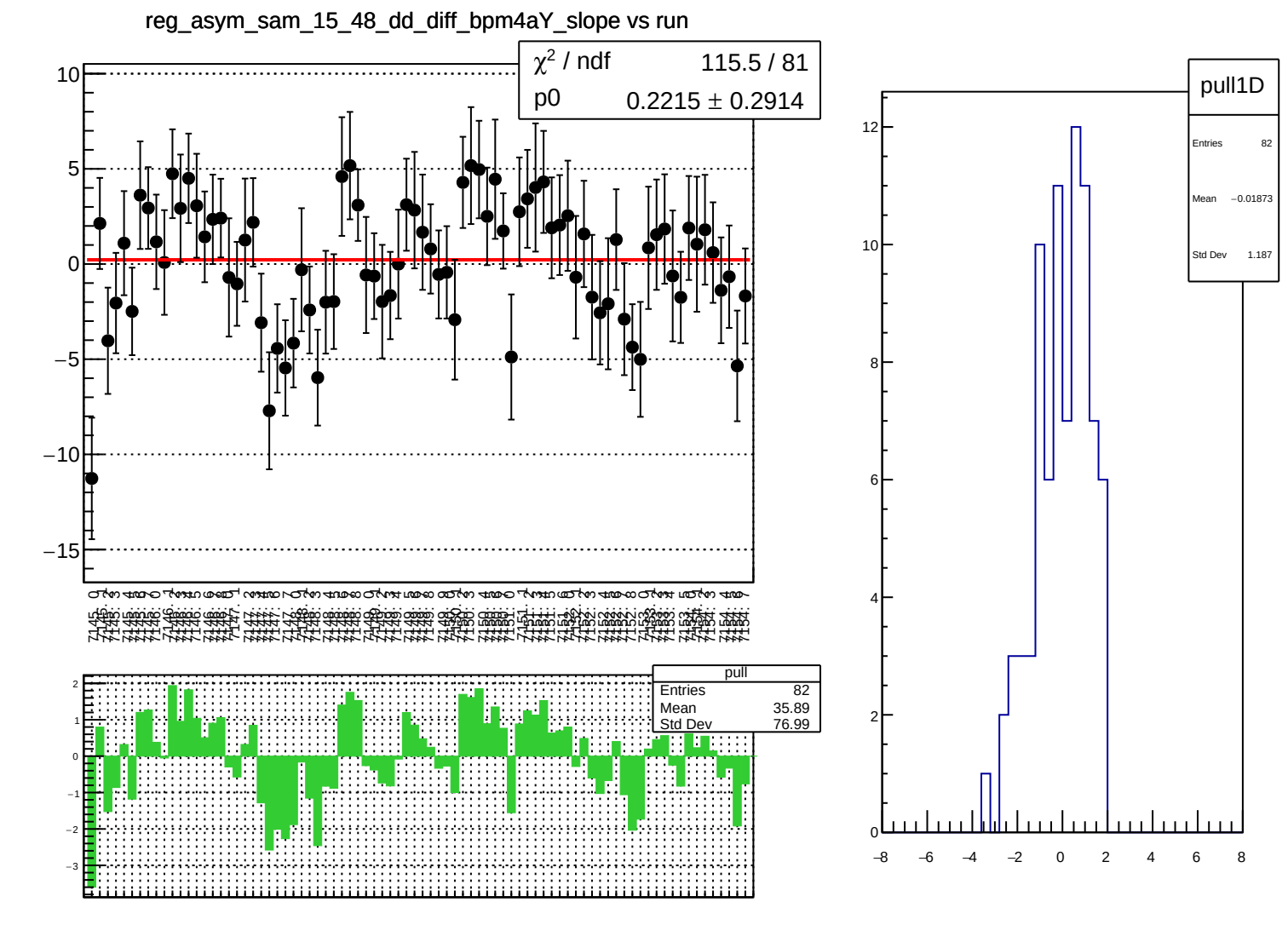

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 107.9 / 81
p0 −36.96 ± 0.3744
pull
Entries 82
Mean 125.8
Std Dev 84.19
pull1D
Entries 82
Mean −0.07243
Std Dev 1.145

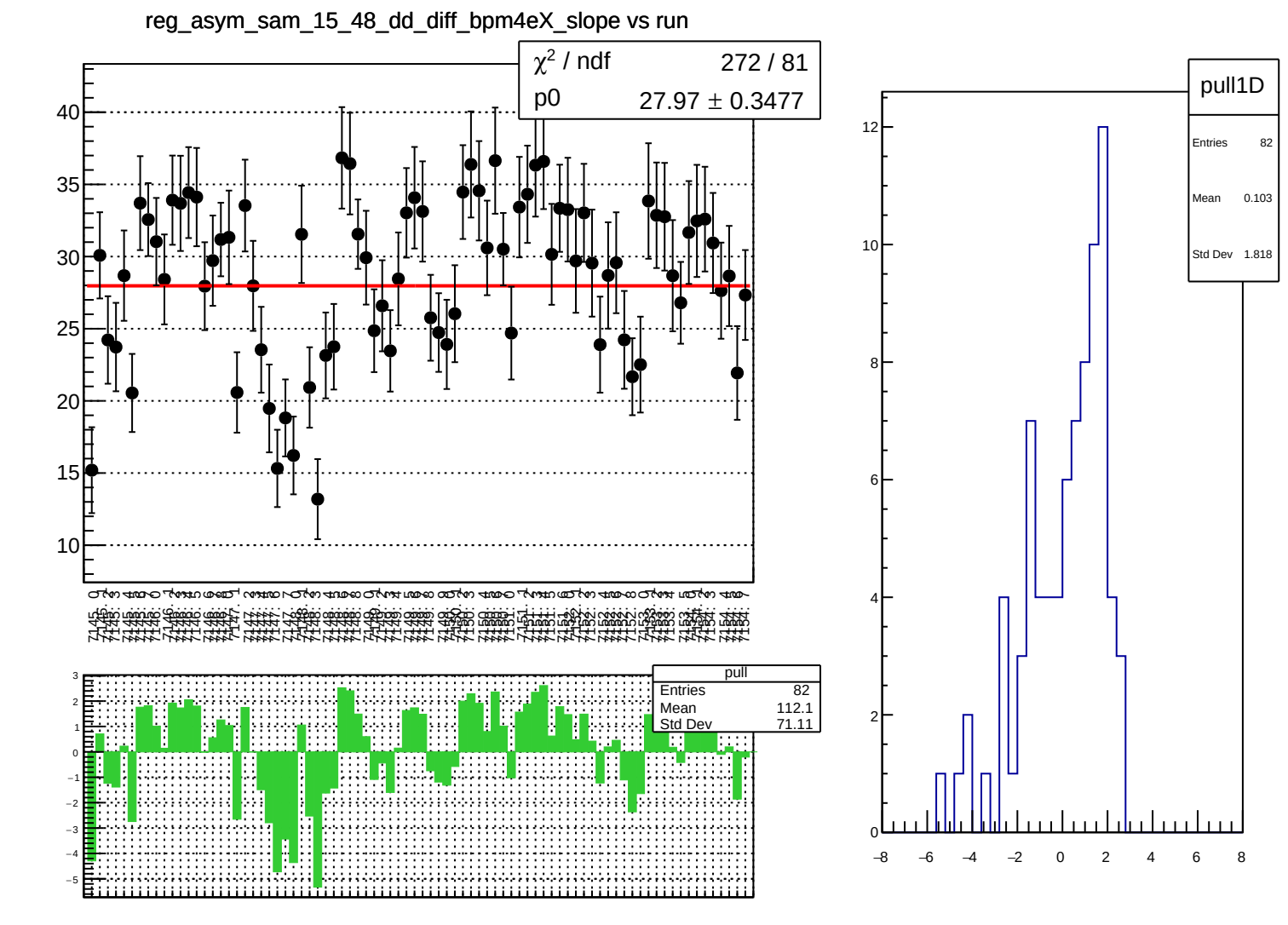

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.71 / 81
p0 −13.15 ± 0.3429
pull
Entries 82
Mean −3390
Std Dev 3419
pull1D
Entries 82
Mean −0.0008238
Std Dev 0.6959

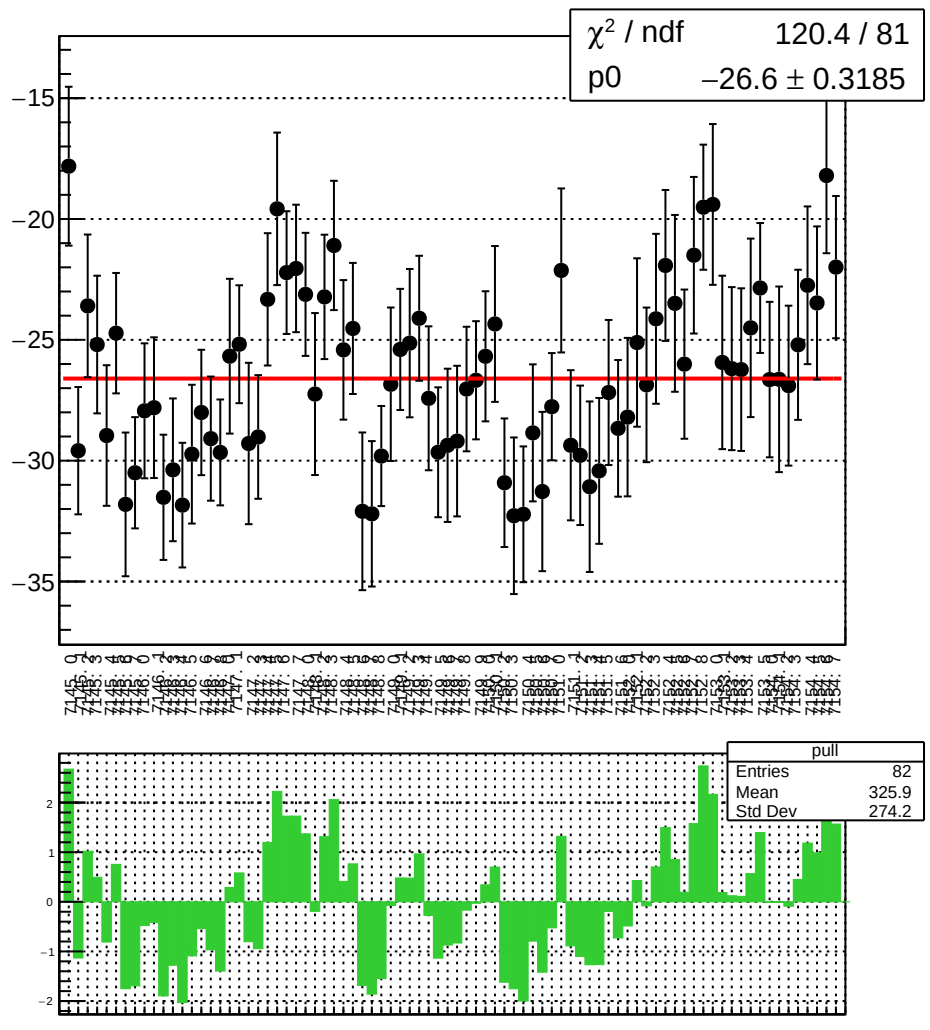

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.529 / 81
p0 0.3925 ± 0.01515
0.6
0.5
0.4
0.3
0.2
pull
Entries 82
Mean −172.2
Std Dev 188.6
pull1D
Entries 82
Mean 0.004013
Std Dev 0.235
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

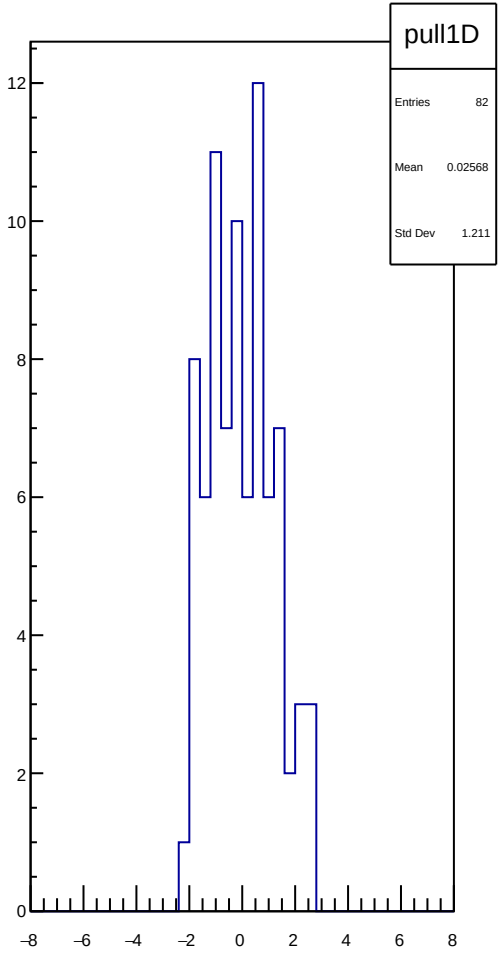

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 318.6 / 81
p0 13.27 ± 0.3397
pull
Entries 82
Mean 112.2
Std Dev 71.84

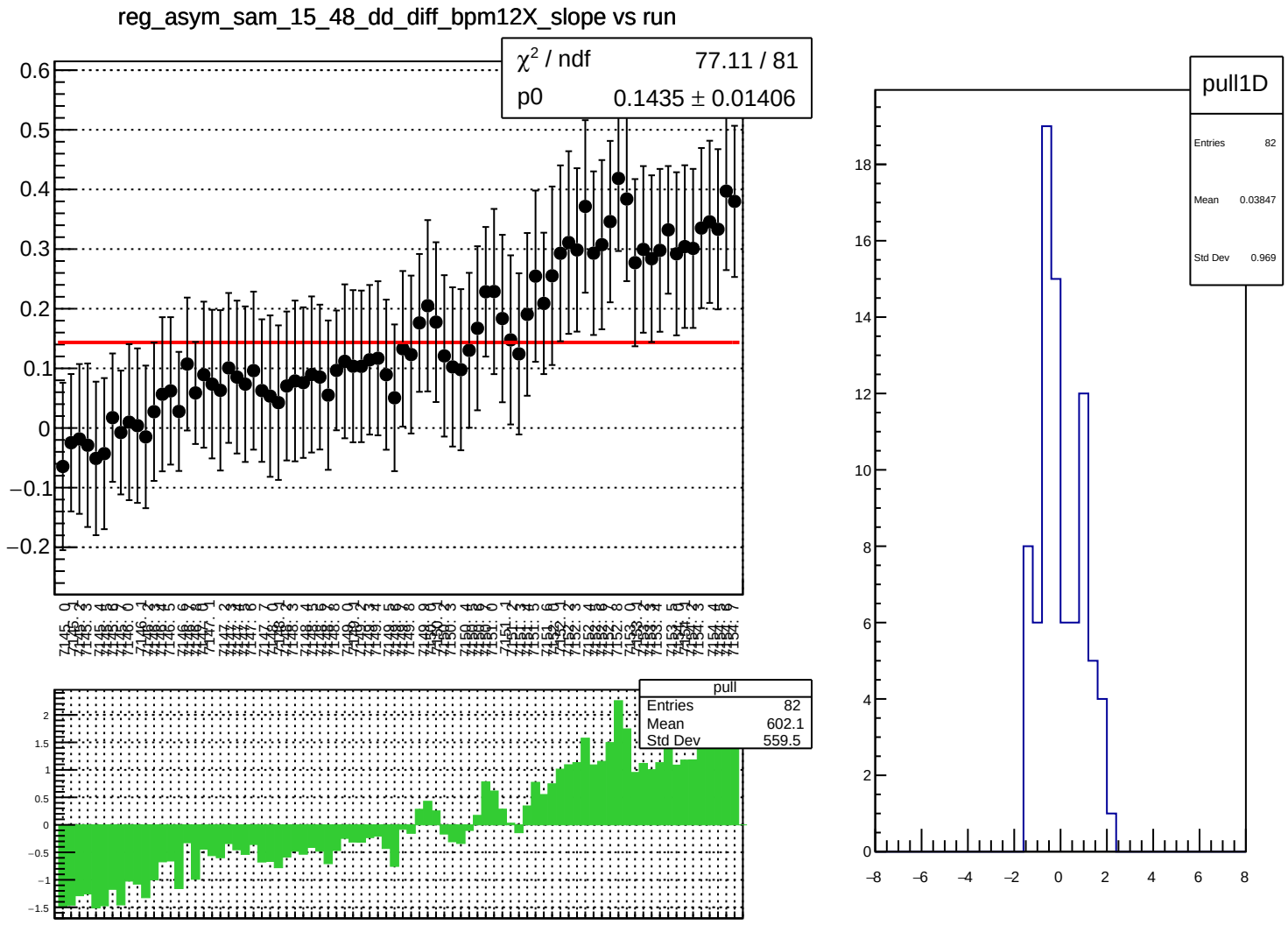

pull1D
Entries 82
Mean −0.1054
Std Dev 1.968

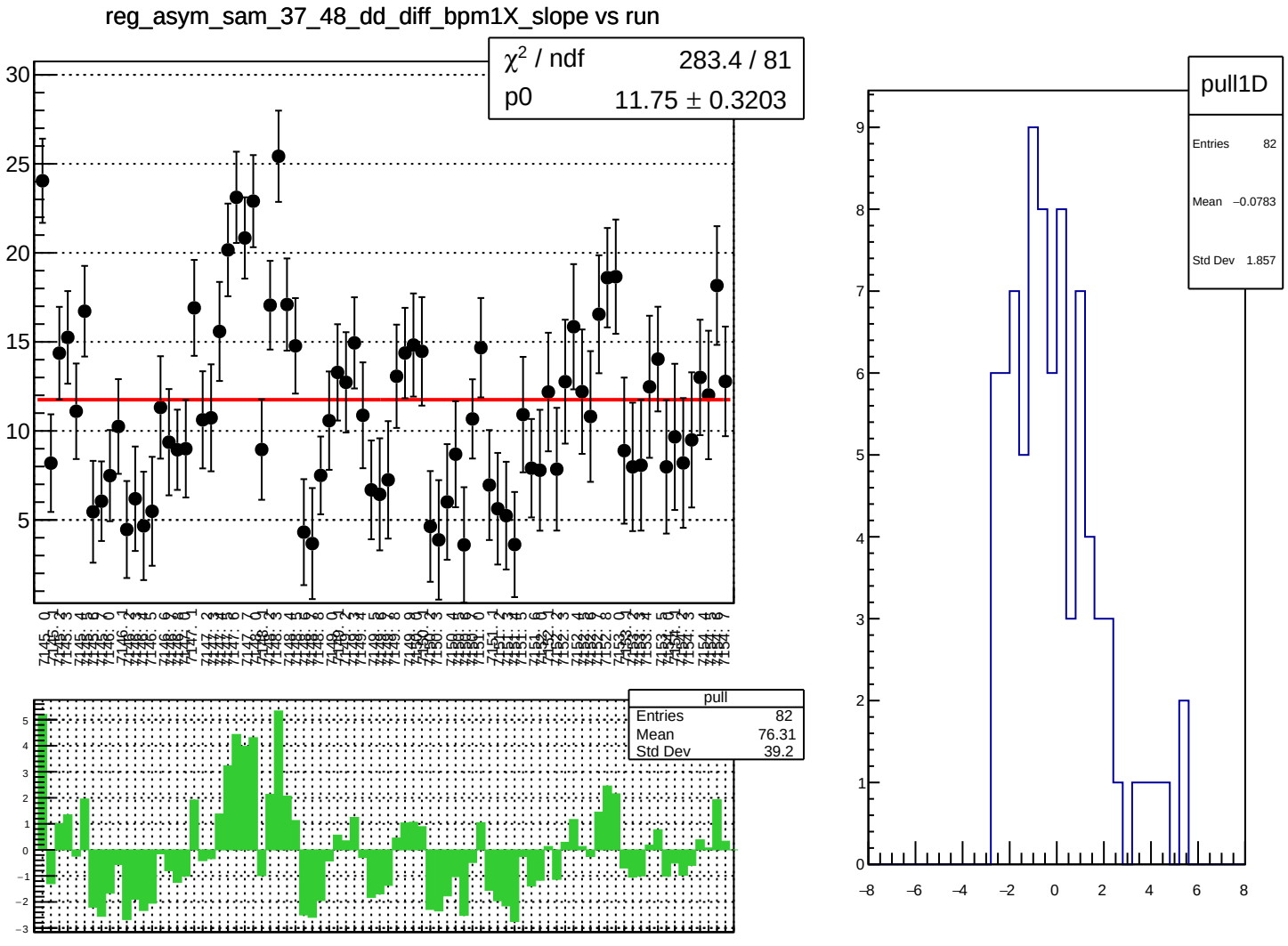

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 115.5 / 81
p0 0.2215 ± 0.2914
pull
Entries 82
Mean 35.89
Std Dev 76.99
pull1D
Entries 82
Mean −0.01873
Std Dev 1.187

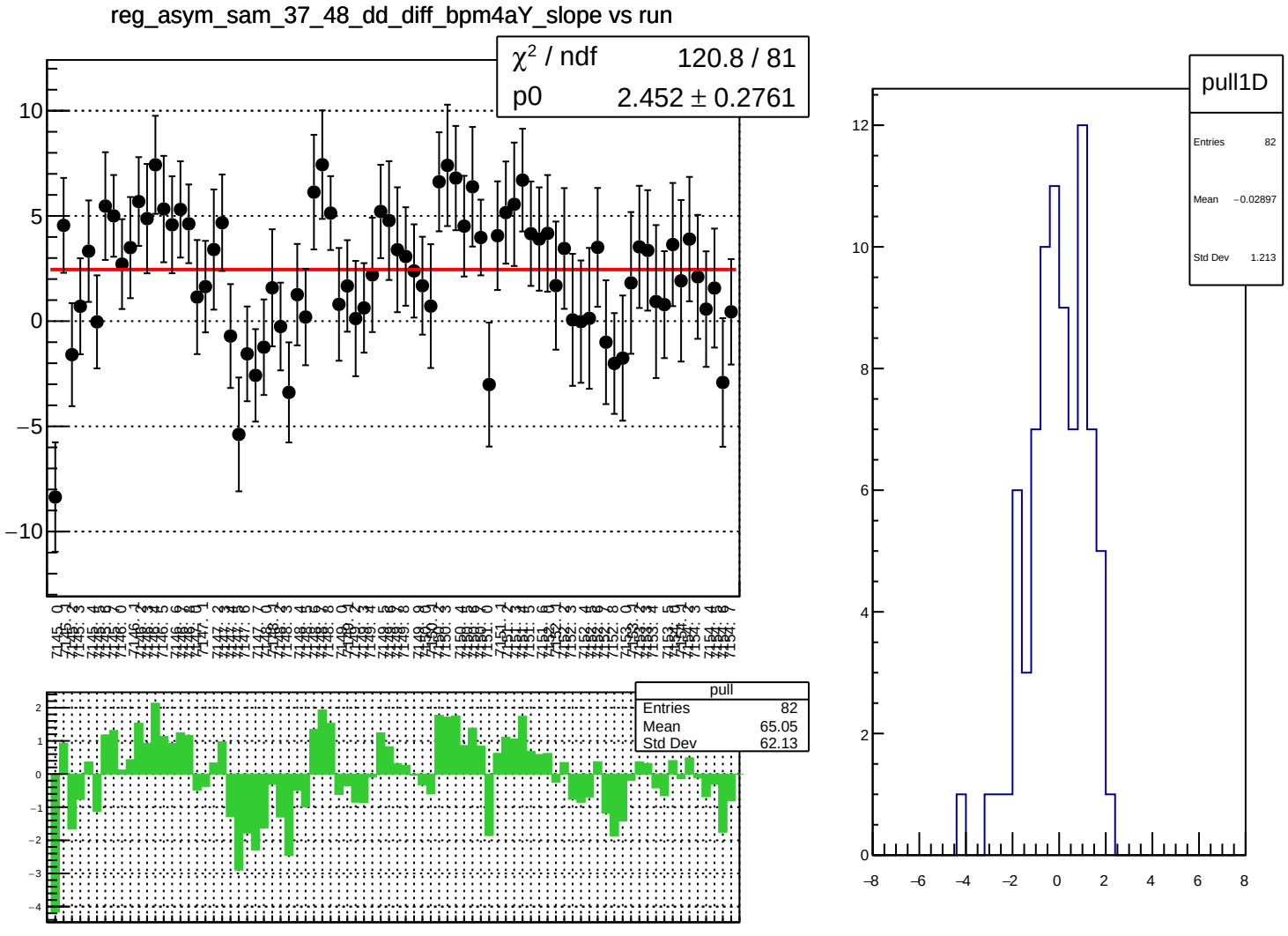

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 272 / 81
p0 27.97 ± 0.3477
pull
Entries 82
Mean 112.1
Std Dev 71.11
pull1D
Entries 82
Mean 0.103
Std Dev 1.818

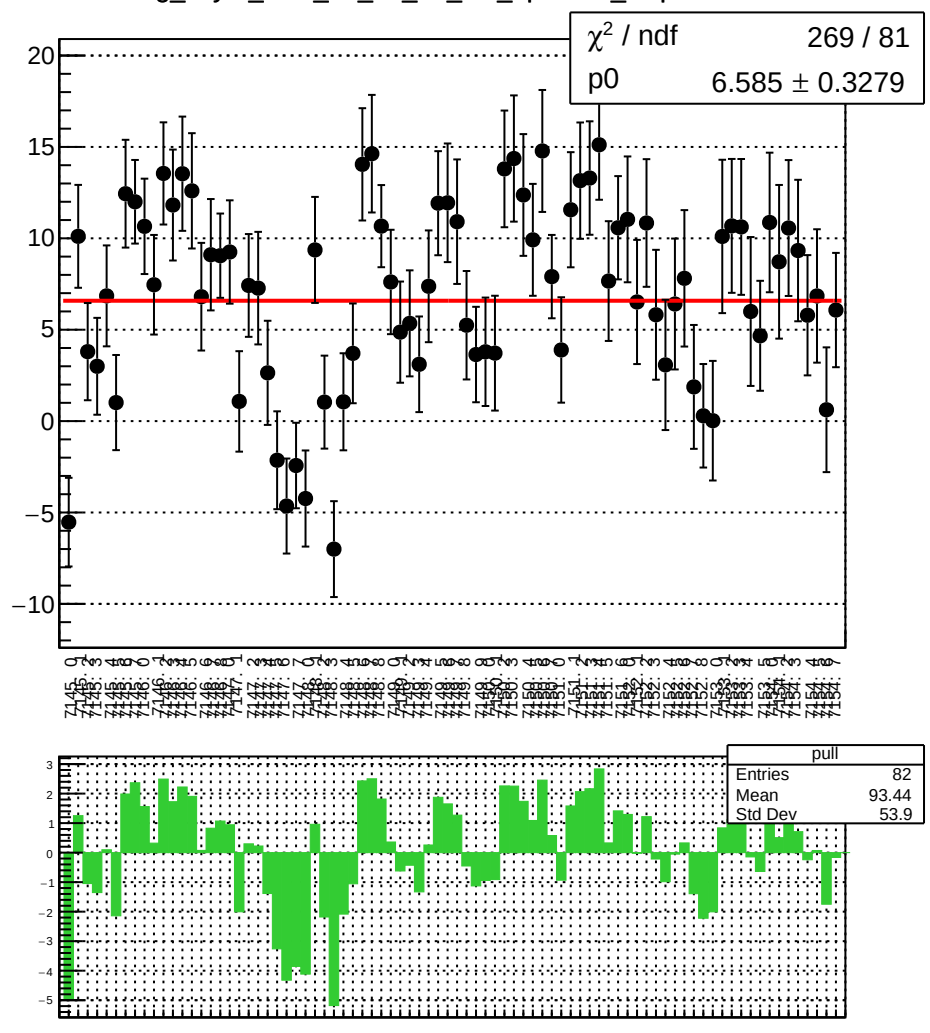

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.4 / 81
p0 −26.6 ± 0.3185
pull
Entries 82
Mean 325.9
Std Dev 274.2

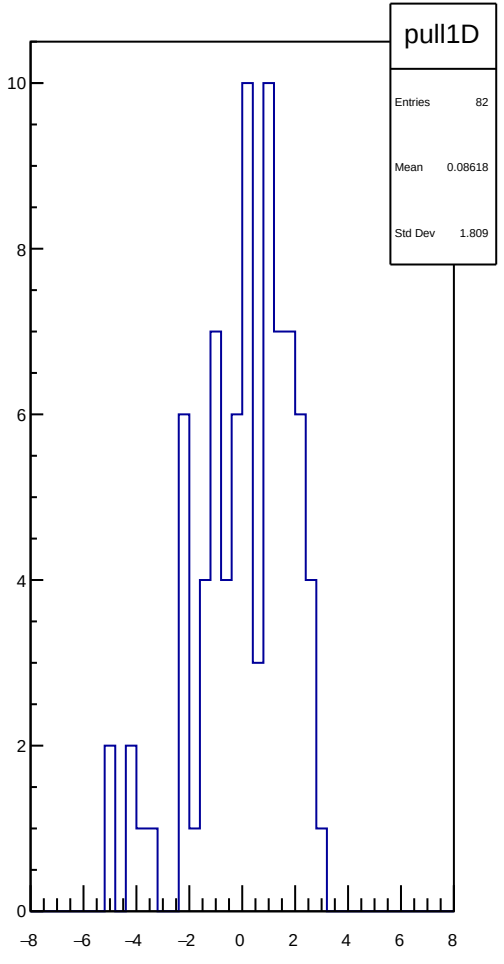

pull1D
Entries 82
Mean 0.02568
Std Dev 1.211

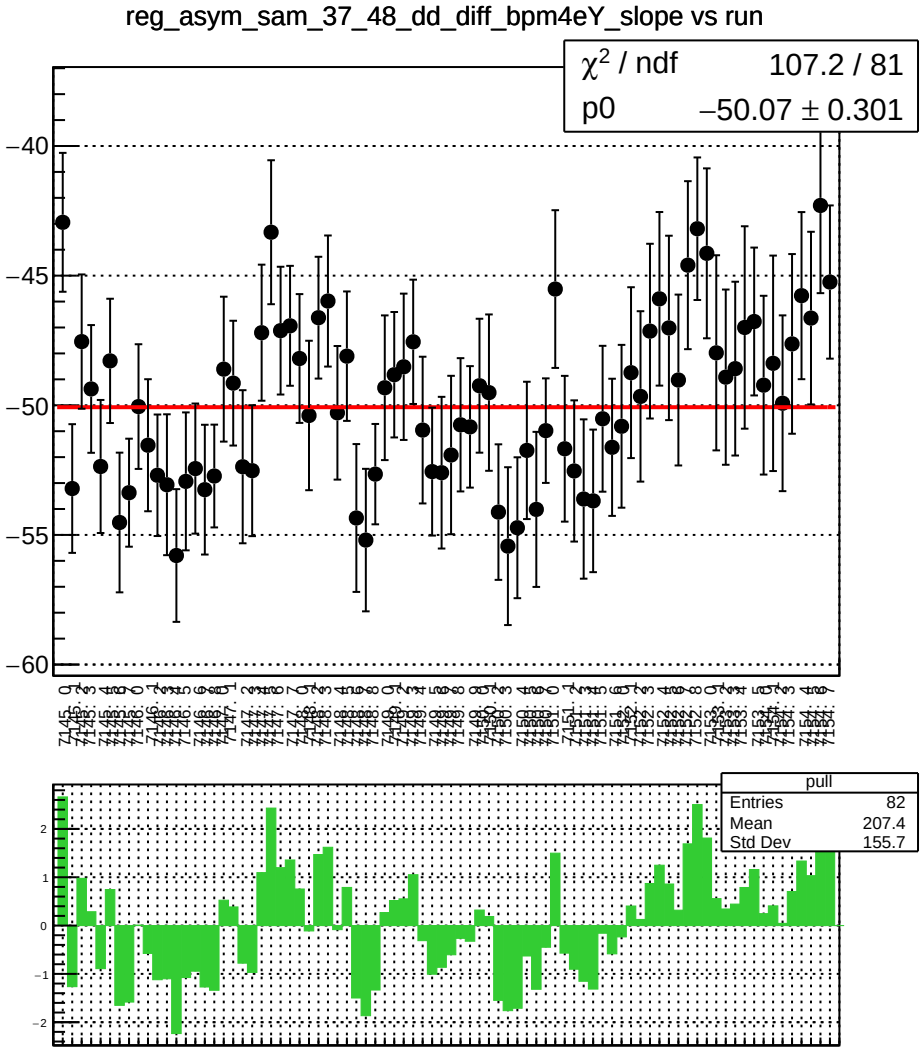

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.11 / 81
p0 0.1435 ± 0.01406
pull
Entries 82
Mean 602.1
Std Dev 559.5
pull1D
Entries 82
Mean 0.03847
Std Dev 0.969

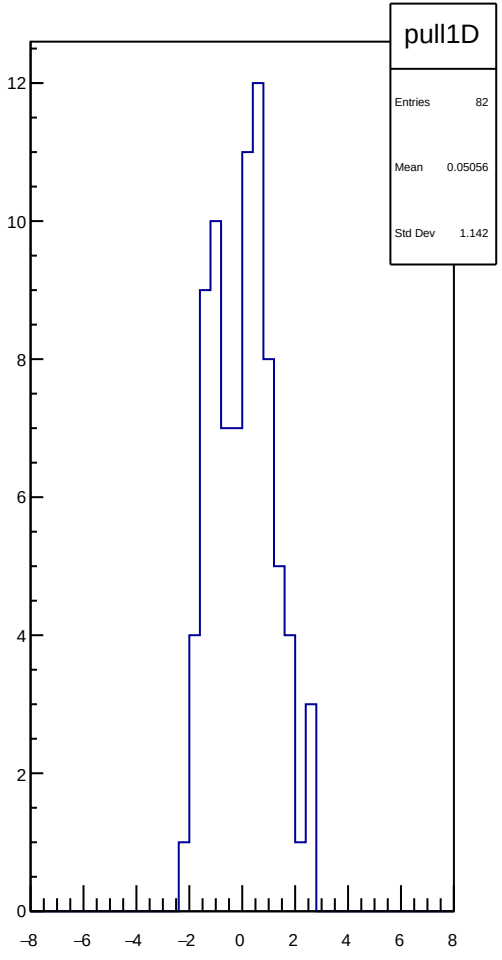

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 283.4 / 81
p0 11.75 ± 0.3203
pull
Entries 82
Mean 76.31
Std Dev 39.2
pull1D
Entries 82
Mean −0.0783
Std Dev 1.857

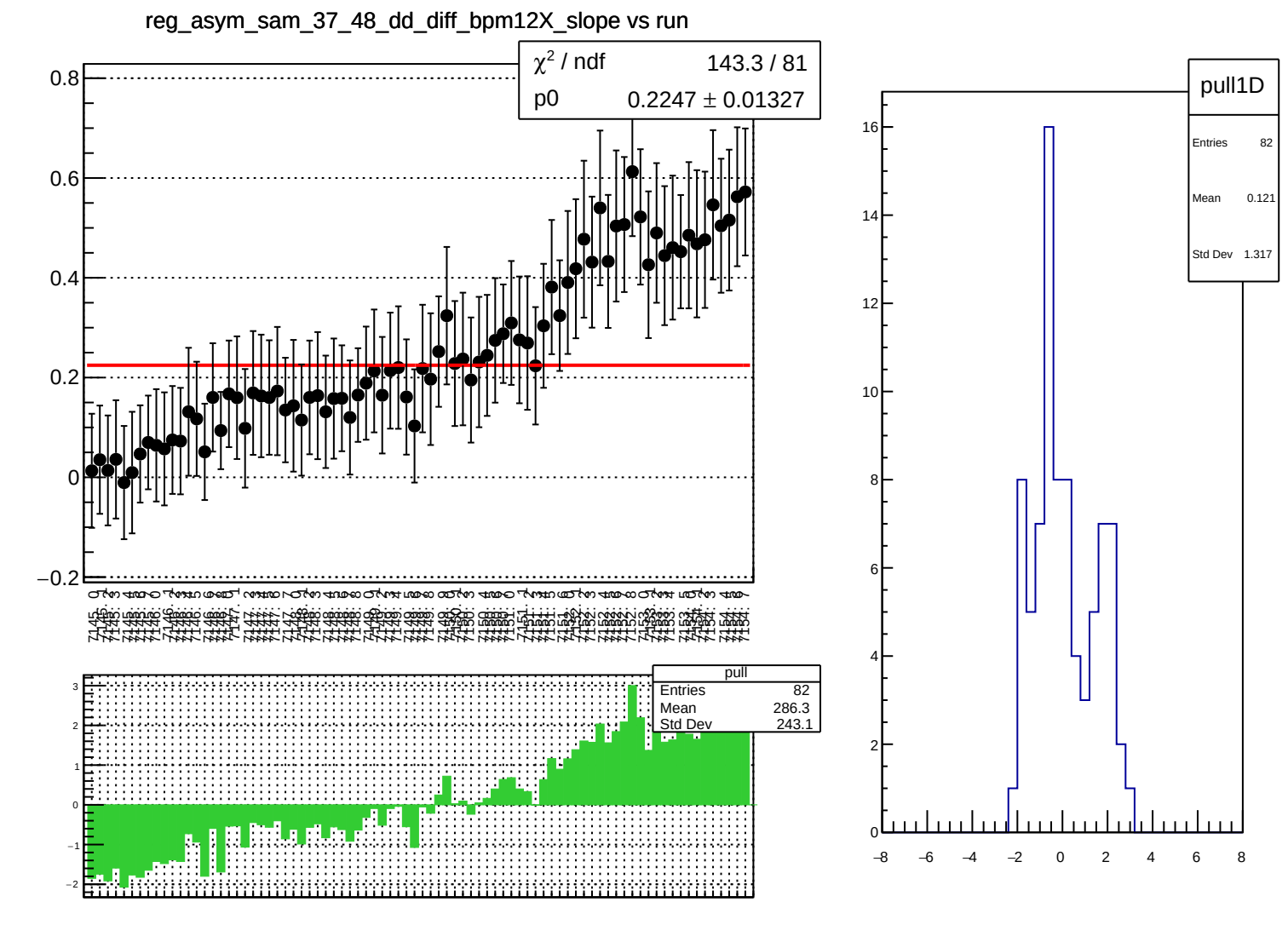

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 120.8 / 81
p0 2.452 ± 0.2761
pull
Entries 82
Mean 65.05
Std Dev 62.13
pull1D
Entries 82
Mean −0.02897
Std Dev 1.213

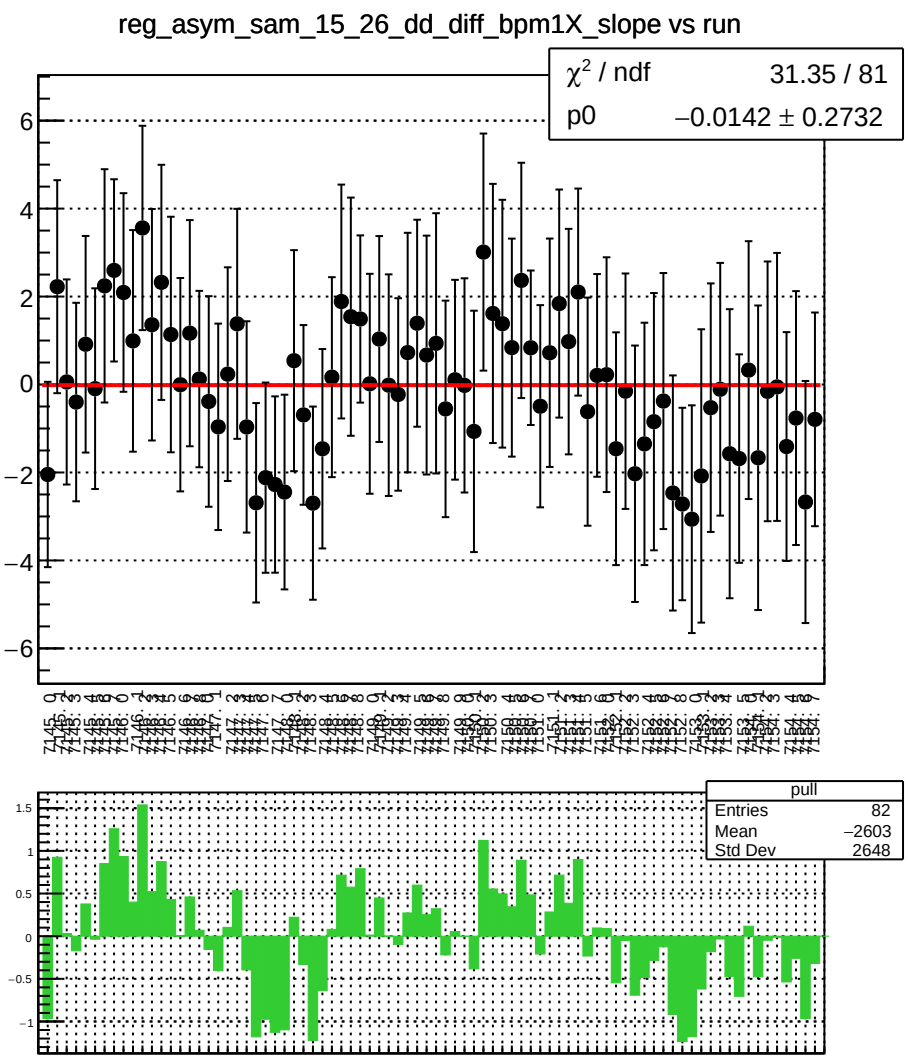

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 269 / 81
p0 6.585 ± 0.3279
pull
Entries 82
Mean 93.44
Std Dev 53.9

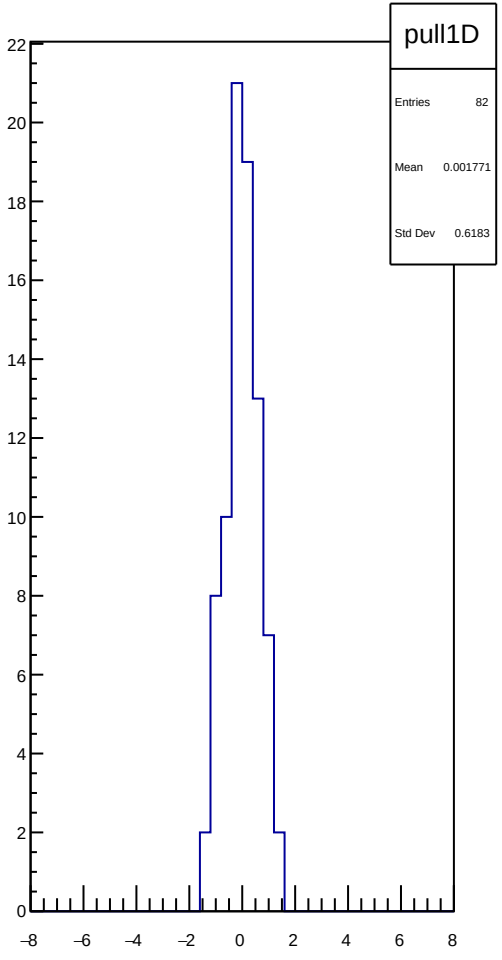

pull1D
Entries 82
Mean 0.08618
Std Dev 1.809

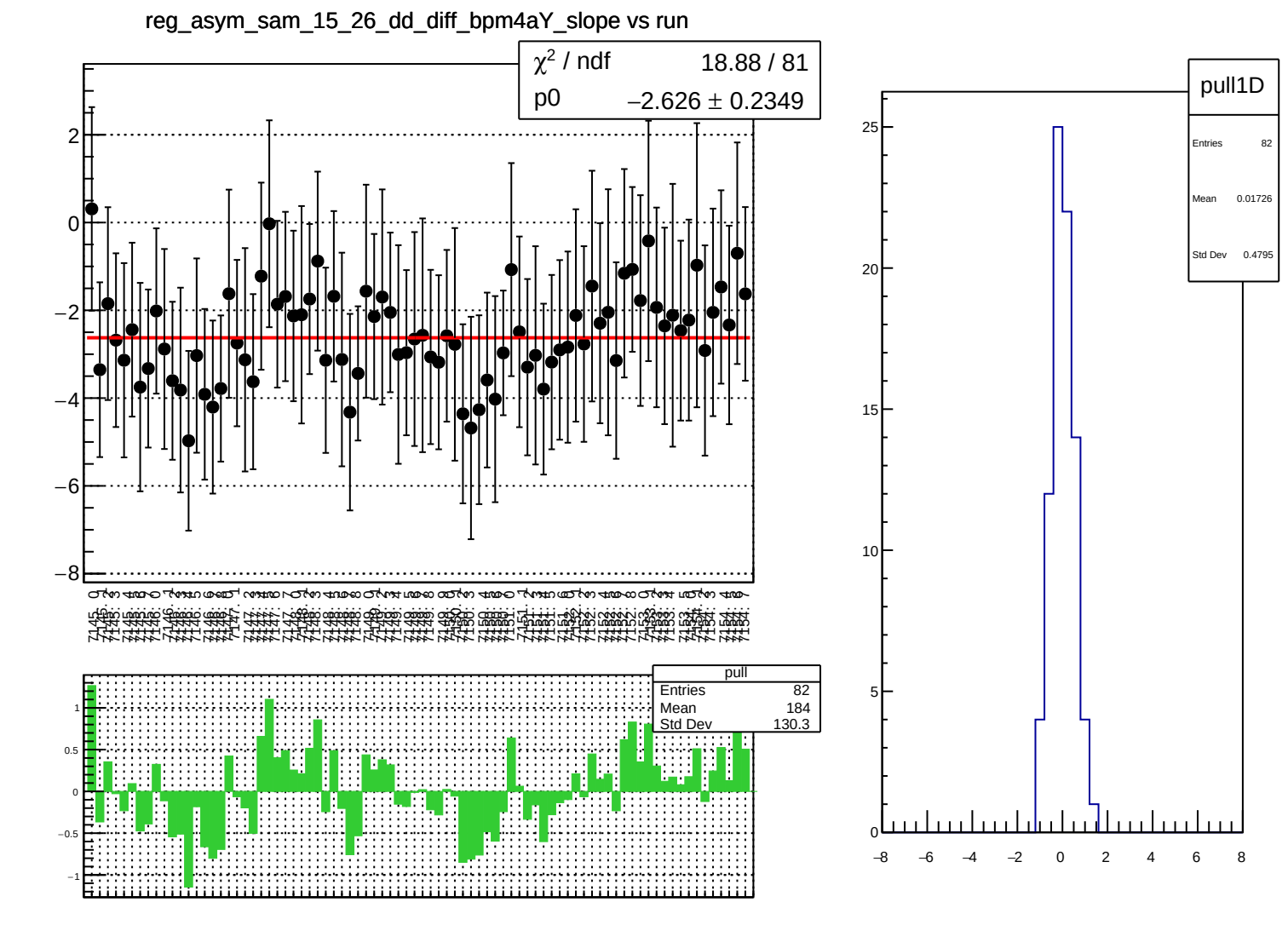

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.2 / 81
p0 −50.07 ± 0.301
pull
Entries 82
Mean 207.4
Std Dev 155.7

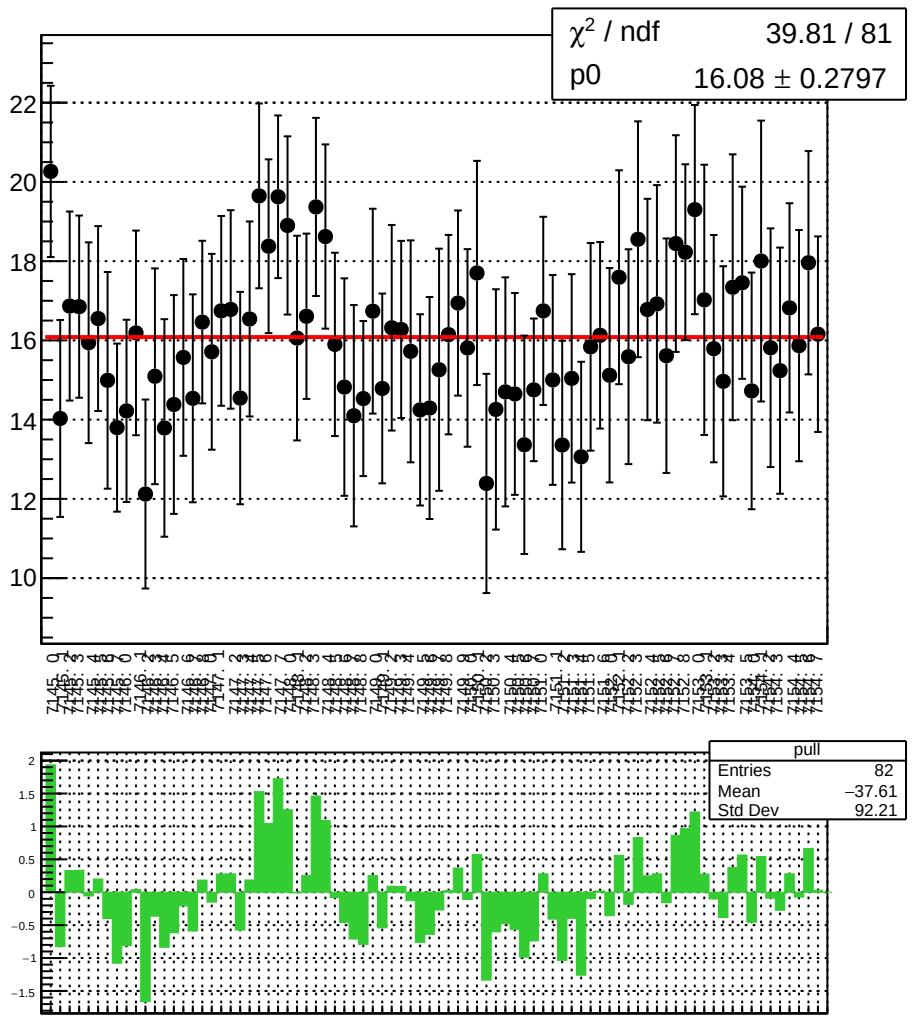

pull1D
Entries 82
Mean 0.05056
Std Dev 1.142

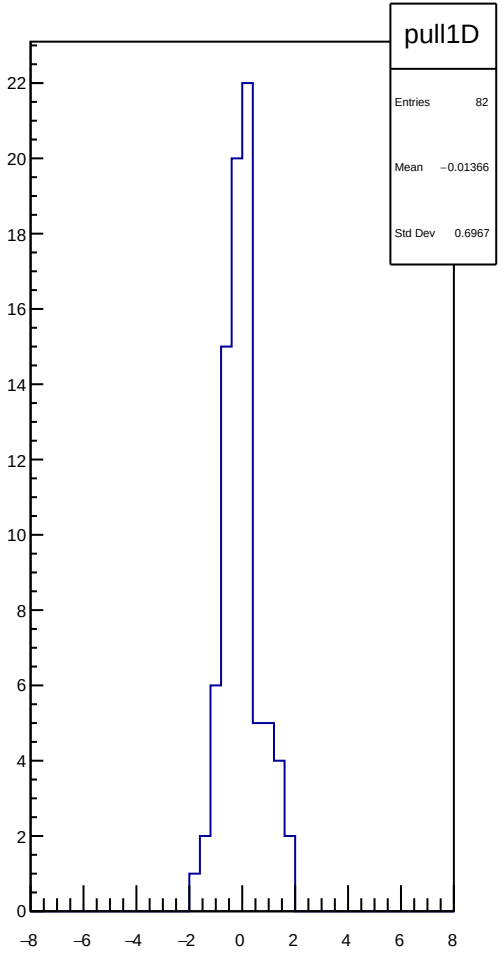

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 143.3 / 81
p0 0.2247 ± 0.01327
pull
Entries 82
Mean 286.3
Std Dev 243.1
pull1D
Entries 82
Mean 0.121
Std Dev 1.317

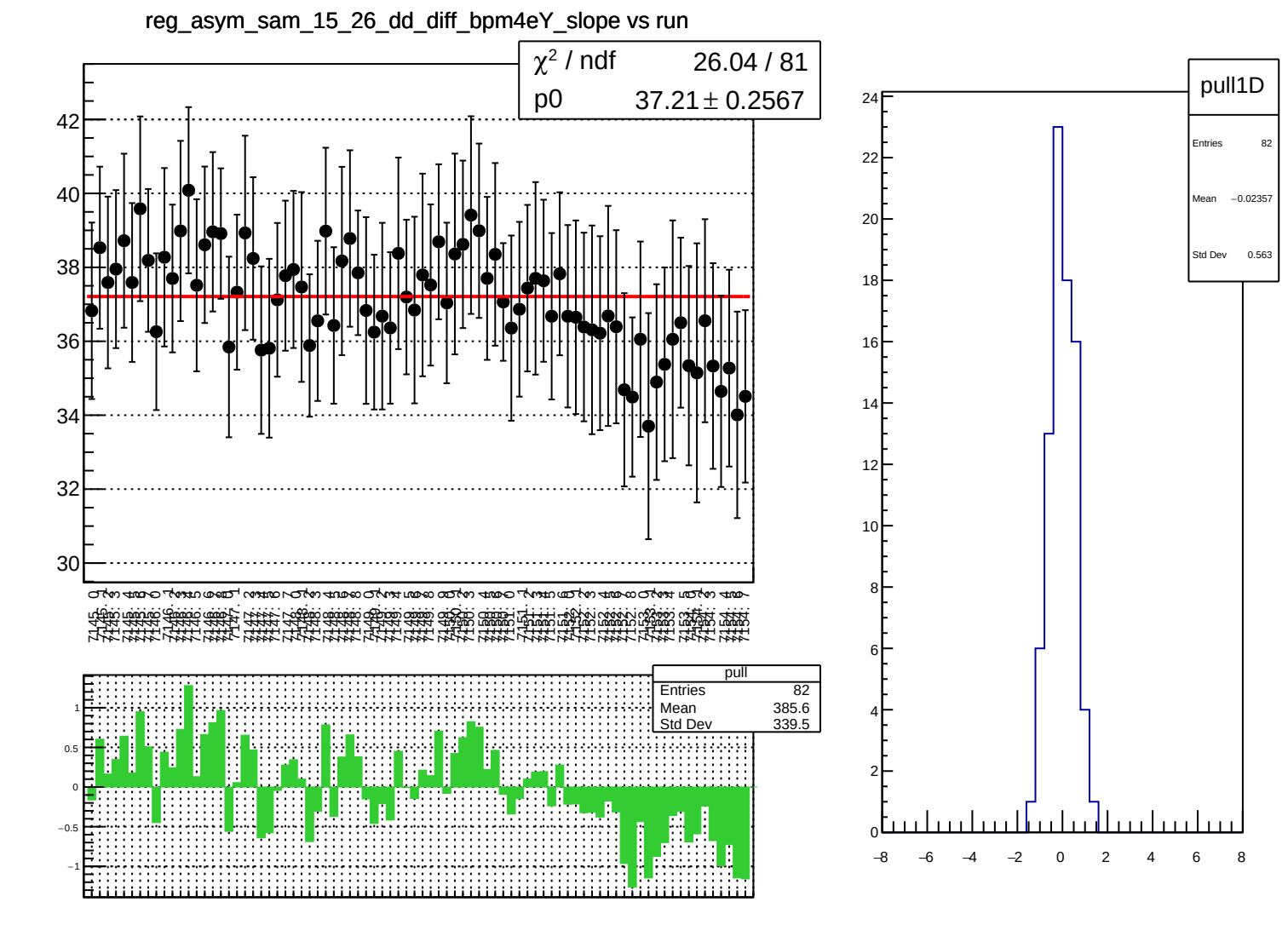

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 31.35 / 81
p0 −0.0142 ± 0.2732
pull
Entries 82
Mean −2603
Std Dev 2648

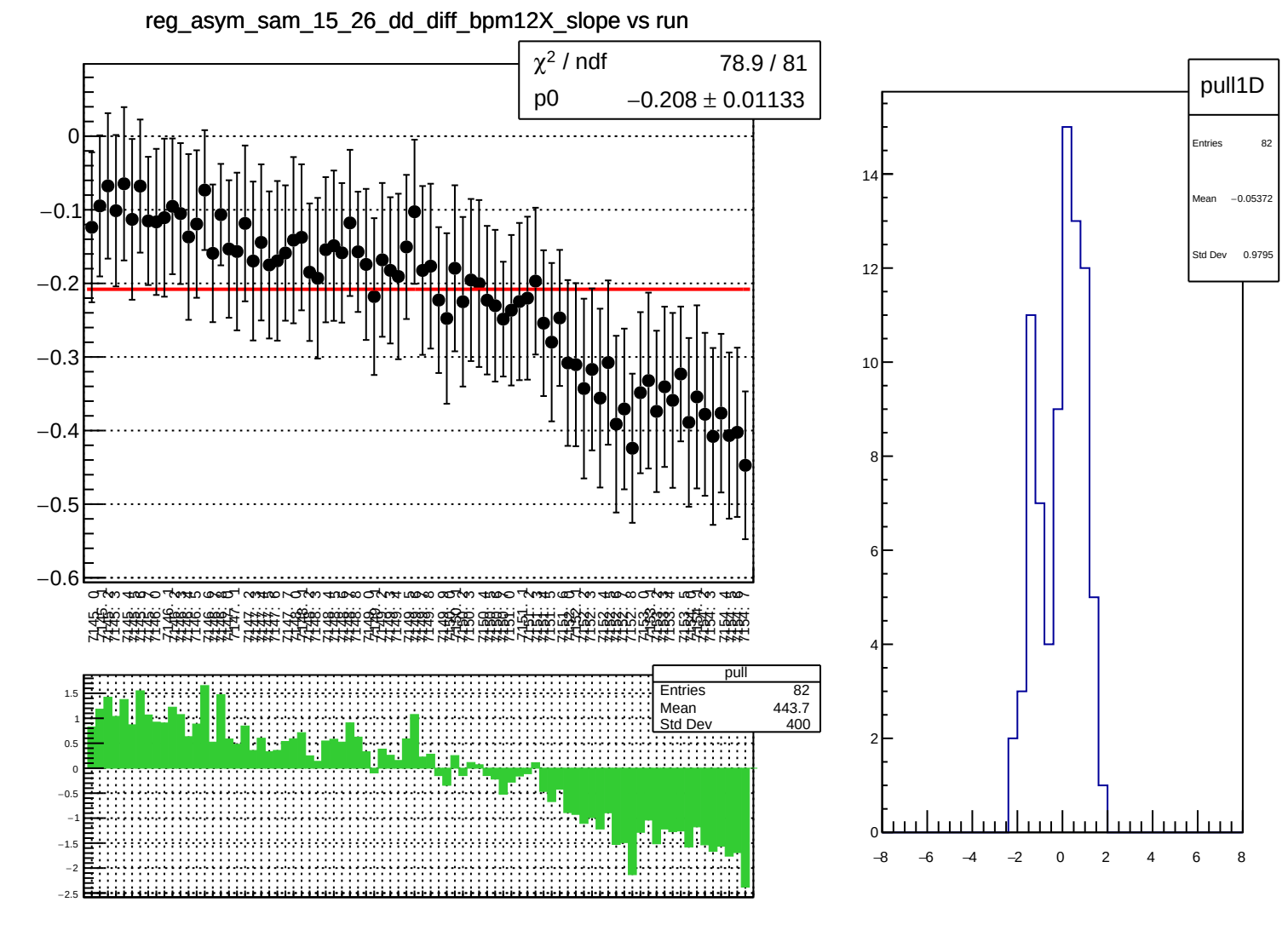

pull1D
Entries 82
Mean 0.001771
Std Dev 0.6183

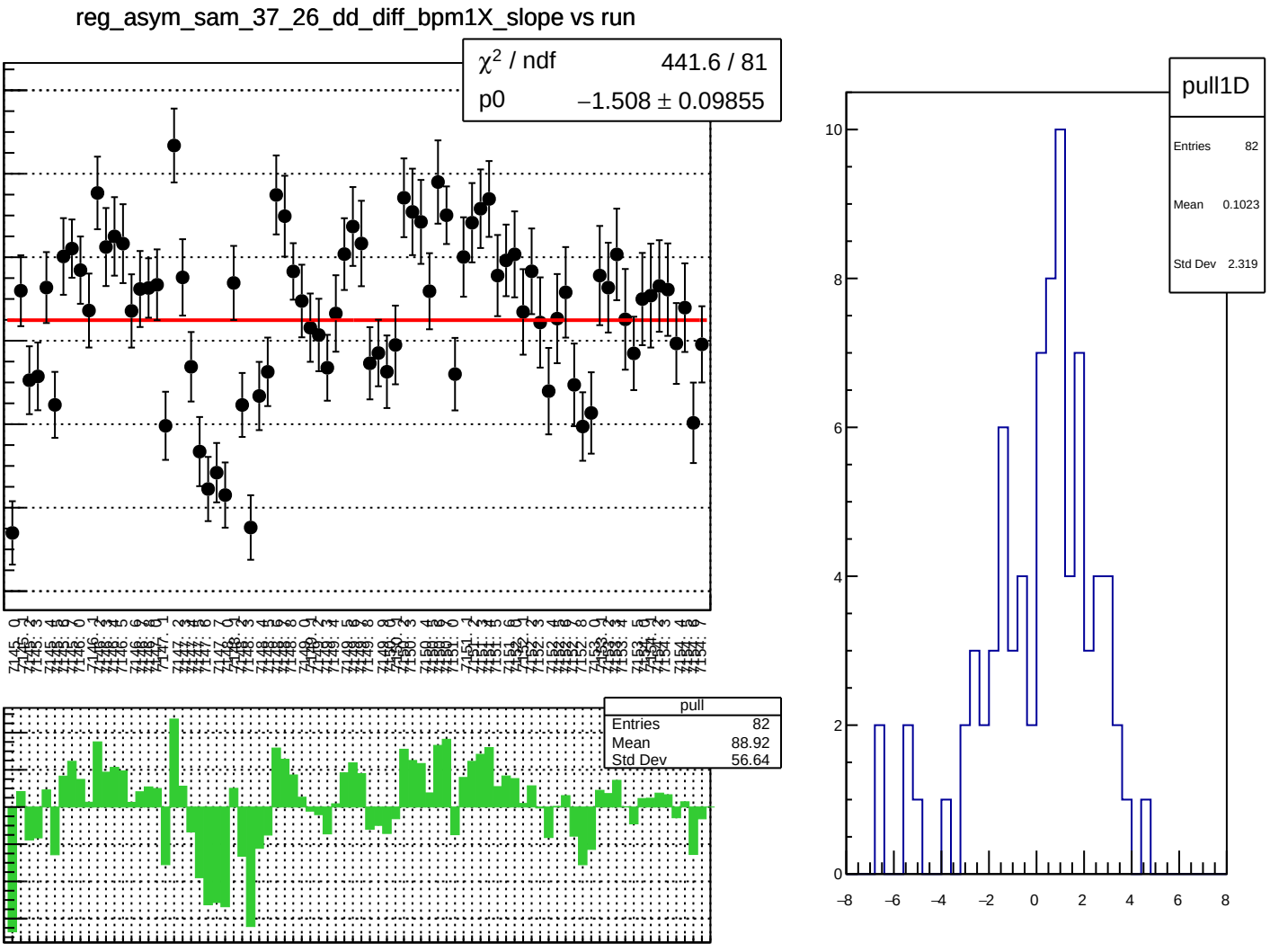

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.88 / 81
p0 −2.626 ± 0.2349
pull
Entries 82
Mean 184
Std Dev 130.3
pull1D
Entries 82
Mean 0.01726
Std Dev 0.4795

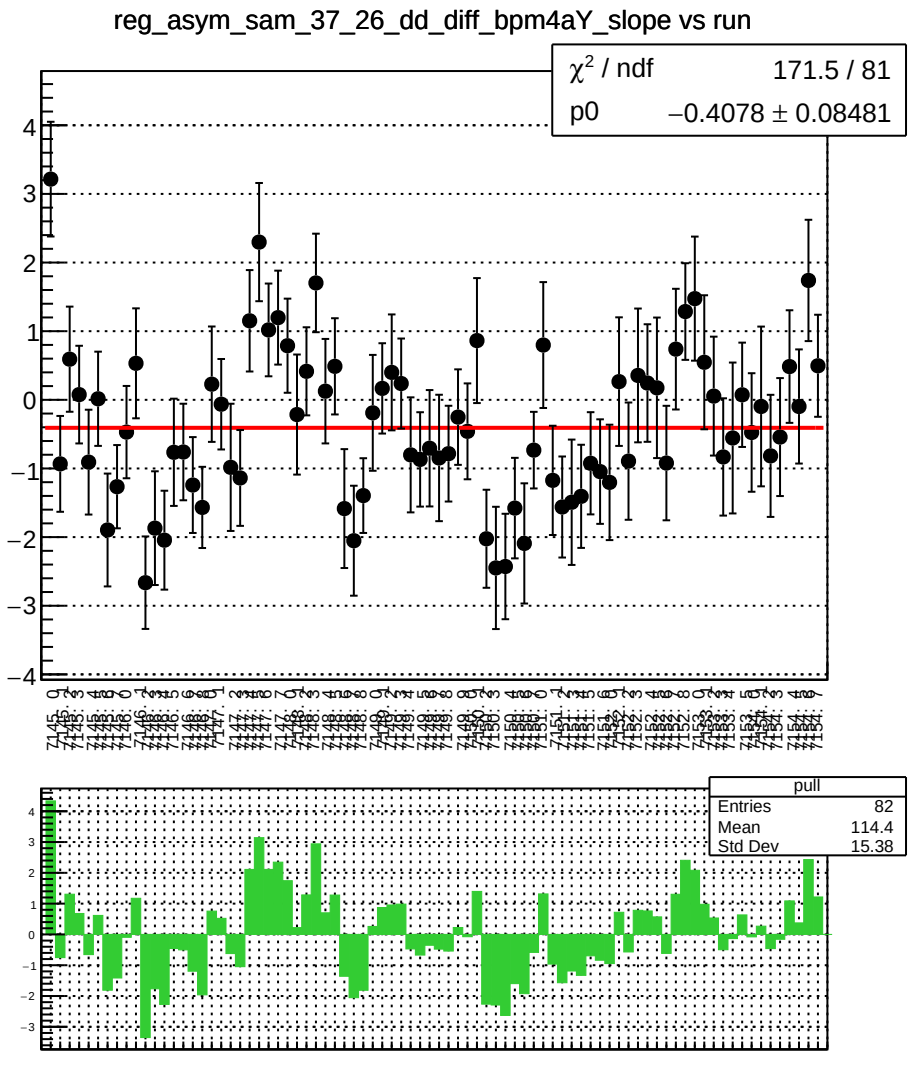

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.81 / 81
p0 16.08 ± 0.2797
pull
Entries 82
Mean −37.61
Std Dev 92.21

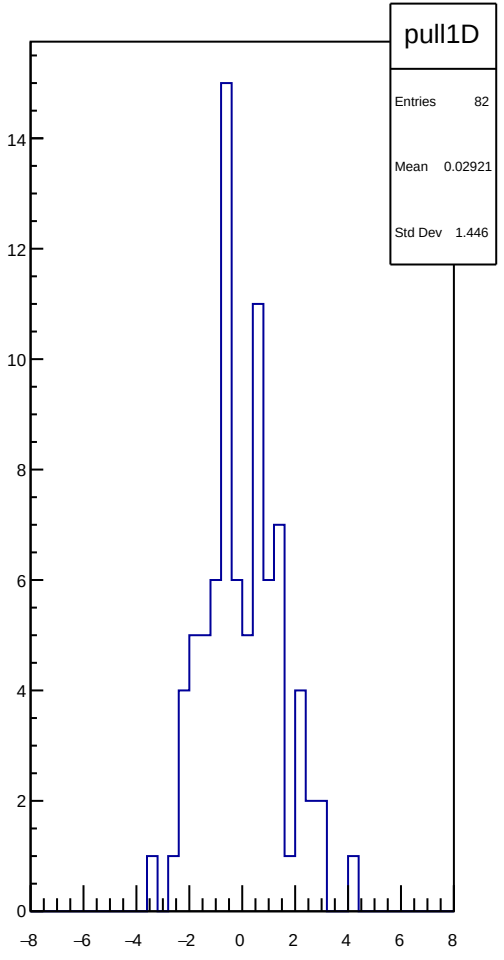

pull1D
Entries 82
Mean −0.01366
Std Dev 0.6967

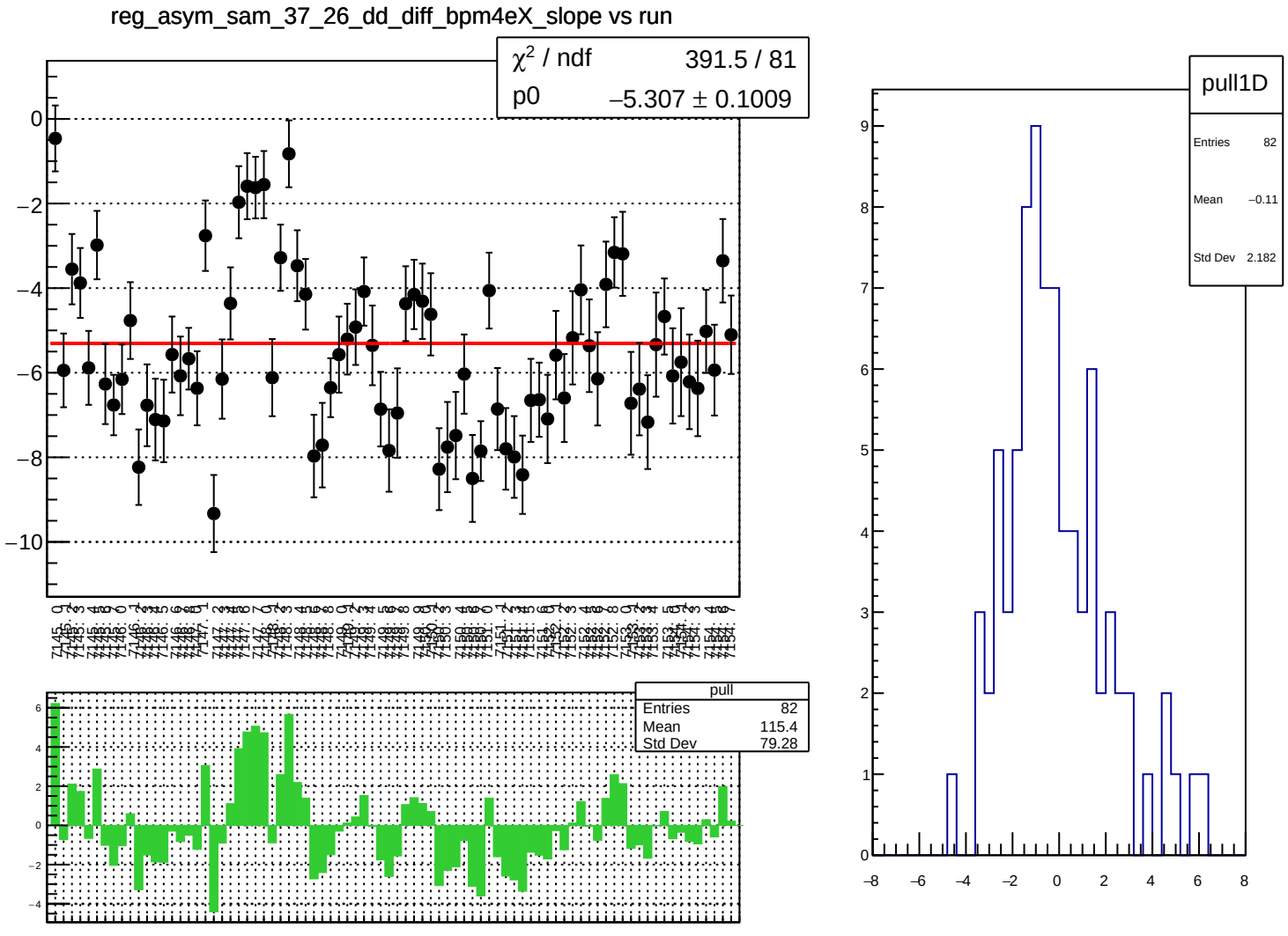

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.04 / 81
p0 37.21 ± 0.2567
pull
Entries 82
Mean 385.6
Std Dev 339.5
pull1D
Entries 82
Mean −0.02357
Std Dev 0.563

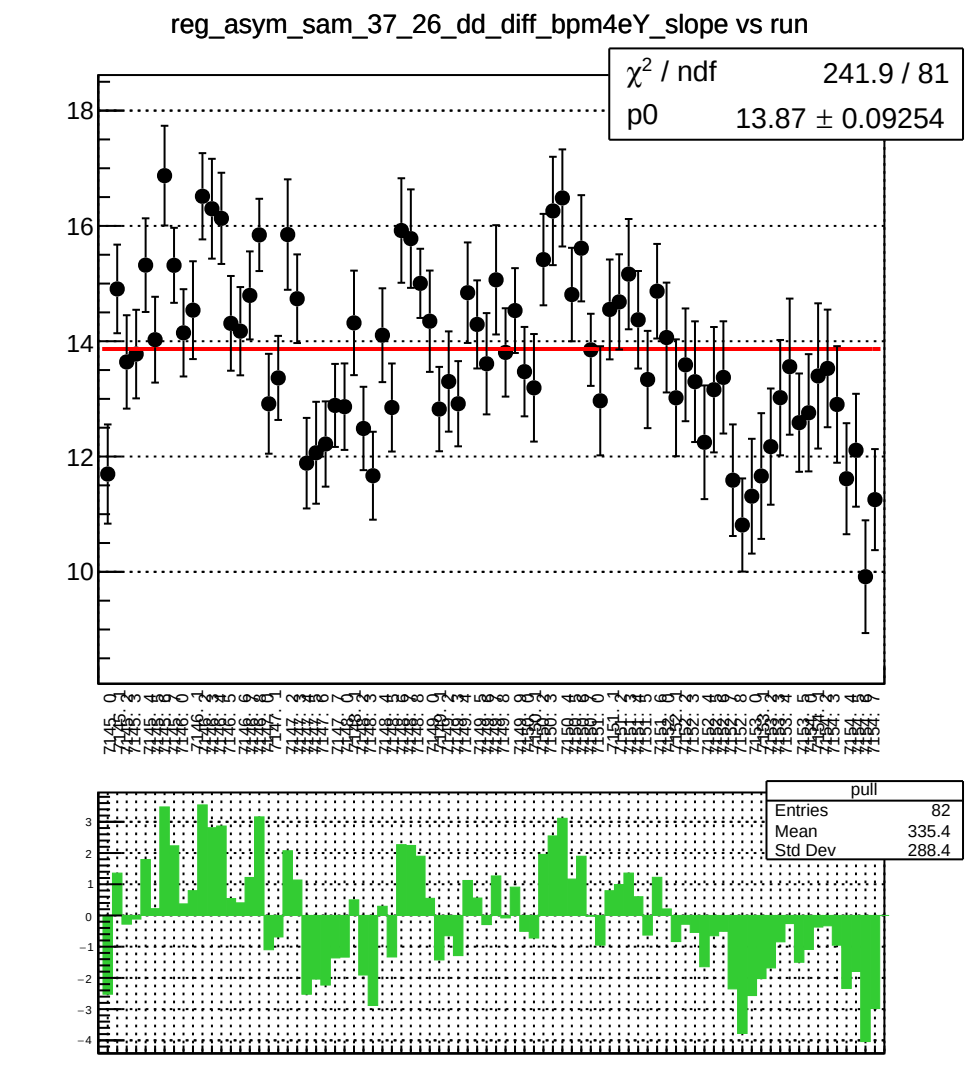

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 78.9 / 81
p0 −0.208 ± 0.01133
pull
Entries 82
Mean 443.7
Std Dev 400
pull1D
Entries 82
Mean −0.05372
Std Dev 0.9795

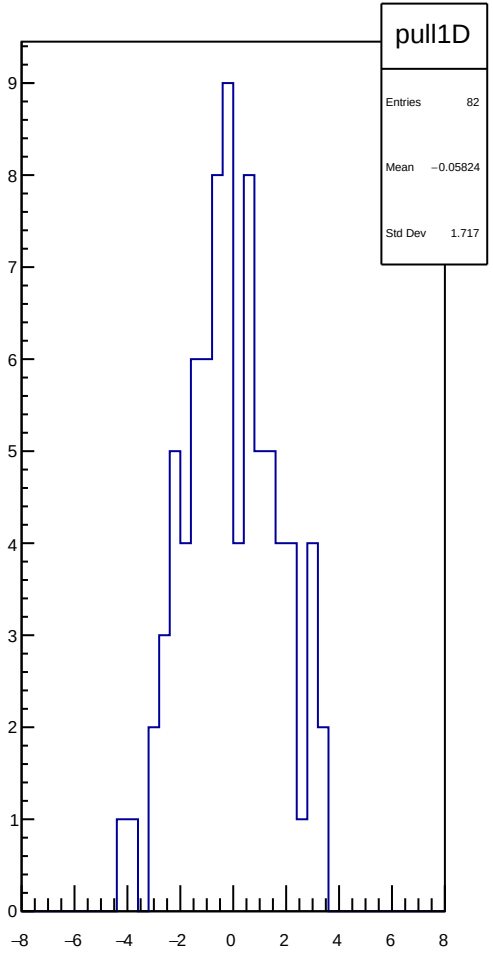

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 441.6 / 81
p0 −1.508 ± 0.09855
pull
Entries 82
Mean 88.92
Std Dev 56.64
pull1D
Entries 82
Mean 0.1023
Std Dev 2.319

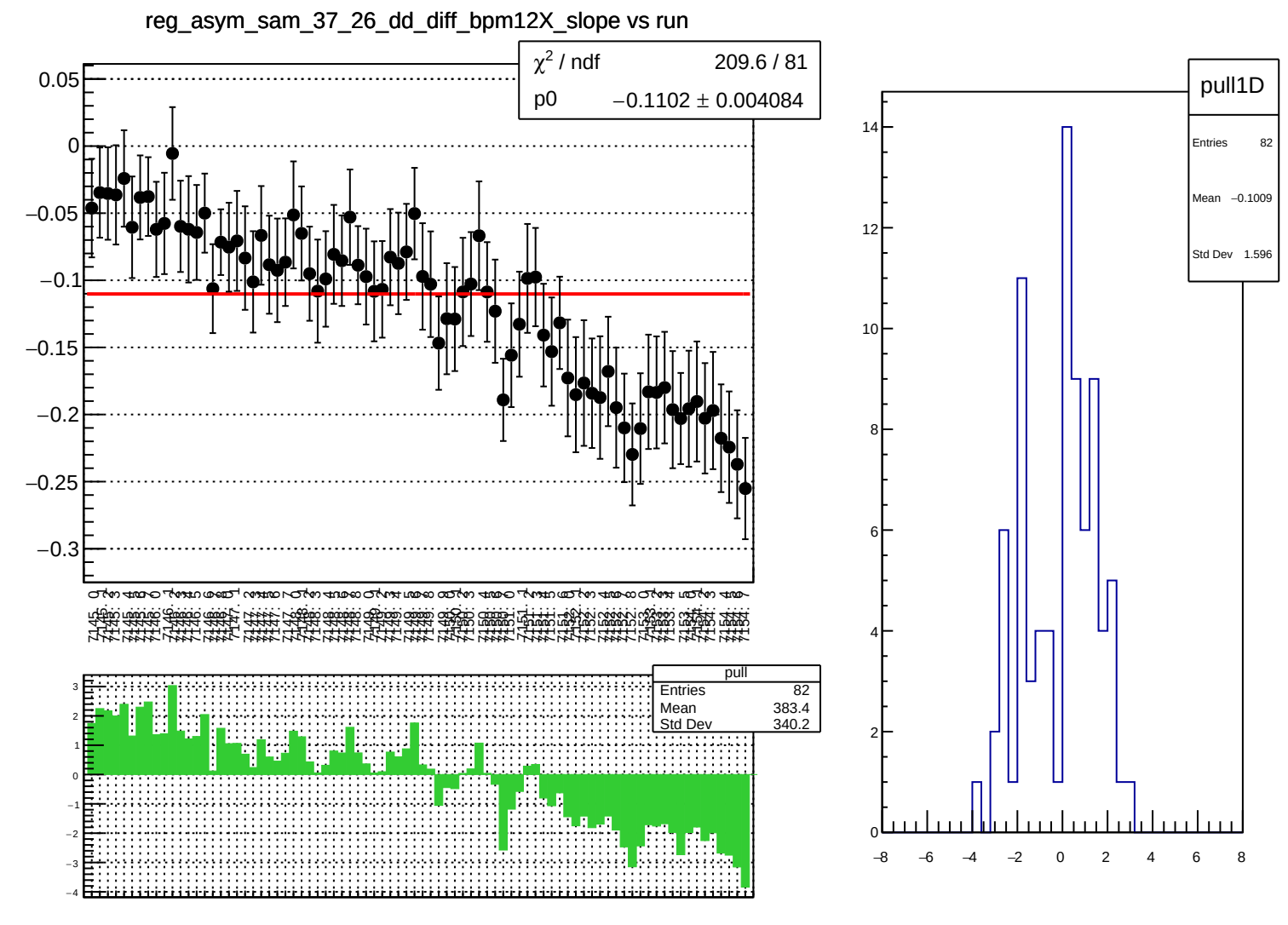

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 171.5 / 81
p0 −0.4078 ± 0.08481
pull
Entries 82
Mean 114.4
Std Dev 15.38

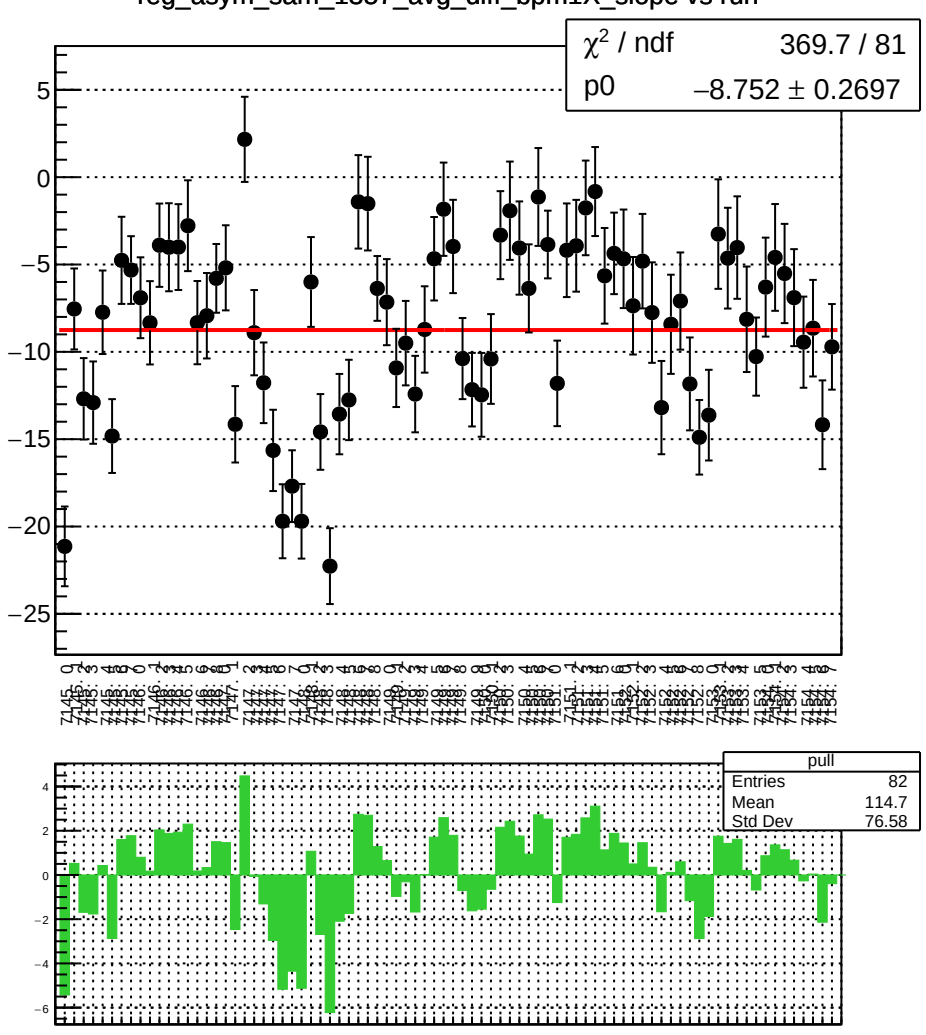

pull1D
Entries 82
Mean 0.02921
Std Dev 1.446

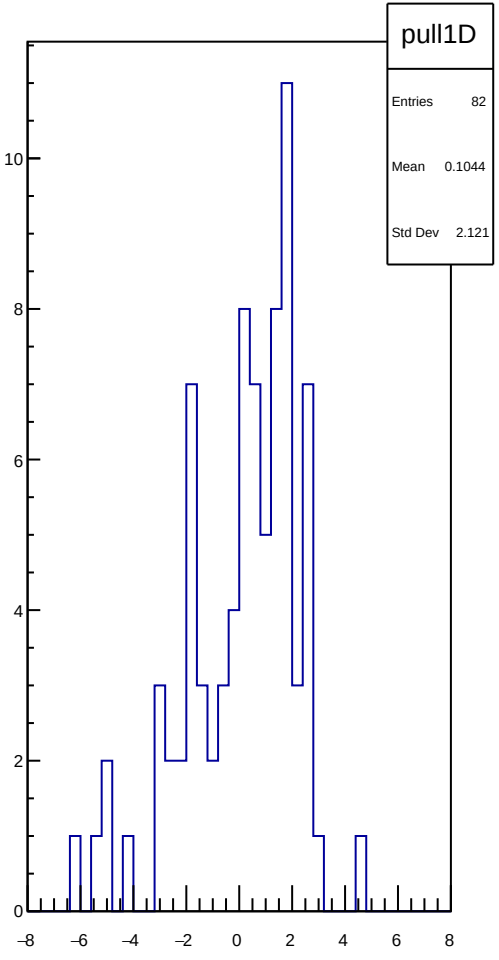

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 391.5 / 81
p0 −5.307 ± 0.1009
pull
Entries 82
Mean 115.4
Std Dev 79.28
pull1D
Entries 82
Mean −0.11
Std Dev 2.182

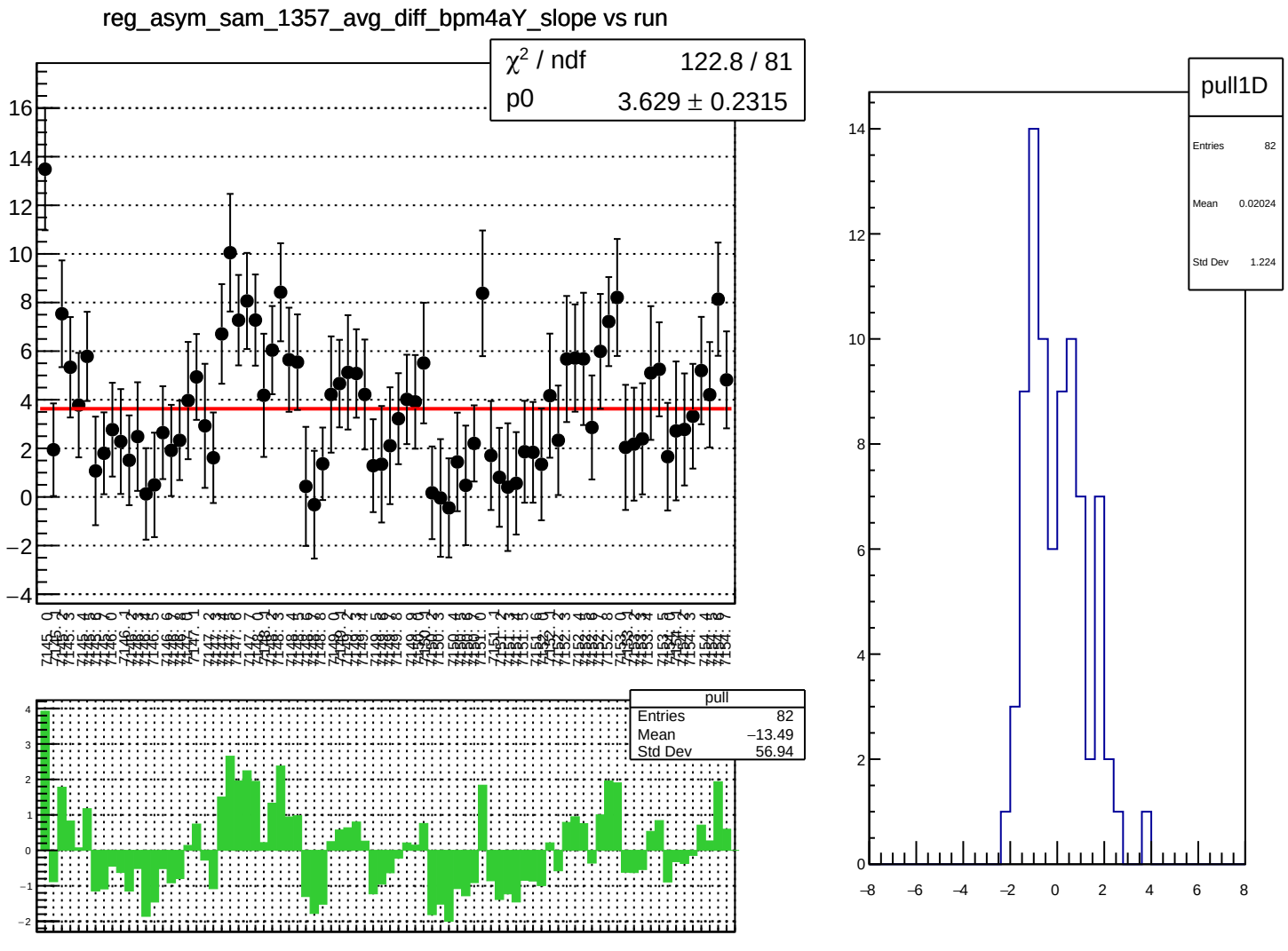

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 241.9 / 81
p0 13.87 ± 0.09254
18
16
14
12
10
pull
Entries 82
Mean 335.4
Std Dev 288.4
3
2
1
0
−1
−2
−3
−4

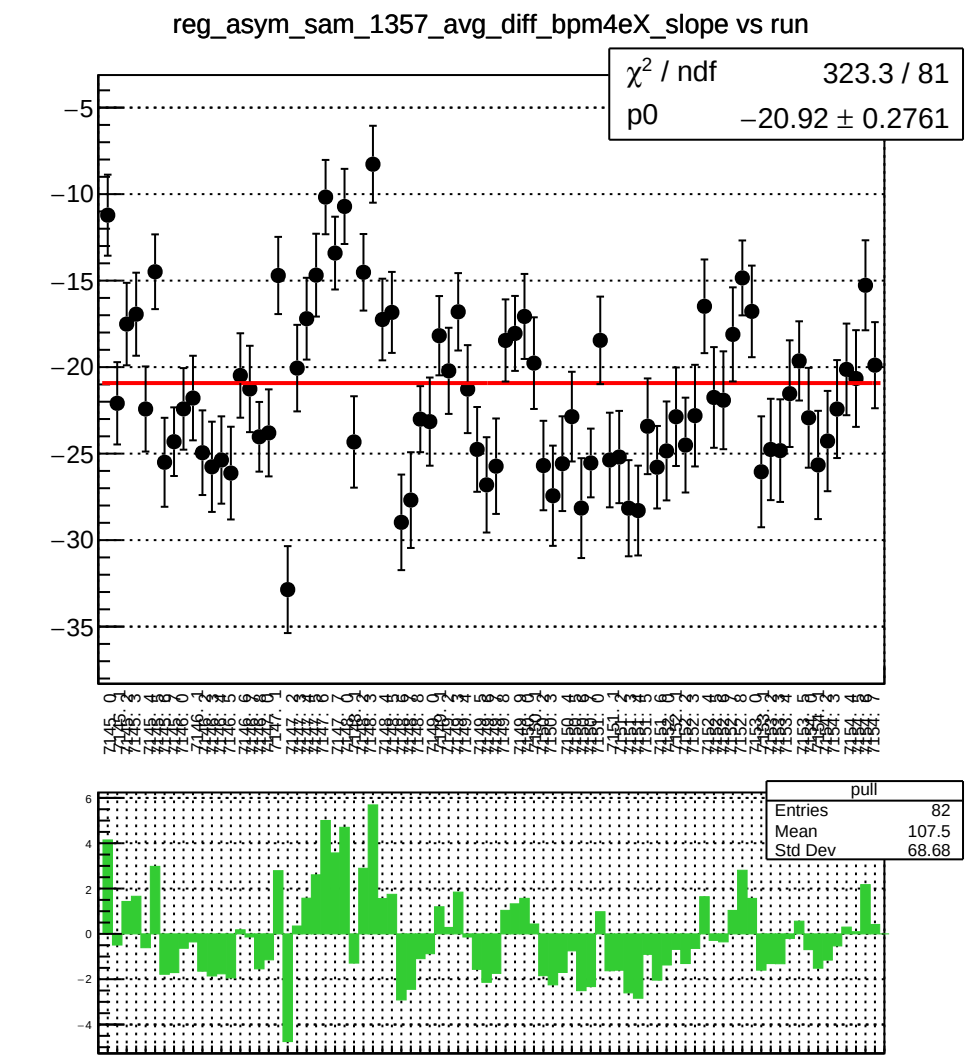

pull1D
Entries 82
Mean −0.05824
Std Dev 1.717
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

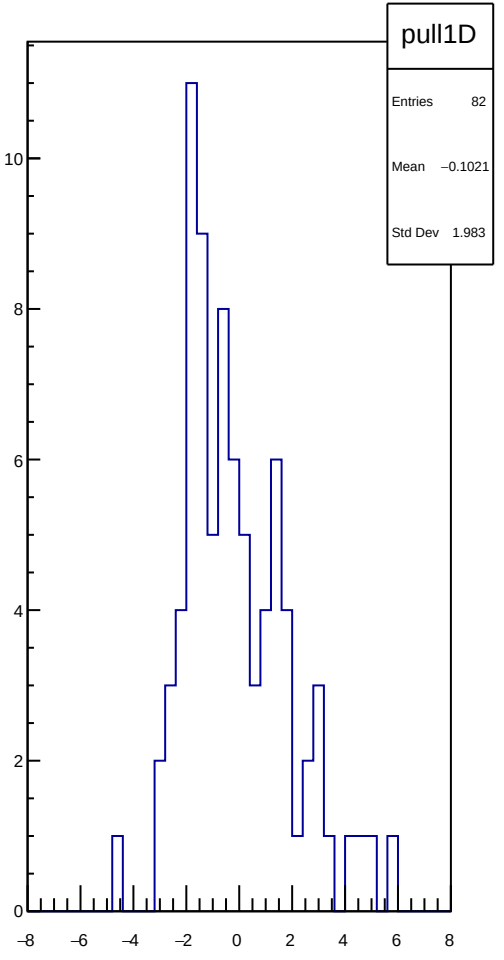

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 209.6 / 81
p0 −0.1102 ± 0.004084
pull
Entries 82
Mean 383.4
Std Dev 340.2
pull1D
Entries 82
Mean −0.1009
Std Dev 1.596

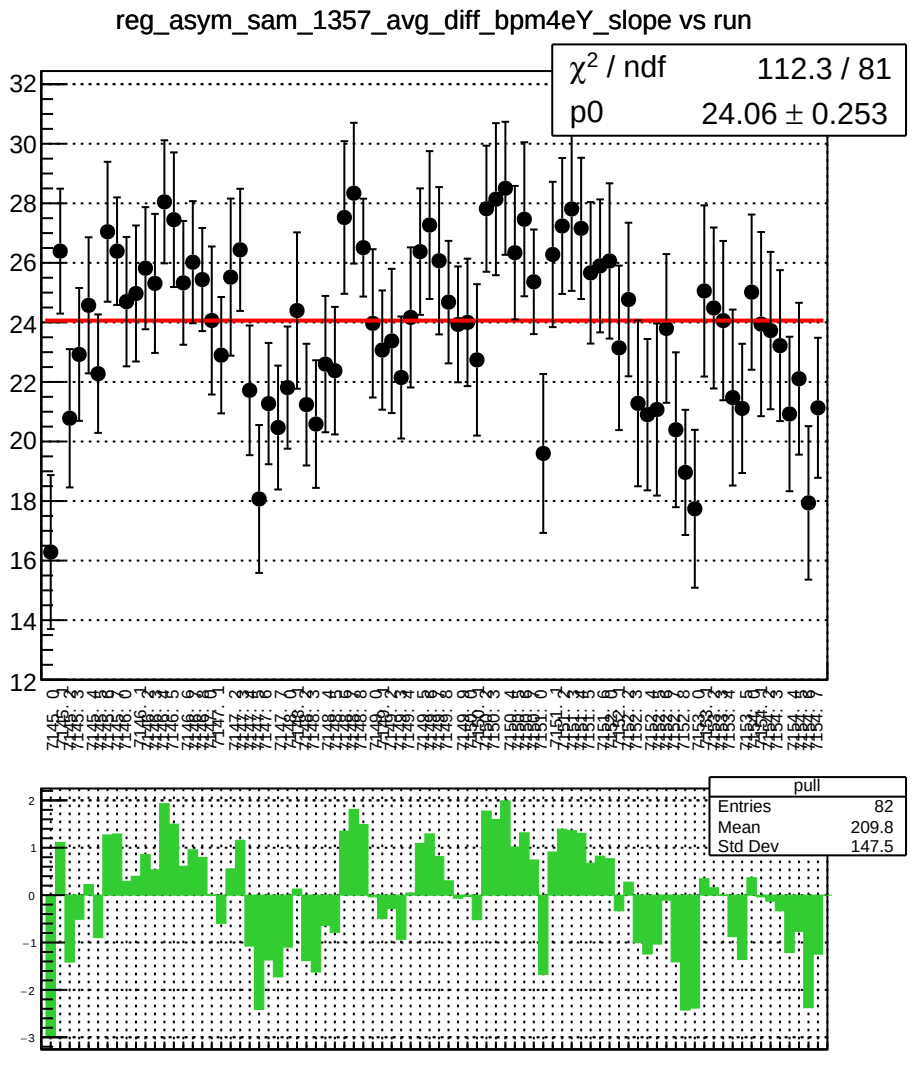

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 369.7 / 81
p0 −8.752 ± 0.2697
pull
Entries 82
Mean 114.7
Std Dev 76.58

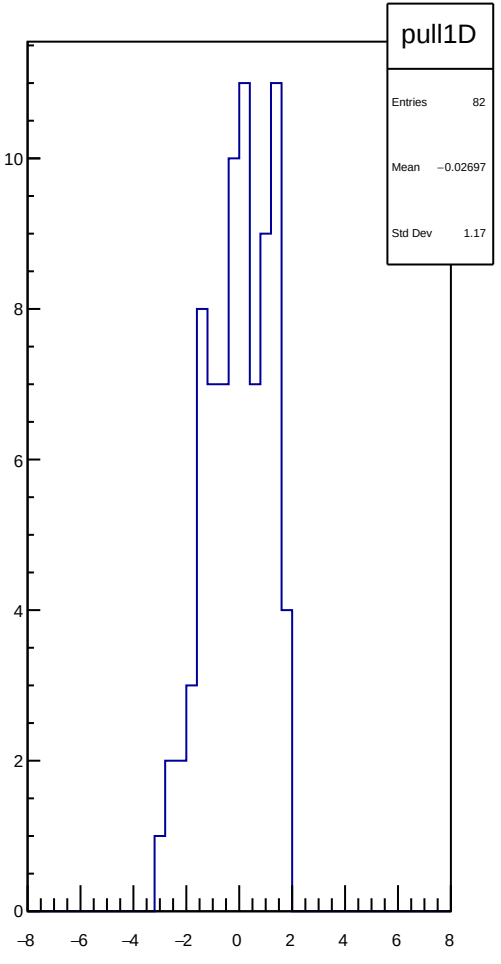

pull1D
Entries 82
Mean 0.1044
Std Dev 2.121

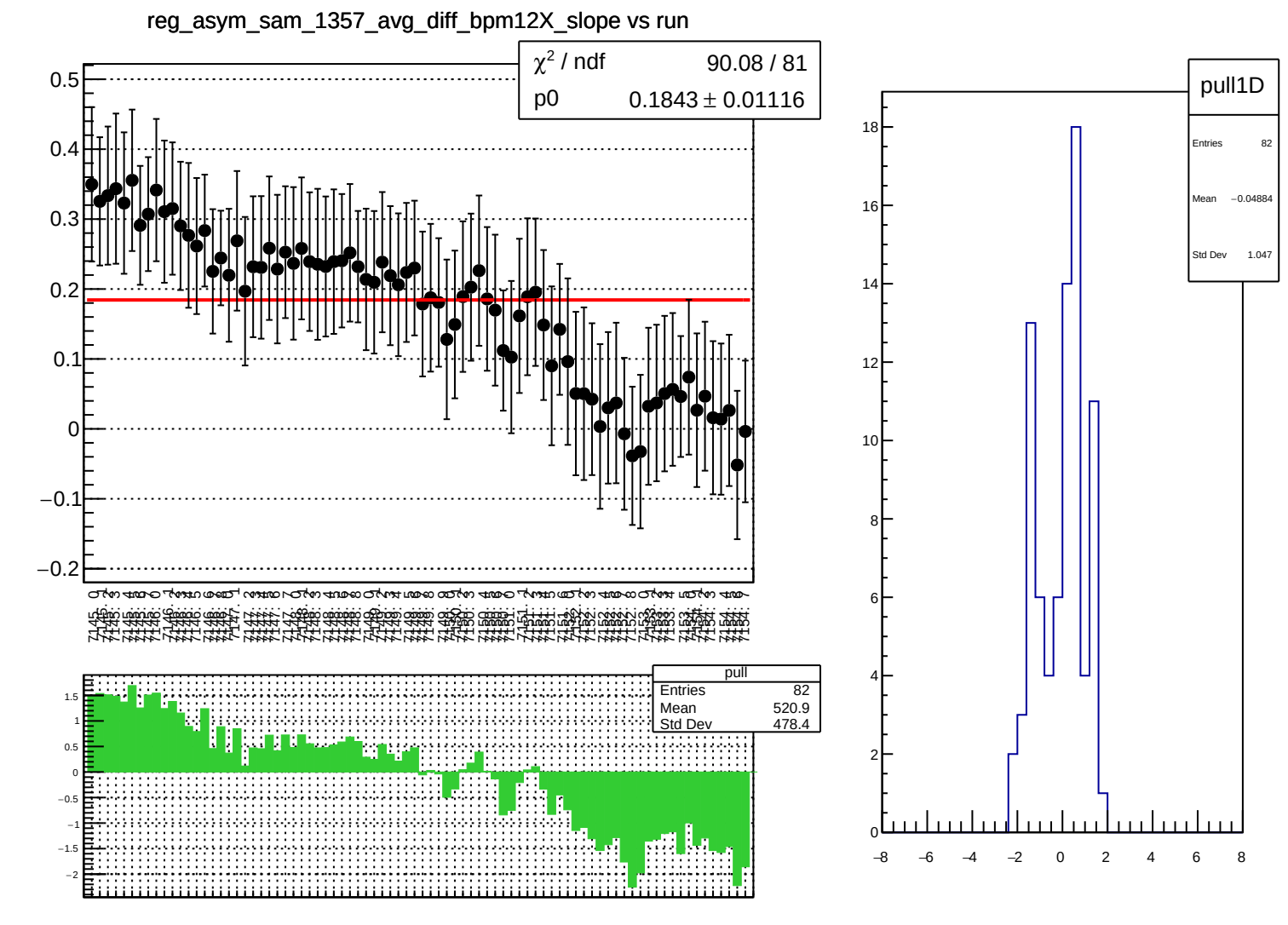

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 81
p0 3.629 ± 0.2315
pull
Entries 82
Mean −13.49
Std Dev 56.94
pull1D
Entries 82
Mean 0.02024
Std Dev 1.224

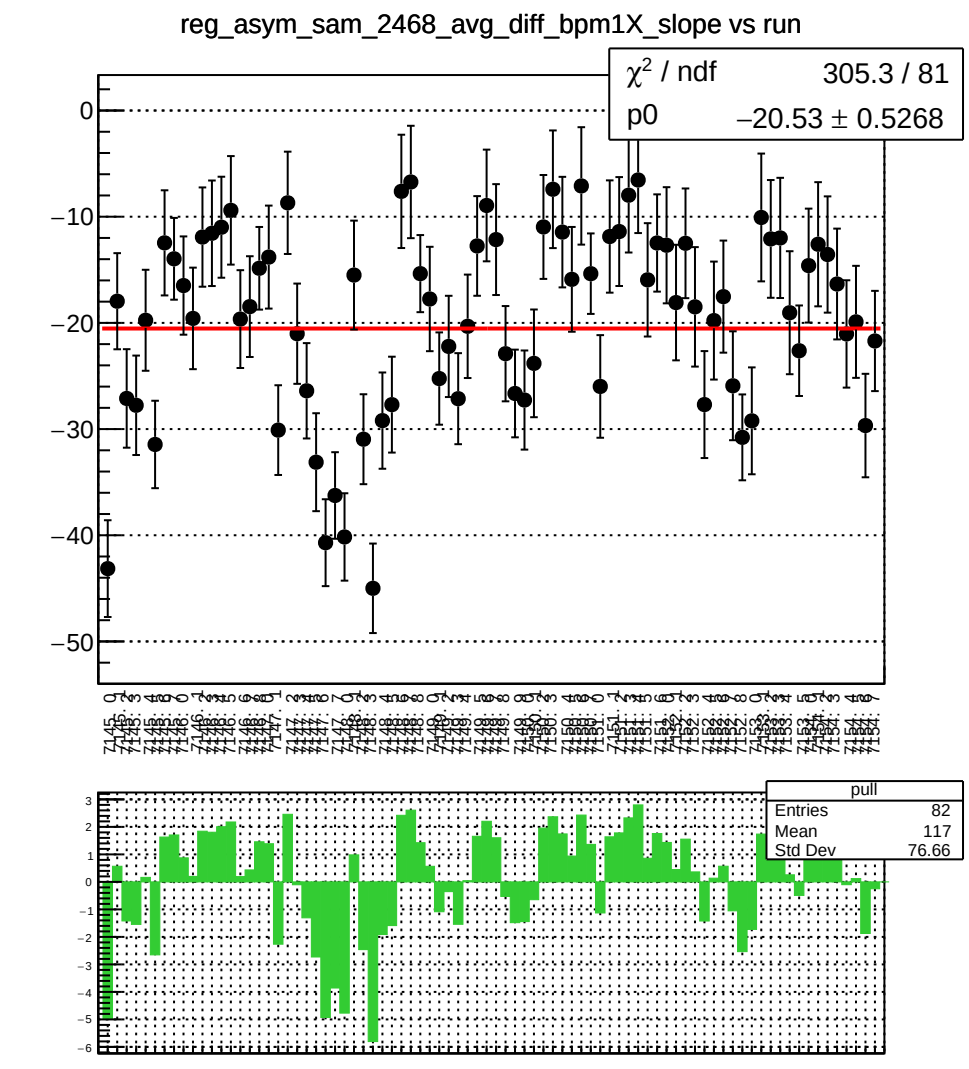

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 323.3 / 81
p0 −20.92 ± 0.2761
pull
Entries 82
Mean 107.5
Std Dev 68.68

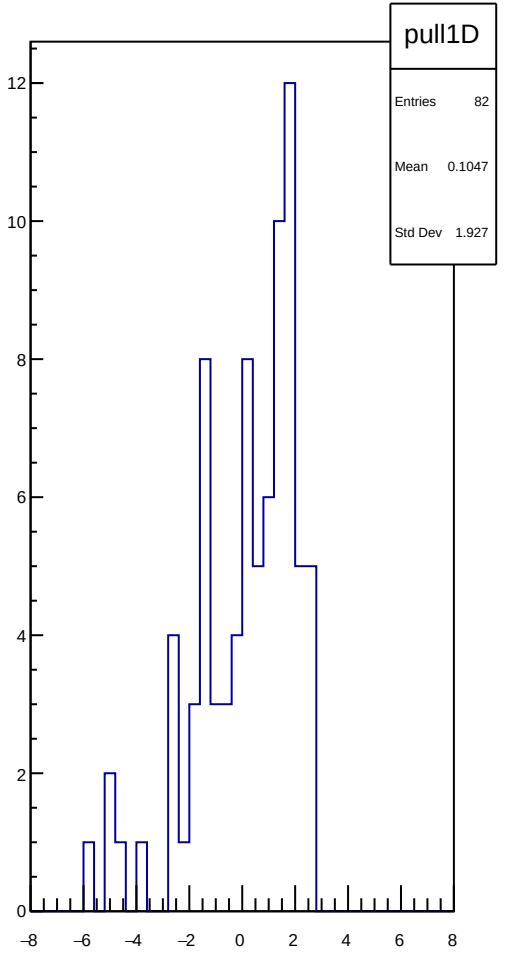

pull1D
Entries 82
Mean −0.1021
Std Dev 1.983

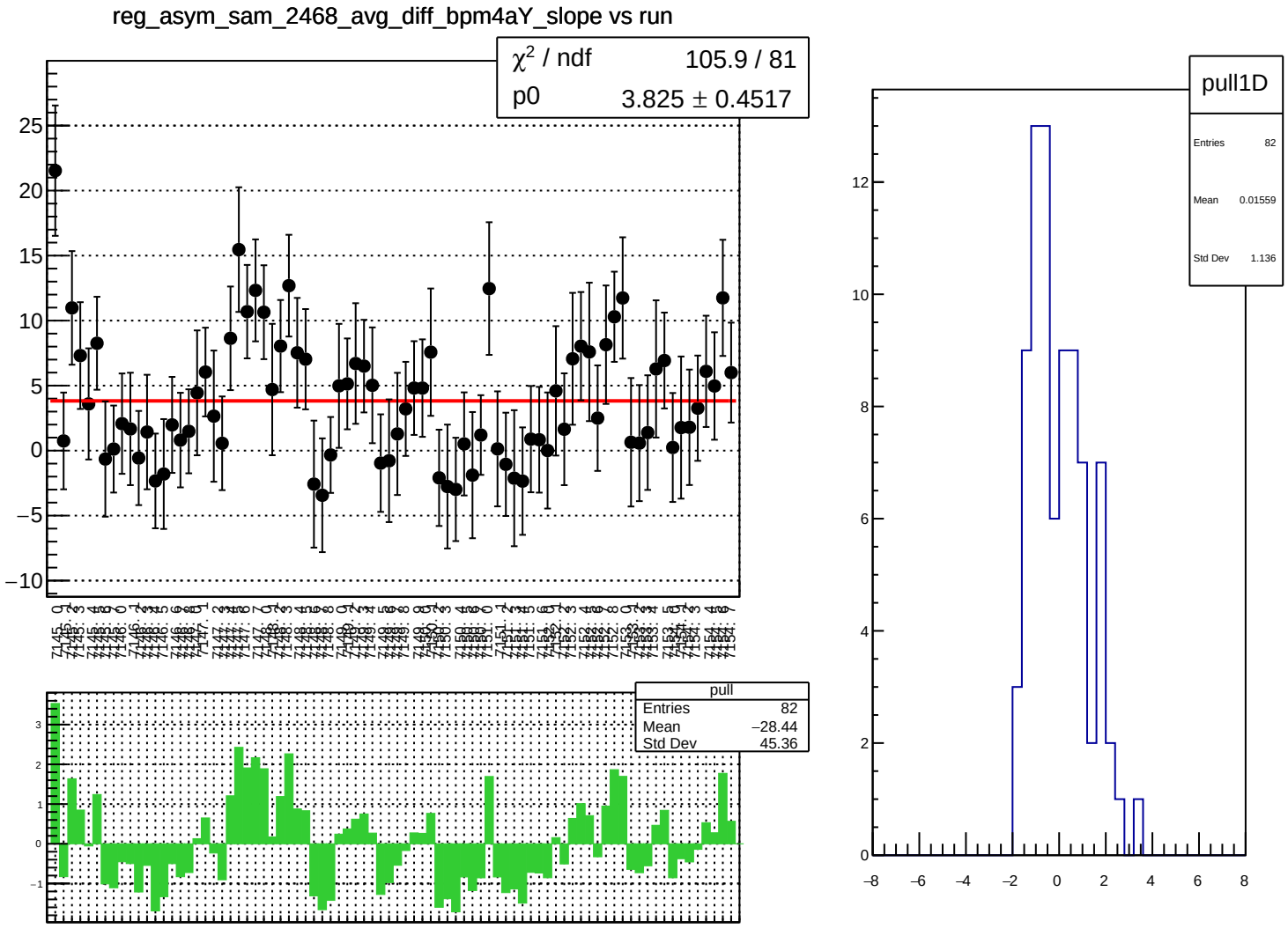

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 112.3 / 81
p0 24.06 ± 0.253
pull
Entries 82
Mean 209.8
Std Dev 147.5

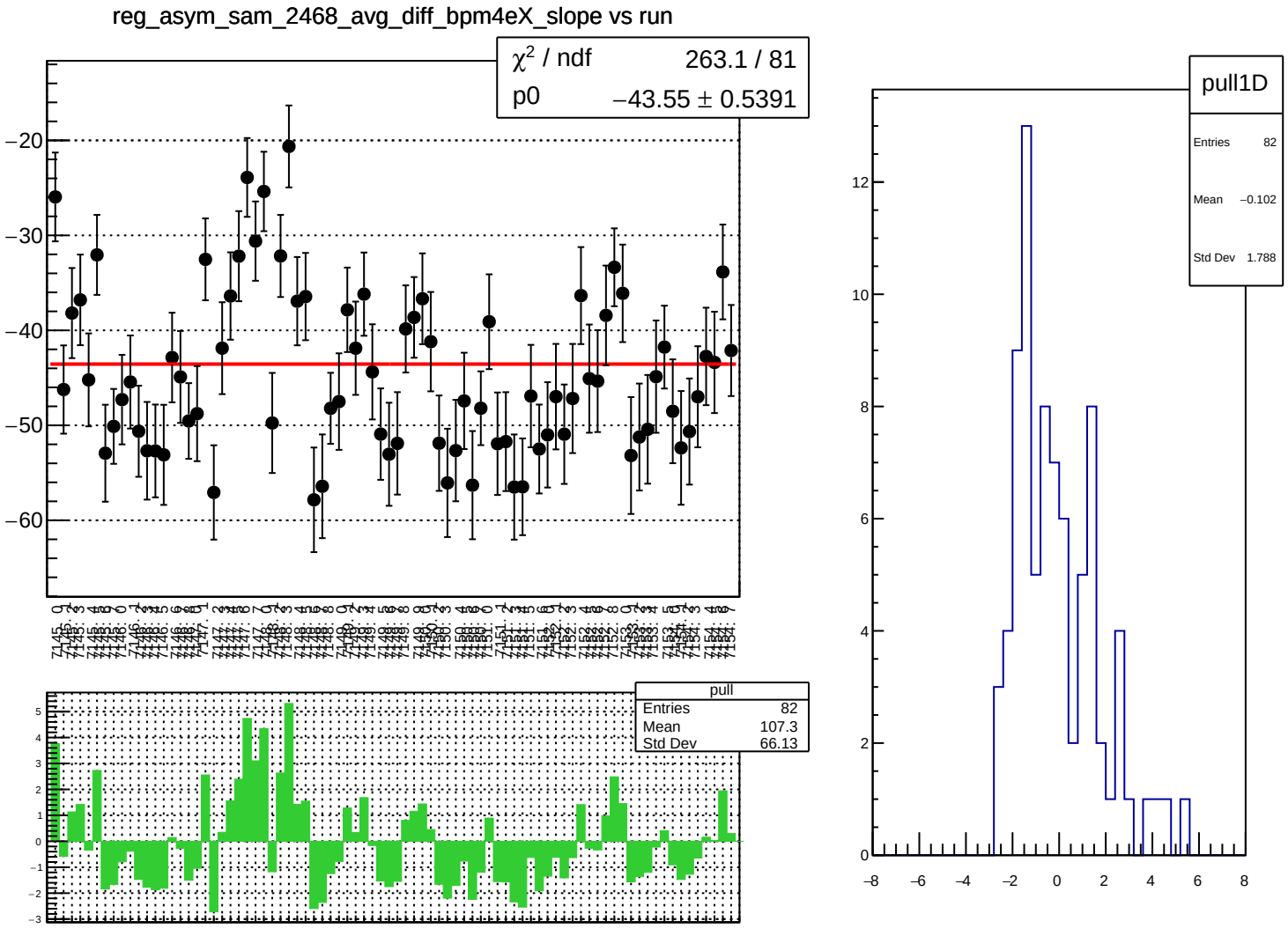

pull1D
Entries 82
Mean −0.02697
Std Dev 1.17

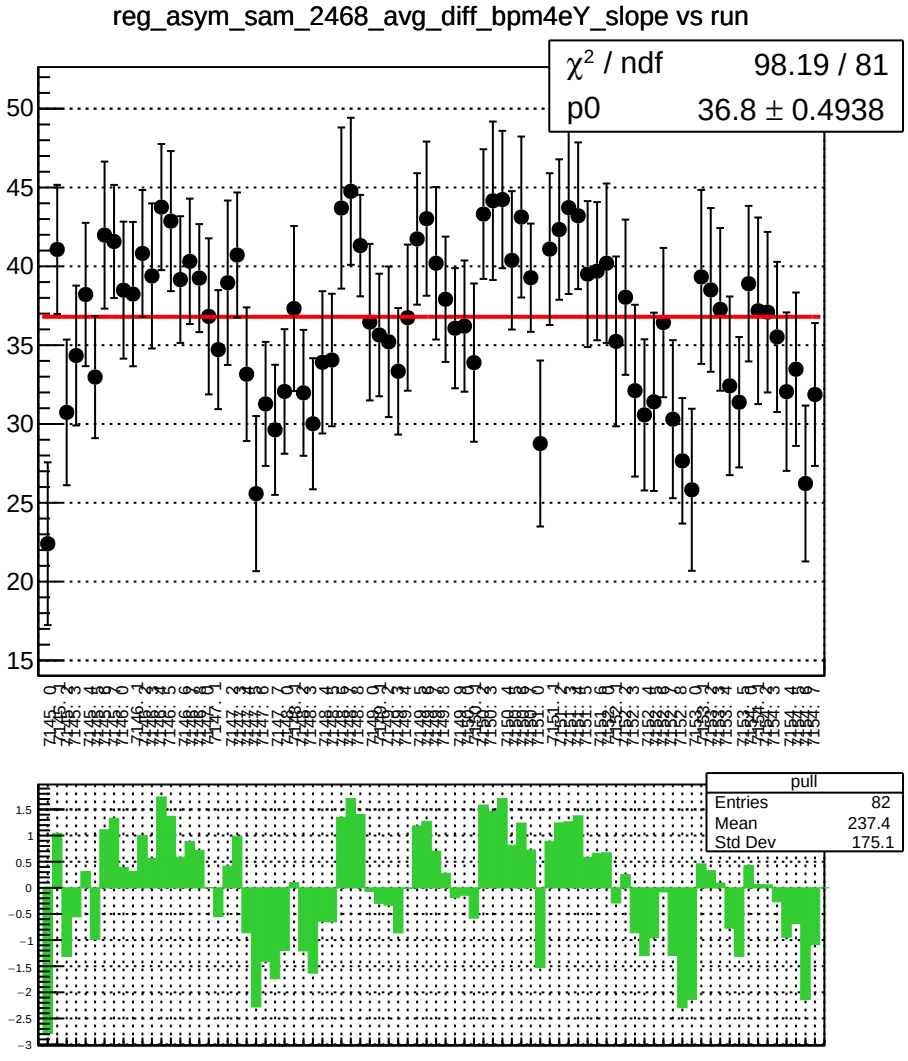

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 90.08 / 81
p0 0.1843 ± 0.01116
pull
Entries 82
Mean 520.9
Std Dev 478.4
pull1D
Entries 82
Mean −0.04884
Std Dev 1.047

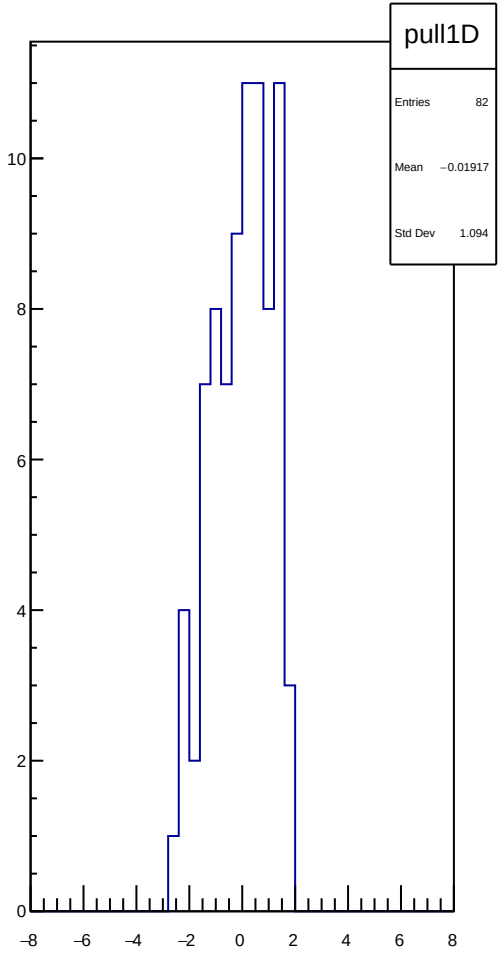

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 305.3 / 81
p0 −20.53 ± 0.5268
pull
Entries 82
Mean 117
Std Dev 76.66

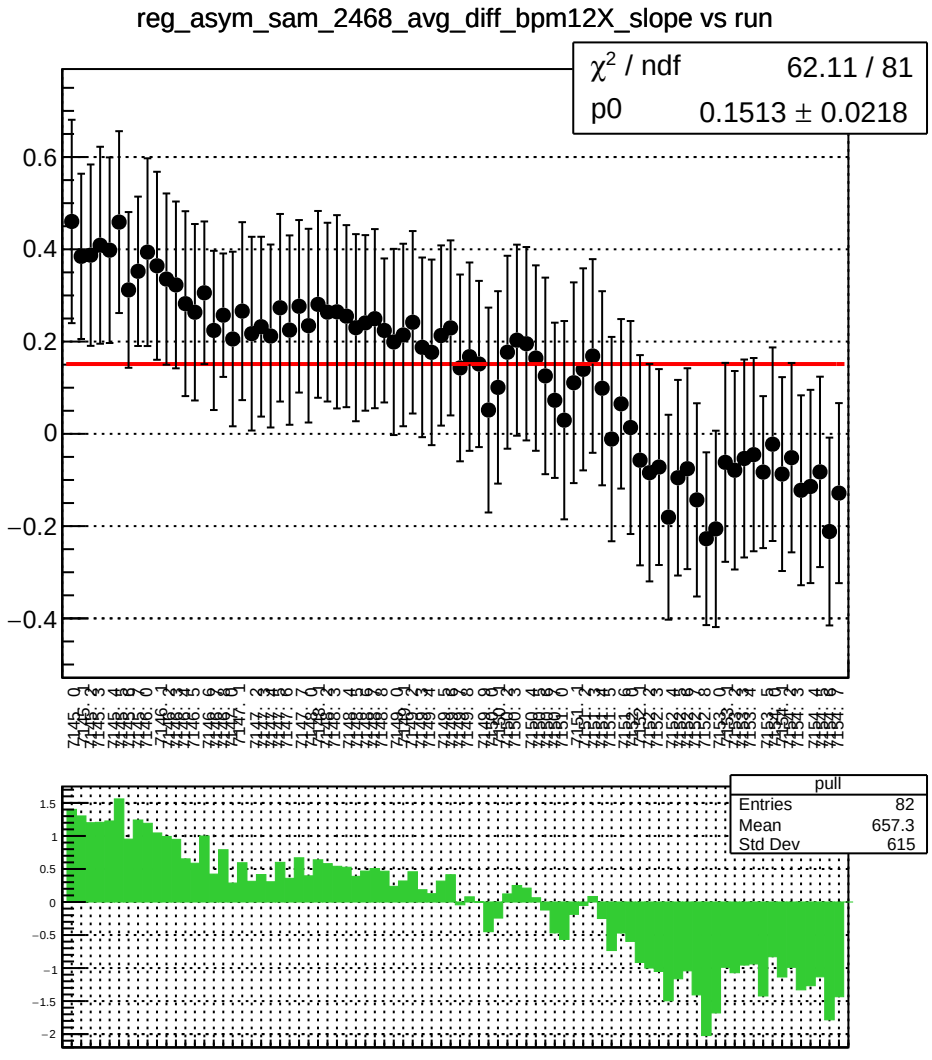

pull1D
Entries 82
Mean 0.1047
Std Dev 1.927

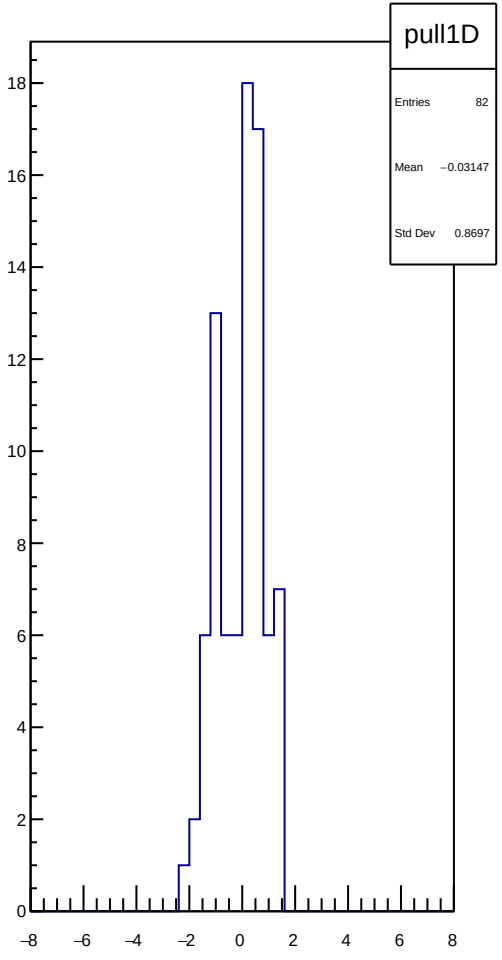

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.9 / 81
p0 3.825 ± 0.4517
pull
Entries 82
Mean −28.44
Std Dev 45.36
pull1D
Entries 82
Mean 0.01559
Std Dev 1.136

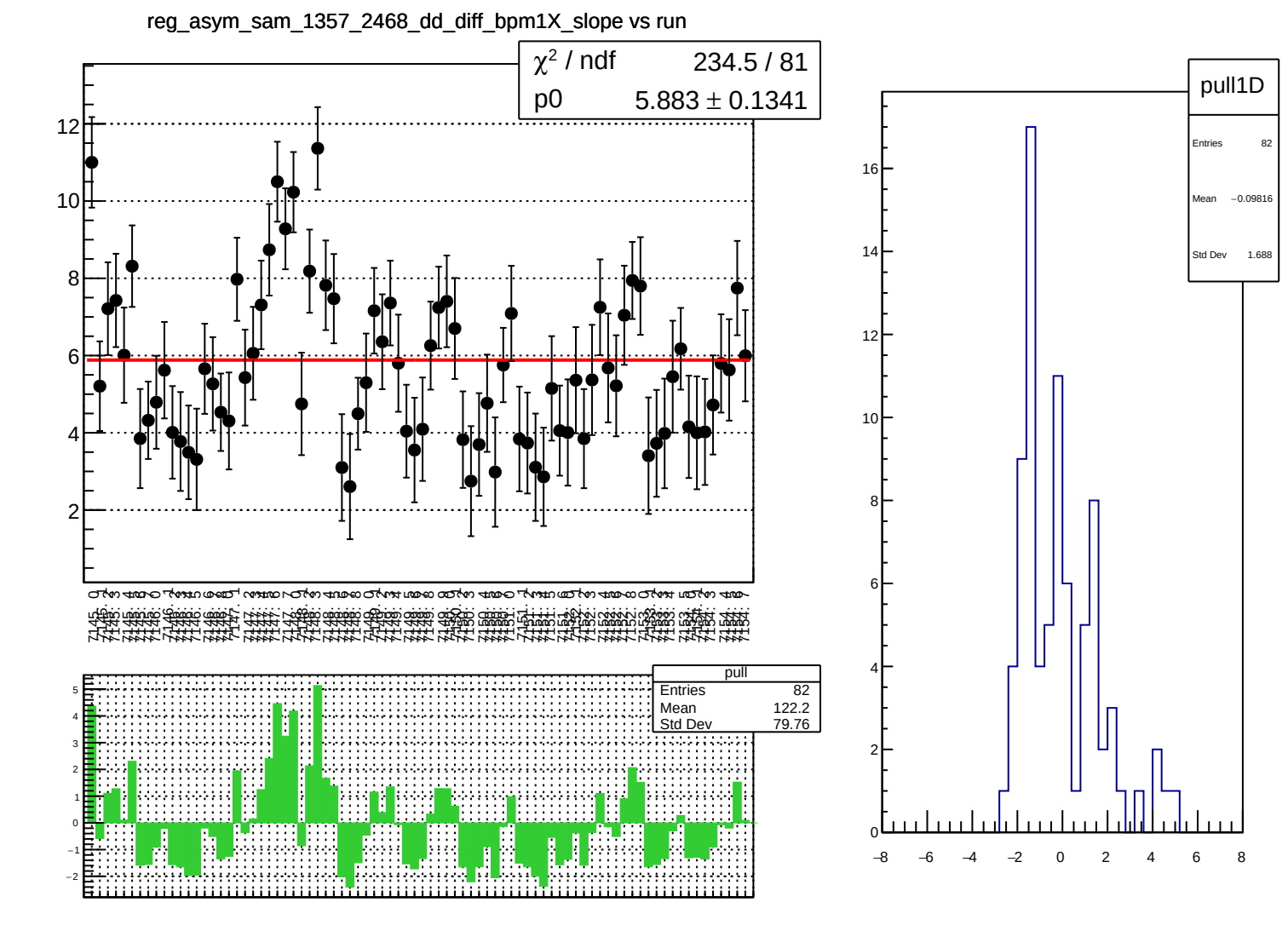

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.1 / 81
p0 −43.55 ± 0.5391
pull
Entries 82
Mean 107.3
Std Dev 66.13
pull1D
Entries 82
Mean −0.102
Std Dev 1.788

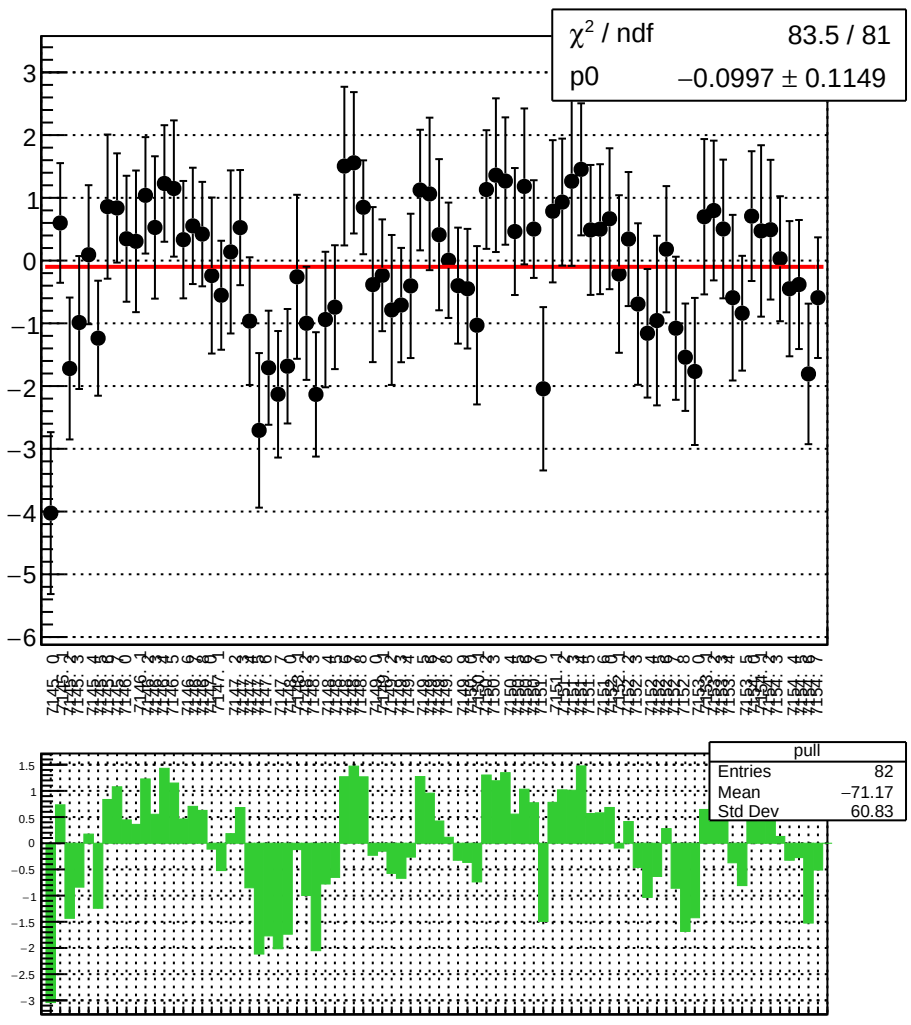

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.19 / 81
p0 36.8 ± 0.4938
pull
Entries 82
Mean 237.4
Std Dev 175.1

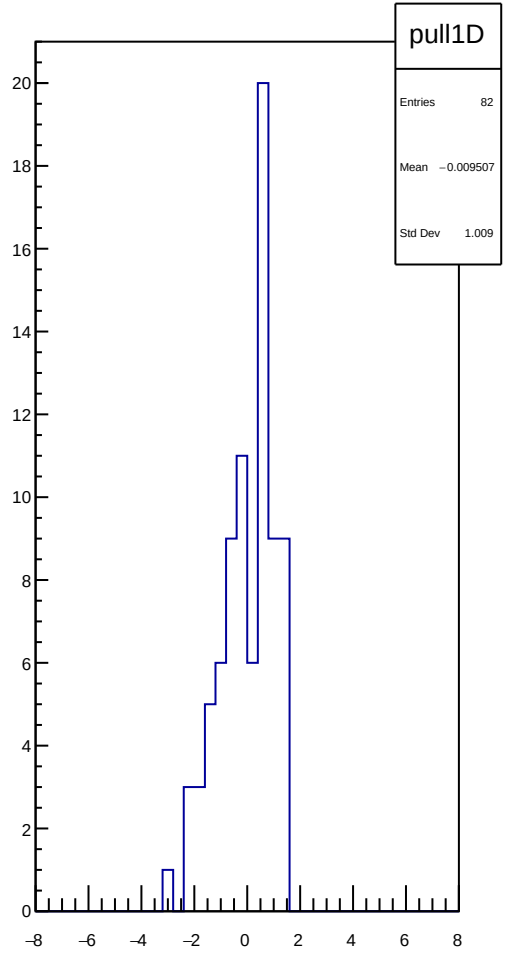

pull1D
Entries 82
Mean −0.01917
Std Dev 1.094

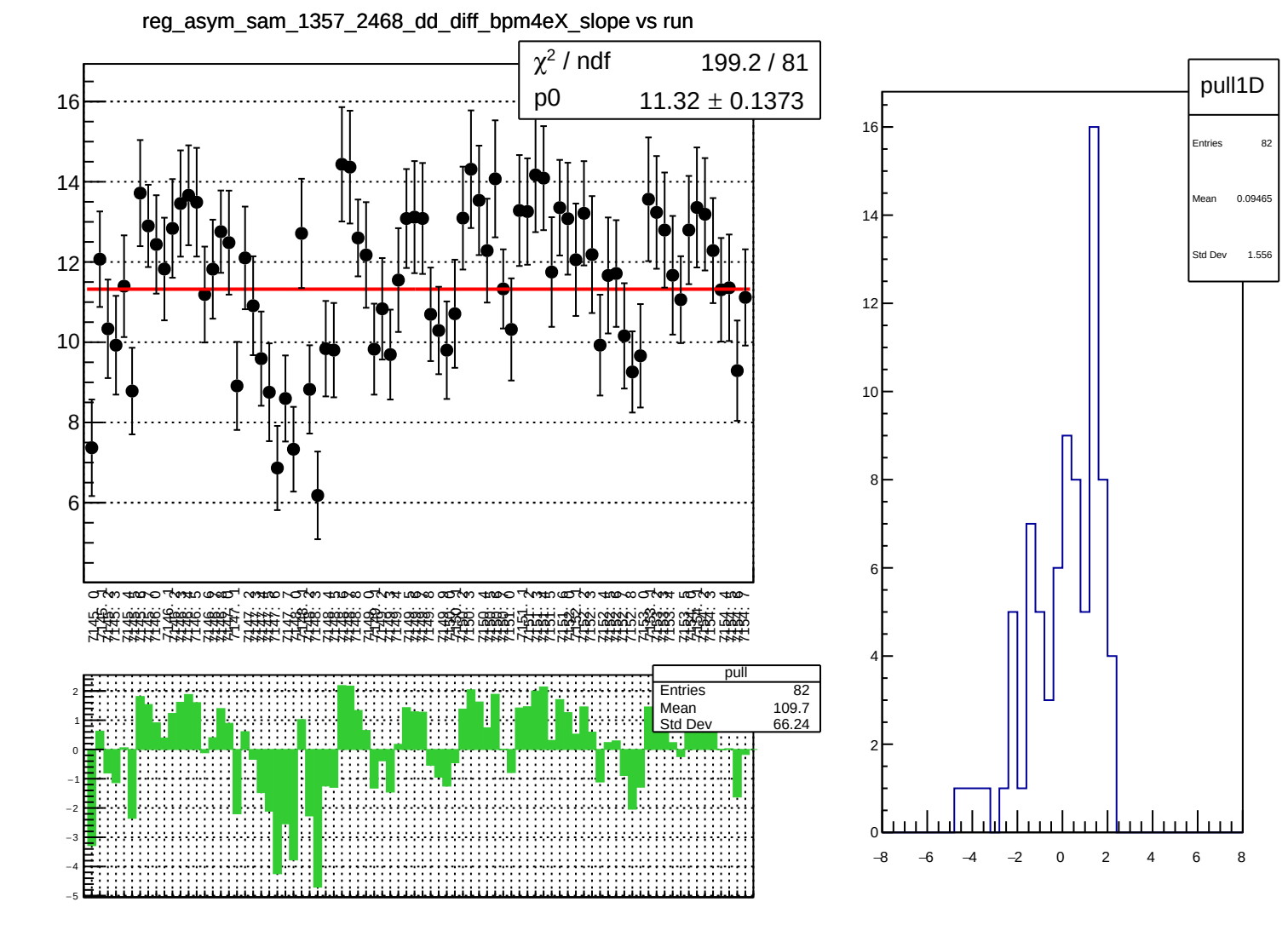

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 62.11 / 81
p0 0.1513 ± 0.0218
pull
Entries 82
Mean 657.3
Std Dev 615

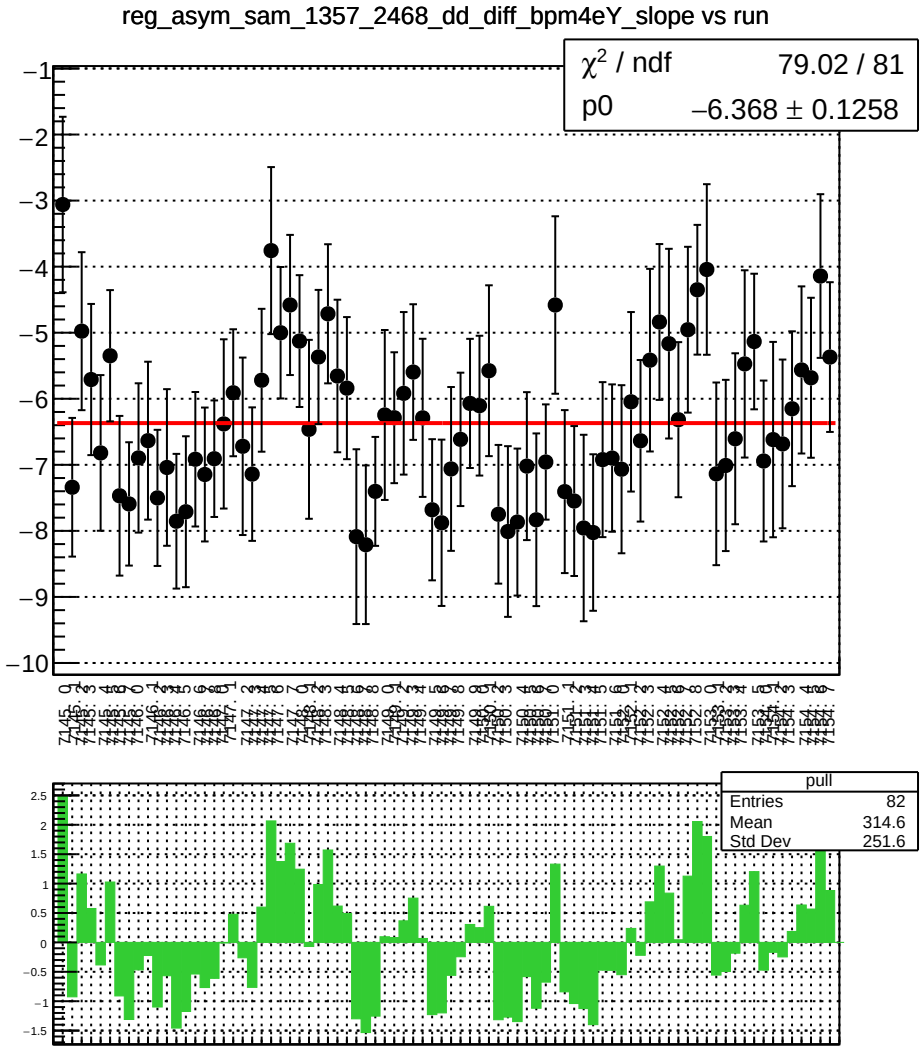

pull1D
Entries 82
Mean −0.03147
Std Dev 0.8697

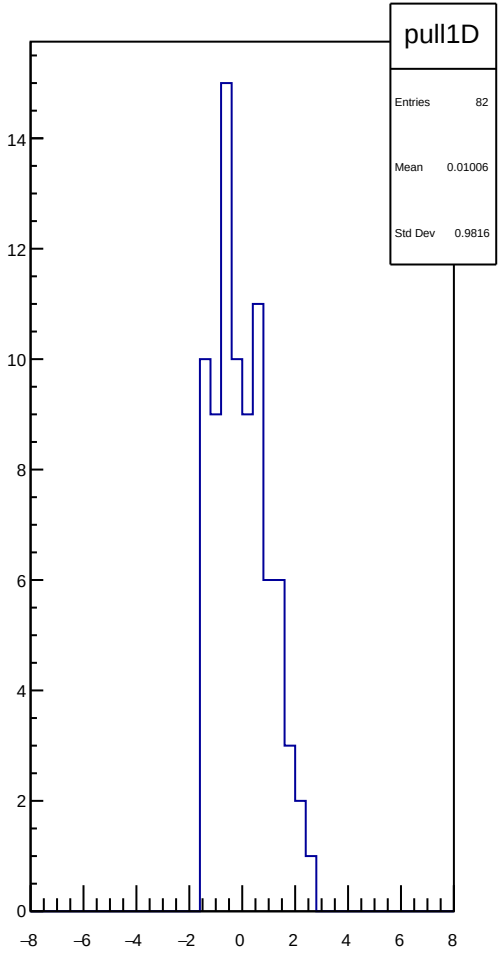

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 234.5 / 81
p0 5.883 ± 0.1341
pull
Entries 82
Mean 122.2
Std Dev 79.76
pull1D
Entries 82
Mean −0.09816
Std Dev 1.688

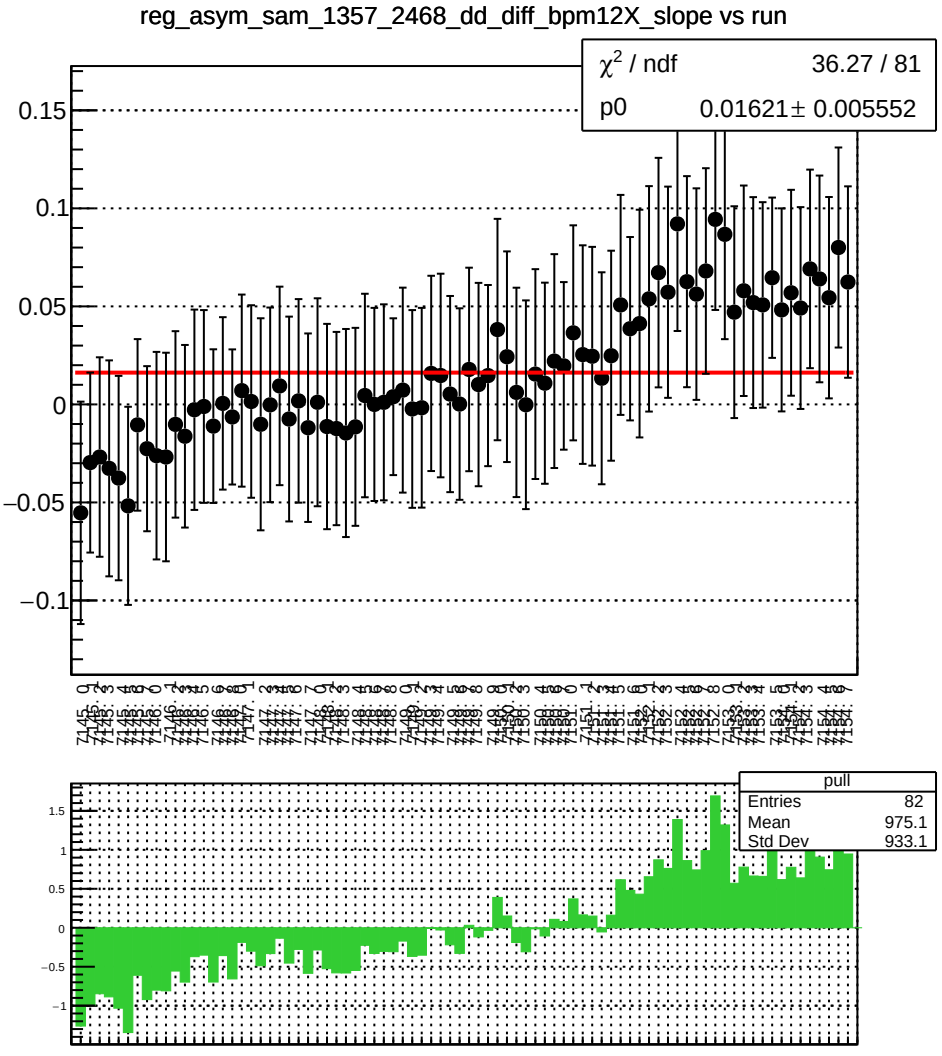

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 83.5 / 81
p0 −0.0997 ± 0.1149
pull
Entries 82
Mean −71.17
Std Dev 60.83

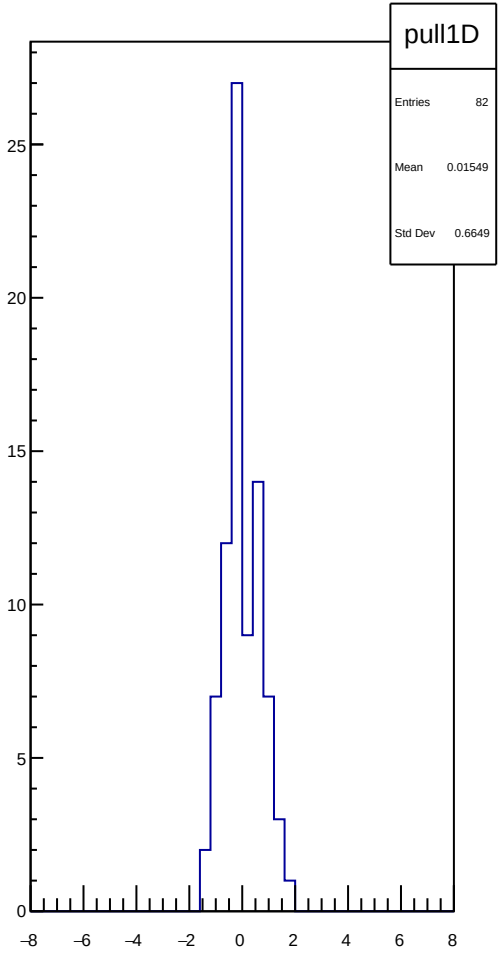

pull1D
Entries 82
Mean −0.009507
Std Dev 1.009

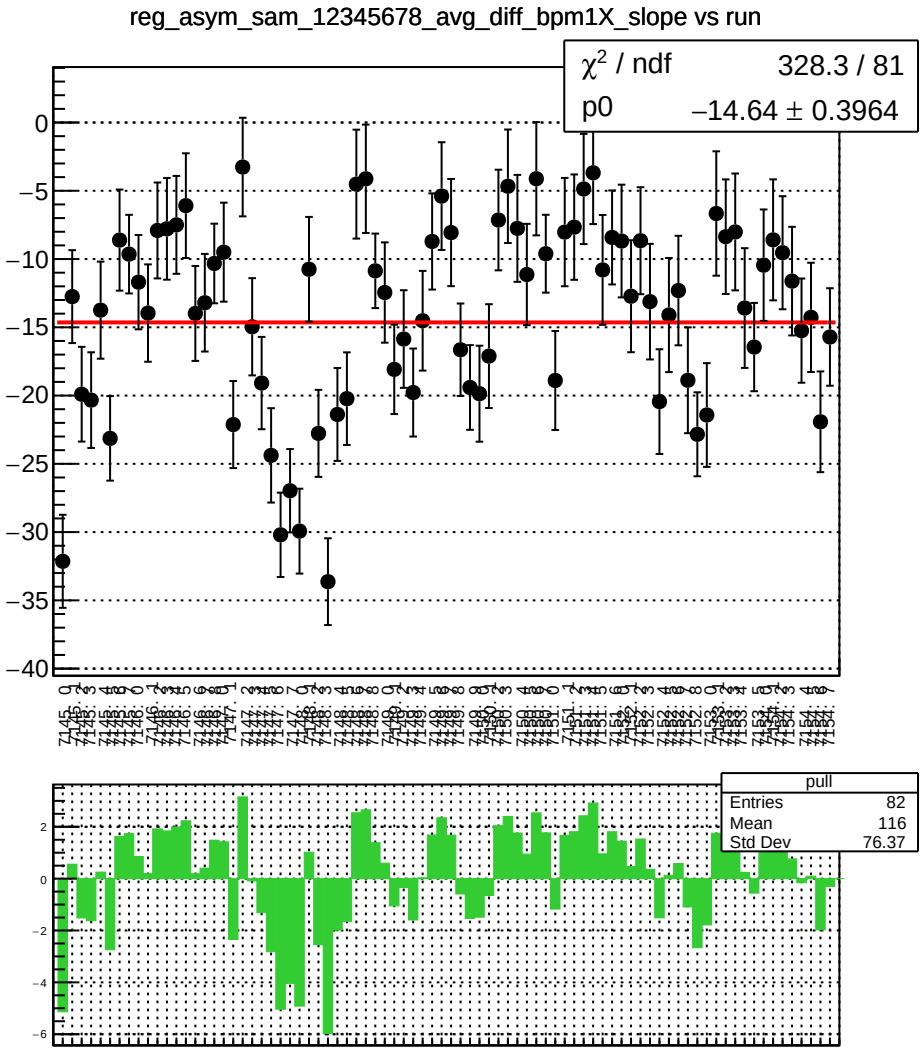

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 199.2 / 81
p0 11.32 ± 0.1373
pull
Entries 82
Mean 109.7
Std Dev 66.24
pull1D
Entries 82
Mean 0.09465
Std Dev 1.556

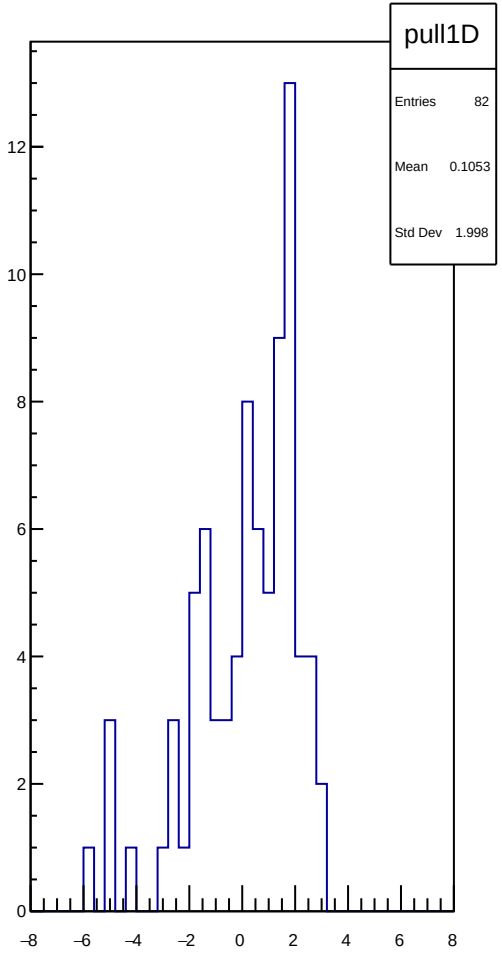

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.02 / 81
p0 −6.368 ± 0.1258
pull
Entries 82
Mean 314.6
Std Dev 251.6

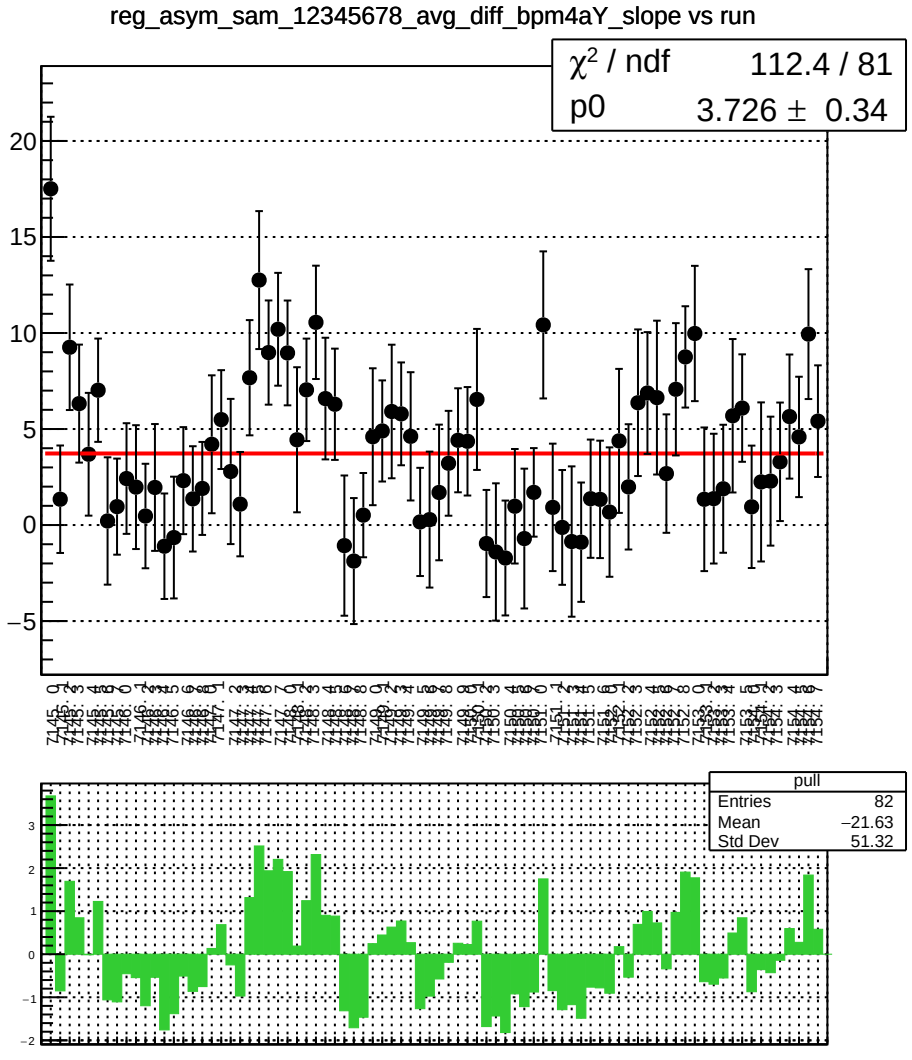

pull1D
Entries 82
Mean 0.01006
Std Dev 0.9816

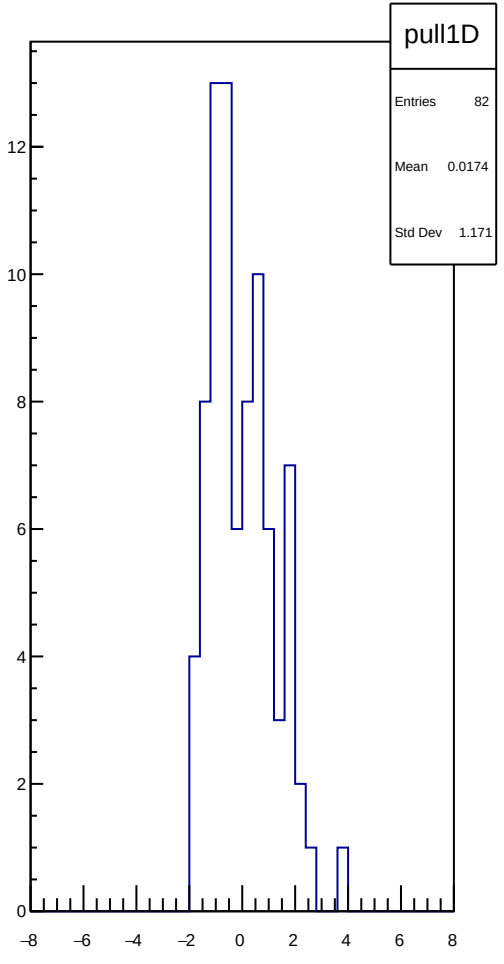

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 36.27 / 81
p0 0.01621± 0.005552
pull
Entries 82
Mean 975.1
Std Dev 933.1

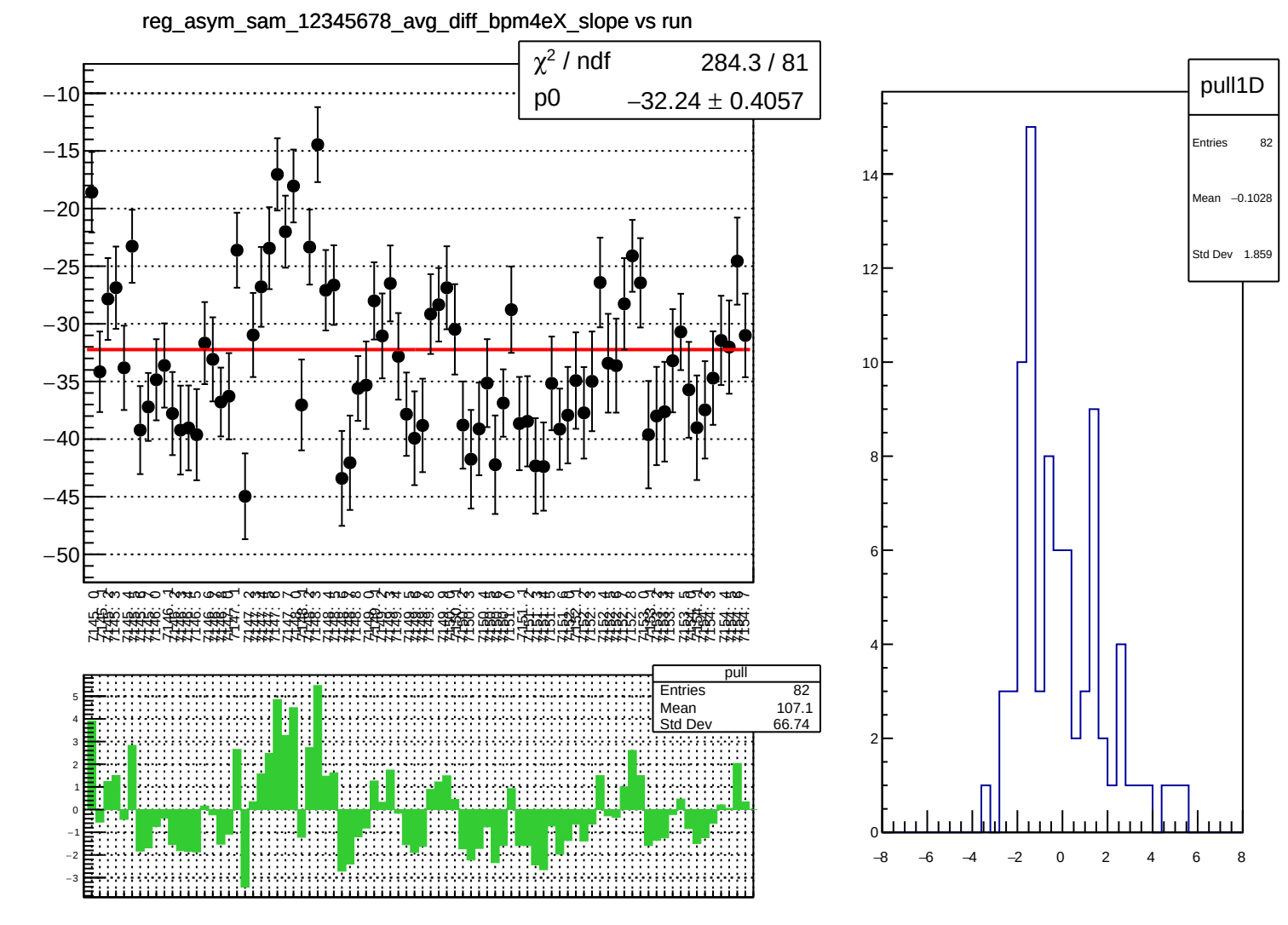

pull1D
Entries 82
Mean 0.01549
Std Dev 0.6649

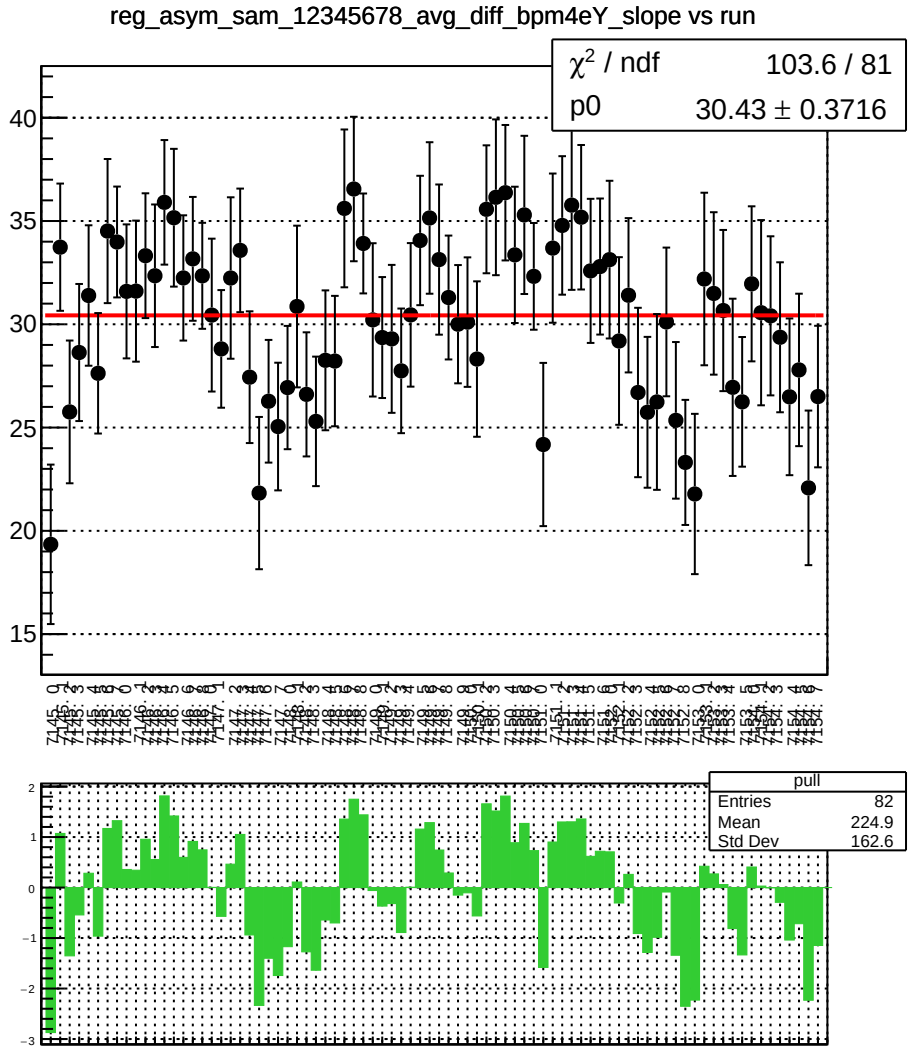

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 328.3 / 81
p0 −14.64 ± 0.3964
pull
Entries 82
Mean 116
Std Dev 76.37

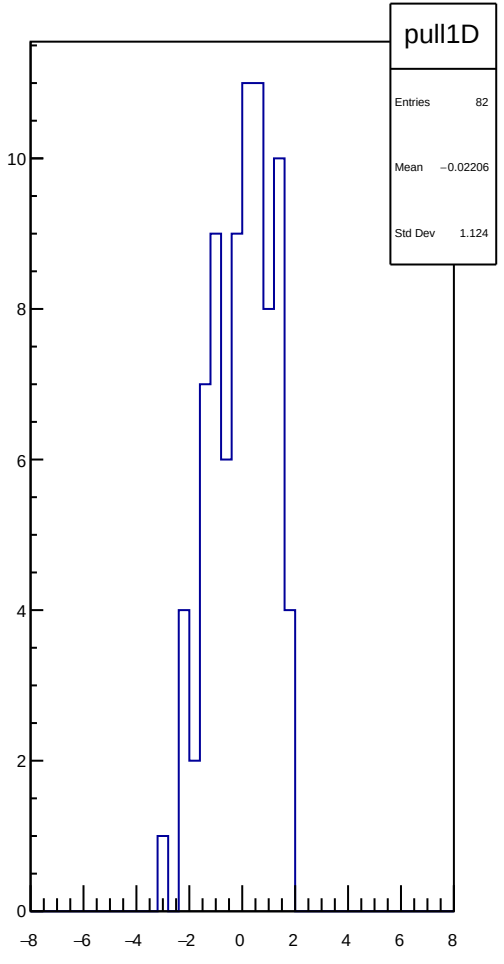

pull1D
Entries 82
Mean 0.1053
Std Dev 1.998

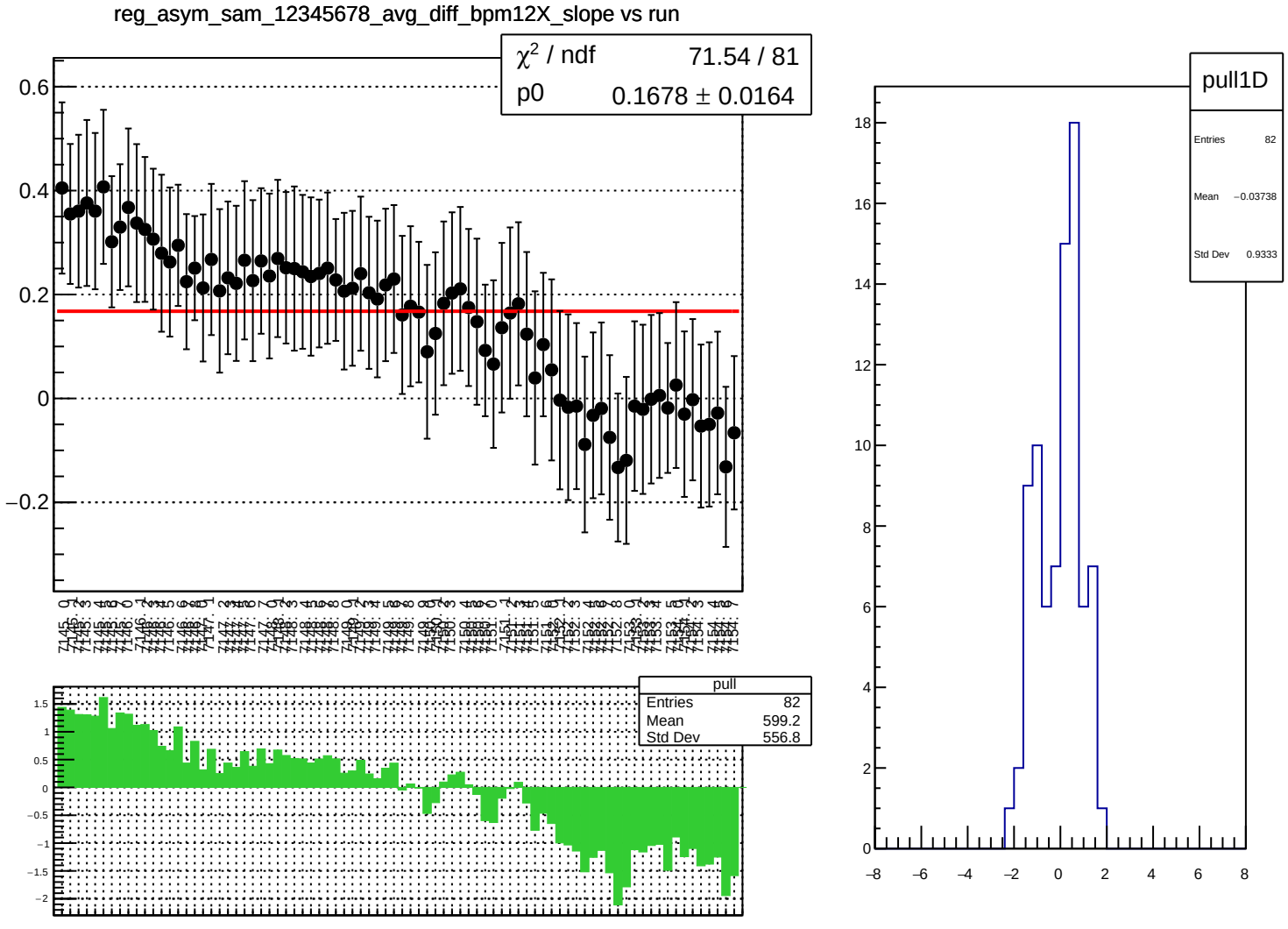

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 112.4 / 81
p0 3.726 ± 0.34
pull
Entries 82
Mean −21.63
Std Dev 51.32

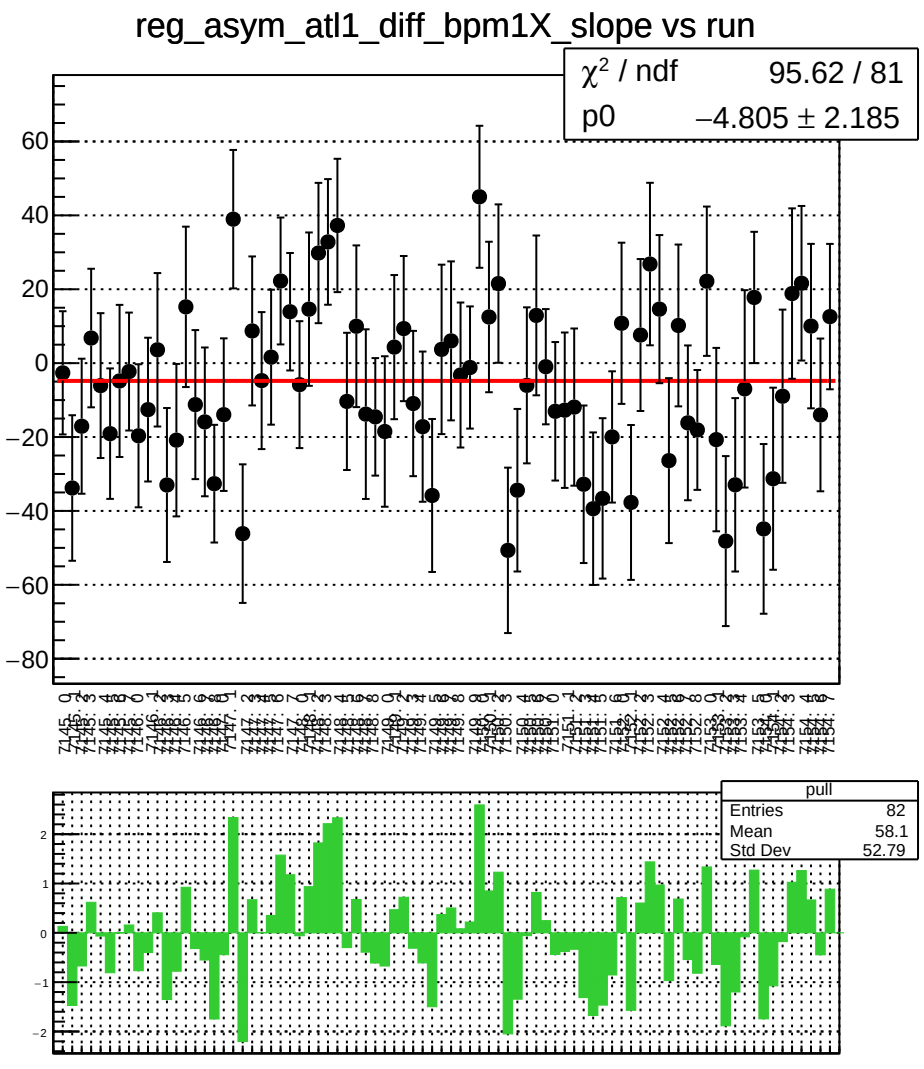

pull1D
Entries 82
Mean 0.0174
Std Dev 1.171

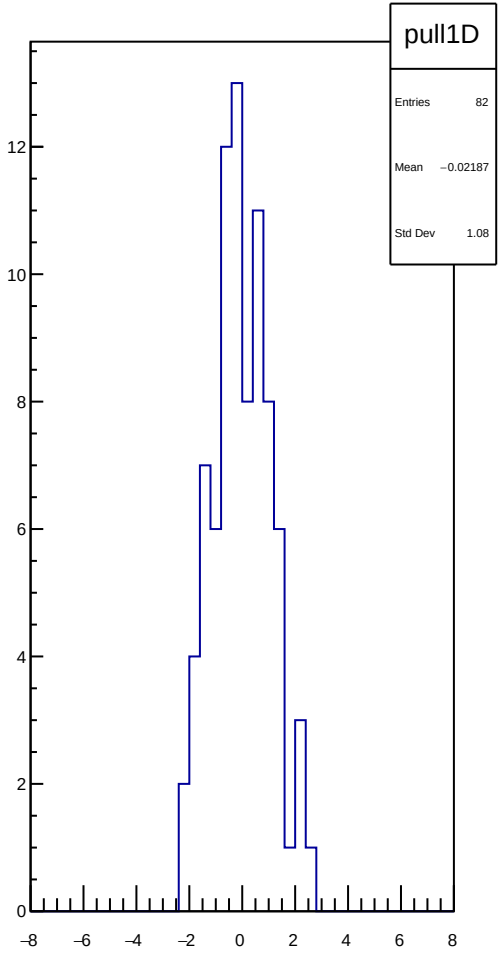

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 284.3 / 81
p0 −32.24 ± 0.4057
pull
Entries 82
Mean 107.1
Std Dev 66.74
pull1D
Entries 82
Mean −0.1028
Std Dev 1.859

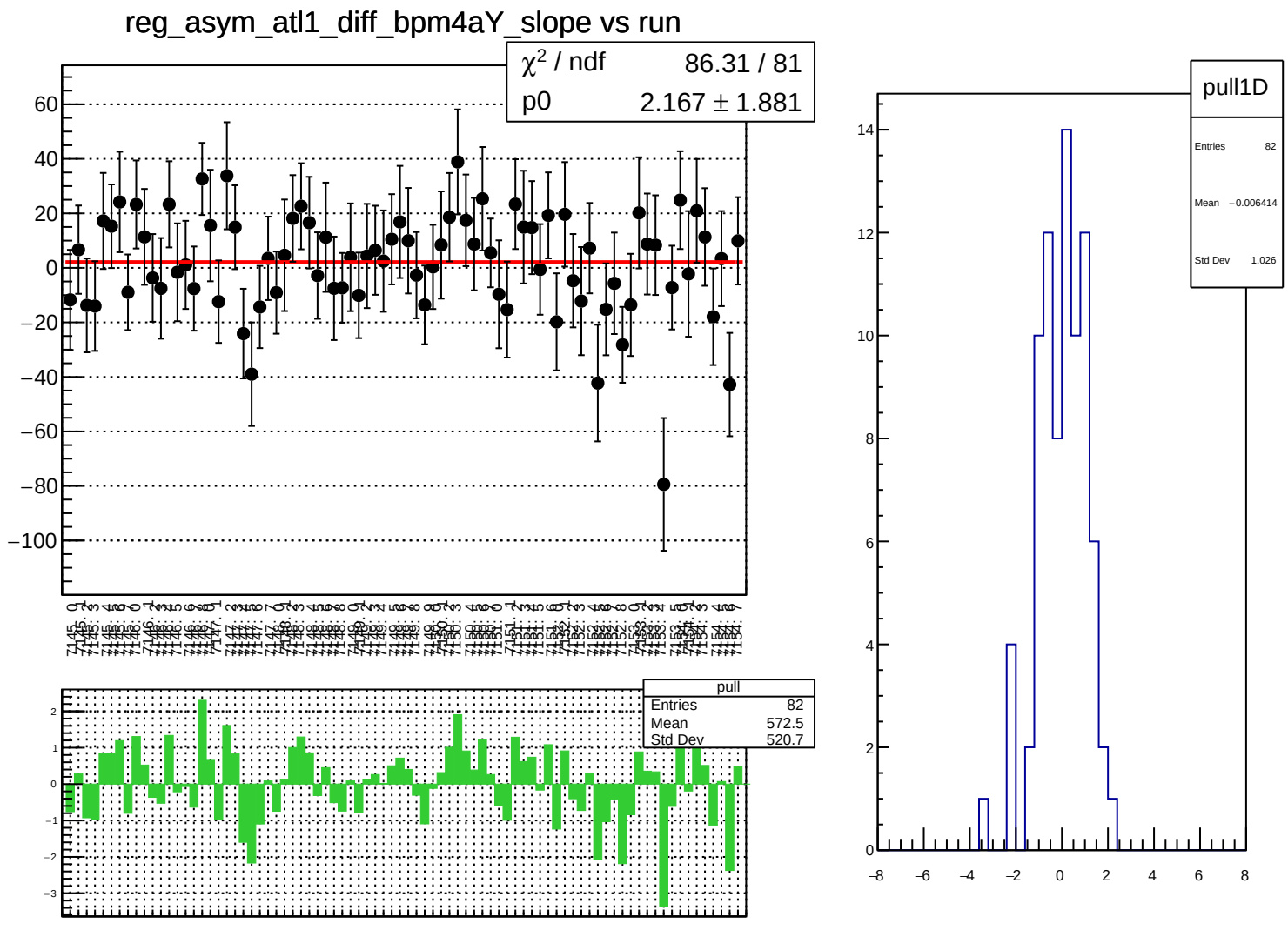

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.6 / 81
p0 30.43 ± 0.3716
pull
Entries 82
Mean 224.9
Std Dev 162.6

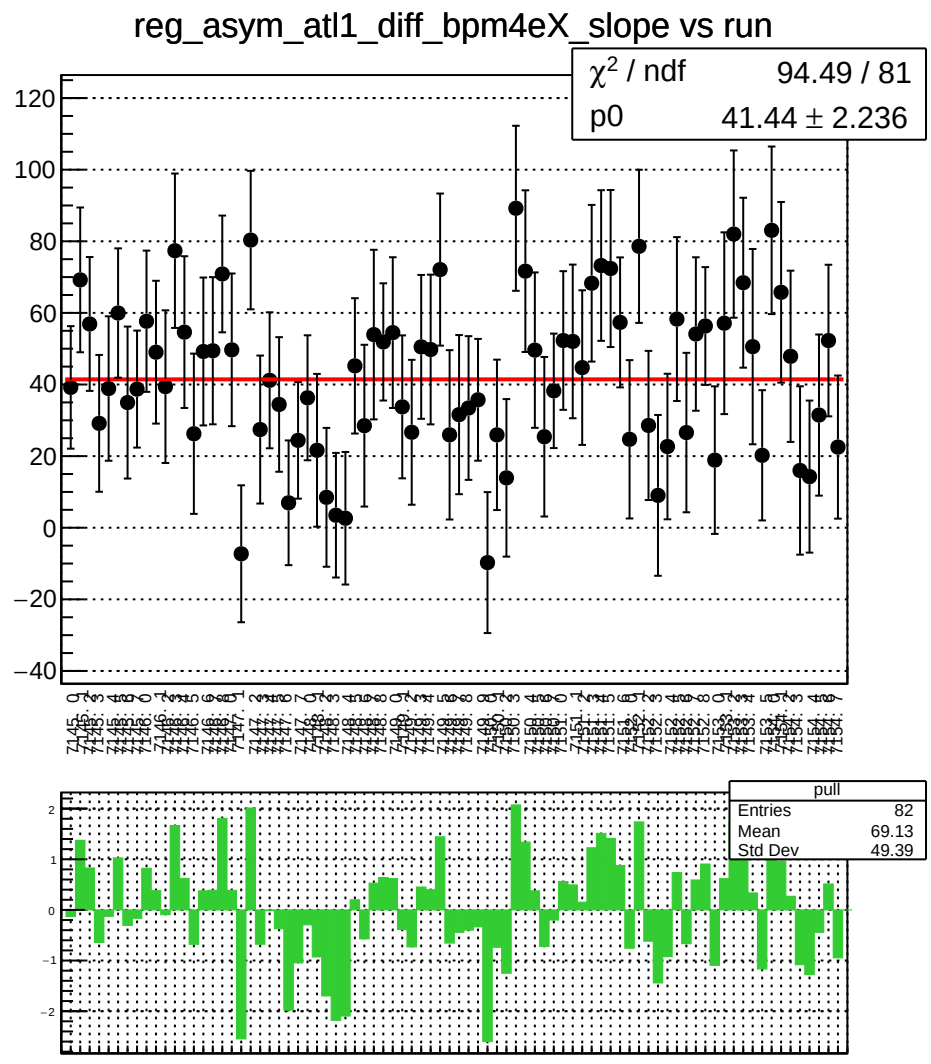

pull1D
Entries 82
Mean −0.02206
Std Dev 1.124

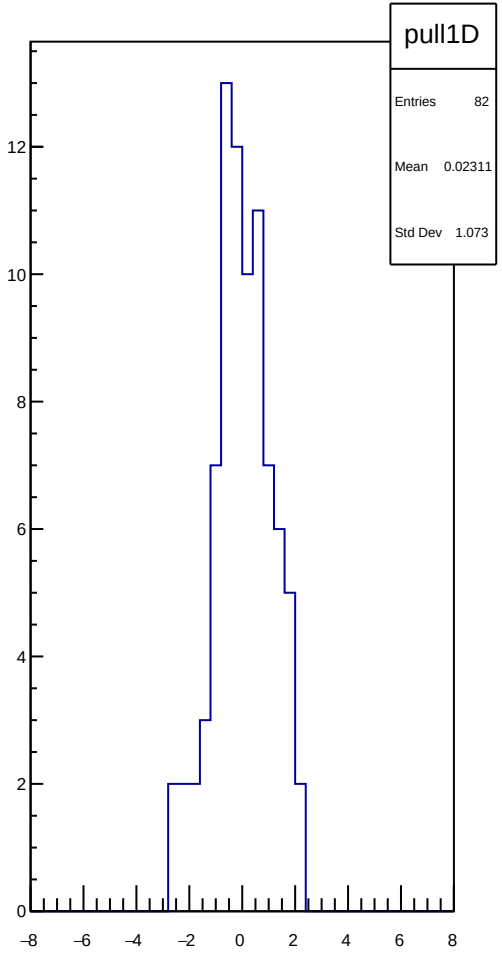

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 71.54 / 81
p0 0.1678 ± 0.0164
pull
Entries 82
Mean 599.2
Std Dev 556.8
pull1D
Entries 82
Mean −0.03738
Std Dev 0.9333

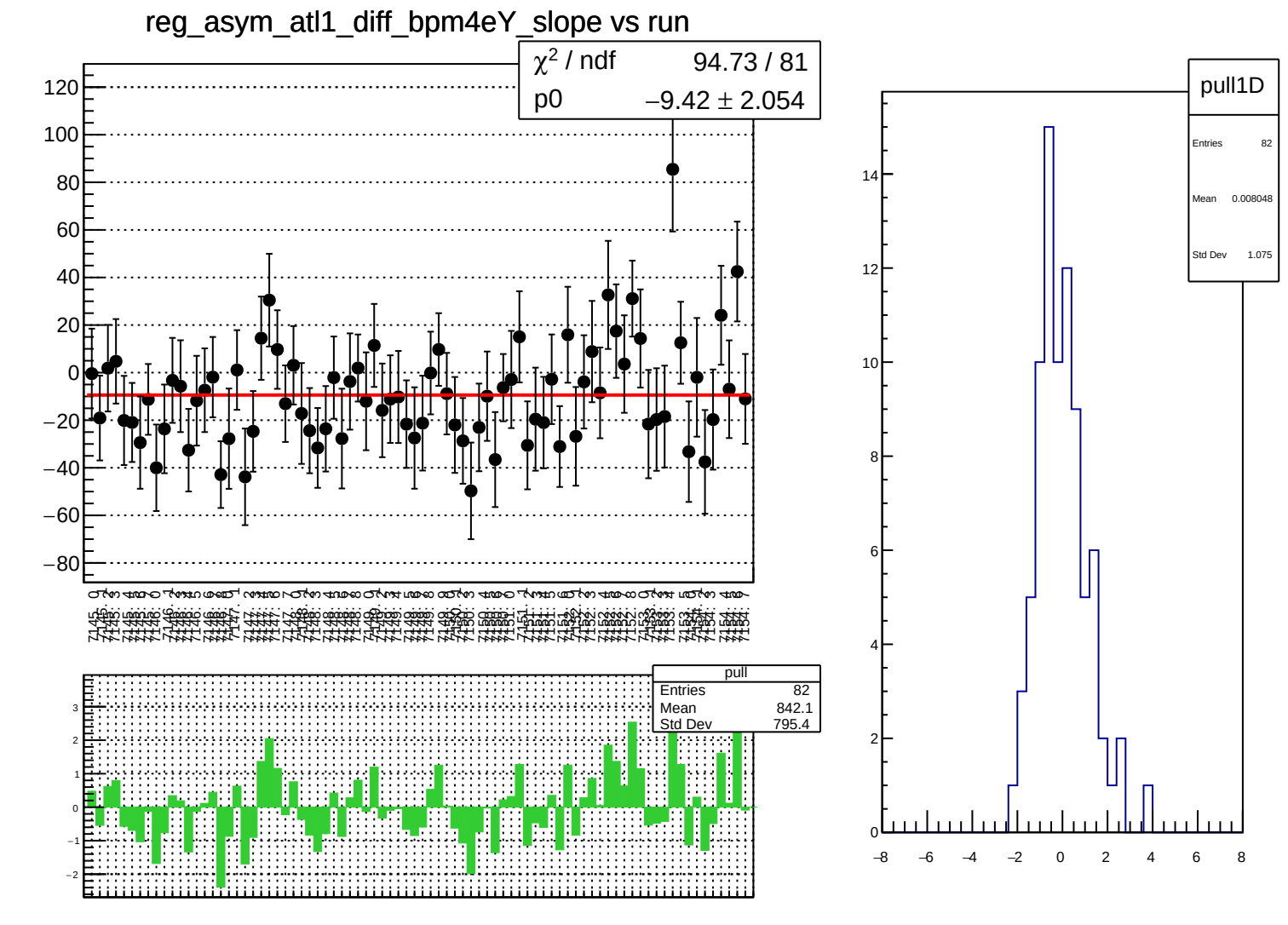

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 95.62 / 81
p0 −4.805 ± 2.185
pull
Entries 82
Mean 58.1
Std Dev 52.79

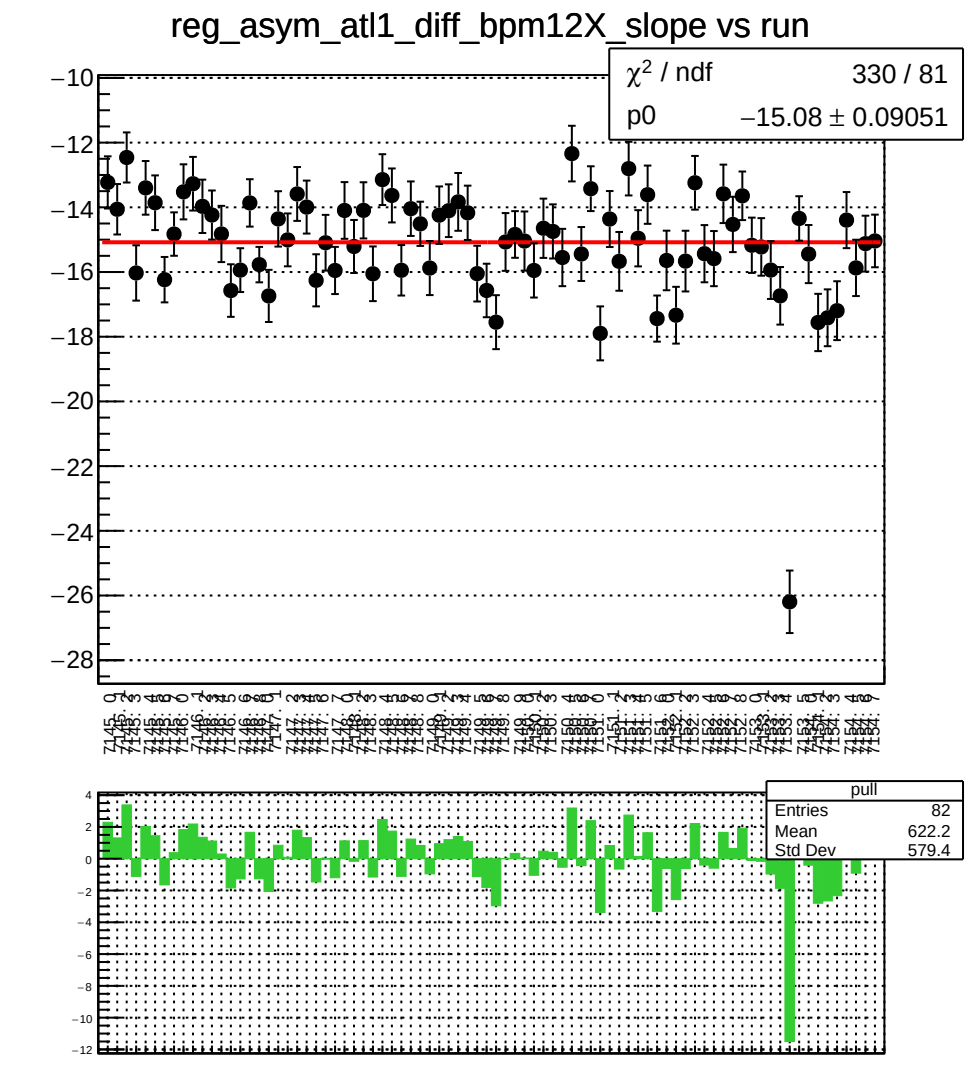

pull1D
Entries 82
Mean −0.02187
Std Dev 1.08

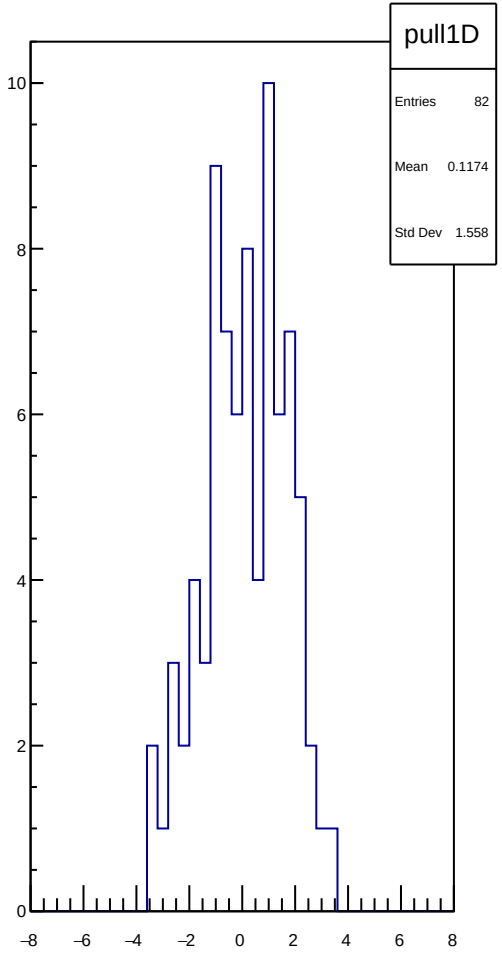

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 86.31 / 81
p0 2.167 ± 1.881
pull
Entries 82
Mean 572.5
Std Dev 520.7
pull1D
Entries 82
Mean −0.006414
Std Dev 1.026

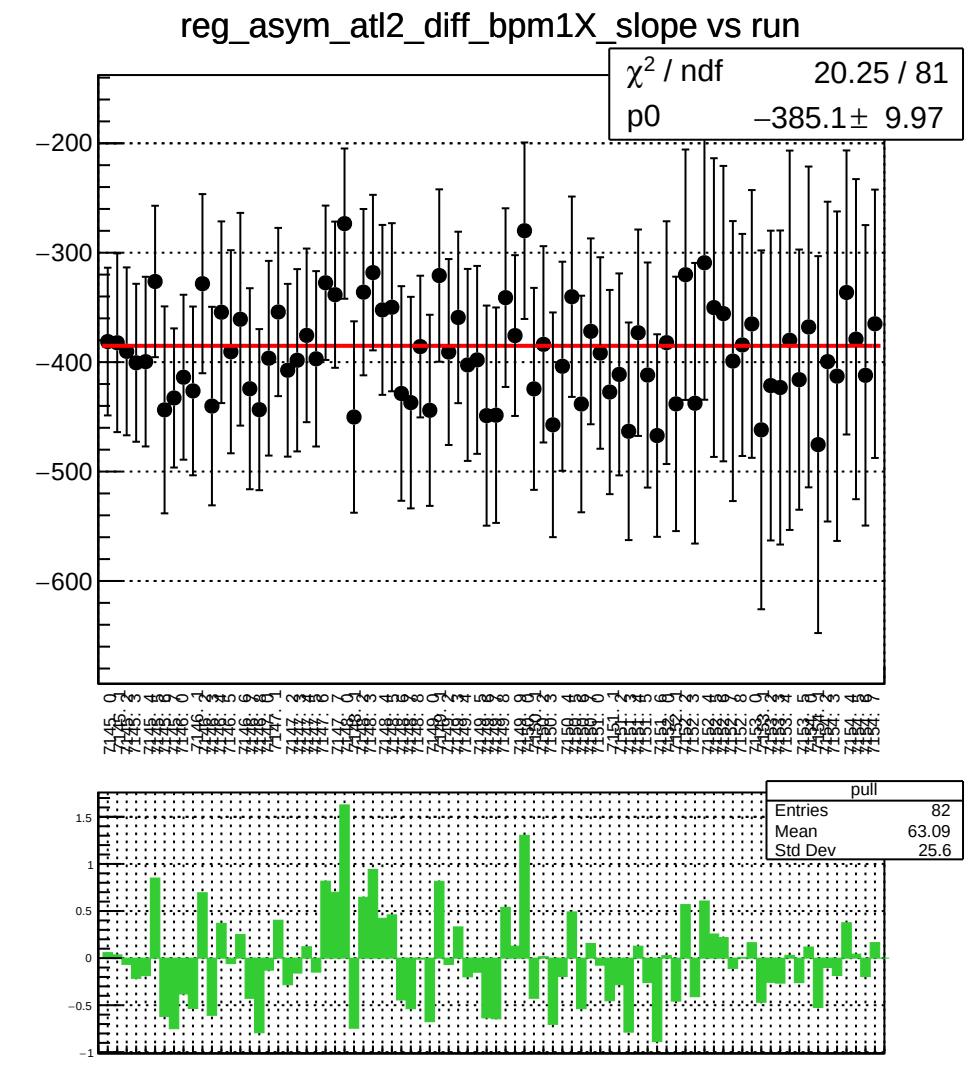

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 94.49 / 81
p0 41.44 ± 2.236
pull
Entries 82
Mean 69.13
Std Dev 49.39

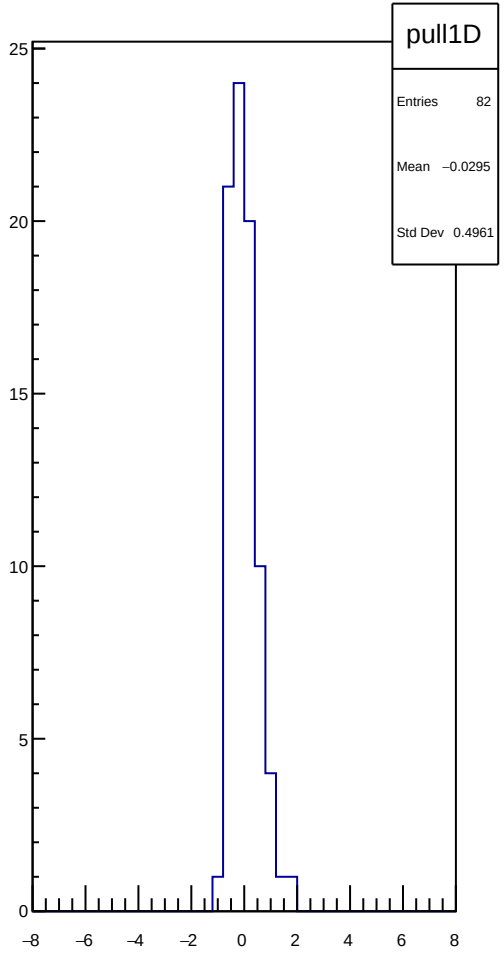

pull1D
Entries 82
Mean 0.02311
Std Dev 1.073

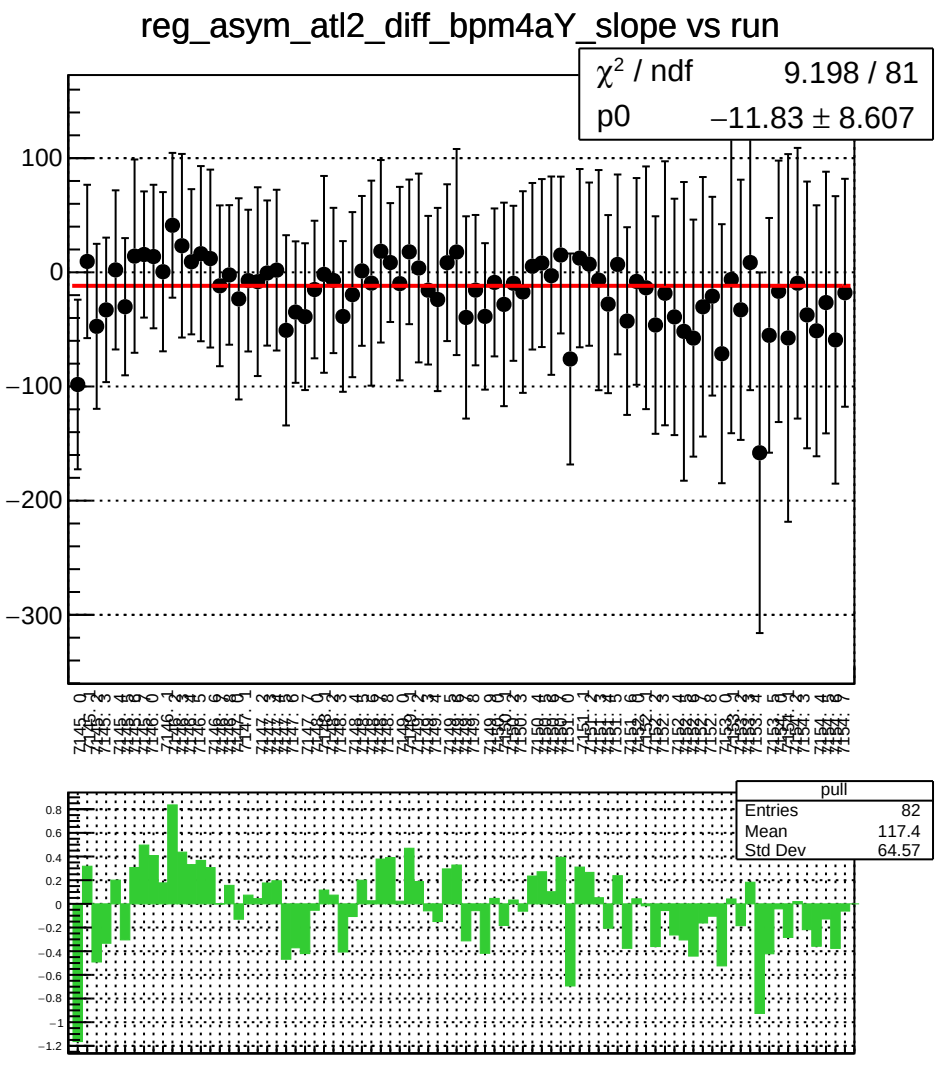

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 94.73 / 81
p0 −9.42 ± 2.054
pull
Entries 82
Mean 842.1
Std Dev 795.4
pull1D
Entries 82
Mean 0.008048
Std Dev 1.075

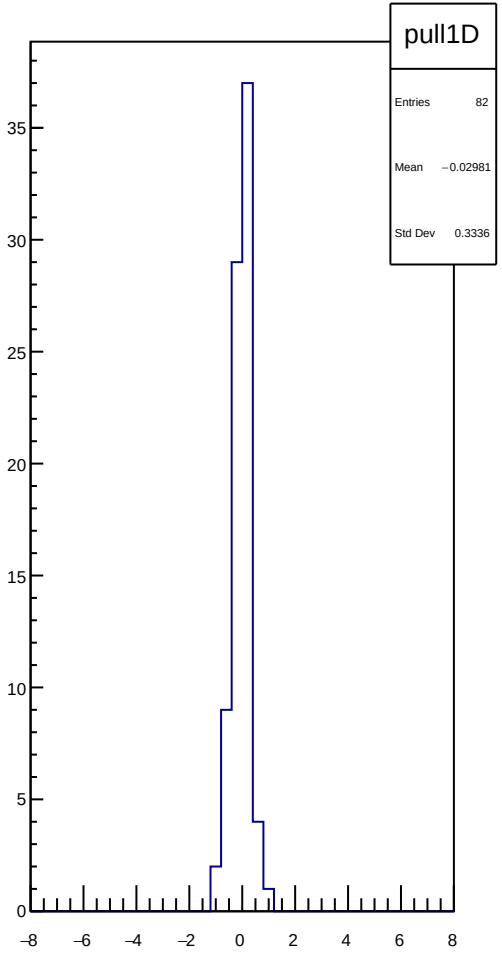

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 330 / 81
p0 −15.08 ± 0.09051
pull
Entries 82
Mean 622.2
Std Dev 579.4

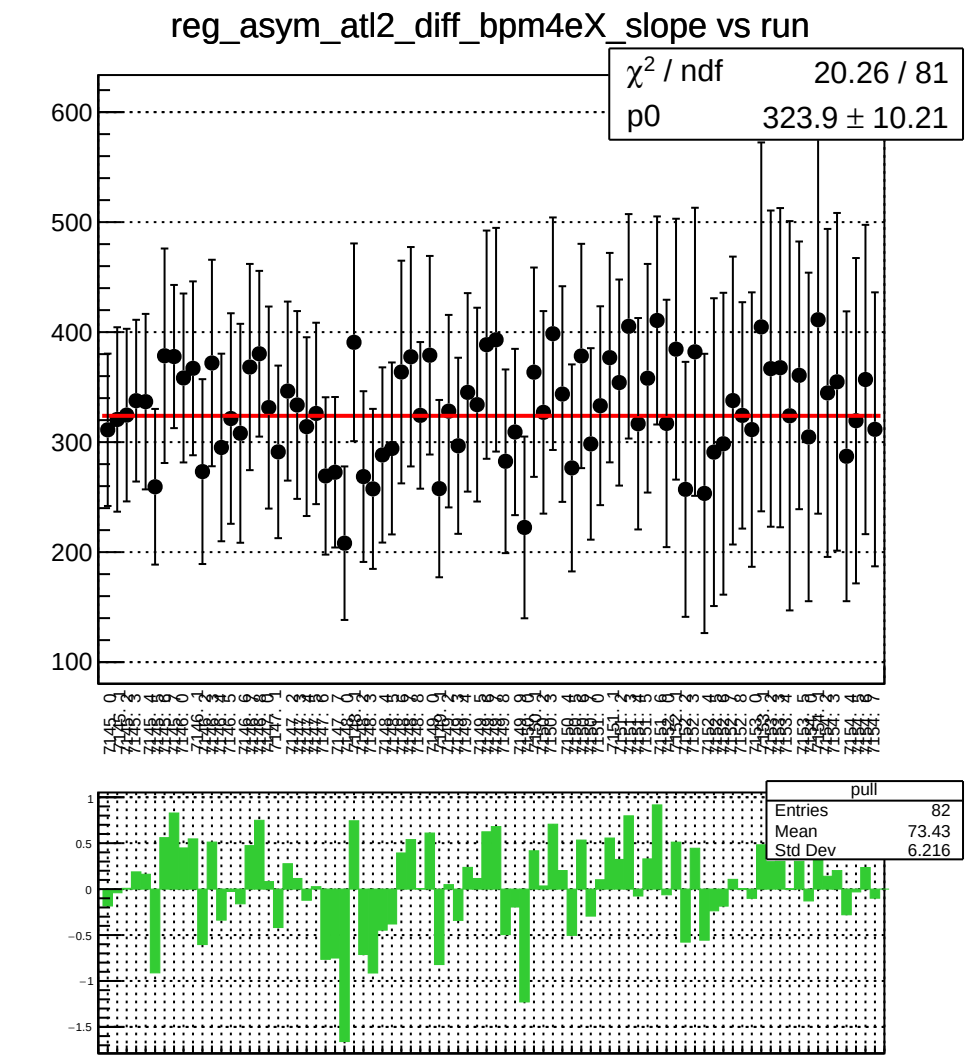

pull1D
Entries 82
Mean 0.1174
Std Dev 1.558

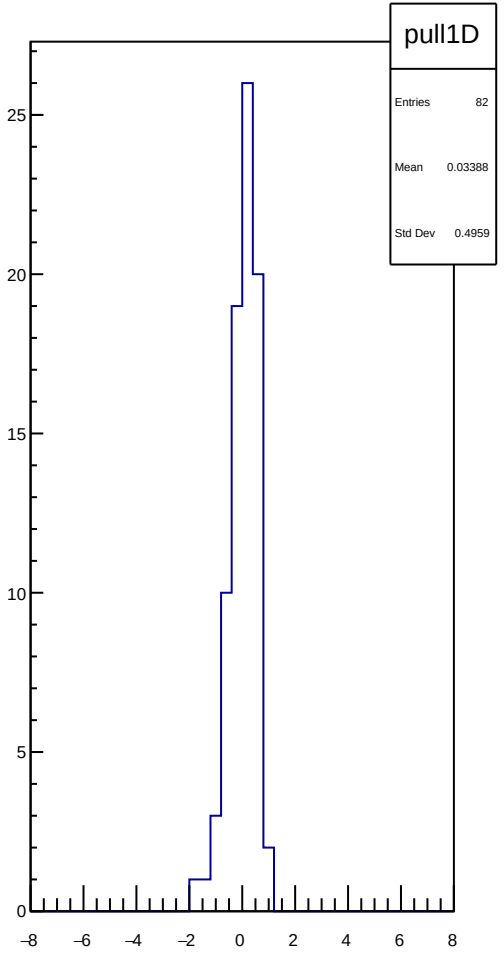

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 20.25 / 81
p0 −385.1 ± 9.97
−200
−300
−400
−500
−600
pull
Entries 82
Mean 63.09
Std Dev 25.6
1.5
1
0.5
0
−0.5
−1

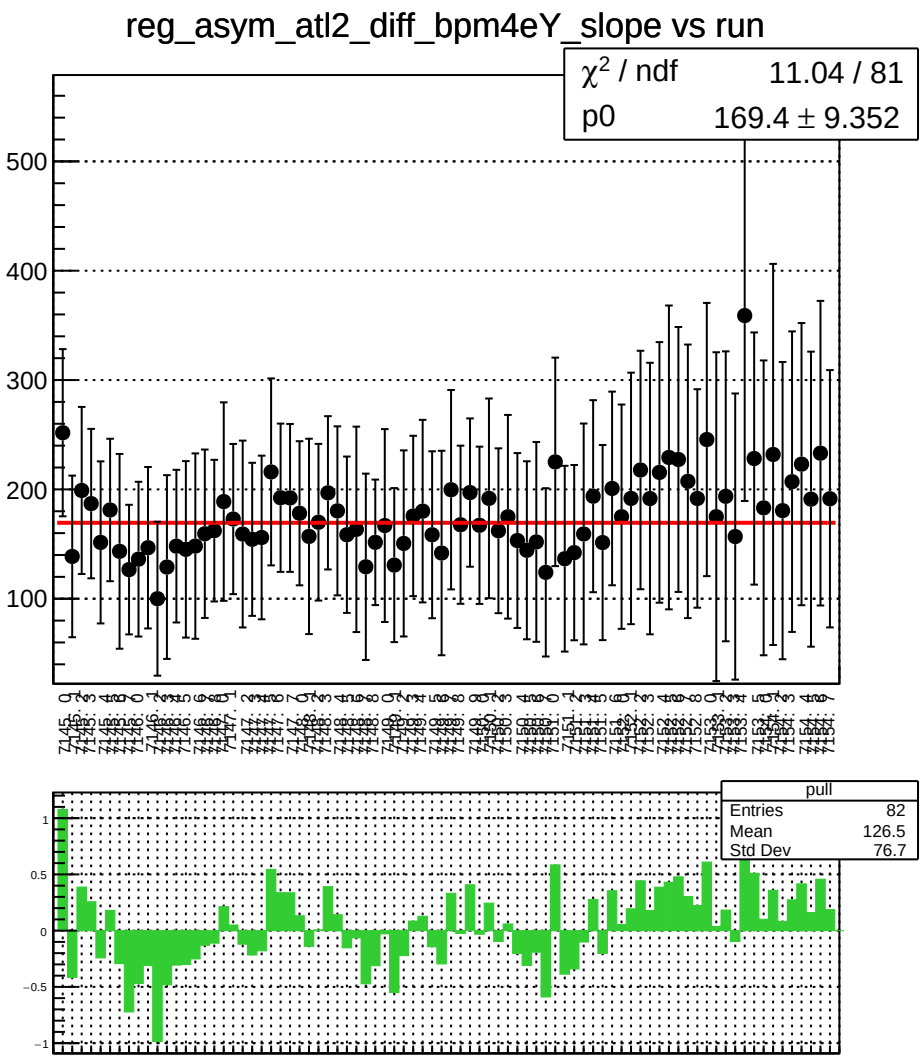

pull1D
Entries 82
Mean −0.0295
Std Dev 0.4961
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

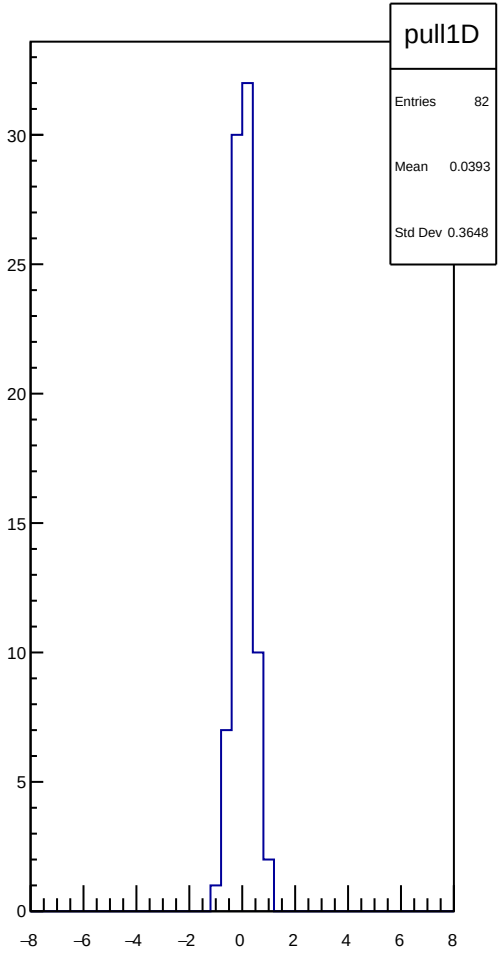

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.198 / 81
p0 −11.83 ± 8.607
pull
Entries 82
Mean 117.4
Std Dev 64.57

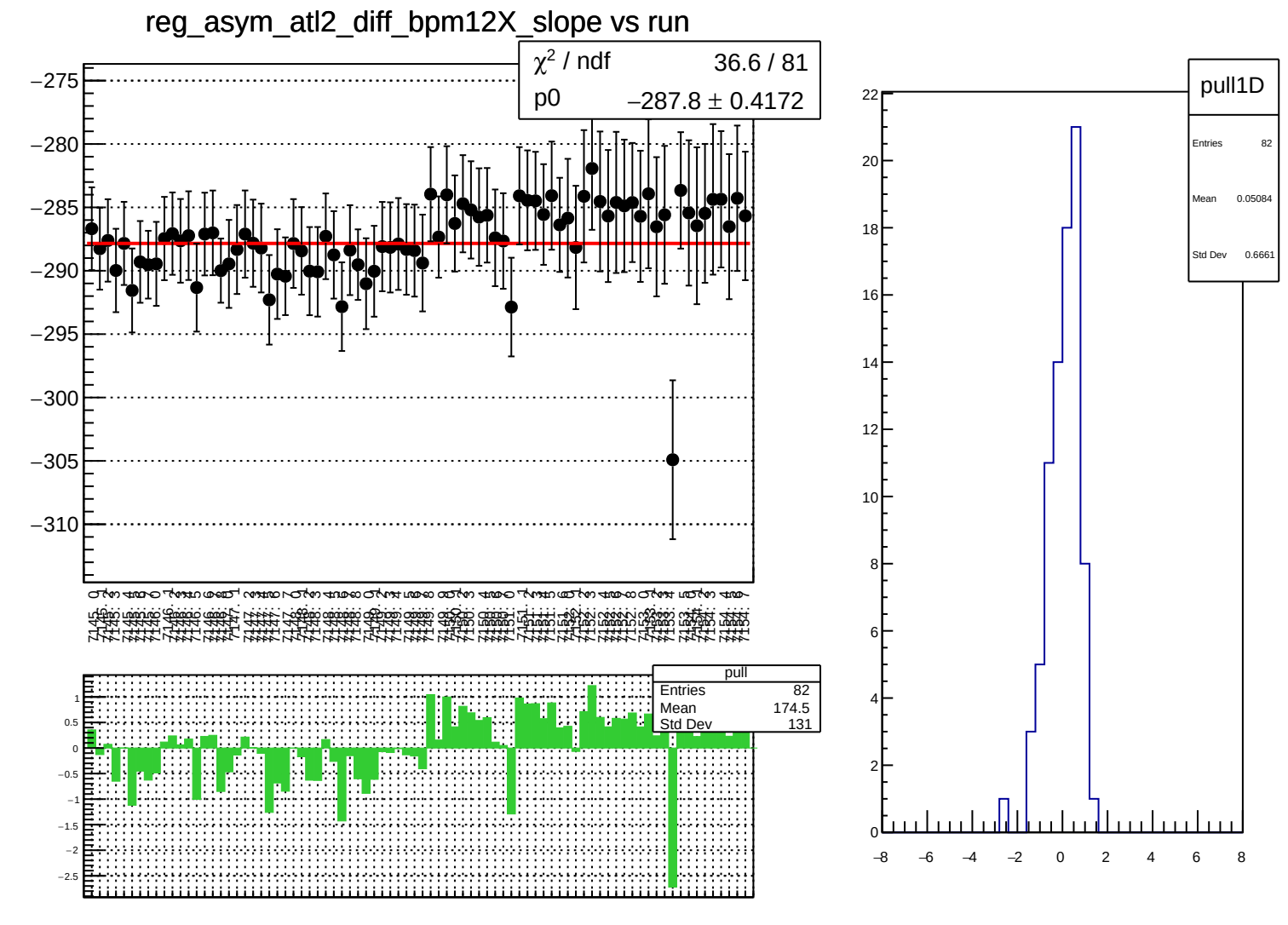

pull1D
Entries 82
Mean −0.02981
Std Dev 0.3336

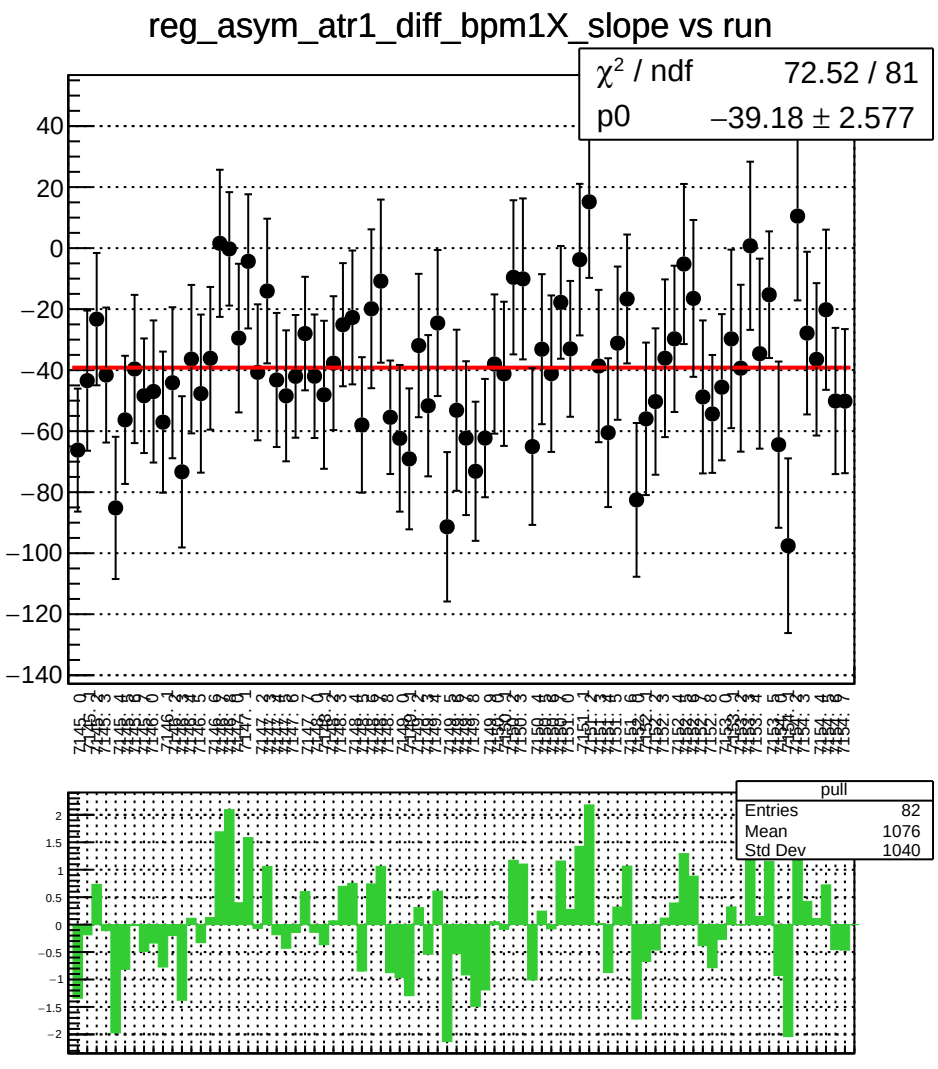

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 20.26 / 81
p0 323.9 ± 10.21
pull
Entries 82
Mean 73.43
Std Dev 6.216

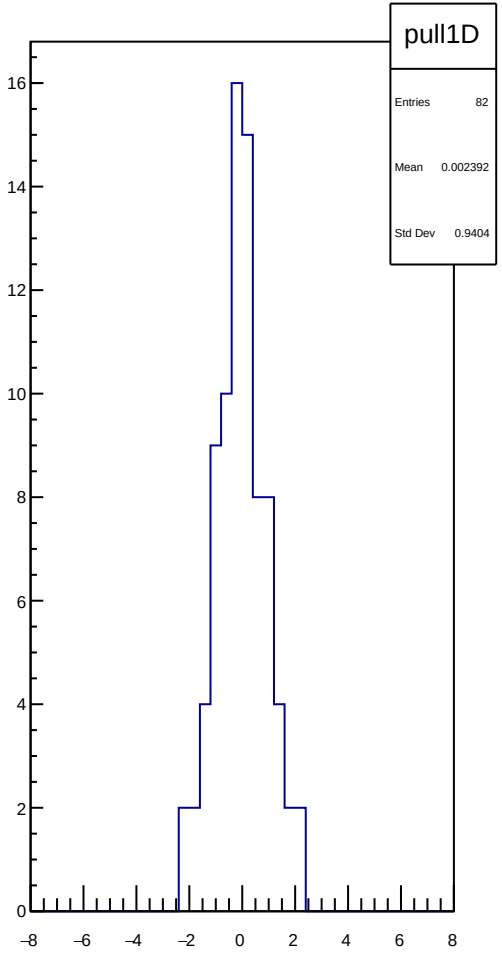

pull1D
Entries 82
Mean 0.03388
Std Dev 0.4959

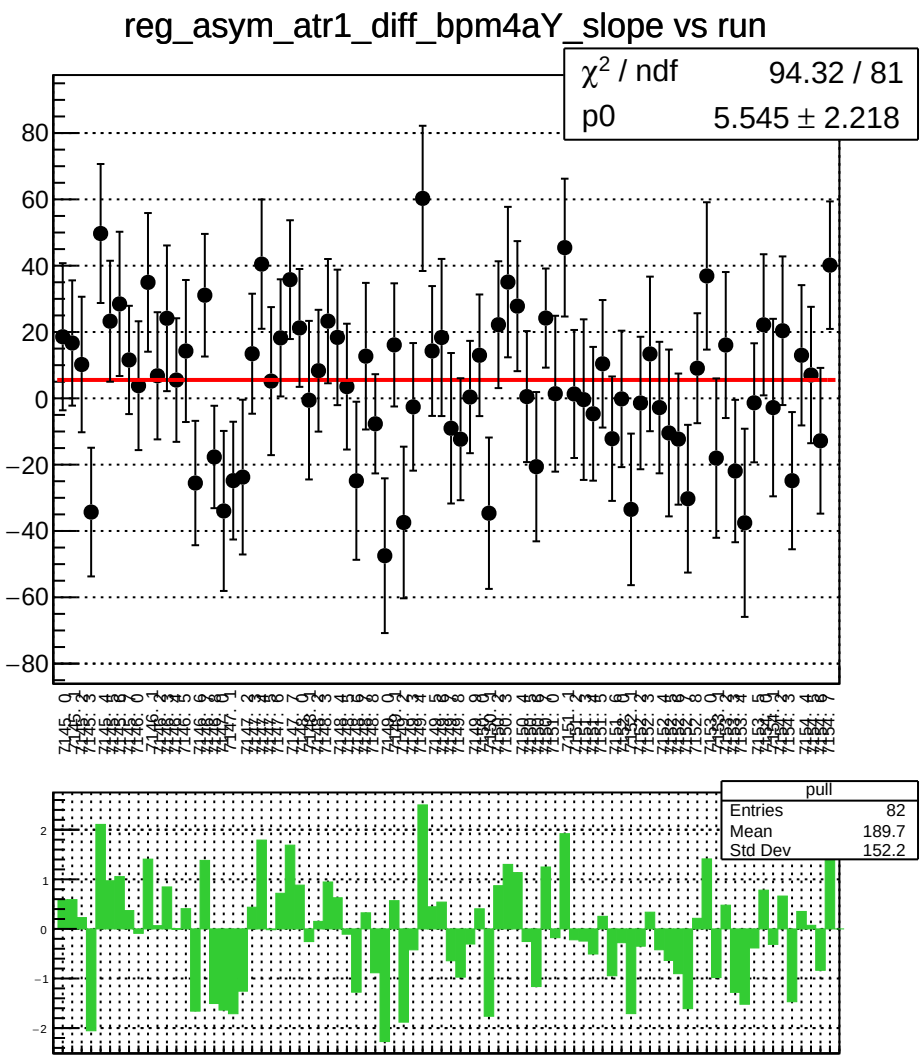

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 11.04 / 81
p0 169.4 ± 9.352
pull
Entries 82
Mean 126.5
Std Dev 76.7

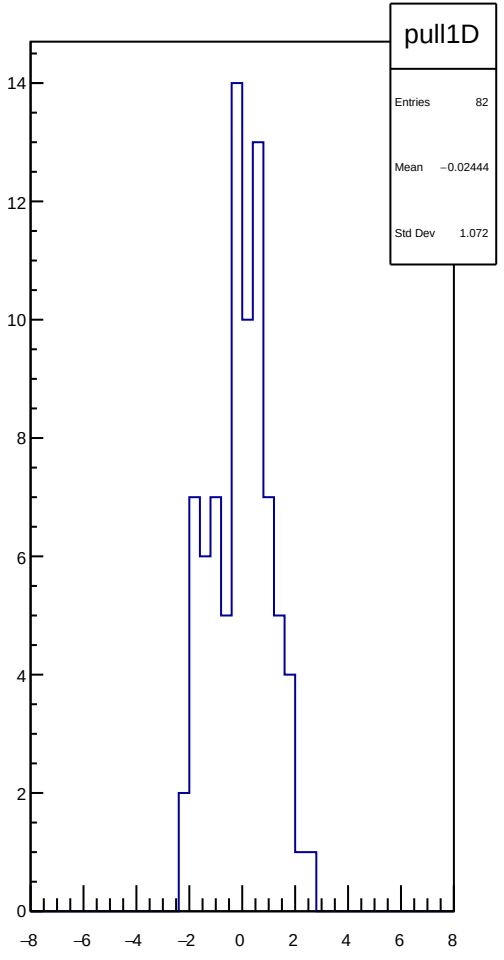

pull1D
Entries 82
Mean 0.0393
Std Dev 0.3648

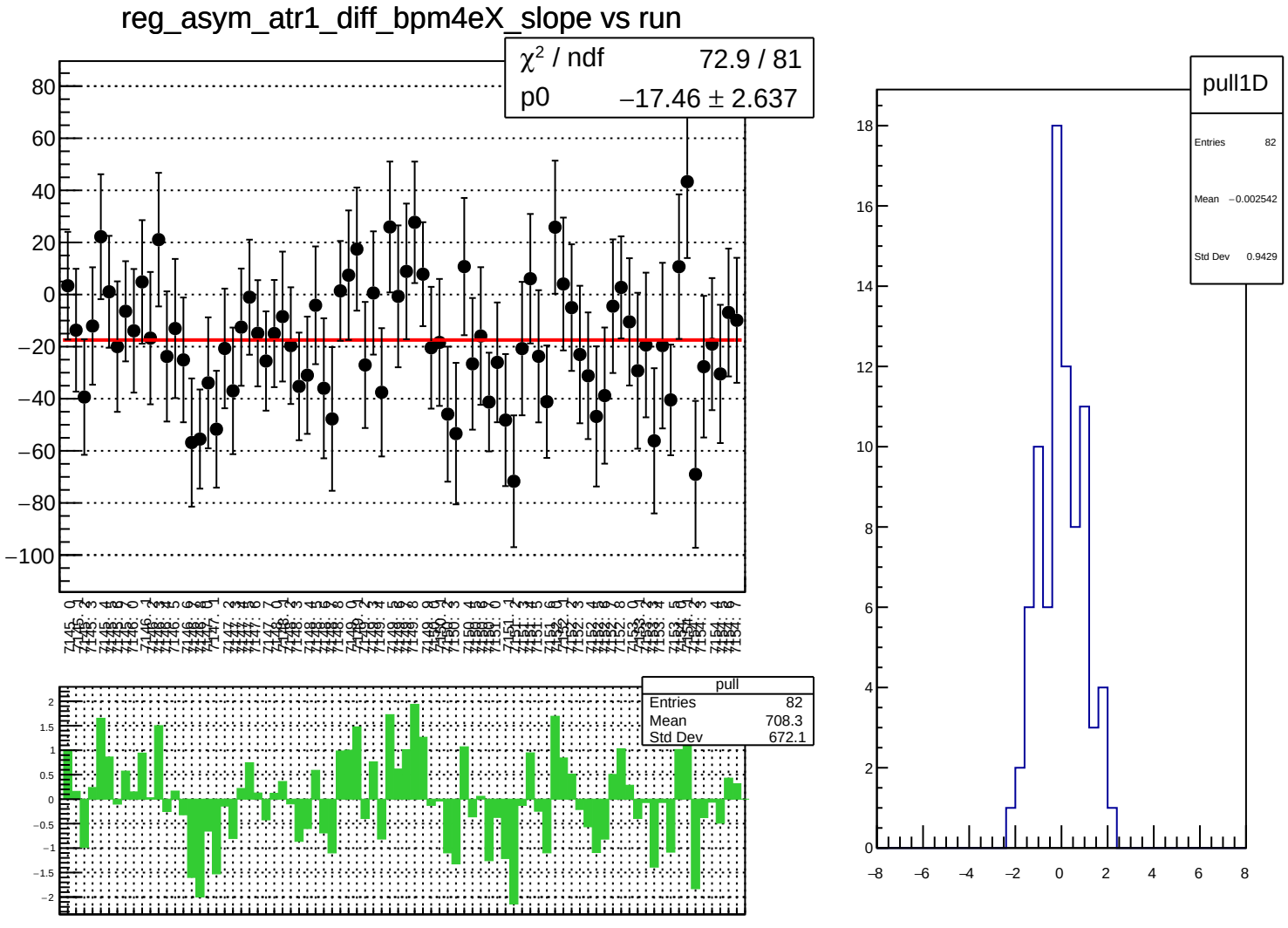

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 36.6 / 81
p0 −287.8 ± 0.4172
pull
Entries 82
Mean 174.5
Std Dev 131
pull1D
Entries 82
Mean 0.05084
Std Dev 0.6661

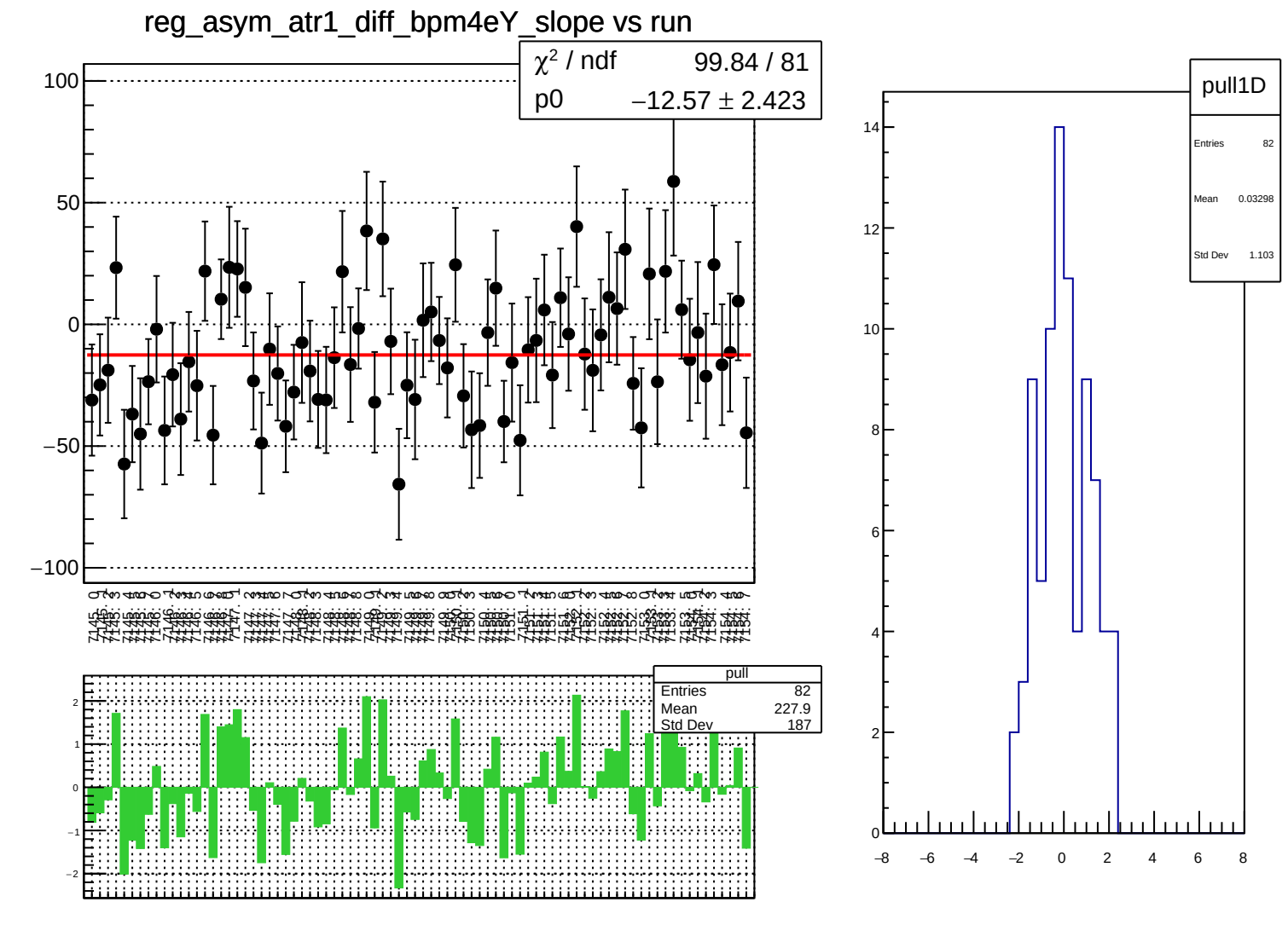

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 72.52 / 81
p0 −39.18 ± 2.577
pull
Entries 82
Mean 1076
Std Dev 1040

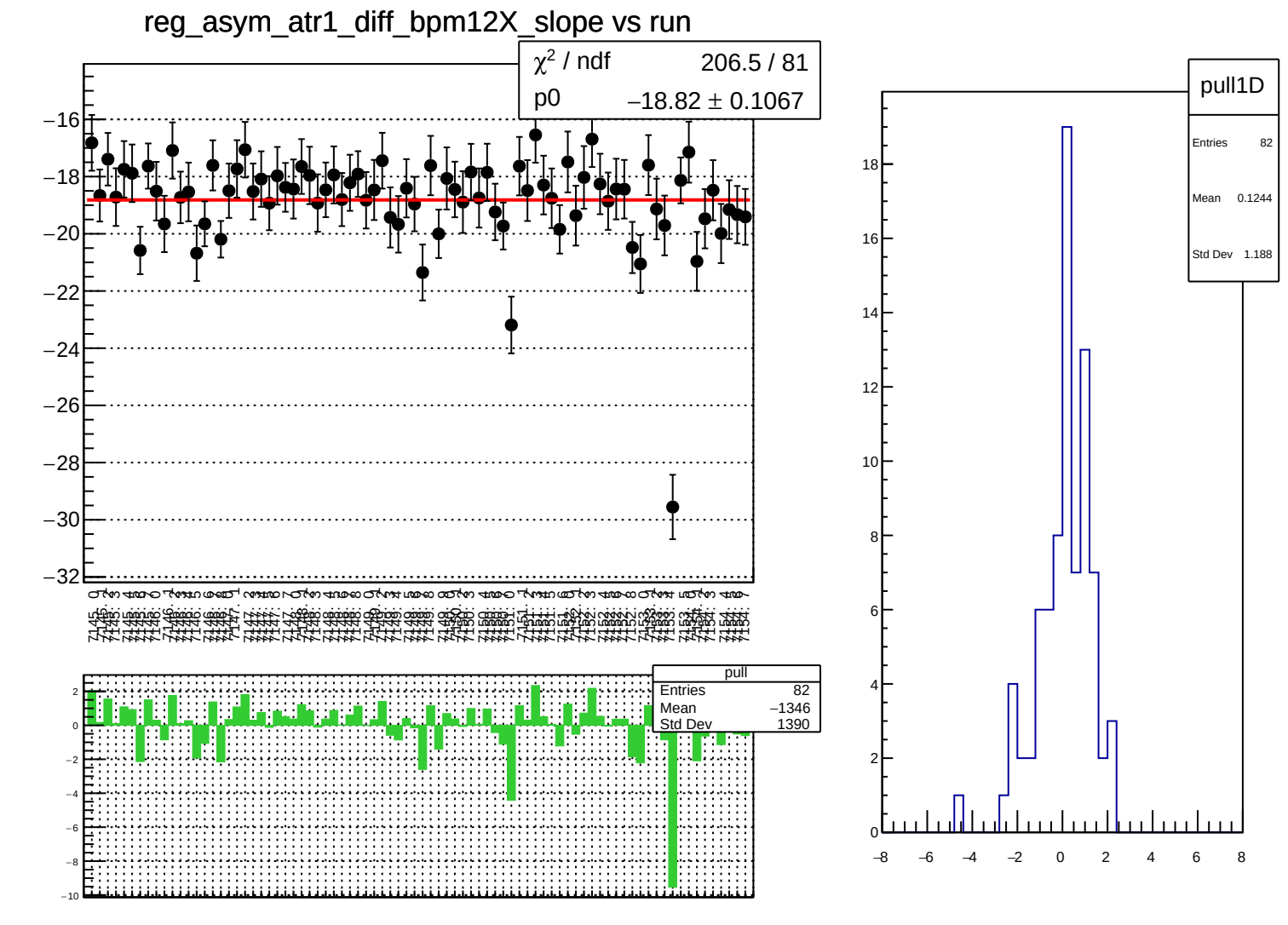

pull1D
Entries 82
Mean 0.002392
Std Dev 0.9404

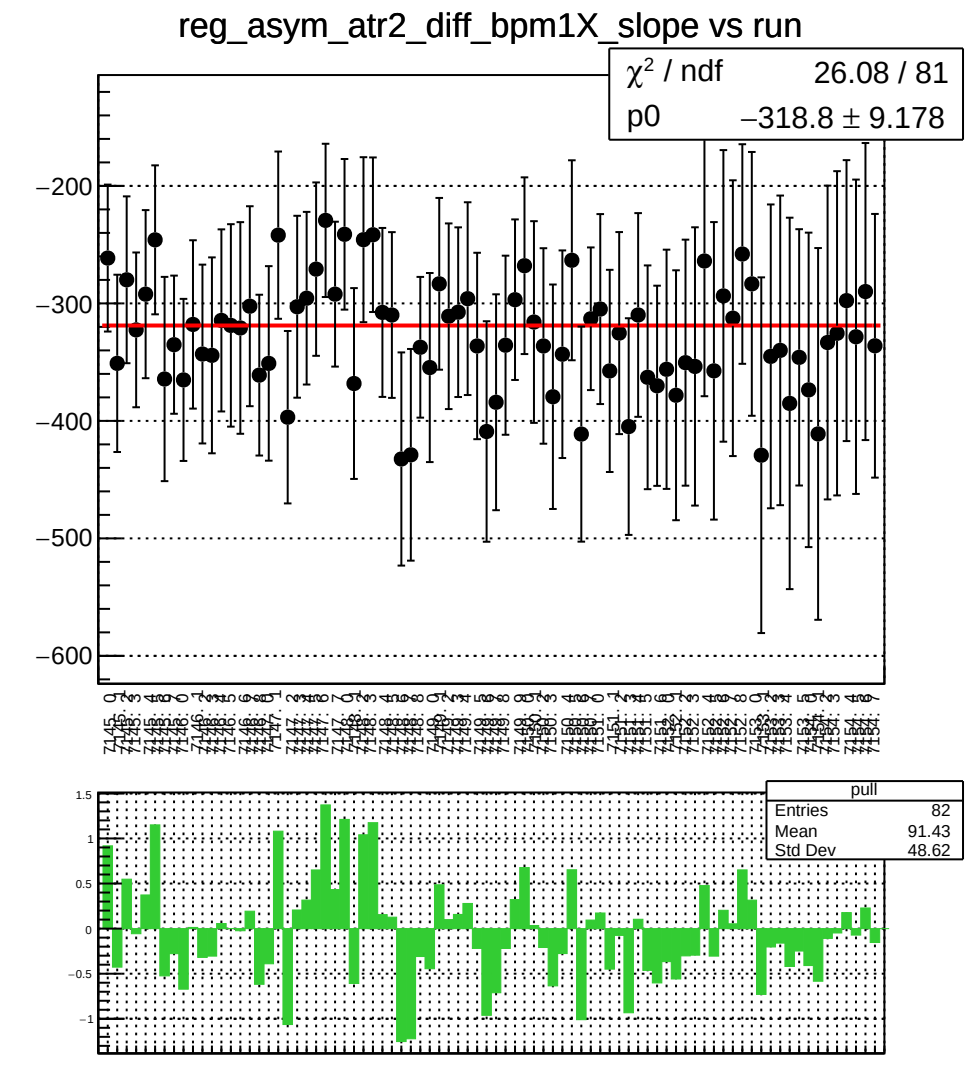

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 94.32 / 81
p0 5.545 ± 2.218
pull
Entries 82
Mean 189.7
Std Dev 152.2

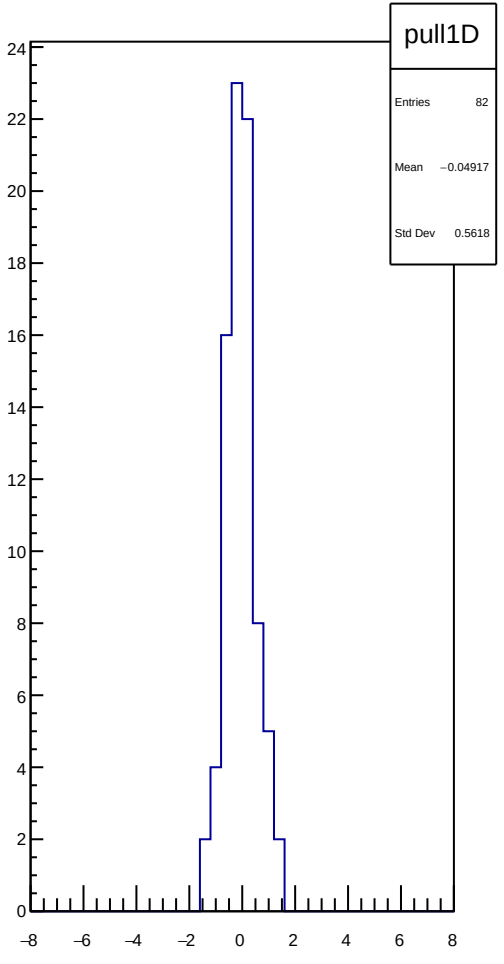

pull1D
Entries 82
Mean −0.02444
Std Dev 1.072

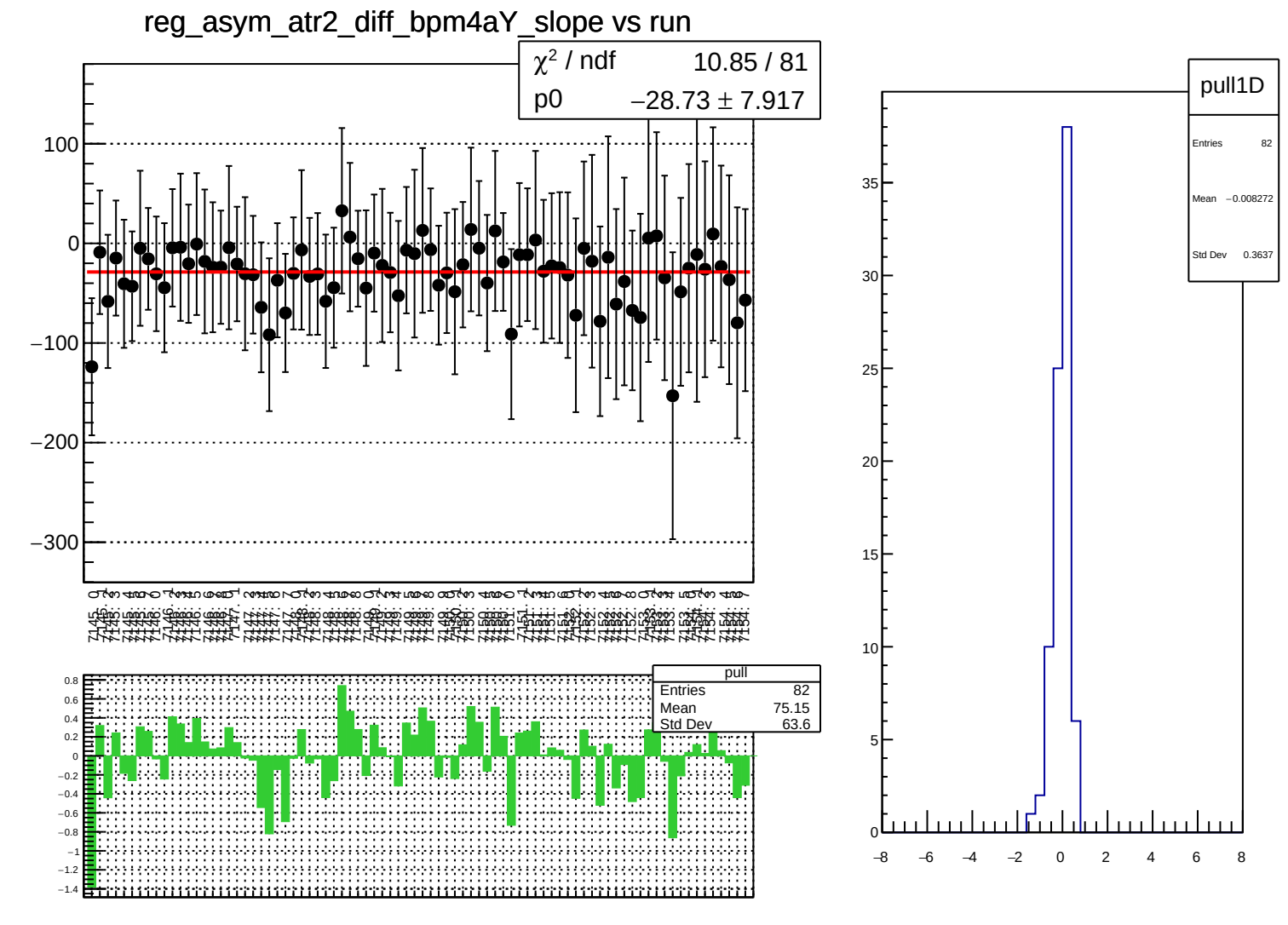

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.9 / 81
p0 −17.46 ± 2.637
pull
Entries 82
Mean 708.3
Std Dev 672.1
pull1D
Entries 82
Mean −0.002542
Std Dev 0.9429

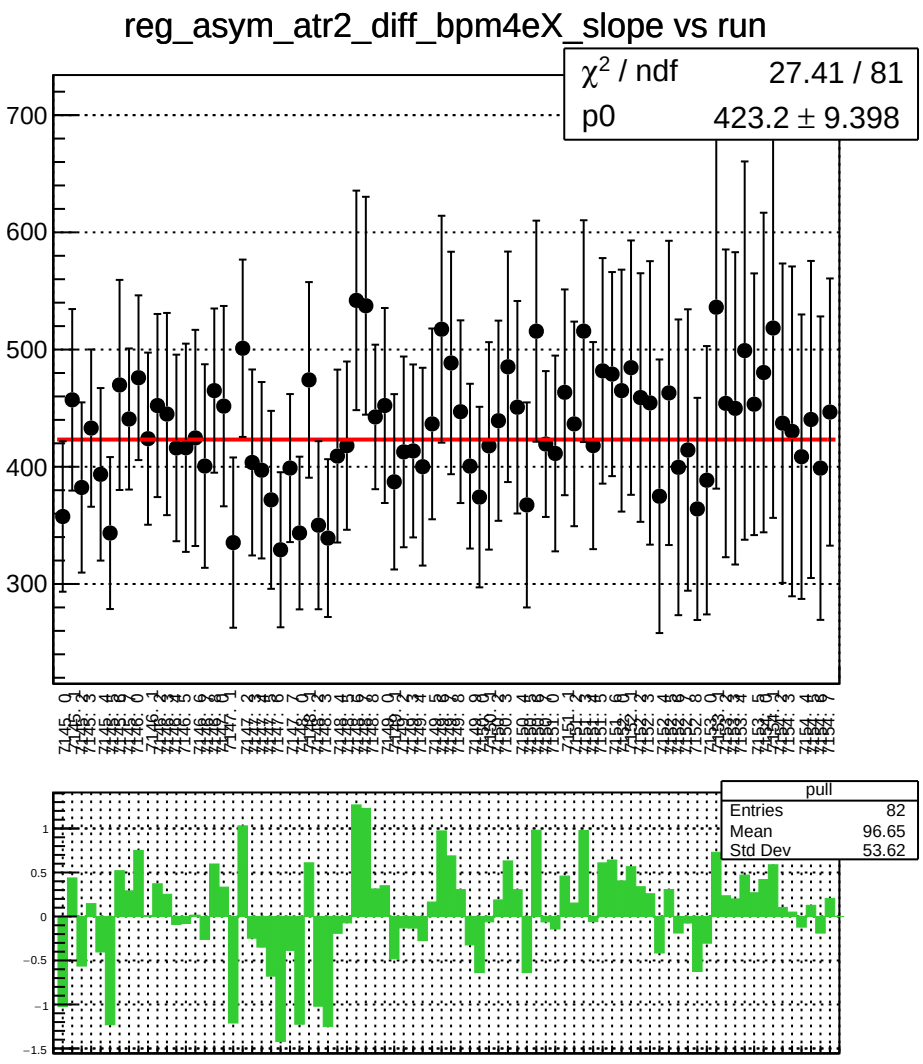

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 99.84 / 81
p0 −12.57 ± 2.423
100
50
0
−50
−100
pull
Entries 82
Mean 227.9
Std Dev 187
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.03298
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

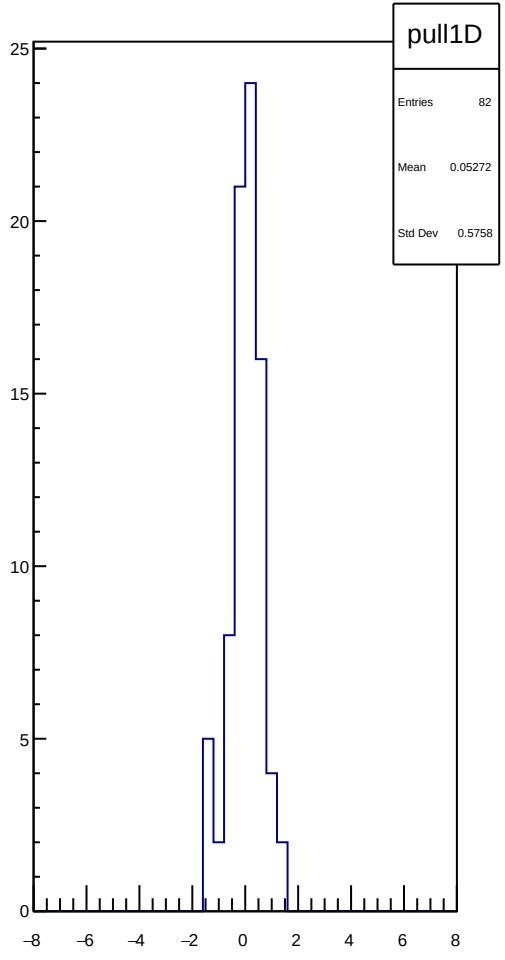

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 206.5 / 81
p0 −18.82 ± 0.1067
pull
Entries 82
Mean −1346
Std Dev 1390
pull1D
Entries 82
Mean 0.1244
Std Dev 1.188

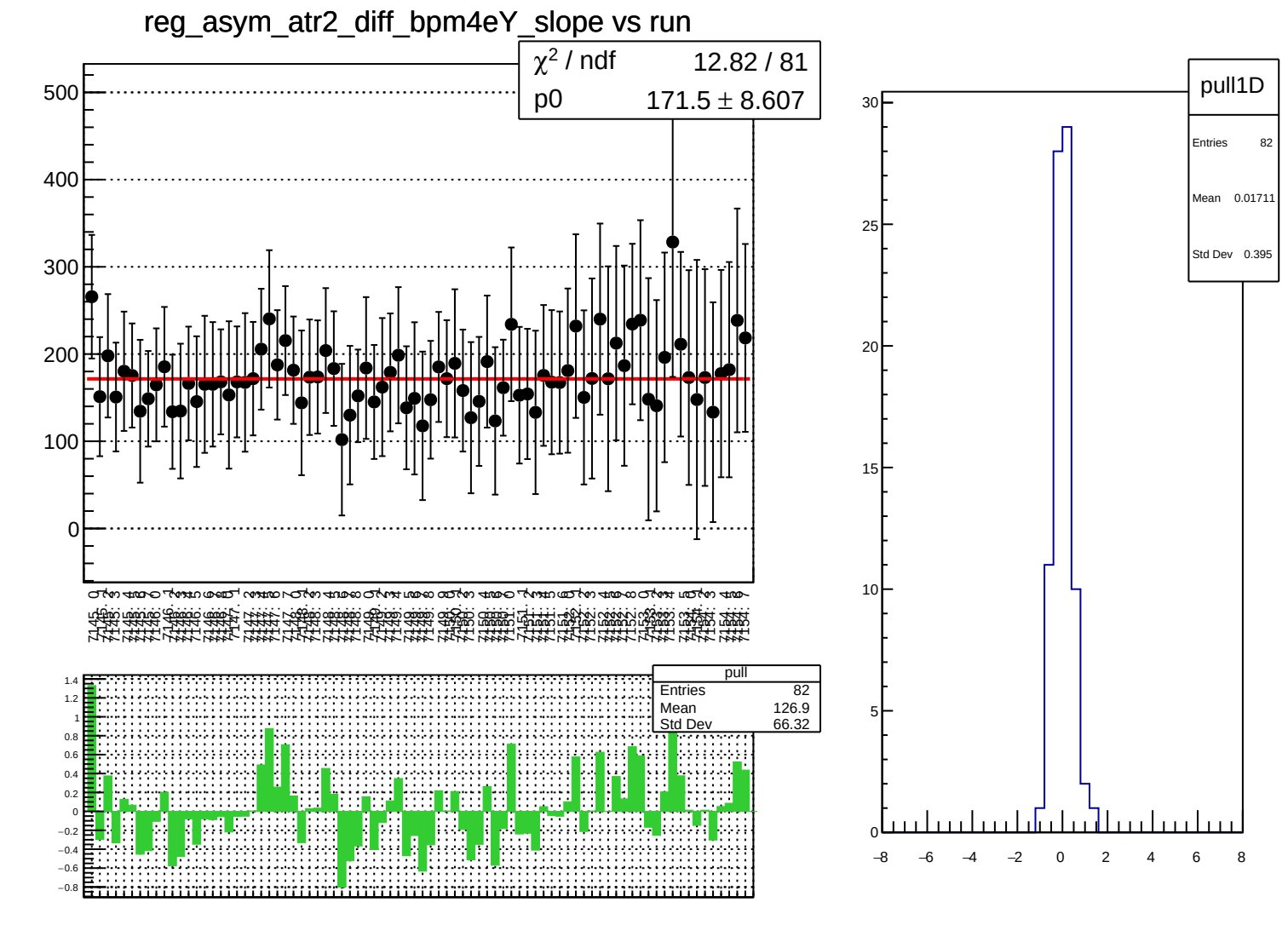

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 26.08 / 81
p0 −318.8 ± 9.178
−200
−300
−400
−500
−600
pull
Entries 82
Mean 91.43
Std Dev 48.62
1.5
1
0.5
0
−0.5
−1

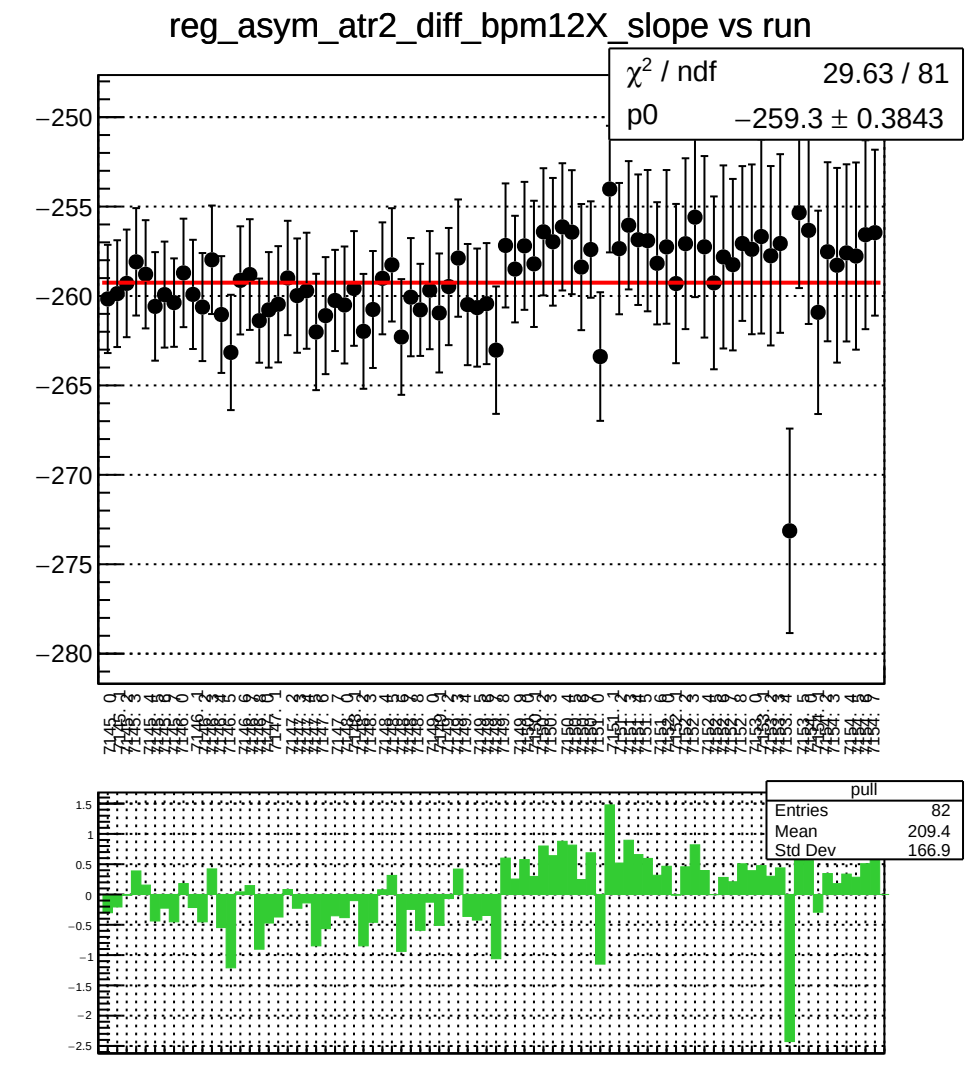

pull1D
Entries 82
Mean −0.04917
Std Dev 0.5618
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

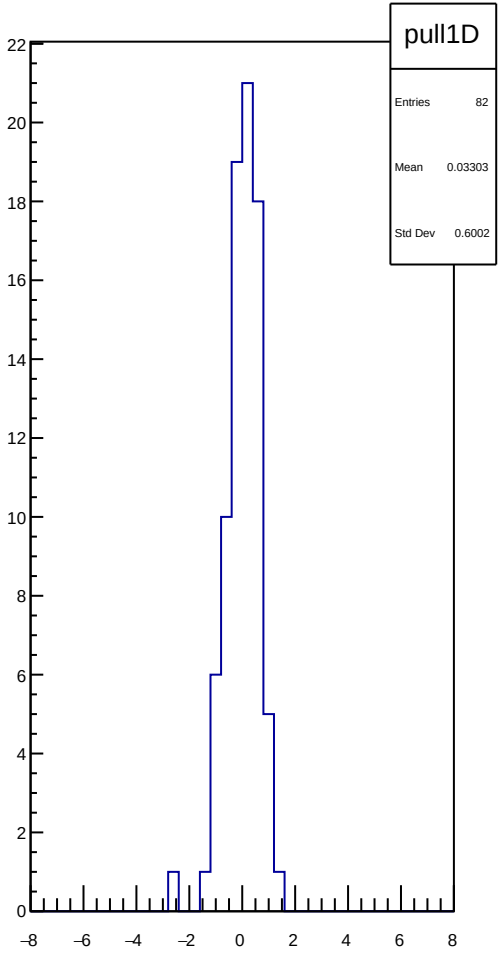

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 10.85 / 81
p0 −28.73 ± 7.917
pull
Entries 82
Mean 75.15
Std Dev 63.6
pull1D
Entries 82
Mean −0.008272
Std Dev 0.3637

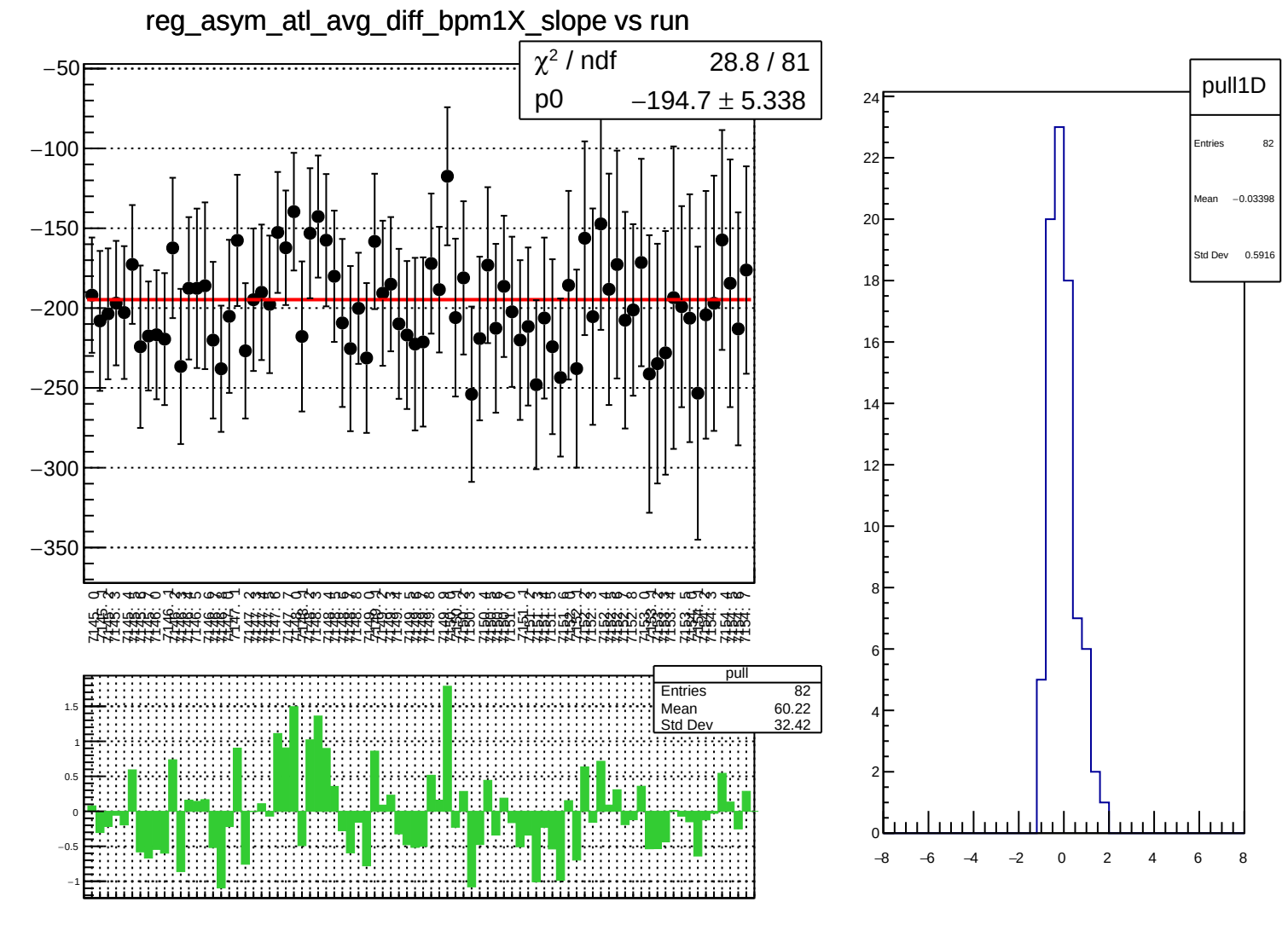

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 27.41 / 81
p0 423.2 ± 9.398
700
600
500
400
300
pull
Entries 82
Mean 96.65
Std Dev 53.62
1
0.5
0
−0.5
−1
−1.5

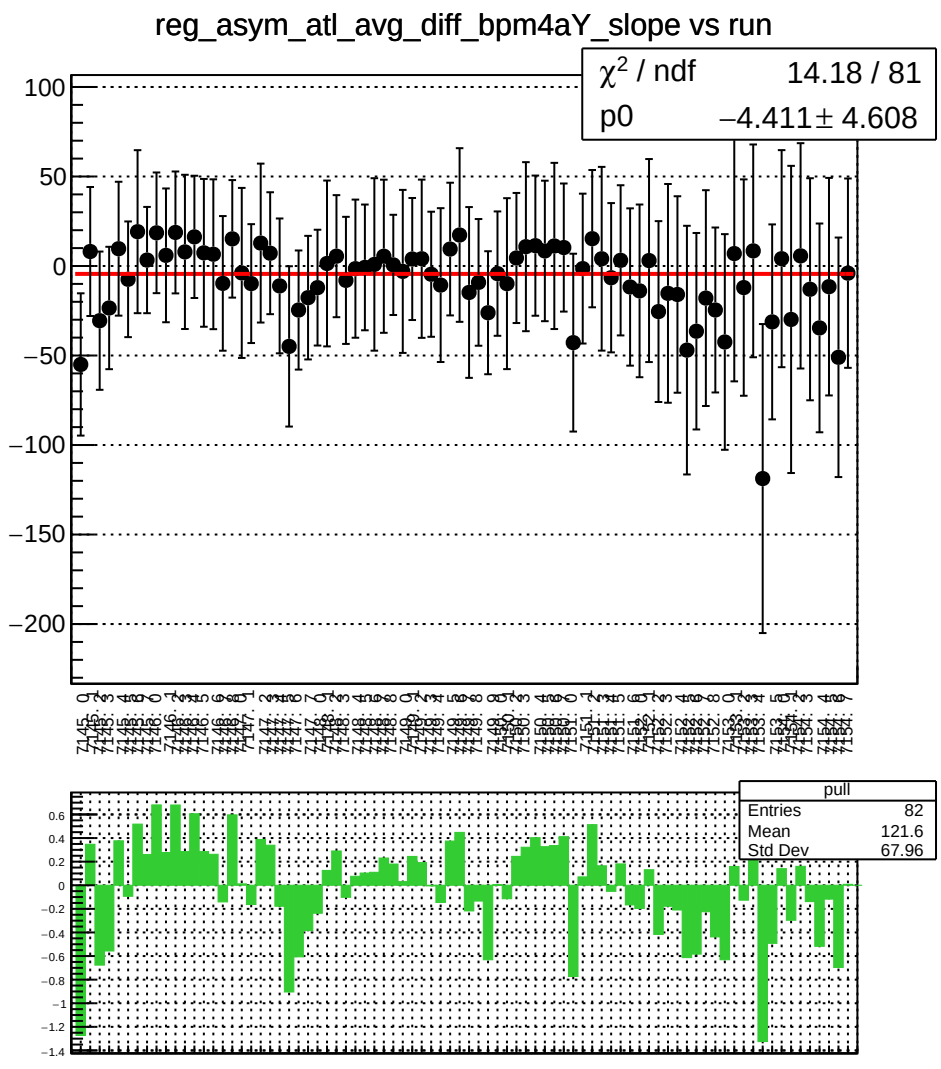

pull1D
Entries 82
Mean 0.05272
Std Dev 0.5758
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

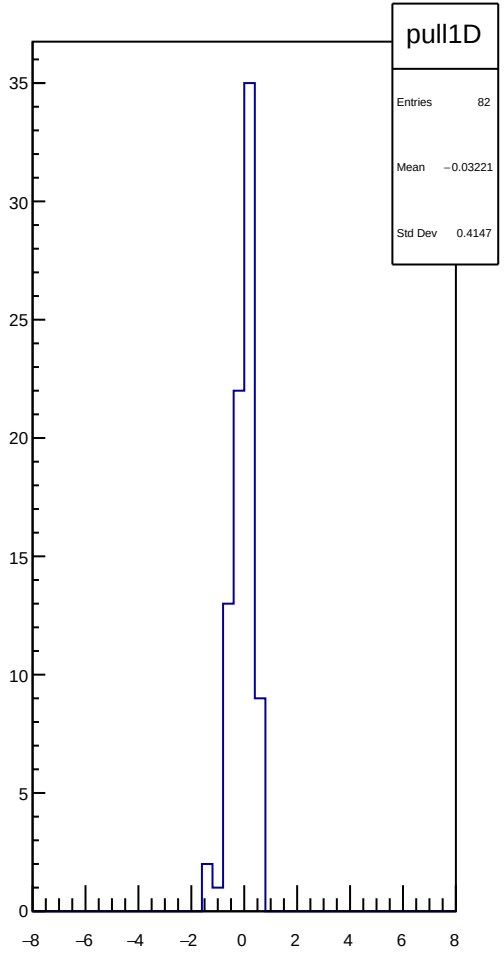

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 12.82 / 81
p0 171.5 ± 8.607
pull
Entries 82
Mean 126.9
Std Dev 66.32
pull1D
Entries 82
Mean 0.01711
Std Dev 0.395

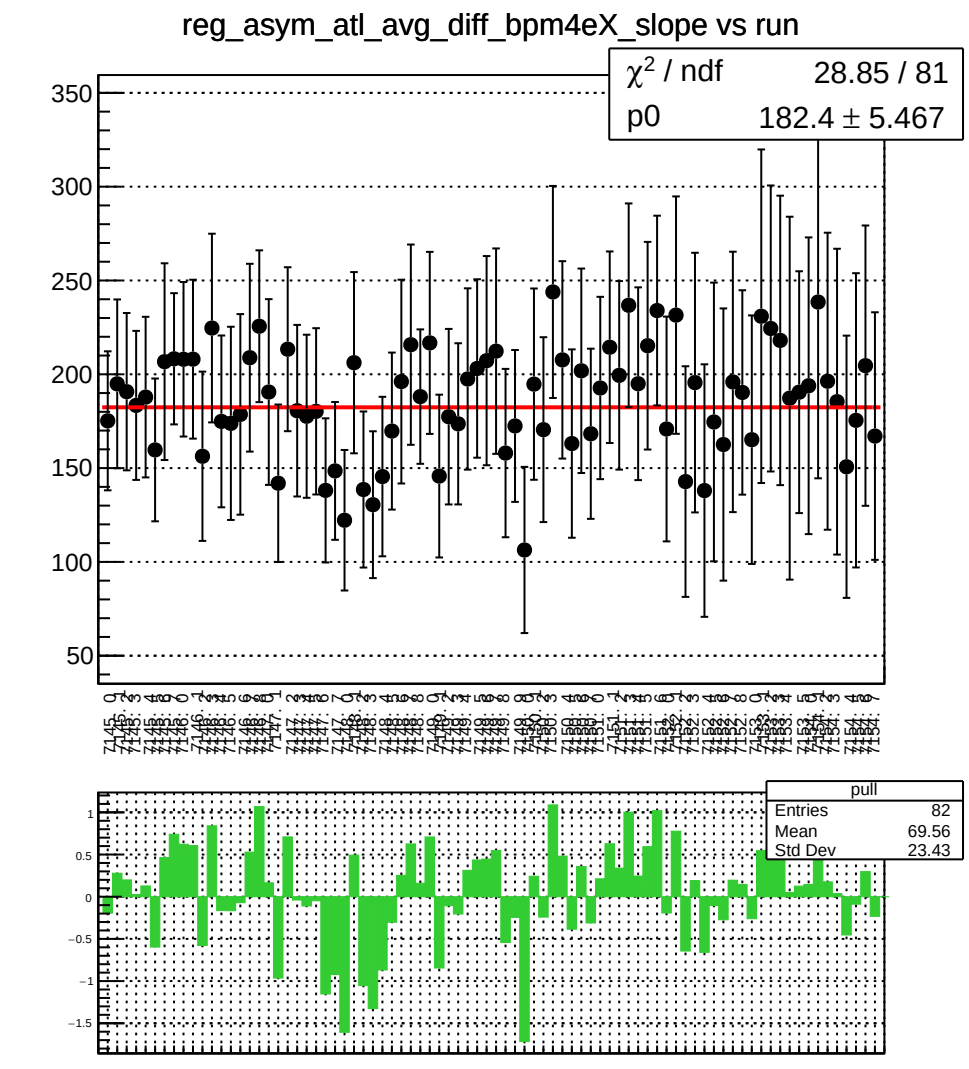

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 29.63 / 81
p0 −259.3 ± 0.3843
pull
Entries 82
Mean 209.4
Std Dev 166.9

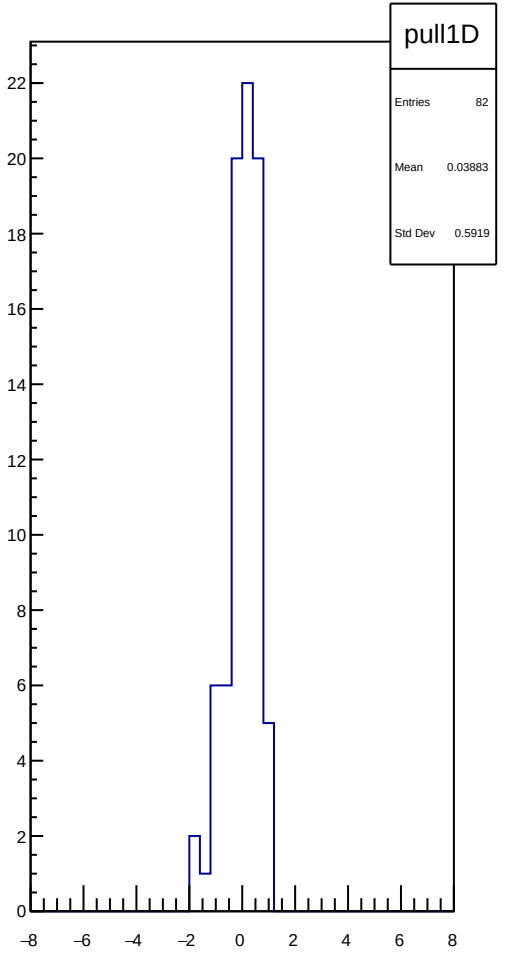

pull1D
Entries 82
Mean 0.03303
Std Dev 0.6002

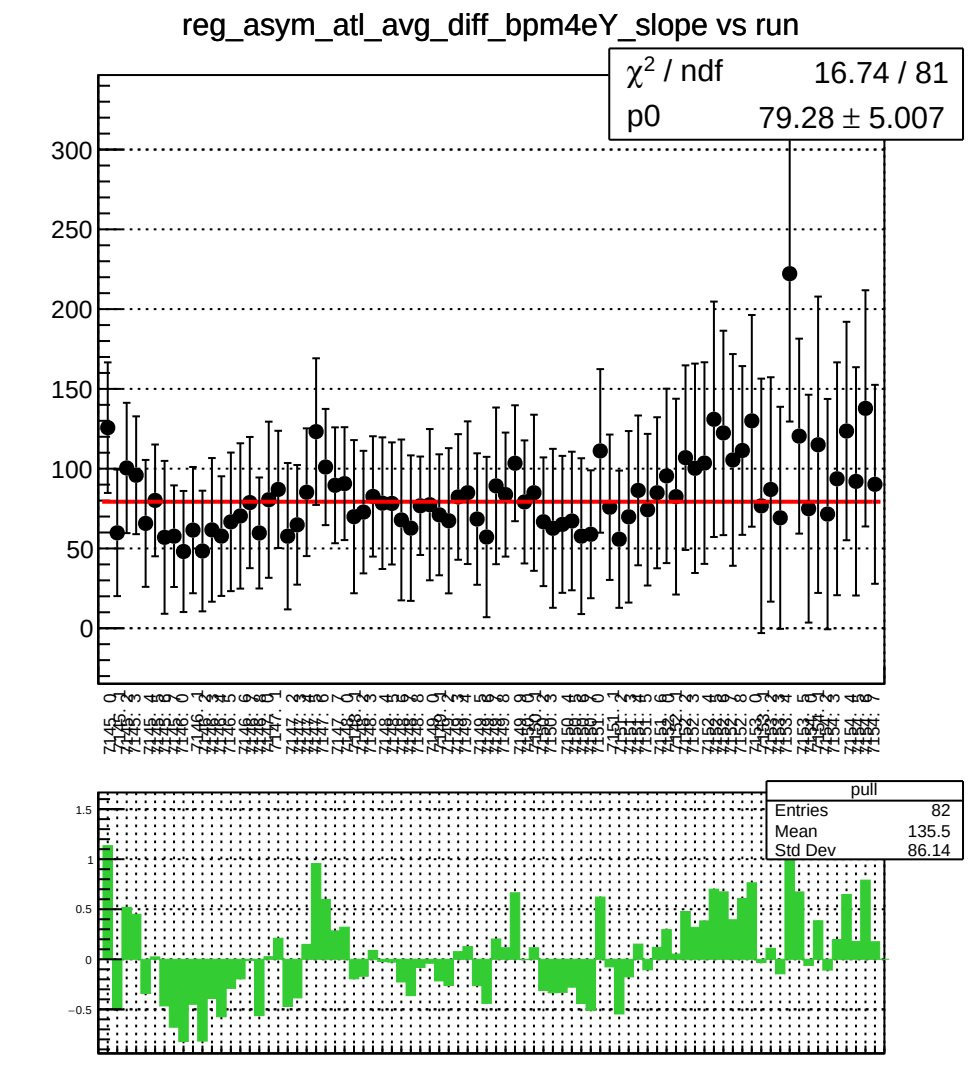

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 28.8 / 81
p0 −194.7 ± 5.338
pull
Entries 82
Mean 60.22
Std Dev 32.42
pull1D
Entries 82
Mean −0.03398
Std Dev 0.5916

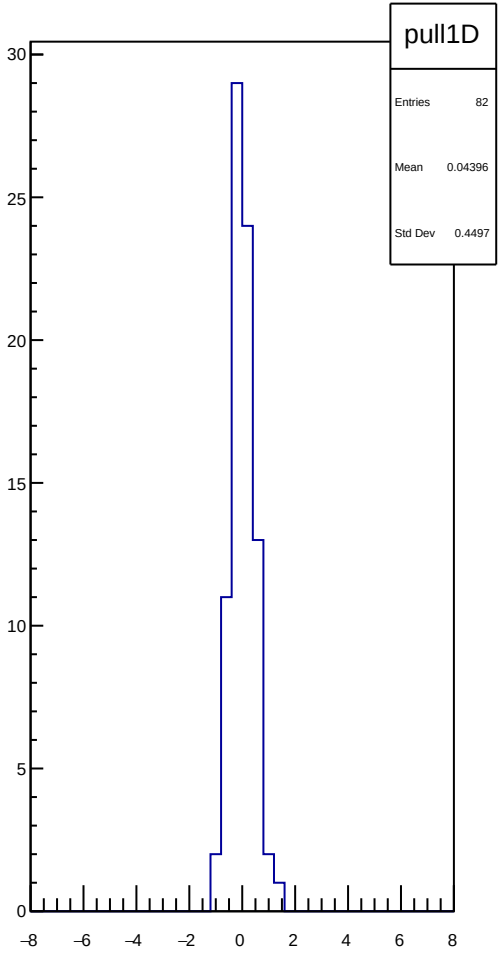

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.18 / 81
p0 −4.411 ± 4.608
pull
Entries 82
Mean 121.6
Std Dev 67.96

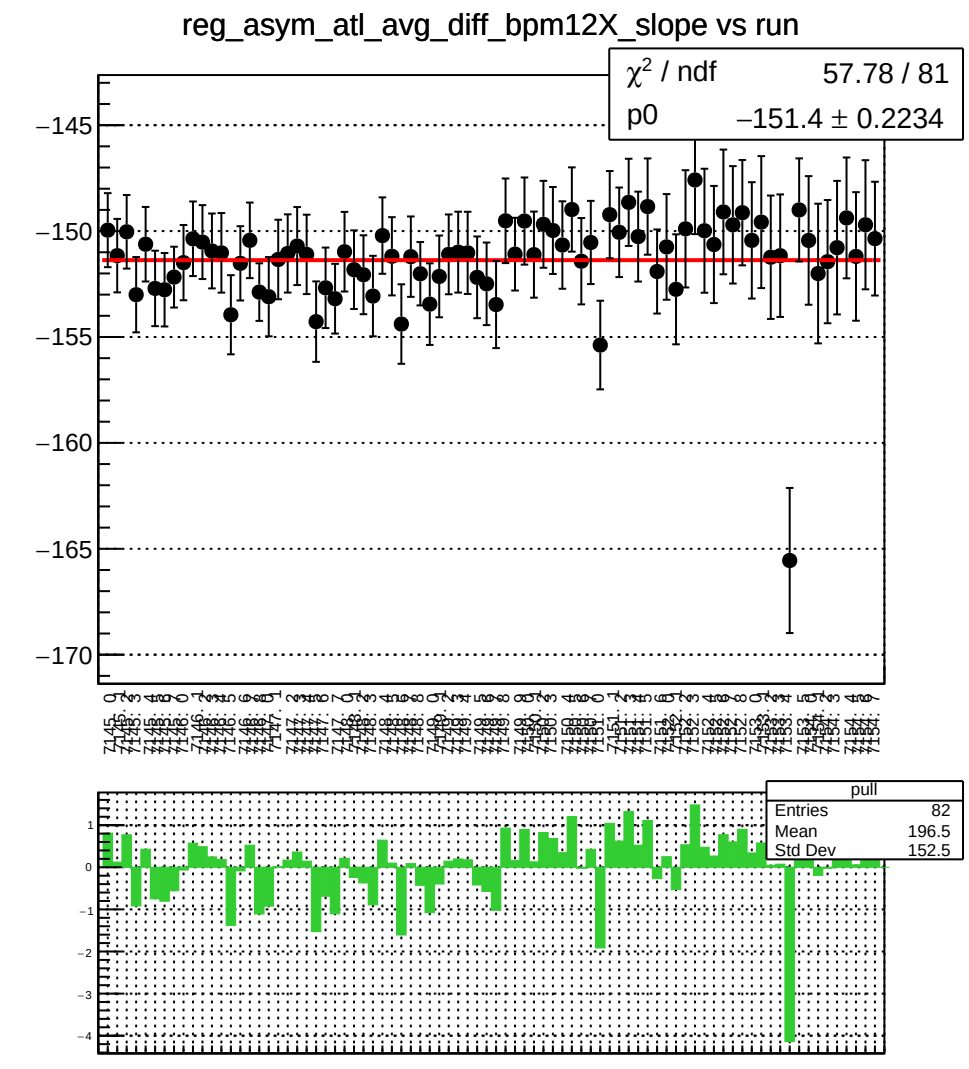

pull1D
Entries 82
Mean −0.03221
Std Dev 0.4147

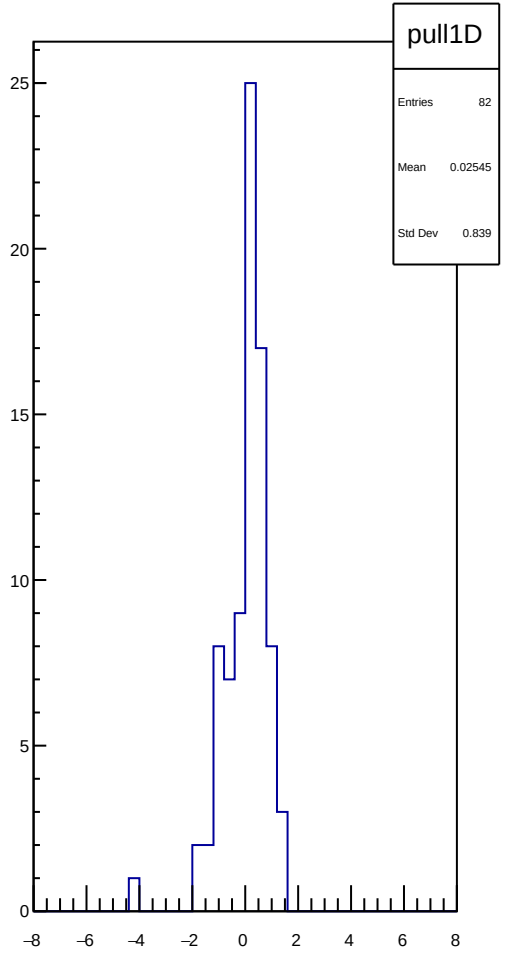

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.85 / 81
p0 182.4 ± 5.467
pull
Entries 82
Mean 69.56
Std Dev 23.43

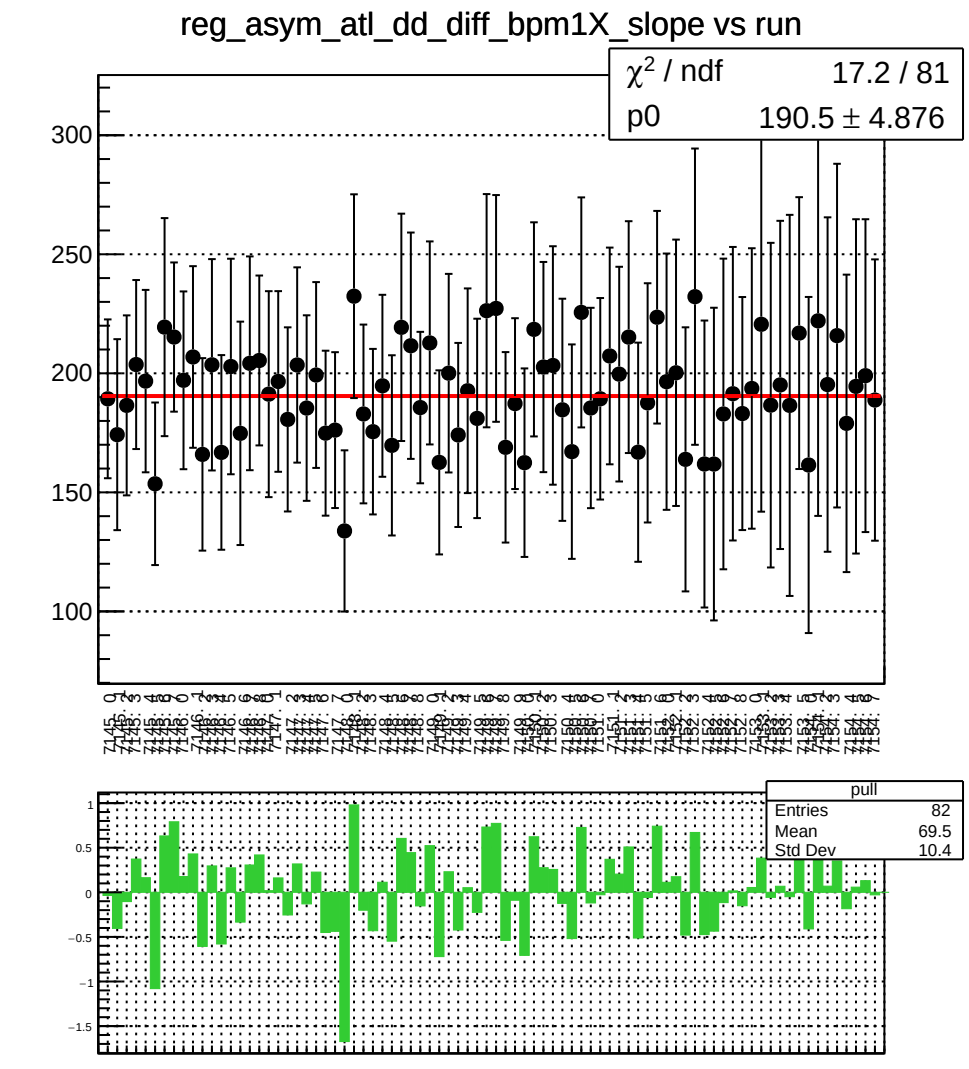

pull1D
Entries 82
Mean 0.03883
Std Dev 0.5919

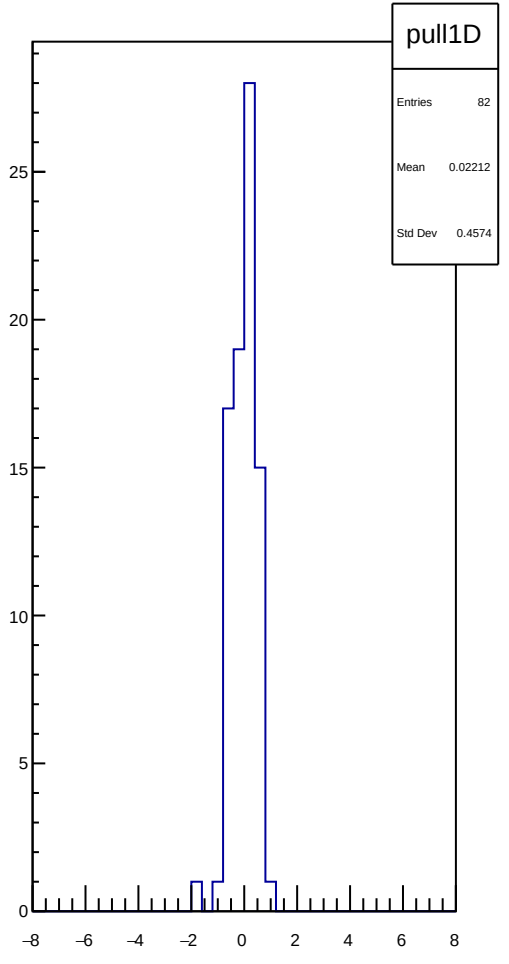

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.74 / 81
p0 79.28 ± 5.007
pull
Entries 82
Mean 135.5
Std Dev 86.14

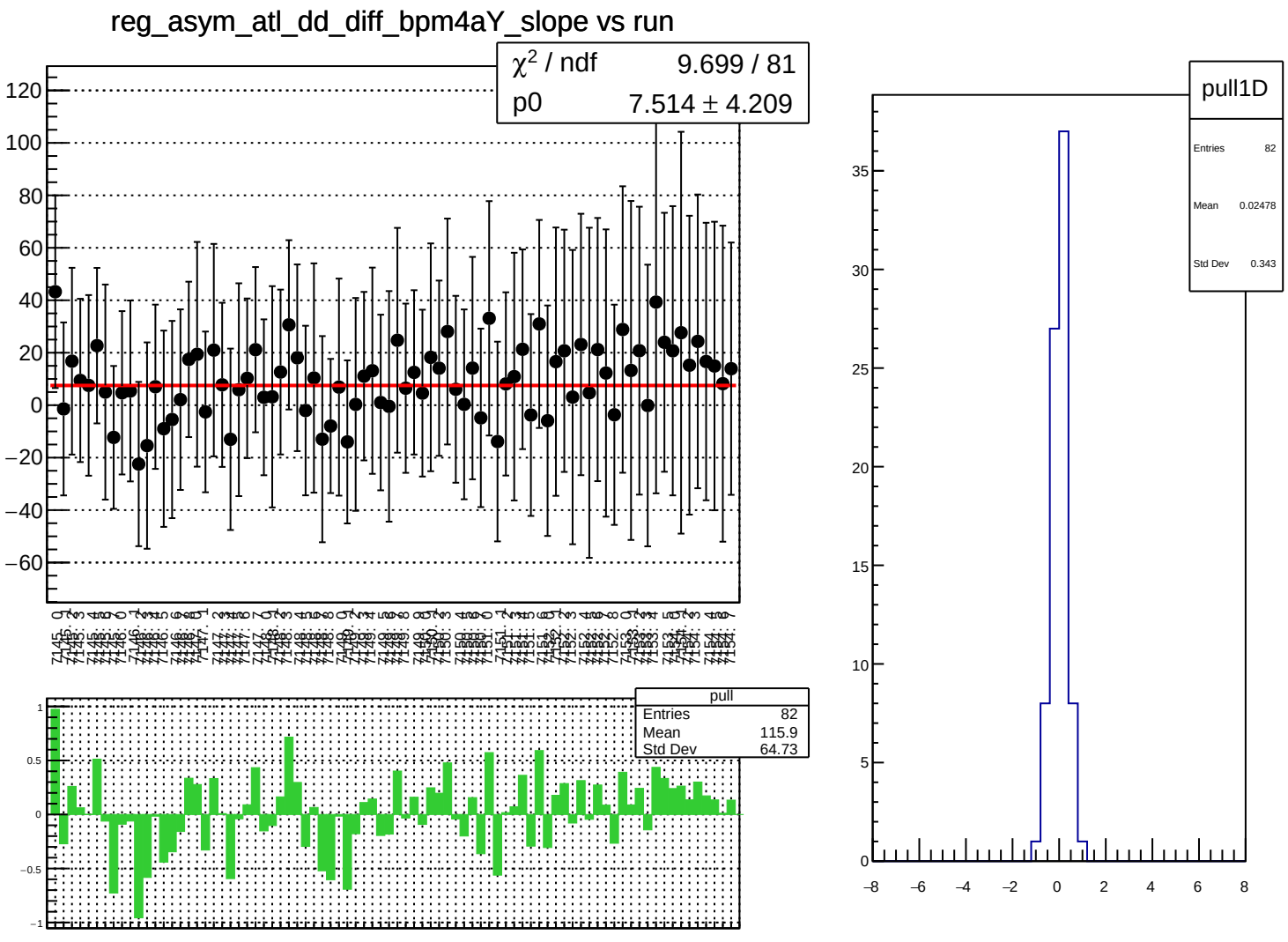

pull1D
Entries 82
Mean 0.04396
Std Dev 0.4497

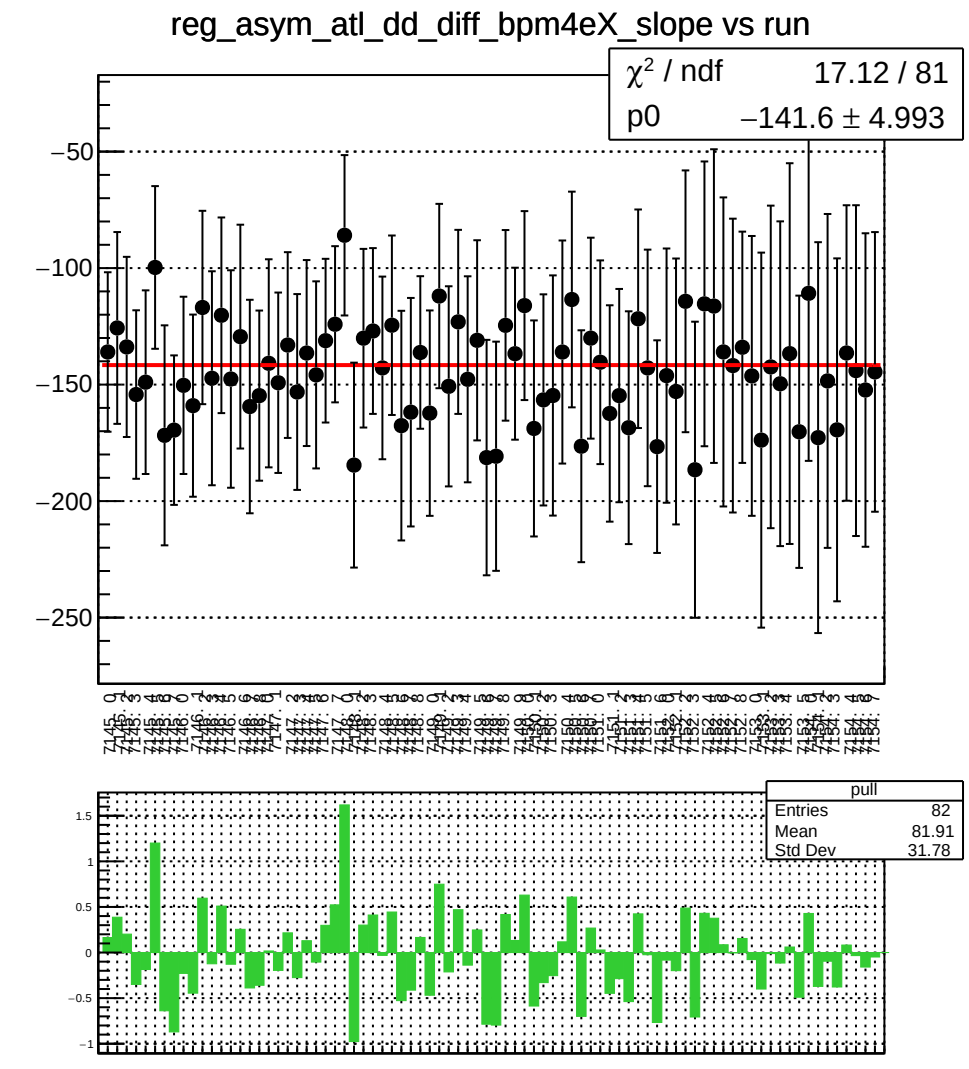

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 57.78 / 81
p0 −151.4 ± 0.2234
−145
−150
−155
−160
−165
−170
pull
Entries 82
Mean 196.5
Std Dev 152.5
1
0
−1
−2
−3
−4

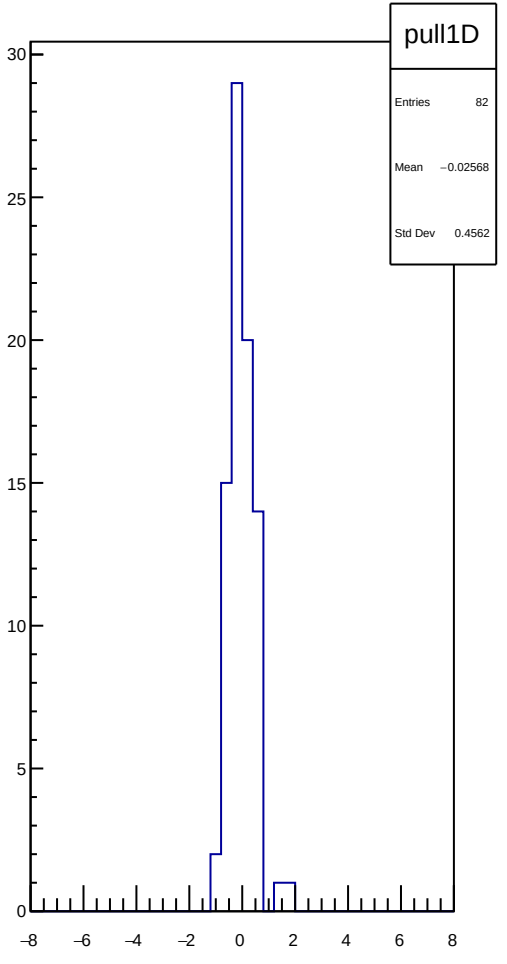

pull1D
Entries 82
Mean 0.02545
Std Dev 0.839
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

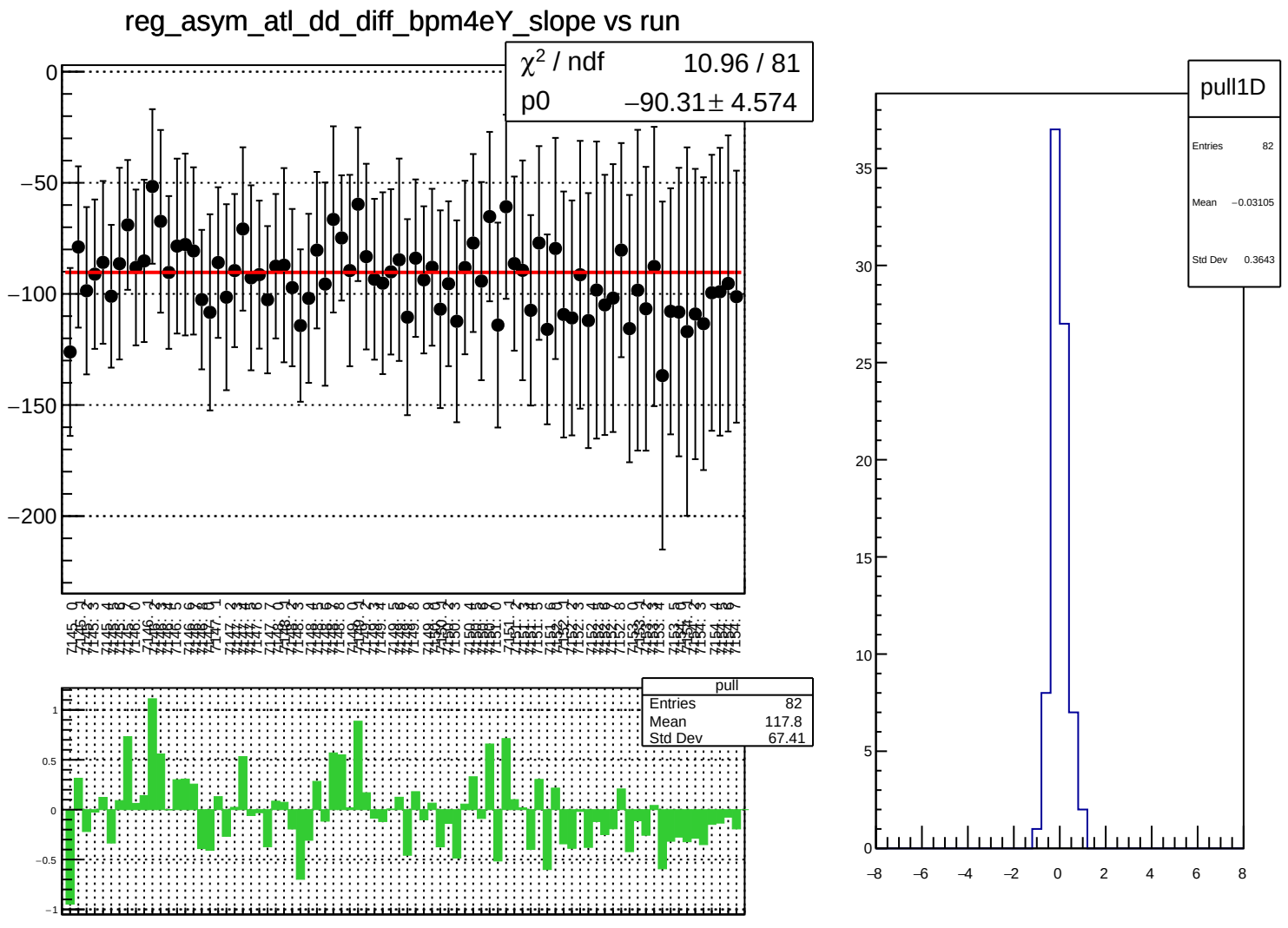

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 17.2 / 81
p0 190.5 ± 4.876
300
250
200
150
100
pull
Entries 82
Mean 69.5
Std Dev 10.4
1
0.5
0
−0.5
−1
−1.5

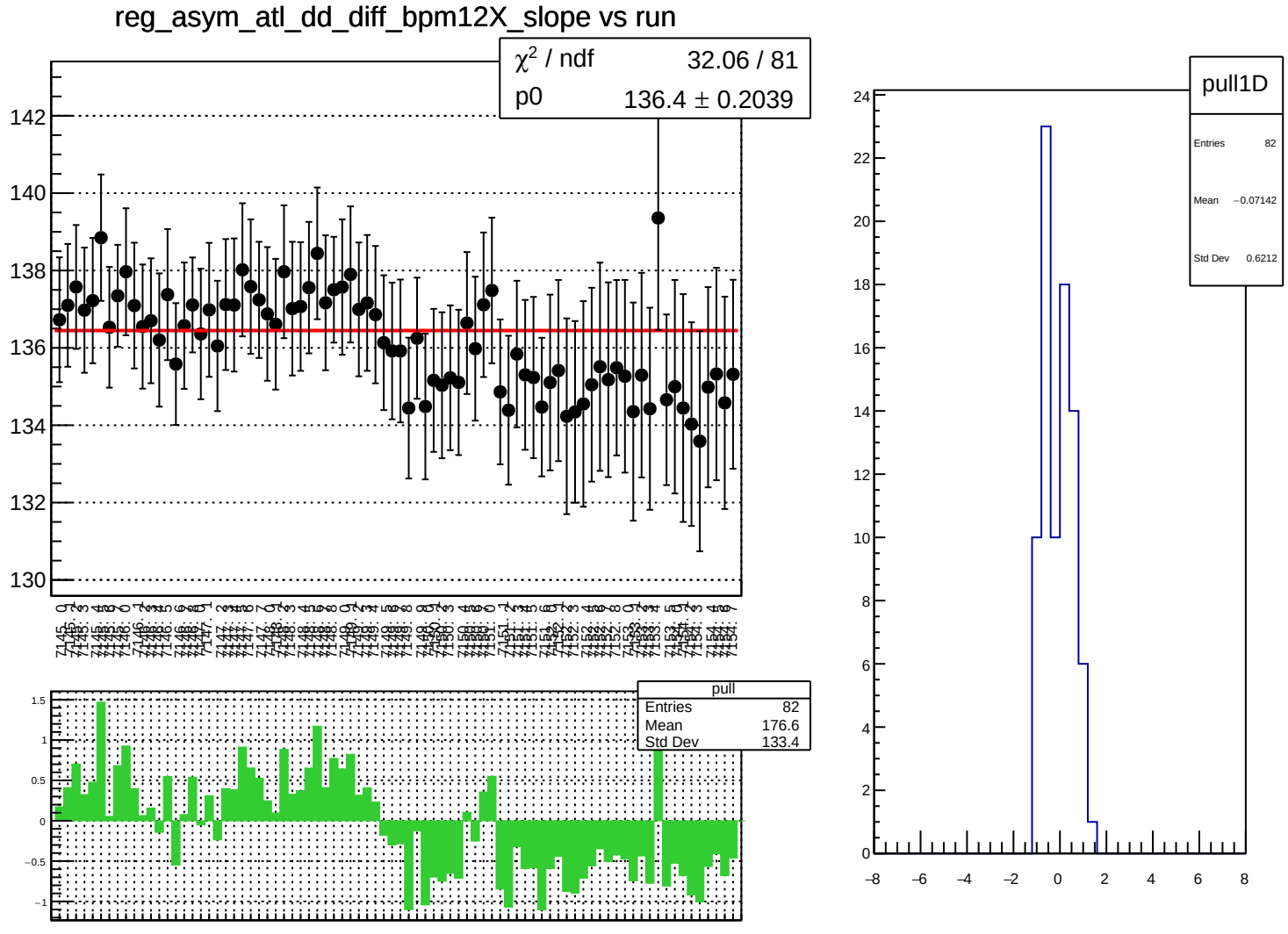

pull1D
Entries 82
Mean 0.02212
Std Dev 0.4574
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

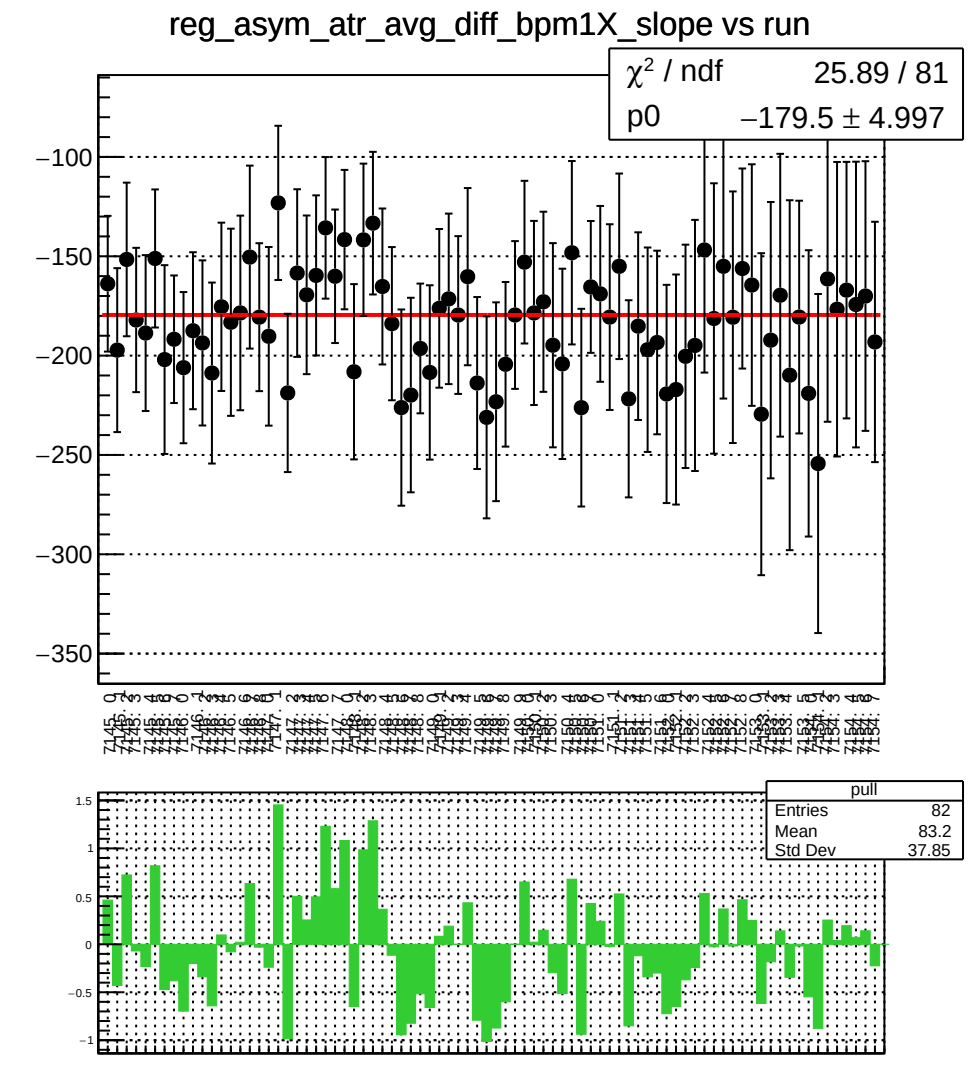

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.699 / 81
p0 7.514 ± 4.209
pull
Entries 82
Mean 115.9
Std Dev 64.73
pull1D
Entries 82
Mean 0.02478
Std Dev 0.343

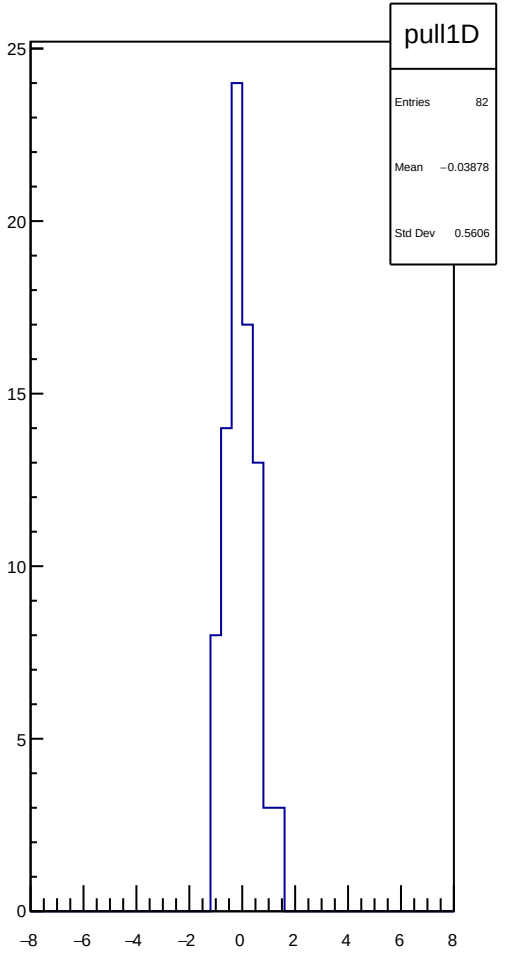

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.12 / 81
p0 −141.6 ± 4.993
−50
−100
−150
−200
−250
pull
Entries 82
Mean 81.91
Std Dev 31.78
1.5
1
0.5
0
−0.5
−1

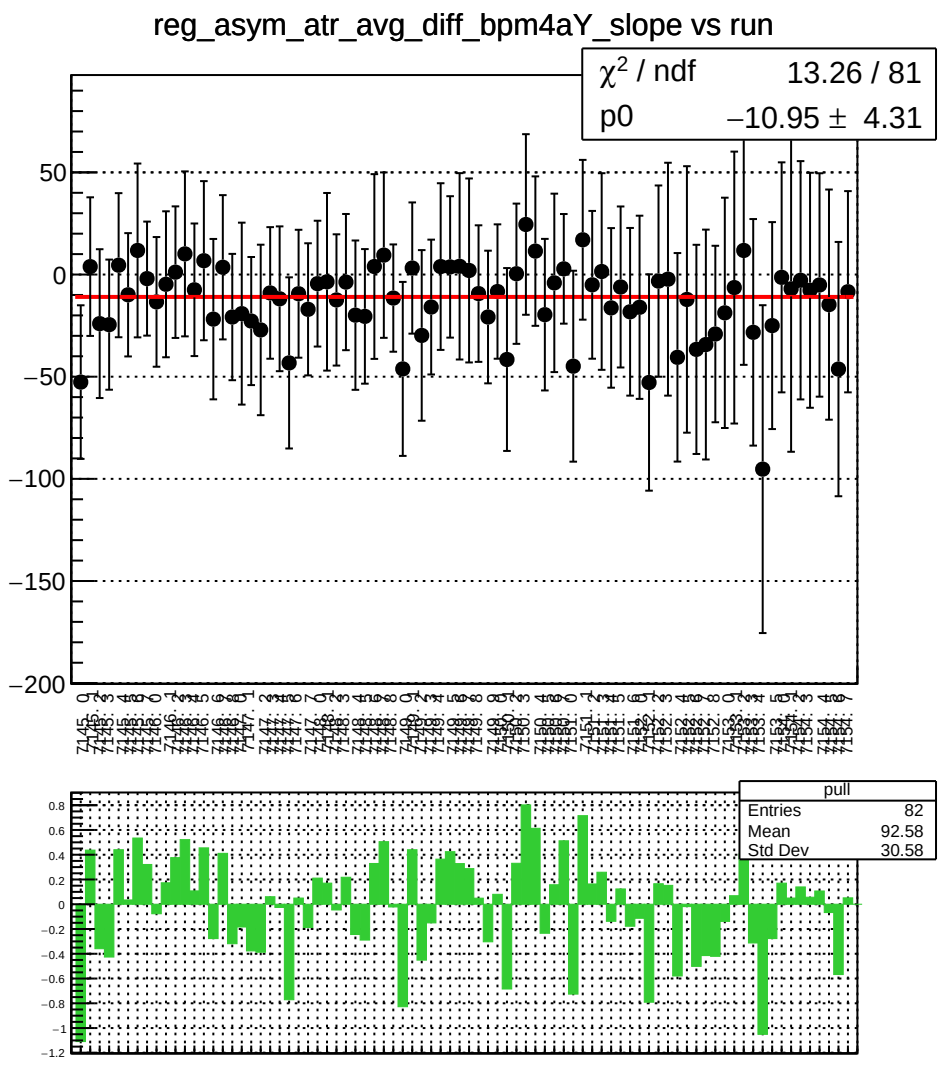

pull1D
Entries 82
Mean −0.02568
Std Dev 0.4562
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

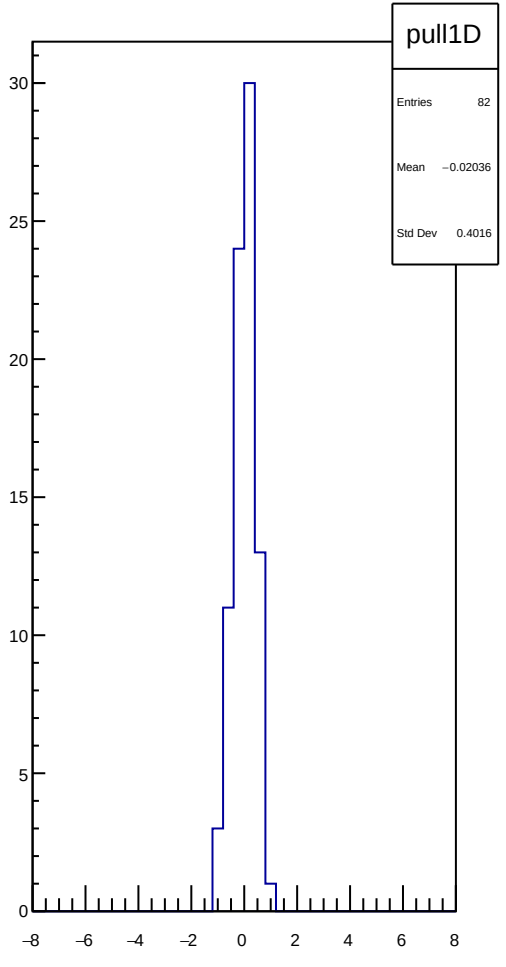

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 81
p0 −90.31 ± 4.574
0
−50
−100
−150
−200
pull
Entries 82
Mean 117.8
Std Dev 67.41
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.03105
Std Dev 0.3643
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

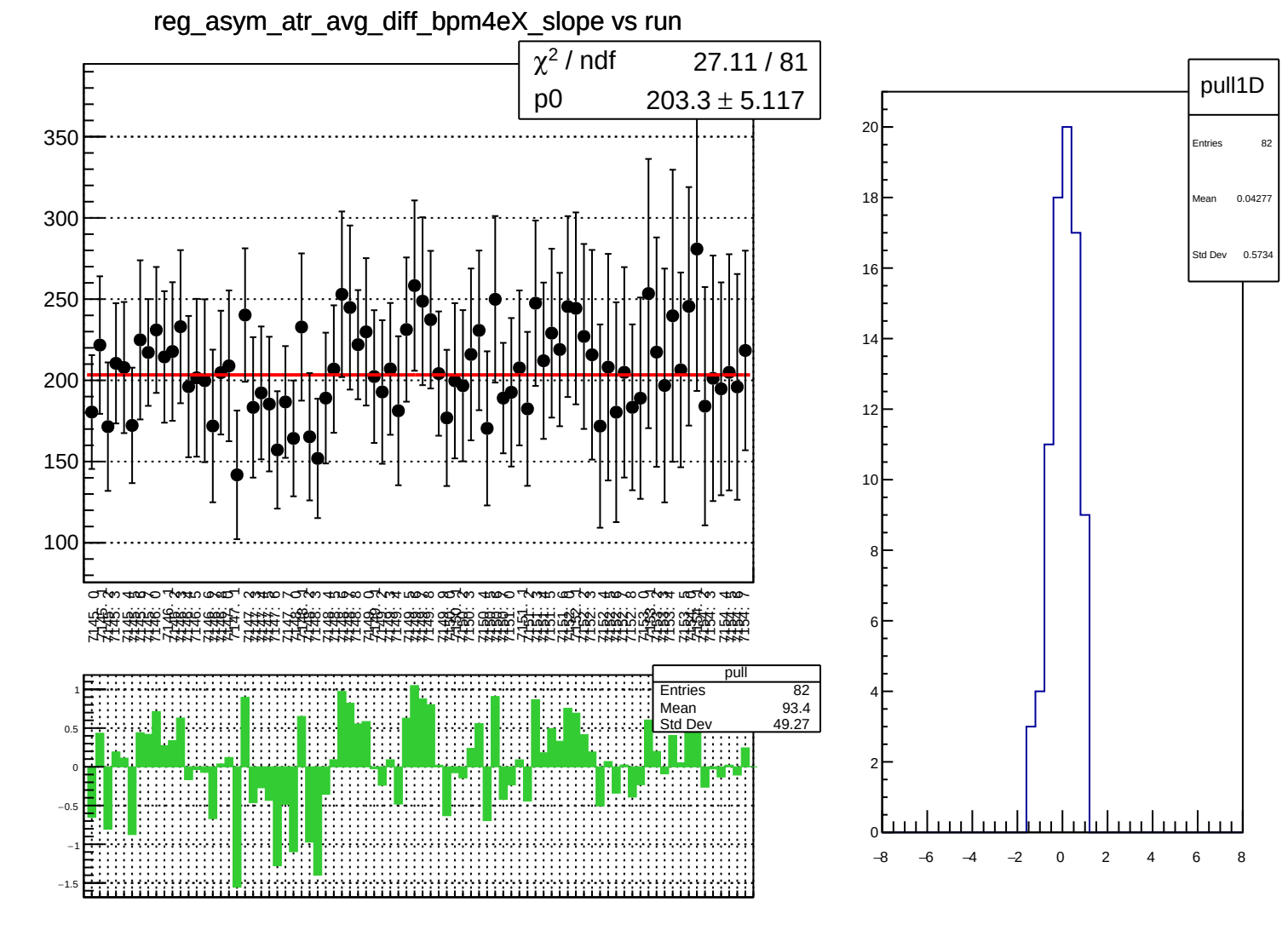

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 32.06 / 81
p0 136.4 ± 0.2039
pull
Entries 82
Mean 176.6
Std Dev 133.4
pull1D
Entries 82
Mean −0.07142
Std Dev 0.6212

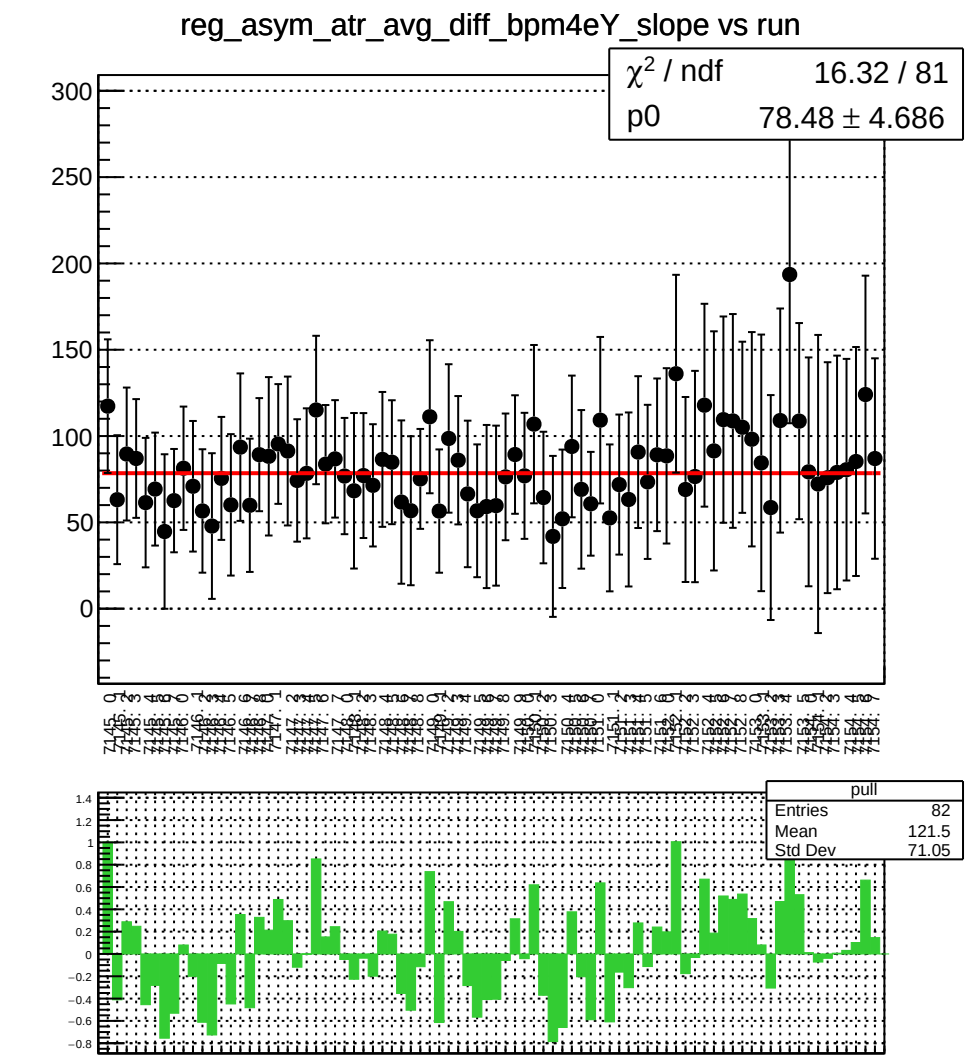

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 25.89 / 81
p0 −179.5 ± 4.997
pull
Entries 82
Mean 83.2
Std Dev 37.85

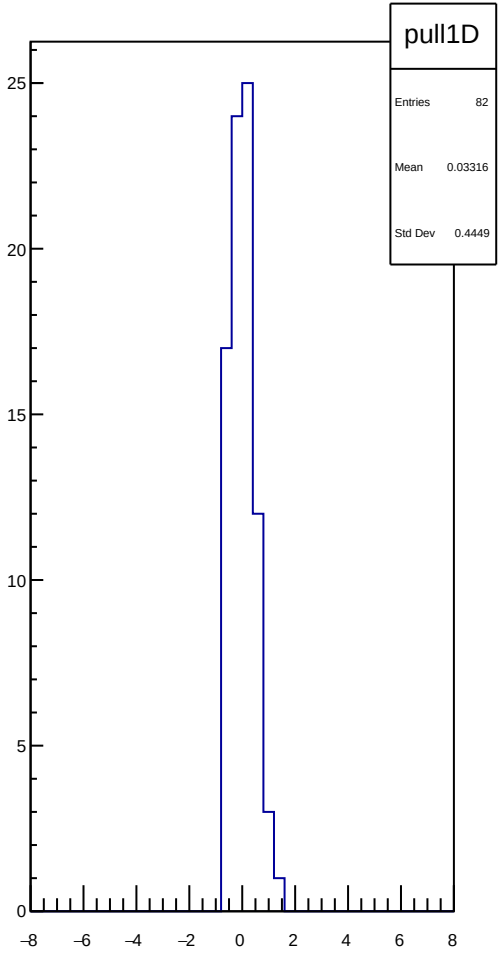

pull1D
Entries 82
Mean −0.03878
Std Dev 0.5606

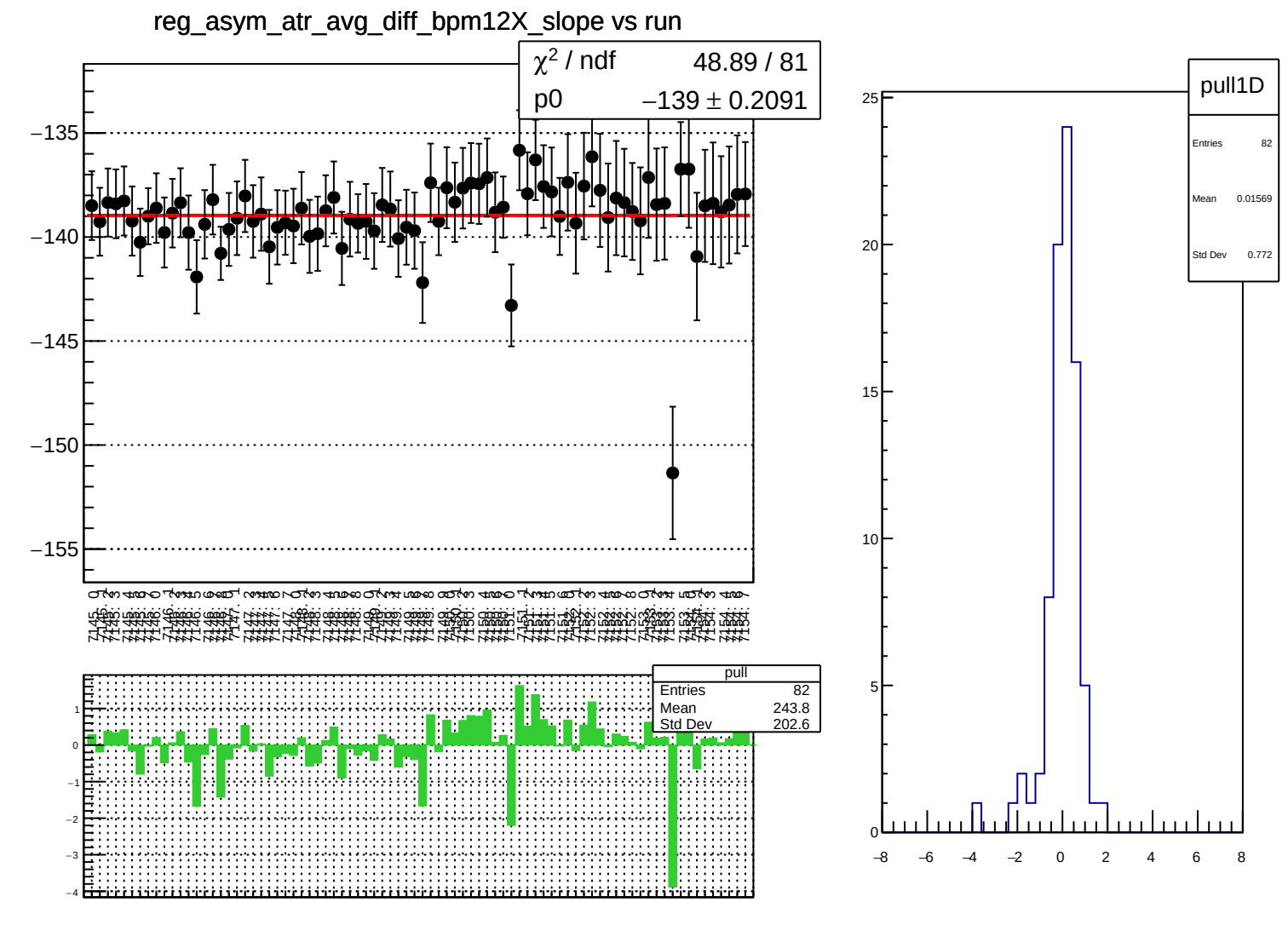

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.26 / 81
p0 −10.95 ± 4.31
50
0
−50
−100
−150
−200
pull
Entries 82
Mean 92.58
Std Dev 30.58
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

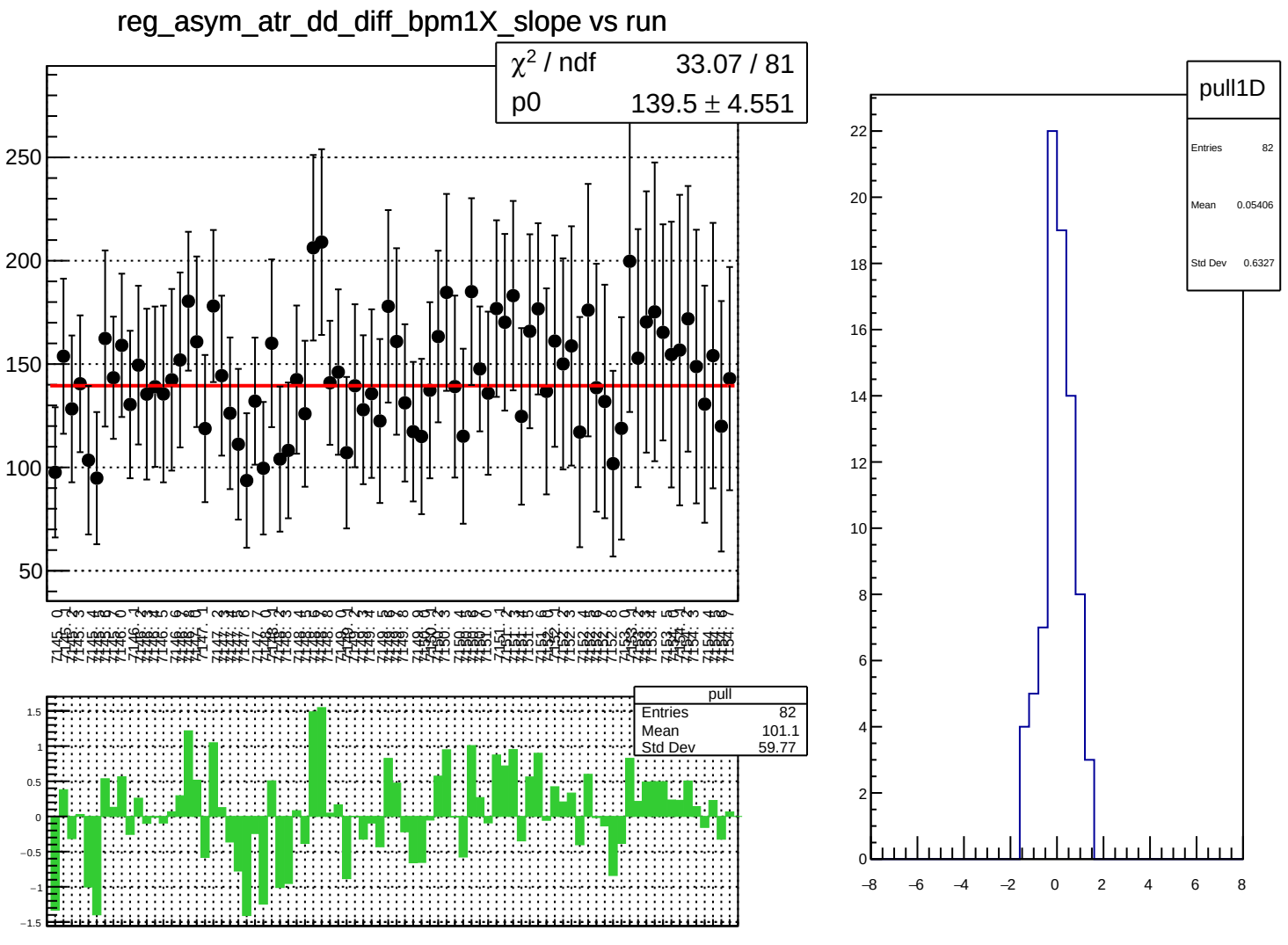

pull1D
Entries 82
Mean −0.02036
Std Dev 0.4016
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

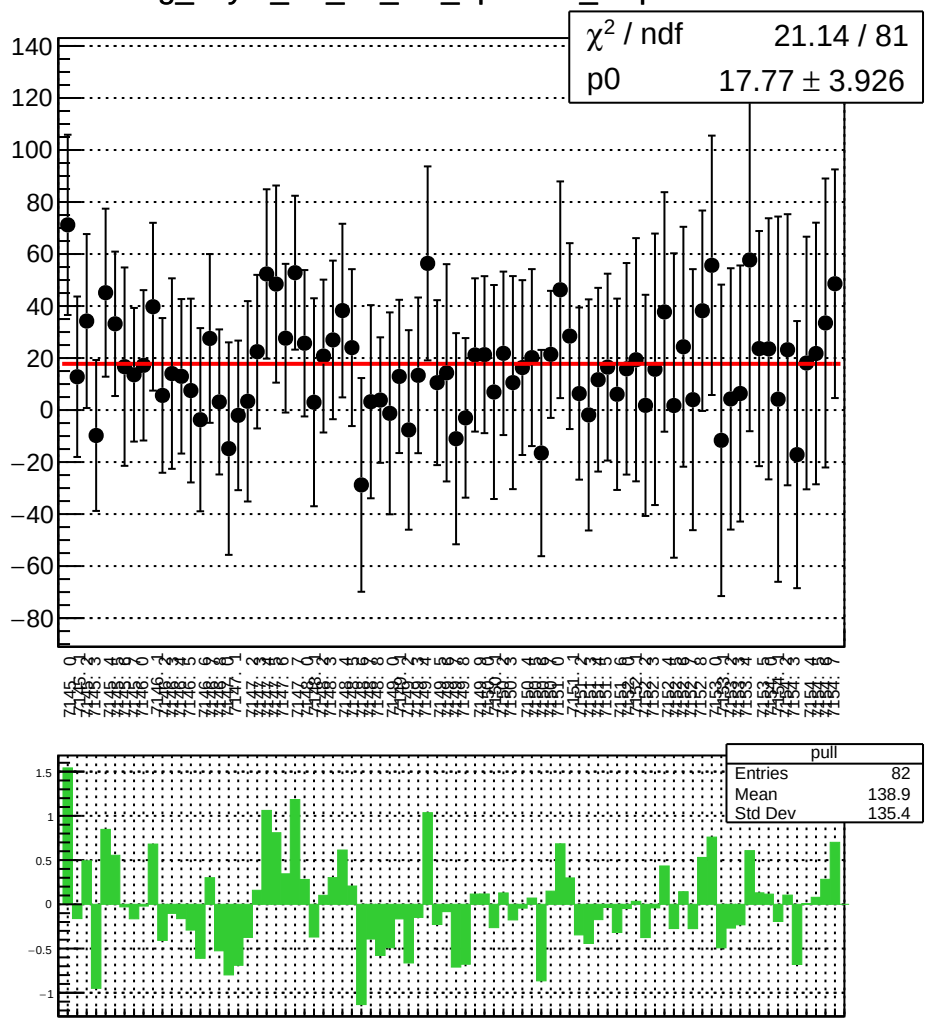

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.11 / 81
p0 203.3 ± 5.117
pull
Entries 82
Mean 93.4
Std Dev 49.27
pull1D
Entries 82
Mean 0.04277
Std Dev 0.5734

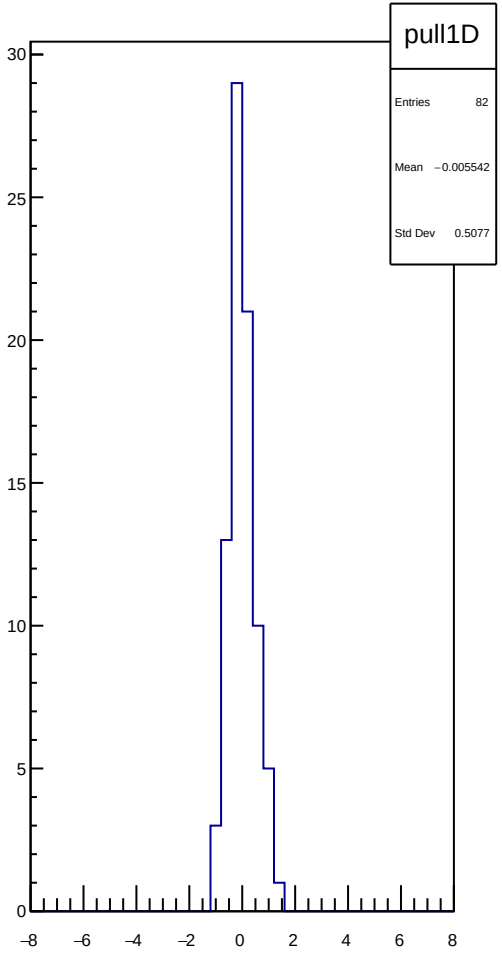

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.32 / 81
p0 78.48 ± 4.686
pull
Entries 82
Mean 121.5
Std Dev 71.05

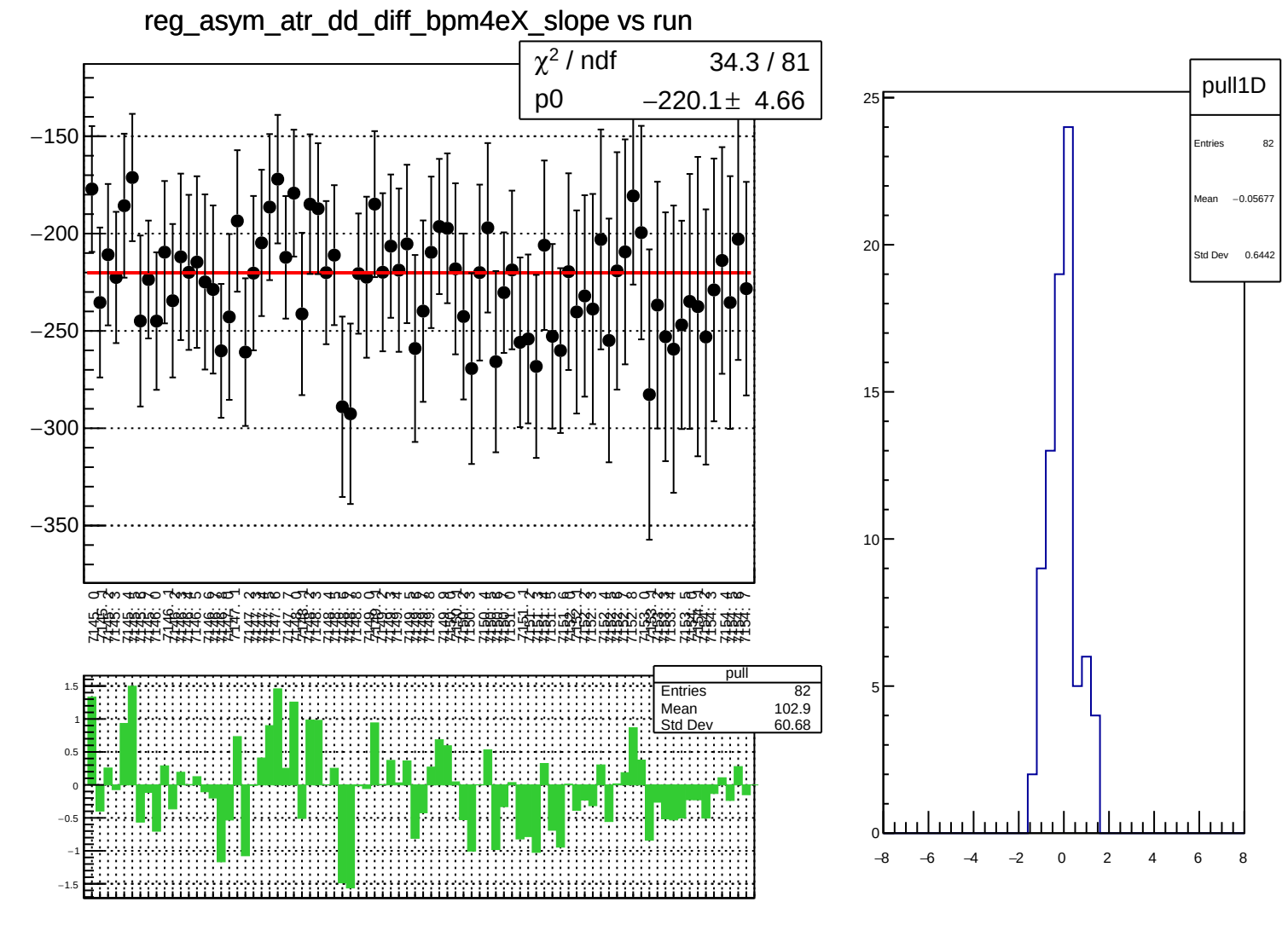

pull1D
Entries 82
Mean 0.03316
Std Dev 0.4449

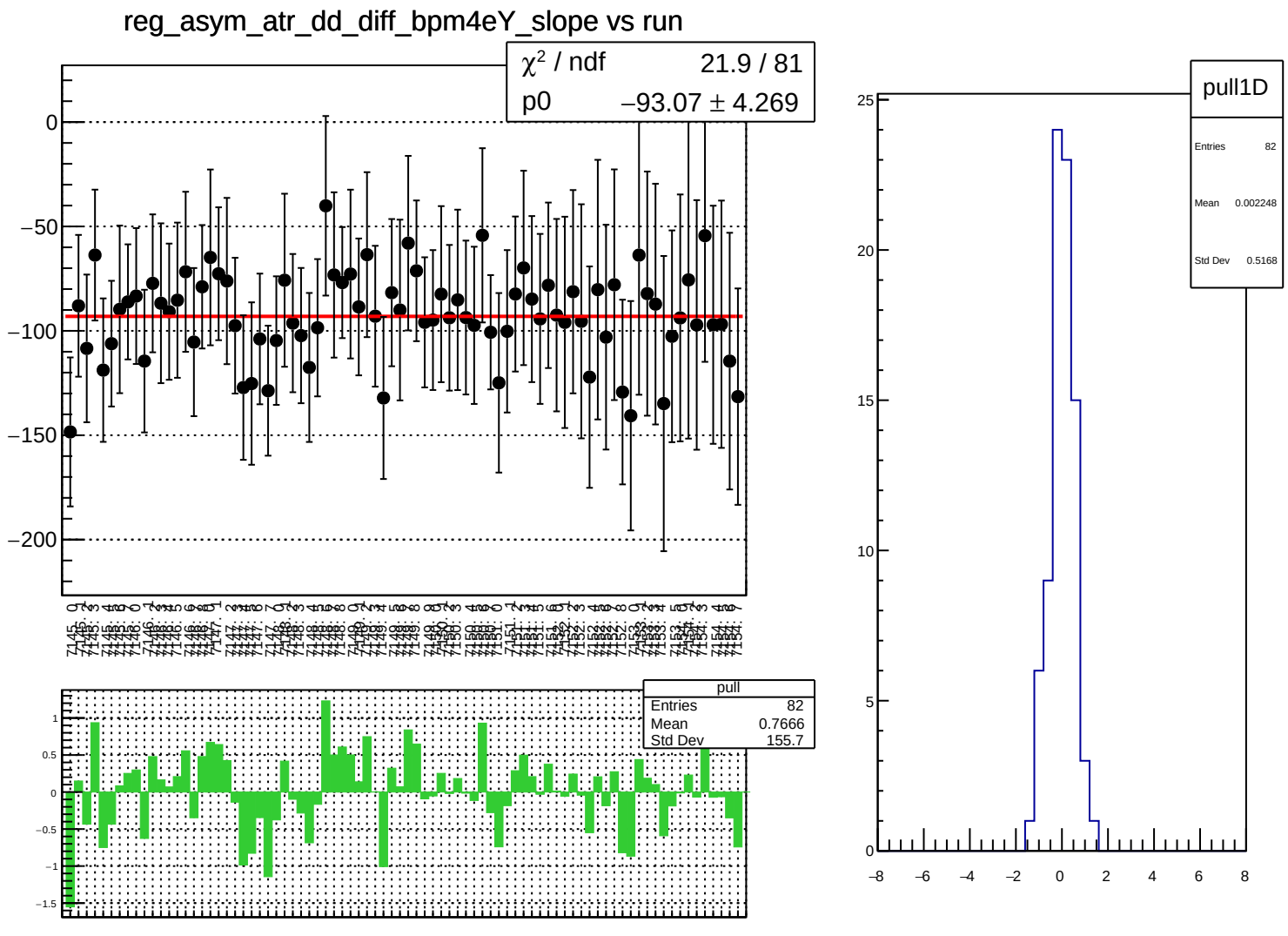

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 48.89 / 81
p0 −139 ± 0.2091
−135
−140
−145
−150
−155
pull
Entries 82
Mean 243.8
Std Dev 202.6
pull1D
Entries 82
Mean 0.01569
Std Dev 0.772
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

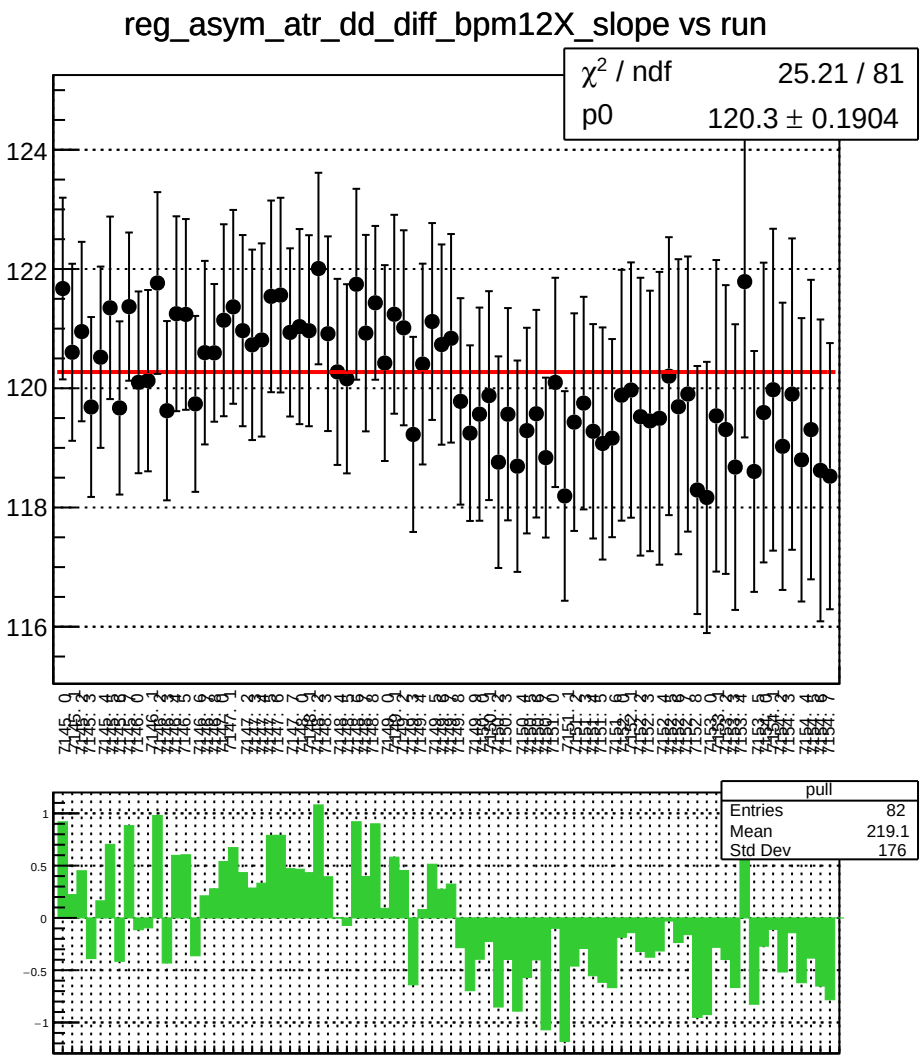

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.07 / 81
p0 139.5 ± 4.551
250
200
150
100
50
pull
Entries 82
Mean 101.1
Std Dev 59.77
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean 0.05406
Std Dev 0.6327
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

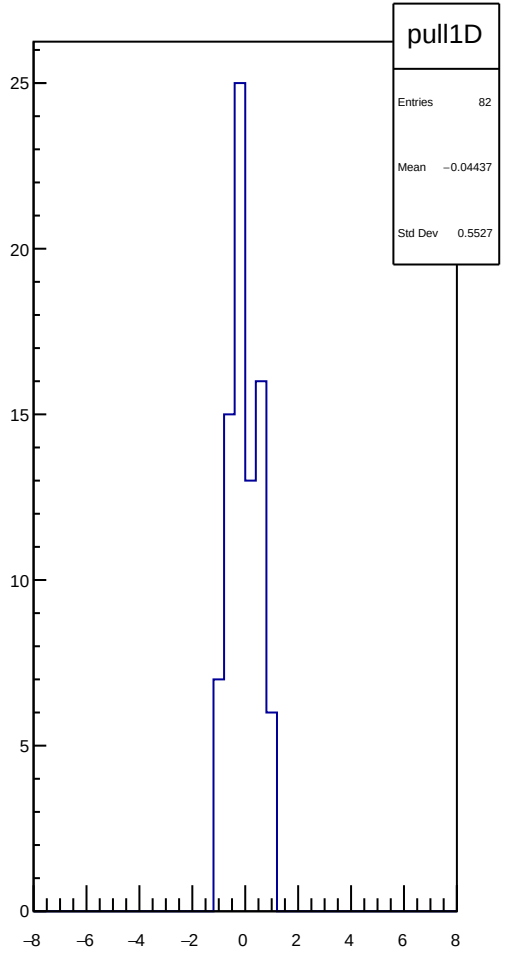

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.14 / 81
p0 17.77 ± 3.926
pull
Entries 82
Mean 138.9
Std Dev 135.4

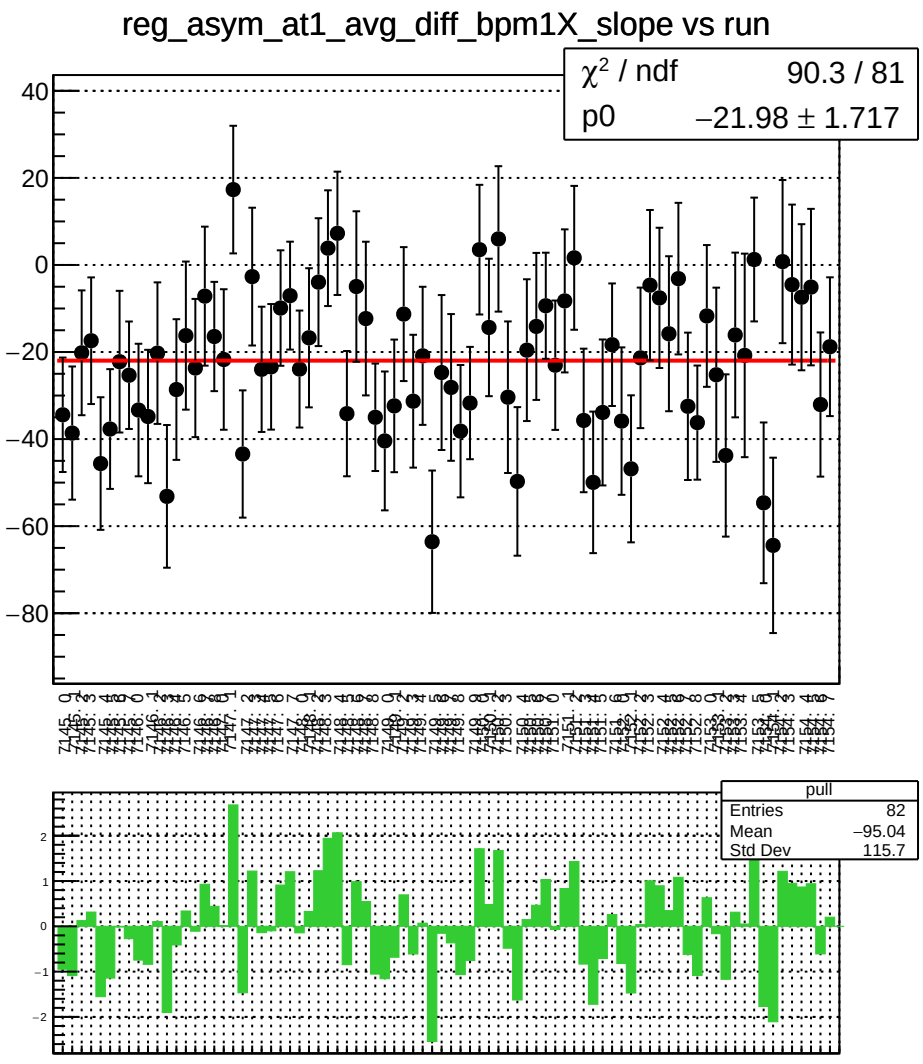

pull1D
Entries 82
Mean −0.005542
Std Dev 0.5077

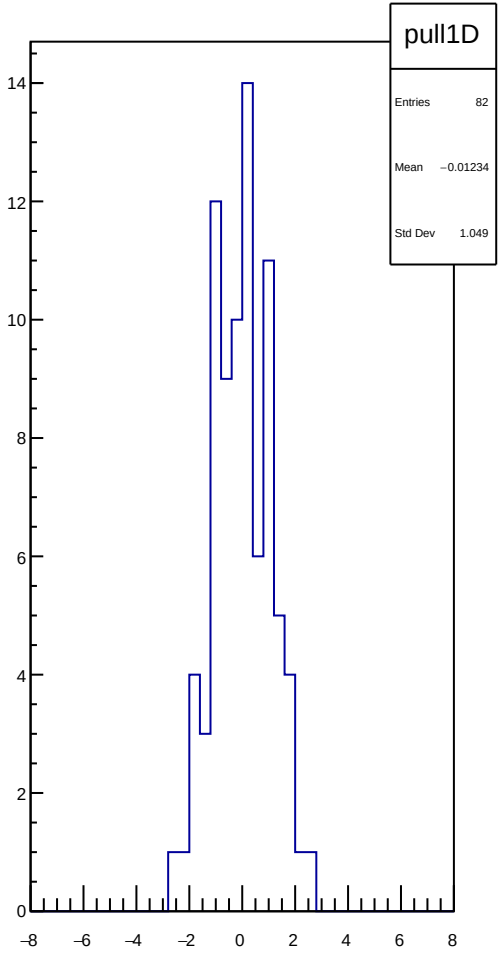

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.3 / 81
p0 −220.1± 4.66
−150
−200
−250
−300
−350
pull
Entries 82
Mean 102.9
Std Dev 60.68
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.05677
Std Dev 0.6442
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

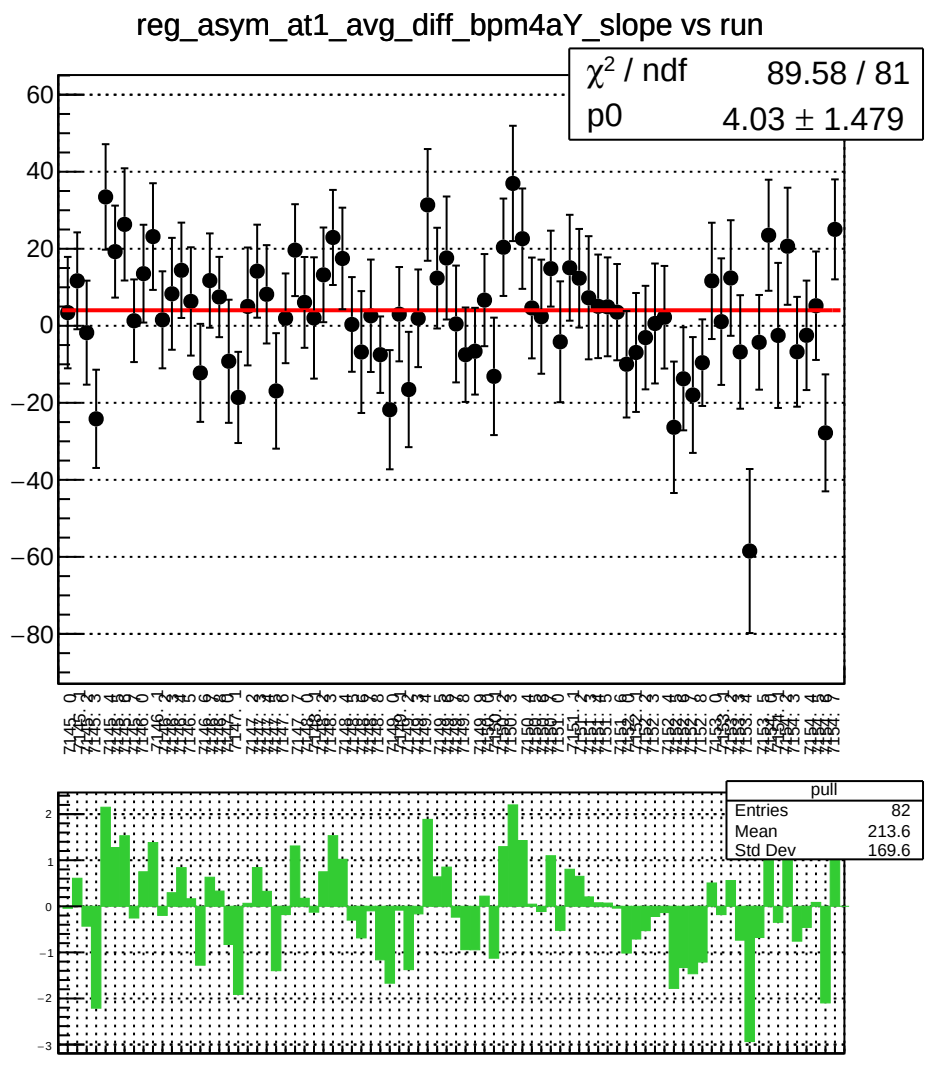

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.9 / 81
p0 −93.07 ± 4.269
pull
Entries 82
Mean 0.7666
Std Dev 155.7
pull1D
Entries 82
Mean 0.002248
Std Dev 0.5168

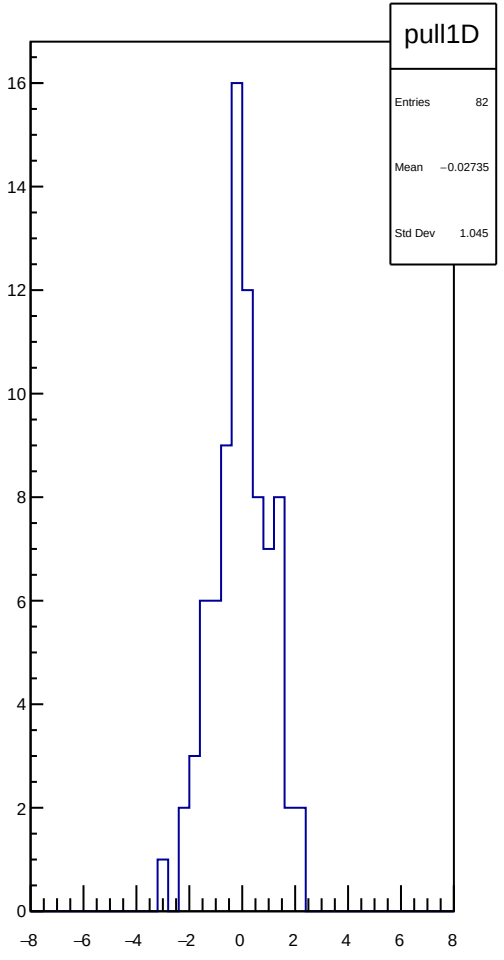

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 25.21 / 81
p0 120.3 ± 0.1904
124
122
120
118
116
pull
Entries 82
Mean 219.1
Std Dev 176
1
0.5
0
−0.5
−1

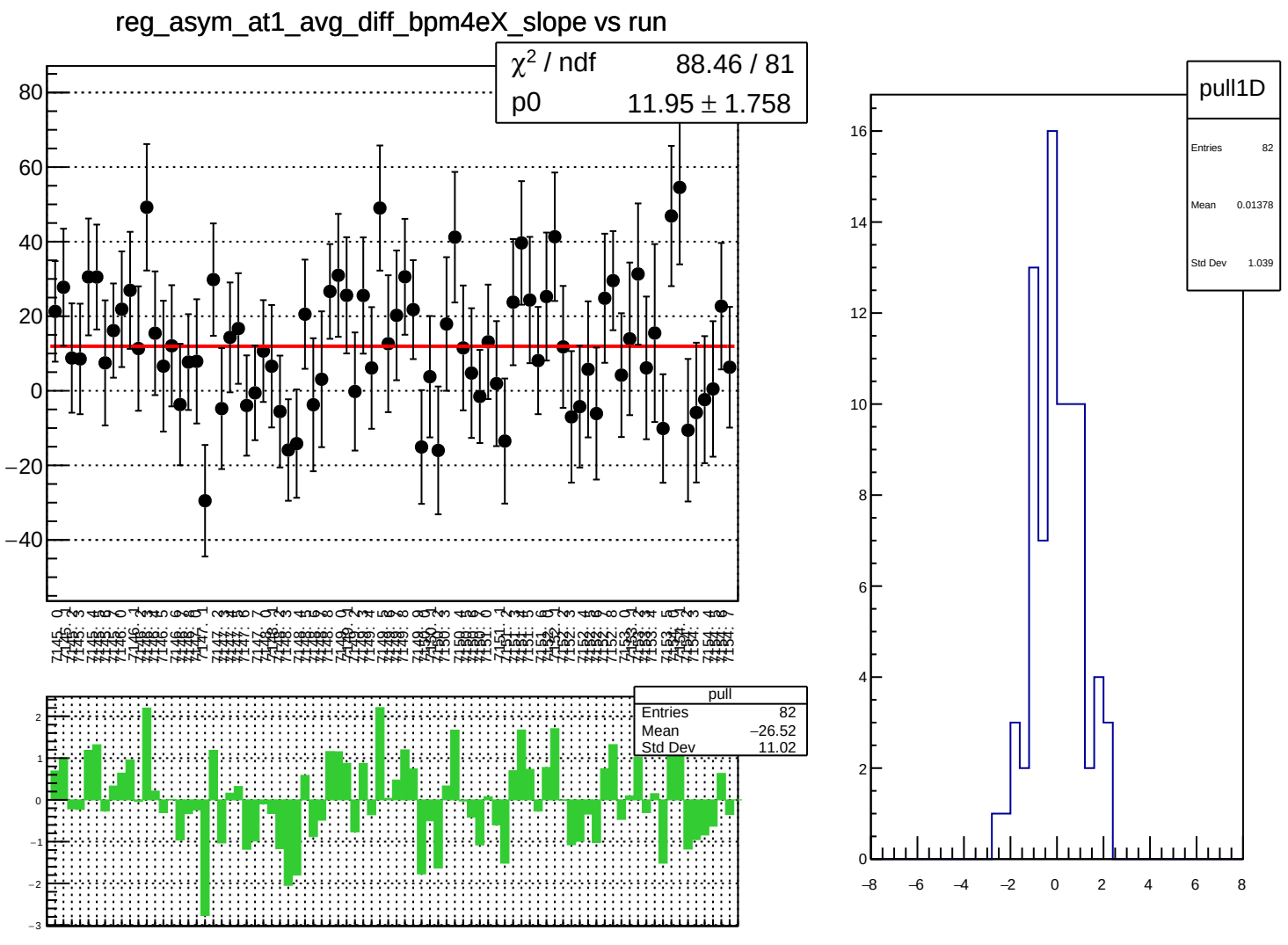

pull1D
Entries 82
Mean −0.04437
Std Dev 0.5527
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

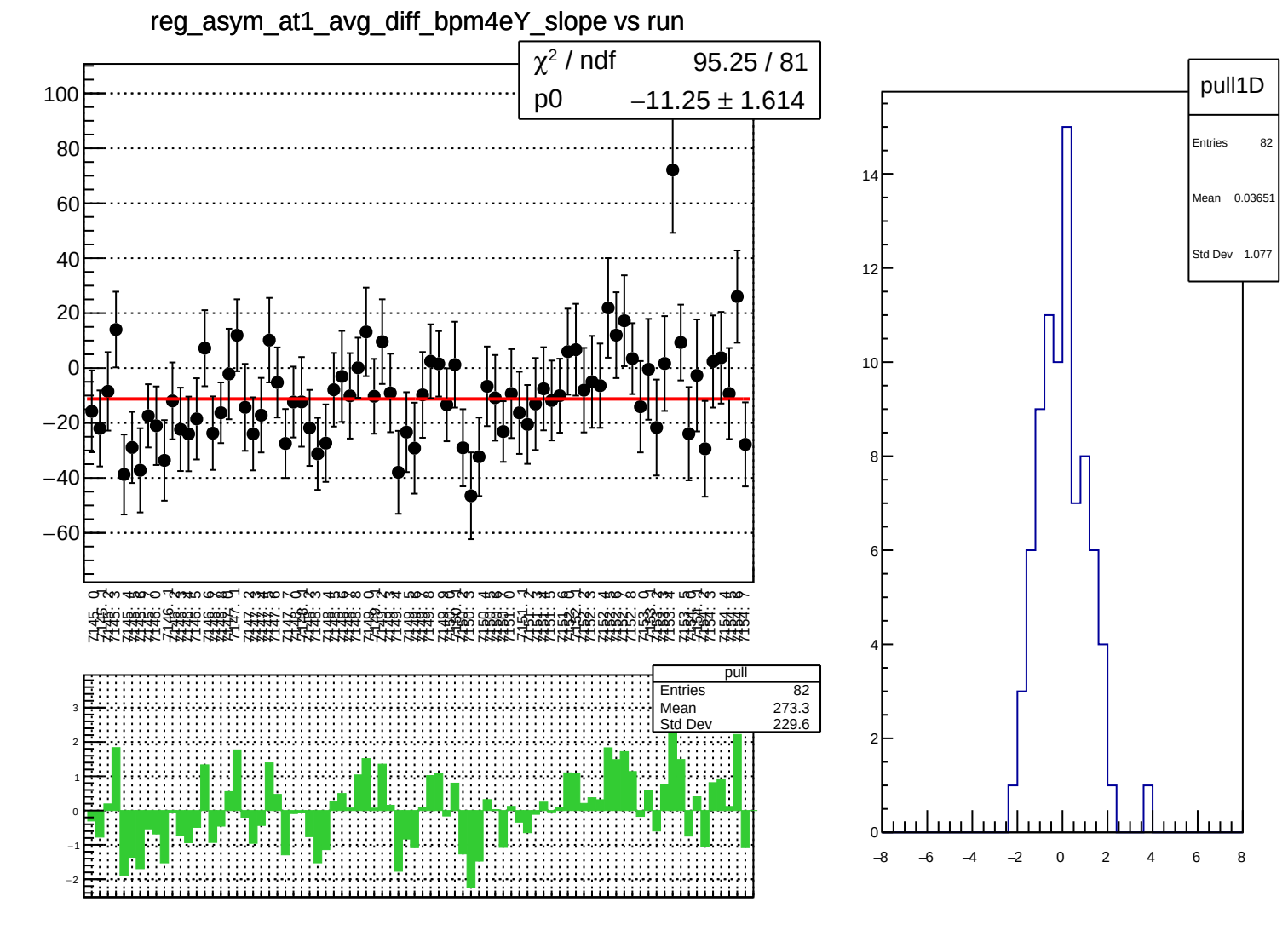

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 90.3 / 81
p0 −21.98 ± 1.717
pull
Entries 82
Mean −95.04
Std Dev 115.7

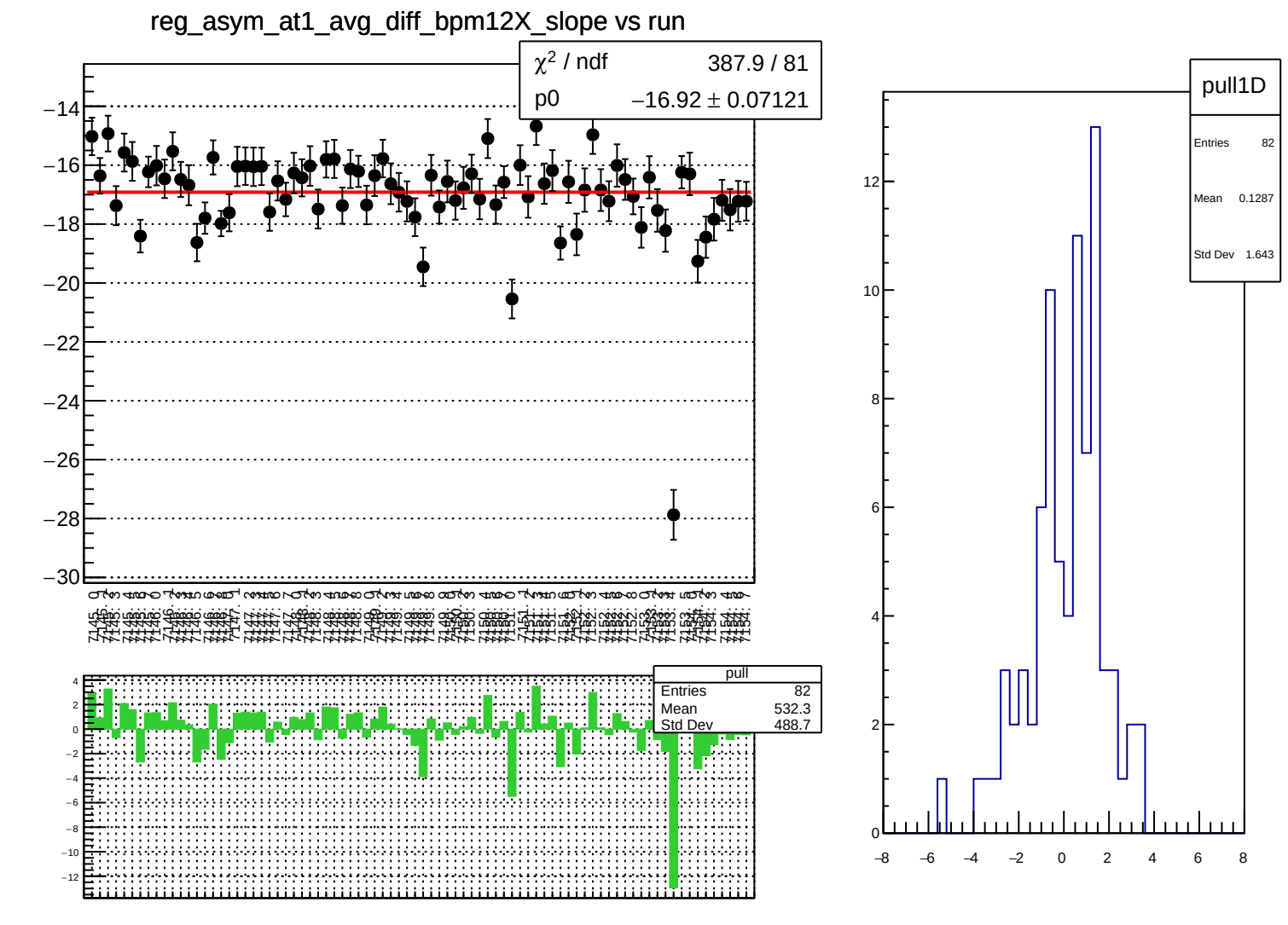

pull1D
Entries 82
Mean −0.01234
Std Dev 1.049

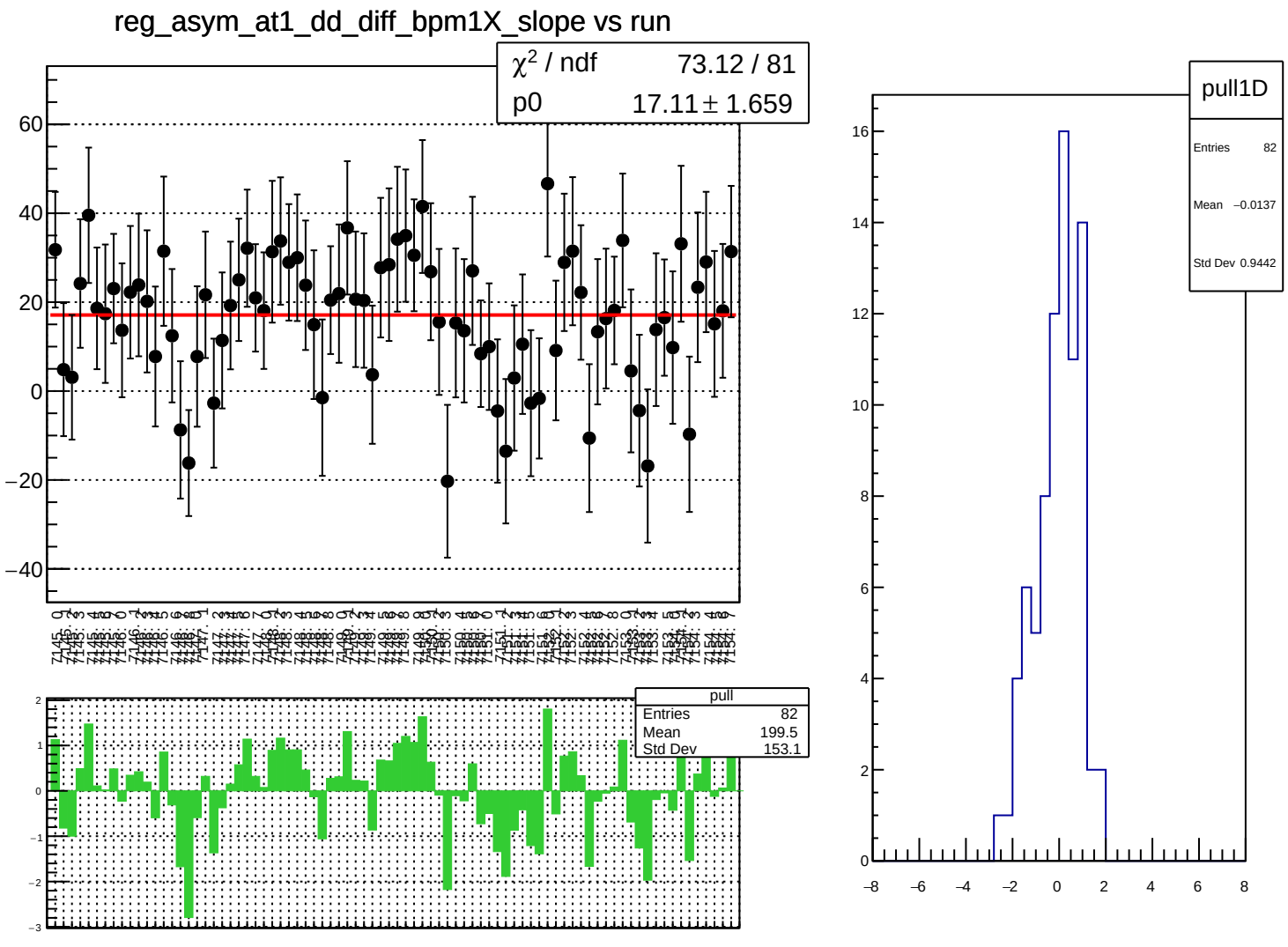

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.58 / 81
p0 4.03 ± 1.479
pull
Entries 82
Mean 213.6
Std Dev 169.6

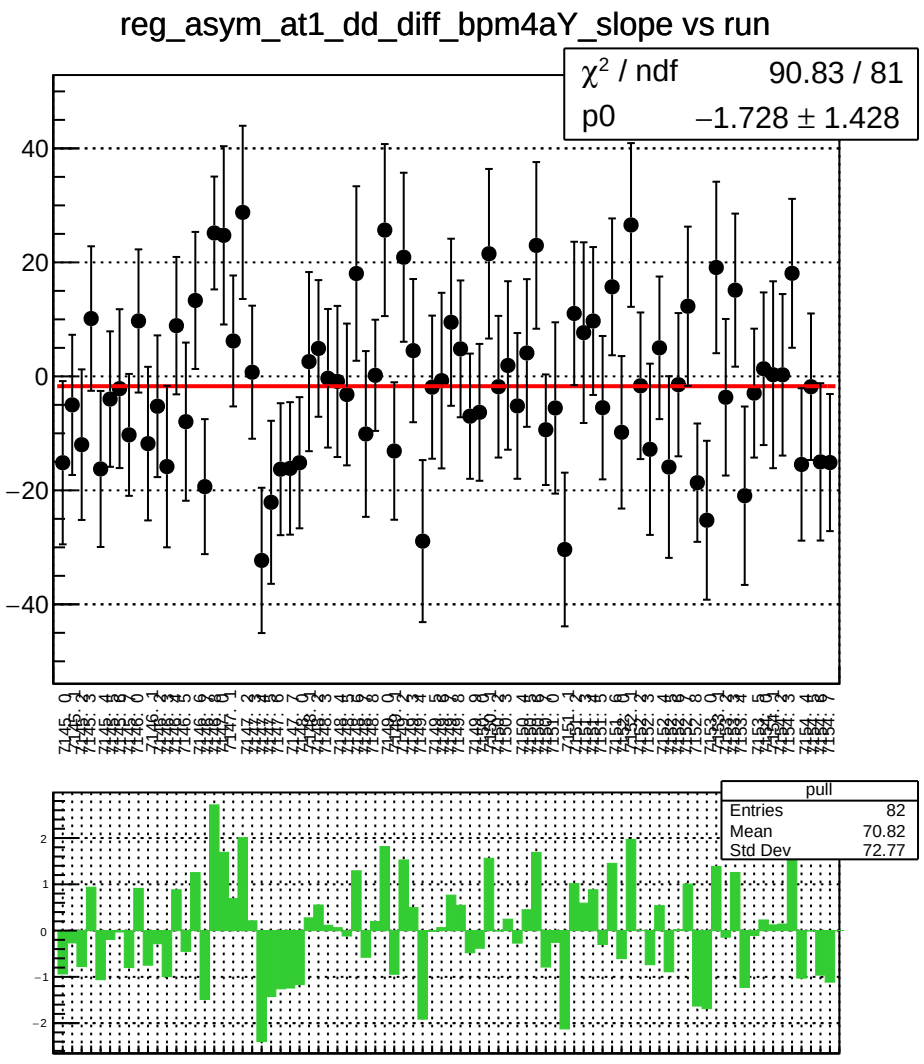

pull1D
Entries 82
Mean −0.02735
Std Dev 1.045

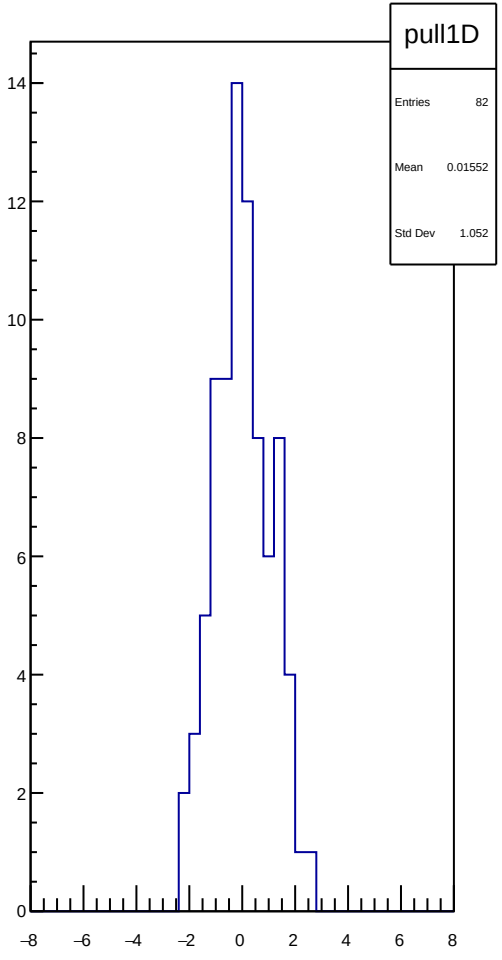

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.46 / 81
p0 11.95 ± 1.758
pull
Entries 82
Mean −26.52
Std Dev 11.02
pull1D
Entries 82
Mean 0.01378
Std Dev 1.039

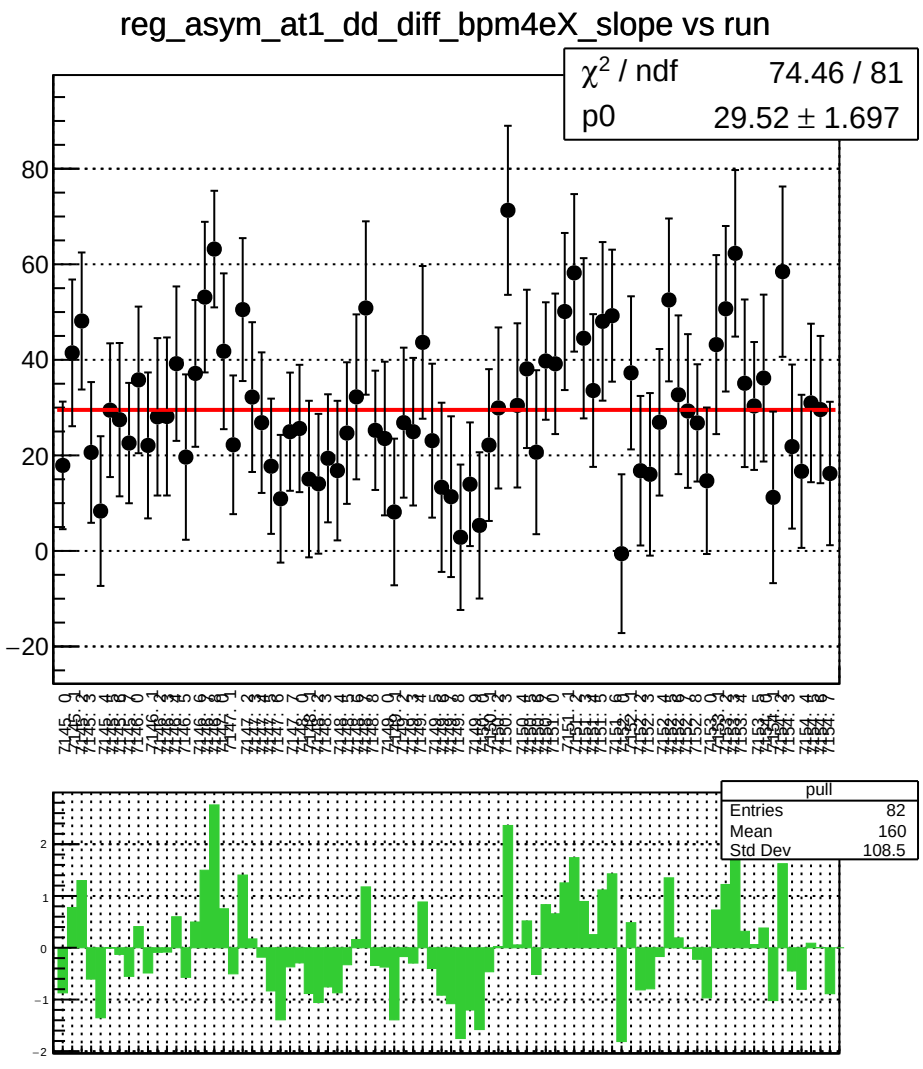

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.25 / 81
p0 −11.25 ± 1.614
pull
Entries 82
Mean 273.3
Std Dev 229.6
pull1D
Entries 82
Mean 0.03651
Std Dev 1.077

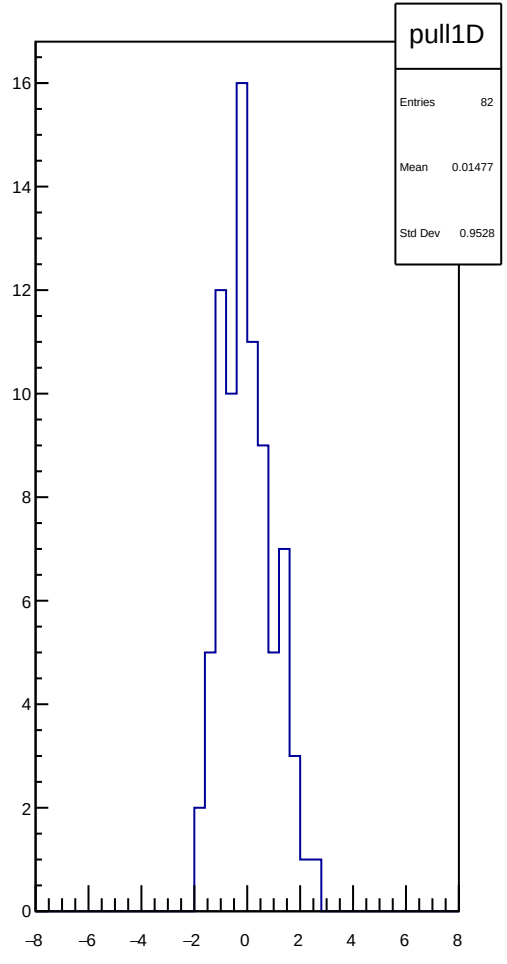

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 387.9 / 81
p0 −16.92 ± 0.07121
pull
Entries 82
Mean 532.3
Std Dev 488.7
pull1D
Entries 82
Mean 0.1287
Std Dev 1.643

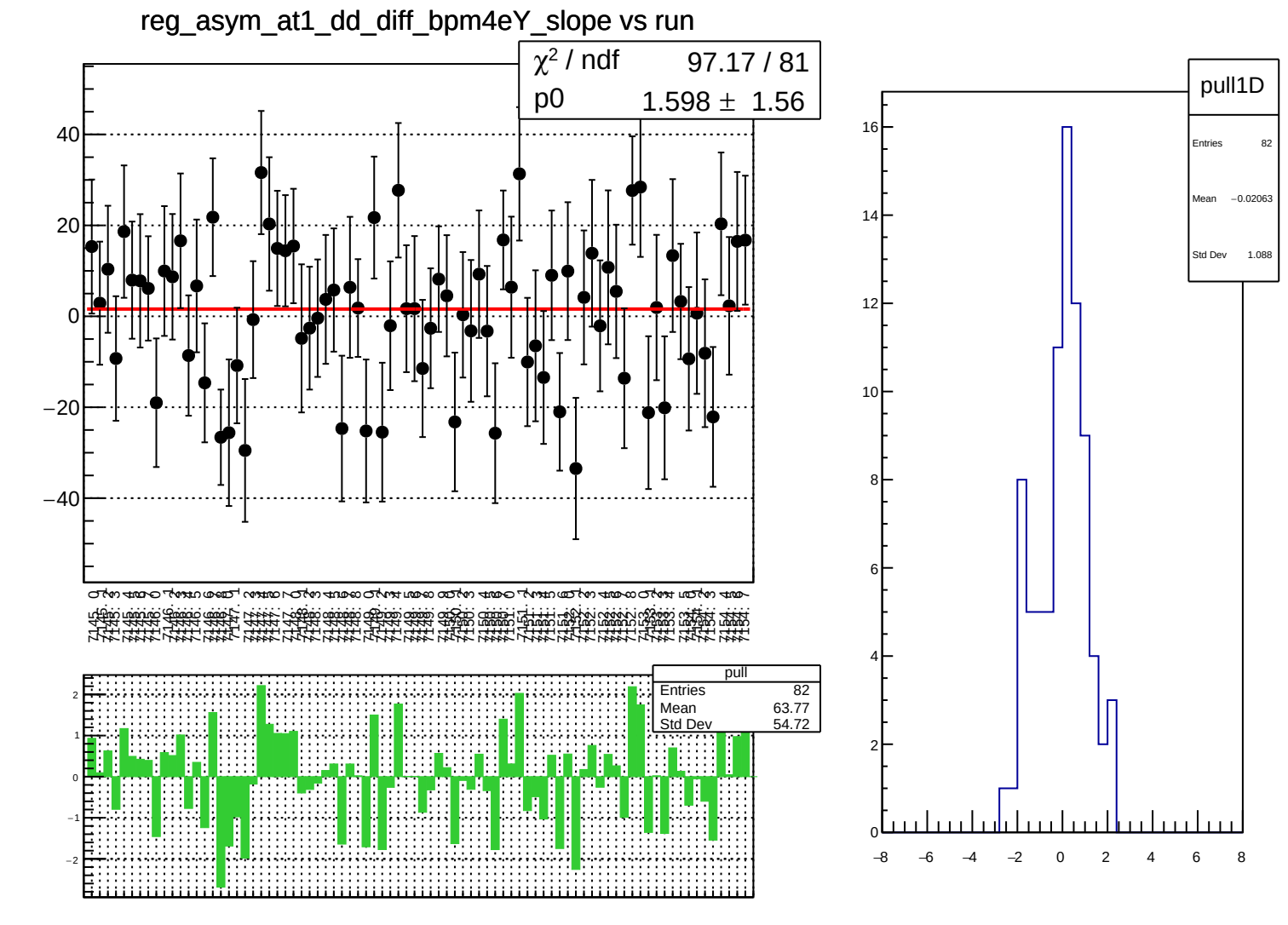

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 73.12 / 81
p0 17.11 ± 1.659
pull
Entries 82
Mean 199.5
Std Dev 153.1
pull1D
Entries 82
Mean −0.0137
Std Dev 0.9442

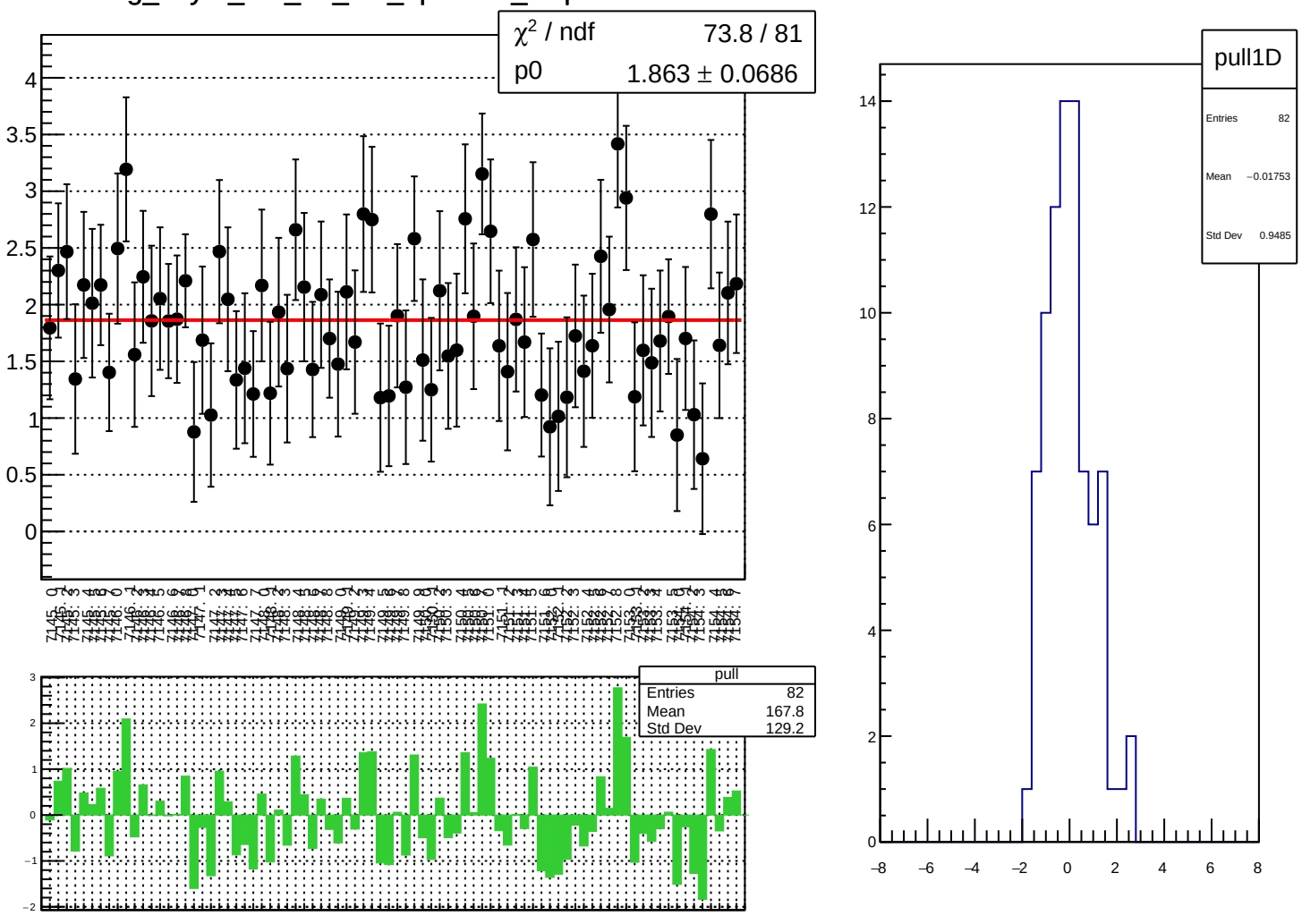

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.83 / 81
p0 −1.728 ± 1.428
pull
Entries 82
Mean 70.82
Std Dev 72.77

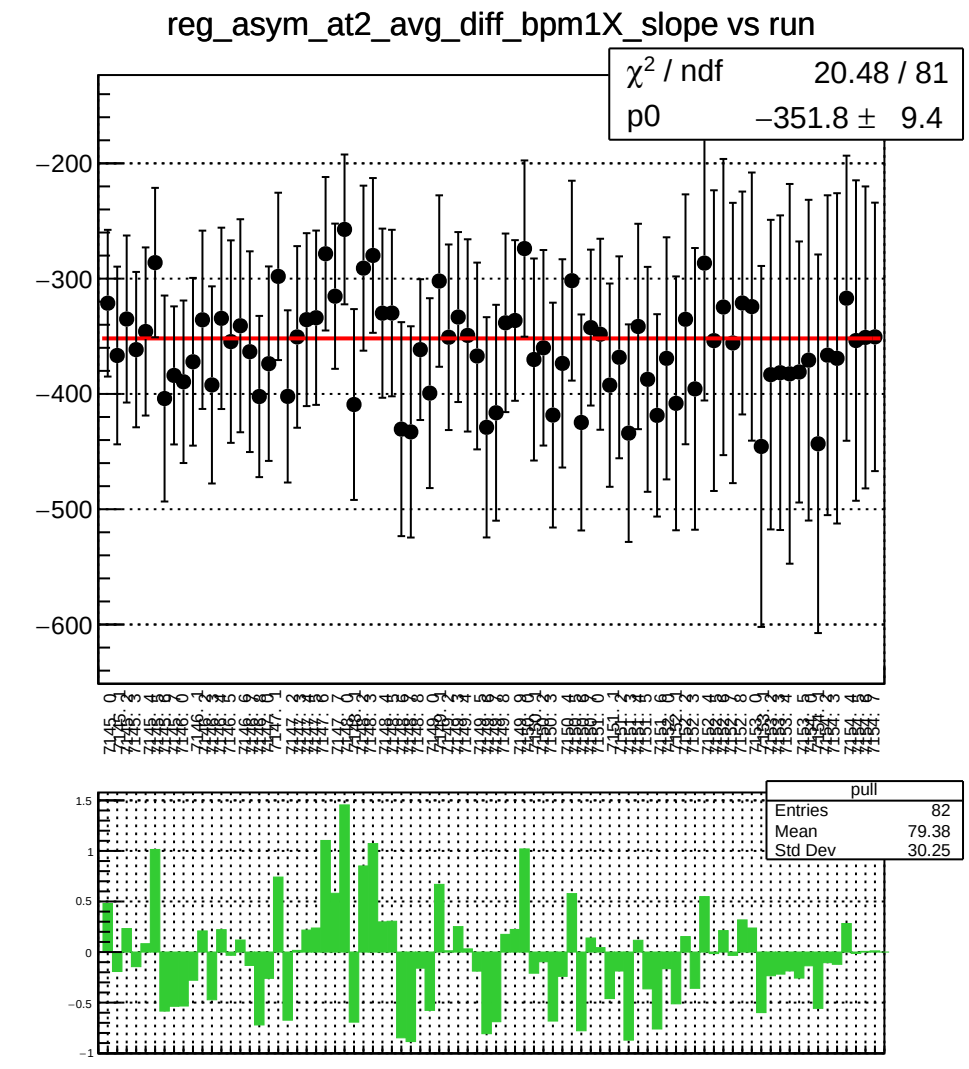

pull1D
Entries 82
Mean 0.01552
Std Dev 1.052

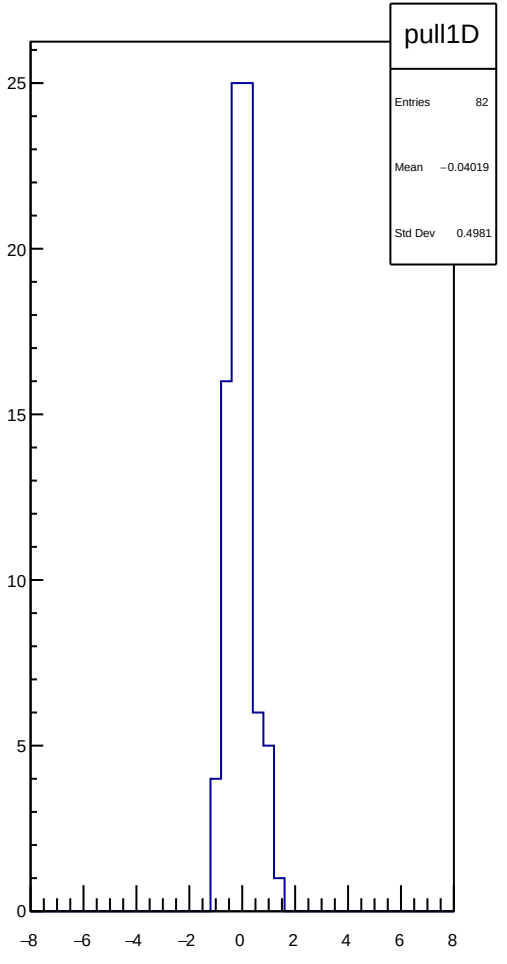

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.46 / 81
p0 29.52 ± 1.697
pull
Entries 82
Mean 160
Std Dev 108.5

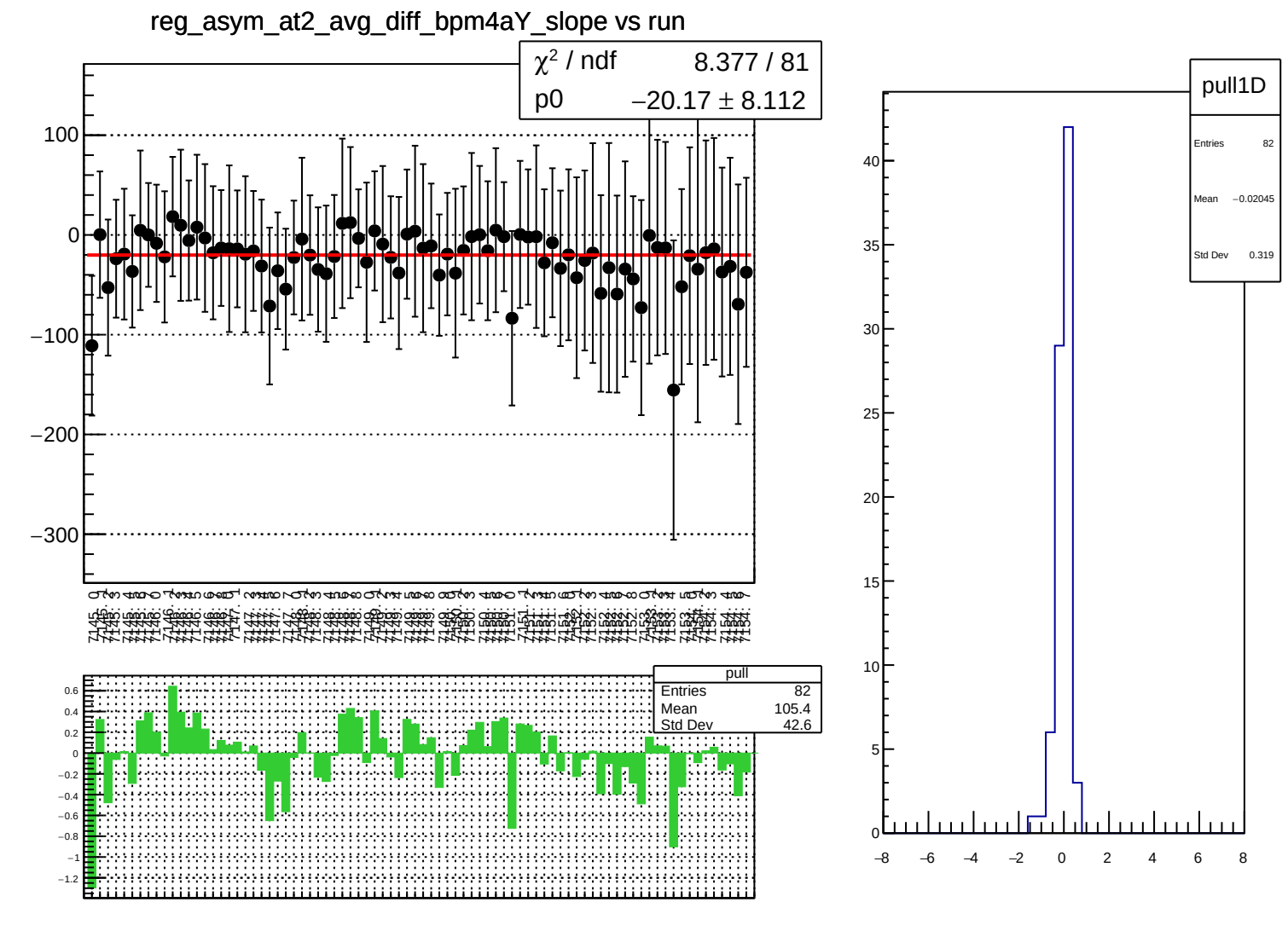

pull1D
Entries 82
Mean 0.01477
Std Dev 0.9528

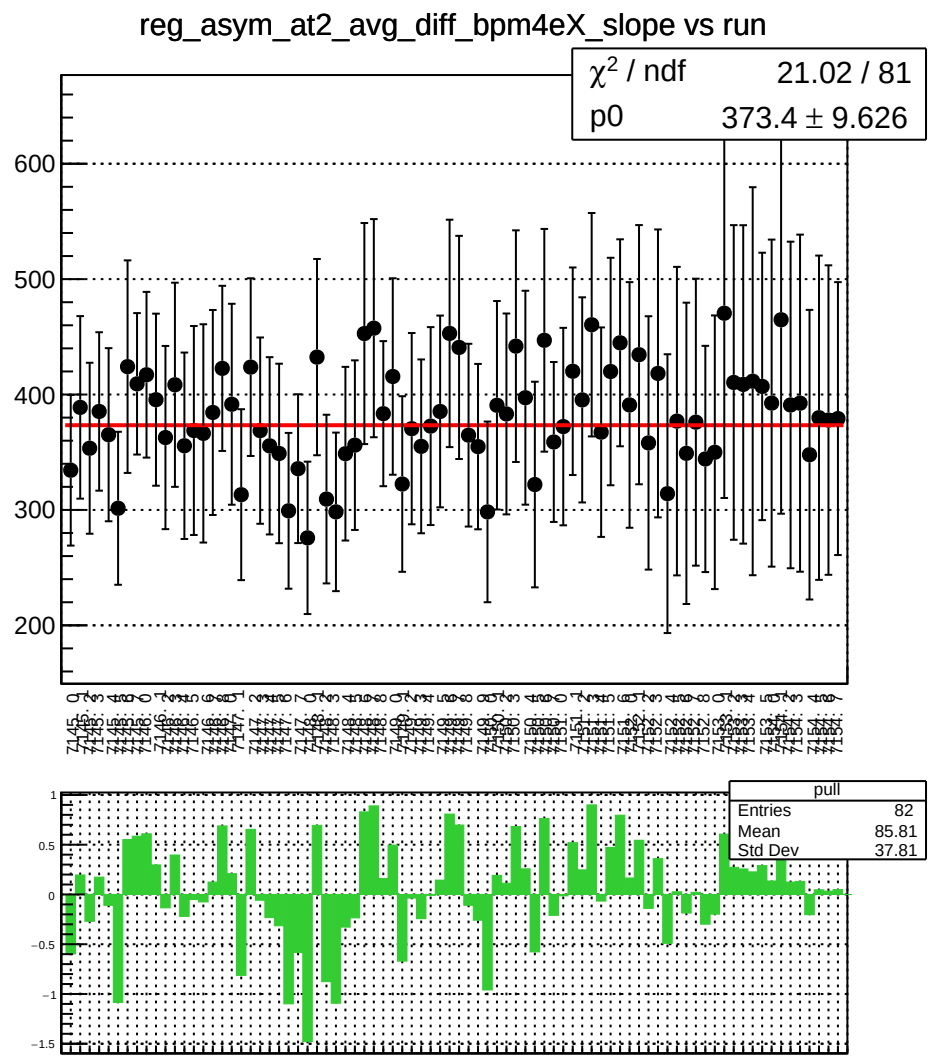

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.17 / 81
p0 1.598 ± 1.56
pull
Entries 82
Mean 63.77
Std Dev 54.72
pull1D
Entries 82
Mean −0.02063
Std Dev 1.088

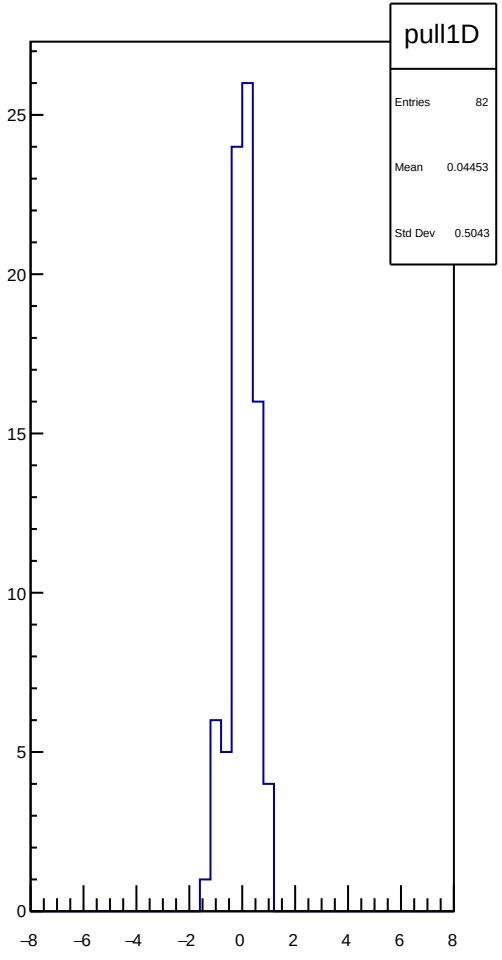

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.8 / 81
p0 1.863 ± 0.0686
pull
Entries 82
Mean 167.8
Std Dev 129.2
pull1D
Entries 82
Mean −0.01753
Std Dev 0.9485

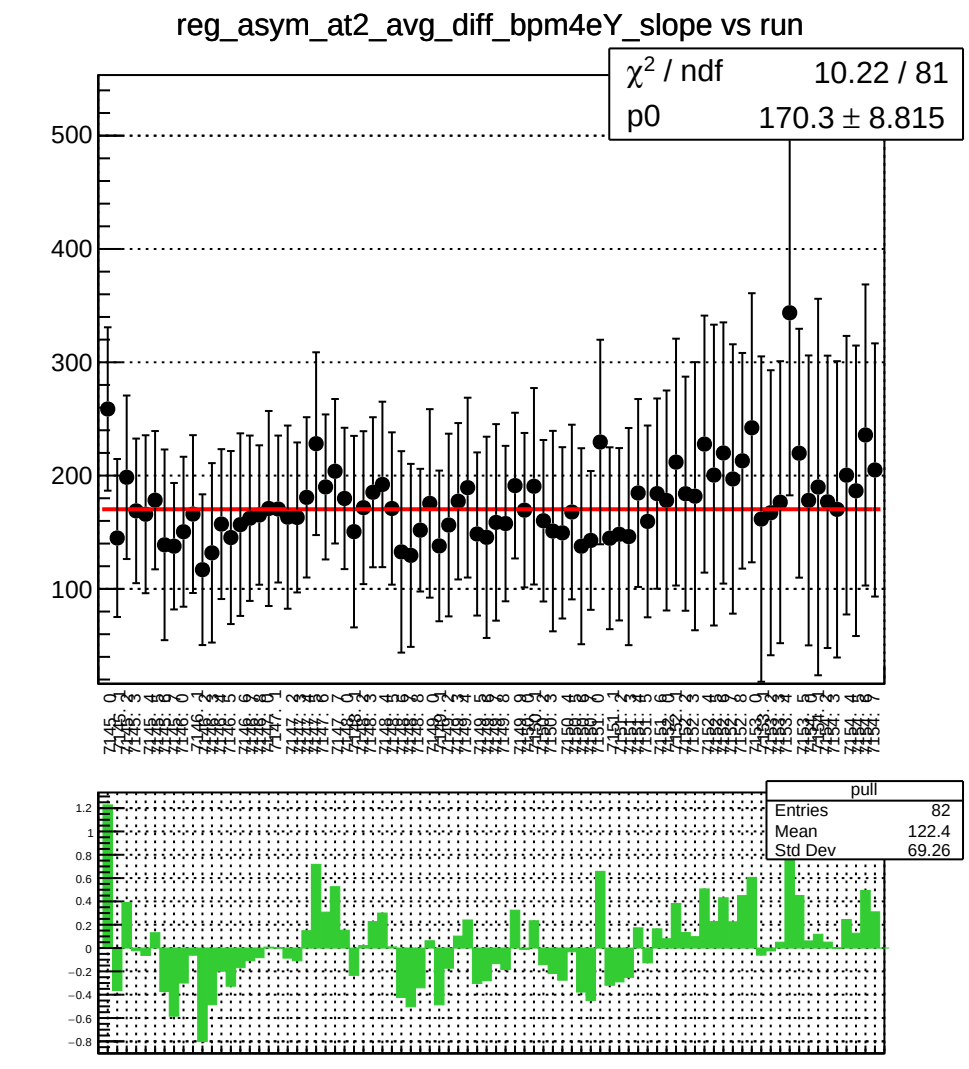

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 20.48 / 81
p0 −351.8 ± 9.4
−200
−300
−400
−500
−600
pull
Entries 82
Mean 79.38
Std Dev 30.25
1.5
1
0.5
0
−0.5
−1

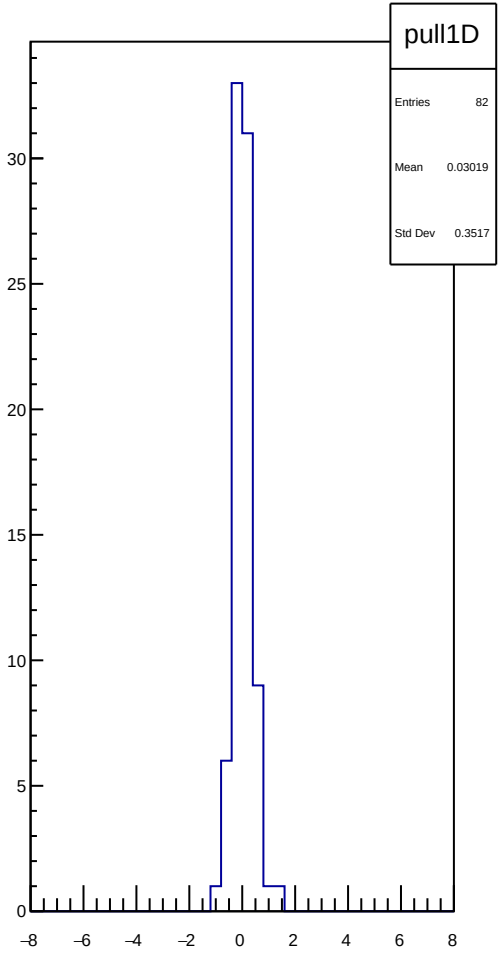

pull1D
Entries 82
Mean −0.04019
Std Dev 0.4981
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

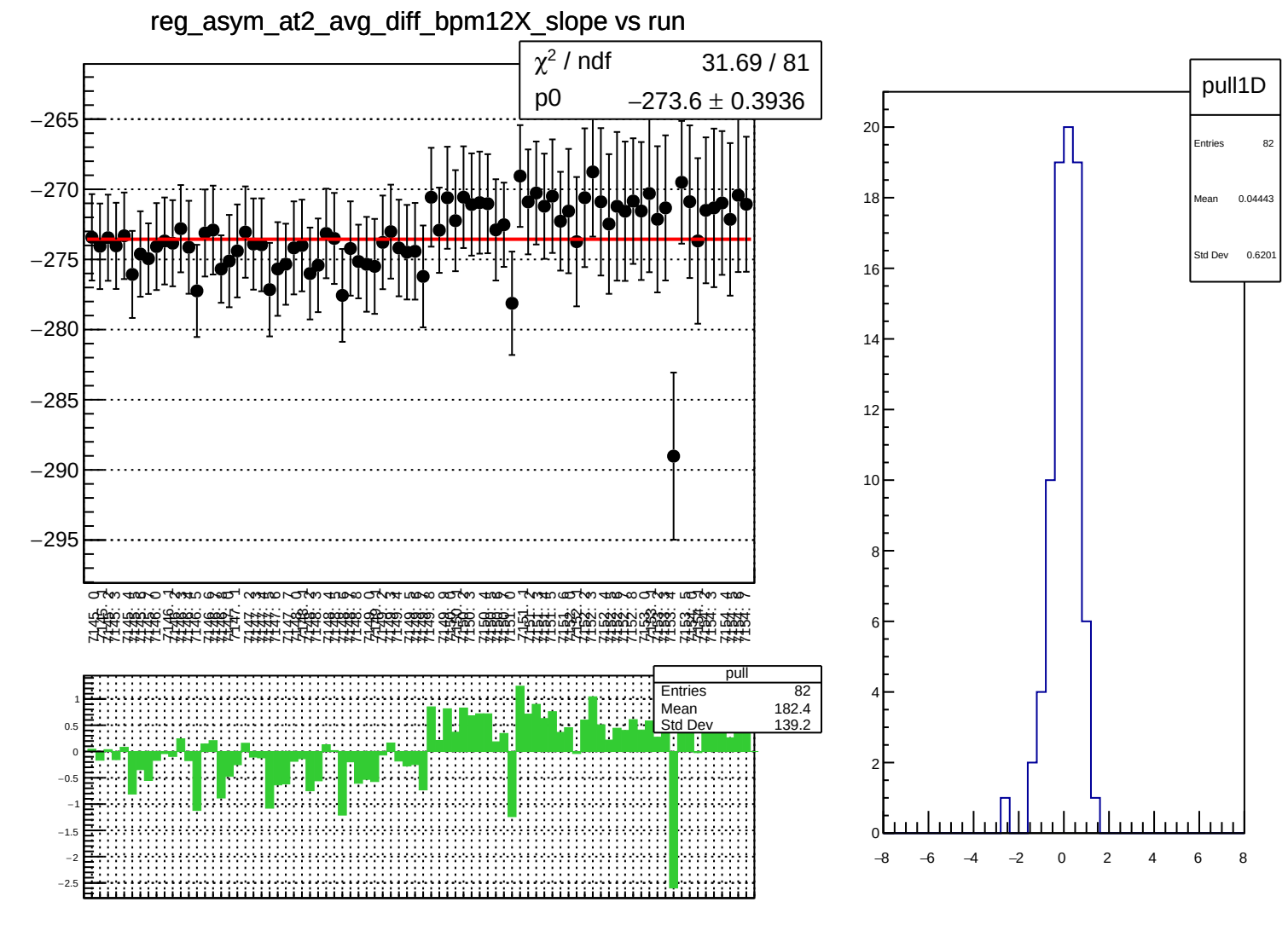

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.377 / 81
p0 −20.17 ± 8.112
pull
Entries 82
Mean 105.4
Std Dev 42.6
pull1D
Entries 82
Mean −0.02045
Std Dev 0.319

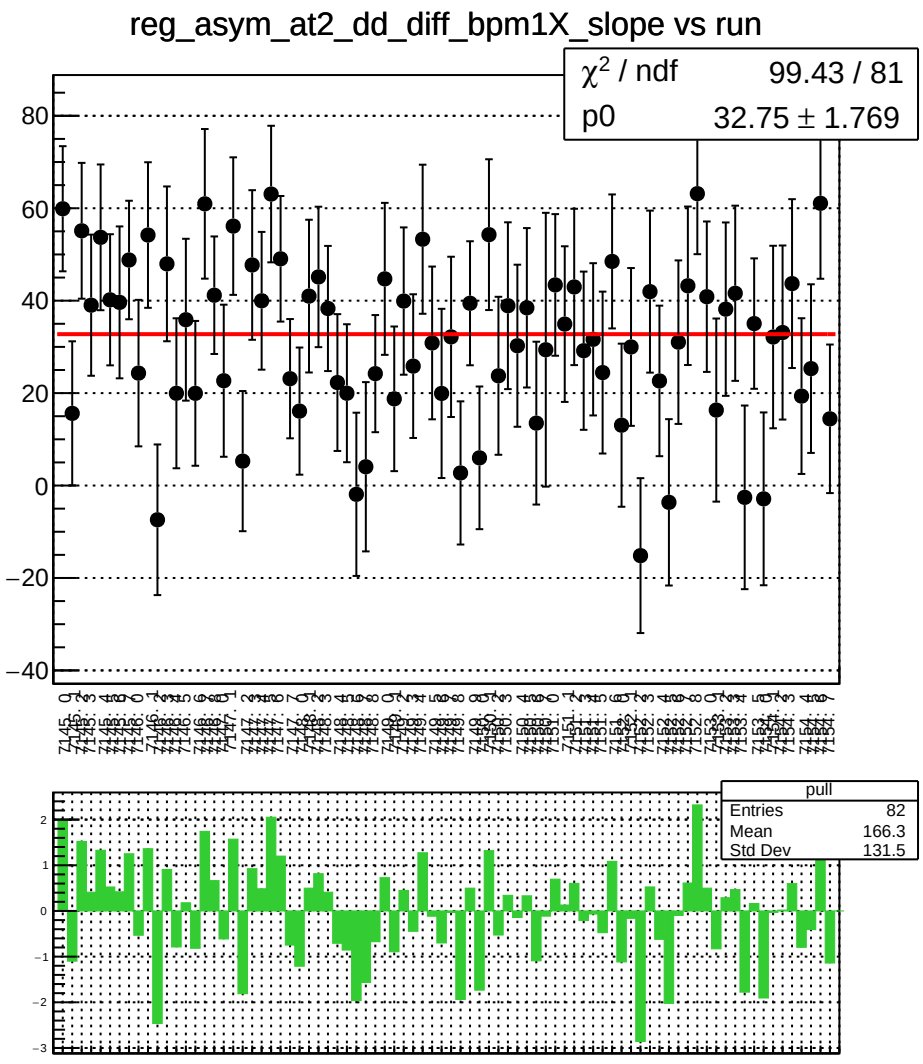

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 21.02 / 81
p0 373.4 ± 9.626
600
500
400
300
200
pull
Entries 82
Mean 85.81
Std Dev 37.81
1
0.5
0
−0.5
−1
−1.5

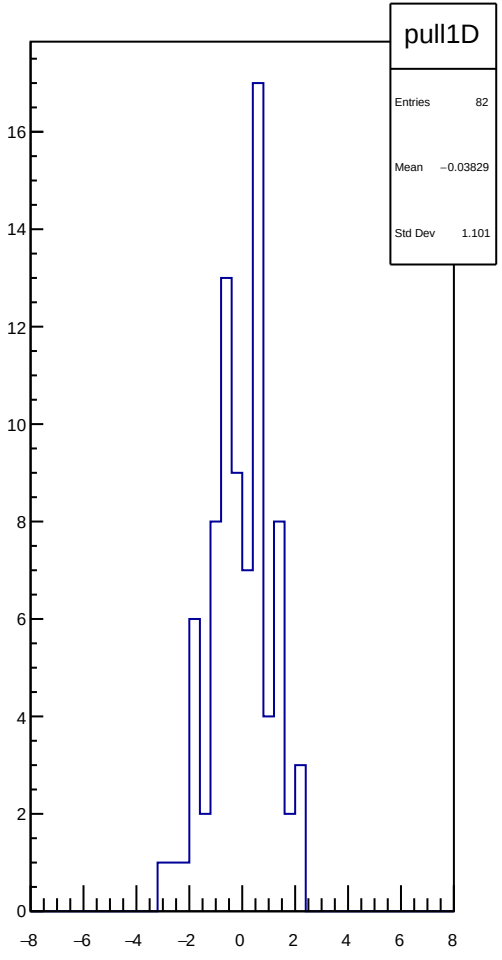

pull1D
Entries 82
Mean 0.04453
Std Dev 0.5043
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

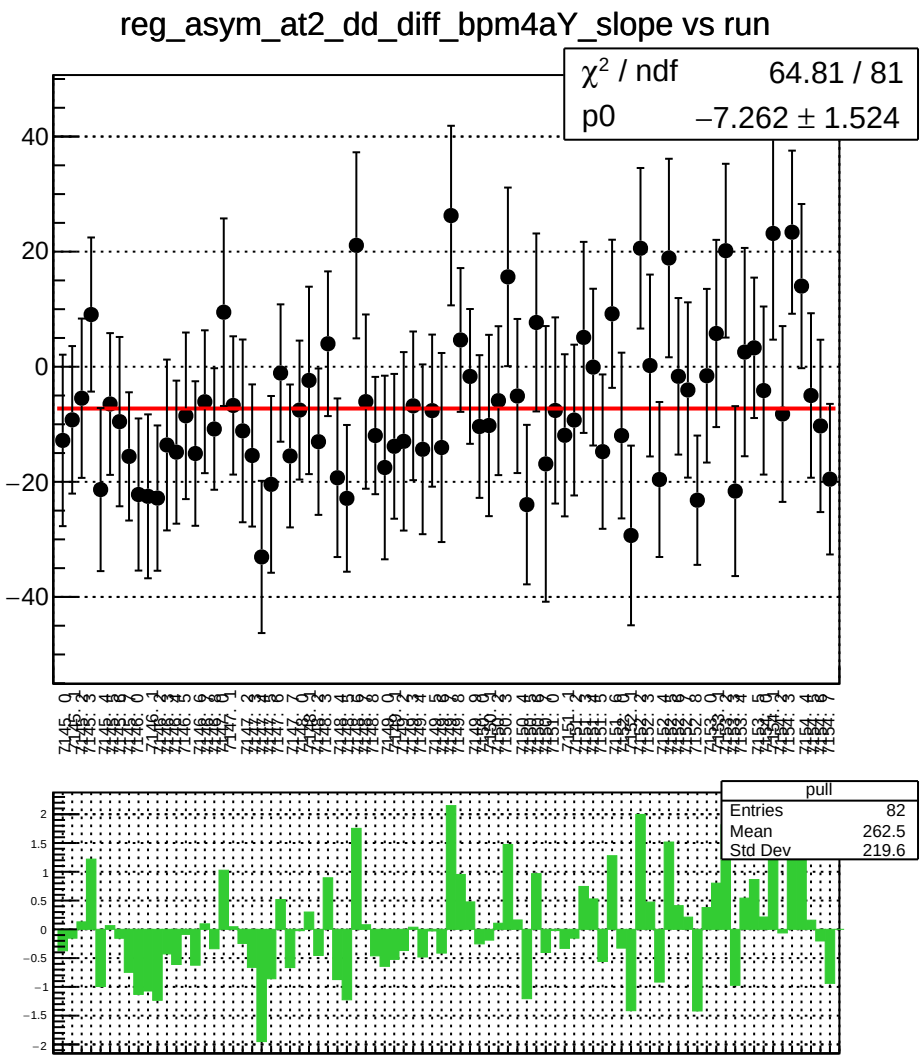

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 81
p0 170.3 ± 8.815
pull
Entries 82
Mean 122.4
Std Dev 69.26

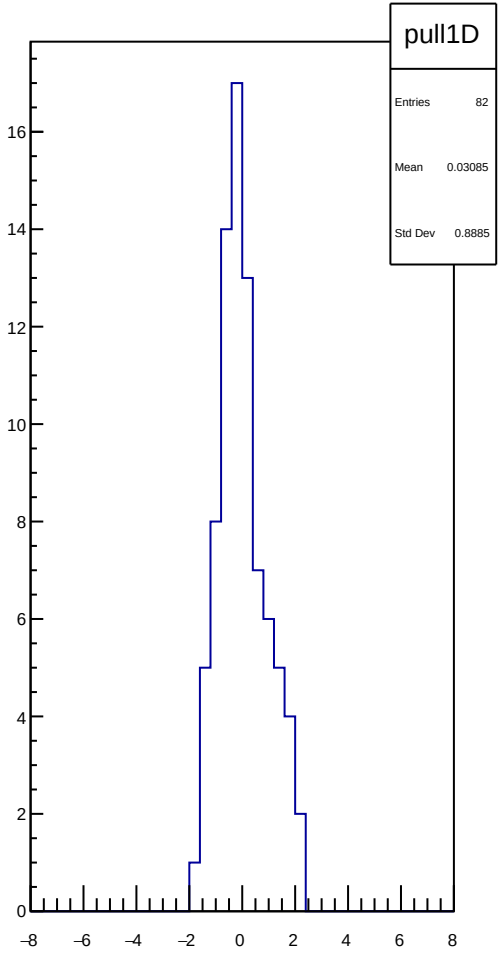

pull1D
Entries 82
Mean 0.03019
Std Dev 0.3517

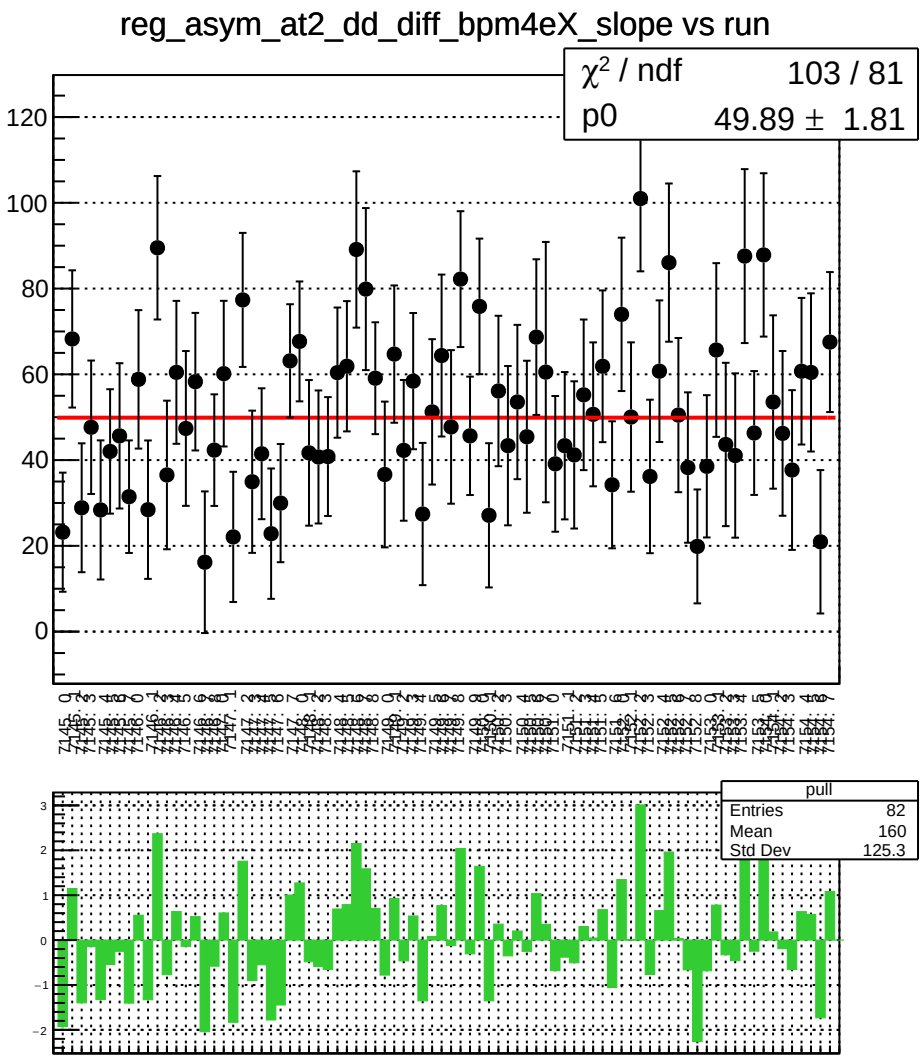

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 31.69 / 81
p0 −273.6 ± 0.3936
pull
Entries 82
Mean 182.4
Std Dev 139.2
pull1D
Entries 82
Mean 0.04443
Std Dev 0.6201

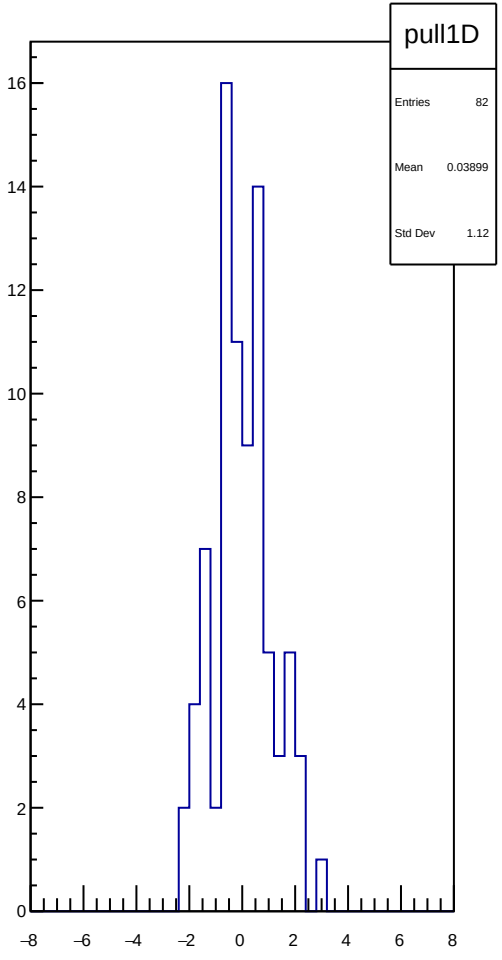

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 99.43 / 81
p0 32.75 ± 1.769
pull
Entries 82
Mean 166.3
Std Dev 131.5

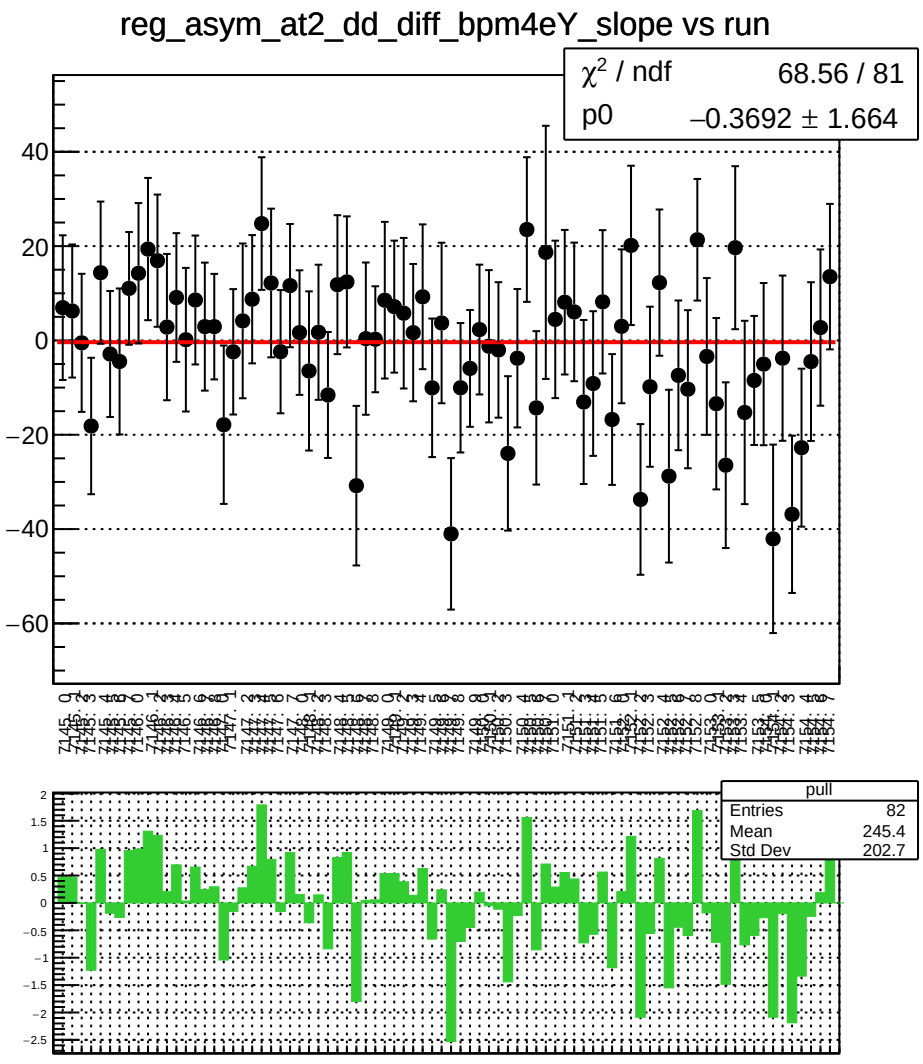

pull1D
Entries 82
Mean −0.03829
Std Dev 1.101

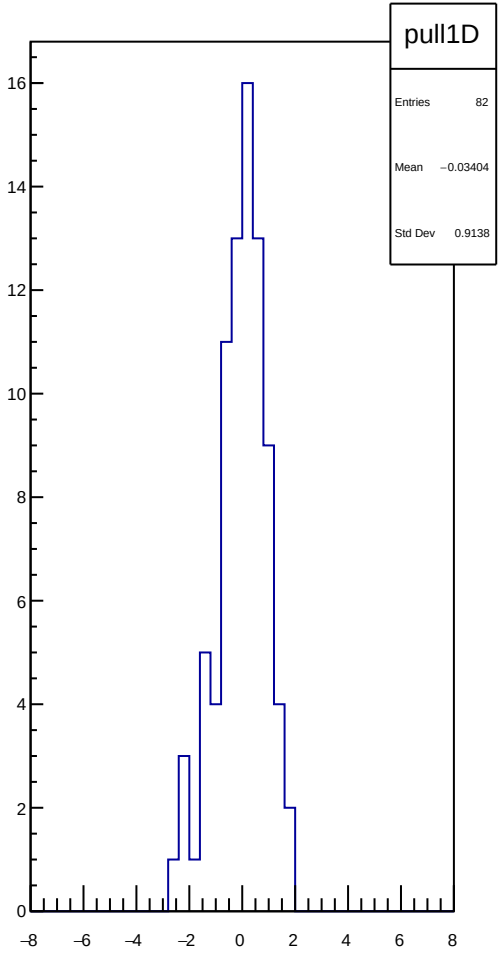

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.81 / 81
p0 −7.262 ± 1.524
pull
Entries 82
Mean 262.5
Std Dev 219.6

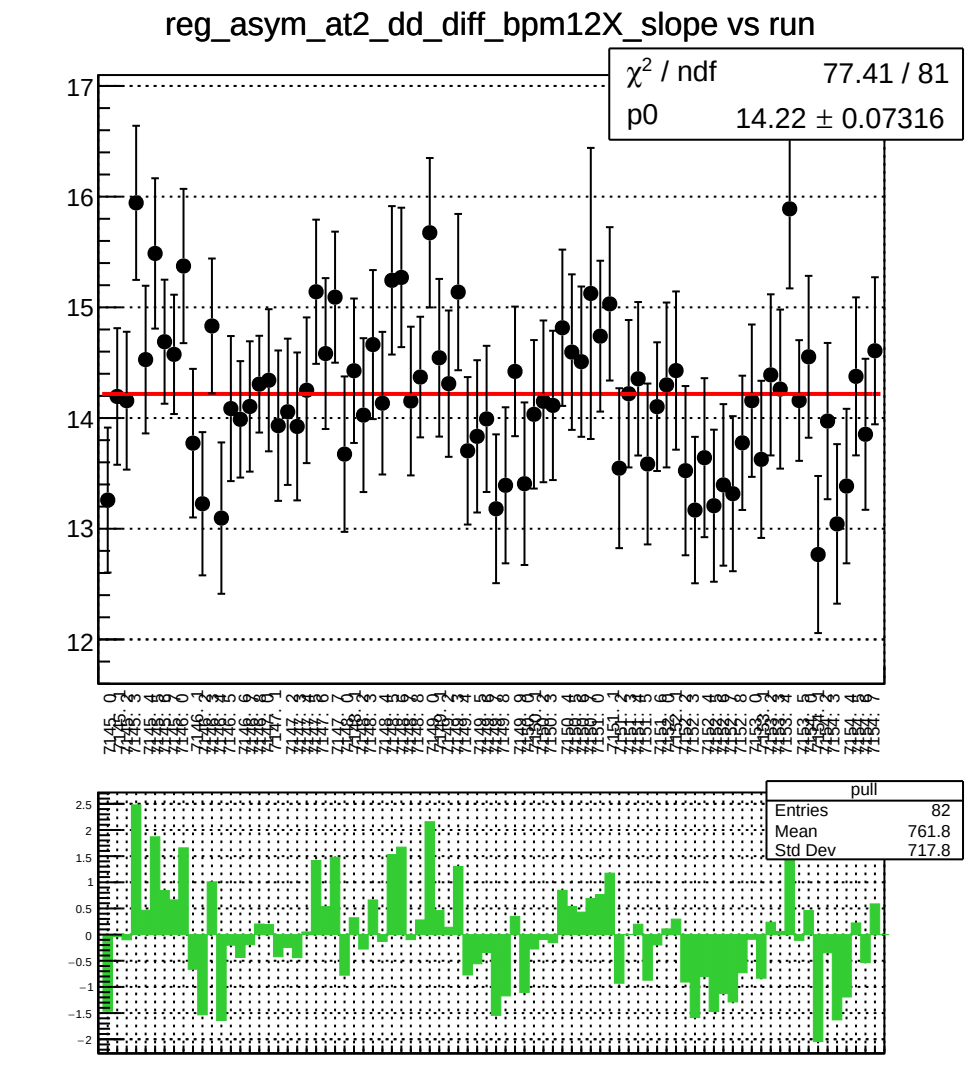

pull1D
Entries 82
Mean 0.03085
Std Dev 0.8885

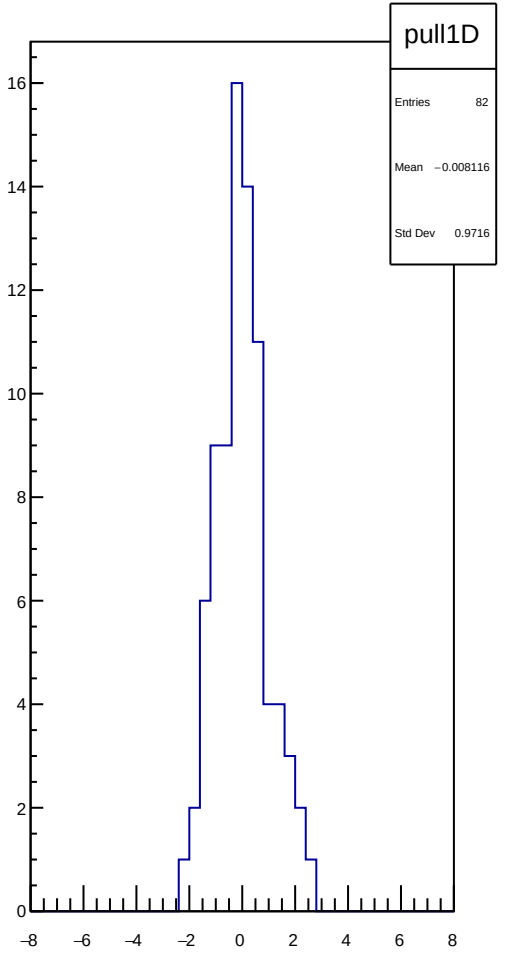

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 103 / 81
p0 49.89 ± 1.81
pull
Entries 82
Mean 160
Std Dev 125.3

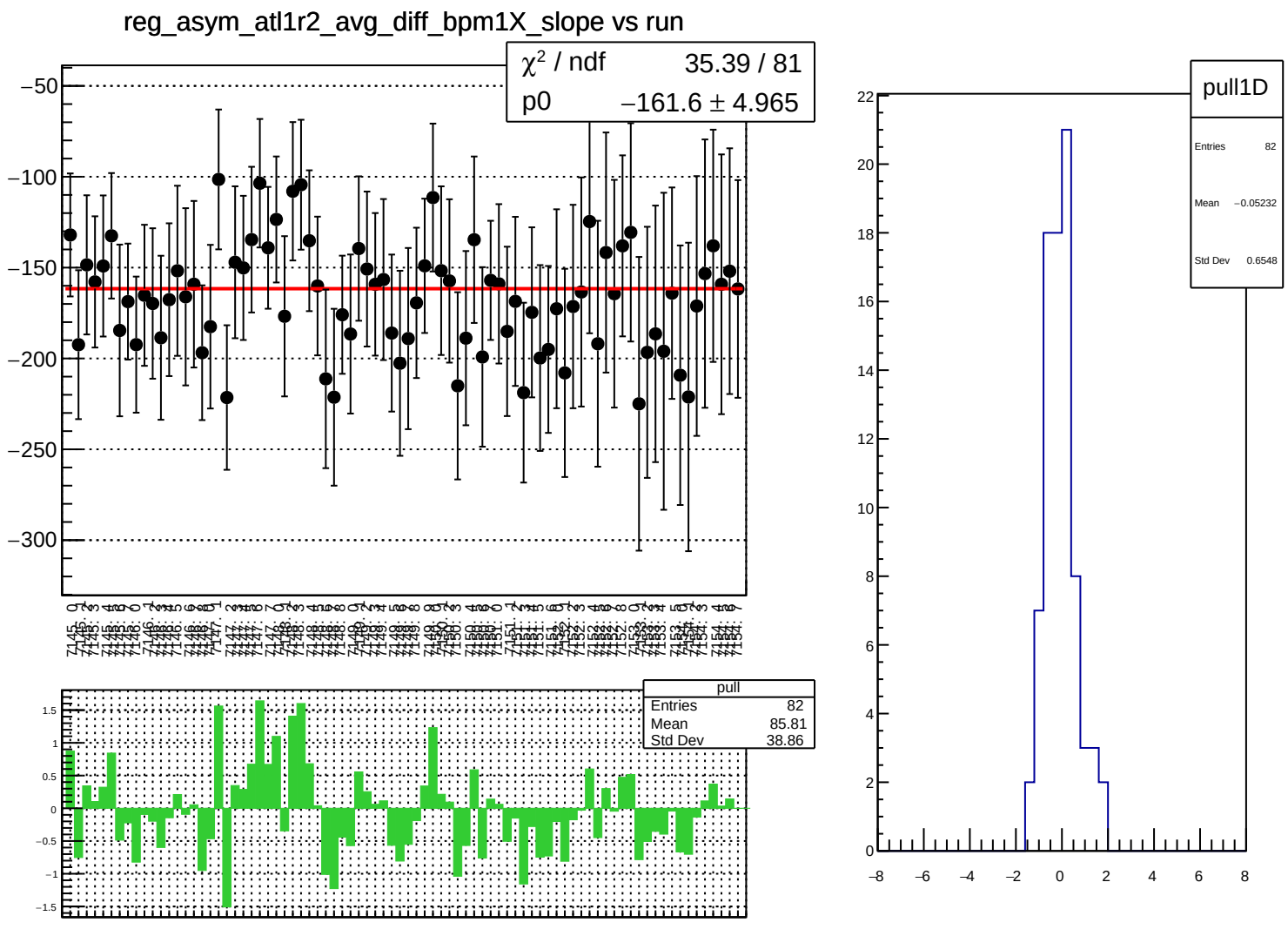

pull1D
Entries 82
Mean 0.03899
Std Dev 1.12

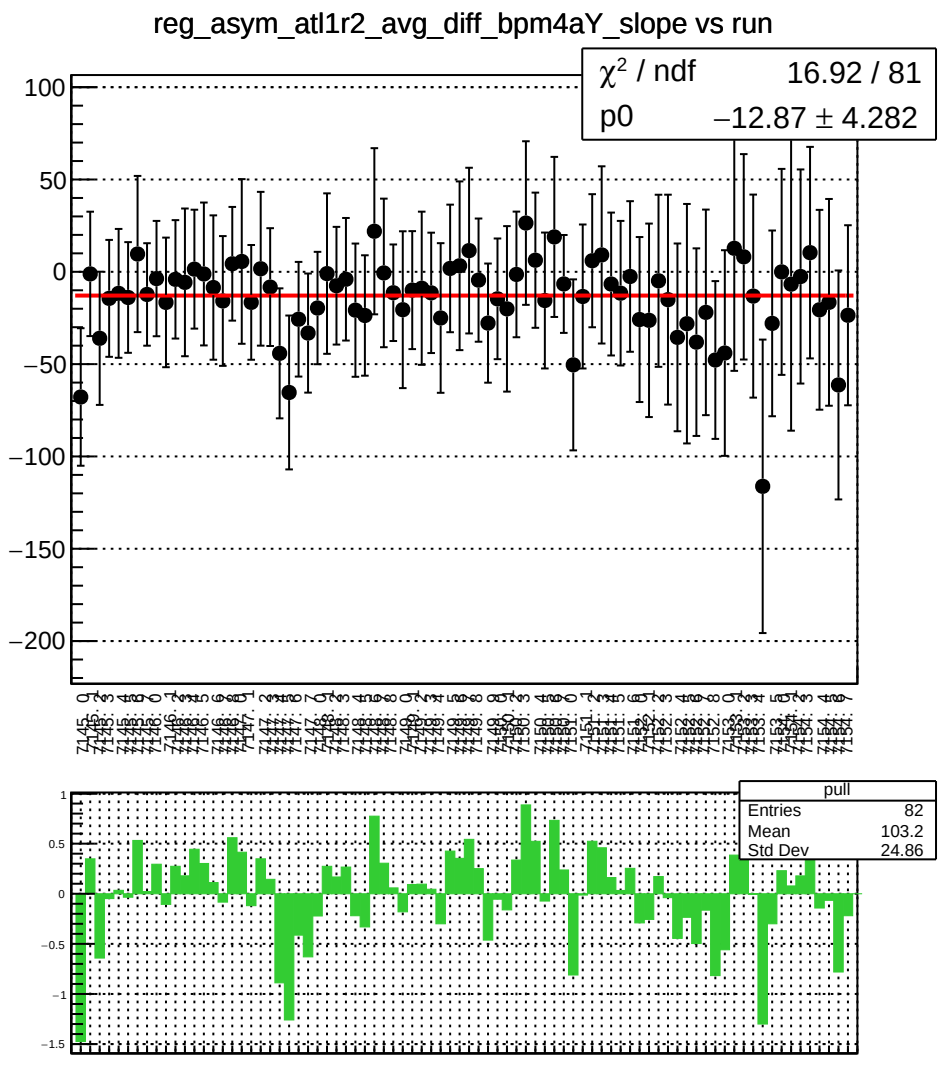

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.56 / 81
p0 −0.3692 ± 1.664
pull
Entries 82
Mean 245.4
Std Dev 202.7

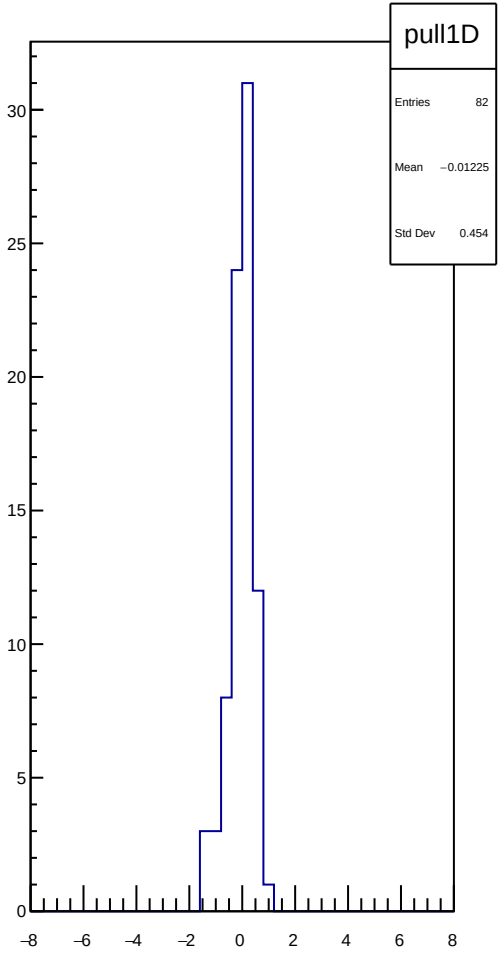

pull1D
Entries 82
Mean −0.03404
Std Dev 0.9138

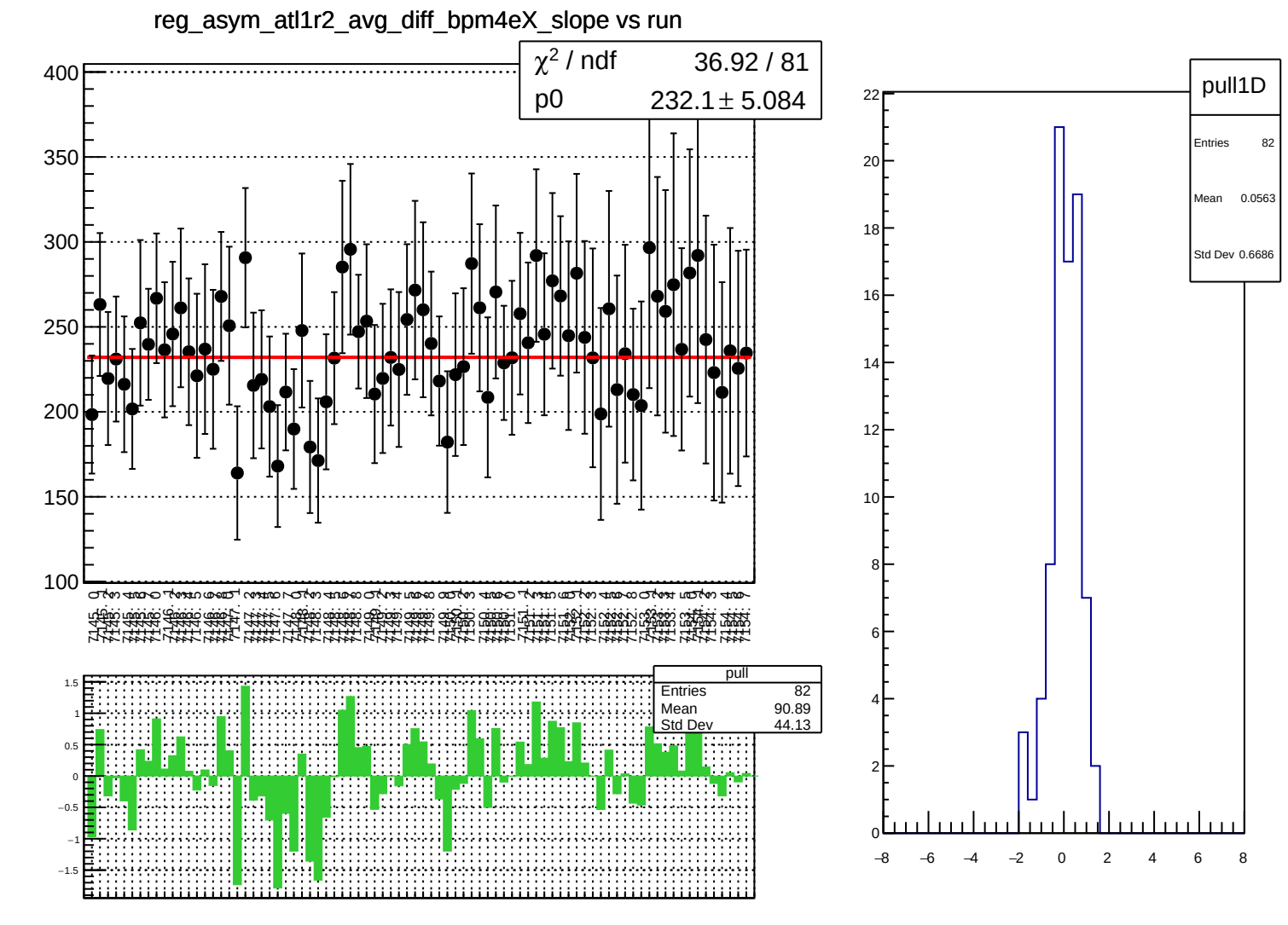

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 77.41 / 81
p0 14.22 ± 0.07316
pull
Entries 82
Mean 761.8
Std Dev 717.8

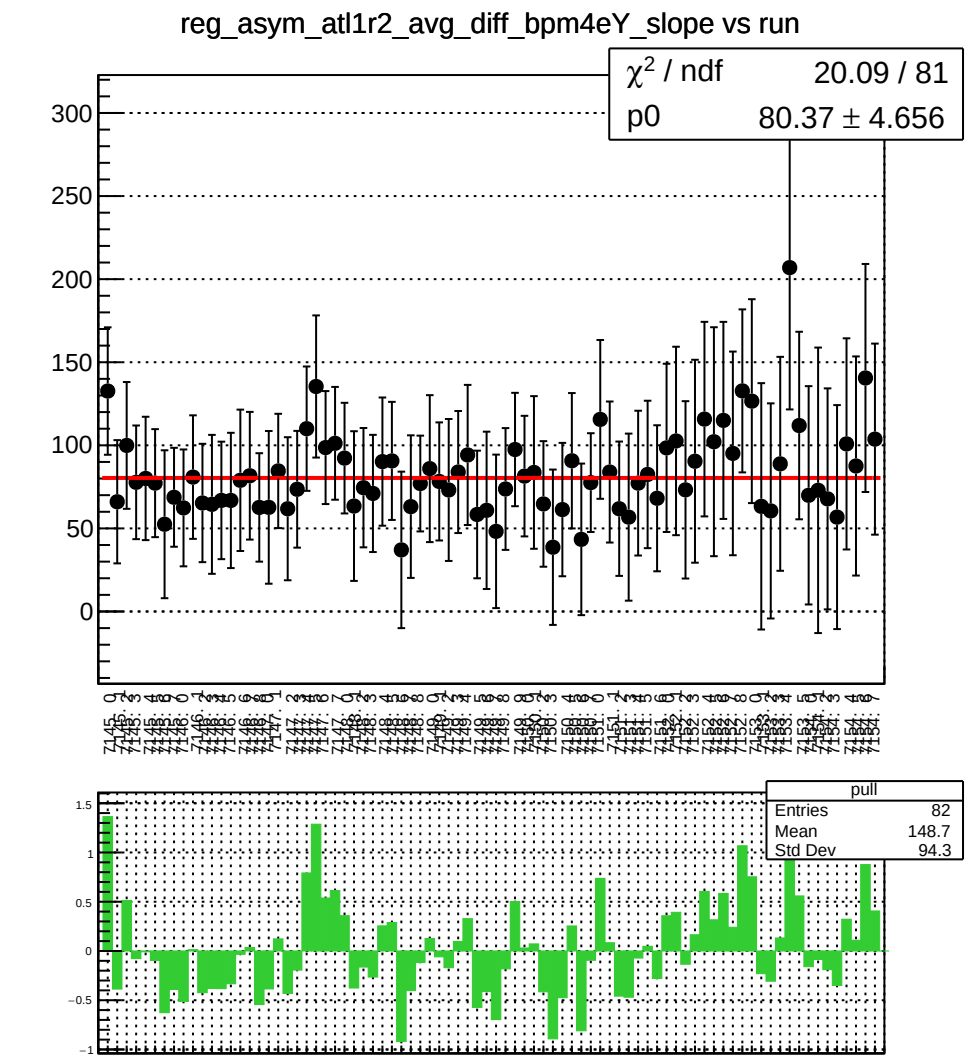

pull1D
Entries 82
Mean −0.008116
Std Dev 0.9716

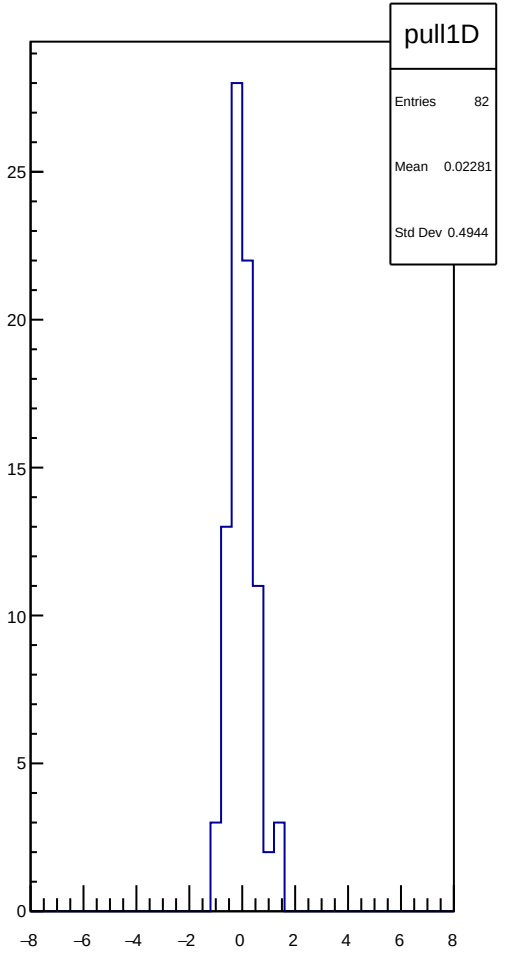

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 35.39 / 81
p0 −161.6 ± 4.965
pull
Entries 82
Mean 85.81
Std Dev 38.86
pull1D
Entries 82
Mean −0.05232
Std Dev 0.6548

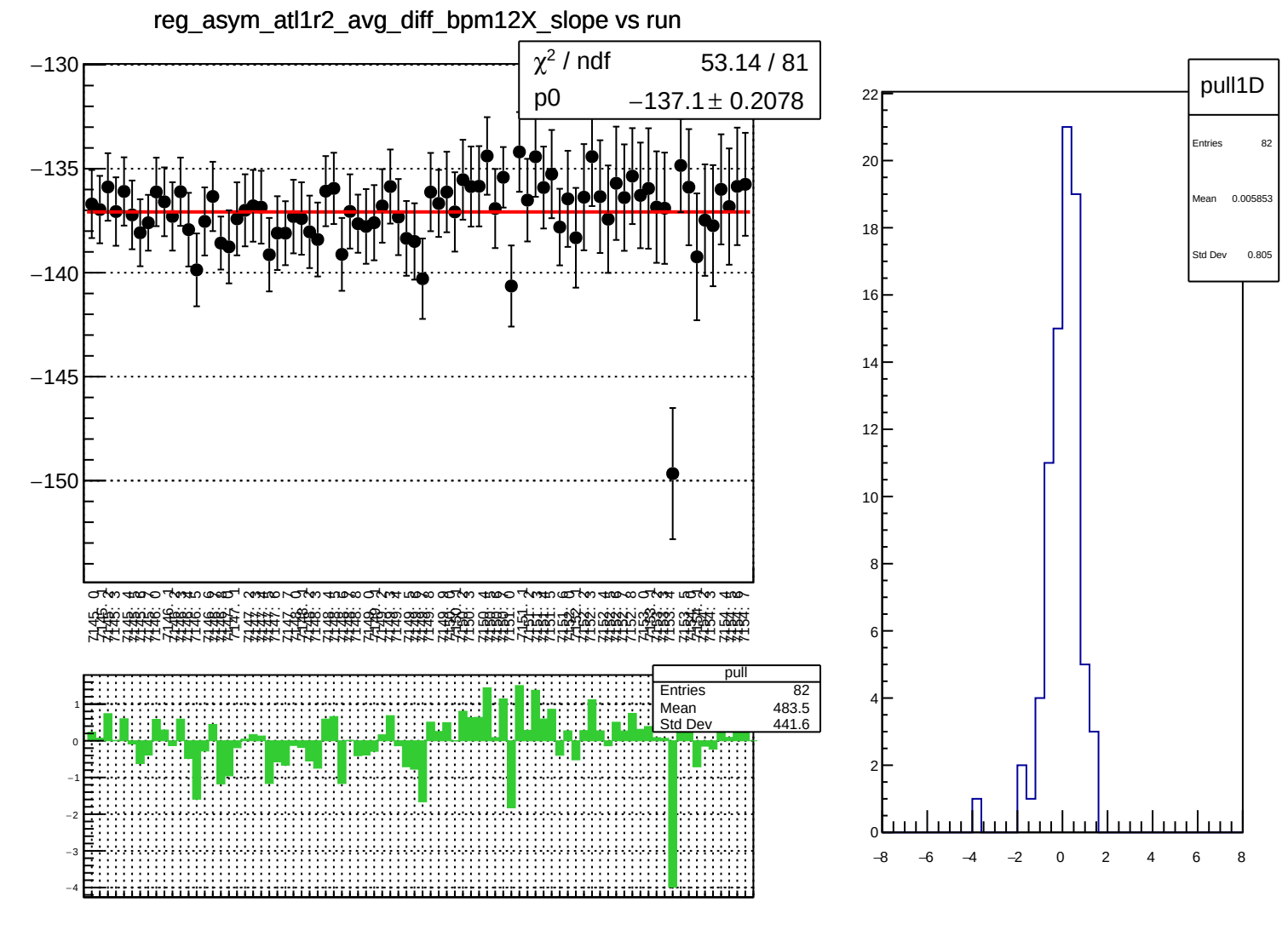

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.92 / 81
p0 −12.87 ± 4.282
pull
Entries 82
Mean 103.2
Std Dev 24.86

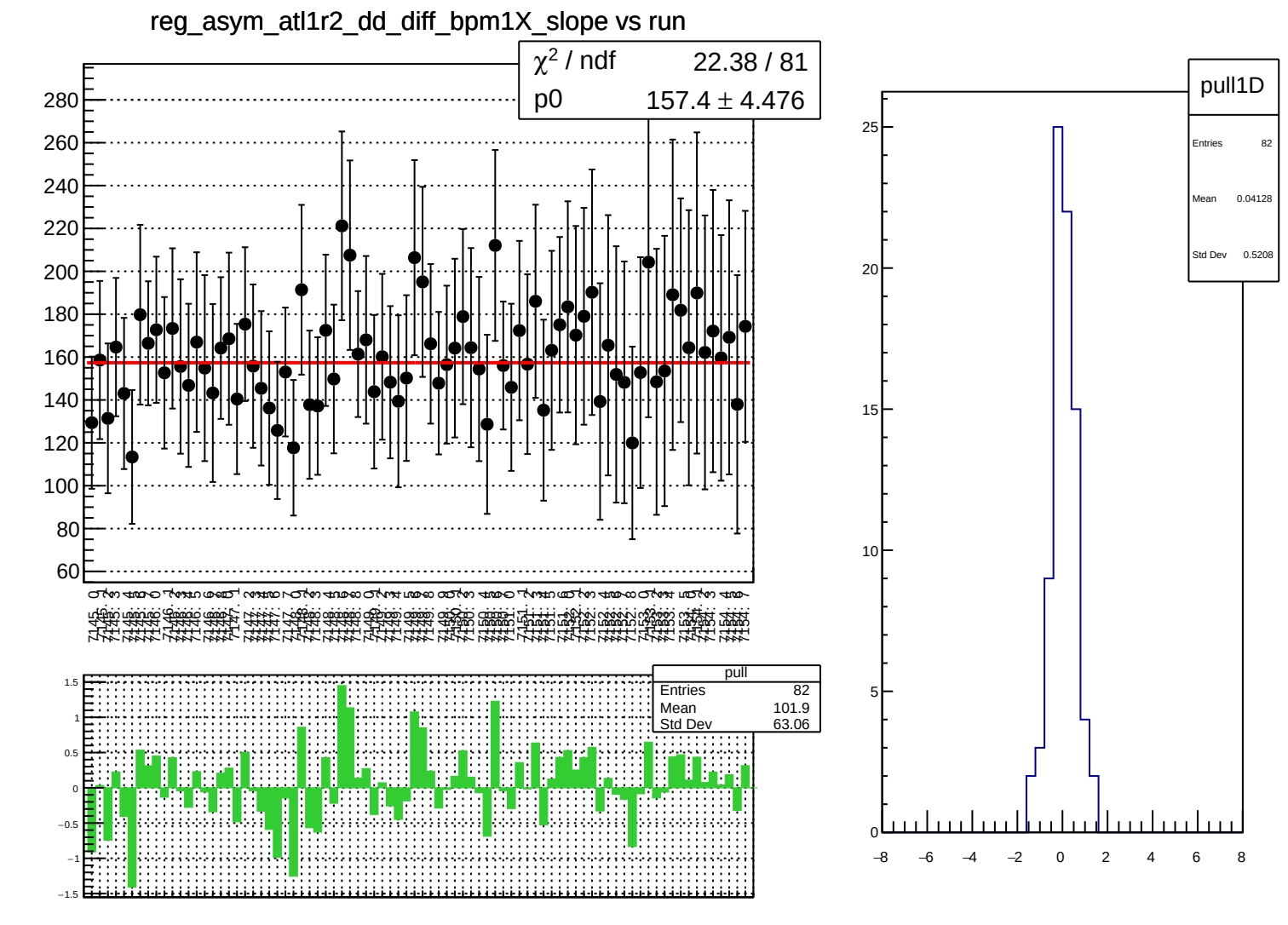

pull1D
Entries 82
Mean −0.01225
Std Dev 0.454

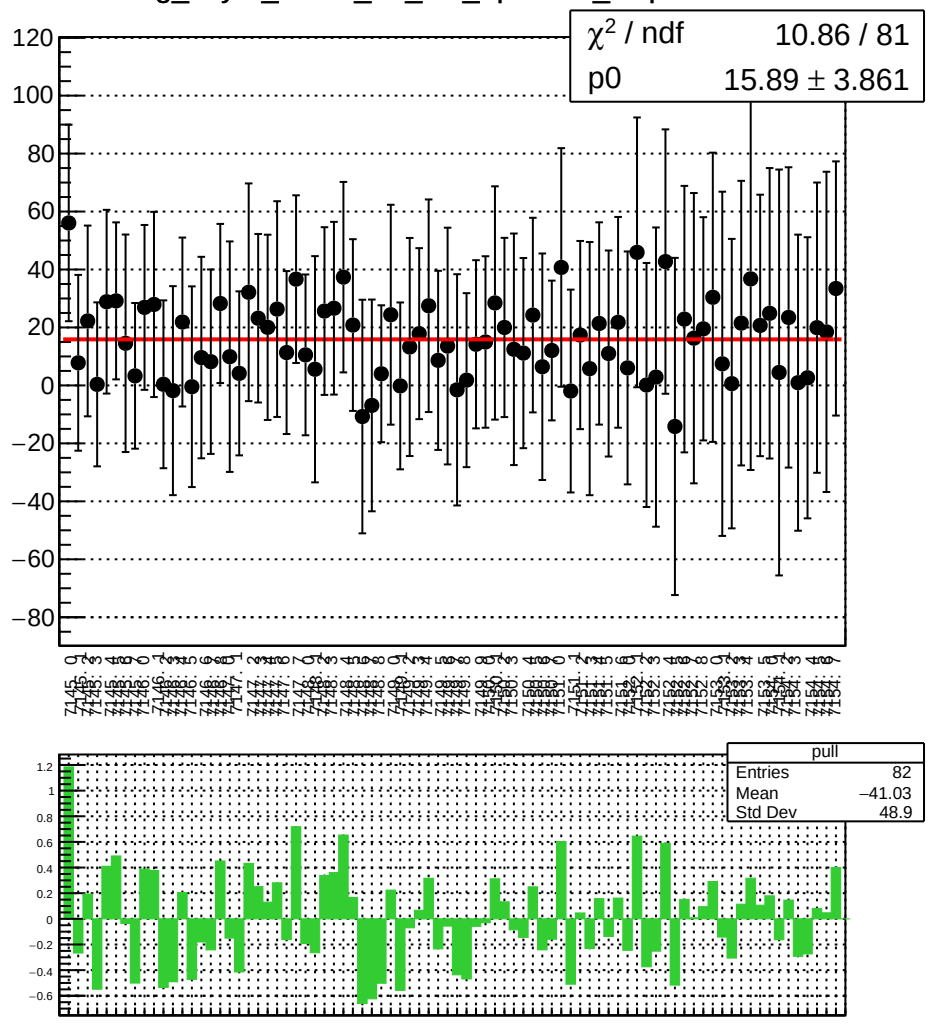

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.92 / 81
p0 232.1 ± 5.084
pull
Entries 82
Mean 90.89
Std Dev 44.13
pull1D
Entries 82
Mean 0.0563
Std Dev 0.6686

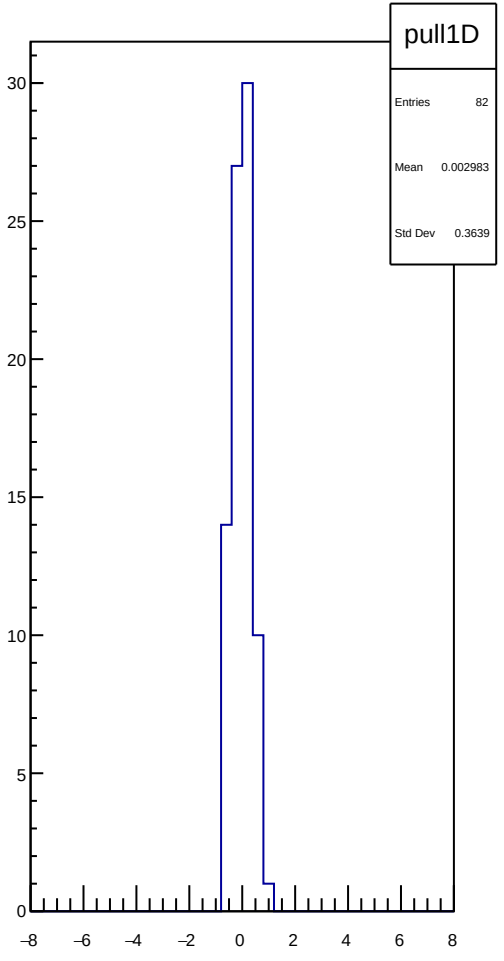

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.09 / 81
p0 80.37 ± 4.656
pull
Entries 82
Mean 148.7
Std Dev 94.3

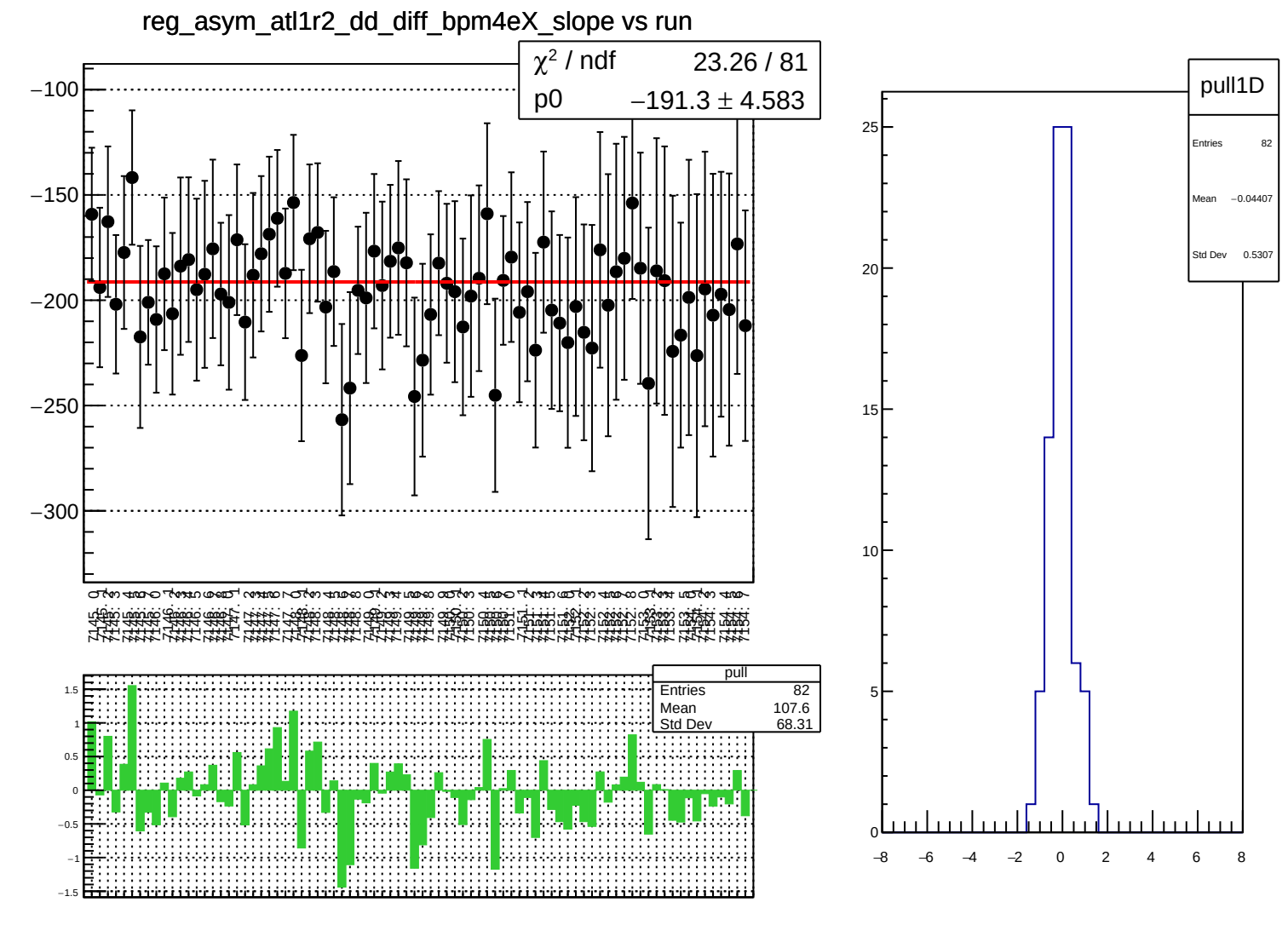

pull1D
Entries 82
Mean 0.02281
Std Dev 0.4944

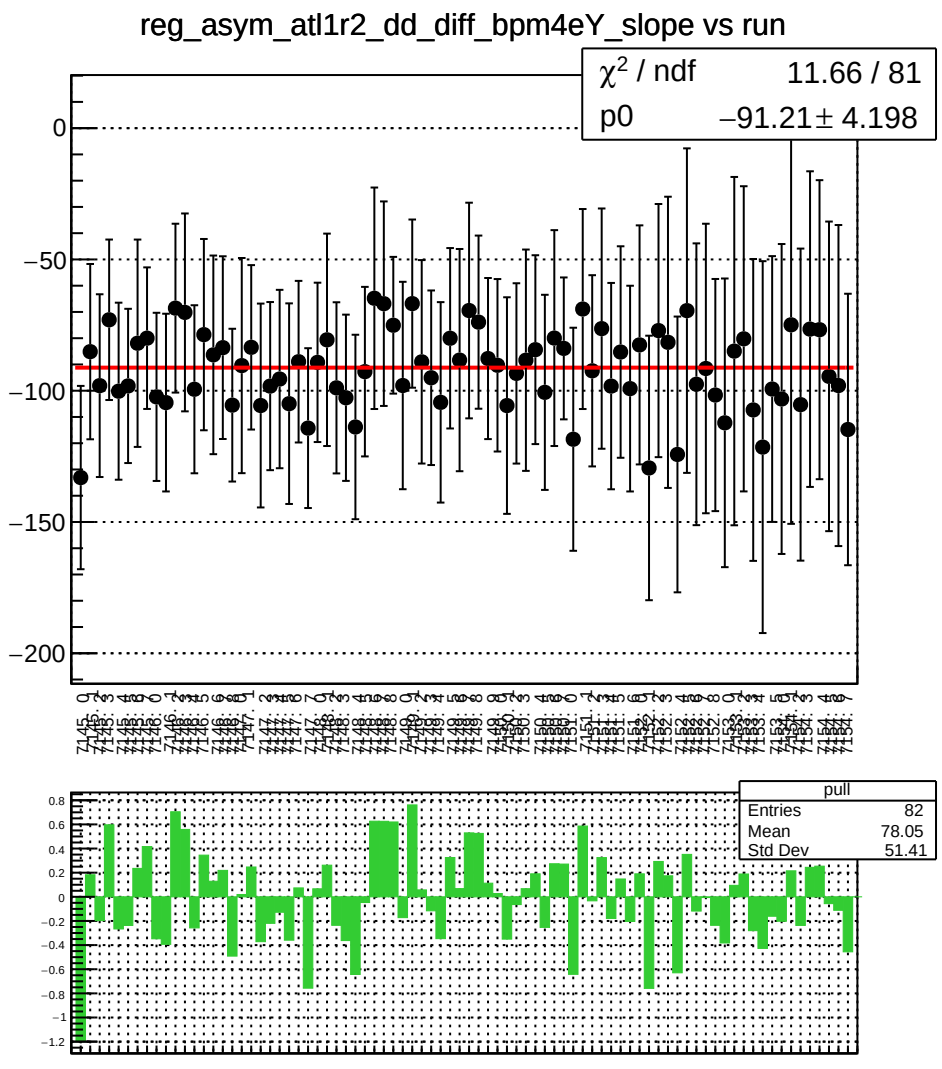

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 53.14 / 81
p0 −137.1 ± 0.2078
pull
Entries 82
Mean 483.5
Std Dev 441.6
pull1D
Entries 82
Mean 0.005853
Std Dev 0.805

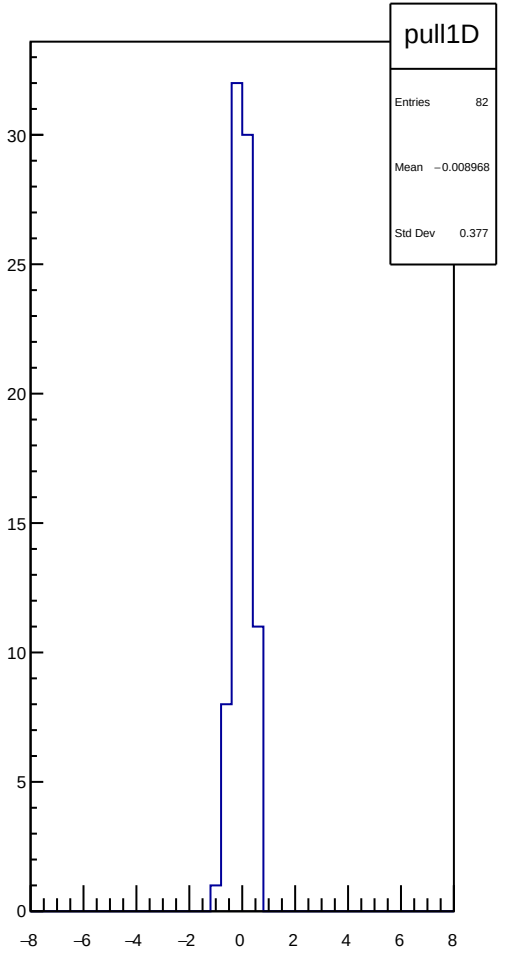

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 22.38 / 81
p0 157.4 ± 4.476
pull
Entries 82
Mean 101.9
Std Dev 63.06
pull1D
Entries 82
Mean 0.04128
Std Dev 0.5208

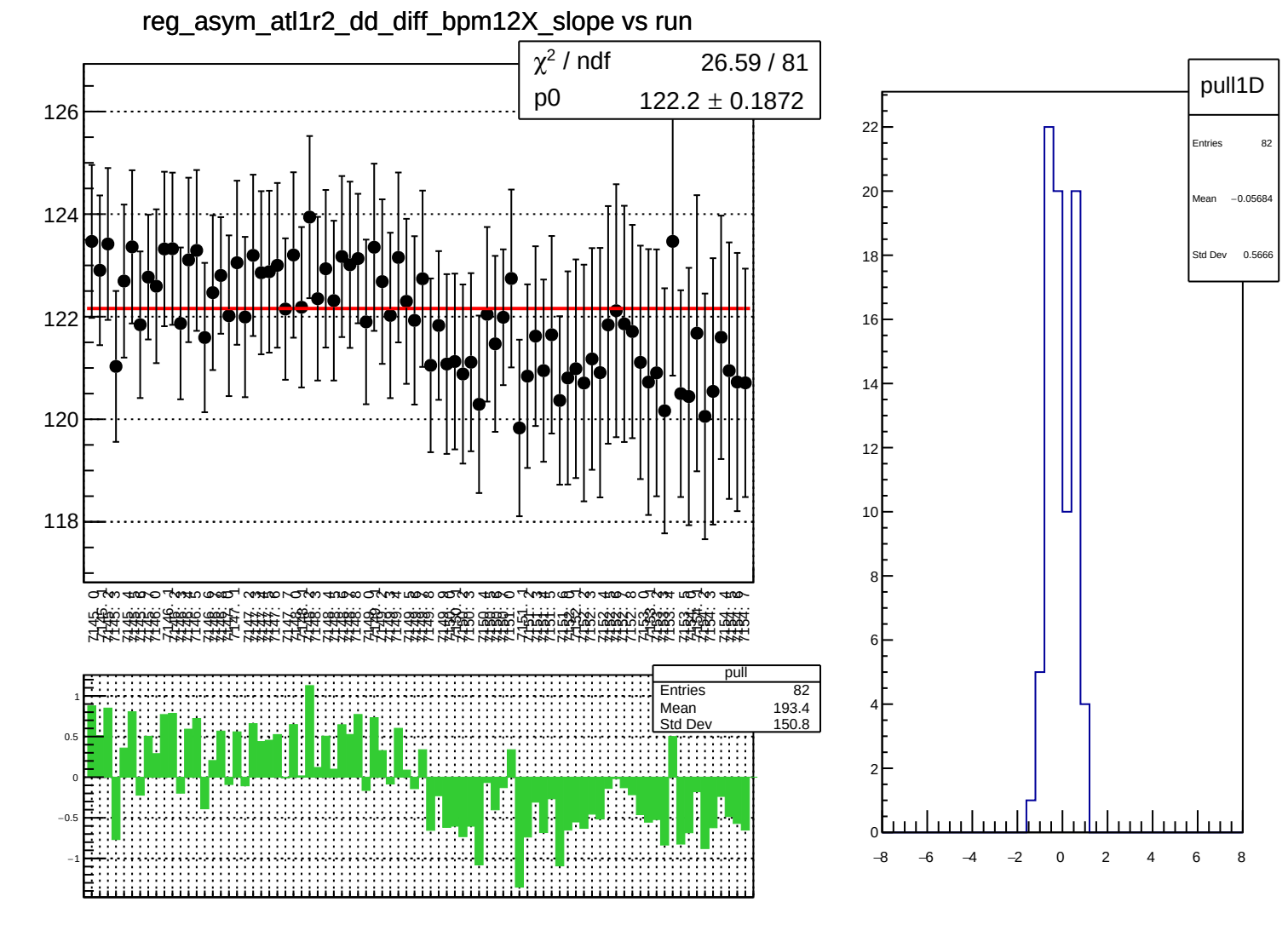

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.86 / 81
p0 15.89 ± 3.861
pull
Entries 82
Mean −41.03
Std Dev 48.9

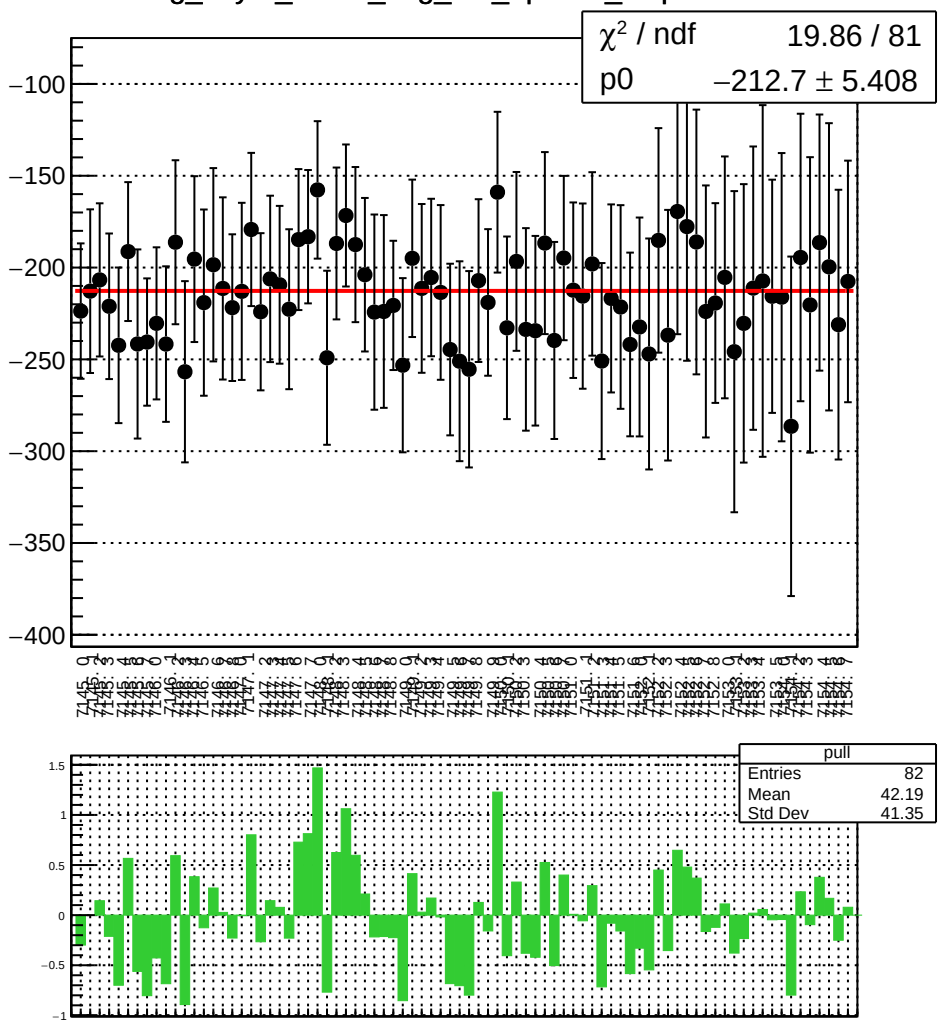

pull1D
Entries 82
Mean 0.002983
Std Dev 0.3639

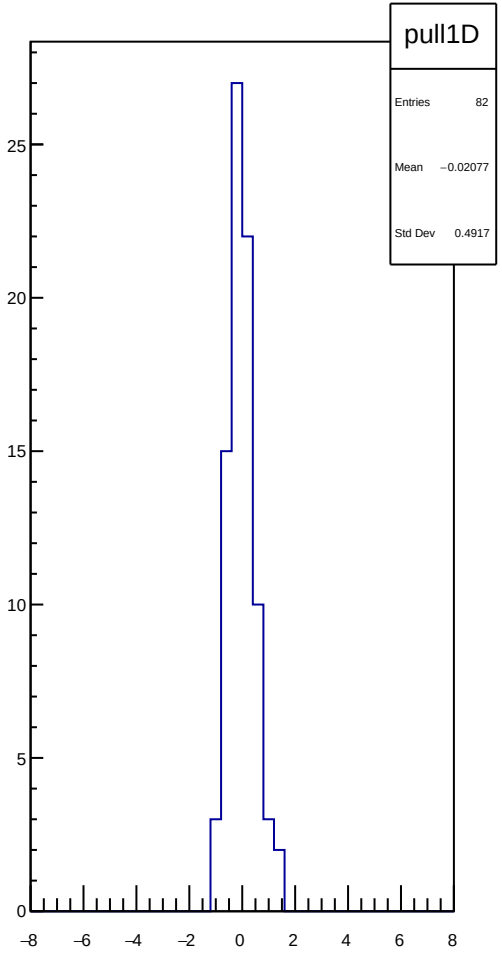

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.26 / 81
p0 −191.3 ± 4.583
−100
−150
−200
−250
−300
pull
Entries 82
Mean 107.6
Std Dev 68.31
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 82
Mean −0.04407
Std Dev 0.5307
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

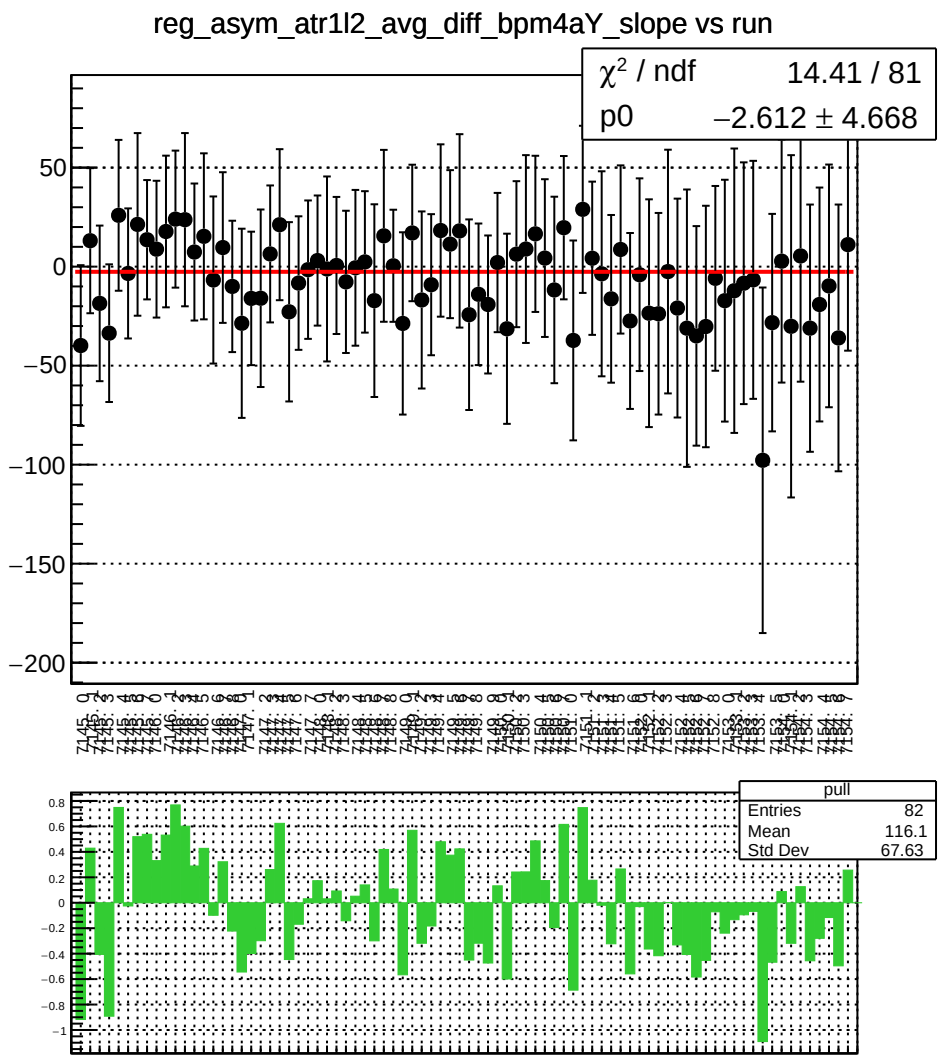

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.66 / 81
p0 −91.21 ± 4.198
pull
Entries 82
Mean 78.05
Std Dev 51.41

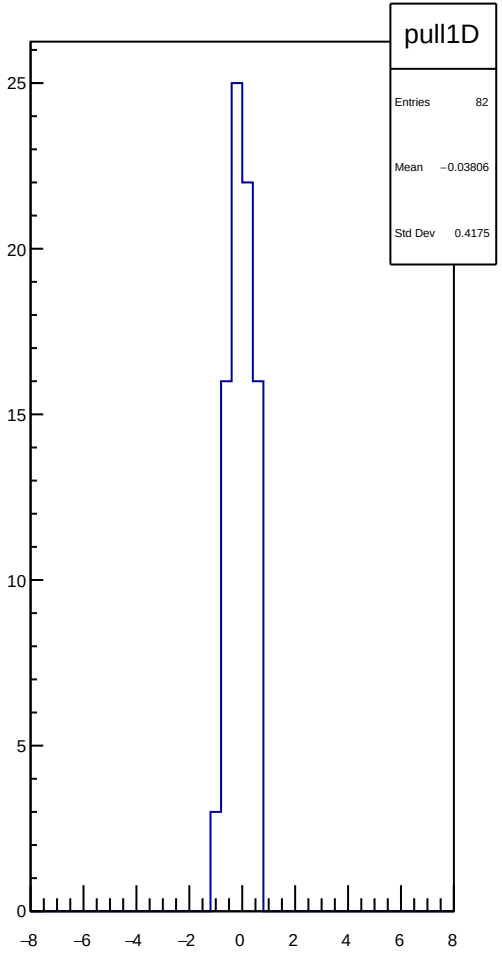

pull1D
Entries 82
Mean −0.008968
Std Dev 0.377

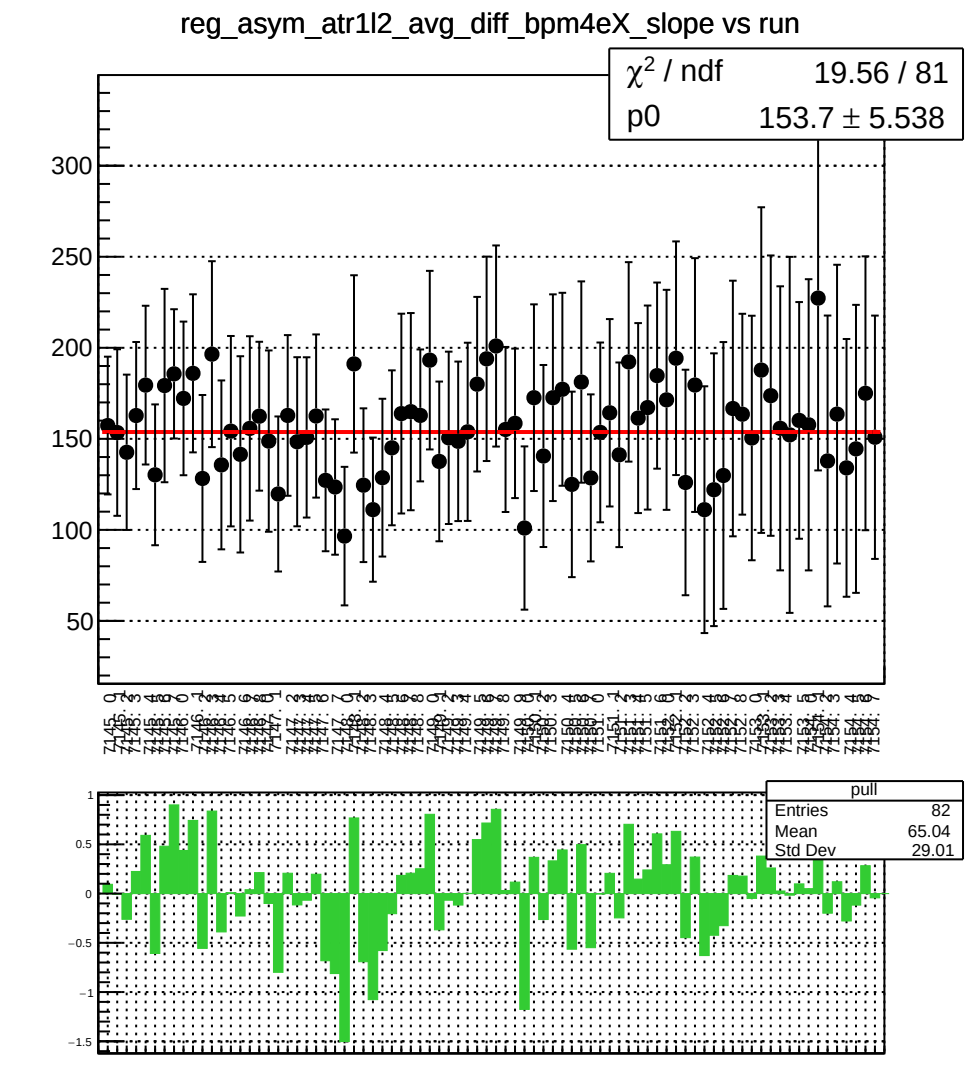

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 26.59 / 81
p0 122.2 ± 0.1872
126
124
122
120
118
pull
Entries 82
Mean 193.4
Std Dev 150.8
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.05684
Std Dev 0.5666
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

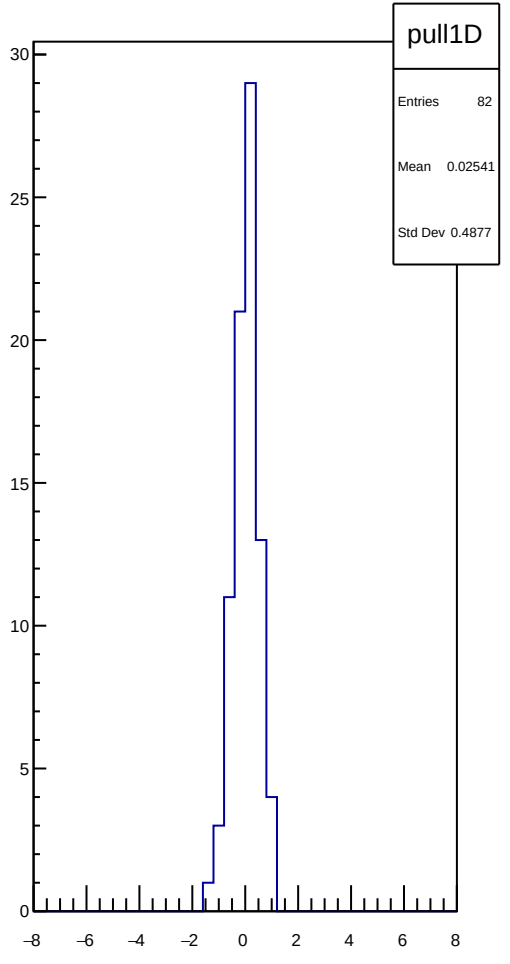

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.86 / 81
p0 −212.7 ± 5.408
pull
Entries 82
Mean 42.19
Std Dev 41.35

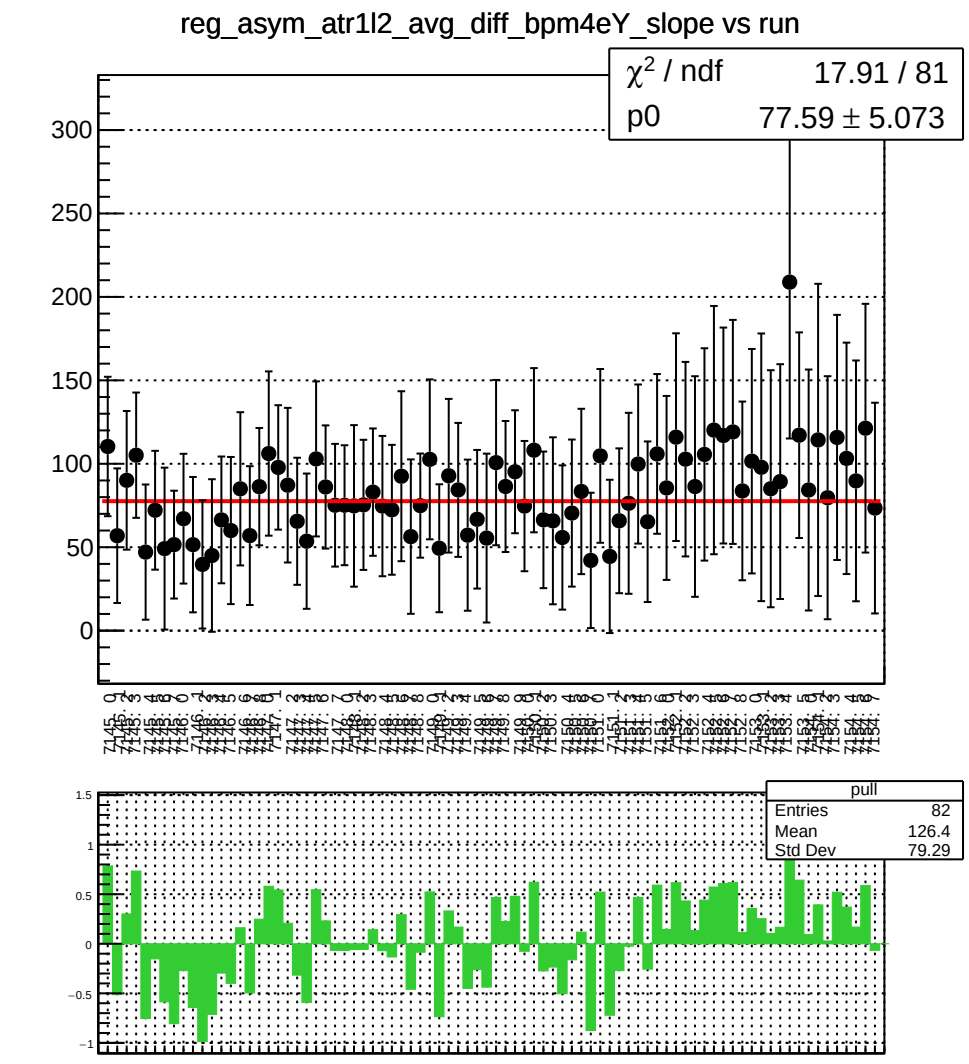

pull1D
Entries 82
Mean −0.02077
Std Dev 0.4917

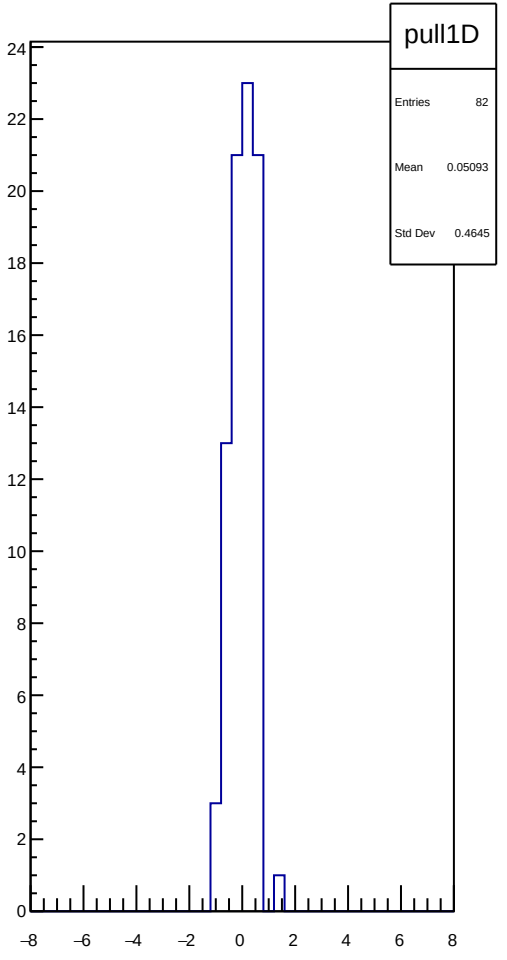

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.41 / 81
p0 −2.612 ± 4.668
pull
Entries 82
Mean 116.1
Std Dev 67.63

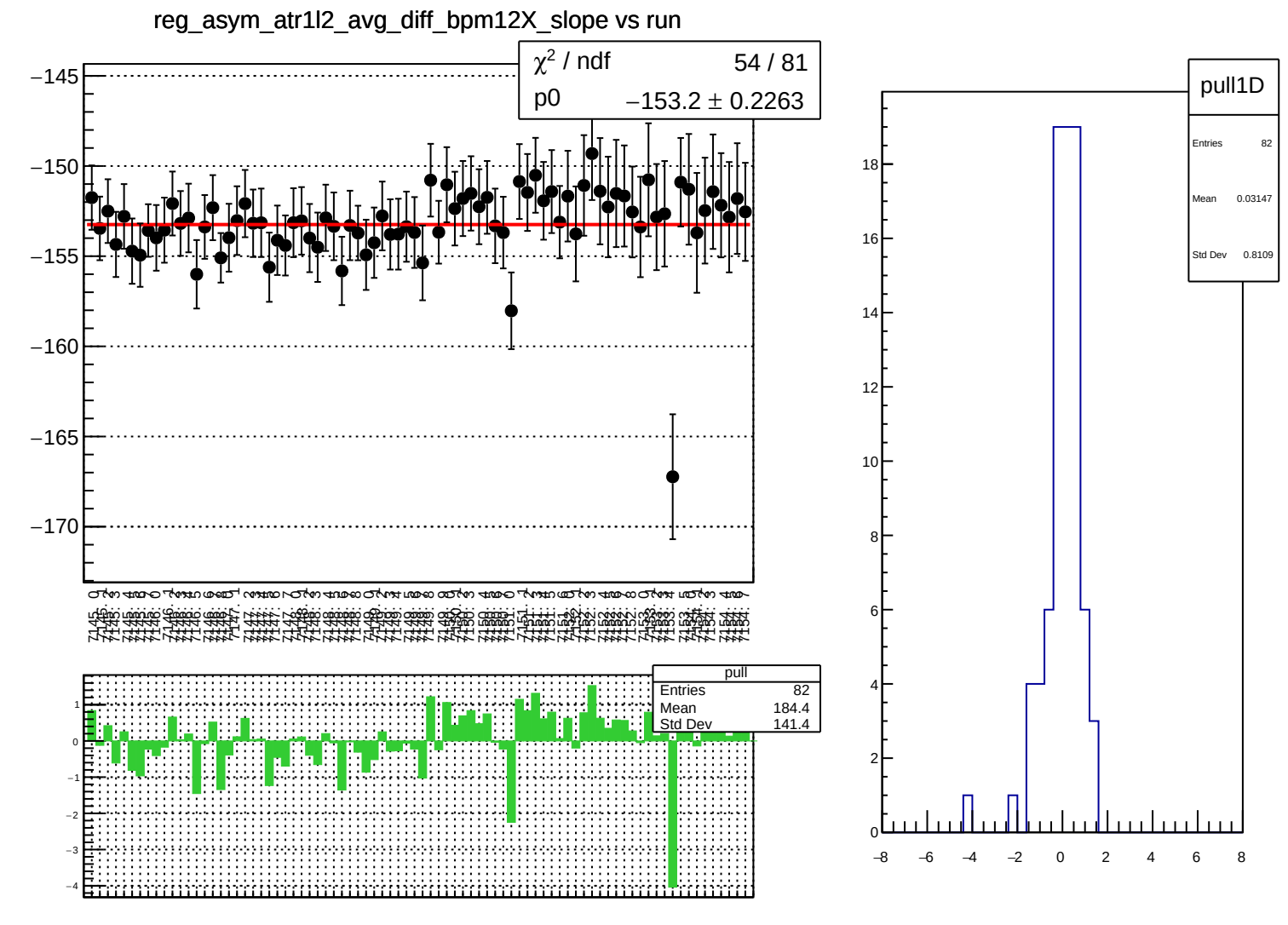

pull1D
Entries 82
Mean −0.03806
Std Dev 0.4175

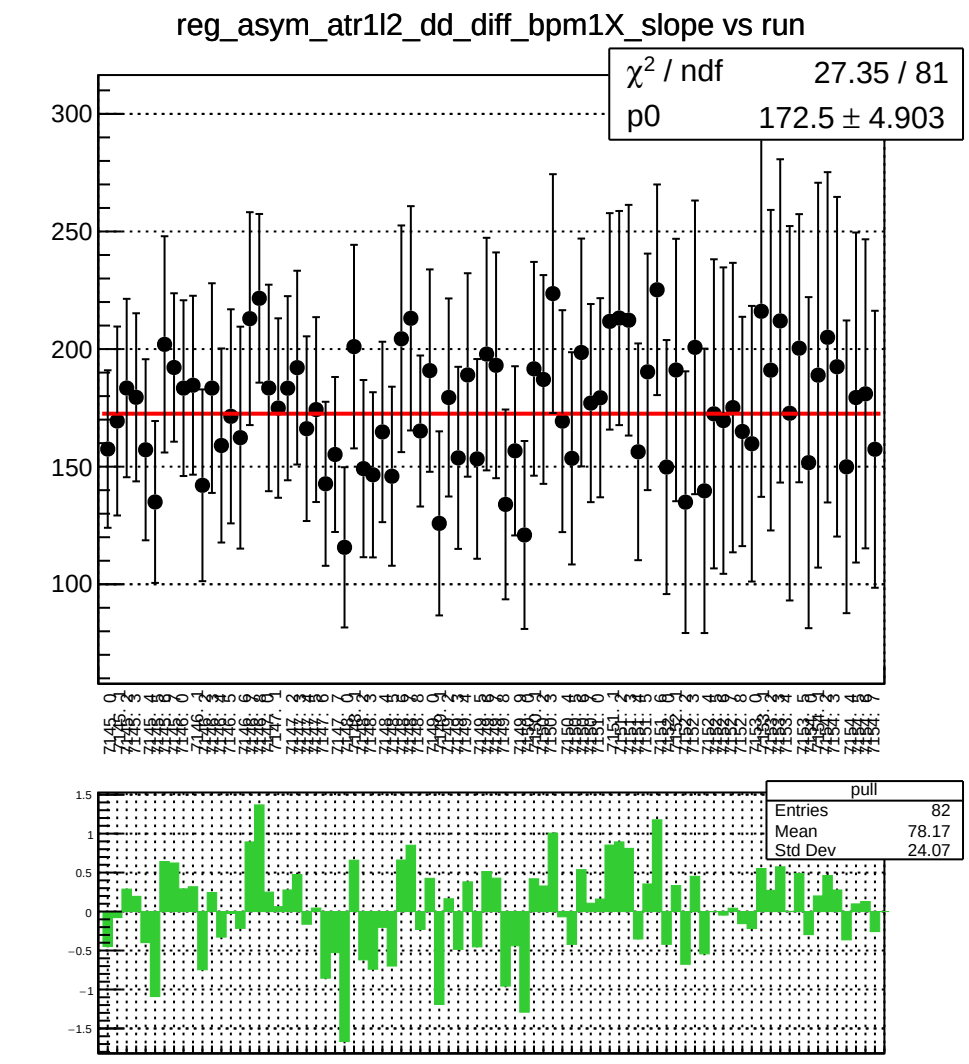

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.56 / 81
p0 153.7 ± 5.538
300
250
200
150
100
50
pull
Entries 82
Mean 65.04
Std Dev 29.01
1
0.5
0
−0.5
−1
−1.5

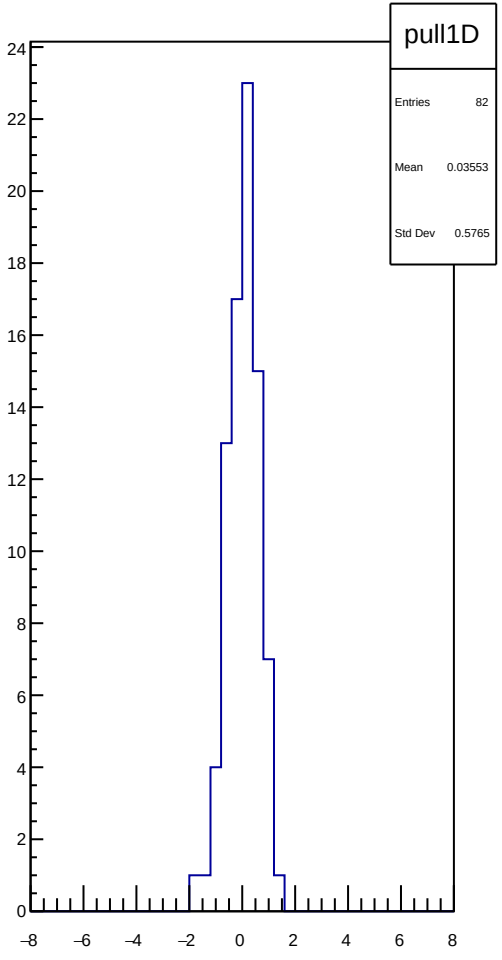

pull1D
Entries 82
Mean 0.02541
Std Dev 0.4877
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

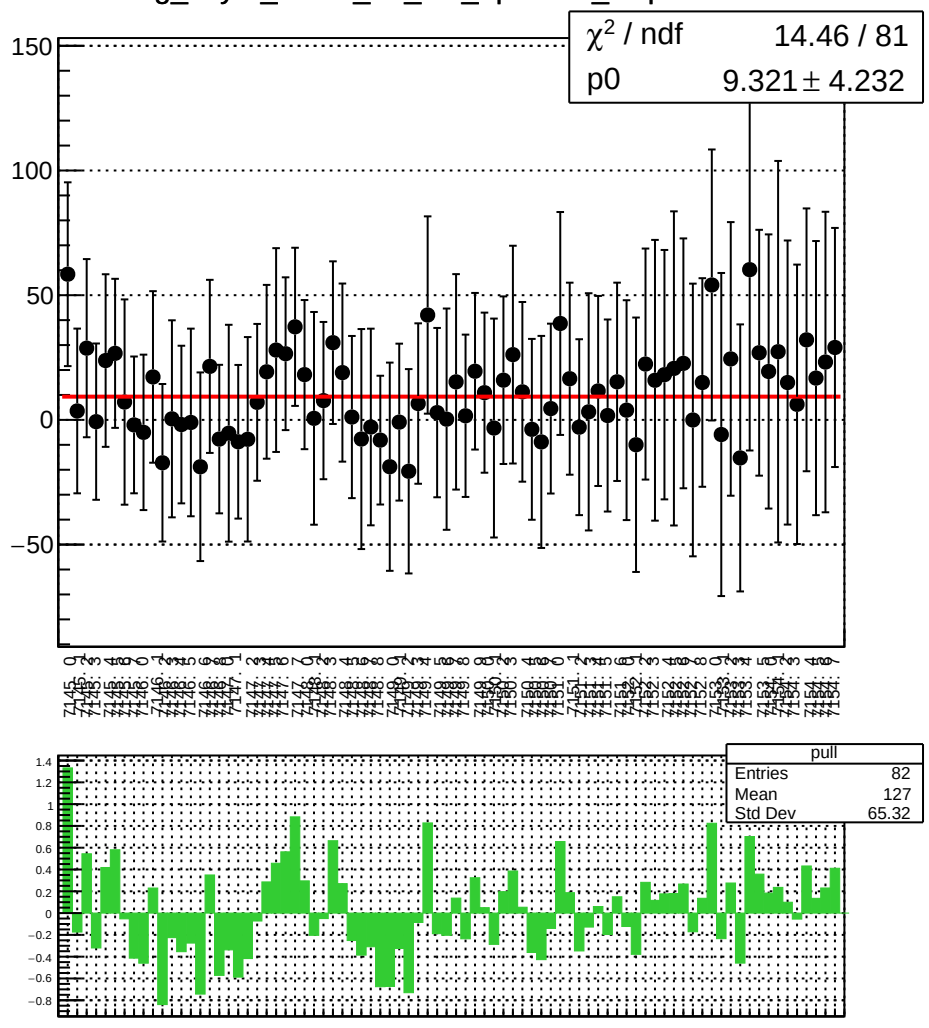

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.91 / 81
p0 77.59 ± 5.073
pull
Entries 82
Mean 126.4
Std Dev 79.29

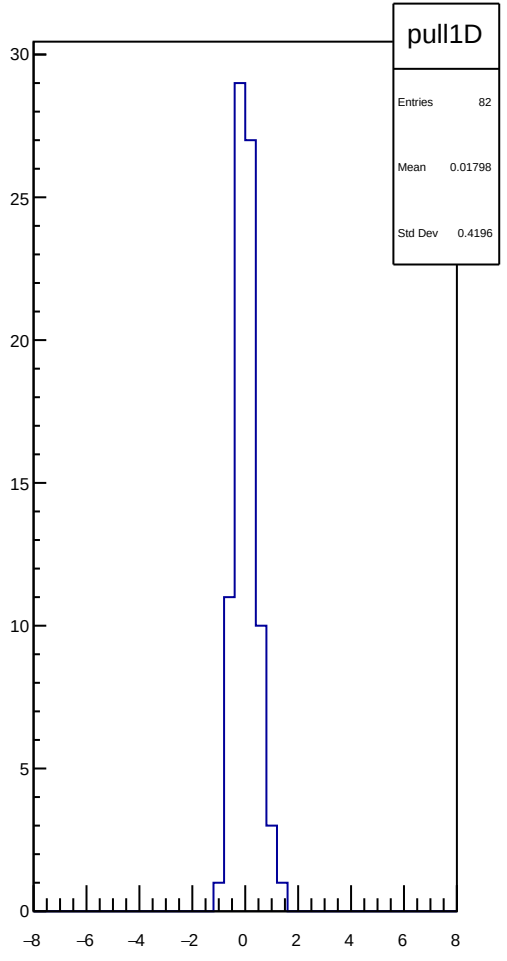

pull1D
Entries 82
Mean 0.05093
Std Dev 0.4645

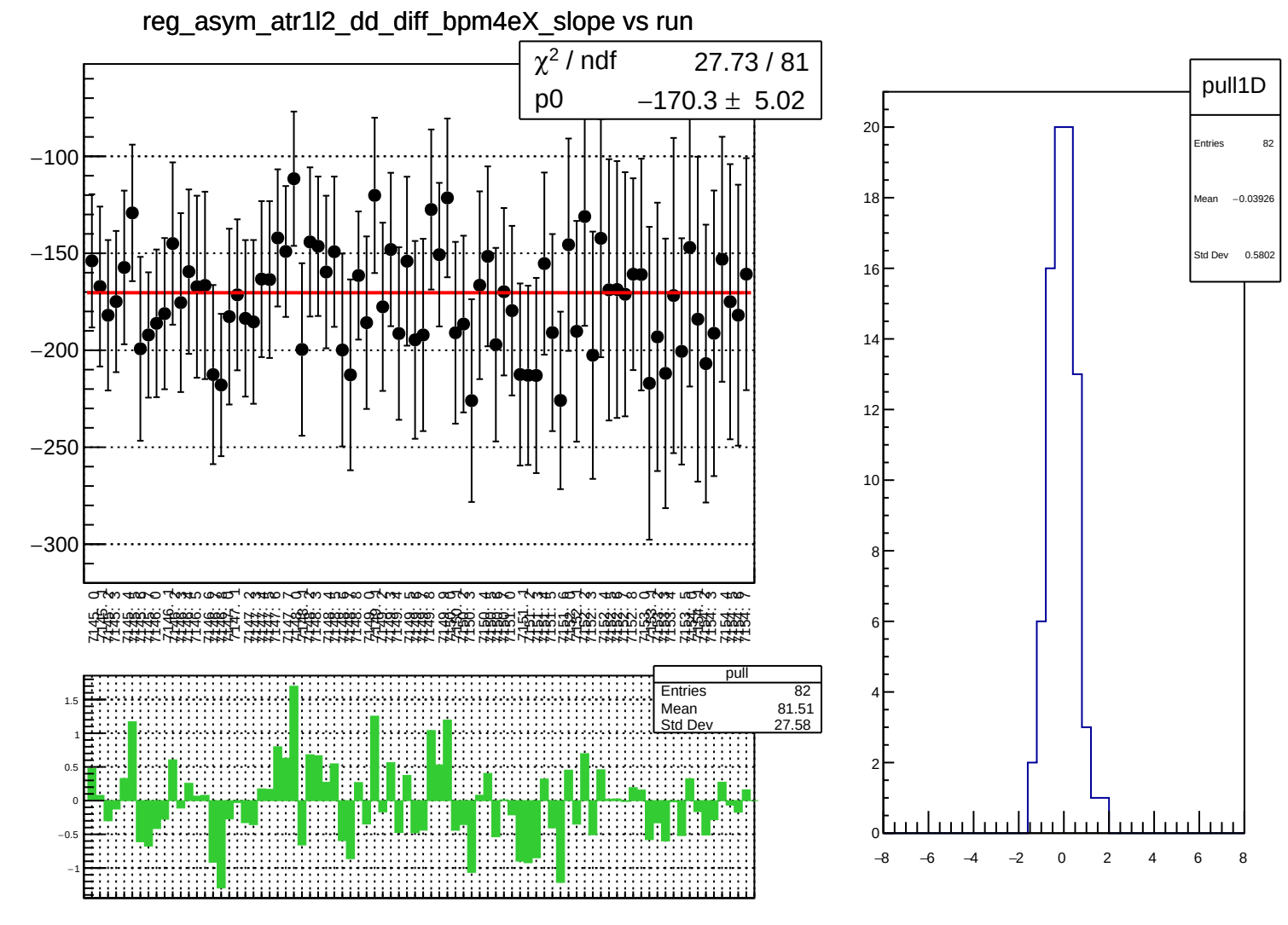

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 54 / 81
p0 −153.2 ± 0.2263
−145
−150
−155
−160
−165
−170
pull
Entries 82
Mean 184.4
Std Dev 141.4
1
0
−1
−2
−3
−4
pull1D
Entries 82
Mean 0.03147
Std Dev 0.8109
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

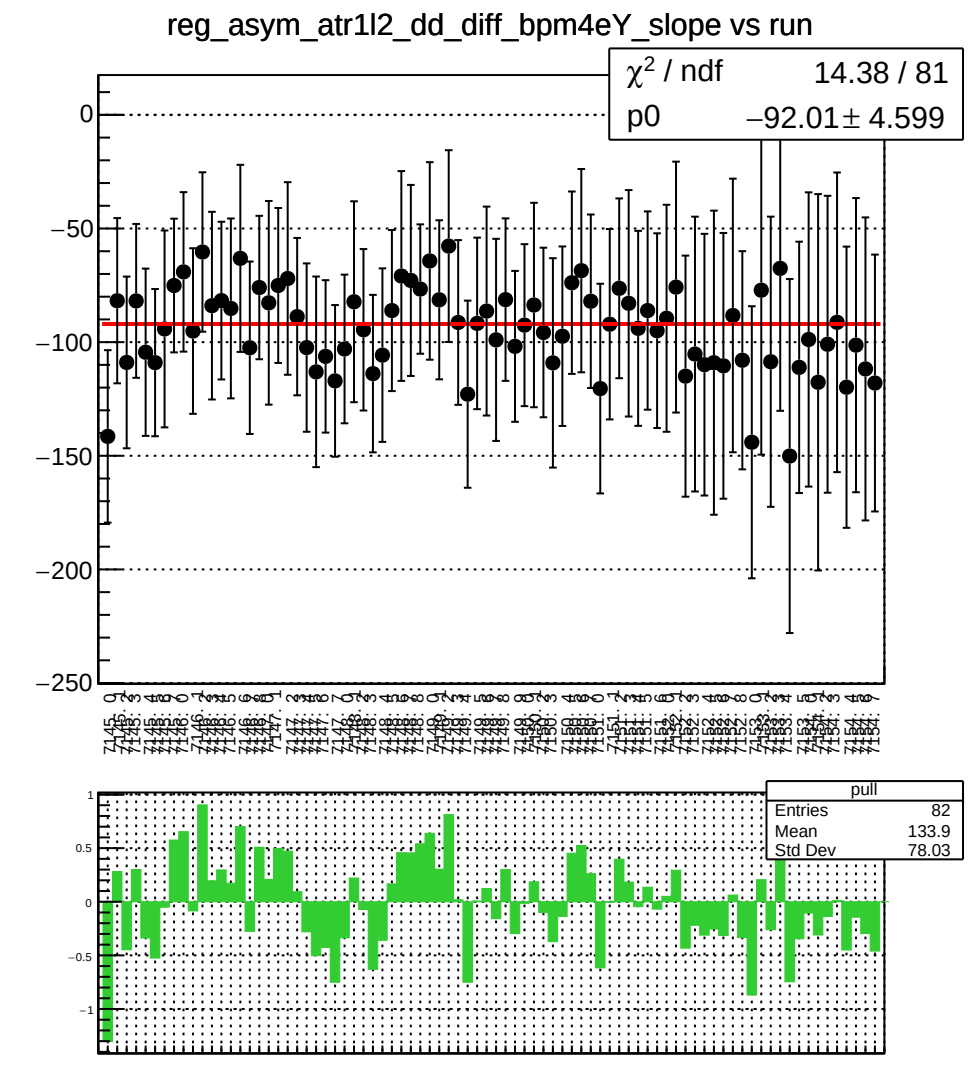

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 27.35 / 81
p0 172.5 ± 4.903
300
250
200
150
100
pull
Entries 82
Mean 78.17
Std Dev 24.07
1.5
1
0.5
0
−0.5
−1
−1.5

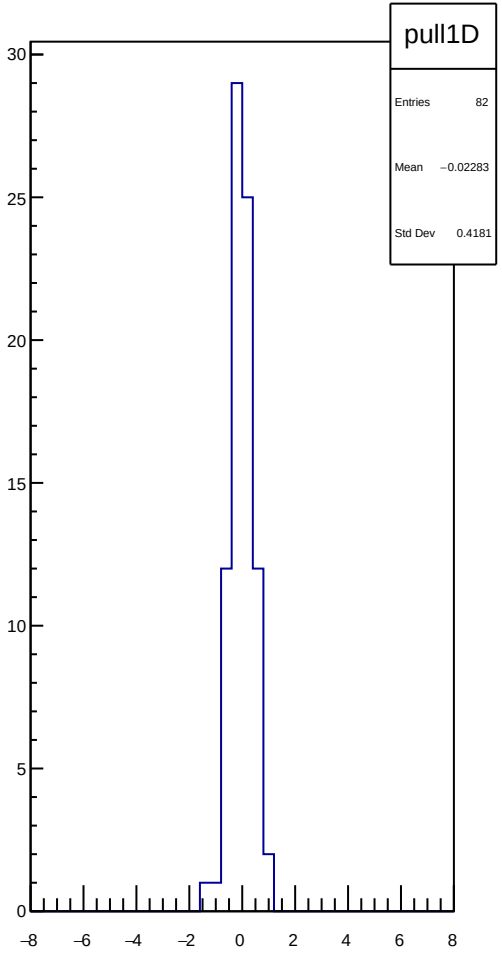

pull1D
Entries 82
Mean 0.03553
Std Dev 0.5765
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

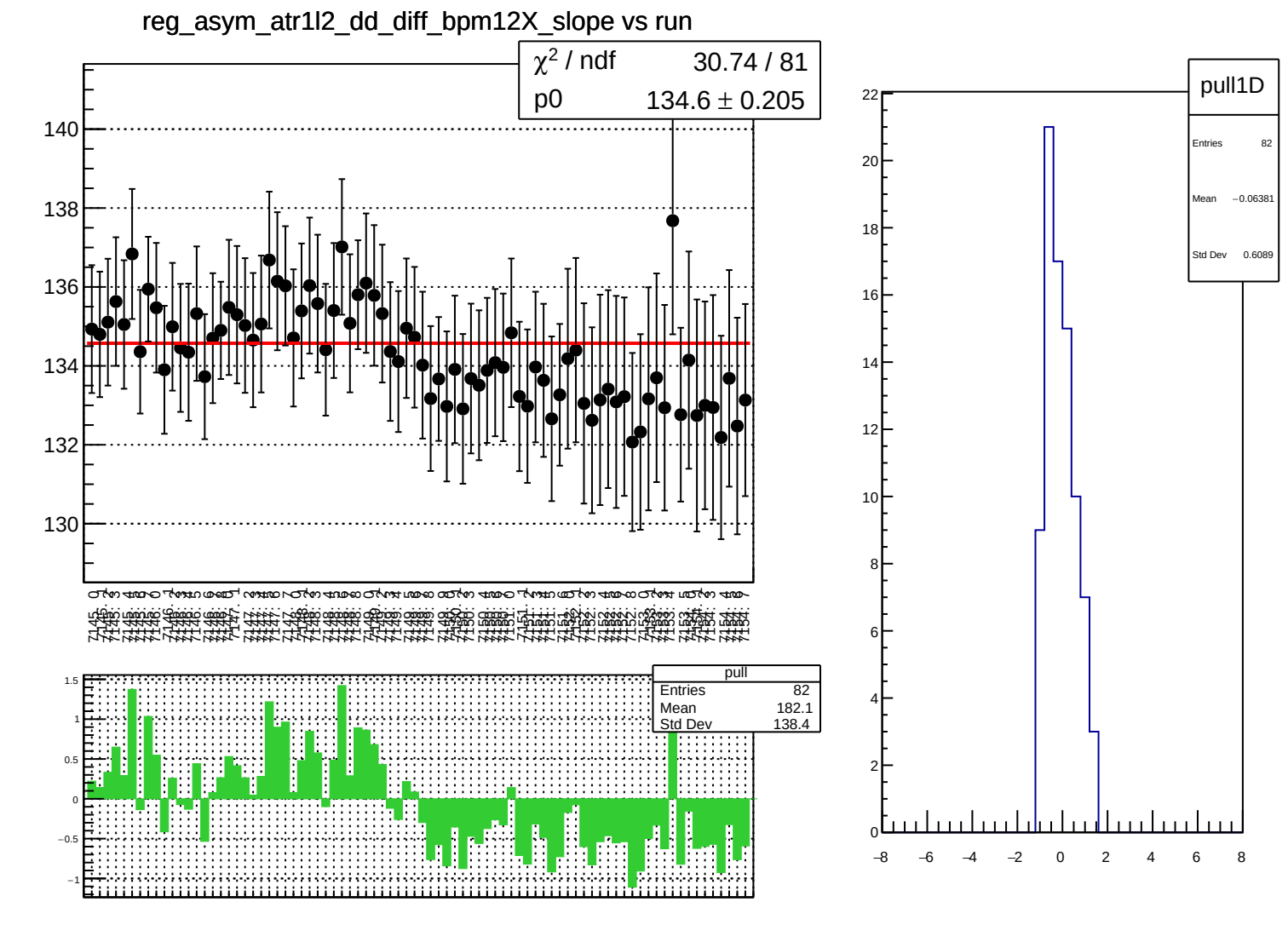

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.46 / 81
p0 9.321 ± 4.232
150
100
50
0
−50
pull
Entries 82
Mean 127
Std Dev 65.32
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

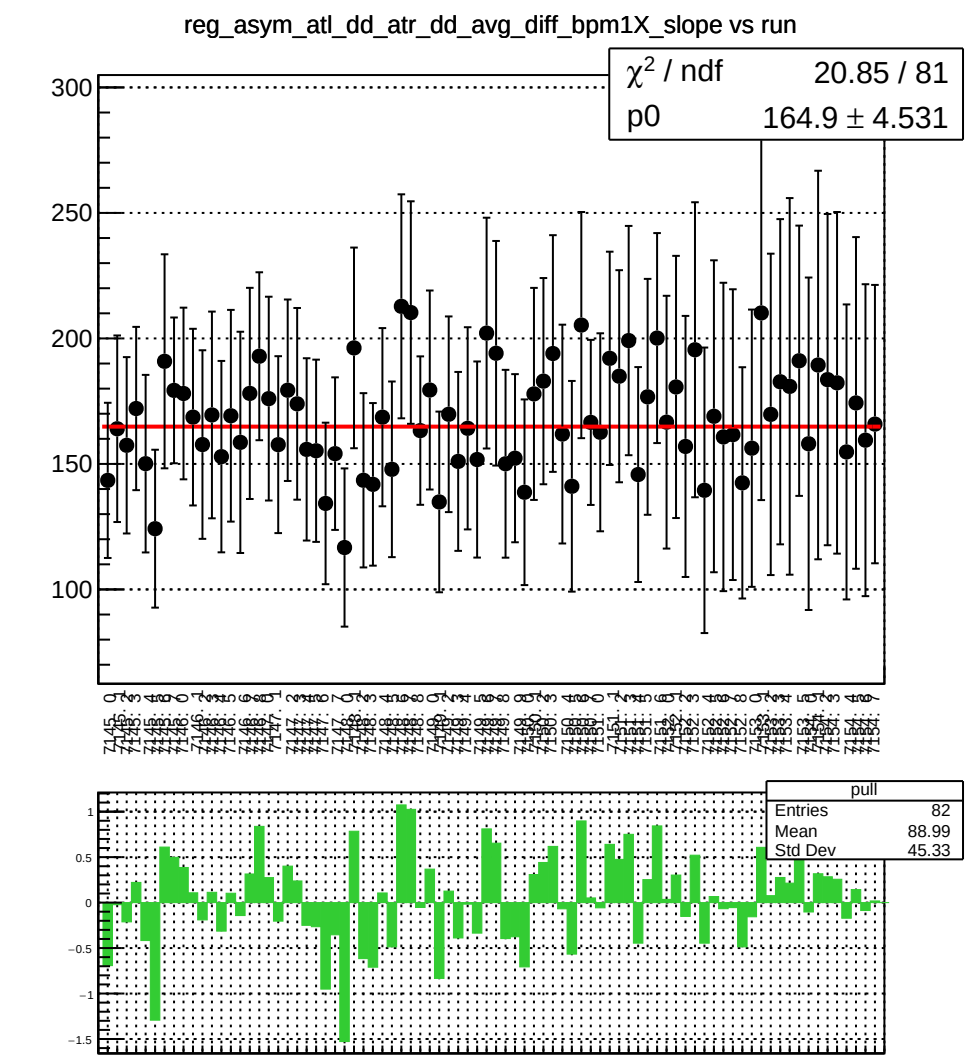

pull1D
Entries 82
Mean 0.01798
Std Dev 0.4196
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

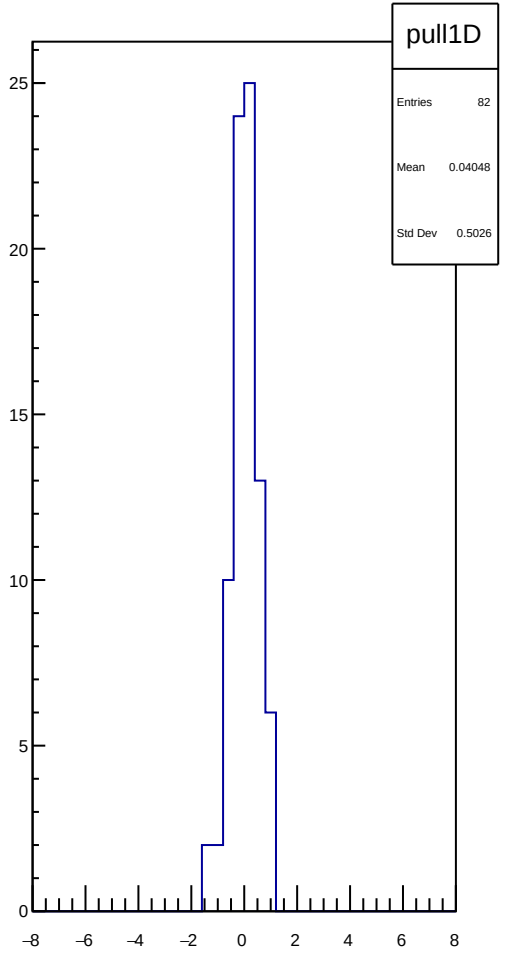

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.73 / 81
p0 −170.3 ± 5.02
−100
−150
−200
−250
−300
pull
Entries 82
Mean 81.51
Std Dev 27.58
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.03926
Std Dev 0.5802
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

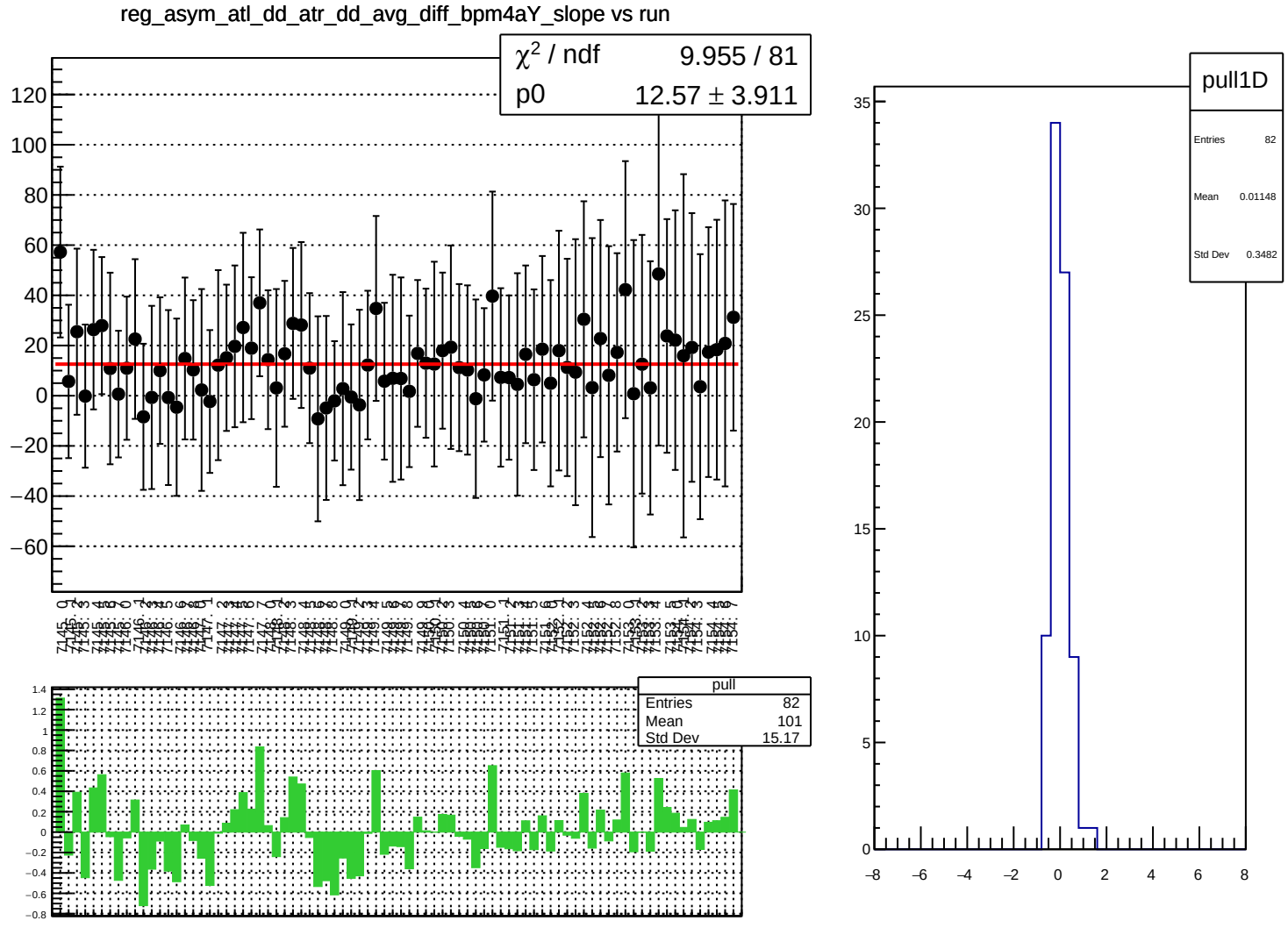

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.38 / 81
p0 −92.01 ± 4.599
pull
Entries 82
Mean 133.9
Std Dev 78.03

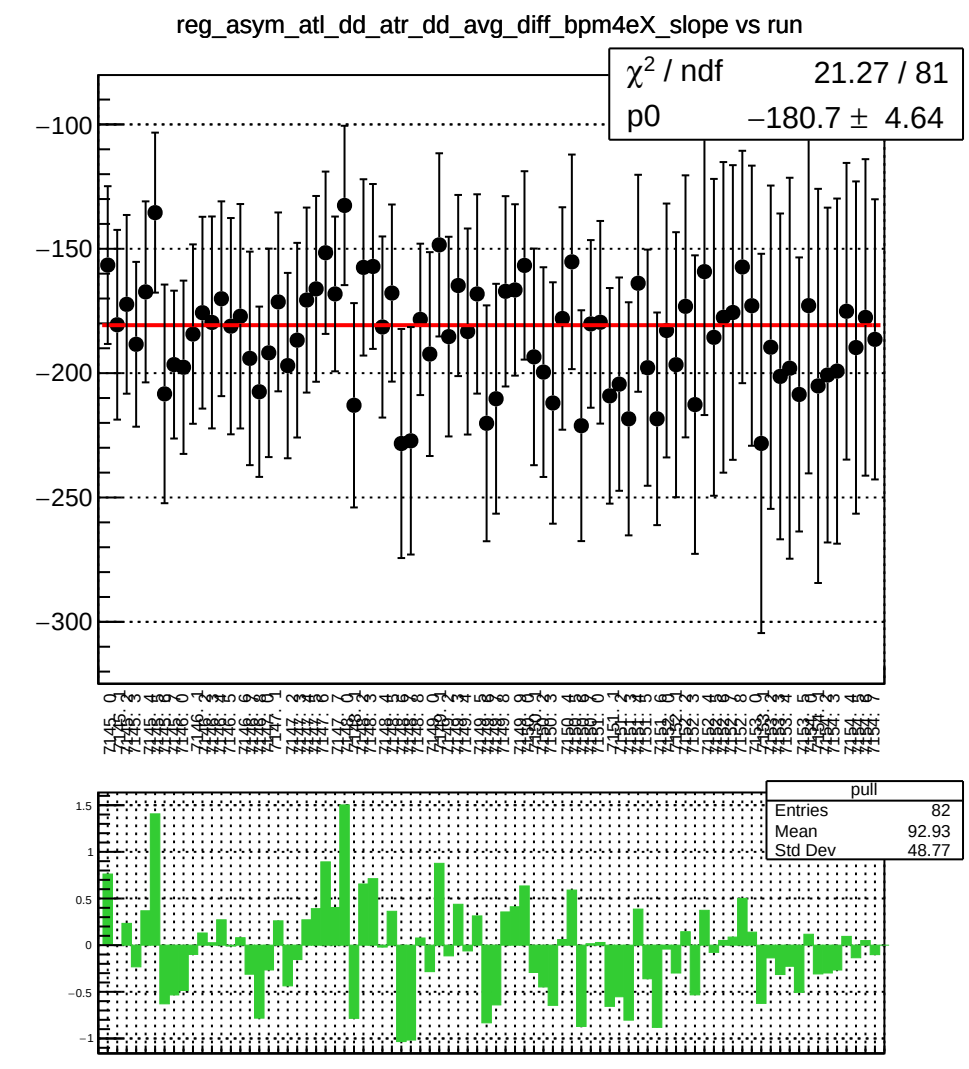

pull1D
Entries 82
Mean −0.02283
Std Dev 0.4181

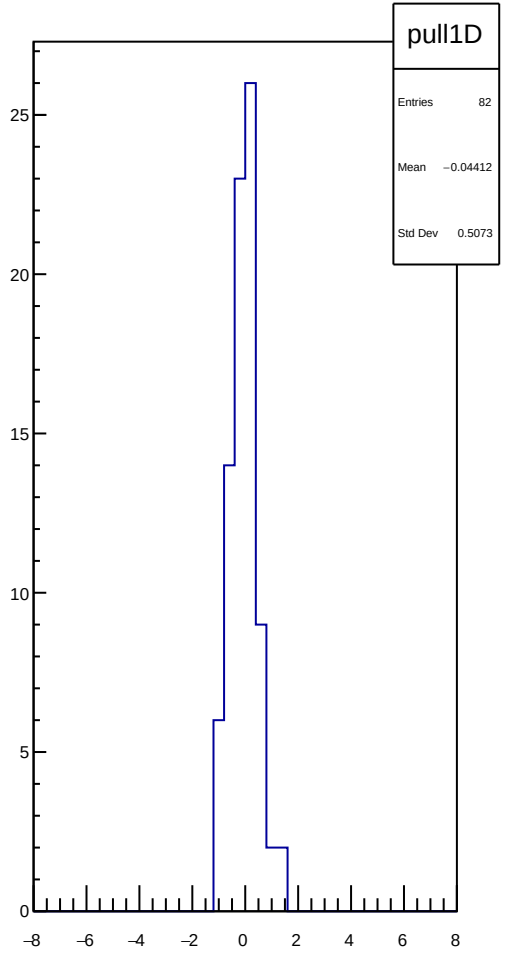

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 30.74 / 81
p0 134.6 ± 0.205
140
138
136
134
132
130
pull
Entries 82
Mean 182.1
Std Dev 138.4
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.06381
Std Dev 0.6089
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

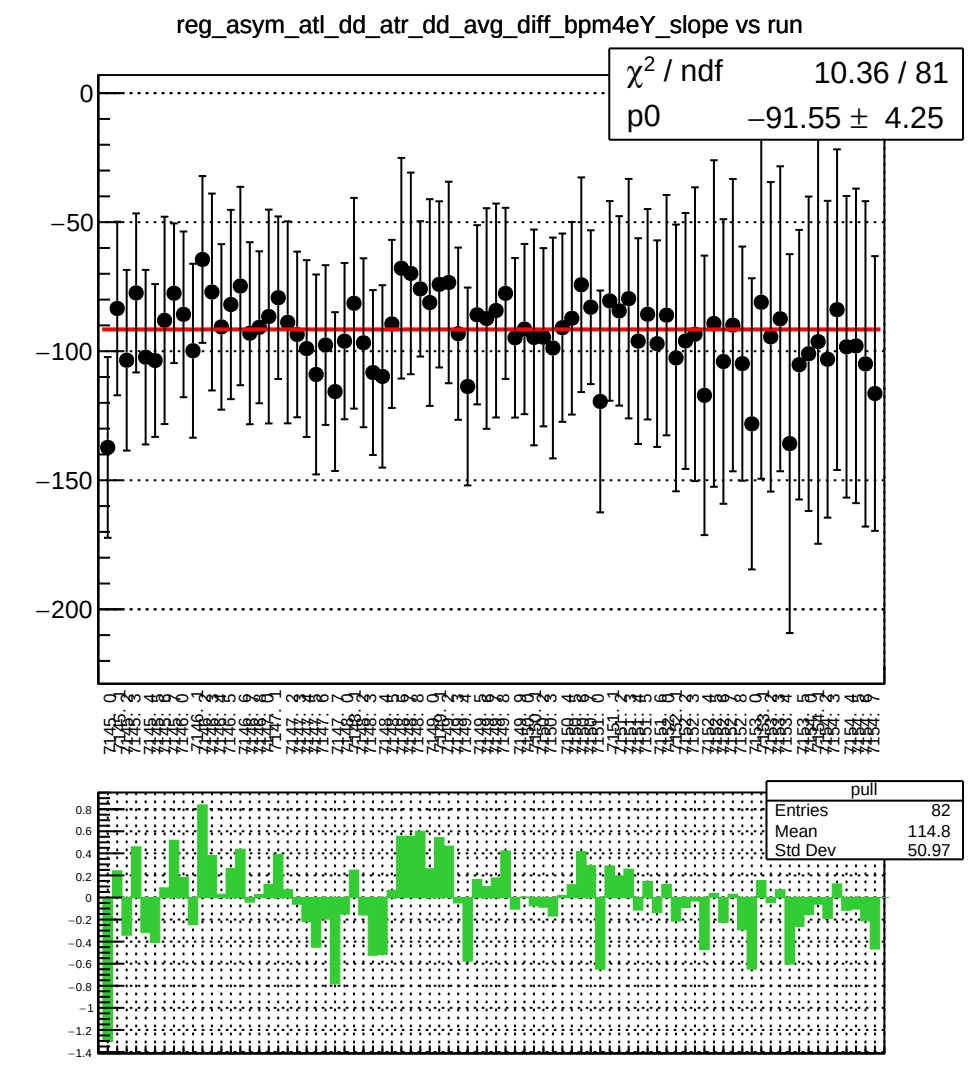

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 20.85 / 81
p0 164.9 ± 4.531
300
250
200
150
100
pull
Entries 82
Mean 88.99
Std Dev 45.33
1
0.5
0
−0.5
−1
−1.5

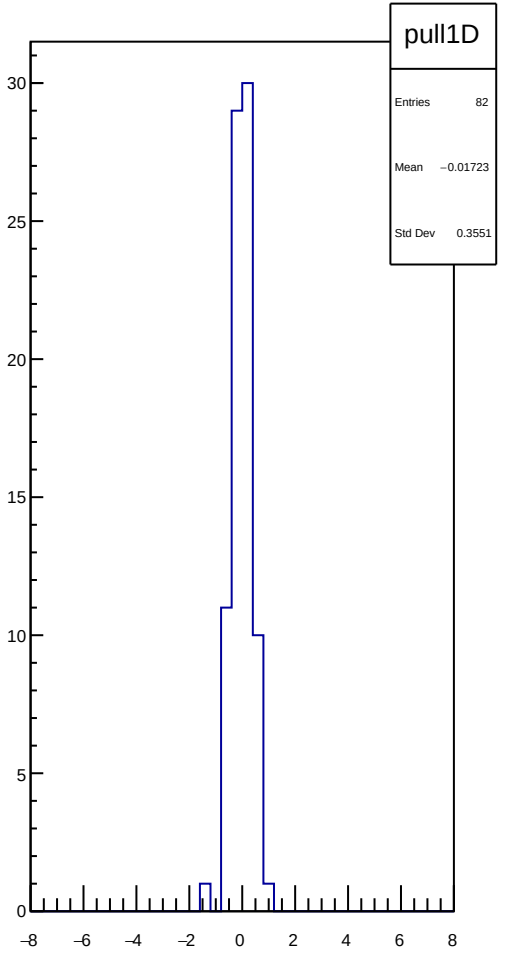

pull1D
Entries 82
Mean 0.04048
Std Dev 0.5026
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

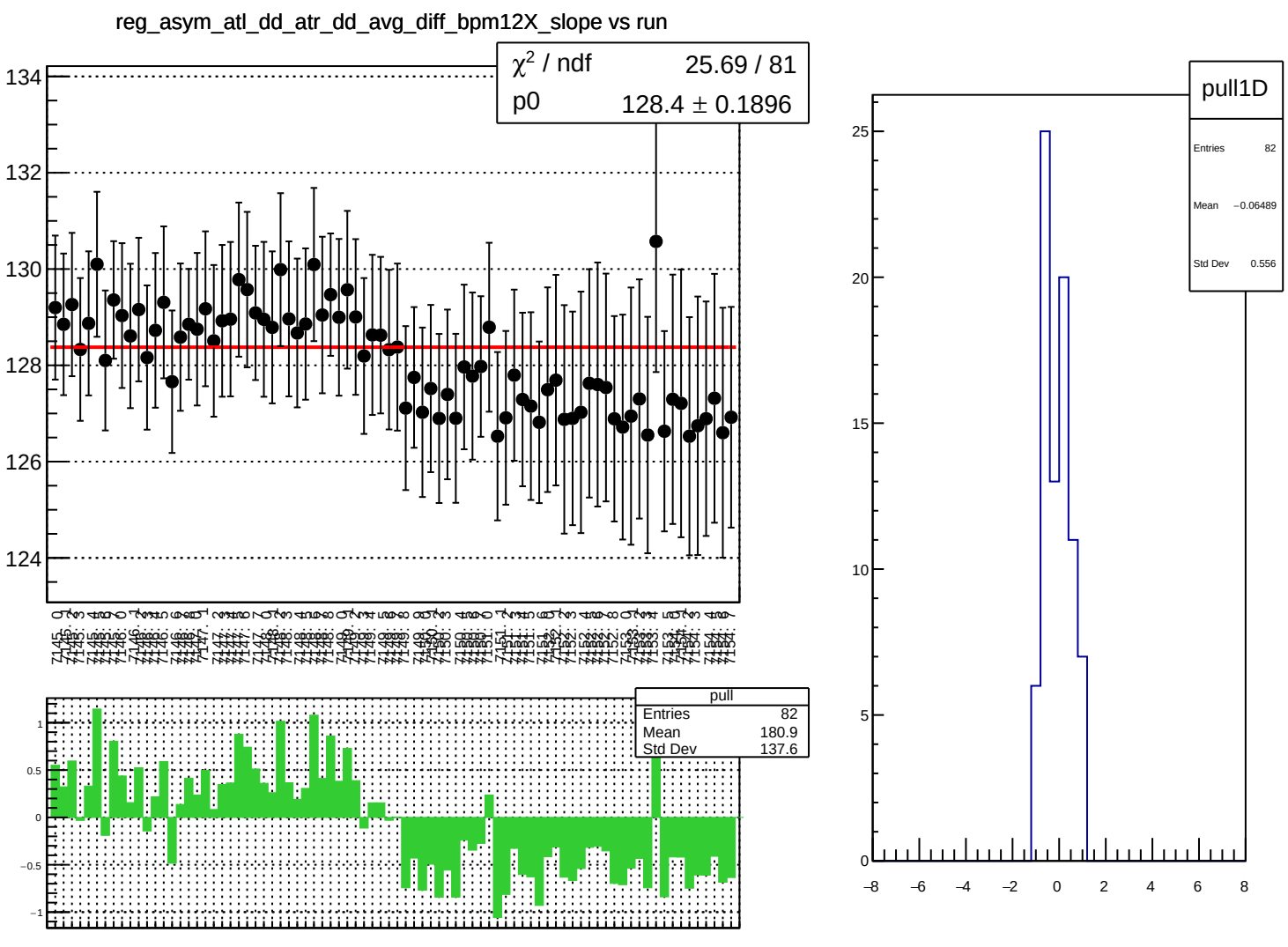

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.955 / 81
p0 12.57 ± 3.911
pull
Entries 82
Mean 101
Std Dev 15.17
pull1D
Entries 82
Mean 0.01148
Std Dev 0.3482

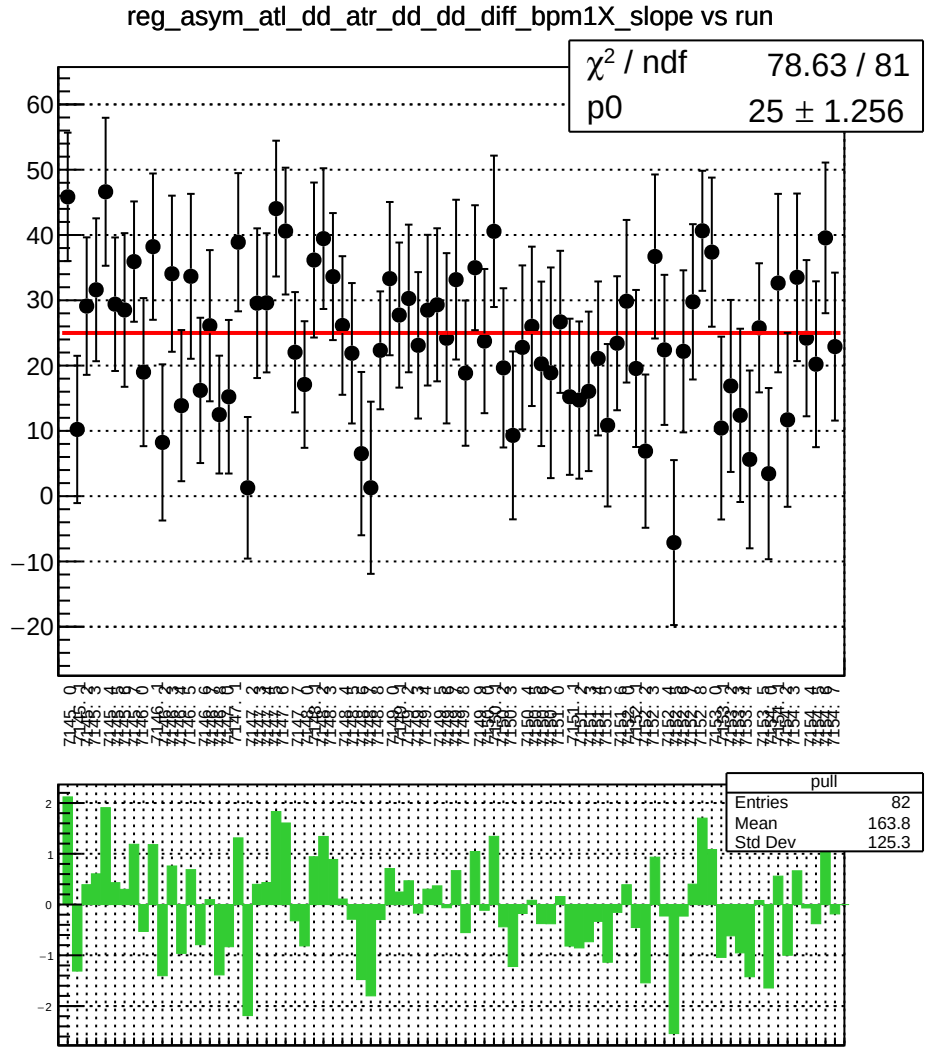

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.27 / 81
p0 −180.7 ± 4.64
−100
−150
−200
−250
−300
pull
Entries 82
Mean 92.93
Std Dev 48.77
1.5
1
0.5
0
−0.5
−1

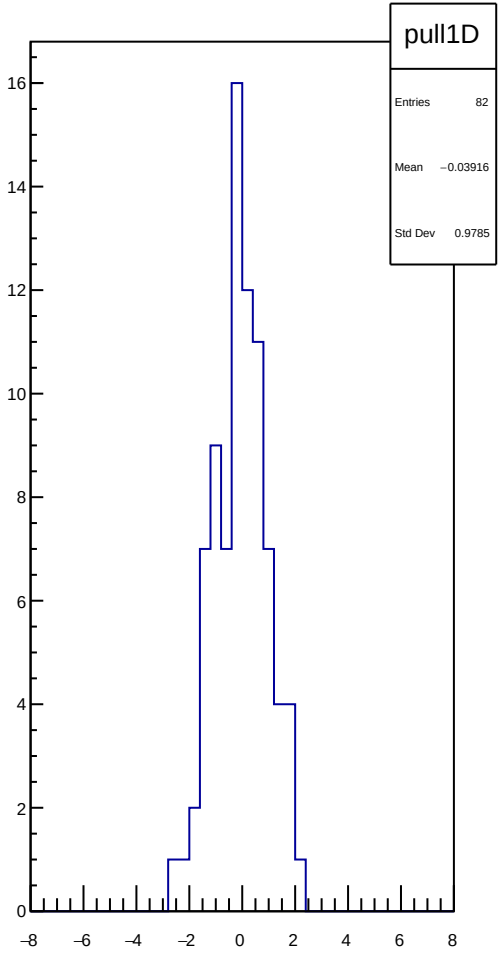

pull1D
Entries 82
Mean −0.04412
Std Dev 0.5073
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

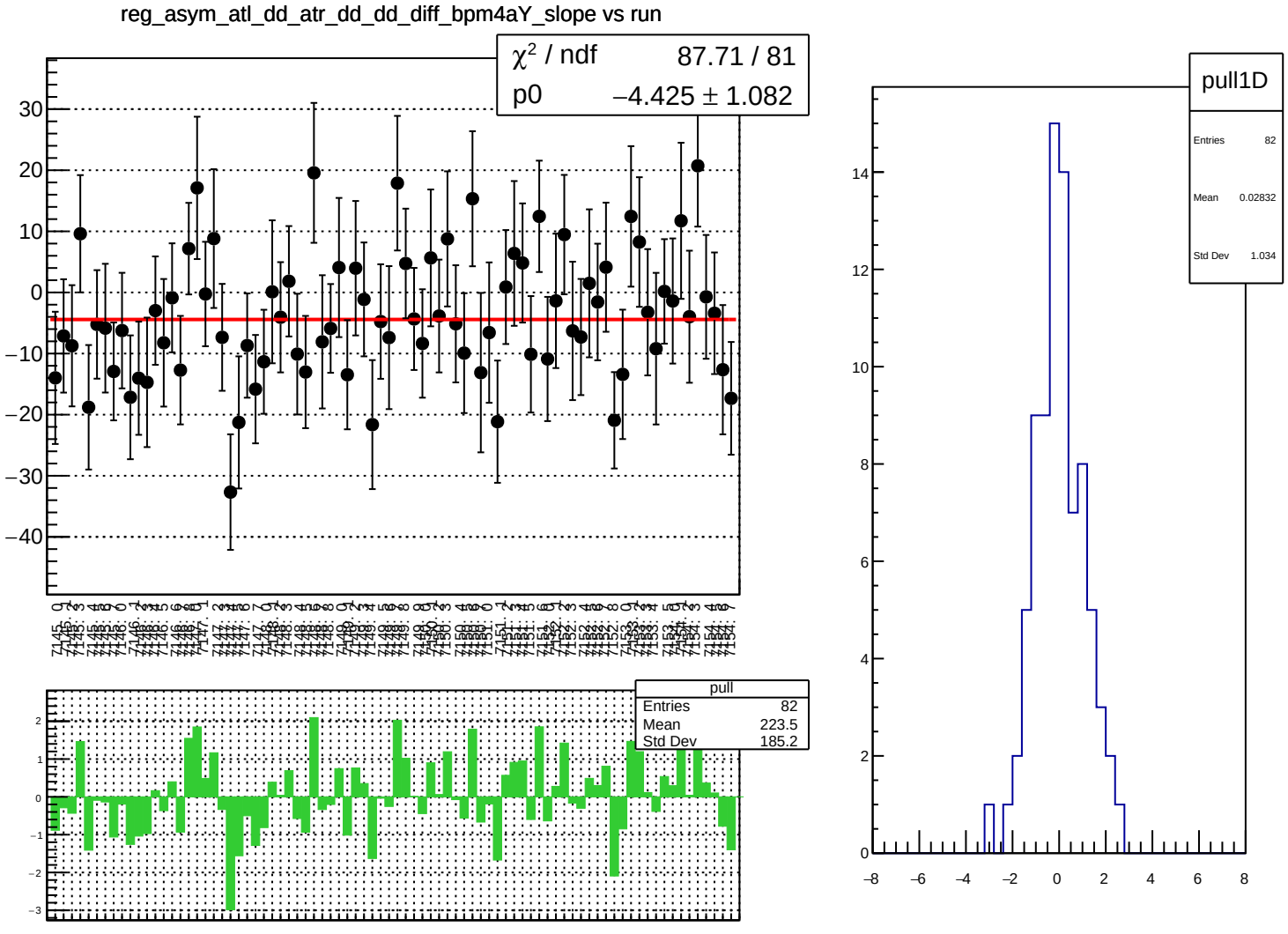

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.36 / 81
p0 −91.55 ± 4.25
0
−50
−100
−150
−200
pull
Entries 82
Mean 114.8
Std Dev 50.97
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

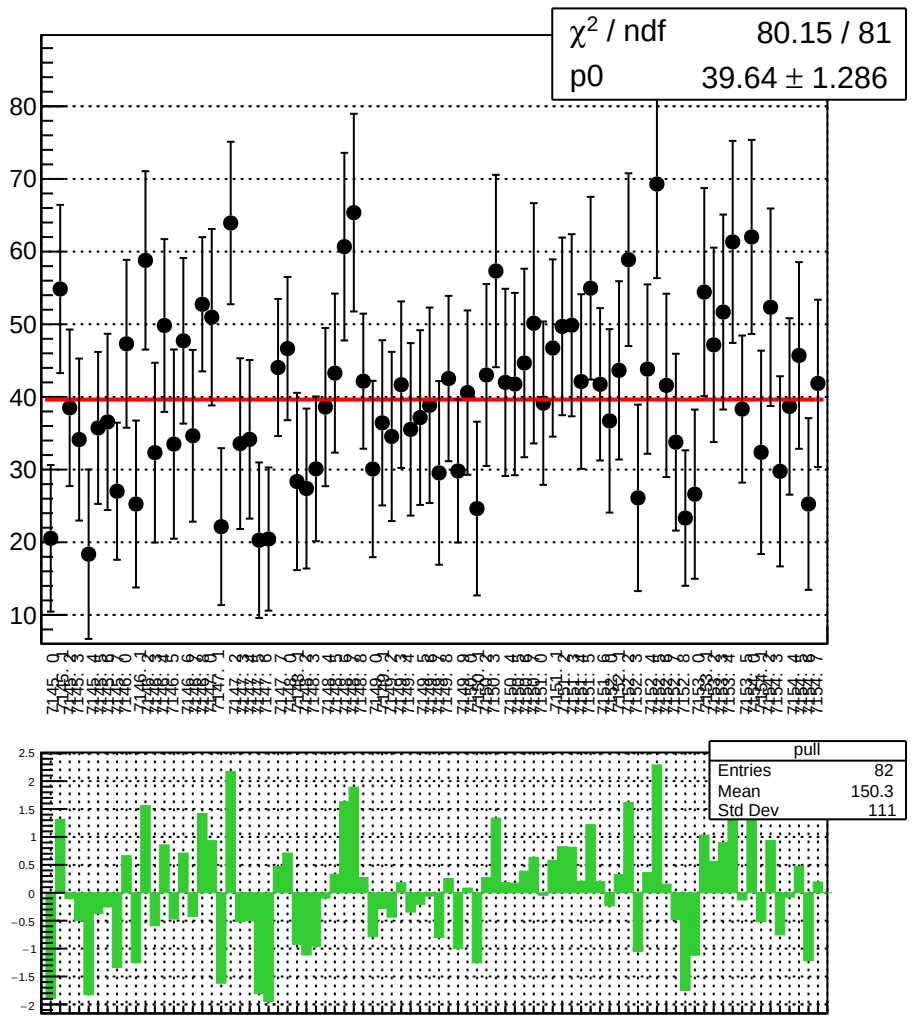

pull1D
Entries 82
Mean −0.01723
Std Dev 0.3551
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

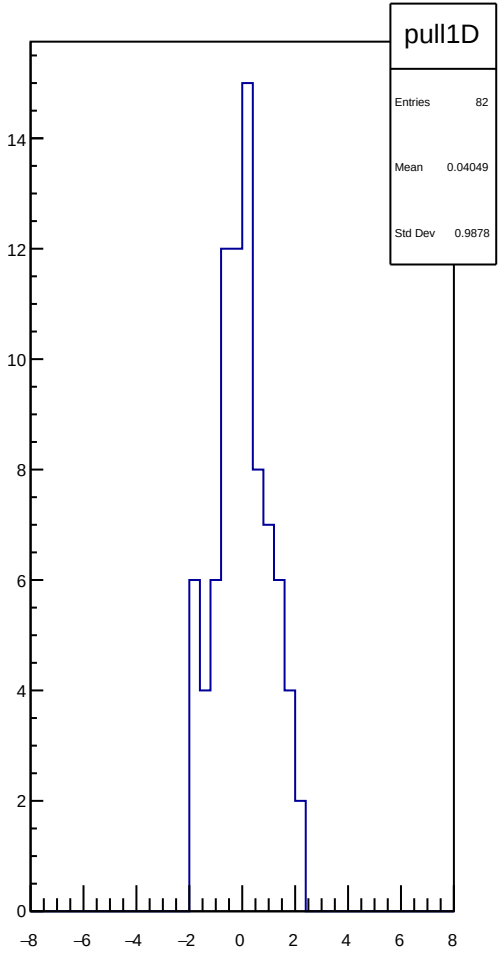

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 25.69 / 81
p0 128.4 ± 0.1896
134
132
130
128
126
124
pull
Entries 82
Mean 180.9
Std Dev 137.6
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.06489
Std Dev 0.556
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

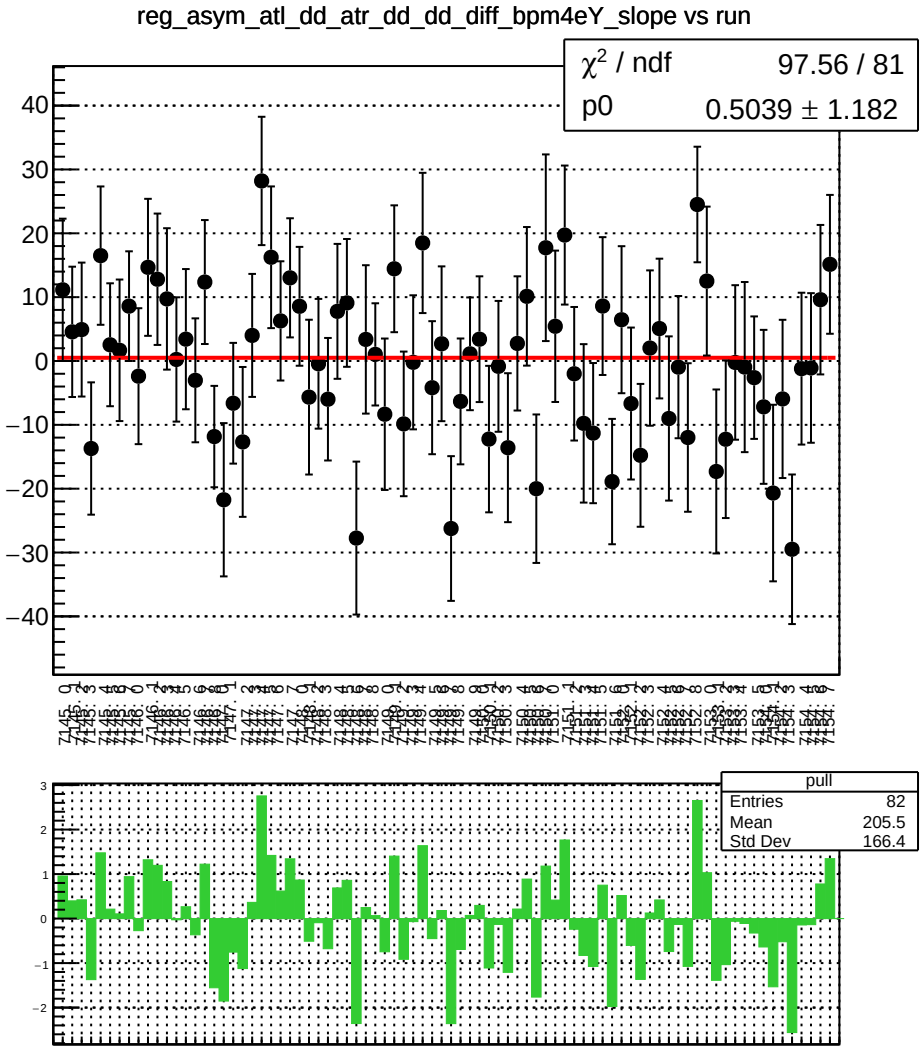

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 78.63 / 81
p0 25 ± 1.256
pull
Entries 82
Mean 163.8
Std Dev 125.3

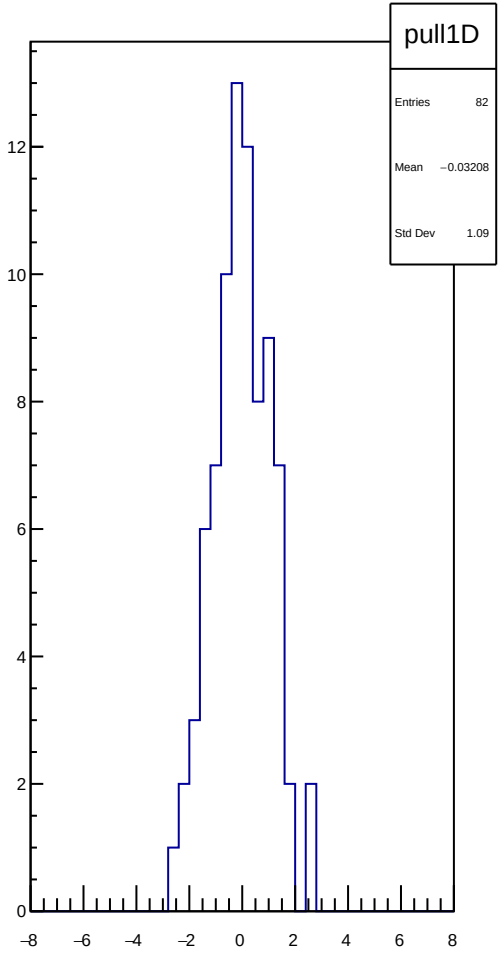

pull1D
Entries 82
Mean −0.03916
Std Dev 0.9785

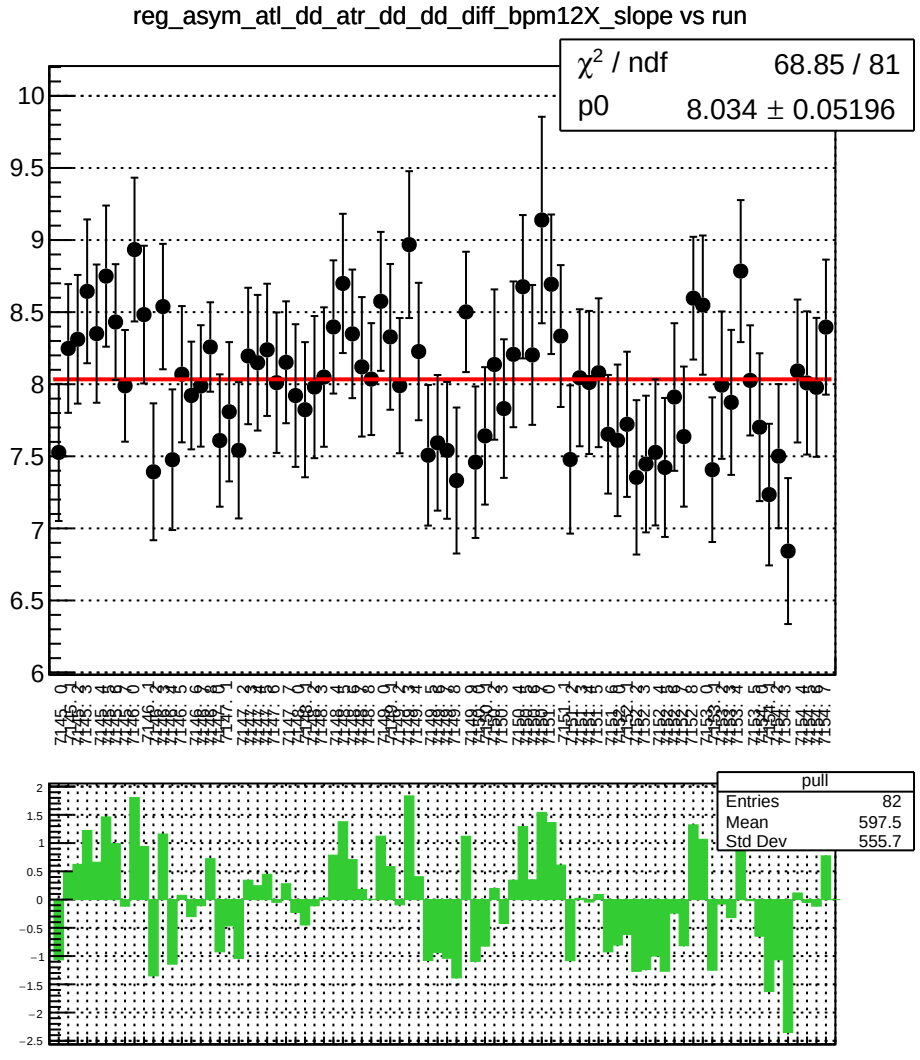

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.71 / 81
p0 −4.425 ± 1.082
pull
Entries 82
Mean 223.5
Std Dev 185.2
pull1D
Entries 82
Mean 0.02832
Std Dev 1.034

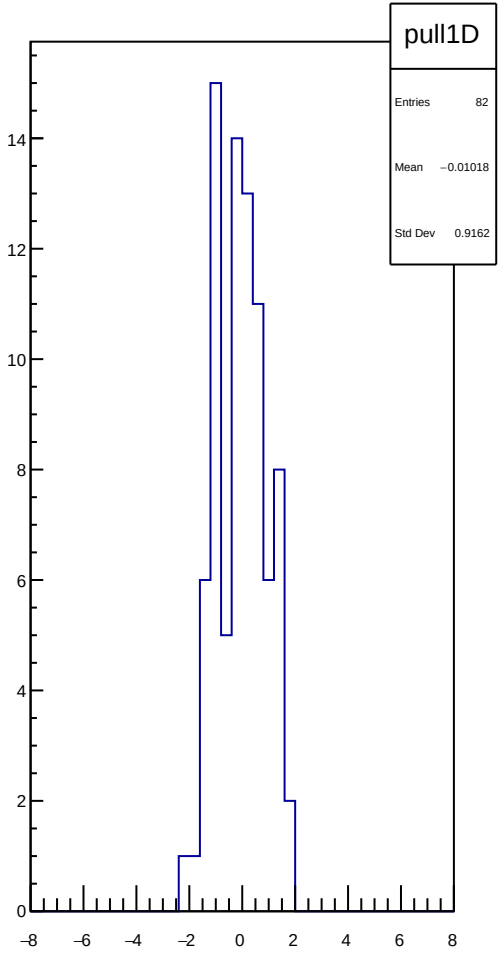

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.15 / 81
p0 39.64 ± 1.286
pull
Entries 82
Mean 150.3
Std Dev 111

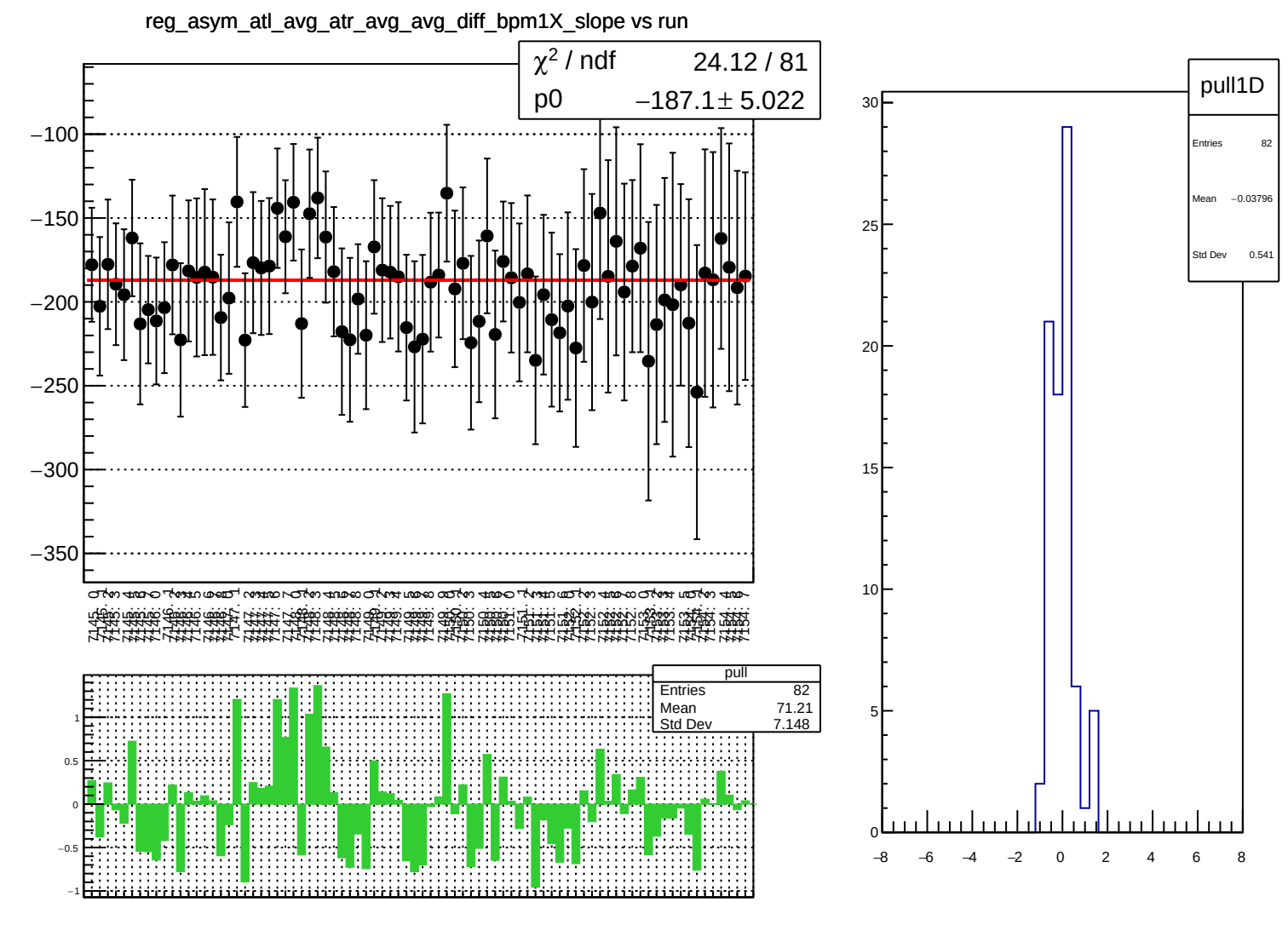

pull1D
Entries 82
Mean 0.04049
Std Dev 0.9878

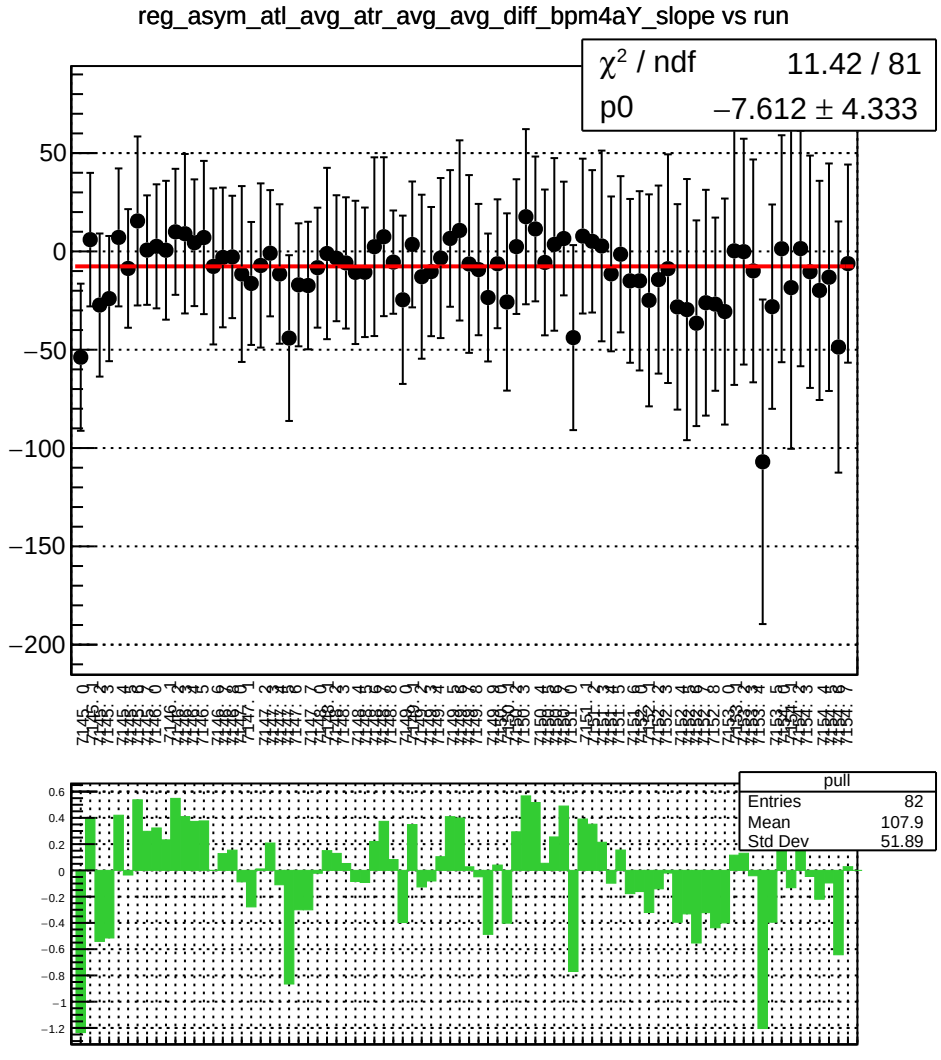

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.56 / 81
p0 0.5039 ± 1.182
pull
Entries 82
Mean 205.5
Std Dev 166.4

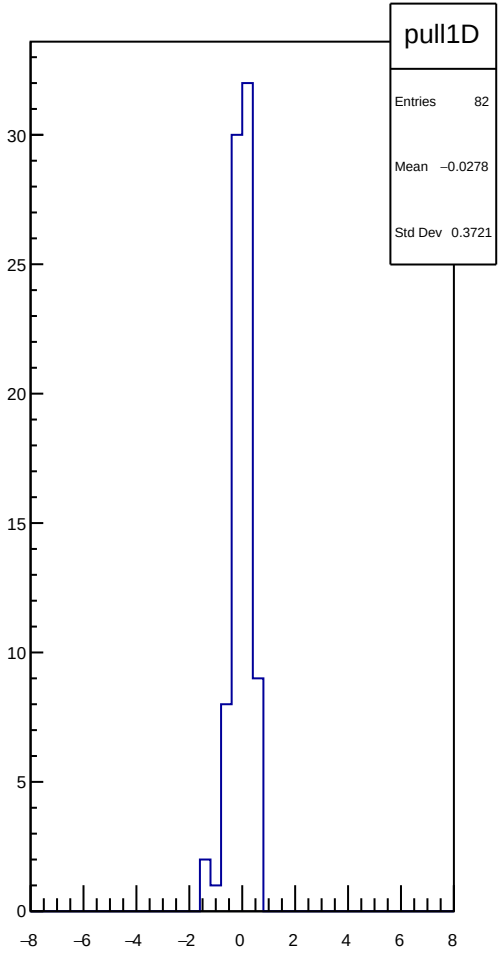

pull1D
Entries 82
Mean −0.03208
Std Dev 1.09

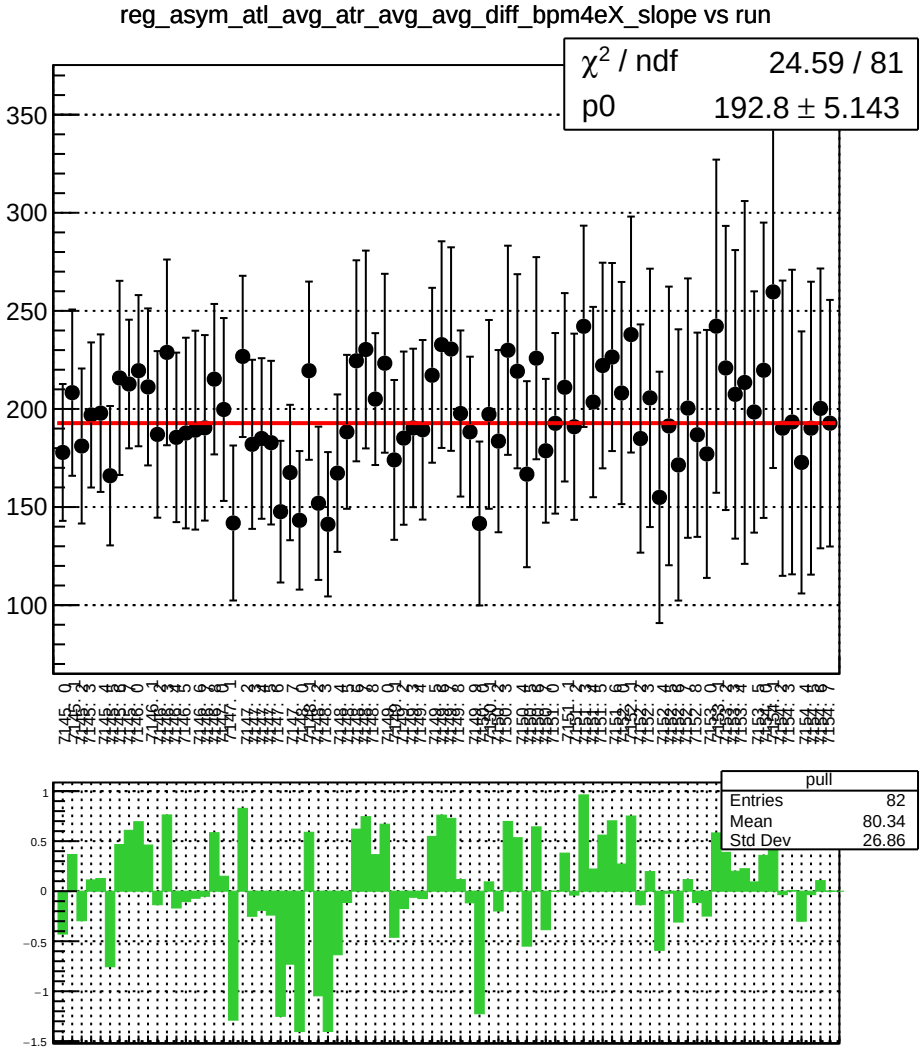

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 68.85 / 81
p0 8.034 ± 0.05196
pull
Entries 82
Mean 597.5
Std Dev 555.7

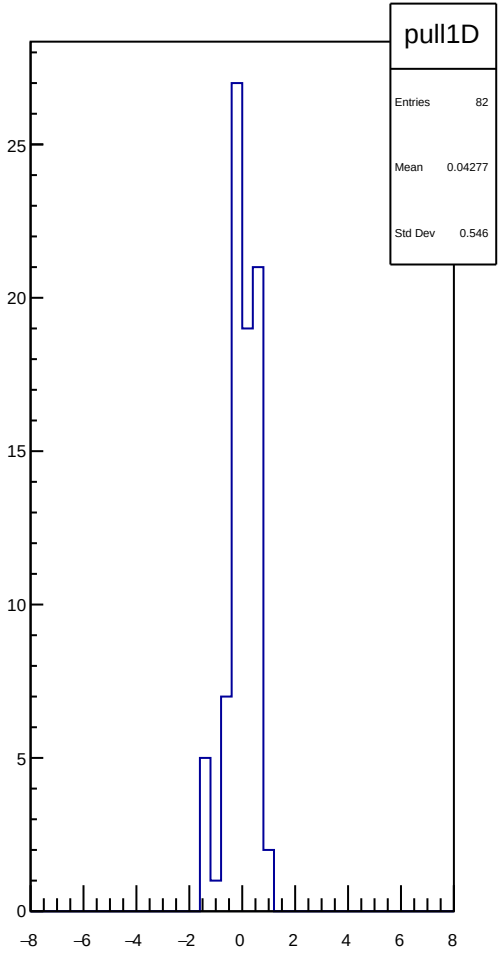

pull1D
Entries 82
Mean −0.01018
Std Dev 0.9162

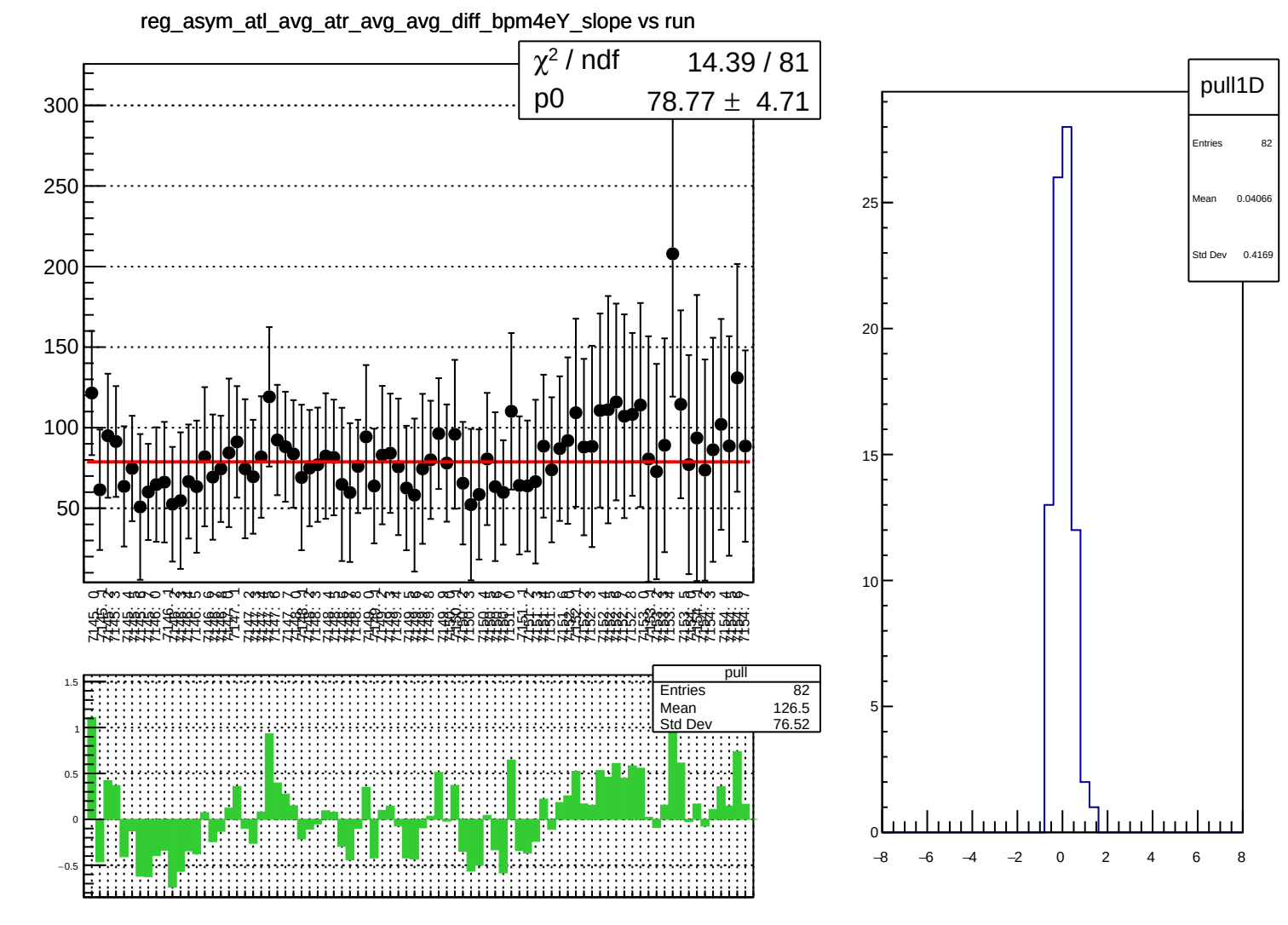

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 24.12 / 81
p0 −187.1 ± 5.022
pull
Entries 82
Mean 71.21
Std Dev 7.148
pull1D
Entries 82
Mean −0.03796
Std Dev 0.541

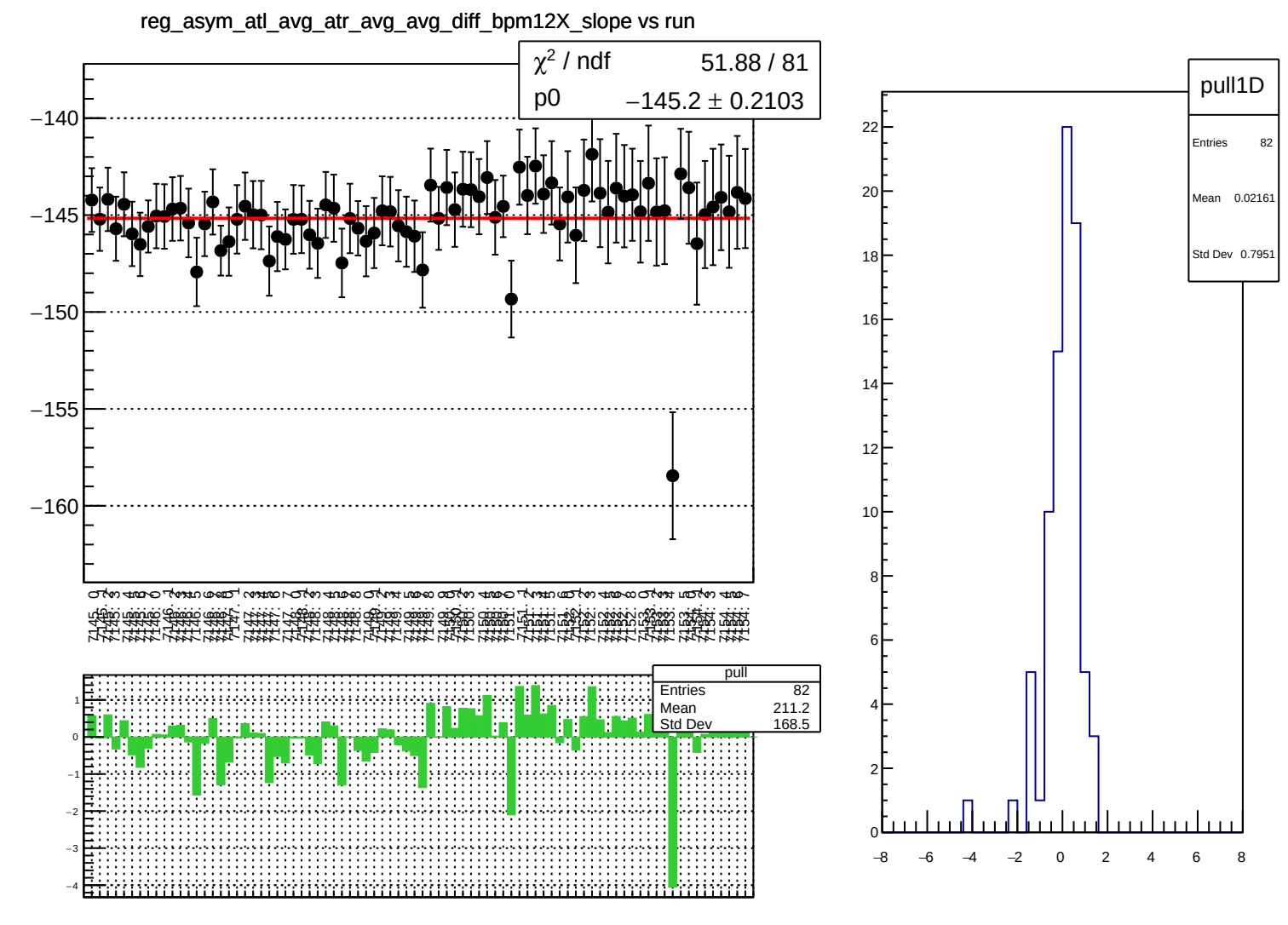

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.42 / 81
p0 −7.612 ± 4.333
pull
Entries 82
Mean 107.9
Std Dev 51.89

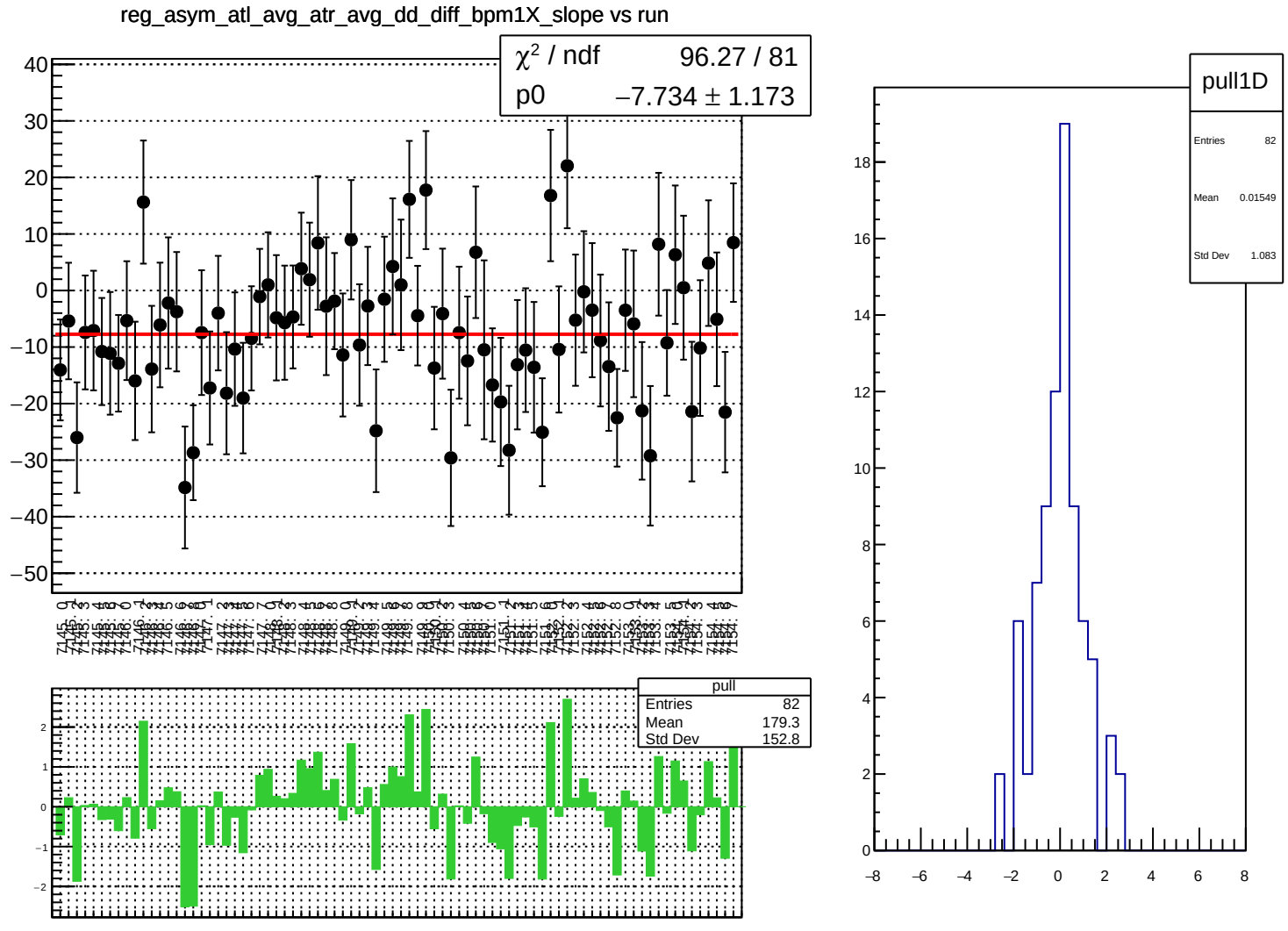

pull1D
Entries 82
Mean −0.0278
Std Dev 0.3721

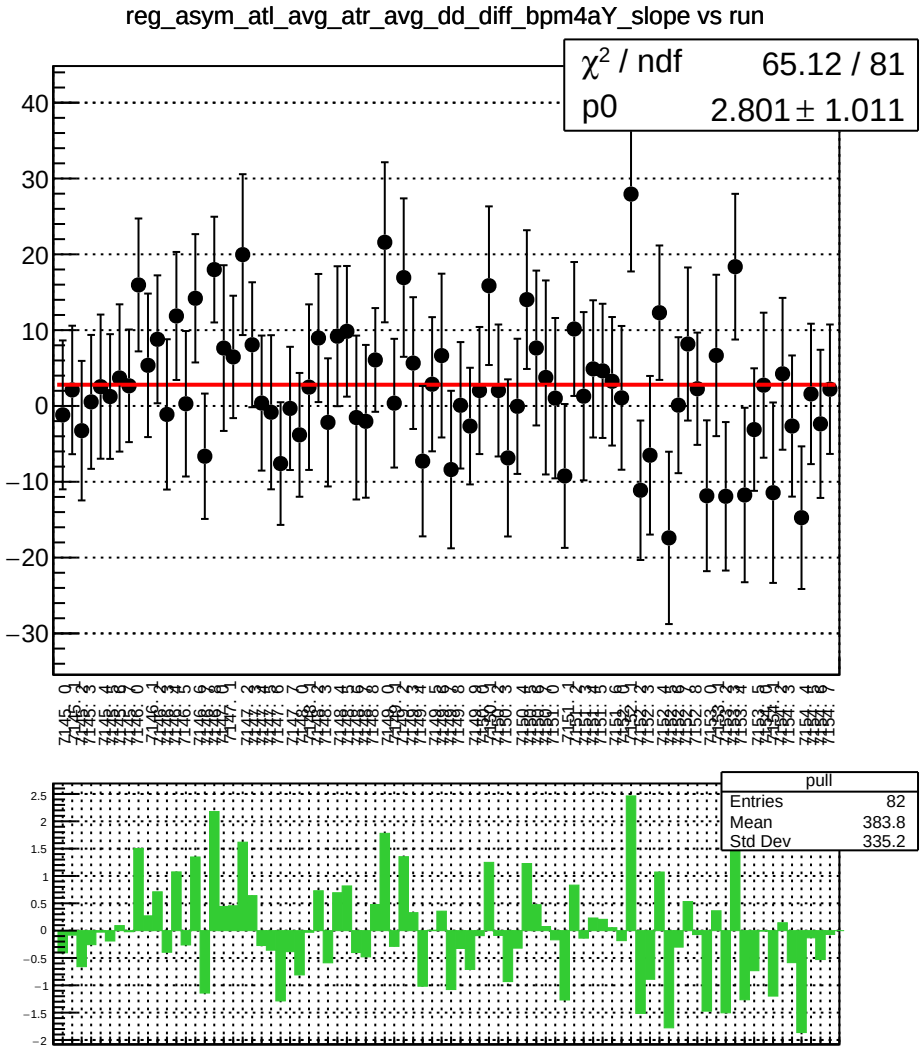

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.59 / 81
p0 192.8 ± 5.143
pull
Entries 82
Mean 80.34
Std Dev 26.86

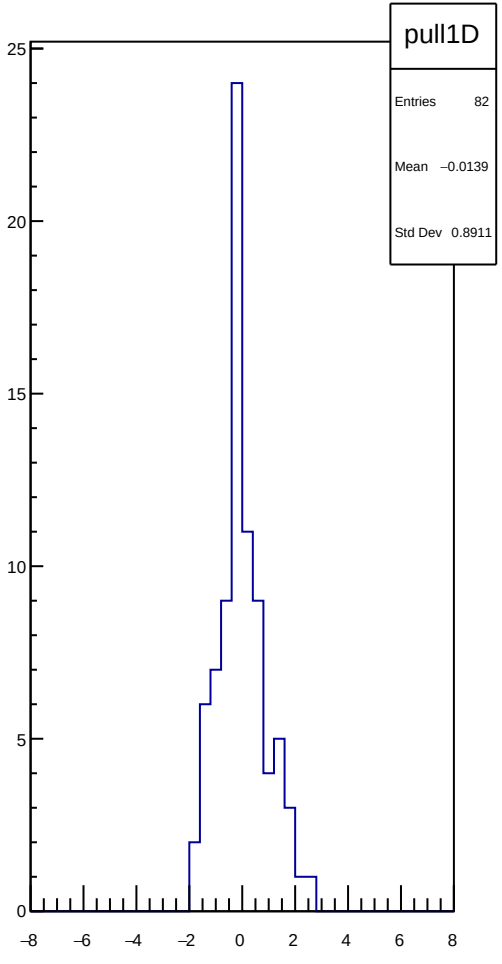

pull1D
Entries 82
Mean 0.04277
Std Dev 0.546

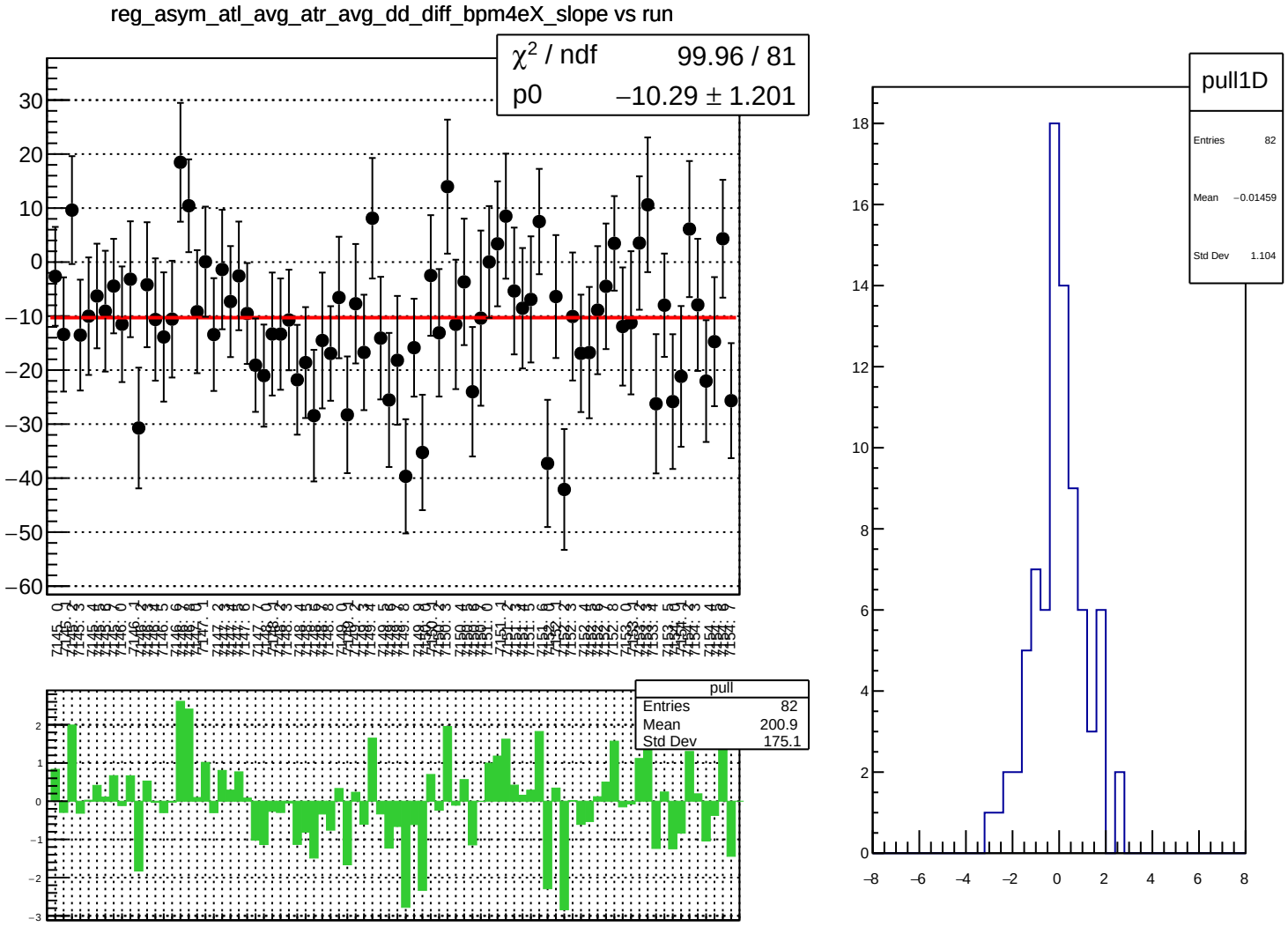

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.39 / 81
p0 78.77 ± 4.71
300
250
200
150
100
50
pull
Entries 82
Mean 126.5
Std Dev 76.52
1.5
1
0.5
0
−0.5
pull1D
Entries 82
Mean 0.04066
Std Dev 0.4169
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

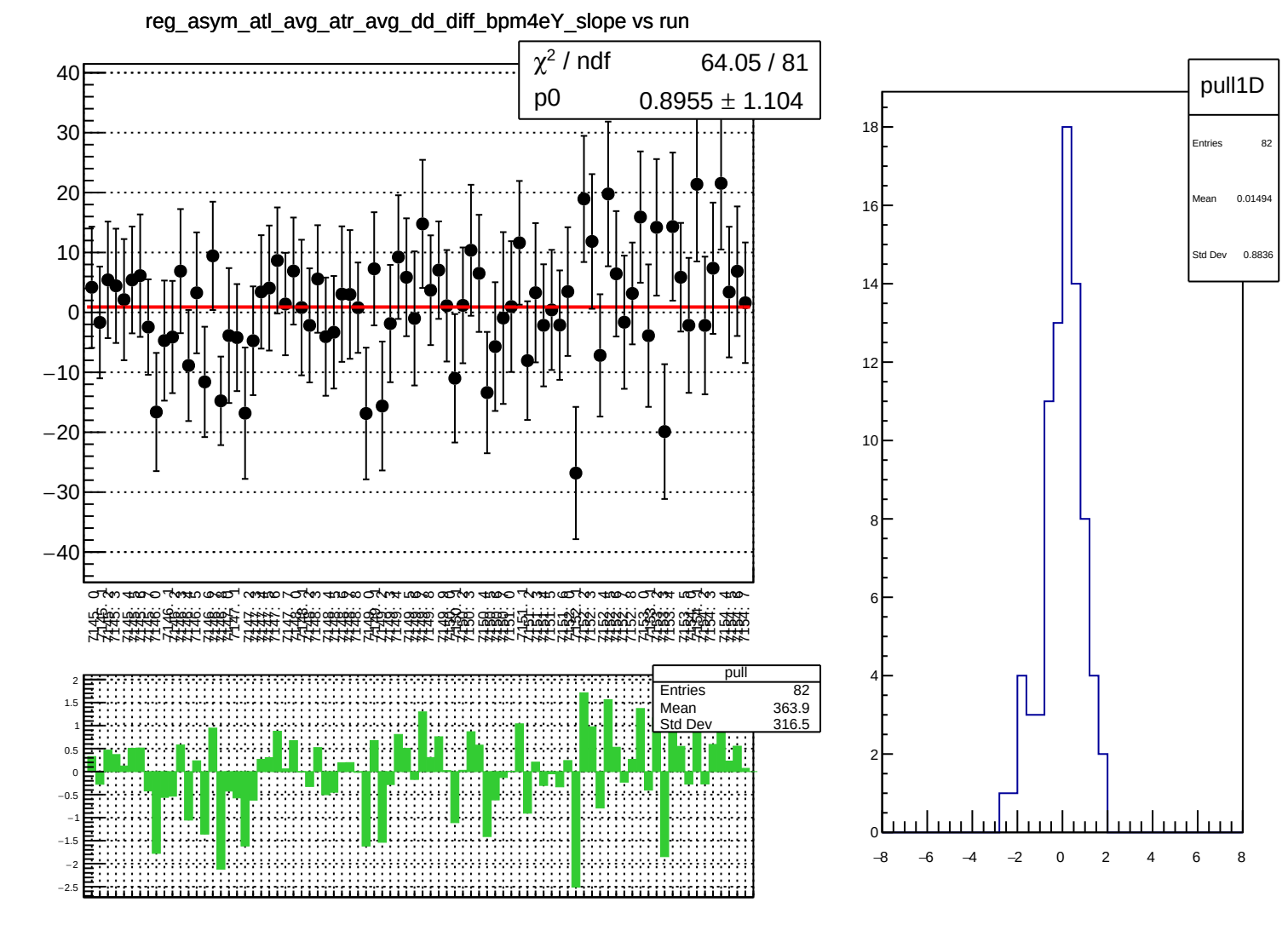

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 51.88 / 81
p0 −145.2 ± 0.2103
−140
−145
−150
−155
−160
pull
Entries 82
Mean 211.2
Std Dev 168.5
pull1D
Entries 82
Mean 0.02161
Std Dev 0.7951

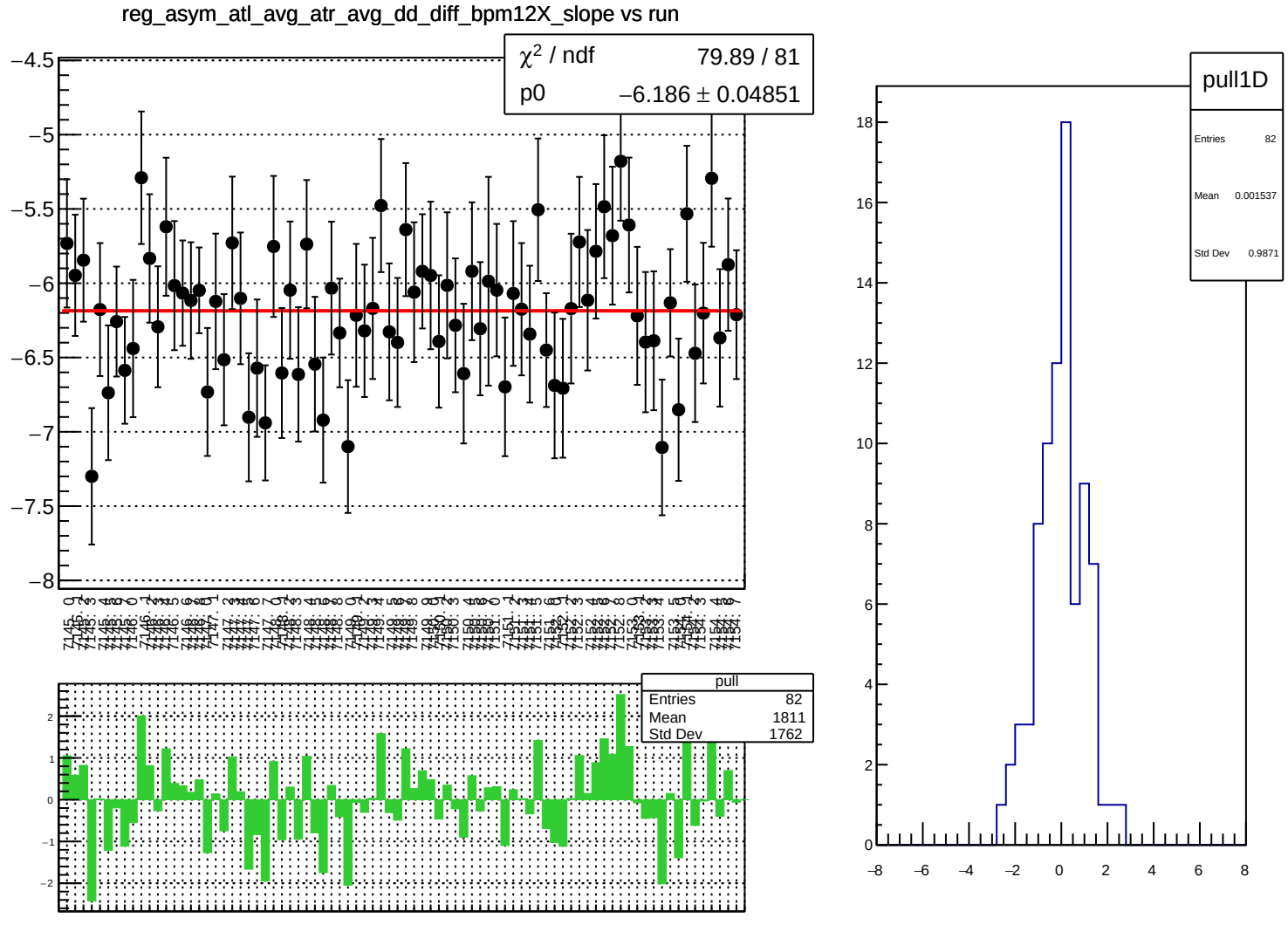

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 96.27 / 81
p0 −7.734 ± 1.173
pull
Entries 82
Mean 179.3
Std Dev 152.8
pull1D
Entries 82
Mean 0.01549
Std Dev 1.083

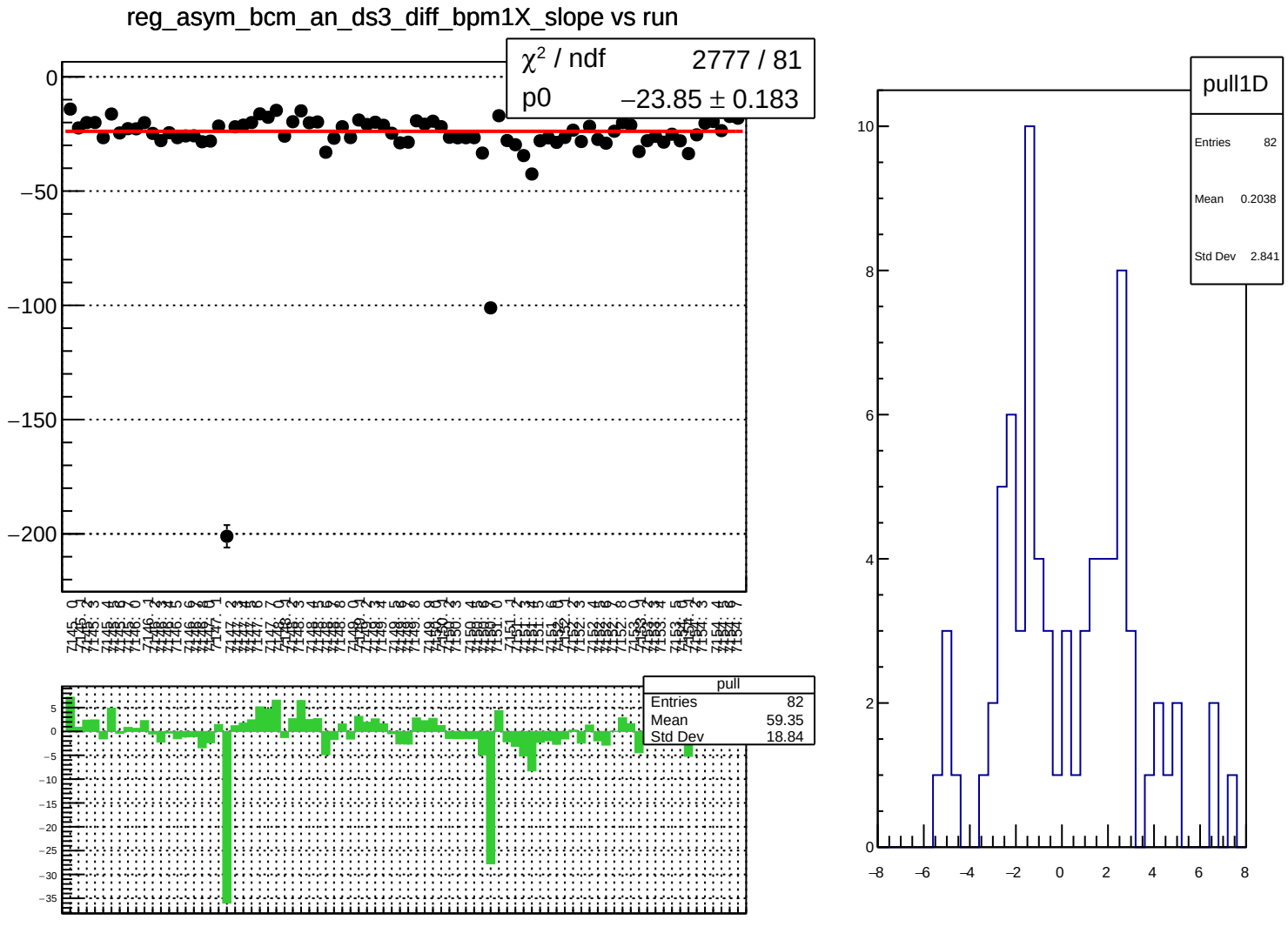

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.12 / 81
p0 2.801 ± 1.011
pull
Entries 82
Mean 383.8
Std Dev 335.2

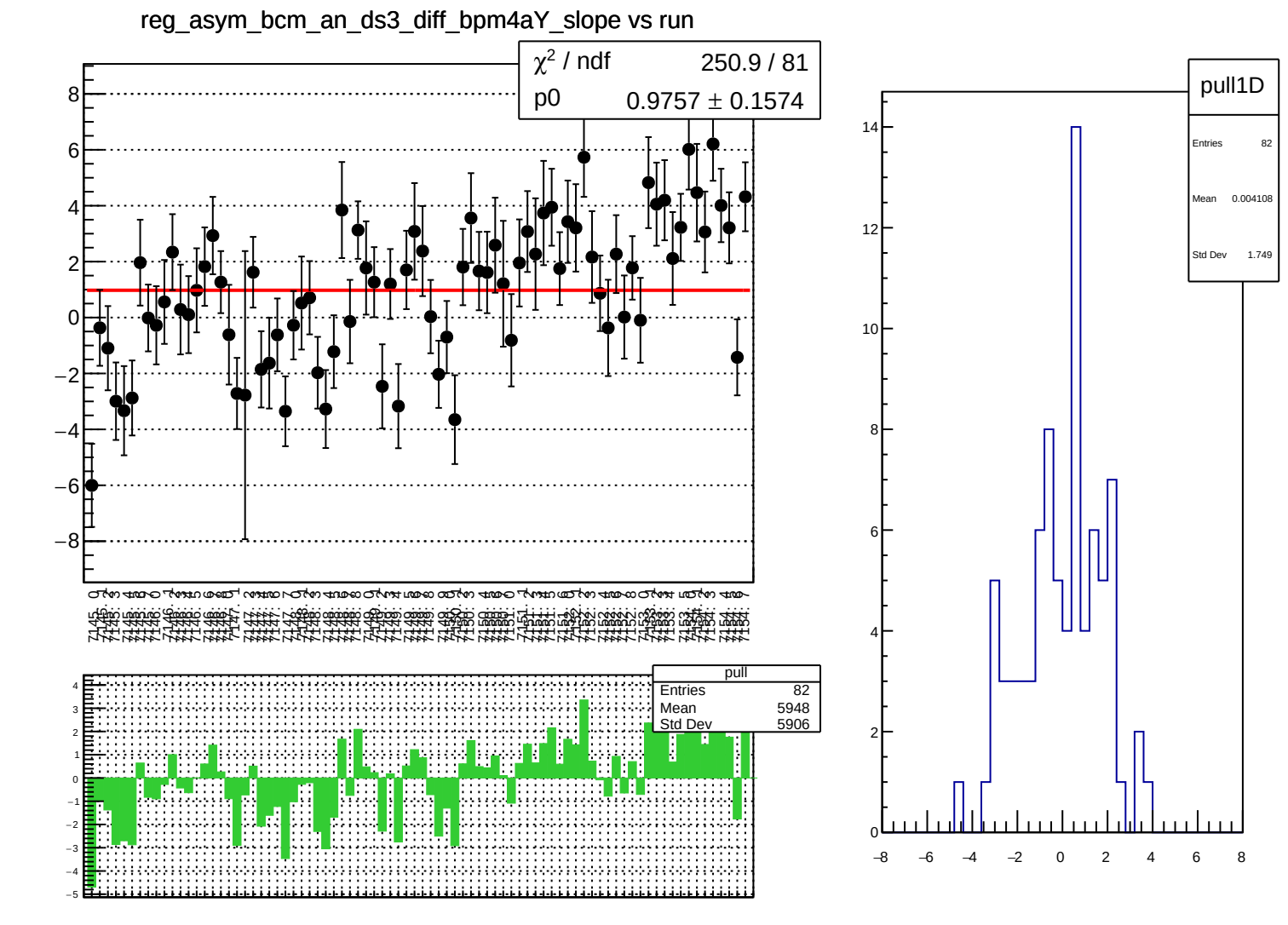

pull1D
Entries 82
Mean −0.0139
Std Dev 0.8911

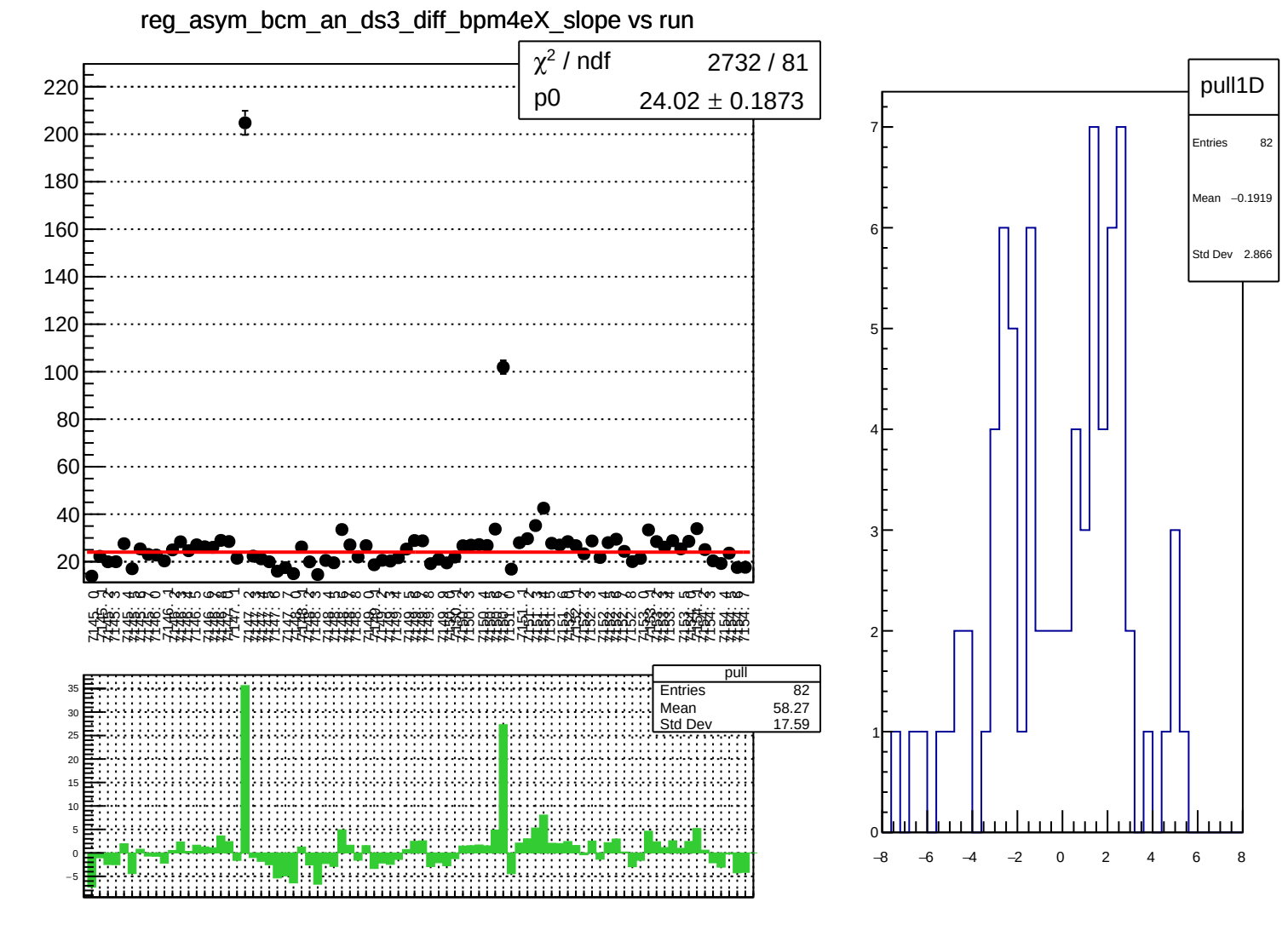

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.96 / 81
p0 −10.29 ± 1.201
pull
Entries 82
Mean 200.9
Std Dev 175.1
pull1D
Entries 82
Mean −0.01459
Std Dev 1.104

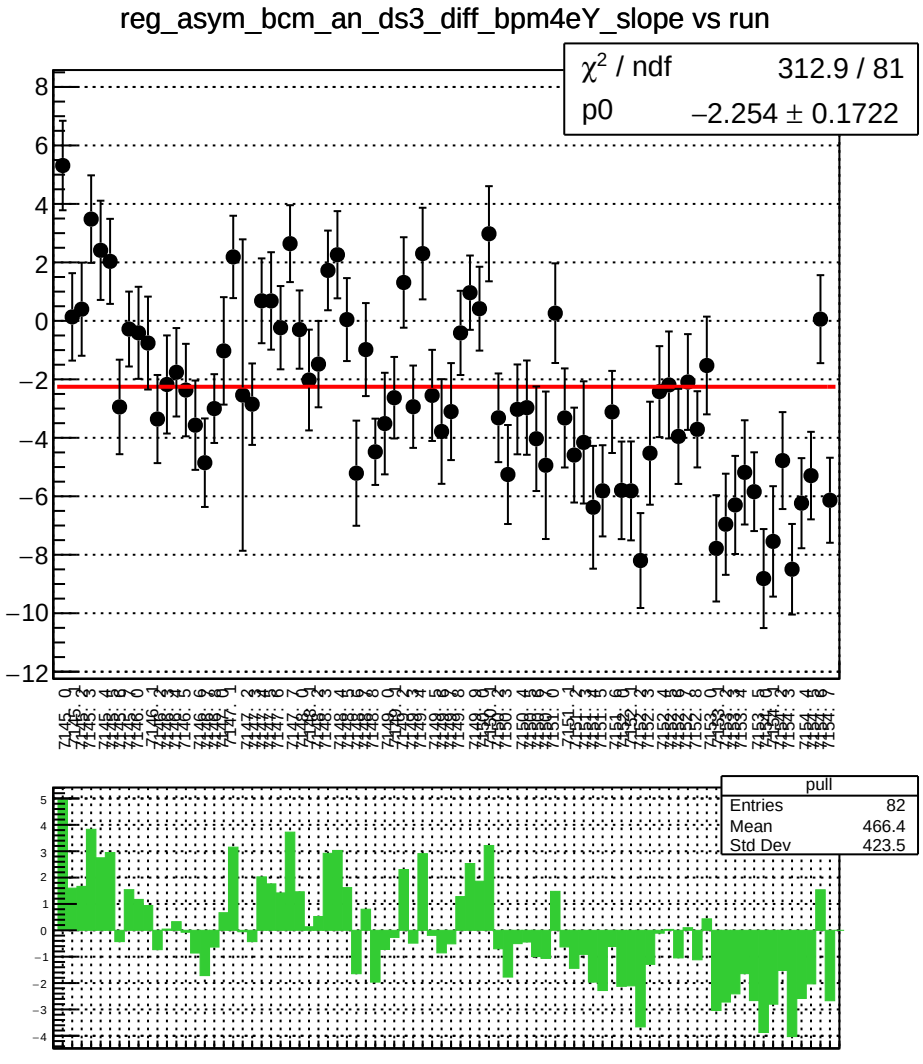

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.05 / 81
p0 0.8955 ± 1.104
pull
Entries 82
Mean 363.9
Std Dev 316.5
pull1D
Entries 82
Mean 0.01494
Std Dev 0.8836

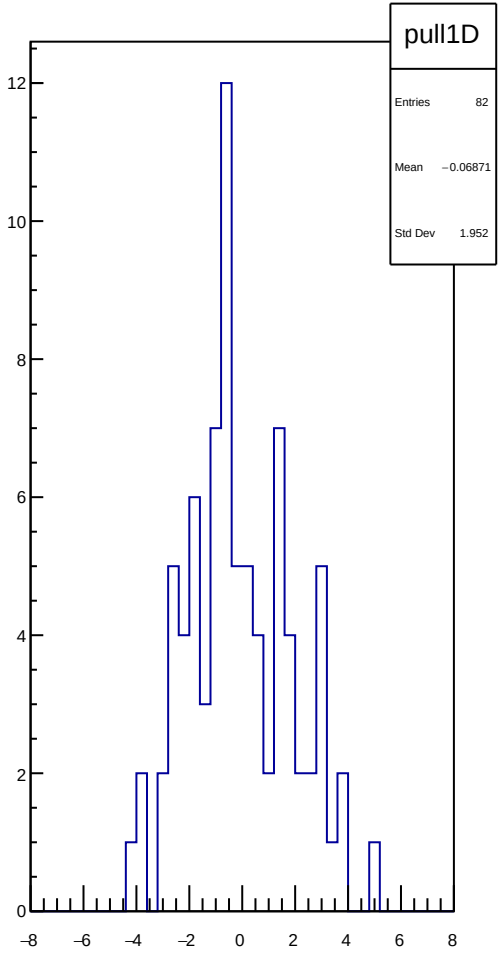

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 79.89 / 81
p0 −6.186 ± 0.04851
pull
Entries 82
Mean 1811
Std Dev 1762
pull1D
Entries 82
Mean 0.001537
Std Dev 0.9871

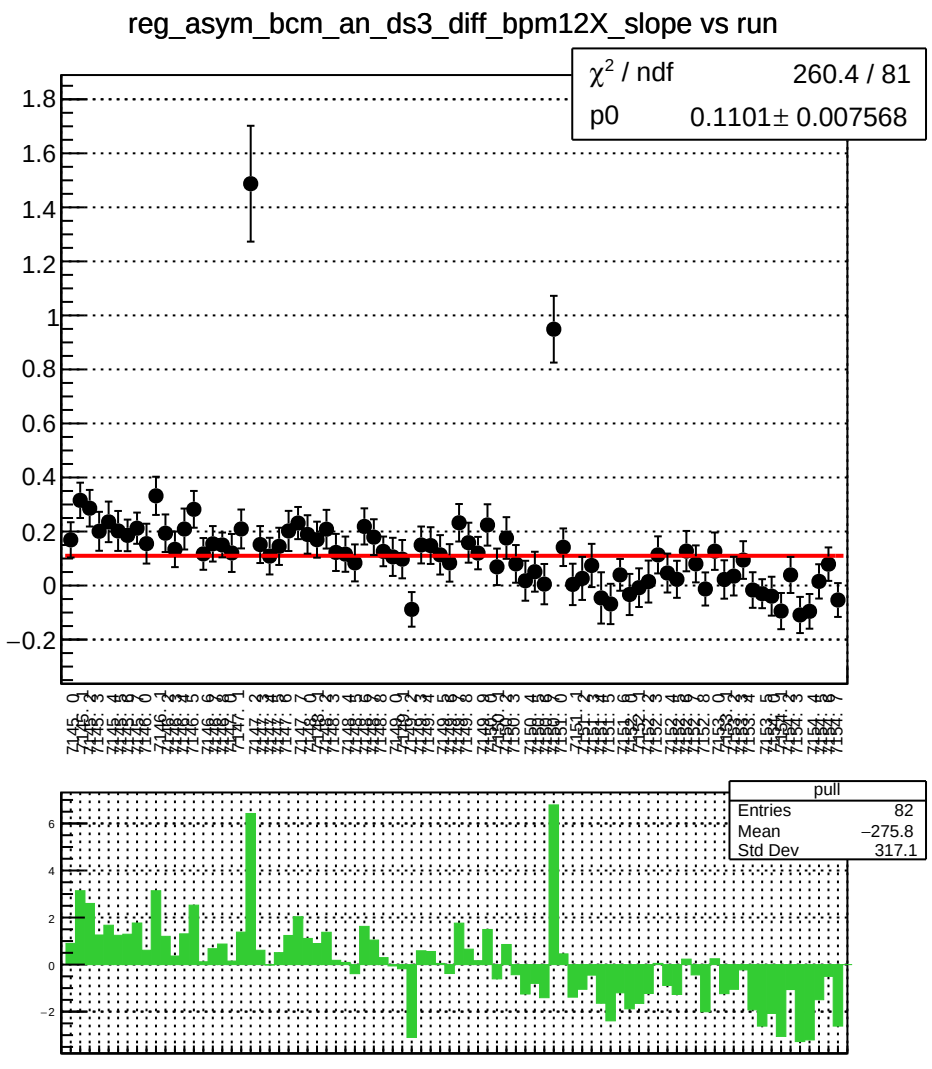

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2777 / 81
p0 −23.85 ± 0.183
pull
Entries 82
Mean 59.35
Std Dev 18.84
pull1D
Entries 82
Mean 0.2038
Std Dev 2.841

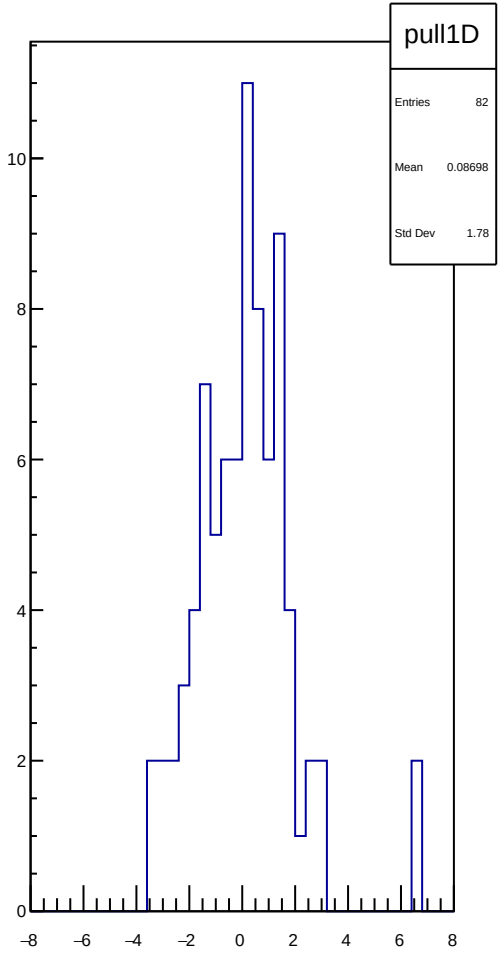

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 250.9 / 81
p0 0.9757 ± 0.1574
pull
Entries 82
Mean 5948
Std Dev 5906
pull1D
Entries 82
Mean 0.004108
Std Dev 1.749

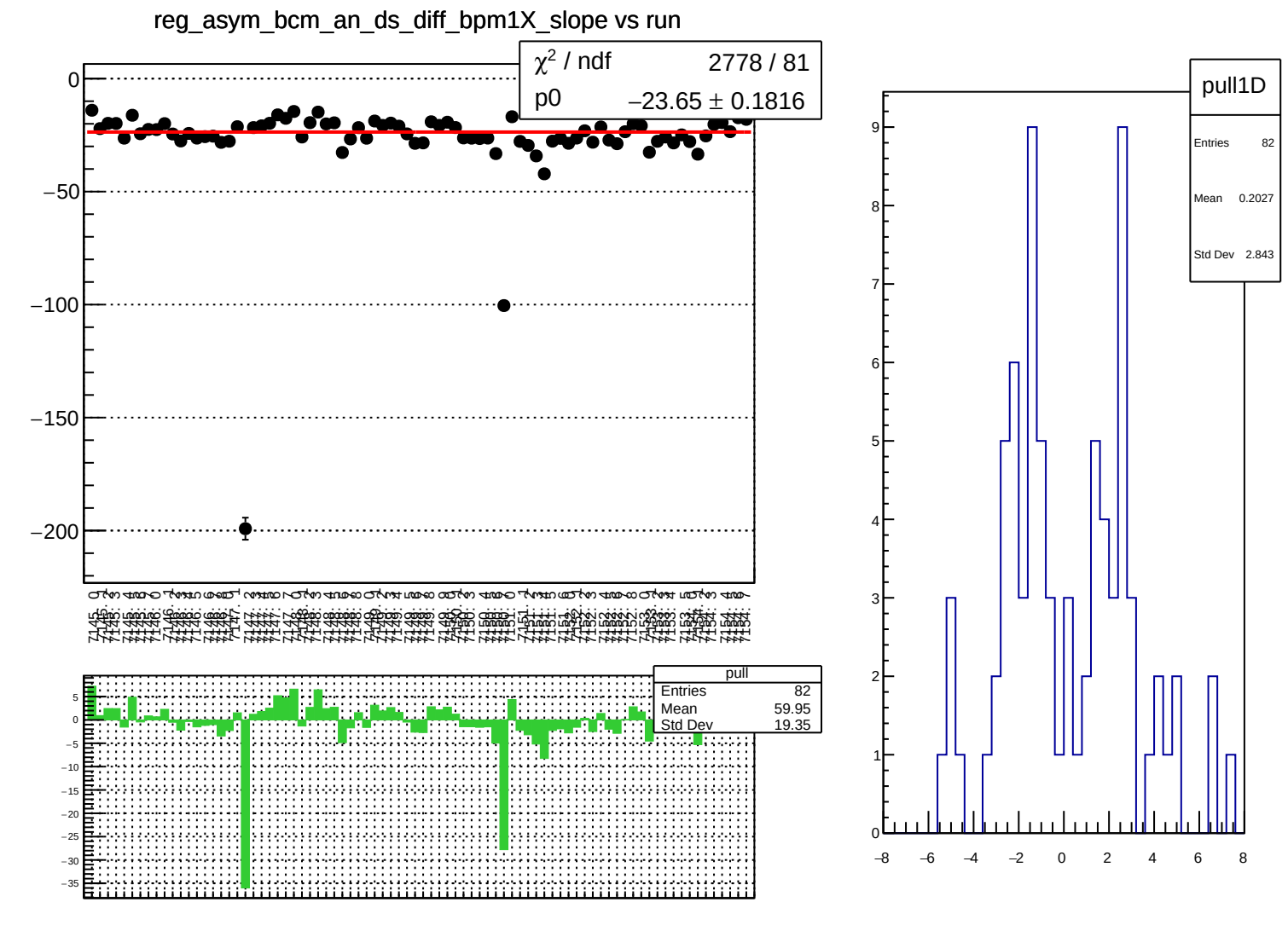

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2732 / 81
p0 24.02 ± 0.1873
pull
Entries 82
Mean 58.27
Std Dev 17.59
pull1D
Entries 82
Mean −0.1919
Std Dev 2.866

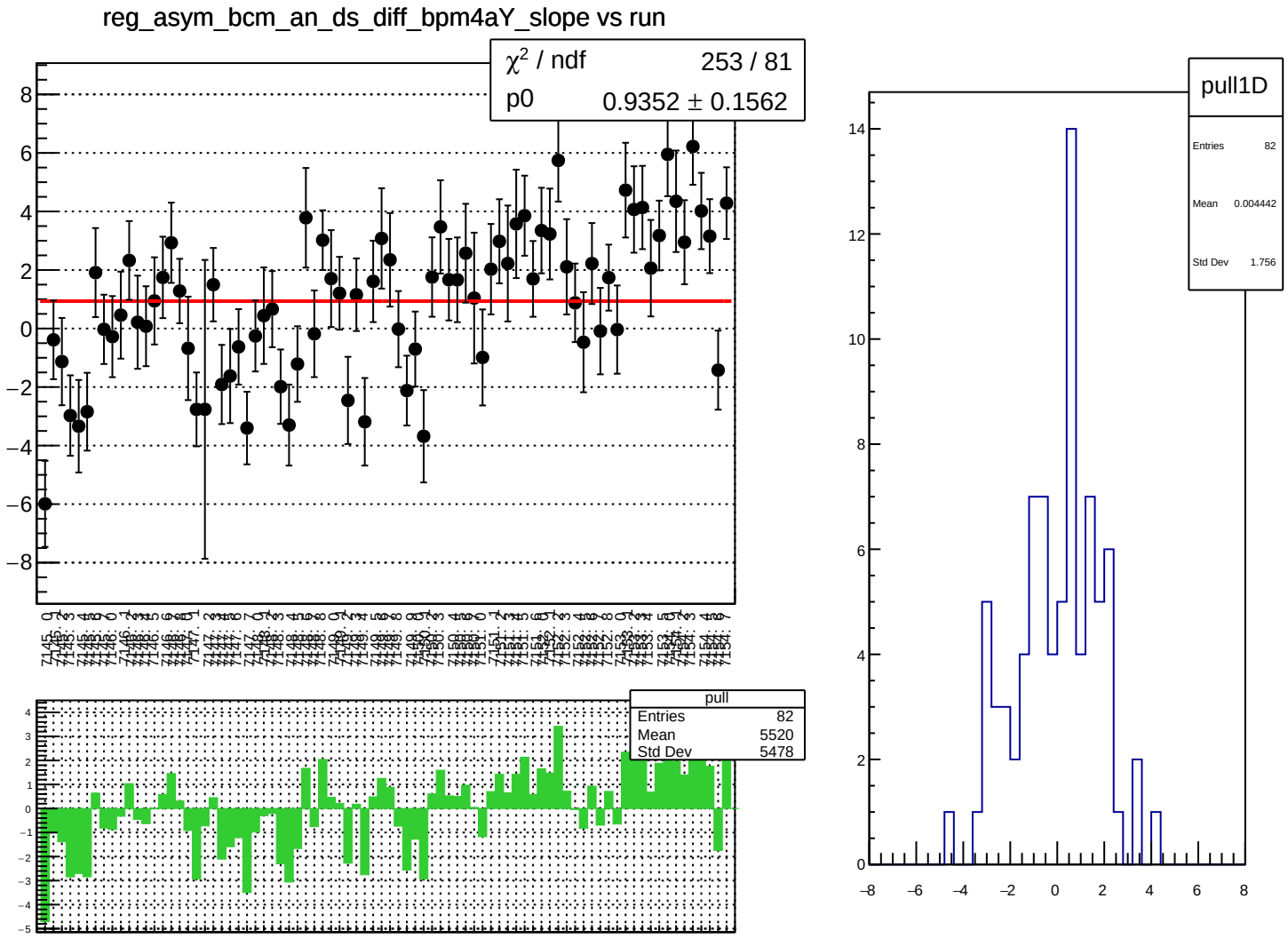

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 312.9 / 81
p0 −2.254 ± 0.1722
pull
Entries 82
Mean 466.4
Std Dev 423.5

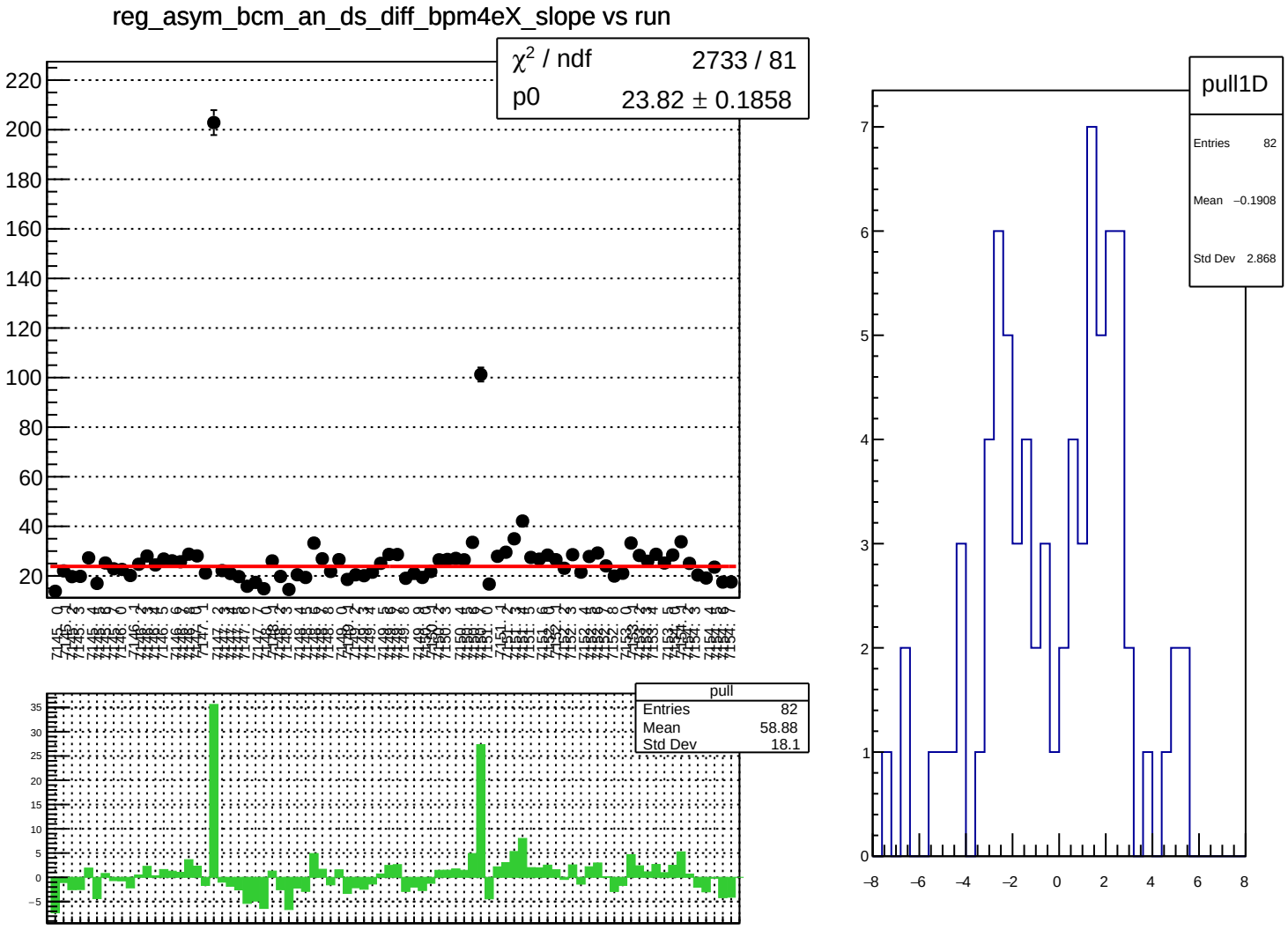

pull1D
Entries 82
Mean −0.06871
Std Dev 1.952

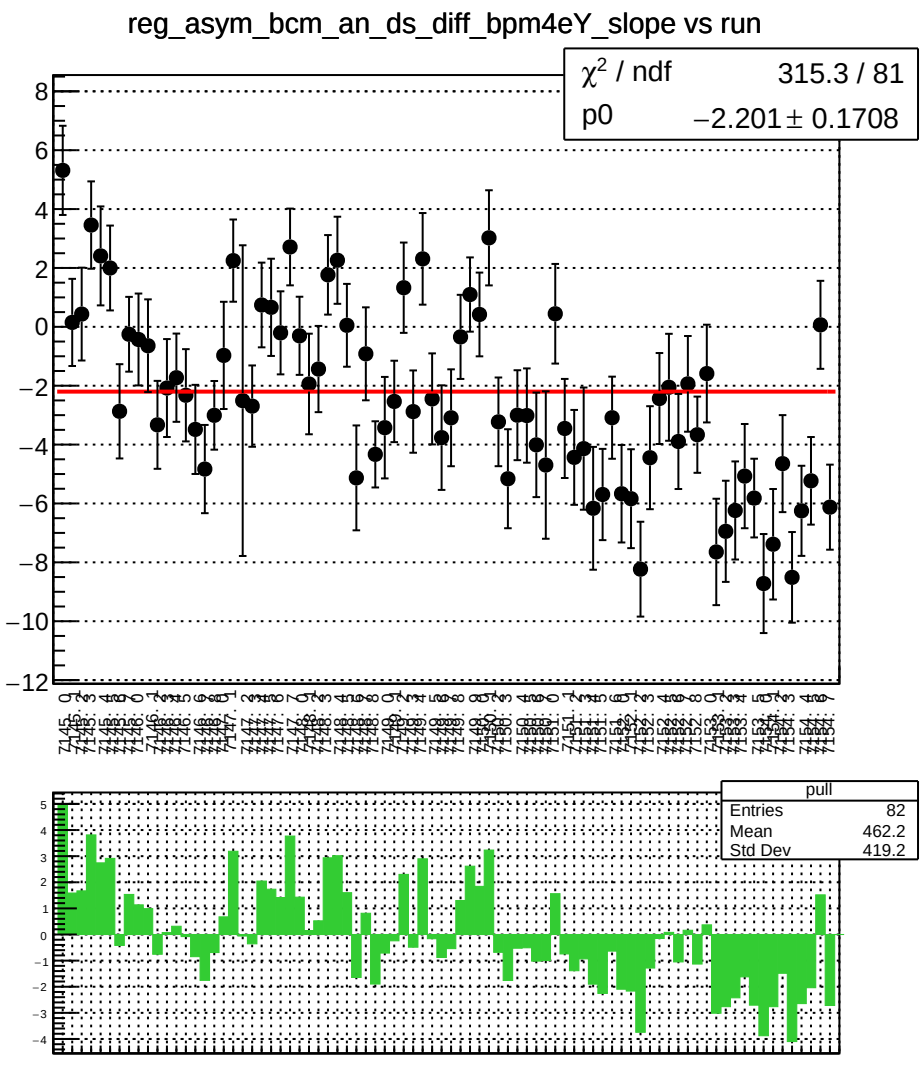

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 260.4 / 81
p0 0.1101± 0.007568
pull
Entries 82
Mean −275.8
Std Dev 317.1

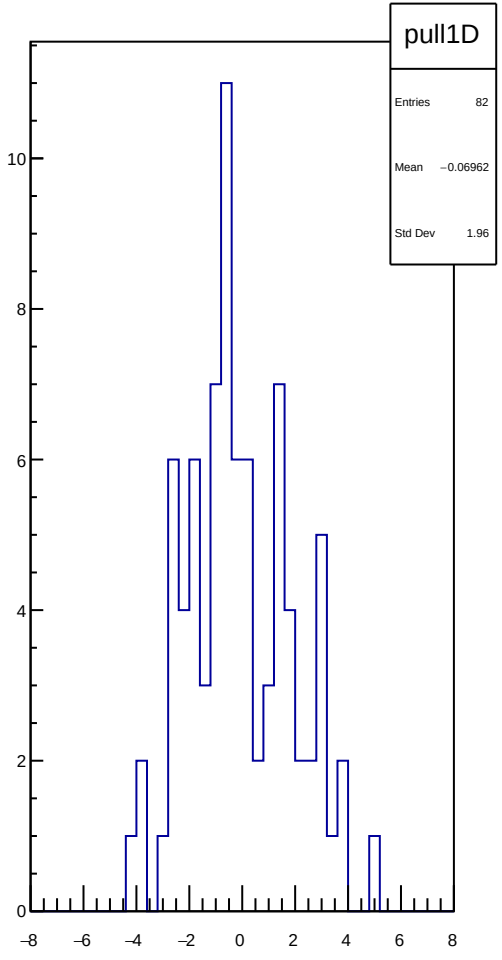

pull1D
Entries 82
Mean 0.08698
Std Dev 1.78

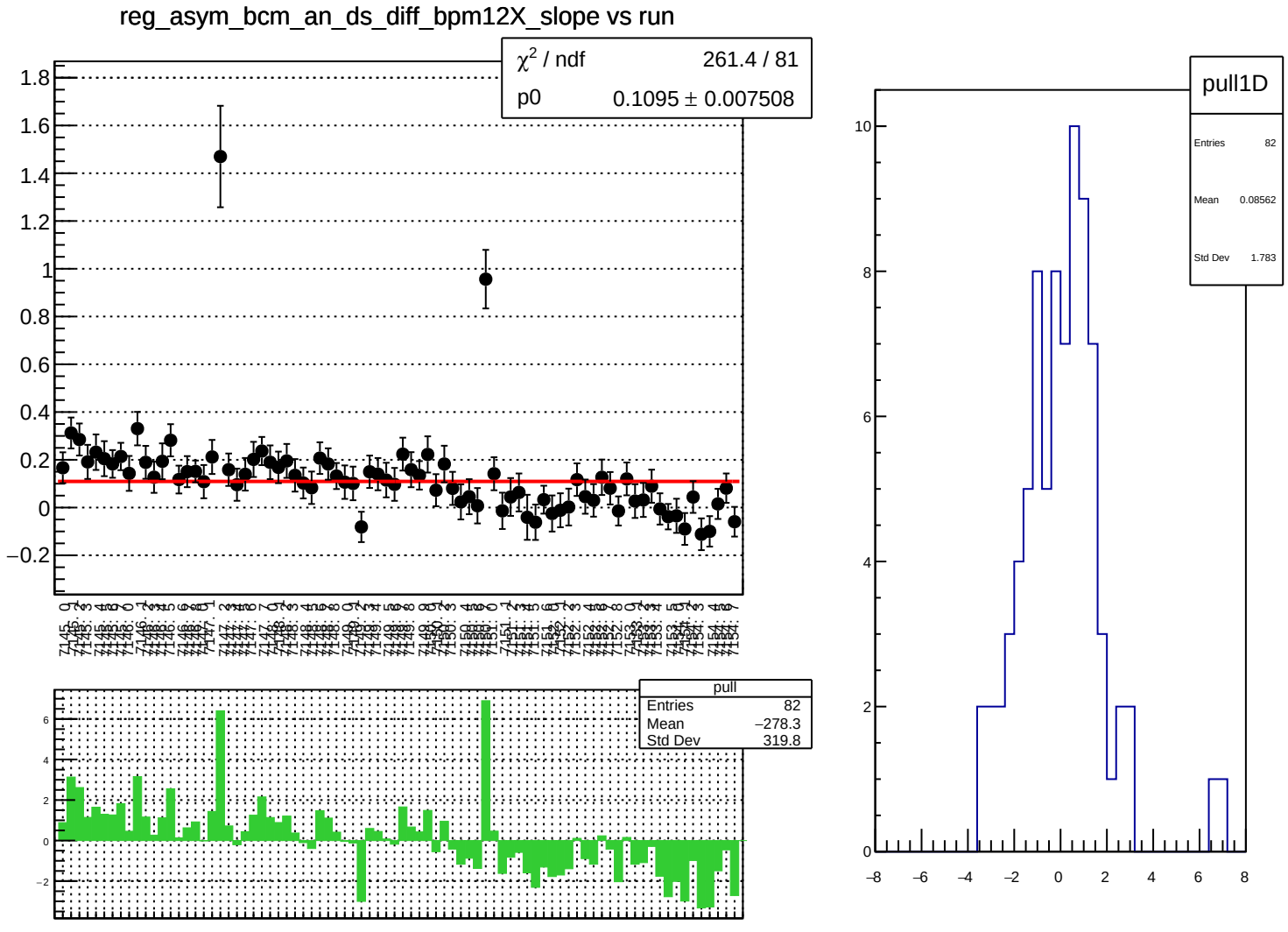

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2778 / 81
p0 −23.65 ± 0.1816
pull
Entries 82
Mean 59.95
Std Dev 19.35
pull1D
Entries 82
Mean 0.2027
Std Dev 2.843

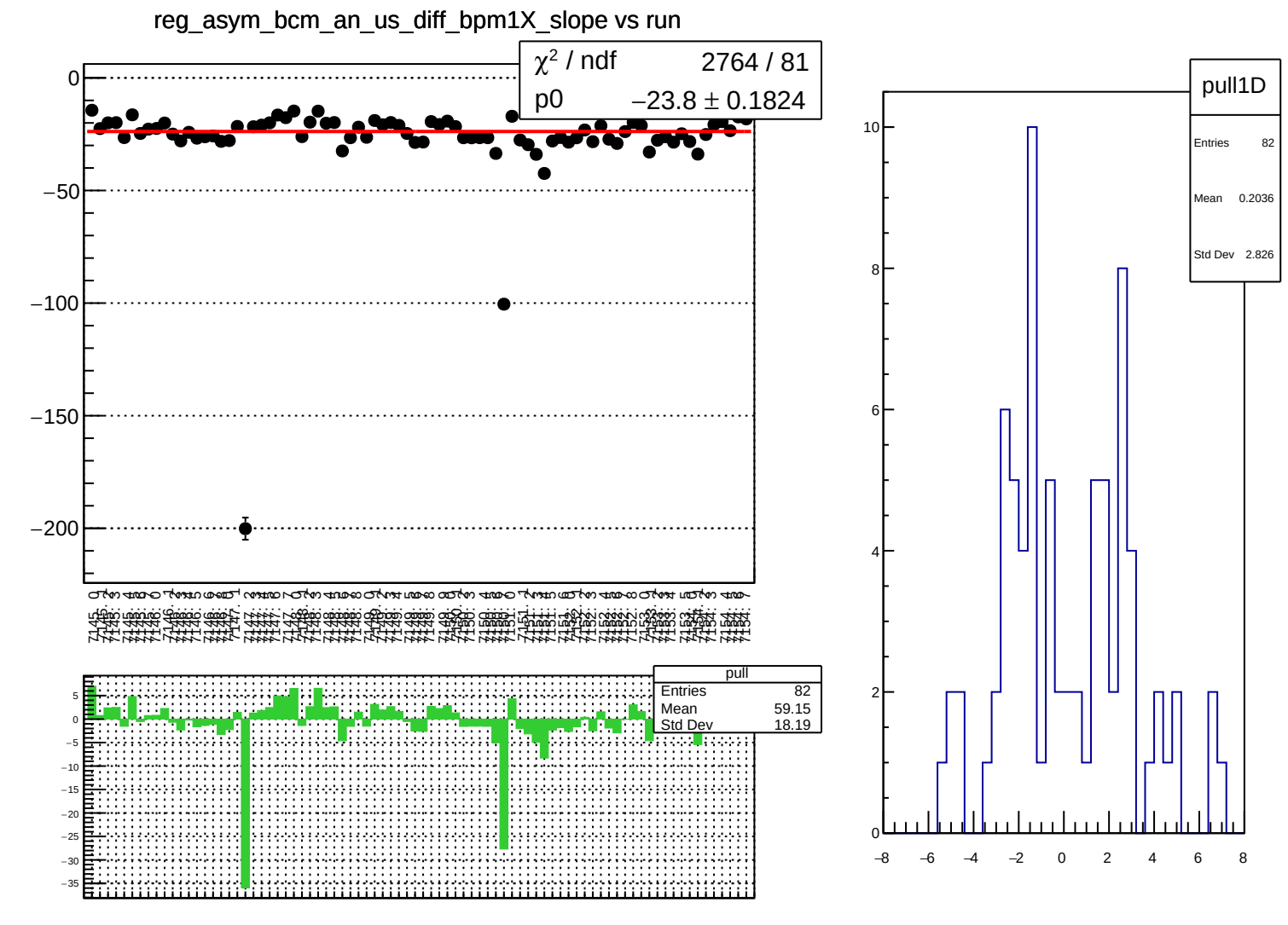

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 253 / 81
p0 0.9352 ± 0.1562
pull
Entries 82
Mean 5520
Std Dev 5478
pull1D
Entries 82
Mean 0.004442
Std Dev 1.756

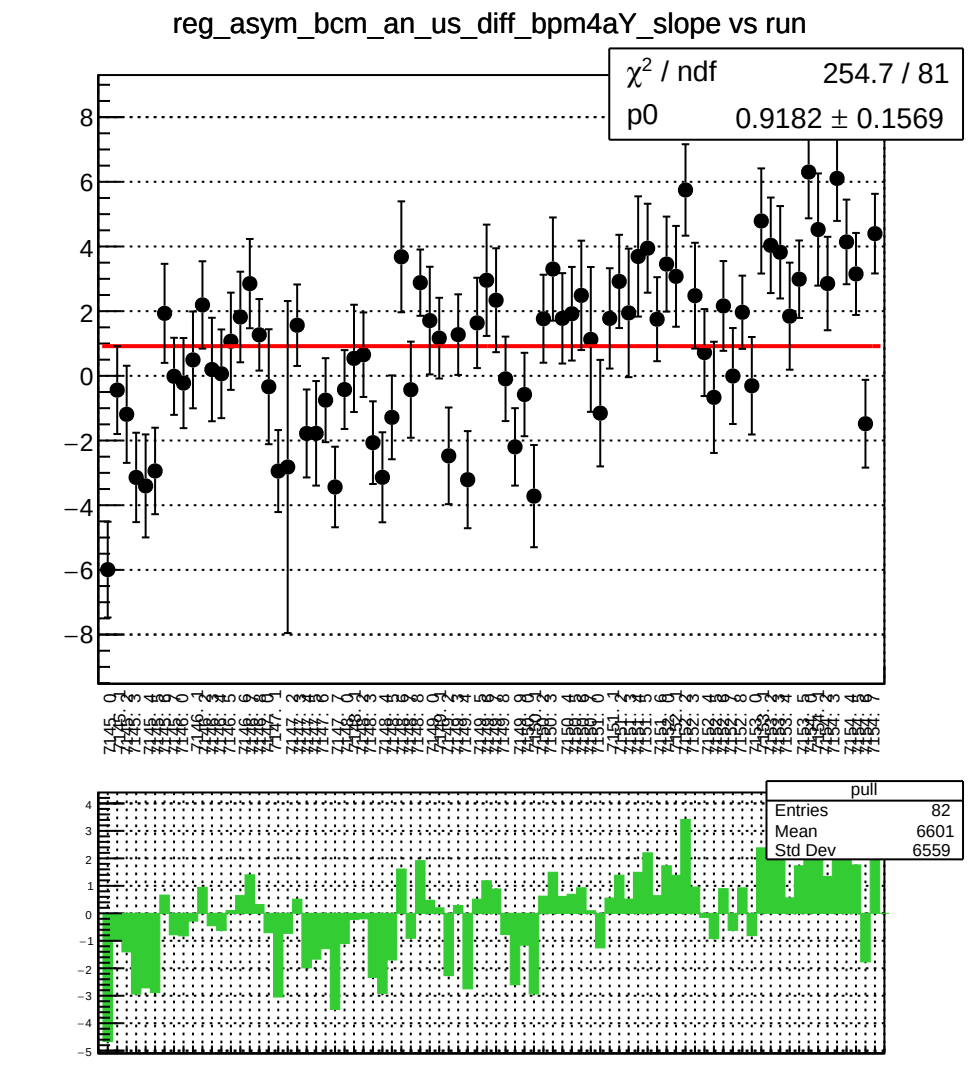

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2733 / 81
p0 23.82 ± 0.1858
pull
Entries 82
Mean 58.88
Std Dev 18.1
pull1D
Entries 82
Mean −0.1908
Std Dev 2.868

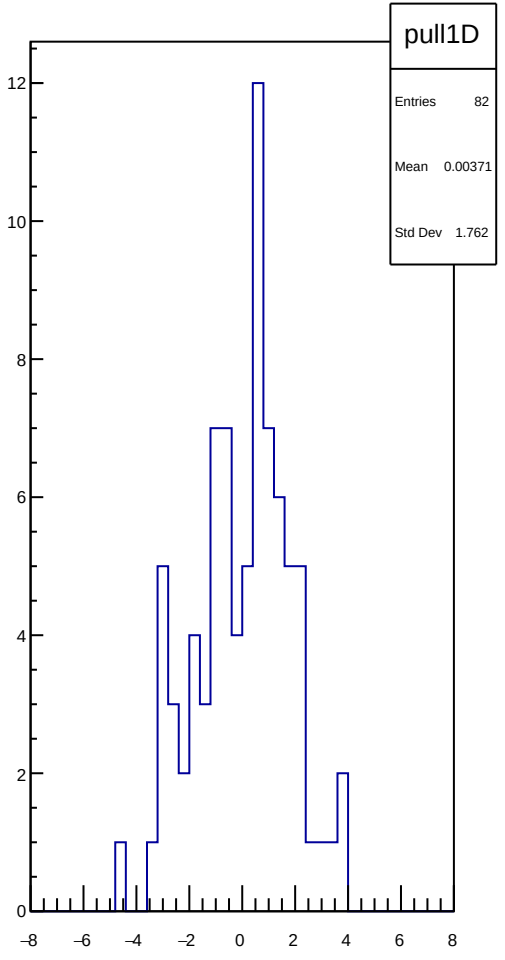

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 315.3 / 81
p0 −2.201 ± 0.1708
pull
Entries 82
Mean 462.2
Std Dev 419.2

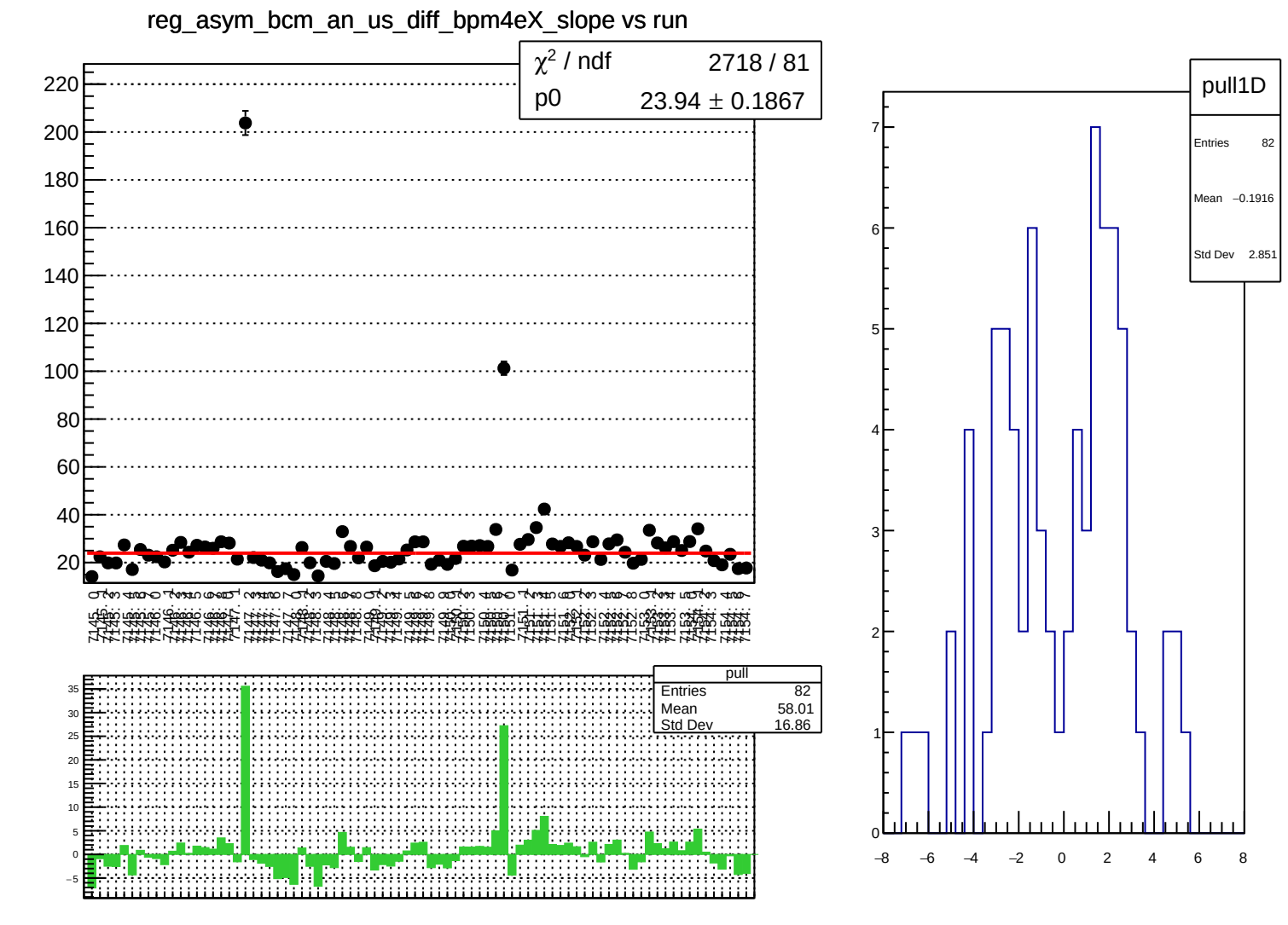

pull1D
Entries 82
Mean −0.06962
Std Dev 1.96

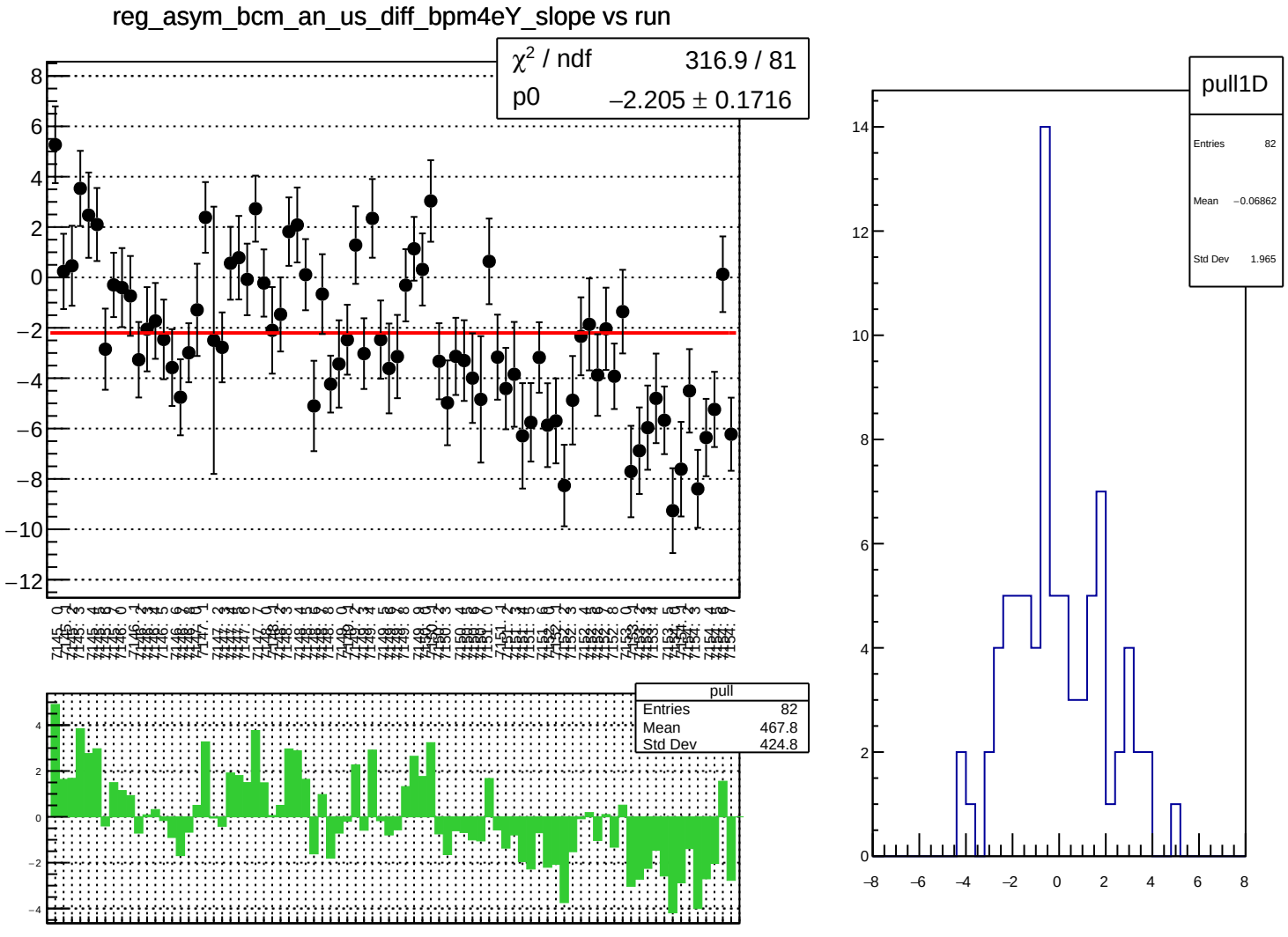

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 261.4 / 81
p0 0.1095 ± 0.007508
pull
Entries 82
Mean −278.3
Std Dev 319.8
pull1D
Entries 82
Mean 0.08562
Std Dev 1.783

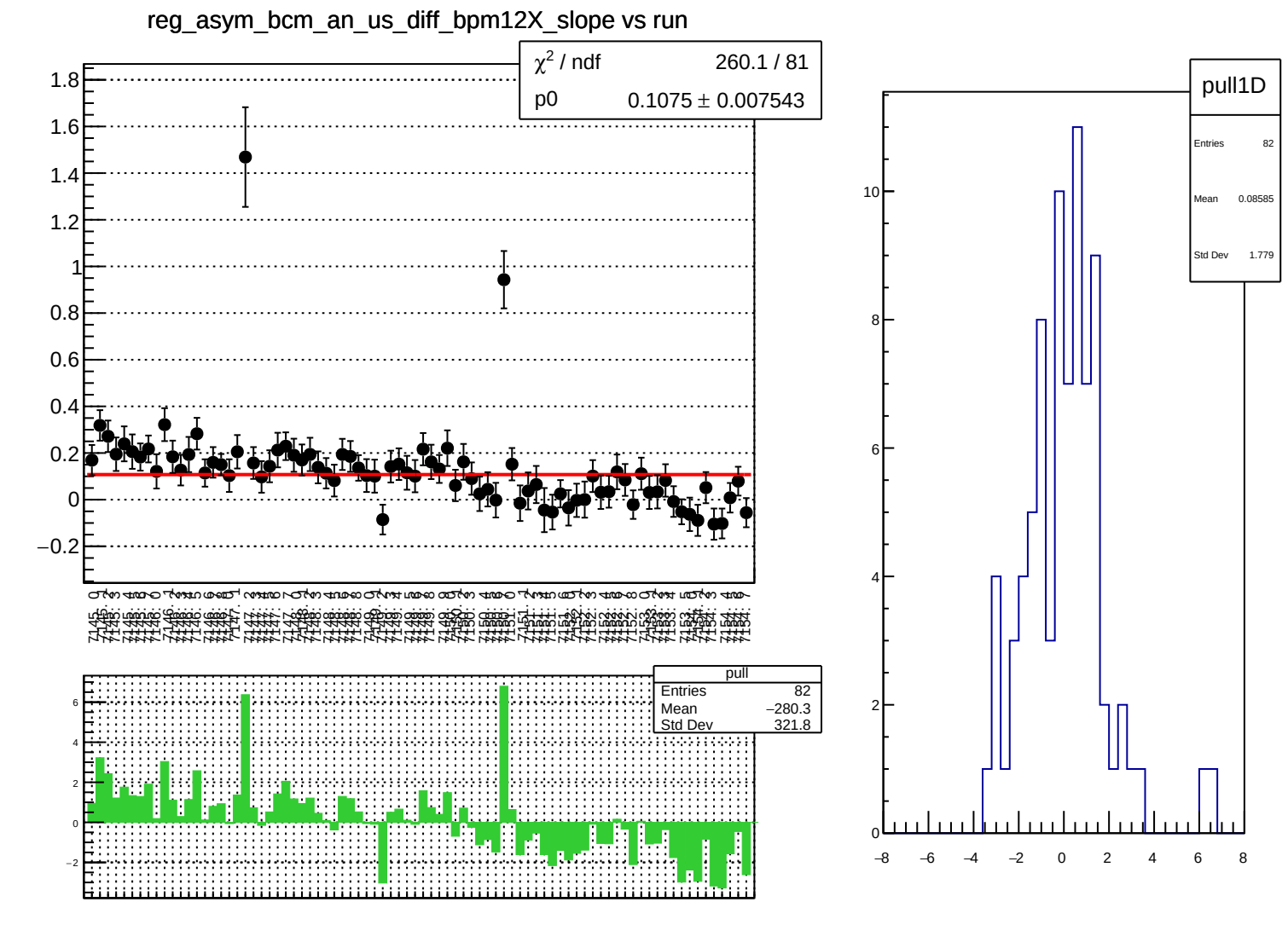

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2764 / 81
p0 −23.8 ± 0.1824
pull
Entries 82
Mean 59.15
Std Dev 18.19
pull1D
Entries 82
Mean 0.2036
Std Dev 2.826

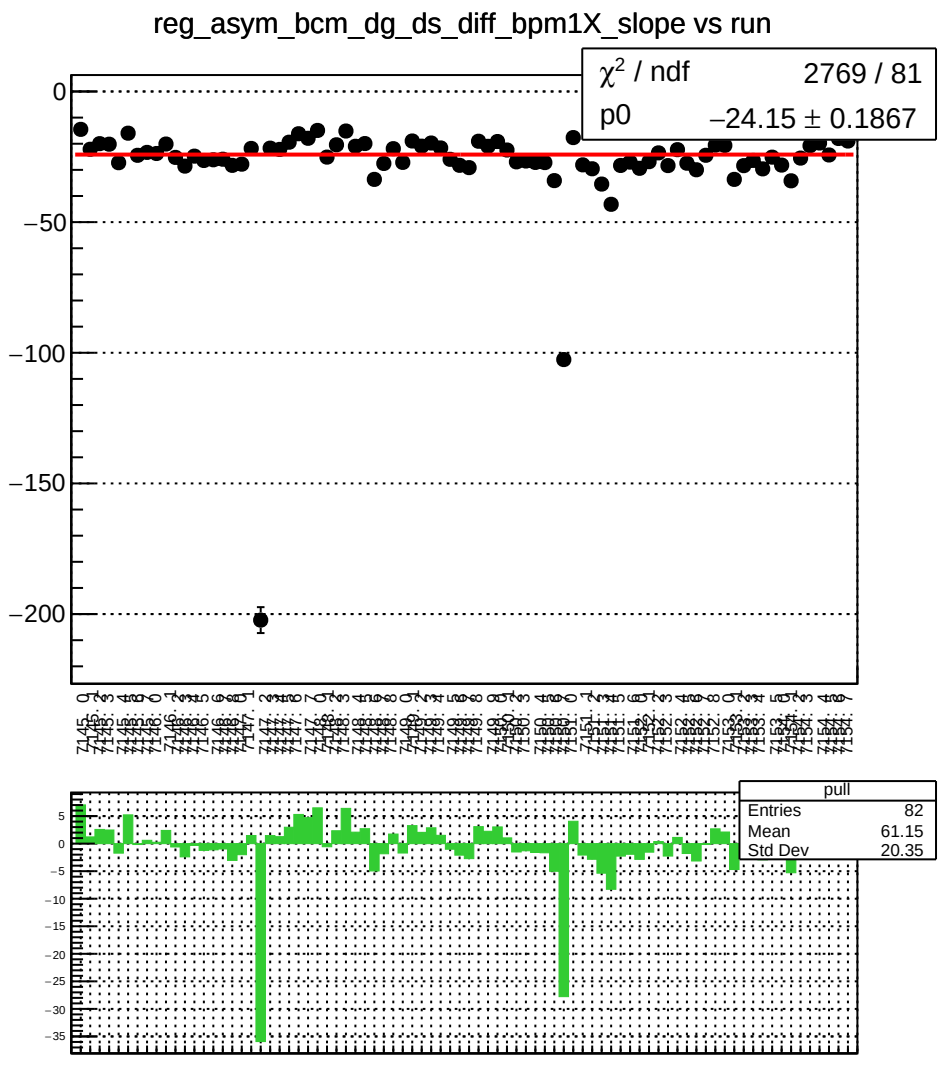

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 254.7 / 81
p0 0.9182 ± 0.1569
pull
Entries 82
Mean 6601
Std Dev 6559

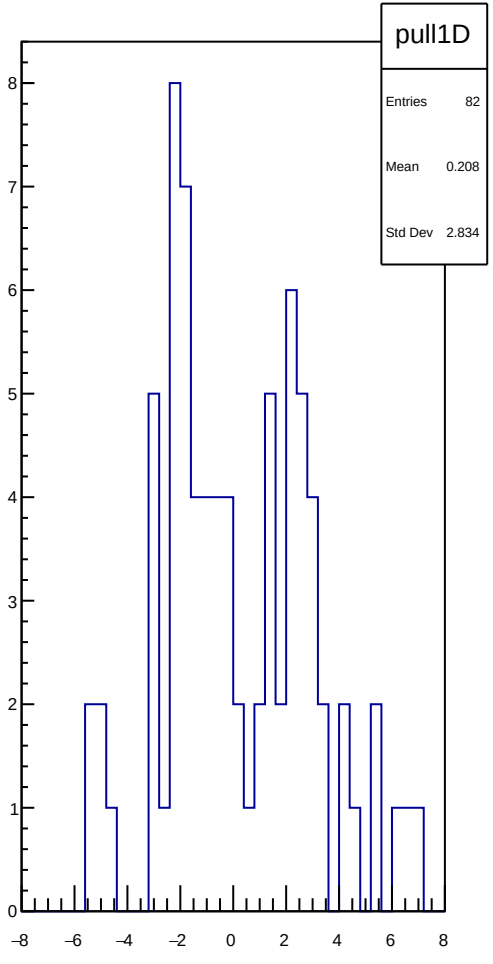

pull1D
Entries 82
Mean 0.00371
Std Dev 1.762

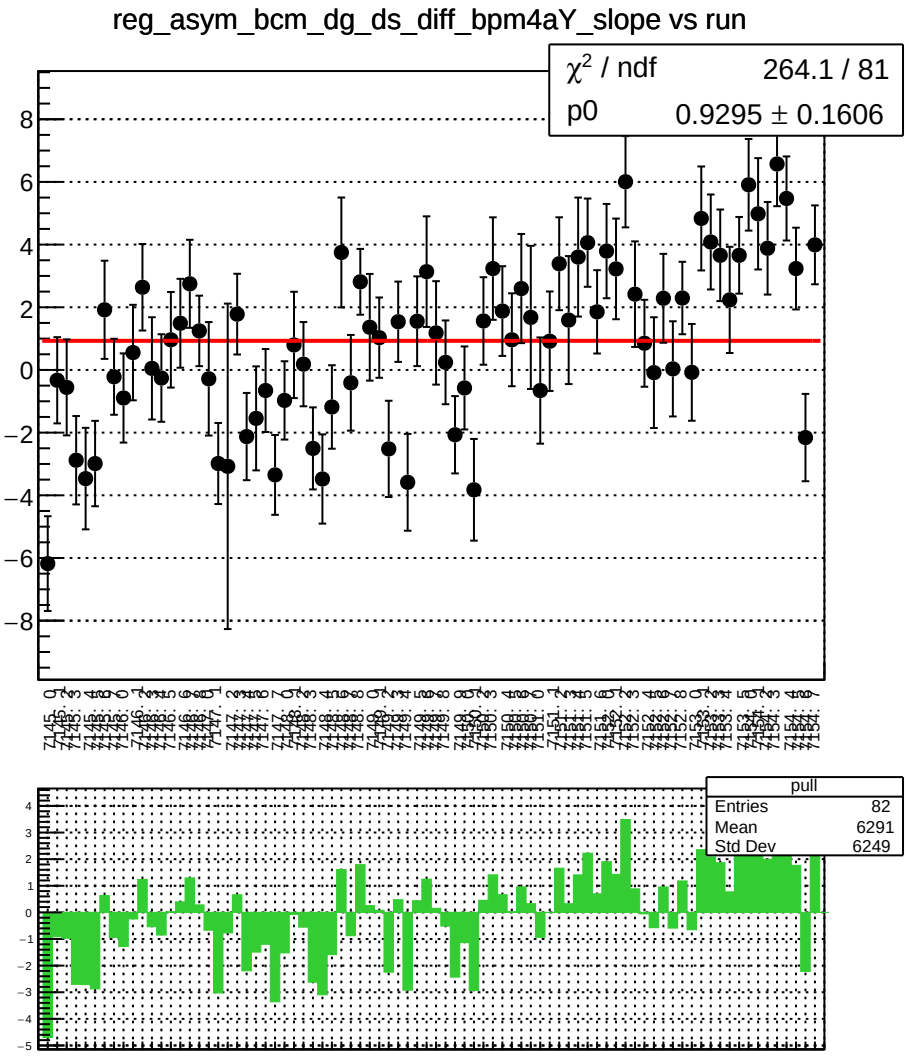

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2718 / 81
p0 23.94 ± 0.1867
pull
Entries 82
Mean 58.01
Std Dev 16.86
pull1D
Entries 82
Mean −0.1916
Std Dev 2.851

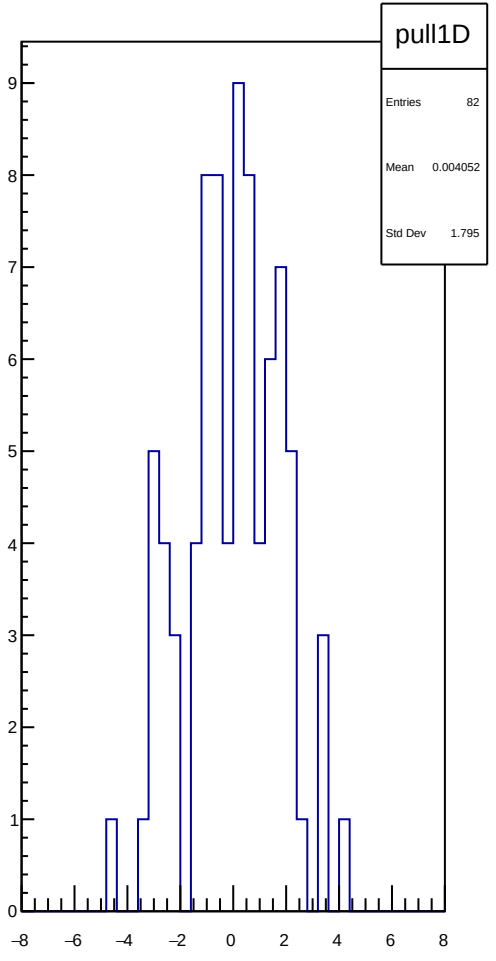

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 316.9 / 81
p0 −2.205 ± 0.1716
pull
Entries 82
Mean 467.8
Std Dev 424.8
pull1D
Entries 82
Mean −0.06862
Std Dev 1.965

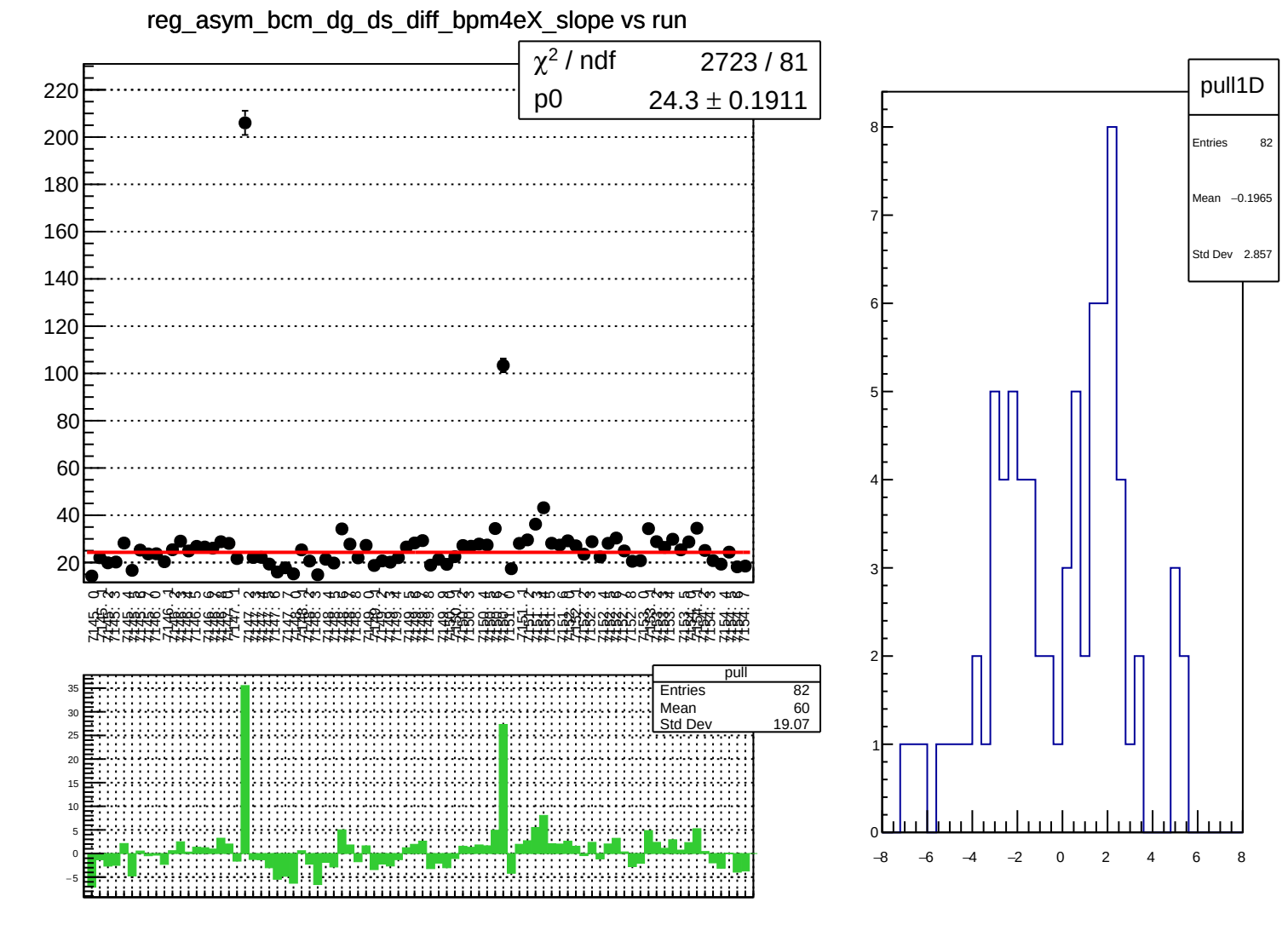

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 260.1 / 81
p0 0.1075 ± 0.007543
pull
Entries 82
Mean −280.3
Std Dev 321.8
pull1D
Entries 82
Mean 0.08585
Std Dev 1.779

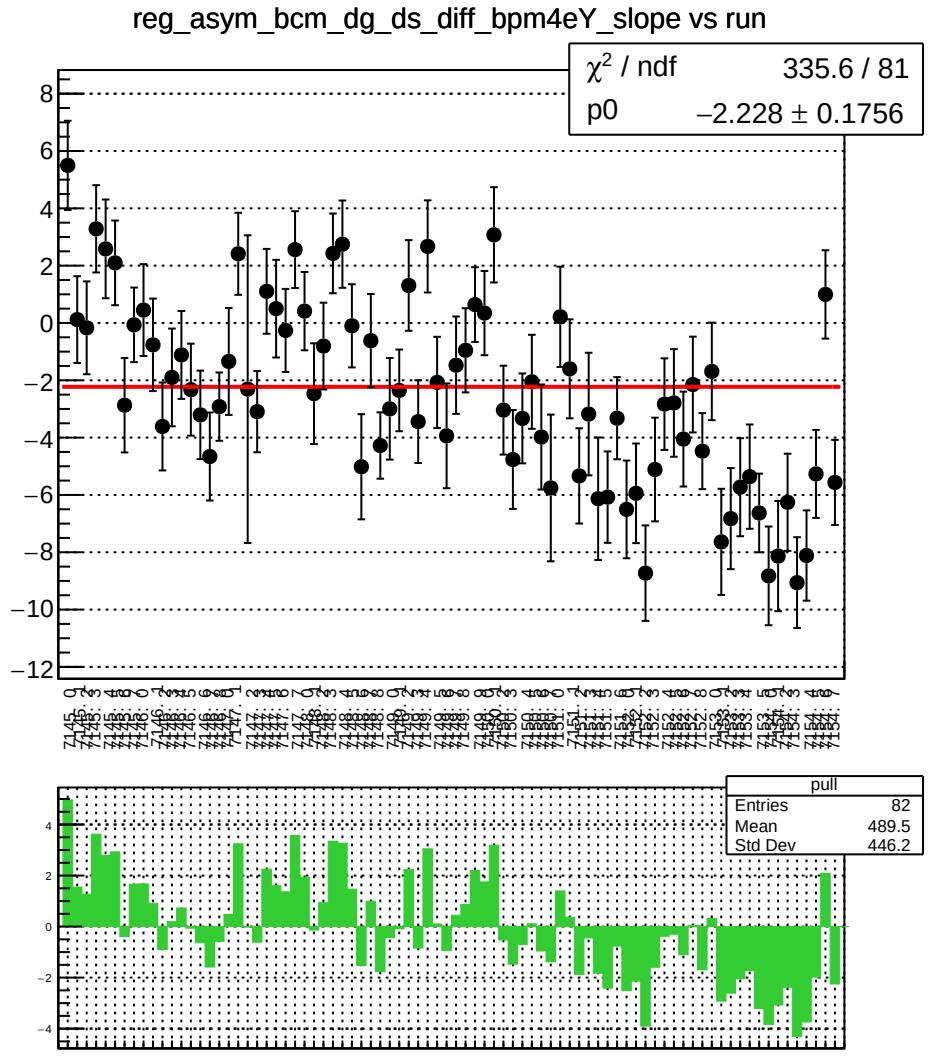

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2769 / 81
p0 −24.15 ± 0.1867
pull
Entries 82
Mean 61.15
Std Dev 20.35

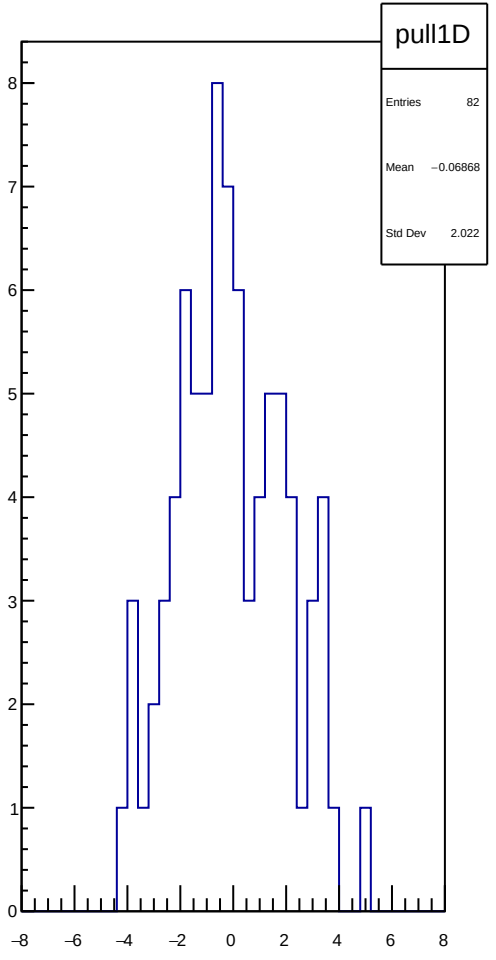

pull1D
Entries 82
Mean 0.208
Std Dev 2.834

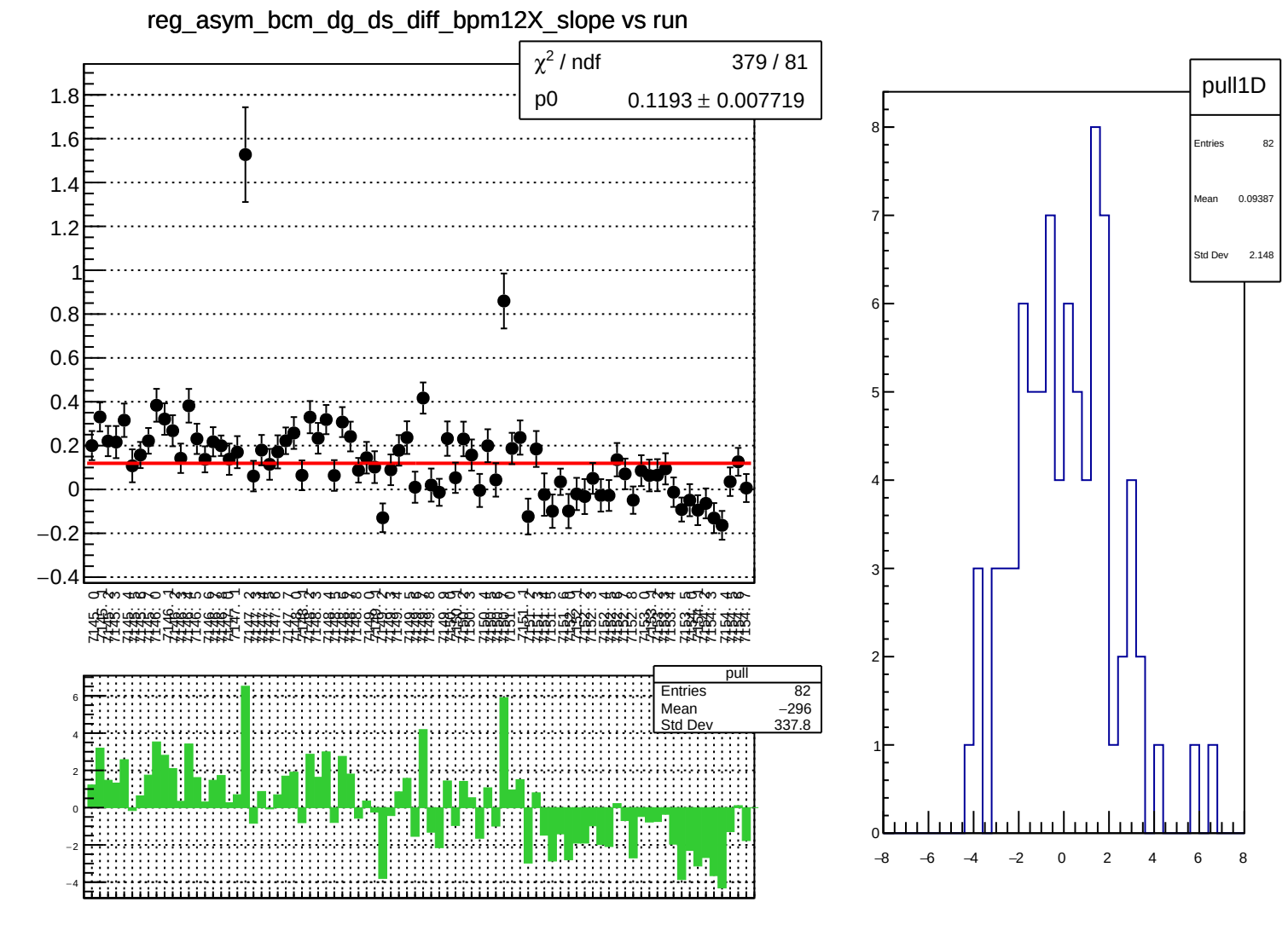

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 264.1 / 81
p0 0.9295 ± 0.1606
pull
Entries 82
Mean 6291
Std Dev 6249

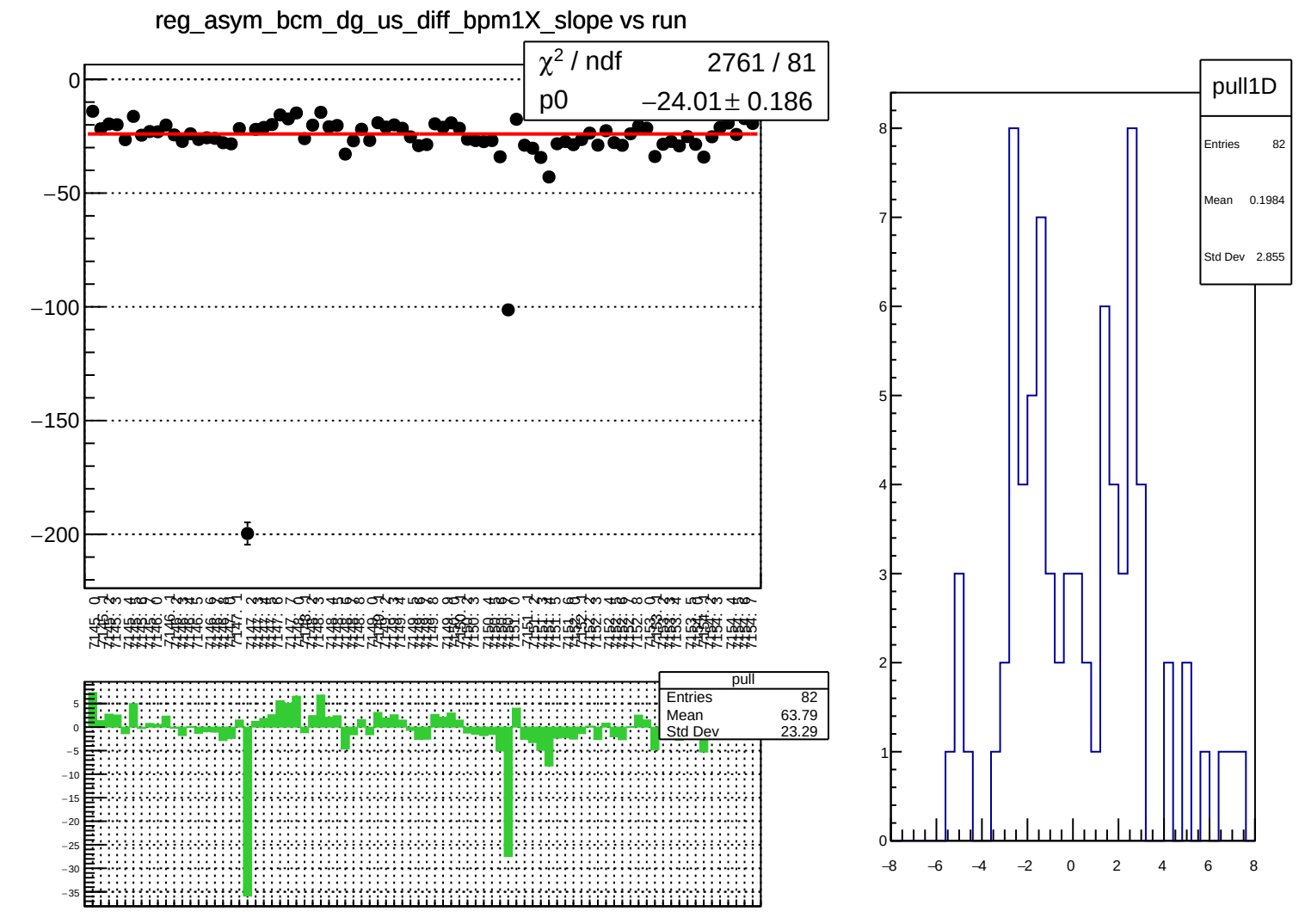

pull1D
Entries 82
Mean 0.004052
Std Dev 1.795

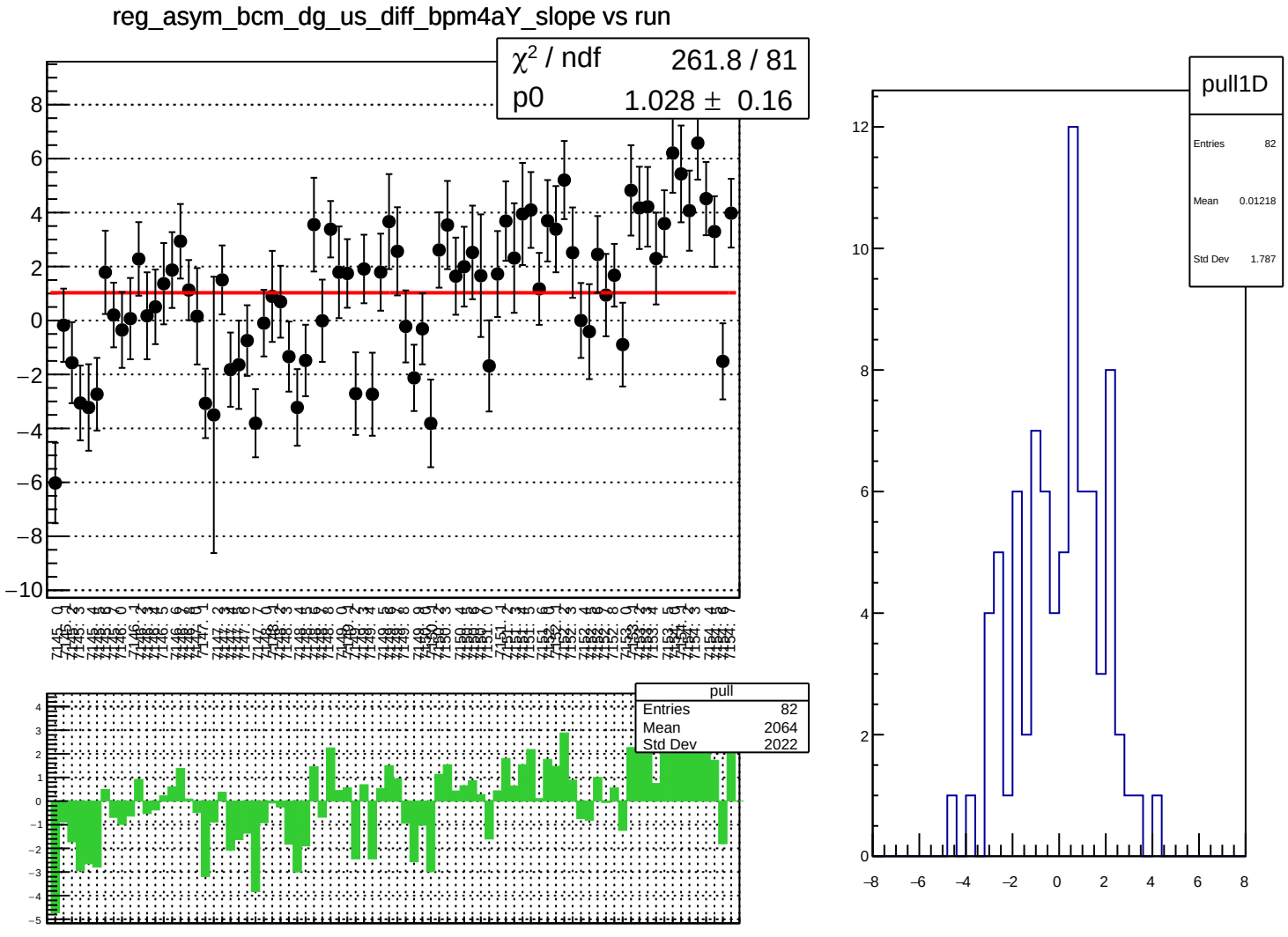

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2723 / 81
p0 24.3 ± 0.1911
pull
Entries 82
Mean 60
Std Dev 19.07
pull1D
Entries 82
Mean −0.1965
Std Dev 2.857

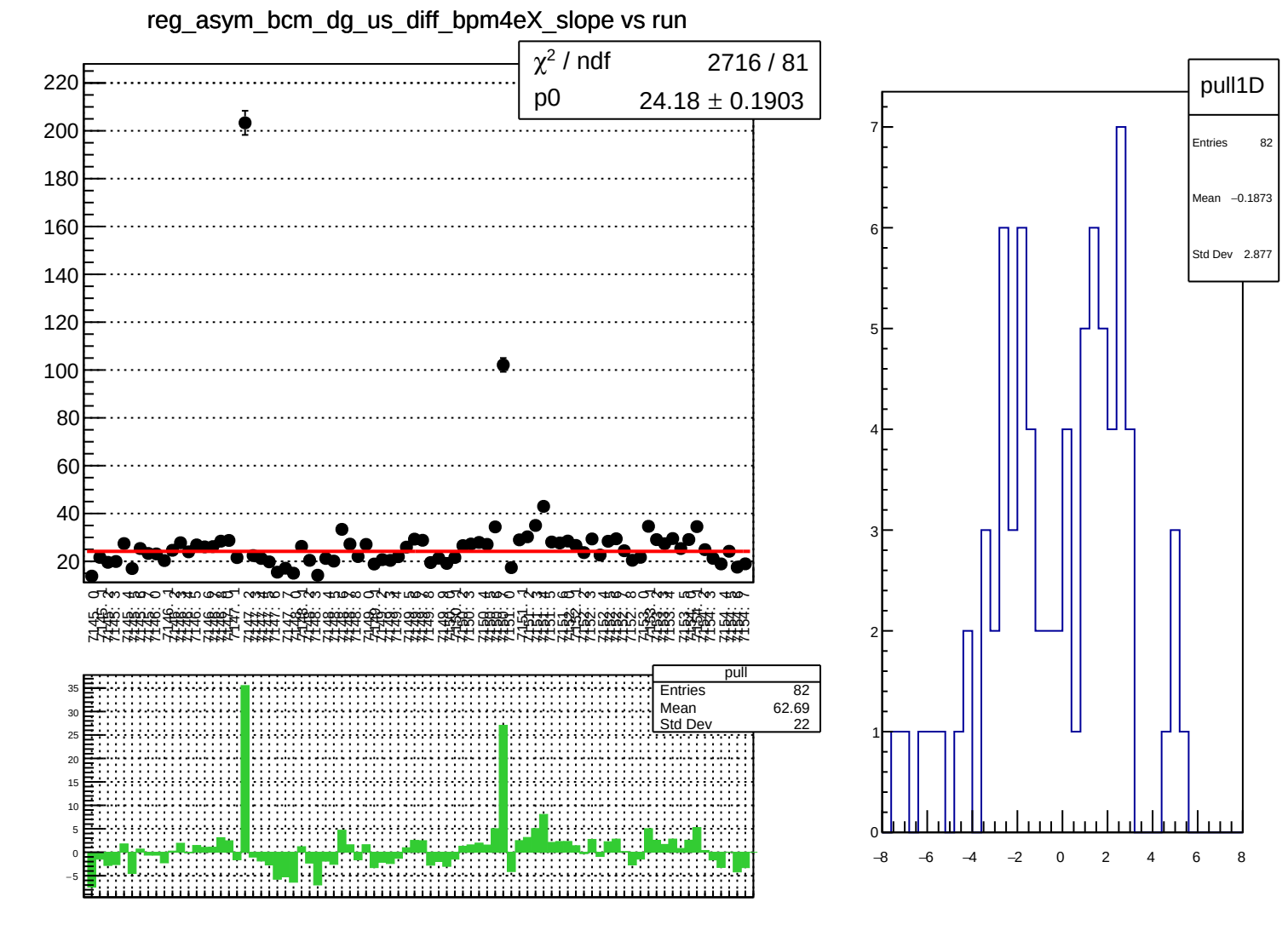

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 335.6 / 81
p0 −2.228 ± 0.1756
pull
Entries 82
Mean 489.5
Std Dev 446.2

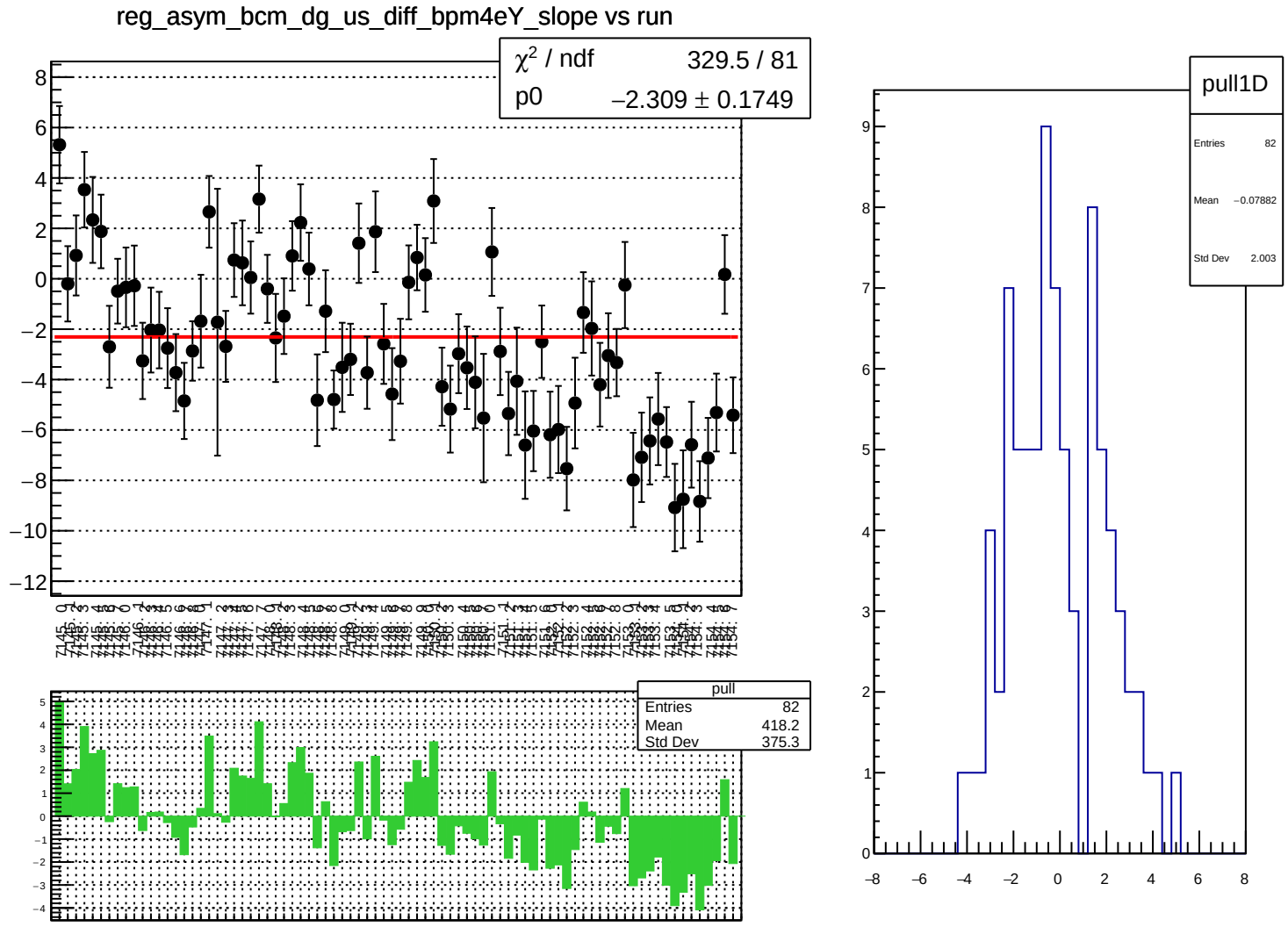

pull1D
Entries 82
Mean −0.06868
Std Dev 2.022

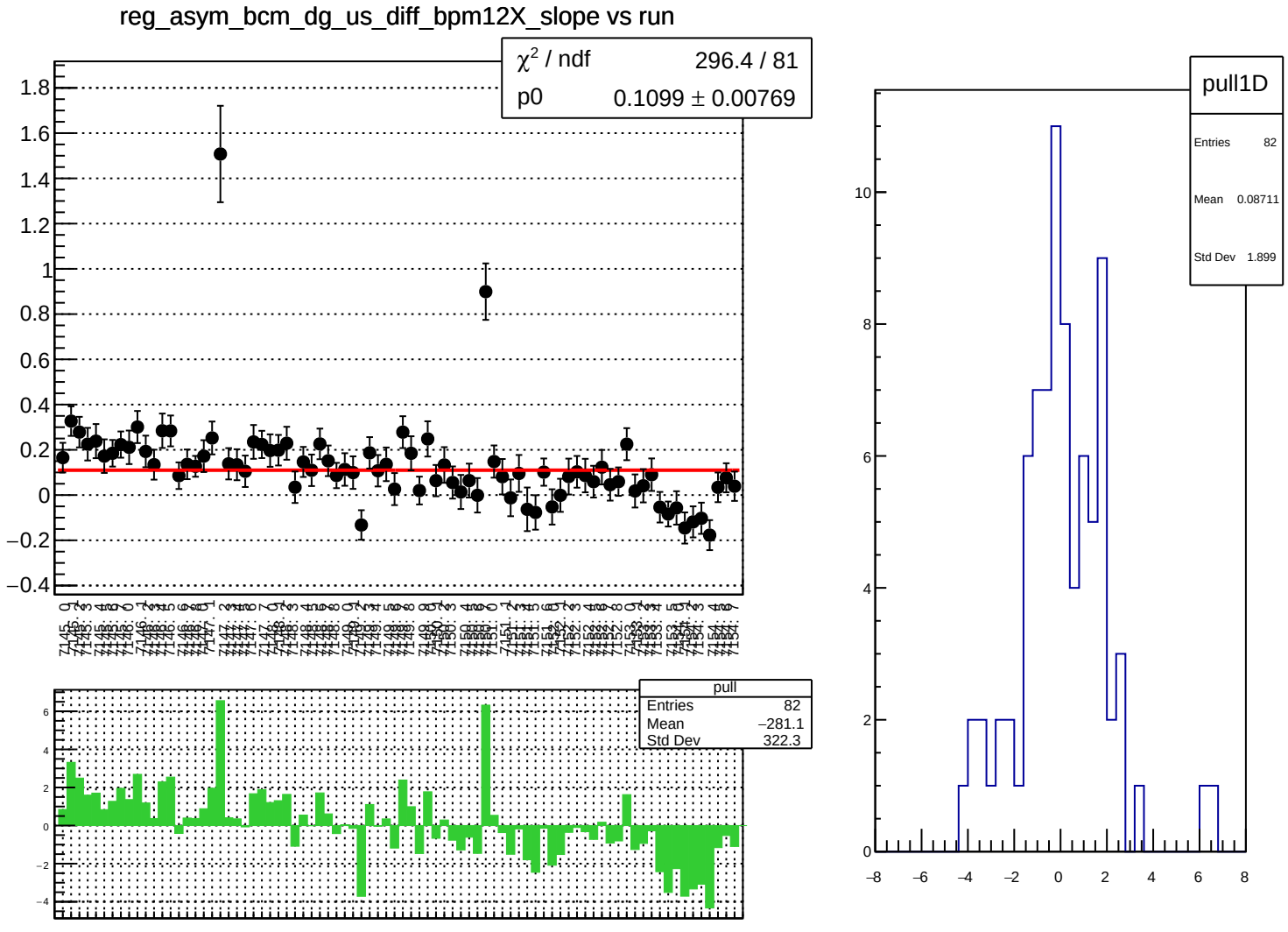

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 379 / 81
p0 0.1193 ± 0.007719
pull
Entries 82
Mean −296
Std Dev 337.8
pull1D
Entries 82
Mean 0.09387
Std Dev 2.148


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2761 / 81
p0 −24.01 ± 0.186
pull
Entries 82
Mean 63.79
Std Dev 23.29
pull1D
Entries 82
Mean 0.1984
Std Dev 2.855


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 261.8 / 81
p0 1.028 ± 0.16
pull
Entries 82
Mean 2064
Std Dev 2022
pull1D
Entries 82
Mean 0.01218
Std Dev 1.787


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2716 / 81
p0 24.18 ± 0.1903
pull
Entries 82
Mean 62.69
Std Dev 22
pull1D
Entries 82
Mean −0.1873
Std Dev 2.877


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 329.5 / 81
p0 −2.309 ± 0.1749
pull
Entries 82
Mean 418.2
Std Dev 375.3
pull1D
Entries 82
Mean −0.07882
Std Dev 2.003


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 296.4 / 81
p0 0.1099 ± 0.00769
pull
Entries 82
Mean −281.1
Std Dev 322.3
pull1D
Entries 82
Mean 0.08711
Std Dev 1.899