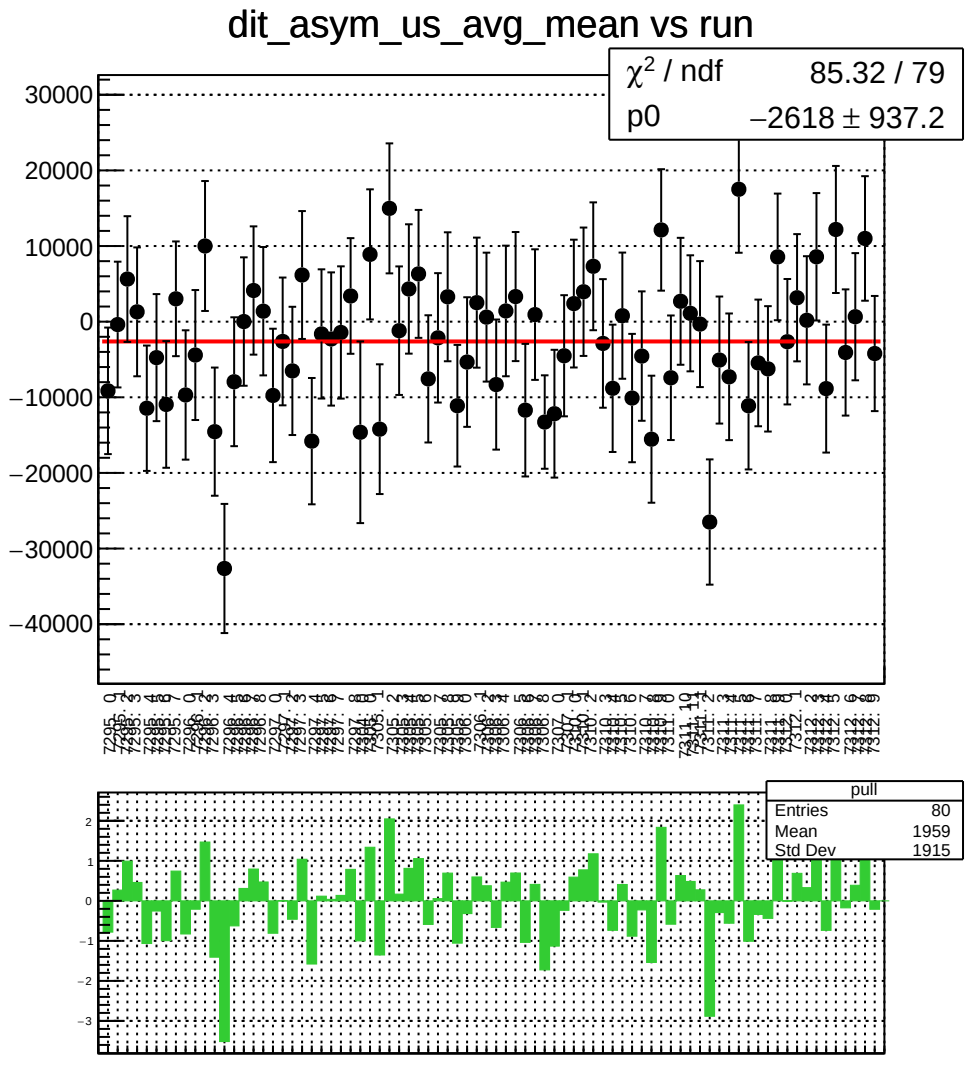
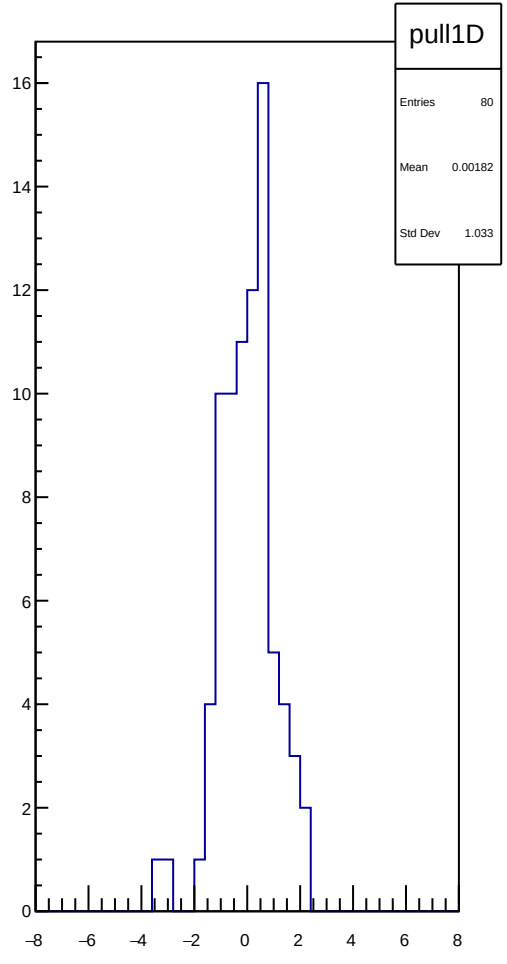
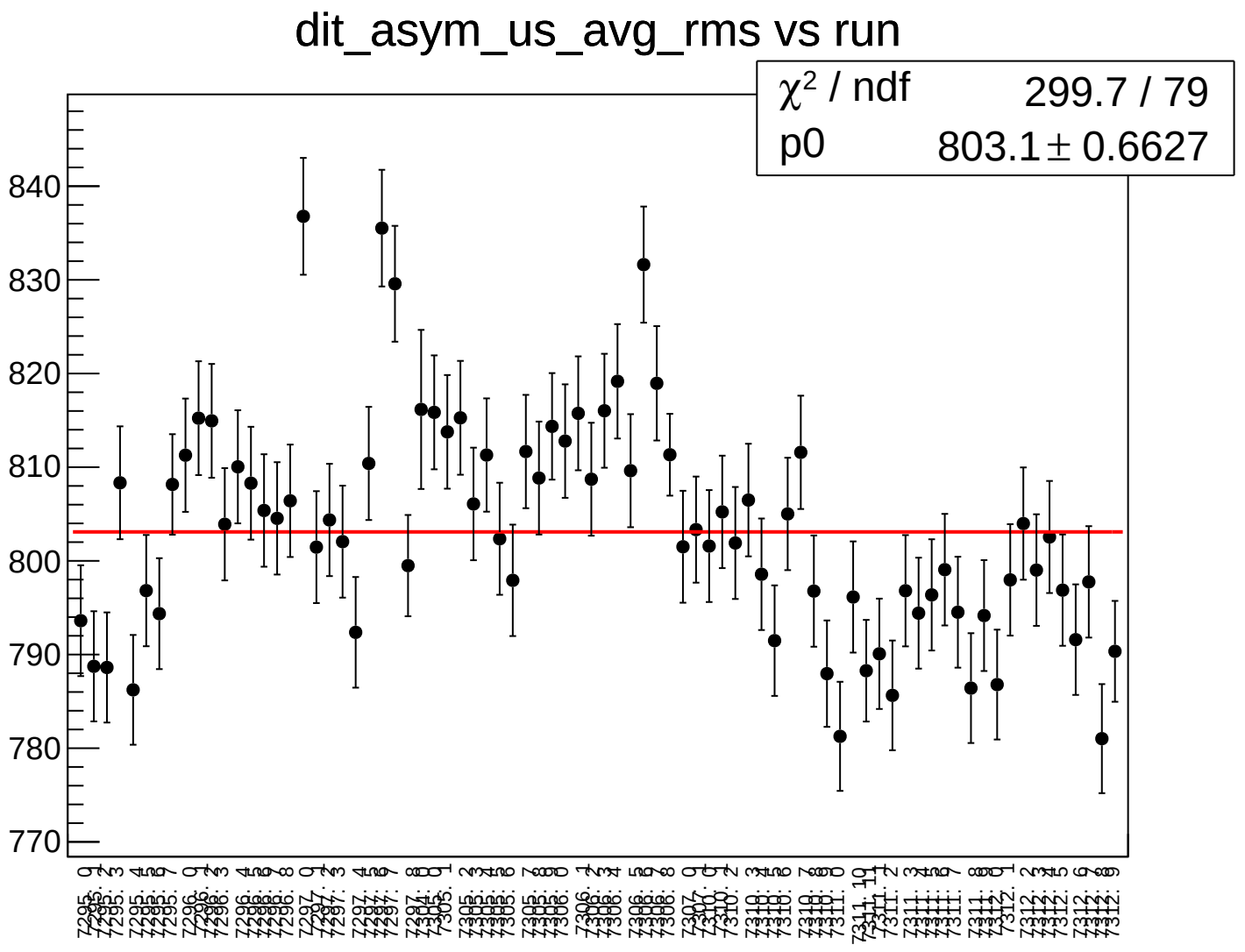
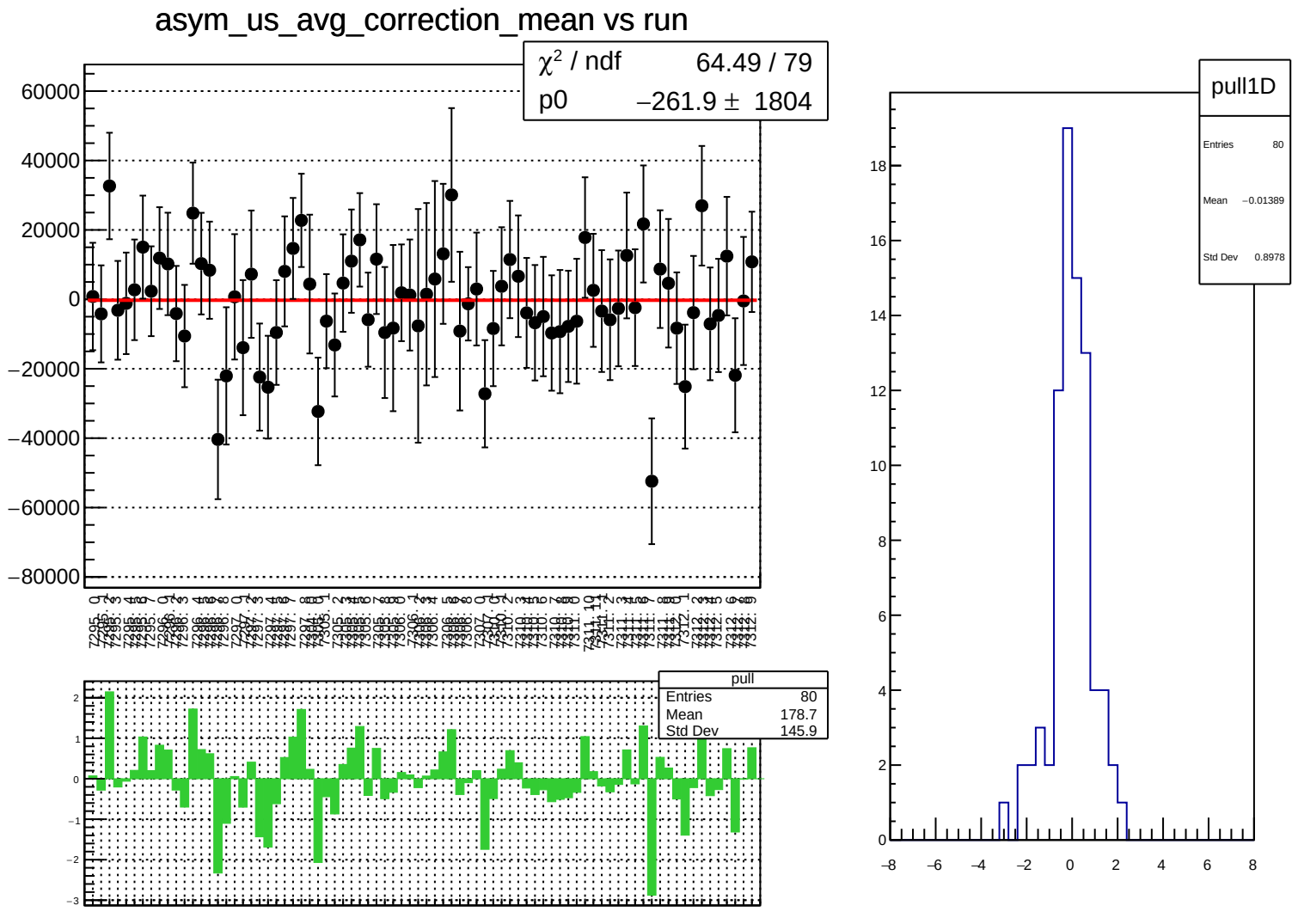
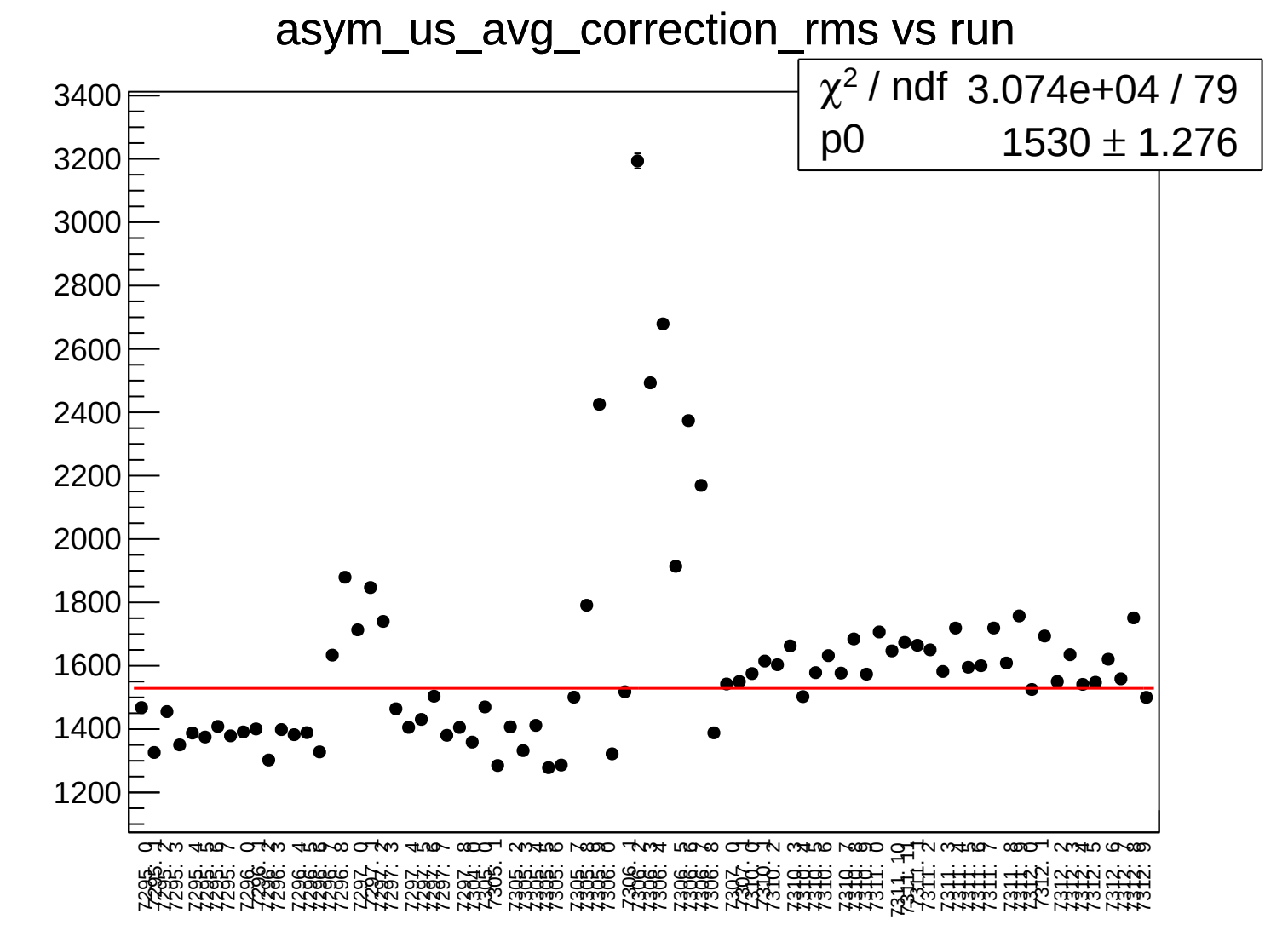
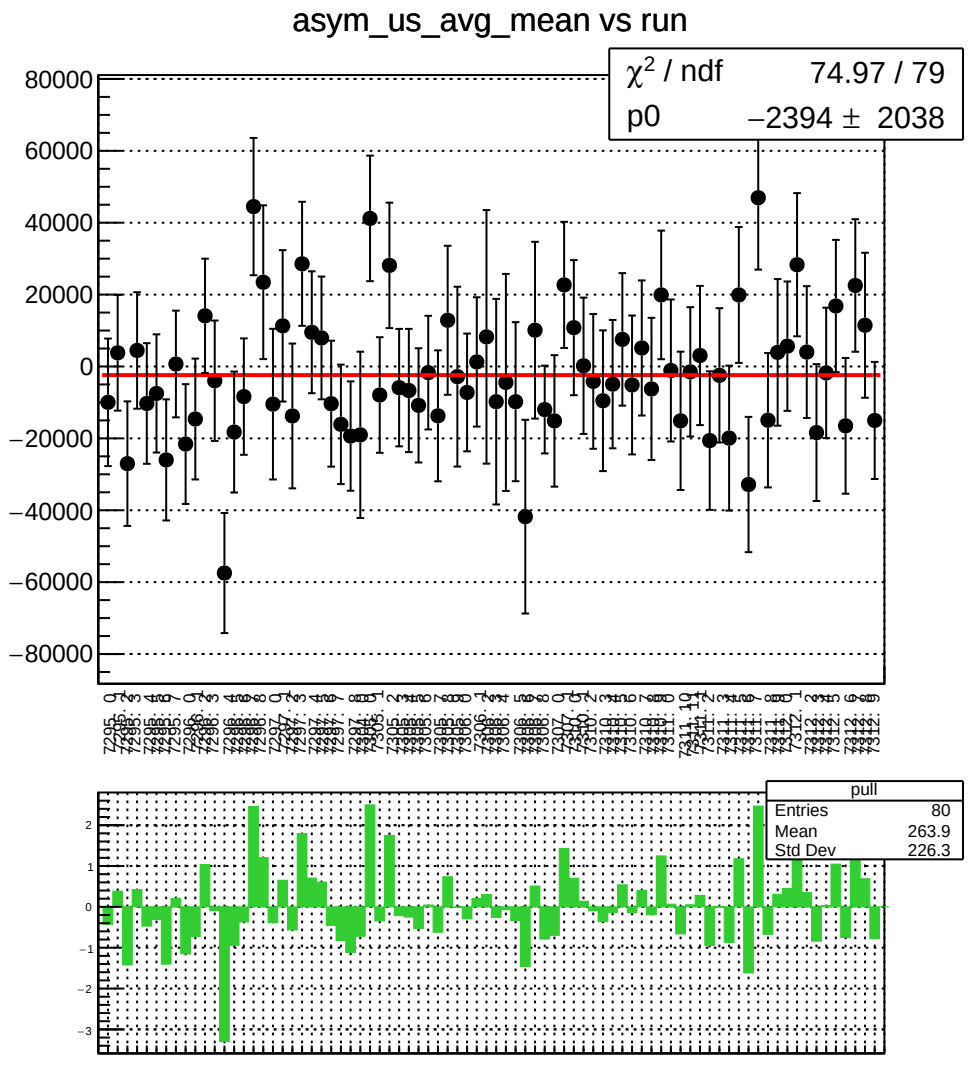

dit_asym_us_avg_mean vs run
χ² / ndf 85.32 / 79
p0 −2618 ± 937.2
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 1959
Std Dev 1915
2
1
0
−1
−2
−3

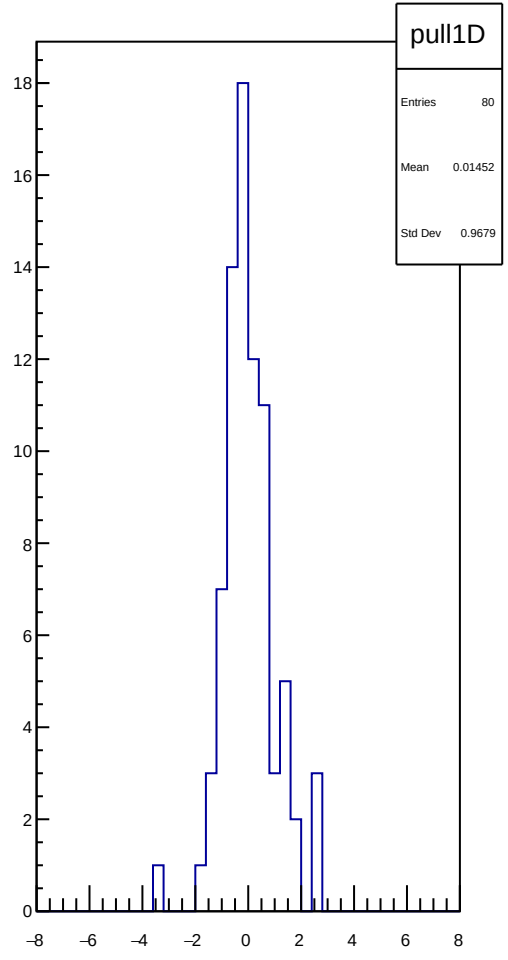

pull1D
Entries 80
Mean 0.00182
Std Dev 1.033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

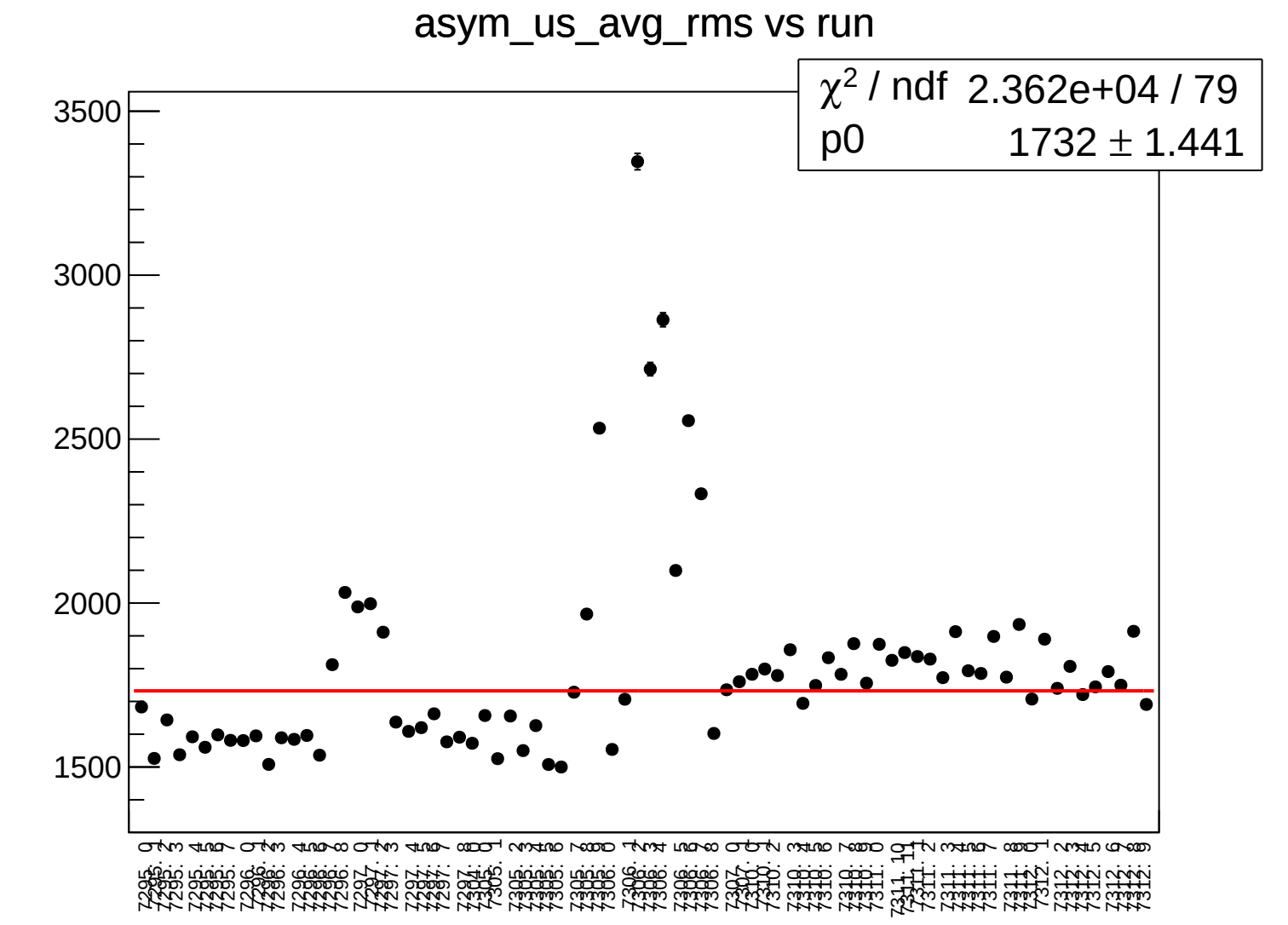

dit_asym_us_avg_rms vs run
χ² / ndf 299.7 / 79
p0 803.1 ± 0.6627
840
830
820
810
800
790
780
770

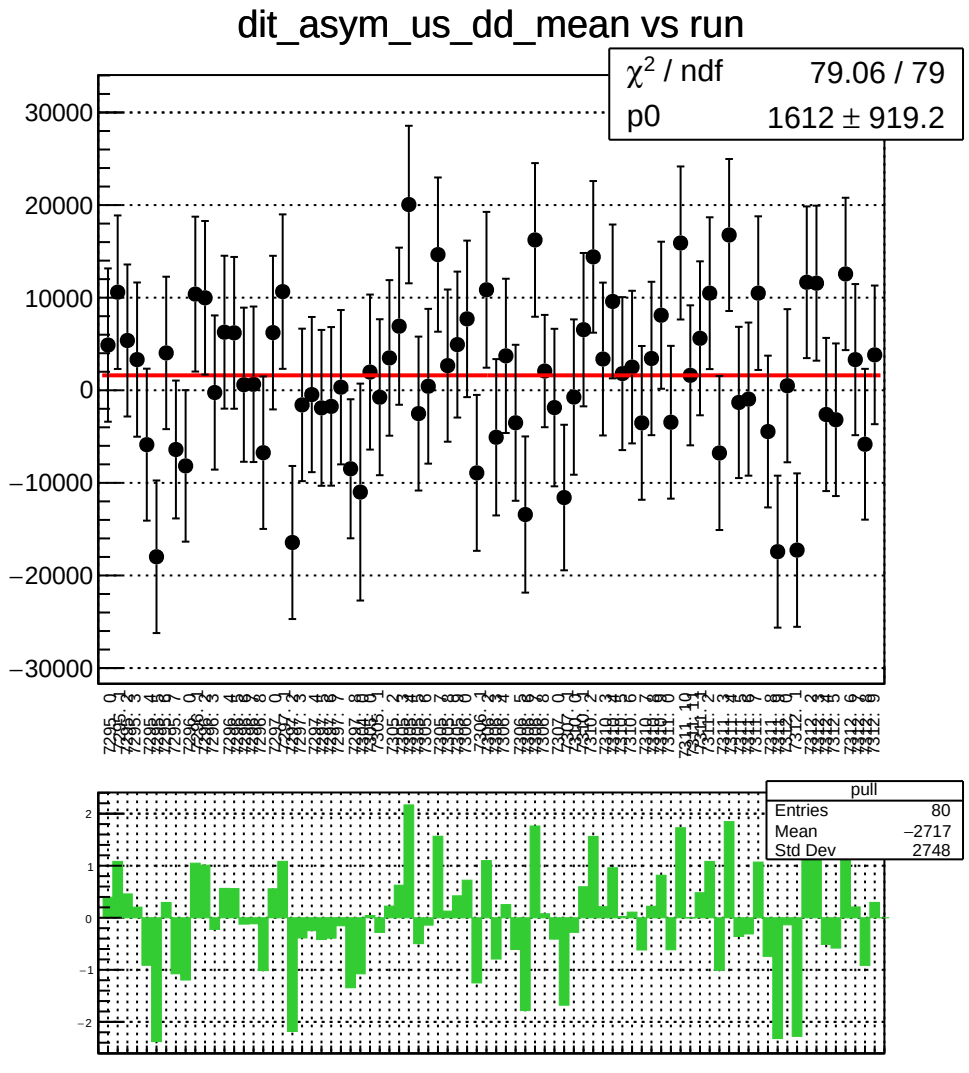

asym_us_avg_correction_mean vs run
χ² / ndf 64.49 / 79
p0 −261.9 ± 1804
pull
Entries 80
Mean 178.7
Std Dev 145.9
pull1D
Entries 80
Mean −0.01389
Std Dev 0.8978

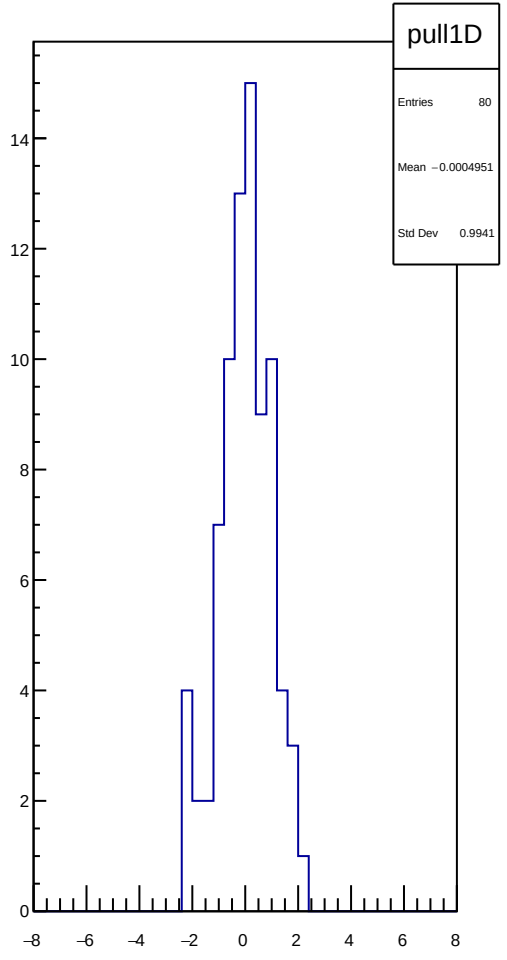

asym_us_avg_correction_rms vs run
χ² / ndf 3.074e+04 / 79
p0 1530 ± 1.276
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

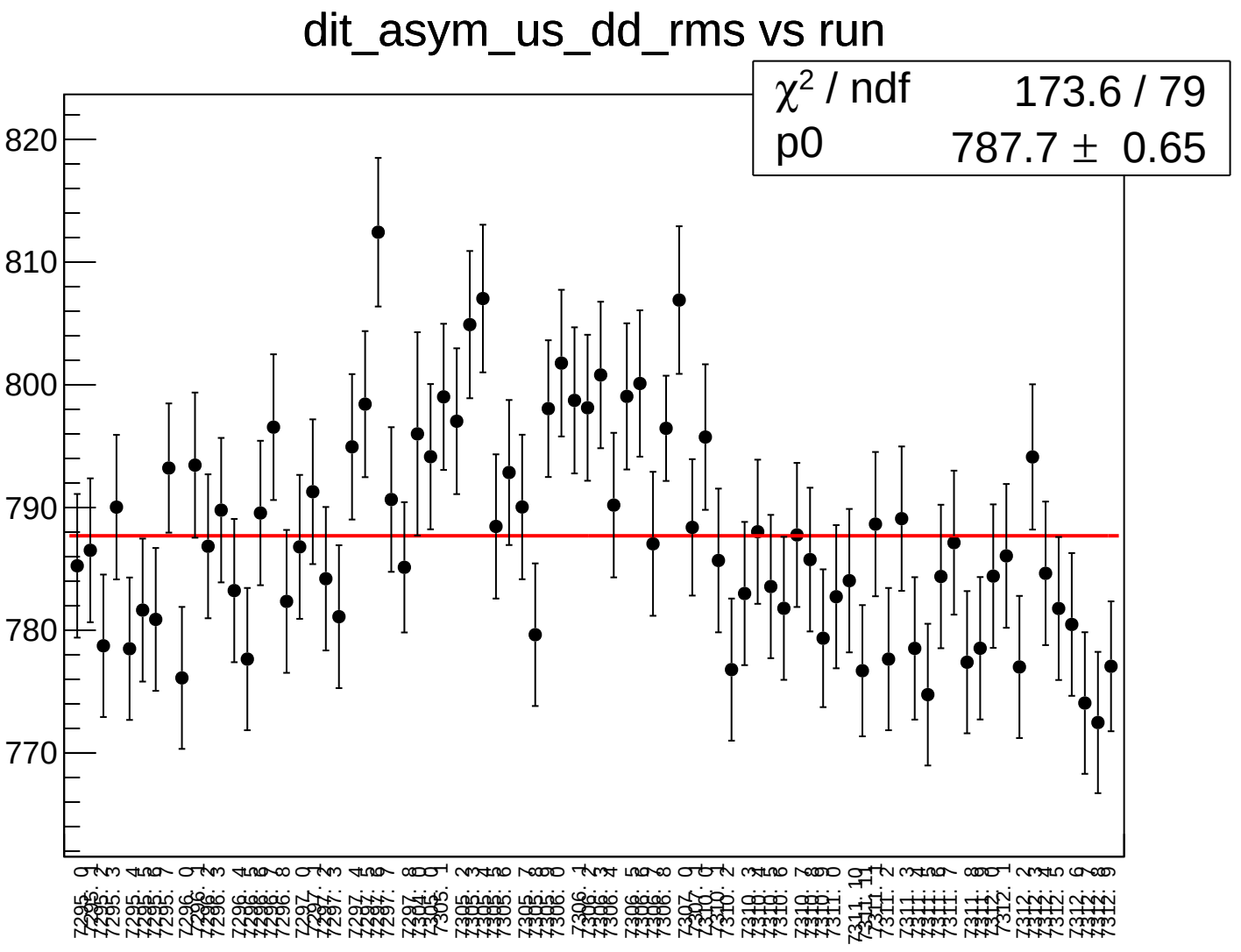

asym_us_avg_mean vs run
χ² / ndf 74.97 / 79
p0 −2394 ± 2038
pull
Entries 80
Mean 263.9
Std Dev 226.3

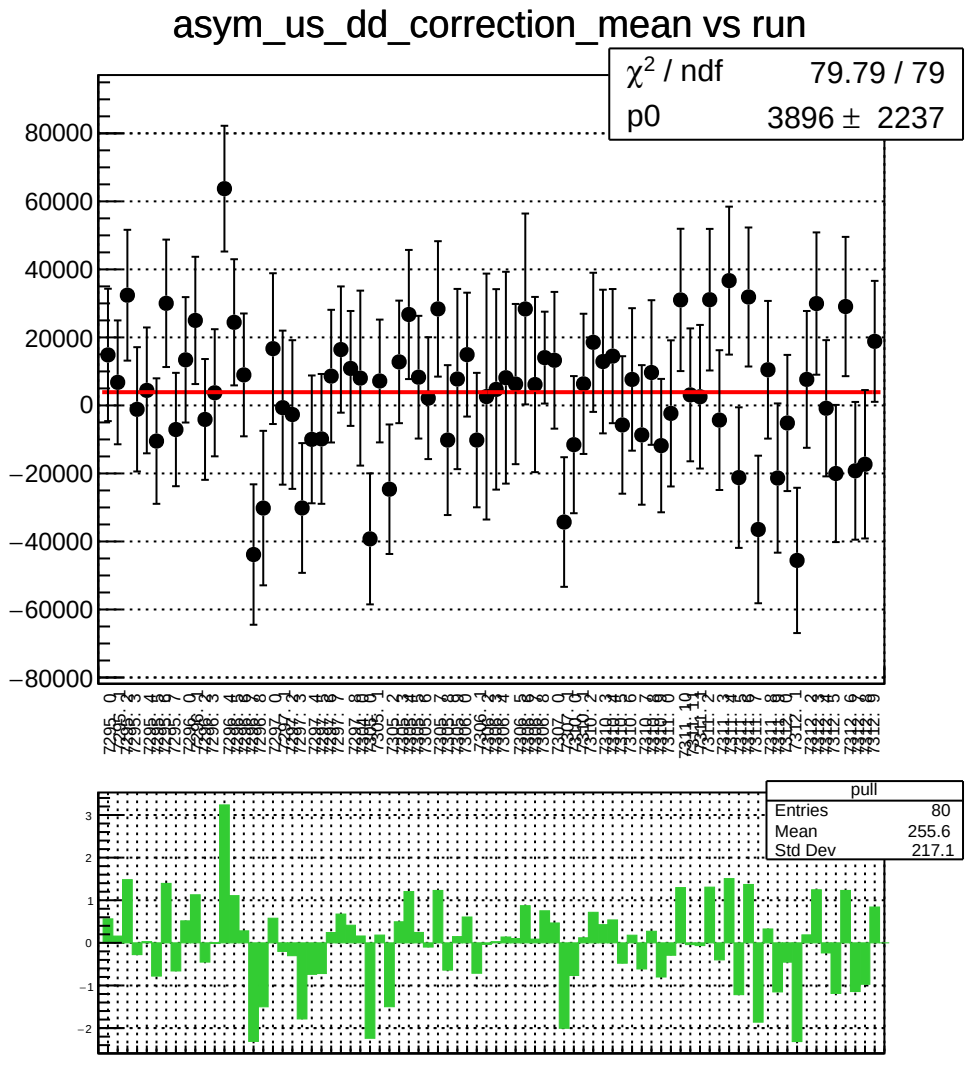

pull1D
Entries 80
Mean 0.01452
Std Dev 0.9679

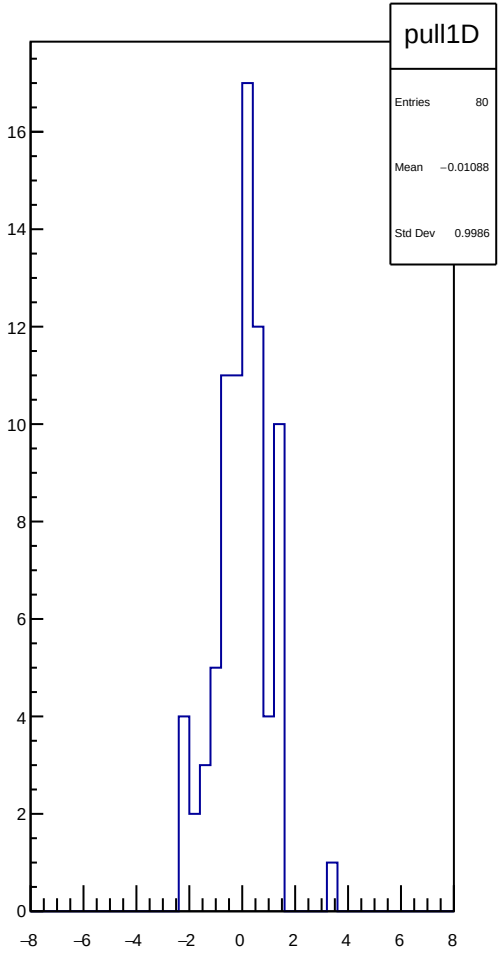

asym_us_avg_rms vs run
χ^2 / ndf 2.362e+04 / 79
p0 1732 ± 1.441
3500
3000
2500
2000
1500

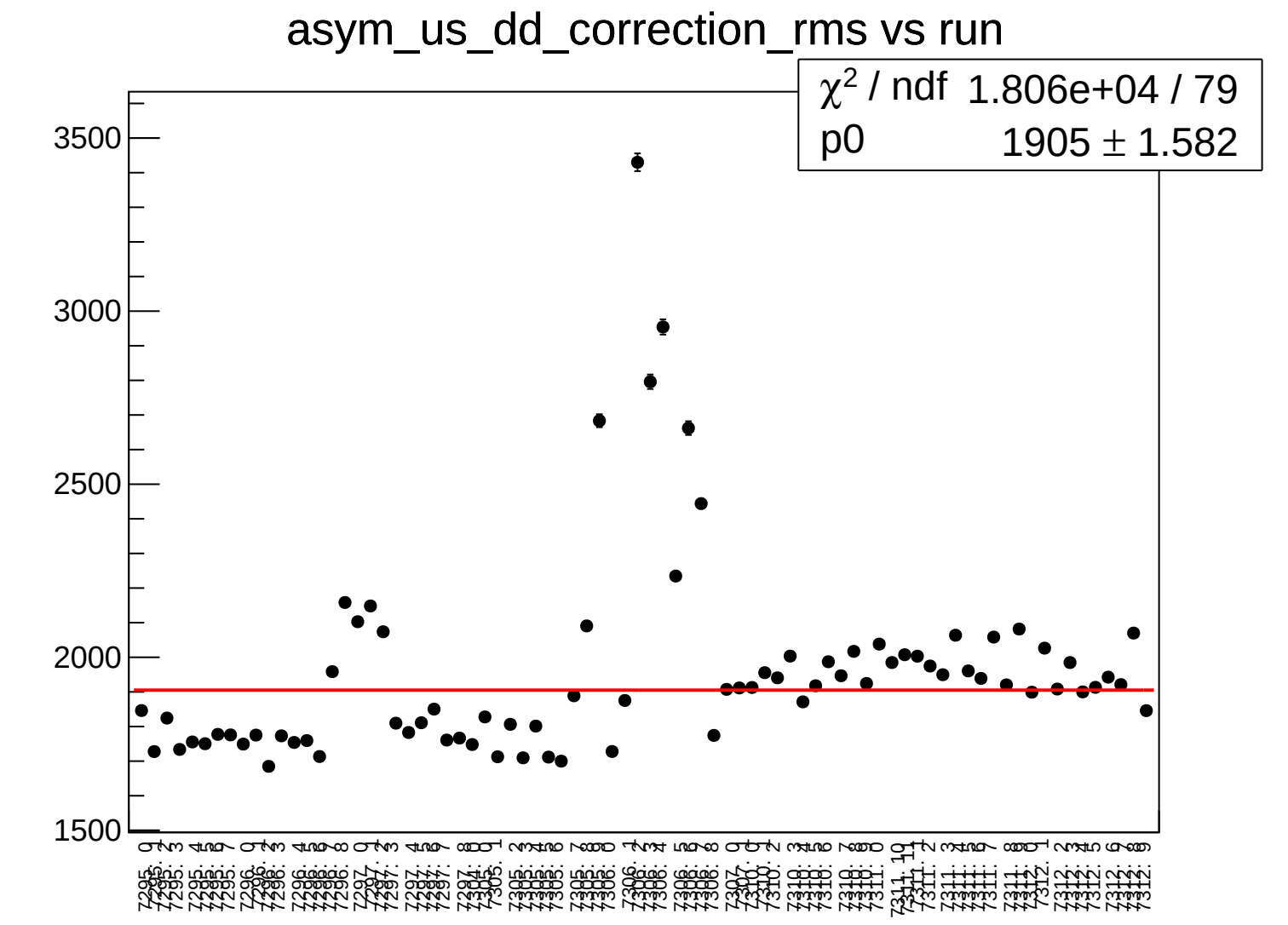

dit_asym_us_dd_mean vs run
χ² / ndf 79.06 / 79
p0 1612 ± 919.2
pull
Entries 80
Mean −2717
Std Dev 2748

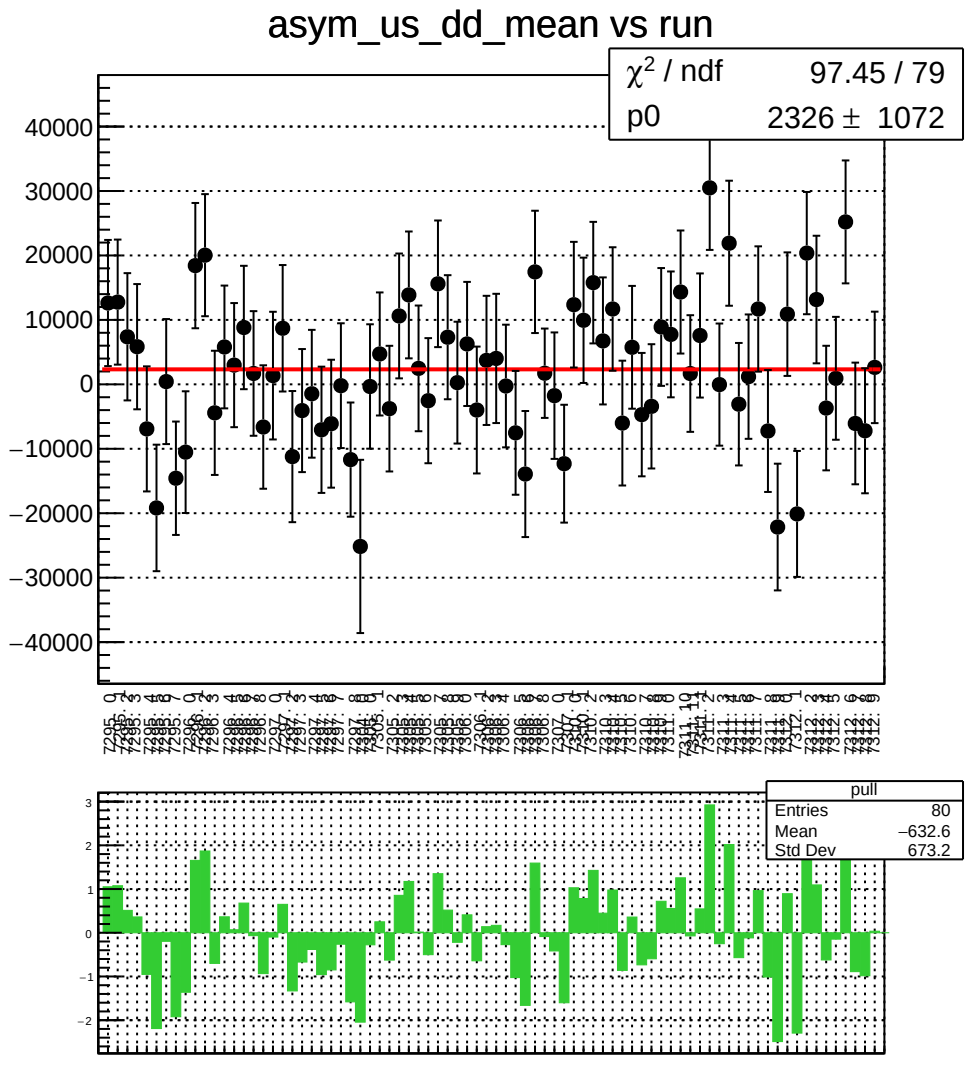

pull1D
Entries 80
Mean −0.0004951
Std Dev 0.9941

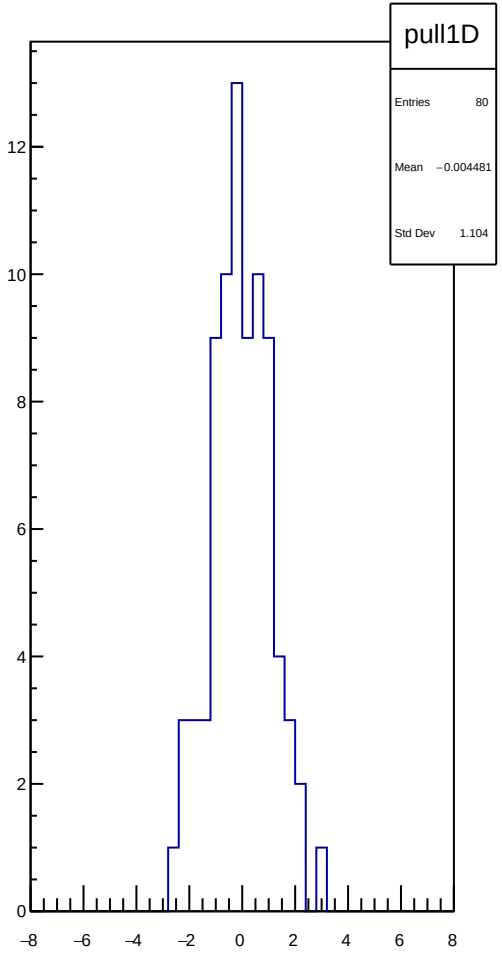

dit_asym_us_dd_rms vs run
χ² / ndf 173.6 / 79
p0 787.7 ± 0.65
820
810
800
790
780
770

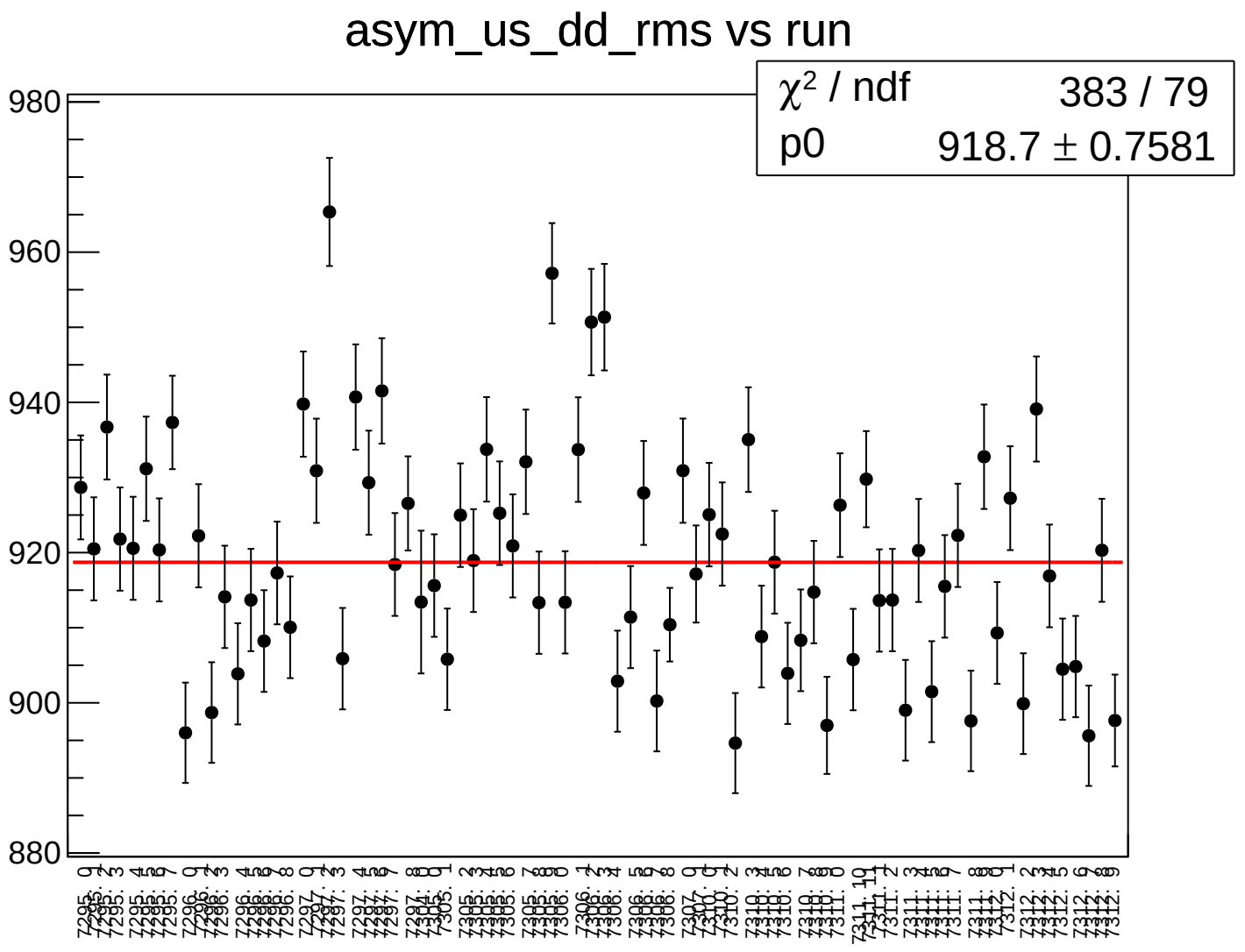

asym_us_dd_correction_mean vs run
χ² / ndf 79.79 / 79
p0 3896 ± 2237
pull
Entries 80
Mean 255.6
Std Dev 217.1

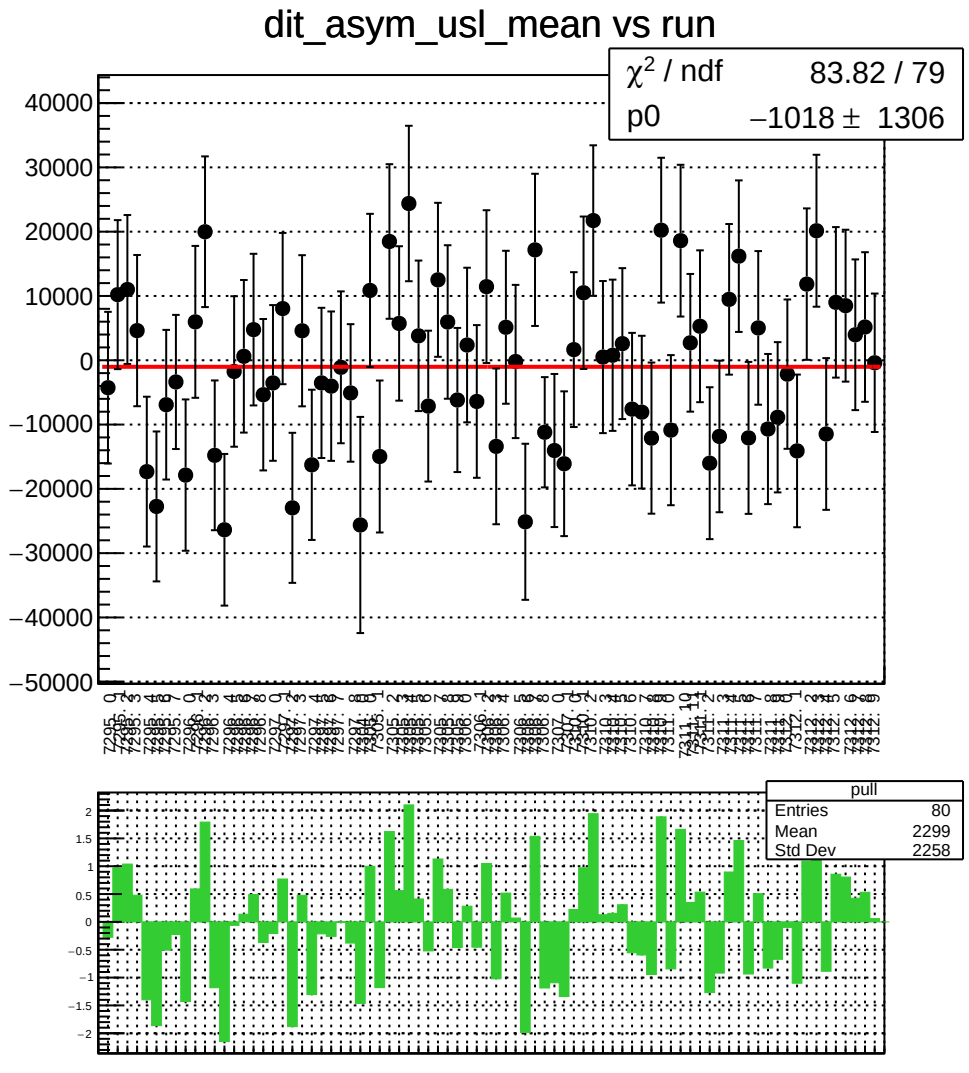

pull1D
Entries 80
Mean −0.01088
Std Dev 0.9986

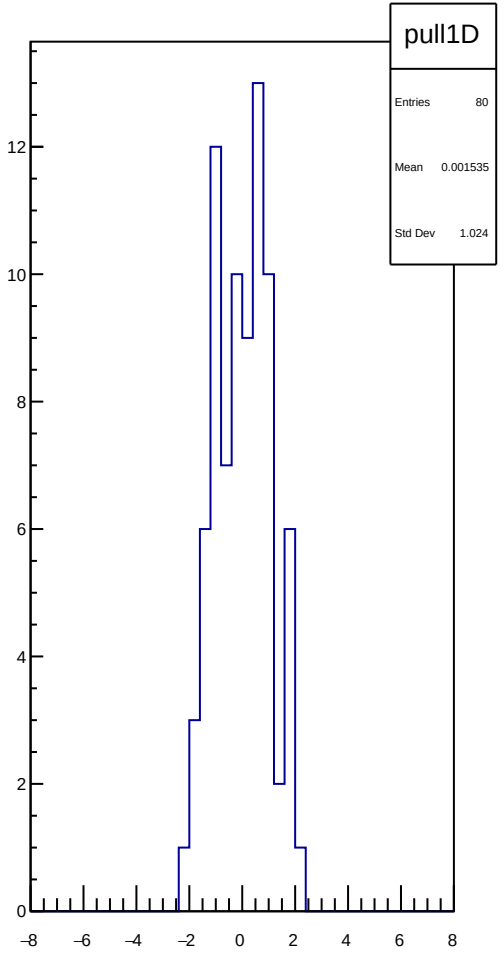

asym_us_dd_correction_rms vs run
χ² / ndf 1.806e+04 / 79
p0 1905 ± 1.582
3500
3000
2500
2000
1500

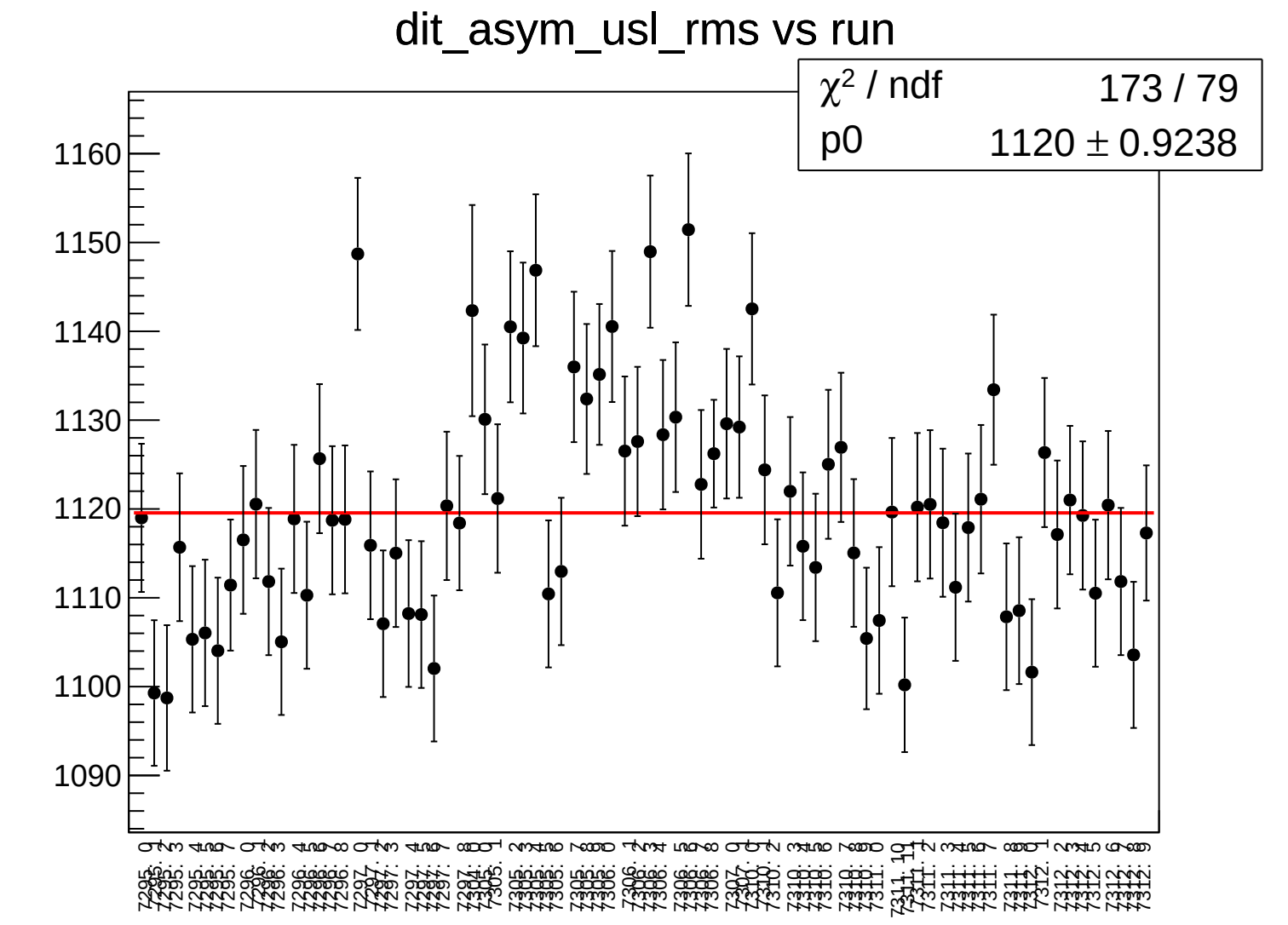

asym_us_dd_mean vs run
χ² / ndf 97.45 / 79
p0 2326 ± 1072
pull
Entries 80
Mean −632.6
Std Dev 673.2

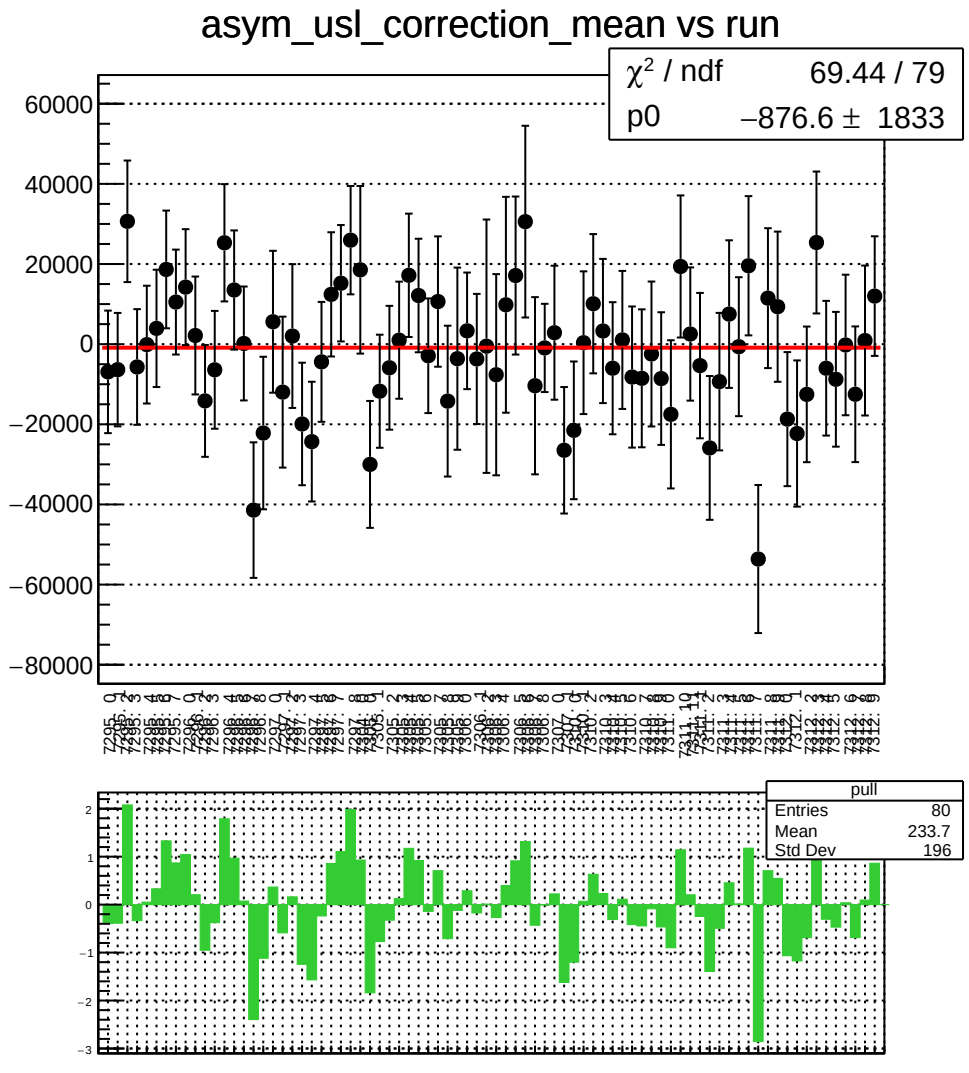

pull1D
Entries 80
Mean −0.004481
Std Dev 1.104

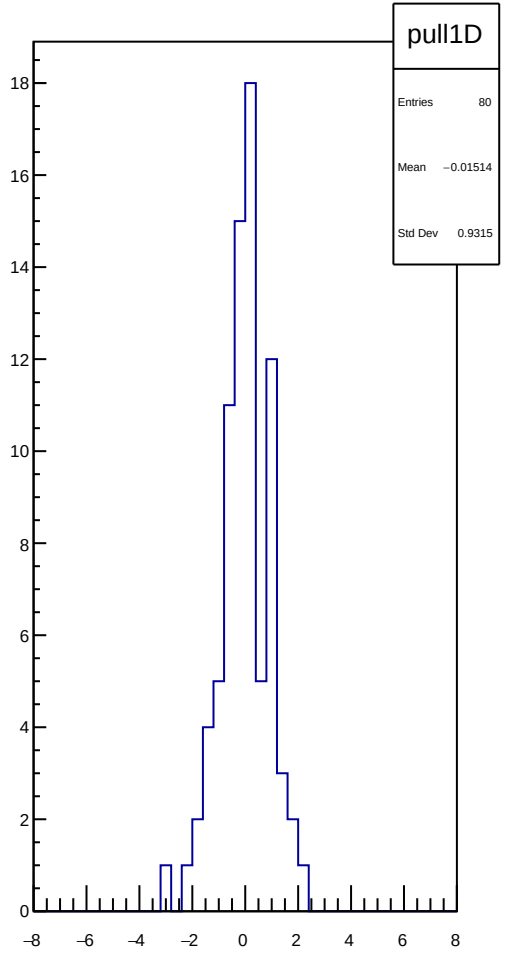

asym_us_dd_rms vs run
χ^2 / ndf 383 / 79
p0 918.7 ± 0.7581
980
960
940
920
900
880

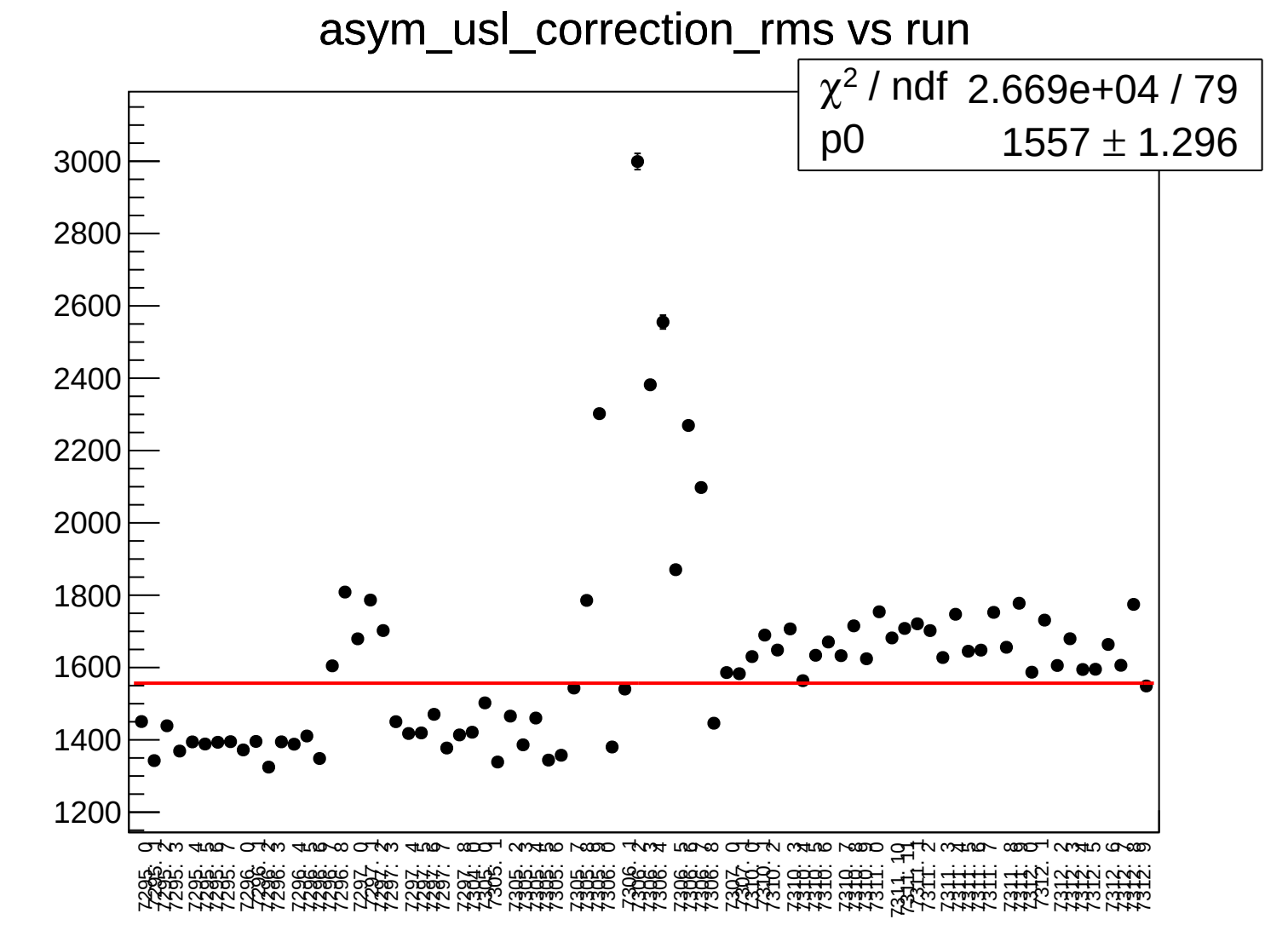

dit_asym_usl_mean vs run
χ² / ndf 83.82 / 79
p0 −1018 ± 1306
pull
Entries 80
Mean 2299
Std Dev 2258

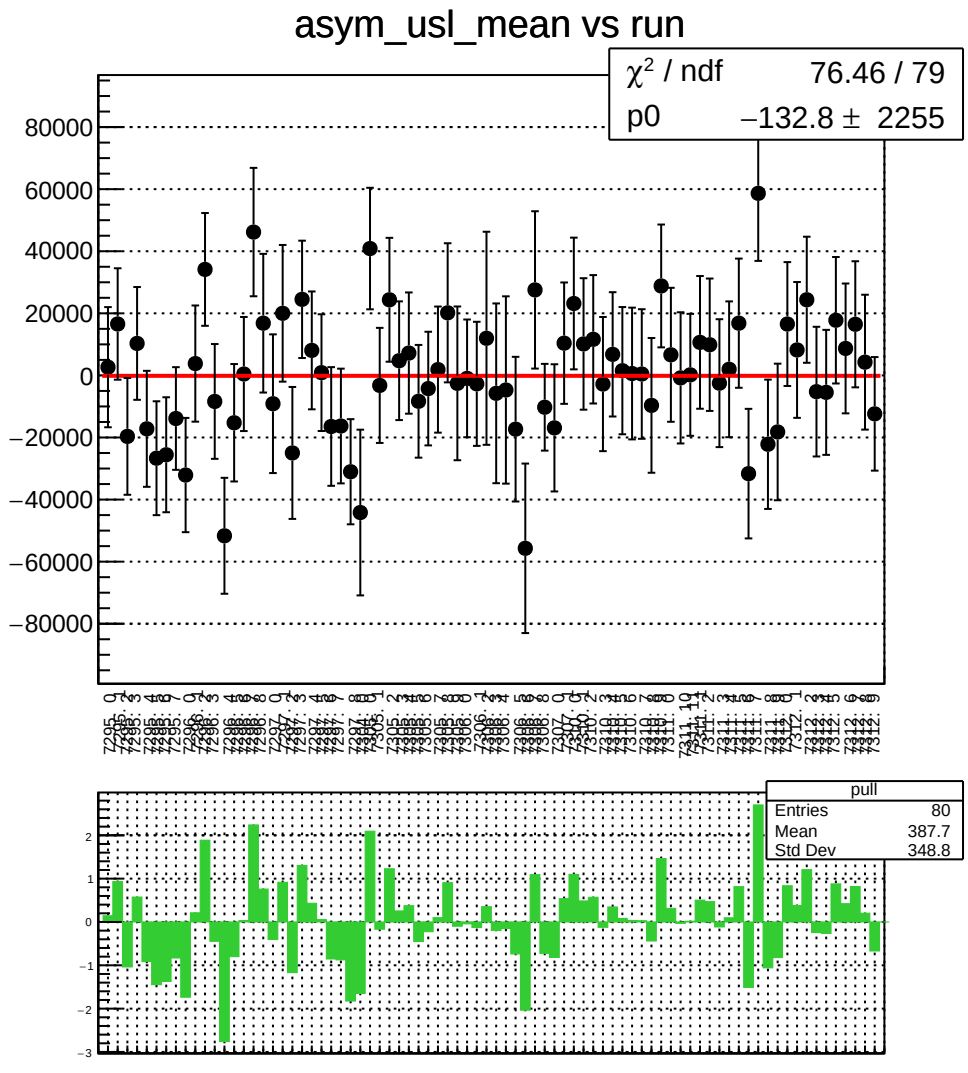

pull1D
Entries 80
Mean 0.001535
Std Dev 1.024

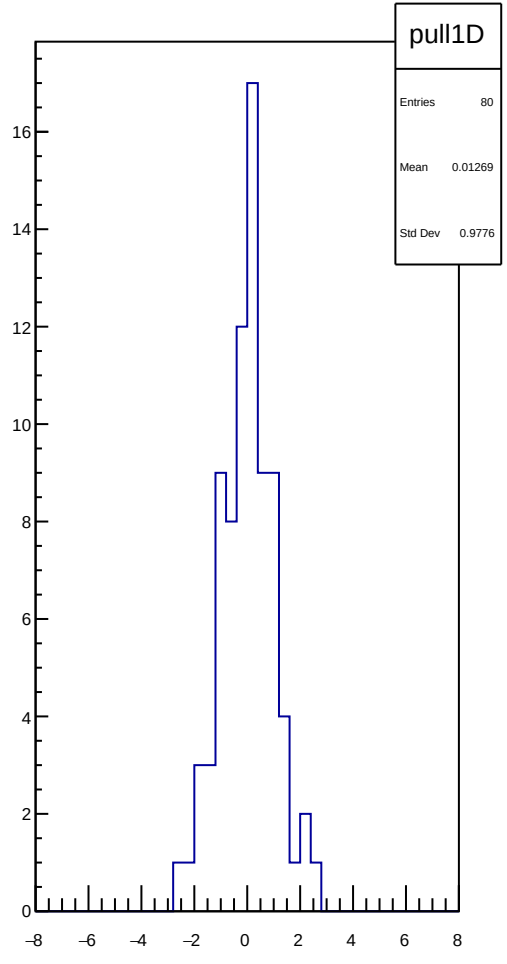

dit_asym_usl_rms vs run
χ² / ndf 173 / 79
p0 1120 ± 0.9238
1160
1150
1140
1130
1120
1110
1100
1090

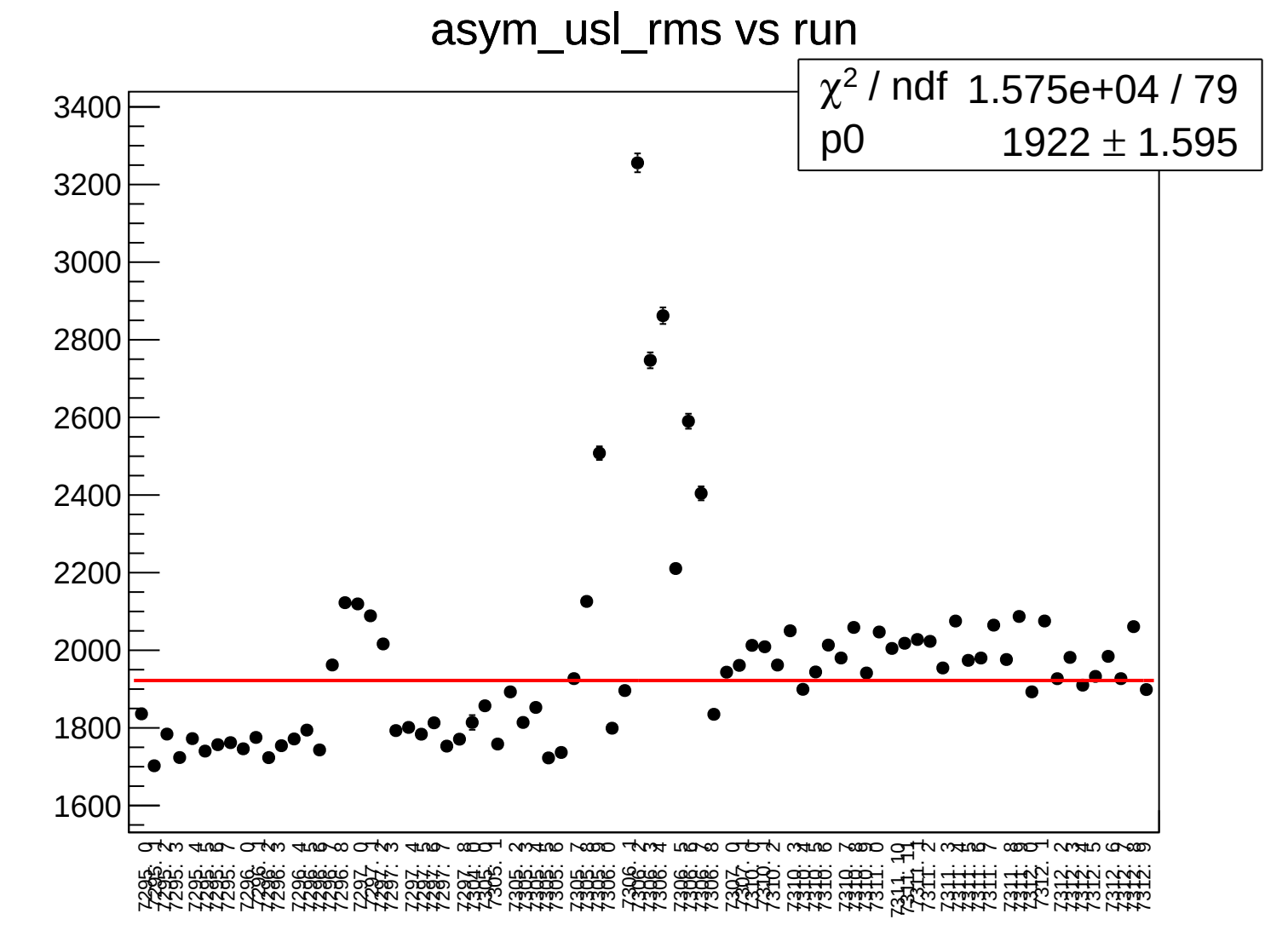

asym_usl_correction_mean vs run
χ² / ndf 69.44 / 79
p0 −876.6 ± 1833
pull
Entries 80
Mean 233.7
Std Dev 196

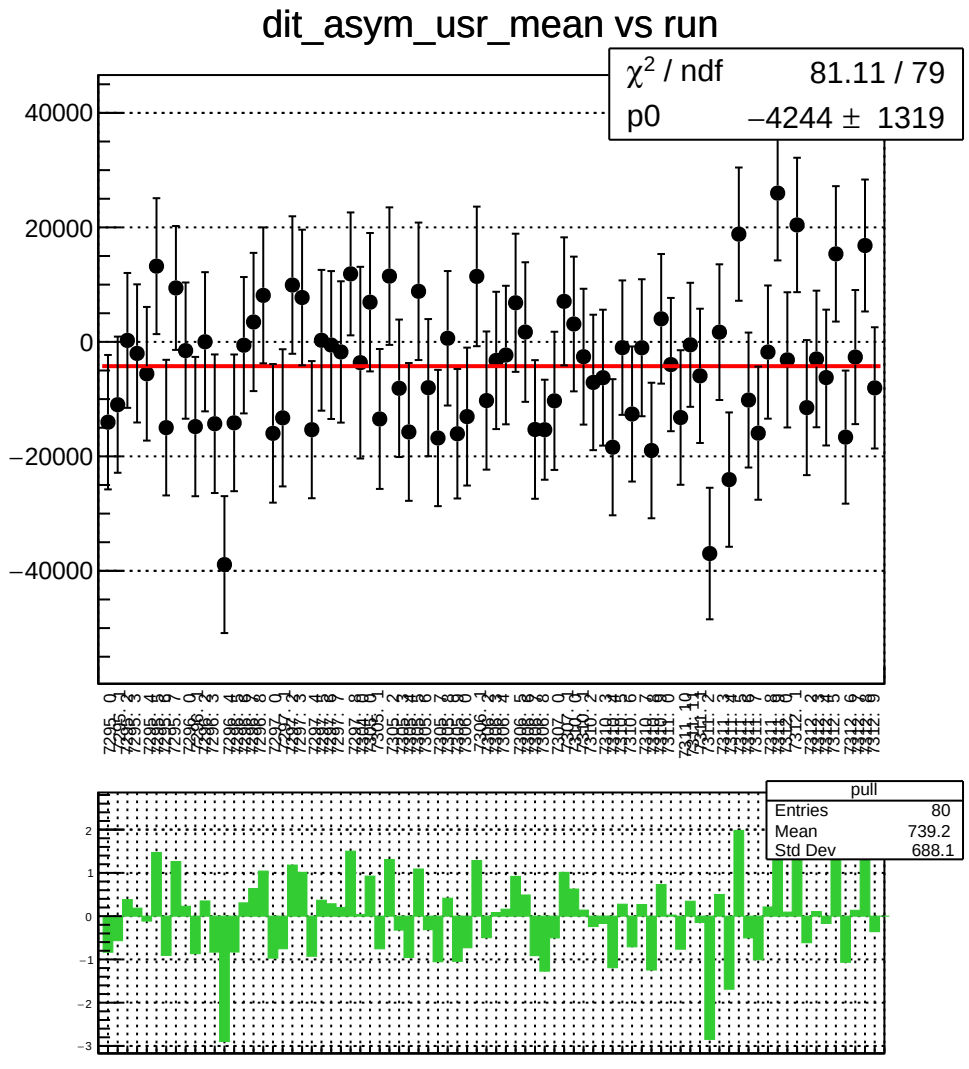

pull1D
Entries 80
Mean −0.01514
Std Dev 0.9315

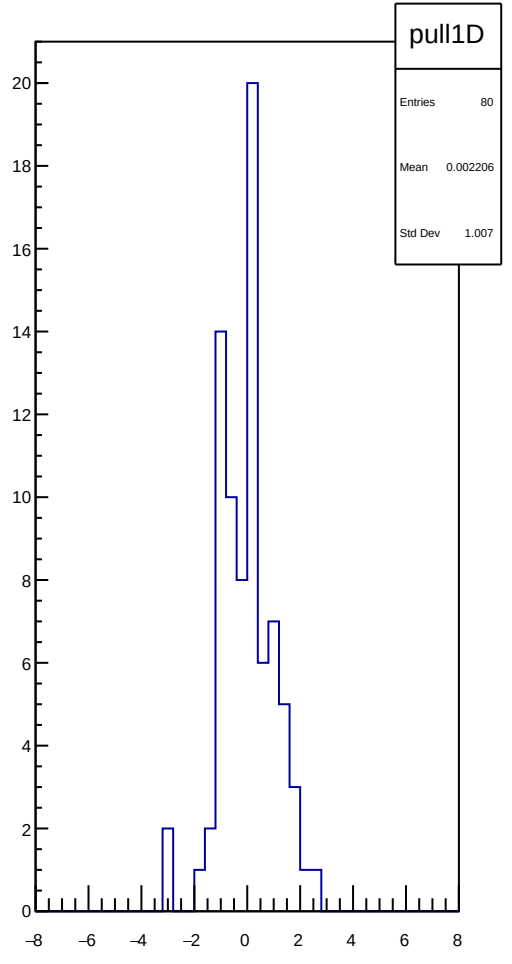

asym_usl_correction_rms vs run
χ² / ndf 2.669e+04 / 79
p0 1557 ± 1.296
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

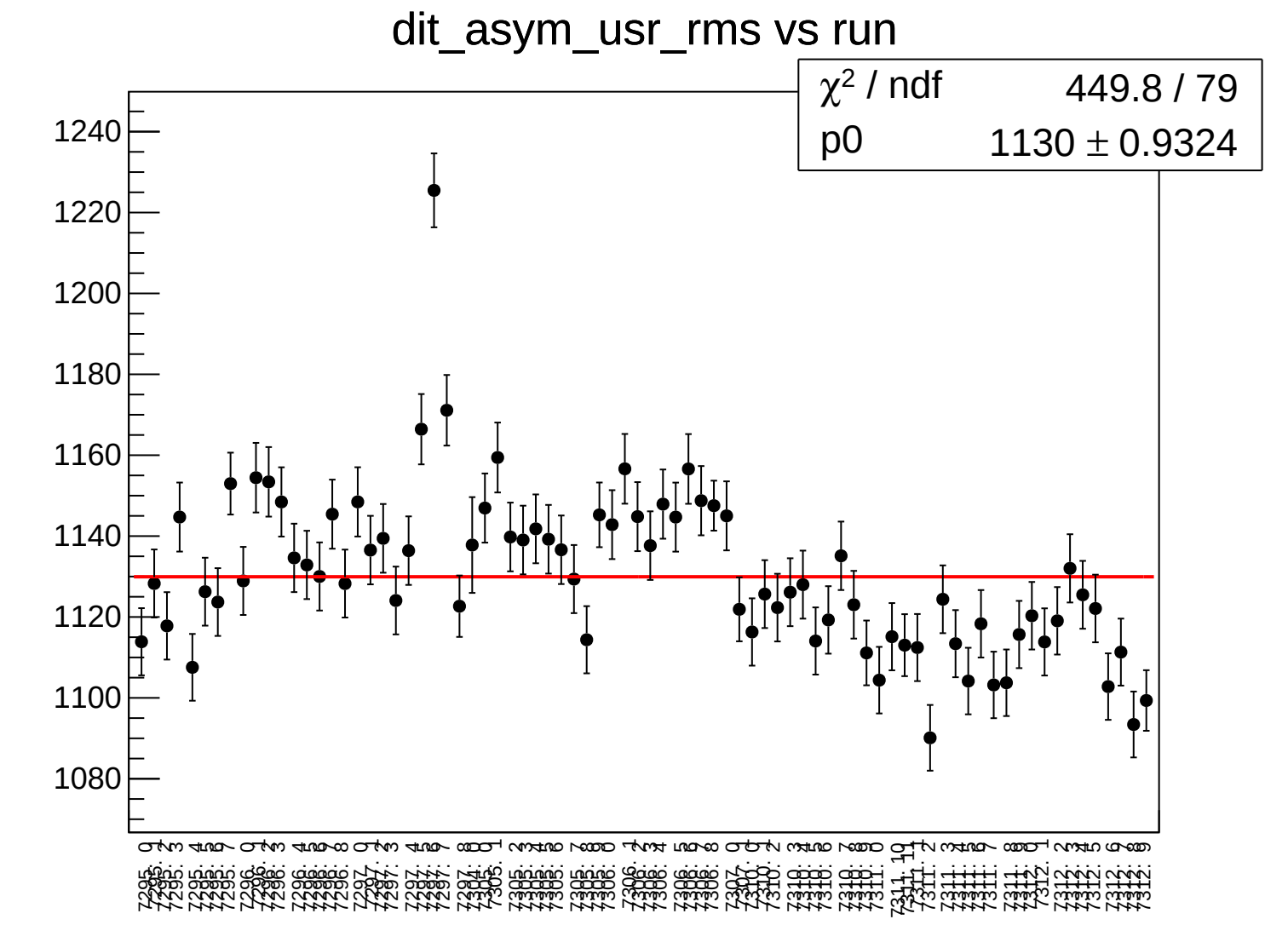

asym_usl_mean vs run
χ² / ndf 76.46 / 79
p0 −132.8 ± 2255
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 387.7
Std Dev 348.8
2
1
0
−1
−2
−3

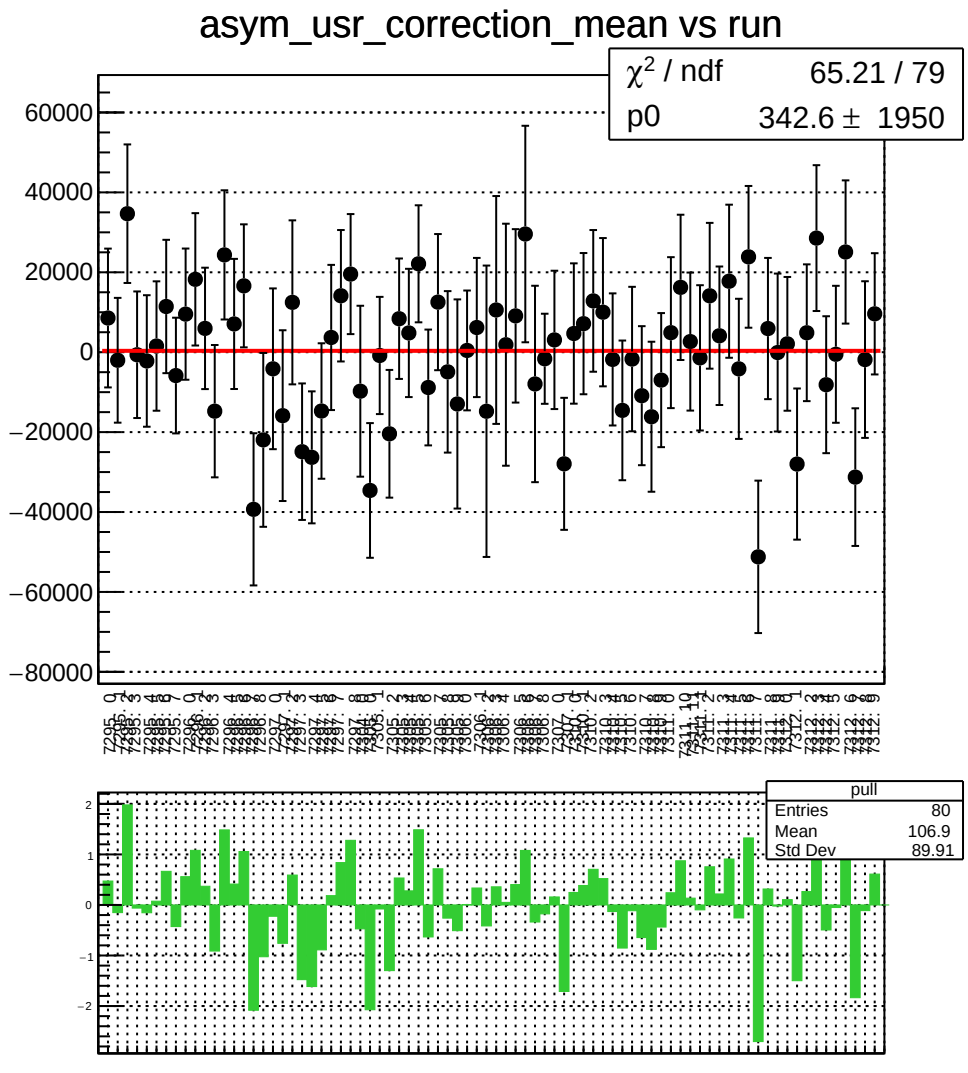

pull1D
Entries 80
Mean 0.01269
Std Dev 0.9776
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

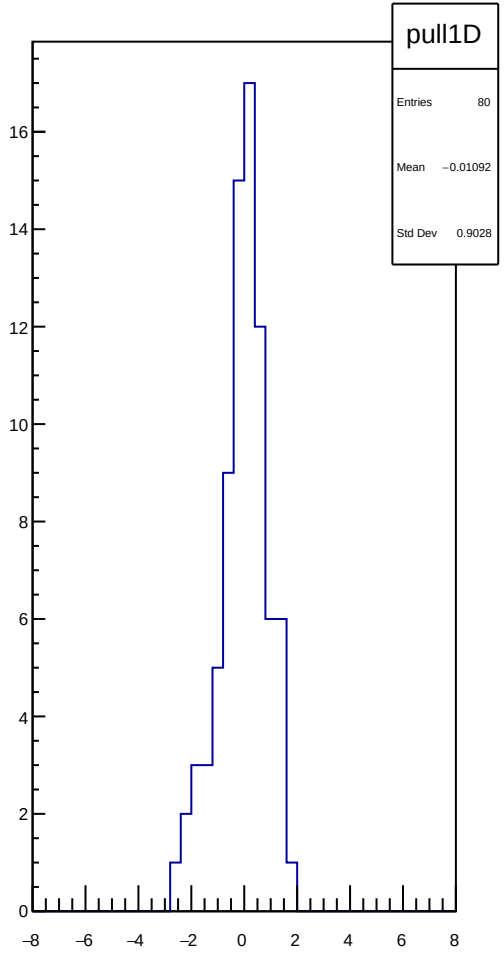

asym_usl_rms vs run
χ² / ndf 1.575e+04 / 79
p0 1922 ± 1.595
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

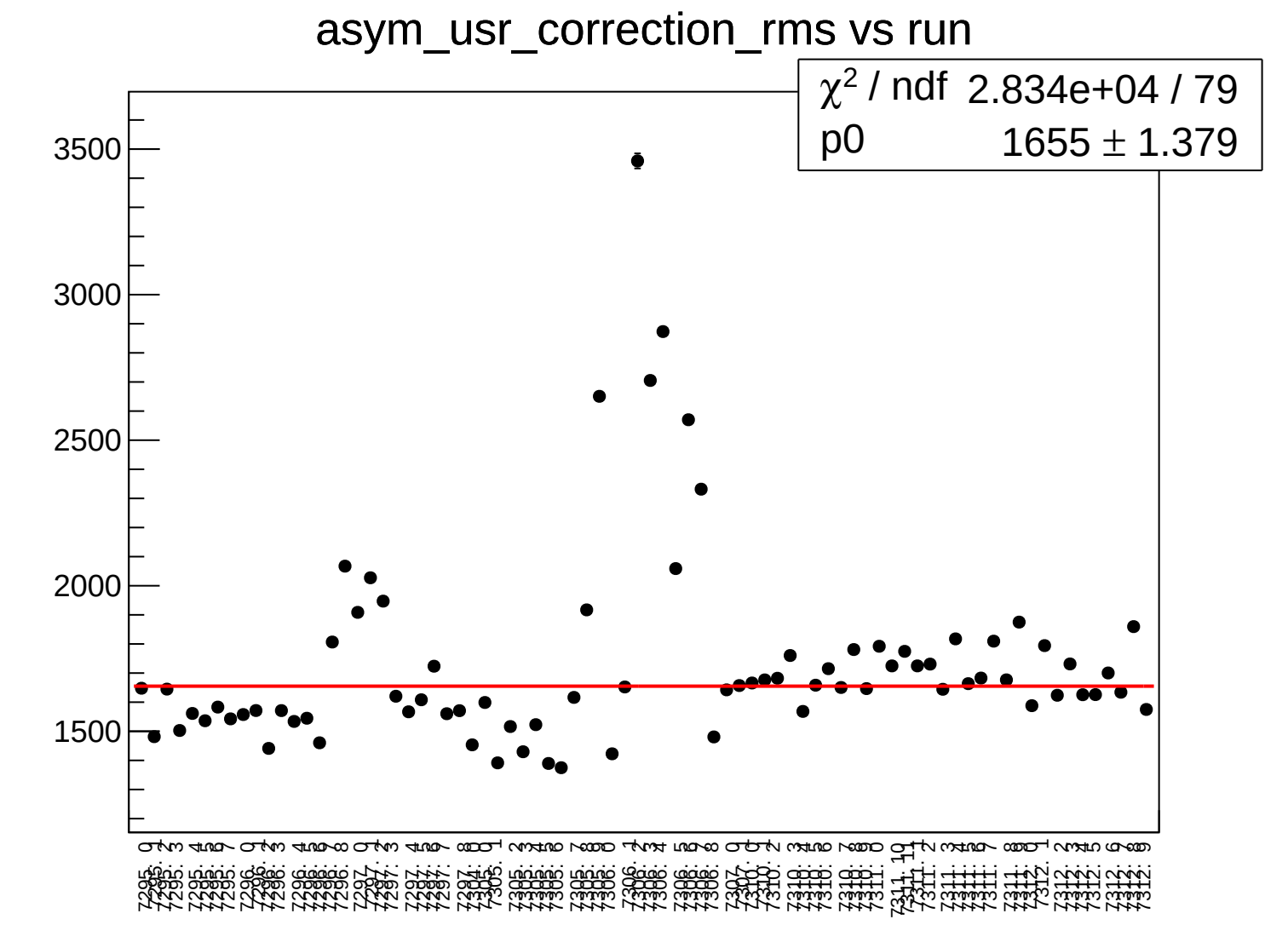

dit_asym_usr_mean vs run
χ² / ndf 81.11 / 79
p0 −4244 ± 1319
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 739.2
Std Dev 688.1
2
1
0
−1
−2
−3

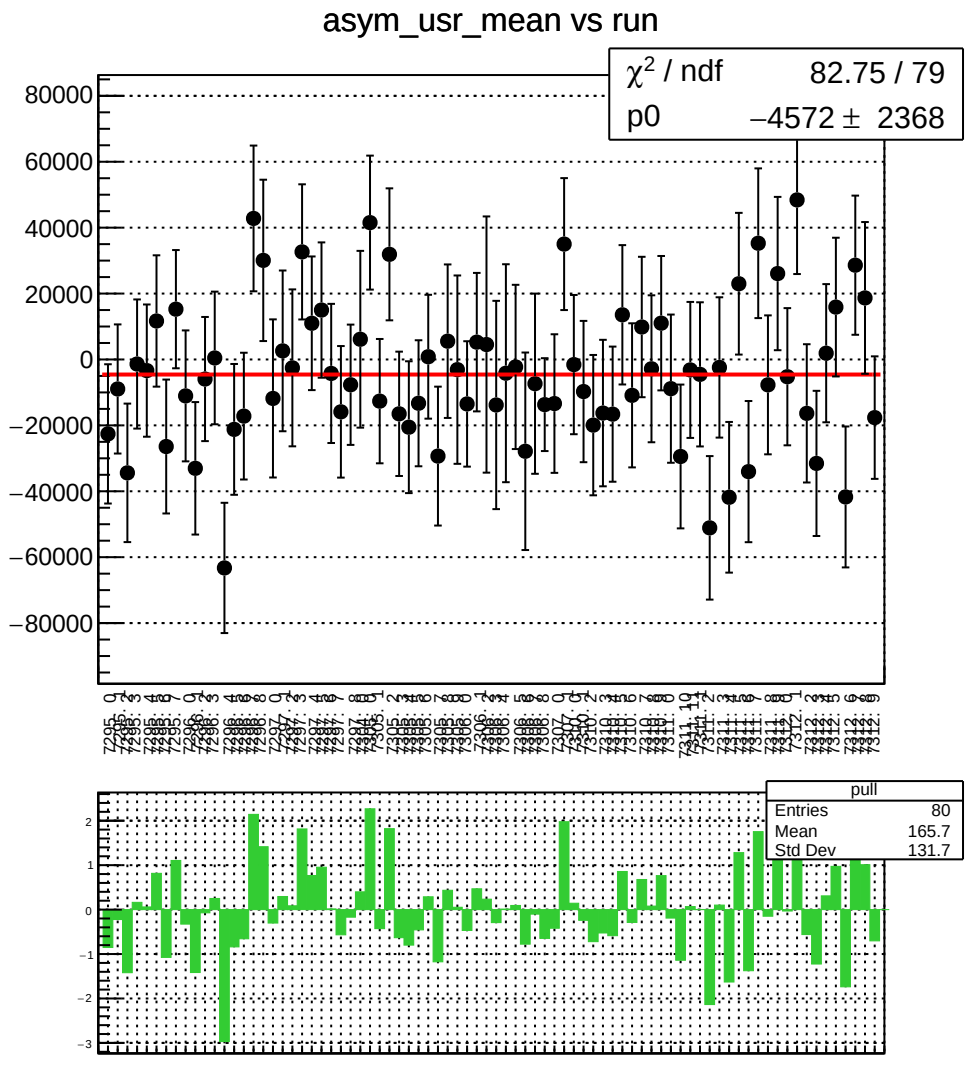

pull1D
Entries 80
Mean 0.002206
Std Dev 1.007
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

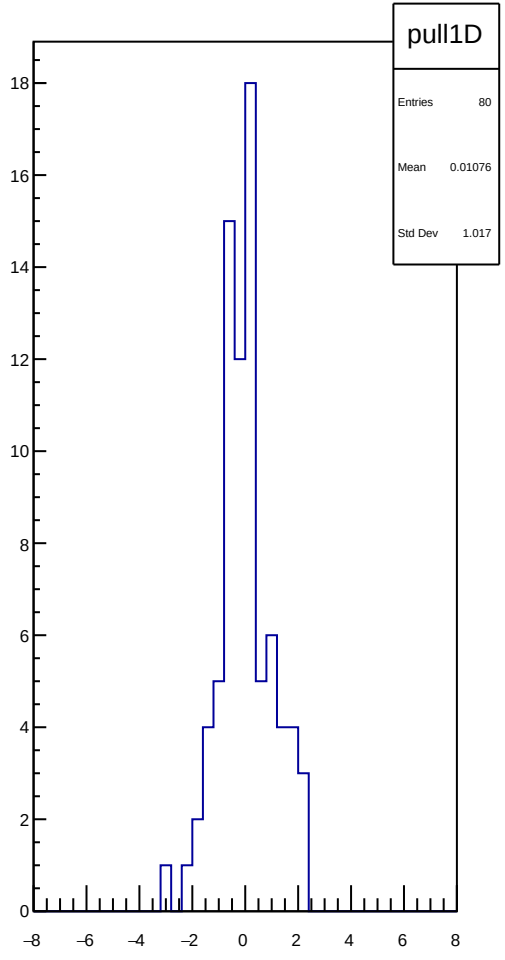

dit_asym_usr_rms vs run
χ² / ndf 449.8 / 79
p0 1130 ± 0.9324
1240
1220
1200
1180
1160
1140
1120
1100
1080

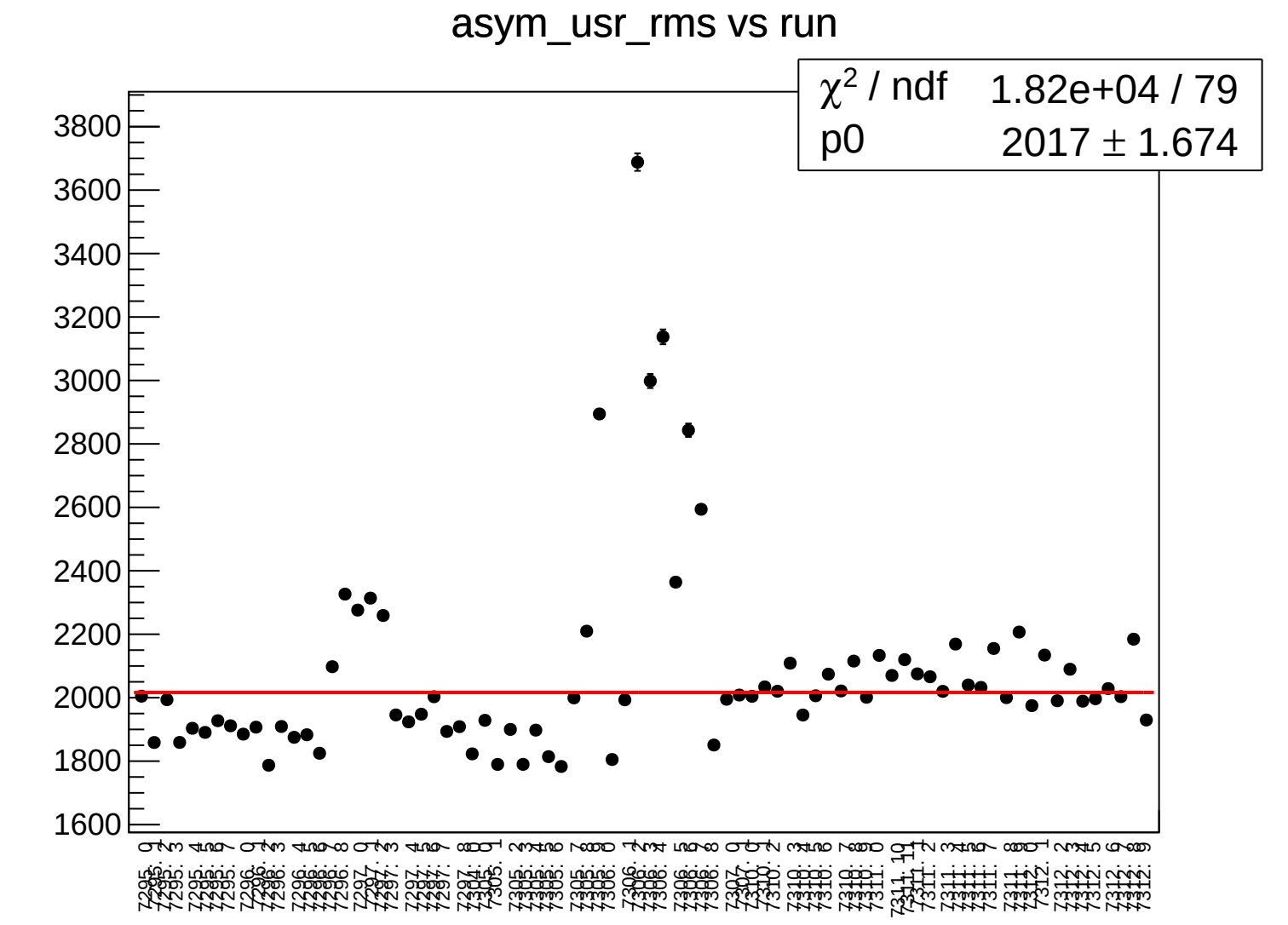

asym_usr_correction_mean vs run
χ² / ndf 65.21 / 79
p0 342.6 ± 1950
pull
Entries 80
Mean 106.9
Std Dev 89.91

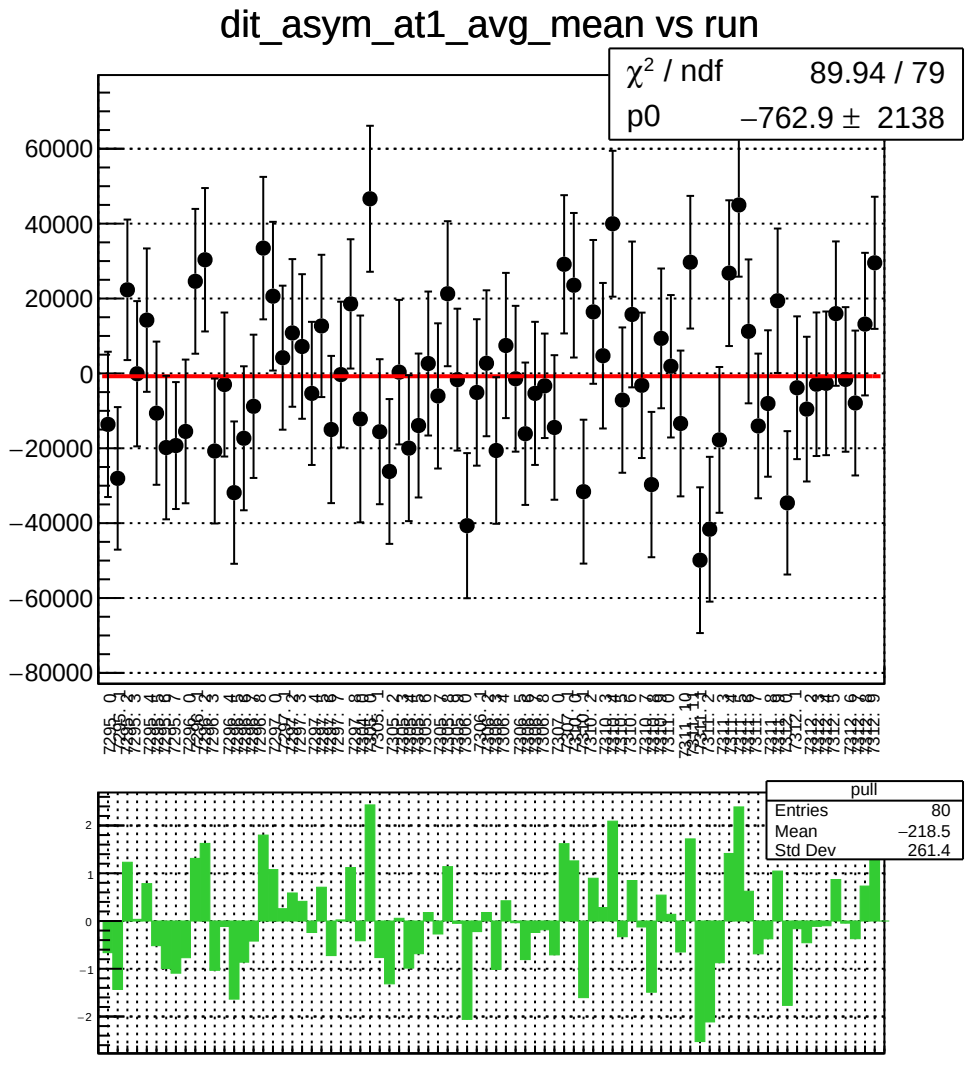

pull1D
Entries 80
Mean −0.01092
Std Dev 0.9028

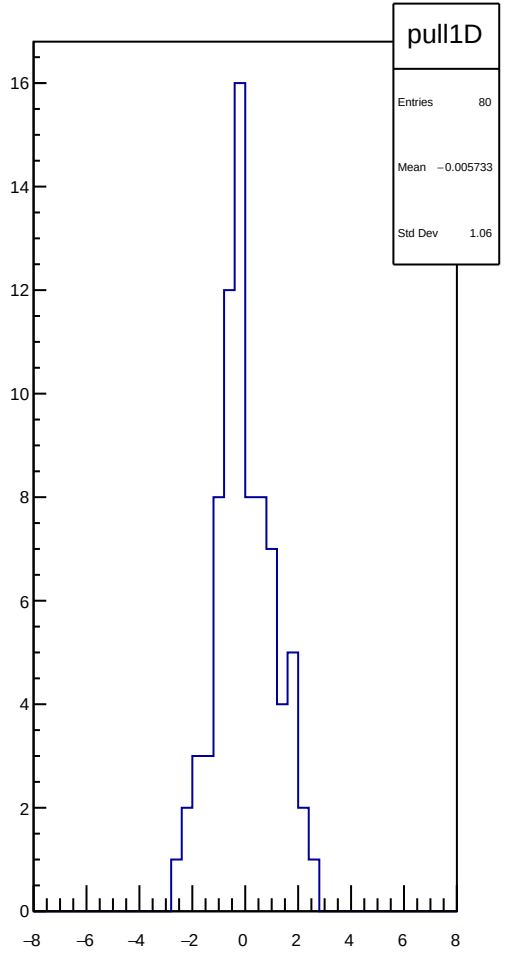

asym_usr_correction_rms vs run
χ² / ndf 2.834e+04 / 79
p0 1655 ± 1.379
3500
3000
2500
2000
1500

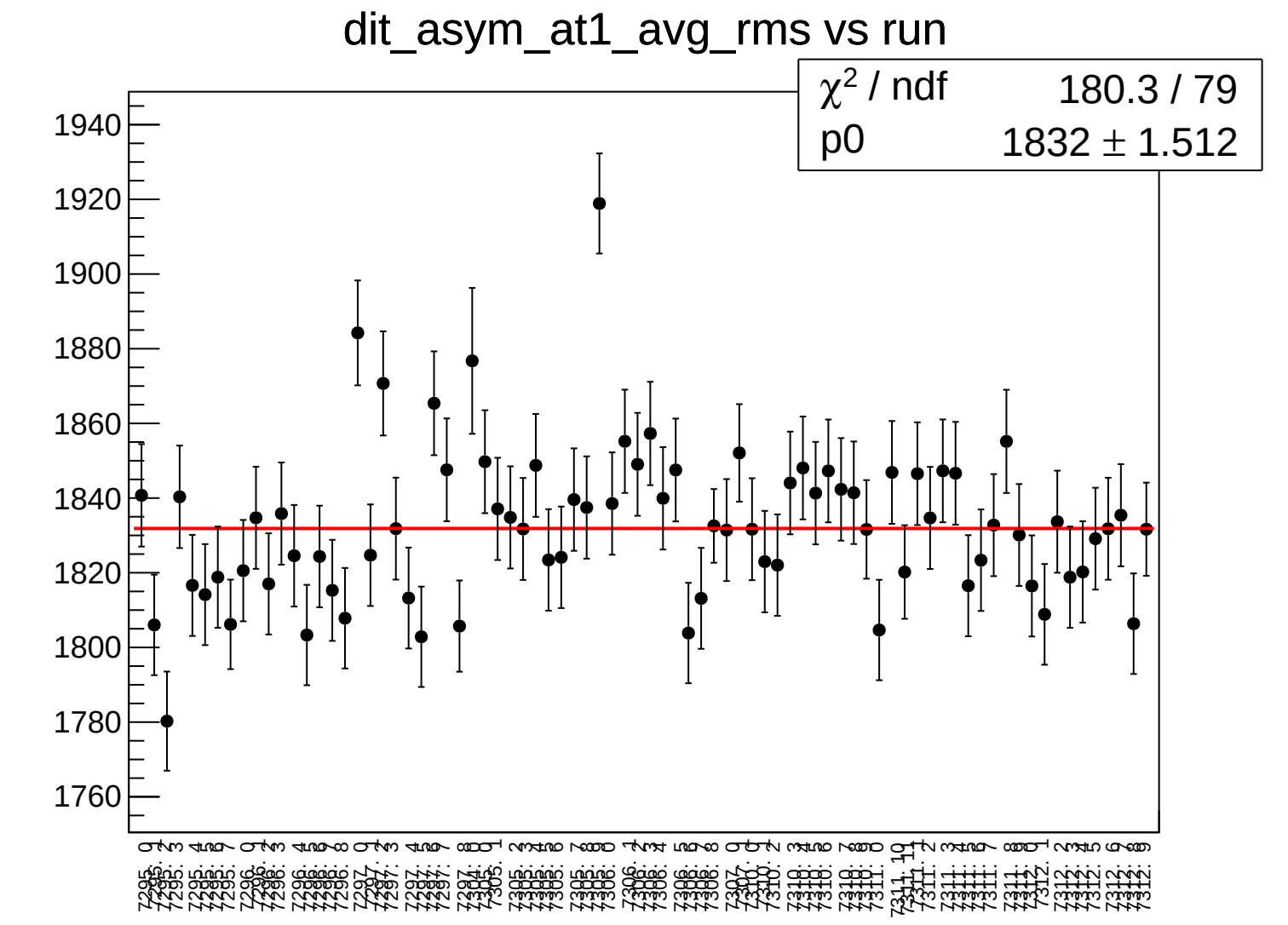

asym_usr_mean vs run
χ² / ndf 82.75 / 79
p0 −4572 ± 2368
pull
Entries 80
Mean 165.7
Std Dev 131.7

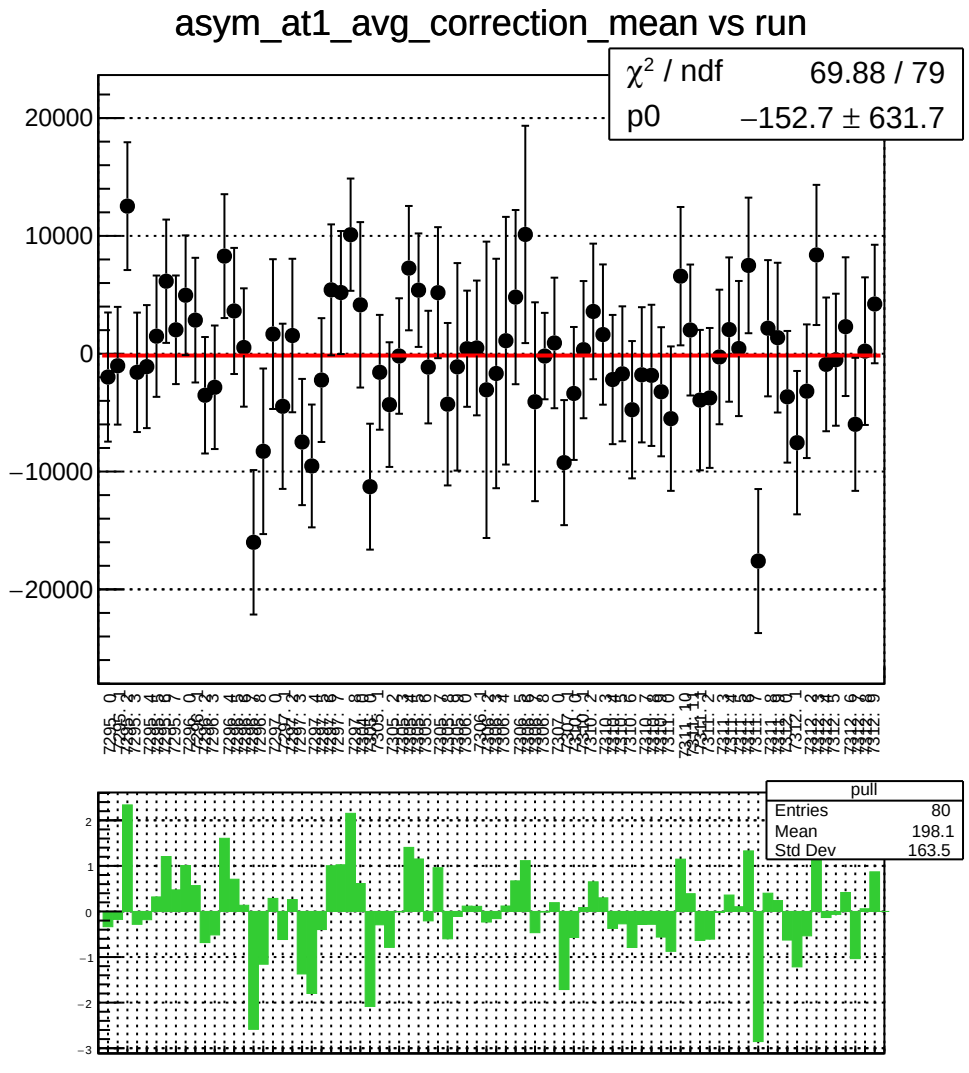

pull1D
Entries 80
Mean 0.01076
Std Dev 1.017

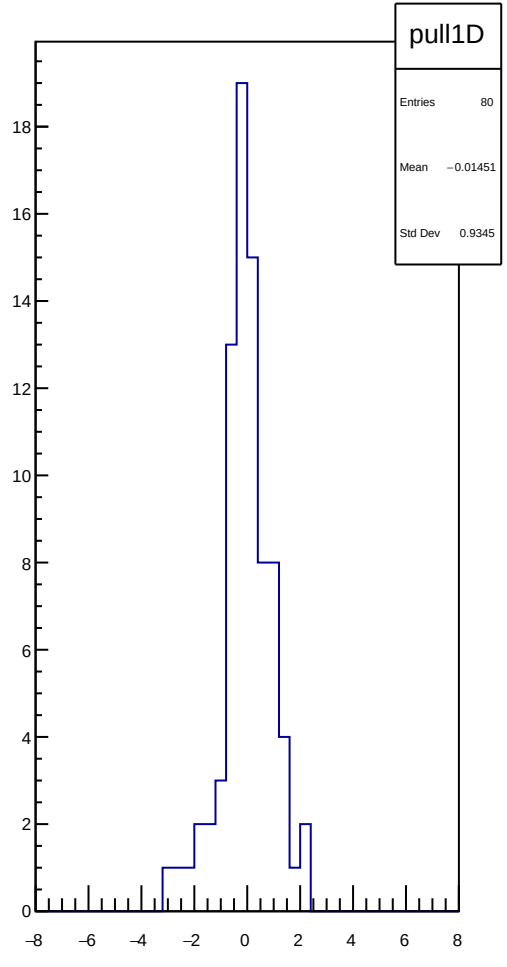

asym_usr_rms vs run
χ² / ndf 1.82e+04 / 79
p0 2017 ± 1.674
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

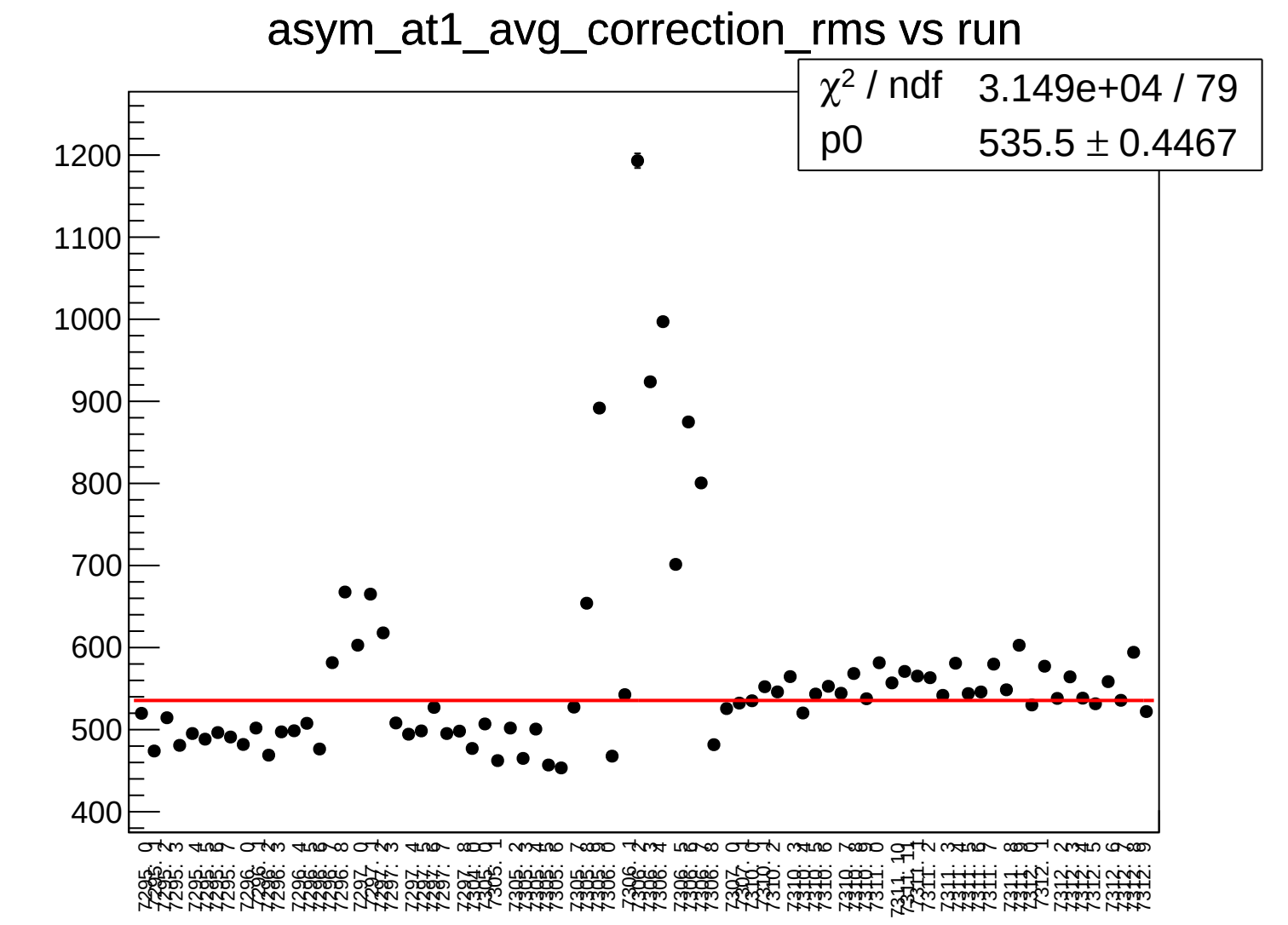

dit_asym_at1_avg_mean vs run
χ² / ndf 89.94 / 79
p0 −762.9 ± 2138
pull
Entries 80
Mean −218.5
Std Dev 261.4

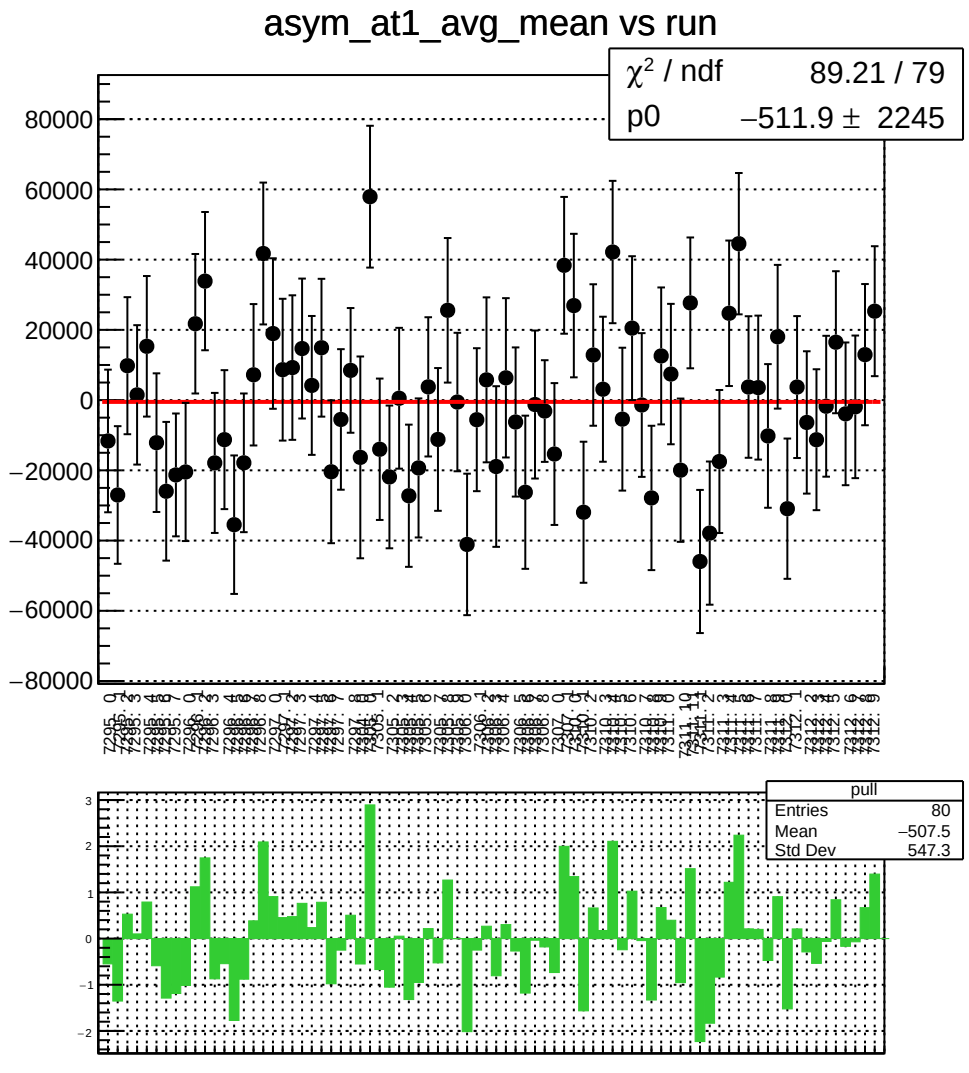

pull1D
Entries 80
Mean −0.005733
Std Dev 1.06

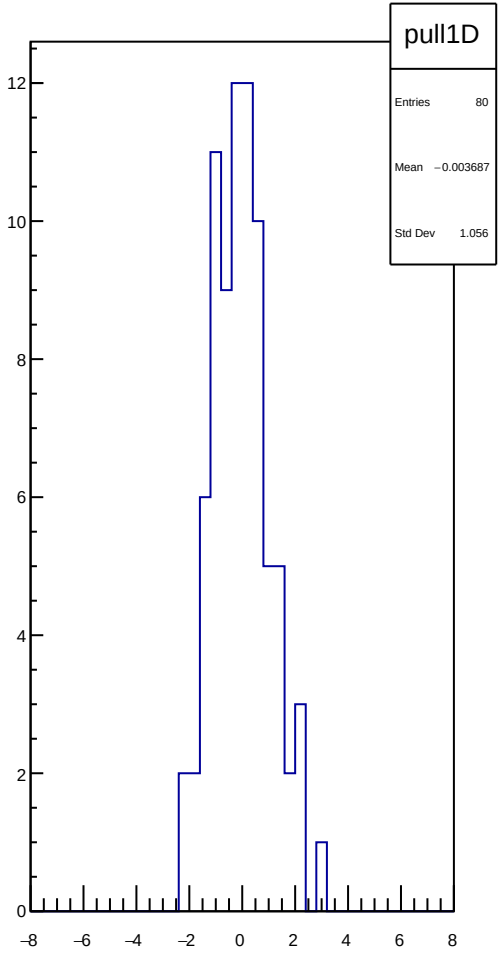

dit_asym_at1_avg_rms vs run
χ² / ndf 180.3 / 79
p0 1832 ± 1.512
1940
1920
1900
1880
1860
1840
1820
1800
1780
1760

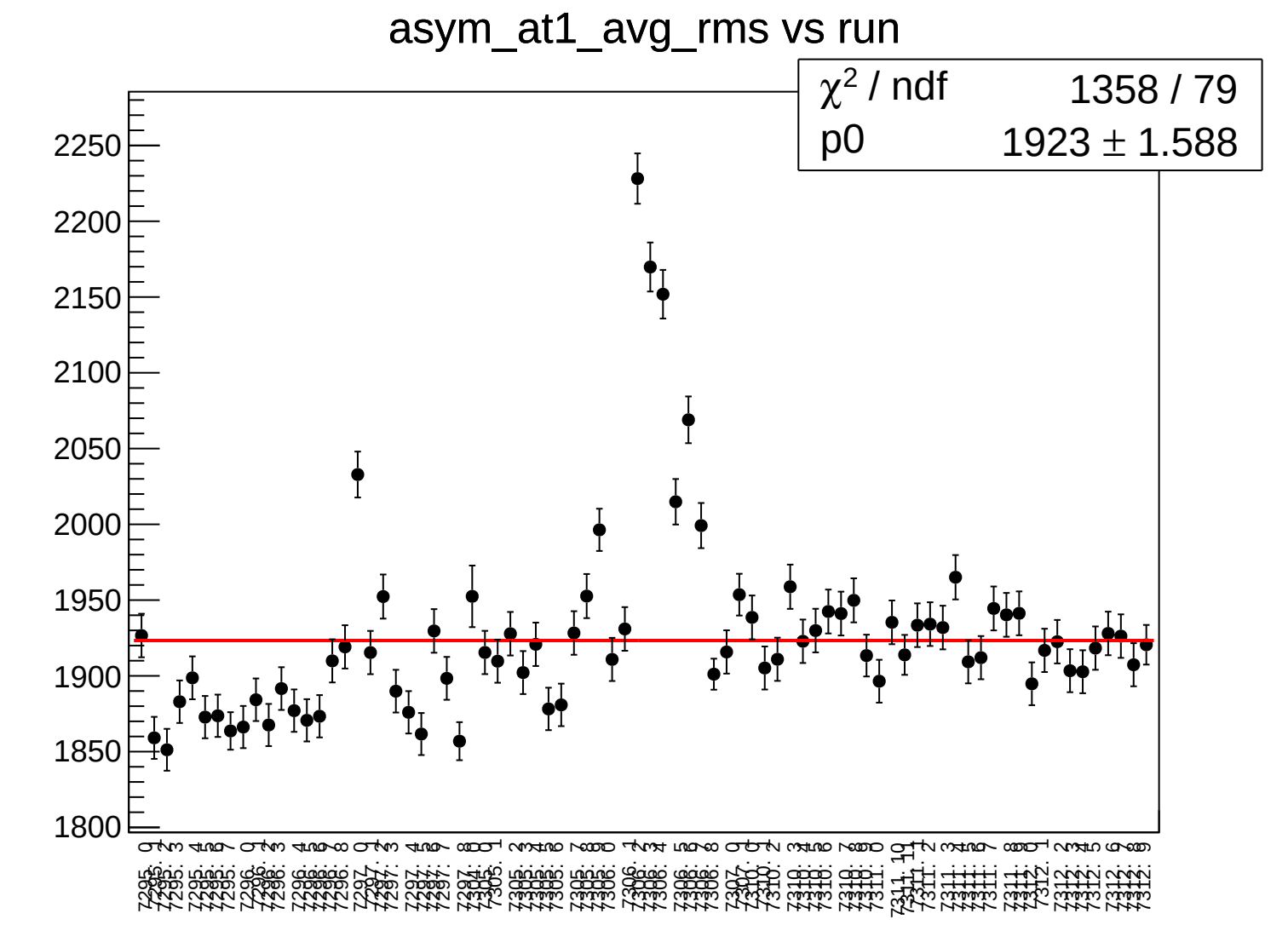

asym_at1_avg_correction_mean vs run
χ² / ndf 69.88 / 79
p0 −152.7 ± 631.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 198.1
Std Dev 163.5
2
1
0
−1
−2
−3

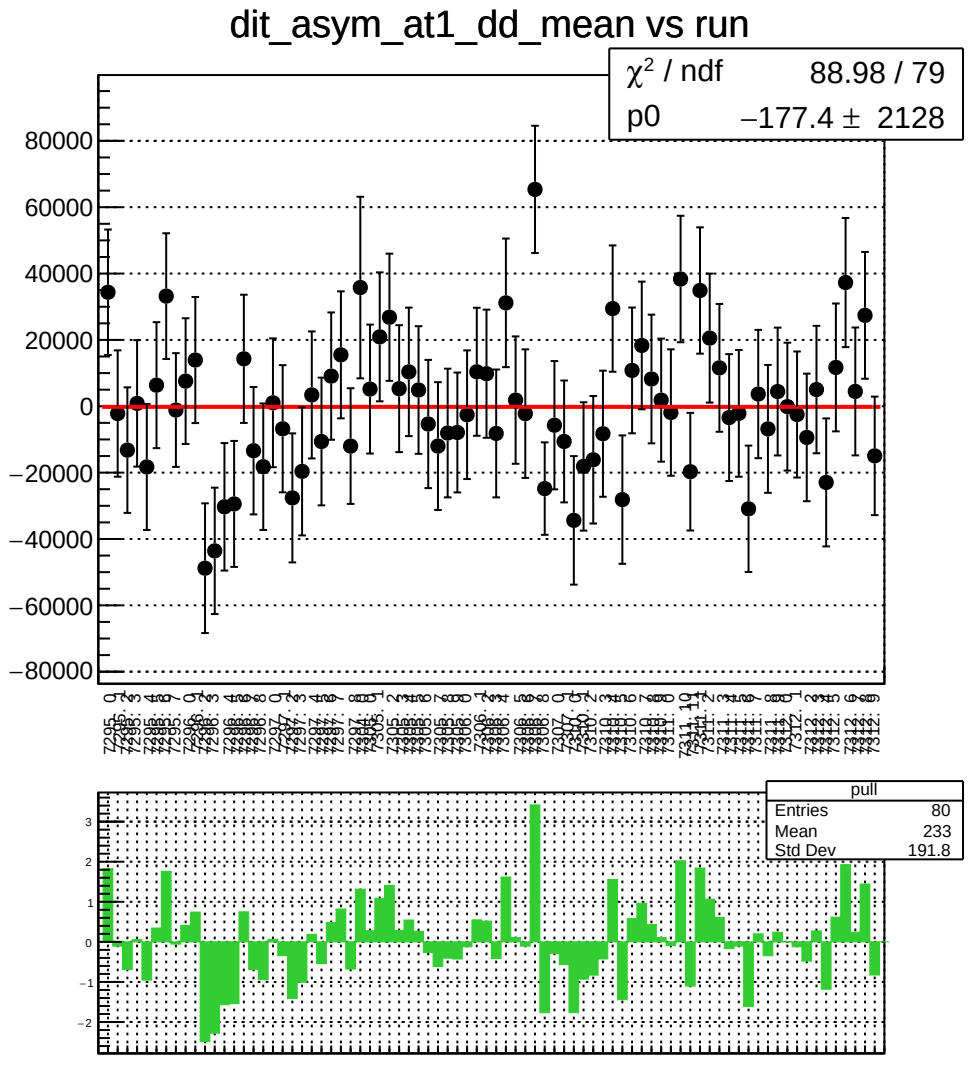

pull1D
Entries 80
Mean −0.01451
Std Dev 0.9345
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

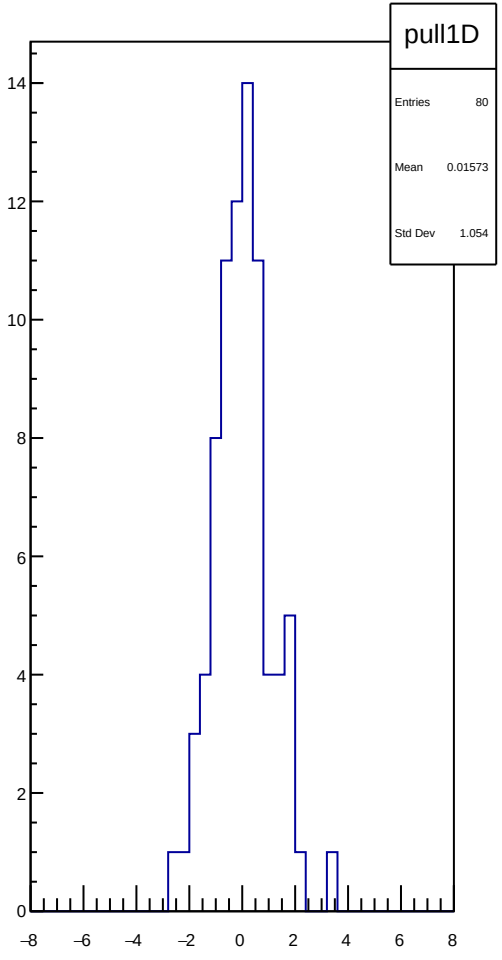

asym_at1_avg_correction_rms vs run
χ² / ndf 3.149e+04 / 79
p0 535.5 ± 0.4467
1200
1100
1000
900
800
700
600
500
400

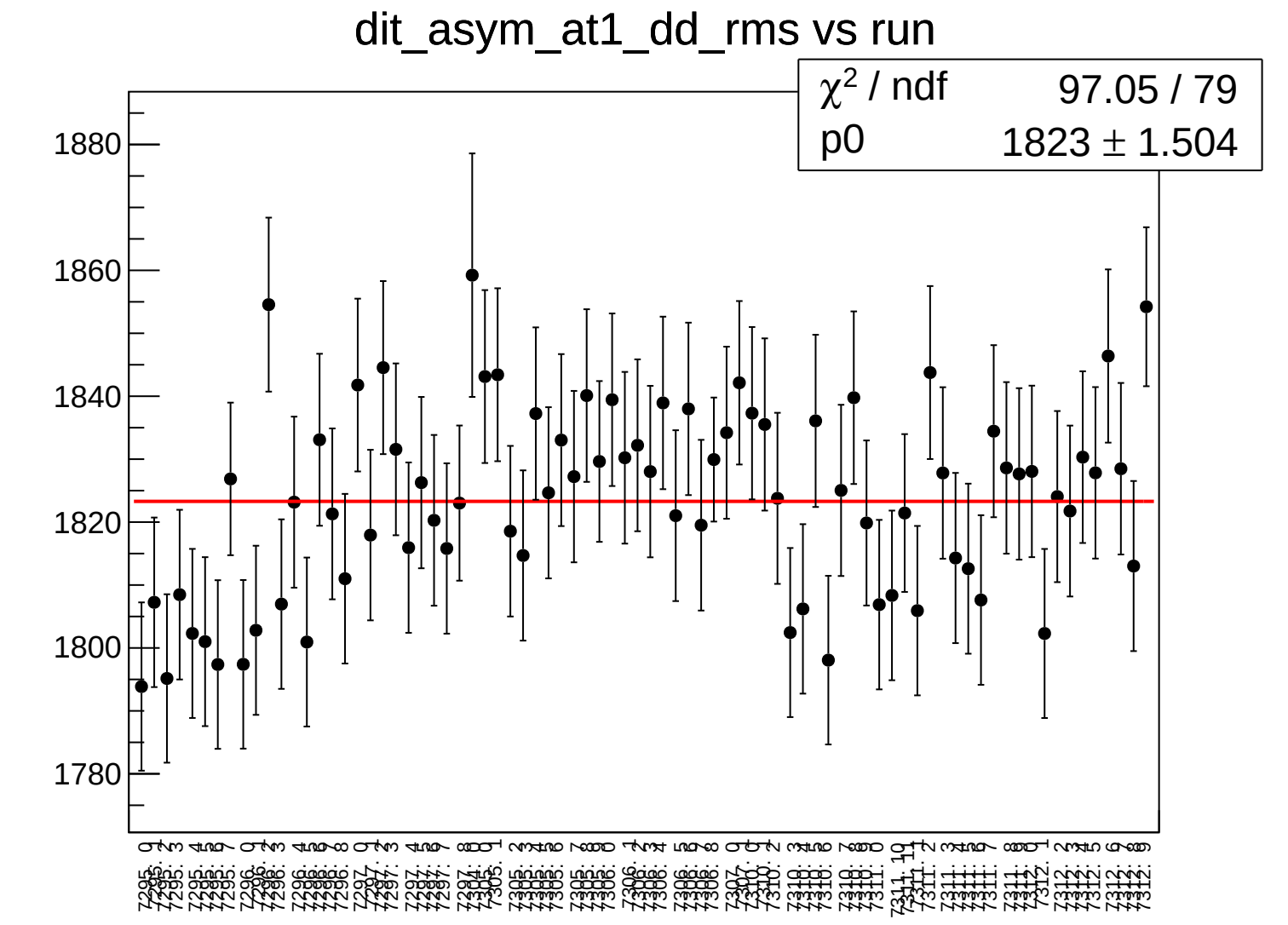

asym_at1_avg_mean vs run
χ² / ndf 89.21 / 79
p0 −511.9 ± 2245
pull
Entries 80
Mean −507.5
Std Dev 547.3

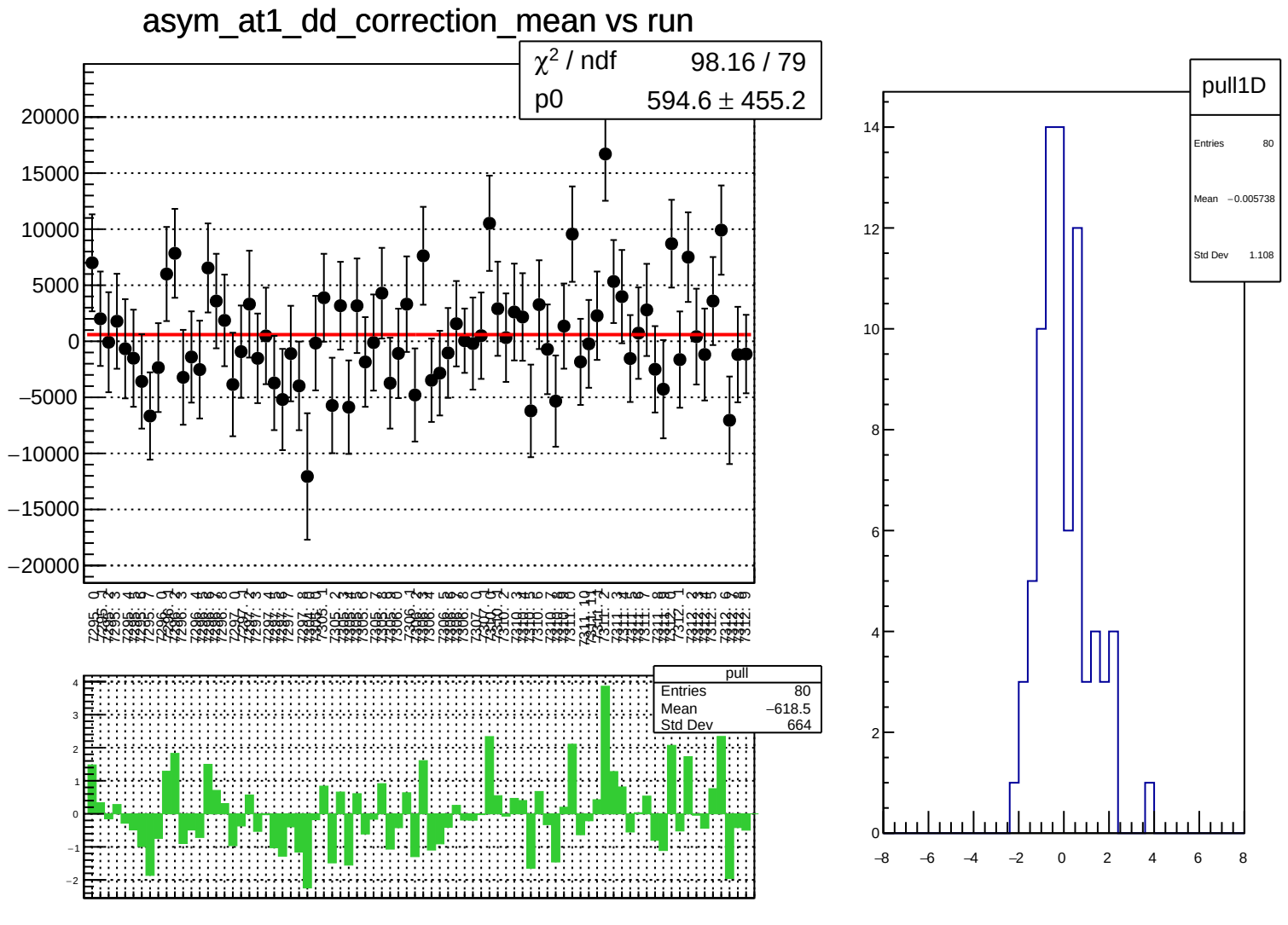

pull1D
Entries 80
Mean −0.003687
Std Dev 1.056

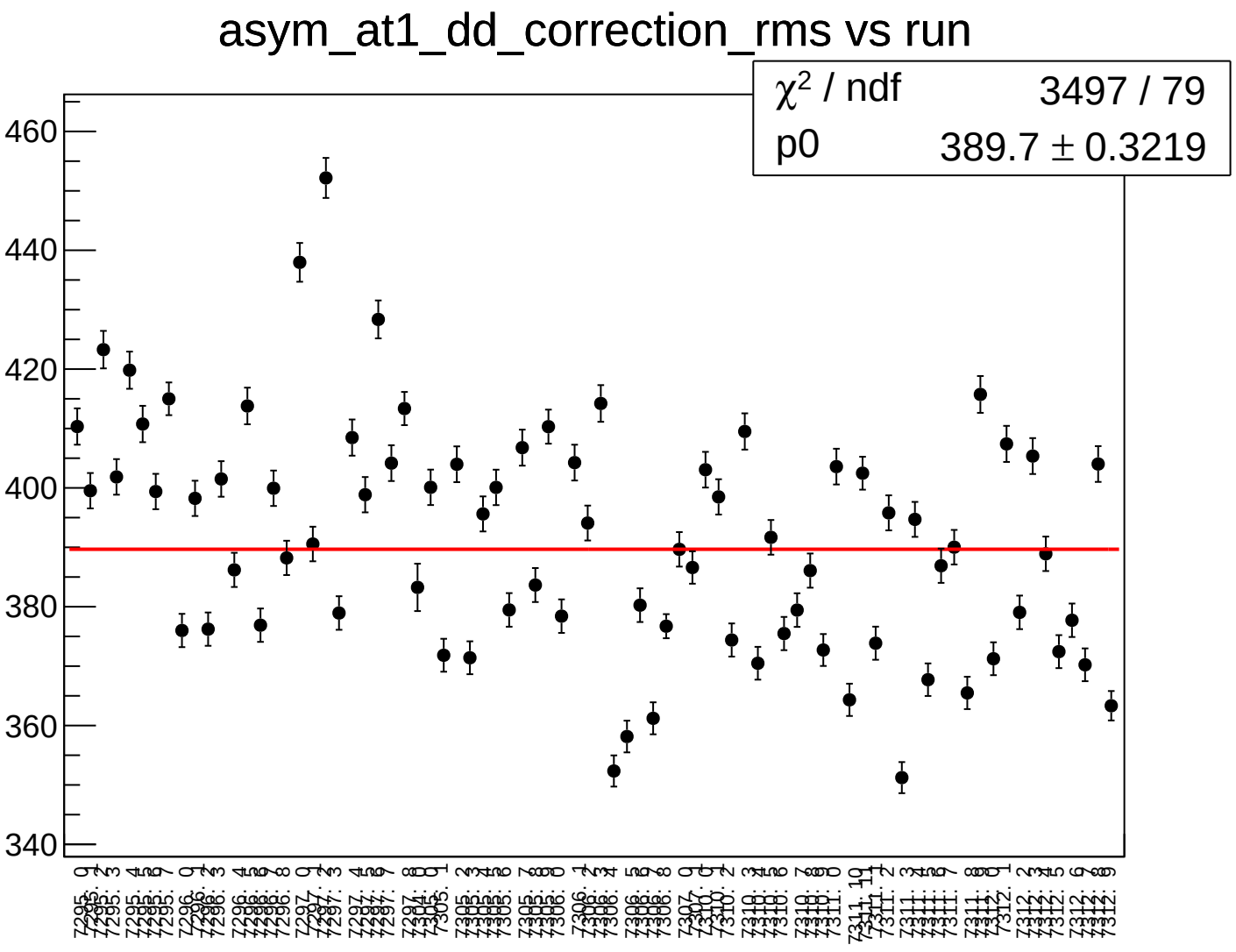

asym_at1_avg_rms vs run
χ^2 / ndf 1358 / 79
p0 1923 ± 1.588
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

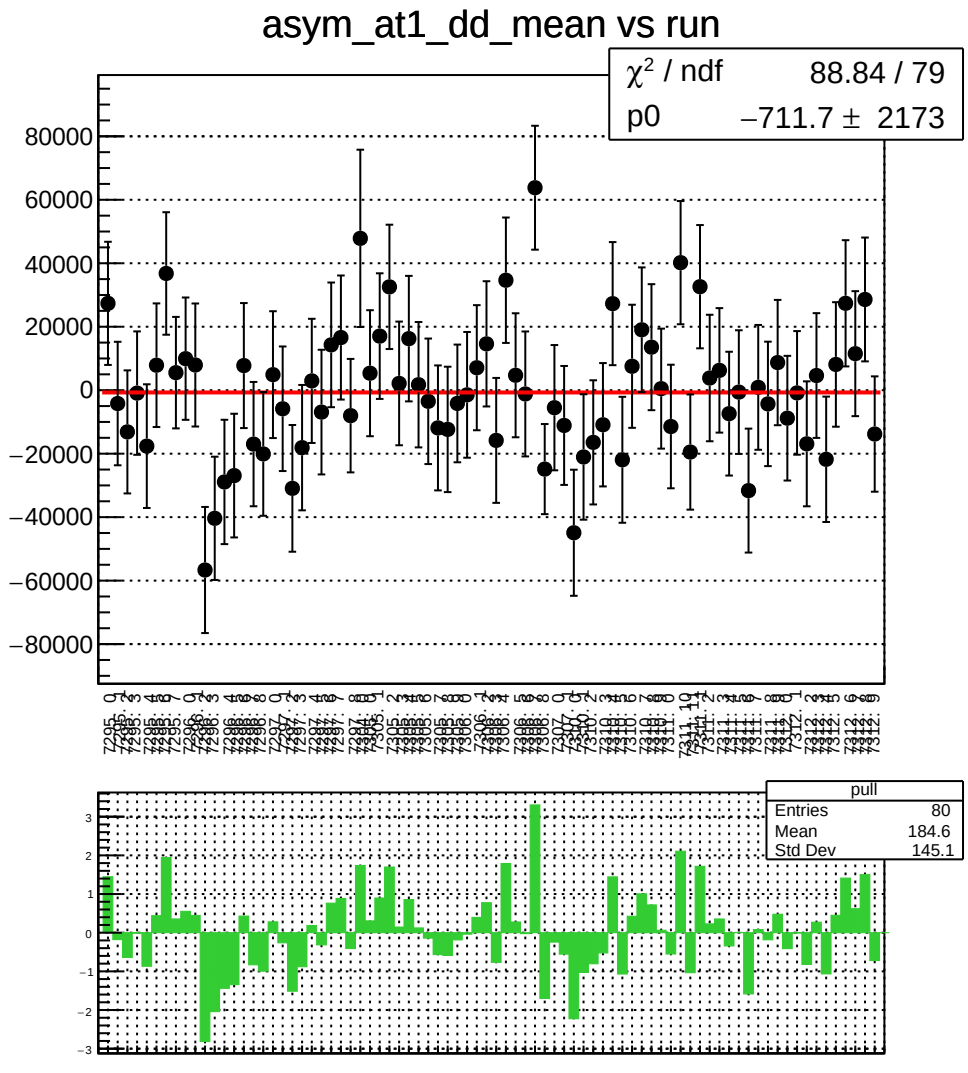

dit_asym_at1_dd_mean vs run
χ² / ndf 88.98 / 79
p0 −177.4 ± 2128
pull
Entries 80
Mean 233
Std Dev 191.8

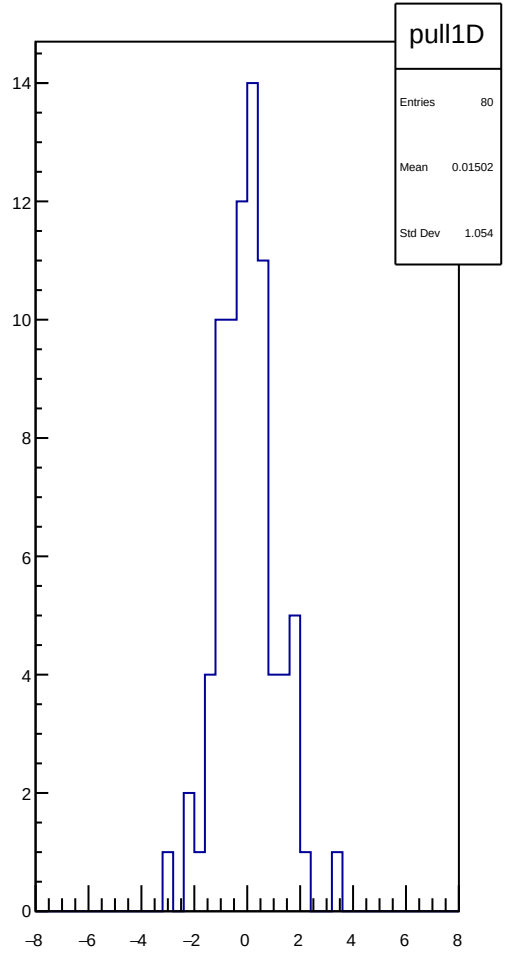

pull1D
Entries 80
Mean 0.01573
Std Dev 1.054

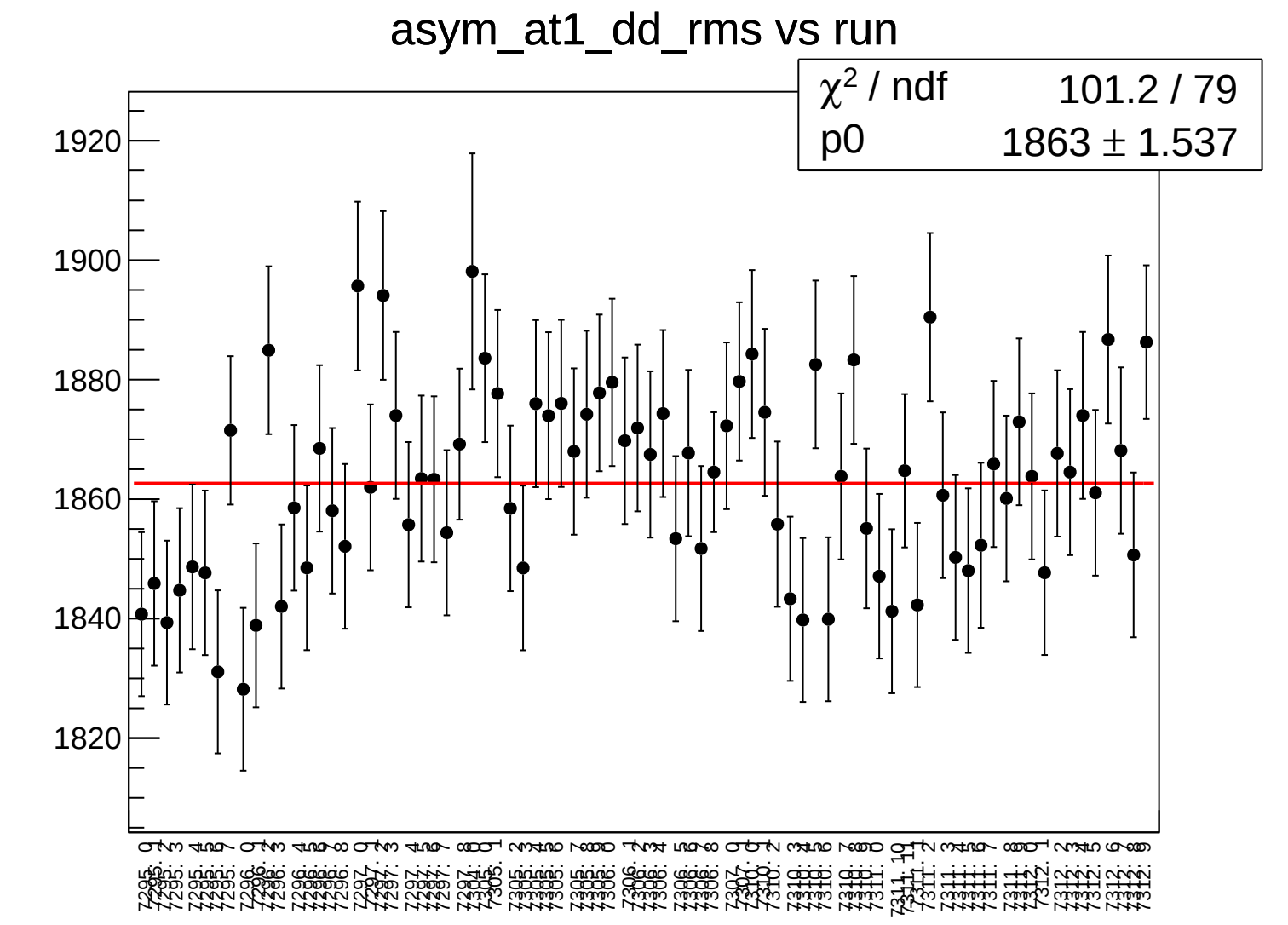

dit_asym_at1_dd_rms vs run
χ² / ndf 97.05 / 79
p0 1823 ± 1.504
1880
1860
1840
1820
1800
1780

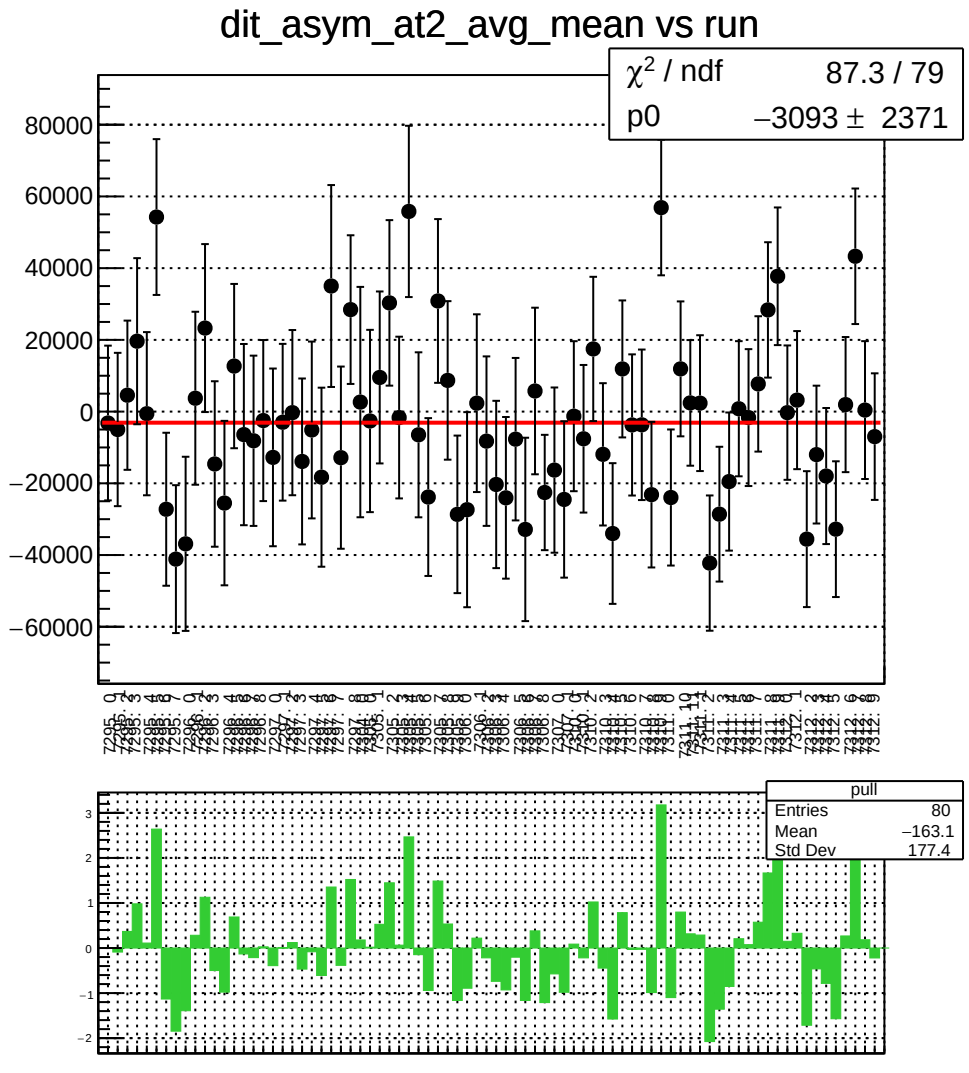

asym_at1_dd_correction_mean vs run
χ² / ndf 98.16 / 79
p0 594.6 ± 455.2
pull
Entries 80
Mean −618.5
Std Dev 664
pull1D
Entries 80
Mean −0.005738
Std Dev 1.108

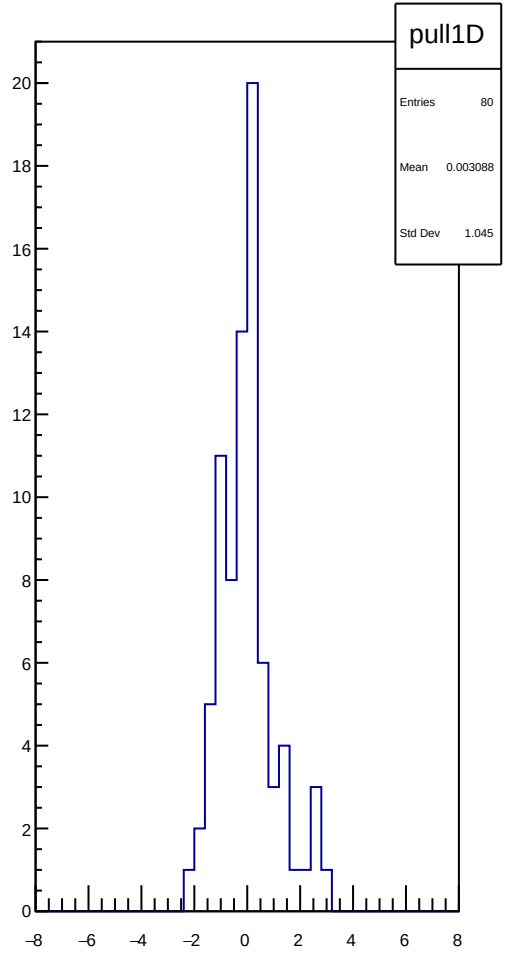

asym_at1_dd_correction_rms vs run
χ² / ndf 3497 / 79
p0 389.7 ± 0.3219
460
440
420
400
380
360
340

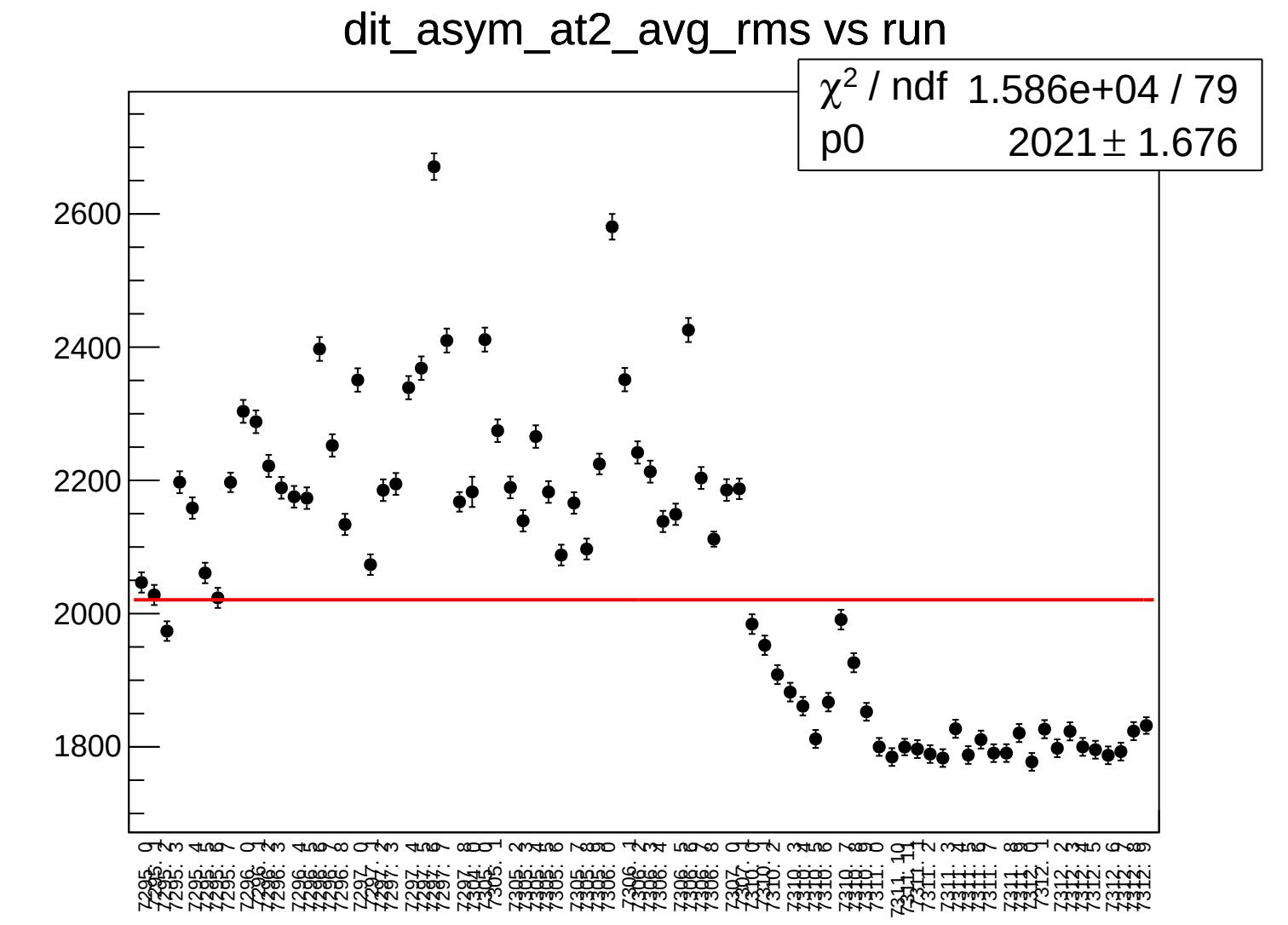

asym_at1_dd_mean vs run
χ² / ndf 88.84 / 79
p0 −711.7 ± 2173
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 184.6
Std Dev 145.1
3
2
1
0
−1
−2
−3

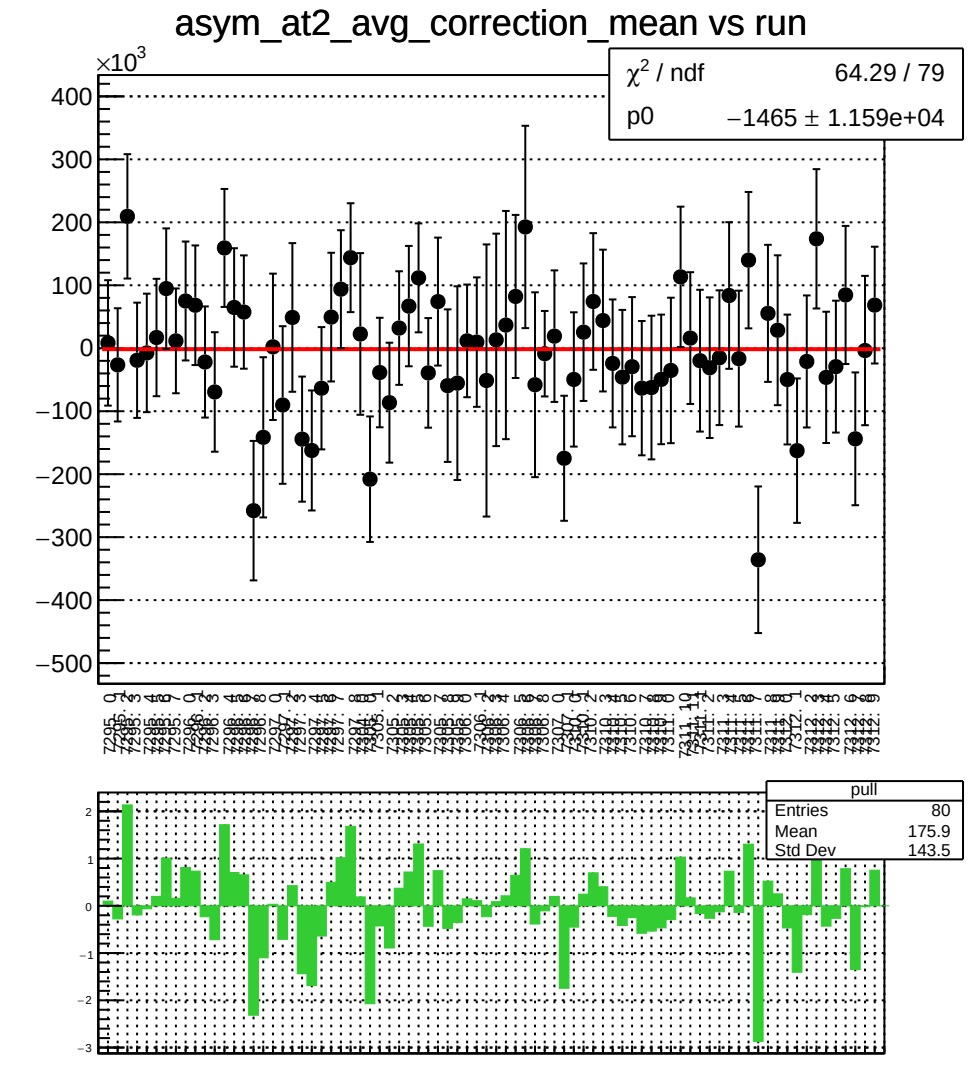

pull1D
Entries 80
Mean 0.01502
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

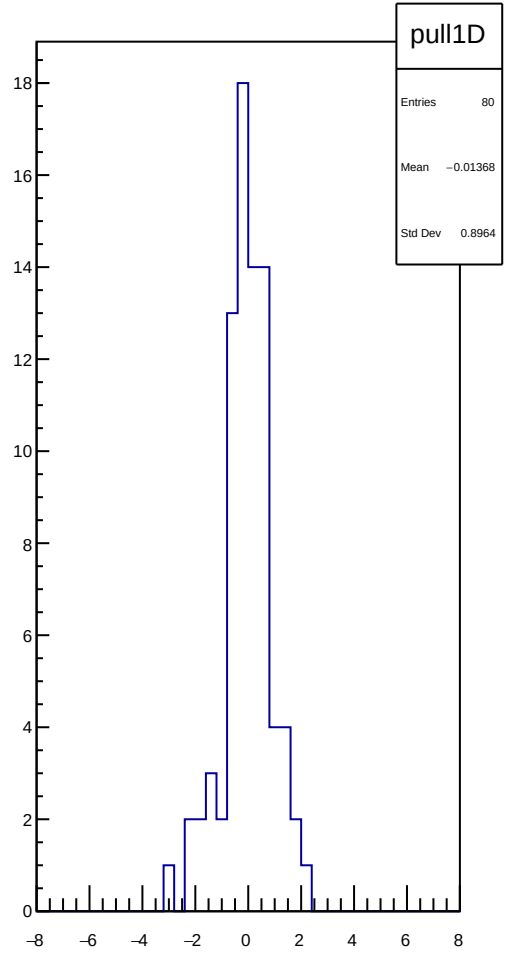

asym_at1_dd_rms vs run
χ^2 / ndf 101.2 / 79
p0 1863 ± 1.537
1920
1900
1880
1860
1840
1820

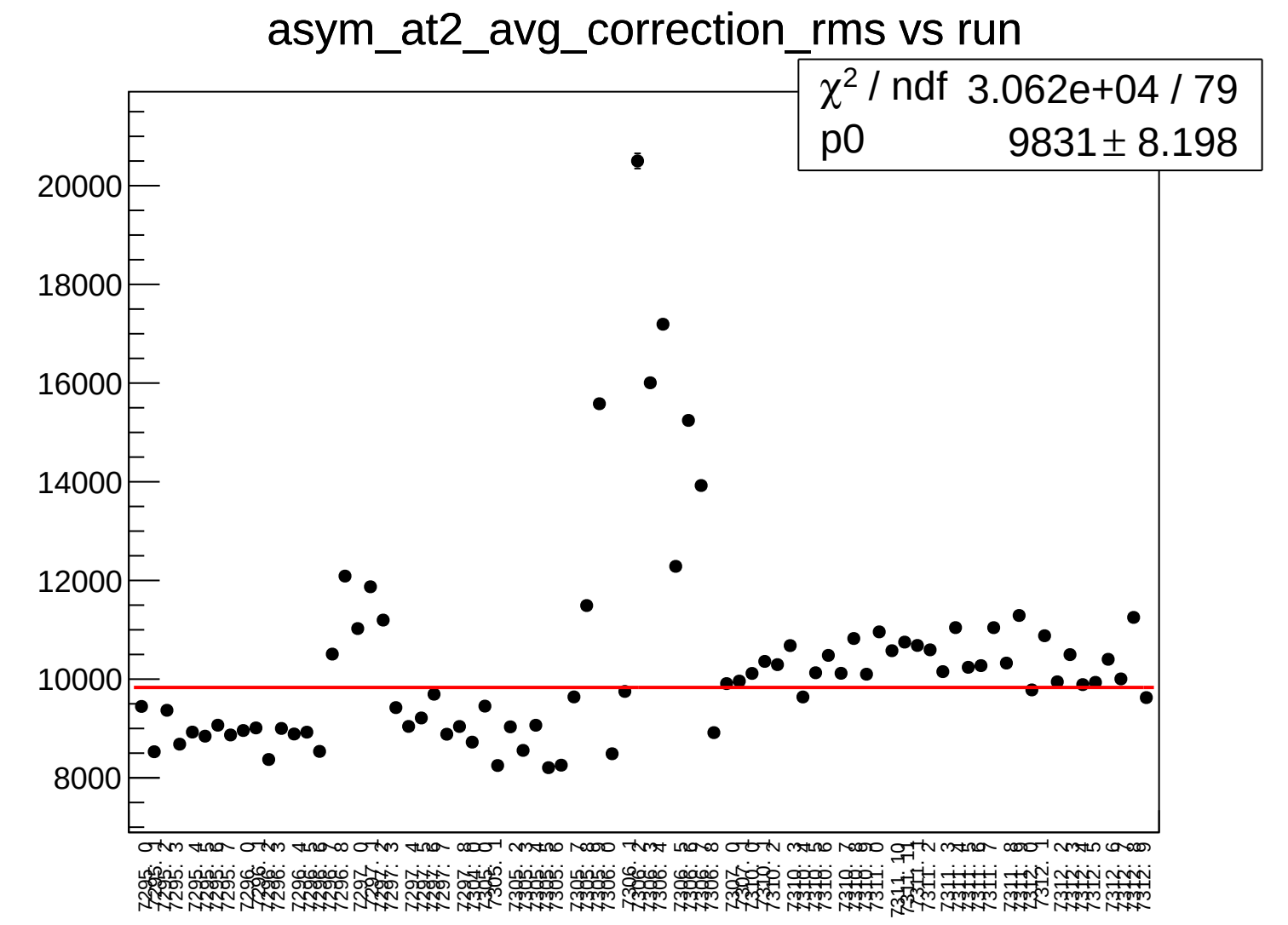

dit_asym_at2_avg_mean vs run
χ² / ndf 87.3 / 79
p0 −3093 ± 2371
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −163.1
Std Dev 177.4
3
2
1
0
−1
−2

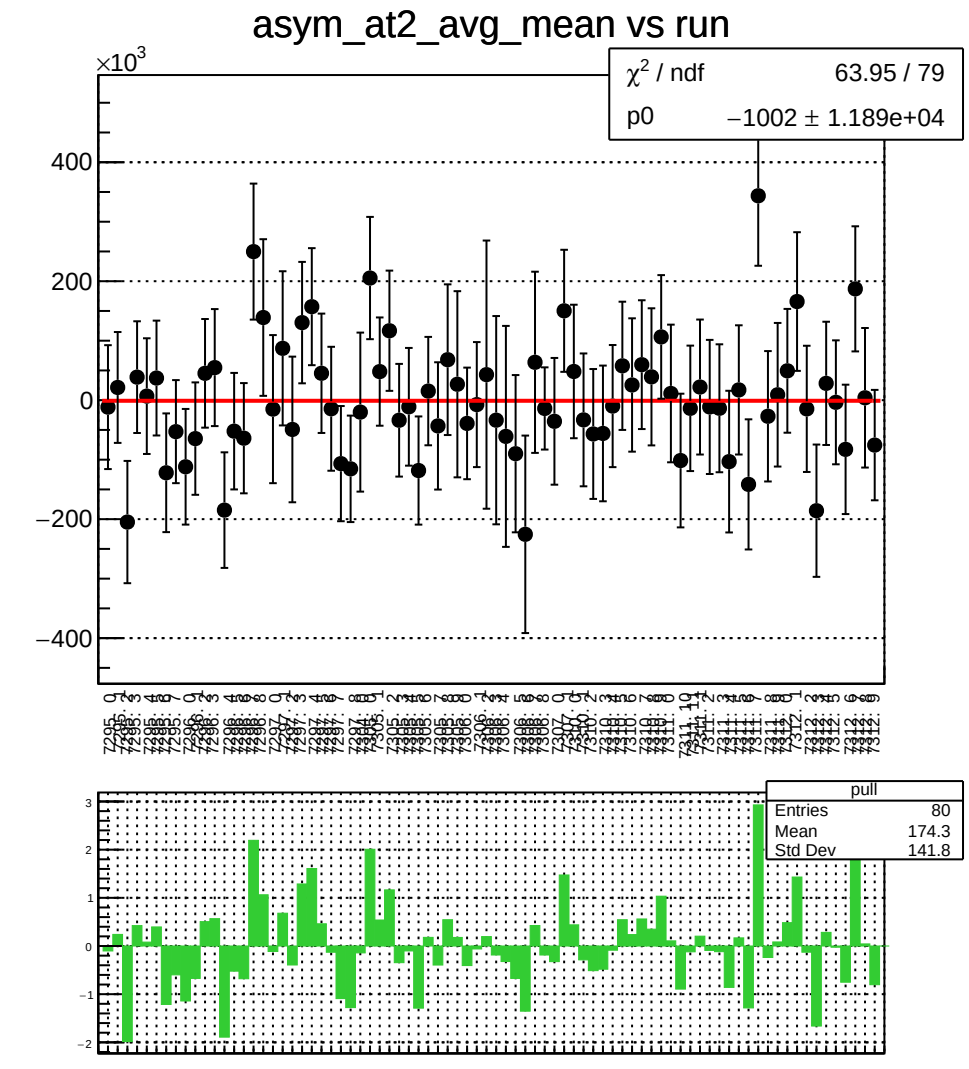

pull1D
Entries 80
Mean 0.003088
Std Dev 1.045
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

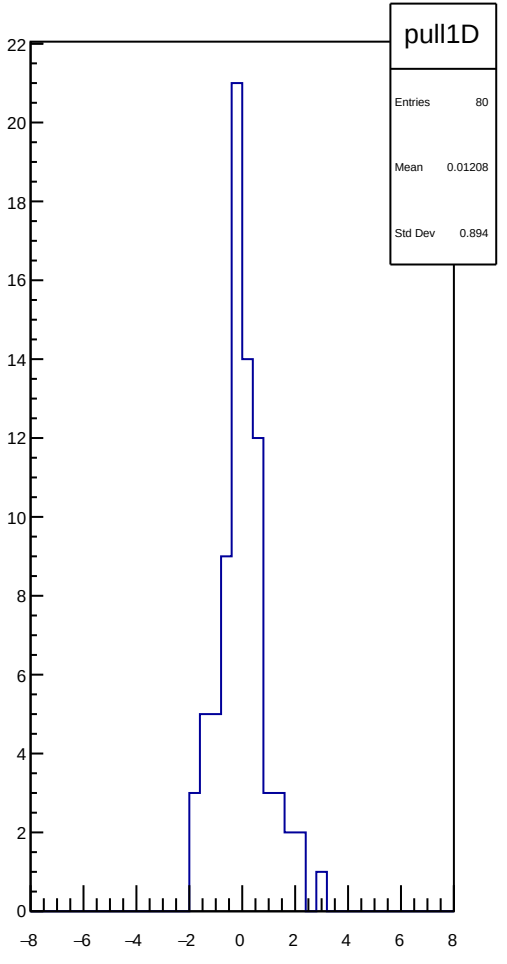

dit_asym_at2_avg_rms vs run
χ² / ndf 1.586e+04 / 79
p0 2021 ± 1.676
2600
2400
2200
2000
1800

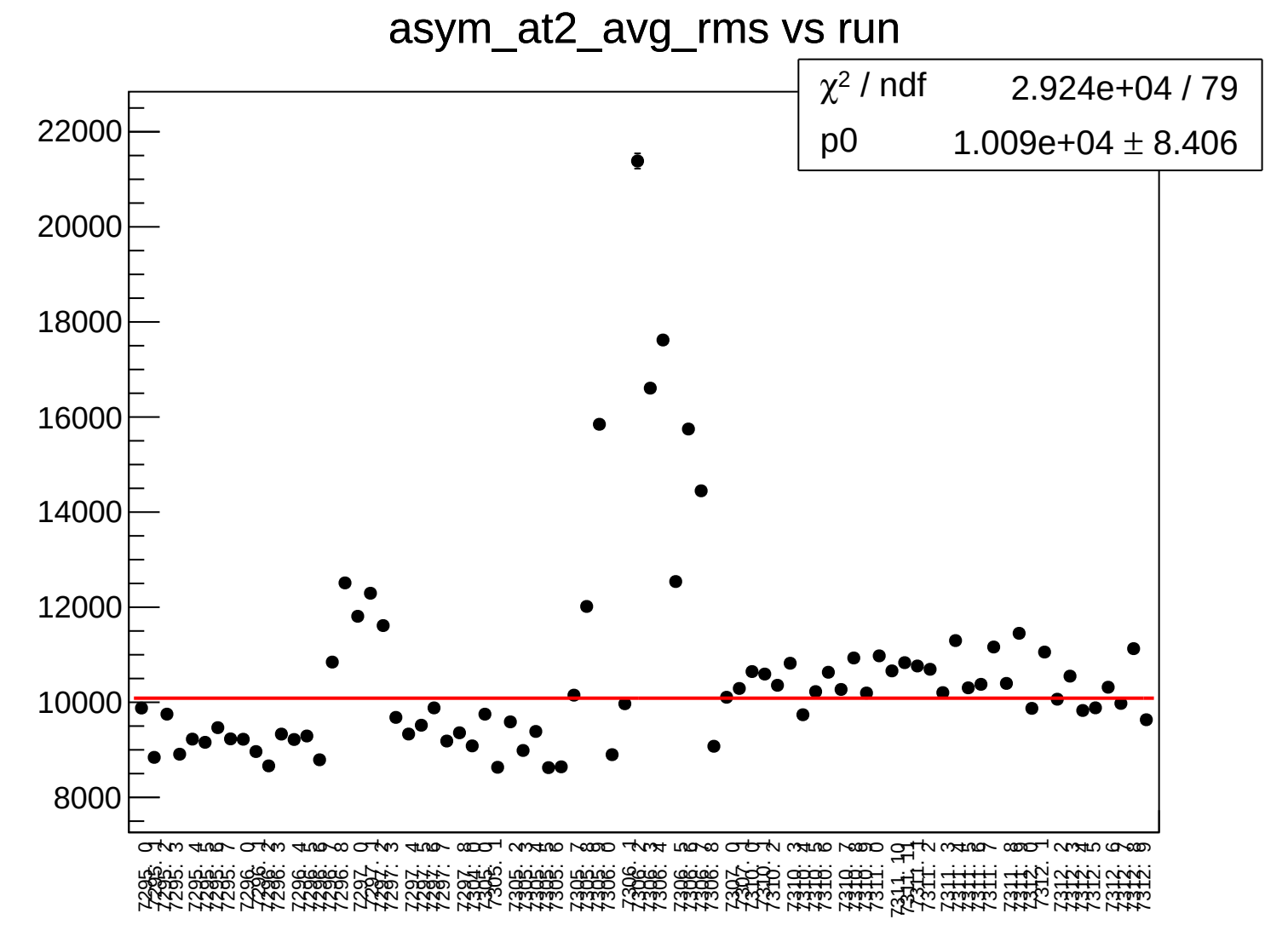

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 64.29 / 79
p0 −1465 ± 1.159e+04
pull
Entries 80
Mean 175.9
Std Dev 143.5

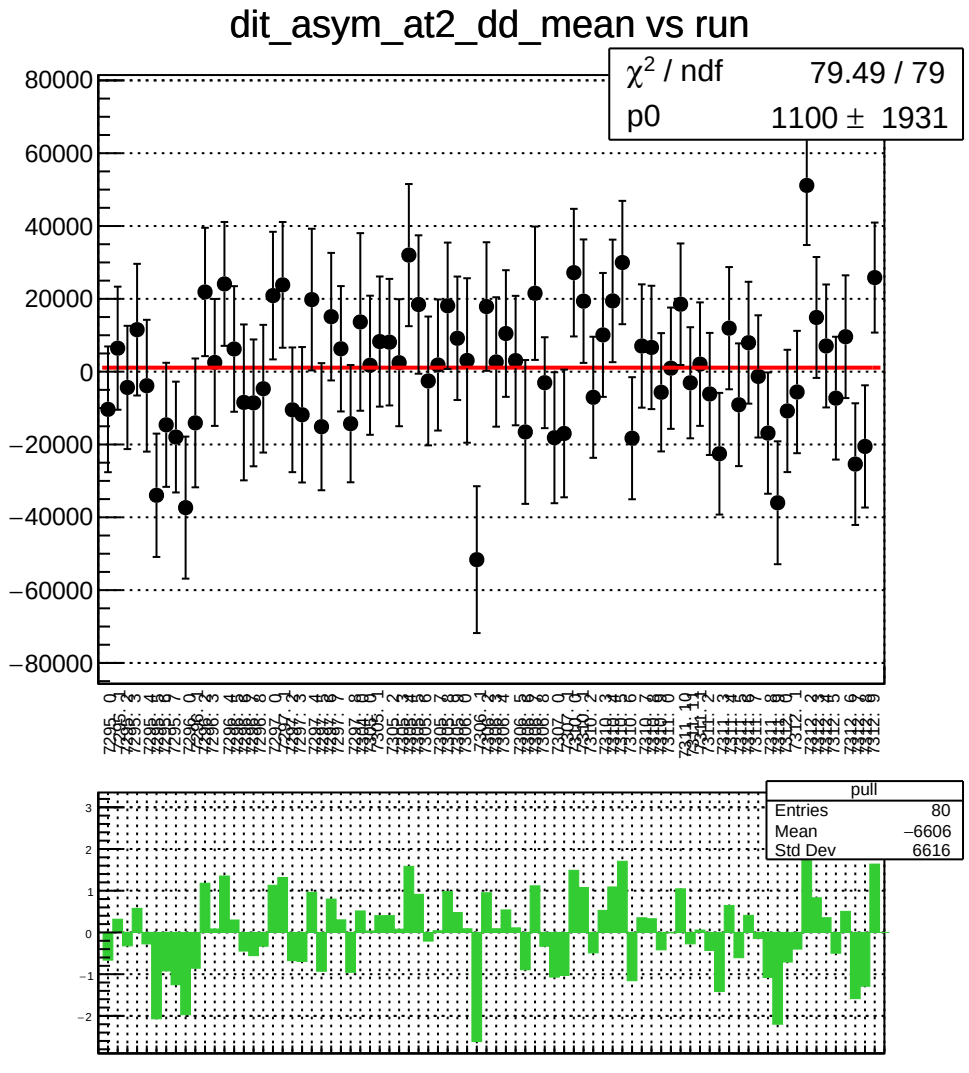

pull1D
Entries 80
Mean −0.01368
Std Dev 0.8964

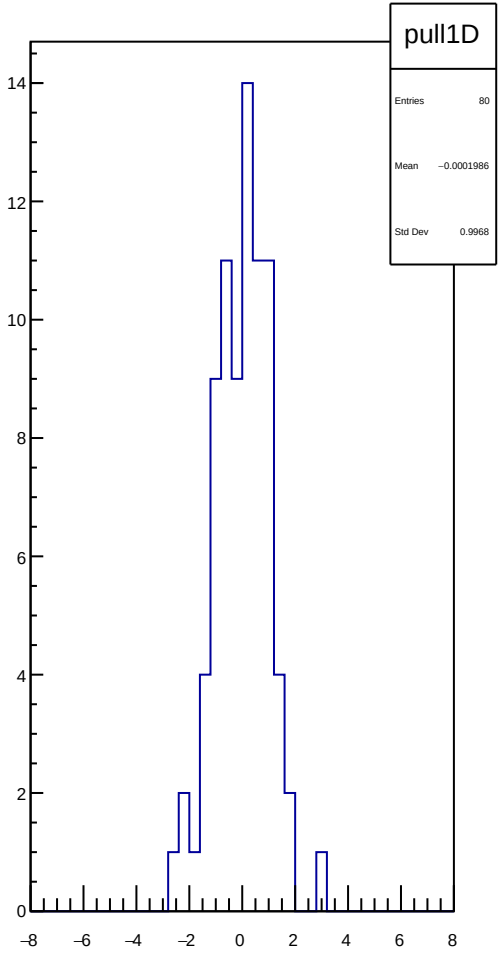

asym_at2_avg_correction_rms vs run
χ² / ndf 3.062e+04 / 79
p0 9831 ± 8.198
20000
18000
16000
14000
12000
10000
8000

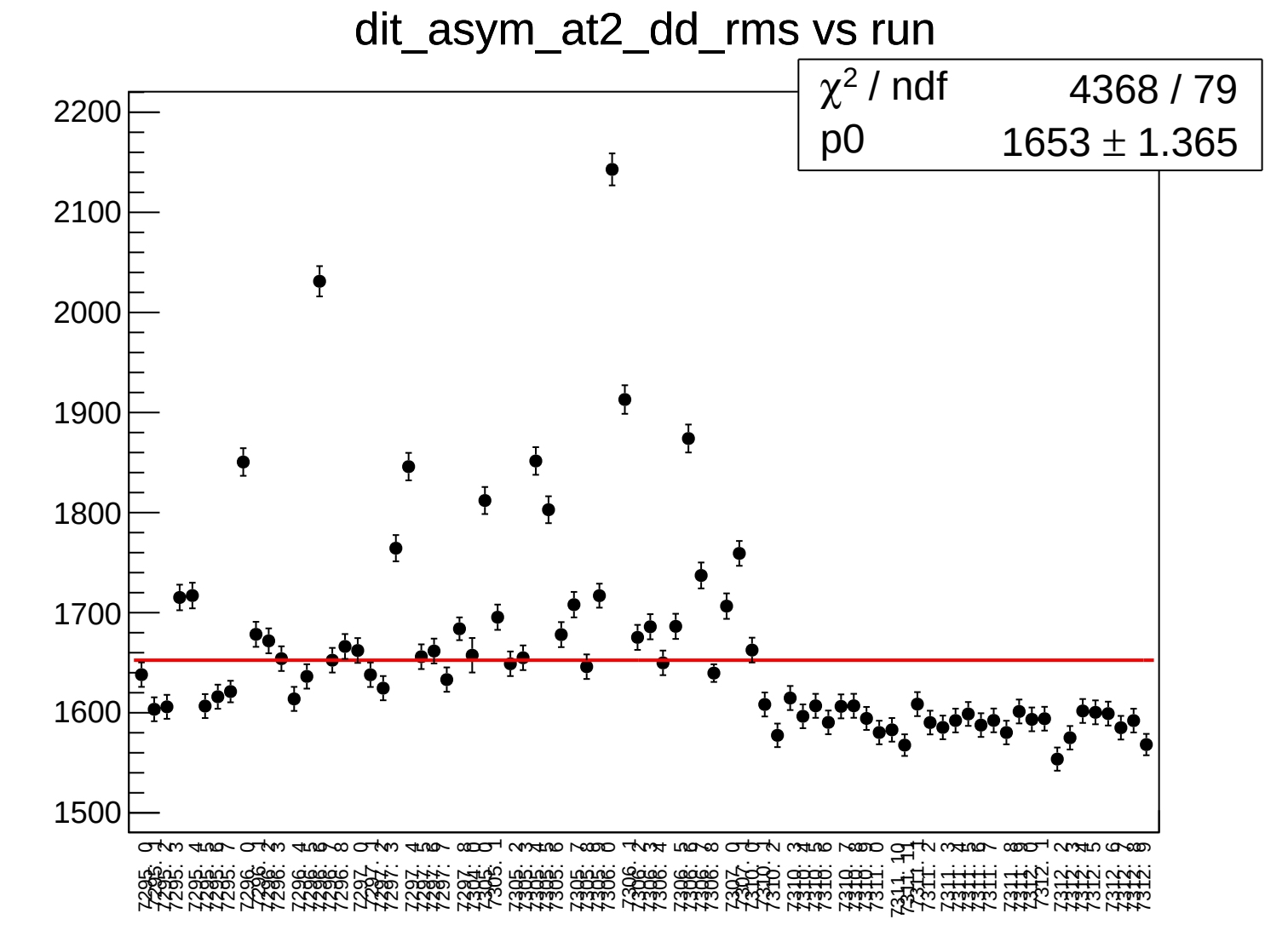

asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.95 / 79
p0 −1002 ± 1.189e+04
400
200
0
−200
−400
pull
Entries 80
Mean 174.3
Std Dev 141.8
3
2
1
0
−1
−2

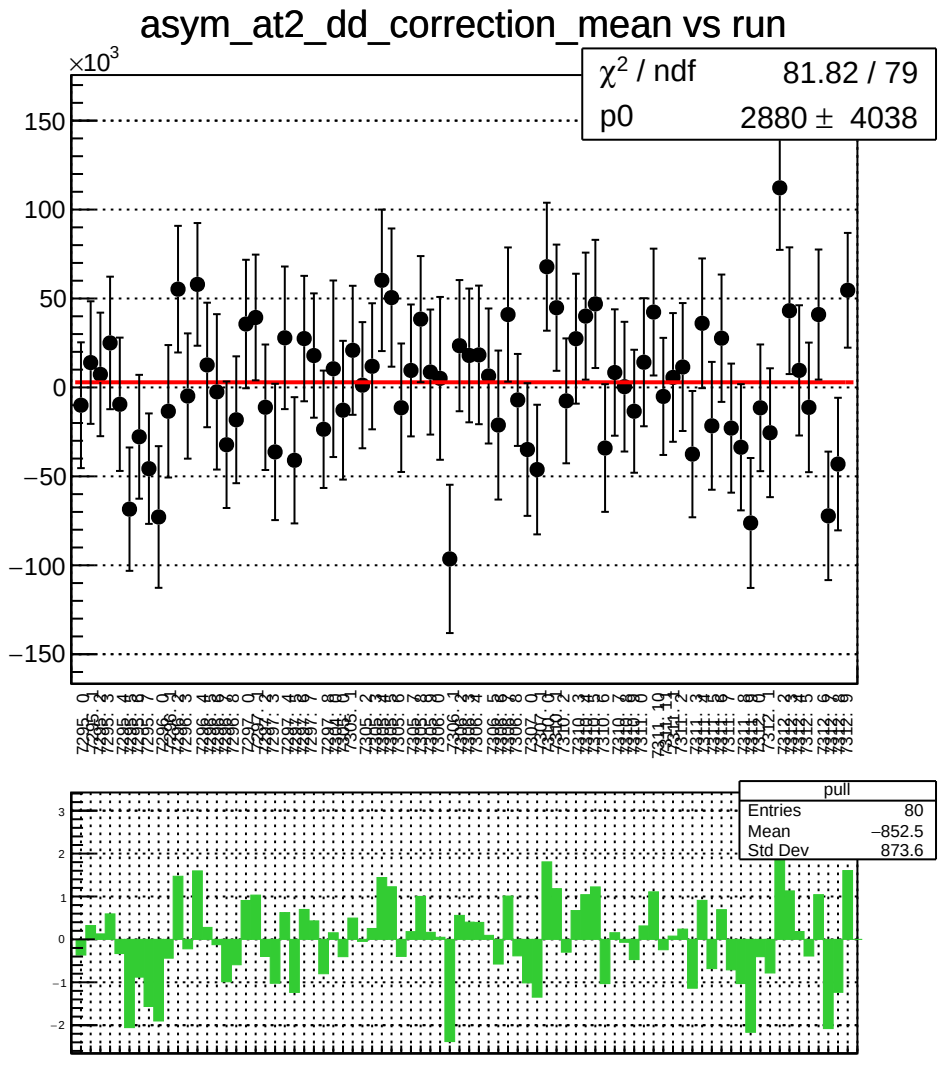

pull1D
Entries 80
Mean 0.01208
Std Dev 0.894
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

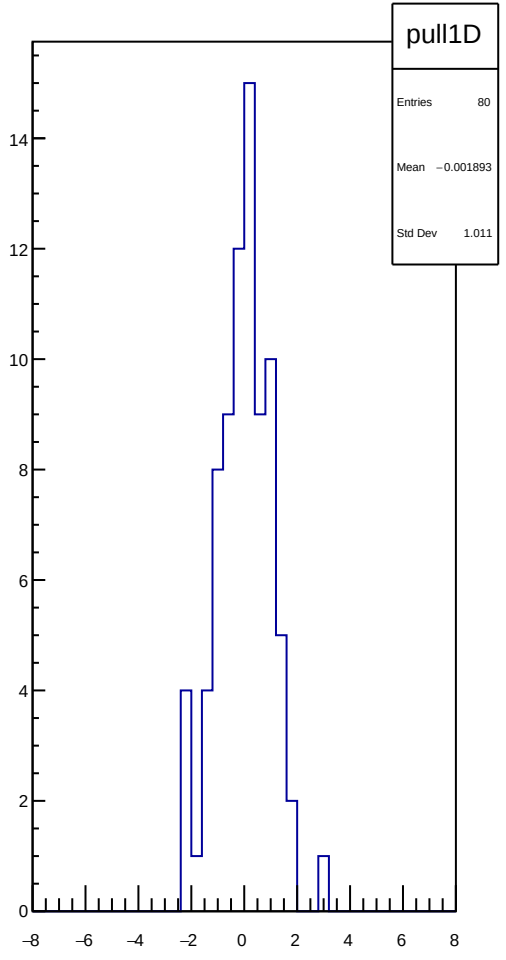

asym_at2_avg_rms vs run
χ² / ndf 2.924e+04 / 79
p0 1.009e+04 ± 8.406
22000
20000
18000
16000
14000
12000
10000
8000

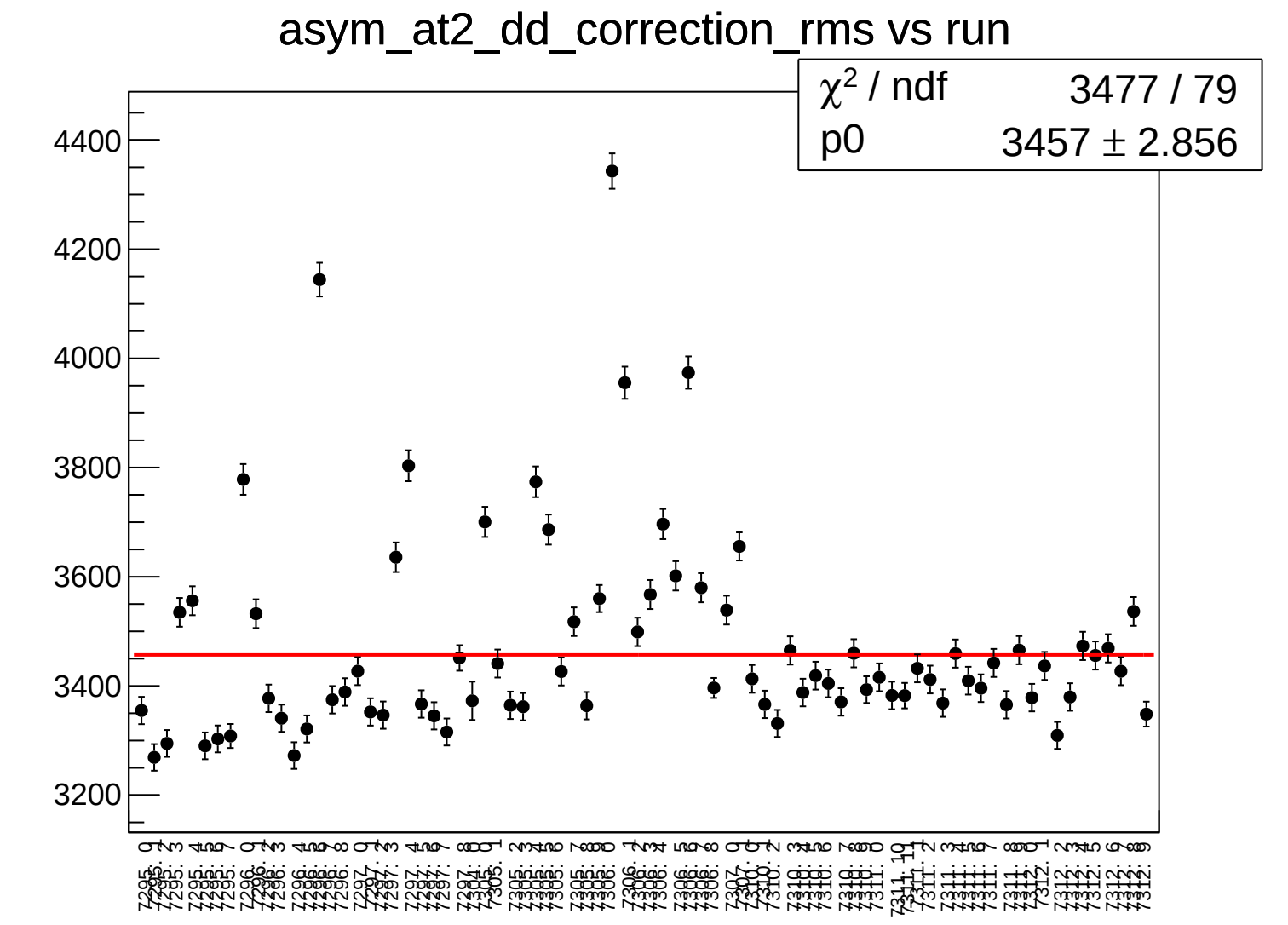

dit_asym_at2_dd_mean vs run
χ² / ndf 79.49 / 79
p0 1100 ± 1931
pull
Entries 80
Mean −6606
Std Dev 6616

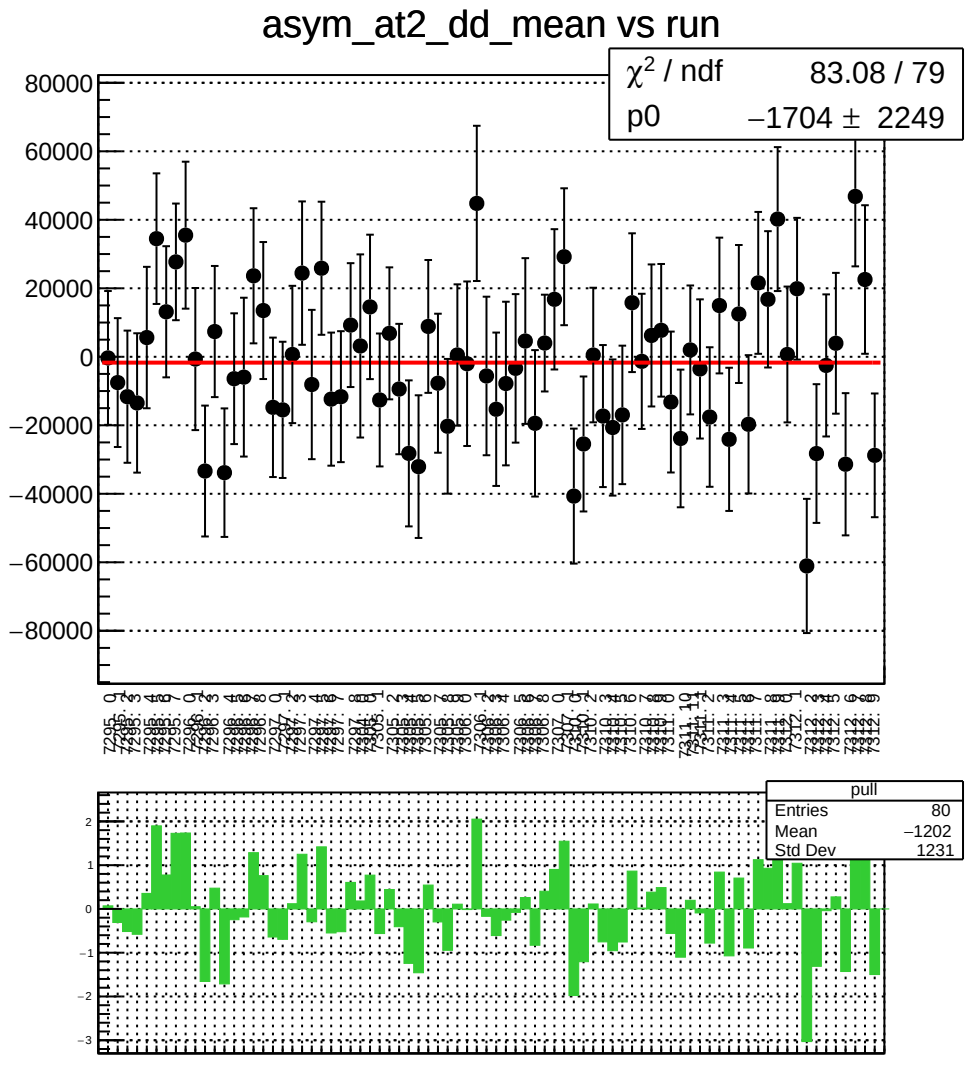

pull1D
Entries 80
Mean −0.0001986
Std Dev 0.9968

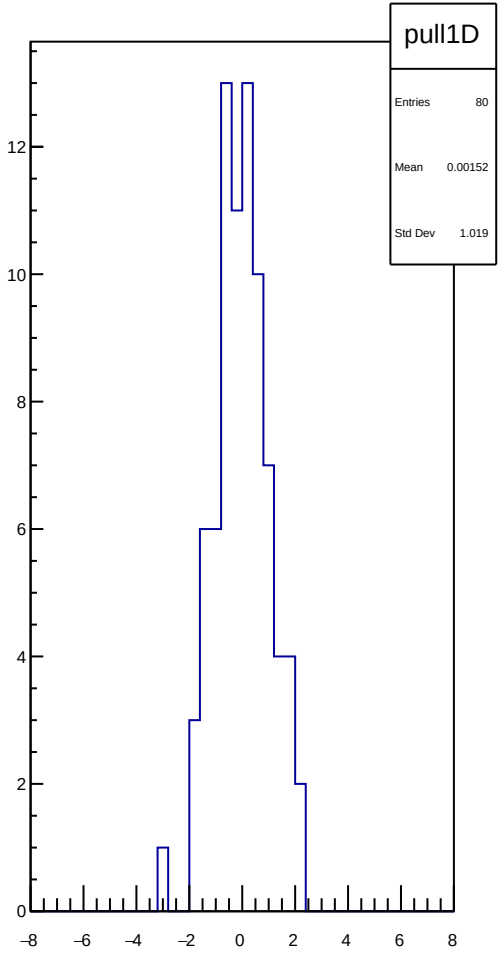

dit_asym_at2_dd_rms vs run
χ² / ndf 4368 / 79
p0 1653 ± 1.365
2200
2100
2000
1900
1800
1700
1600
1500

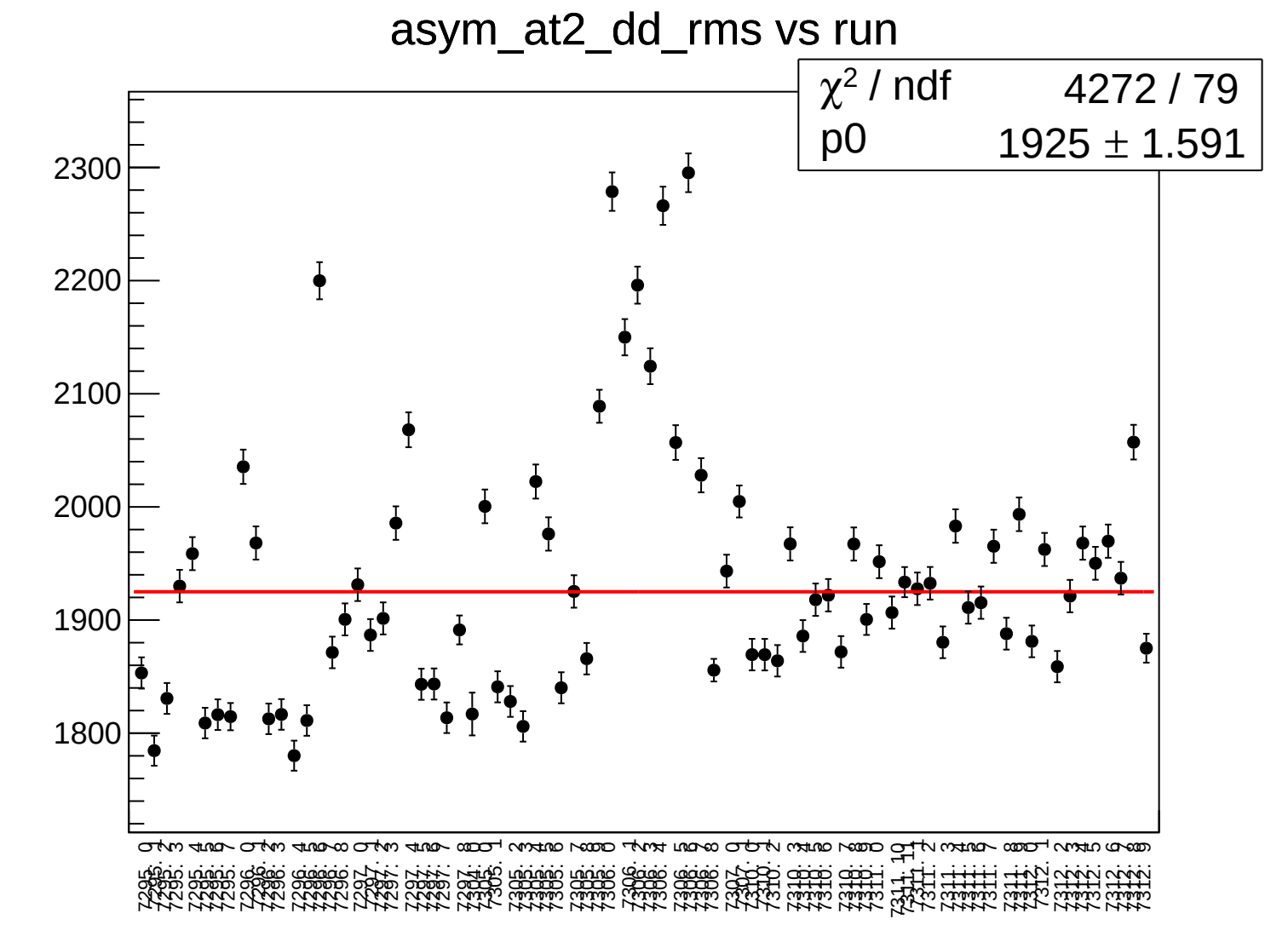

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 81.82 / 79
p0 2880 ± 4038
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −852.5
Std Dev 873.6
3
2
1
0
−1
−2

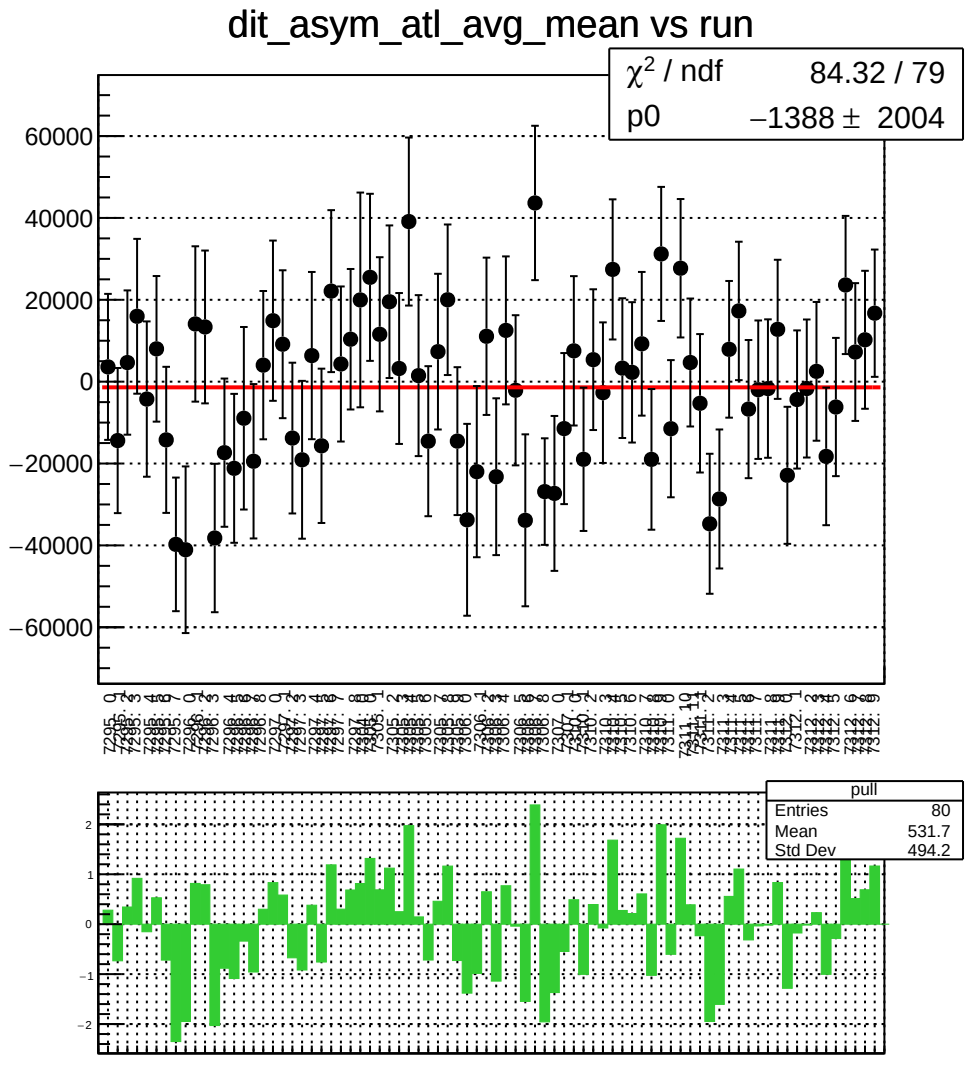

pull1D
Entries 80
Mean −0.001893
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

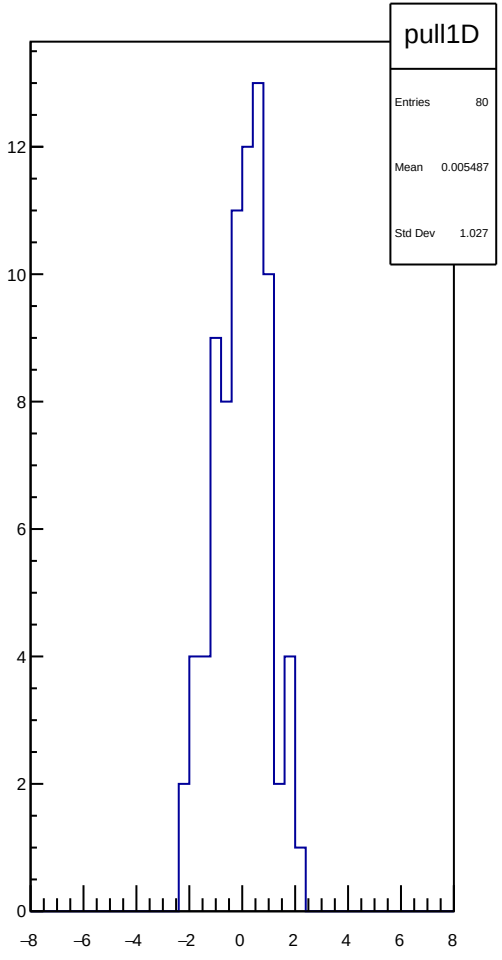

asym_at2_dd_correction_rms vs run
χ² / ndf 3477 / 79
p0 3457 ± 2.856
4400
4200
4000
3800
3600
3400
3200

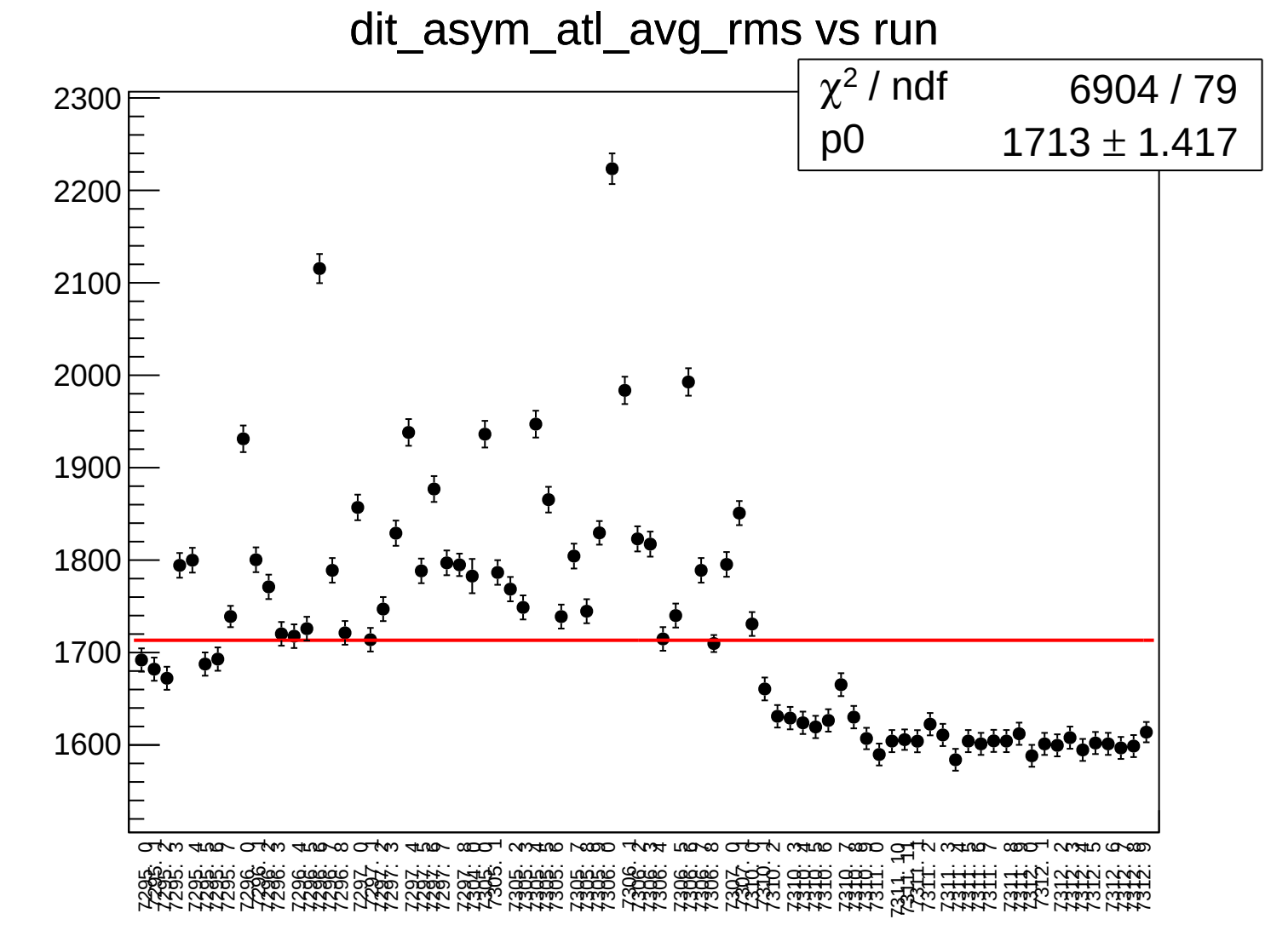

asym_at2_dd_mean vs run
χ² / ndf 83.08 / 79
p0 −1704 ± 2249
pull
Entries 80
Mean −1202
Std Dev 1231

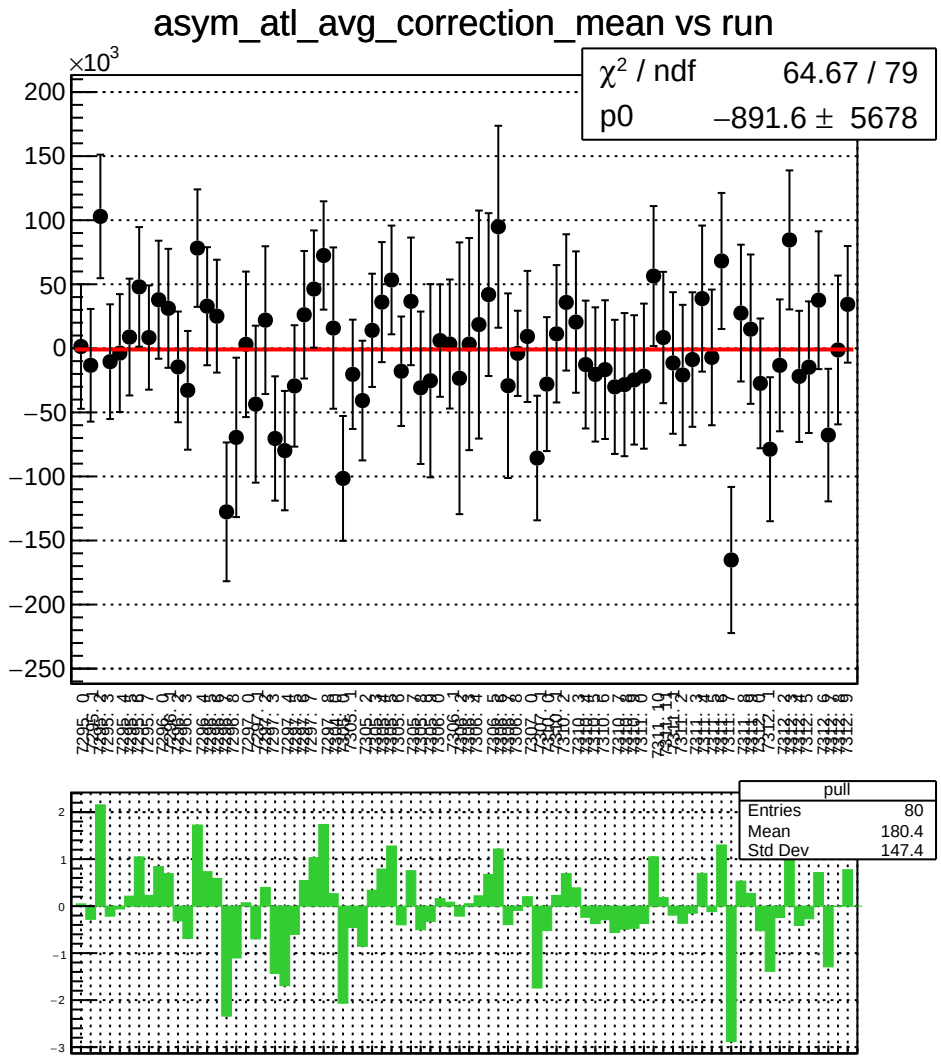

pull1D
Entries 80
Mean 0.00152
Std Dev 1.019

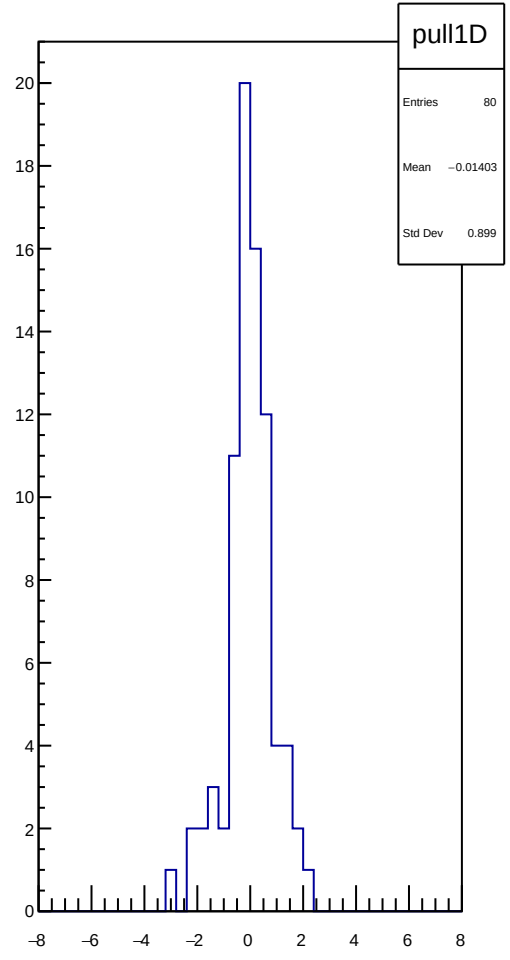

asym_at2_dd_rms vs run
χ² / ndf 4272 / 79
p0 1925 ± 1.591
2300
2200
2100
2000
1900
1800

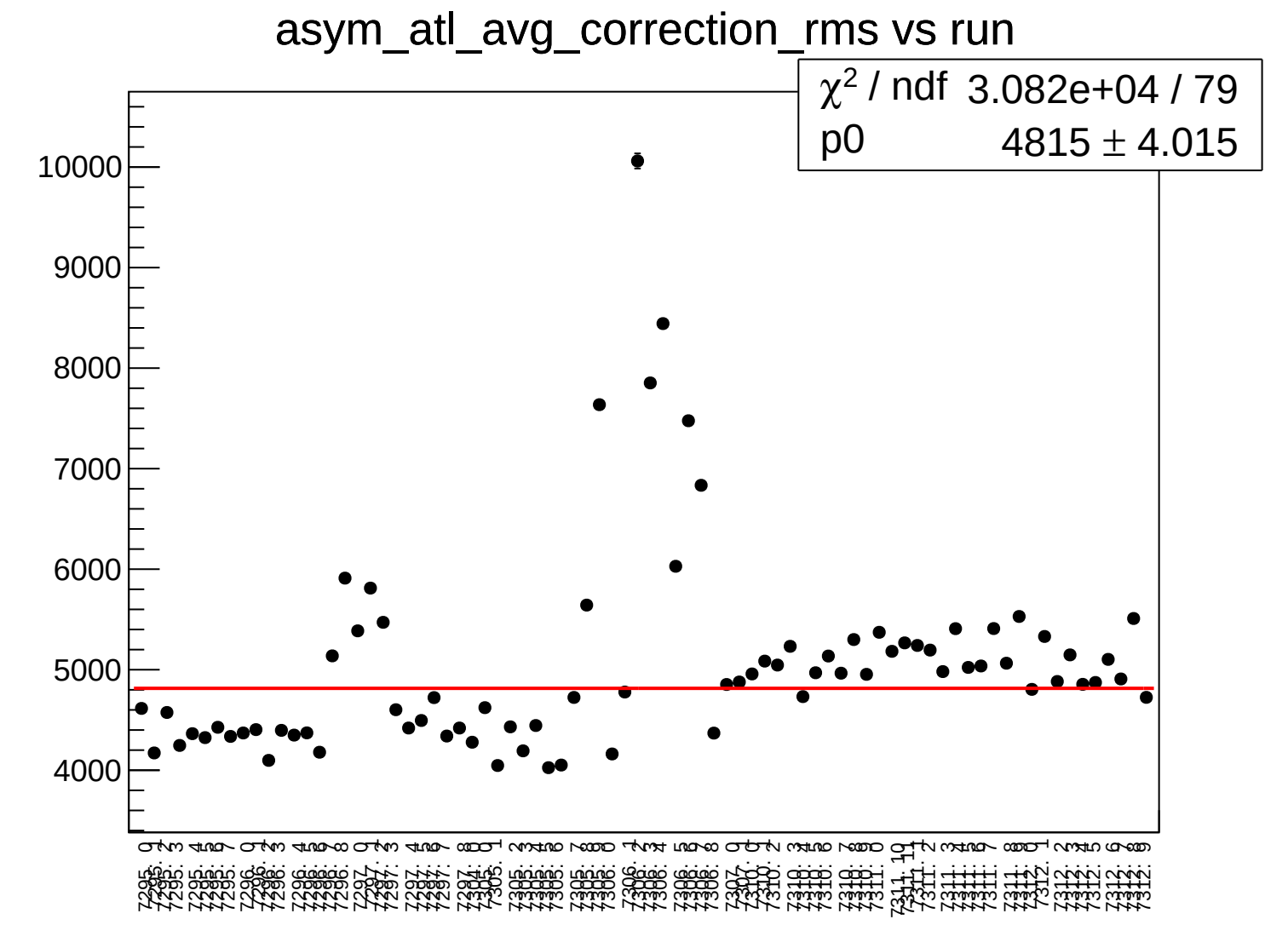

dit_asym_atl_avg_mean vs run
χ² / ndf 84.32 / 79
p0 −1388 ± 2004
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 531.7
Std Dev 494.2
2
1
0
−1
−2

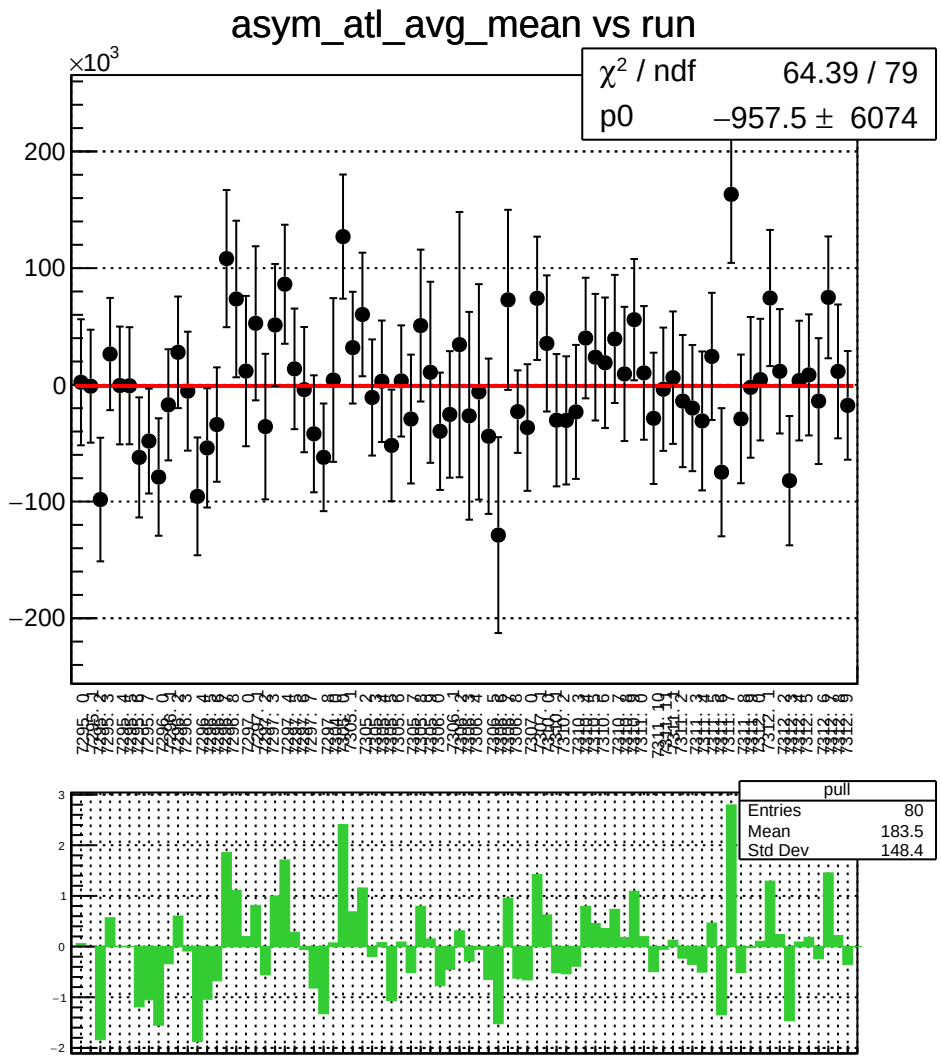

pull1D
Entries 80
Mean 0.005487
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

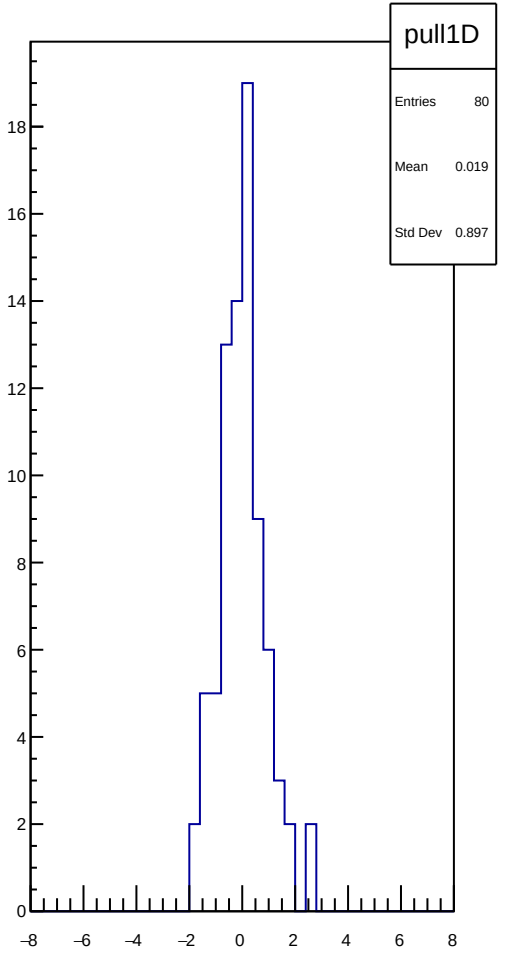

dit_asym_atl_avg_rms vs run
χ² / ndf 6904 / 79
p0 1713 ± 1.417
2300
2200
2100
2000
1900
1800
1700
1600

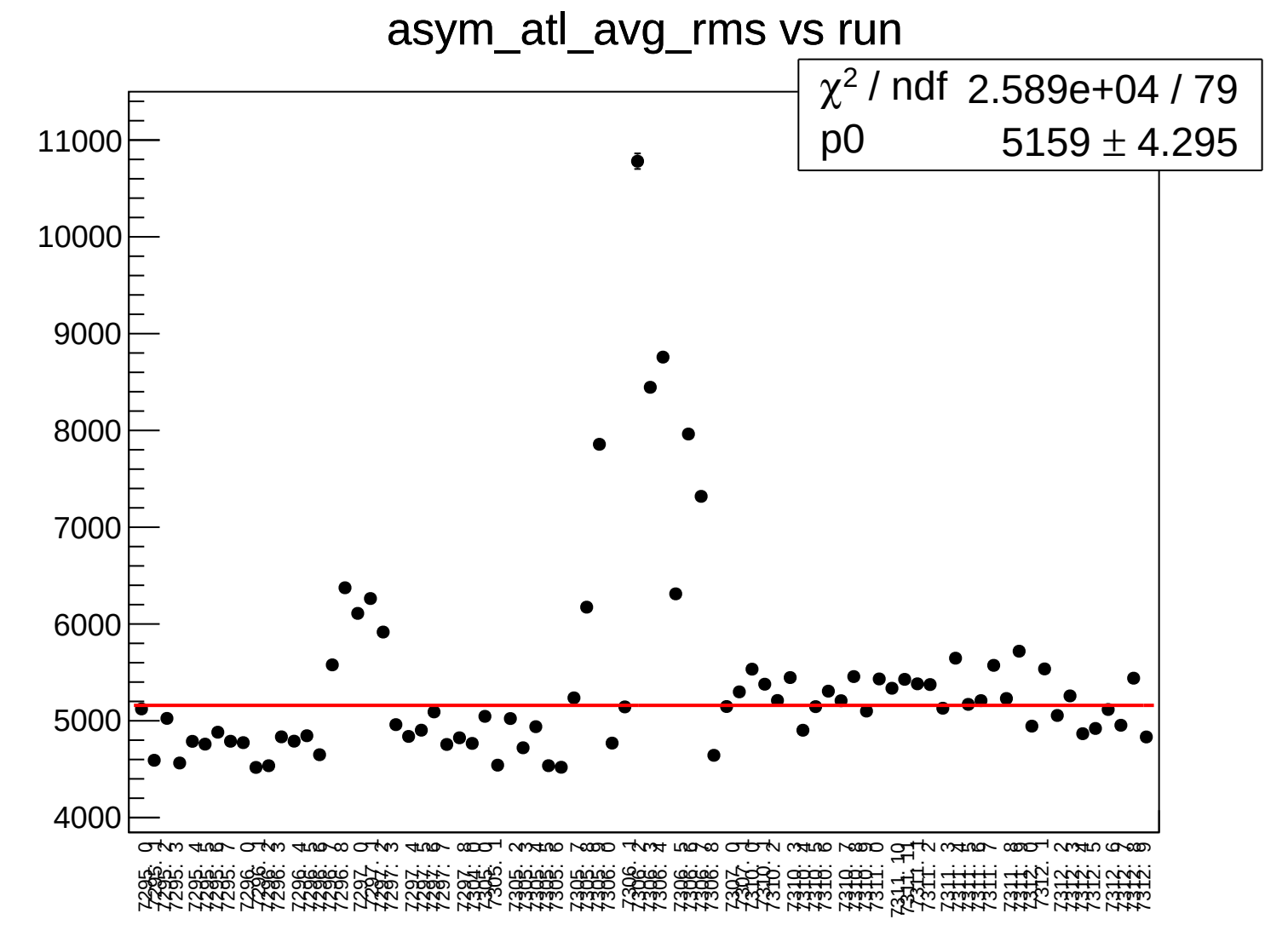

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 64.67 / 79
p0 −891.6 ± 5678
pull
Entries 80
Mean 180.4
Std Dev 147.4

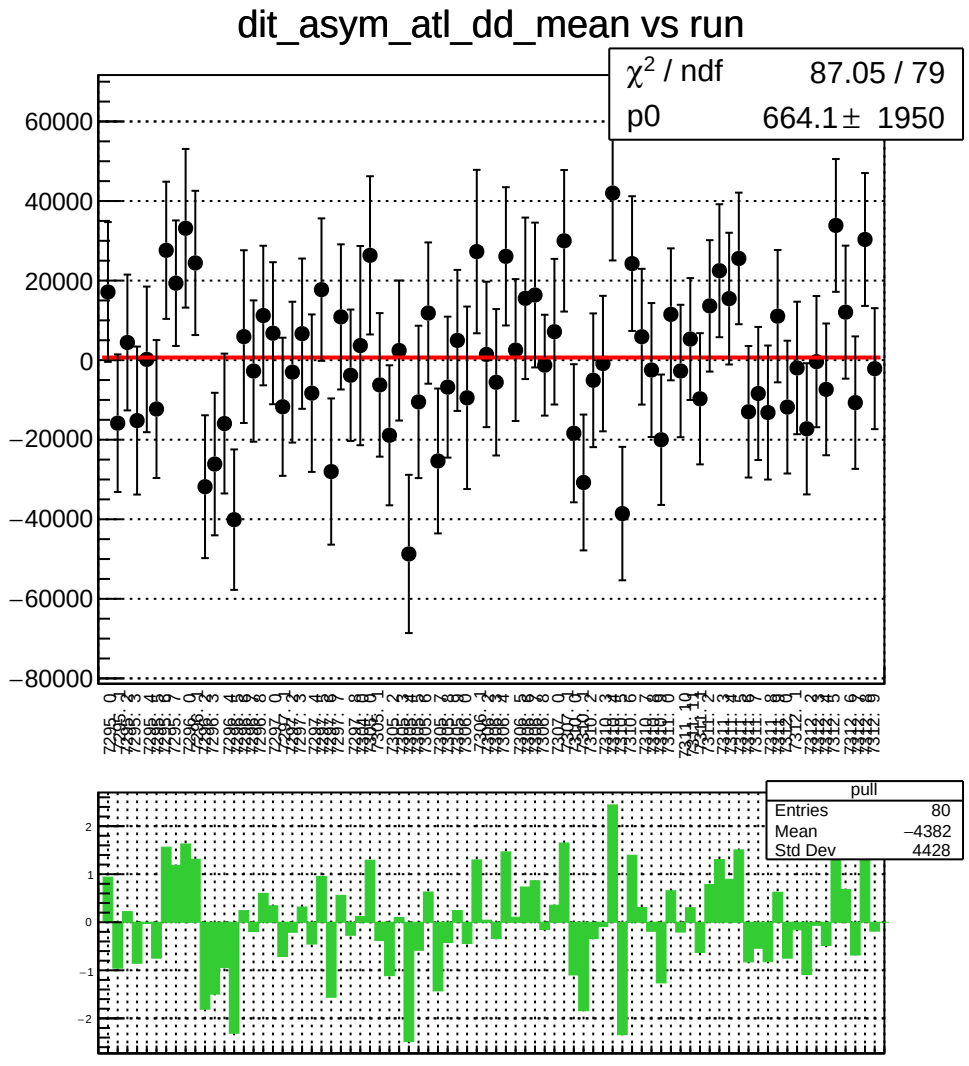

pull1D
Entries 80
Mean −0.01403
Std Dev 0.899

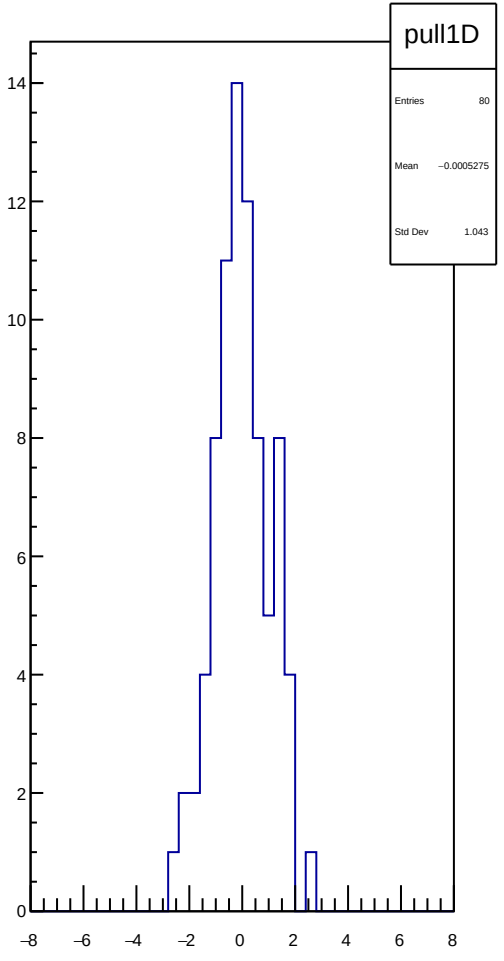

asym_atl_avg_correction_rms vs run
χ² / ndf 3.082e+04 / 79
p0 4815 ± 4.015
10000
9000
8000
7000
6000
5000
4000

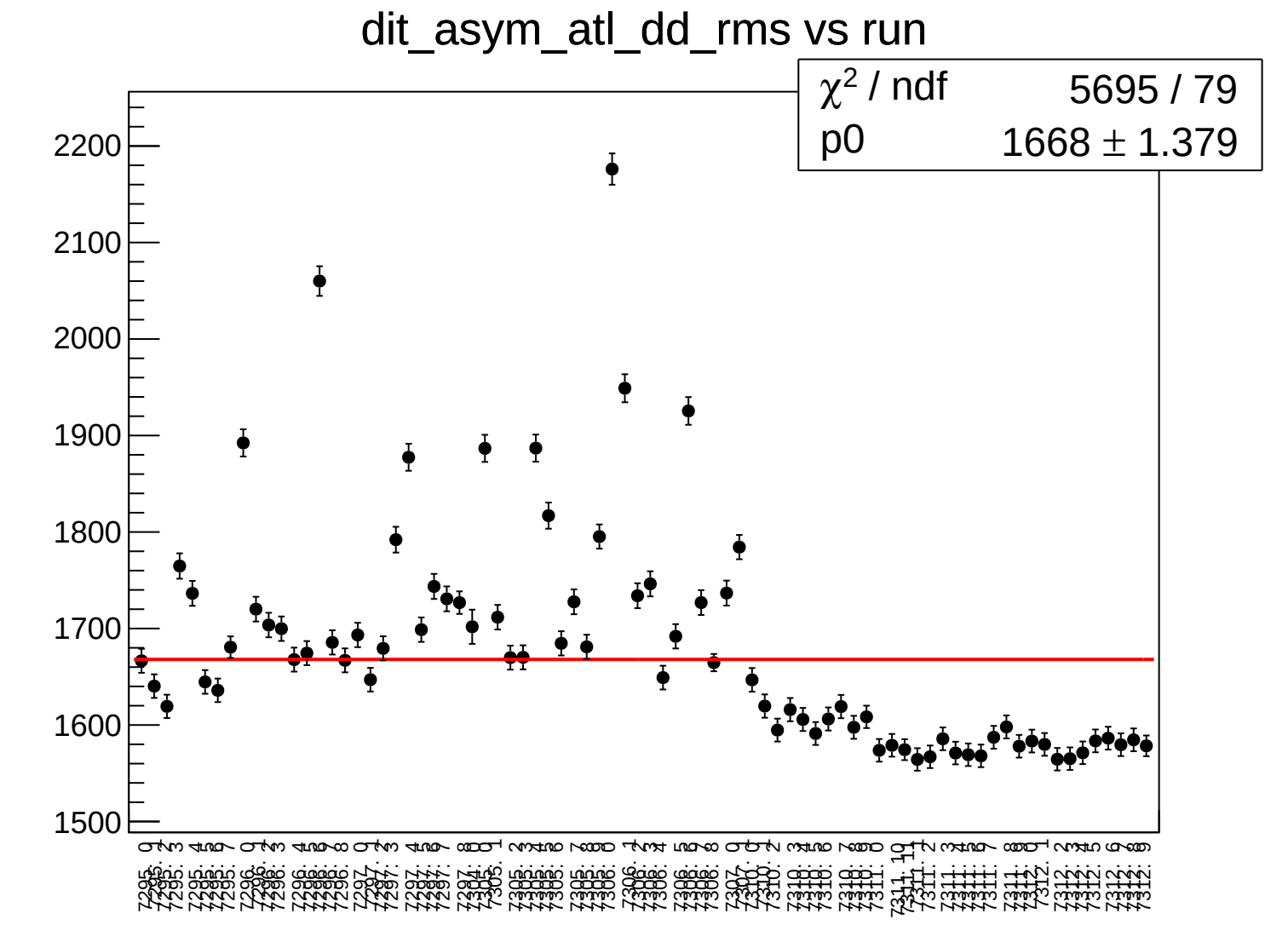

asym_atl_avg_mean vs run
×10^3
χ² / ndf 64.39 / 79
p0 −957.5 ± 6074
200
100
0
−100
−200
pull
Entries 80
Mean 183.5
Std Dev 148.4
3
2
1
0
−1
−2

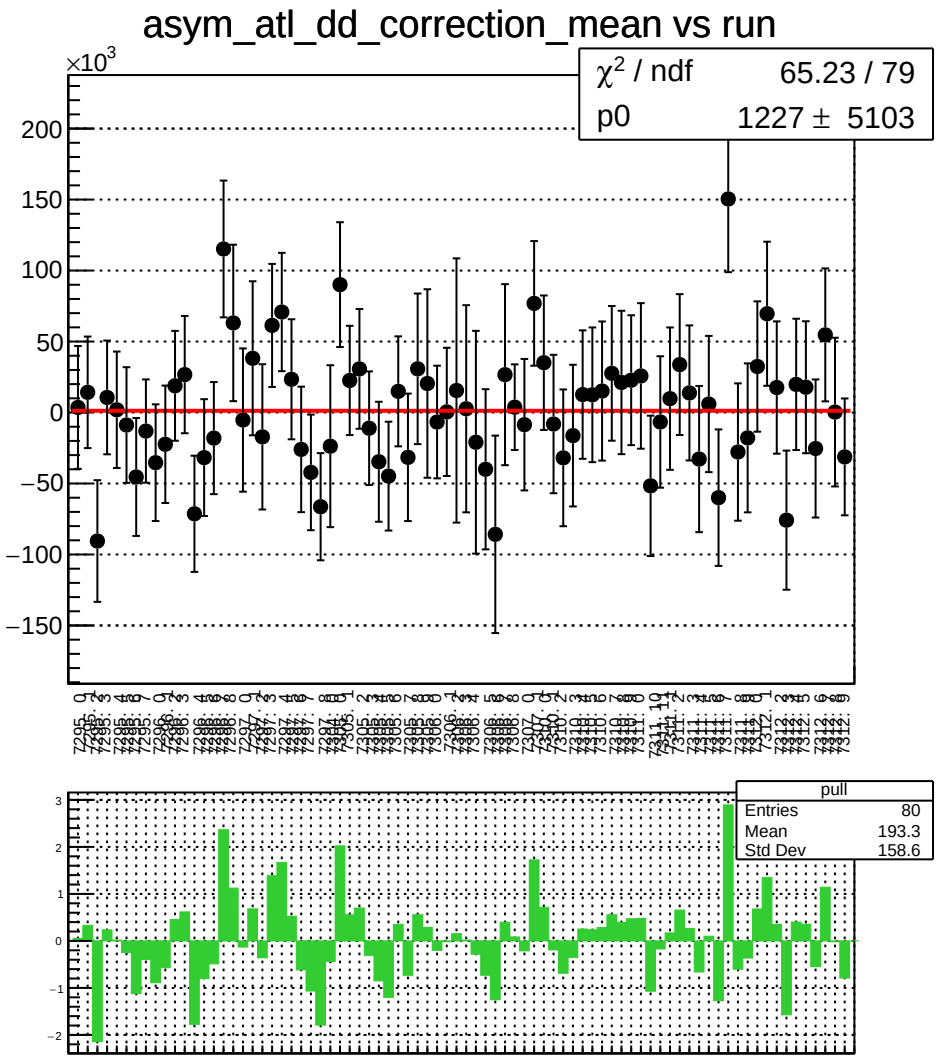

pull1D
Entries 80
Mean 0.019
Std Dev 0.897
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

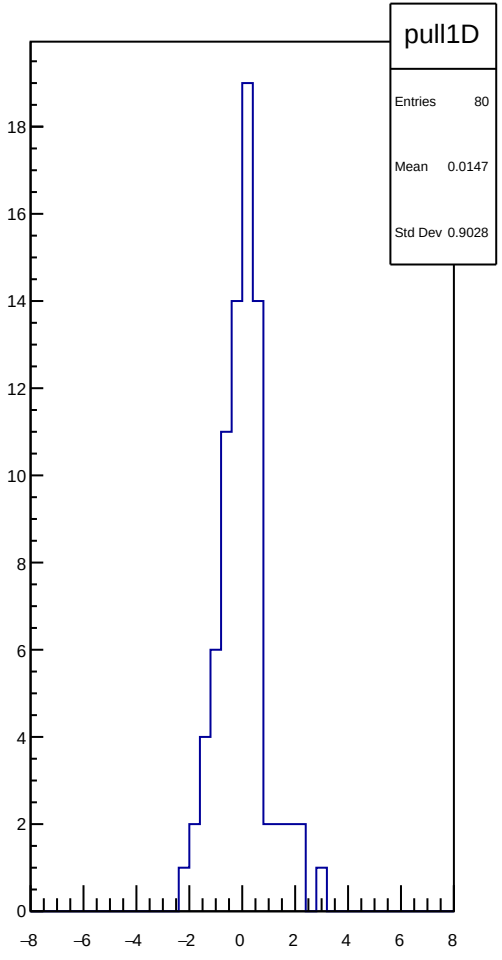

asym_atl_avg_rms vs run
χ^2 / ndf 2.589e+04 / 79
p0 5159 ± 4.295
11000
10000
9000
8000
7000
6000
5000
4000

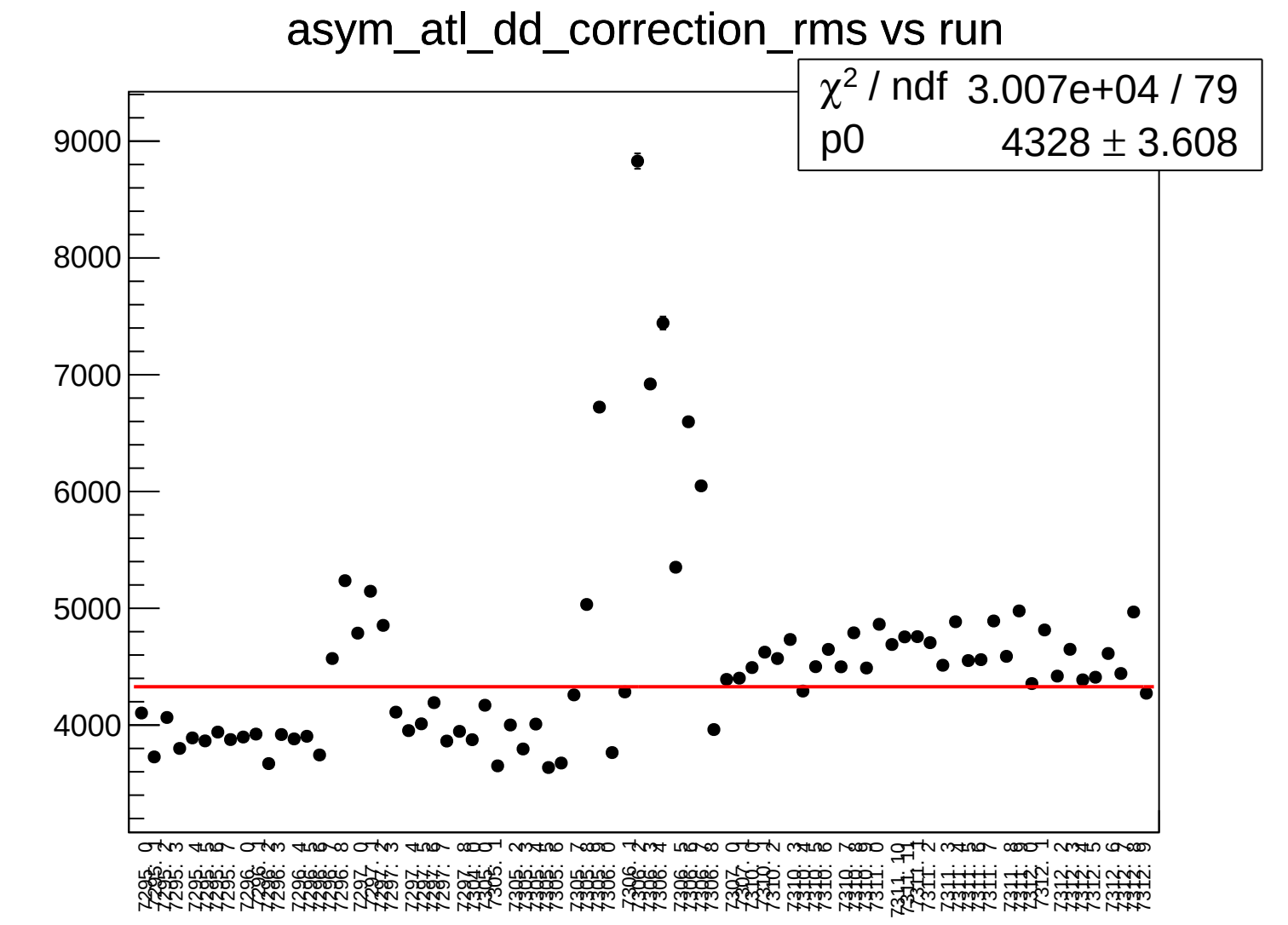

dit_asym_atl_dd_mean vs run
χ² / ndf 87.05 / 79
p0 664.1 ± 1950
pull
Entries 80
Mean −4382
Std Dev 4428

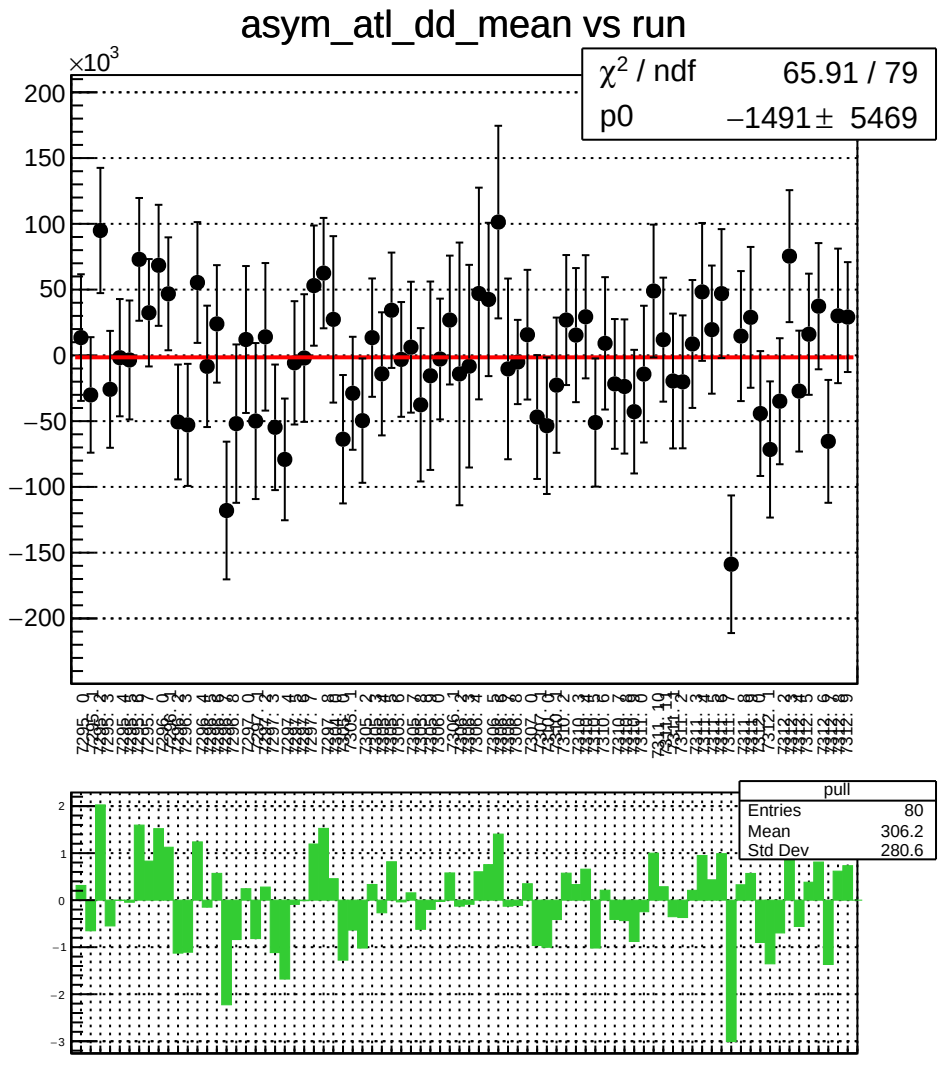

pull1D
Entries 80
Mean −0.0005275
Std Dev 1.043

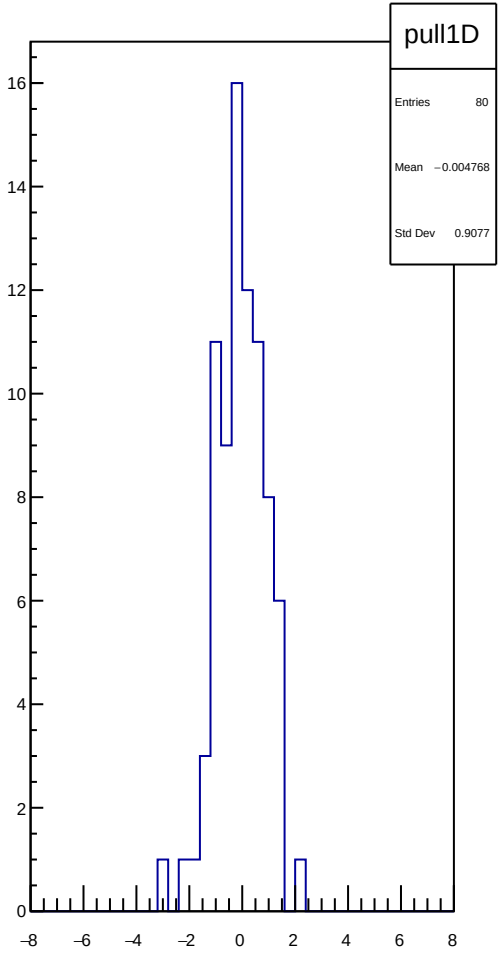

dit_asym_atl_dd_rms vs run
χ² / ndf 5695 / 79
p0 1668 ± 1.379
2200
2100
2000
1900
1800
1700
1600
1500

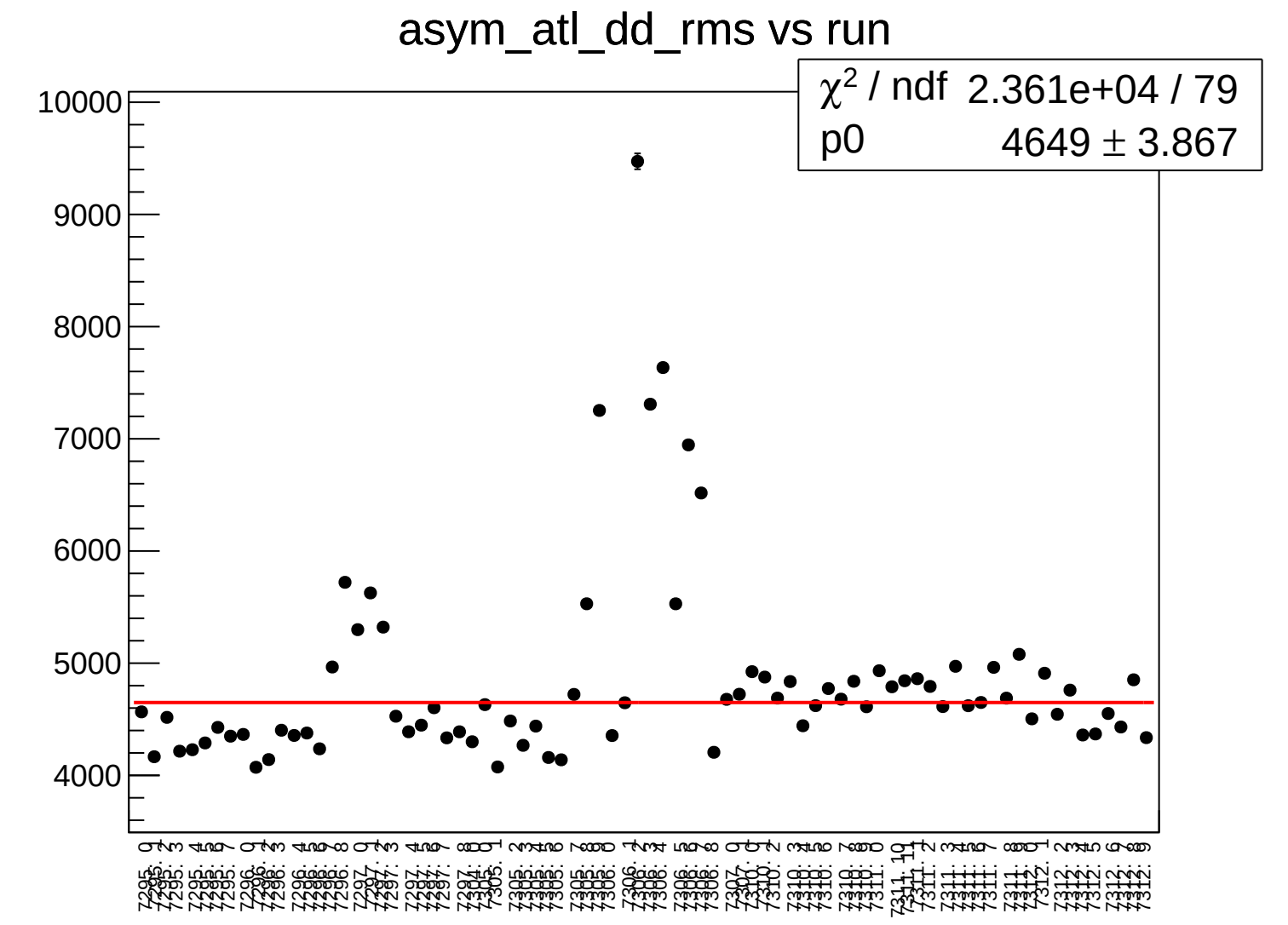

asym_atl_dd_correction_mean vs run
χ² / ndf 65.23 / 79
p0 1227 ± 5103
×10³
pull
Entries 80
Mean 193.3
Std Dev 158.6

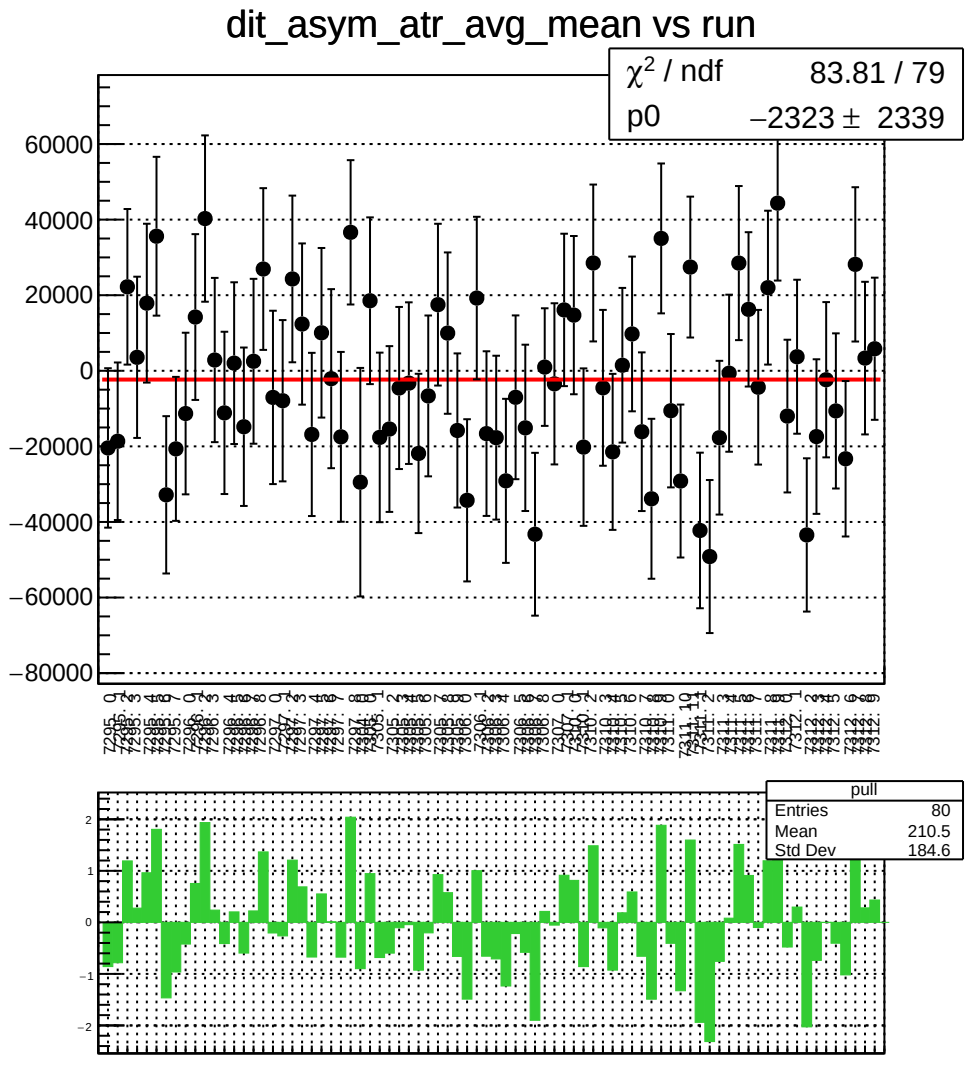

pull1D
Entries 80
Mean 0.0147
Std Dev 0.9028

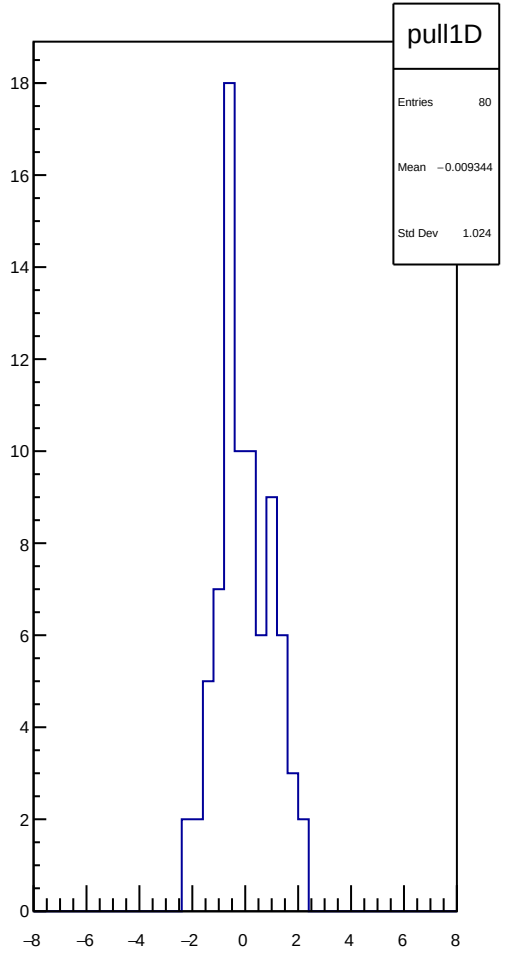

asym_atl_dd_correction_rms vs run
χ^2 / ndf 3.007e+04 / 79
p0 4328 ± 3.608
9000
8000
7000
6000
5000
4000

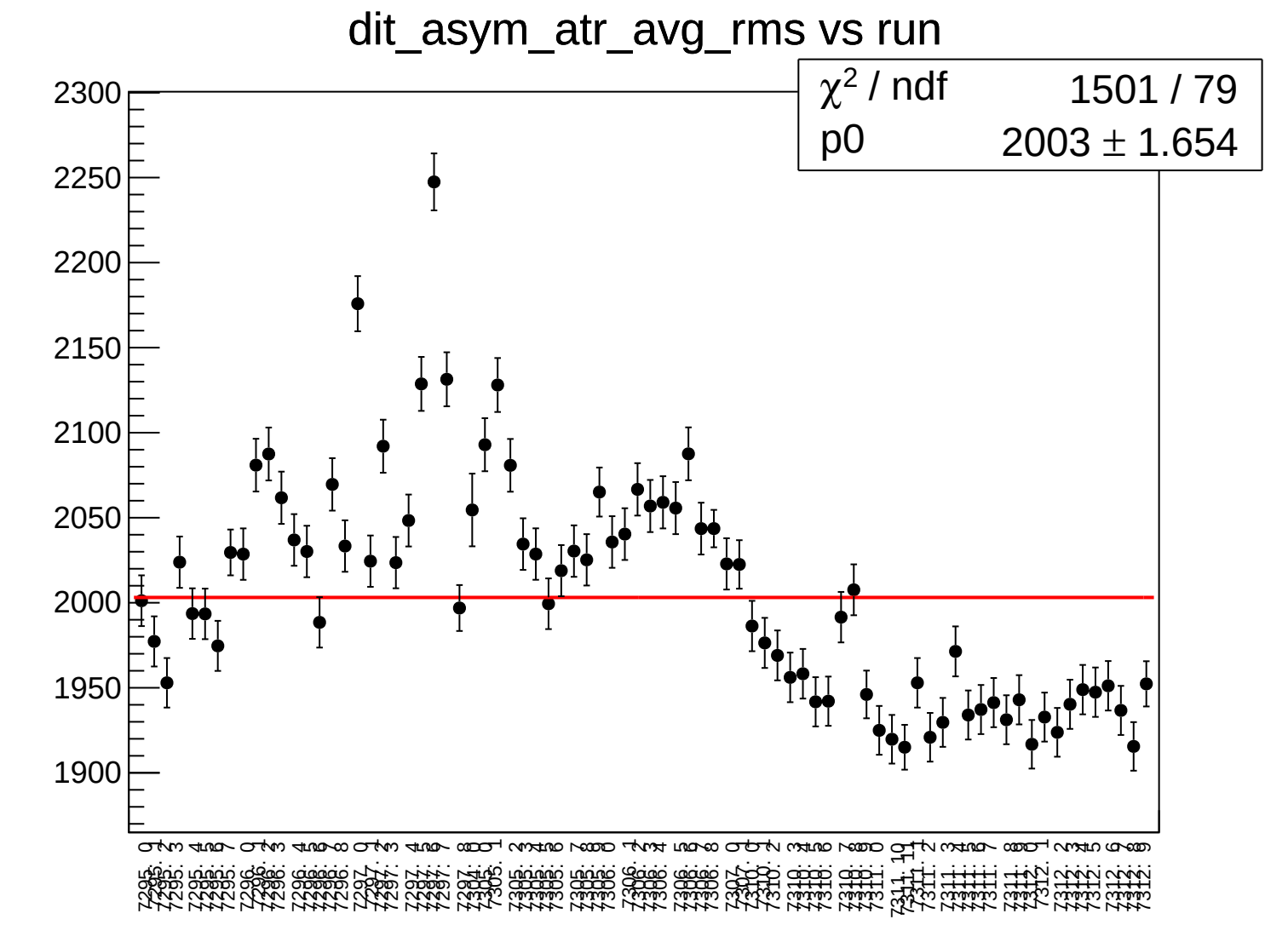

asym_atl_dd_mean vs run
×10^3
χ² / ndf 65.91 / 79
p0 −1491 ± 5469
pull
Entries 80
Mean 306.2
Std Dev 280.6

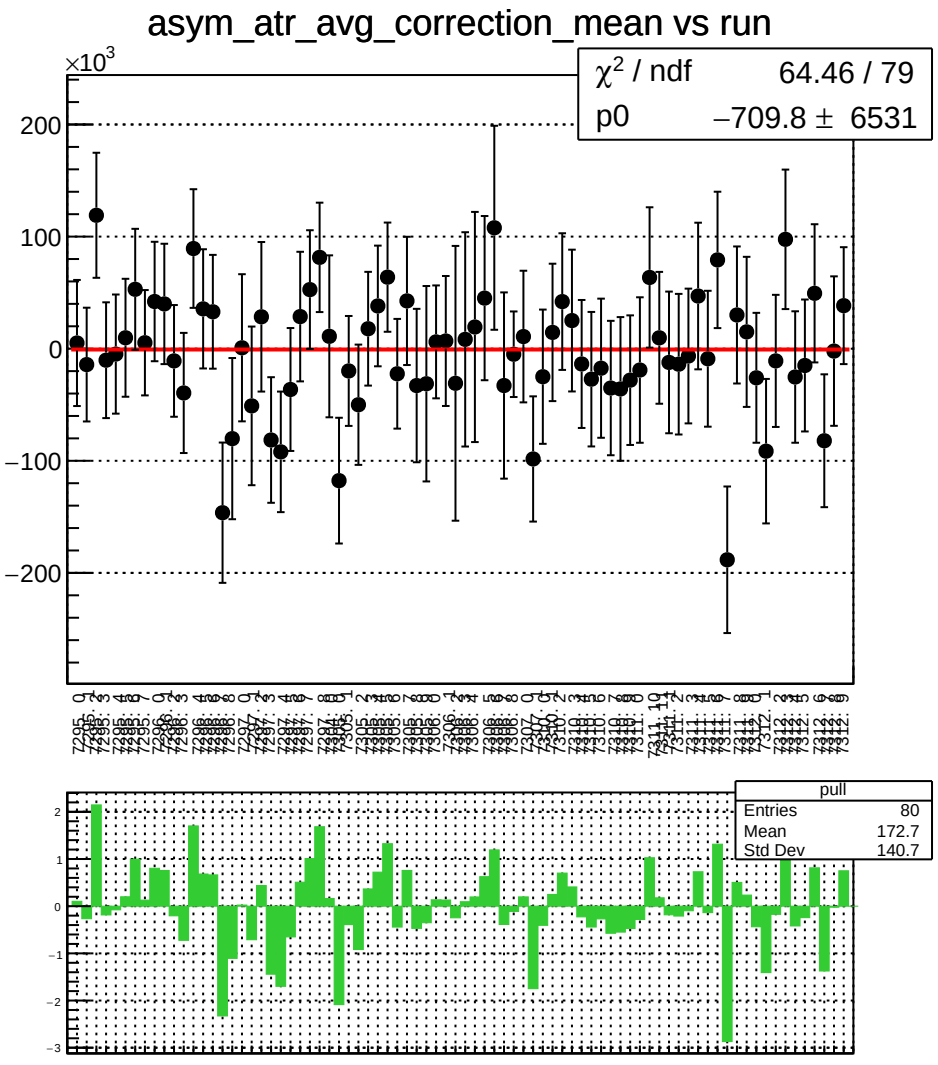

pull1D
Entries 80
Mean −0.004768
Std Dev 0.9077

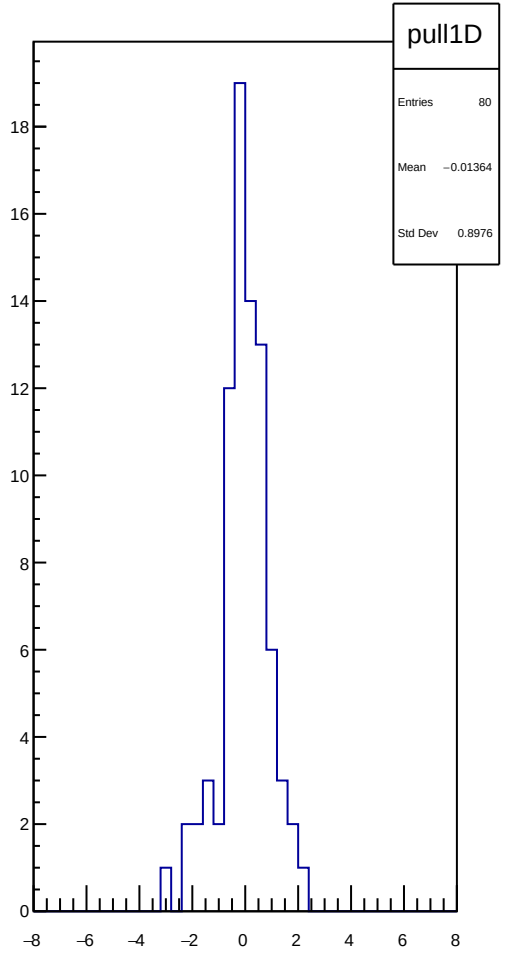

asym_atl_dd_rms vs run
χ² / ndf 2.361e+04 / 79
p0 4649 ± 3.867
10000
9000
8000
7000
6000
5000
4000

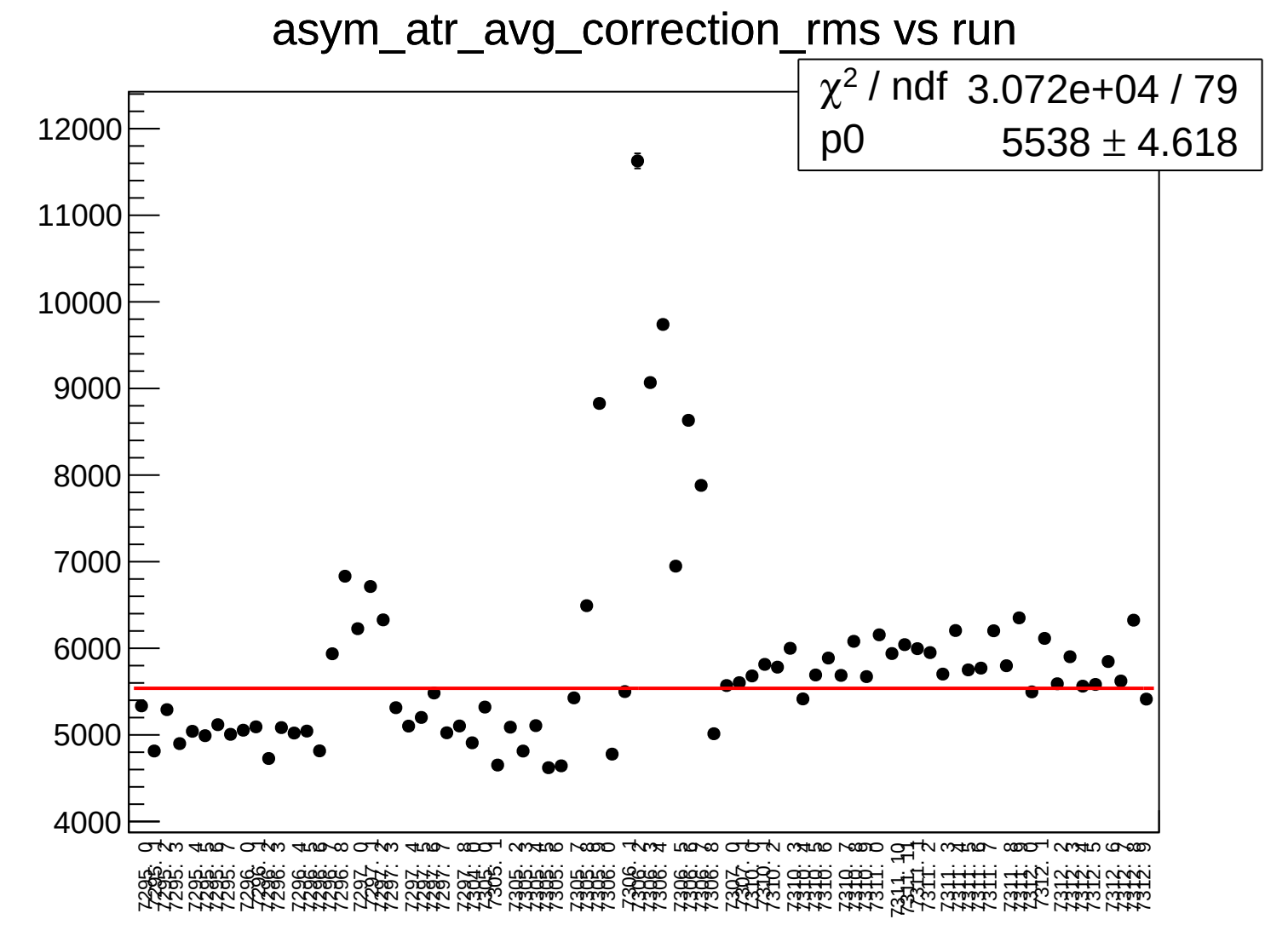

dit_asym_atr_avg_mean vs run
χ² / ndf 83.81 / 79
p0 −2323 ± 2339
pull
Entries 80
Mean 210.5
Std Dev 184.6

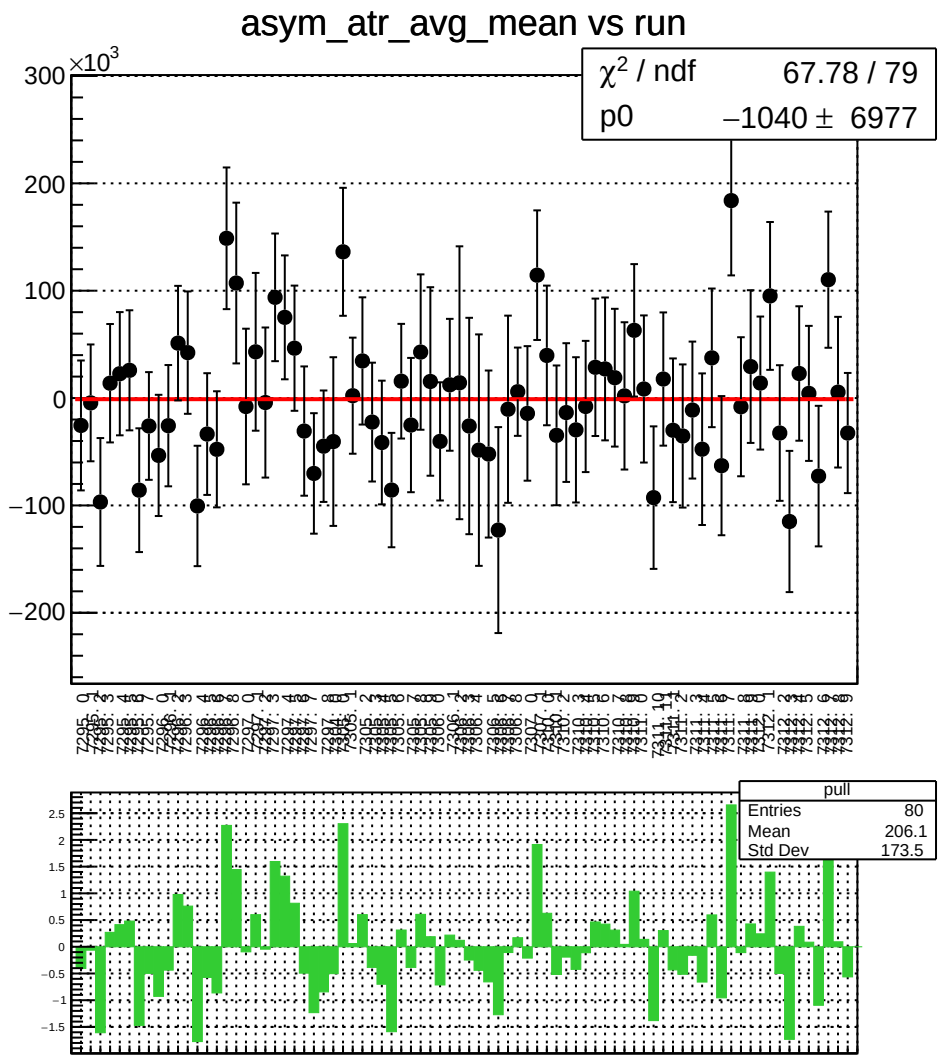

pull1D
Entries 80
Mean −0.009344
Std Dev 1.024

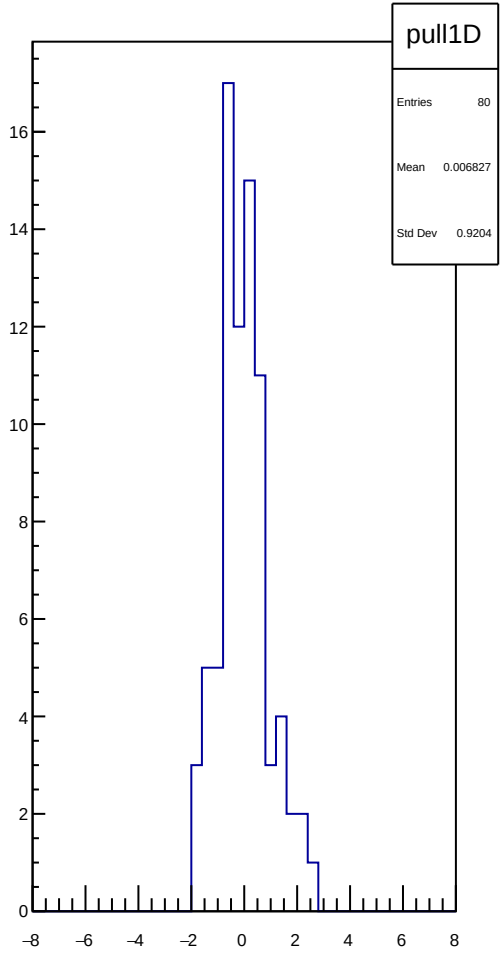

dit_asym_atr_avg_rms vs run
χ² / ndf 1501 / 79
p0 2003 ± 1.654
2300
2250
2200
2150
2100
2050
2000
1950
1900

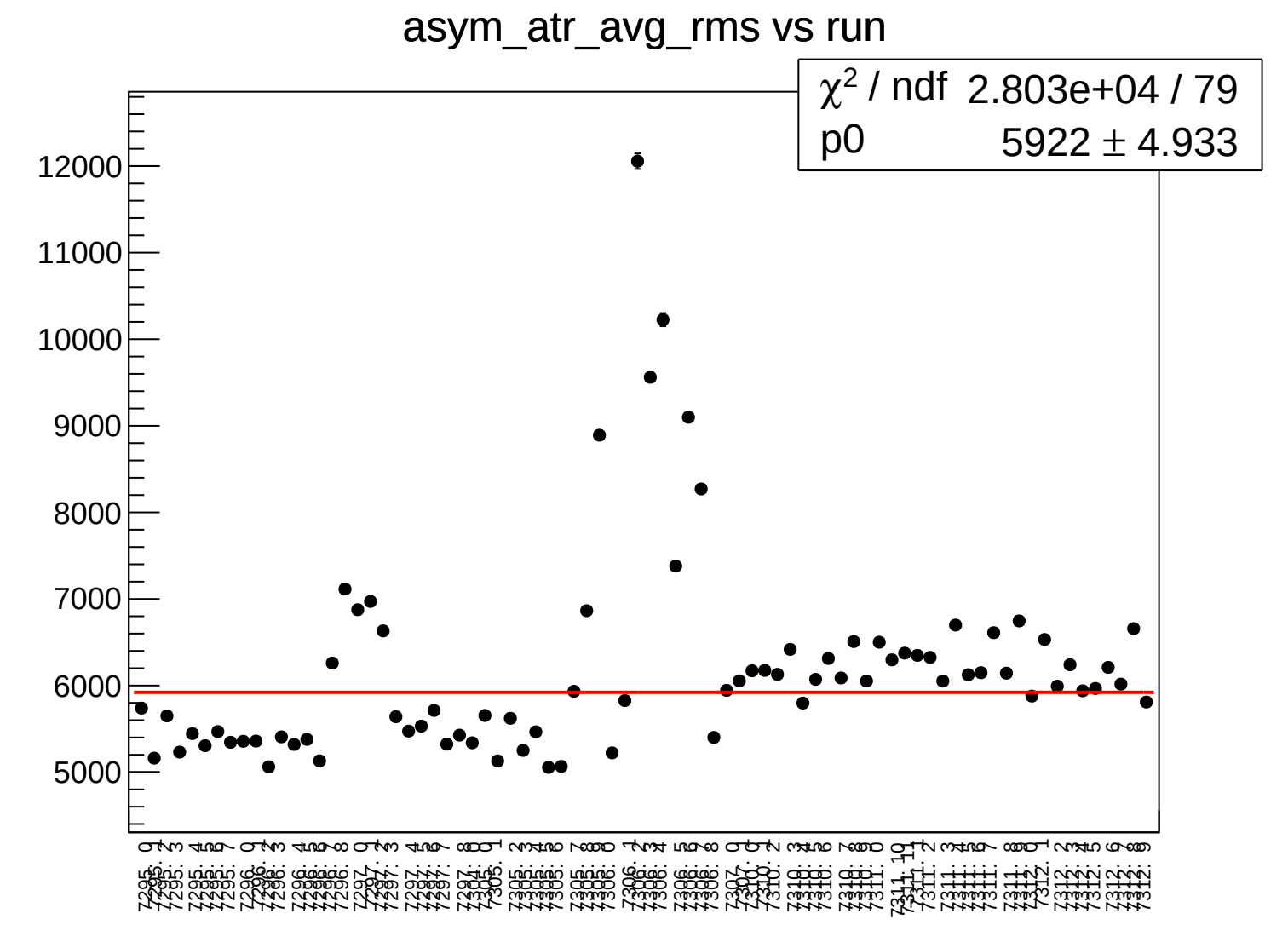

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 64.46 / 79
p0 −709.8 ± 6531
200
100
0
−100
−200
pull
Entries 80
Mean 172.7
Std Dev 140.7
2
1
0
−1
−2
−3

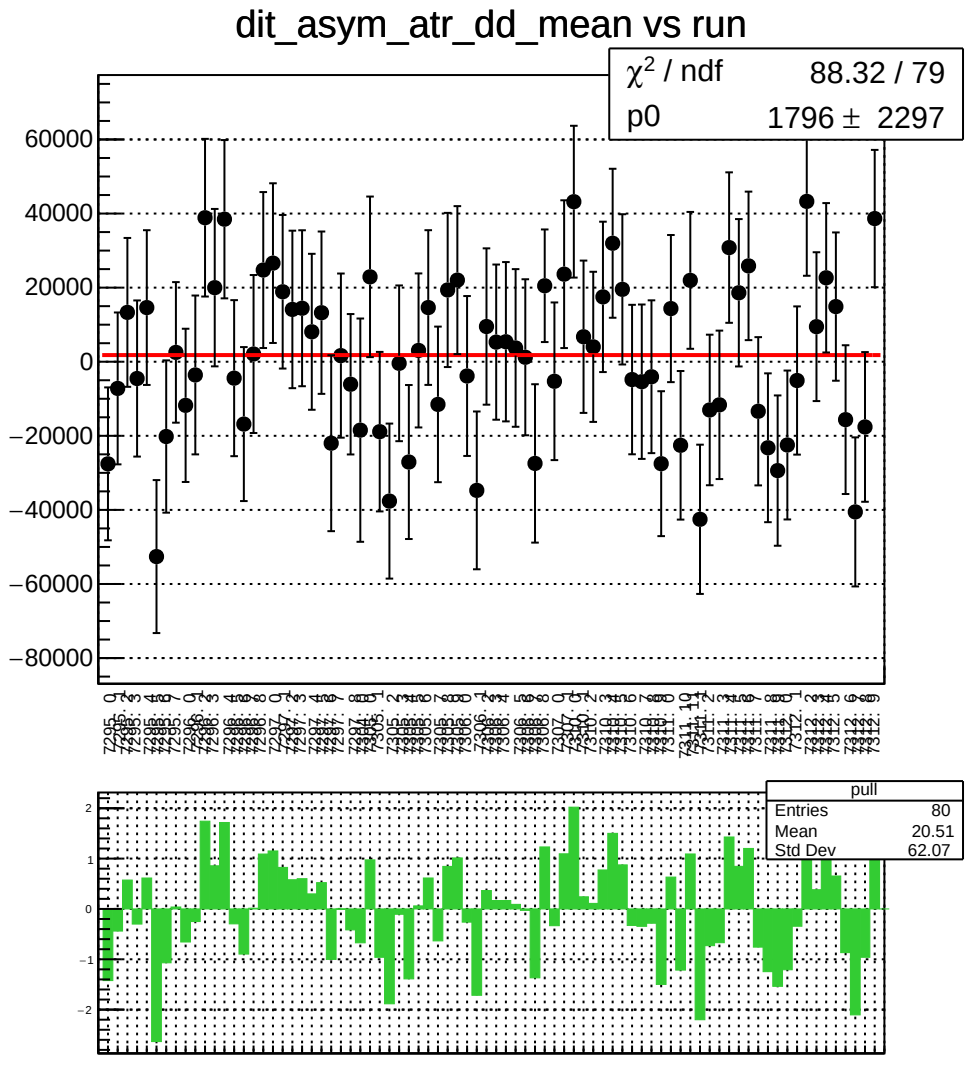

pull1D
Entries 80
Mean −0.01364
Std Dev 0.8976
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

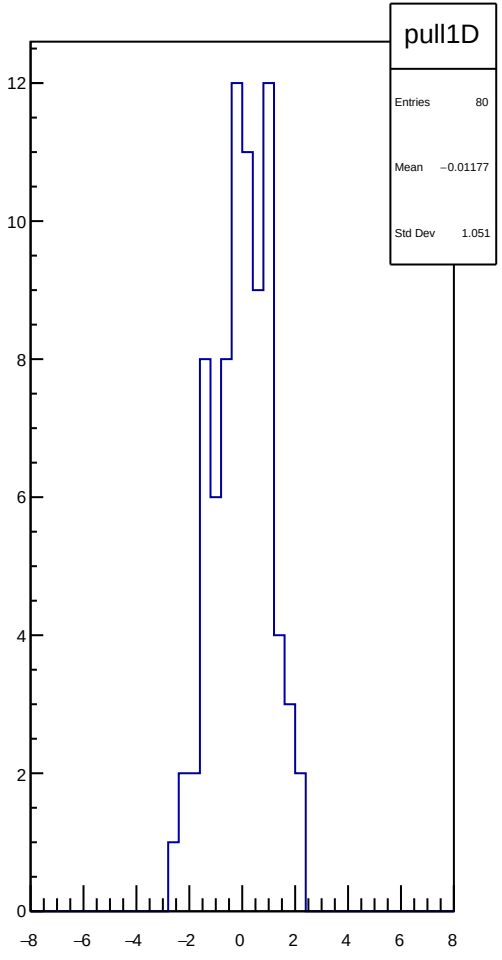

asym_atr_avg_correction_rms vs run
χ² / ndf 3.072e+04 / 79
p0 5538 ± 4.618
12000
11000
10000
9000
8000
7000
6000
5000
4000

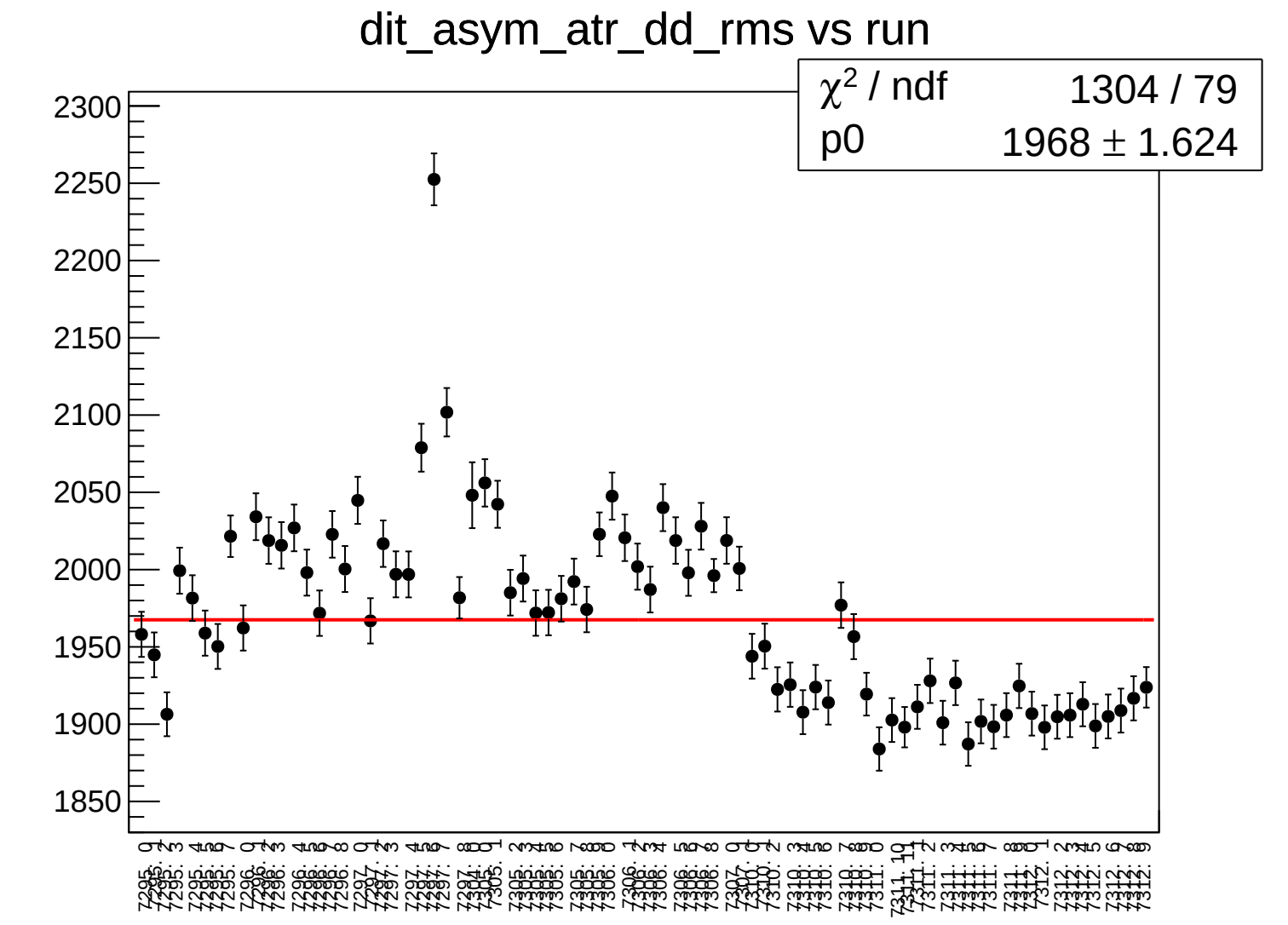

asym_atr_avg_mean vs run
χ² / ndf 67.78 / 79
p0 −1040 ± 6977
×10³
300
200
100
0
−100
−200
pull
Entries 80
Mean 206.1
Std Dev 173.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

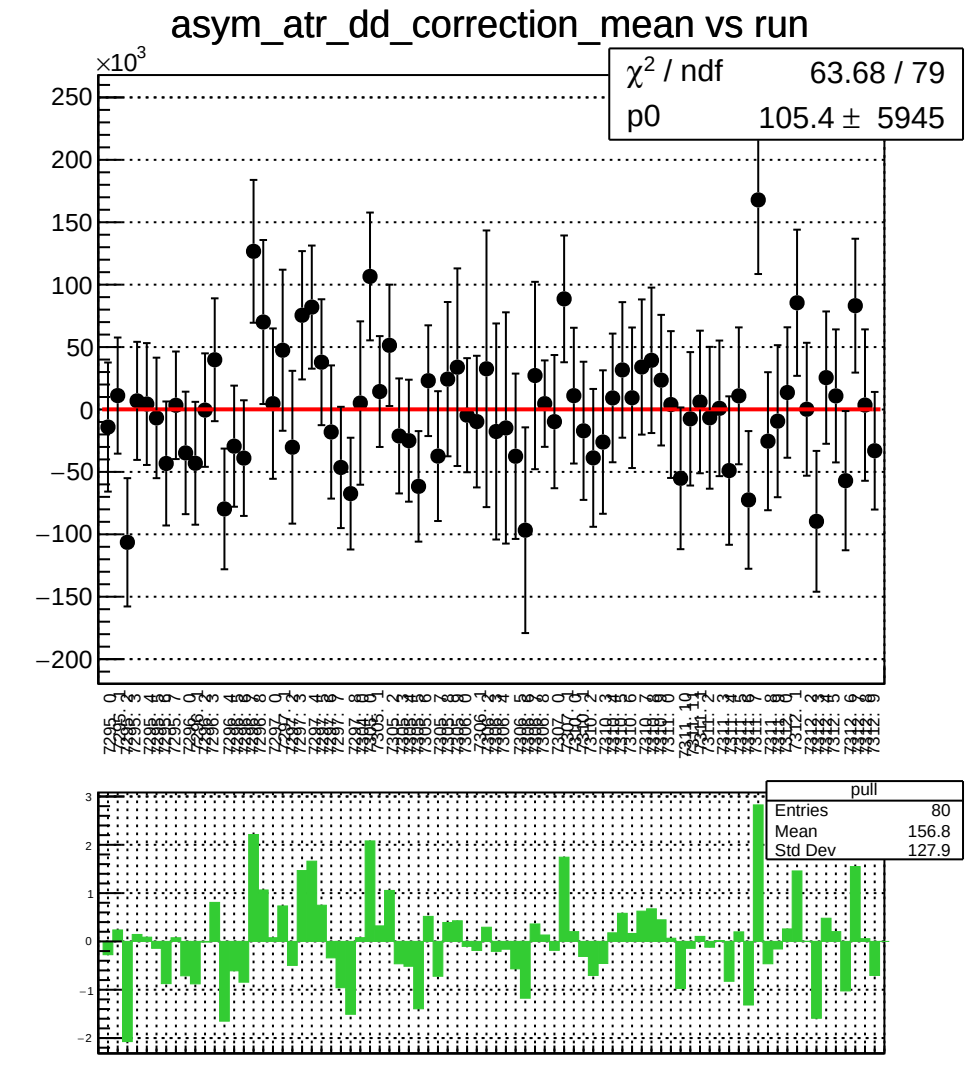

pull1D
Entries 80
Mean 0.006827
Std Dev 0.9204
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

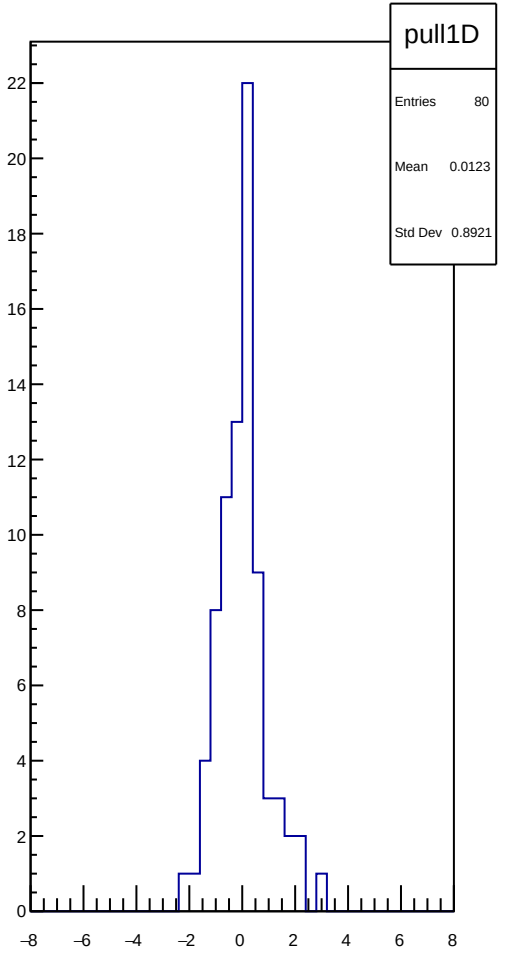

asym_atr_avg_rms vs run
χ² / ndf 2.803e+04 / 79
p0 5922 ± 4.933
12000
11000
10000
9000
8000
7000
6000
5000

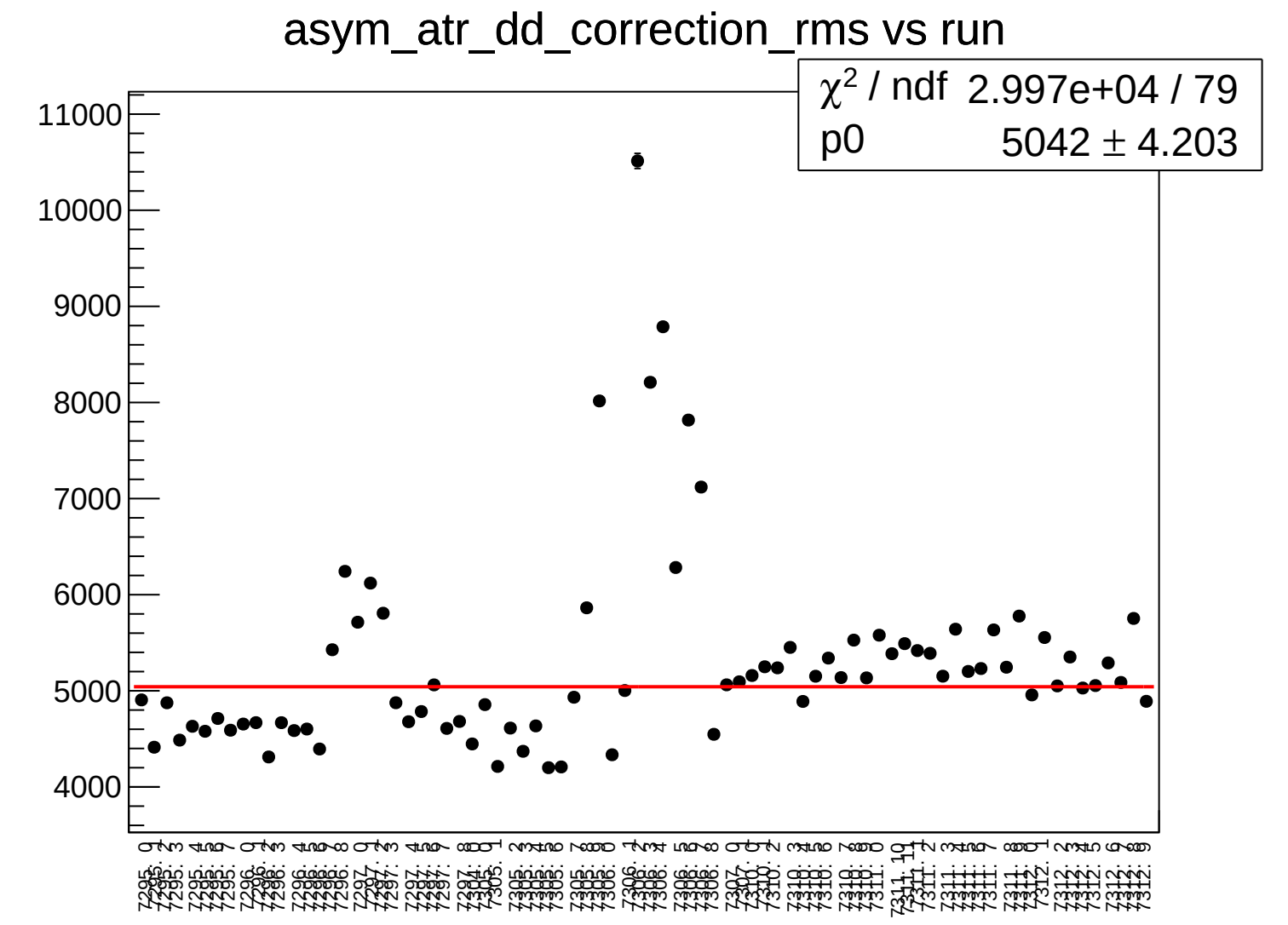

dit_asym_atr_dd_mean vs run
χ² / ndf 88.32 / 79
p0 1796 ± 2297
pull
Entries 80
Mean 20.51
Std Dev 62.07

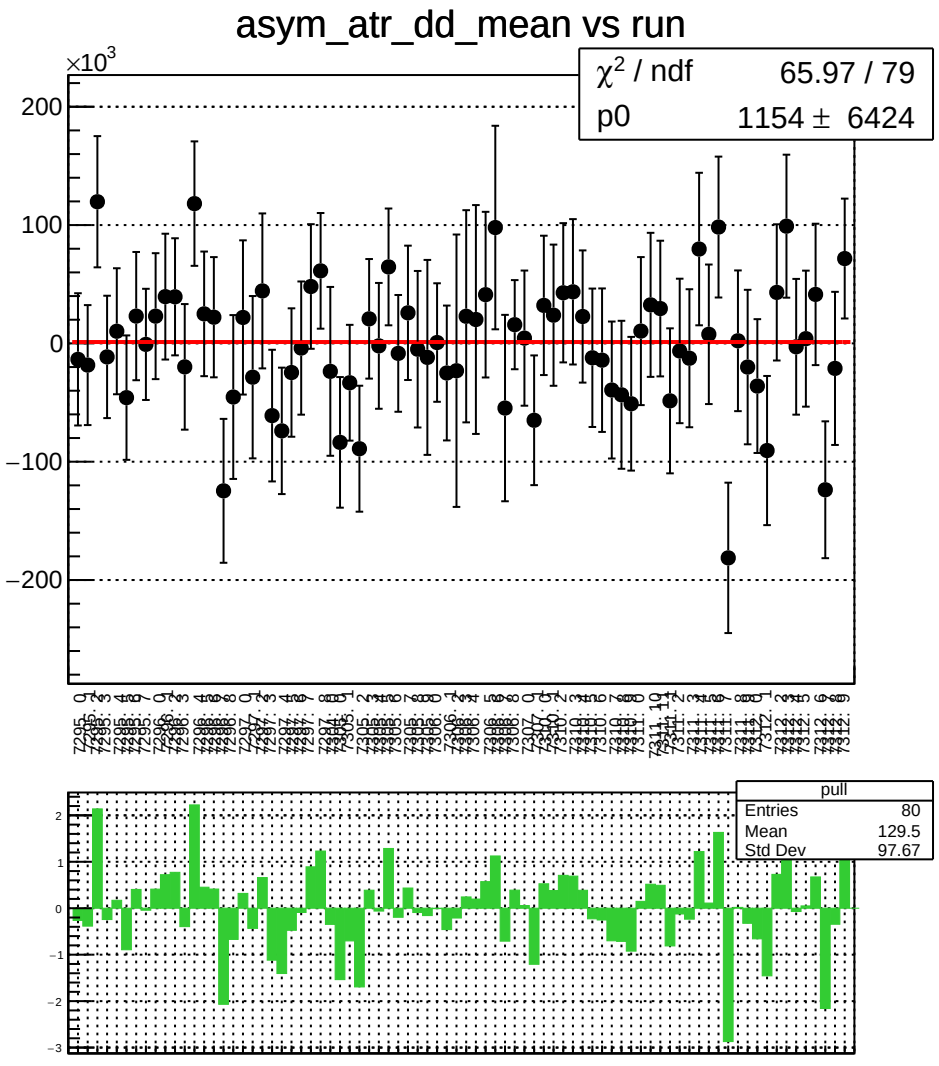

pull1D
Entries 80
Mean −0.01177
Std Dev 1.051

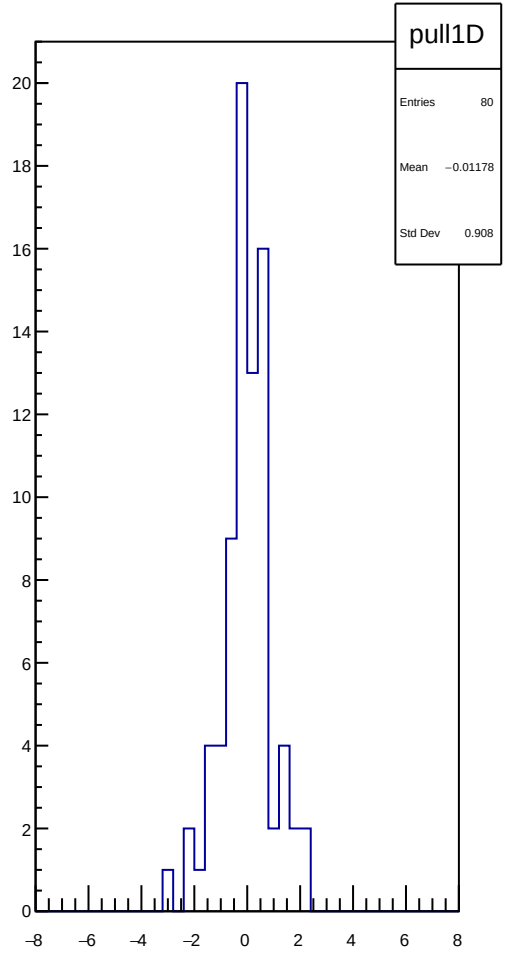

dit_asym_atr_dd_rms vs run
χ² / ndf 1304 / 79
p0 1968 ± 1.624
2300
2250
2200
2150
2100
2050
2000
1950
1900
1850

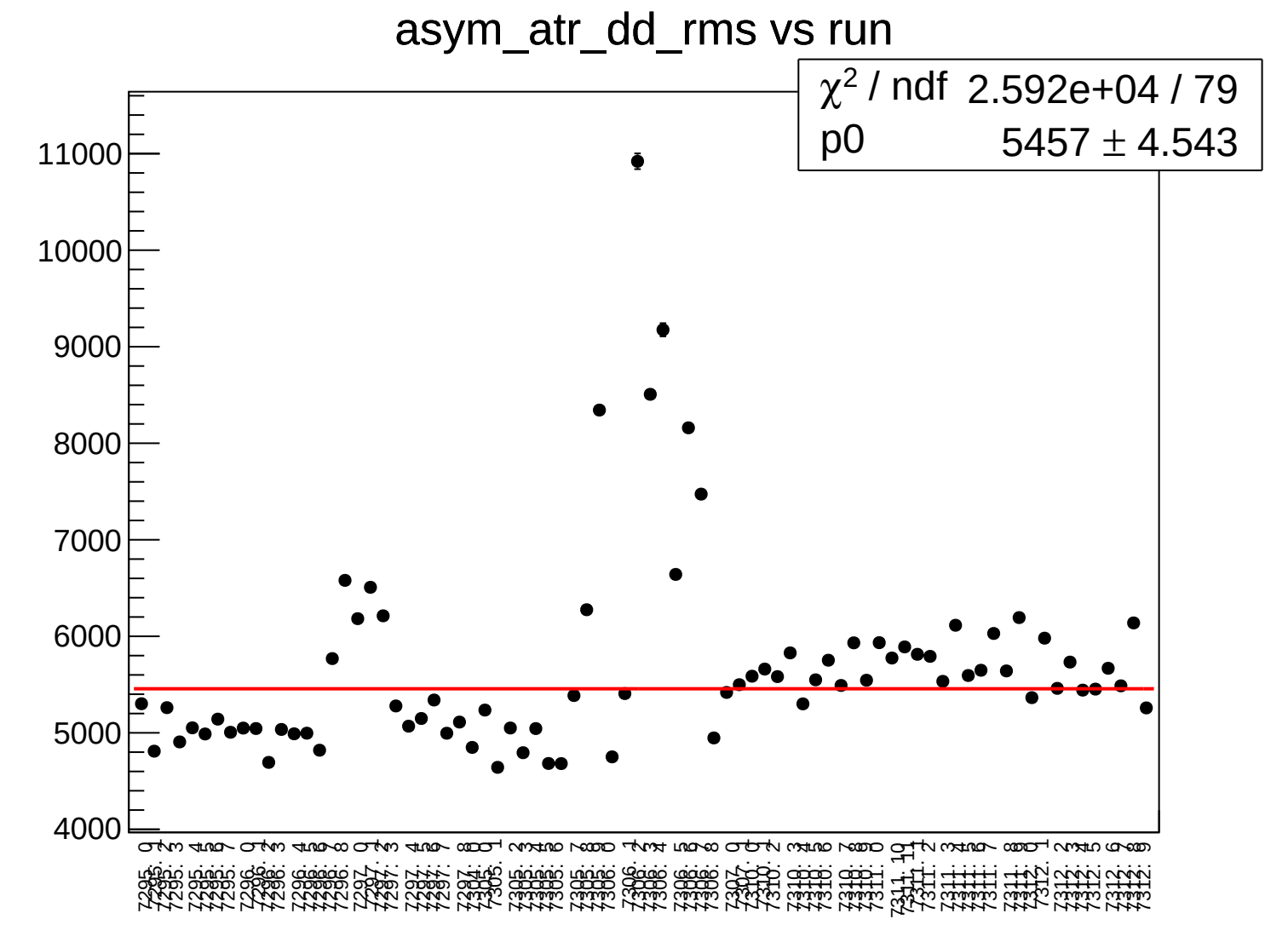

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 63.68 / 79
p0 105.4 ± 5945
pull
Entries 80
Mean 156.8
Std Dev 127.9

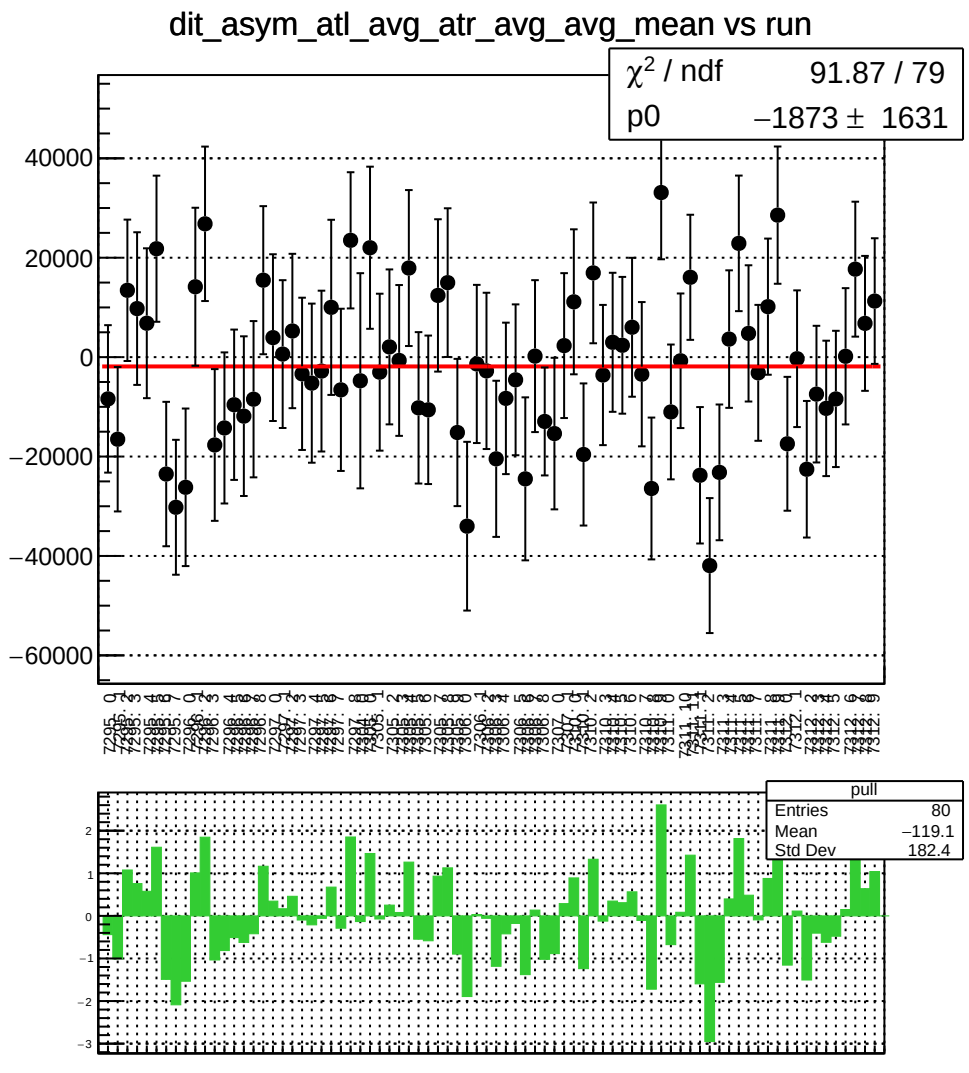

pull1D
Entries 80
Mean 0.0123
Std Dev 0.8921

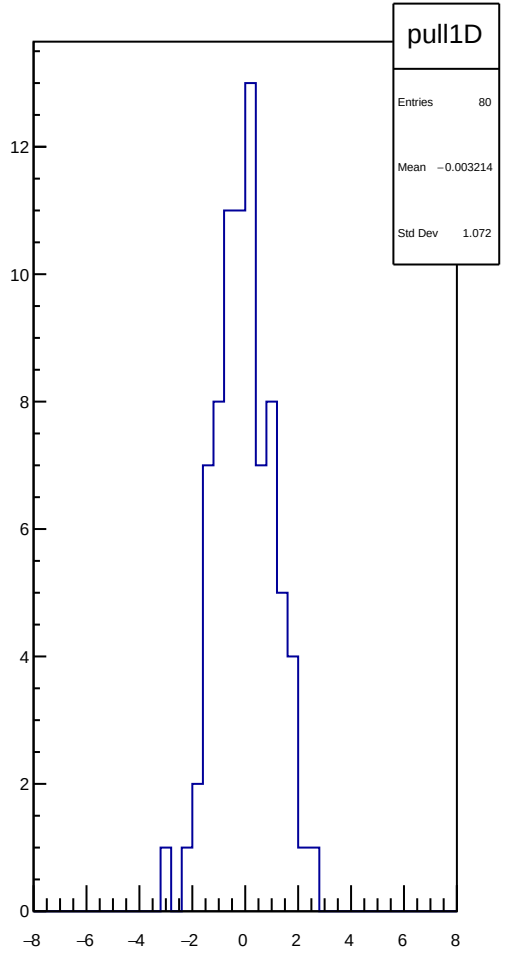

asym_atr_dd_correction_rms vs run
χ² / ndf 2.997e+04 / 79
p0 5042 ± 4.203
11000
10000
9000
8000
7000
6000
5000
4000

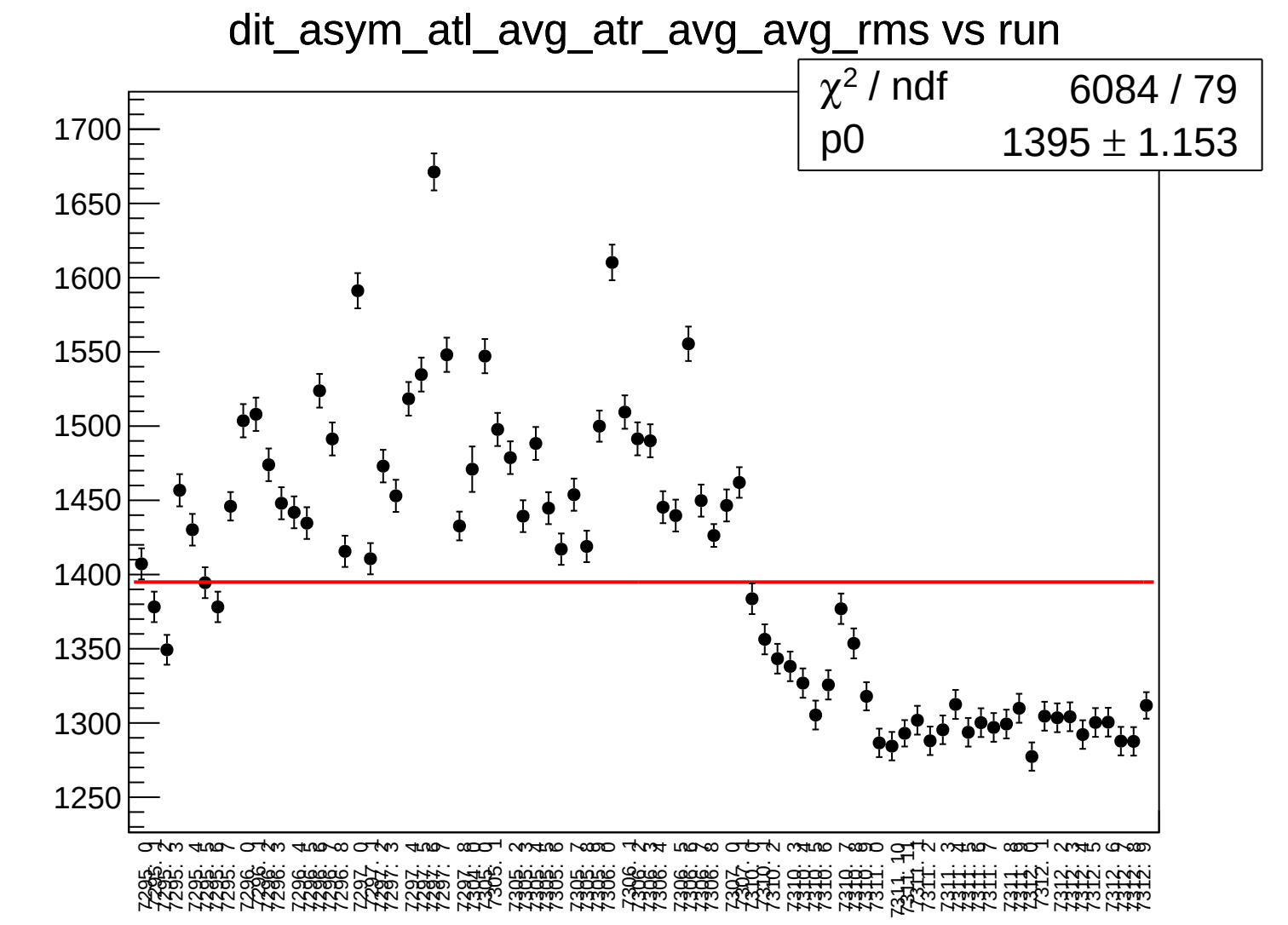

asym_atr_dd_mean vs run
×10^3
χ² / ndf 65.97 / 79
p0 1154 ± 6424
200
100
0
−100
−200
pull
Entries 80
Mean 129.5
Std Dev 97.67
2
1
0
−1
−2
−3

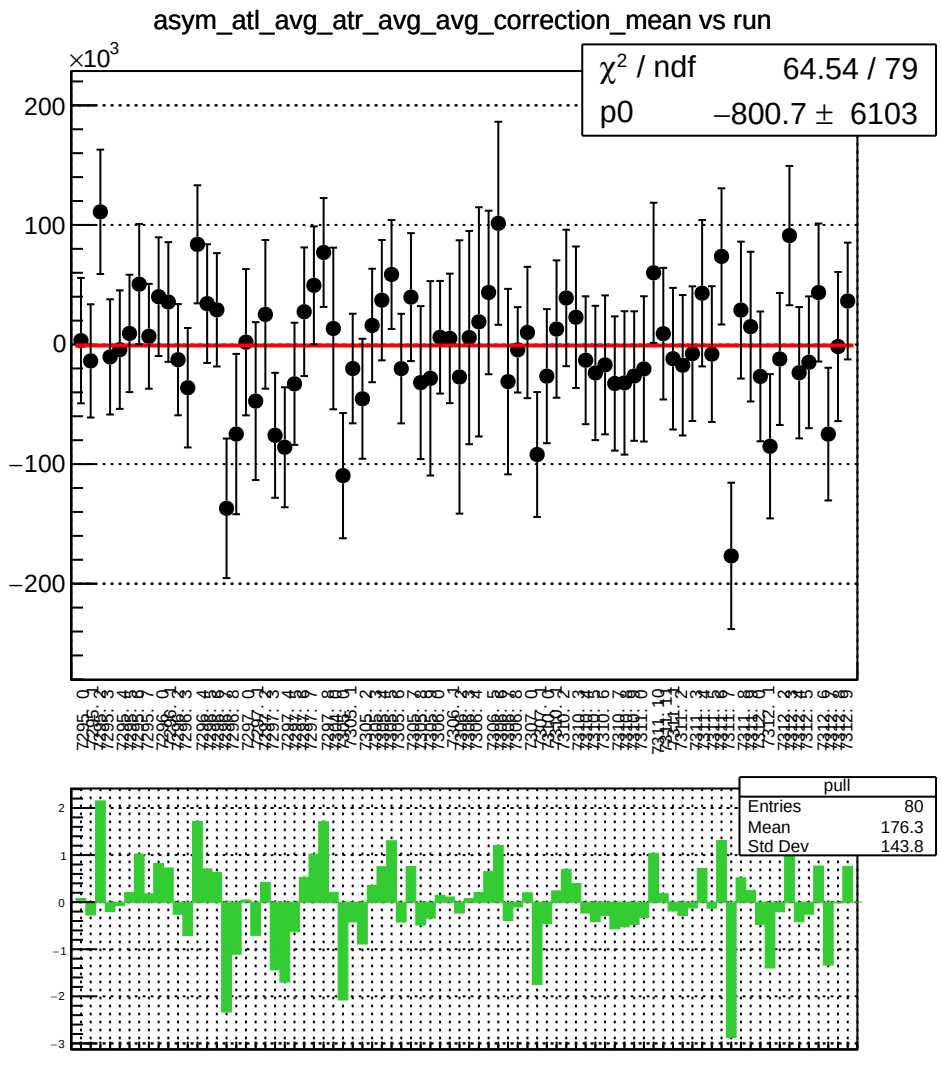

pull1D
Entries 80
Mean −0.01178
Std Dev 0.908
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

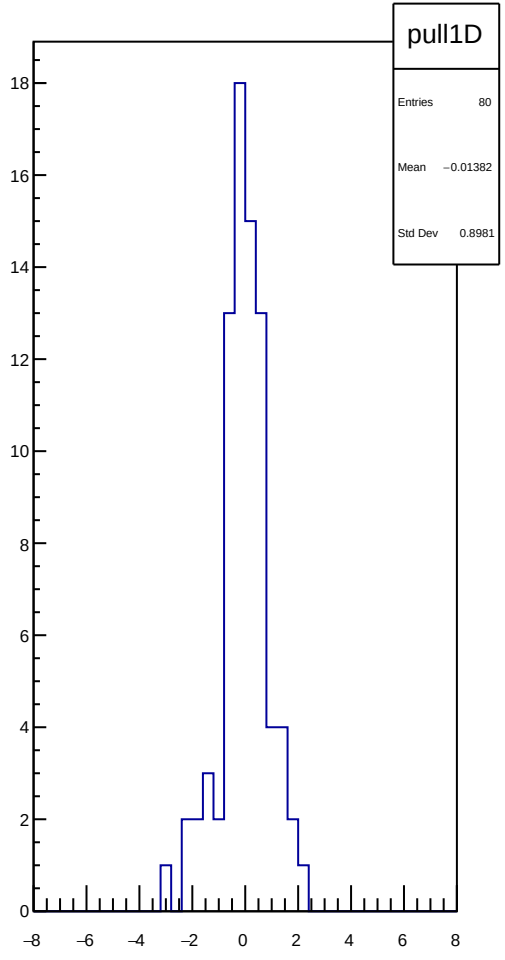

asym_atr_dd_rms vs run
χ^2 / ndf 2.592e+04 / 79
p0 5457 ± 4.543
11000
10000
9000
8000
7000
6000
5000
4000

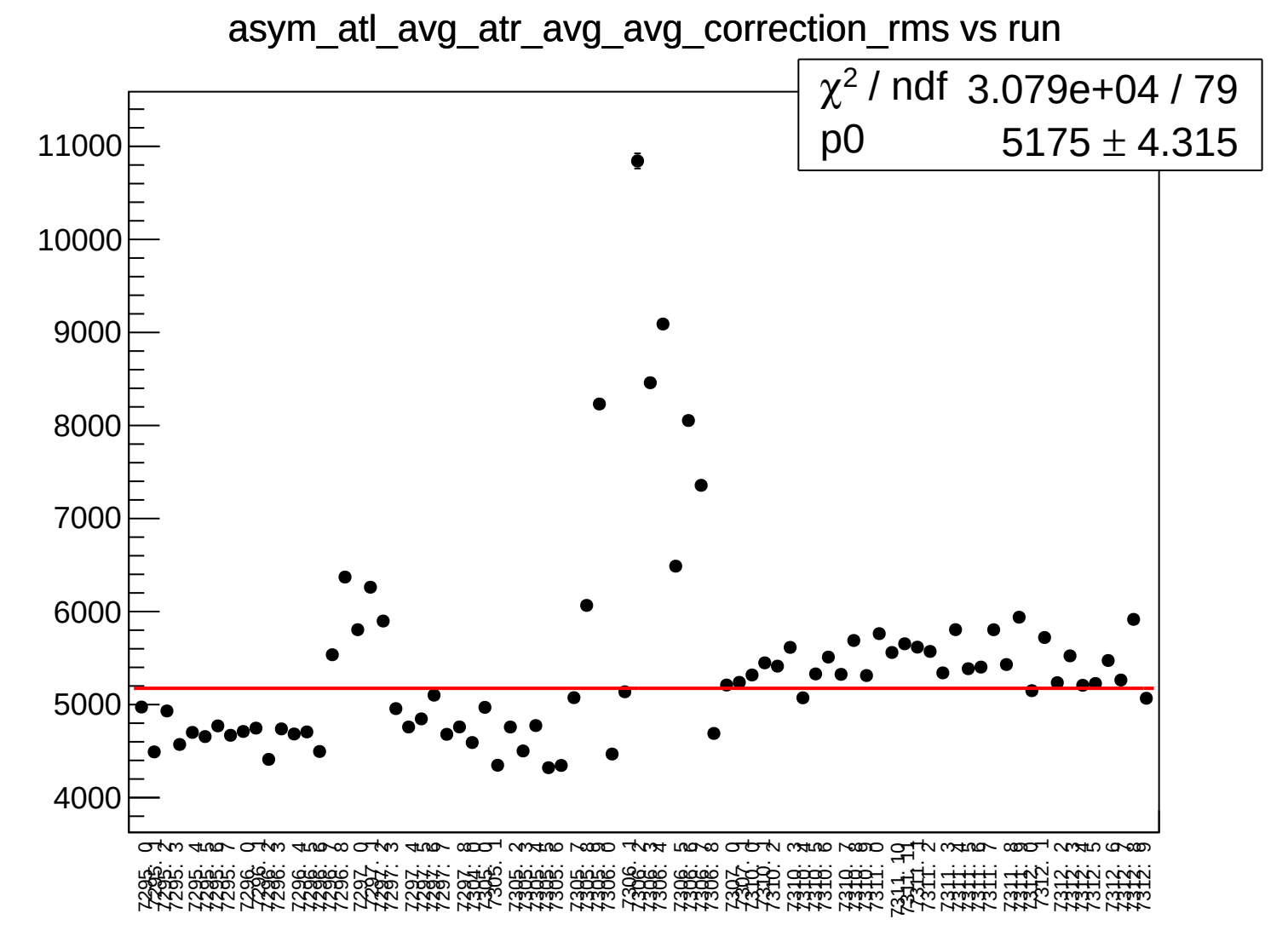

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 91.87 / 79
p0 −1873 ± 1631
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −119.1
Std Dev 182.4
2
1
0
−1
−2
−3

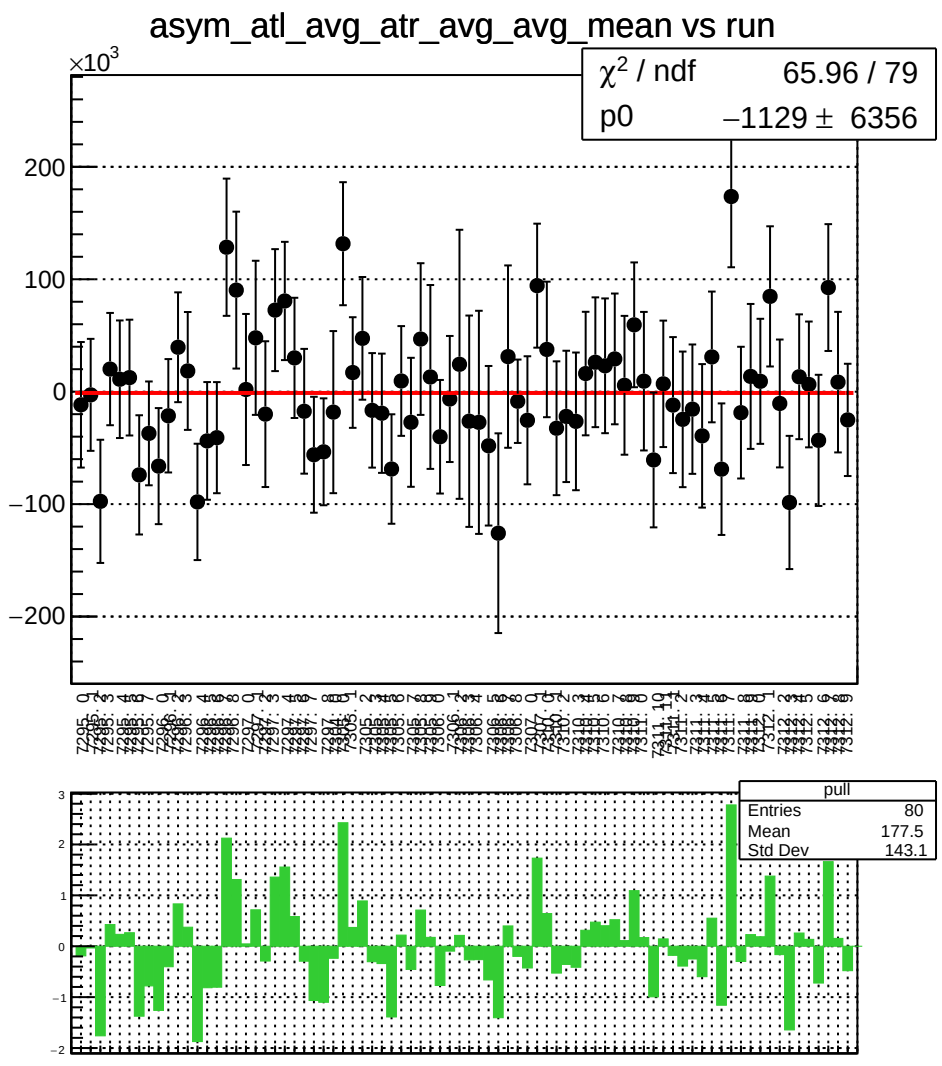

pull1D
Entries 80
Mean −0.003214
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

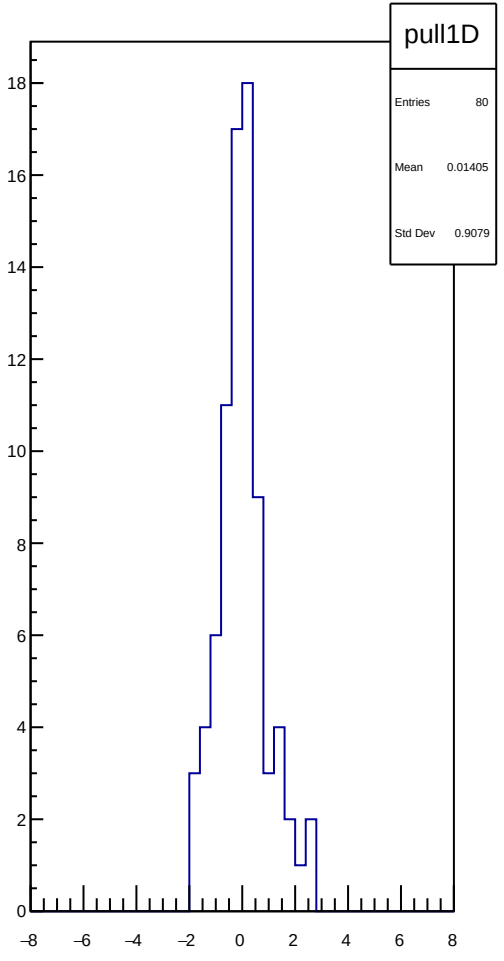

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6084 / 79
p0 1395 ± 1.153
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250

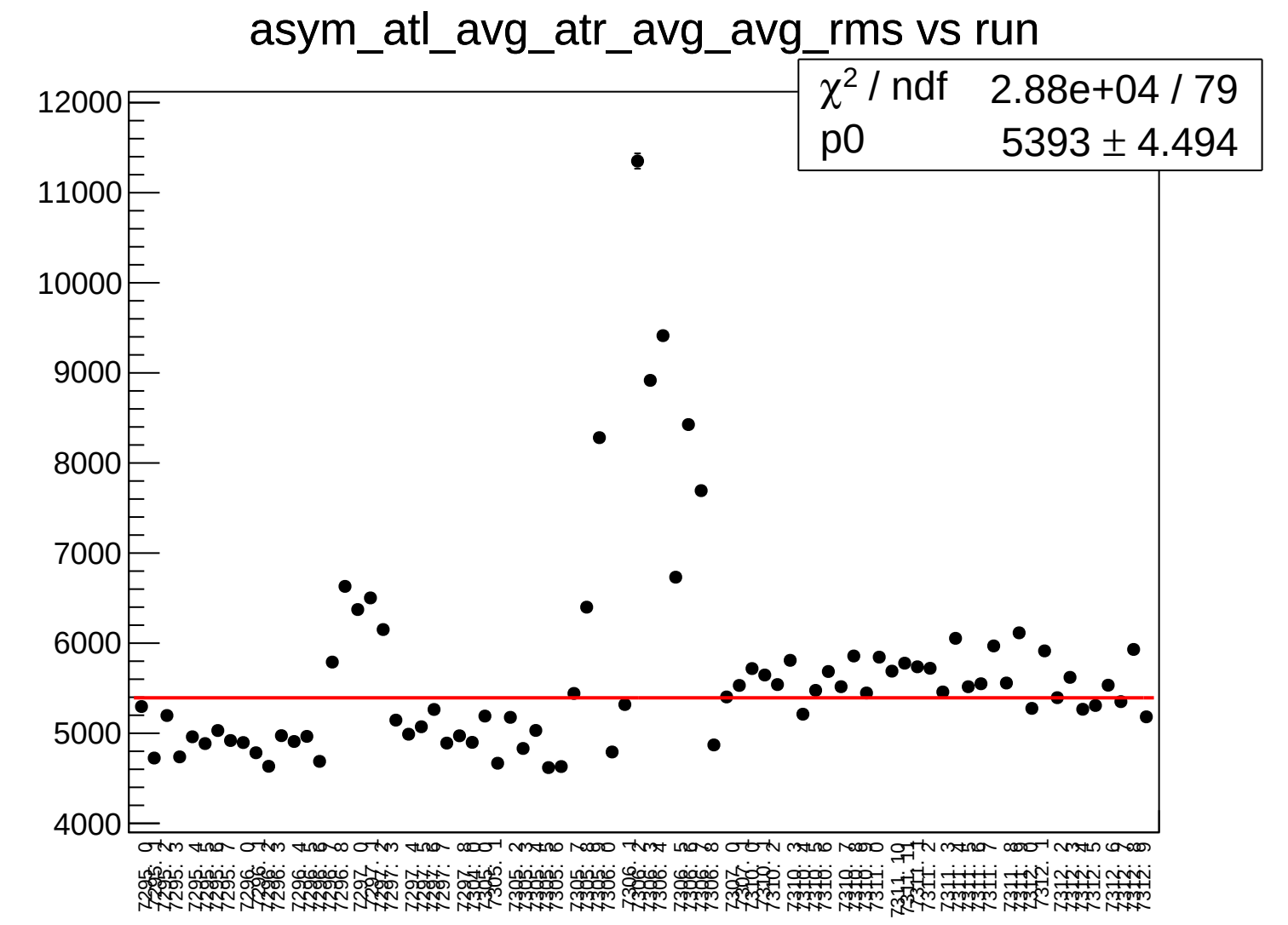

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 64.54 / 79
p0 −800.7 ± 6103
200
100
0
−100
−200
pull
Entries 80
Mean 176.3
Std Dev 143.8
2
1
0
−1
−2
−3

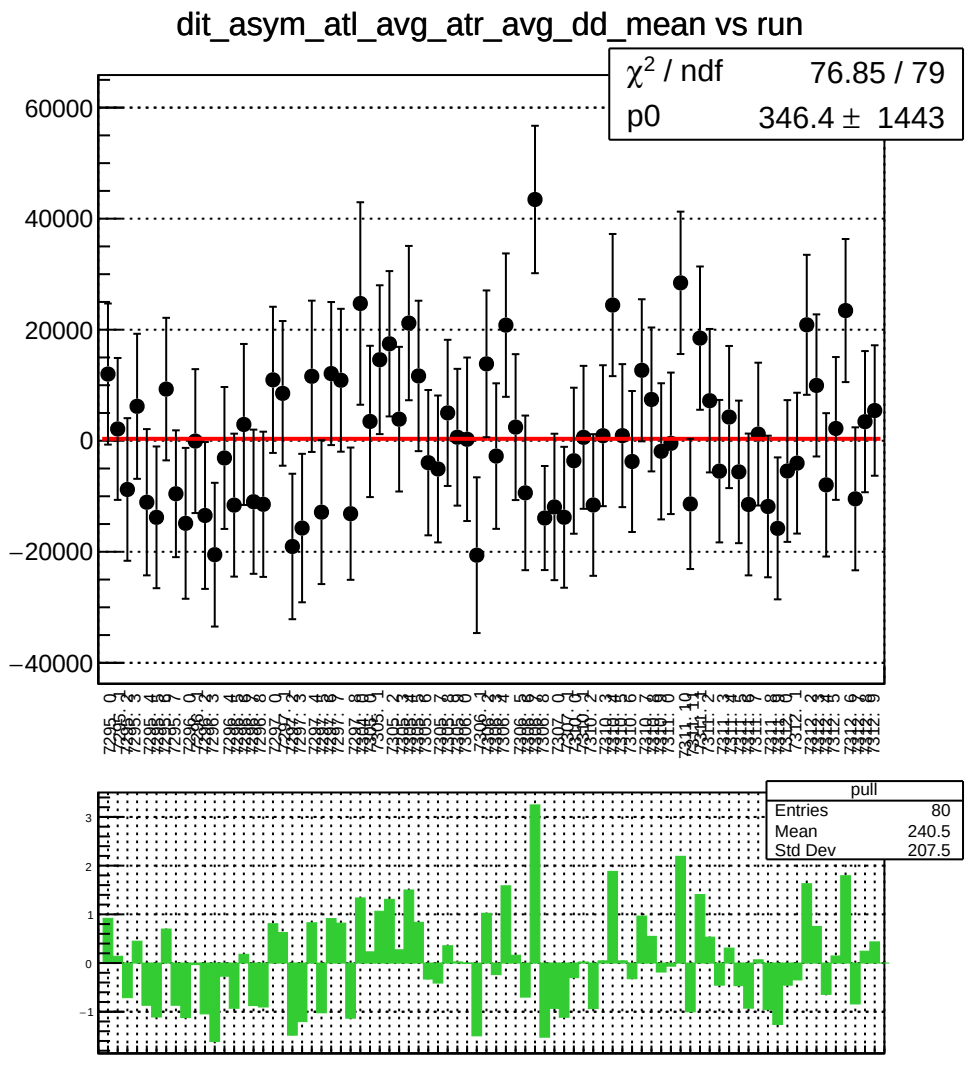

pull1D
Entries 80
Mean −0.01382
Std Dev 0.8981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

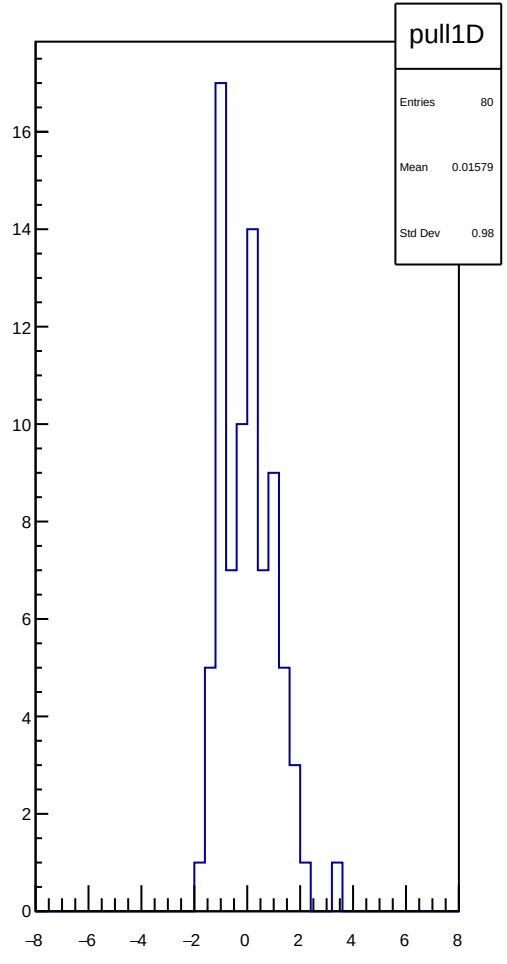

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3.079e+04 / 79
p0 5175 ± 4.315
11000
10000
9000
8000
7000
6000
5000
4000

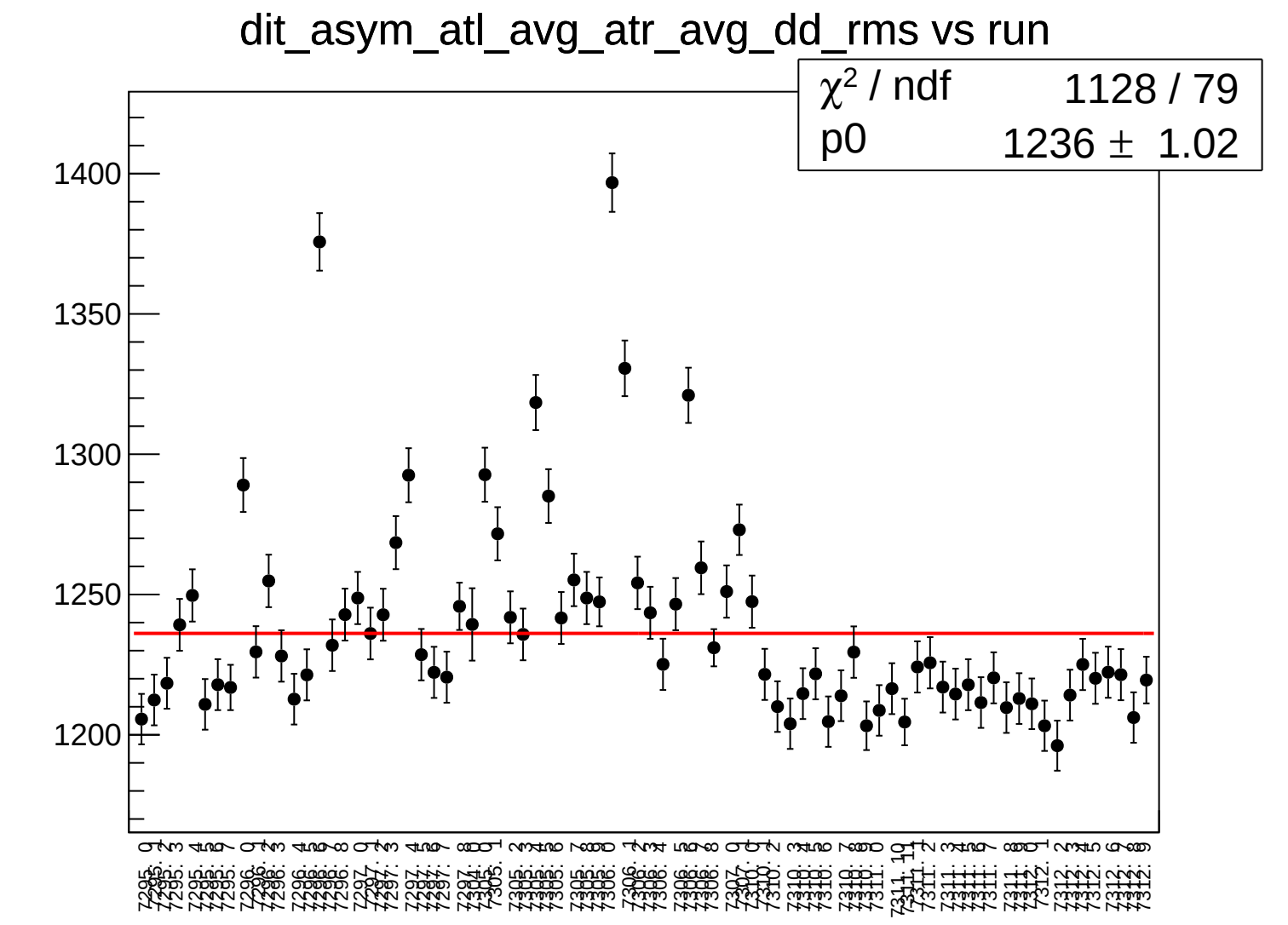

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 65.96 / 79
p0 −1129 ± 6356
200
100
0
−100
−200
pull
Entries 80
Mean 177.5
Std Dev 143.1
3
2
1
0
−1
−2

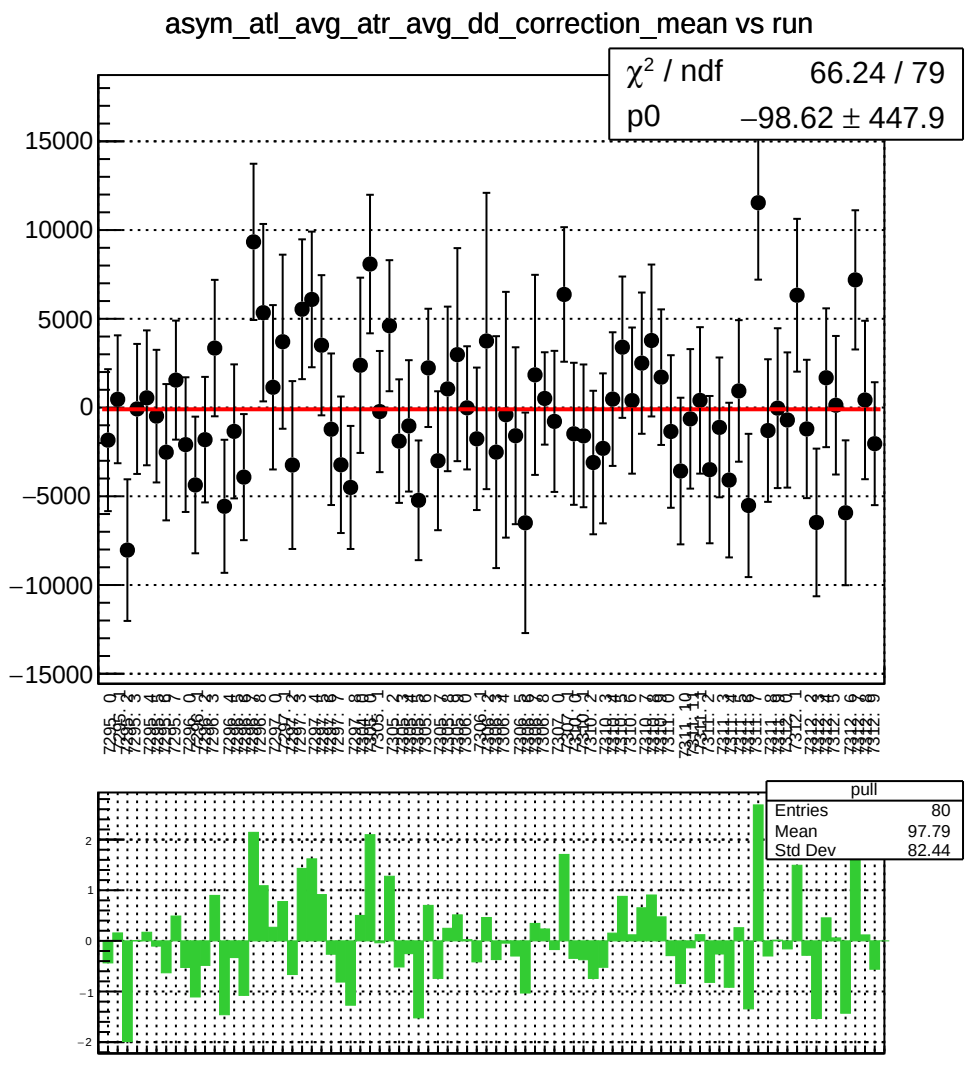

pull1D
Entries 80
Mean 0.01405
Std Dev 0.9079
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

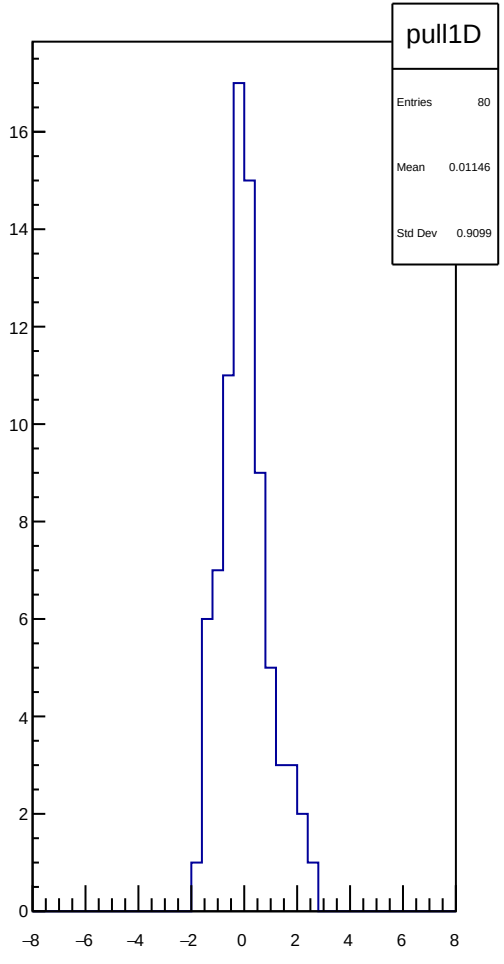

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.88e+04 / 79
p0 5393 ± 4.494
12000
11000
10000
9000
8000
7000
6000
5000
4000

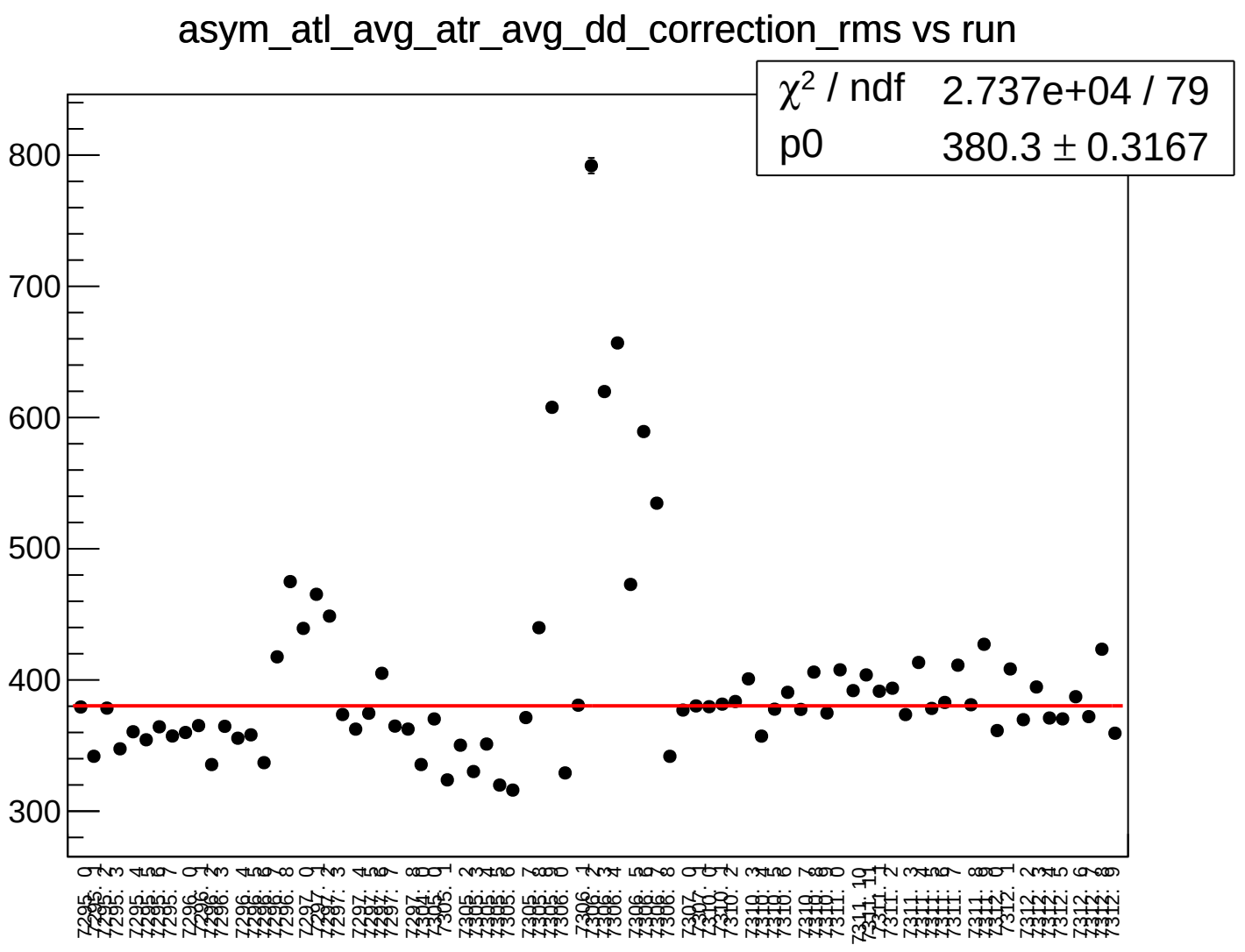

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.85 / 79
p0 346.4 ± 1443
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 240.5
Std Dev 207.5
3
2
1
0
−1

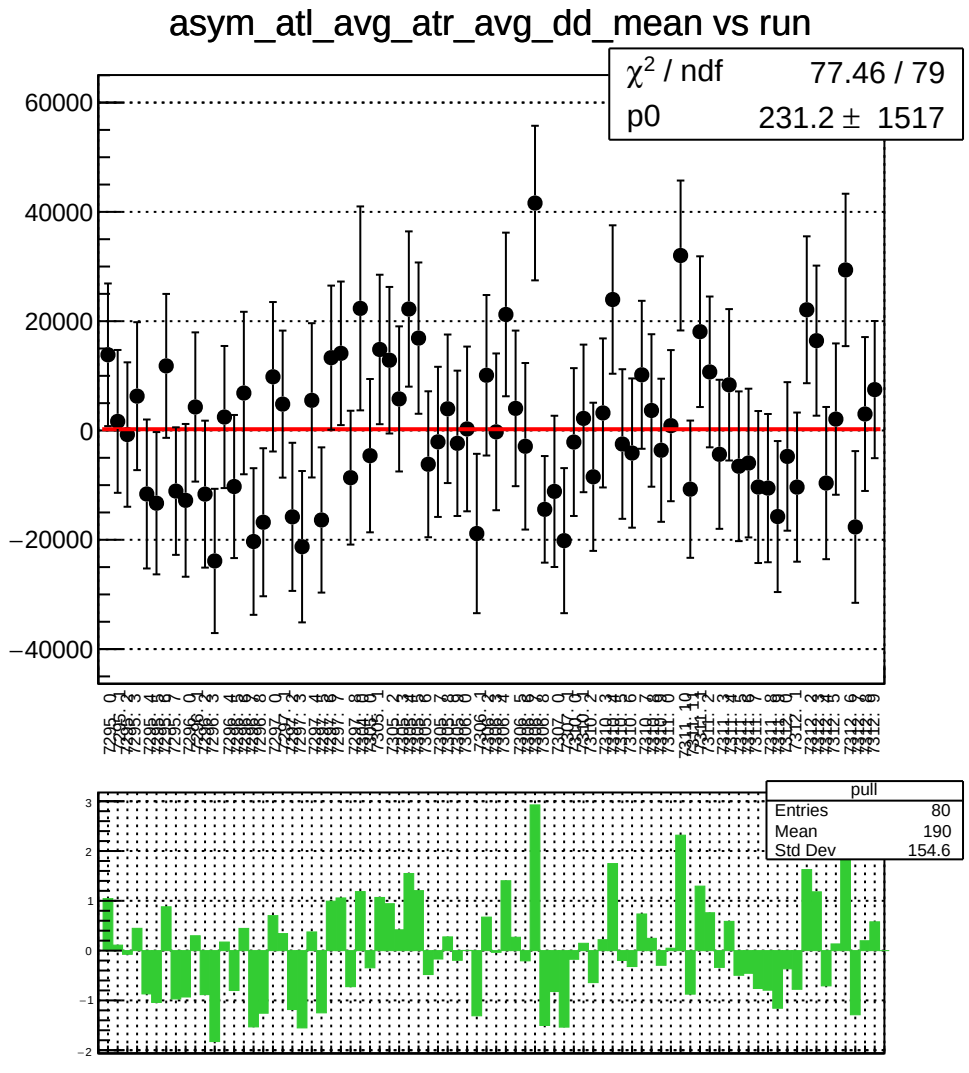

pull1D
Entries 80
Mean 0.01579
Std Dev 0.98
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

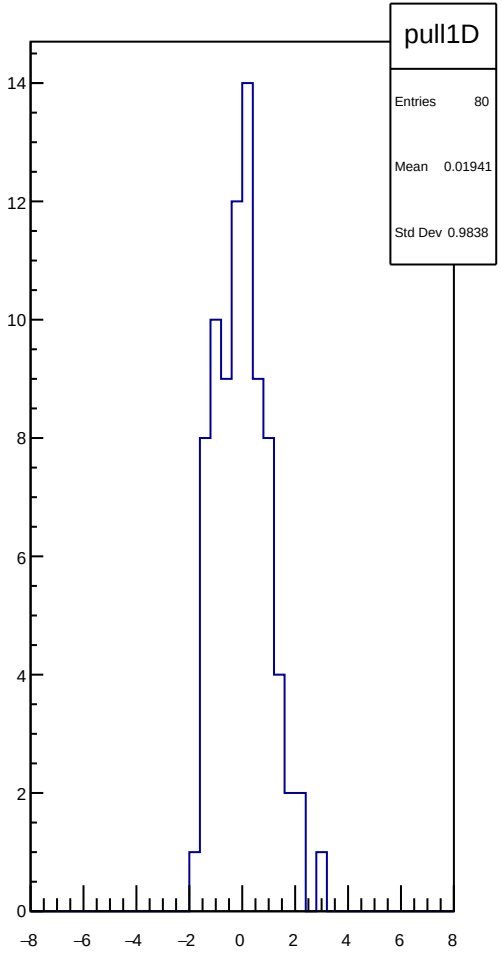

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1128 / 79
p0 1236 ± 1.02
1400
1350
1300
1250
1200

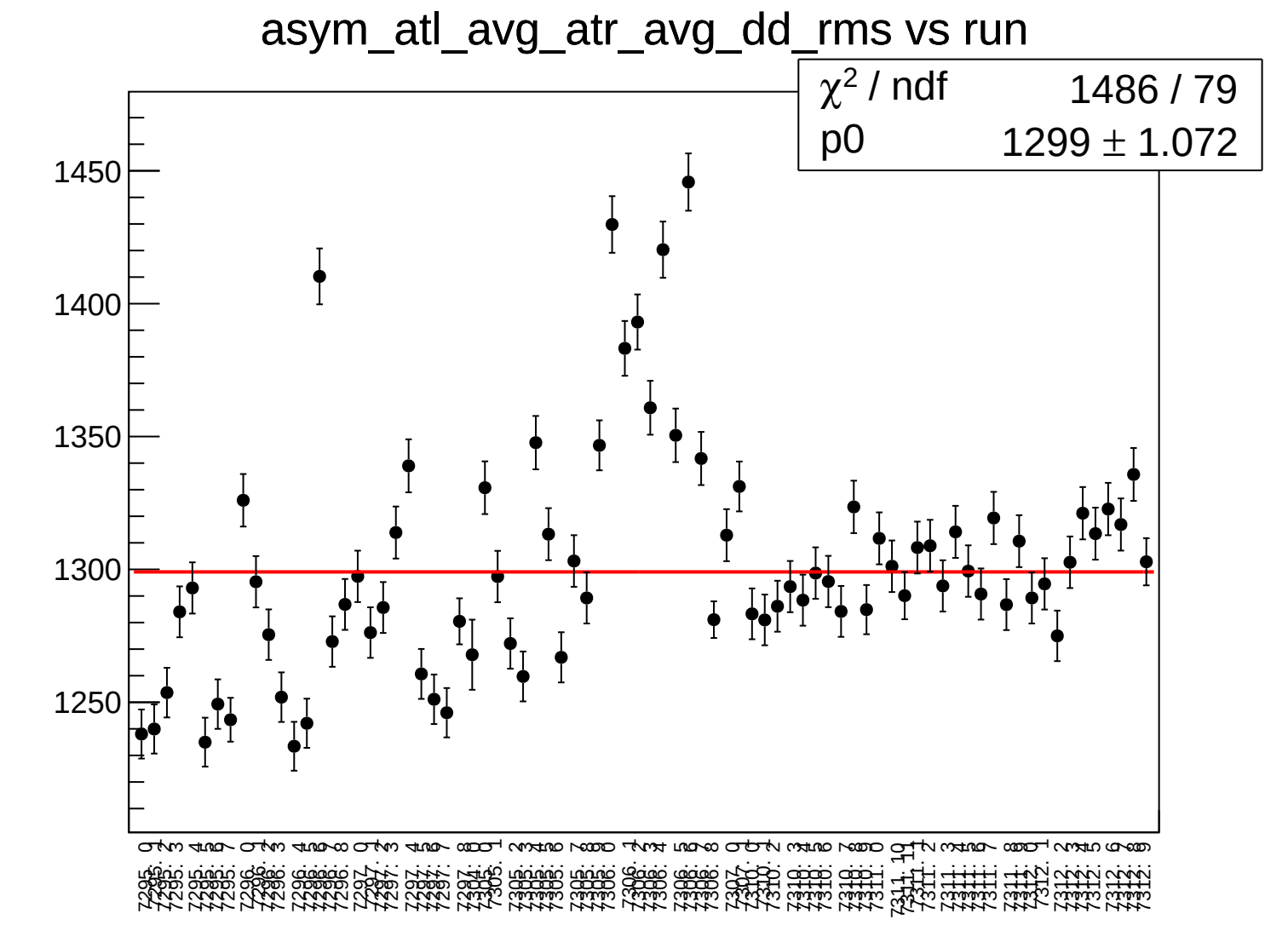

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 66.24 / 79
p0 −98.62 ± 447.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 97.79
Std Dev 82.44
2
1
0
−1
−2

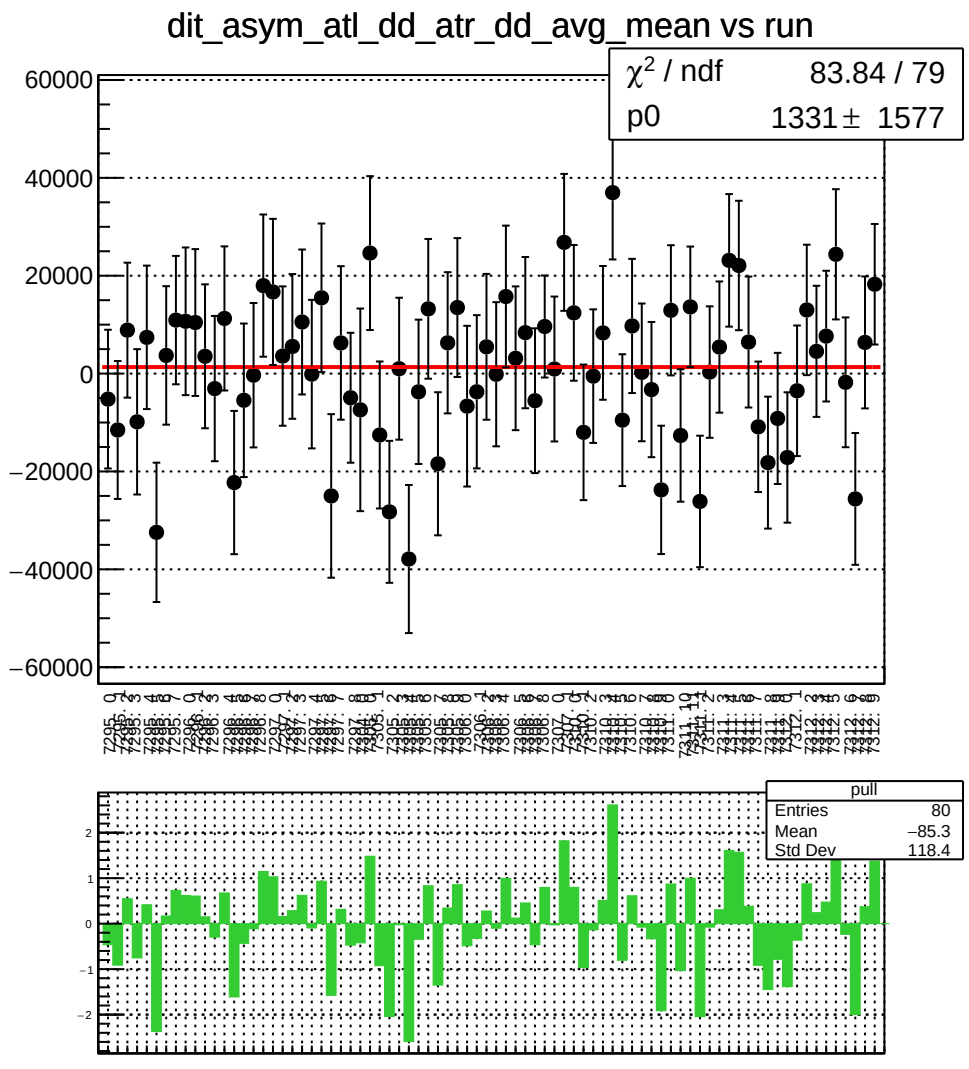

pull1D
Entries 80
Mean 0.01146
Std Dev 0.9099
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

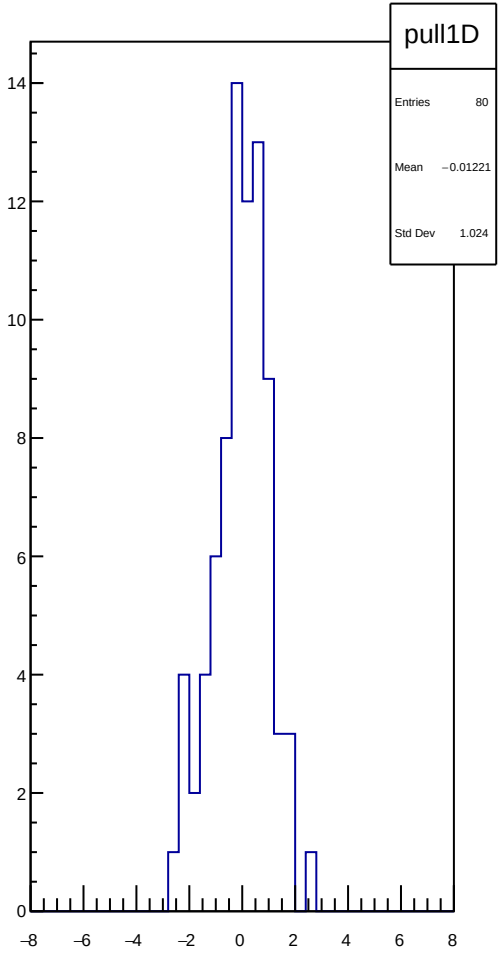

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.737e+04 / 79
p0 380.3 ± 0.3167
800
700
600
500
400
300

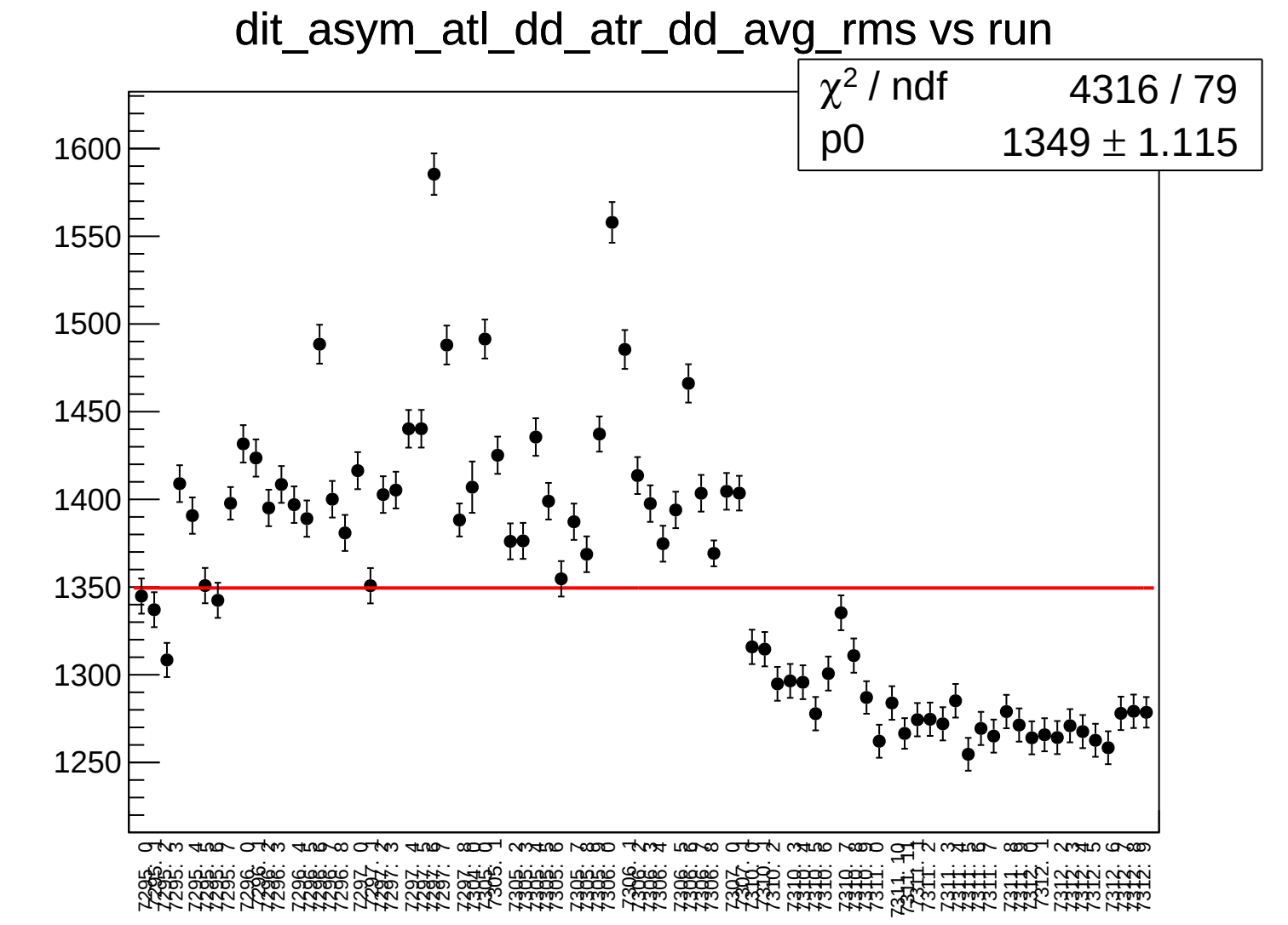

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.46 / 79
p0 231.2 ± 1517
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 190
Std Dev 154.6
3
2
1
0
−1
−2

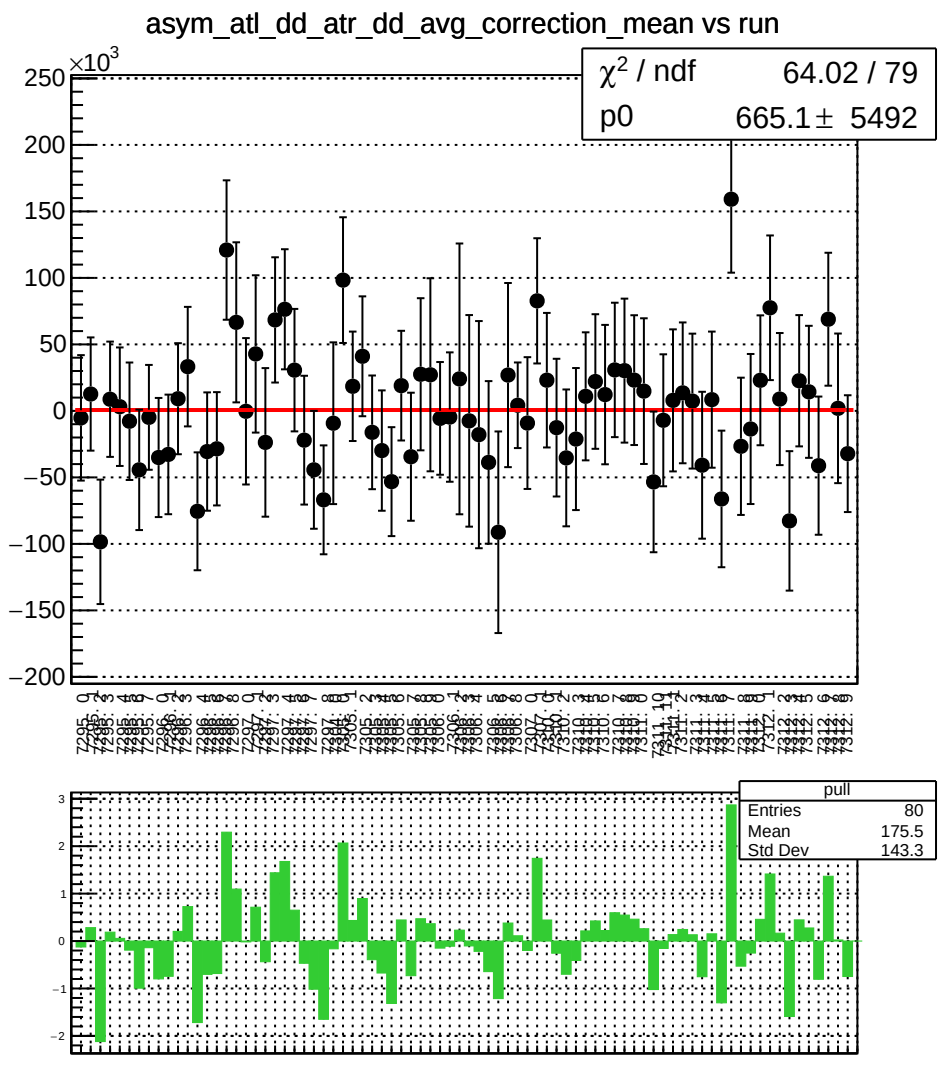

pull1D
Entries 80
Mean 0.01941
Std Dev 0.9838
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

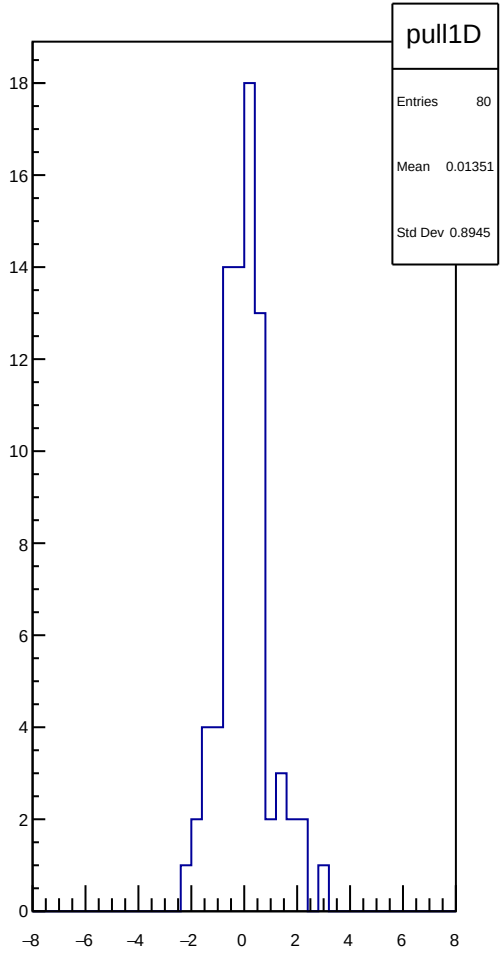

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1486 / 79
p0 1299 ± 1.072
1450
1400
1350
1300
1250

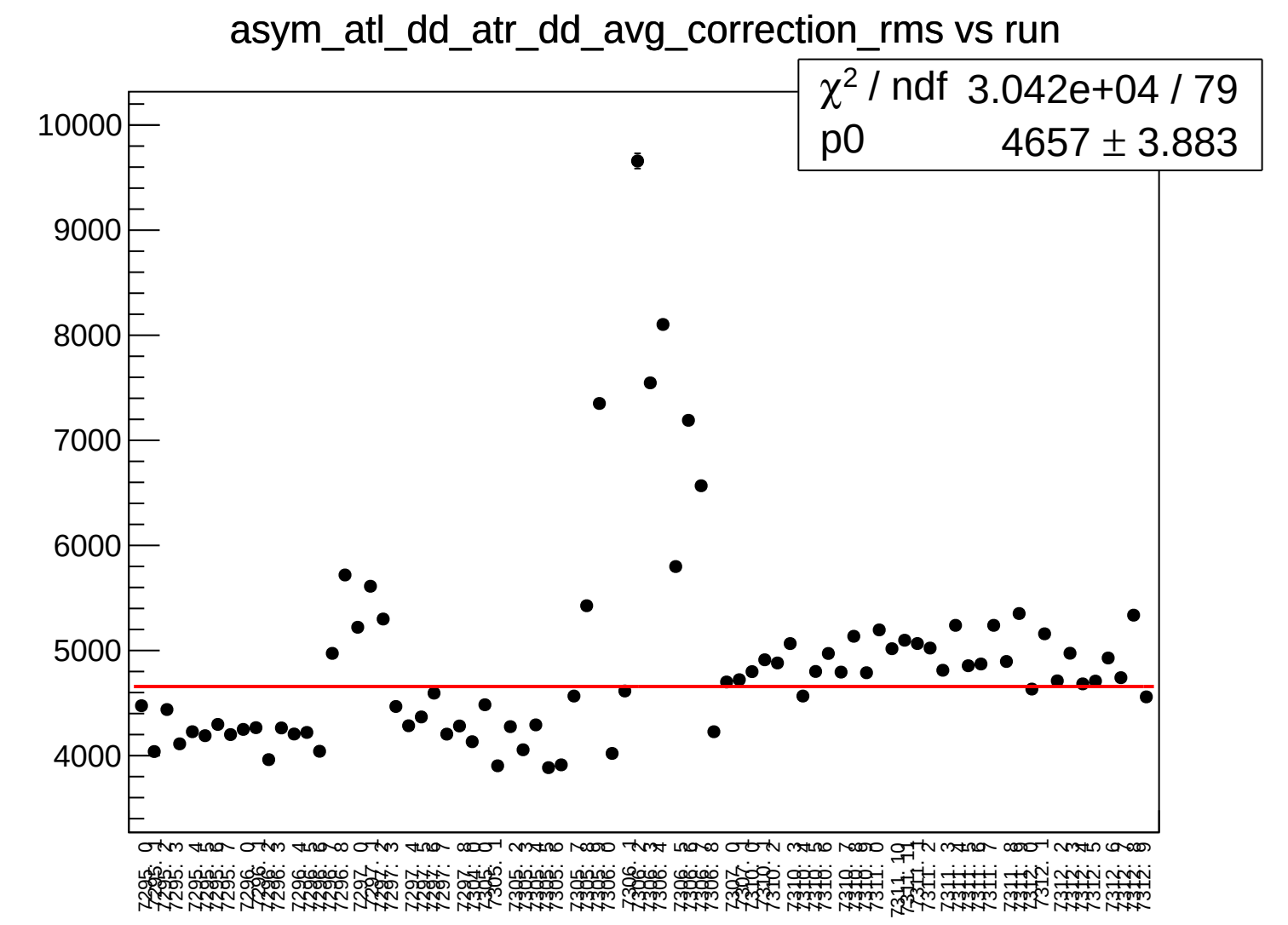

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 83.84 / 79
p0 1331 ± 1577
pull
Entries 80
Mean −85.3
Std Dev 118.4

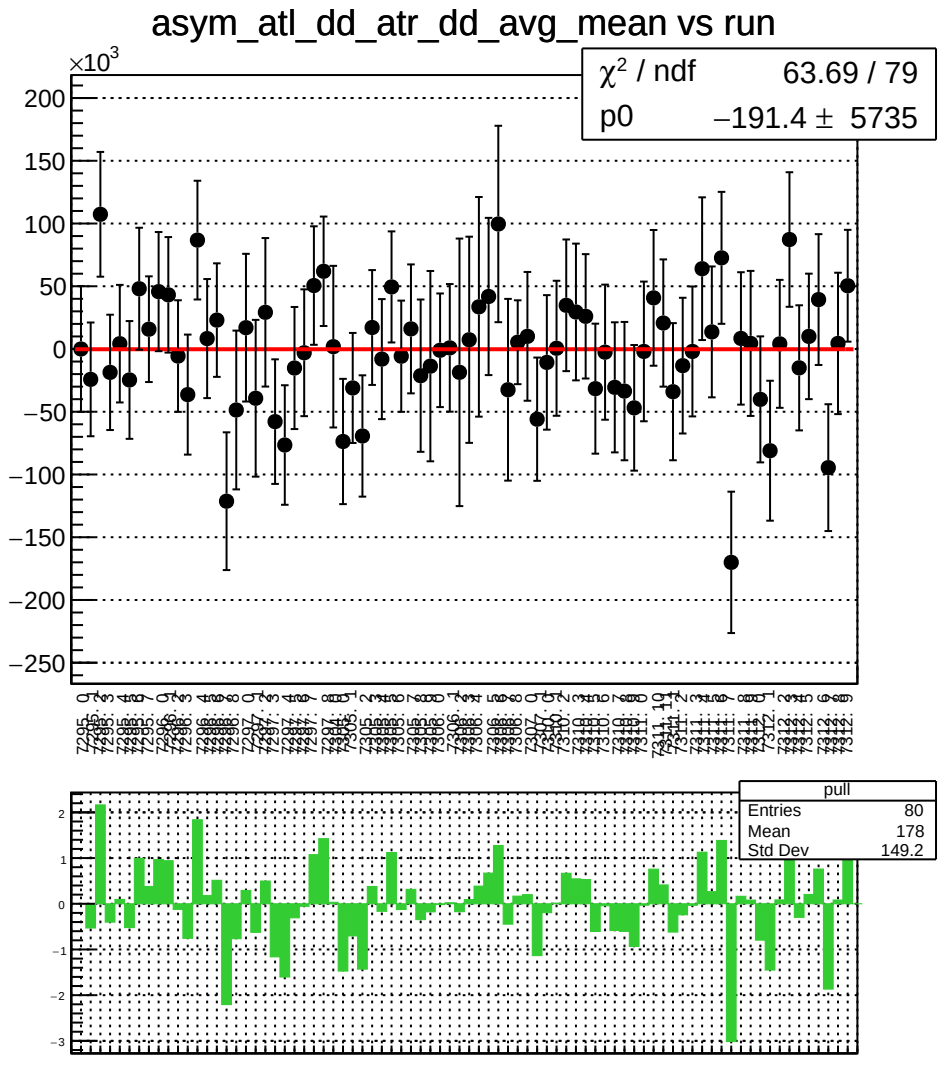

pull1D
Entries 80
Mean −0.01221
Std Dev 1.024

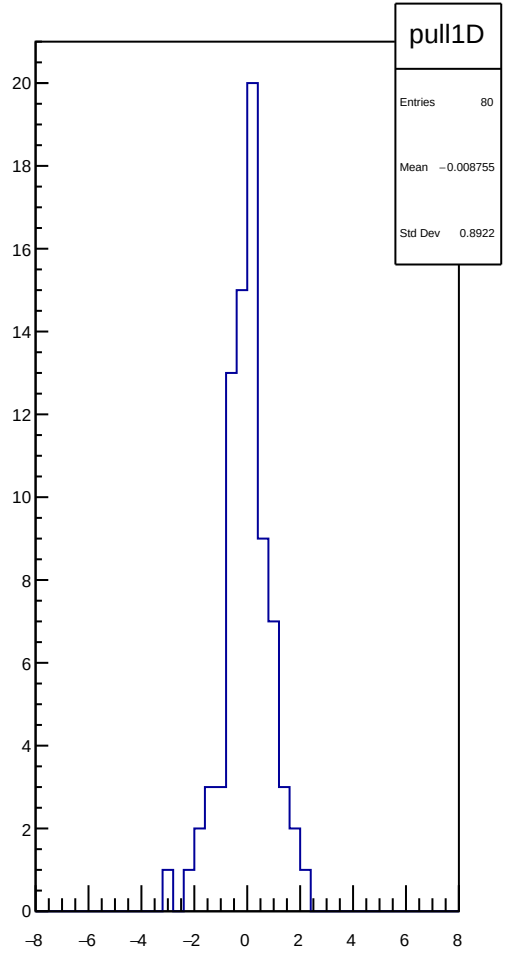

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4316 / 79
p0 1349 ± 1.115
1600
1550
1500
1450
1400
1350
1300
1250

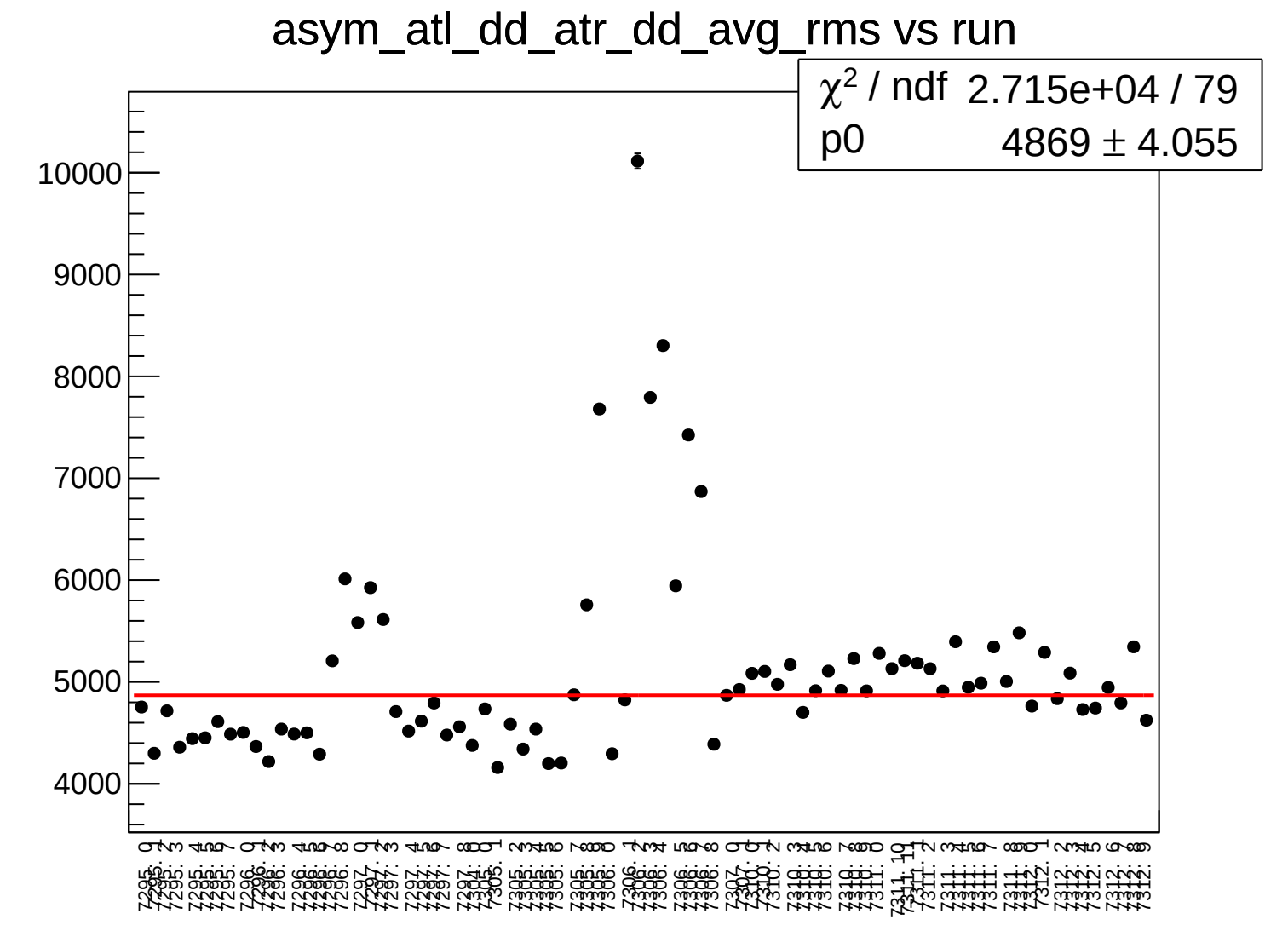

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 64.02 / 79
p0 665.1 ± 5492
pull
Entries 80
Mean 175.5
Std Dev 143.3

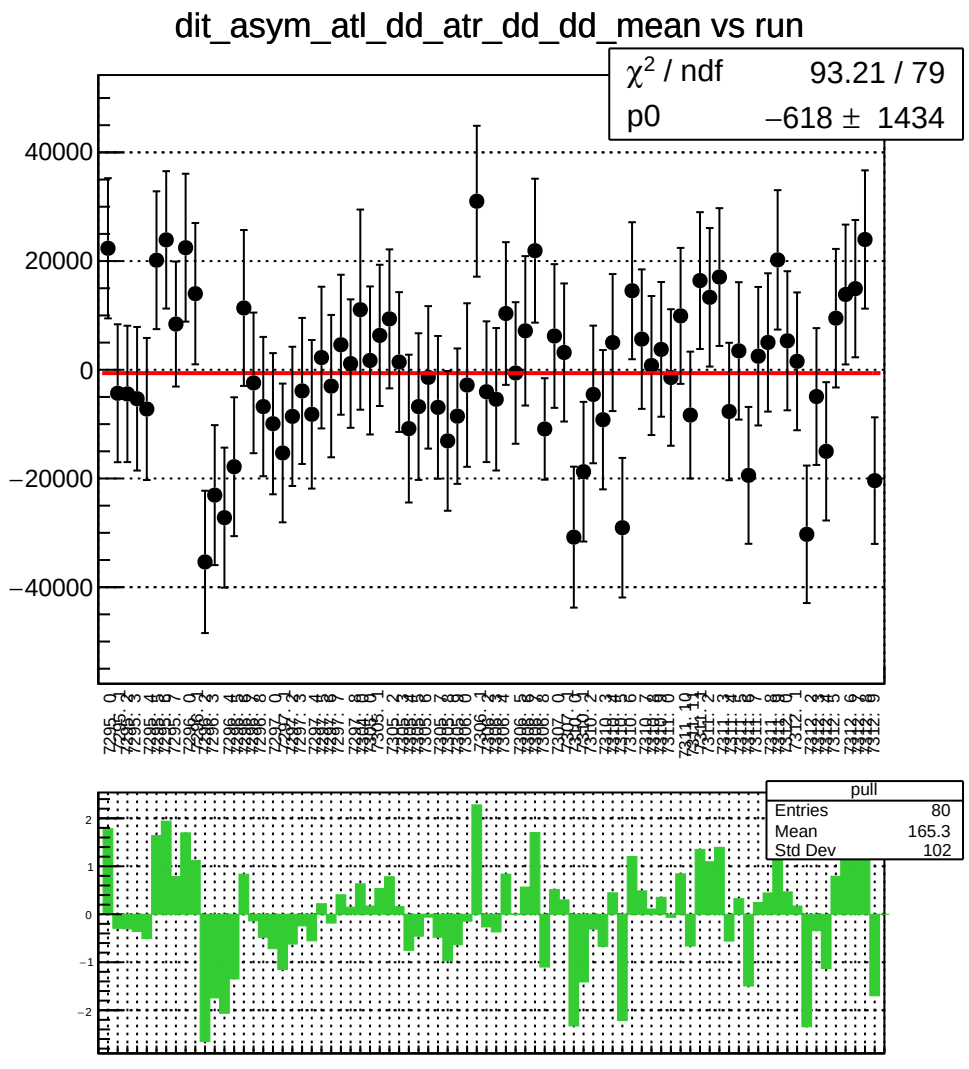

pull1D
Entries 80
Mean 0.01351
Std Dev 0.8945

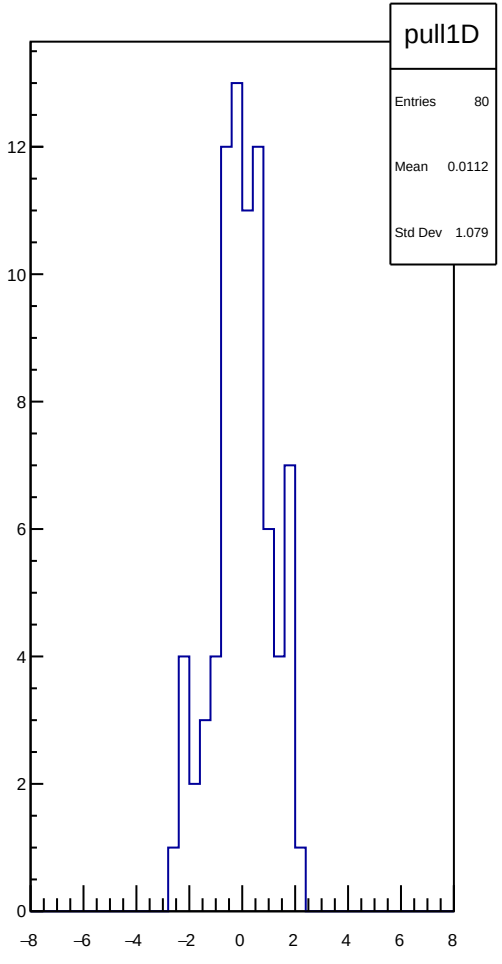

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.042e+04 / 79
p0 4657 ± 3.883
10000
9000
8000
7000
6000
5000
4000

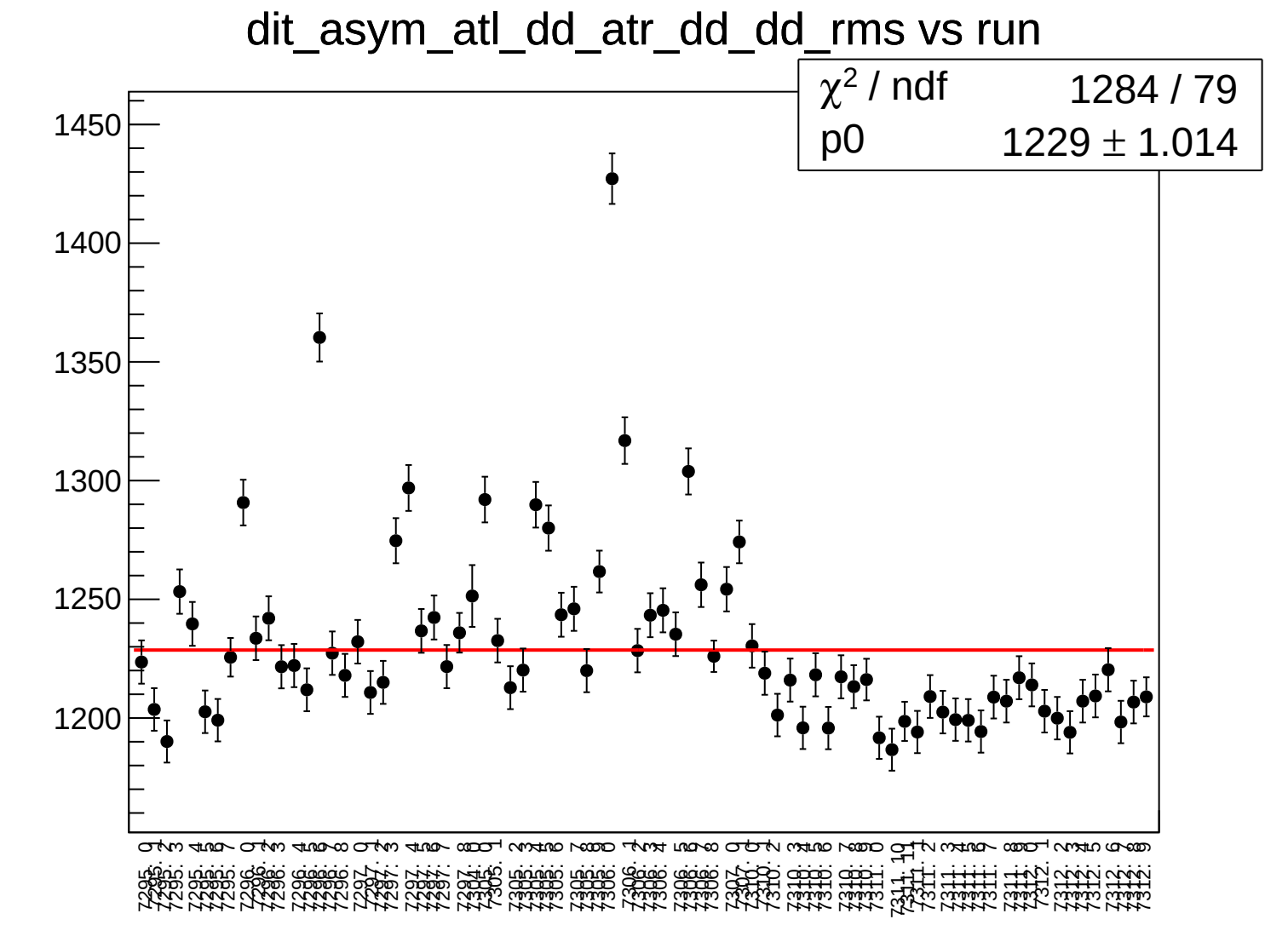

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 63.69 / 79
p0 −191.4 ± 5735
pull
Entries 80
Mean 178
Std Dev 149.2

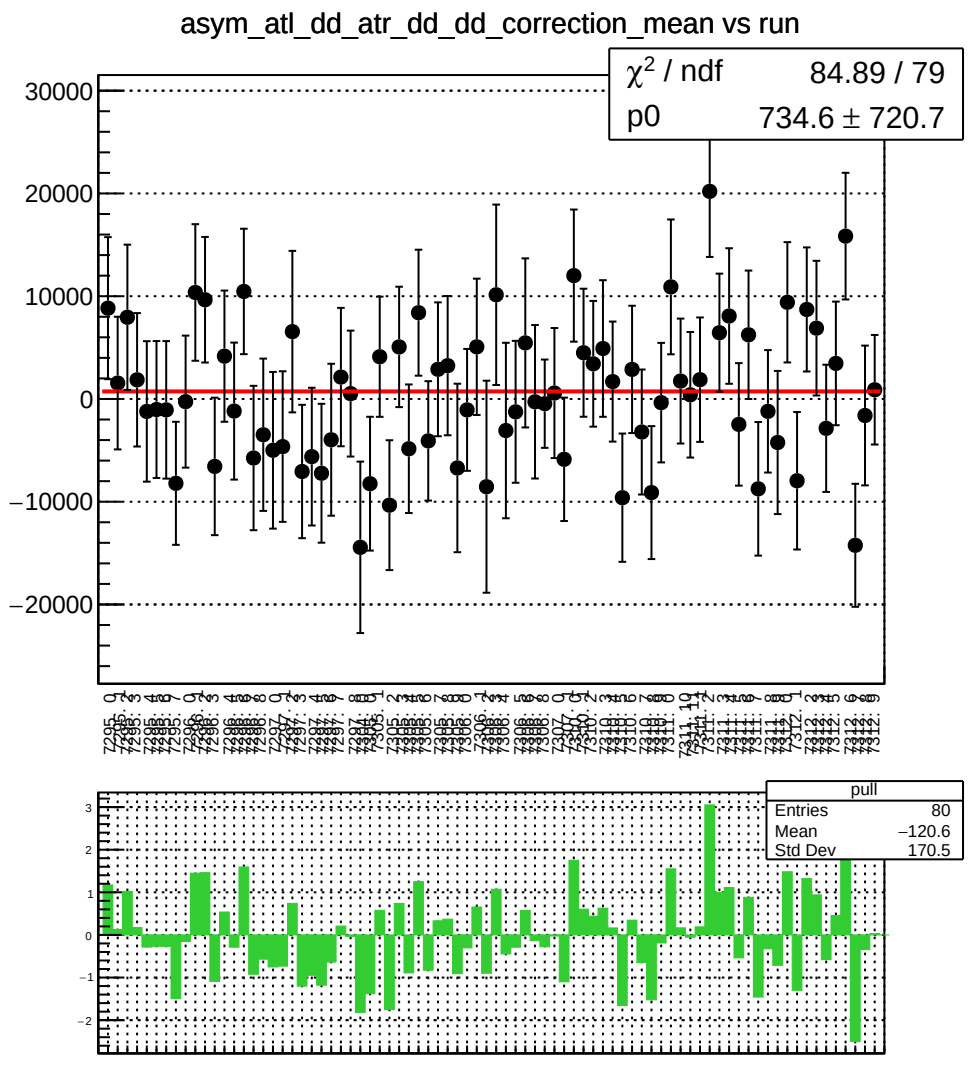

pull1D
Entries 80
Mean −0.008755
Std Dev 0.8922

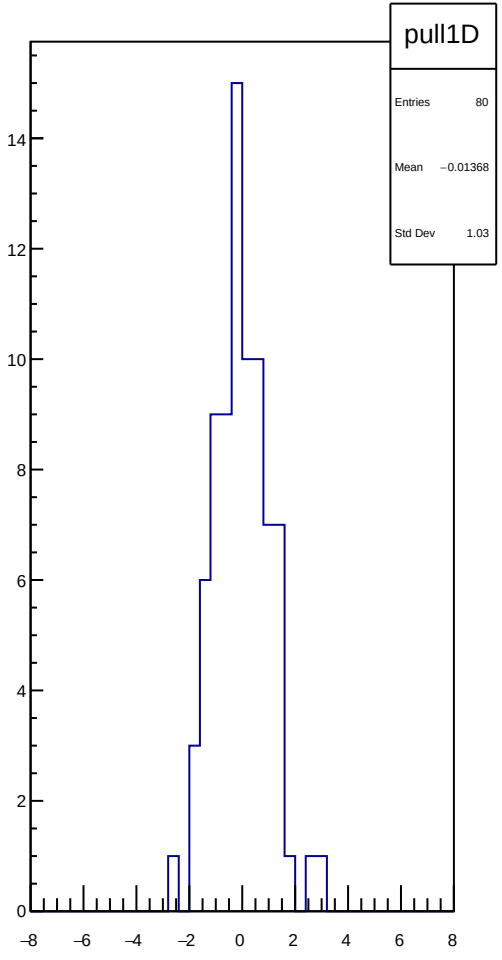

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2.715e+04 / 79
p0 4869 ± 4.055
10000
9000
8000
7000
6000
5000
4000

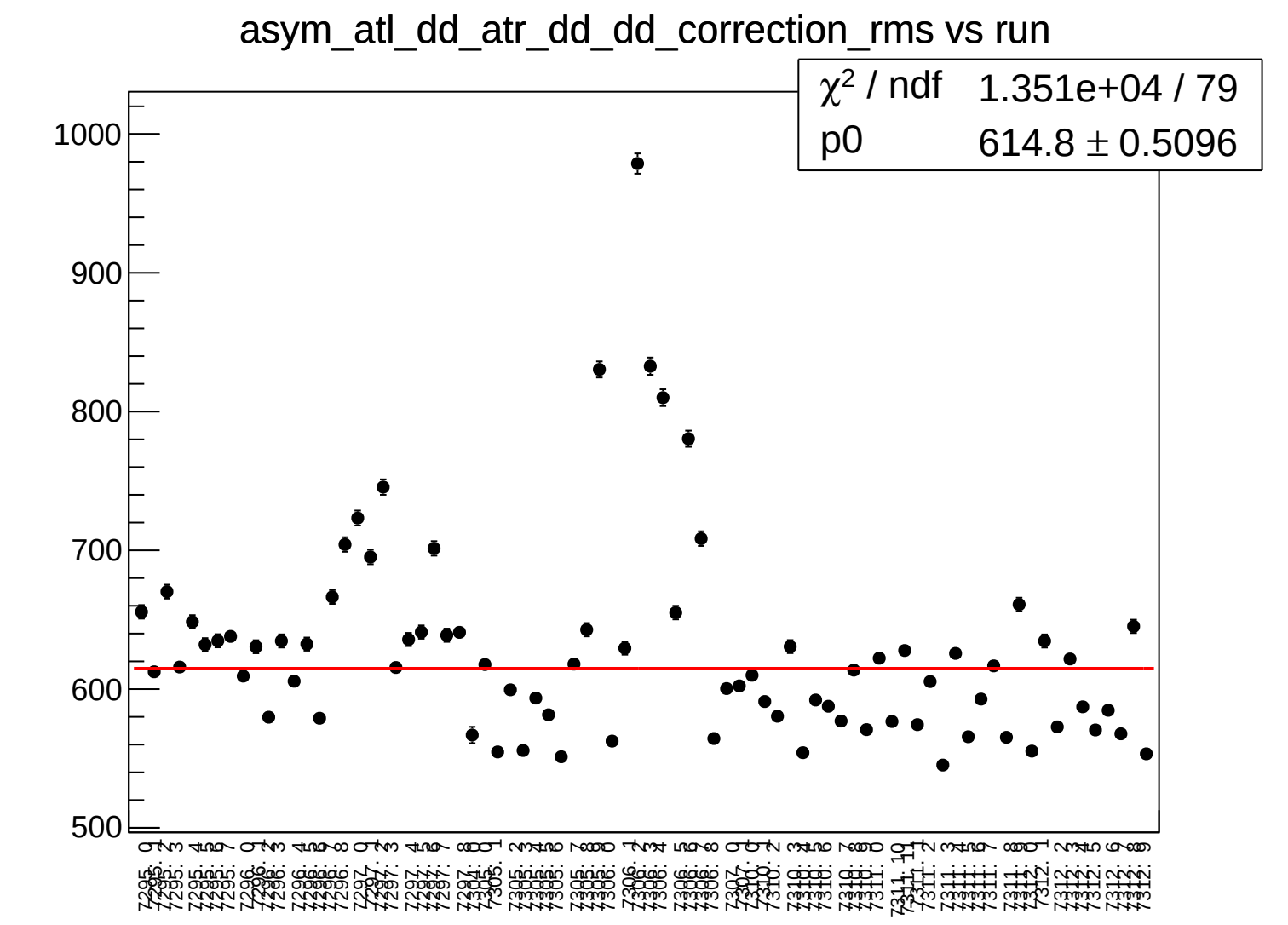

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.21 / 79
p0 −618 ± 1434
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 165.3
Std Dev 102
2
1
0
−1
−2

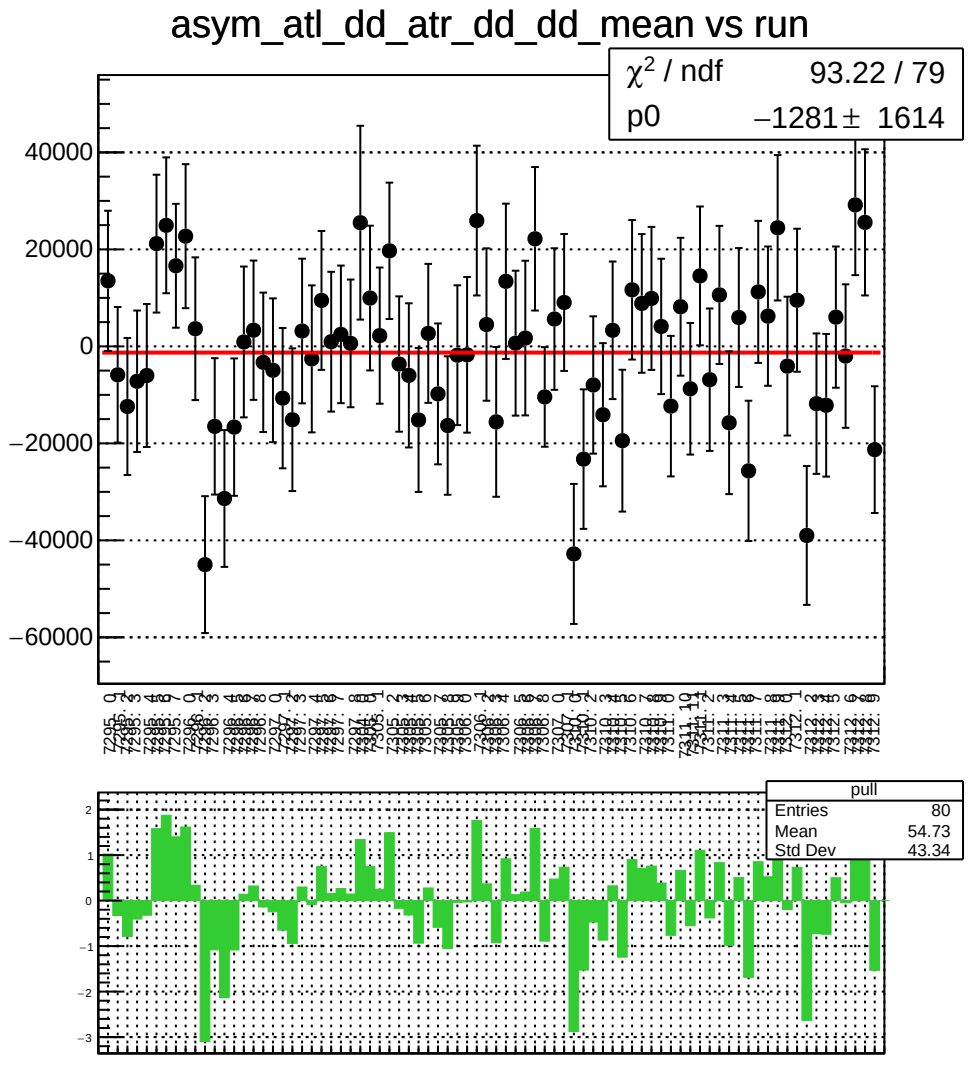

pull1D
Entries 80
Mean 0.0112
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

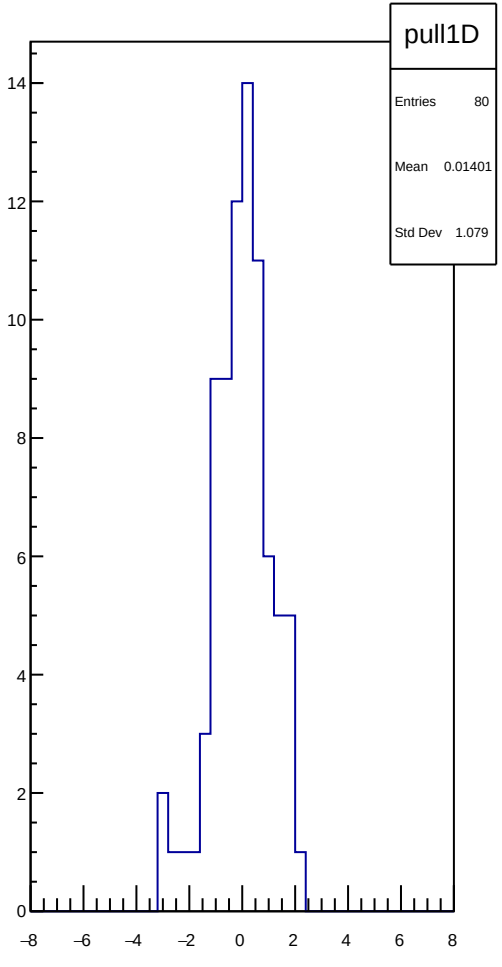

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1284 / 79
p0 1229 ± 1.014
1450
1400
1350
1300
1250
1200

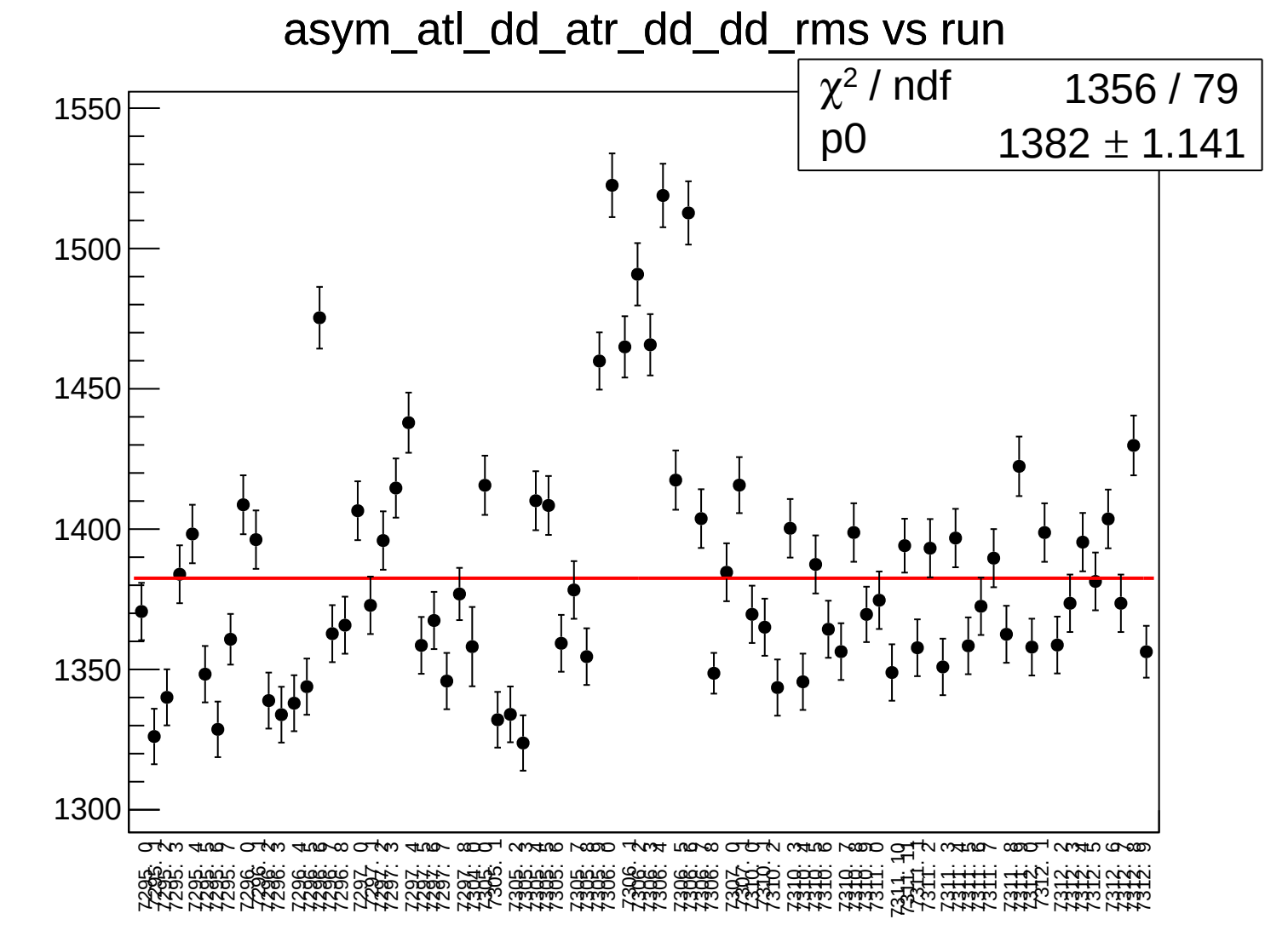

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 84.89 / 79
p0 734.6 ± 720.7
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −120.6
Std Dev 170.5
3
2
1
0
−1
−2

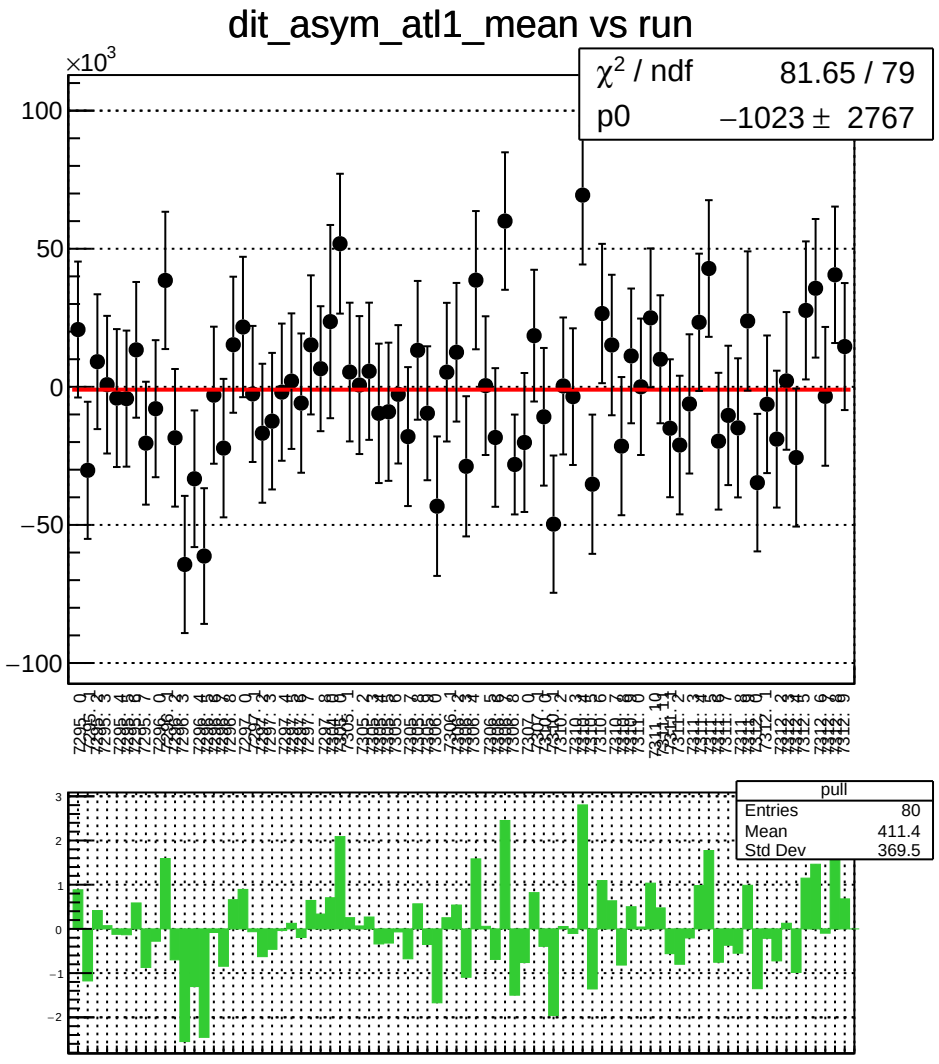

pull1D
Entries 80
Mean −0.01368
Std Dev 1.03
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

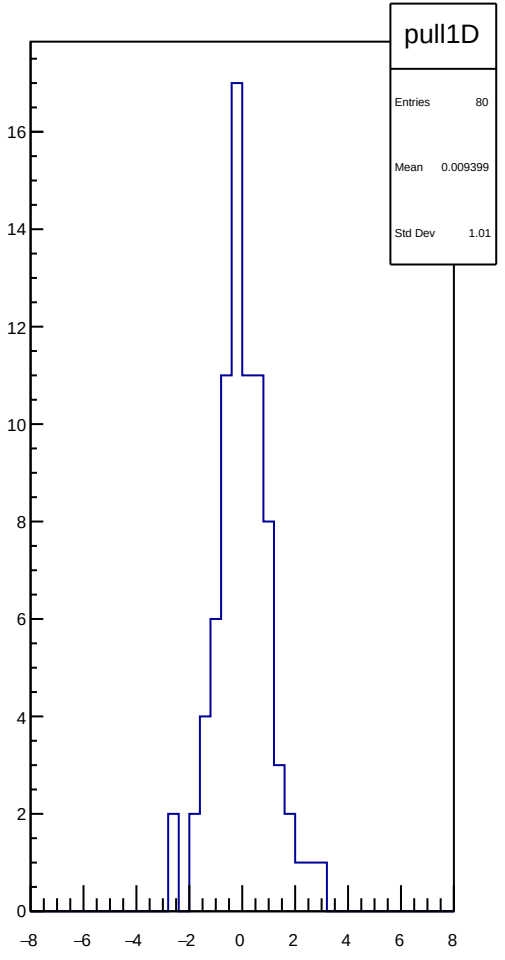

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.351e+04 / 79
p0 614.8 ± 0.5096
1000
900
800
700
600
500

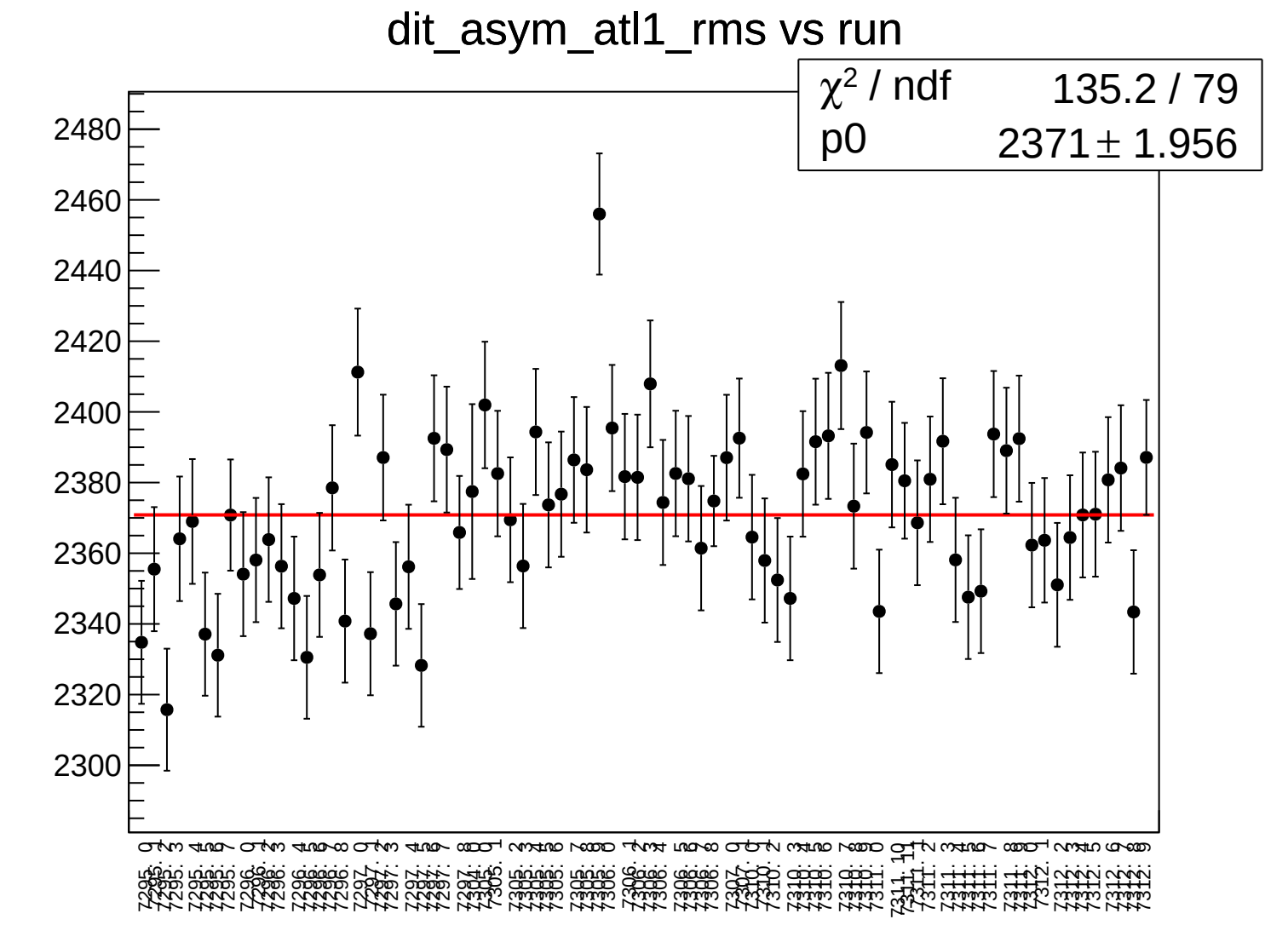

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.22 / 79
p0 −1281 ± 1614
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 54.73
Std Dev 43.34
2
1
0
−1
−2
−3

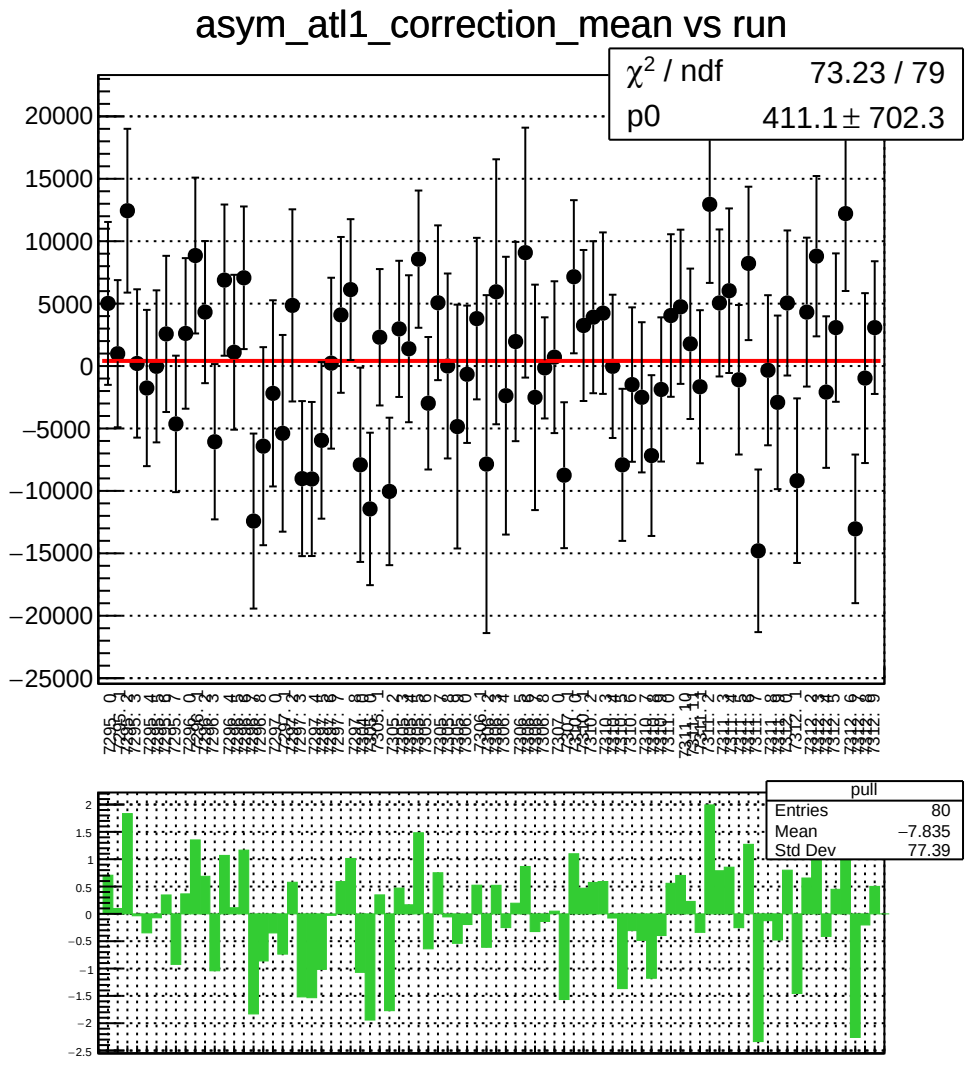

pull1D
Entries 80
Mean 0.01401
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

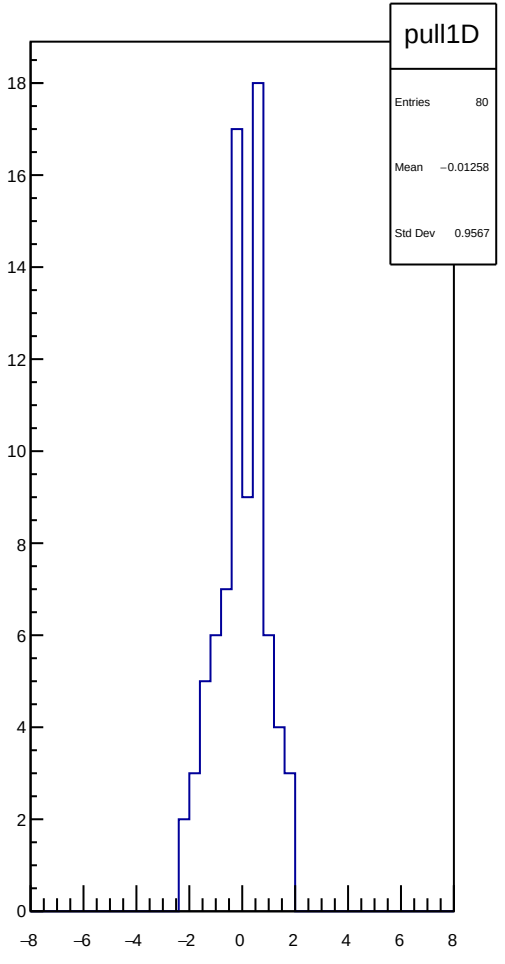

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1356 / 79
p0 1382 ± 1.141
1550
1500
1450
1400
1350
1300

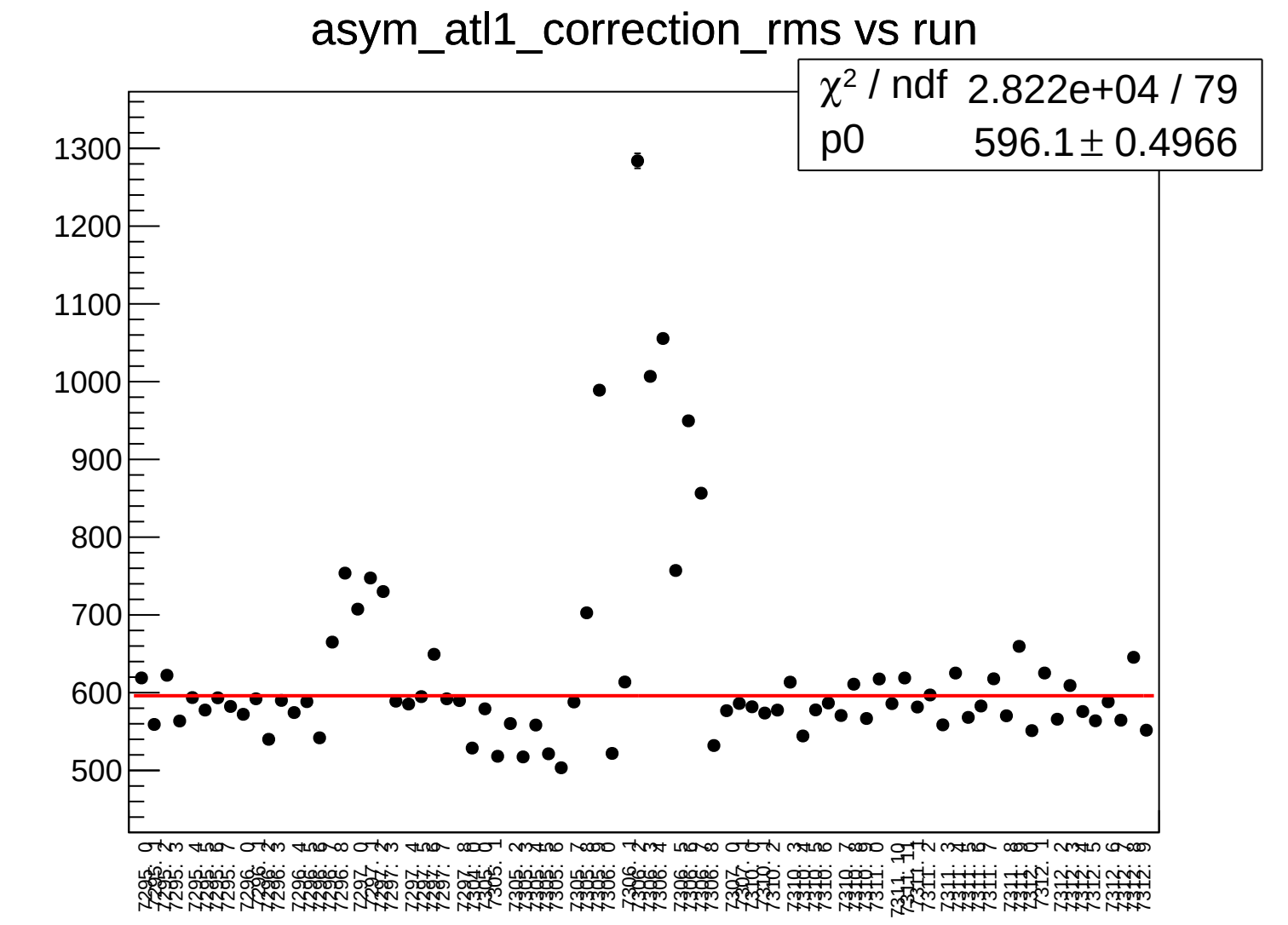

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 81.65 / 79
p0 −1023 ± 2767
100
50
0
−50
−100
pull
Entries 80
Mean 411.4
Std Dev 369.5
3
2
1
0
−1
−2

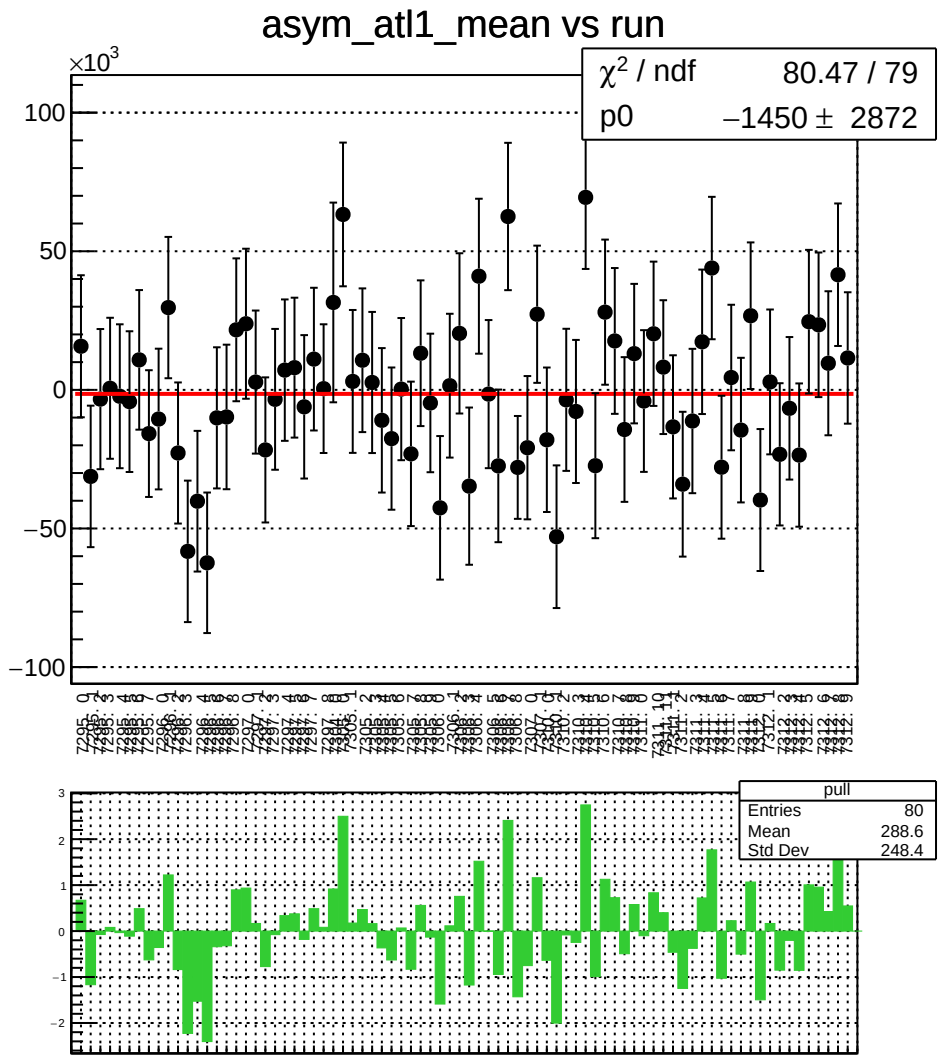

pull1D
Entries 80
Mean 0.009399
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

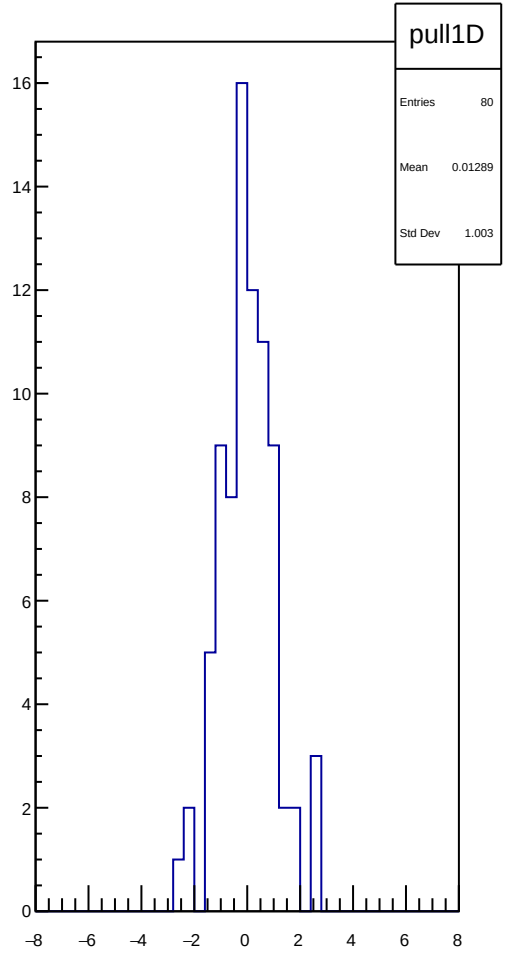

dit_asym_atl1_rms vs run
χ² / ndf 135.2 / 79
p0 2371 ± 1.956
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300

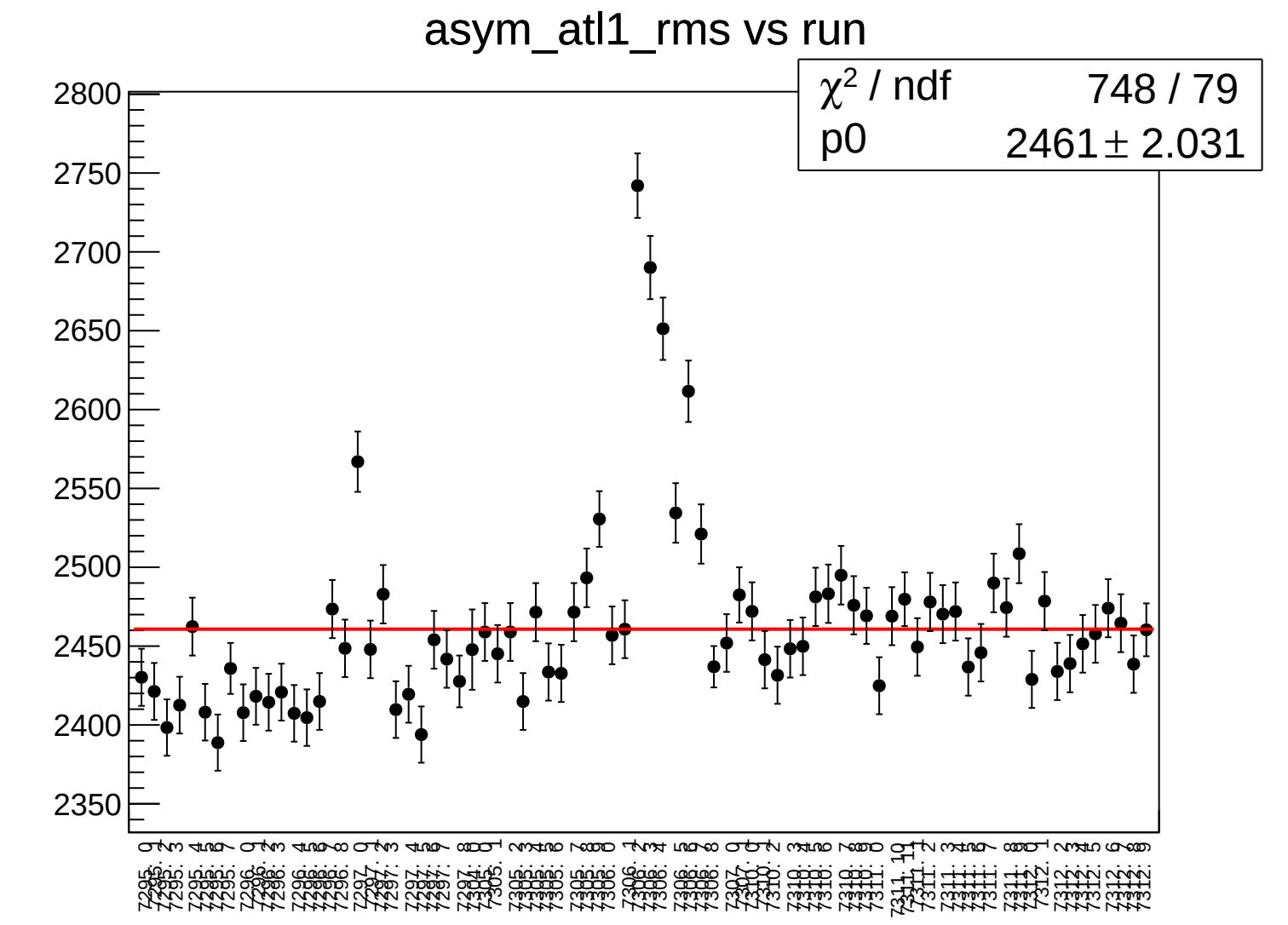

asym_atl1_correction_mean vs run
χ² / ndf 73.23 / 79
p0 411.1 ± 702.3
pull
Entries 80
Mean −7.835
Std Dev 77.39

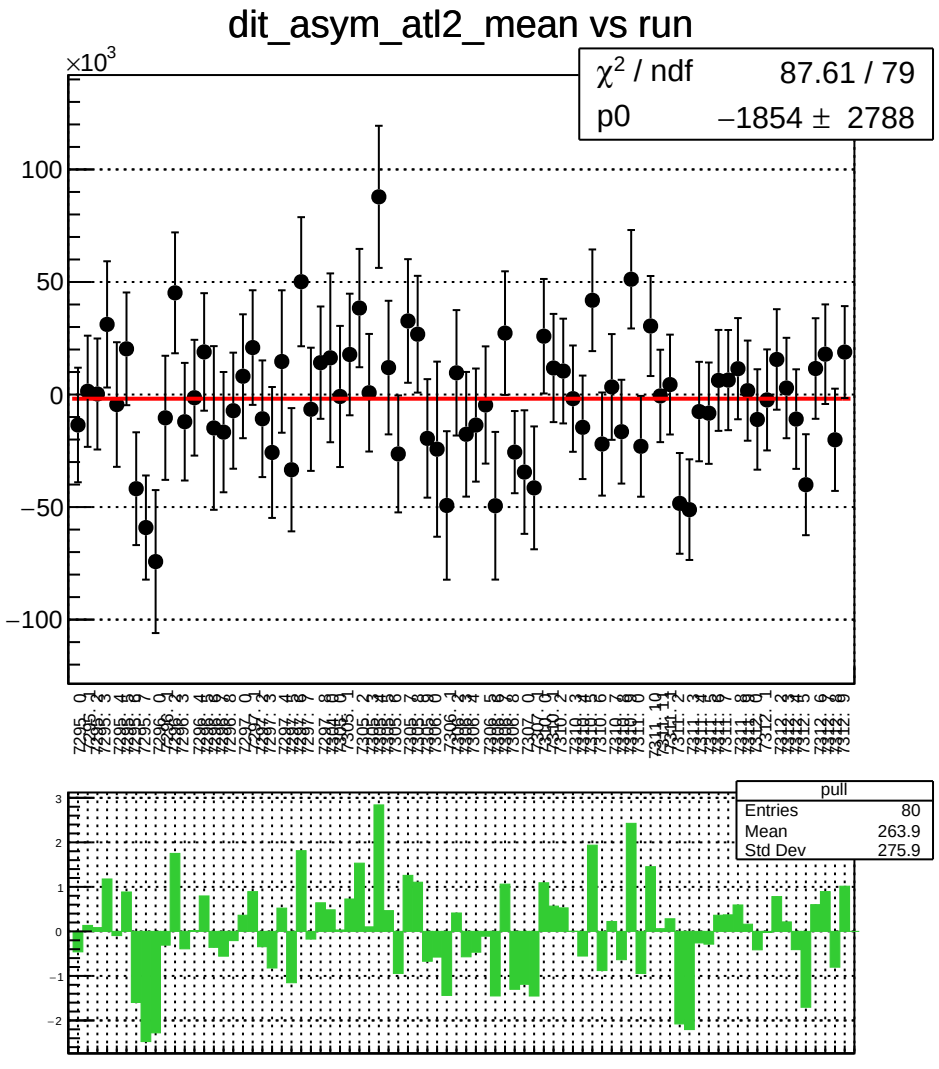

pull1D
Entries 80
Mean −0.01258
Std Dev 0.9567

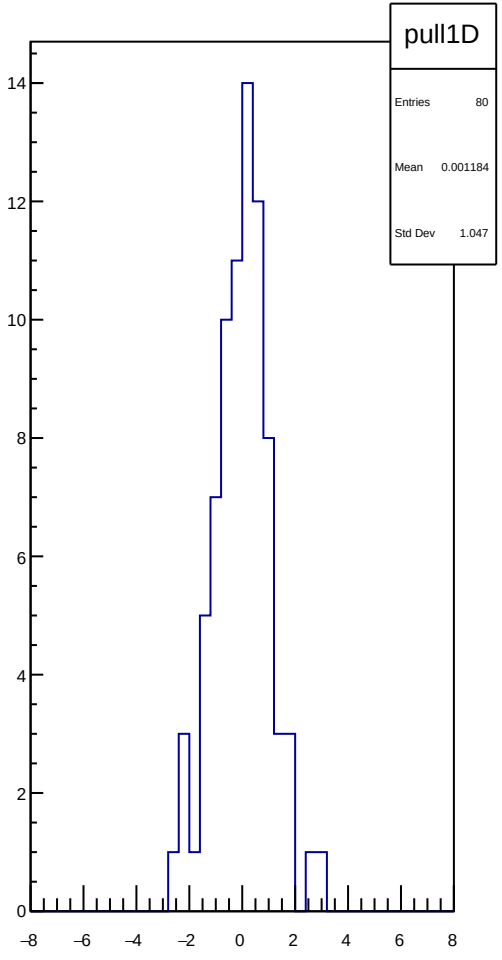

asym_atl1_correction_rms vs run
χ² / ndf 2.822e+04 / 79
p0 596.1 ± 0.4966
1300
1200
1100
1000
900
800
700
600
500

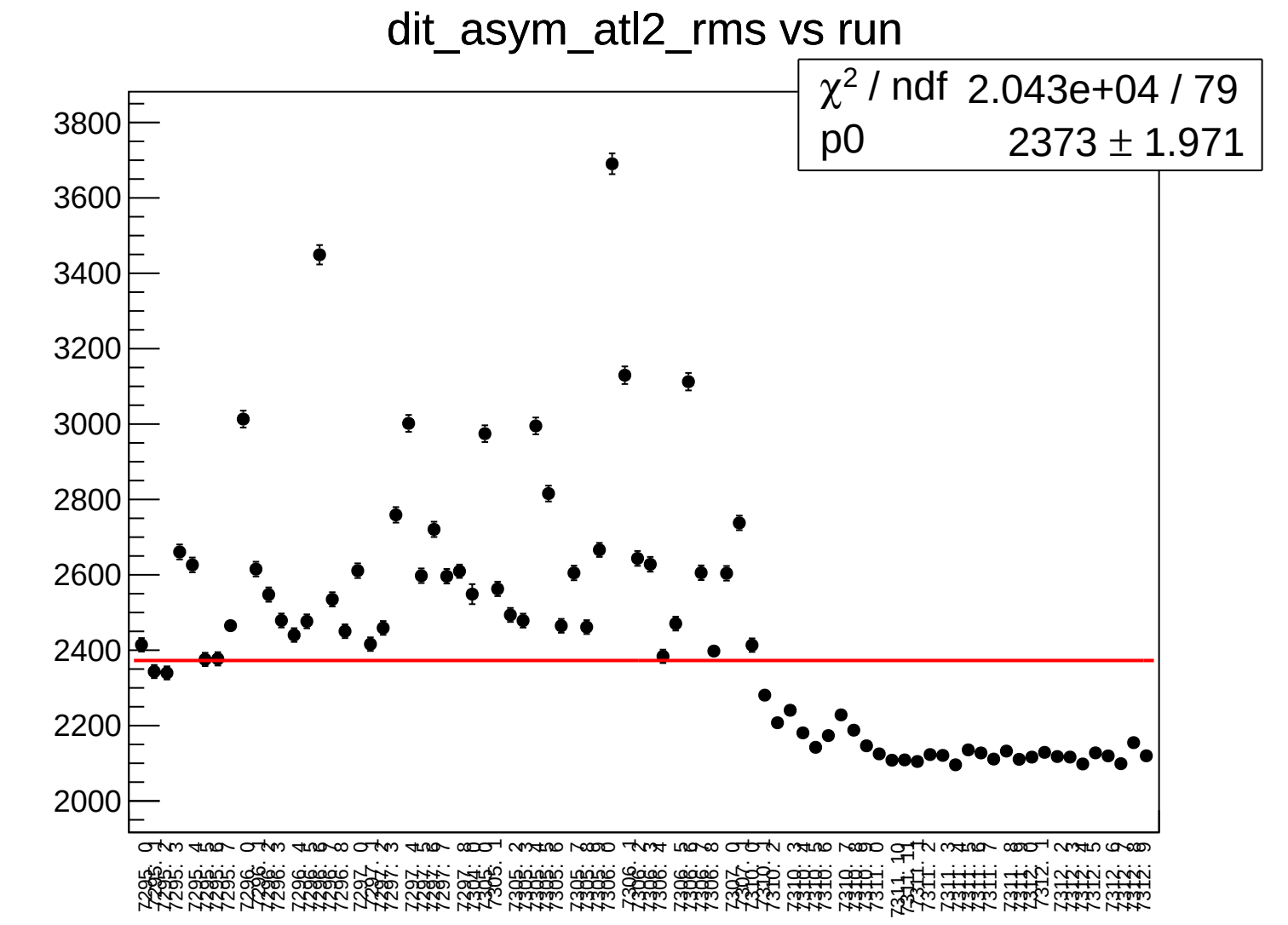

asym_atl1_mean vs run
×10^3
χ² / ndf 80.47 / 79
p0 −1450 ± 2872
100
50
0
−50
−100
pull
Entries 80
Mean 288.6
Std Dev 248.4
3
2
1
0
−1
−2

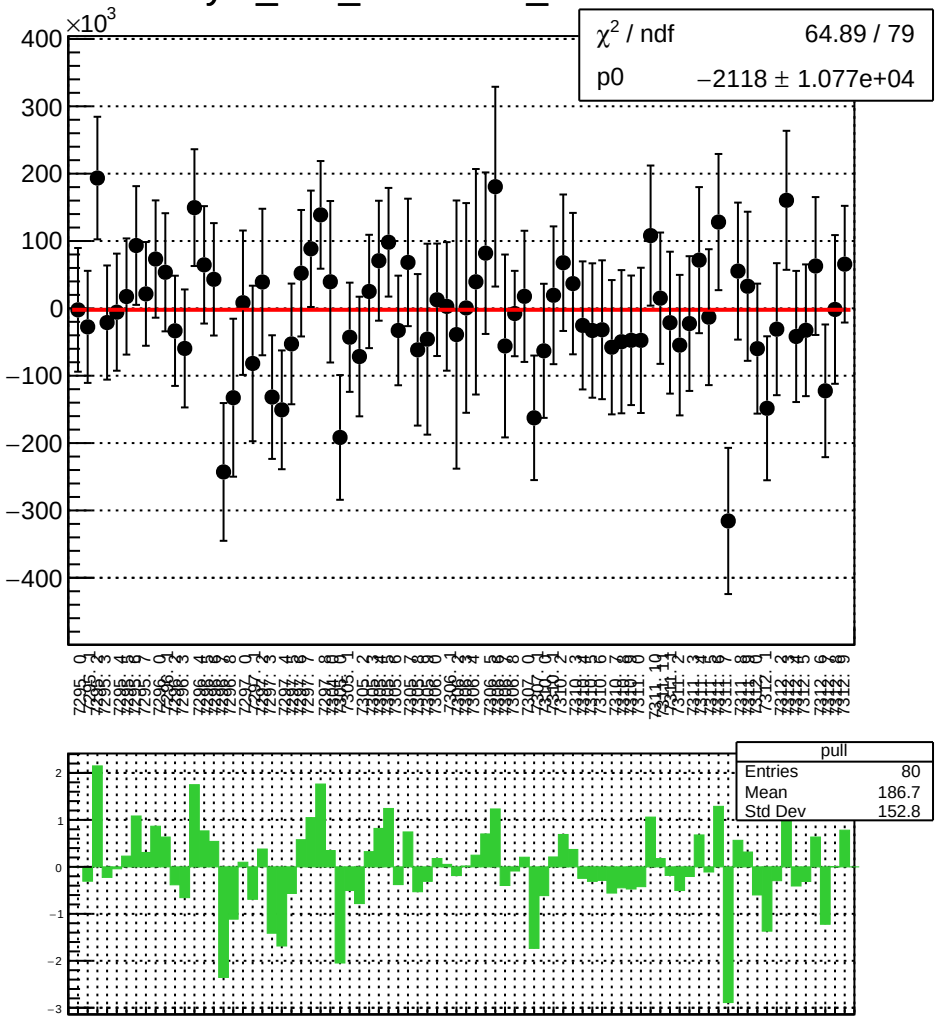

pull1D
Entries 80
Mean 0.01289
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

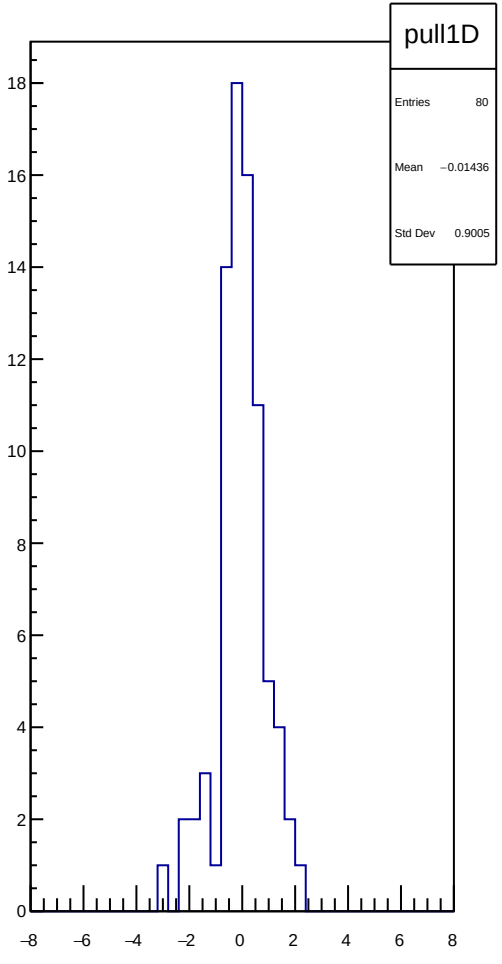

asym_atl1_rms vs run
χ² / ndf 748 / 79
p0 2461 ± 2.031
2800
2750
2700
2650
2600
2550
2500
2450
2400
2350

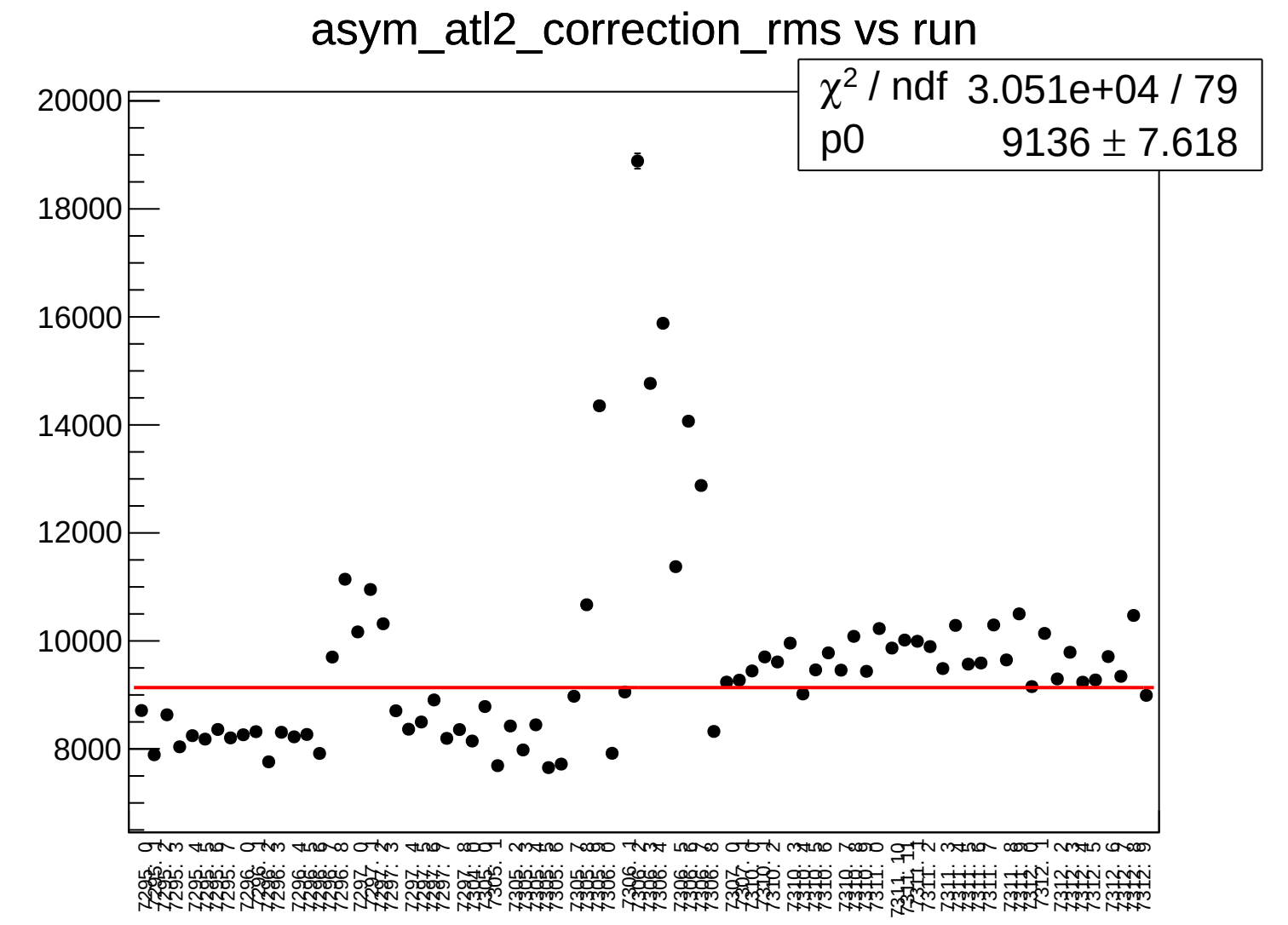

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 87.61 / 79
p0 −1854 ± 2788
100
50
0
−50
−100
pull
Entries 80
Mean 263.9
Std Dev 275.9
3
2
1
0
−1
−2

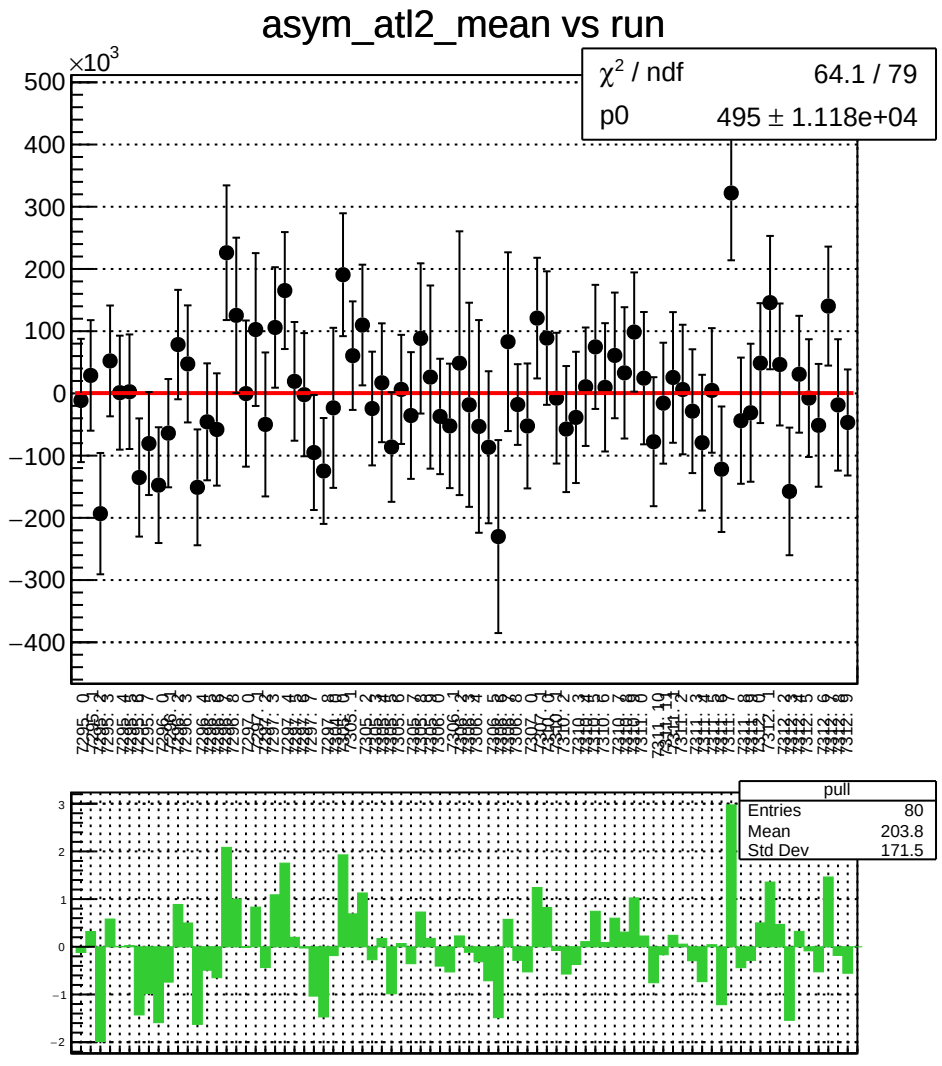

pull1D
Entries 80
Mean 0.001184
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

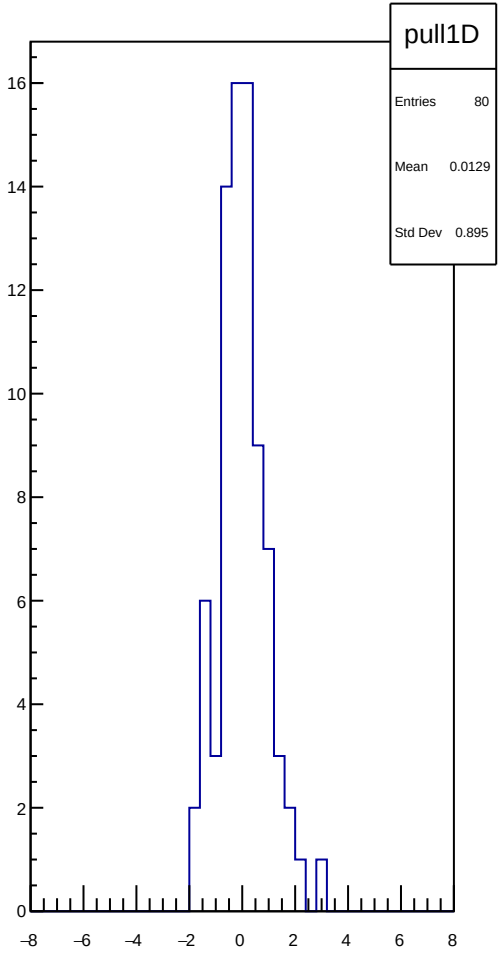

dit_asym_atl2_rms vs run
χ² / ndf 2.043e+04 / 79
p0 2373 ± 1.971
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

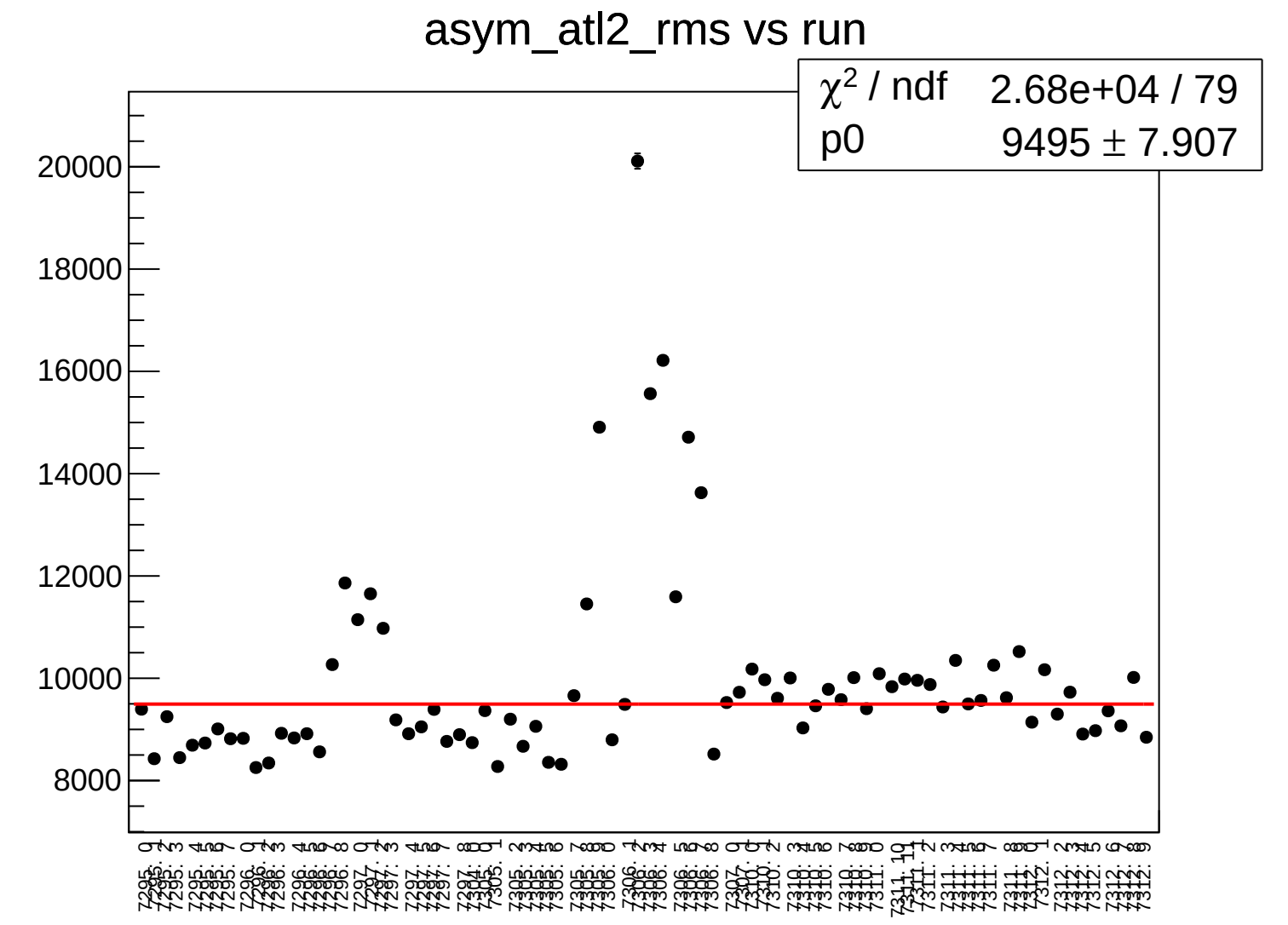

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 64.89 / 79
p0 −2118 ± 1.077e+04
pull
Entries 80
Mean 186.7
Std Dev 152.8

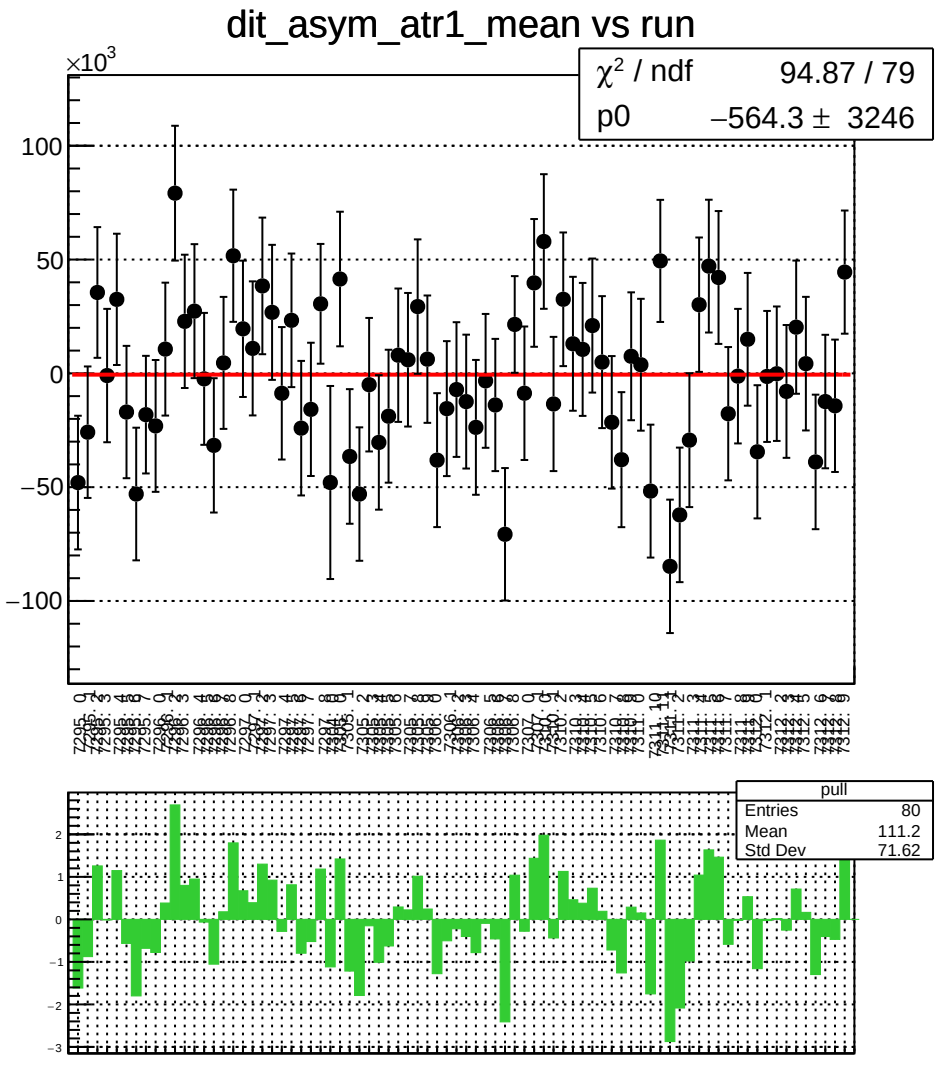

pull1D
Entries 80
Mean −0.01436
Std Dev 0.9005

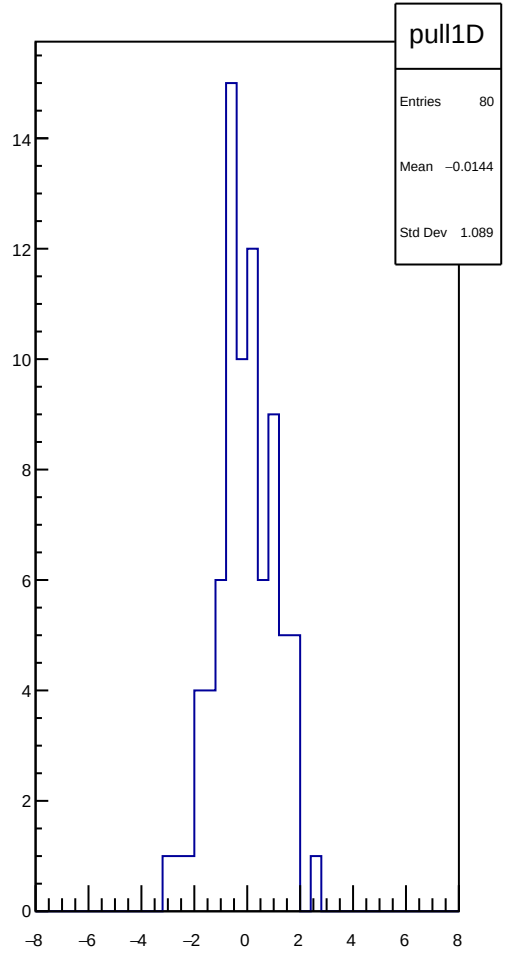

asym_atl2_correction_rms vs run
χ² / ndf 3.051e+04 / 79
p0 9136 ± 7.618
20000
18000
16000
14000
12000
10000
8000

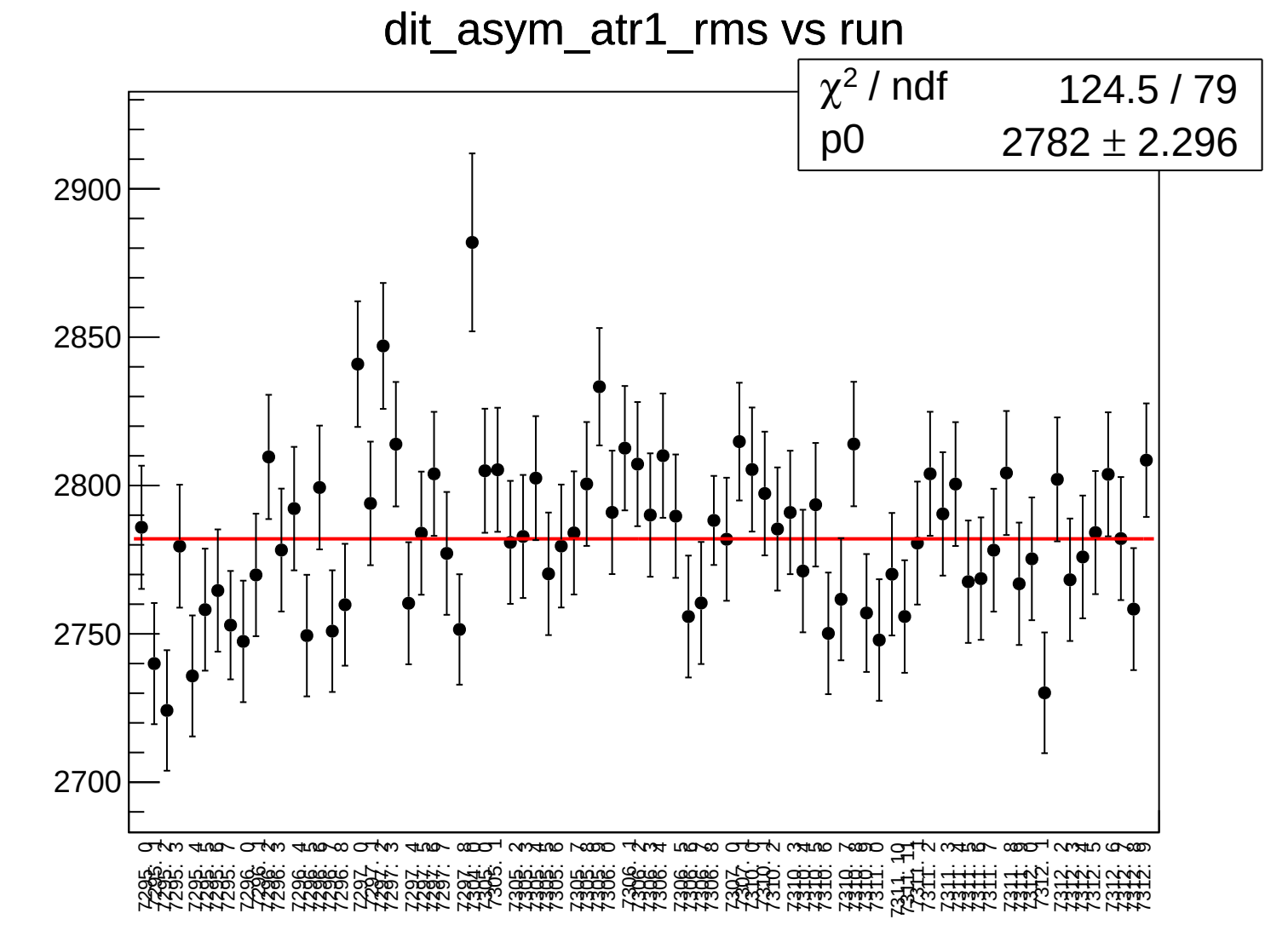

asym_atl2_mean vs run
×10^3
χ² / ndf 64.1 / 79
p0 495 ± 1.118e+04
pull
Entries 80
Mean 203.8
Std Dev 171.5

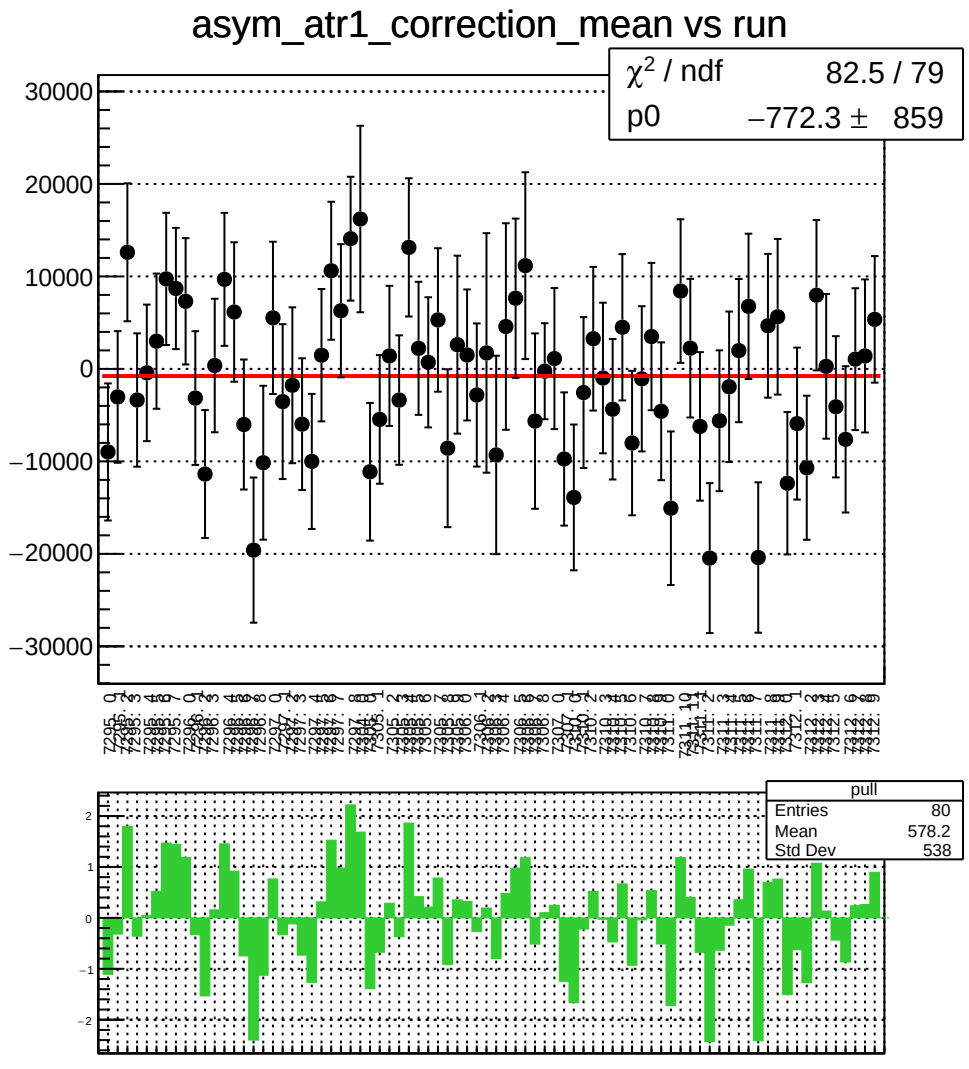

pull1D
Entries 80
Mean 0.0129
Std Dev 0.895

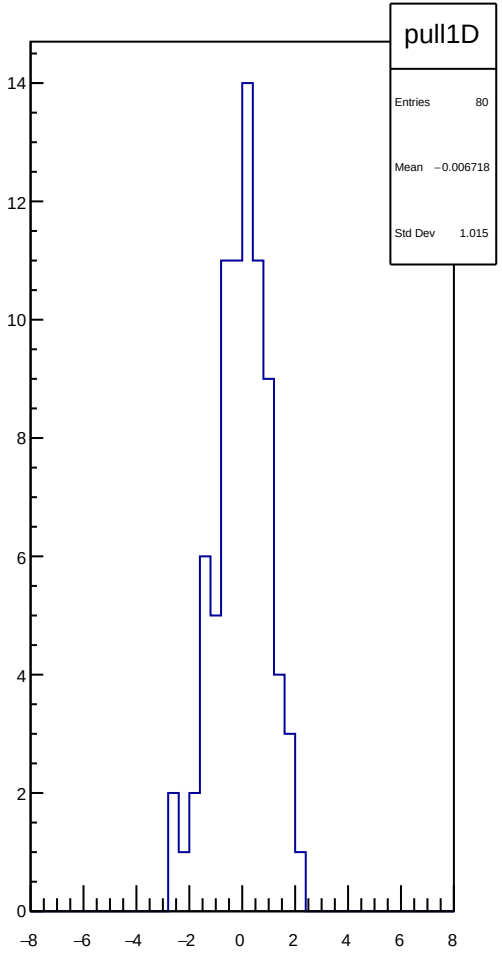

asym_atl2_rms vs run
χ² / ndf 2.68e+04 / 79
p0 9495 ± 7.907
20000
18000
16000
14000
12000
10000
8000

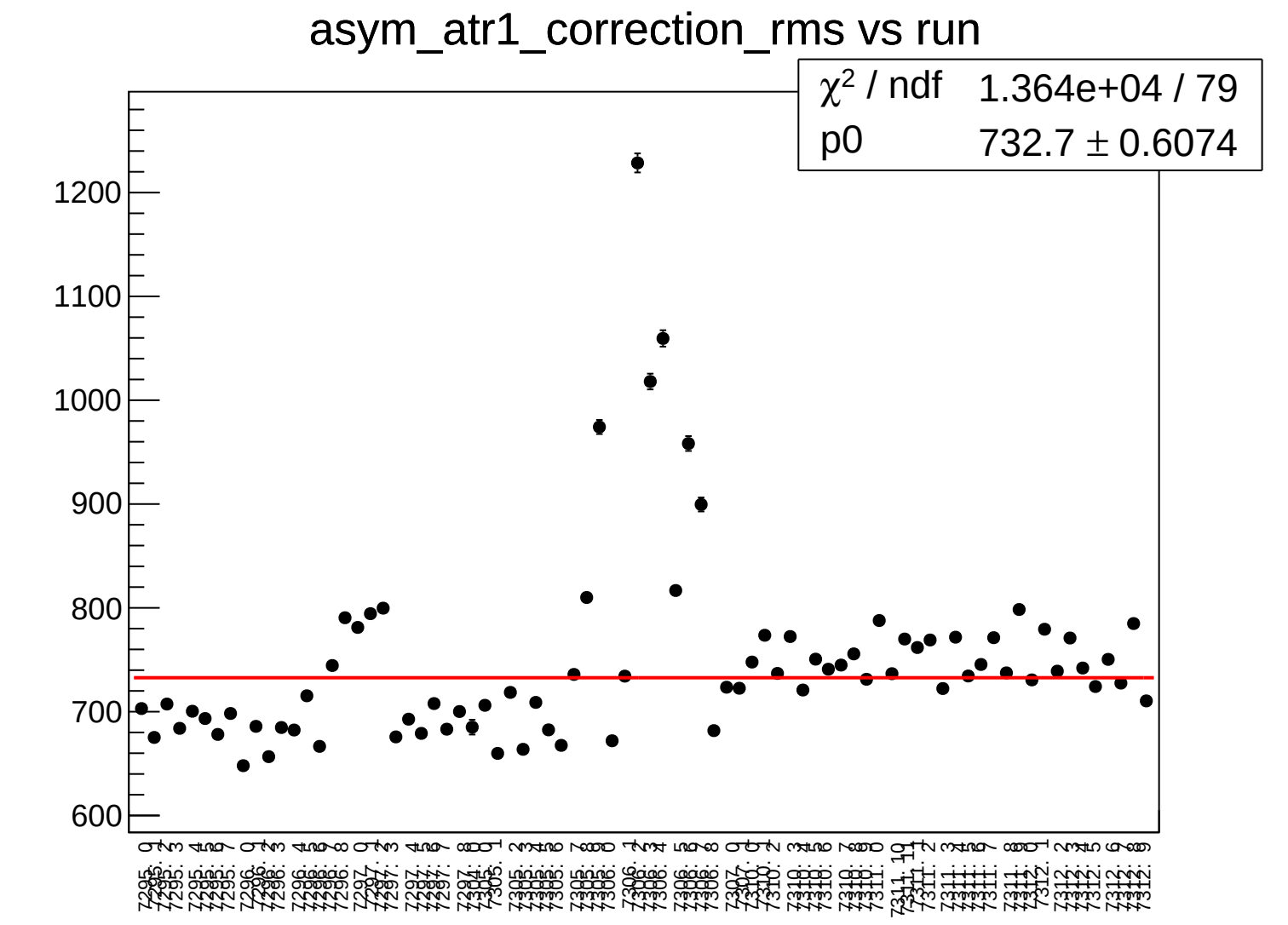

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 94.87 / 79
p0 −564.3 ± 3246
100
50
0
−50
−100
pull
Entries 80
Mean 111.2
Std Dev 71.62
2
1
0
−1
−2
−3

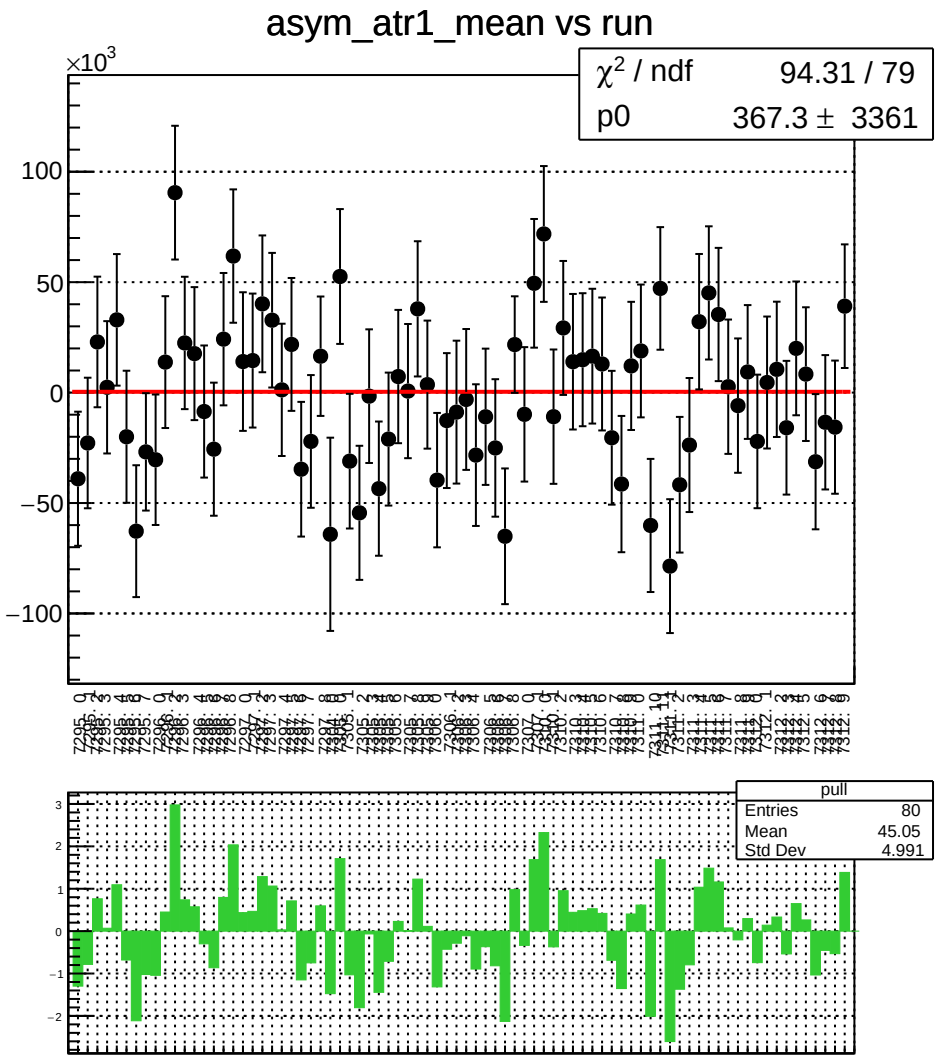

pull1D
Entries 80
Mean −0.0144
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

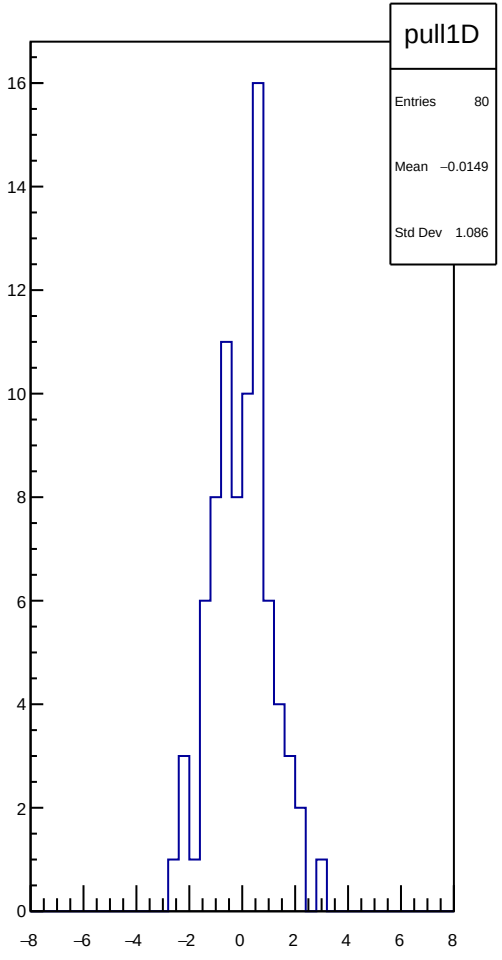

dit_asym_atr1_rms vs run
χ² / ndf 124.5 / 79
p0 2782 ± 2.296
2900
2850
2800
2750
2700

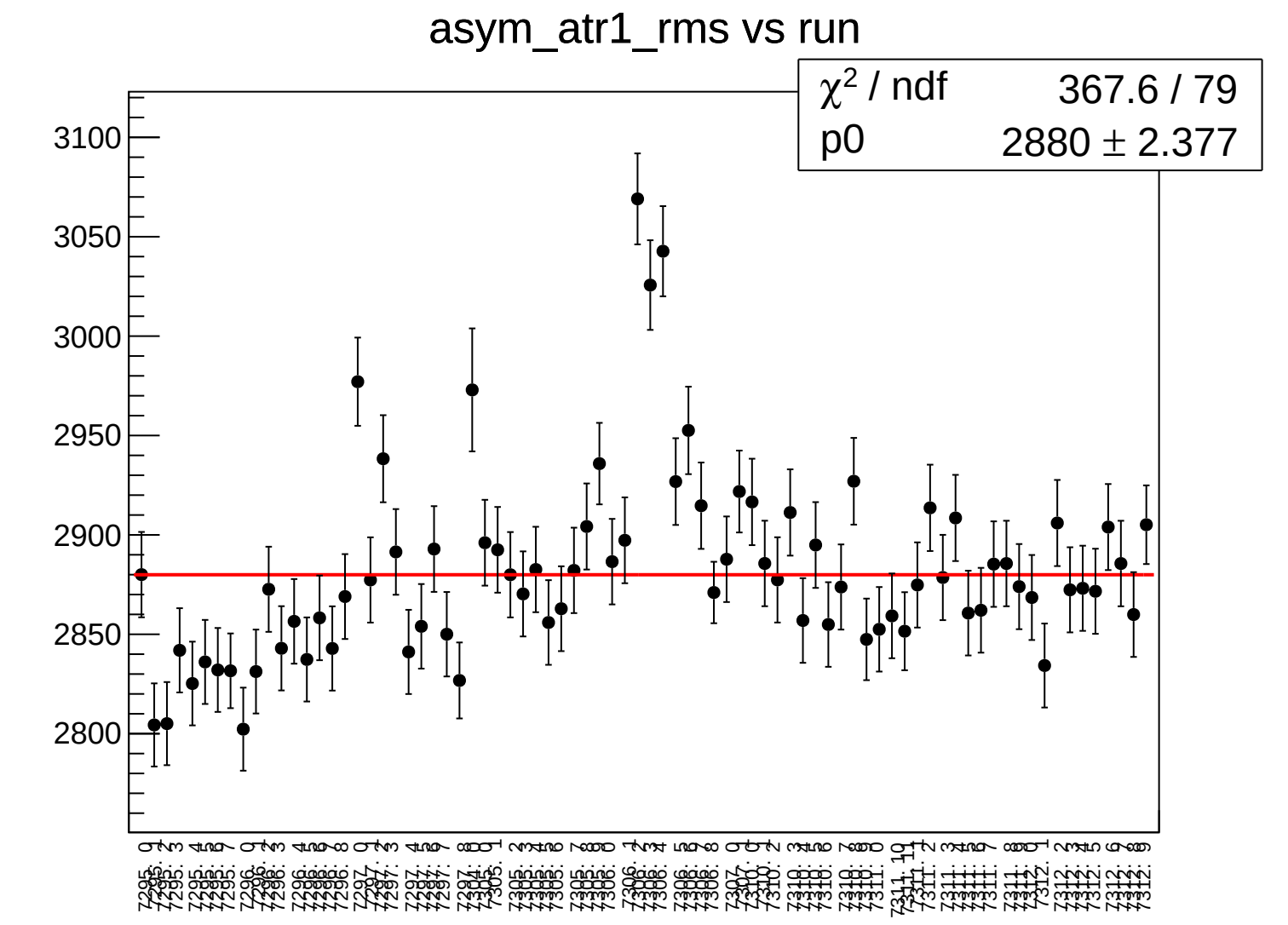

asym_atr1_correction_mean vs run
χ² / ndf 82.5 / 79
p0 −772.3 ± 859
pull
Entries 80
Mean 578.2
Std Dev 538

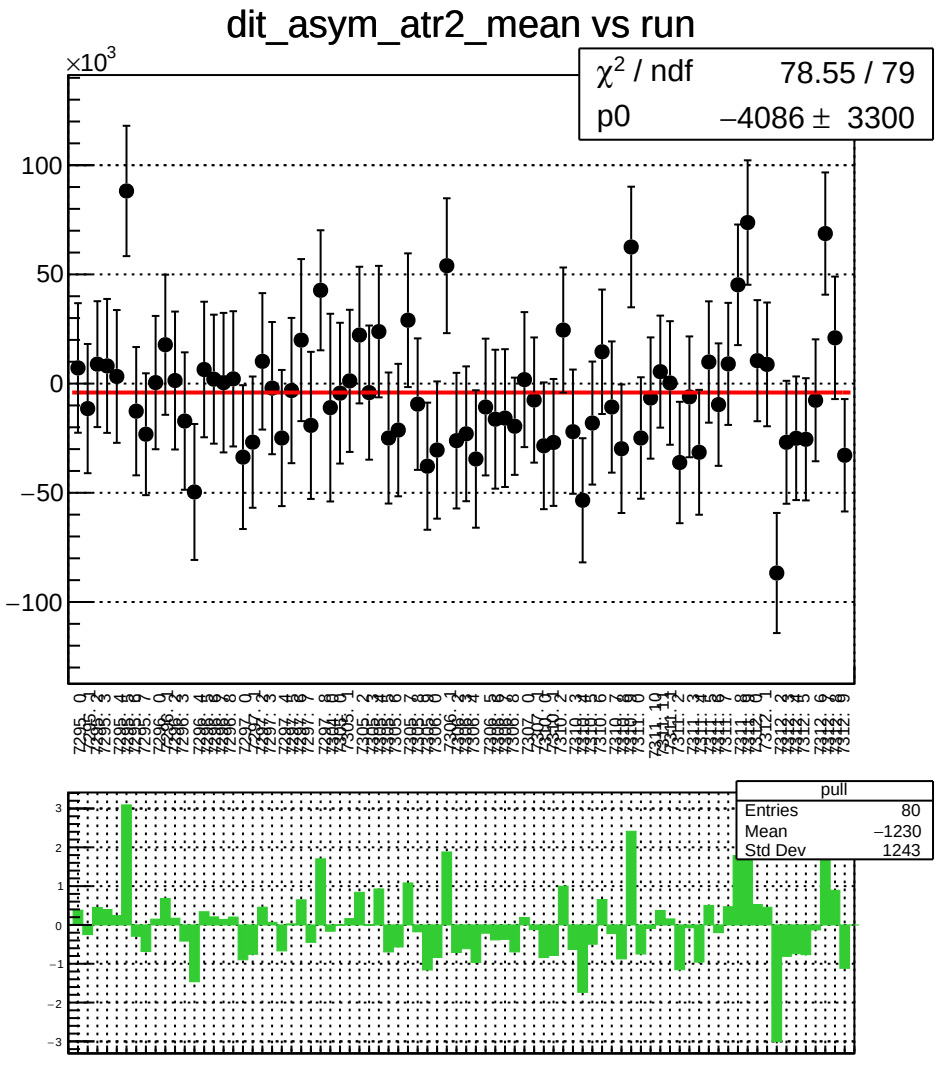

pull1D
Entries 80
Mean −0.006718
Std Dev 1.015

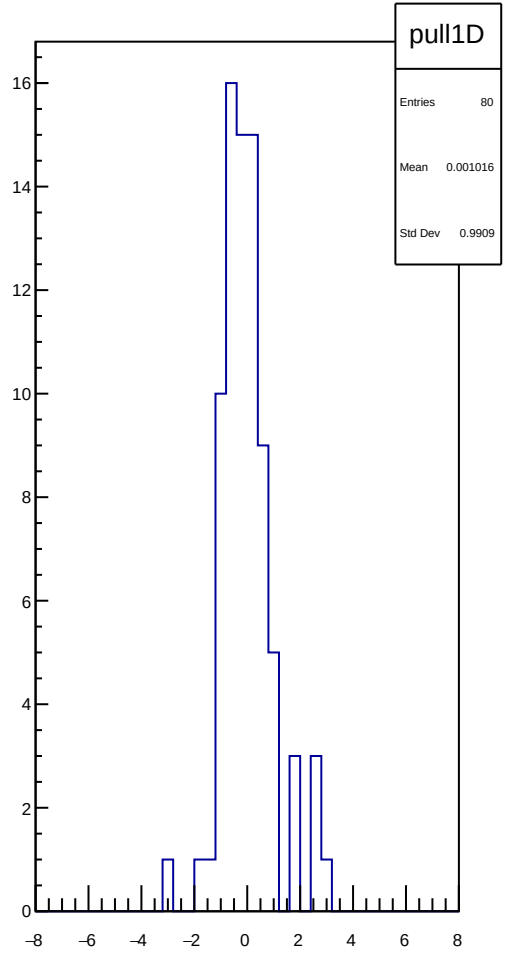

asym_atr1_correction_rms vs run
χ² / ndf 1.364e+04 / 79
p0 732.7 ± 0.6074
1200
1100
1000
900
800
700
600

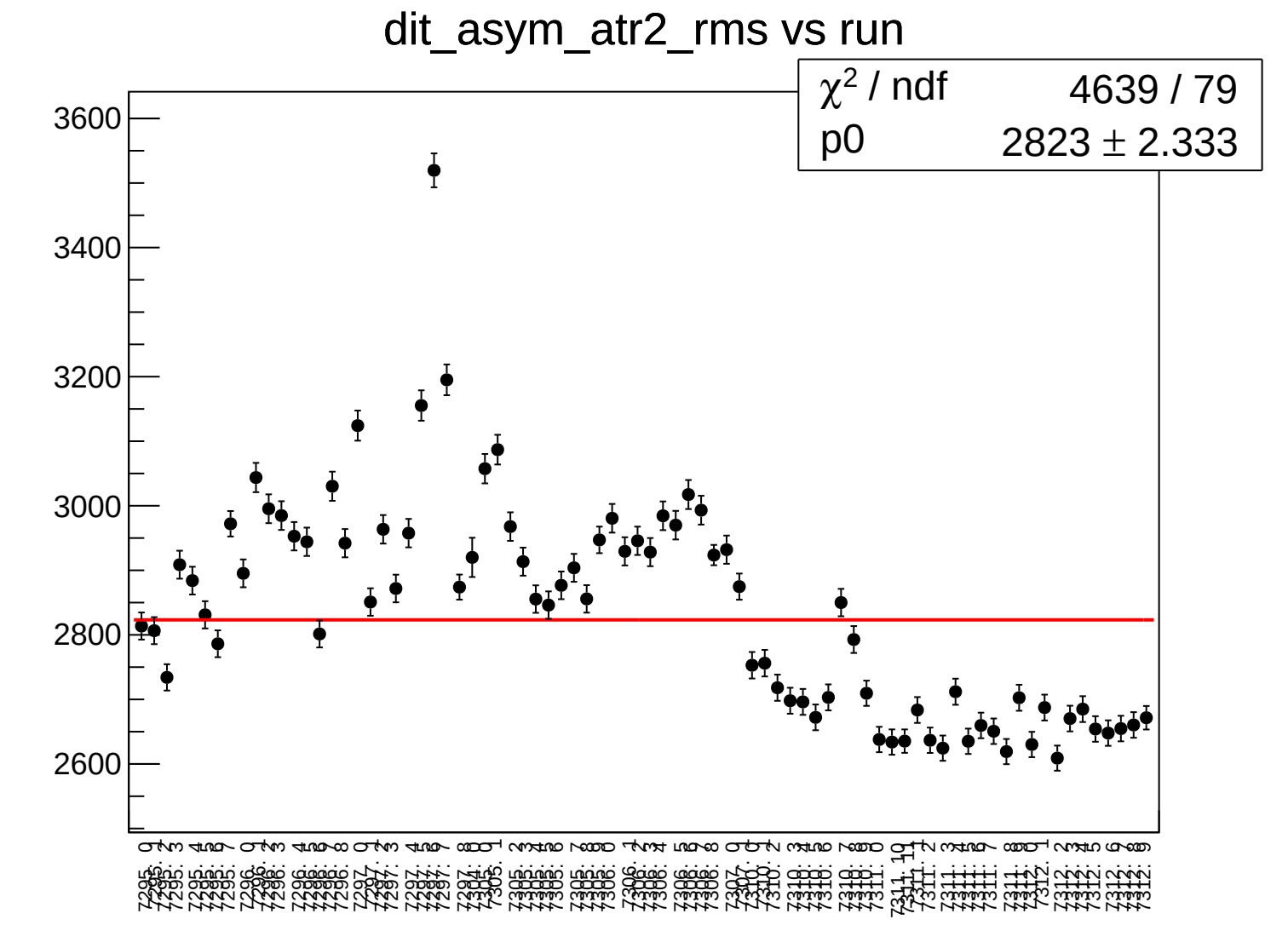

asym_atr1_mean vs run
×10^3
χ^2 / ndf 94.31 / 79
p0 367.3 ± 3361
100
50
0
−50
−100
pull
Entries 80
Mean 45.05
Std Dev 4.991
3
2
1
0
−1
−2

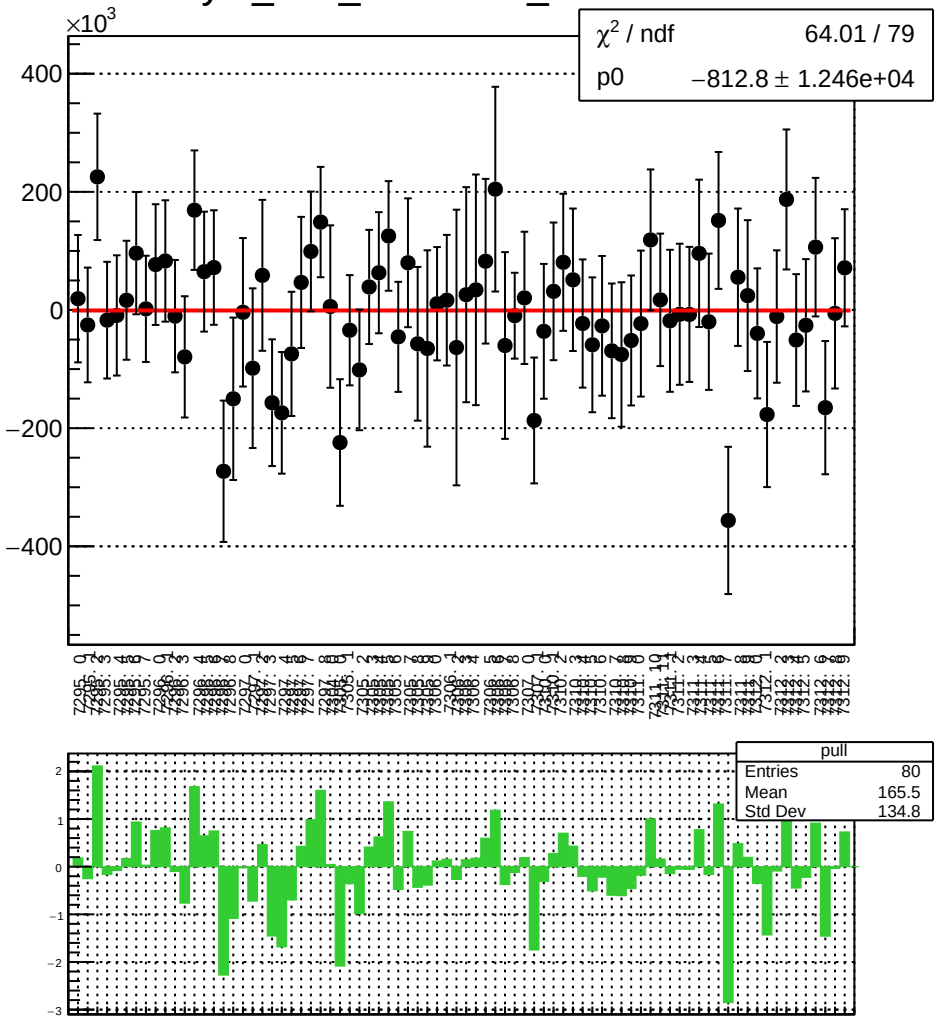

pull1D
Entries 80
Mean −0.0149
Std Dev 1.086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

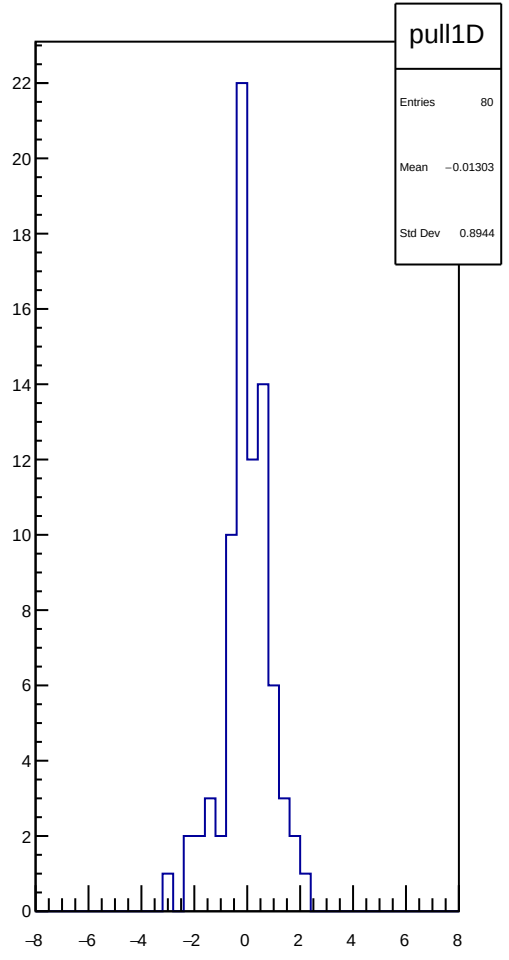

asym_atr1_rms vs run
χ^2 / ndf 367.6 / 79
p0 2880 ± 2.377
3100
3050
3000
2950
2900
2850
2800

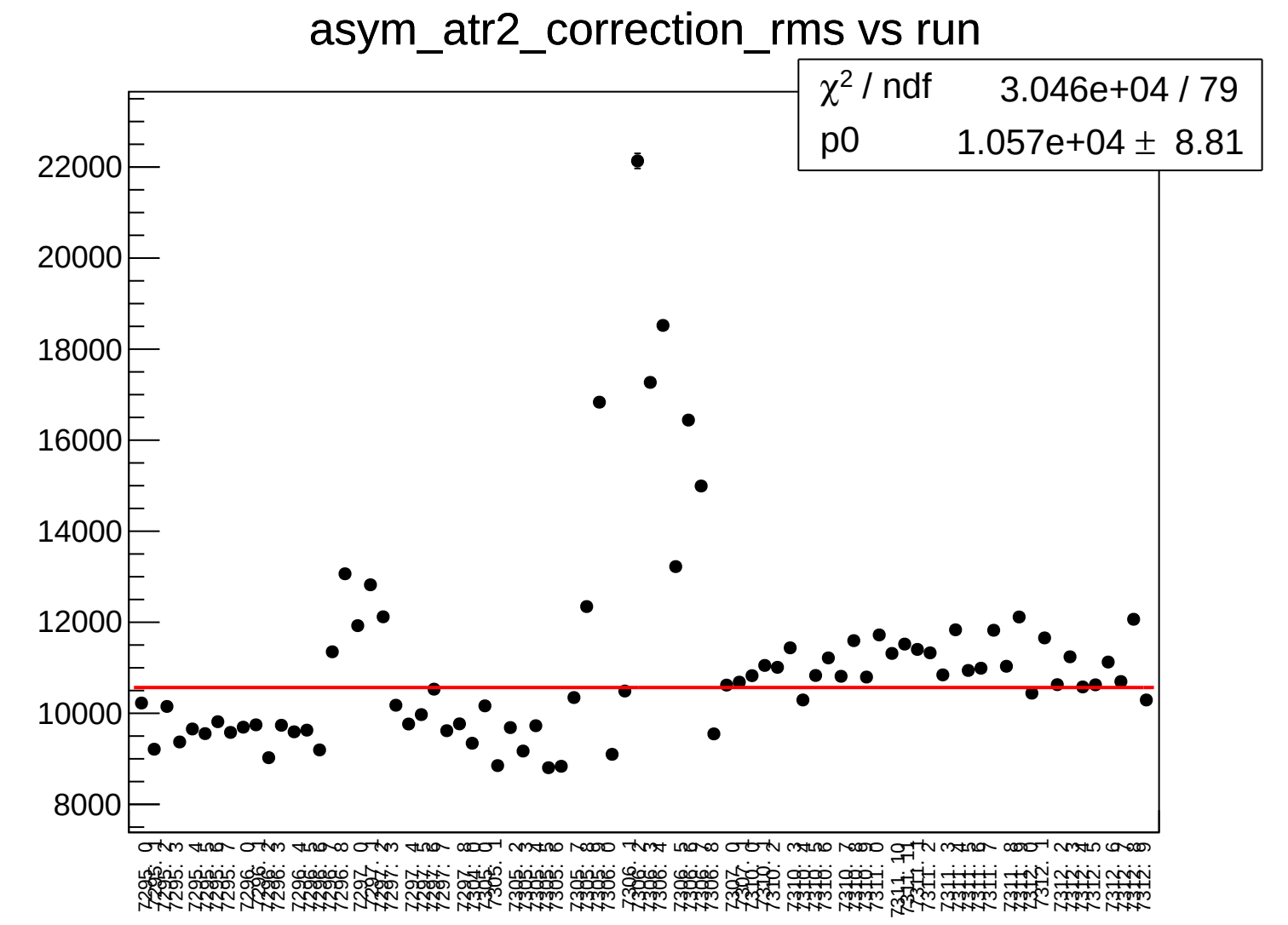

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 78.55 / 79
p0 −4086 ± 3300
100
50
0
−50
−100
pull
Entries 80
Mean −1230
Std Dev 1243
3
2
1
0
−1
−2
−3

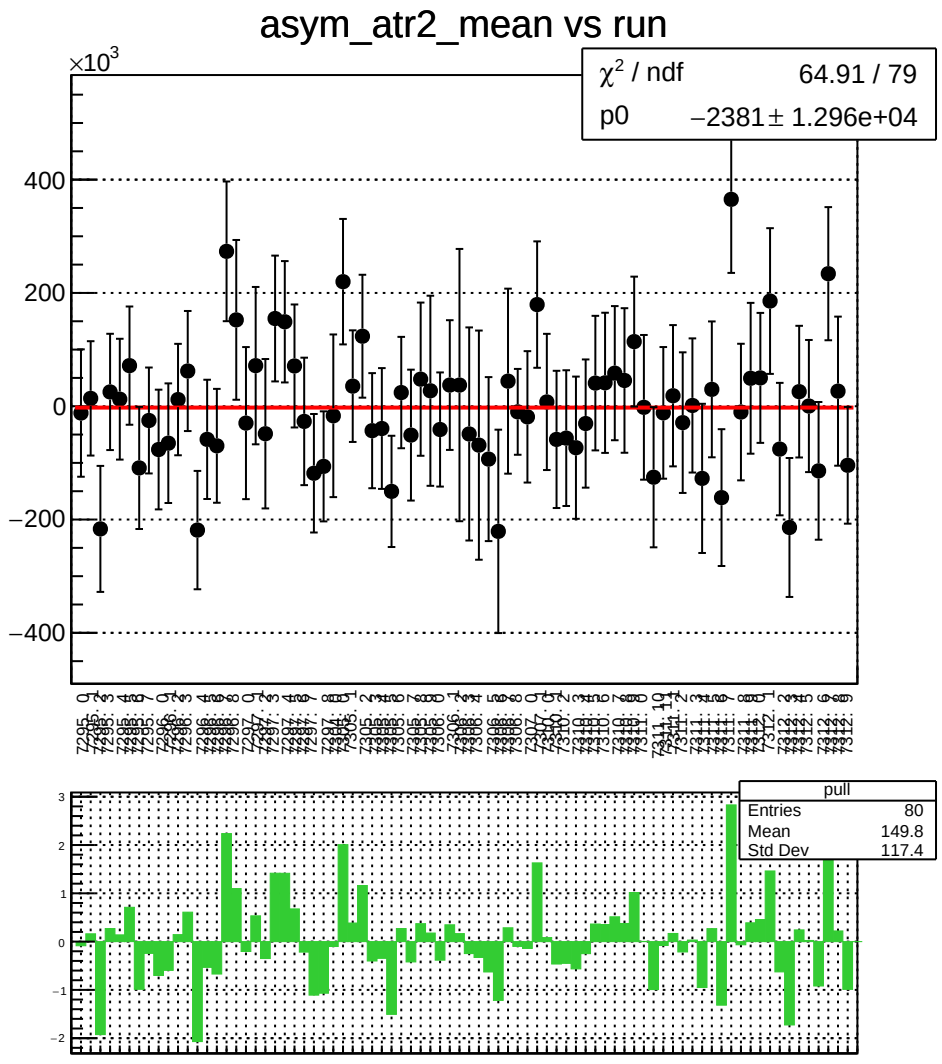

pull1D
Entries 80
Mean 0.001016
Std Dev 0.9909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

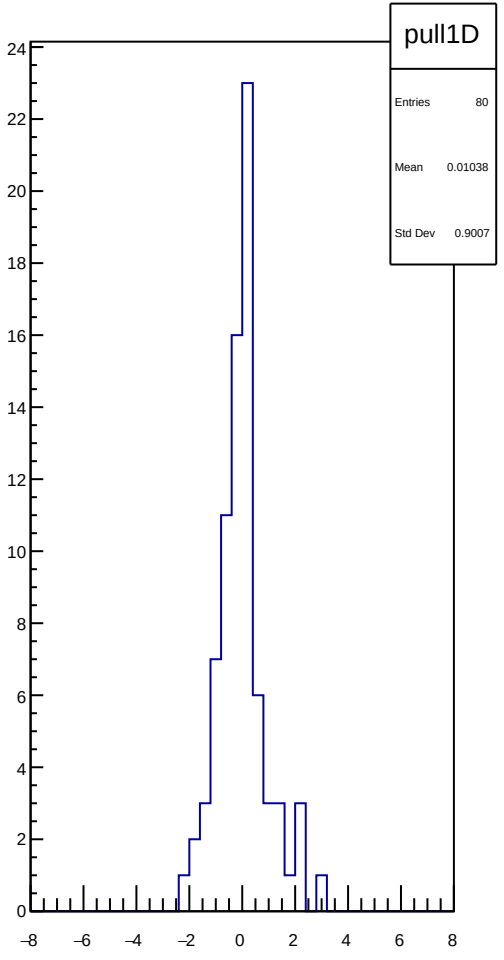

dit_asym_atr2_rms vs run
χ² / ndf 4639 / 79
p0 2823 ± 2.333
3600
3400
3200
3000
2800
2600

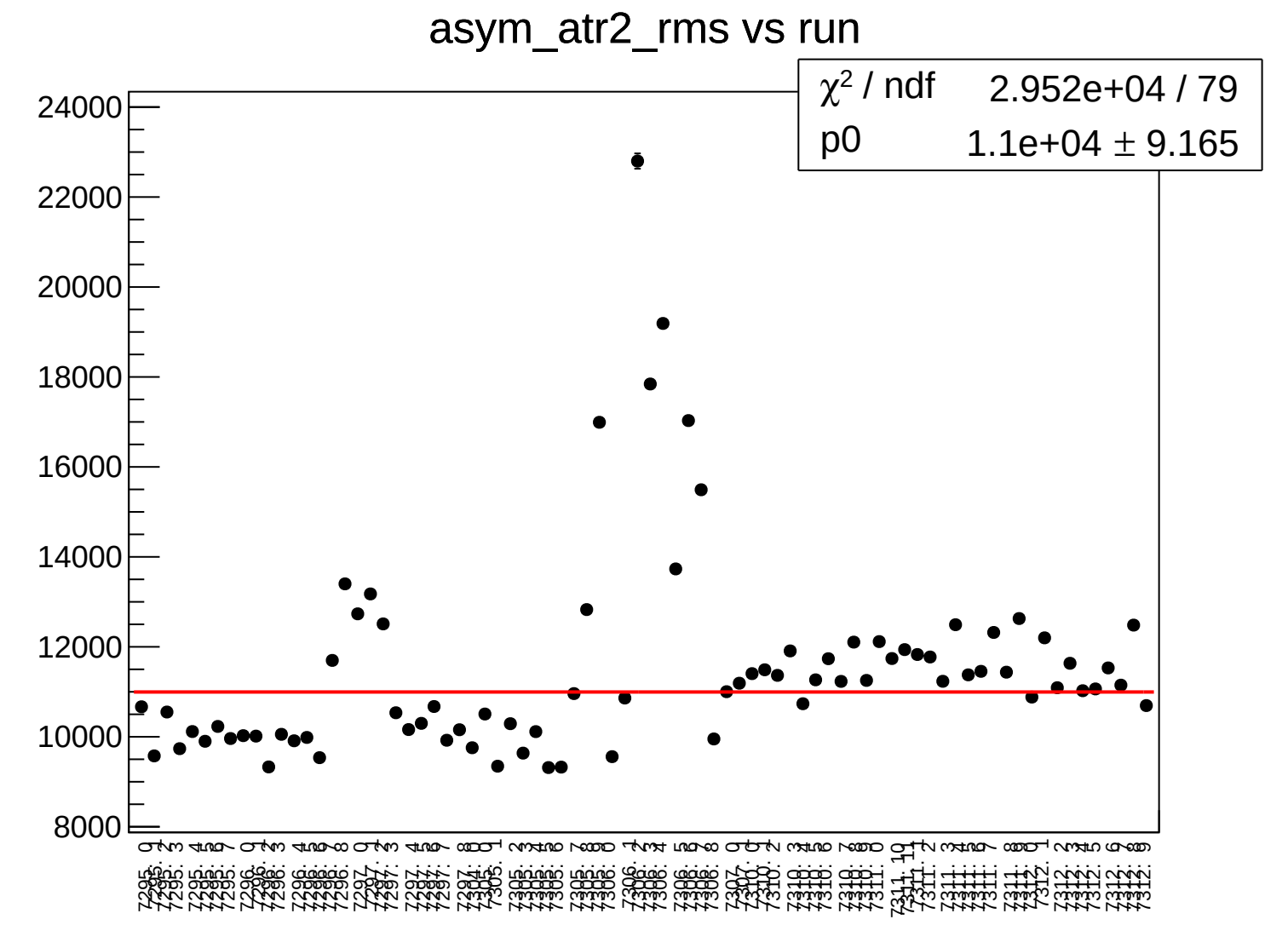

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 64.01 / 79
p0 −812.8 ± 1.246e+04
400
200
0
−200
−400
pull
Entries 80
Mean 165.5
Std Dev 134.8
2
1
0
−1
−2
−3

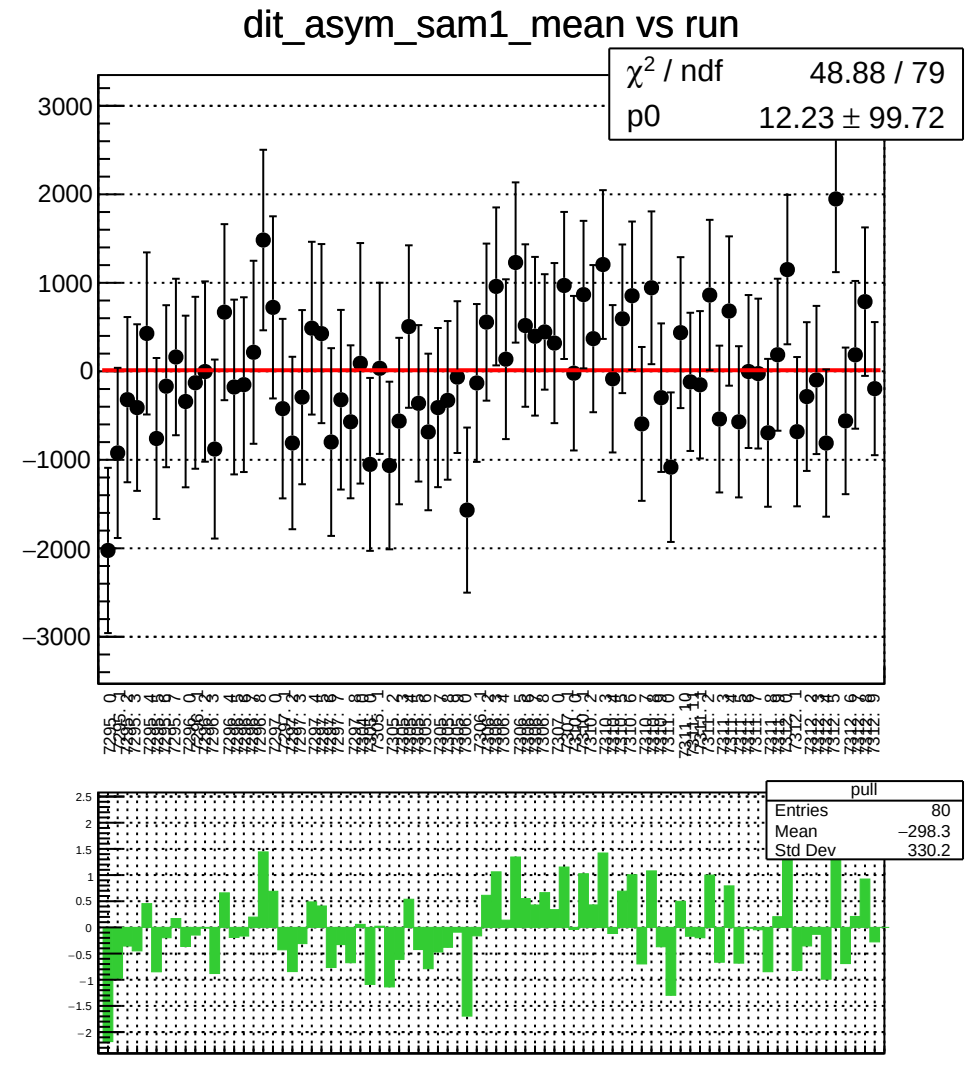

pull1D
Entries 80
Mean −0.01303
Std Dev 0.8944
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

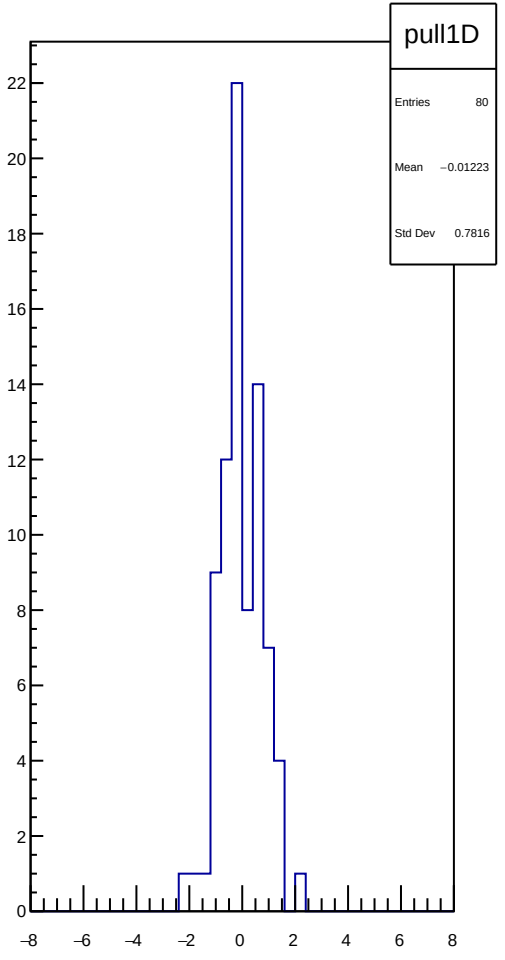

asym_atr2_correction_rms vs run
χ² / ndf 3.046e+04 / 79
p0 1.057e+04 ± 8.81
22000
20000
18000
16000
14000
12000
10000
8000

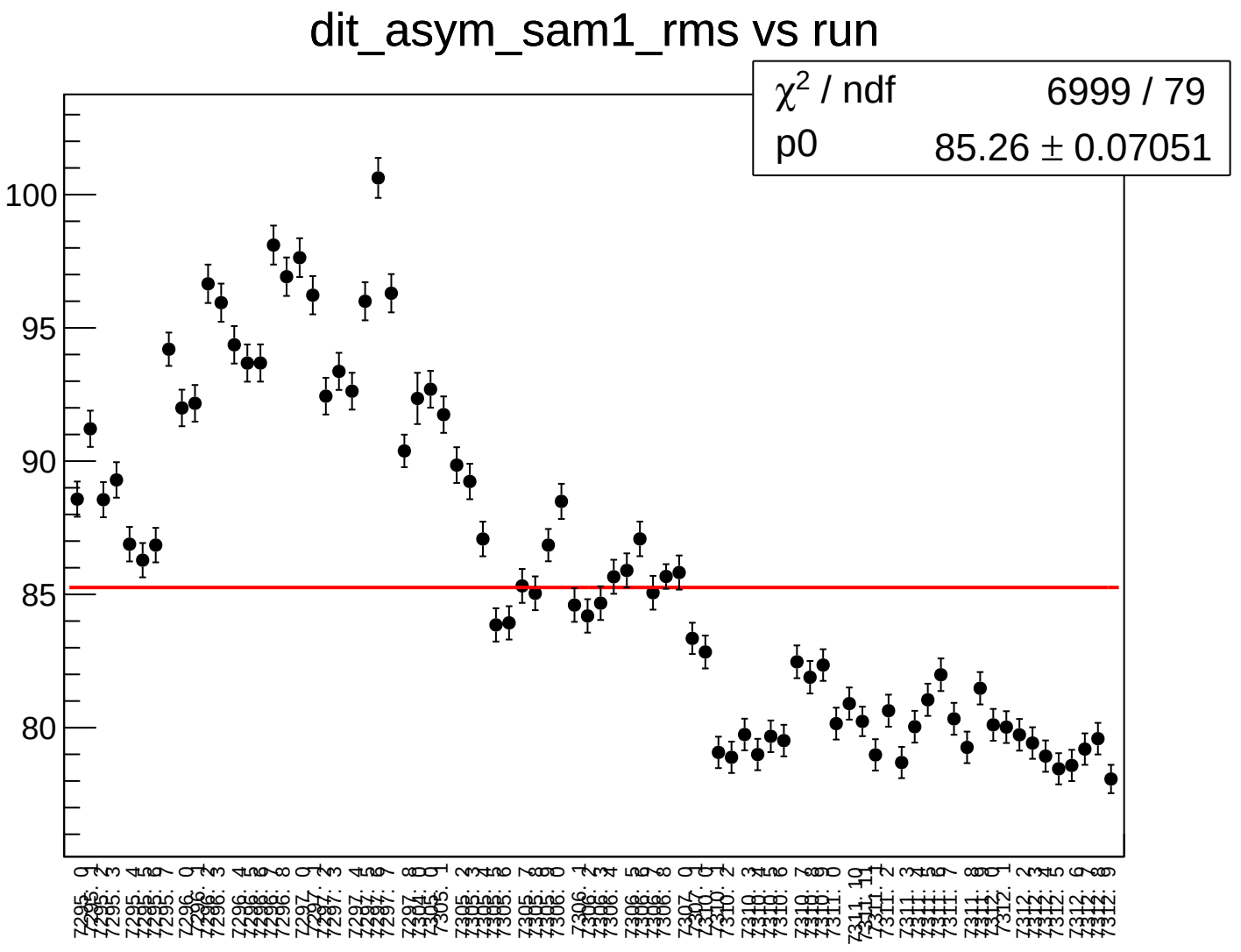

asym_atr2_mean vs run
×10^3
χ² / ndf 64.91 / 79
p0 −2381 ± 1.296e+04
400
200
0
−200
−400
pull
Entries 80
Mean 149.8
Std Dev 117.4
3
2
1
0
−1
−2

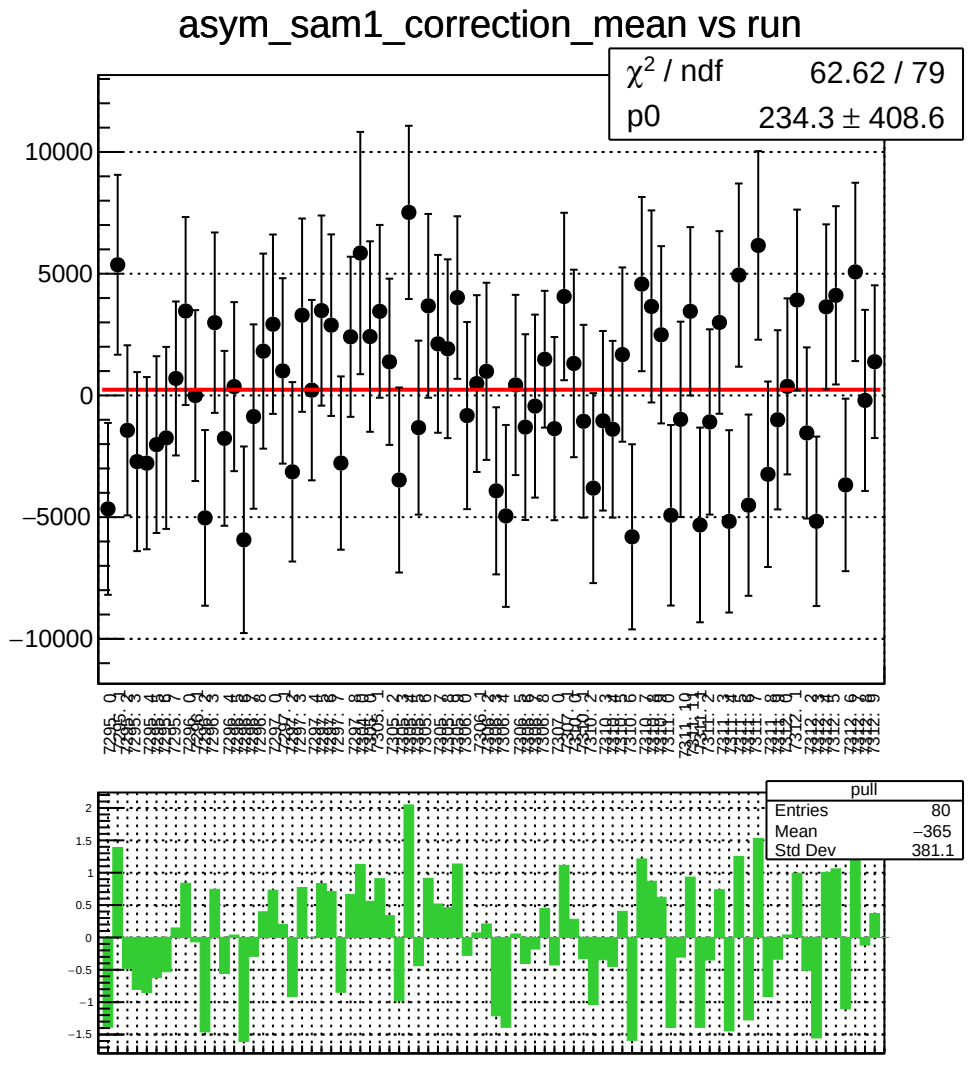

pull1D
Entries 80
Mean 0.01038
Std Dev 0.9007
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

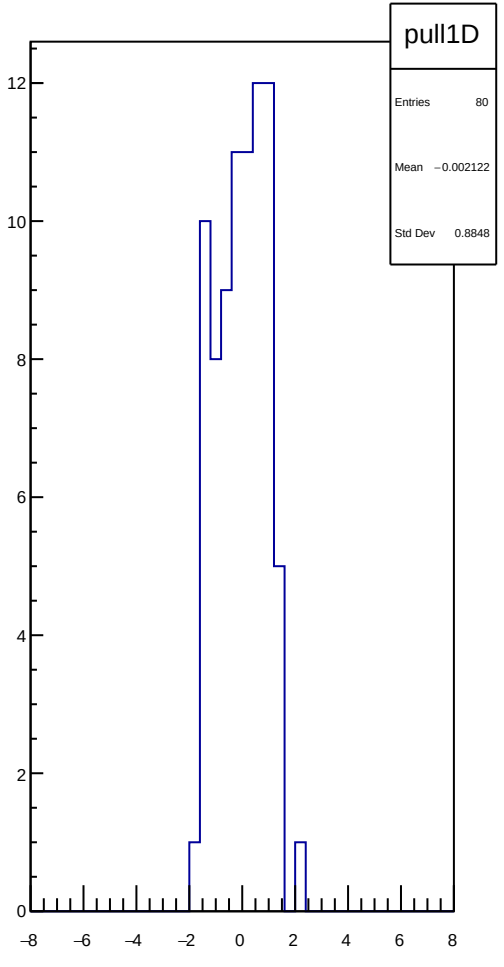

asym_atr2_rms vs run
χ² / ndf 2.952e+04 / 79
p0 1.1e+04 ± 9.165
24000
22000
20000
18000
16000
14000
12000
10000
8000

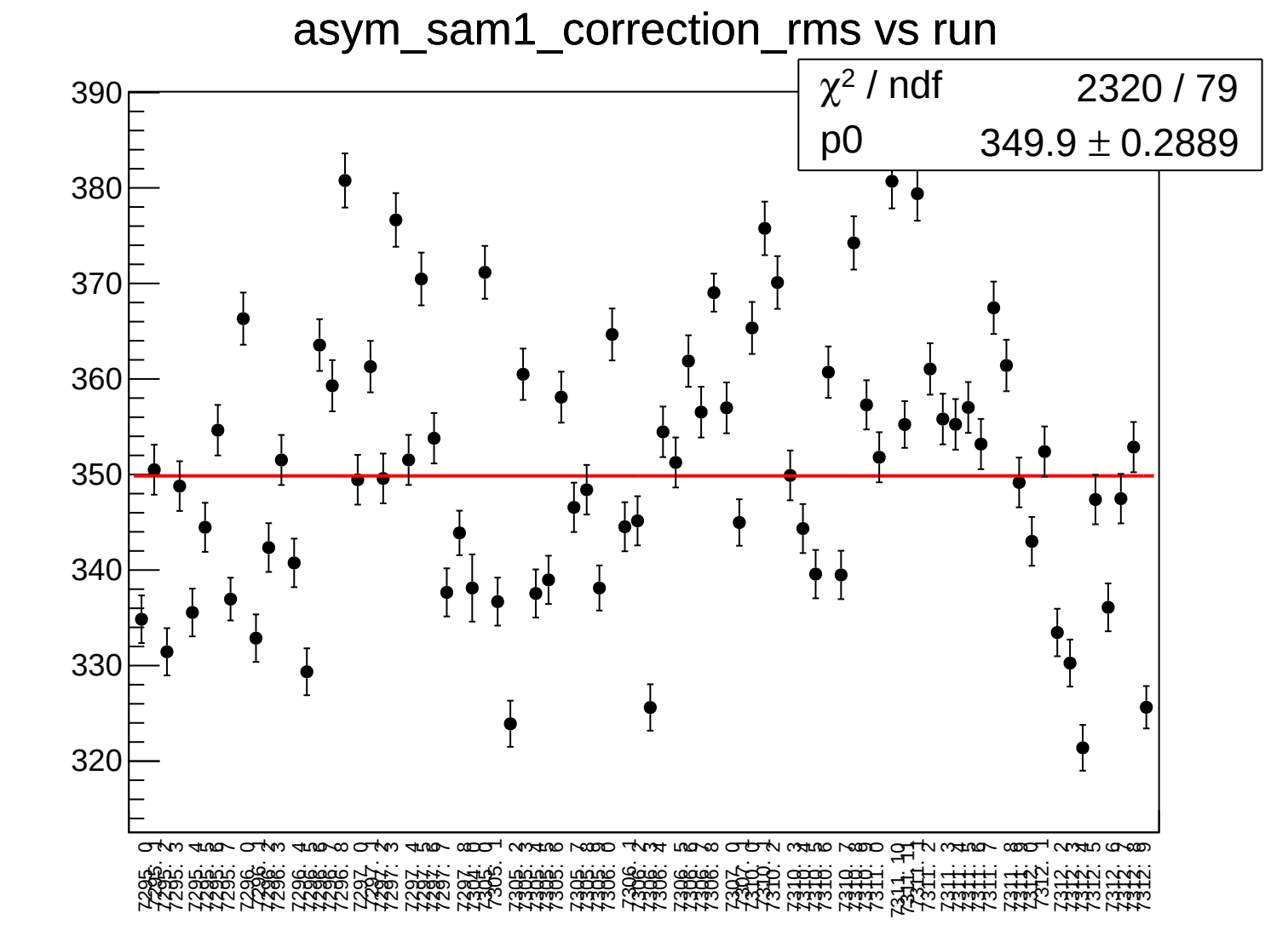

dit_asym_sam1_mean vs run
χ² / ndf 48.88 / 79
p0 12.23 ± 99.72
pull
Entries 80
Mean −298.3
Std Dev 330.2

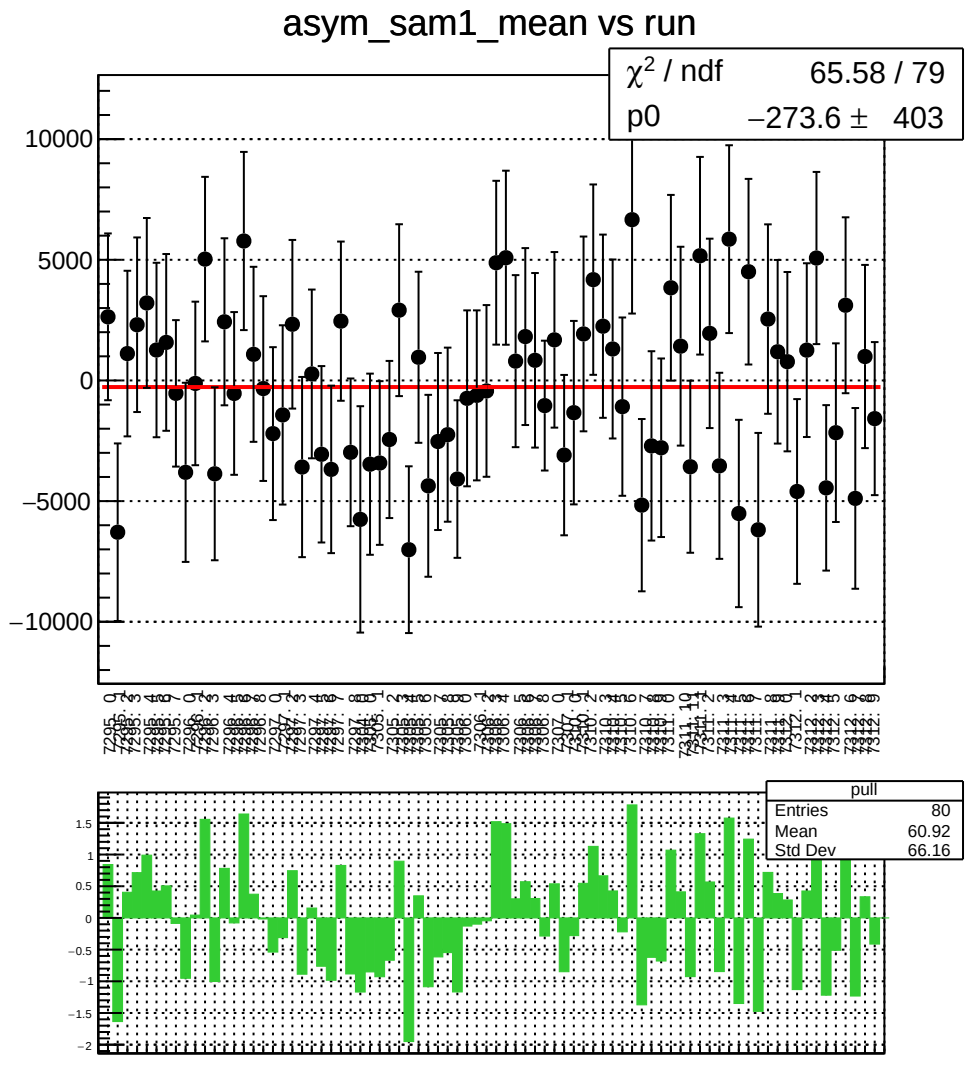

pull1D
Entries 80
Mean −0.01223
Std Dev 0.7816

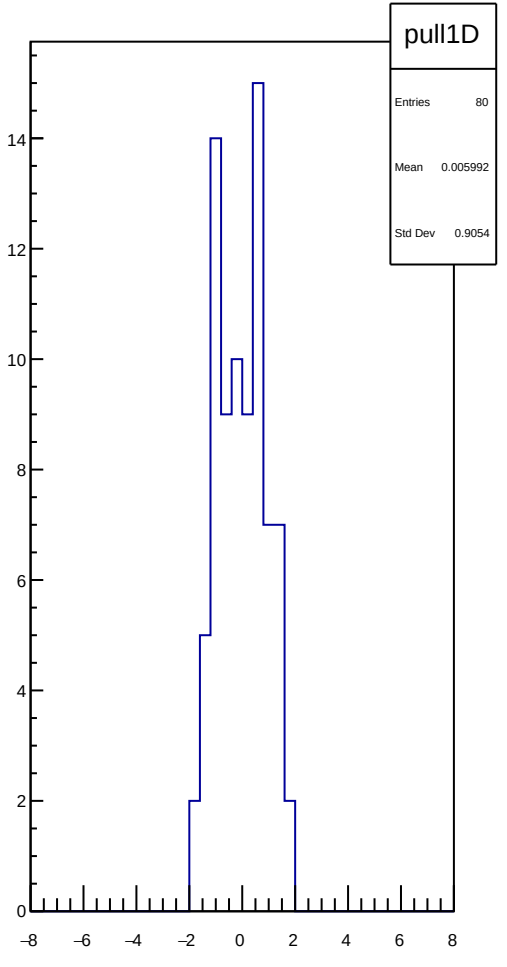

dit_asym_sam1_rms vs run
χ^2 / ndf 6999 / 79
p0 85.26 ± 0.07051
100
95
90
85
80

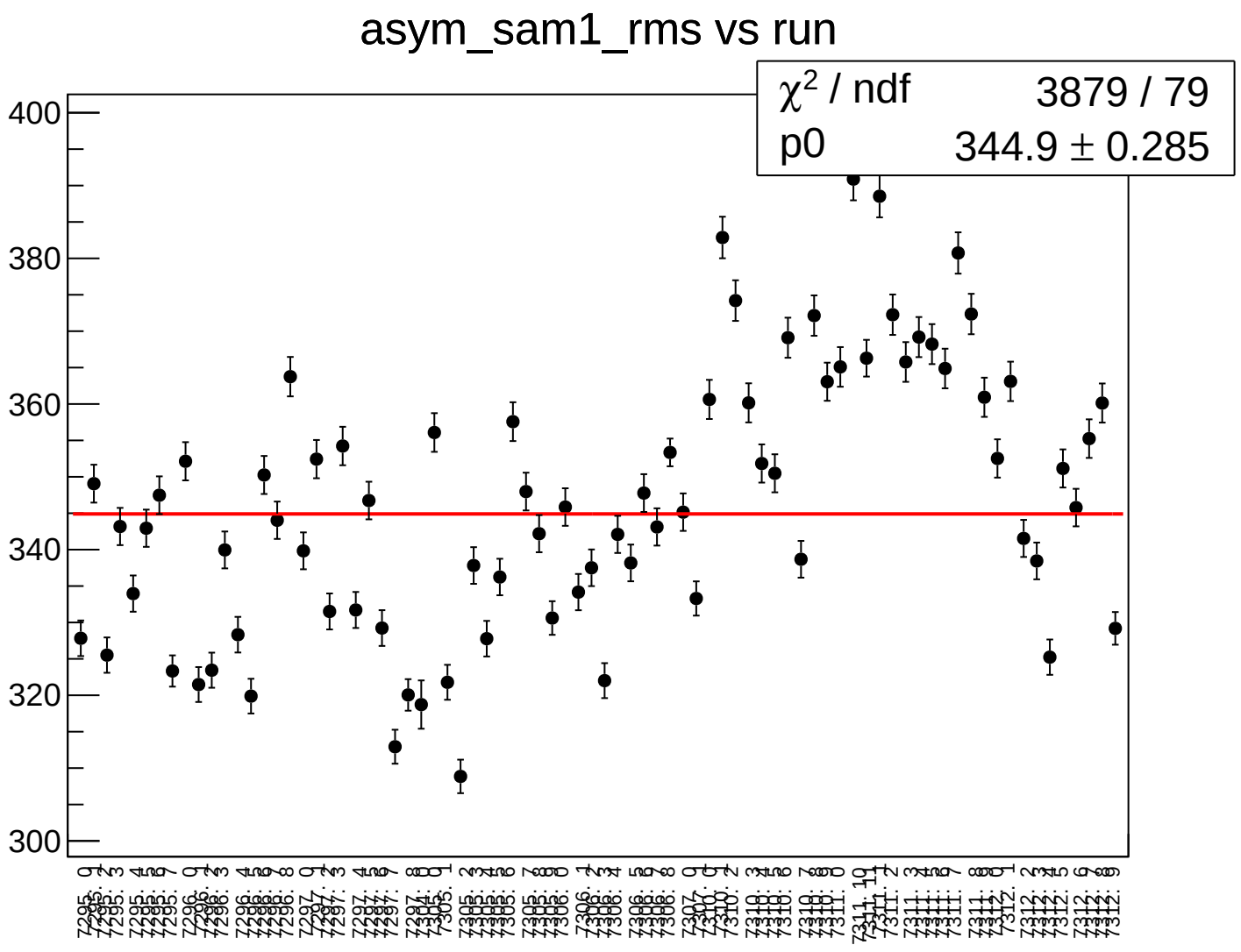

asym_sam1_correction_mean vs run
χ² / ndf 62.62 / 79
p0 234.3 ± 408.6
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −365
Std Dev 381.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

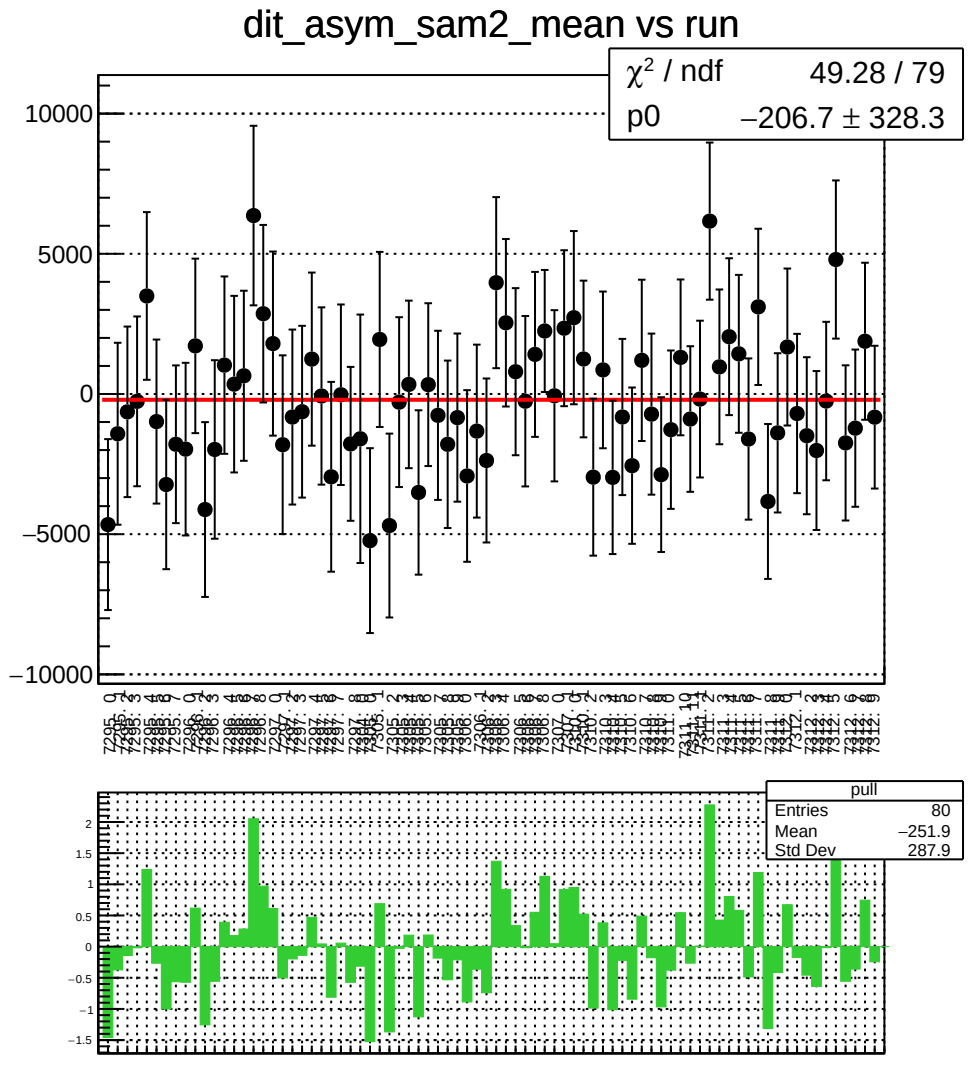

pull1D
Entries 80
Mean −0.002122
Std Dev 0.8848
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

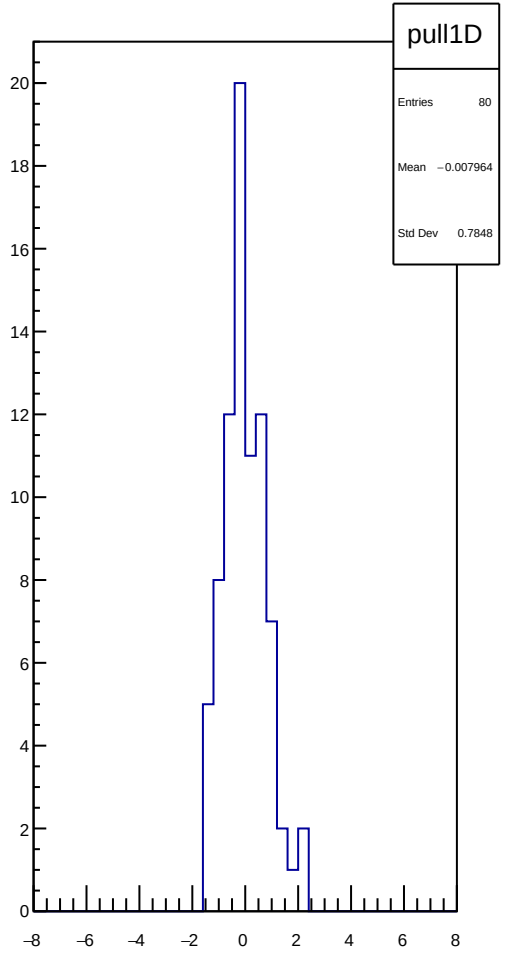

asym_sam1_correction_rms vs run
χ² / ndf 2320 / 79
p0 349.9 ± 0.2889
390
380
370
360
350
340
330
320

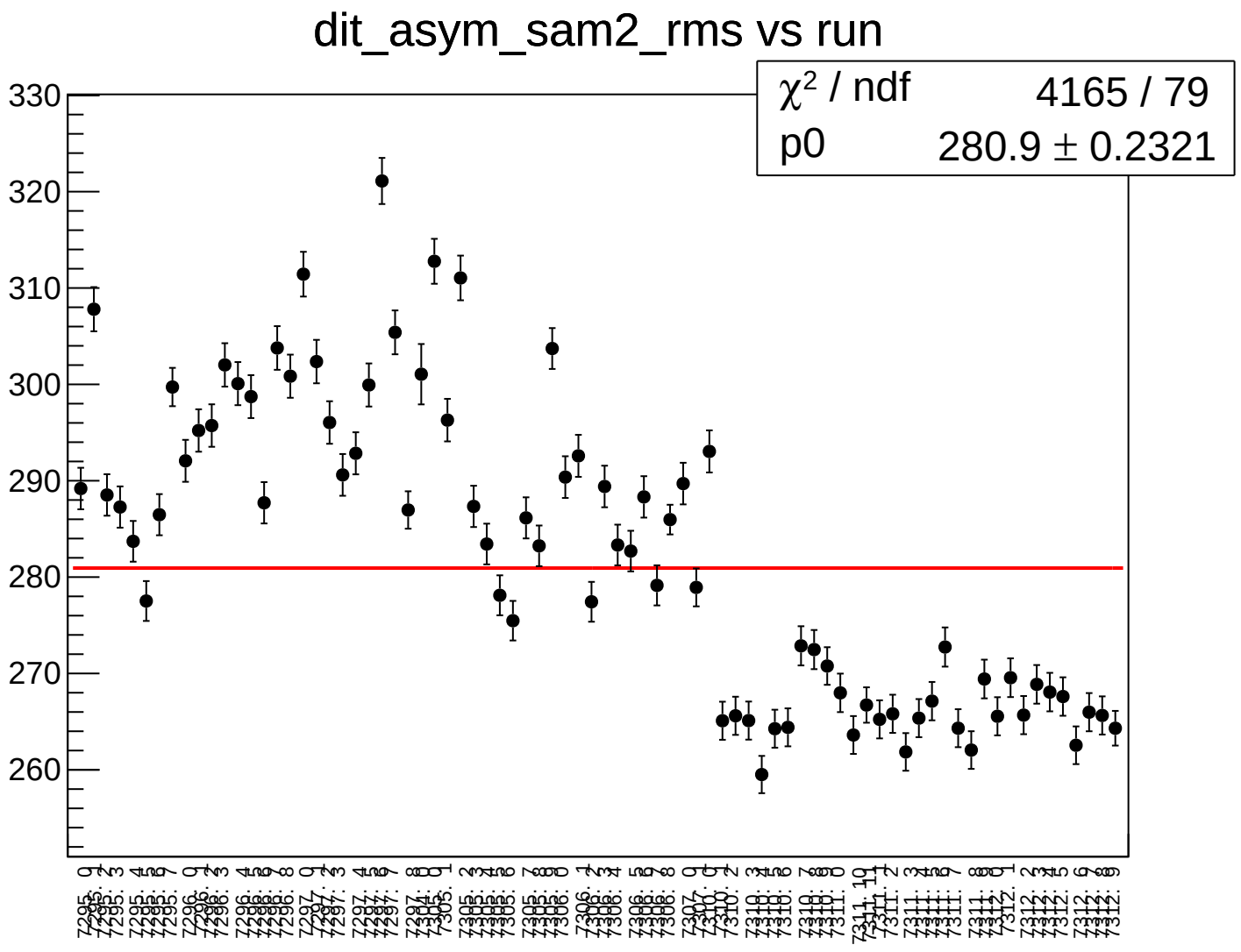

asym_sam1_mean vs run
χ² / ndf 65.58 / 79
p0 −273.6 ± 403
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 60.92
Std Dev 66.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2

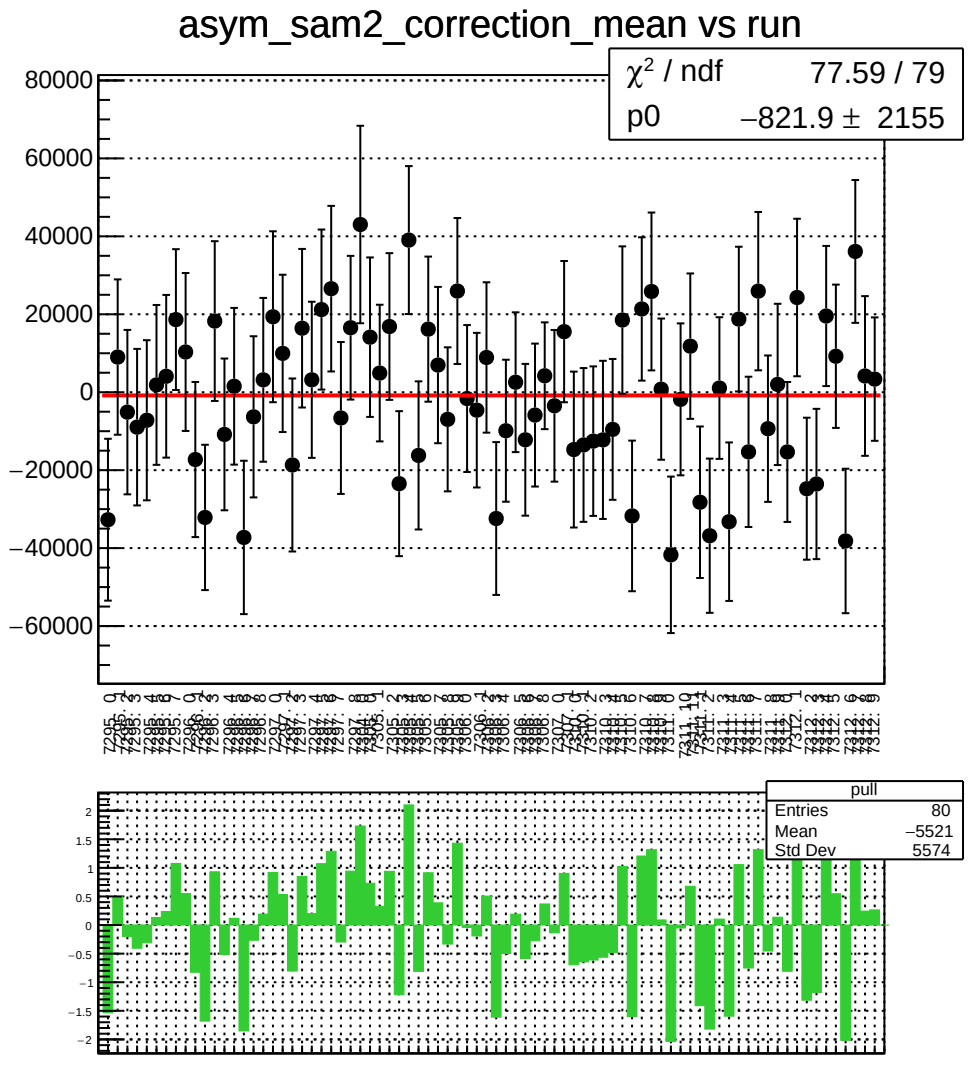

pull1D
Entries 80
Mean 0.005992
Std Dev 0.9054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

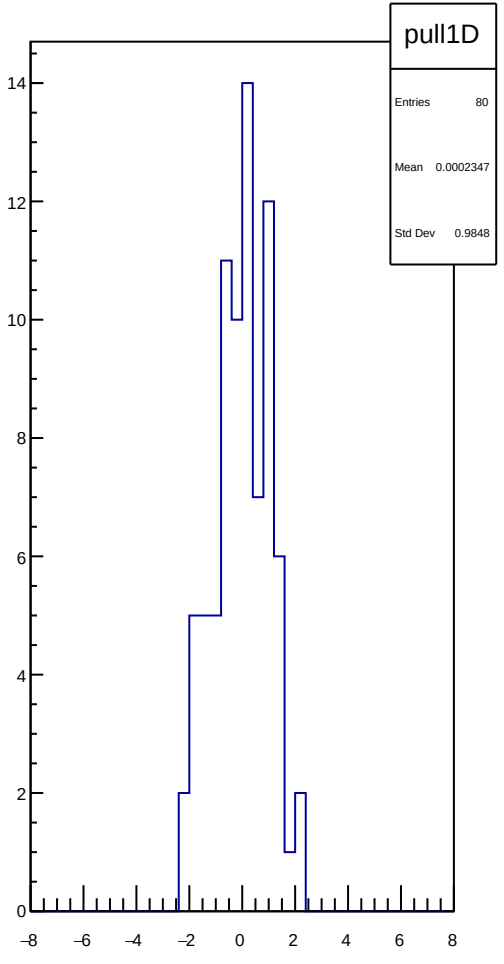

asym_sam1_rms vs run
χ² / ndf 3879 / 79
p0 344.9 ± 0.285
400
380
360
340
320
300

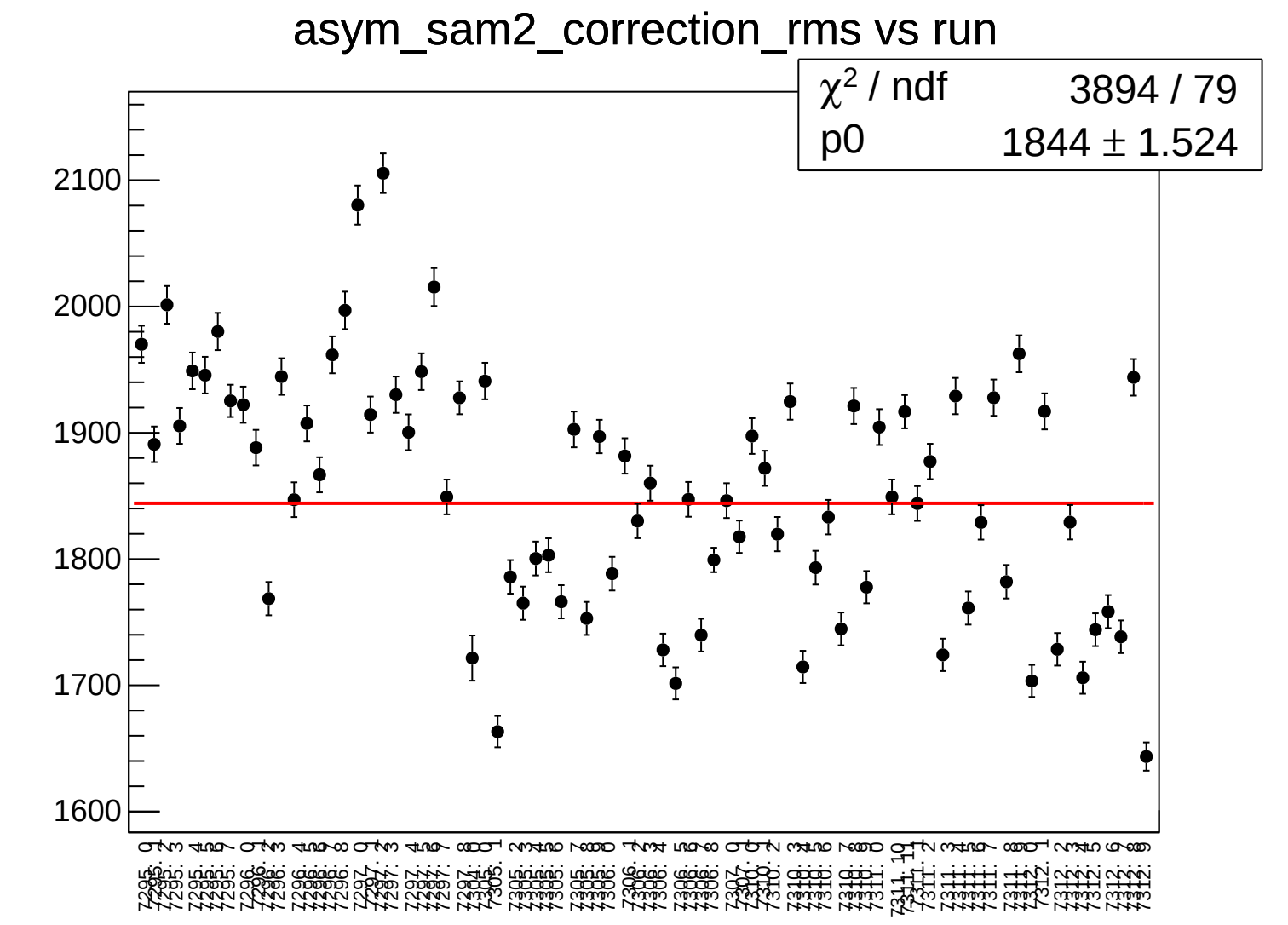

dit_asym_sam2_mean vs run
χ² / ndf 49.28 / 79
p0 −206.7 ± 328.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −251.9
Std Dev 287.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

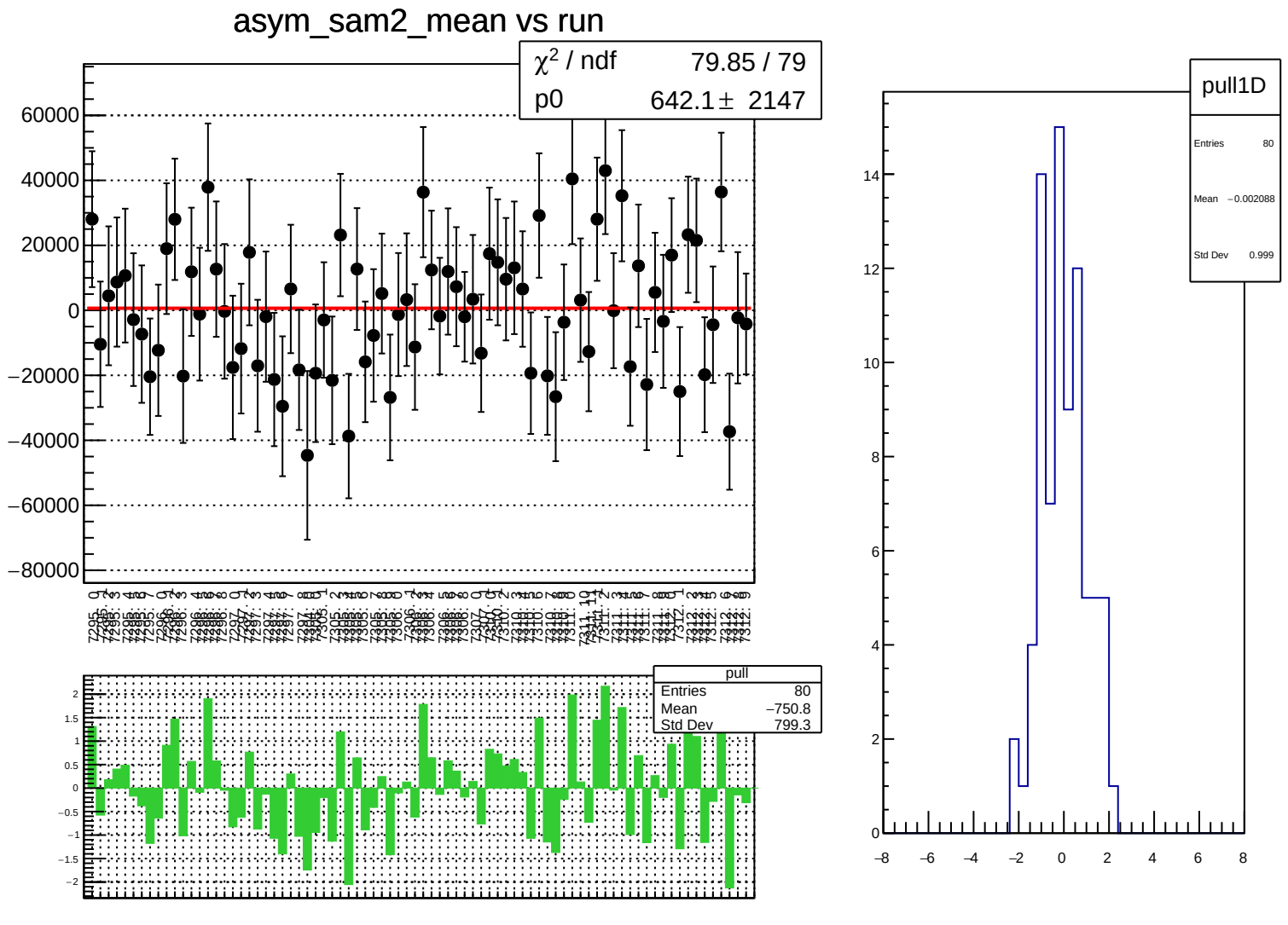

pull1D
Entries 80
Mean −0.007964
Std Dev 0.7848
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

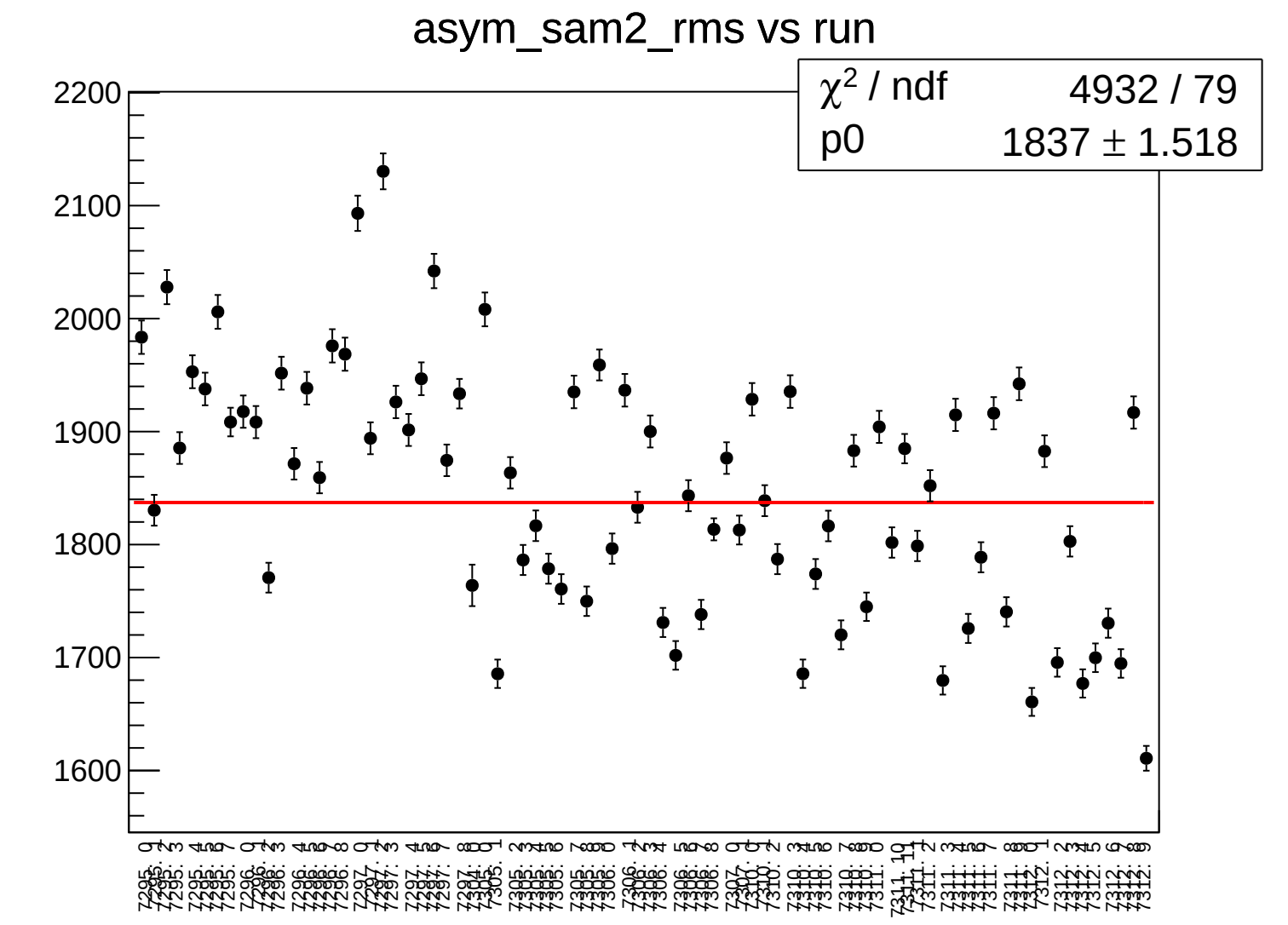

dit_asym_sam2_rms vs run
χ² / ndf 4165 / 79
p0 280.9 ± 0.2321
330
320
310
300
290
280
270
260

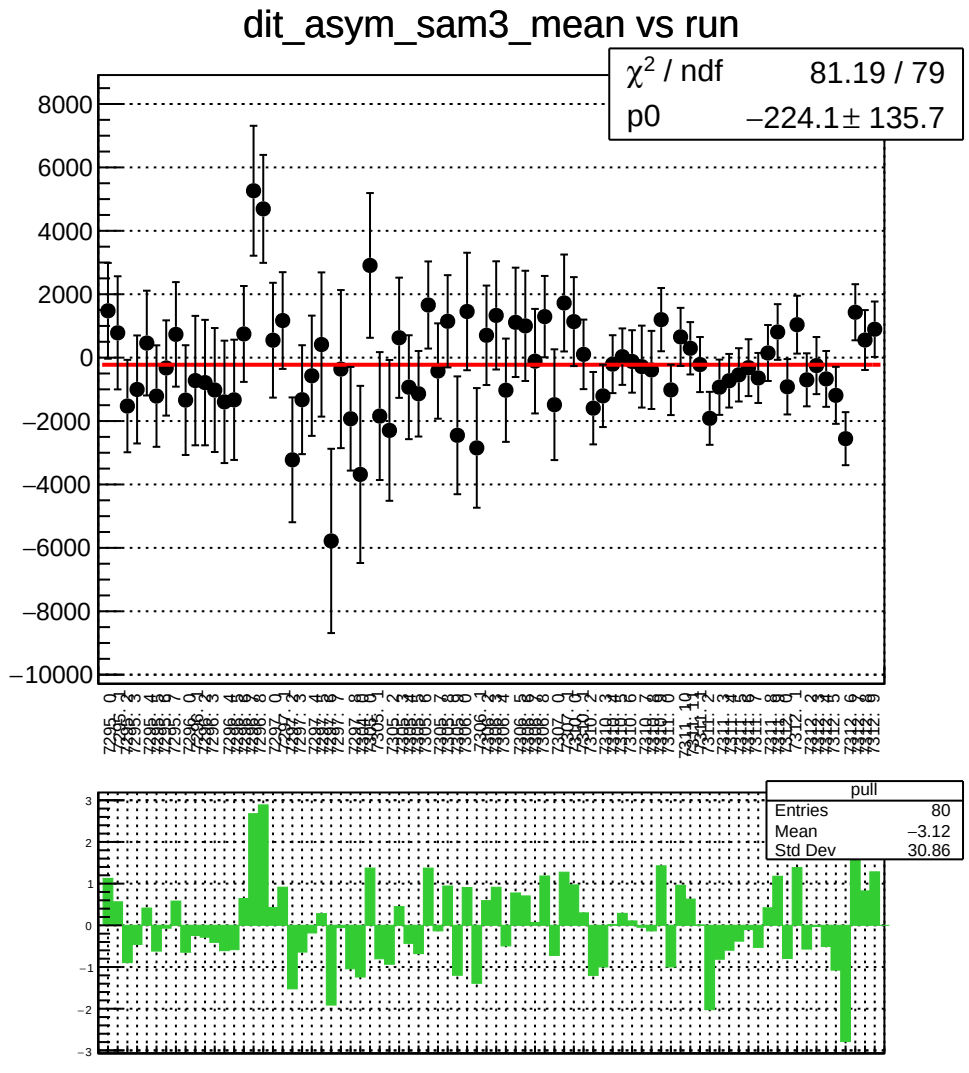

asym_sam2_correction_mean vs run
χ² / ndf 77.59 / 79
p0 −821.9 ± 2155
pull
Entries 80
Mean −5521
Std Dev 5574

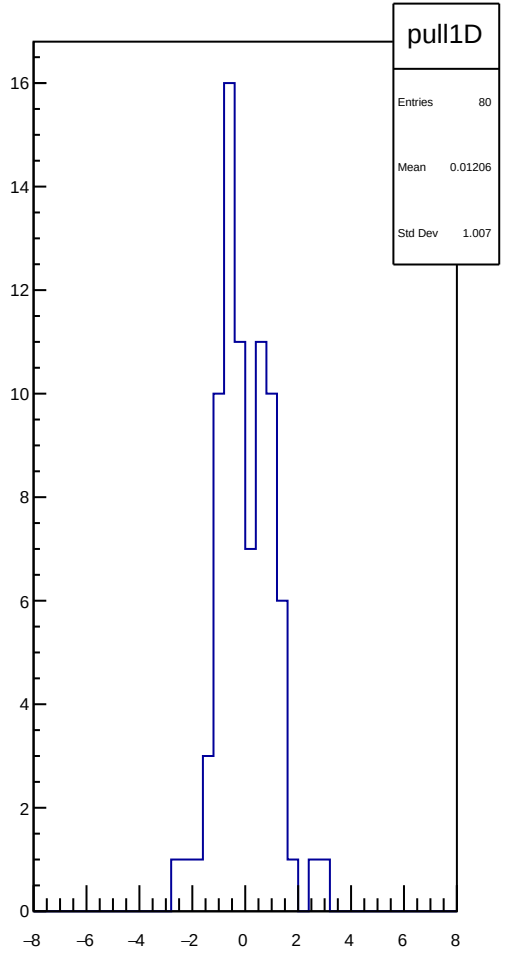

pull1D
Entries 80
Mean 0.0002347
Std Dev 0.9848

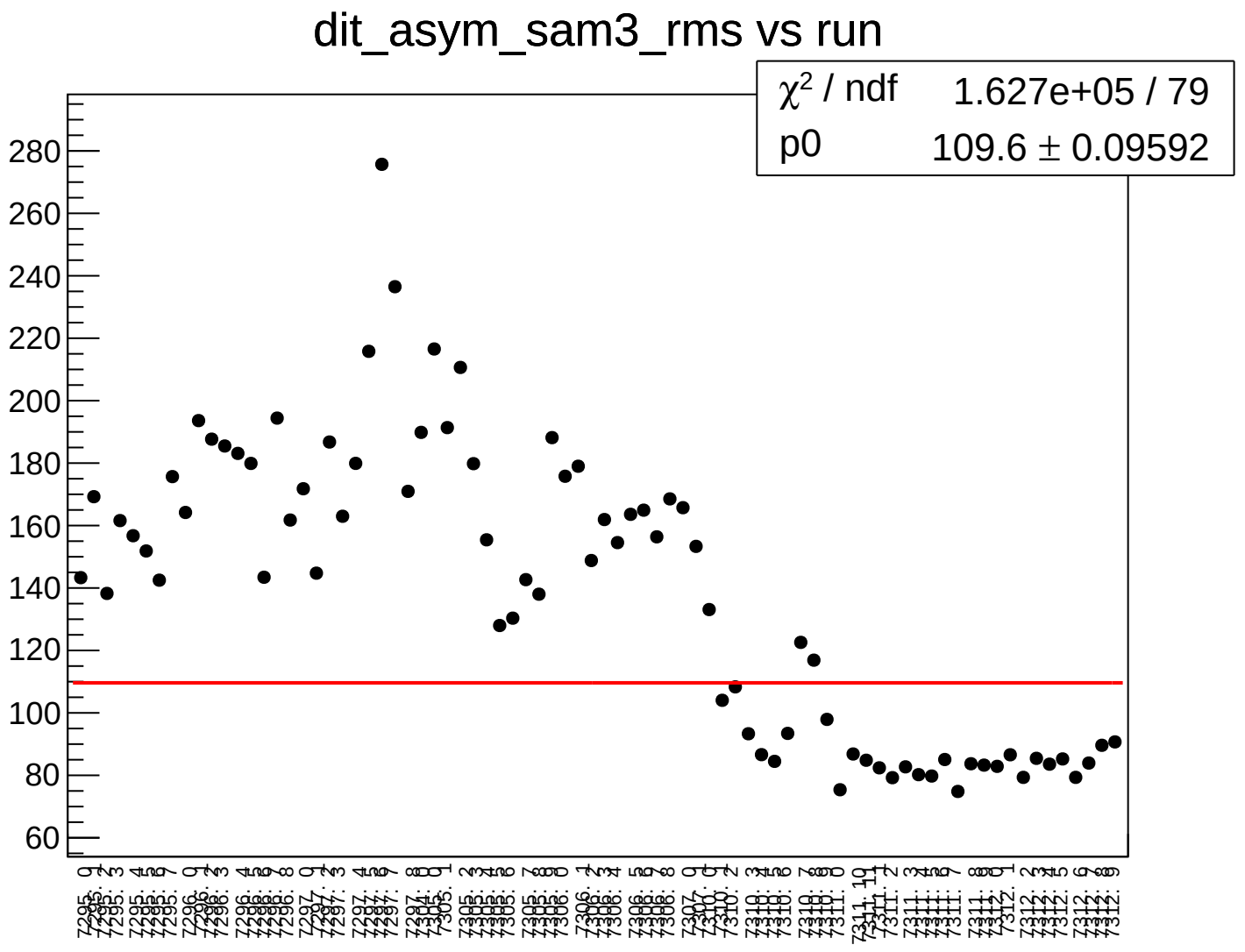

asym_sam2_correction_rms vs run
χ² / ndf 3894 / 79
p0 1844 ± 1.524
2100
2000
1900
1800
1700
1600

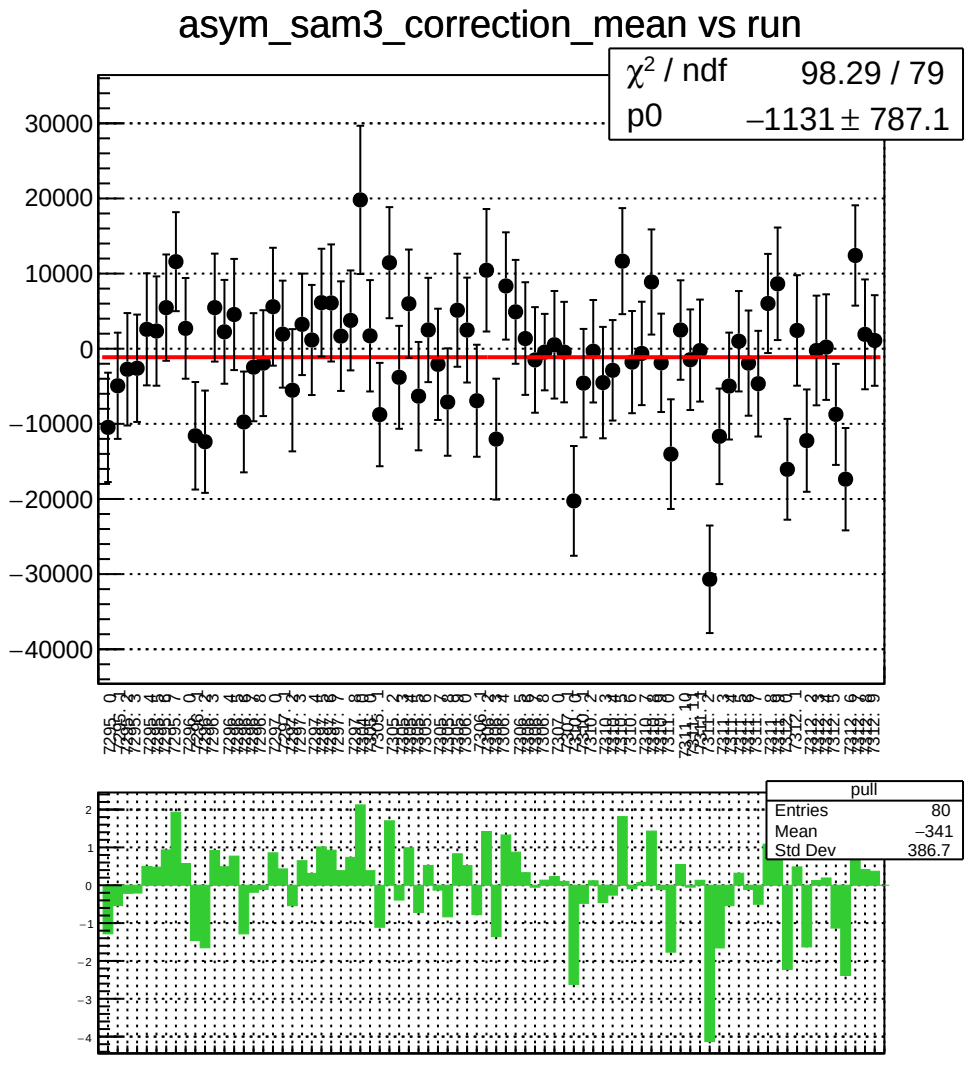

asym_sam2_mean vs run
χ² / ndf 79.85 / 79
p0 642.1 ± 2147
pull
Entries 80
Mean −750.8
Std Dev 799.3
pull1D
Entries 80
Mean −0.002088
Std Dev 0.999

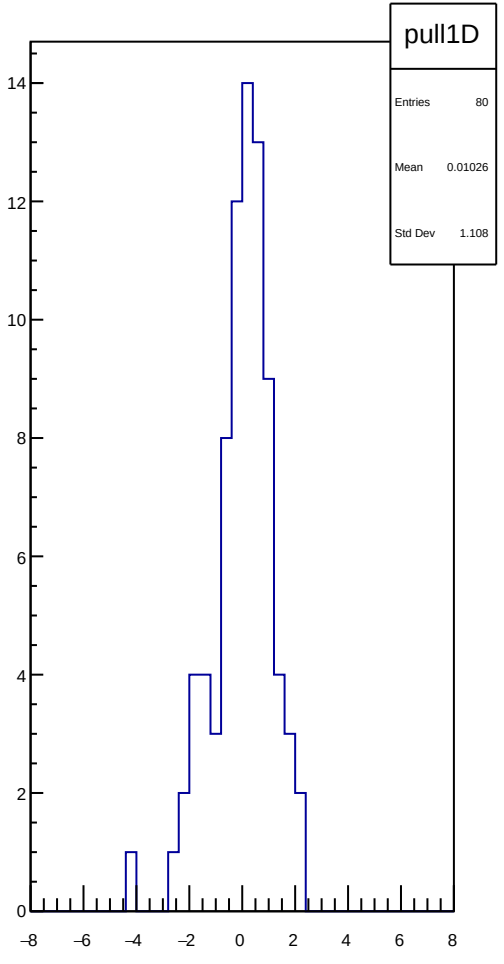

asym_sam2_rms vs run
χ^2 / ndf 4932 / 79
p0 1837 ± 1.518
2200
2100
2000
1900
1800
1700
1600

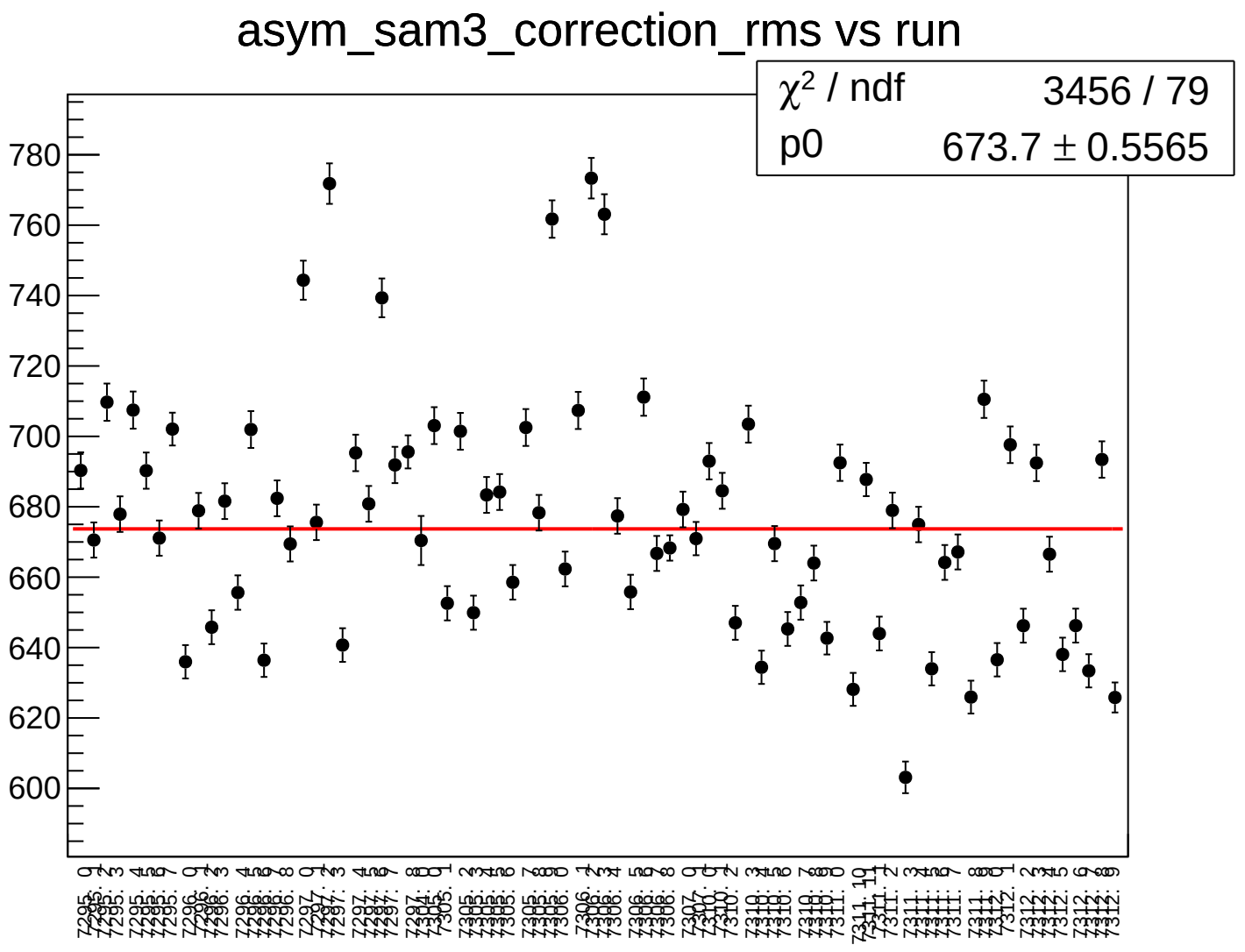

dit_asym_sam3_mean vs run
χ² / ndf 81.19 / 79
p0 −224.1± 135.7
pull
Entries 80
Mean −3.12
Std Dev 30.86

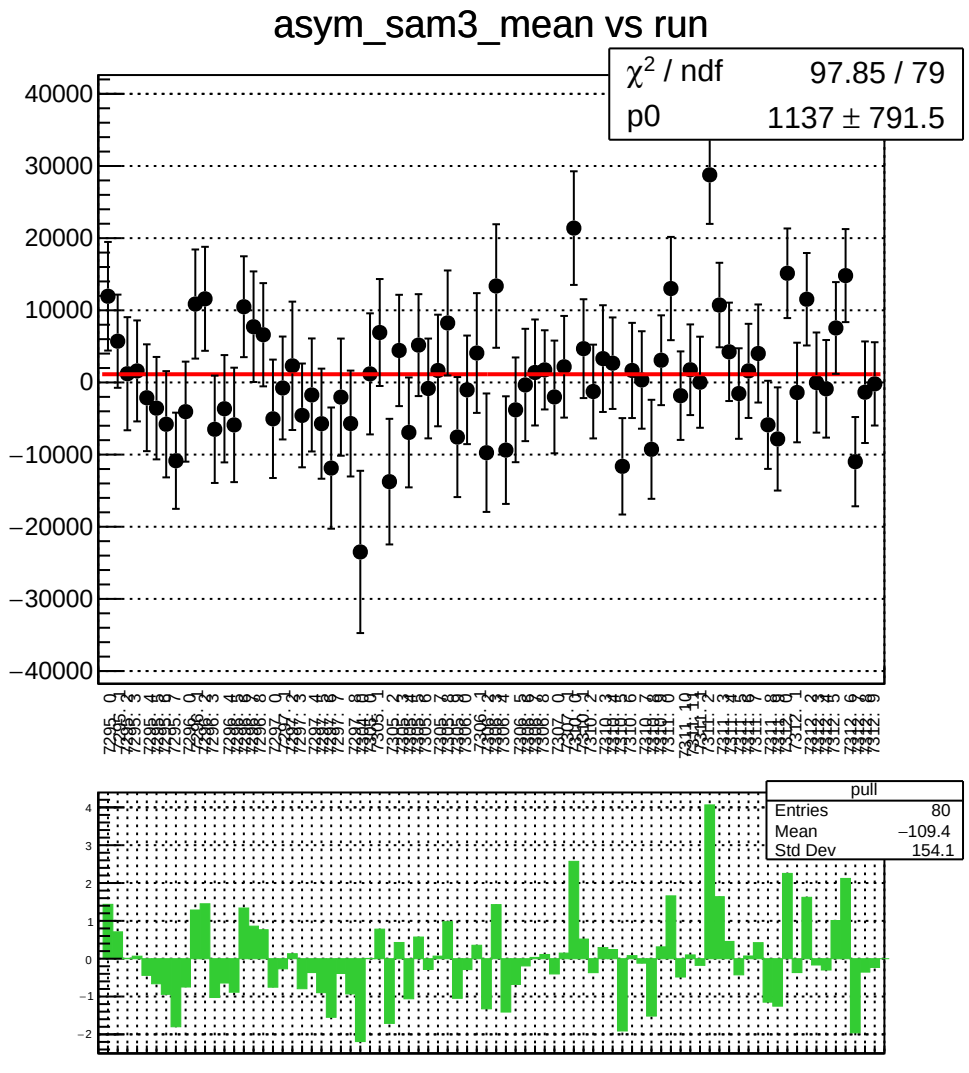

pull1D
Entries 80
Mean 0.01206
Std Dev 1.007

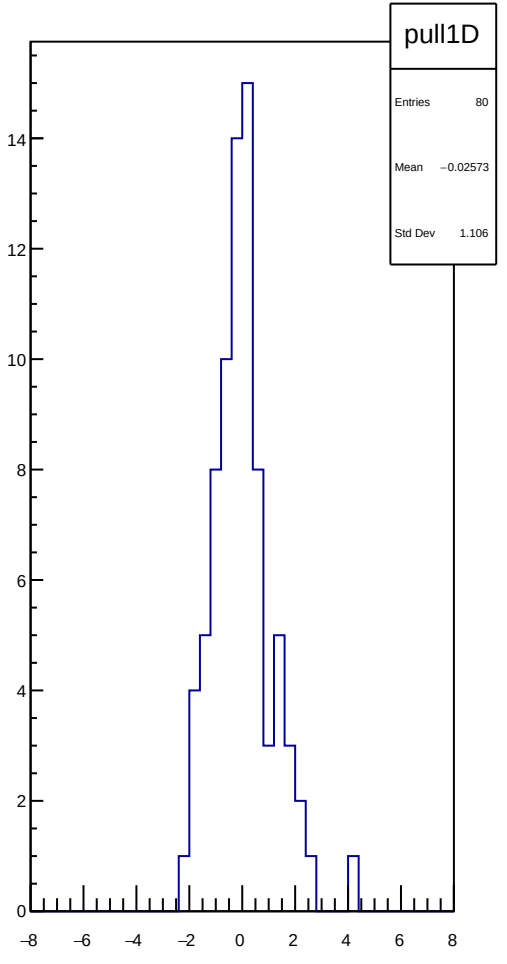

dit_asym_sam3_rms vs run
χ^2 / ndf 1.627e+05 / 79
p0 109.6 ± 0.09592
280
260
240
220
200
180
160
140
120
100
80
60

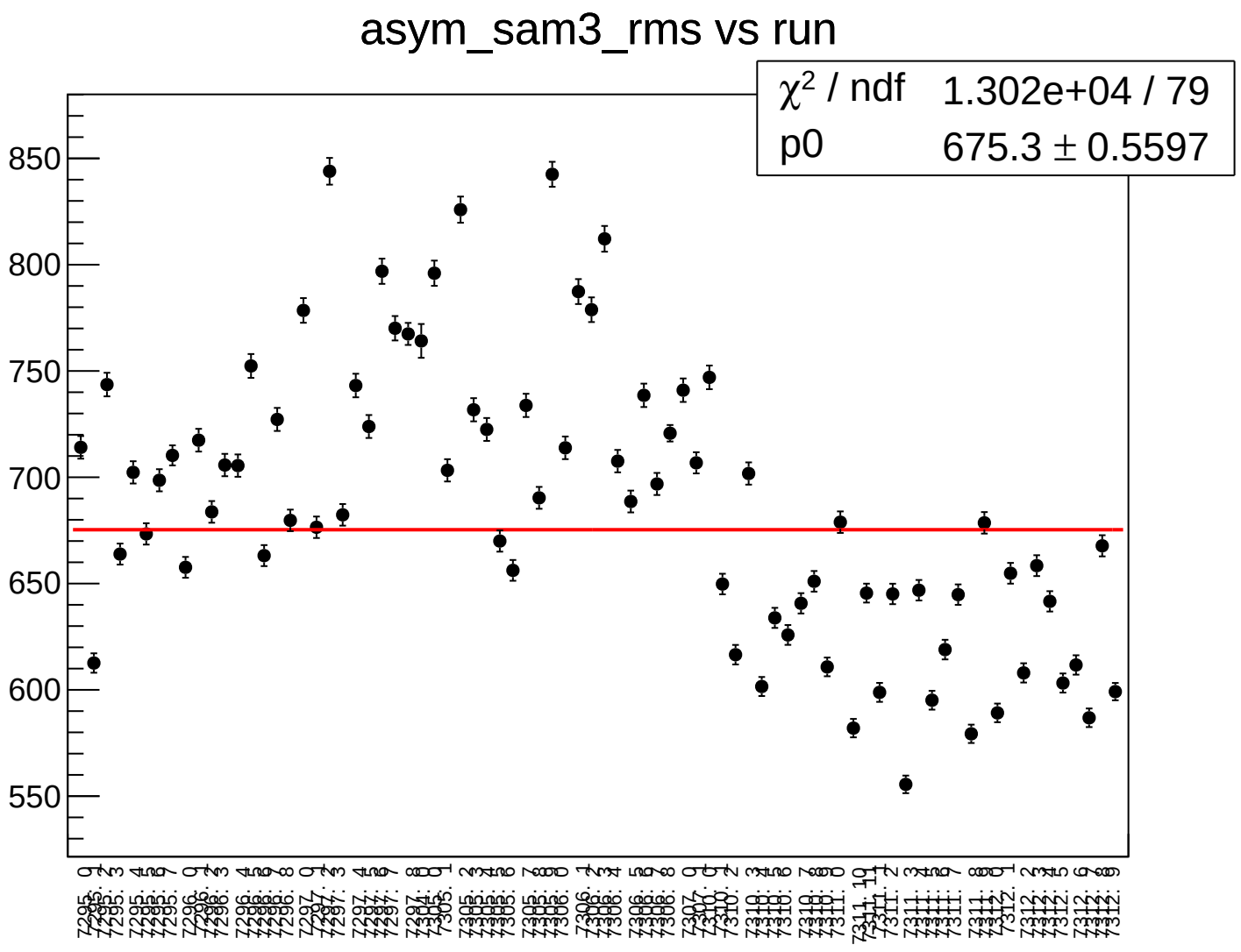

asym_sam3_correction_mean vs run
χ² / ndf 98.29 / 79
p0 −1131 ± 787.1
pull
Entries 80
Mean −341
Std Dev 386.7

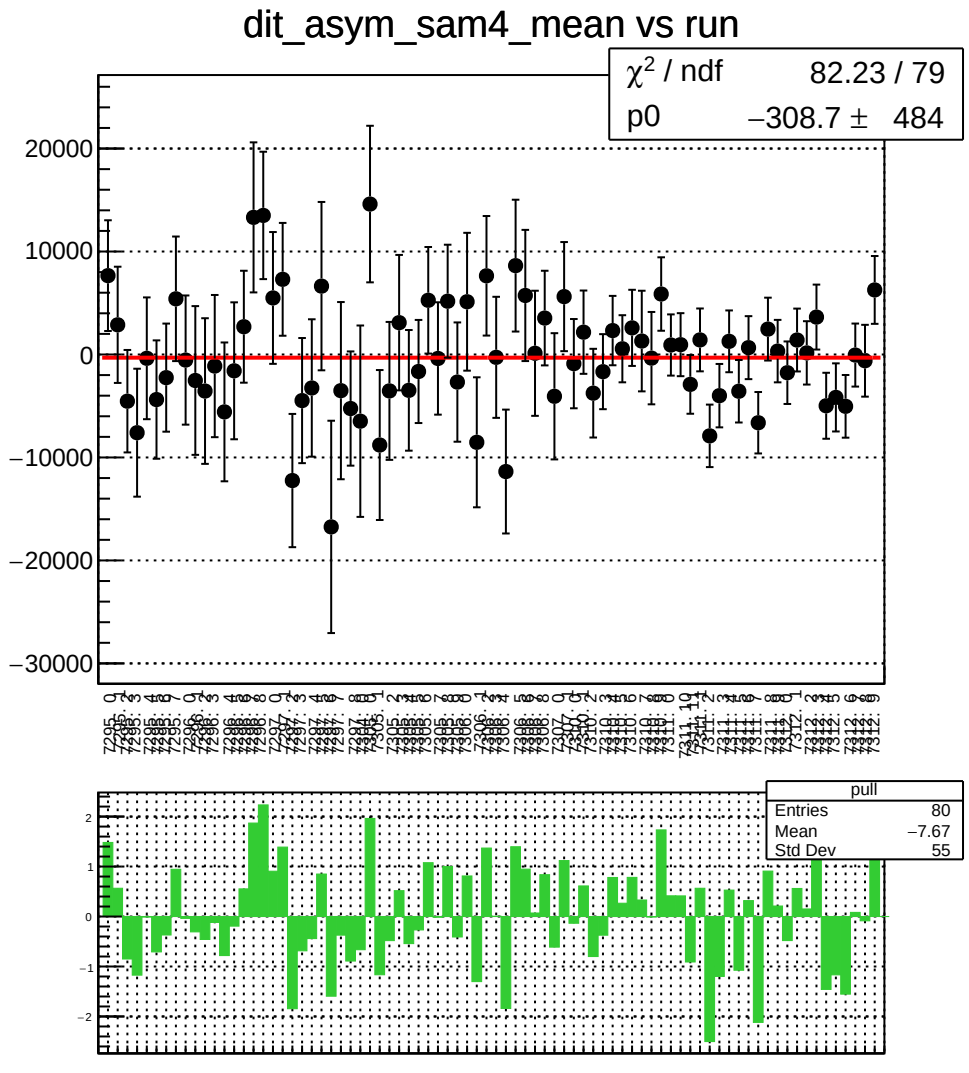

pull1D
Entries 80
Mean 0.01026
Std Dev 1.108

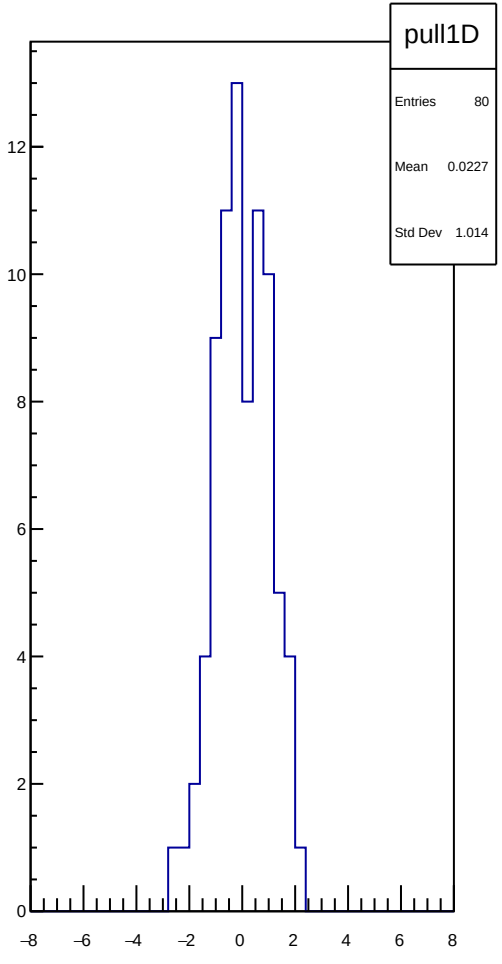

asym_sam3_correction_rms vs run
χ² / ndf 3456 / 79
p0 673.7 ± 0.5565
780
760
740
720
700
680
660
640
620
600

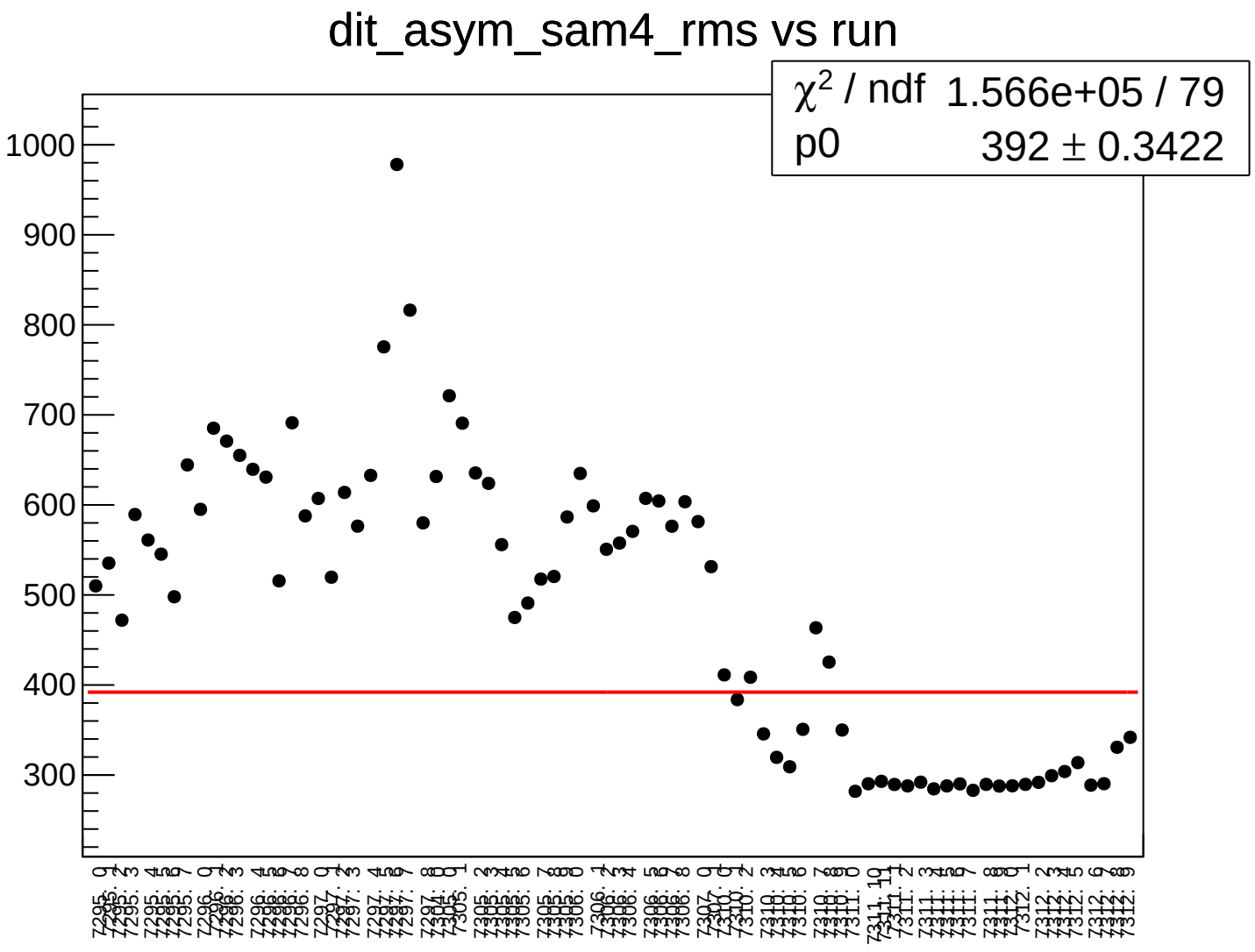

asym_sam3_mean vs run
χ² / ndf 97.85 / 79
p0 1137 ± 791.5
pull
Entries 80
Mean −109.4
Std Dev 154.1

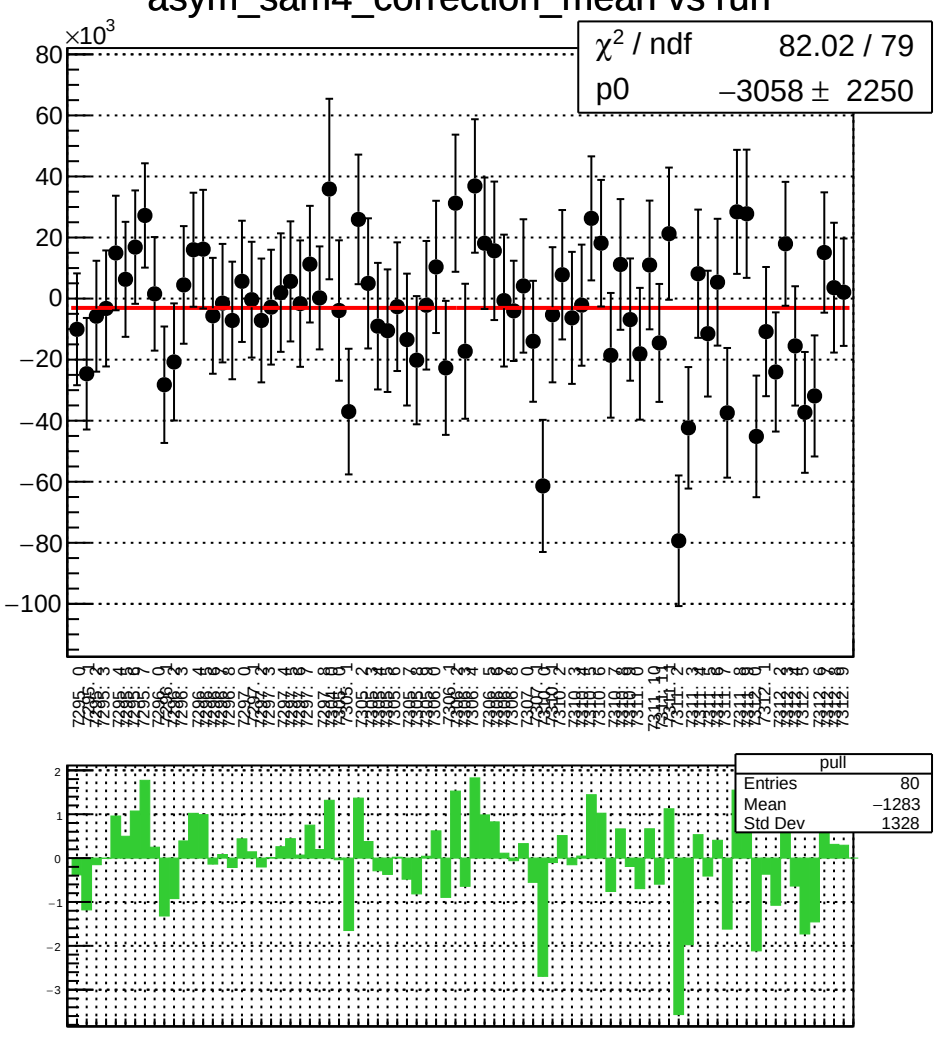

pull1D
Entries 80
Mean −0.02573
Std Dev 1.106

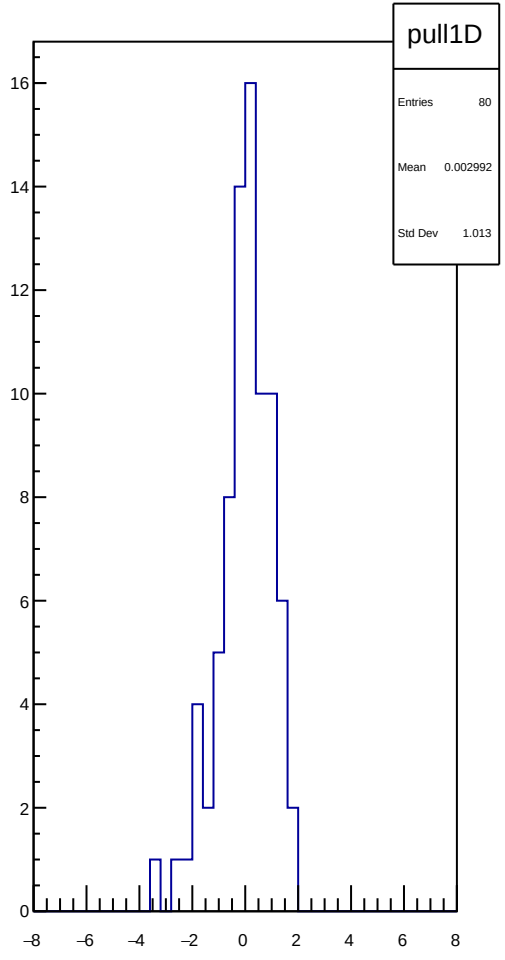

asym_sam3_rms vs run
χ² / ndf 1.302e+04 / 79
p0 675.3 ± 0.5597
850
800
750
700
650
600
550

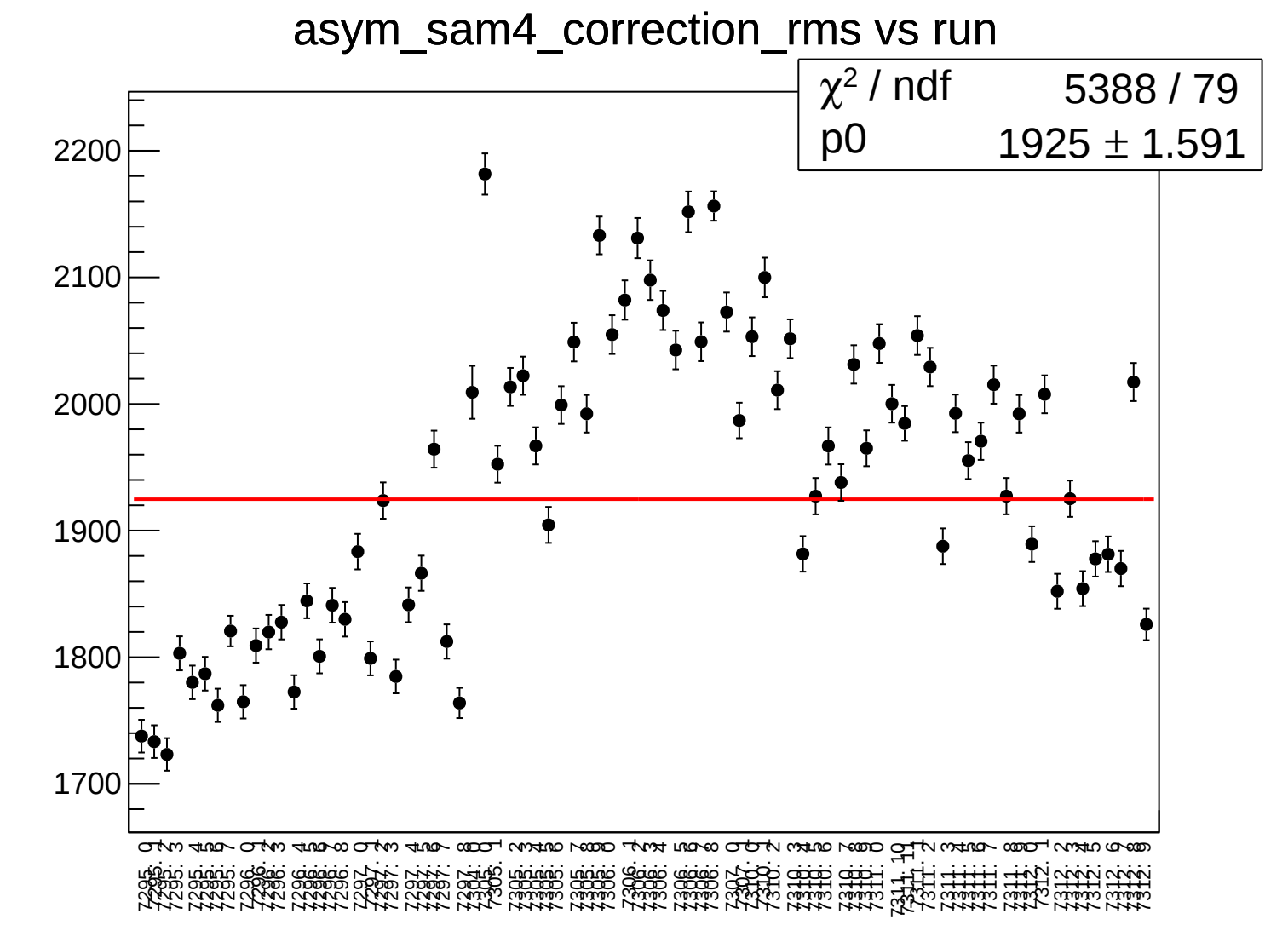

dit_asym_sam4_mean vs run
χ² / ndf 82.23 / 79
p0 −308.7 ± 484
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −7.67
Std Dev 55
2
1
0
−1
−2

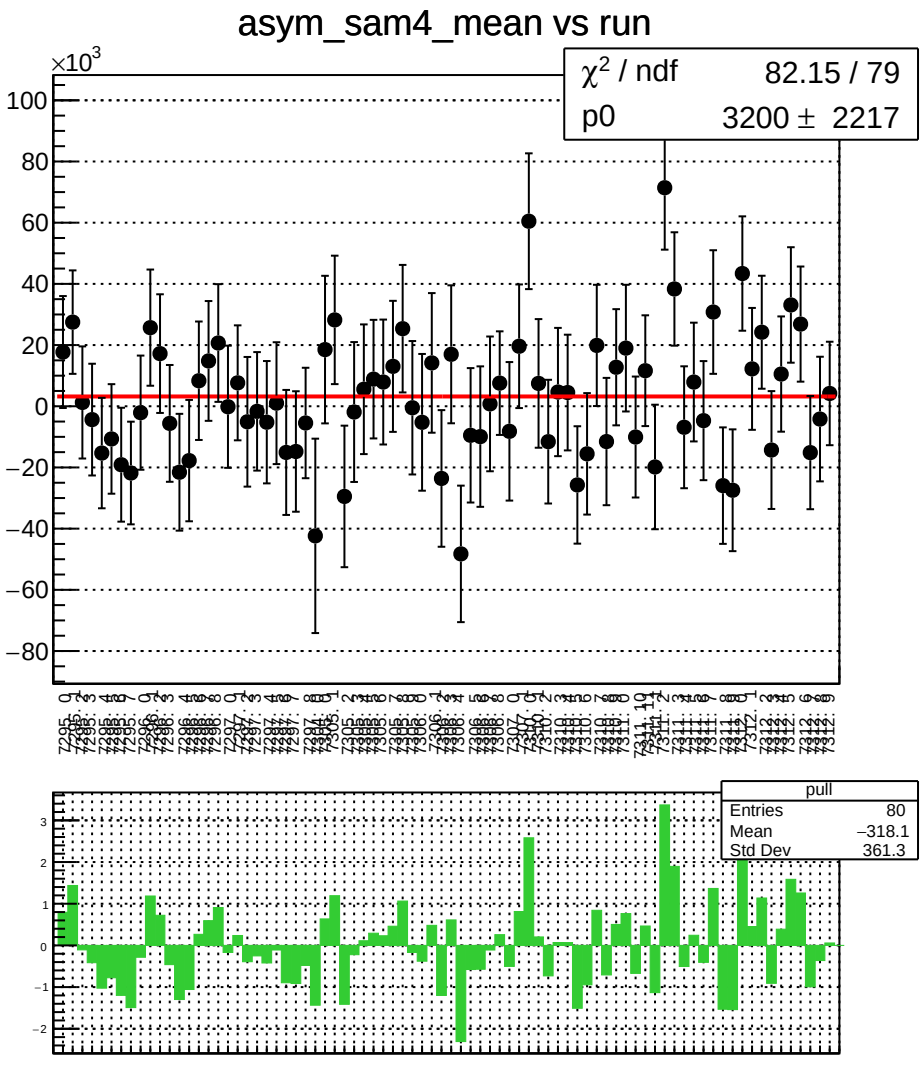

pull1D
Entries 80
Mean 0.0227
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

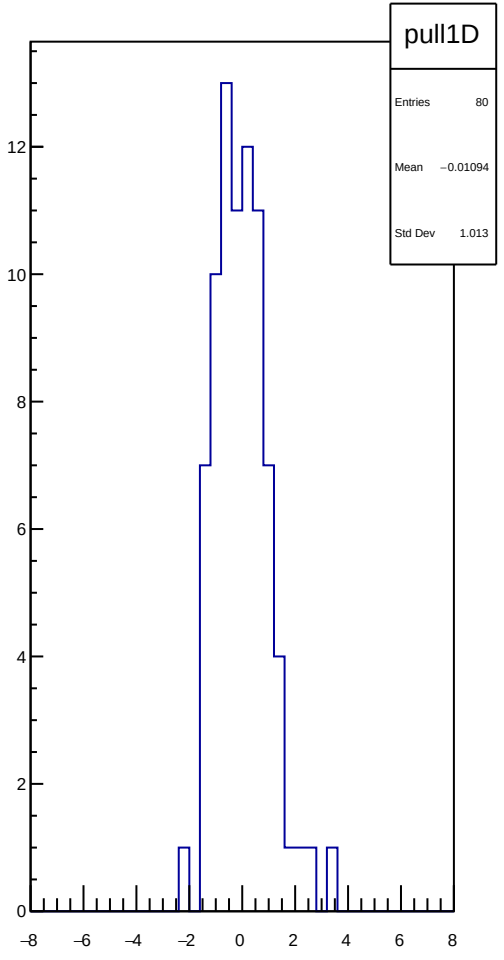

dit_asym_sam4_rms vs run
χ^2 / ndf 1.566e+05 / 79
p0 392 ± 0.3422
1000
900
800
700
600
500
400
300

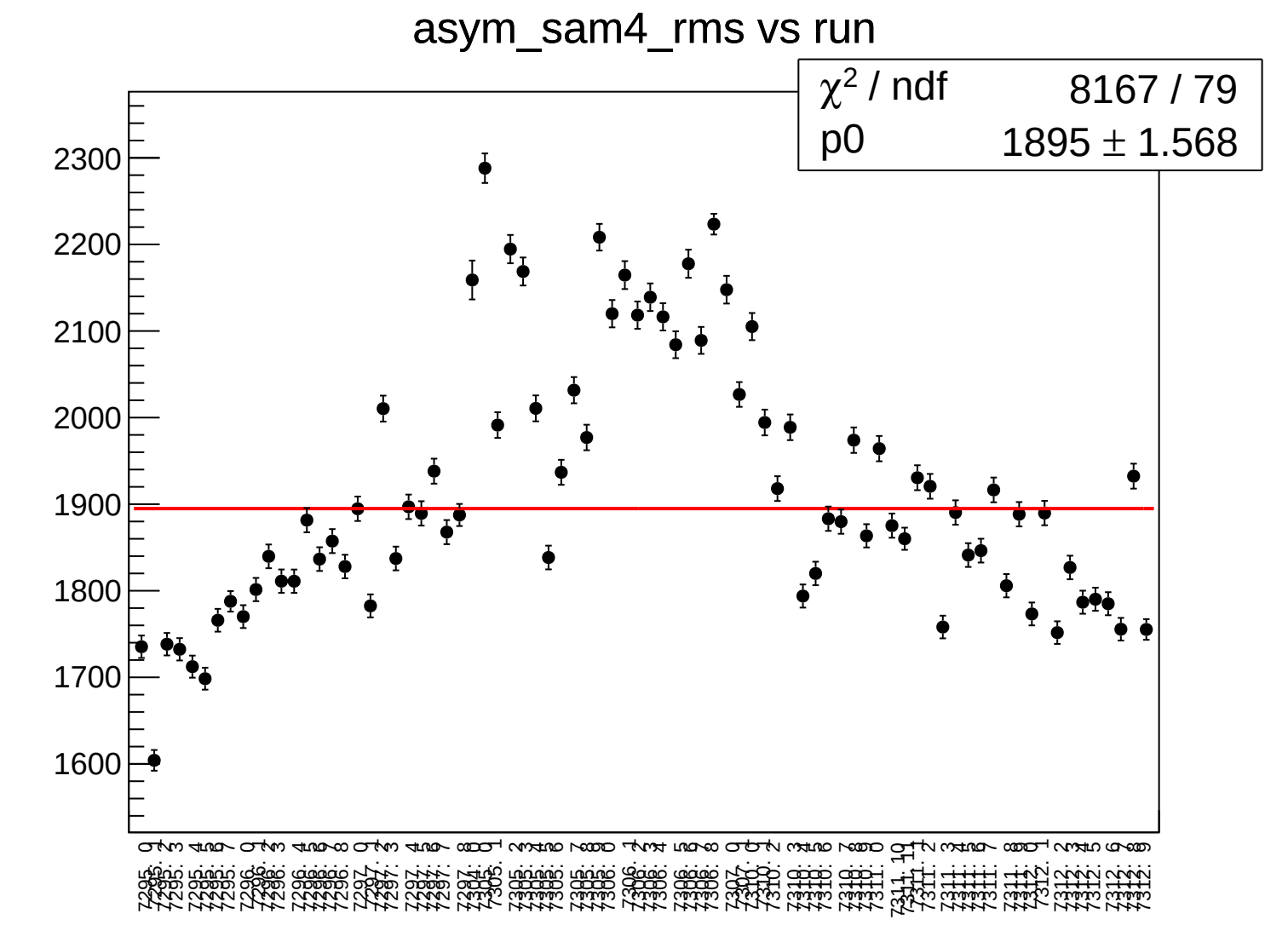

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 82.02 / 79
p0 −3058 ± 2250
pull
Entries 80
Mean −1283
Std Dev 1328

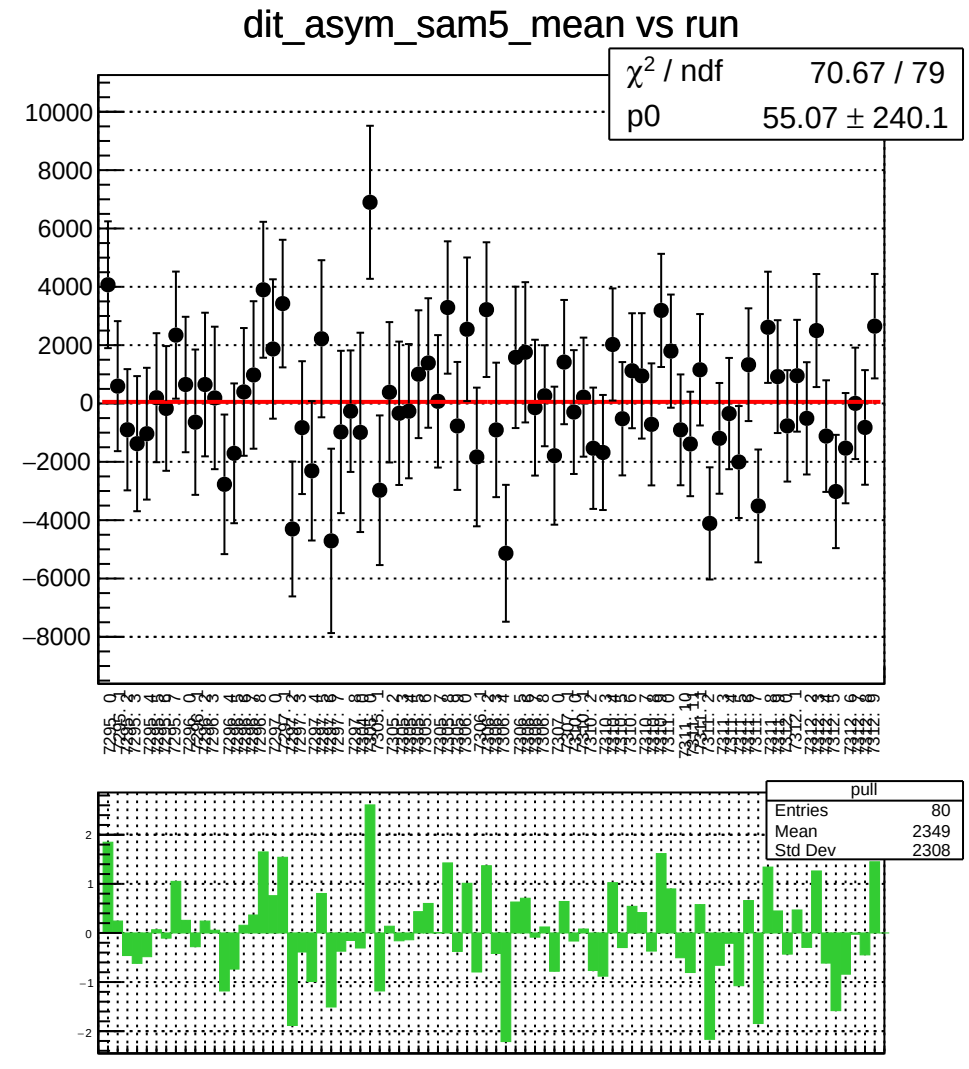

pull1D
Entries 80
Mean 0.002992
Std Dev 1.013

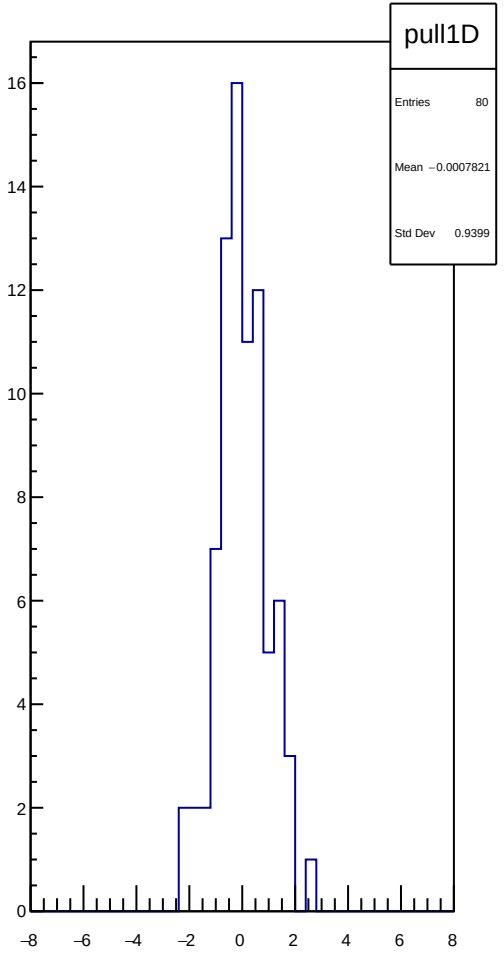

asym_sam4_correction_rms vs run
χ^2 / ndf 5388 / 79
p0 1925 ± 1.591
2200
2100
2000
1900
1800
1700

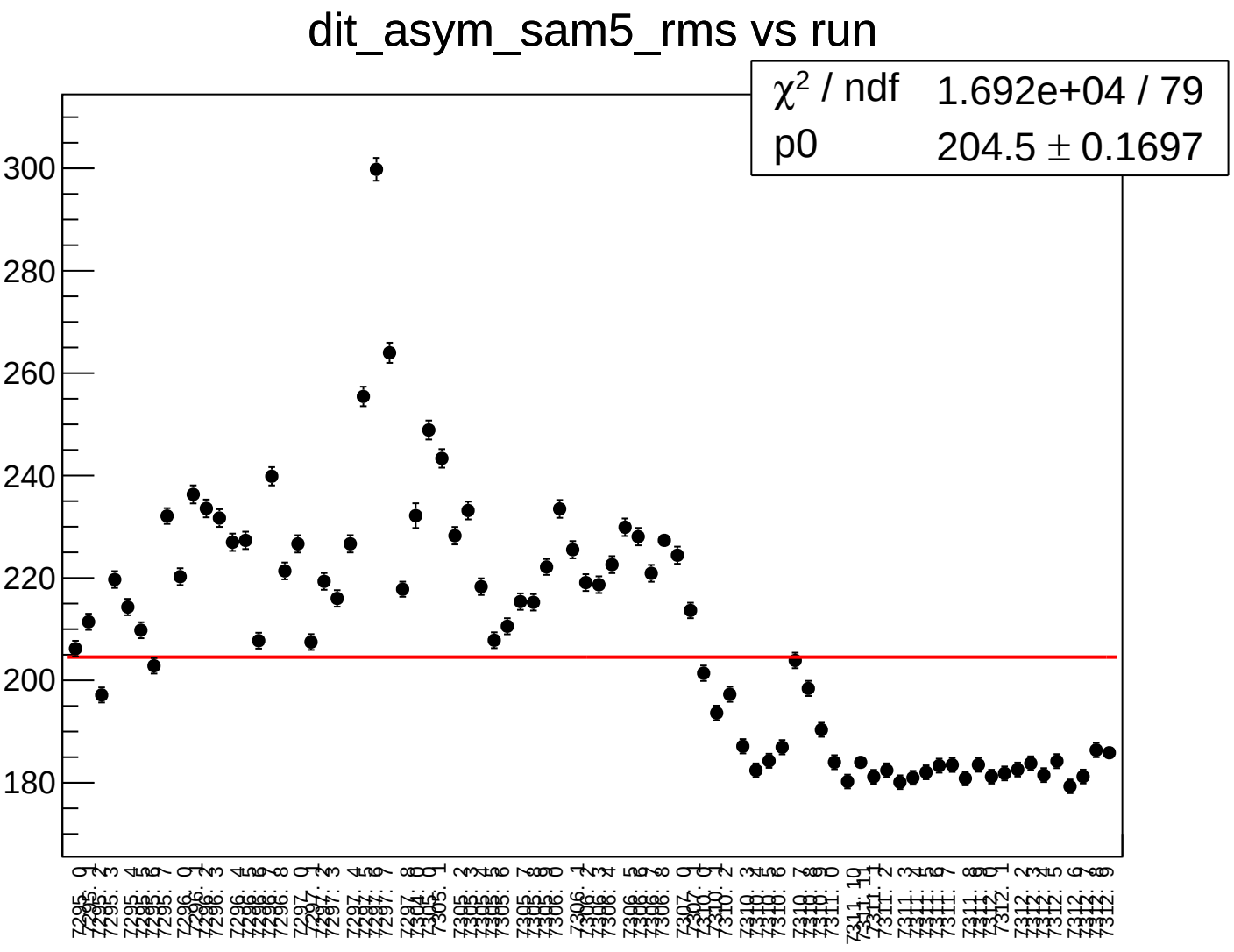

asym_sam4_mean vs run
×10^3
χ² / ndf 82.15 / 79
p0 3200 ± 2217
pull
Entries 80
Mean −318.1
Std Dev 361.3

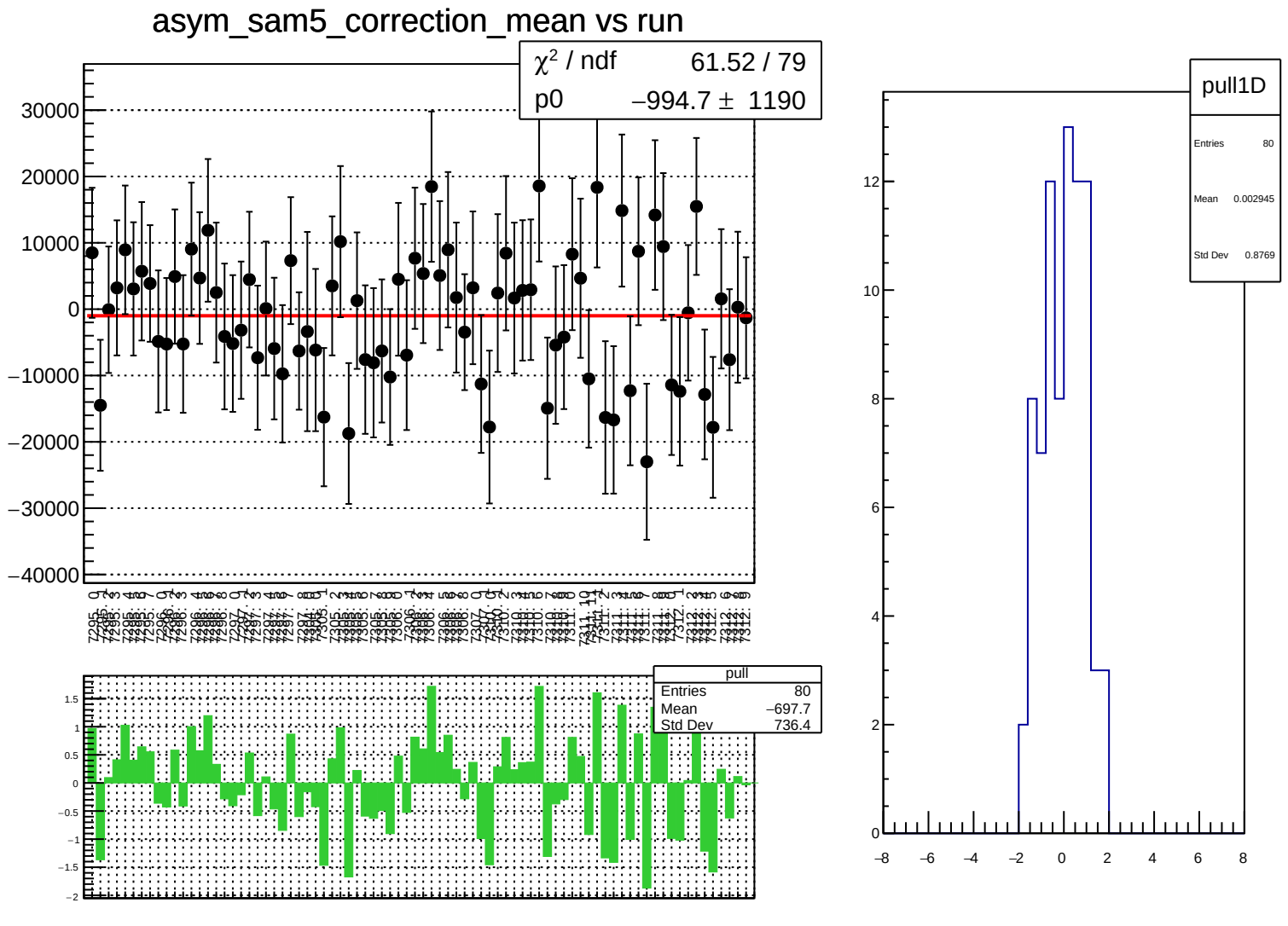

pull1D
Entries 80
Mean −0.01094
Std Dev 1.013

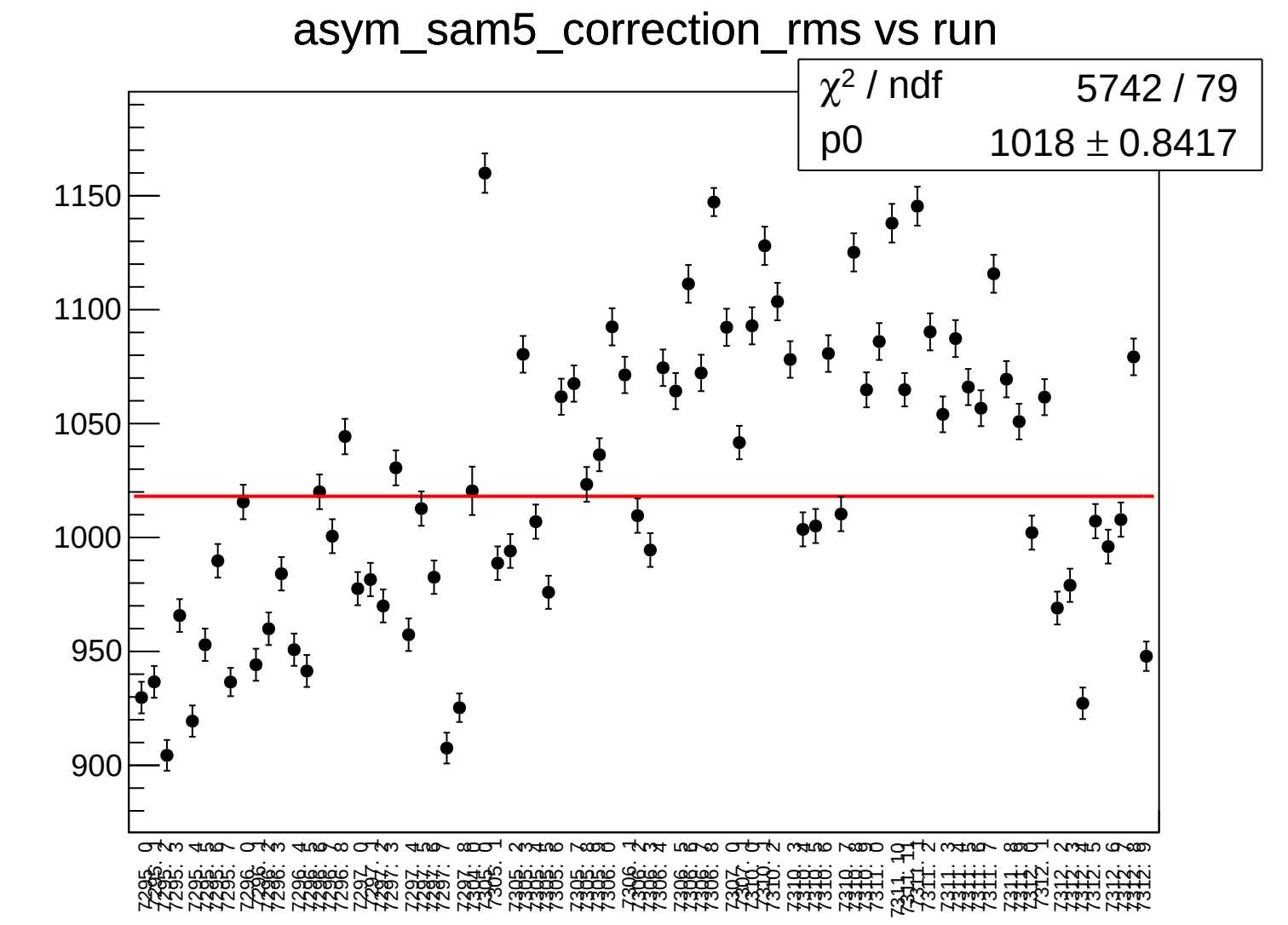

asym_sam4_rms vs run
χ^2 / ndf 8167 / 79
p0 1895 ± 1.568
2300
2200
2100
2000
1900
1800
1700
1600

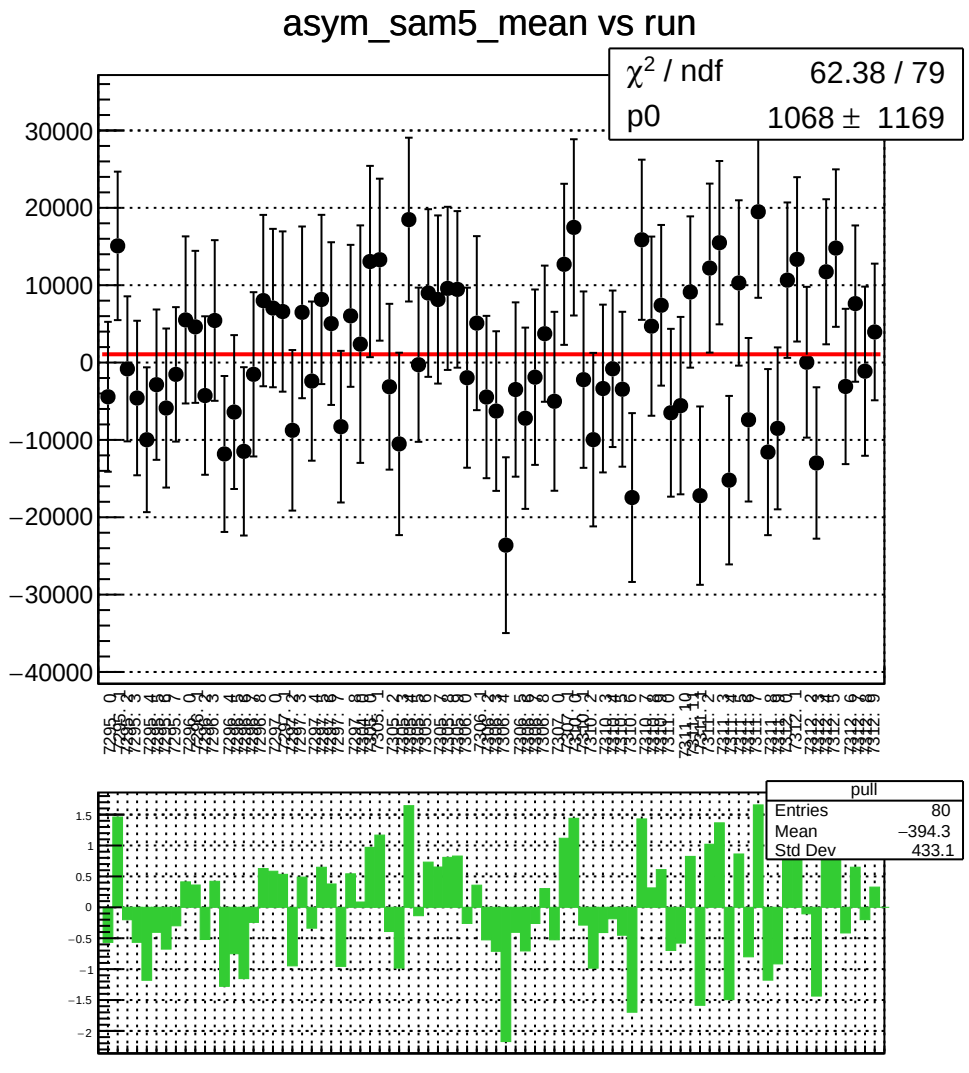

dit_asym_sam5_mean vs run
χ^2 / ndf 70.67 / 79
p0 55.07 ± 240.1
pull
Entries 80
Mean 2349
Std Dev 2308

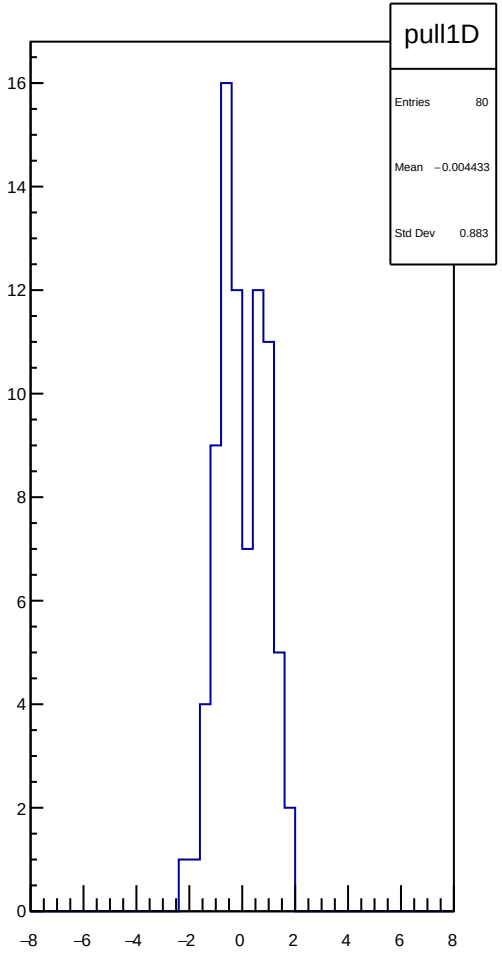

pull1D
Entries 80
Mean −0.0007821
Std Dev 0.9399

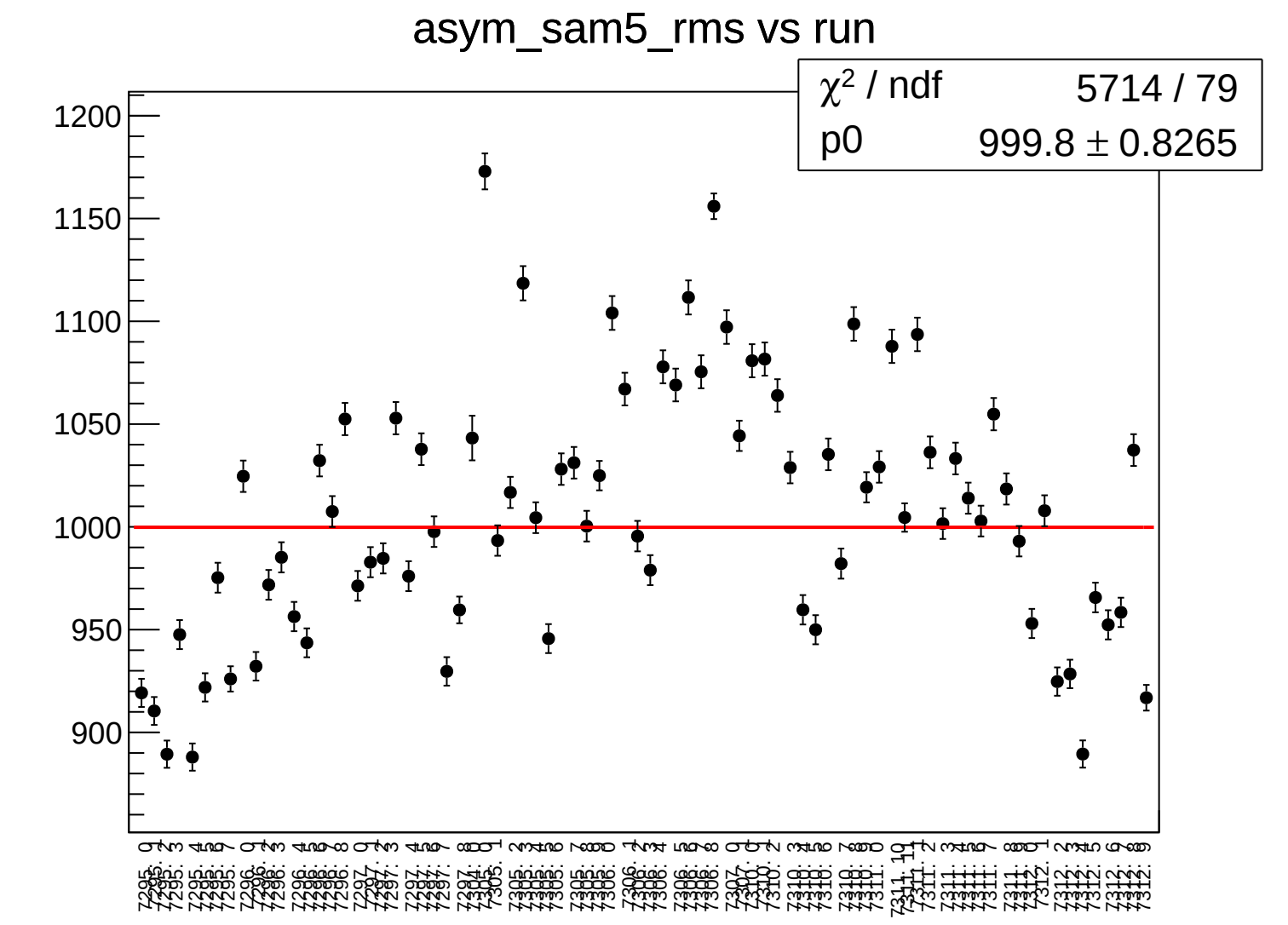

dit_asym_sam5_rms vs run
χ² / ndf 1.692e+04 / 79
p0 204.5 ± 0.1697
300
280
260
240
220
200
180

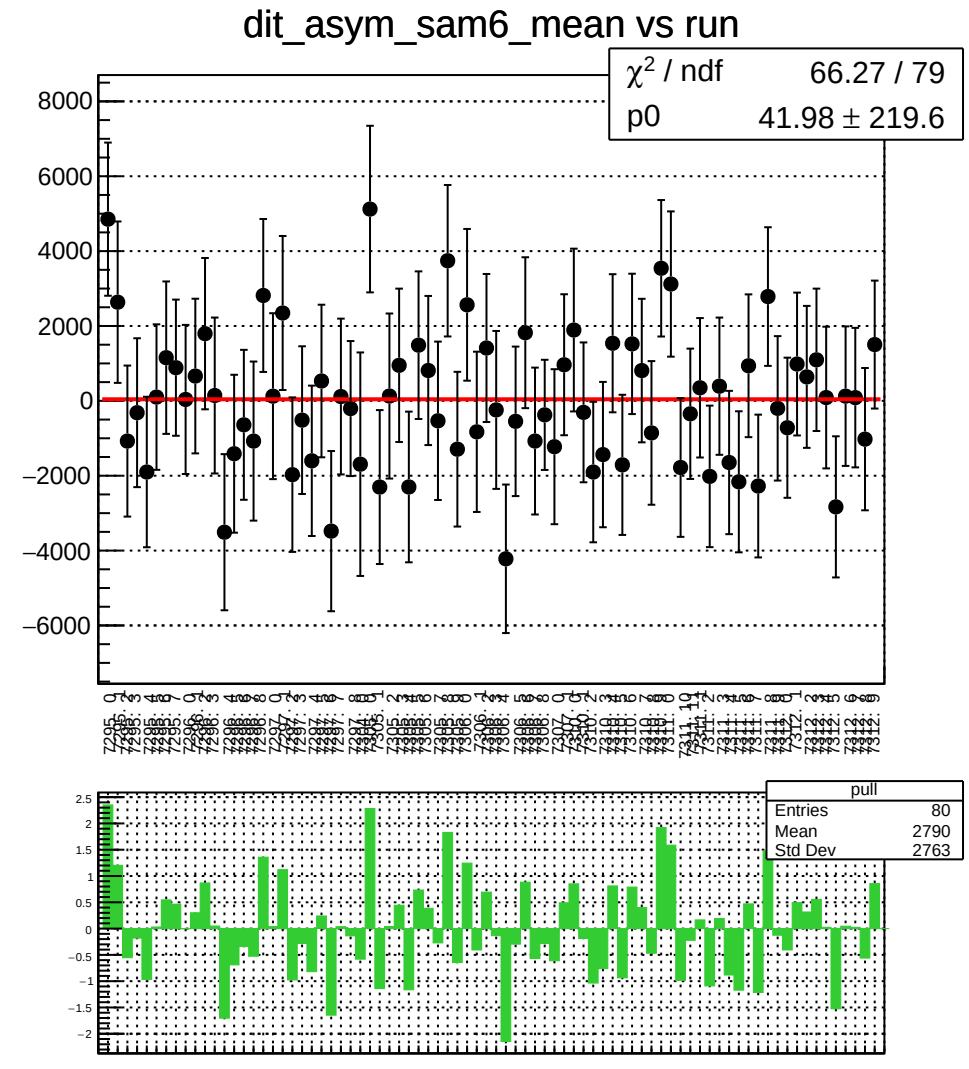

asym_sam5_correction_mean vs run
χ² / ndf 61.52 / 79
p0 −994.7 ± 1190
pull
Entries 80
Mean −697.7
Std Dev 736.4
pull1D
Entries 80
Mean 0.002945
Std Dev 0.8769

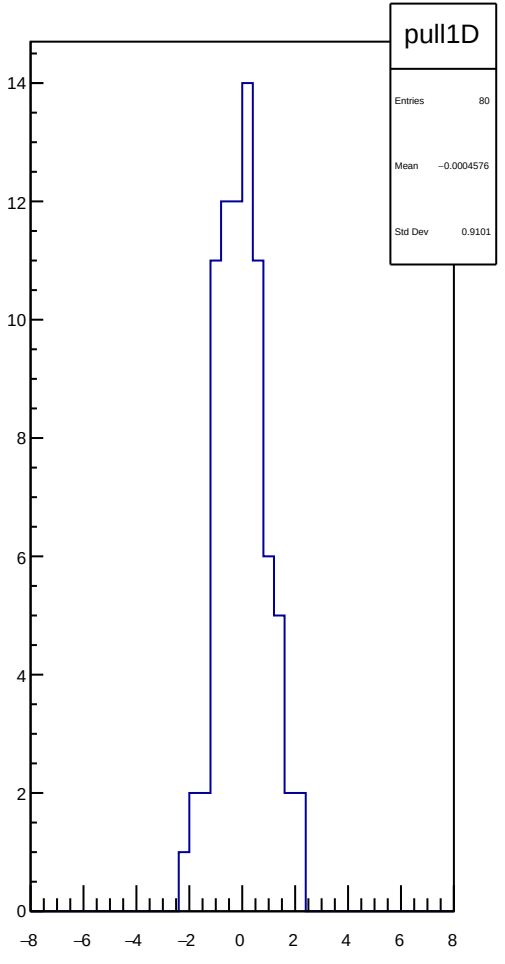

asym_sam5_correction_rms vs run
χ² / ndf 5742 / 79
p0 1018 ± 0.8417
1150
1100
1050
1000
950
900

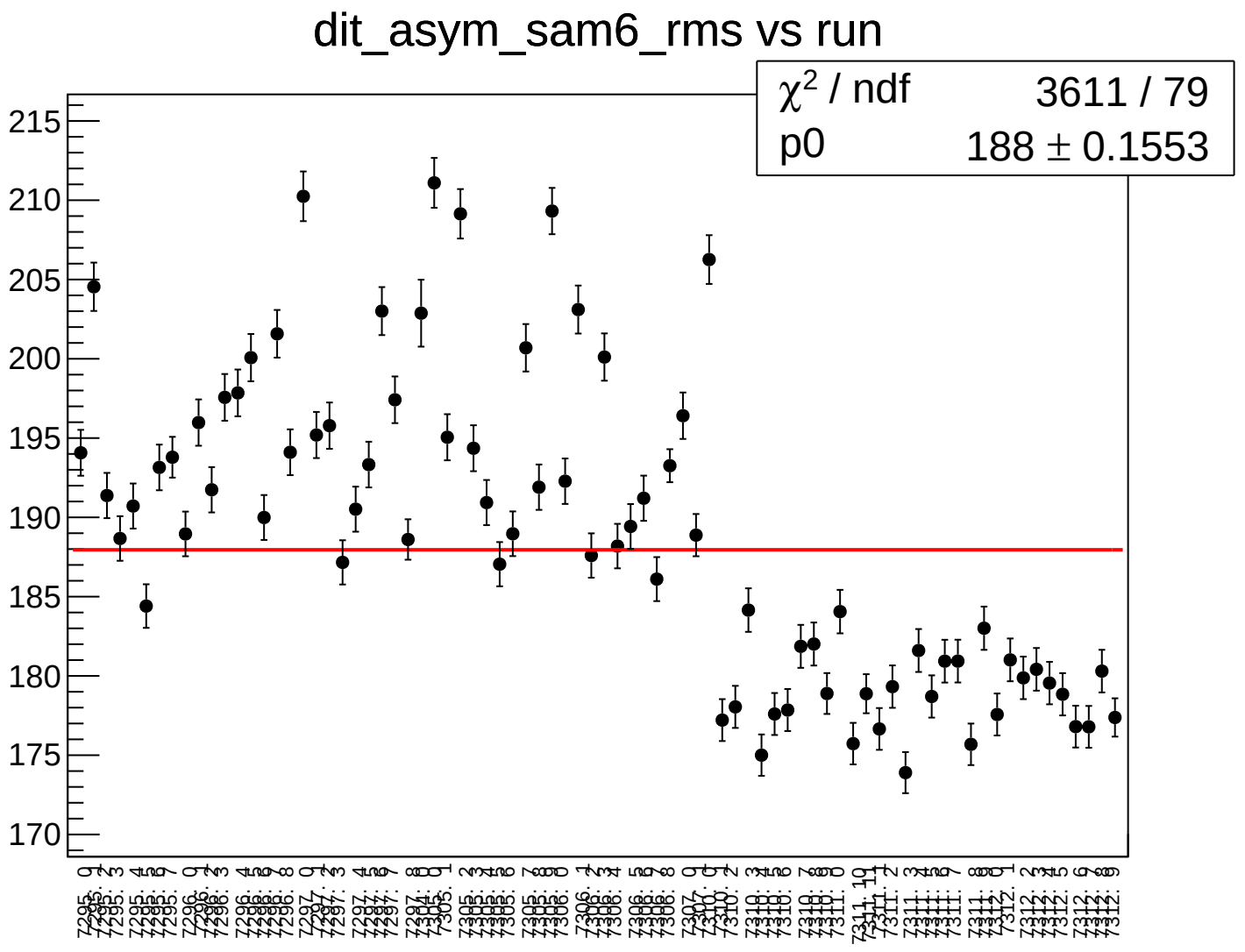

asym_sam5_mean vs run
χ^2 / ndf 62.38 / 79
p0 1068 ± 1169
pull
Entries 80
Mean −394.3
Std Dev 433.1

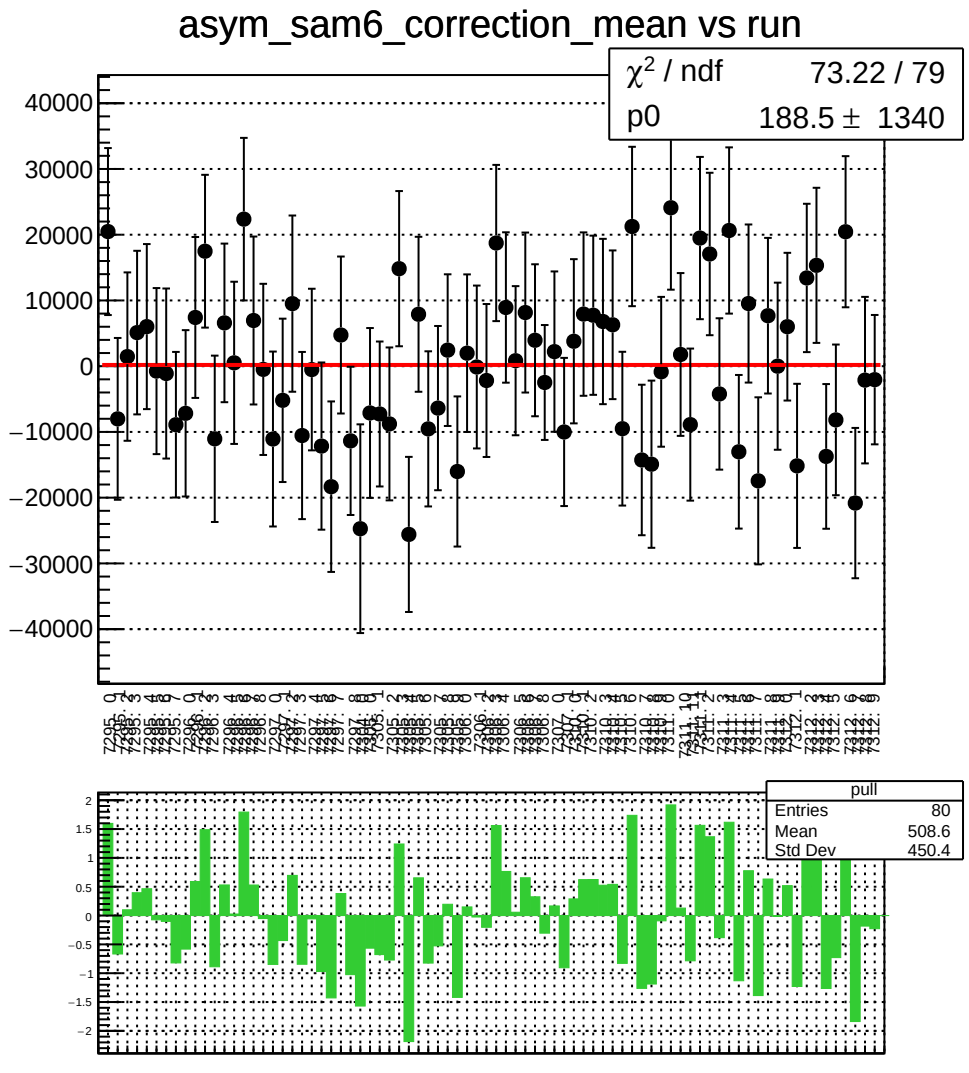

pull1D
Entries 80
Mean −0.004433
Std Dev 0.883

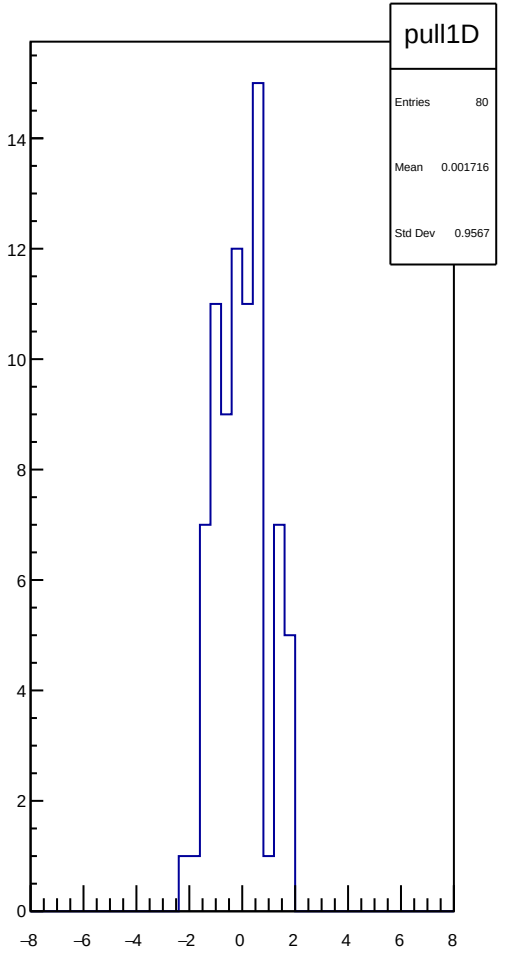

asym_sam5_rms vs run
χ² / ndf 5714 / 79
p0 999.8 ± 0.8265
1200
1150
1100
1050
1000
950
900

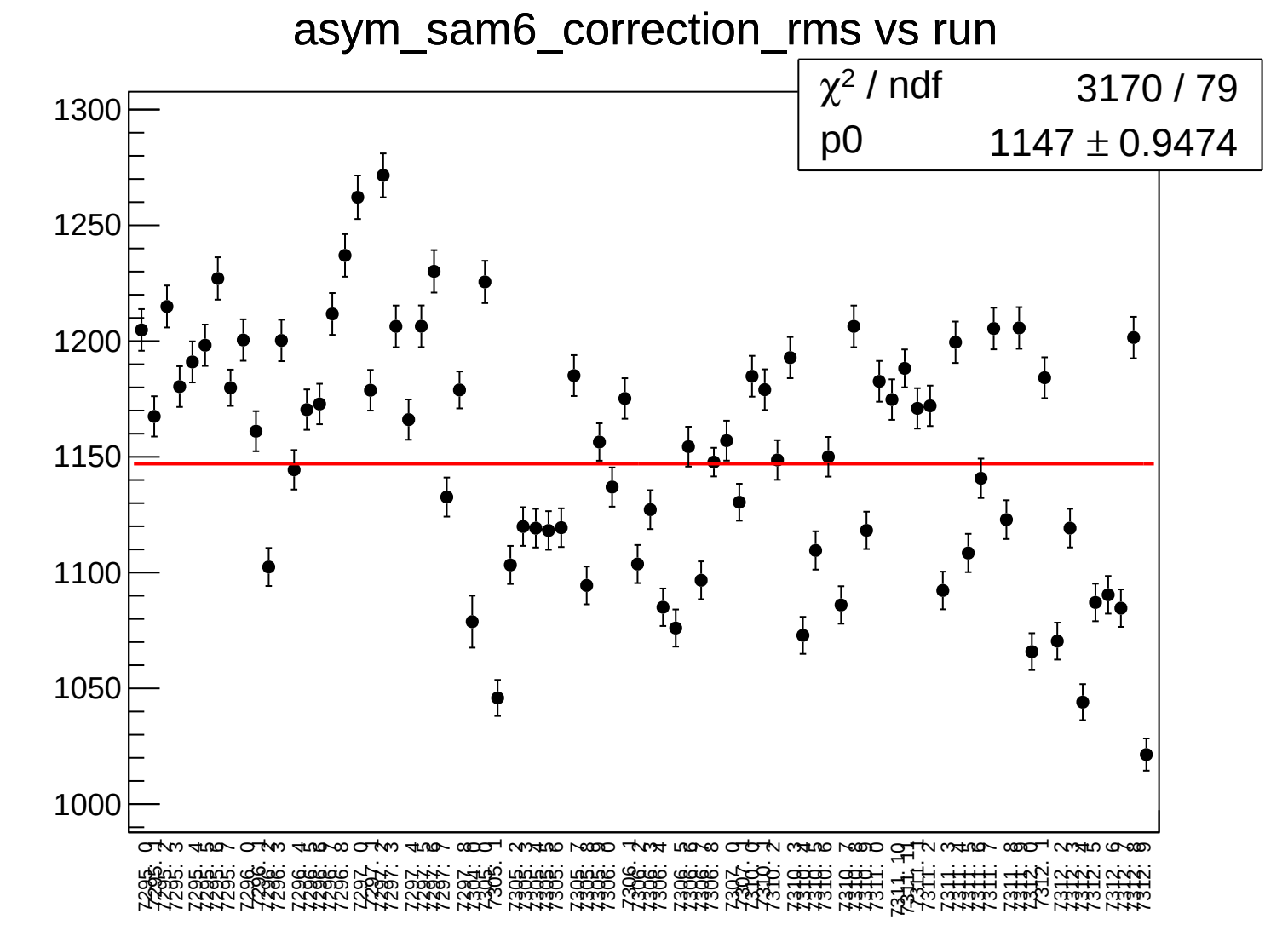

dit_asym_sam6_mean vs run
χ^2 / ndf 66.27 / 79
p0 41.98 ± 219.6
pull
Entries 80
Mean 2790
Std Dev 2763

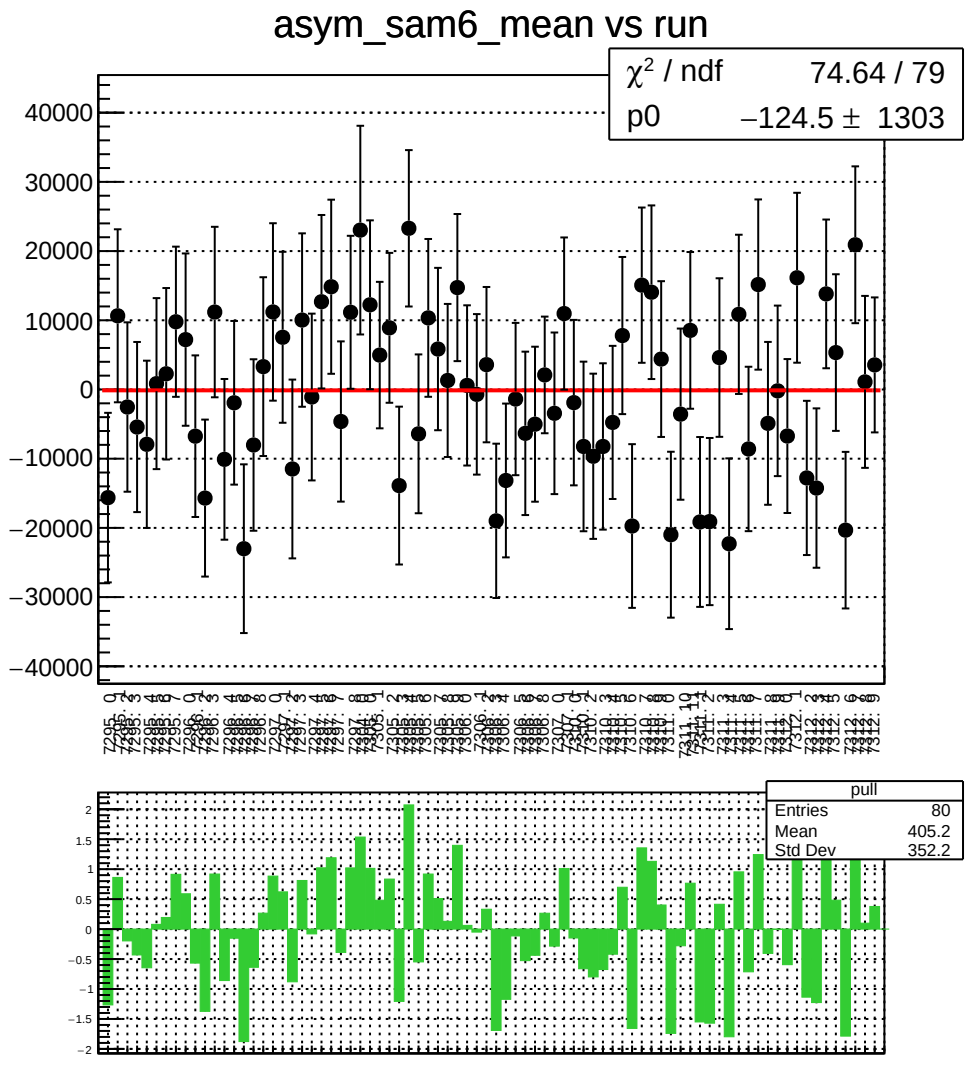

pull1D
Entries 80
Mean −0.0004576
Std Dev 0.9101

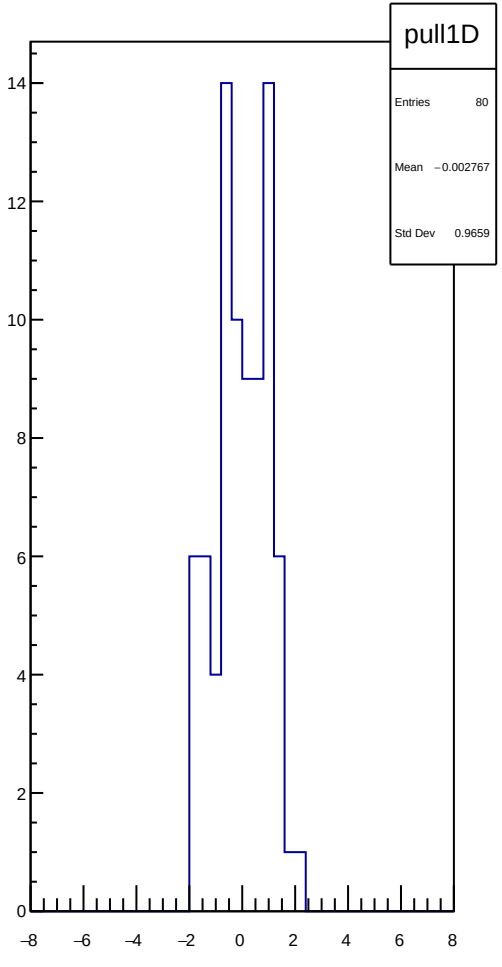

dit_asym_sam6_rms vs run
χ^2 / ndf 3611 / 79
p0 188 ± 0.1553
215
210
205
200
195
190
185
180
175
170

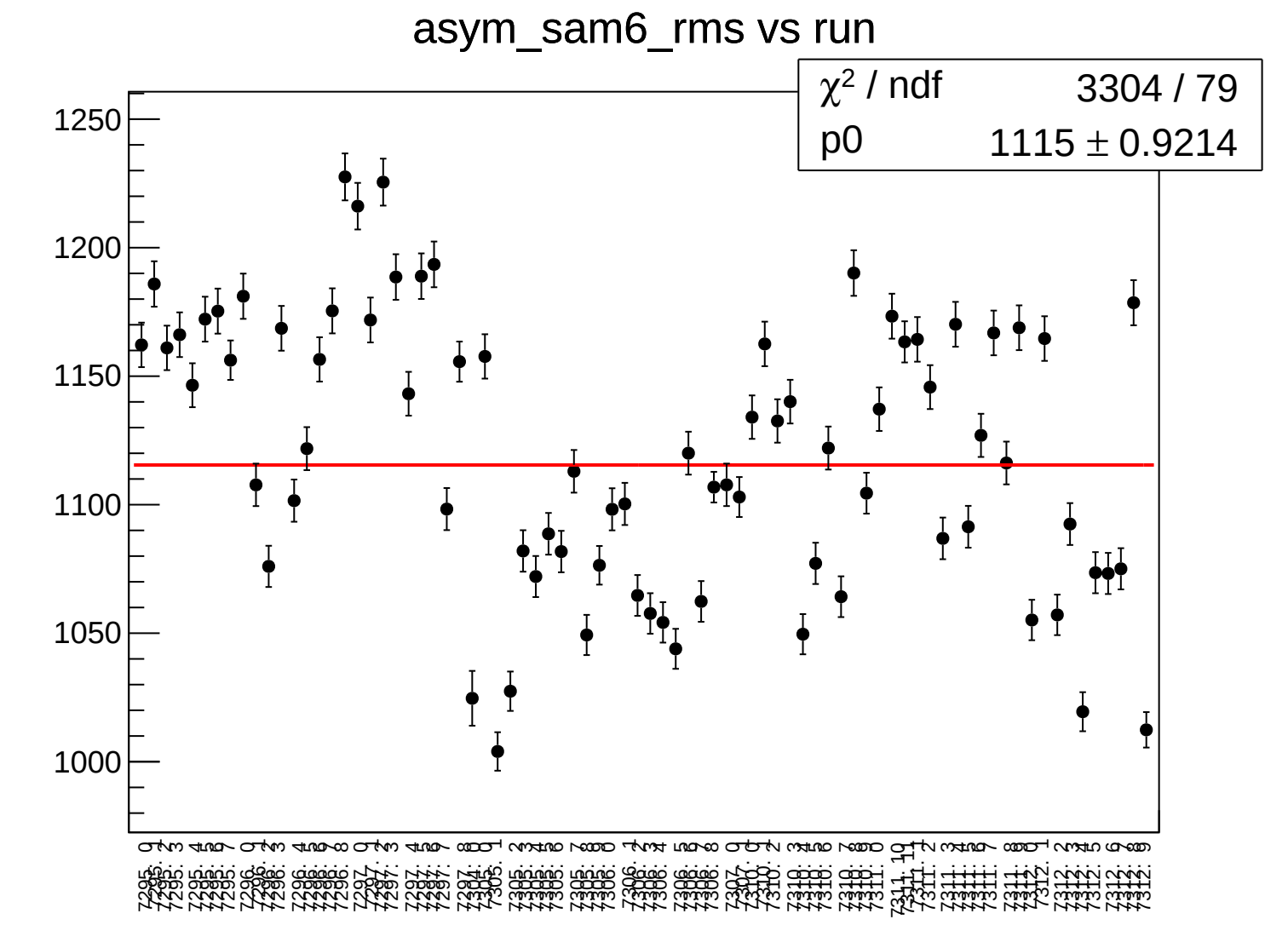

asym_sam6_correction_mean vs run
χ² / ndf 73.22 / 79
p0 188.5 ± 1340
pull
Entries 80
Mean 508.6
Std Dev 450.4

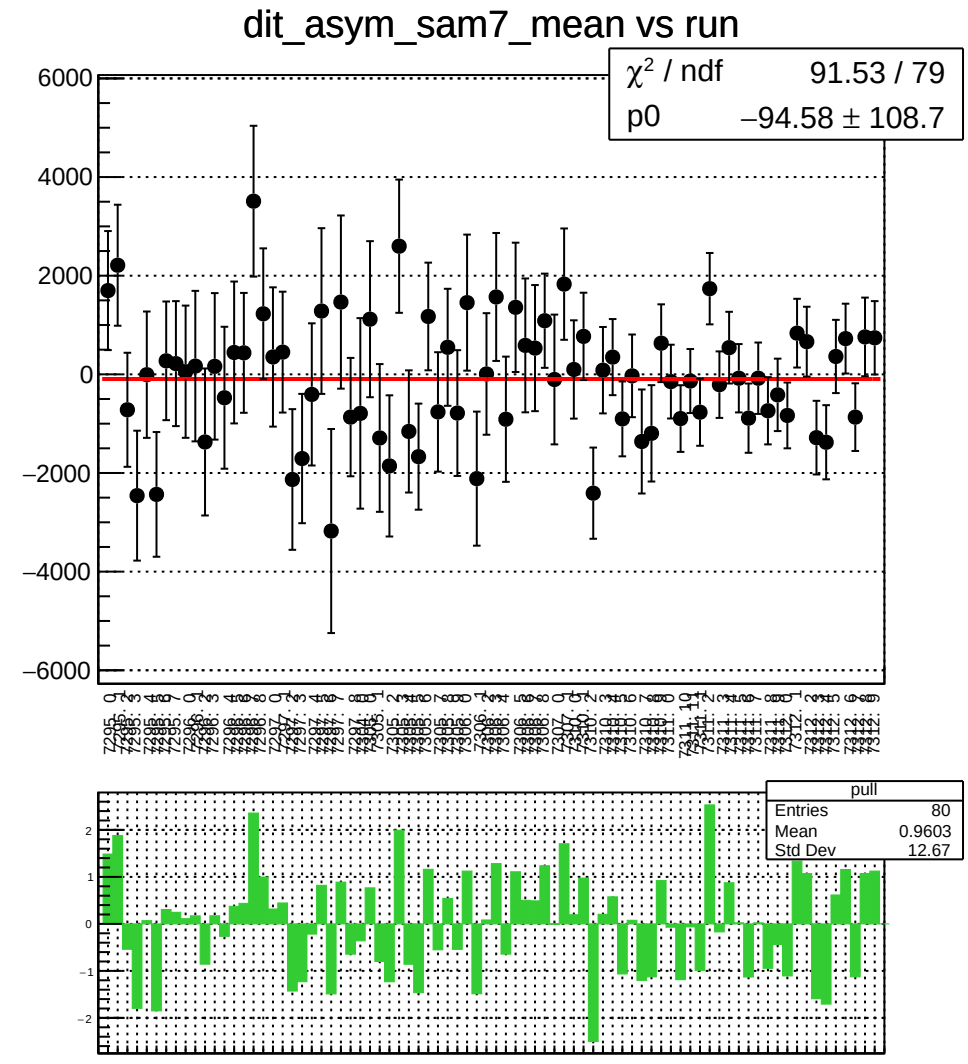

pull1D
Entries 80
Mean 0.001716
Std Dev 0.9567

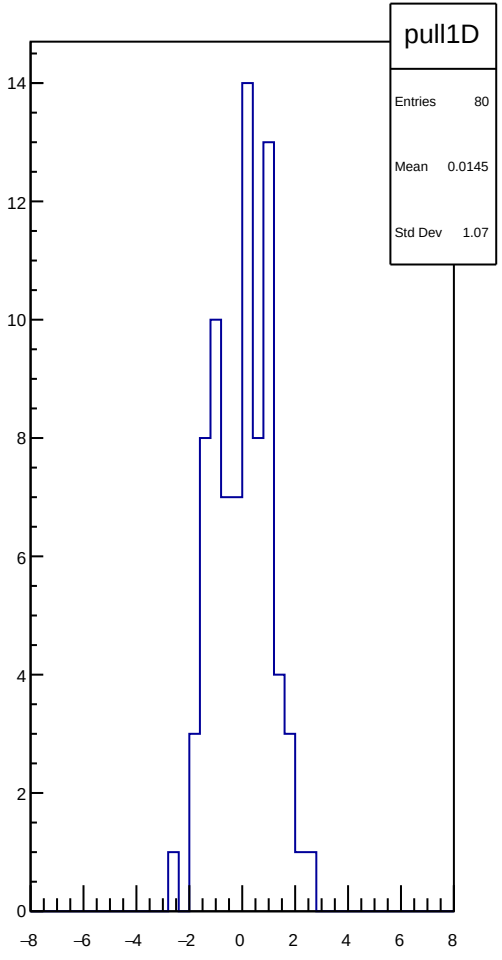

asym_sam6_correction_rms vs run
χ² / ndf 3170 / 79
p0 1147 ± 0.9474
1300
1250
1200
1150
1100
1050
1000

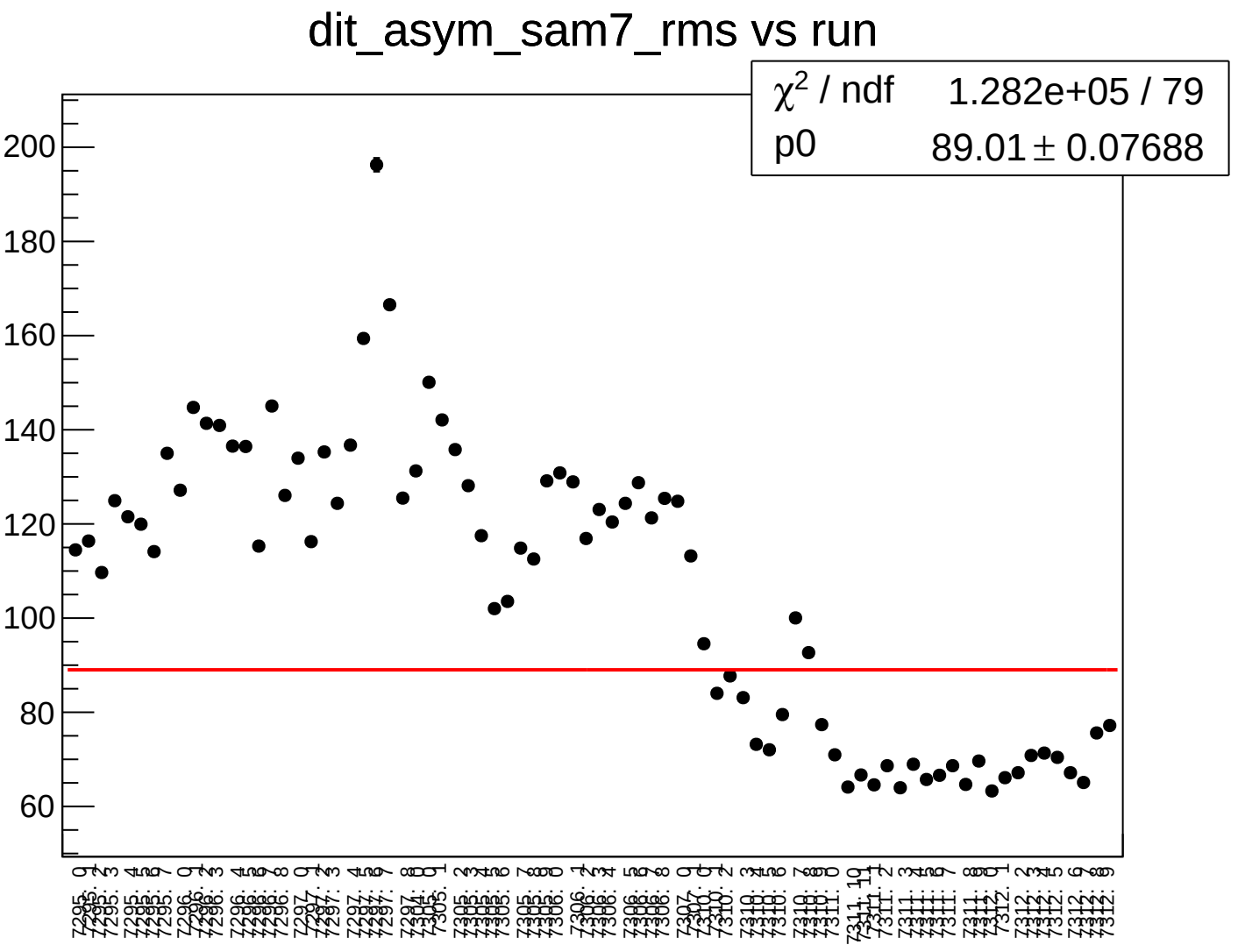

asym_sam6_mean vs run
χ² / ndf 74.64 / 79
p0 −124.5 ± 1303
pull
Entries 80
Mean 405.2
Std Dev 352.2

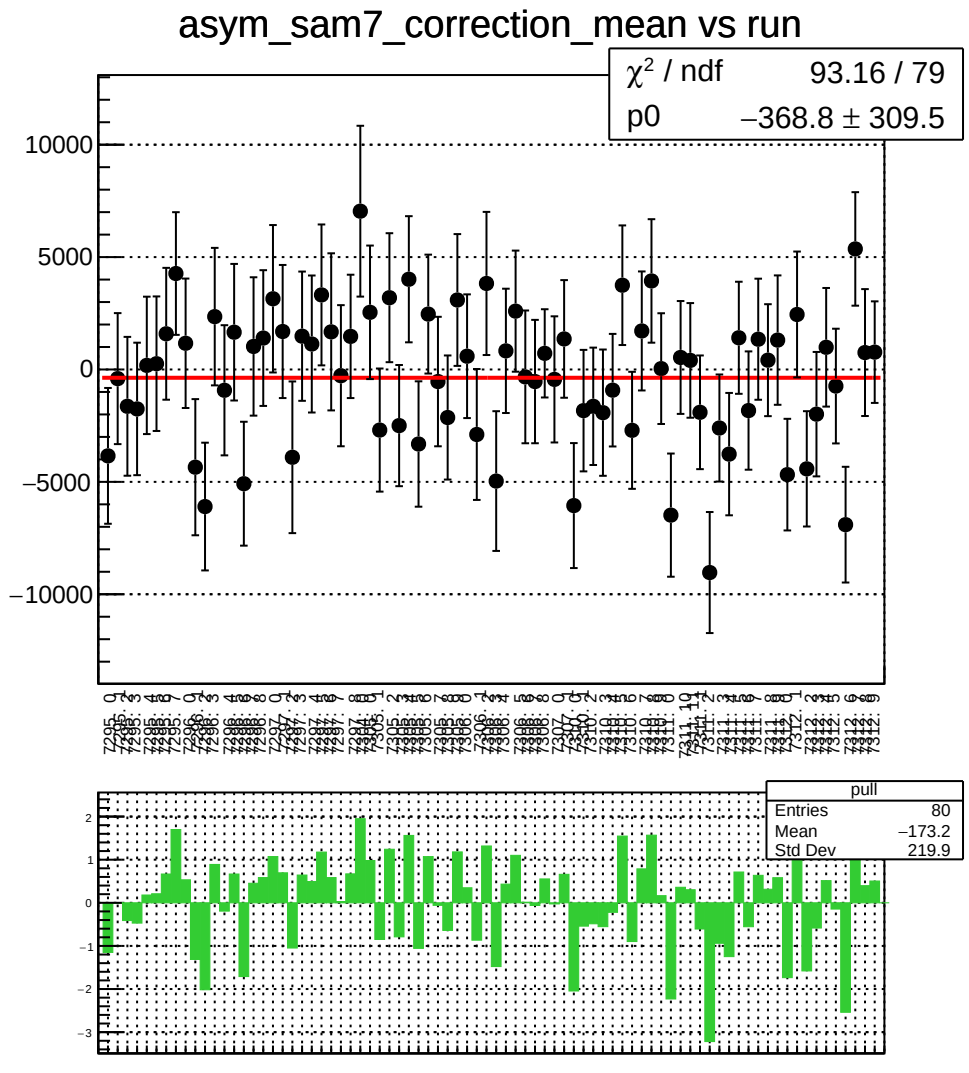

pull1D
Entries 80
Mean −0.002767
Std Dev 0.9659

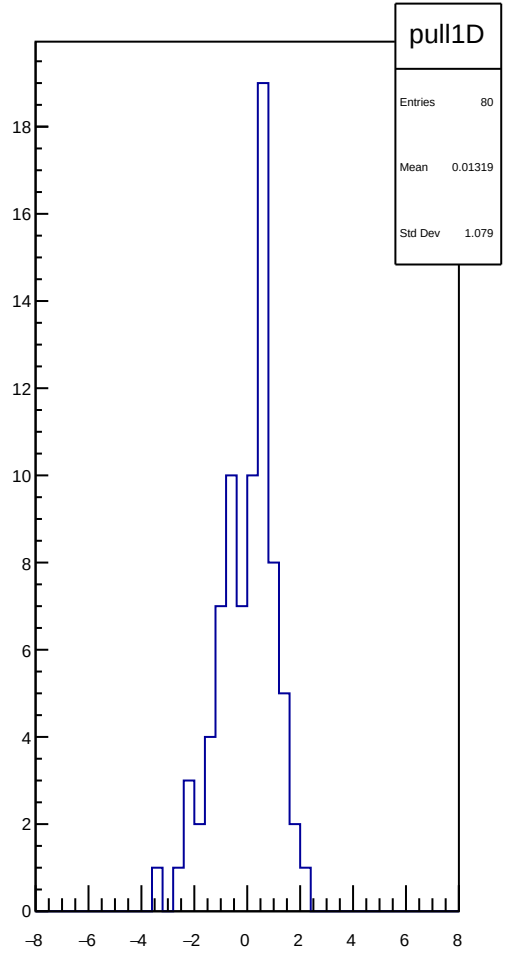

asym_sam6_rms vs run
χ² / ndf 3304 / 79
p0 1115 ± 0.9214
1250
1200
1150
1100
1050
1000

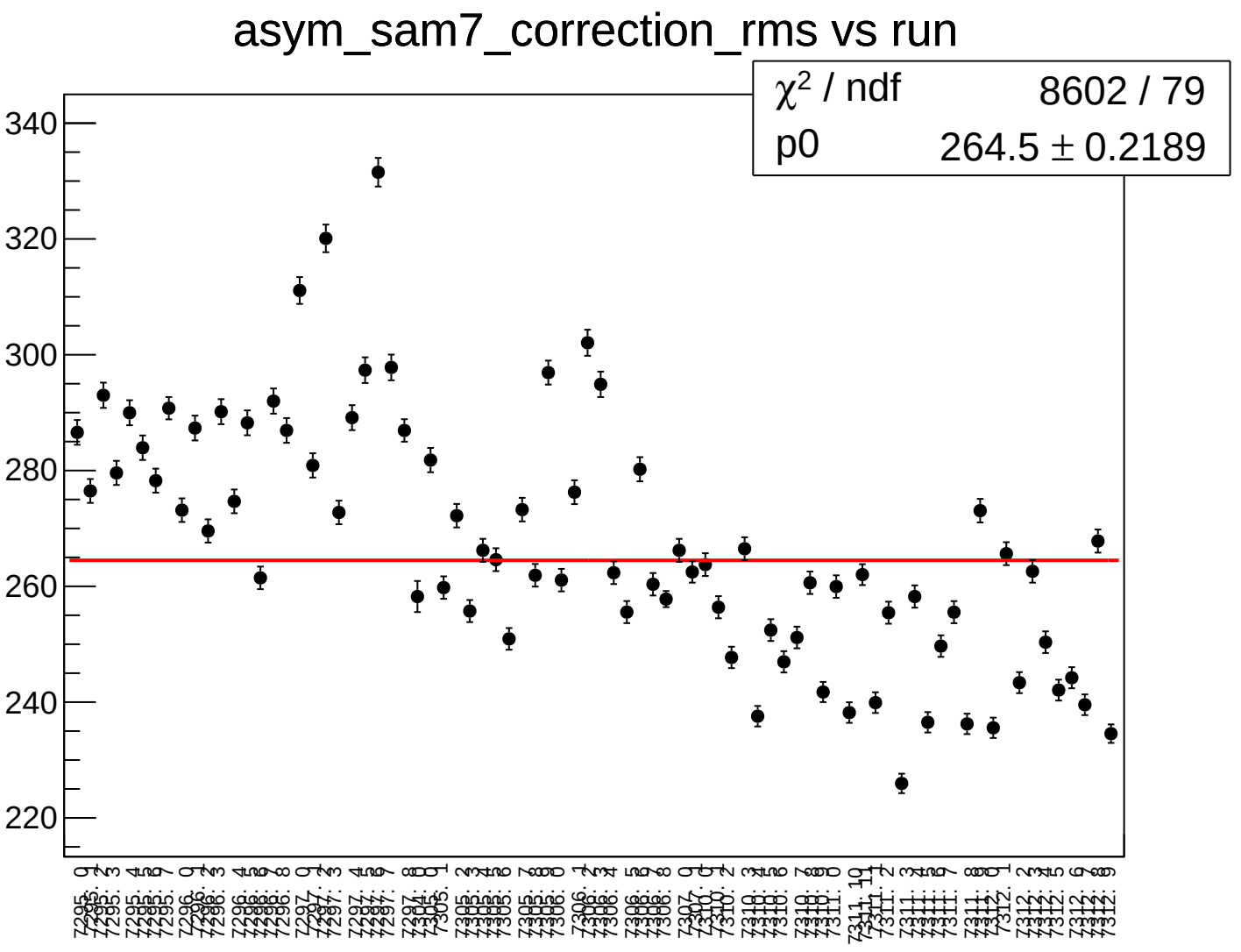

dit_asym_sam7_mean vs run
χ² / ndf 91.53 / 79
p0 −94.58 ± 108.7
pull
Entries 80
Mean 0.9603
Std Dev 12.67

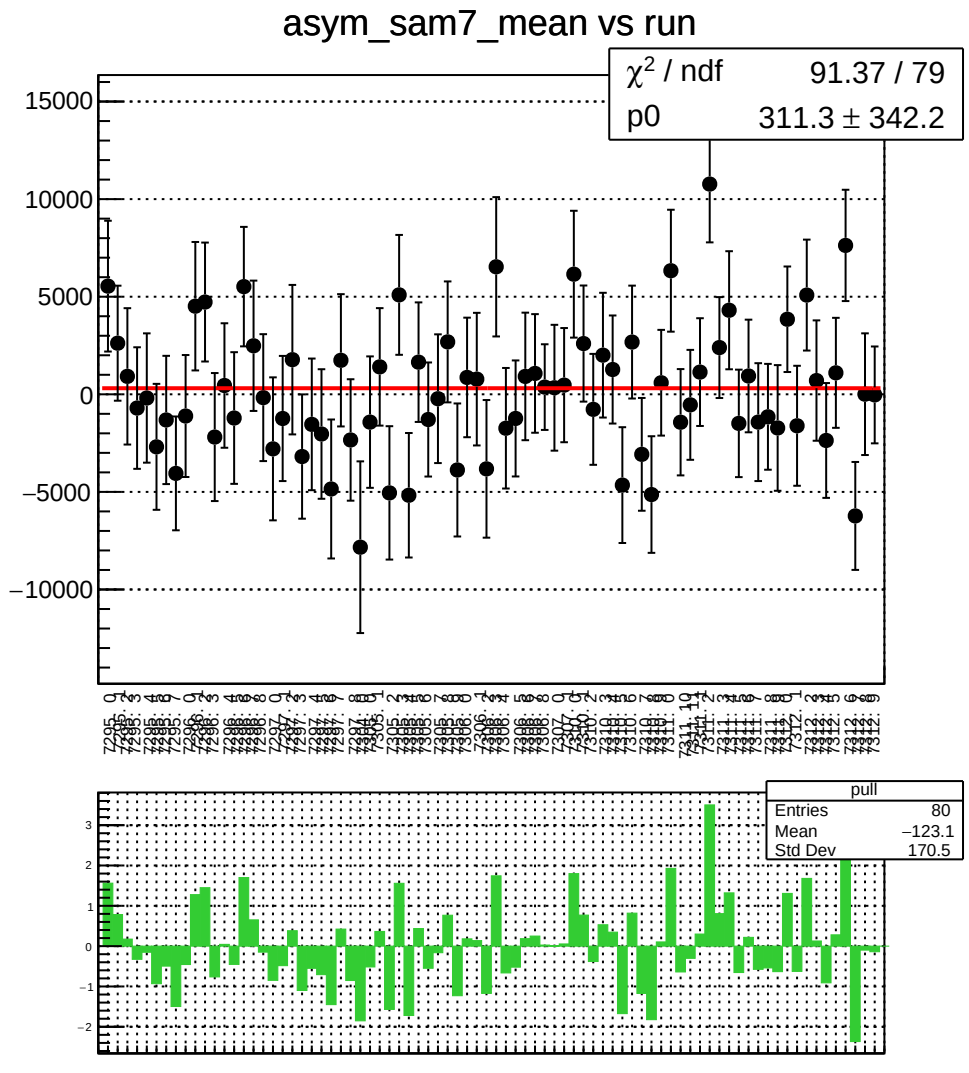

pull1D
Entries 80
Mean 0.0145
Std Dev 1.07

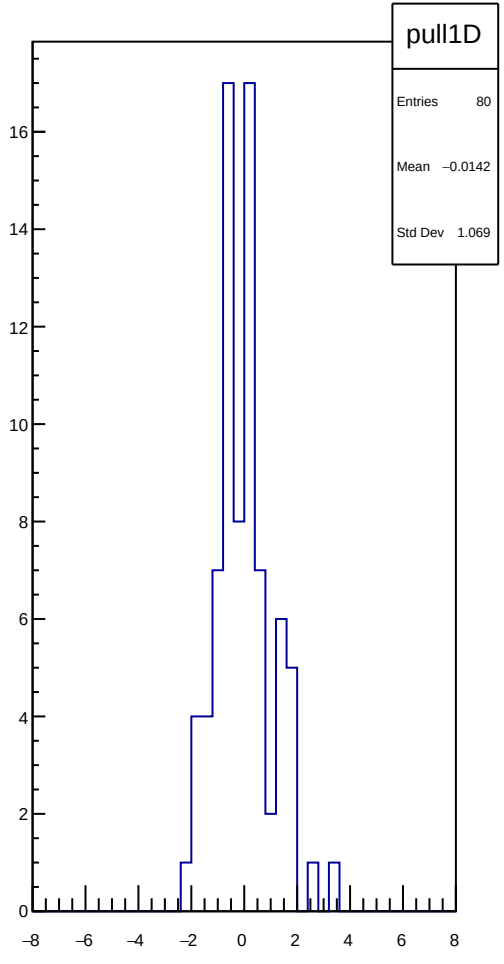

dit_asym_sam7_rms vs run
χ^2 / ndf 1.282e+05 / 79
p0 89.01 ± 0.07688
200
180
160
140
120
100
80
60

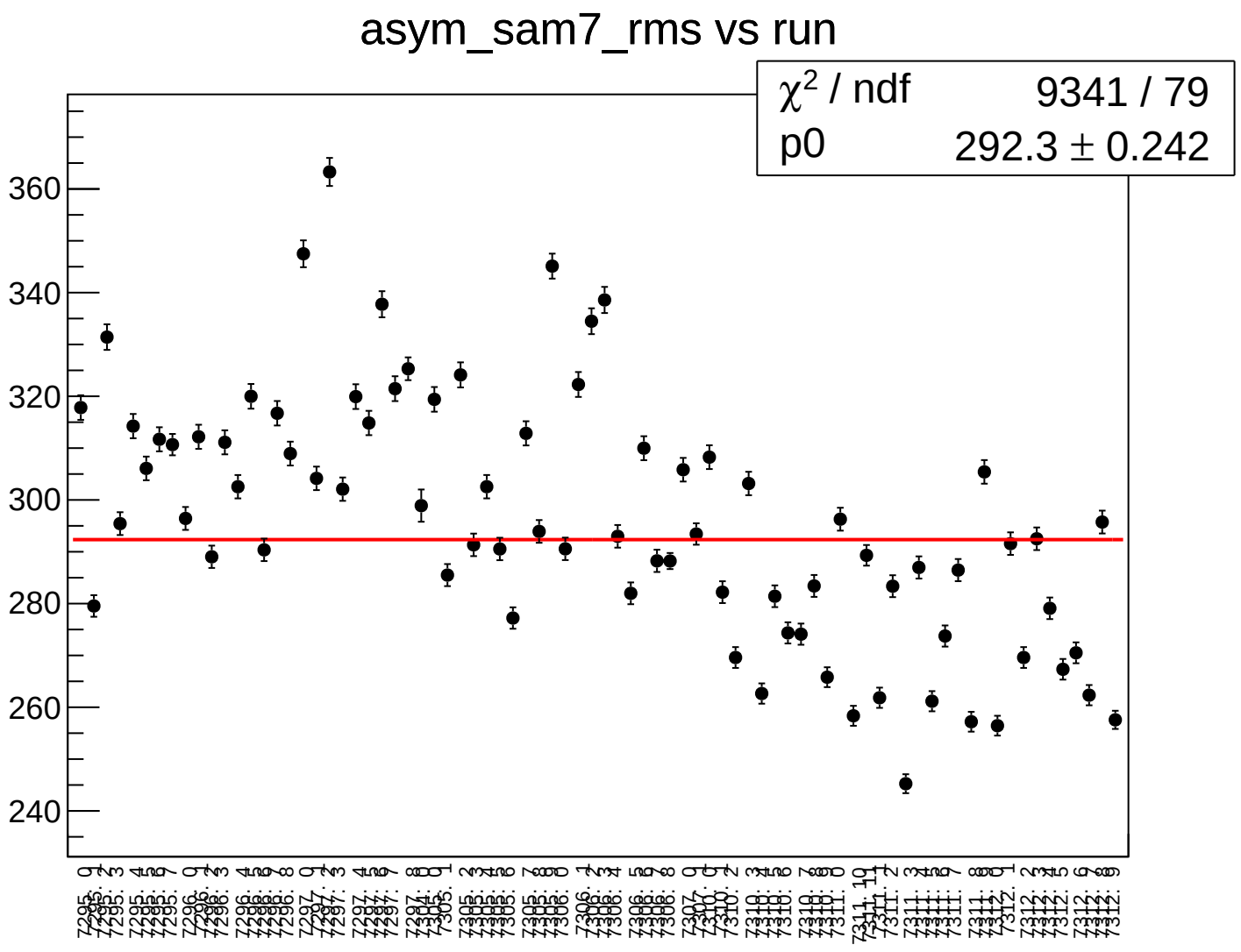

asym_sam7_correction_mean vs run
χ² / ndf 93.16 / 79
p0 −368.8 ± 309.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −173.2
Std Dev 219.9
2
1
0
−1
−2
−3

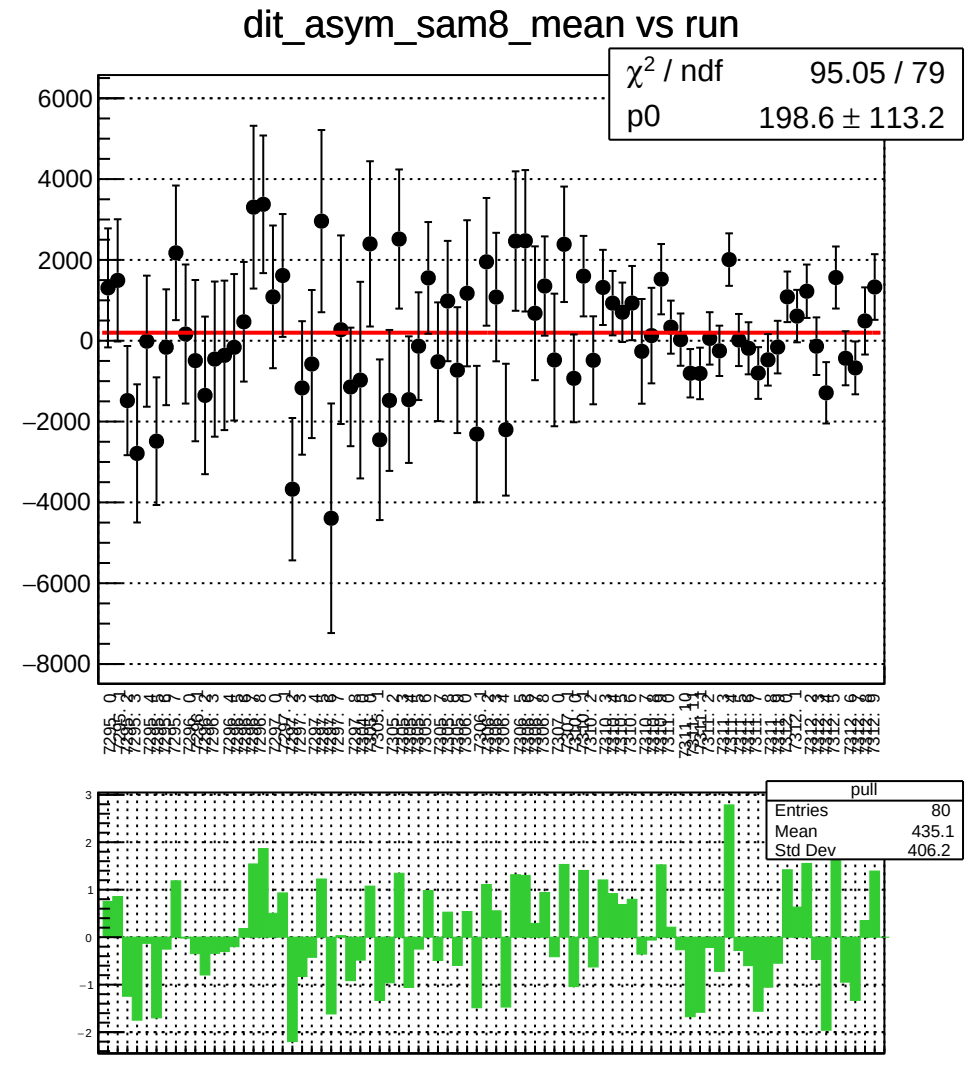

pull1D
Entries 80
Mean 0.01319
Std Dev 1.079
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

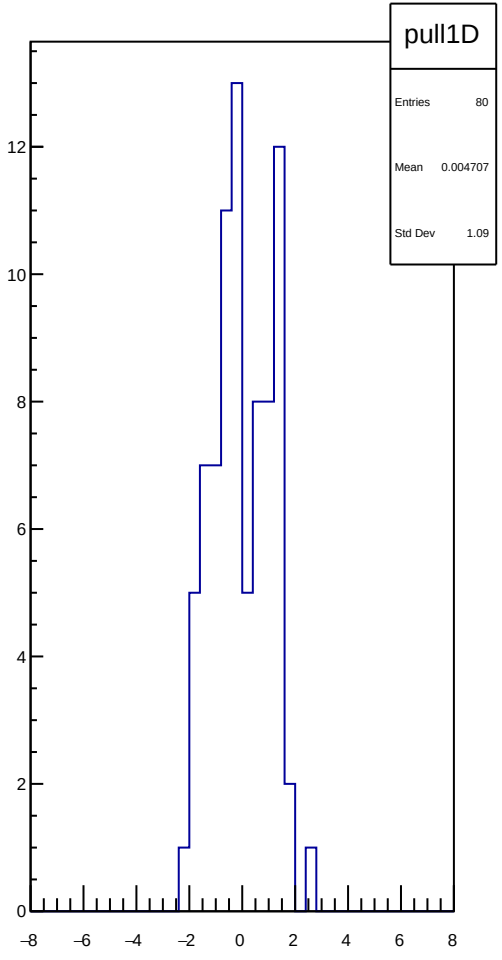

asym_sam7_correction_rms vs run
χ² / ndf 8602 / 79
p0 264.5 ± 0.2189
340
320
300
280
260
240
220

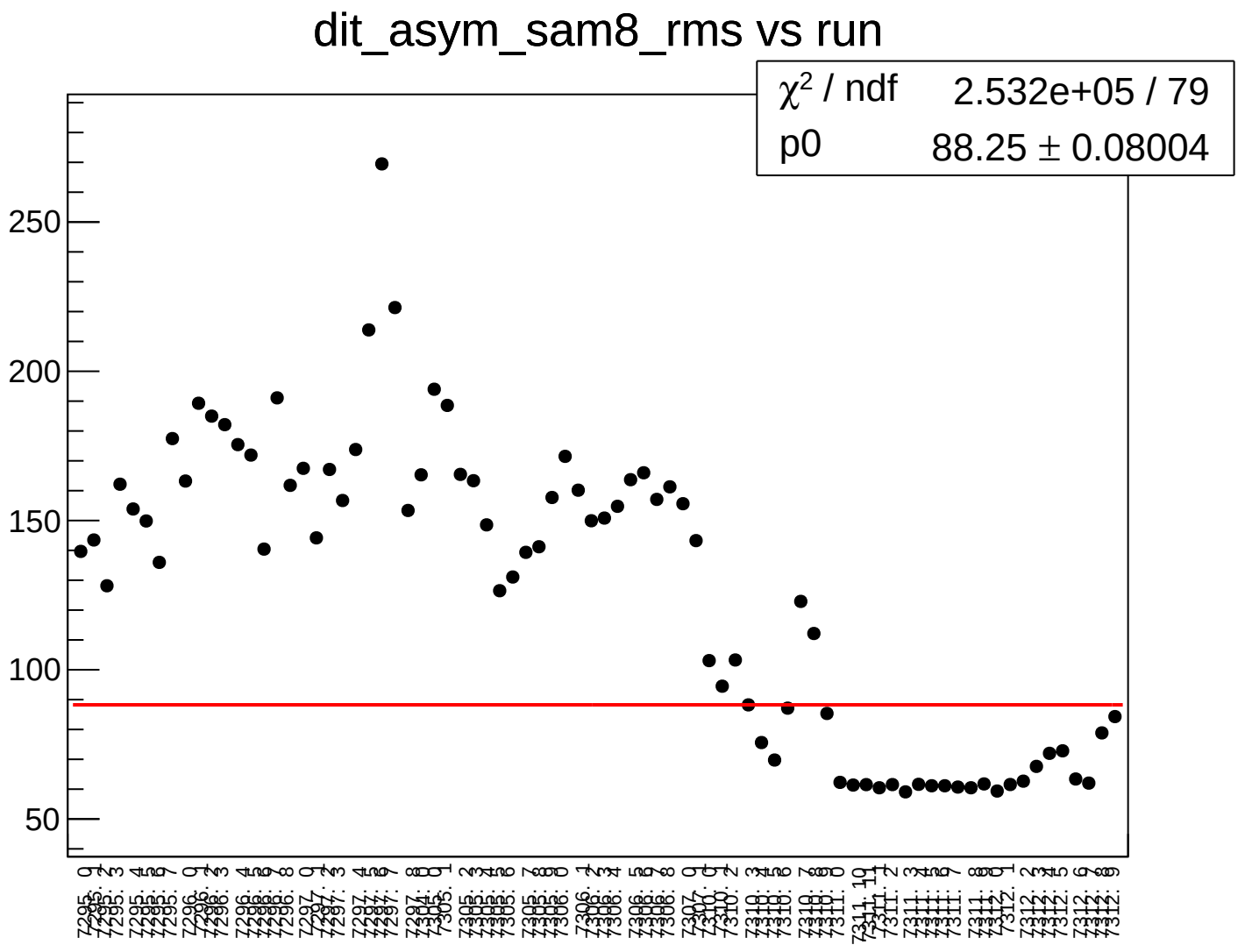

asym_sam7_mean vs run
χ² / ndf 91.37 / 79
p0 311.3 ± 342.2
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −123.1
Std Dev 170.5
3
2
1
0
−1
−2

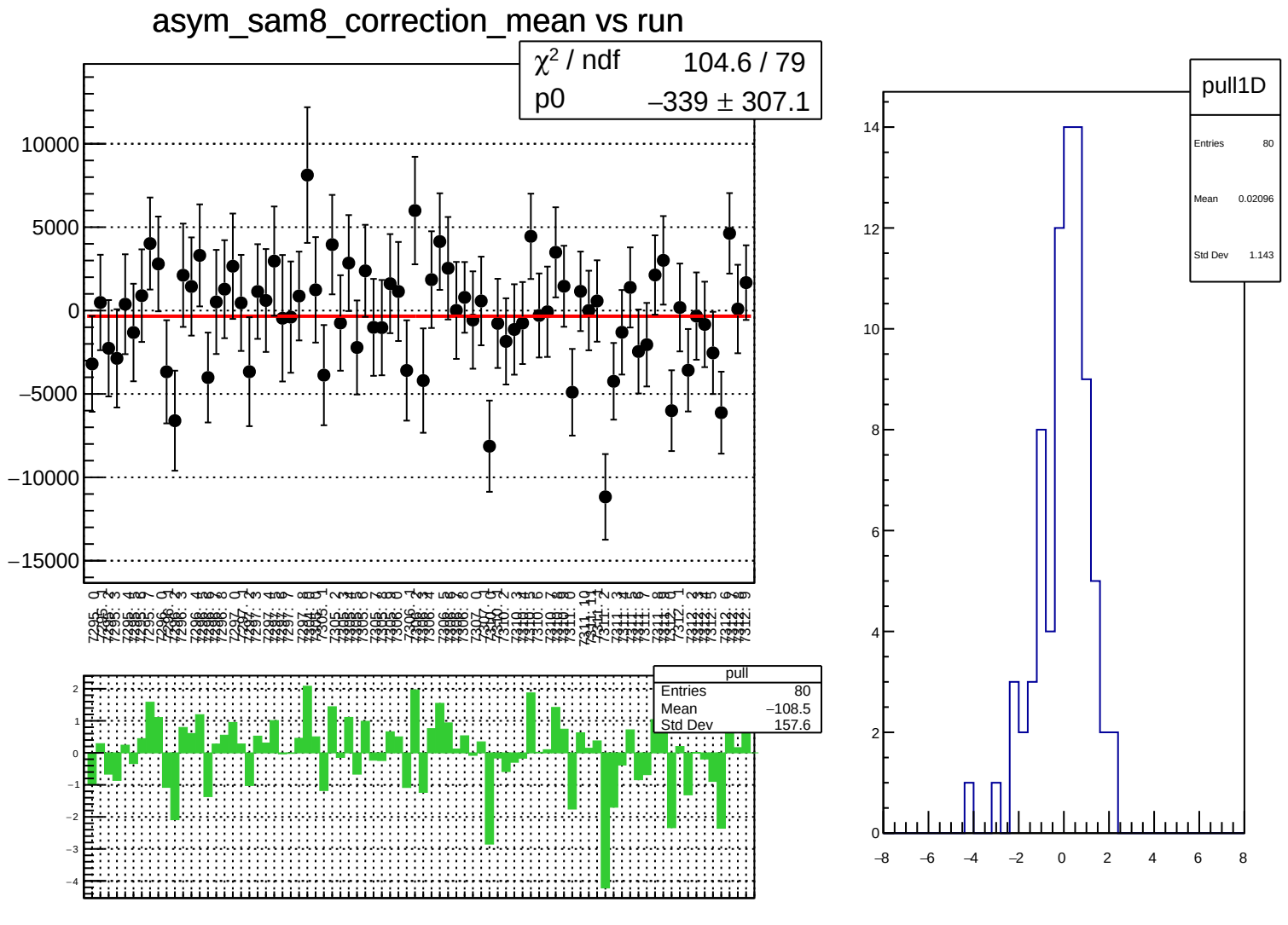

pull1D
Entries 80
Mean −0.0142
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

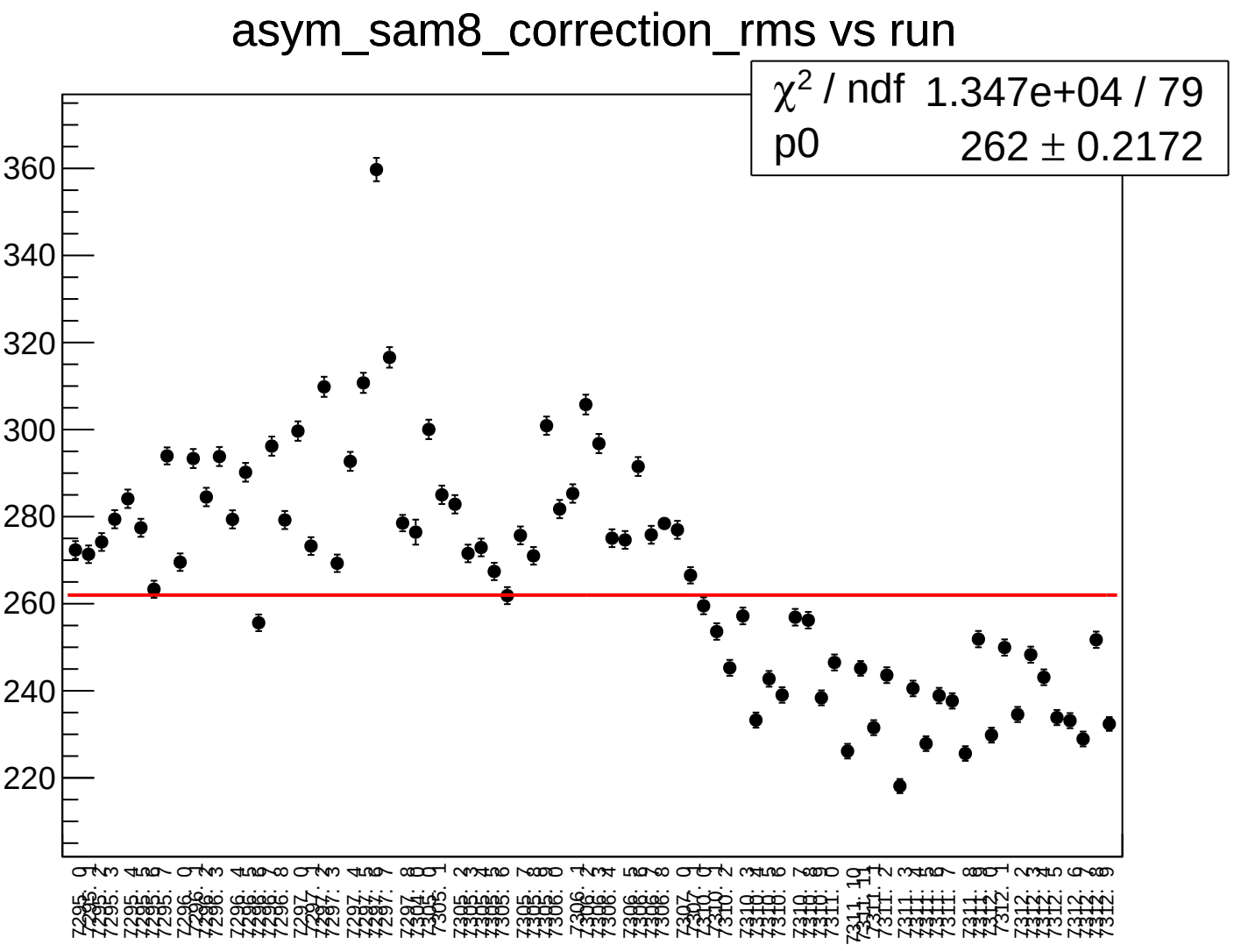

asym_sam7_rms vs run
χ^2 / ndf 9341 / 79
p0 292.3 ± 0.242
360
340
320
300
280
260
240

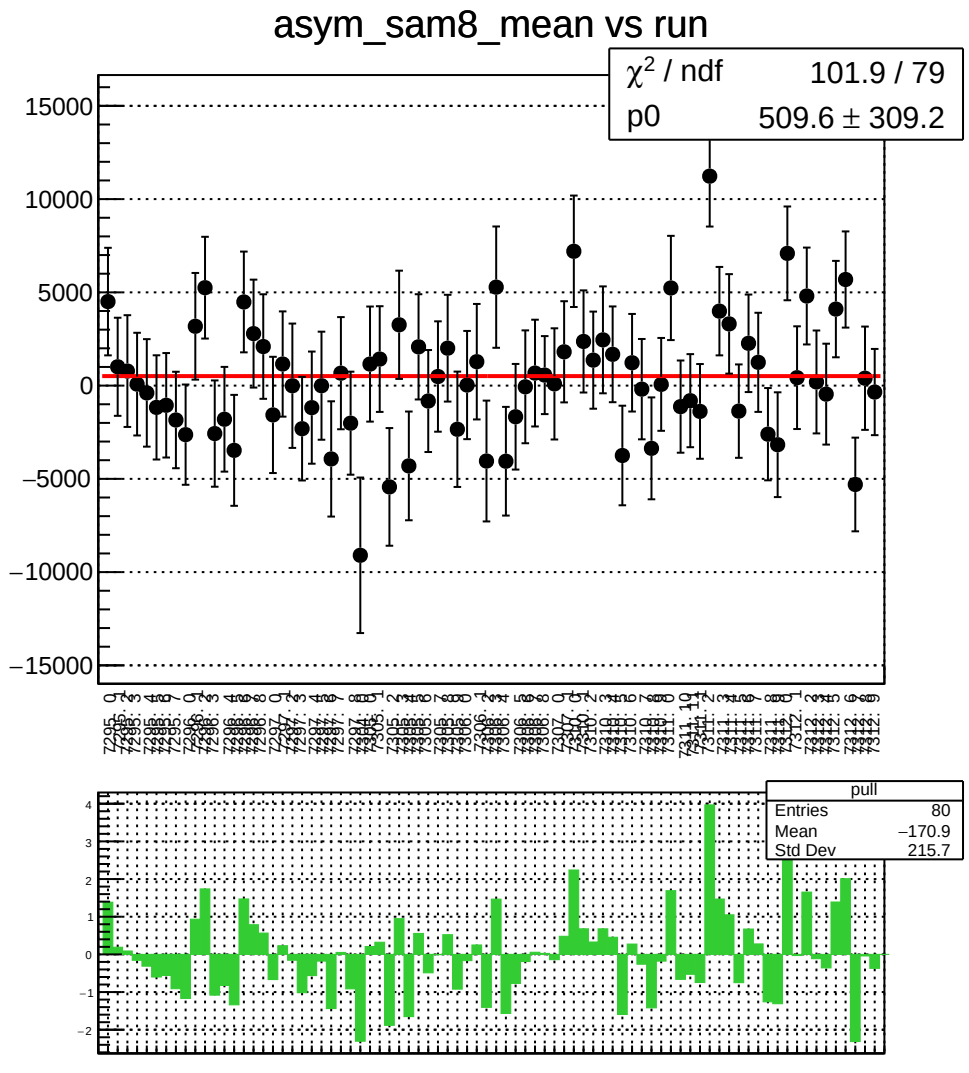

dit_asym_sam8_mean vs run
χ² / ndf 95.05 / 79
p0 198.6 ± 113.2
pull
Entries 80
Mean 435.1
Std Dev 406.2

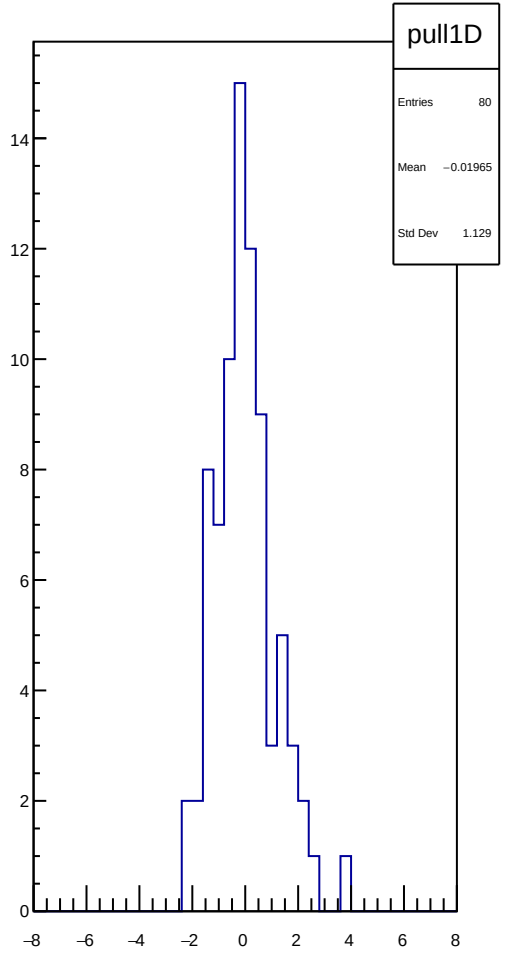

pull1D
Entries 80
Mean 0.004707
Std Dev 1.09

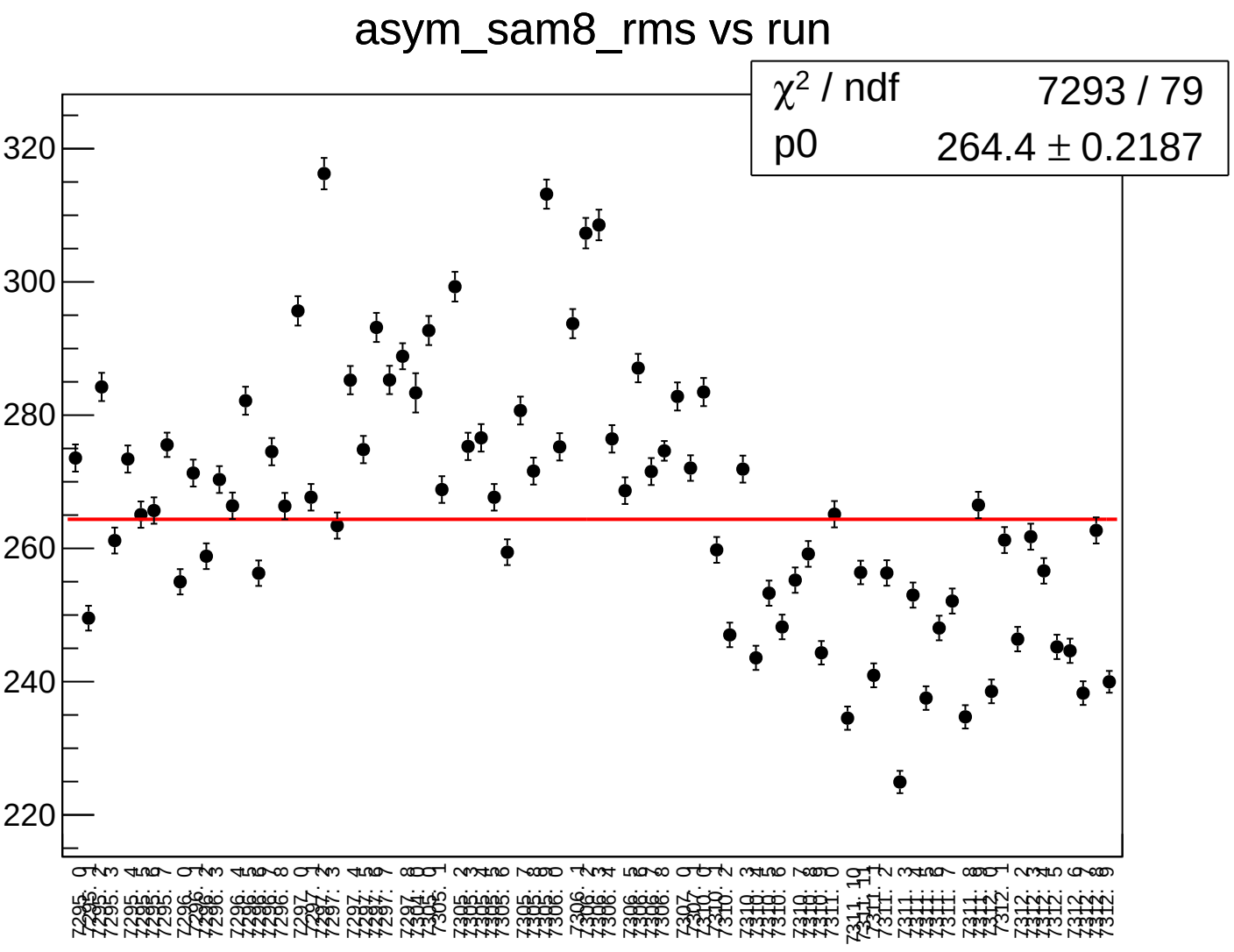

dit_asym_sam8_rms vs run
χ² / ndf 2.532e+05 / 79
p0 88.25 ± 0.08004
250
200
150
100
50

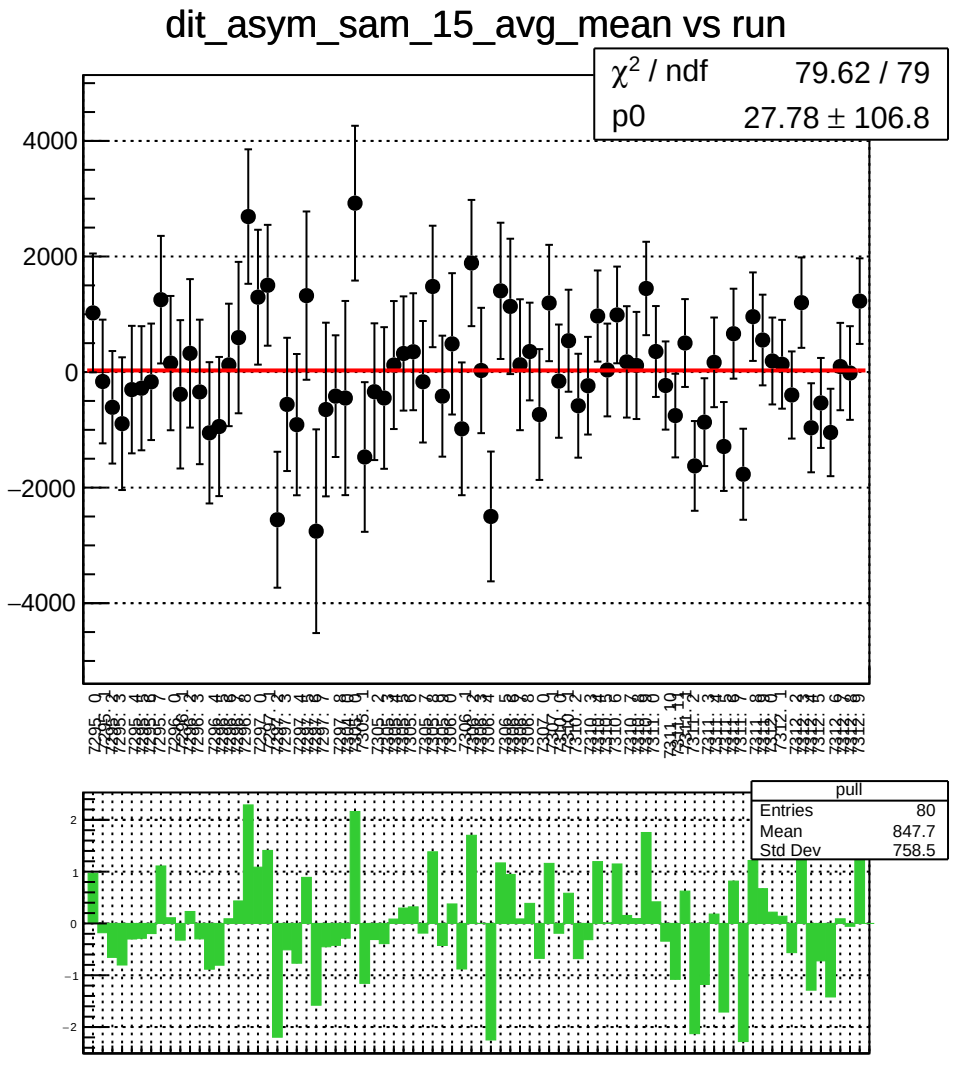

asym_sam8_correction_mean vs run
χ² / ndf 104.6 / 79
p0 −339 ± 307.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −108.5
Std Dev 157.6
pull1D
Entries 80
Mean 0.02096
Std Dev 1.143

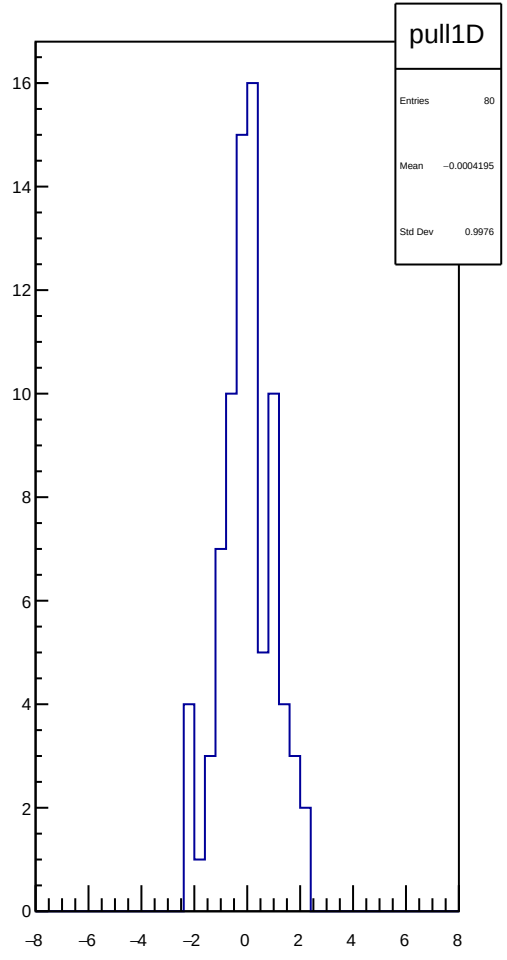

asym_sam8_correction_rms vs run
χ^2 / ndf 1.347e+04 / 79
p0 262 ± 0.2172
360
340
320
300
280
260
240
220

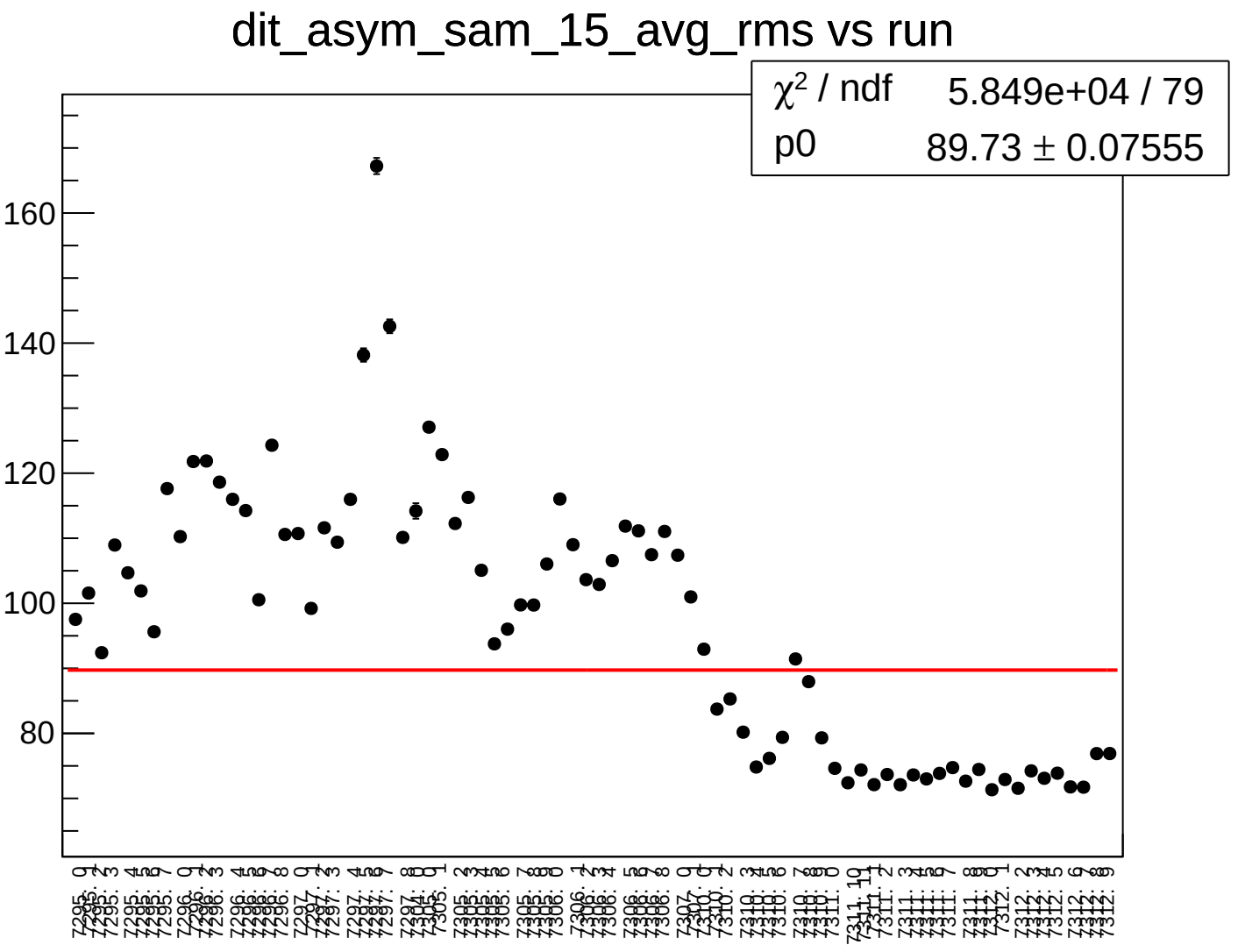

asym_sam8_mean vs run
χ² / ndf 101.9 / 79
p0 509.6 ± 309.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −170.9
Std Dev 215.7
4
3
2
1
0
−1
−2

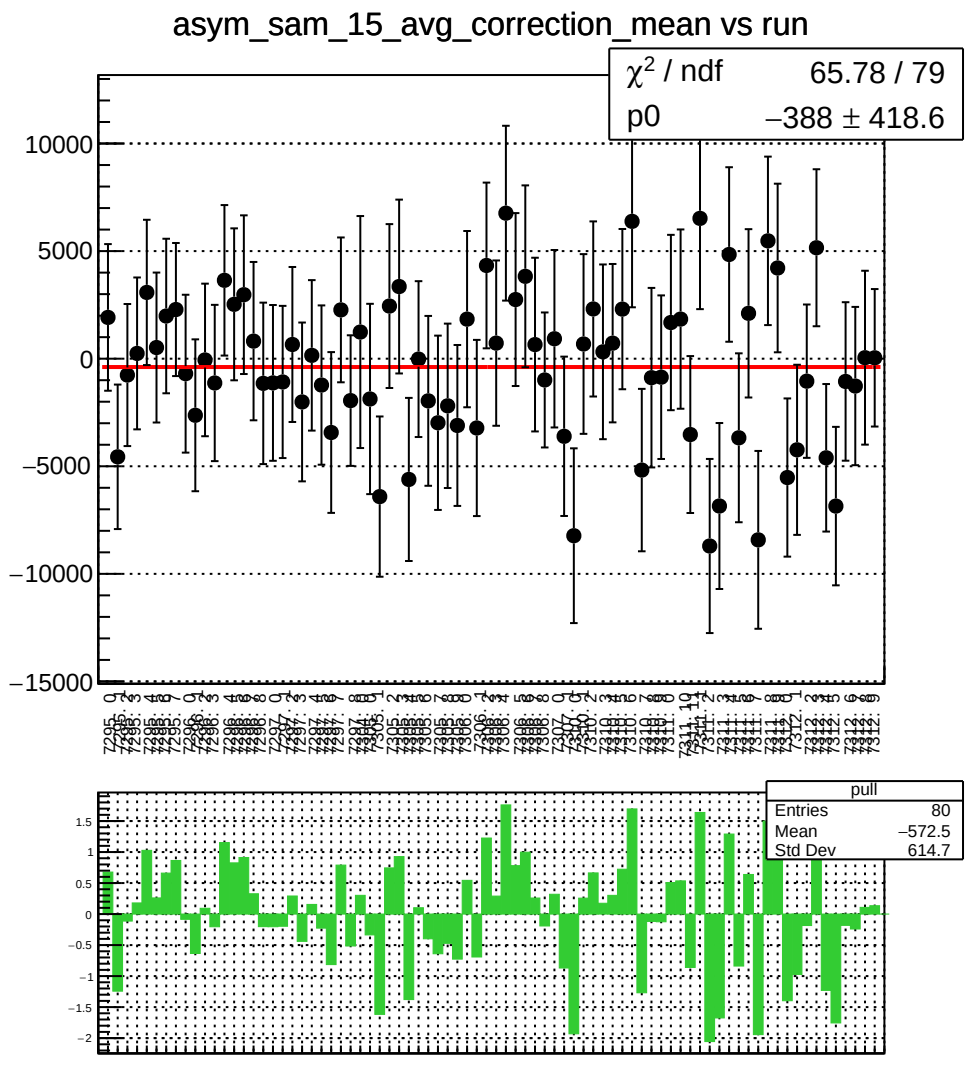

pull1D
Entries 80
Mean −0.01965
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

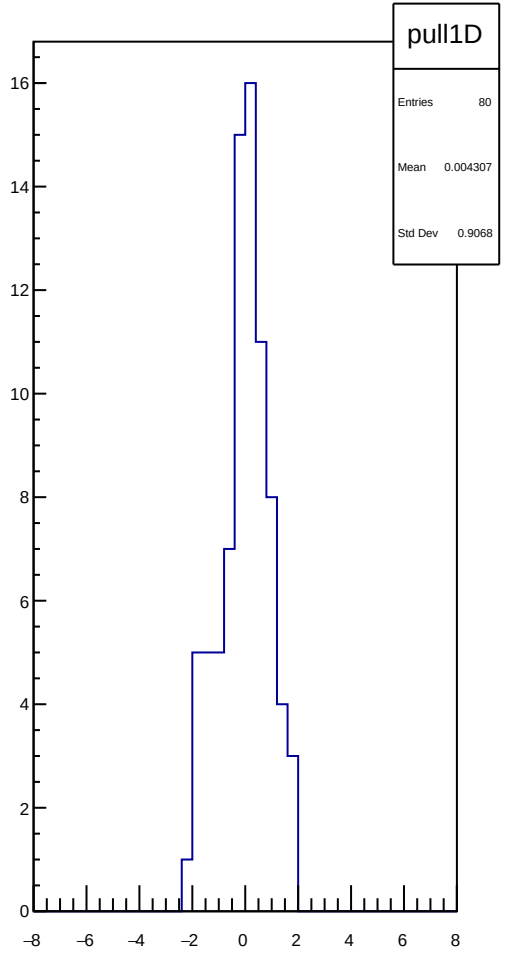

asym_sam8_rms vs run
χ² / ndf 7293 / 79
p0 264.4 ± 0.2187
320
300
280
260
240
220

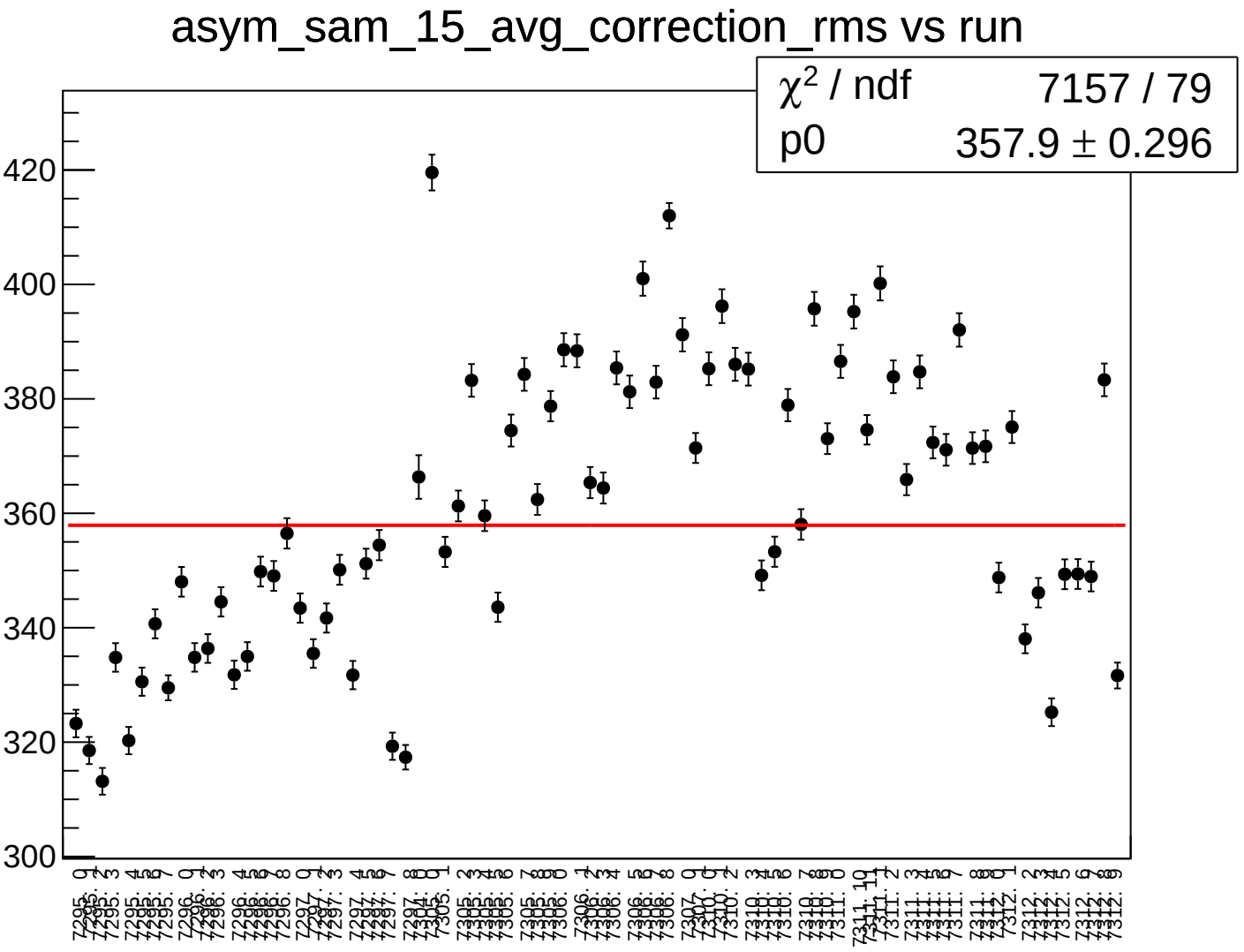

dit_asym_sam_15_avg_mean vs run
χ² / ndf 79.62 / 79
p0 27.78 ± 106.8
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 847.7
Std Dev 758.5
2
1
0
−1
−2

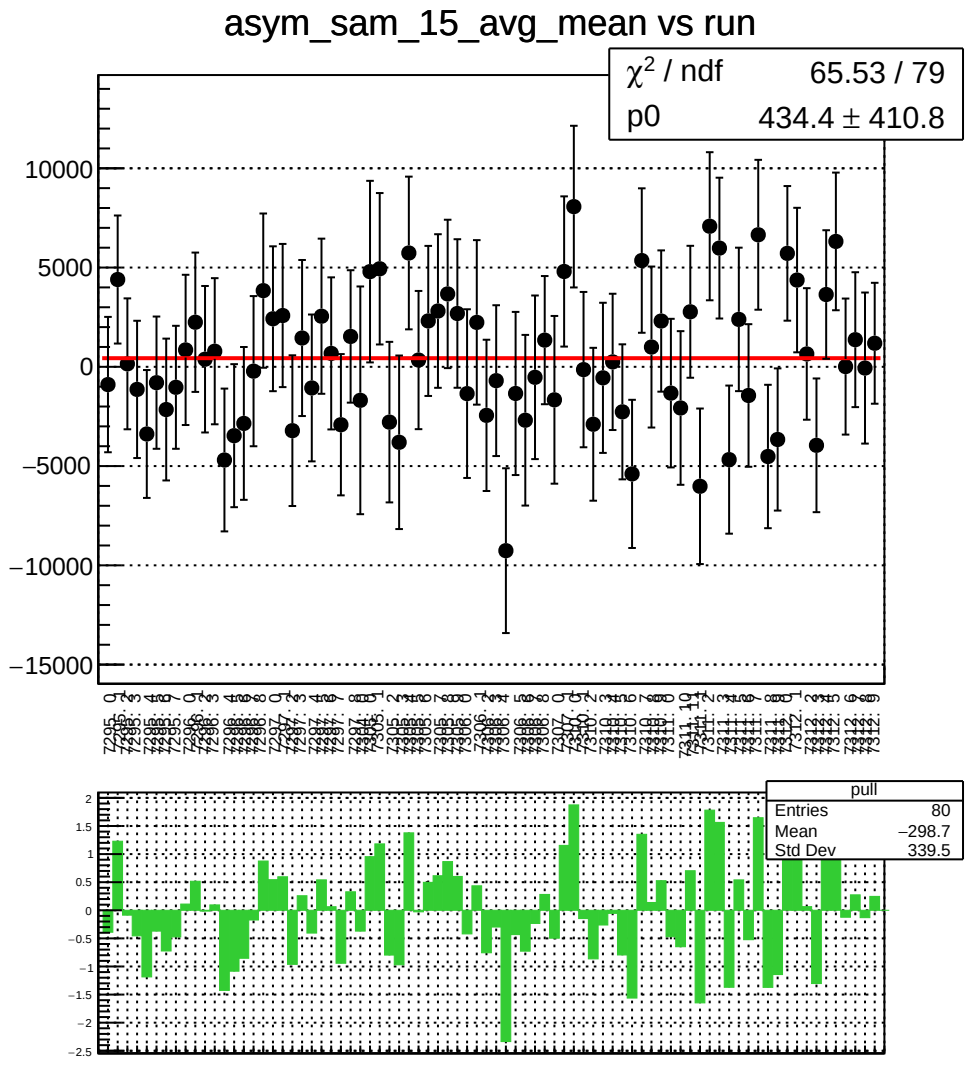

pull1D
Entries 80
Mean −0.0004195
Std Dev 0.9976
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

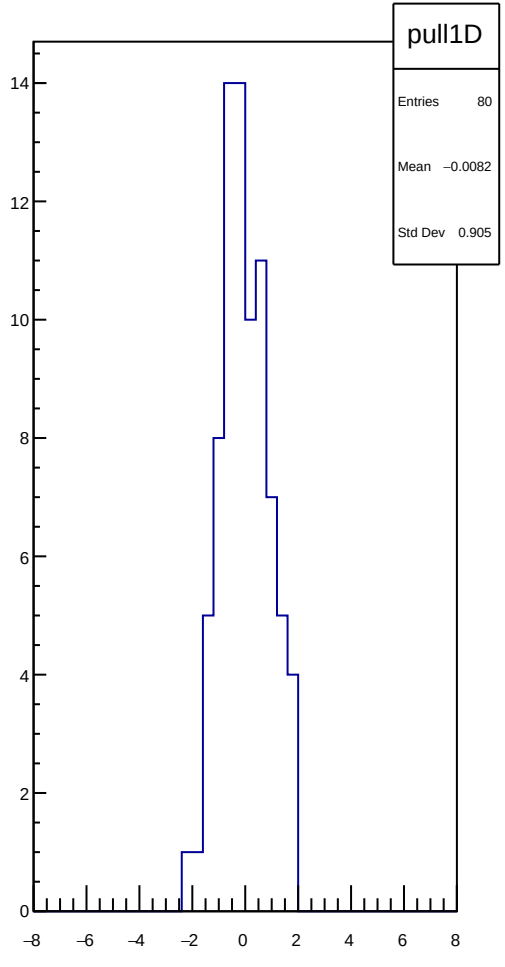

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 5.849e+04 / 79
p0 89.73 ± 0.07555
160
140
120
100
80

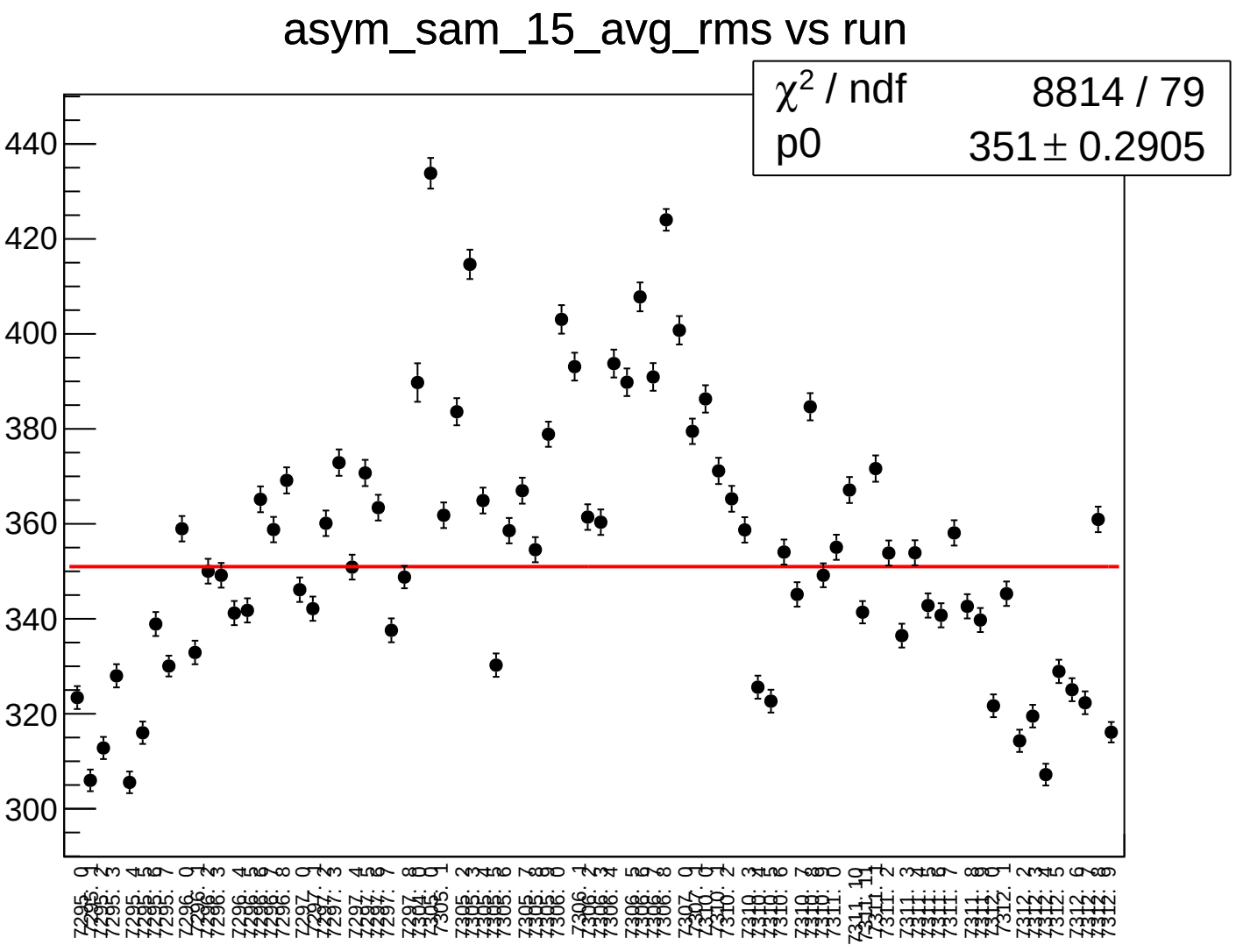

asym_sam_15_avg_correction_mean vs run
χ² / ndf 65.78 / 79
p0 −388 ± 418.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −572.5
Std Dev 614.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

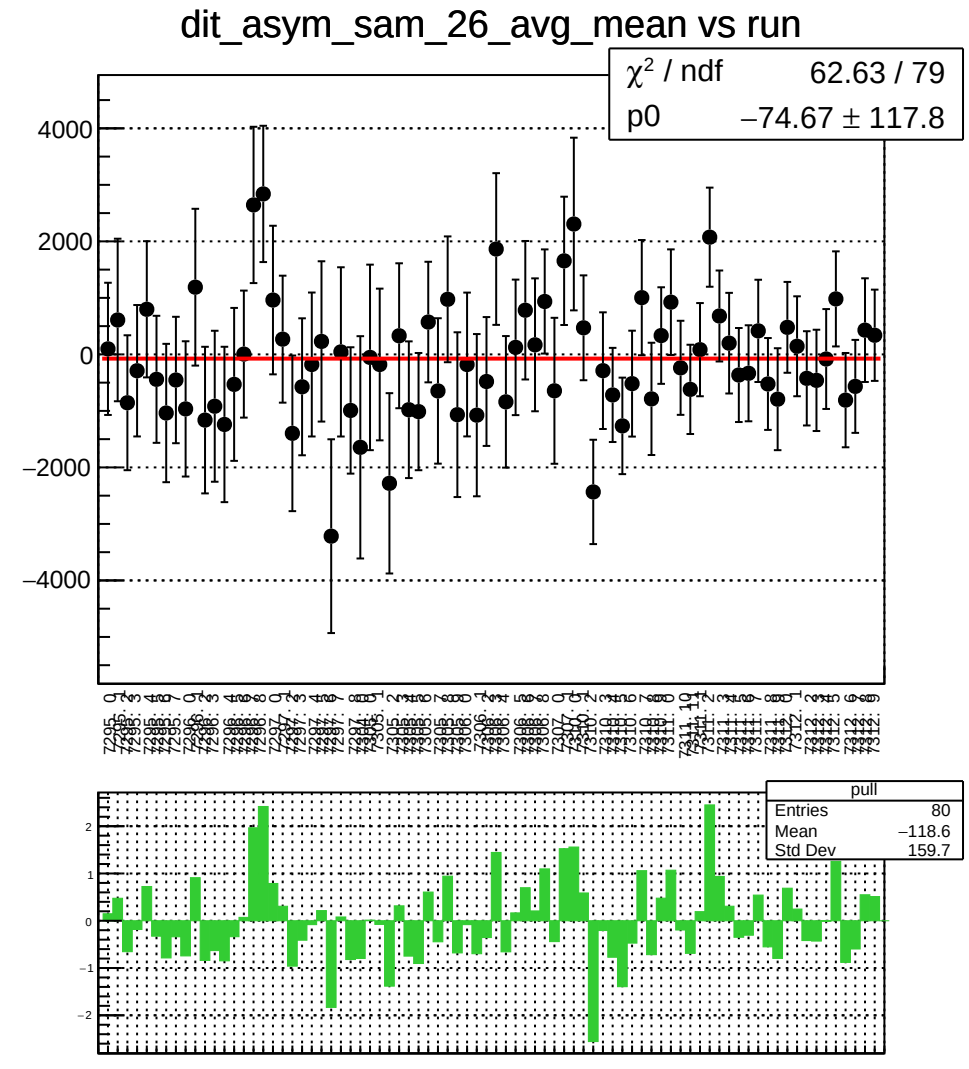

pull1D
Entries 80
Mean 0.004307
Std Dev 0.9068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

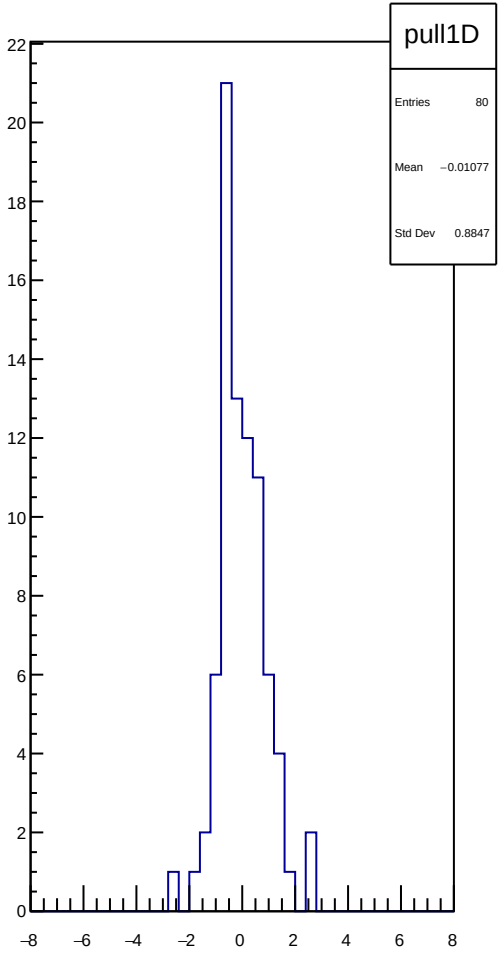

asym_sam_15_avg_correction_rms vs run
χ² / ndf 7157 / 79
p0 357.9 ± 0.296
420
400
380
360
340
320
300

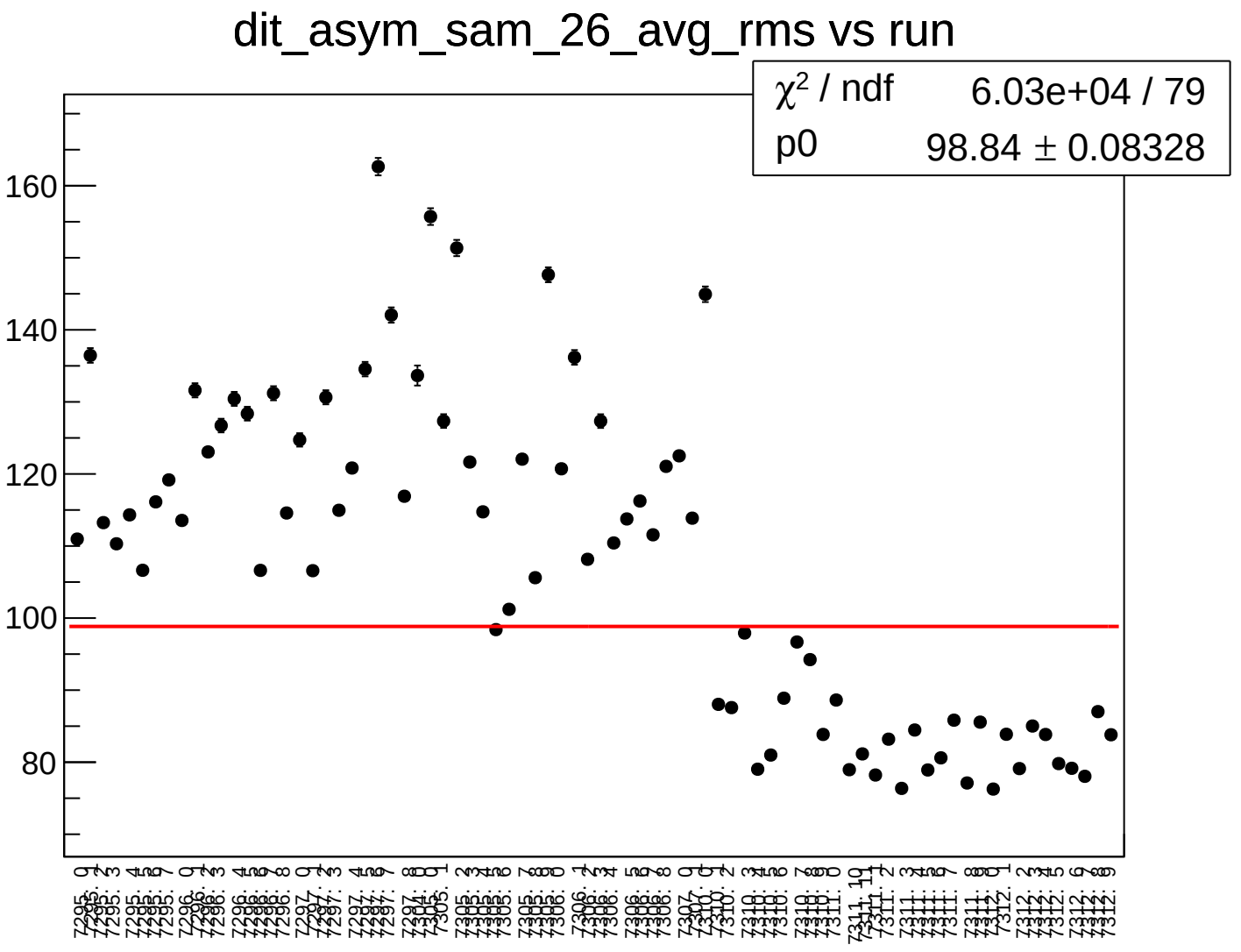

asym_sam_15_avg_mean vs run
χ² / ndf 65.53 / 79
p0 434.4 ± 410.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −298.7
Std Dev 339.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

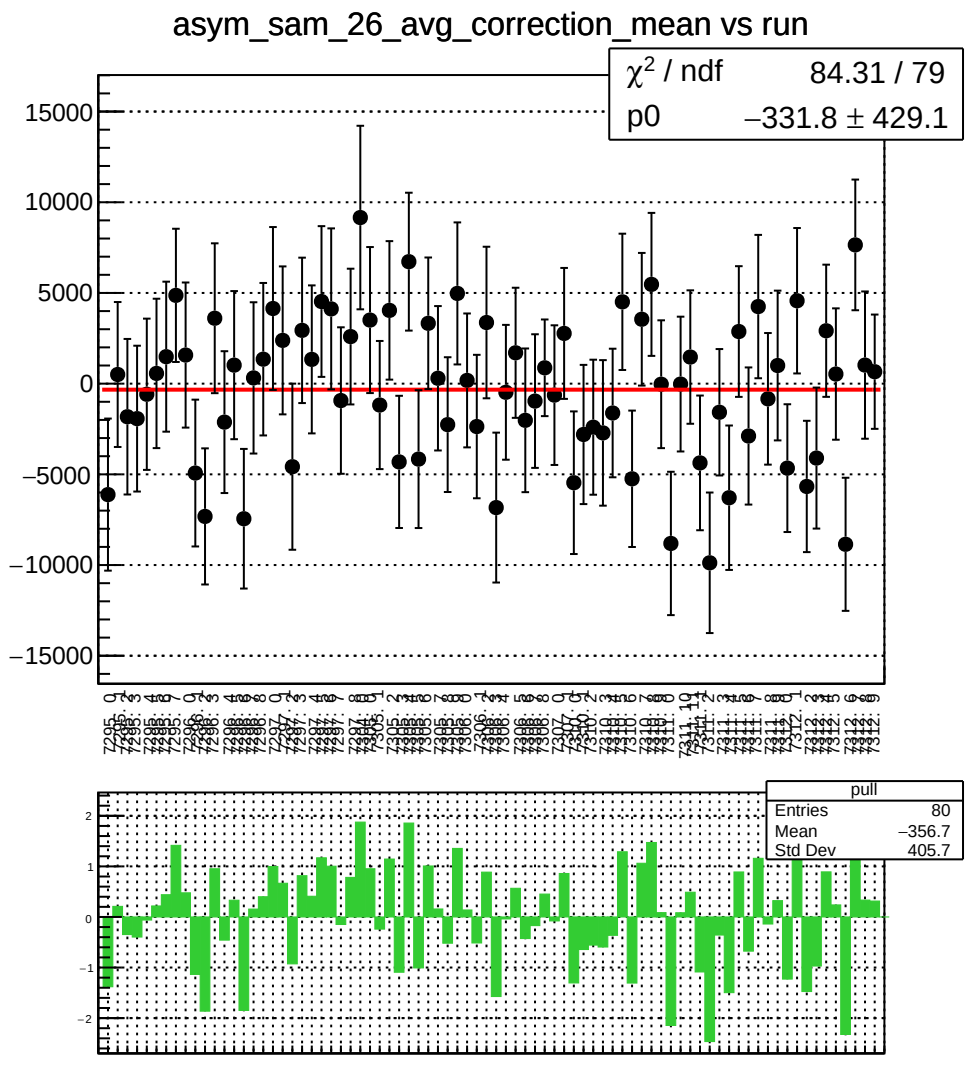

pull1D
Entries 80
Mean −0.0082
Std Dev 0.905
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

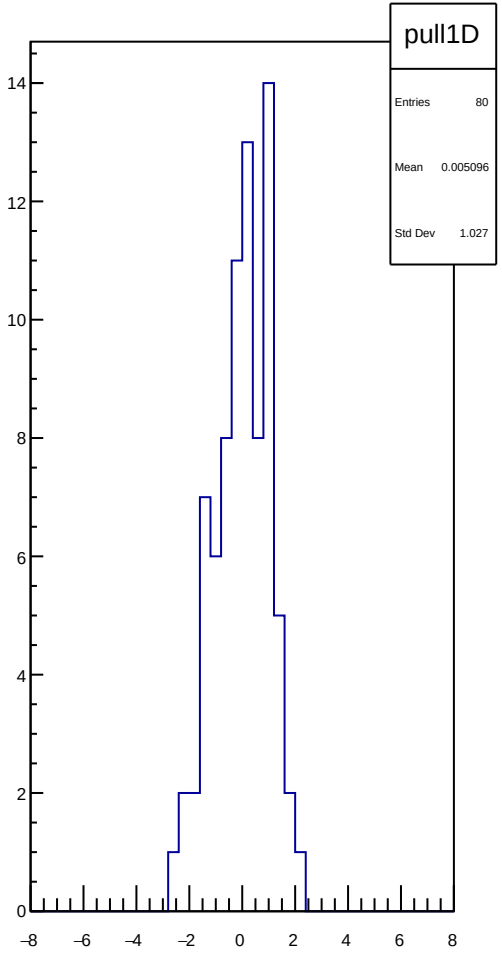

asym_sam_15_avg_rms vs run
χ^2 / ndf 8814 / 79
p0 351 ± 0.2905
440
420
400
380
360
340
320
300

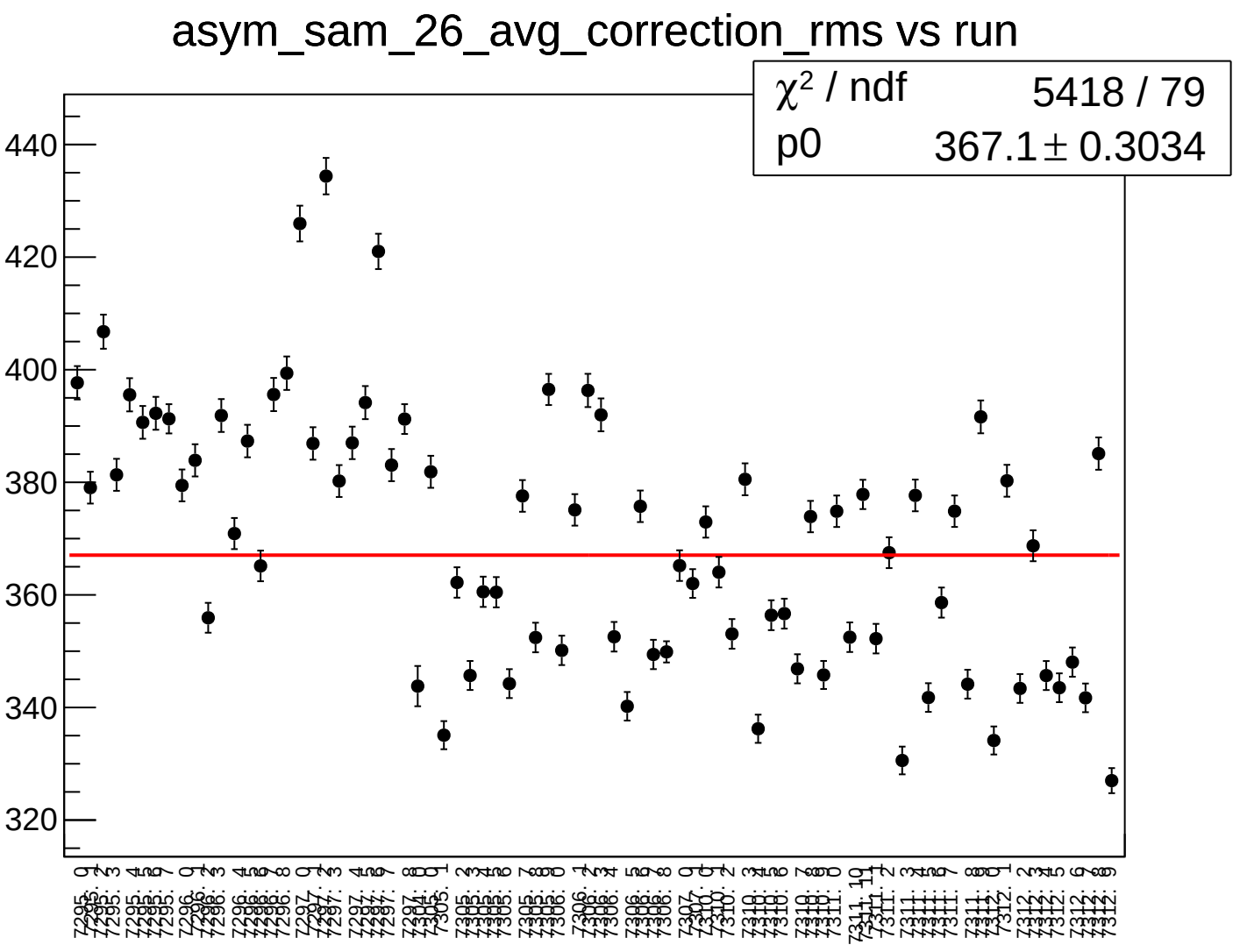

dit_asym_sam_26_avg_mean vs run
χ² / ndf 62.63 / 79
p0 −74.67 ± 117.8
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −118.6
Std Dev 159.7
2
1
0
−1
−2

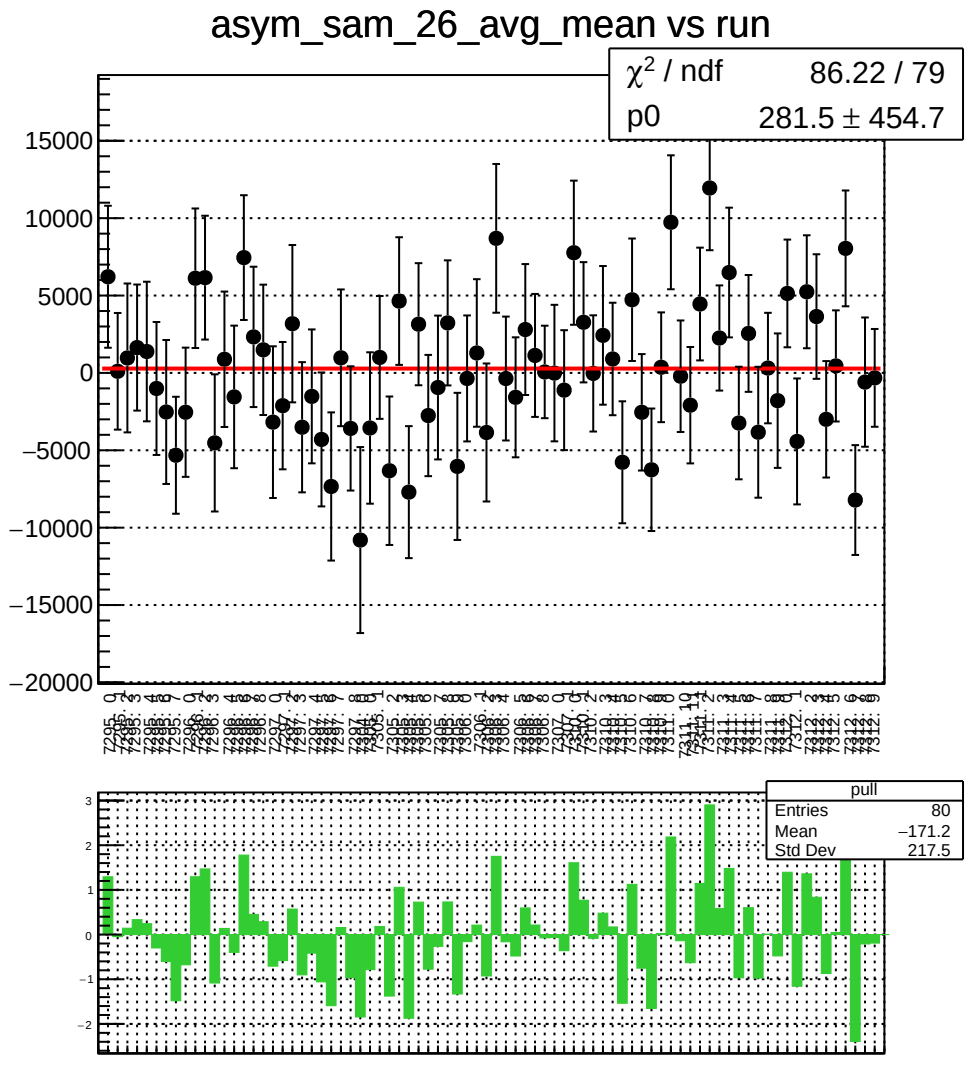

pull1D
Entries 80
Mean −0.01077
Std Dev 0.8847
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

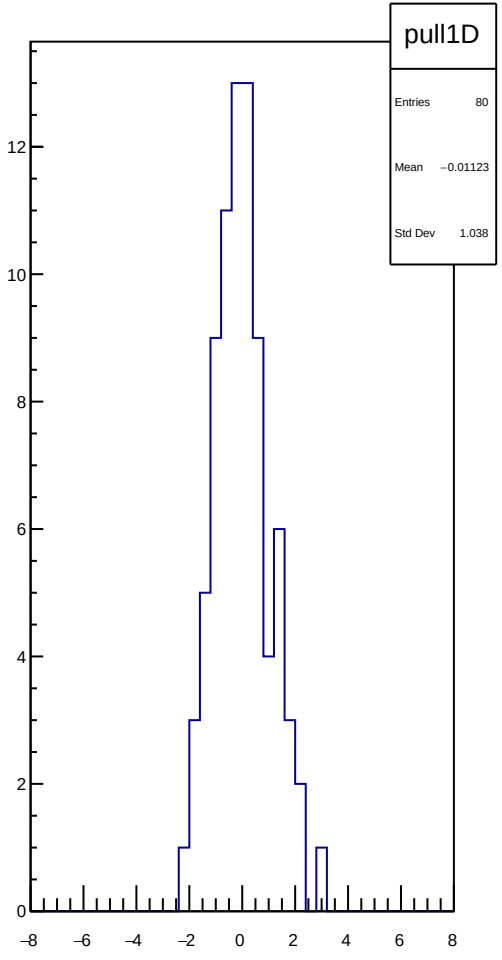

dit_asym_sam_26_avg_rms vs run
χ² / ndf 6.03e+04 / 79
p0 98.84 ± 0.08328
160
140
120
100
80

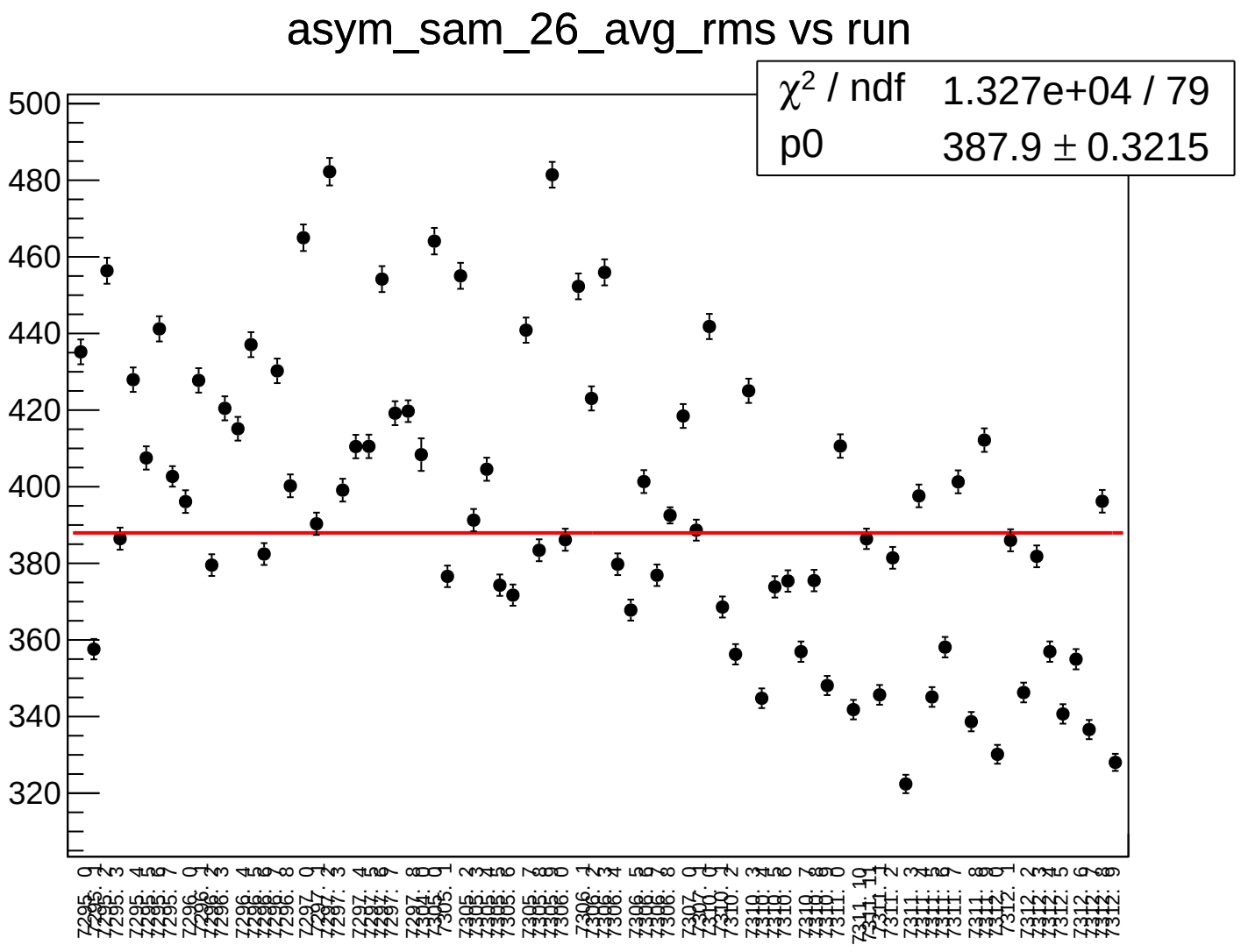

asym_sam_26_avg_correction_mean vs run
χ² / ndf 84.31 / 79
p0 −331.8 ± 429.1
pull
Entries 80
Mean −356.7
Std Dev 405.7

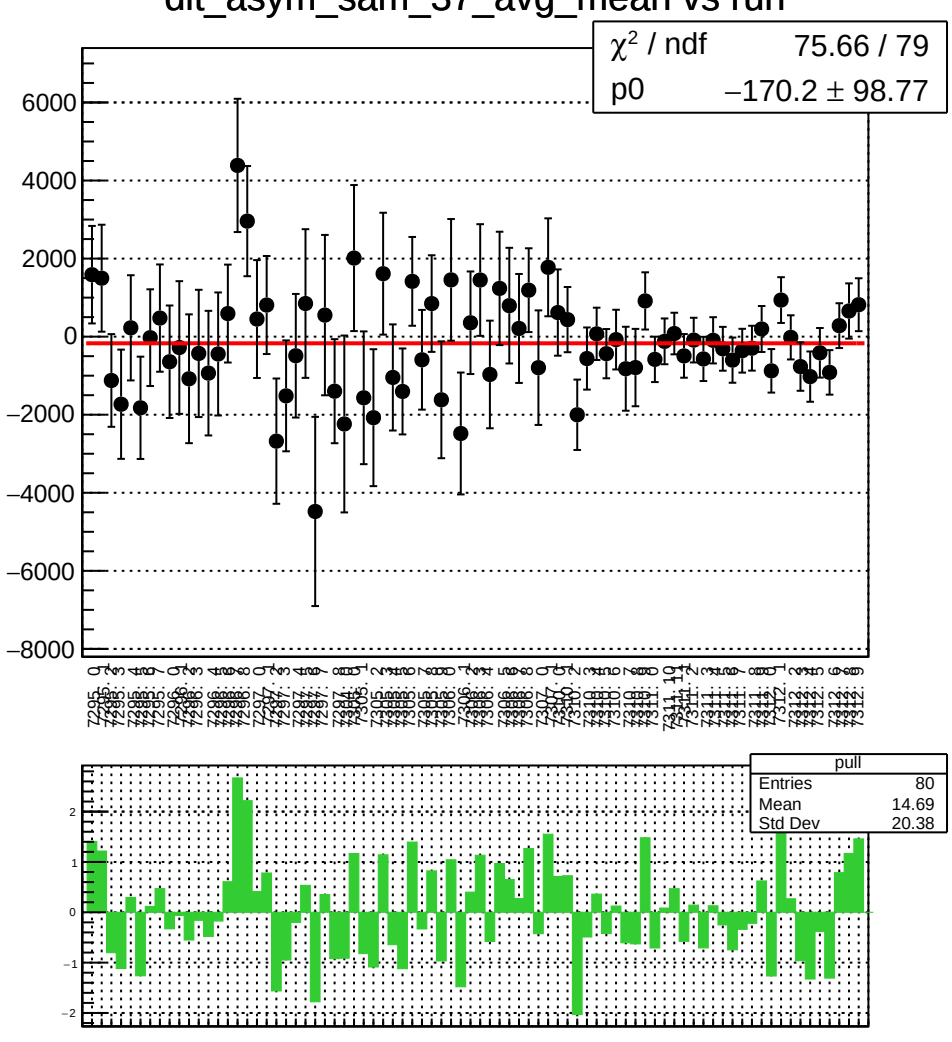

pull1D
Entries 80
Mean 0.005096
Std Dev 1.027

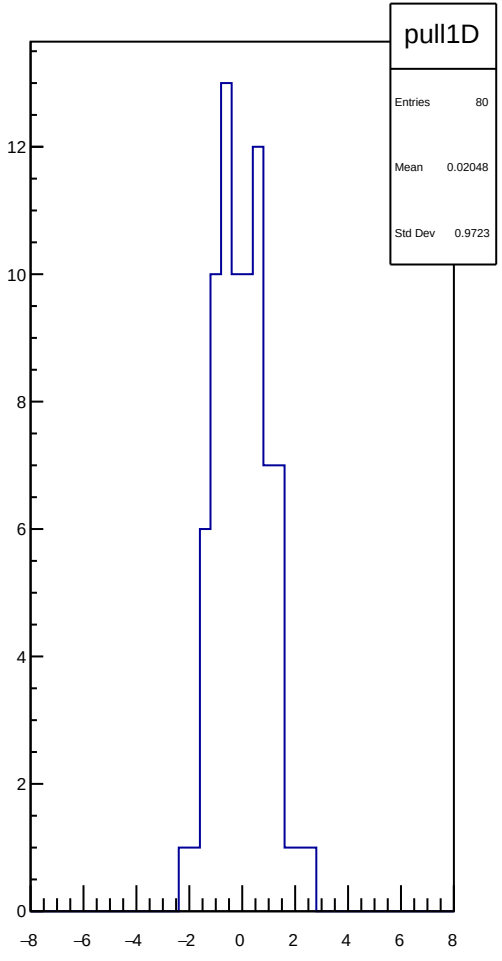

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5418 / 79
p0 367.1 ± 0.3034
440
420
400
380
360
340
320

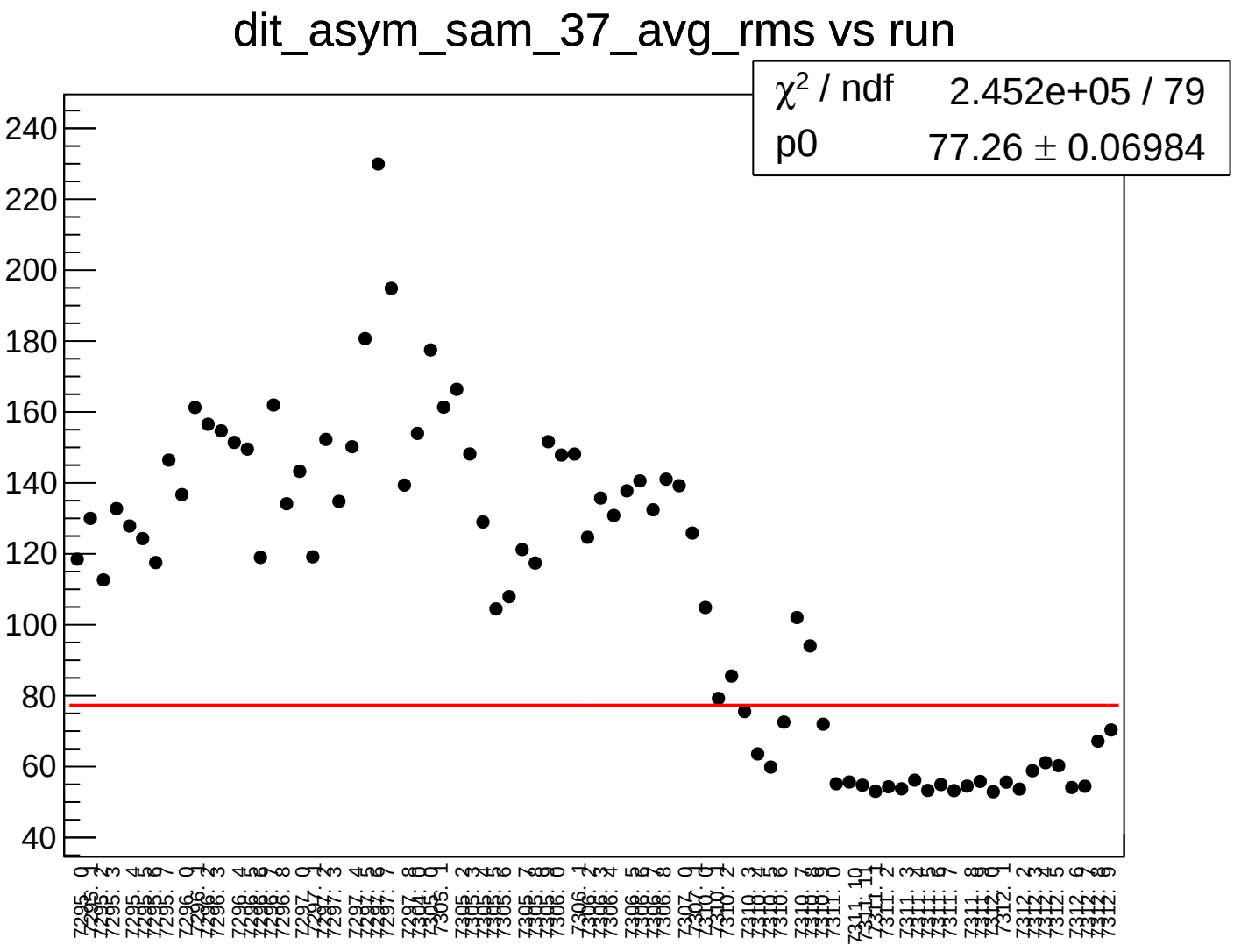

asym_sam_26_avg_mean vs run
χ^2 / ndf 86.22 / 79
p0 281.5 ± 454.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −171.2
Std Dev 217.5
3
2
1
0
−1
−2

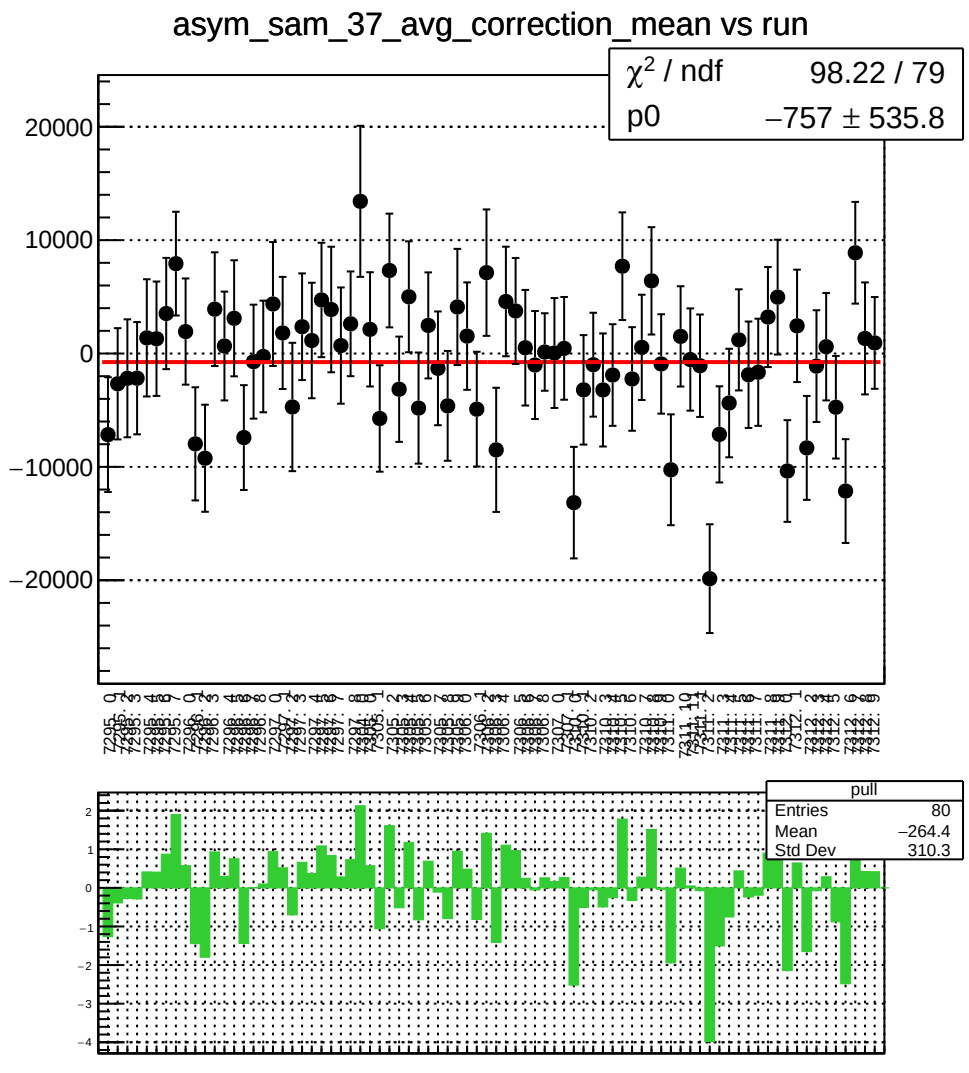

pull1D
Entries 80
Mean −0.01123
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

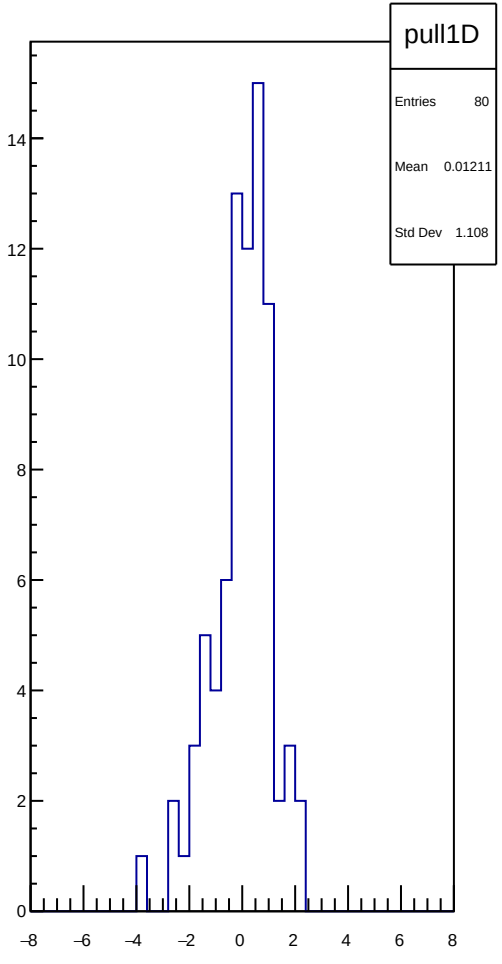

asym_sam_26_avg_rms vs run
χ² / ndf 1.327e+04 / 79
p0 387.9 ± 0.3215
500
480
460
440
420
400
380
360
340
320

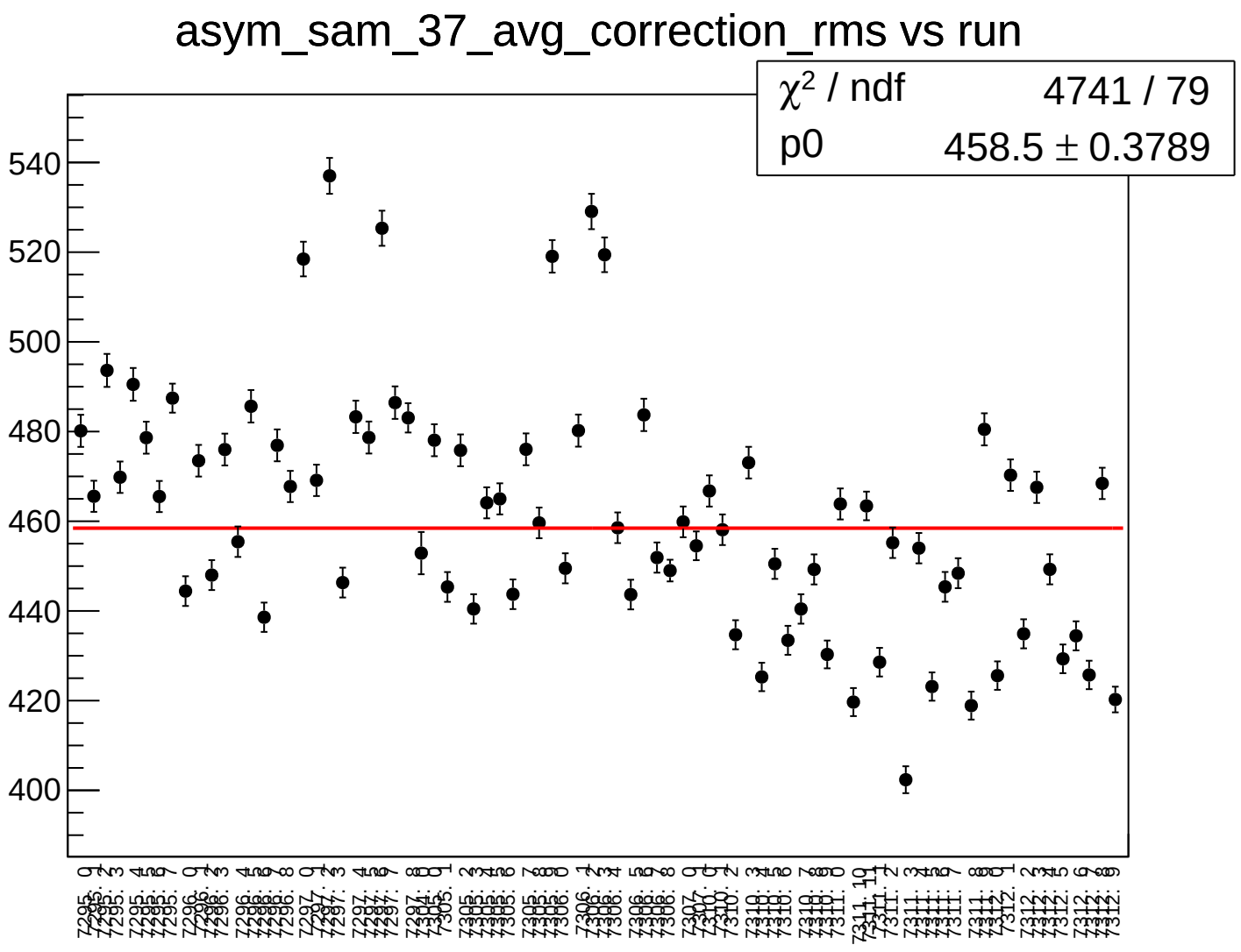

dit_asym_sam_37_avg_mean vs run
χ² / ndf 75.66 / 79
p0 −170.2 ± 98.77
pull
Entries 80
Mean 14.69
Std Dev 20.38

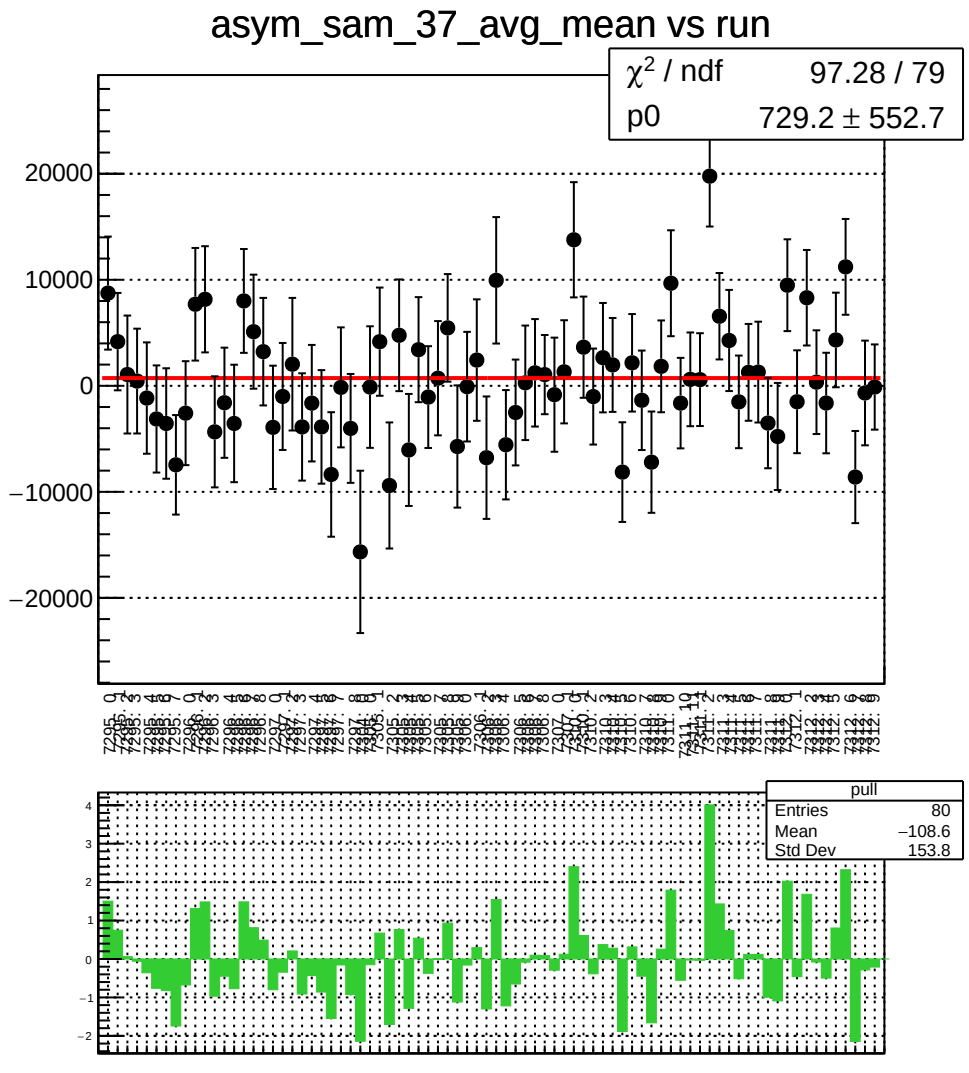

pull1D
Entries 80
Mean 0.02048
Std Dev 0.9723

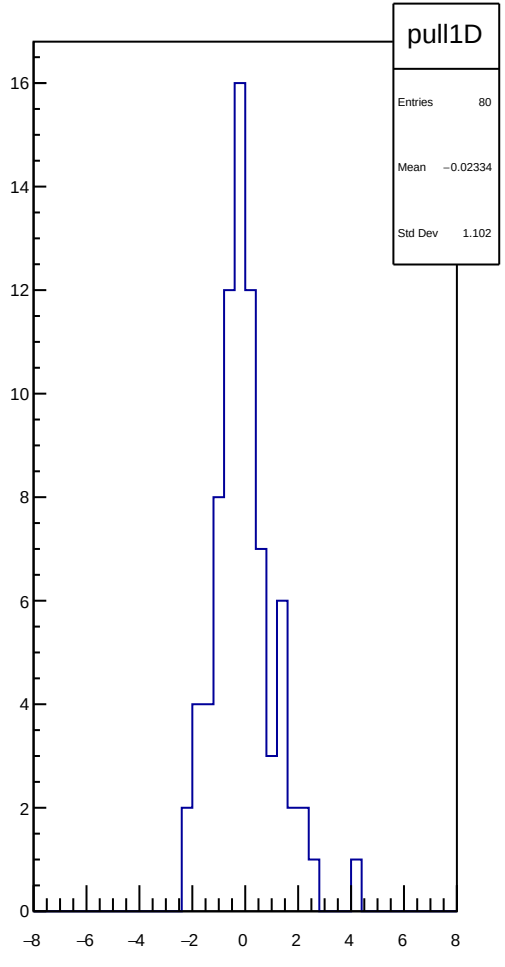

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.452e+05 / 79
p0 77.26 ± 0.06984
240
220
200
180
160
140
120
100
80
60
40

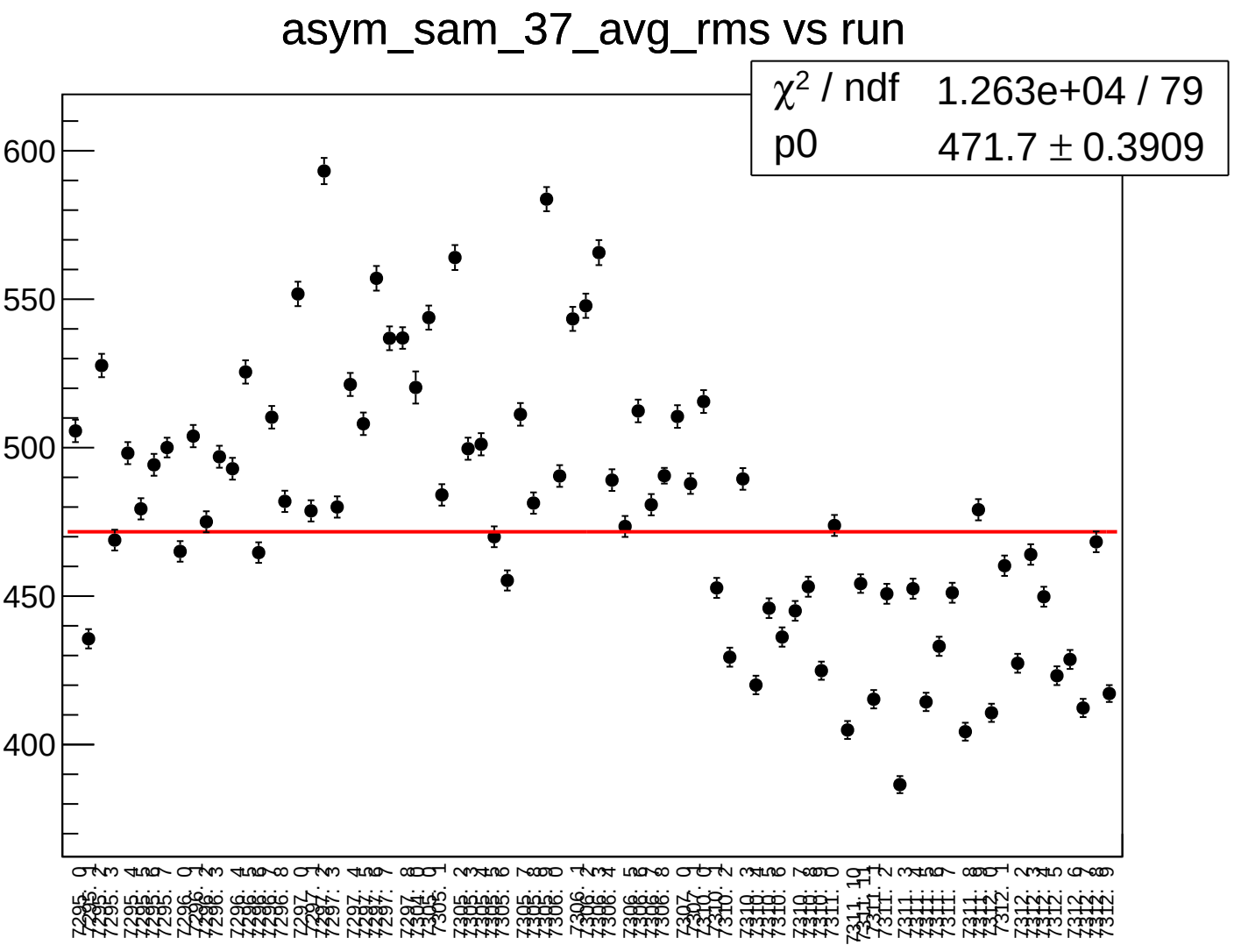

asym_sam_37_avg_correction_mean vs run
χ² / ndf 98.22 / 79
p0 −757 ± 535.8
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −264.4
Std Dev 310.3
2
1
0
−1
−2
−3
−4

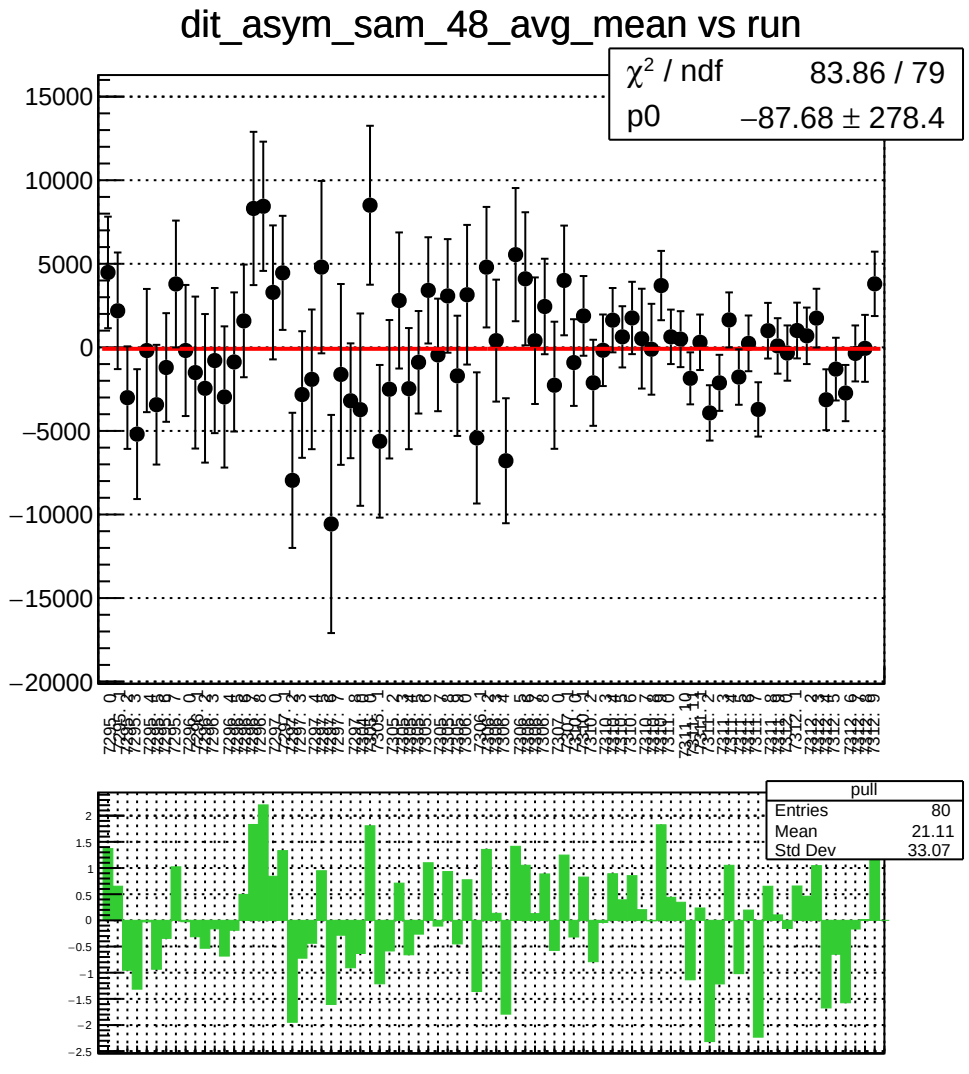

pull1D
Entries 80
Mean 0.01211
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

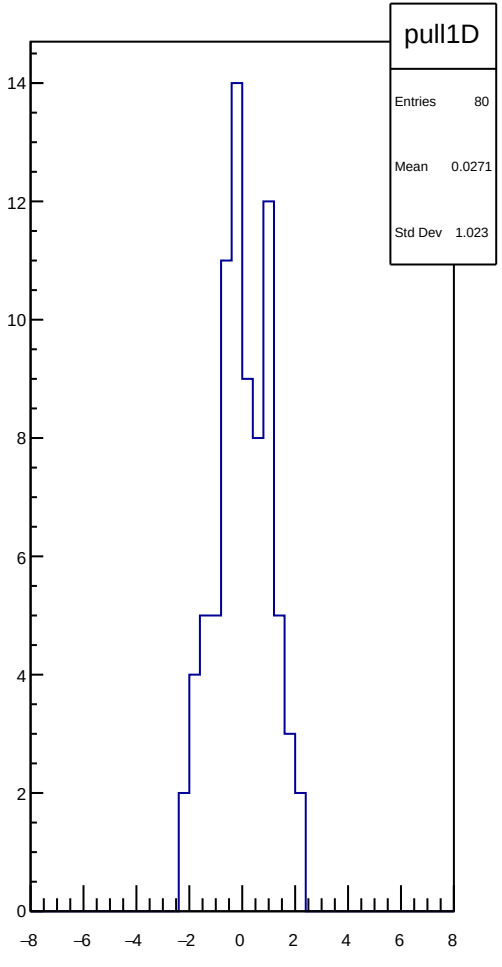

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4741 / 79
p0 458.5 ± 0.3789
540
520
500
480
460
440
420
400

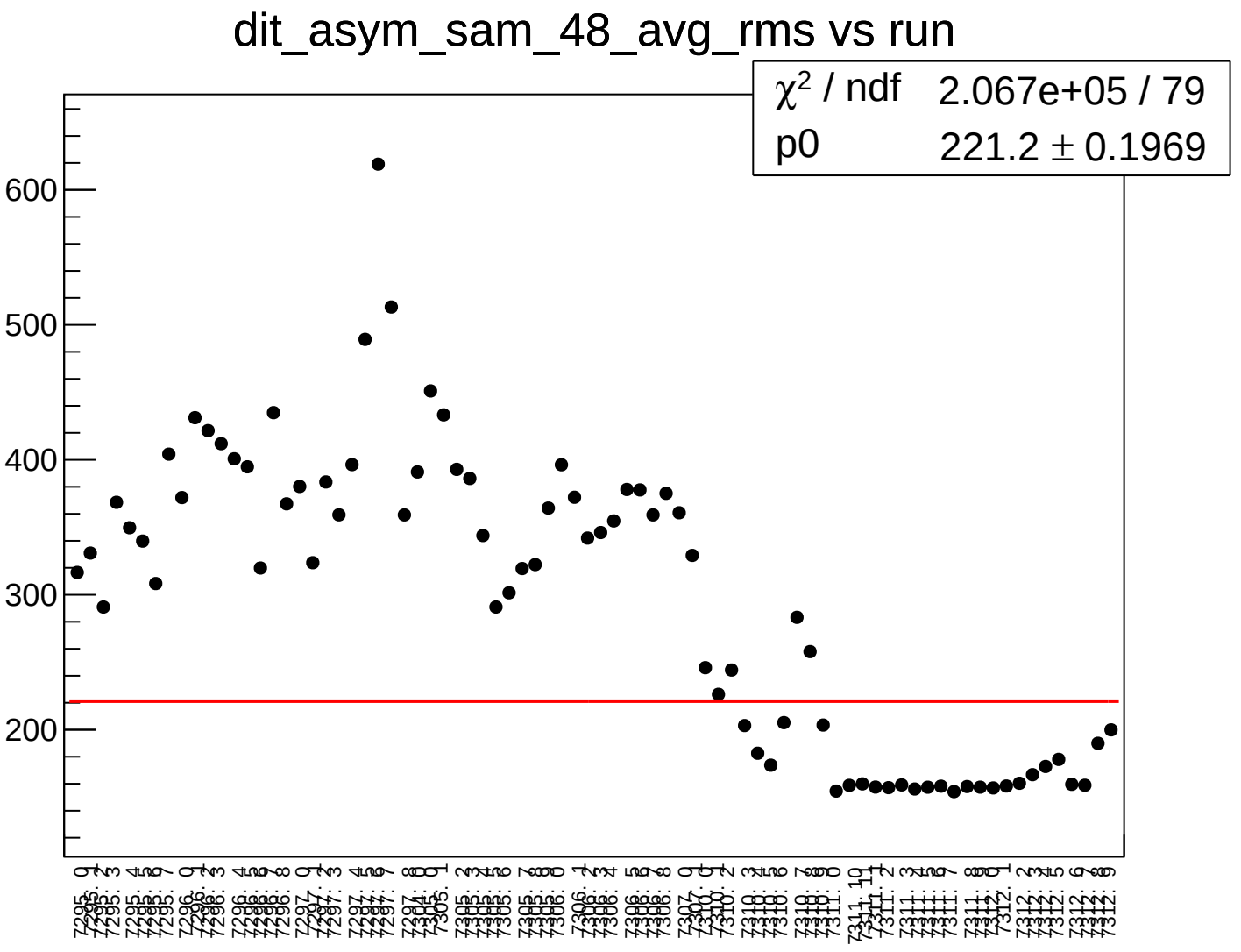

asym_sam_37_avg_mean vs run
χ² / ndf 97.28 / 79
p0 729.2 ± 552.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −108.6
Std Dev 153.8
4
3
2
1
0
−1
−2

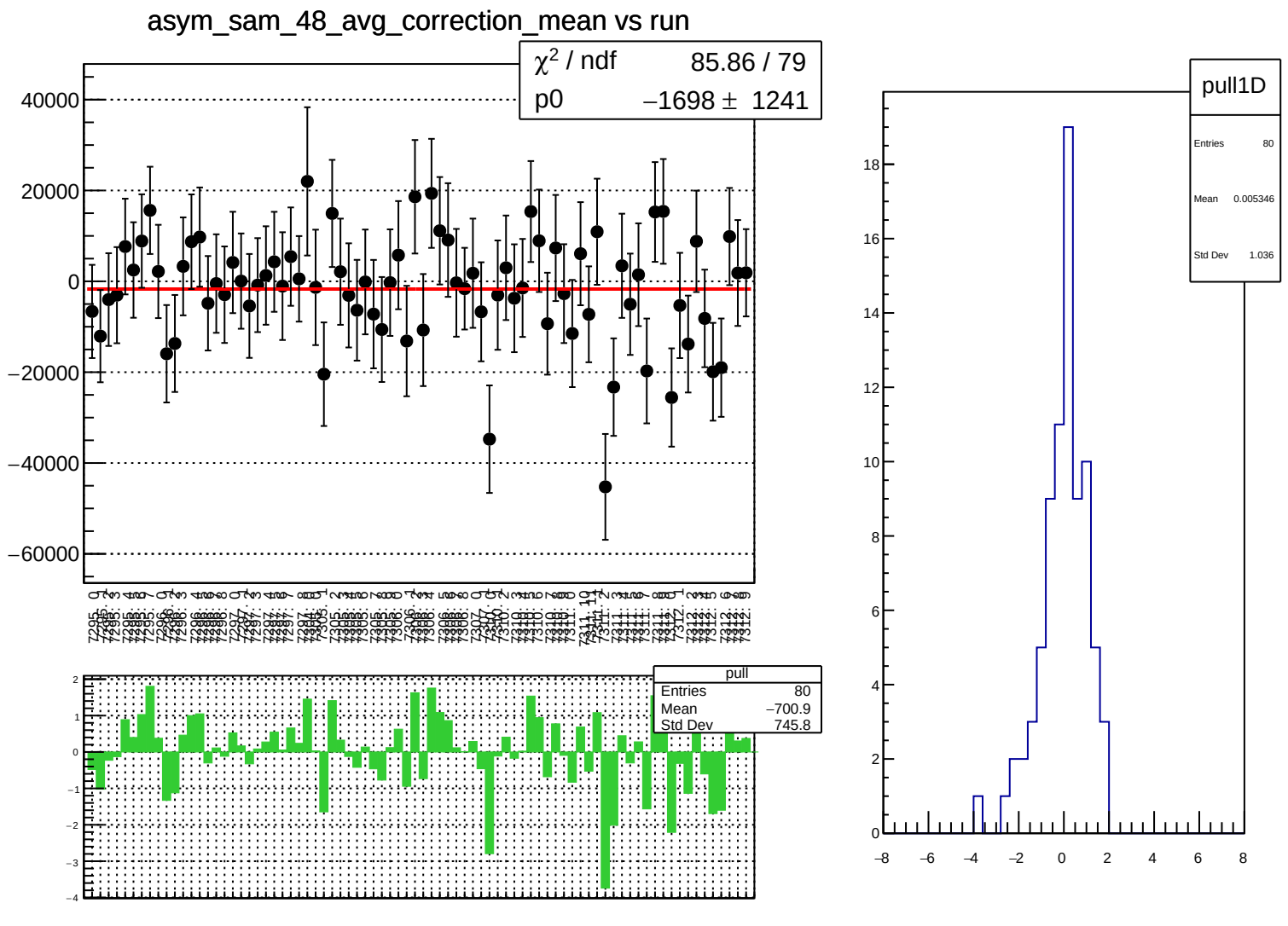

pull1D
Entries 80
Mean −0.02334
Std Dev 1.102
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

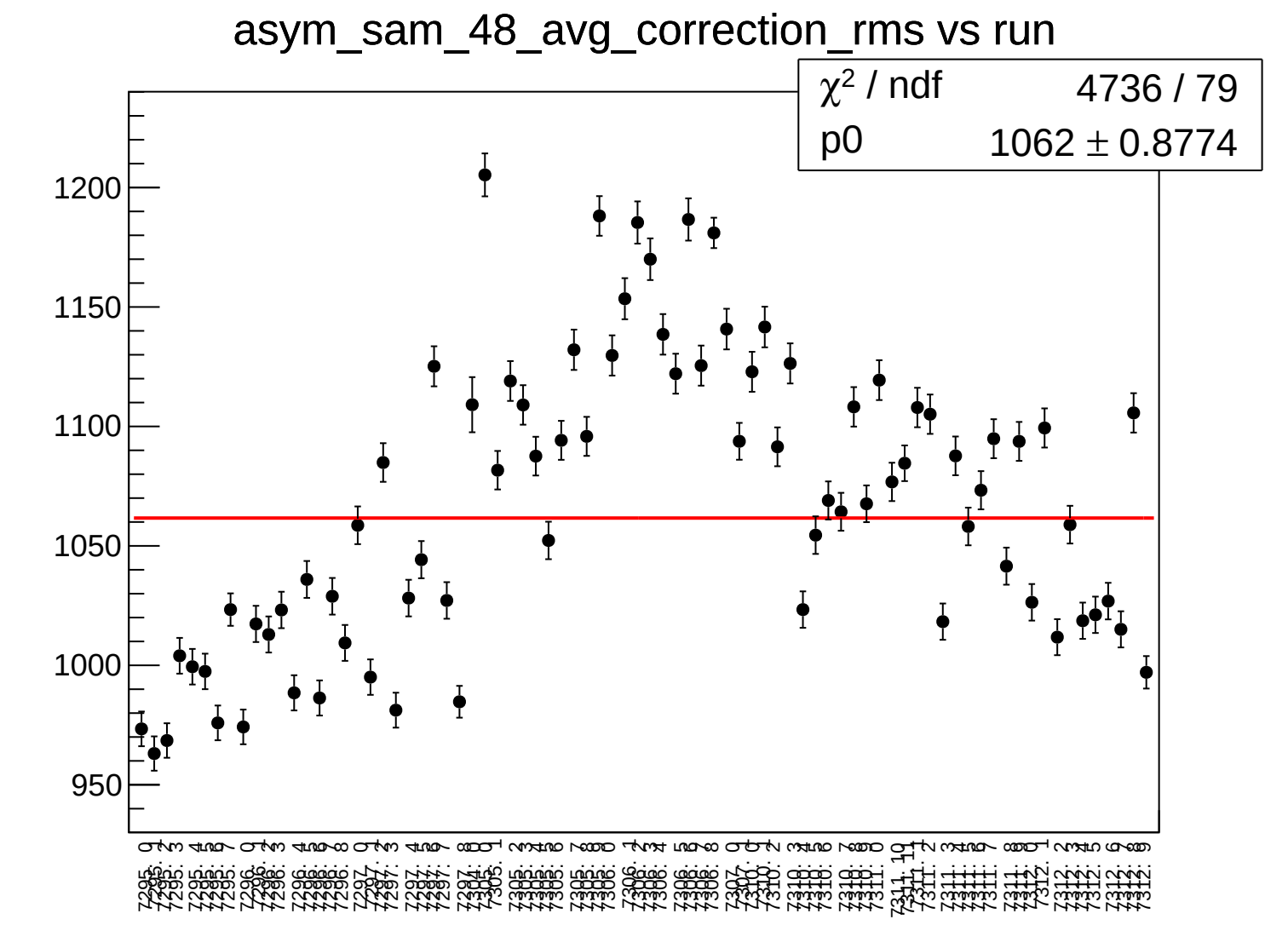

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.263e+04 / 79
p0 471.7 ± 0.3909
600
550
500
450
400

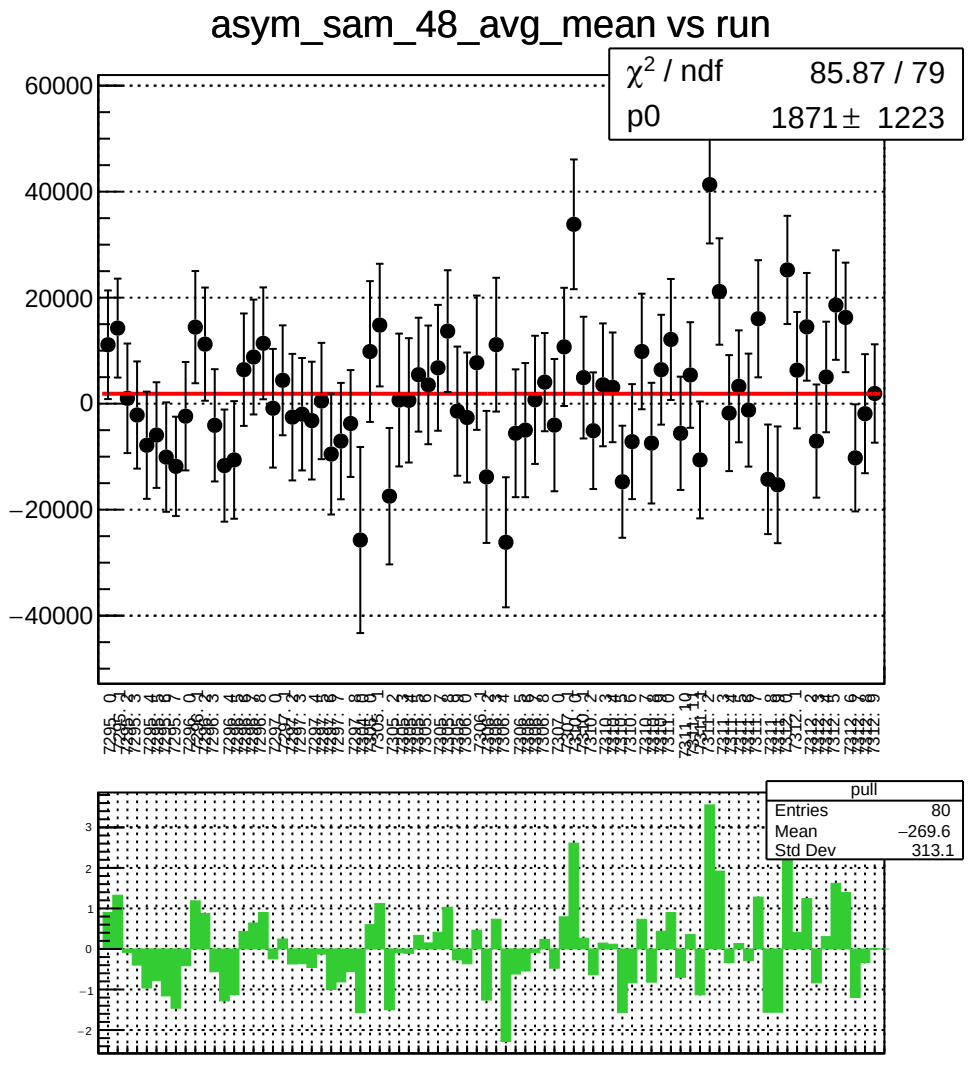

dit_asym_sam_48_avg_mean vs run
χ² / ndf 83.86 / 79
p0 −87.68 ± 278.4
pull
Entries 80
Mean 21.11
Std Dev 33.07

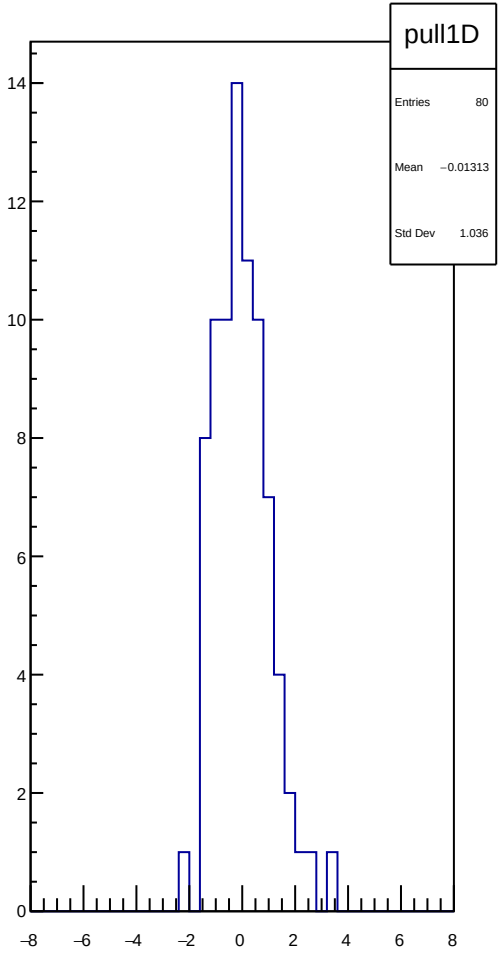

pull1D
Entries 80
Mean 0.0271
Std Dev 1.023

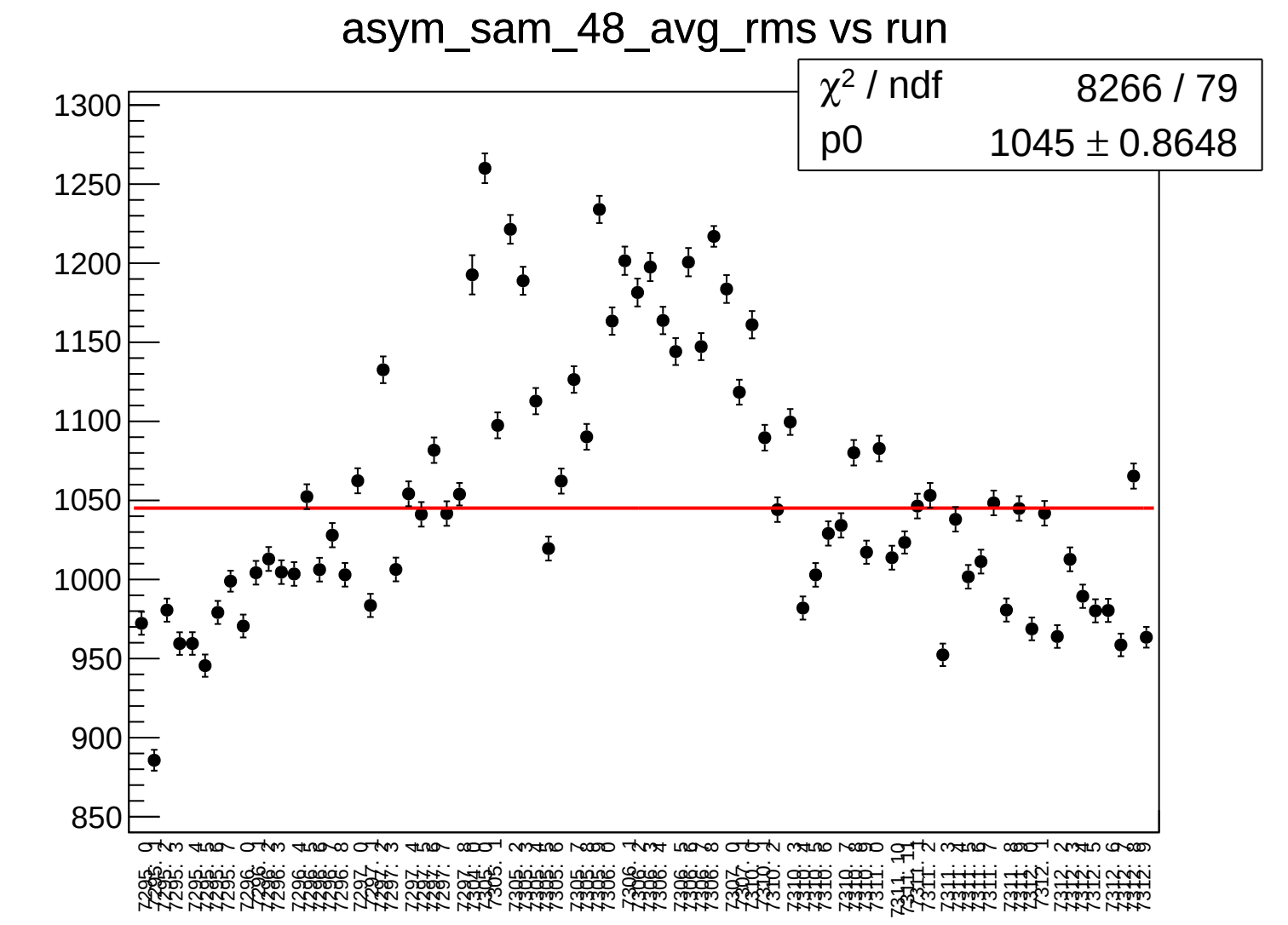

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 2.067e+05 / 79
p0 221.2 ± 0.1969
600
500
400
300
200

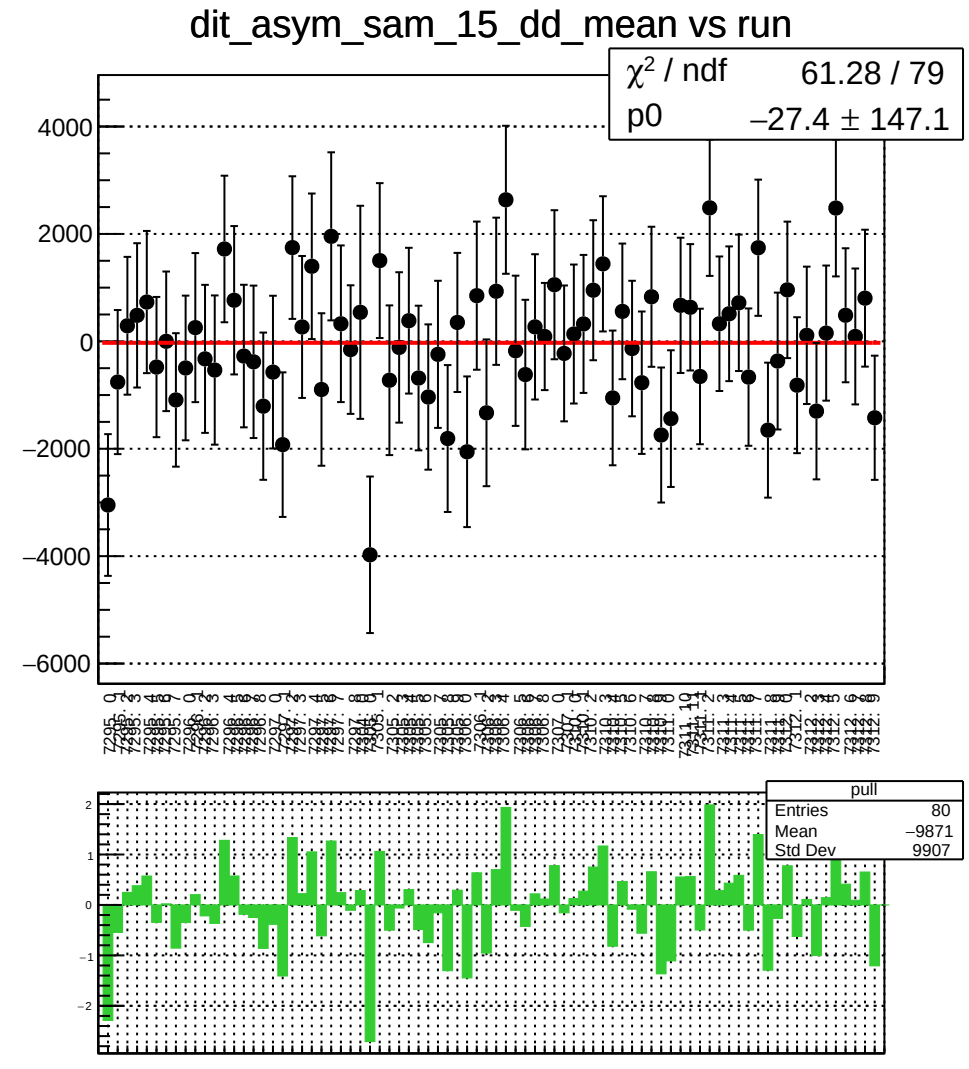

asym_sam_48_avg_correction_mean vs run
χ² / ndf 85.86 / 79
p0 −1698 ± 1241
pull
Entries 80
Mean −700.9
Std Dev 745.8
pull1D
Entries 80
Mean 0.005346
Std Dev 1.036

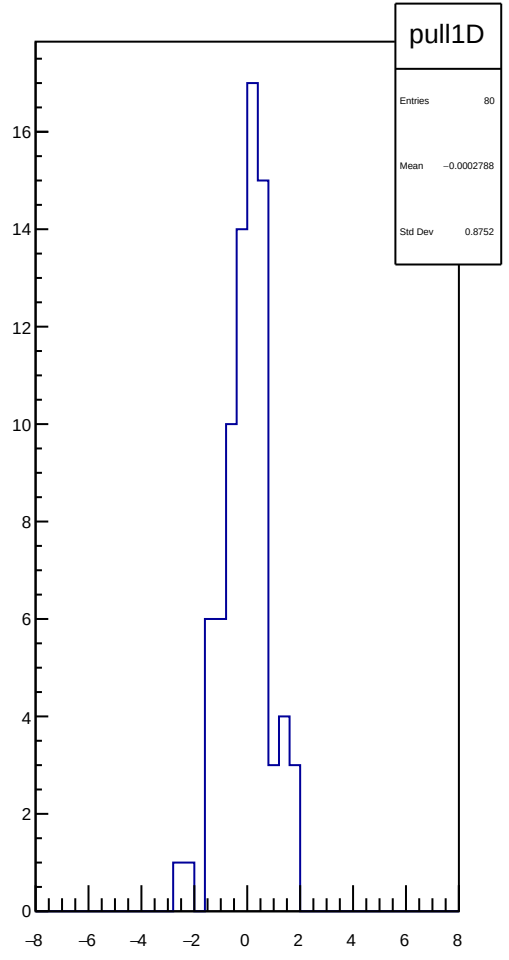

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4736 / 79
p0 1062 ± 0.8774
1200
1150
1100
1050
1000
950

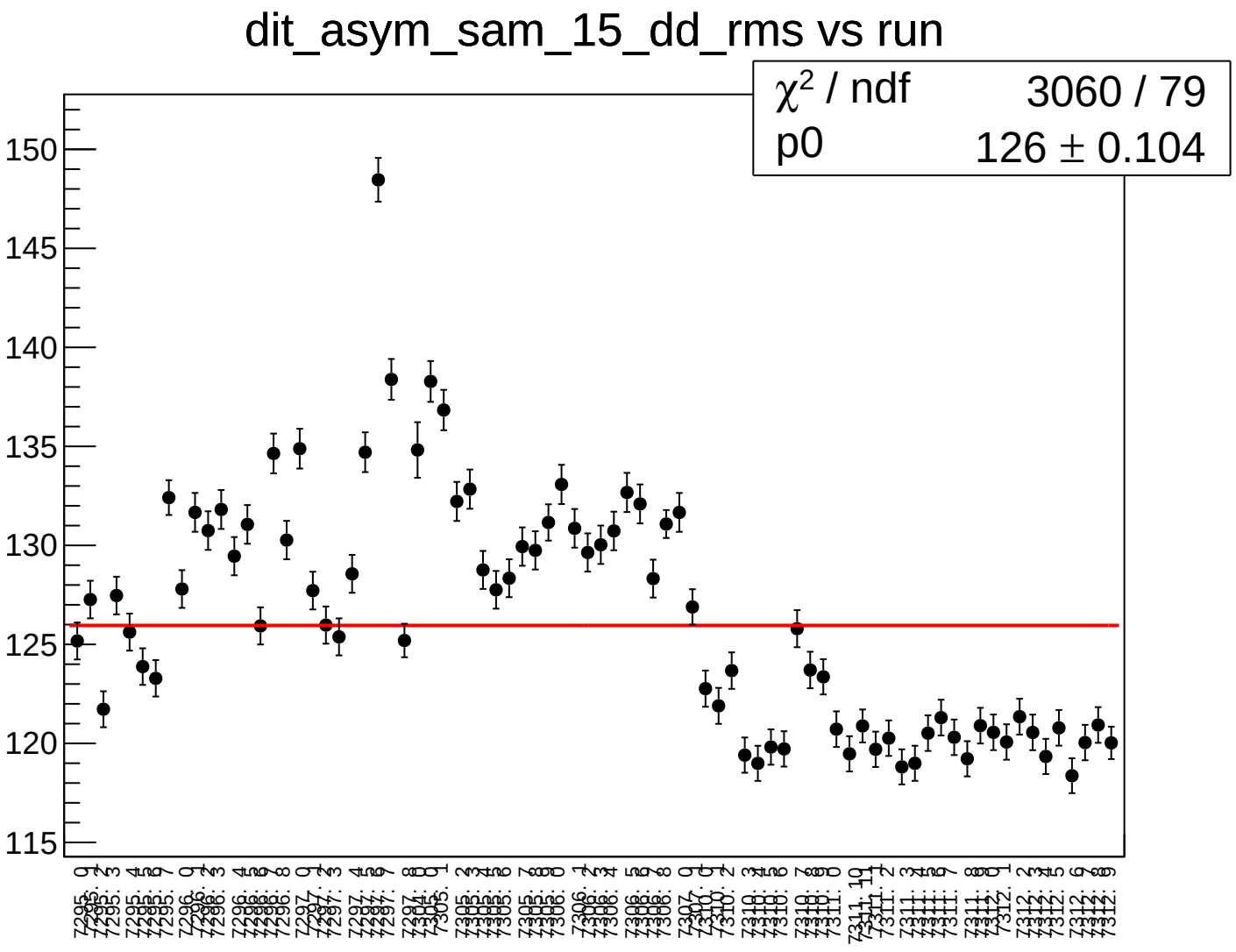

asym_sam_48_avg_mean vs run
χ² / ndf 85.87 / 79
p0 1871 ± 1223
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −269.6
Std Dev 313.1
3
2
1
0
−1
−2

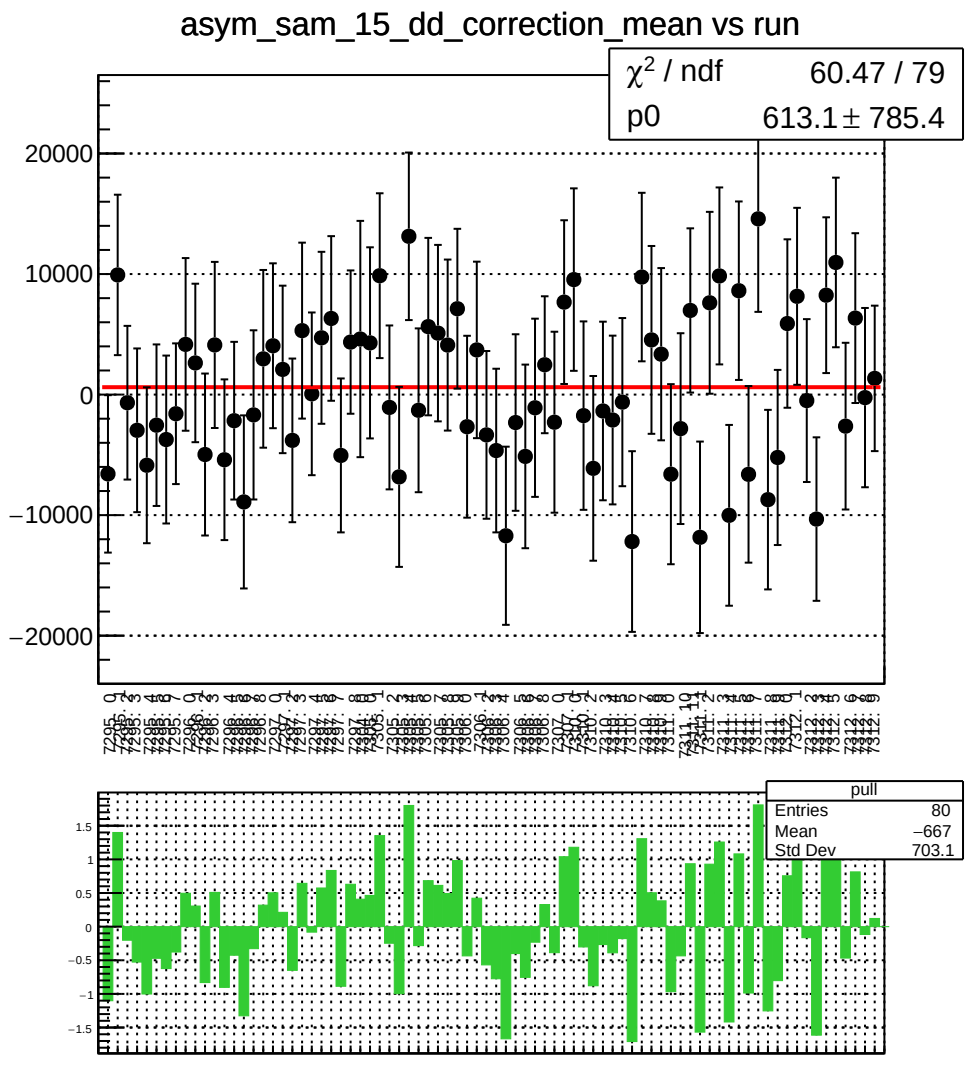

pull1D
Entries 80
Mean −0.01313
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

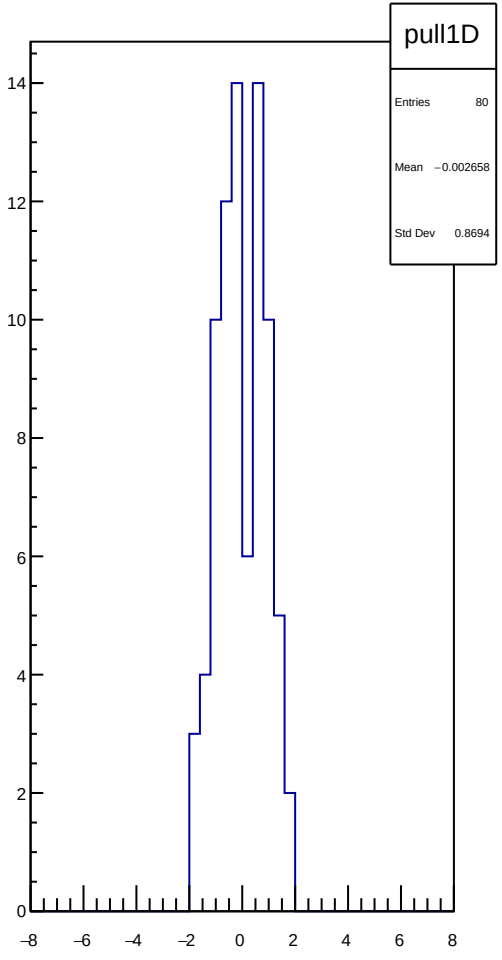

asym_sam_48_avg_rms vs run
χ² / ndf 8266 / 79
p0 1045 ± 0.8648
1300
1250
1200
1150
1100
1050
1000
950
900
850

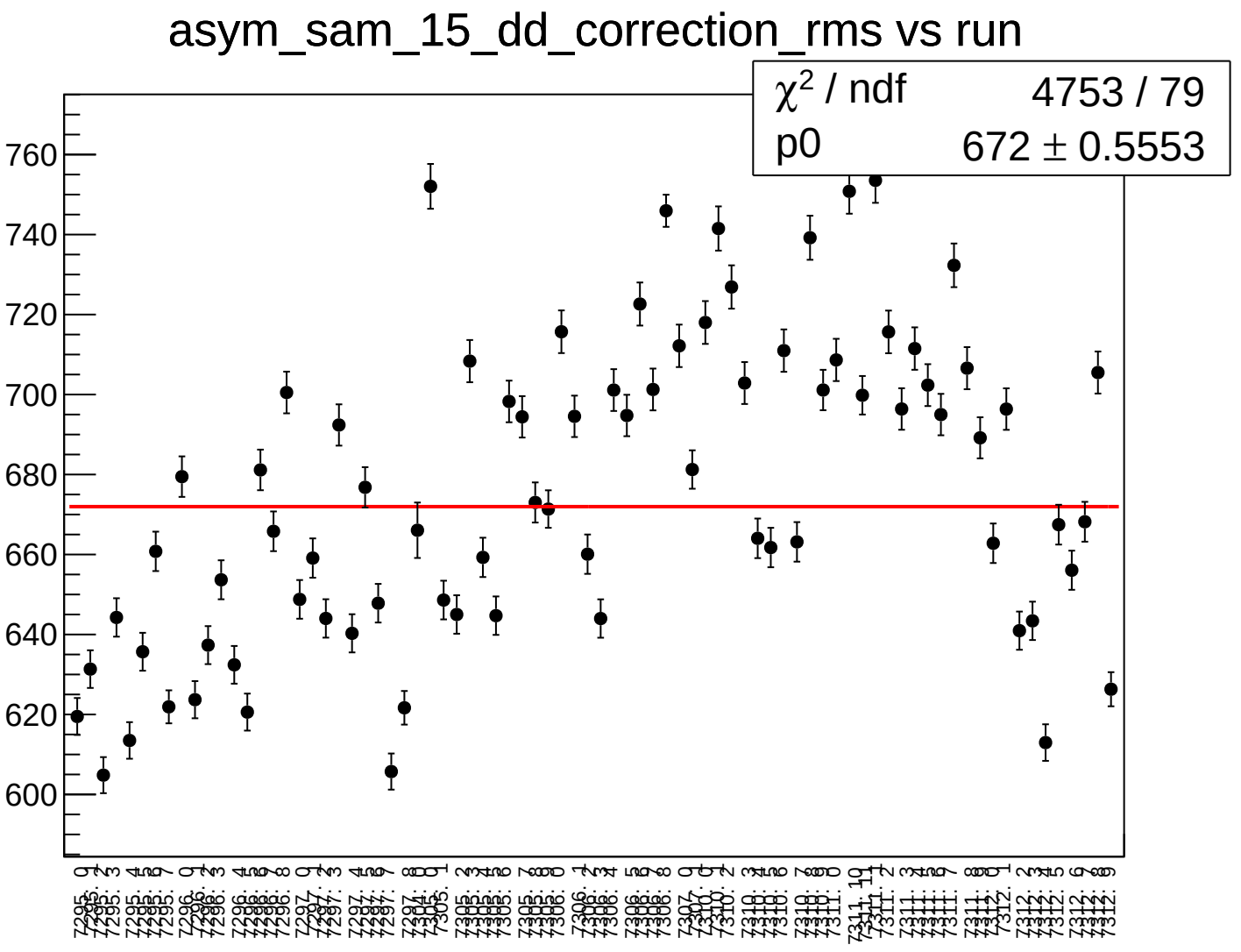

dit_asym_sam_15_dd_mean vs run
χ² / ndf 61.28 / 79
p0 −27.4 ± 147.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −9871
Std Dev 9907
2
1
0
−1
−2

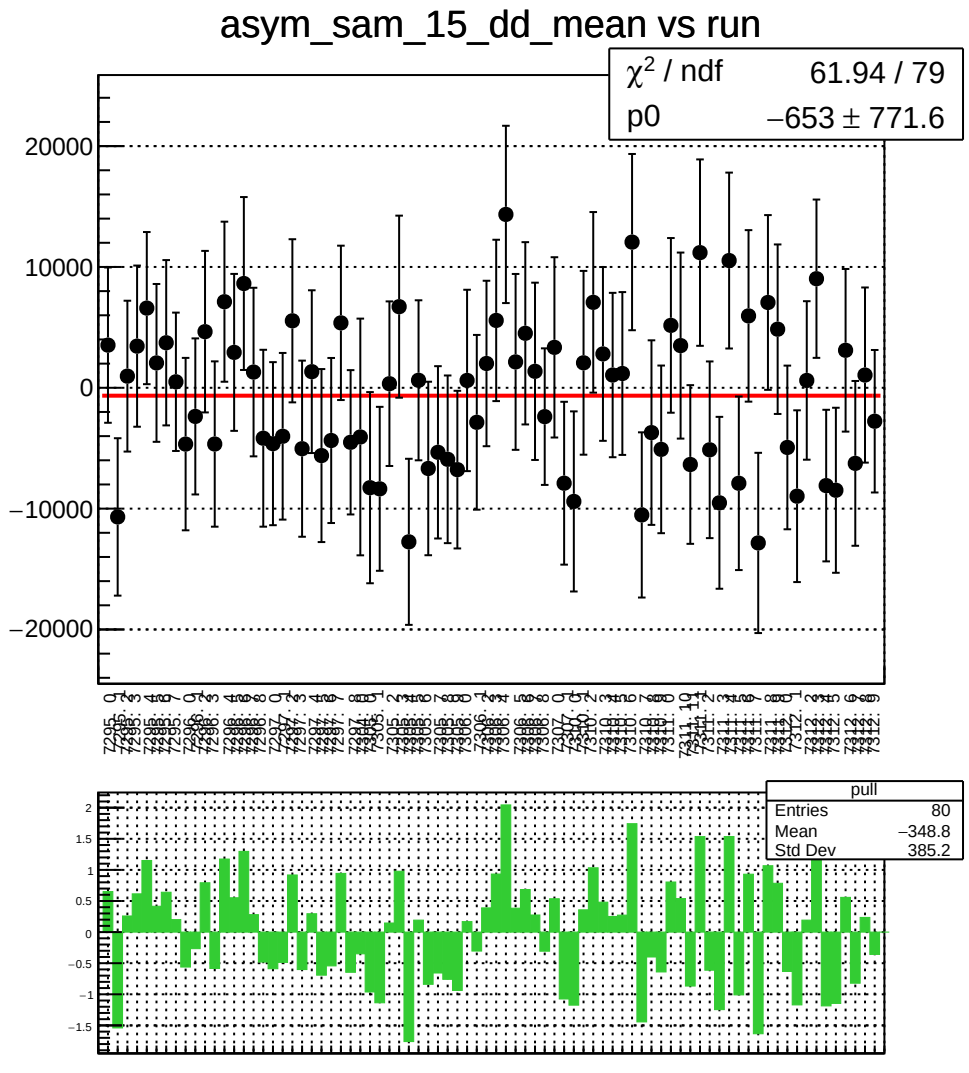

pull1D
Entries 80
Mean −0.0002788
Std Dev 0.8752
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

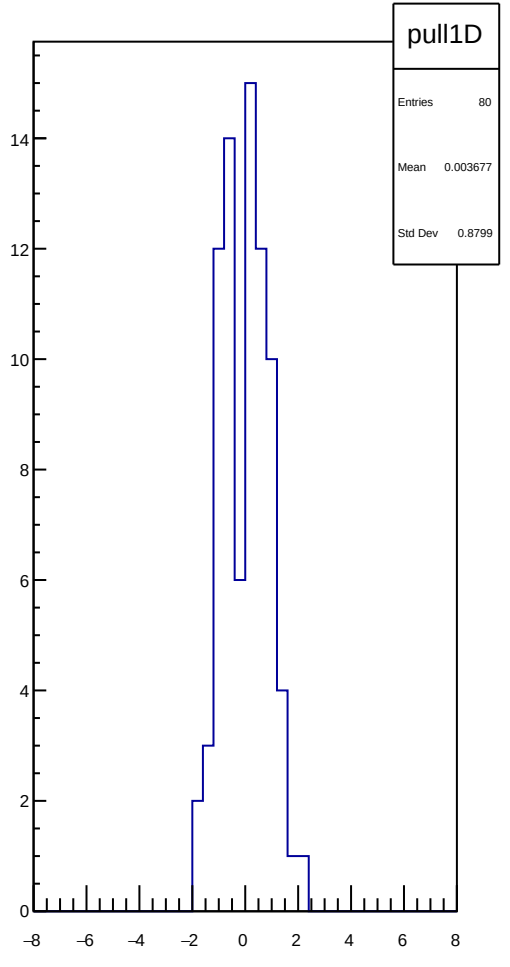

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3060 / 79
p0 126 ± 0.104
150
145
140
135
130
125
120
115

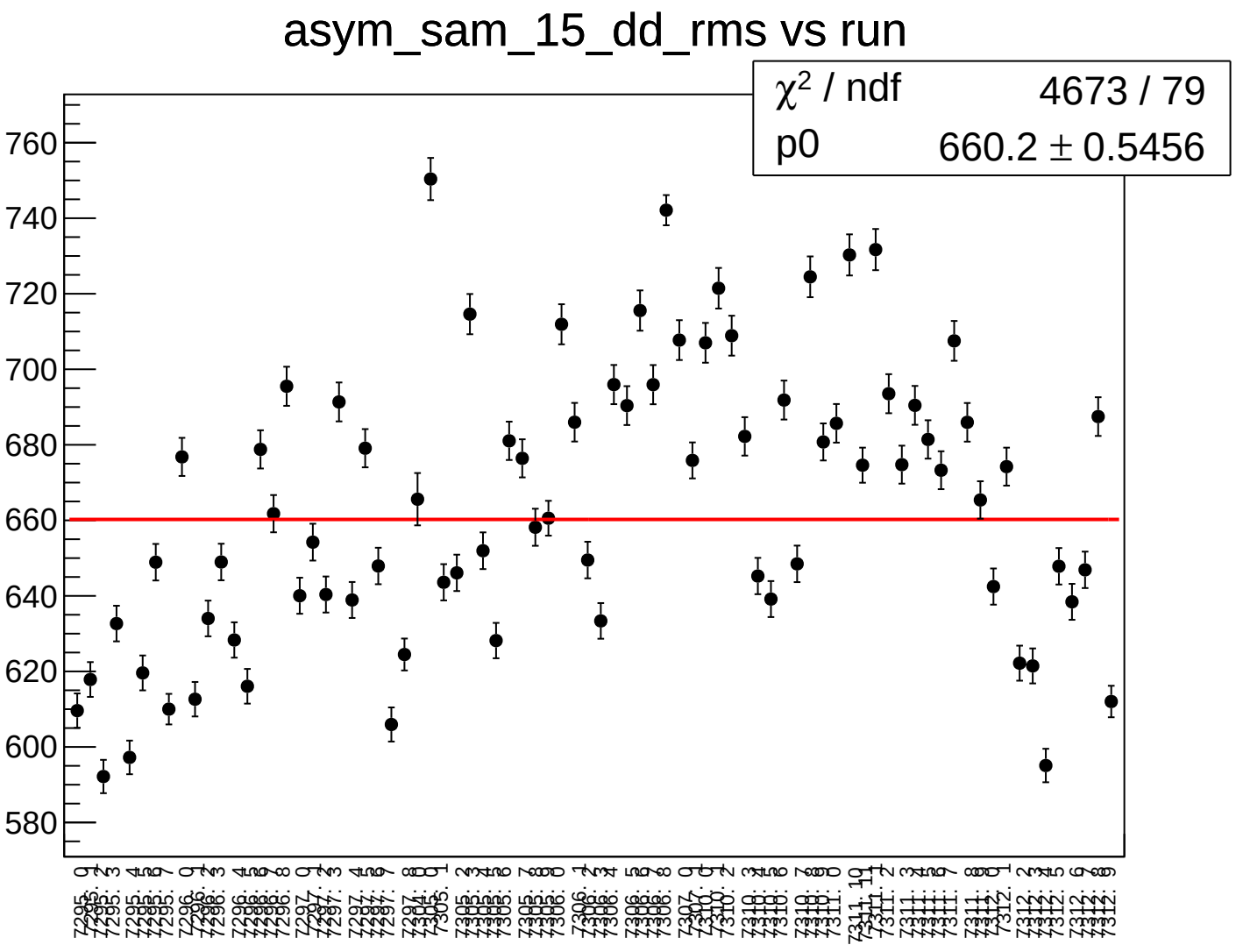

asym_sam_15_dd_correction_mean vs run
χ² / ndf 60.47 / 79
p0 613.1 ± 785.4
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −667
Std Dev 703.1
1.5
1
0.5
0
−0.5
−1
−1.5

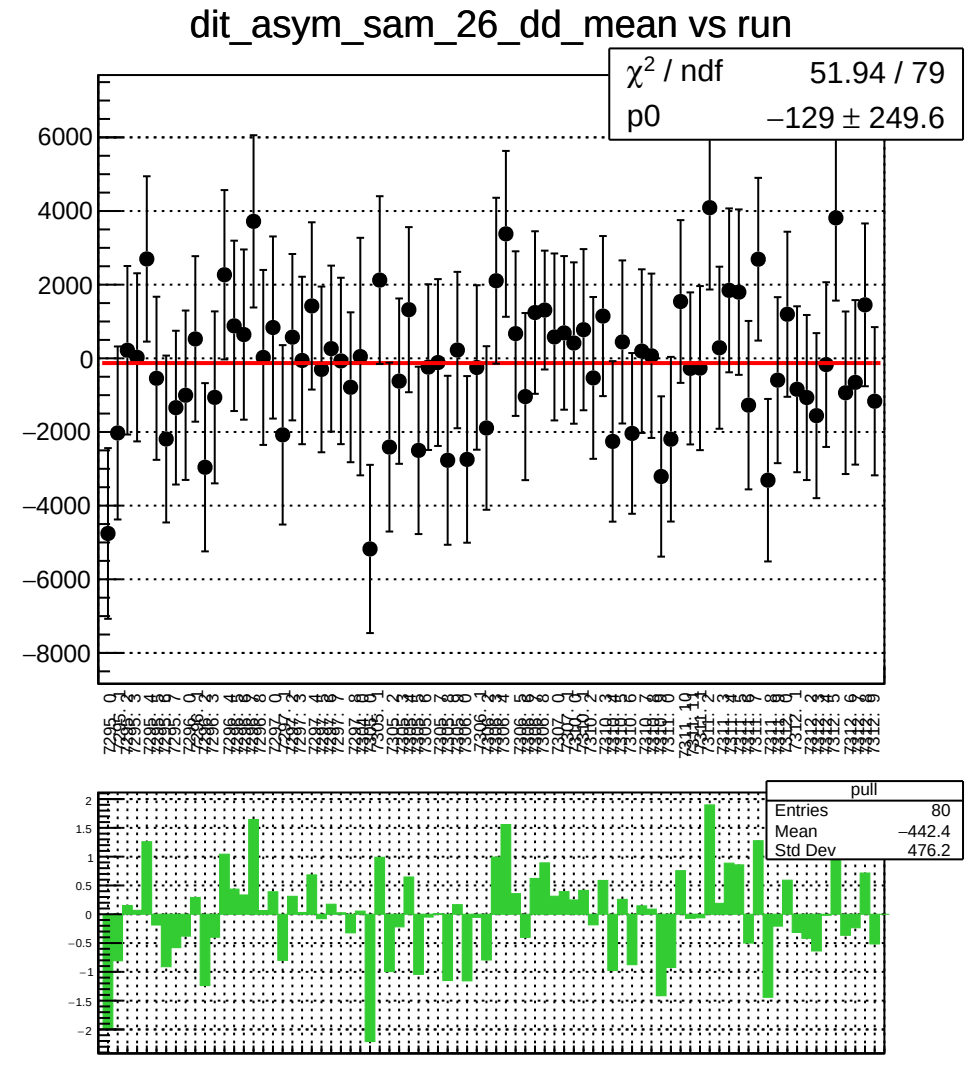

pull1D
Entries 80
Mean −0.002658
Std Dev 0.8694
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

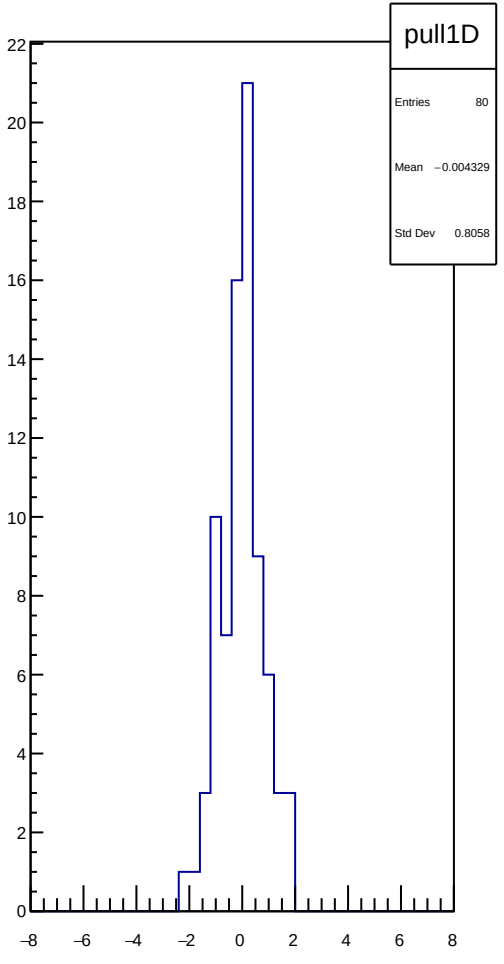

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4753 / 79
p0 672 ± 0.5553
760
740
720
700
680
660
640
620
600

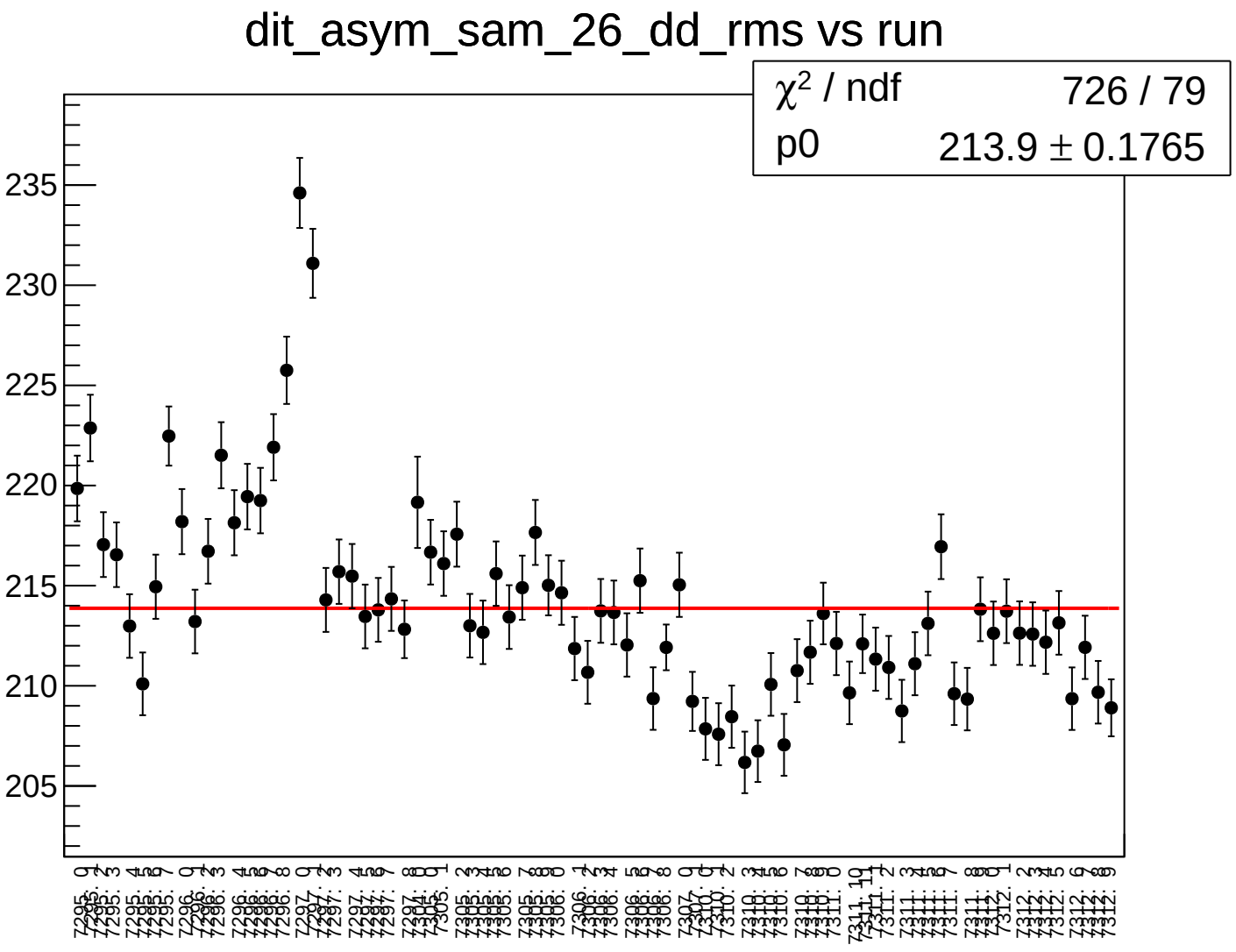

asym_sam_15_dd_mean vs run
χ² / ndf 61.94 / 79
p0 −653 ± 771.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −348.8
Std Dev 385.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

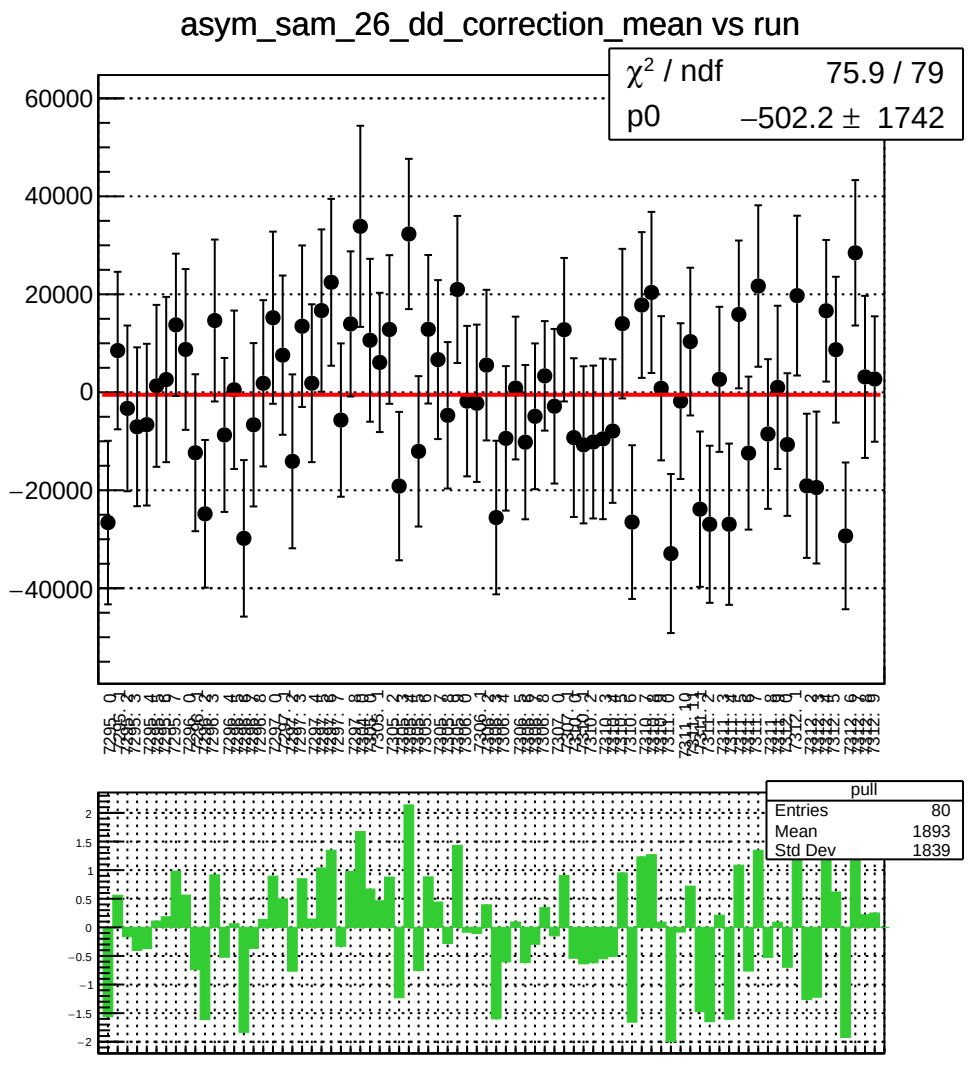

pull1D
Entries 80
Mean 0.003677
Std Dev 0.8799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

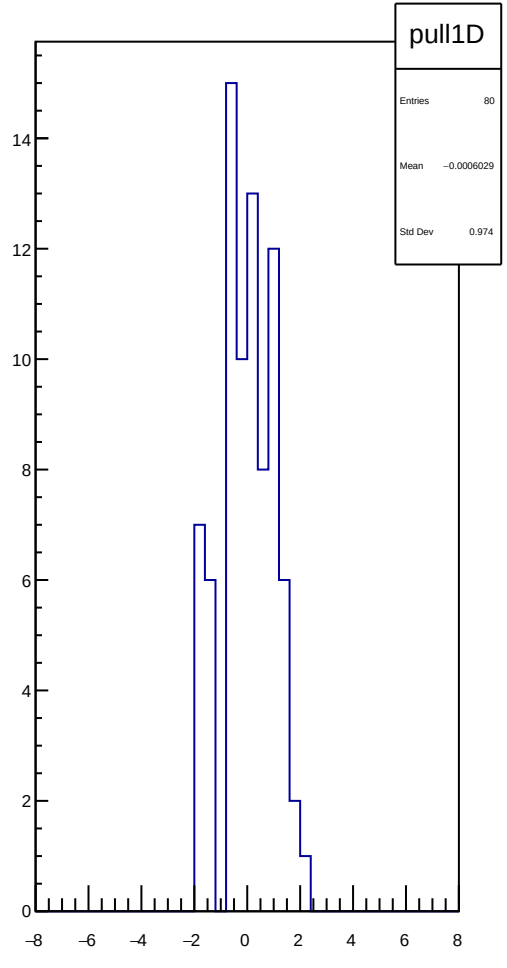

asym_sam_15_dd_rms vs run
χ² / ndf 4673 / 79
p0 660.2 ± 0.5456
760
740
720
700
680
660
640
620
600
580

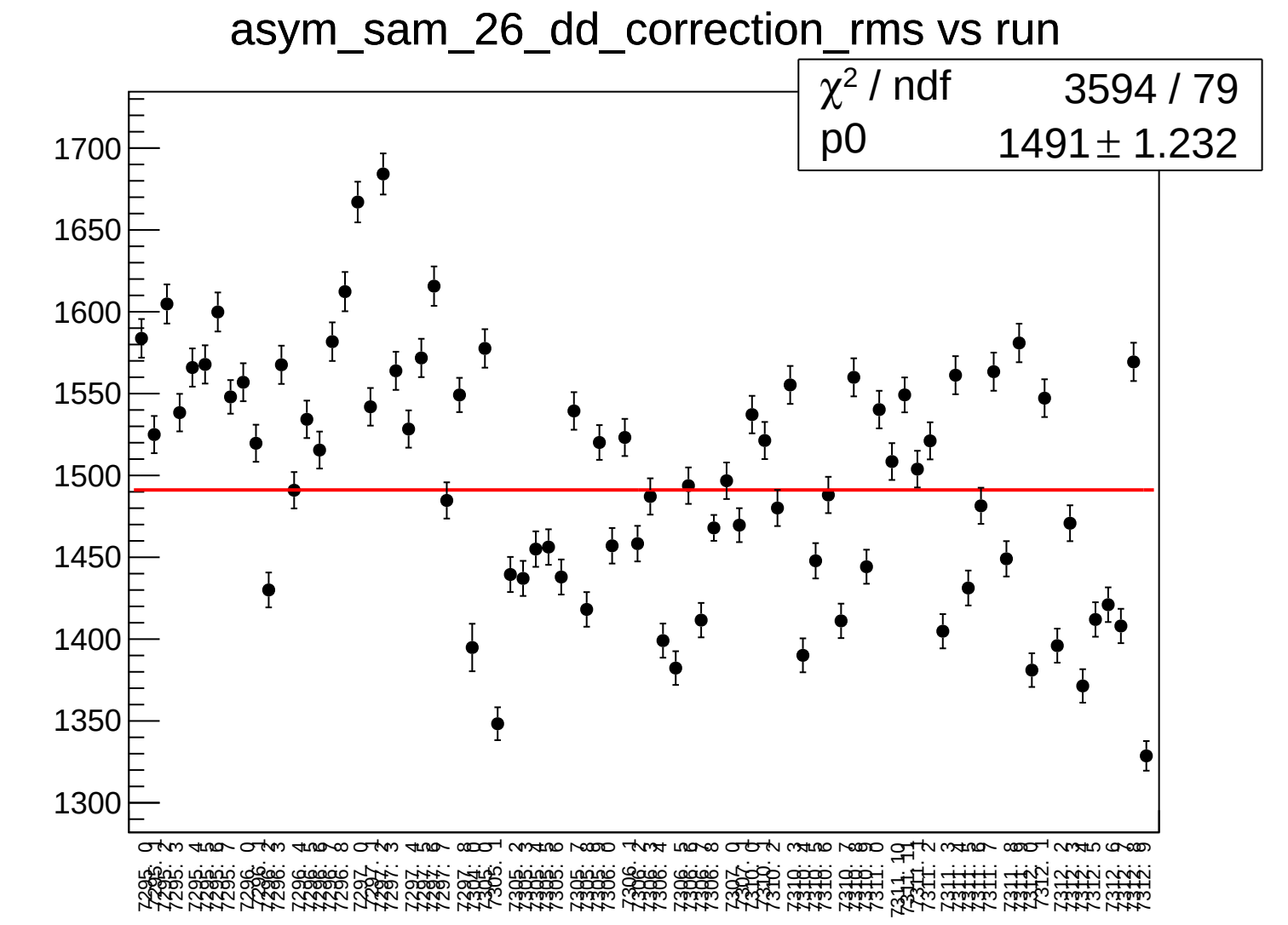

dit_asym_sam_26_dd_mean vs run
χ² / ndf 51.94 / 79
p0 −129 ± 249.6
pull
Entries 80
Mean −442.4
Std Dev 476.2

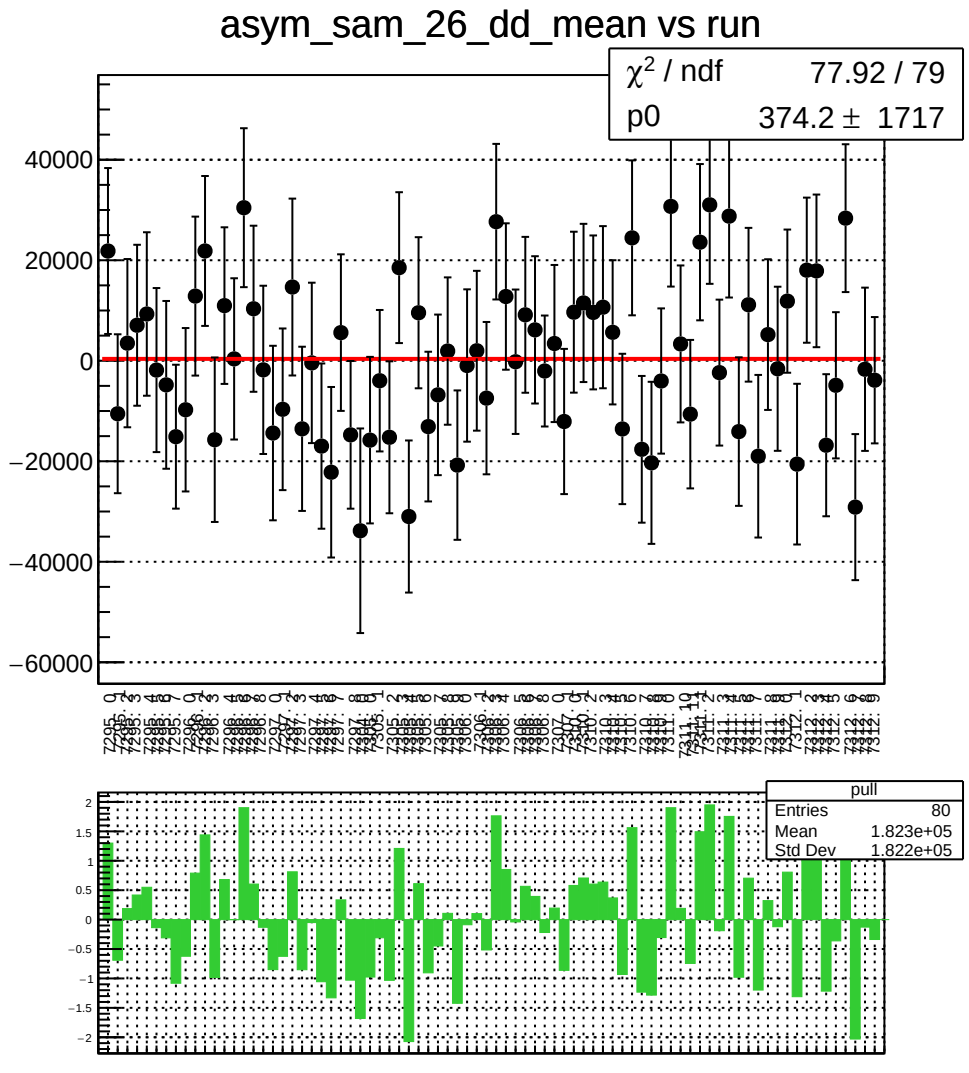

pull1D
Entries 80
Mean −0.004329
Std Dev 0.8058

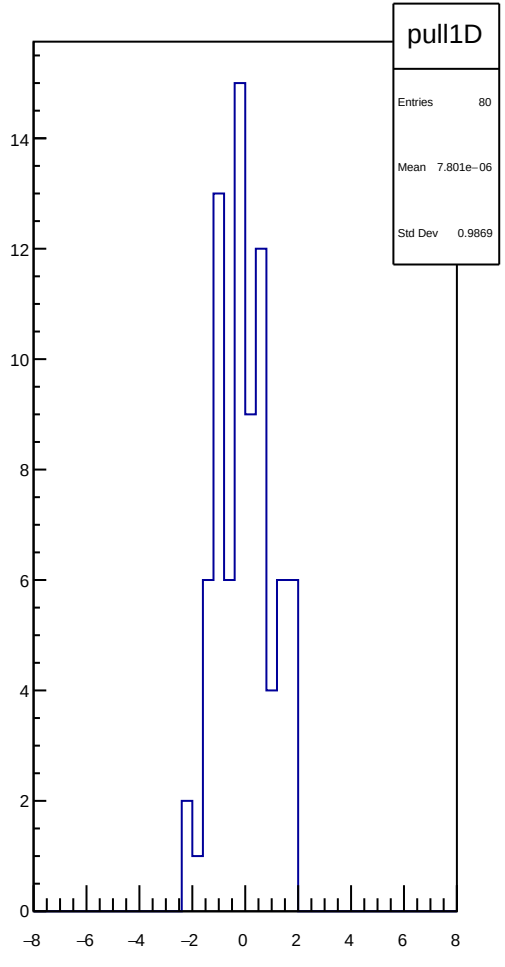

dit_asym_sam_26_dd_rms vs run
χ² / ndf 726 / 79
p0 213.9 ± 0.1765
235
230
225
220
215
210
205

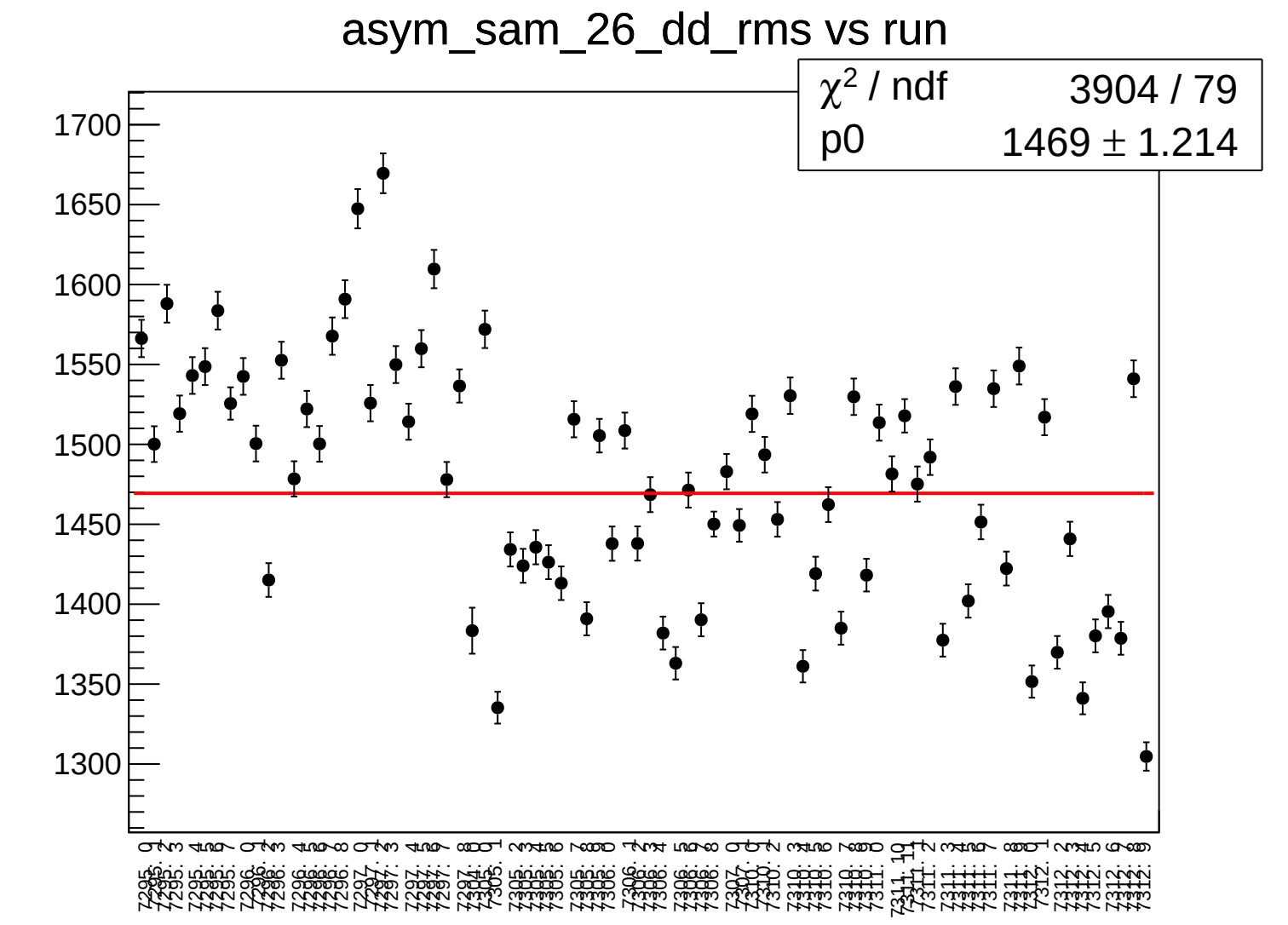

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.9 / 79
p0 −502.2 ± 1742
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1893
Std Dev 1839
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

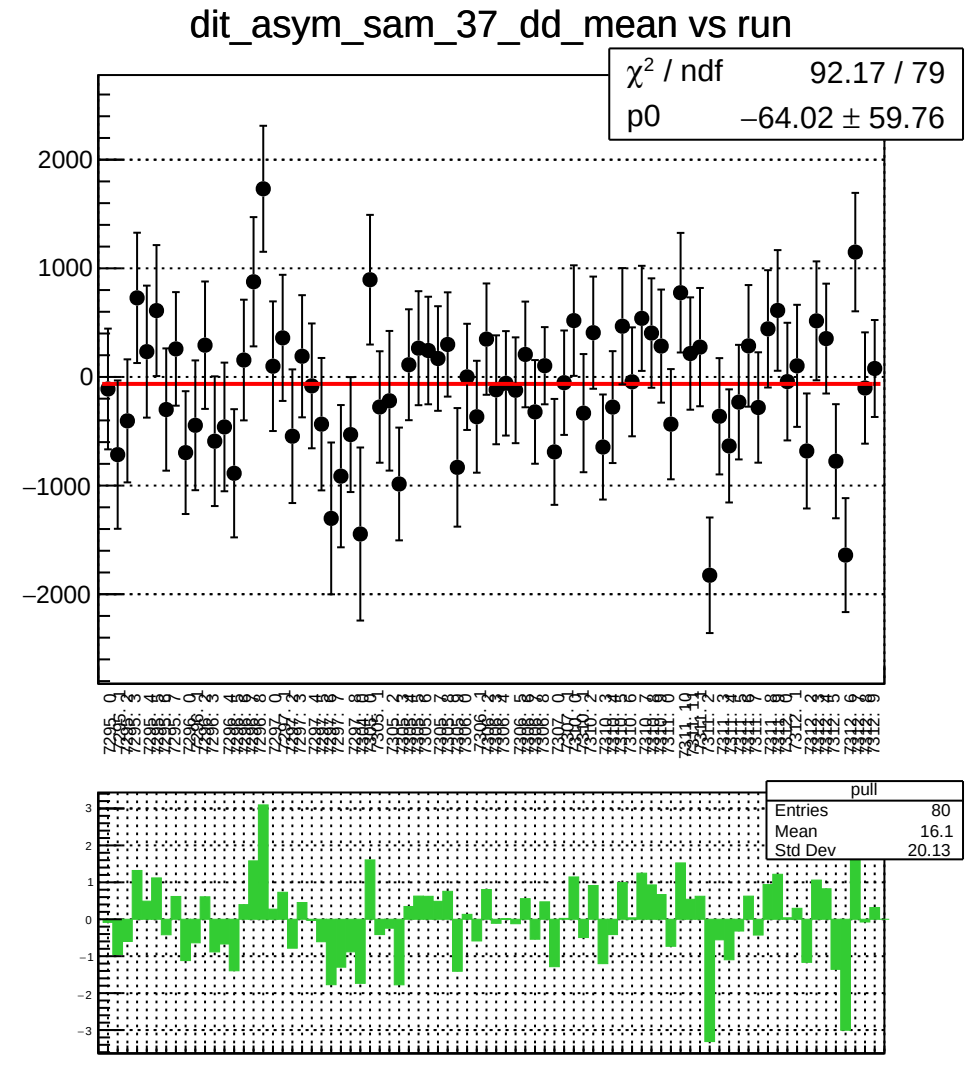

pull1D
Entries 80
Mean −0.0006029
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

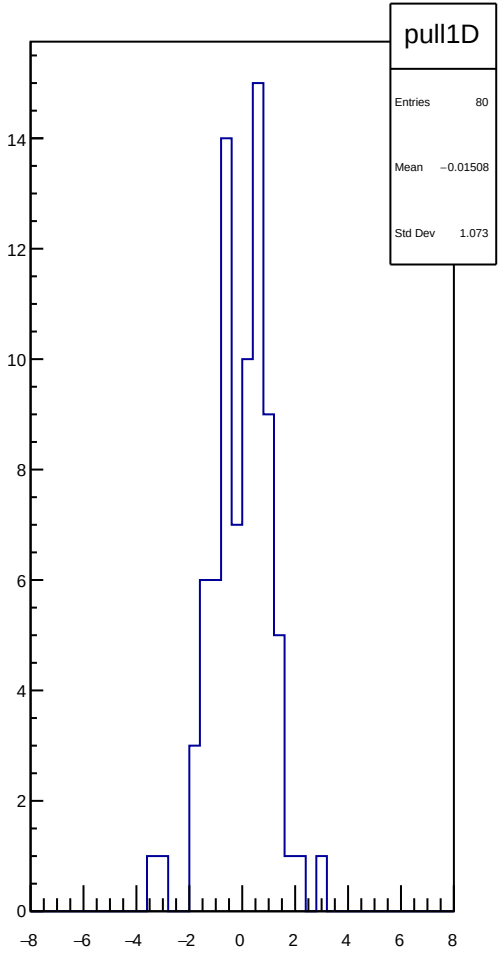

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3594 / 79
p0 1491 ± 1.232
1700
1650
1600
1550
1500
1450
1400
1350
1300

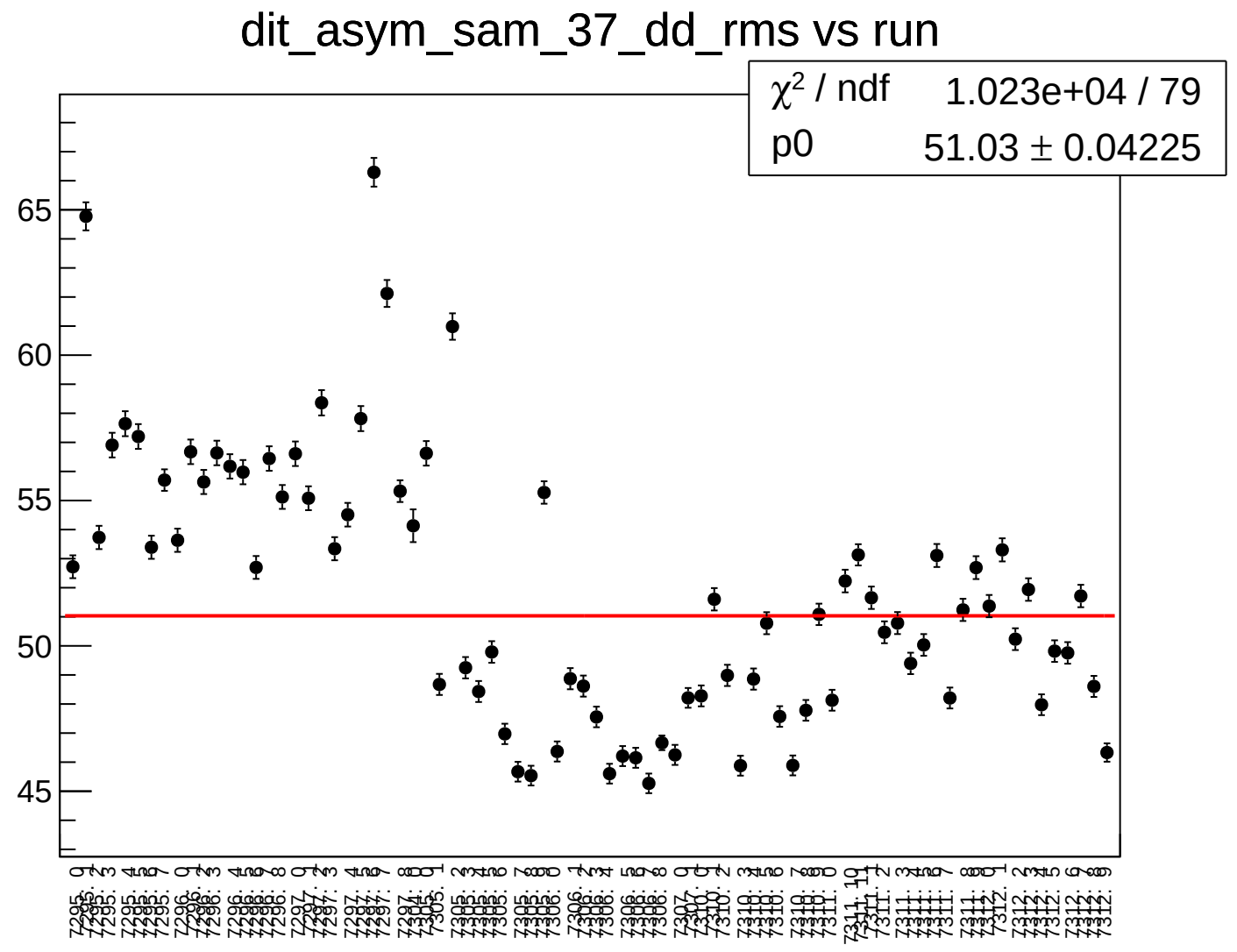

asym_sam_26_dd_mean vs run
χ² / ndf 77.92 / 79
p0 374.2 ± 1717
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1.823e+05
Std Dev 1.822e+05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

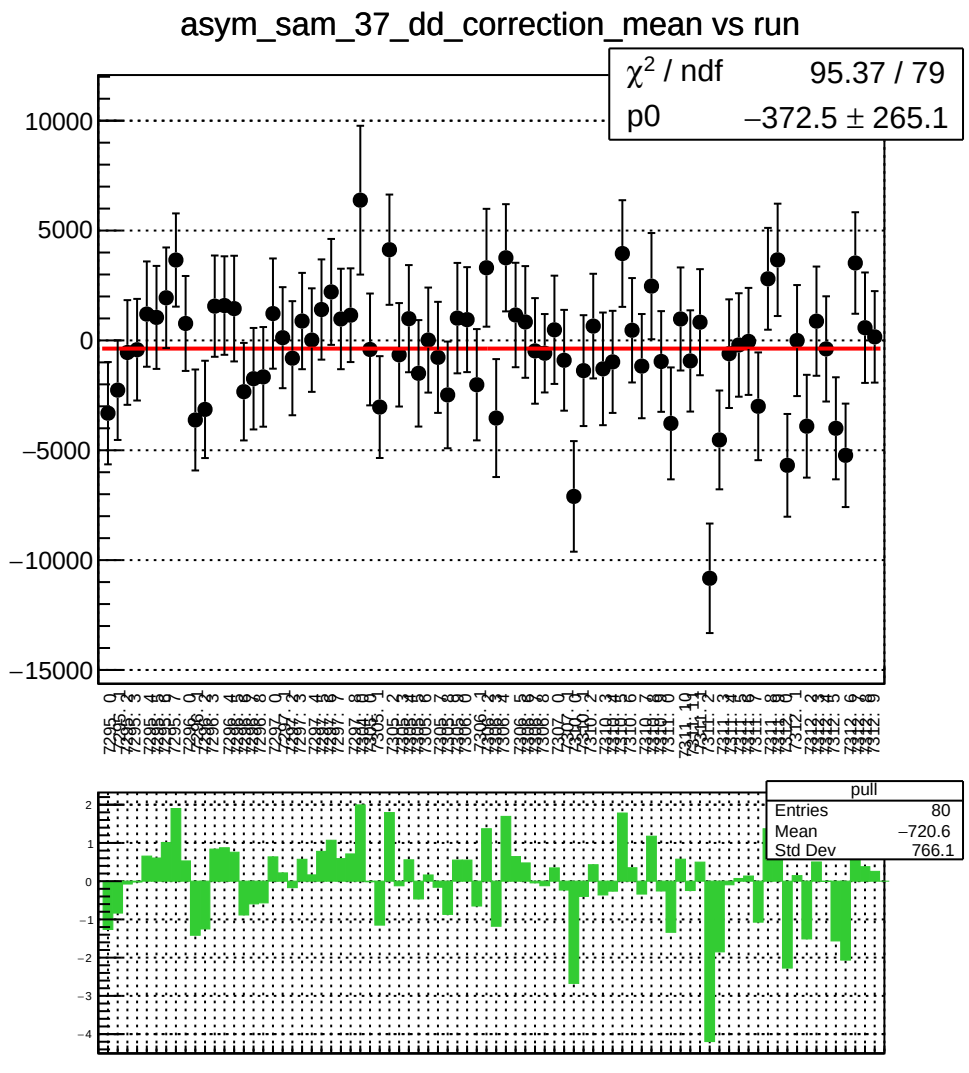

pull1D
Entries 80
Mean 7.801e−06
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

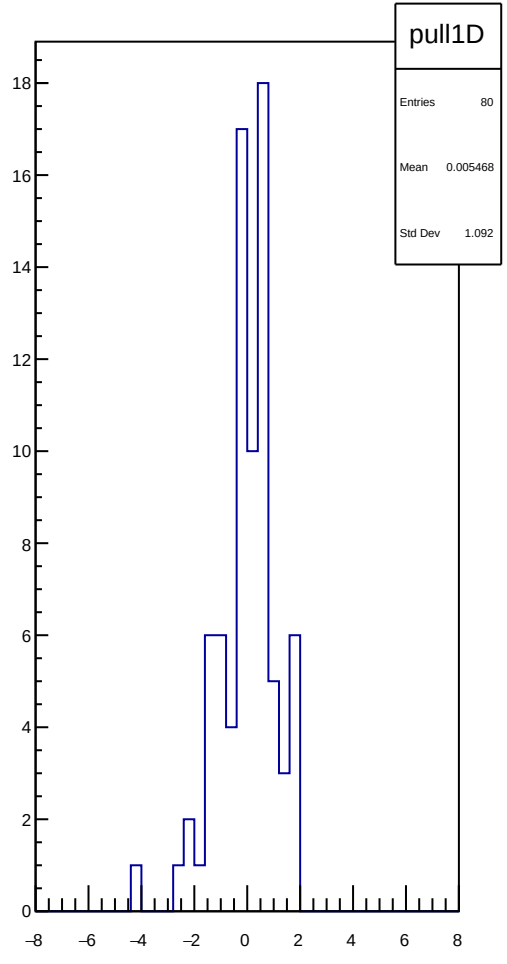

asym_sam_26_dd_rms vs run
χ² / ndf 3904 / 79
p0 1469 ± 1.214
1700
1650
1600
1550
1500
1450
1400
1350
1300

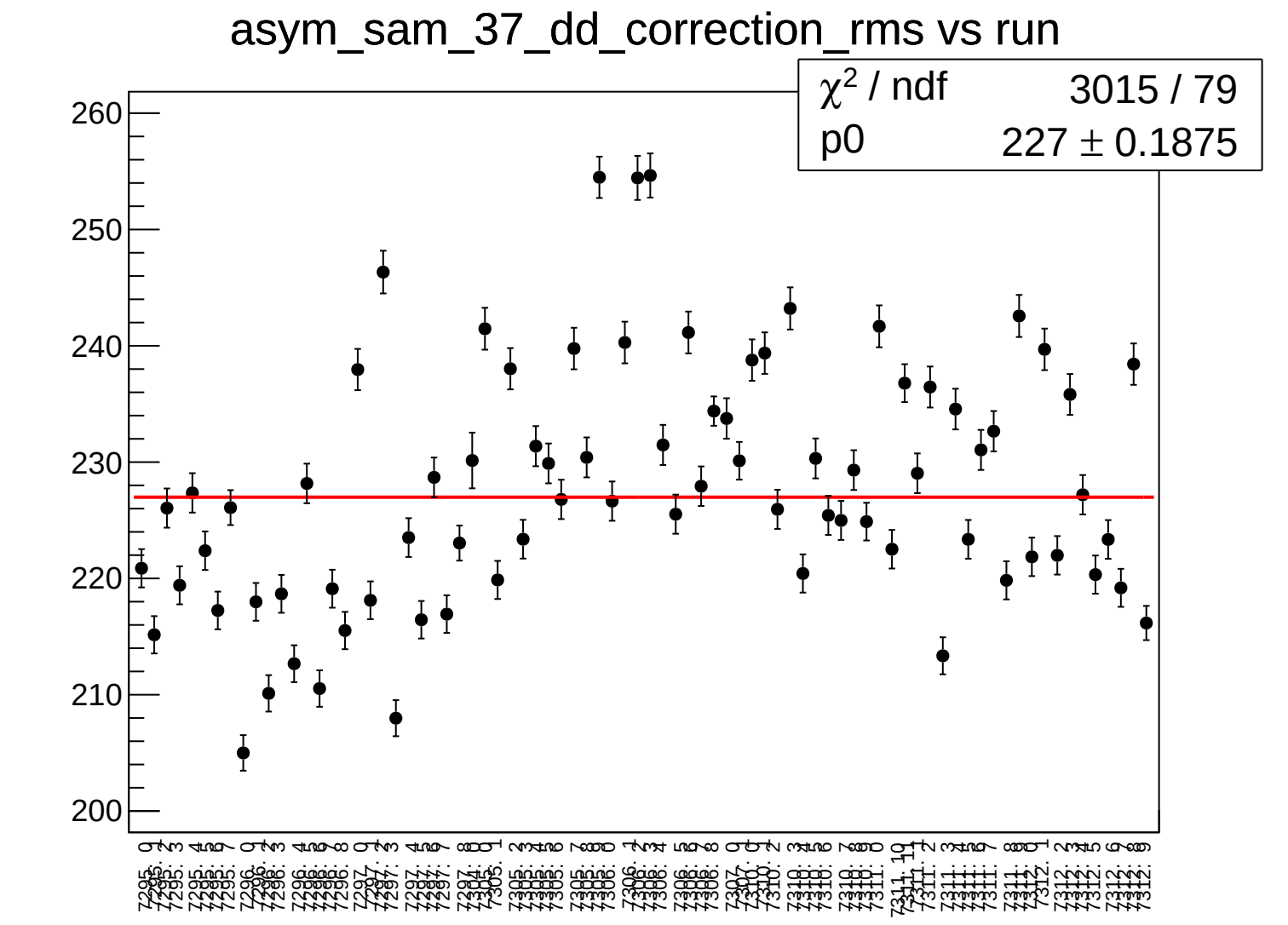

dit_asym_sam_37_dd_mean vs run
χ² / ndf 92.17 / 79
p0 −64.02 ± 59.76
pull
Entries 80
Mean 16.1
Std Dev 20.13

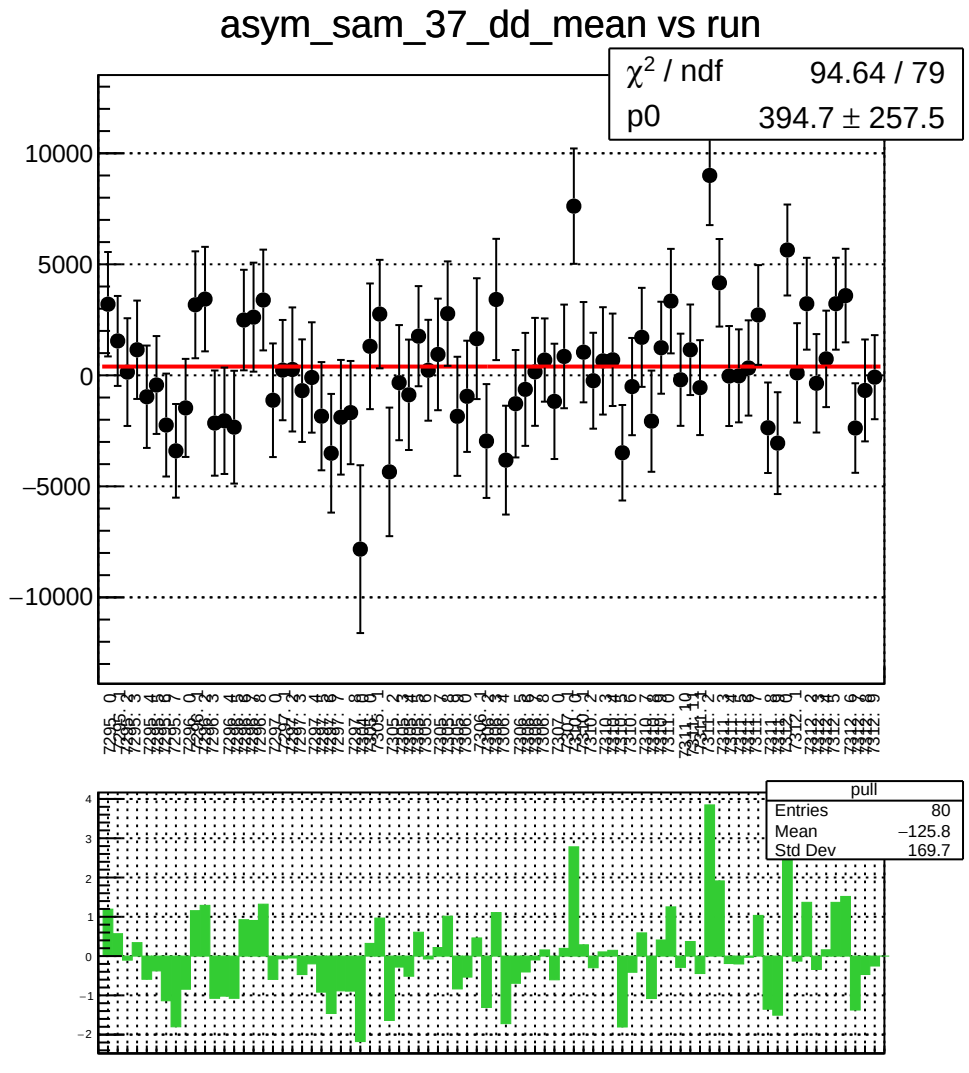

pull1D
Entries 80
Mean −0.01508
Std Dev 1.073

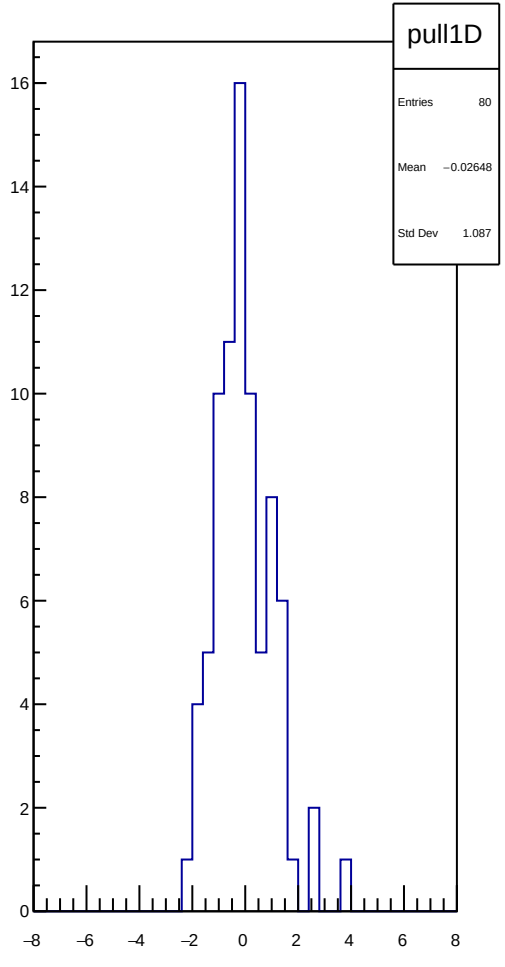

dit_asym_sam_37_dd_rms vs run
χ² / ndf 1.023e+04 / 79
p0 51.03 ± 0.04225
65
60
55
50
45

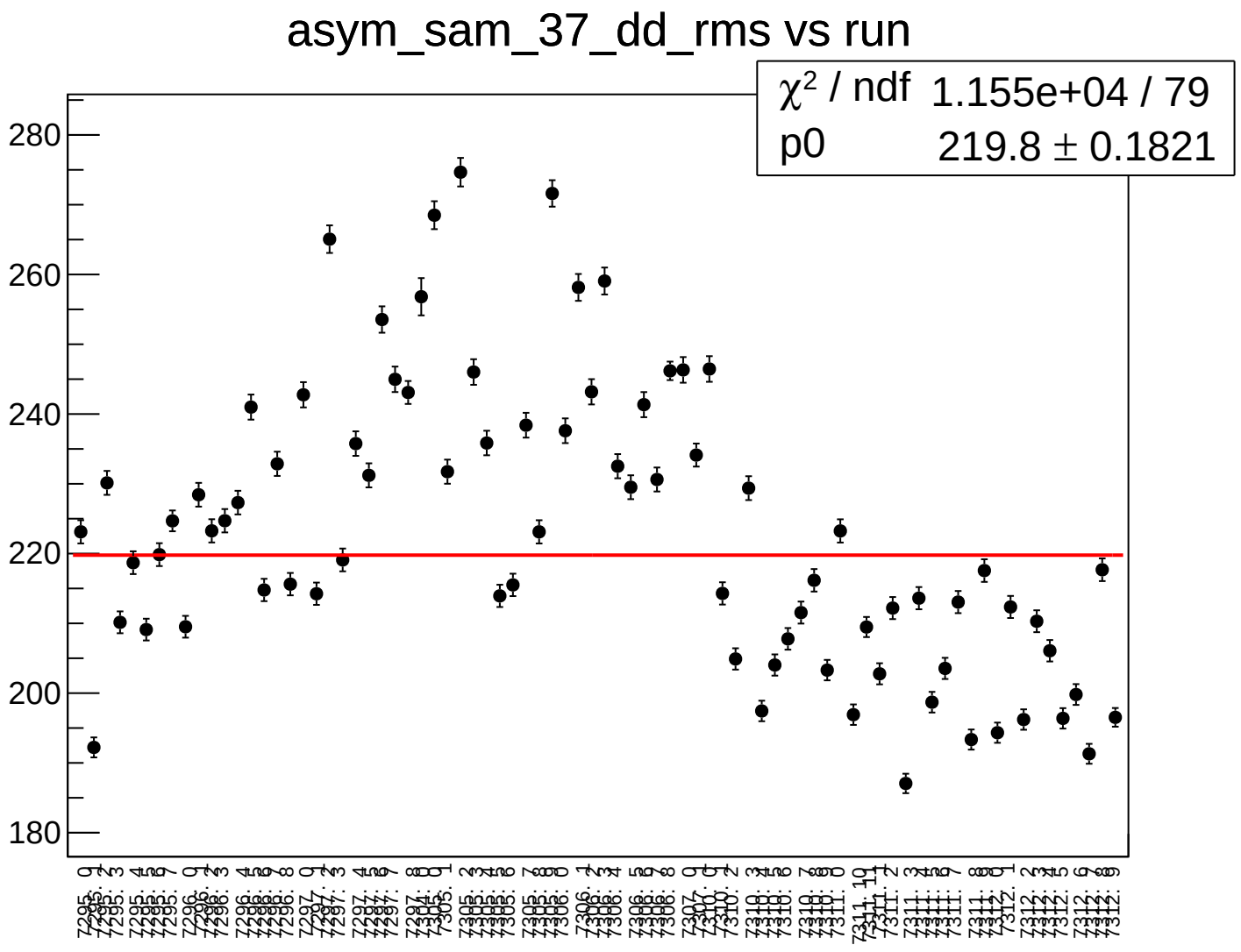

asym_sam_37_dd_correction_mean vs run
χ² / ndf 95.37 / 79
p0 −372.5 ± 265.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −720.6
Std Dev 766.1
2
1
0
−1
−2
−3
−4

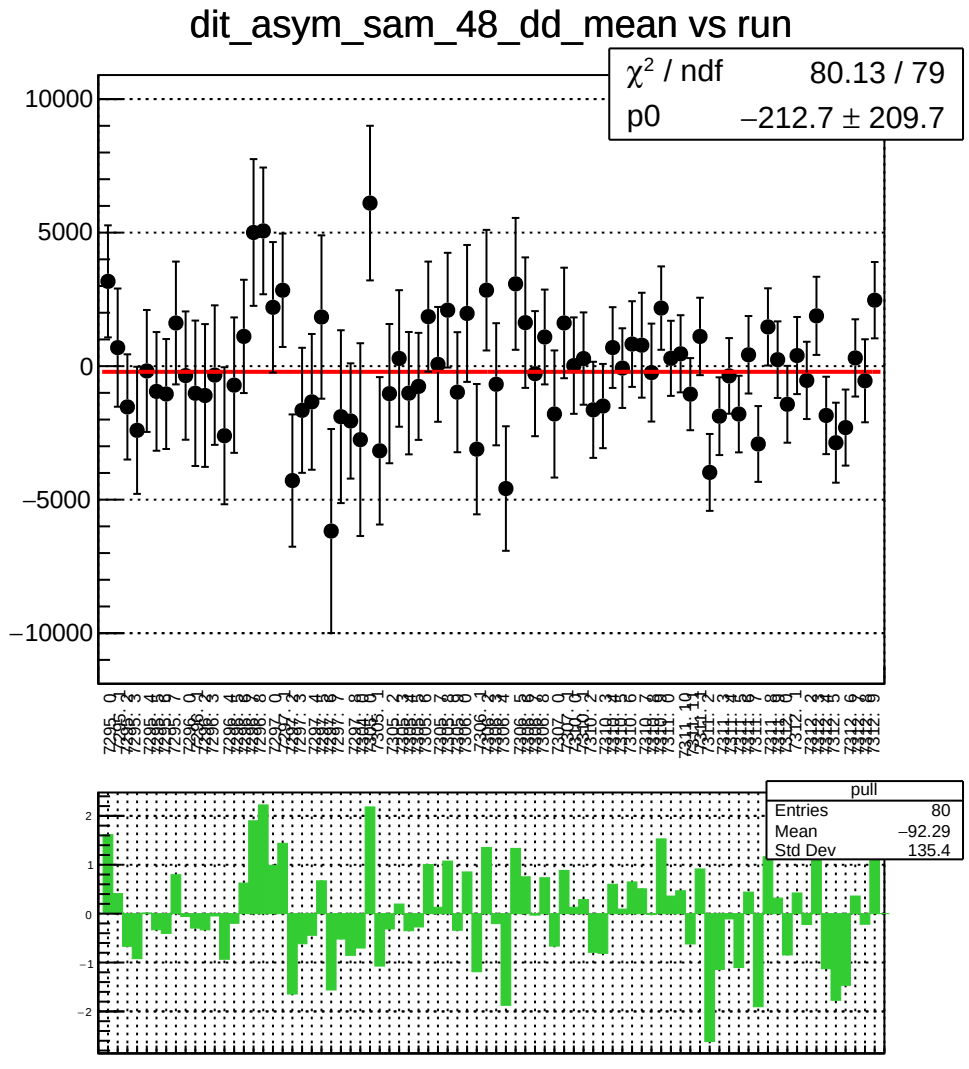

pull1D
Entries 80
Mean 0.005468
Std Dev 1.092
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

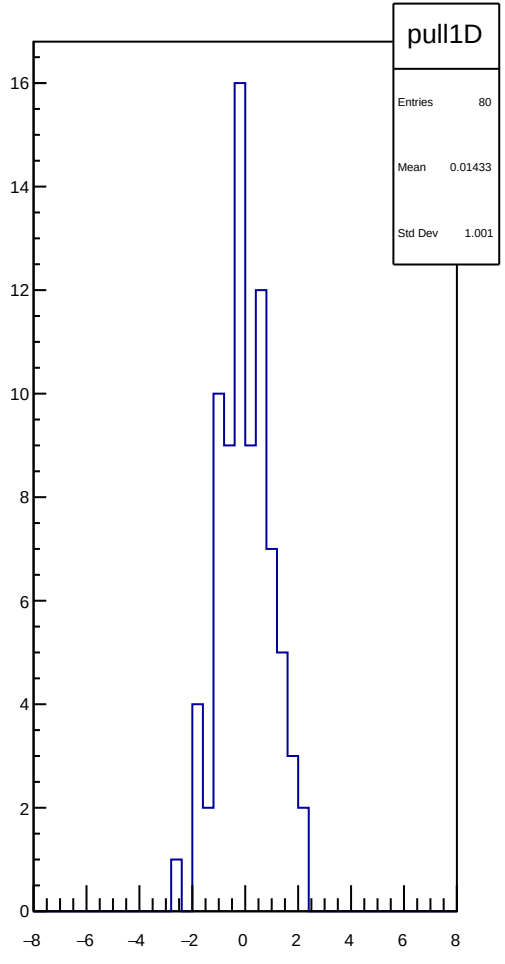

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3015 / 79
p0 227 ± 0.1875
260
250
240
230
220
210
200

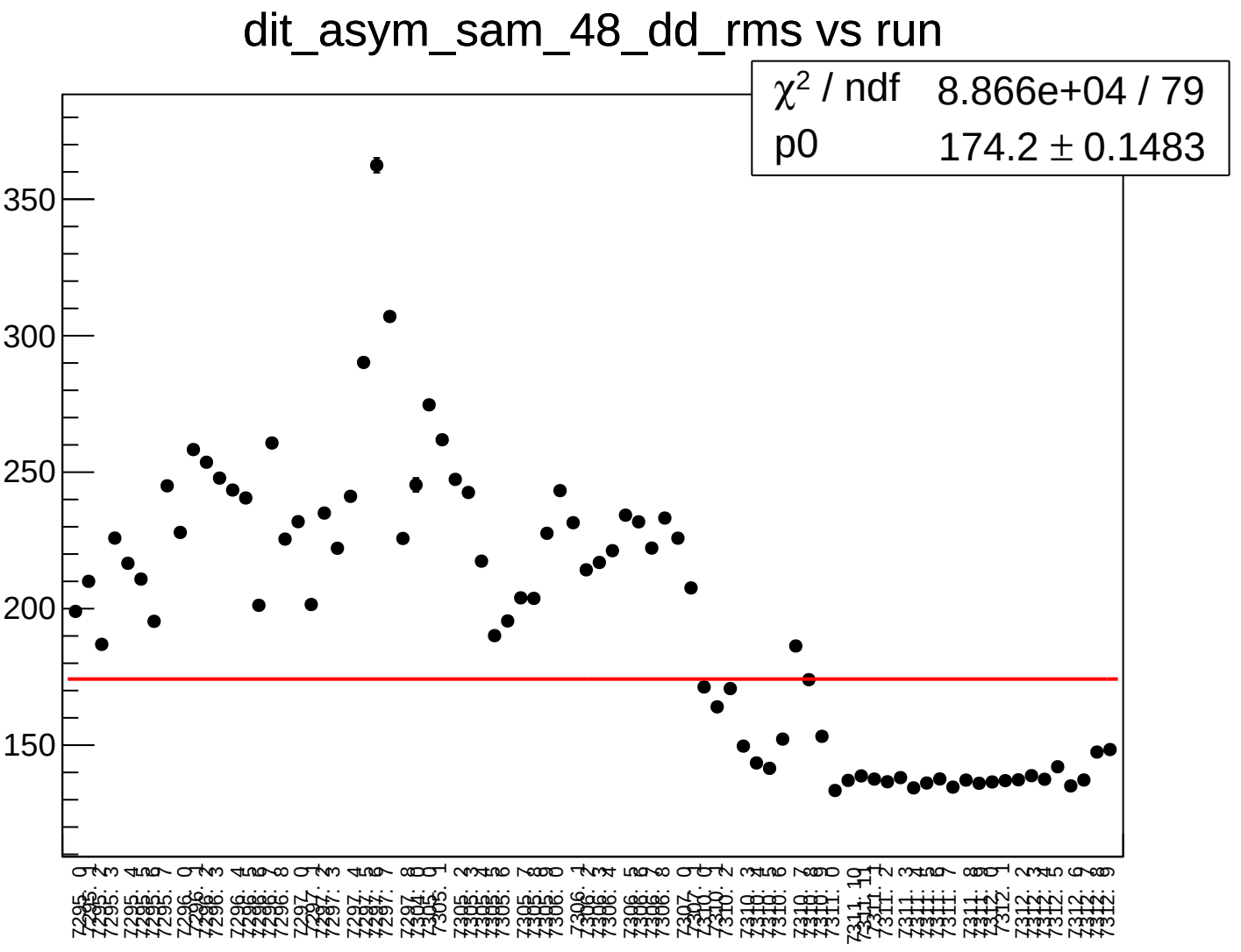

asym_sam_37_dd_mean vs run
χ^2 / ndf 94.64 / 79
p0 394.7 ± 257.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −125.8
Std Dev 169.7
4
3
2
1
0
−1
−2

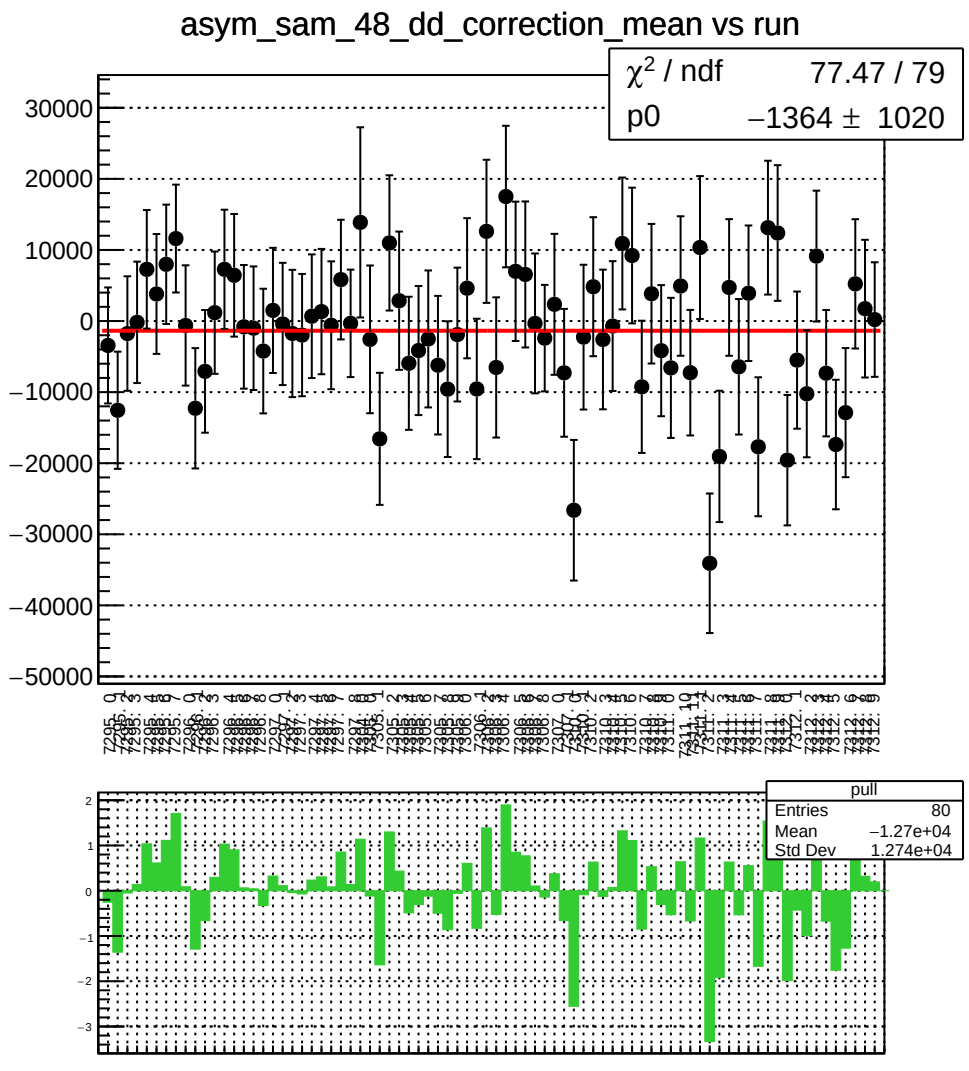

pull1D
Entries 80
Mean −0.02648
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

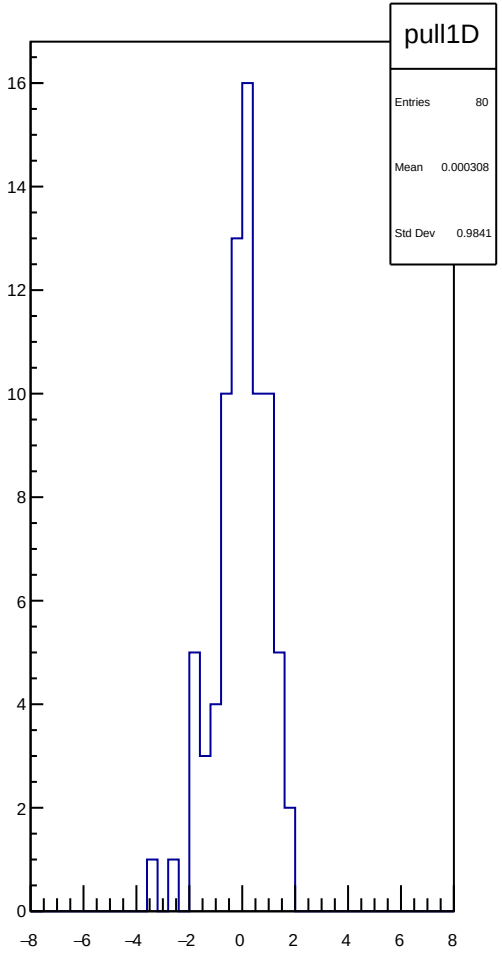

asym_sam_37_dd_rms vs run
χ² / ndf 1.155e+04 / 79
p0 219.8 ± 0.1821
280
260
240
220
200
180

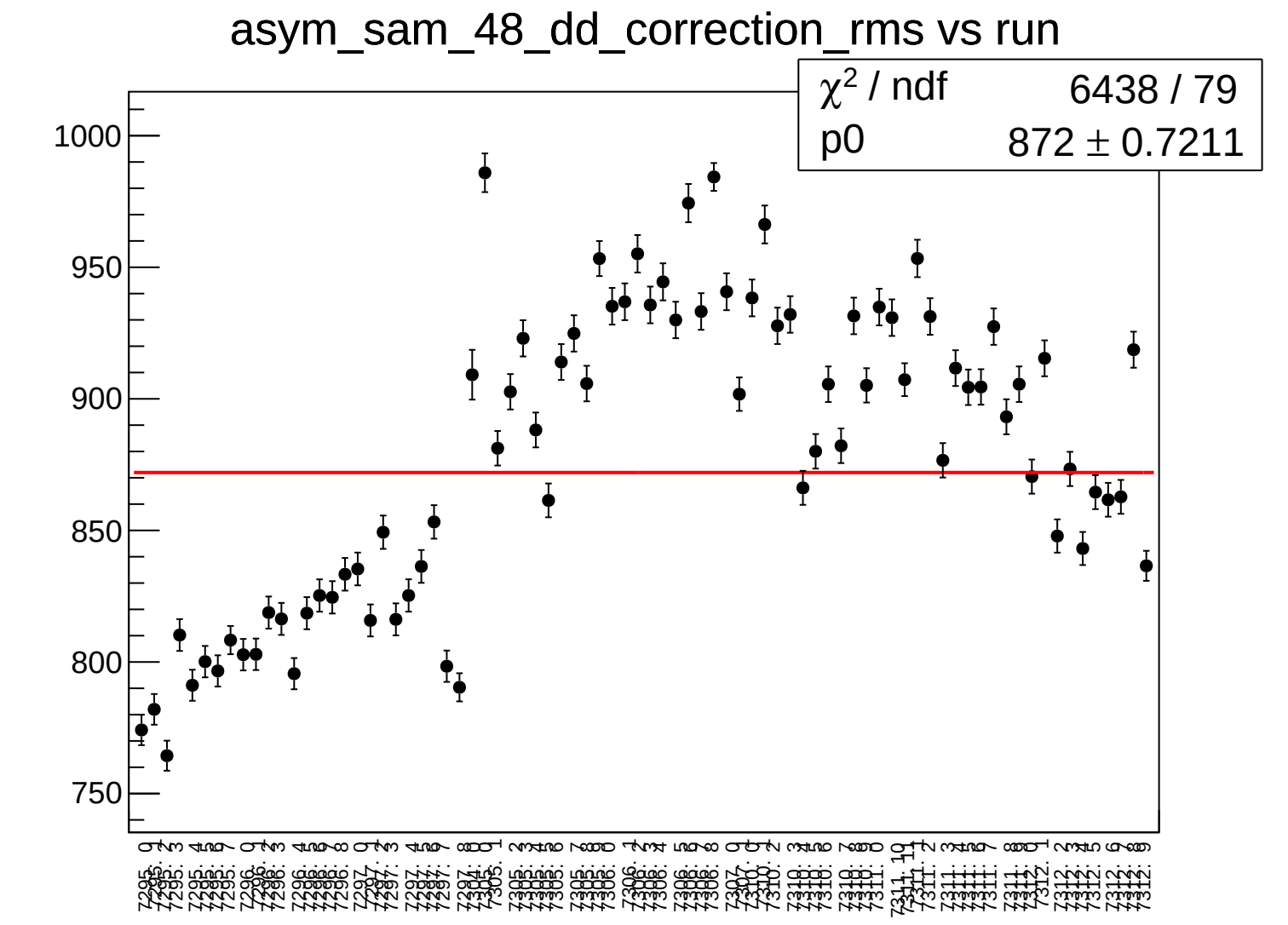

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.13 / 79
p0 −212.7 ± 209.7
pull
Entries 80
Mean −92.29
Std Dev 135.4

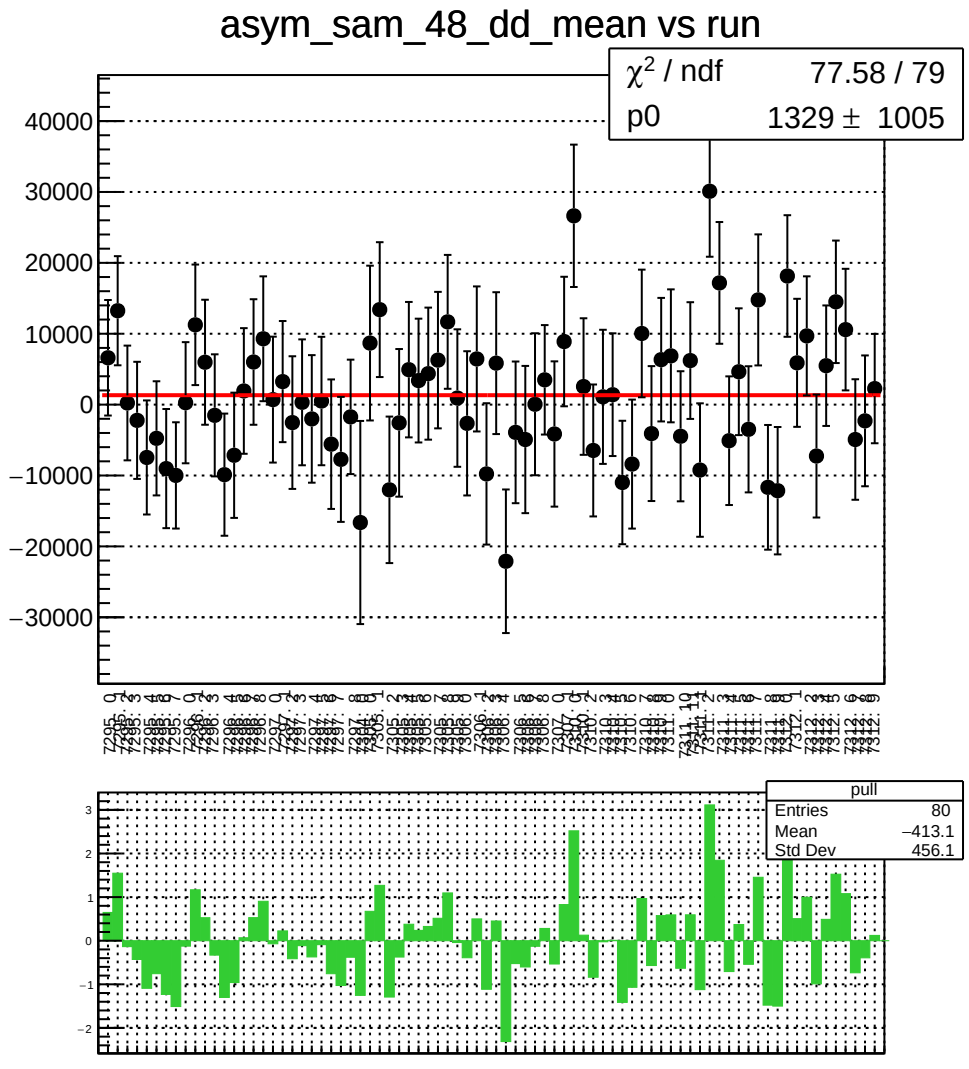

pull1D
Entries 80
Mean 0.01433
Std Dev 1.001

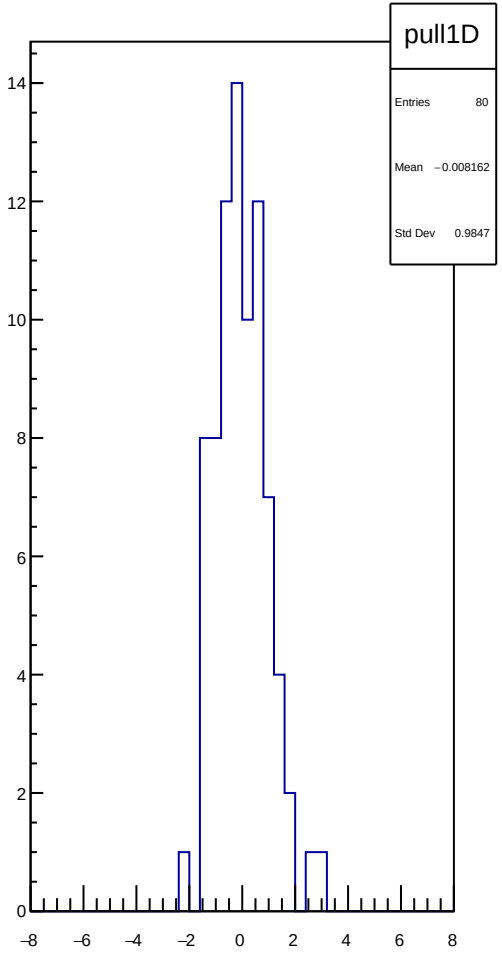

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 8.866e+04 / 79
p0 174.2 ± 0.1483
350
300
250
200
150

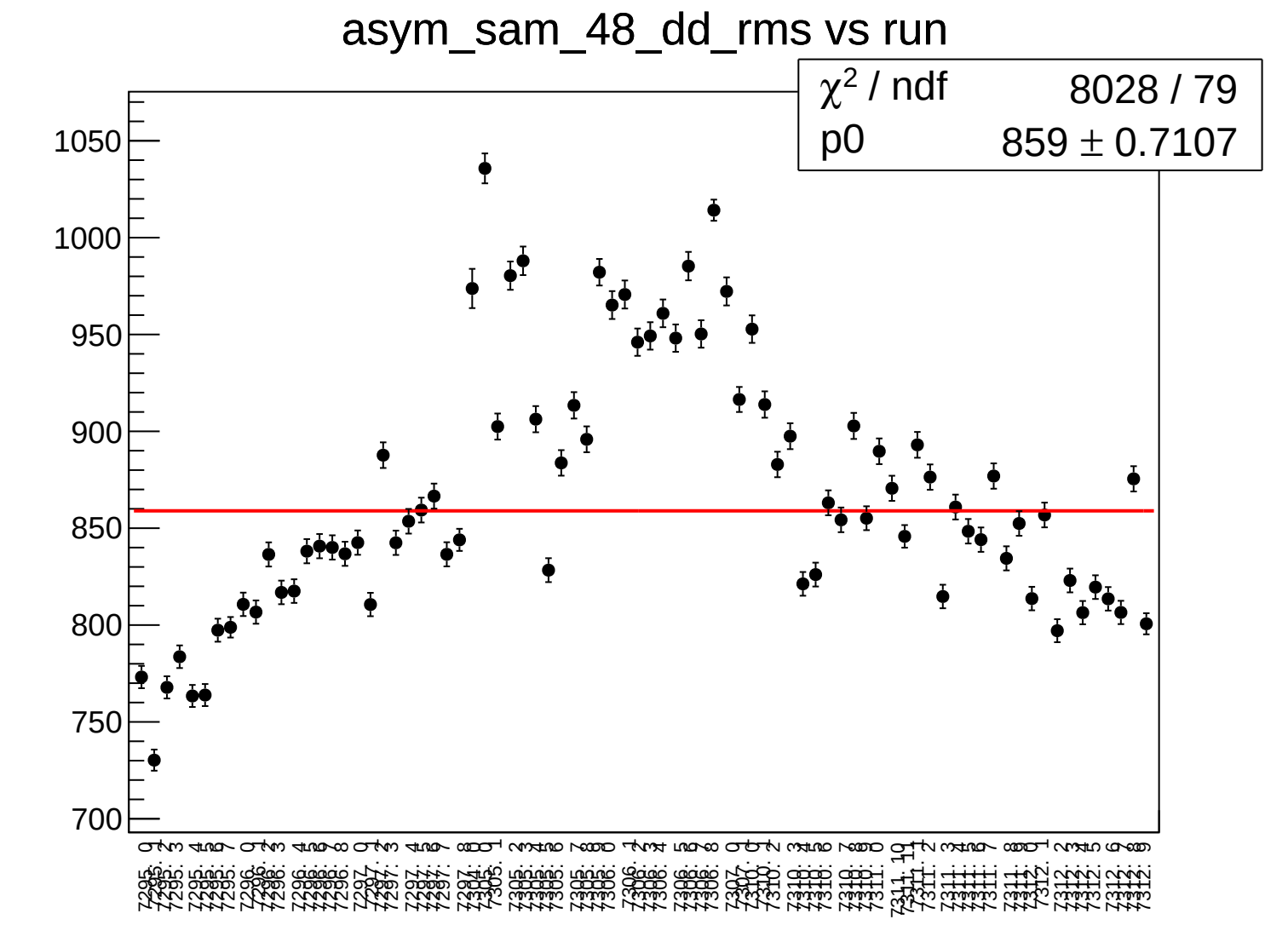

asym_sam_48_dd_correction_mean vs run
χ² / ndf 77.47 / 79
p0 −1364 ± 1020
pull
Entries 80
Mean −1.27e+04
Std Dev 1.274e+04

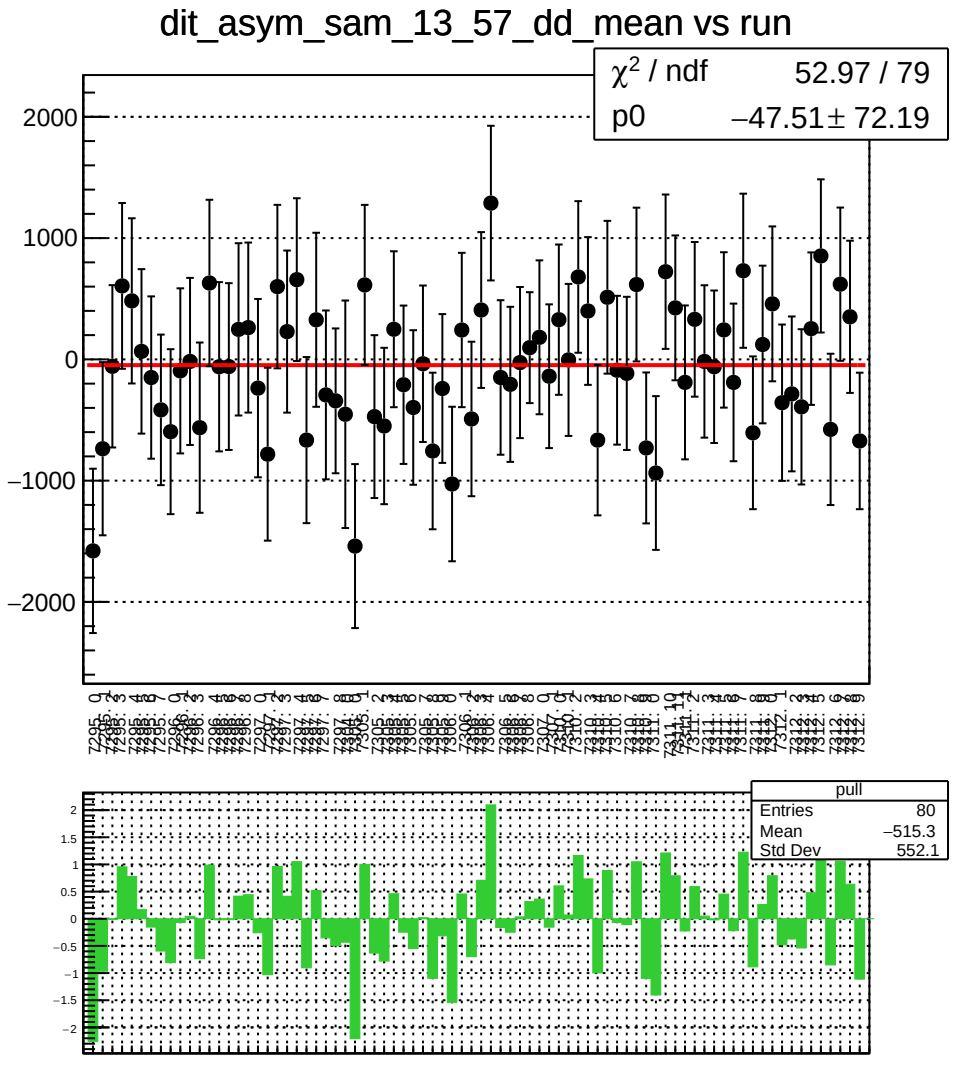

pull1D
Entries 80
Mean 0.000308
Std Dev 0.9841

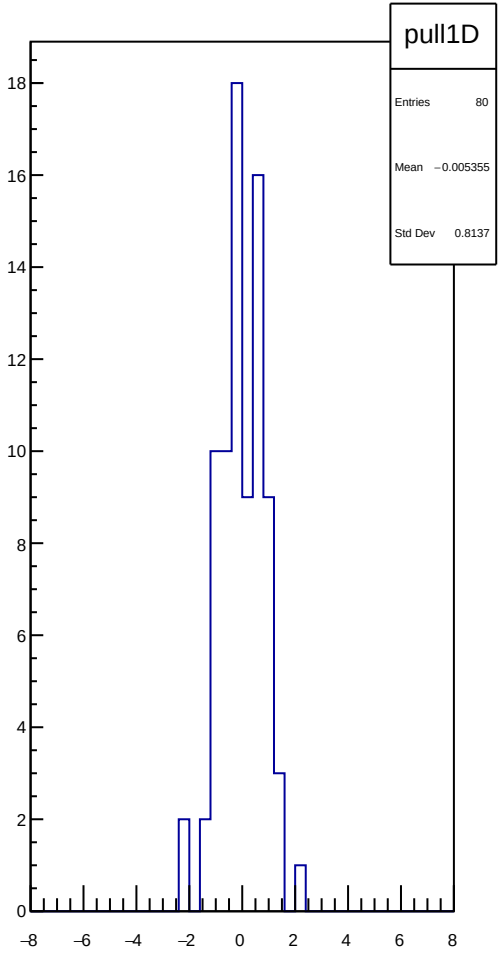

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6438 / 79
p0 872 ± 0.7211
1000
950
900
850
800
750

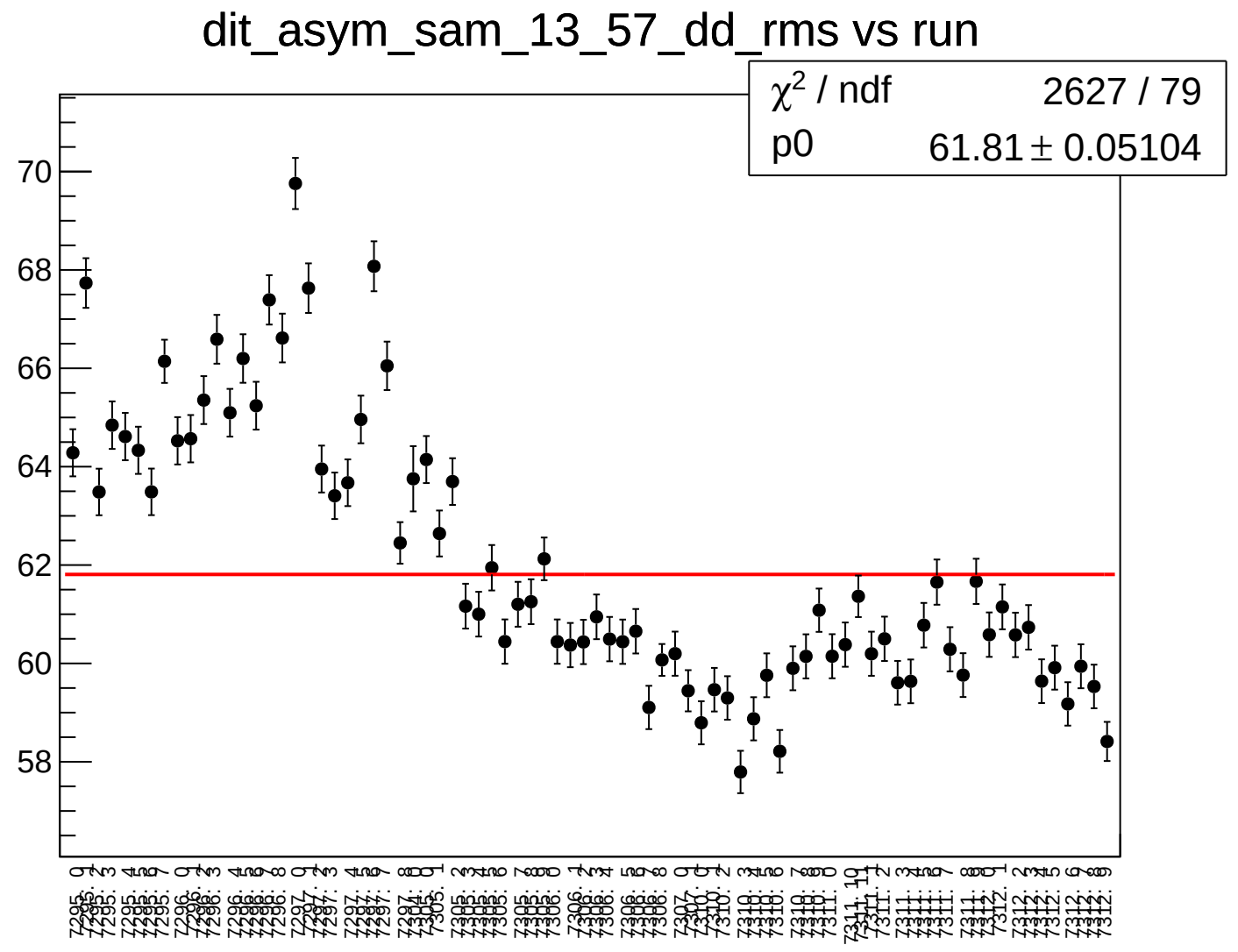

asym_sam_48_dd_mean vs run
χ² / ndf 77.58 / 79
p0 1329 ± 1005
pull
Entries 80
Mean −413.1
Std Dev 456.1

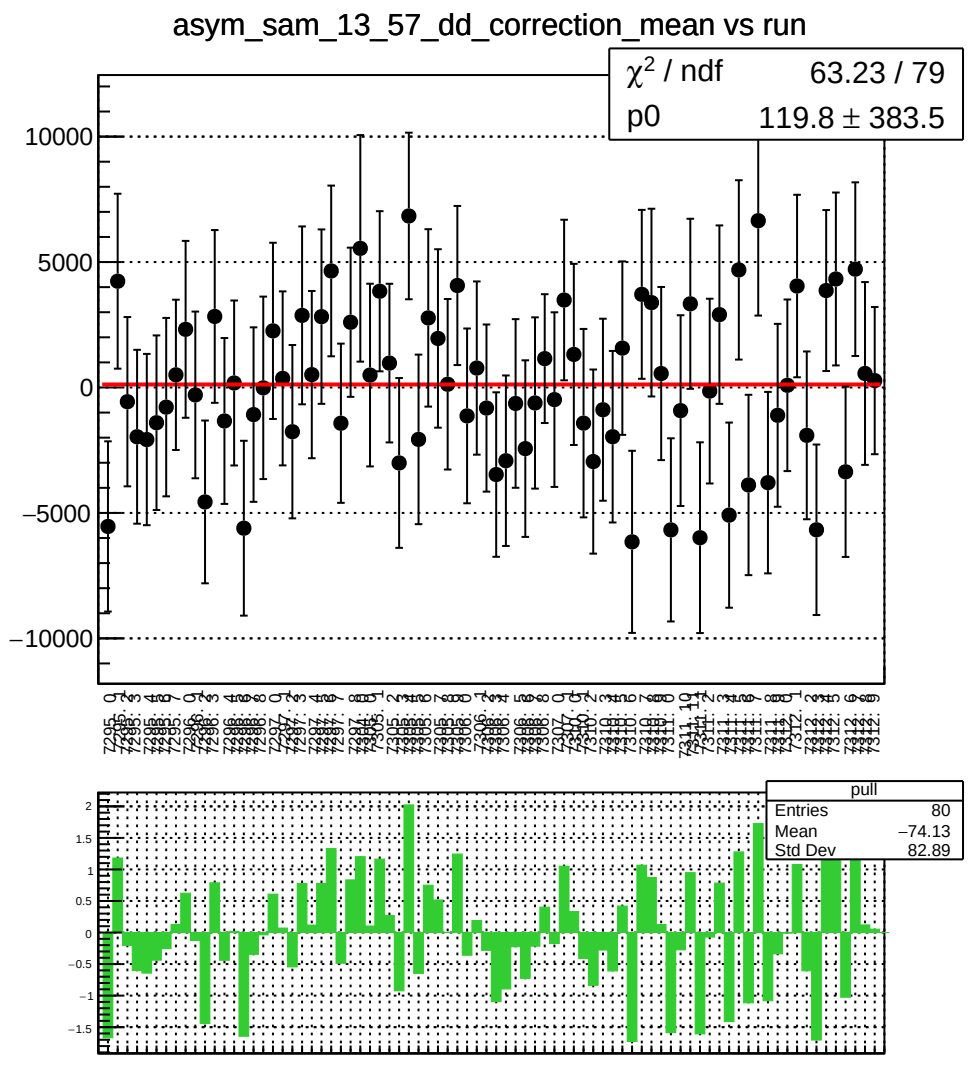

pull1D
Entries 80
Mean −0.008162
Std Dev 0.9847

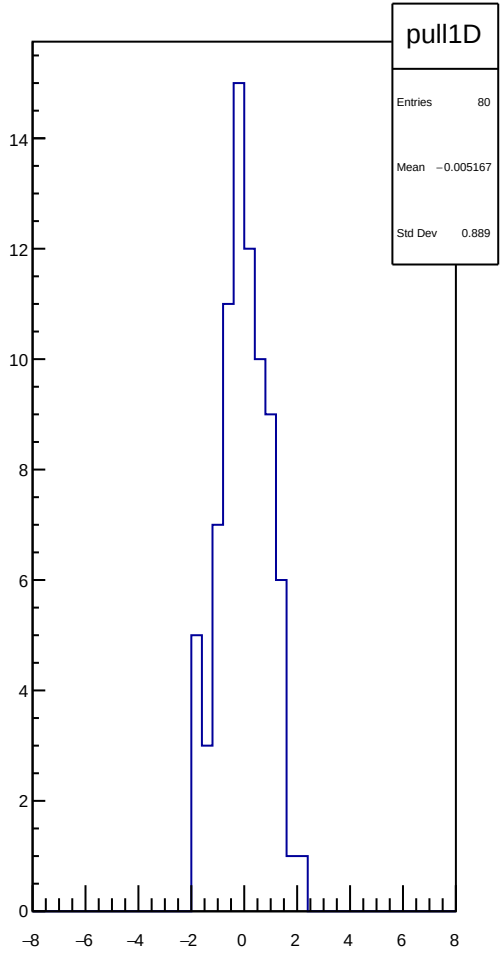

asym_sam_48_dd_rms vs run
χ^2 / ndf 8028 / 79
p0 859 ± 0.7107
1050
1000
950
900
850
800
750
700

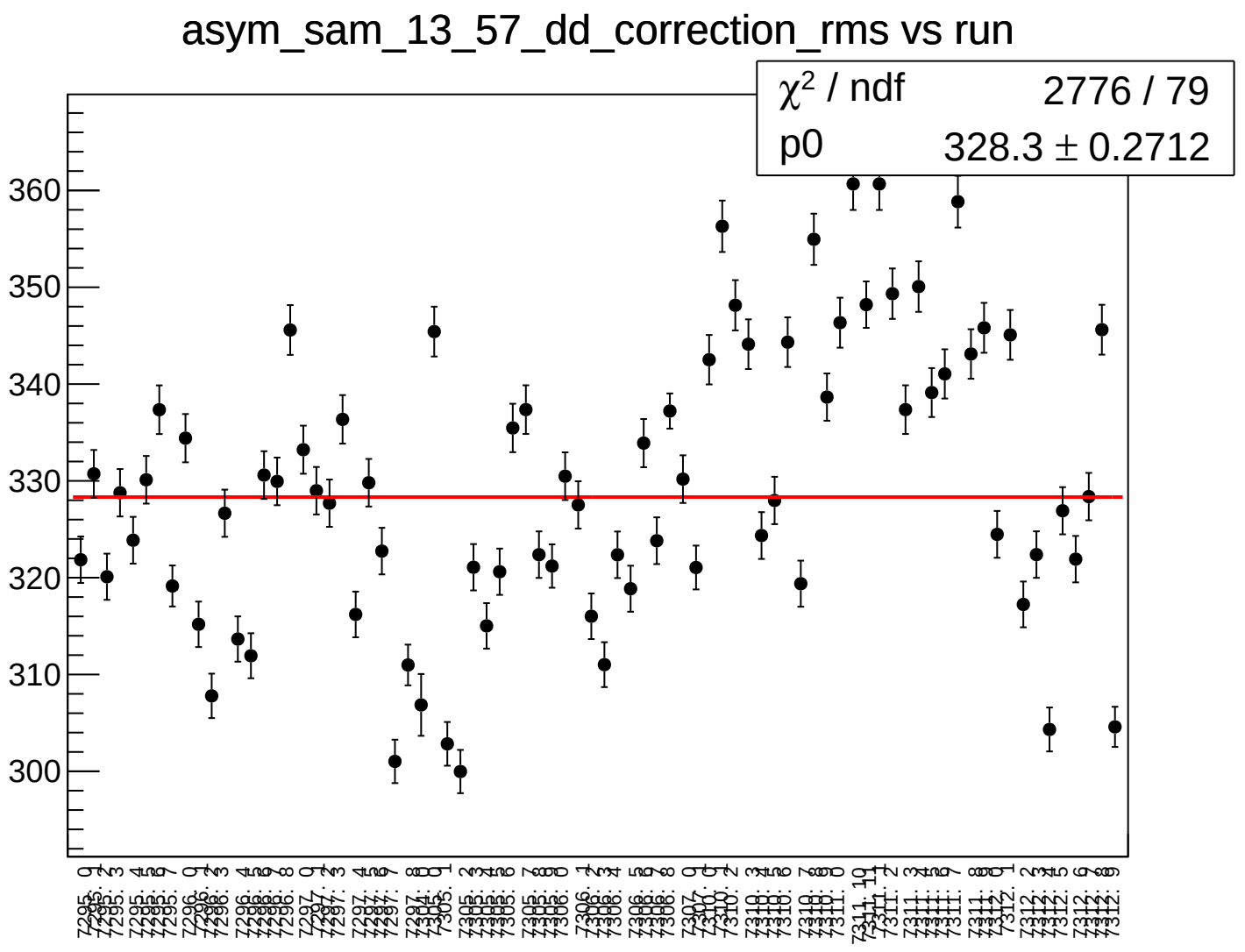

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 52.97 / 79
p0 −47.51 ± 72.19
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −515.3
Std Dev 552.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

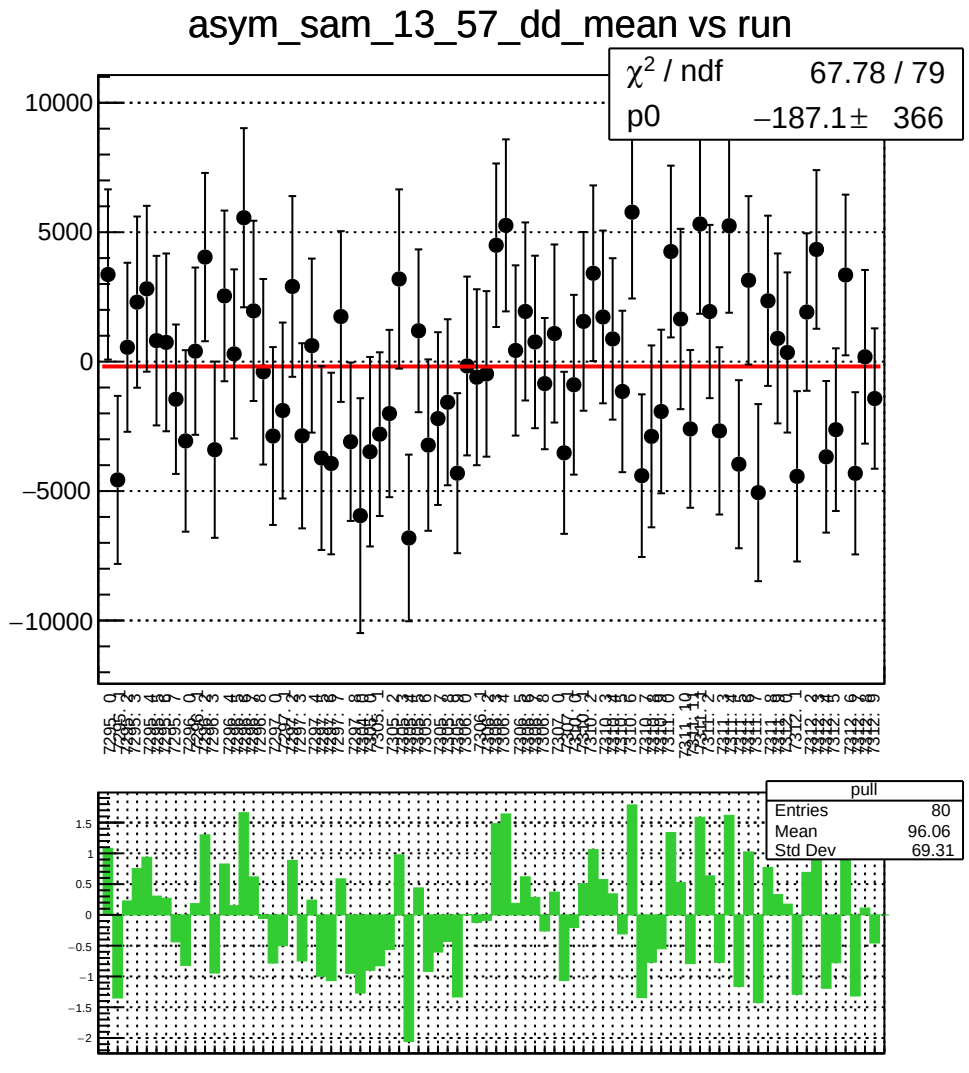

pull1D
Entries 80
Mean −0.005355
Std Dev 0.8137
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

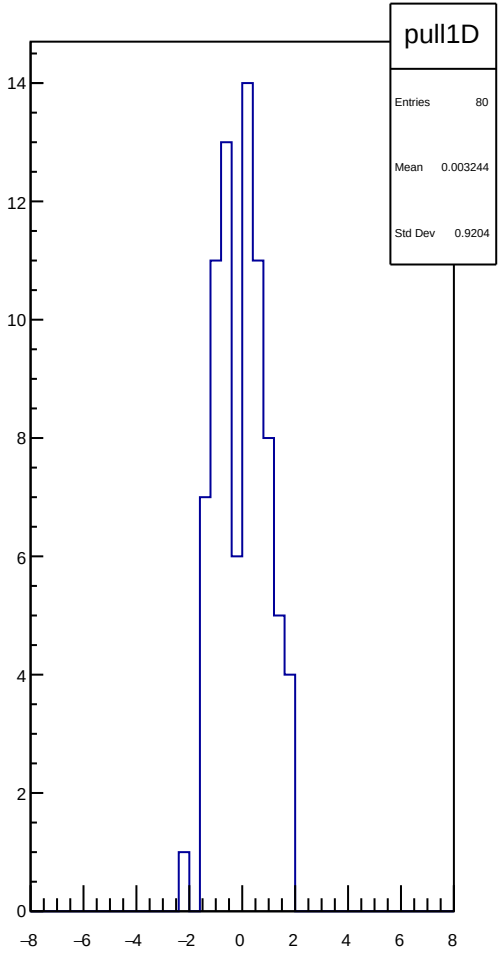

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2627 / 79
p0 61.81 ± 0.05104
70
68
66
64
62
60
58

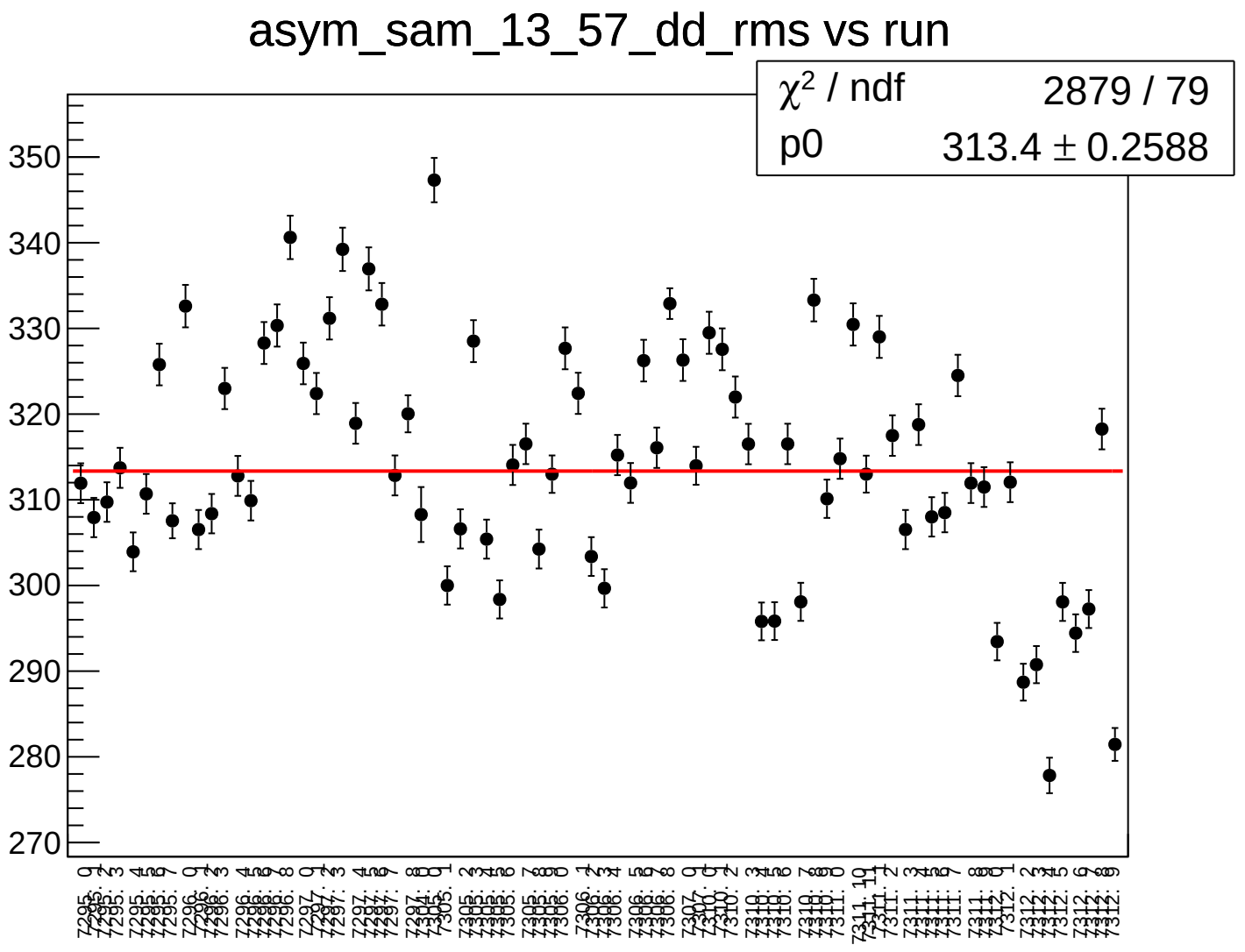

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 63.23 / 79
p0 119.8 ± 383.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −74.13
Std Dev 82.89
2
1.5
1
0.5
0
−0.5
−1
−1.5

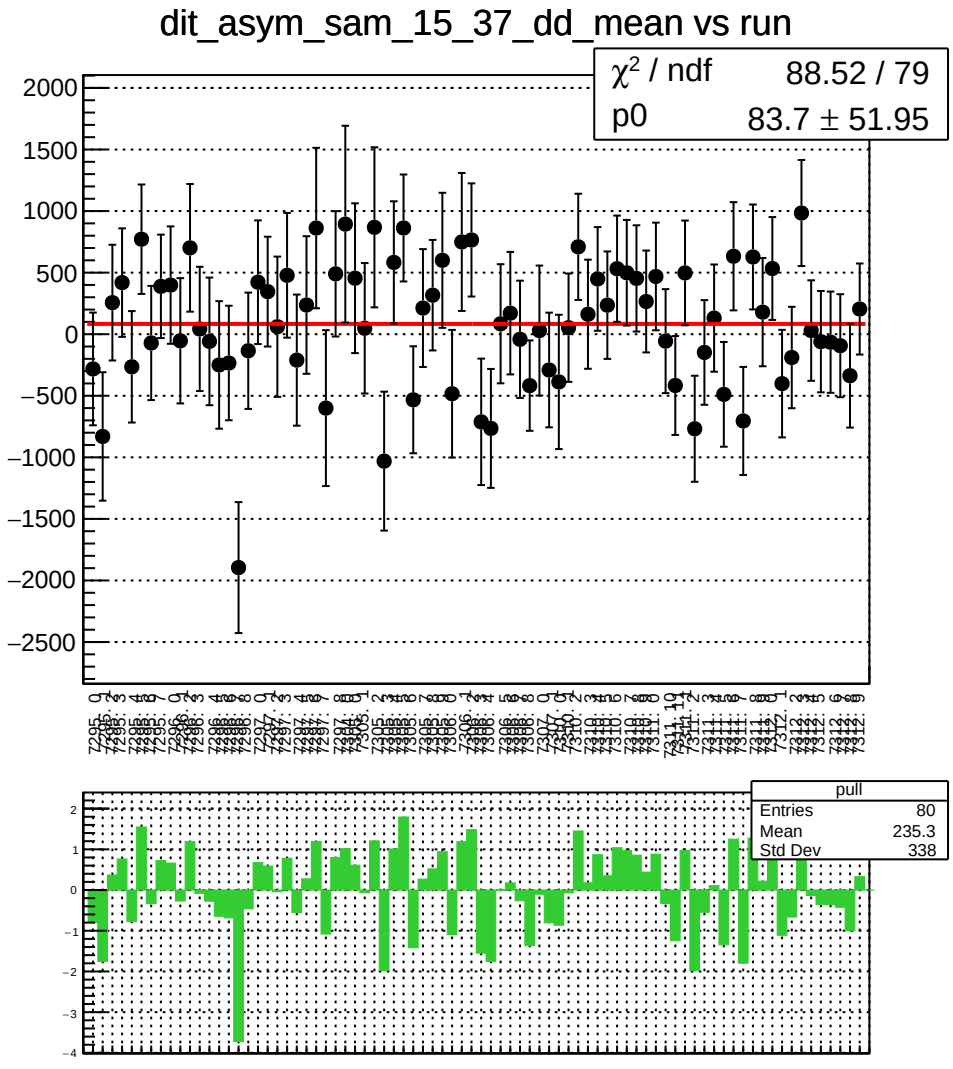

pull1D
Entries 80
Mean −0.005167
Std Dev 0.889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

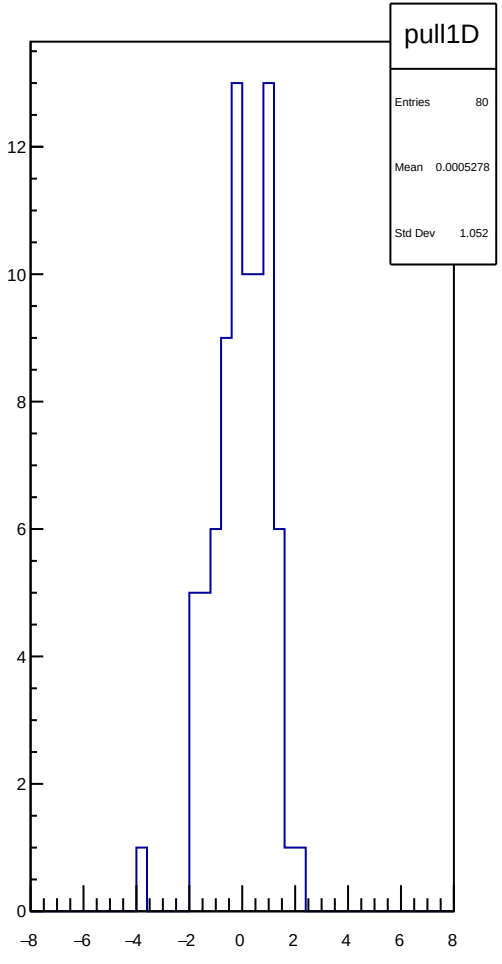

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2776 / 79
p0 328.3 ± 0.2712
360
350
340
330
320
310
300

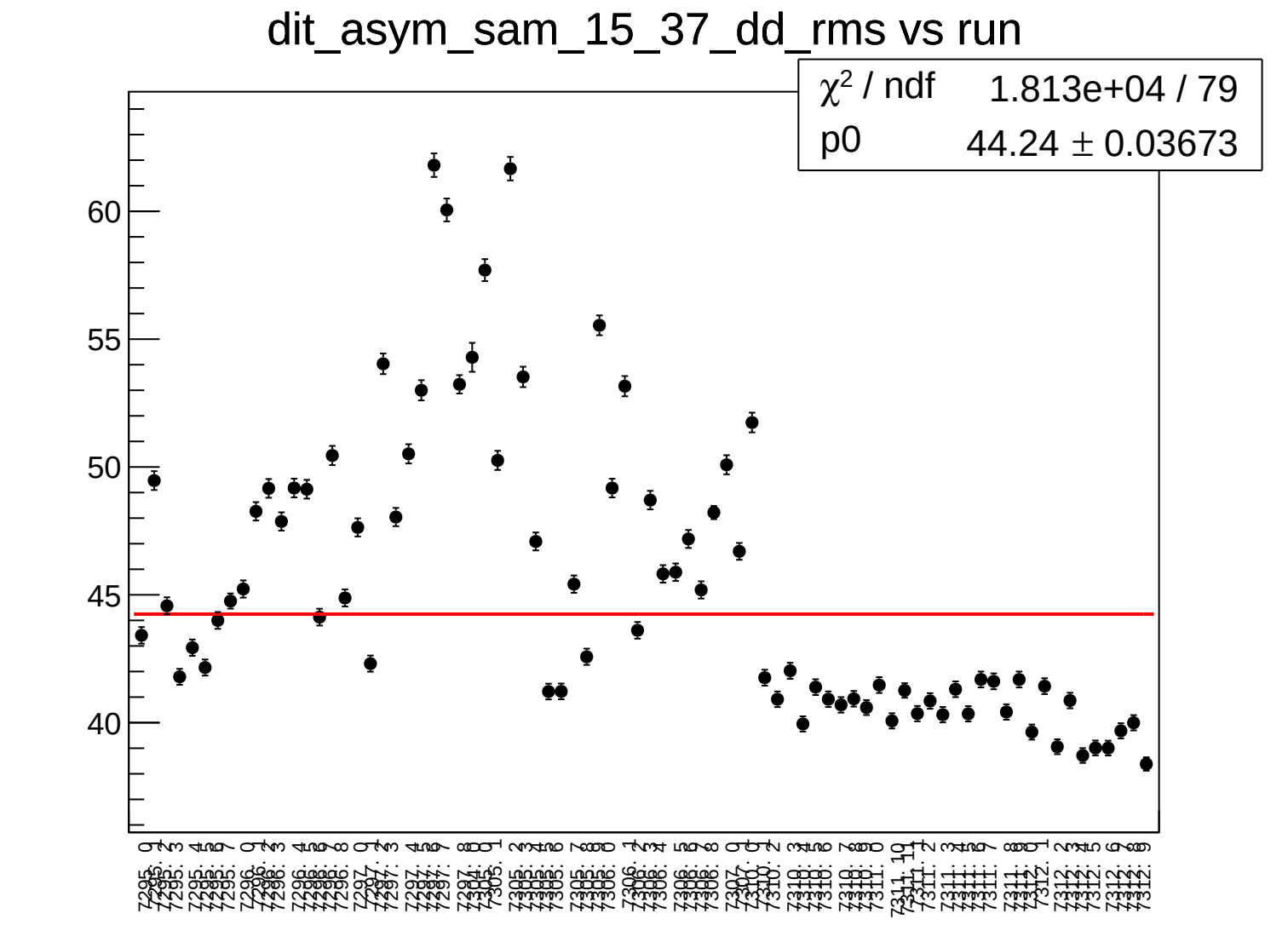

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.78 / 79
p0 −187.1± 366
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 96.06
Std Dev 69.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2

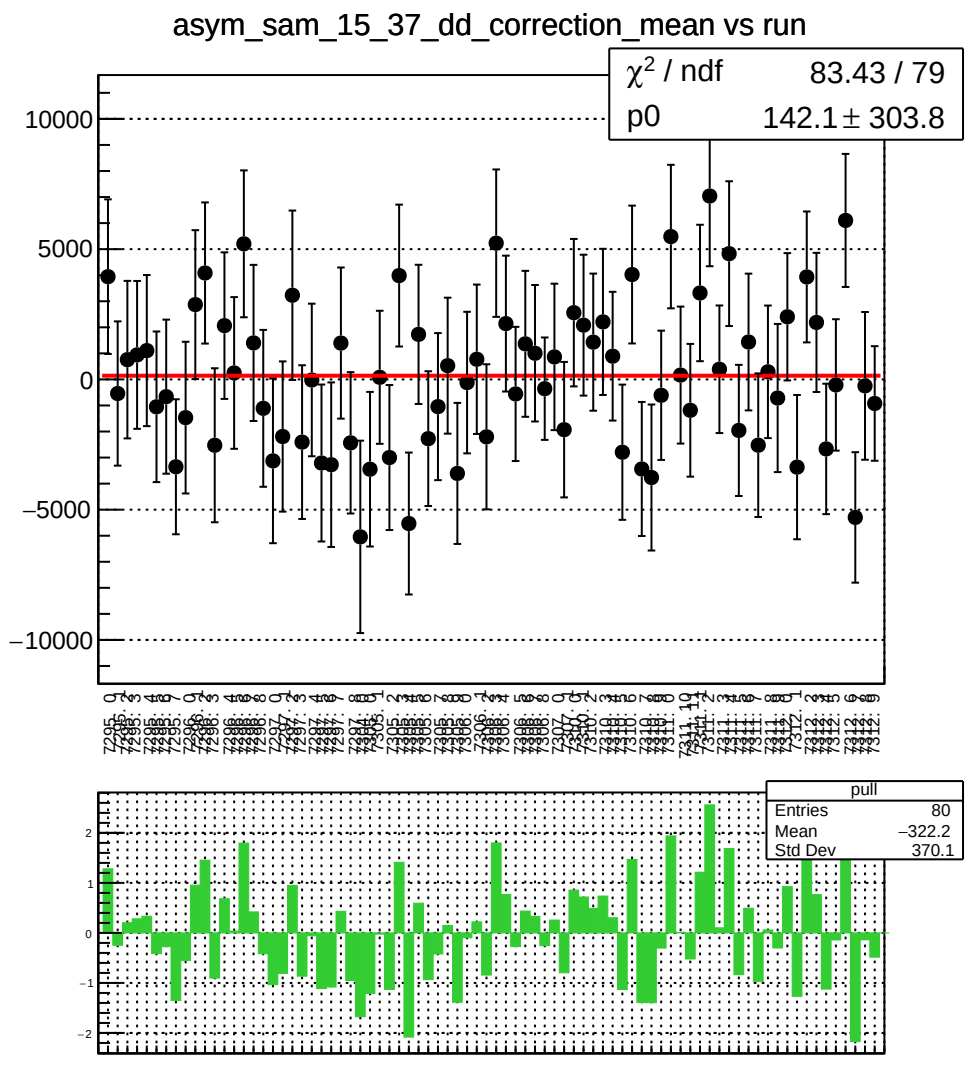

pull1D
Entries 80
Mean 0.003244
Std Dev 0.9204
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

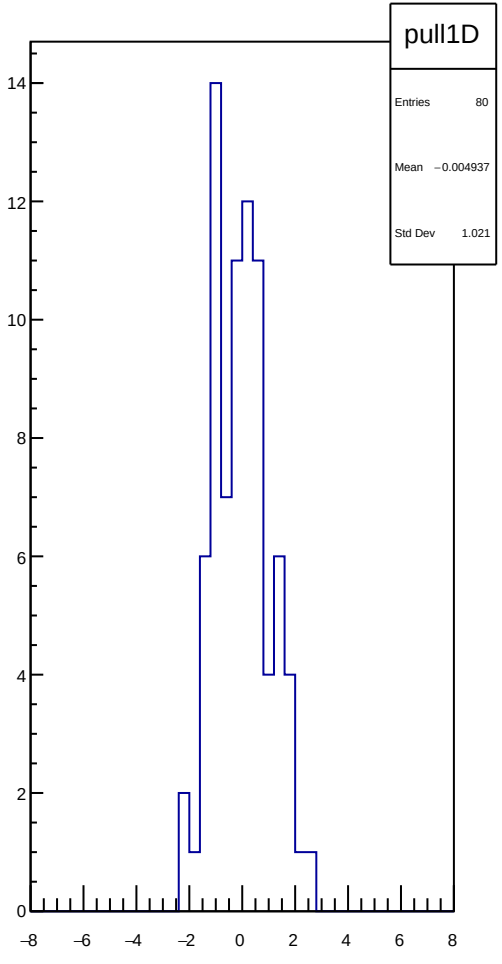

asym_sam_13_57_dd_rms vs run
χ² / ndf 2879 / 79
p0 313.4 ± 0.2588
350
340
330
320
310
300
290
280
270

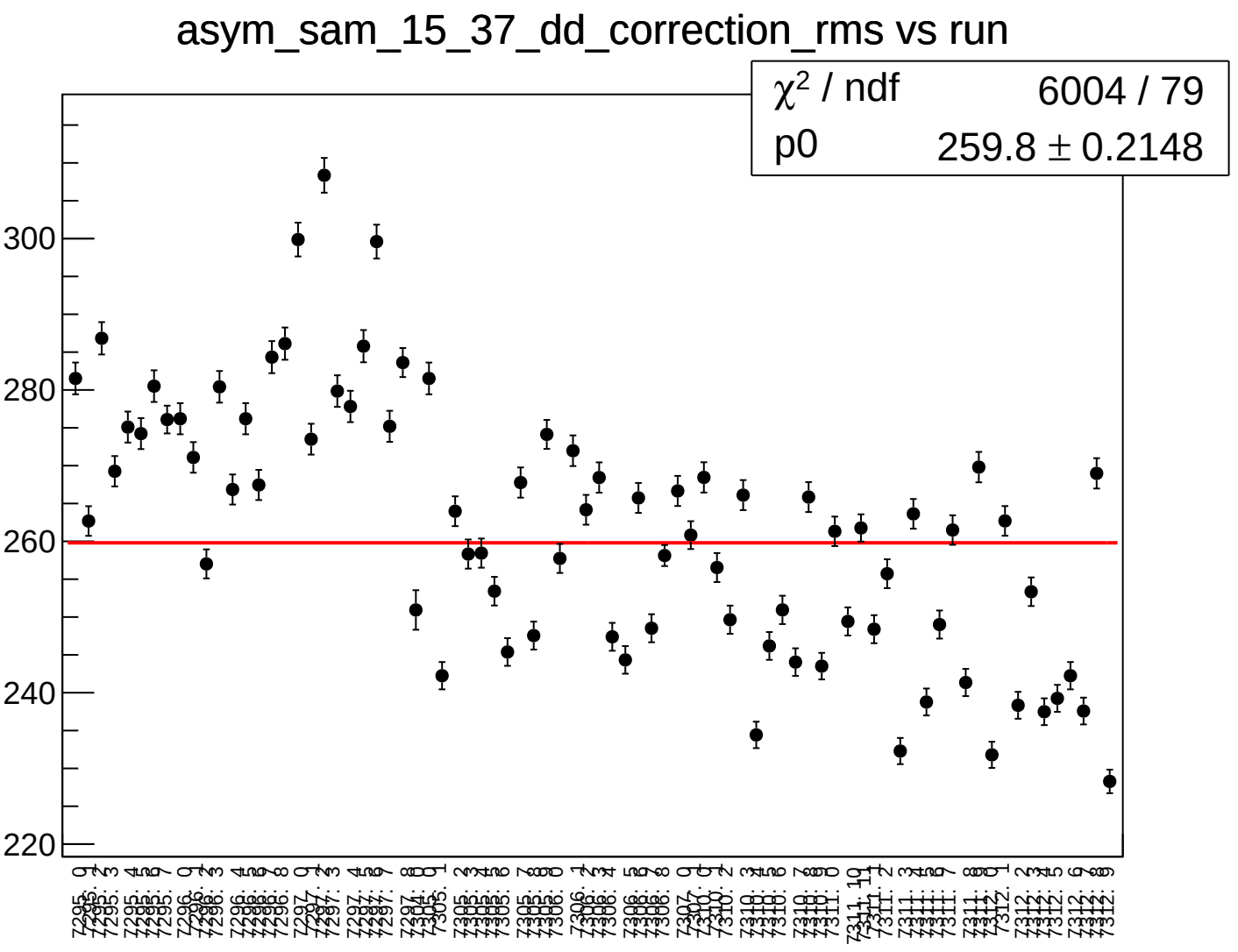

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.52 / 79
p0 83.7 ± 51.95
pull
Entries 80
Mean 235.3
Std Dev 338

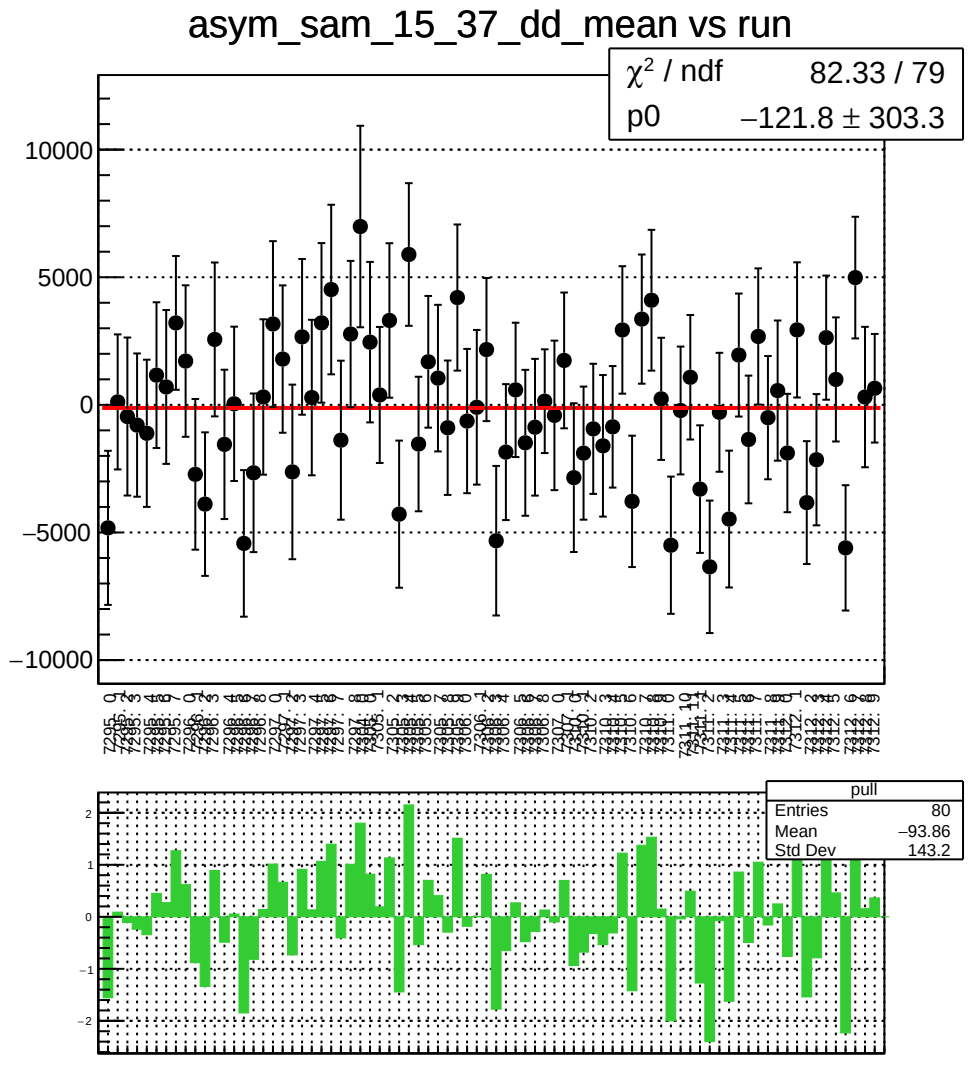

pull1D
Entries 80
Mean 0.0005278
Std Dev 1.052

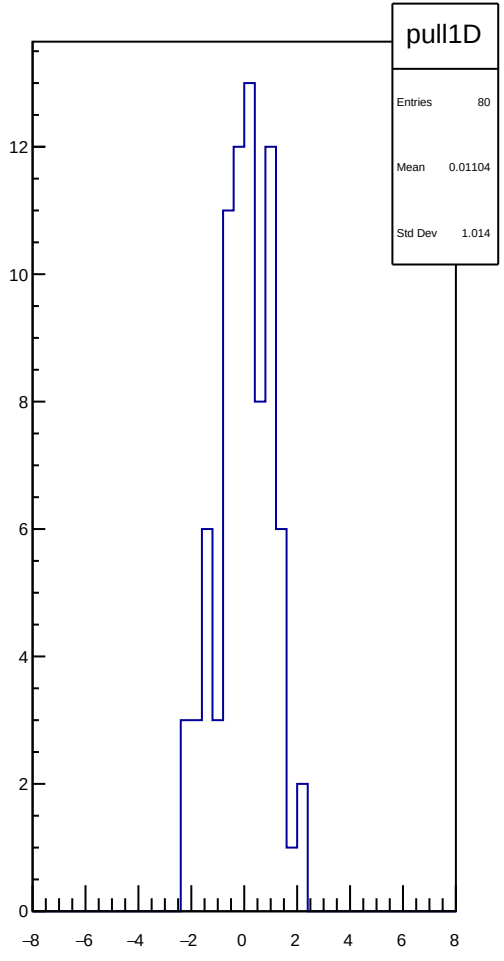

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.813e+04 / 79
p0 44.24 ± 0.03673
60
55
50
45
40

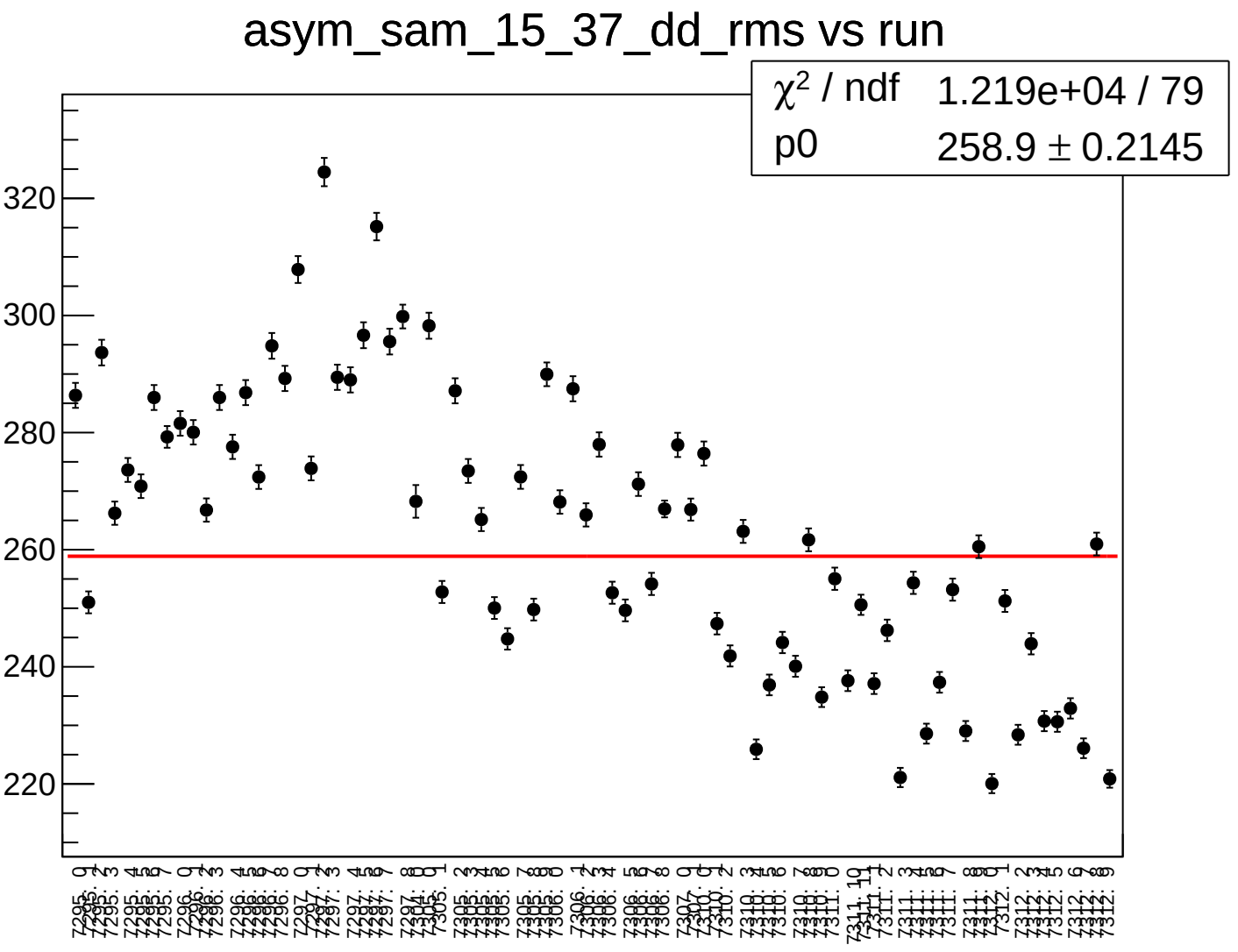

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 83.43 / 79
p0 142.1 ± 303.8
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −322.2
Std Dev 370.1
2
1
0
−1
−2

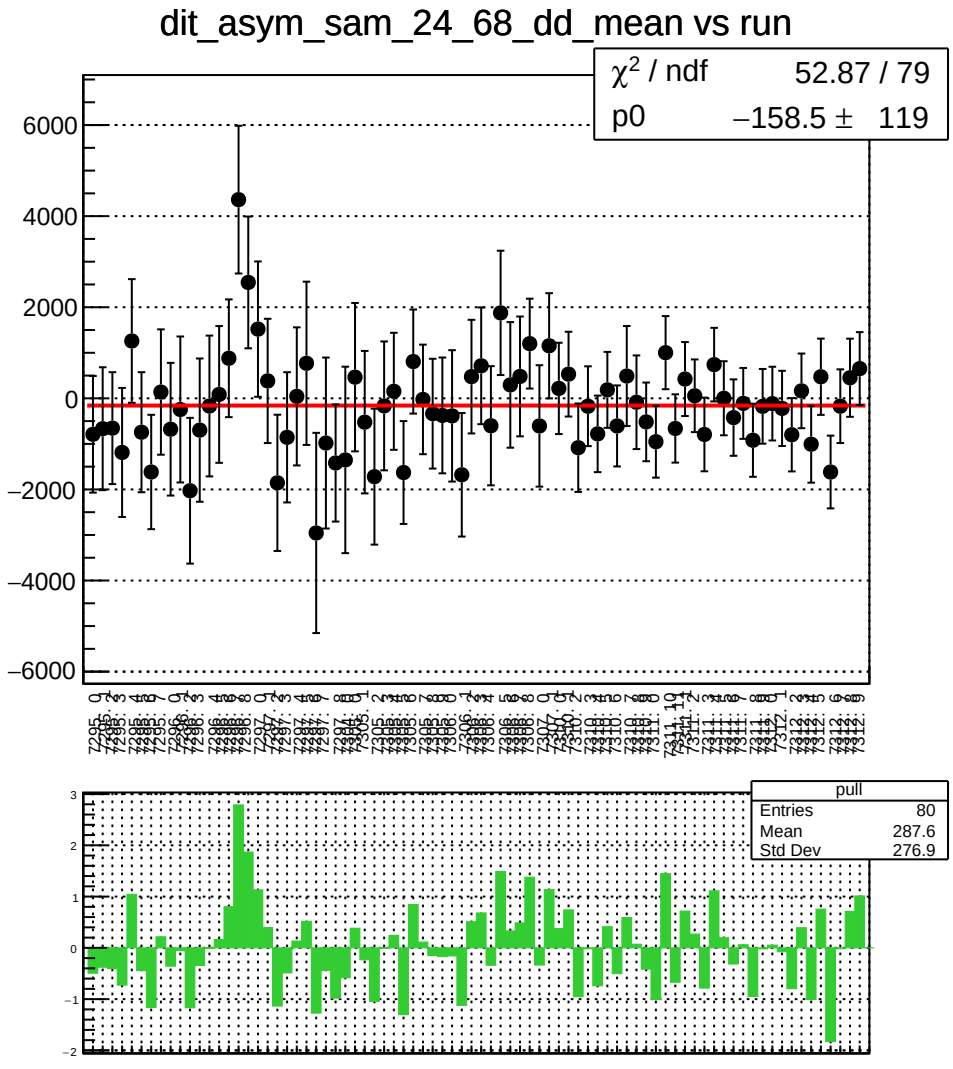

pull1D
Entries 80
Mean −0.004937
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

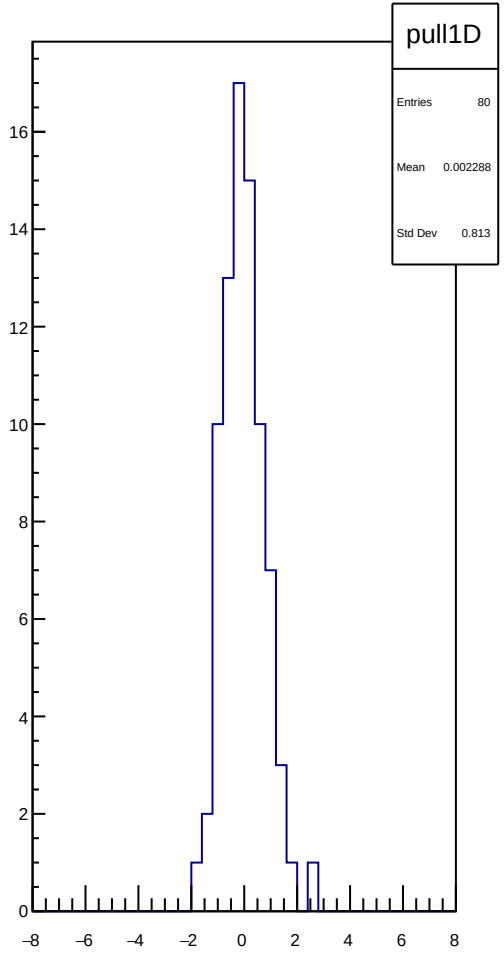

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6004 / 79
p0 259.8 ± 0.2148
300
280
260
240
220

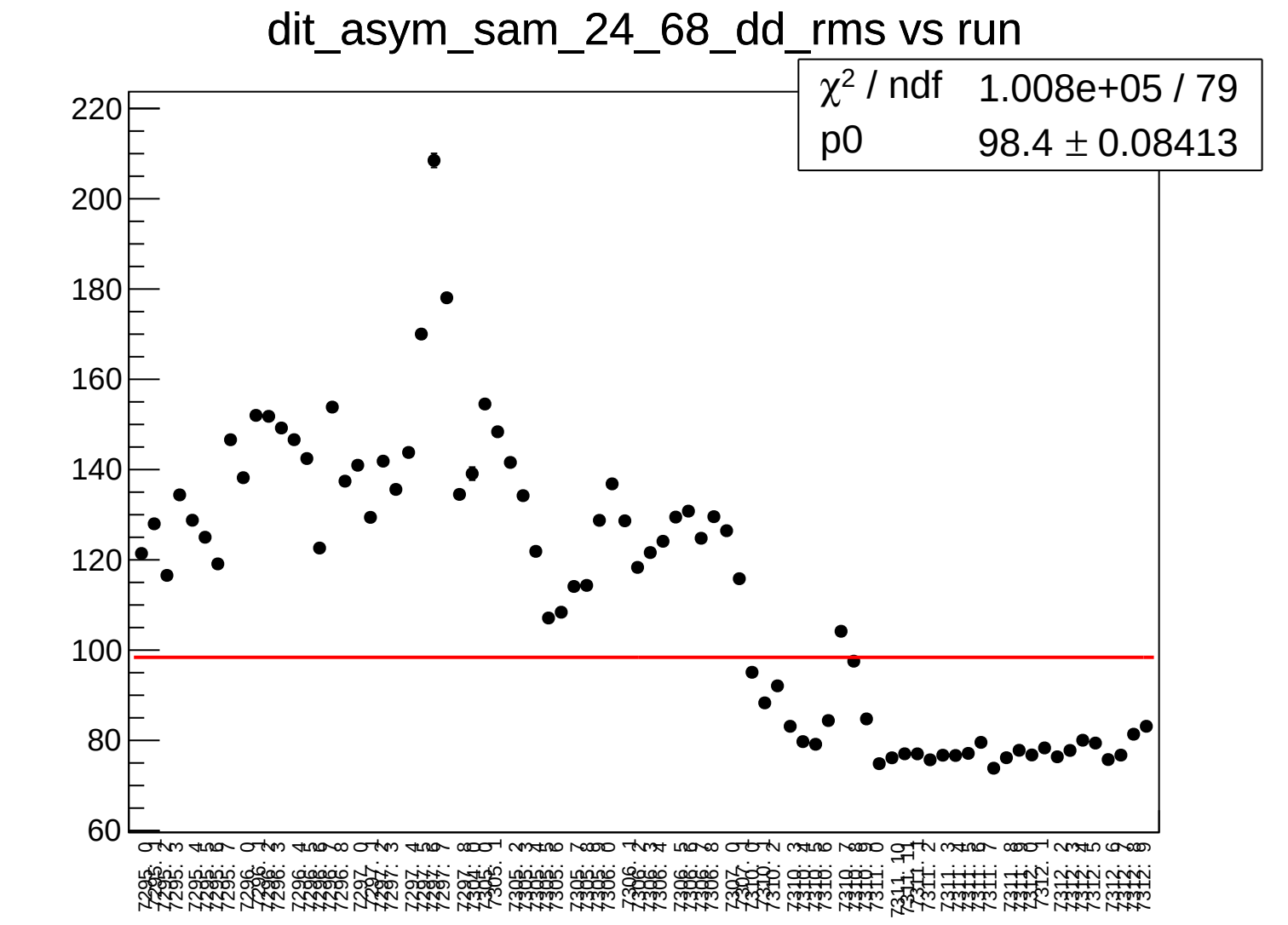

asym_sam_15_37_dd_mean vs run
χ² / ndf 82.33 / 79
p0 −121.8 ± 303.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −93.86
Std Dev 143.2
2
1
0
−1
−2

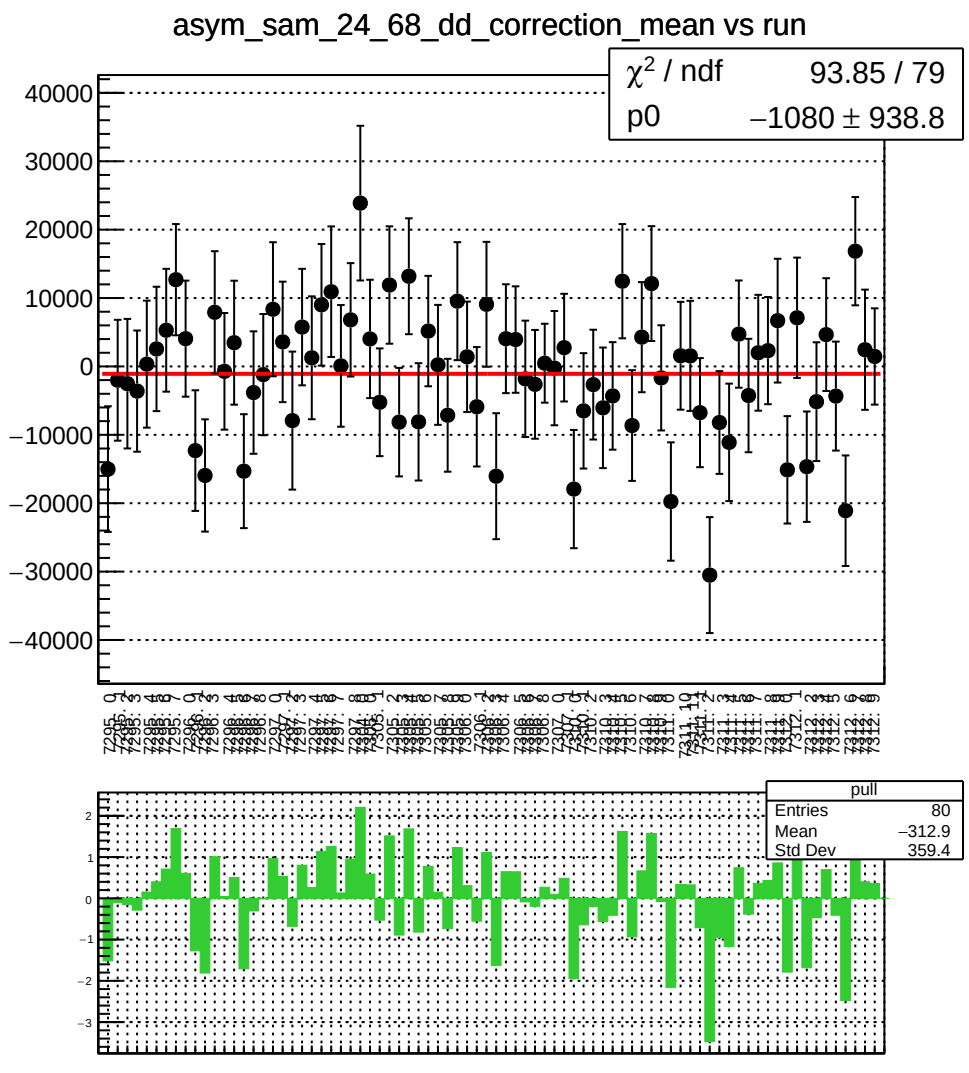

pull1D
Entries 80
Mean 0.01104
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

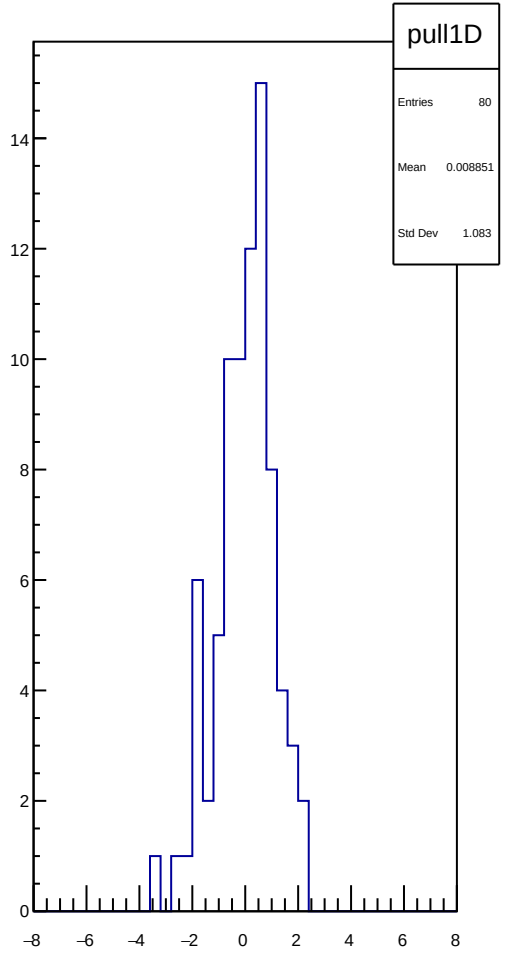

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.219e+04 / 79
p0 258.9 ± 0.2145
320
300
280
260
240
220

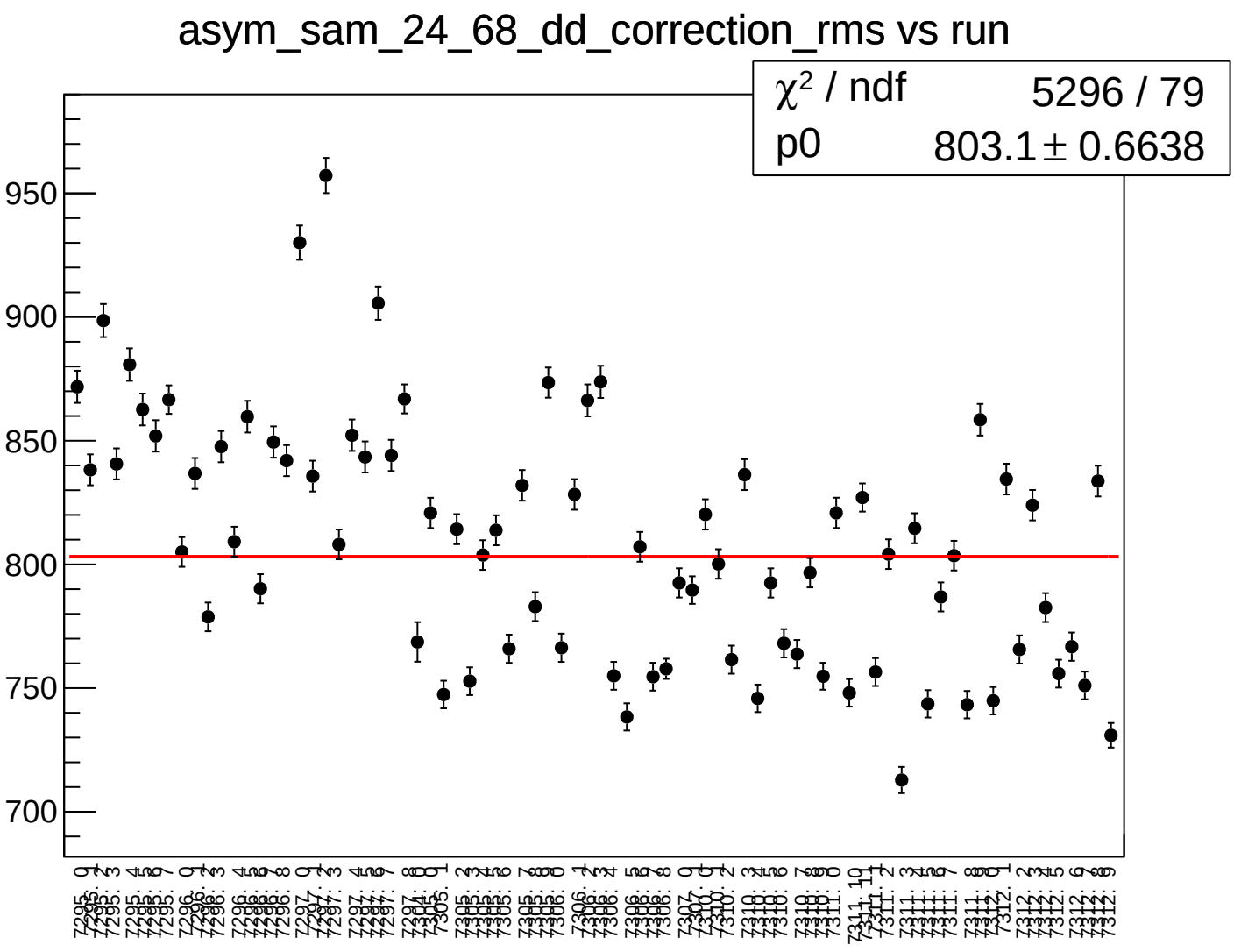

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 52.87 / 79
p0 −158.5 ± 119
pull
Entries 80
Mean 287.6
Std Dev 276.9

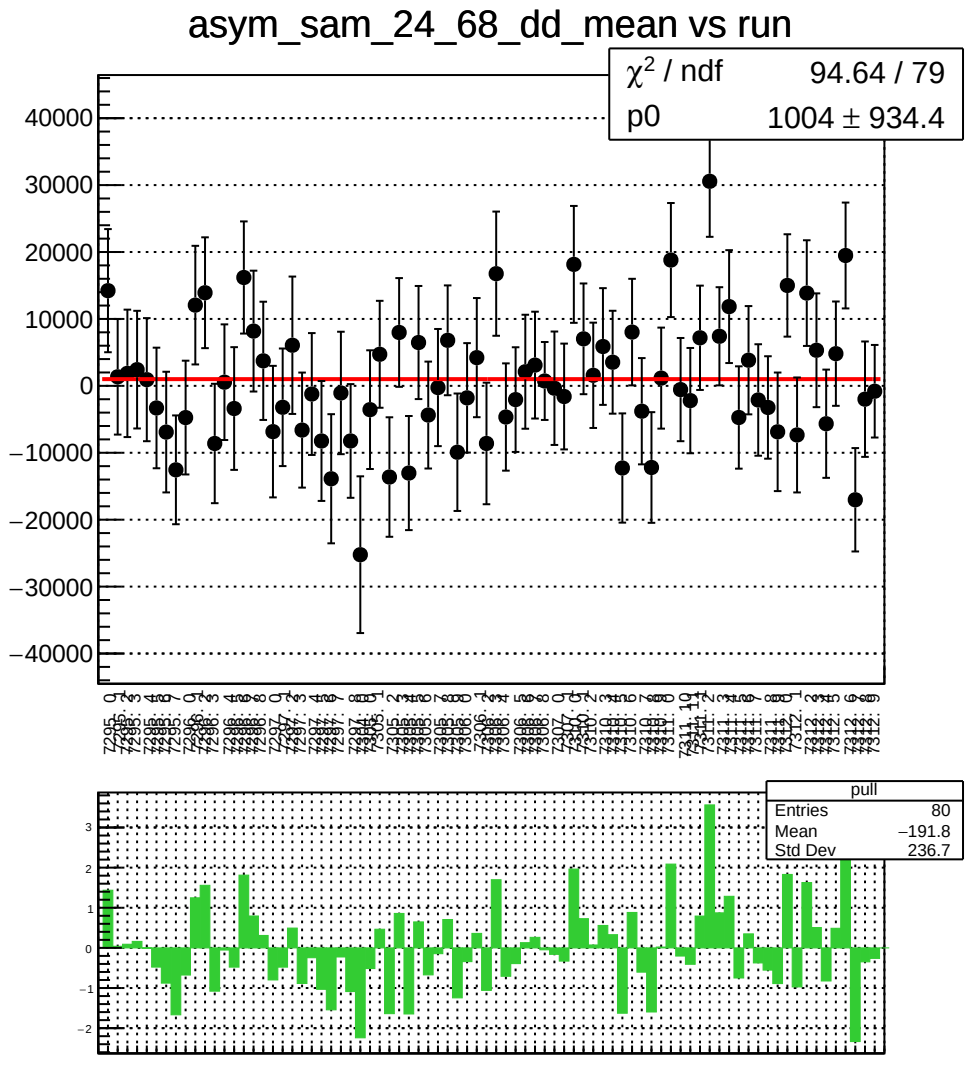

pull1D
Entries 80
Mean 0.002288
Std Dev 0.813

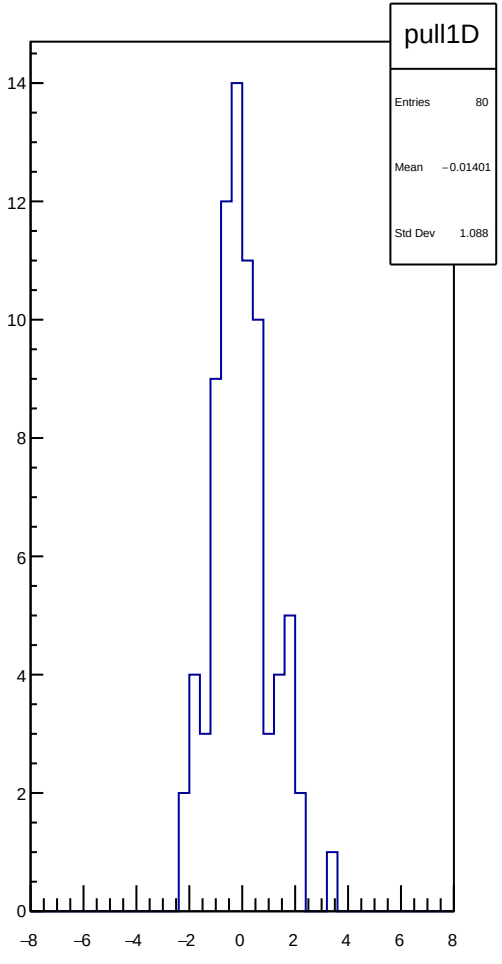

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.008e+05 / 79
p0 98.4 ± 0.08413
220
200
180
160
140
120
100
80
60

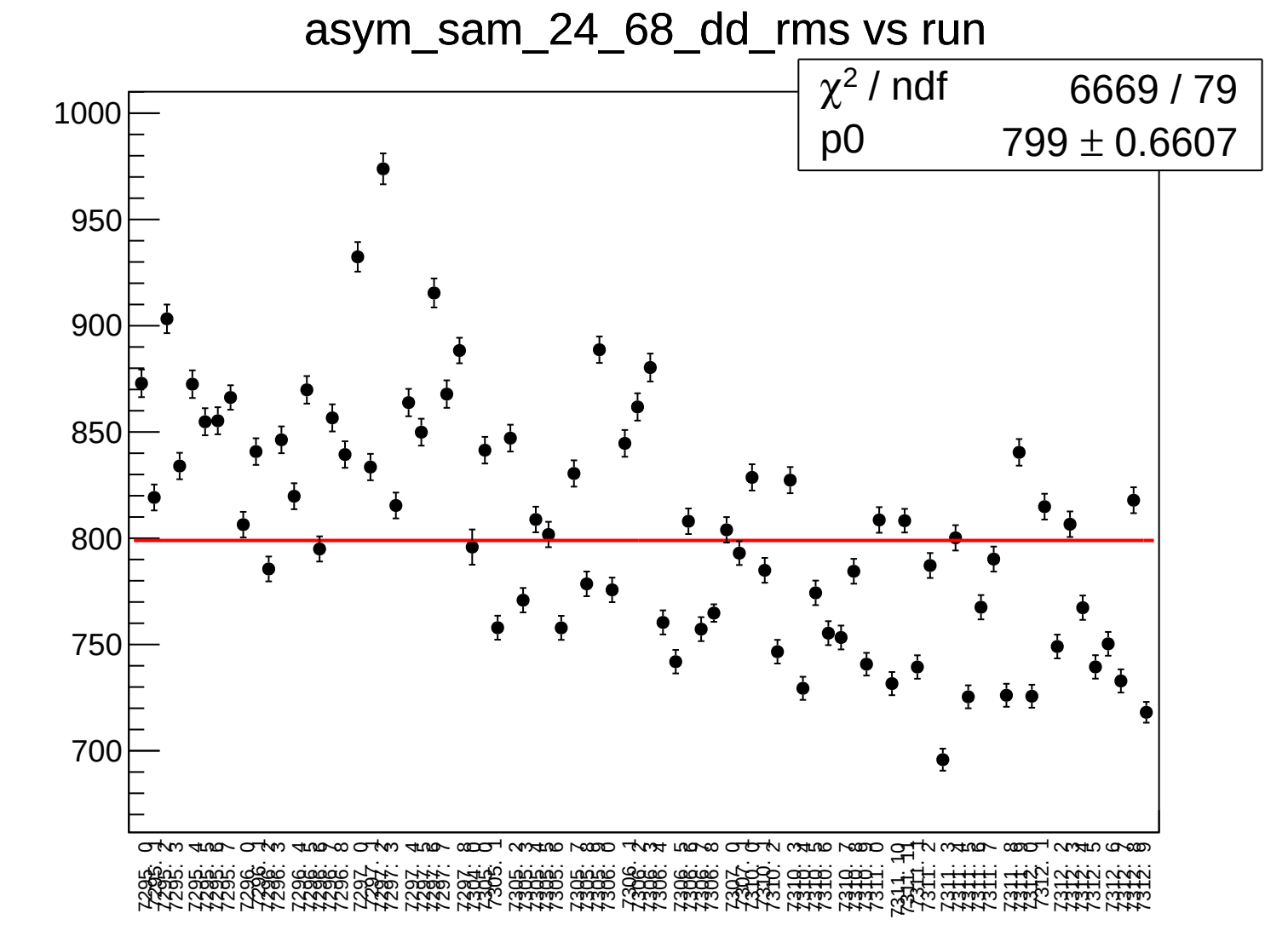

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 93.85 / 79
p0 −1080 ± 938.8
pull
Entries 80
Mean −312.9
Std Dev 359.4

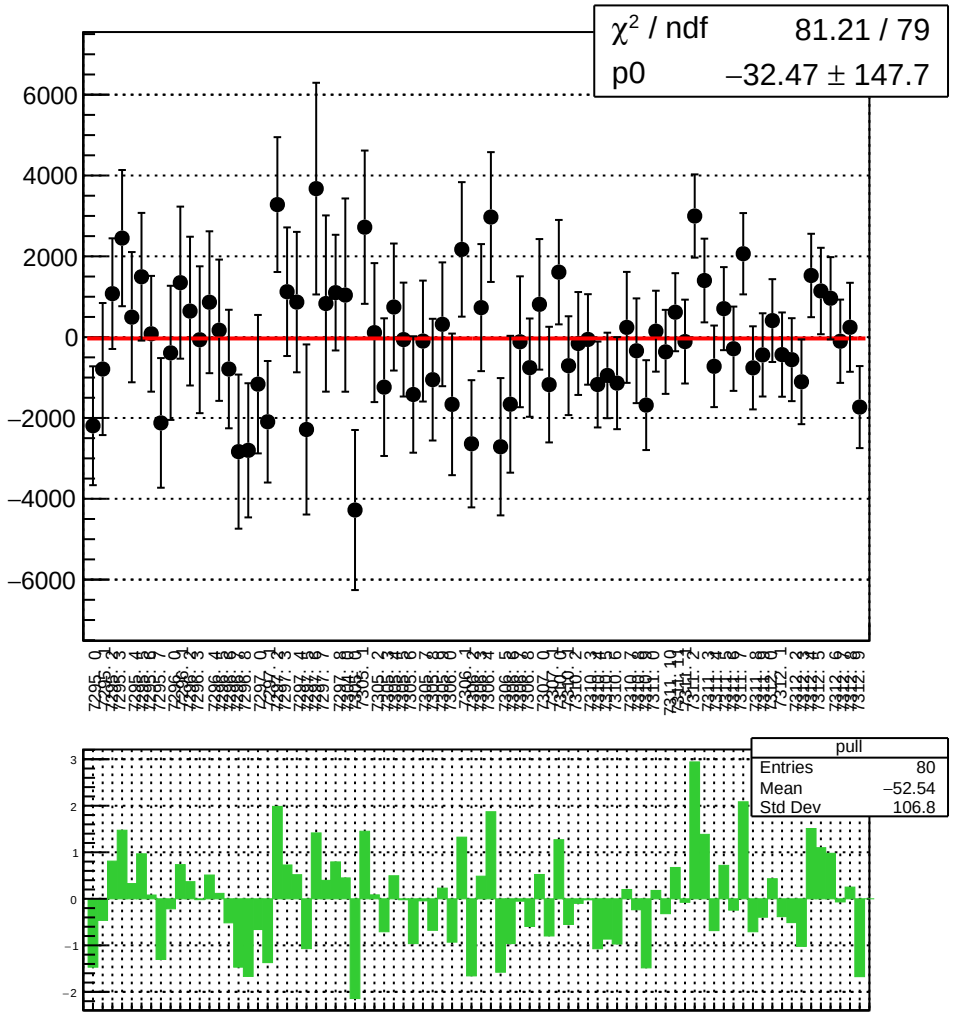

pull1D
Entries 80
Mean 0.008851
Std Dev 1.083

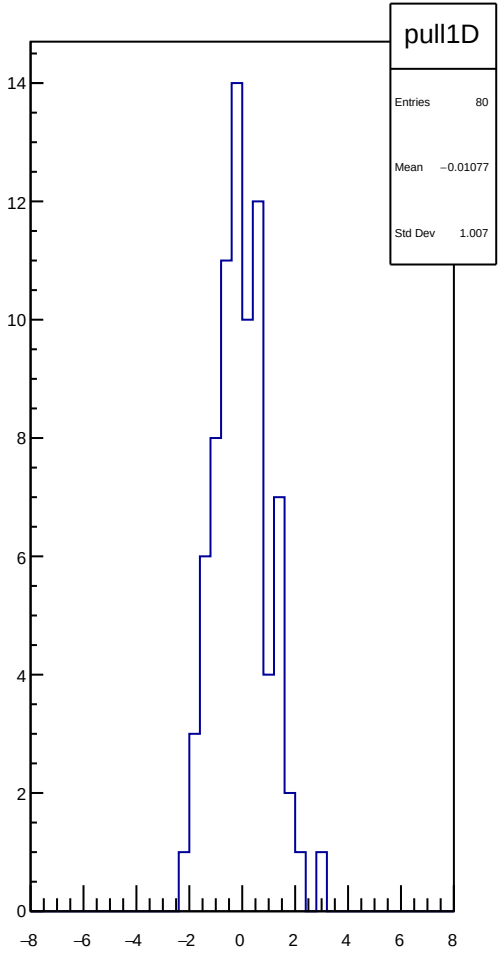

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5296 / 79
p0 803.1 ± 0.6638
950
900
850
800
750
700

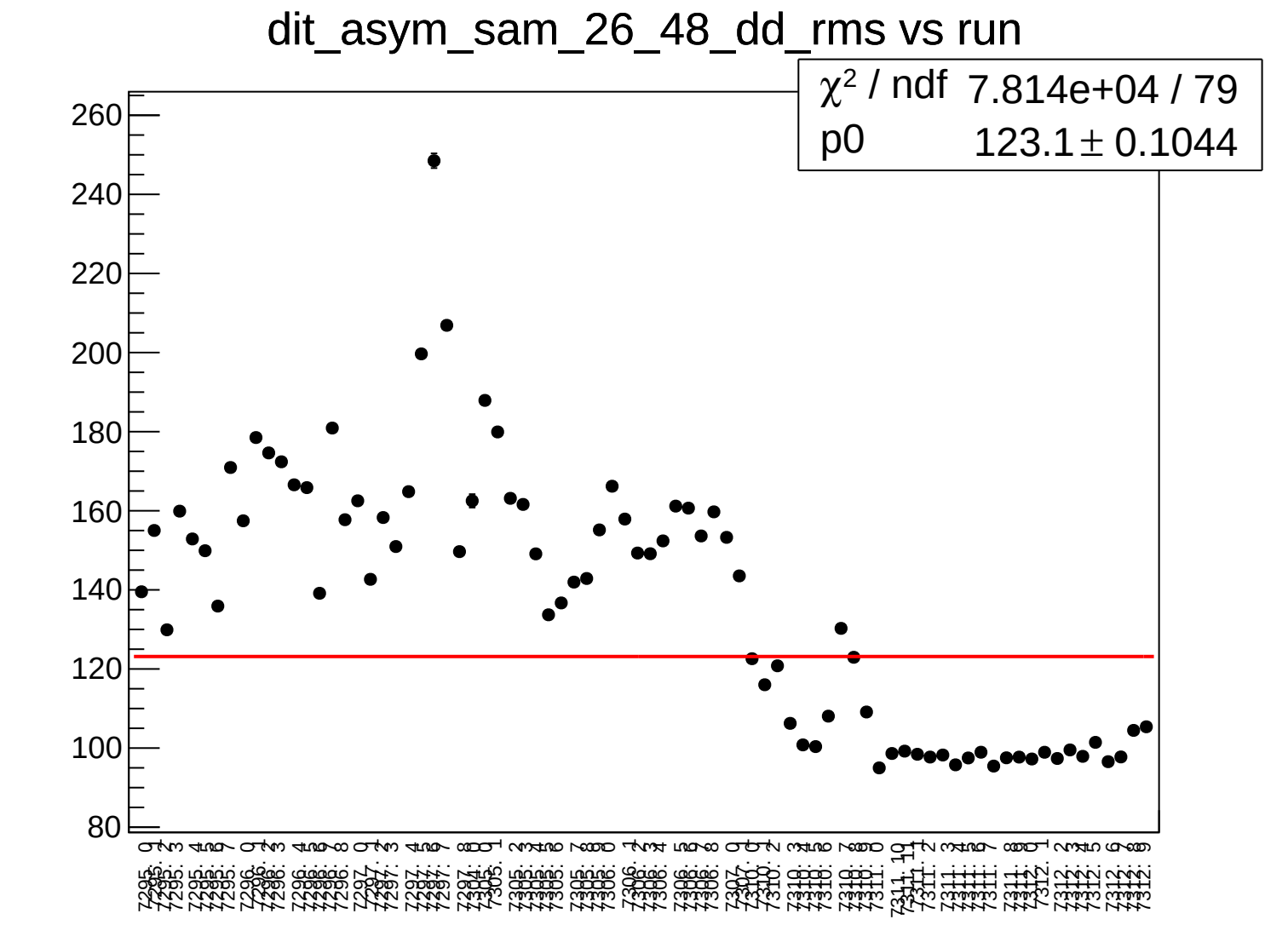

asym_sam_24_68_dd_mean vs run
χ² / ndf 94.64 / 79
p0 1004 ± 934.4
pull
Entries 80
Mean −191.8
Std Dev 236.7

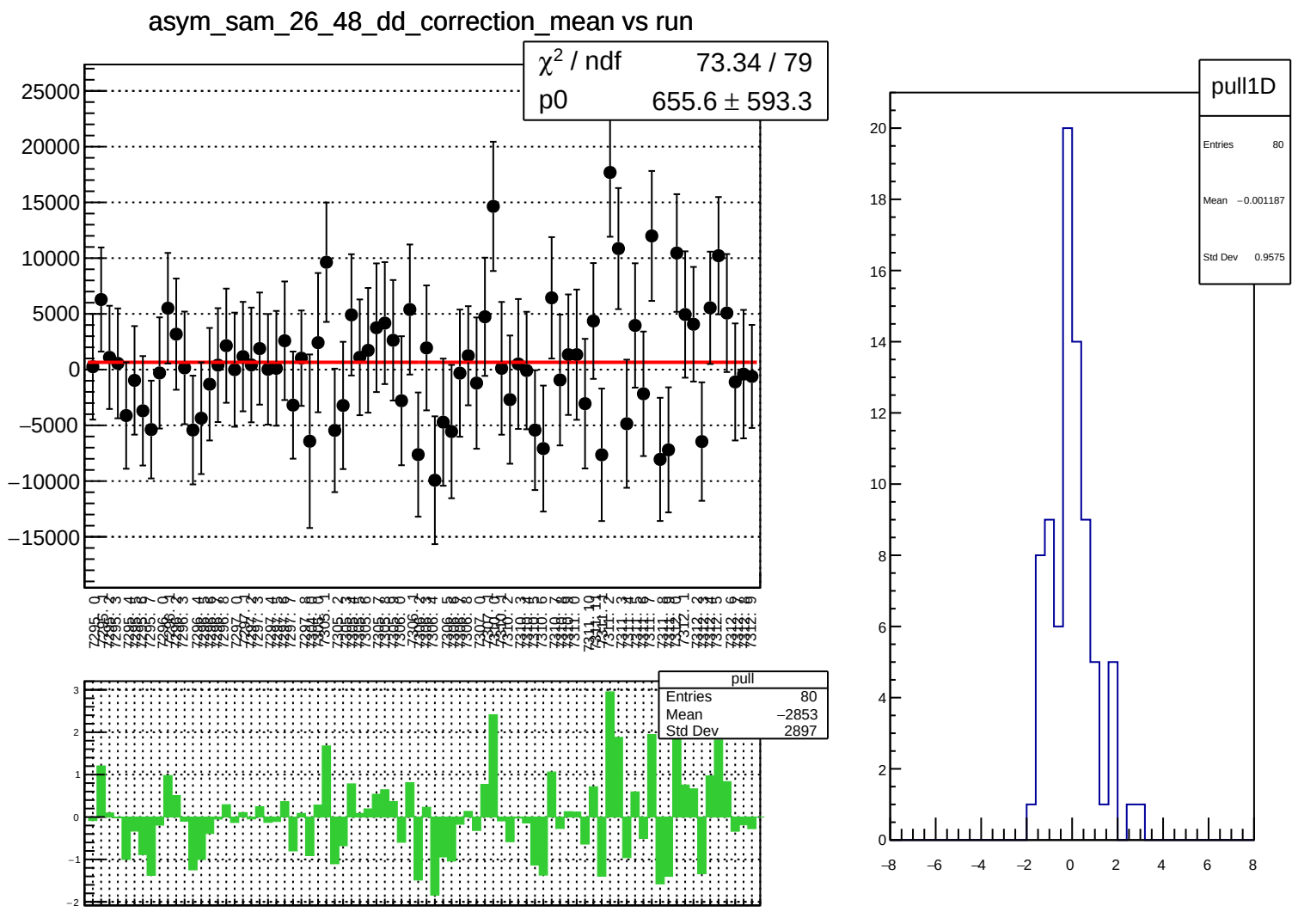

pull1D
Entries 80
Mean −0.01401
Std Dev 1.088

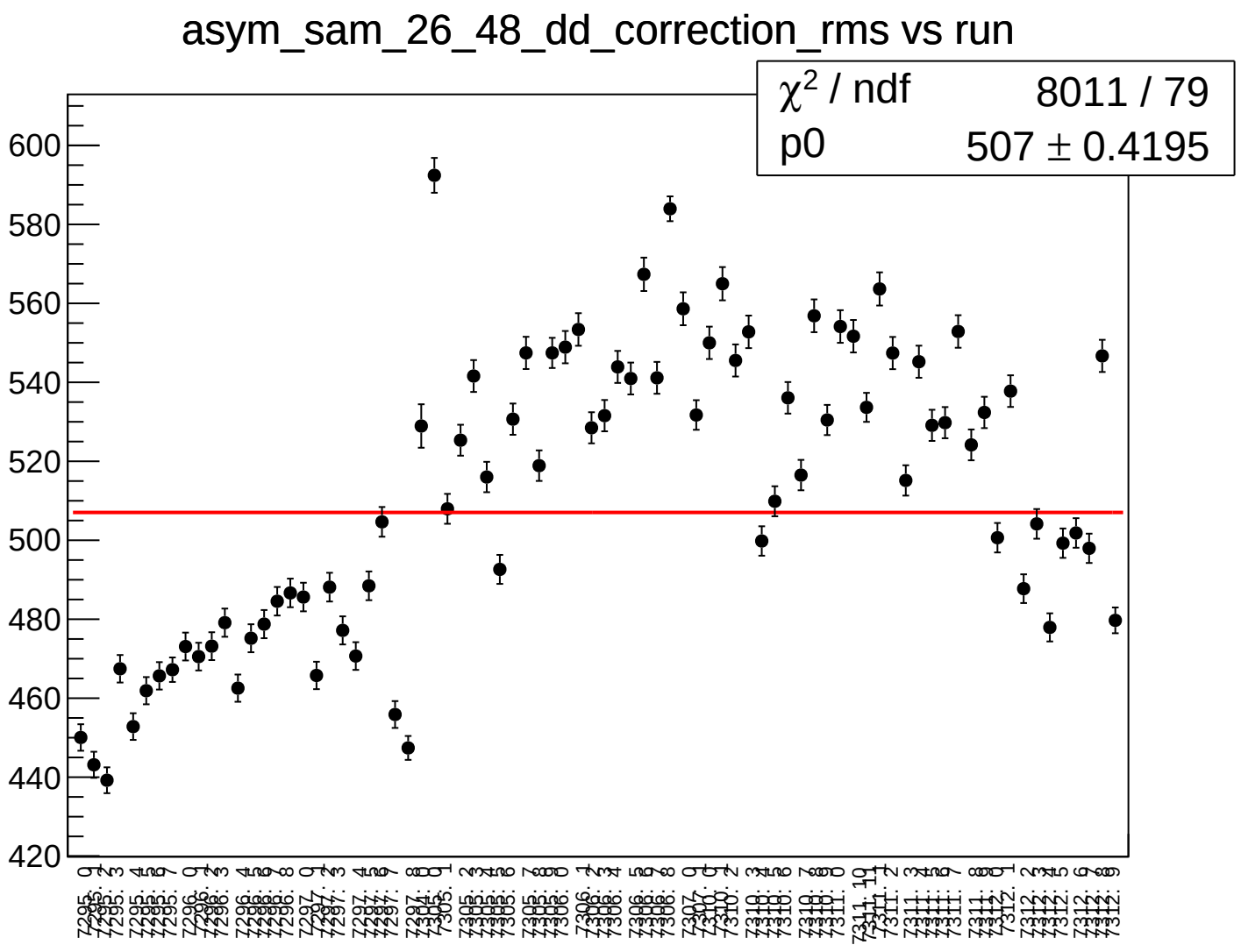

asym_sam_24_68_dd_rms vs run
χ² / ndf 6669 / 79
p0 799 ± 0.6607
1000
950
900
850
800
750
700

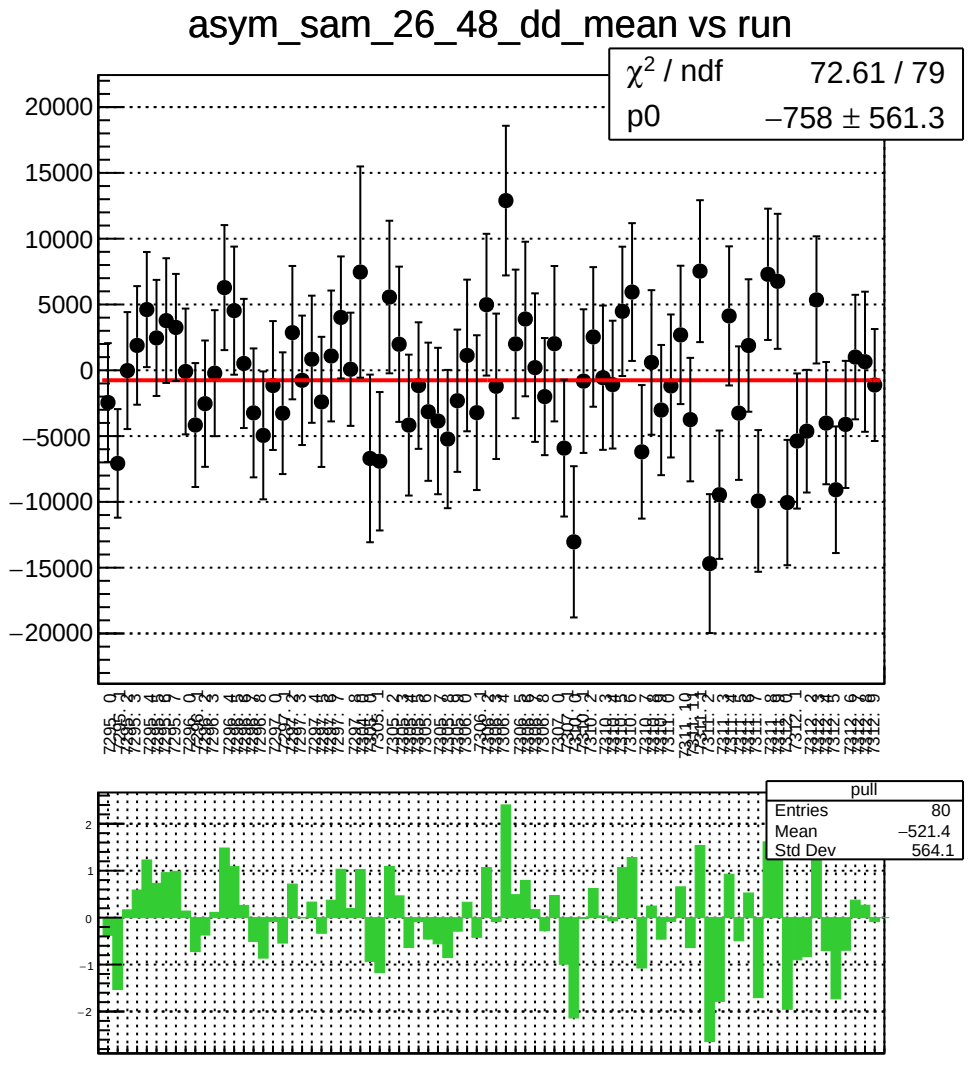

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 81.21 / 79
p0 −32.47 ± 147.7
pull
Entries 80
Mean −52.54
Std Dev 106.8

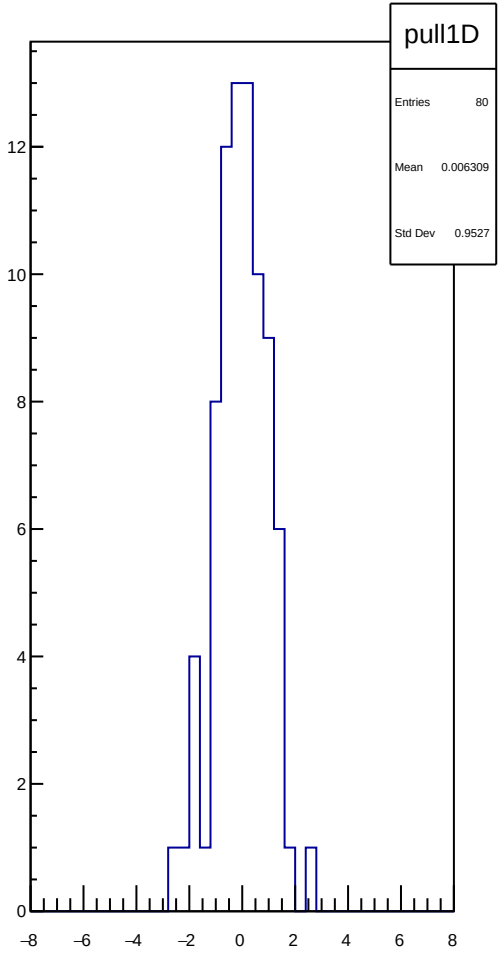

pull1D
Entries 80
Mean −0.01077
Std Dev 1.007

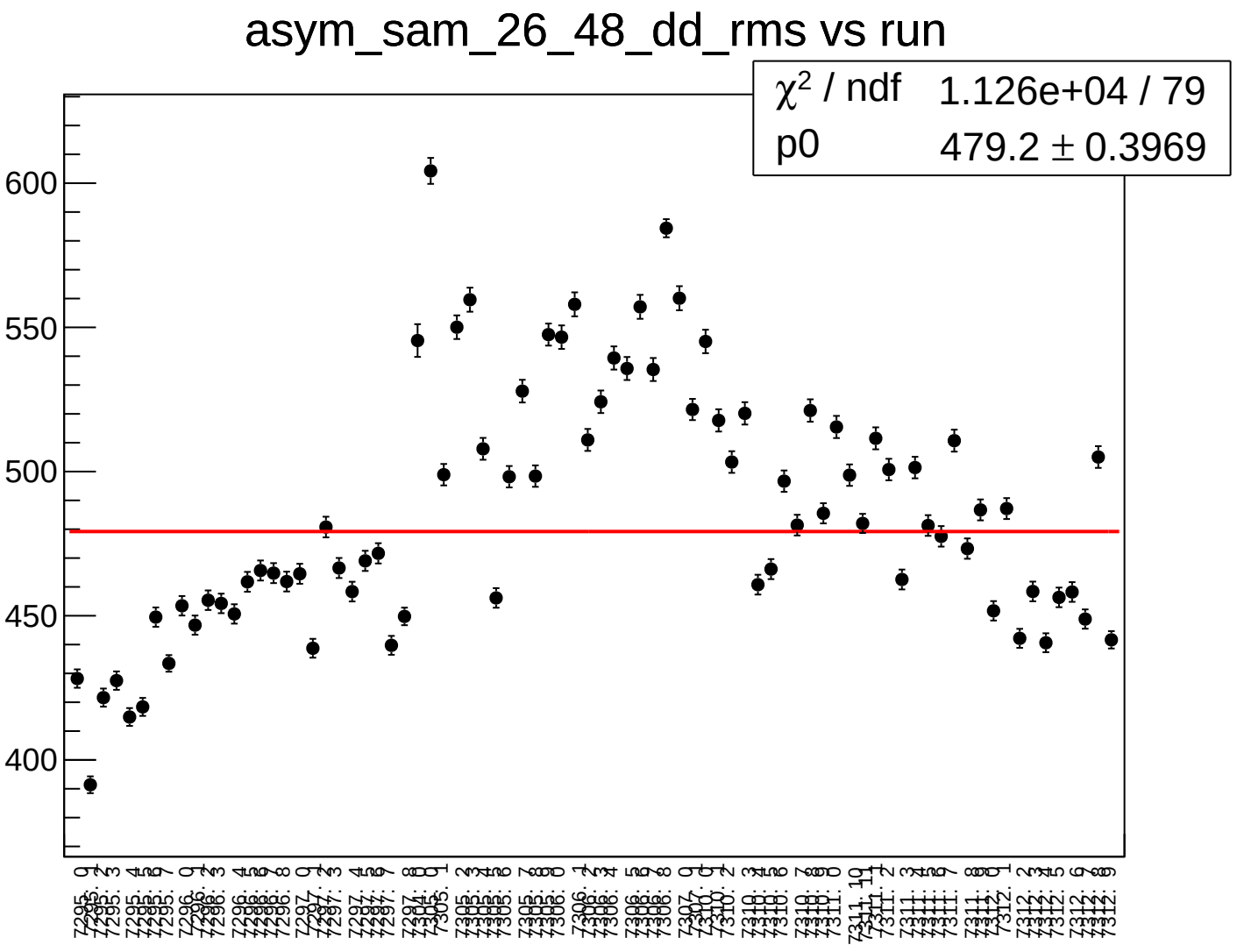

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7.814e+04 / 79
p0 123.1 ± 0.1044
260
240
220
200
180
160
140
120
100
80

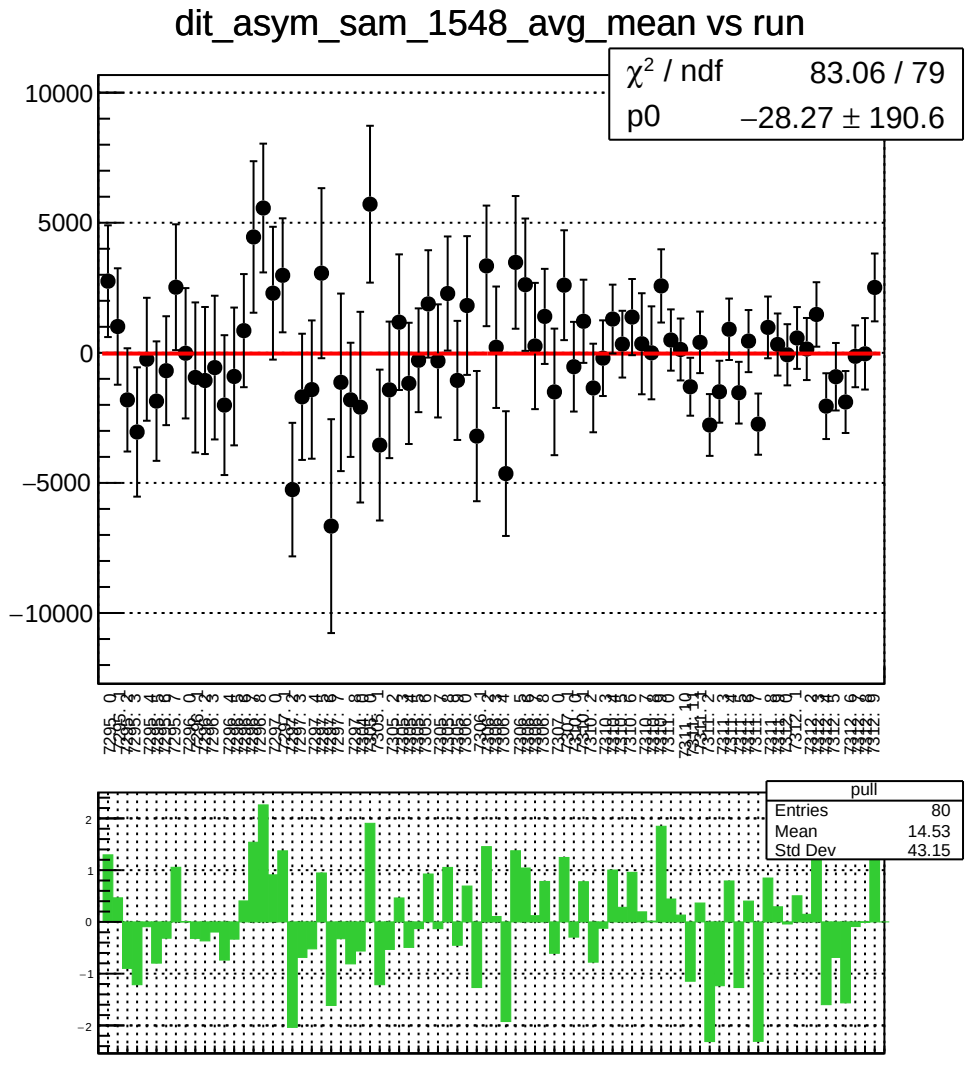

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 73.34 / 79
p0 655.6 ± 593.3
pull
Entries 80
Mean −2853
Std Dev 2897
pull1D
Entries 80
Mean −0.001187
Std Dev 0.9575

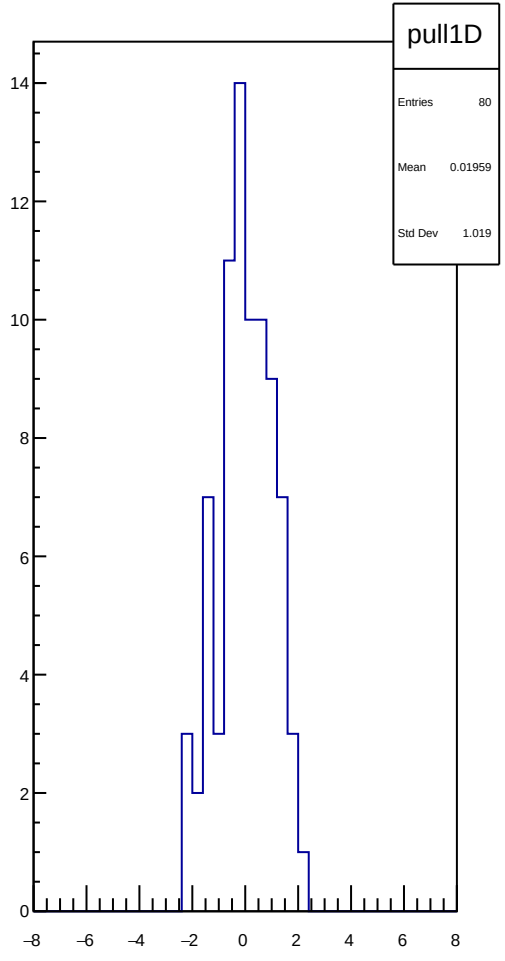

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 8011 / 79
p0 507 ± 0.4195
600
580
560
540
520
500
480
460
440
420

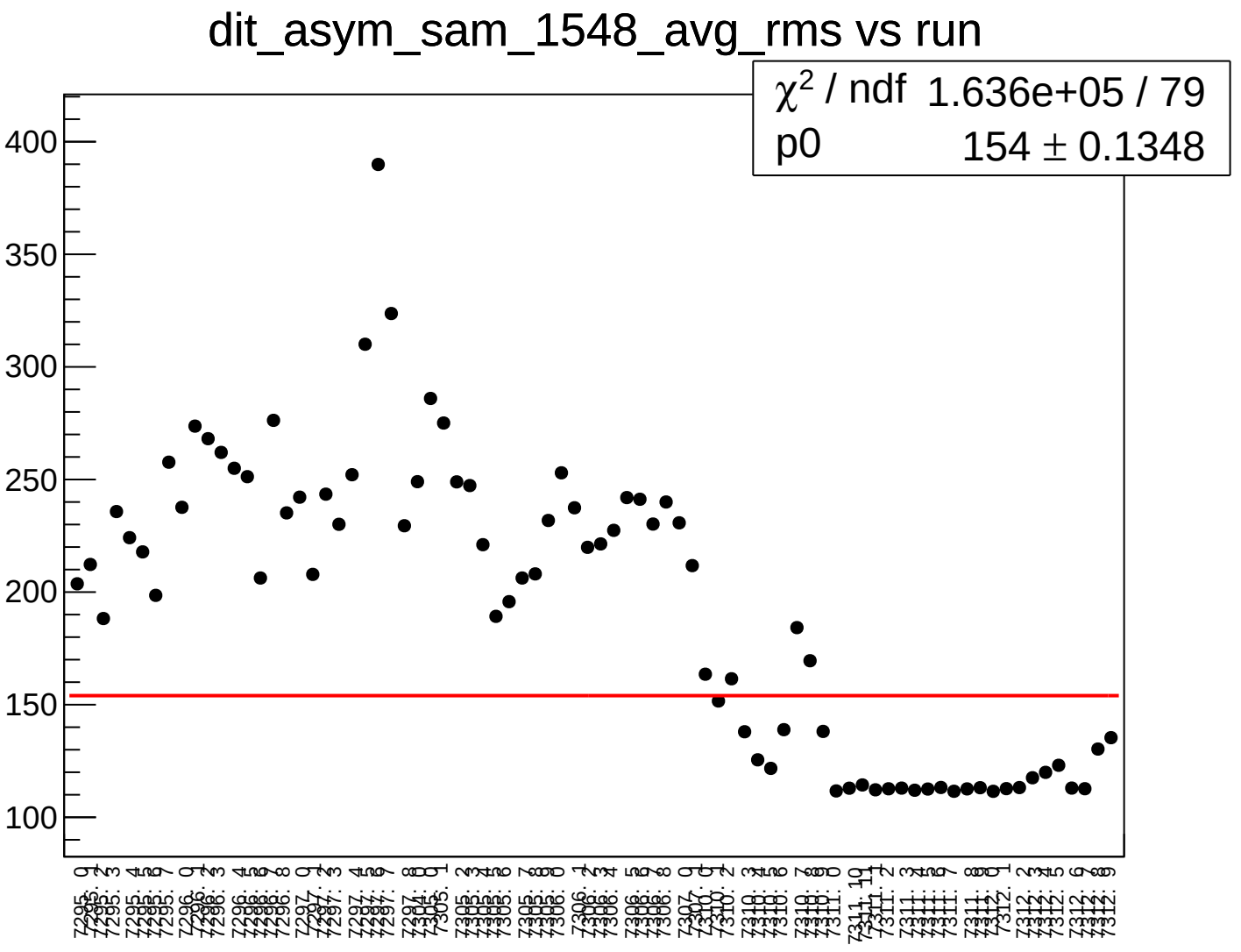

asym_sam_26_48_dd_mean vs run
χ² / ndf 72.61 / 79
p0 −758 ± 561.3
pull
Entries 80
Mean −521.4
Std Dev 564.1

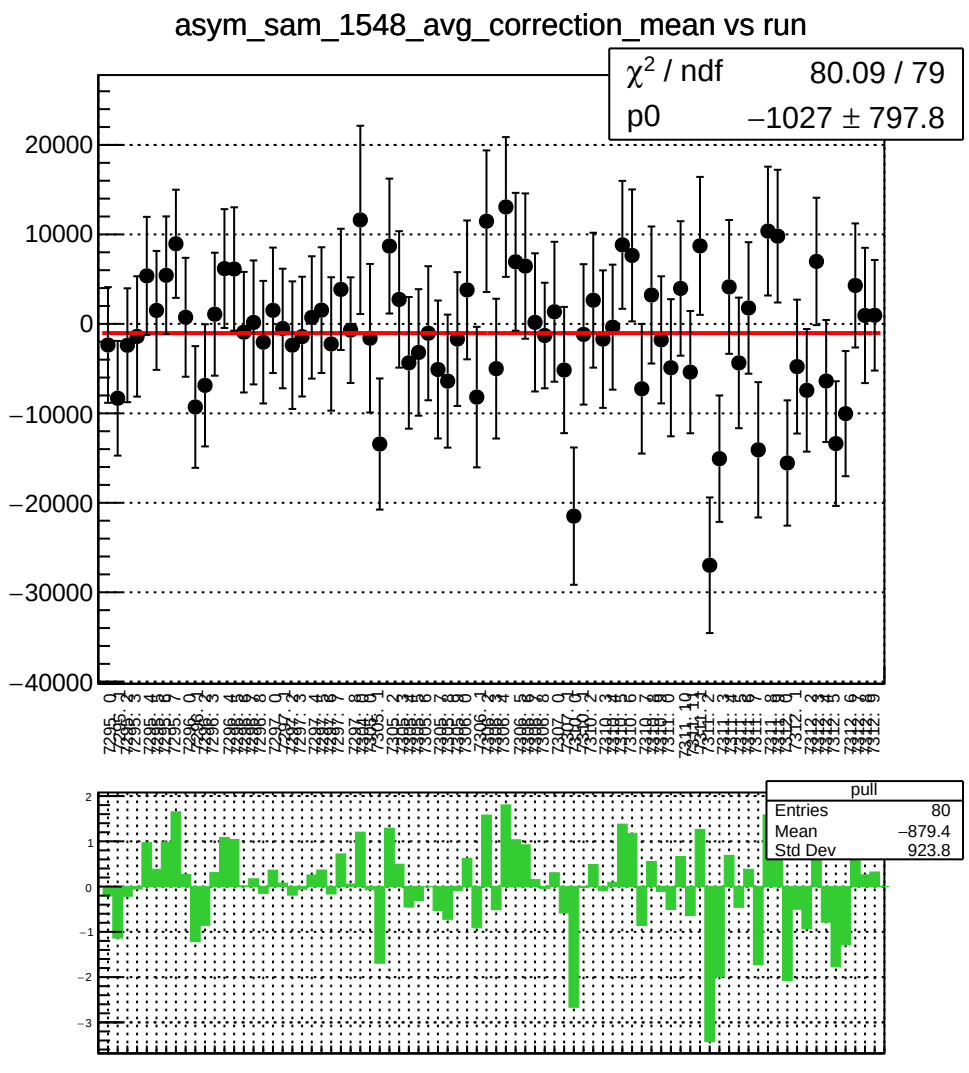

pull1D
Entries 80
Mean 0.006309
Std Dev 0.9527

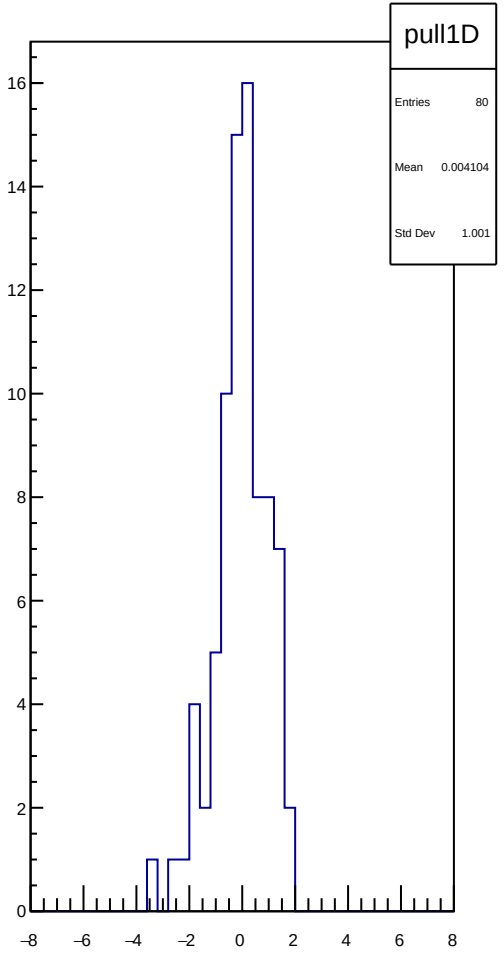

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.126e+04 / 79
p0 479.2 ± 0.3969
600
550
500
450
400

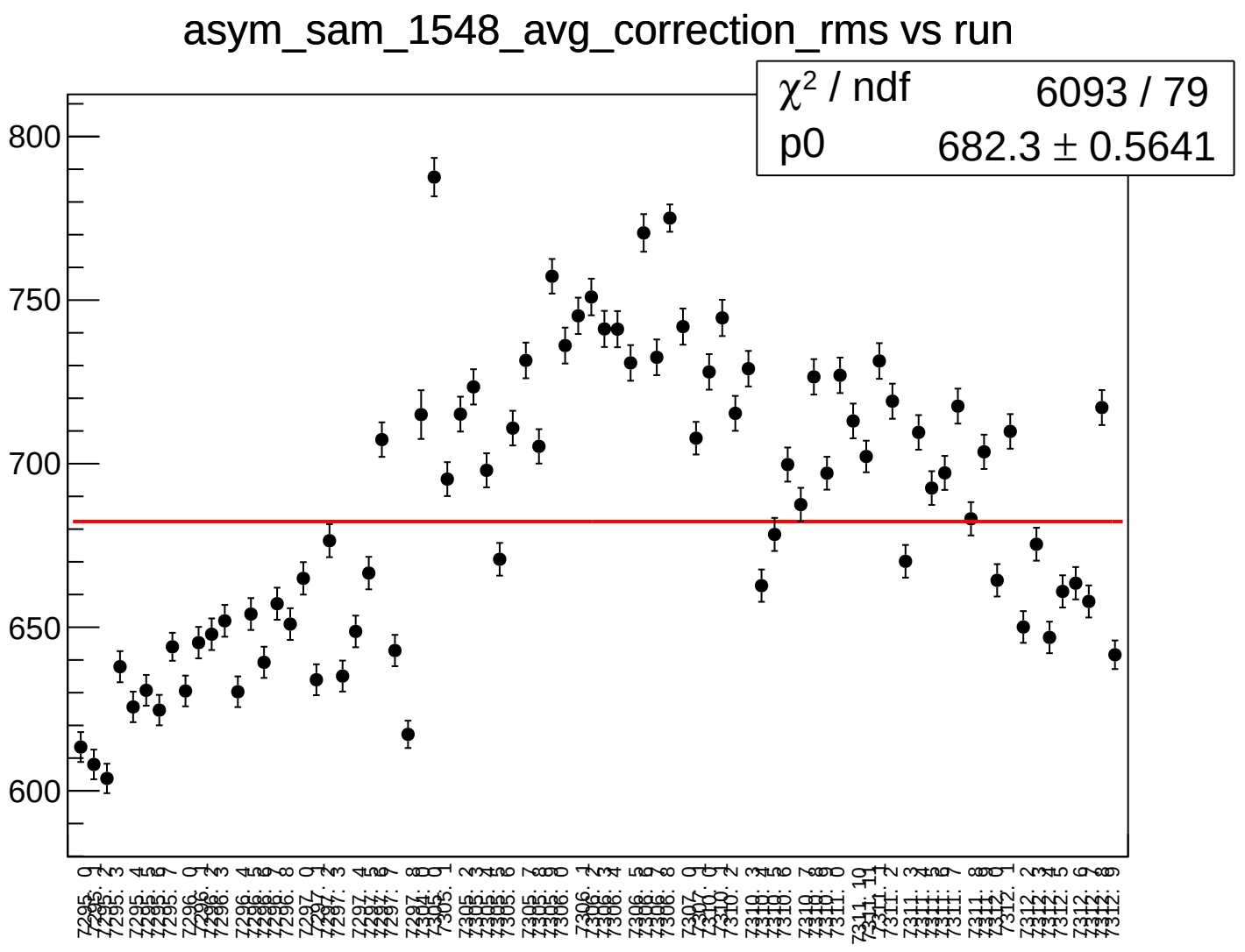

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.06 / 79
p0 −28.27 ± 190.6
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 14.53
Std Dev 43.15
2
1
0
−1
−2

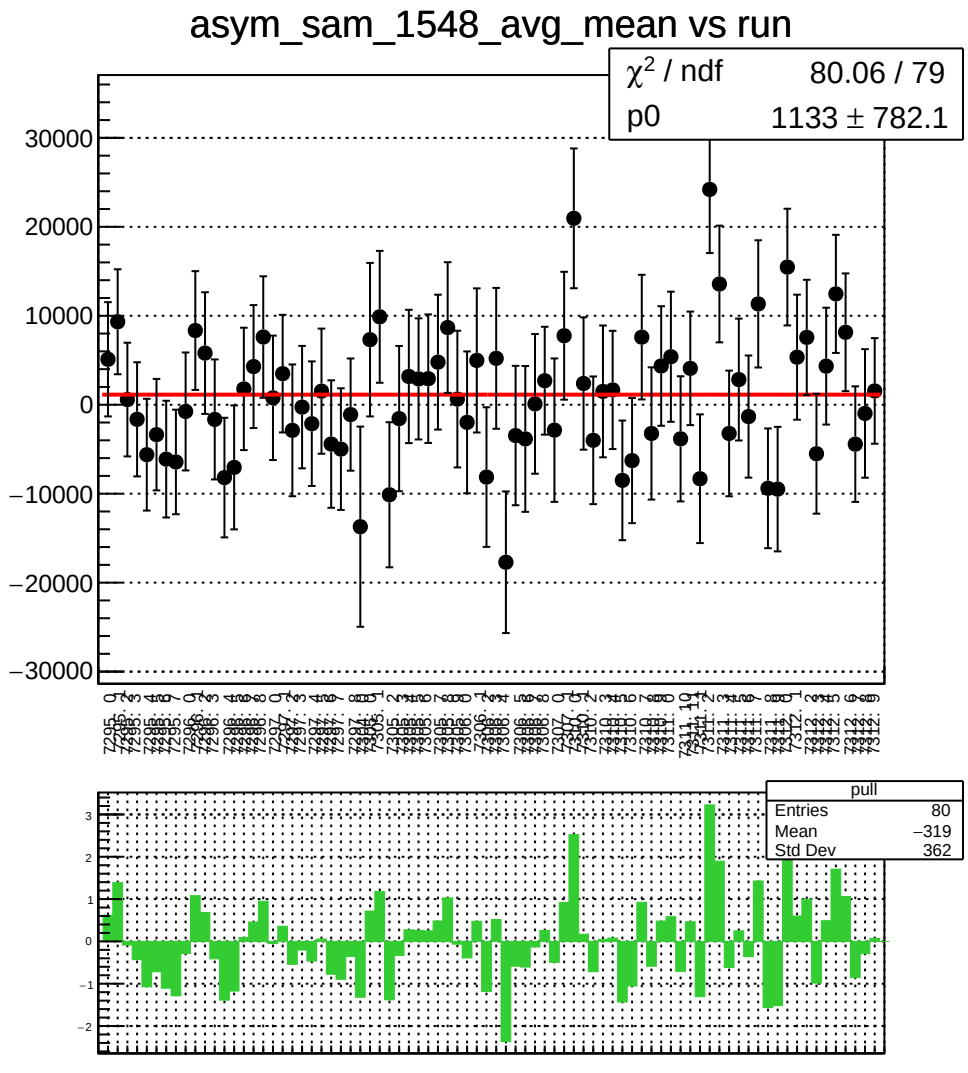

pull1D
Entries 80
Mean 0.01959
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

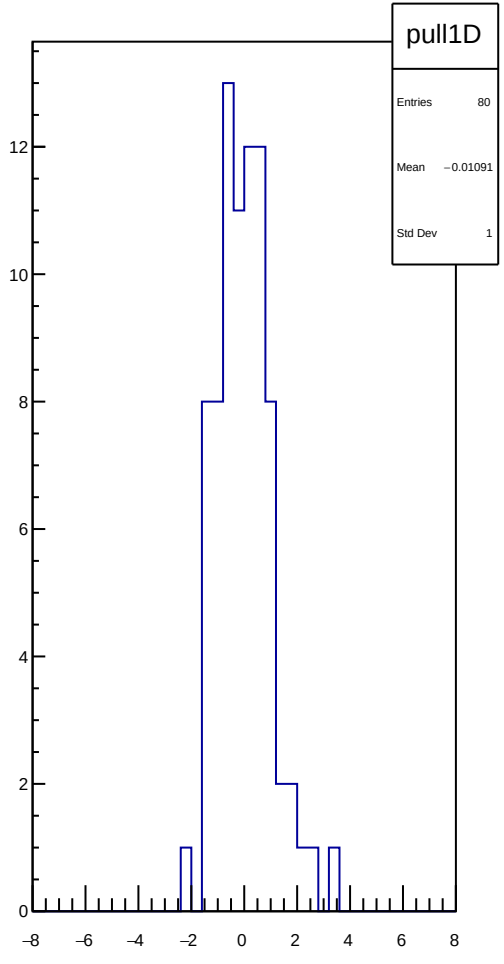

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.636e+05 / 79
p0 154 ± 0.1348
400
350
300
250
200
150
100

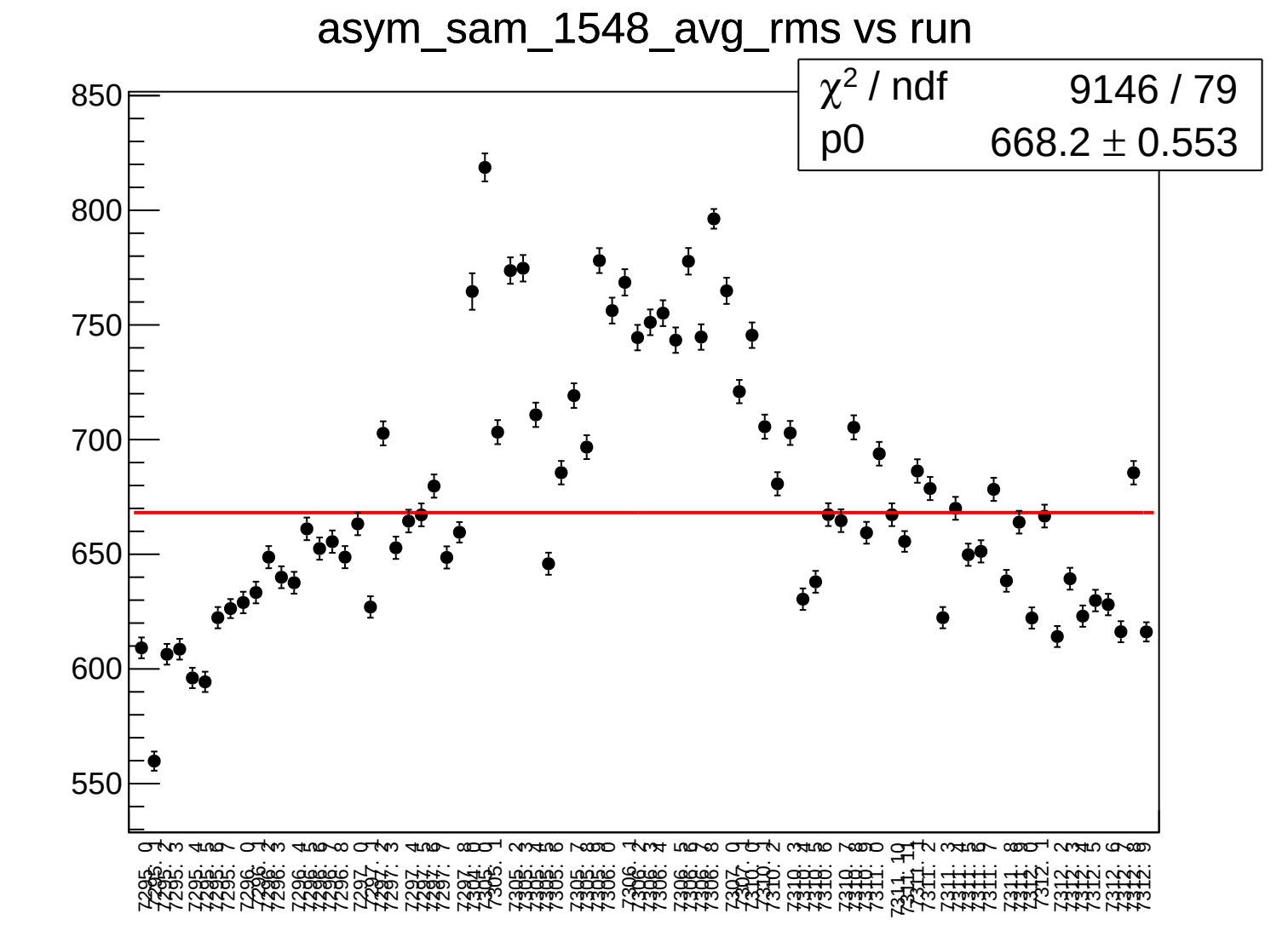

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.09 / 79
p0 −1027 ± 797.8
pull
Entries 80
Mean −879.4
Std Dev 923.8

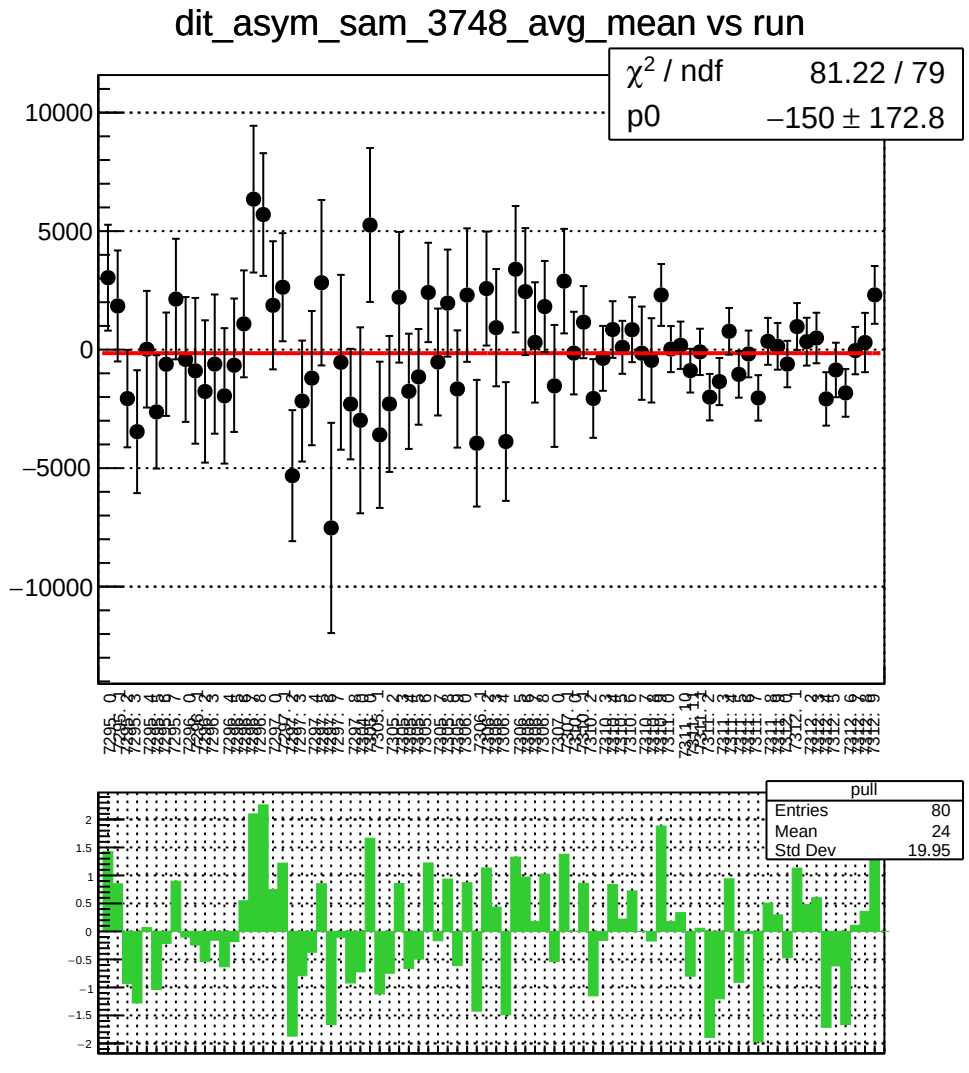

pull1D
Entries 80
Mean 0.004104
Std Dev 1.001

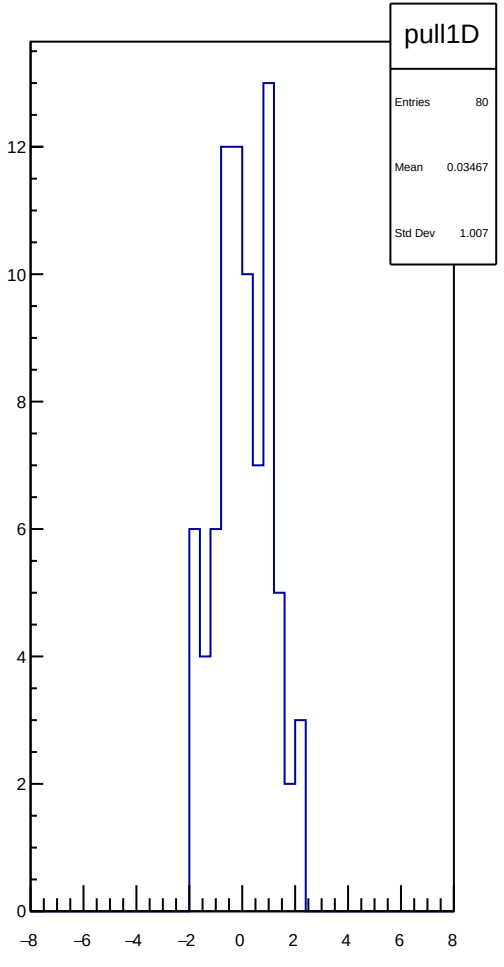

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 6093 / 79
p0 682.3 ± 0.5641
800
750
700
650
600

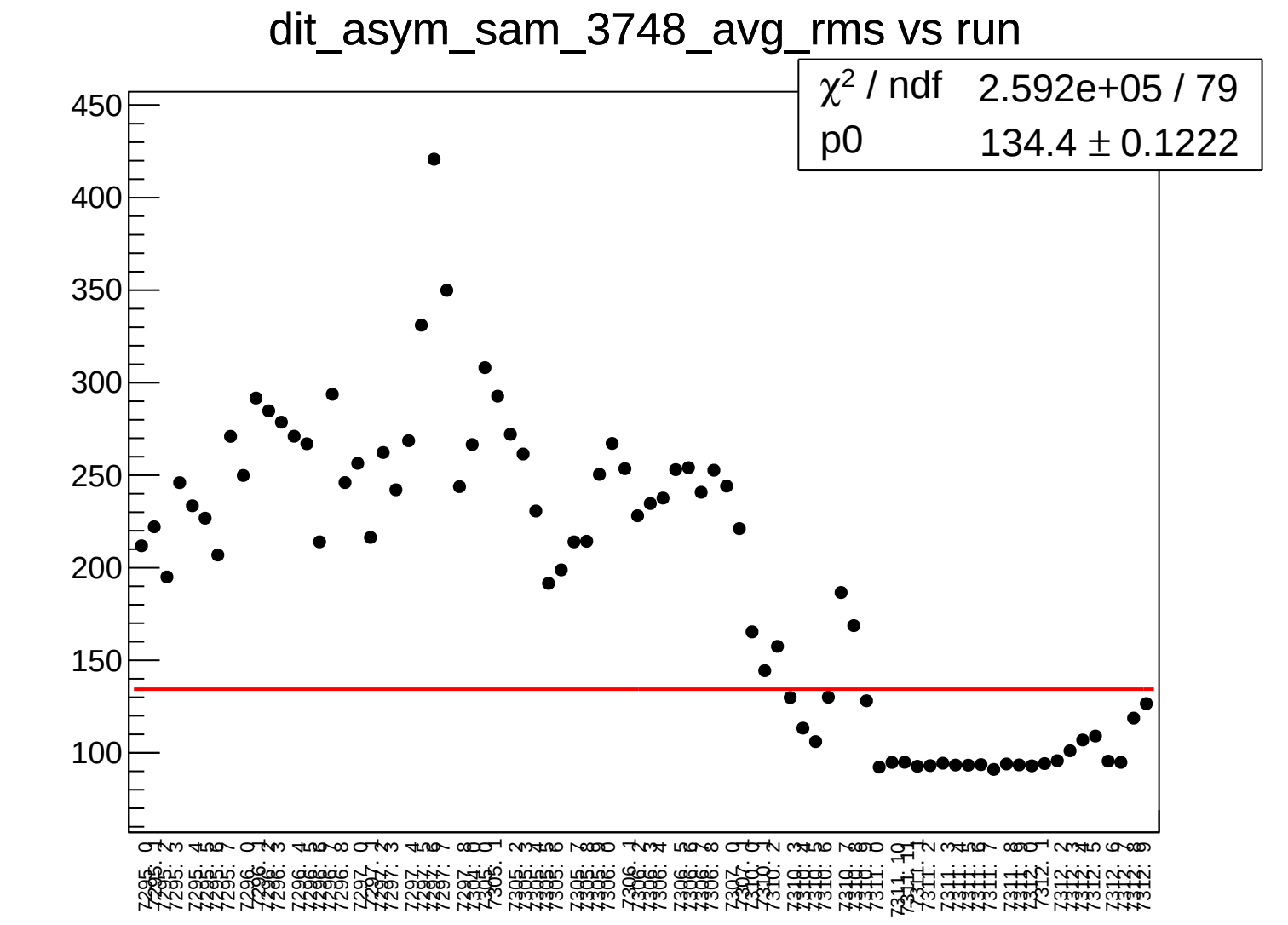

asym_sam_1548_avg_mean vs run
χ² / ndf 80.06 / 79
p0 1133 ± 782.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −319
Std Dev 362
3
2
1
0
−1
−2

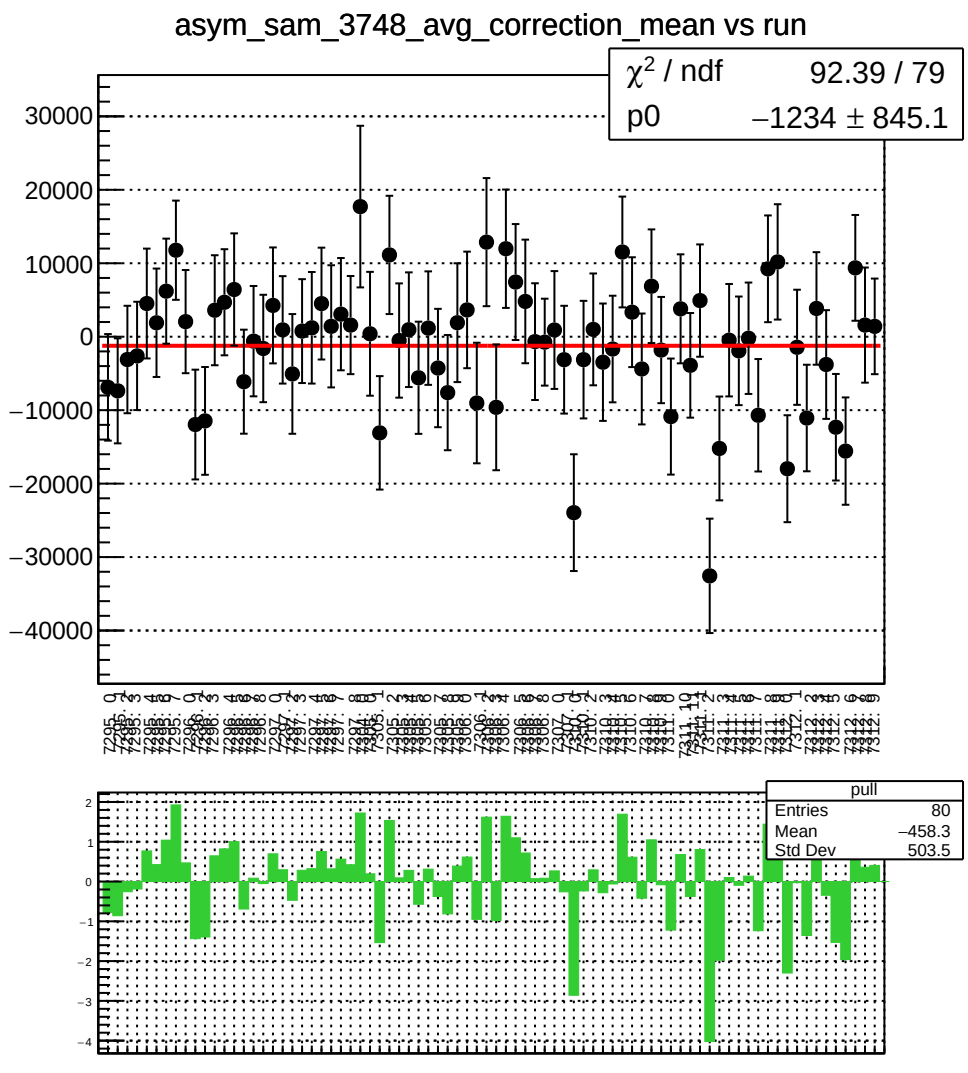

pull1D
Entries 80
Mean −0.01091
Std Dev 1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

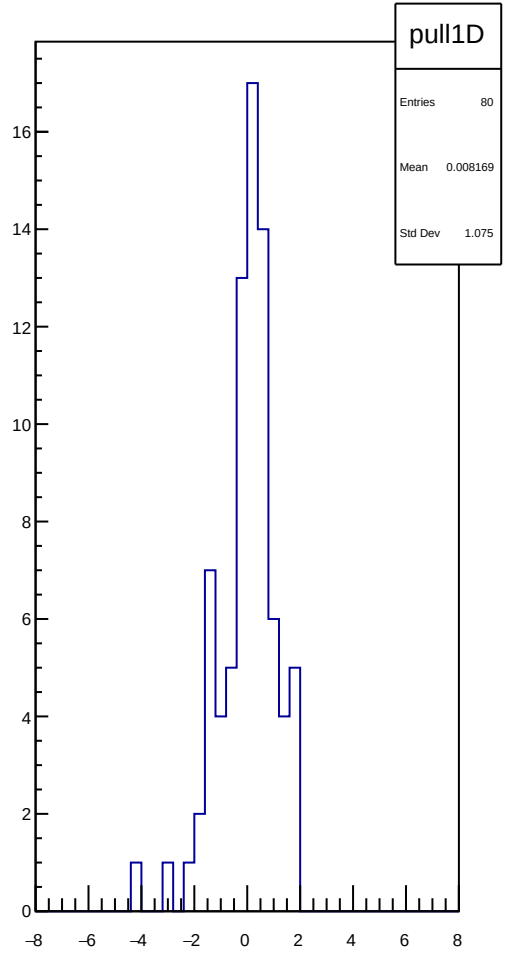

asym_sam_1548_avg_rms vs run
χ² / ndf 9146 / 79
p0 668.2 ± 0.553
850
800
750
700
650
600
550

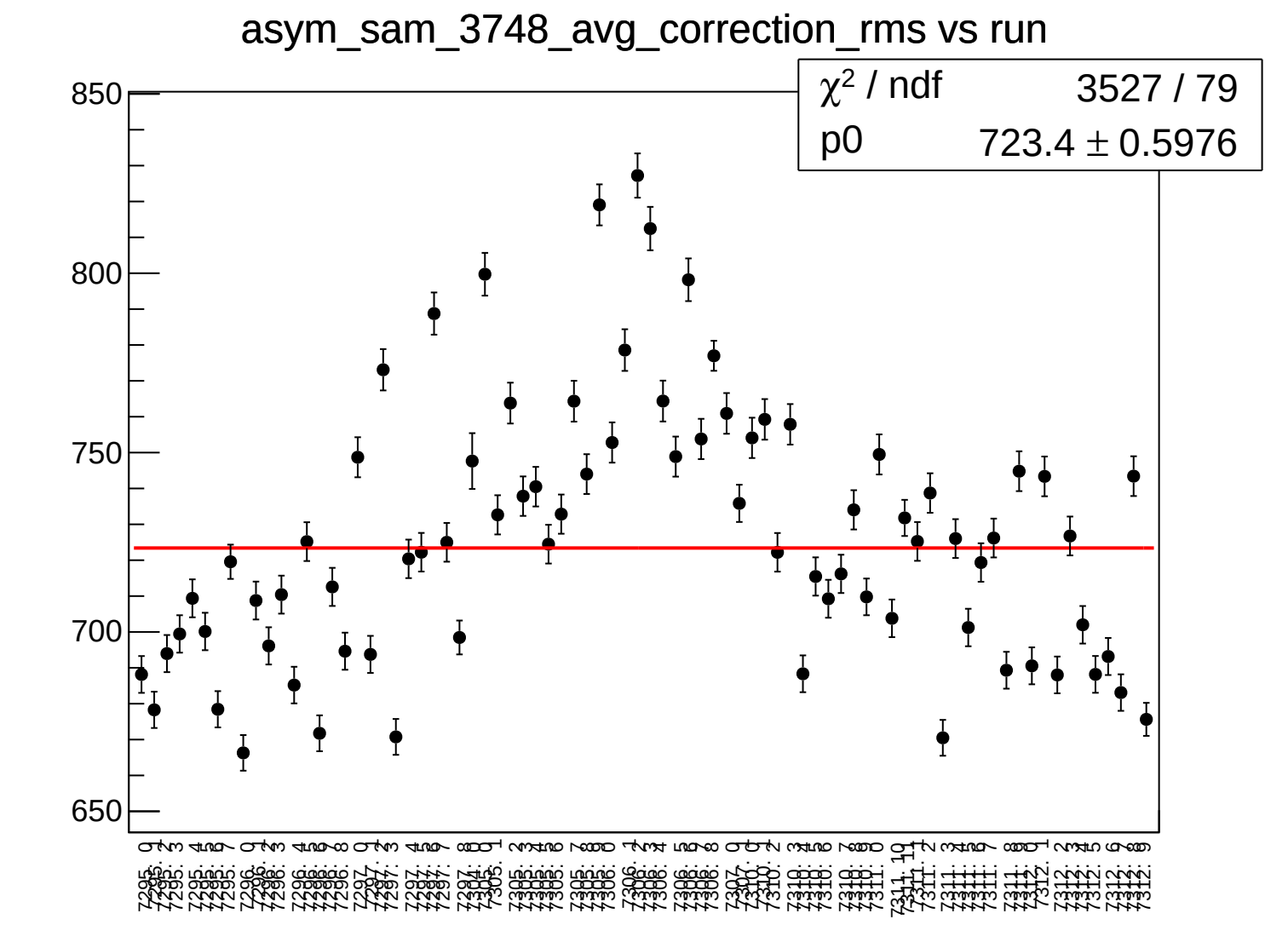

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.22 / 79
p0 −150 ± 172.8
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 24
Std Dev 19.95
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

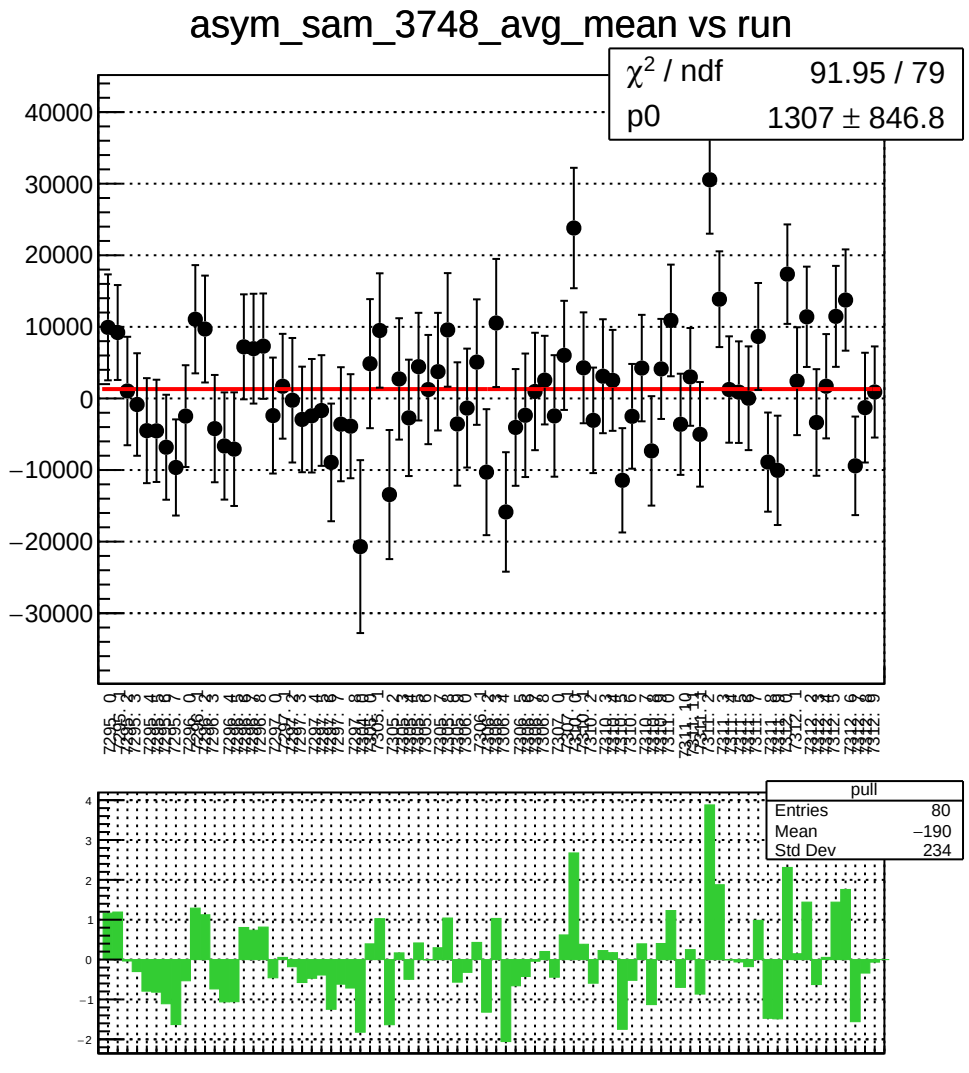

pull1D
Entries 80
Mean 0.03467
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

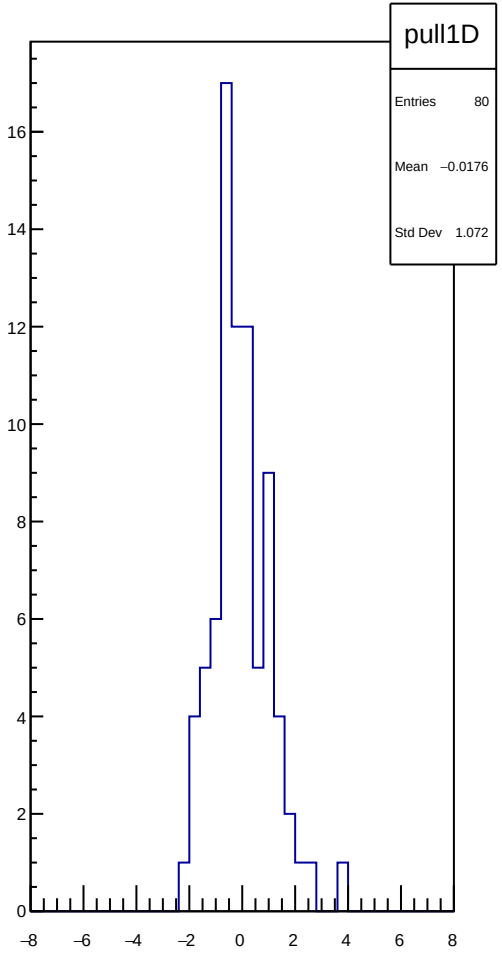

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.592e+05 / 79
p0 134.4 ± 0.1222
450
400
350
300
250
200
150
100

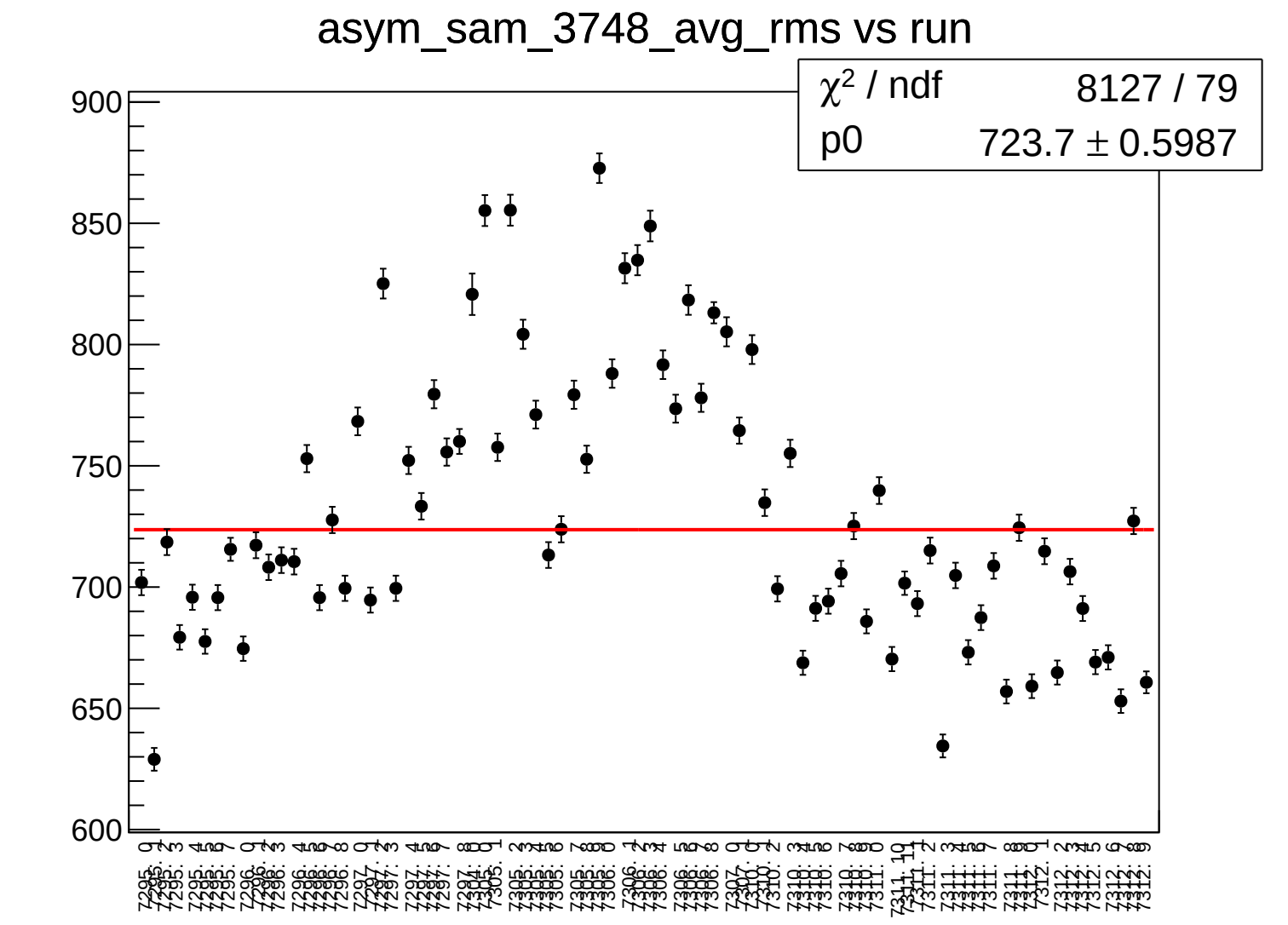

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 92.39 / 79
p0 −1234 ± 845.1
pull
Entries 80
Mean −458.3
Std Dev 503.5

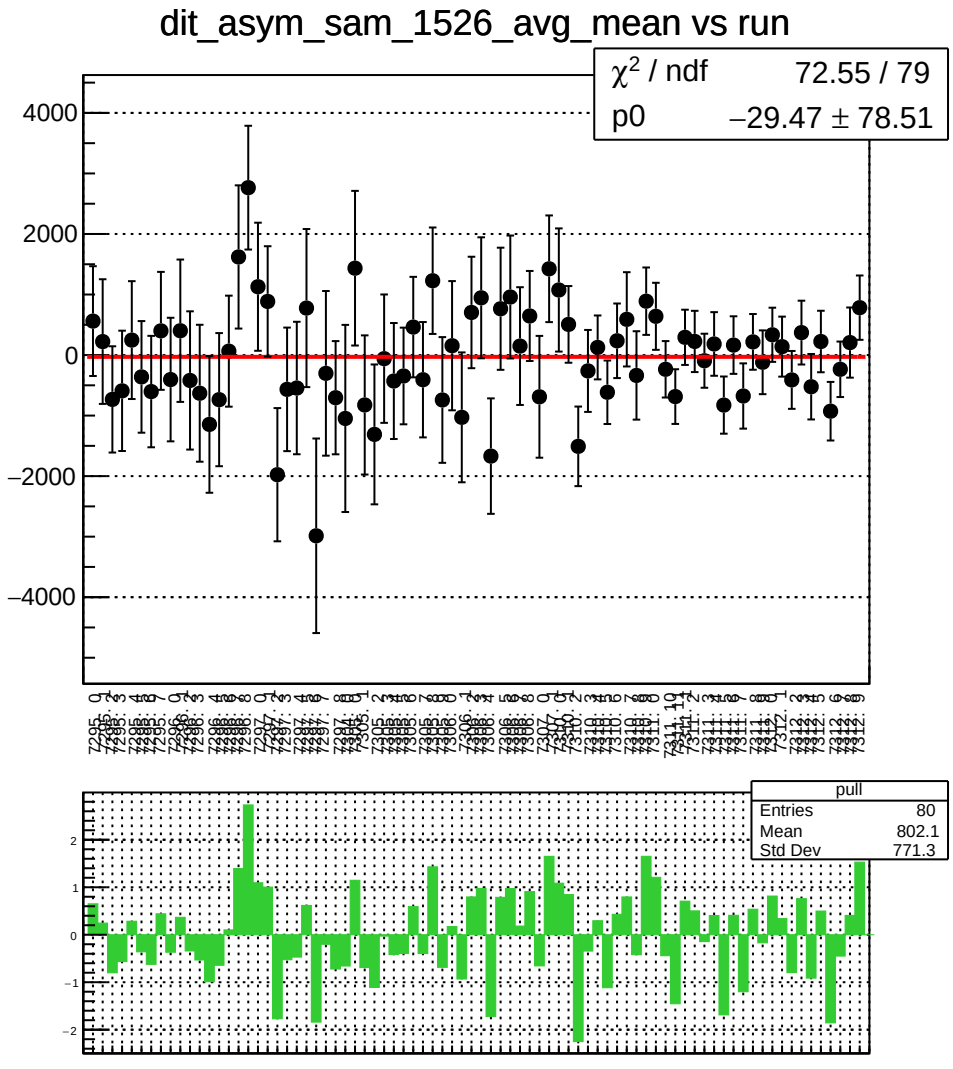

pull1D
Entries 80
Mean 0.008169
Std Dev 1.075

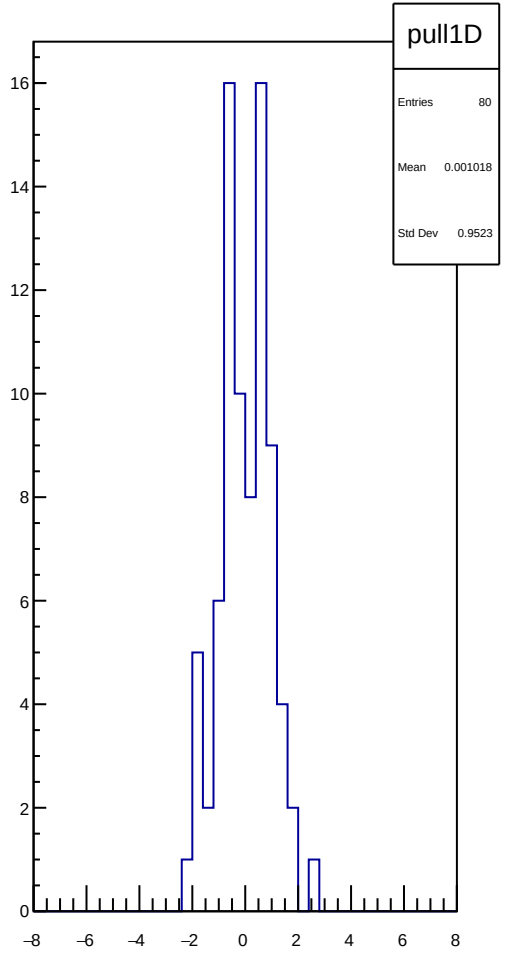

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3527 / 79
p0 723.4 ± 0.5976
850
800
750
700
650

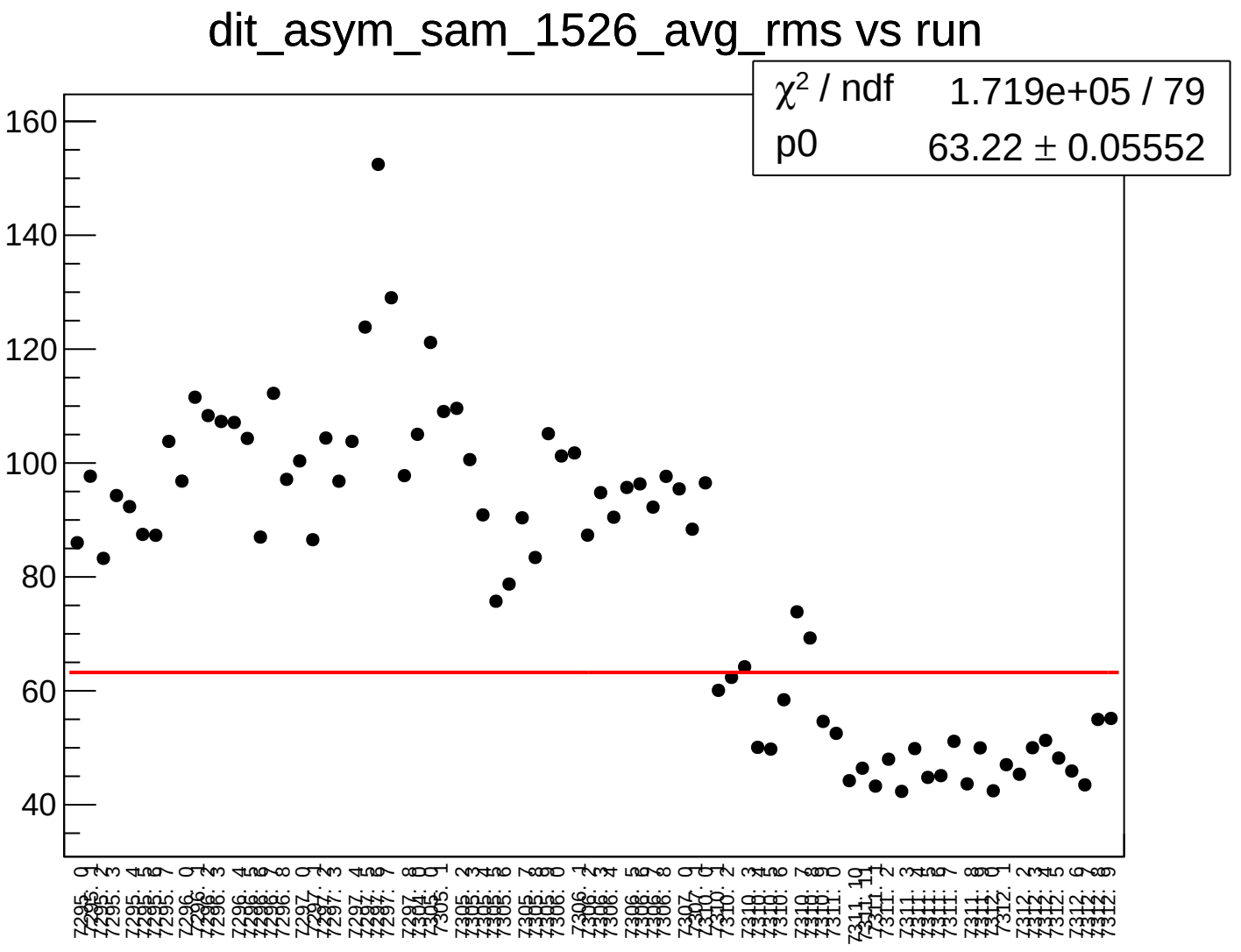

asym_sam_3748_avg_mean vs run
χ^2 / ndf 91.95 / 79
p0 1307 ± 846.8
pull
Entries 80
Mean −190
Std Dev 234

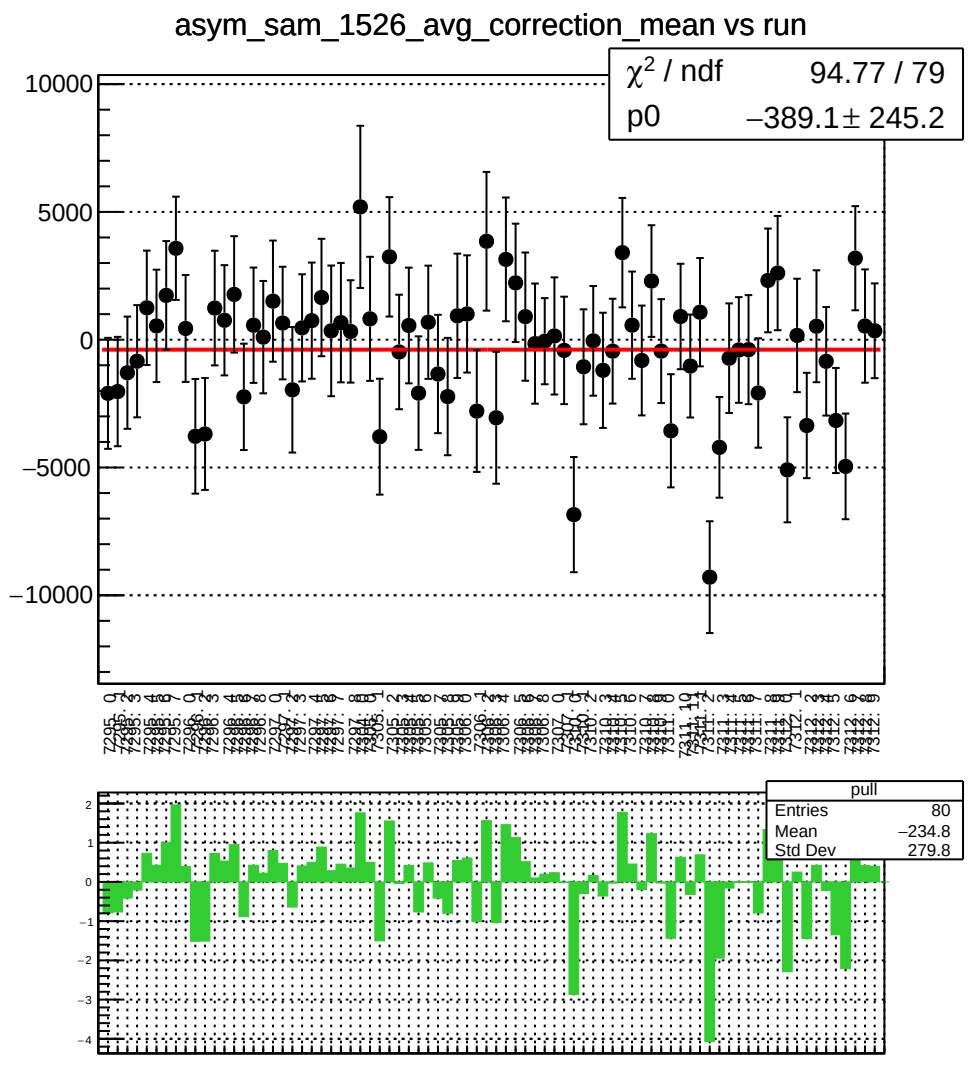

pull1D
Entries 80
Mean −0.0176
Std Dev 1.072

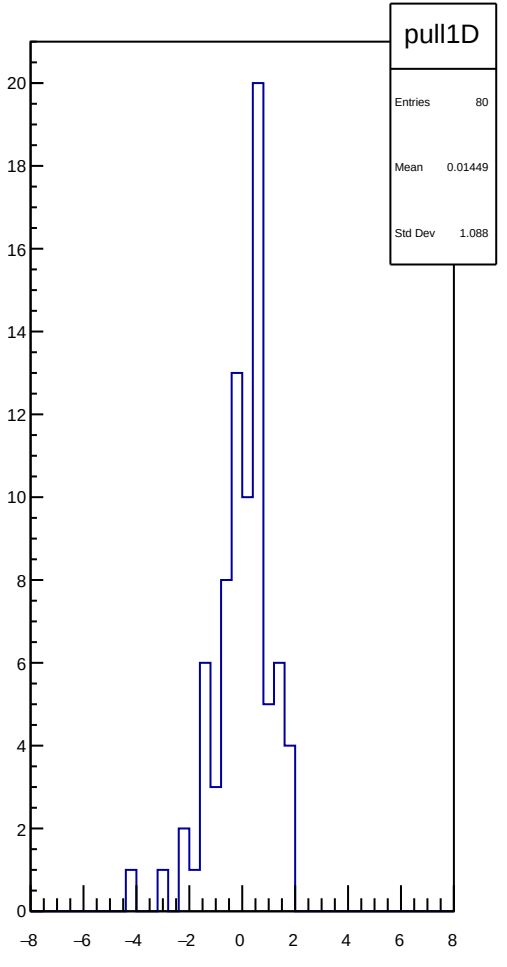

asym_sam_3748_avg_rms vs run
χ² / ndf 8127 / 79
p0 723.7 ± 0.5987
900
850
800
750
700
650
600

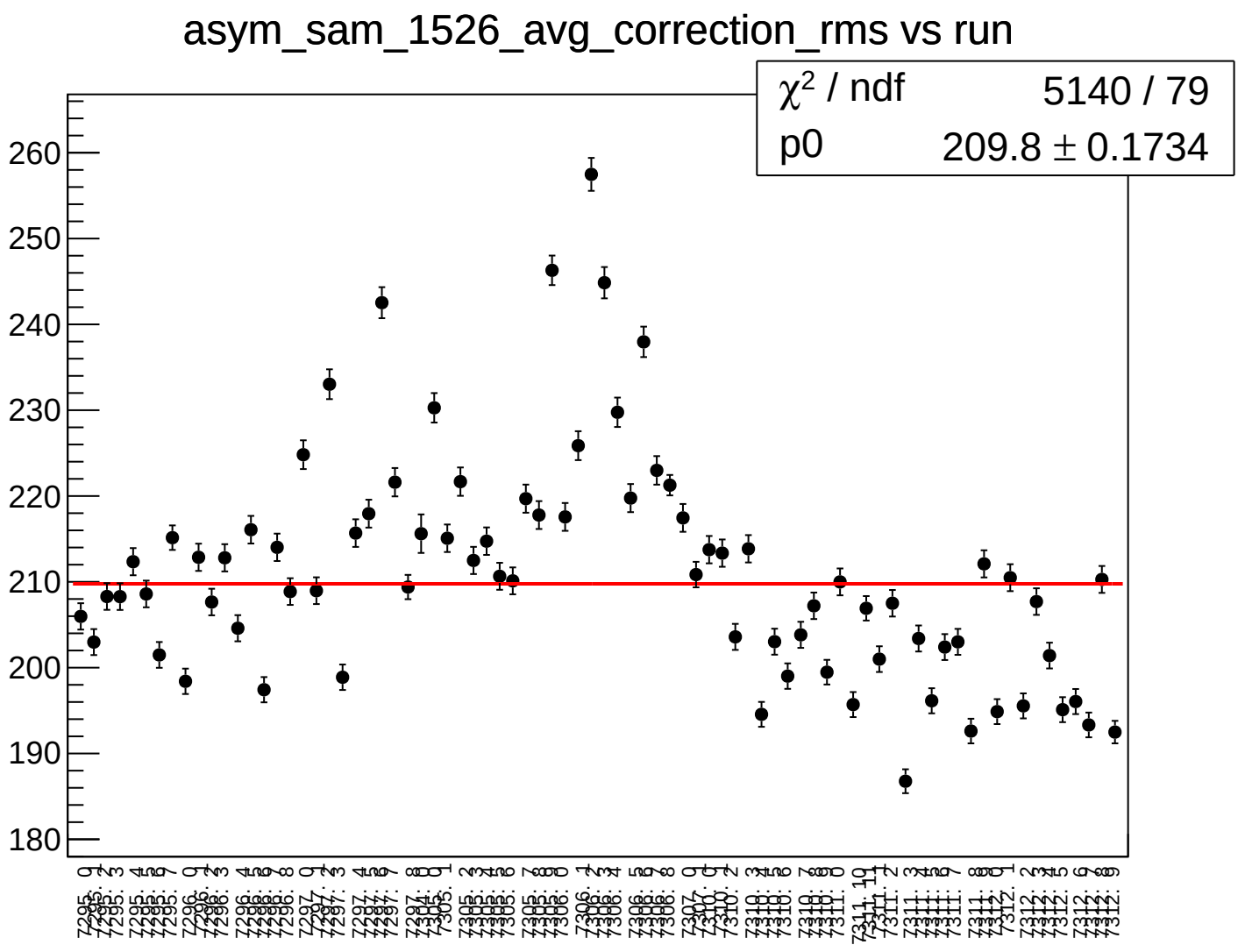

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 72.55 / 79
p0 −29.47 ± 78.51
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 802.1
Std Dev 771.3
2
1
0
−1
−2

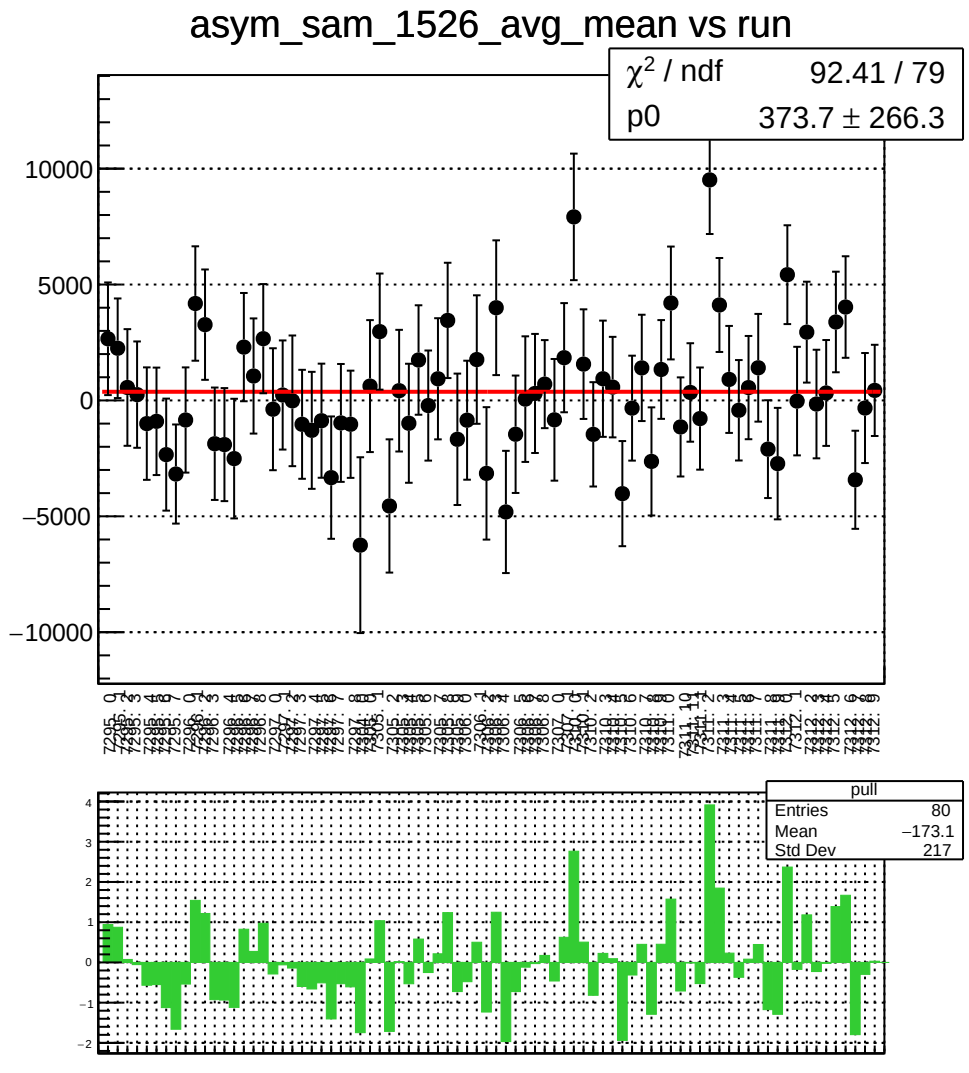

pull1D
Entries 80
Mean 0.001018
Std Dev 0.9523
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

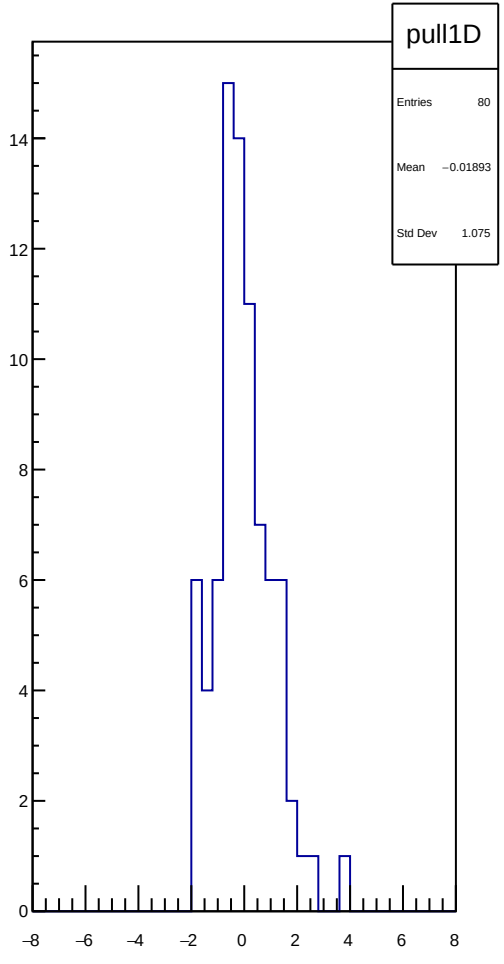

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.719e+05 / 79
p0 63.22 ± 0.05552
160
140
120
100
80
60
40

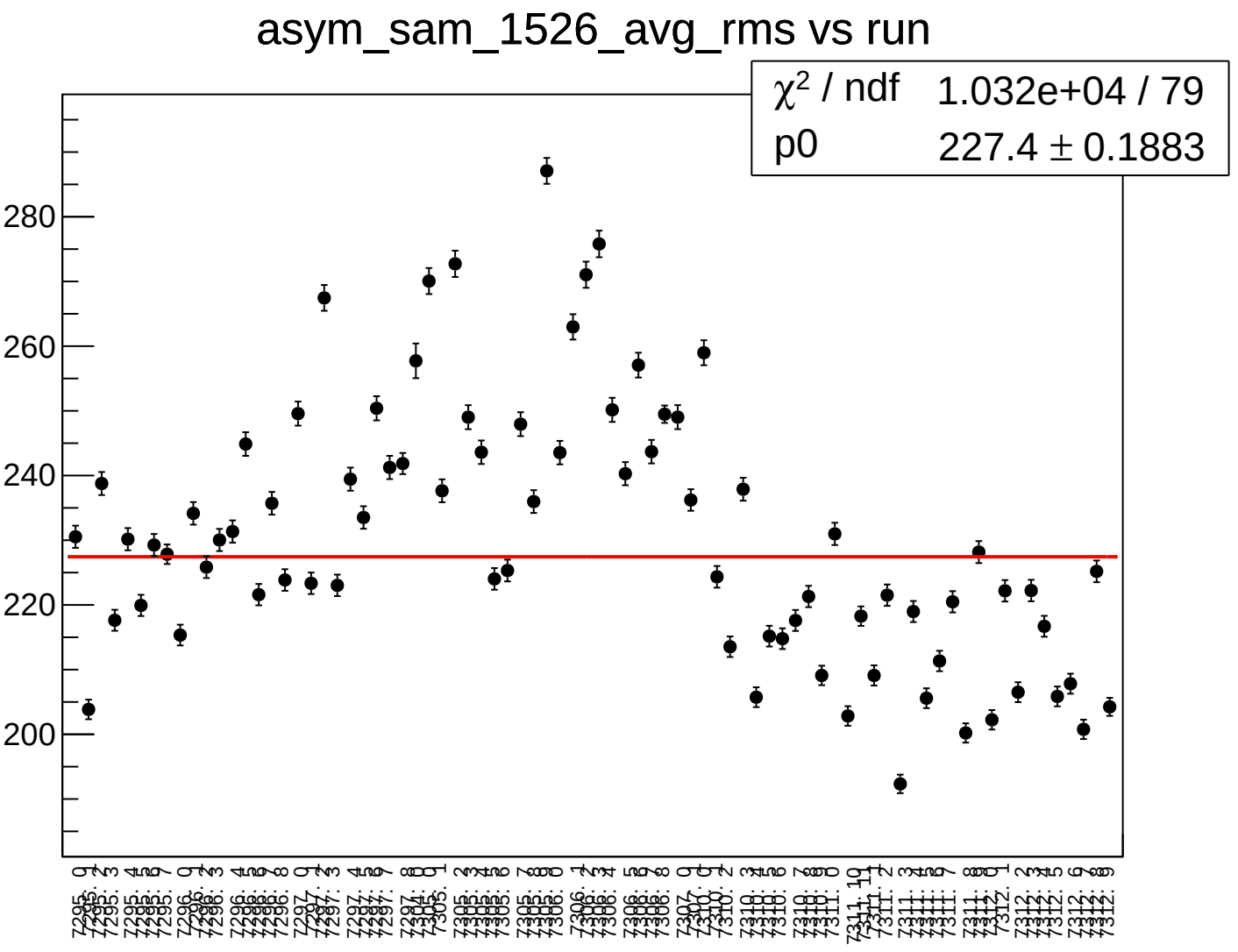

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 94.77 / 79
p0 −389.1± 245.2
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −234.8
Std Dev 279.8
2
1
0
−1
−2
−3
−4

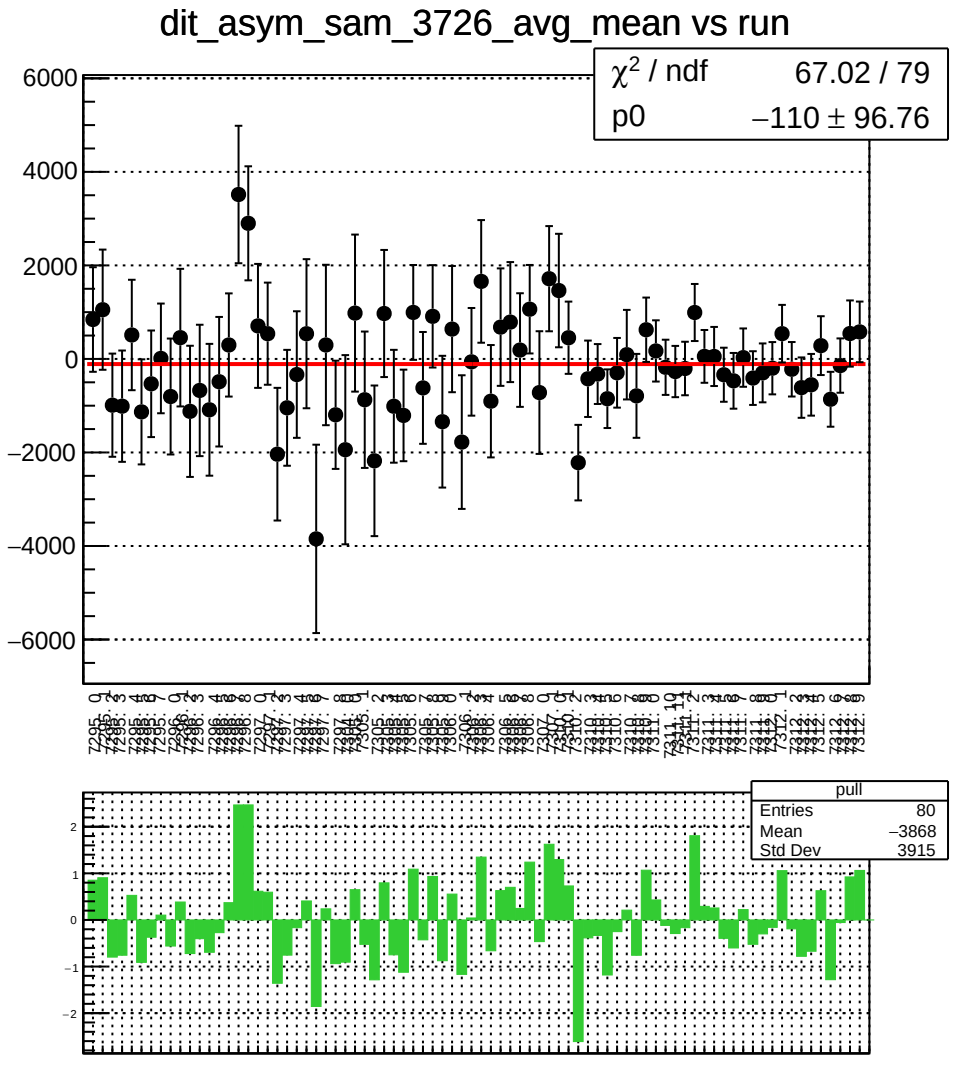

pull1D
Entries 80
Mean 0.01449
Std Dev 1.088
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

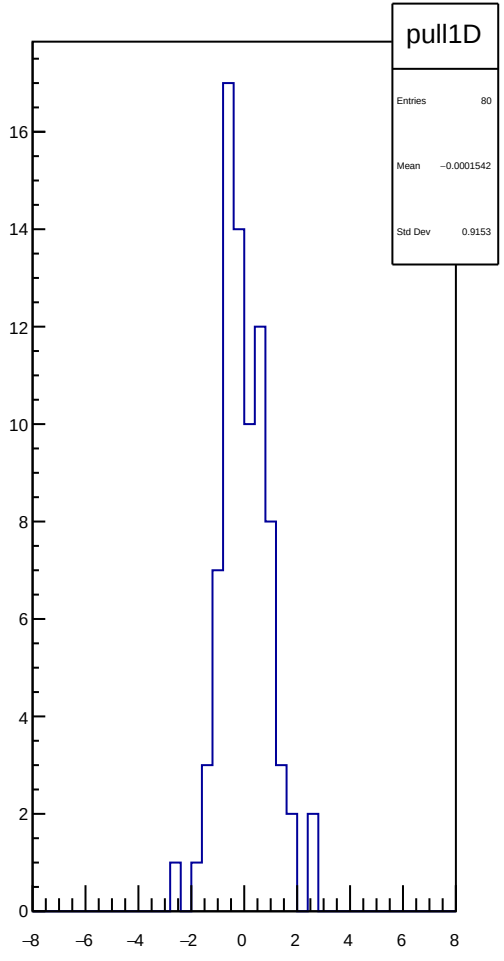

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5140 / 79
p0 209.8 ± 0.1734
260
250
240
230
220
210
200
190
180

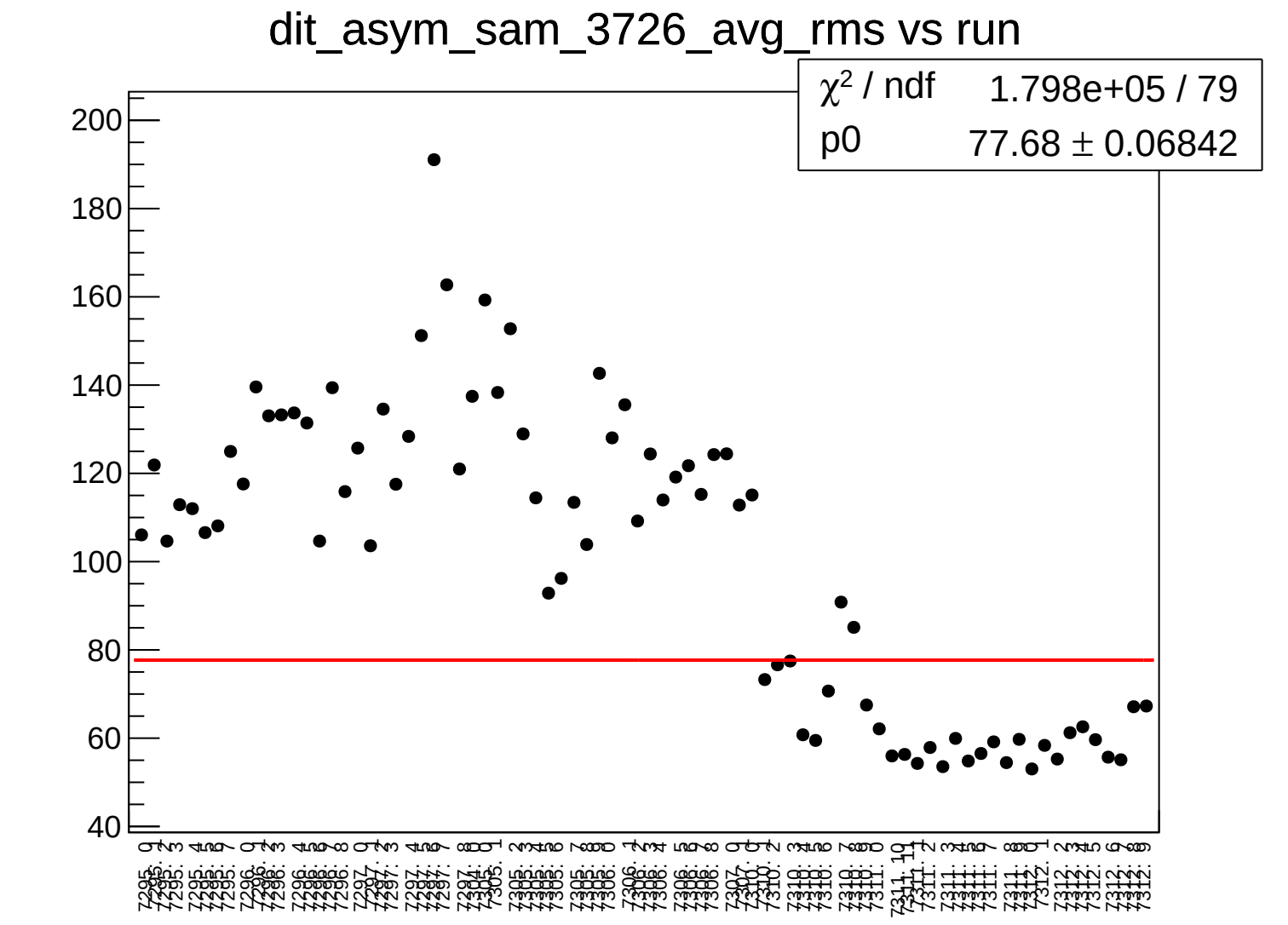

asym_sam_1526_avg_mean vs run
χ² / ndf 92.41 / 79
p0 373.7 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −173.1
Std Dev 217
4
3
2
1
0
−1
−2

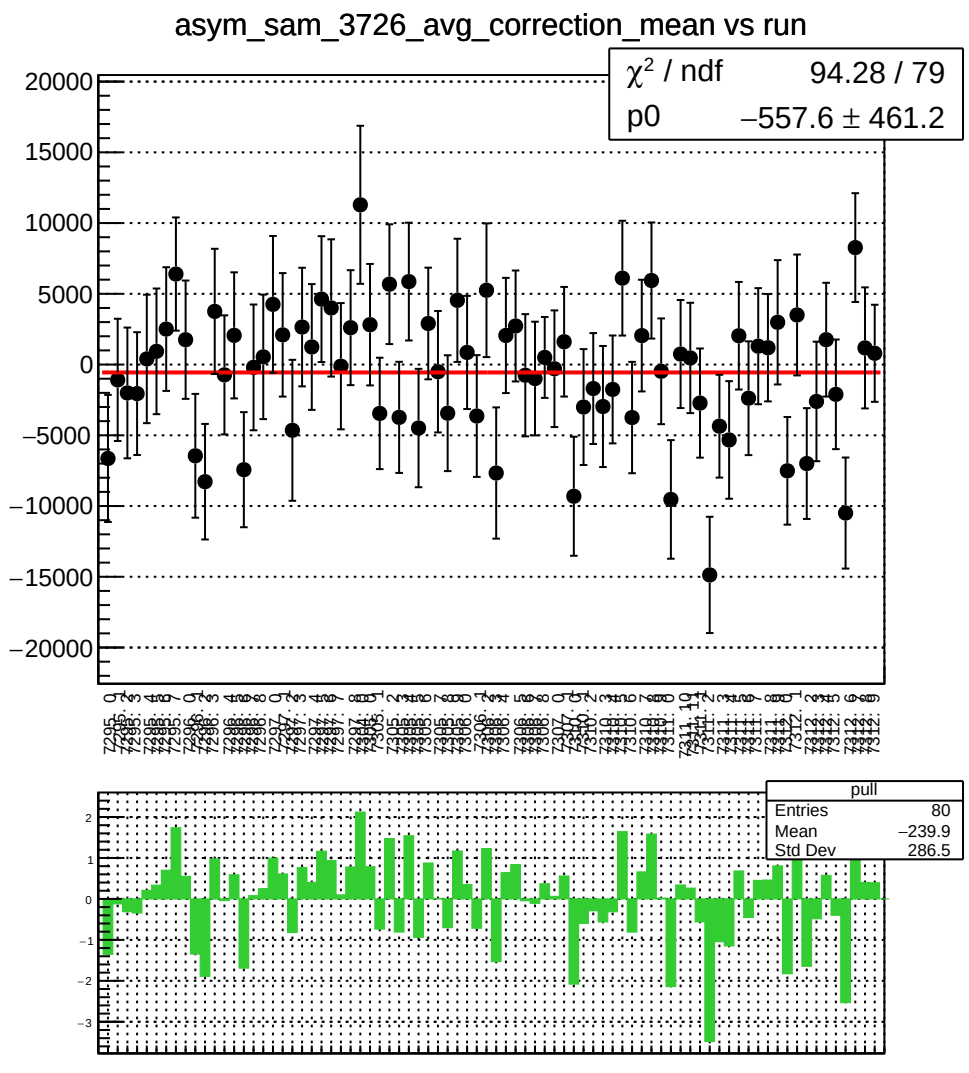

pull1D
Entries 80
Mean −0.01893
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

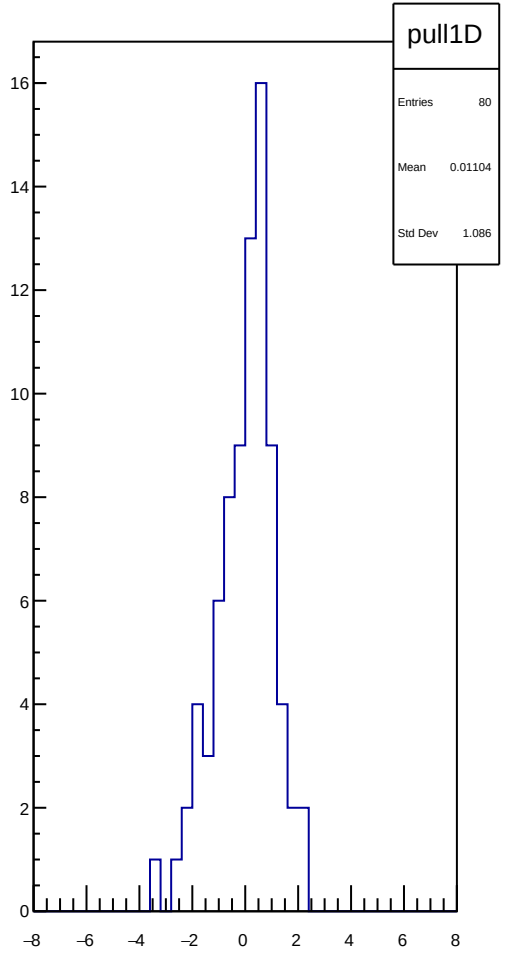

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.032e+04 / 79
p0 227.4 ± 0.1883
280
260
240
220
200

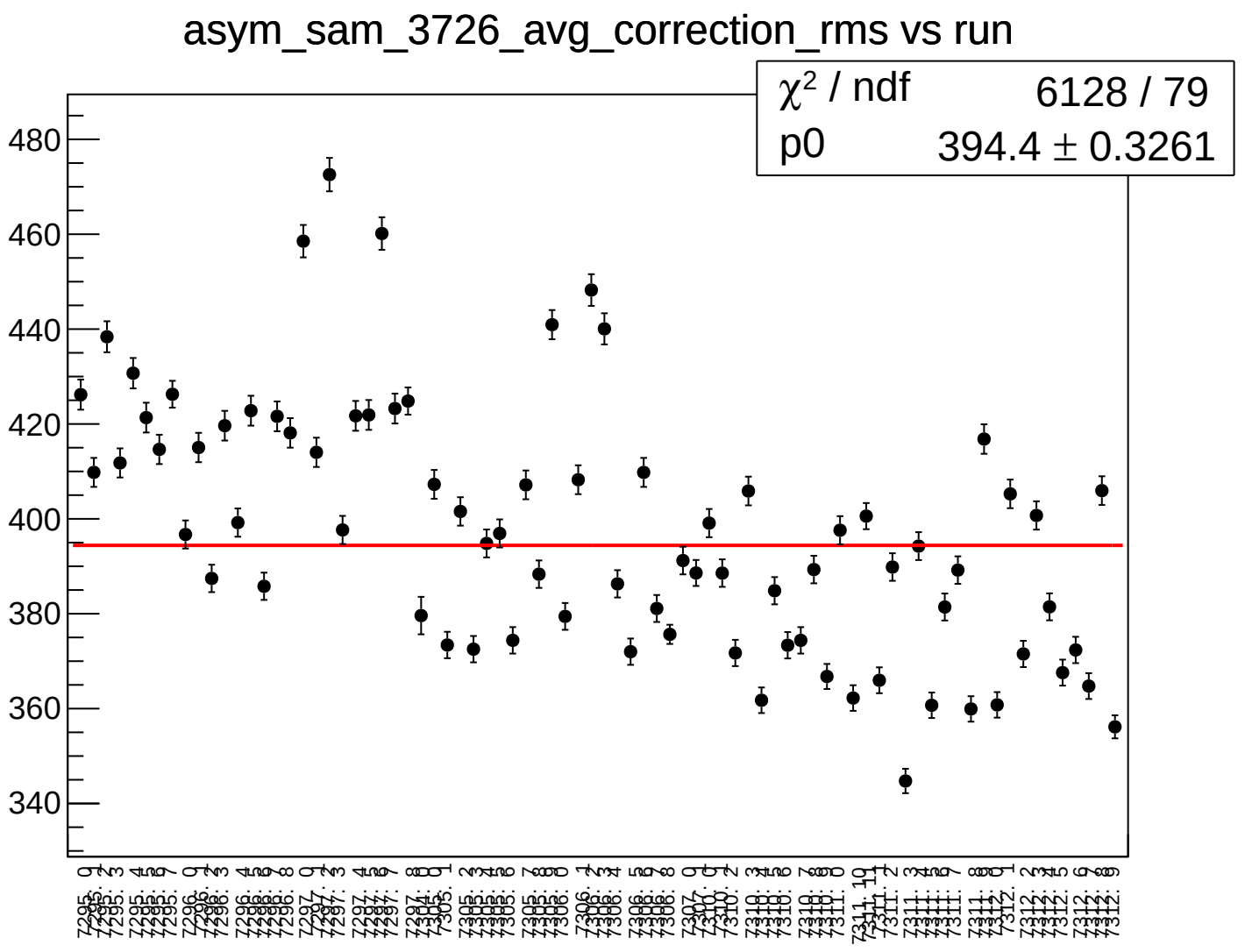

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 67.02 / 79
p0 −110 ± 96.76
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −3868
Std Dev 3915
2
1
0
−1
−2

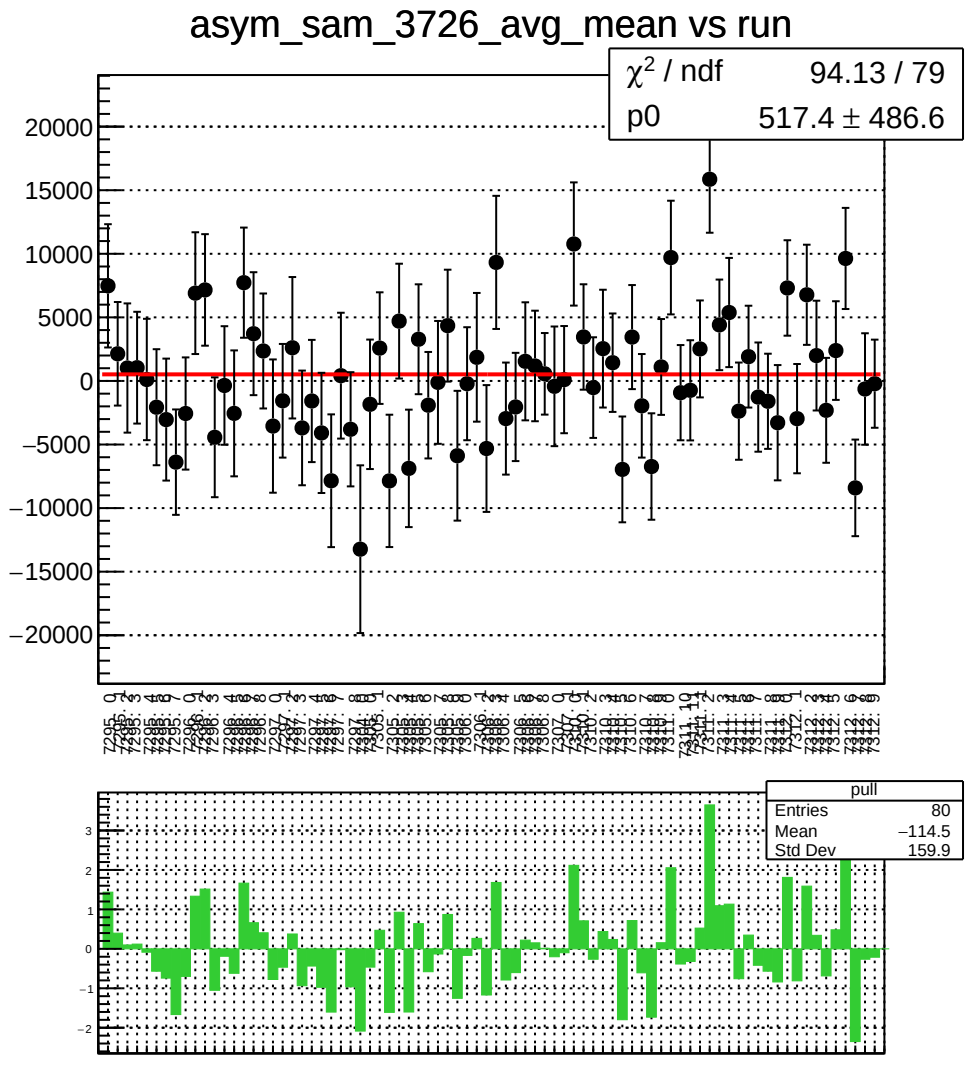

pull1D
Entries 80
Mean −0.0001542
Std Dev 0.9153
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

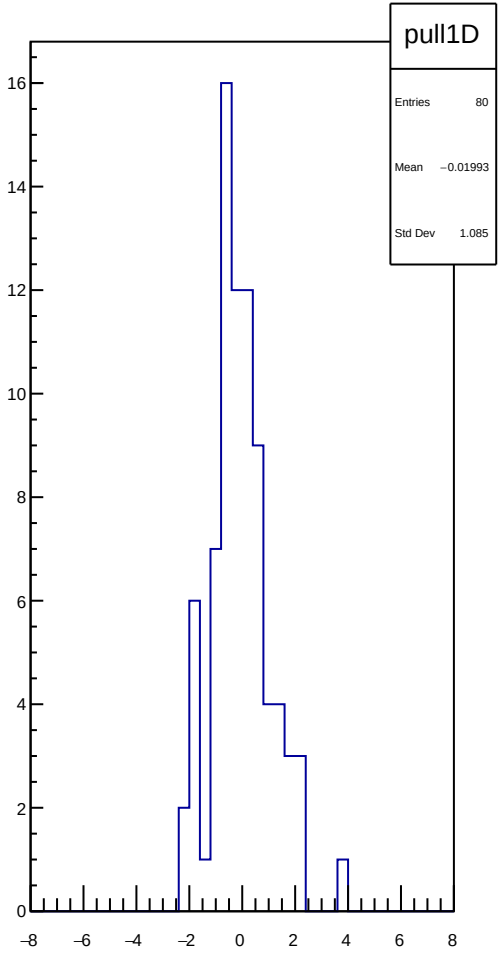

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.798e+05 / 79
p0 77.68 ± 0.06842
200
180
160
140
120
100
80
60
40

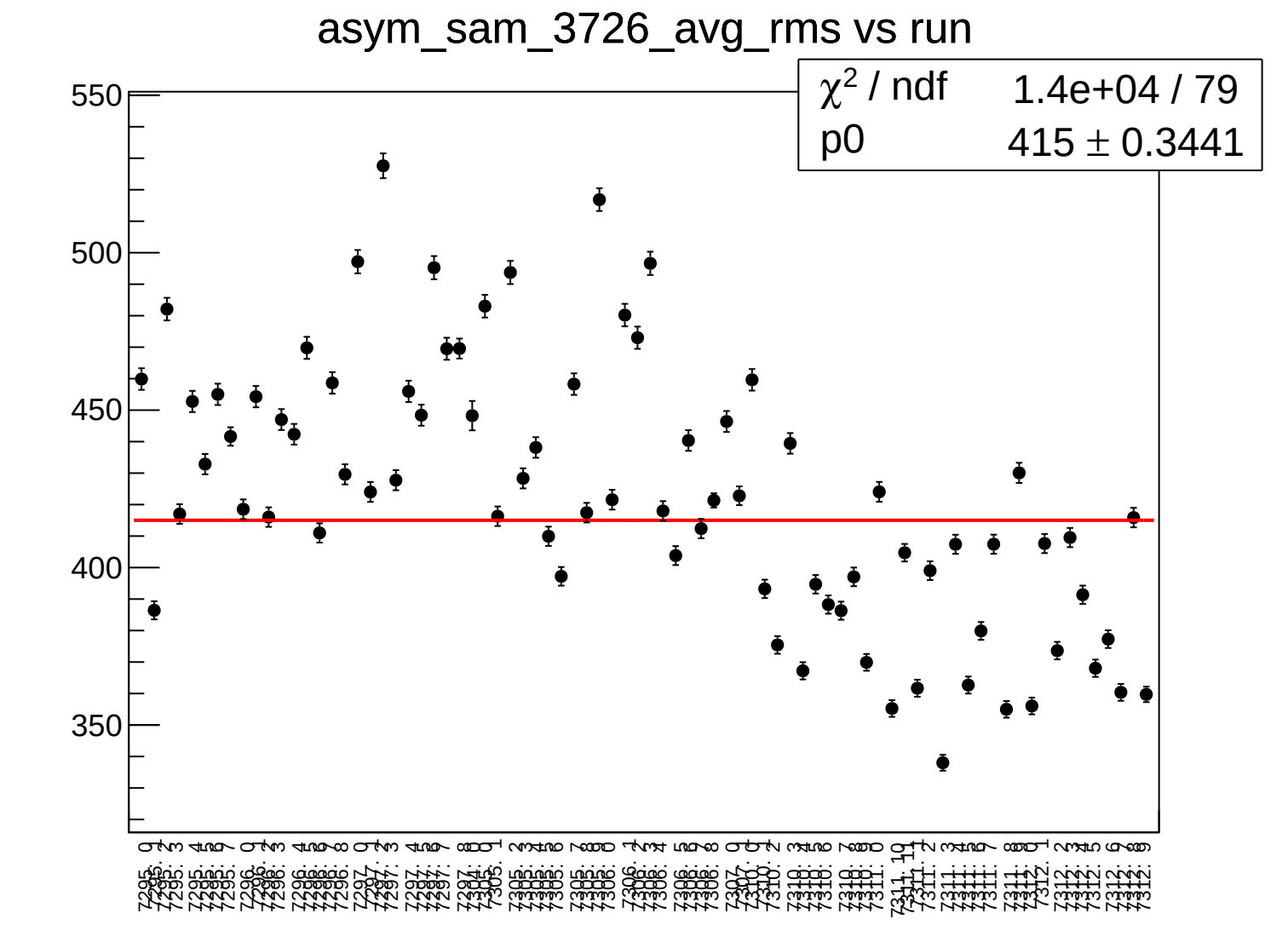

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 94.28 / 79
p0 −557.6 ± 461.2
pull
Entries 80
Mean −239.9
Std Dev 286.5

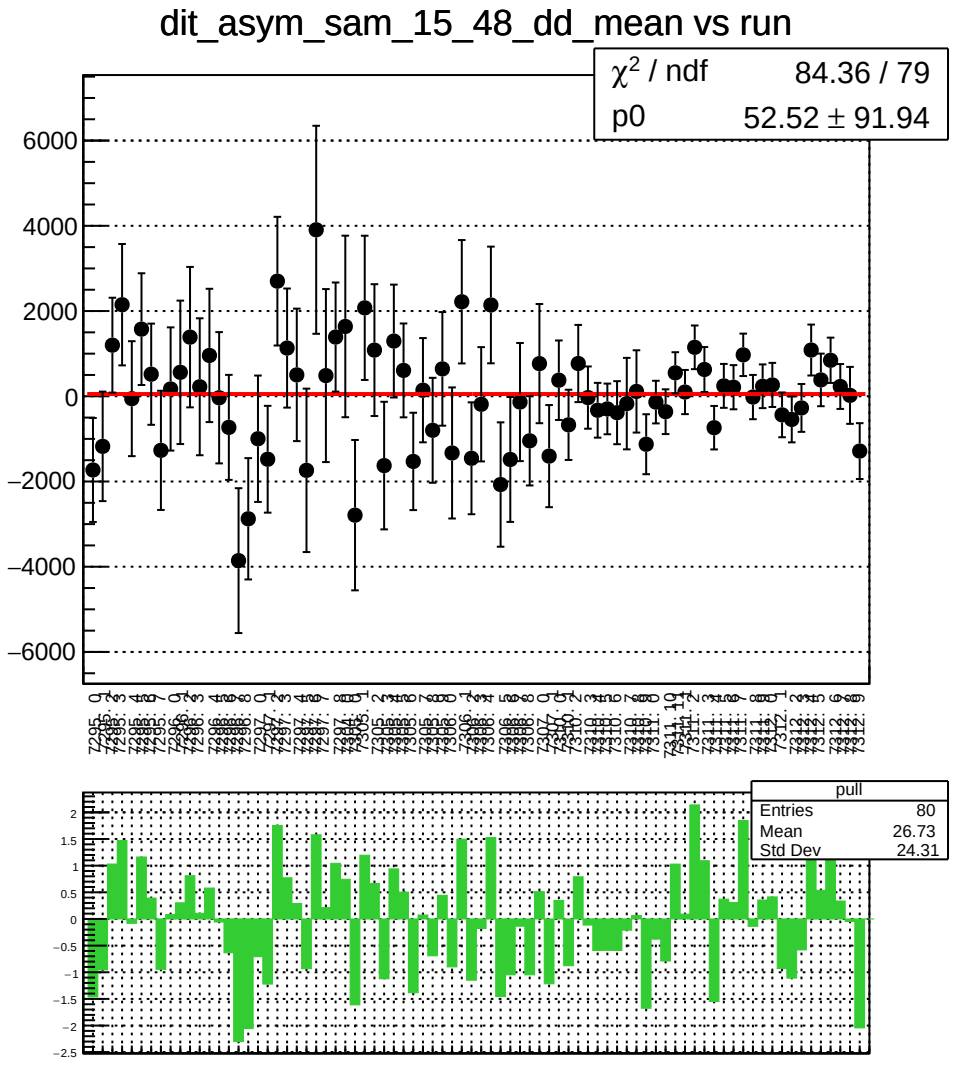

pull1D
Entries 80
Mean 0.01104
Std Dev 1.086

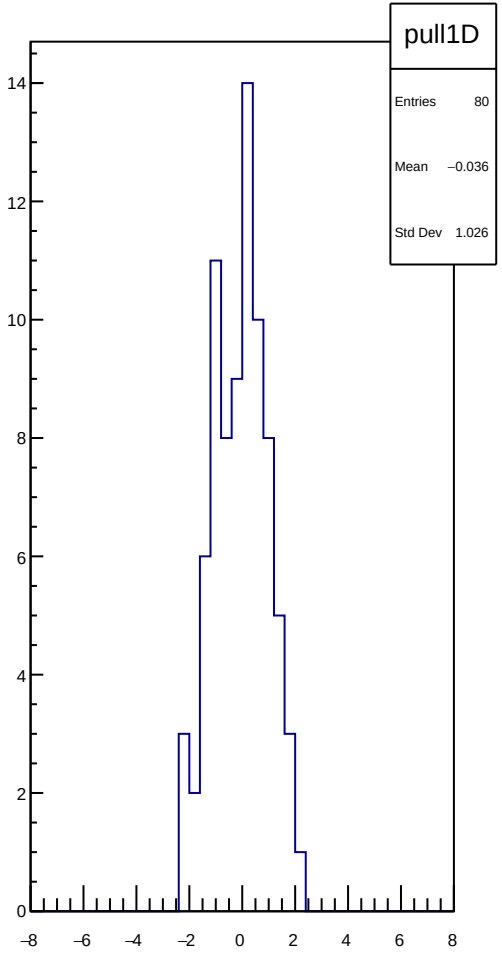

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 6128 / 79
p0 394.4 ± 0.3261
480
460
440
420
400
380
360
340

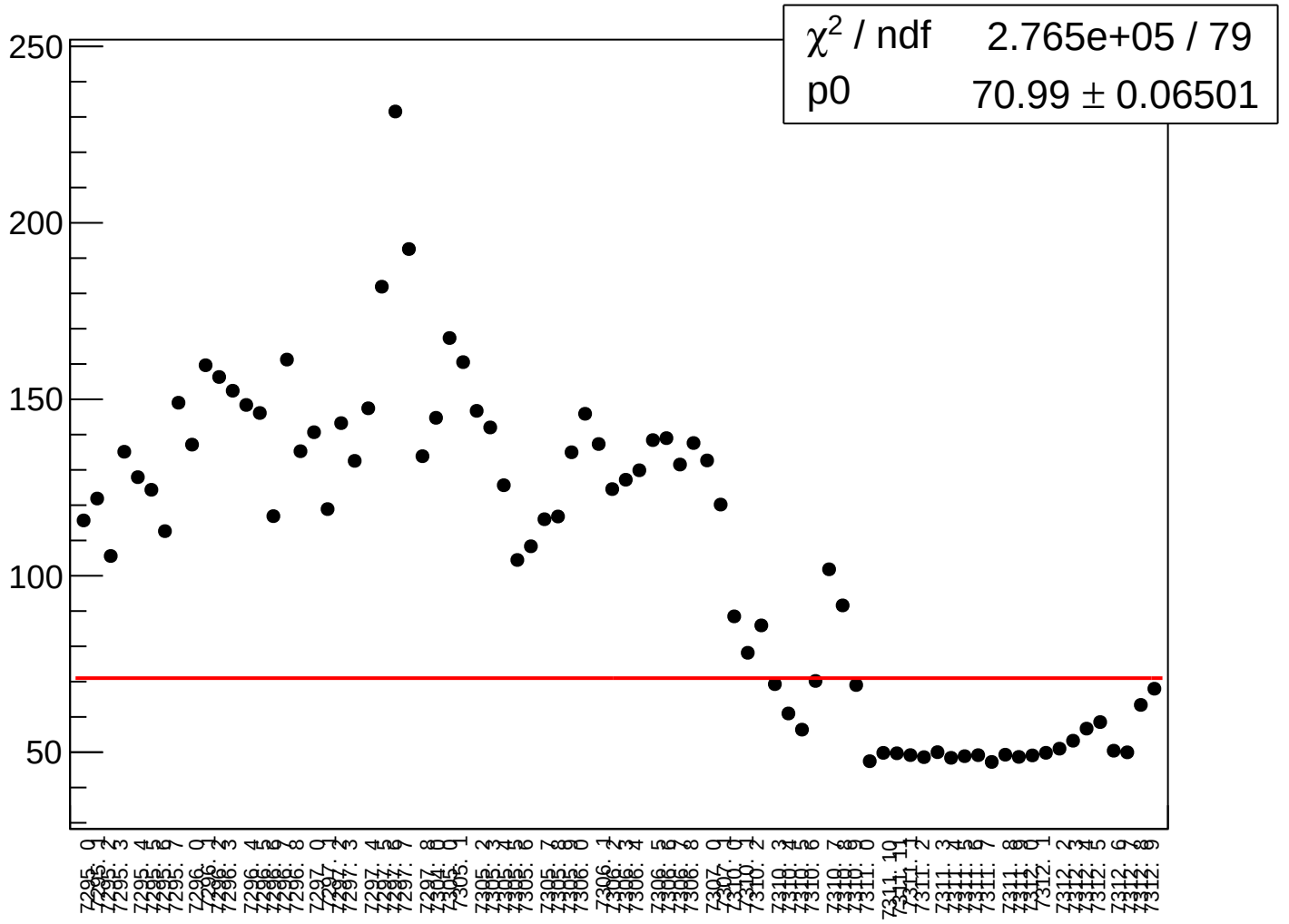

asym_sam_3726_avg_mean vs run
χ² / ndf 94.13 / 79
p0 517.4 ± 486.6
pull
Entries 80
Mean −114.5
Std Dev 159.9

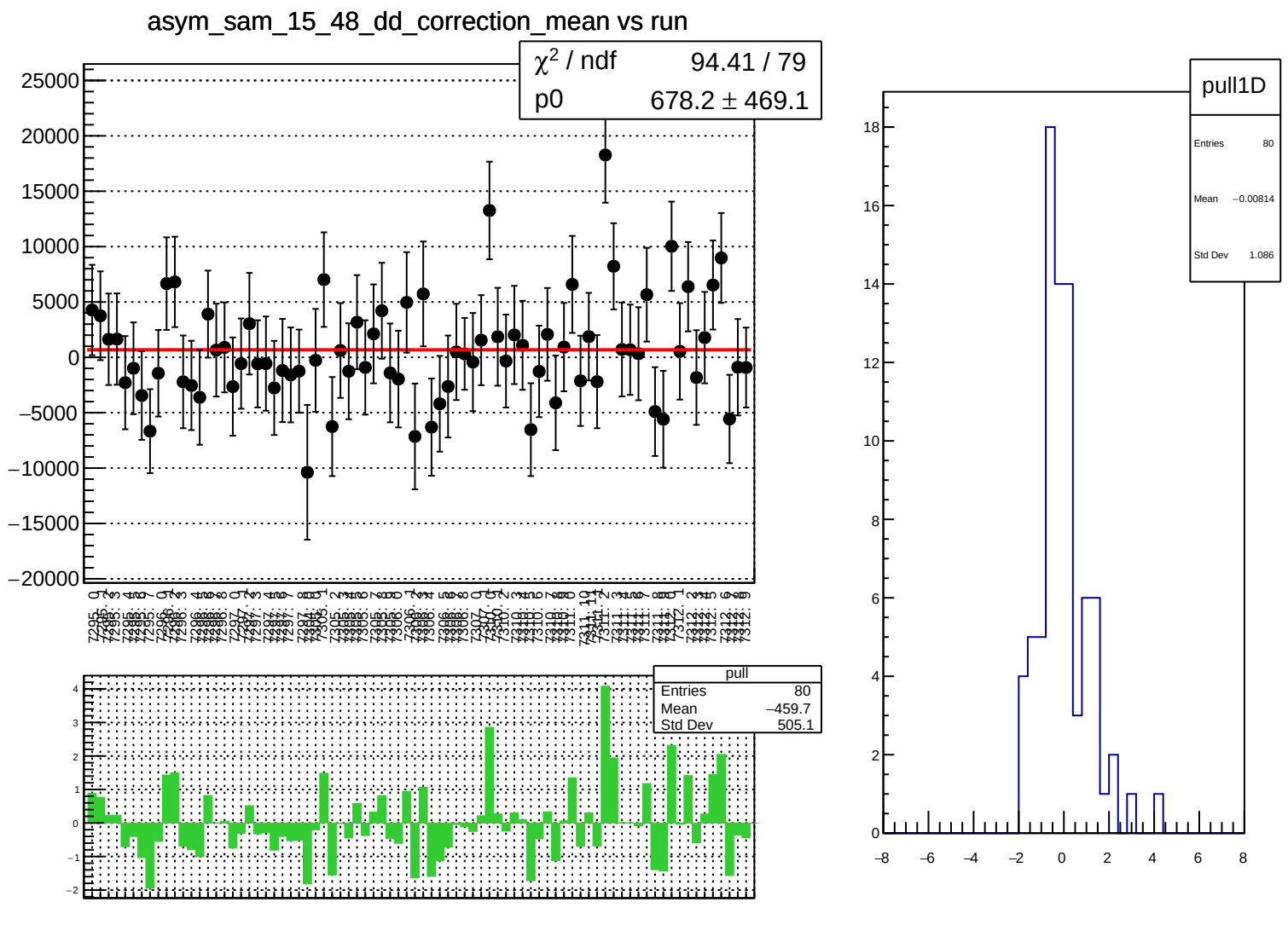

pull1D
Entries 80
Mean −0.01993
Std Dev 1.085

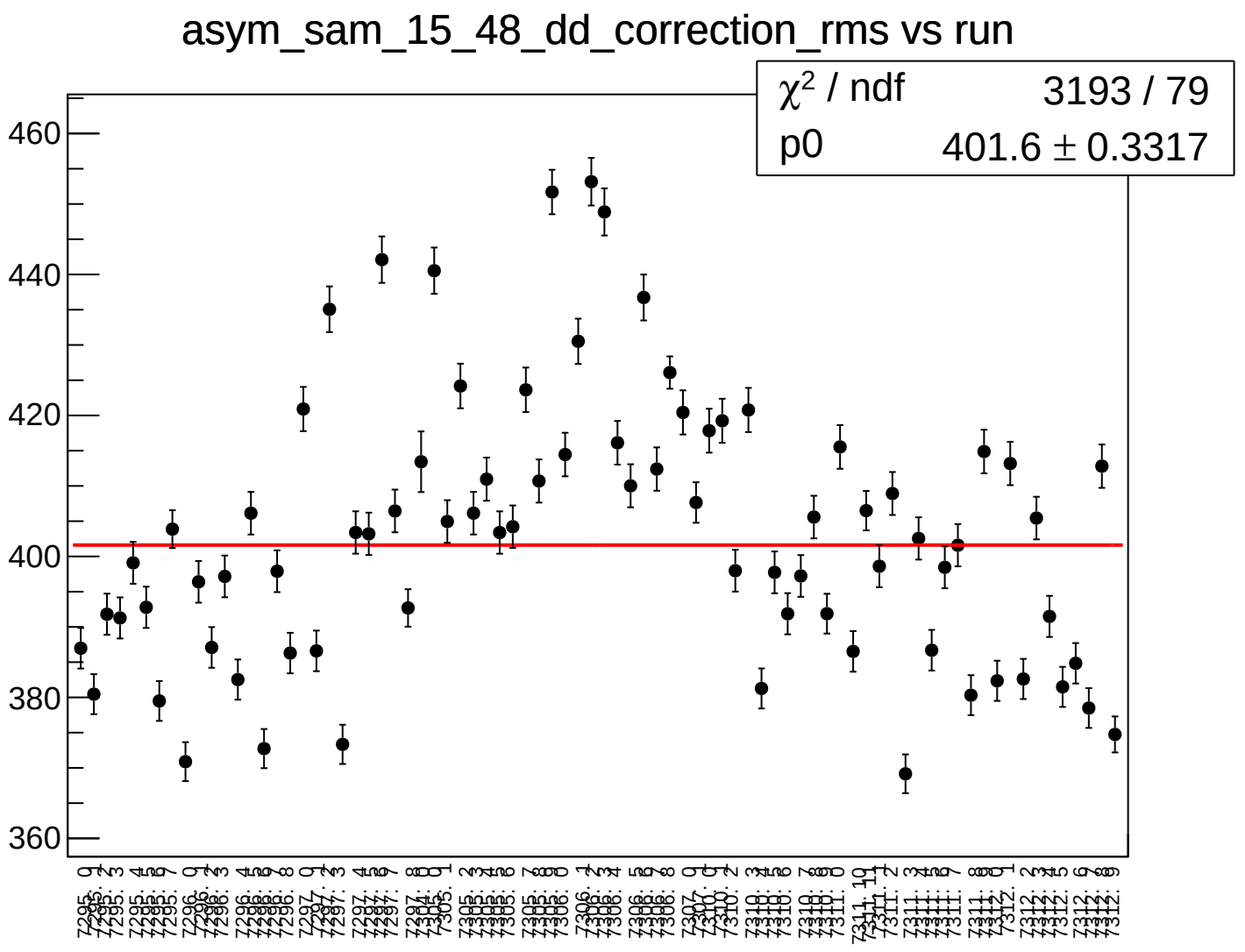

asym_sam_3726_avg_rms vs run
χ² / ndf 1.4e+04 / 79
p0 415 ± 0.3441
550
500
450
400
350

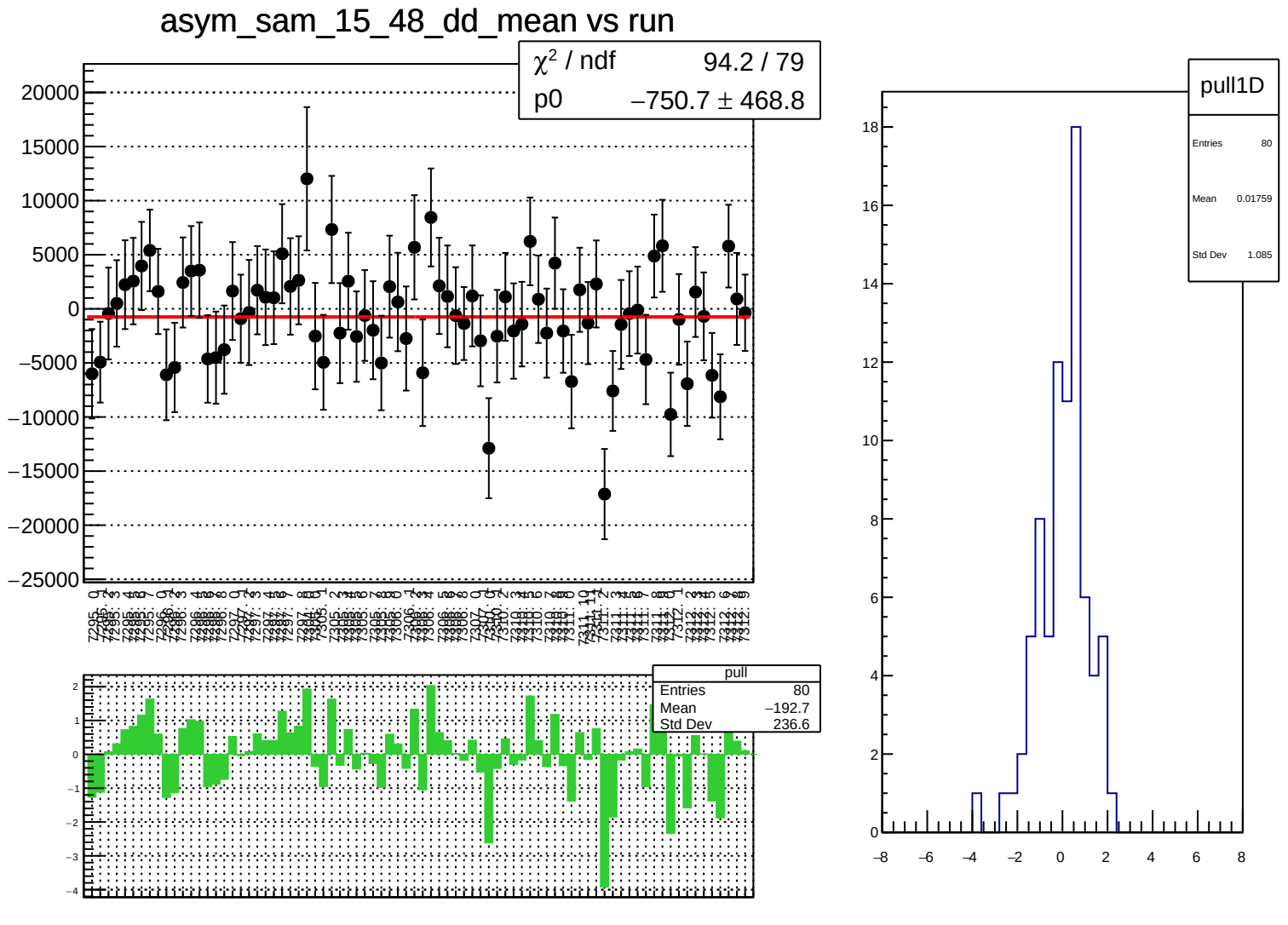

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 84.36 / 79
p0 52.52 ± 91.94
pull
Entries 80
Mean 26.73
Std Dev 24.31

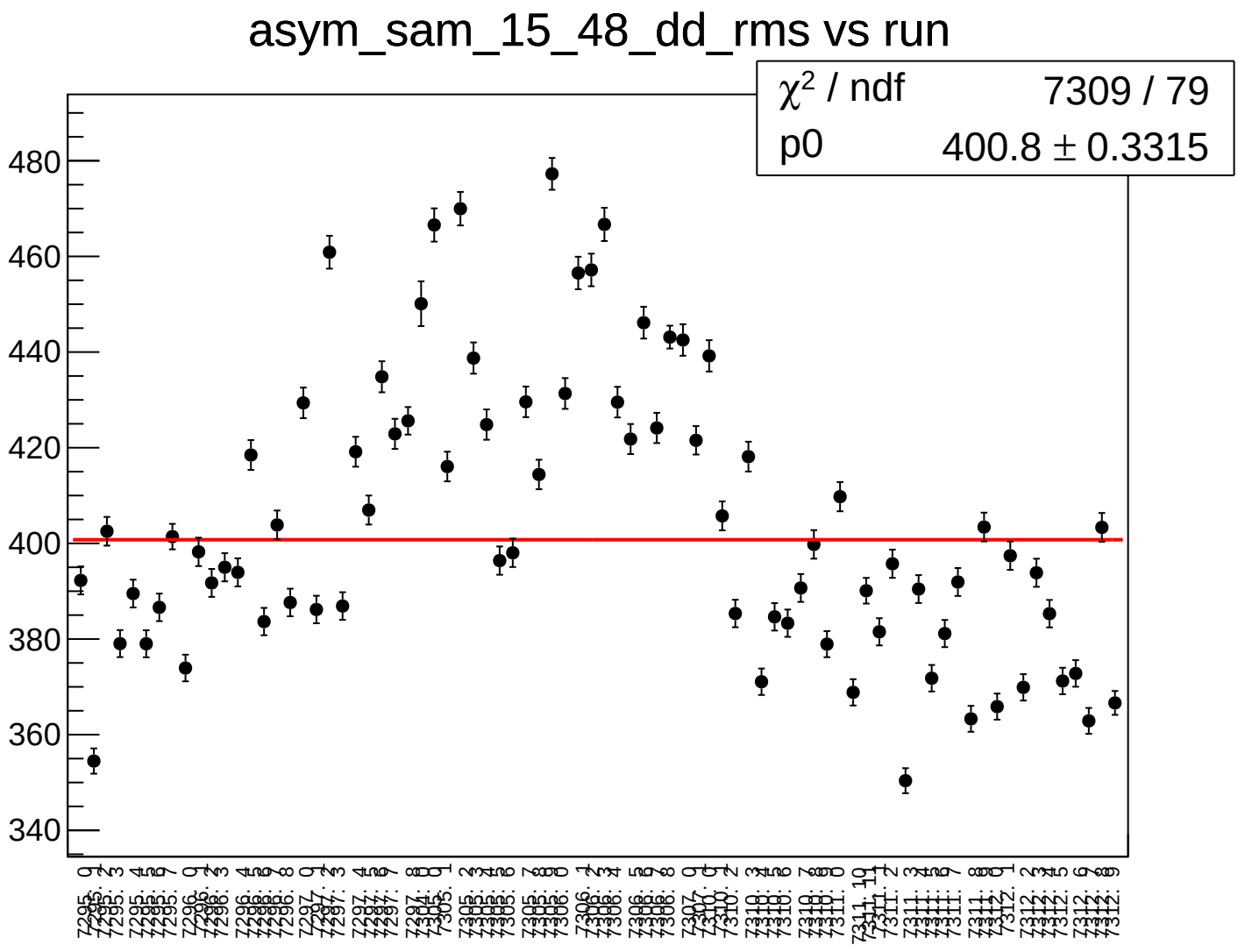

pull1D
Entries 80
Mean −0.036
Std Dev 1.026

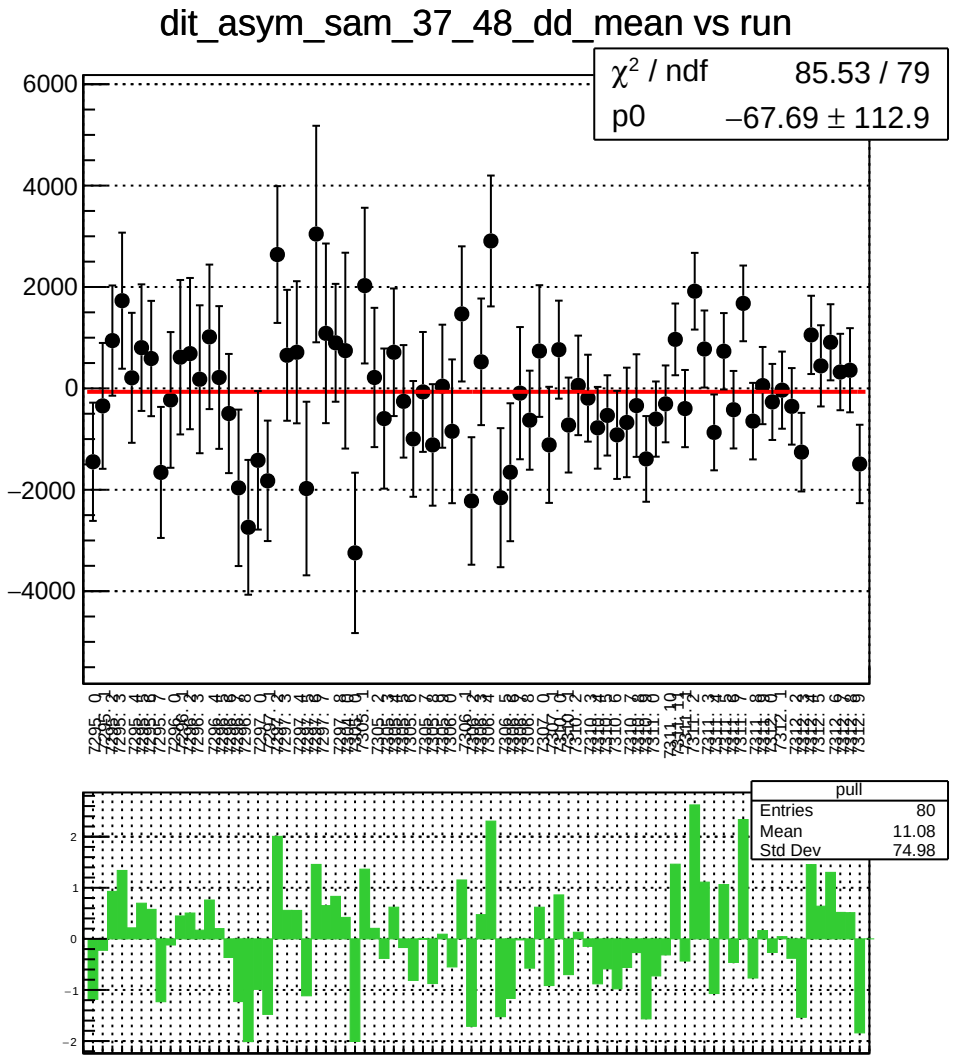

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.765e+05 / 79
p0 70.99 ± 0.06501
250
200
150
100
50

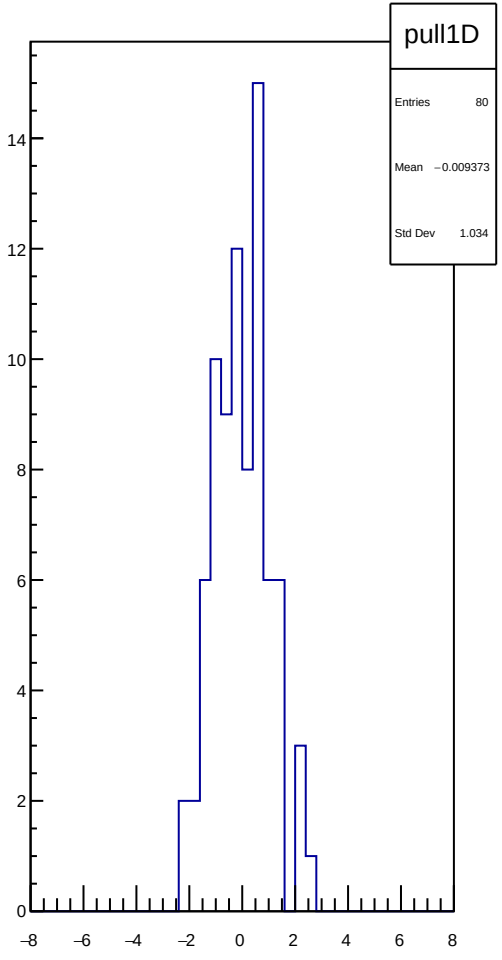

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 94.41 / 79
p0 678.2 ± 469.1
pull
Entries 80
Mean −459.7
Std Dev 505.1
pull1D
Entries 80
Mean −0.00814
Std Dev 1.086

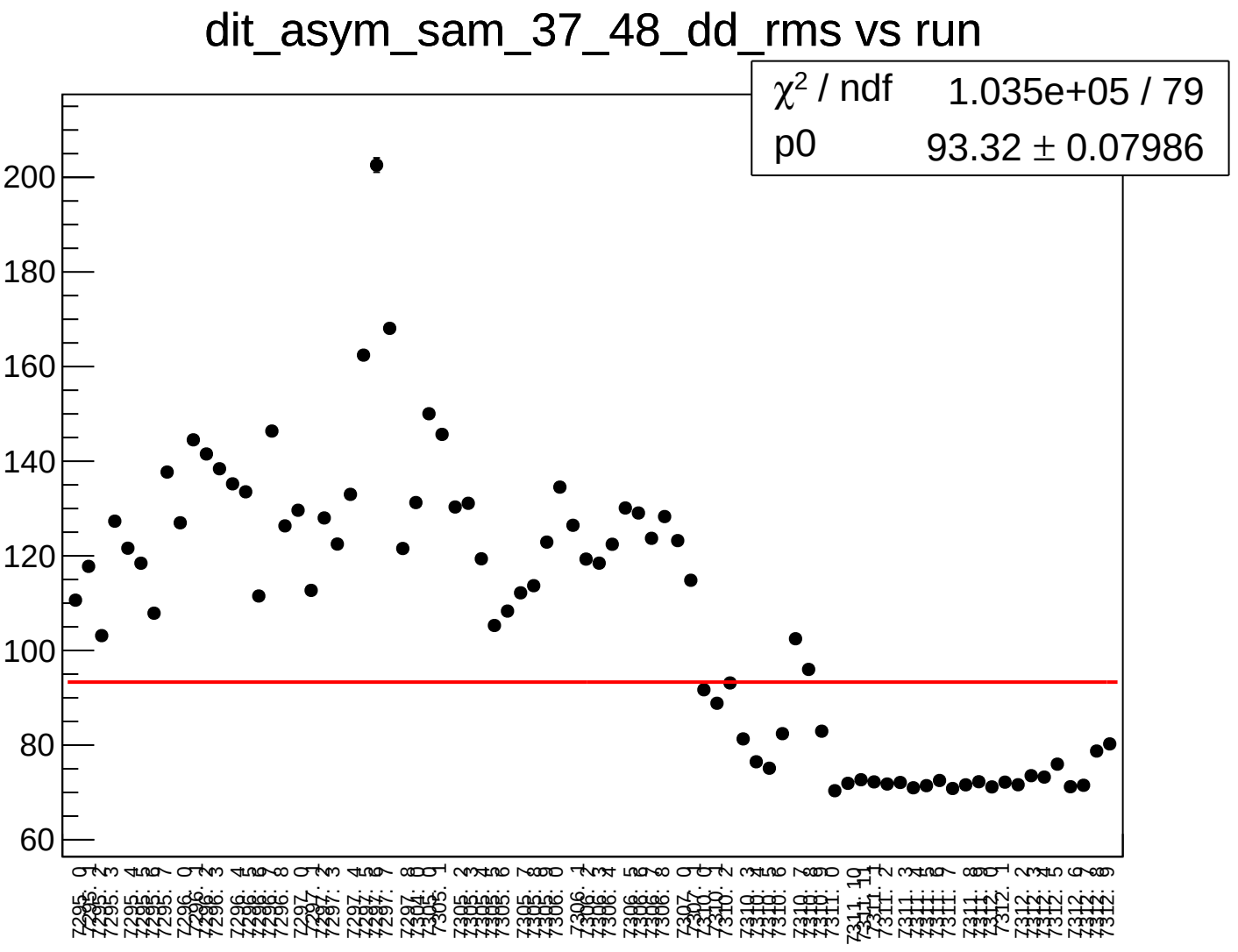

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3193 / 79
p0 401.6 ± 0.3317
460
440
420
400
380
360

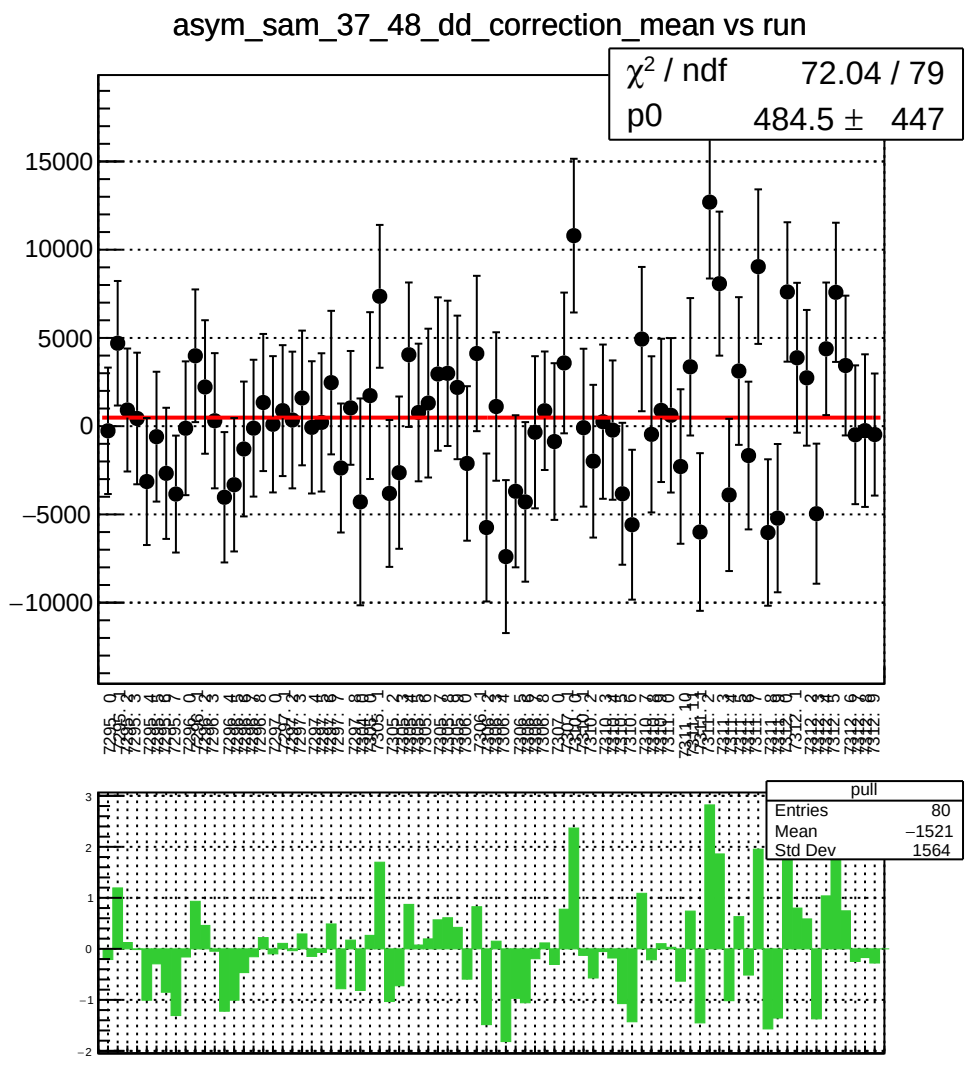

asym_sam_15_48_dd_mean vs run
χ² / ndf 94.2 / 79
p0 −750.7 ± 468.8
pull
Entries 80
Mean −192.7
Std Dev 236.6
pull1D
Entries 80
Mean 0.01759
Std Dev 1.085

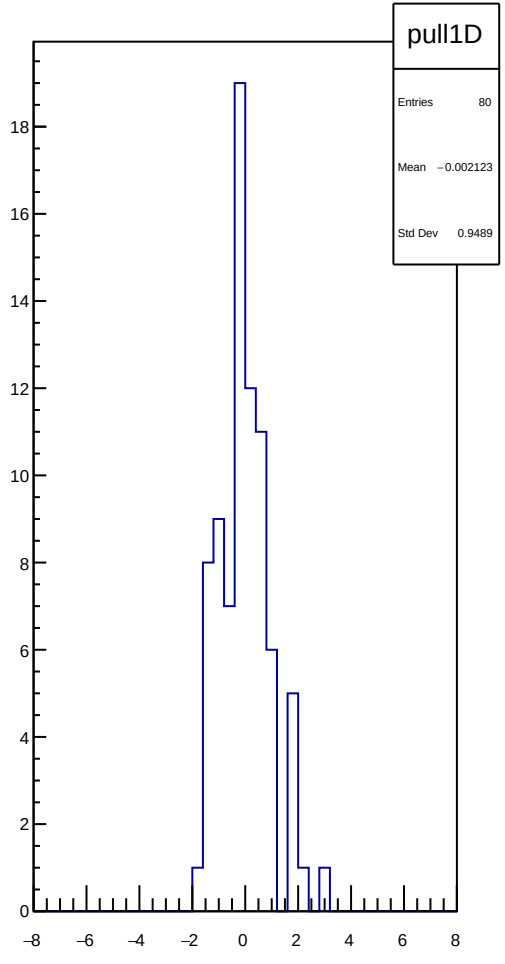

asym_sam_15_48_dd_rms vs run
χ² / ndf 7309 / 79
p0 400.8 ± 0.3315
480
460
440
420
400
380
360
340

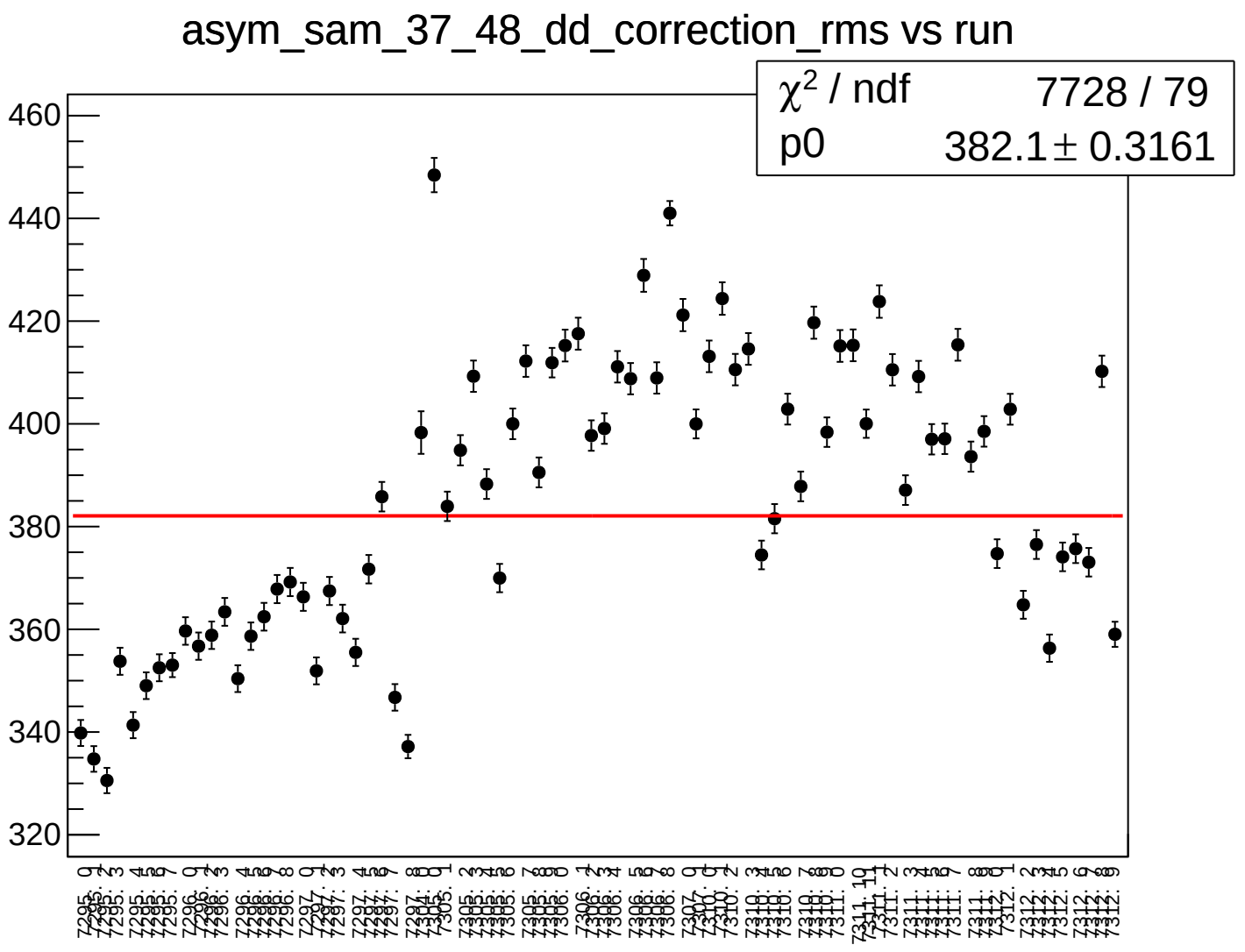

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 85.53 / 79
p0 −67.69 ± 112.9
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 11.08
Std Dev 74.98
2
1
0
−1
−2

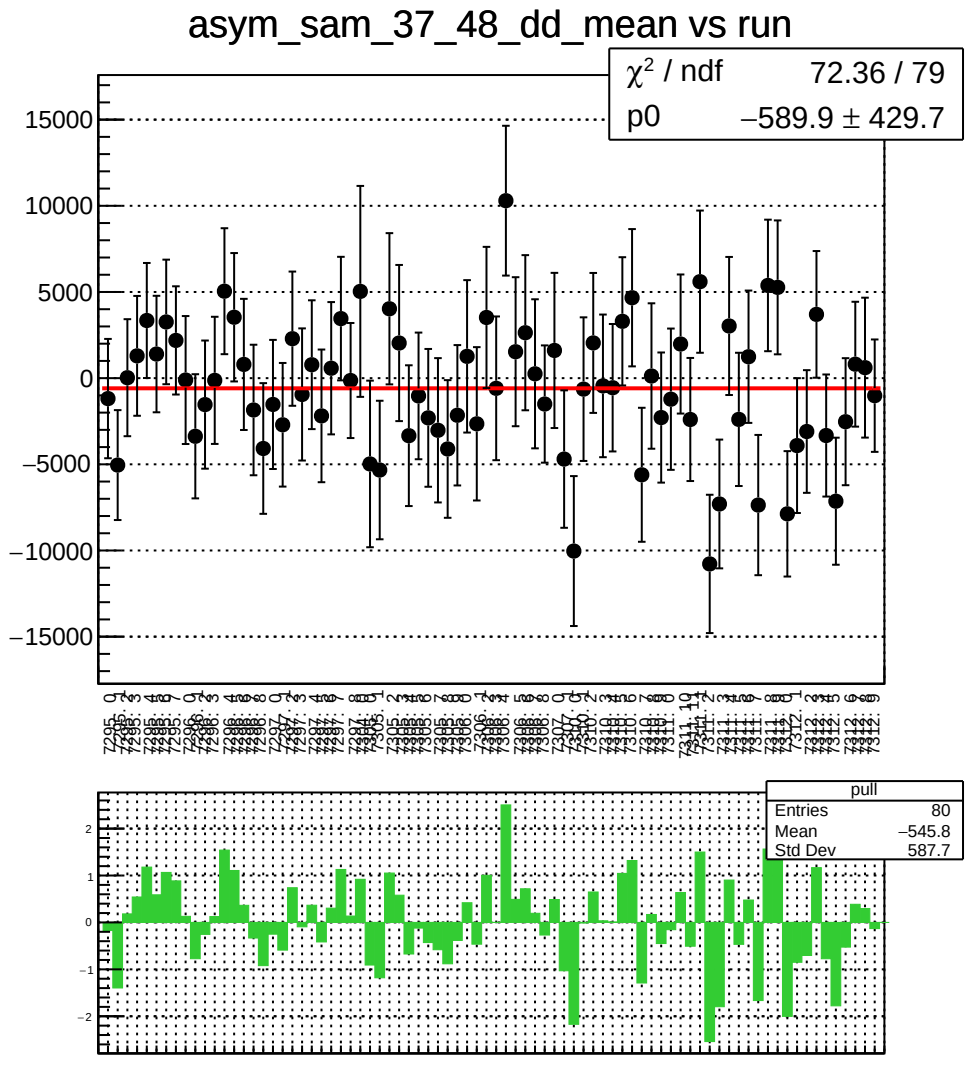

pull1D
Entries 80
Mean −0.009373
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

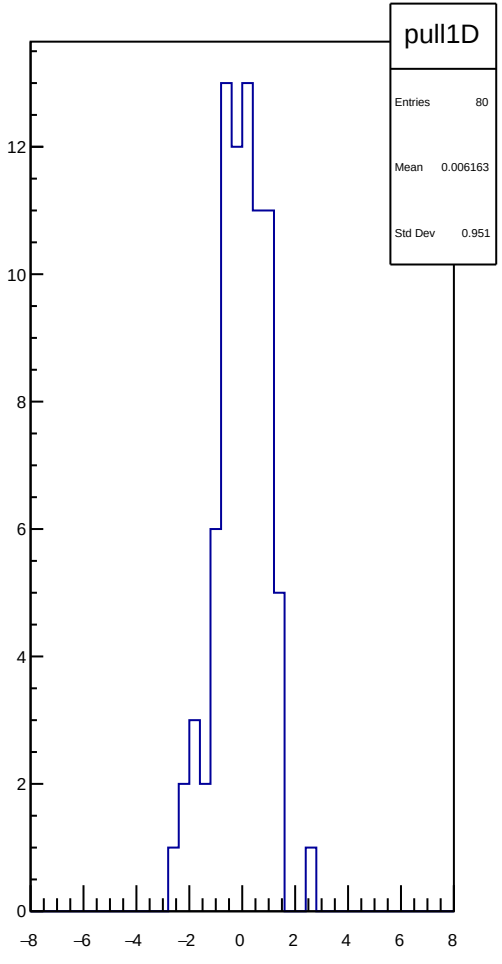

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.035e+05 / 79
p0 93.32 ± 0.07986
200
180
160
140
120
100
80
60

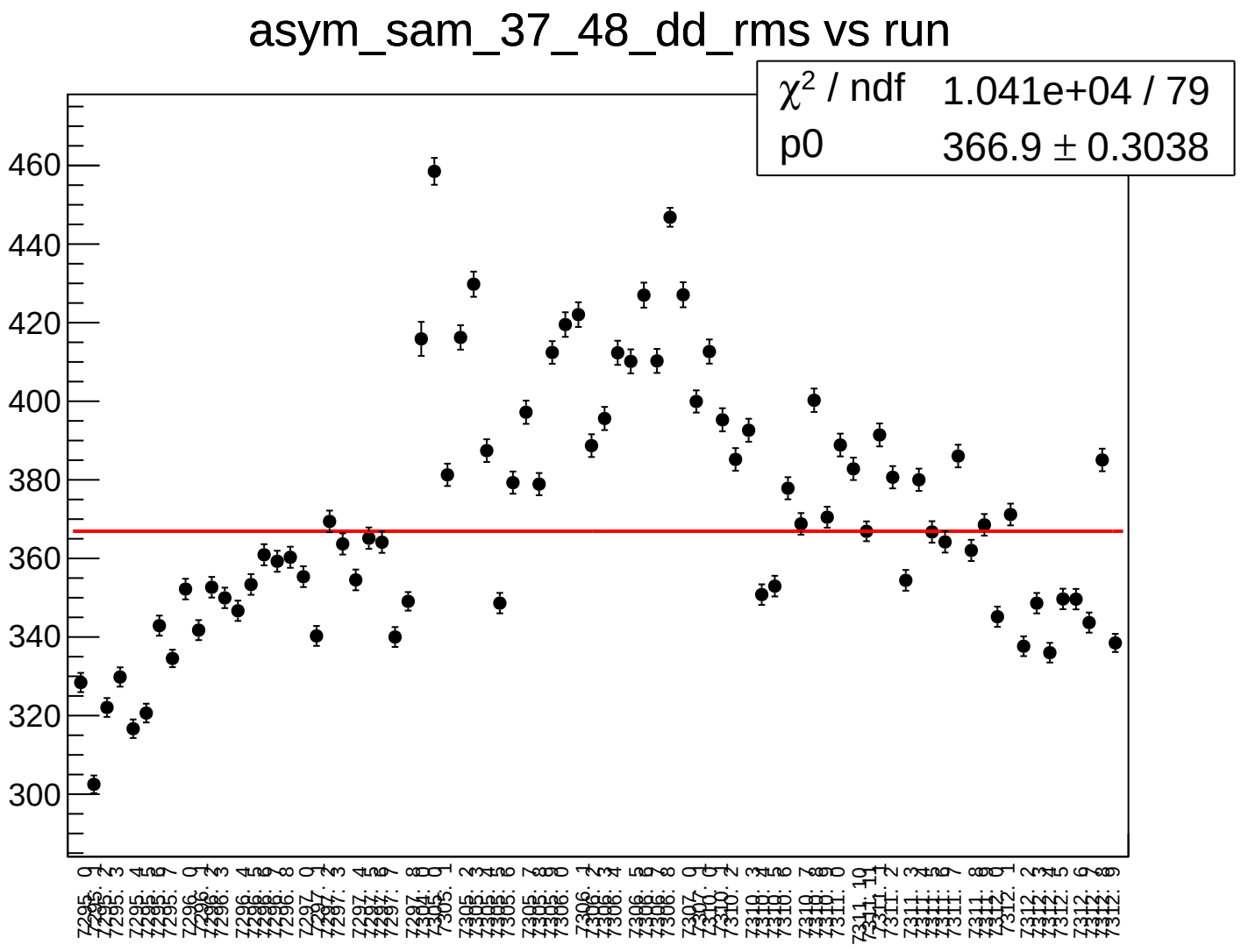

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.04 / 79
p0 484.5 ± 447
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −1521
Std Dev 1564
3
2
1
0
−1
−2

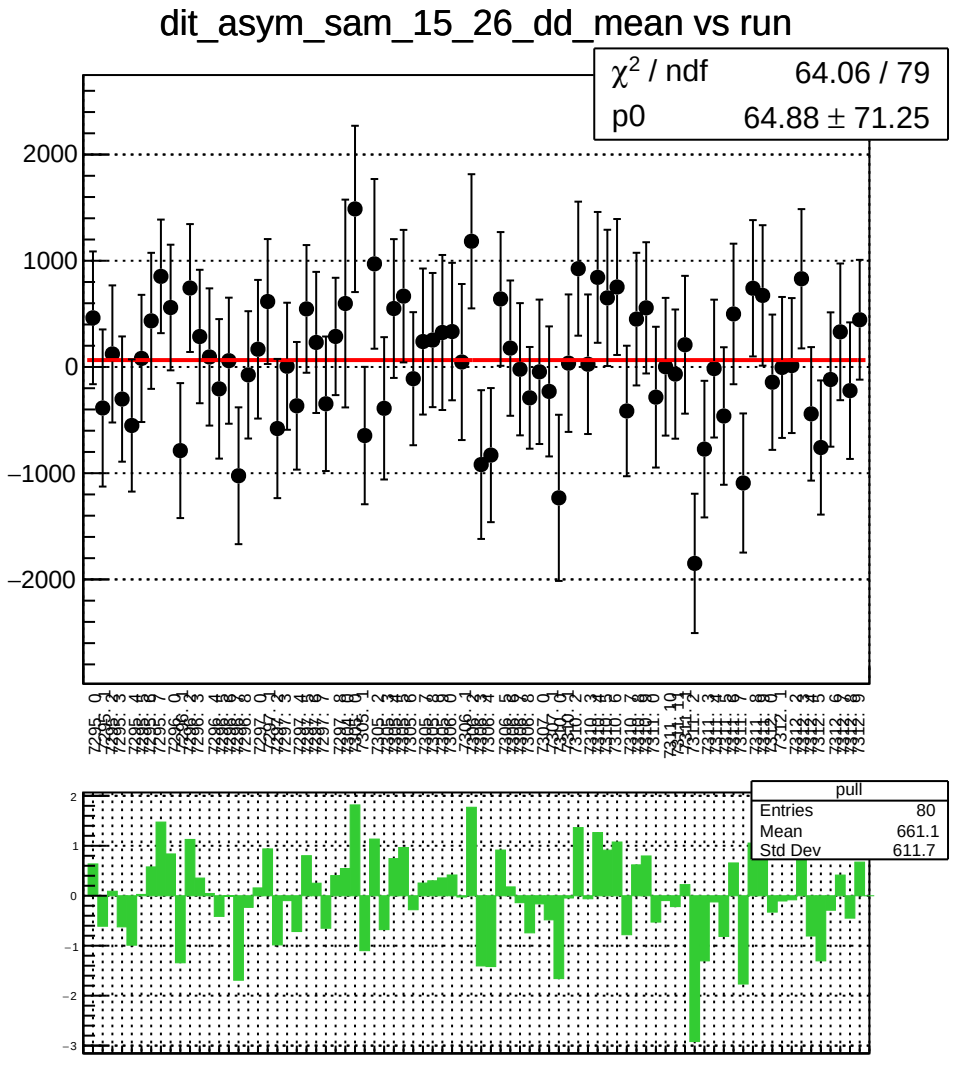

pull1D
Entries 80
Mean −0.002123
Std Dev 0.9489
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

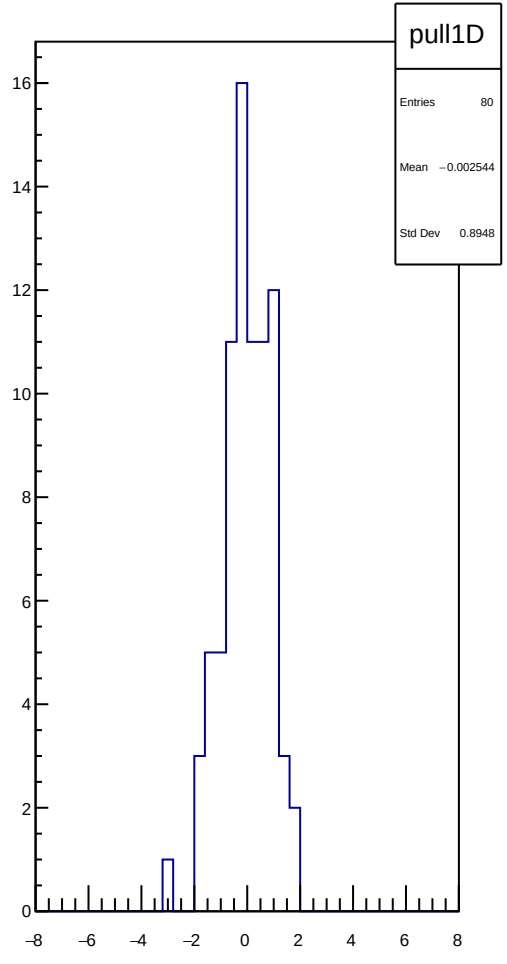

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 7728 / 79
p0 382.1 ± 0.3161
460
440
420
400
380
360
340
320

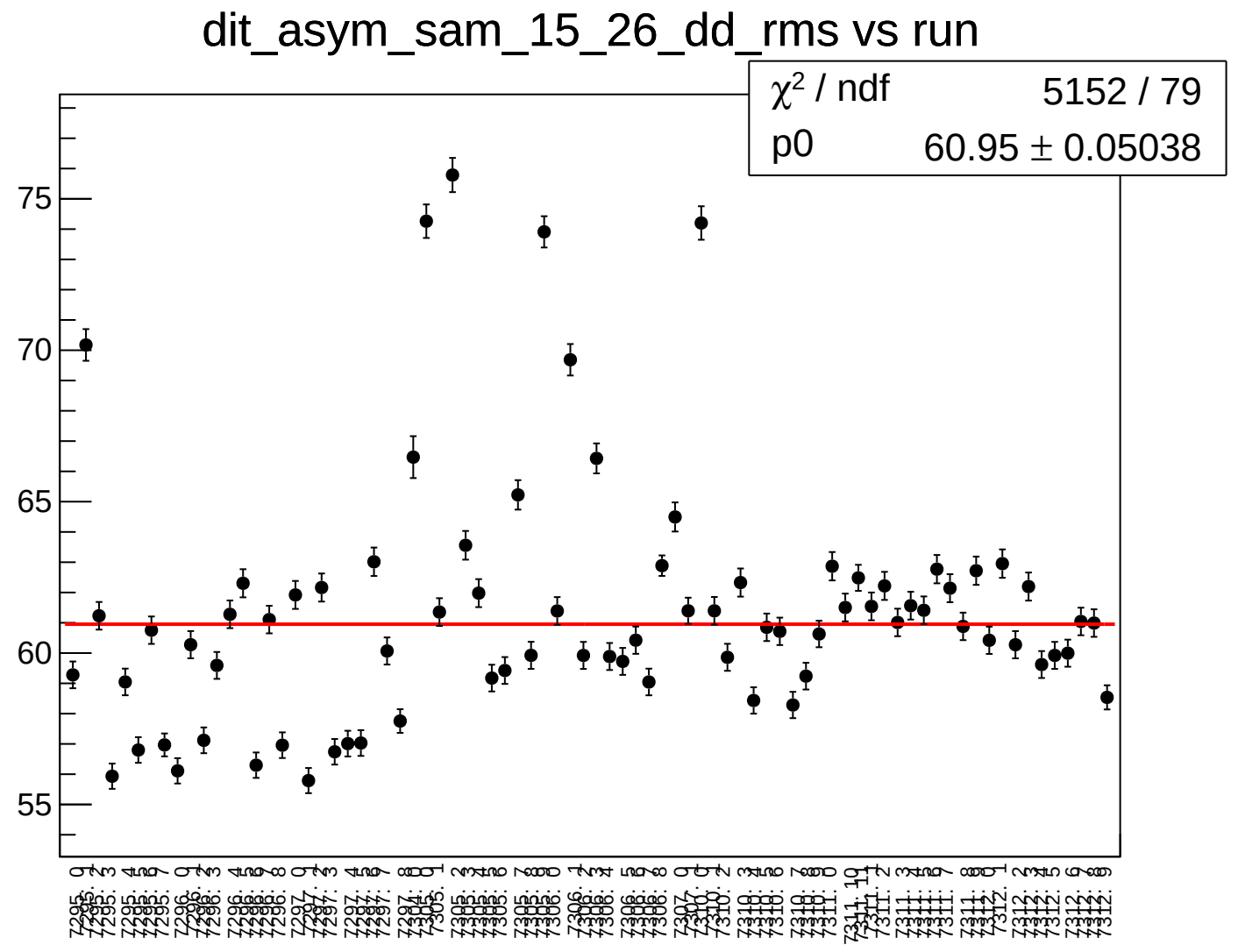

asym_sam_37_48_dd_mean vs run
χ² / ndf 72.36 / 79
p0 −589.9 ± 429.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −545.8
Std Dev 587.7
2
1
0
−1
−2

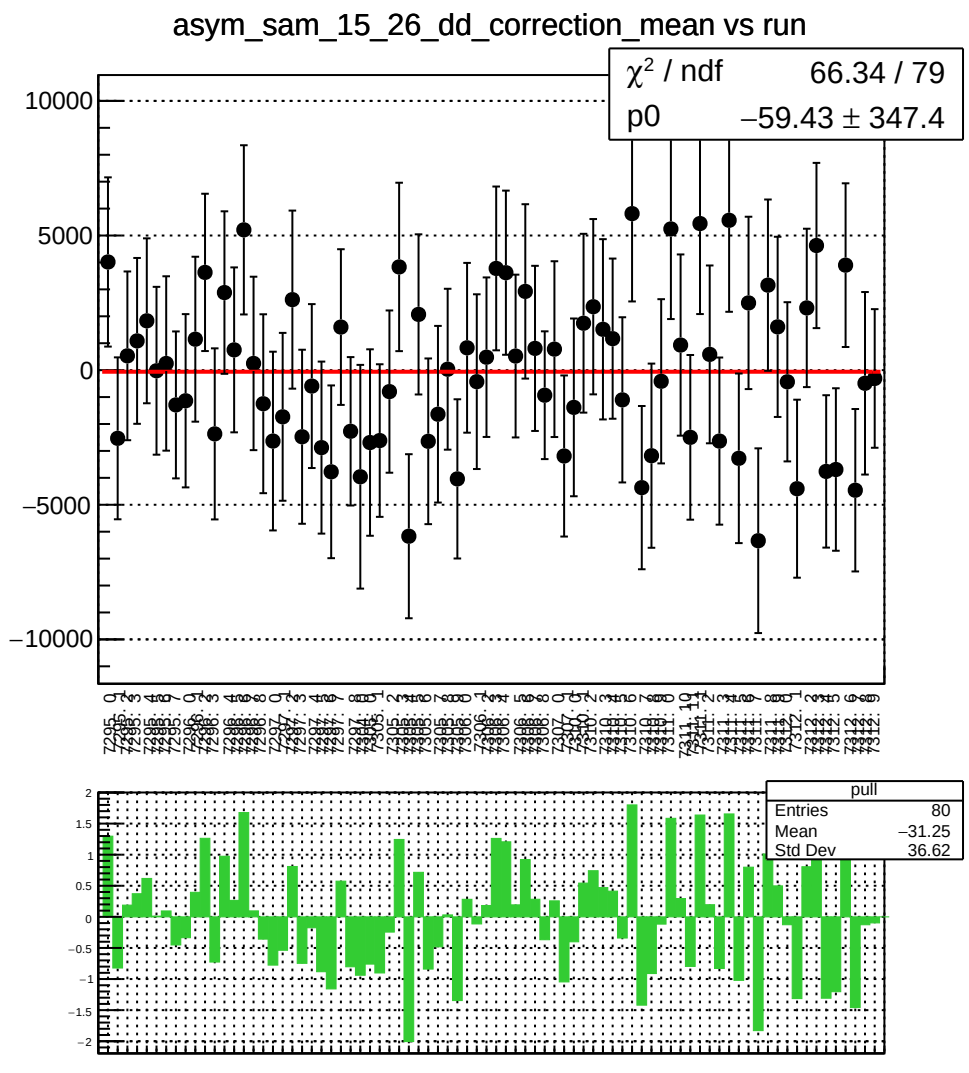

pull1D
Entries 80
Mean 0.006163
Std Dev 0.951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

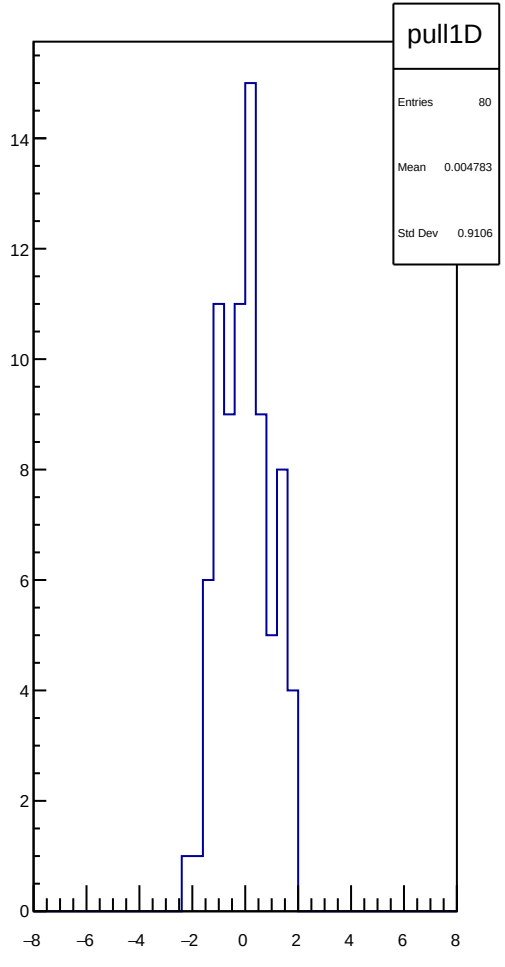

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.041e+04 / 79
p0 366.9 ± 0.3038
460
440
420
400
380
360
340
320
300

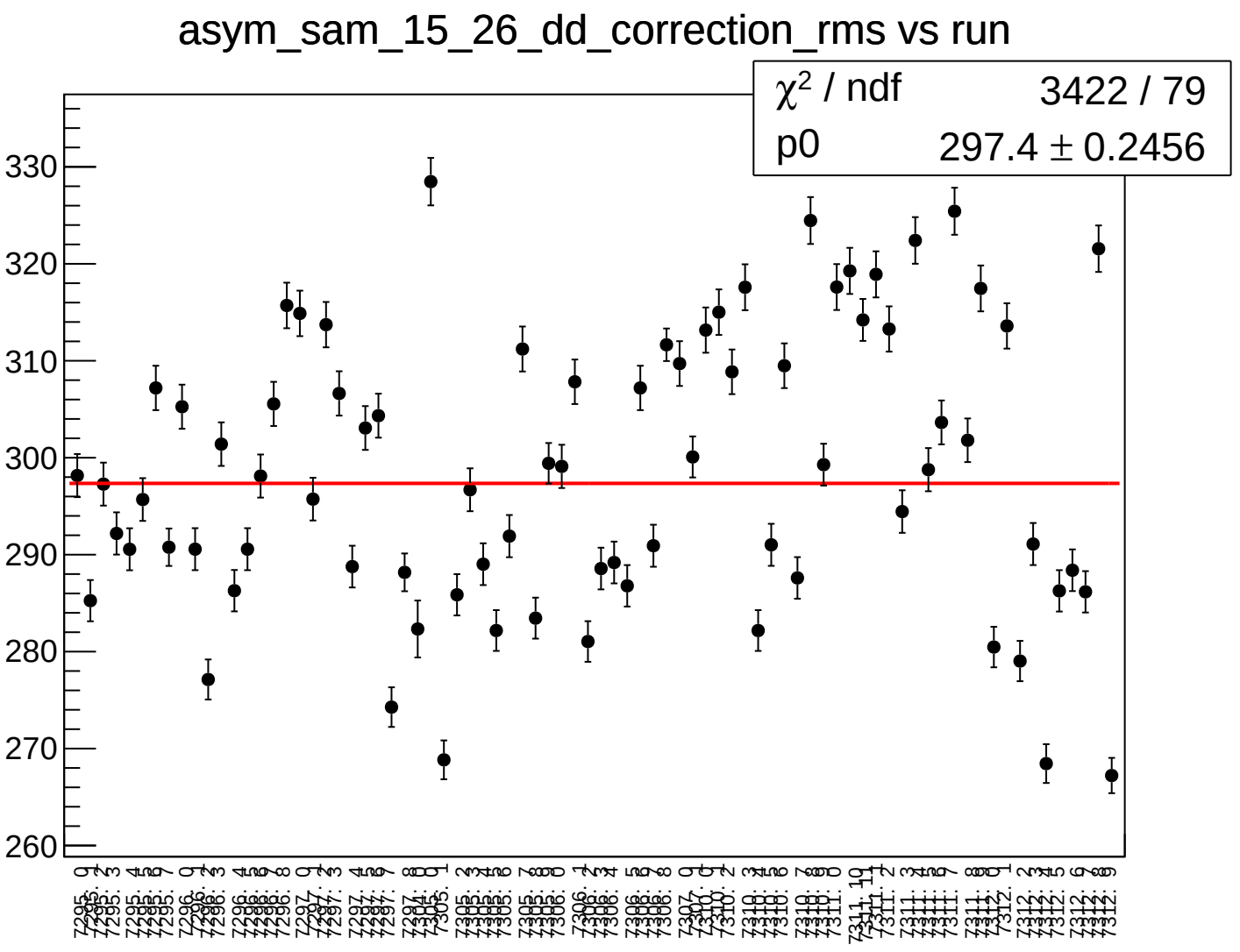

dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 64.06 / 79
p0 64.88 ± 71.25
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 661.1
Std Dev 611.7
2
1
0
−1
−2
−3

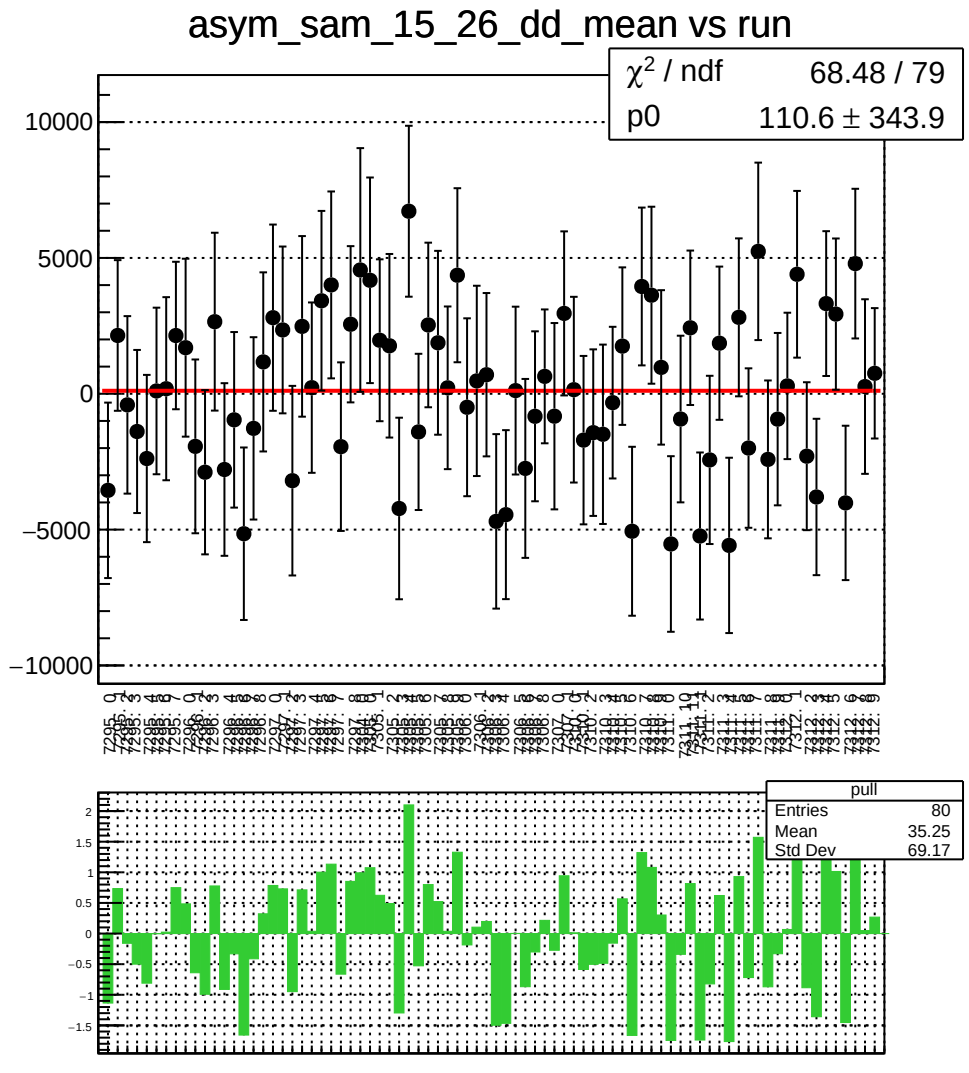

pull1D
Entries 80
Mean −0.002544
Std Dev 0.8948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

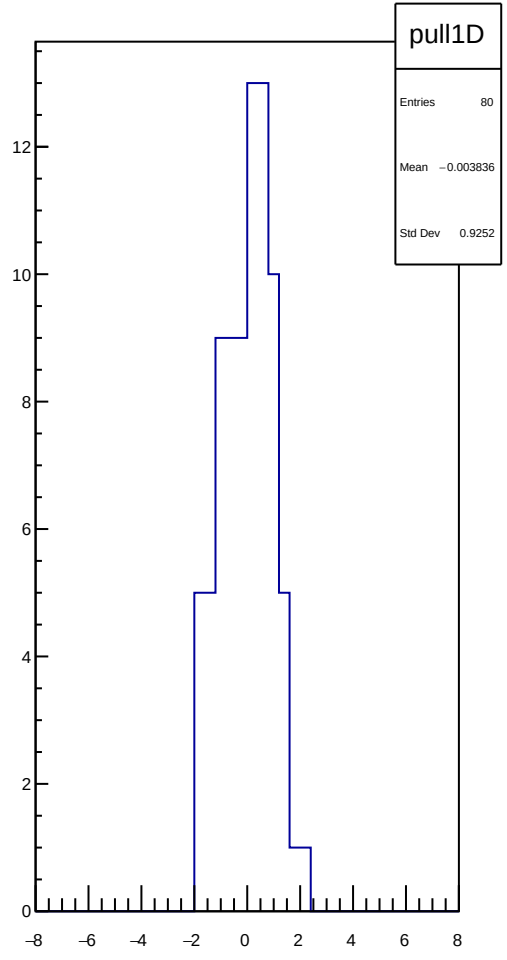

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5152 / 79
p0 60.95 ± 0.05038
75
70
65
60
55

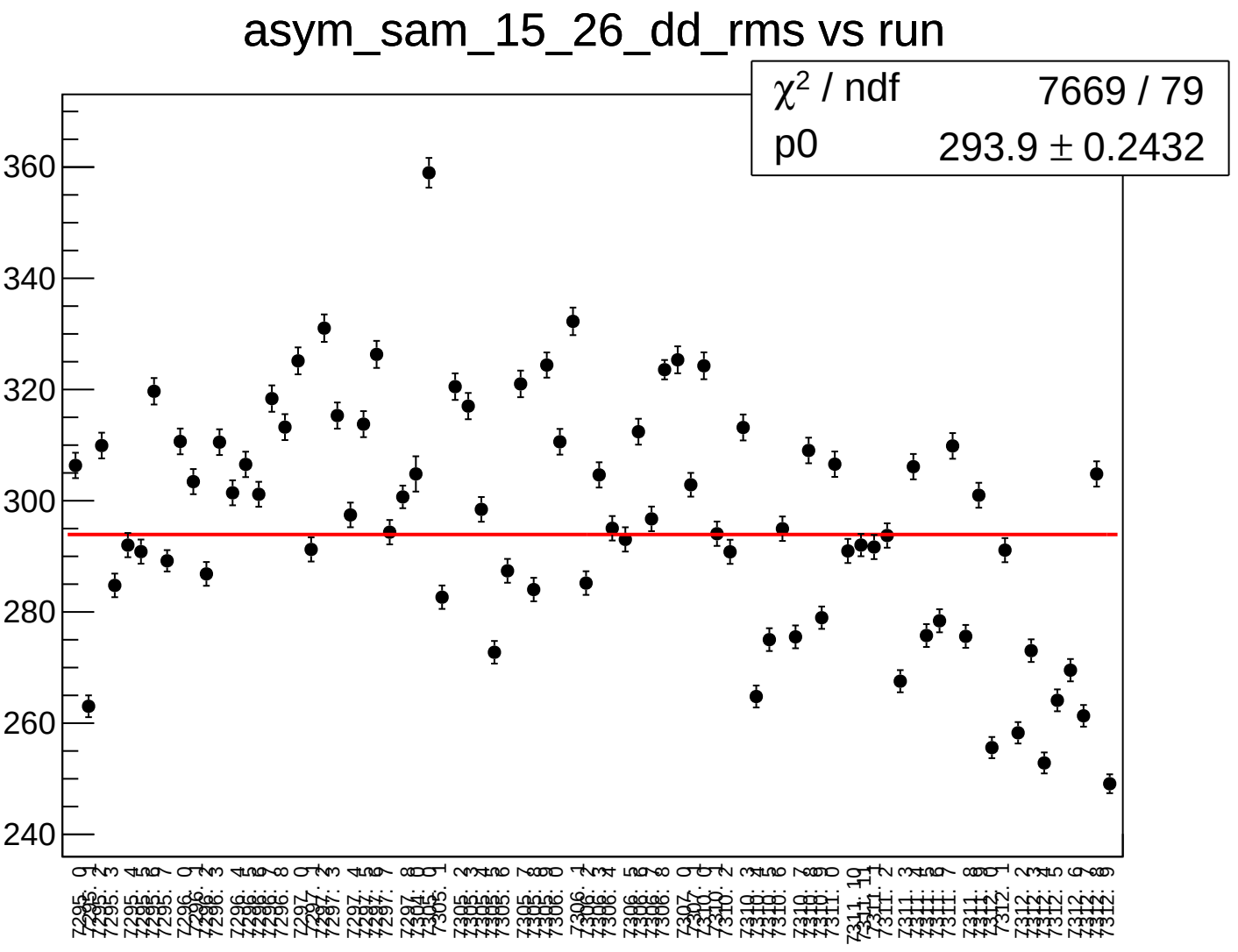

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 66.34 / 79
p0 −59.43 ± 347.4
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −31.25
Std Dev 36.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

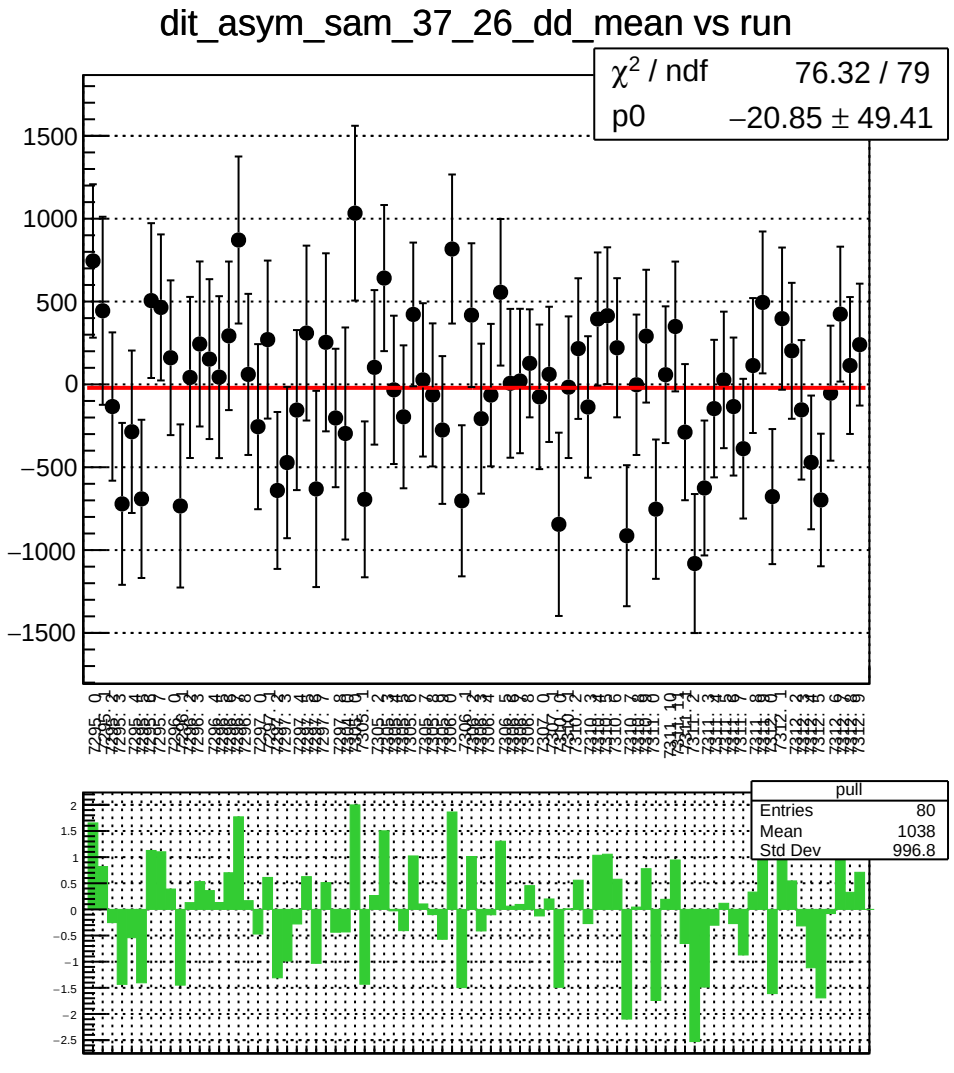

pull1D
Entries 80
Mean 0.004783
Std Dev 0.9106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

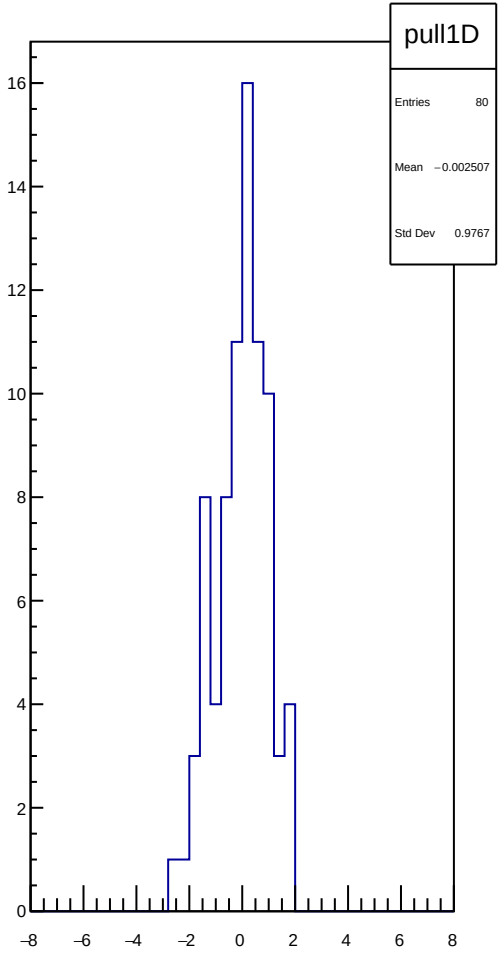

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3422 / 79
p0 297.4 ± 0.2456
330
320
310
300
290
280
270
260

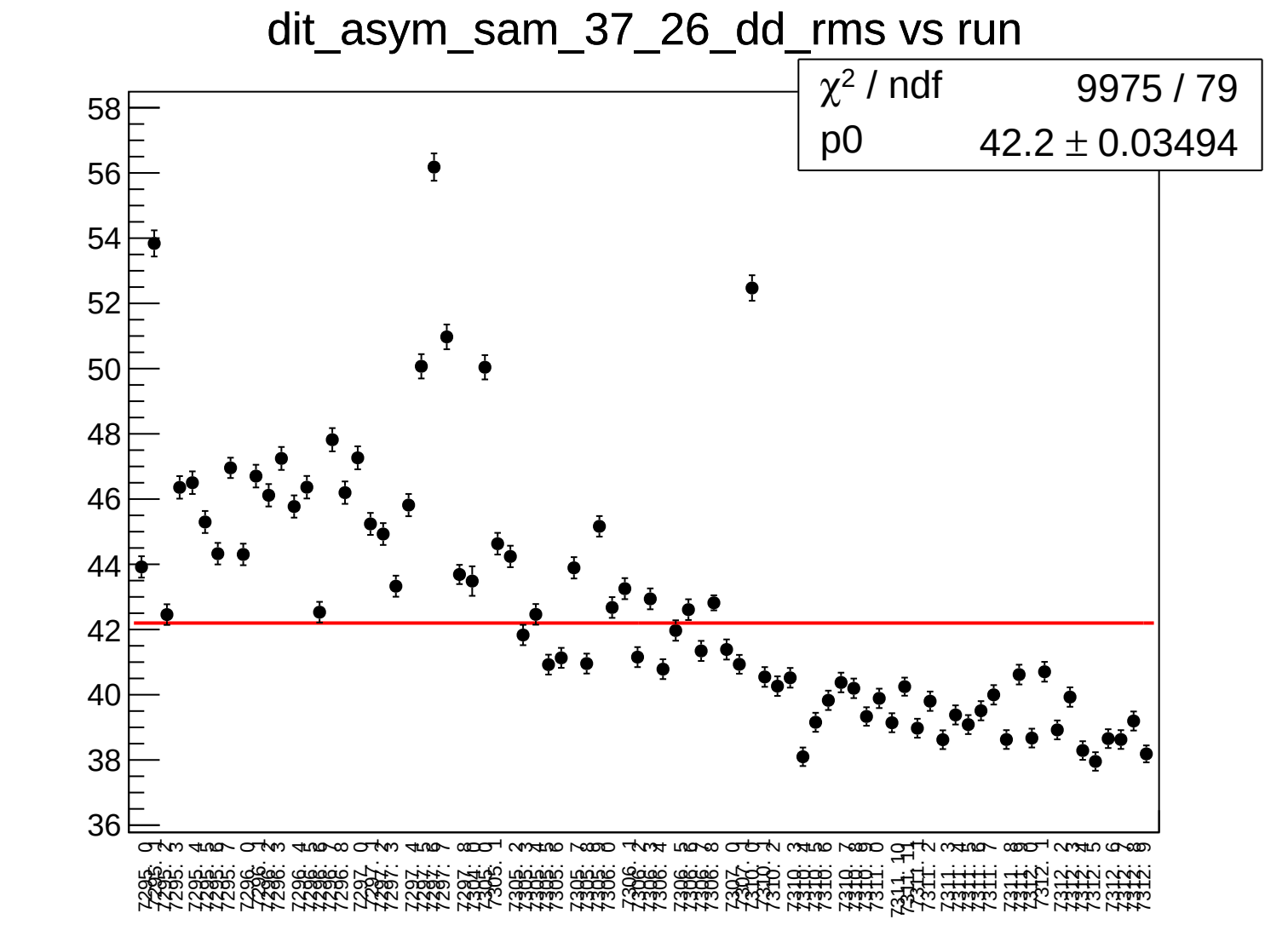

asym_sam_15_26_dd_mean vs run
χ² / ndf 68.48 / 79
p0 110.6 ± 343.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 35.25
Std Dev 69.17
2
1.5
1
0.5
0
−0.5
−1
−1.5

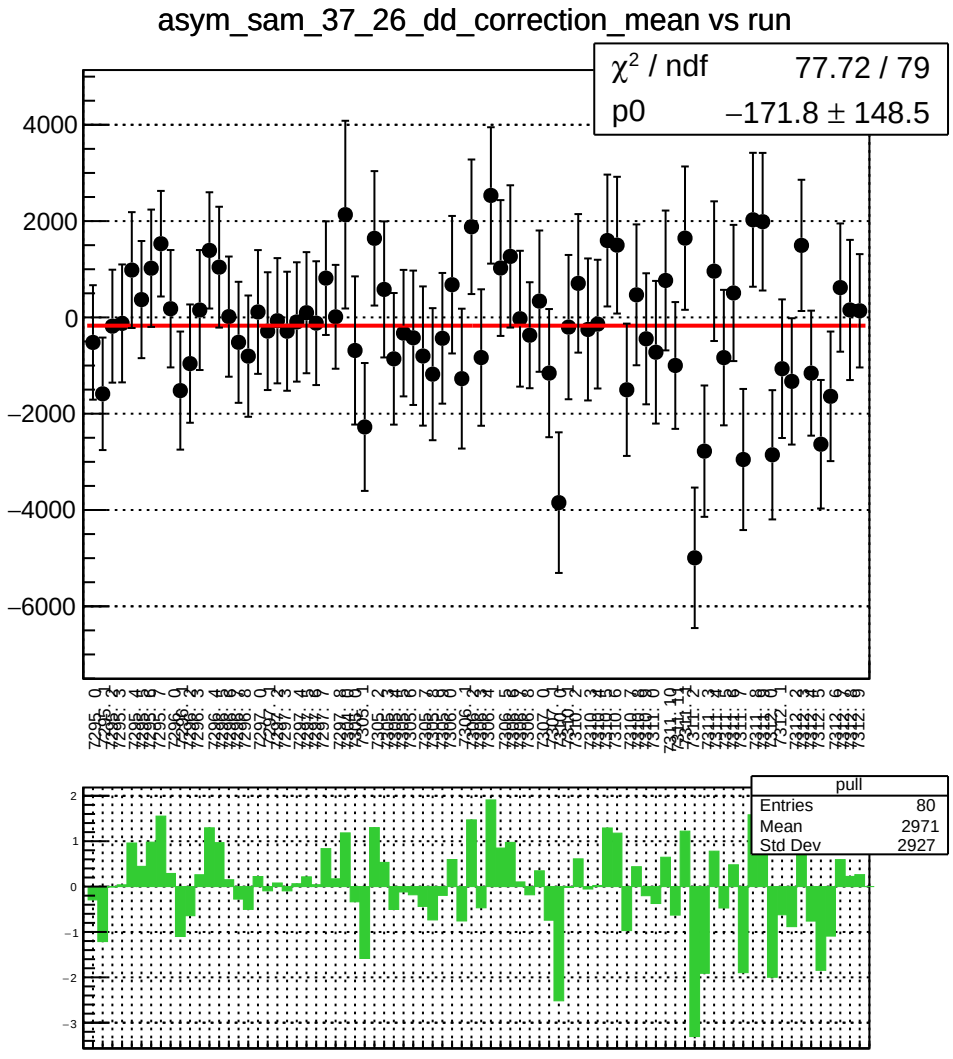

pull1D
Entries 80
Mean −0.003836
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

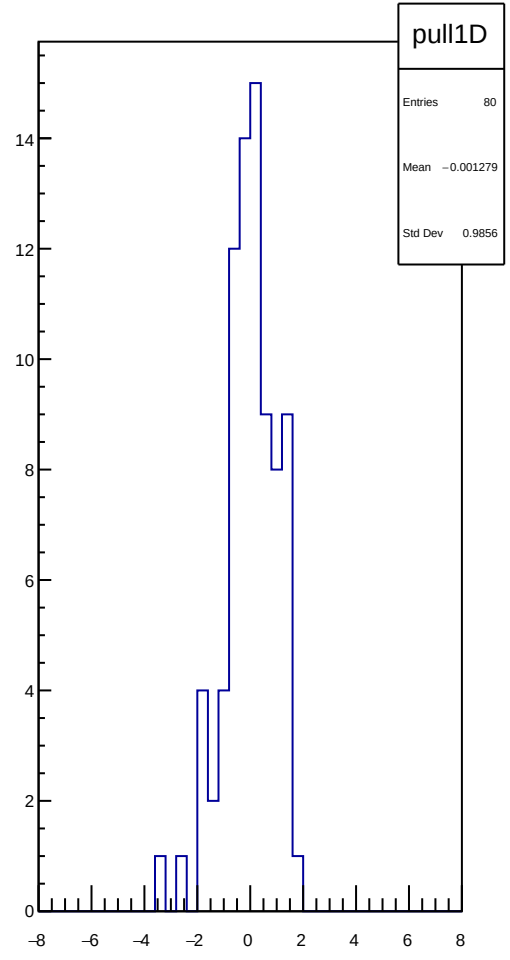

asym_sam_15_26_dd_rms vs run
χ² / ndf 7669 / 79
p0 293.9 ± 0.2432
360
340
320
300
280
260
240

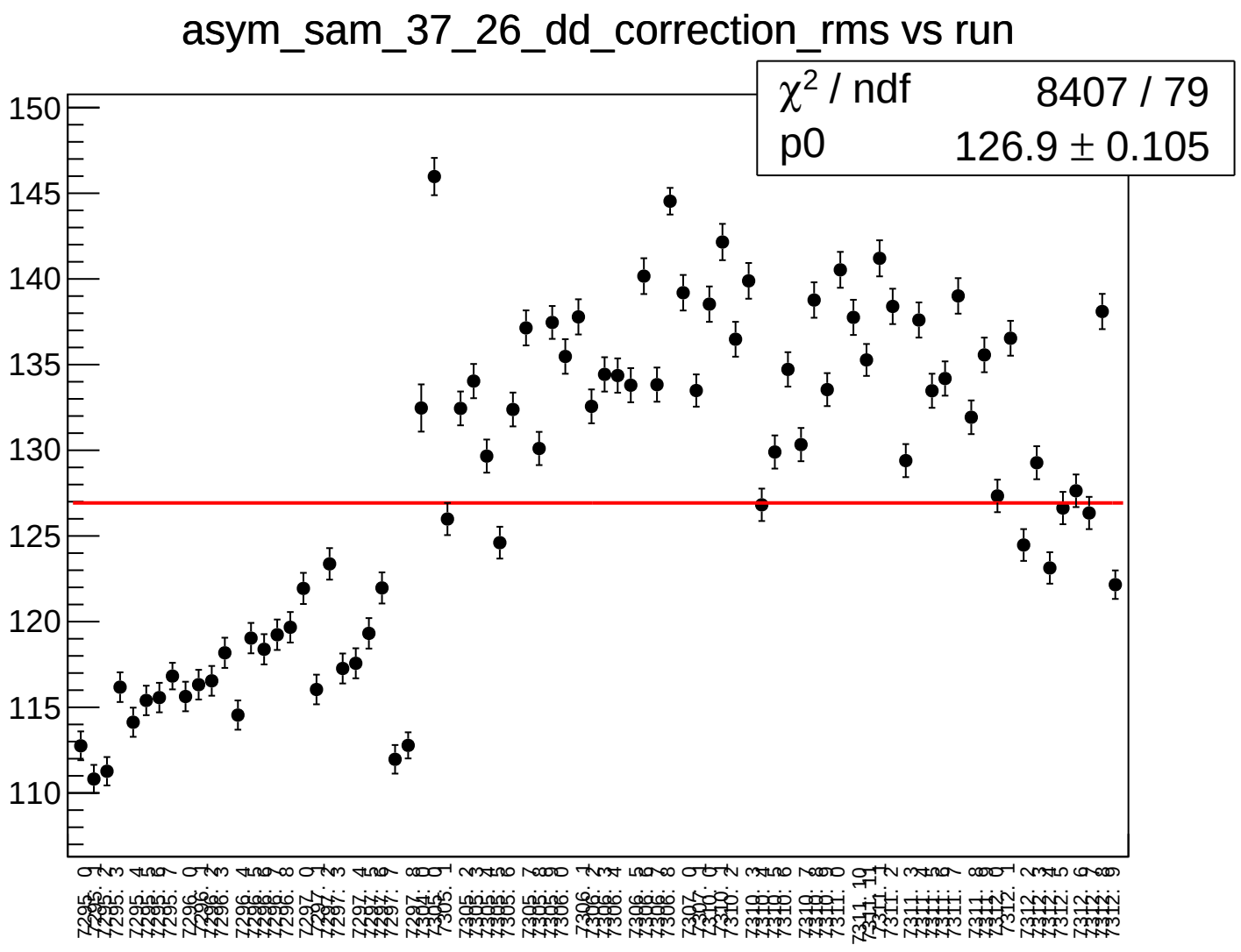

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 76.32 / 79
p0 −20.85 ± 49.41
pull
Entries 80
Mean 1038
Std Dev 996.8

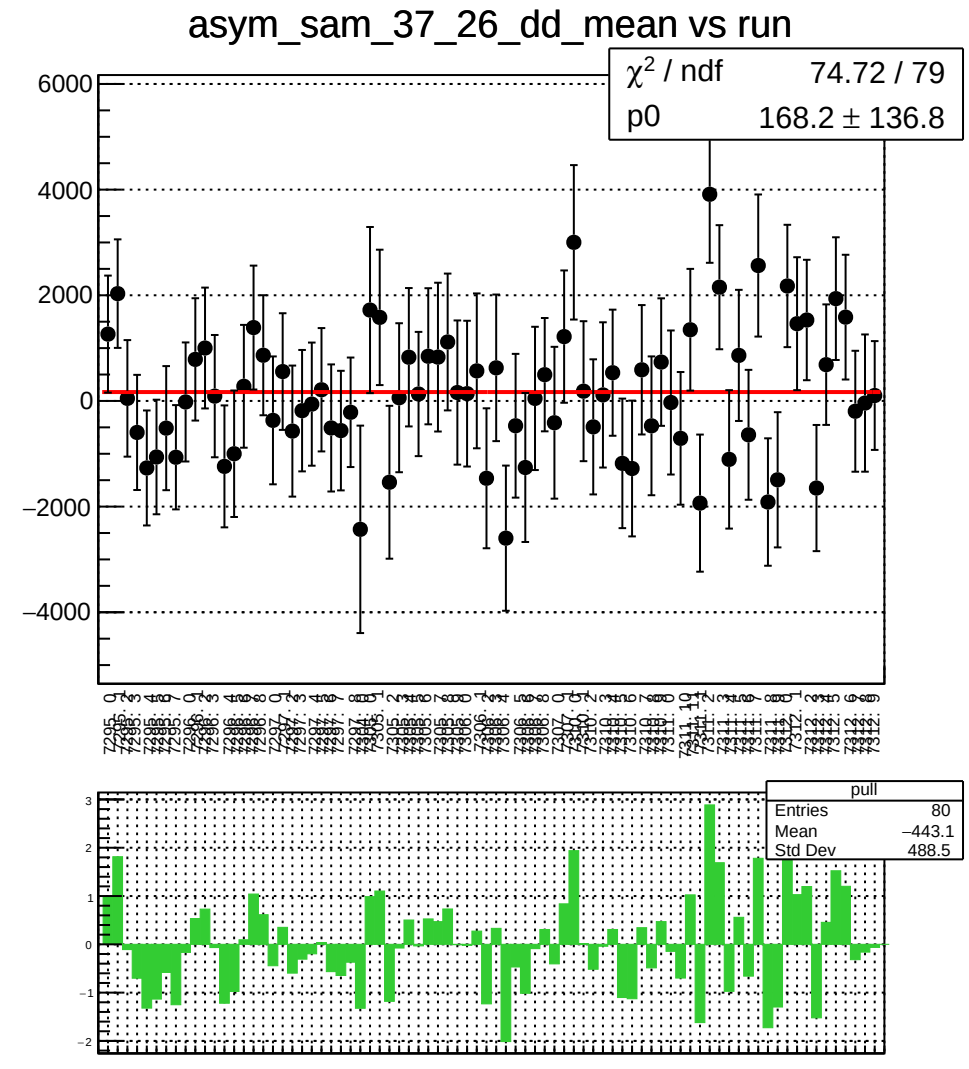

pull1D
Entries 80
Mean −0.002507
Std Dev 0.9767

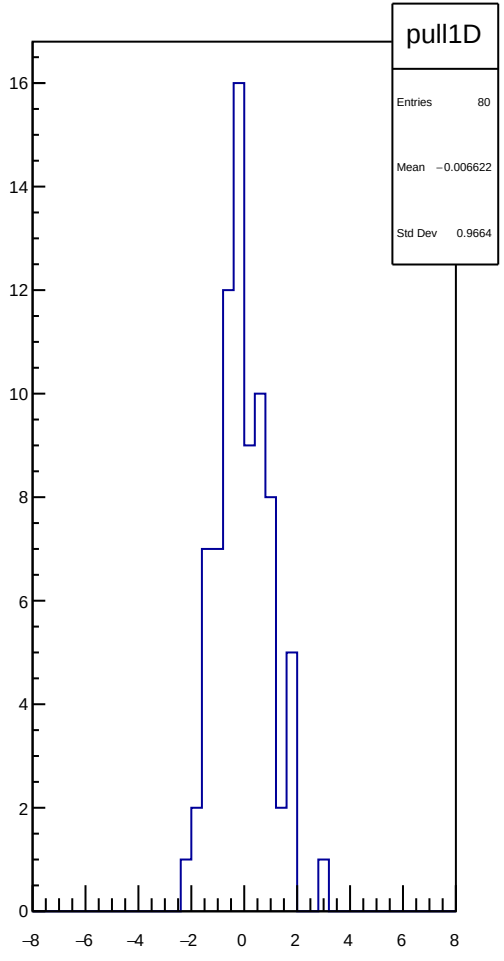

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 9975 / 79
p0 42.2 ± 0.03494
58
56
54
52
50
48
46
44
42
40
38
36

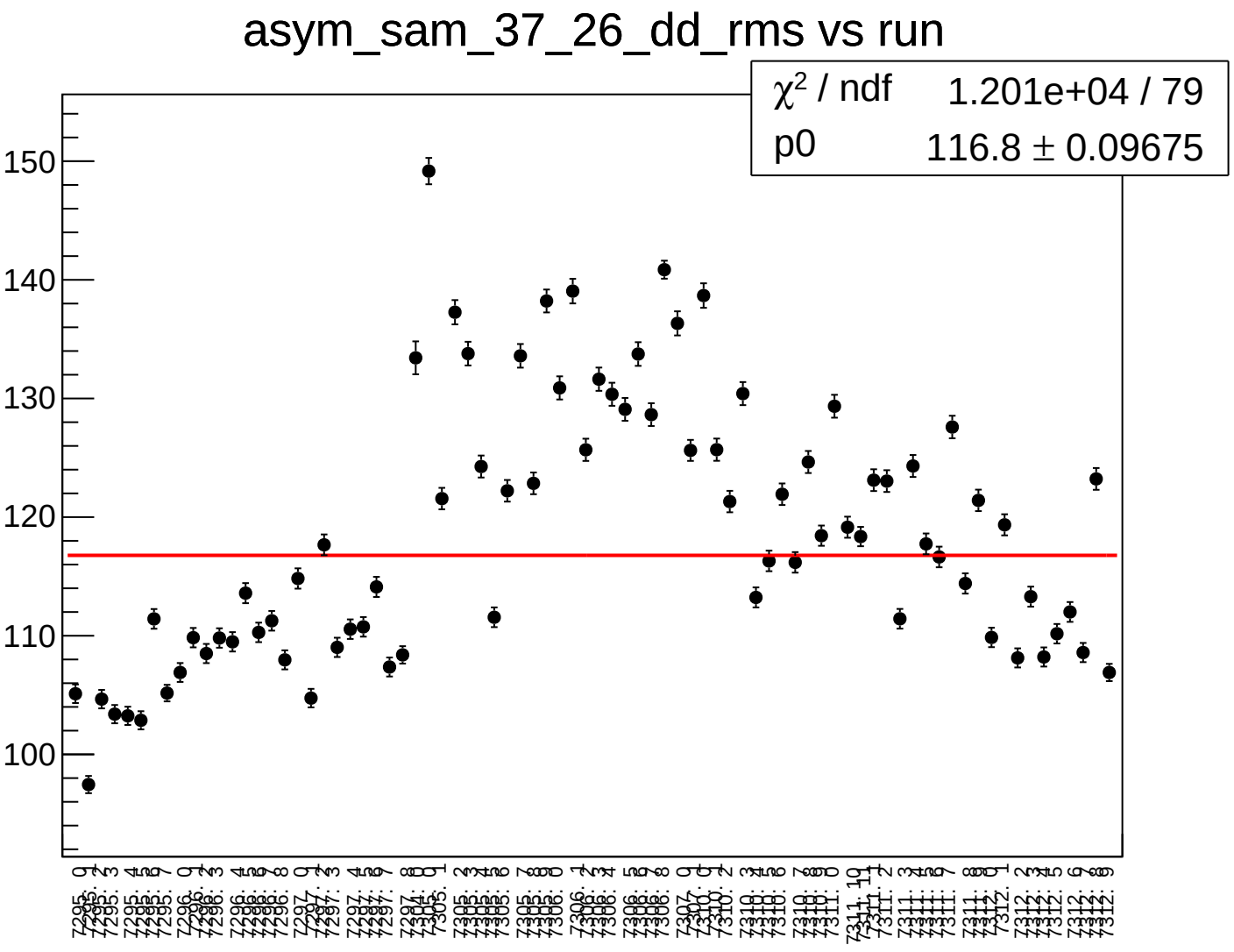

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 77.72 / 79
p0 −171.8 ± 148.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 2971
Std Dev 2927
2
1
0
−1
−2
−3

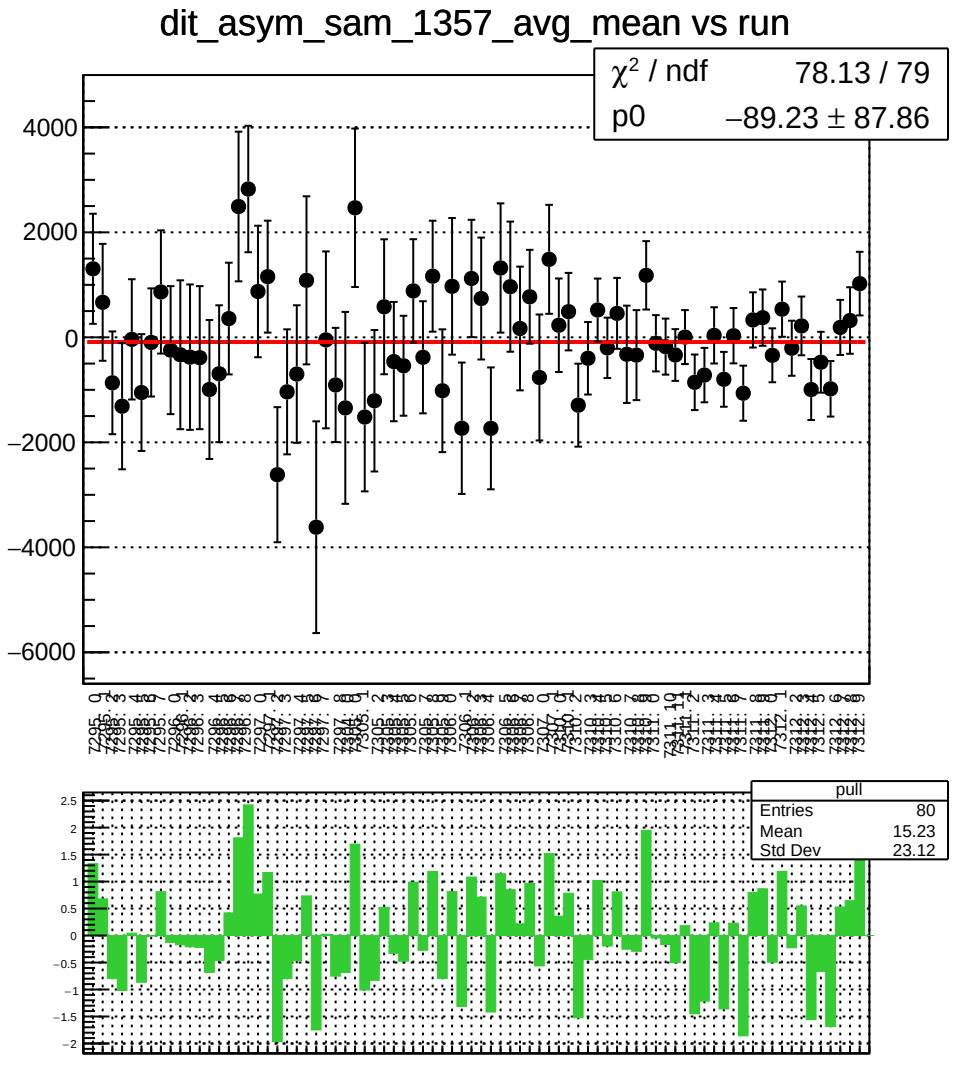

pull1D
Entries 80
Mean −0.001279
Std Dev 0.9856
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

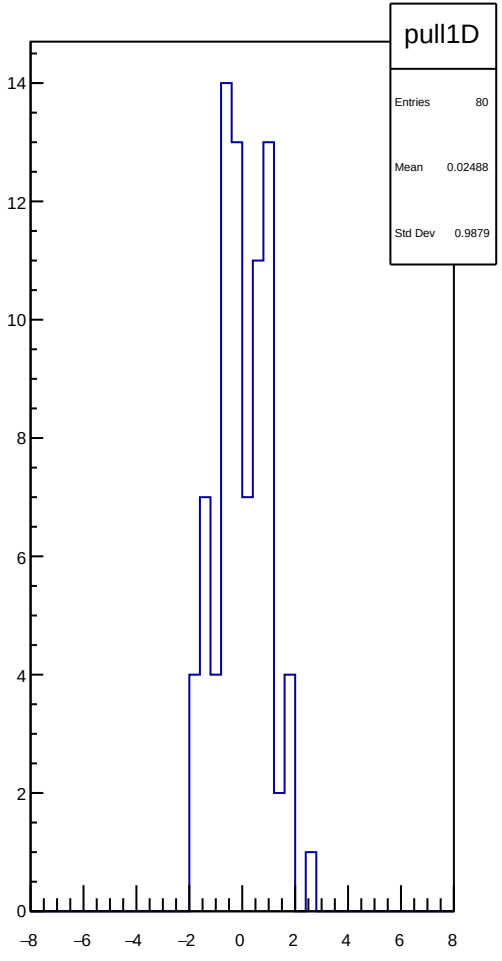

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 8407 / 79
p0 126.9 ± 0.105
150
145
140
135
130
125
120
115
110

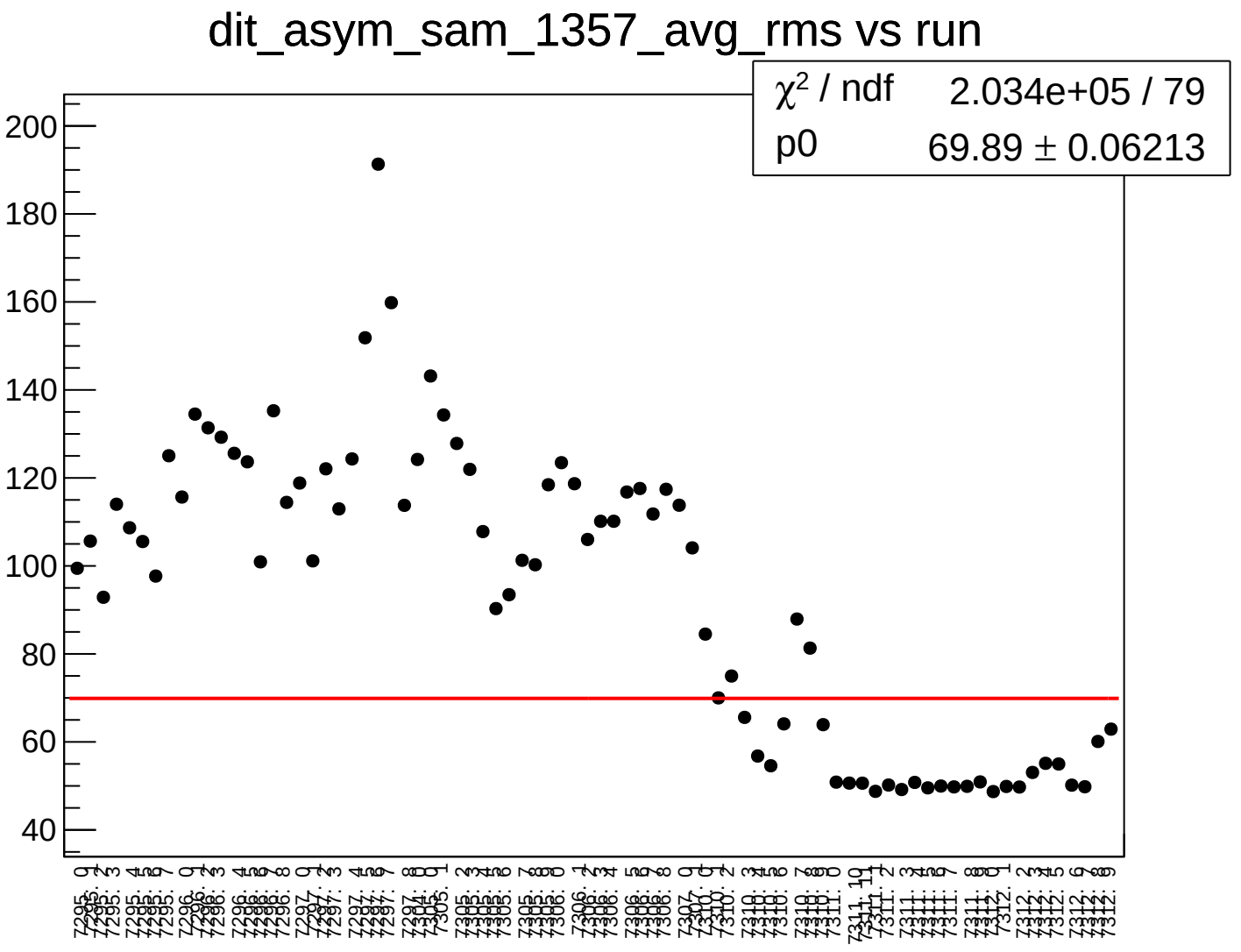

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 74.72 / 79
p0 168.2 ± 136.8
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −443.1
Std Dev 488.5
3
2
1
0
−1
−2

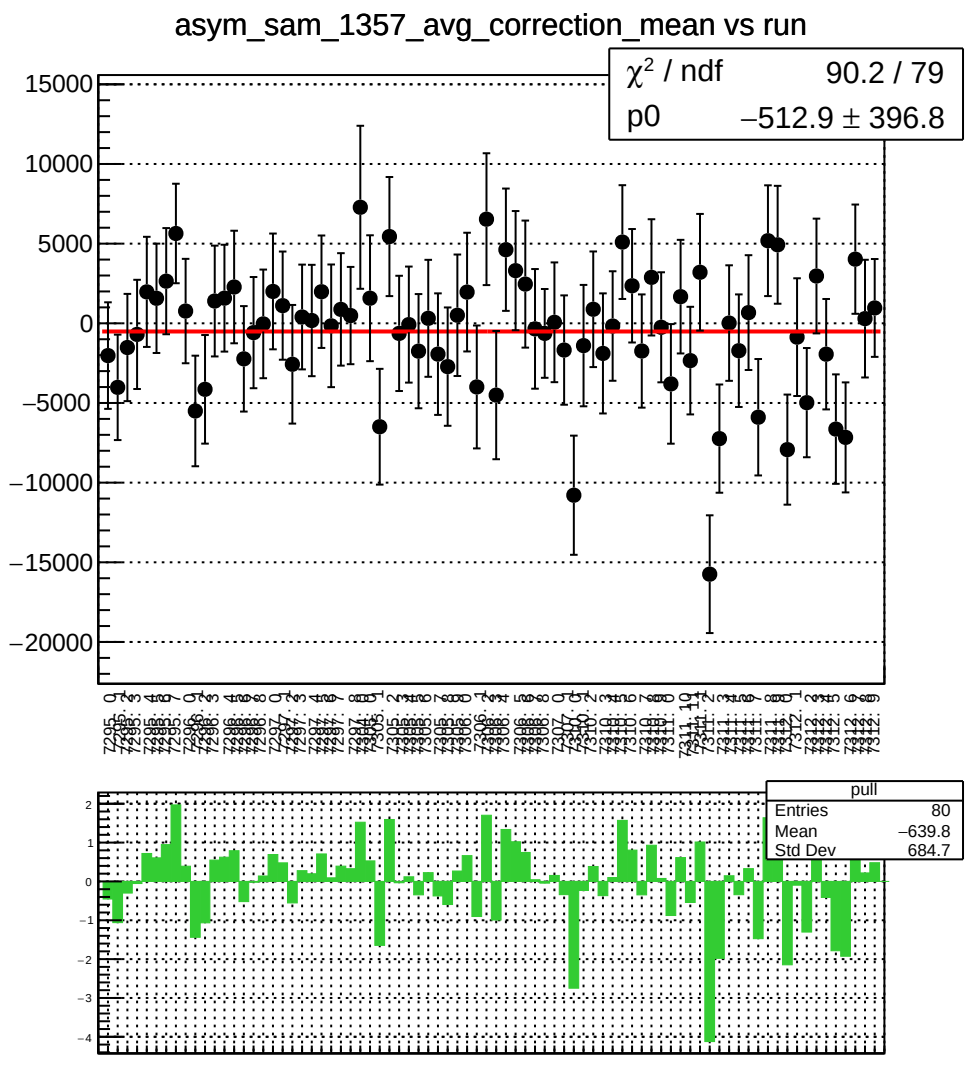

pull1D
Entries 80
Mean −0.006622
Std Dev 0.9664
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

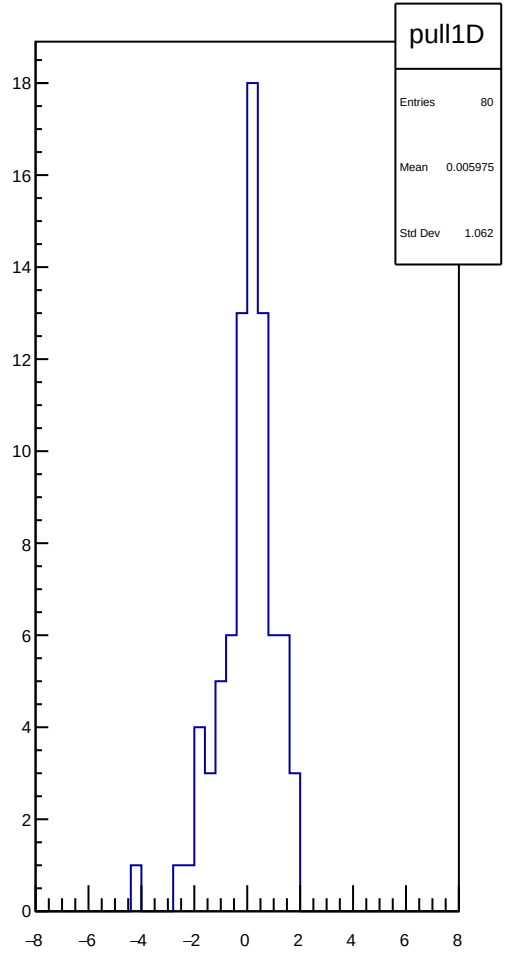

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.201e+04 / 79
p0 116.8 ± 0.09675
150
140
130
120
110
100

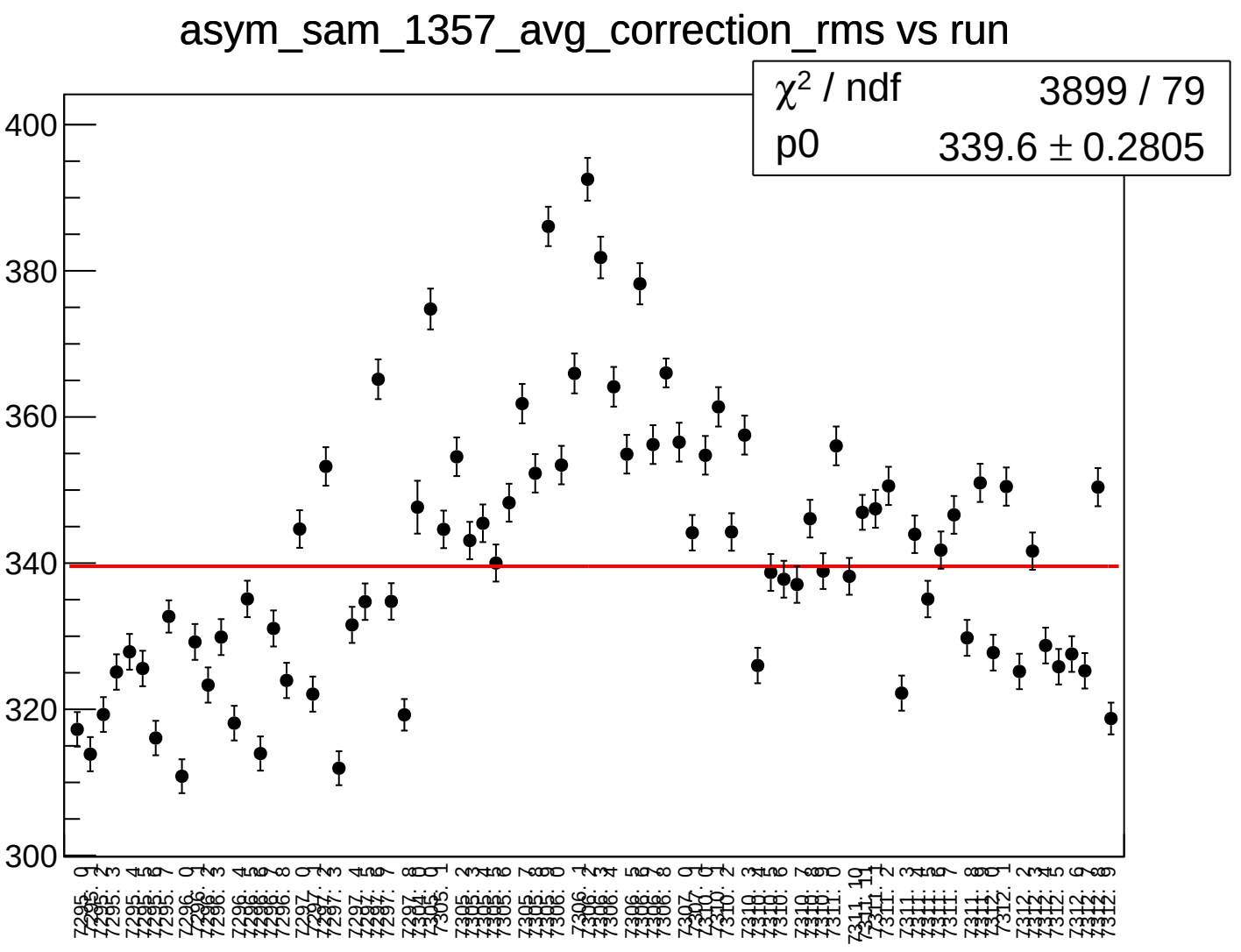

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 78.13 / 79
p0 −89.23 ± 87.86
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 15.23
Std Dev 23.12
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

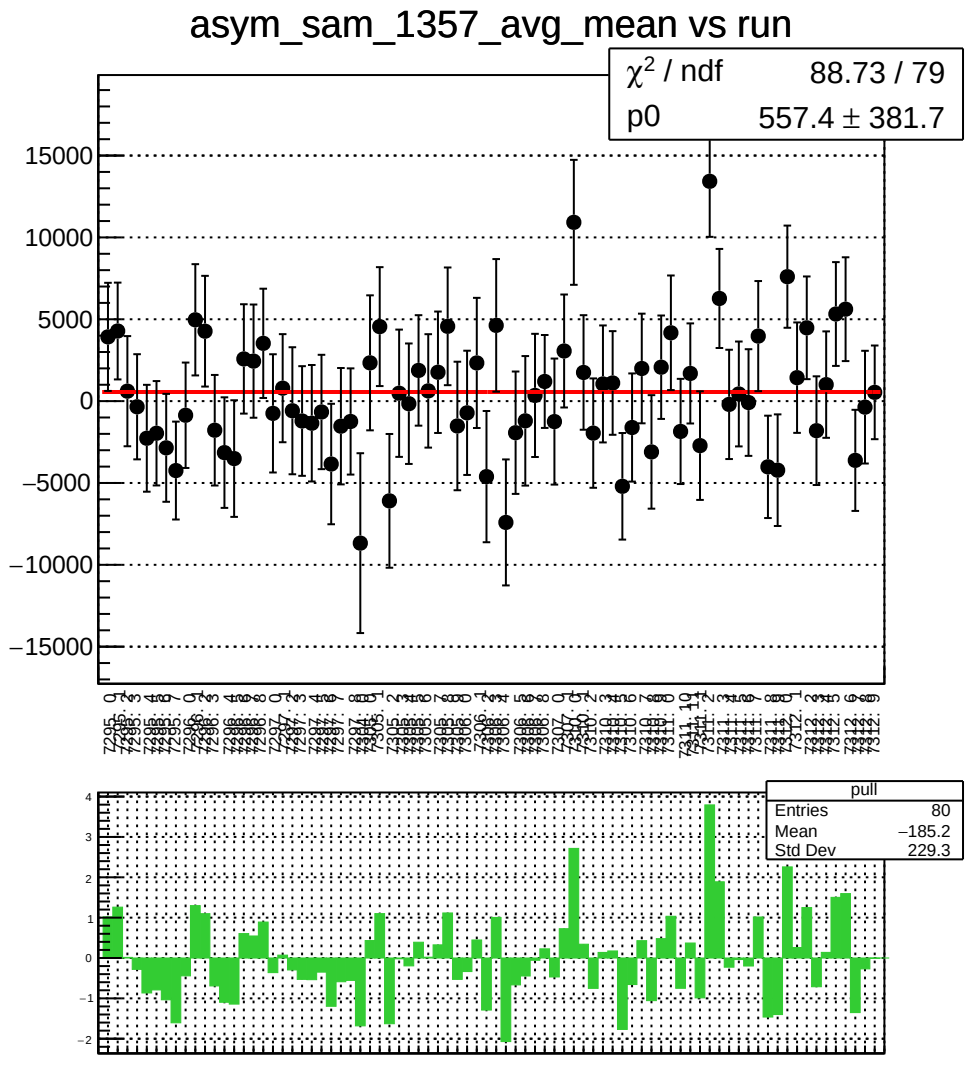

pull1D
Entries 80
Mean 0.02488
Std Dev 0.9879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

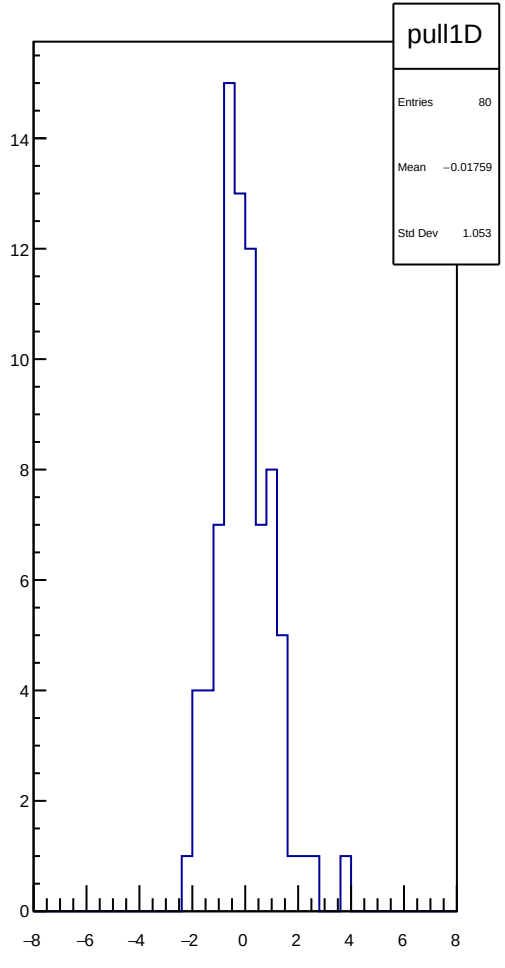

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.034e+05 / 79
p0 69.89 ± 0.06213
200
180
160
140
120
100
80
60
40

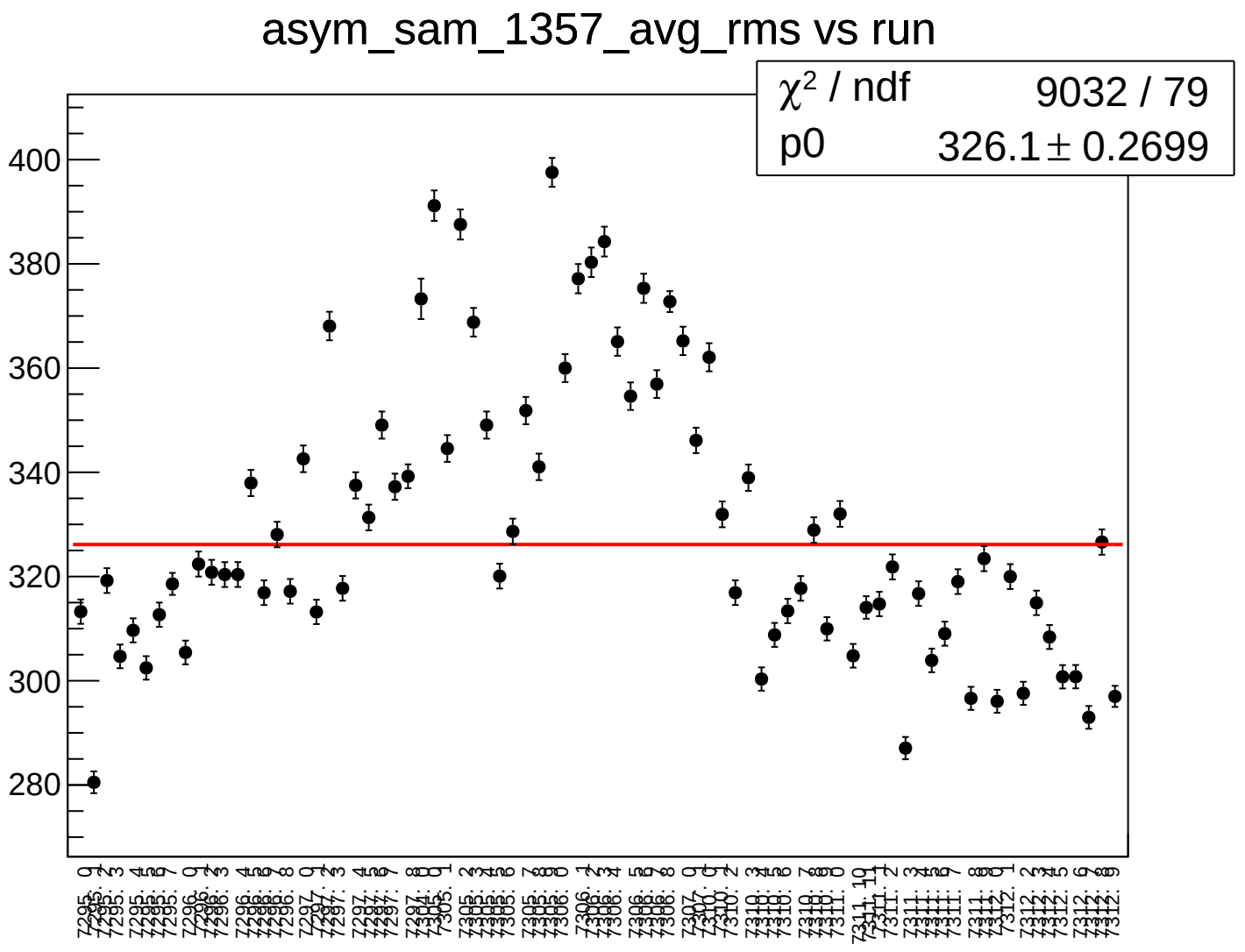

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 90.2 / 79
p0 −512.9 ± 396.8
pull
Entries 80
Mean −639.8
Std Dev 684.7

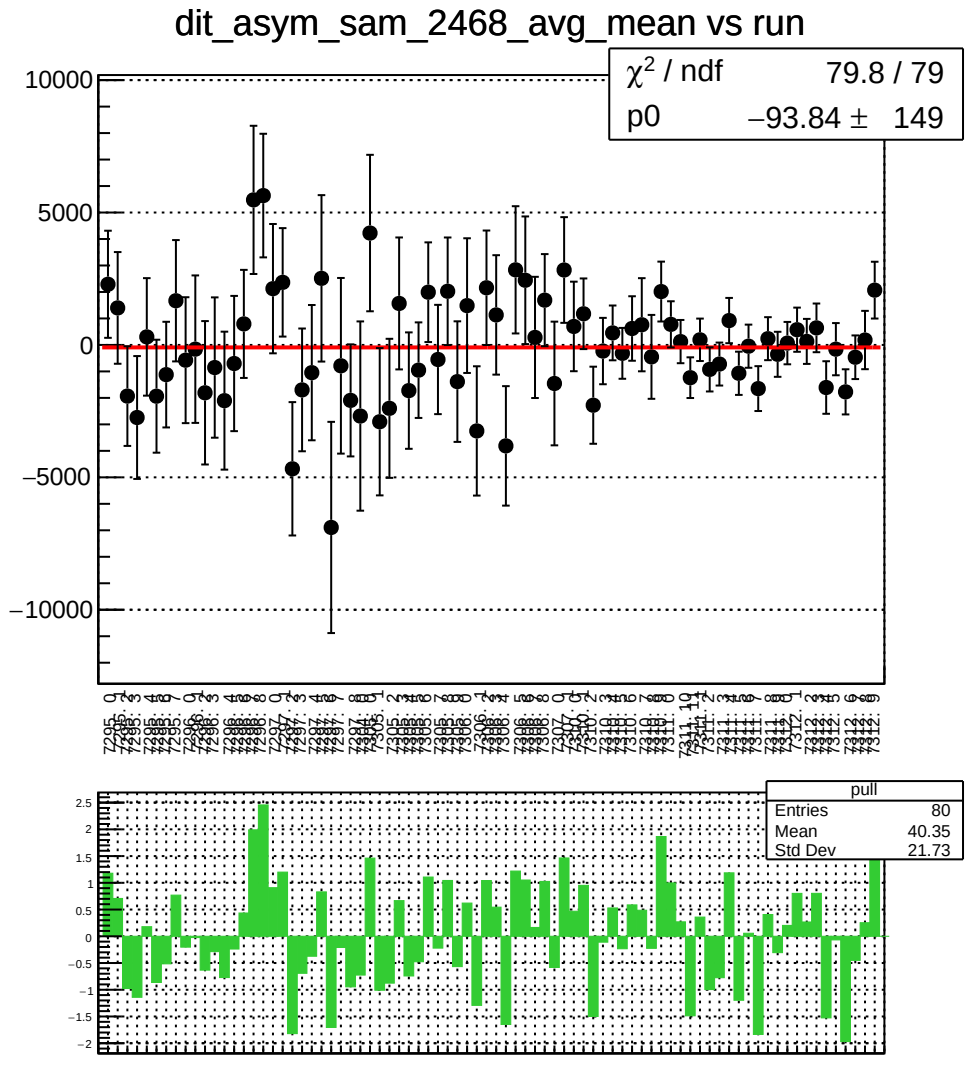

pull1D
Entries 80
Mean 0.005975
Std Dev 1.062

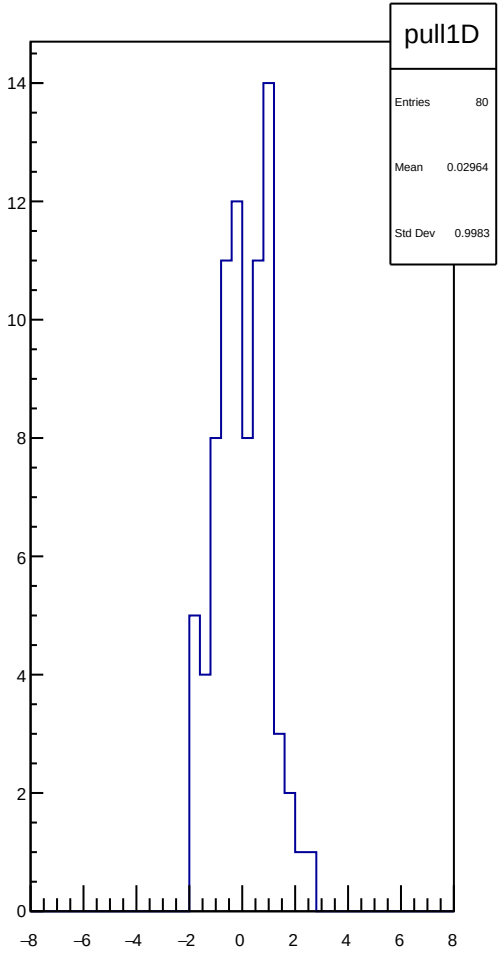

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3899 / 79
p0 339.6 ± 0.2805
400
380
360
340
320
300

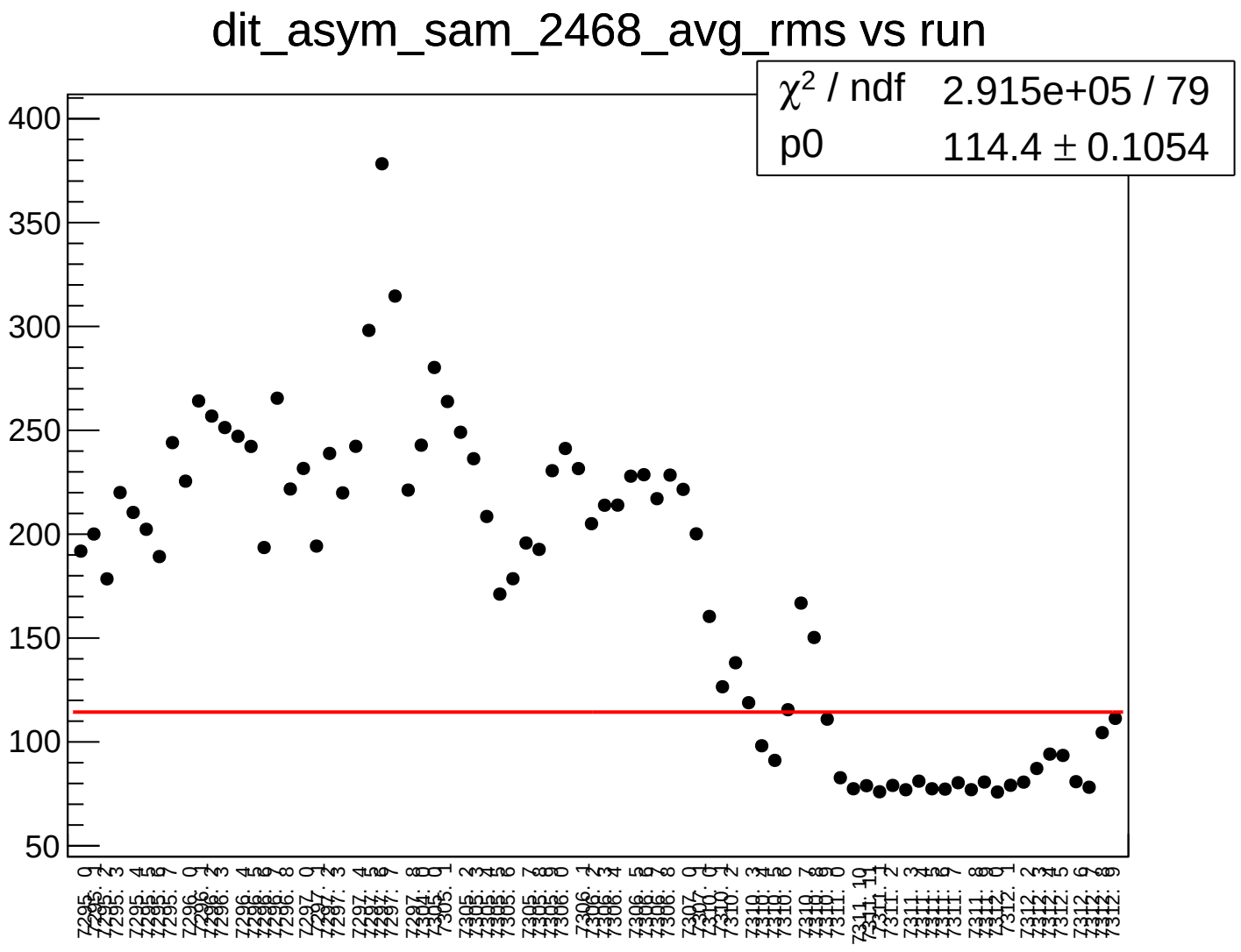

asym_sam_1357_avg_mean vs run
χ² / ndf 88.73 / 79
p0 557.4 ± 381.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −185.2
Std Dev 229.3
4
3
2
1
0
−1
−2

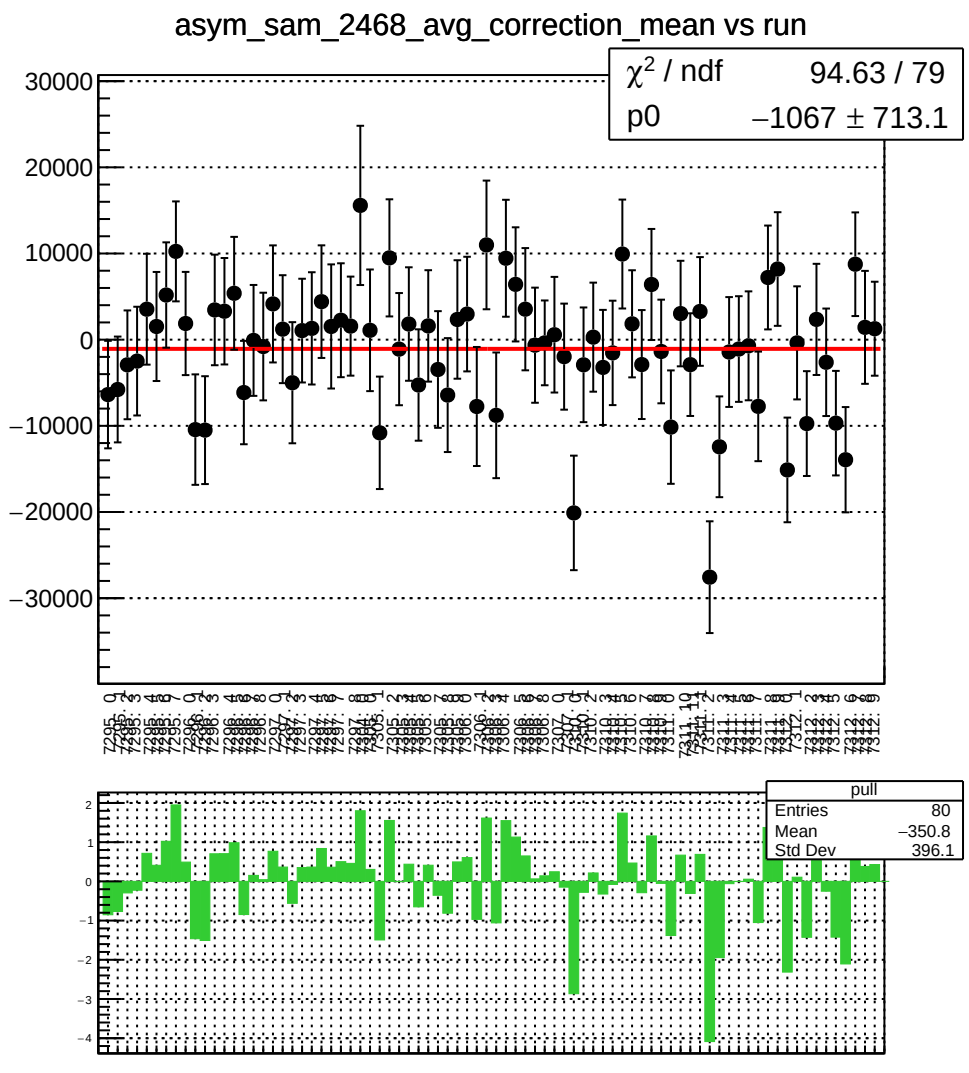

pull1D
Entries 80
Mean −0.01759
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

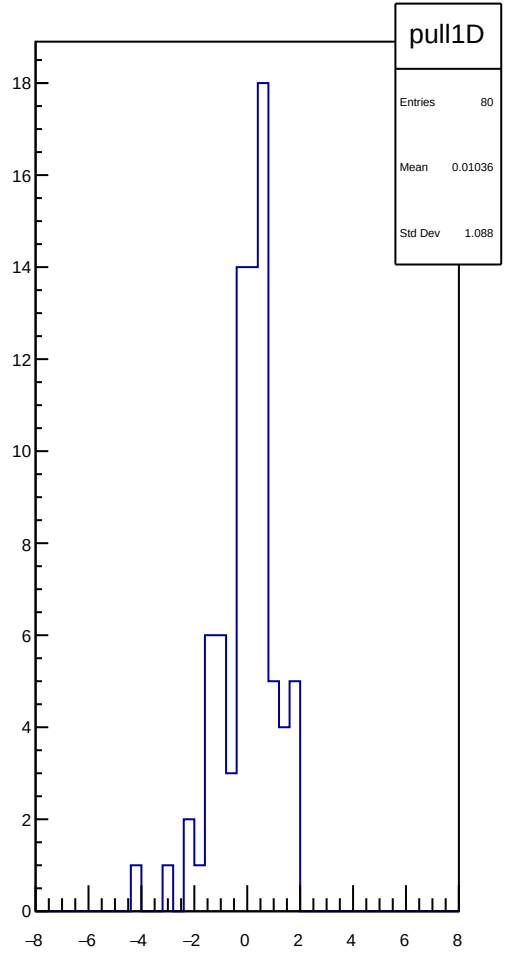

asym_sam_1357_avg_rms vs run
χ² / ndf 9032 / 79
p0 326.1 ± 0.2699
400
380
360
340
320
300
280

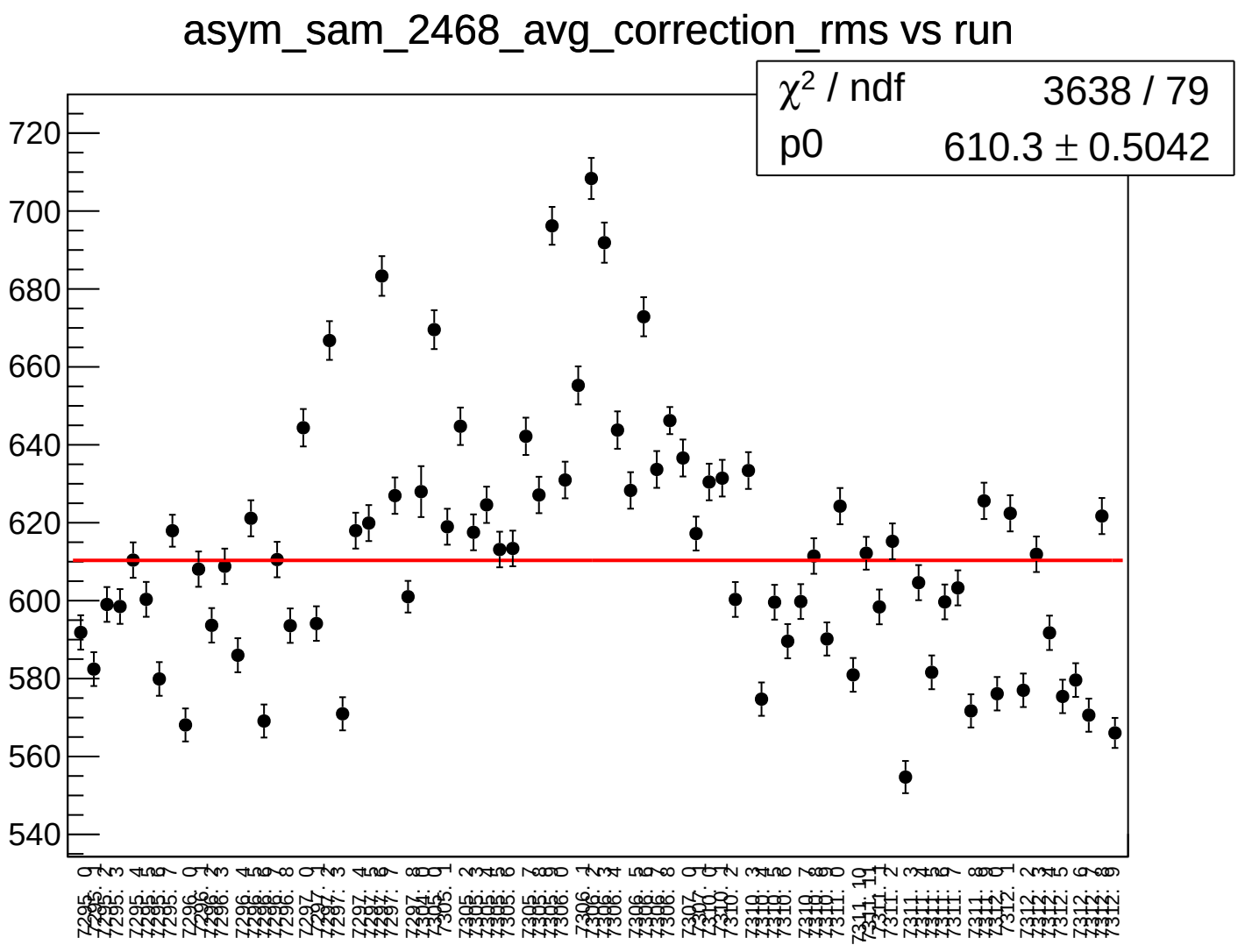

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 79.8 / 79
p0 −93.84 ± 149
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 40.35
Std Dev 21.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

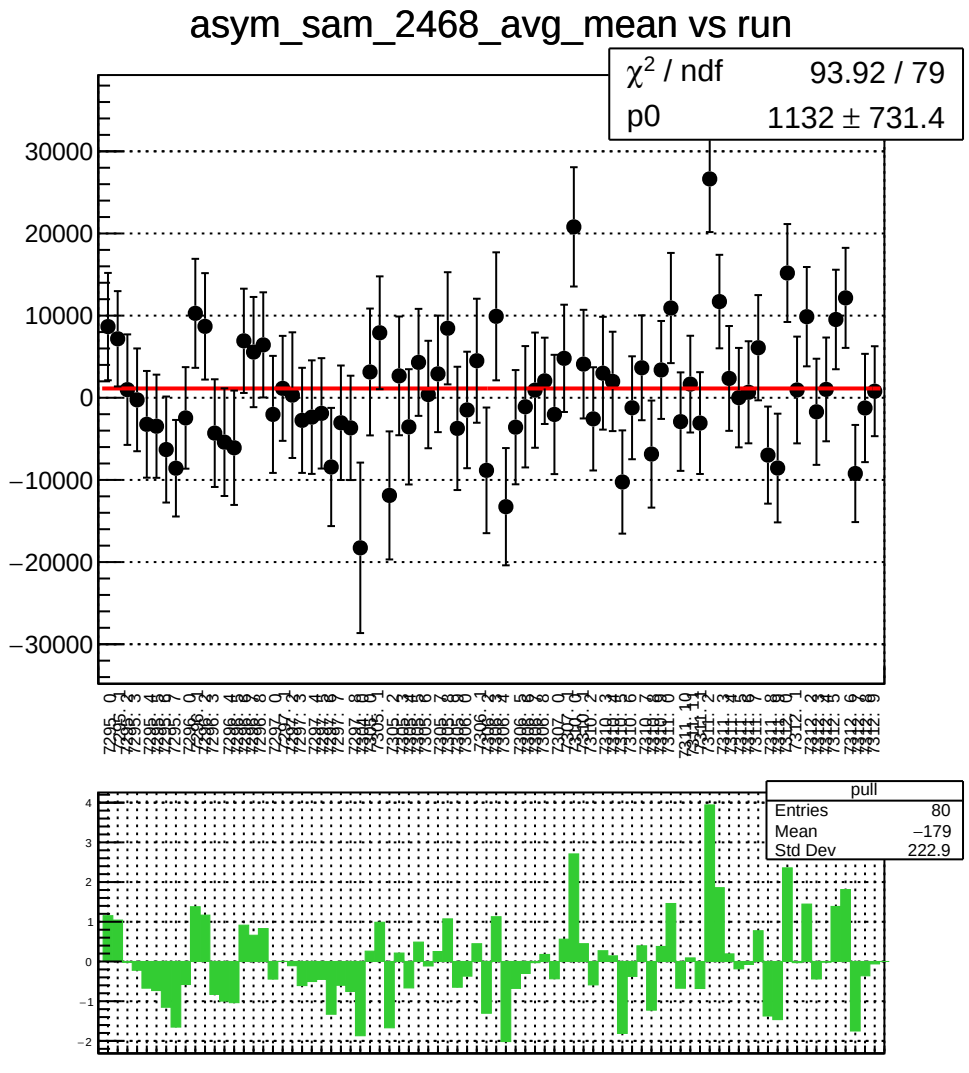

pull1D
Entries 80
Mean 0.02964
Std Dev 0.9983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

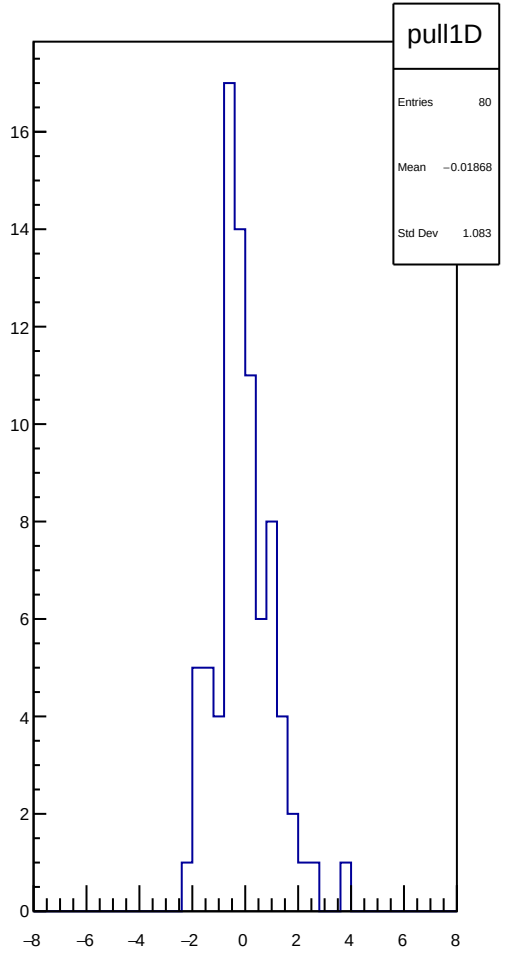

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.915e+05 / 79
p0 114.4 ± 0.1054
400
350
300
250
200
150
100
50

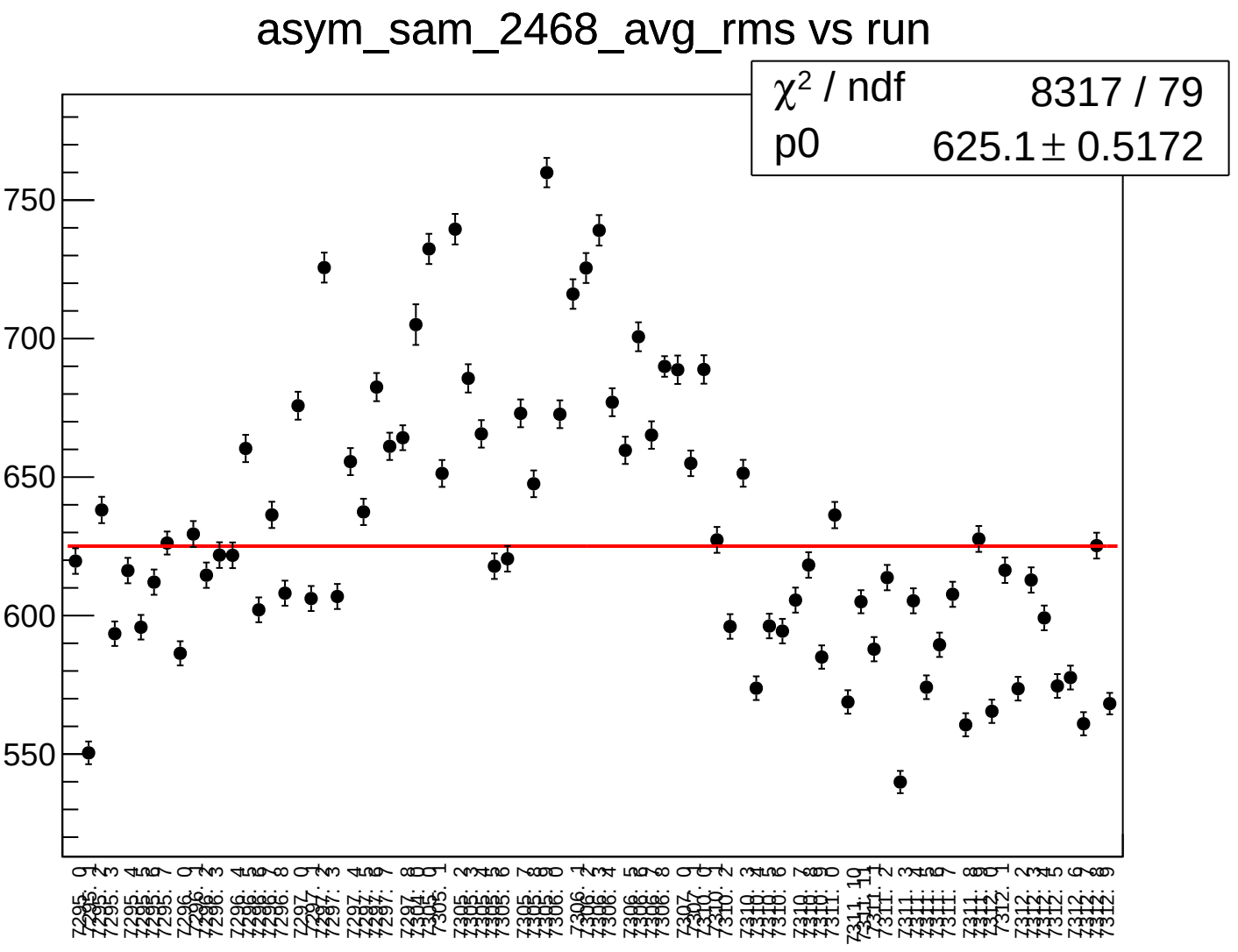

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 94.63 / 79
p0 −1067 ± 713.1
pull
Entries 80
Mean −350.8
Std Dev 396.1

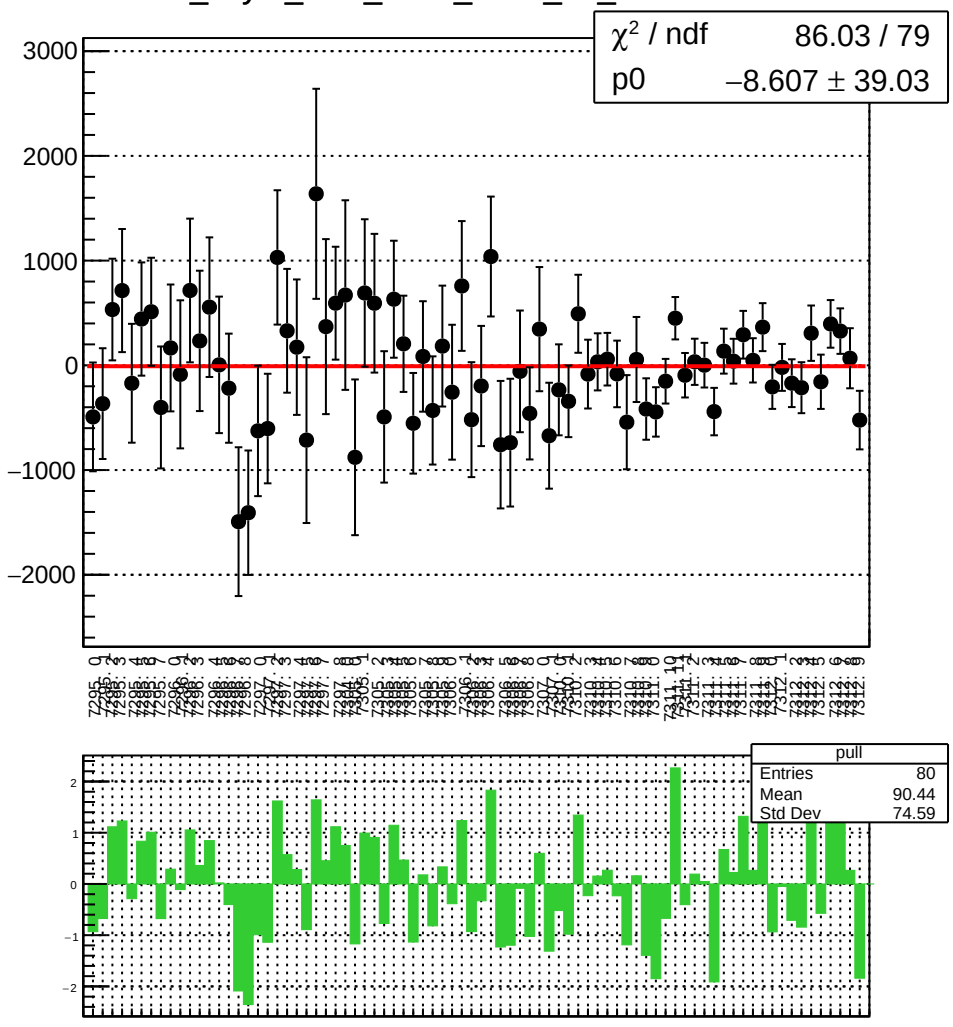

pull1D
Entries 80
Mean 0.01036
Std Dev 1.088

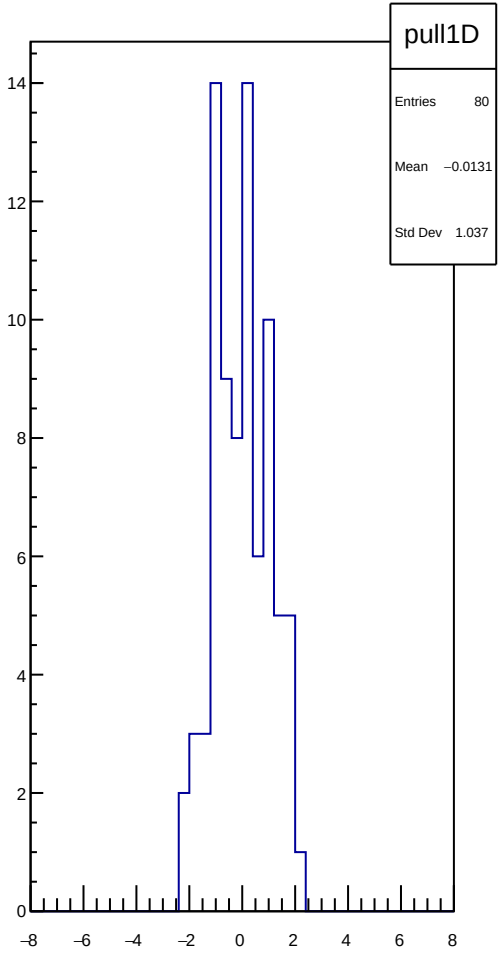

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3638 / 79
p0 610.3 ± 0.5042
720
700
680
660
640
620
600
580
560
540

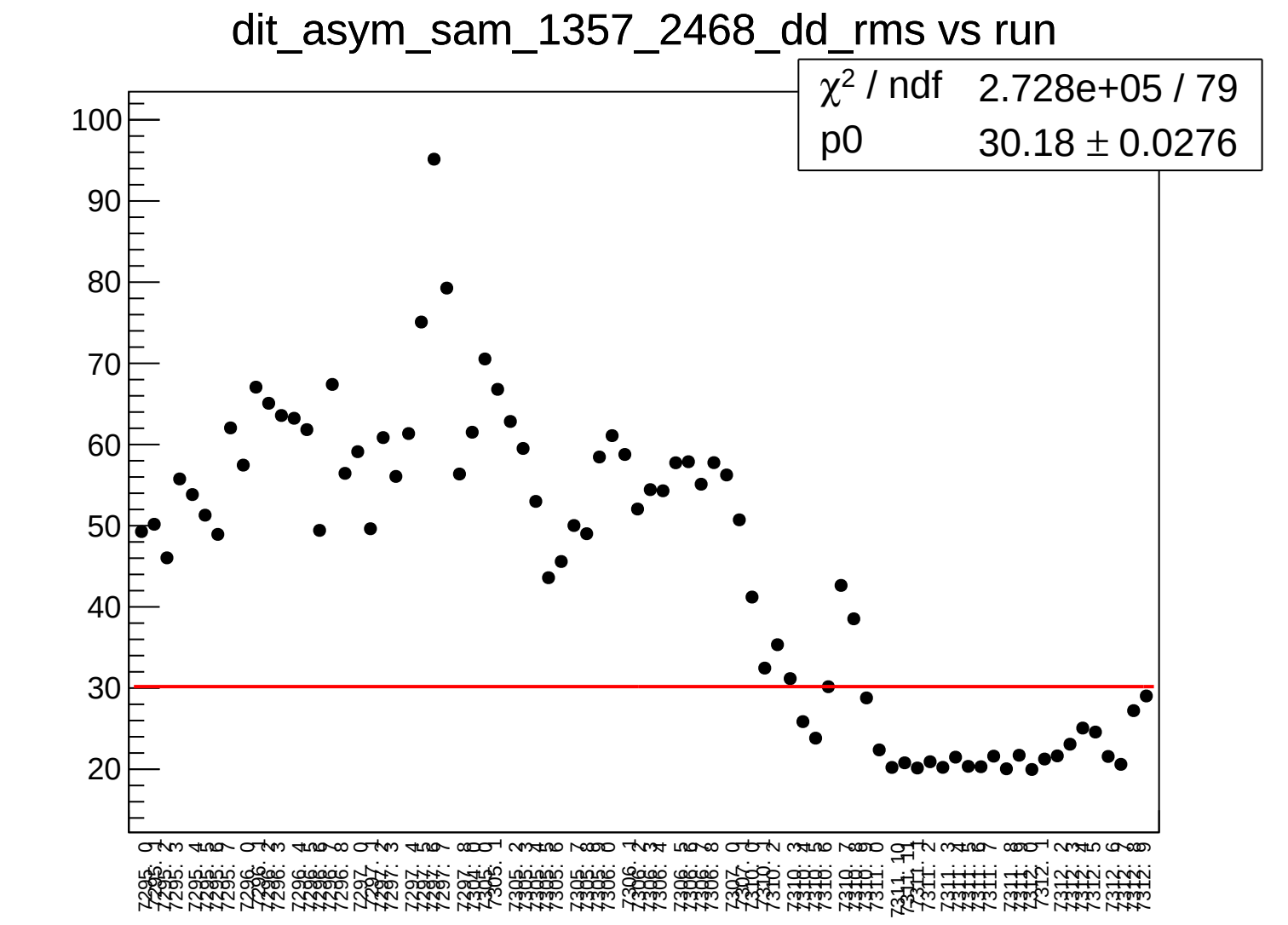

asym_sam_2468_avg_mean vs run
χ² / ndf 93.92 / 79
p0 1132 ± 731.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −179
Std Dev 222.9
4
3
2
1
0
−1
−2

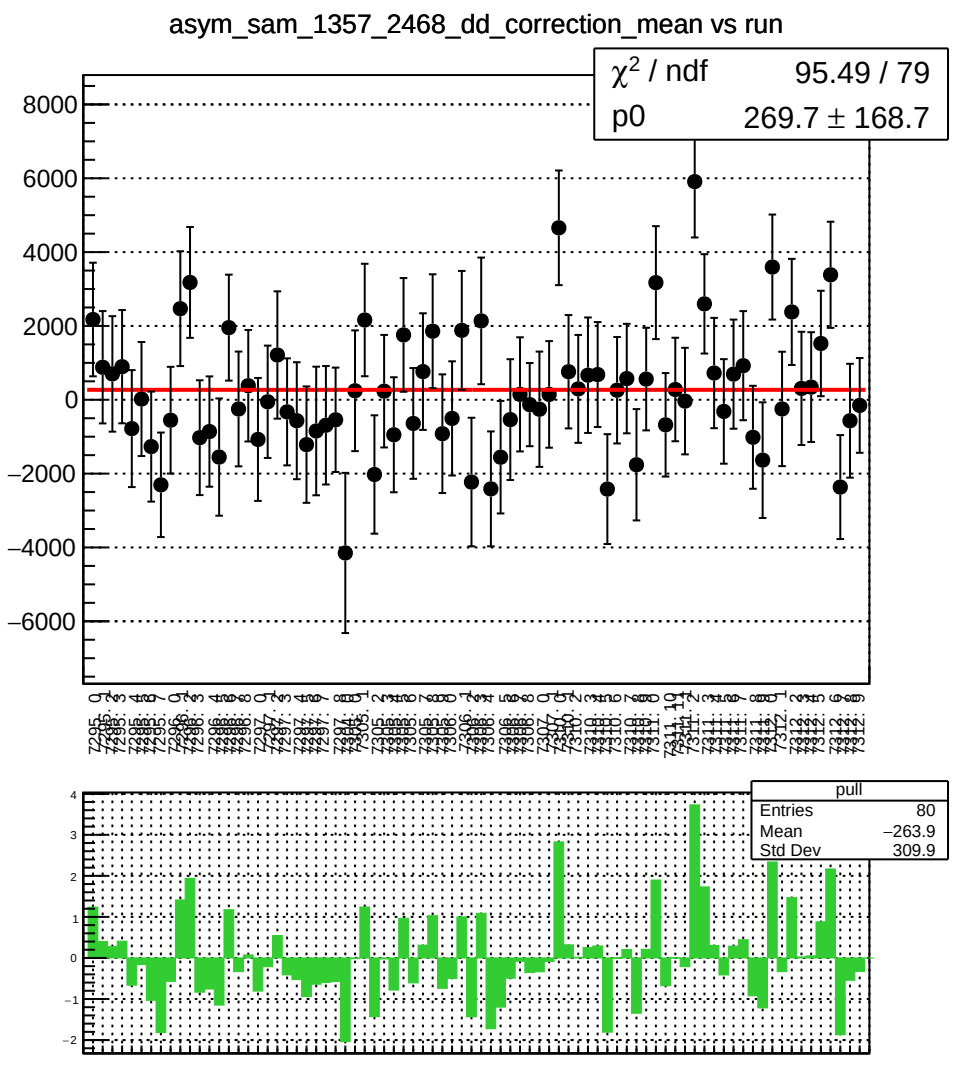

pull1D
Entries 80
Mean −0.01868
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

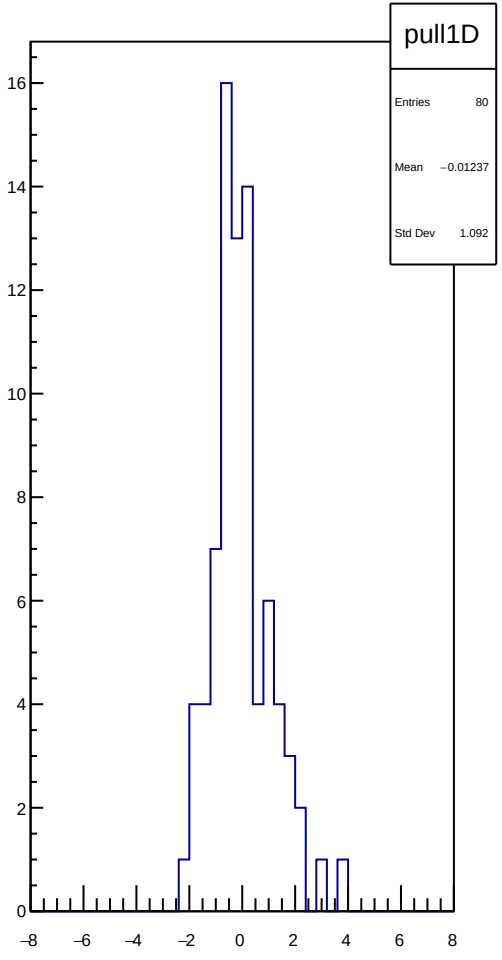

asym_sam_2468_avg_rms vs run
χ² / ndf 8317 / 79
p0 625.1 ± 0.5172
750
700
650
600
550

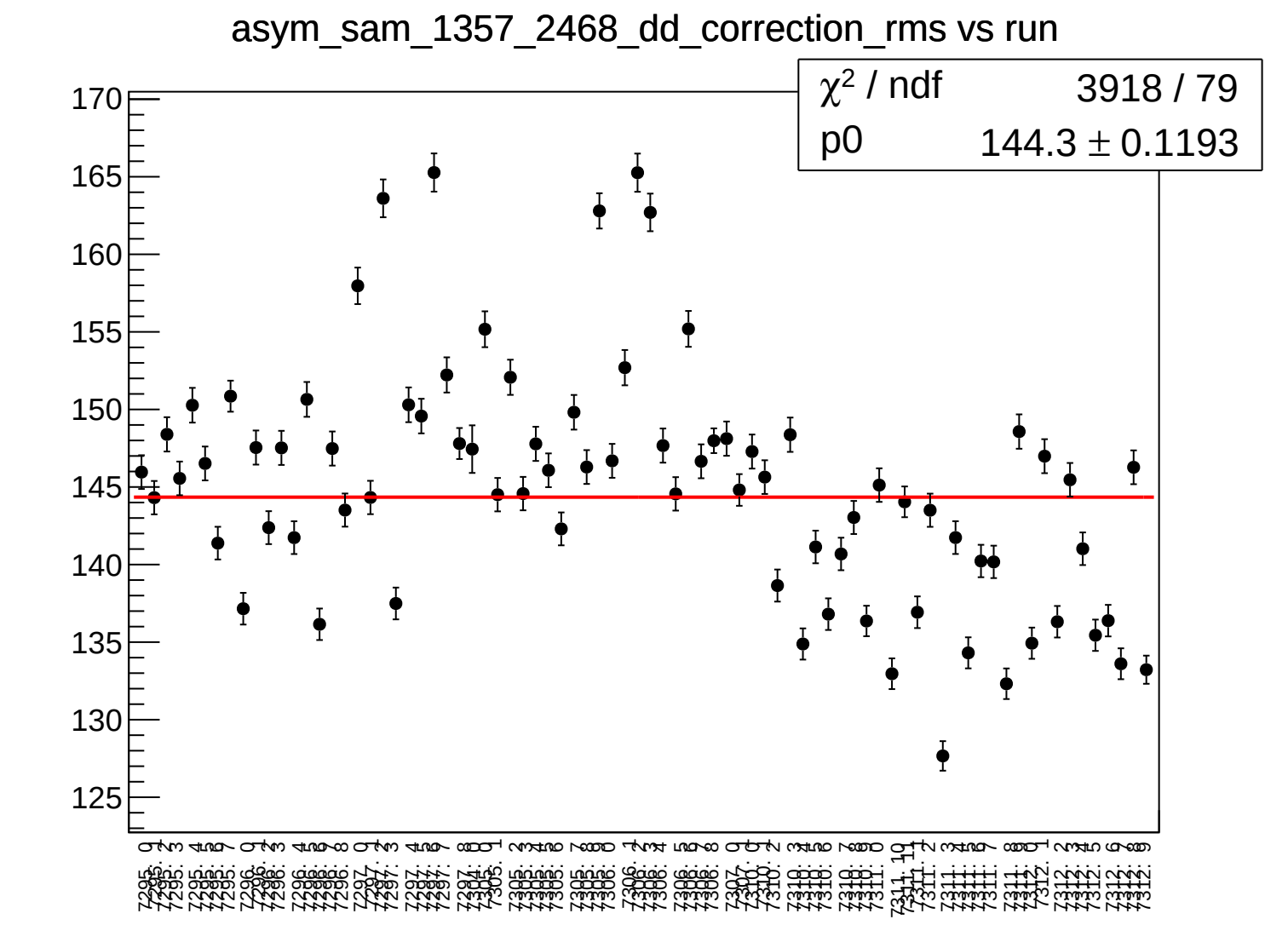

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 86.03 / 79
p0 −8.607 ± 39.03
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 90.44
Std Dev 74.59
2
1
0
−1
−2

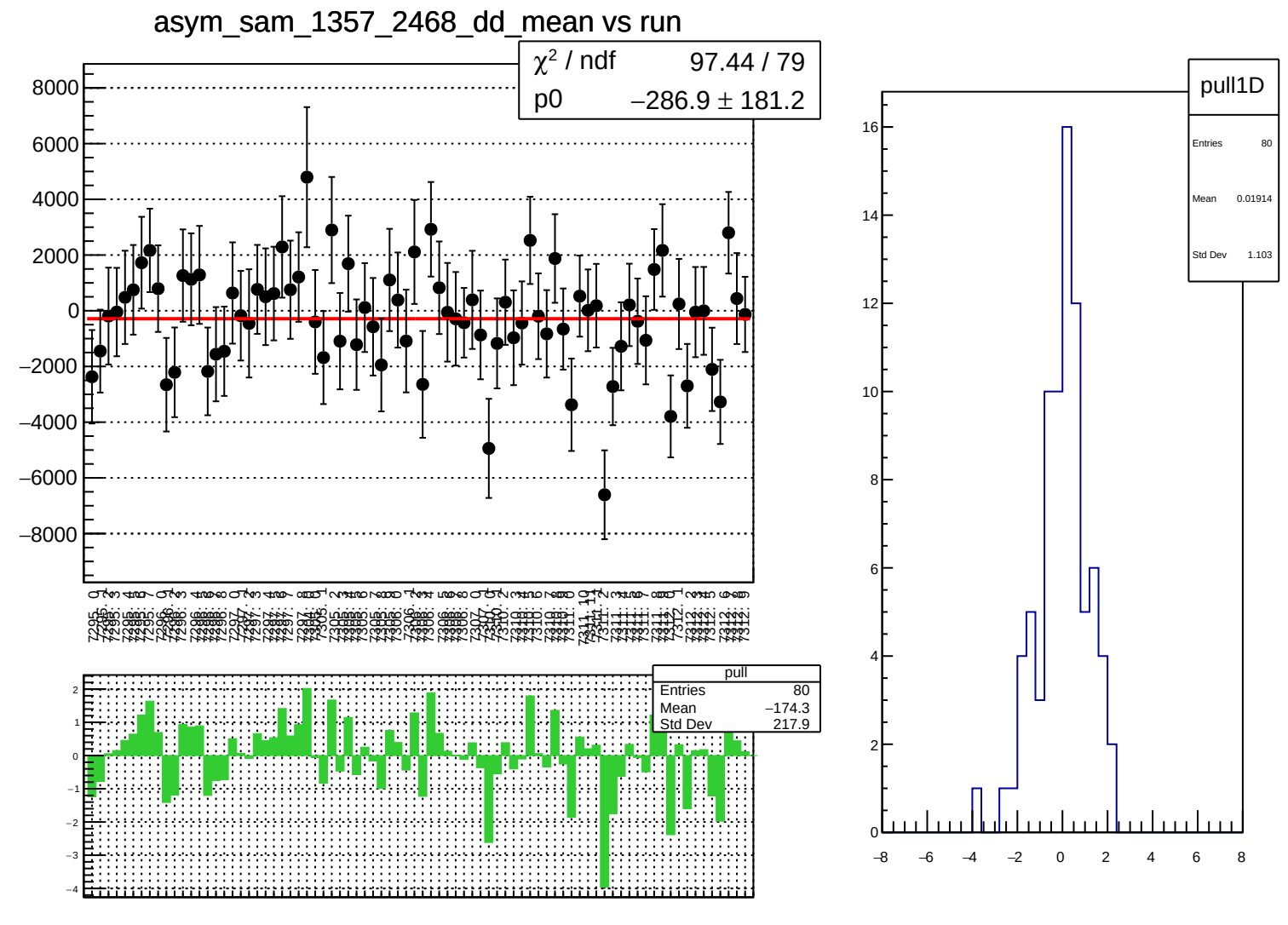

pull1D
Entries 80
Mean −0.0131
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

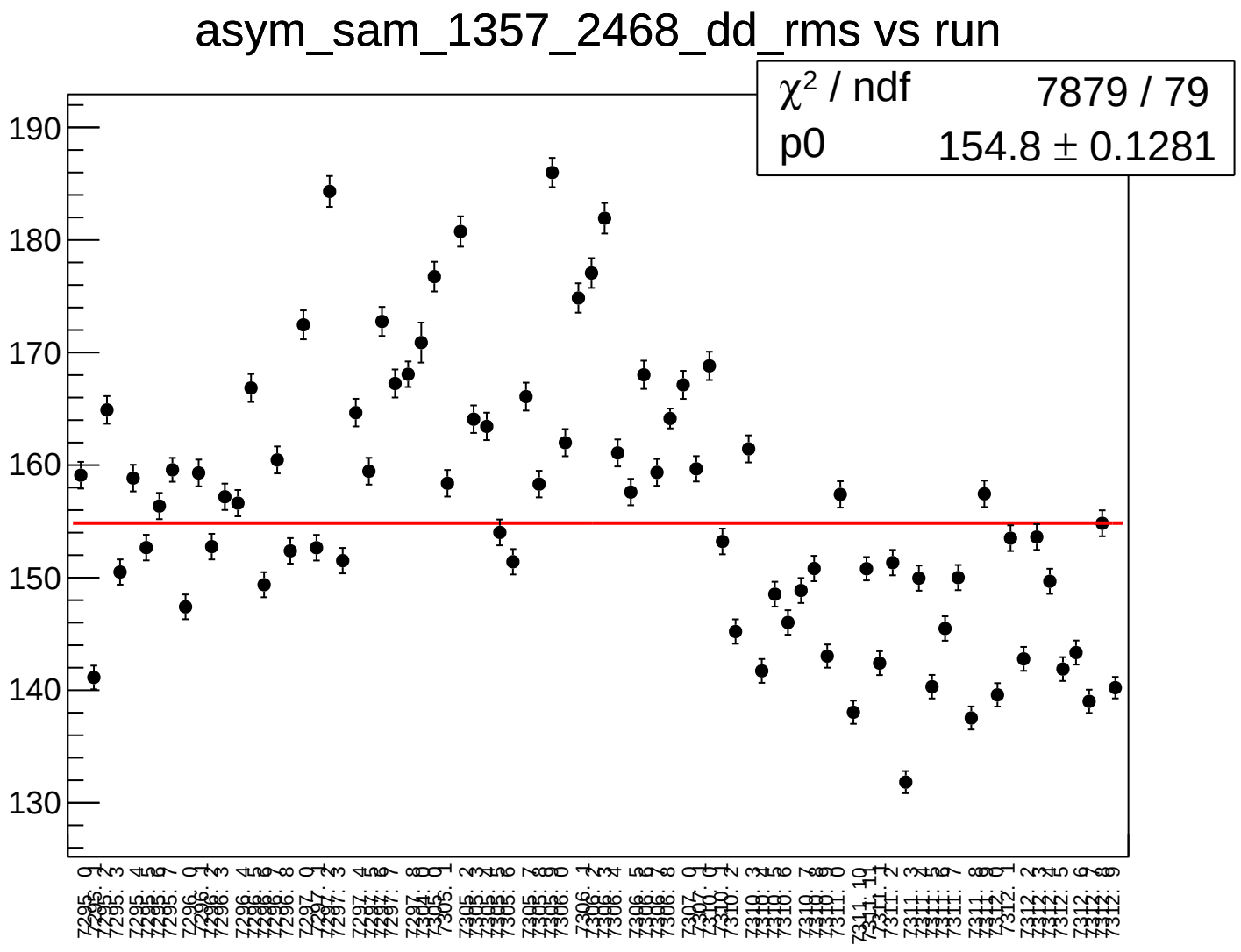

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.728e+05 / 79
p0 30.18 ± 0.0276
100
90
80
70
60
50
40
30
20

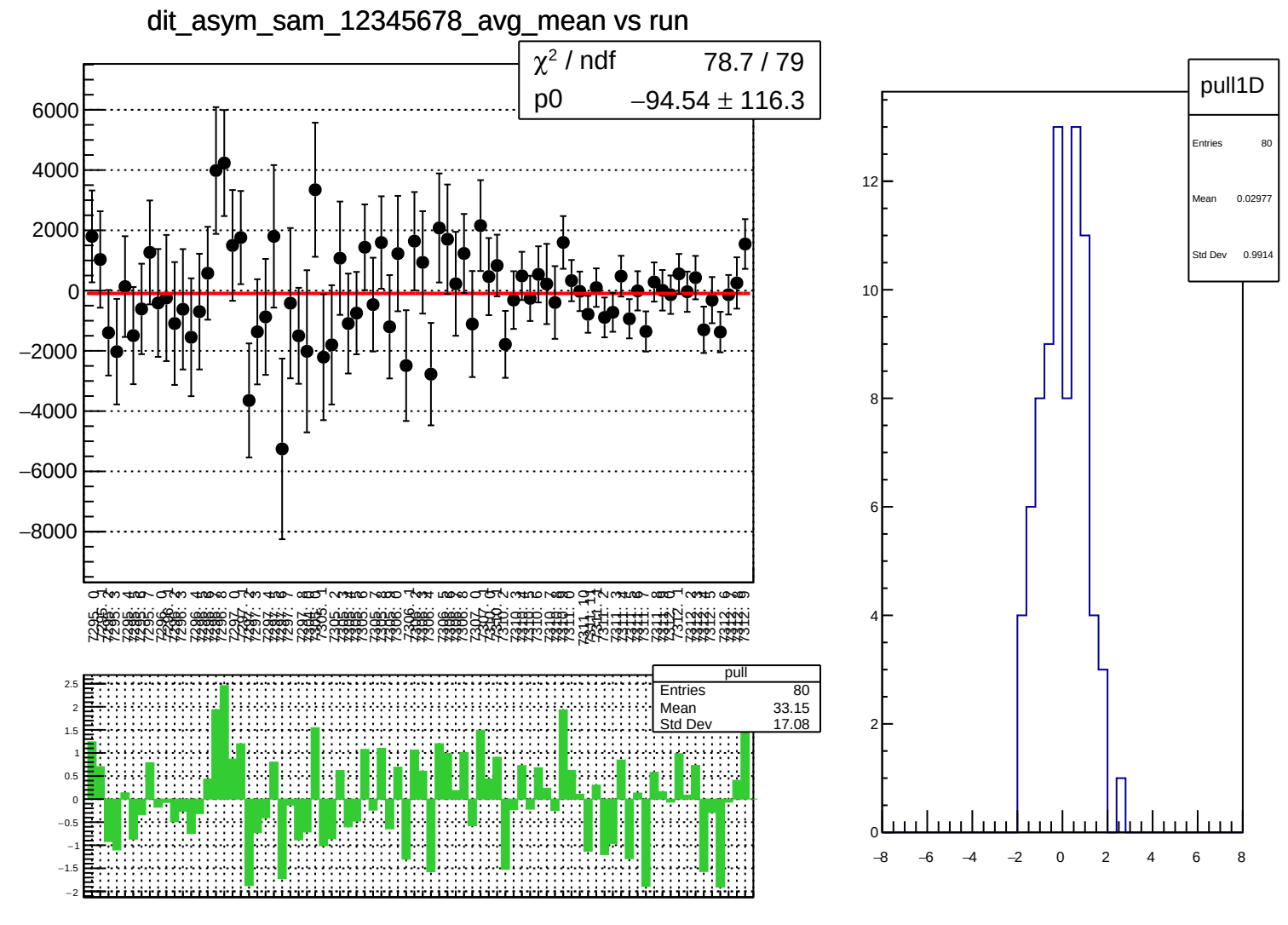

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 95.49 / 79
p0 269.7 ± 168.7
pull
Entries 80
Mean −263.9
Std Dev 309.9

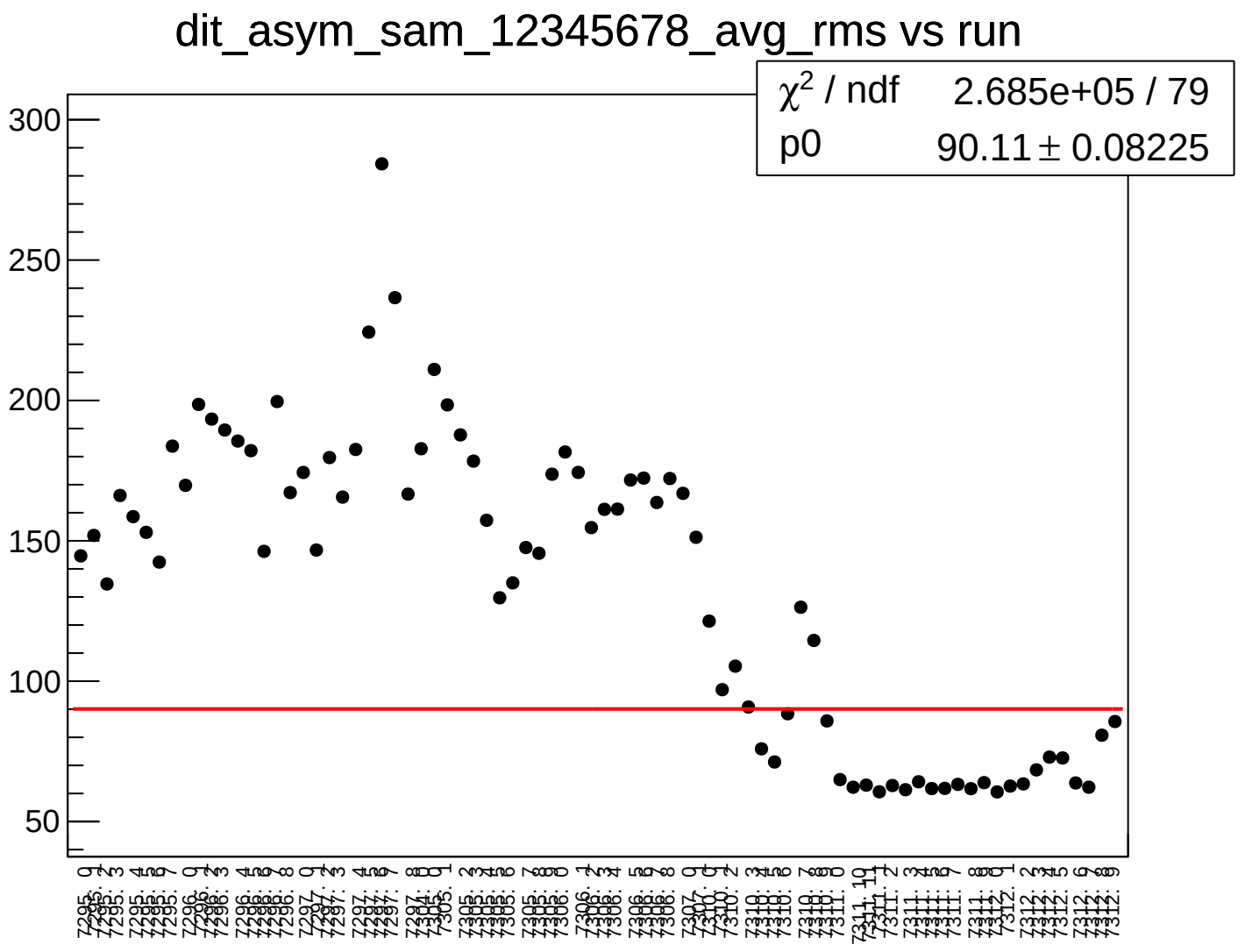

pull1D
Entries 80
Mean −0.01237
Std Dev 1.092

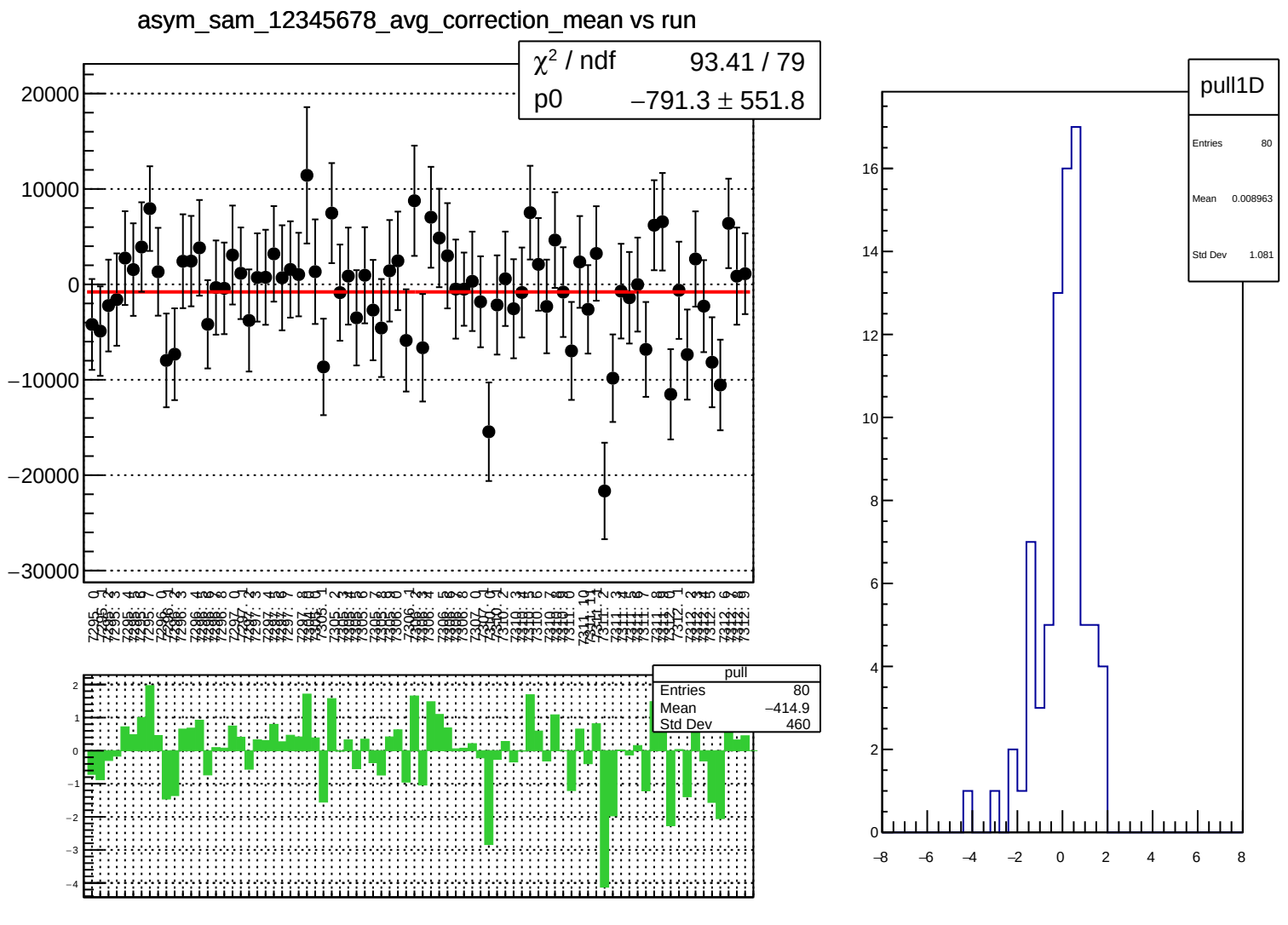

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3918 / 79
p0 144.3 ± 0.1193
170
165
160
155
150
145
140
135
130
125

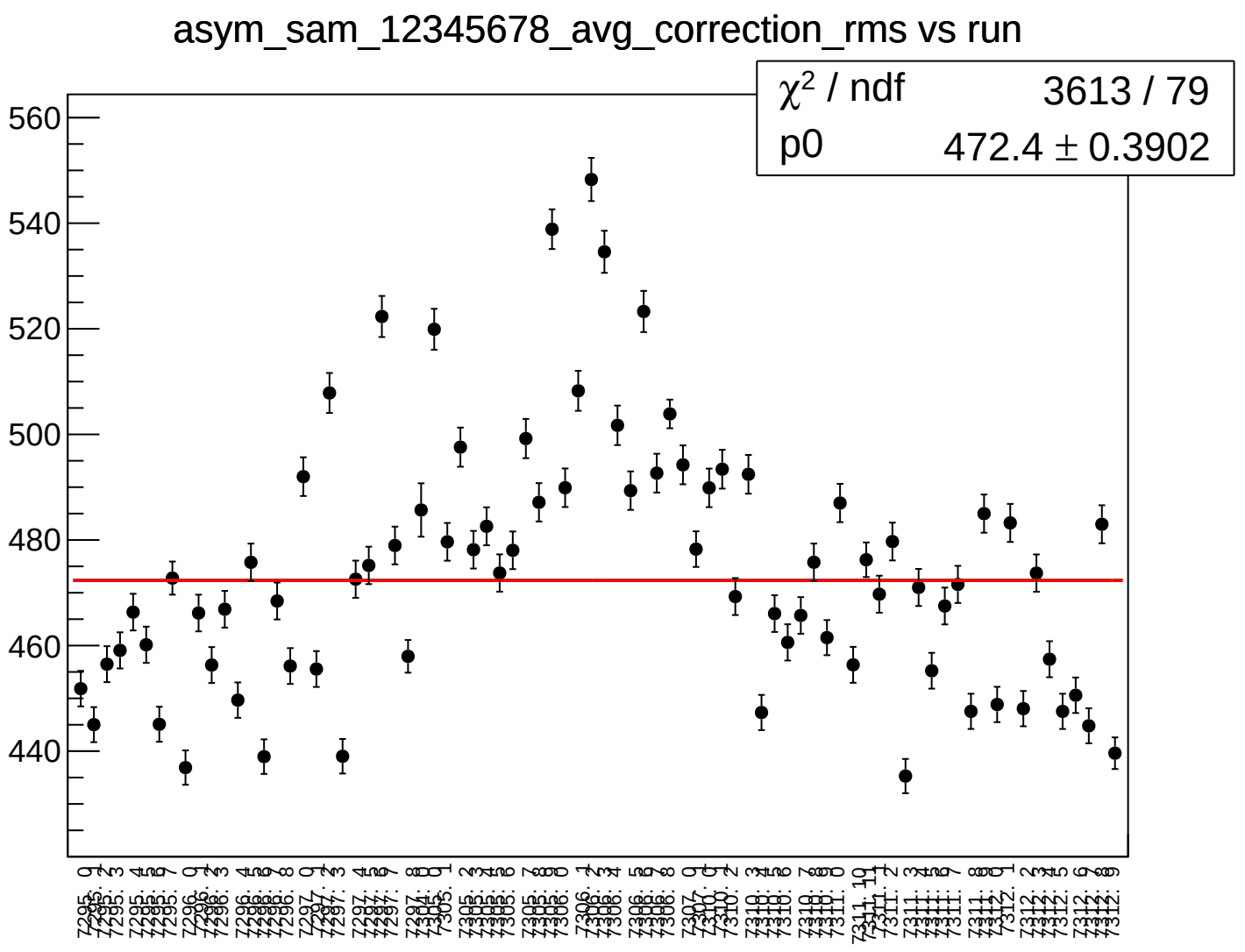

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 97.44 / 79
p0 −286.9 ± 181.2
pull
Entries 80
Mean −174.3
Std Dev 217.9
pull1D
Entries 80
Mean 0.01914
Std Dev 1.103

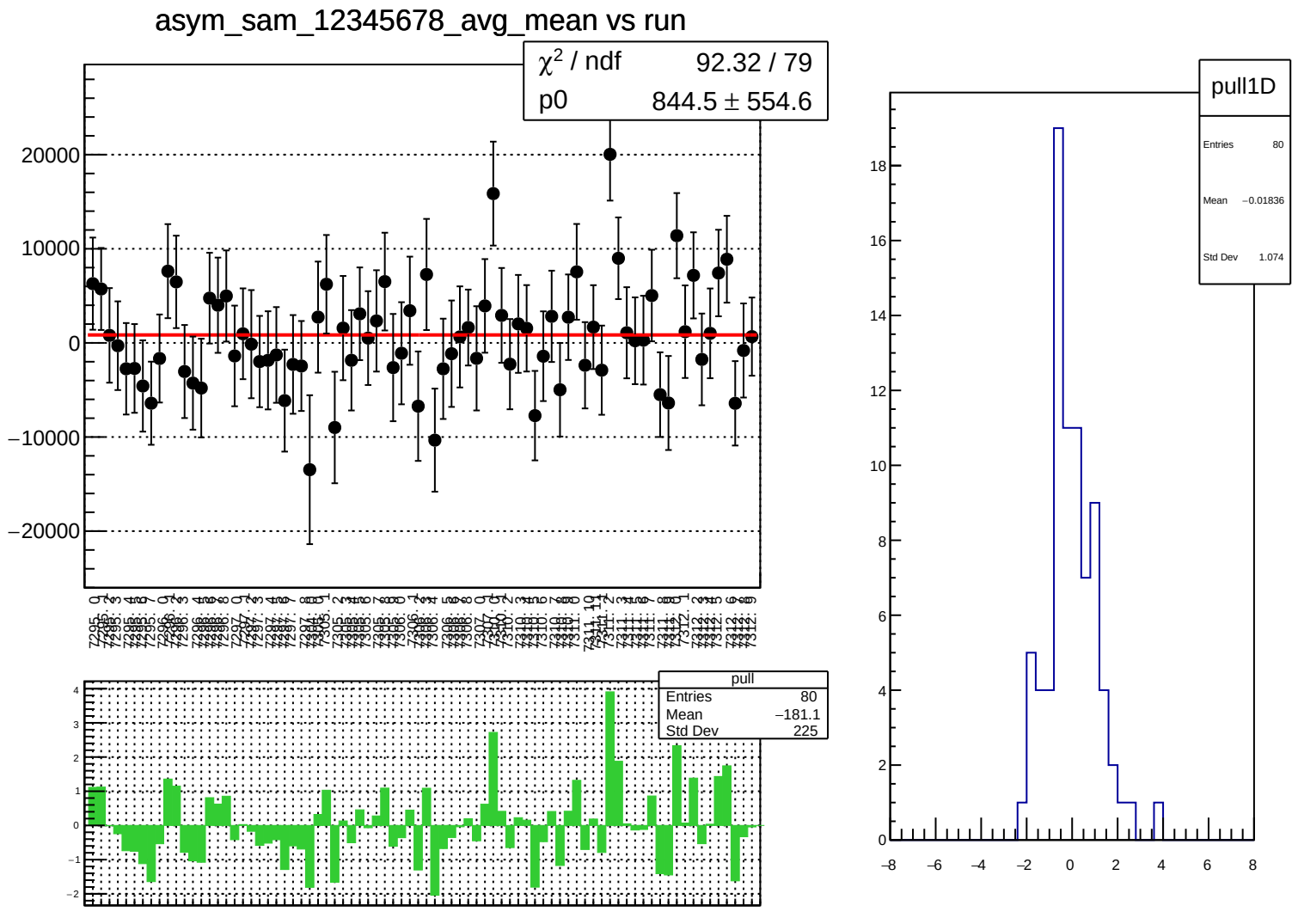

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7879 / 79
p0 154.8 ± 0.1281
190
180
170
160
150
140
130

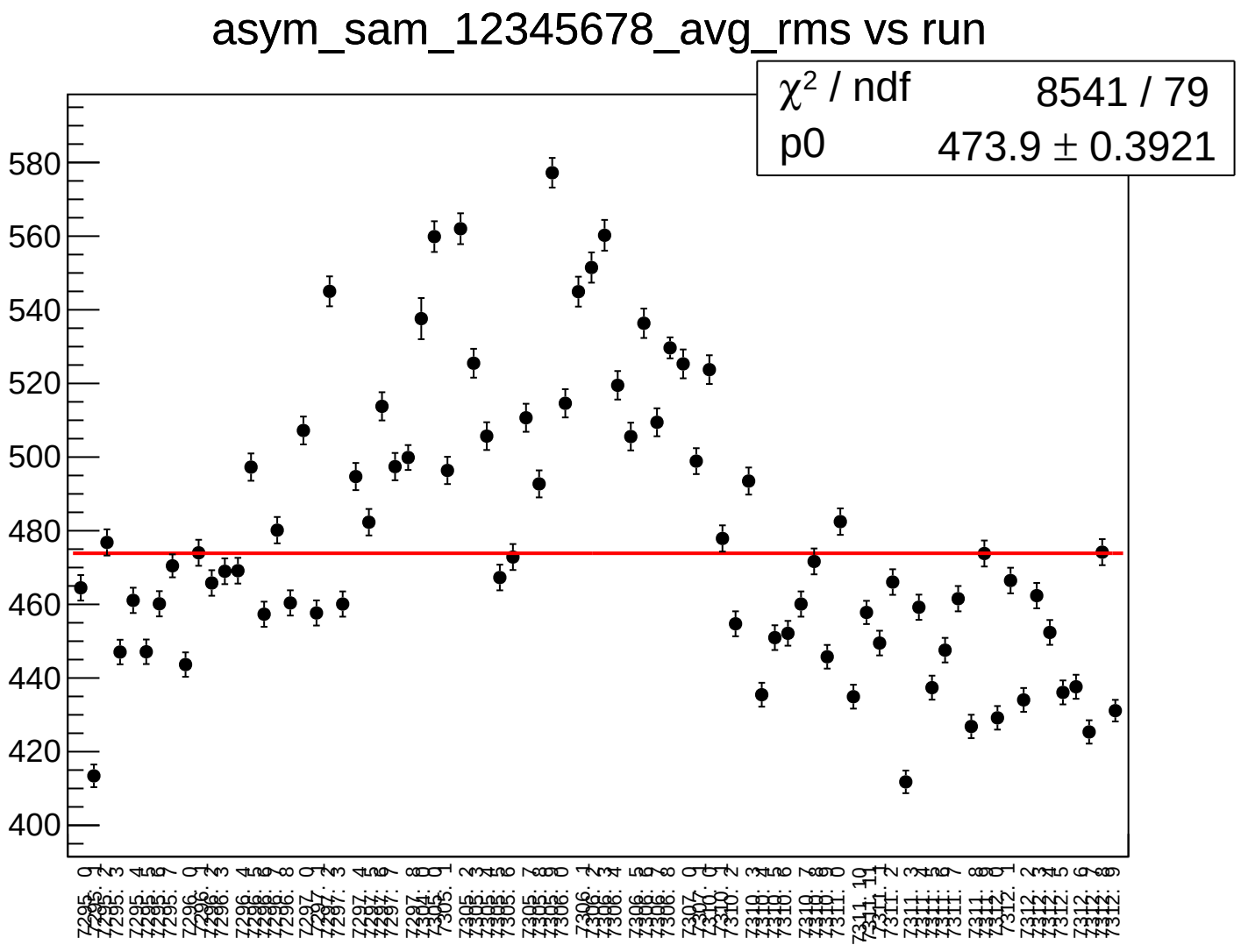

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 78.7 / 79
p0 −94.54 ± 116.3
pull
Entries 80
Mean 33.15
Std Dev 17.08
pull1D
Entries 80
Mean 0.02977
Std Dev 0.9914

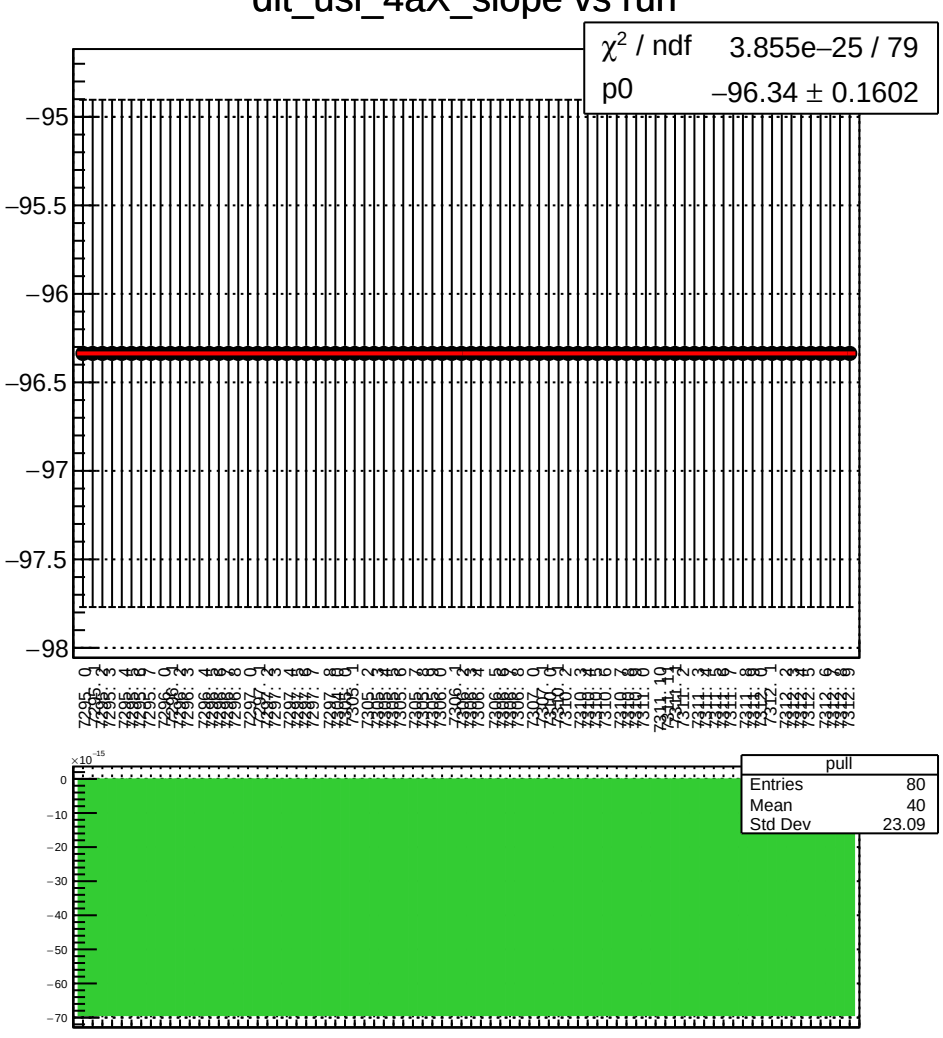

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.685e+05 / 79
p0 90.11 ± 0.08225
300
250
200
150
100
50

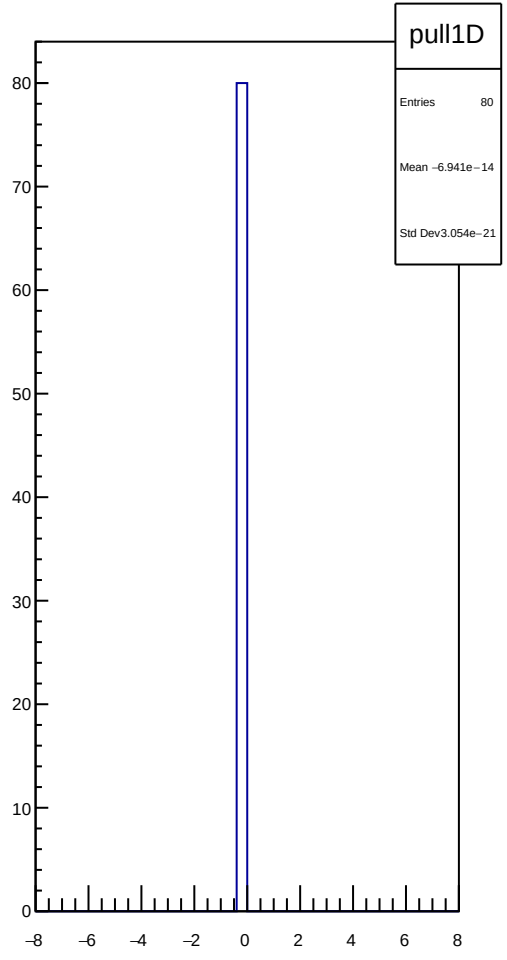

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 93.41 / 79
p0 −791.3 ± 551.8
pull
Entries 80
Mean −414.9
Std Dev 460
pull1D
Entries 80
Mean 0.008963
Std Dev 1.081

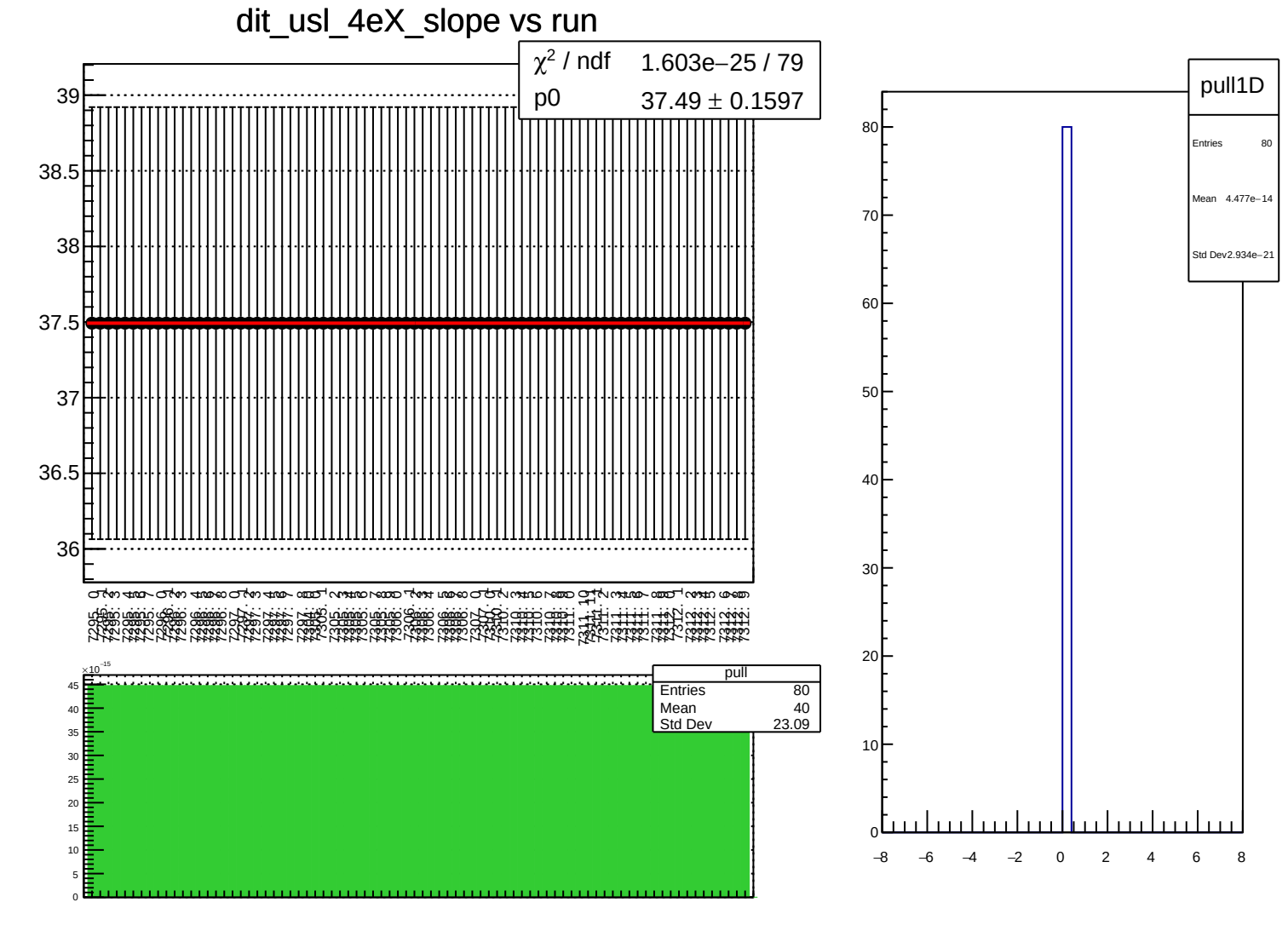

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3613 / 79
p0 472.4 ± 0.3902
560
540
520
500
480
460
440

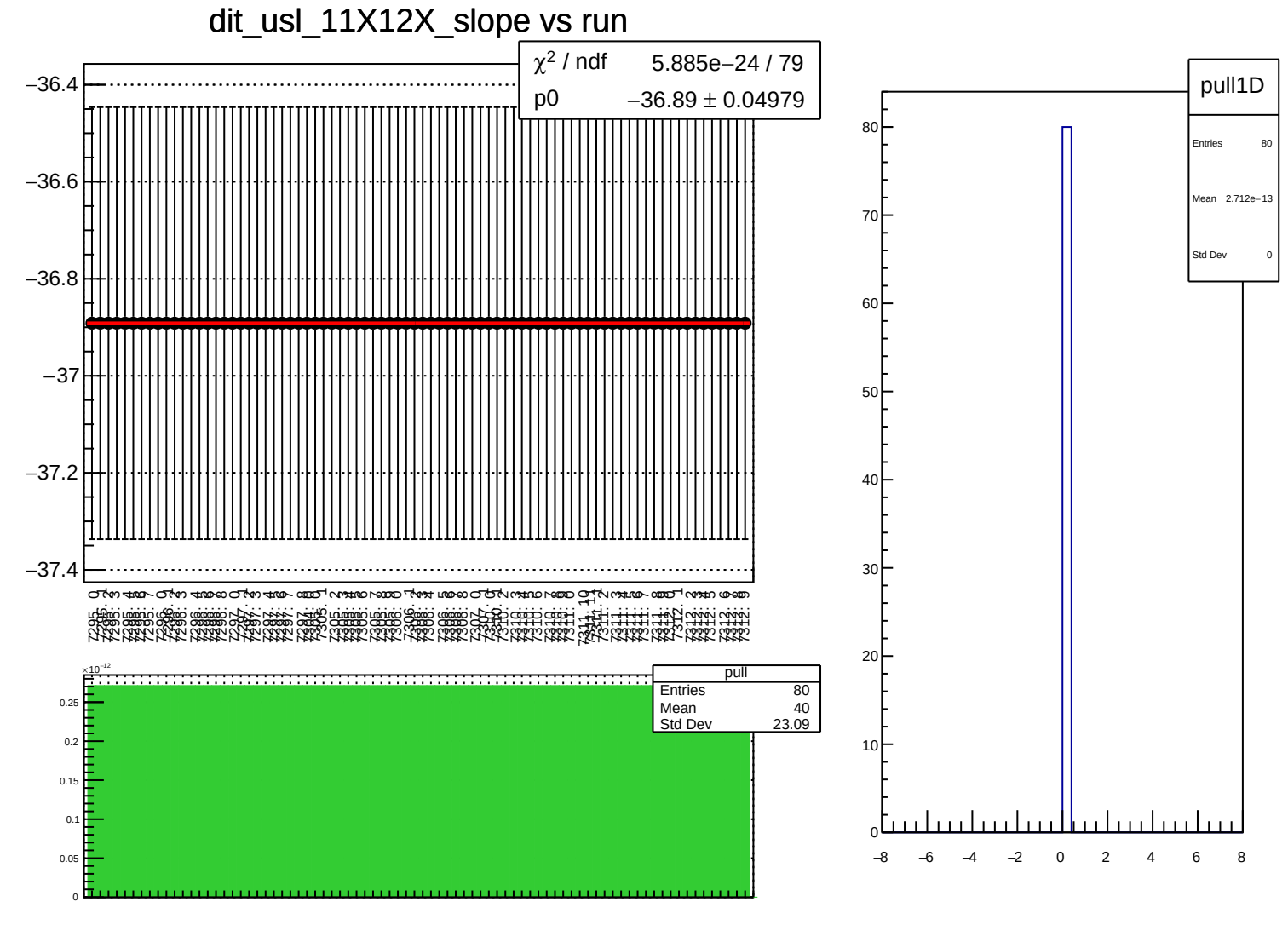

asym_sam_12345678_avg_mean vs run
χ² / ndf 92.32 / 79
p0 844.5 ± 554.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −181.1
Std Dev 225
pull1D
Entries 80
Mean −0.01836
Std Dev 1.074

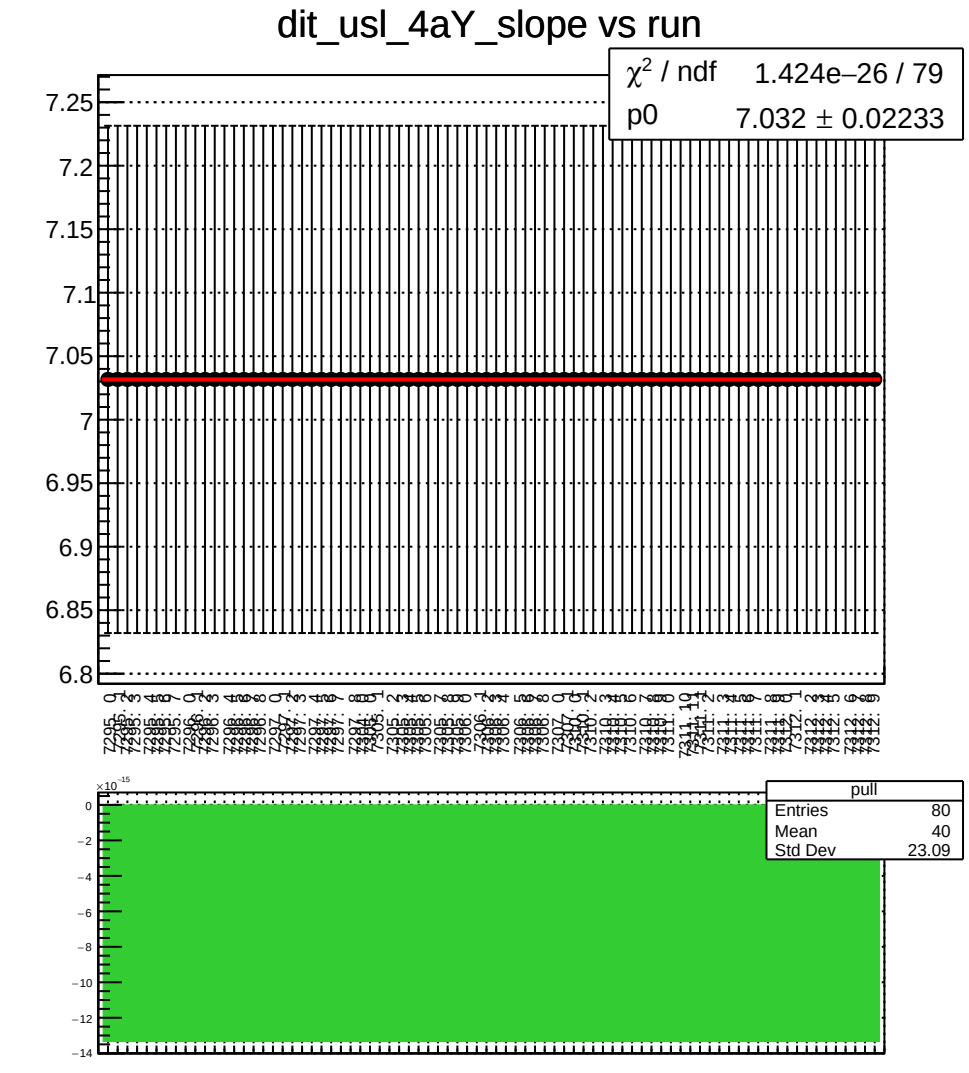

asym_sam_12345678_avg_rms vs run
χ² / ndf 8541 / 79
p0 473.9 ± 0.3921
580
560
540
520
500
480
460
440
420
400

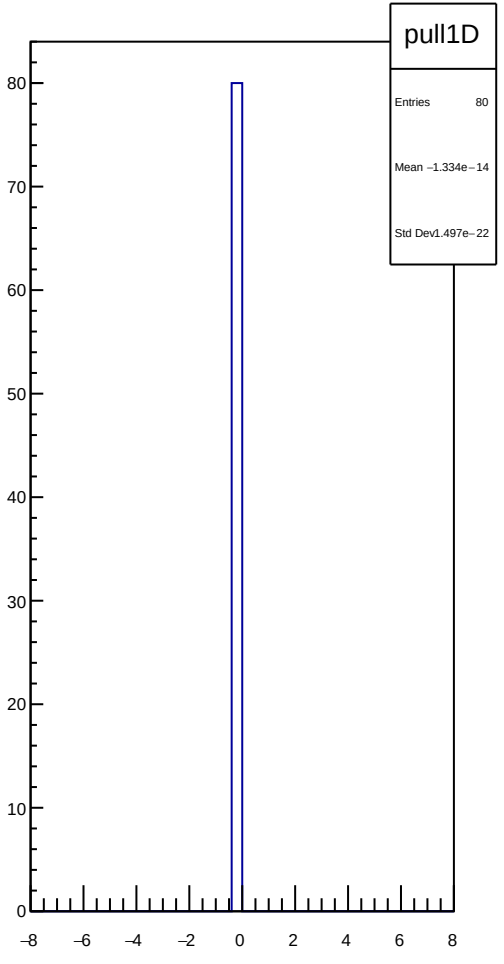

dit_usl_4aX_slope vs run
χ^2 / ndf 3.855e−25 / 79
p0 −96.34 ± 0.1602
−95
−95.5
−96
−96.5
−97
−97.5
−98
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

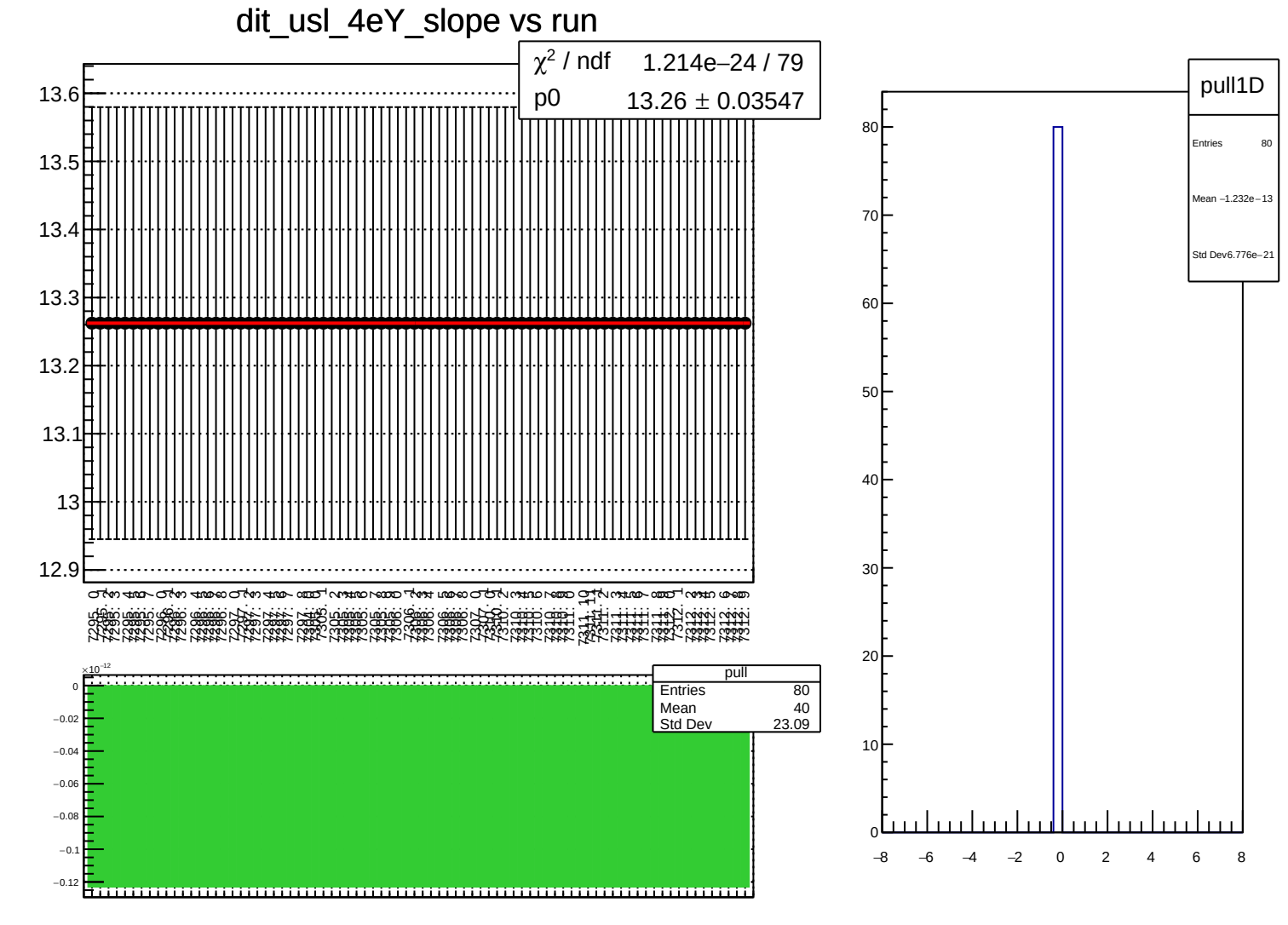

pull1D
Entries 80
Mean −6.941e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

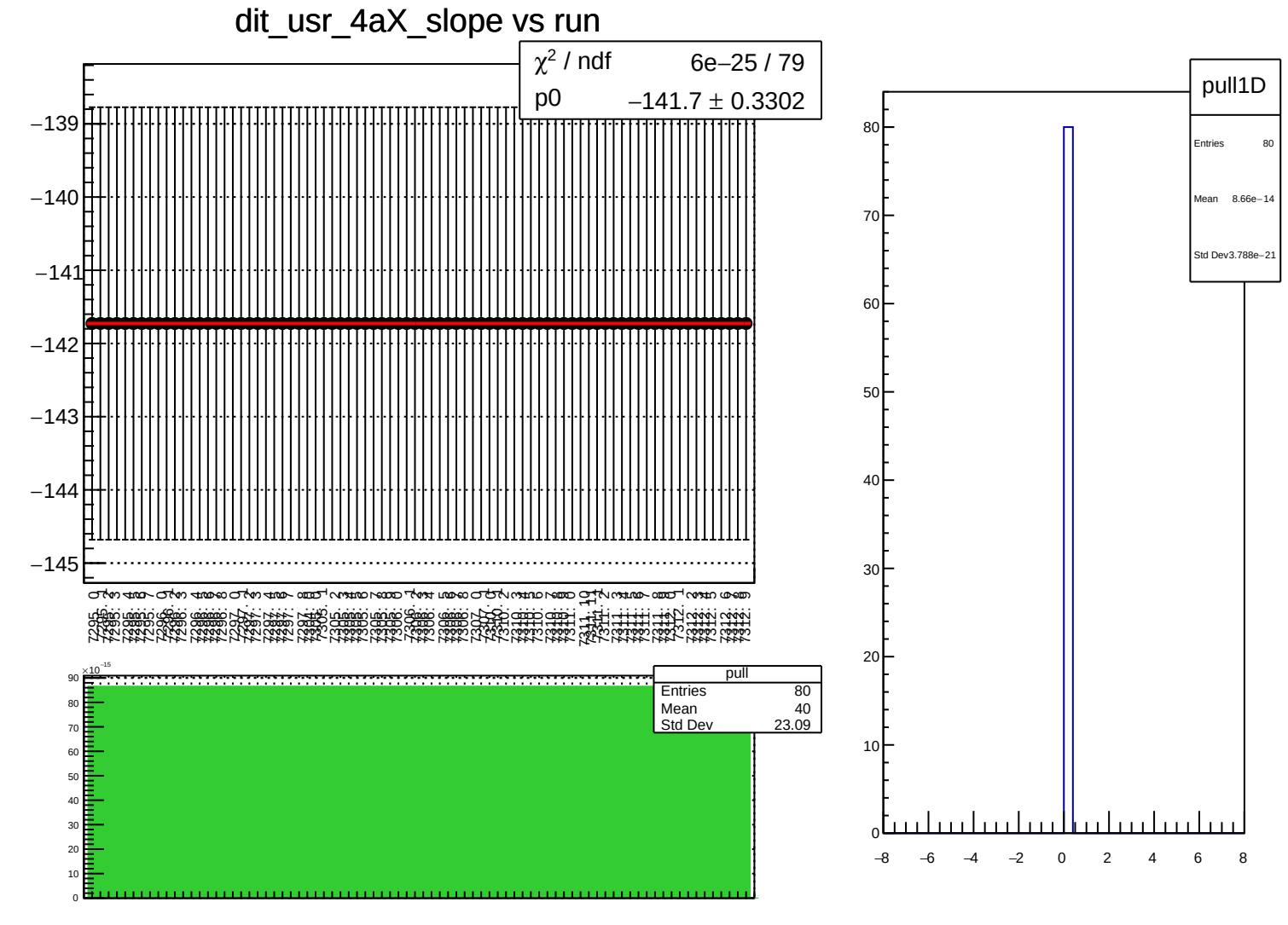

dit_usl_4eX_slope vs run
χ^2 / ndf 1.603e−25 / 79
p0 37.49 ± 0.1597
39
38.5
38
37.5
37
36.5
36
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 4.477e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

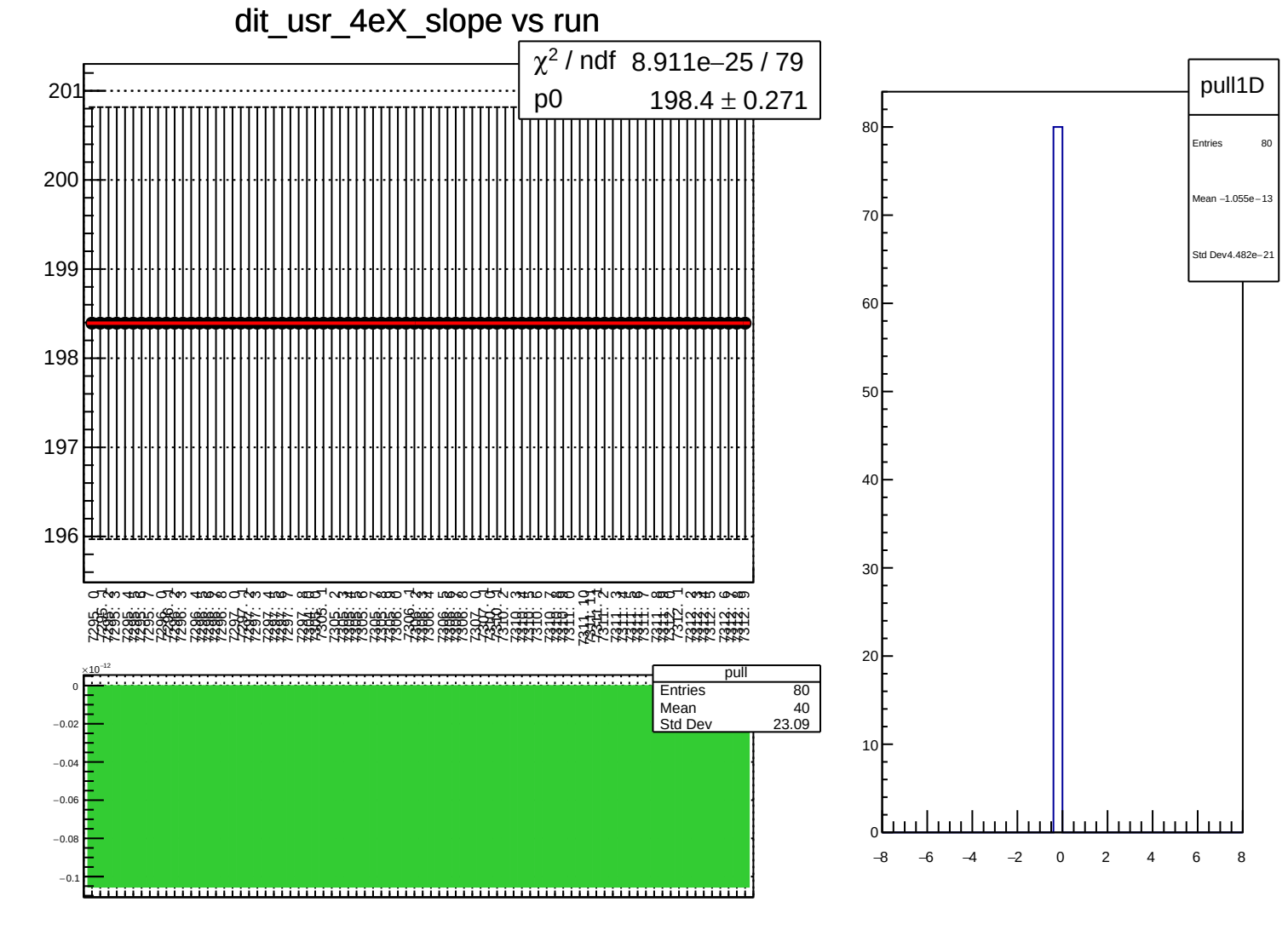

dit_usl_11X12X_slope vs run
χ² / ndf 5.885e−24 / 79
p0 −36.89 ± 0.04979
−36.4
−36.6
−36.8
−37
−37.2
−37.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 2.712e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

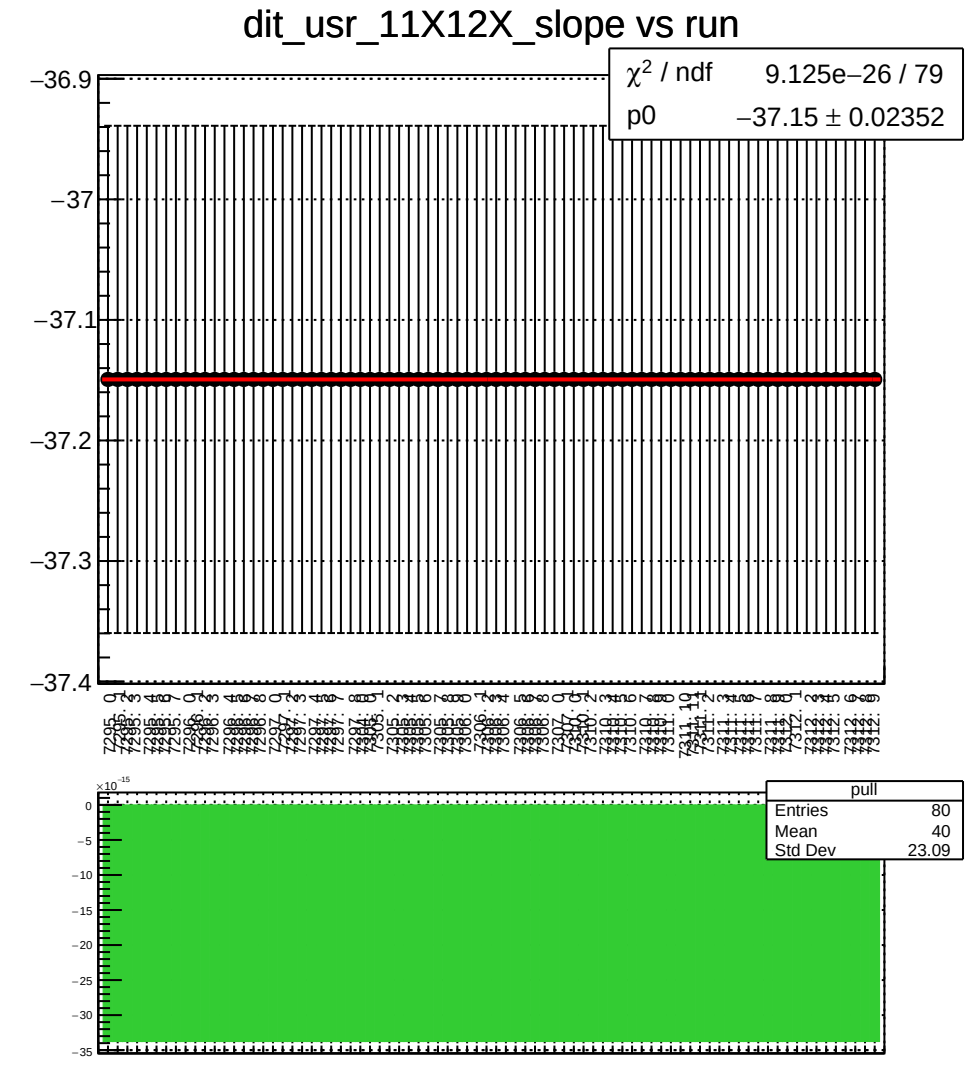

dit_usl_4aY_slope vs run
χ² / ndf 1.424e−26 / 79
p0 7.032 ± 0.02233
pull
Entries 80
Mean 40
Std Dev 23.09

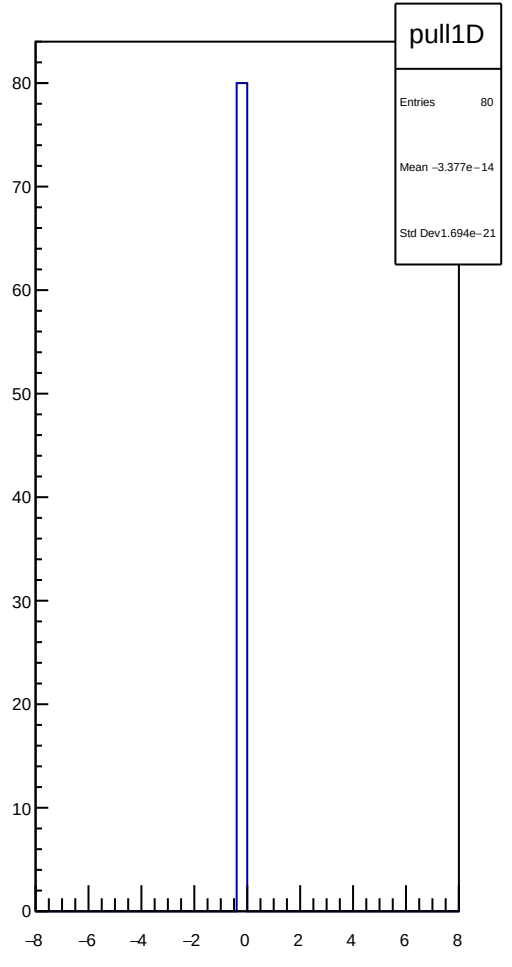

pull1D
Entries 80
Mean −1.334e−14
Std Dev1.497e−22

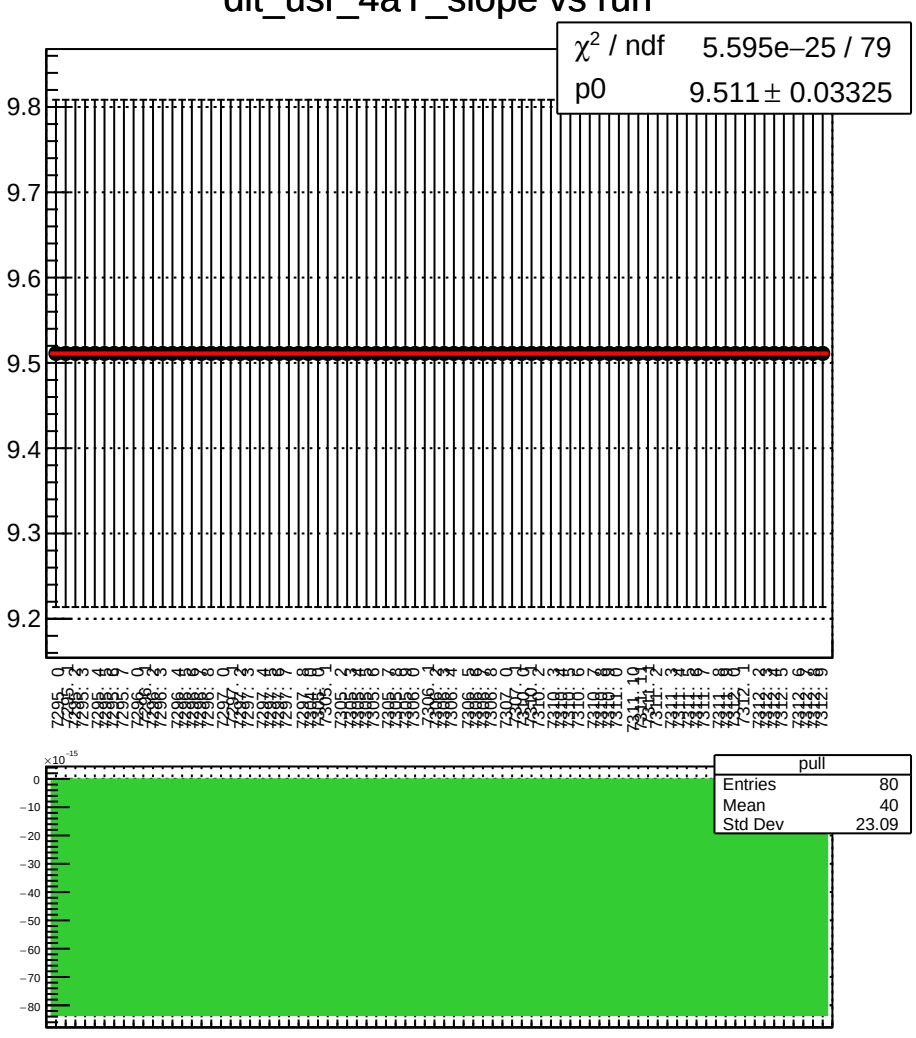

dit_usl_4eY_slope vs run
χ² / ndf 1.214e−24 / 79
p0 13.26 ± 0.03547
13.6
13.5
13.4
13.3
13.2
13.1
13
12.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.232e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

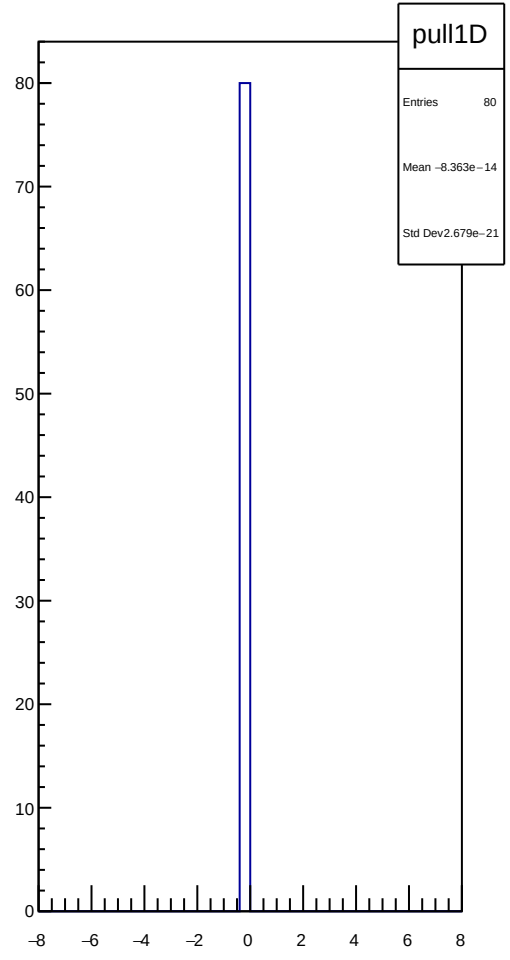

dit_usr_4aX_slope vs run
χ² / ndf 6e−25 / 79
p0 −141.7 ± 0.3302
−139
−140
−141
−142
−143
−144
−145
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 8.66e−14
Std Dev3.788e−21

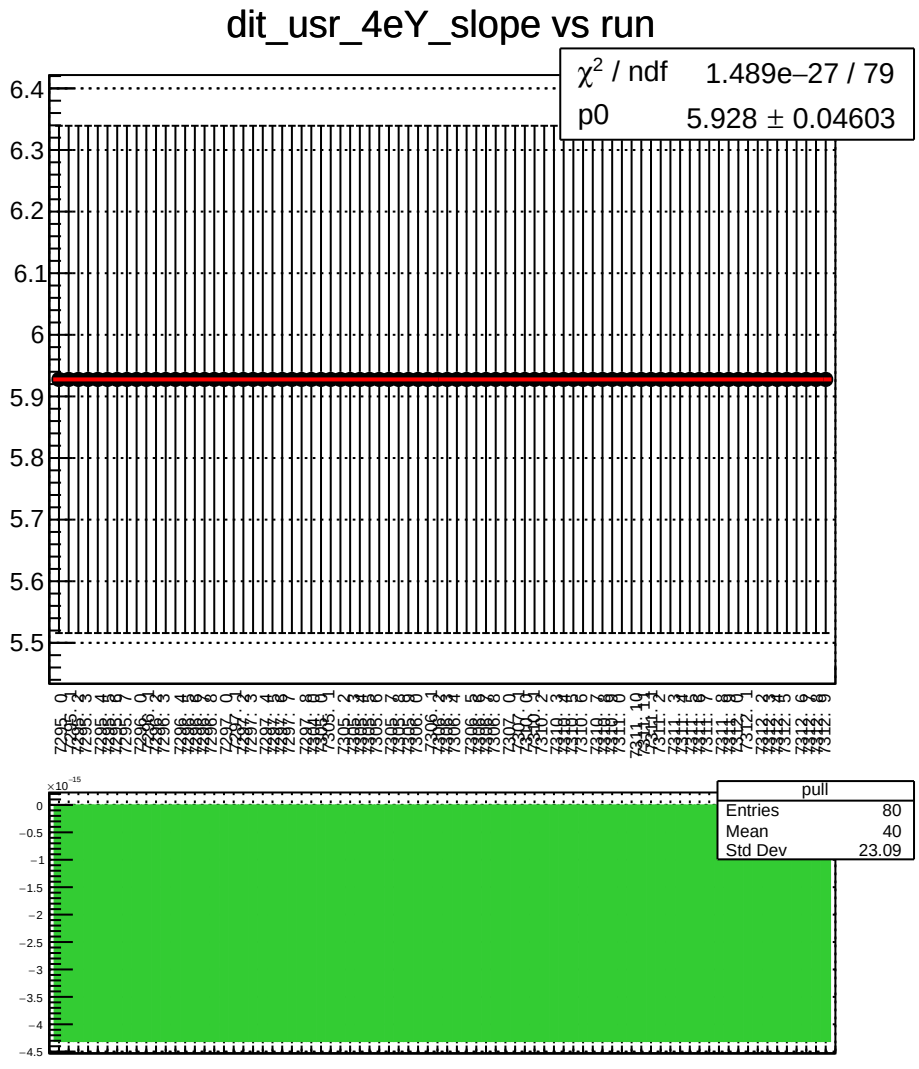

dit_usr_4eX_slope vs run
χ² / ndf 8.911e−25 / 79
p0 198.4 ± 0.271
201
200
199
198
197
196
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.055e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

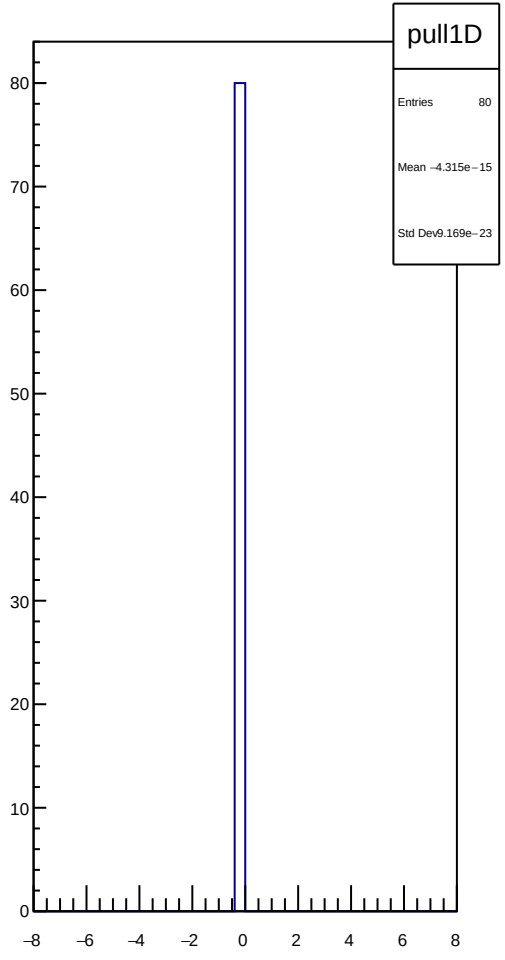

dit_usr_11X12X_slope vs run
χ² / ndf 9.125e−26 / 79
p0 −37.15 ± 0.02352
−36.9
−37
−37.1
−37.2
−37.3
−37.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

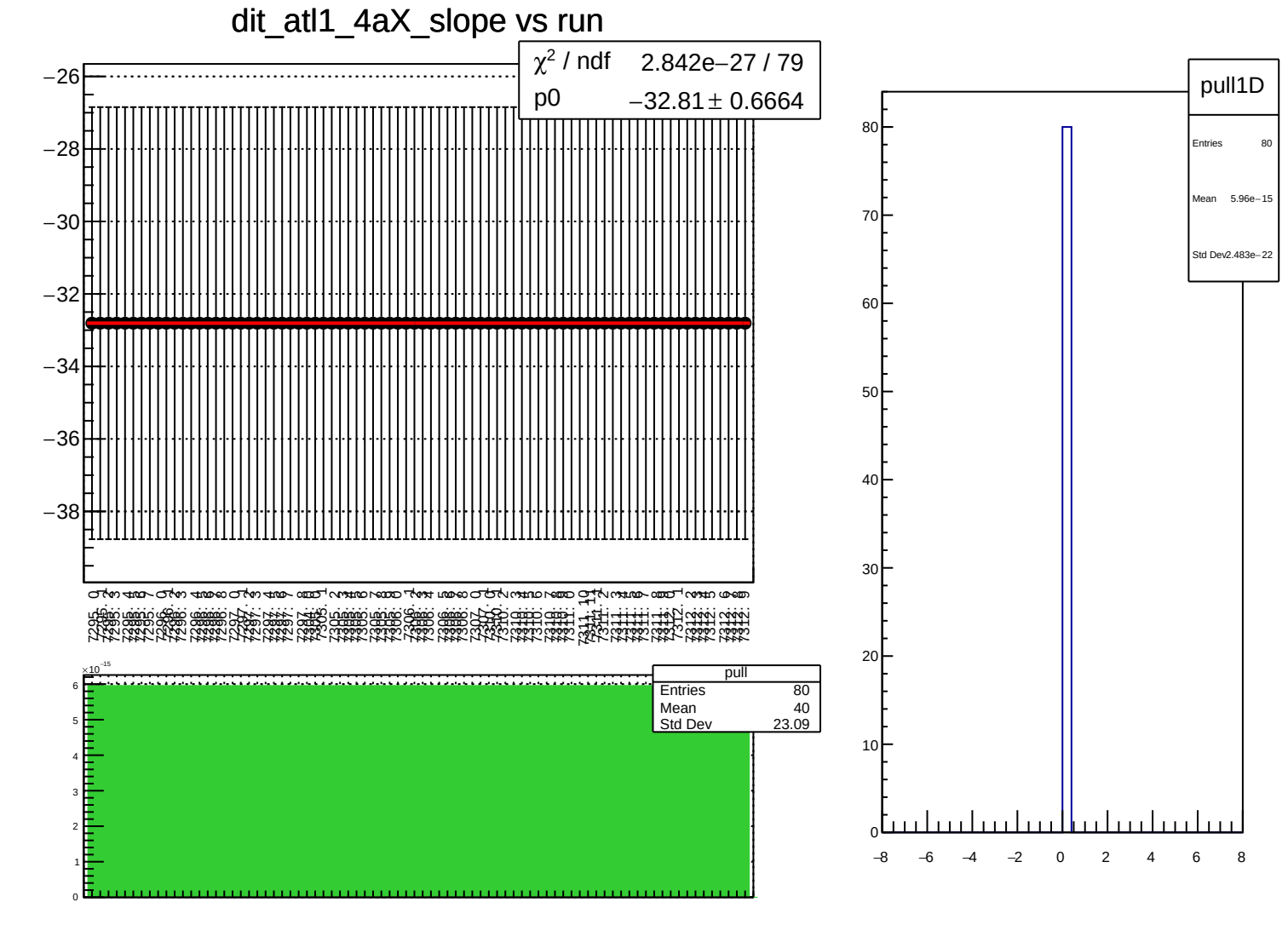

pull1D
Entries 80
Mean −3.377e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

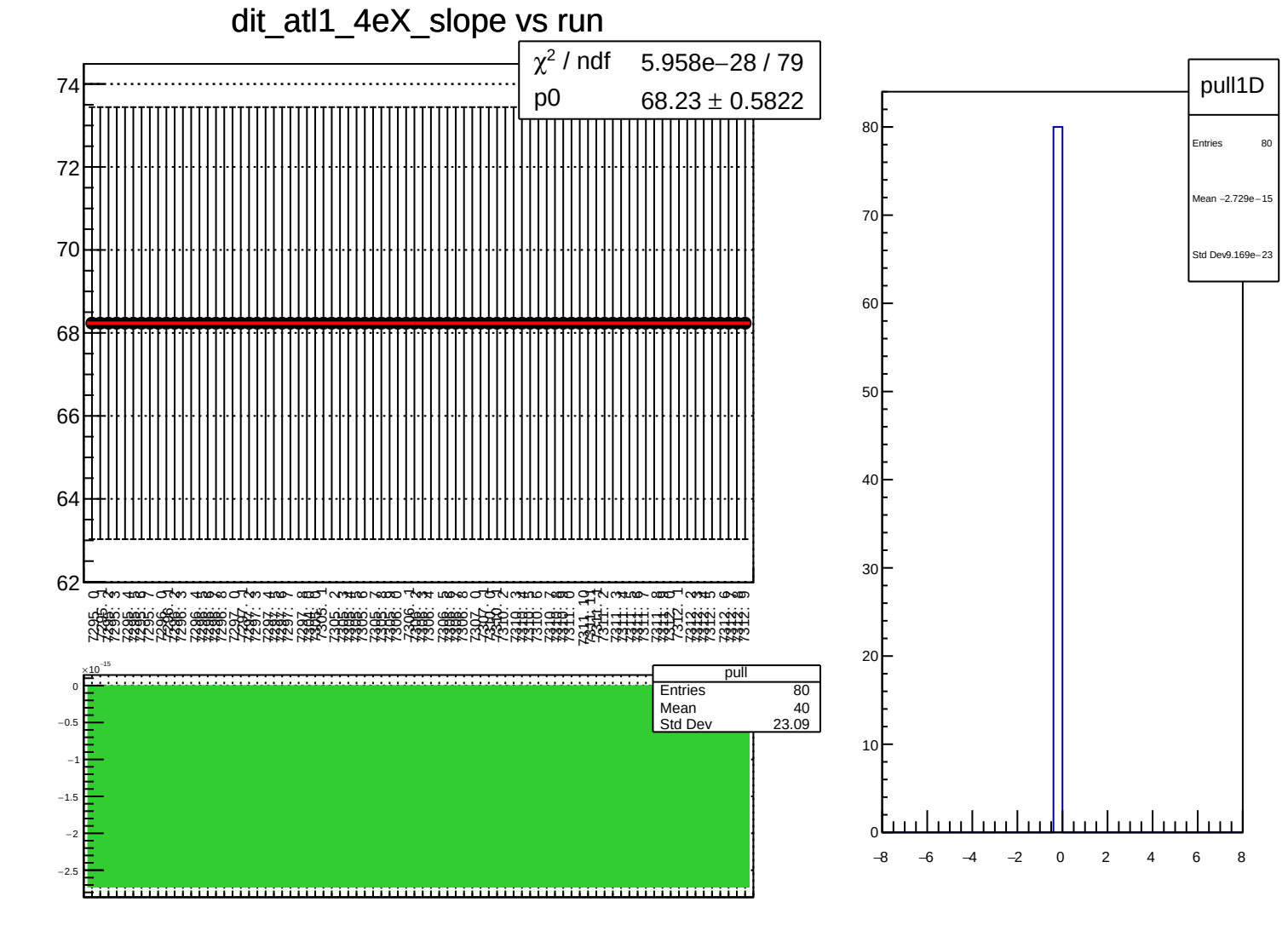

dit_usr_4aY_slope vs run
χ² / ndf 5.595e−25 / 79
p0 9.511 ± 0.03325
9.8
9.7
9.6
9.5
9.4
9.3
9.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

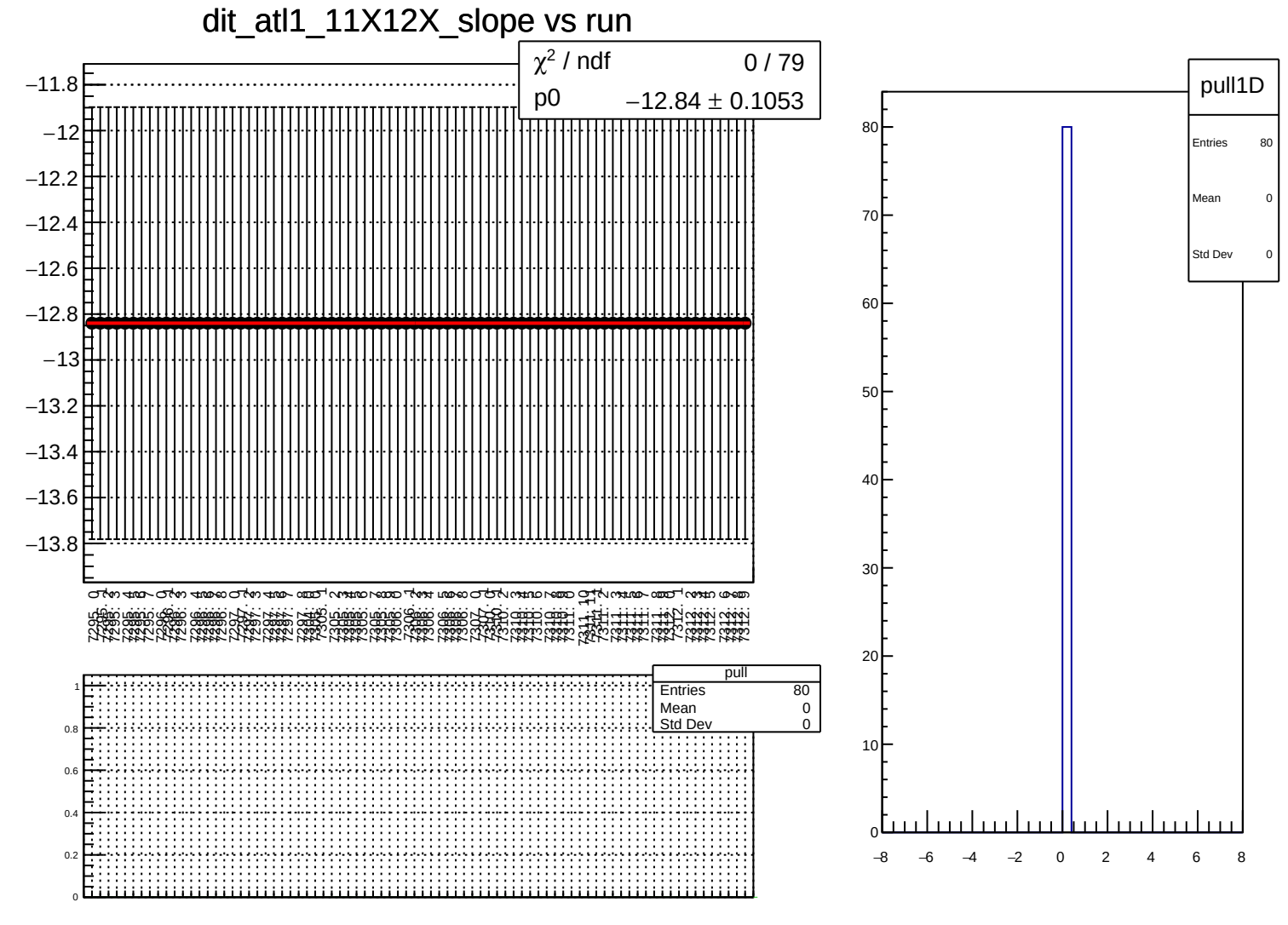

pull1D
Entries 80
Mean −8.363e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

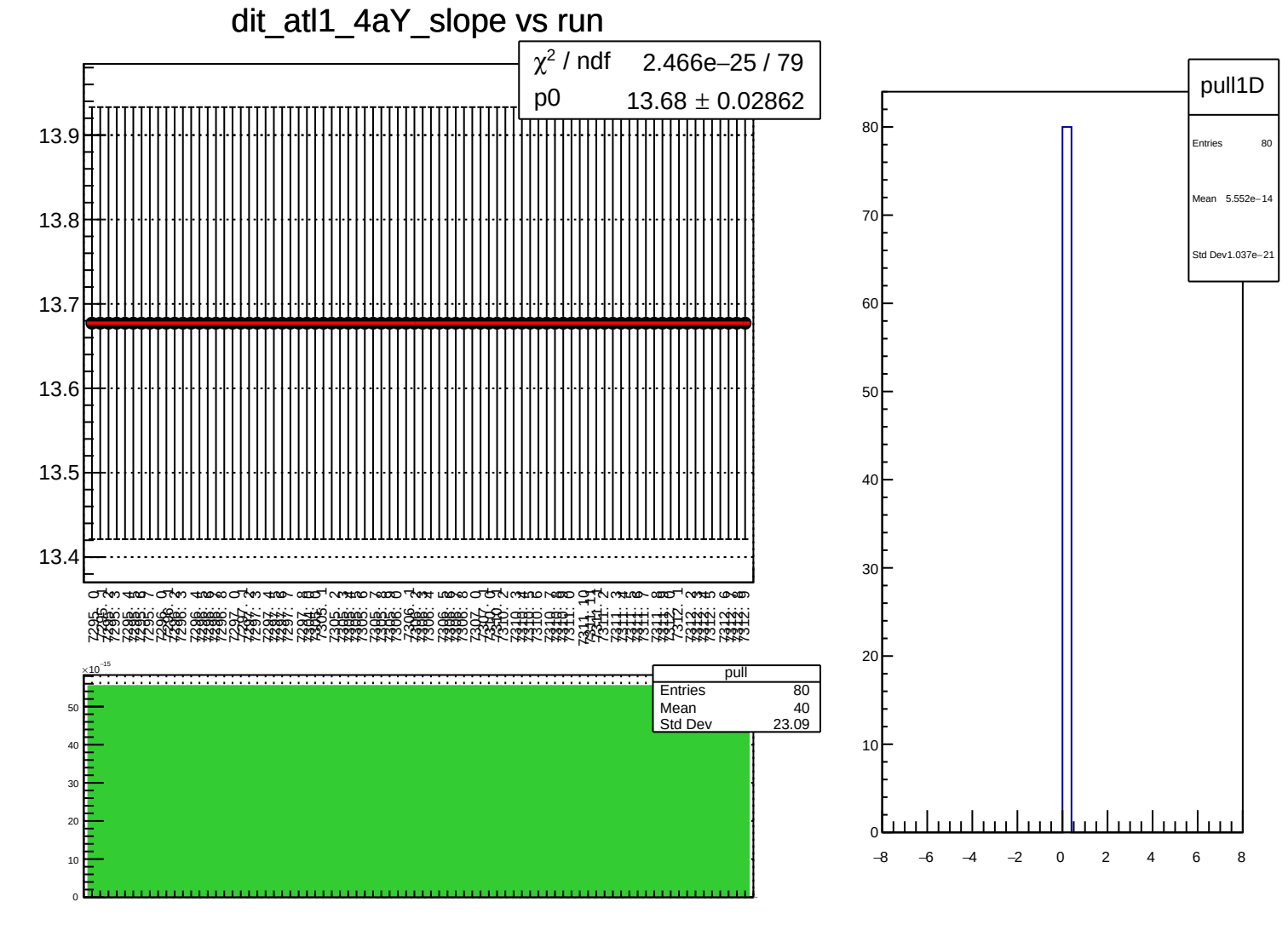

dit_usr_4eY_slope vs run
χ² / ndf 1.489e−27 / 79
p0 5.928 ± 0.04603
pull
Entries 80
Mean 40
Std Dev 23.09

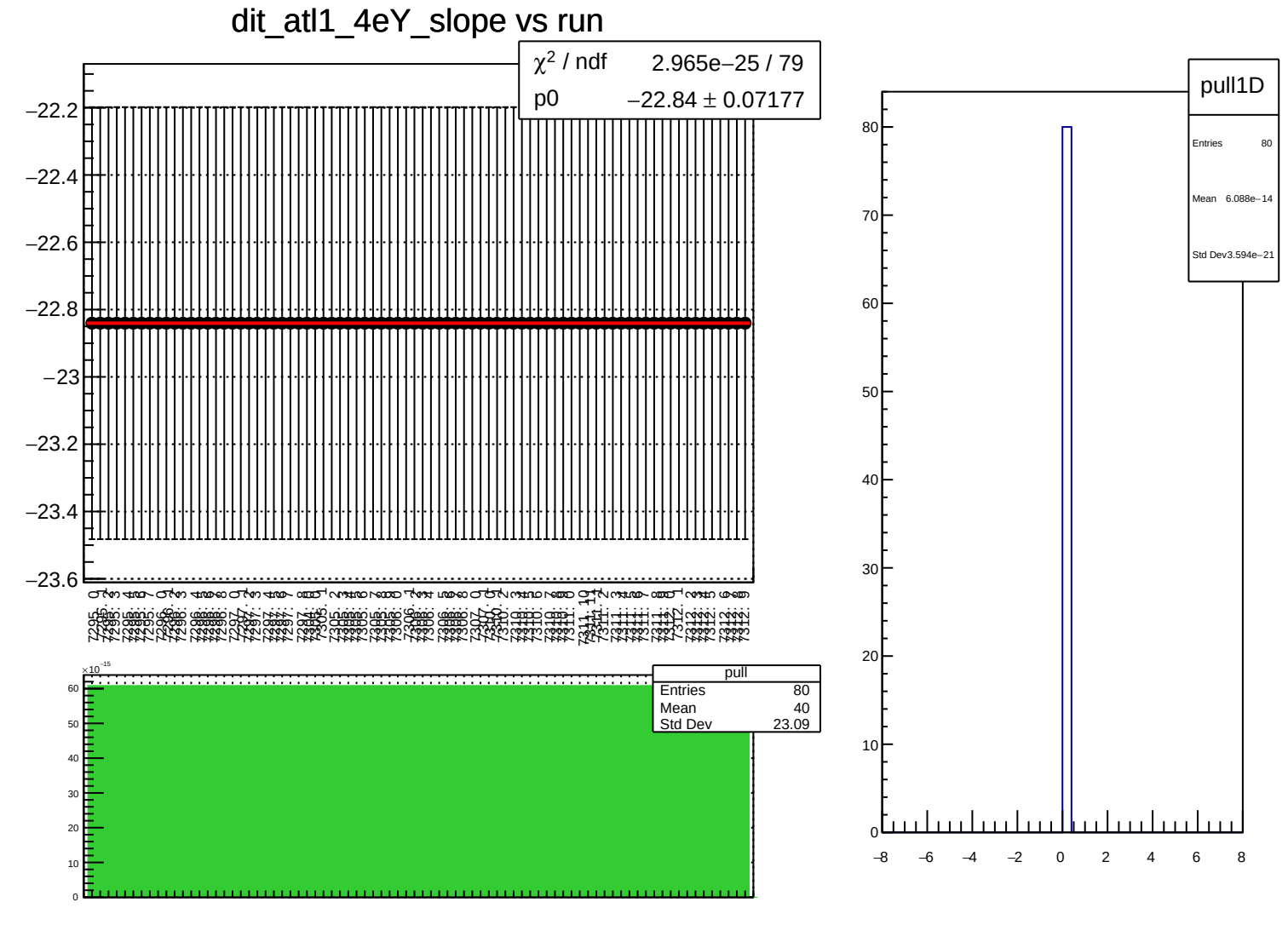

pull1D
Entries 80
Mean −4.315e−15
Std Dev 9.169e−23

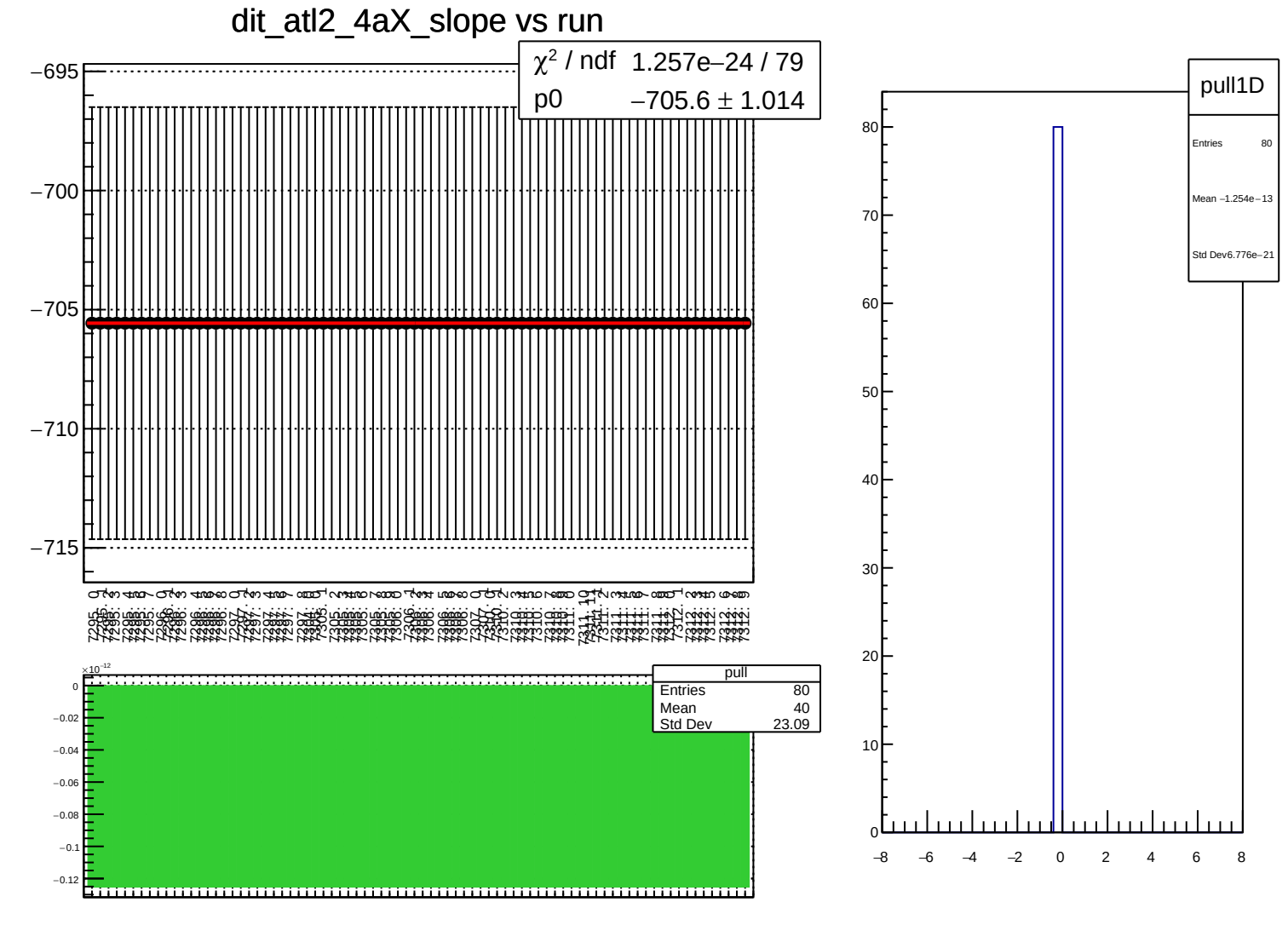

dit_atl1_4aX_slope vs run
χ² / ndf 2.842e−27 / 79
p0 −32.81 ± 0.6664
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.96e−15
Std Dev 2.483e−22

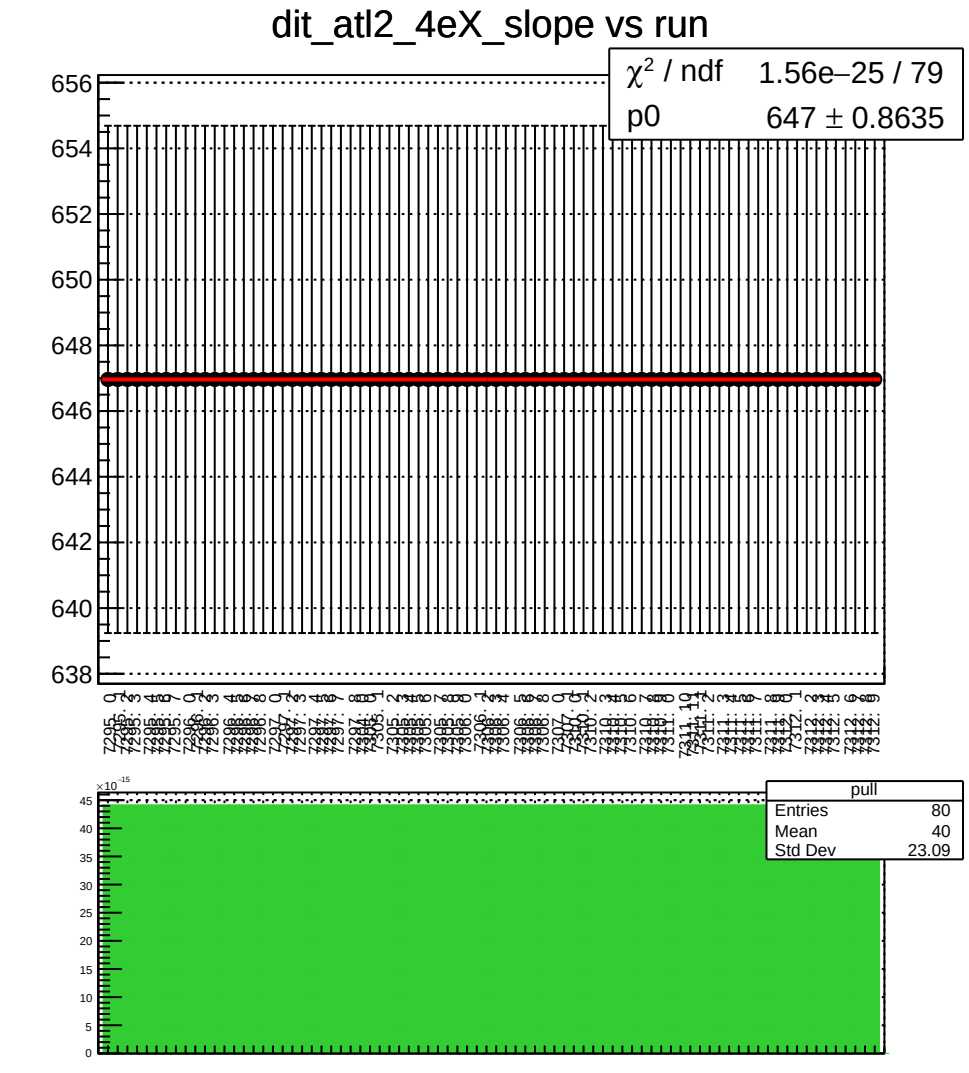

dit_atl1_4eX_slope vs run
χ^2 / ndf 5.958e−28 / 79
p0 68.23 ± 0.5822
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.729e−15
Std Dev9.169e−23

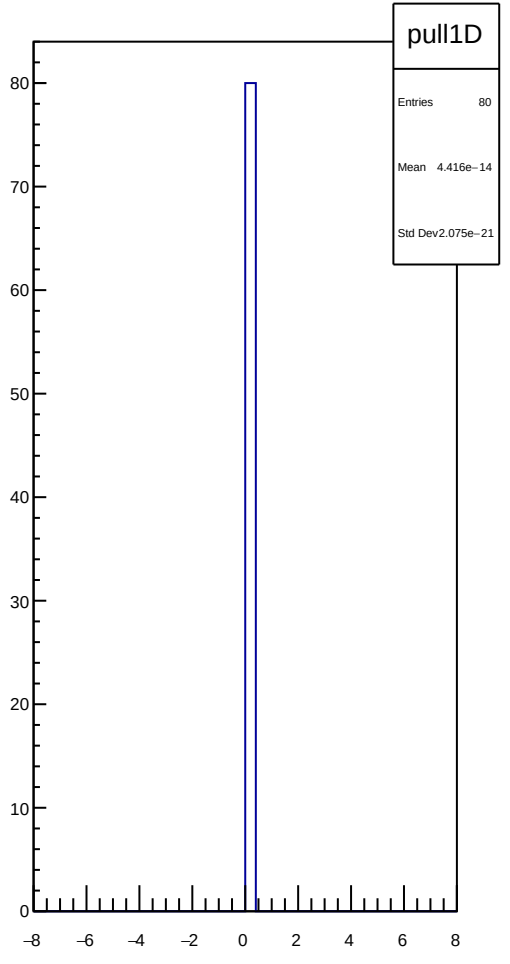

dit_atl1_11X12X_slope vs run
χ^2 / ndf 0 / 79
p0 −12.84 ± 0.1053
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

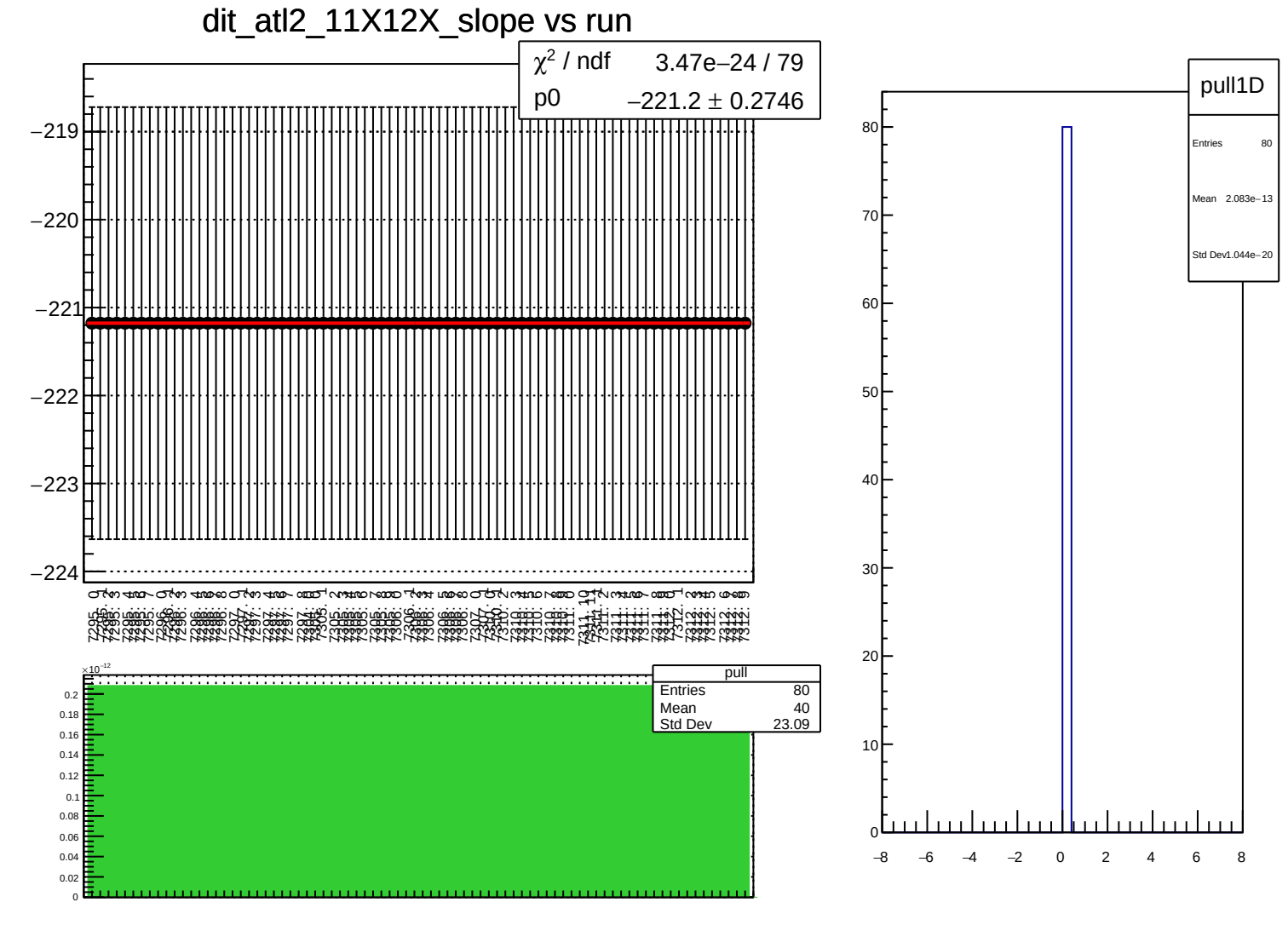

dit_atl1_4aY_slope vs run
χ² / ndf 2.466e−25 / 79
p0 13.68 ± 0.02862
13.9
13.8
13.7
13.6
13.5
13.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.552e−14
Std Dev1.037e−21

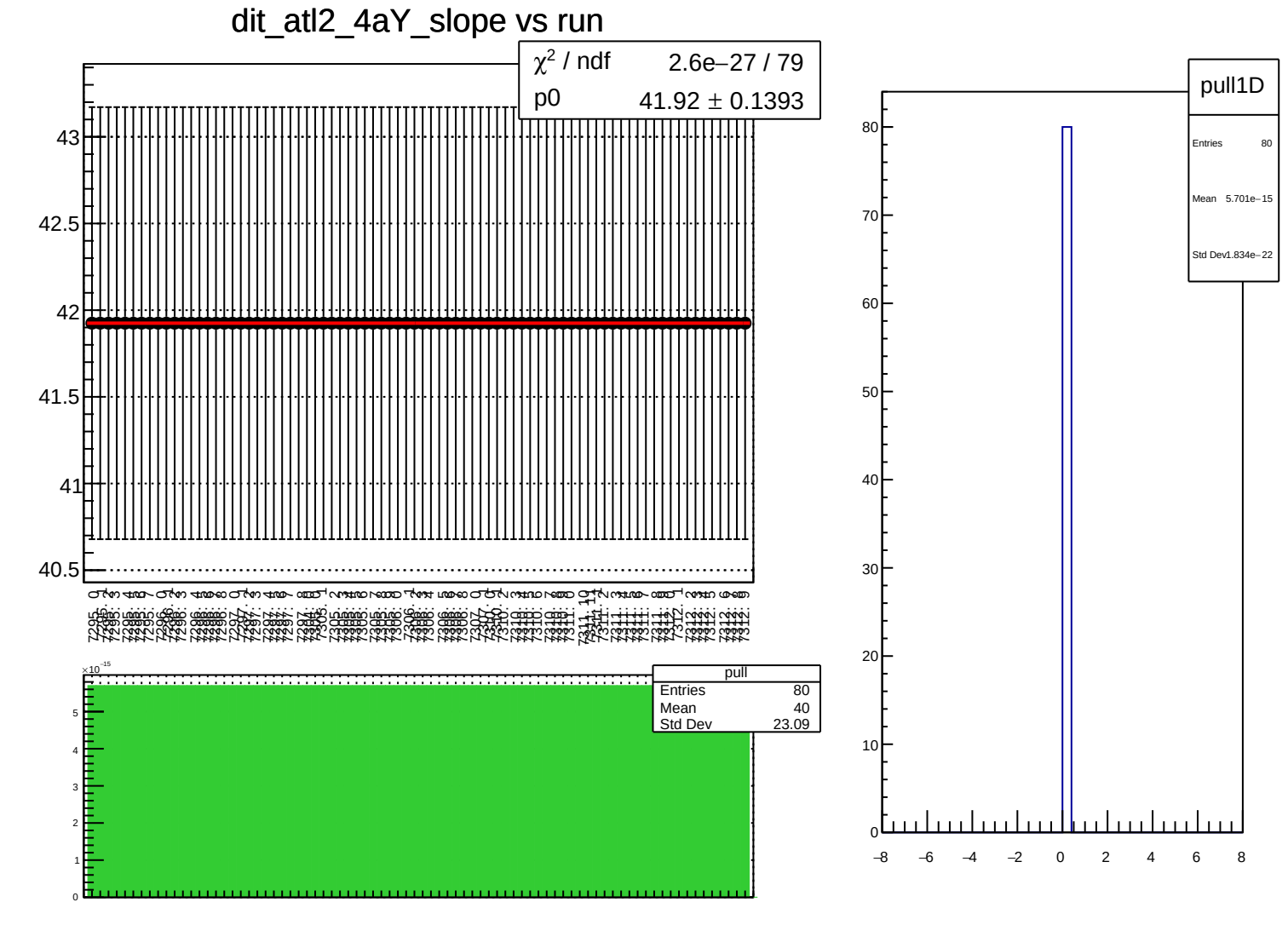

dit_atl1_4eY_slope vs run
χ² / ndf 2.965e−25 / 79
p0 −22.84 ± 0.07177
−22.2
−22.4
−22.6
−22.8
−23
−23.2
−23.4
−23.6
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.088e−14
Std Dev3.594e−21

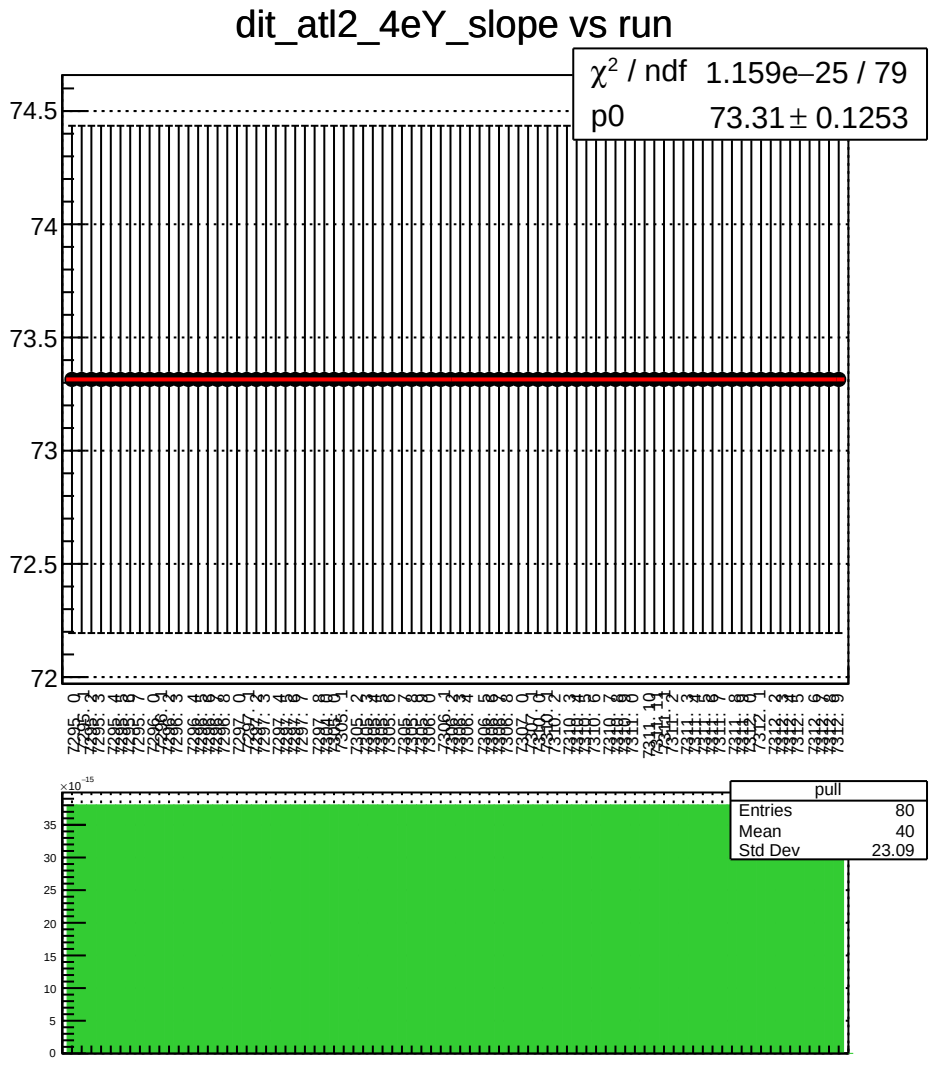

dit_atl2_4aX_slope vs run
χ² / ndf 1.257e−24 / 79
p0 −705.6 ± 1.014
−695
−700
−705
−710
−715
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.254e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

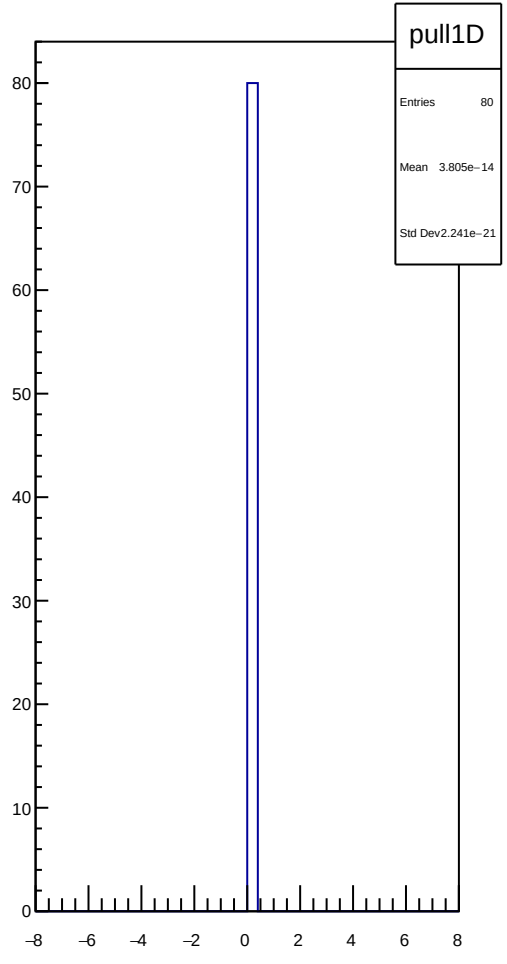

dit_atl2_4eX_slope vs run
χ² / ndf 1.56e−25 / 79
p0 647 ± 0.8635
pull
Entries 80
Mean 40
Std Dev 23.09

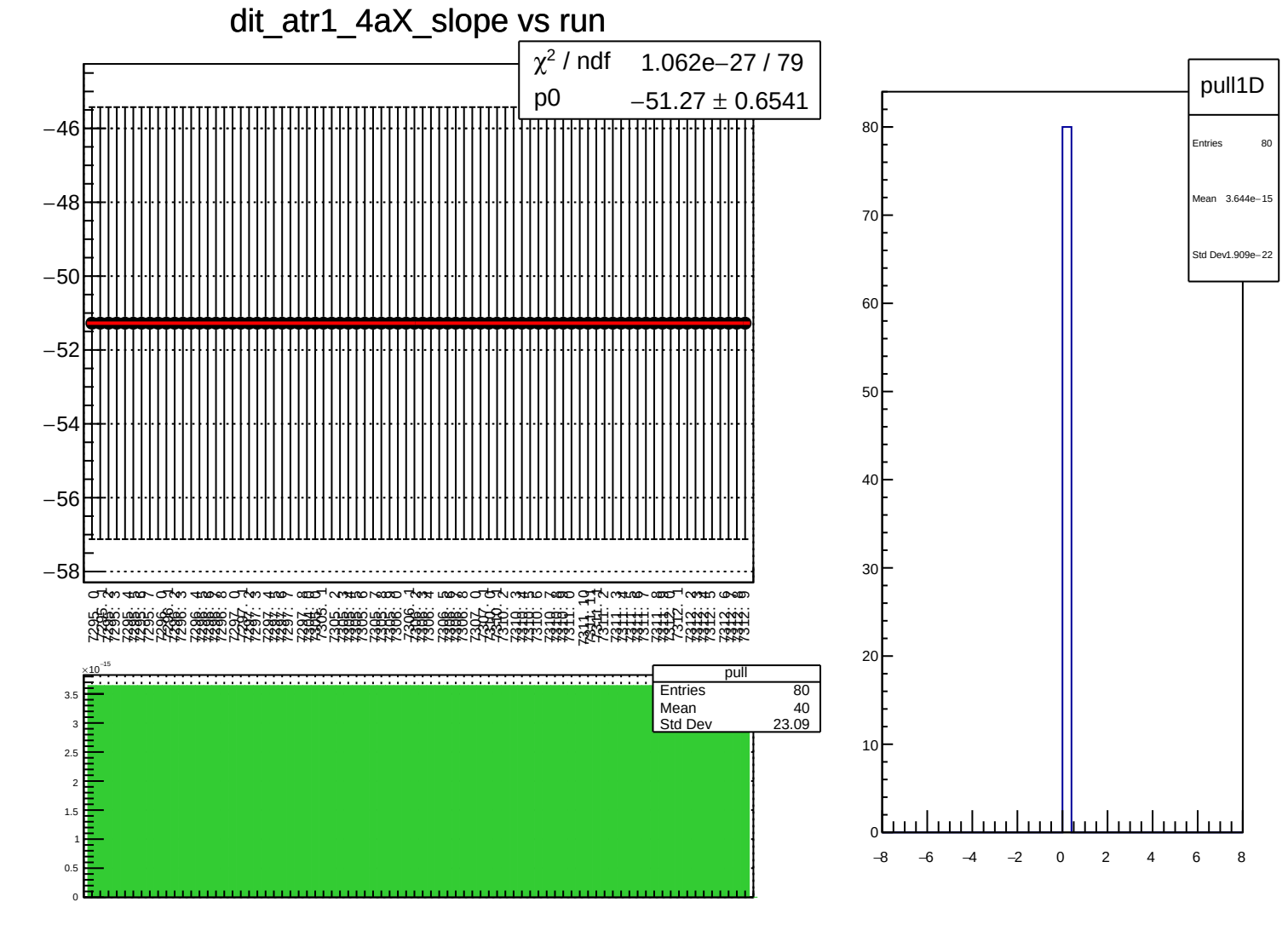

pull1D
Entries 80
Mean 4.416e−14
Std Dev2.075e−21

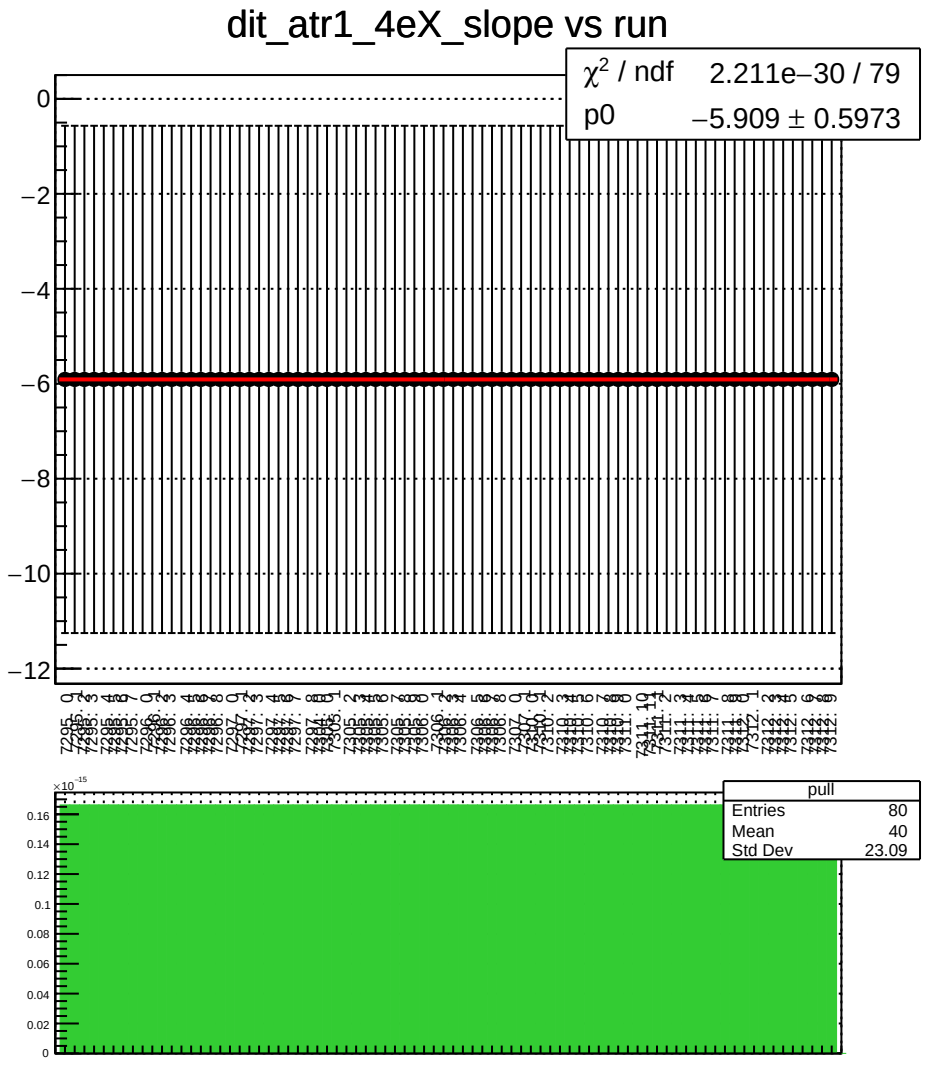

dit_atl2_11X12X_slope vs run
χ² / ndf 3.47e−24 / 79
p0 −221.2 ± 0.2746
−219
−220
−221
−222
−223
−224
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 2.083e−13
Std Dev1.044e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

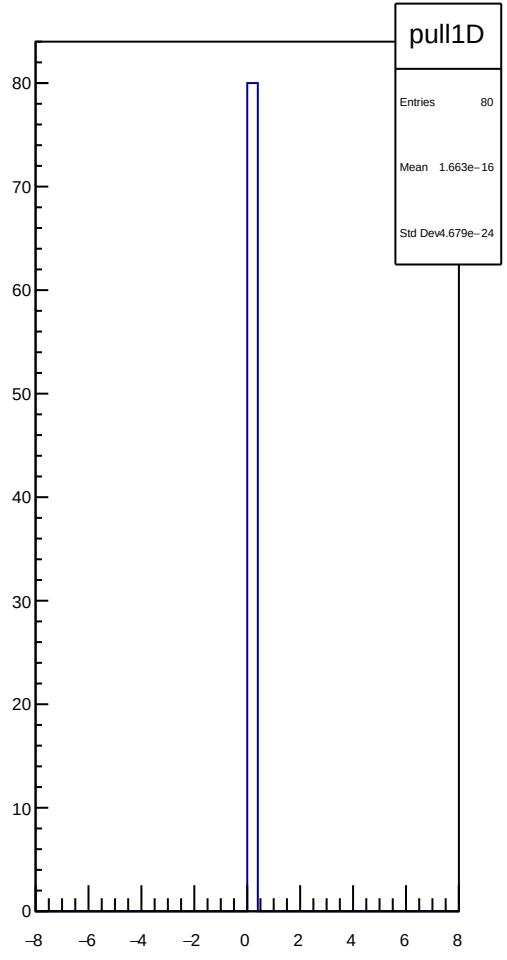

dit_atl2_4aY_slope vs run
χ² / ndf 2.6e−27 / 79
p0 41.92 ± 0.1393
43
42.5
42
41.5
41
40.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.701e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

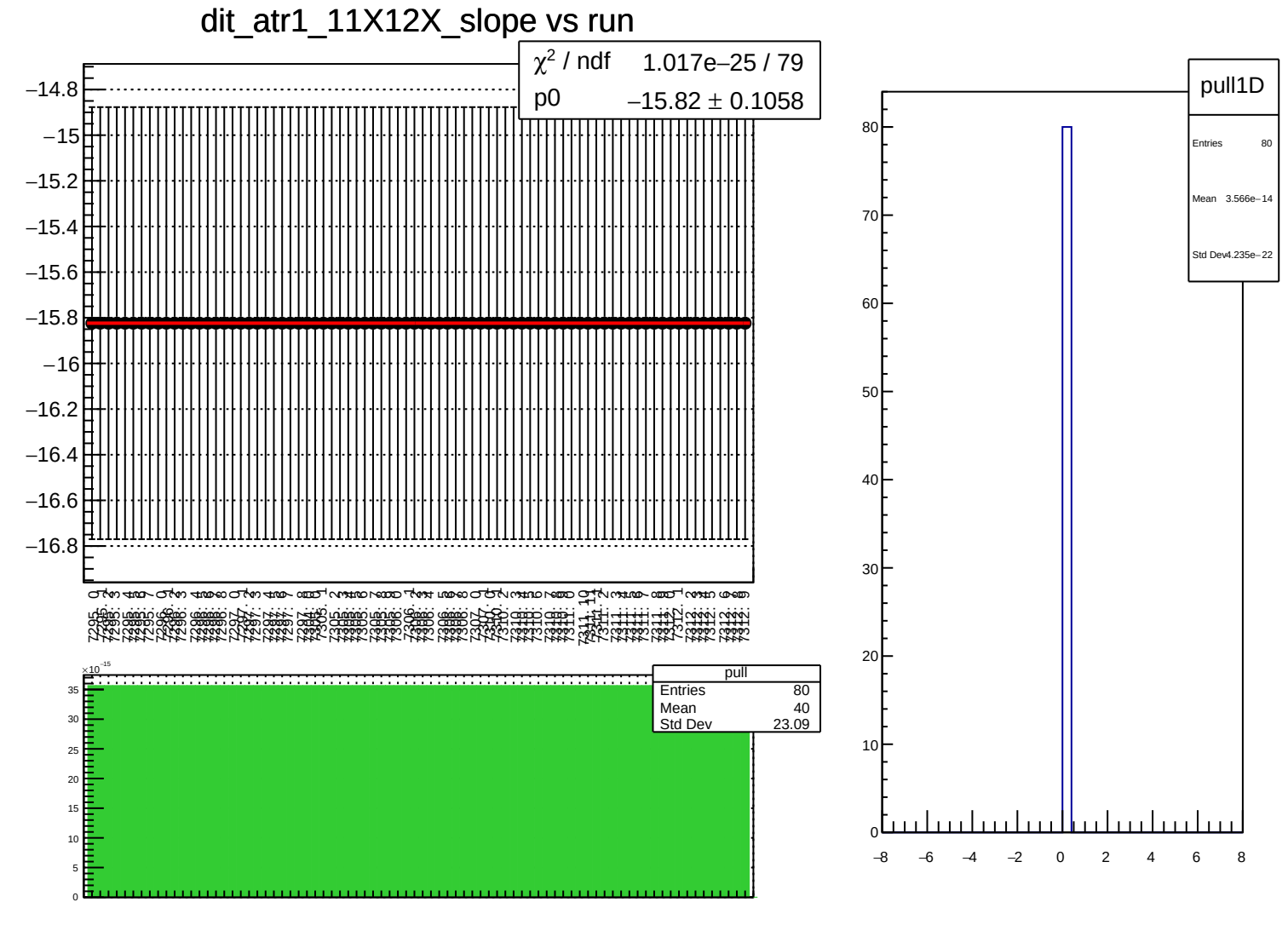

dit_atl2_4eY_slope vs run
χ² / ndf 1.159e−25 / 79
p0 73.31 ± 0.1253
74.5
74
73.5
73
72.5
72
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0

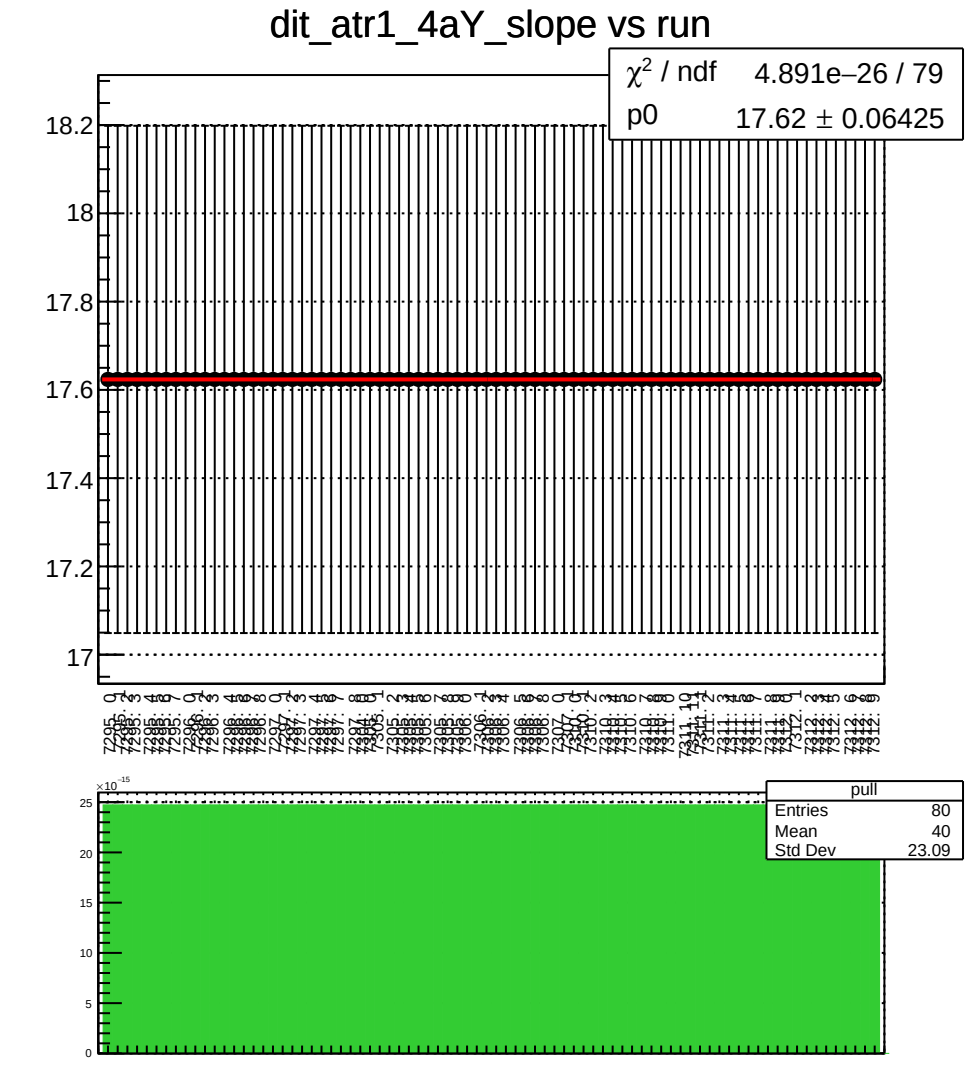

pull1D
Entries 80
Mean 3.805e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

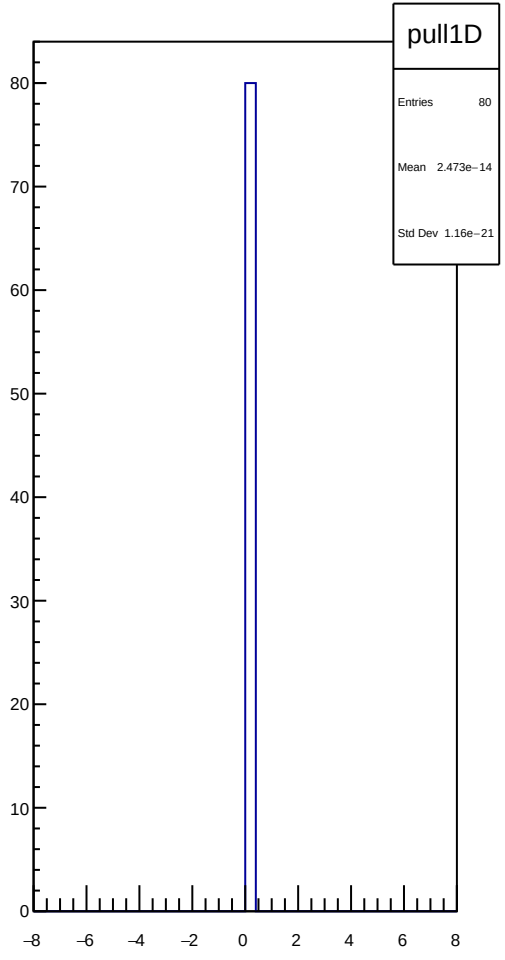

dit_atr1_4aX_slope vs run
χ² / ndf 1.062e−27 / 79
p0 −51.27 ± 0.6541
−46
−48
−50
−52
−54
−56
−58
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 80
Mean 3.644e−15
Std Dev1.909e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

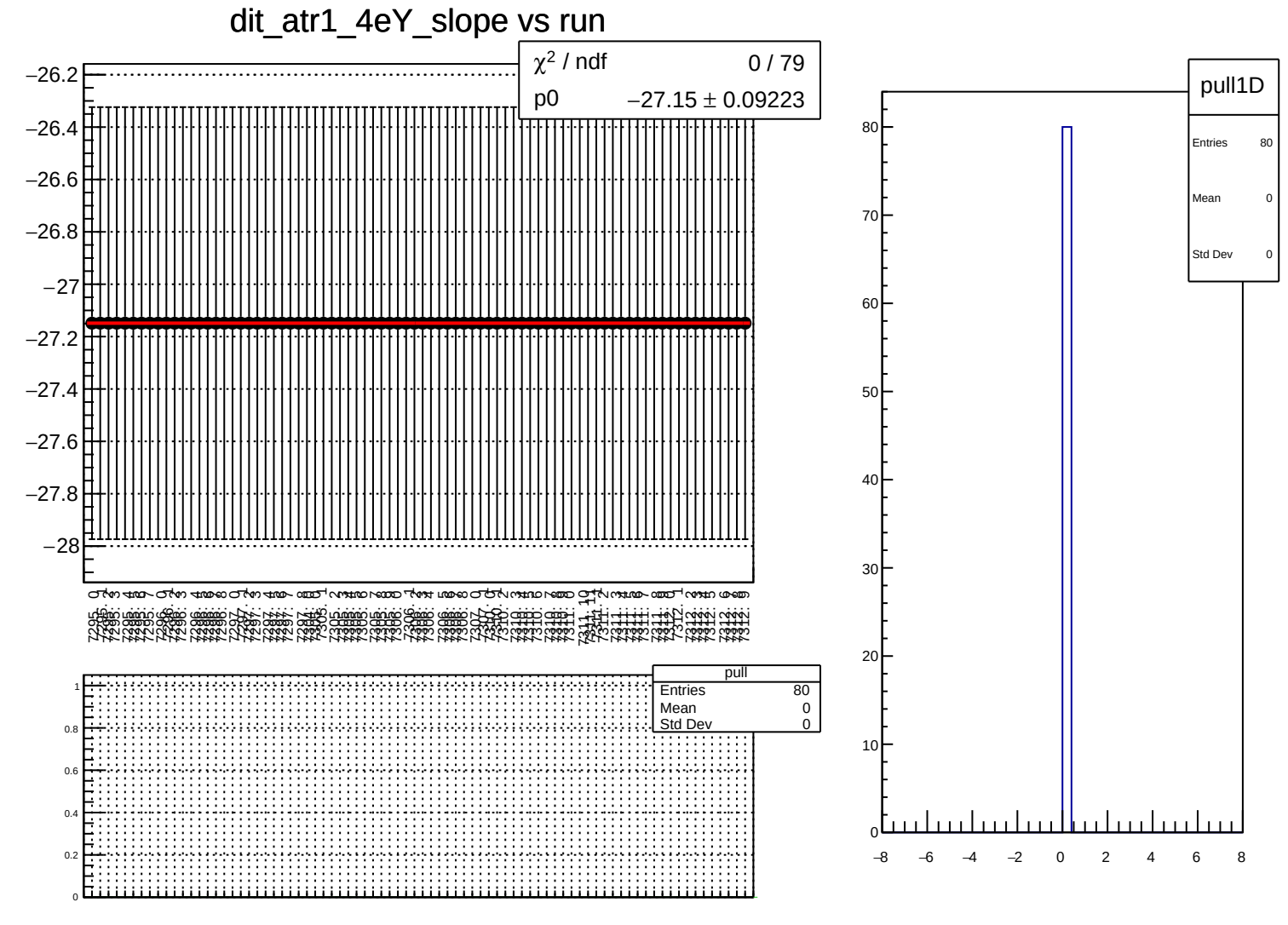

dit_atr1_4eX_slope vs run
χ² / ndf 2.211e−30 / 79
p0 −5.909 ± 0.5973
0
−2
−4
−6
−8
−10
−12
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

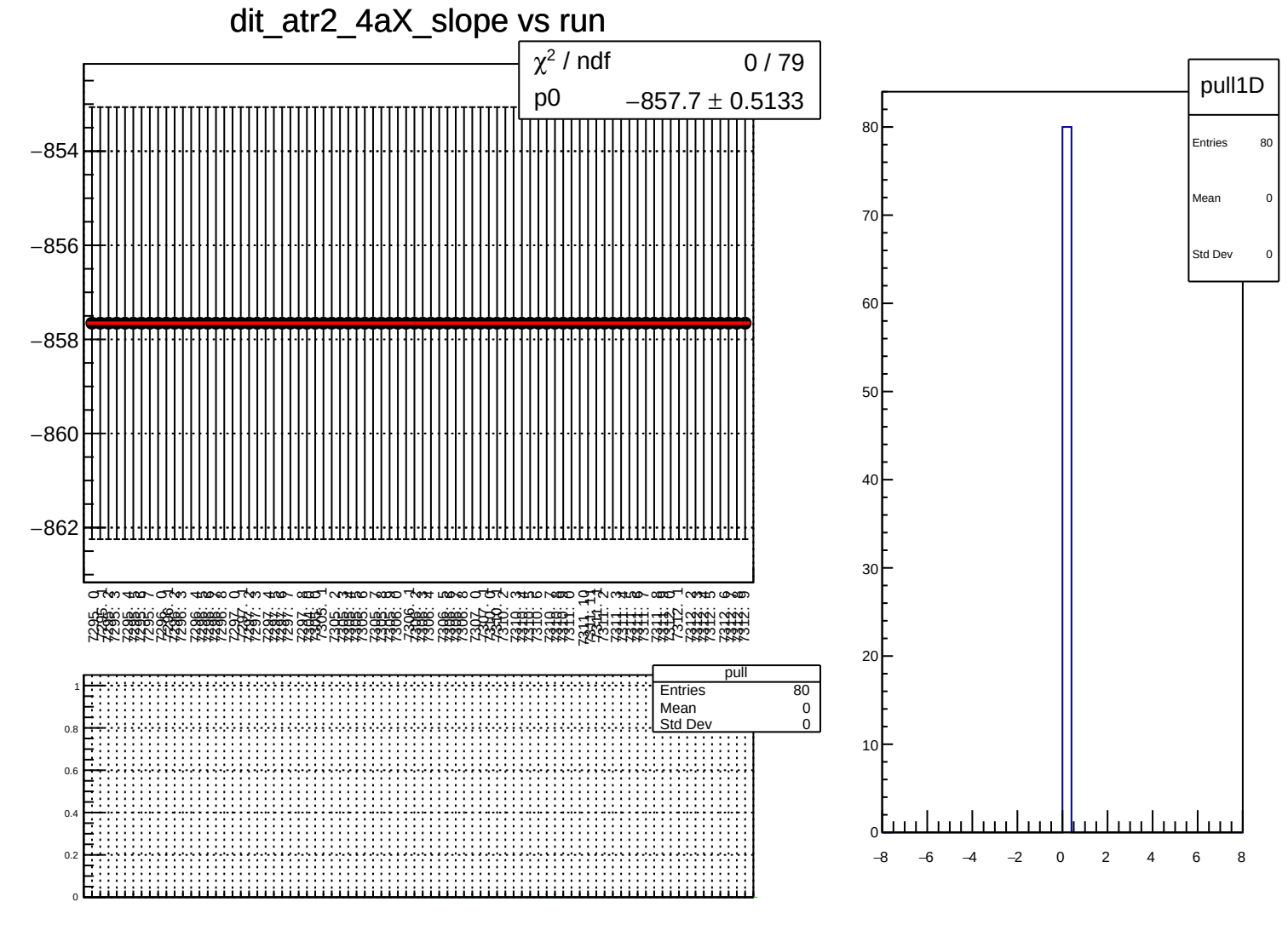

pull1D
Entries 80
Mean 1.663e−16
Std Dev 4.679e−24
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

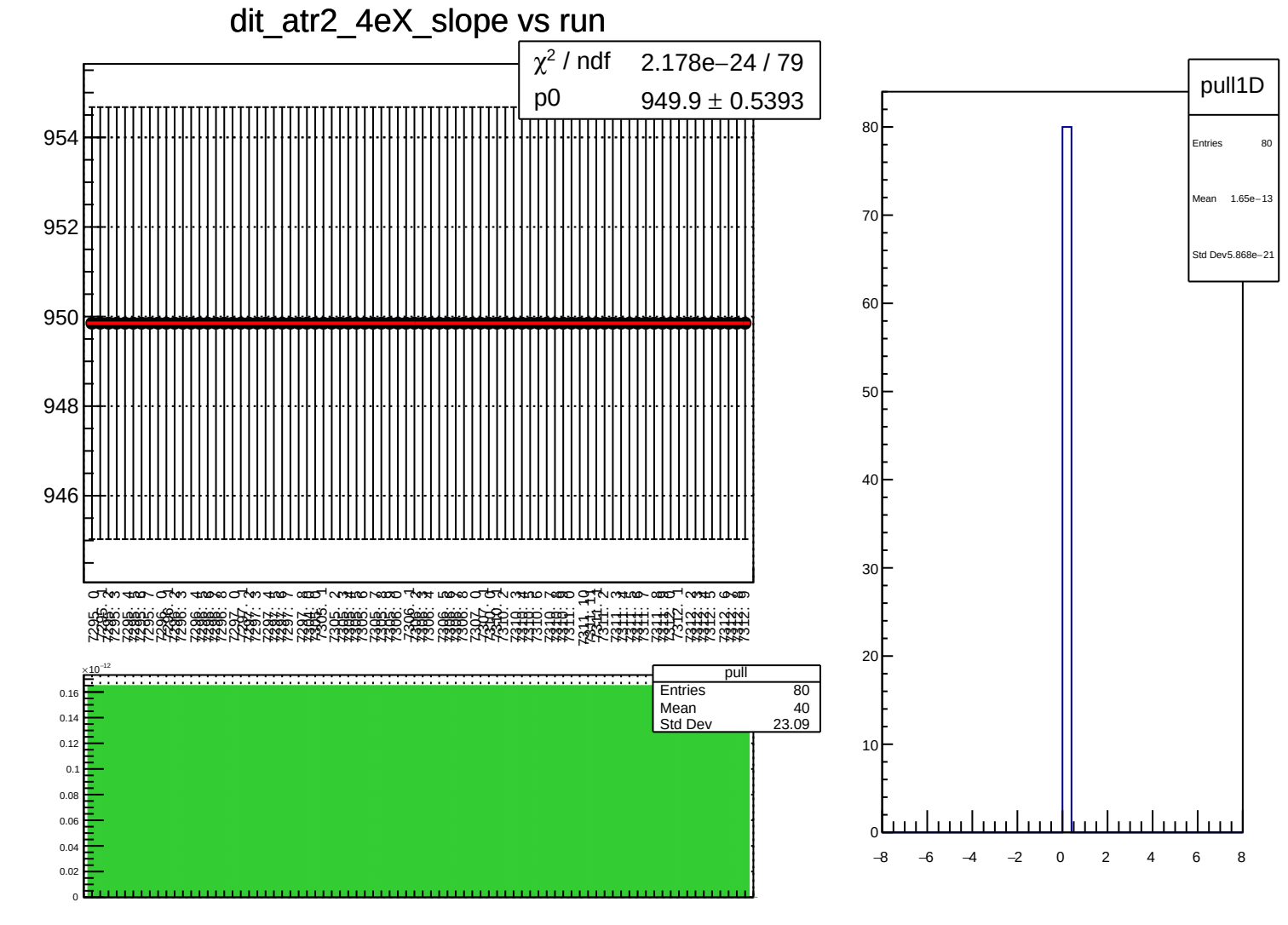

dit_atr1_11X12X_slope vs run
χ² / ndf 1.017e−25 / 79
p0 −15.82 ± 0.1058
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 3.566e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

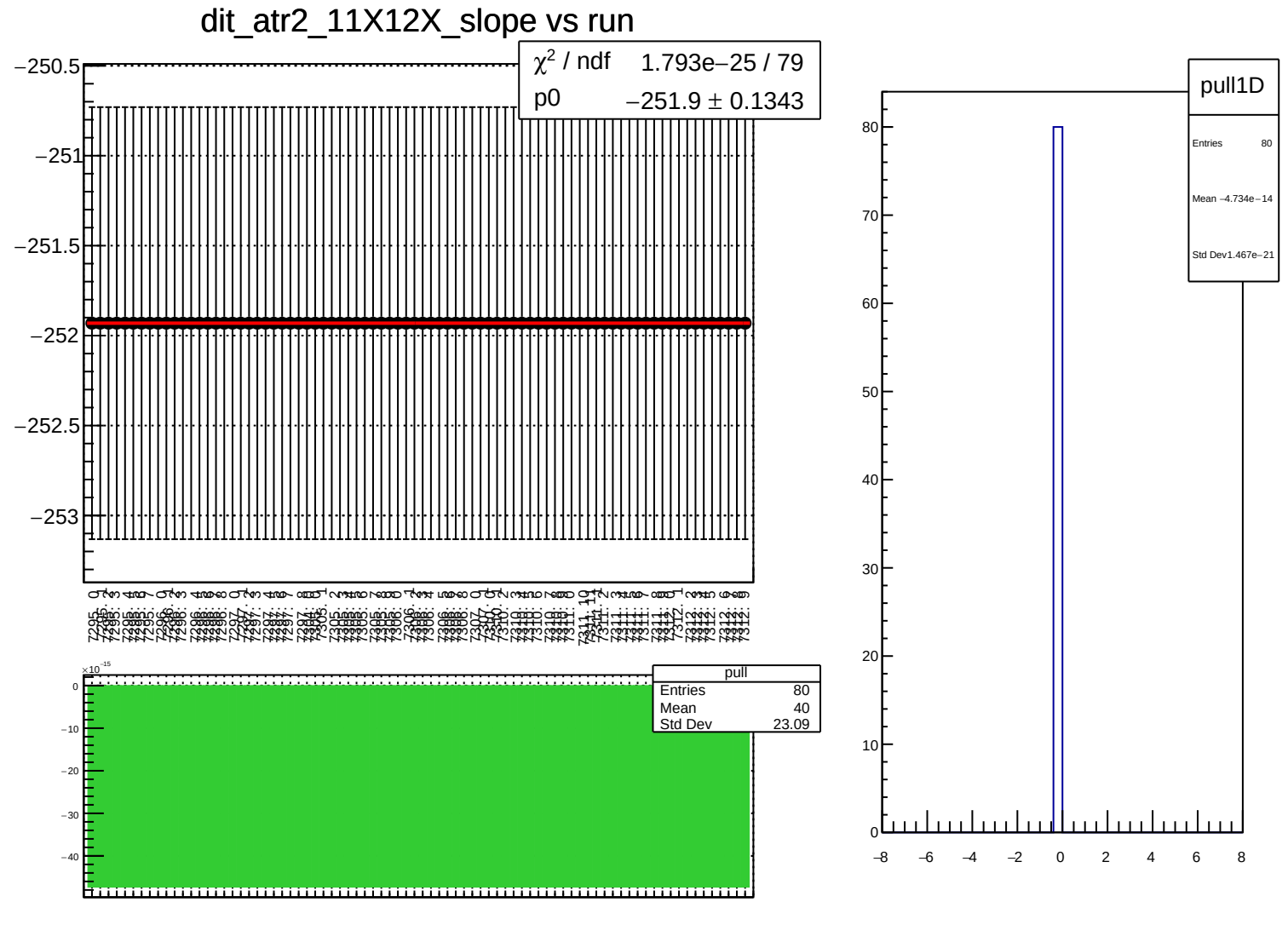

dit_atr1_4aY_slope vs run
χ² / ndf 4.891e−26 / 79
p0 17.62 ± 0.06425
18.2
18
17.8
17.6
17.4
17.2
17
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0

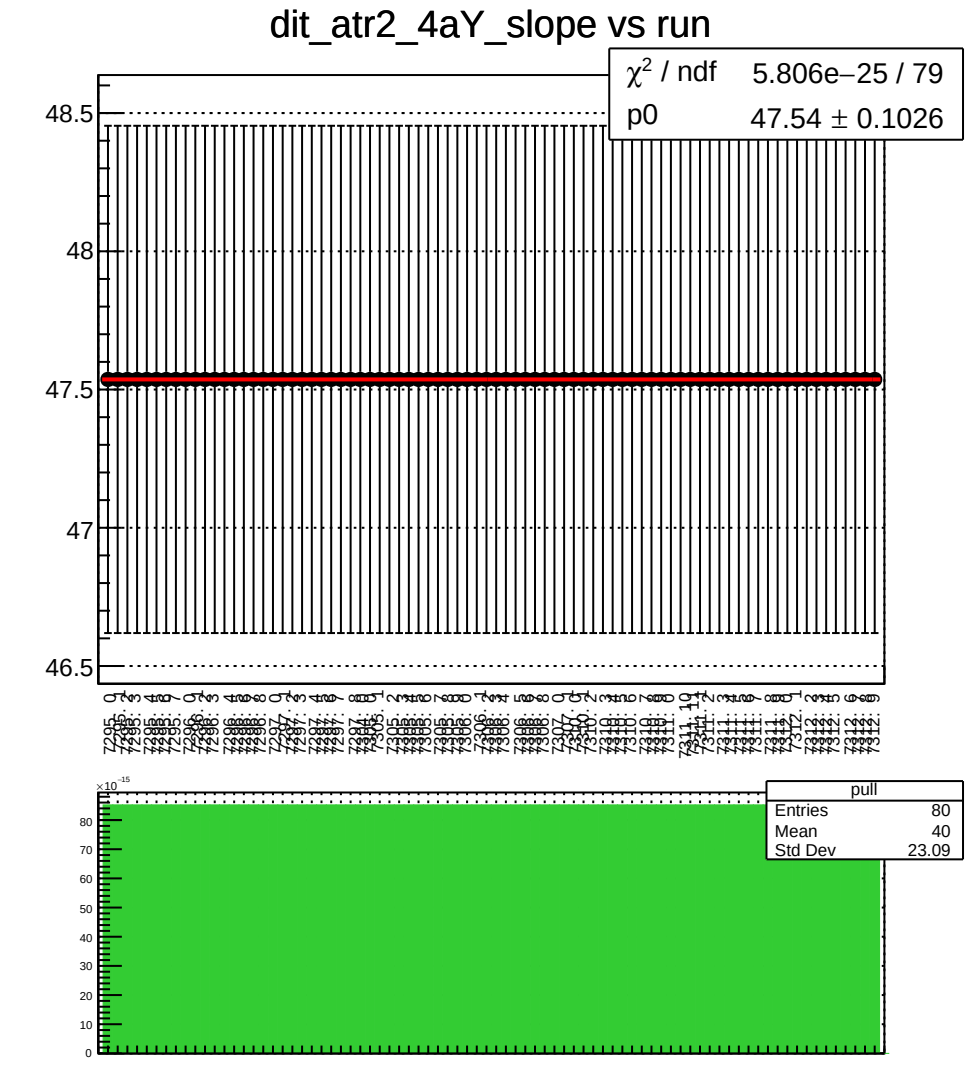

pull1D
Entries 80
Mean 2.473e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

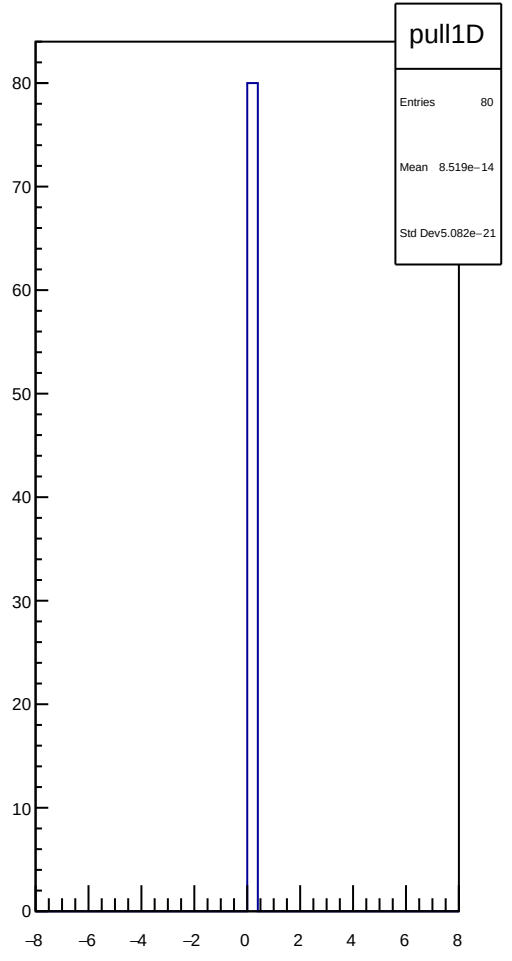

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 79
p0 −27.15 ± 0.09223
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

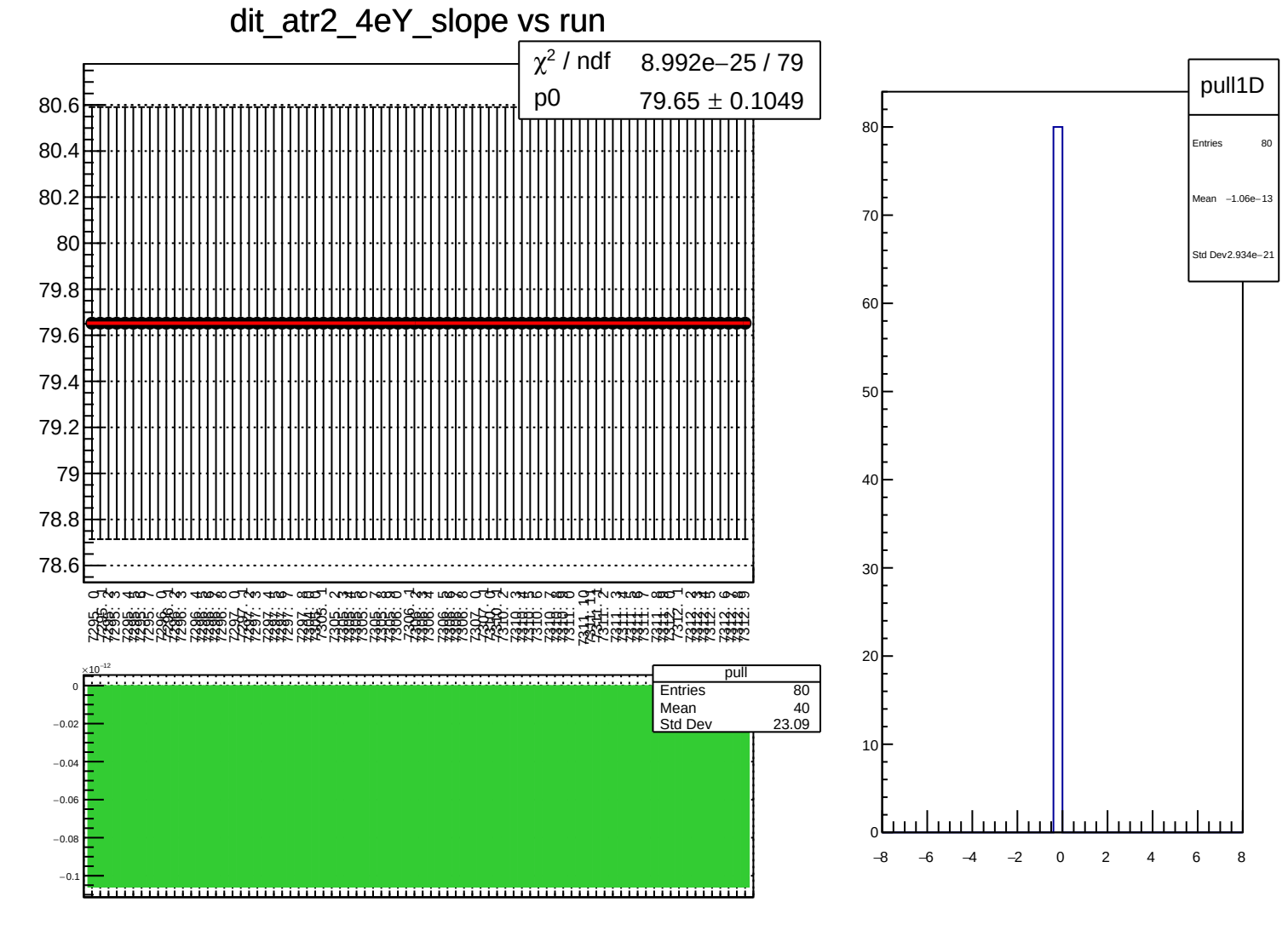

dit_atr2_4aX_slope vs run
χ^2 / ndf 0 / 79
p0 −857.7 ± 0.5133
−854
−856
−858
−860
−862
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

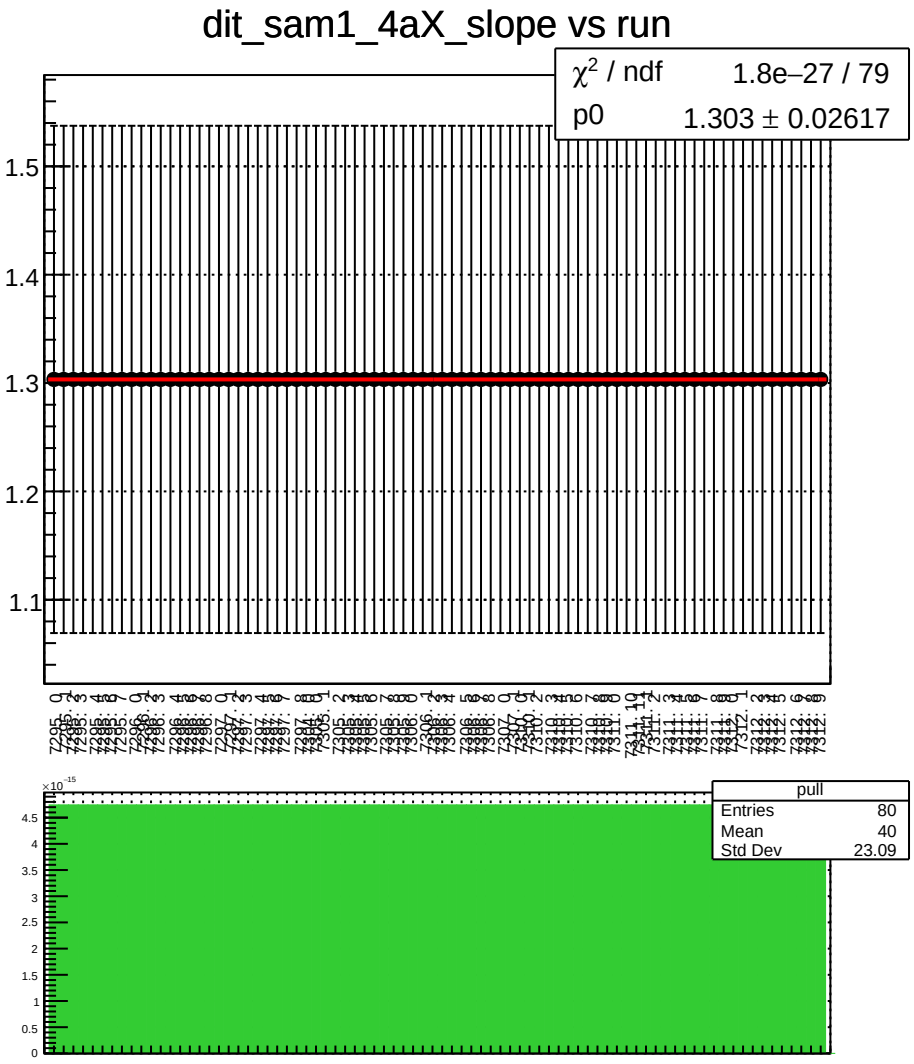

dit_atr2_4eX_slope vs run
χ² / ndf 2.178e−24 / 79
p0 949.9 ± 0.5393
954
952
950
948
946
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.65e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

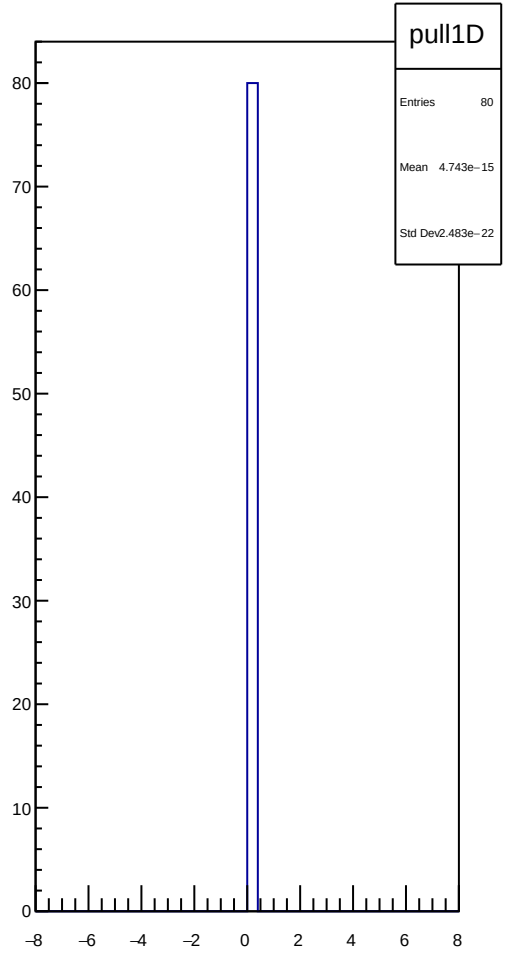

dit_atr2_11X12X_slope vs run
χ² / ndf 1.793e−25 / 79
p0 −251.9 ± 0.1343
−250.5
−251
−251.5
−252
−252.5
−253
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 80
Mean −4.734e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

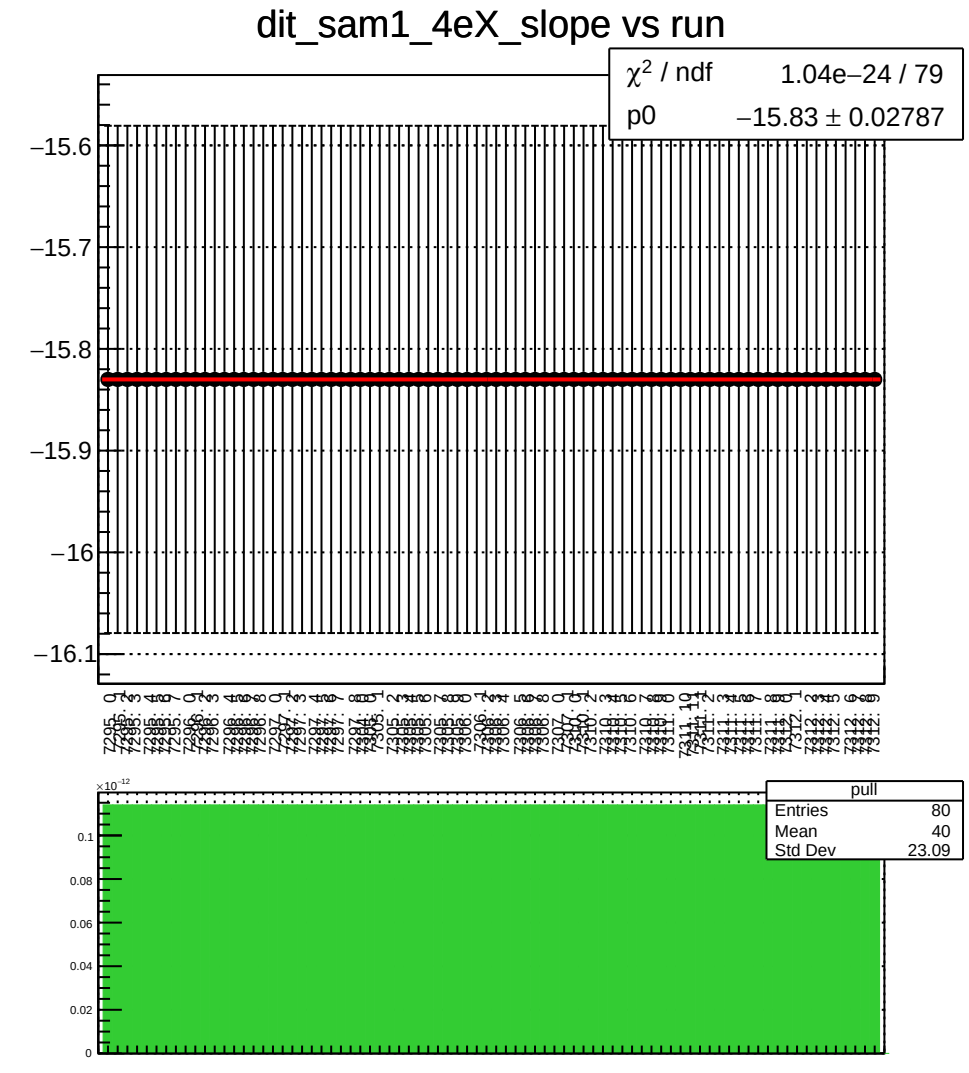

dit_atr2_4aY_slope vs run
χ² / ndf 5.806e−25 / 79
p0 47.54 ± 0.1026
48.5
48
47.5
47
46.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

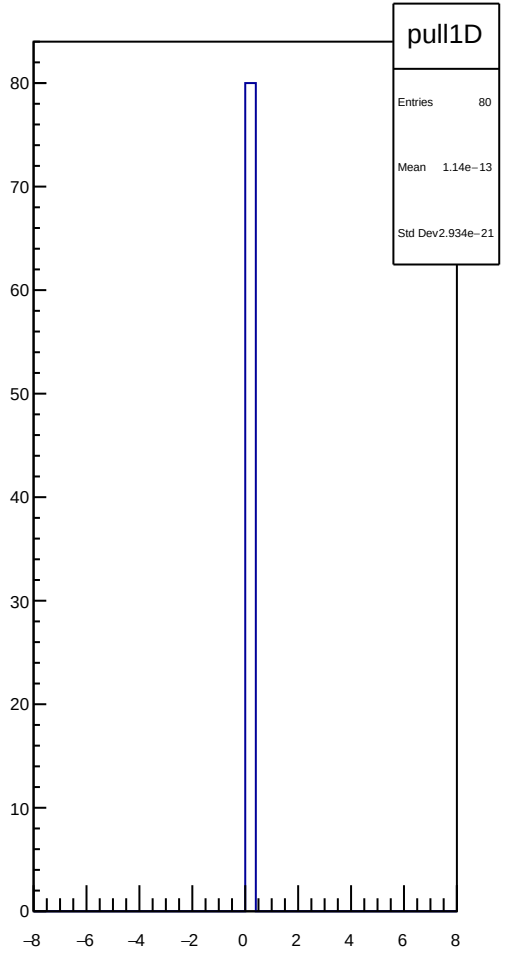

pull1D
Entries 80
Mean 8.519e−14
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

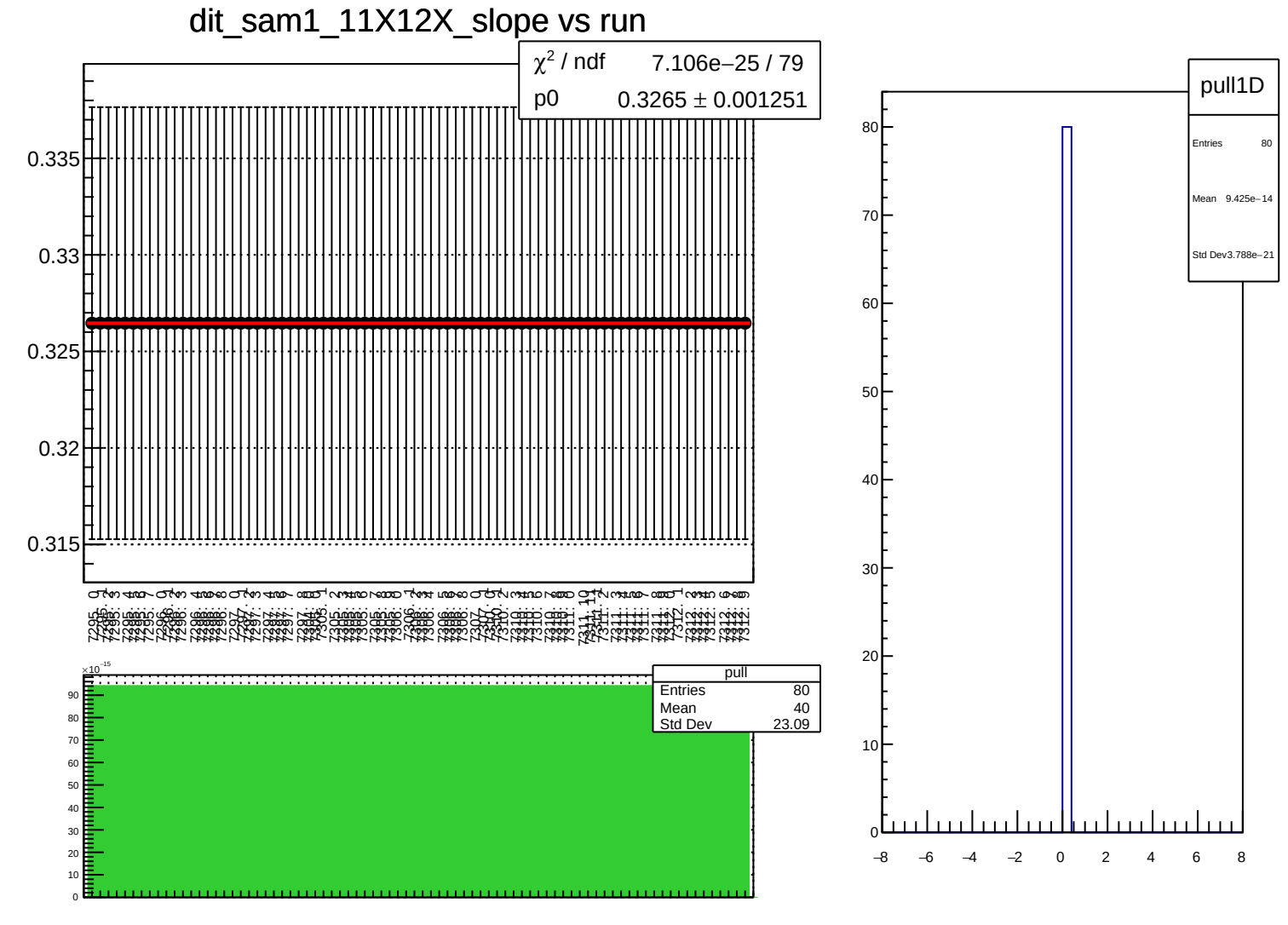

dit_atr2_4eY_slope vs run
χ² / ndf 8.992e−25 / 79
p0 79.65 ± 0.1049
80.6
80.4
80.2
80
79.8
79.6
79.4
79.2
79
78.8
78.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.06e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

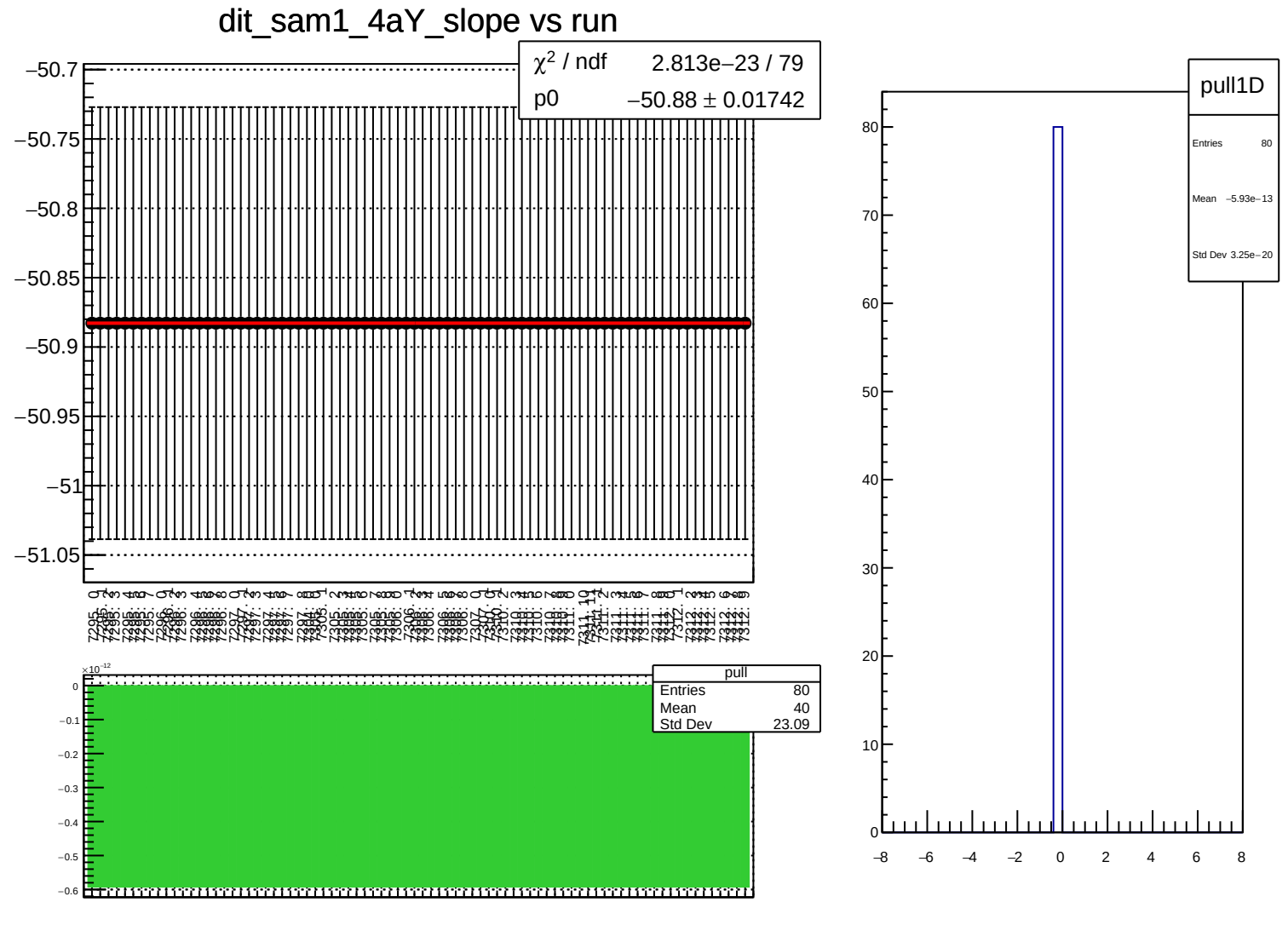

dit_sam1_4aX_slope vs run
χ² / ndf 1.8e−27 / 79
p0 1.303 ± 0.02617
1.5
1.4
1.3
1.2
1.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

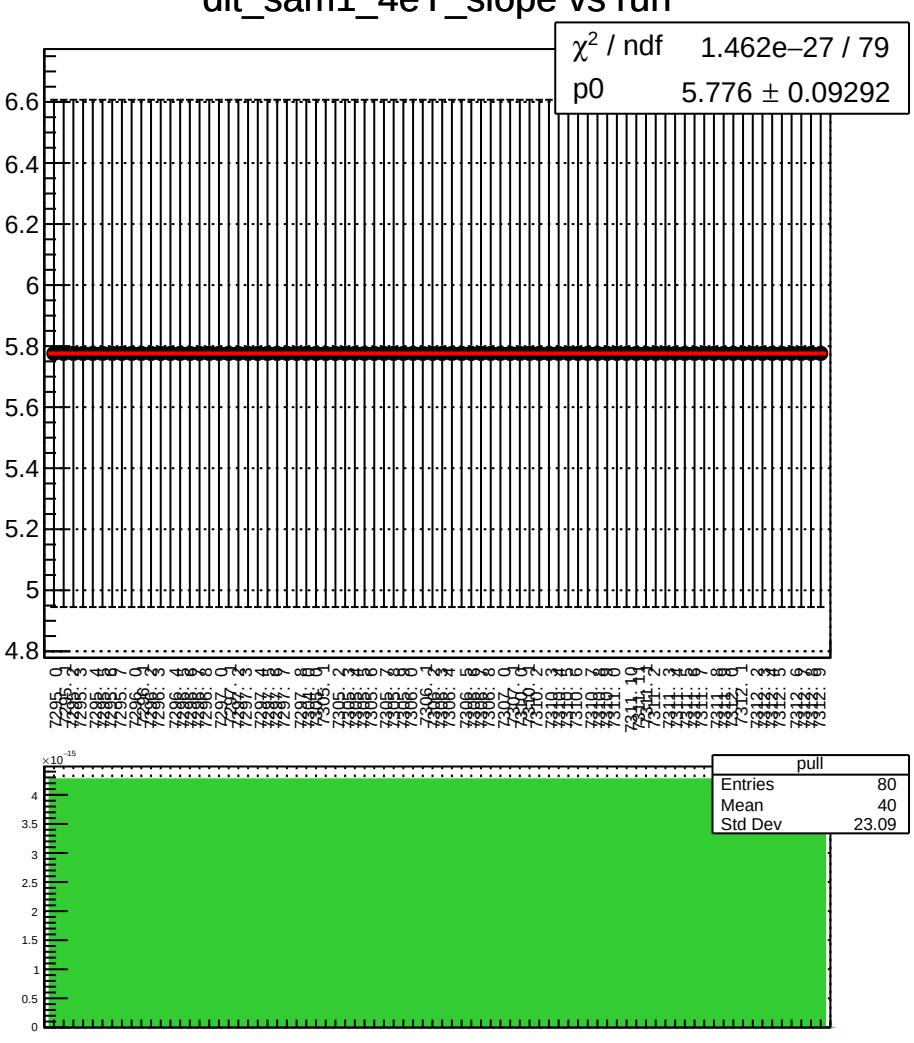

pull1D
Entries 80
Mean 4.743e−15
Std Dev2.483e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

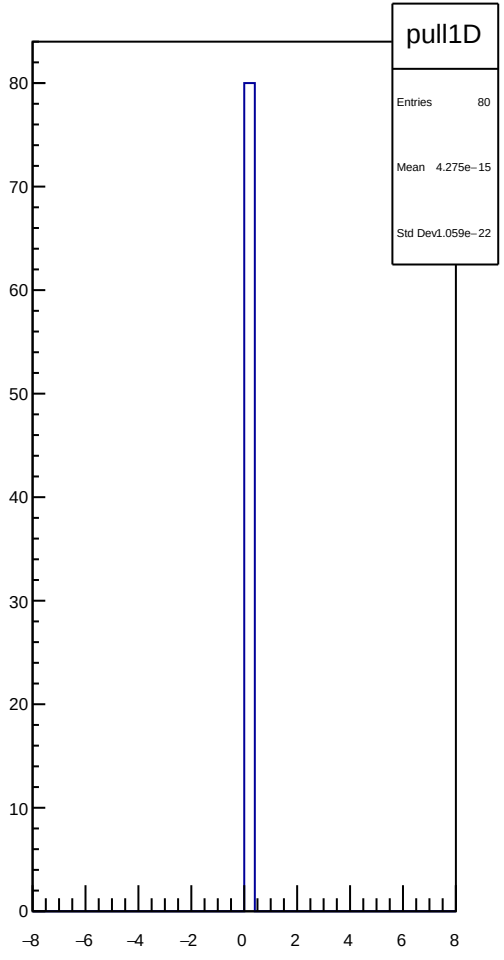

dit_sam1_4eX_slope vs run
χ² / ndf 1.04e−24 / 79
p0 −15.83 ± 0.02787
−15.6
−15.7
−15.8
−15.9
−16
−16.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

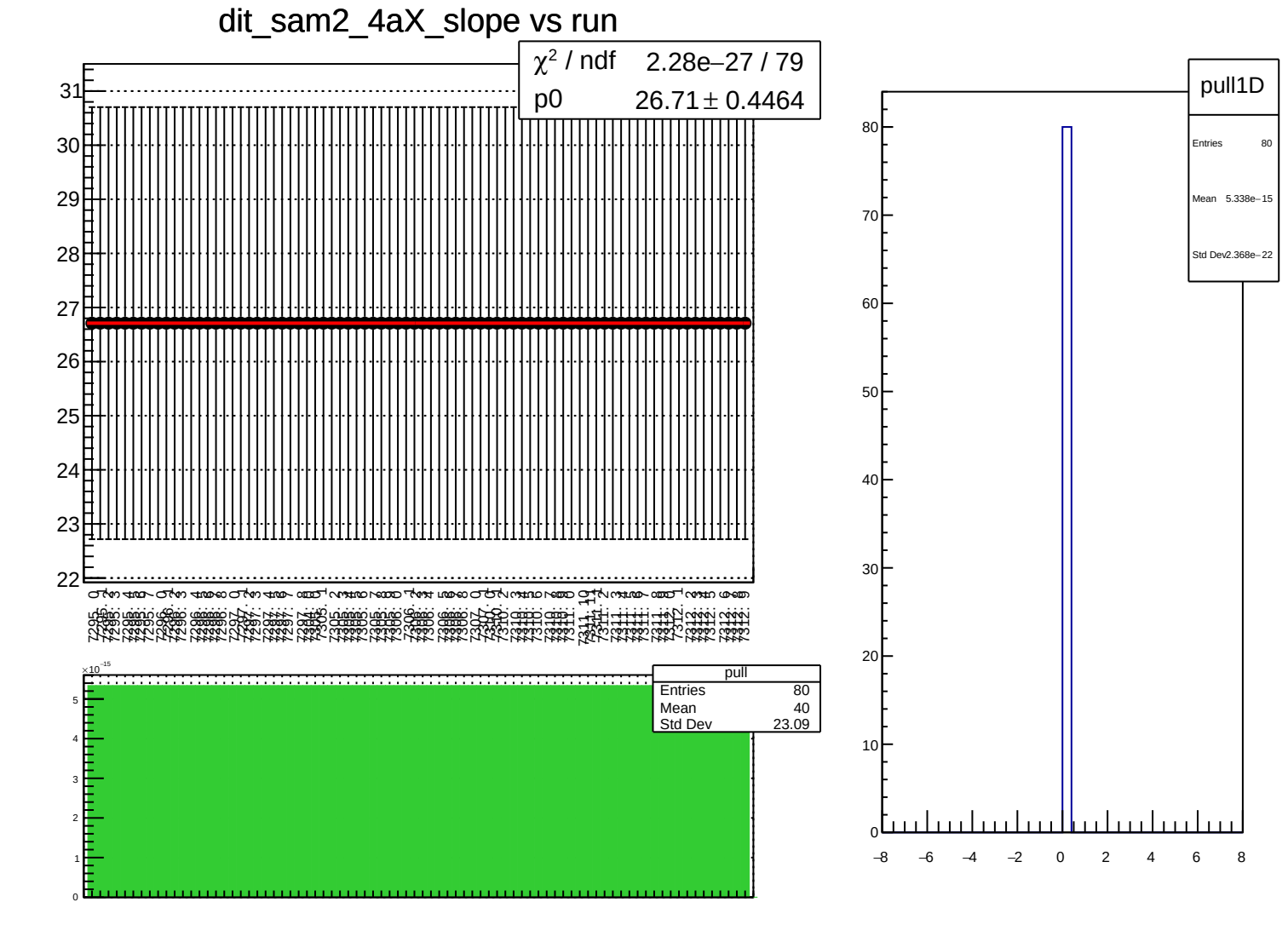

pull1D
Entries 80
Mean 1.14e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

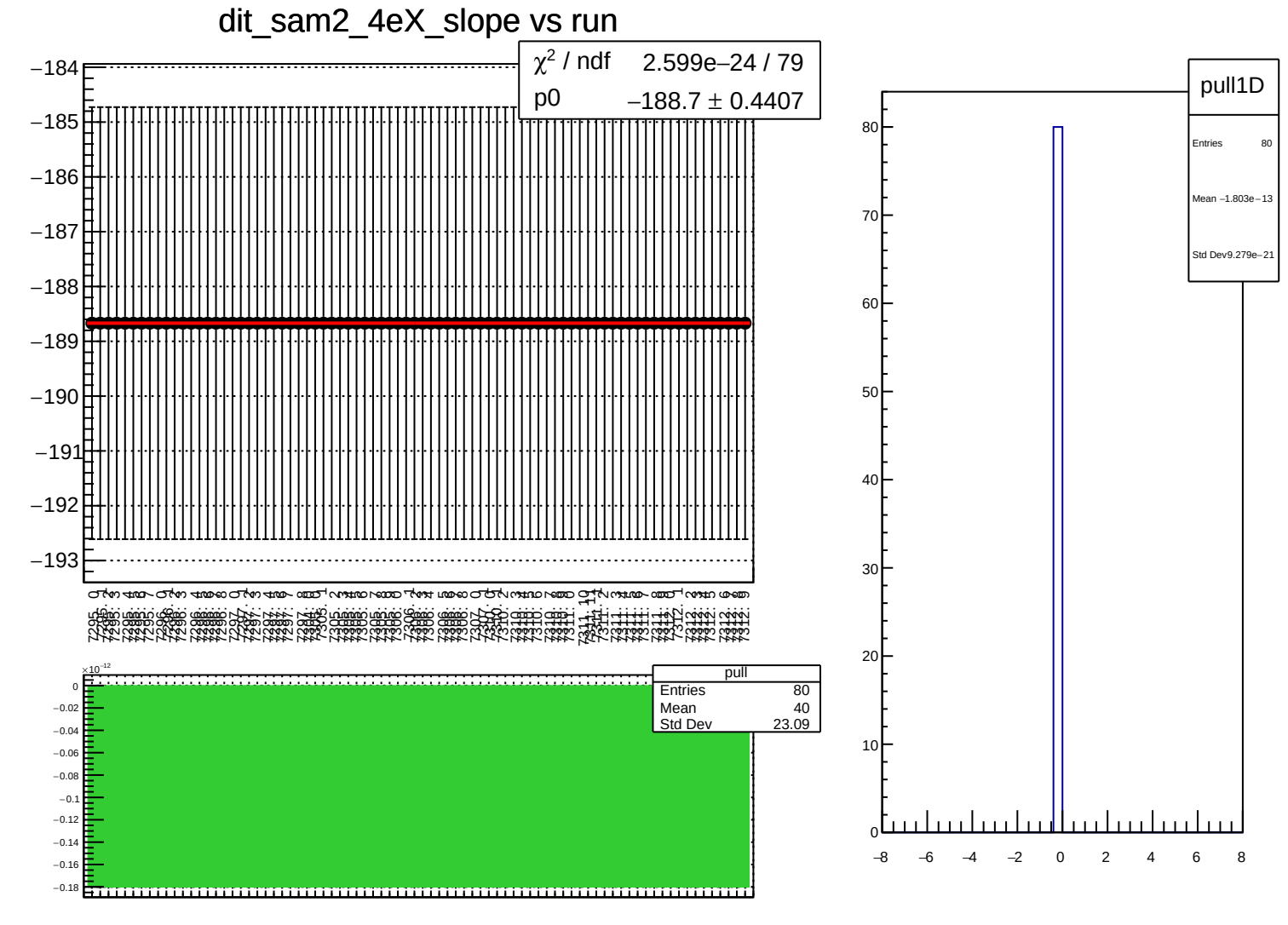

dit_sam1_11X12X_slope vs run
χ² / ndf 7.106e−25 / 79
p0 0.3265 ± 0.001251
0.335
0.33
0.325
0.32
0.315
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.425e−14
Std Dev3.788e−21

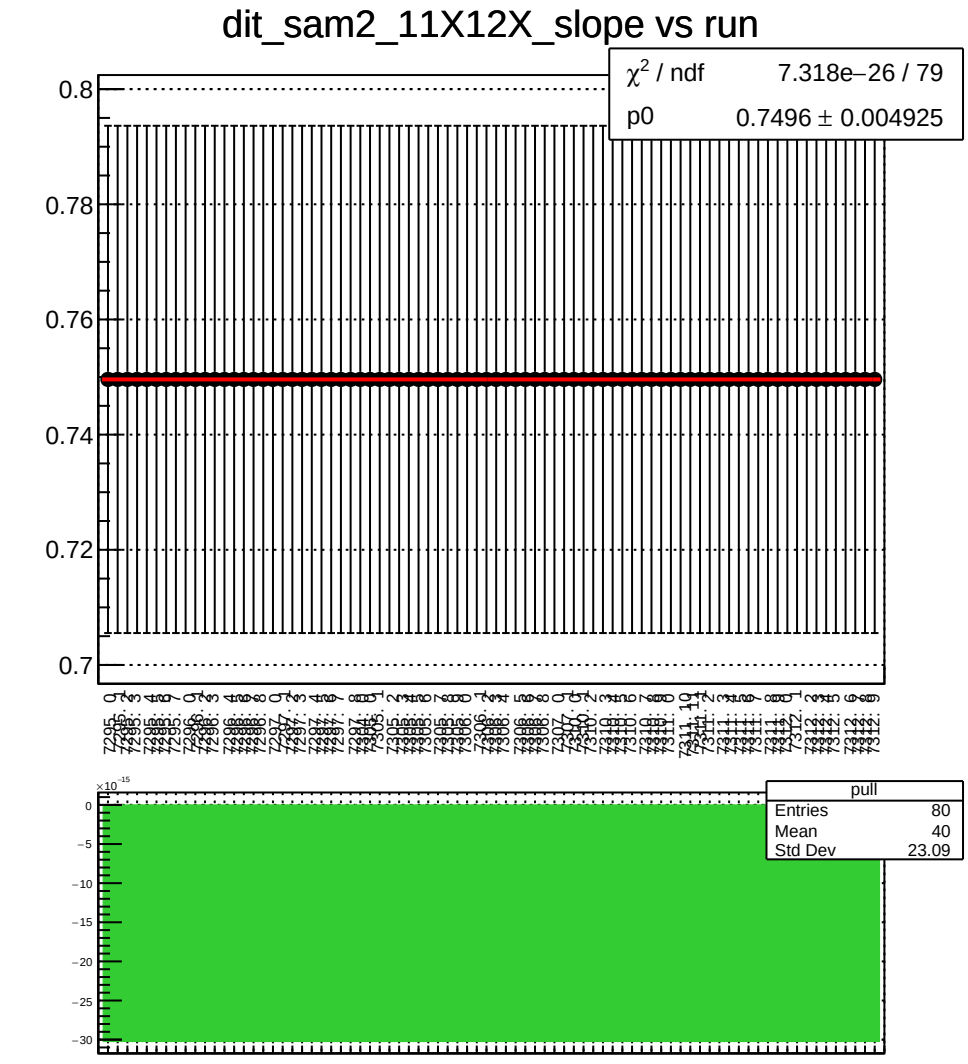

dit_sam1_4aY_slope vs run
χ² / ndf 2.813e−23 / 79
p0 −50.88 ± 0.01742
−50.7
−50.75
−50.8
−50.85
−50.9
−50.95
−51
−51.05
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 80
Mean −5.93e−13
Std Dev 3.25e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

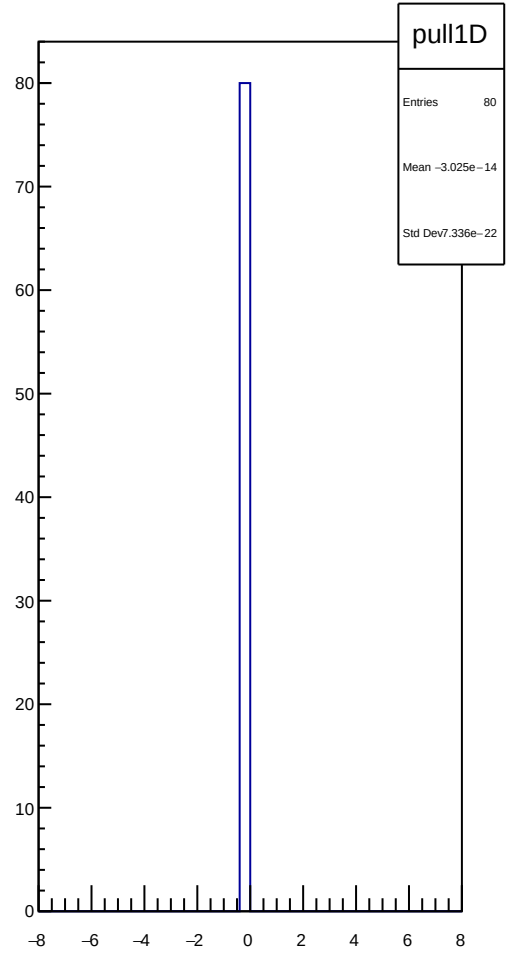

dit_sam1_4eY_slope vs run
χ² / ndf 1.462e−27 / 79
p0 5.776 ± 0.09292
pull
Entries 80
Mean 40
Std Dev 23.09

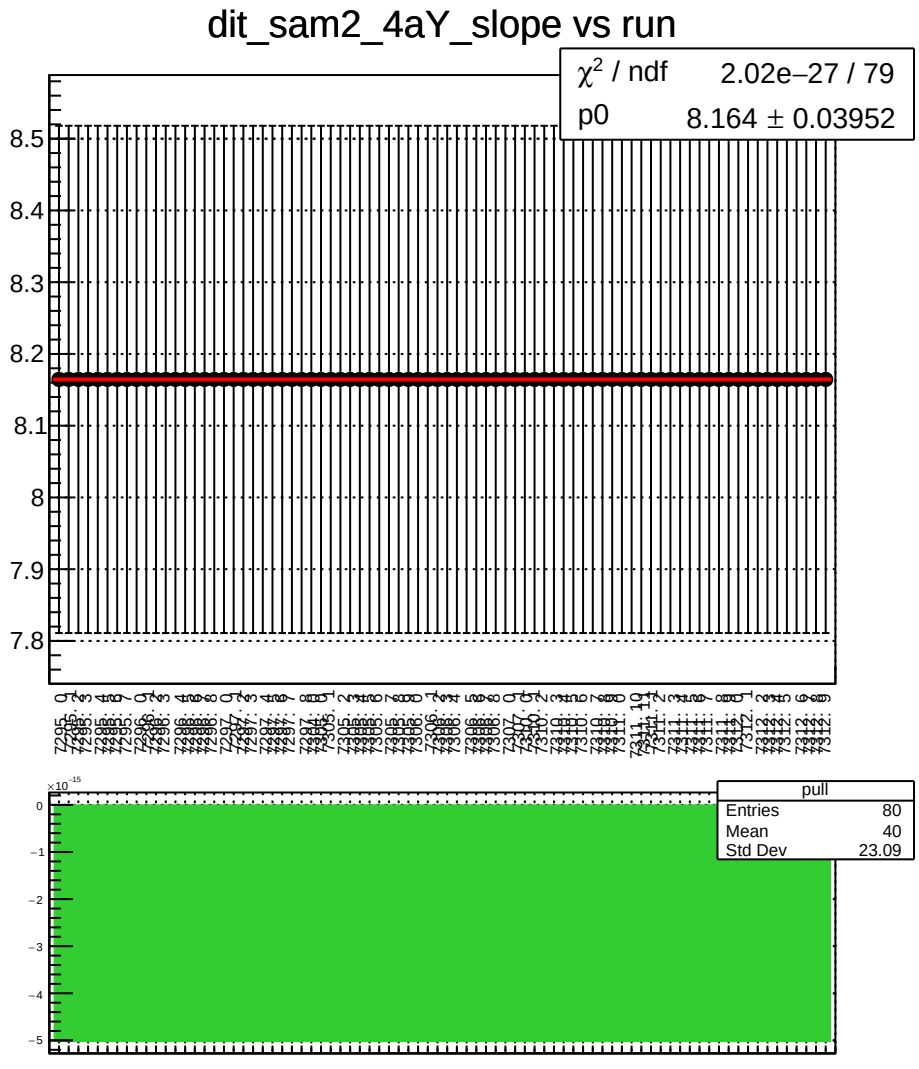

pull1D
Entries 80
Mean 4.275e−15
Std Dev1.059e−22

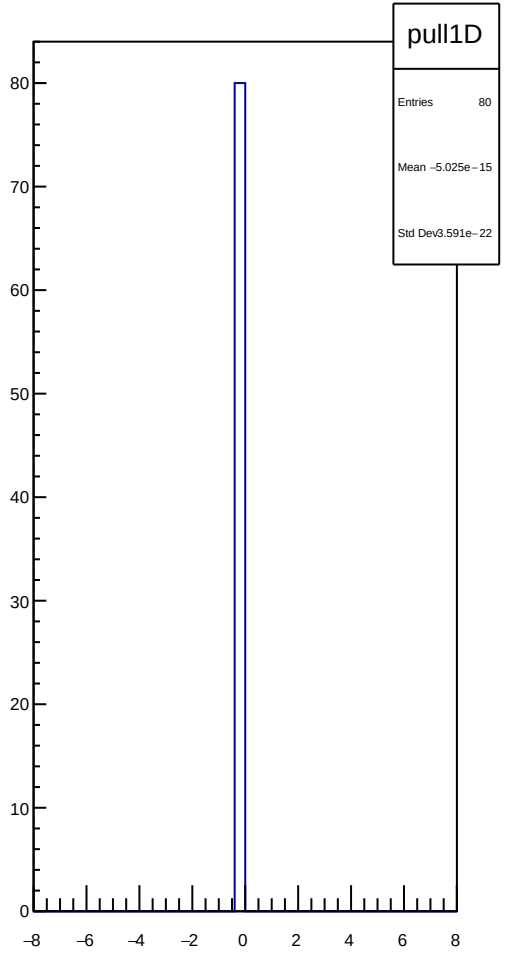

dit_sam2_4aX_slope vs run
χ² / ndf 2.28e−27 / 79
p0 26.71 ± 0.4464
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.338e−15
Std Dev 2.368e−22

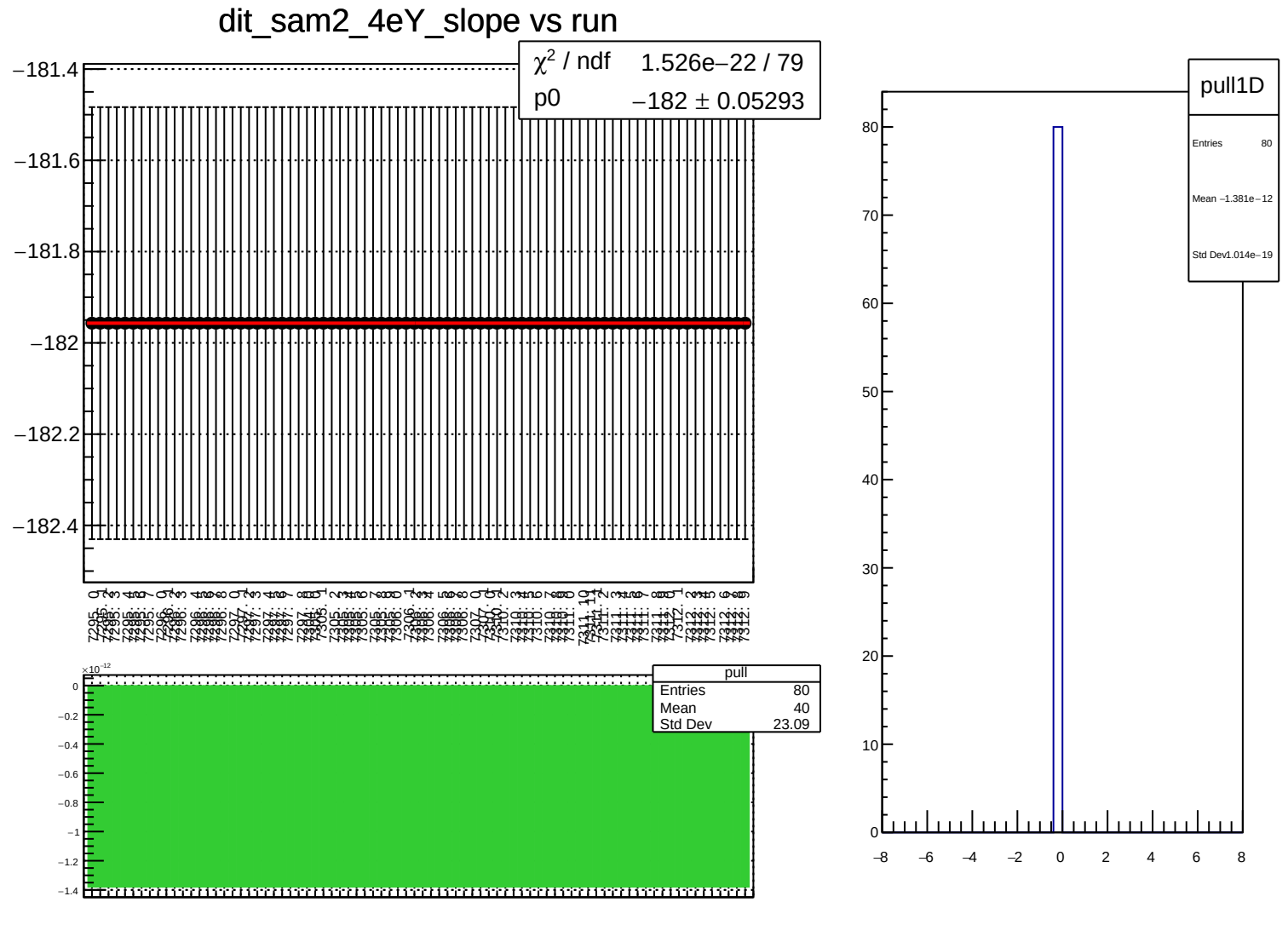

dit_sam2_4eX_slope vs run
χ² / ndf 2.599e−24 / 79
p0 −188.7 ± 0.4407
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.803e−13
Std Dev9.279e−21

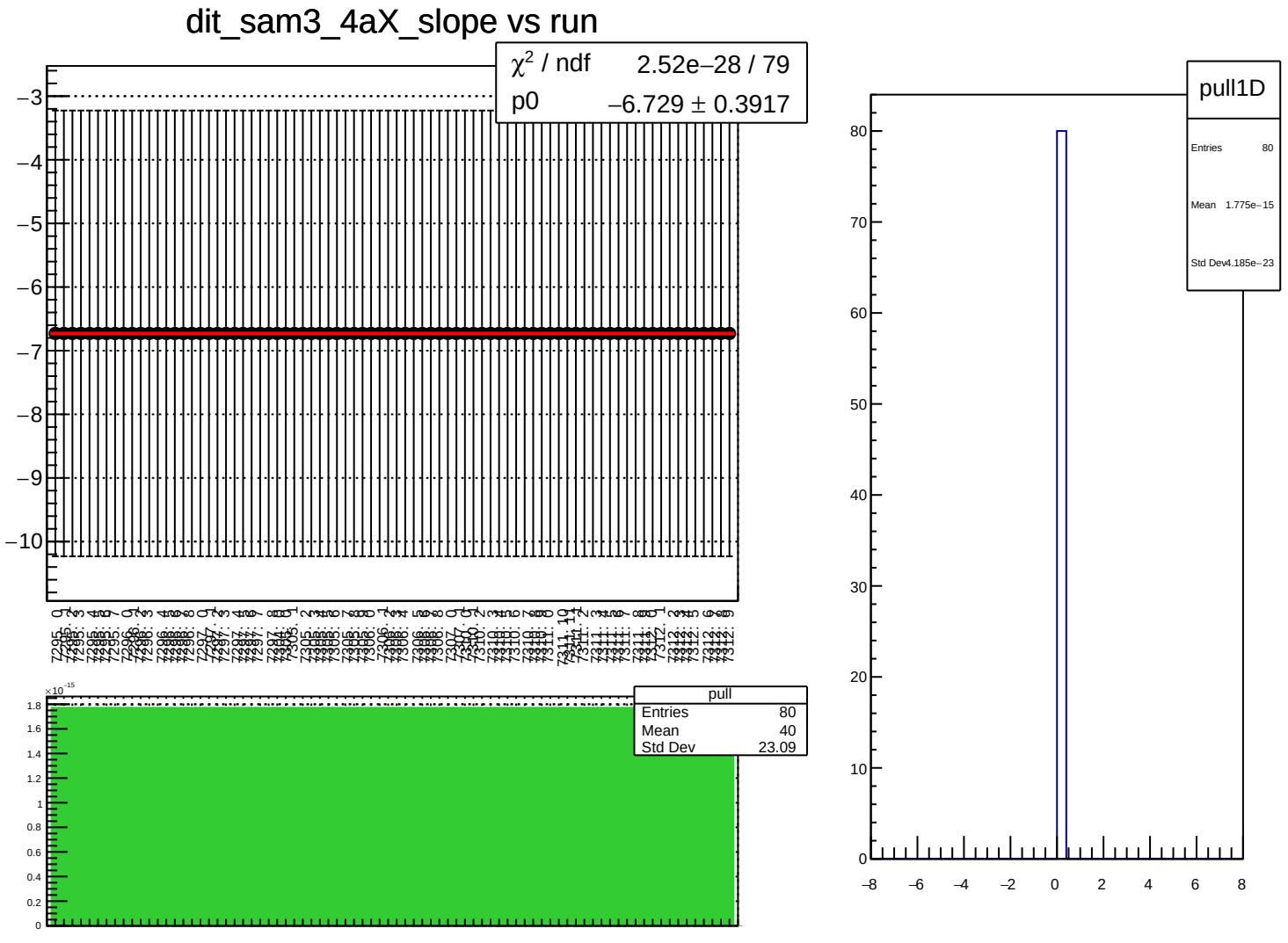

dit_sam2_11X12X_slope vs run
χ² / ndf 7.318e−26 / 79
p0 0.7496 ± 0.004925
0.8
0.78
0.76
0.74
0.72
0.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

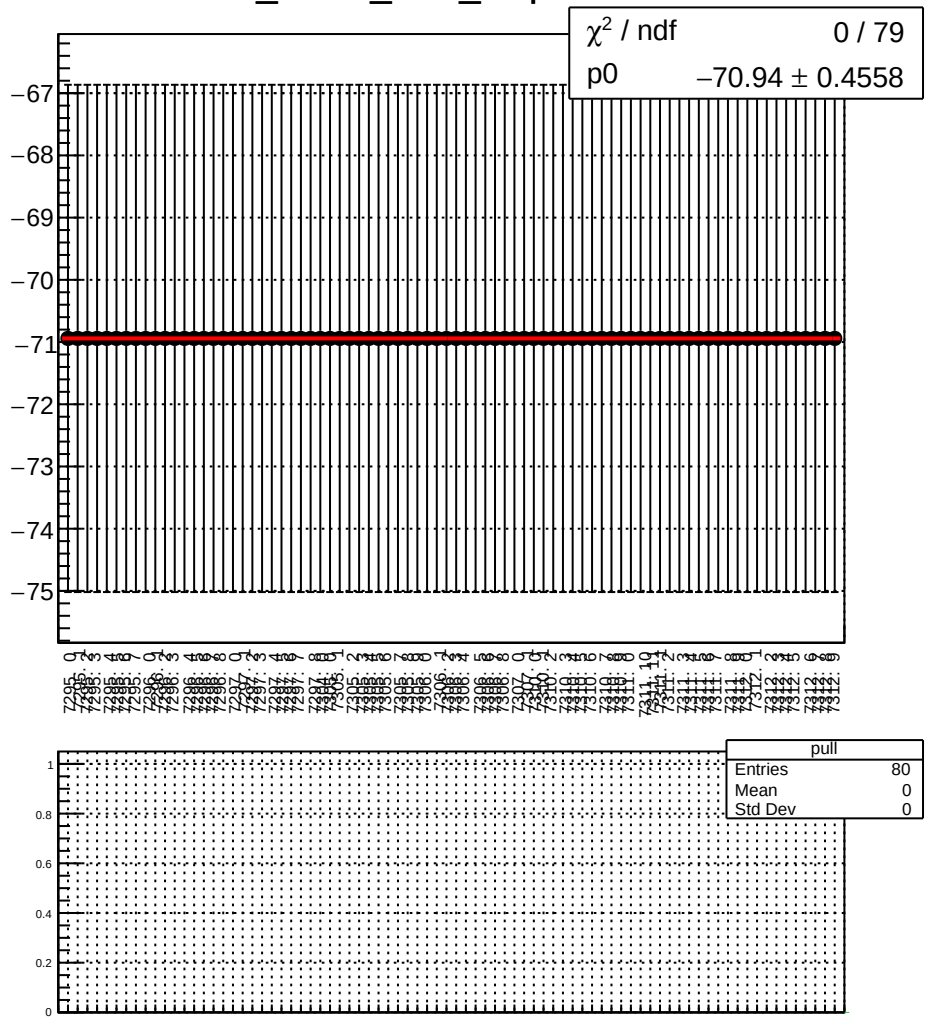

pull1D
Entries 80
Mean −3.025e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

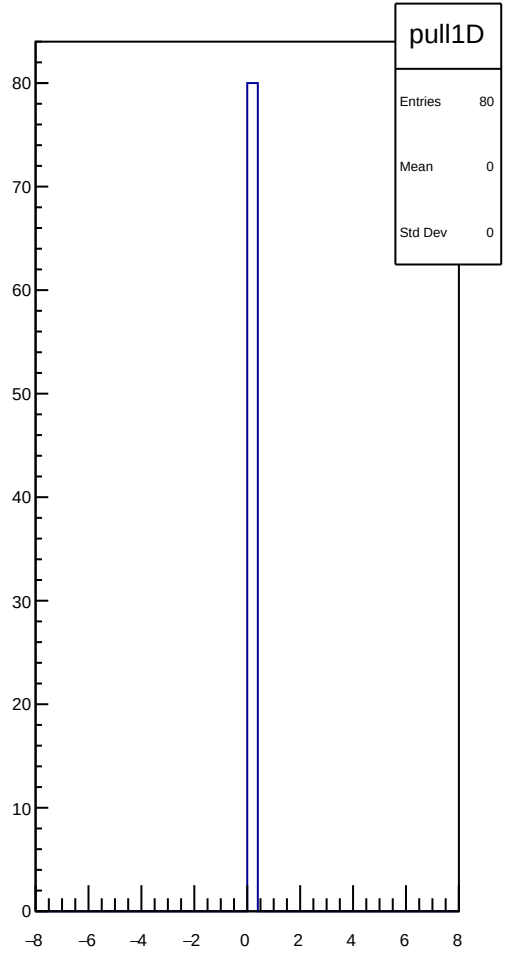

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.02e−27 / 79
p0 8.164 ± 0.03952
8.5
8.4
8.3
8.2
8.1
8
7.9
7.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5

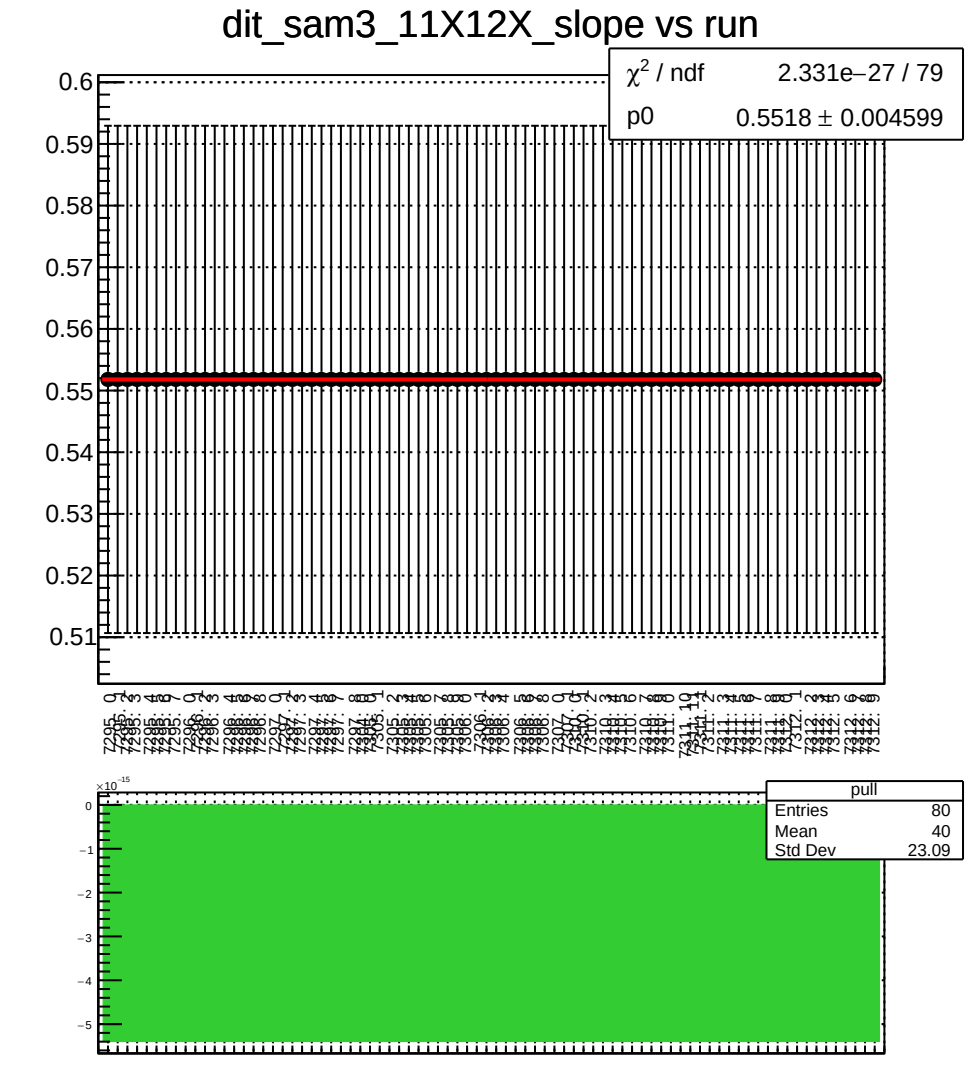

pull1D
Entries 80
Mean −5.025e−15
Std Dev3.591e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

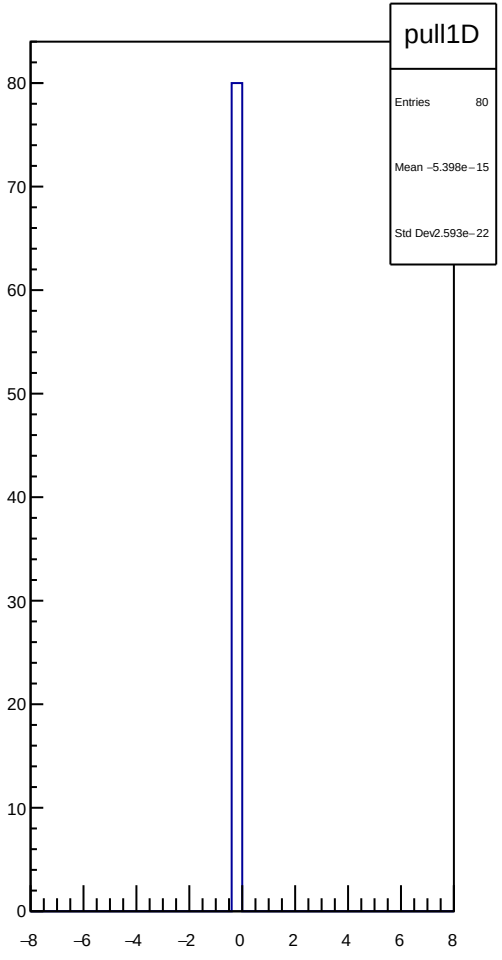

dit_sam2_4eY_slope vs run
χ² / ndf 1.526e−22 / 79
p0 −182 ± 0.05293
−181.4
−181.6
−181.8
−182
−182.2
−182.4
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.381e−12
Std Dev1.014e−19

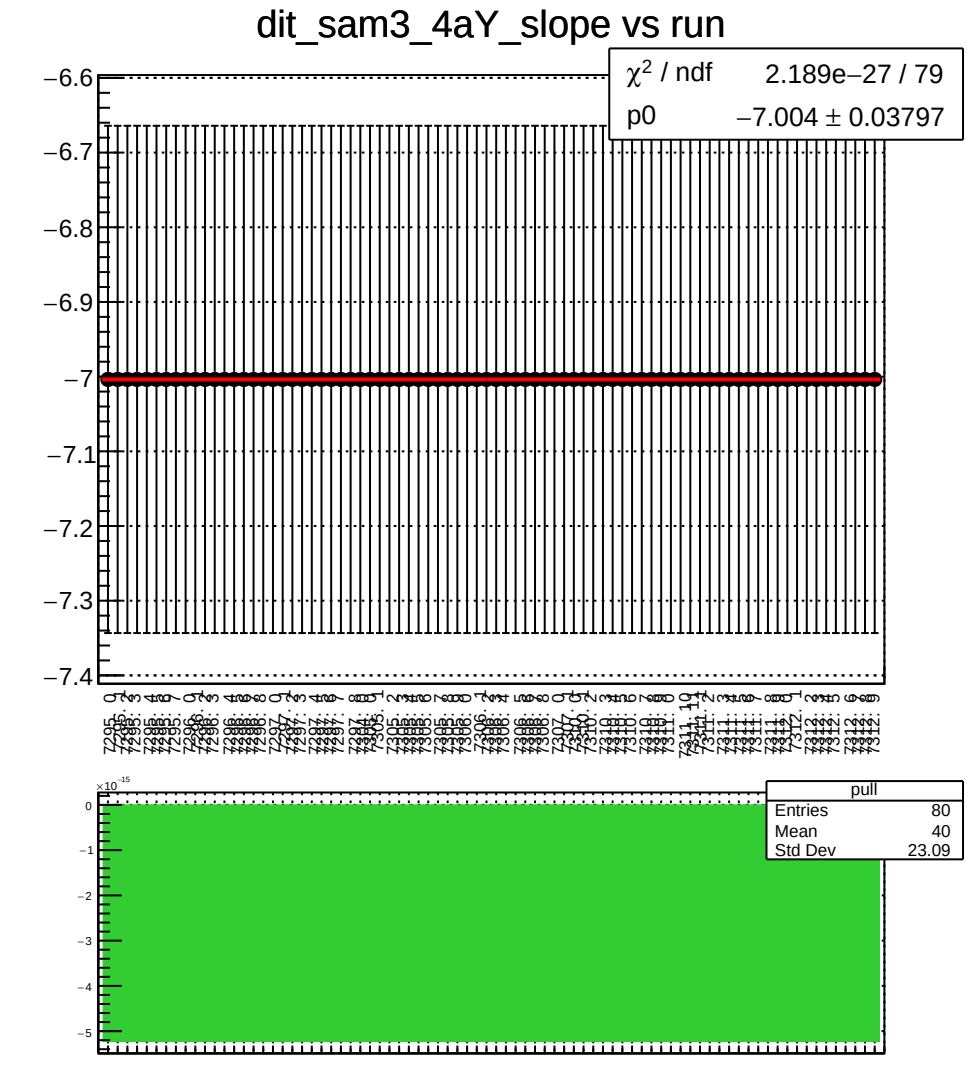

dit_sam3_4aX_slope vs run
χ² / ndf 2.52e−28 / 79
p0 −6.729 ± 0.3917
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.775e−15
Std Dev4.185e−23

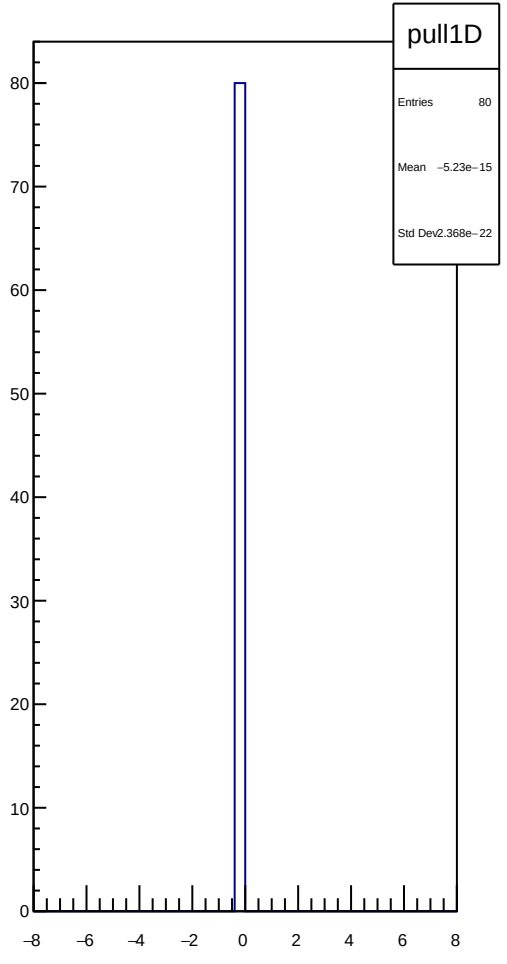

dit_sam3_4eX_slope vs run
χ² / ndf 0 / 79
p0 −70.94 ± 0.4558
pull
Entries 80
Mean 0
Std Dev 0

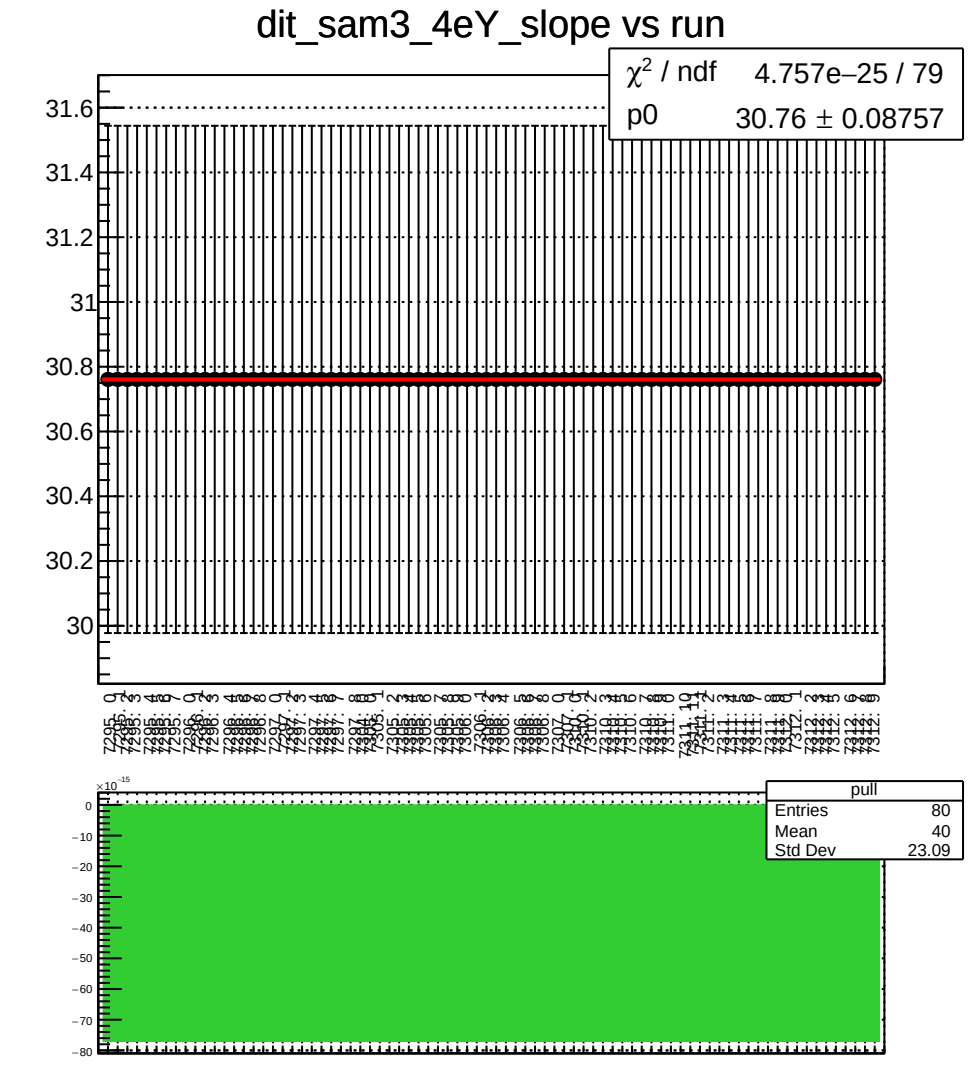

pull1D
Entries 80
Mean 0
Std Dev 0

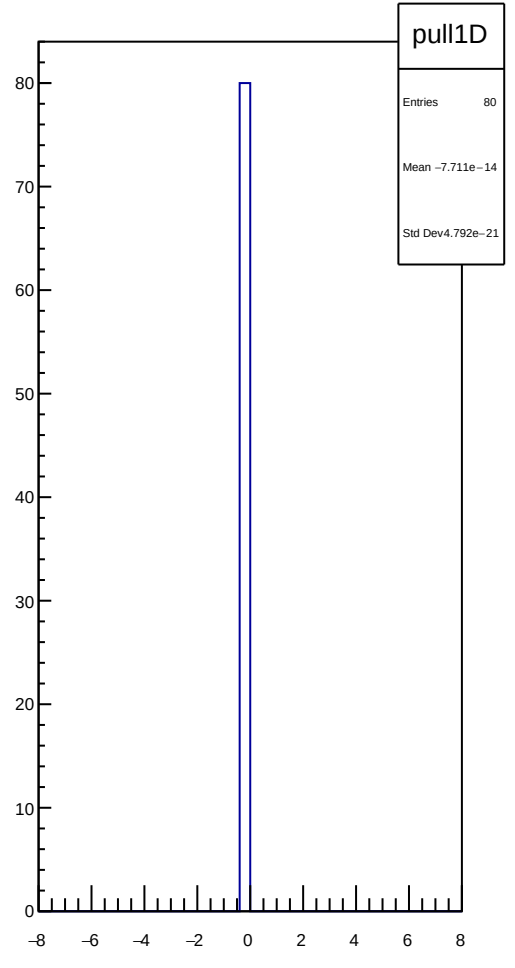

dit_sam3_11X12X_slope vs run
χ² / ndf 2.331e−27 / 79
p0 0.5518 ± 0.004599
pull
Entries 80
Mean 40
Std Dev 23.09

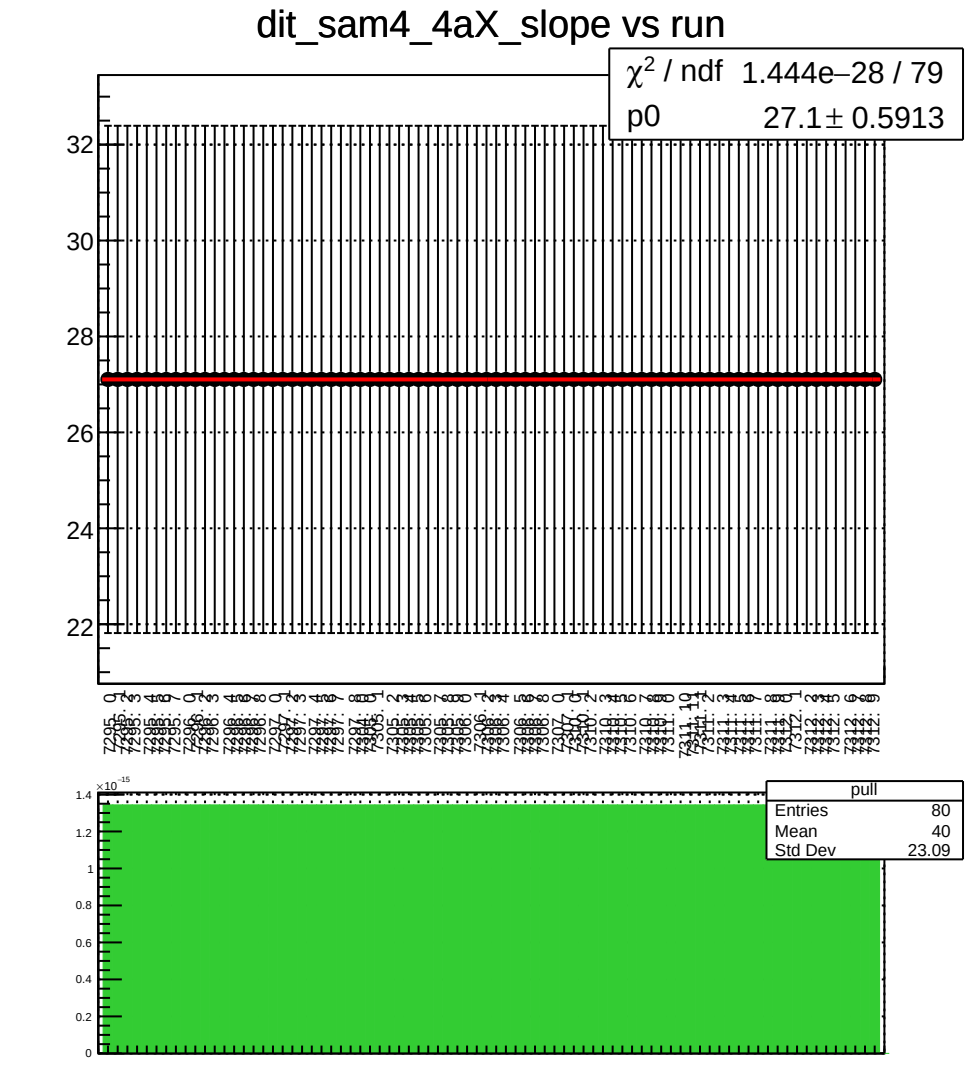

pull1D
Entries 80
Mean −5.398e−15
Std Dev 2.593e−22

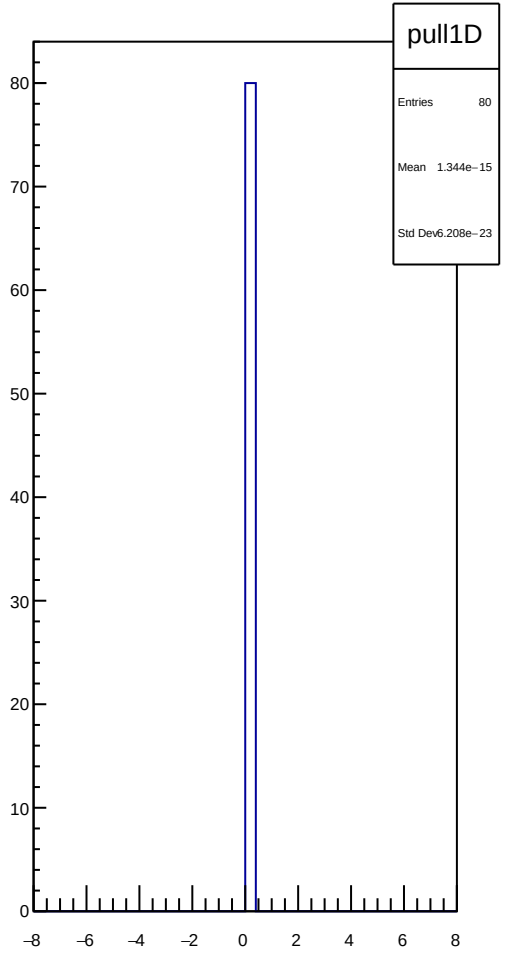

dit_sam3_4aY_slope vs run
χ² / ndf 2.189e−27 / 79
p0 −7.004 ± 0.03797
pull
Entries 80
Mean 40
Std Dev 23.09

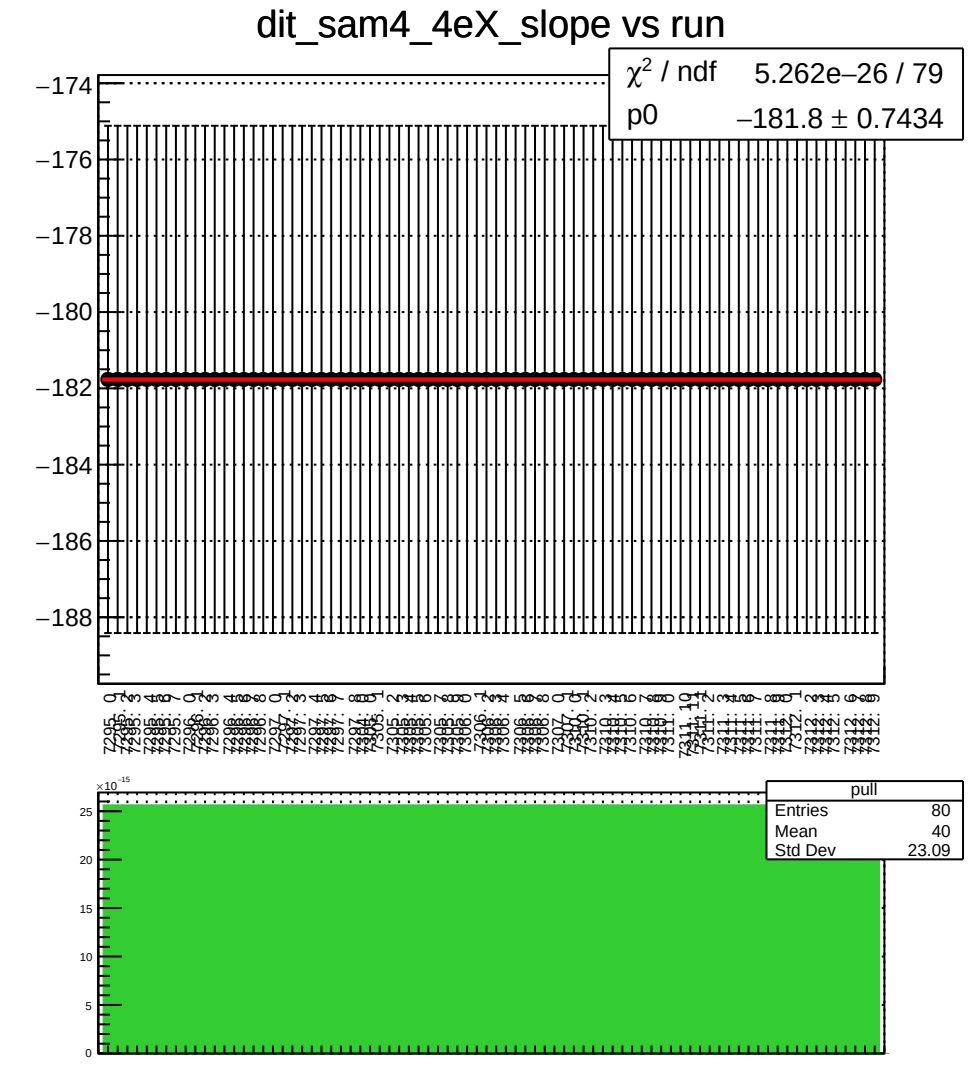

pull1D
Entries 80
Mean −5.23e−15
Std Dev 2.368e−22

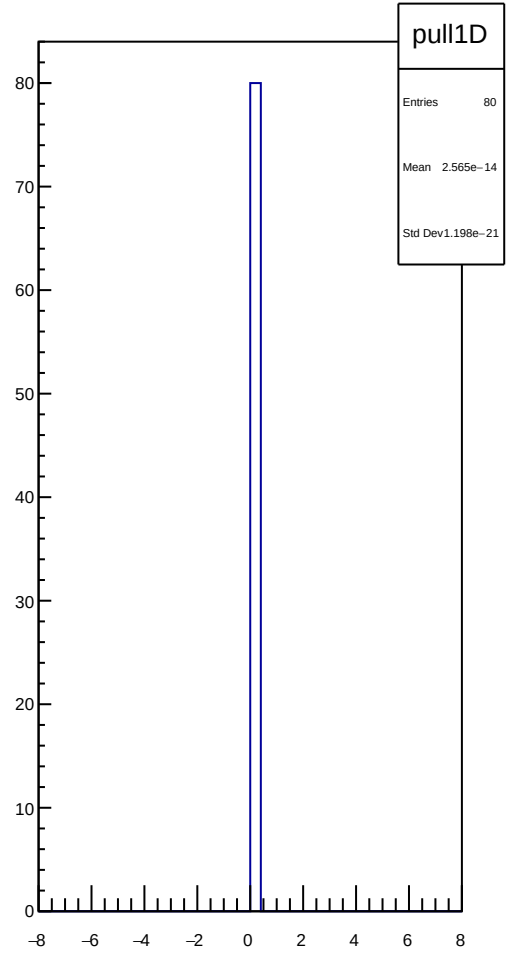

dit_sam3_4eY_slope vs run
χ² / ndf 4.757e−25 / 79
p0 30.76 ± 0.08757
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

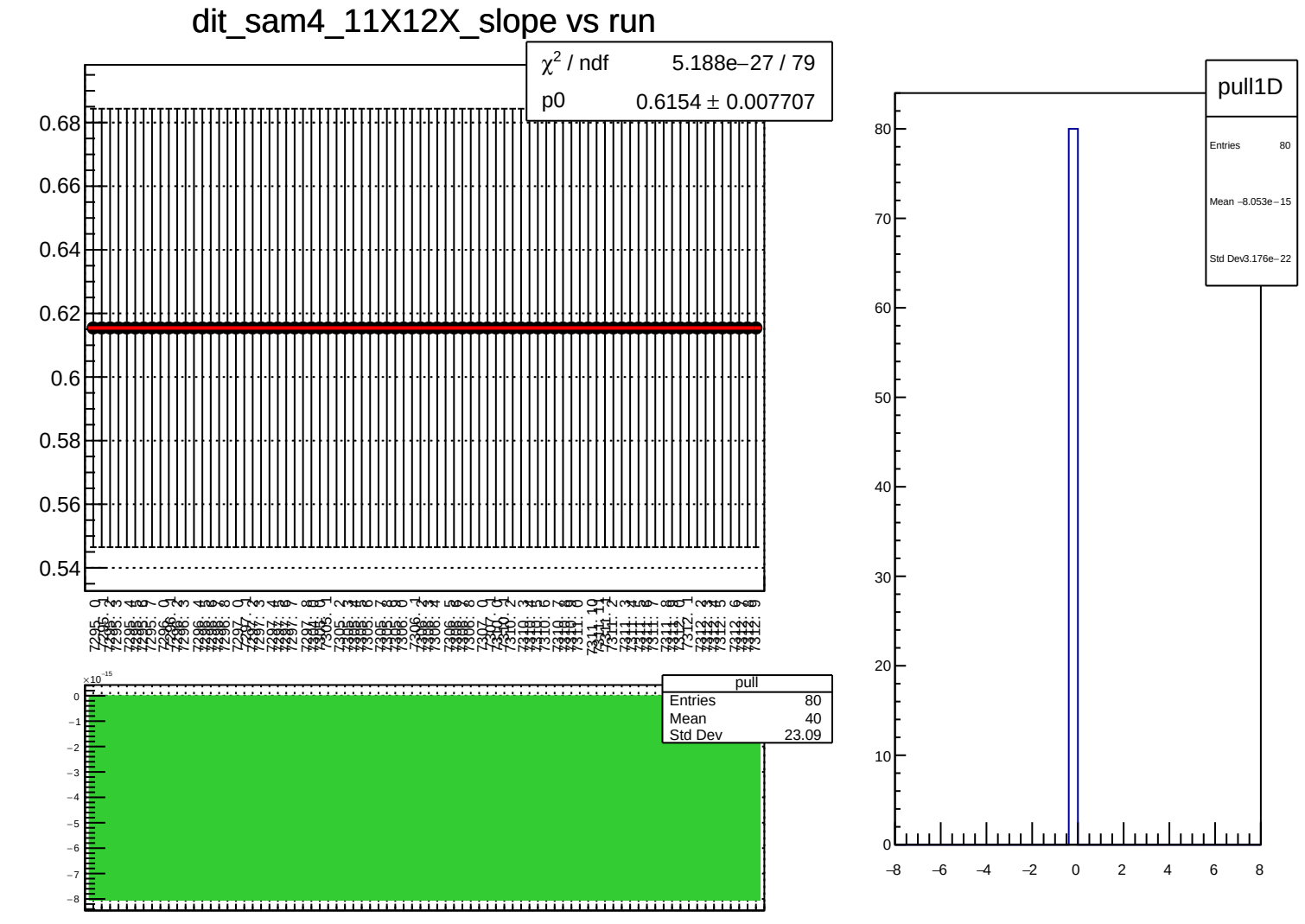

pull1D
Entries 80
Mean −7.711e−14
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

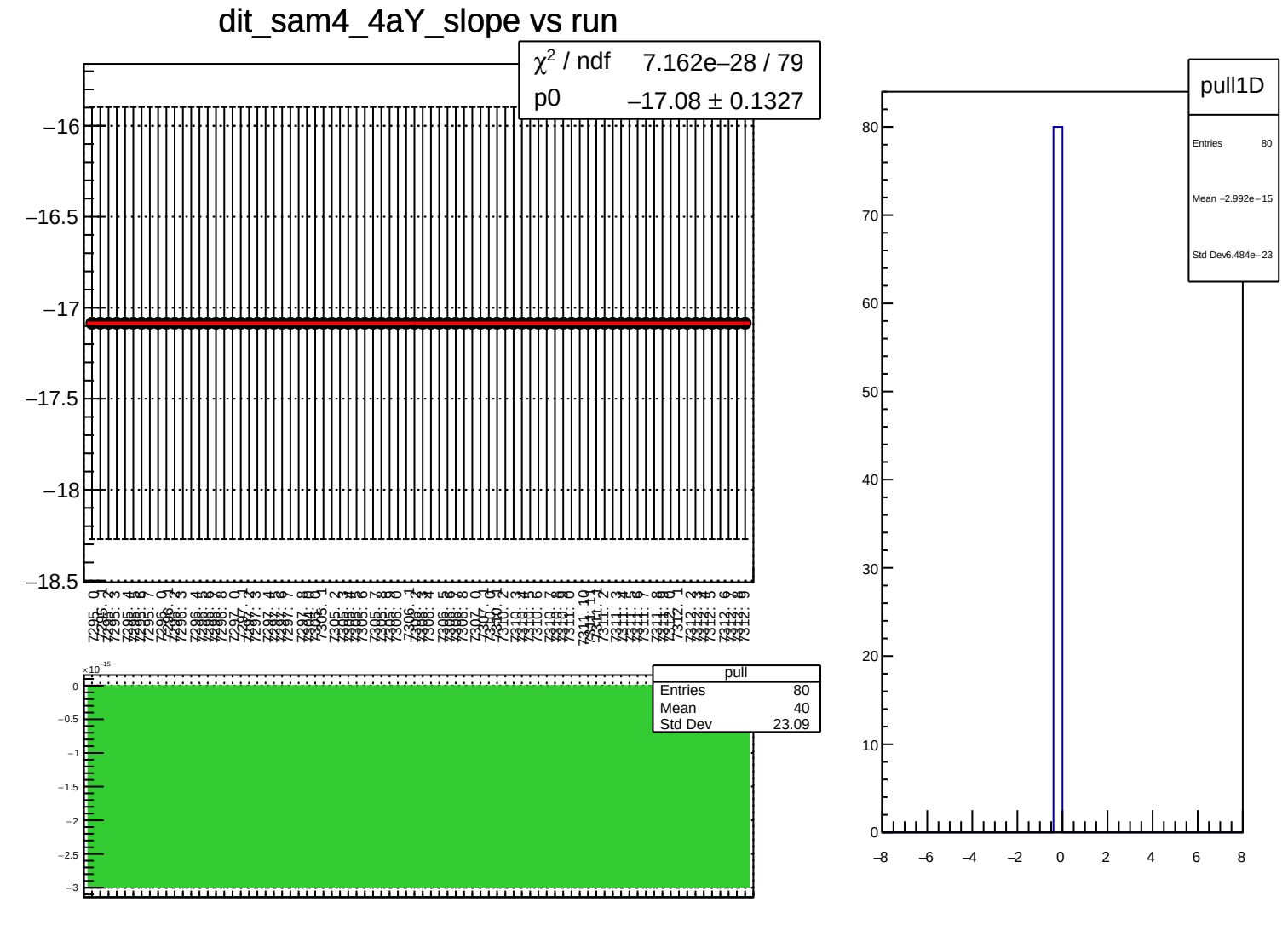

dit_sam4_4aX_slope vs run
χ² / ndf 1.444e−28 / 79
p0 27.1 ± 0.5913
pull
Entries 80
Mean 40
Std Dev 23.09

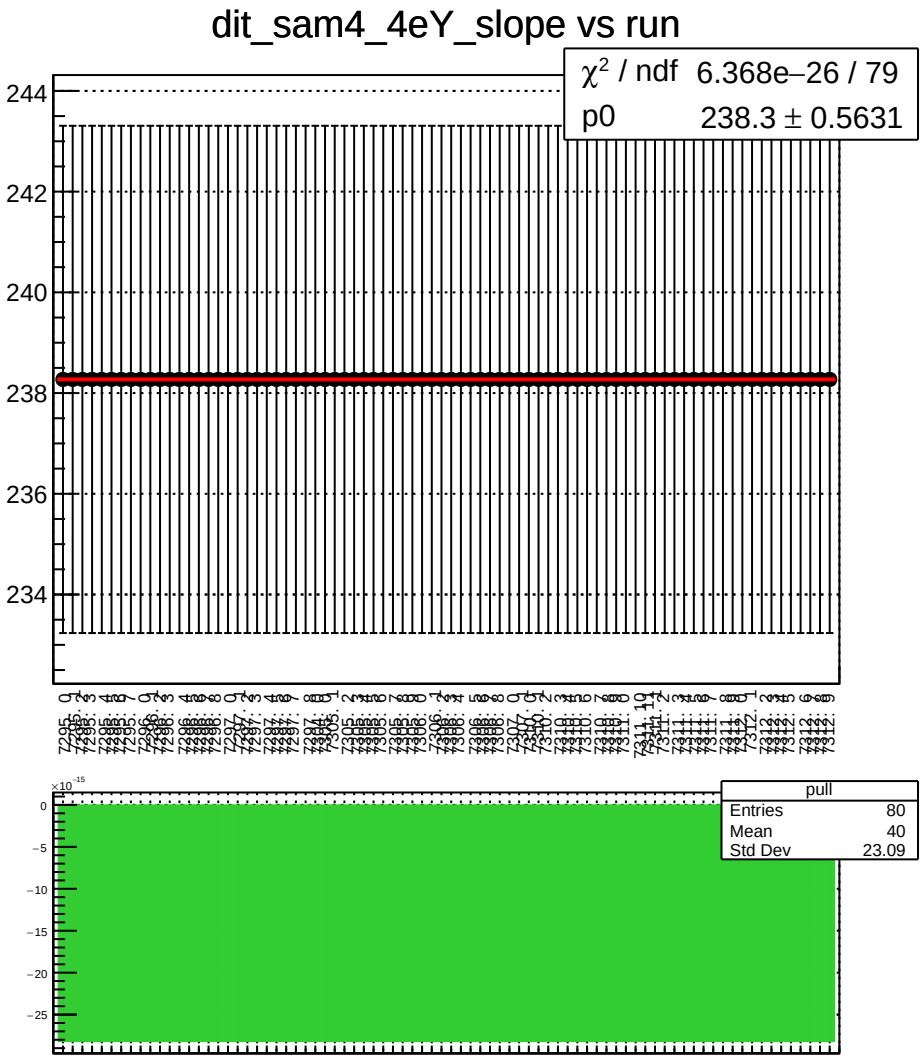

pull1D
Entries 80
Mean 1.344e−15
Std Dev 6.208e−23

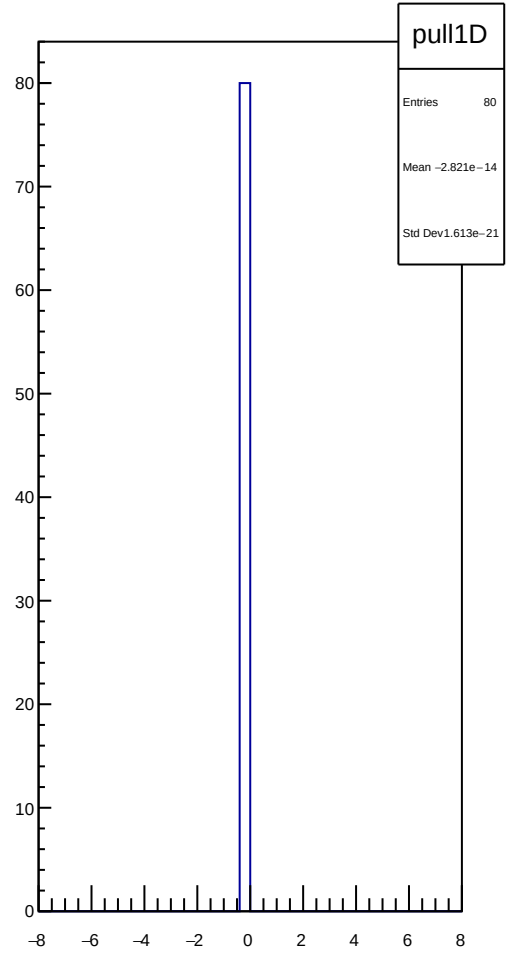

dit_sam4_4eX_slope vs run
χ² / ndf 5.262e−26 / 79
p0 −181.8 ± 0.7434
−174
−176
−178
−180
−182
−184
−186
−188
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0

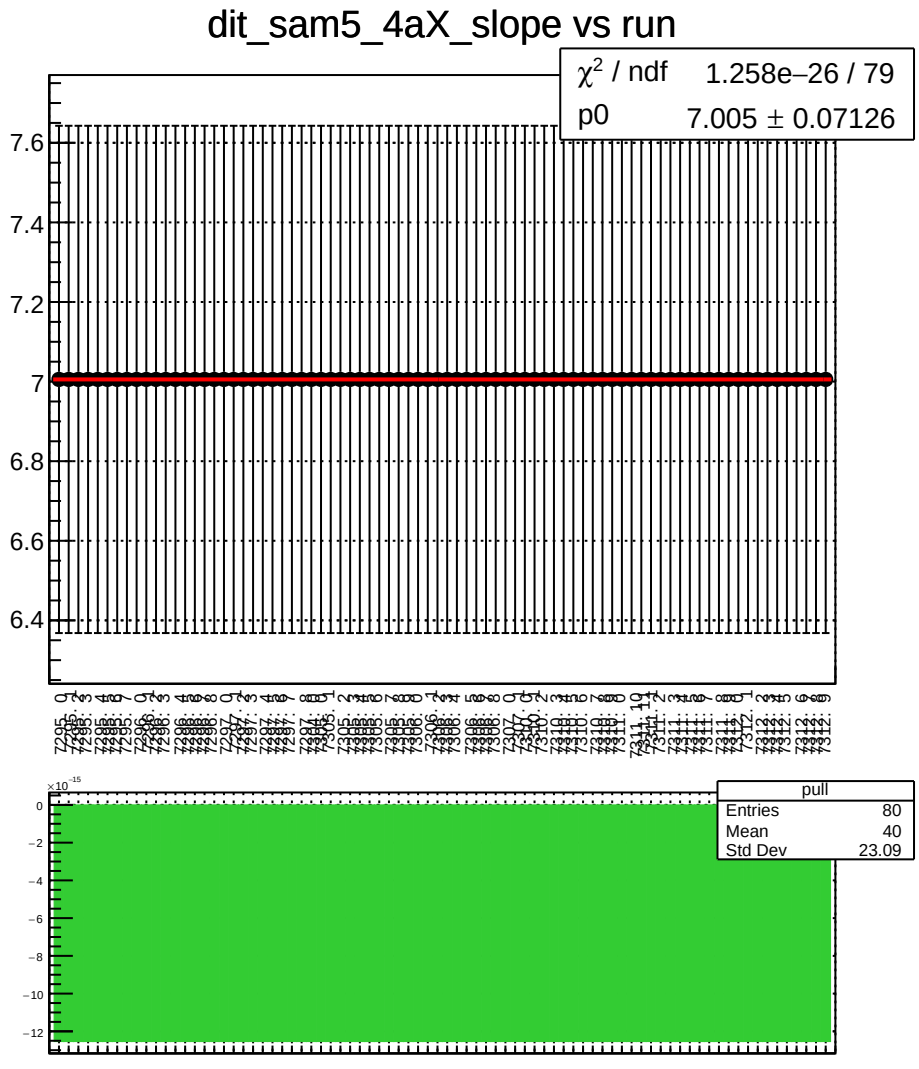

pull1D
Entries 80
Mean 2.565e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

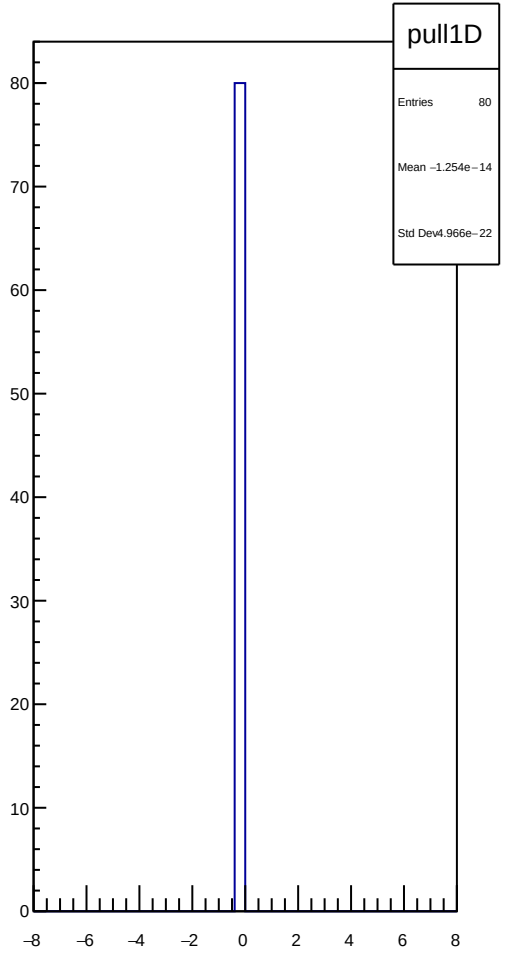

dit_sam4_11X12X_slope vs run
χ² / ndf 5.188e−27 / 79
p0 0.6154 ± 0.007707
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean −8.053e−15
Std Dev 3.176e−22

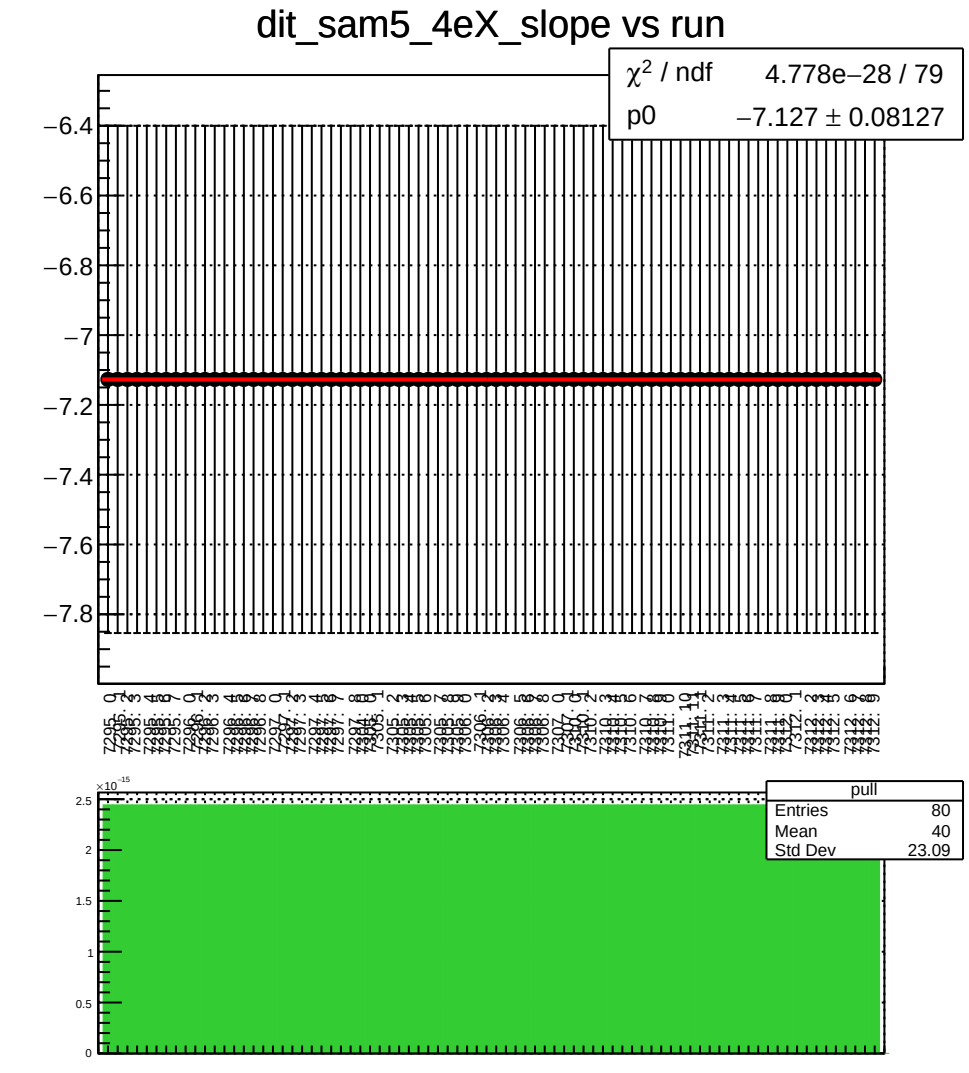

dit_sam4_4aY_slope vs run
χ² / ndf 7.162e−28 / 79
p0 −17.08 ± 0.1327
−16
−16.5
−17
−17.5
−18
−18.5
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.992e−15
Std Dev 6.484e−23

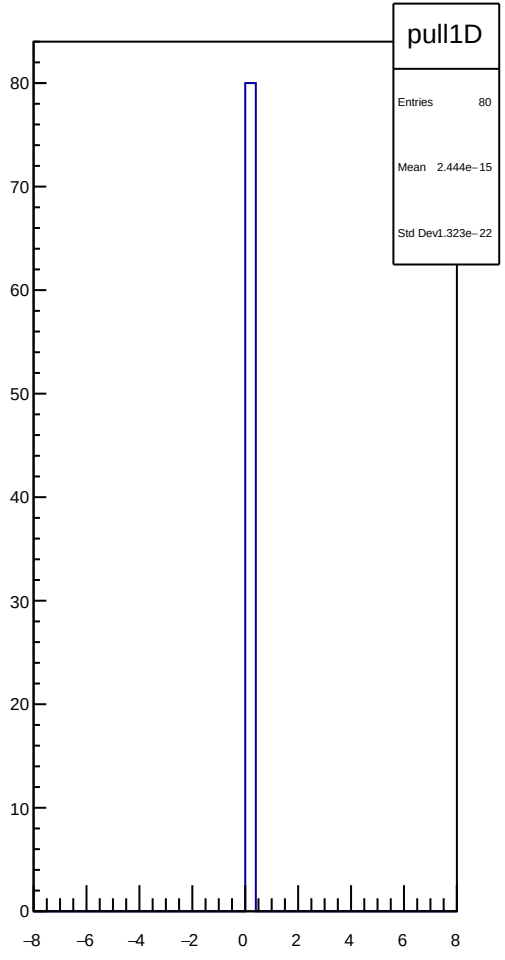

dit_sam4_4eY_slope vs run
χ² / ndf 6.368e−26 / 79
p0 238.3 ± 0.5631
244
242
240
238
236
234
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25

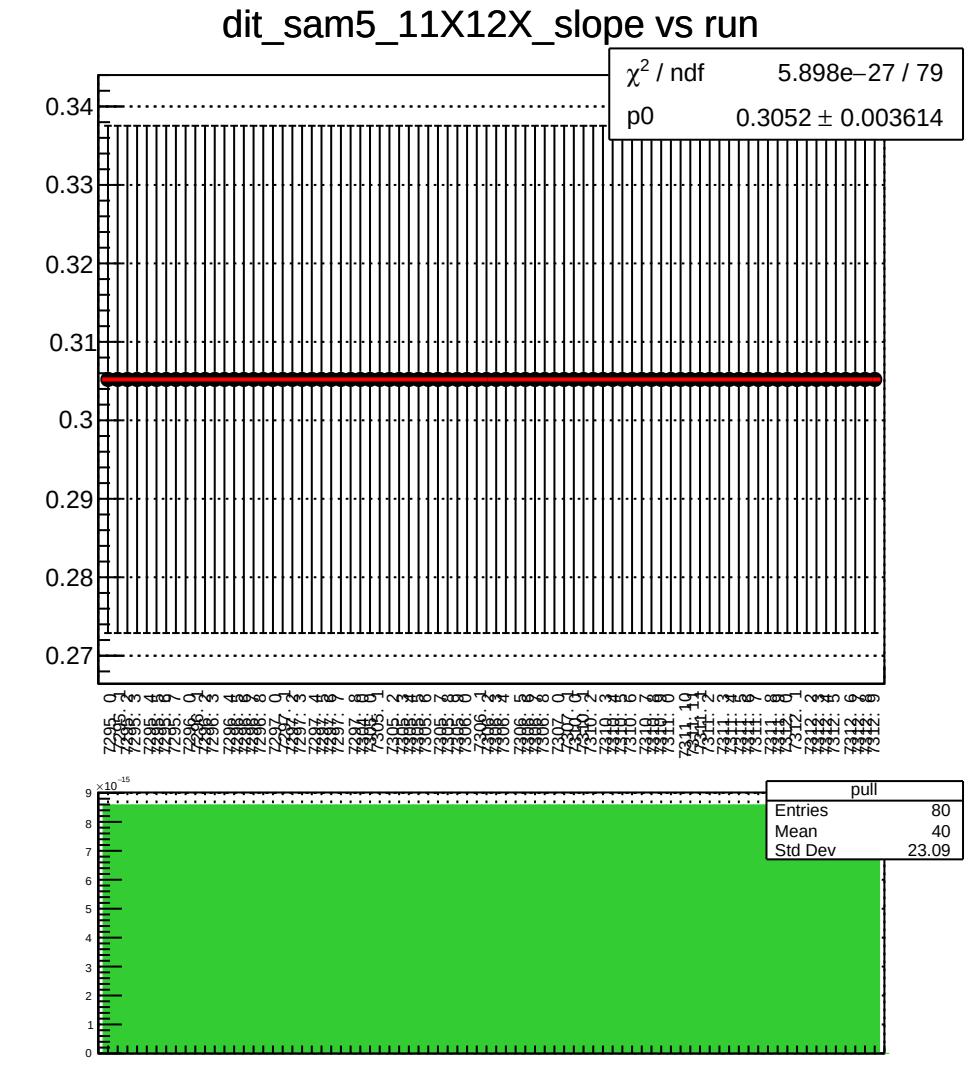

pull1D
Entries 80
Mean −2.821e−14
Std Dev1.613e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

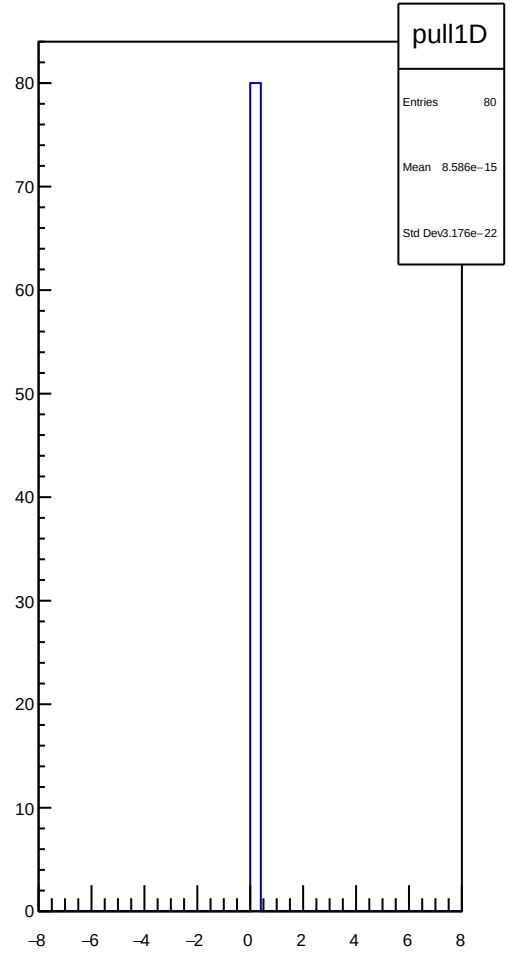

dit_sam5_4aX_slope vs run
χ² / ndf 1.258e−26 / 79
p0 7.005 ± 0.07126
pull
Entries 80
Mean 40
Std Dev 23.09

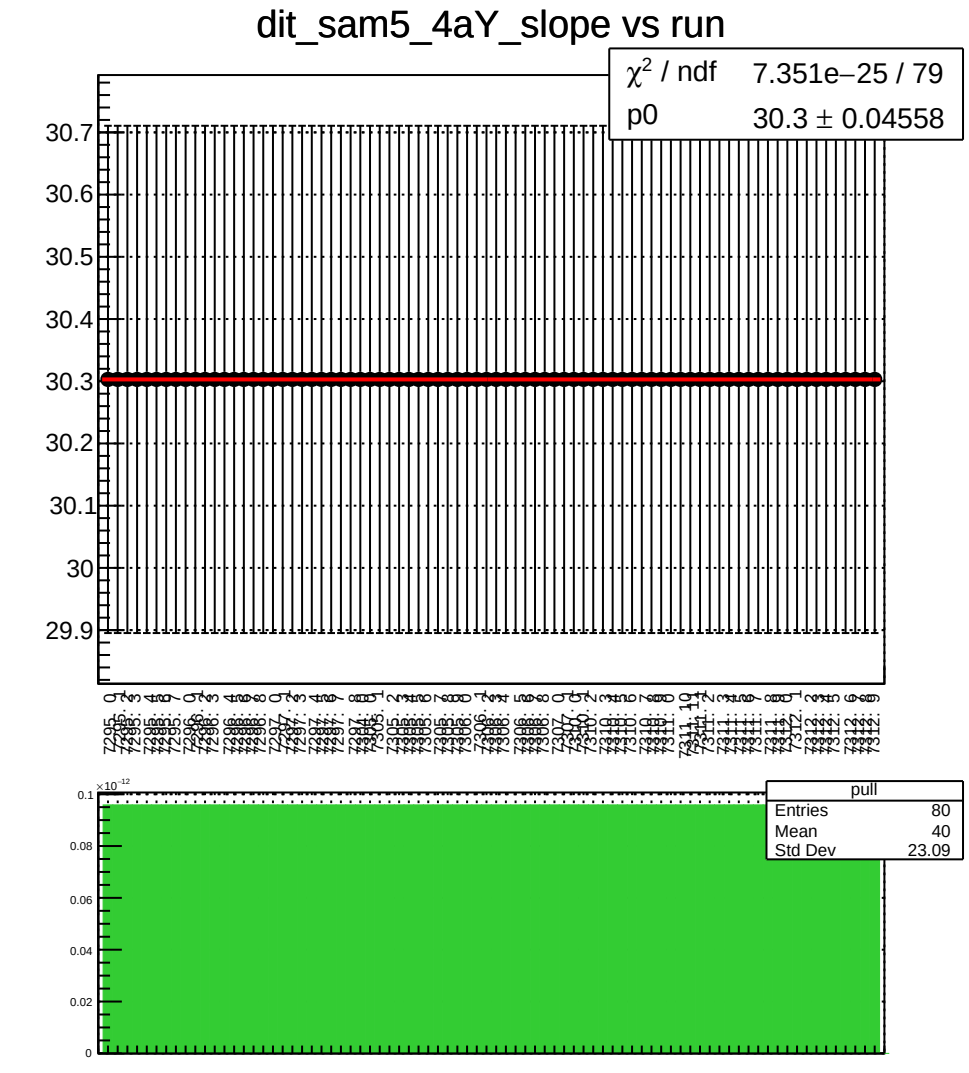

pull1D
Entries 80
Mean −1.254e−14
Std Dev4.966e−22

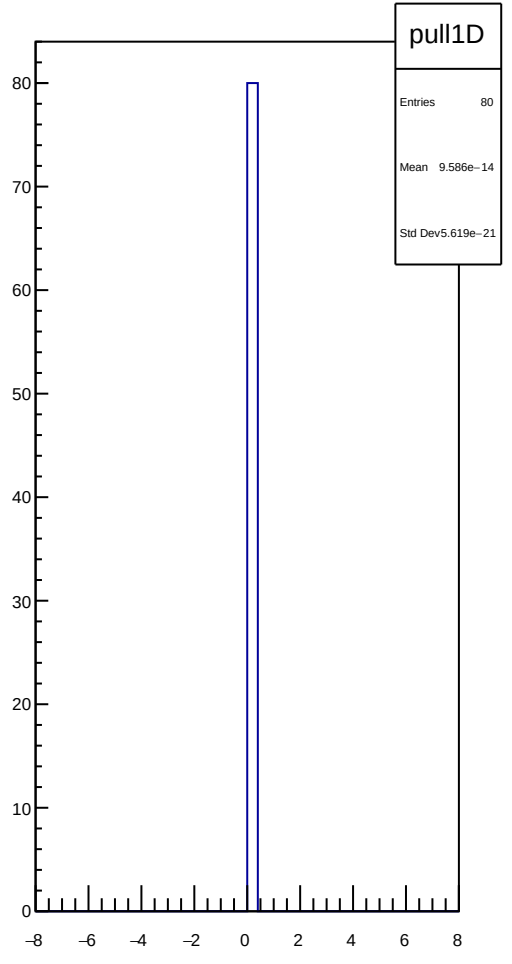

dit_sam5_4eX_slope vs run
χ² / ndf 4.778e−28 / 79
p0 −7.127 ± 0.08127
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

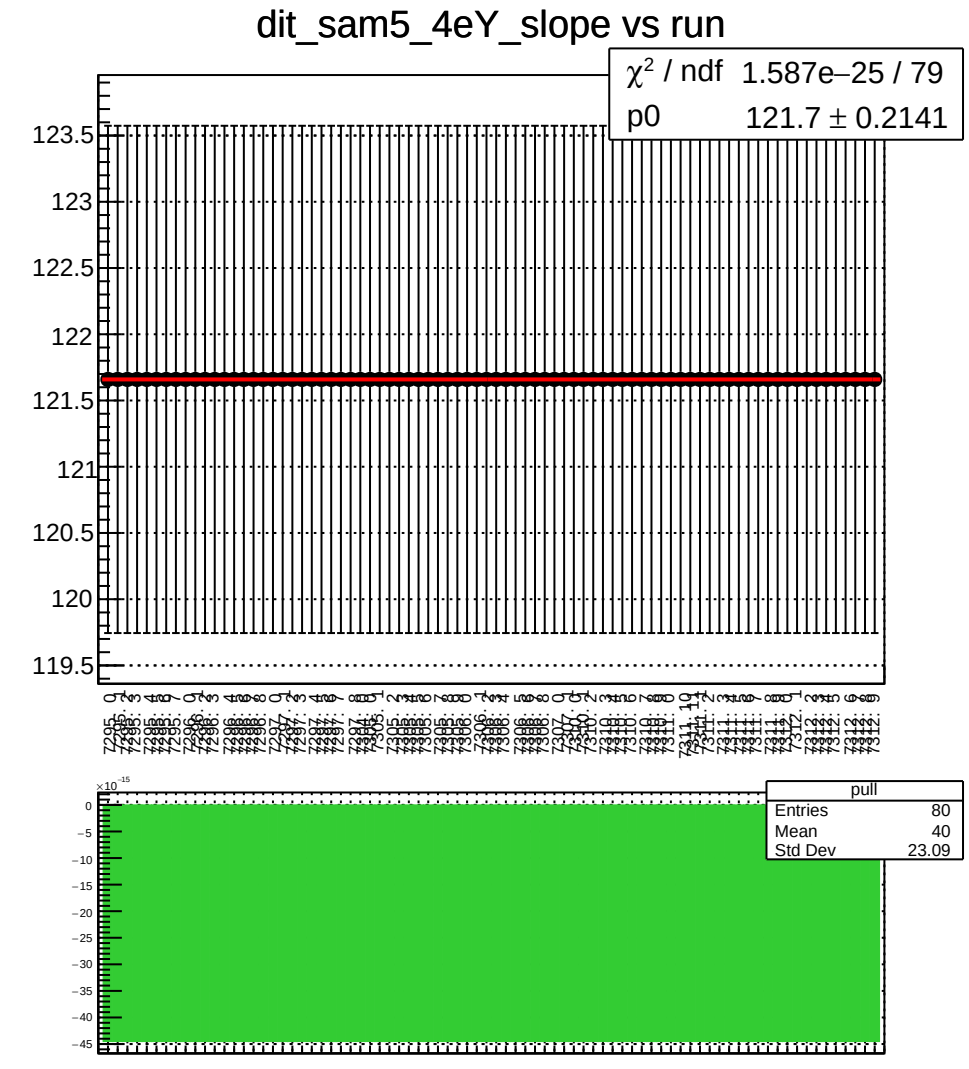

pull1D
Entries 80
Mean 2.444e−15
Std Dev1.323e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

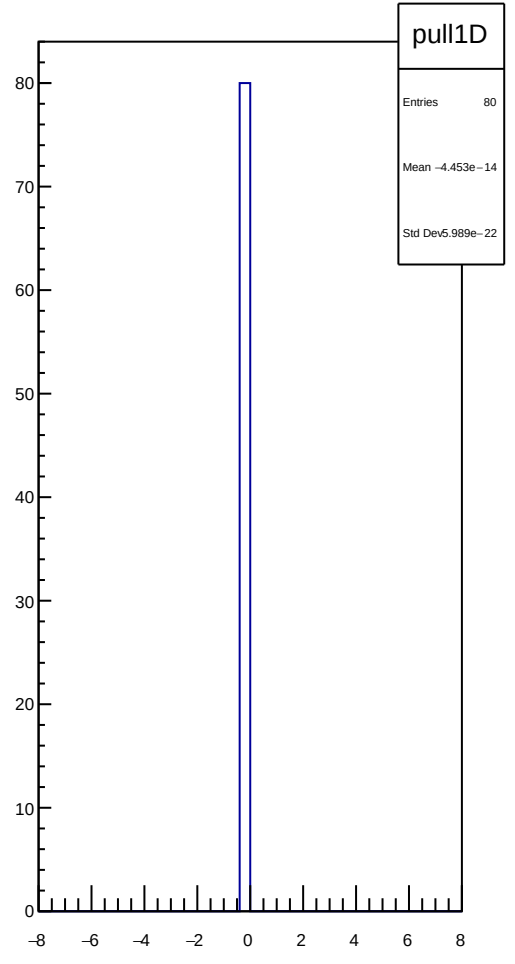

dit_sam5_11X12X_slope vs run
χ² / ndf 5.898e−27 / 79
p0 0.3052 ± 0.003614
0.34
0.33
0.32
0.31
0.3
0.29
0.28
0.27
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

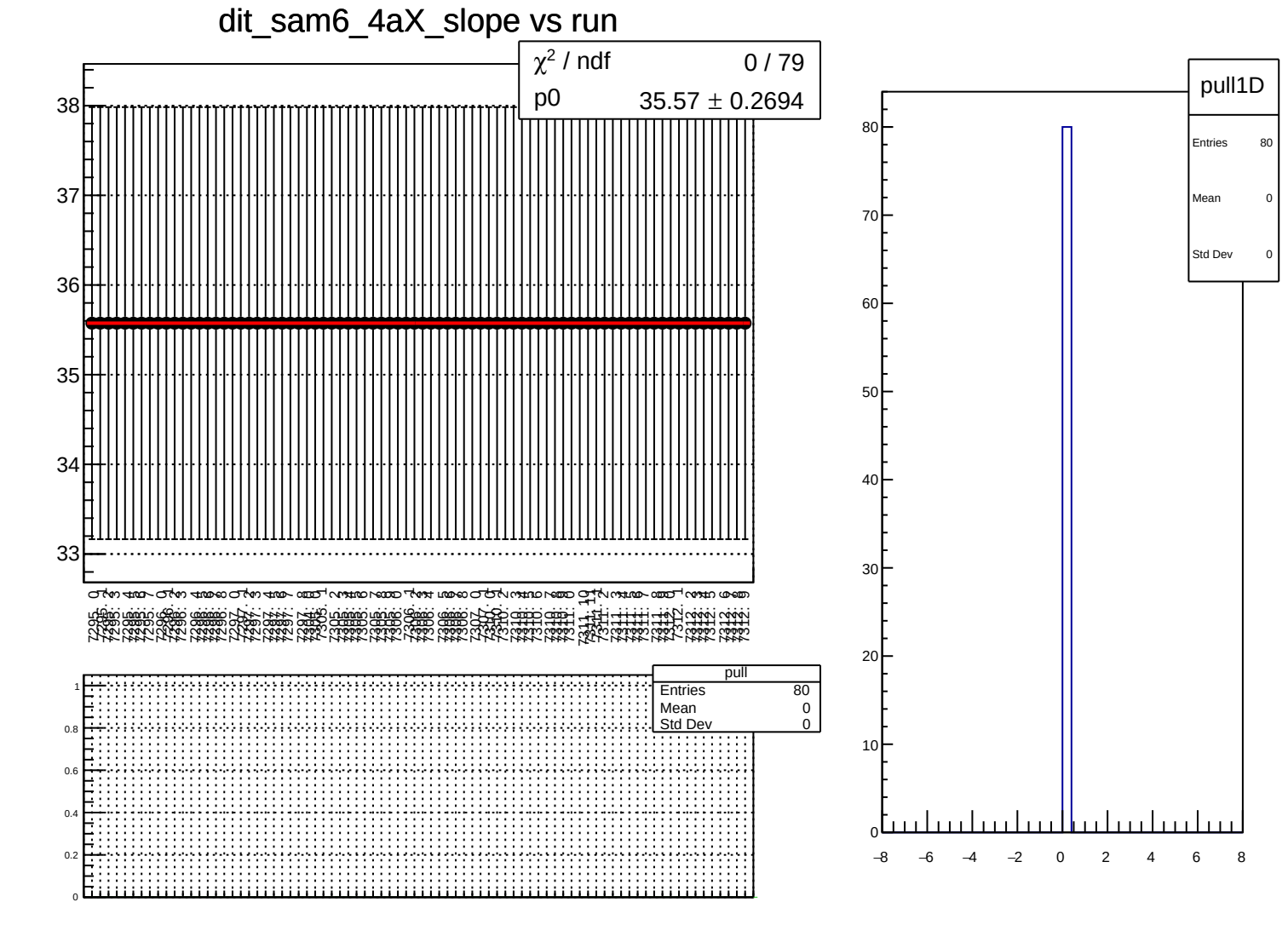

pull1D
Entries 80
Mean 8.586e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

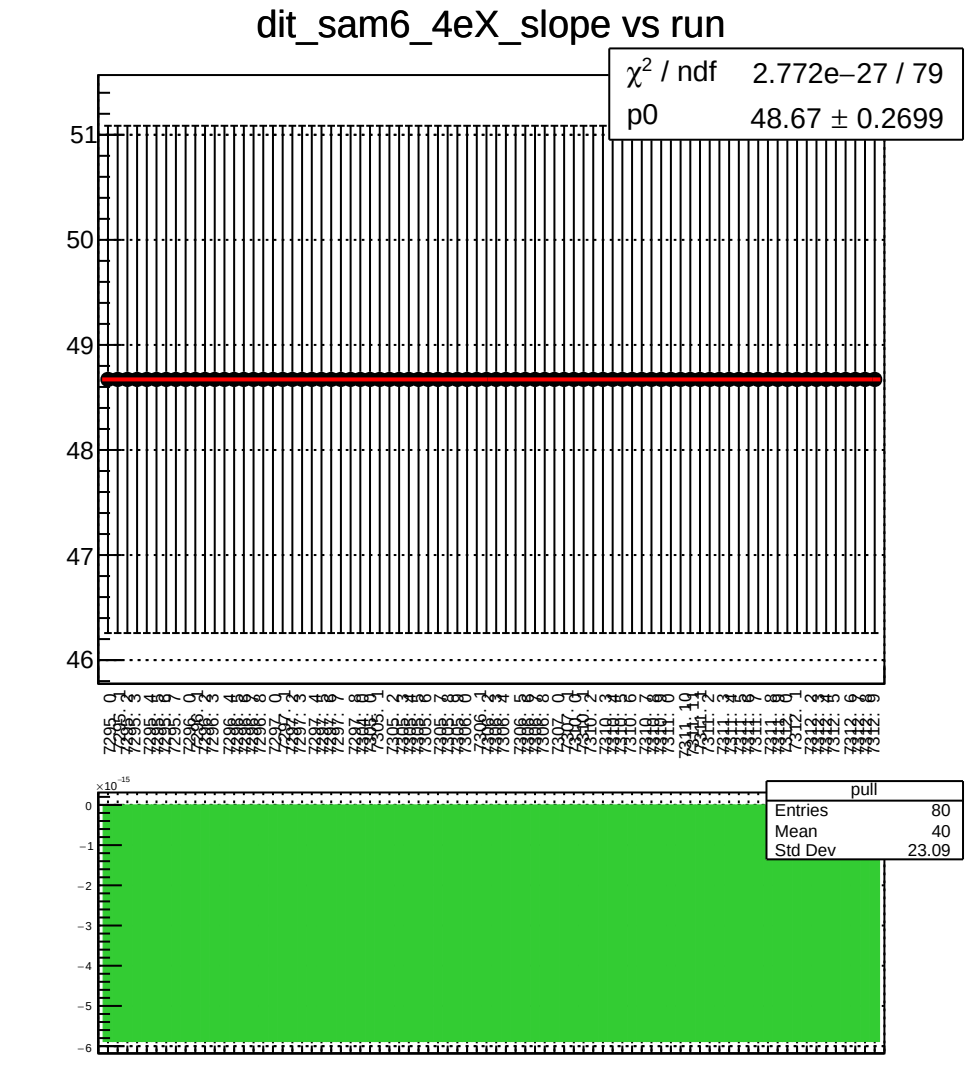

dit_sam5_4aY_slope vs run
χ² / ndf 7.351e−25 / 79
p0 30.3 ± 0.04558
30.7
30.6
30.5
30.4
30.3
30.2
30.1
30
29.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

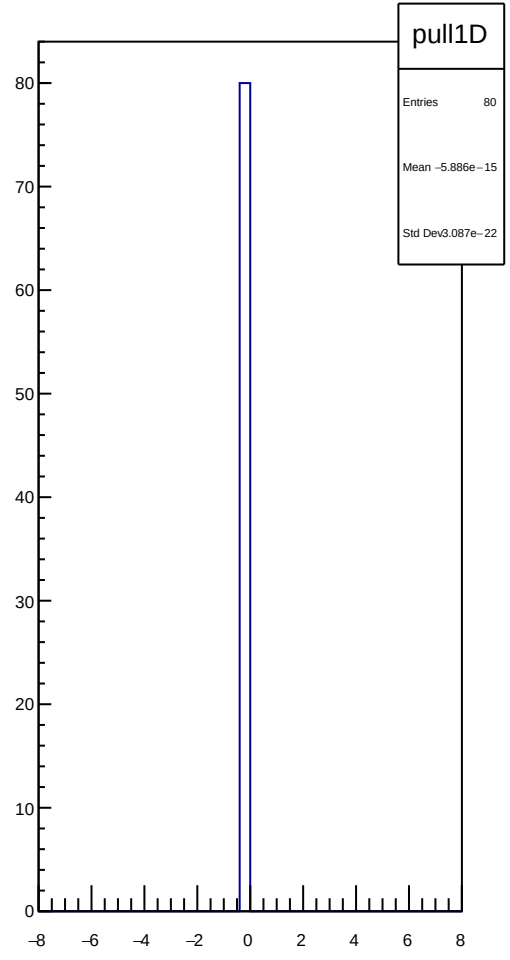

pull1D
Entries 80
Mean 9.586e−14
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

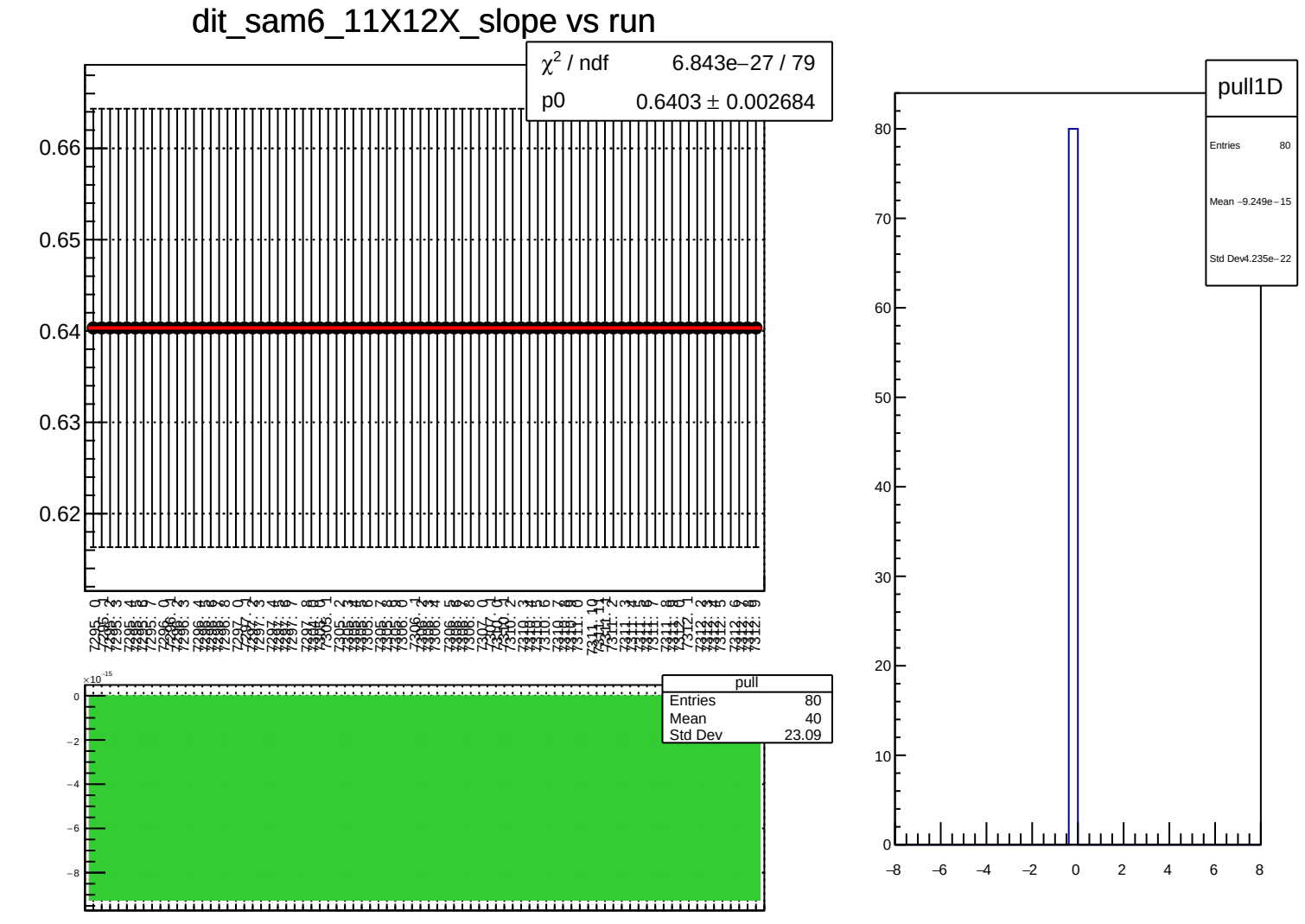

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.587e−25 / 79
p0 121.7 ± 0.2141
123.5
123
122.5
122
121.5
121
120.5
120
119.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

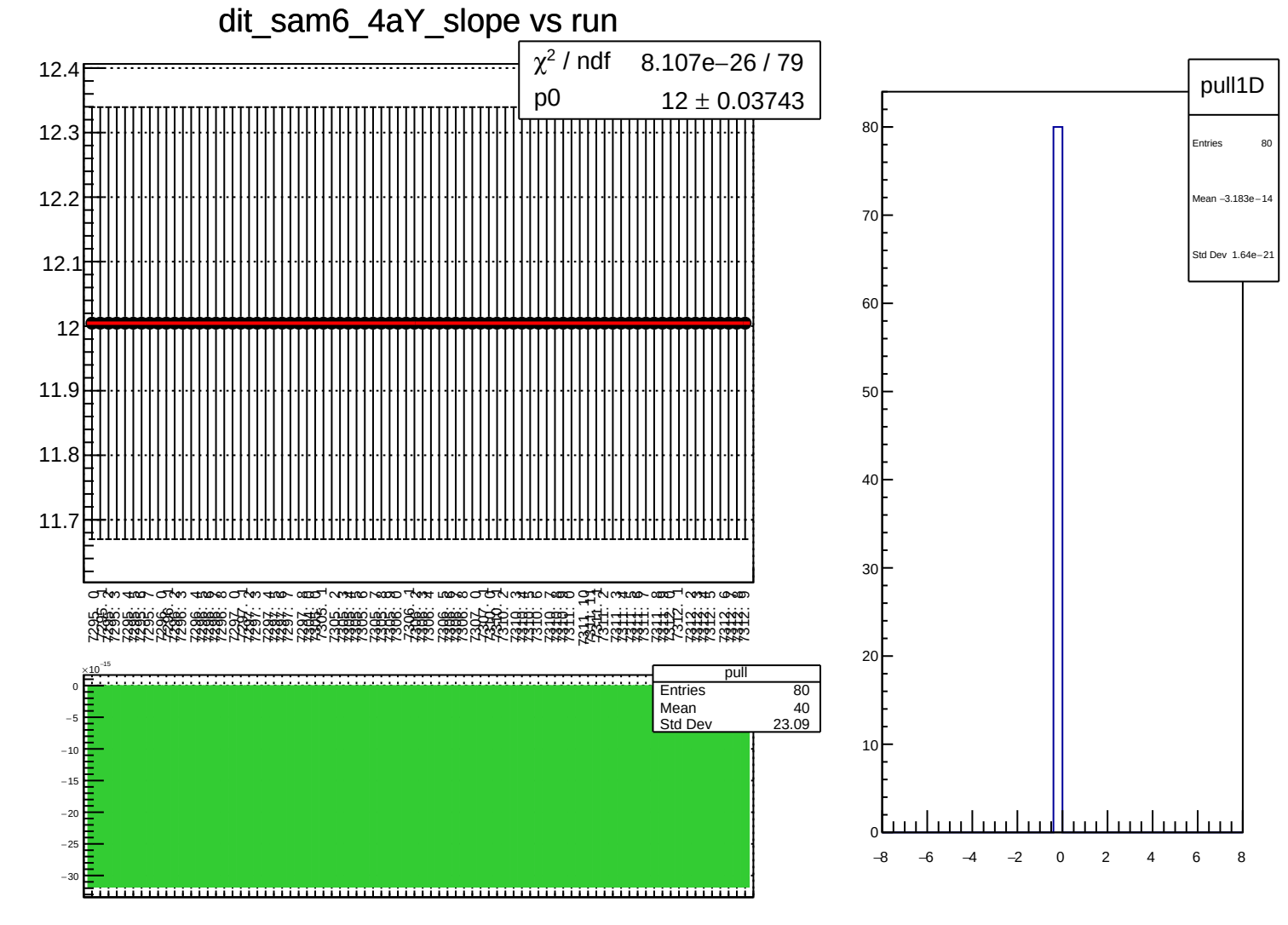

pull1D
Entries 80
Mean −4.453e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

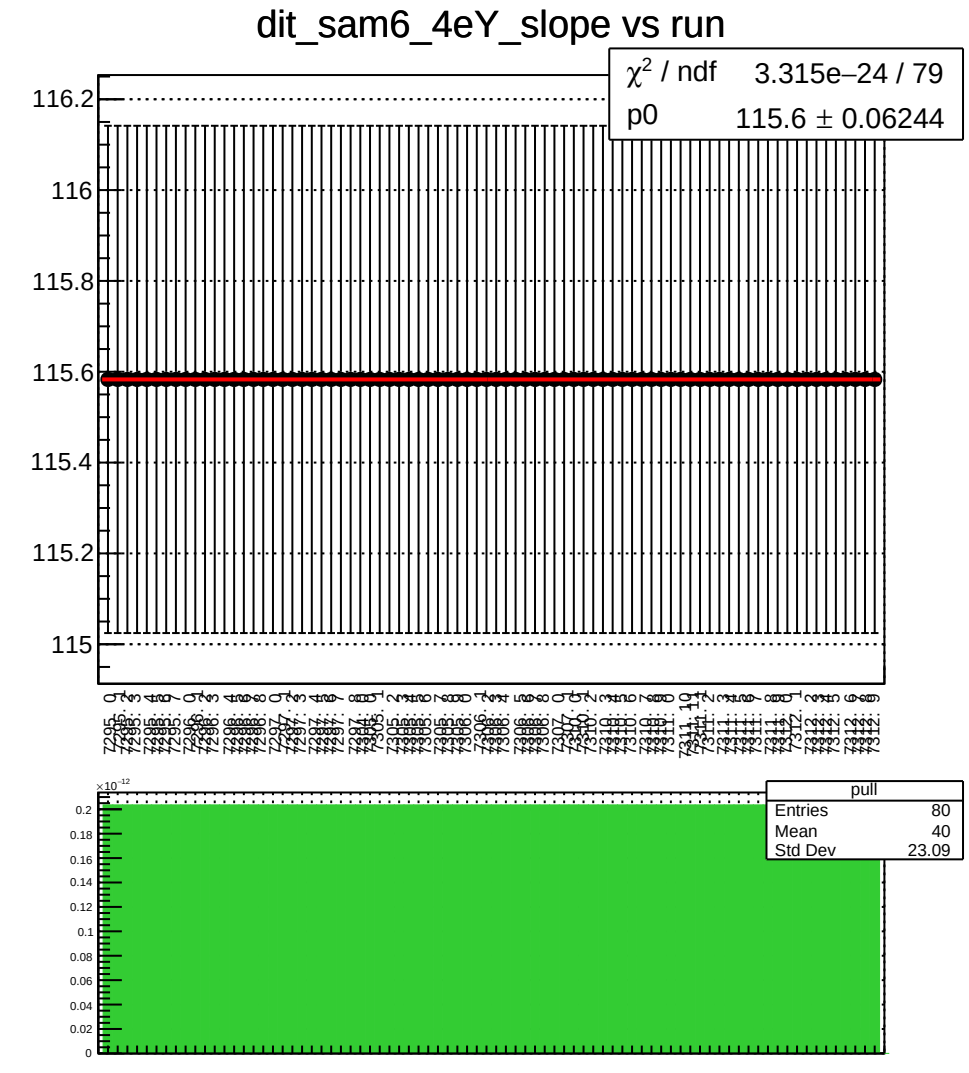

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 79
p0 35.57 ± 0.2694
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

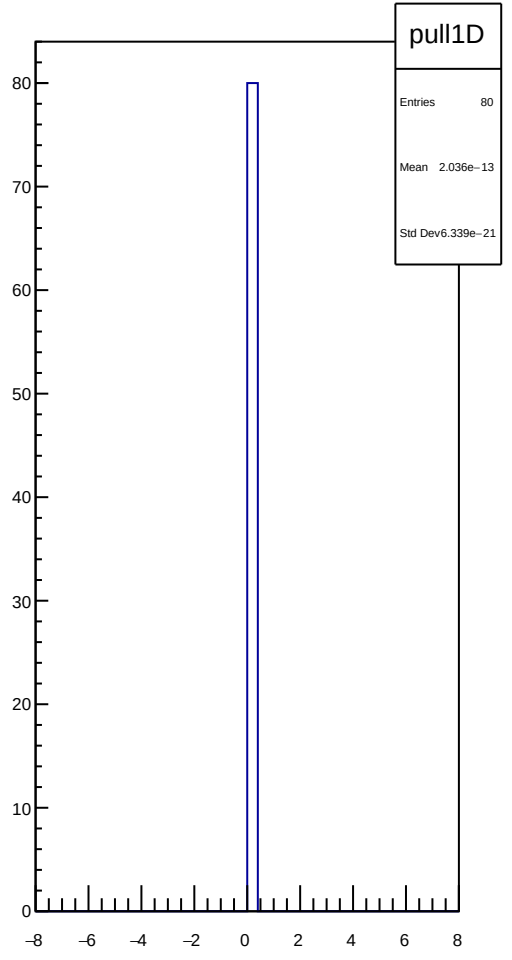

dit_sam6_4eX_slope vs run
χ² / ndf 2.772e−27 / 79
p0 48.67 ± 0.2699
pull
Entries 80
Mean 40
Std Dev 23.09

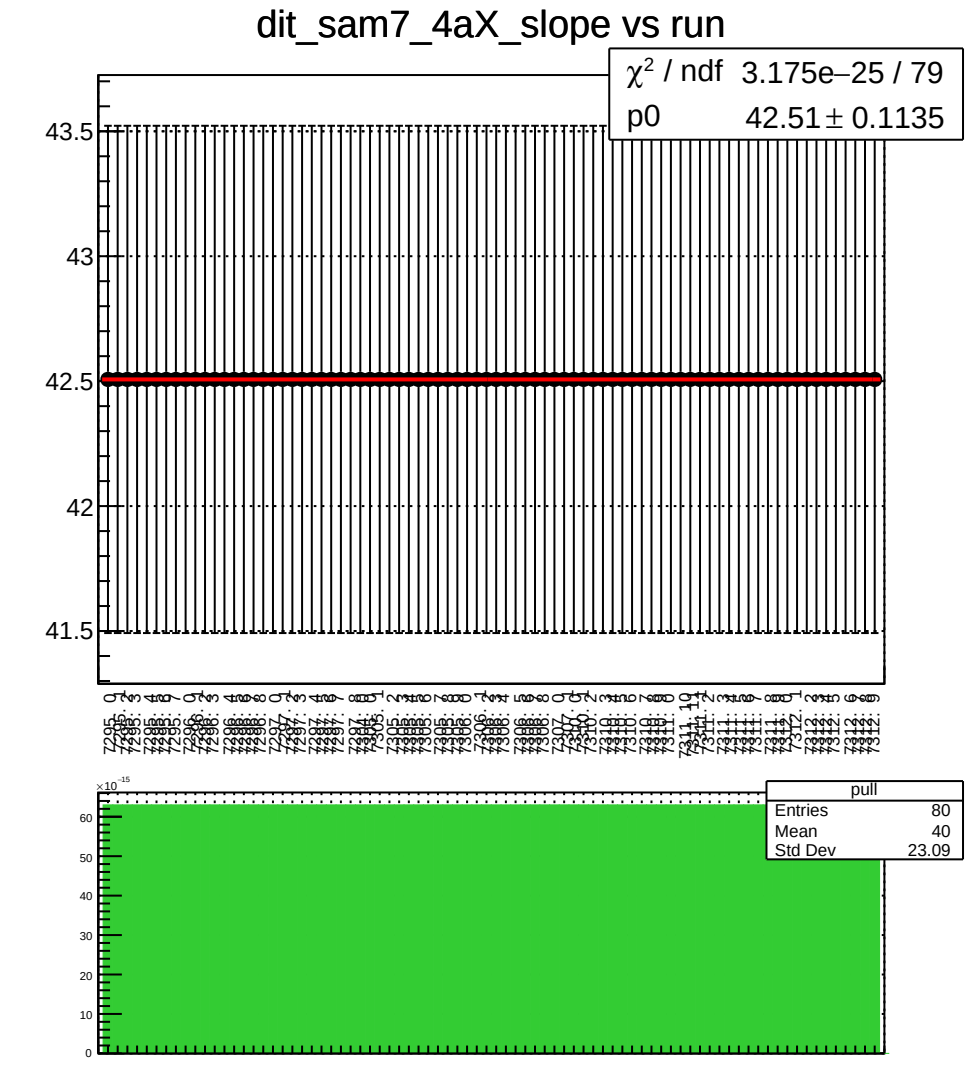

pull1D
Entries 80
Mean −5.886e−15
Std Dev3.087e−22

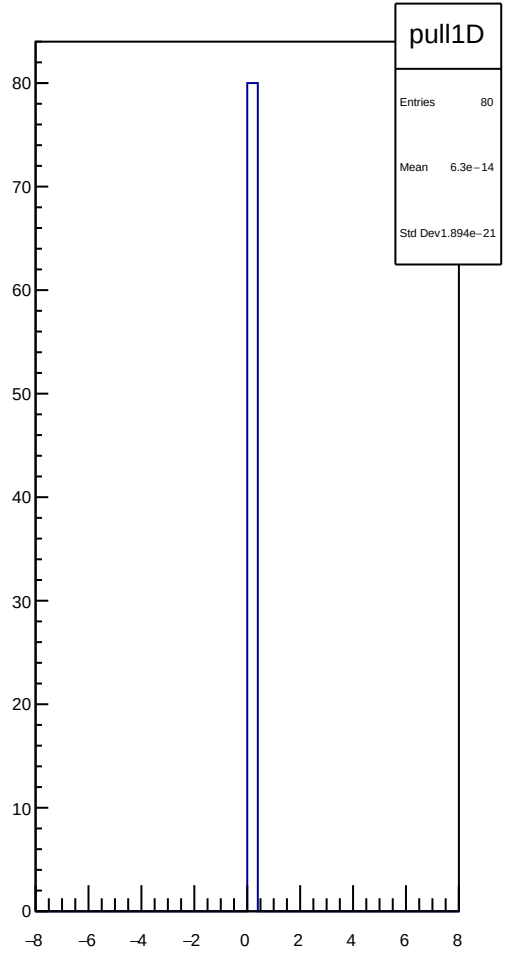

dit_sam6_11X12X_slope vs run
χ² / ndf 6.843e−27 / 79
p0 0.6403 ± 0.002684
0.66
0.65
0.64
0.63
0.62
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
pull1D
Entries 80
Mean −9.249e−15
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

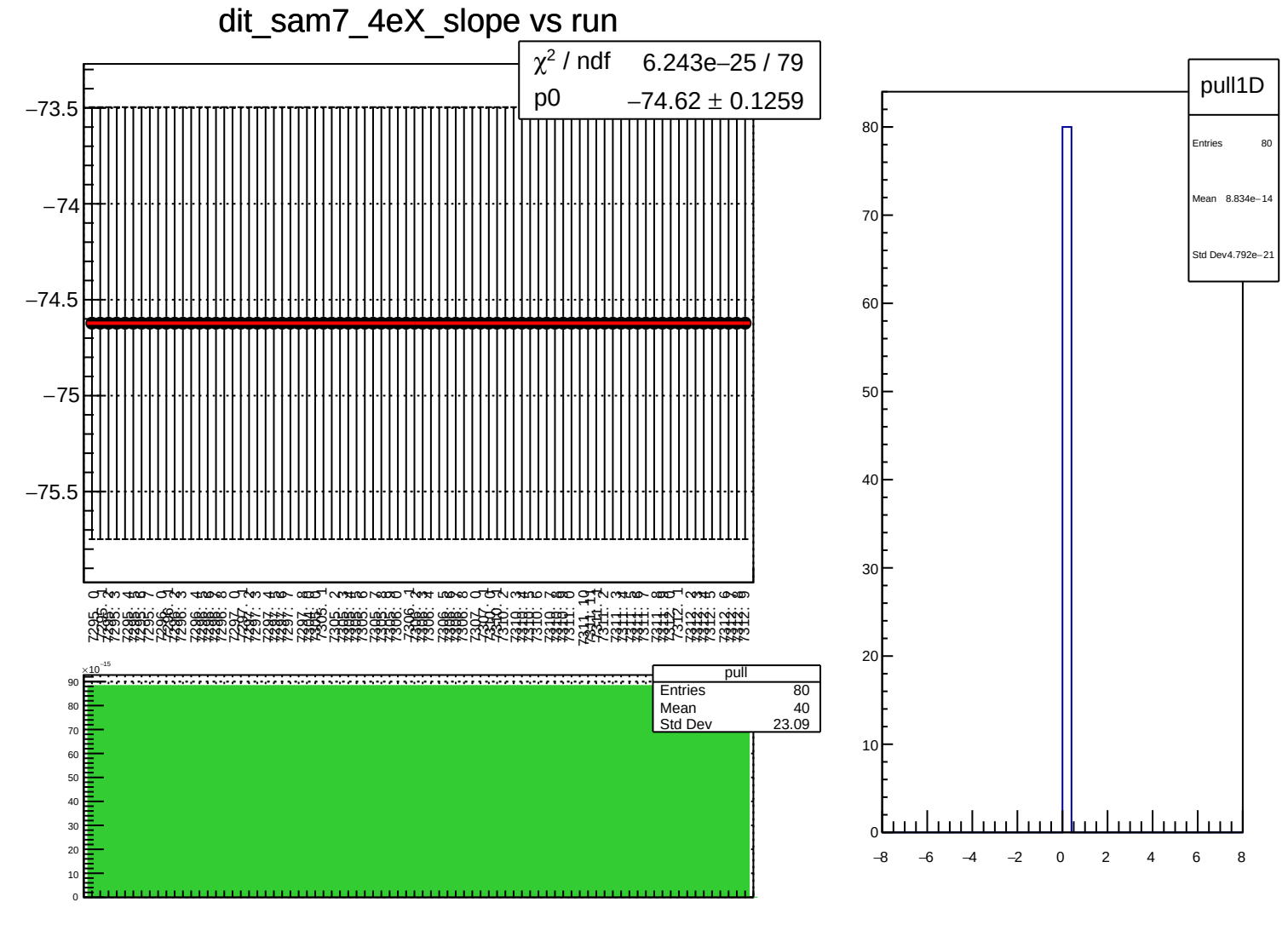

dit_sam6_4aY_slope vs run
χ² / ndf 8.107e−26 / 79
p0 12 ± 0.03743
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.183e−14
Std Dev 1.64e−21

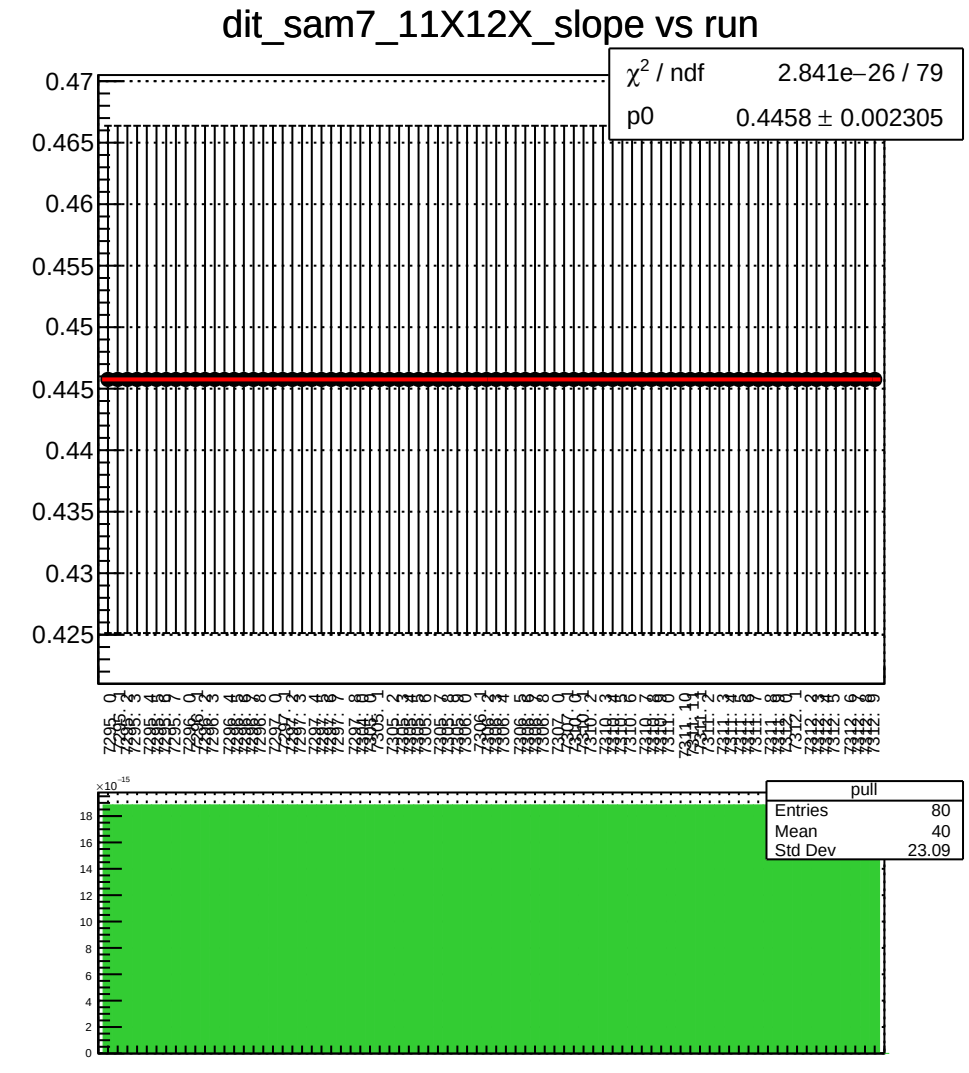

dit_sam6_4eY_slope vs run
χ^2 / ndf 3.315e−24 / 79
p0 115.6 ± 0.06244
116.2
116
115.8
115.6
115.4
115.2
115
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

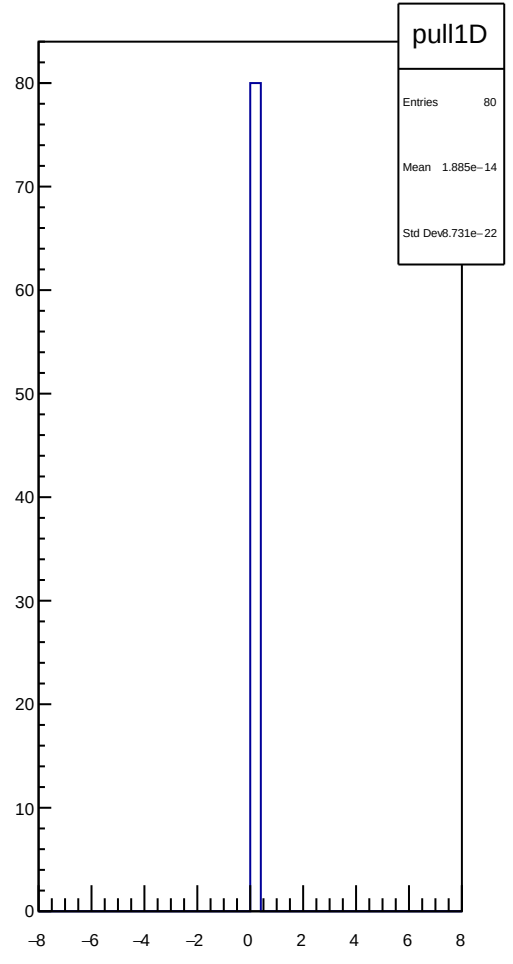

pull1D
Entries 80
Mean 2.036e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

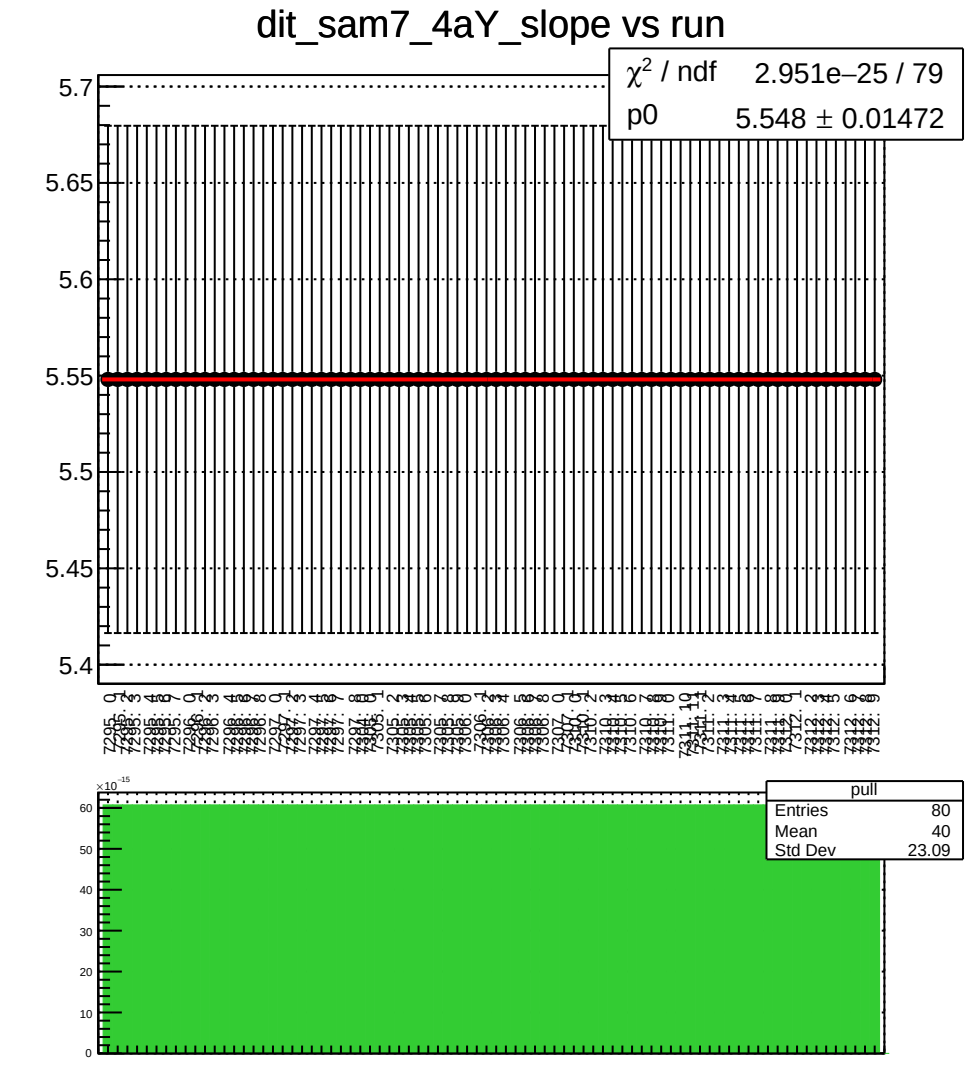

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.175e−25 / 79
p0 42.51 ± 0.1135
43.5
43
42.5
42
41.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

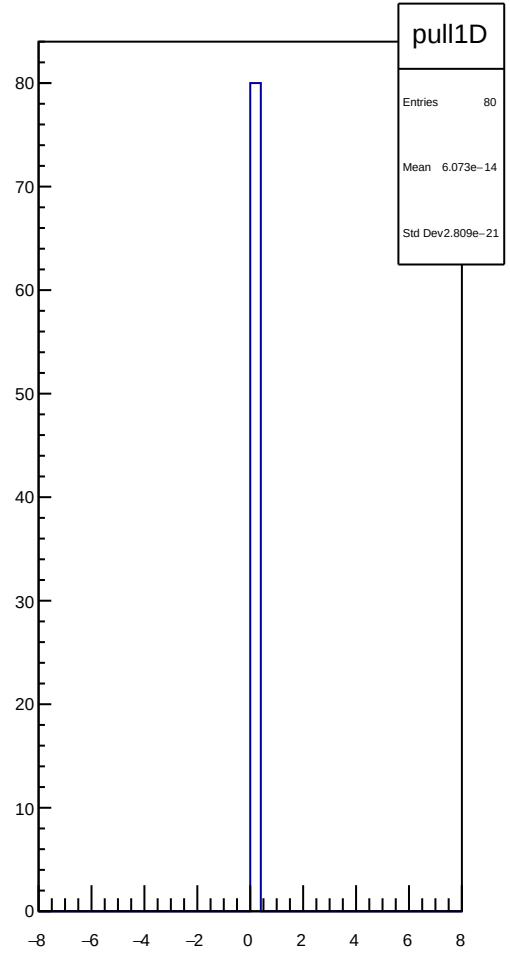

pull1D
Entries 80
Mean 6.3e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

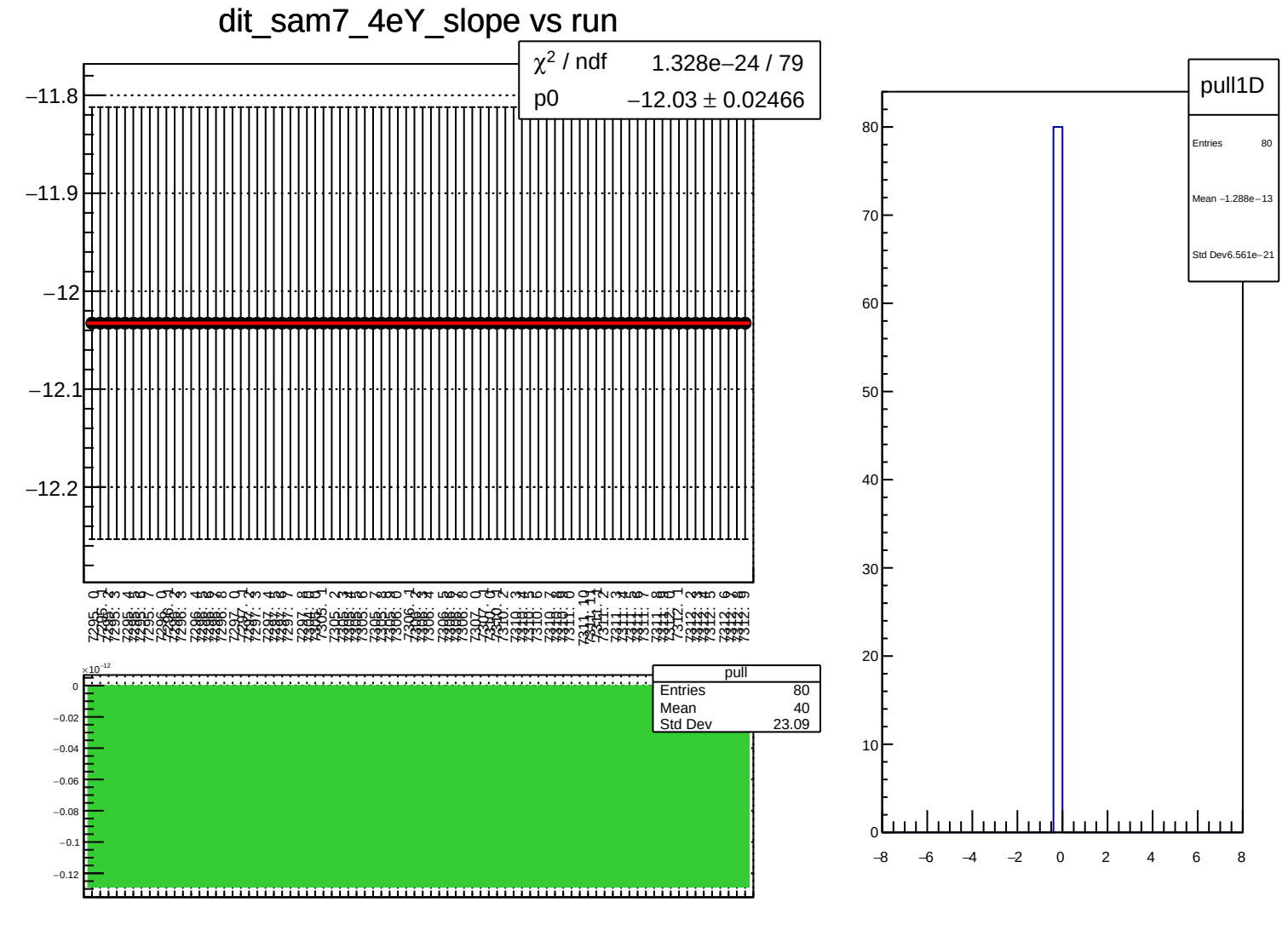

dit_sam7_4eX_slope vs run
χ² / ndf 6.243e−25 / 79
p0 −74.62 ± 0.1259
−73.5
−74
−74.5
−75
−75.5
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.834e−14
Std Dev4.792e−21

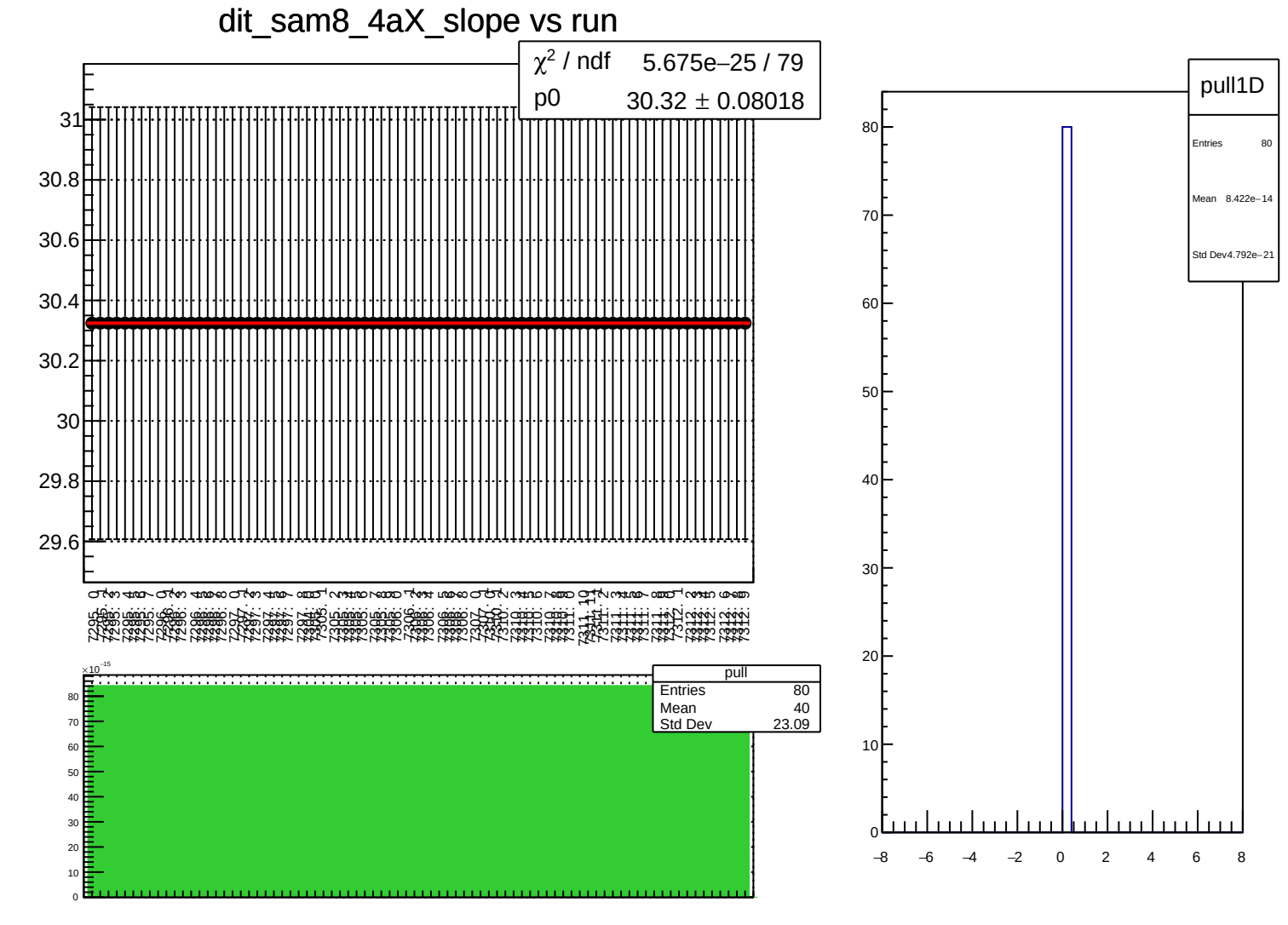

dit_sam7_11X12X_slope vs run
χ² / ndf 2.841e−26 / 79
p0 0.4458 ± 0.002305
pull
Entries 80
Mean 40
Std Dev 23.09

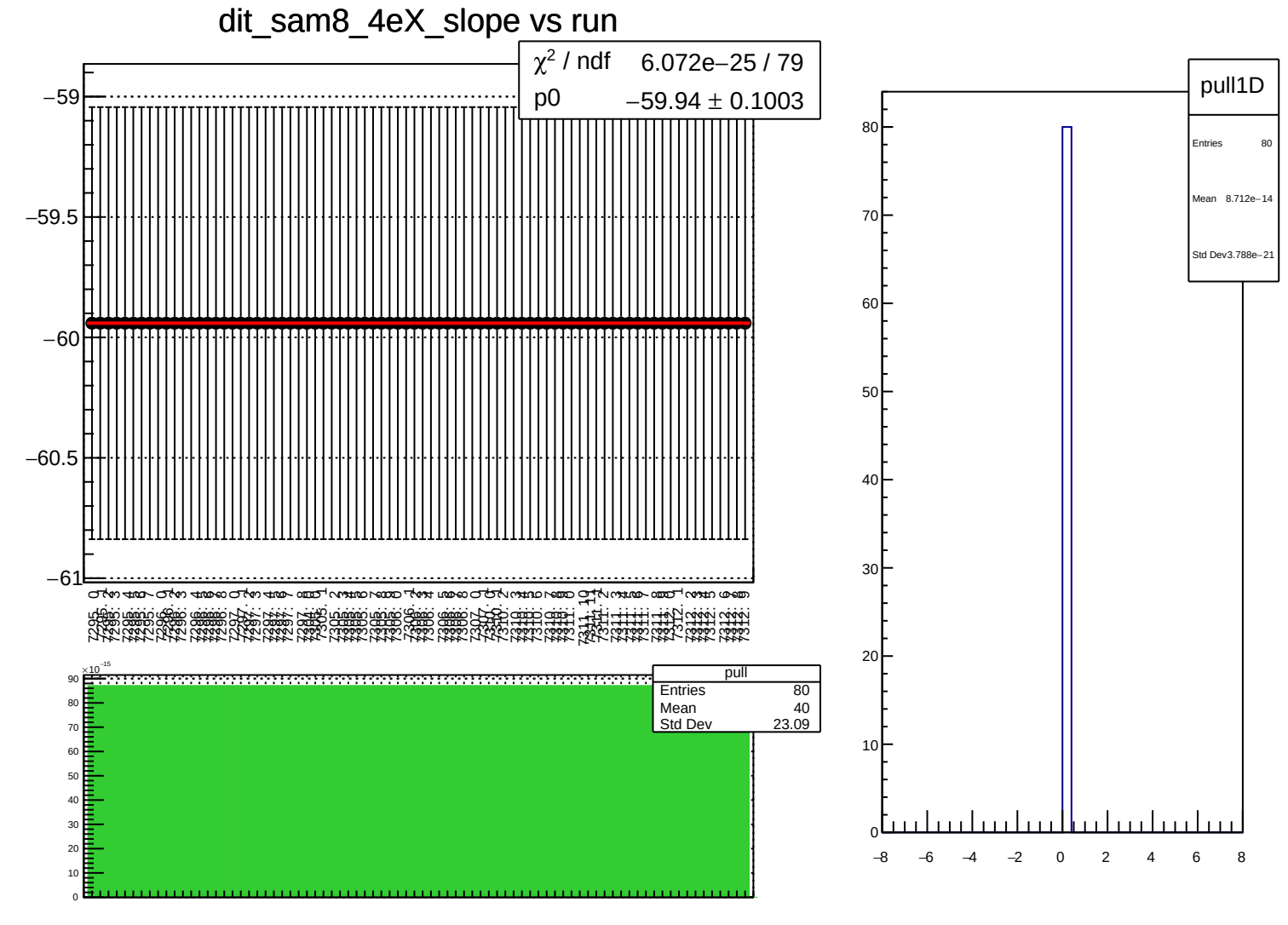

pull1D
Entries 80
Mean 1.885e−14
Std Dev 8.731e−22

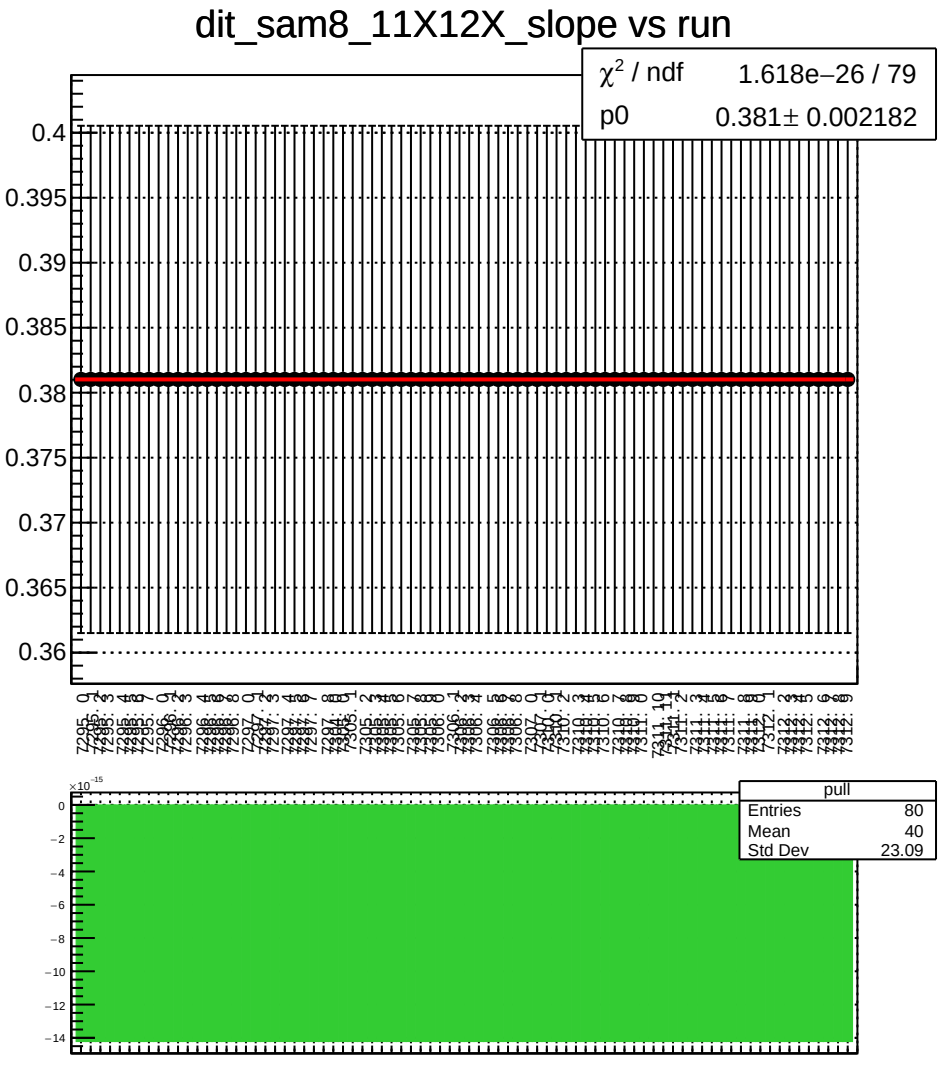

dit_sam7_4aY_slope vs run
χ² / ndf 2.951e−25 / 79
p0 5.548 ± 0.01472
5.7
5.65
5.6
5.55
5.5
5.45
5.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

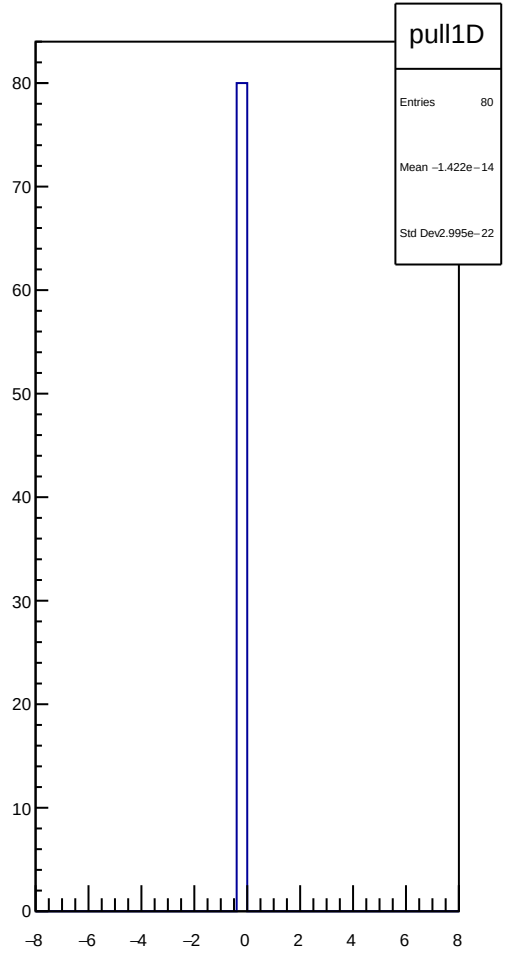

pull1D
Entries 80
Mean 6.073e−14
Std Dev 2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

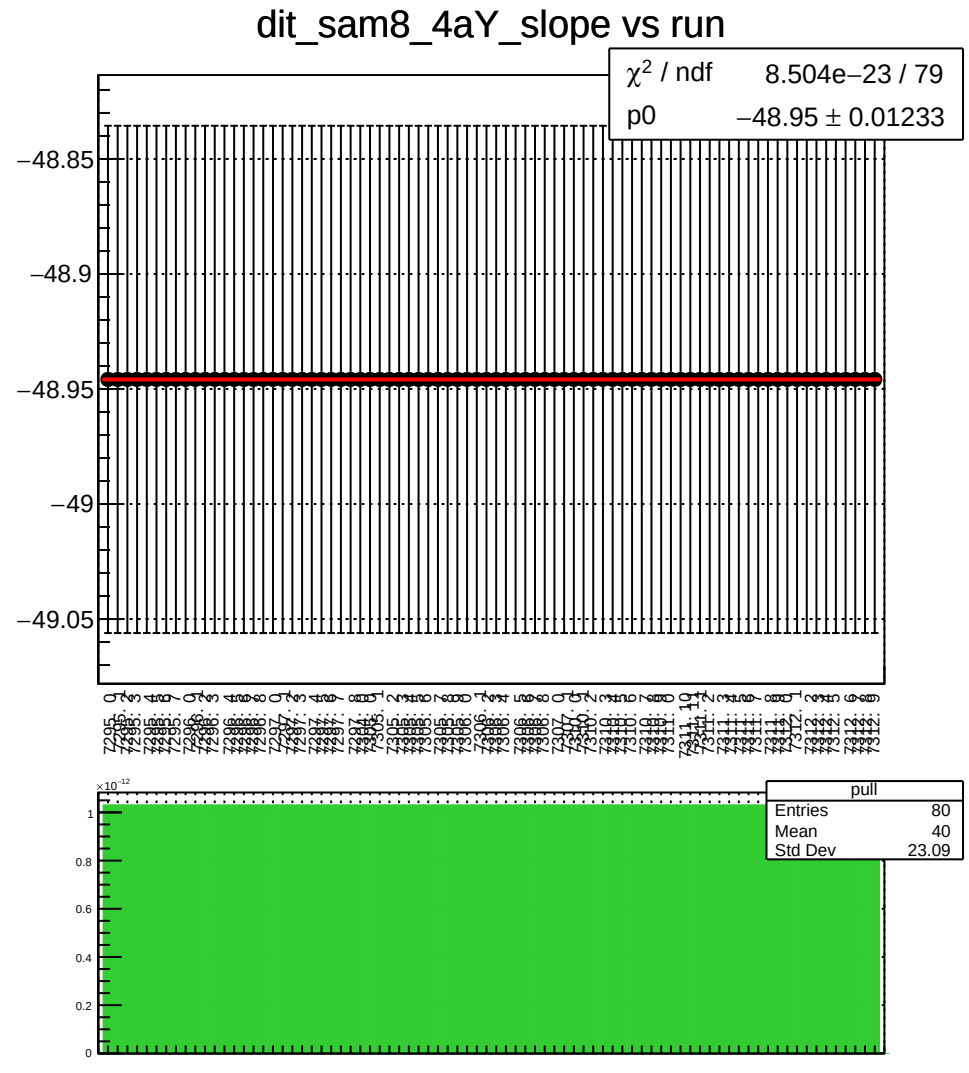

dit_sam7_4eY_slope vs run
χ² / ndf 1.328e−24 / 79
p0 −12.03 ± 0.02466
−11.8
−11.9
−12
−12.1
−12.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.288e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

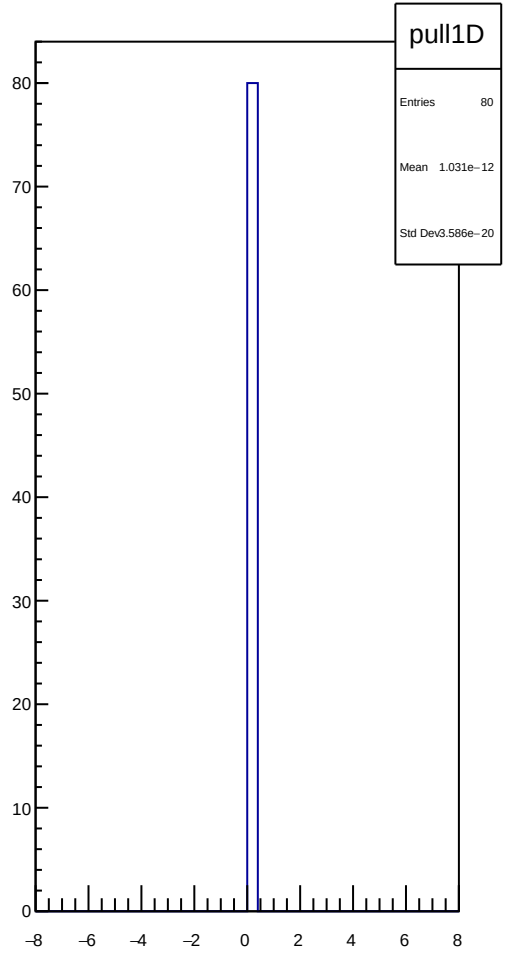

dit_sam8_4aX_slope vs run
χ² / ndf 5.675e−25 / 79
p0 30.32 ± 0.08018
31
30.8
30.6
30.4
30.2
30
29.8
29.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 8.422e−14
Std Dev 4.792e−21

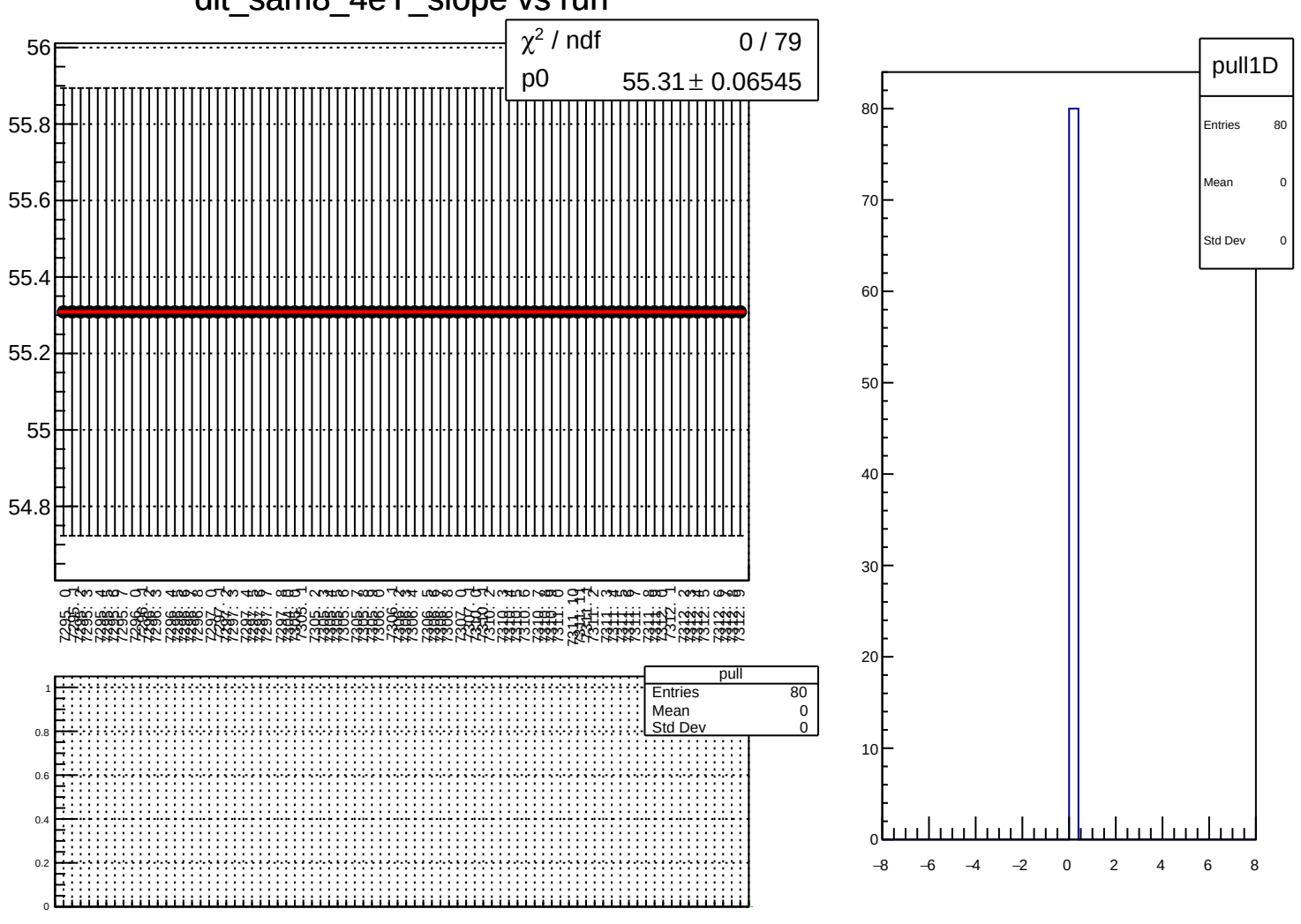

dit_sam8_4eX_slope vs run
χ² / ndf 6.072e−25 / 79
p0 −59.94 ± 0.1003
−59
−59.5
−60
−60.5
−61
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.712e−14
Std Dev3.788e−21

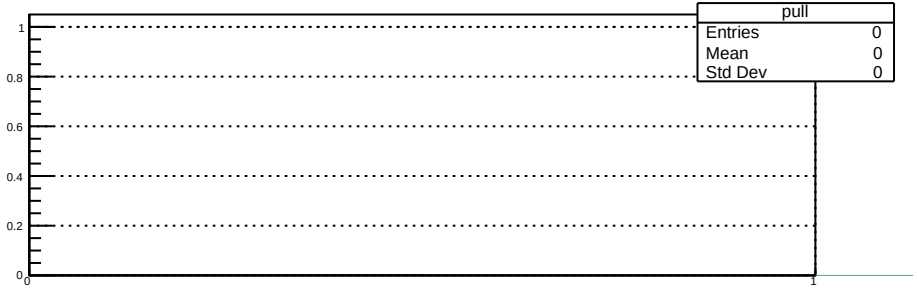

dit_sam8_11X12X_slope vs run
χ² / ndf 1.618e−26 / 79
p0 0.381± 0.002182
pull
Entries 80
Mean 40
Std Dev 23.09

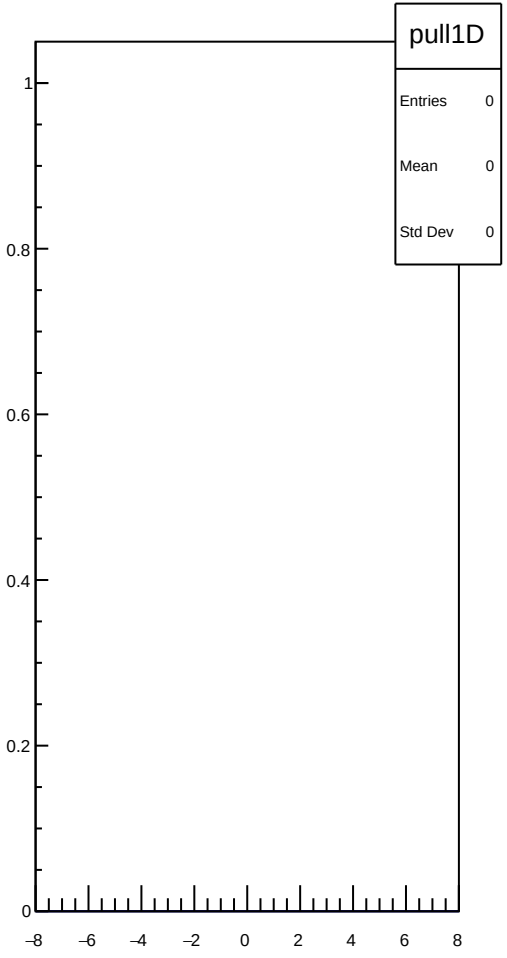

pull1D
Entries 80
Mean −1.422e−14
Std Dev2.995e−22

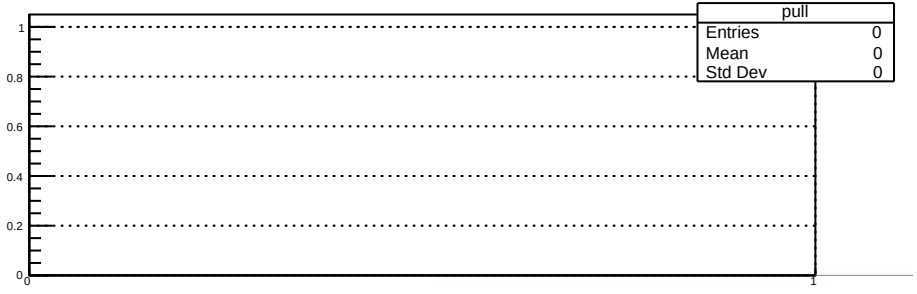

dit_sam8_4aY_slope vs run
χ² / ndf 8.504e−23 / 79
p0 −48.95 ± 0.01233
−48.85
−48.9
−48.95
−49
−49.05
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
1
0.8
0.6
0.4
0.2
0

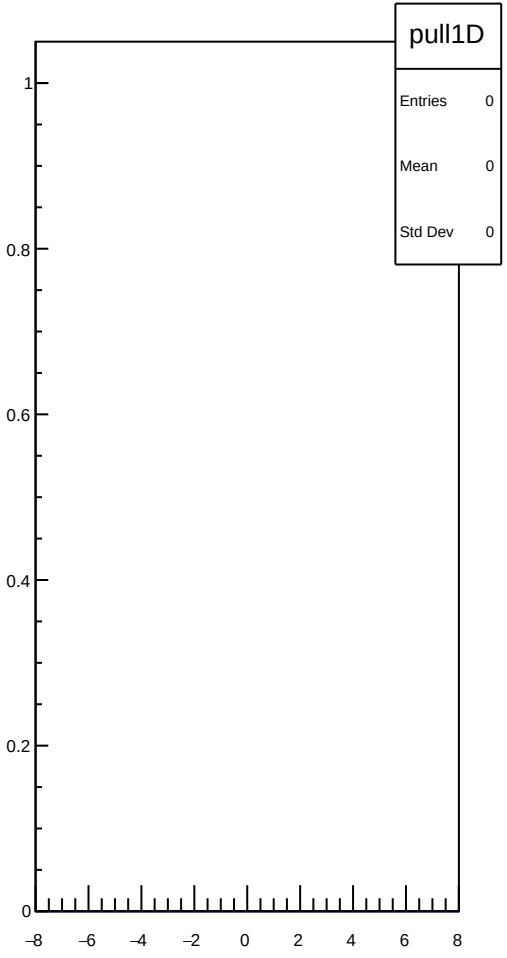

pull1D
Entries 80
Mean 1.031e−12
Std Dev3.586e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

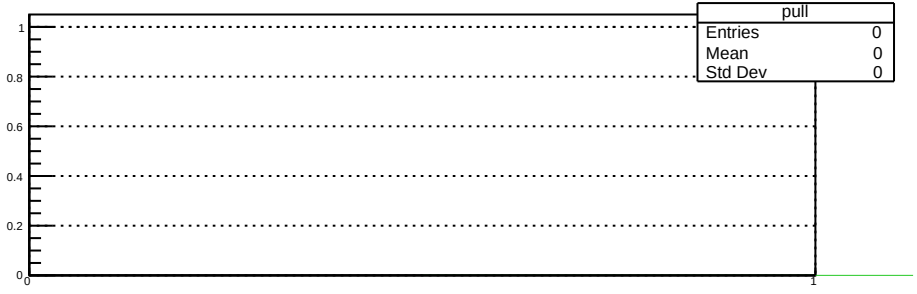

dit_sam8_4eY_slope vs run
χ² / ndf 0 / 79
p0 55.31 ± 0.06545
56
55.8
55.6
55.4
55.2
55
54.8
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
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–2
0
2
4
6
8

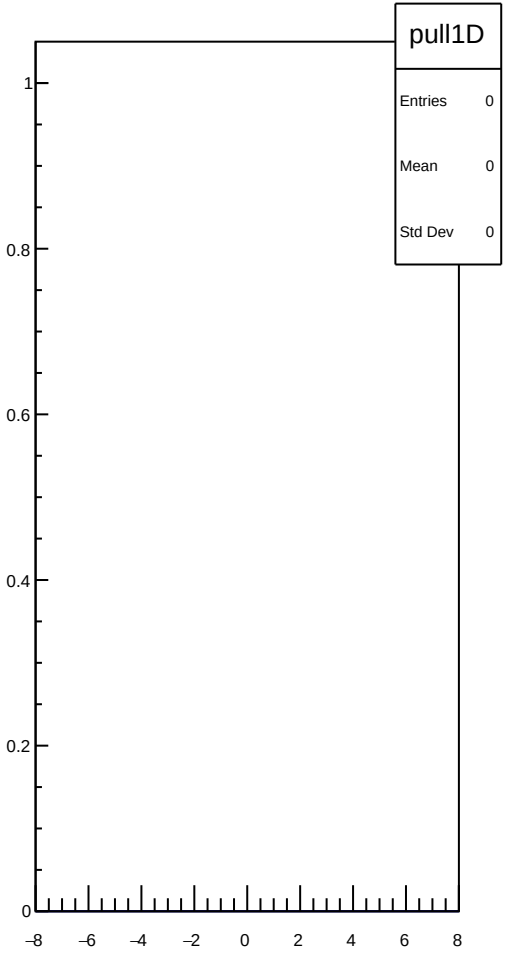

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

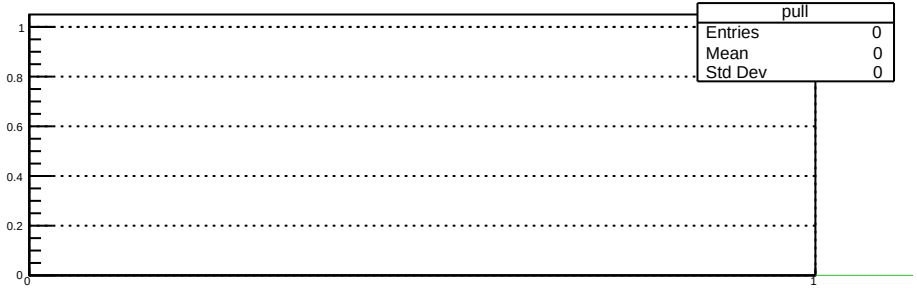

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–2
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2
4
6
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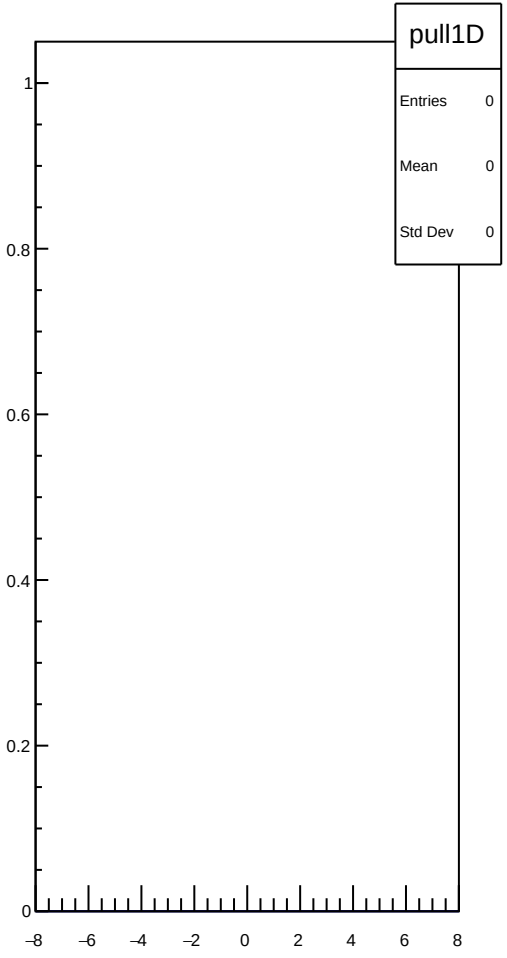

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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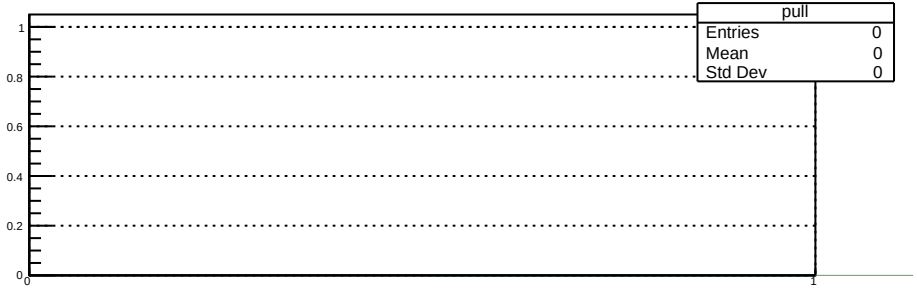

pull1D
Entries 0
Mean 0
Std Dev 0
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6
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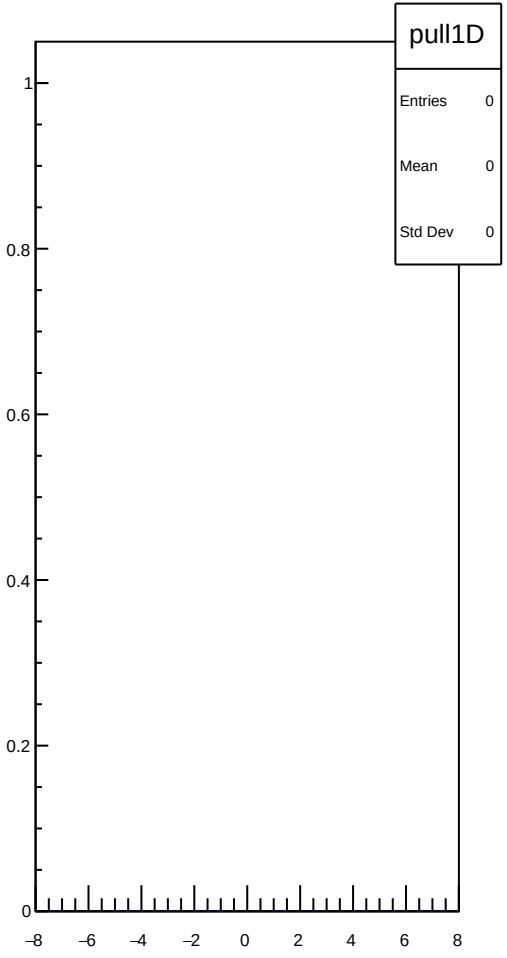

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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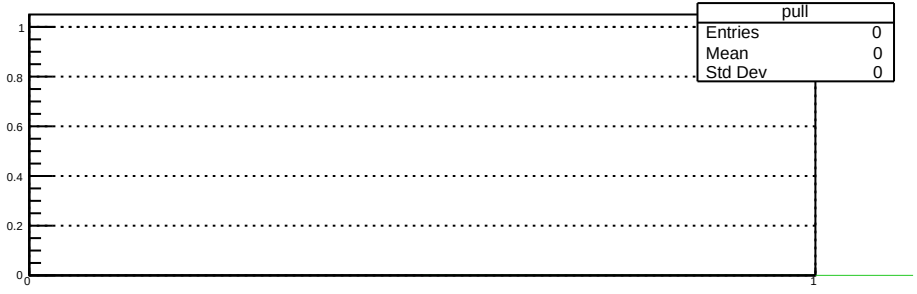

pull1D
Entries 0
Mean 0
Std Dev 0
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2
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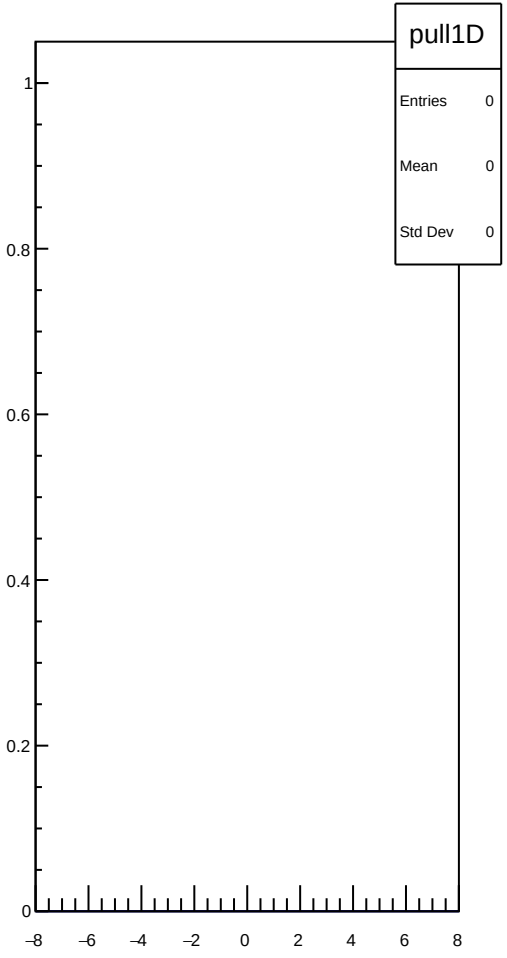

pull
Entries 0
Mean 0
Std Dev 0
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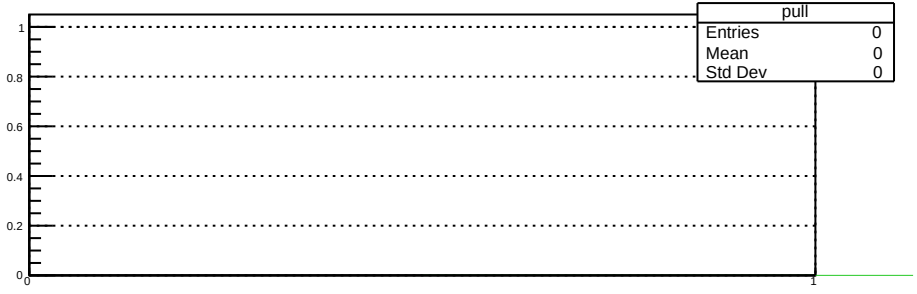

pull1D
Entries 0
Mean 0
Std Dev 0
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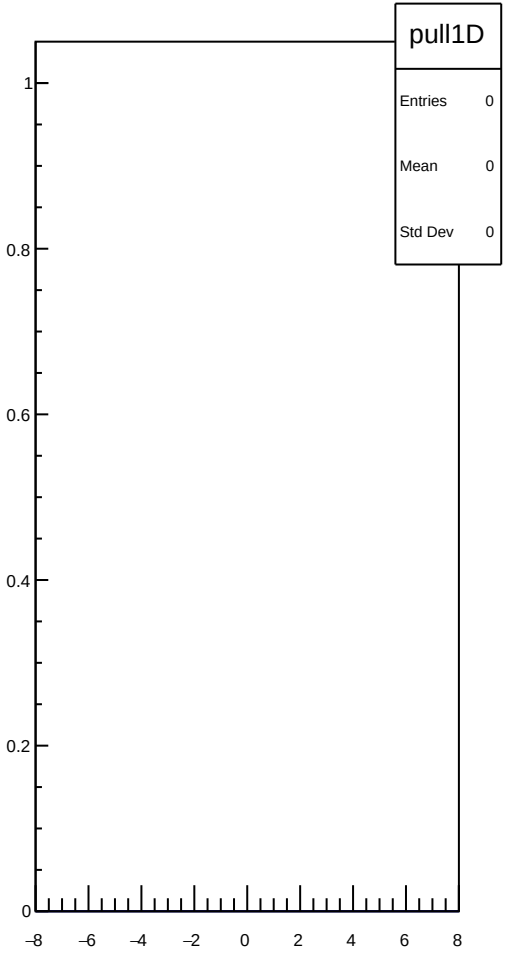

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
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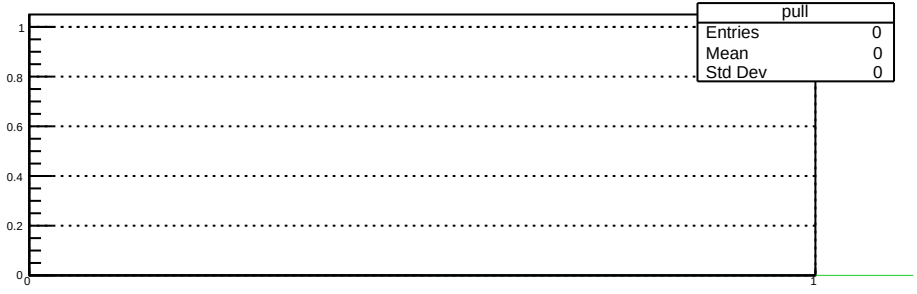

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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2
4
6
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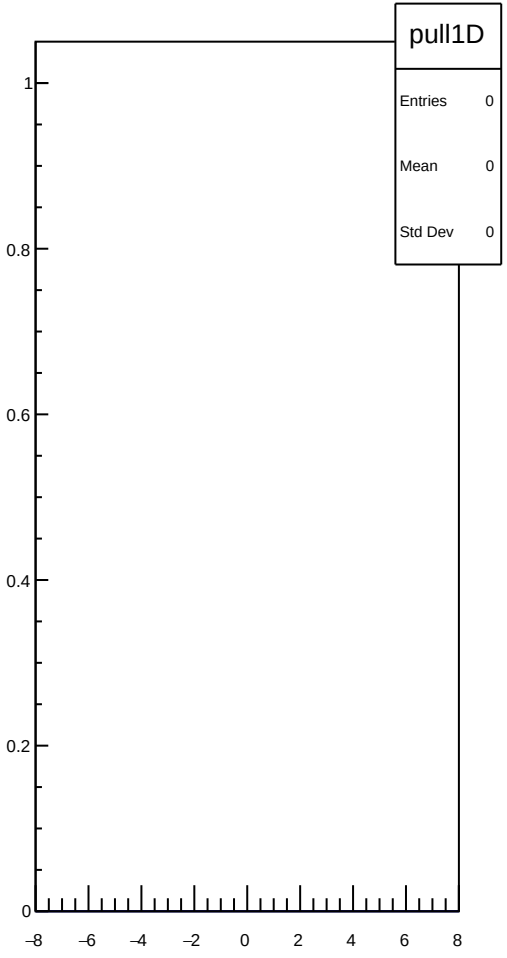

pull
Entries 0
Mean 0
Std Dev 0
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0.6
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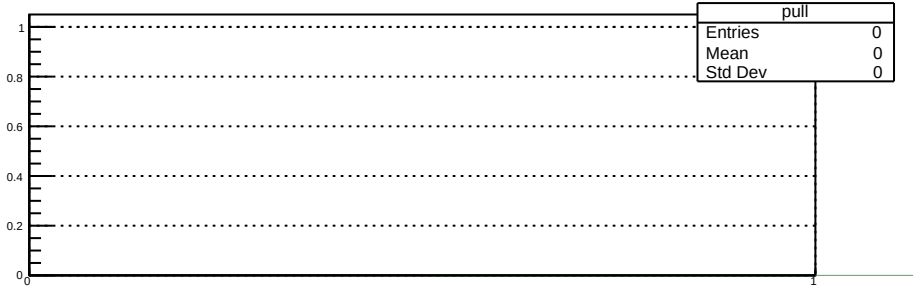

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
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–4
–2
0
2
4
6
8

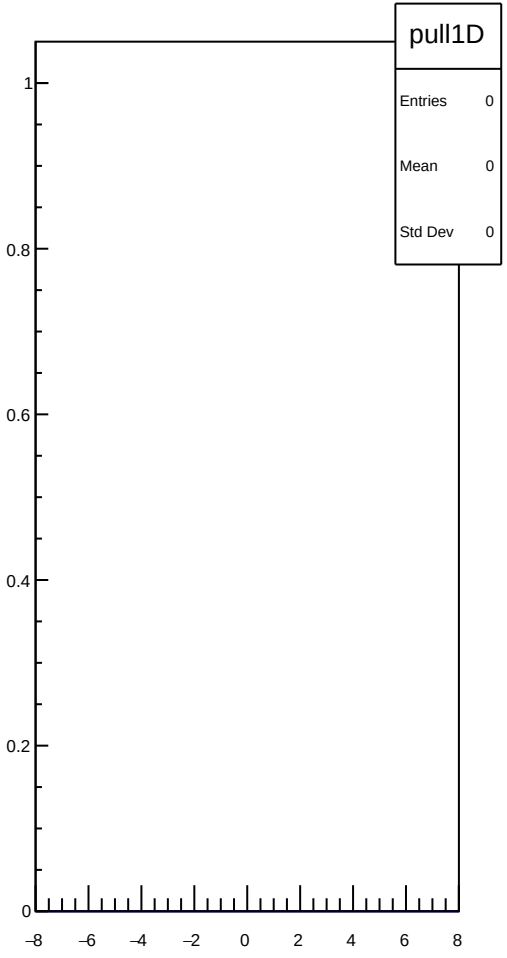

pull
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Mean 0
Std Dev 0
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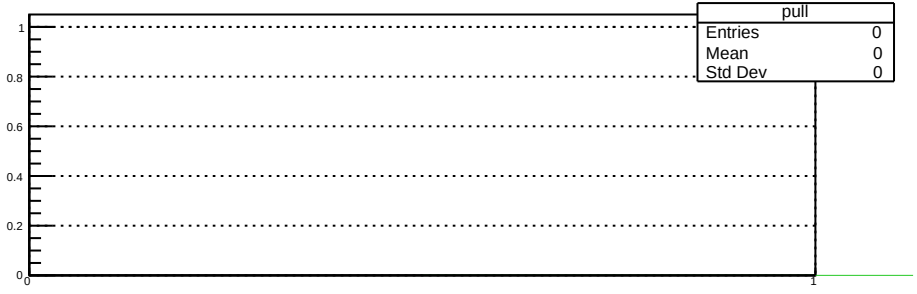

pull1D
Entries 0
Mean 0
Std Dev 0
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–2
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2
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6
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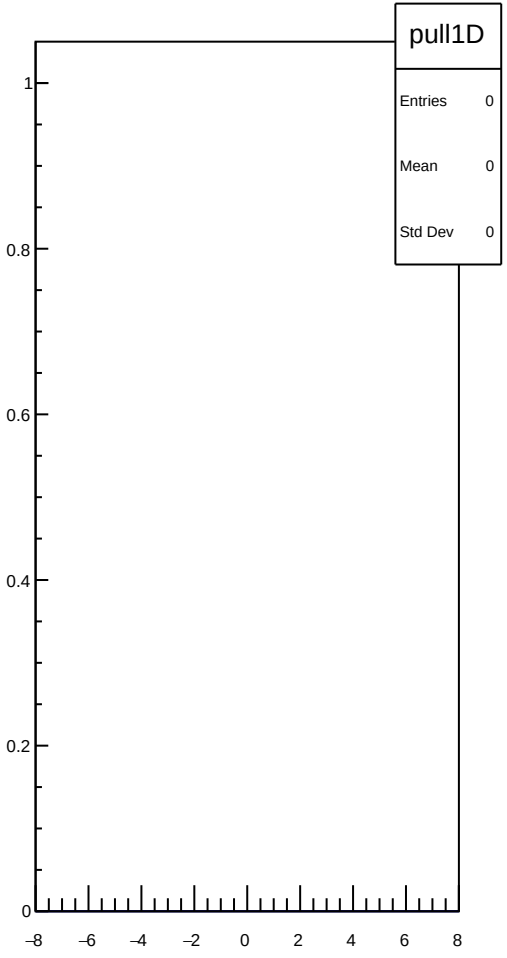

pull
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Mean 0
Std Dev 0
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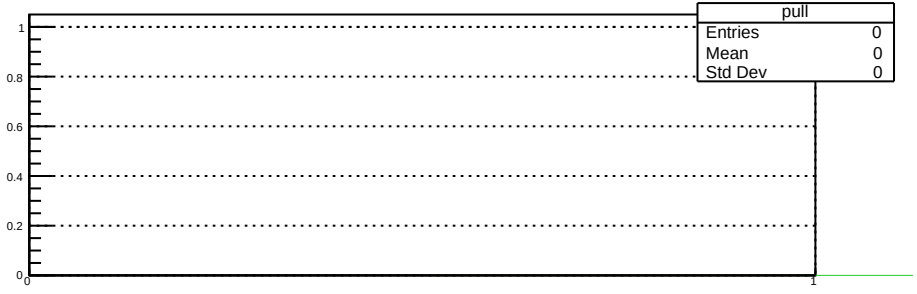

pull1D
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Mean 0
Std Dev 0
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2
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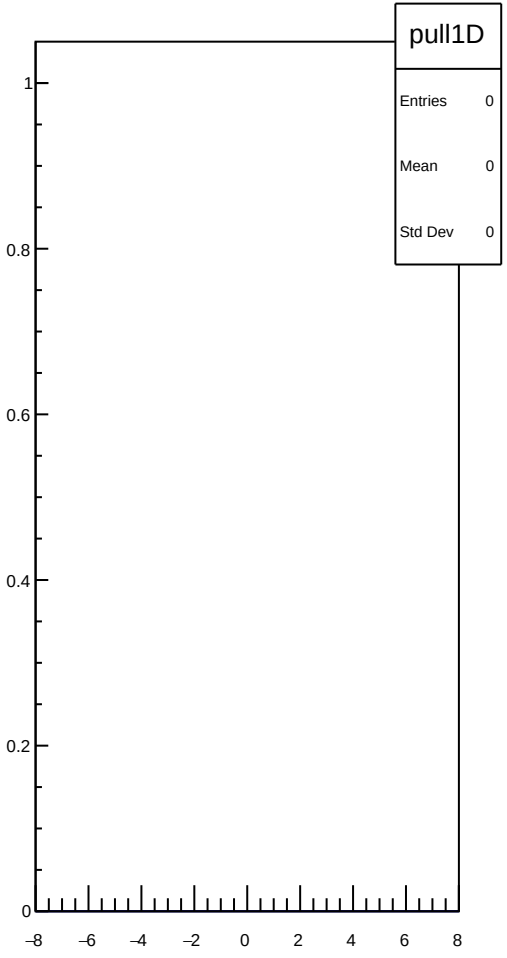

pull
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Std Dev 0
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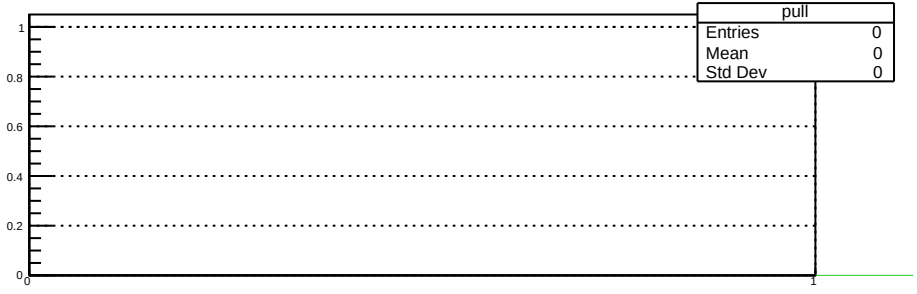

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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2
4
6
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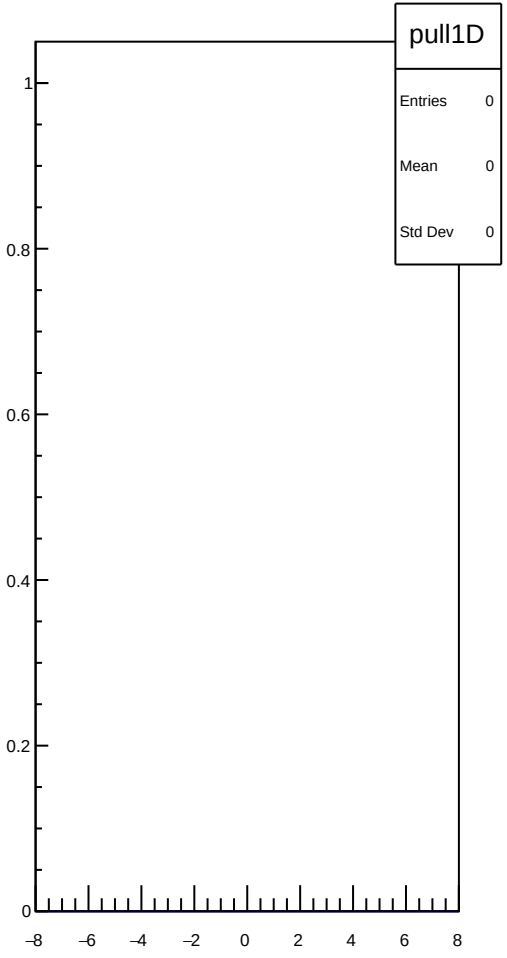

pull
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Std Dev 0
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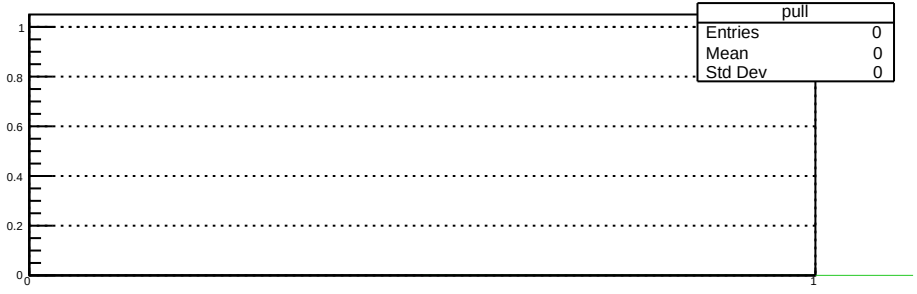

pull1D
Entries 0
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Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
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0
2
4
6
8

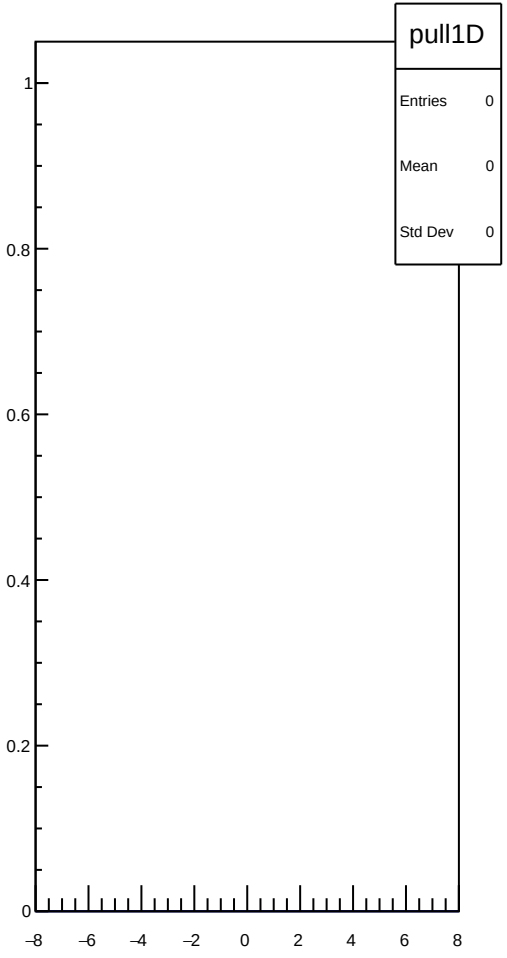

pull
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Std Dev 0
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0.6
0.4
0.2
0
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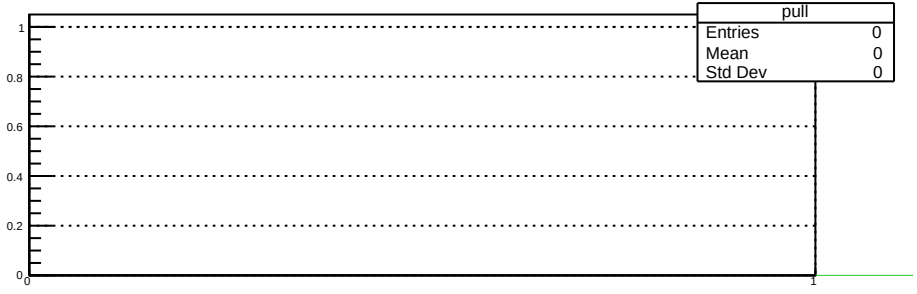

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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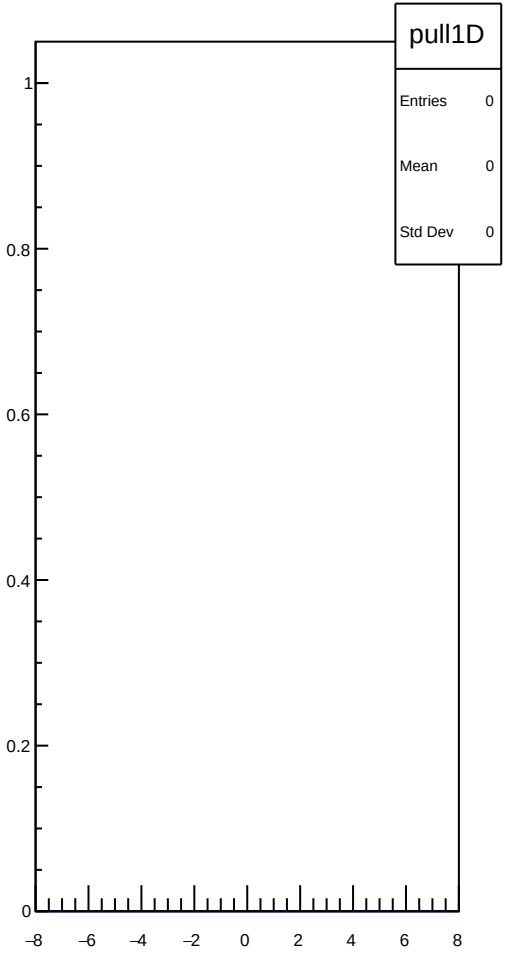

pull
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Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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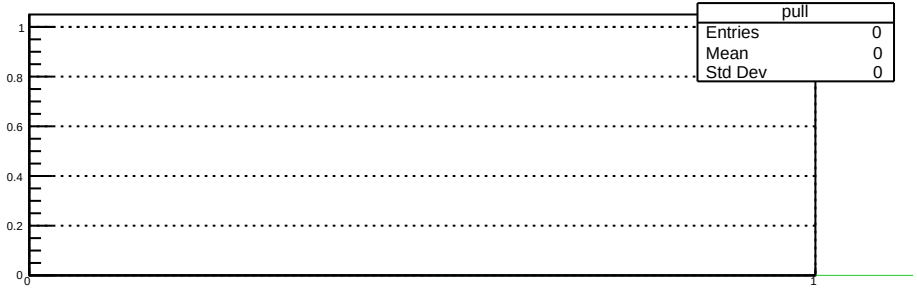

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–2
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4
6
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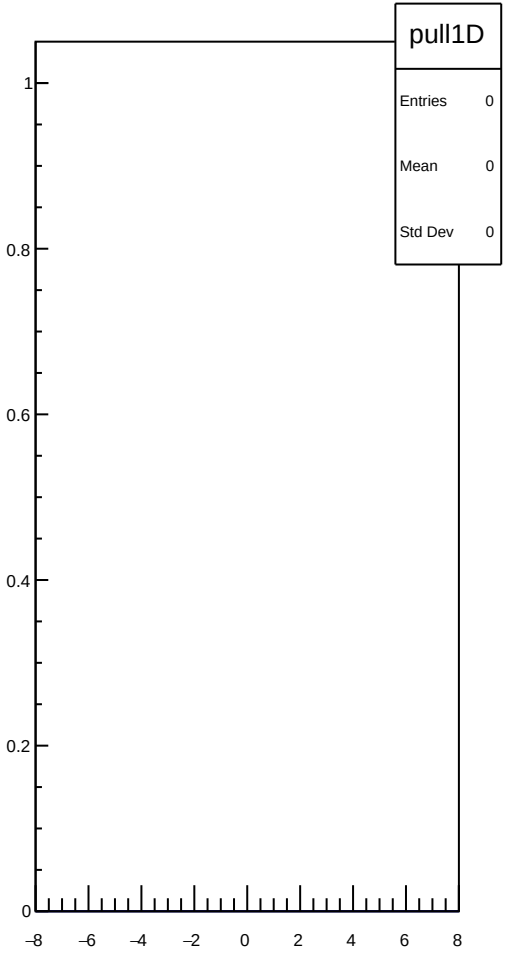

pull
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Std Dev 0
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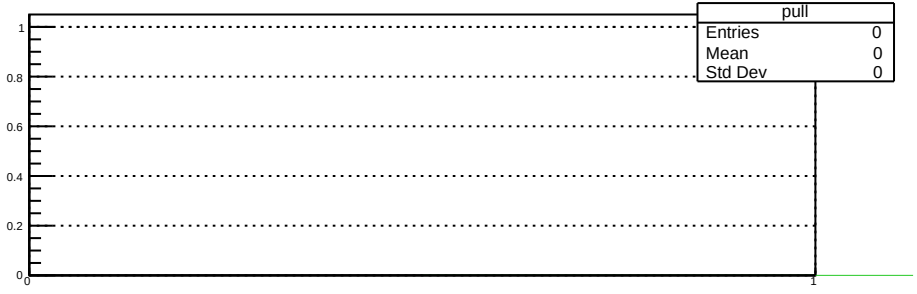

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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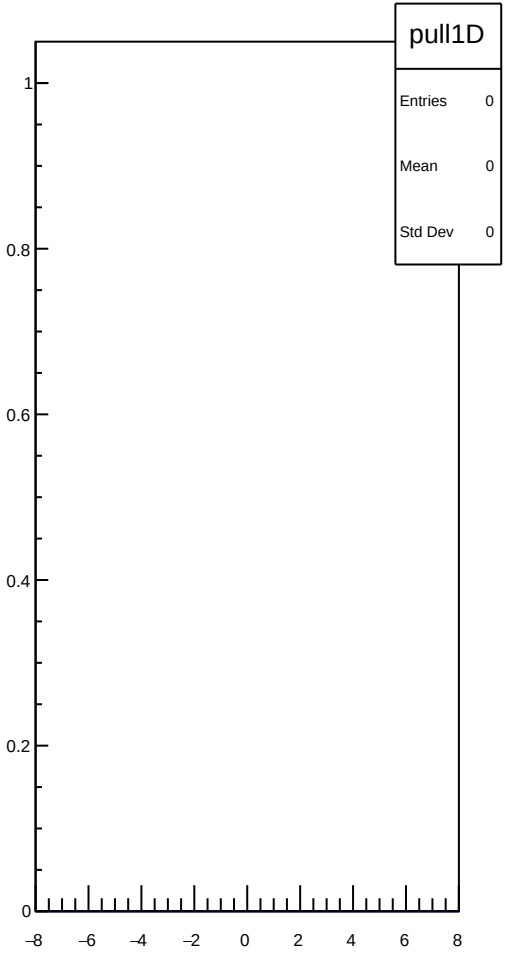

pull
Entries 0
Mean 0
Std Dev 0
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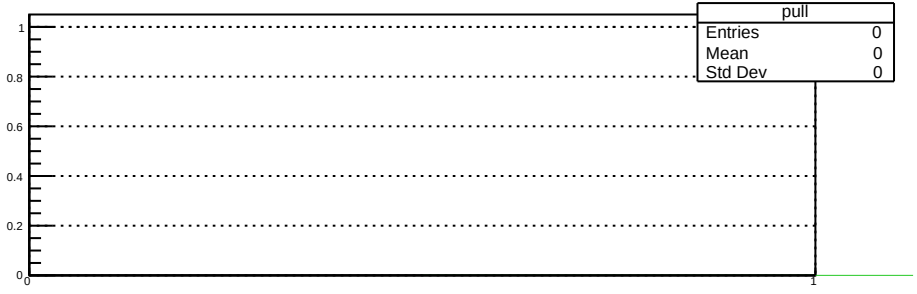

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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–8
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–4
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6
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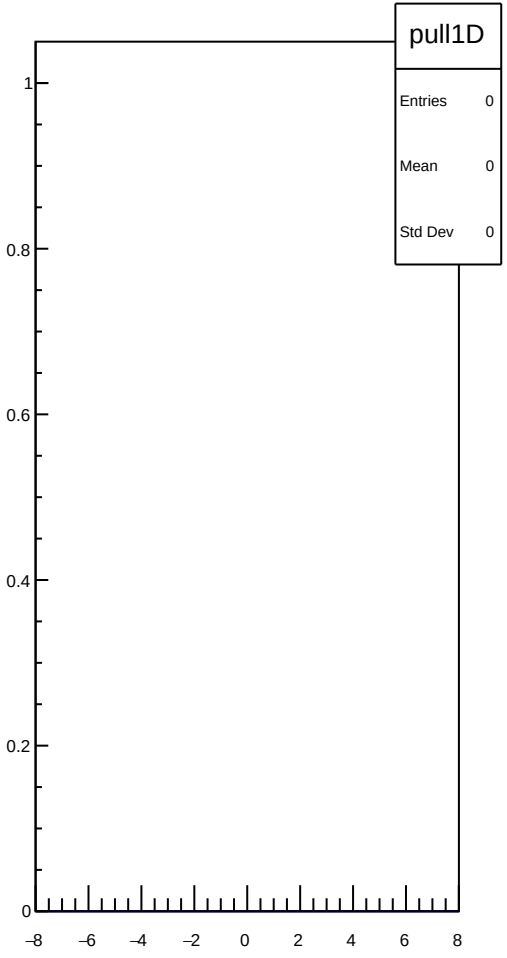

pull
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Std Dev 0
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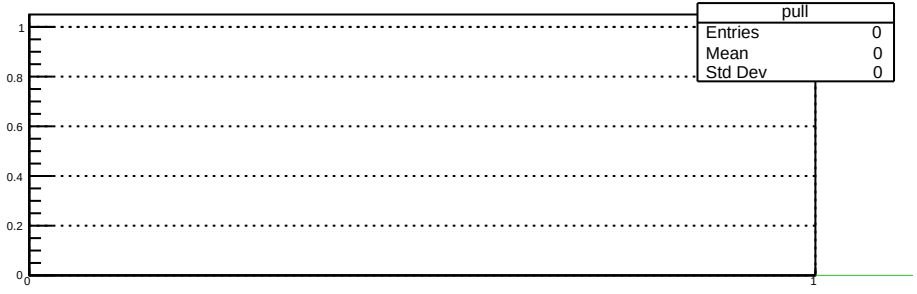

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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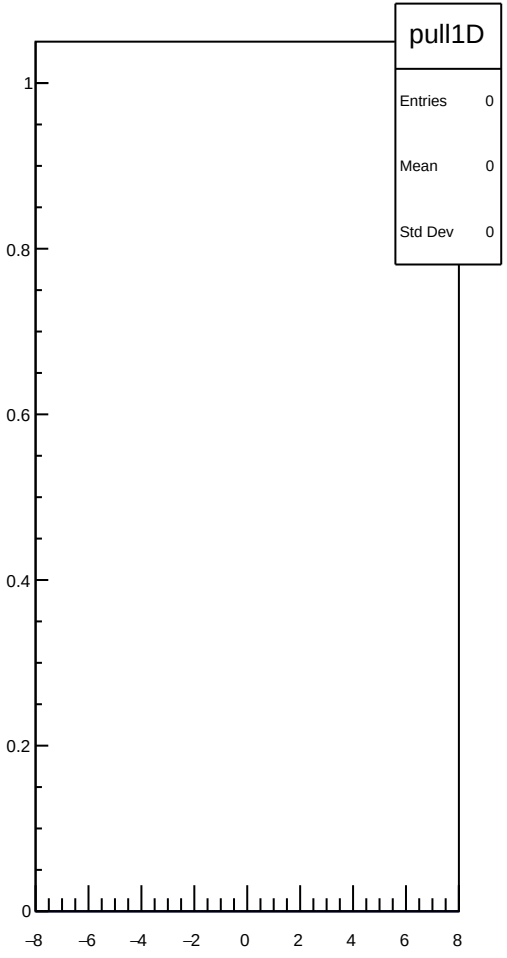

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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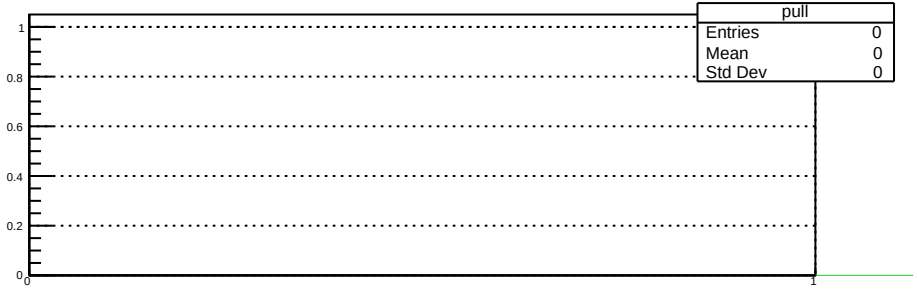

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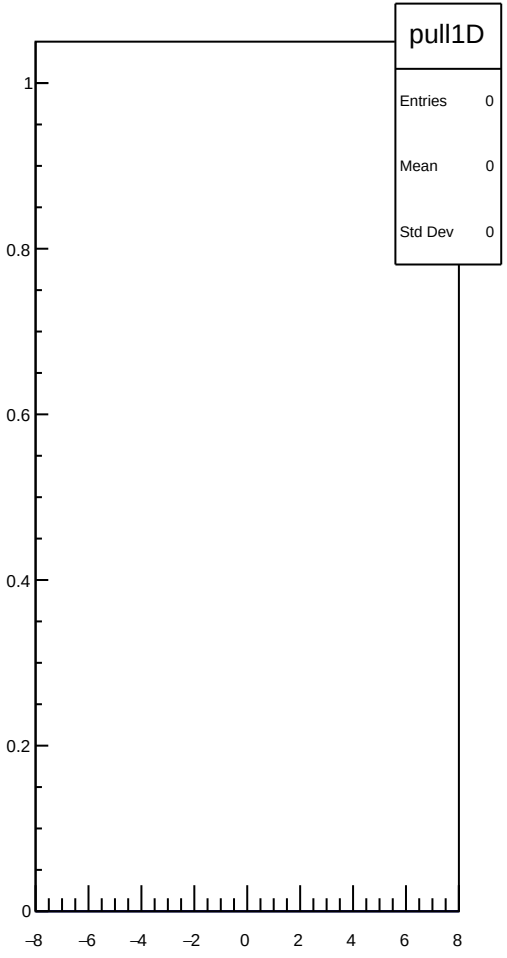

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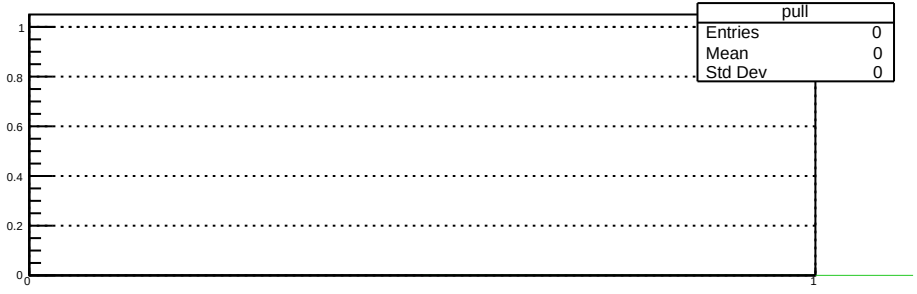

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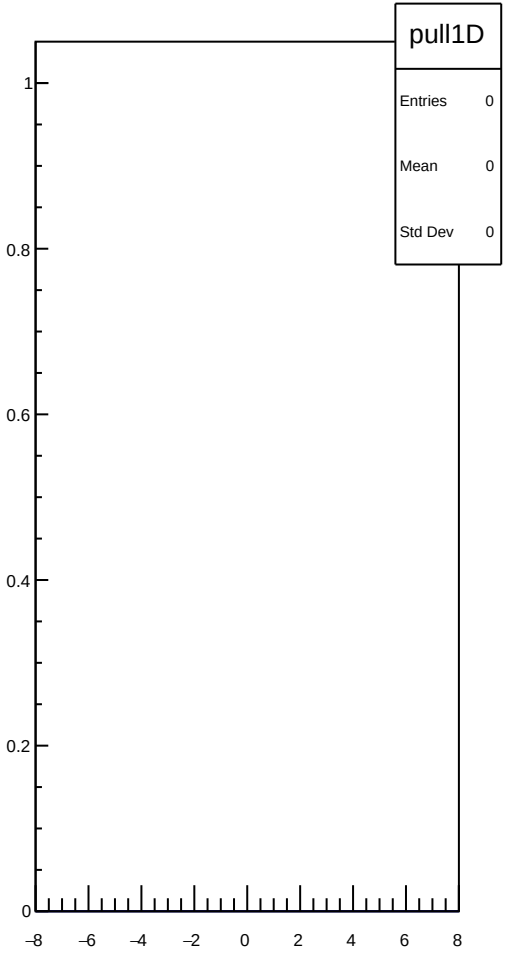

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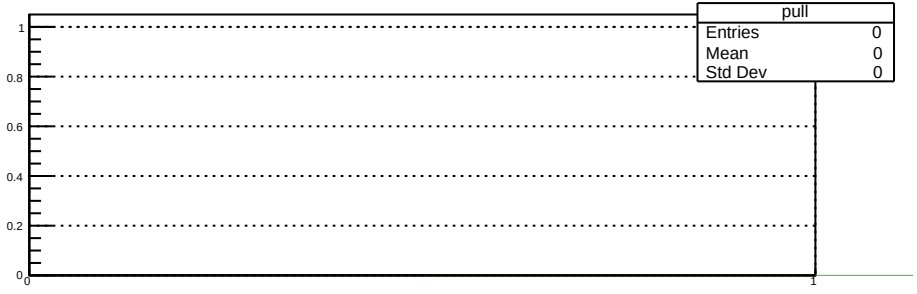

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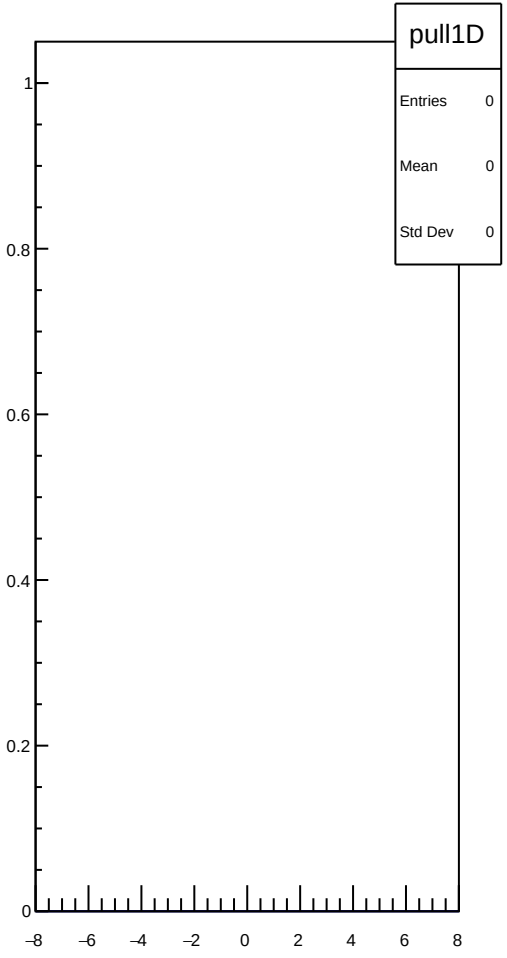

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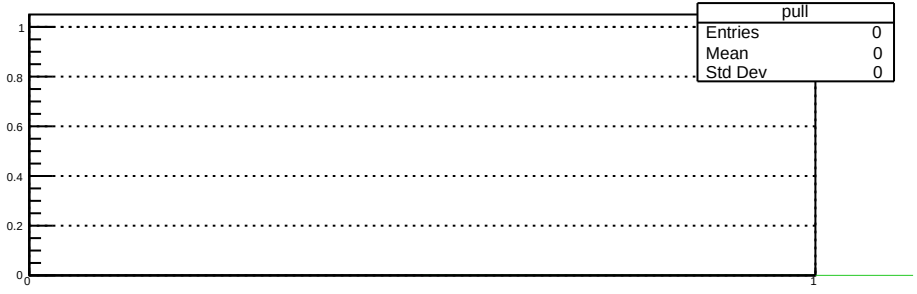

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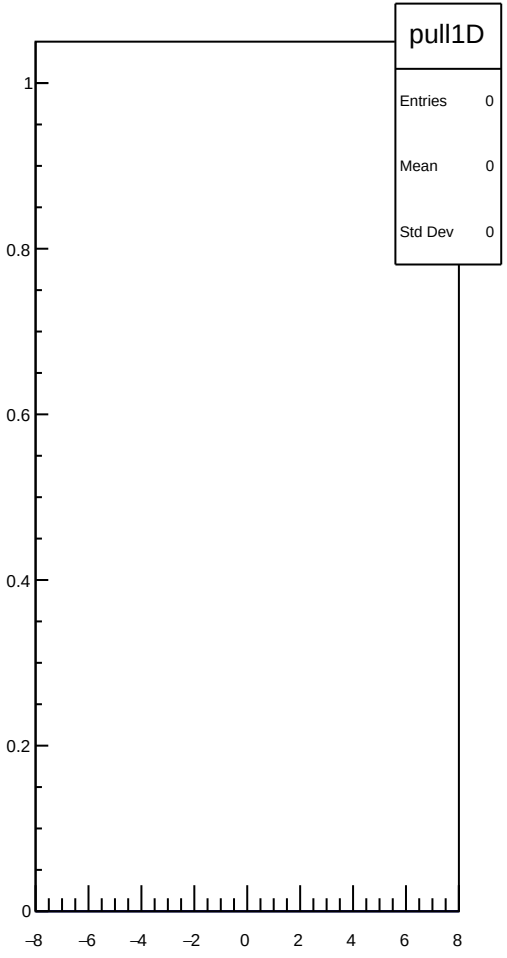

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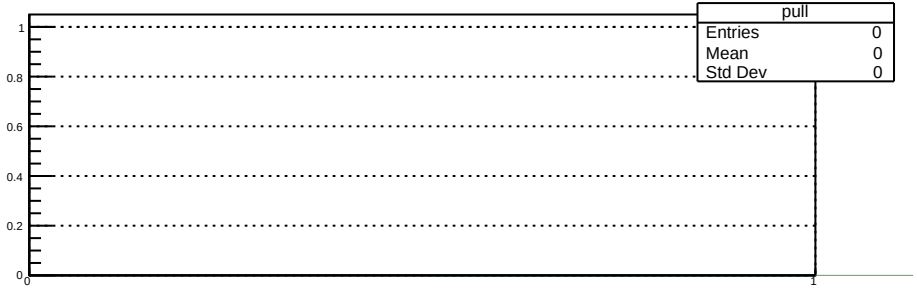

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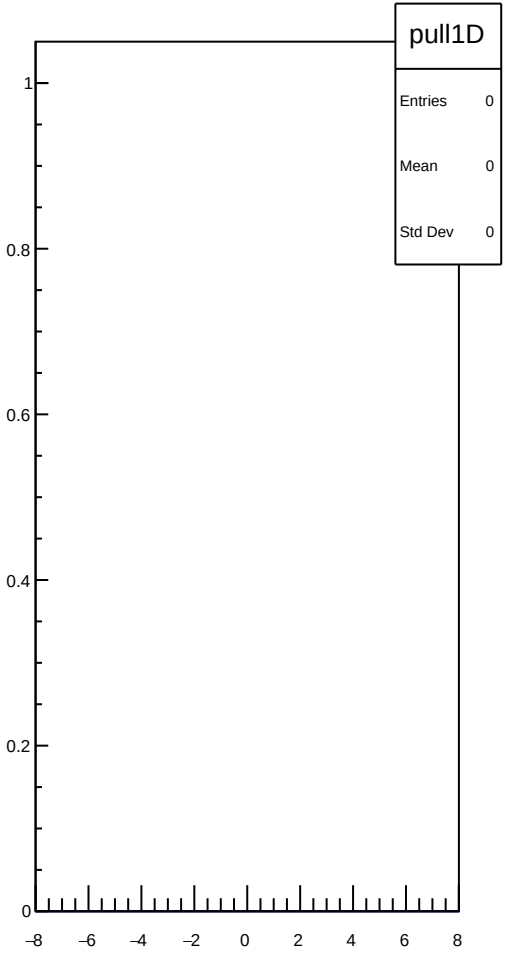

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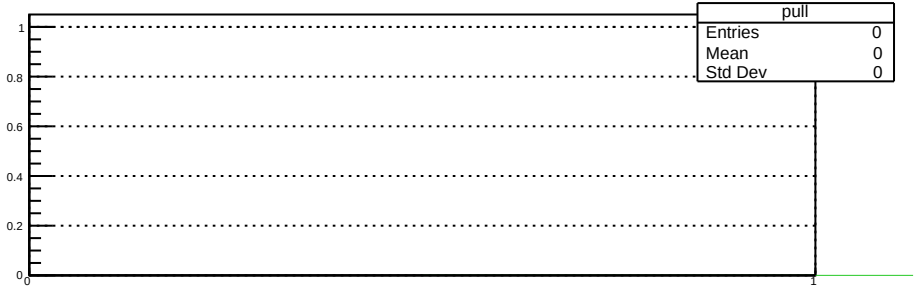

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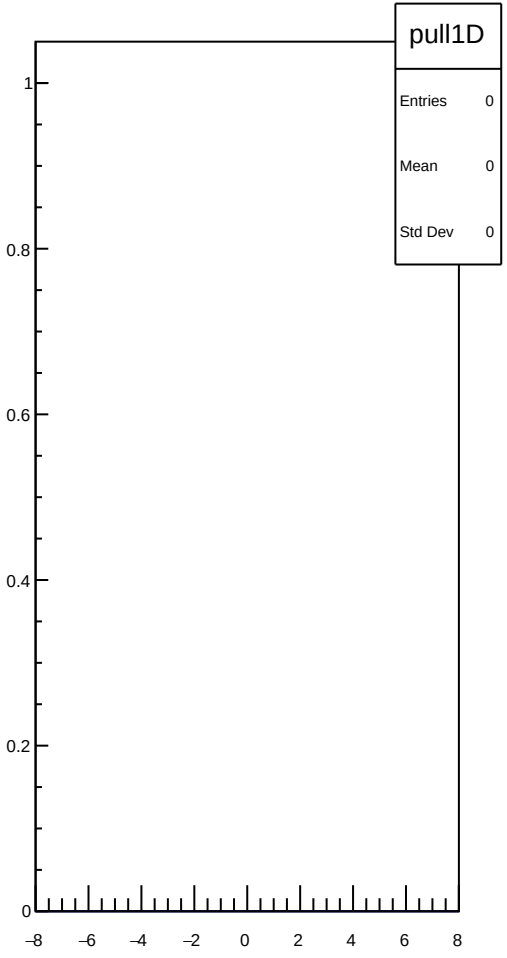

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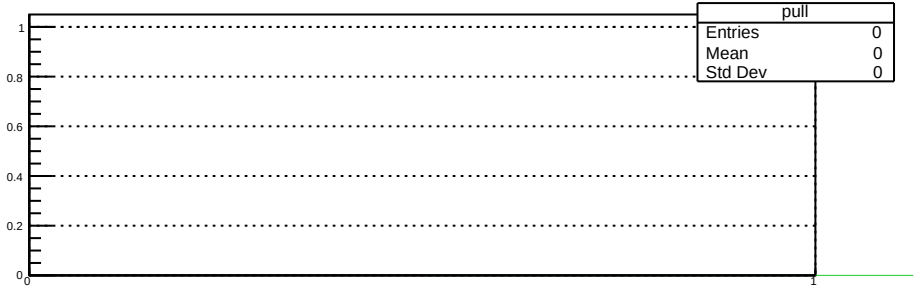

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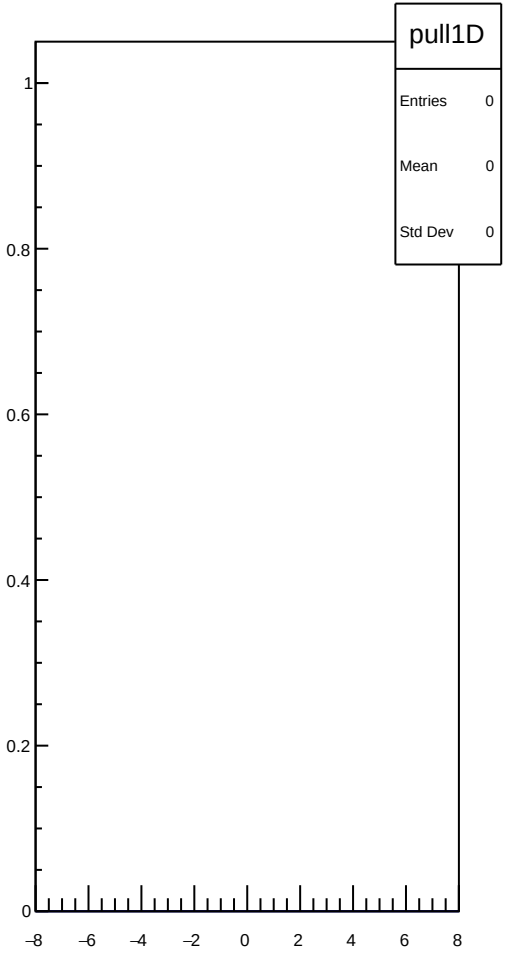

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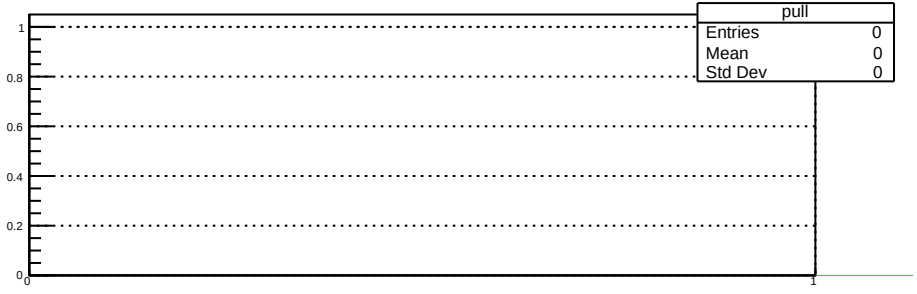

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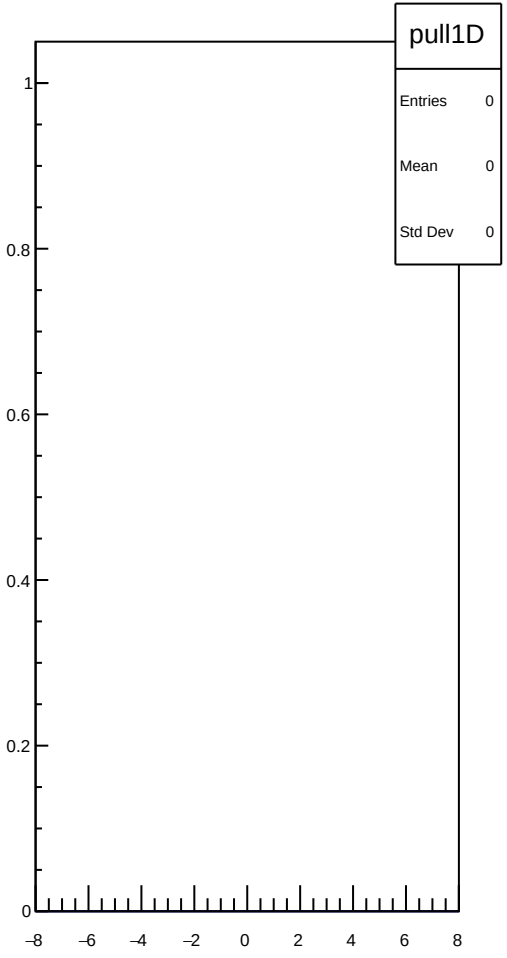

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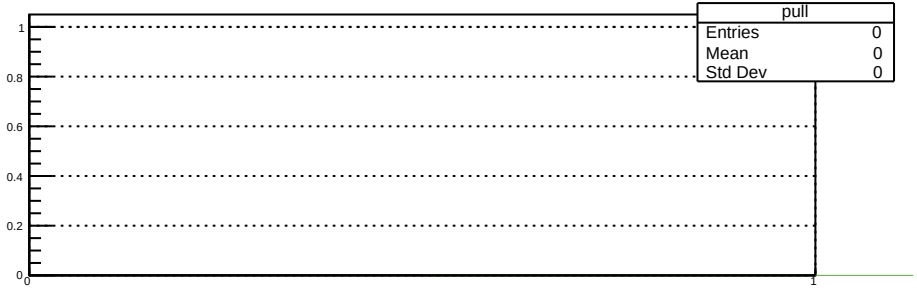

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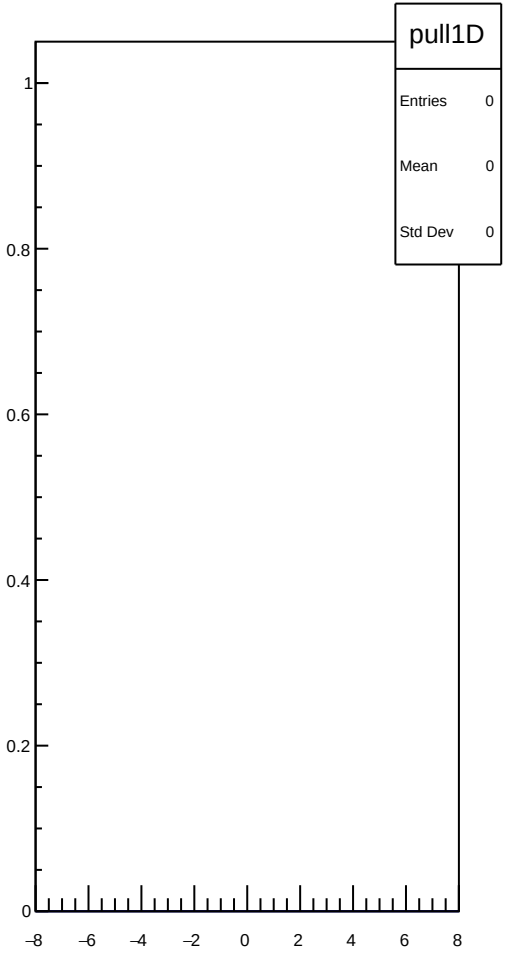

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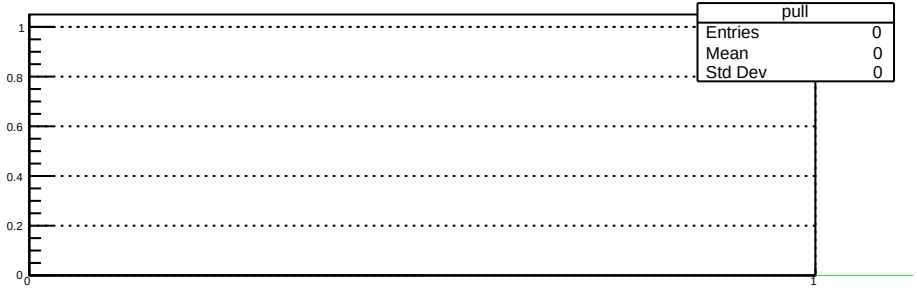

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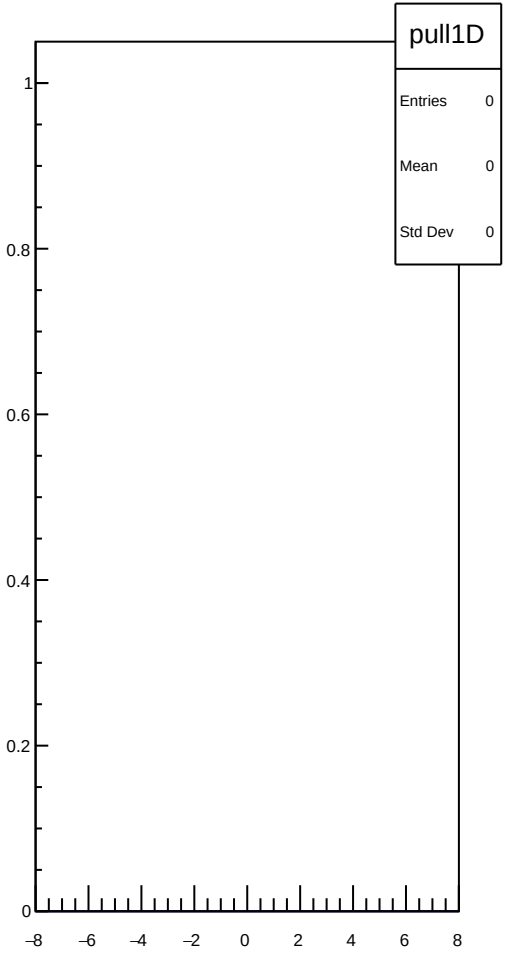

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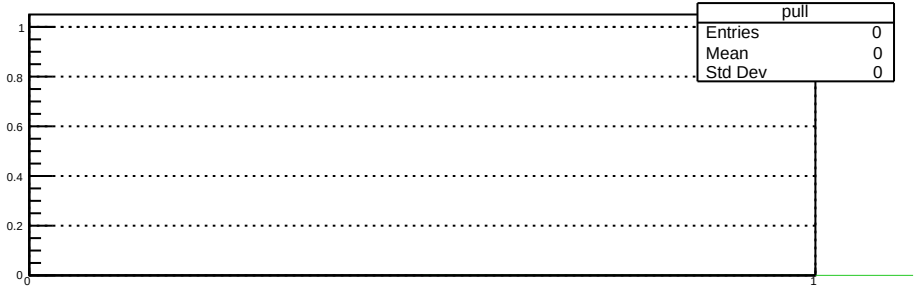

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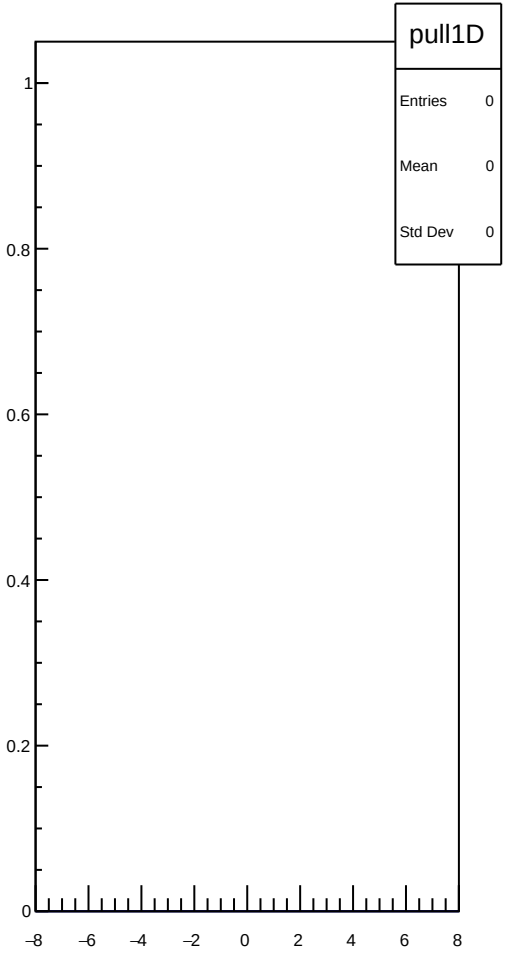

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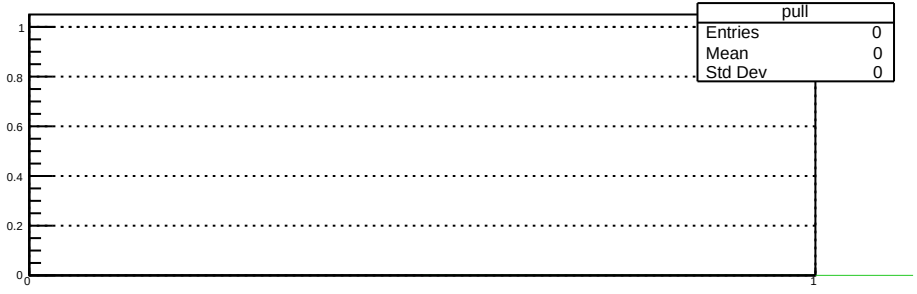

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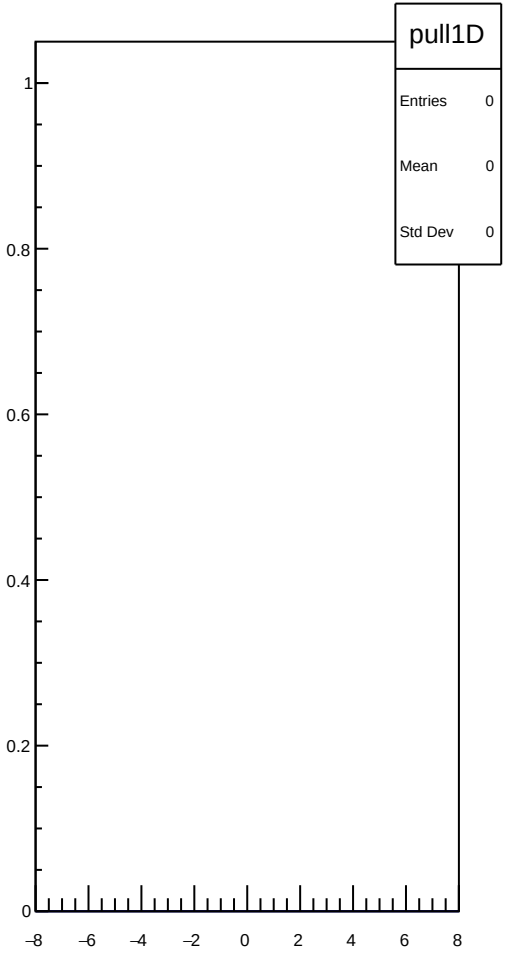

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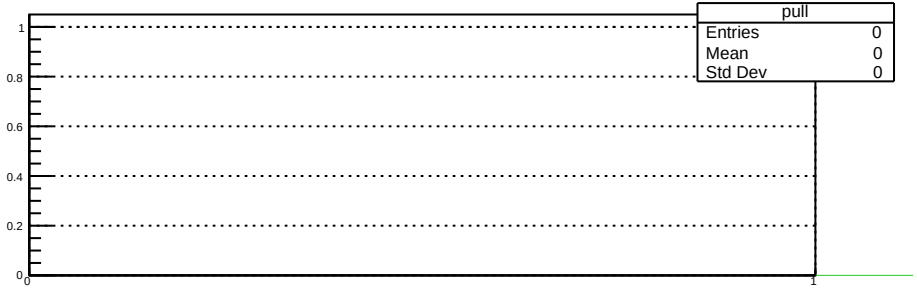

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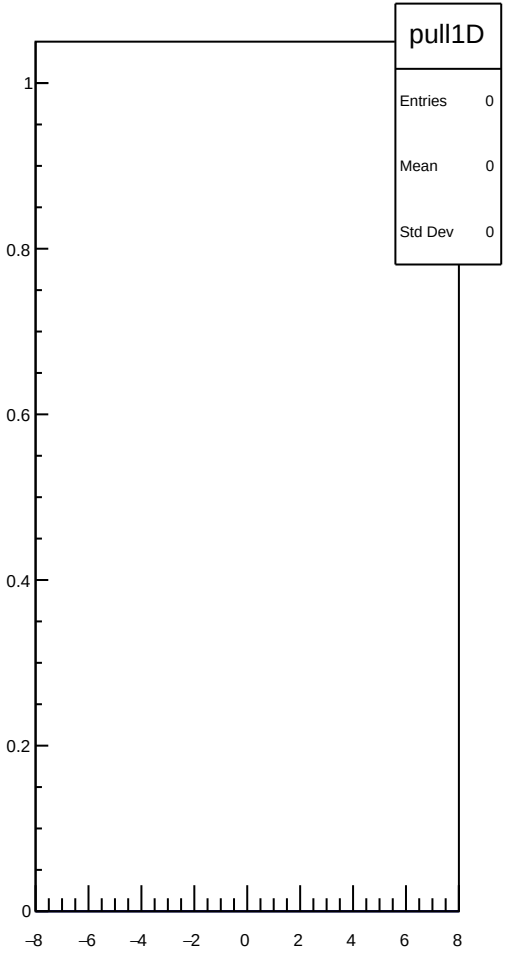

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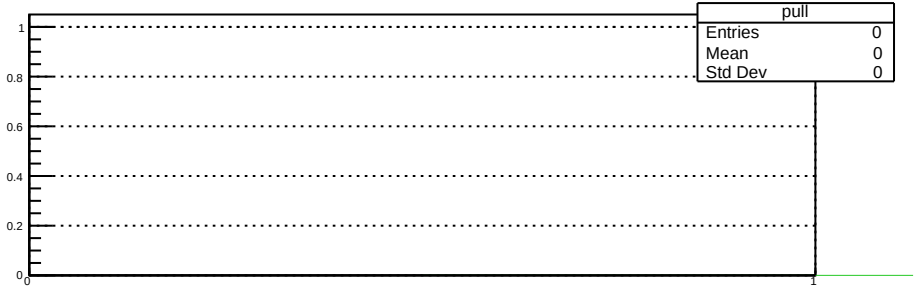

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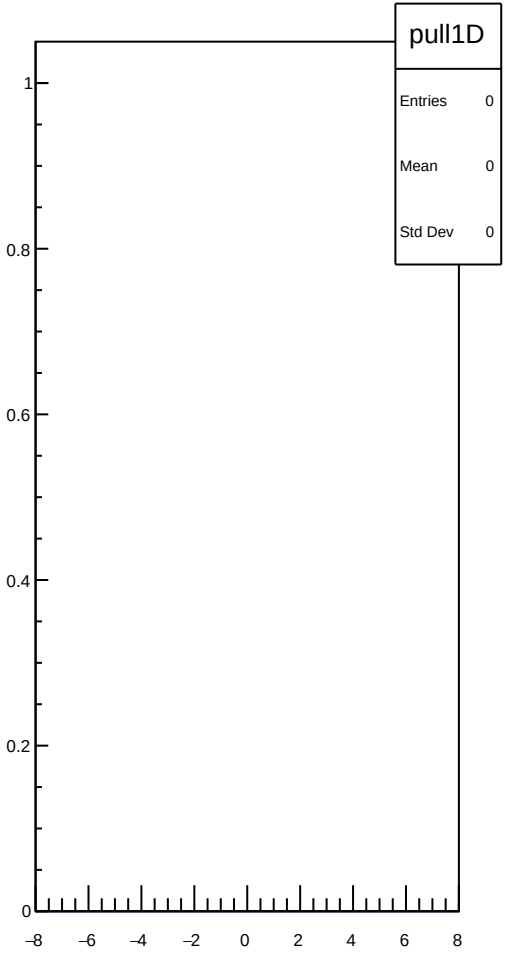

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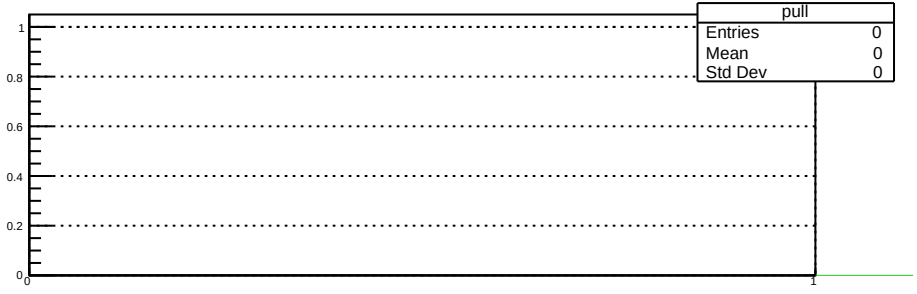

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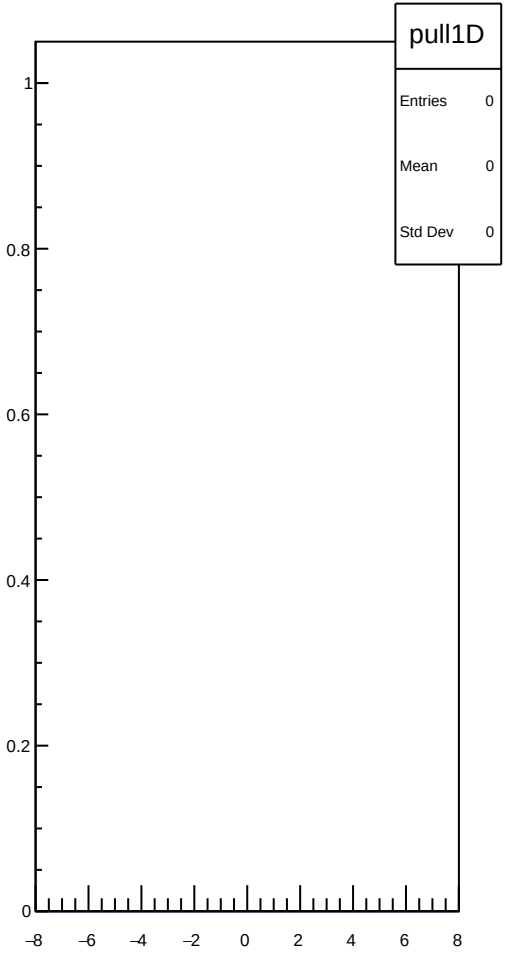

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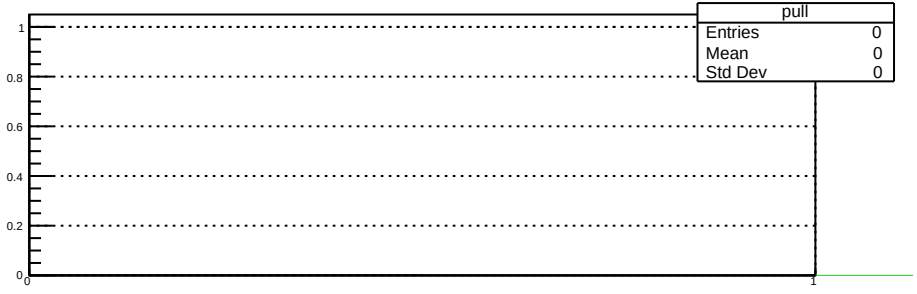

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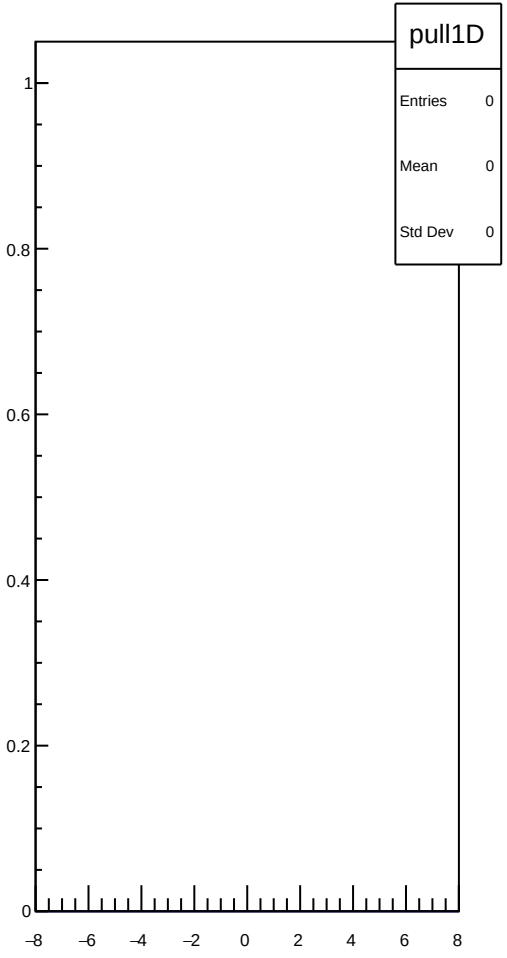

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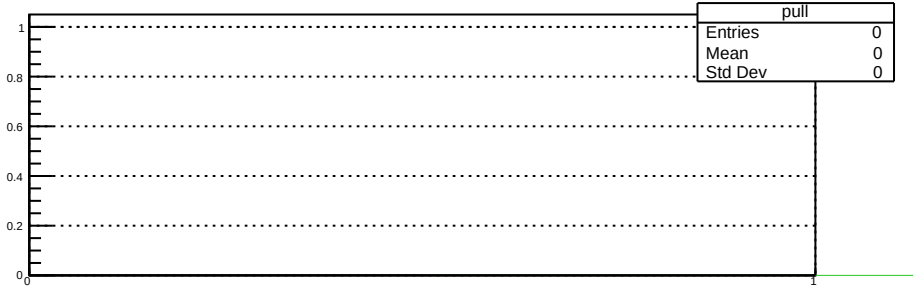

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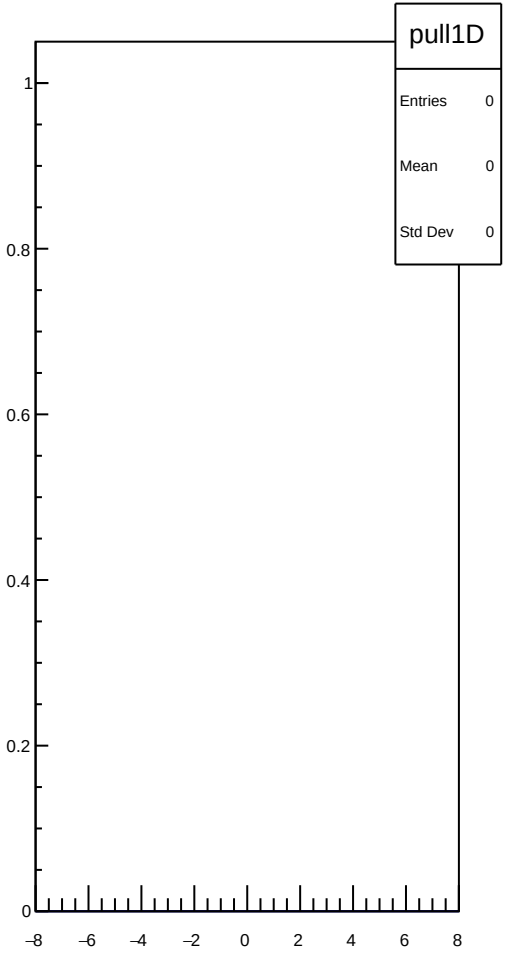

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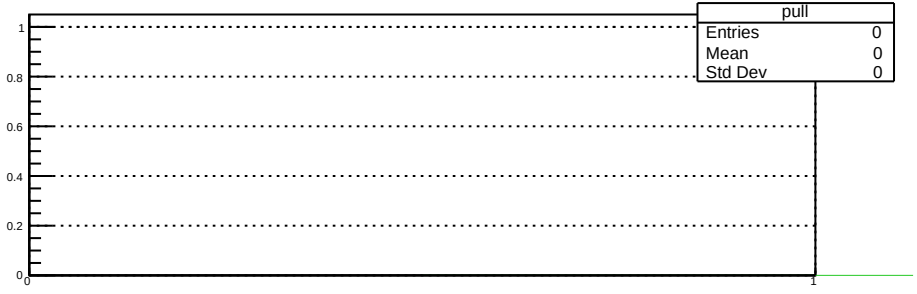

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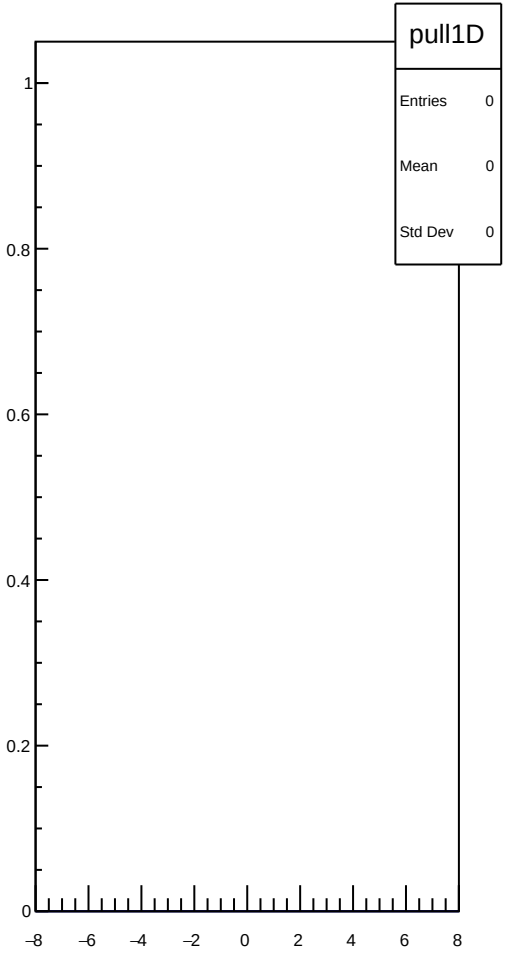

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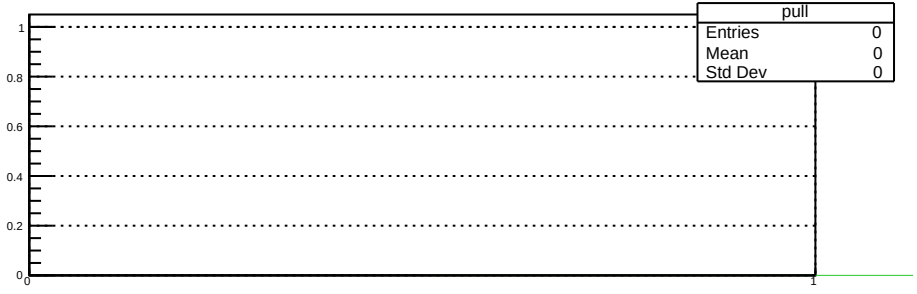

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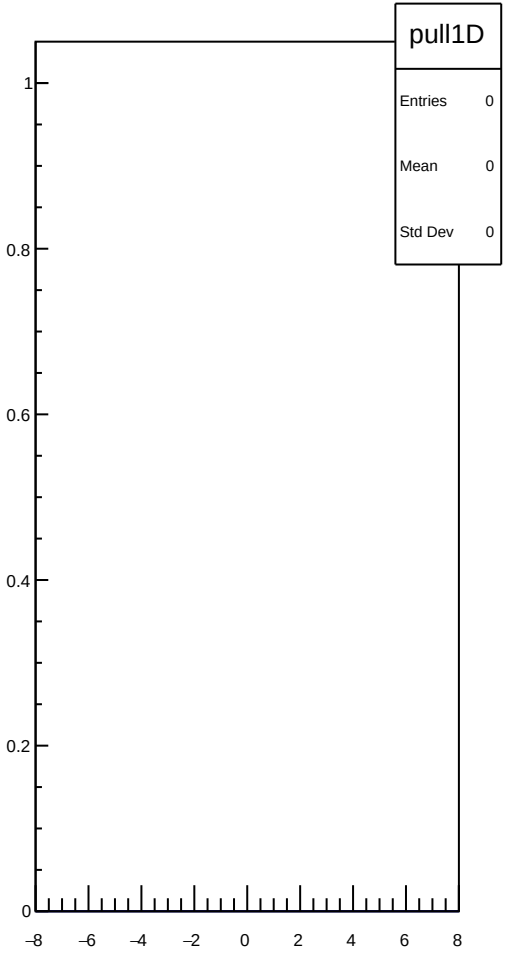

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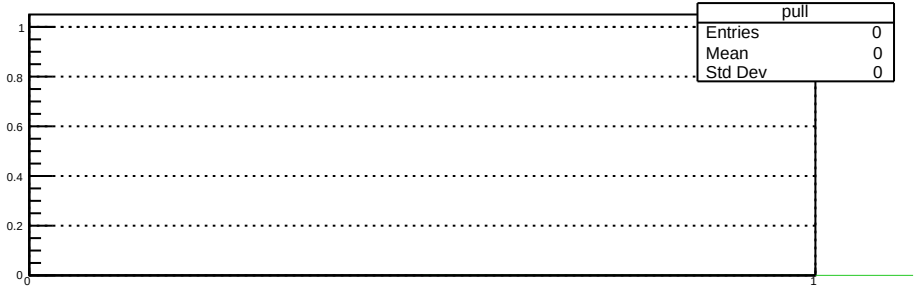

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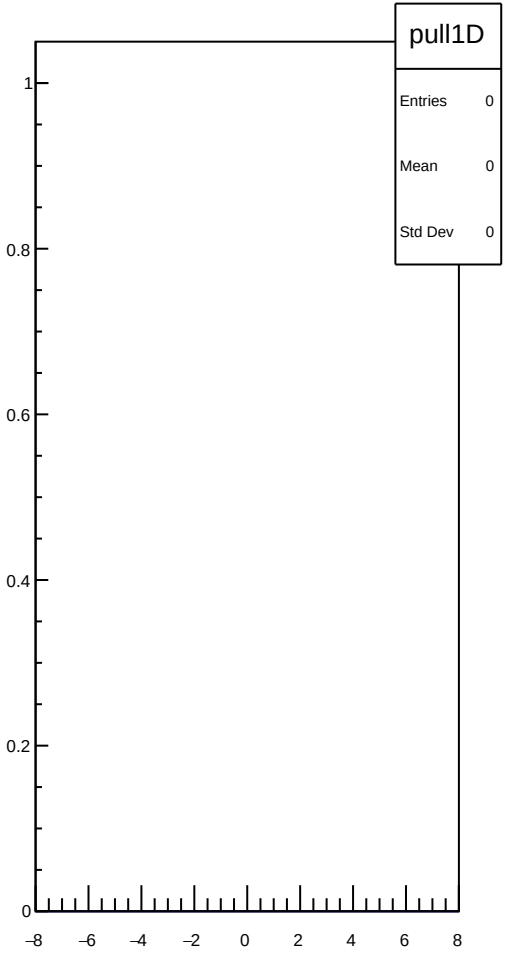

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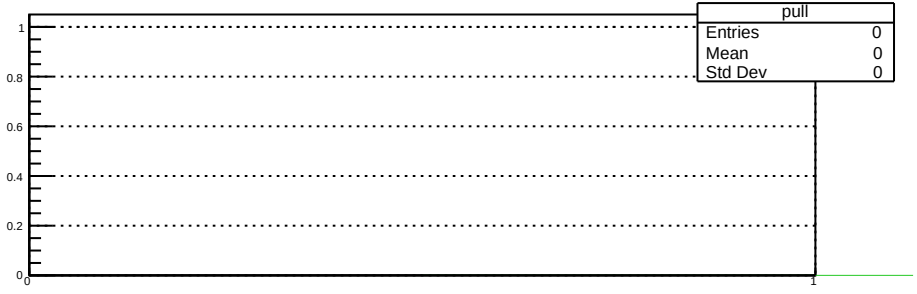

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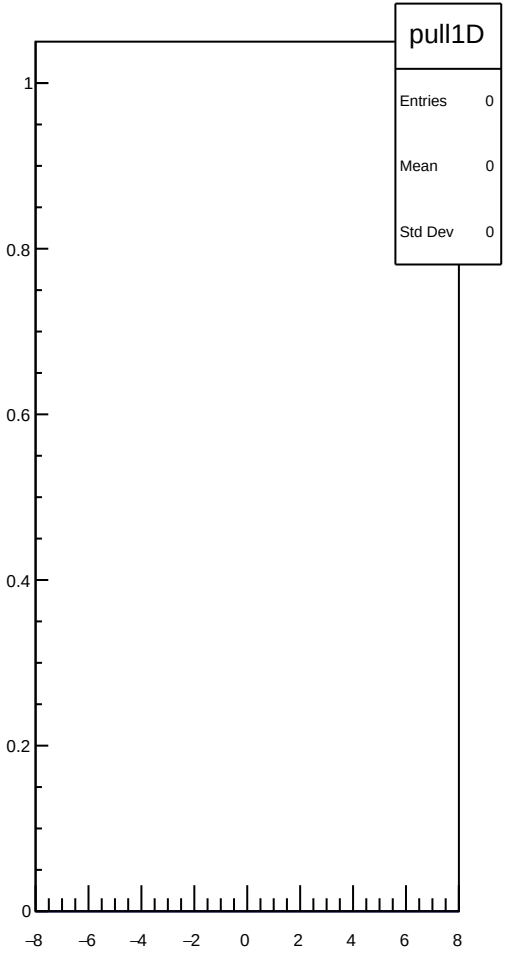

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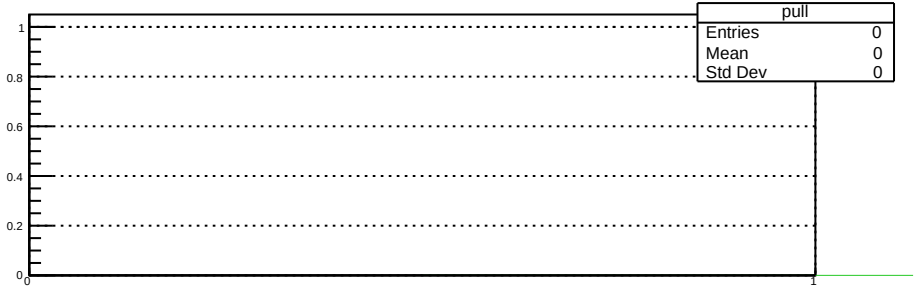

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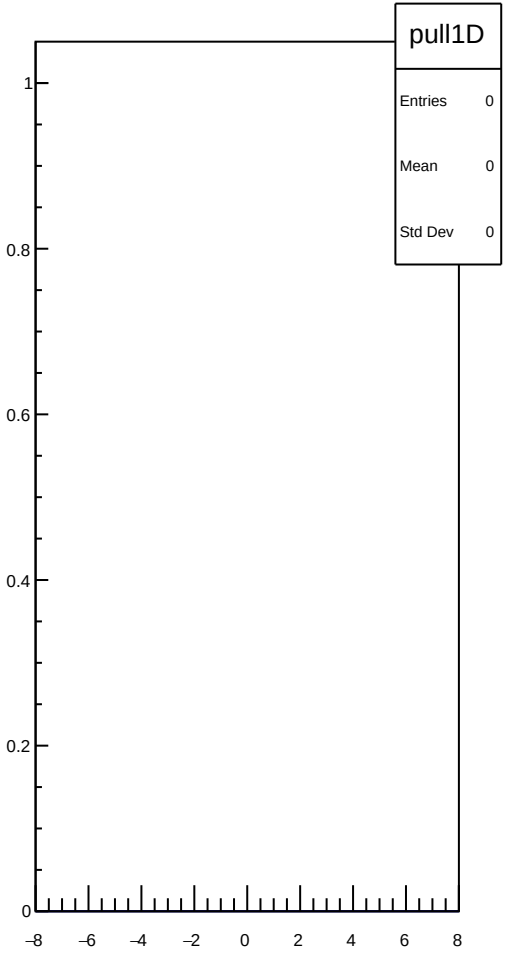

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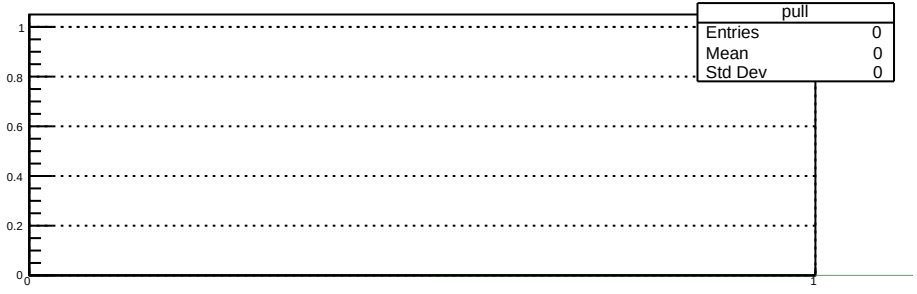

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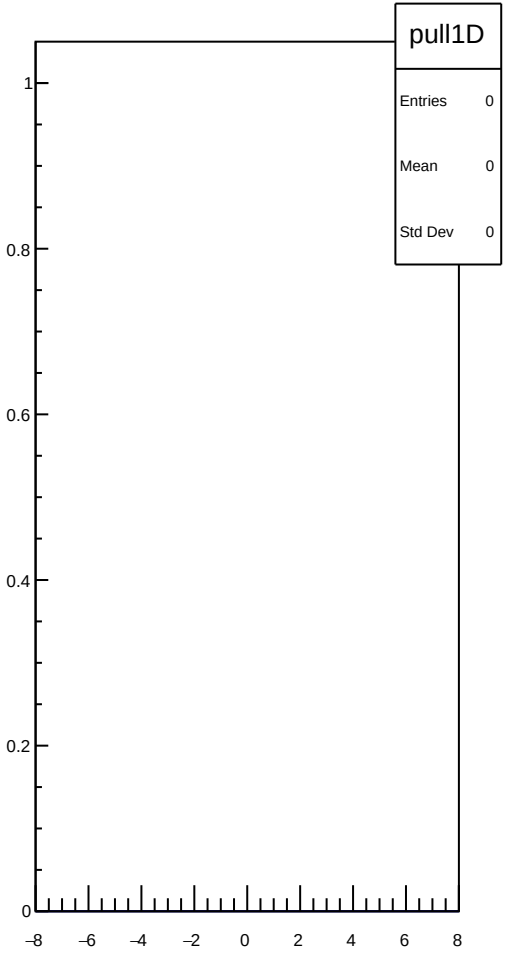

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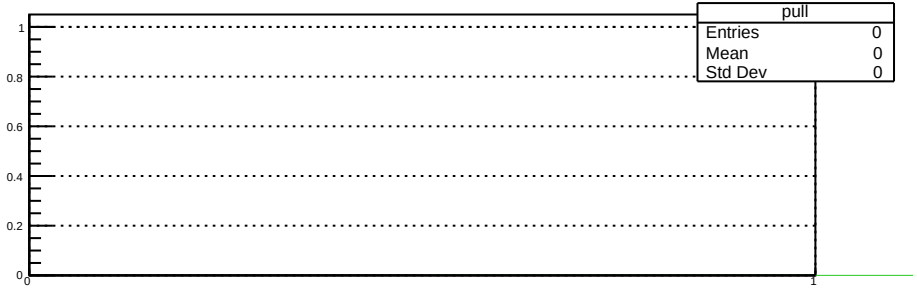

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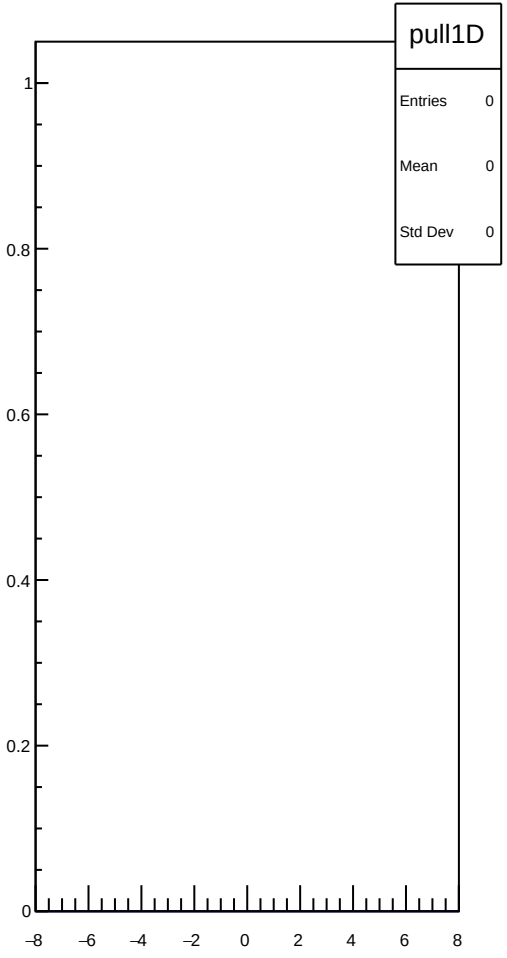

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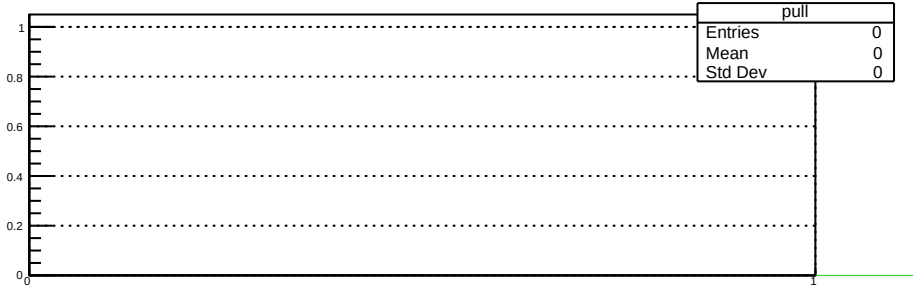

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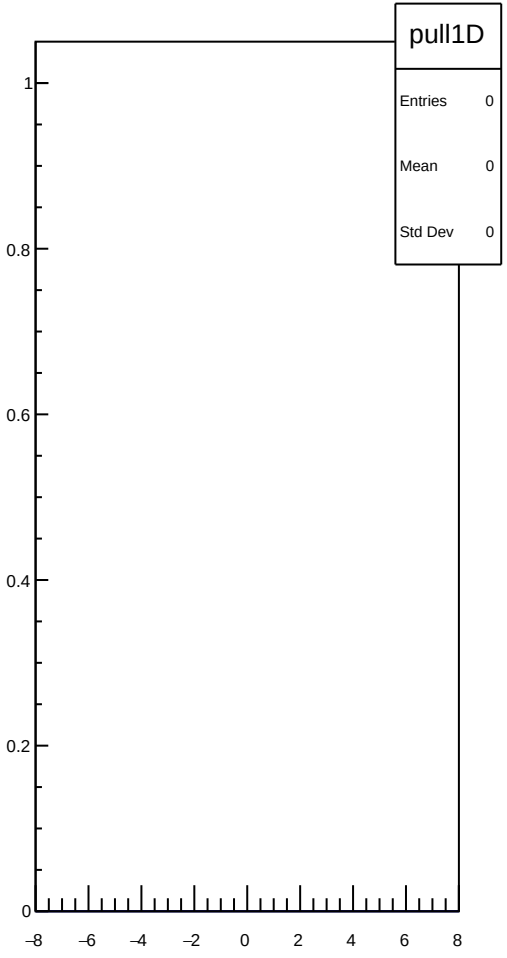

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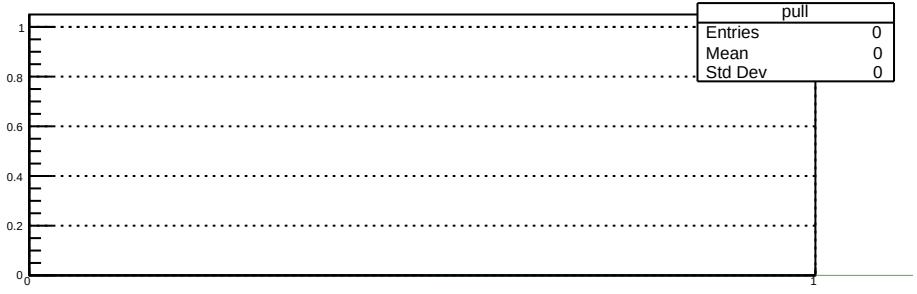

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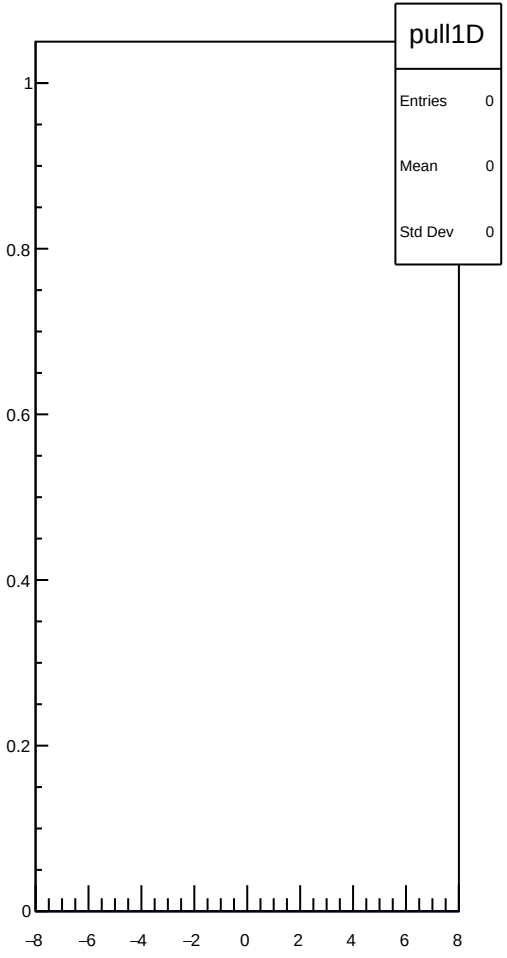

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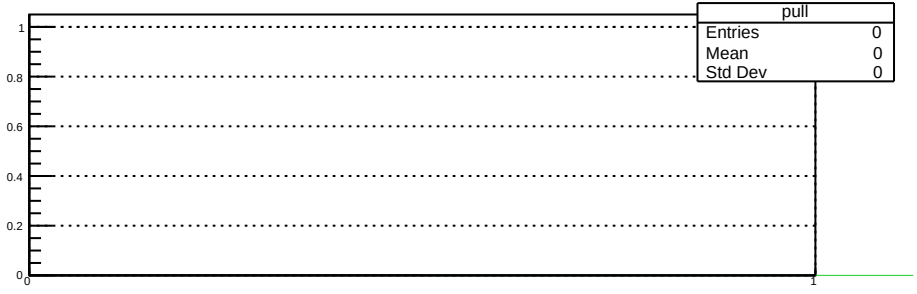

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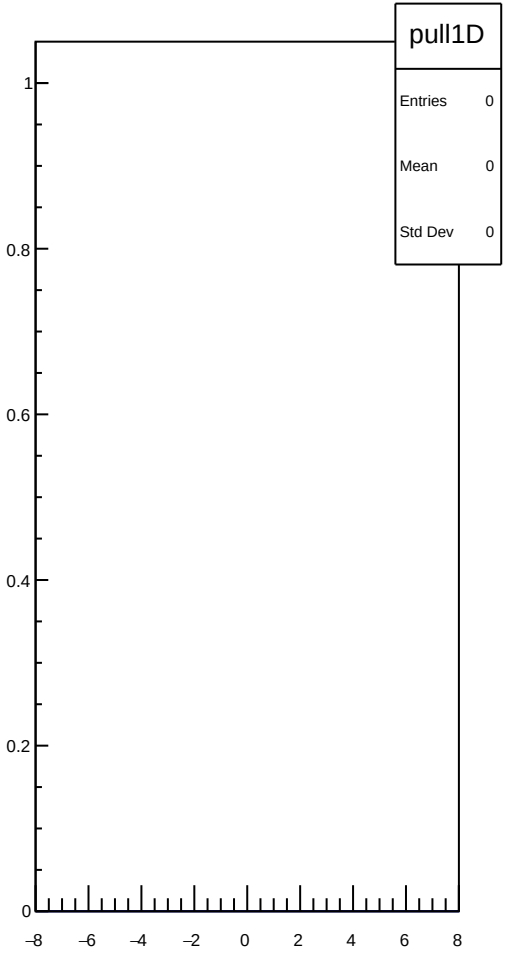

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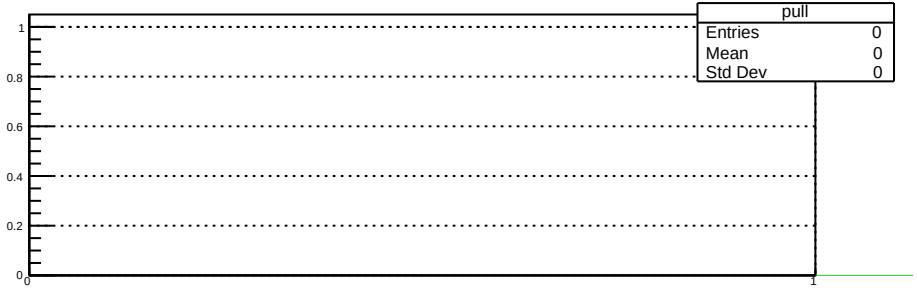

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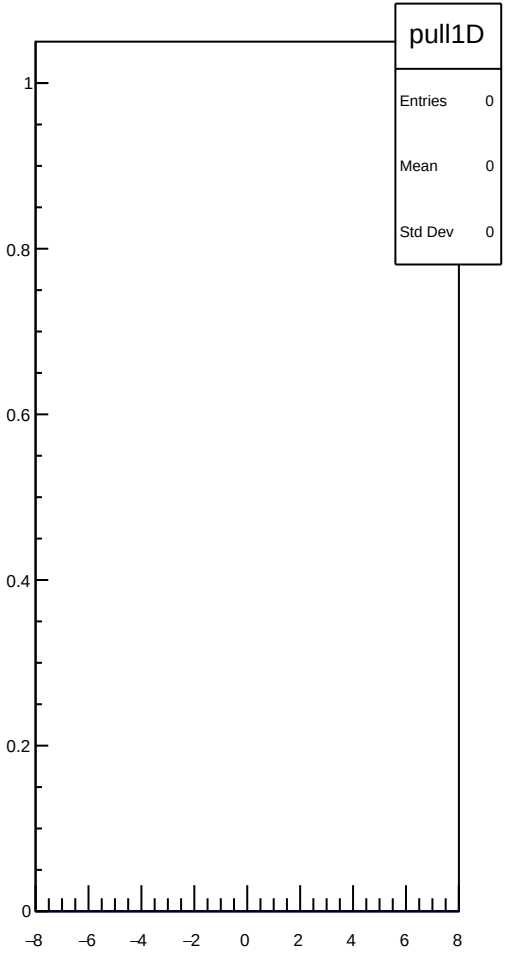

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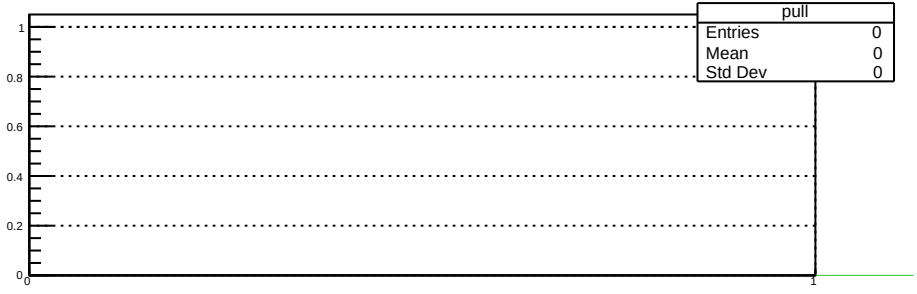

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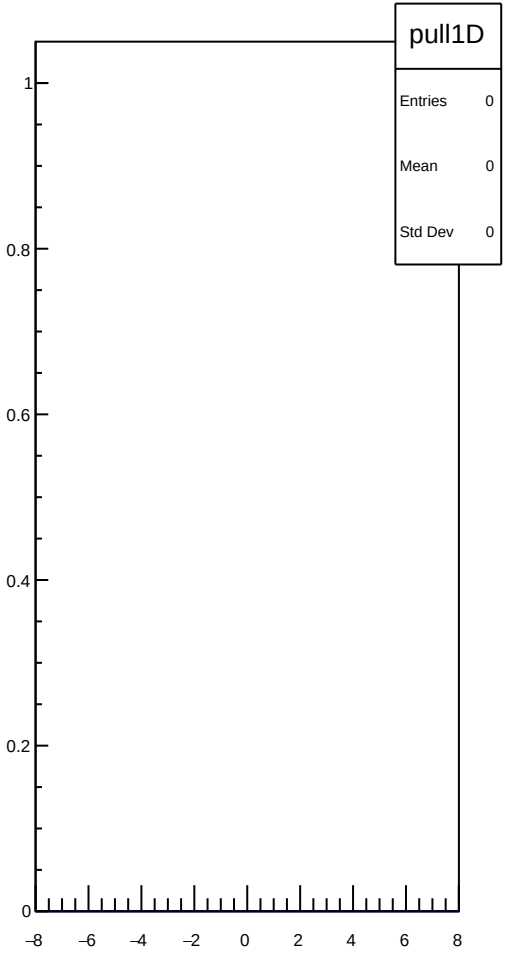

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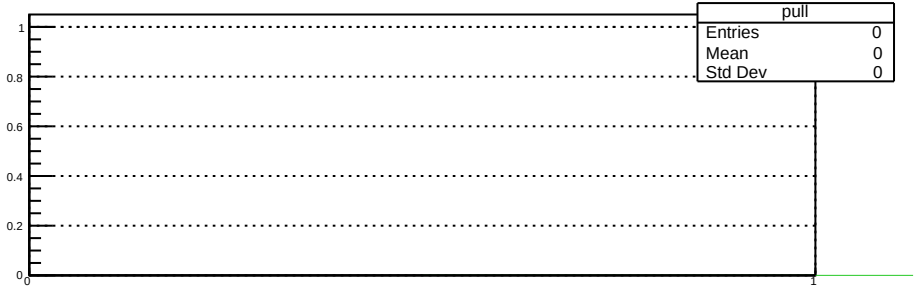

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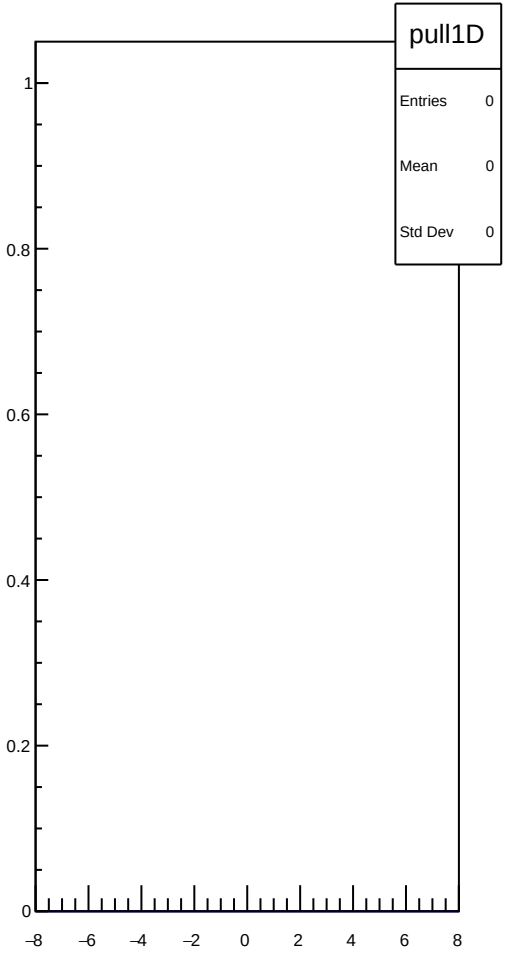

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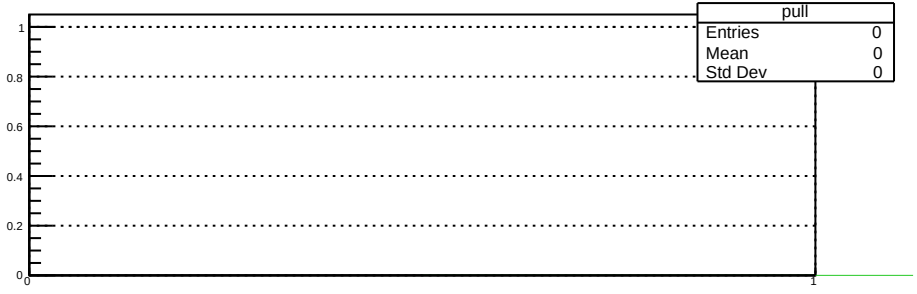

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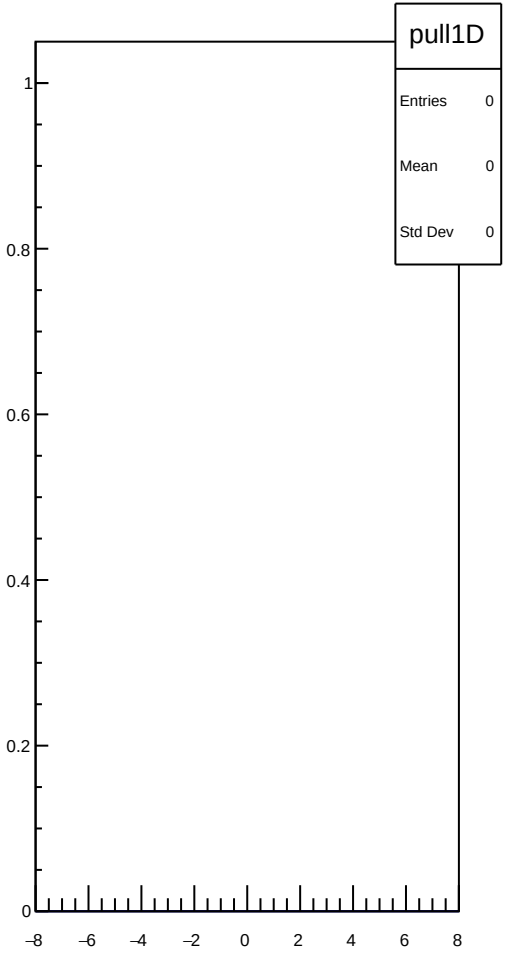

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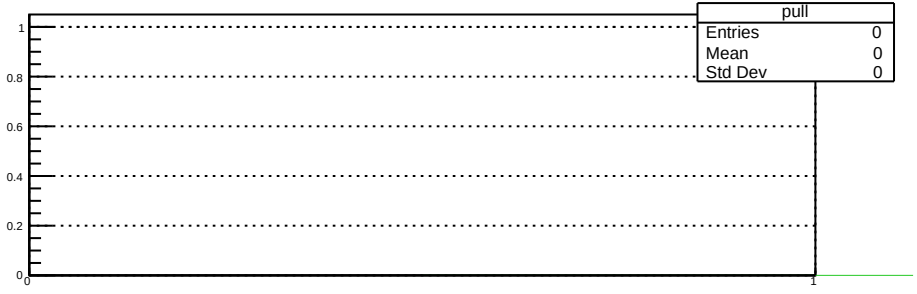

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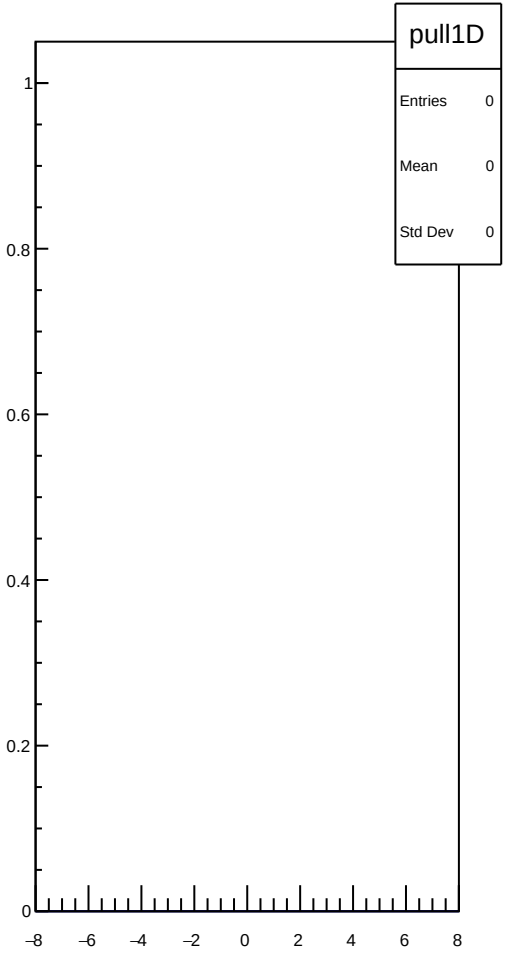

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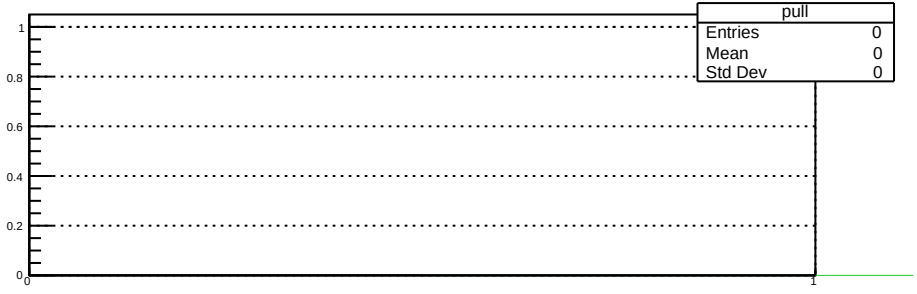

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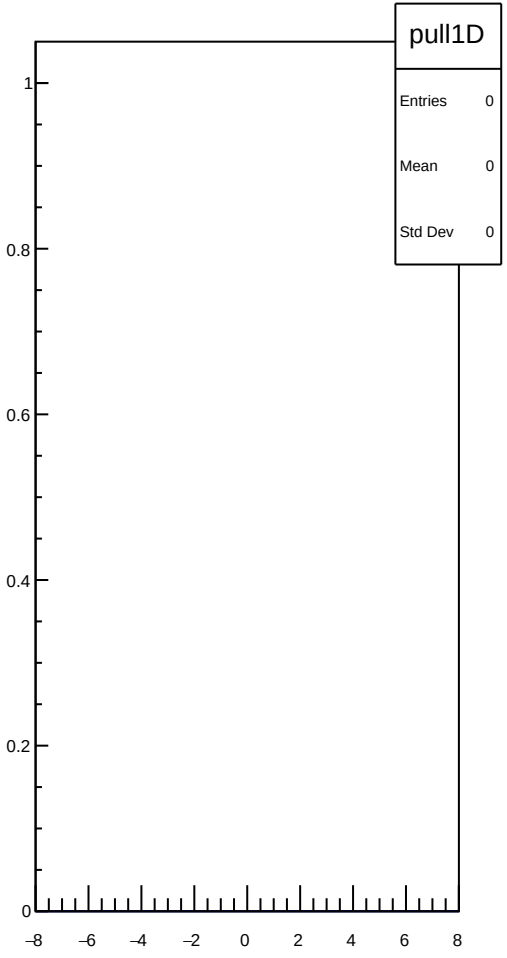

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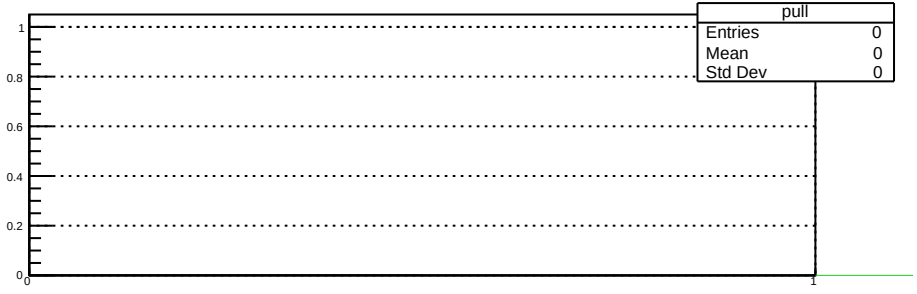

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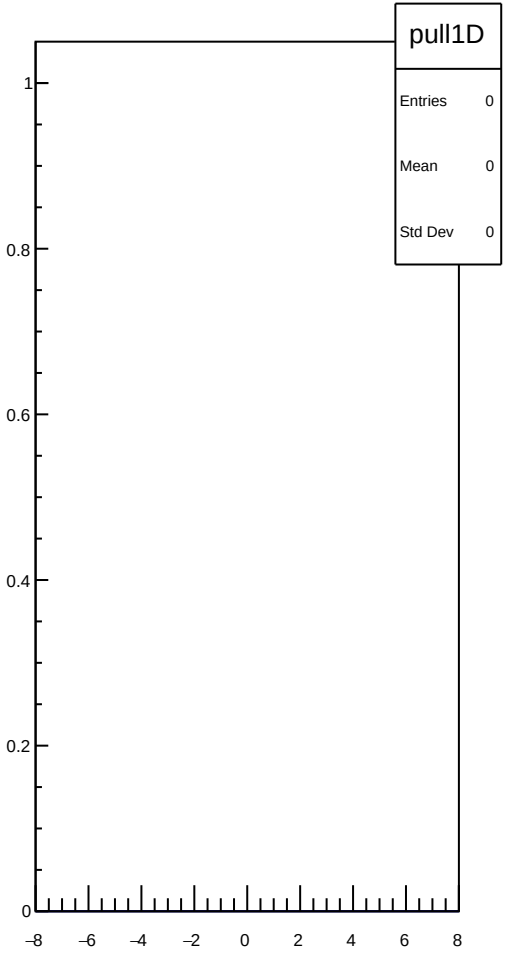

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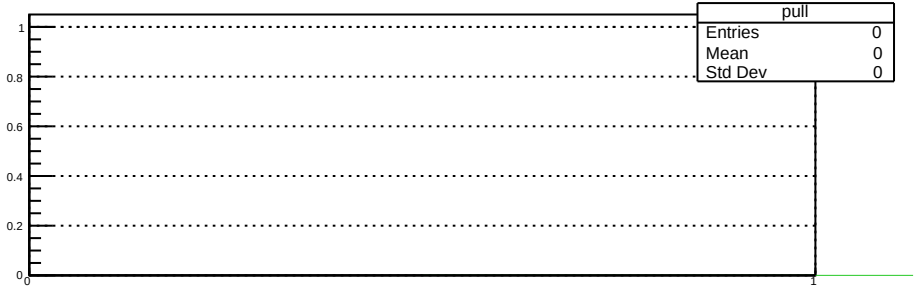

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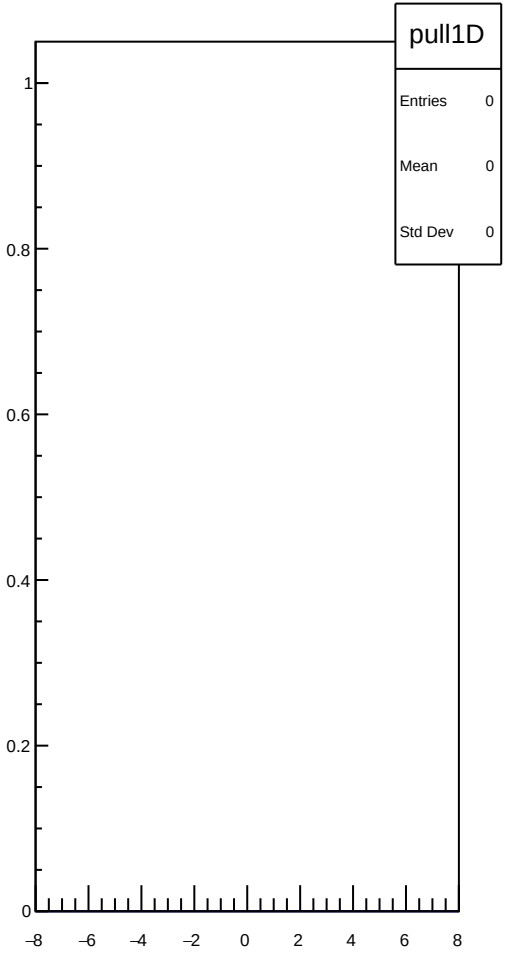

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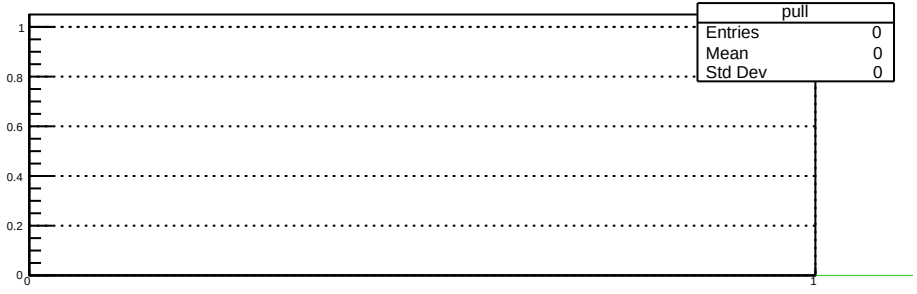

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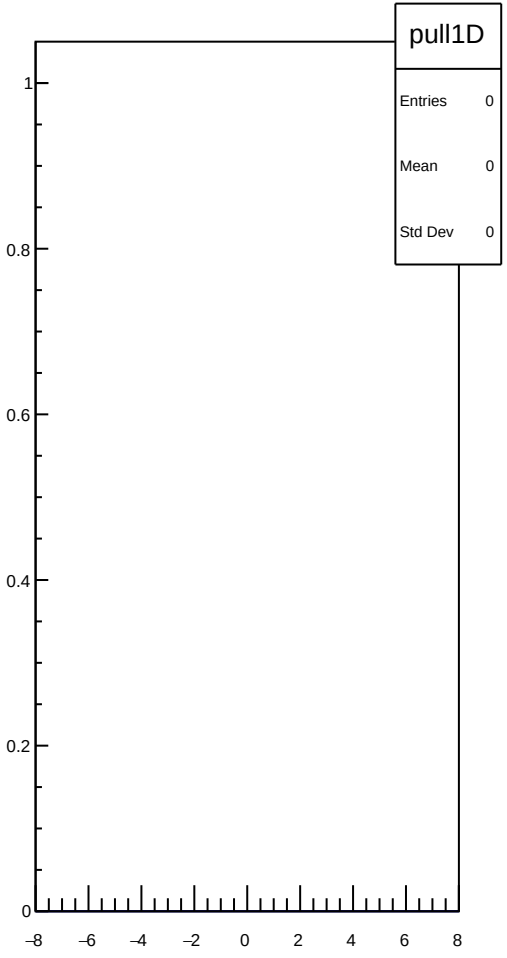

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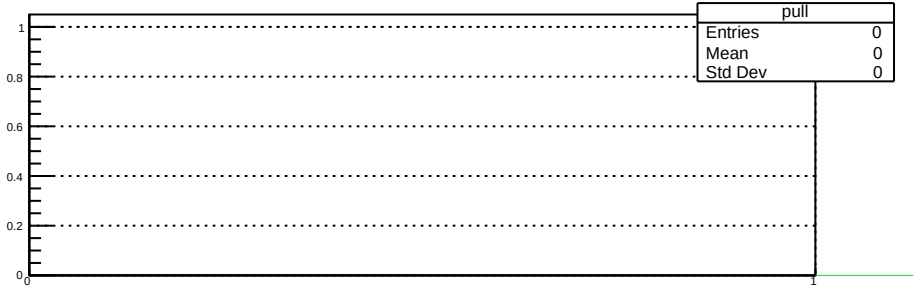

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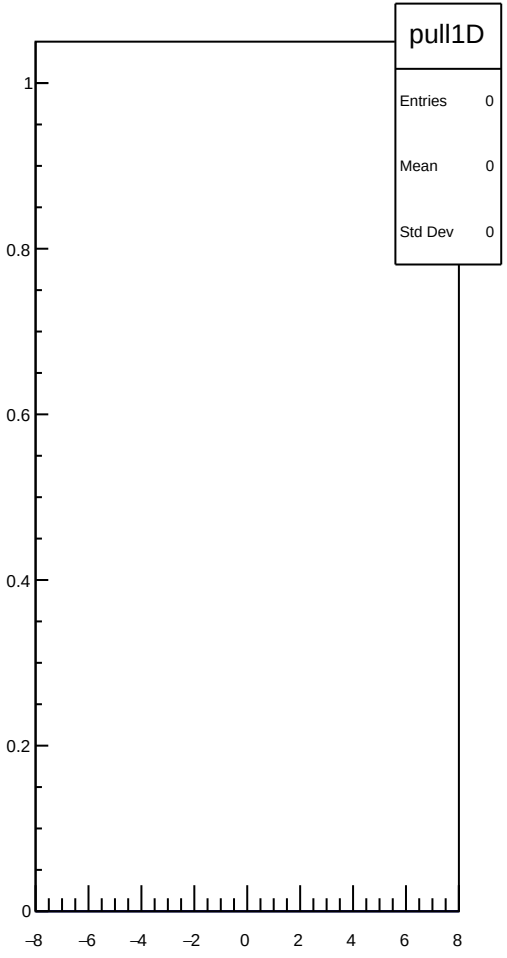

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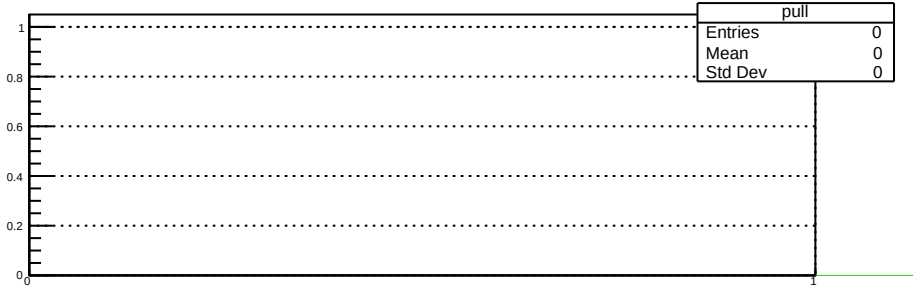

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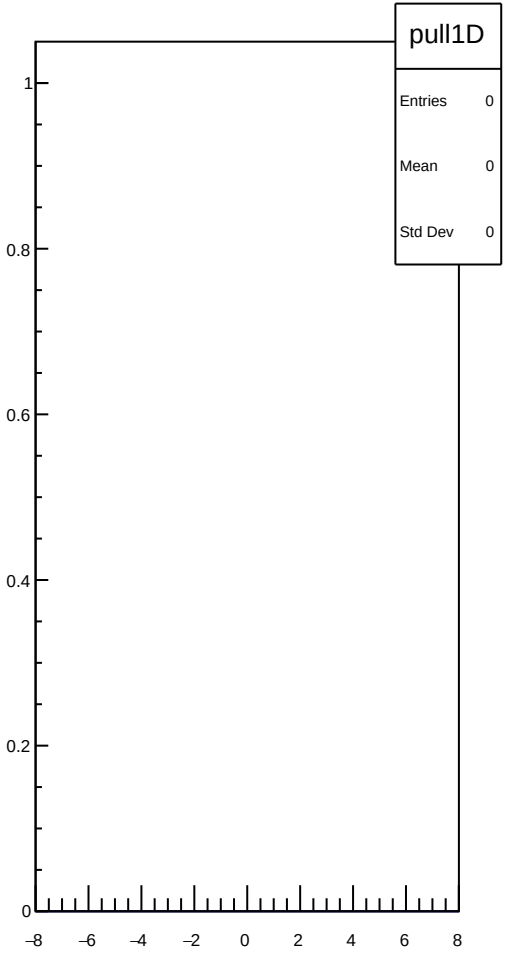

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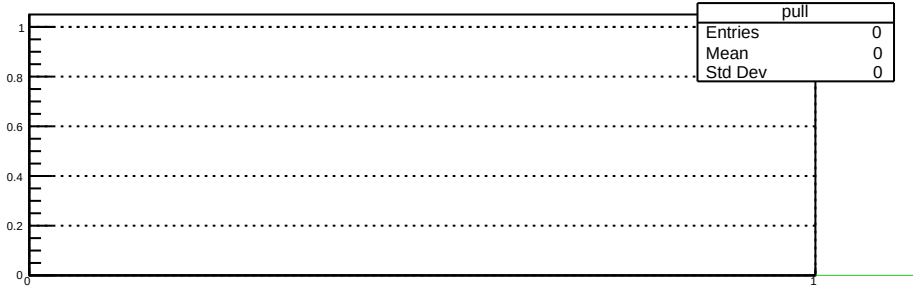

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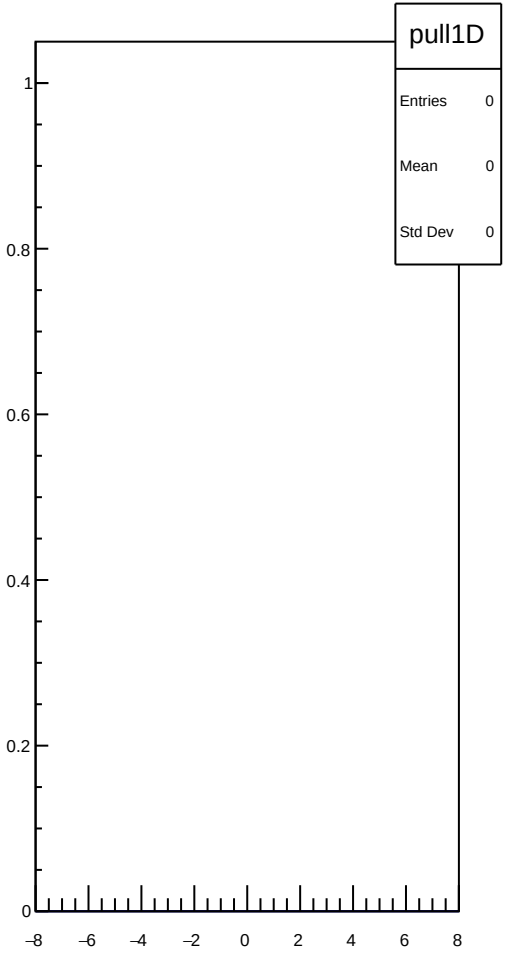

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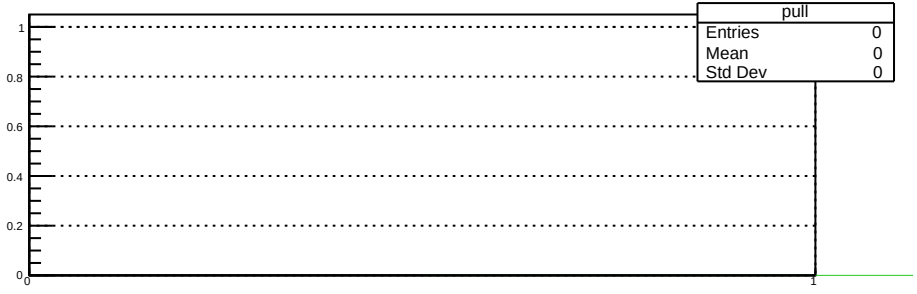

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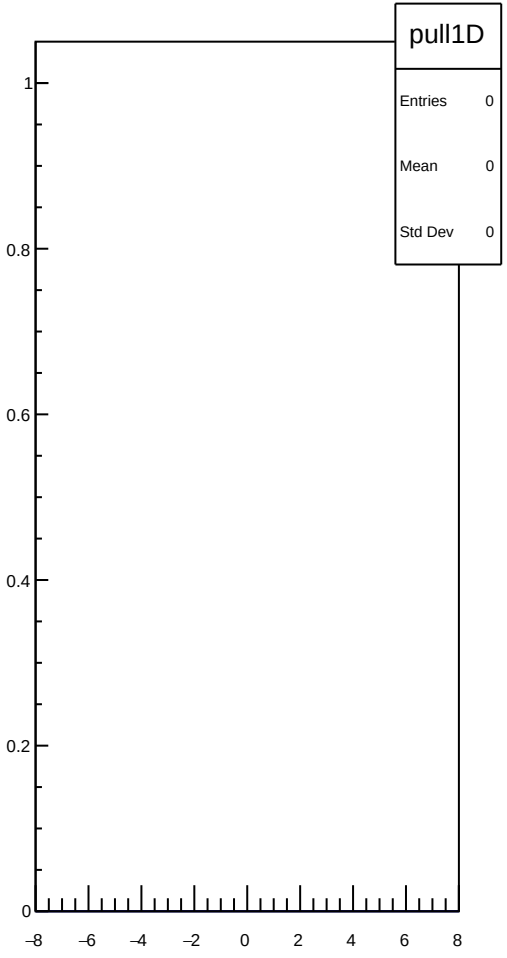

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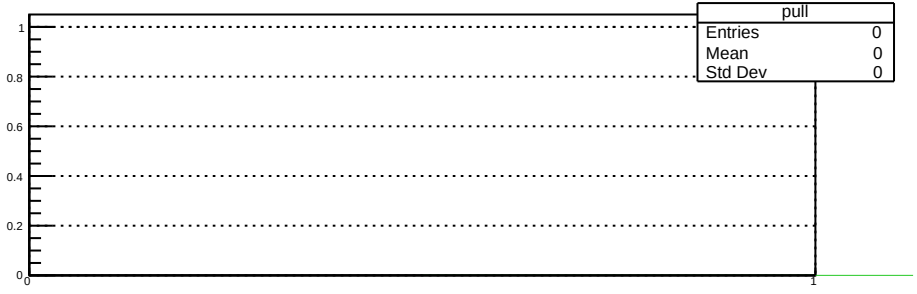

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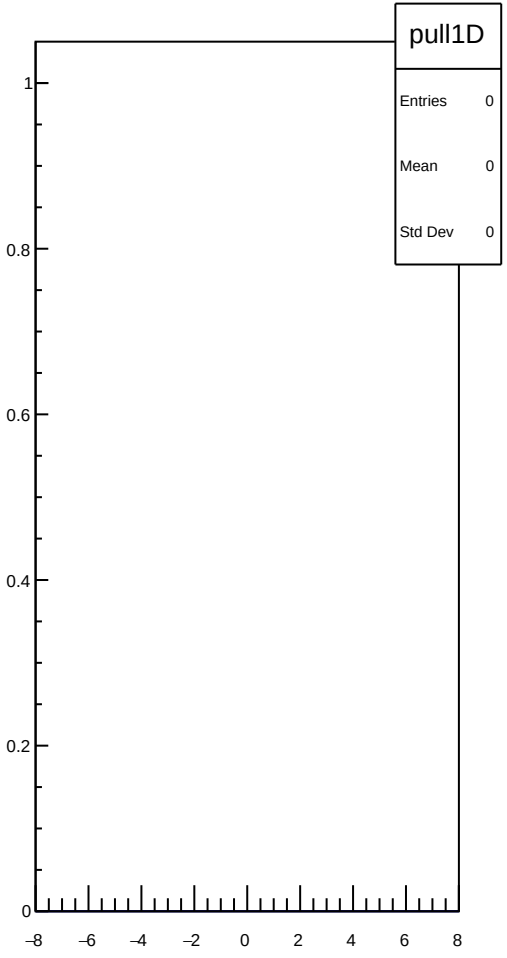

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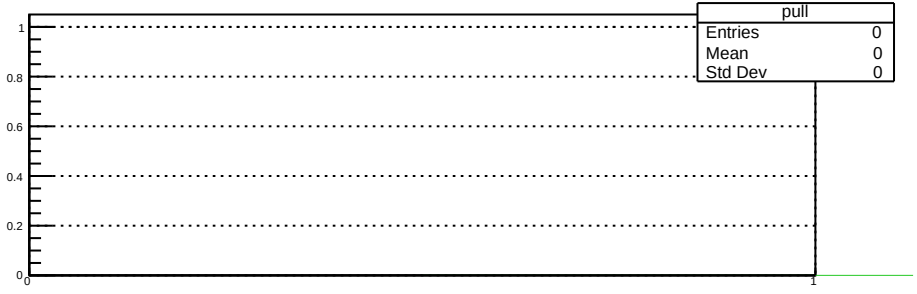

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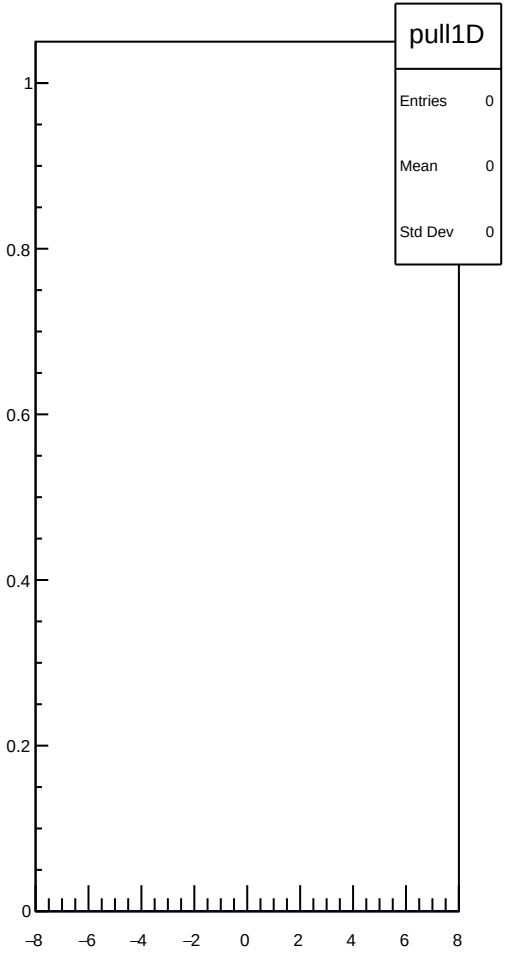

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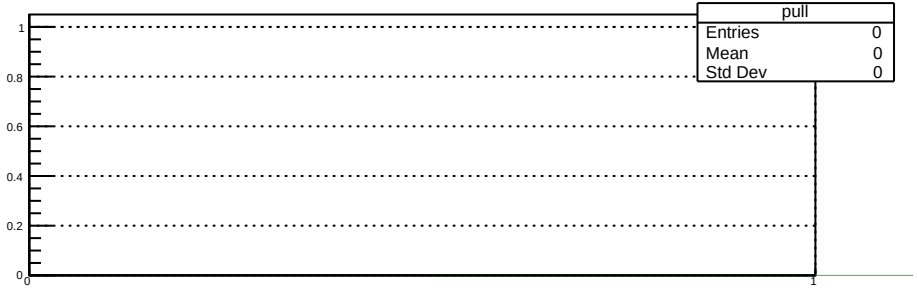

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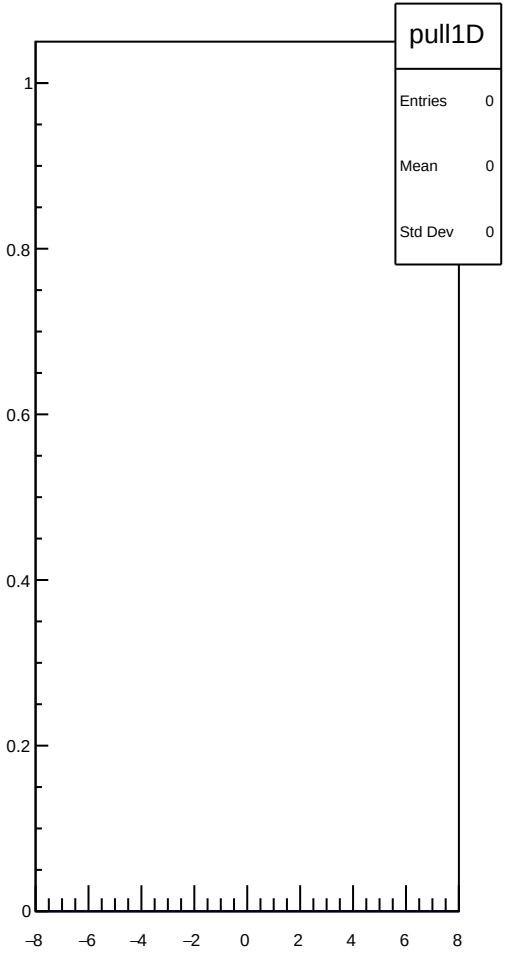

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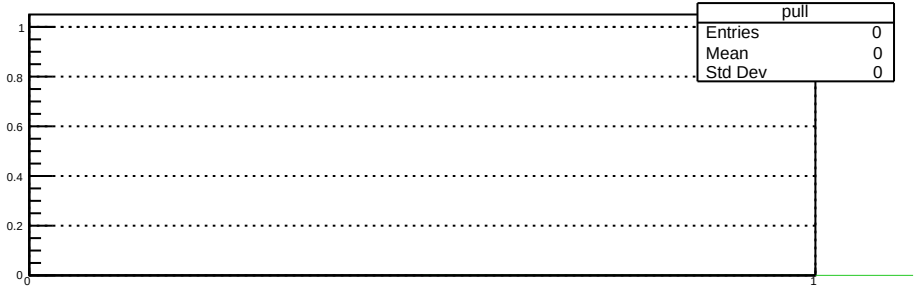

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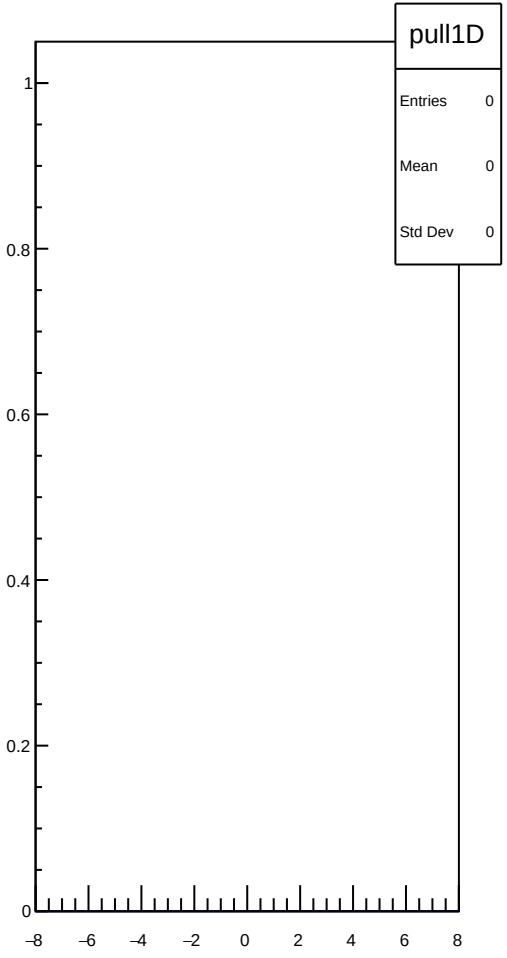

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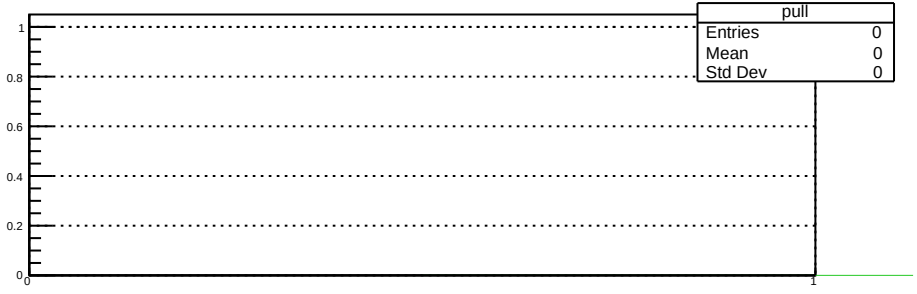

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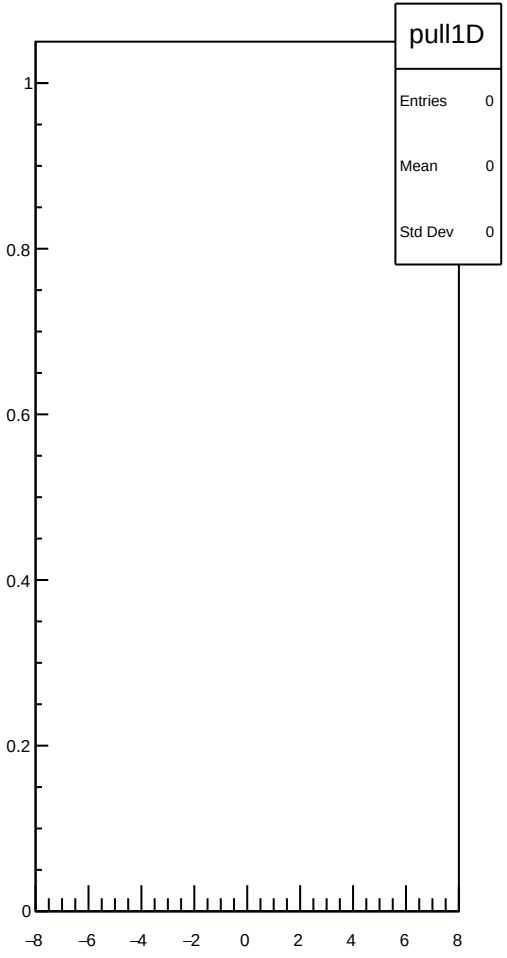

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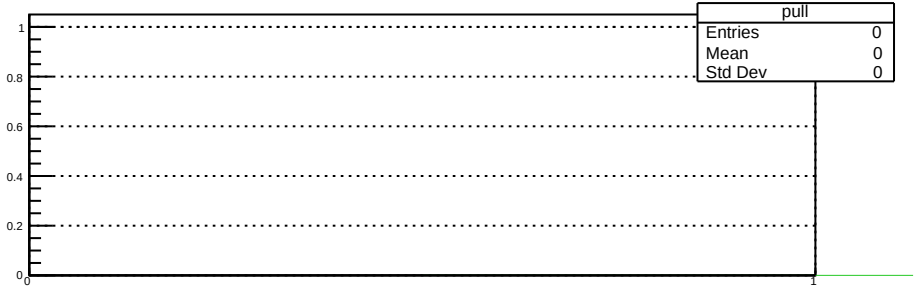

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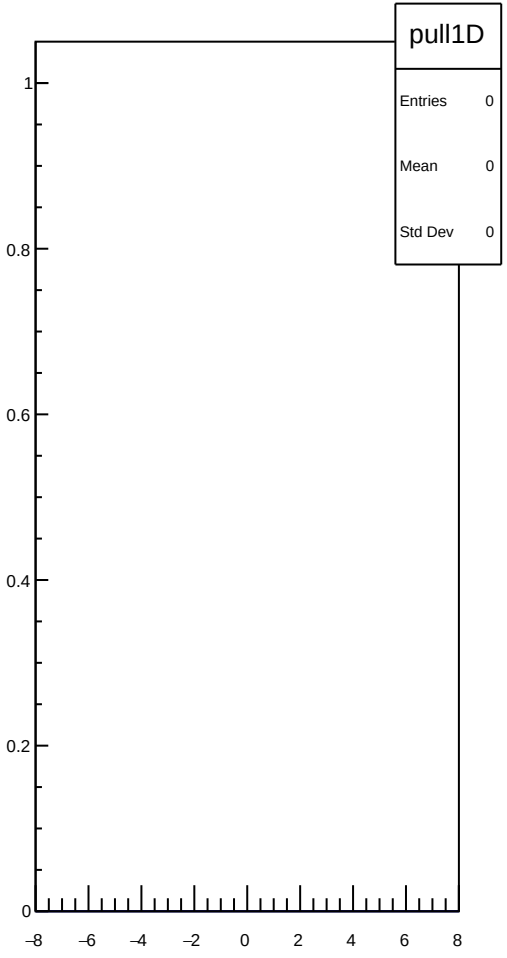

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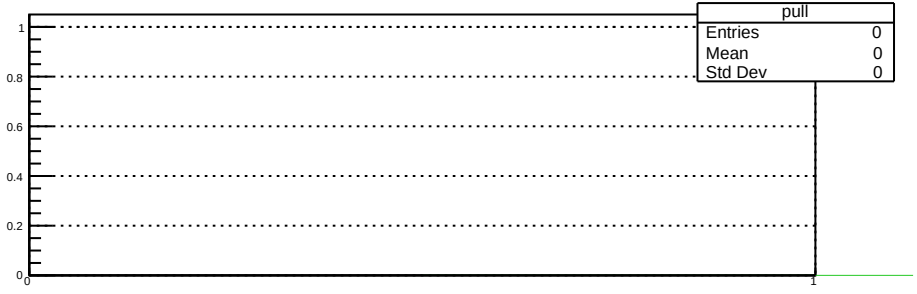

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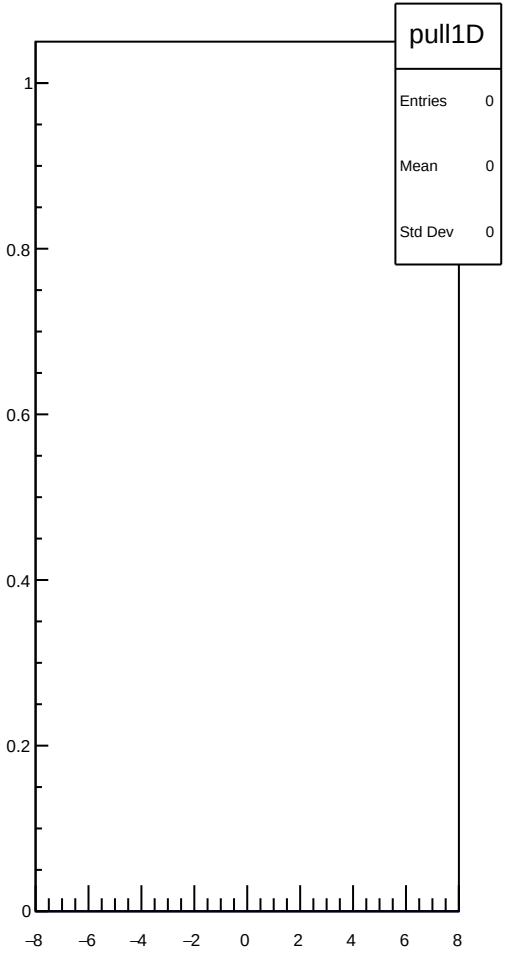

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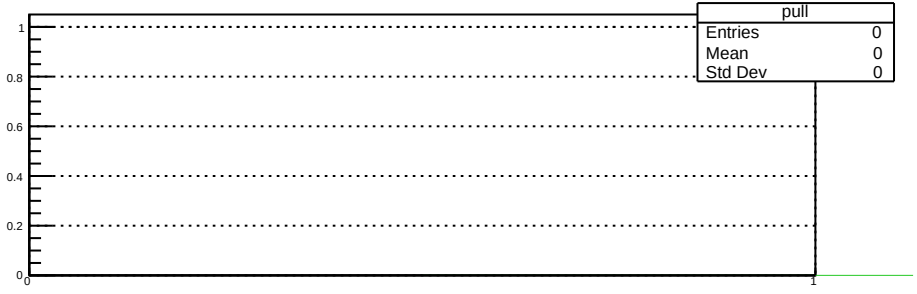

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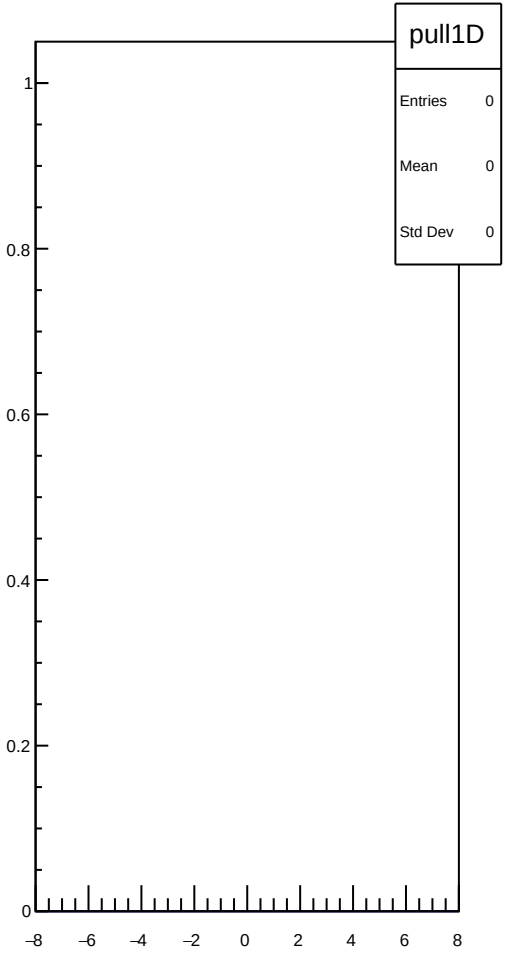

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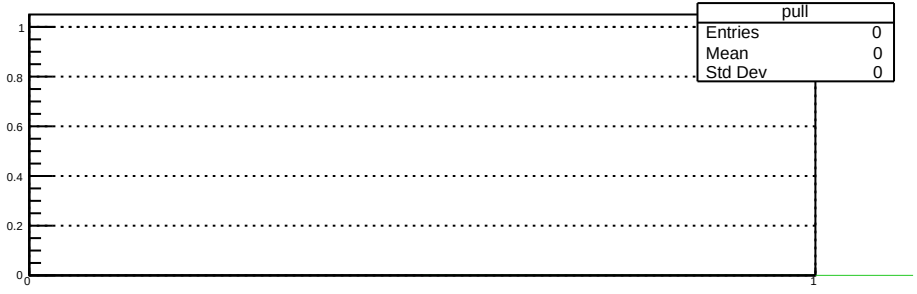

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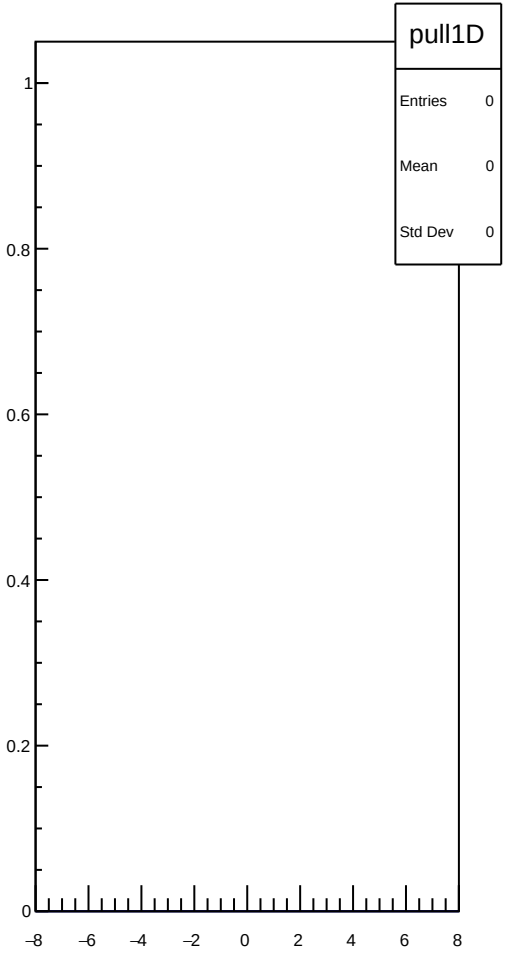

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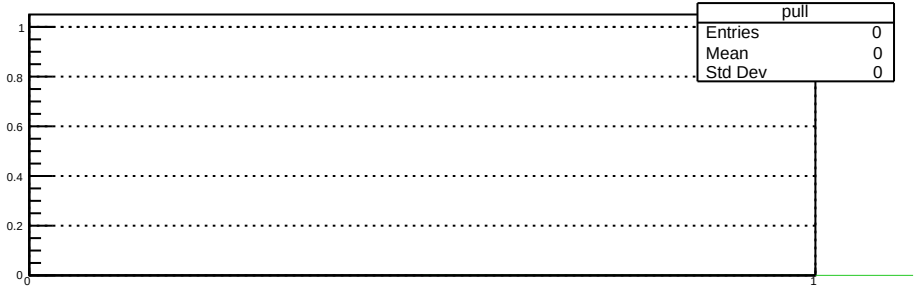

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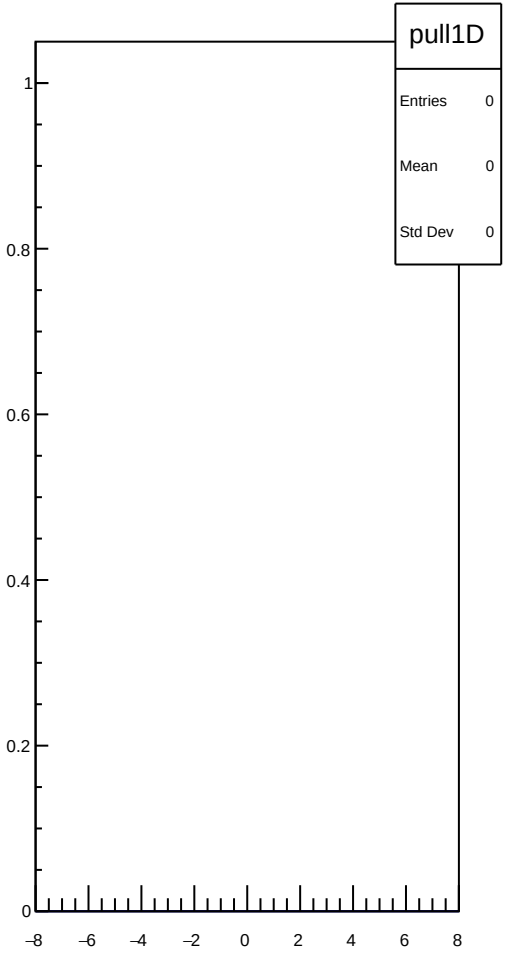

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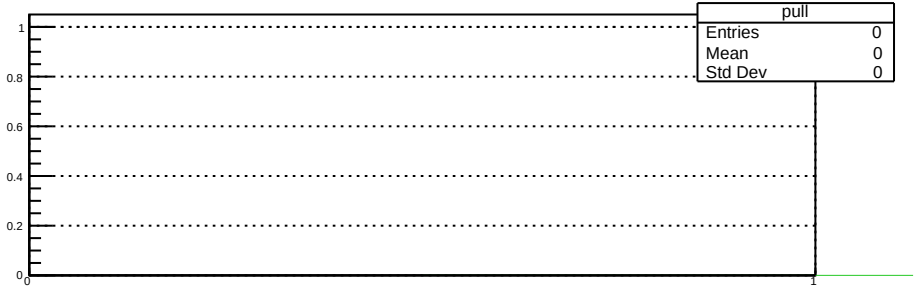

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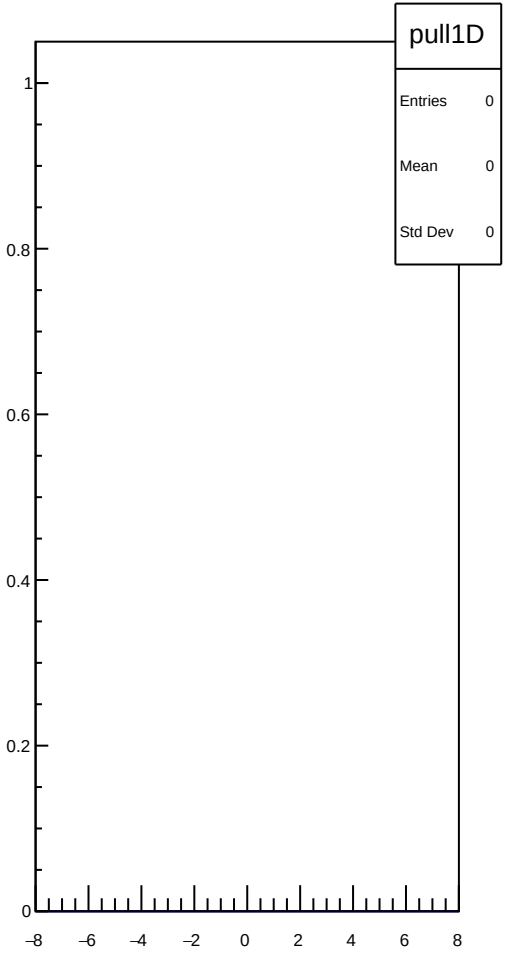

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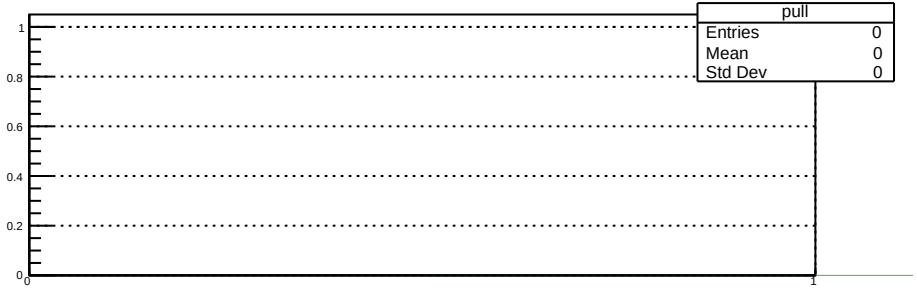

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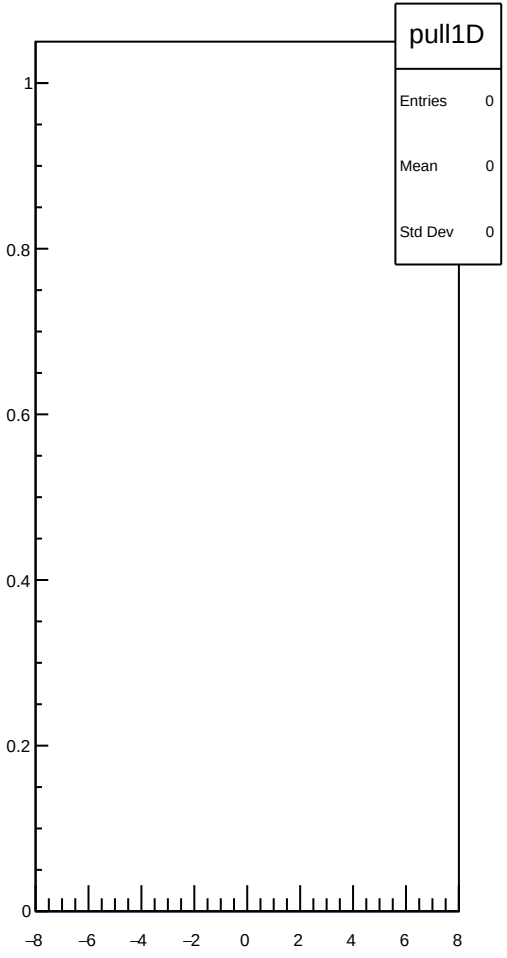

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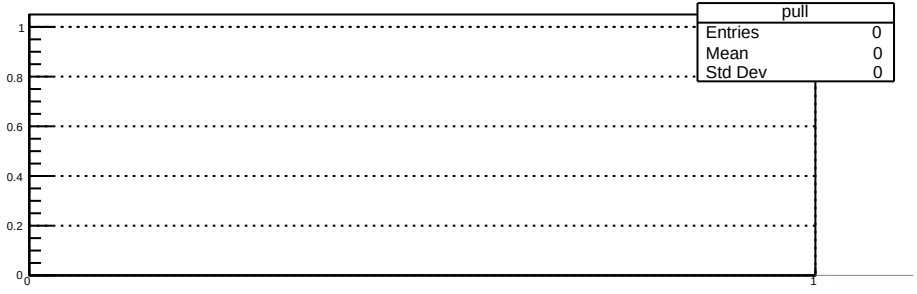

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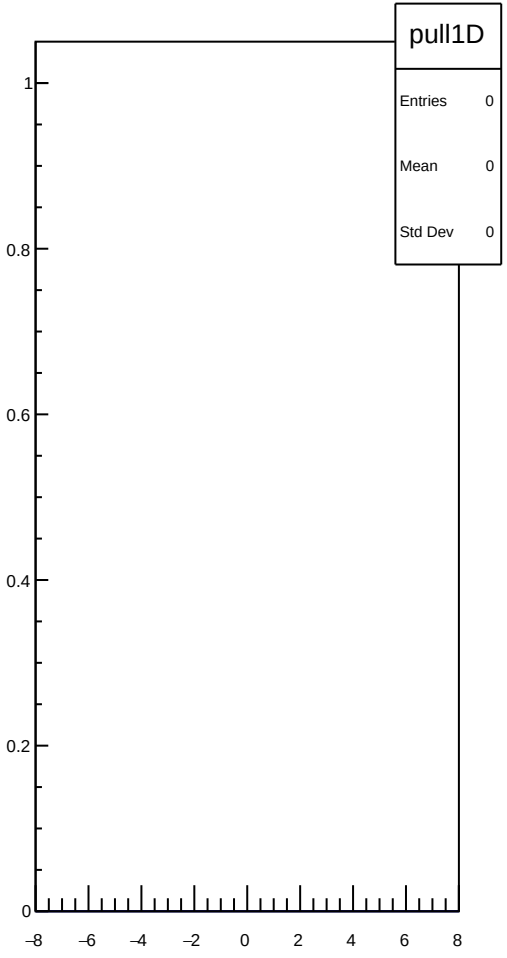

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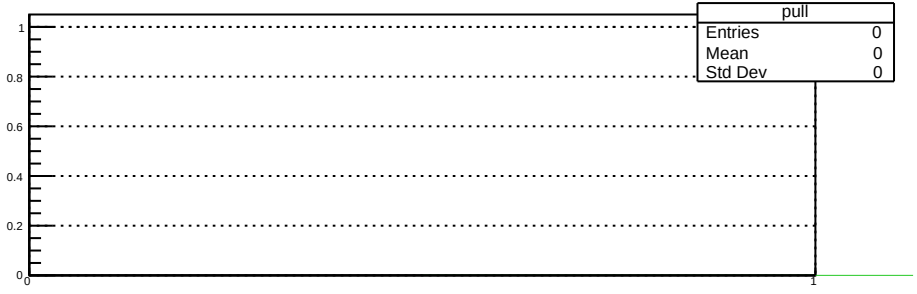

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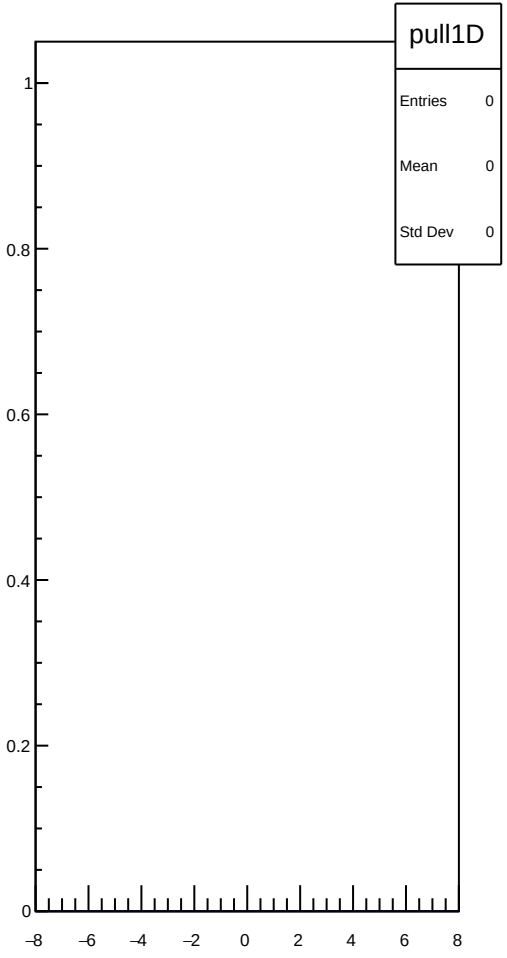

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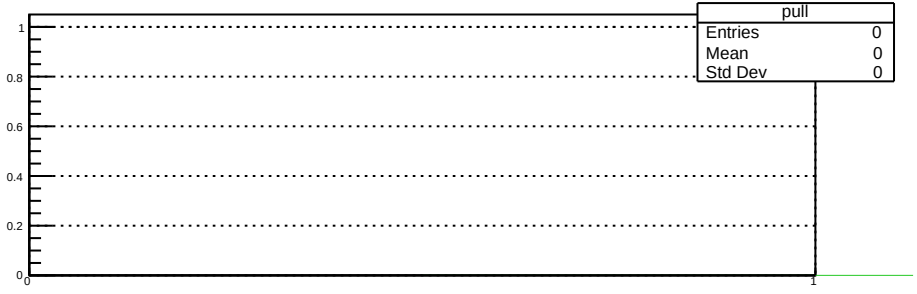

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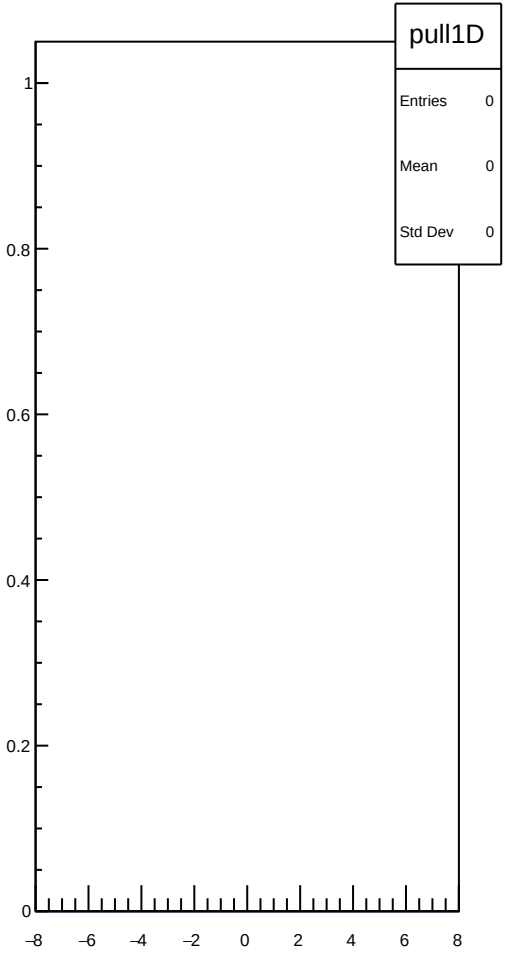

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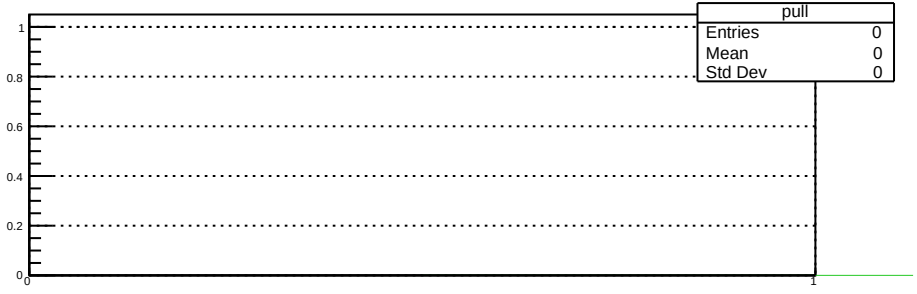

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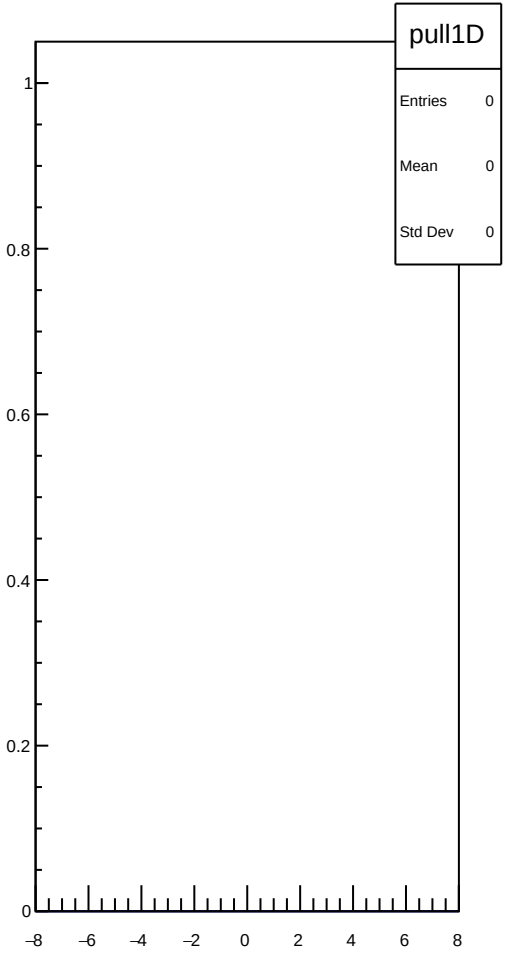

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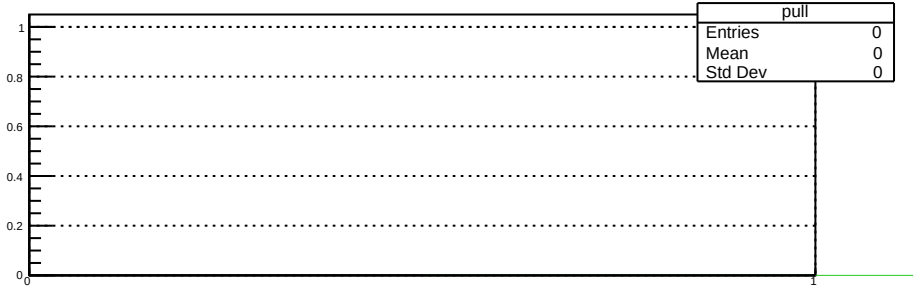

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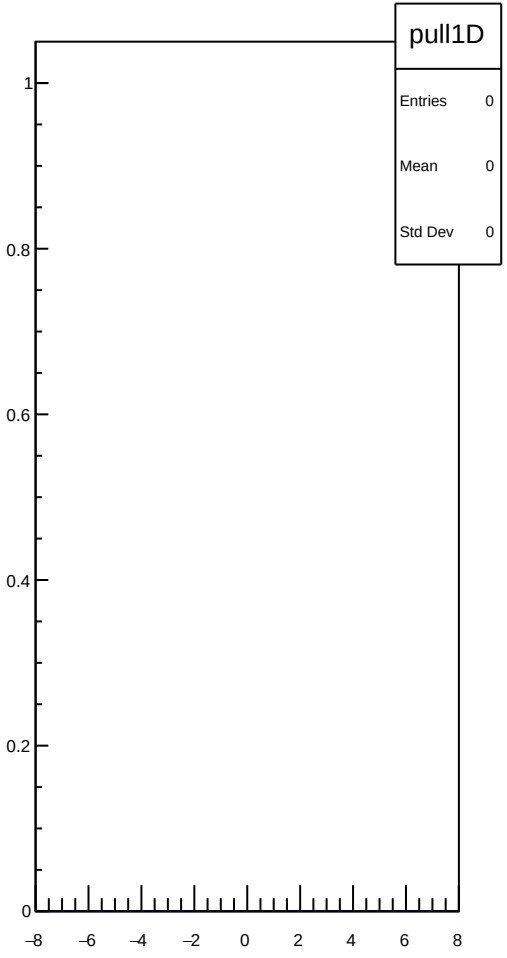

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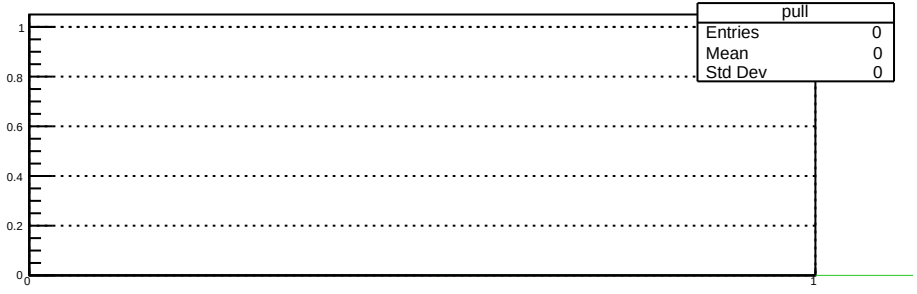

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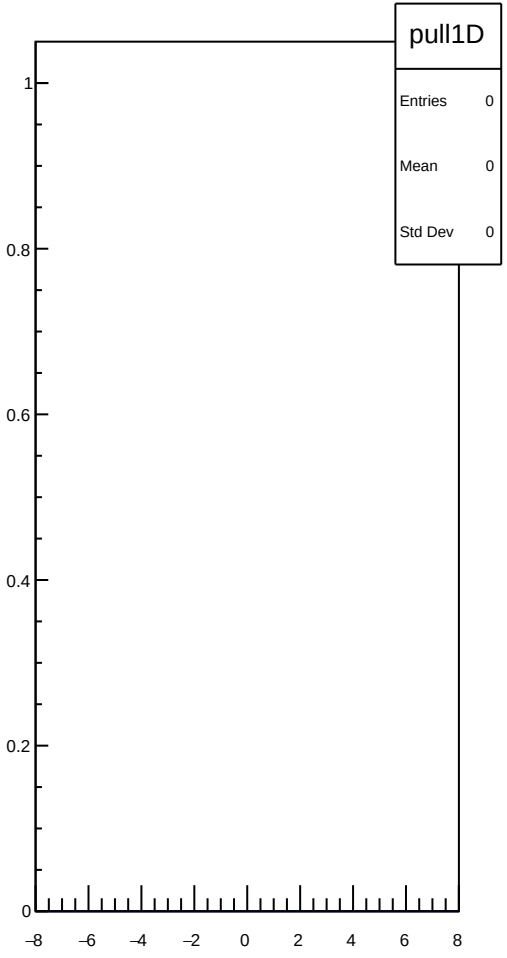

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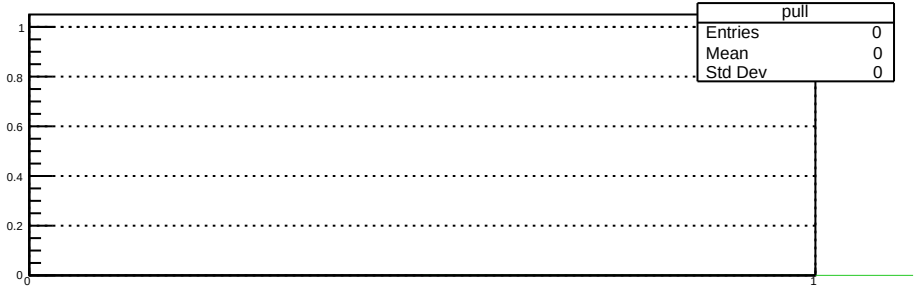

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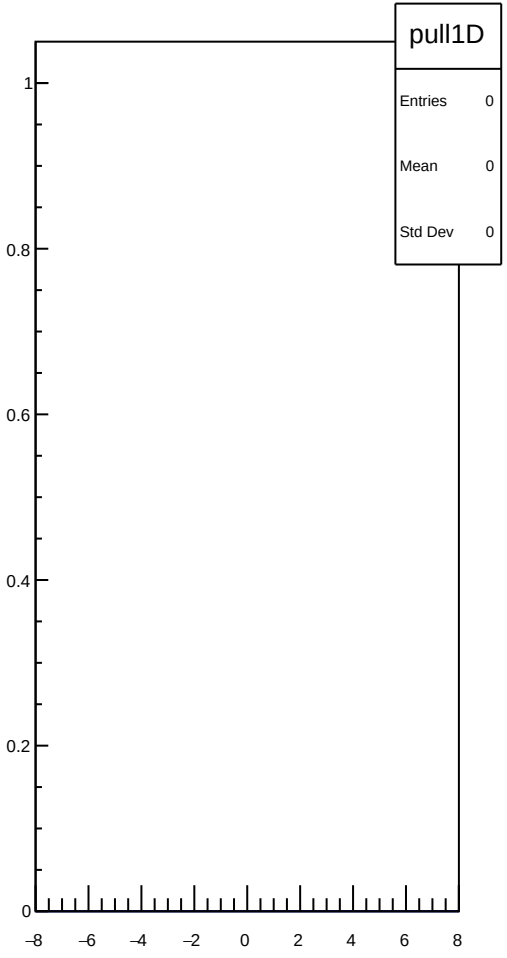

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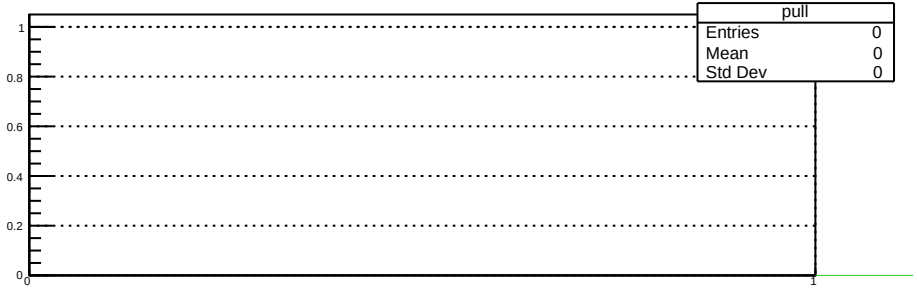

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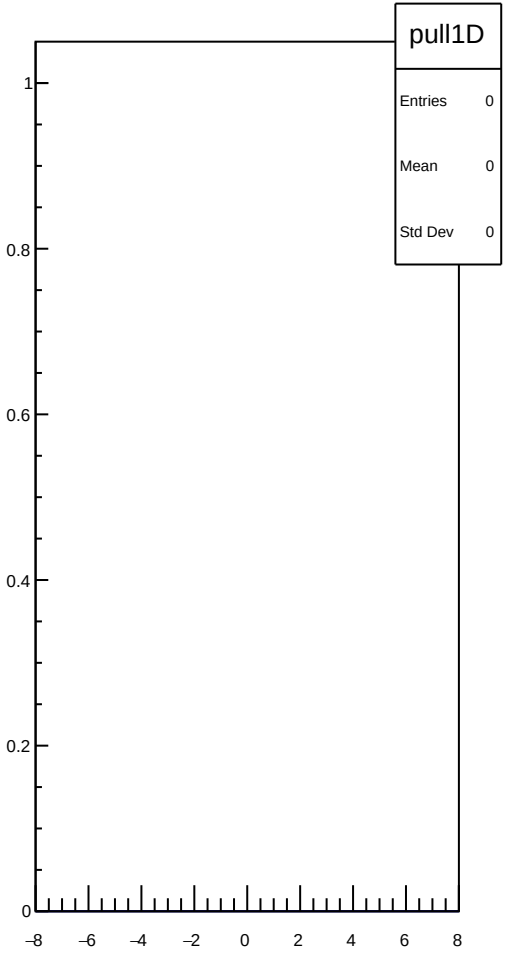

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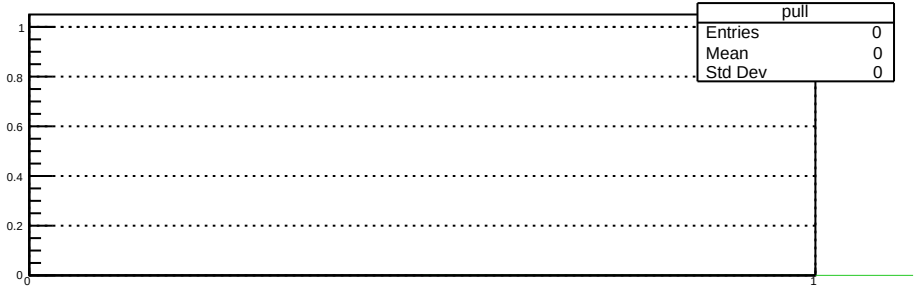

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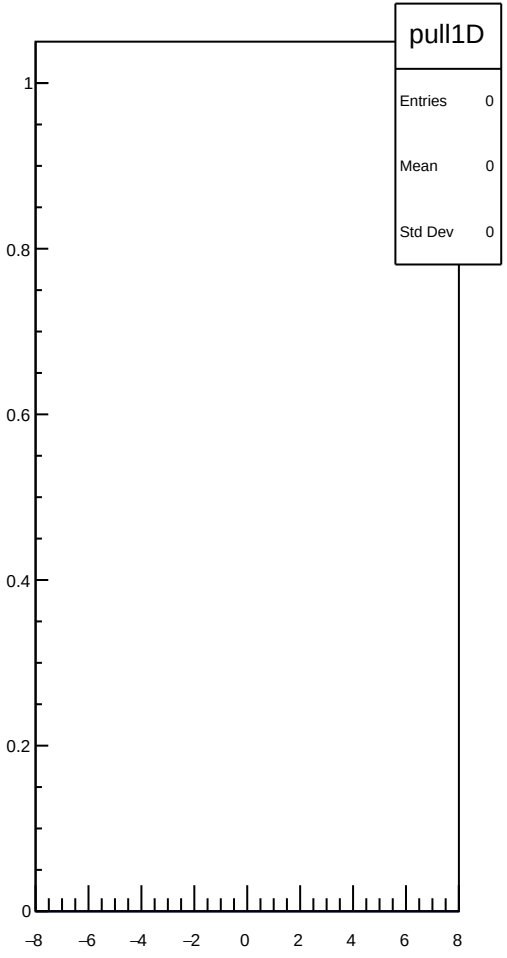

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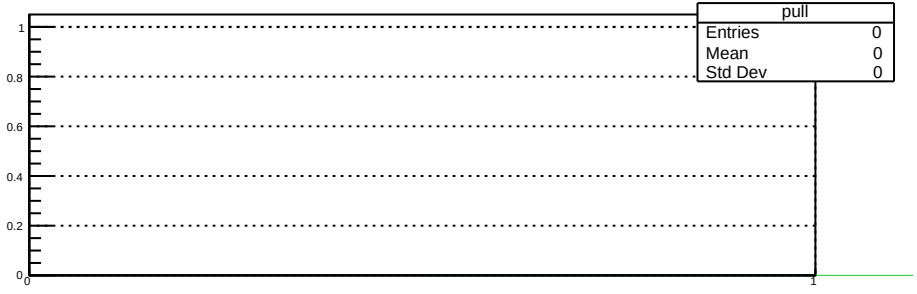

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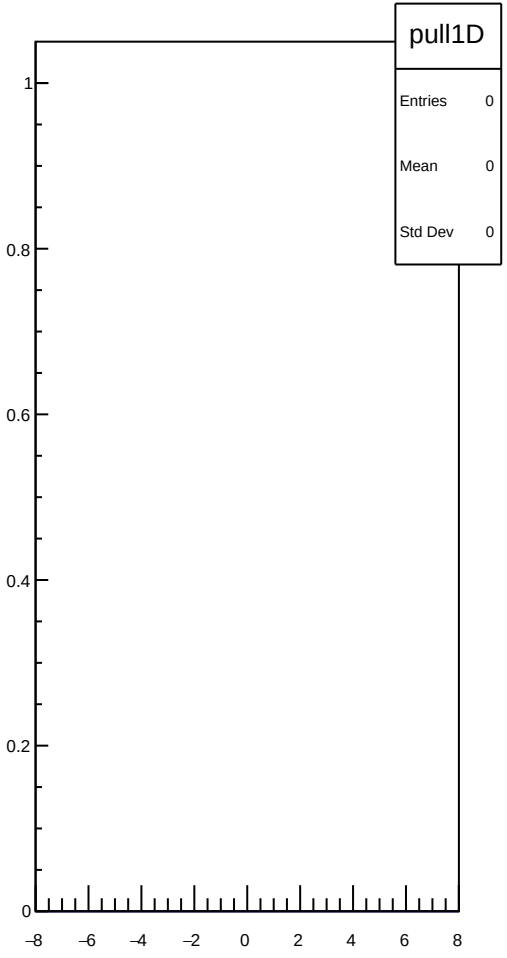

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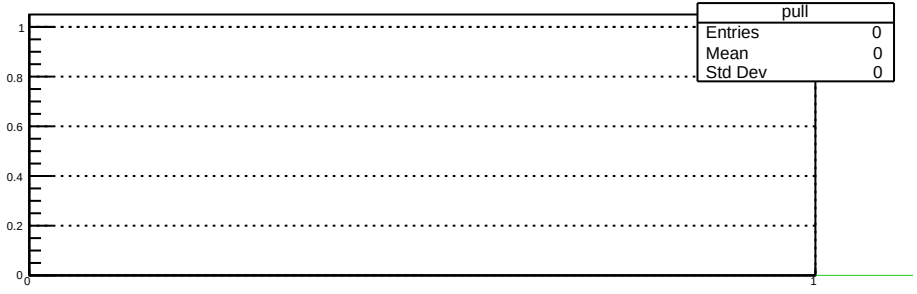

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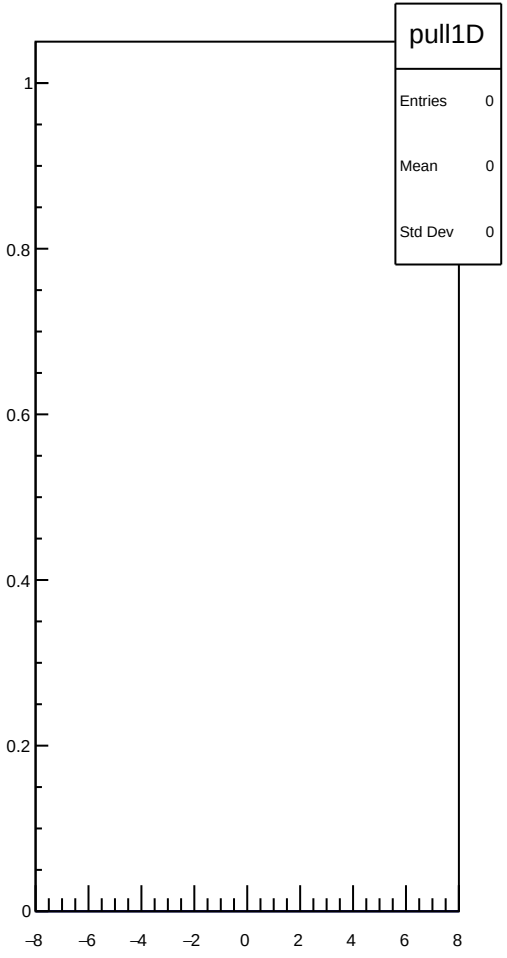

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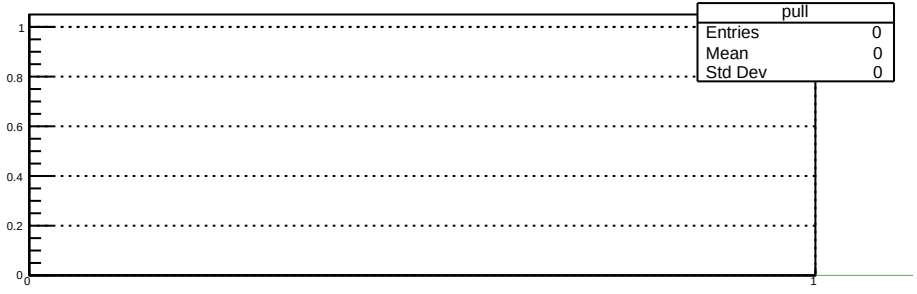

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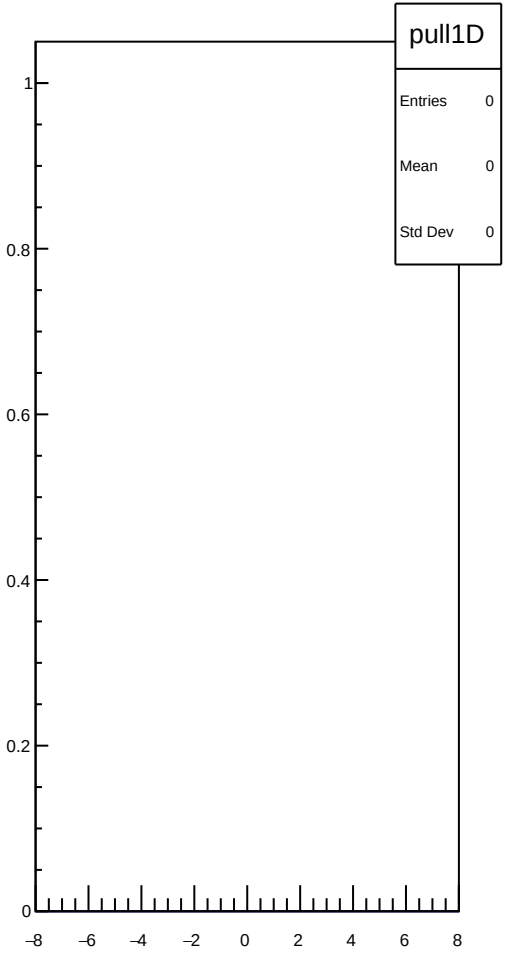

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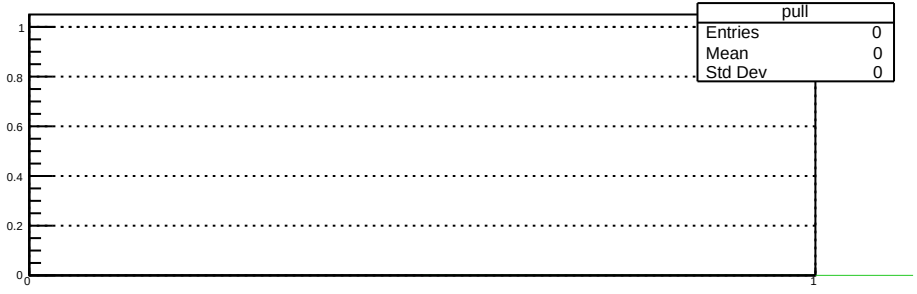

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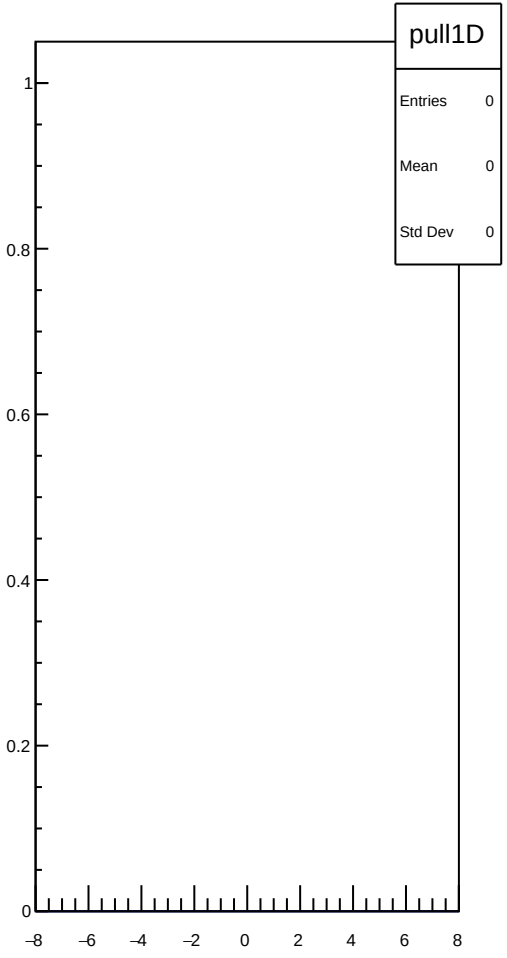

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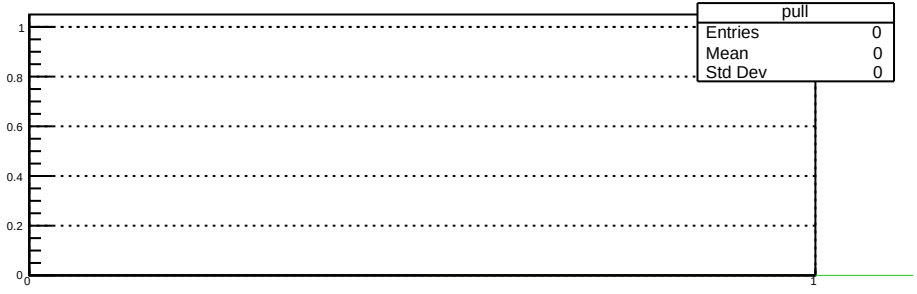

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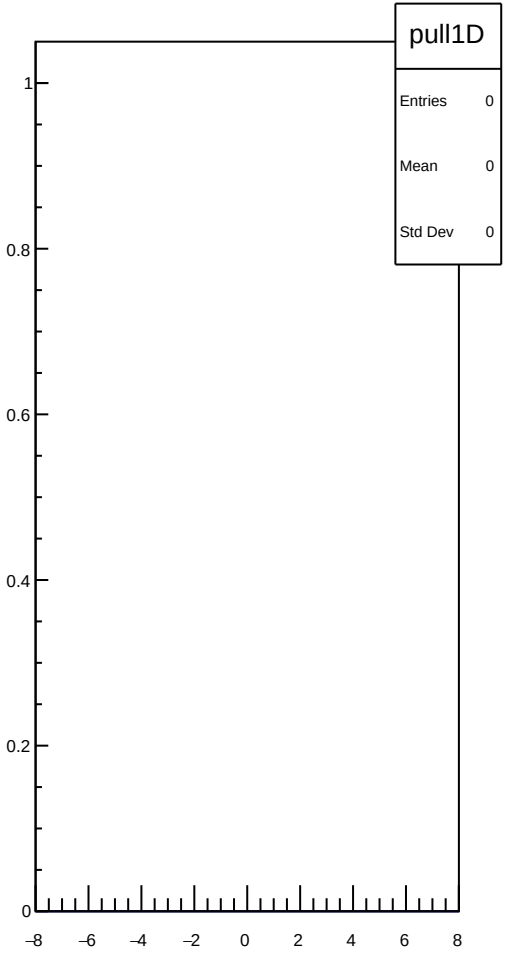

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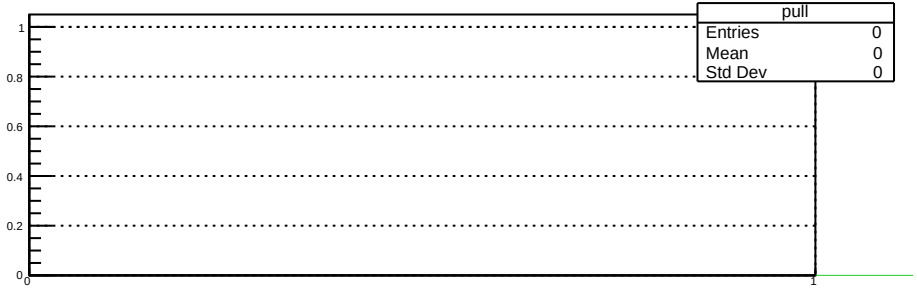

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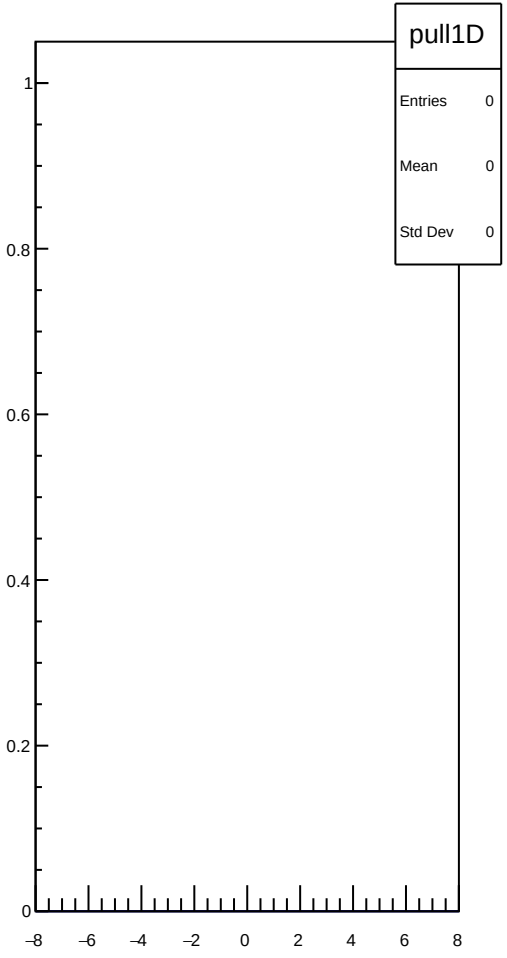

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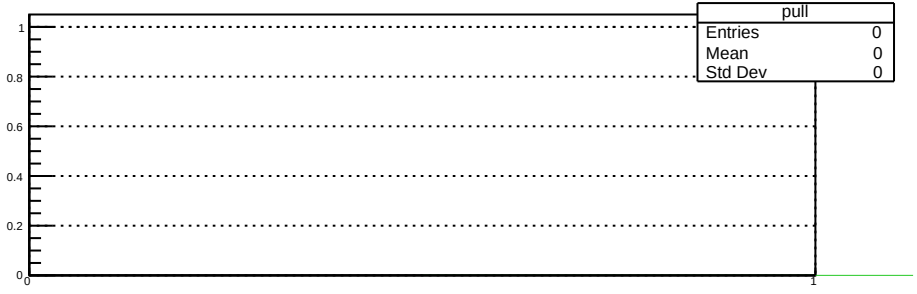

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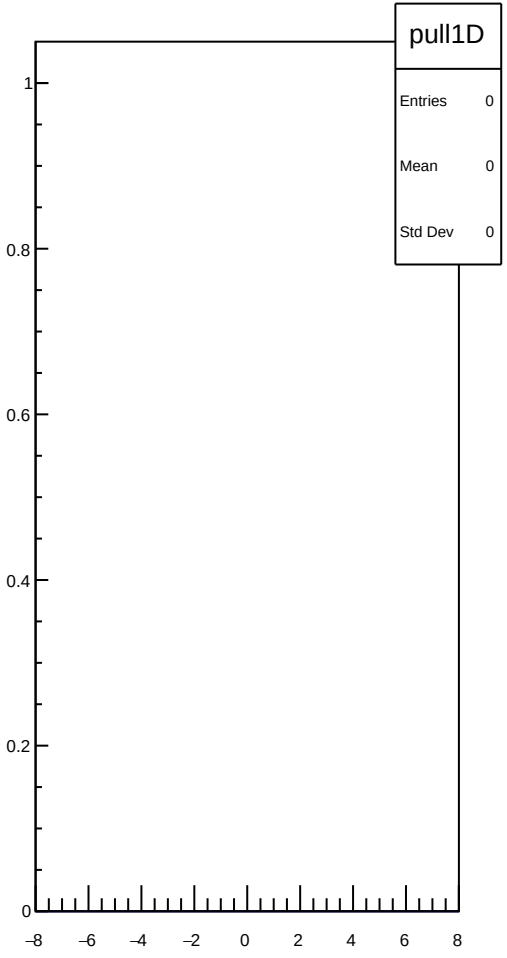

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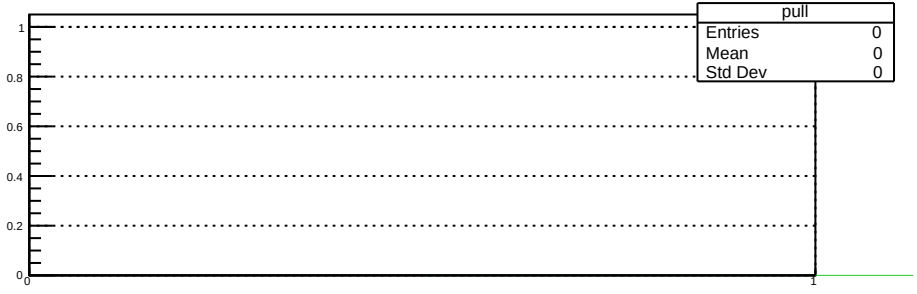

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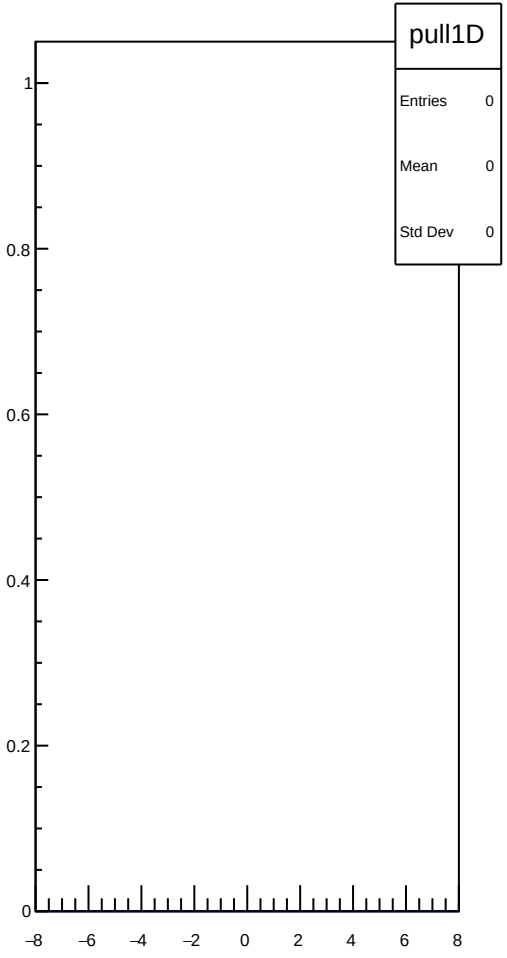

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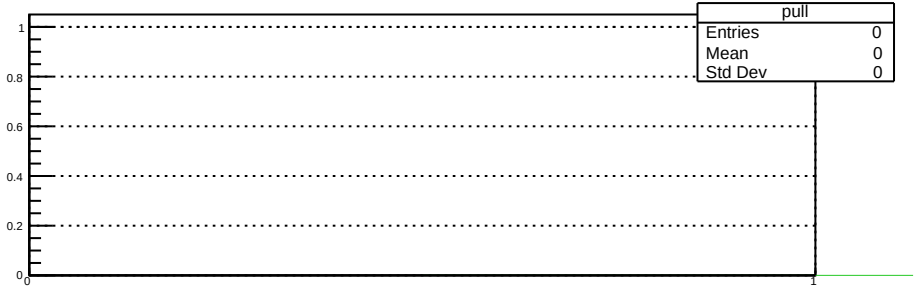

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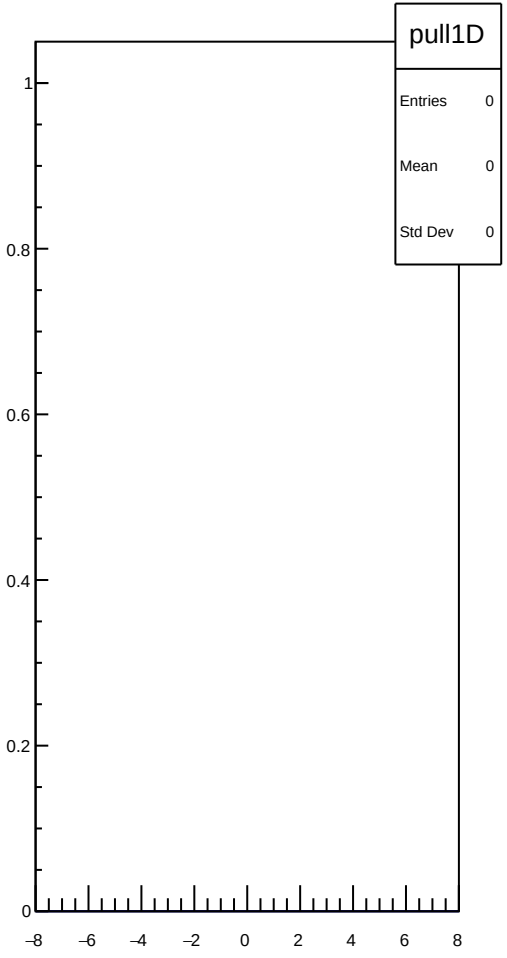

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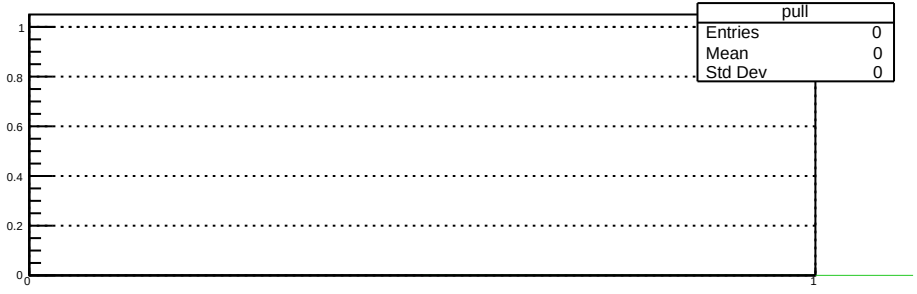

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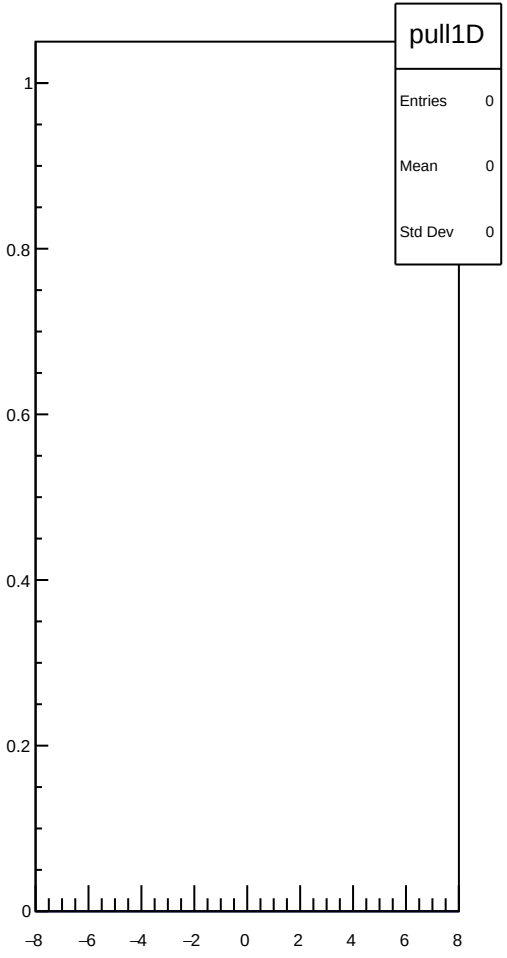

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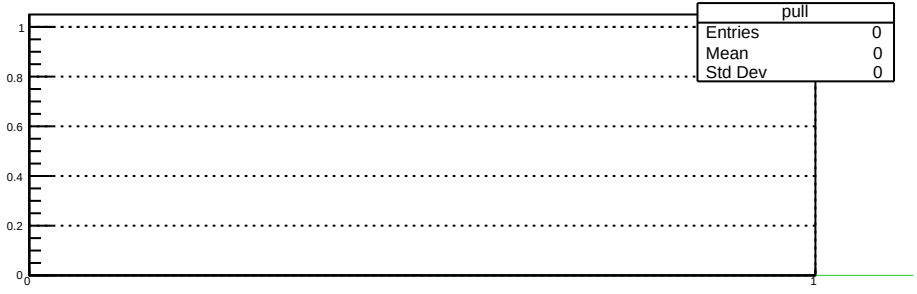

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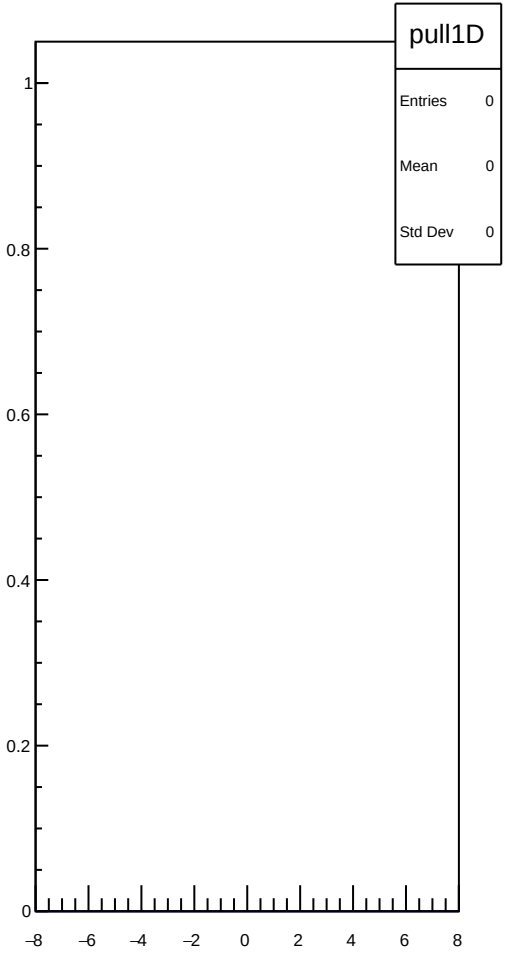

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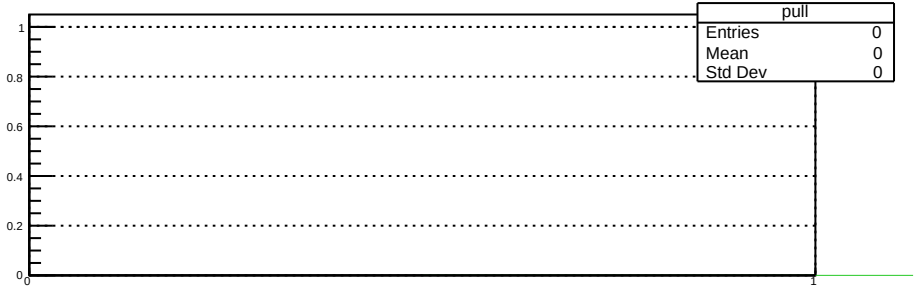

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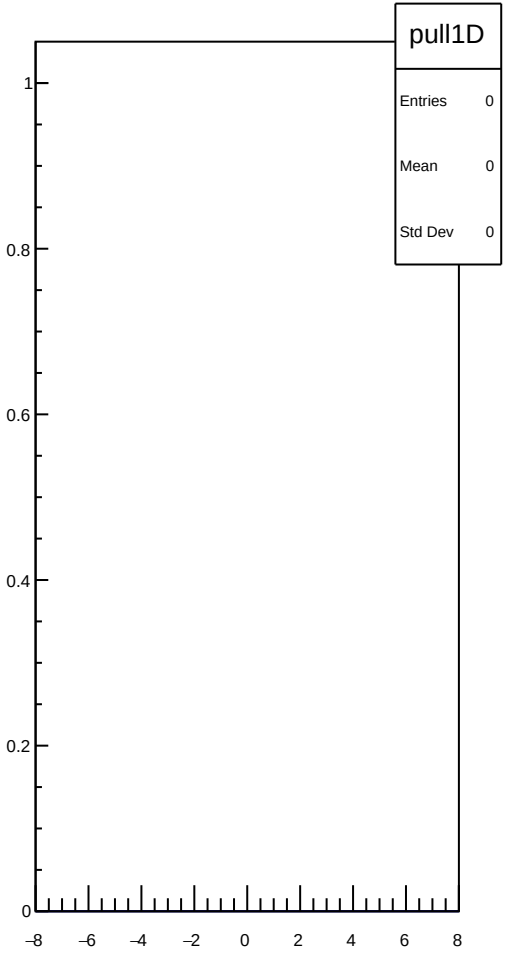

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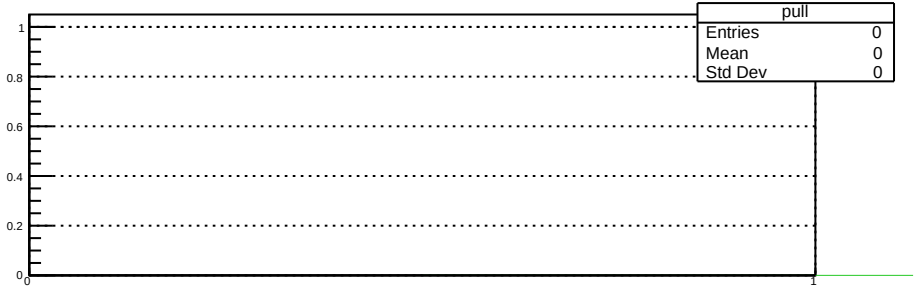

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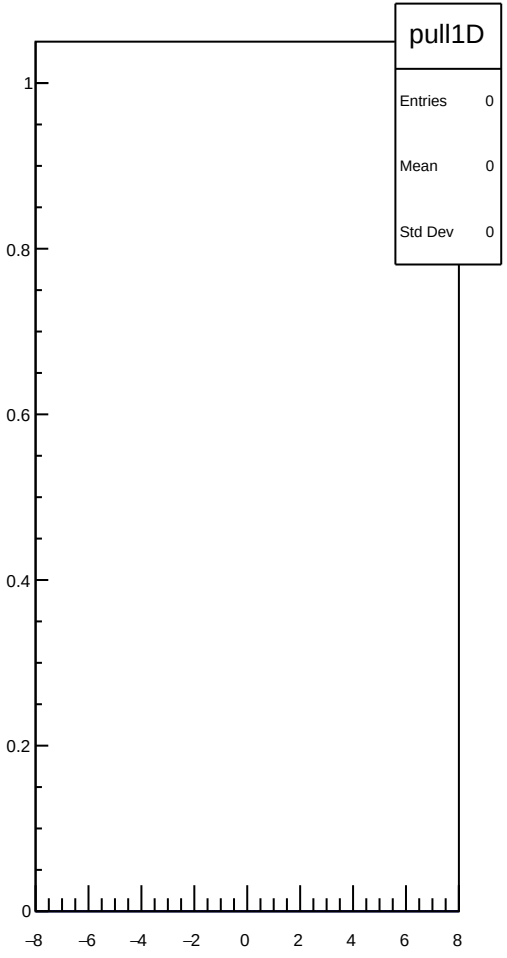

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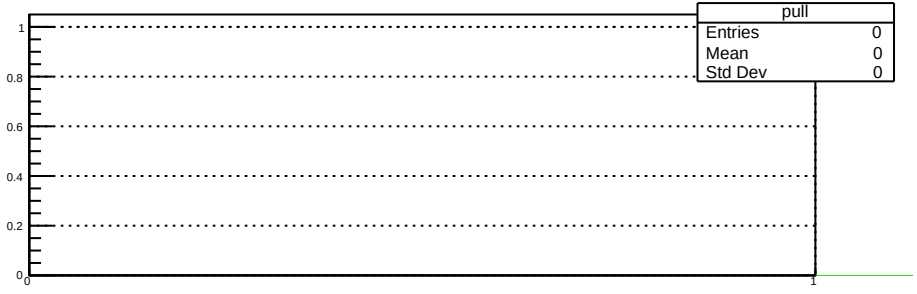

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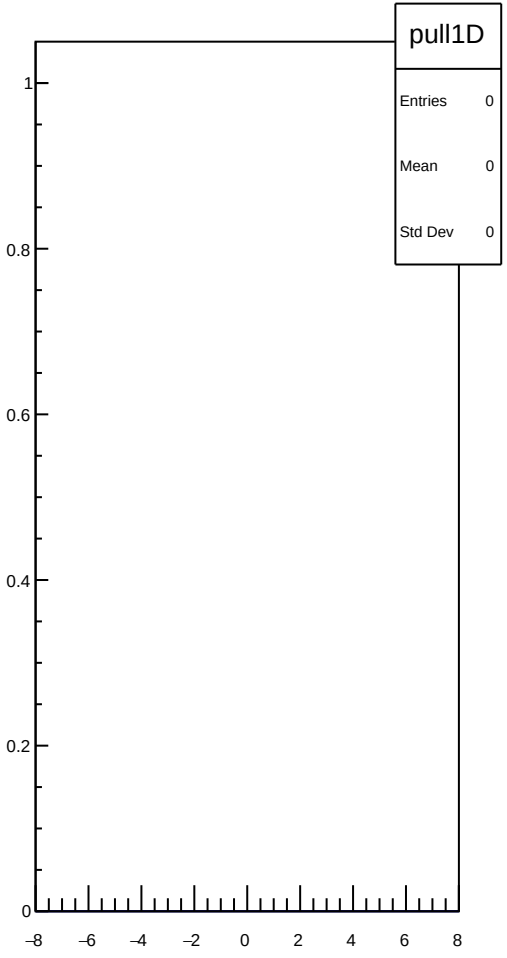

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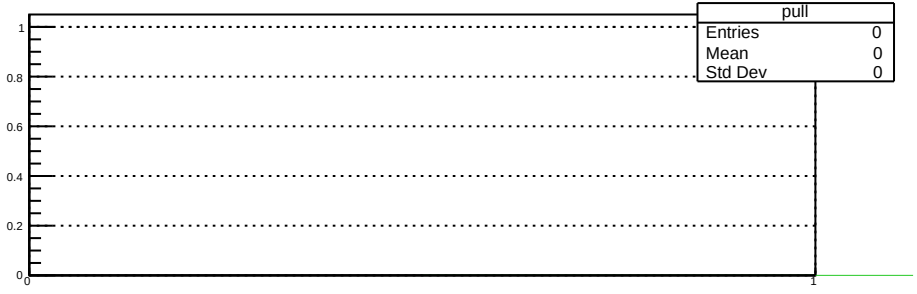

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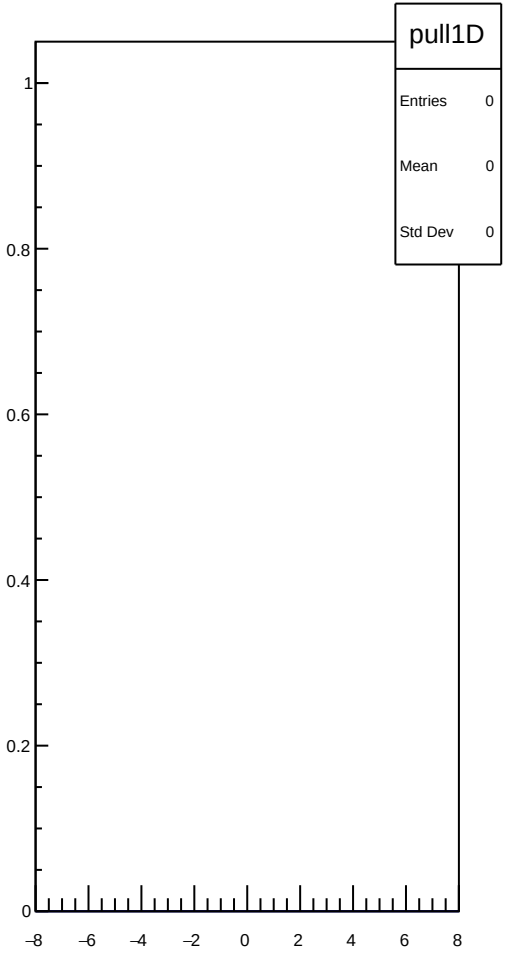

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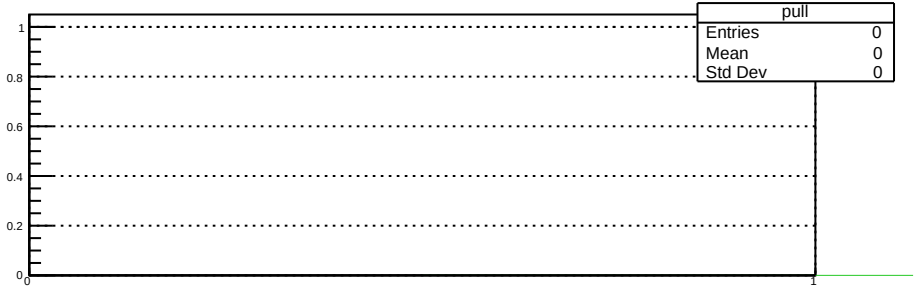

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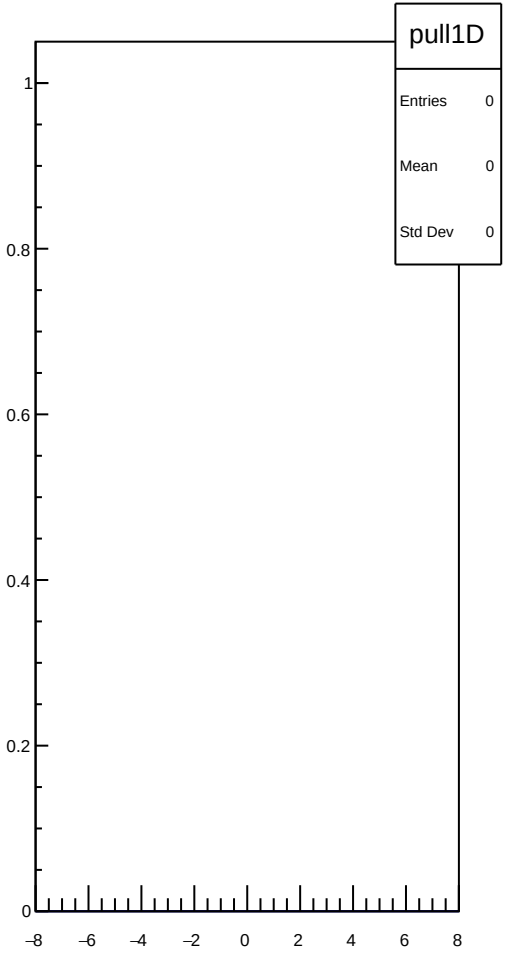

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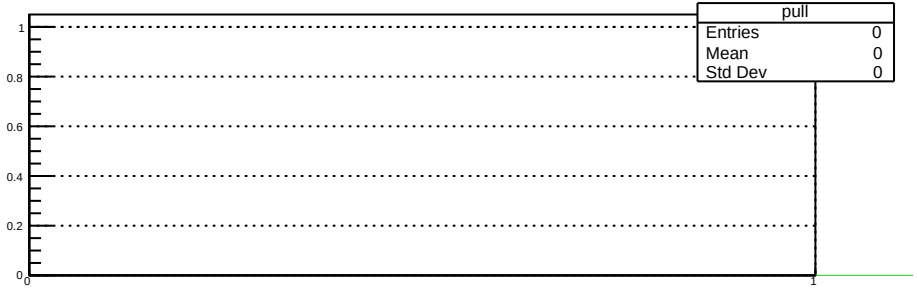

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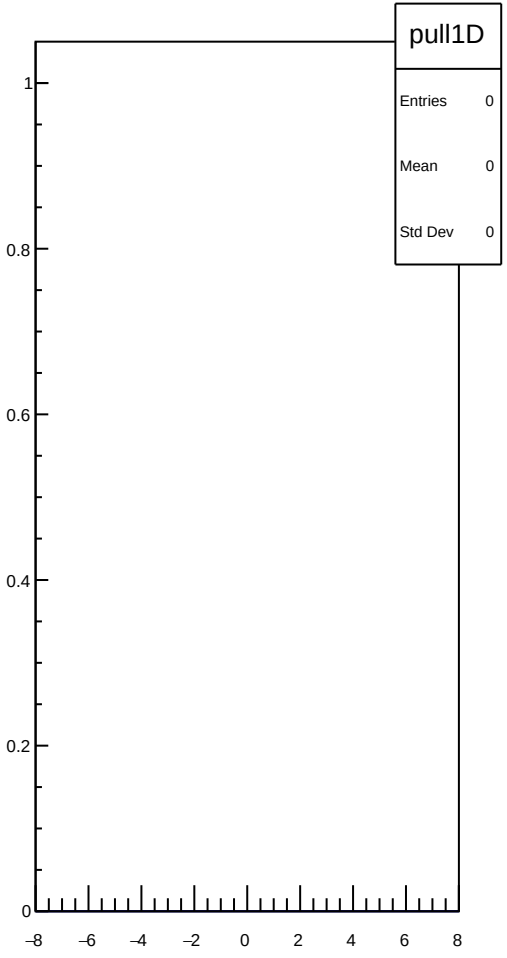

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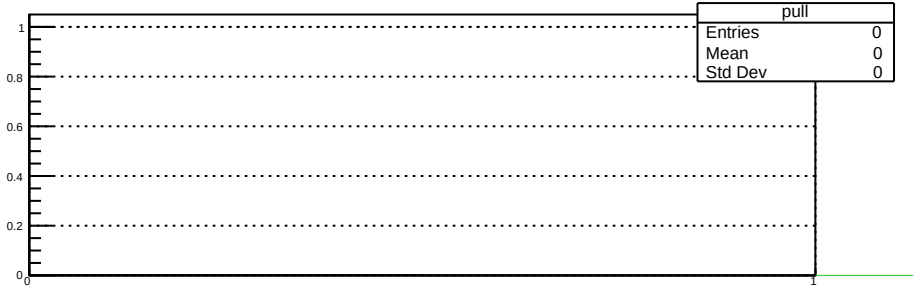

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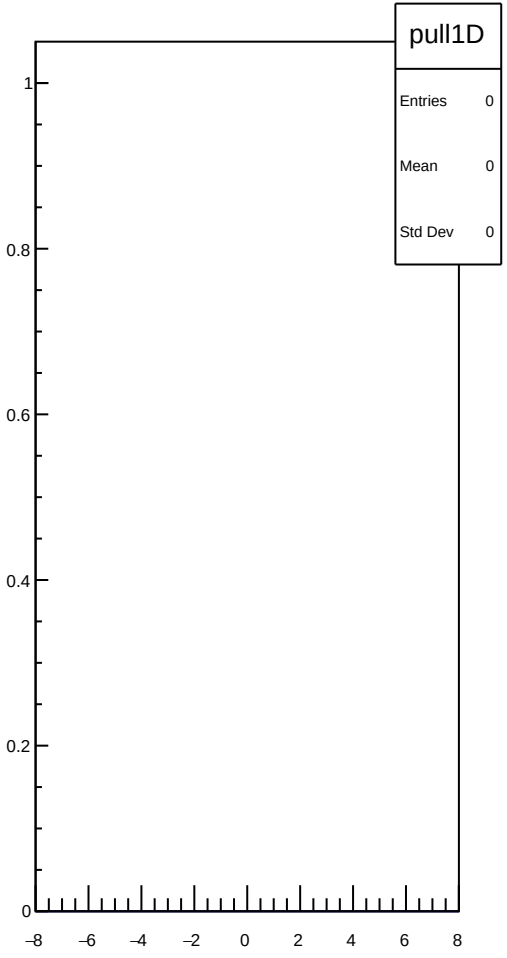

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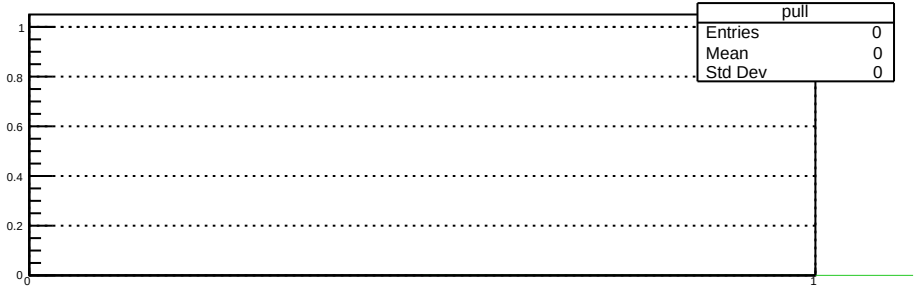

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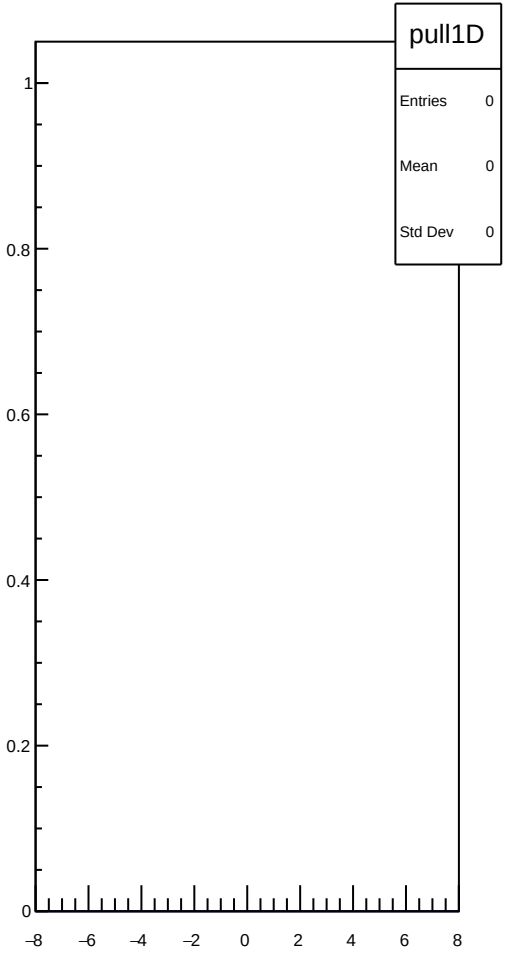

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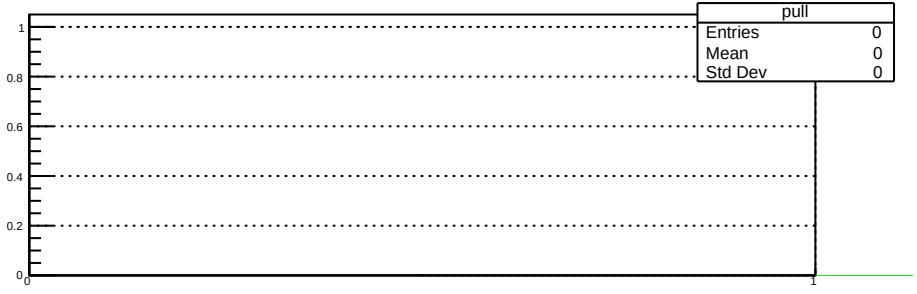

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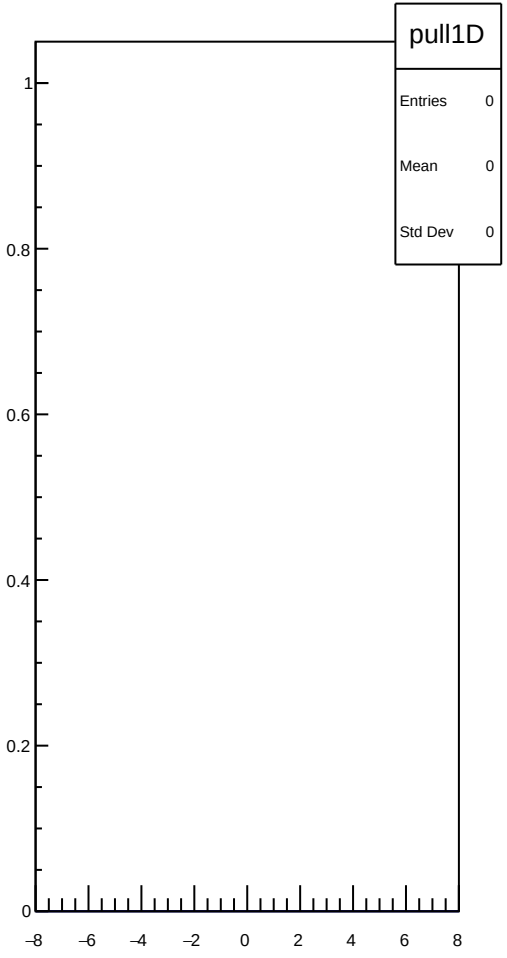

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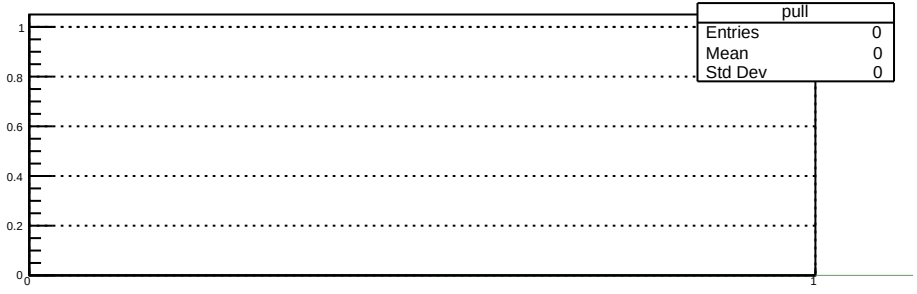

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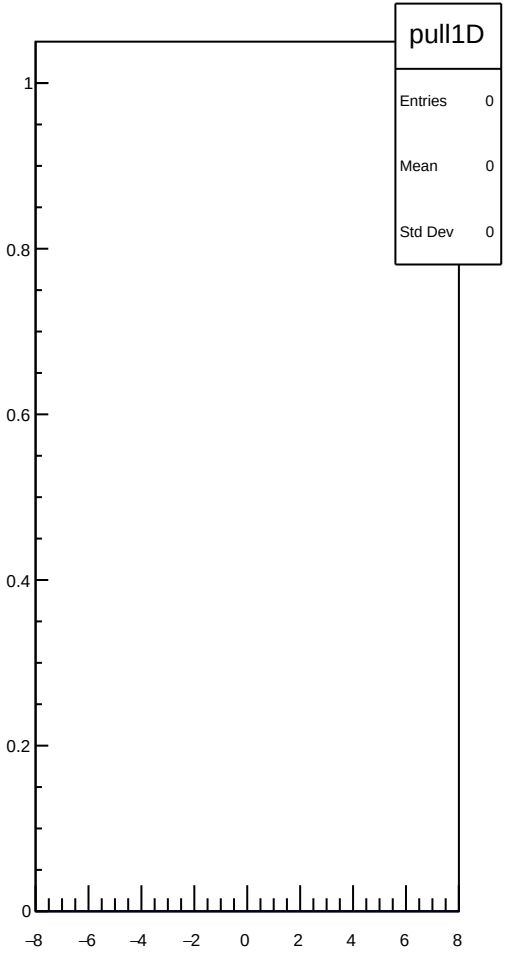

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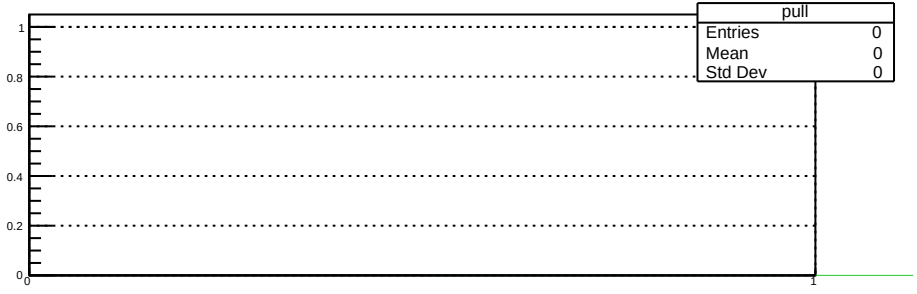

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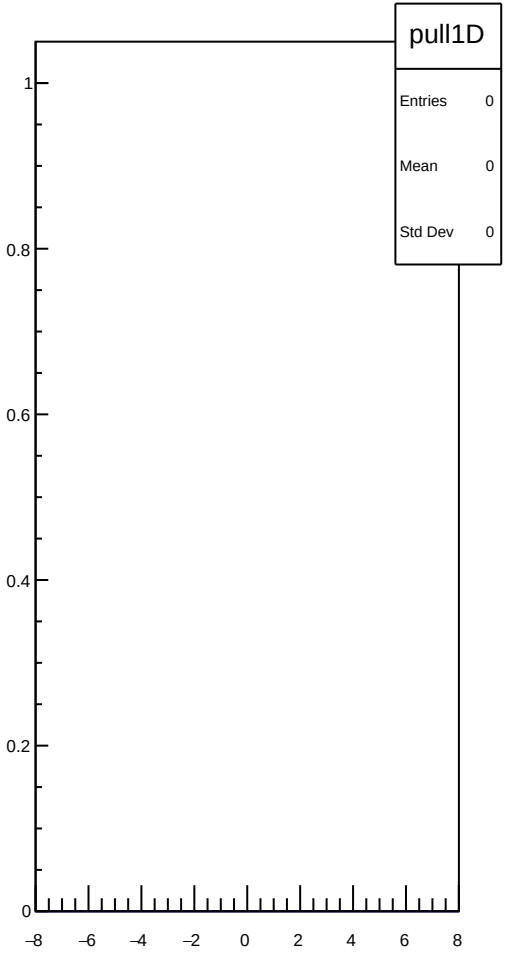

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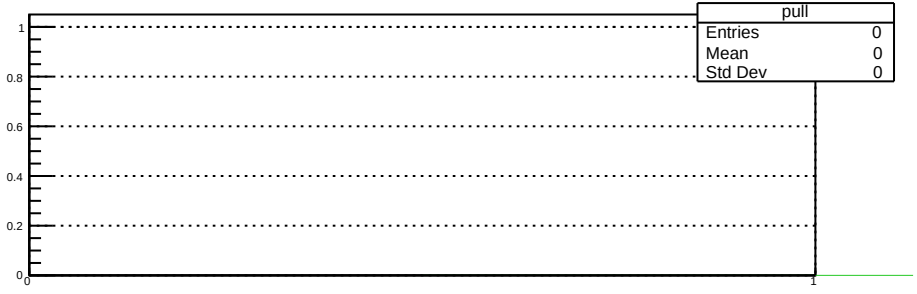

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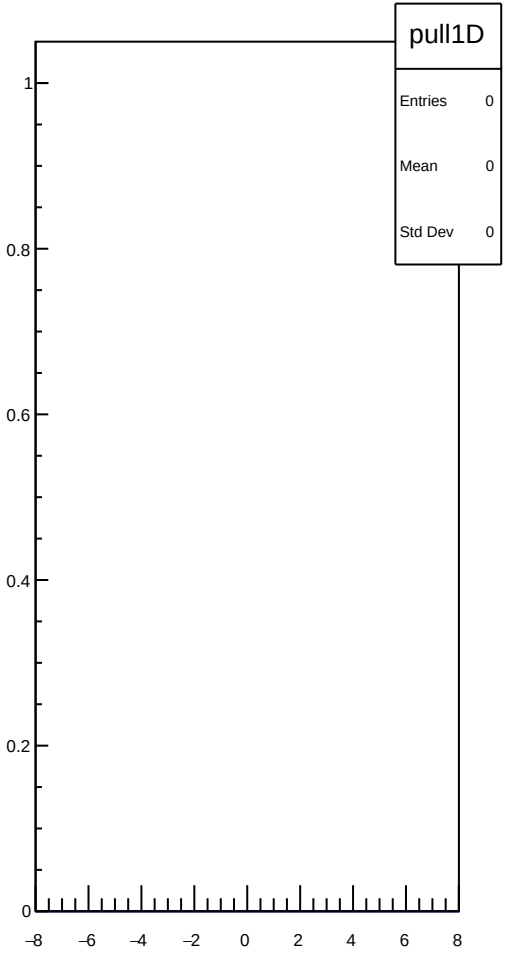

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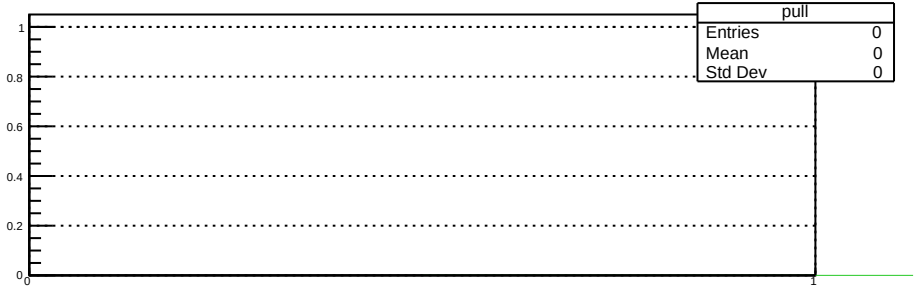

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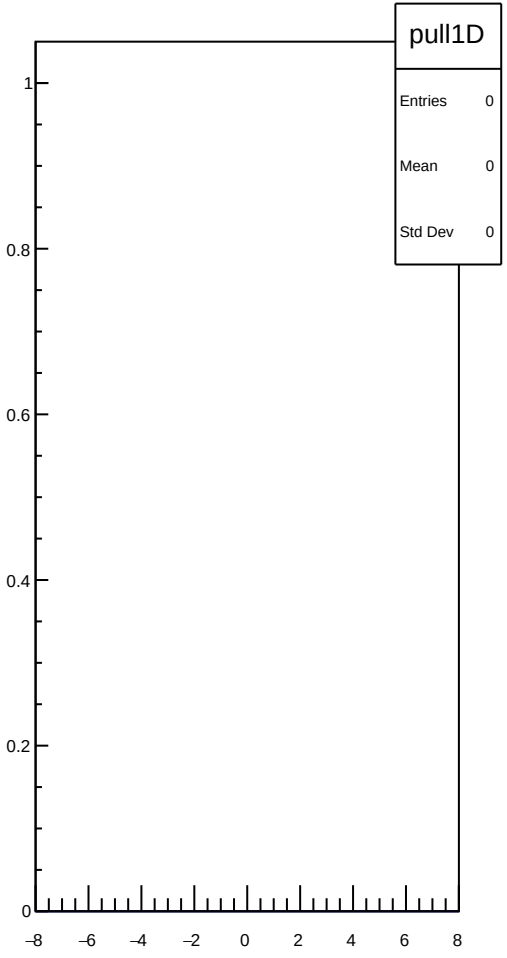

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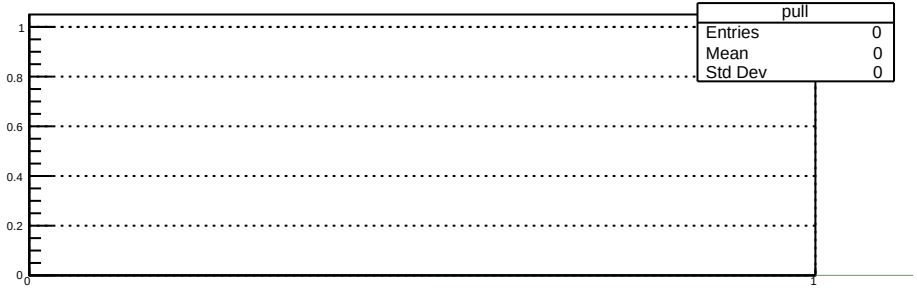

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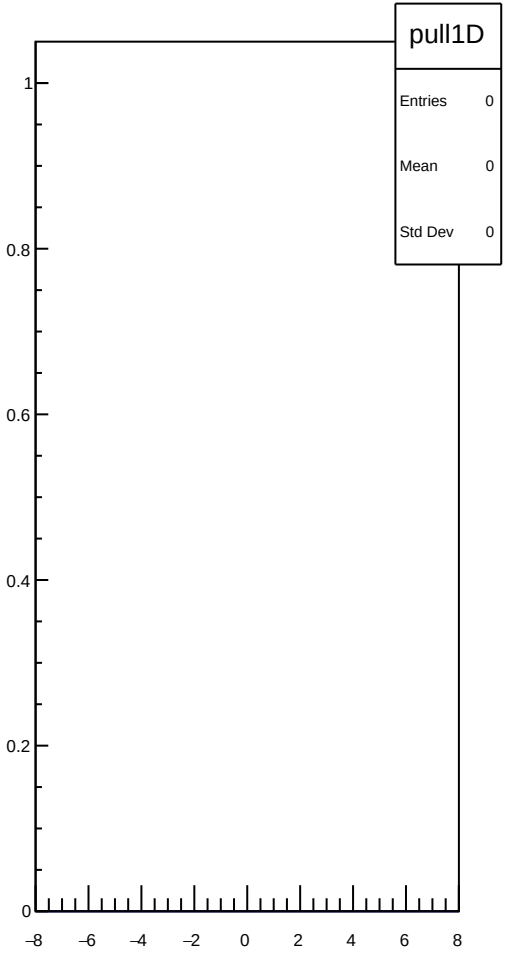

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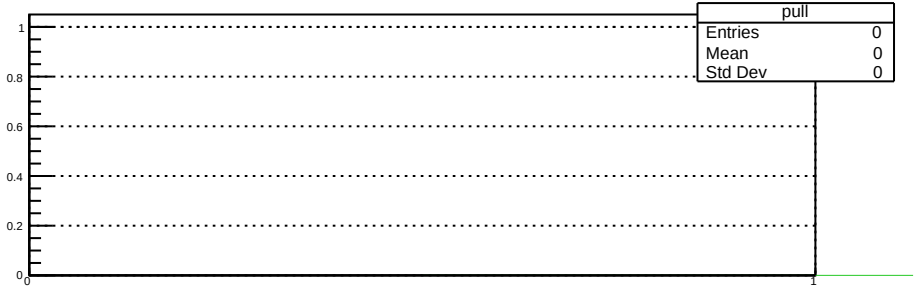

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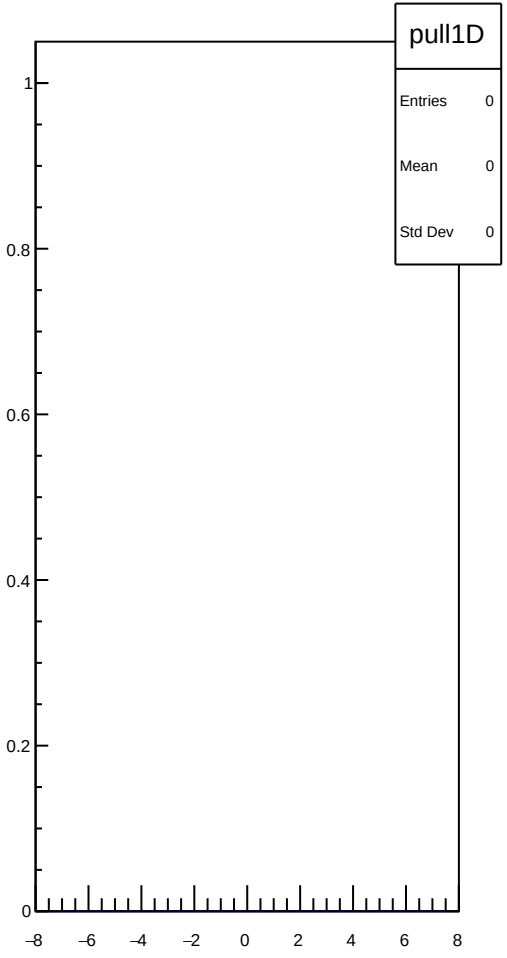

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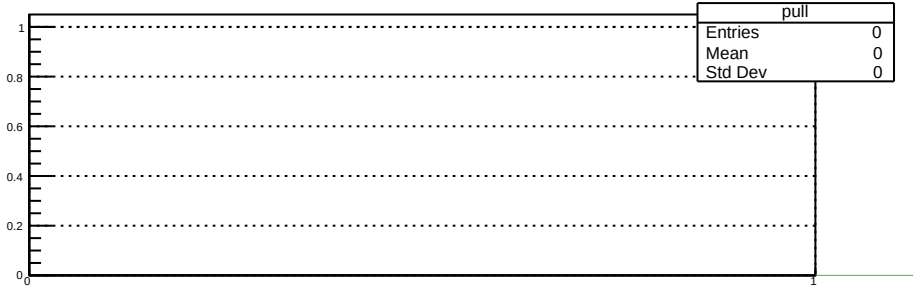

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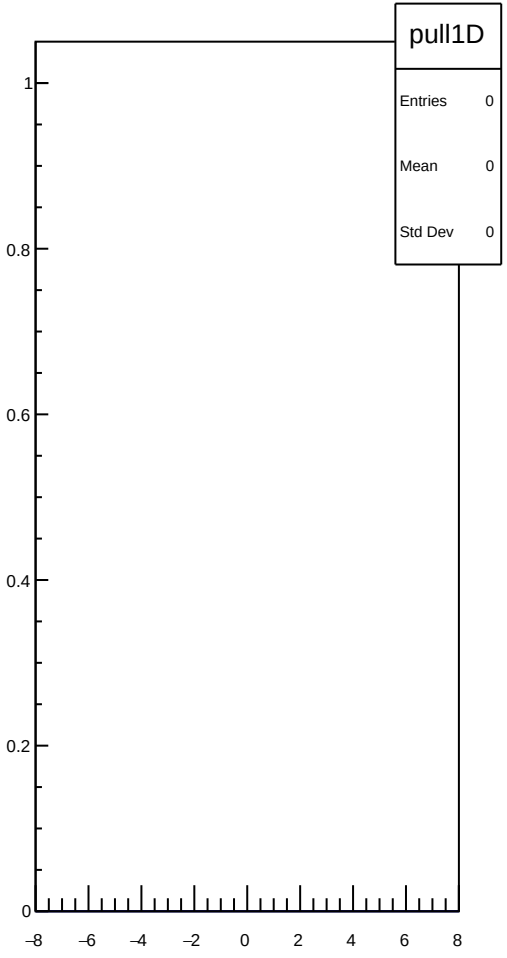

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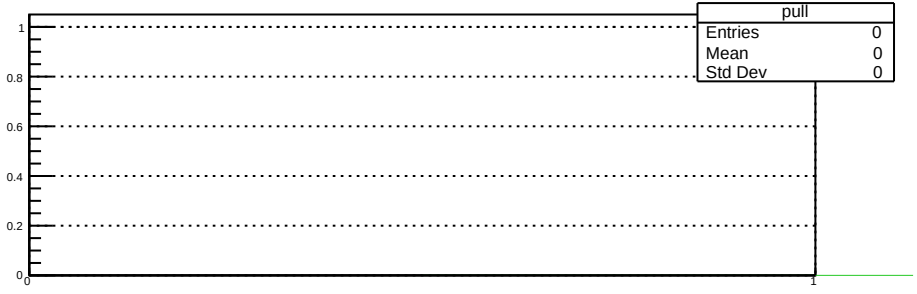

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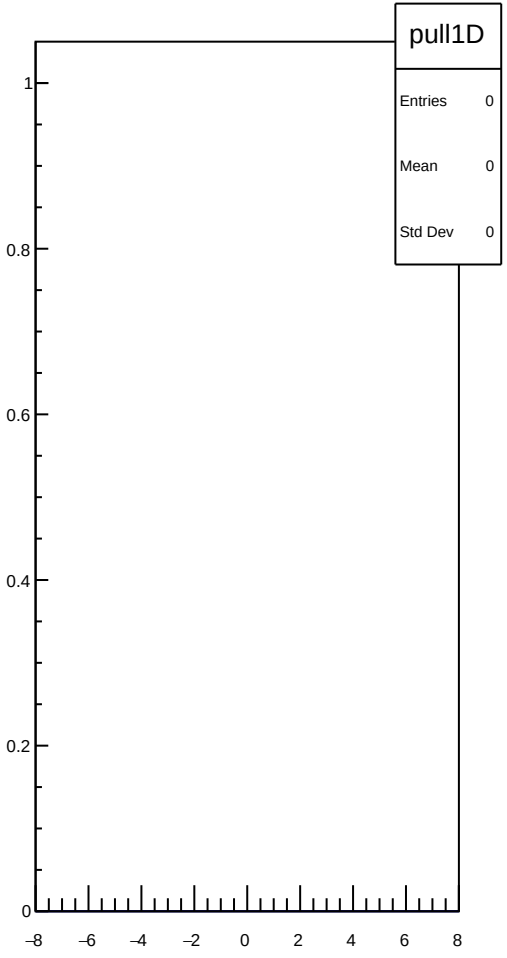

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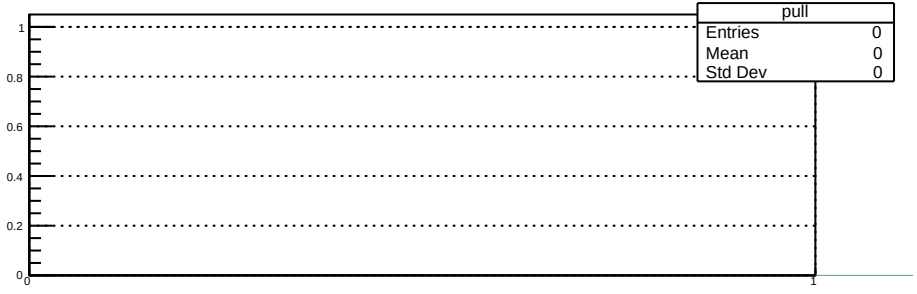

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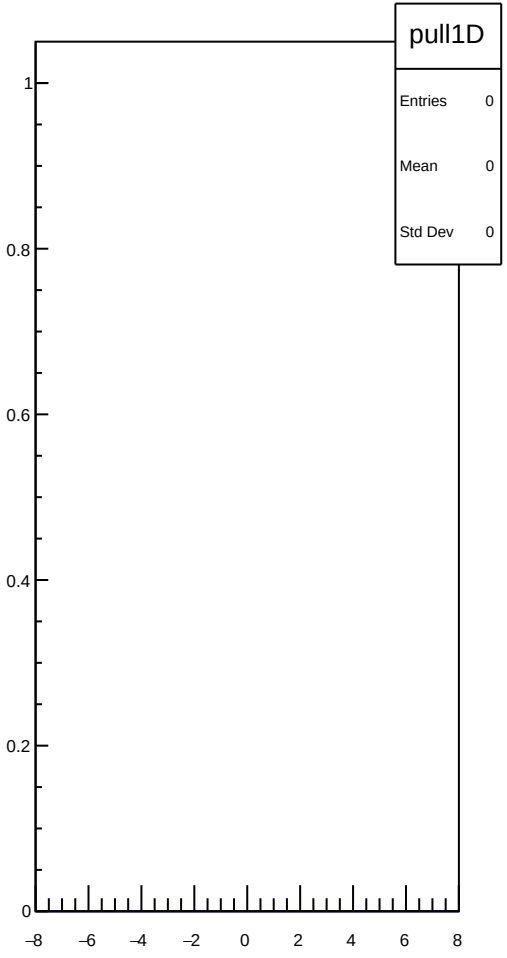

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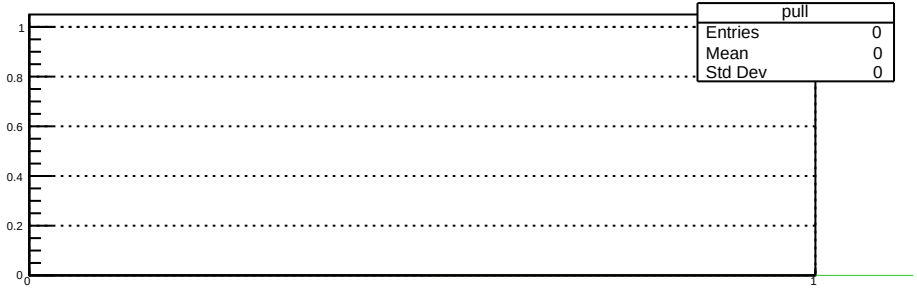

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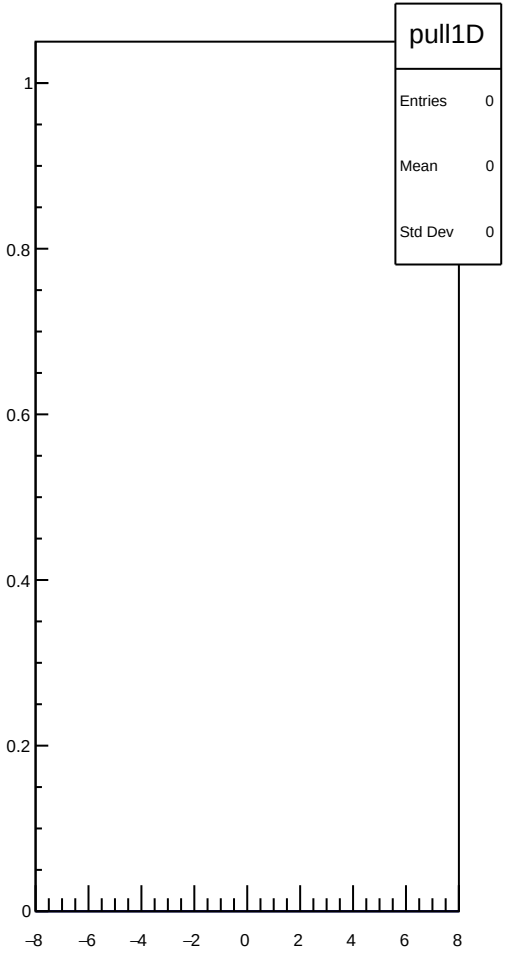

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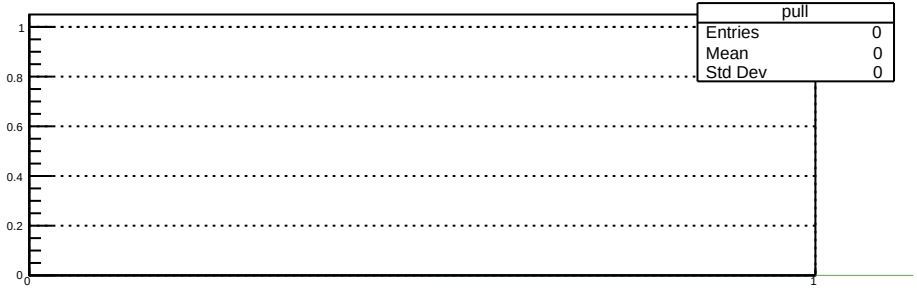

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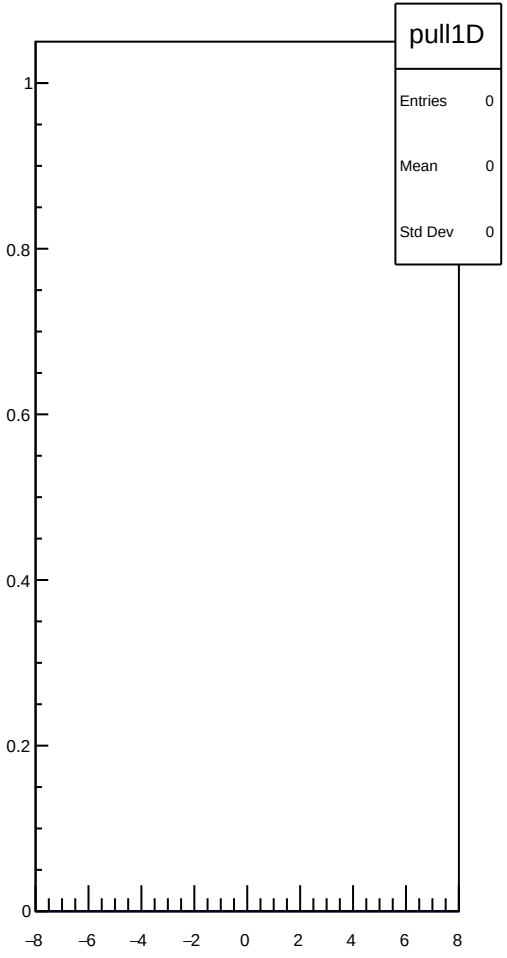

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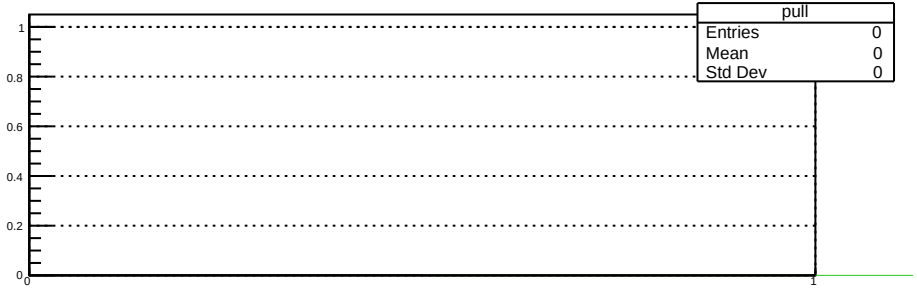

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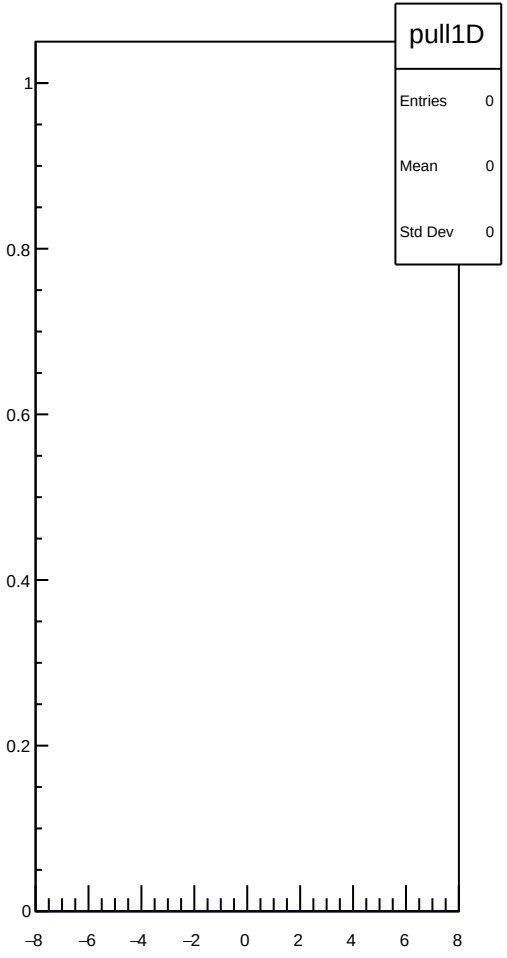

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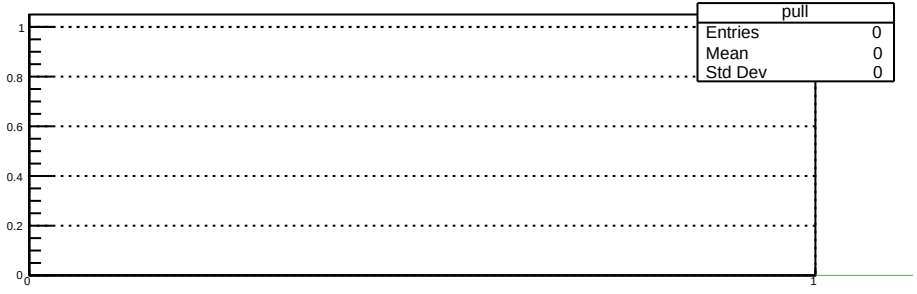

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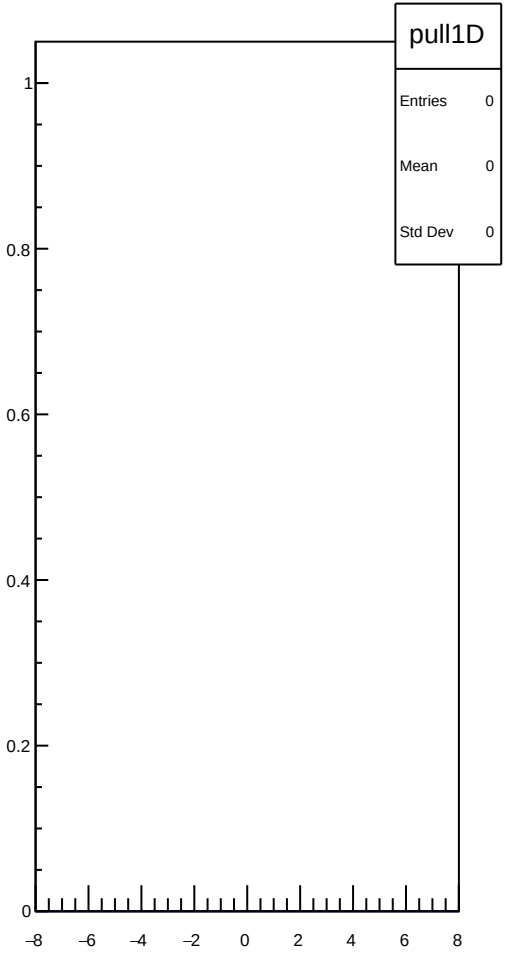

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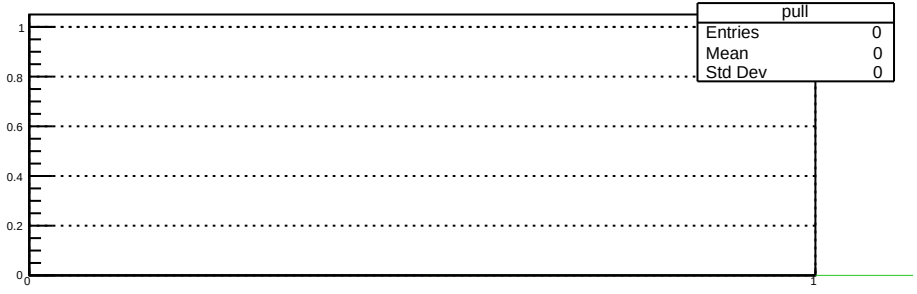

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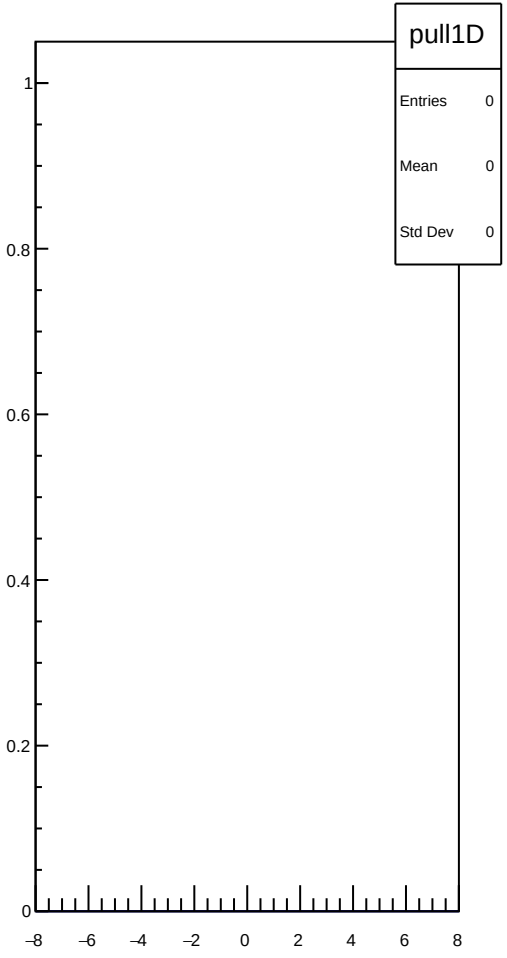

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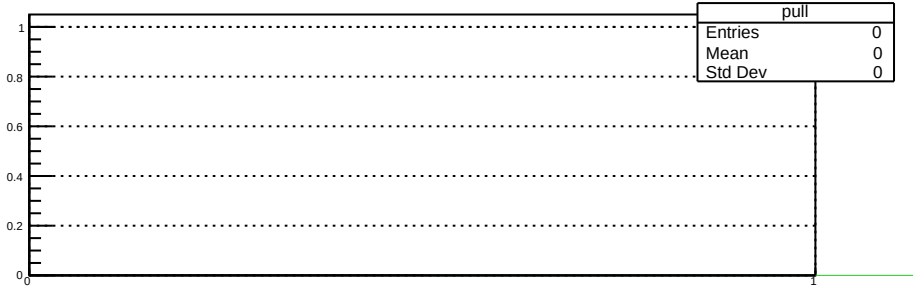

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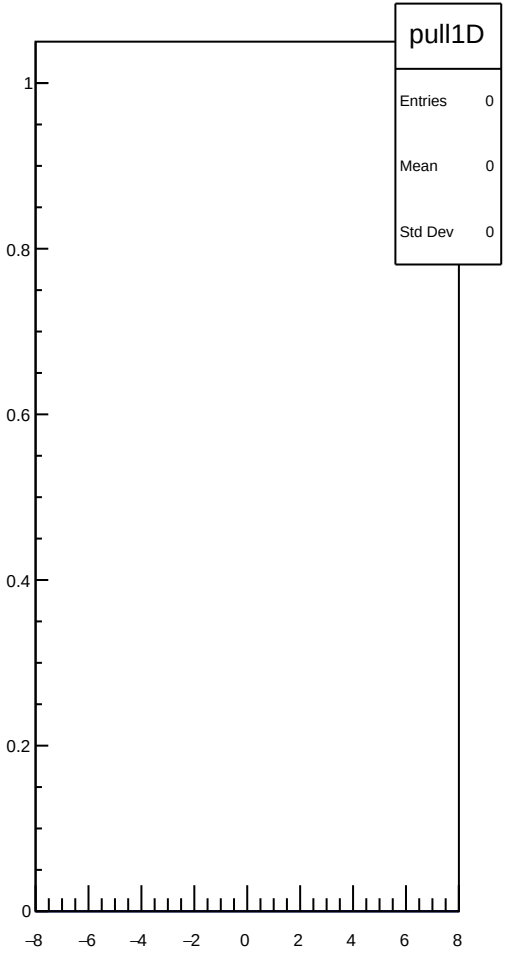

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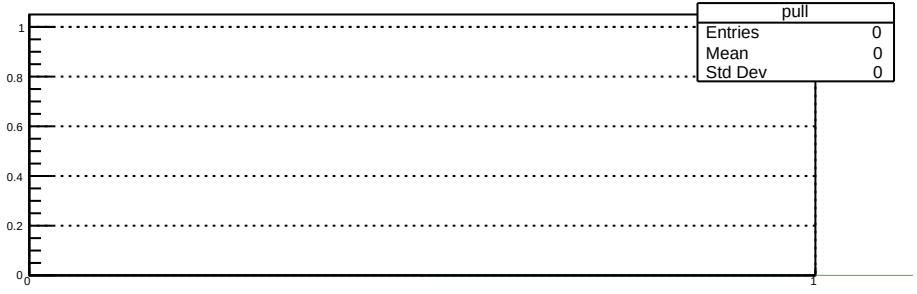

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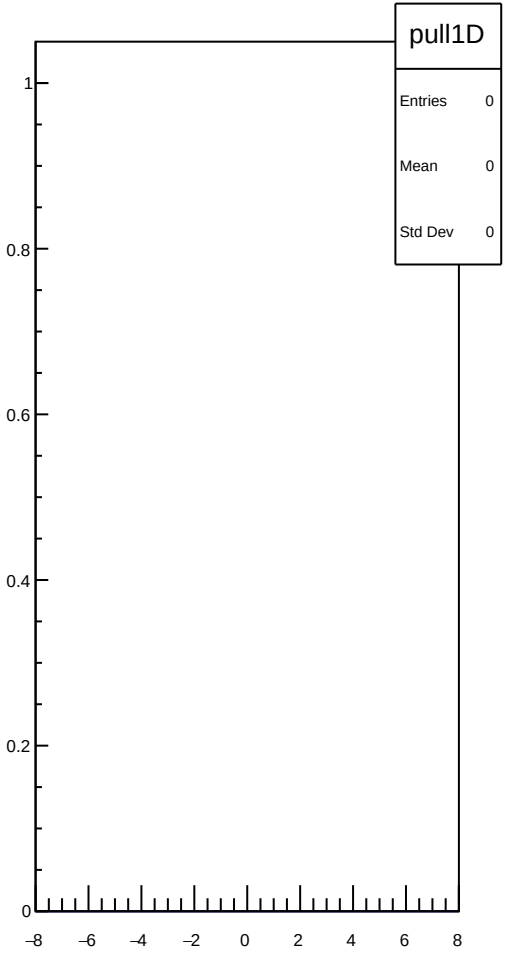

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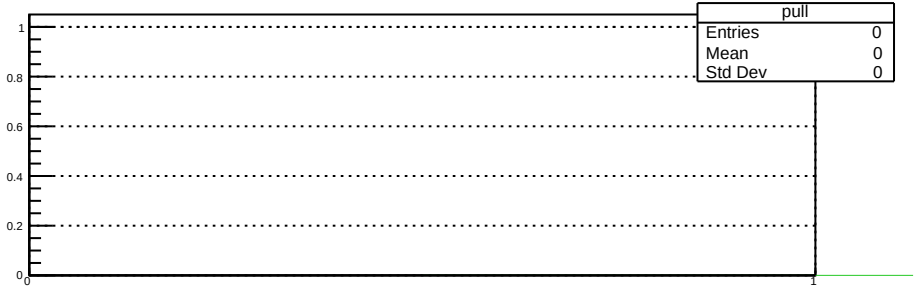

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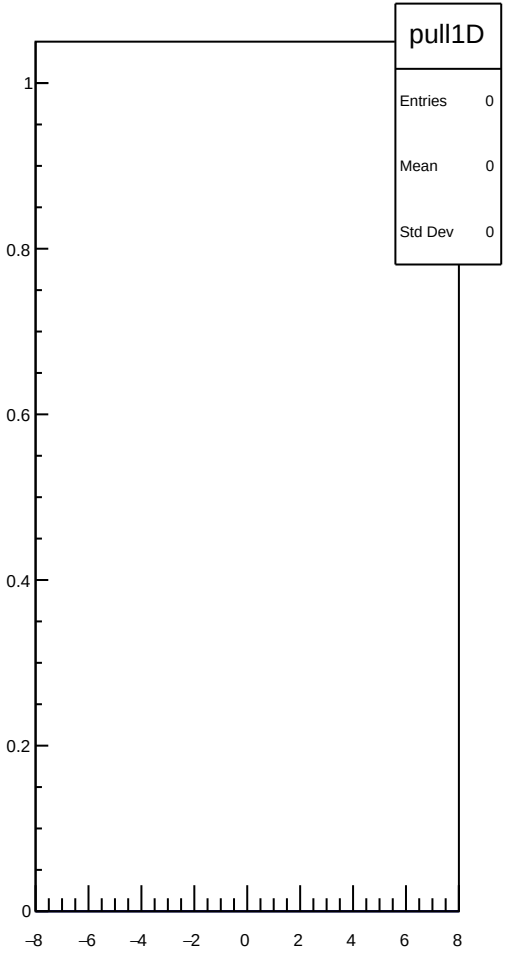

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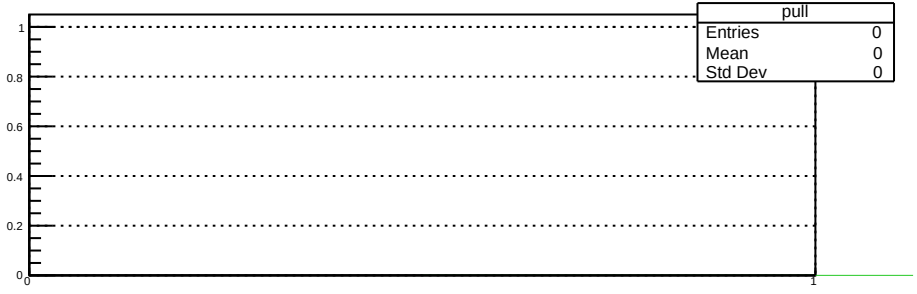

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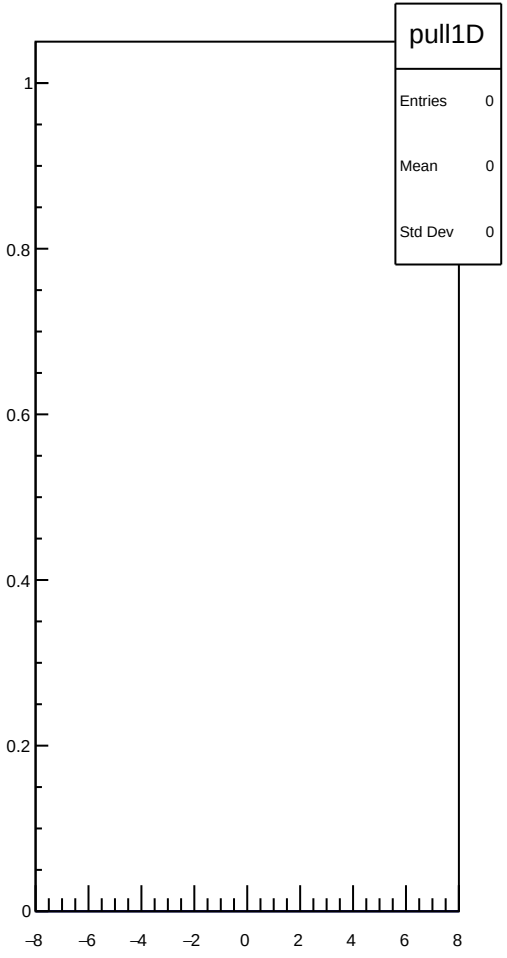

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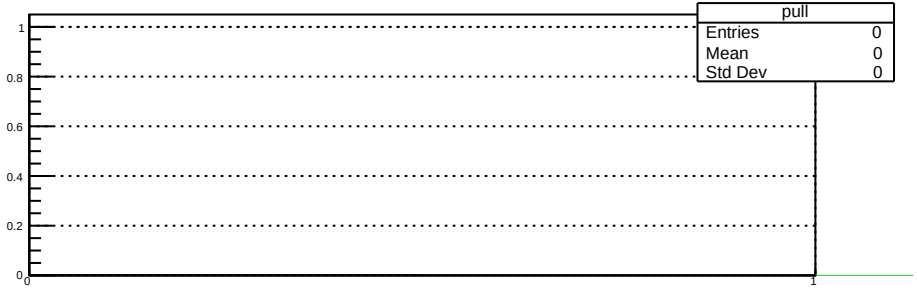

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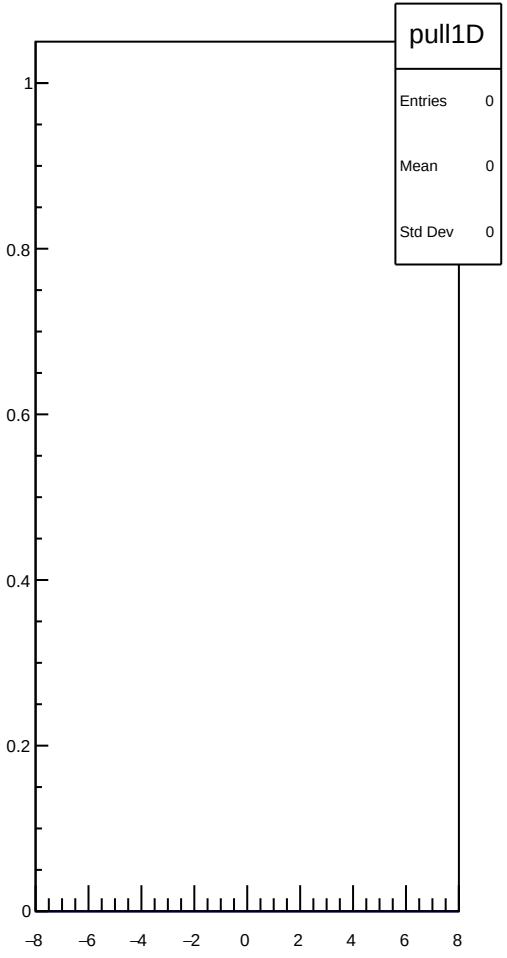

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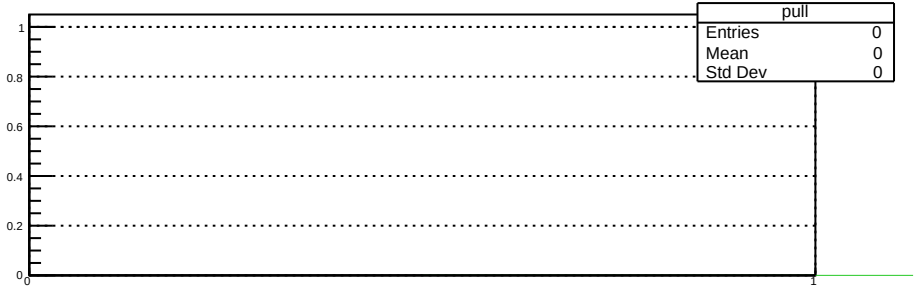

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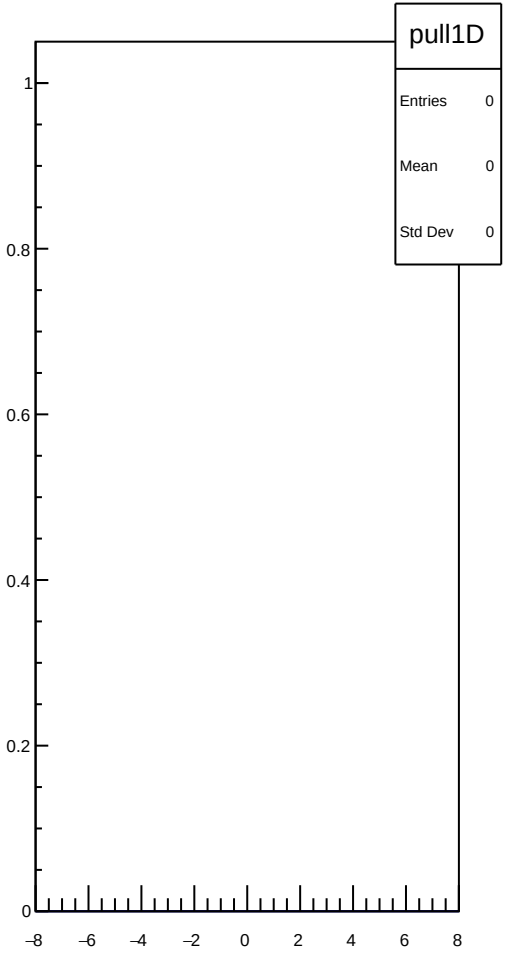

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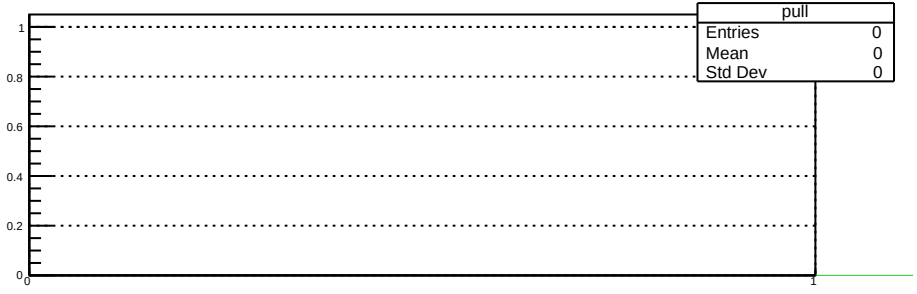

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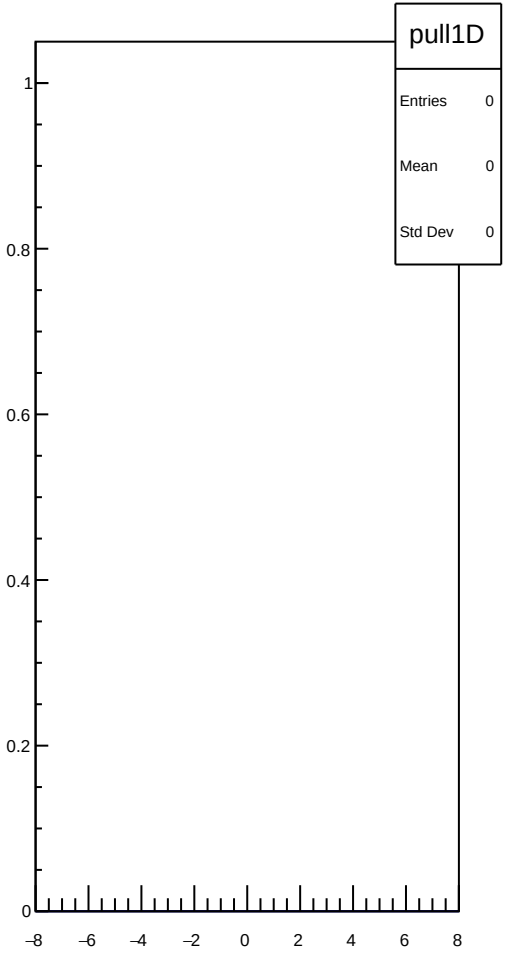

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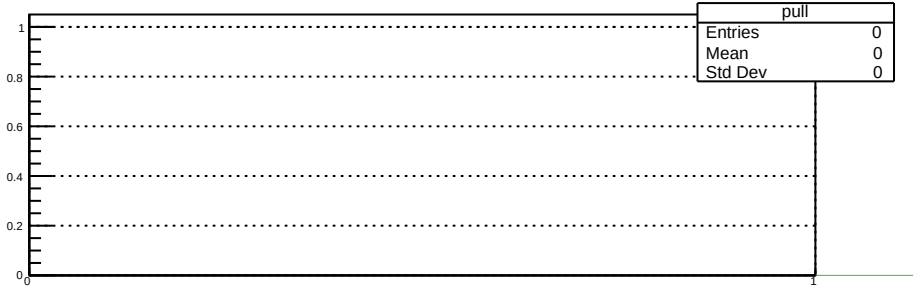

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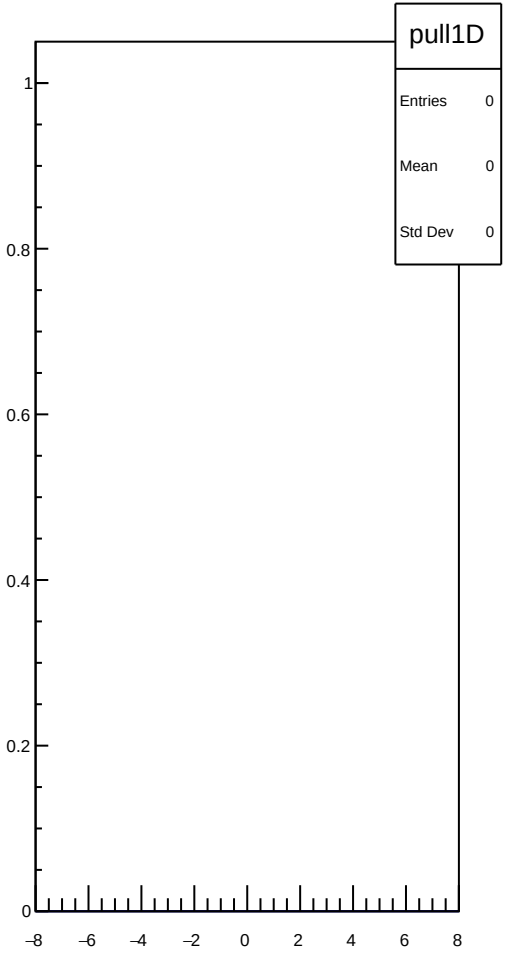

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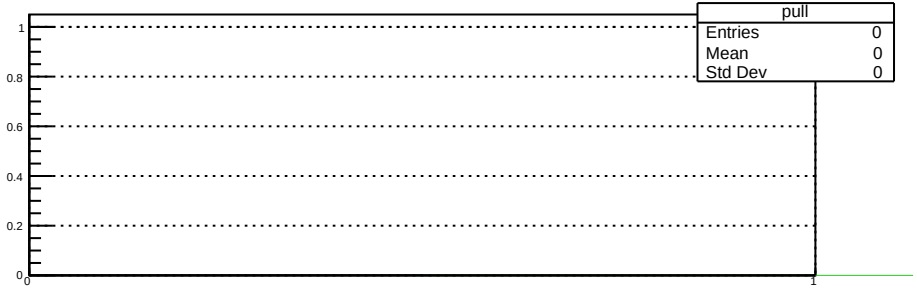

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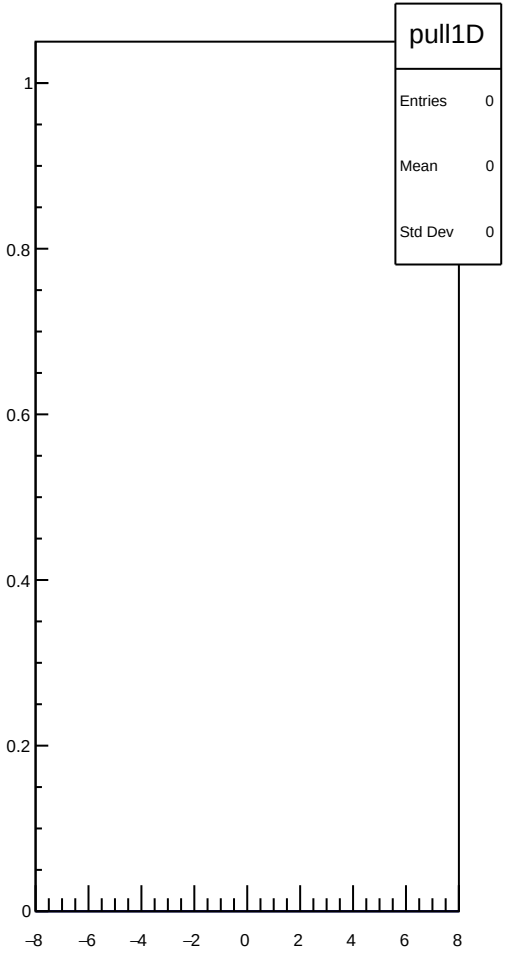

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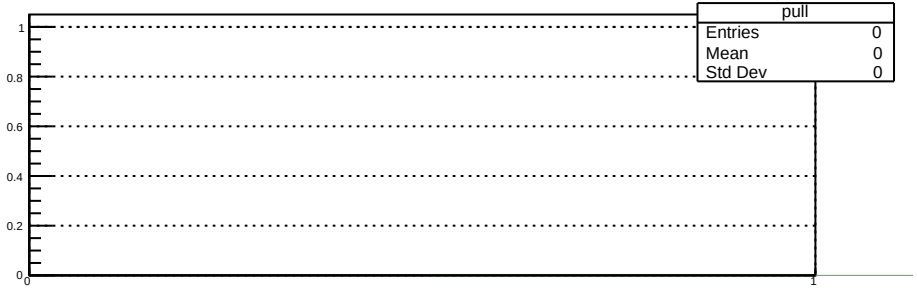

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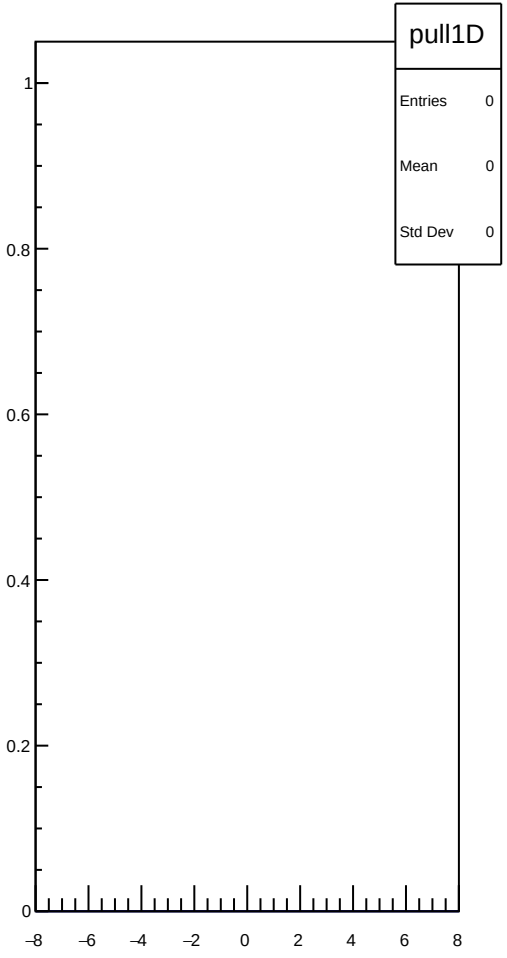

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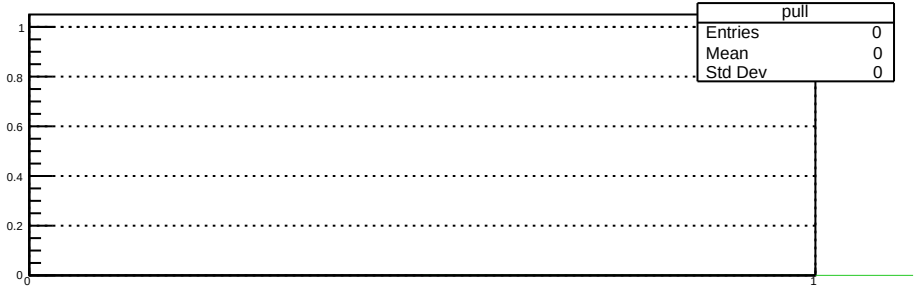

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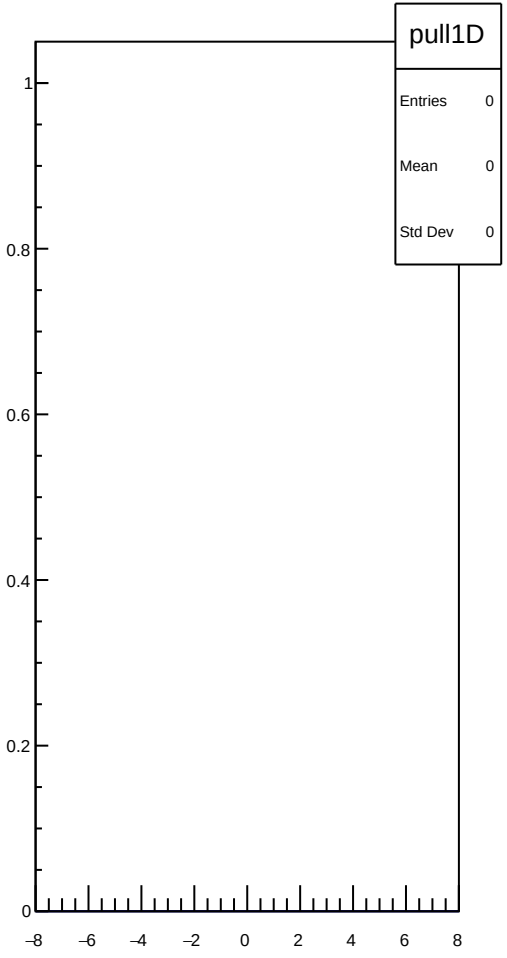

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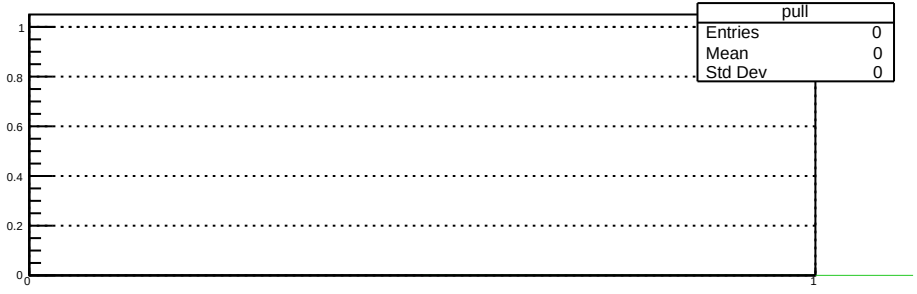

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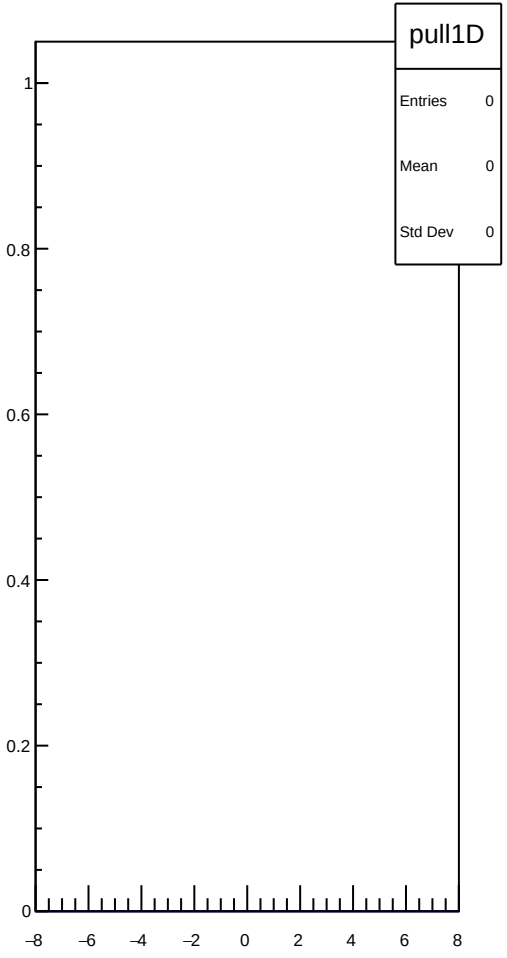

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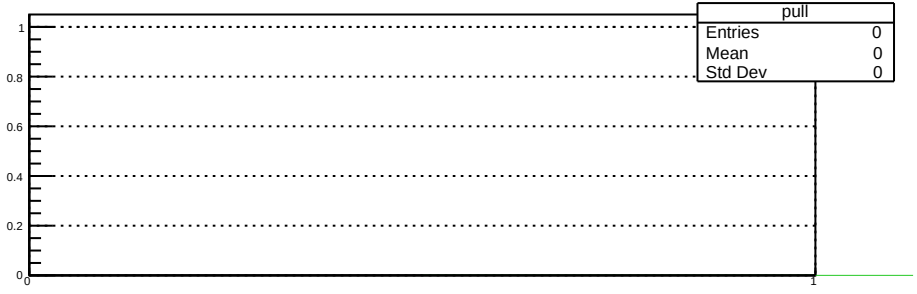

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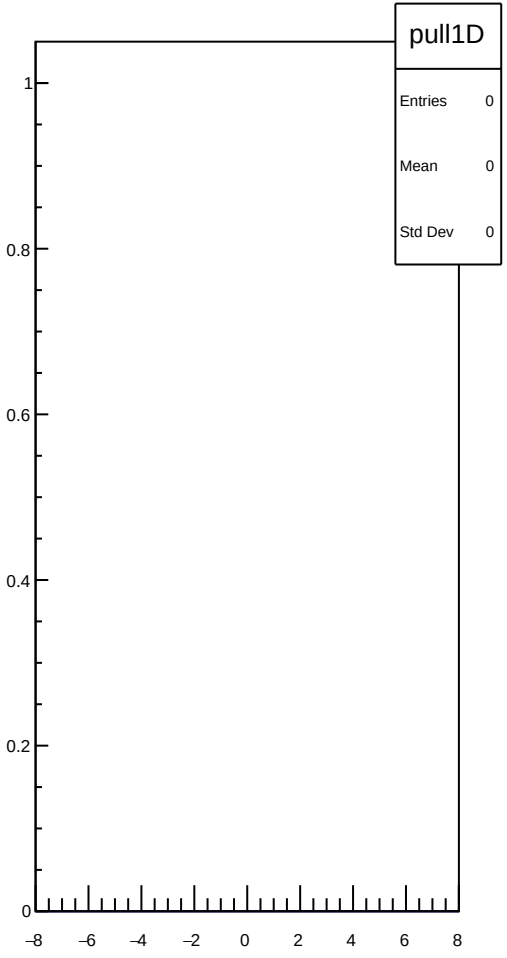

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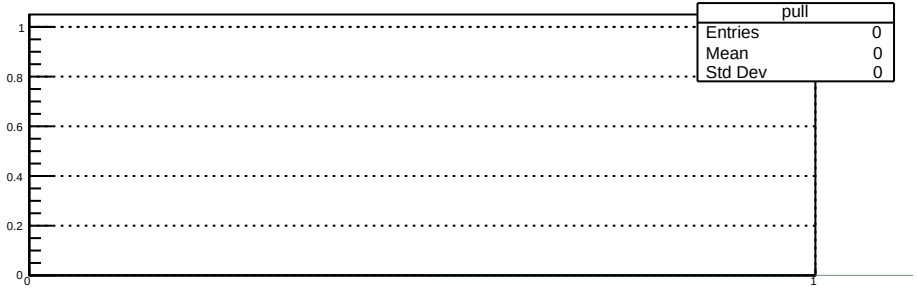

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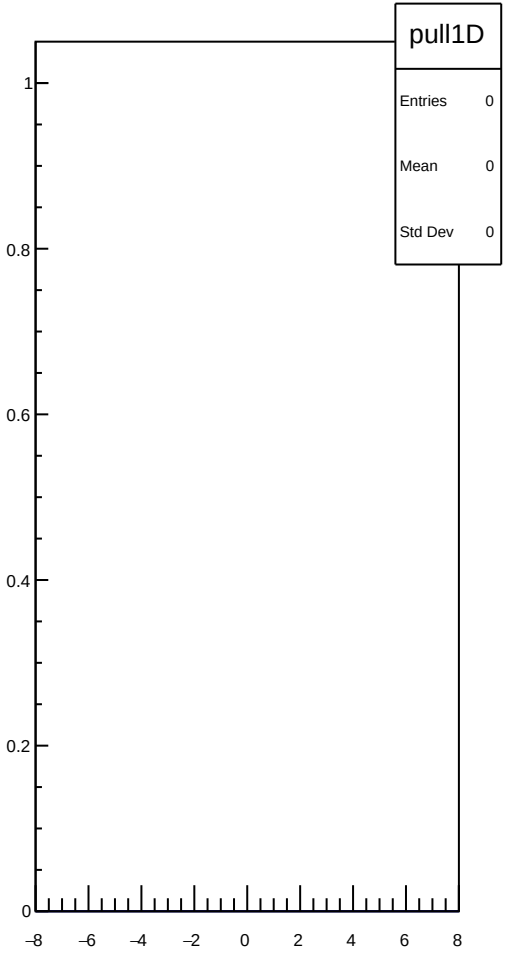

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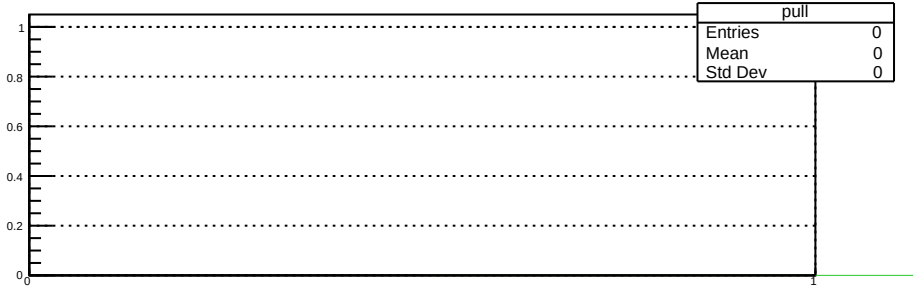

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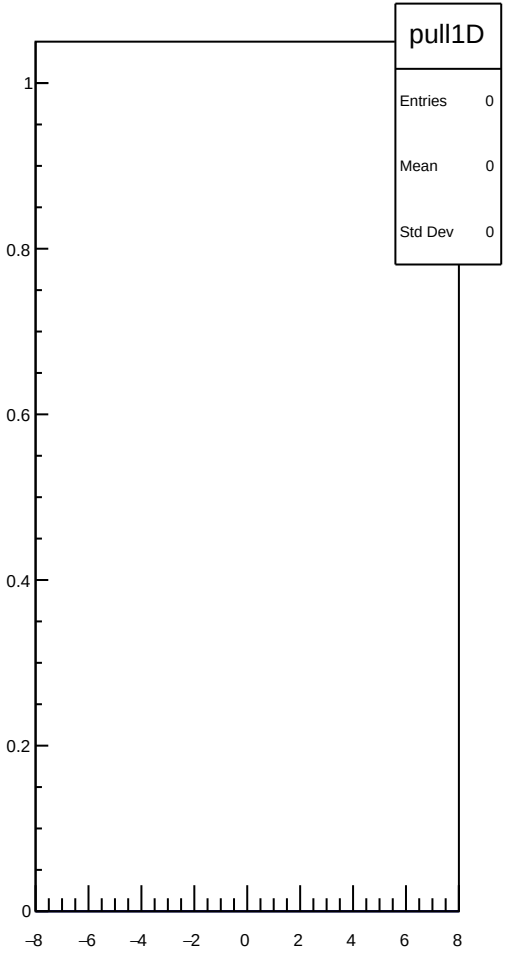

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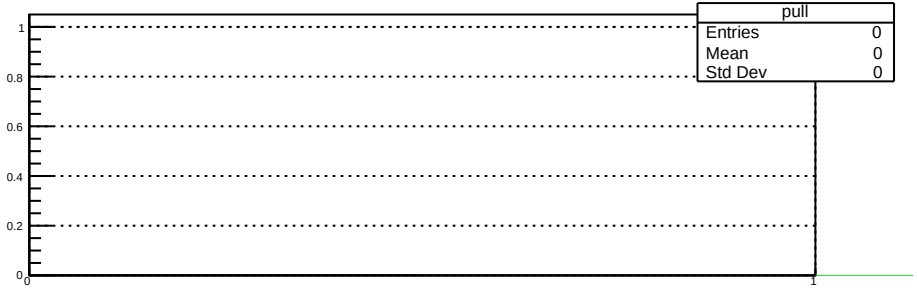

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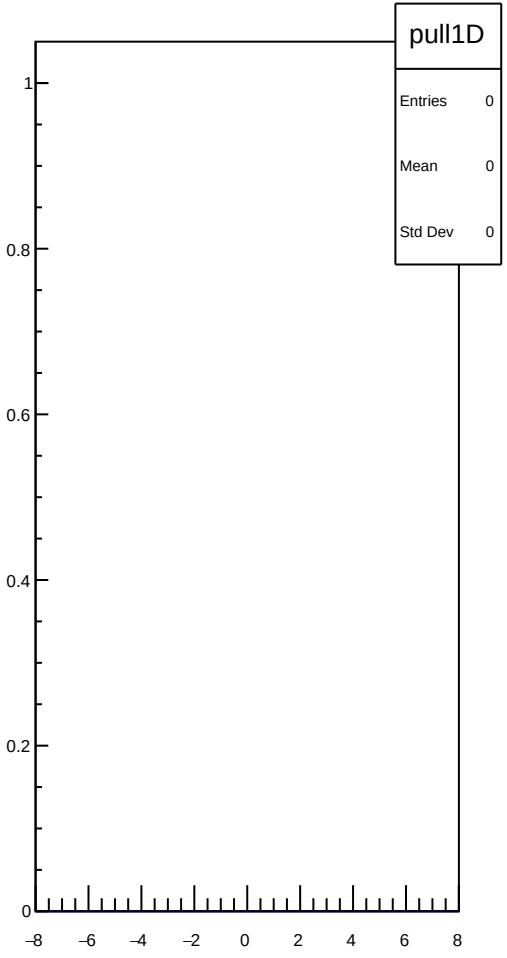

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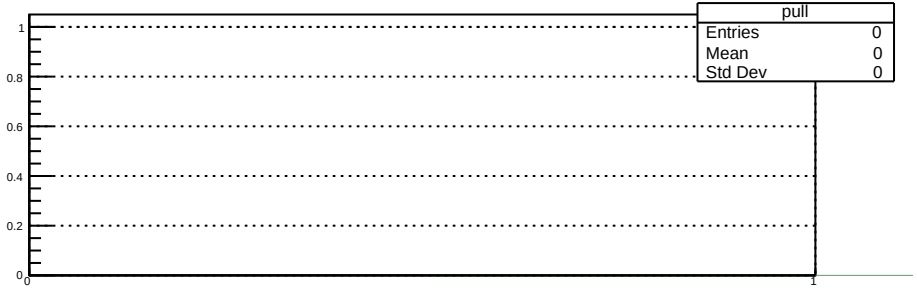

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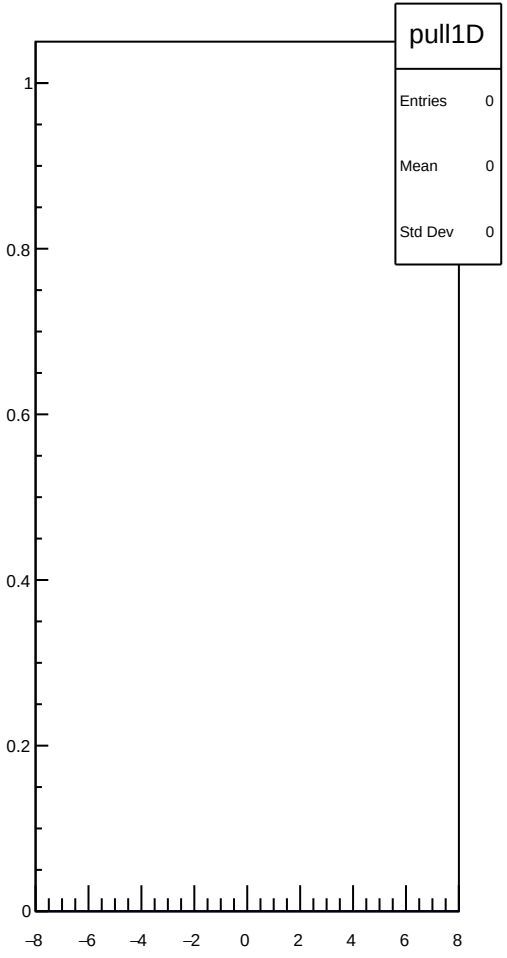

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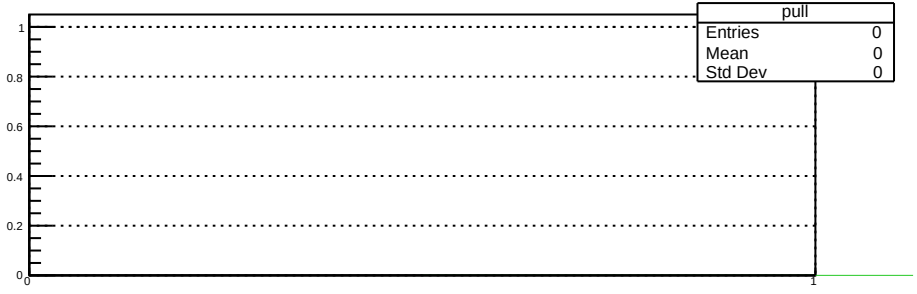

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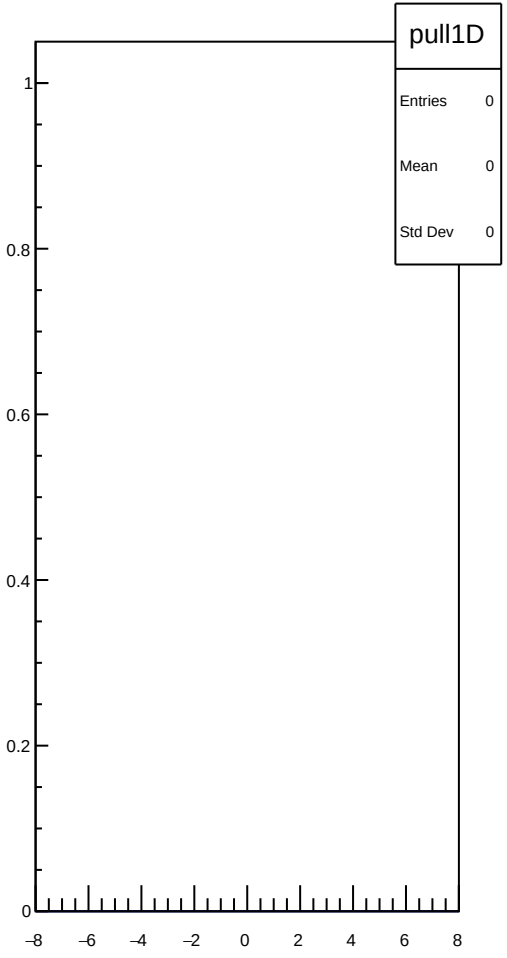

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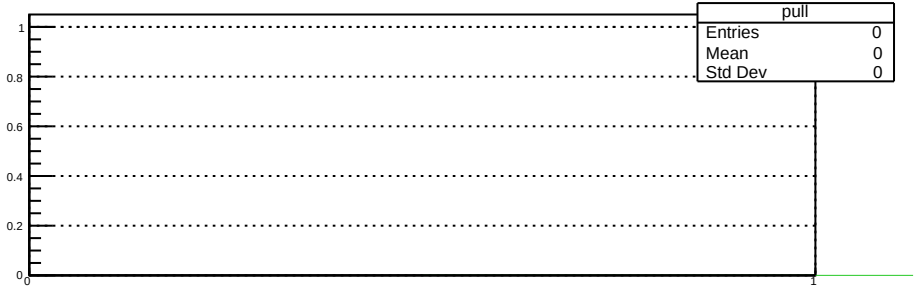

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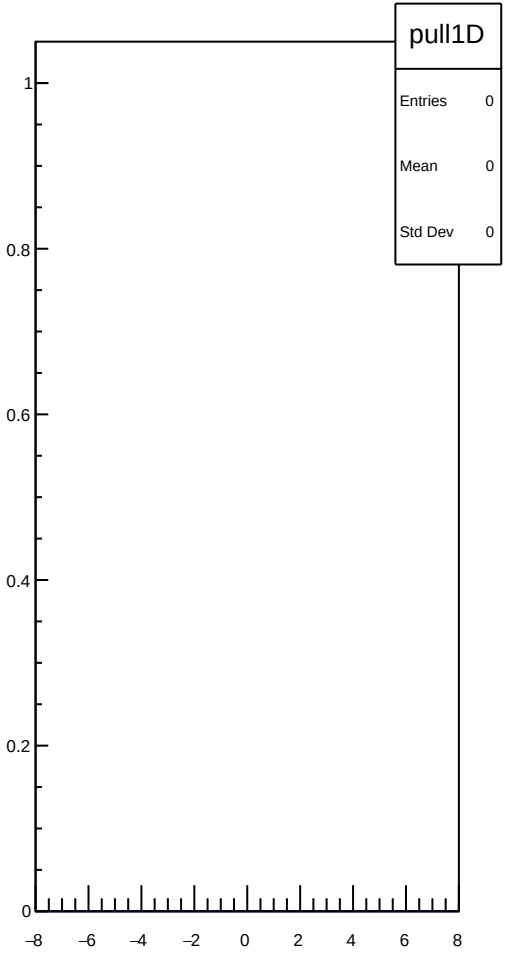

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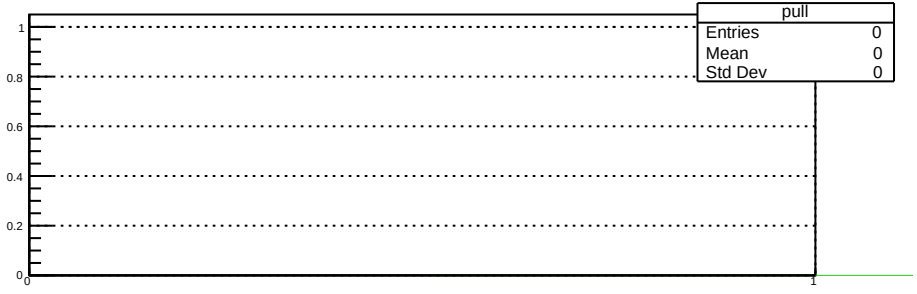

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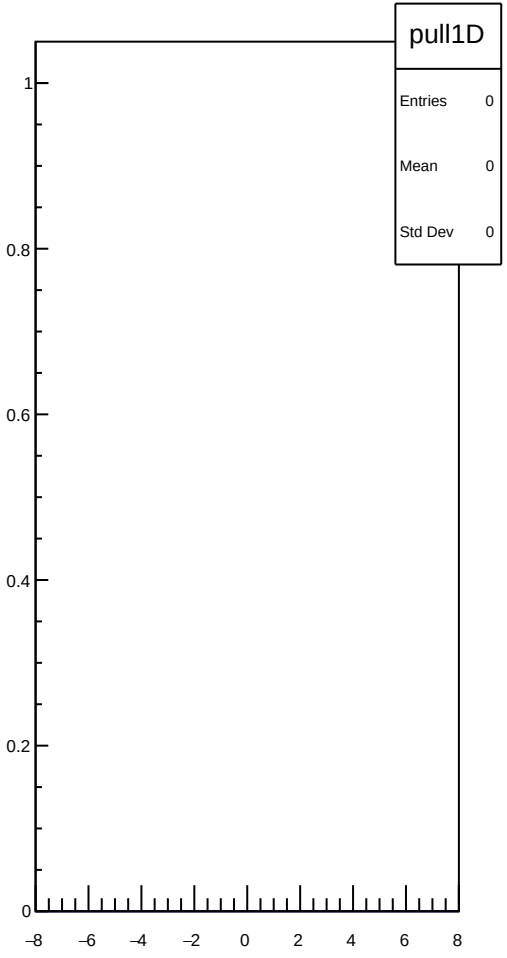

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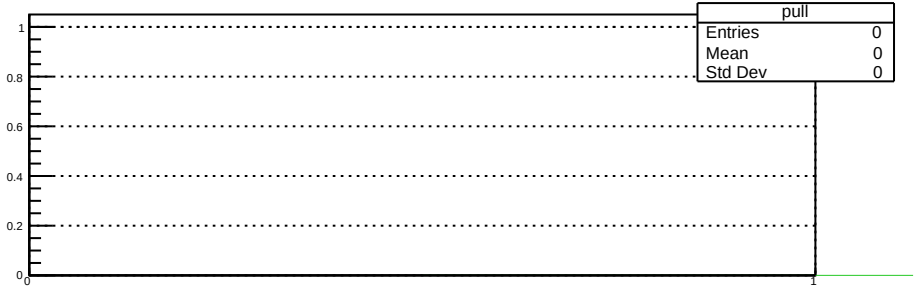

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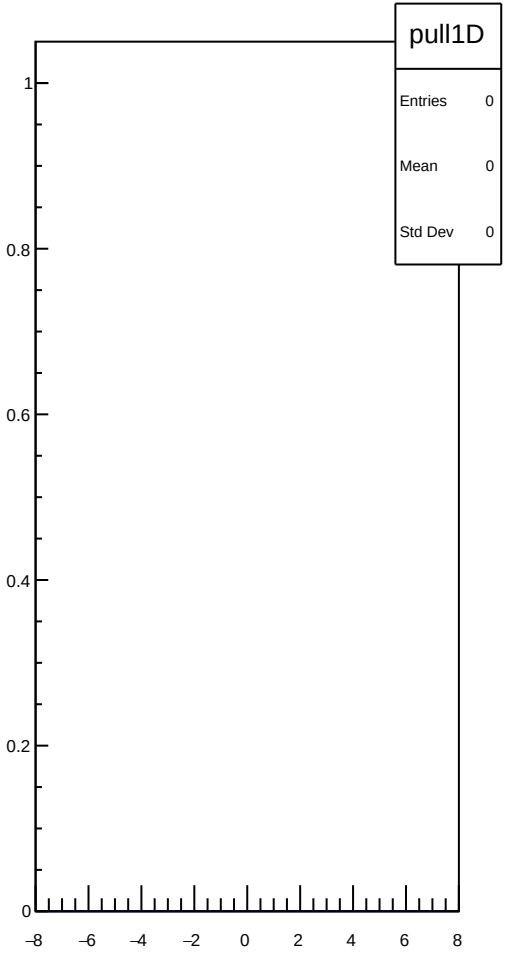

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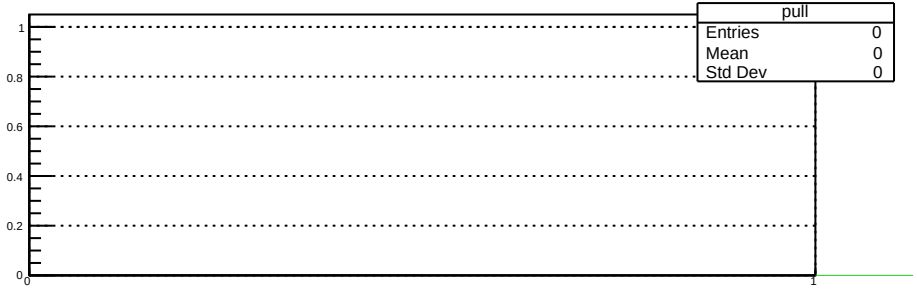

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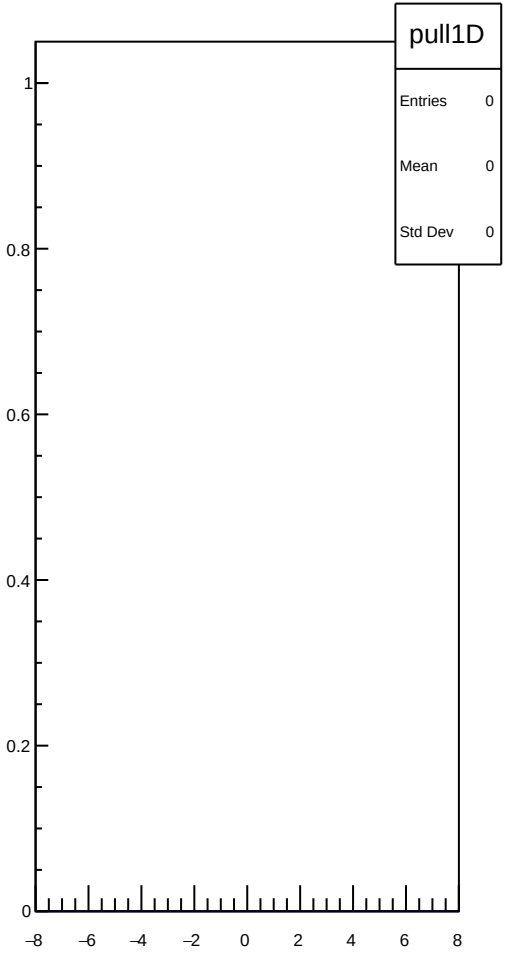

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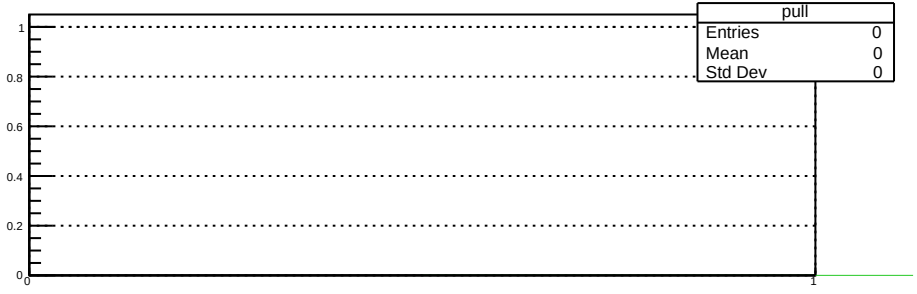

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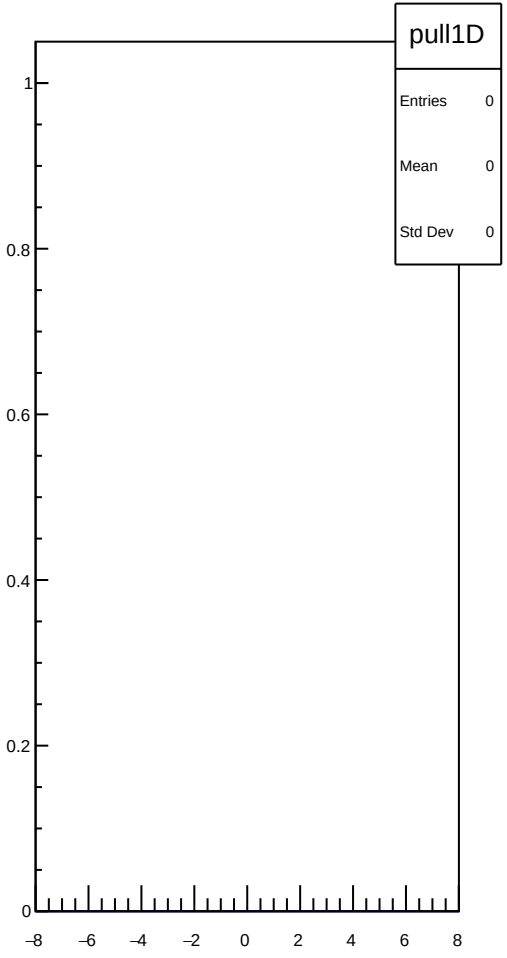

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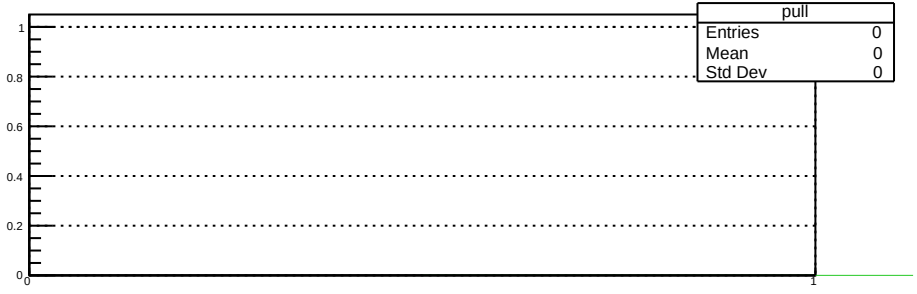

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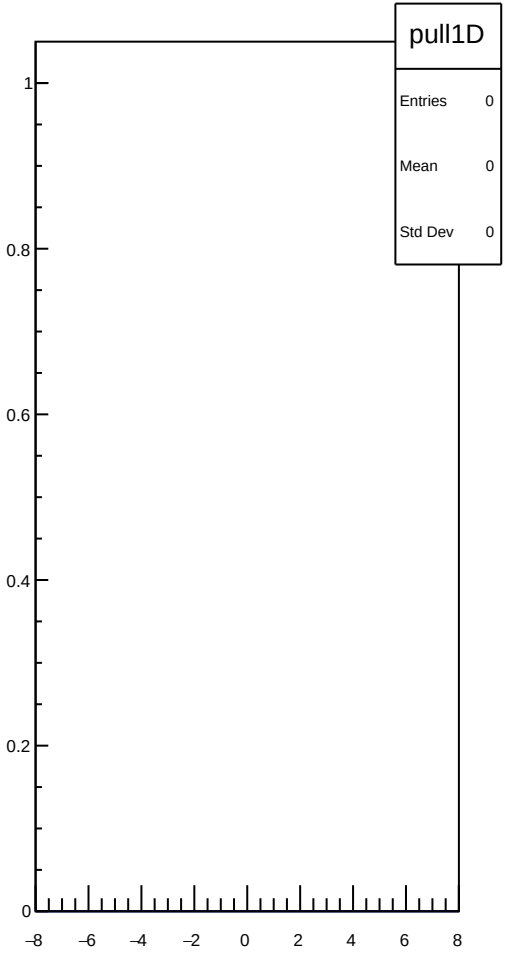

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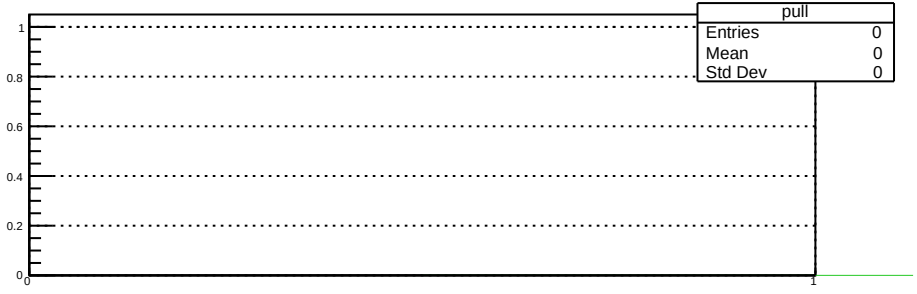

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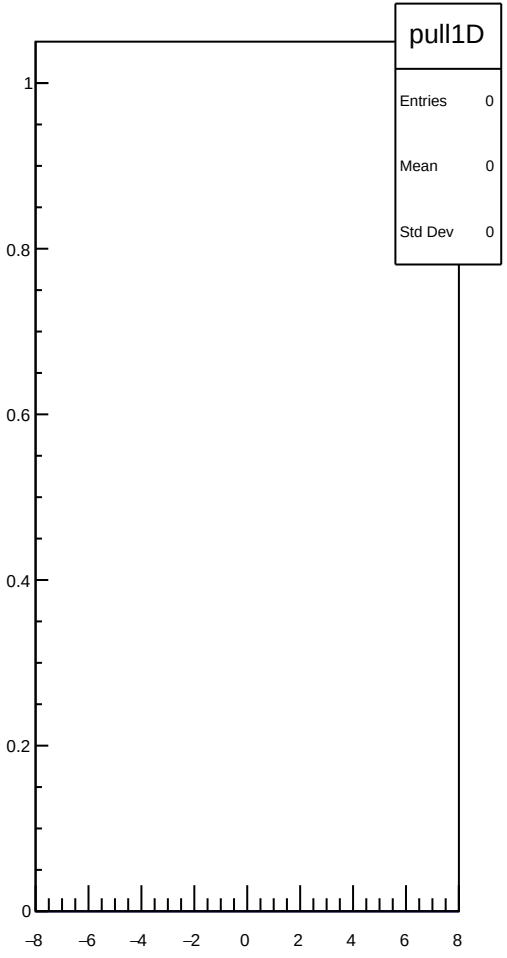

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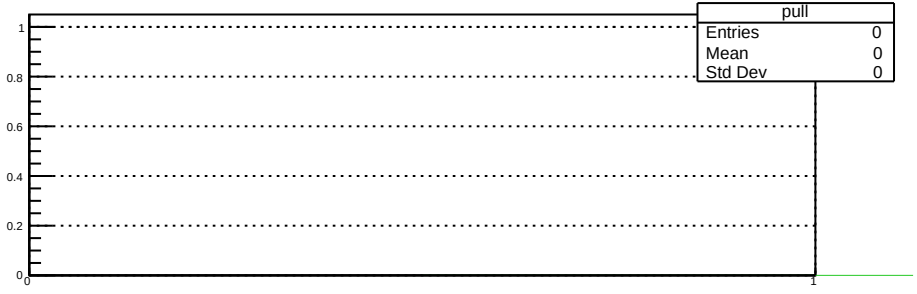

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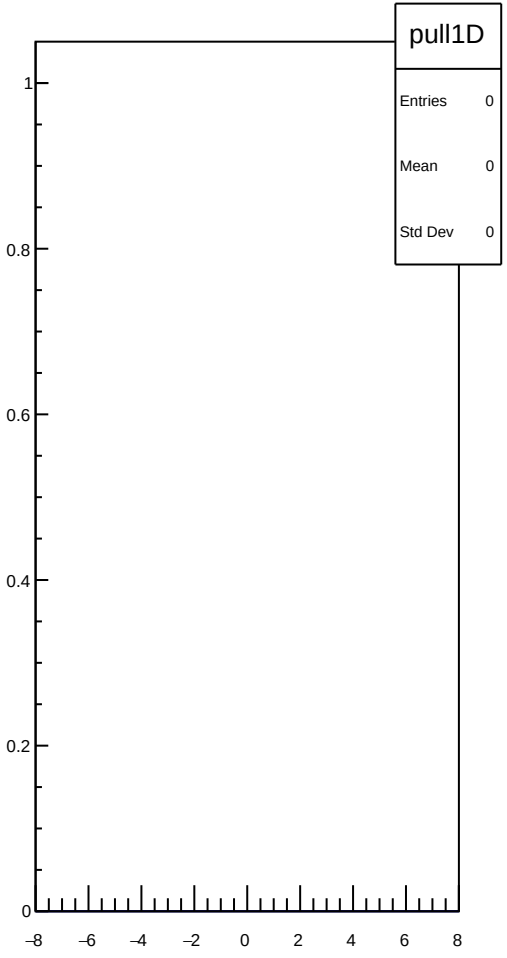

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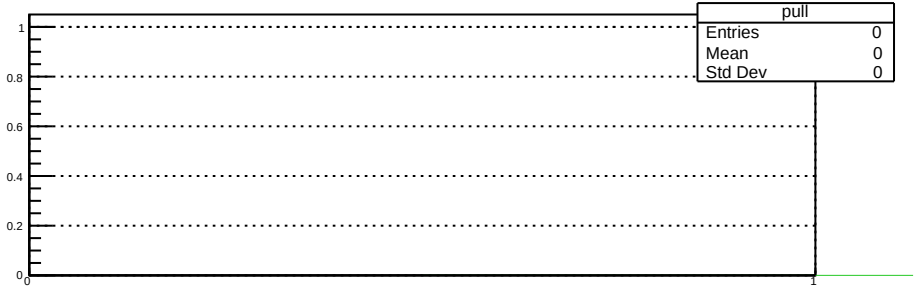

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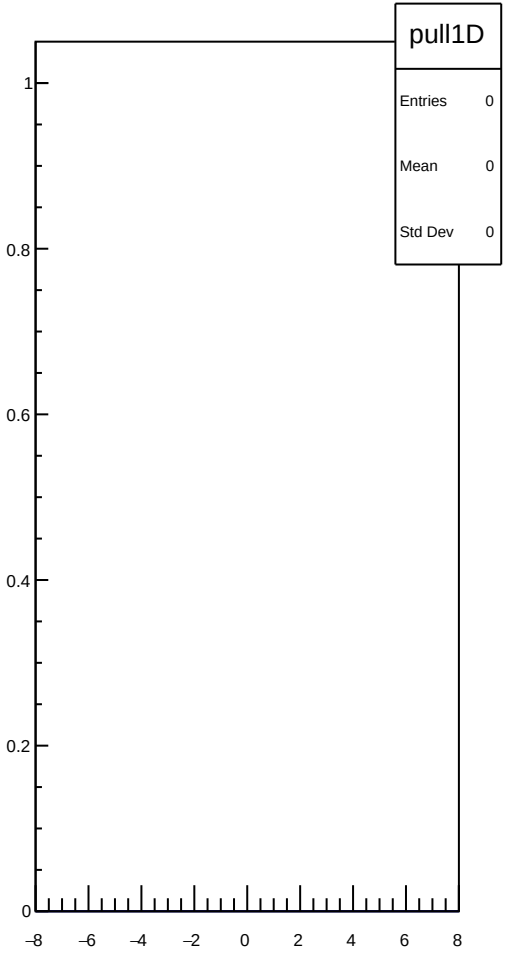

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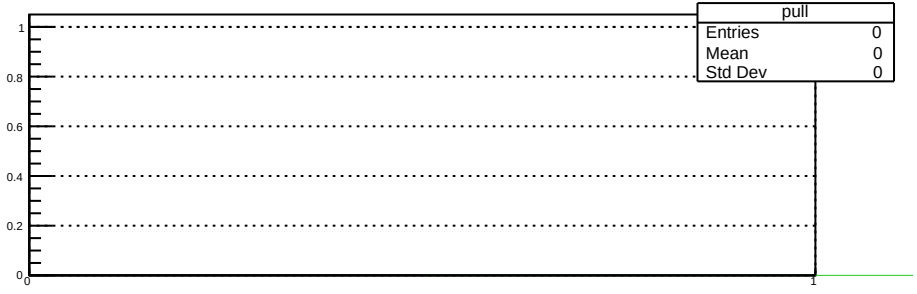

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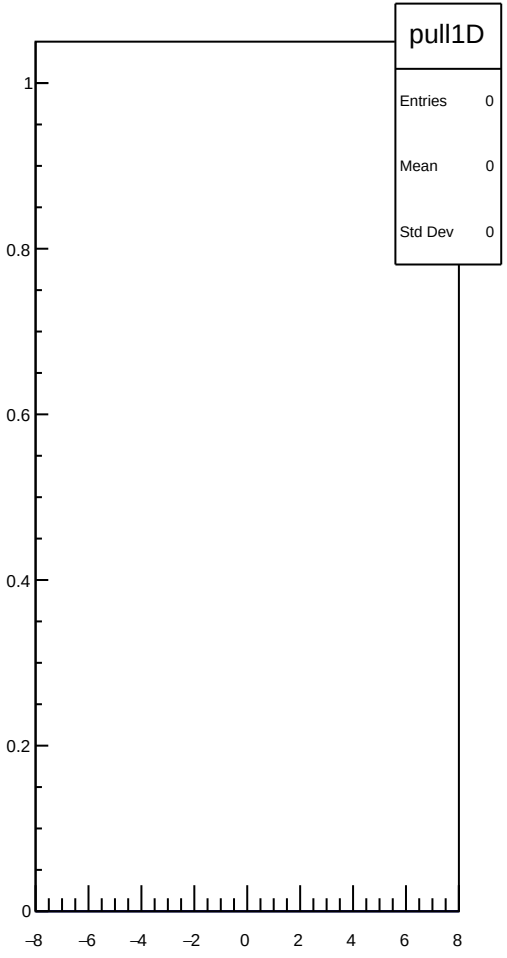

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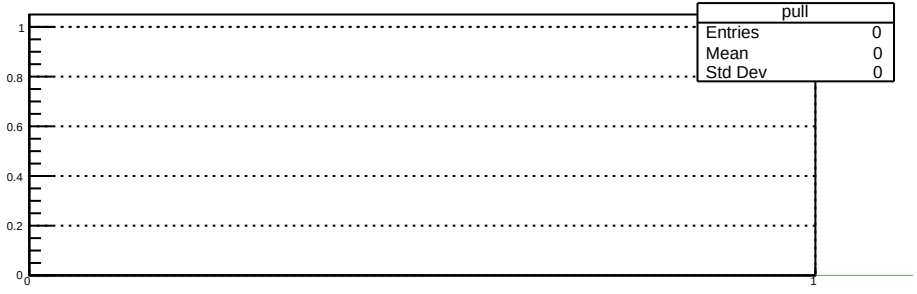

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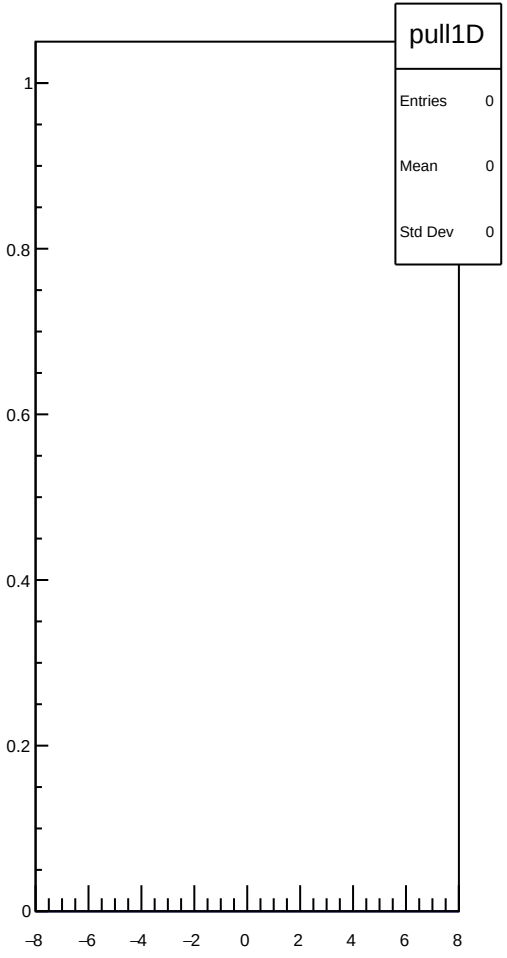

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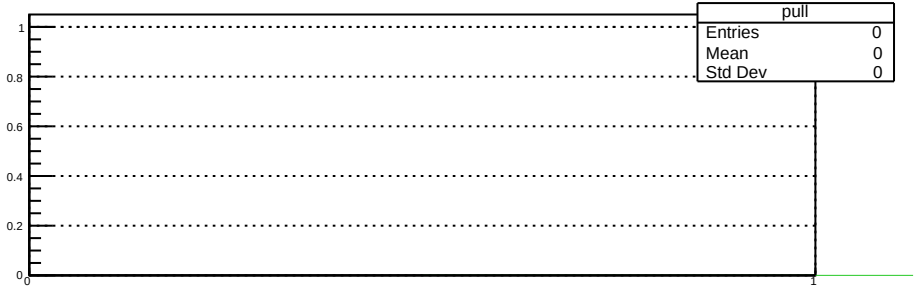

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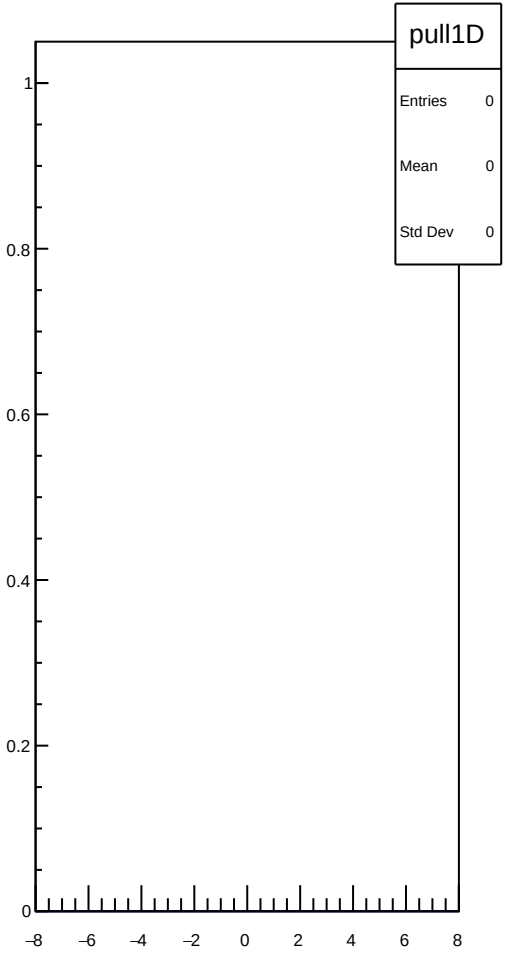

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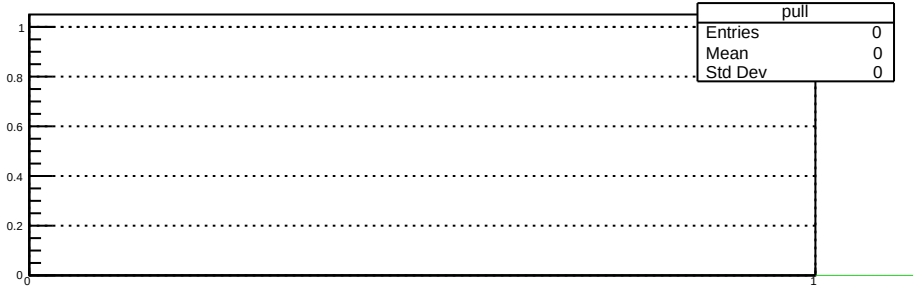

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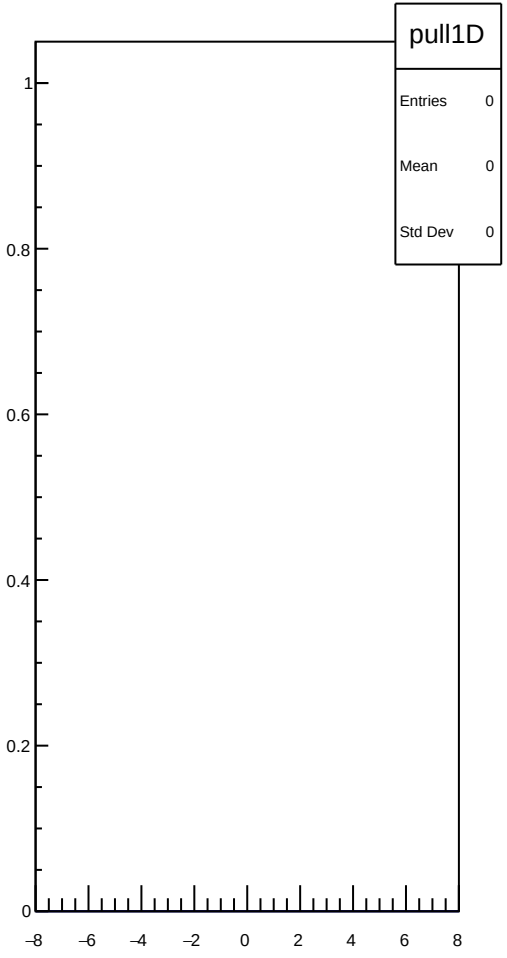

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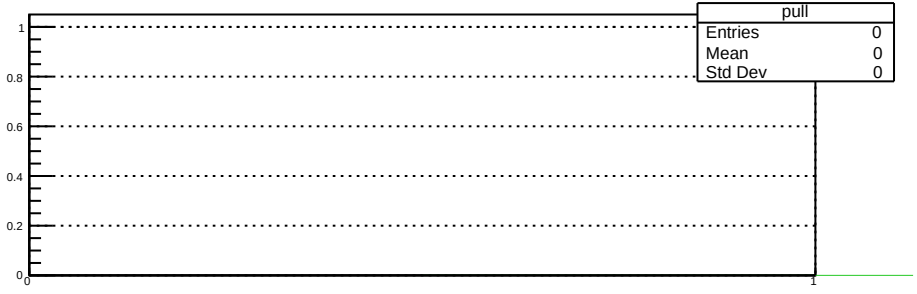

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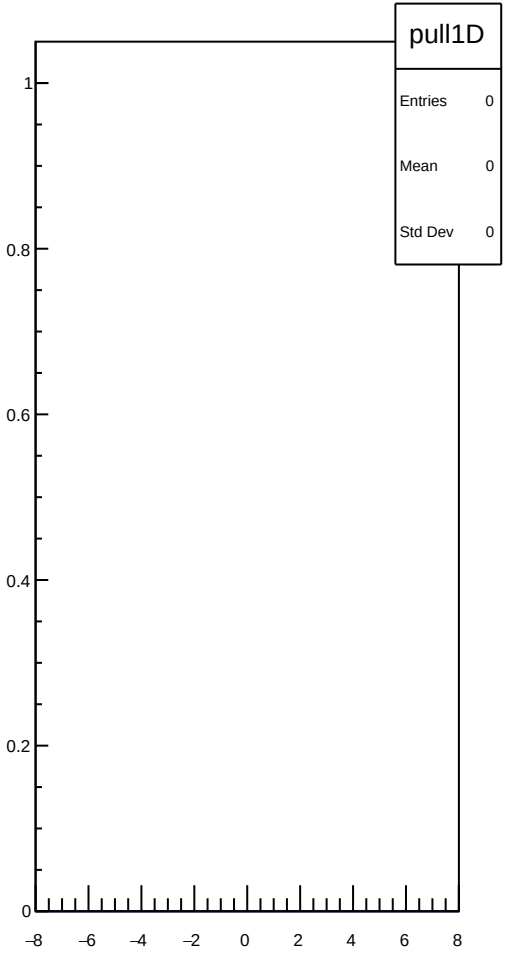

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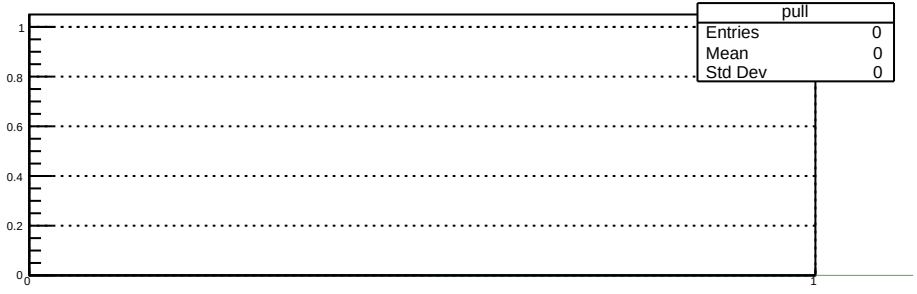

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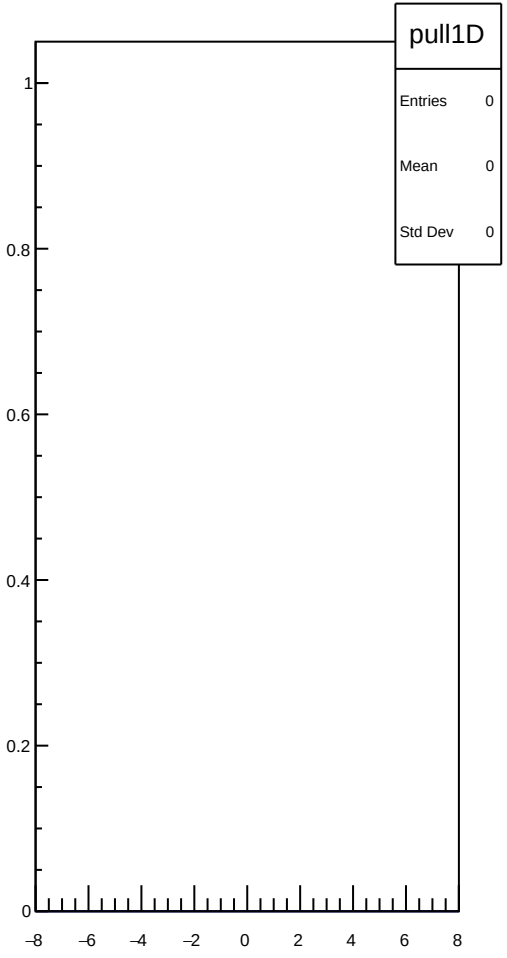

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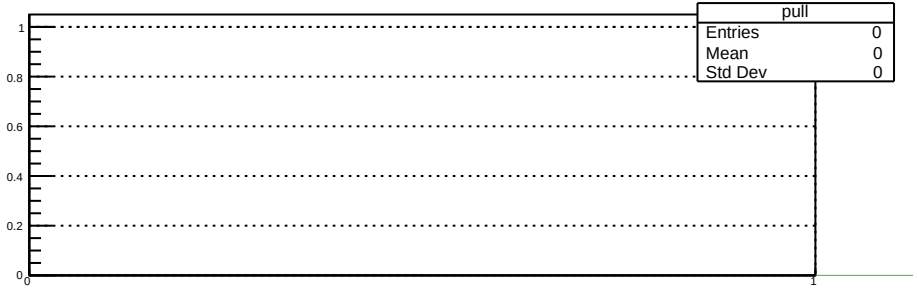

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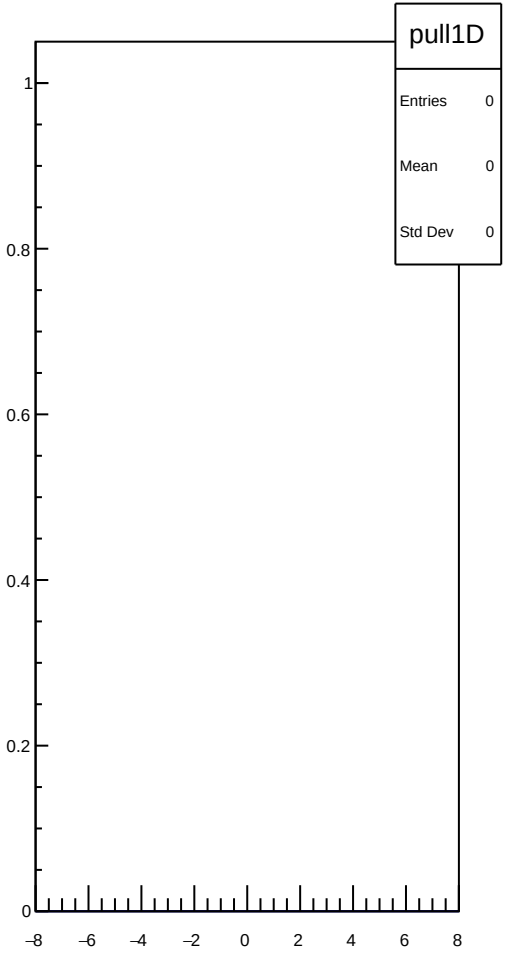

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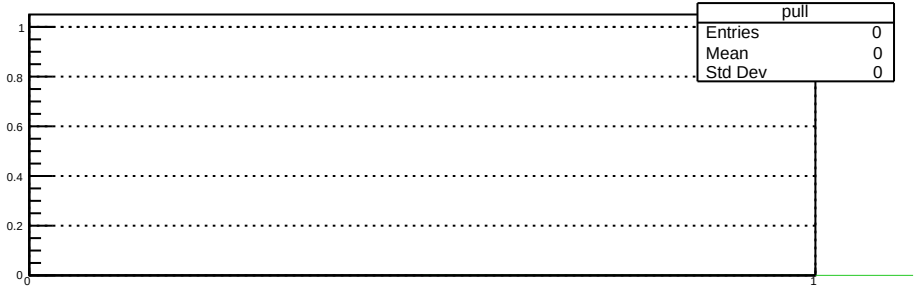

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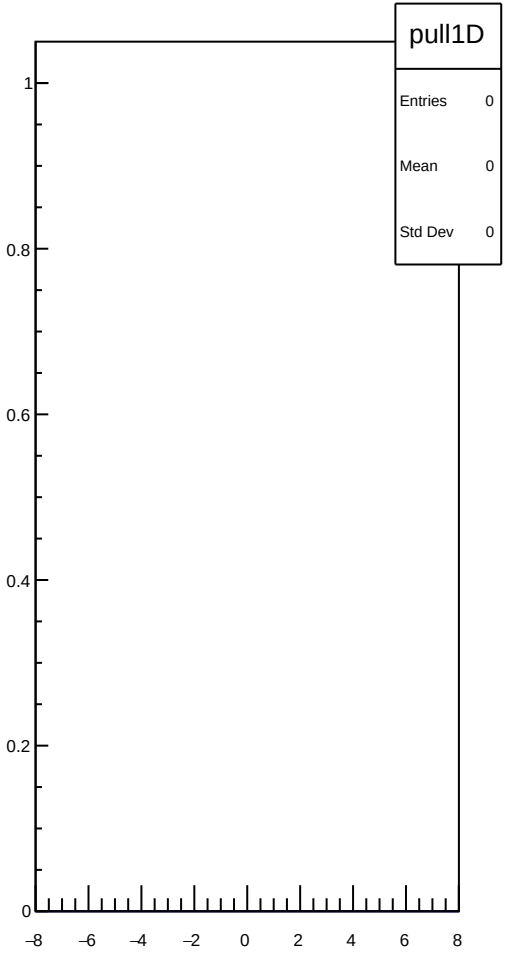

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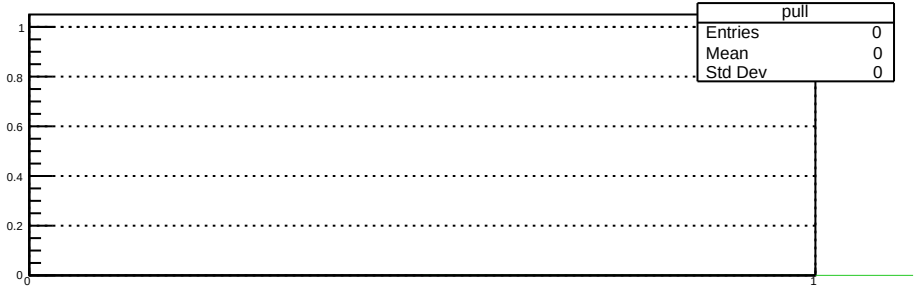

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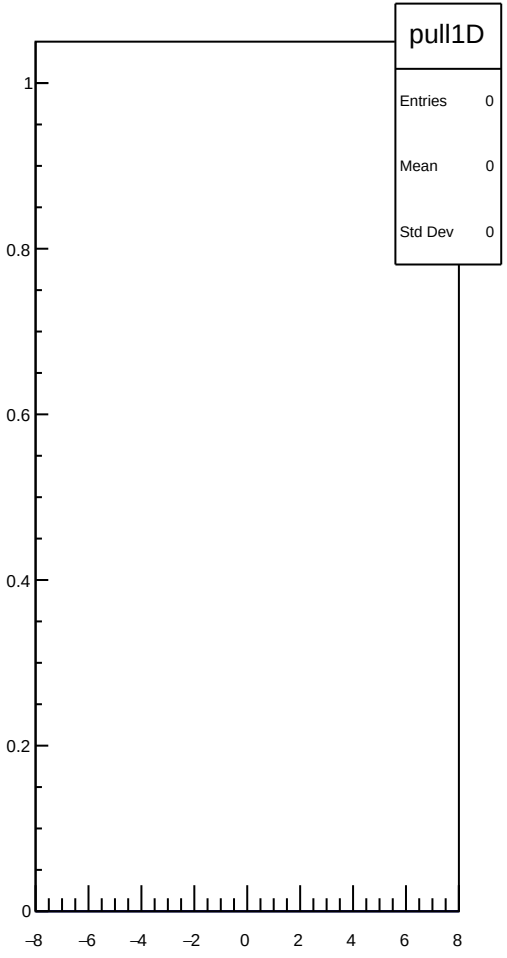

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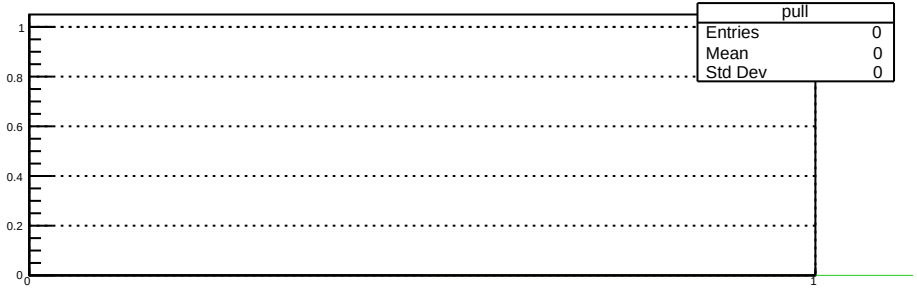

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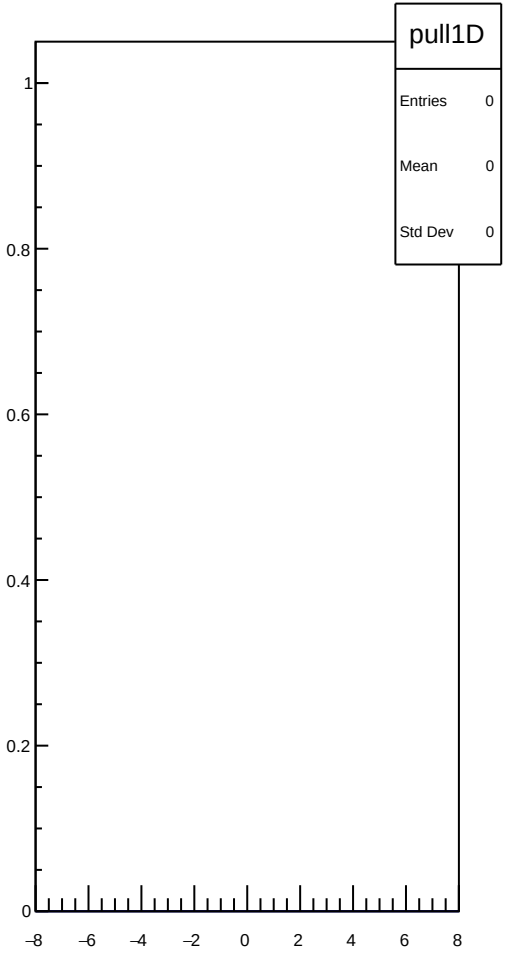

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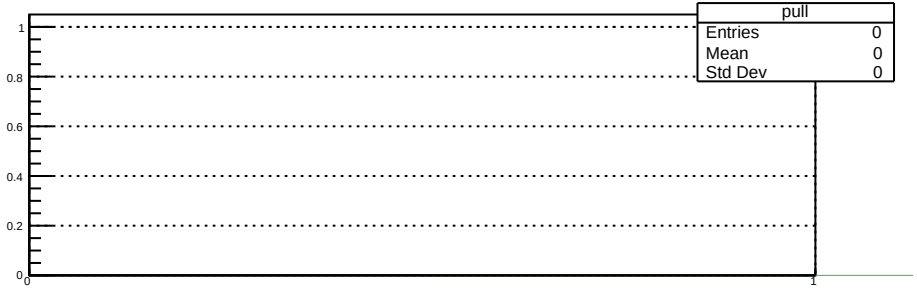

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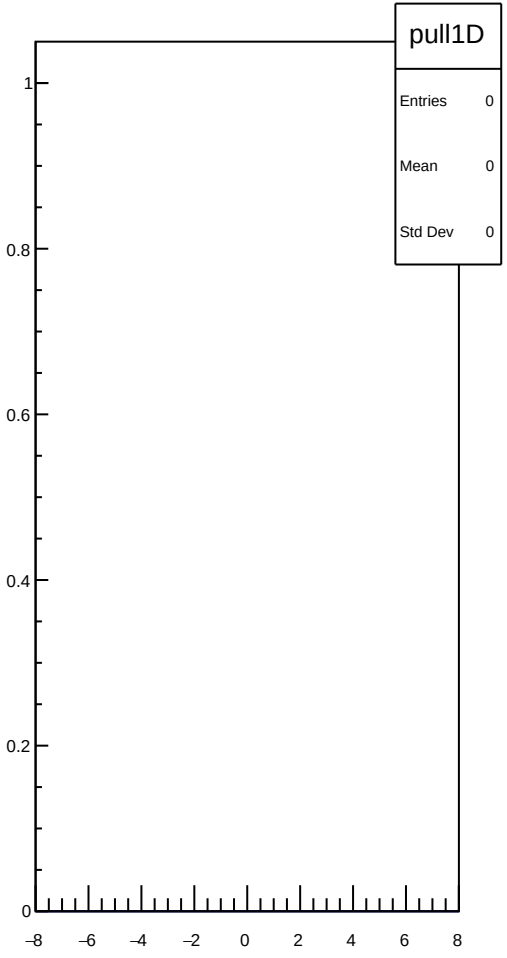

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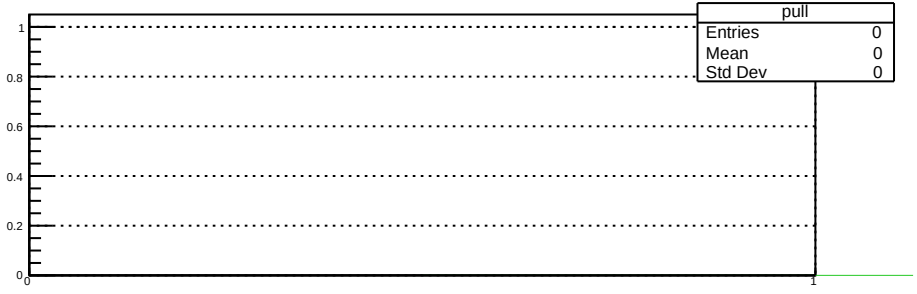

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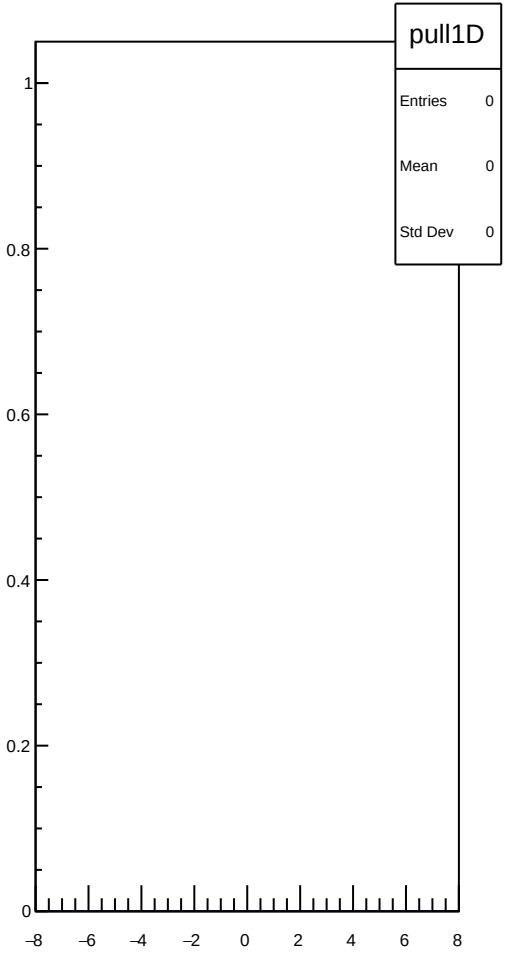

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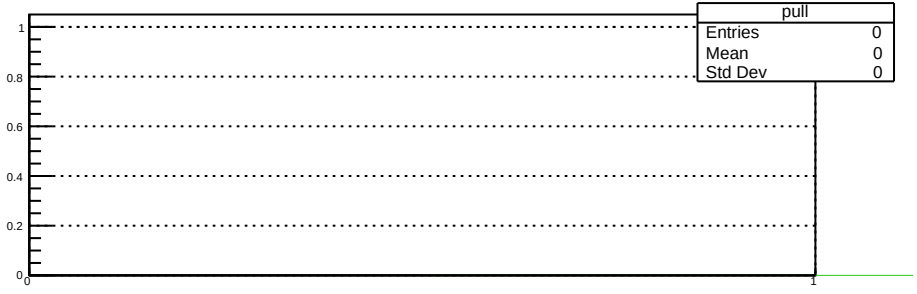

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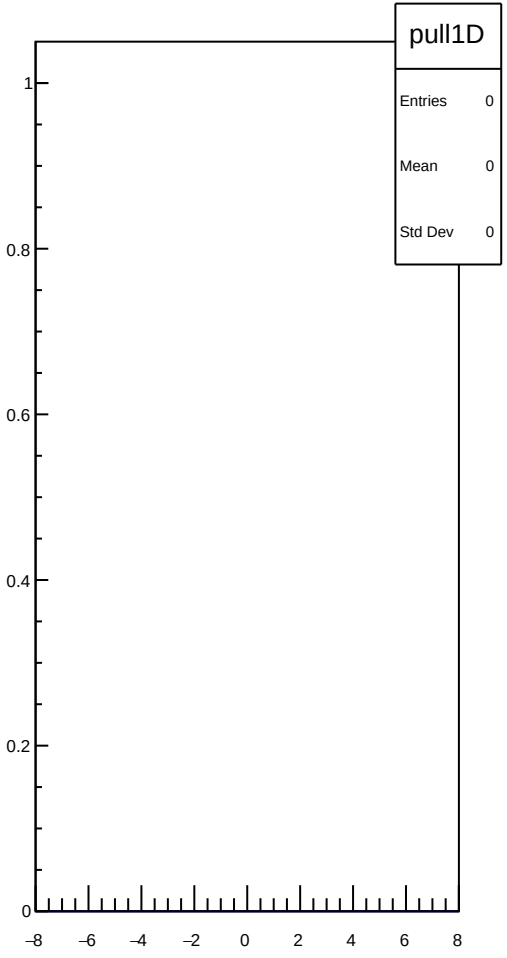

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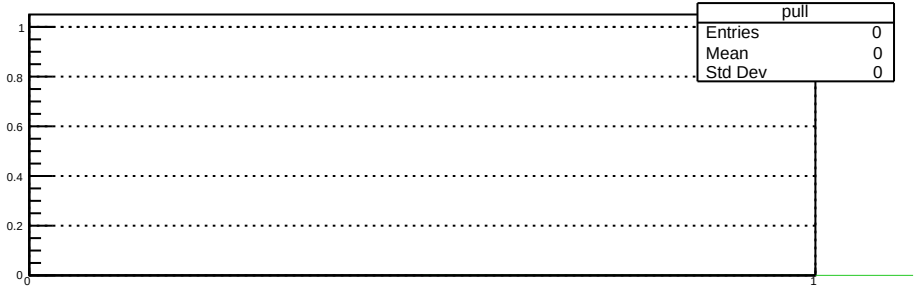

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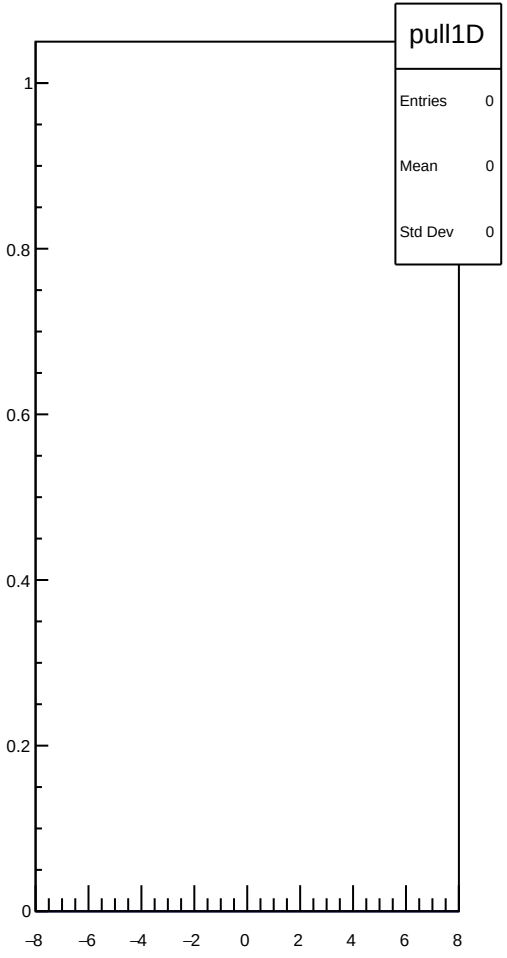

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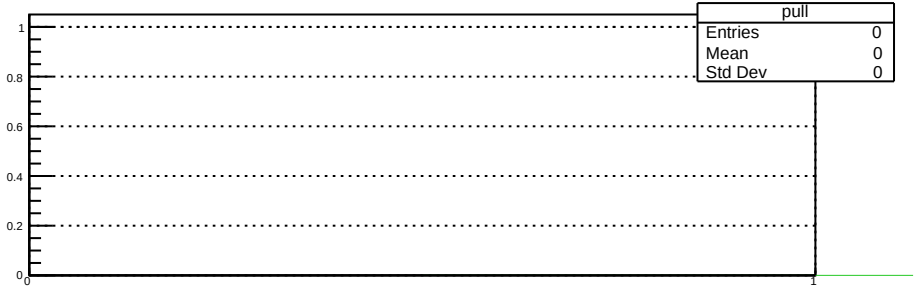

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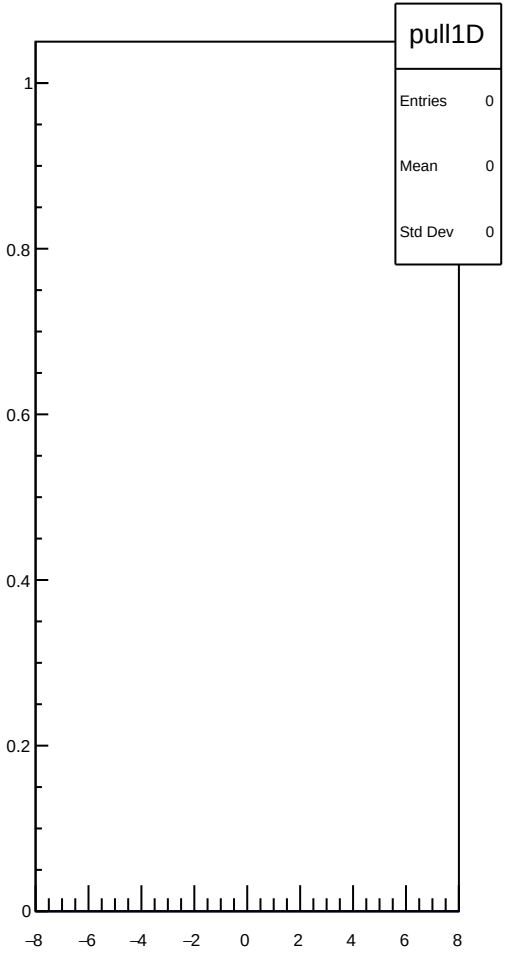

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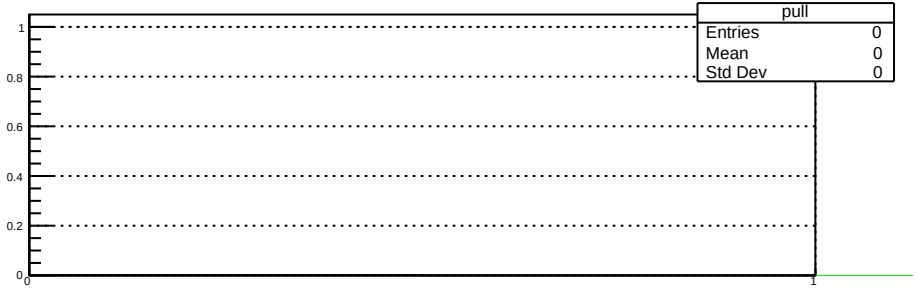

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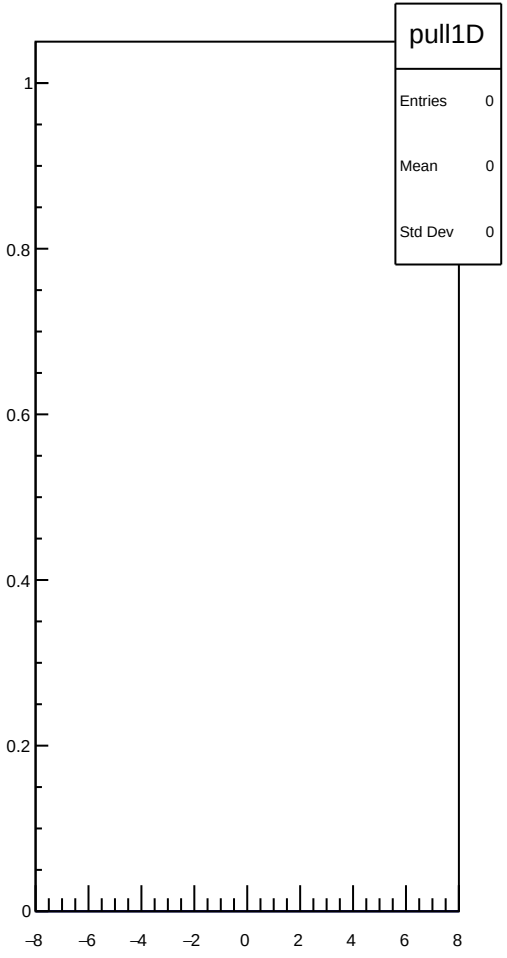

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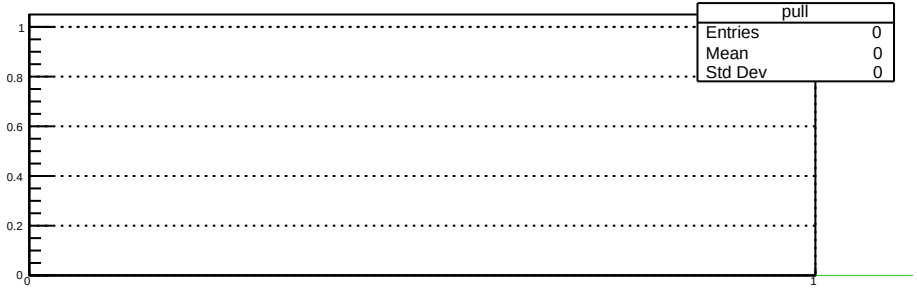

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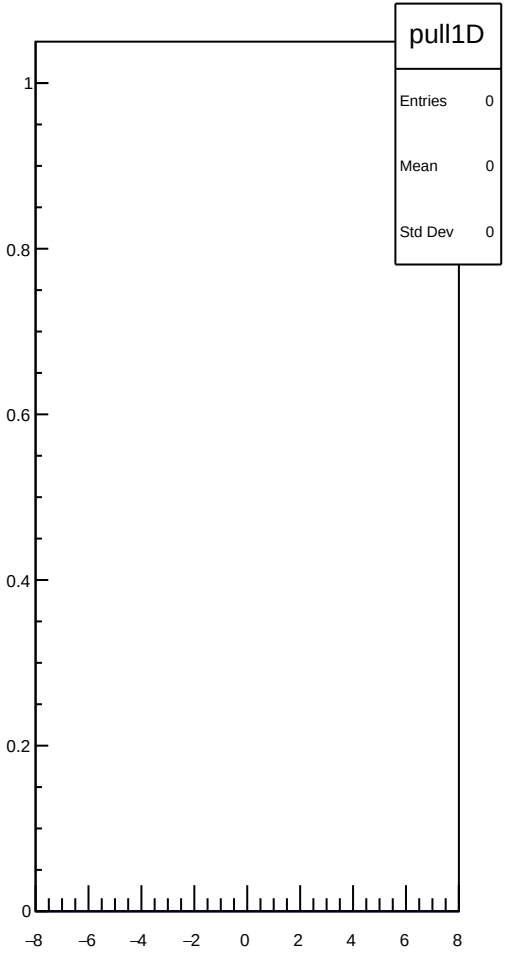

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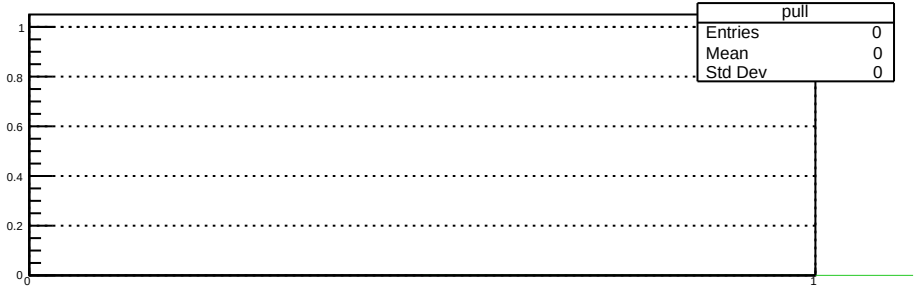

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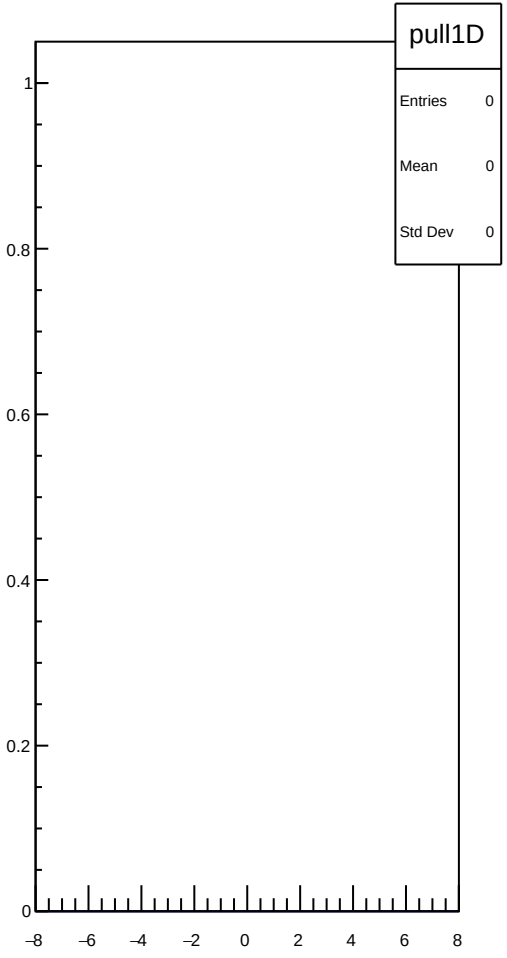

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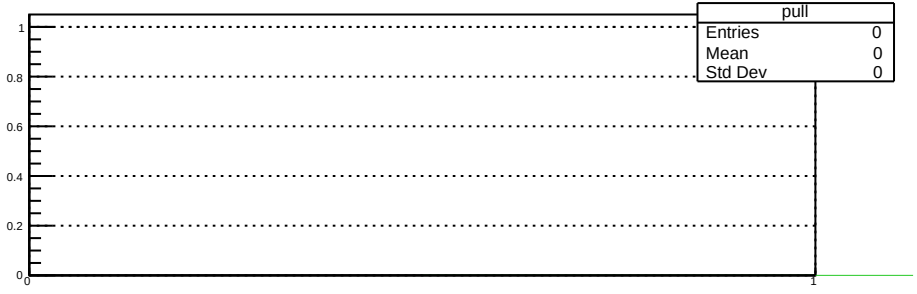

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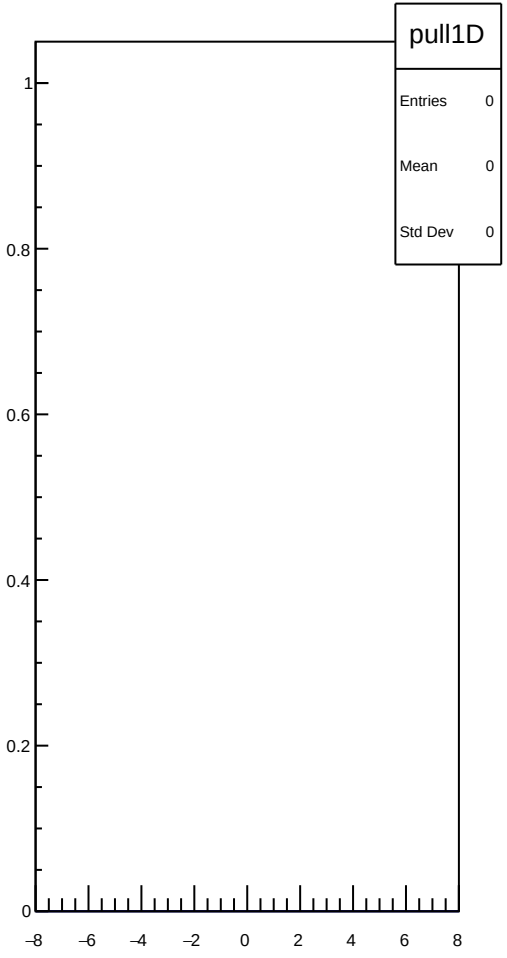

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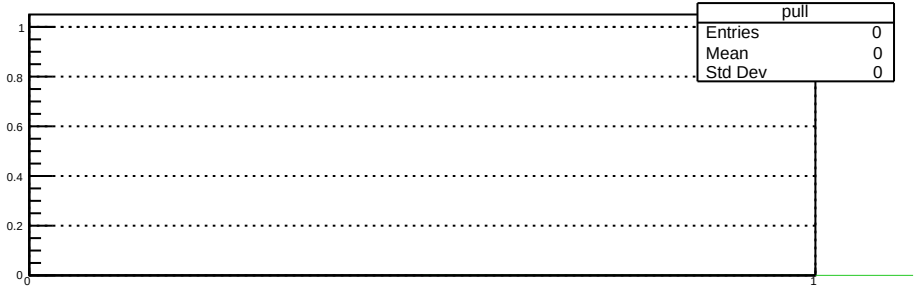

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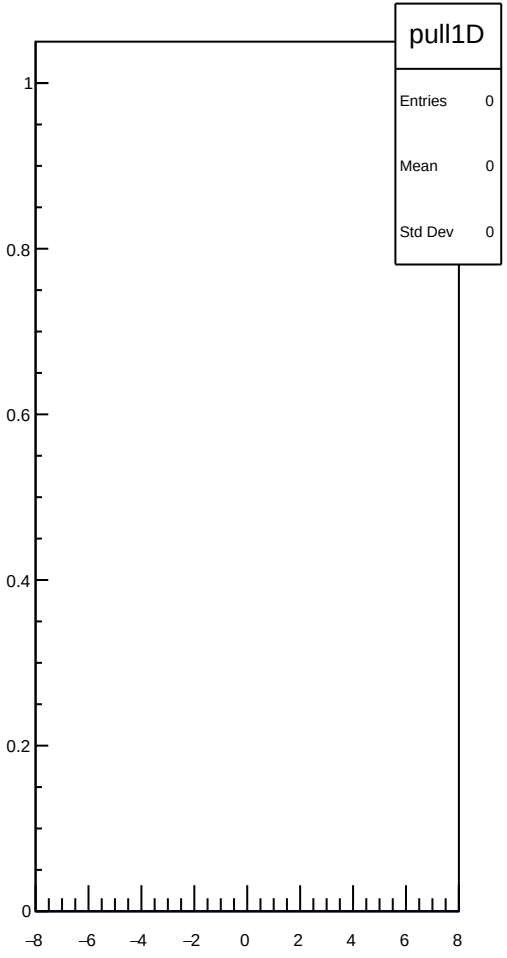

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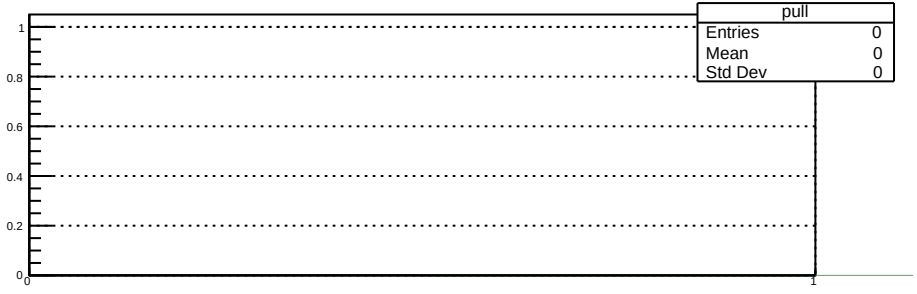

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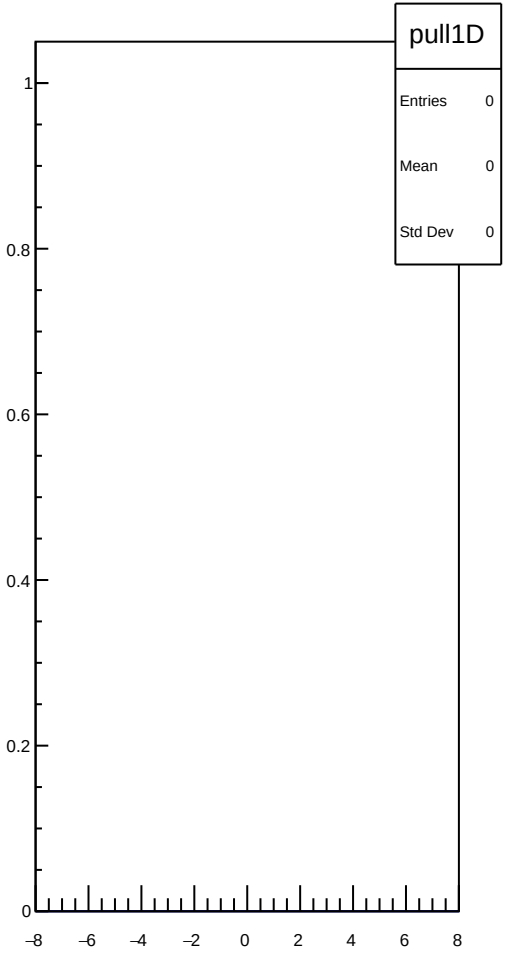

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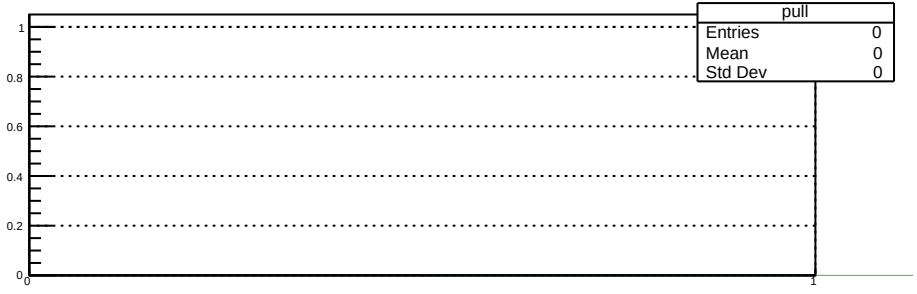

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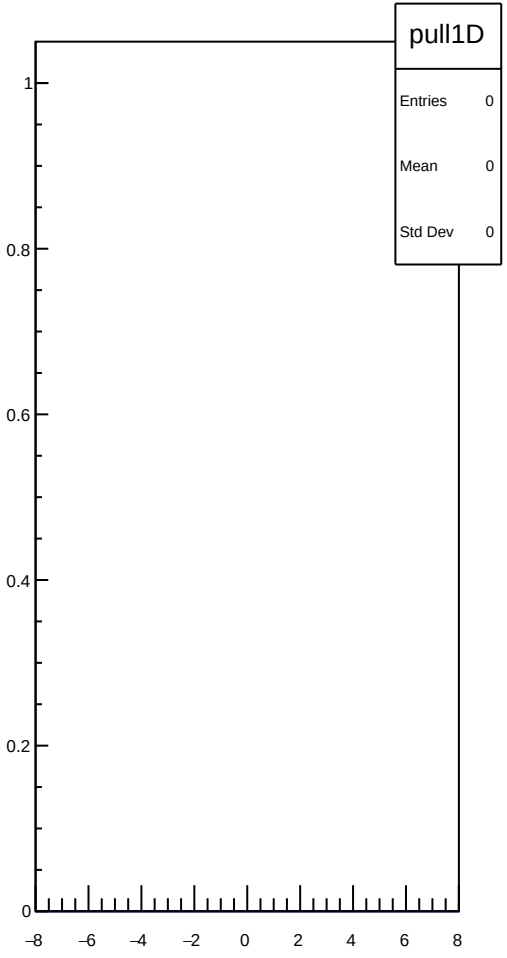

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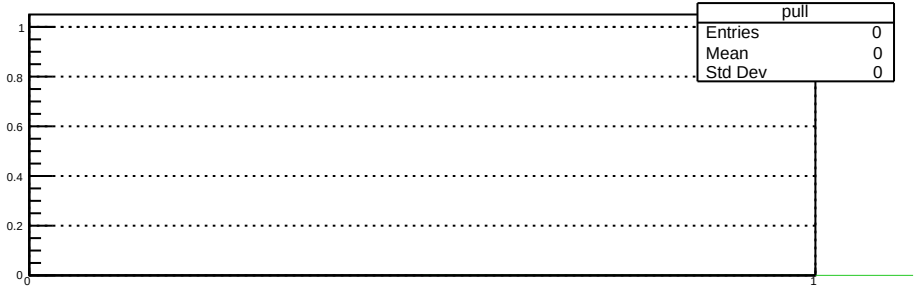

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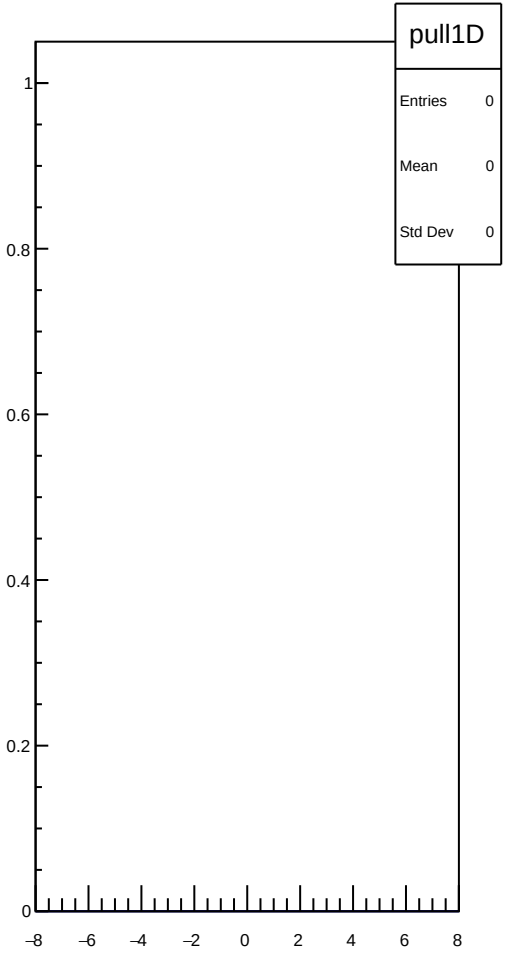

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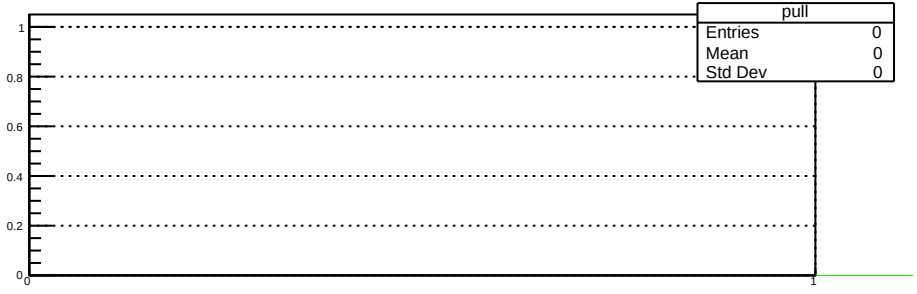

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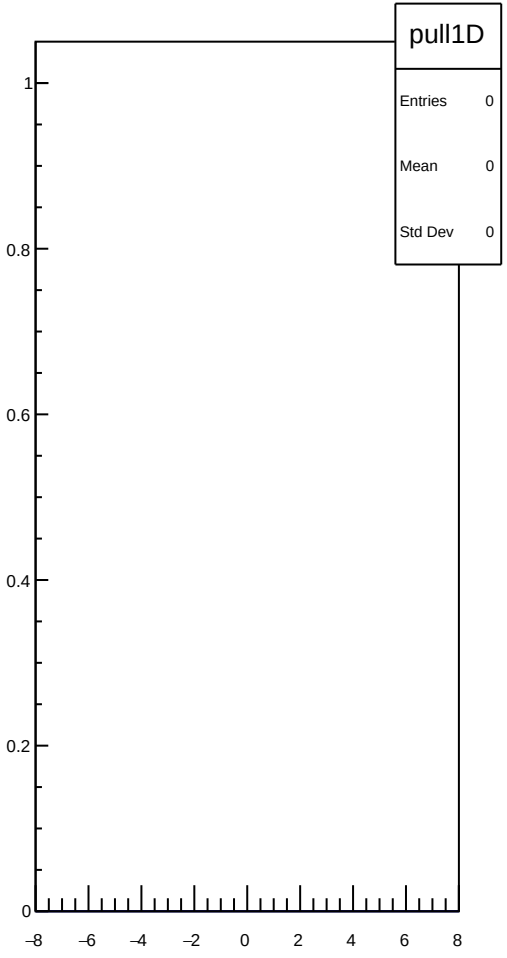

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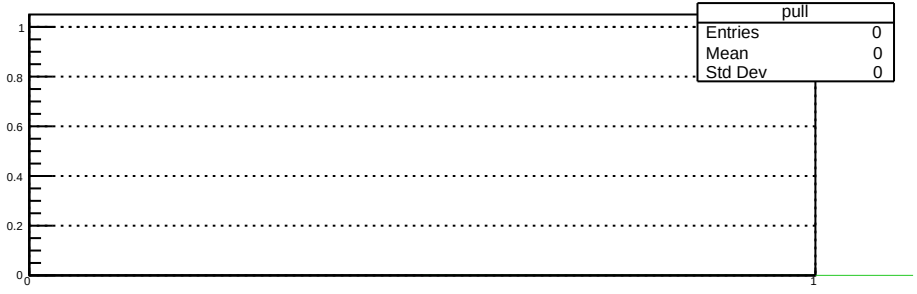

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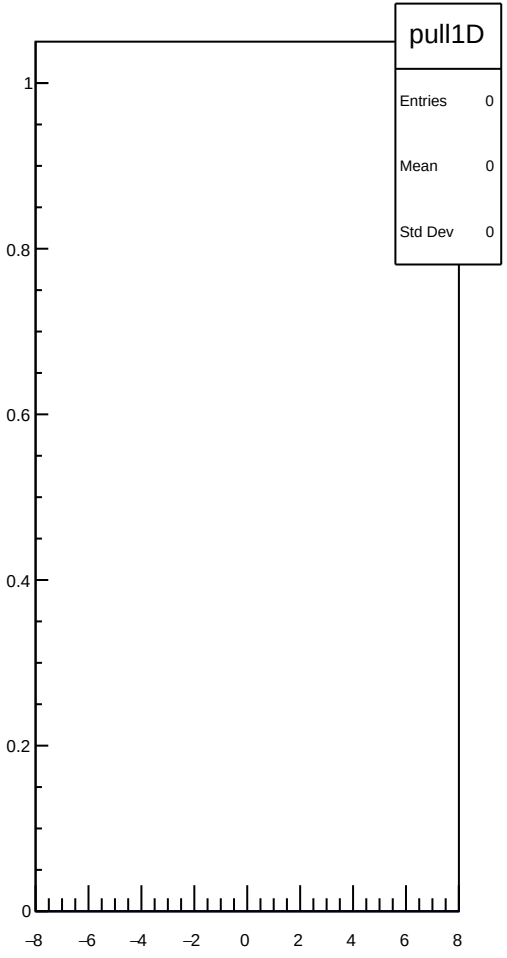

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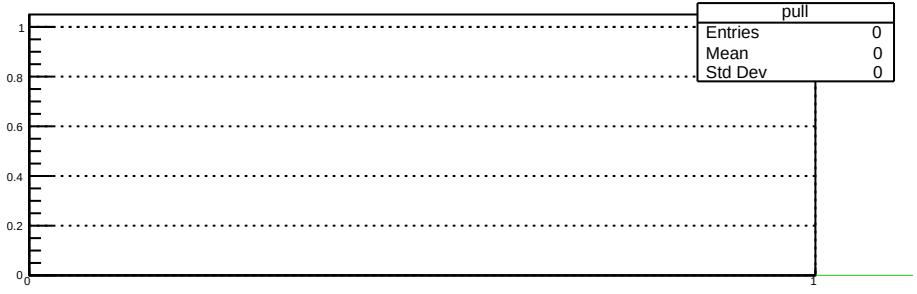

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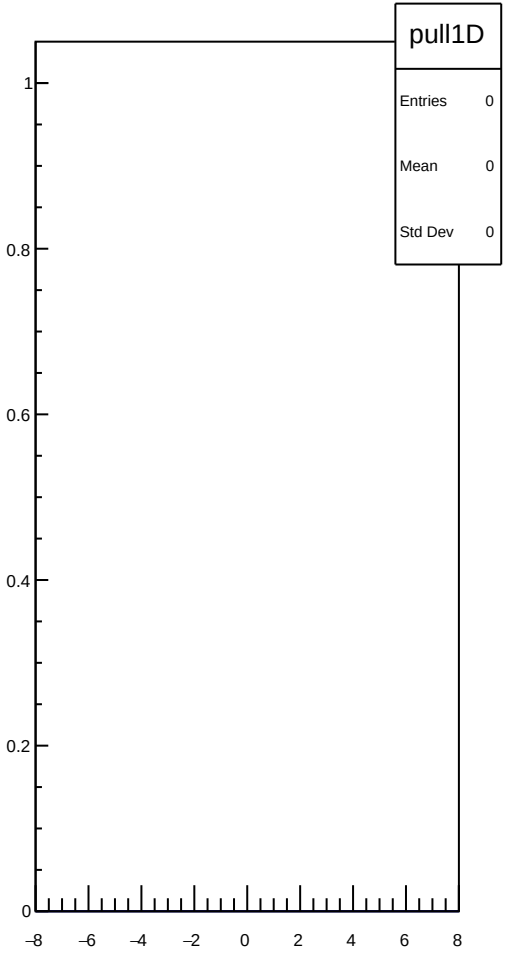

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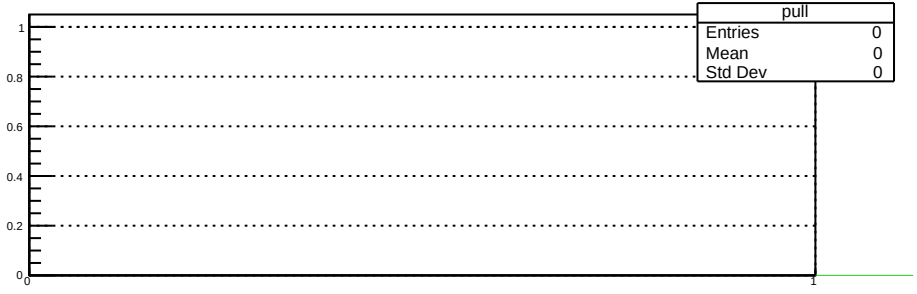

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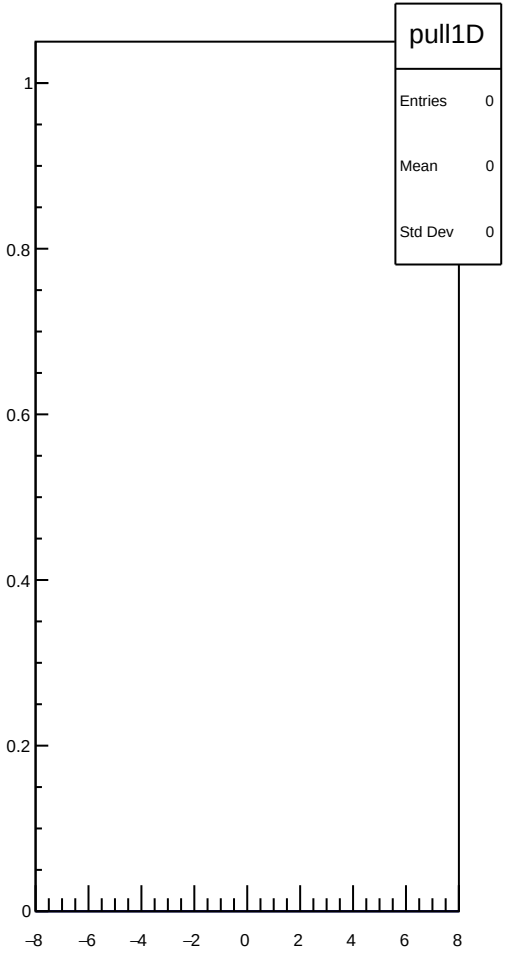

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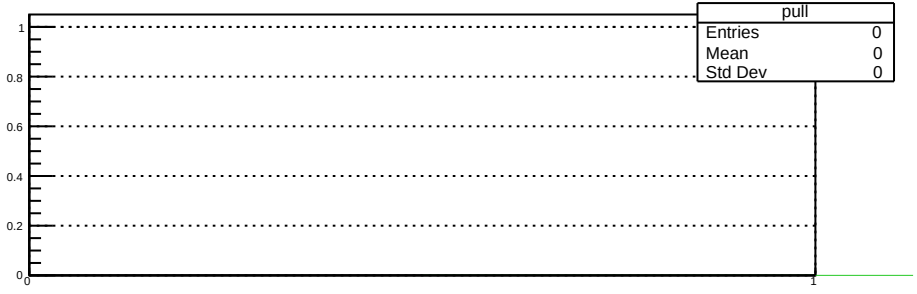

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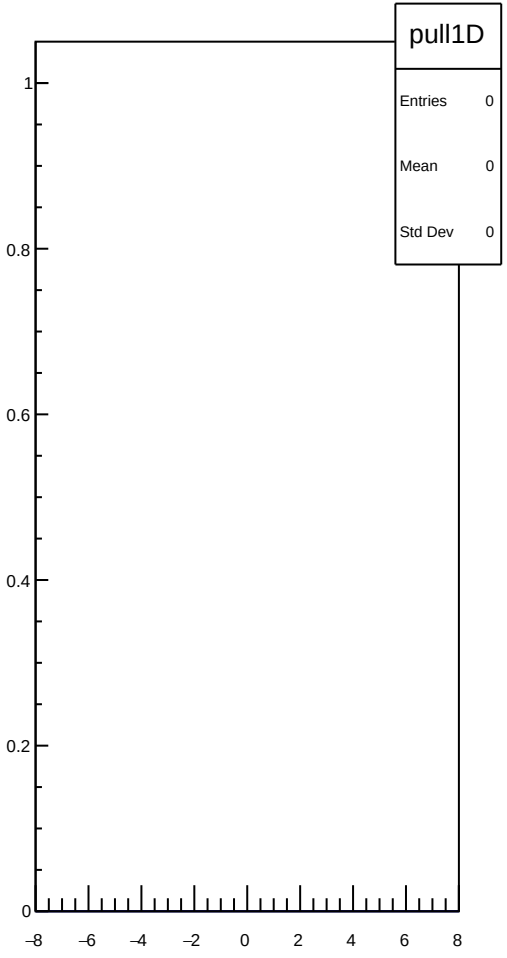

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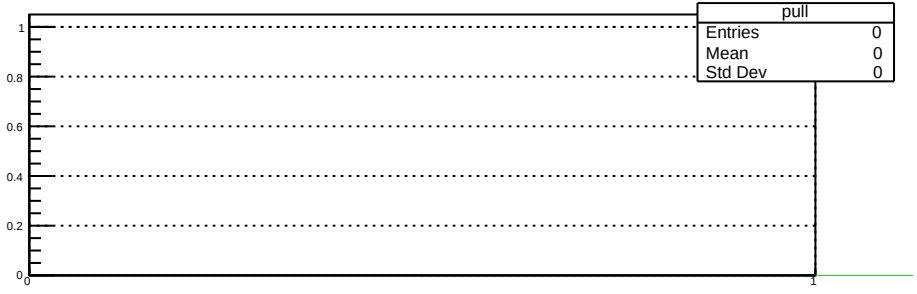

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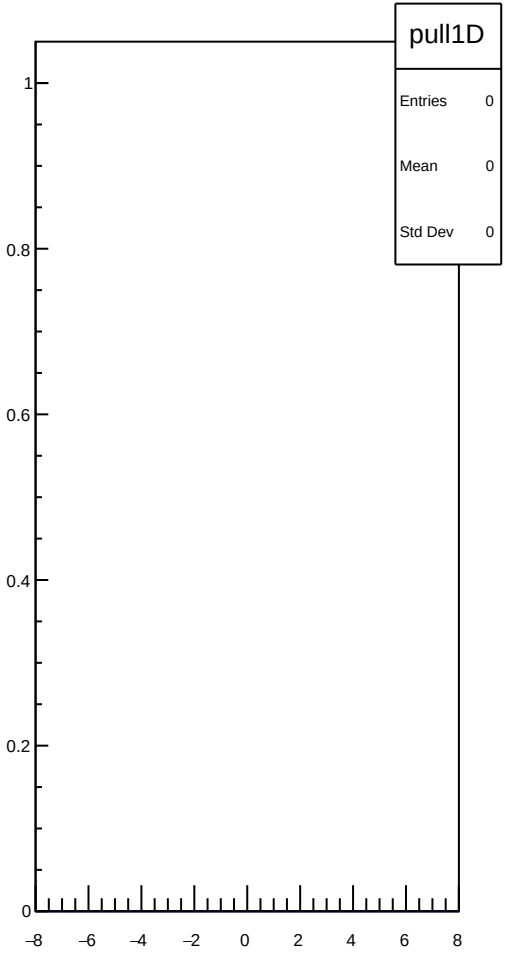

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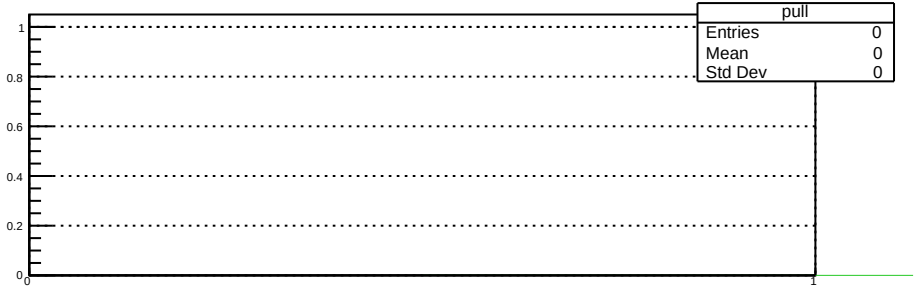

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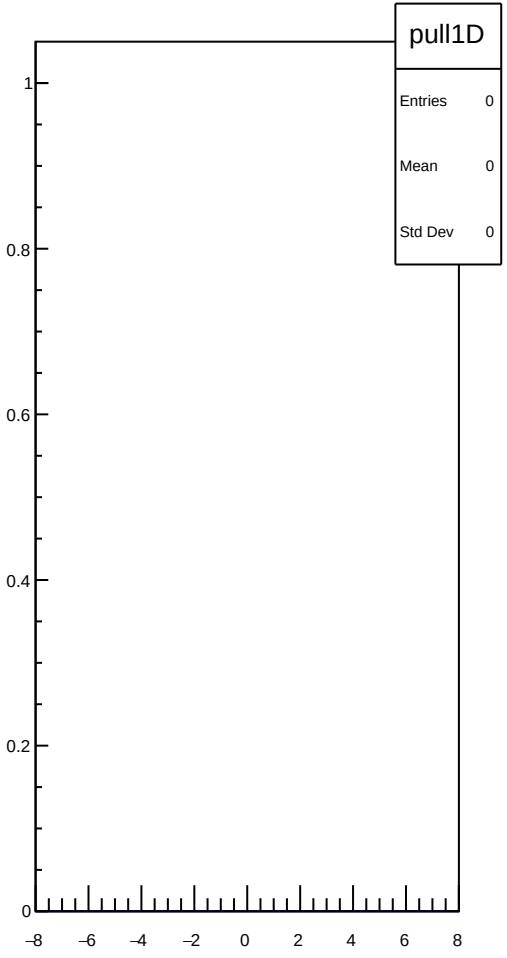

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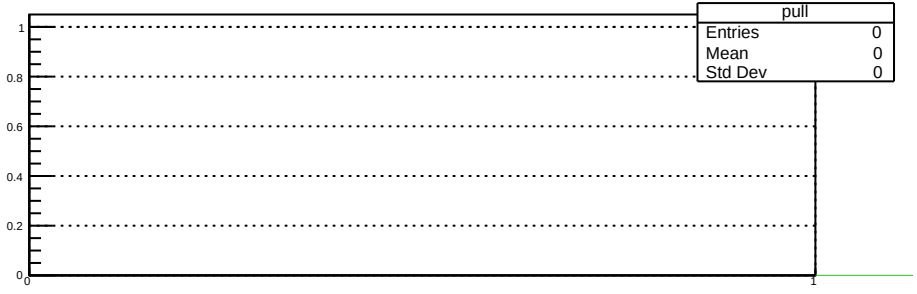

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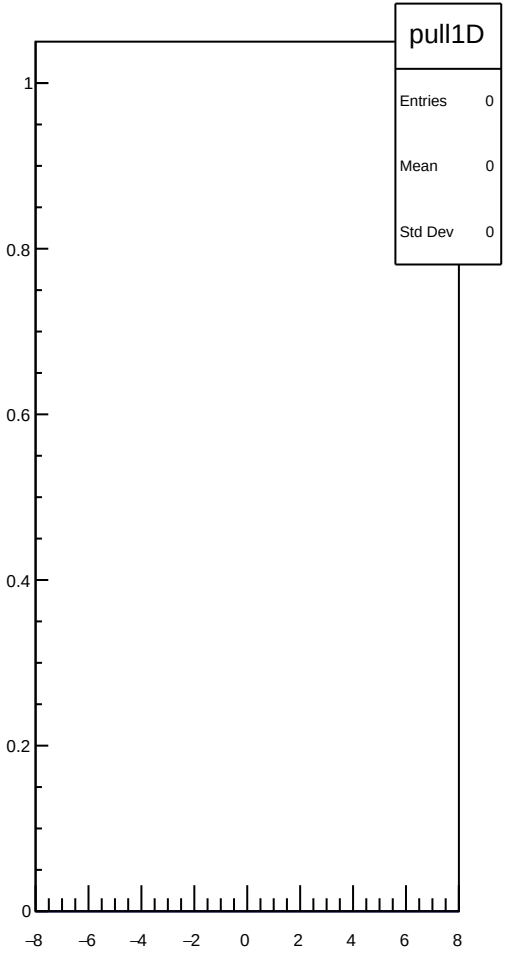

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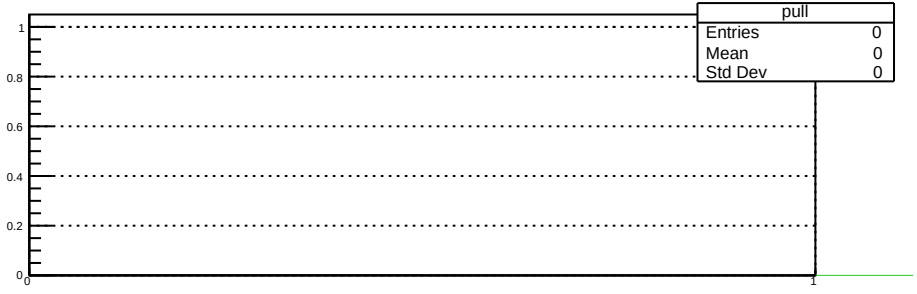

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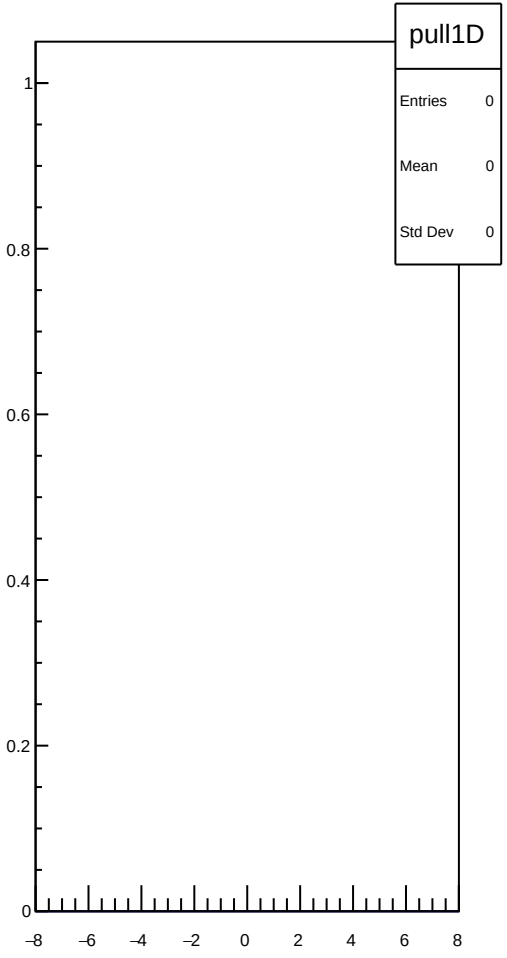

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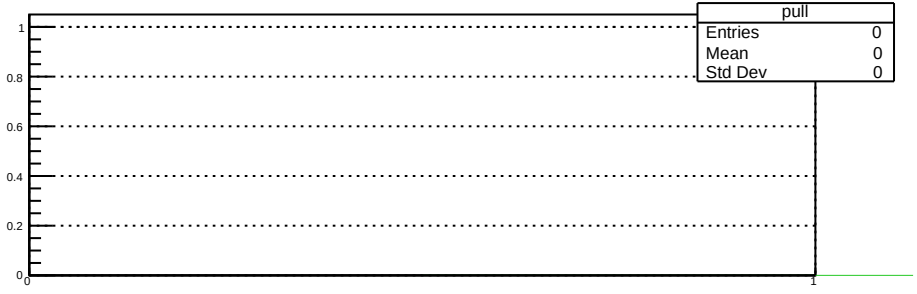

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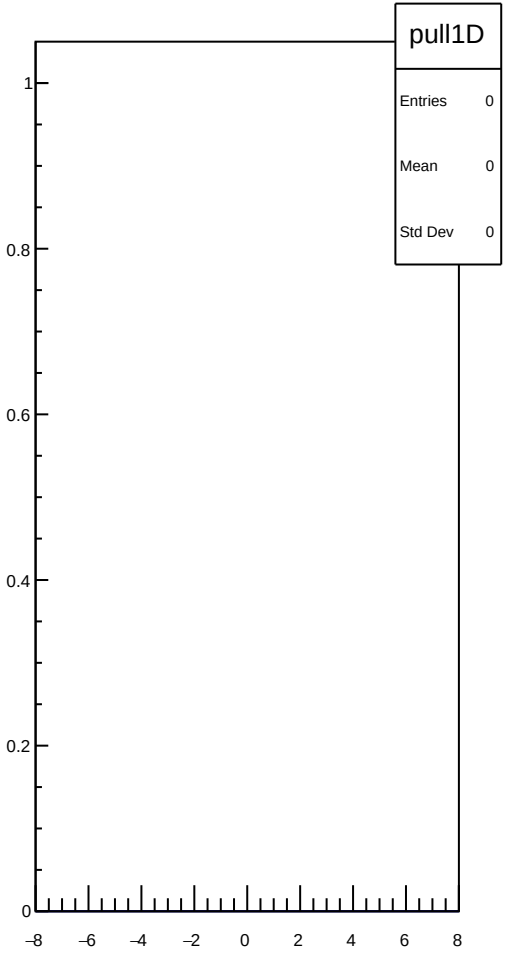

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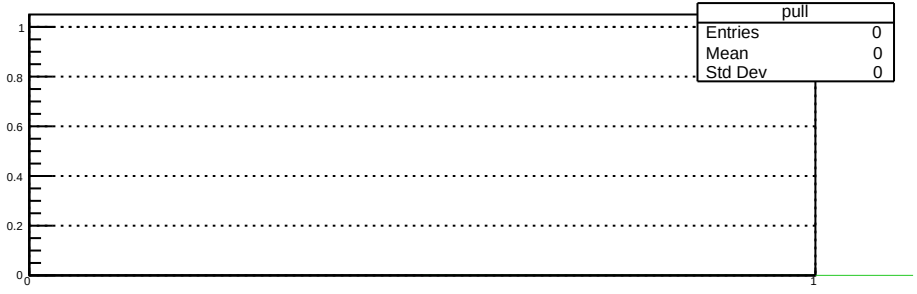

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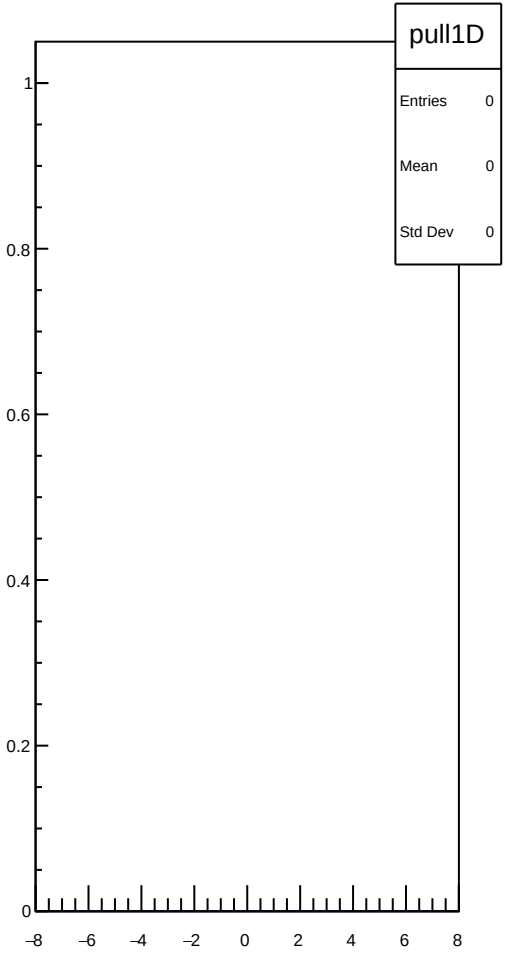

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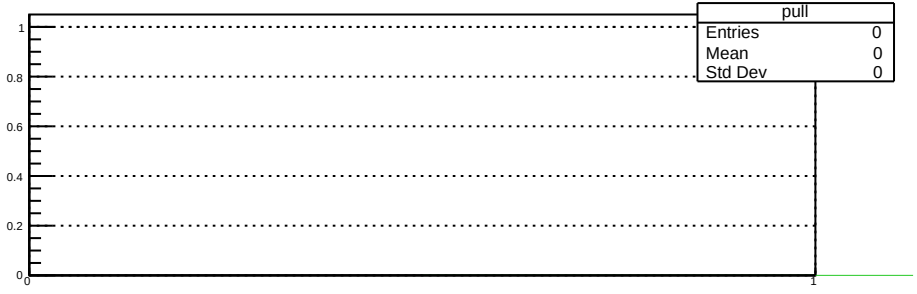

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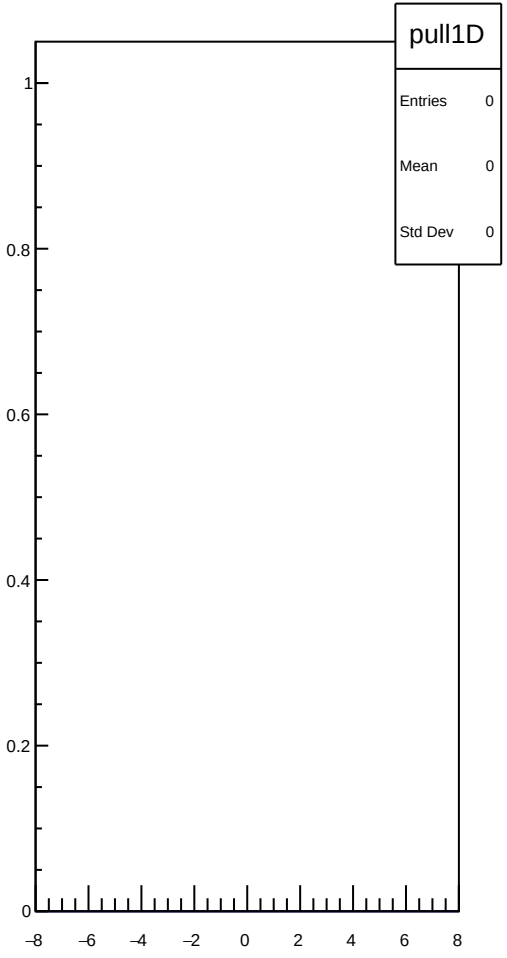

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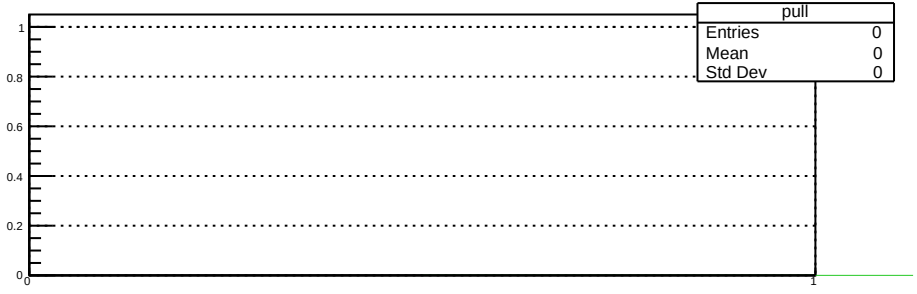

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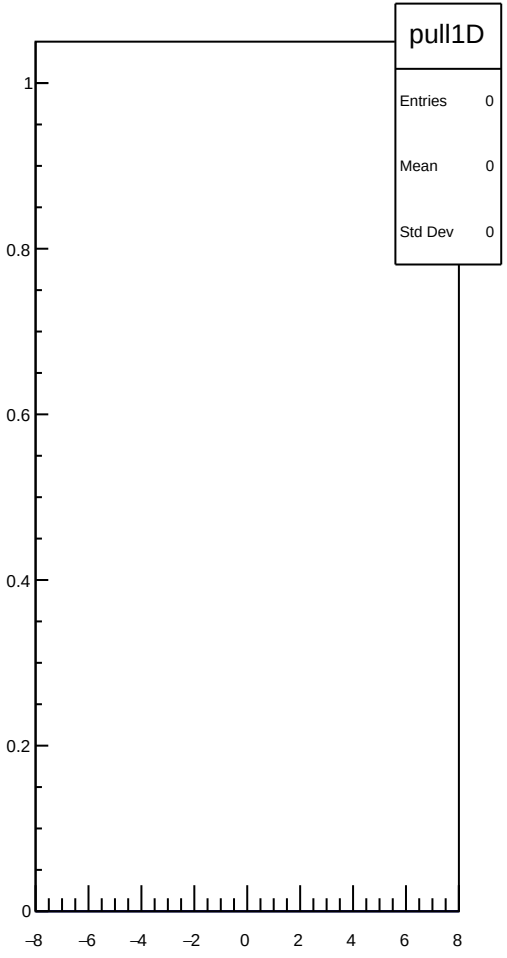

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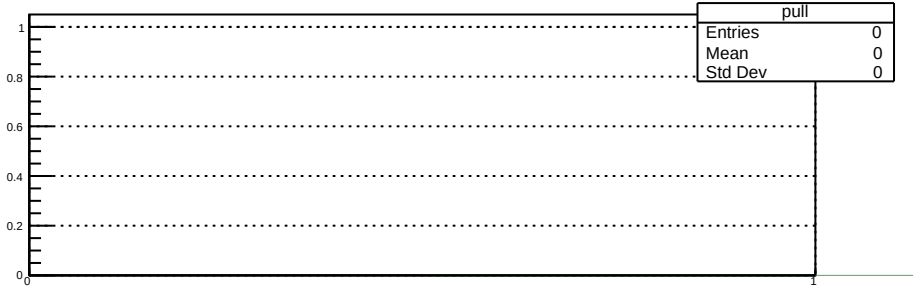

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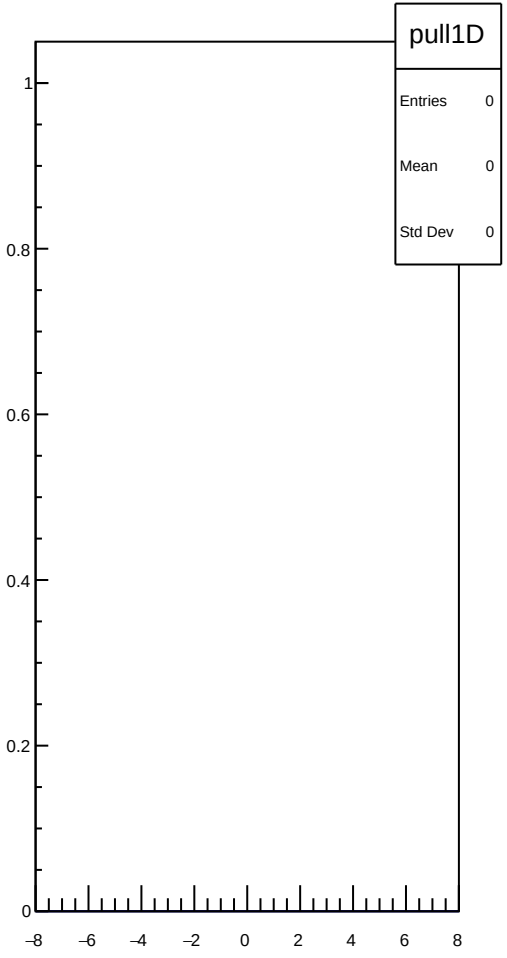

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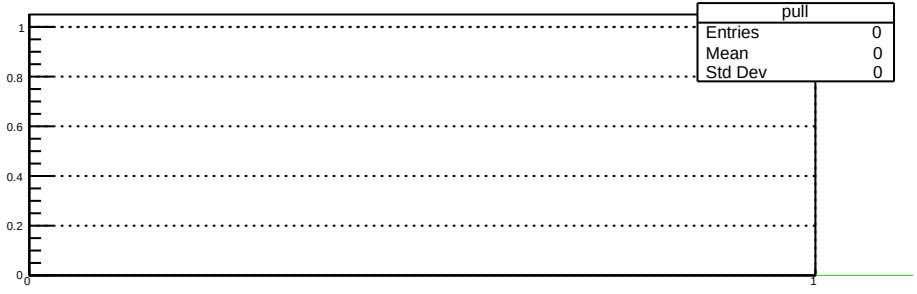

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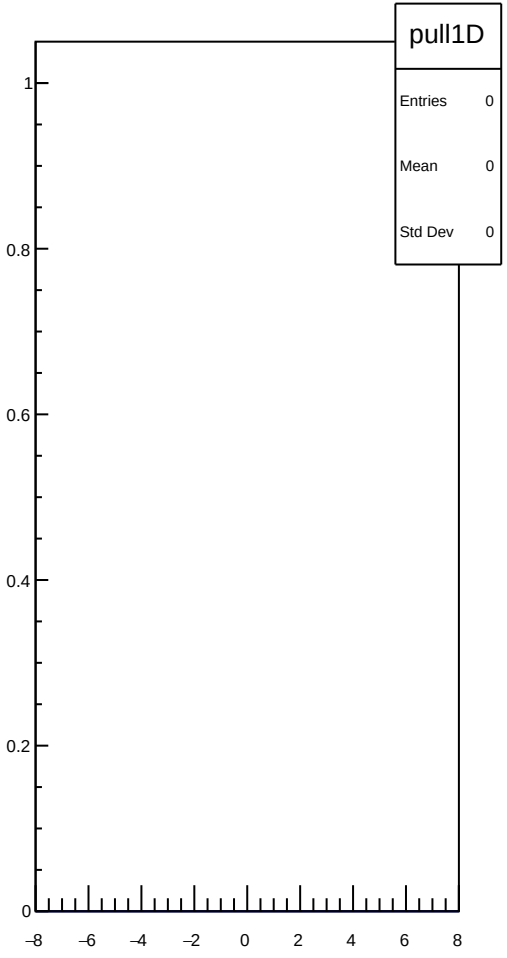

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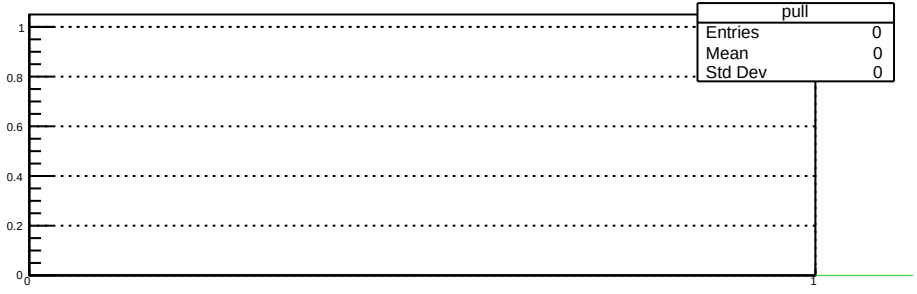

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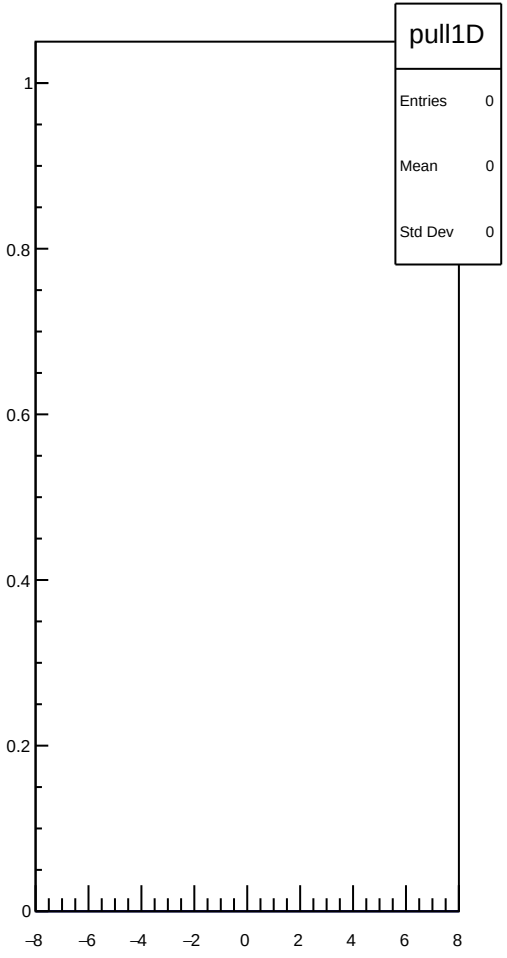

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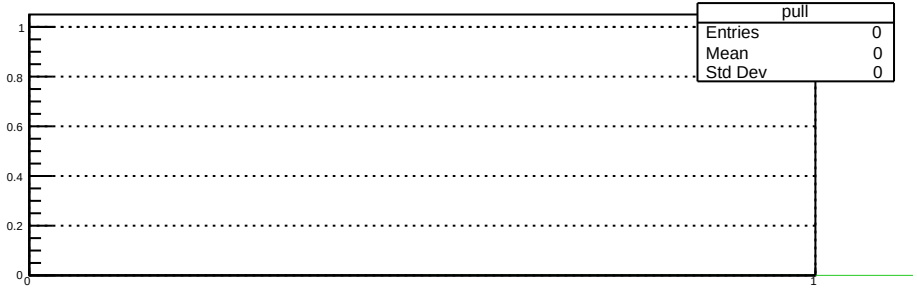

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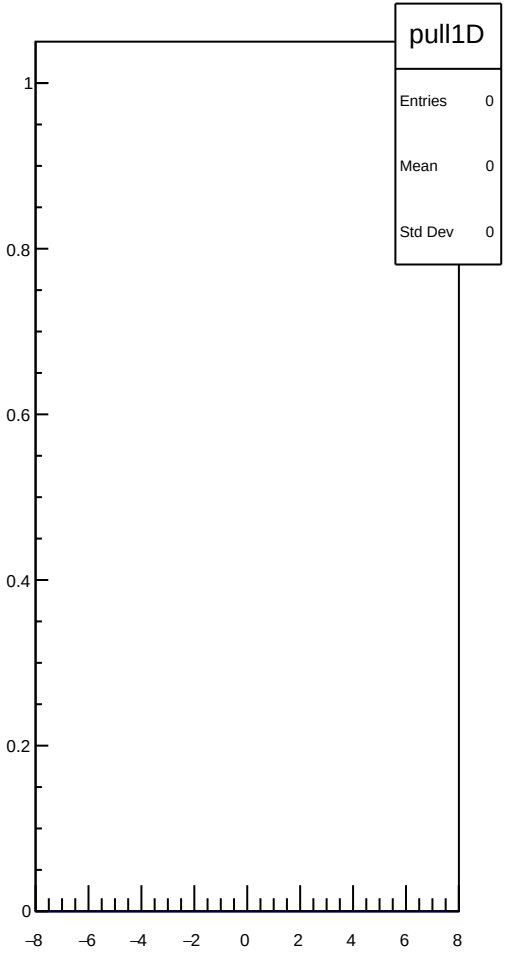

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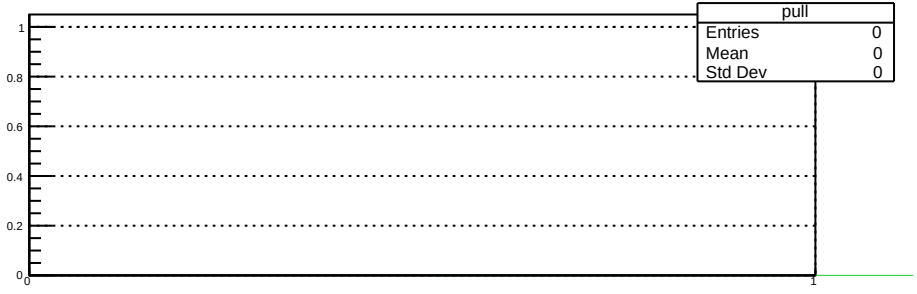

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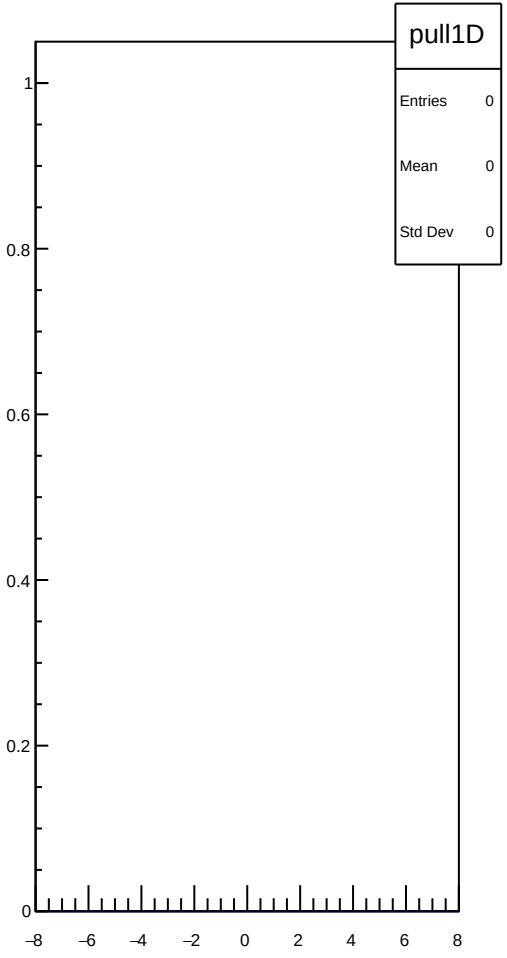

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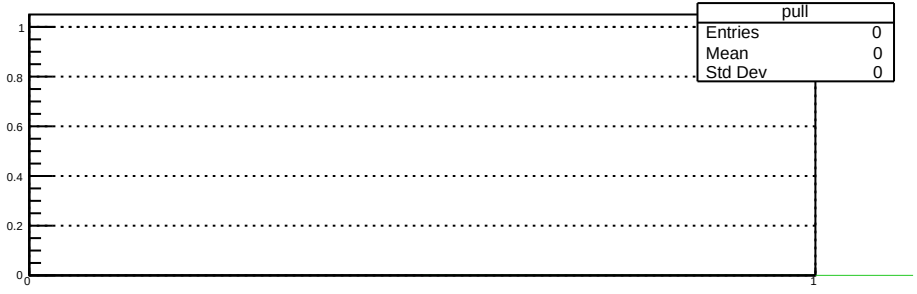

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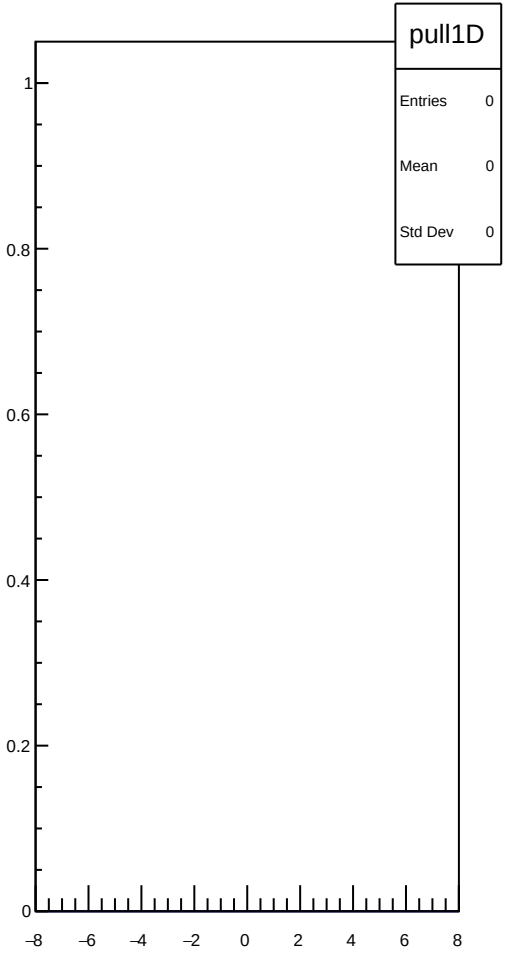

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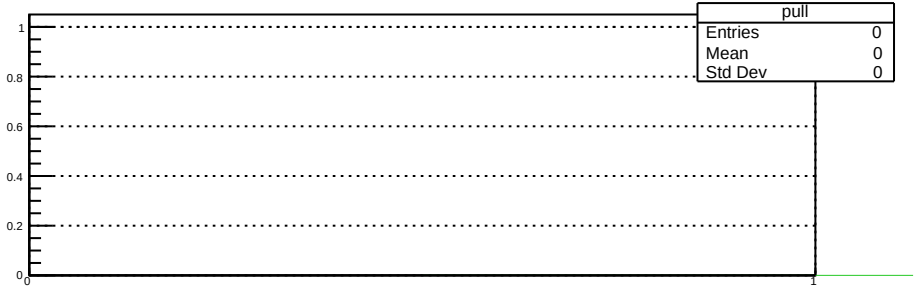

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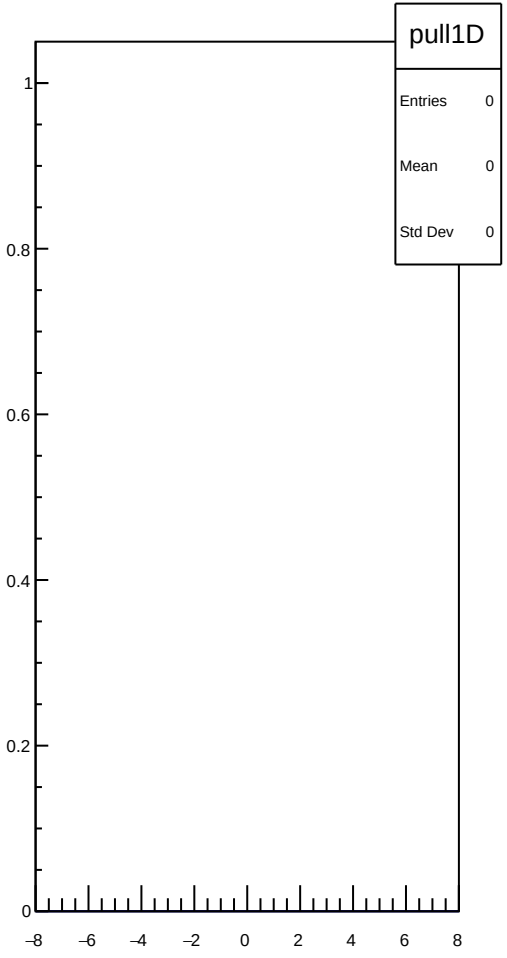

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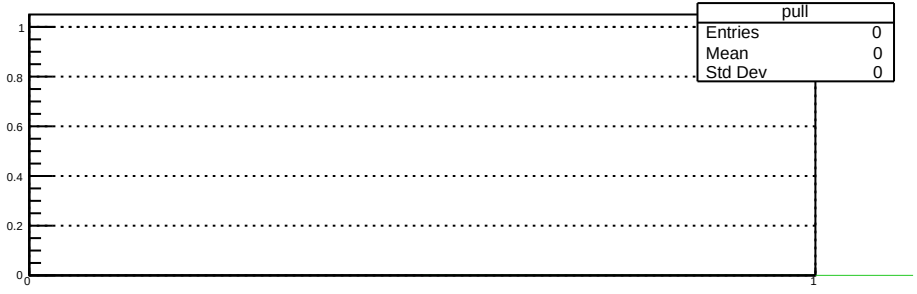

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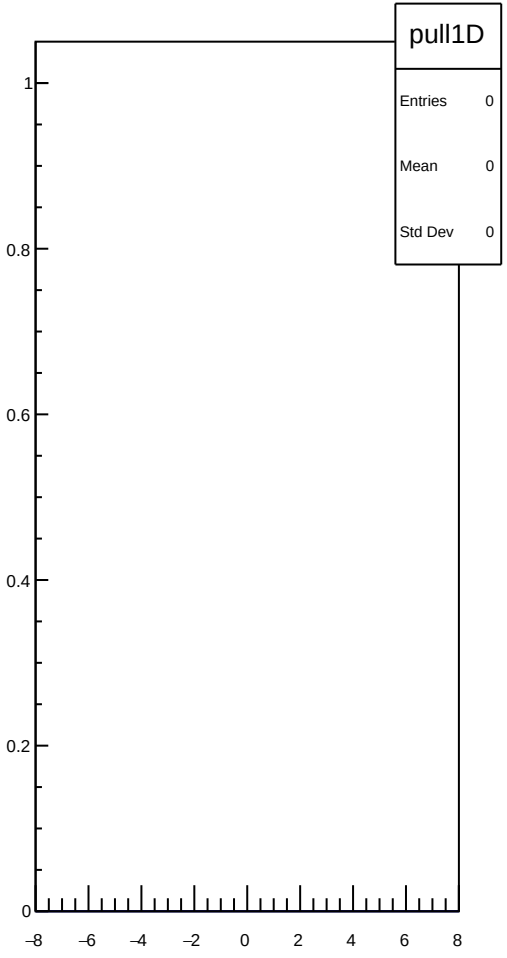

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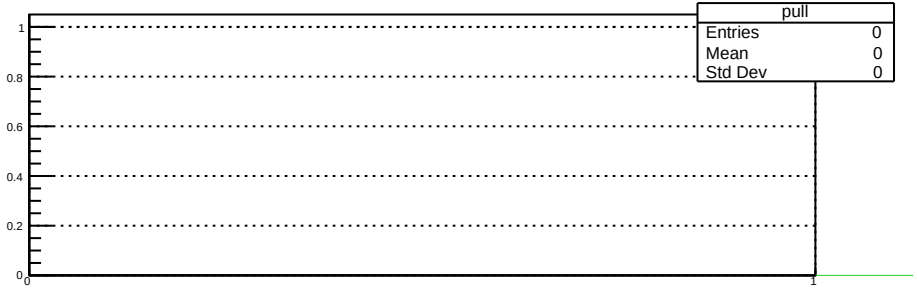

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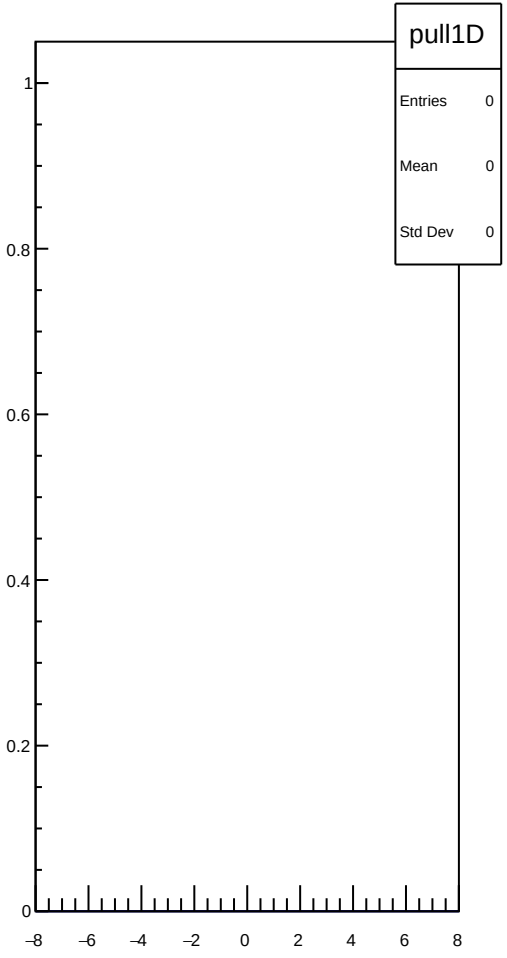

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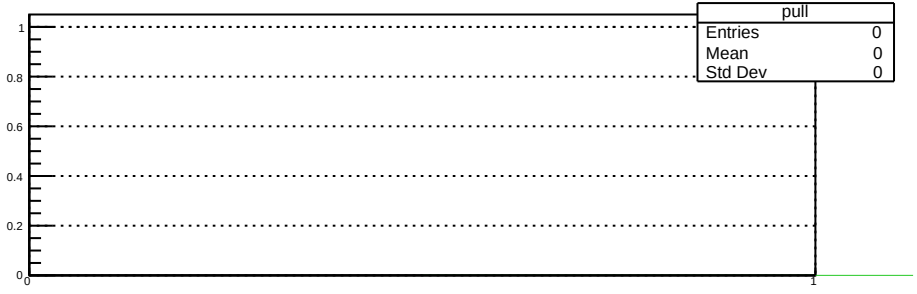

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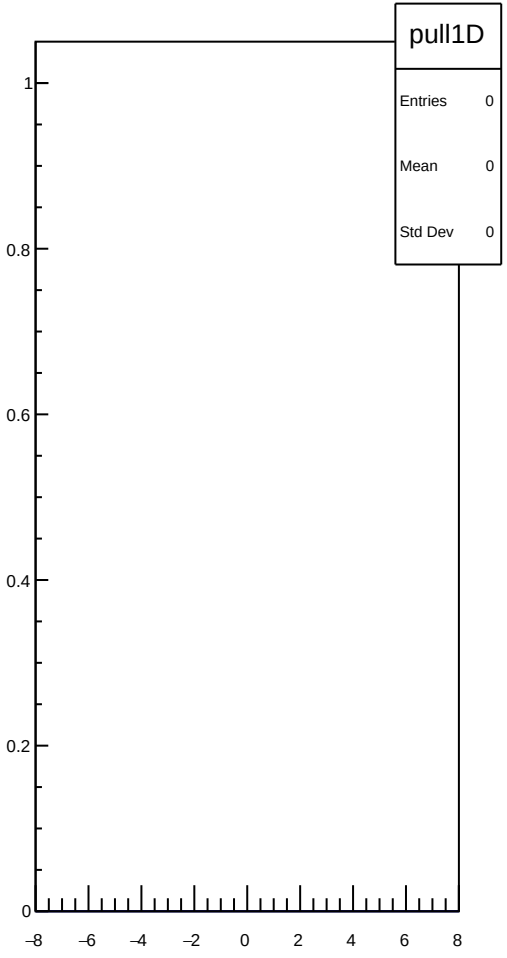

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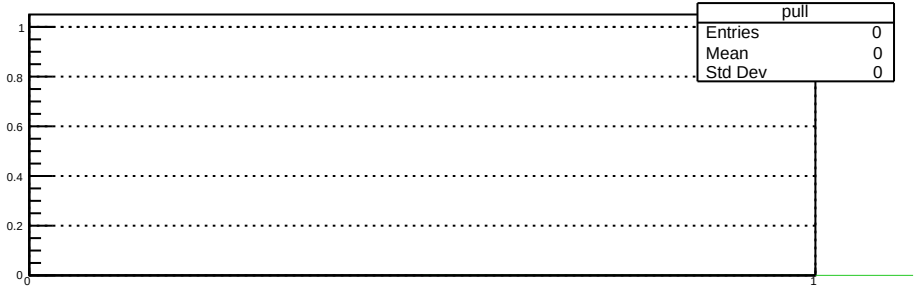

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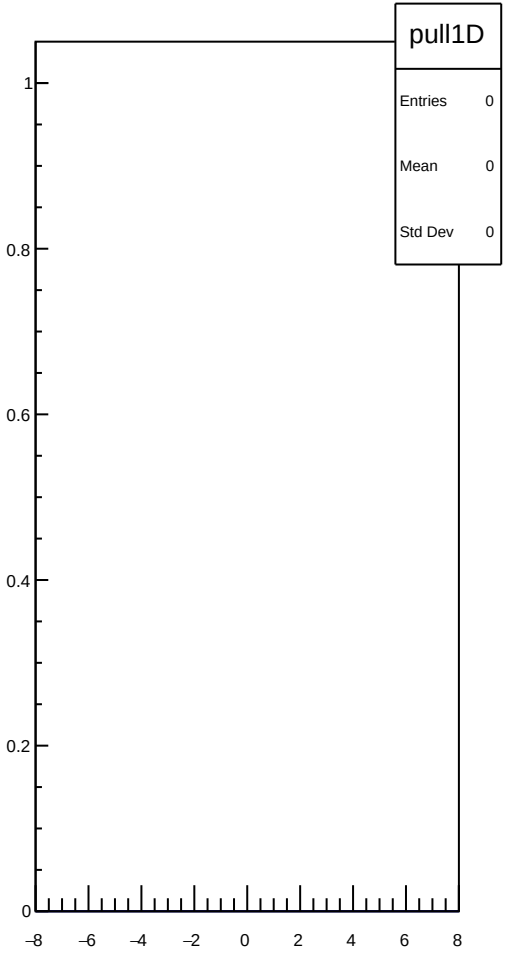

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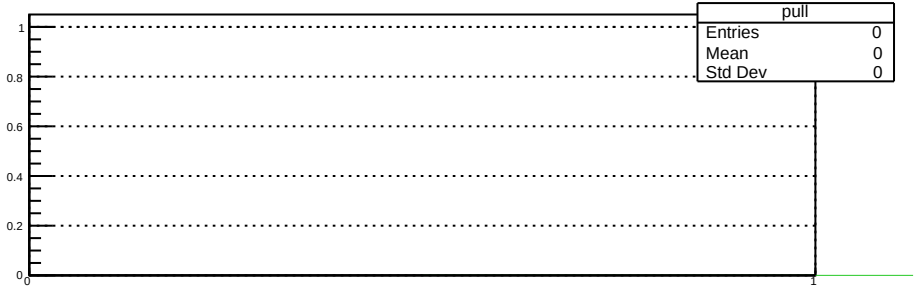

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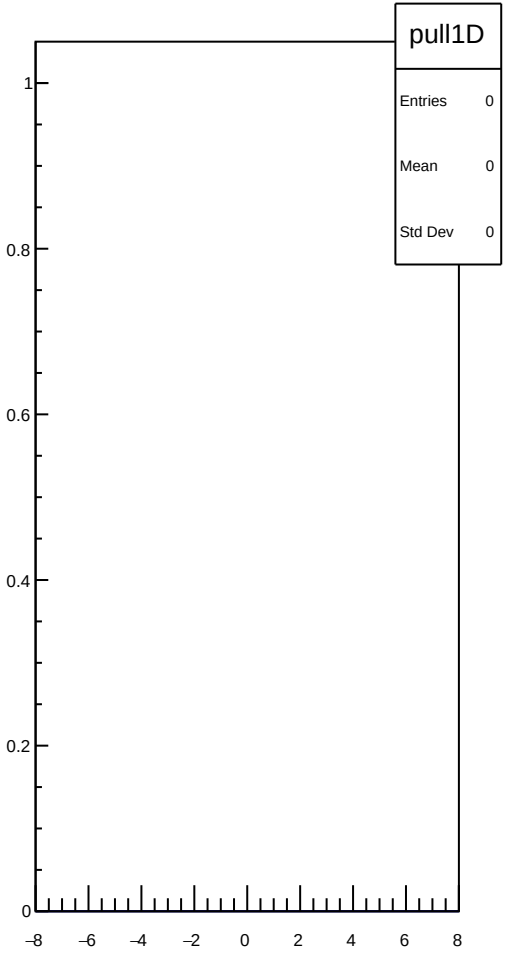

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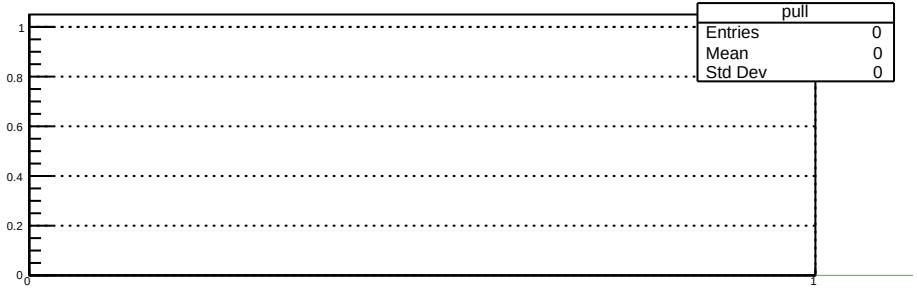

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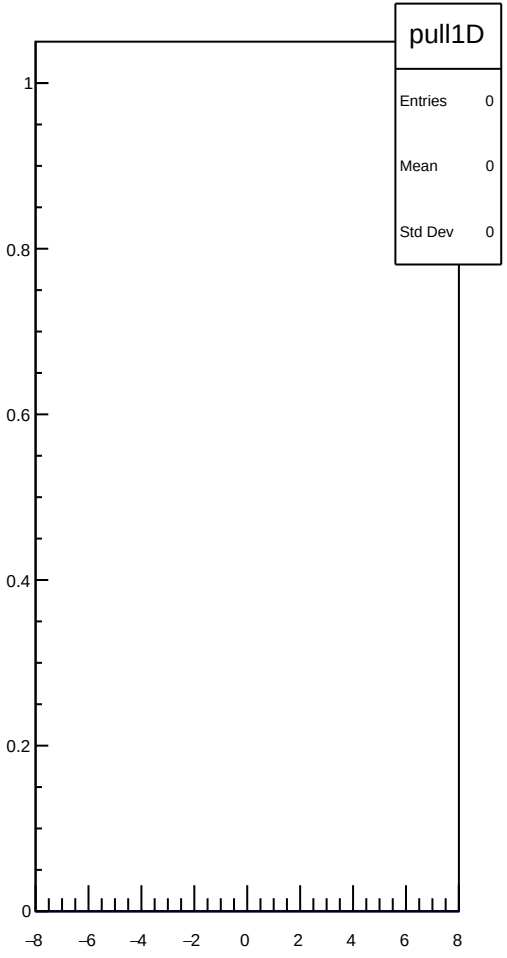

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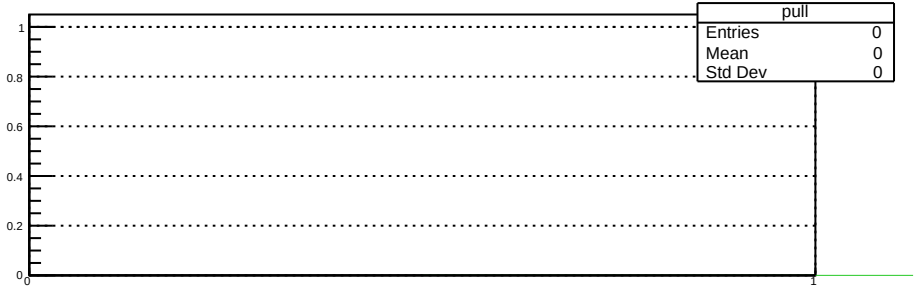

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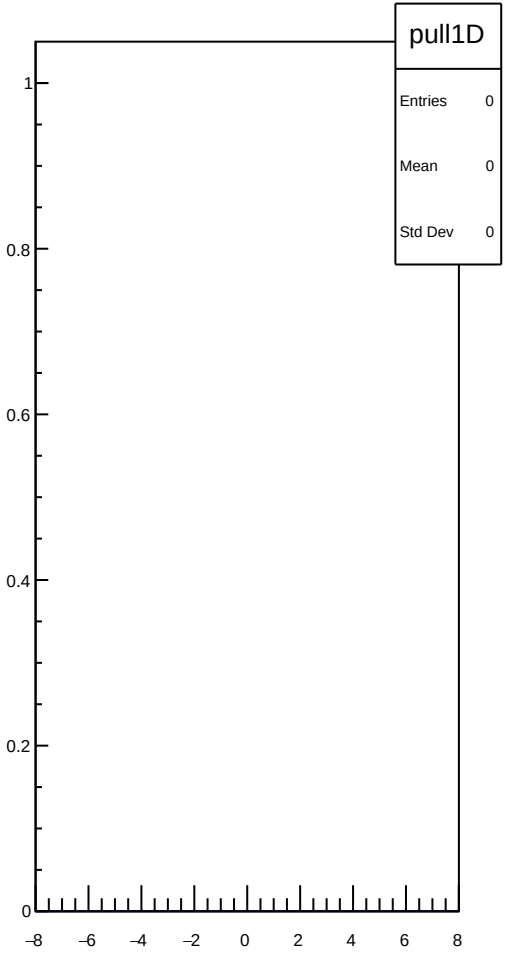

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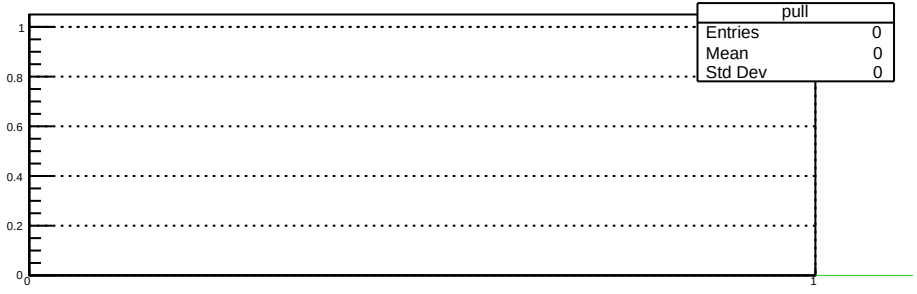

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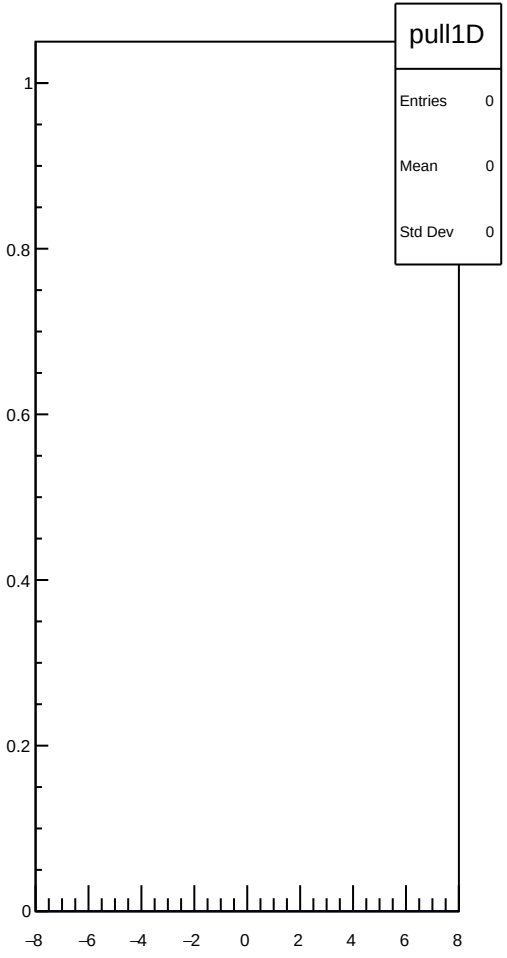

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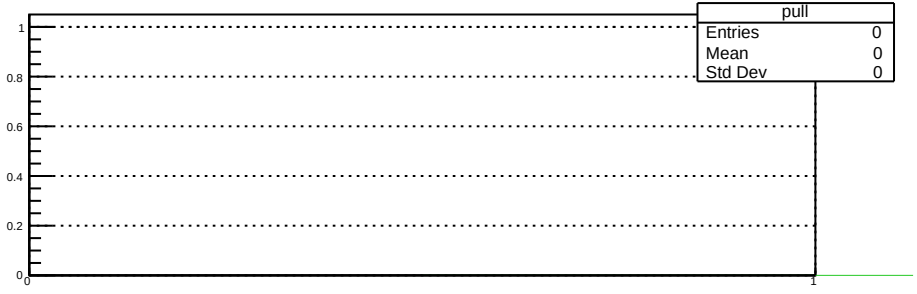

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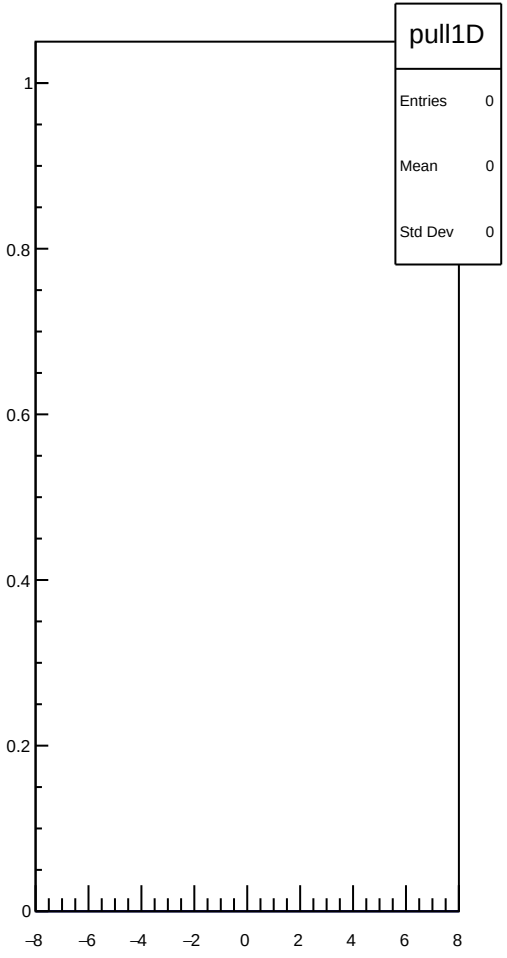

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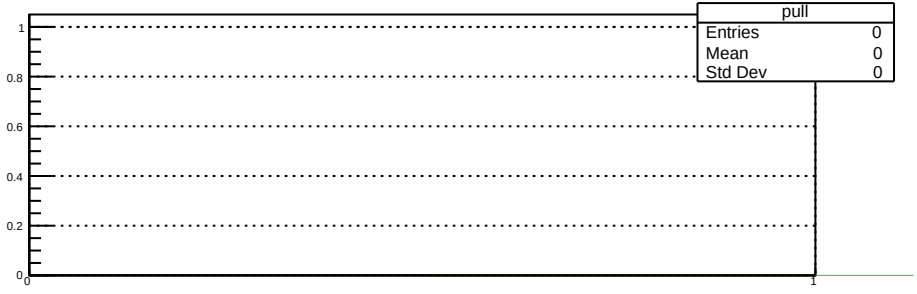

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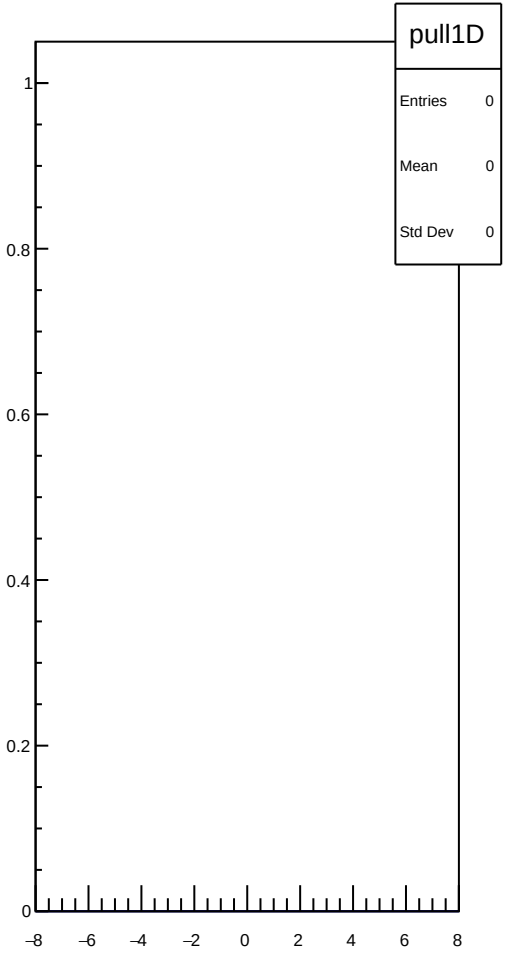

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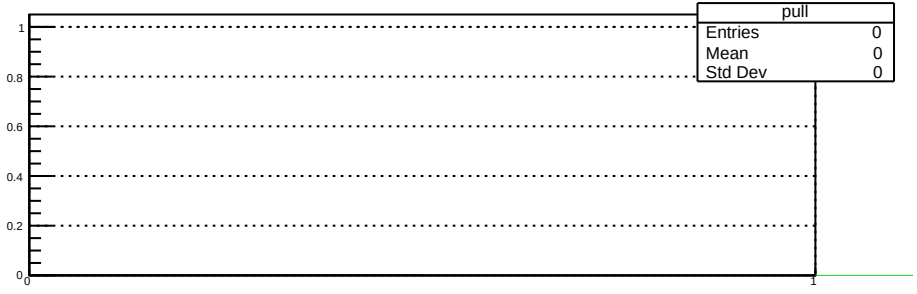

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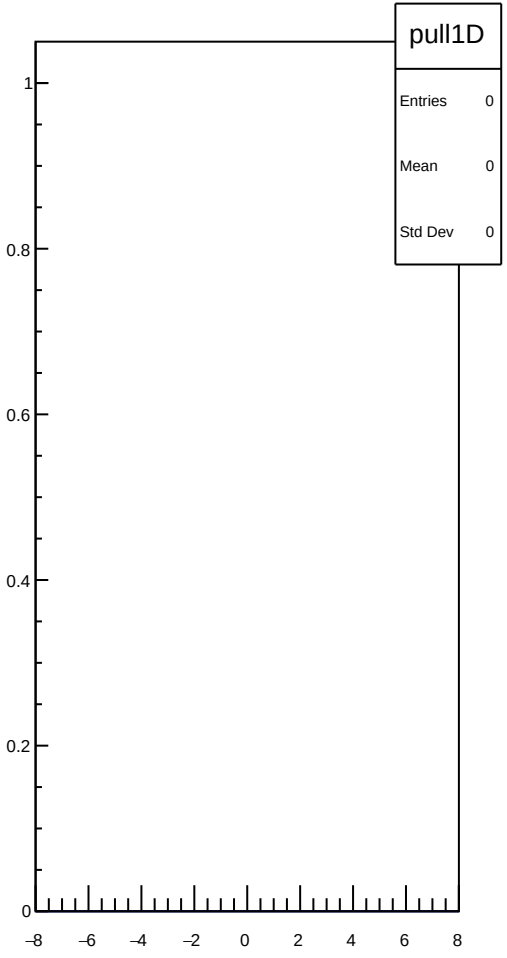

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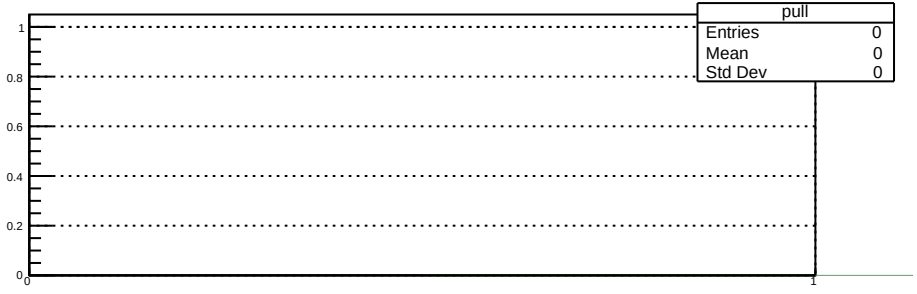

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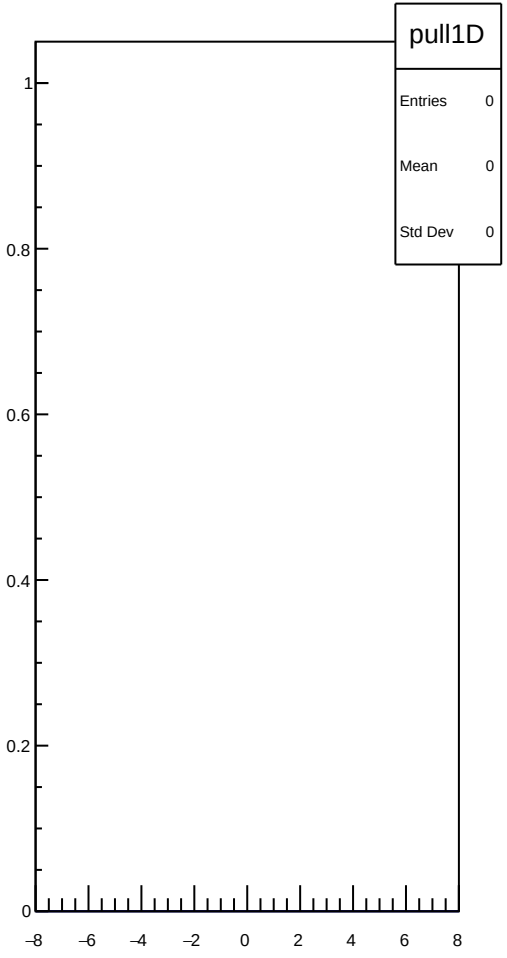

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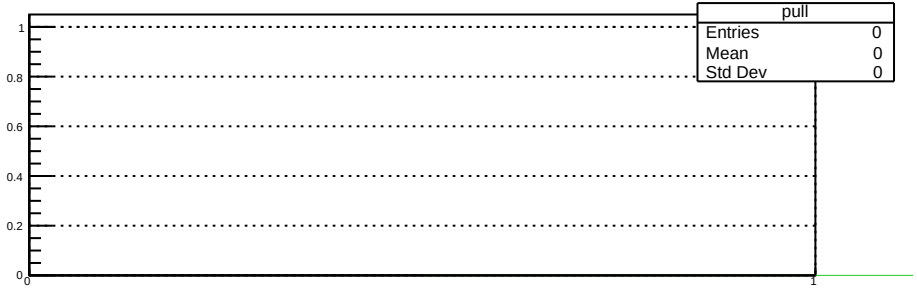

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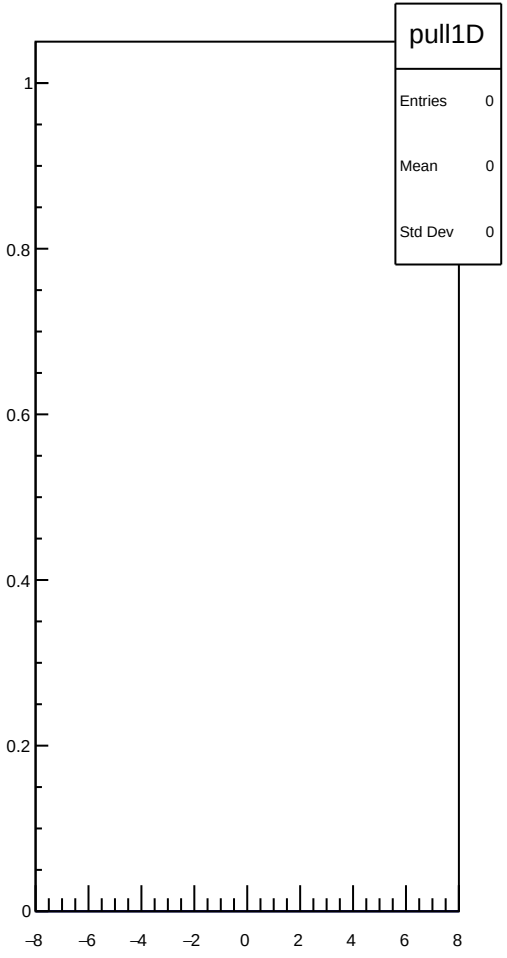

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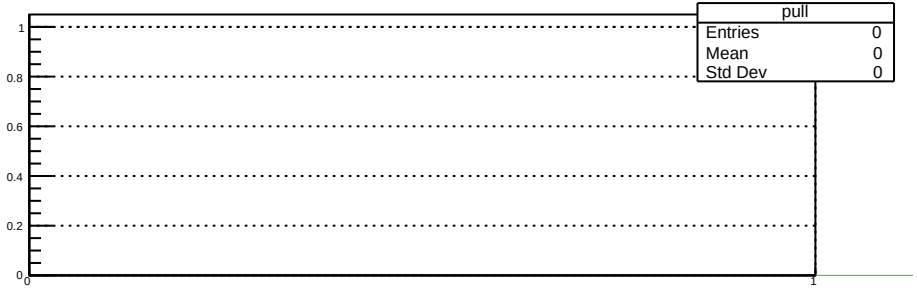

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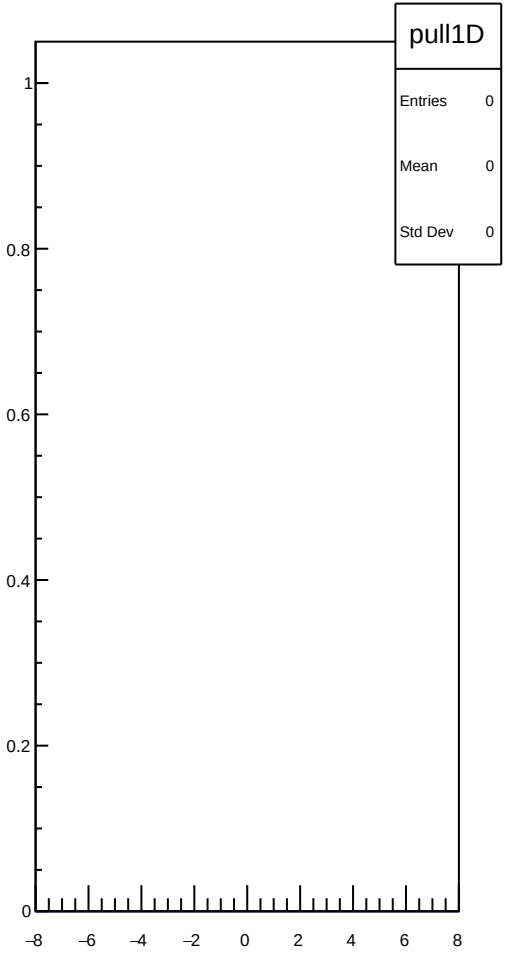

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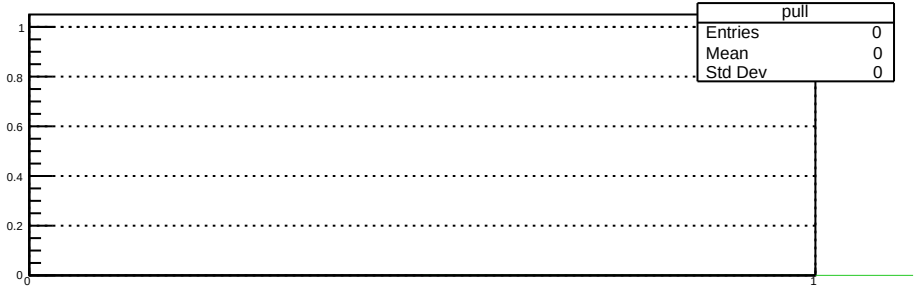

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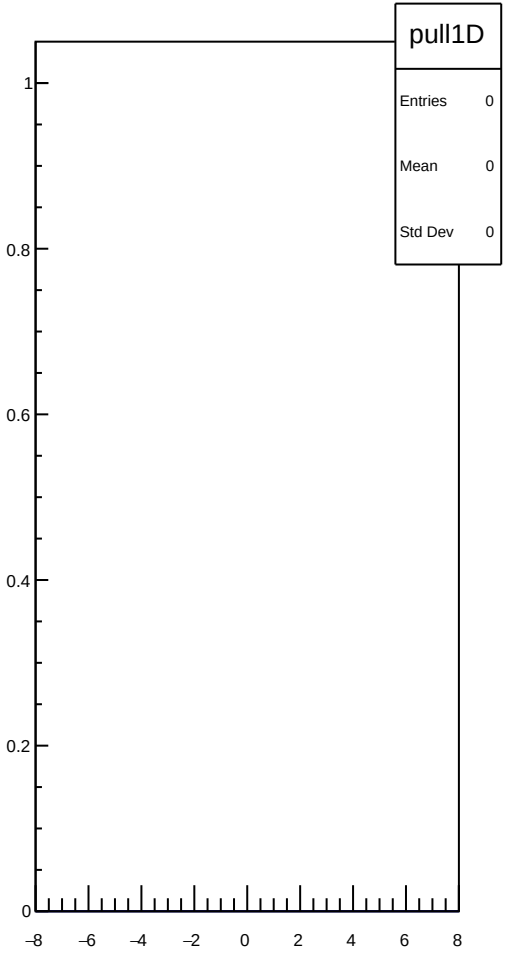

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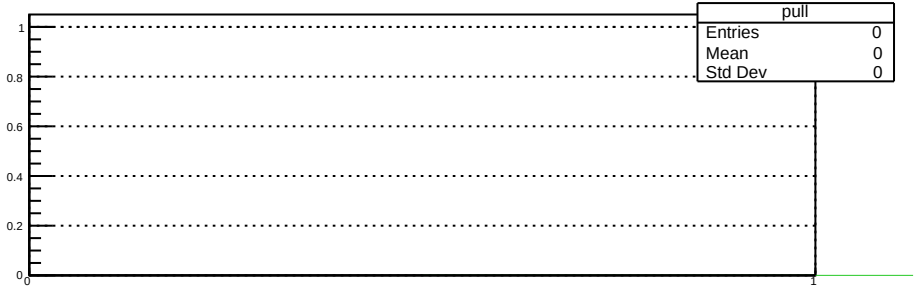

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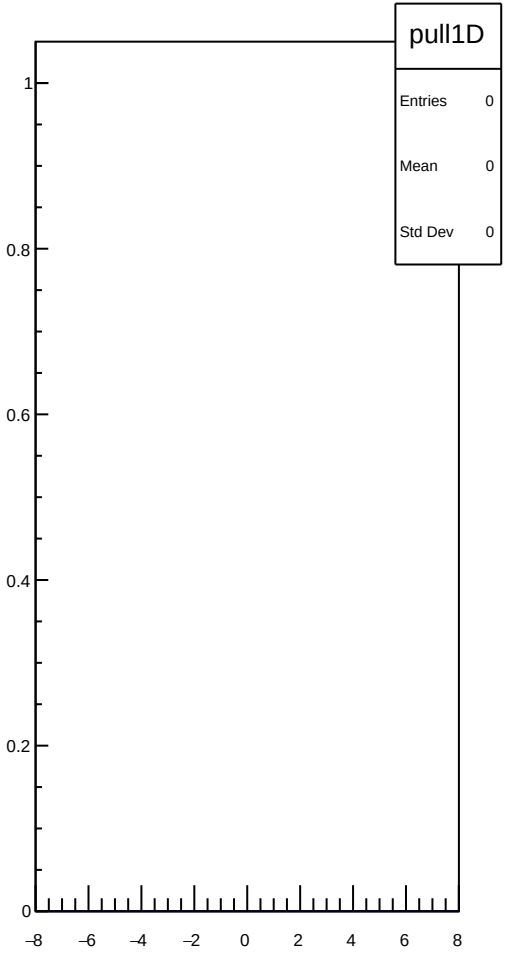

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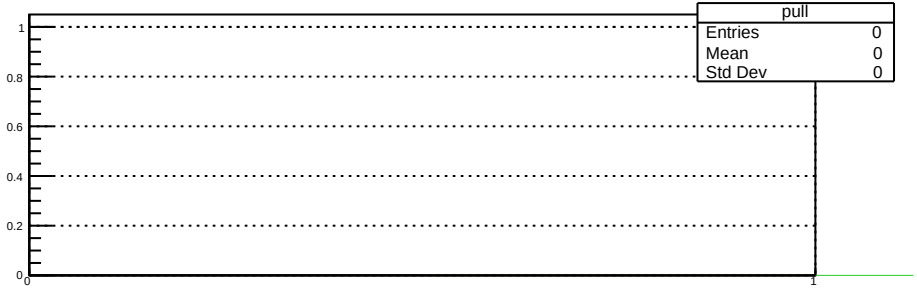

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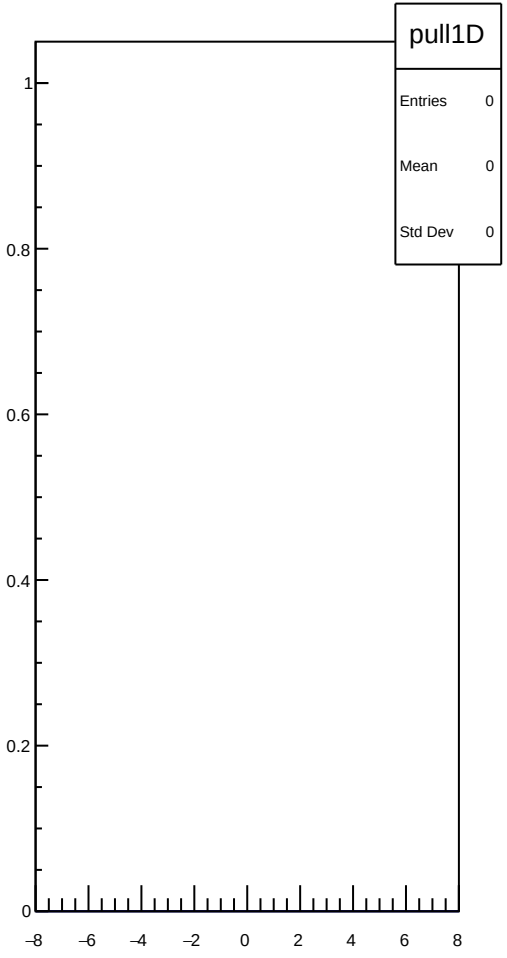

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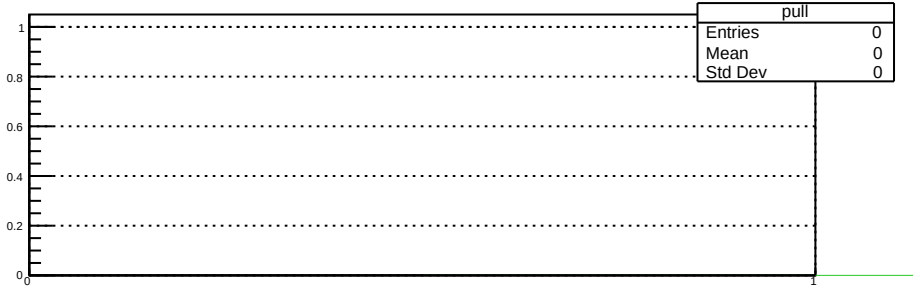

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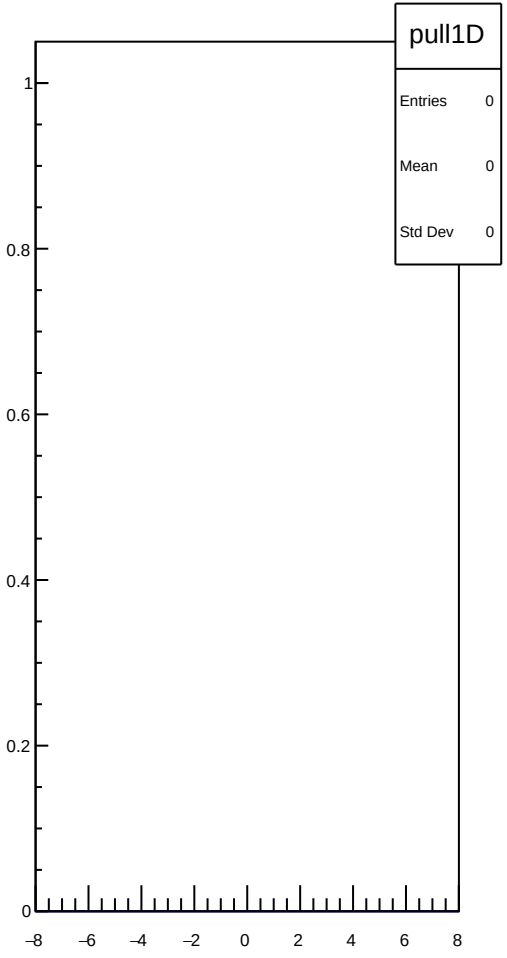

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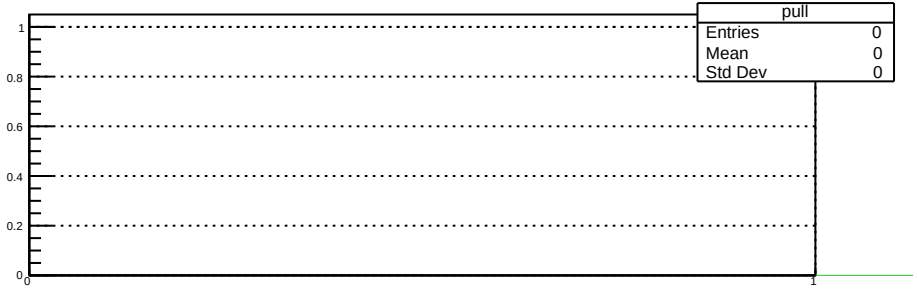

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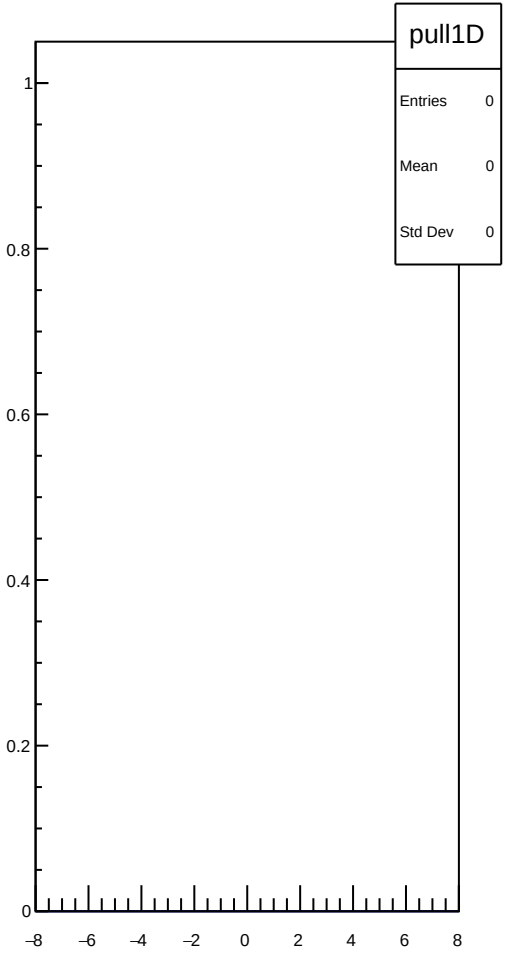

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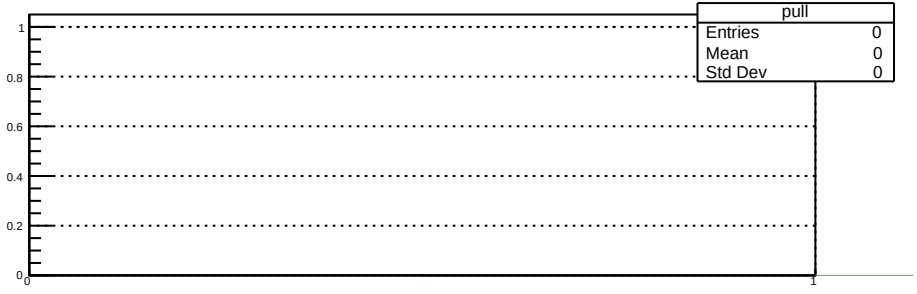

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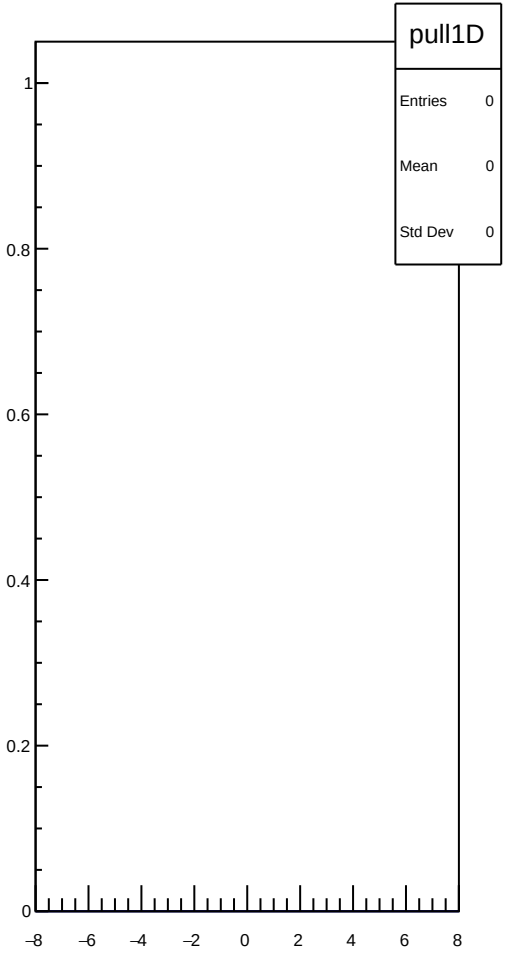

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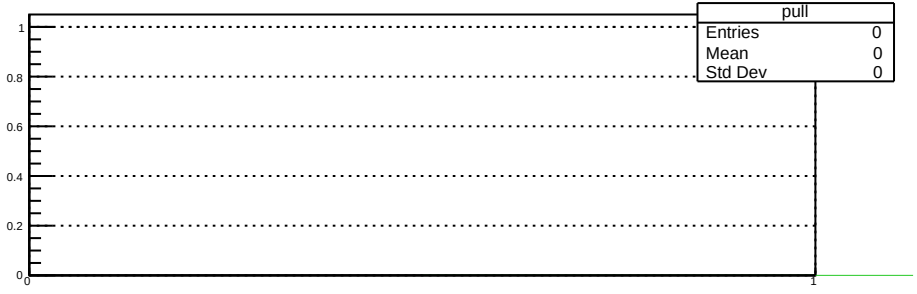

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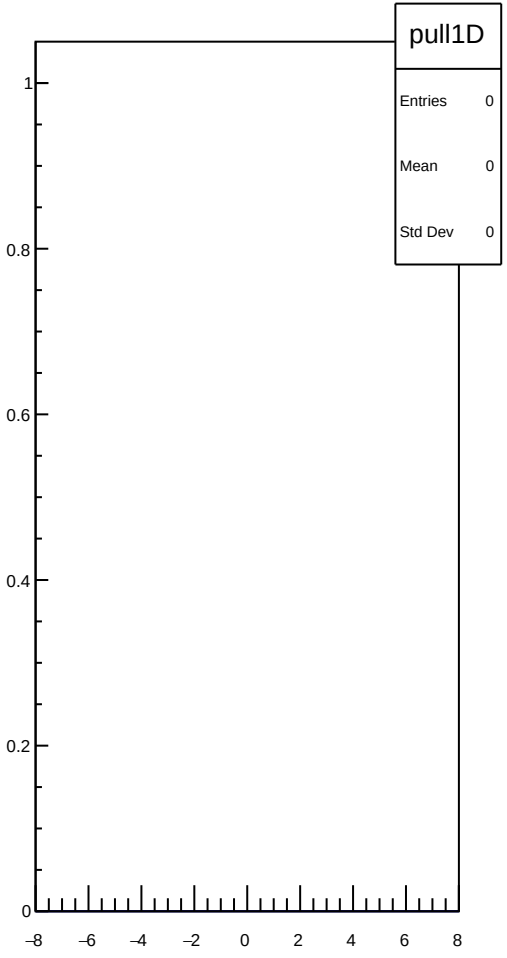

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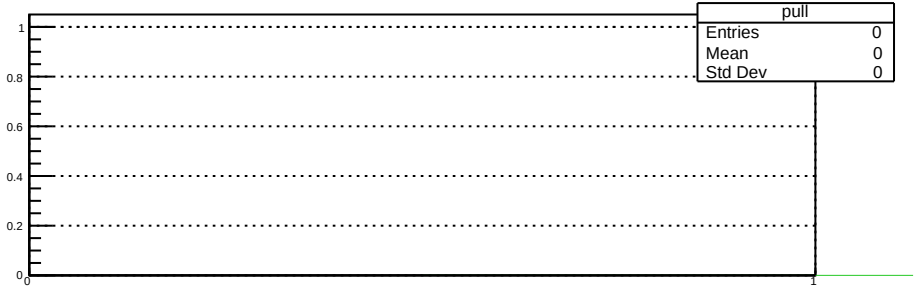

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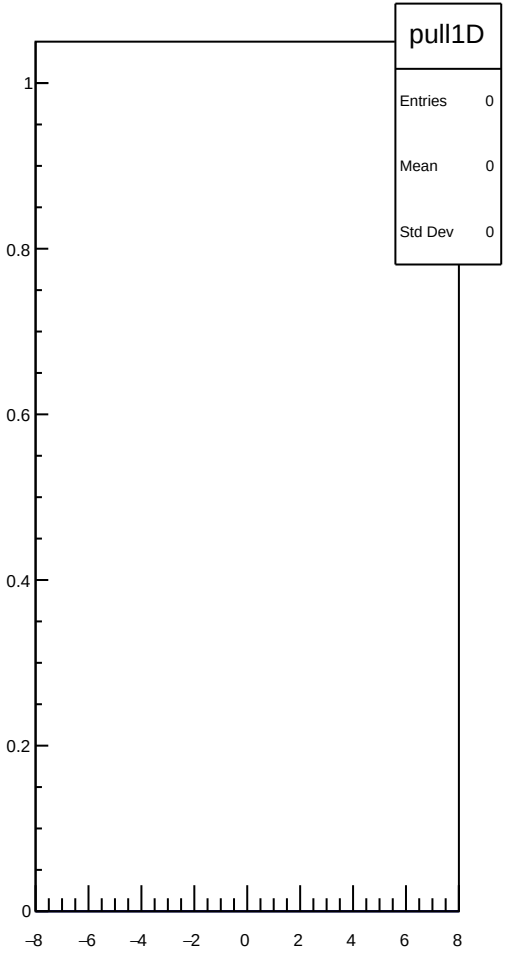

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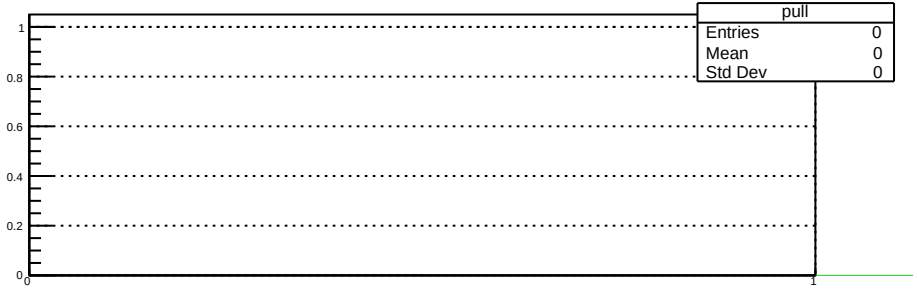

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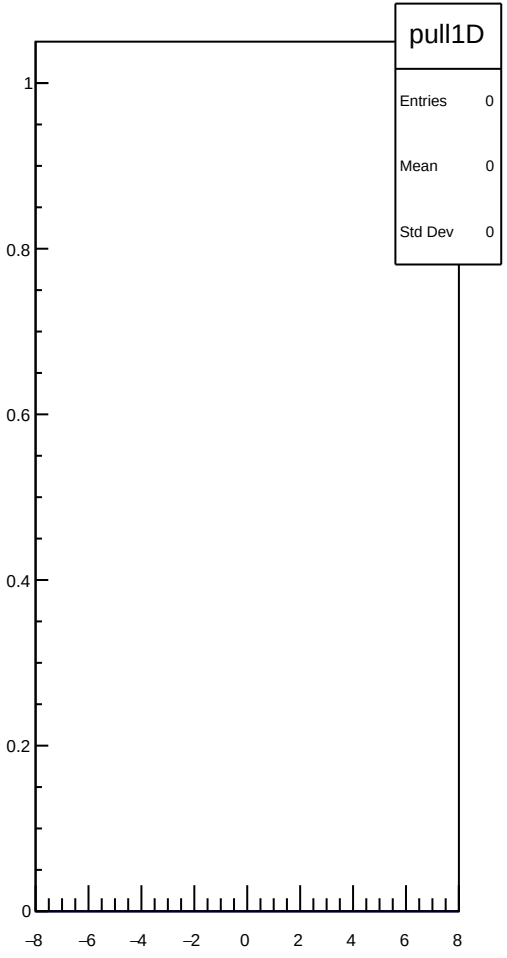

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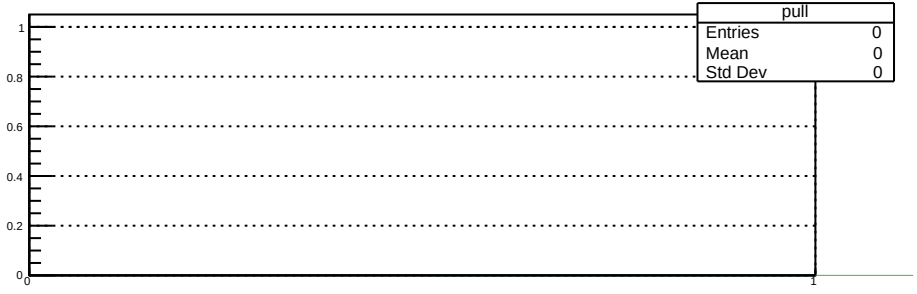

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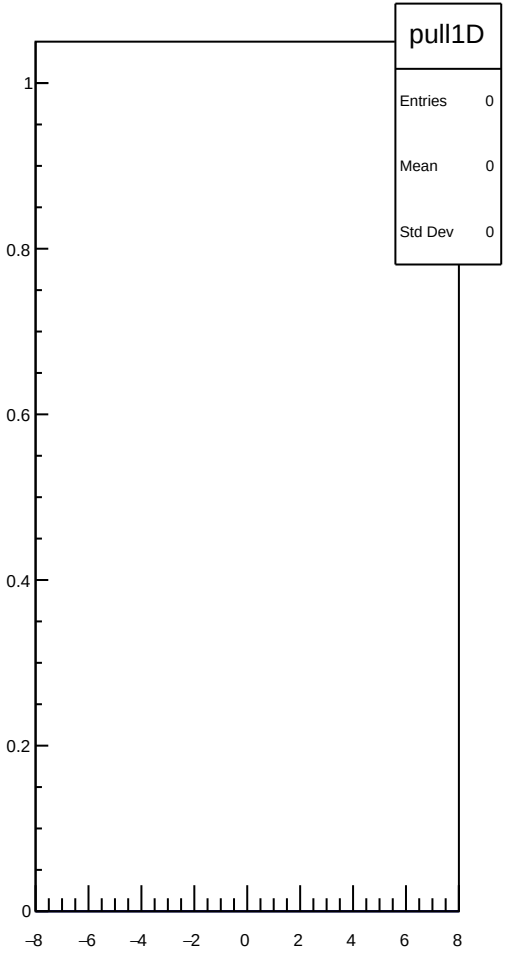

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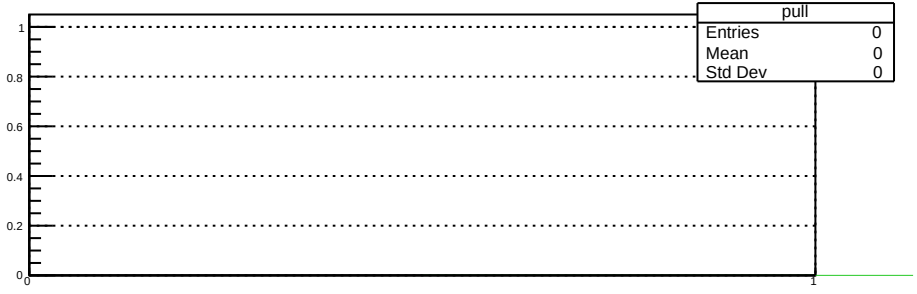

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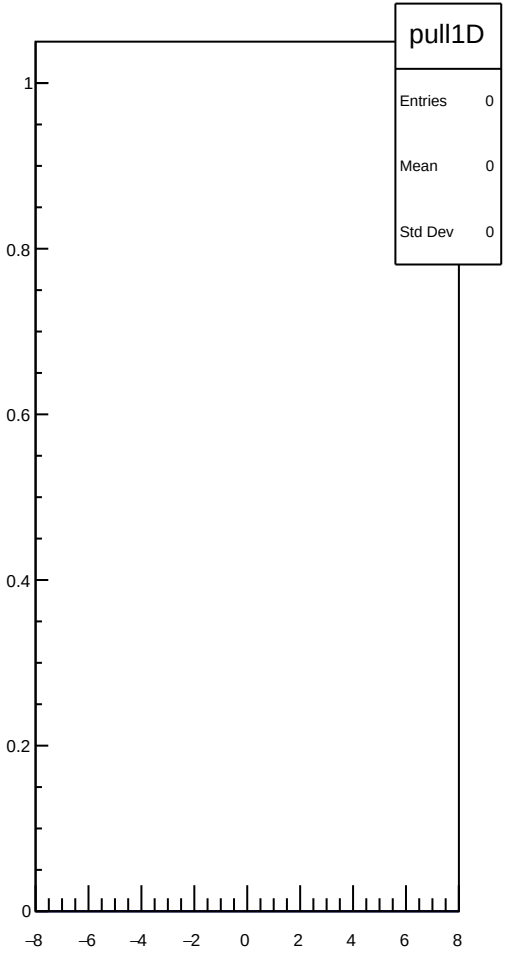

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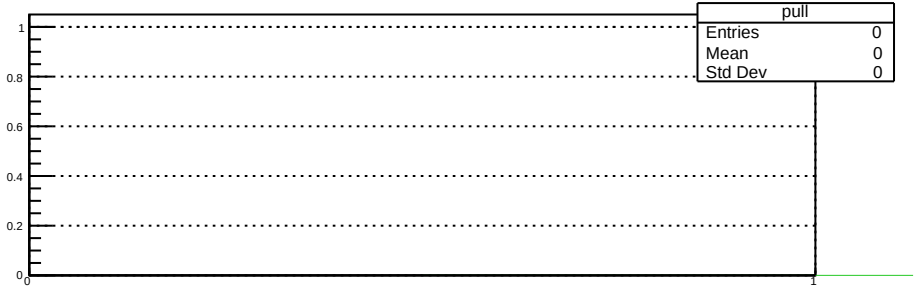

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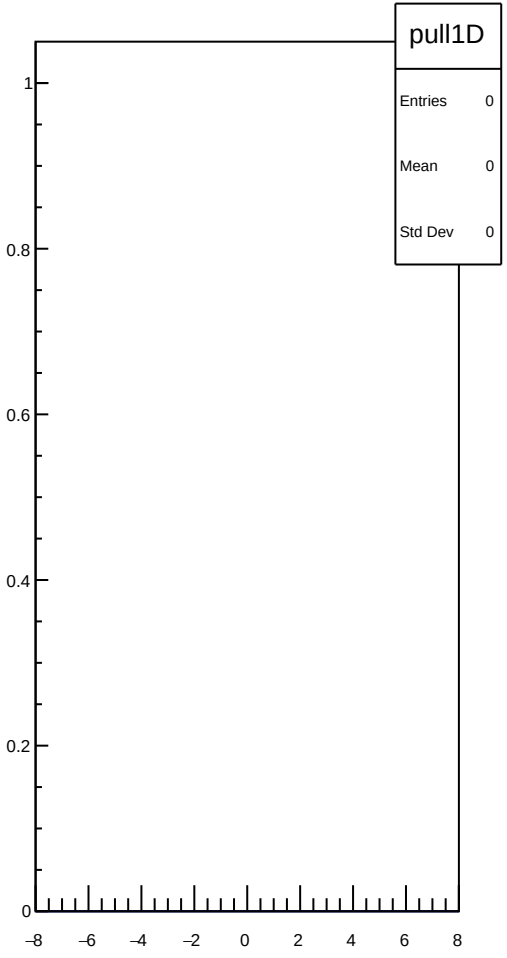

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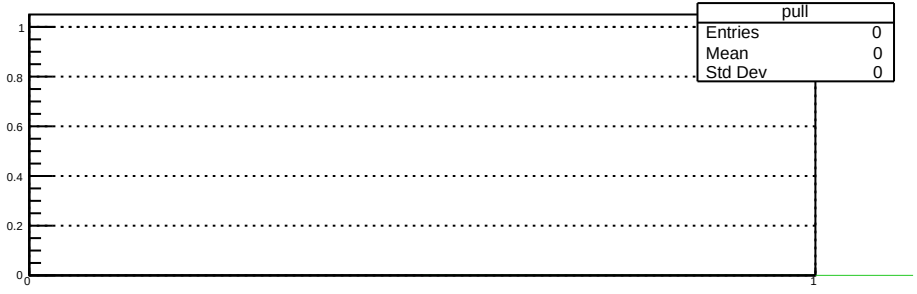

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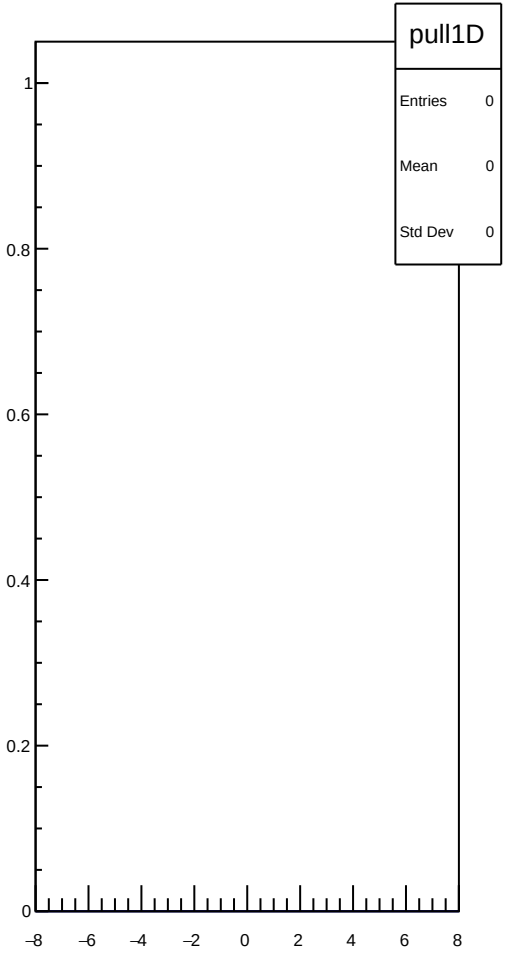

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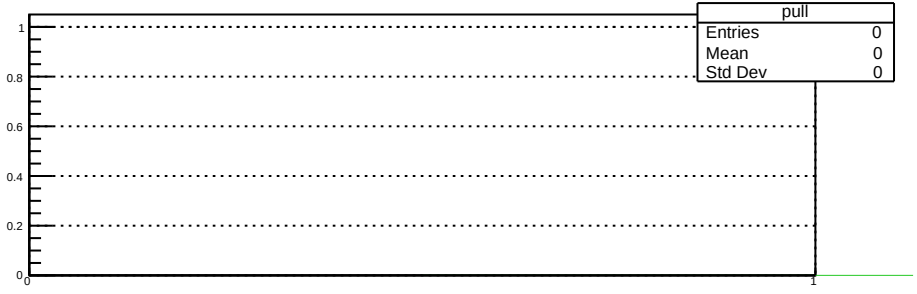

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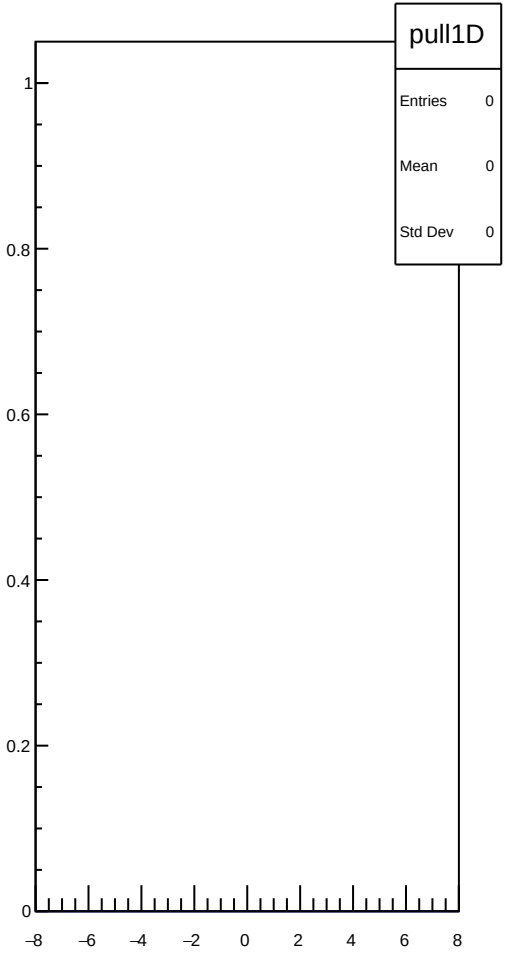

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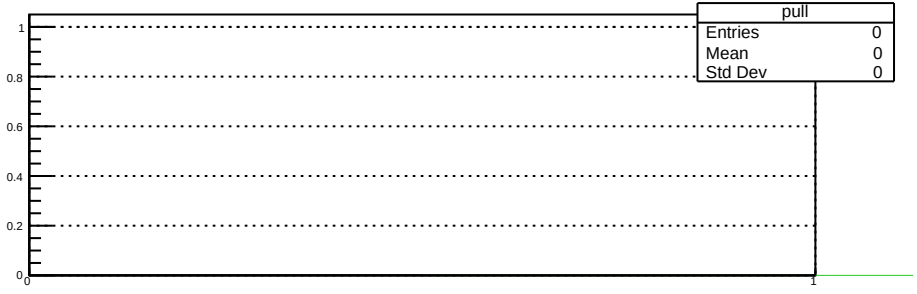

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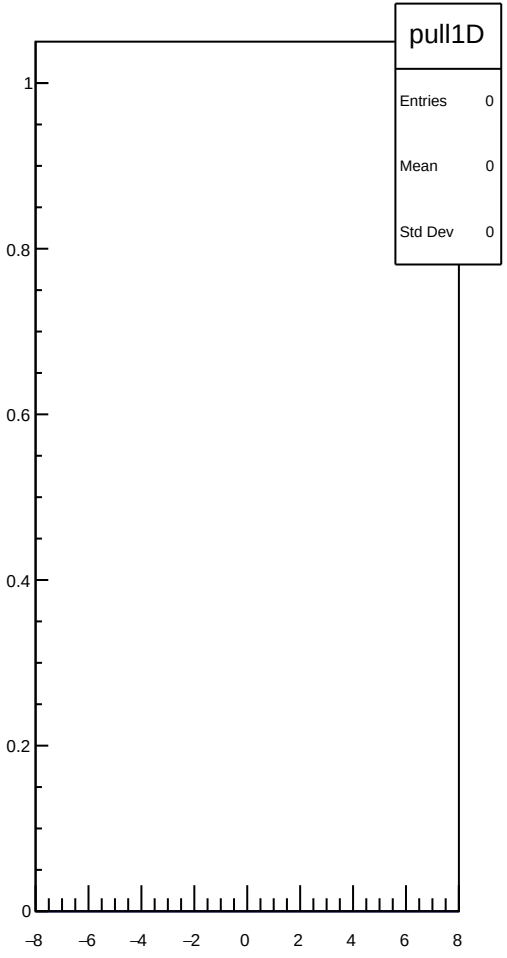

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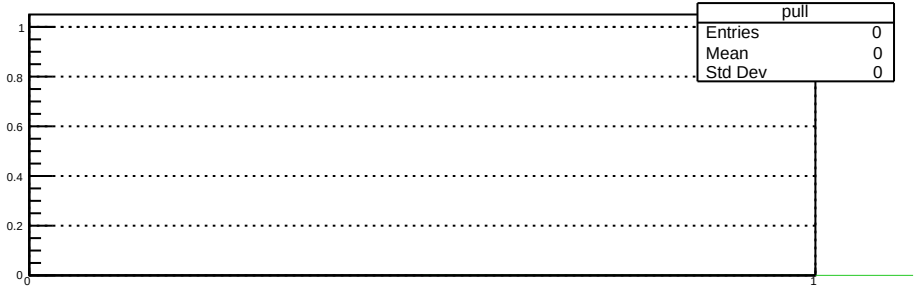

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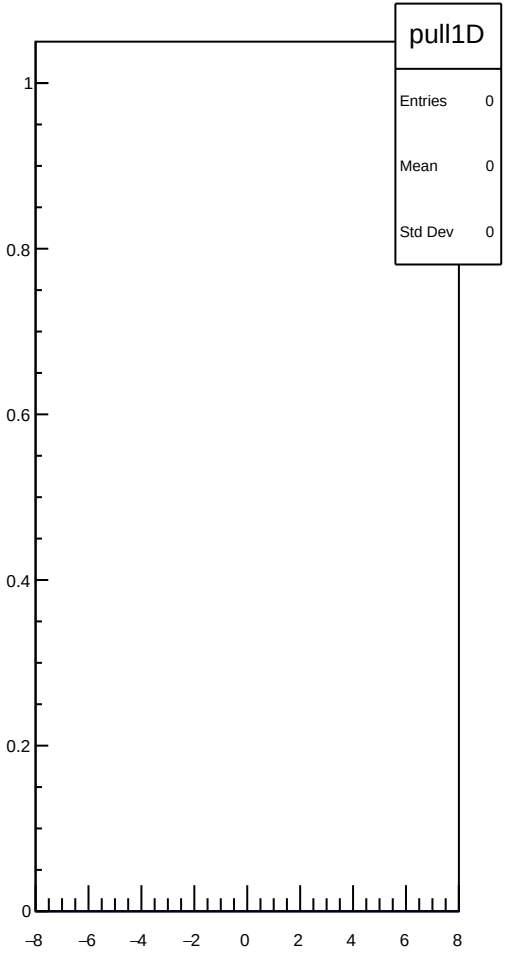

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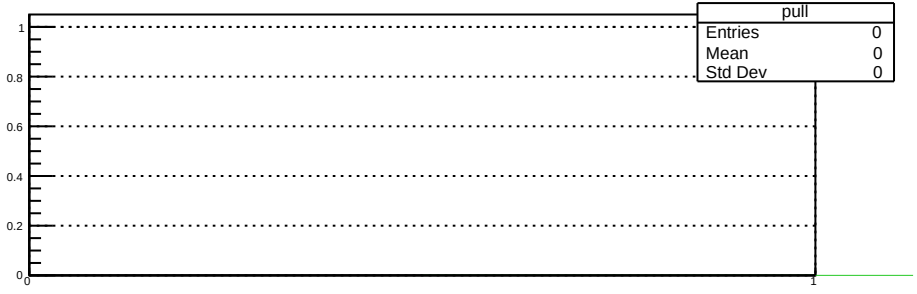

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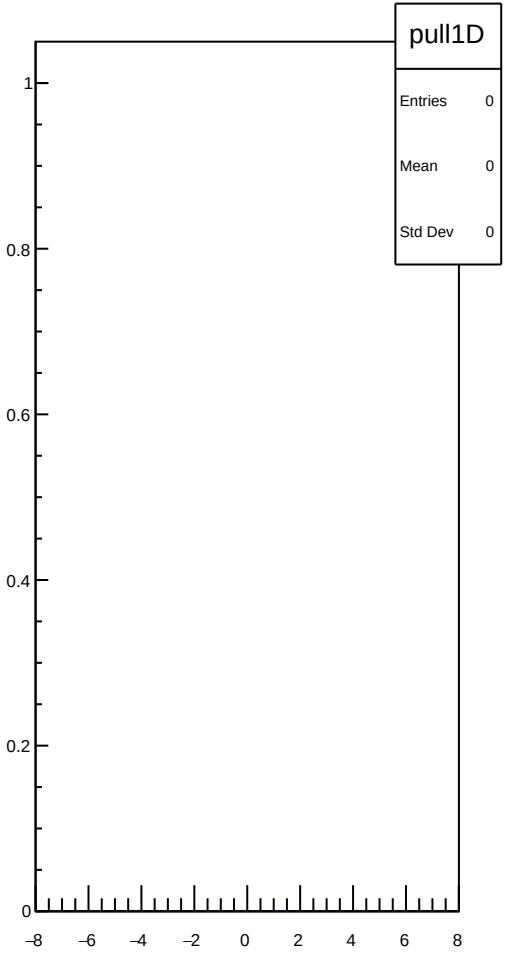

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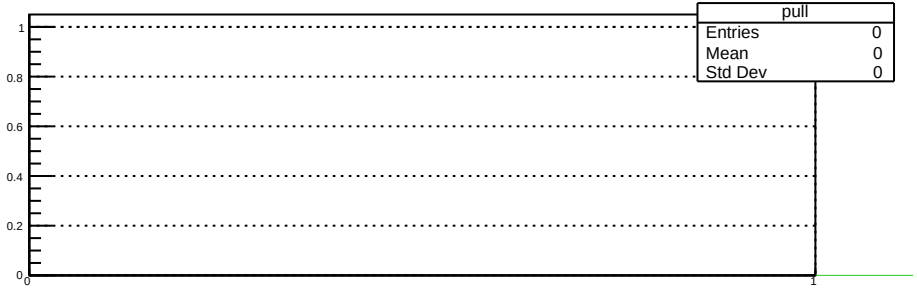

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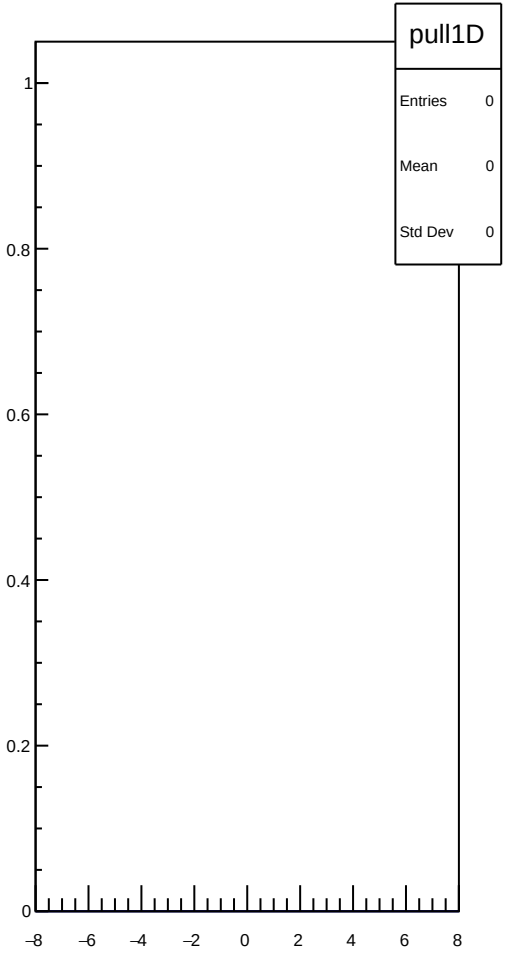

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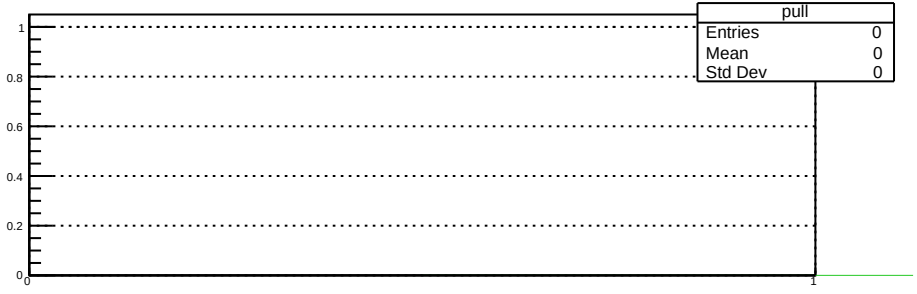

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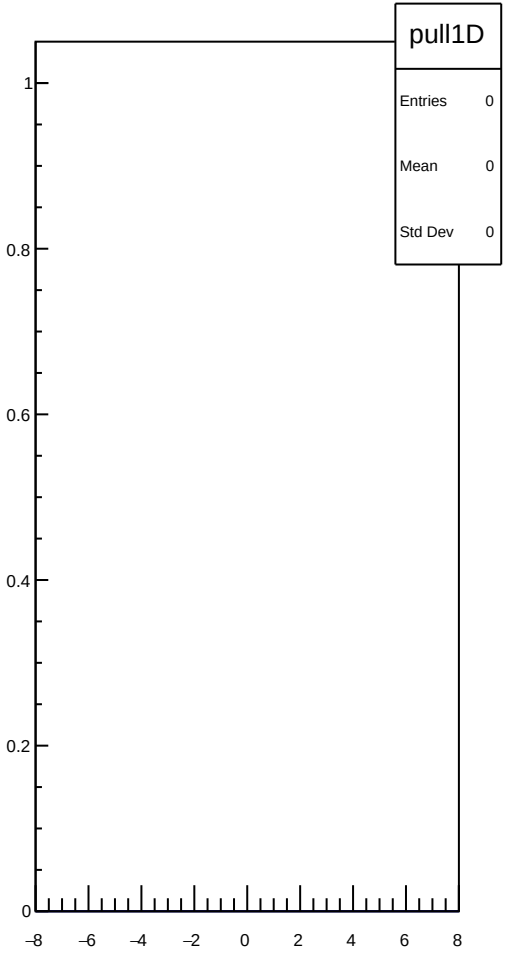

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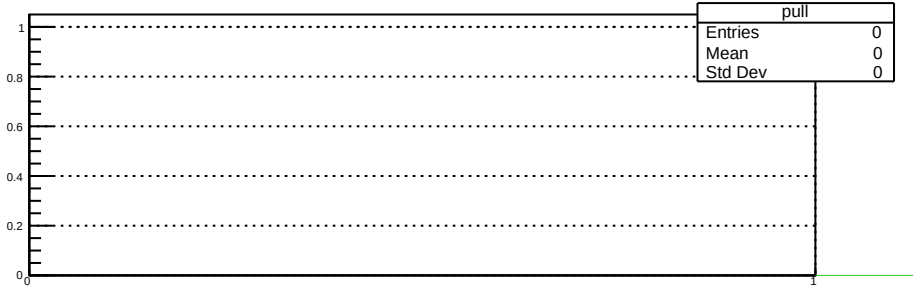

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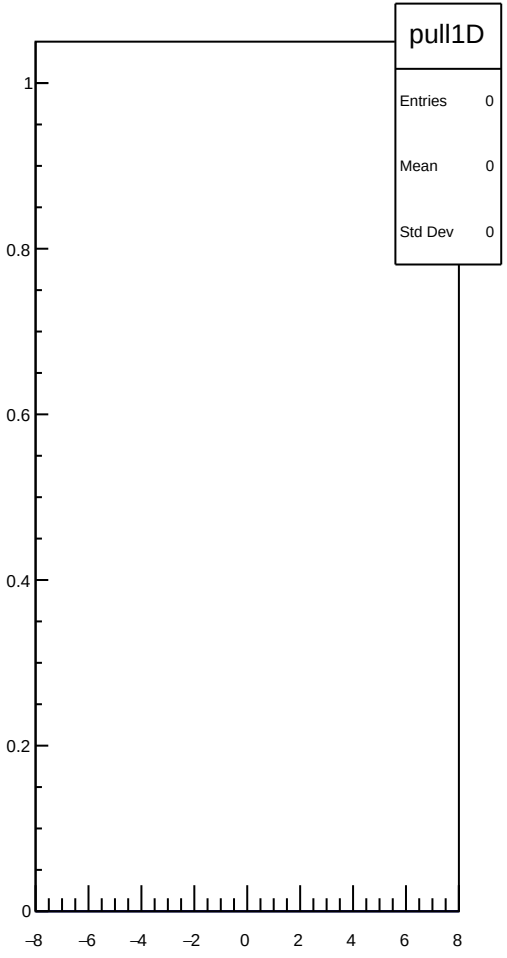

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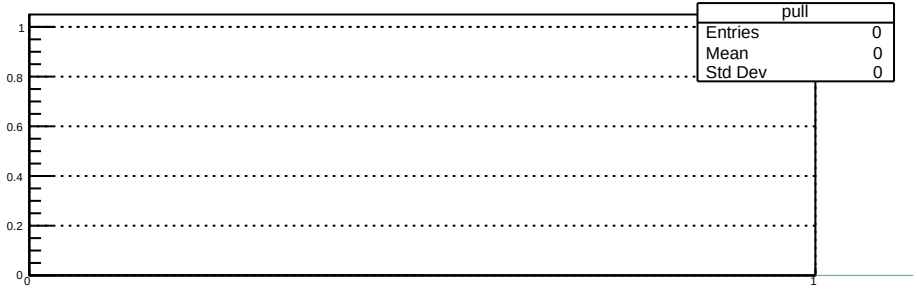

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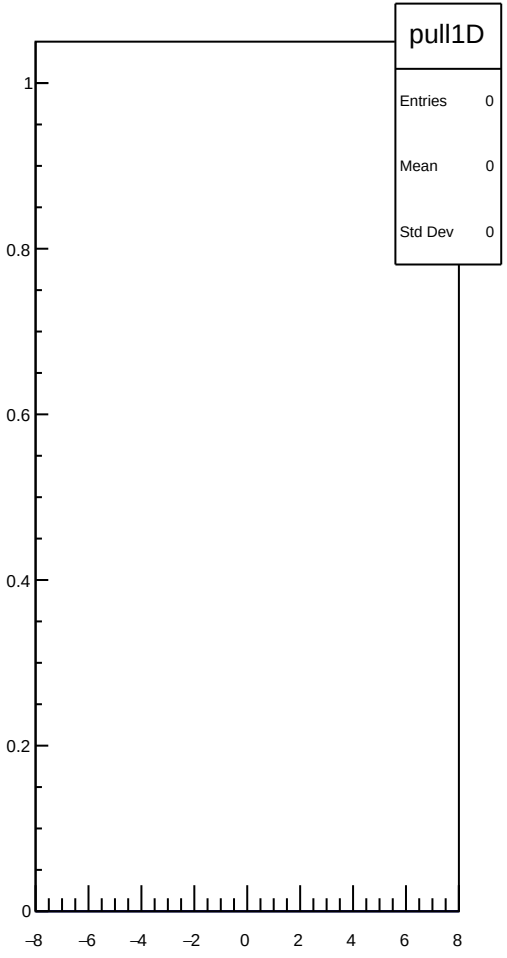

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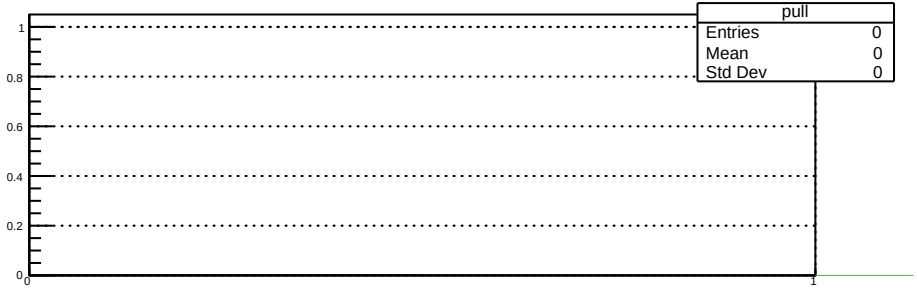

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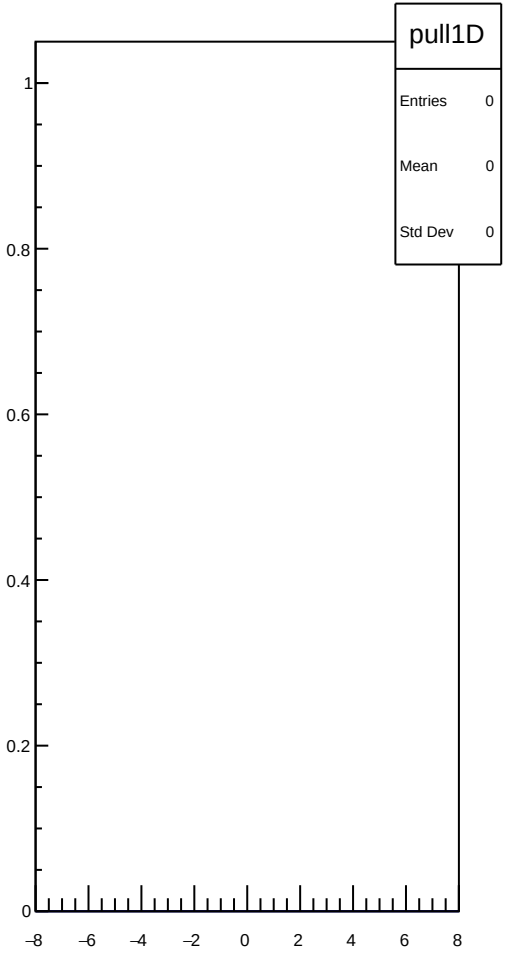

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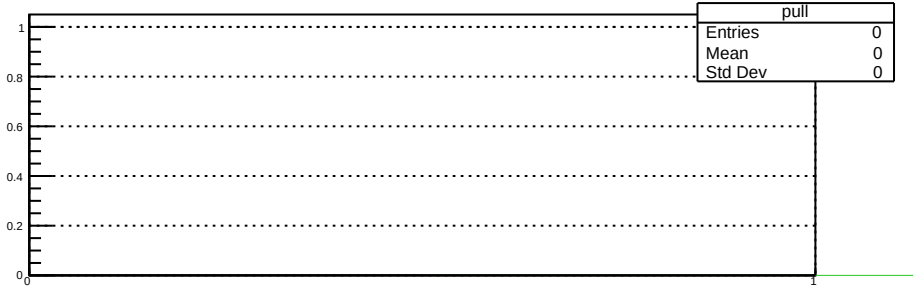

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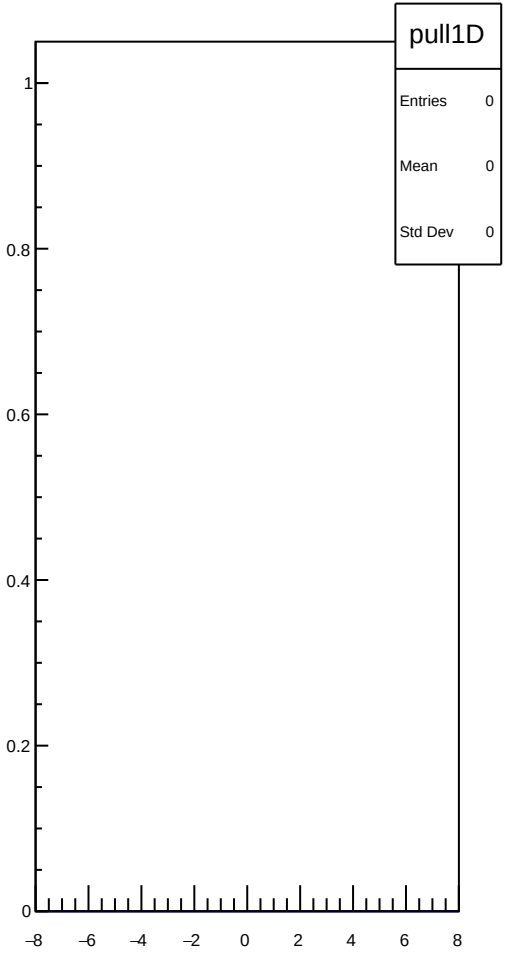

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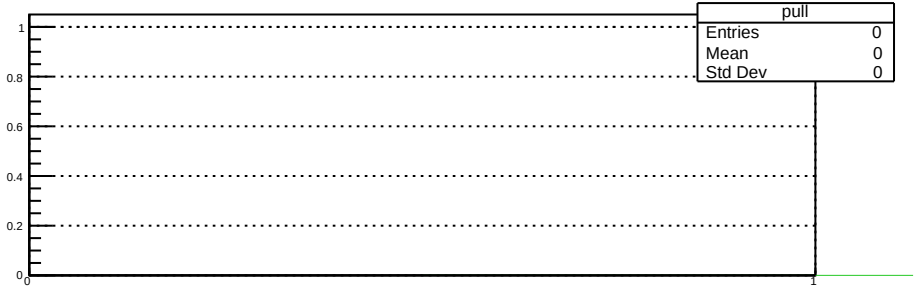

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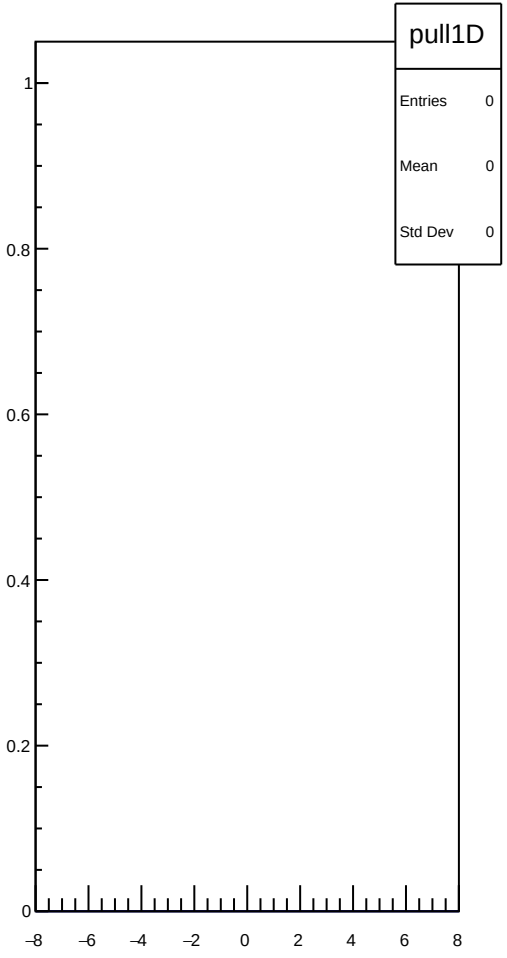

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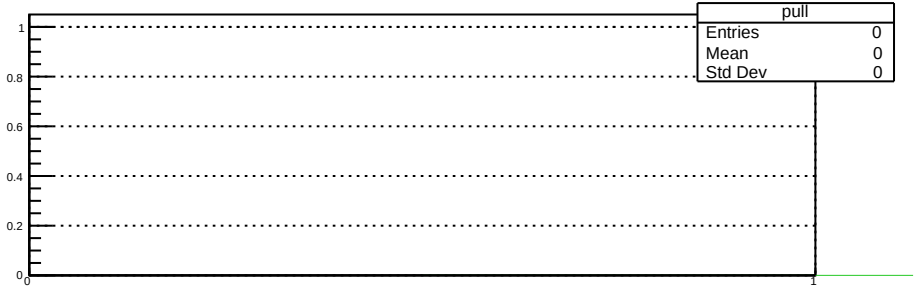

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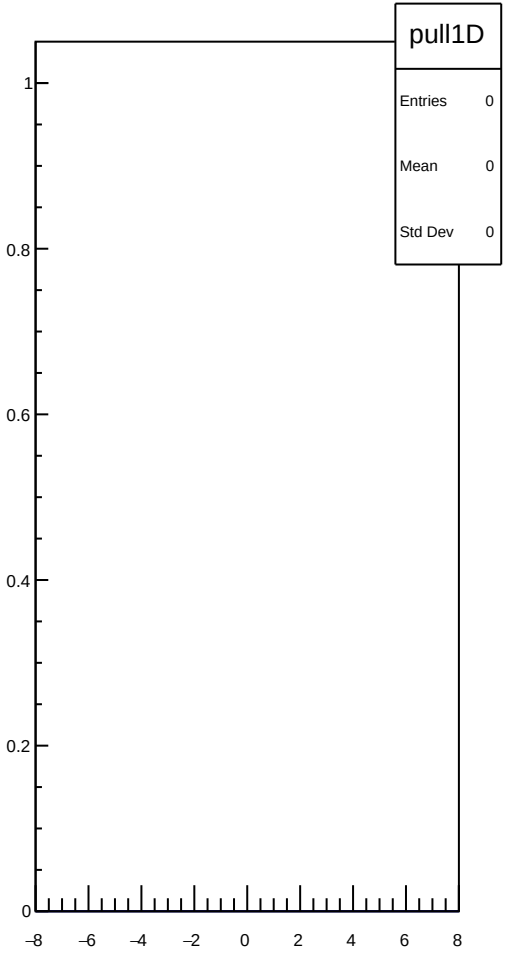

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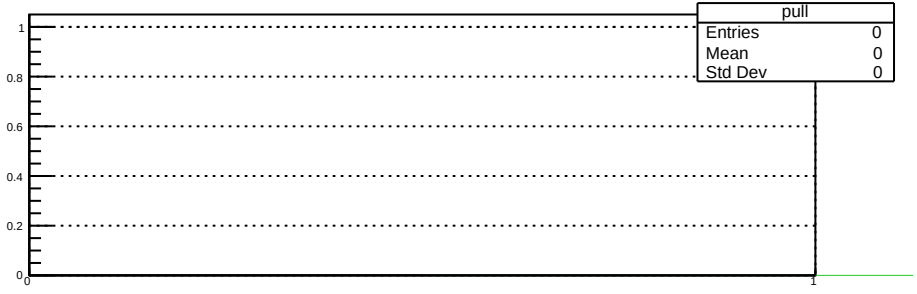

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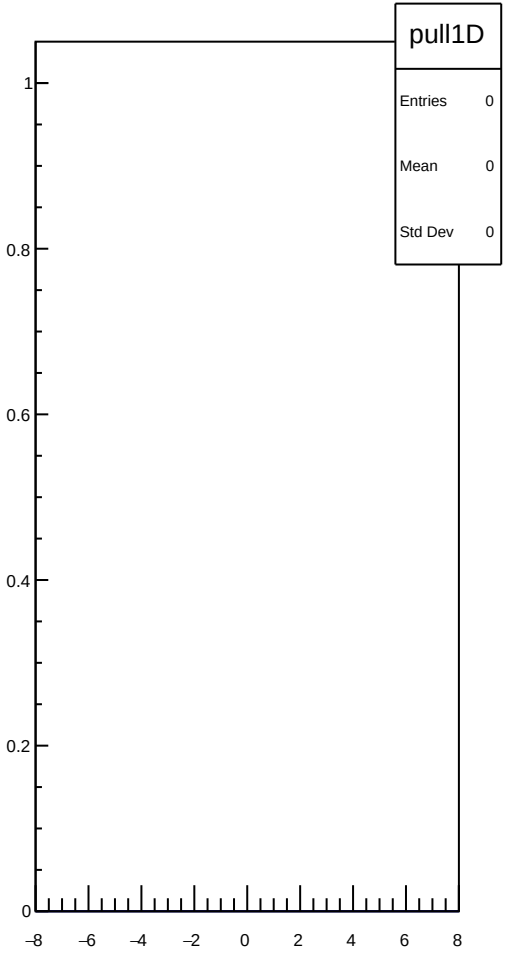

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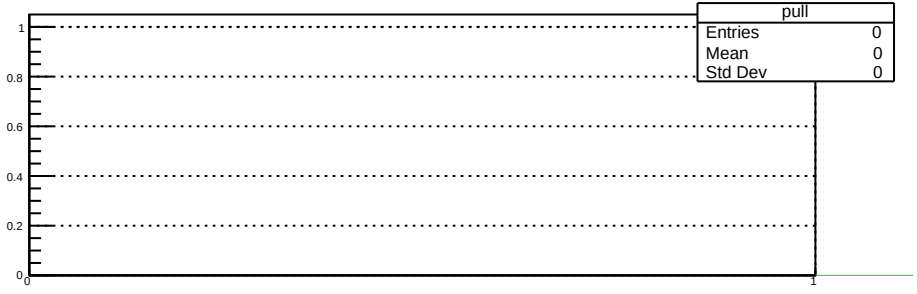

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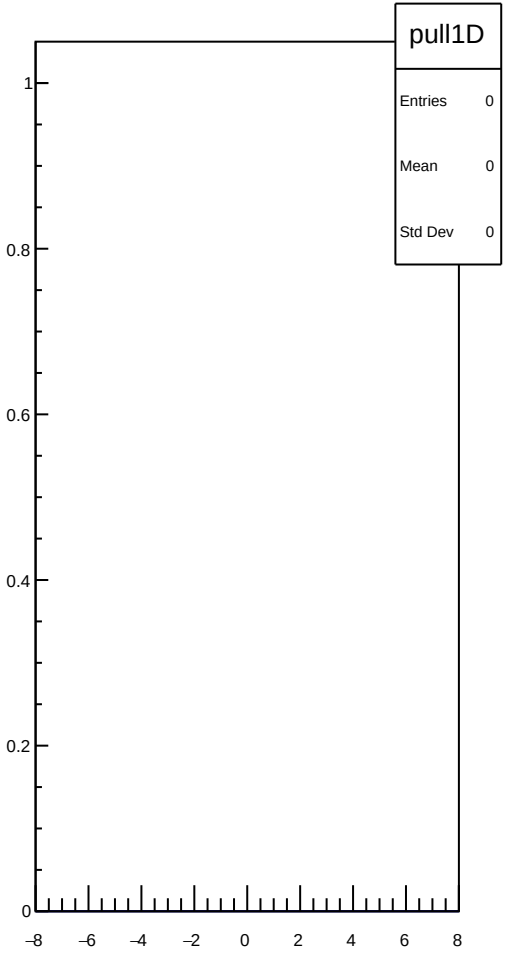

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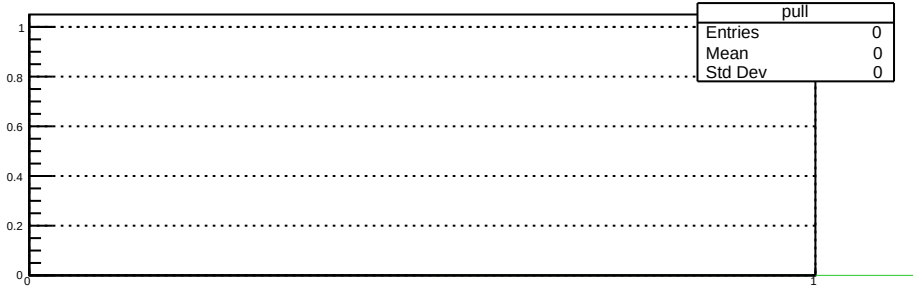

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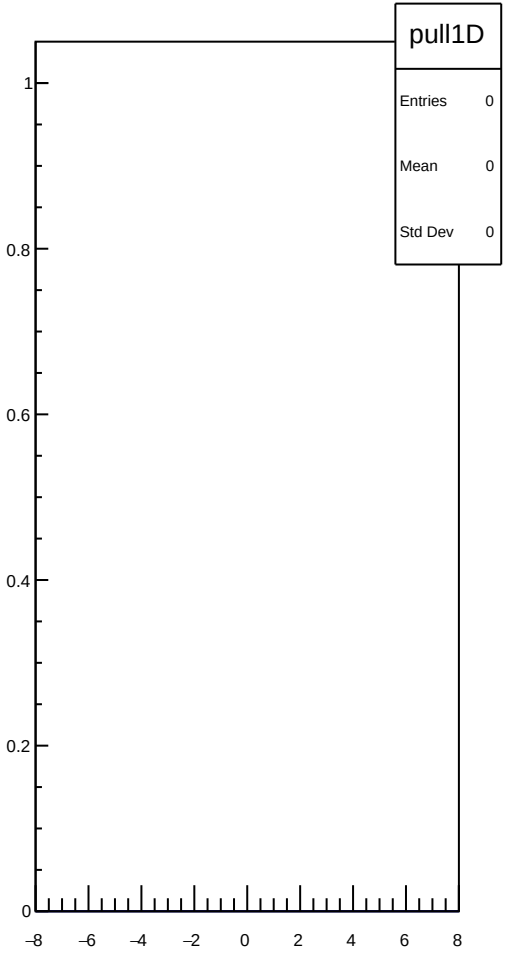

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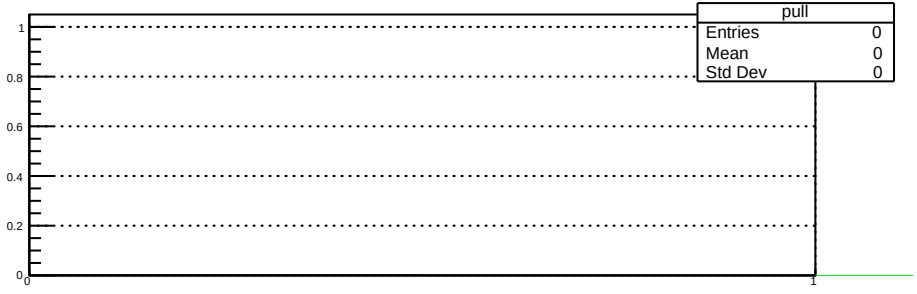

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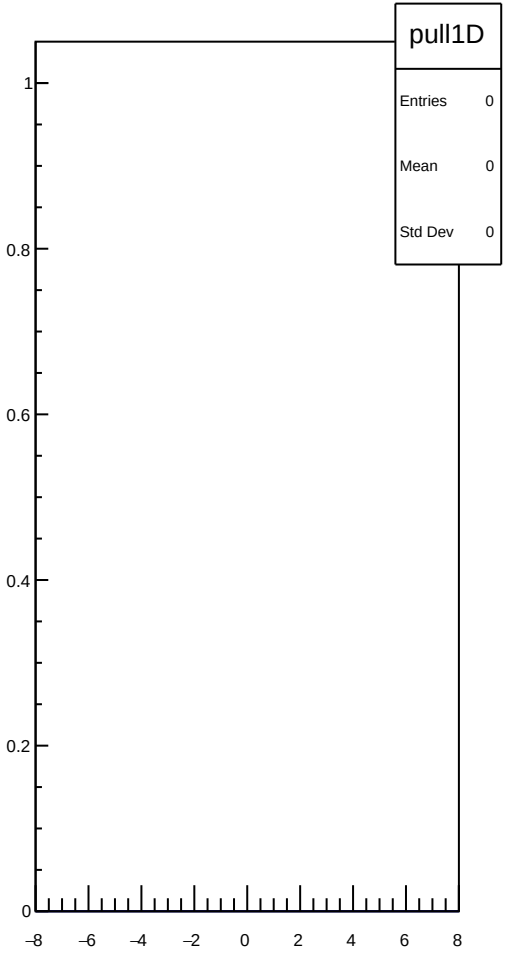

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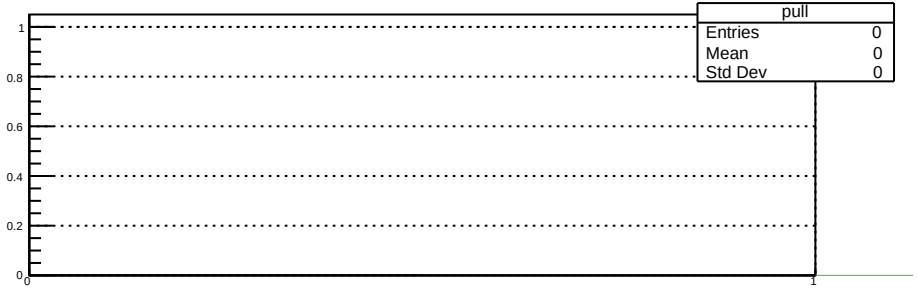

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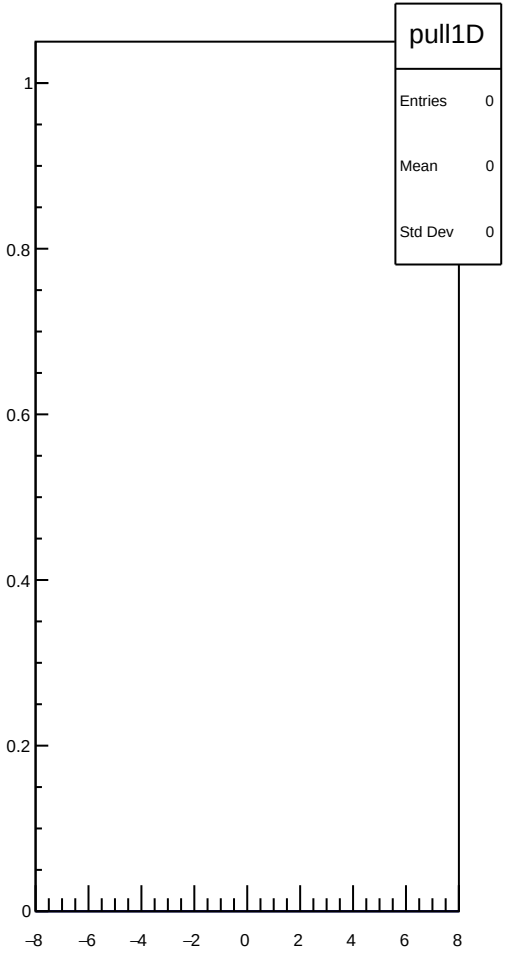

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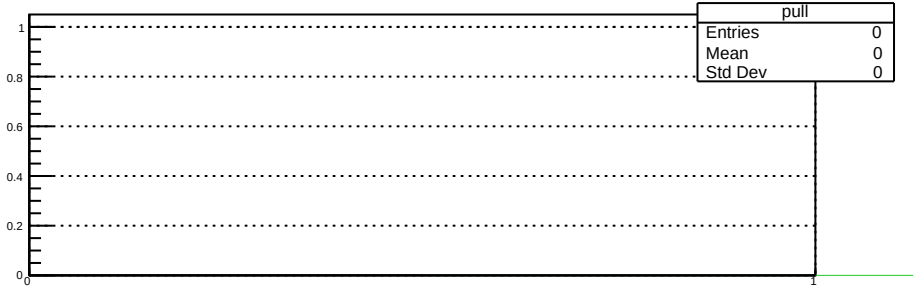

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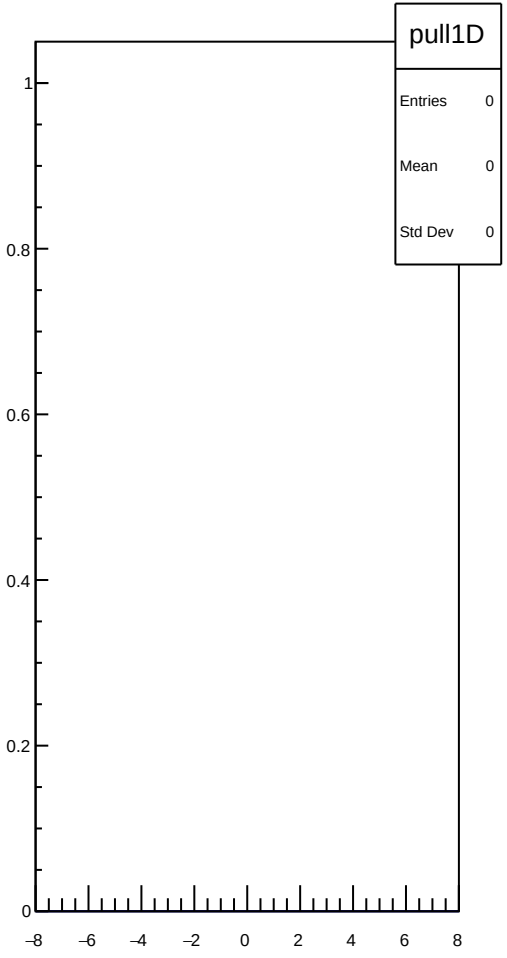

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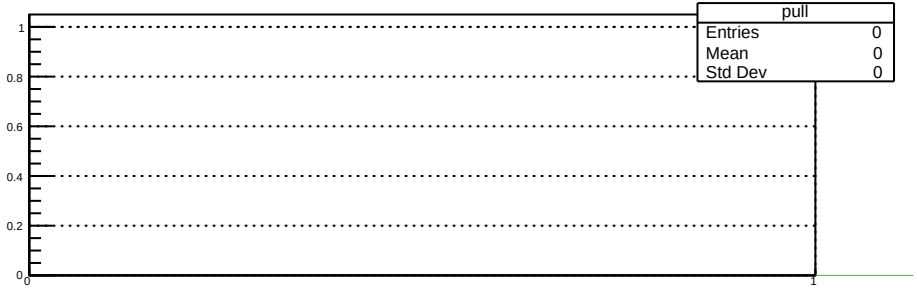

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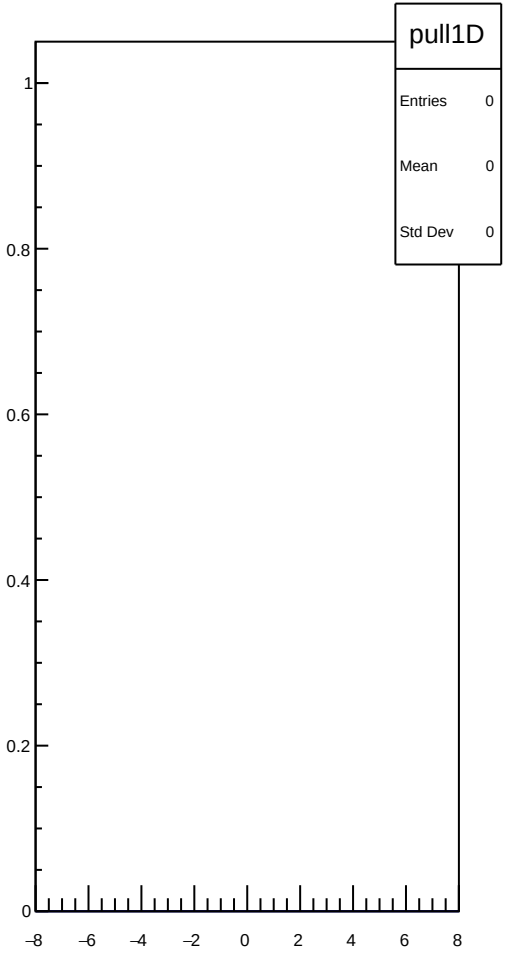

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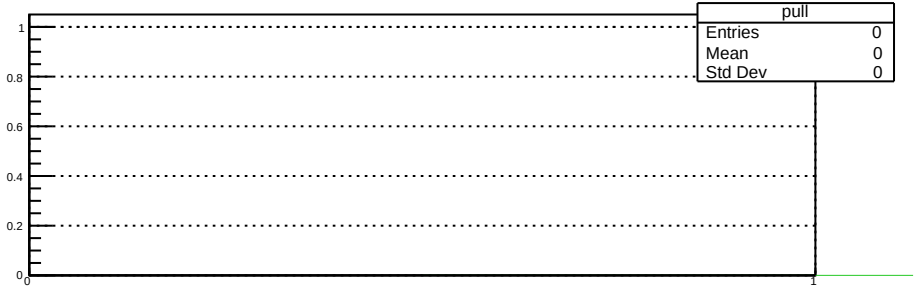

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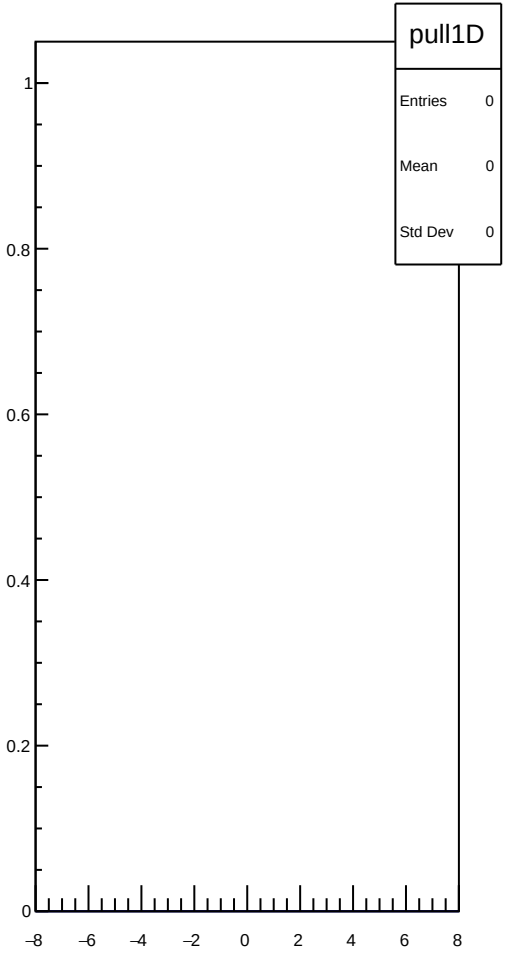

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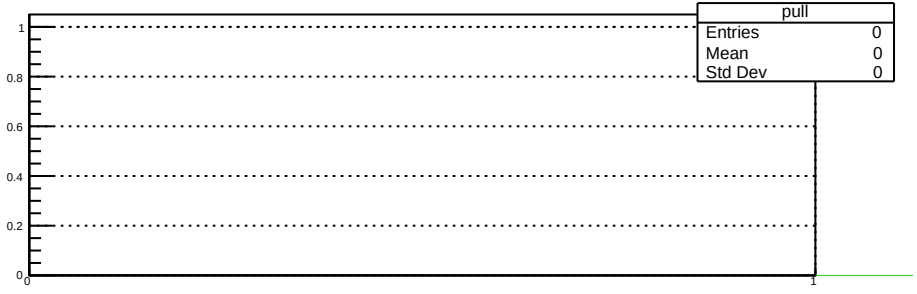

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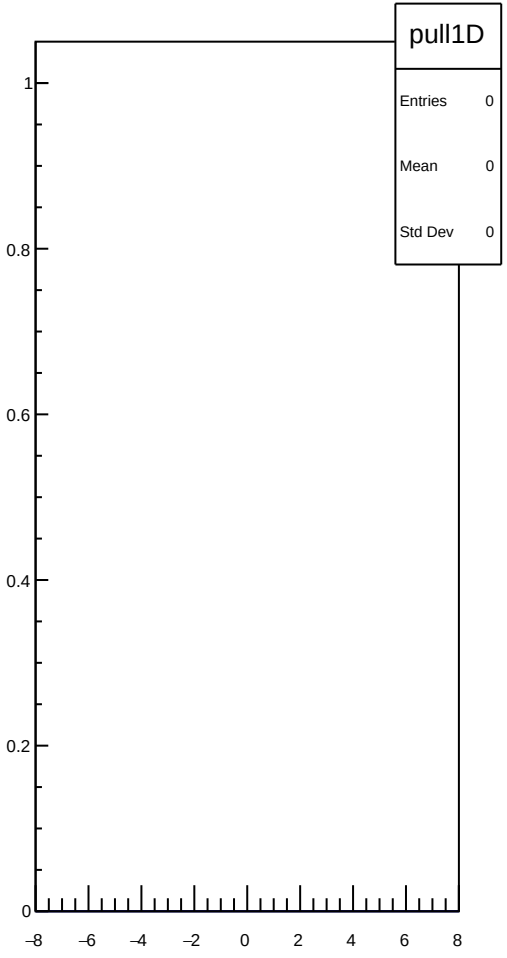

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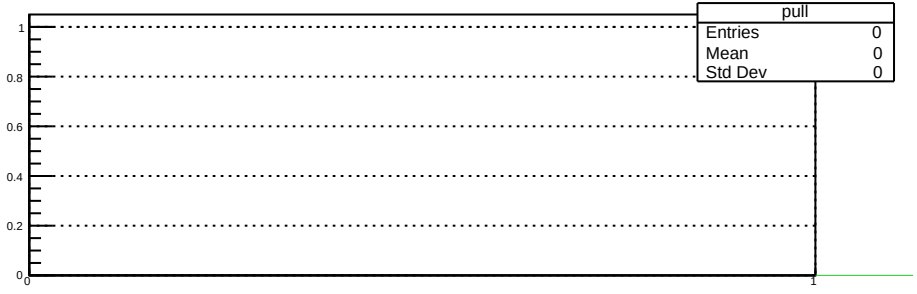

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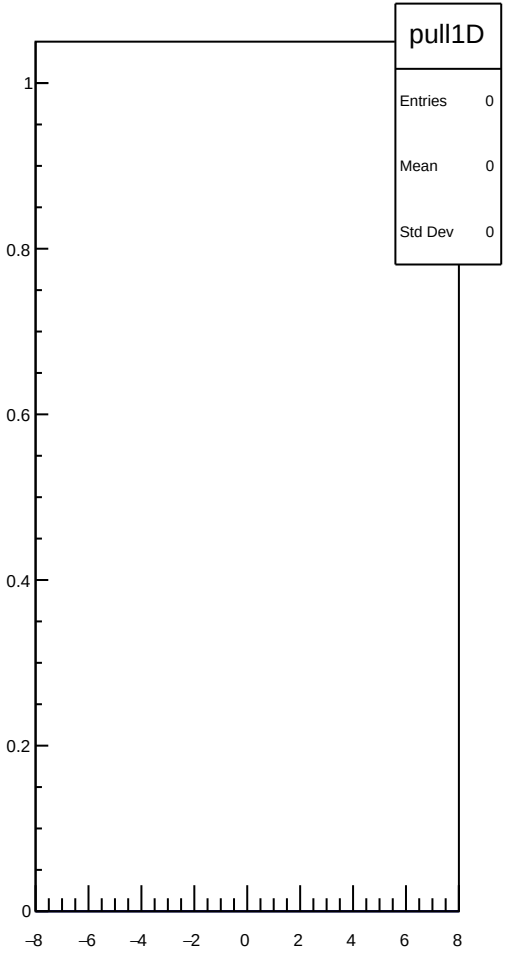

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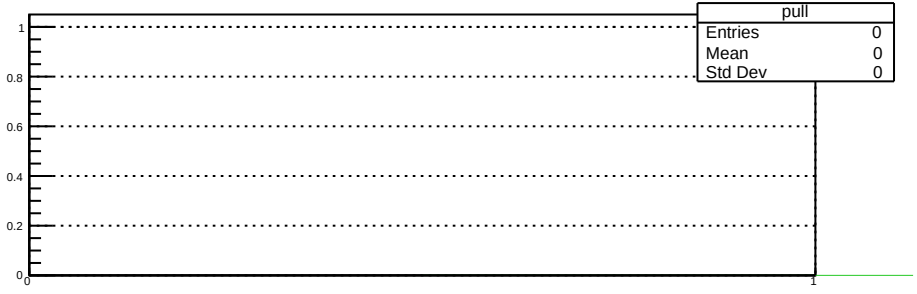

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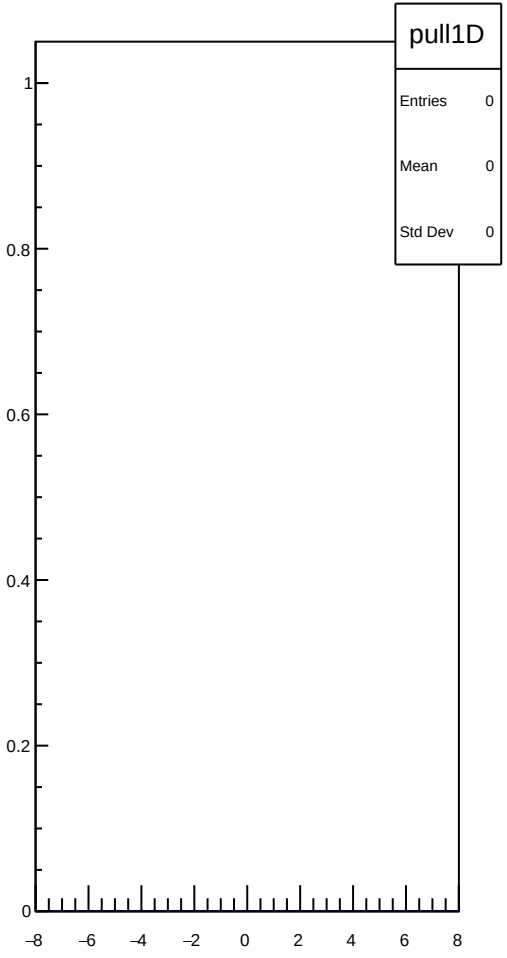

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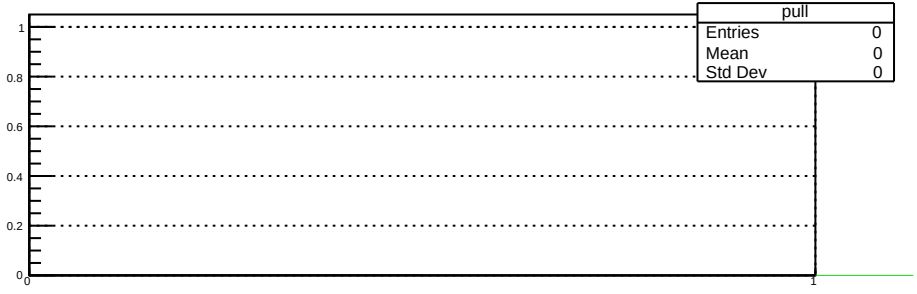

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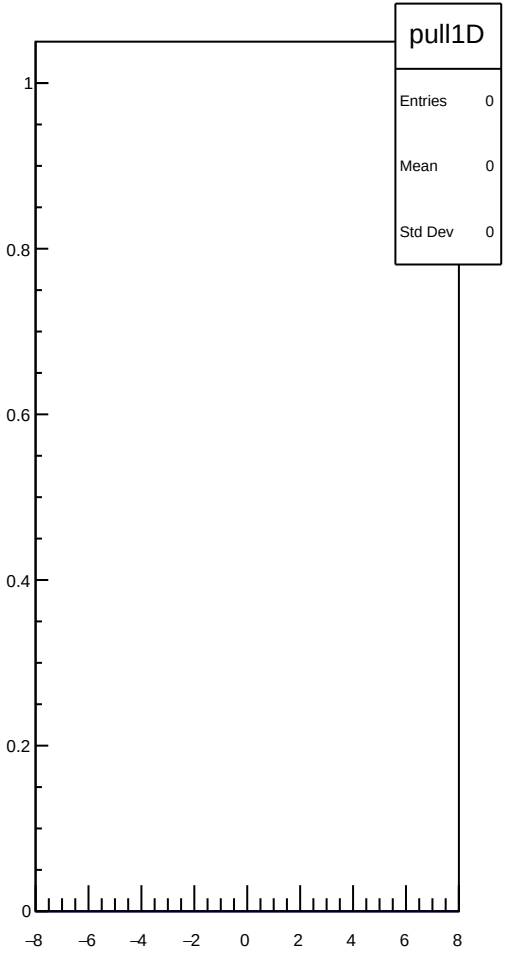

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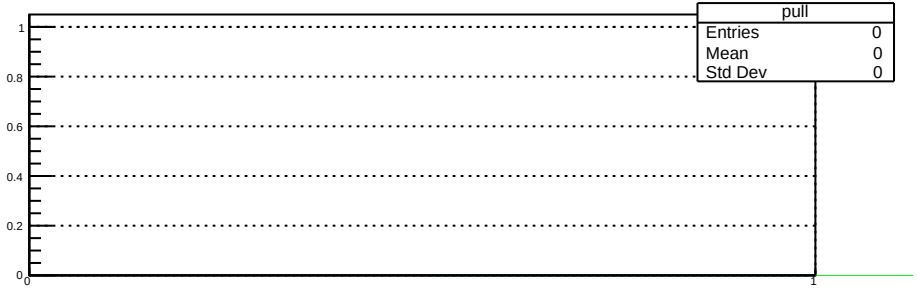

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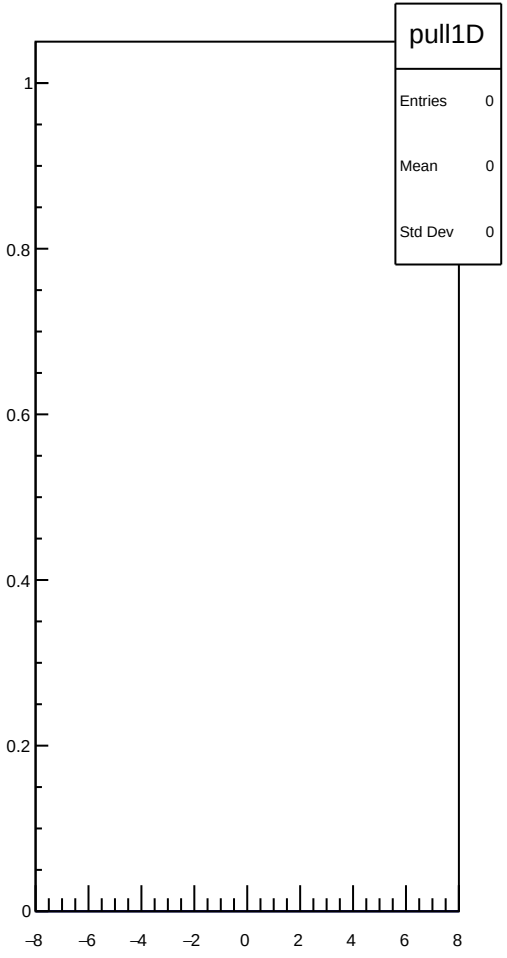

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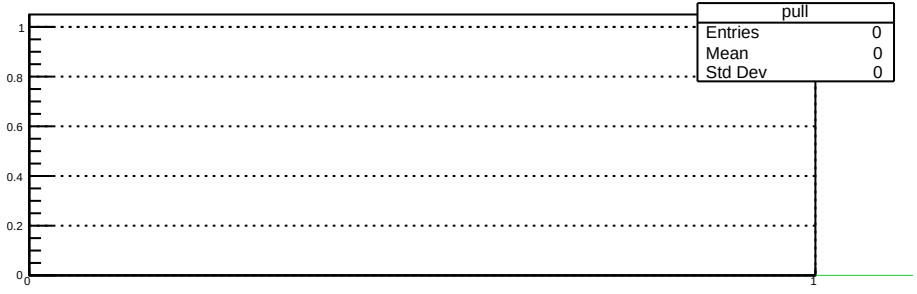

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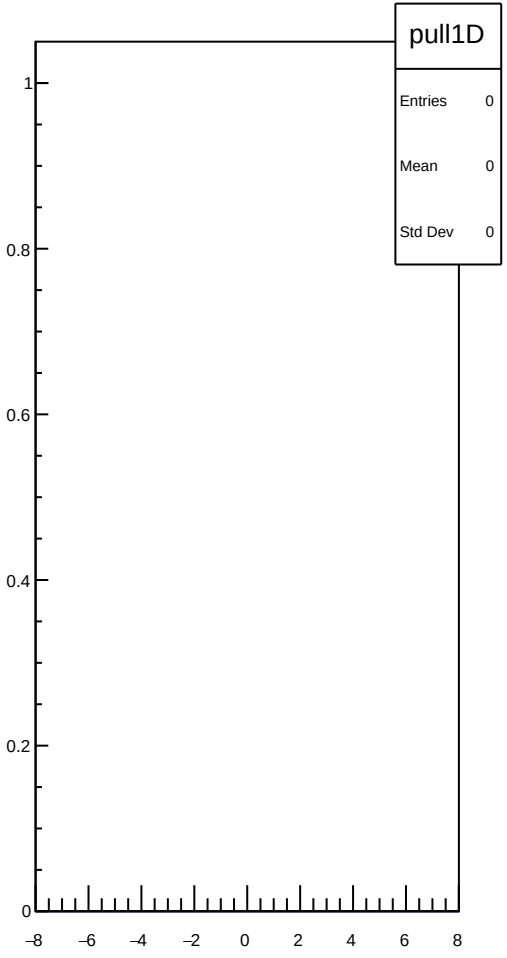

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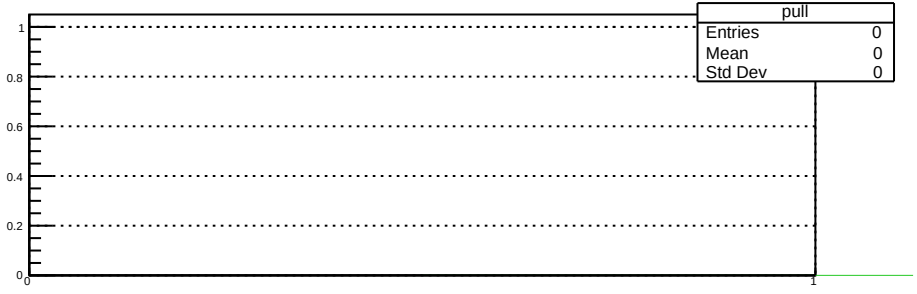

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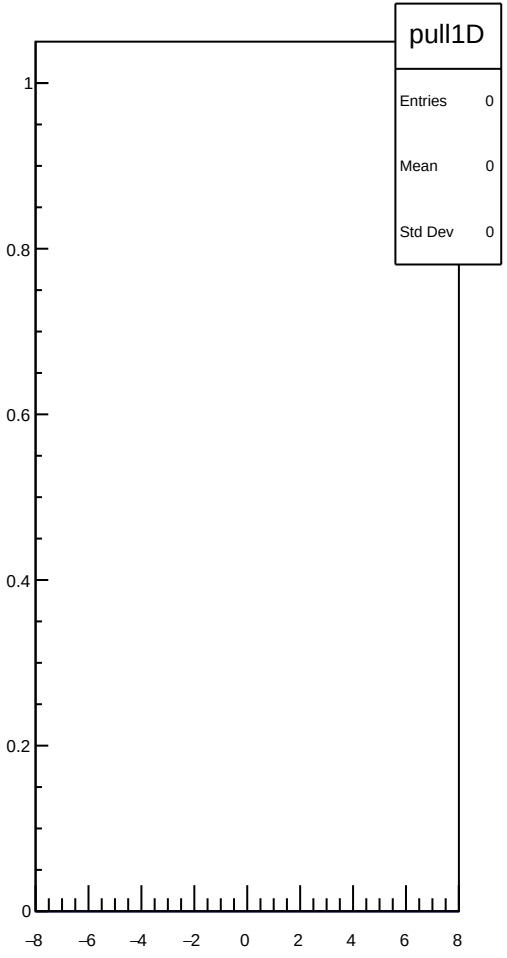

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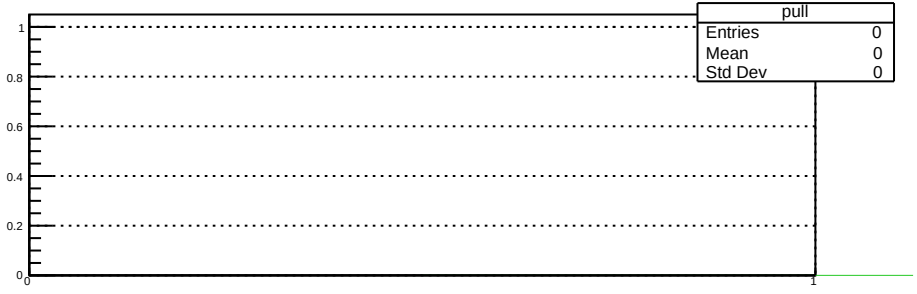

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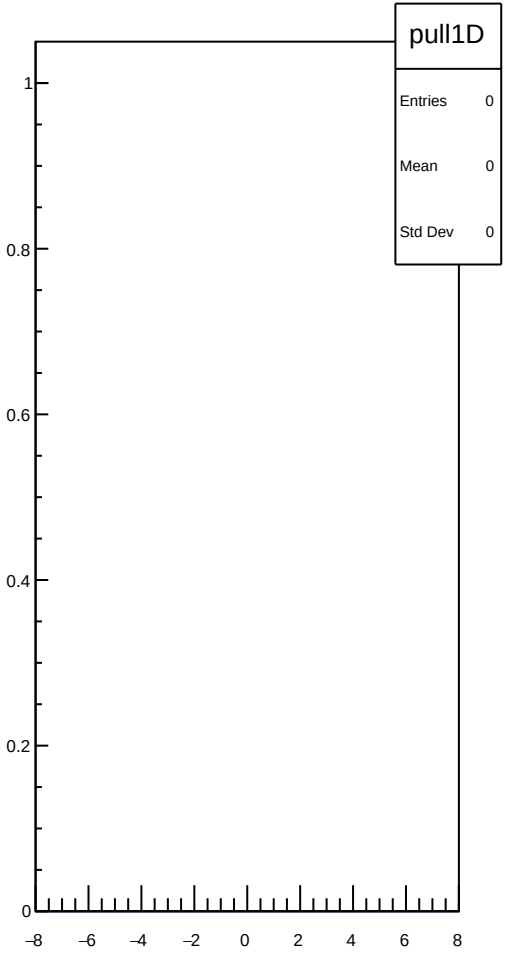

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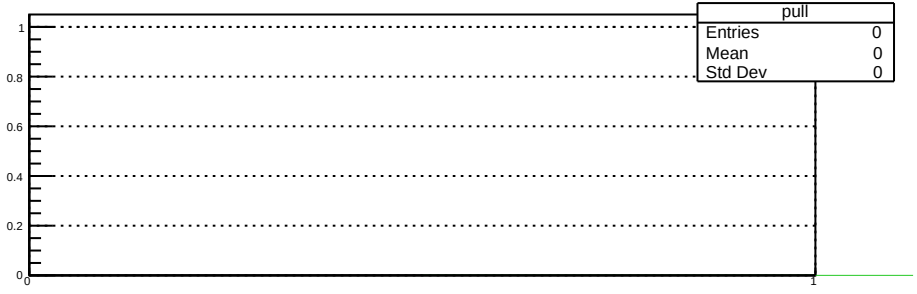

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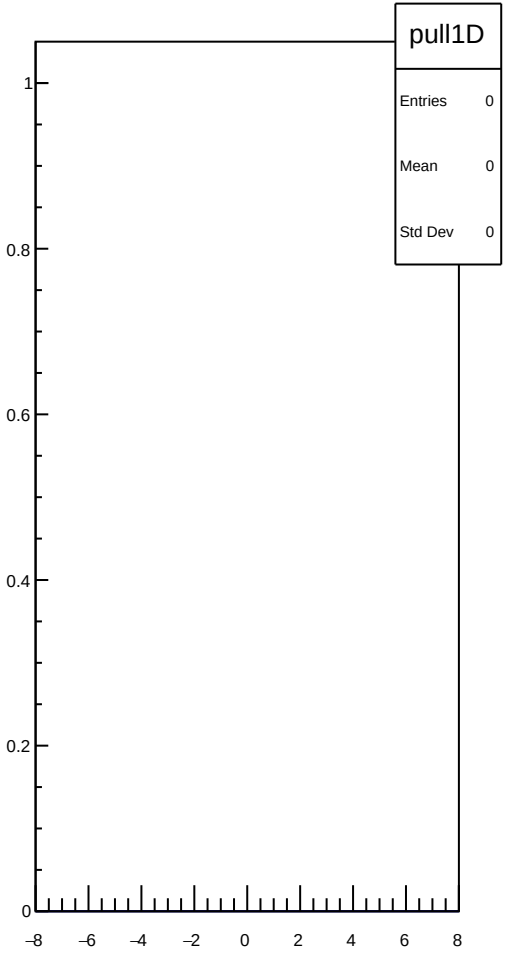

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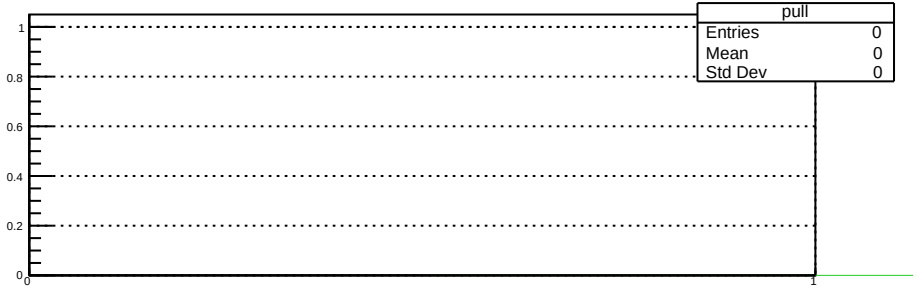

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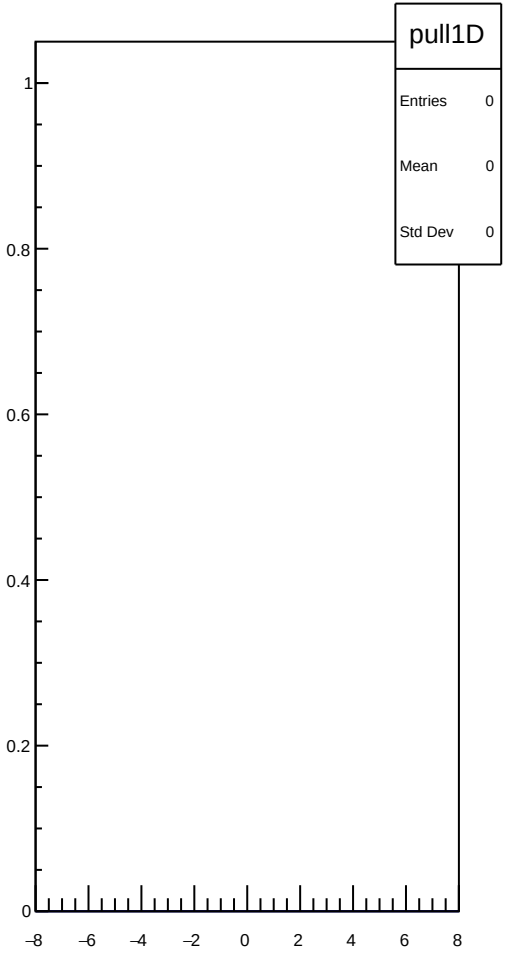

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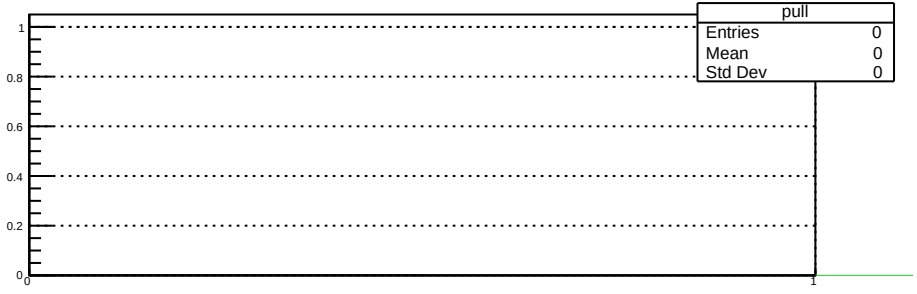

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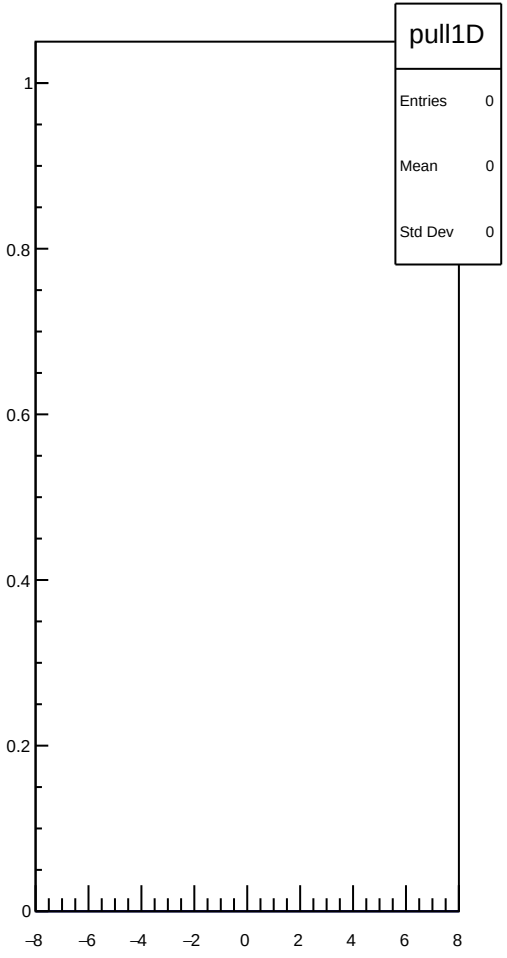

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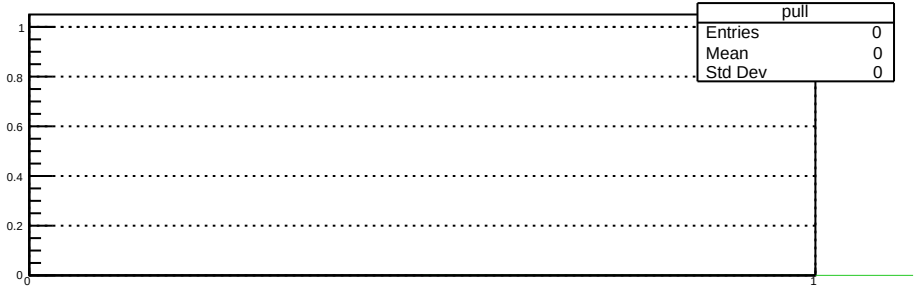

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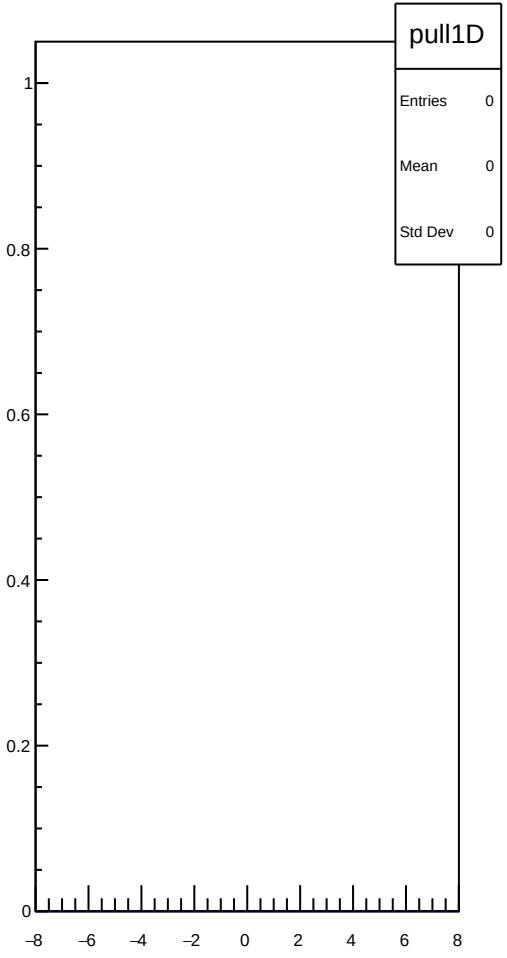

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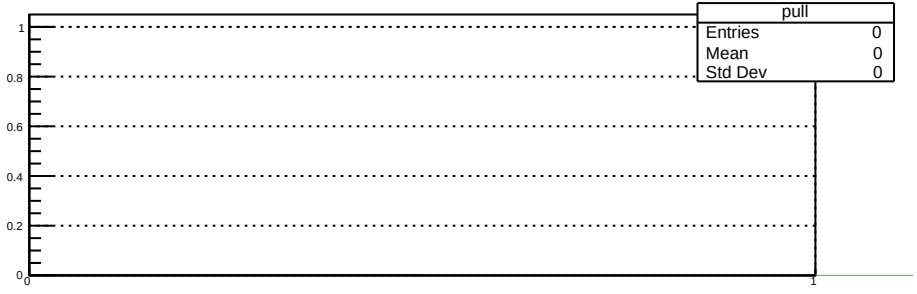

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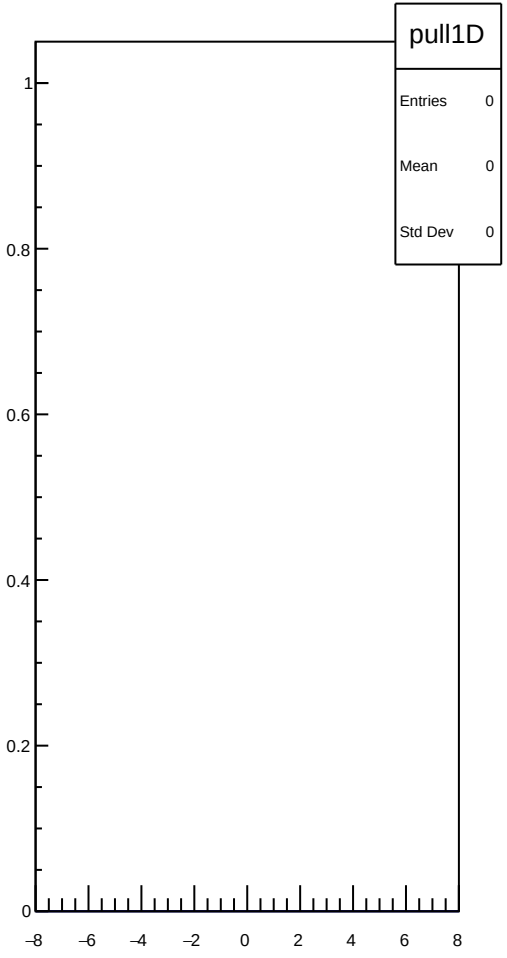

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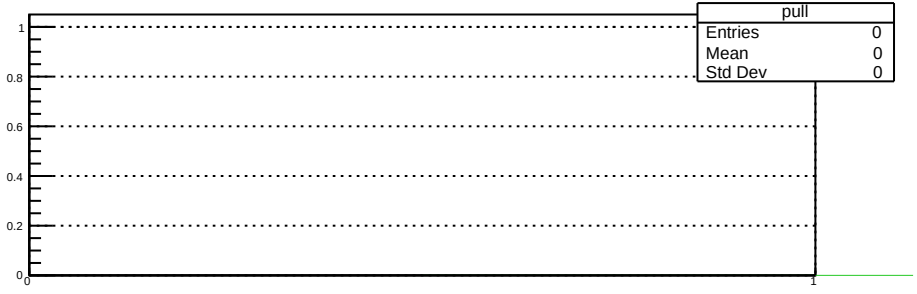

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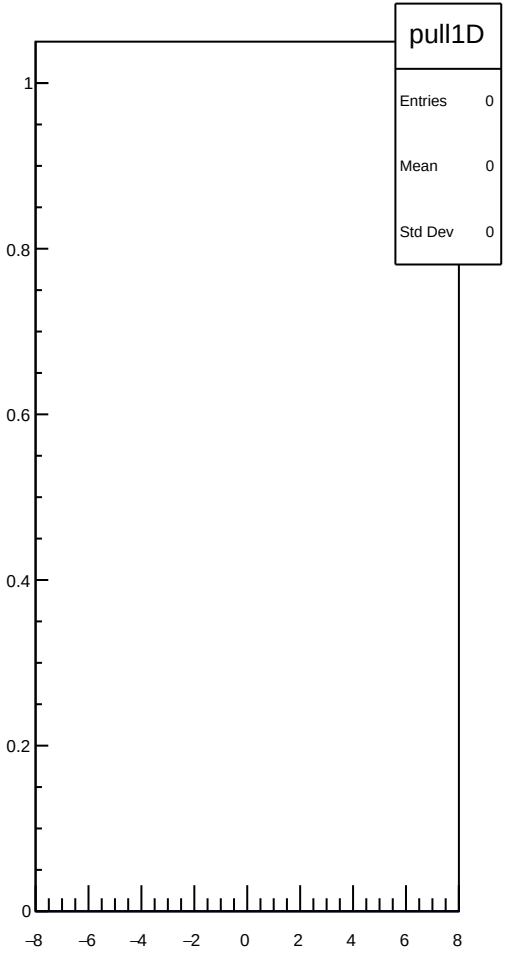

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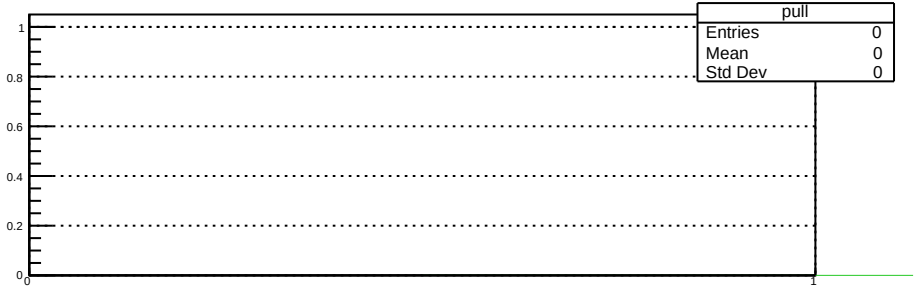

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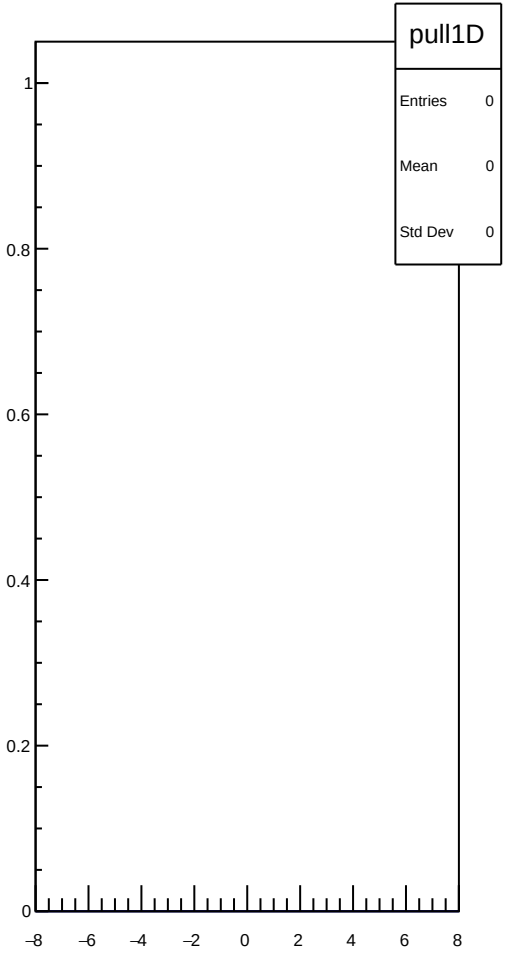

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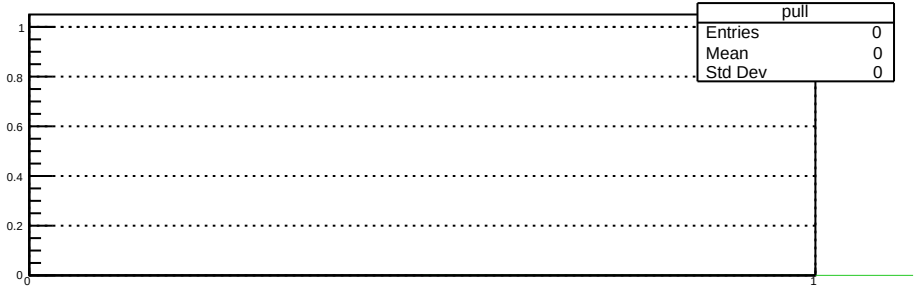

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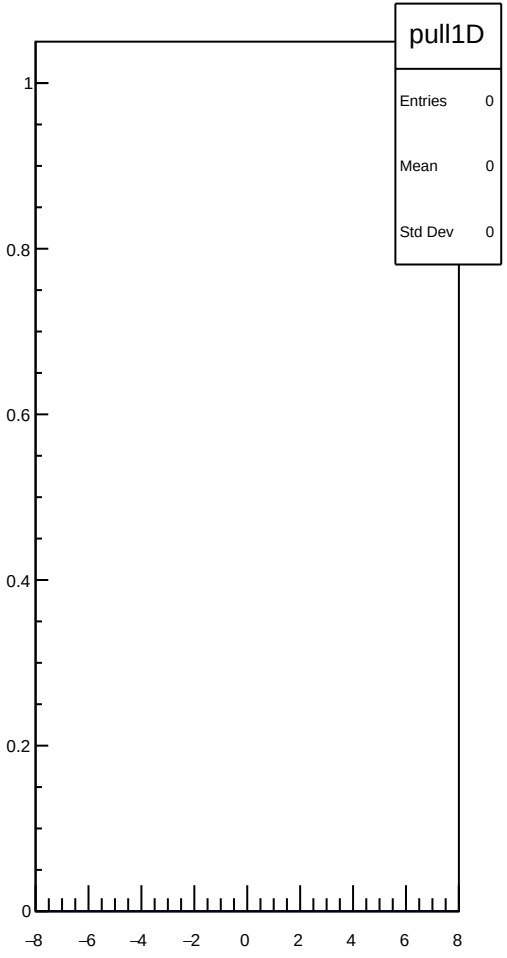

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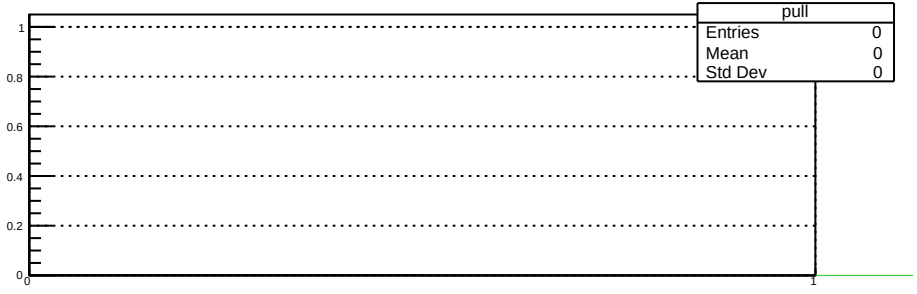

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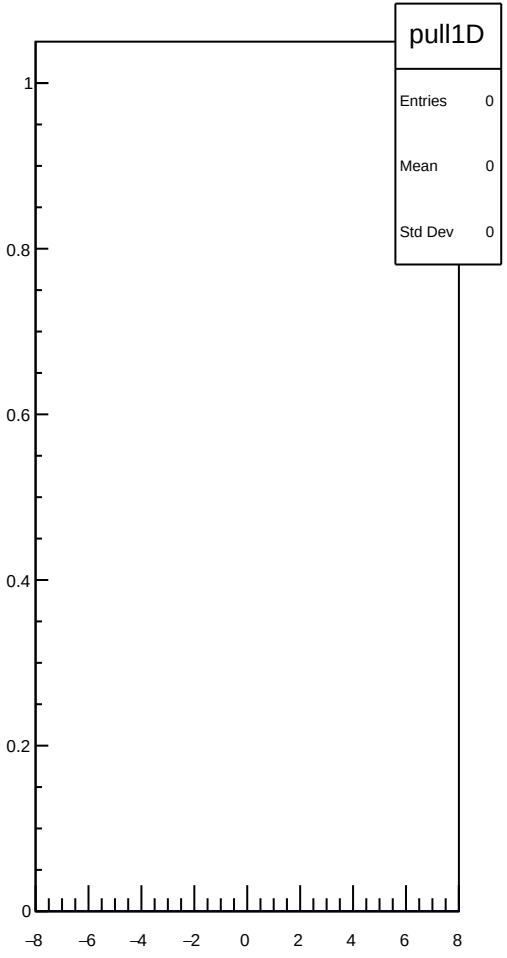

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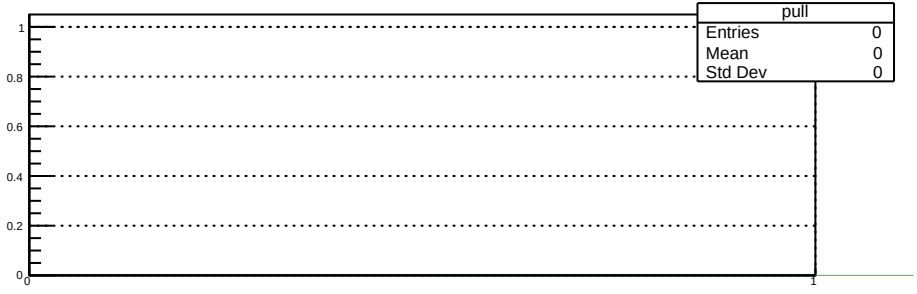

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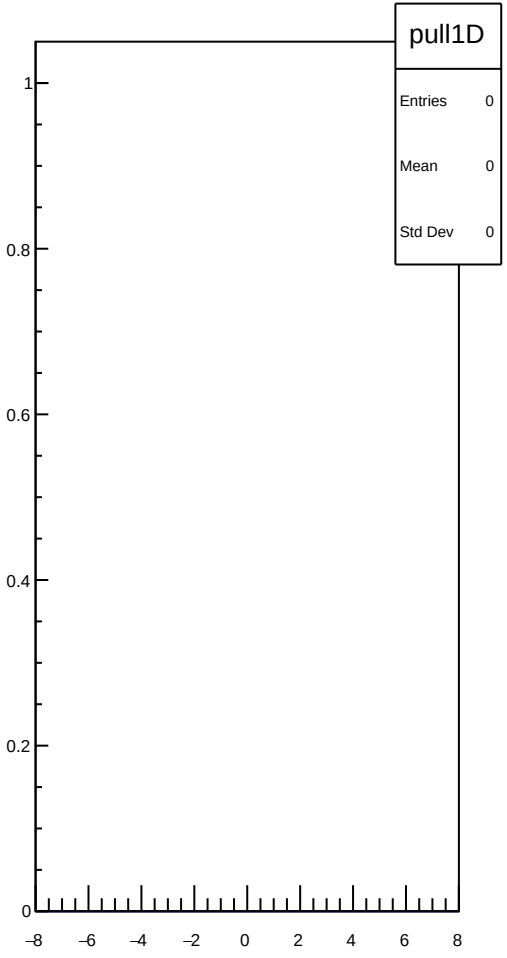

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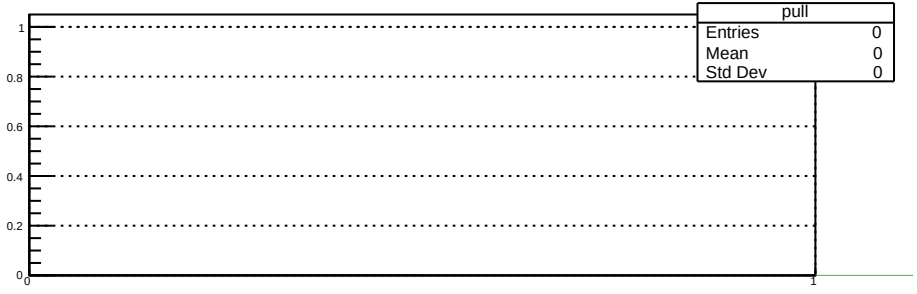

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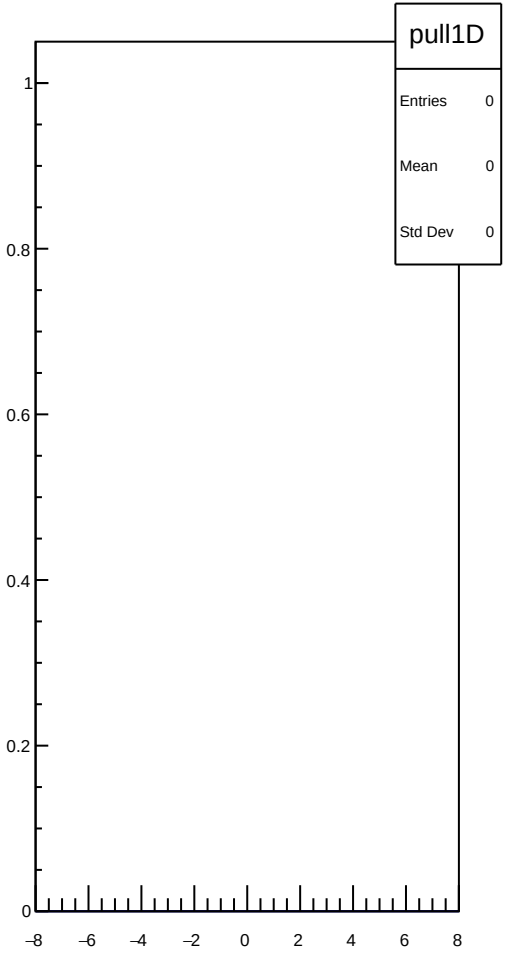

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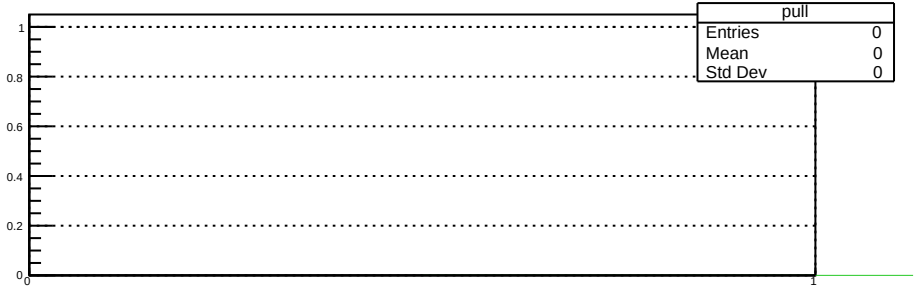

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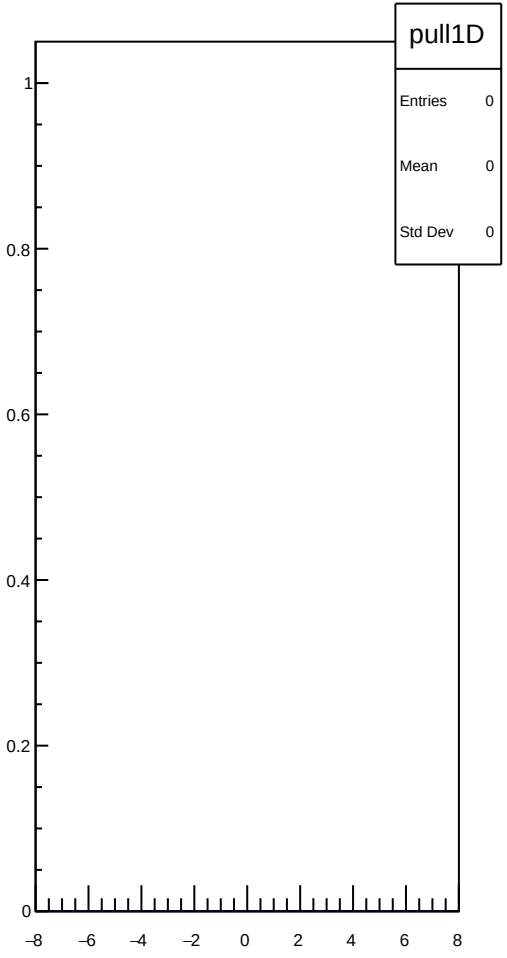

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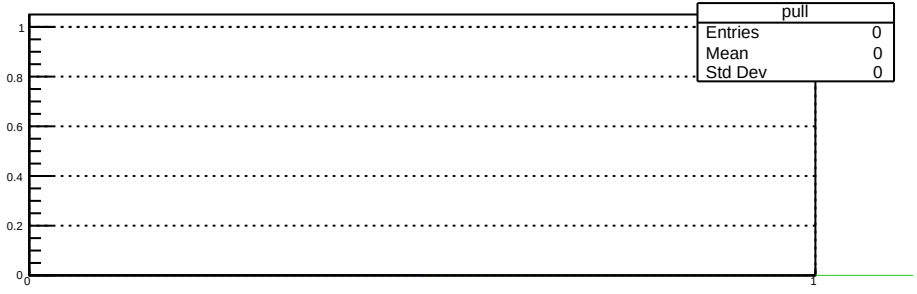

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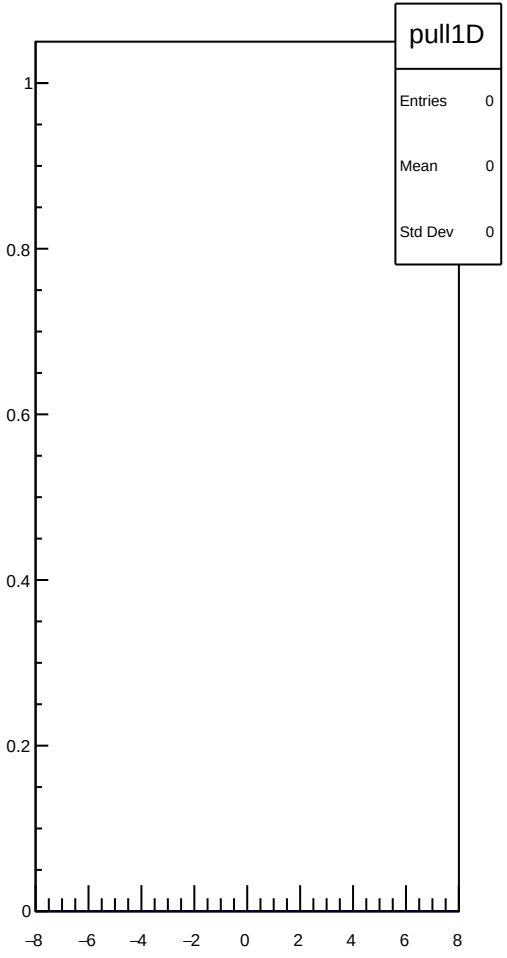

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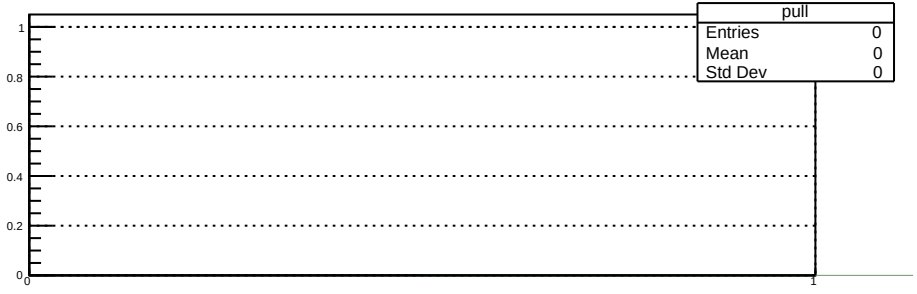

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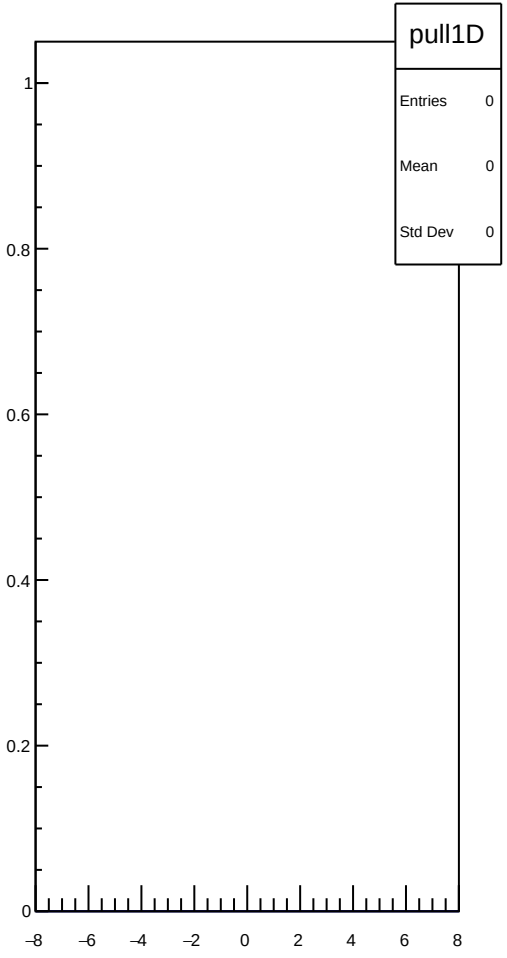

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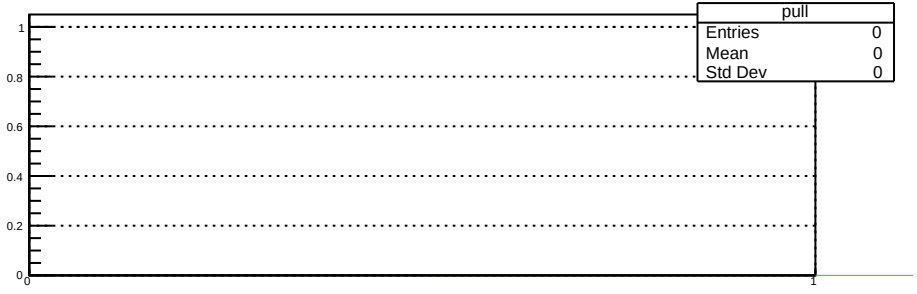

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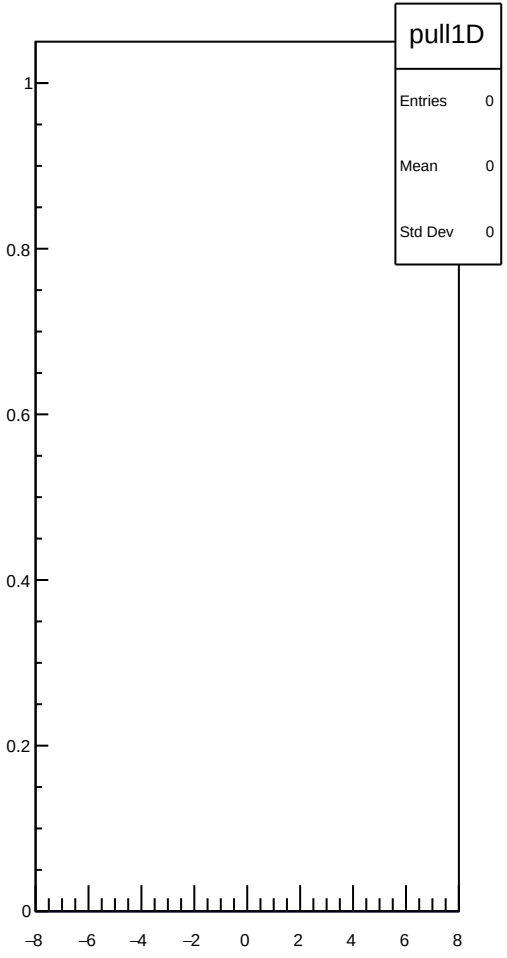

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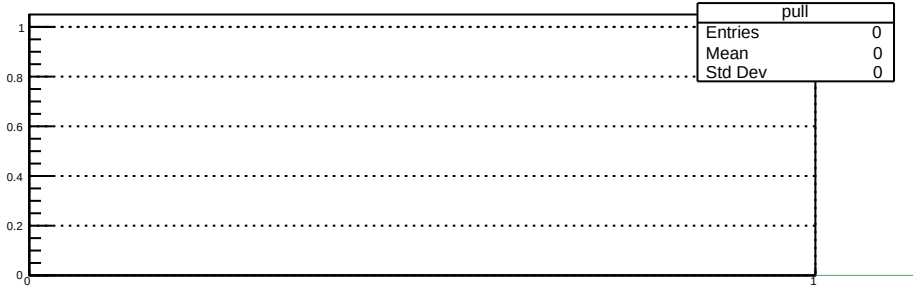

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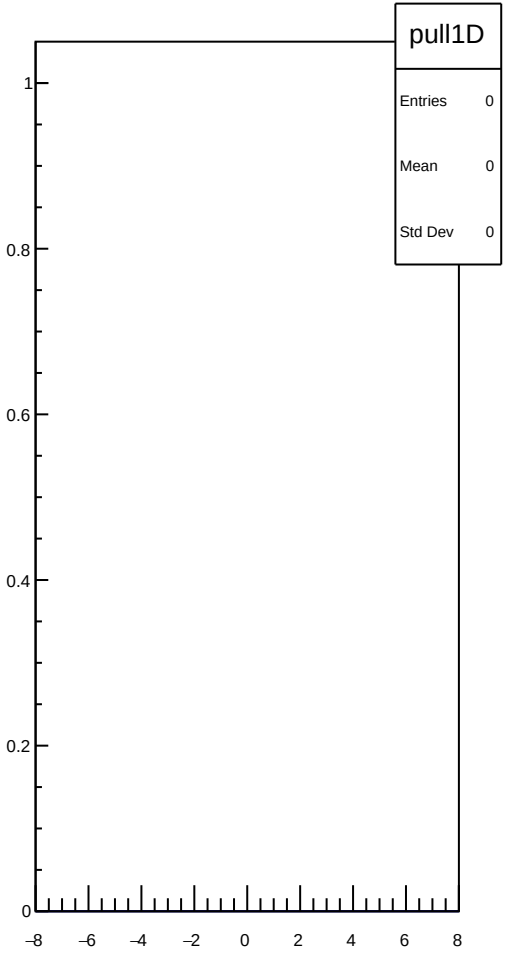

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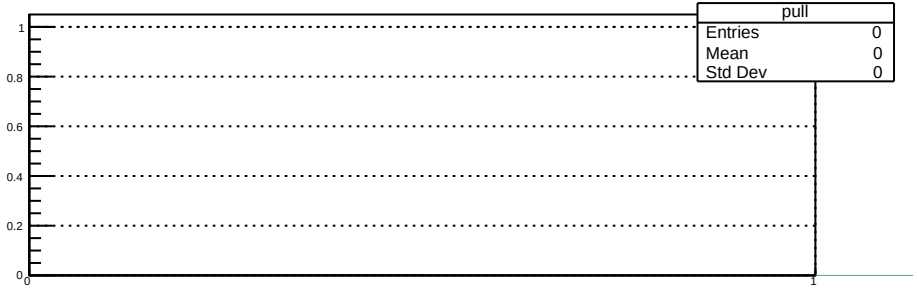

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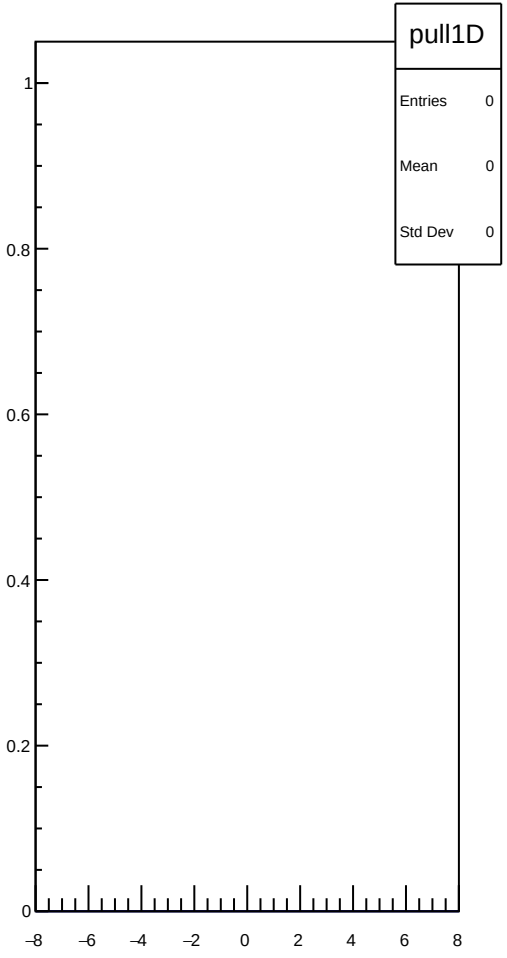

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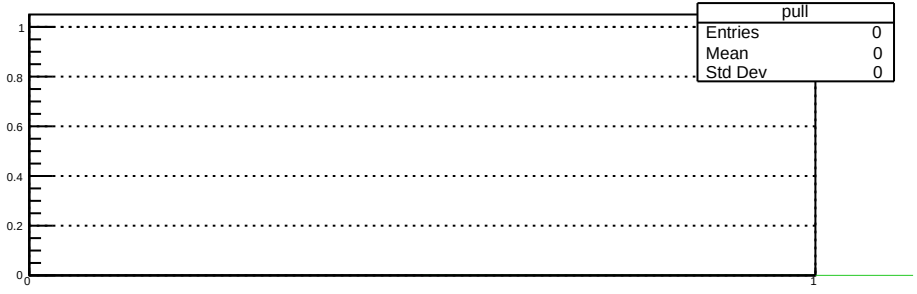

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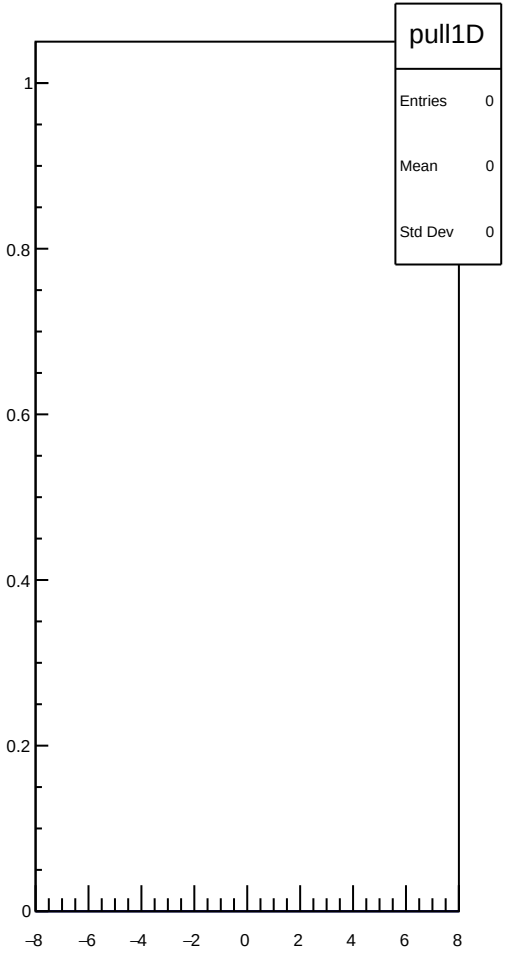

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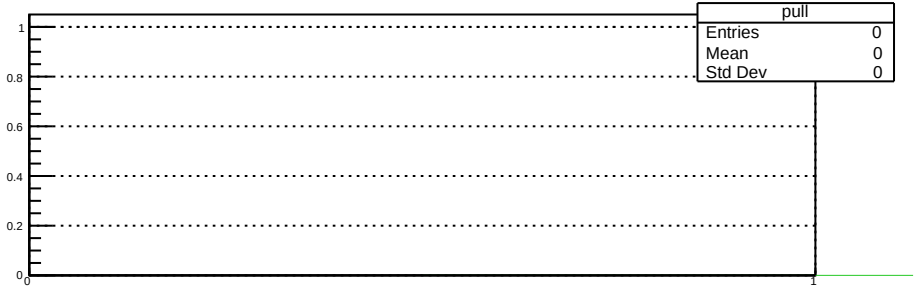

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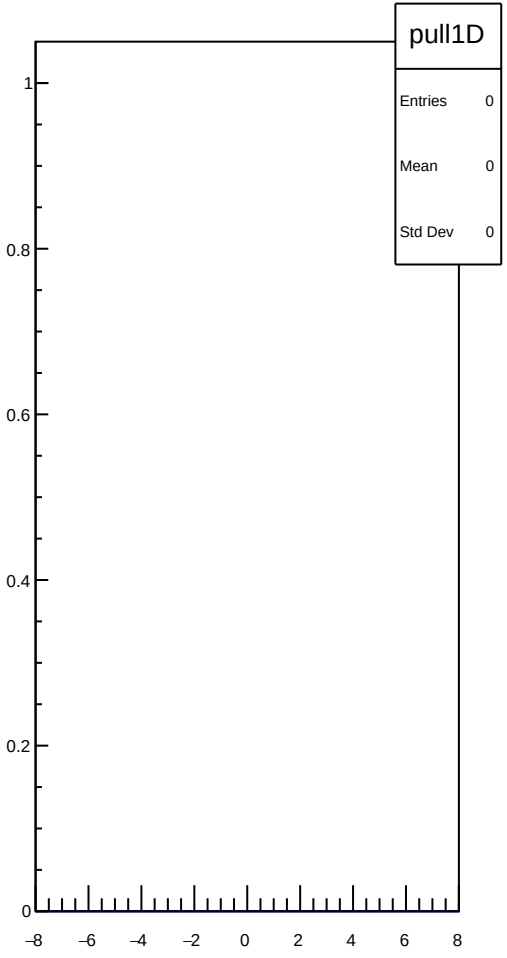

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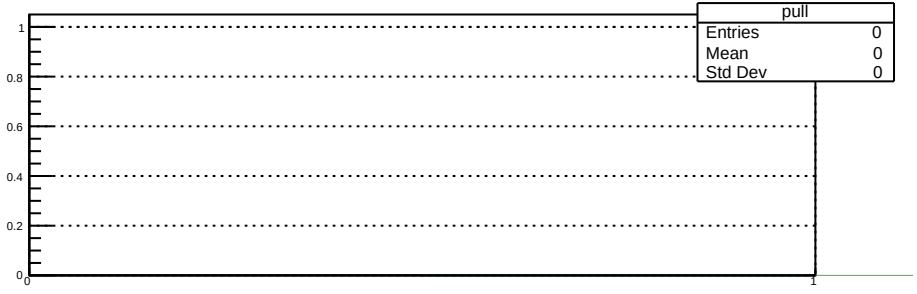

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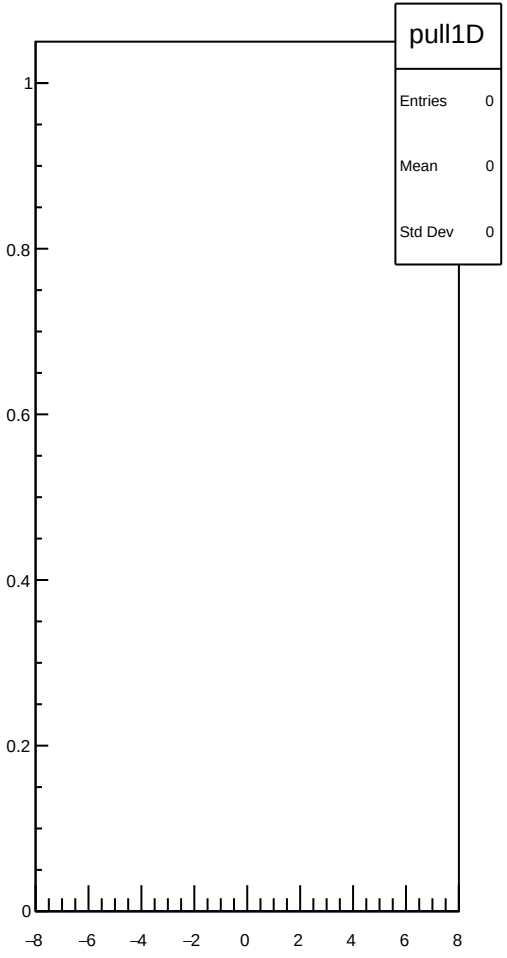

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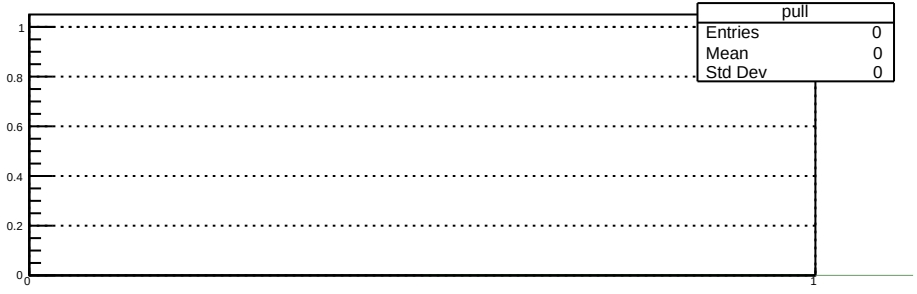

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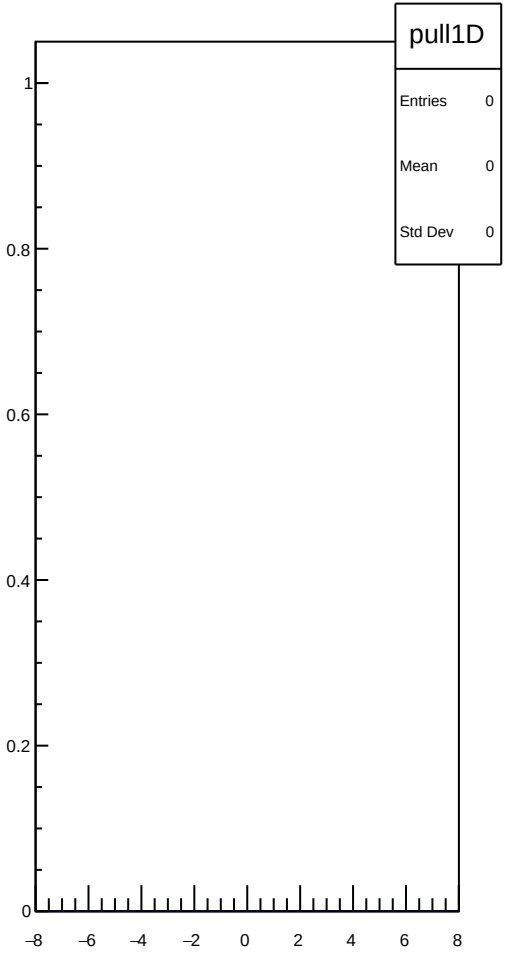

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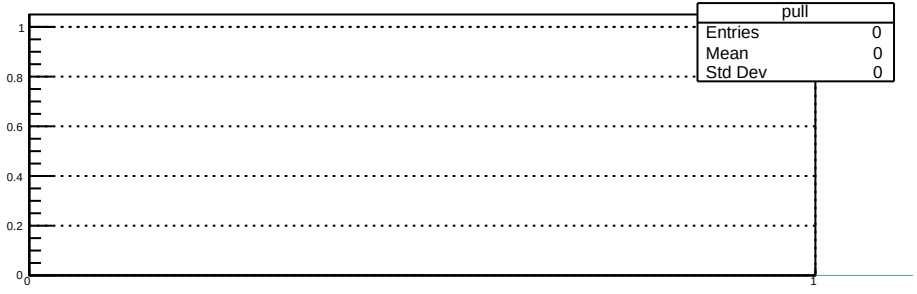

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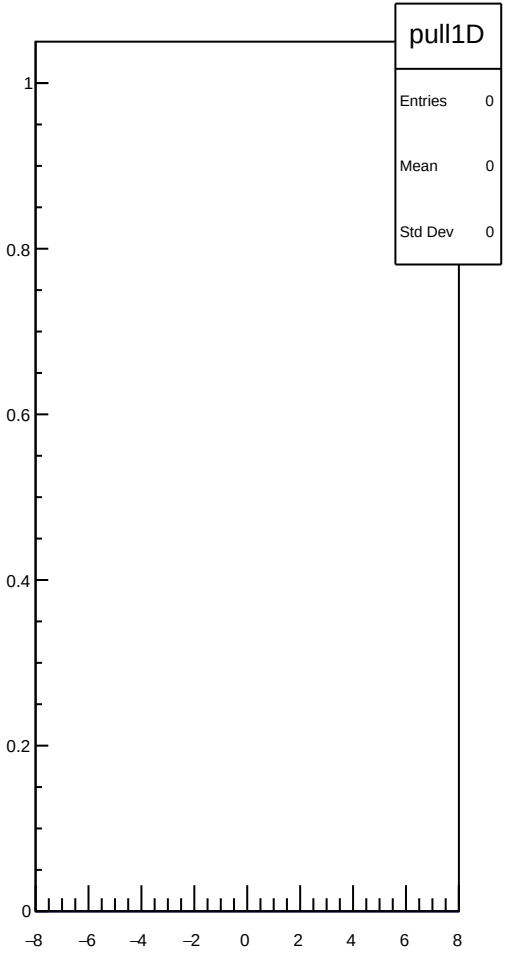

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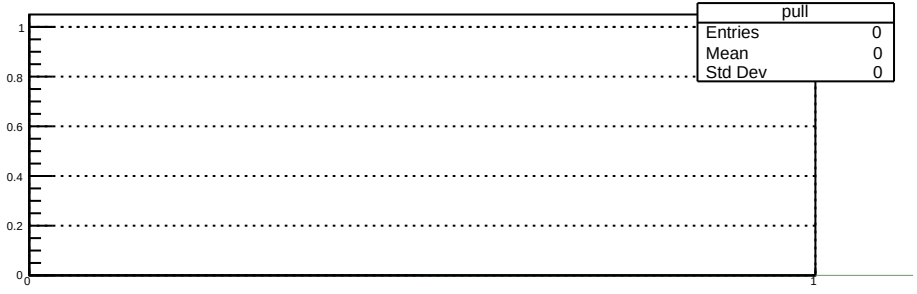

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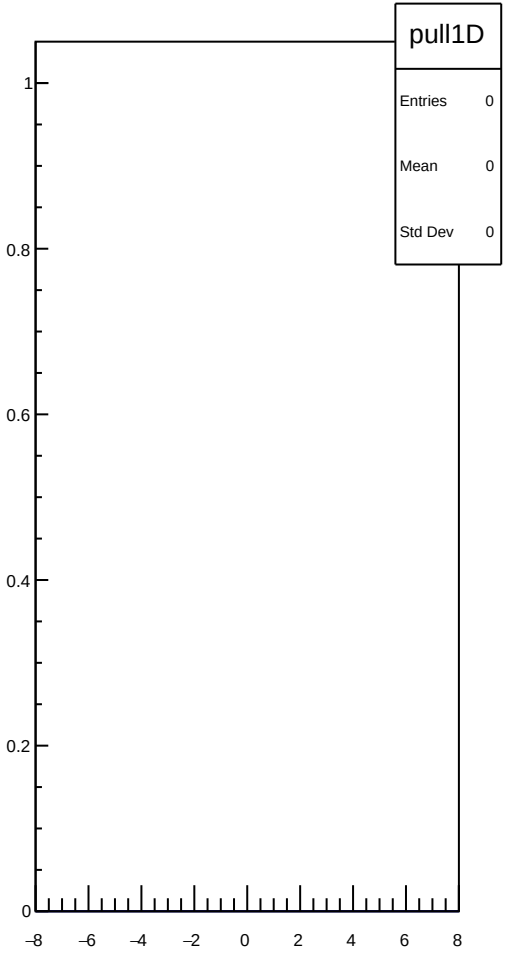

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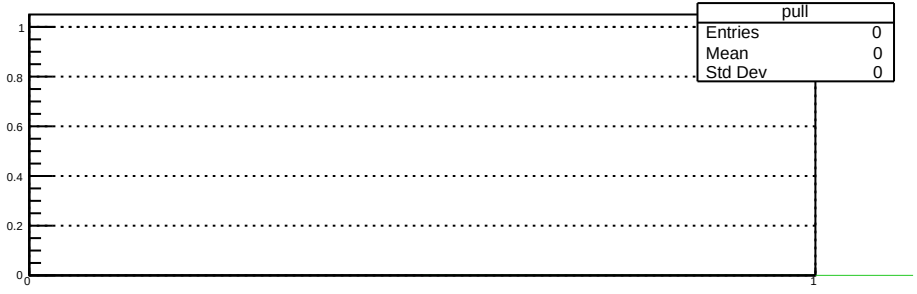

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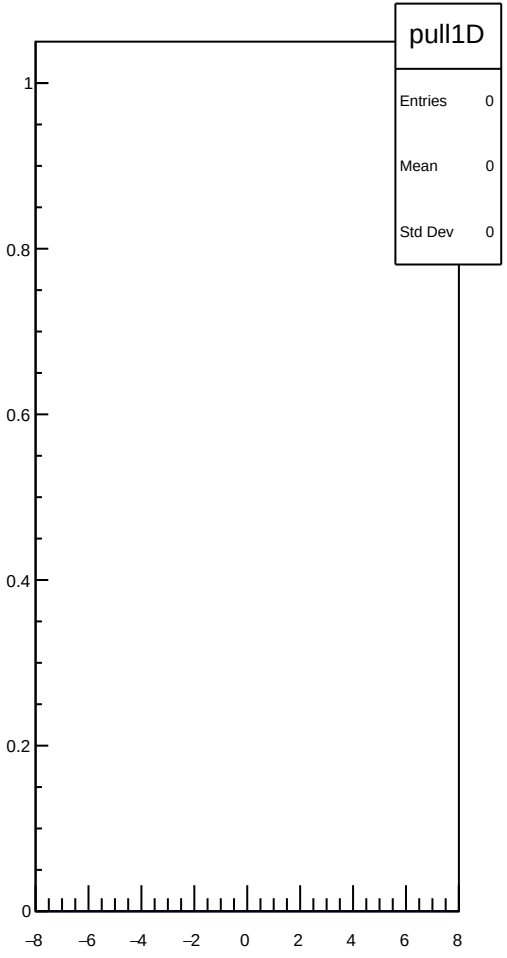

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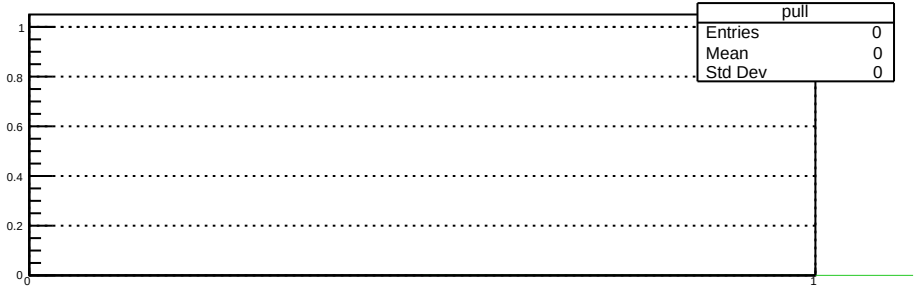

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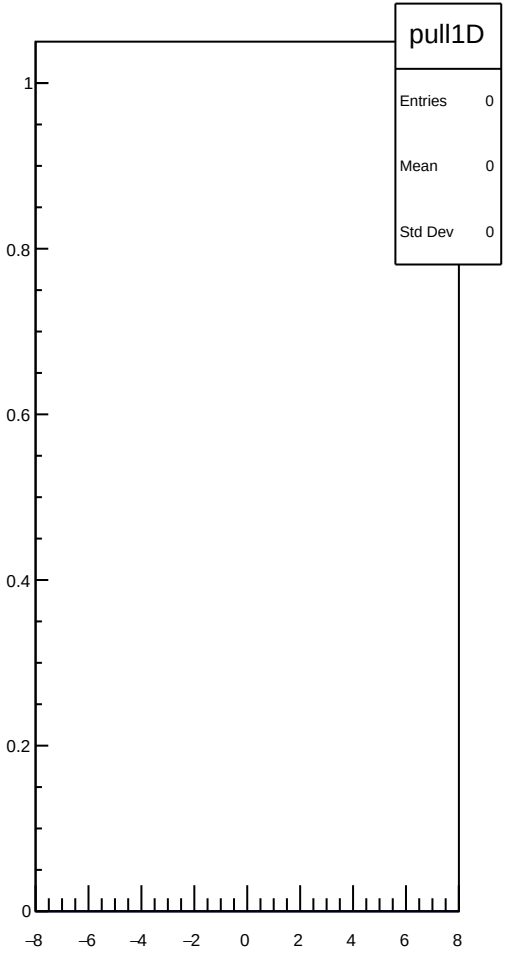

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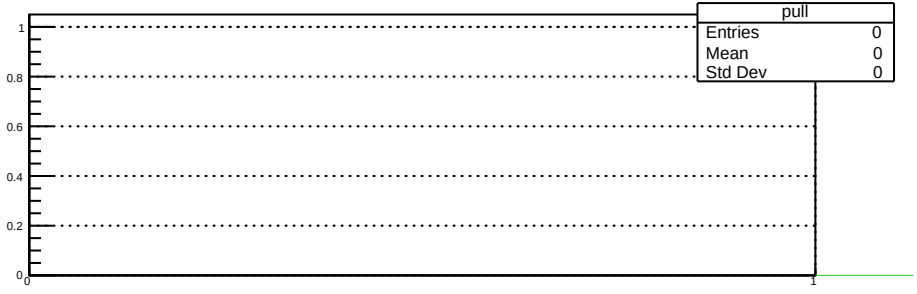

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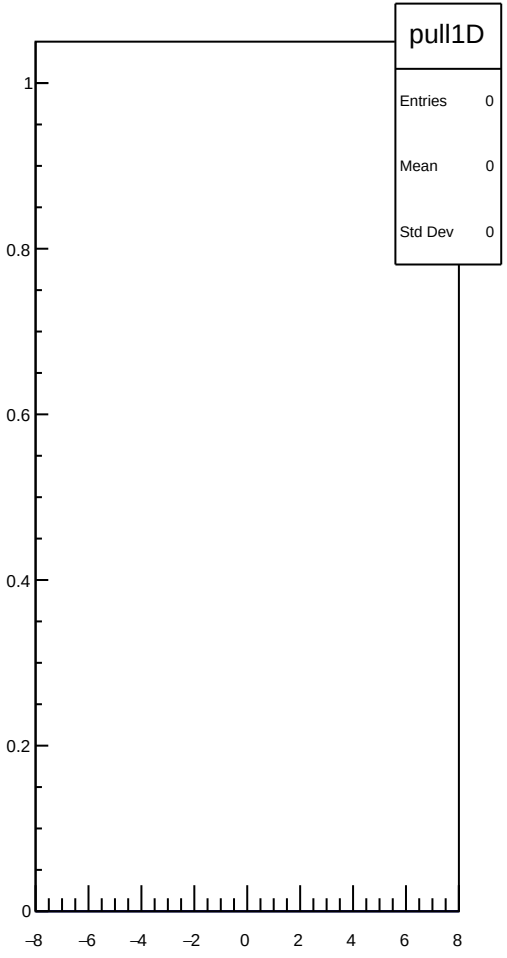

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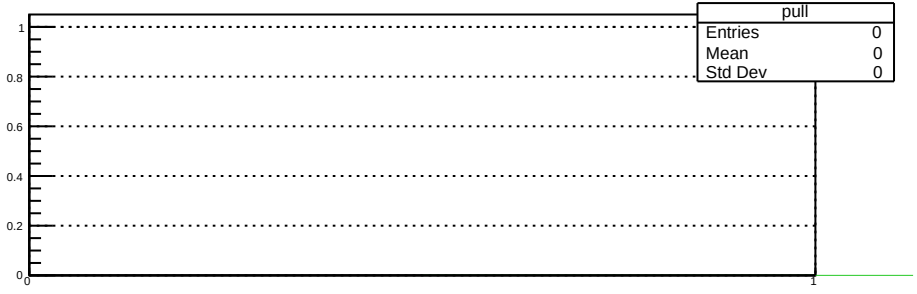

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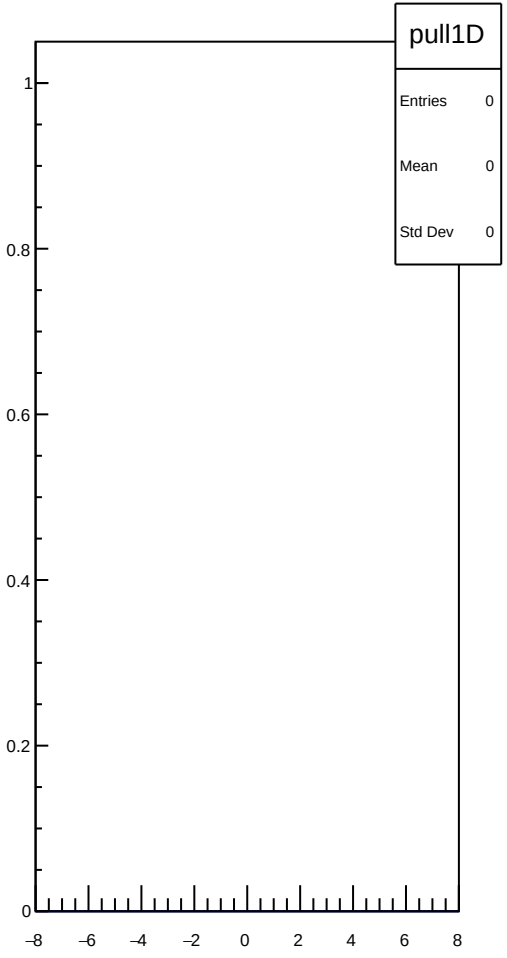

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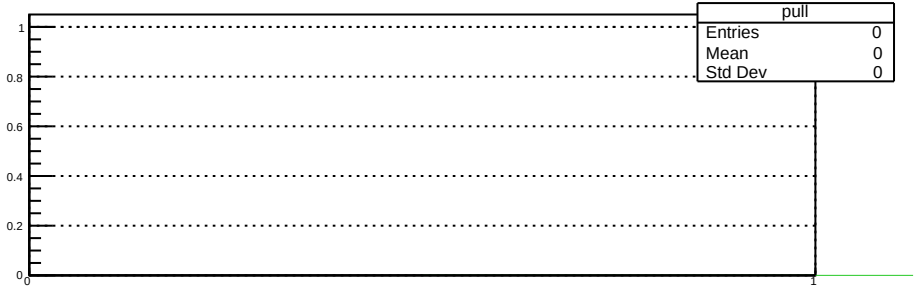

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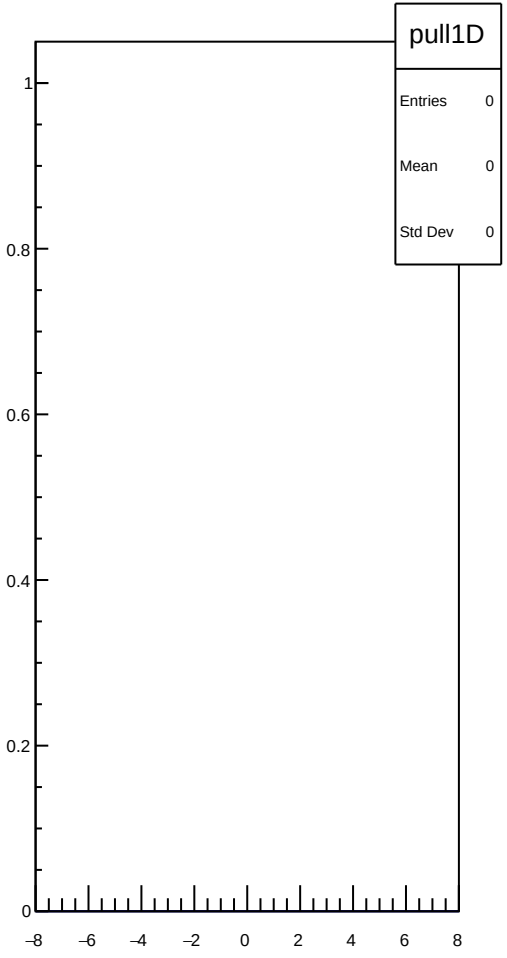

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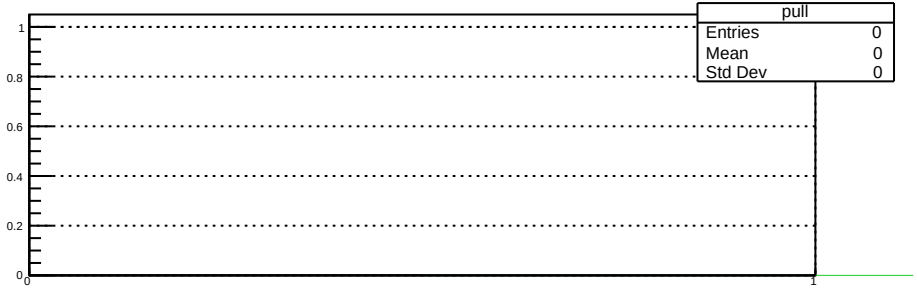

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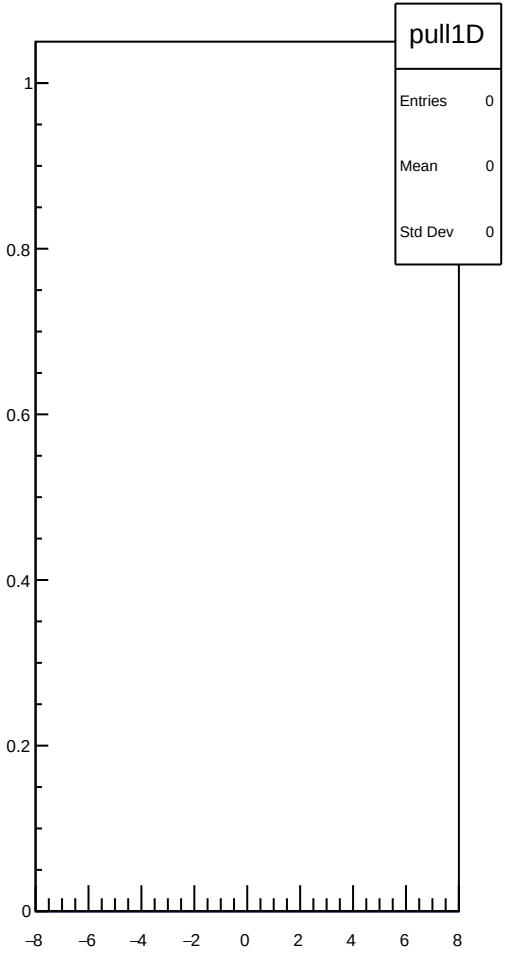

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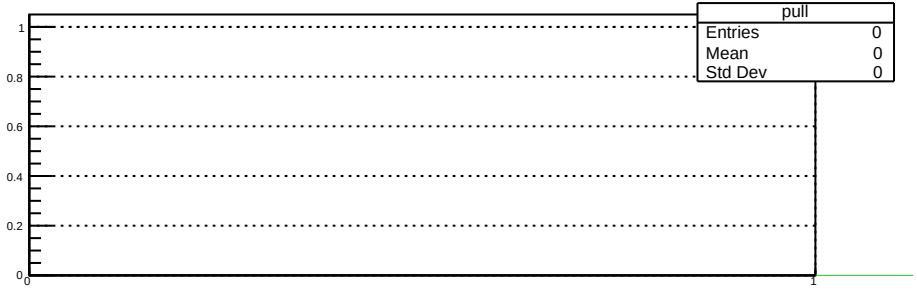

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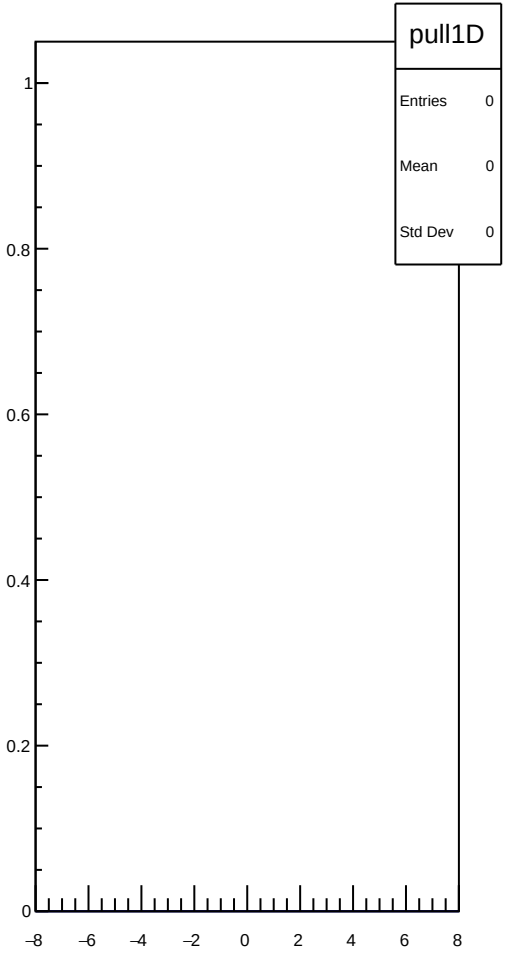

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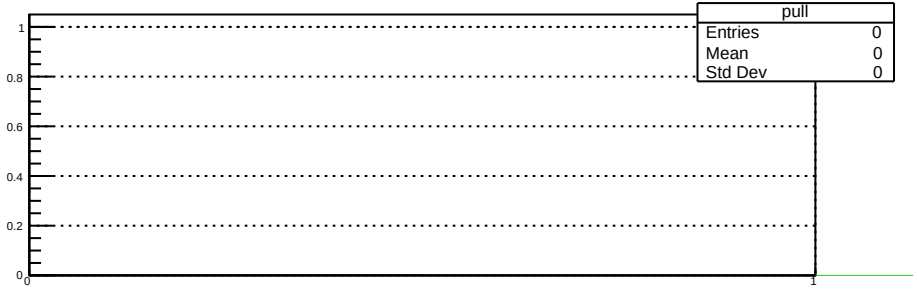

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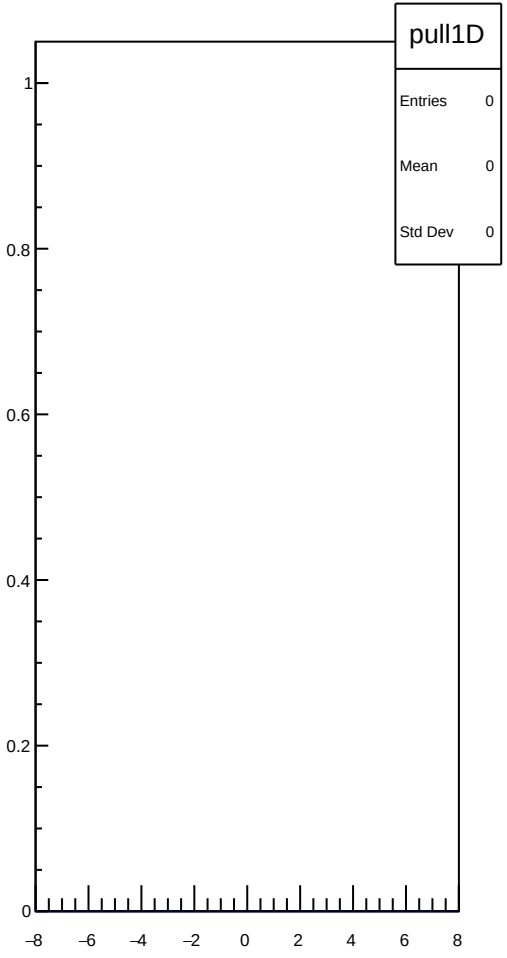

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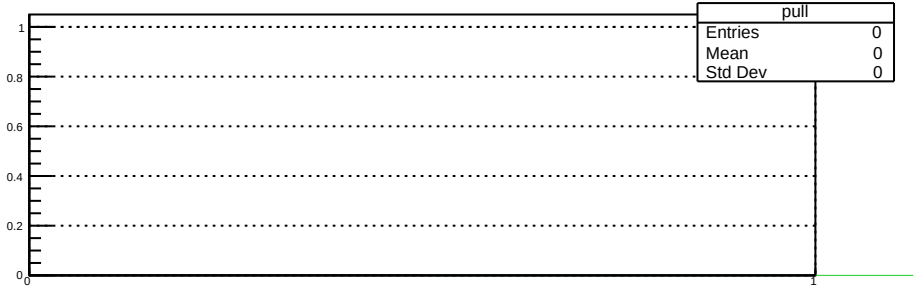

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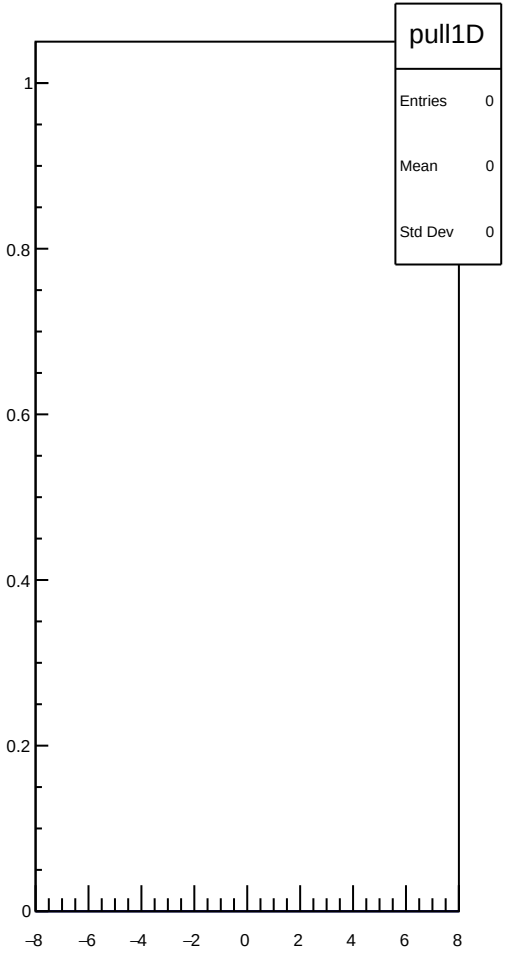

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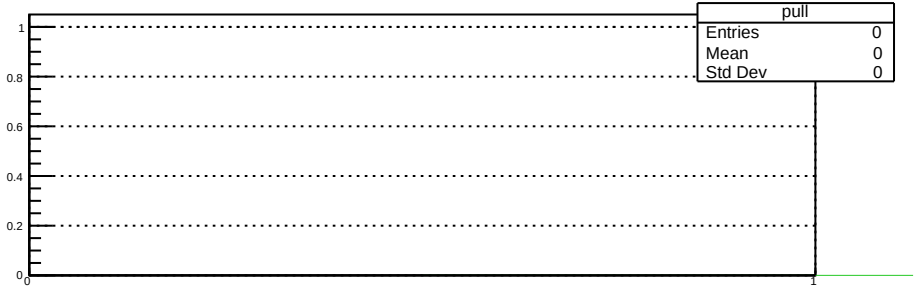

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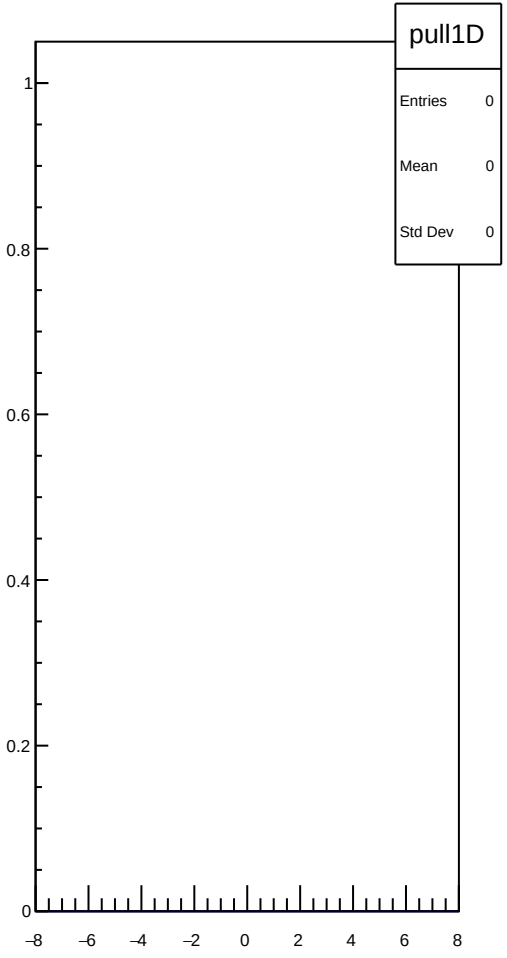

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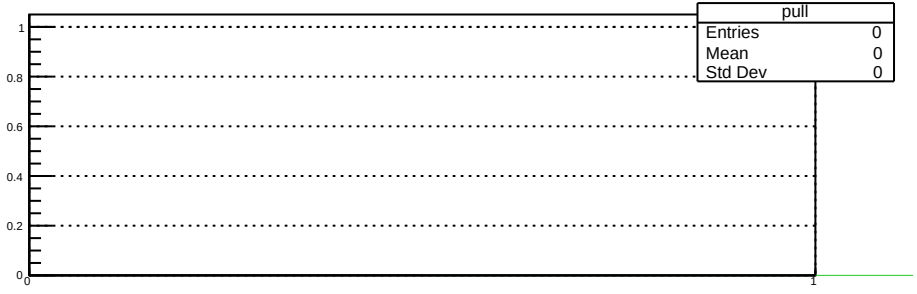

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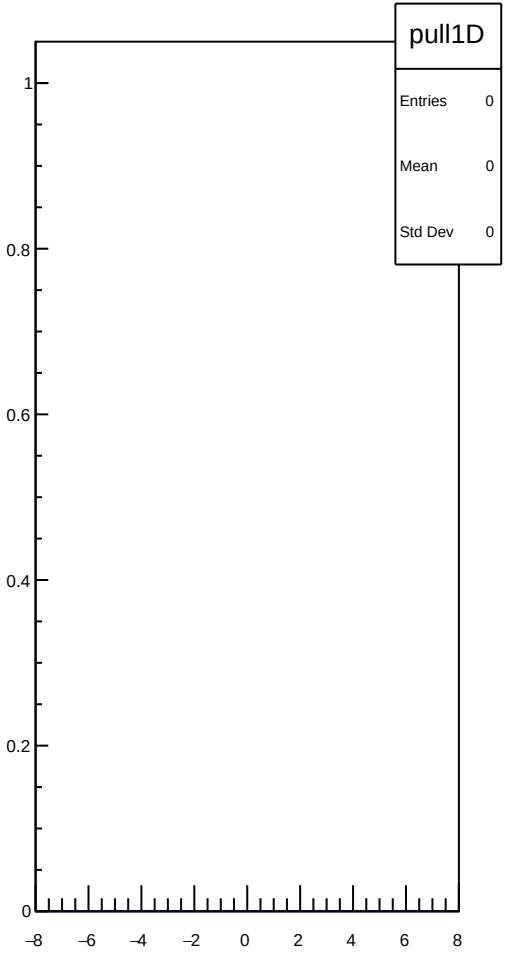

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Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

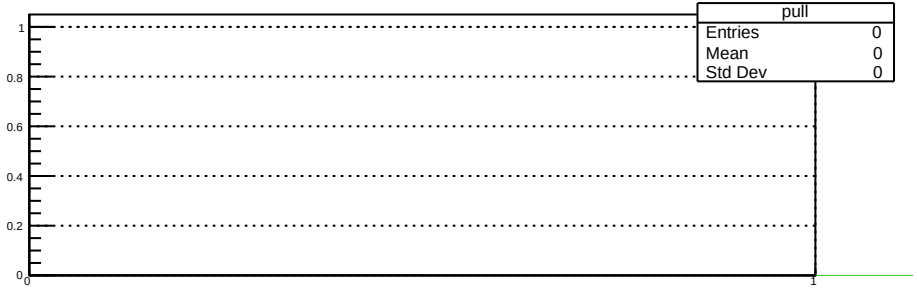

pull1D
Entries 0
Mean 0
Std Dev 0
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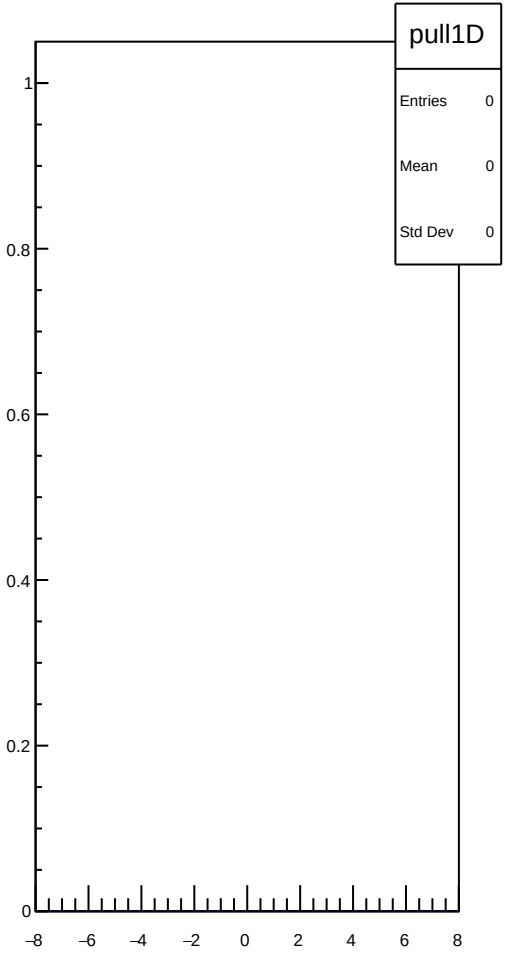

pull
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Std Dev 0
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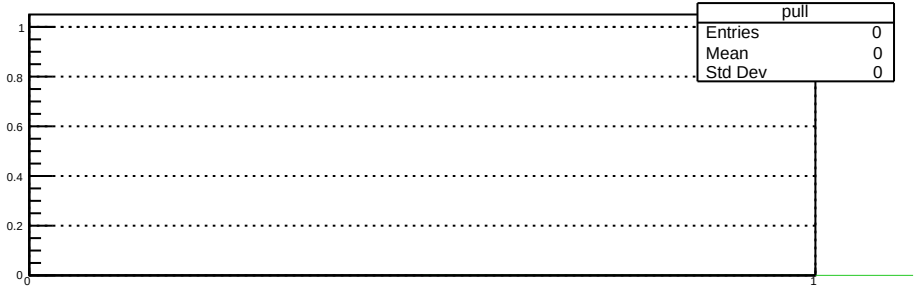

pull1D
Entries 0
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Std Dev 0
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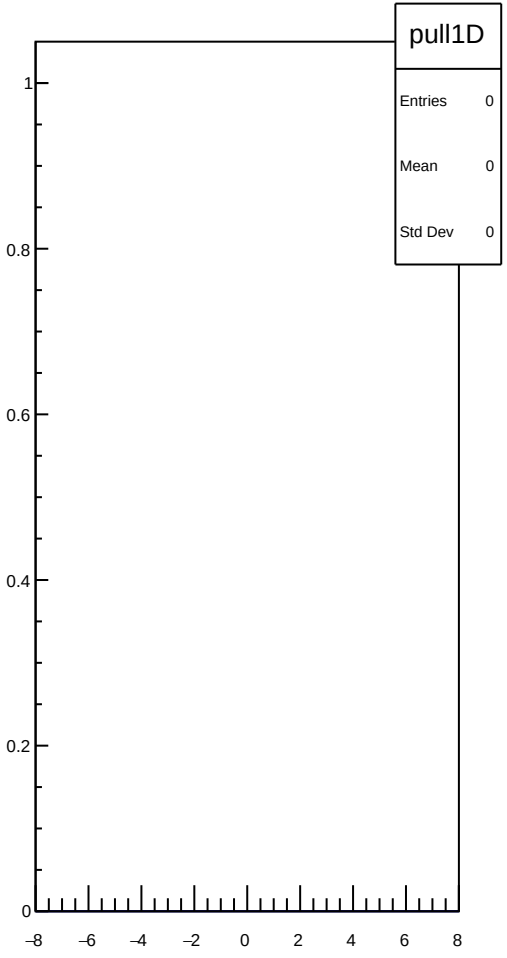

pull
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Std Dev 0
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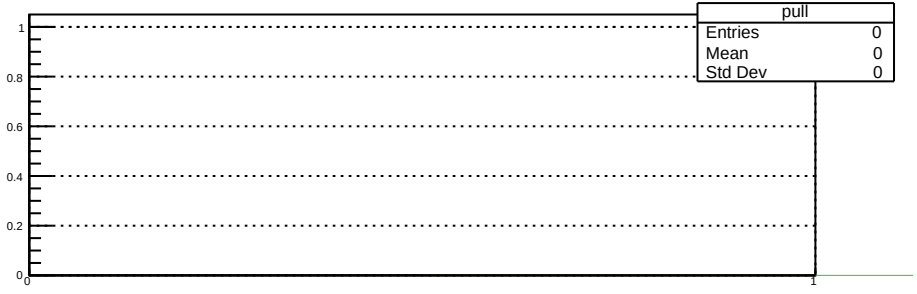

pull1D
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Std Dev 0
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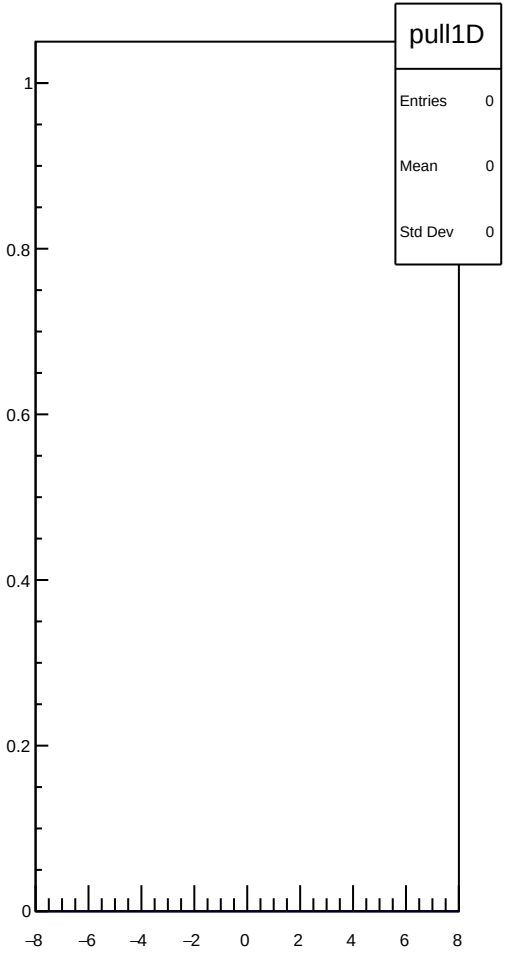

pull
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Std Dev 0
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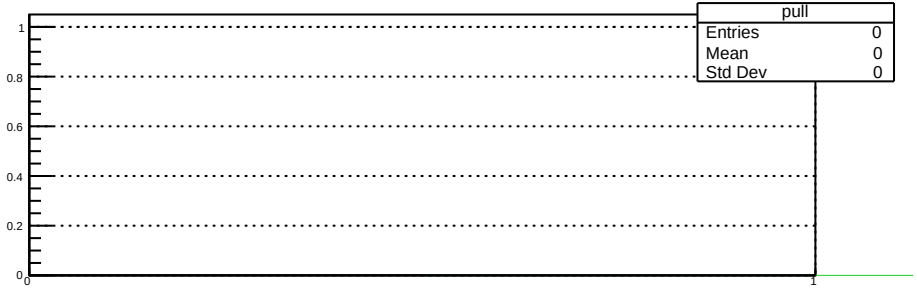

pull1D
Entries 0
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Std Dev 0
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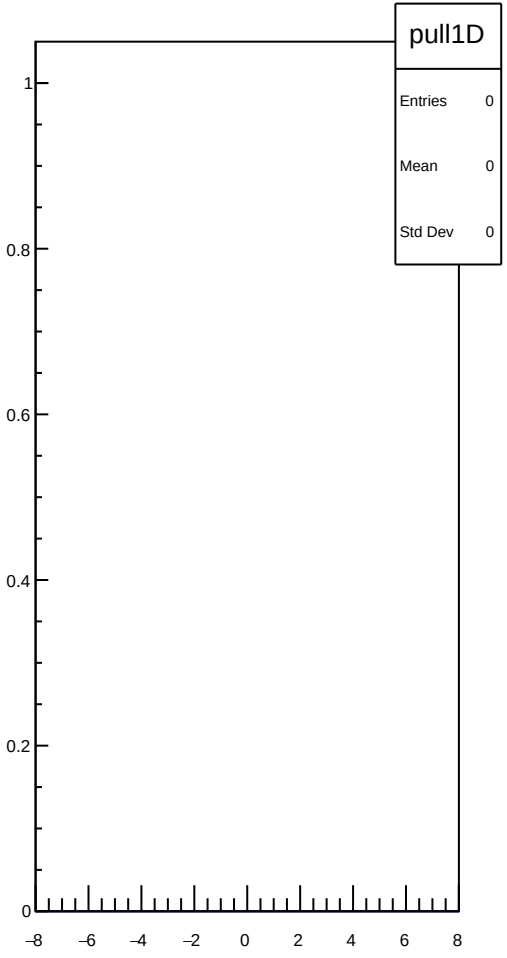

pull
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Std Dev 0
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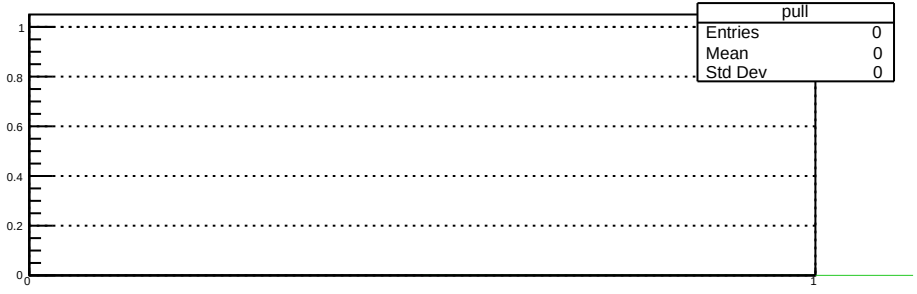

pull1D
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Std Dev 0
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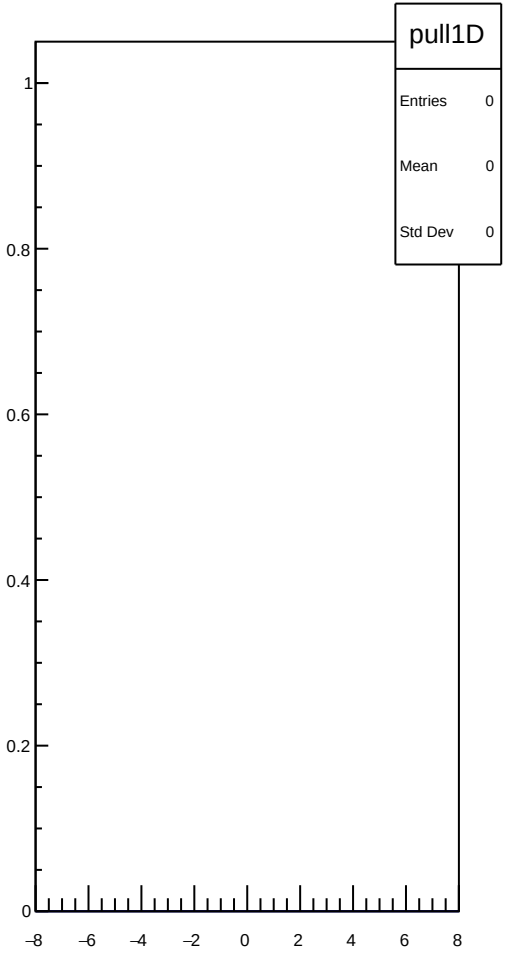

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Std Dev 0
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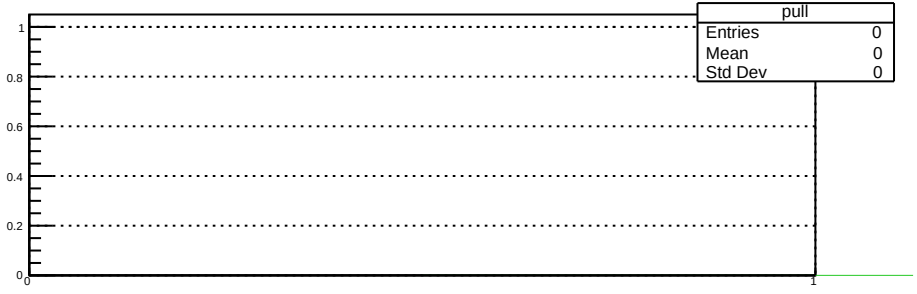

pull1D
Entries 0
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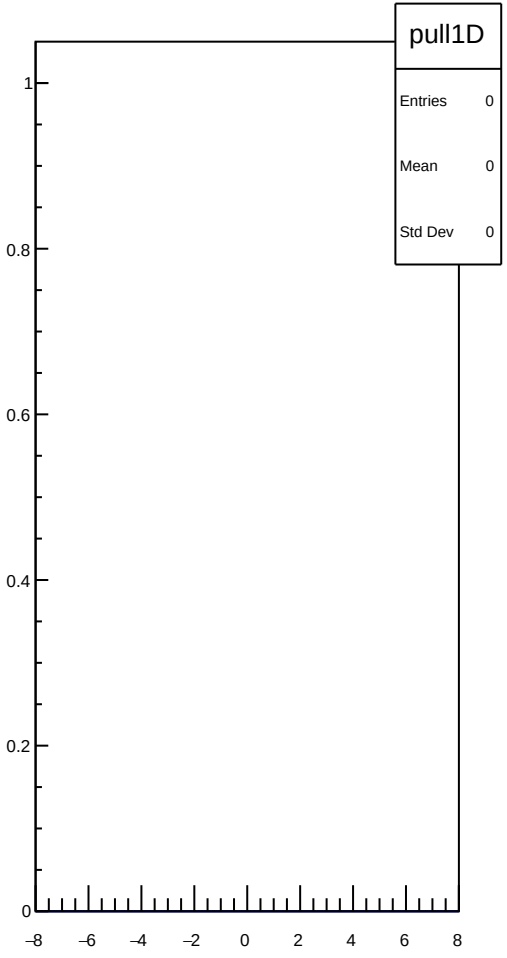

pull
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Std Dev 0
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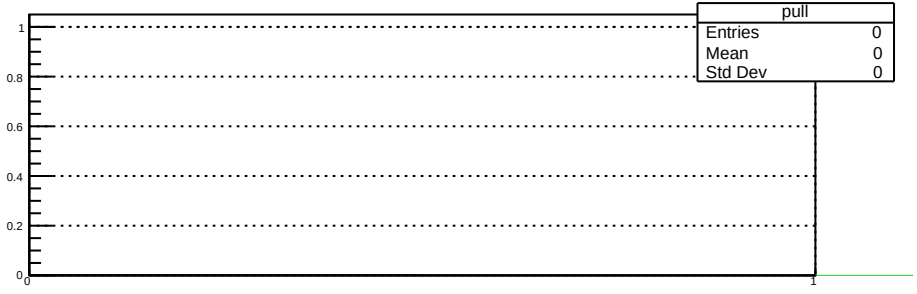

pull1D
Entries 0
Mean 0
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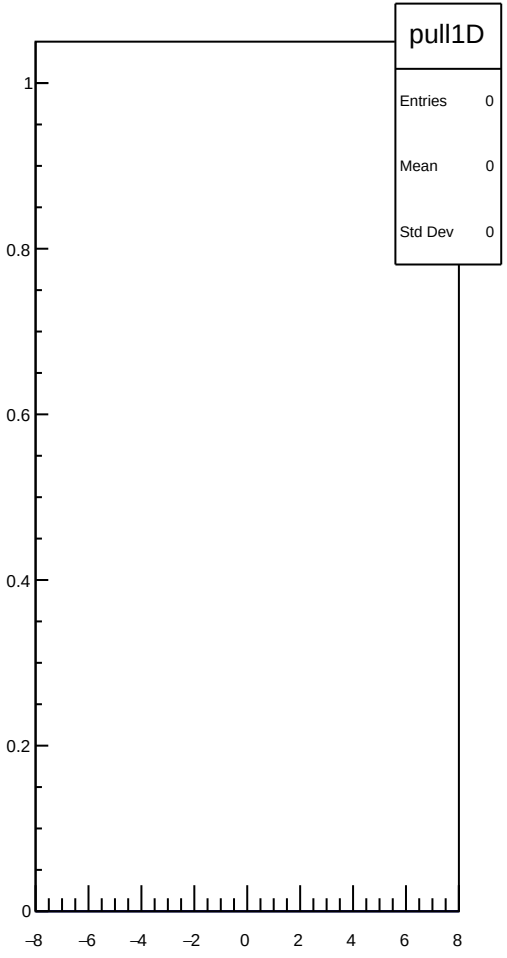

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Std Dev 0
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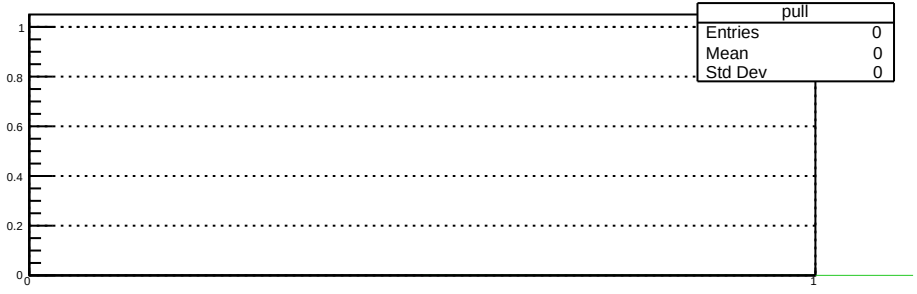

pull1D
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Mean 0
Std Dev 0
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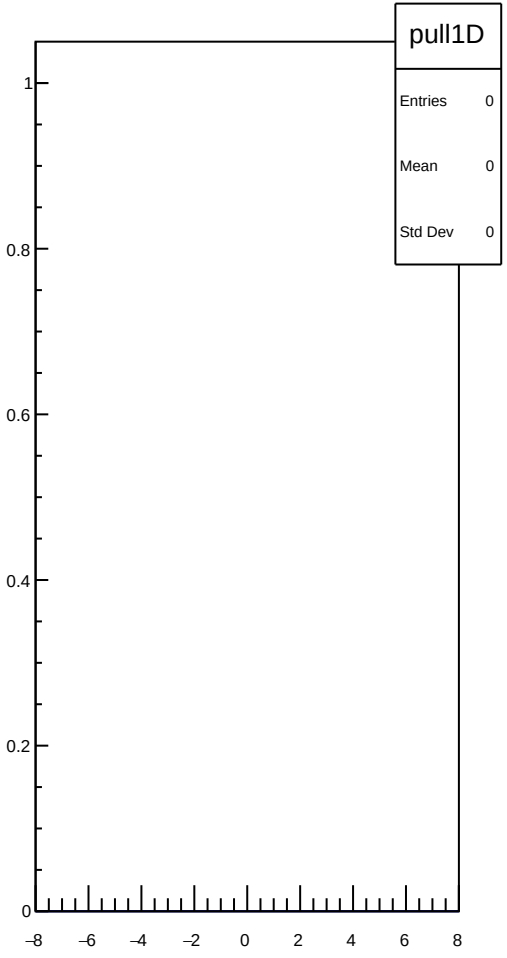

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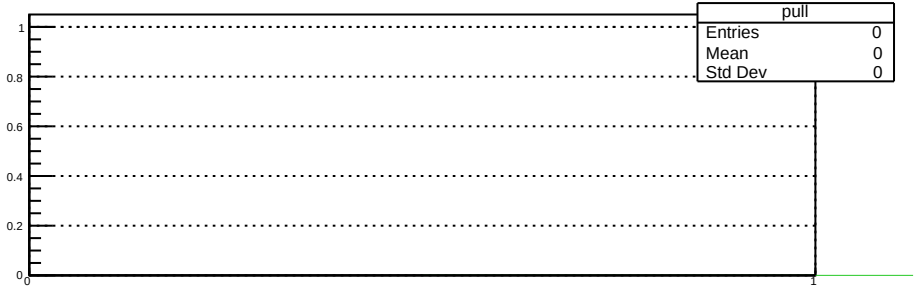

pull1D
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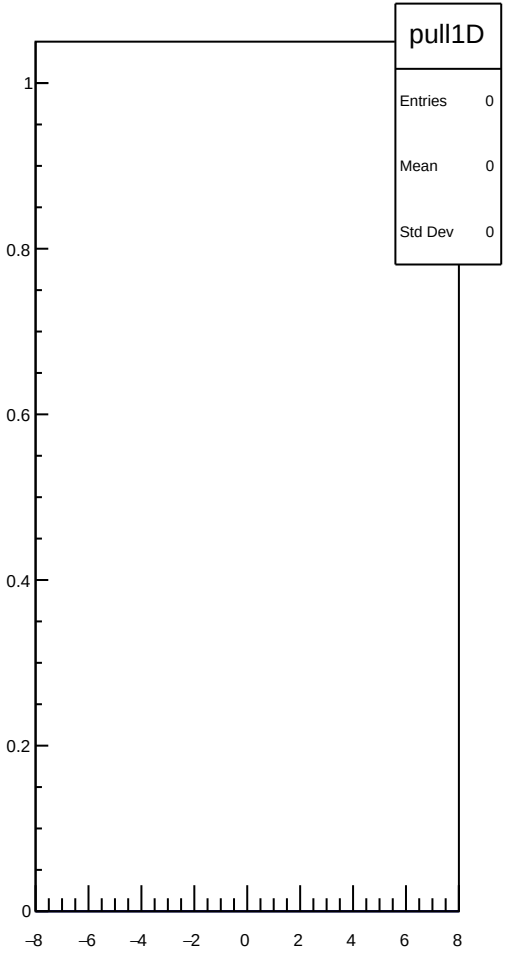

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Mean 0
Std Dev 0
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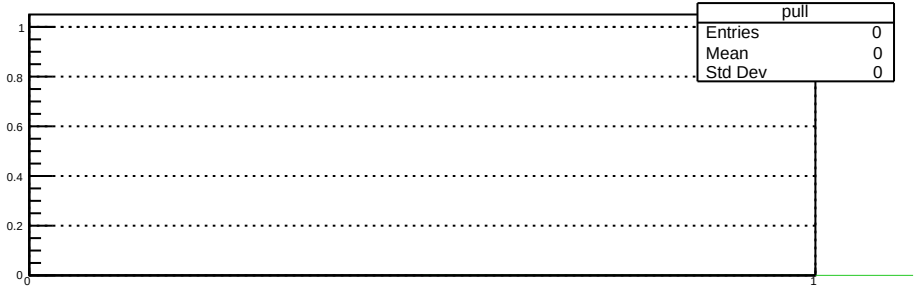

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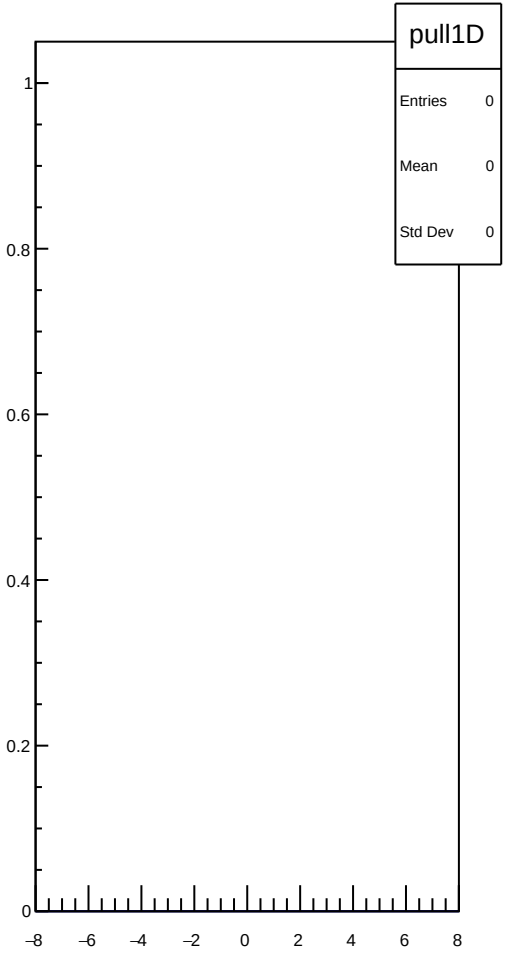

pull
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Std Dev 0
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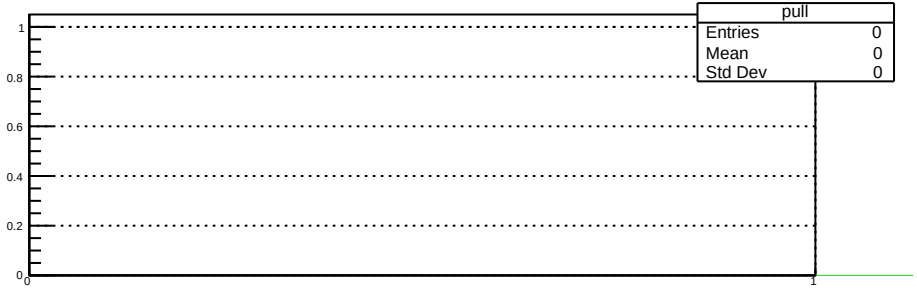

pull1D
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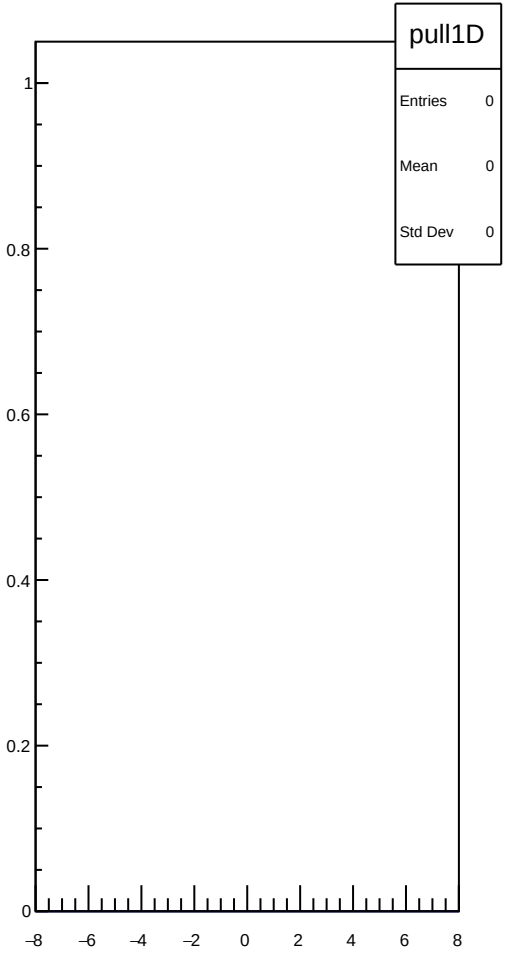

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Std Dev 0
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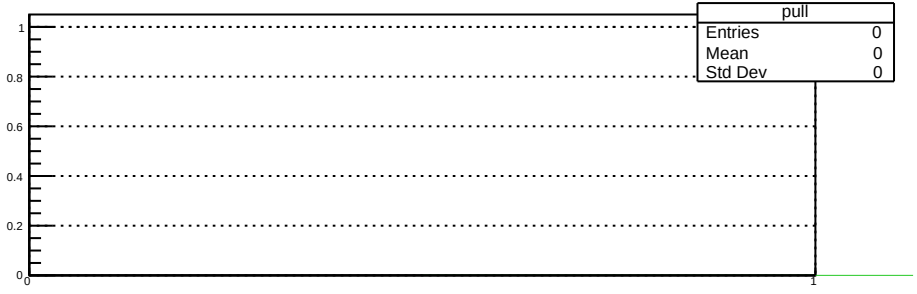

pull1D
Entries 0
Mean 0
Std Dev 0
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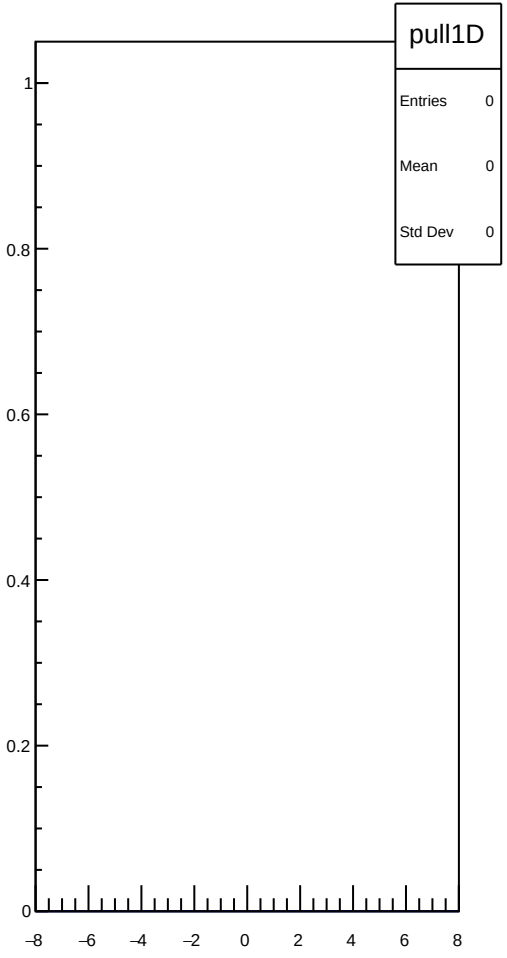

pull
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Std Dev 0
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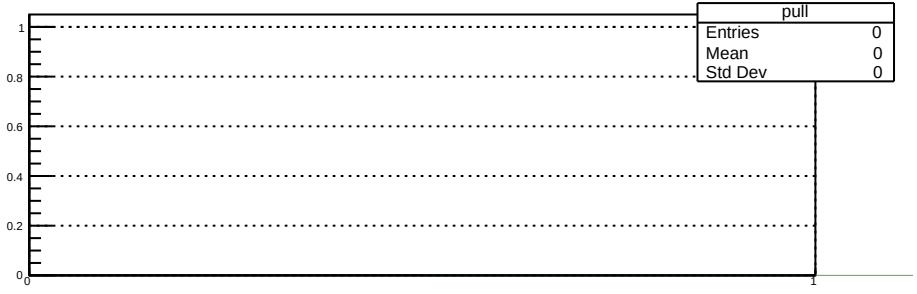

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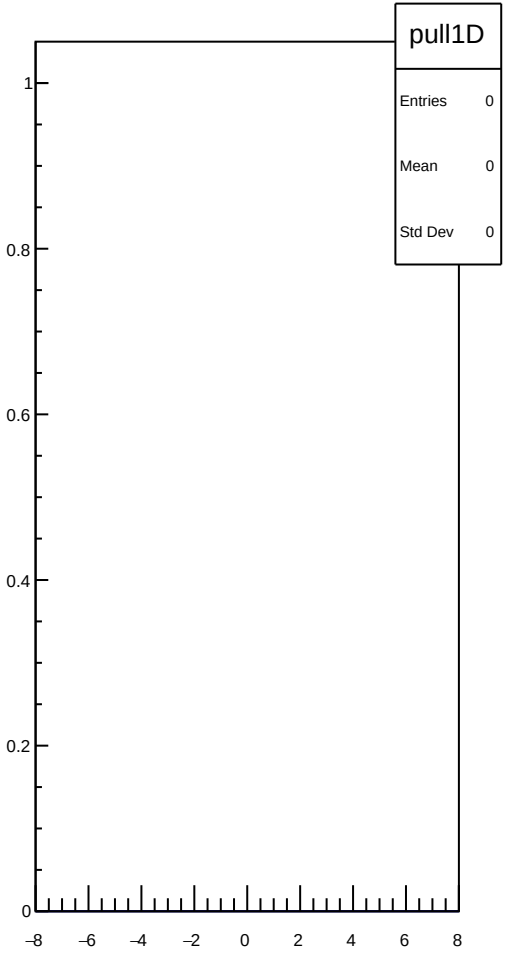

pull
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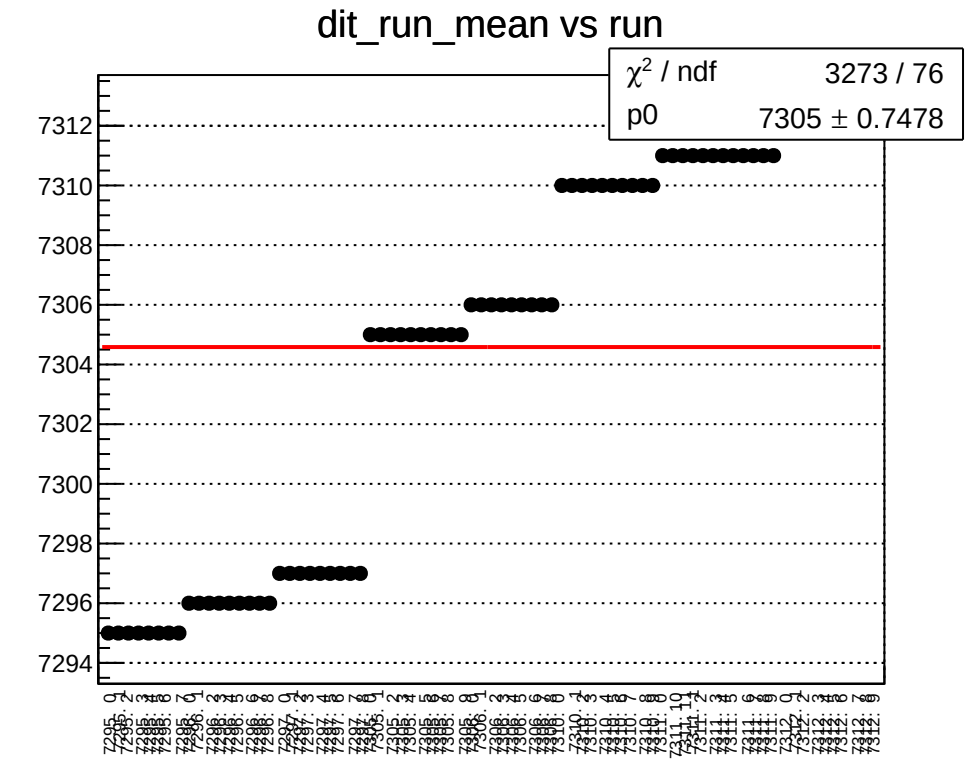

pull1D
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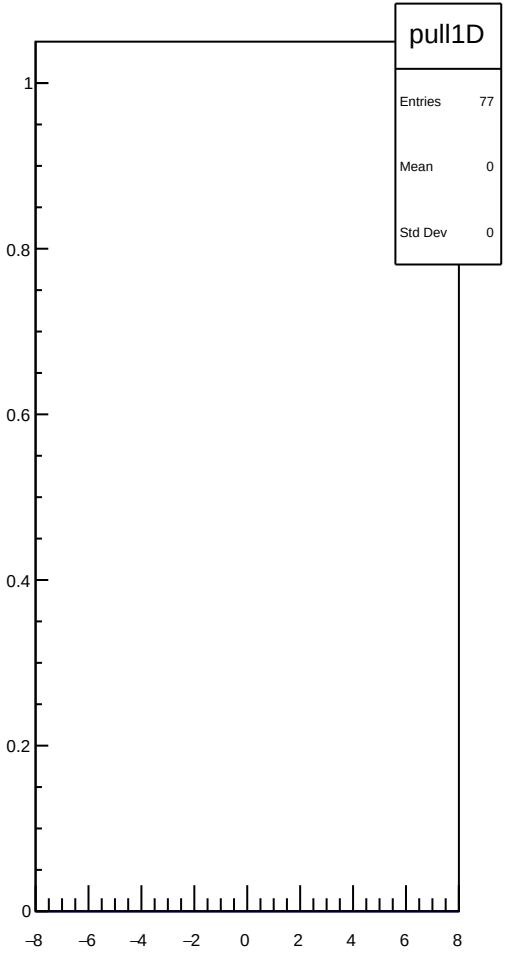

pull
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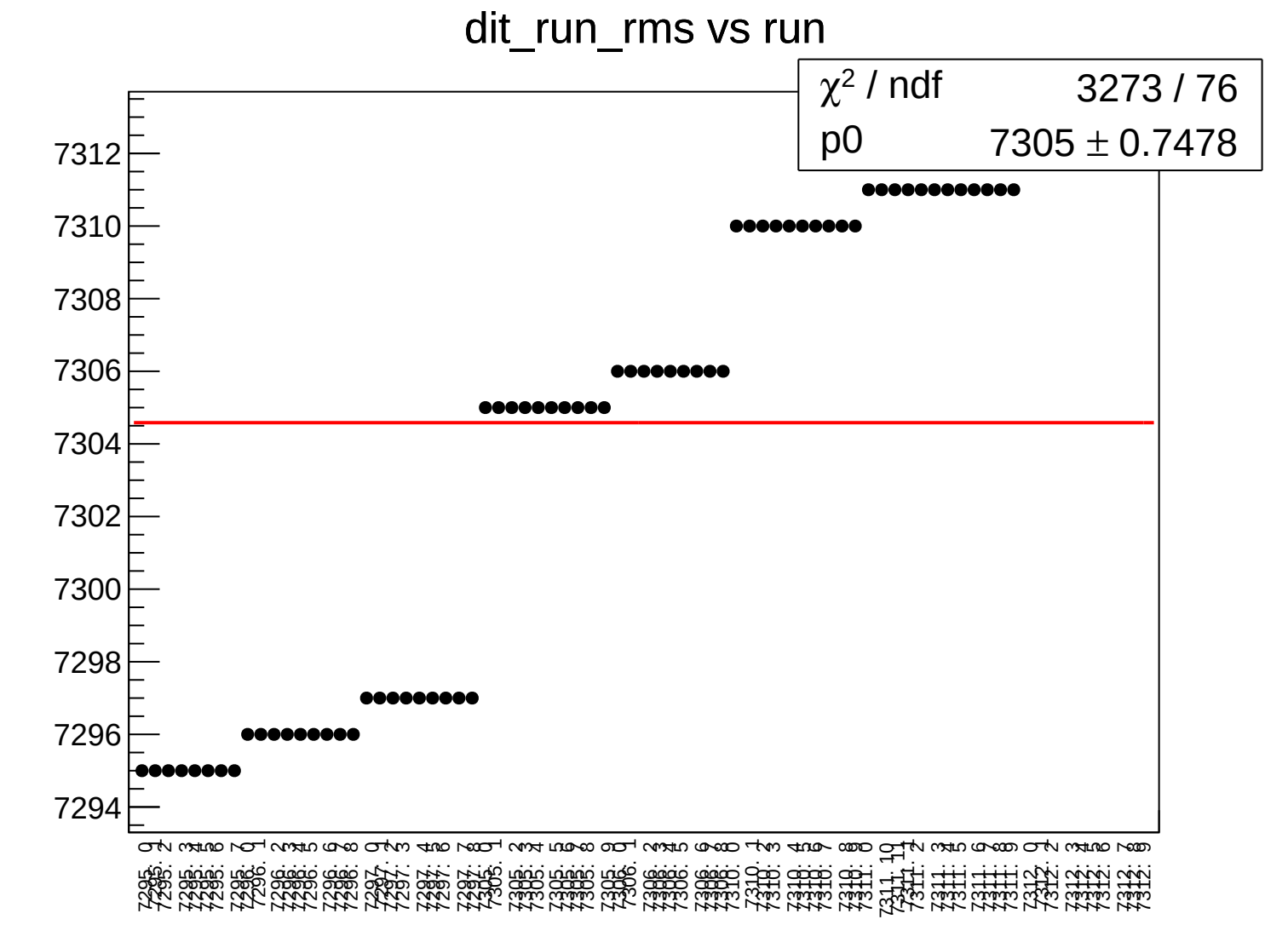

pull1D
Entries 0
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Std Dev 0
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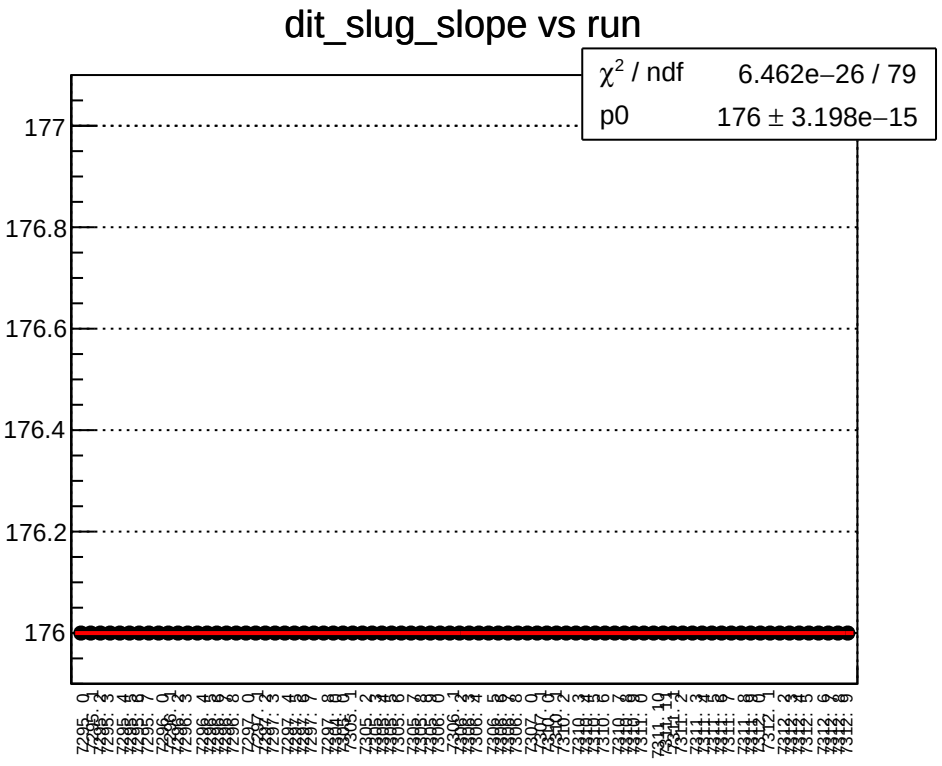

pull
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Std Dev 0
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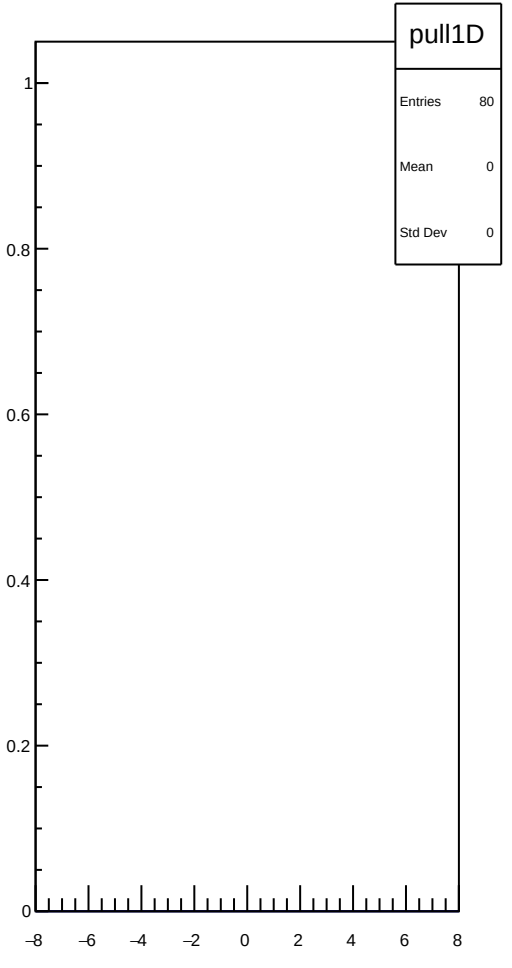

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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2
4
6
8

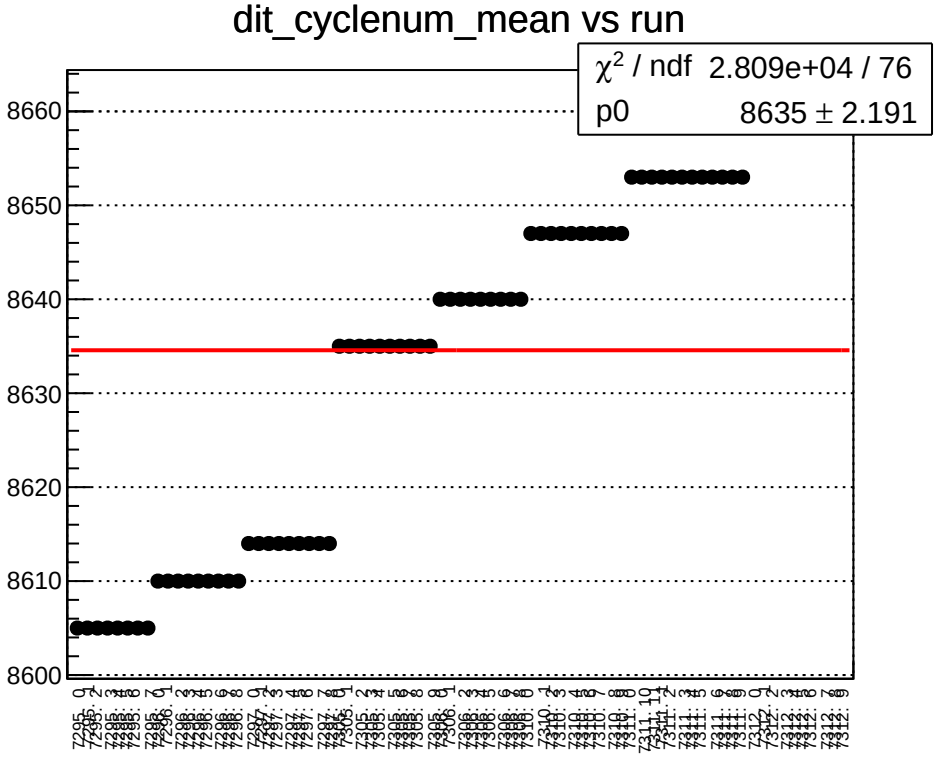

dit_run_mean vs run
χ^2 / ndf 3273 / 76
p0 7305 ± 0.7478
7312
7310
7308
7306
7304
7302
7300
7298
7296
7294

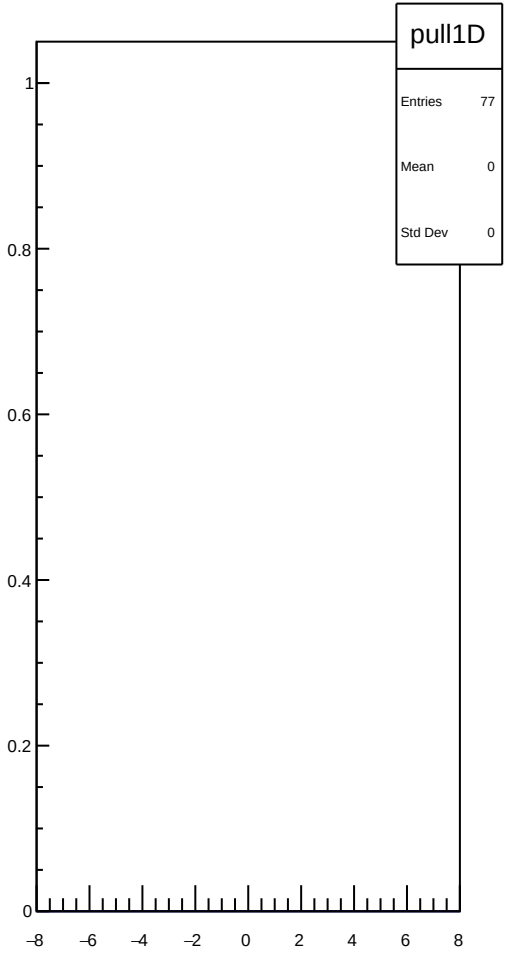

pull1D
Entries 77
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

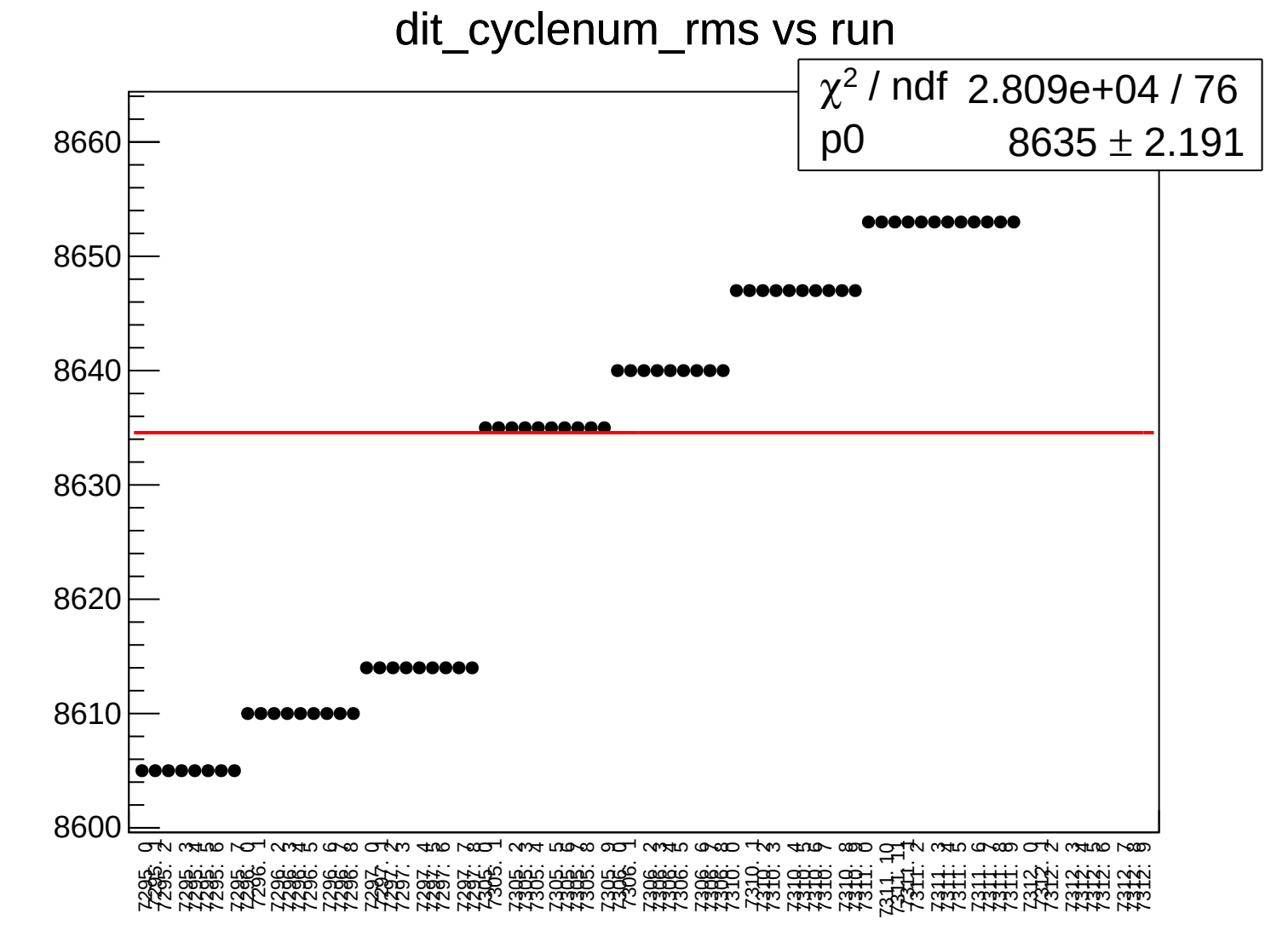

dit_run_rms vs run
χ² / ndf 3273 / 76
p0 7305 ± 0.7478
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7310
7308
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7304
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7298
7296
7294

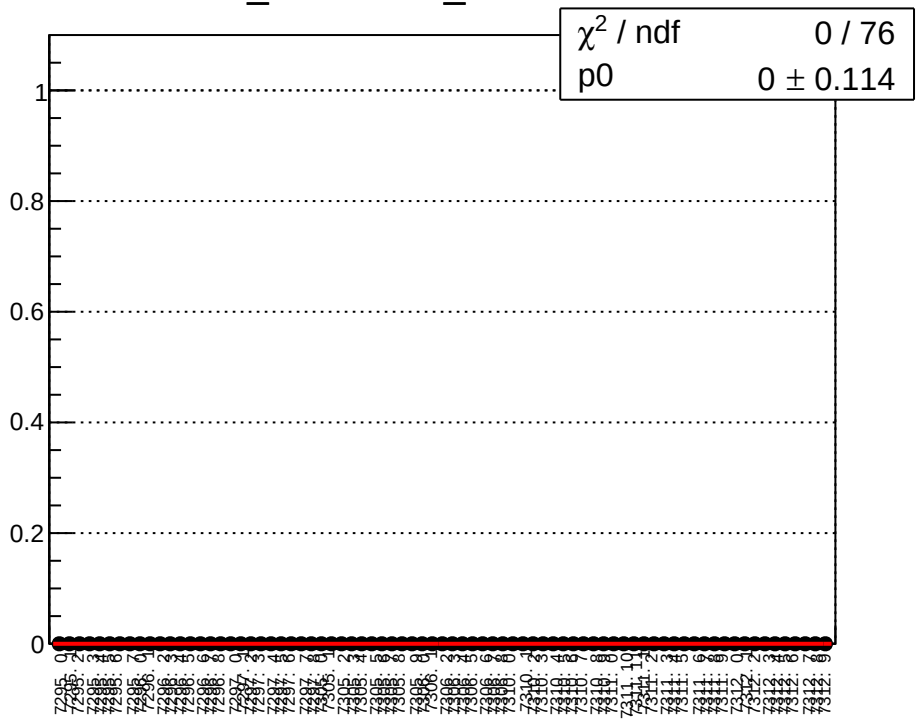

dit_slug_slope vs run
χ² / ndf 6.462e−26 / 79
p0 176 ± 3.198e−15
177
176.8
176.6
176.4
176.2
176

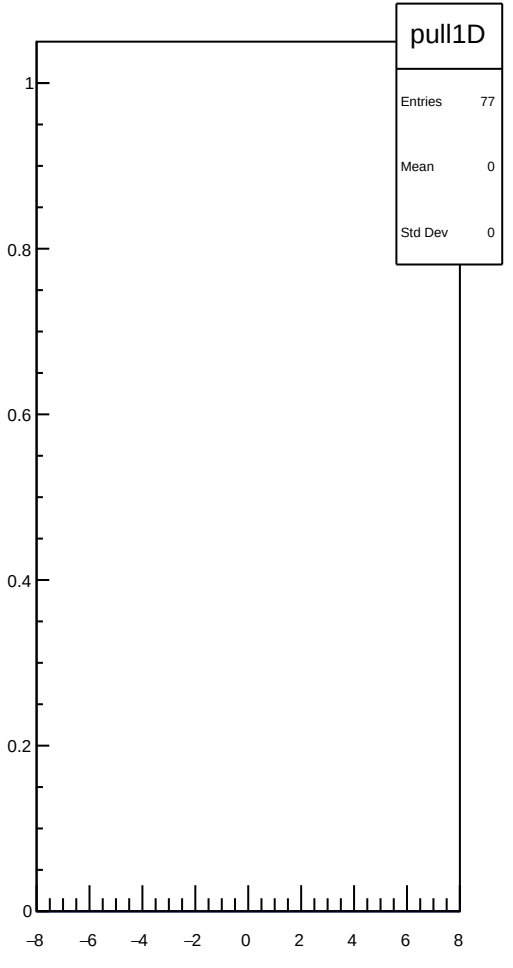

pull1D
Entries 80
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

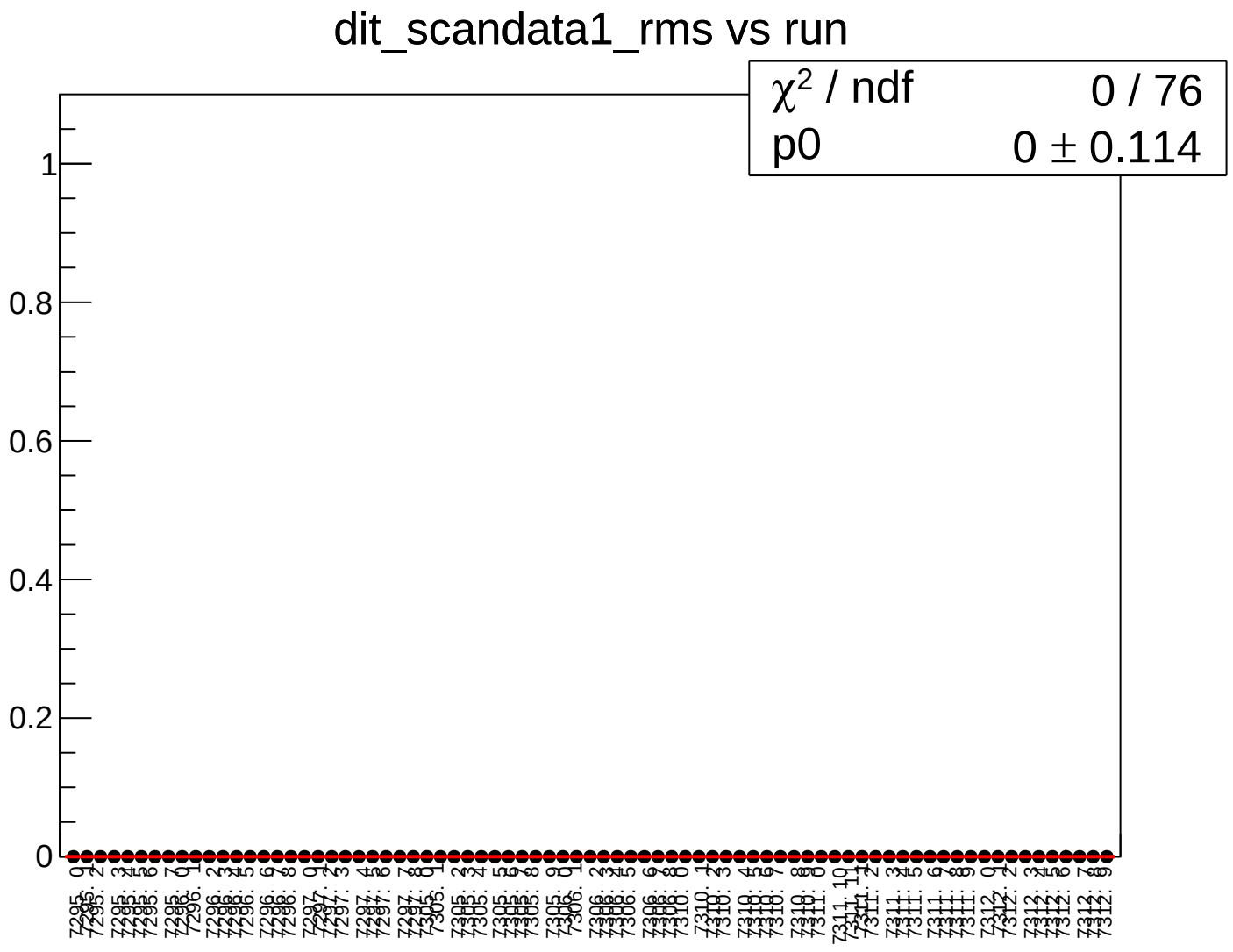

dit_cyclenum_mean vs run
χ^2 / ndf 2.809e+04 / 76
p0 8635 ± 2.191
8660
8650
8640
8630
8620
8610
8600

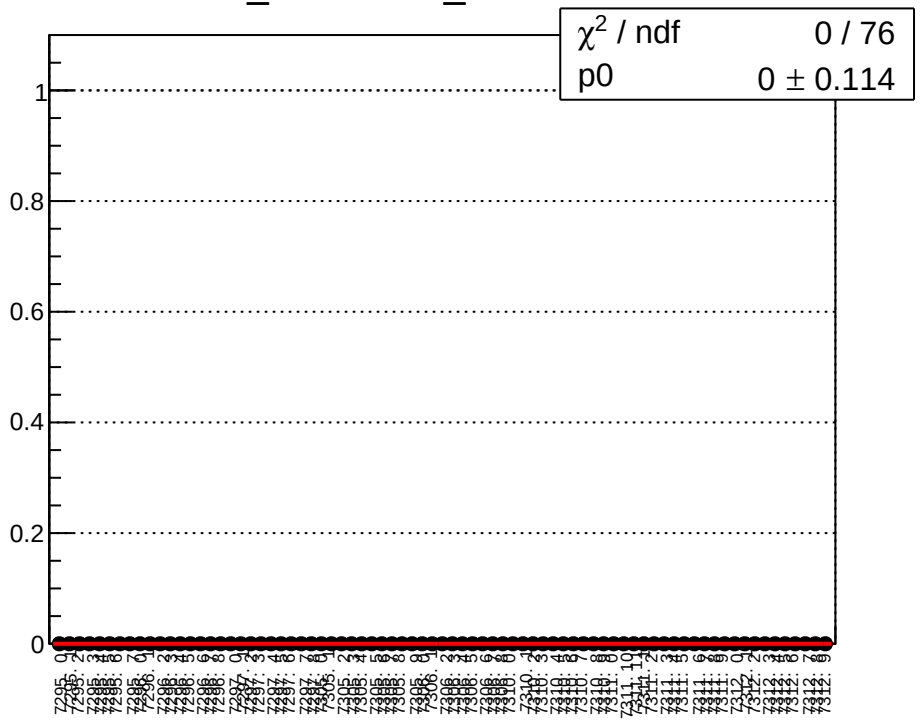

pull1D
Entries 77
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
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–4
–2
0
2
4
6
8

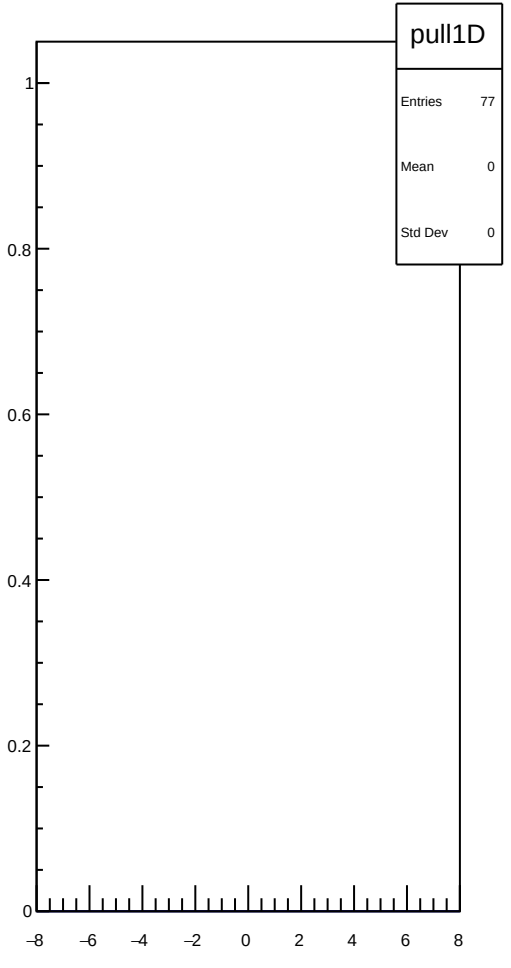

dit_cyclenum_rms vs run
χ² / ndf 2.809e+04 / 76
p0 8635 ± 2.191
8660
8650
8640
8630
8620
8610
8600

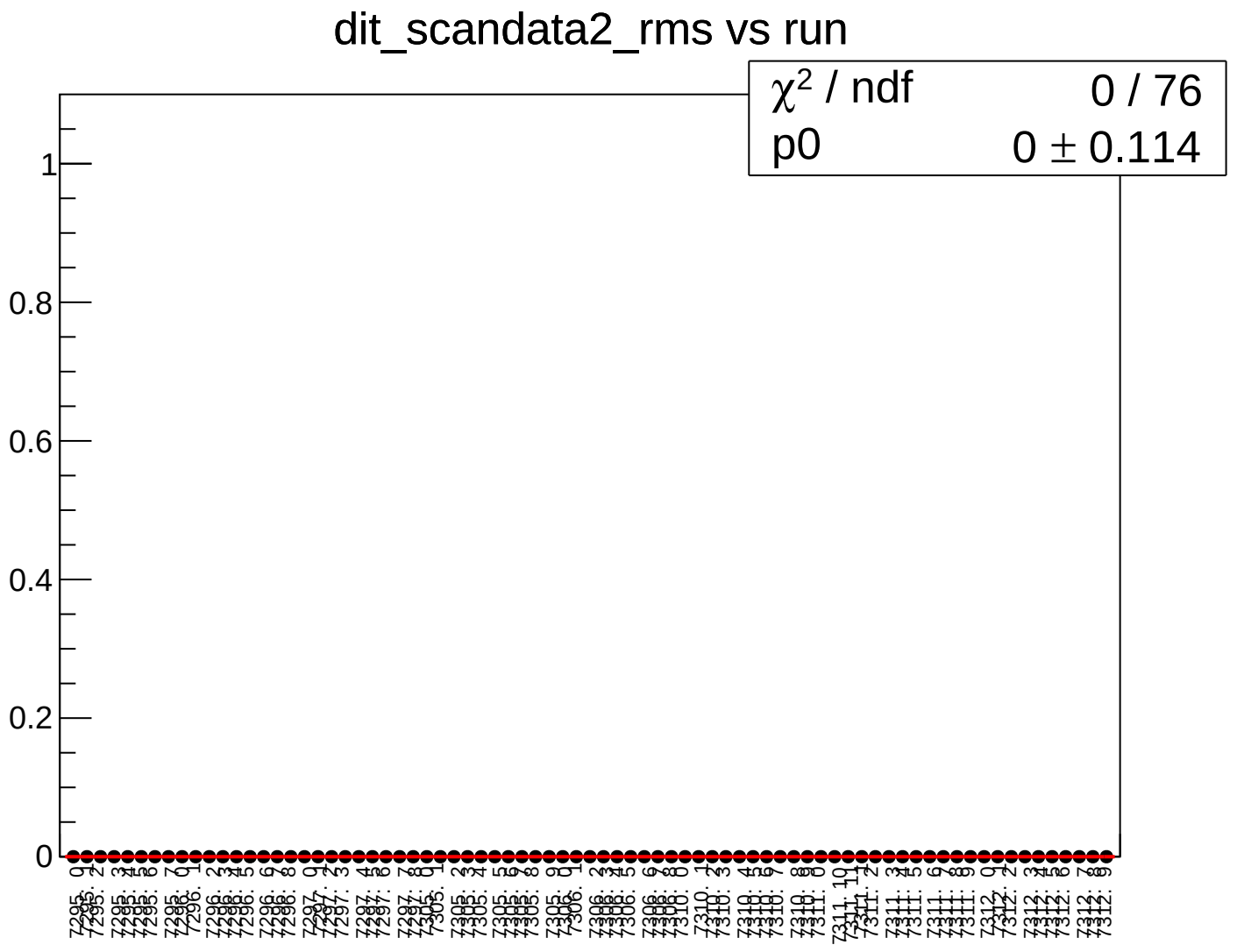

dit_scandata1_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

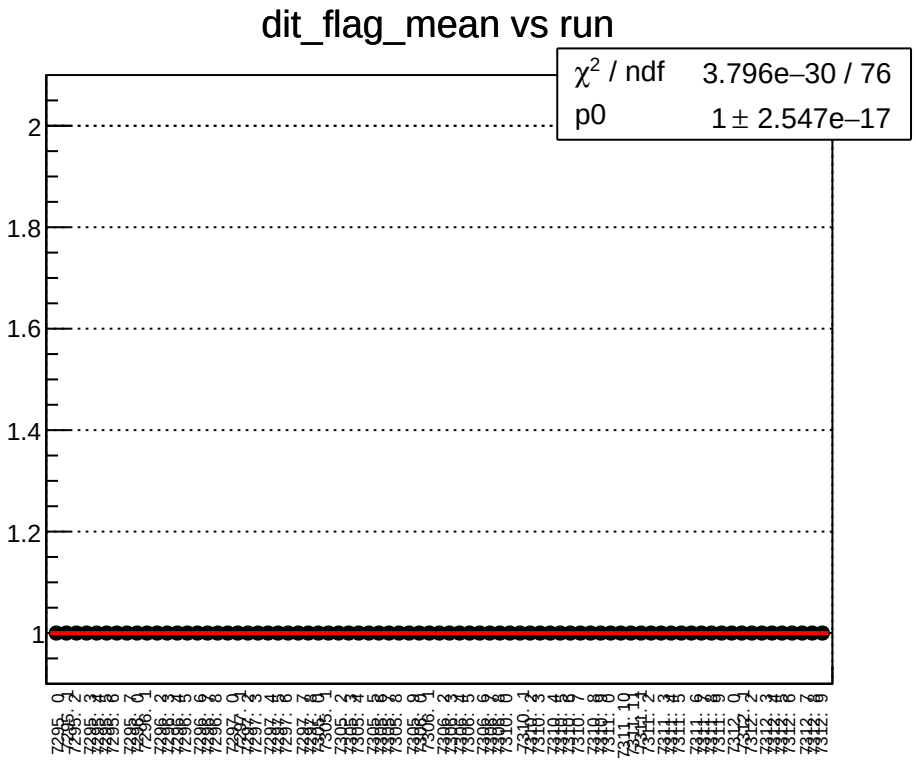

pull1D
Entries 77
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
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2
4
6
8

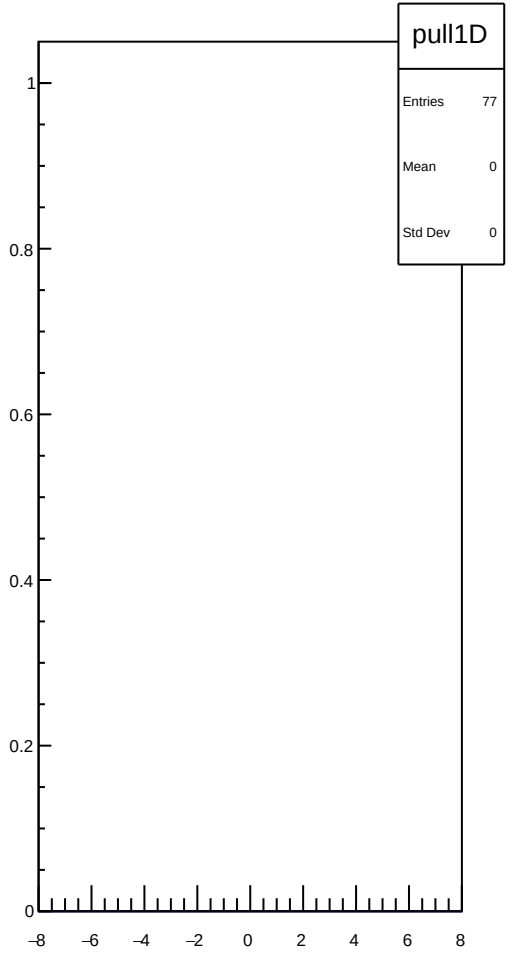

dit_scandata1_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

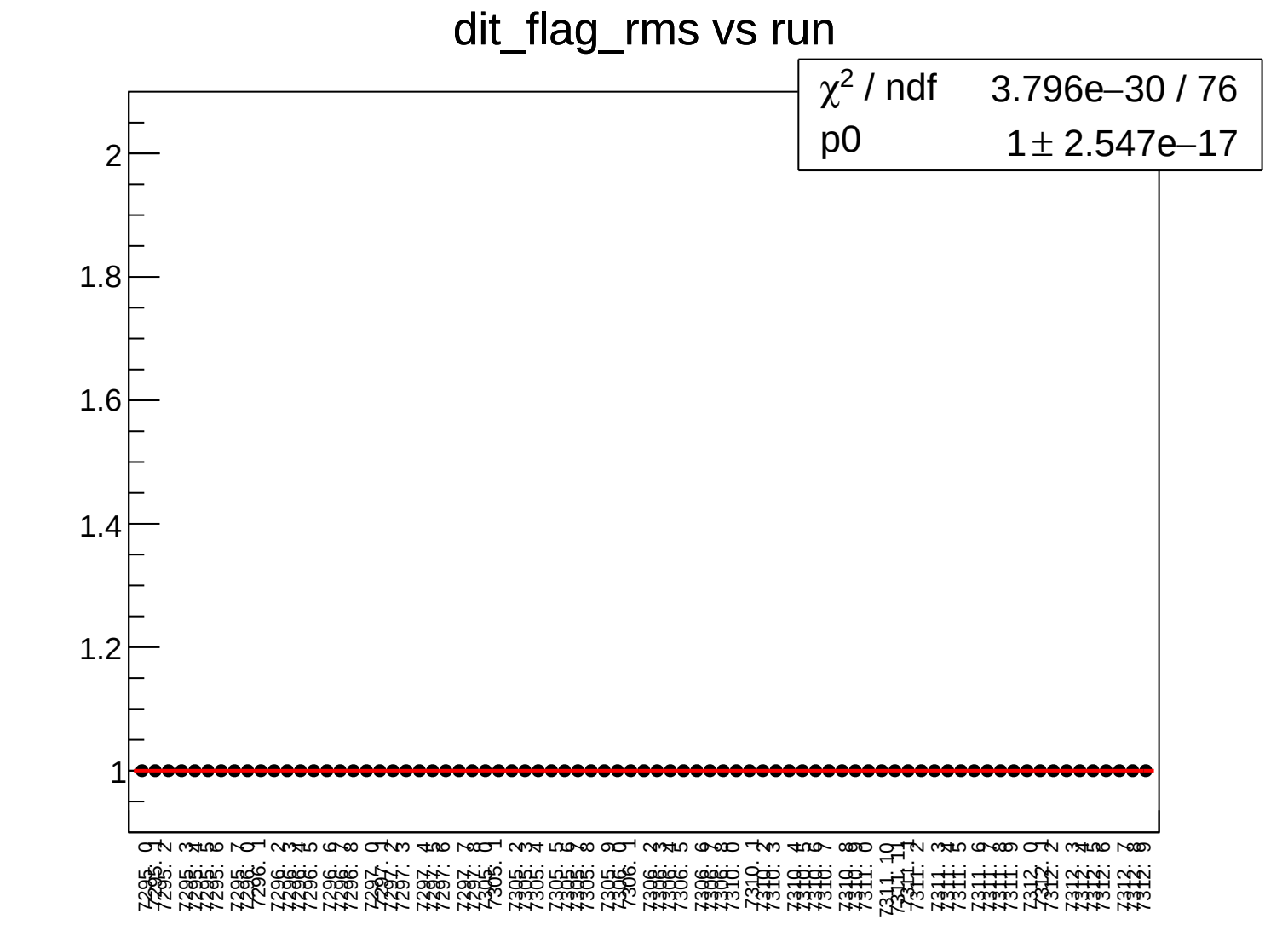

dit_scandata2_mean vs run
χ^2 / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

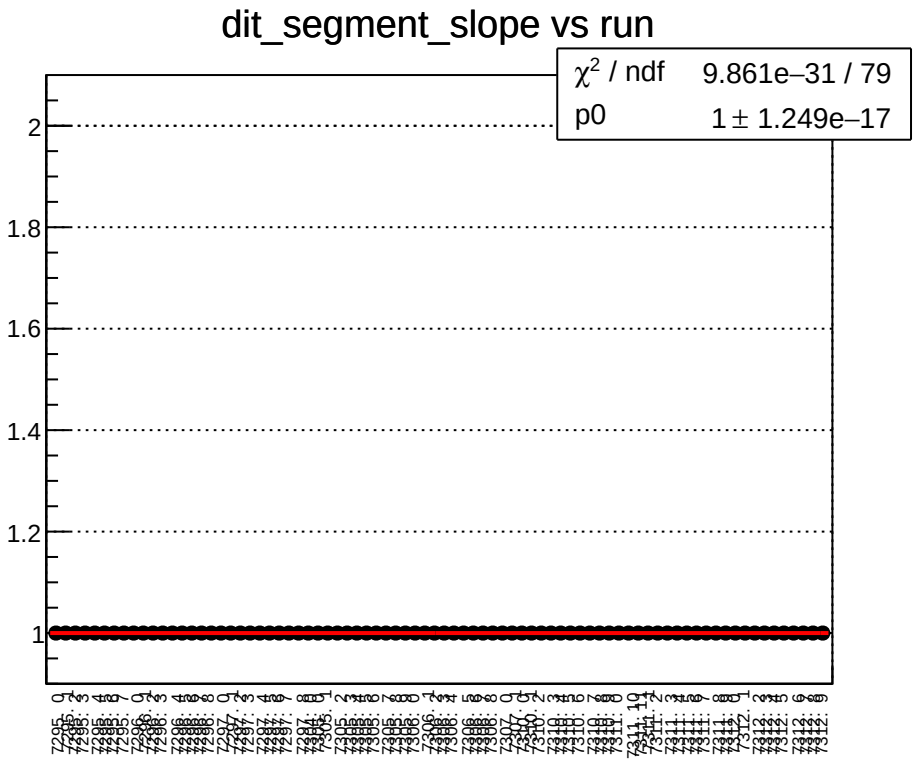

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

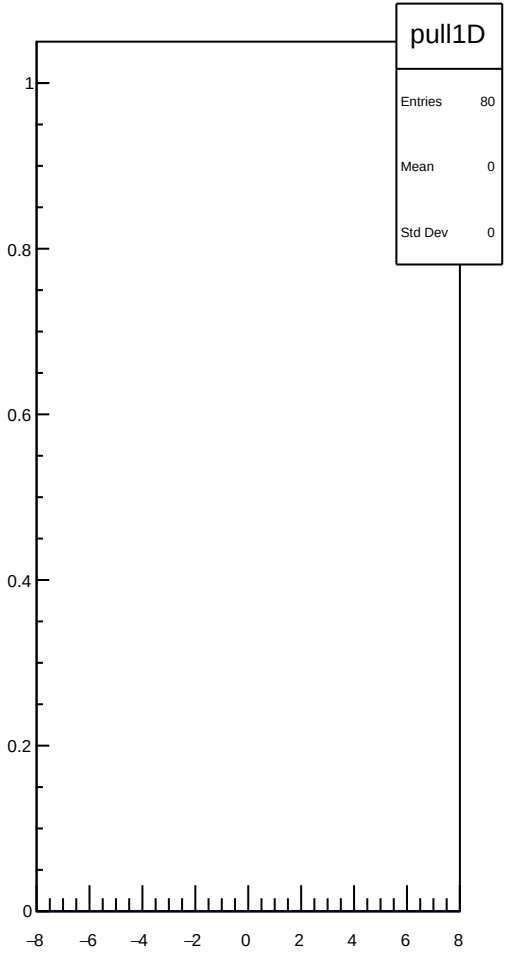

dit_scandata2_rms vs run
χ² / ndf 0 / 76
p0 0 ± 0.114
1
0.8
0.6
0.4
0.2
0

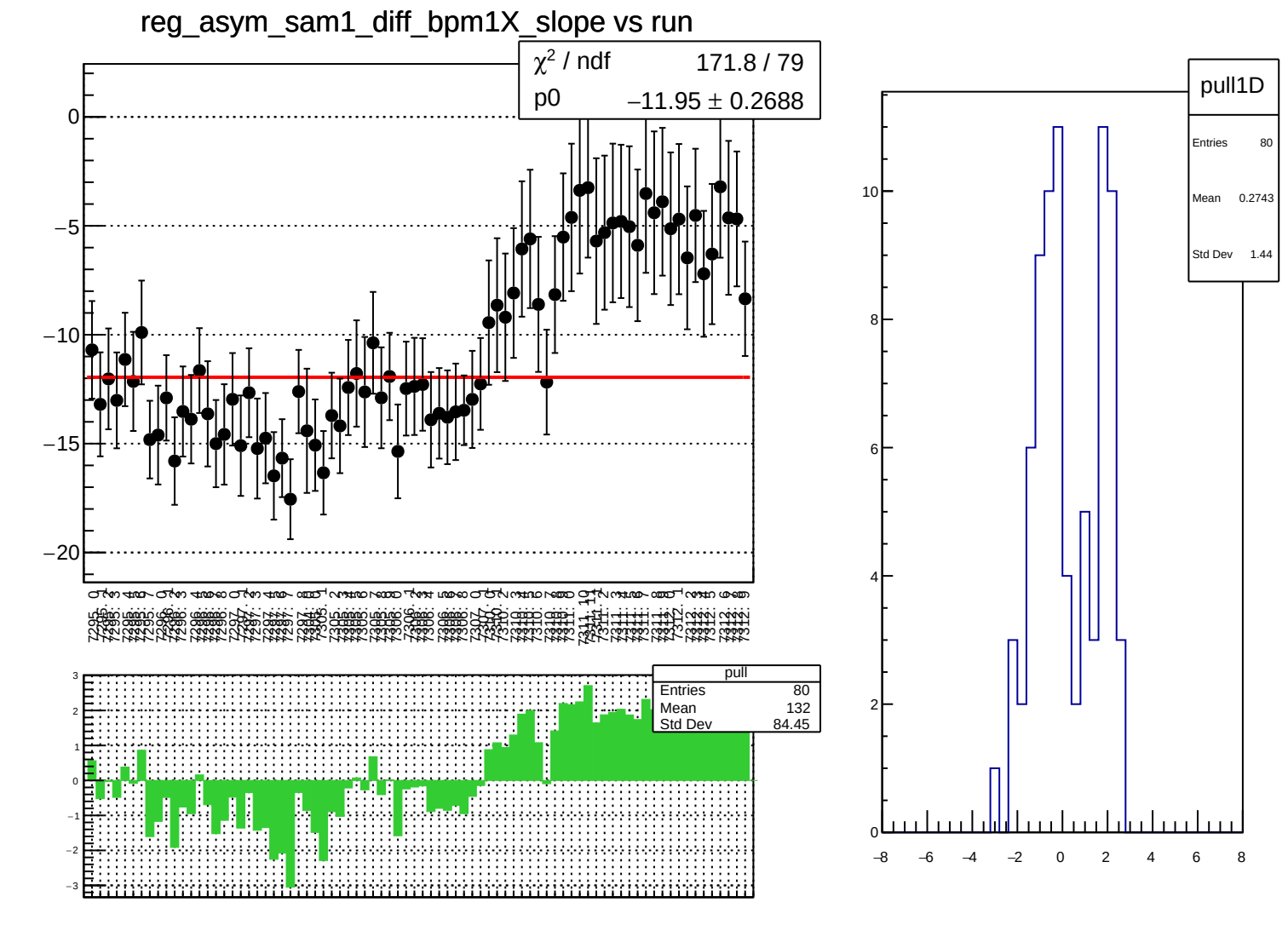

dit_flag_mean vs run
χ^2 / ndf 3.796e−30 / 76
p0 1 ± 2.547e−17
2
1.8
1.6
1.4
1.2
1

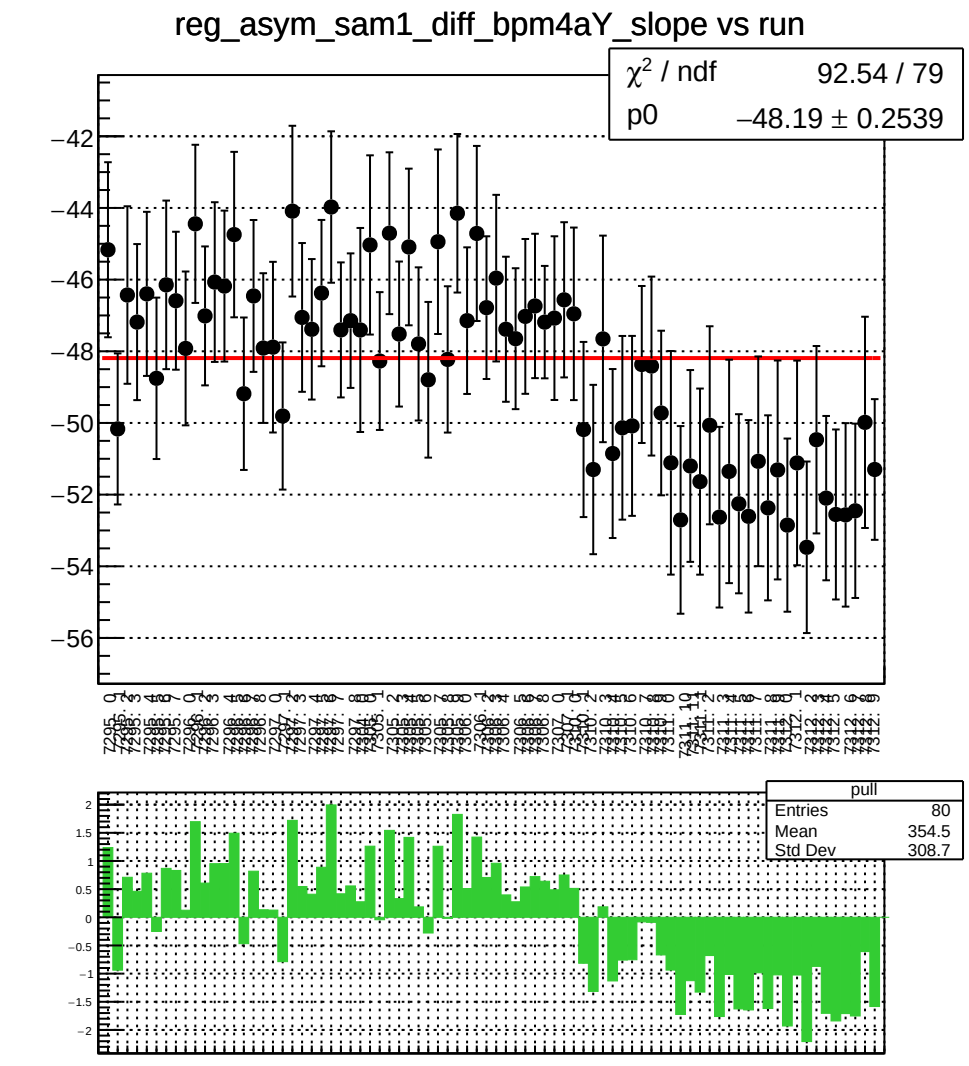

pull1D
Entries 77
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

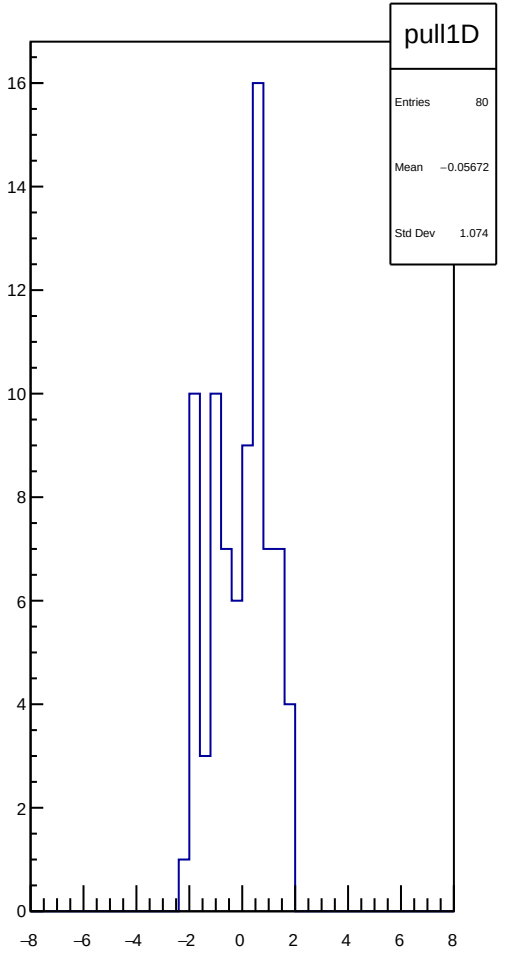

dit_flag_rms vs run
χ^2 / ndf 3.796e−30 / 76
p0 1 ± 2.547e−17
2
1.8
1.6
1.4
1.2
1

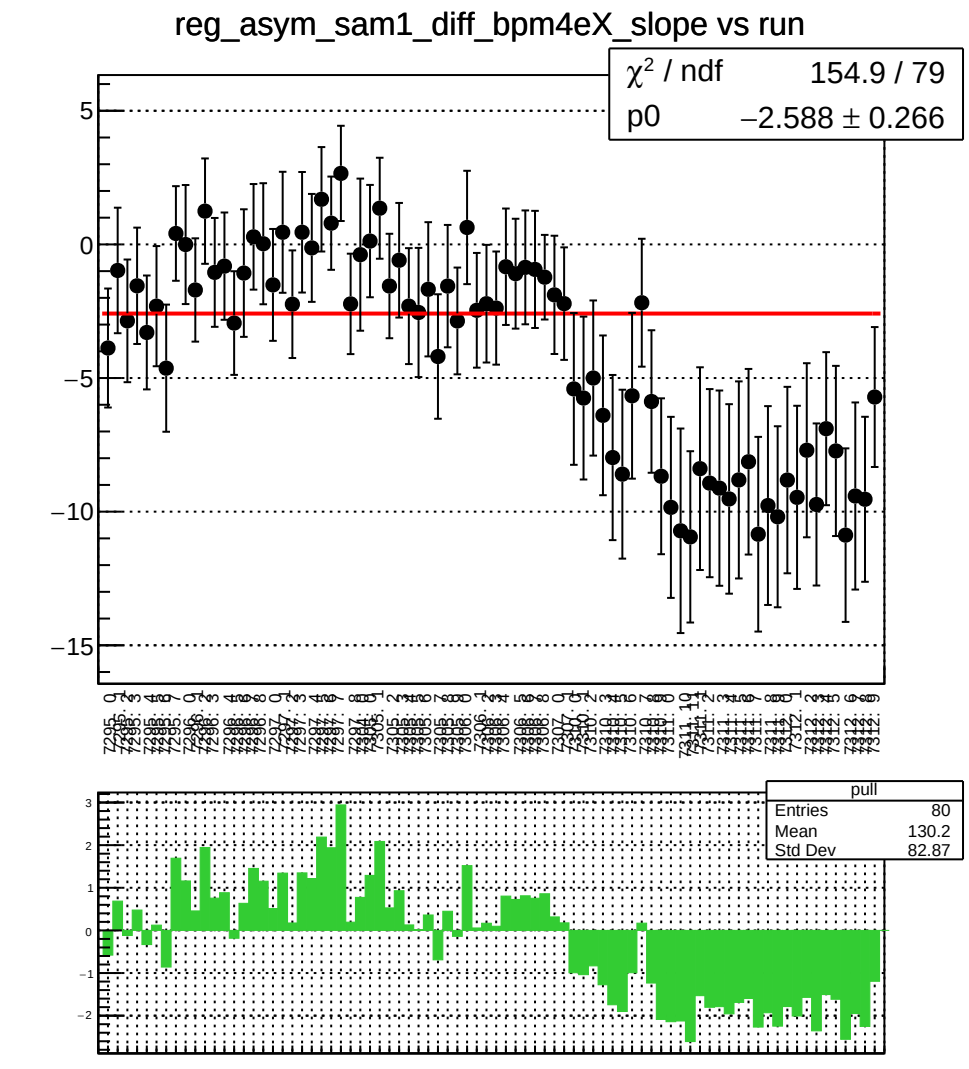

dit_segment_slope vs run
χ^2 / ndf 9.861e−31 / 79
p0 1 ± 1.249e−17
2
1.8
1.6
1.4
1.2
1

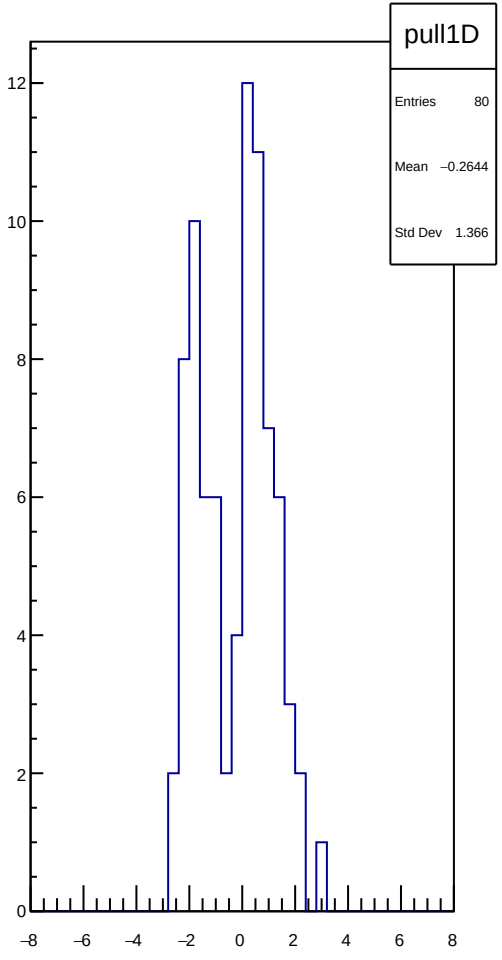

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

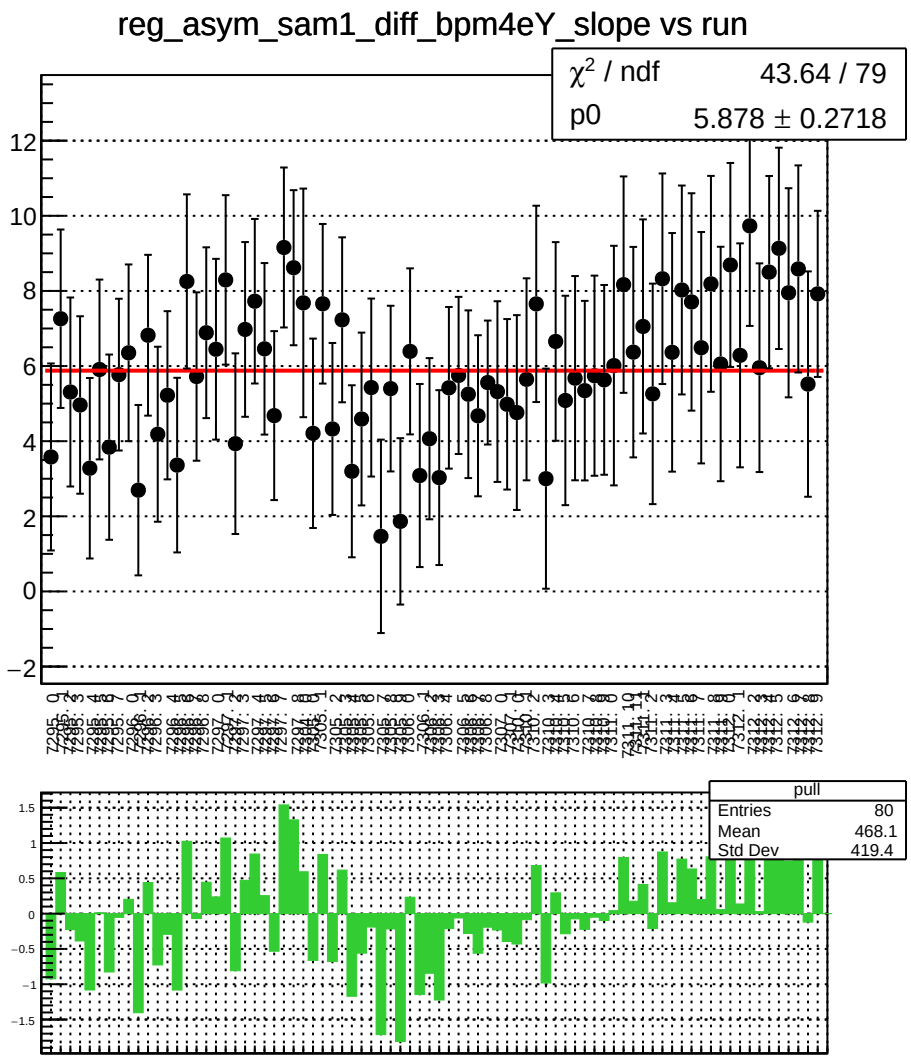

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 171.8 / 79
p0 −11.95 ± 0.2688
pull
Entries 80
Mean 132
Std Dev 84.45
pull1D
Entries 80
Mean 0.2743
Std Dev 1.44

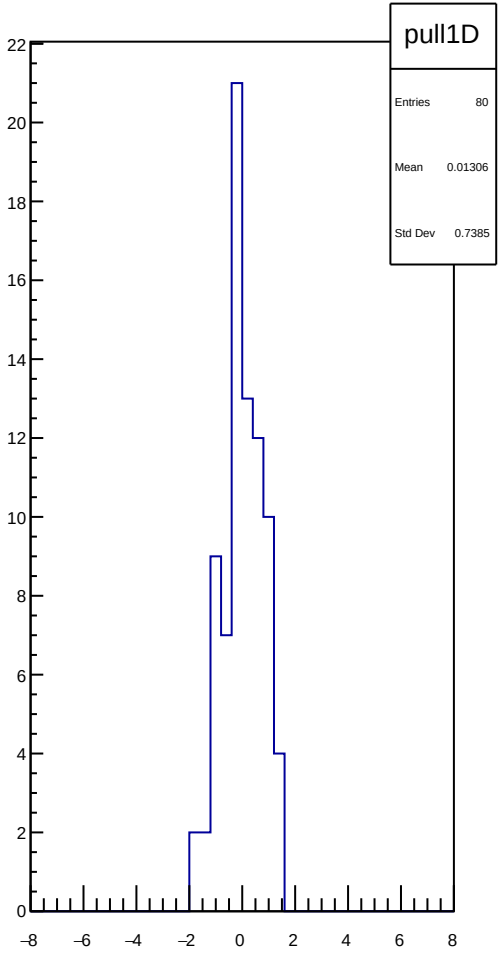

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 92.54 / 79
p0 −48.19 ± 0.2539
pull
Entries 80
Mean 354.5
Std Dev 308.7

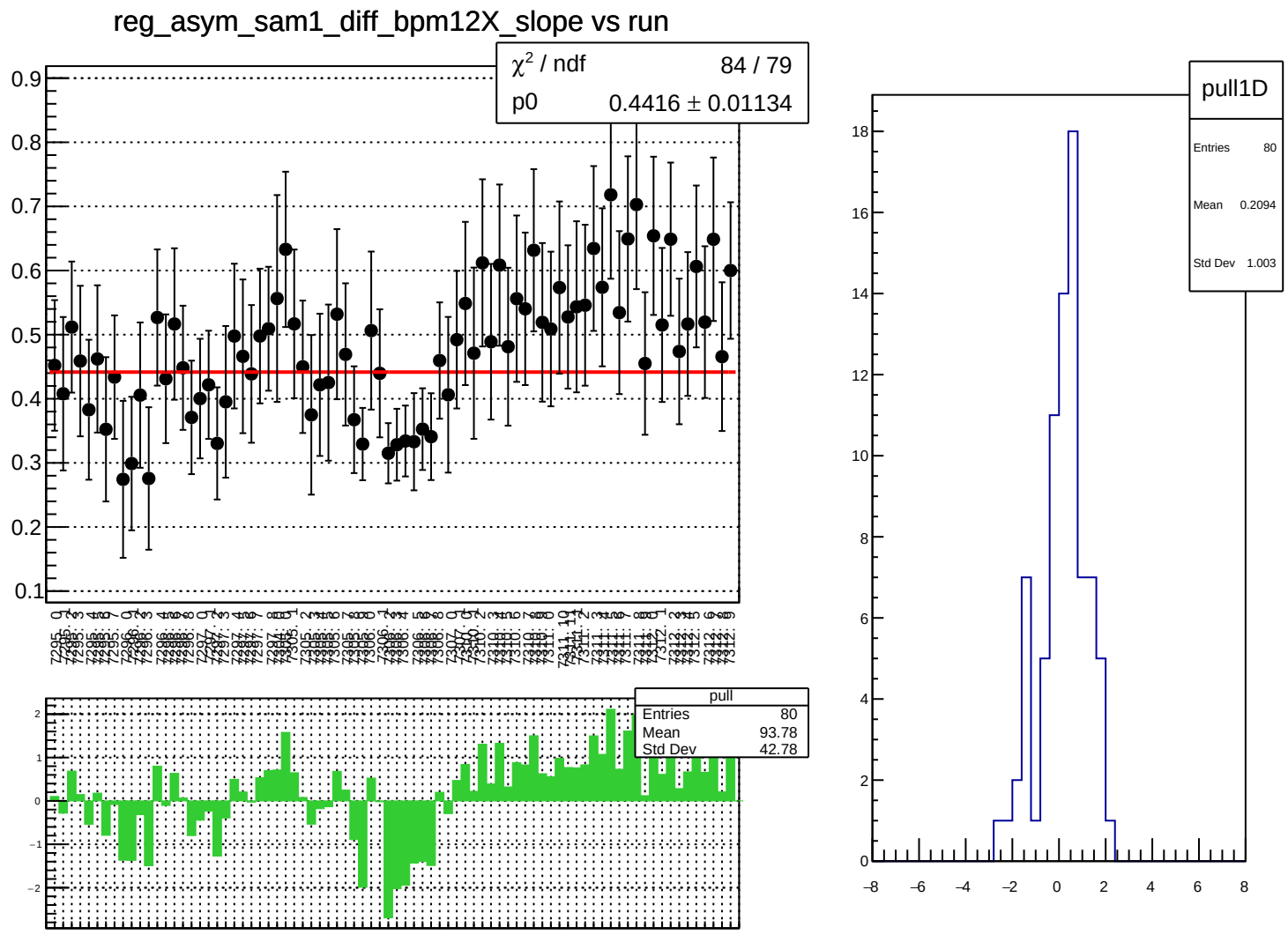

pull1D
Entries 80
Mean −0.05672
Std Dev 1.074

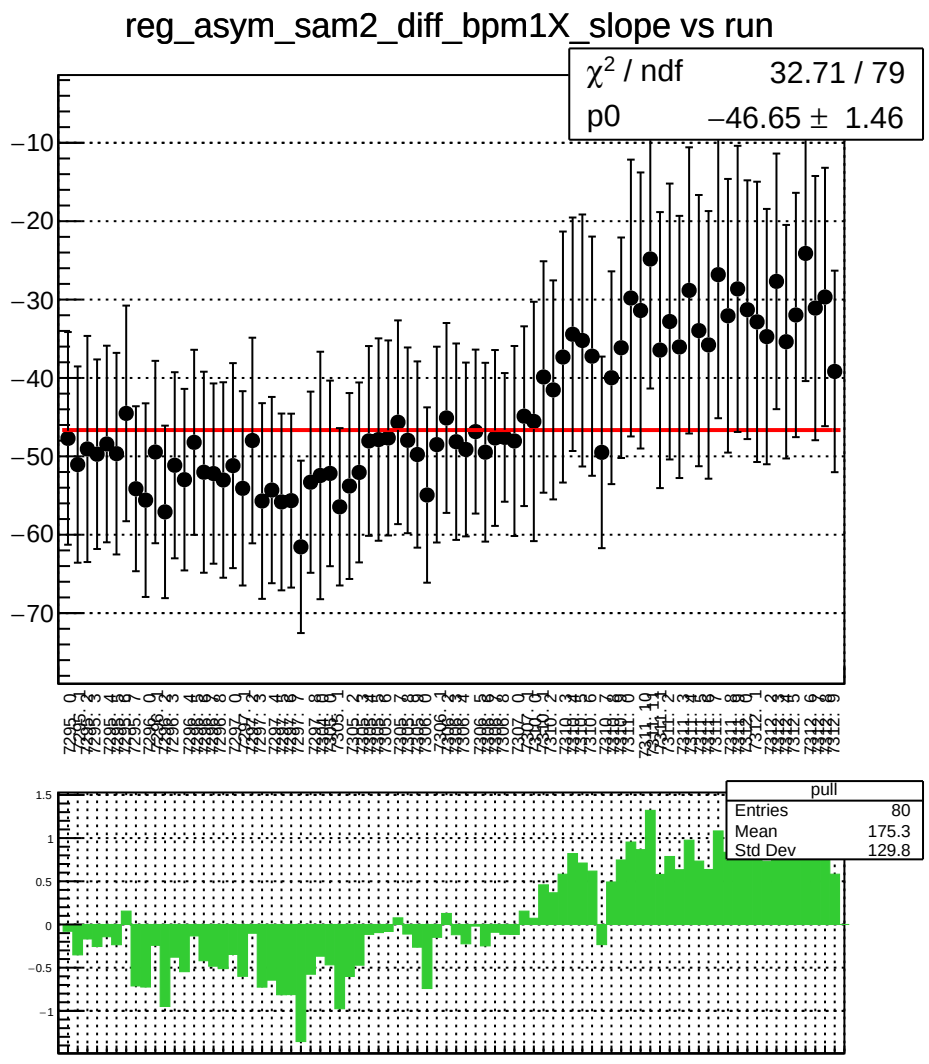

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 154.9 / 79
p0 −2.588 ± 0.266
pull
Entries 80
Mean 130.2
Std Dev 82.87

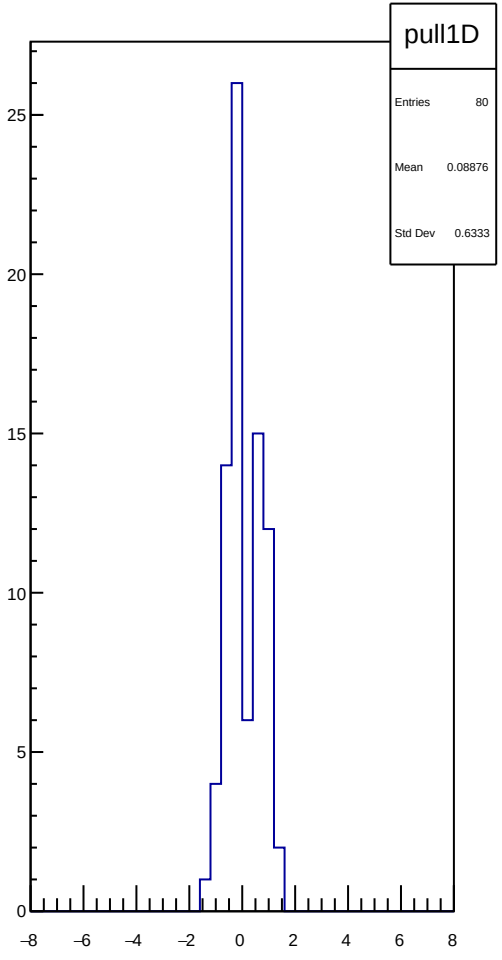

pull1D
Entries 80
Mean −0.2644
Std Dev 1.366

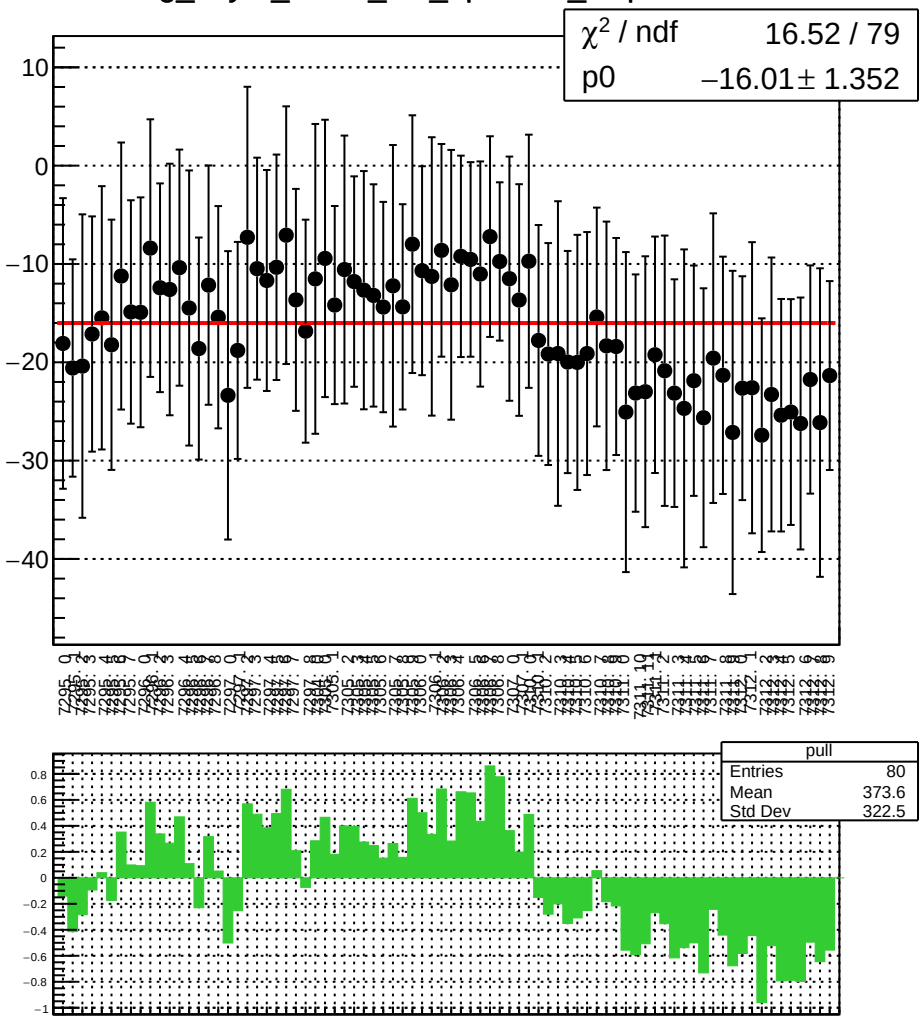

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 79
p0 5.878 ± 0.2718
pull
Entries 80
Mean 468.1
Std Dev 419.4

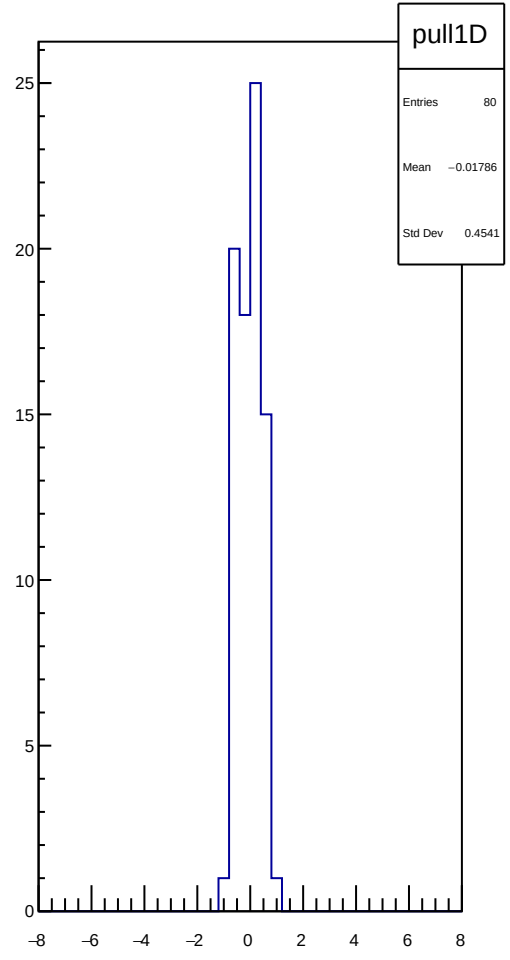

pull1D
Entries 80
Mean 0.01306
Std Dev 0.7385

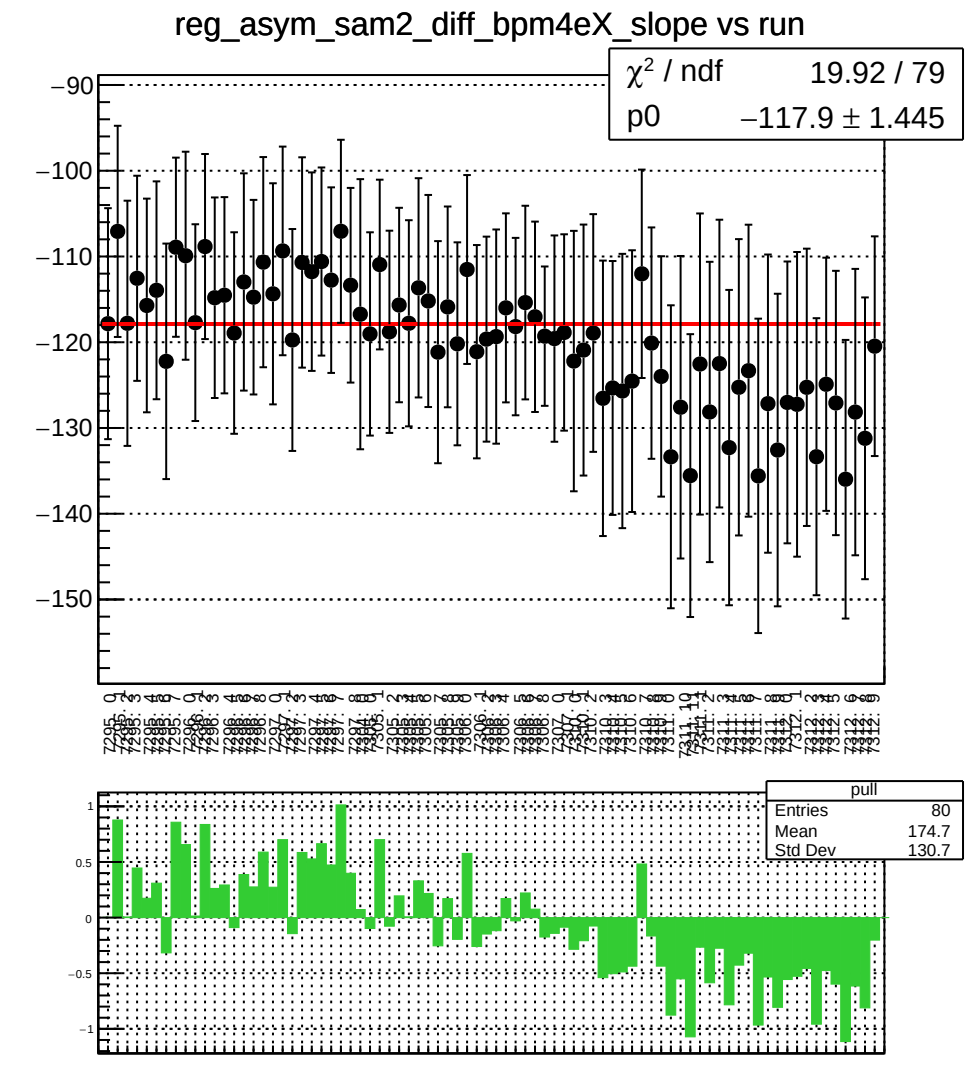

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 84 / 79
p0 0.4416 ± 0.01134
pull
Entries 80
Mean 93.78
Std Dev 42.78
pull1D
Entries 80
Mean 0.2094
Std Dev 1.003

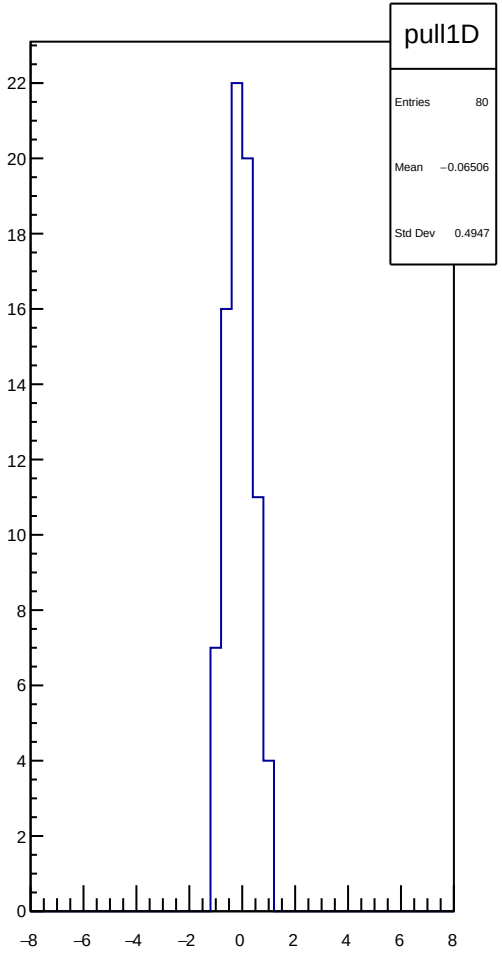

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 32.71 / 79
p0 −46.65 ± 1.46
pull
Entries 80
Mean 175.3
Std Dev 129.8

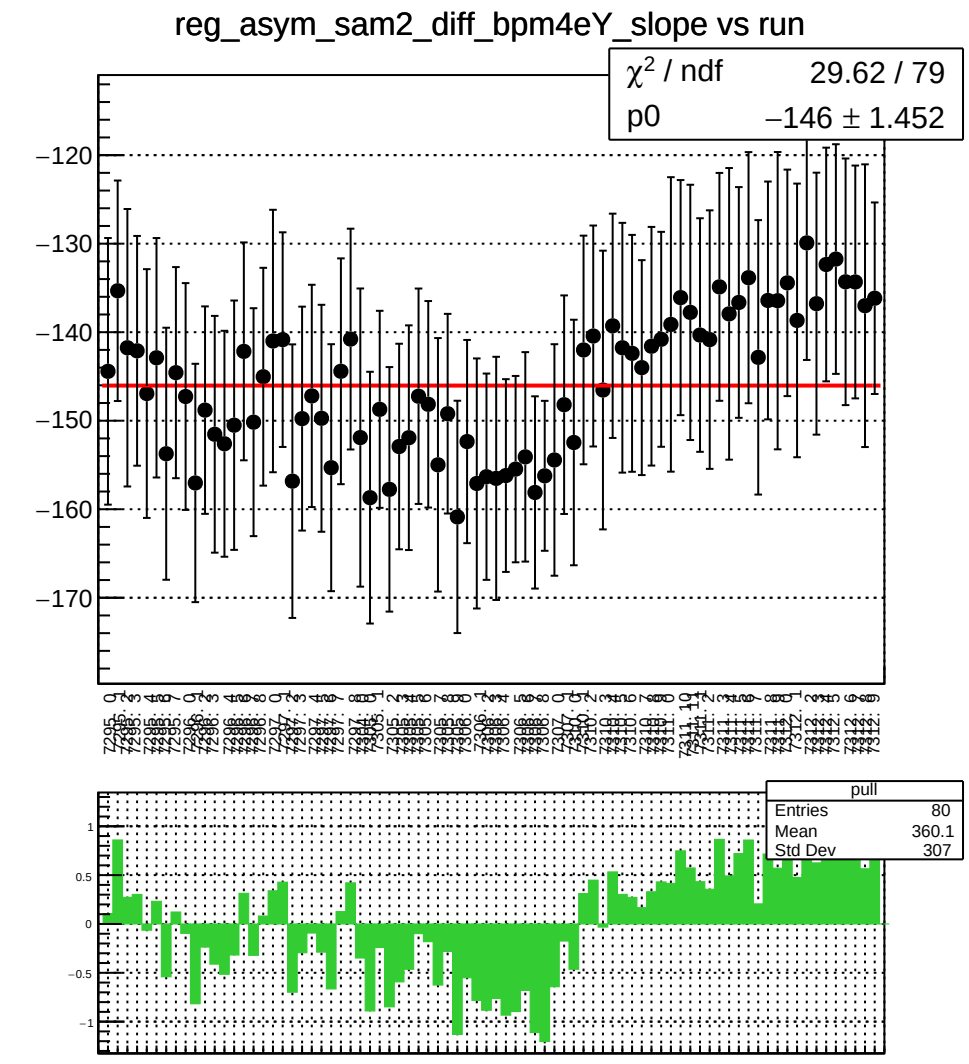

pull1D
Entries 80
Mean 0.08876
Std Dev 0.6333

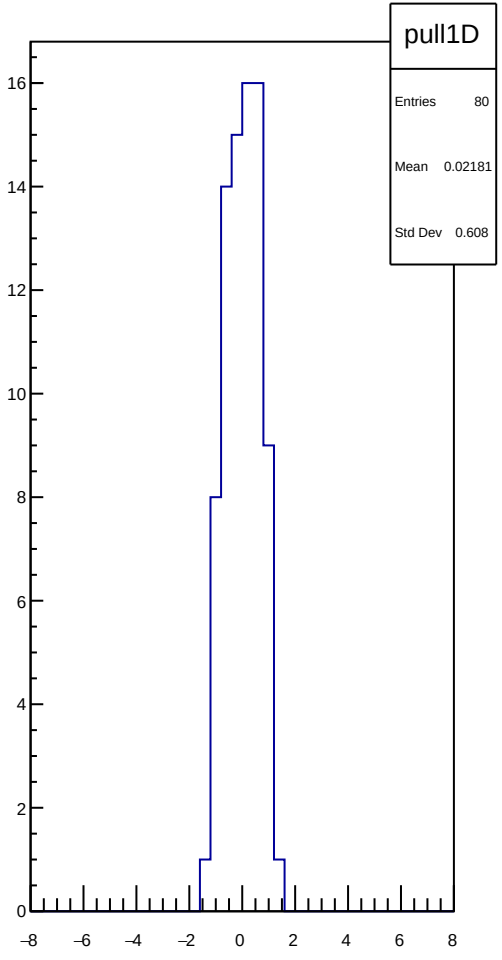

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 16.52 / 79
p0 −16.01± 1.352
pull
Entries 80
Mean 373.6
Std Dev 322.5

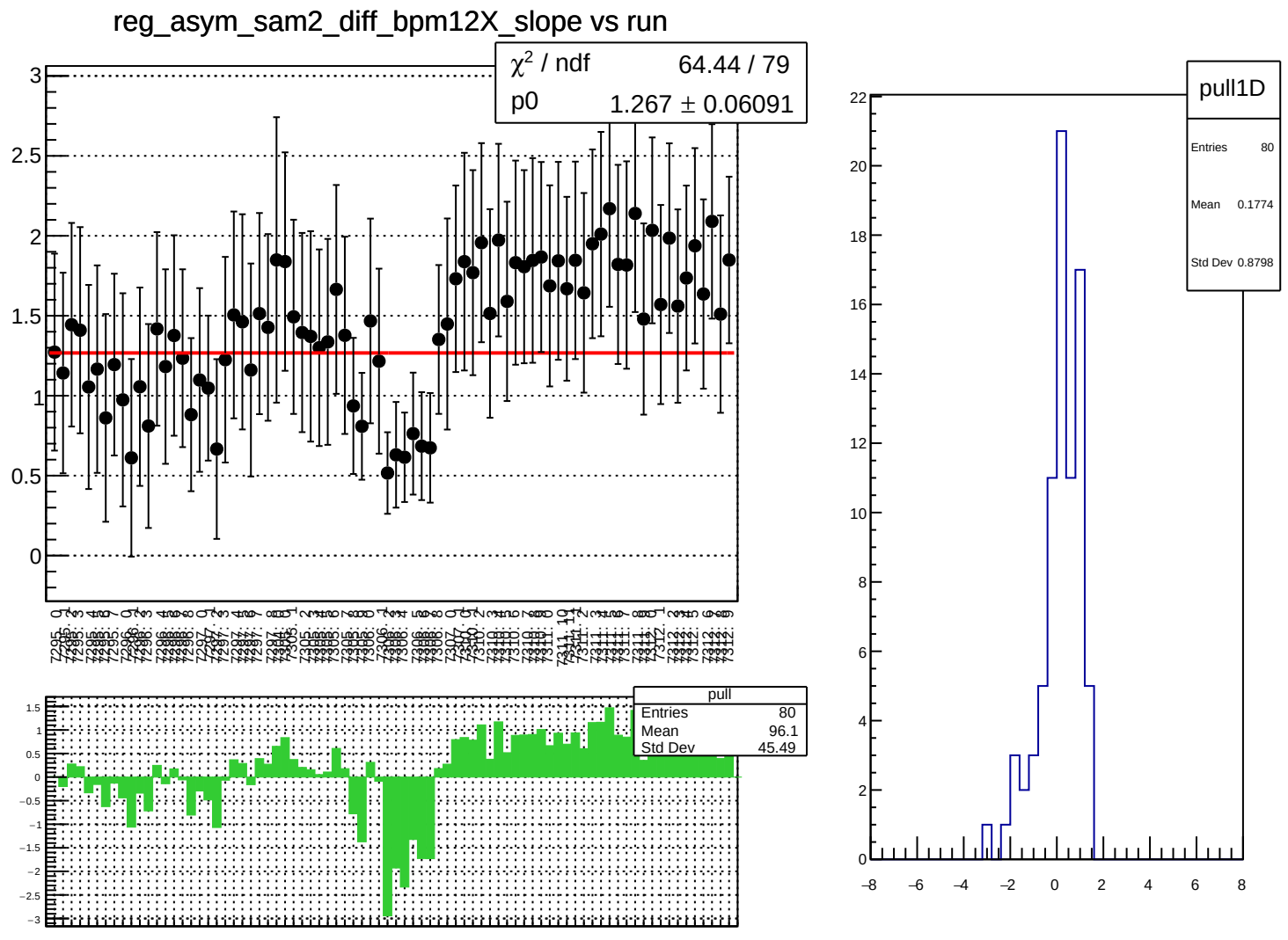

pull1D
Entries 80
Mean −0.01786
Std Dev 0.4541

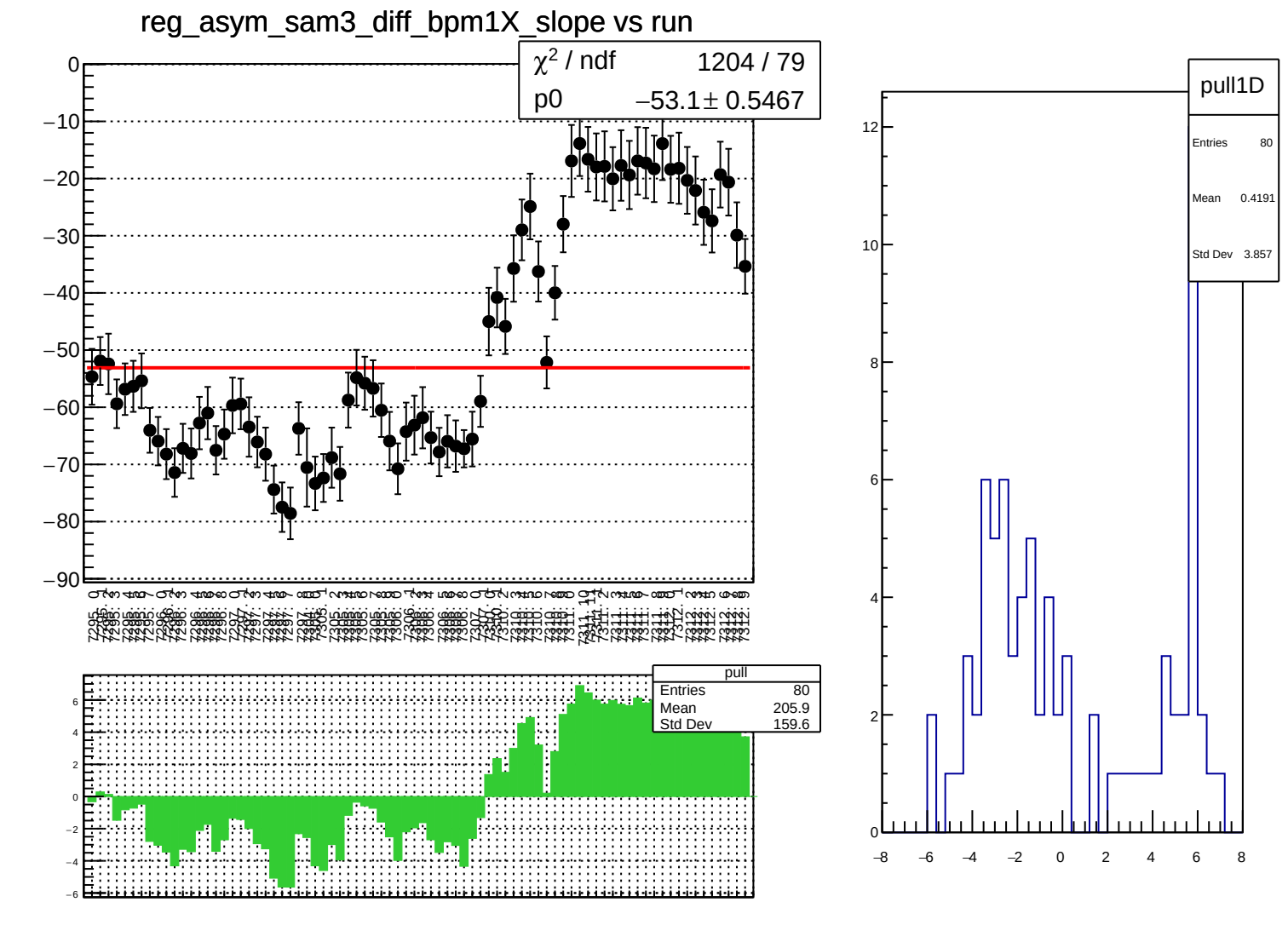

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 19.92 / 79
p0 −117.9 ± 1.445
pull
Entries 80
Mean 174.7
Std Dev 130.7

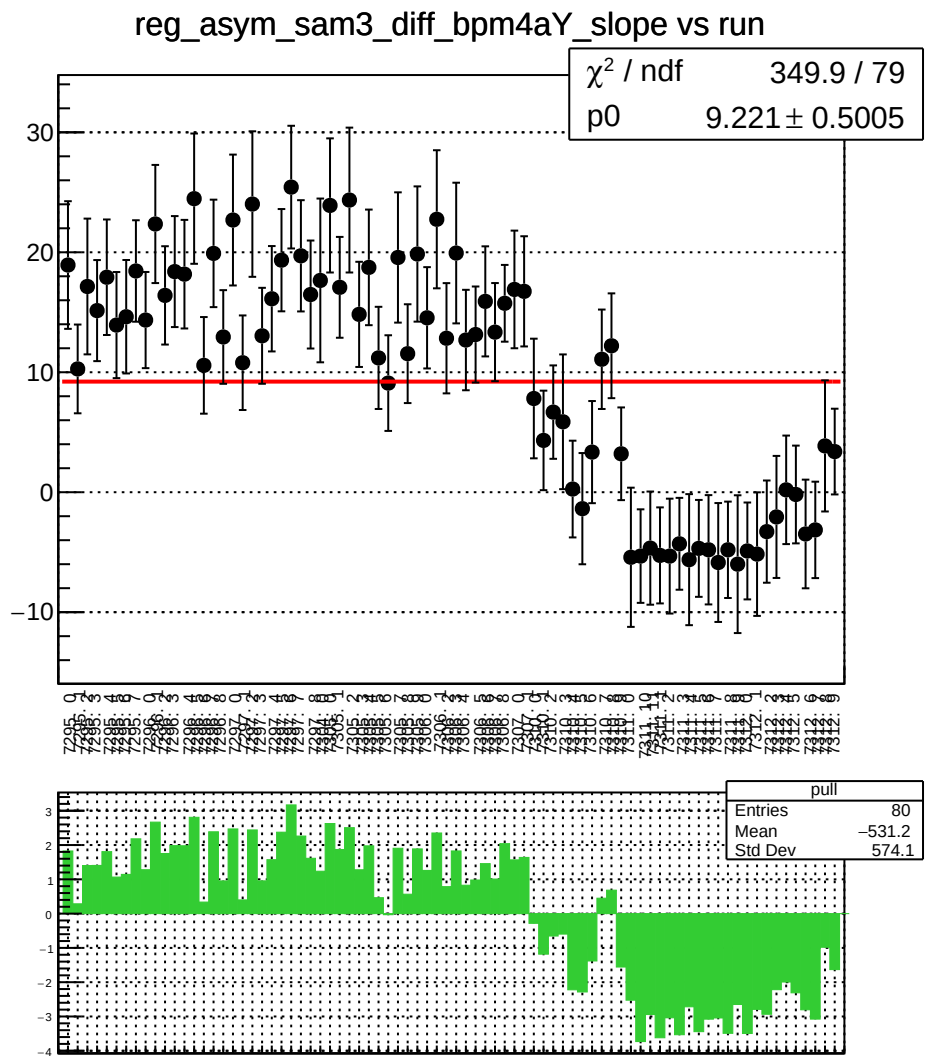

pull1D
Entries 80
Mean −0.06506
Std Dev 0.4947

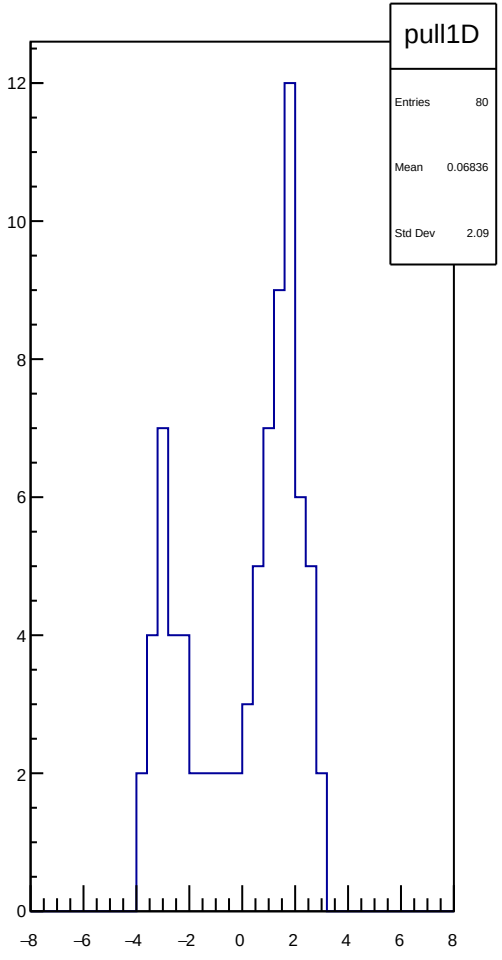

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 29.62 / 79
p0 −146 ± 1.452
pull
Entries 80
Mean 360.1
Std Dev 307

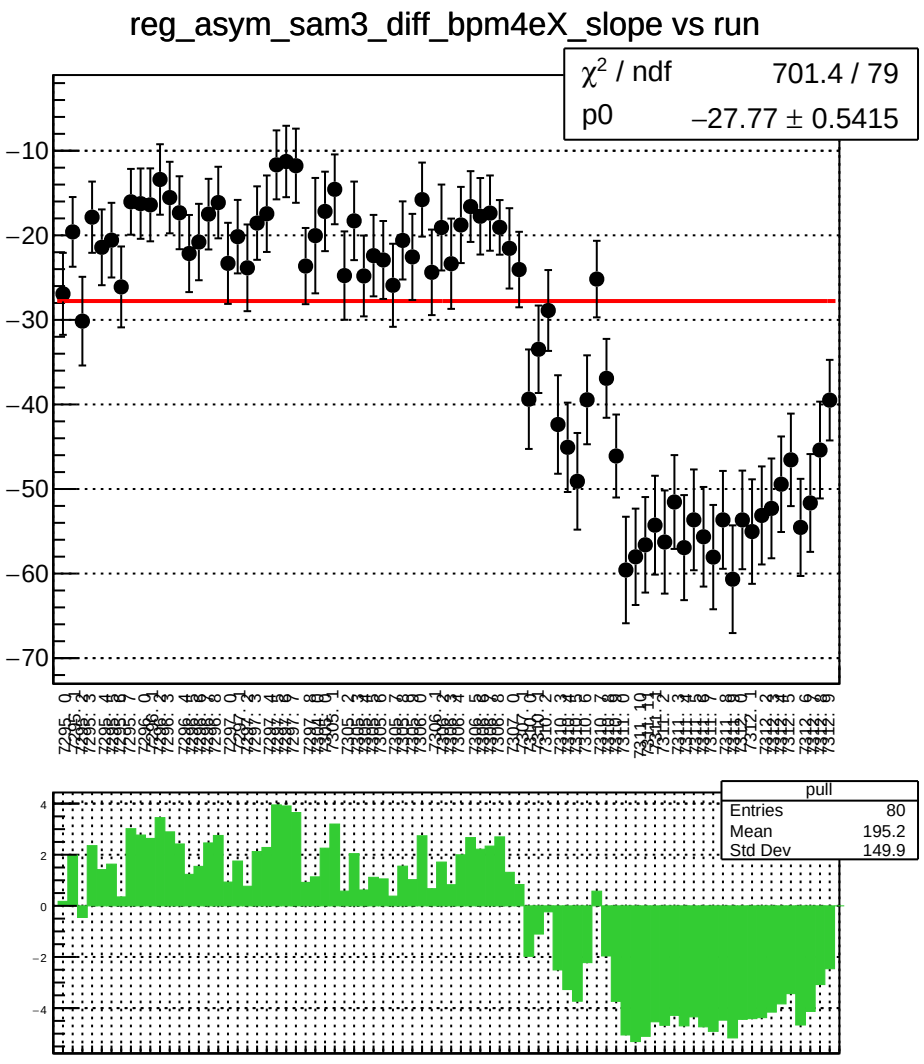

pull1D
Entries 80
Mean 0.02181
Std Dev 0.608

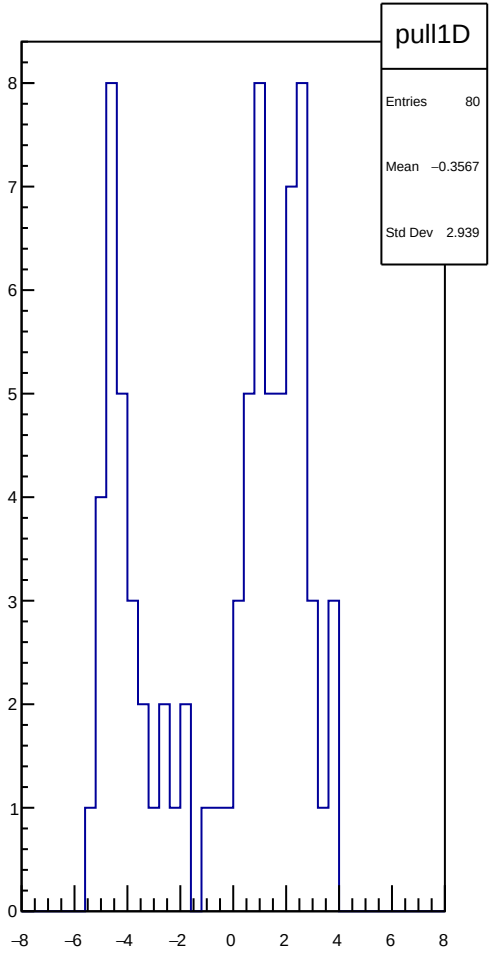

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 64.44 / 79
p0 1.267 ± 0.06091
pull
Entries 80
Mean 96.1
Std Dev 45.49
pull1D
Entries 80
Mean 0.1774
Std Dev 0.8798

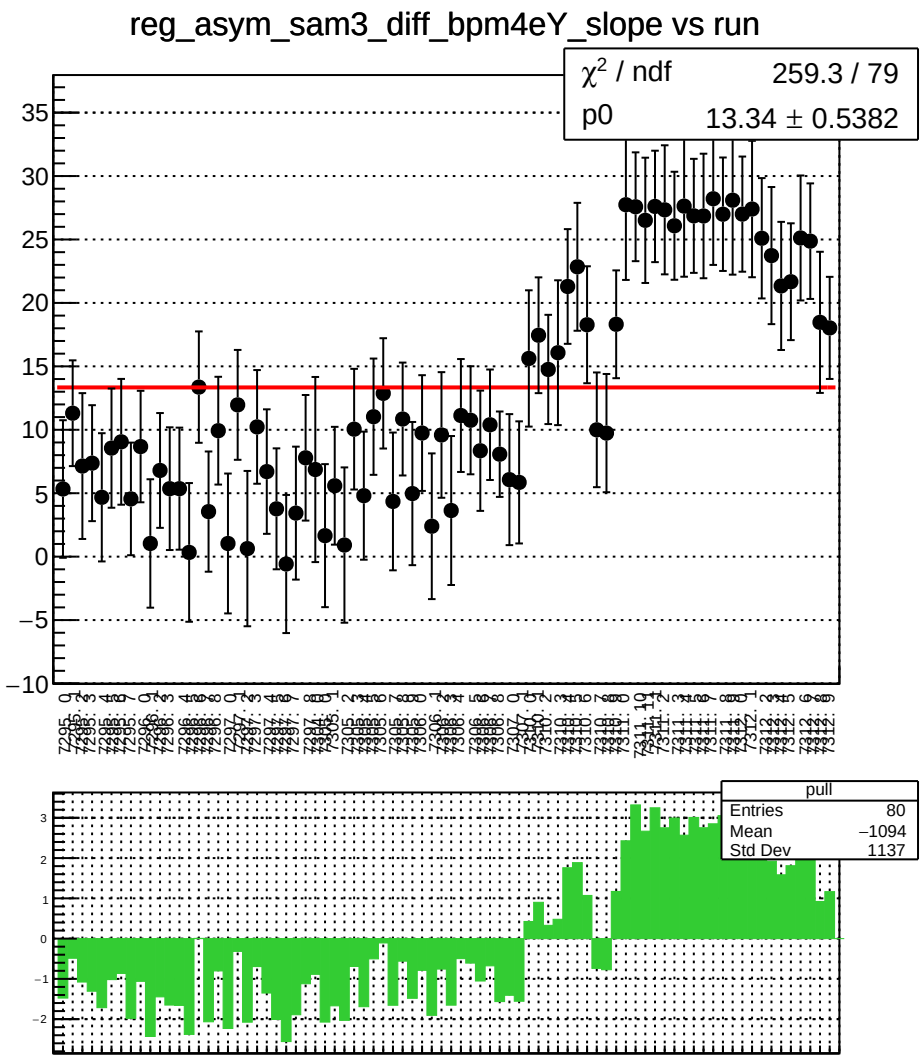

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 1204 / 79
p0 −53.1 ± 0.5467
pull
Entries 80
Mean 205.9
Std Dev 159.6
pull1D
Entries 80
Mean 0.4191
Std Dev 3.857

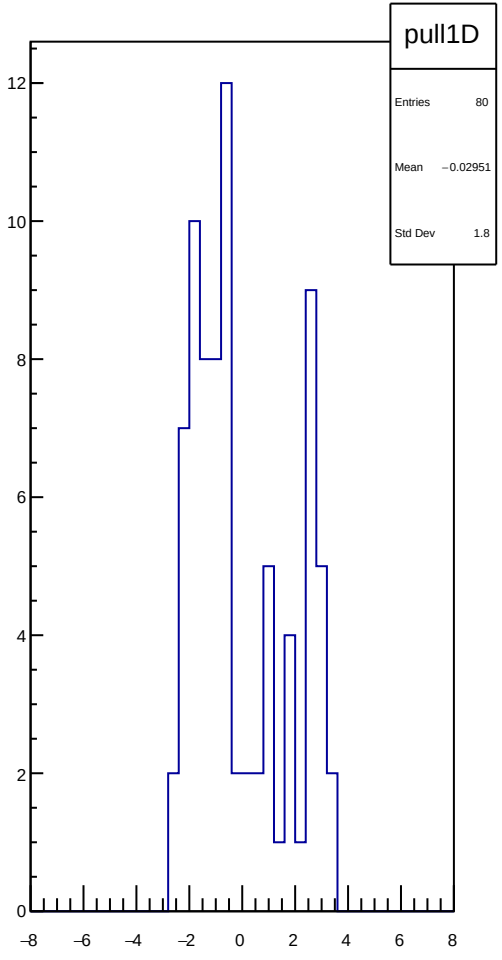

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 349.9 / 79
p0 9.221 ± 0.5005
30
20
10
0
−10
pull
Entries 80
Mean −531.2
Std Dev 574.1
3
2
1
0
−1
−2
−3
−4

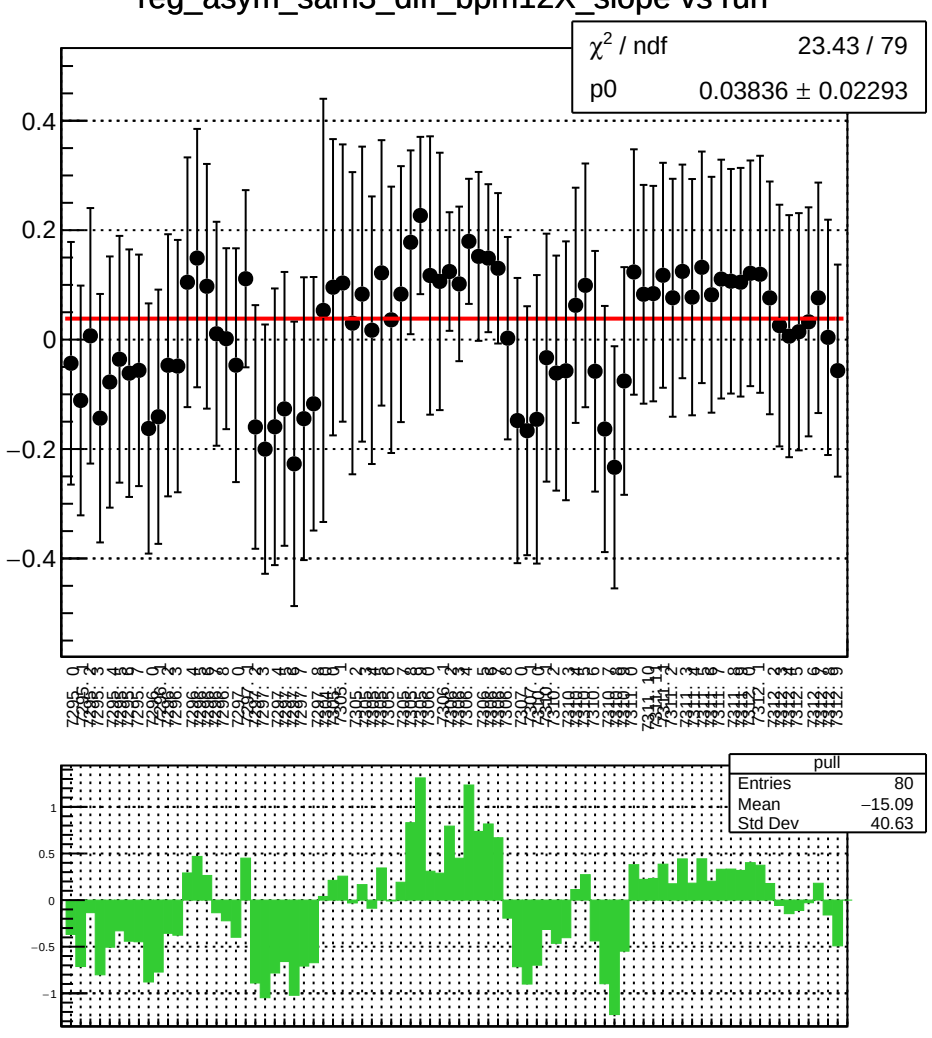

pull1D
Entries 80
Mean 0.06836
Std Dev 2.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

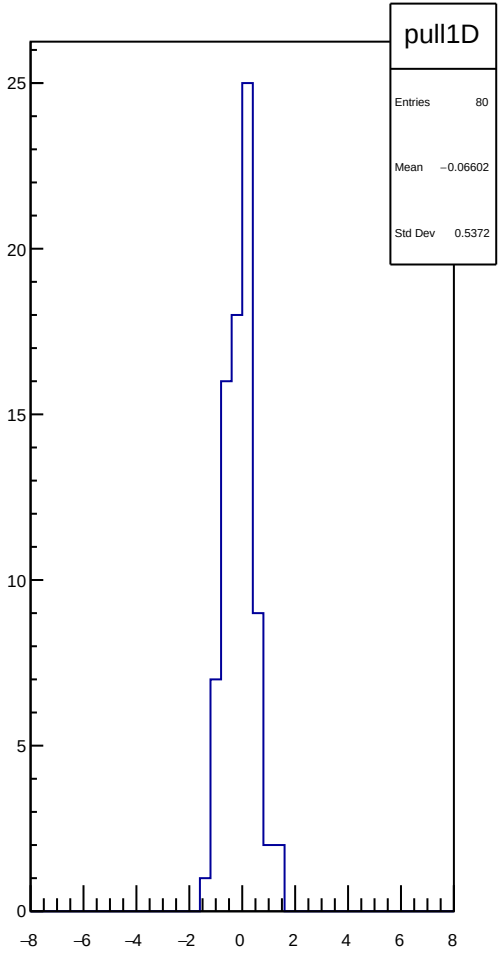

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 701.4 / 79
p0 −27.77 ± 0.5415
pull
Entries 80
Mean 195.2
Std Dev 149.9

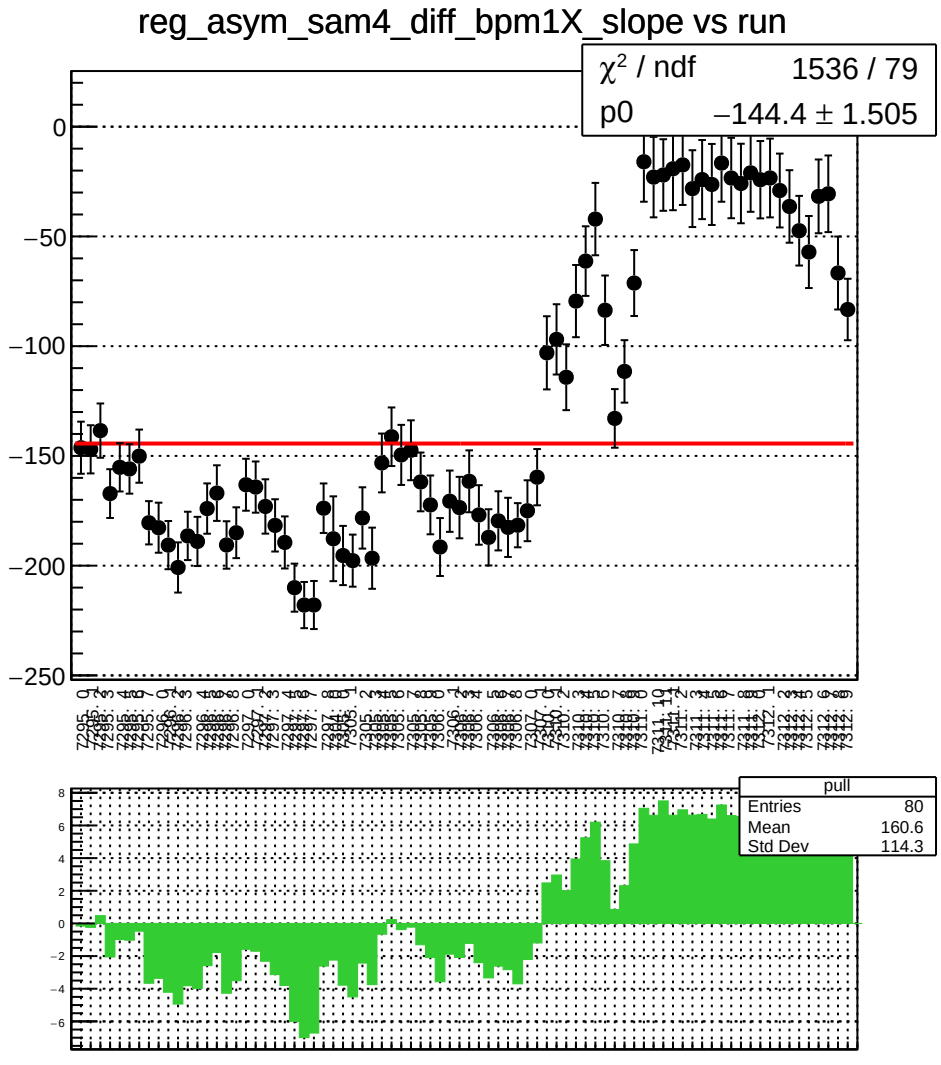

pull1D
Entries 80
Mean −0.3567
Std Dev 2.939

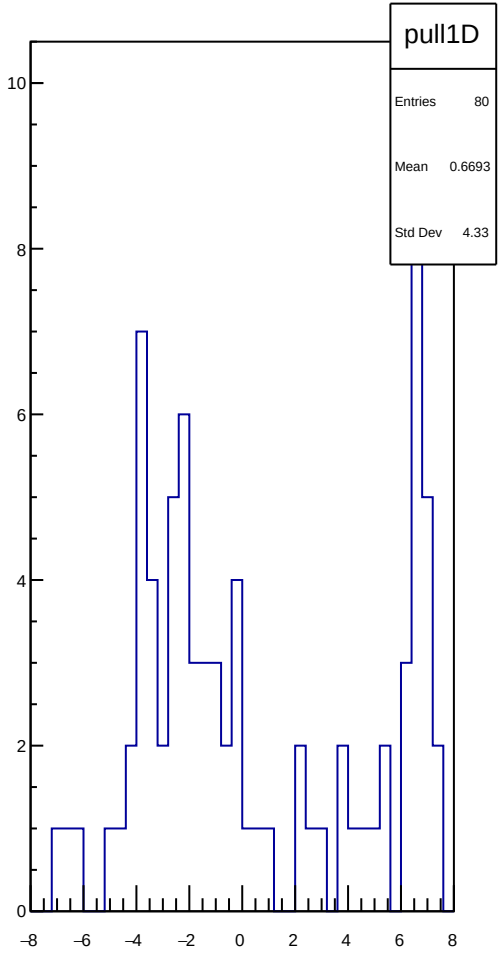

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 259.3 / 79
p0 13.34 ± 0.5382
pull
Entries 80
Mean −1094
Std Dev 1137

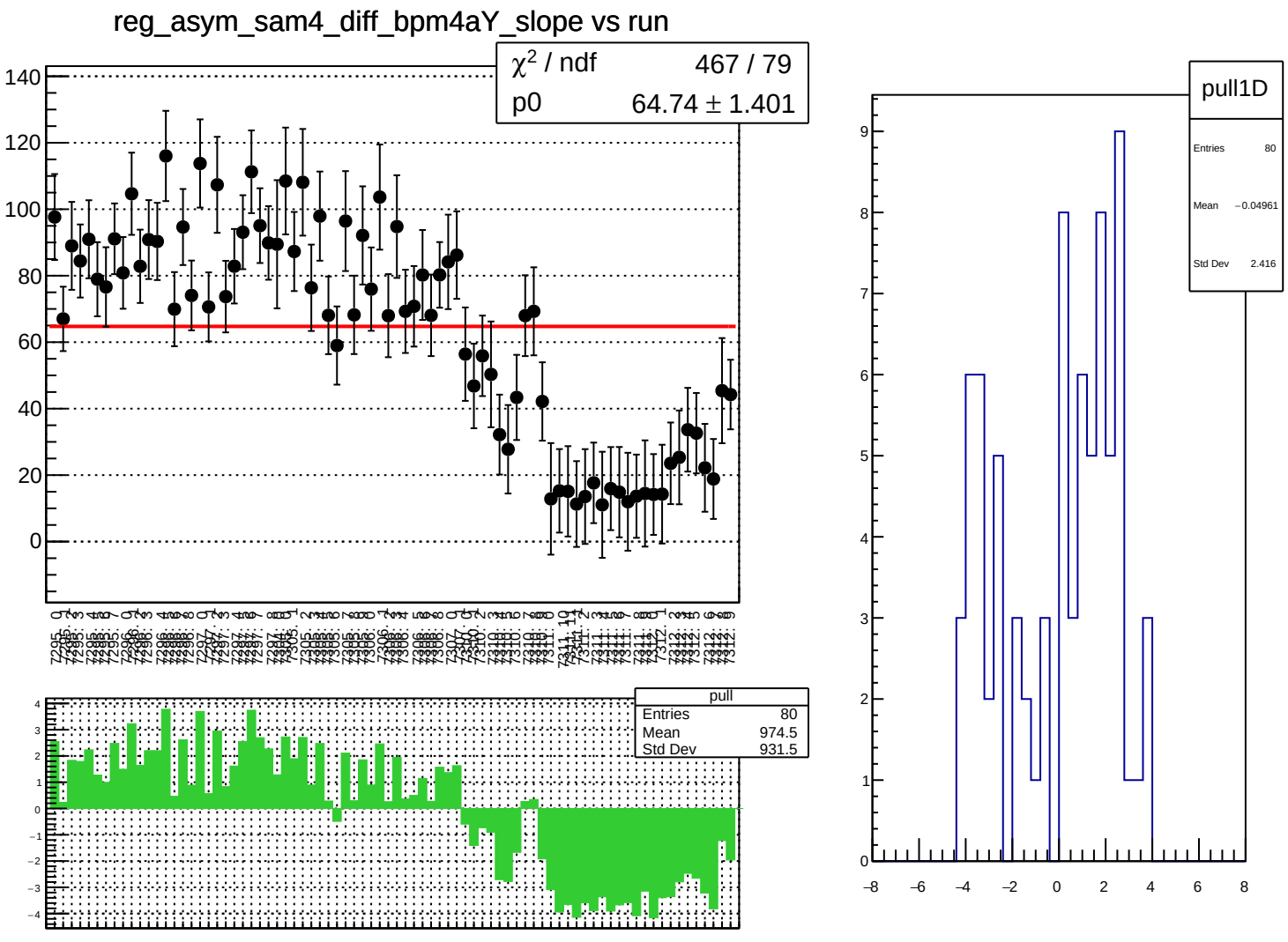

pull1D
Entries 80
Mean −0.02951
Std Dev 1.8

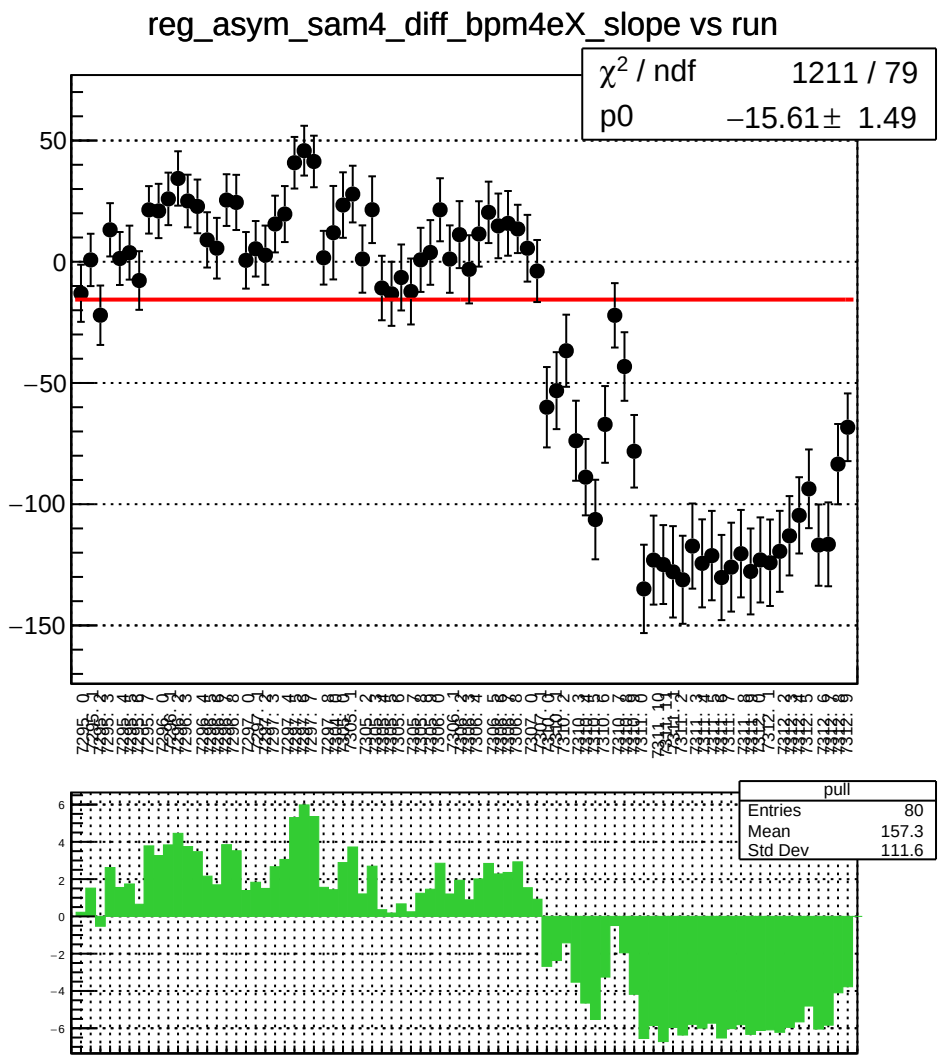

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 23.43 / 79
p0 0.03836 ± 0.02293
pull
Entries 80
Mean −15.09
Std Dev 40.63

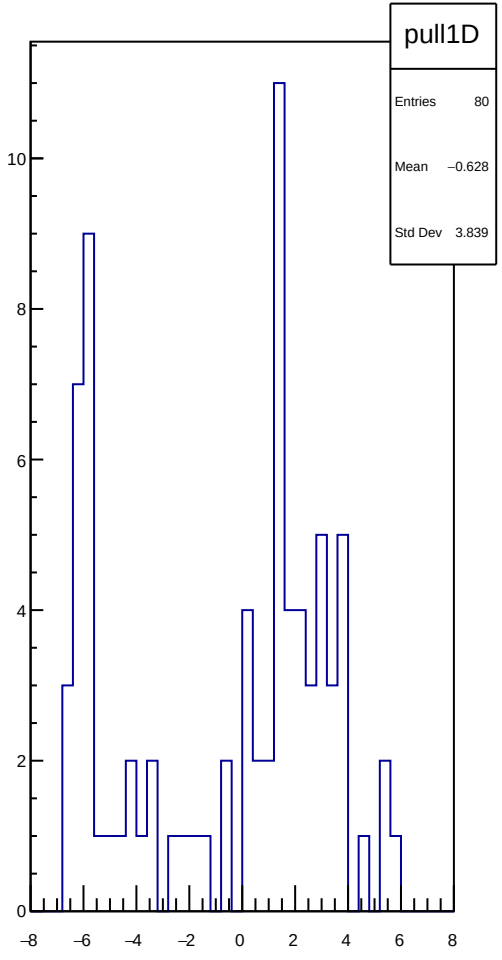

pull1D
Entries 80
Mean −0.06602
Std Dev 0.5372

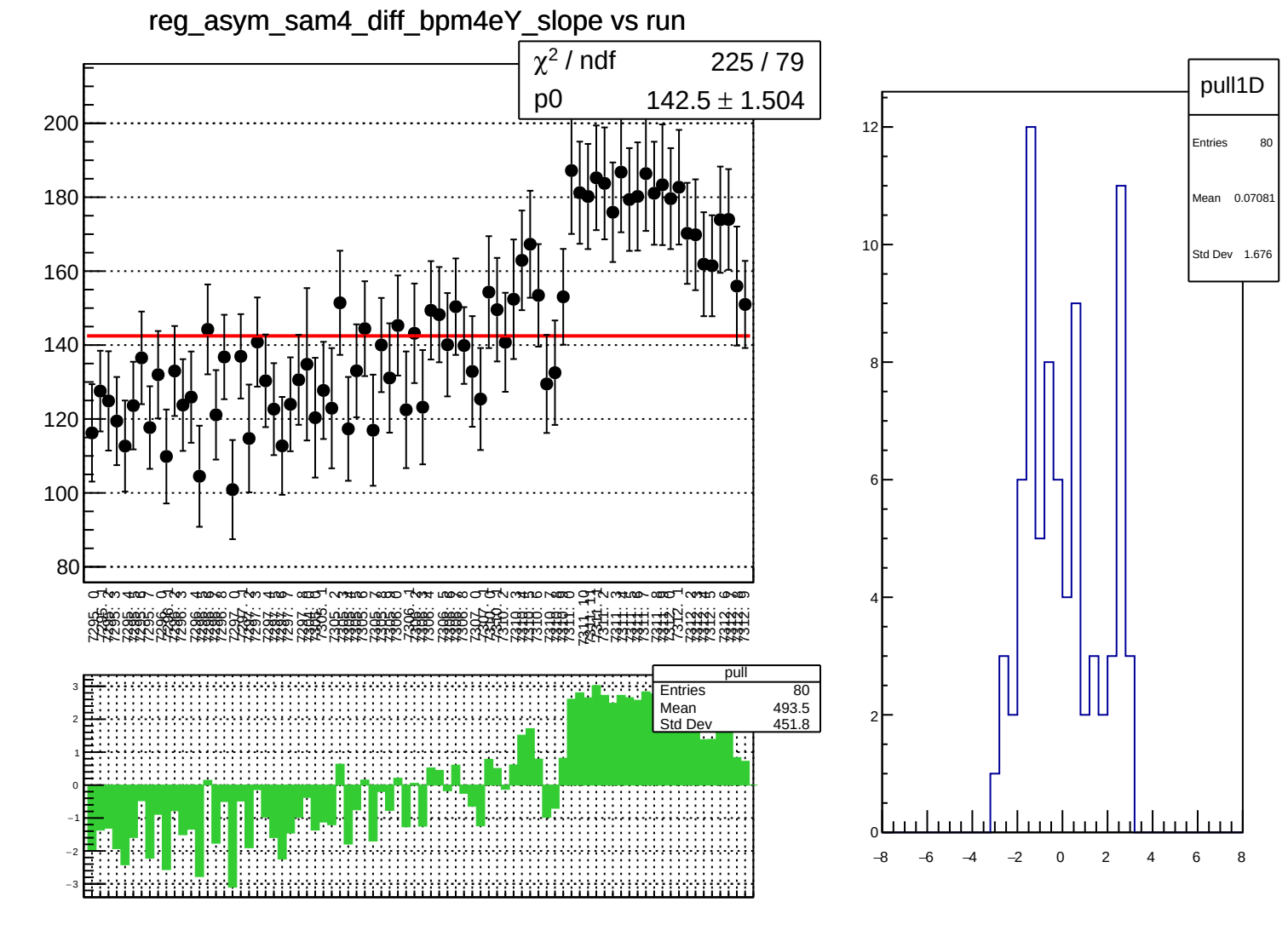

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1536 / 79
p0 −144.4 ± 1.505
pull
Entries 80
Mean 160.6
Std Dev 114.3

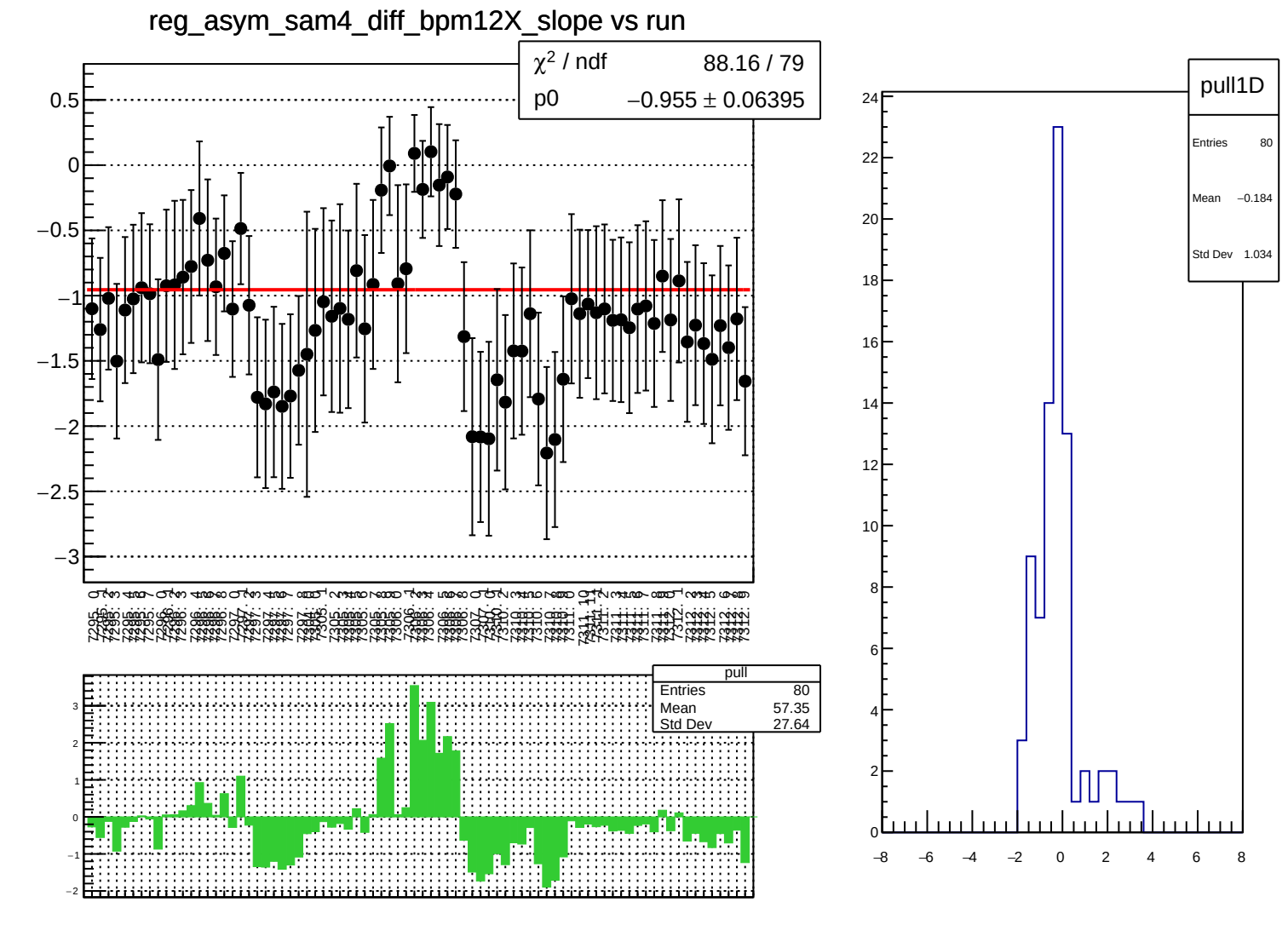

pull1D
Entries 80
Mean 0.6693
Std Dev 4.33

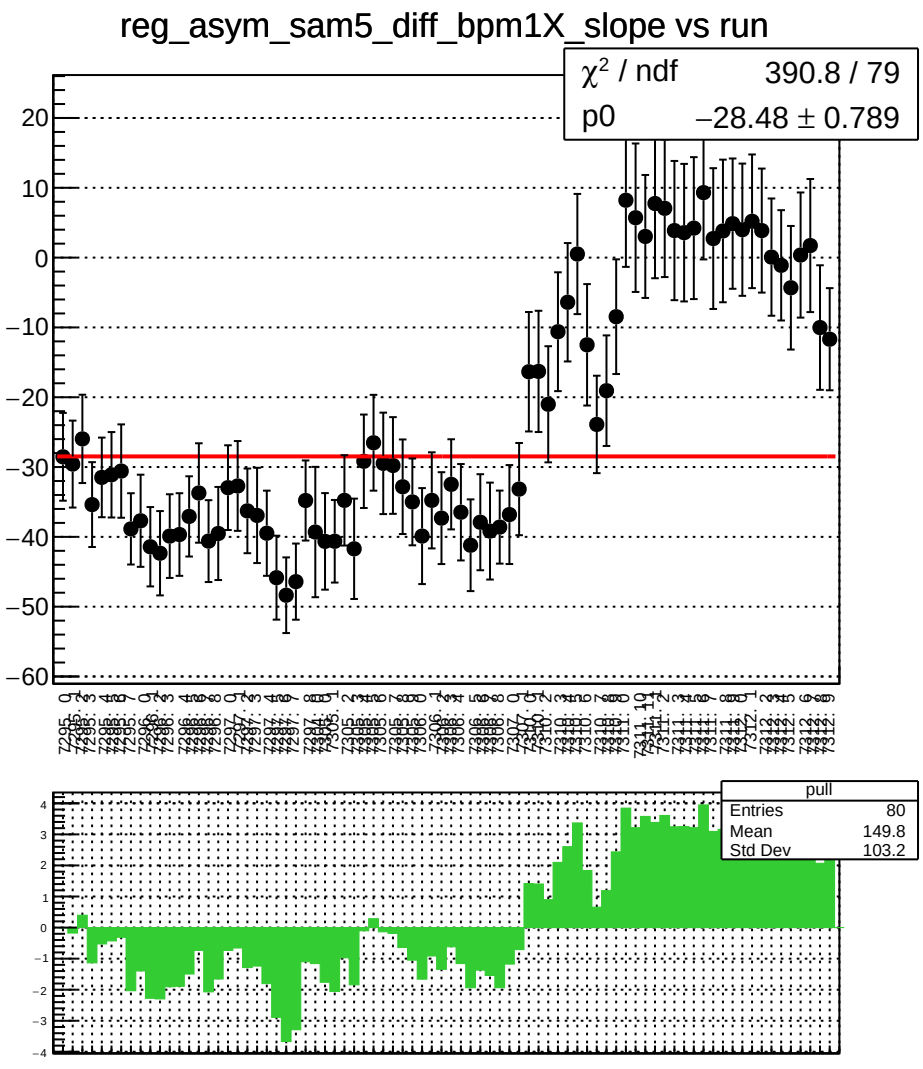

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 467 / 79
p0 64.74 ± 1.401
pull
Entries 80
Mean 974.5
Std Dev 931.5
pull1D
Entries 80
Mean −0.04961
Std Dev 2.416

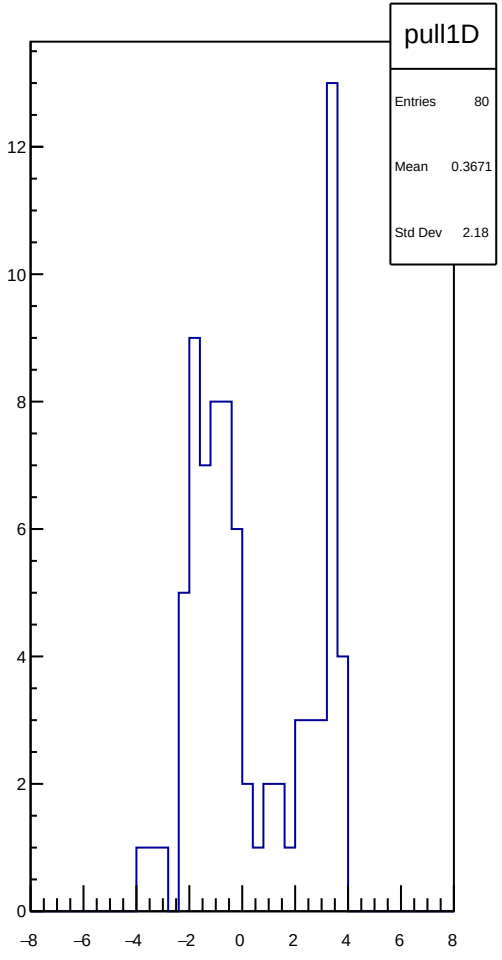

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1211 / 79
p0 −15.61 ± 1.49
pull
Entries 80
Mean 157.3
Std Dev 111.6

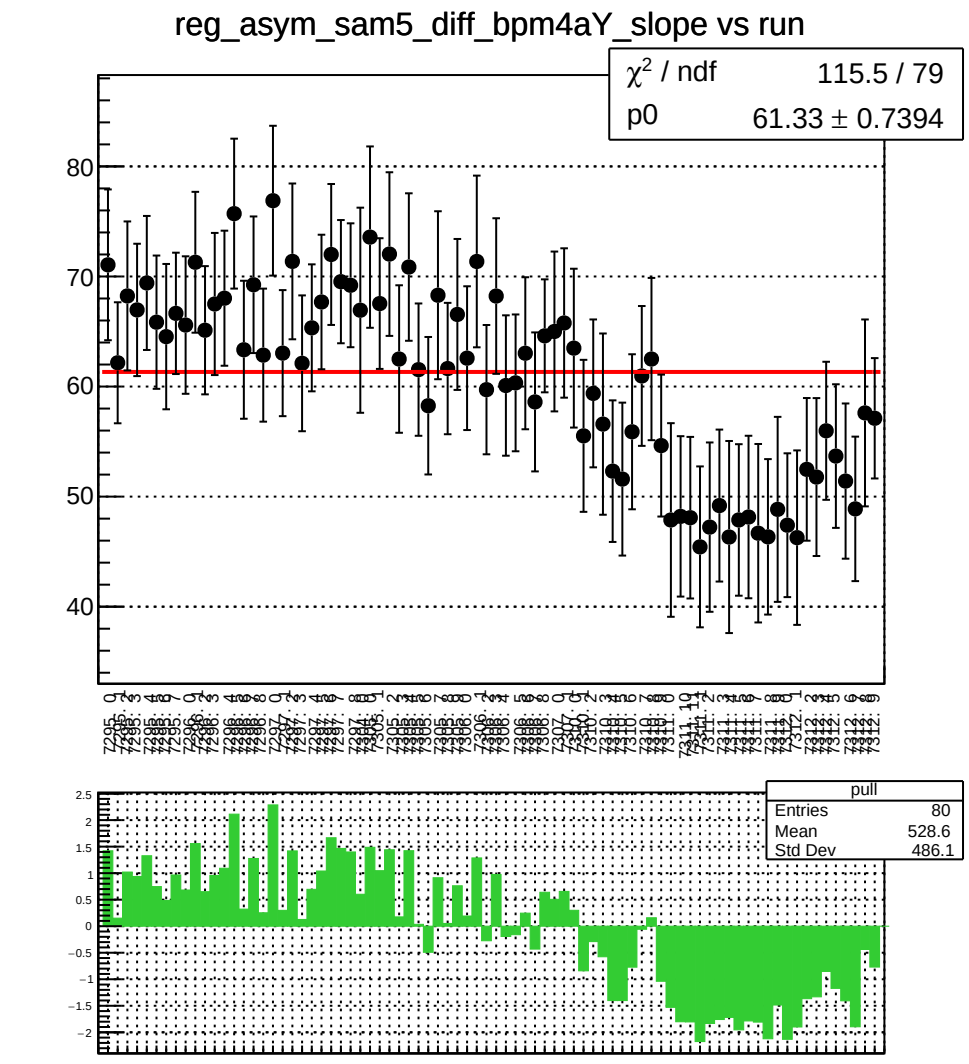

pull1D
Entries 80
Mean −0.628
Std Dev 3.839

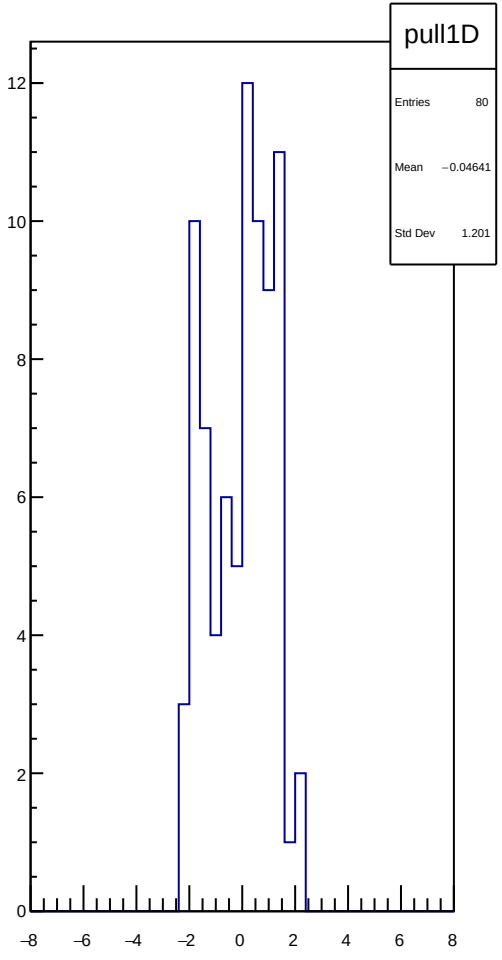

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 225 / 79
p0 142.5 ± 1.504
pull
Entries 80
Mean 493.5
Std Dev 451.8
pull1D
Entries 80
Mean 0.07081
Std Dev 1.676

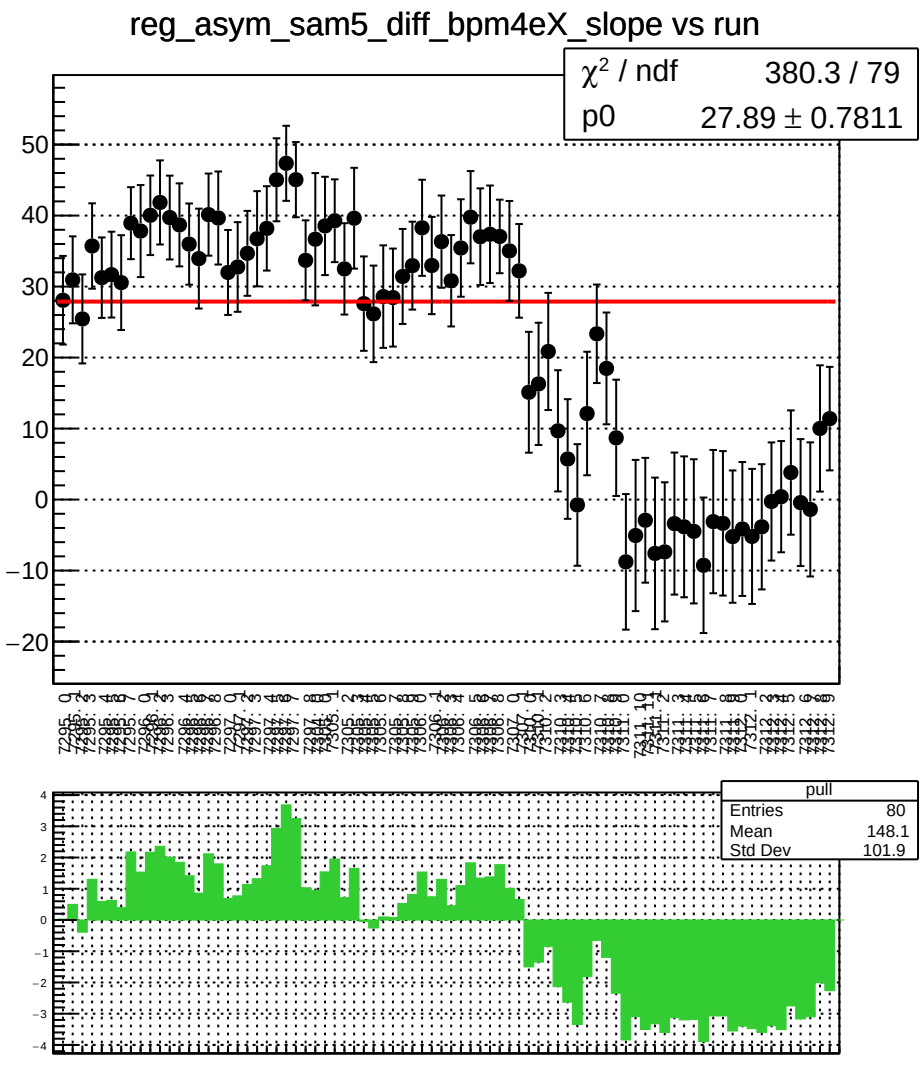

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 79
p0 −0.955 ± 0.06395
pull
Entries 80
Mean 57.35
Std Dev 27.64
pull1D
Entries 80
Mean −0.184
Std Dev 1.034

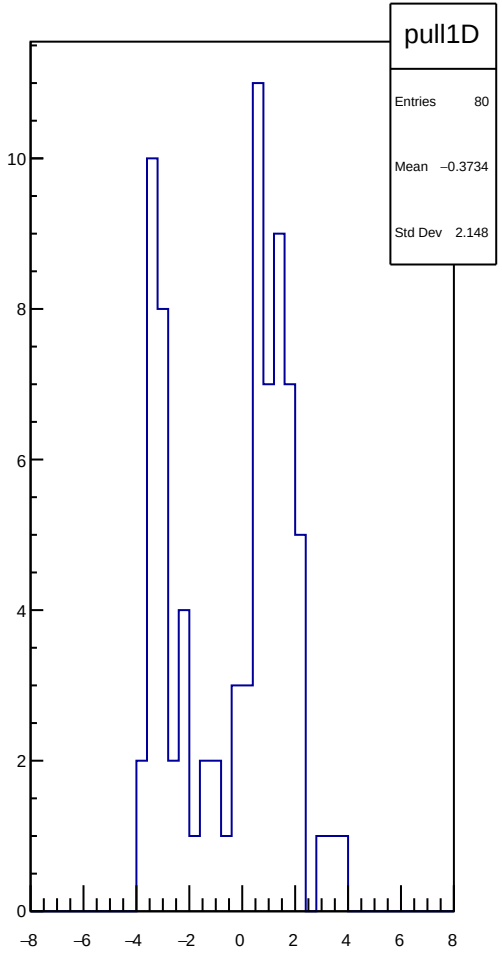

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 390.8 / 79
p0 −28.48 ± 0.789
pull
Entries 80
Mean 149.8
Std Dev 103.2

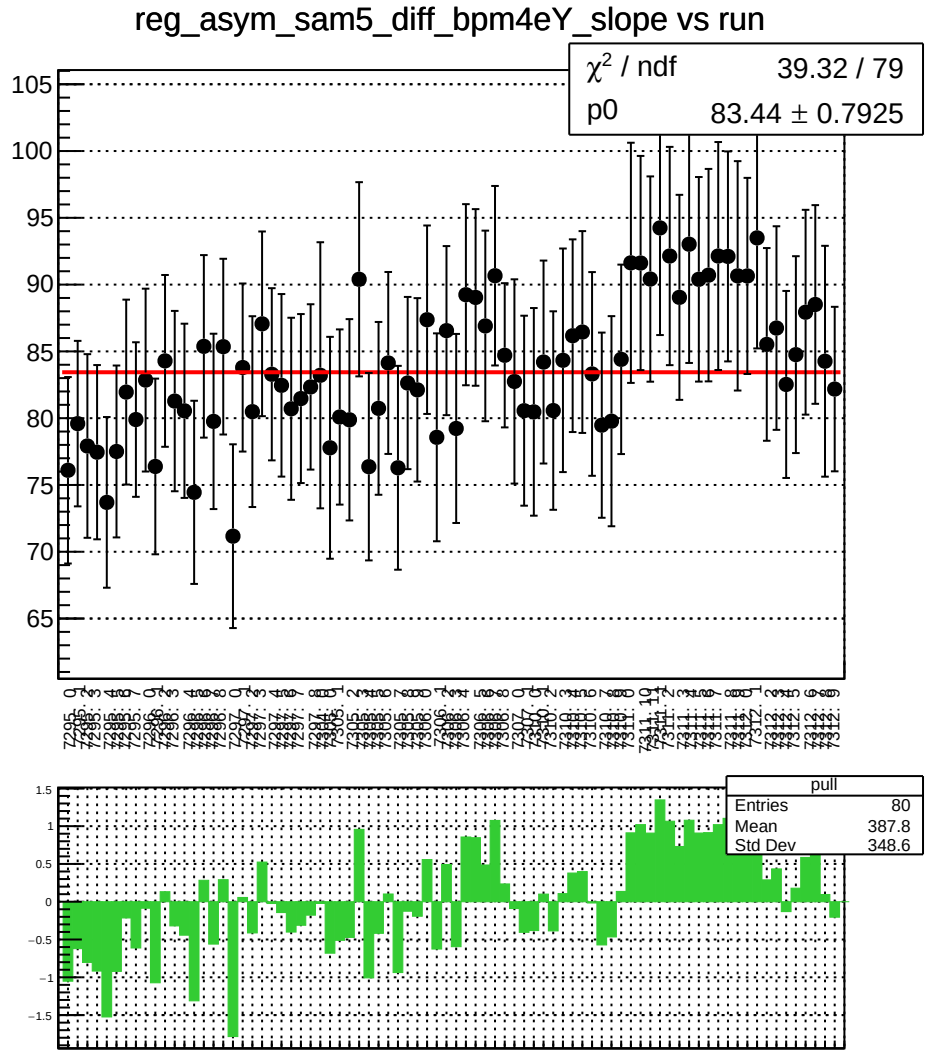

pull1D
Entries 80
Mean 0.3671
Std Dev 2.18

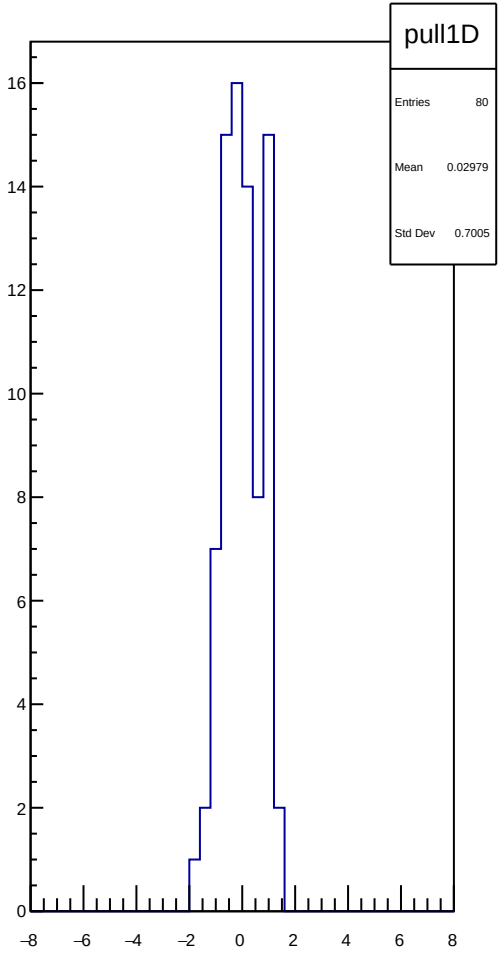

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 115.5 / 79
p0 61.33 ± 0.7394
pull
Entries 80
Mean 528.6
Std Dev 486.1

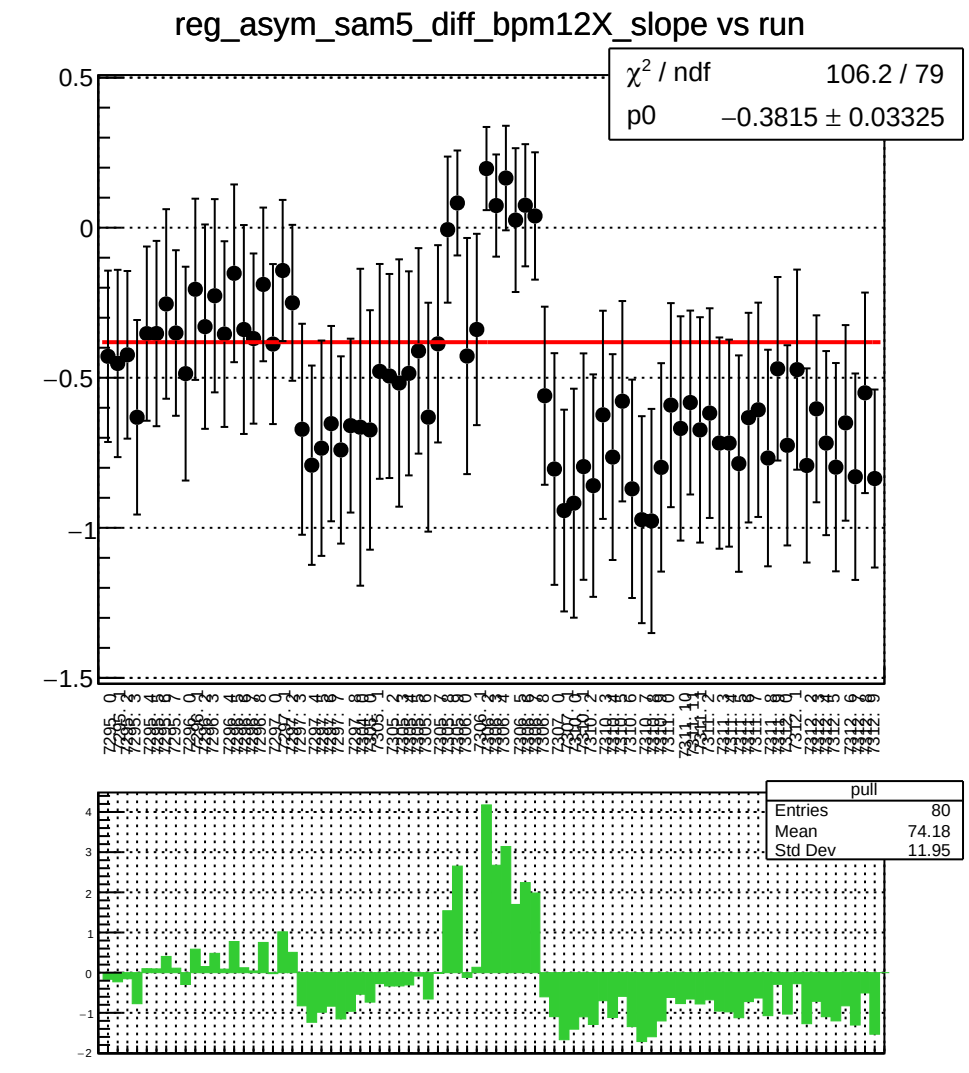

pull1D
Entries 80
Mean −0.04641
Std Dev 1.201

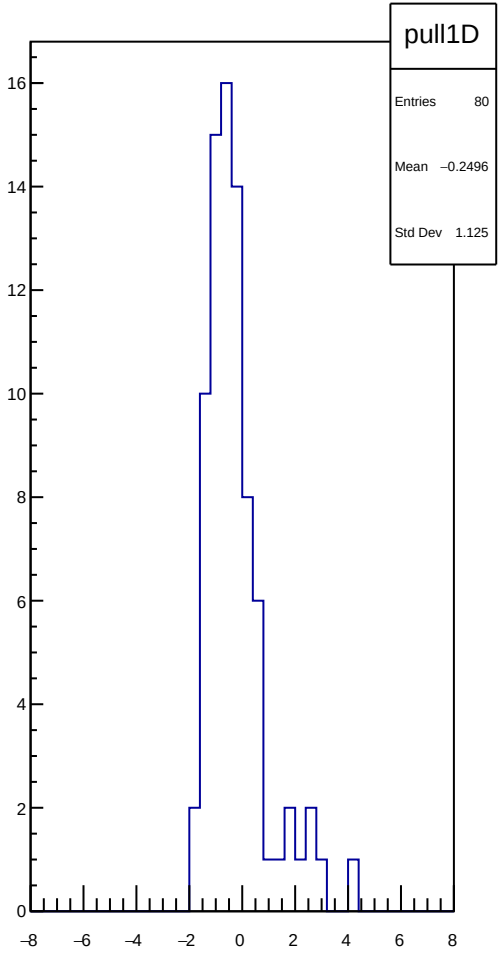

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 380.3 / 79
p0 27.89 ± 0.7811
pull
Entries 80
Mean 148.1
Std Dev 101.9

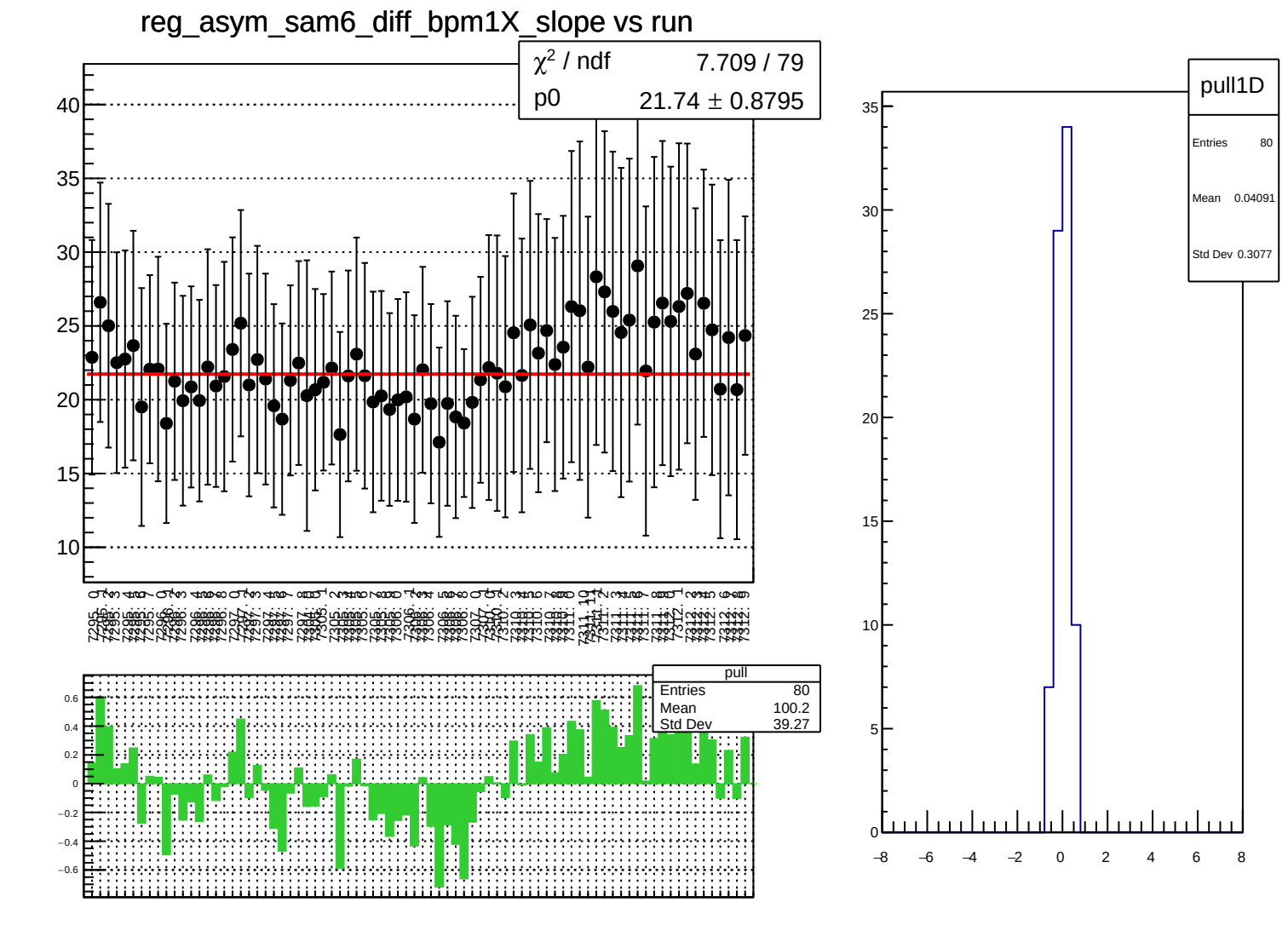

pull1D
Entries 80
Mean −0.3734
Std Dev 2.148

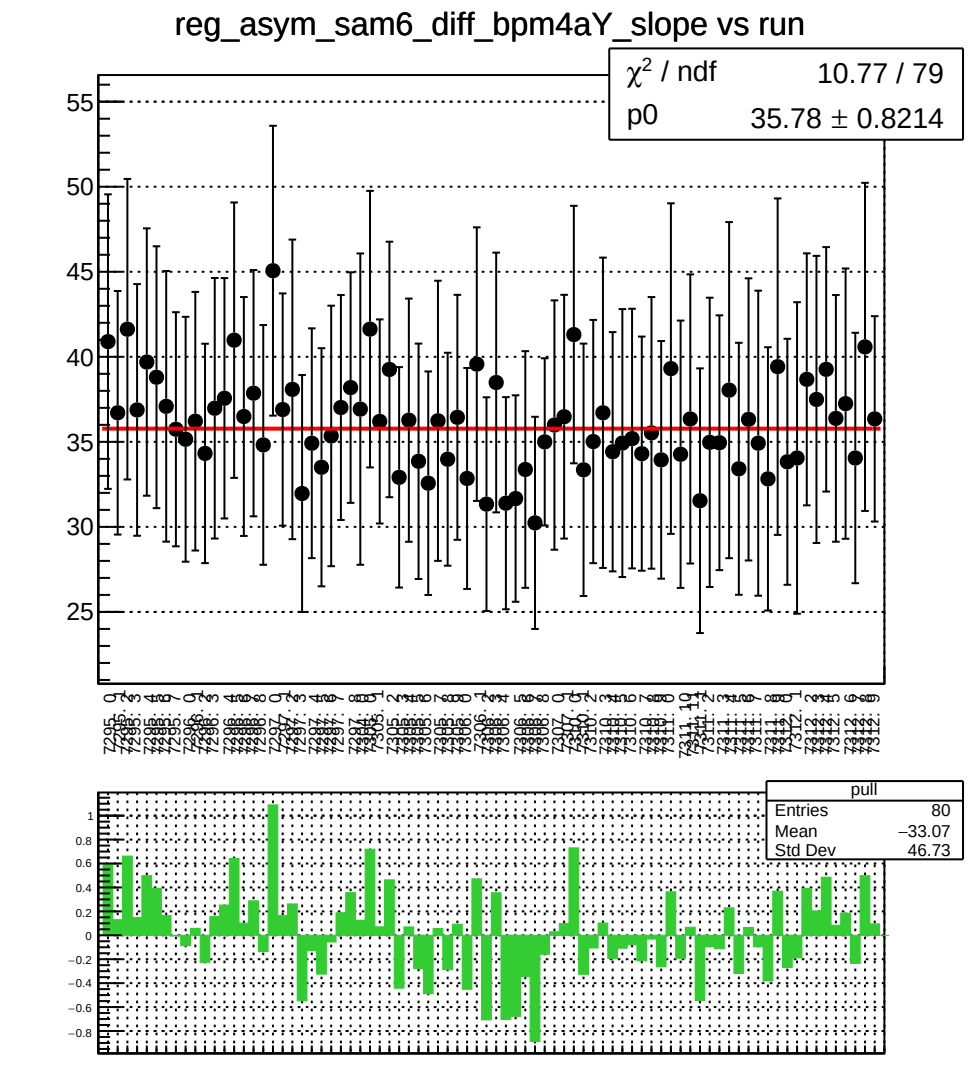

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 39.32 / 79
p0 83.44 ± 0.7925
pull
Entries 80
Mean 387.8
Std Dev 348.6

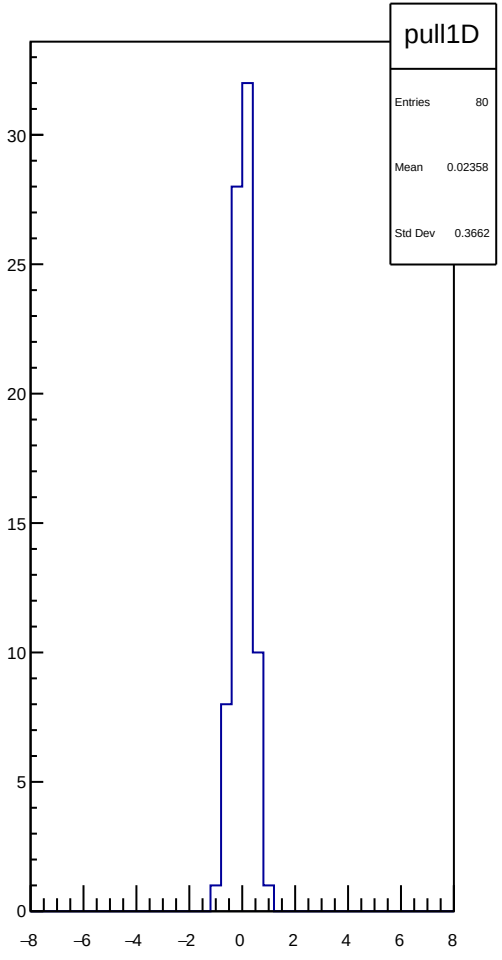

pull1D
Entries 80
Mean 0.02979
Std Dev 0.7005

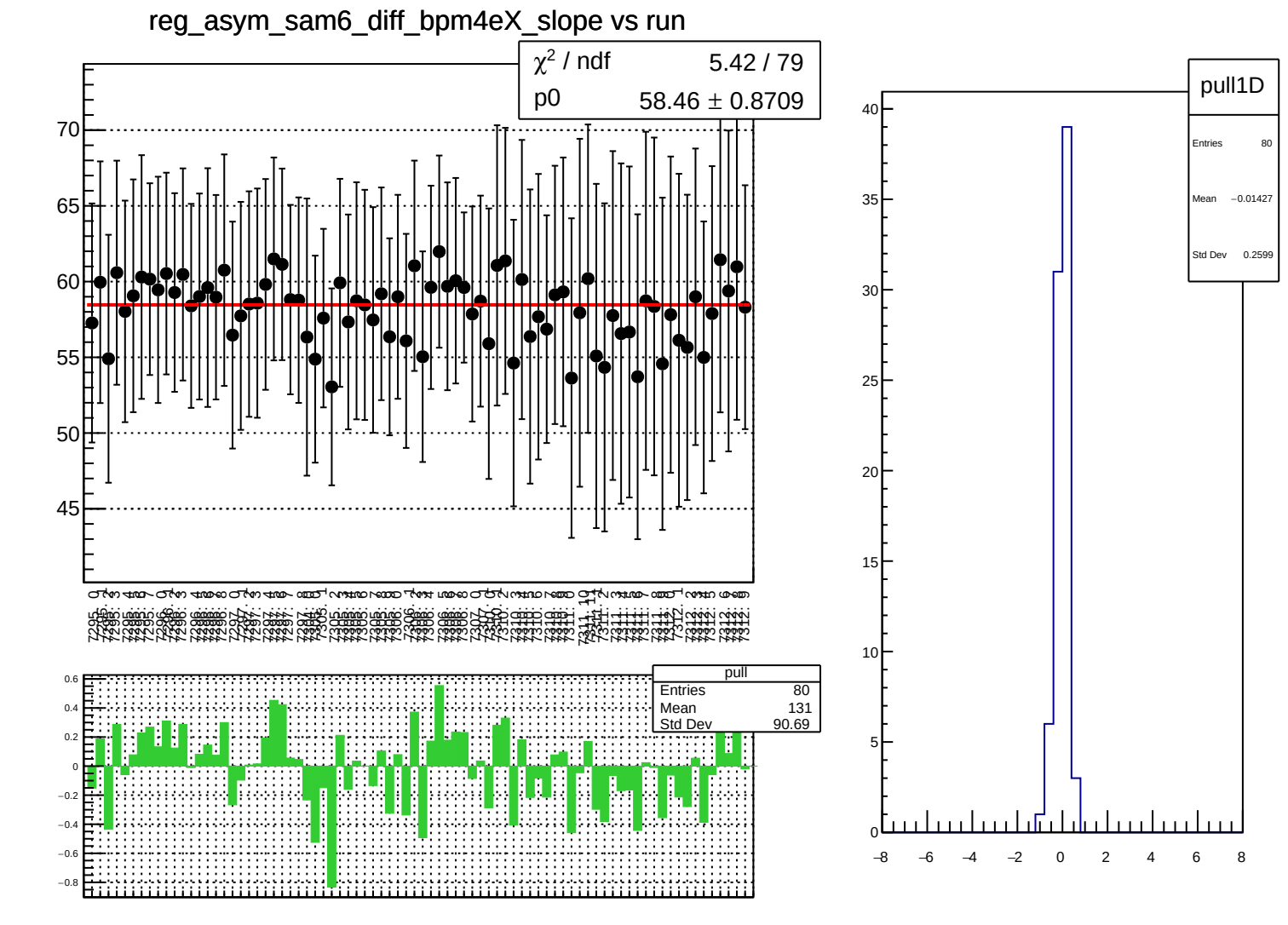

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 79
p0 −0.3815 ± 0.03325
pull
Entries 80
Mean 74.18
Std Dev 11.95

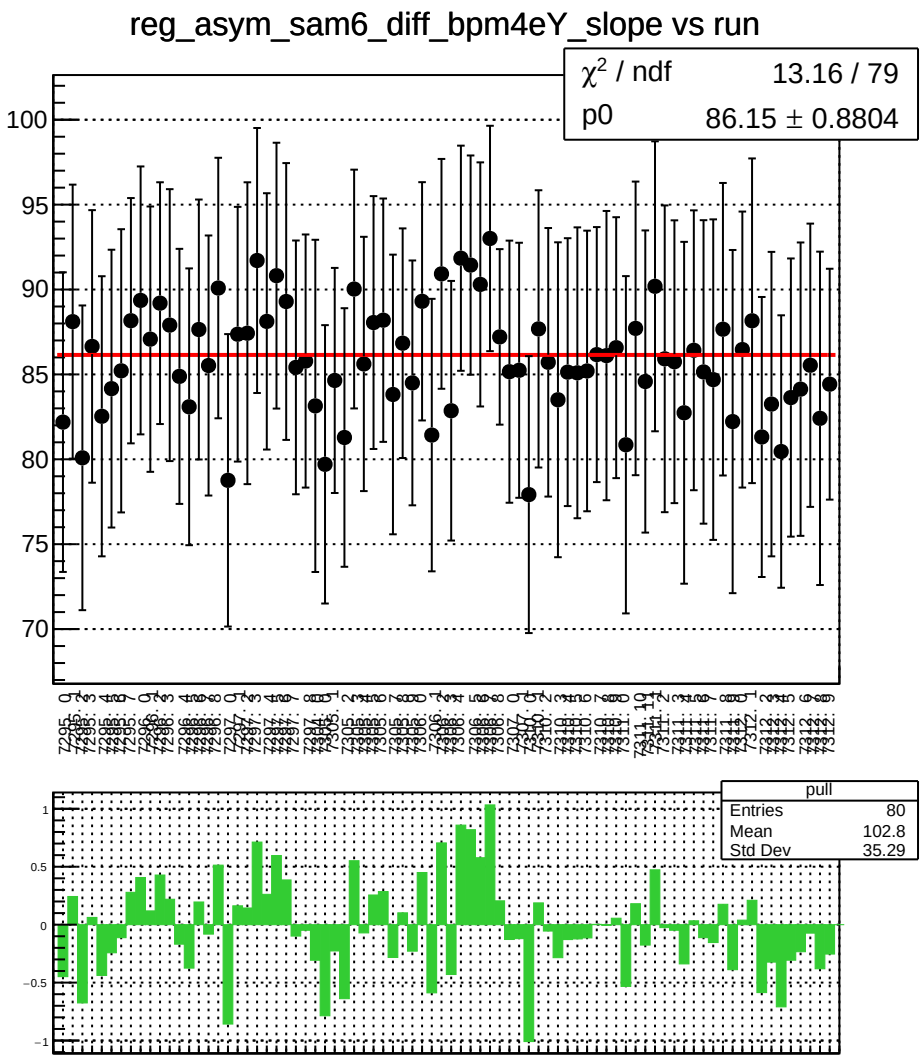

pull1D
Entries 80
Mean −0.2496
Std Dev 1.125

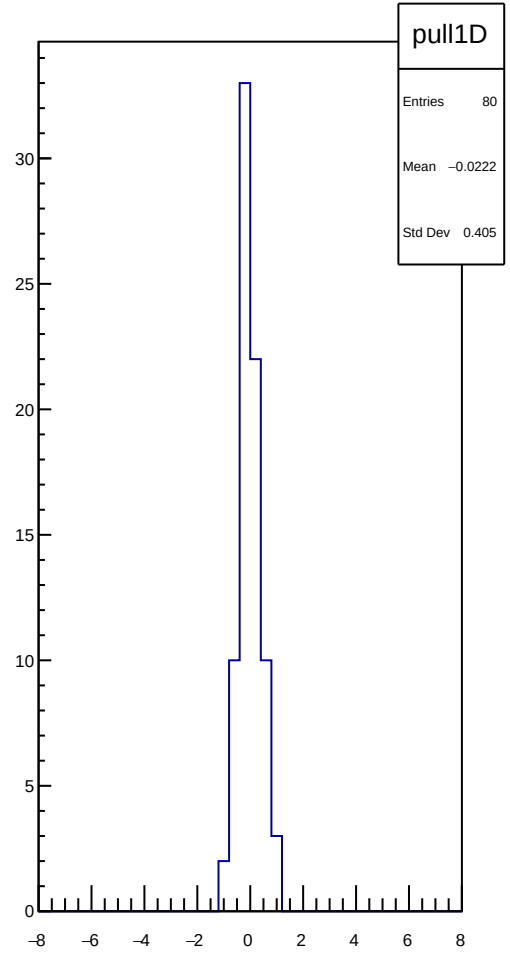

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.709 / 79
p0 21.74 ± 0.8795
pull
Entries 80
Mean 100.2
Std Dev 39.27
pull1D
Entries 80
Mean 0.04091
Std Dev 0.3077

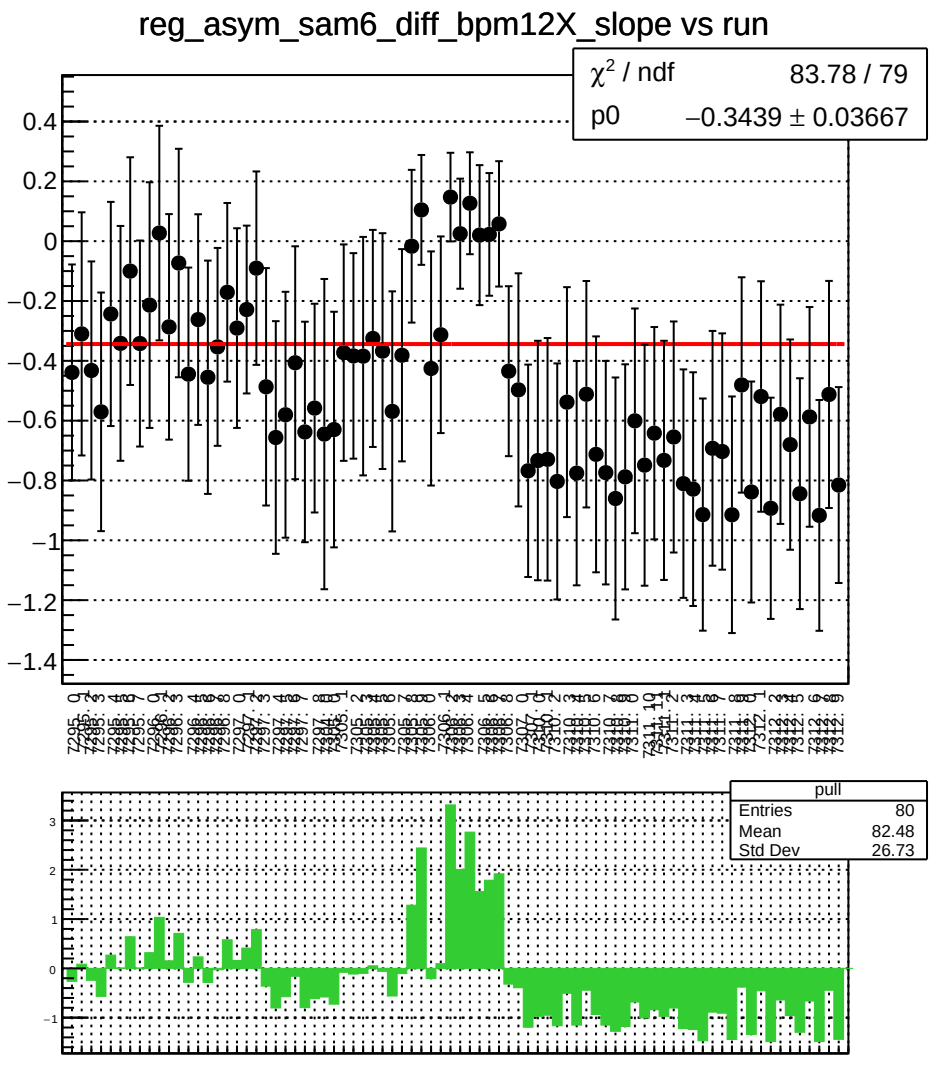

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.77 / 79
p0 35.78 ± 0.8214
pull
Entries 80
Mean −33.07
Std Dev 46.73

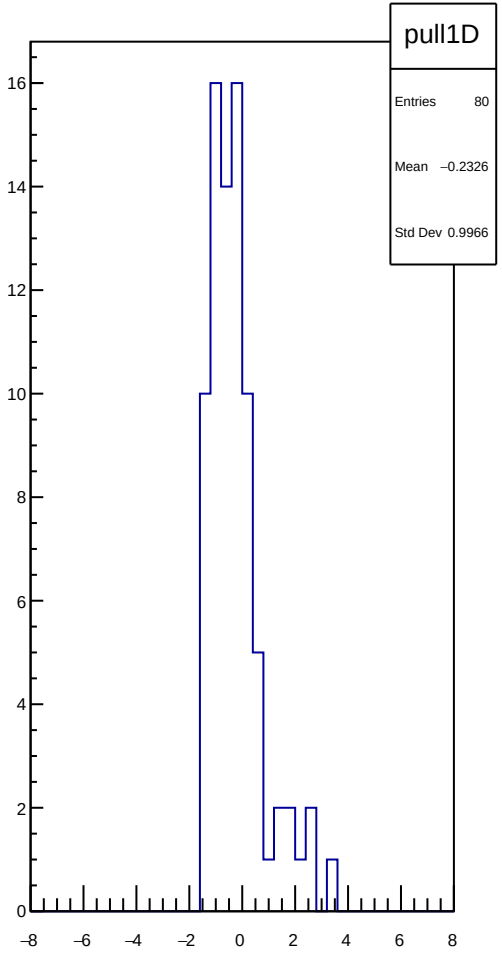

pull1D
Entries 80
Mean 0.02358
Std Dev 0.3662

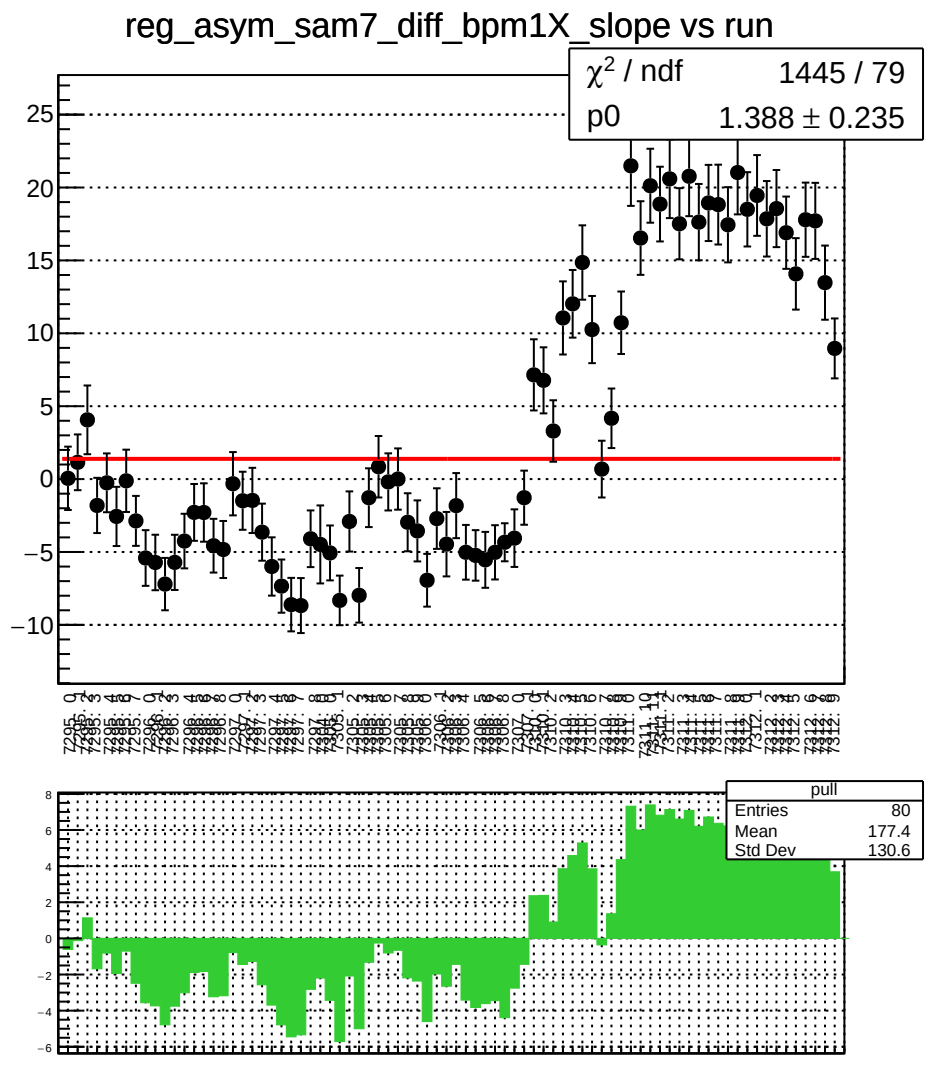

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.42 / 79
p0 58.46 ± 0.8709
pull
Entries 80
Mean 131
Std Dev 90.69
pull1D
Entries 80
Mean −0.01427
Std Dev 0.2599

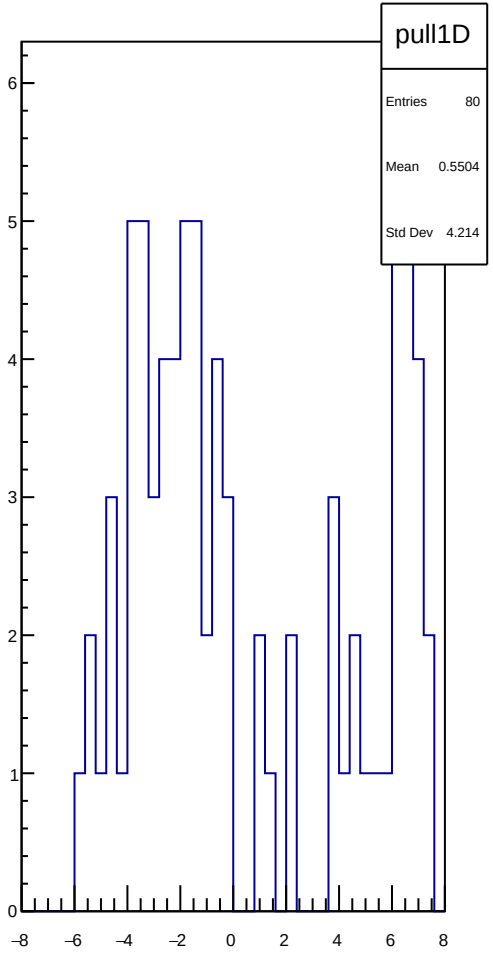

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.16 / 79
p0 86.15 ± 0.8804
pull
Entries 80
Mean 102.8
Std Dev 35.29

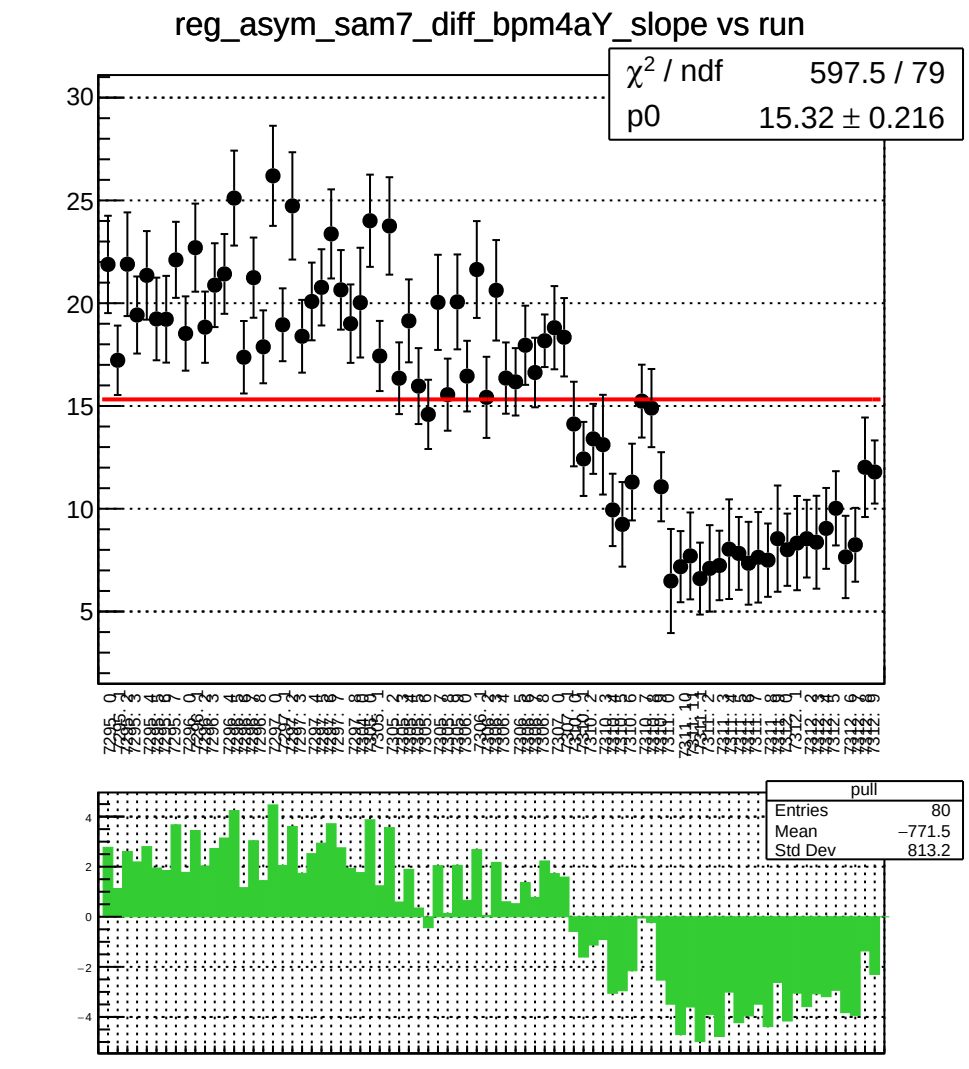

pull1D
Entries 80
Mean −0.0222
Std Dev 0.405

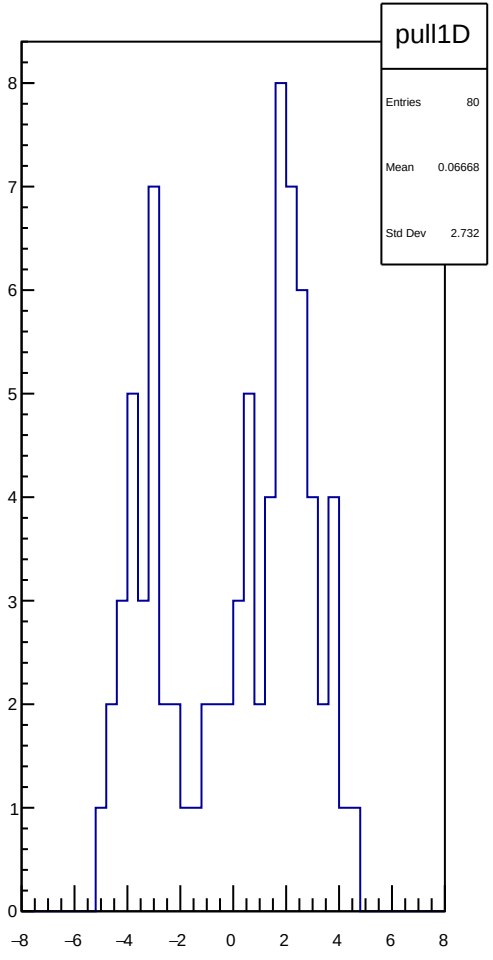

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 83.78 / 79
p0 −0.3439 ± 0.03667
pull
Entries 80
Mean 82.48
Std Dev 26.73

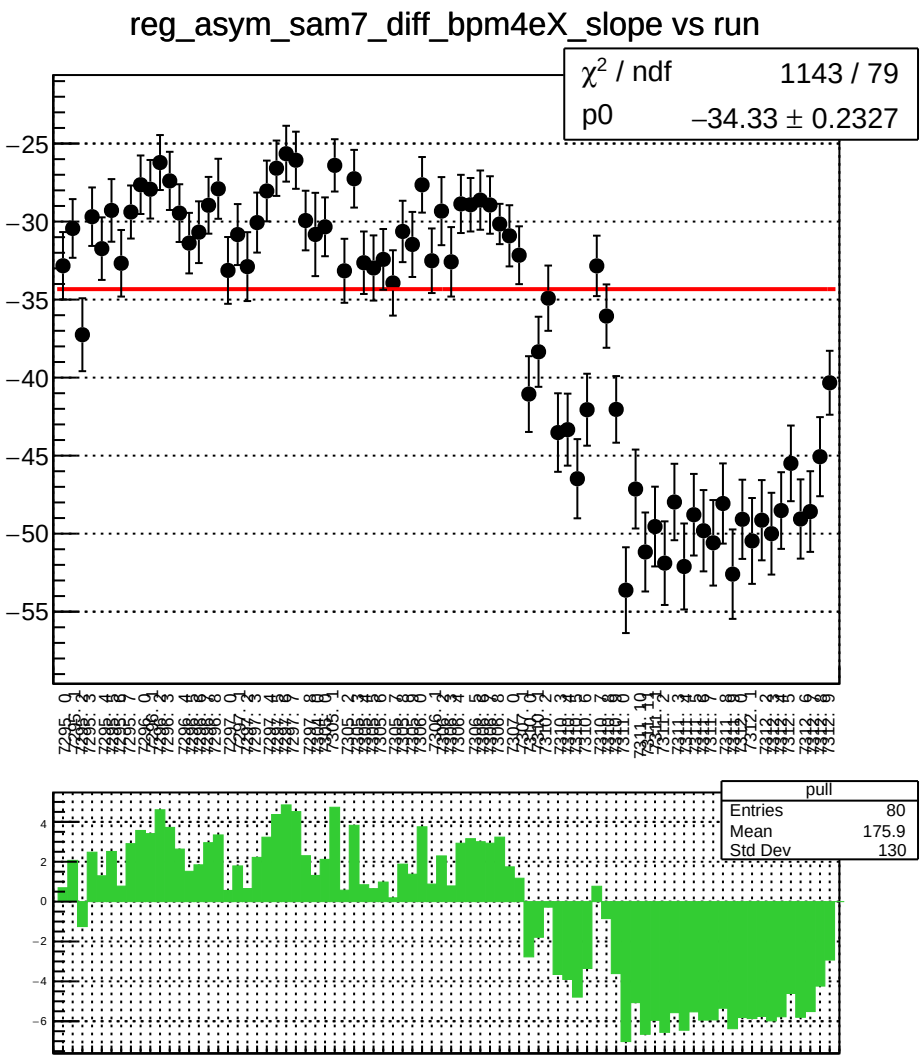

pull1D
Entries 80
Mean −0.2326
Std Dev 0.9966

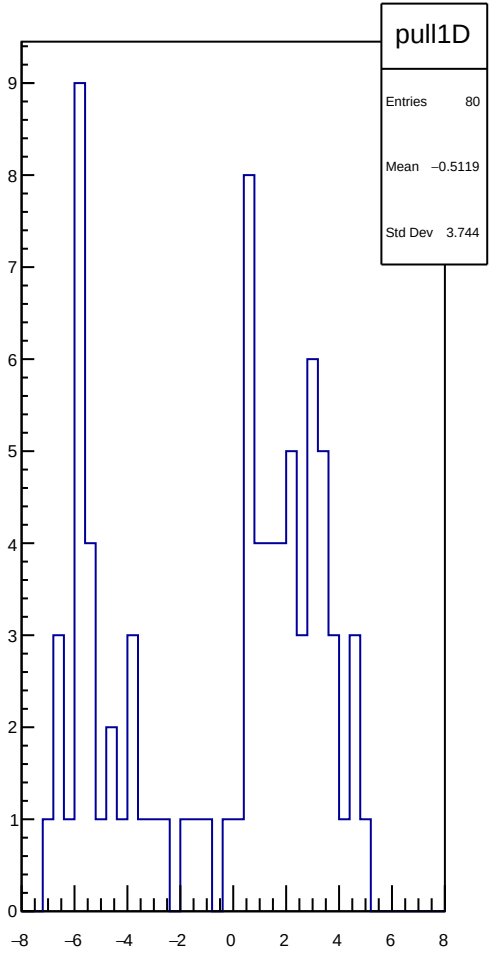

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1445 / 79
p0 1.388 ± 0.235
pull
Entries 80
Mean 177.4
Std Dev 130.6

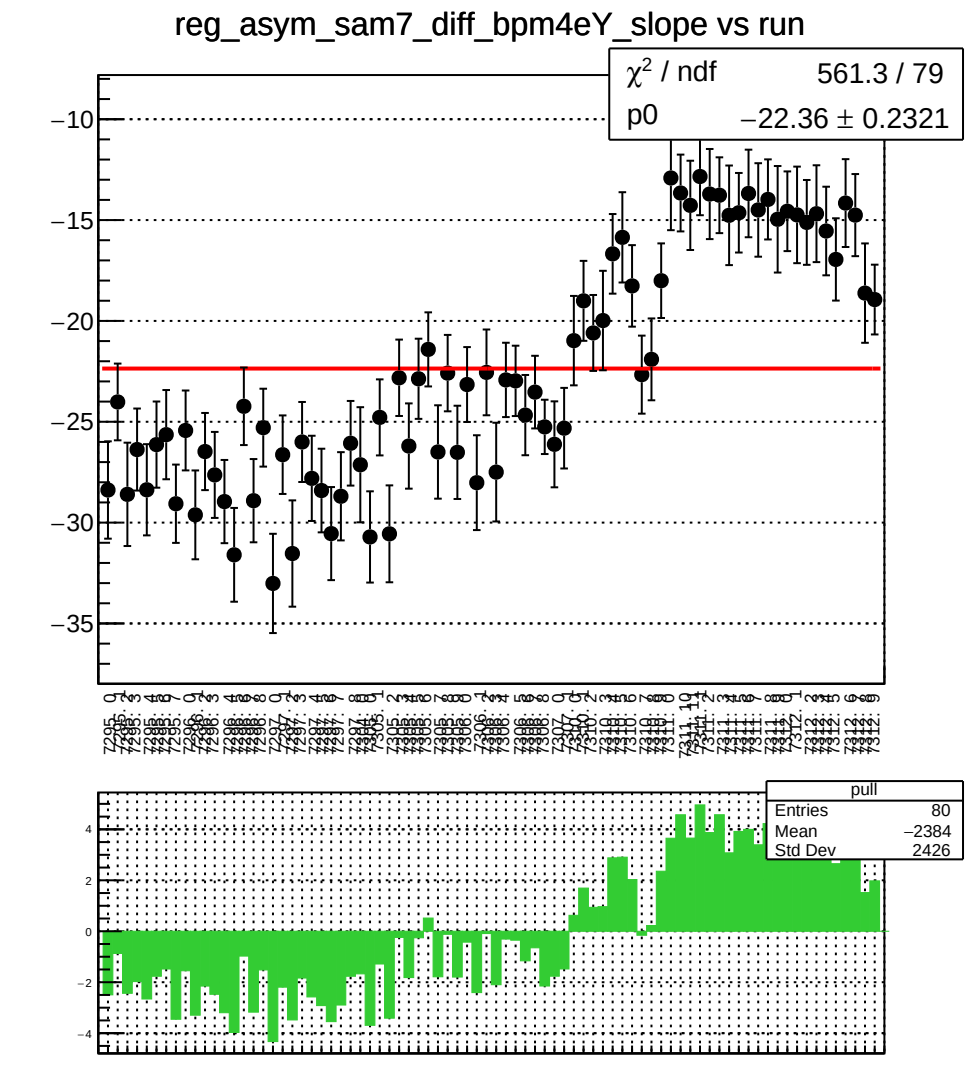

pull1D
Entries 80
Mean 0.5504
Std Dev 4.214

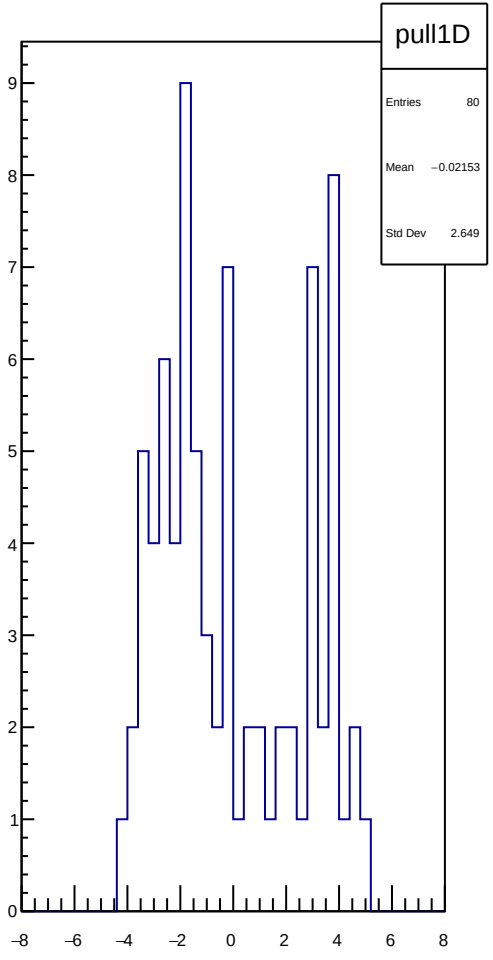

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 597.5 / 79
p0 15.32 ± 0.216
pull
Entries 80
Mean −771.5
Std Dev 813.2

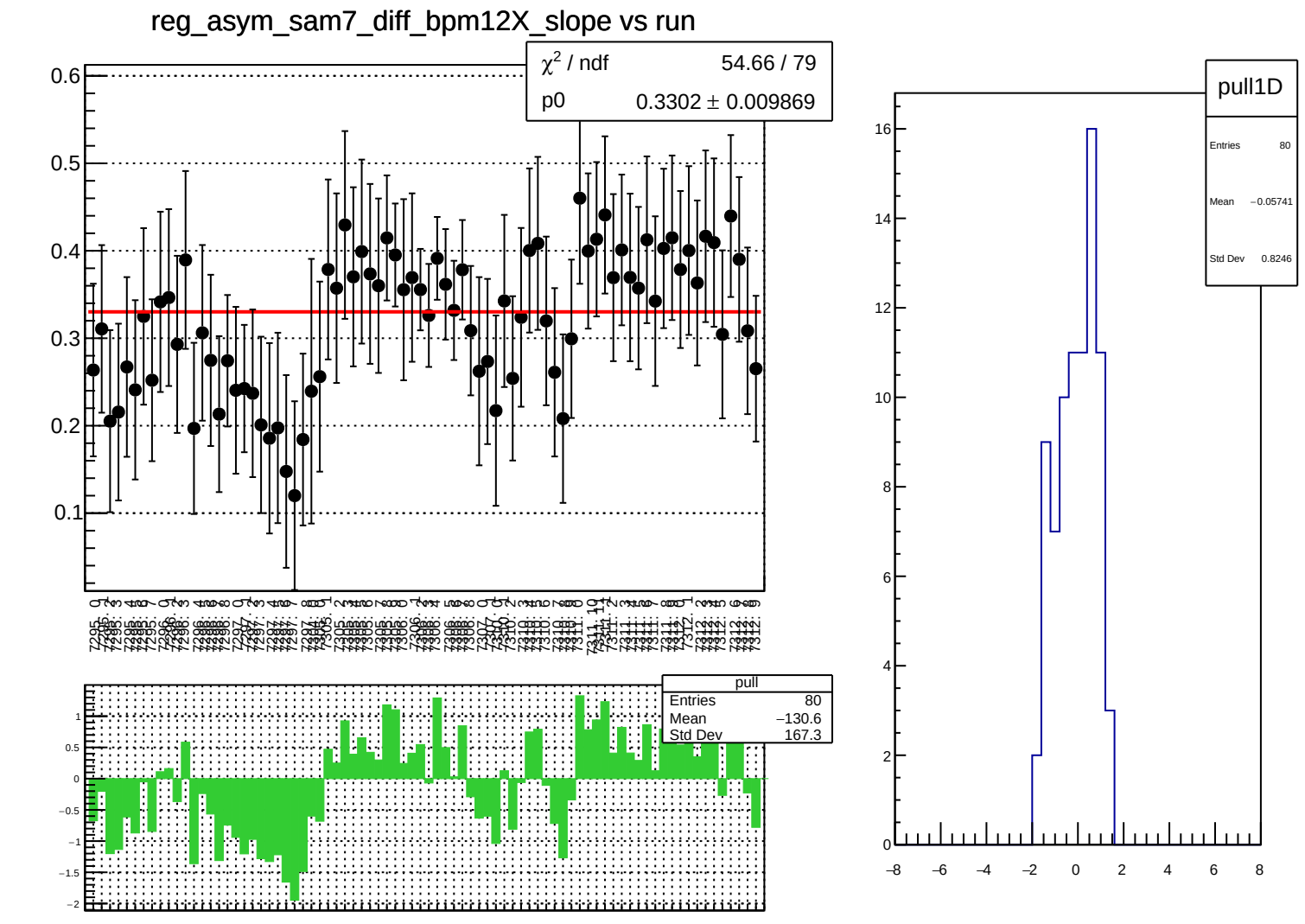

pull1D
Entries 80
Mean 0.06668
Std Dev 2.732

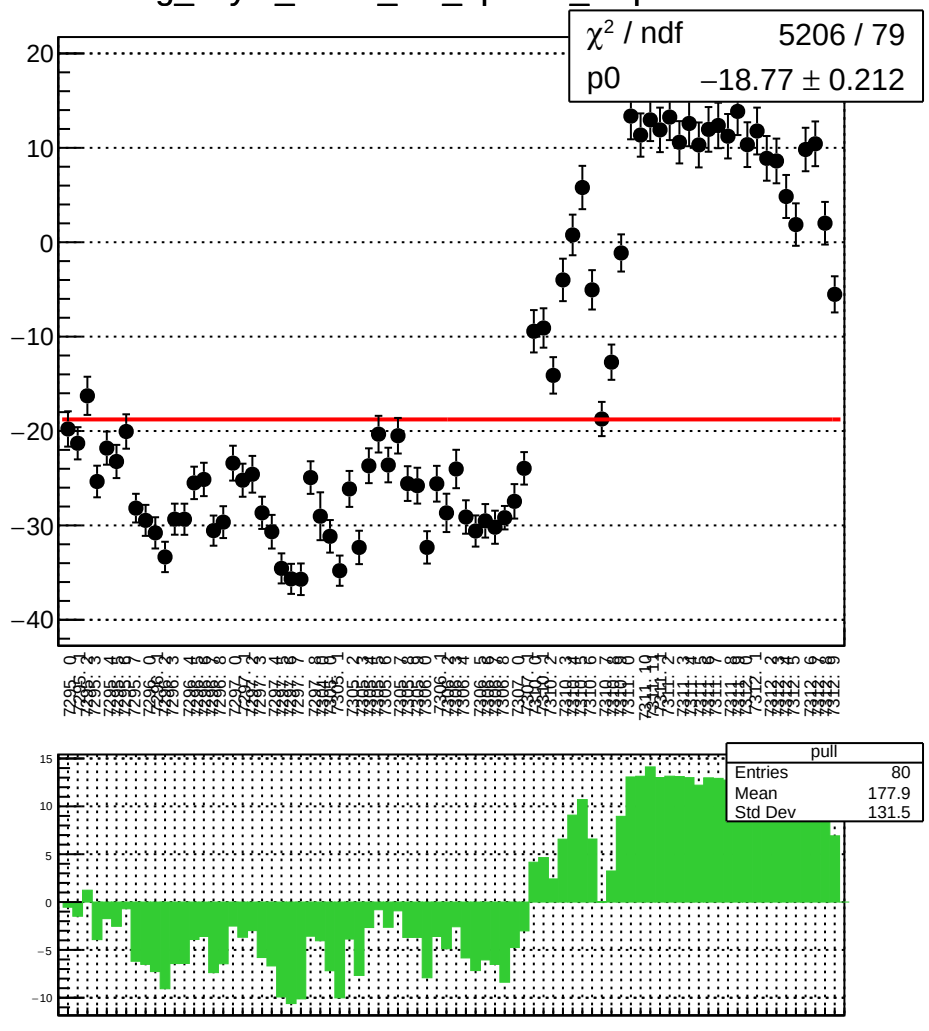

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1143 / 79
p0 −34.33 ± 0.2327
pull
Entries 80
Mean 175.9
Std Dev 130

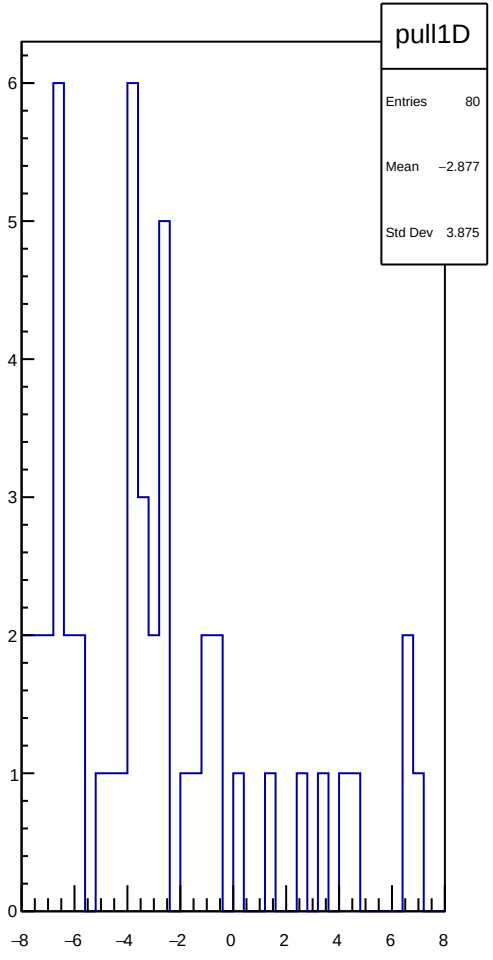

pull1D
Entries 80
Mean −0.5119
Std Dev 3.744

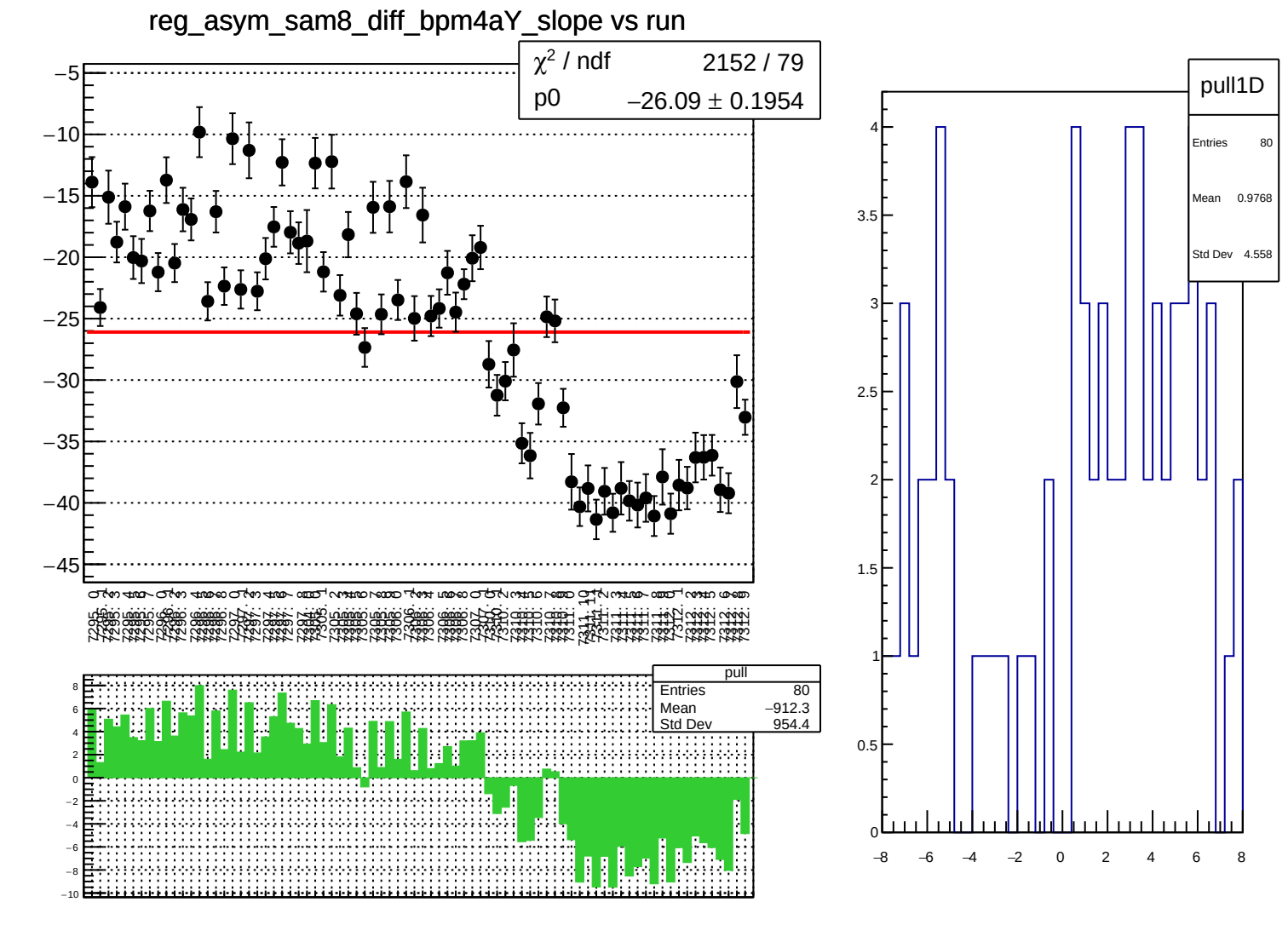

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 561.3 / 79
p0 −22.36 ± 0.2321
pull
Entries 80
Mean −2384
Std Dev 2426

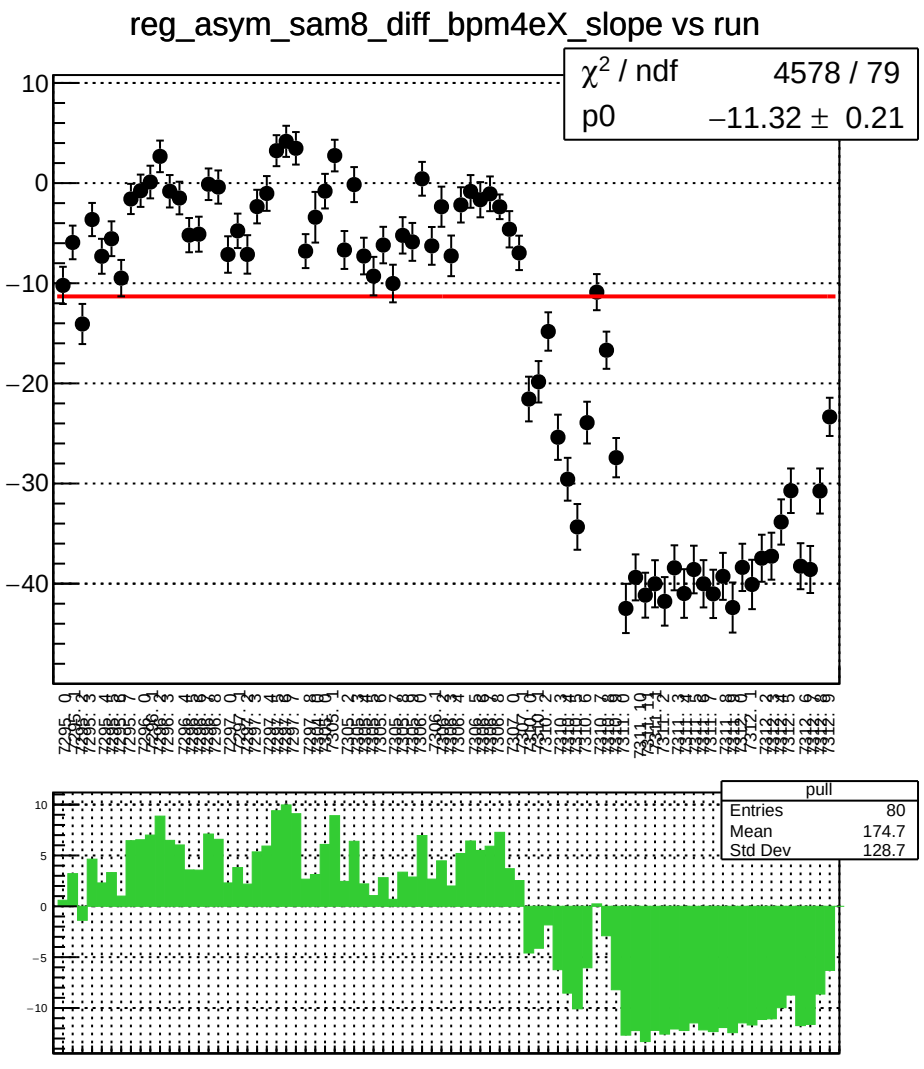

pull1D
Entries 80
Mean −0.02153
Std Dev 2.649

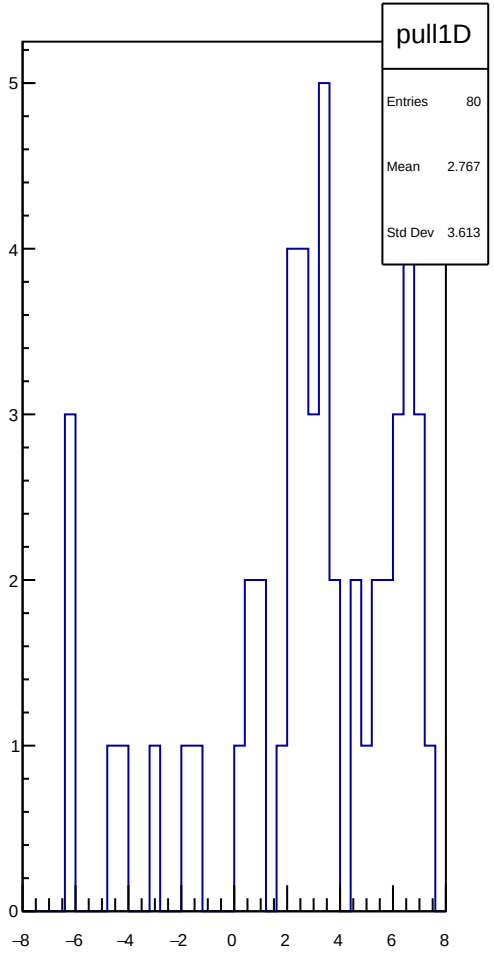

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 54.66 / 79
p0 0.3302 ± 0.009869
pull
Entries 80
Mean −130.6
Std Dev 167.3
pull1D
Entries 80
Mean −0.05741
Std Dev 0.8246

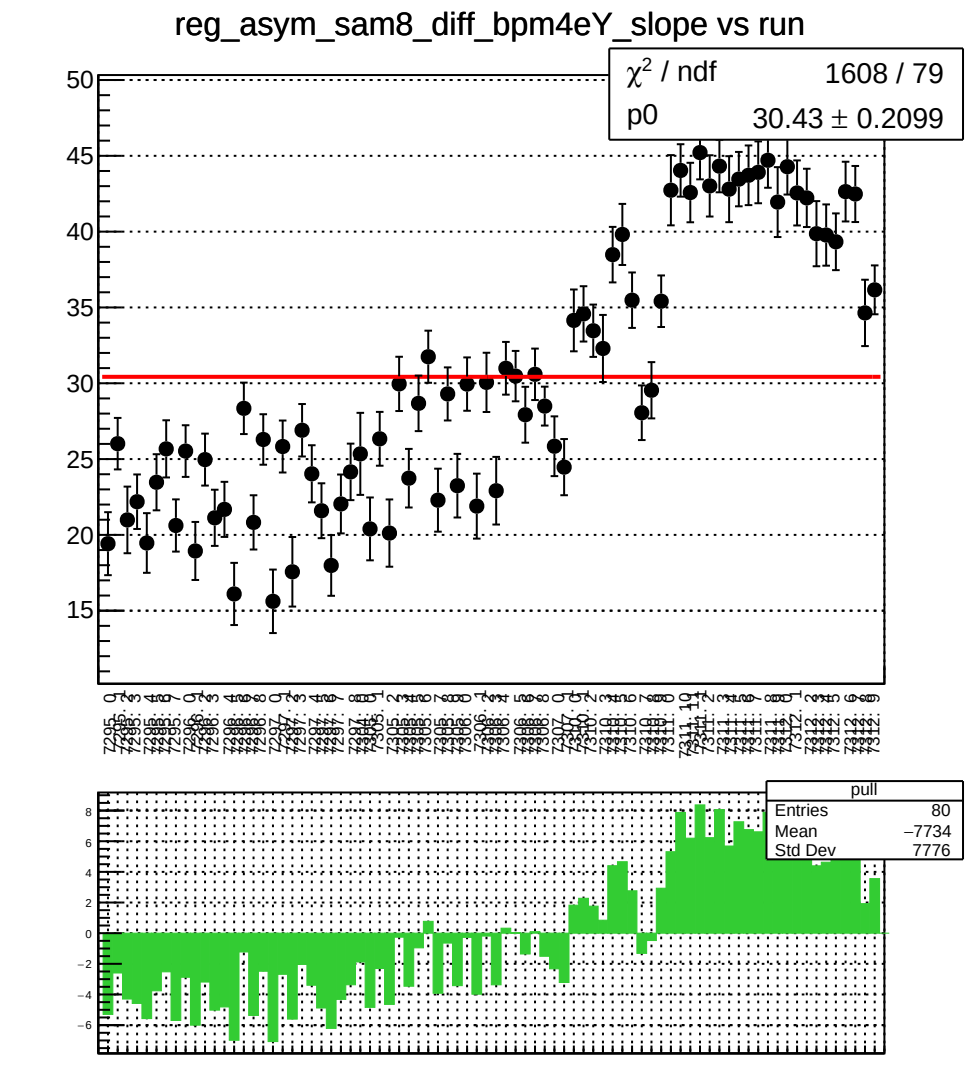

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5206 / 79
p0 −18.77 ± 0.212
pull
Entries 80
Mean 177.9
Std Dev 131.5

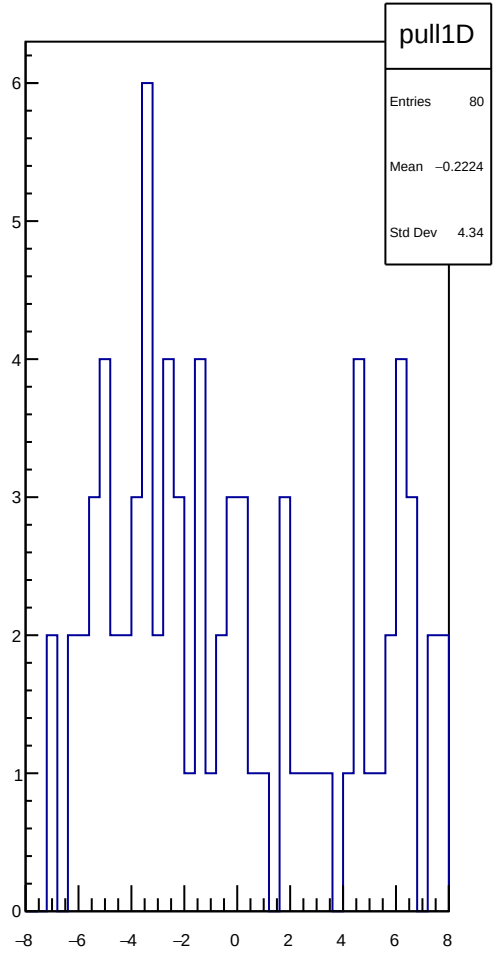

pull1D
Entries 80
Mean −2.877
Std Dev 3.875

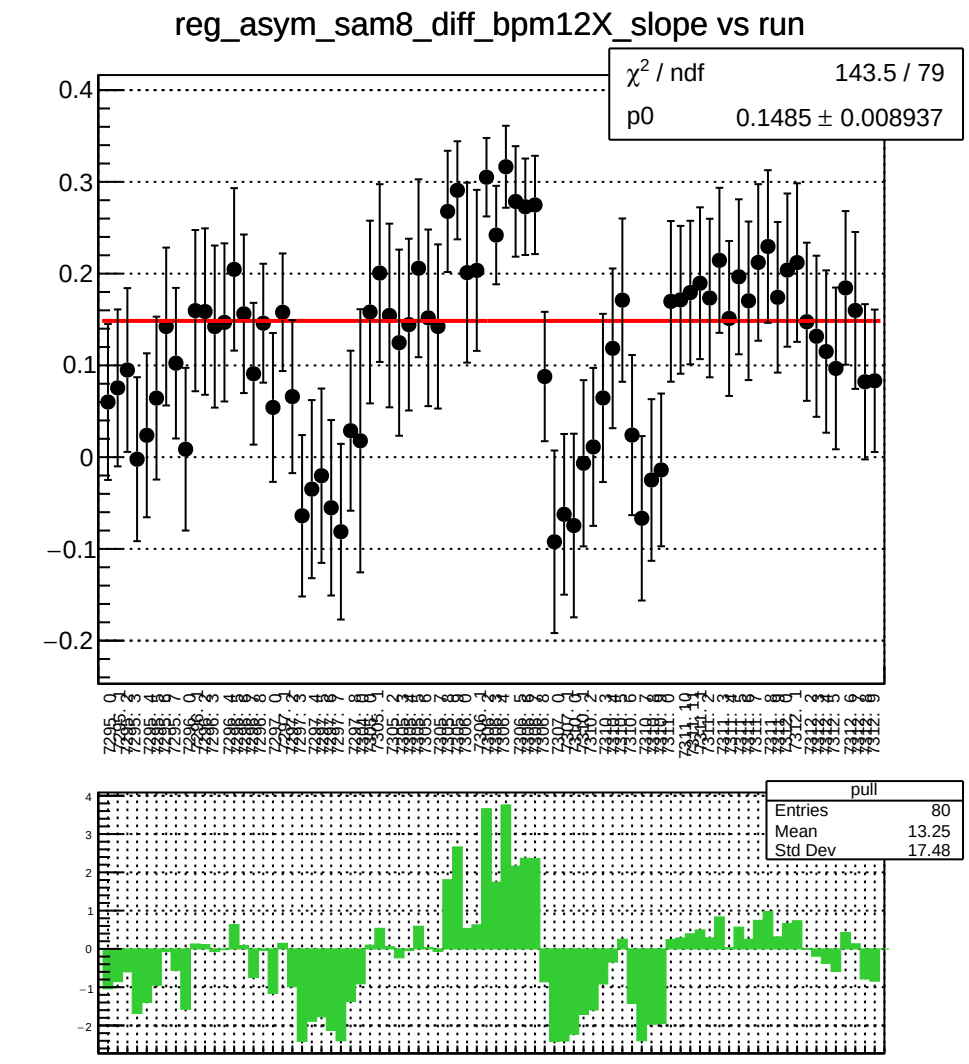

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 2152 / 79
p0 −26.09 ± 0.1954
pull
Entries 80
Mean −912.3
Std Dev 954.4
pull1D
Entries 80
Mean 0.9768
Std Dev 4.558

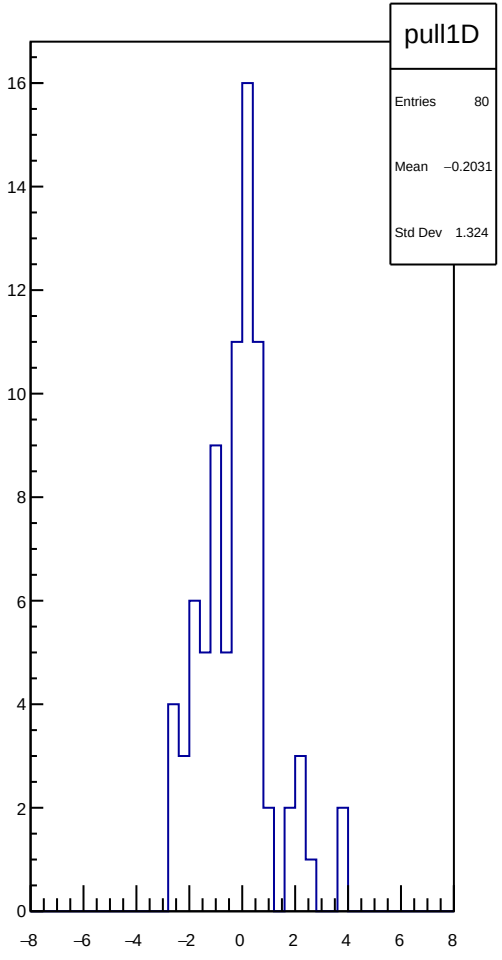

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 4578 / 79
p0 −11.32 ± 0.21
pull
Entries 80
Mean 174.7
Std Dev 128.7

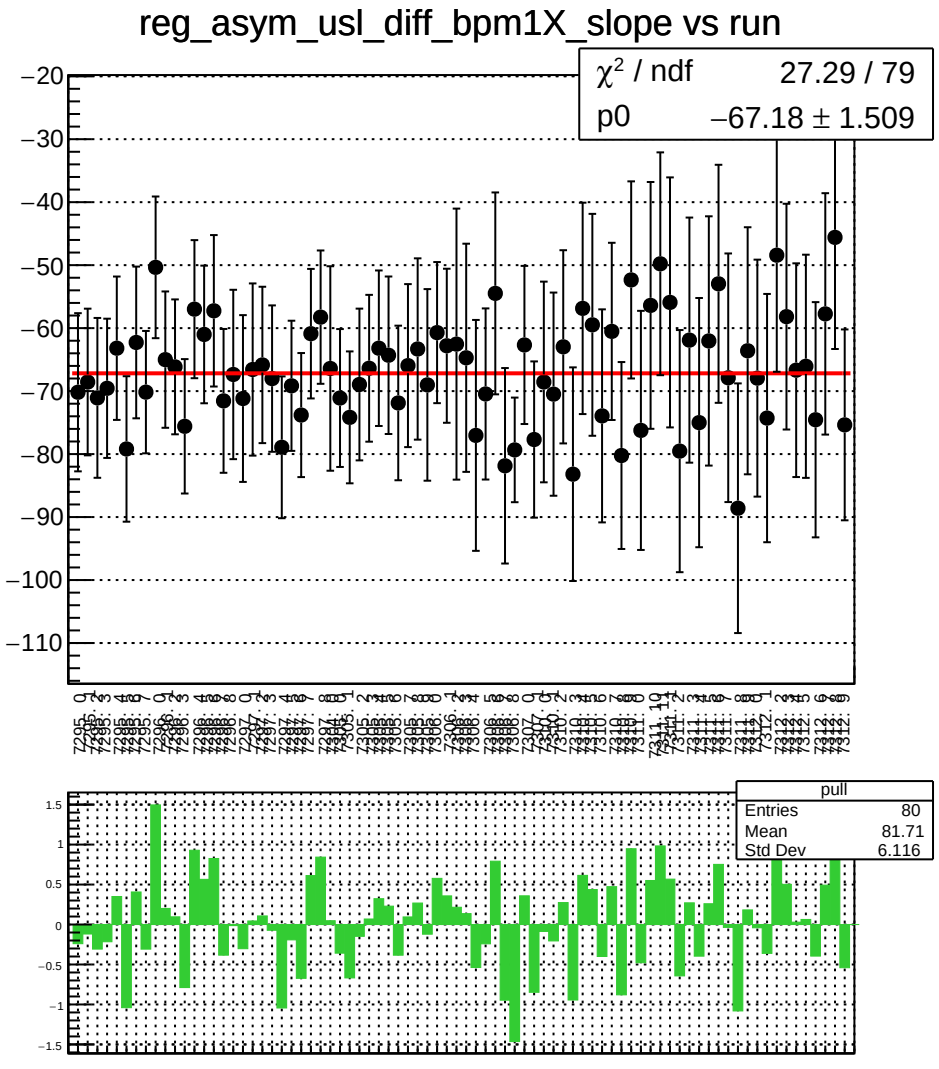

pull1D
Entries 80
Mean 2.767
Std Dev 3.613

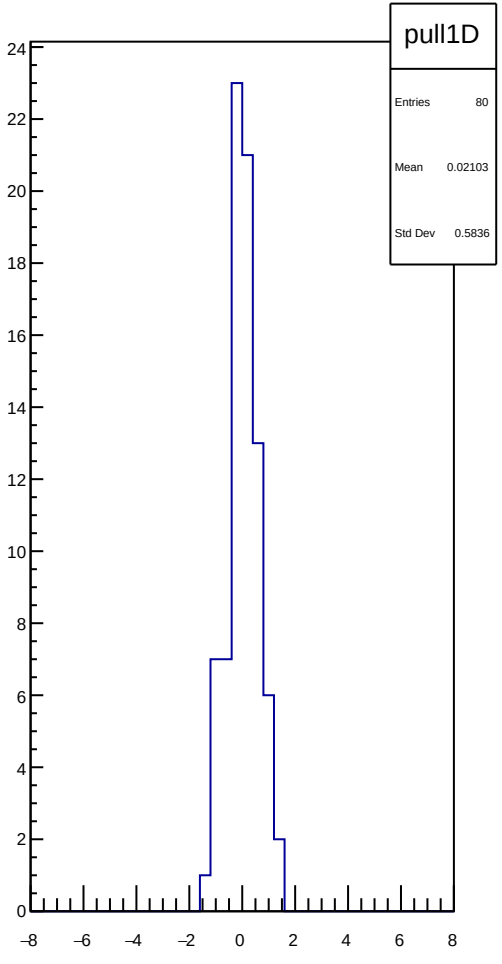

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1608 / 79
p0 30.43 ± 0.2099
pull
Entries 80
Mean −7734
Std Dev 7776

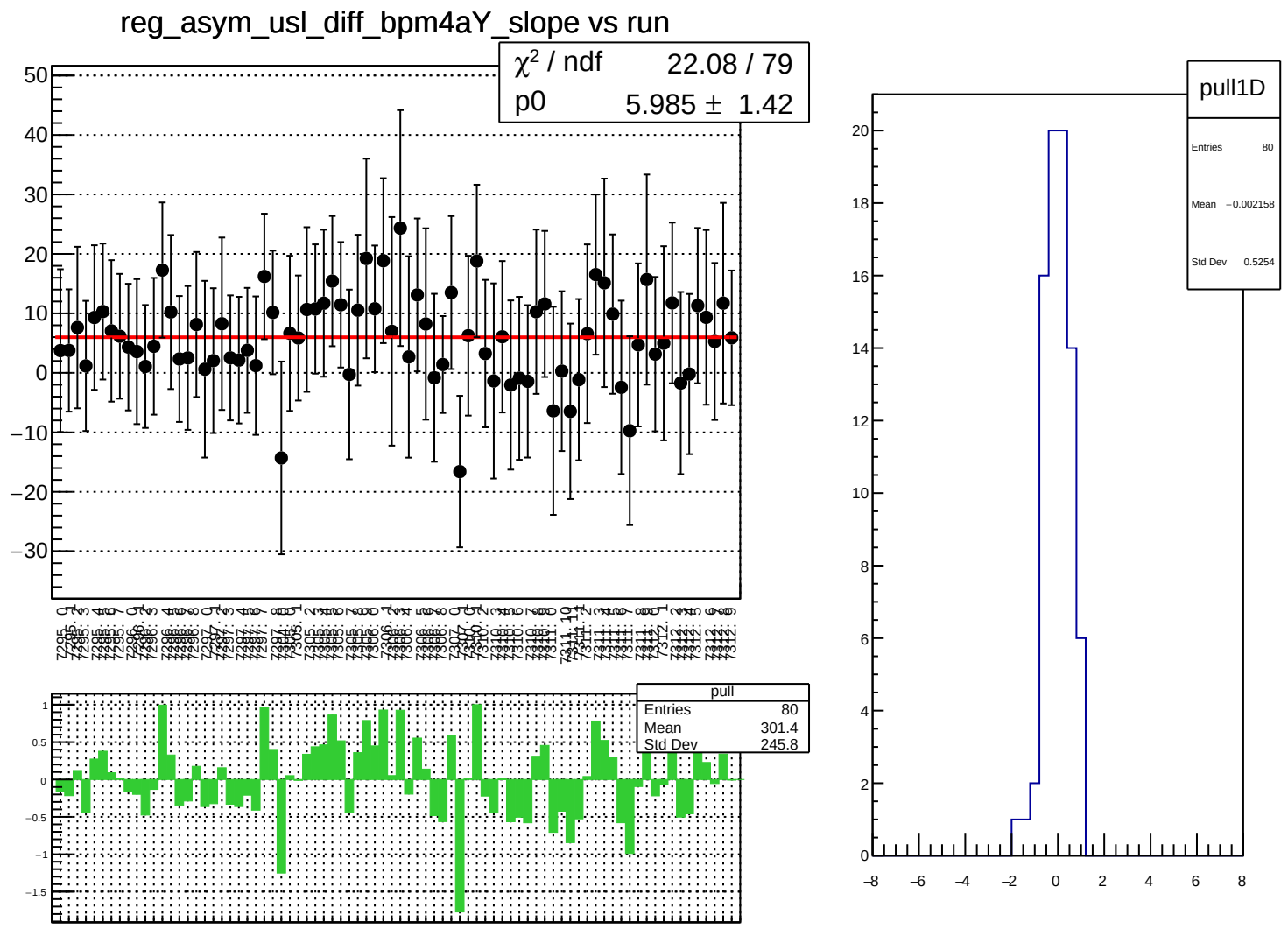

pull1D
Entries 80
Mean −0.2224
Std Dev 4.34

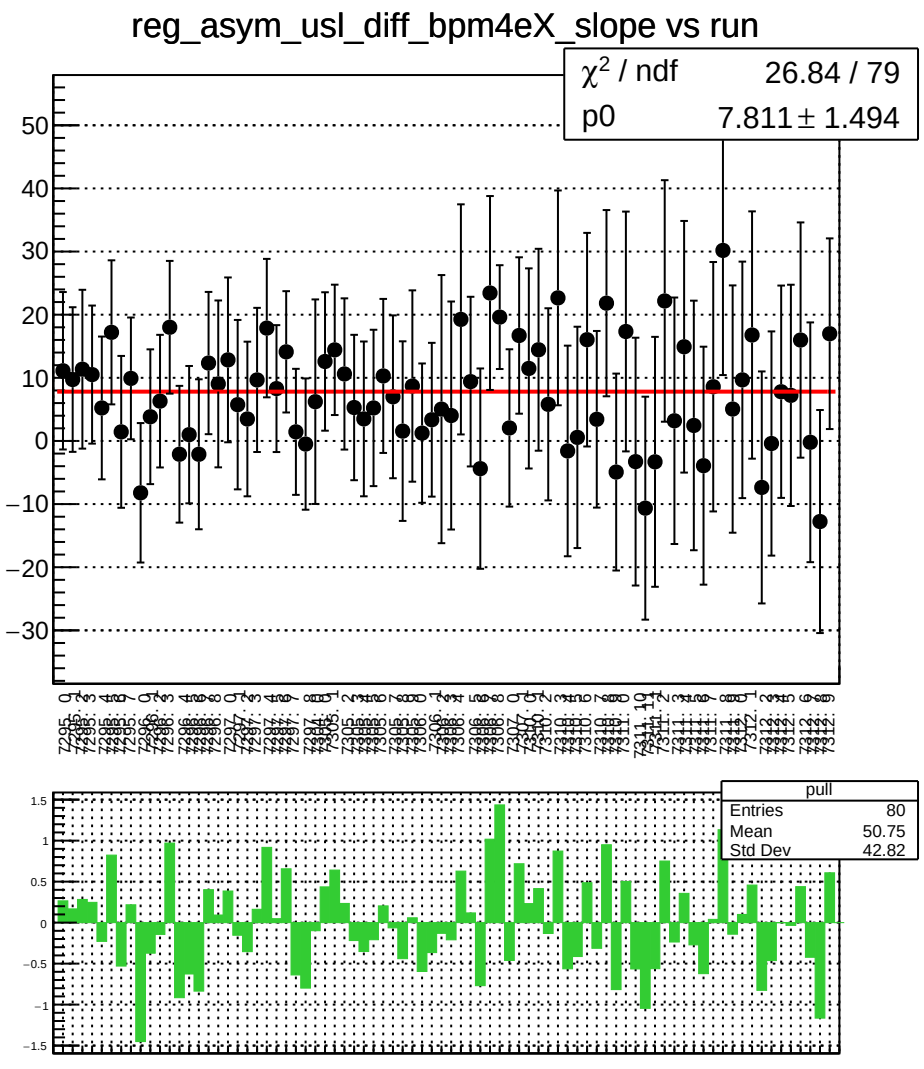

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 143.5 / 79
p0 0.1485 ± 0.008937
pull
Entries 80
Mean 13.25
Std Dev 17.48

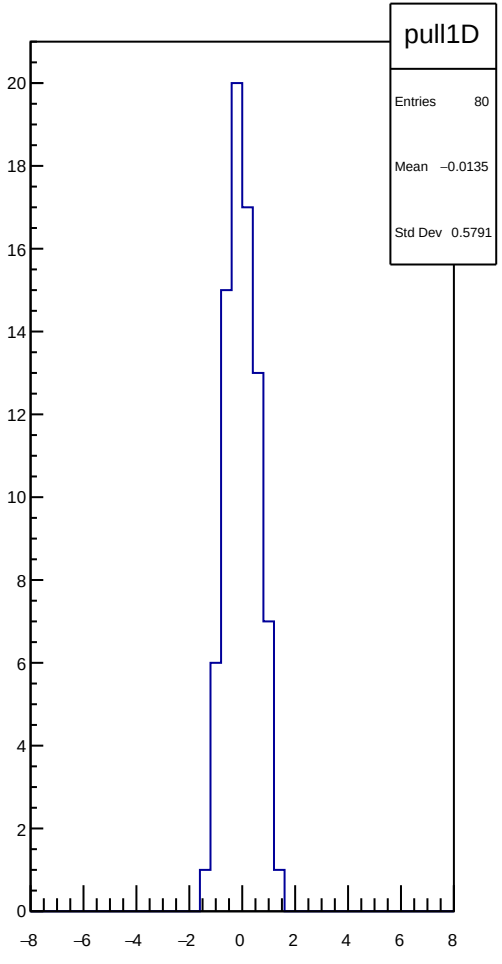

pull1D
Entries 80
Mean −0.2031
Std Dev 1.324

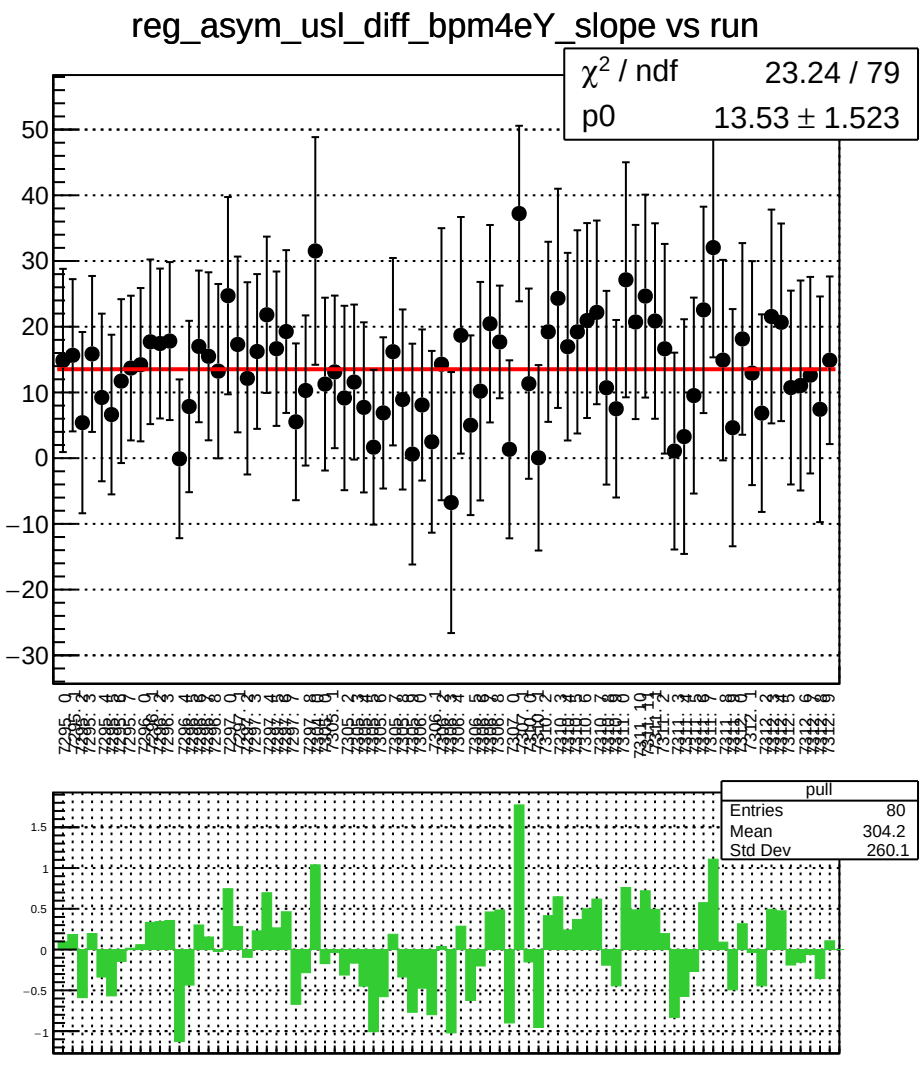

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 27.29 / 79
p0 −67.18 ± 1.509
pull
Entries 80
Mean 81.71
Std Dev 6.116

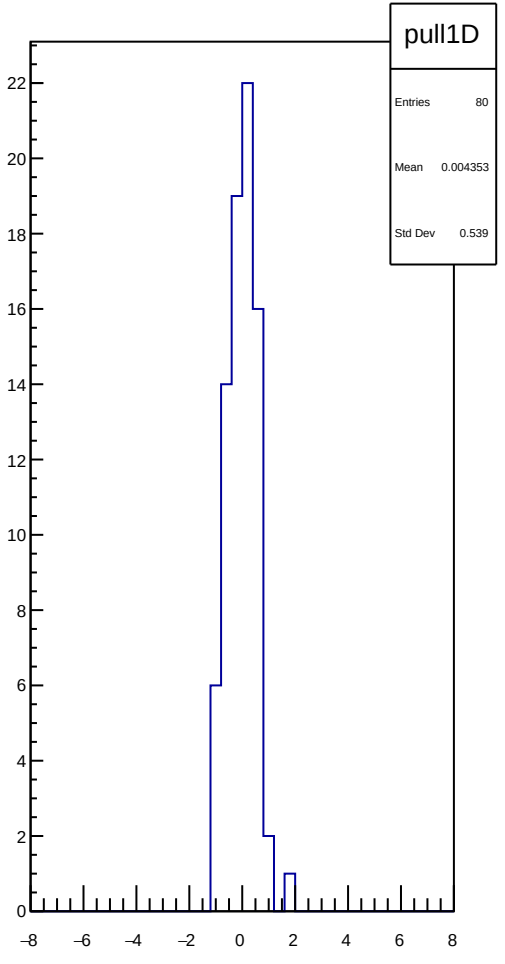

pull1D
Entries 80
Mean 0.02103
Std Dev 0.5836

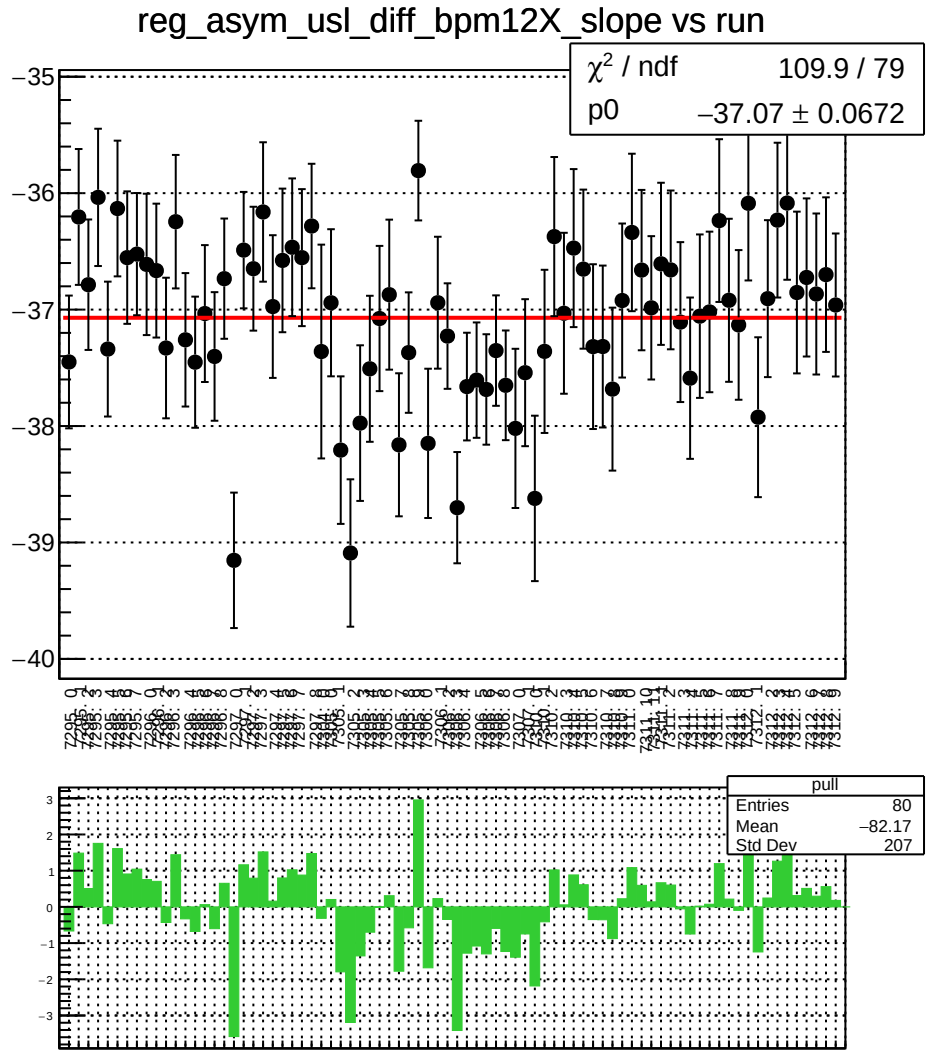

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.08 / 79
p0 5.985 ± 1.42
pull
Entries 80
Mean 301.4
Std Dev 245.8
pull1D
Entries 80
Mean −0.002158
Std Dev 0.5254

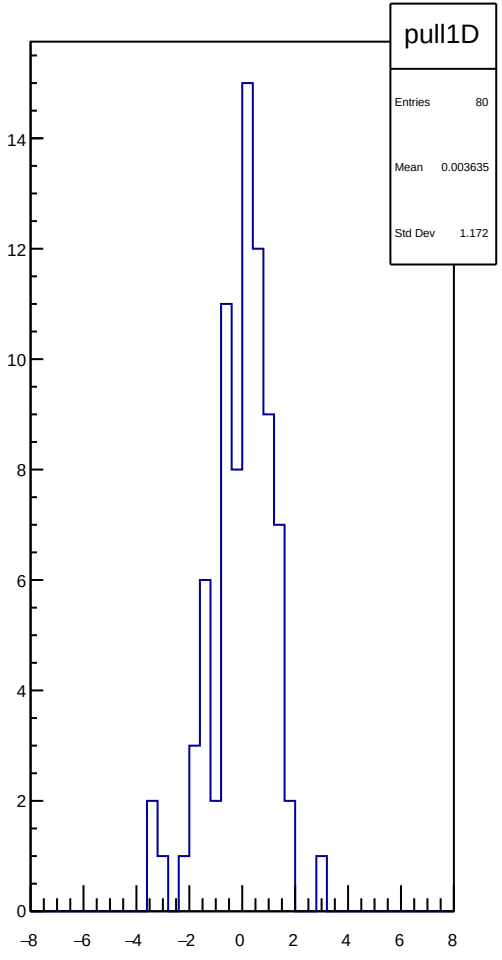

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.84 / 79
p0 7.811 ± 1.494
pull
Entries 80
Mean 50.75
Std Dev 42.82

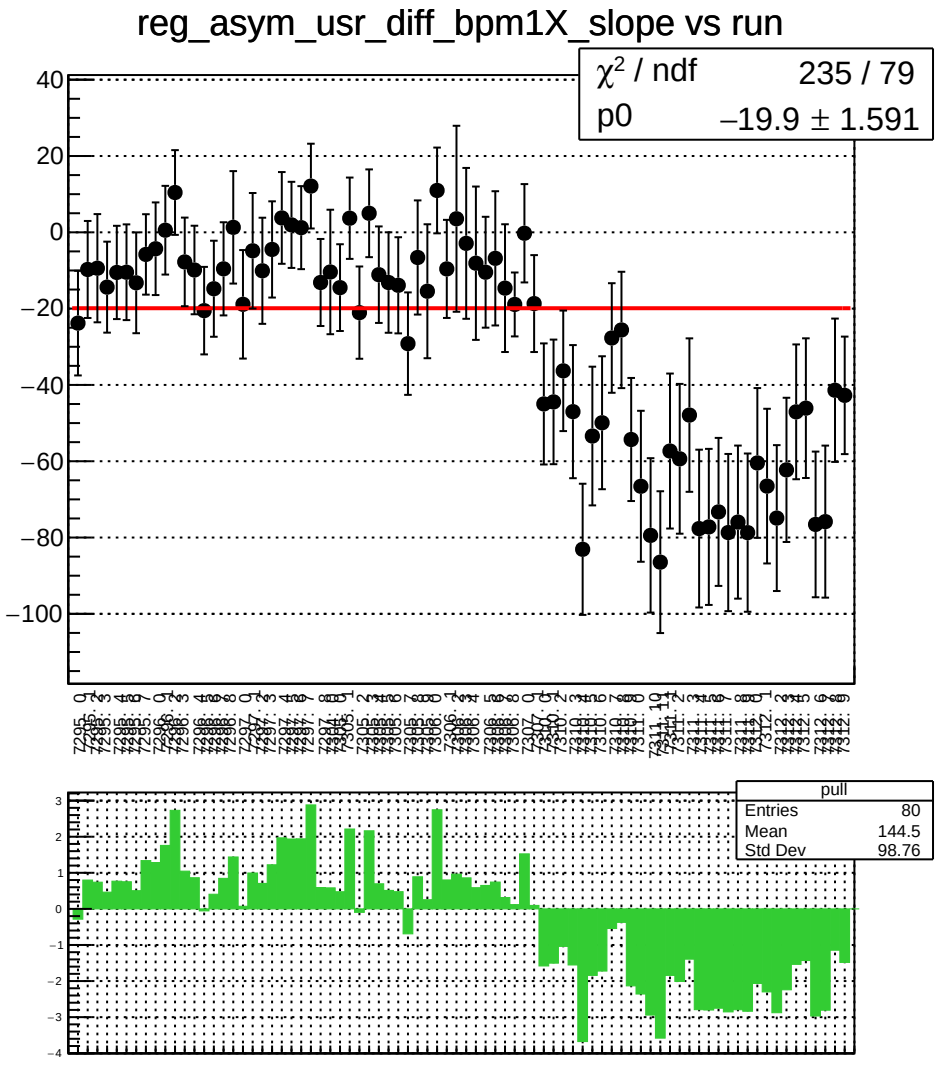

pull1D
Entries 80
Mean −0.0135
Std Dev 0.5791

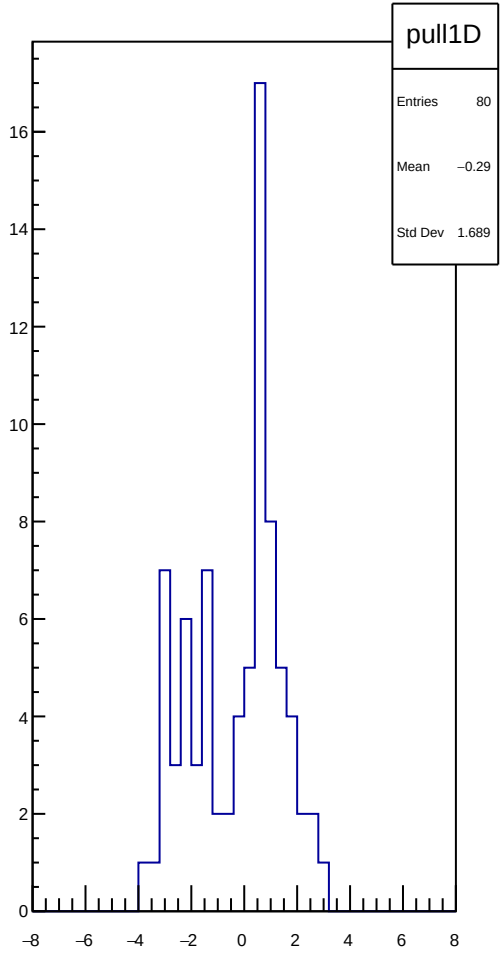

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 23.24 / 79
p0 13.53 ± 1.523
pull
Entries 80
Mean 304.2
Std Dev 260.1

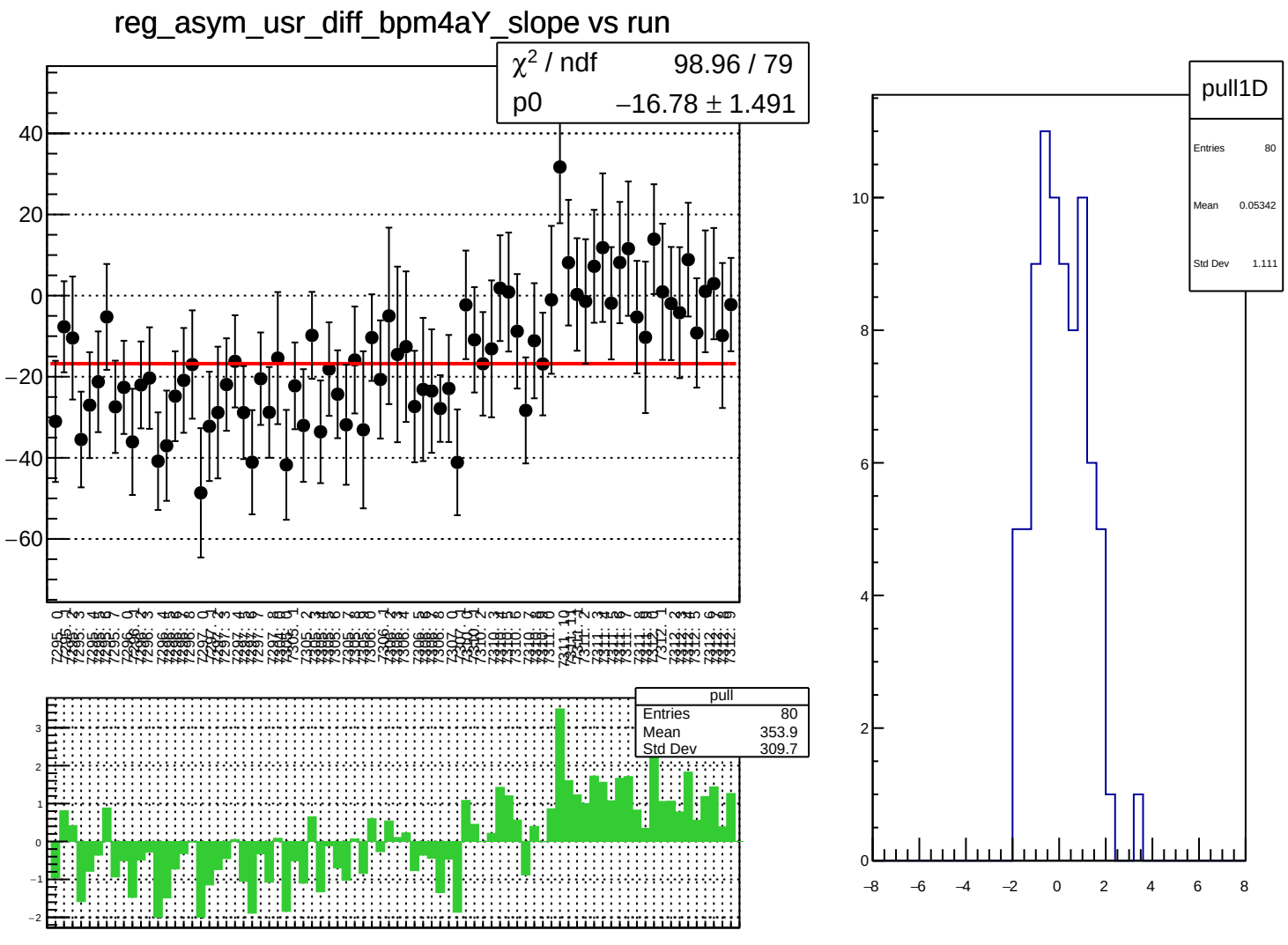

pull1D
Entries 80
Mean 0.004353
Std Dev 0.539

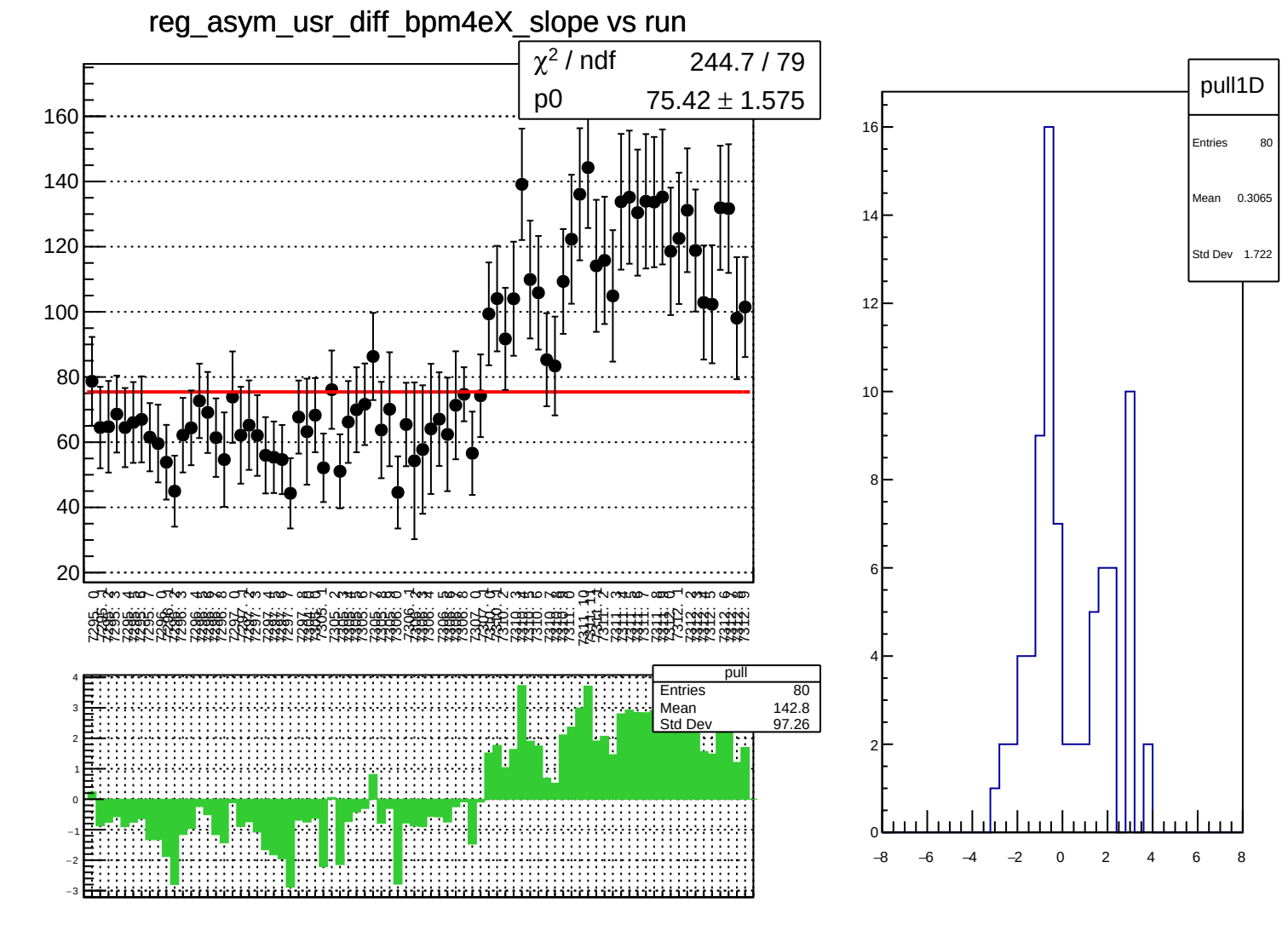

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 79
p0 −37.07 ± 0.0672
pull
Entries 80
Mean −82.17
Std Dev 207

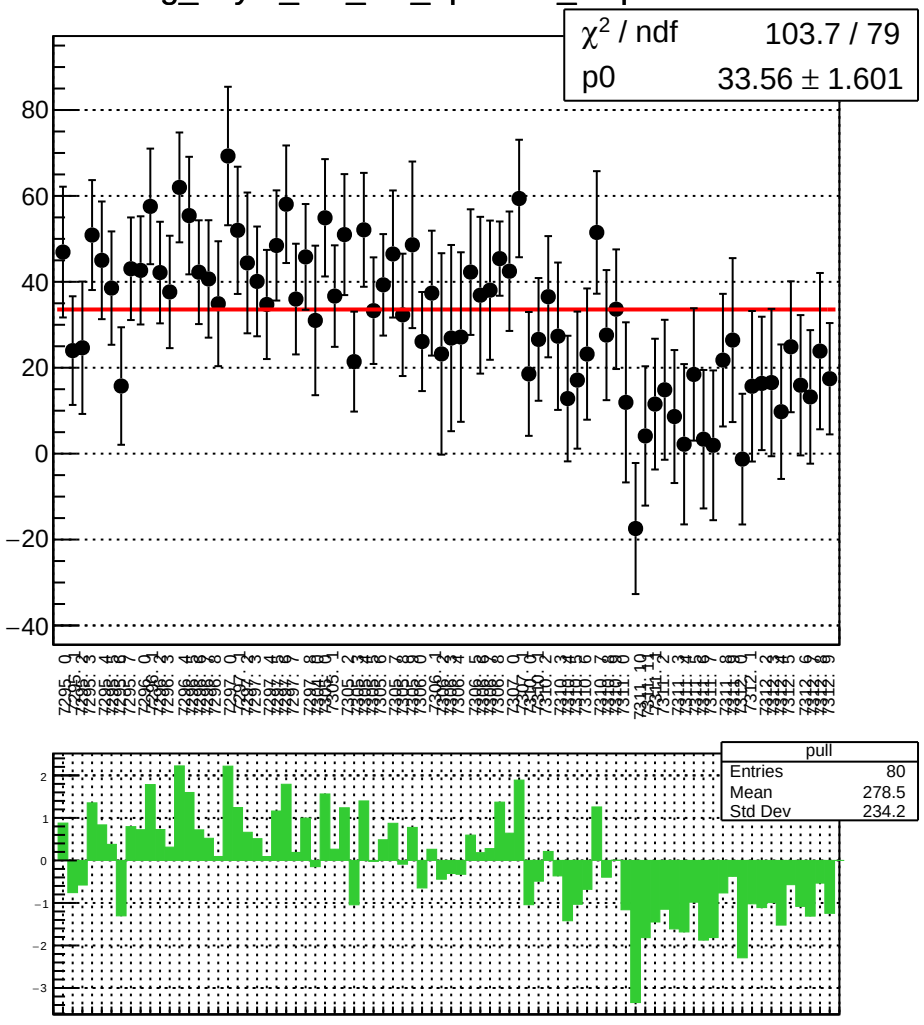

pull1D
Entries 80
Mean 0.003635
Std Dev 1.172

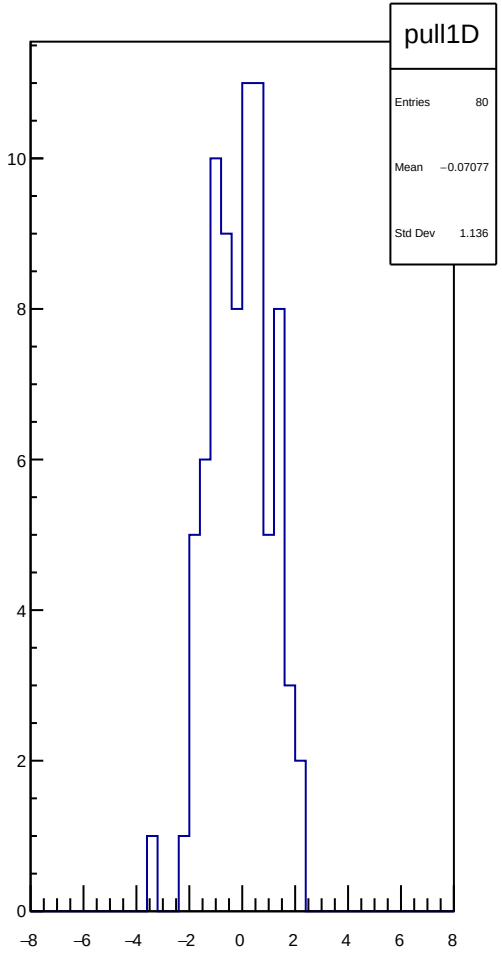

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 235 / 79
p0 −19.9 ± 1.591
pull
Entries 80
Mean 144.5
Std Dev 98.76

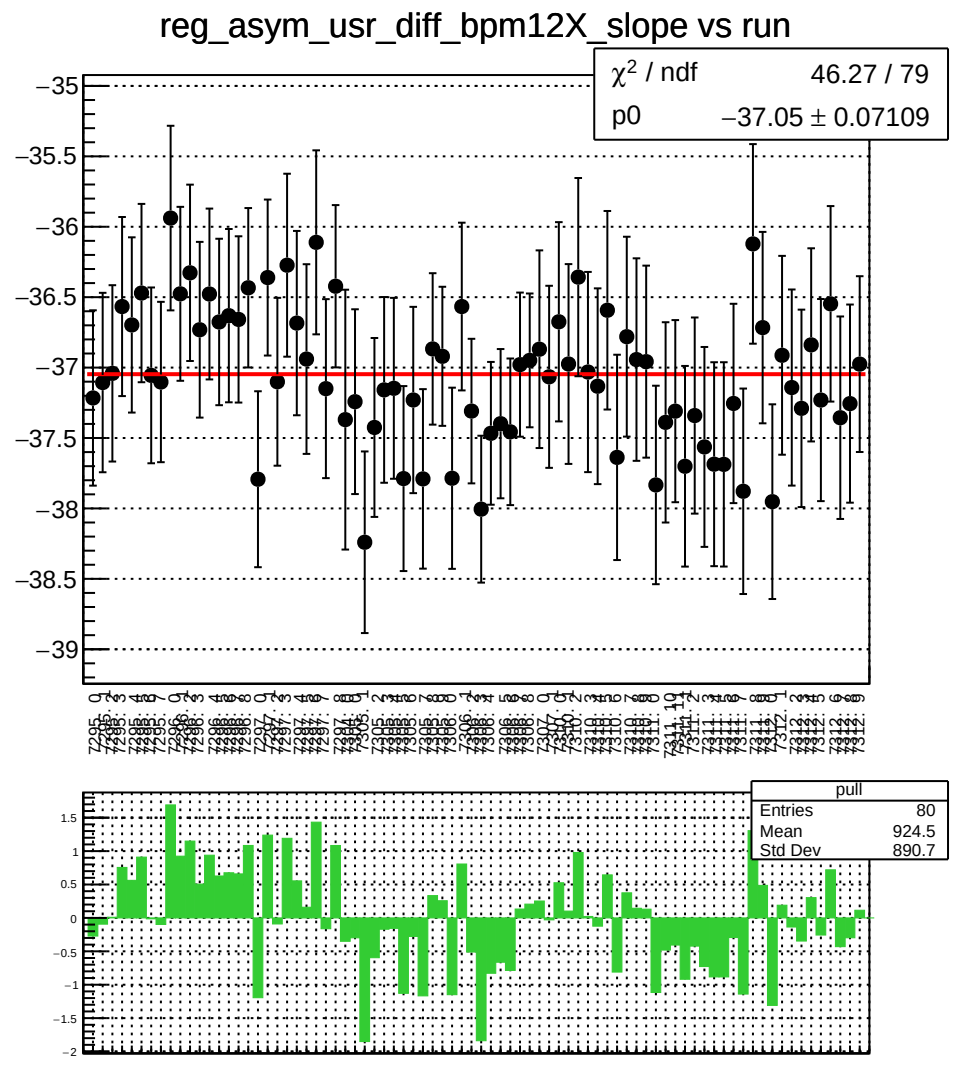

pull1D
Entries 80
Mean −0.29
Std Dev 1.689

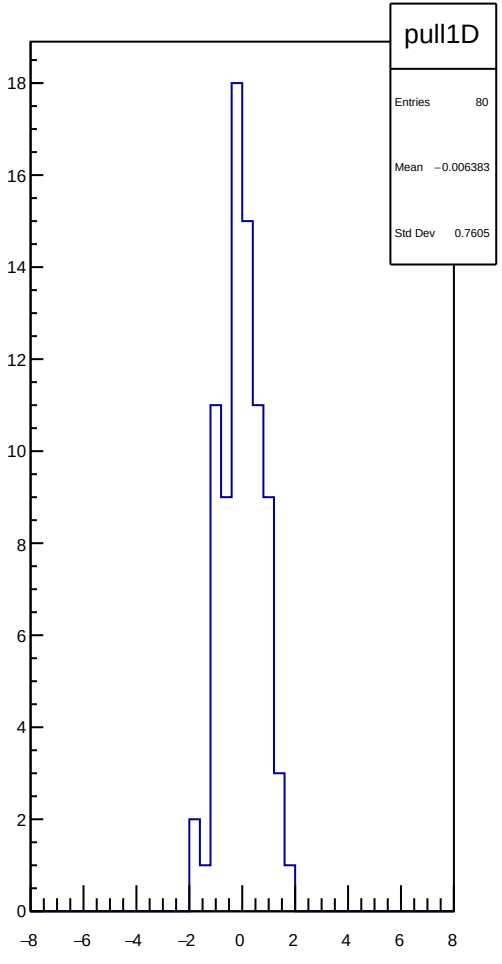

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 98.96 / 79
p0 −16.78 ± 1.491
pull
Entries 80
Mean 353.9
Std Dev 309.7
pull1D
Entries 80
Mean 0.05342
Std Dev 1.111

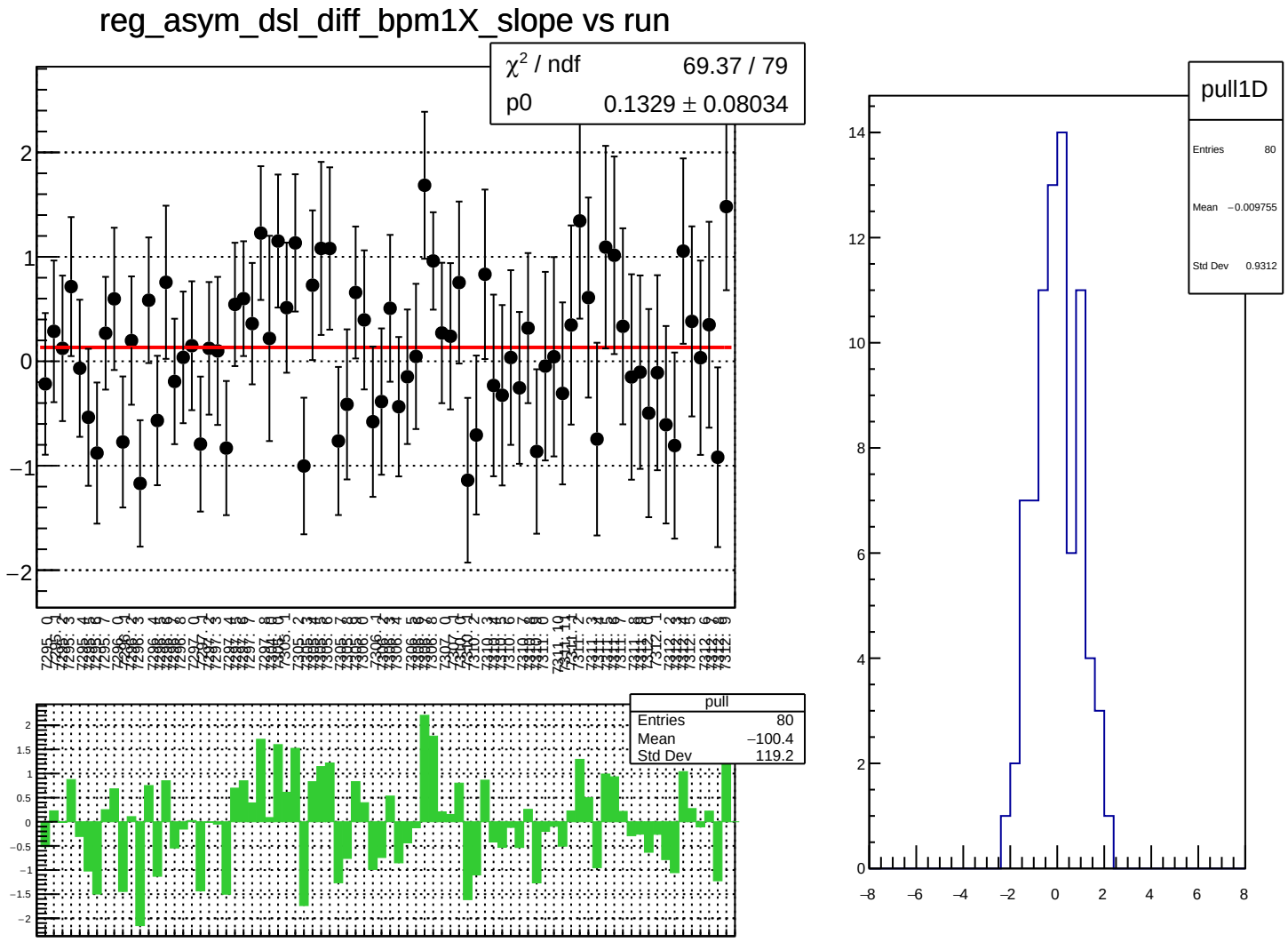

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 244.7 / 79
p0 75.42 ± 1.575
pull
Entries 80
Mean 142.8
Std Dev 97.26
pull1D
Entries 80
Mean 0.3065
Std Dev 1.722

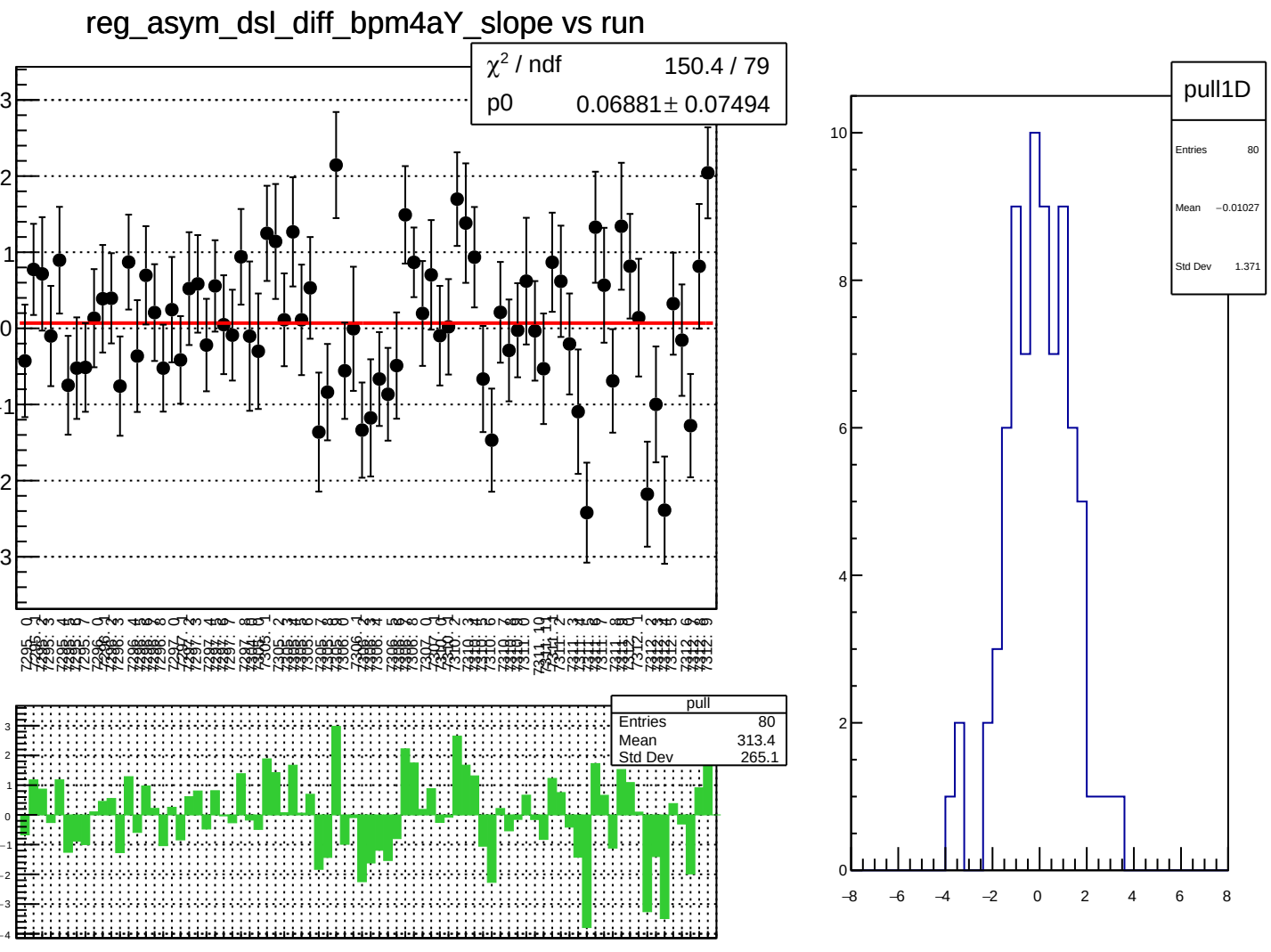

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 79
p0 33.56 ± 1.601
pull
Entries 80
Mean 278.5
Std Dev 234.2

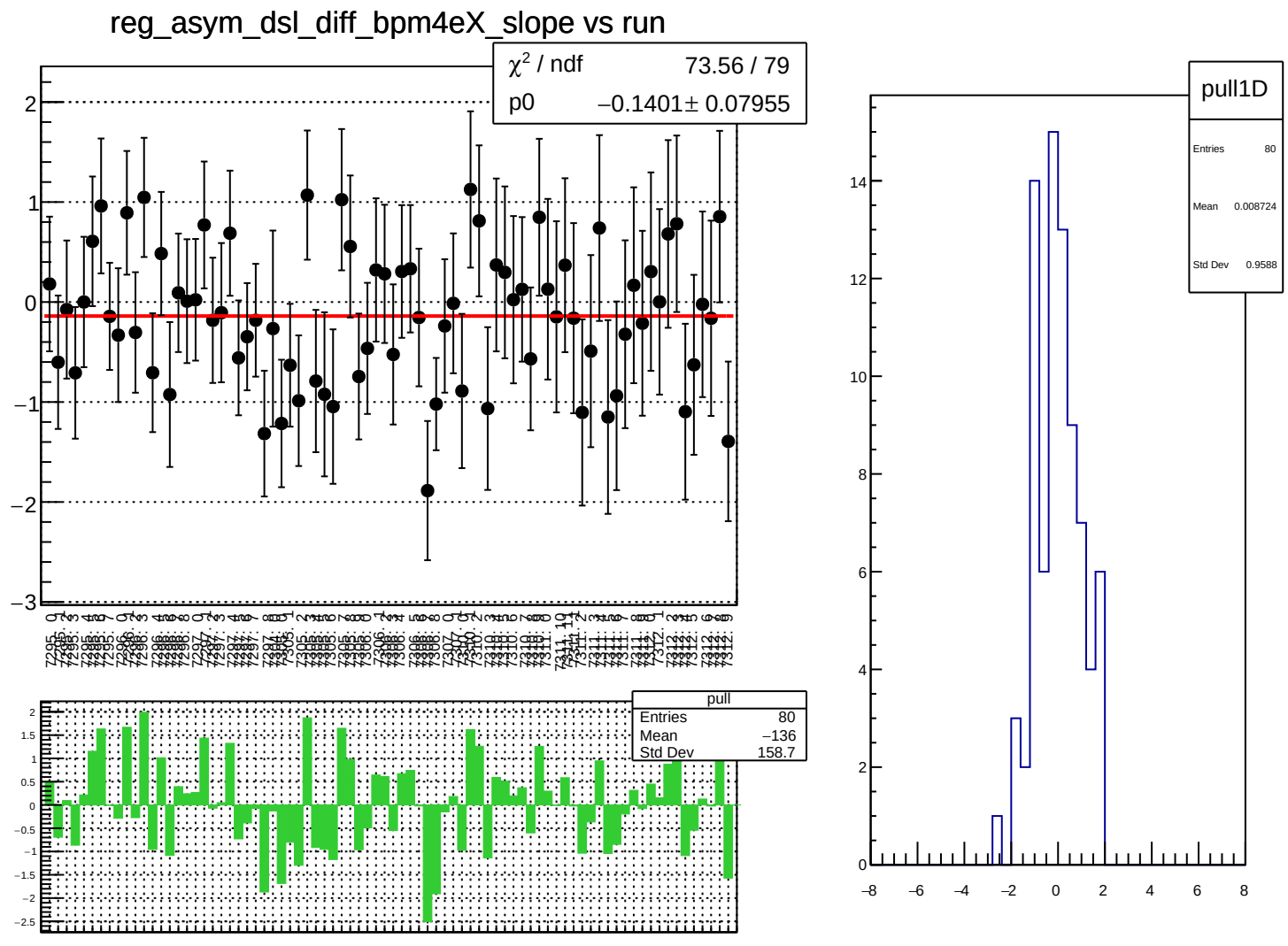

pull1D
Entries 80
Mean −0.07077
Std Dev 1.136

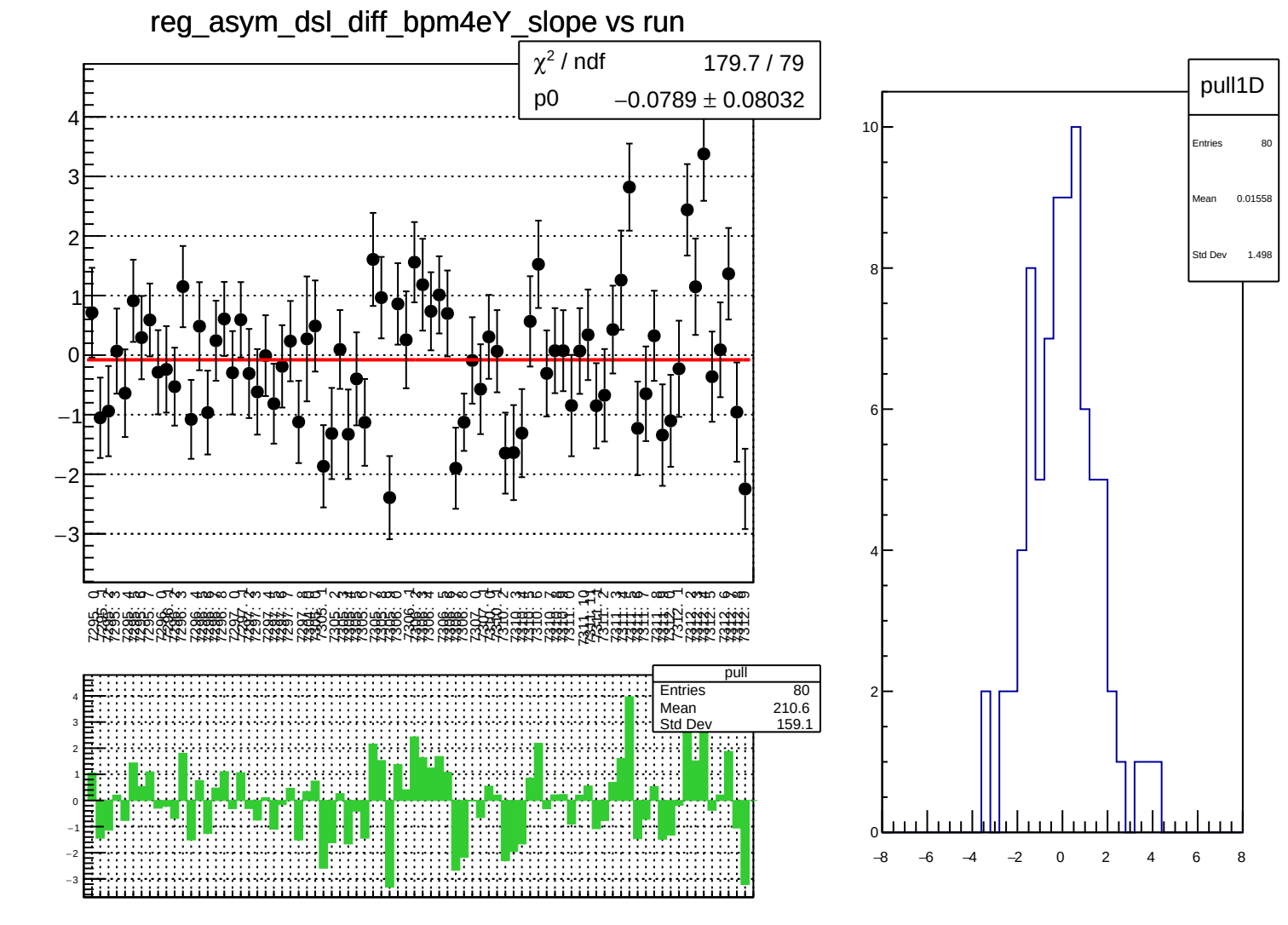

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.27 / 79
p0 −37.05 ± 0.07109
pull
Entries 80
Mean 924.5
Std Dev 890.7

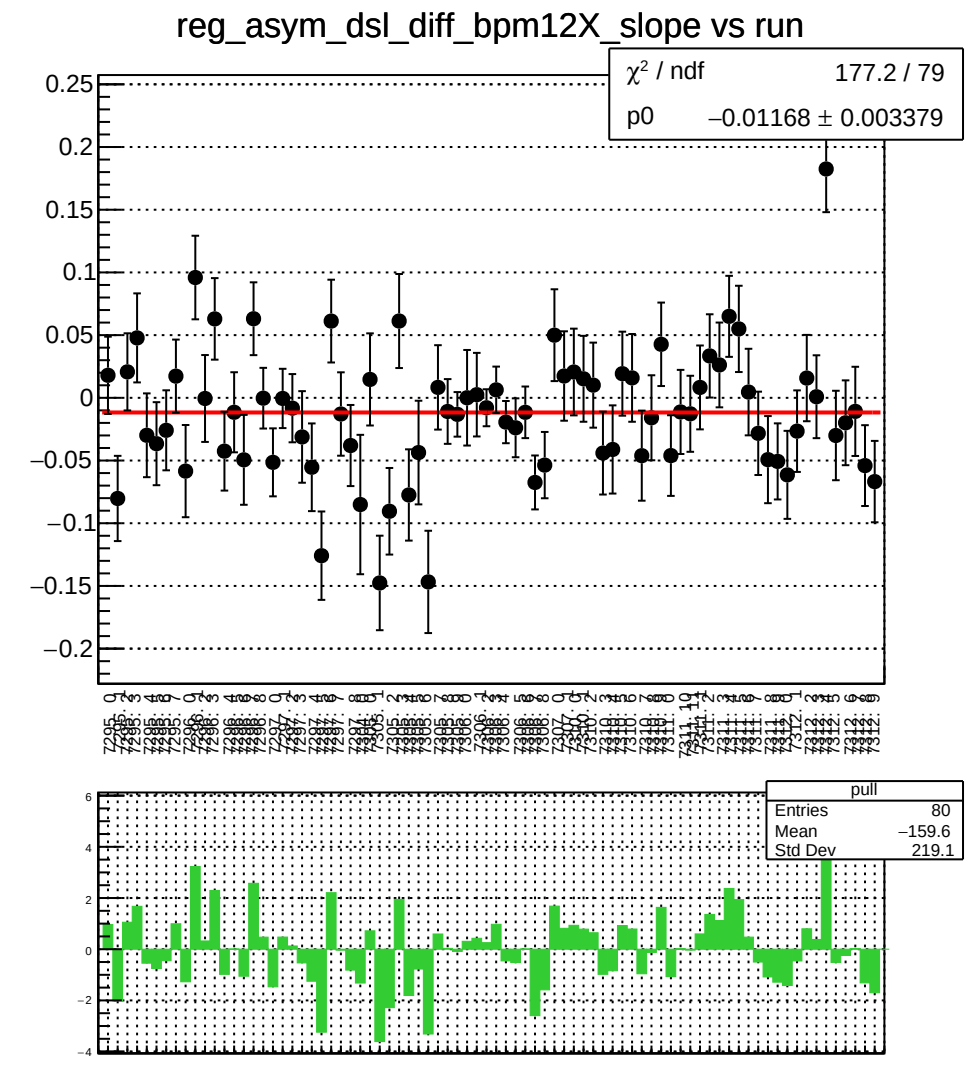

pull1D
Entries 80
Mean −0.006383
Std Dev 0.7605

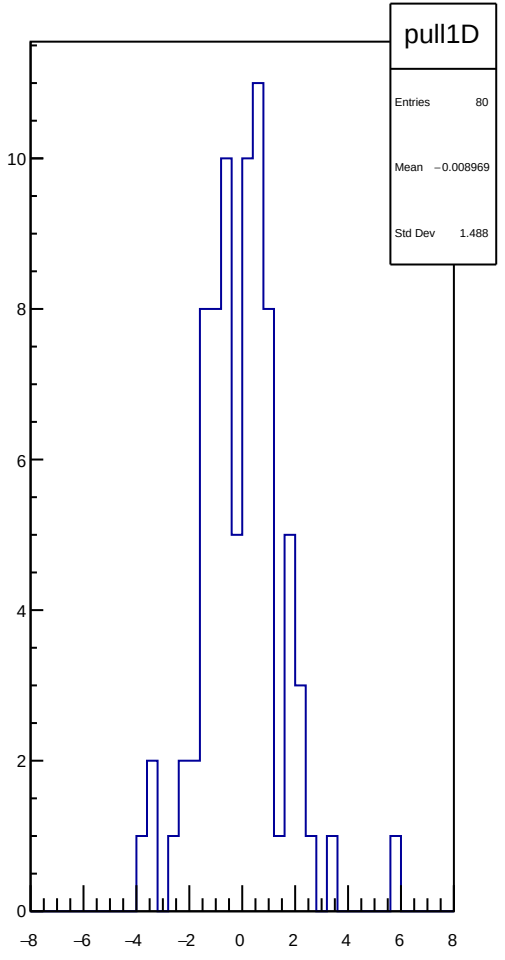

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 69.37 / 79
p0 0.1329 ± 0.08034
pull
Entries 80
Mean −100.4
Std Dev 119.2
pull1D
Entries 80
Mean −0.009755
Std Dev 0.9312

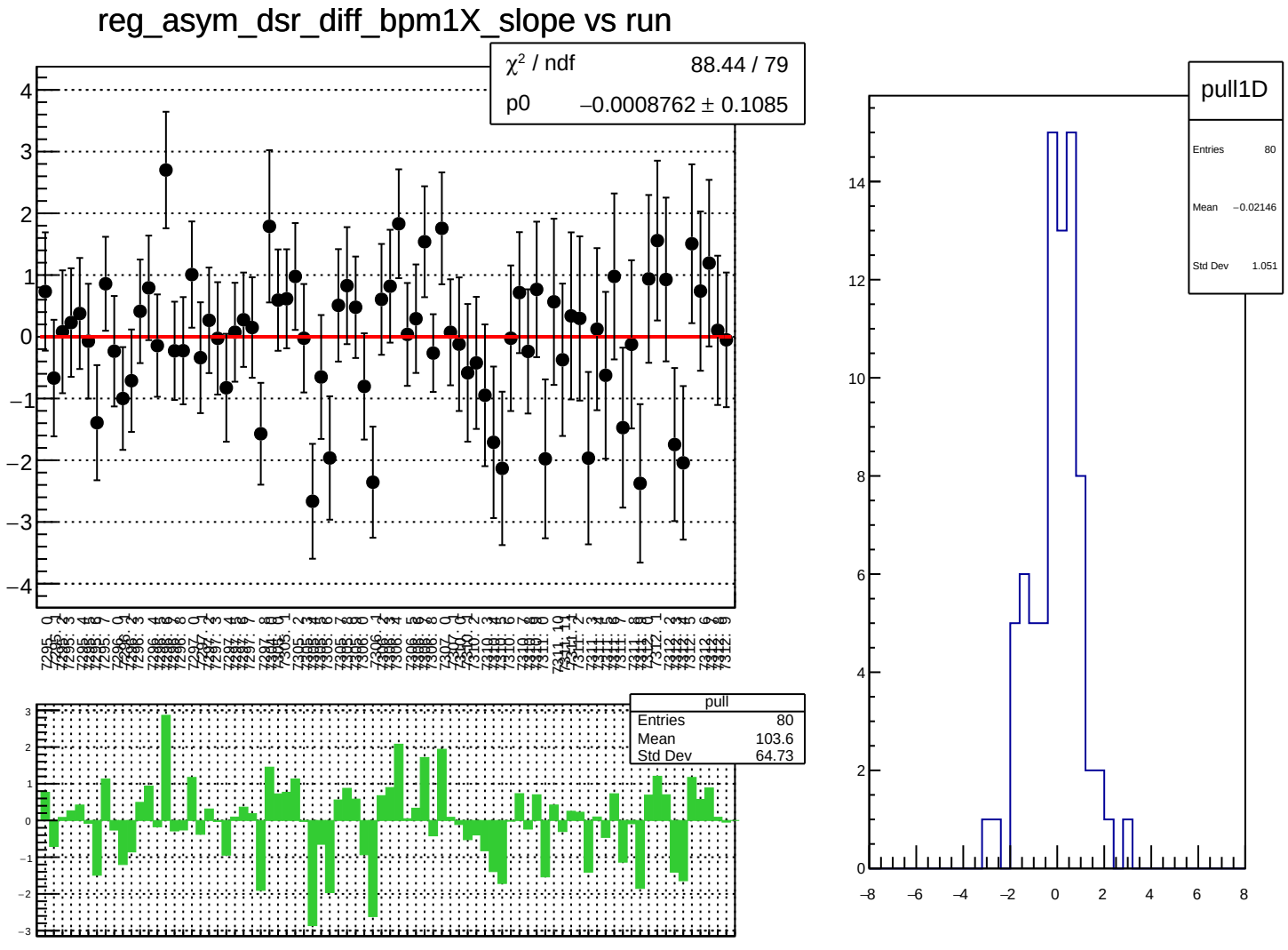

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 150.4 / 79
p0 0.06881 ± 0.07494
pull
Entries 80
Mean 313.4
Std Dev 265.1
pull1D
Entries 80
Mean −0.01027
Std Dev 1.371

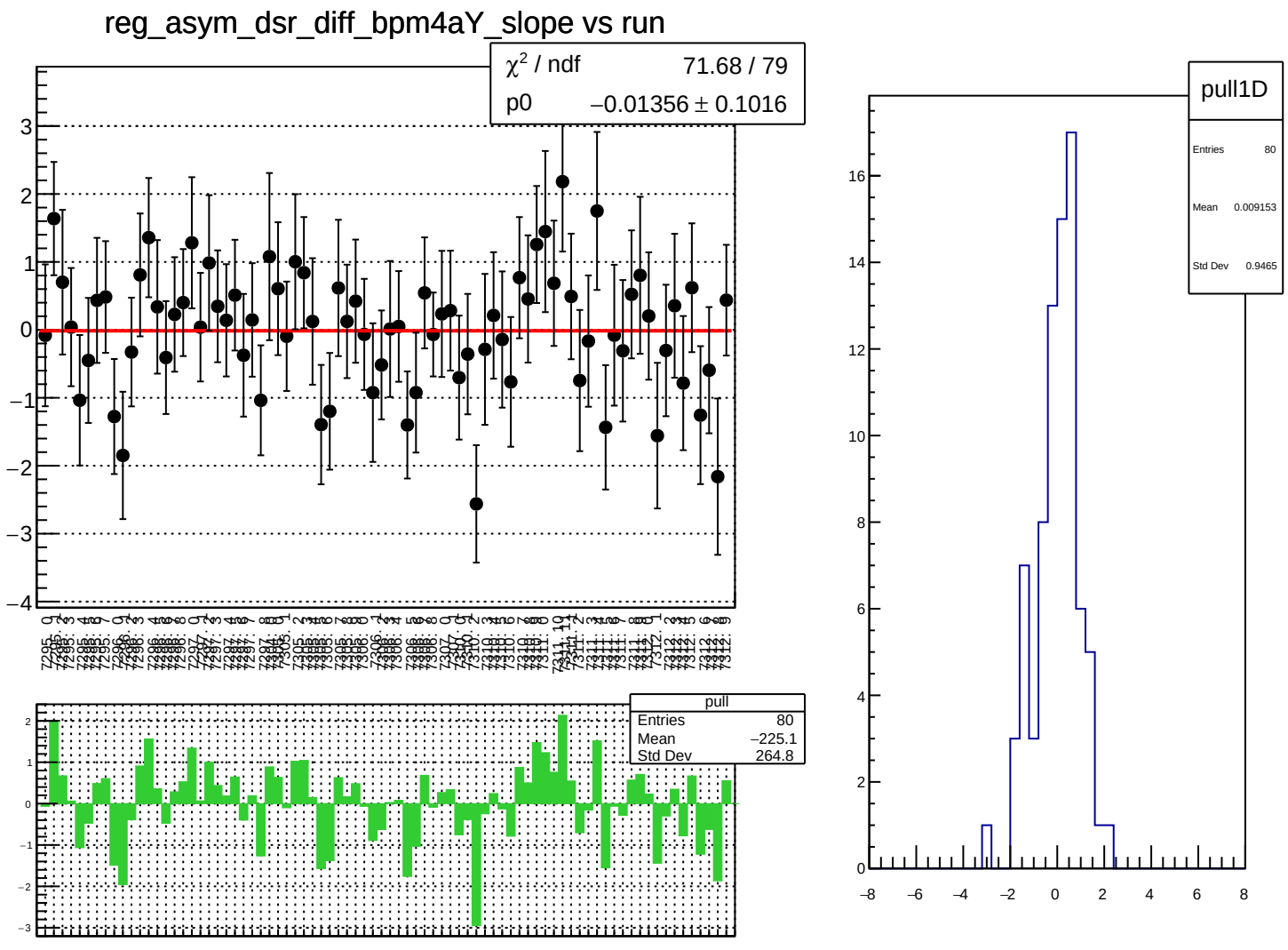

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 73.56 / 79
p0 −0.1401± 0.07955
pull
Entries 80
Mean −136
Std Dev 158.7
pull1D
Entries 80
Mean 0.008724
Std Dev 0.9588

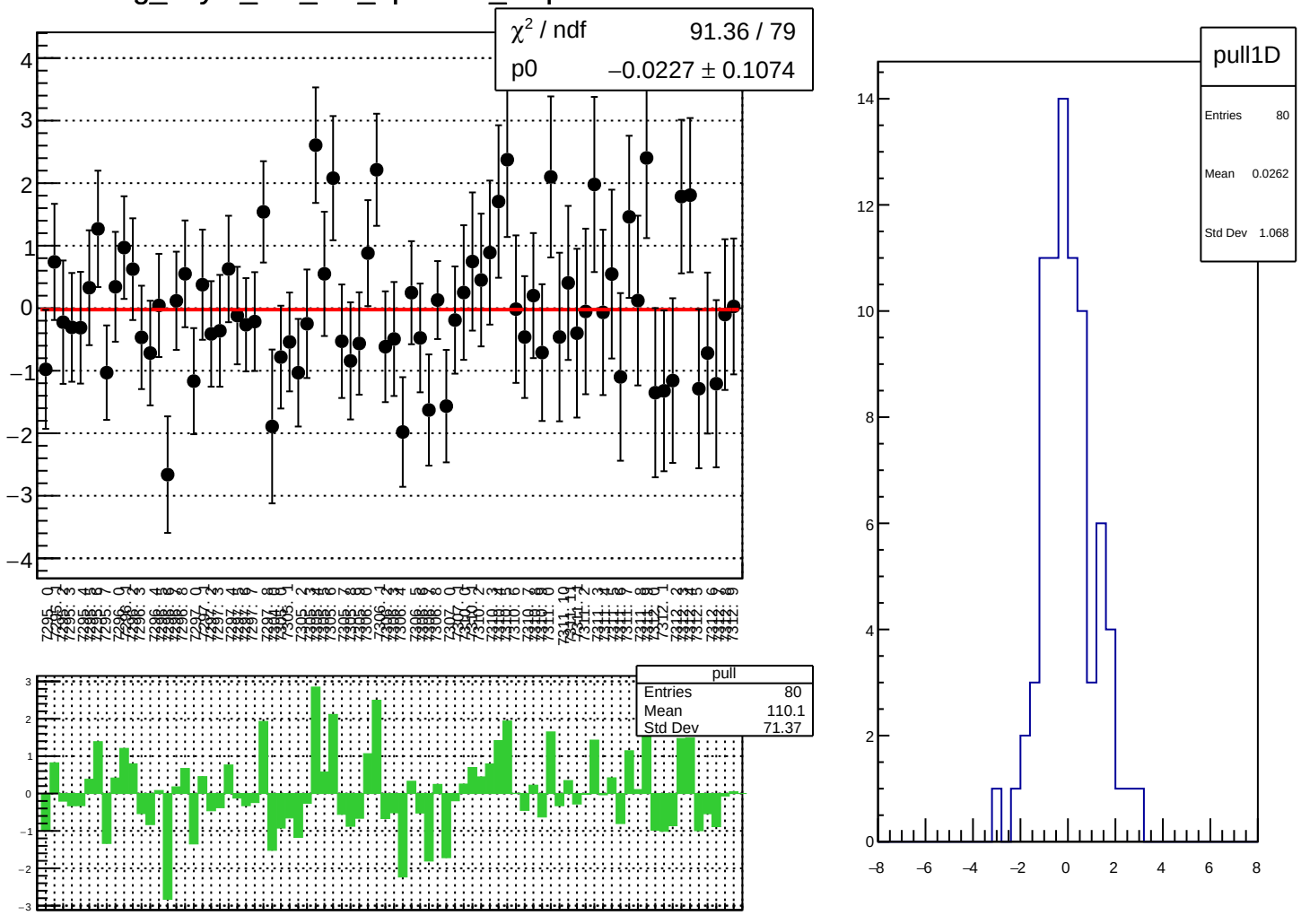

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 179.7 / 79
p0 −0.0789 ± 0.08032
pull
Entries 80
Mean 210.6
Std Dev 159.1
pull1D
Entries 80
Mean 0.01558
Std Dev 1.498

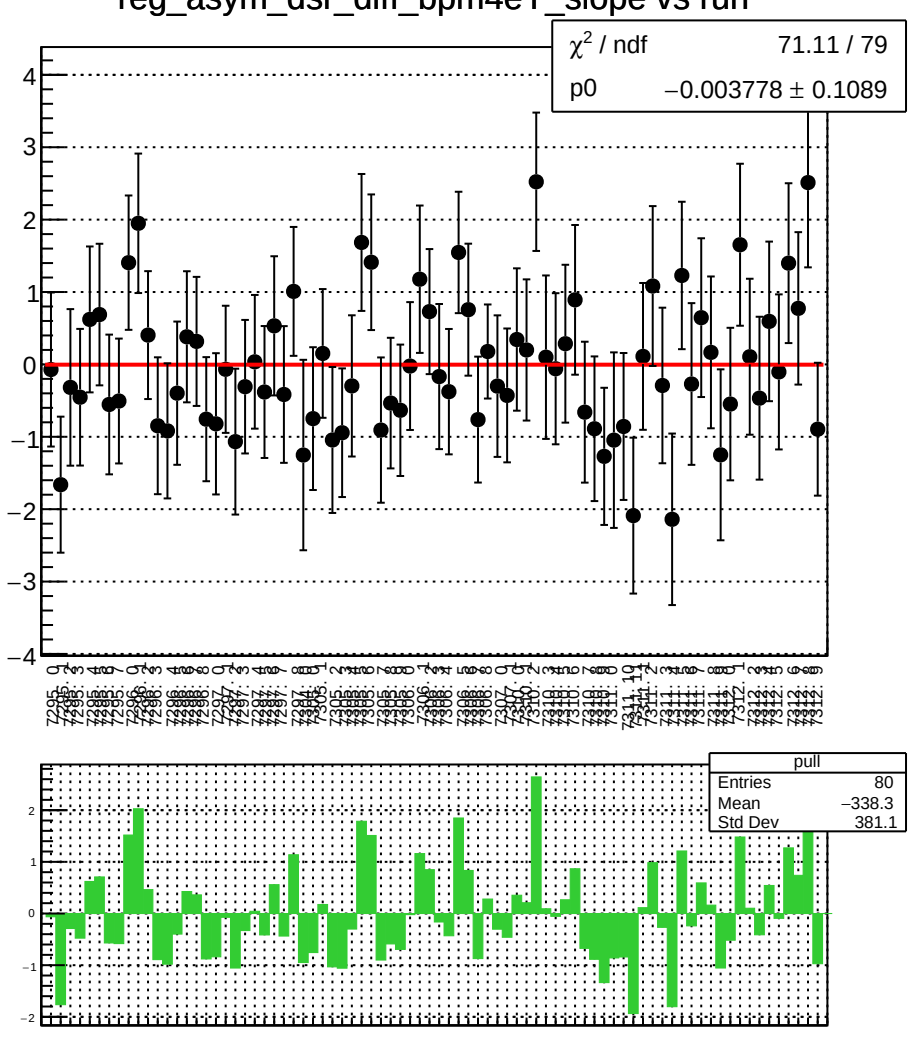

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 177.2 / 79
p0 −0.01168 ± 0.003379
pull
Entries 80
Mean −159.6
Std Dev 219.1

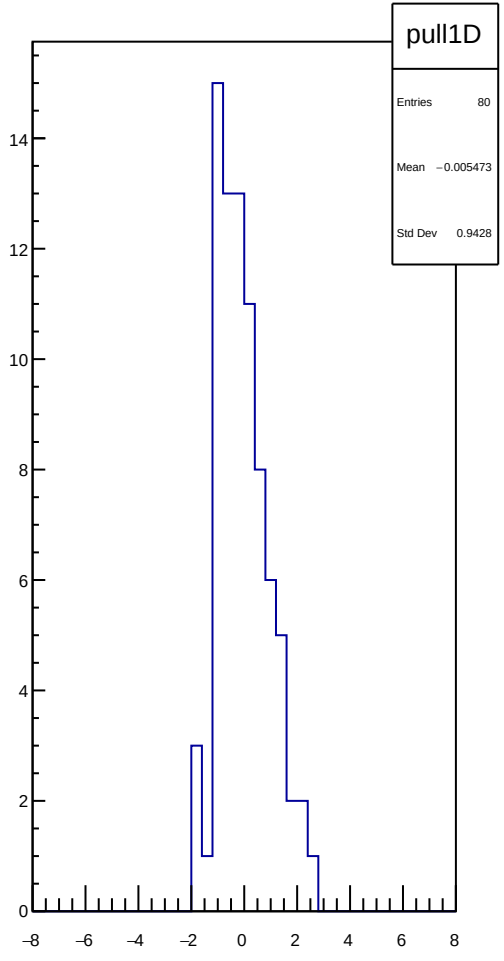

pull1D
Entries 80
Mean −0.008969
Std Dev 1.488

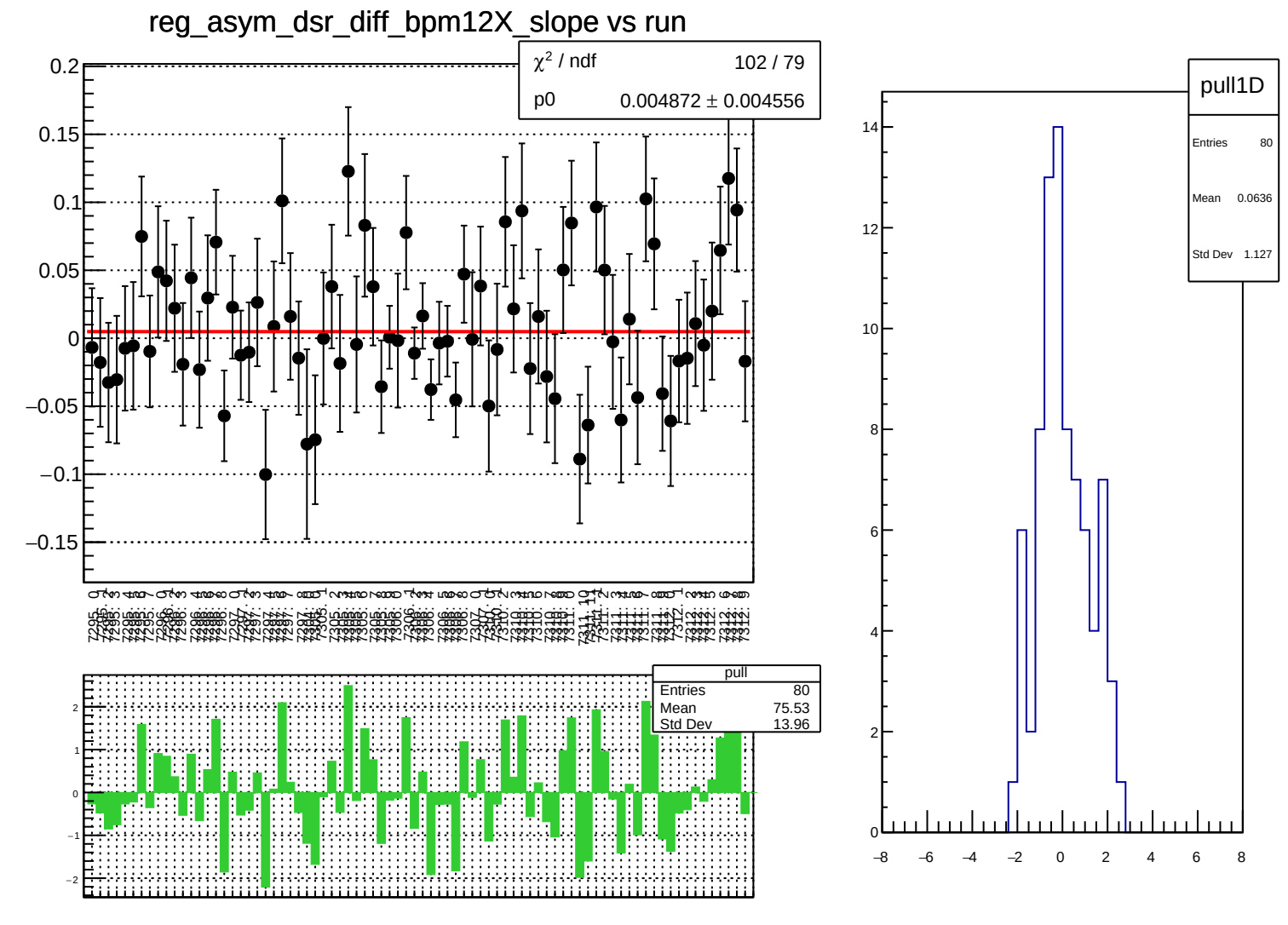

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 88.44 / 79
p0 −0.0008762 ± 0.1085
pull
Entries 80
Mean 103.6
Std Dev 64.73
pull1D
Entries 80
Mean −0.02146
Std Dev 1.051

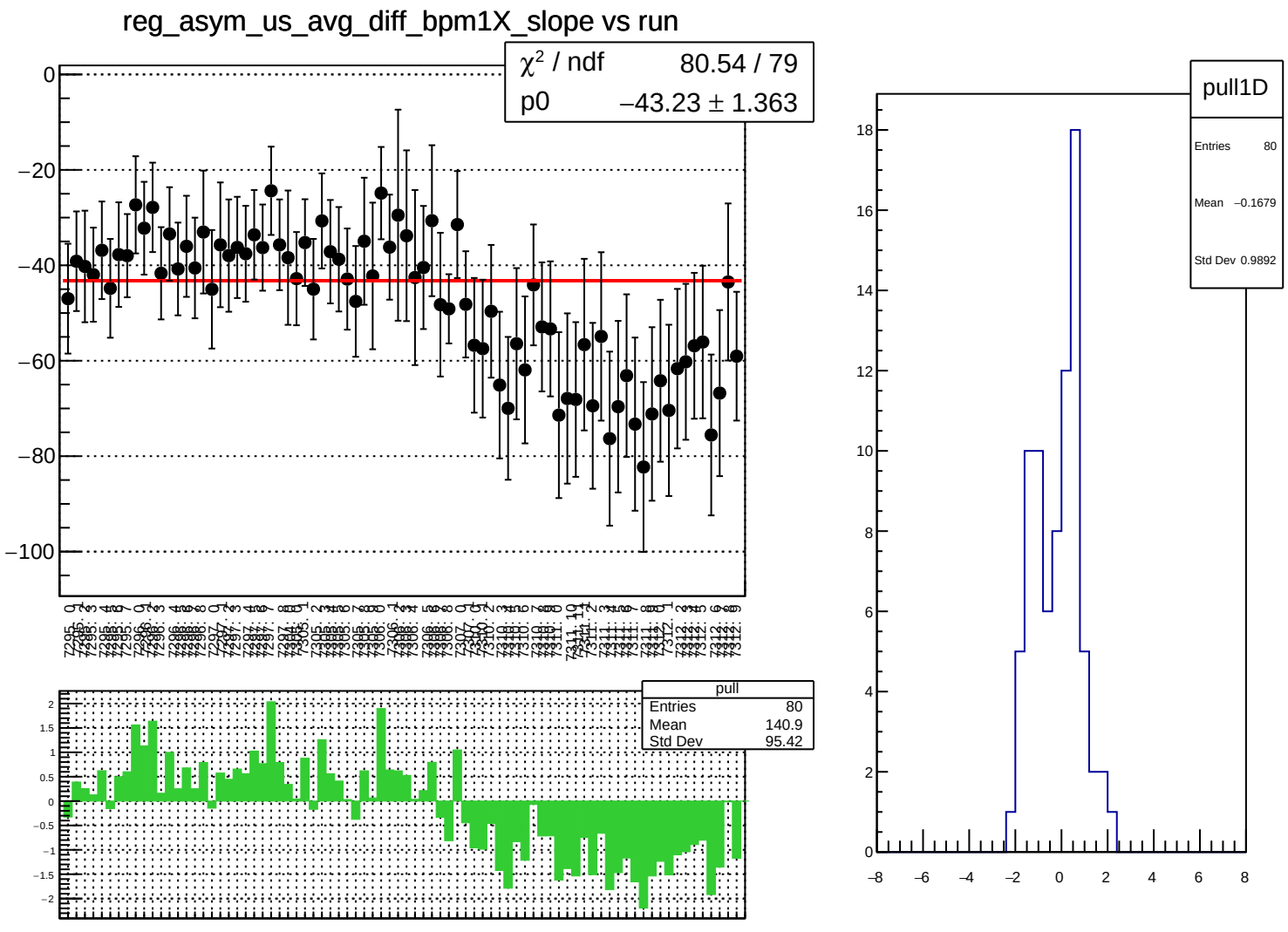

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 71.68 / 79
p0 −0.01356 ± 0.1016
pull
Entries 80
Mean −225.1
Std Dev 264.8
pull1D
Entries 80
Mean 0.009153
Std Dev 0.9465

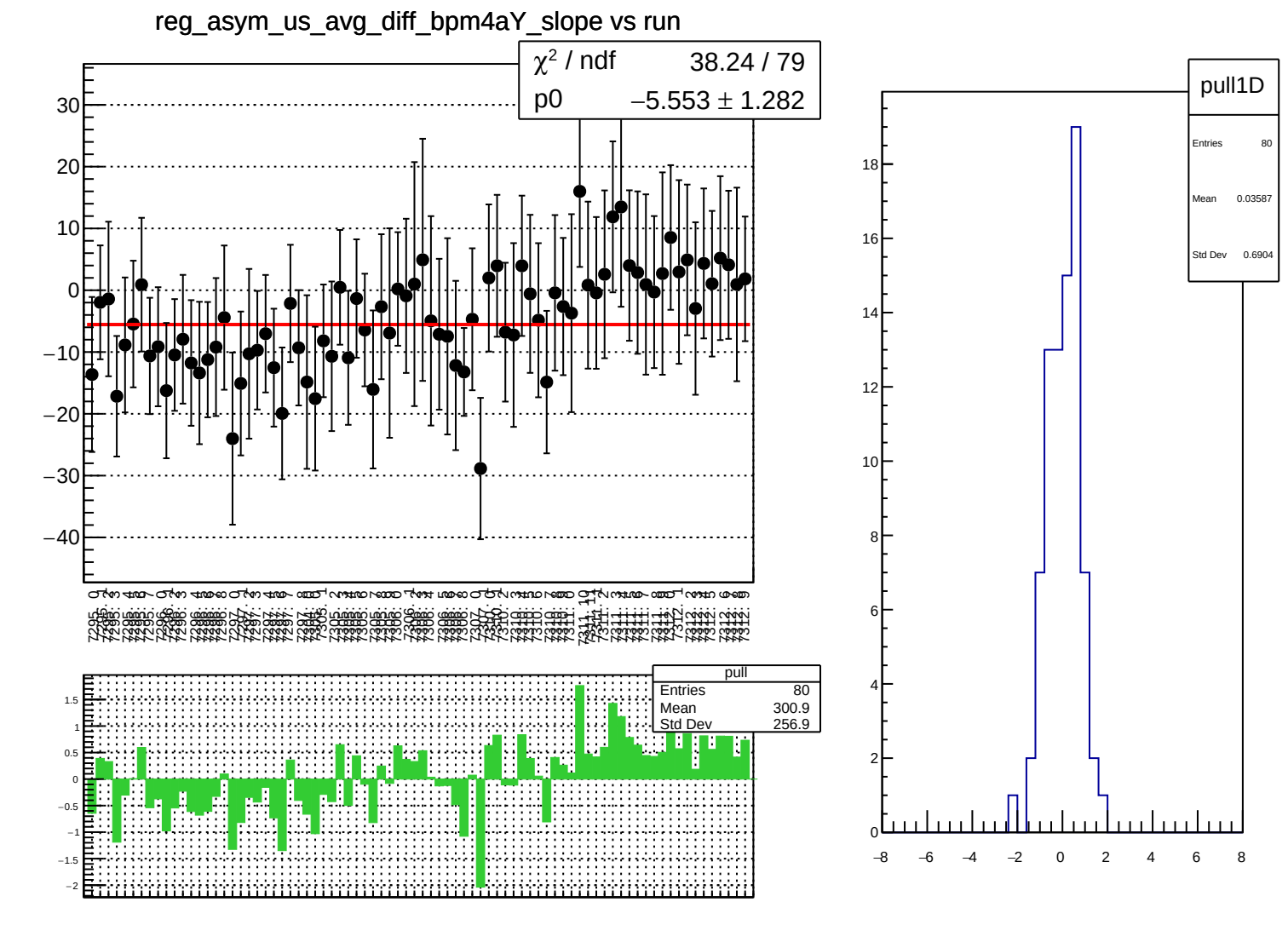

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 91.36 / 79
p0 −0.0227 ± 0.1074
pull
Entries 80
Mean 110.1
Std Dev 71.37
pull1D
Entries 80
Mean 0.0262
Std Dev 1.068

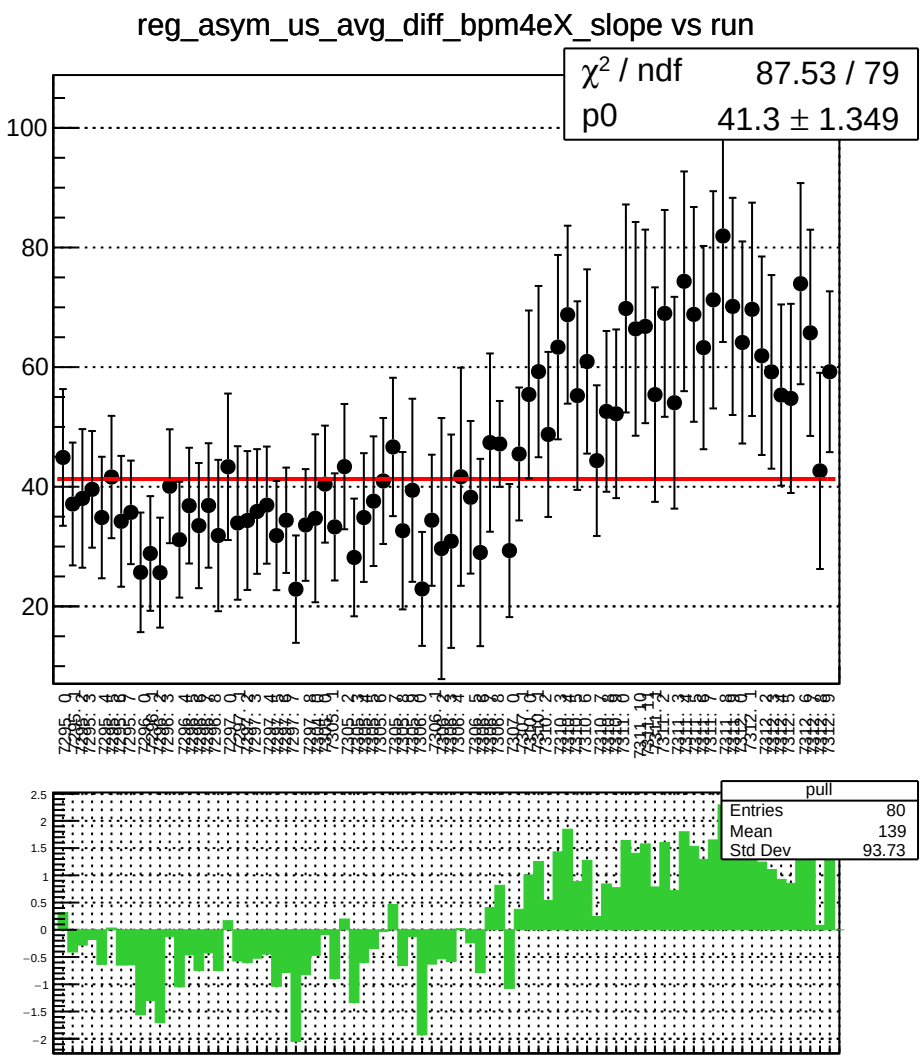

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 71.11 / 79
p0 −0.003778 ± 0.1089
pull
Entries 80
Mean −338.3
Std Dev 381.1

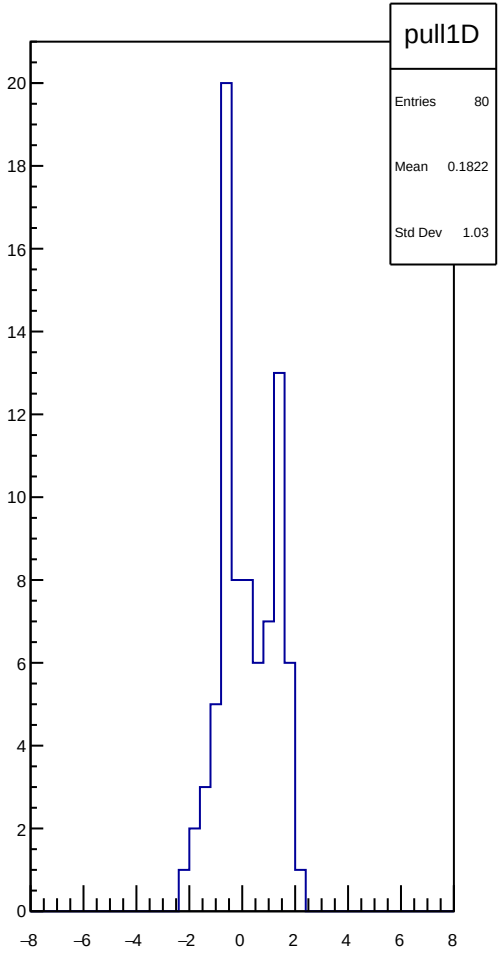

pull1D
Entries 80
Mean −0.005473
Std Dev 0.9428

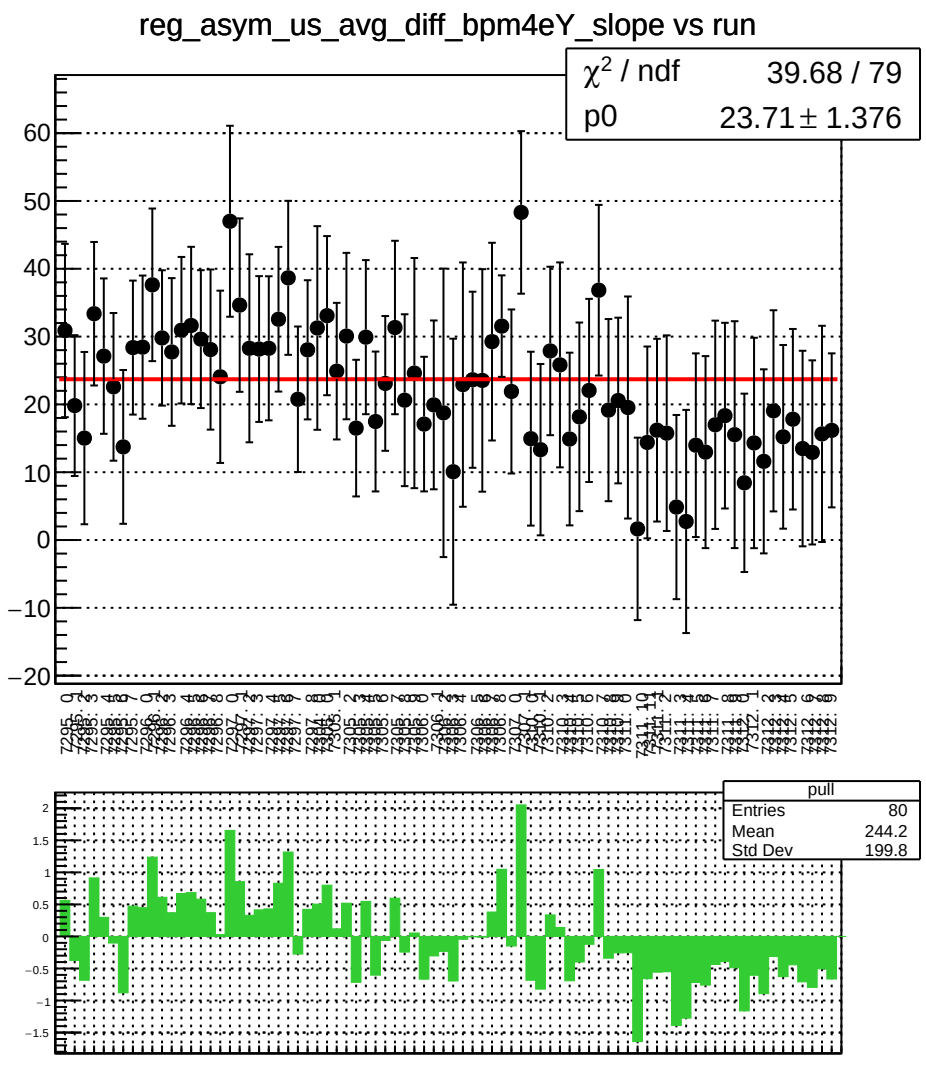

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 102 / 79
p0 0.004872 ± 0.004556
pull
Entries 80
Mean 75.53
Std Dev 13.96
pull1D
Entries 80
Mean 0.0636
Std Dev 1.127

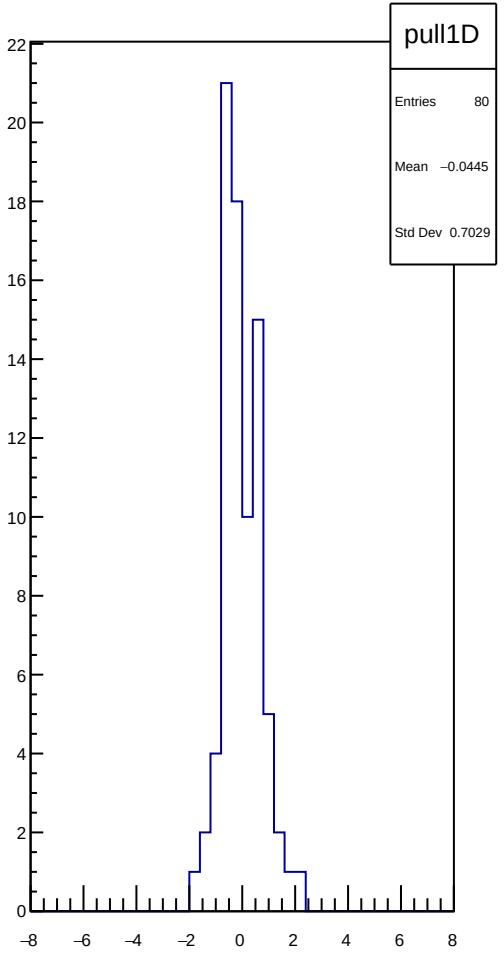

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 80.54 / 79
p0 −43.23 ± 1.363
pull
Entries 80
Mean 140.9
Std Dev 95.42
pull1D
Entries 80
Mean −0.1679
Std Dev 0.9892

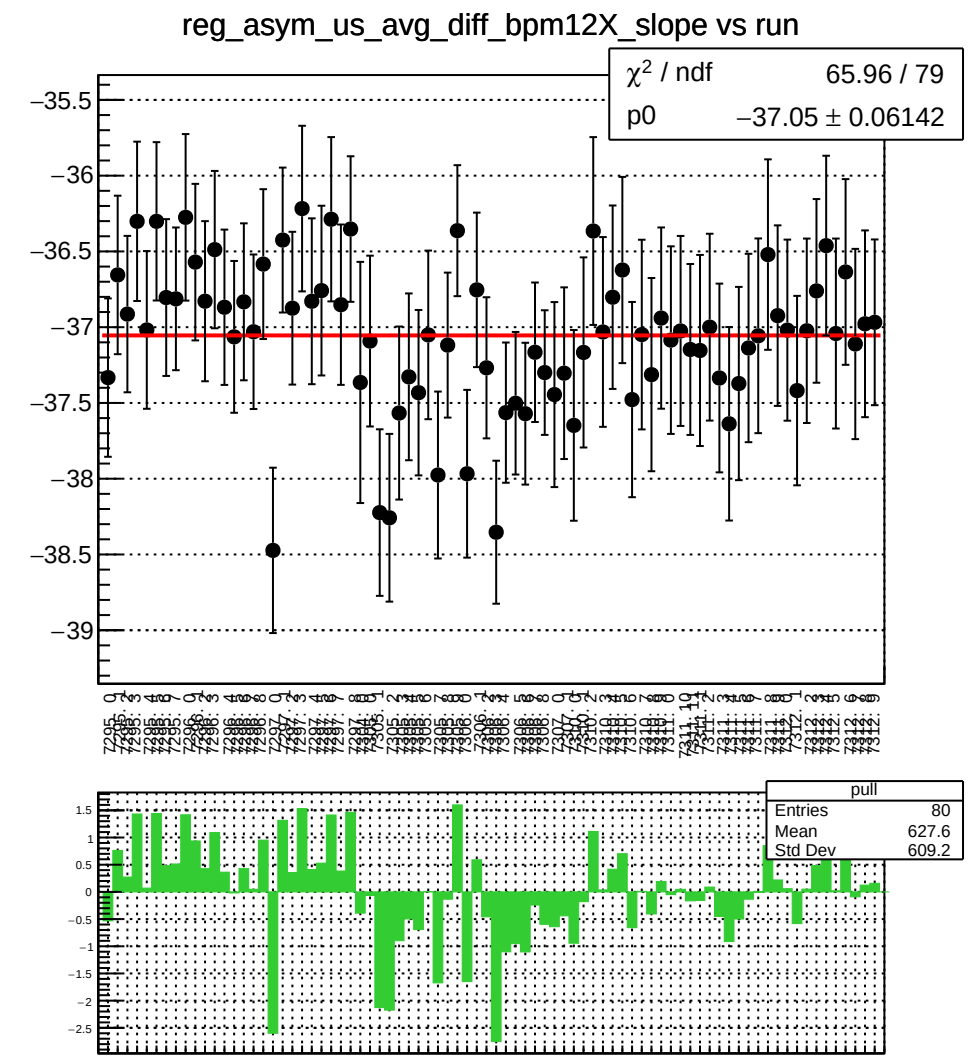

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.24 / 79
p0 −5.553 ± 1.282
pull
Entries 80
Mean 300.9
Std Dev 256.9
pull1D
Entries 80
Mean 0.03587
Std Dev 0.6904

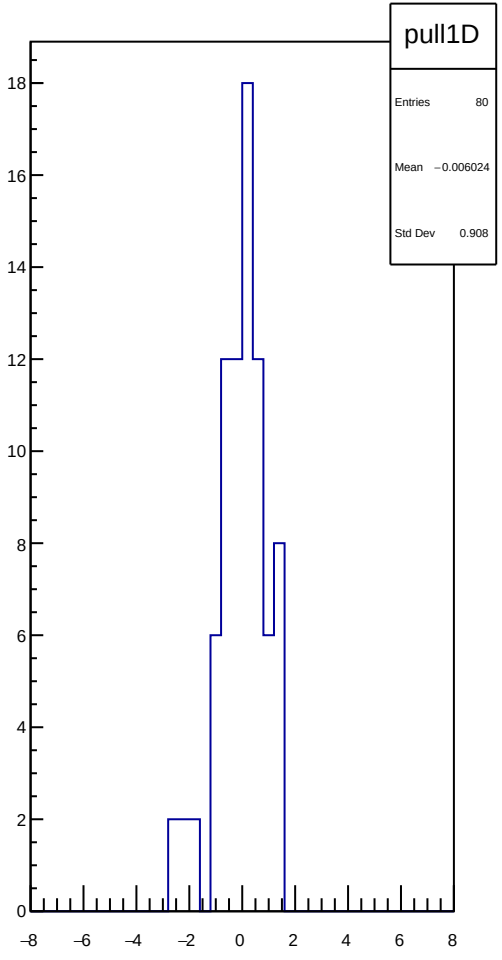

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.53 / 79
p0 41.3 ± 1.349
pull
Entries 80
Mean 139
Std Dev 93.73

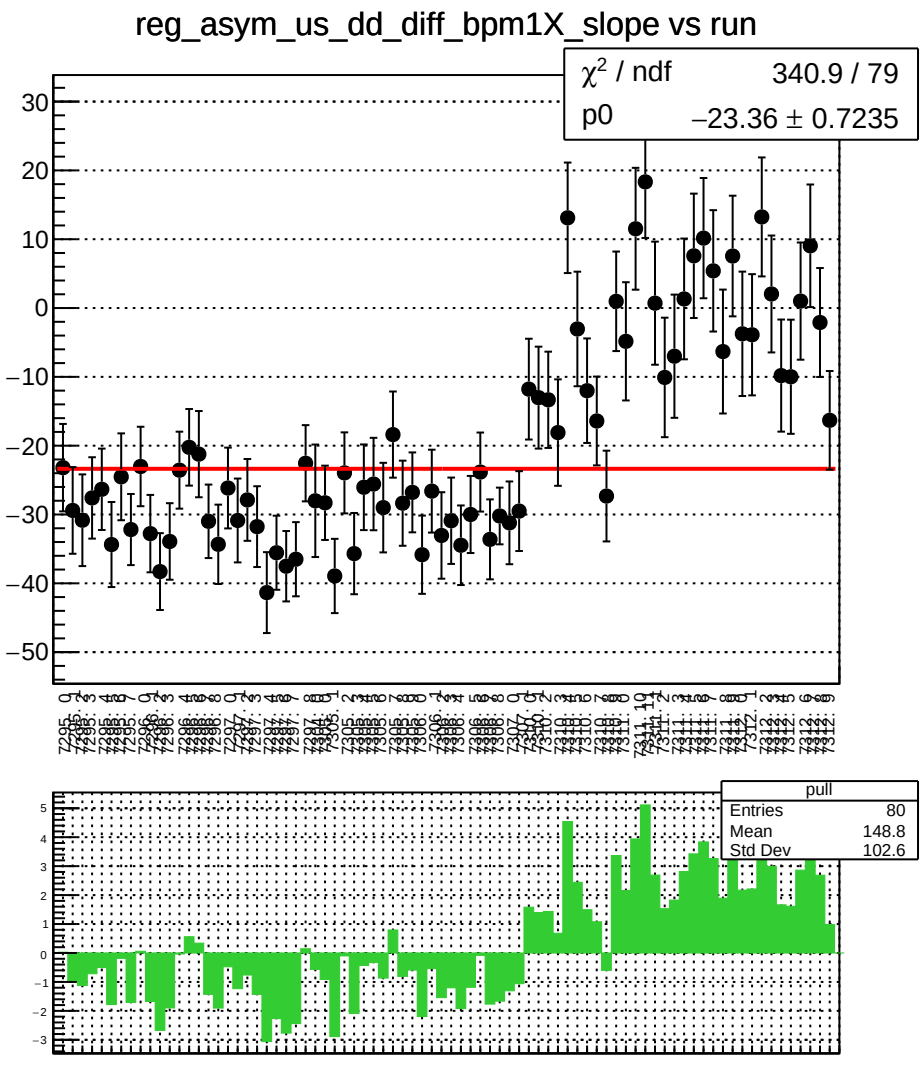

pull1D
Entries 80
Mean 0.1822
Std Dev 1.03

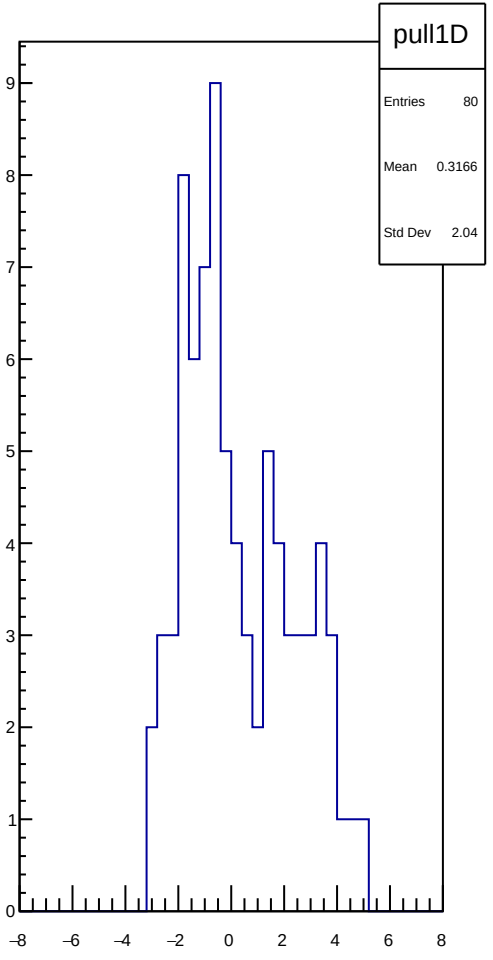

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.68 / 79
p0 23.71 ± 1.376
pull
Entries 80
Mean 244.2
Std Dev 199.8

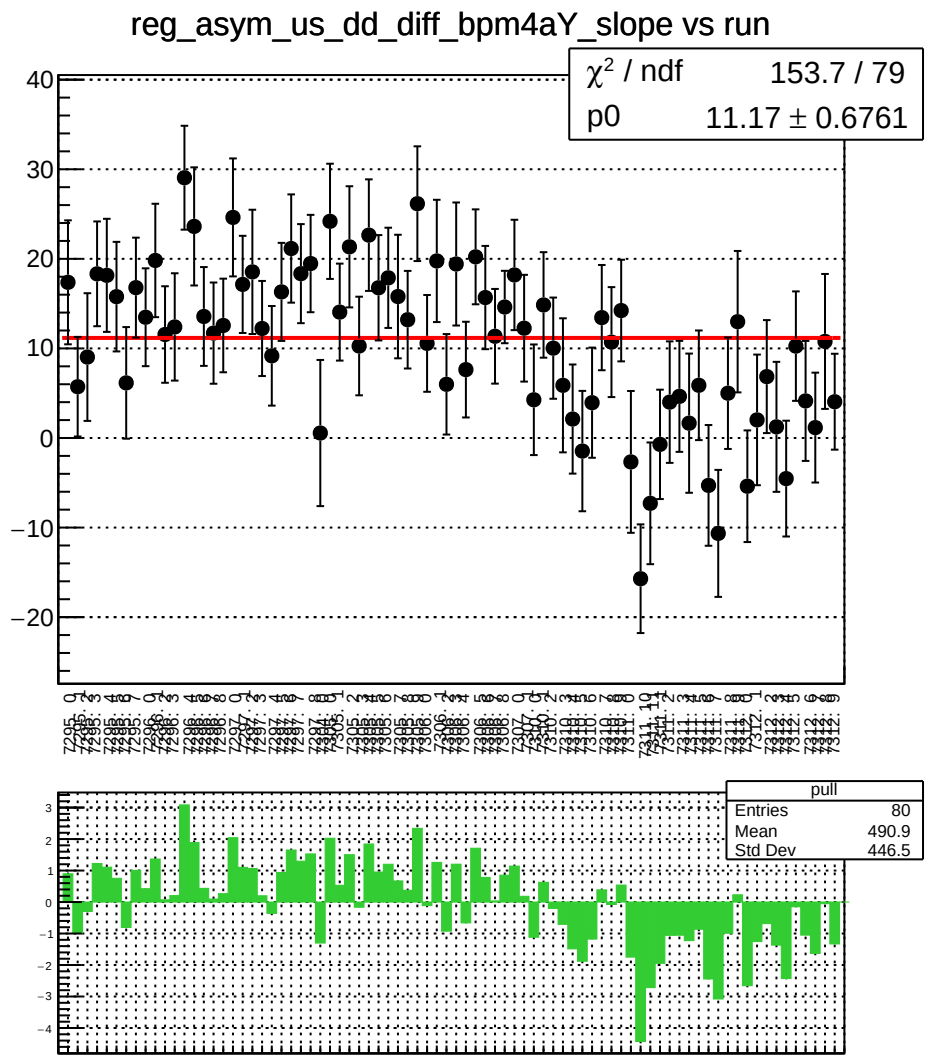

pull1D
Entries 80
Mean −0.0445
Std Dev 0.7029

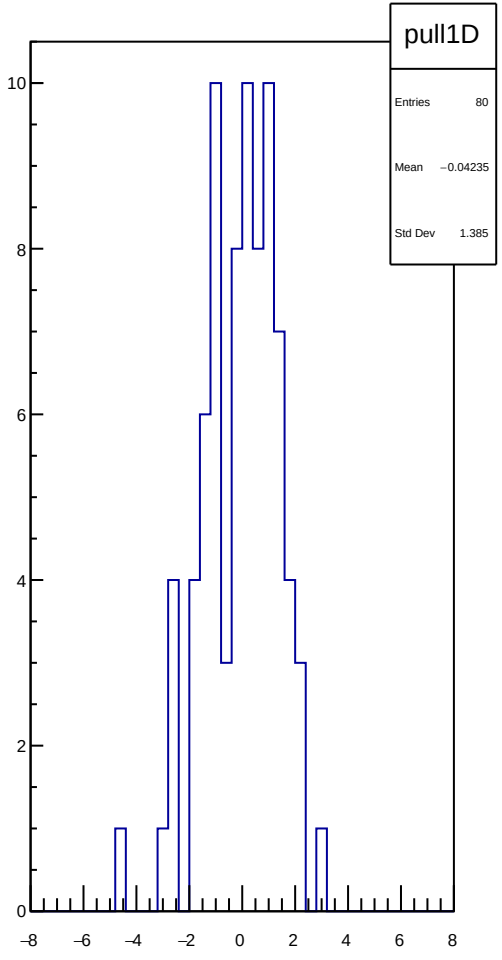

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 65.96 / 79
p0 −37.05 ± 0.06142
pull
Entries 80
Mean 627.6
Std Dev 609.2

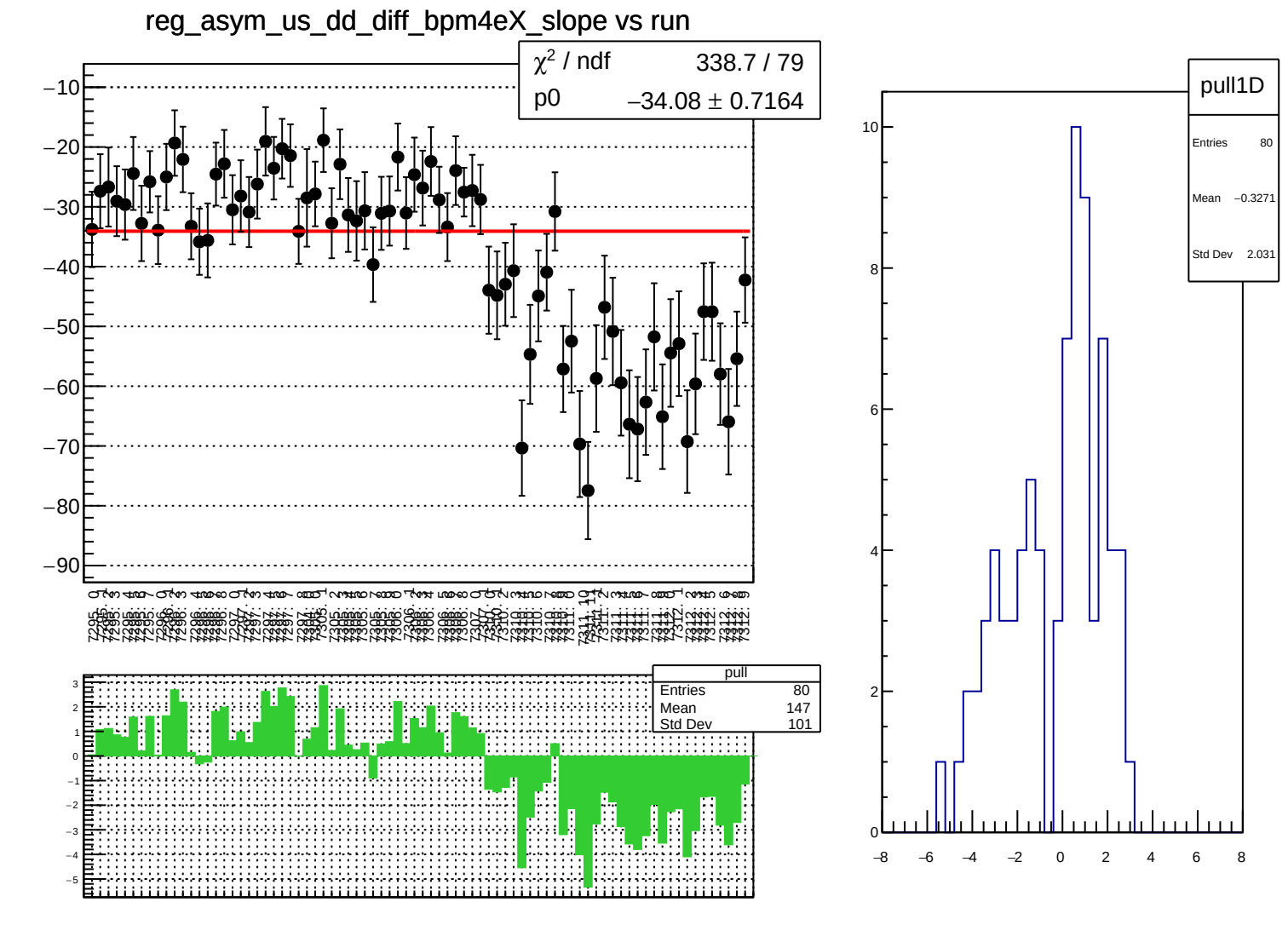

pull1D
Entries 80
Mean −0.006024
Std Dev 0.908

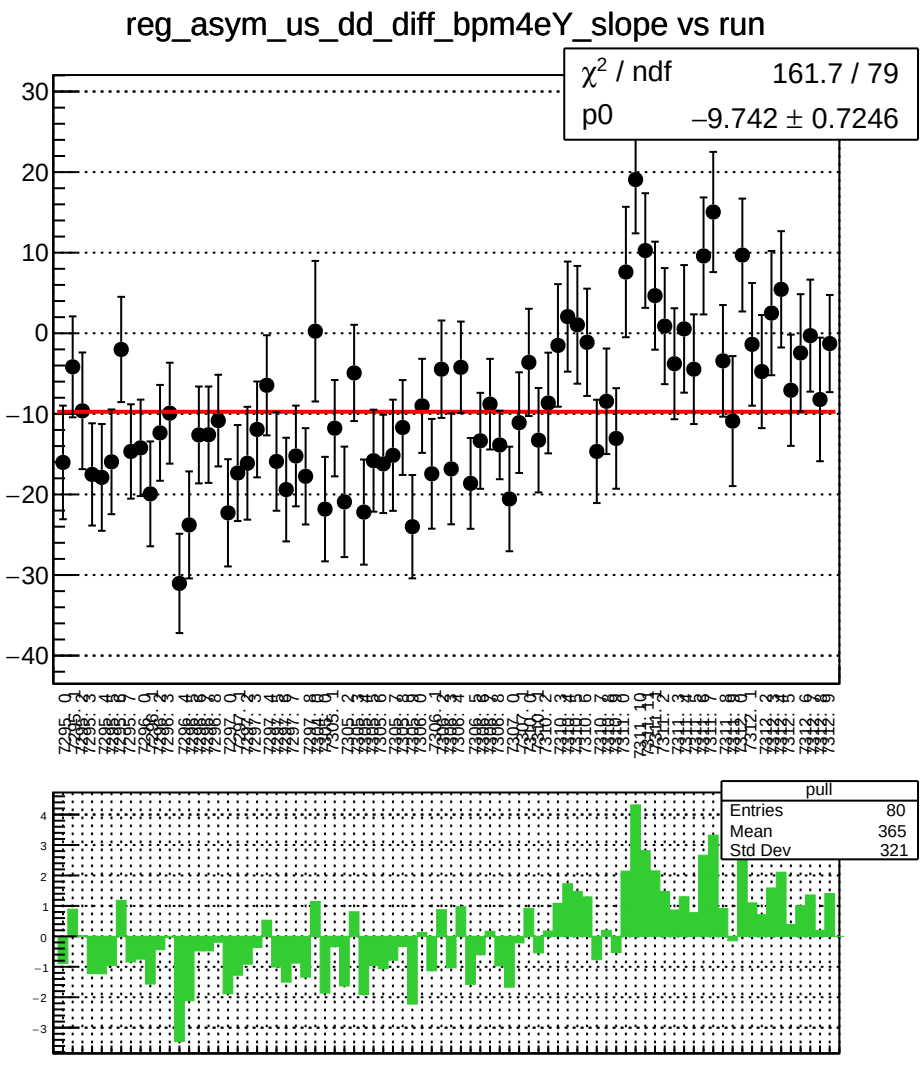

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 340.9 / 79
p0 −23.36 ± 0.7235
pull
Entries 80
Mean 148.8
Std Dev 102.6

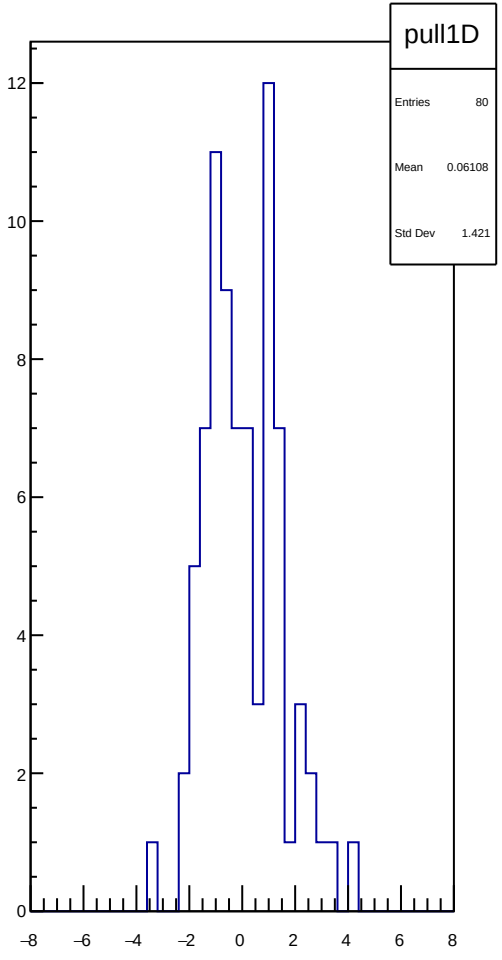

pull1D
Entries 80
Mean 0.3166
Std Dev 2.04

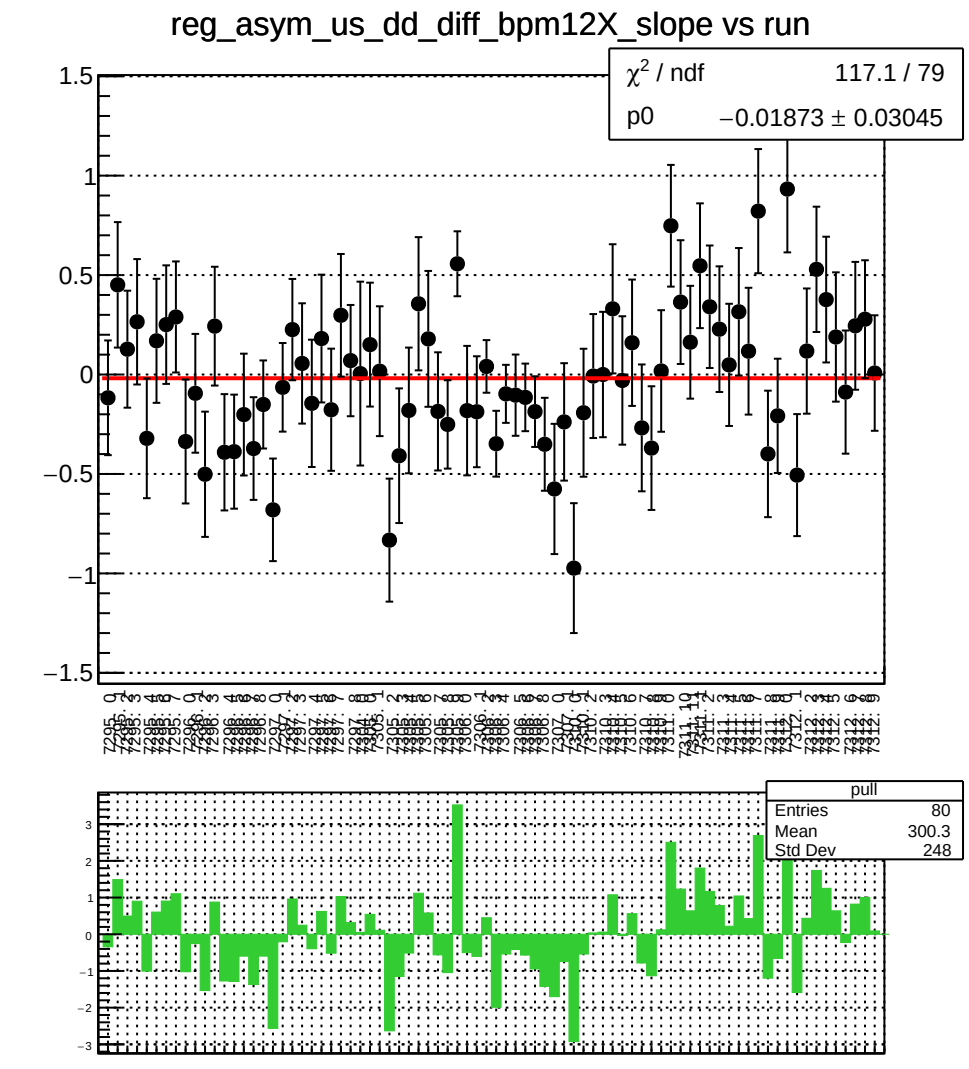

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 153.7 / 79
p0 11.17 ± 0.6761
pull
Entries 80
Mean 490.9
Std Dev 446.5

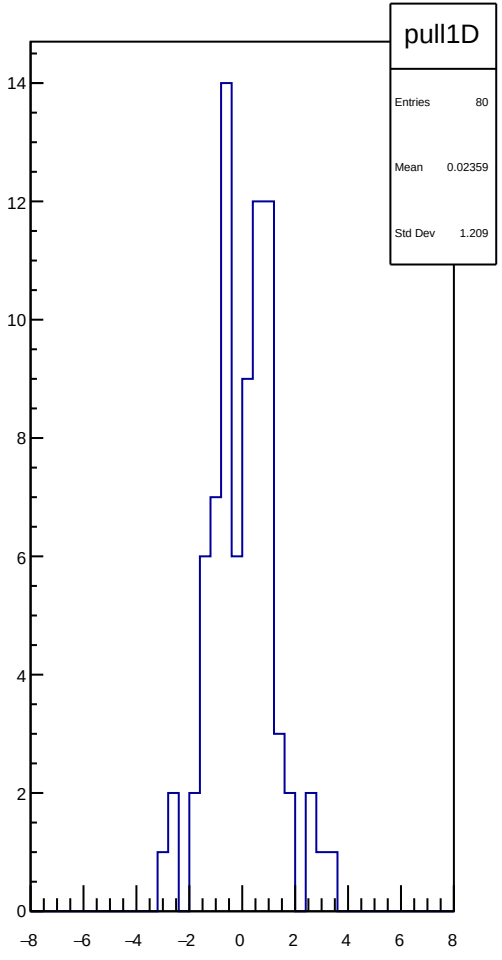

pull1D
Entries 80
Mean −0.04235
Std Dev 1.385

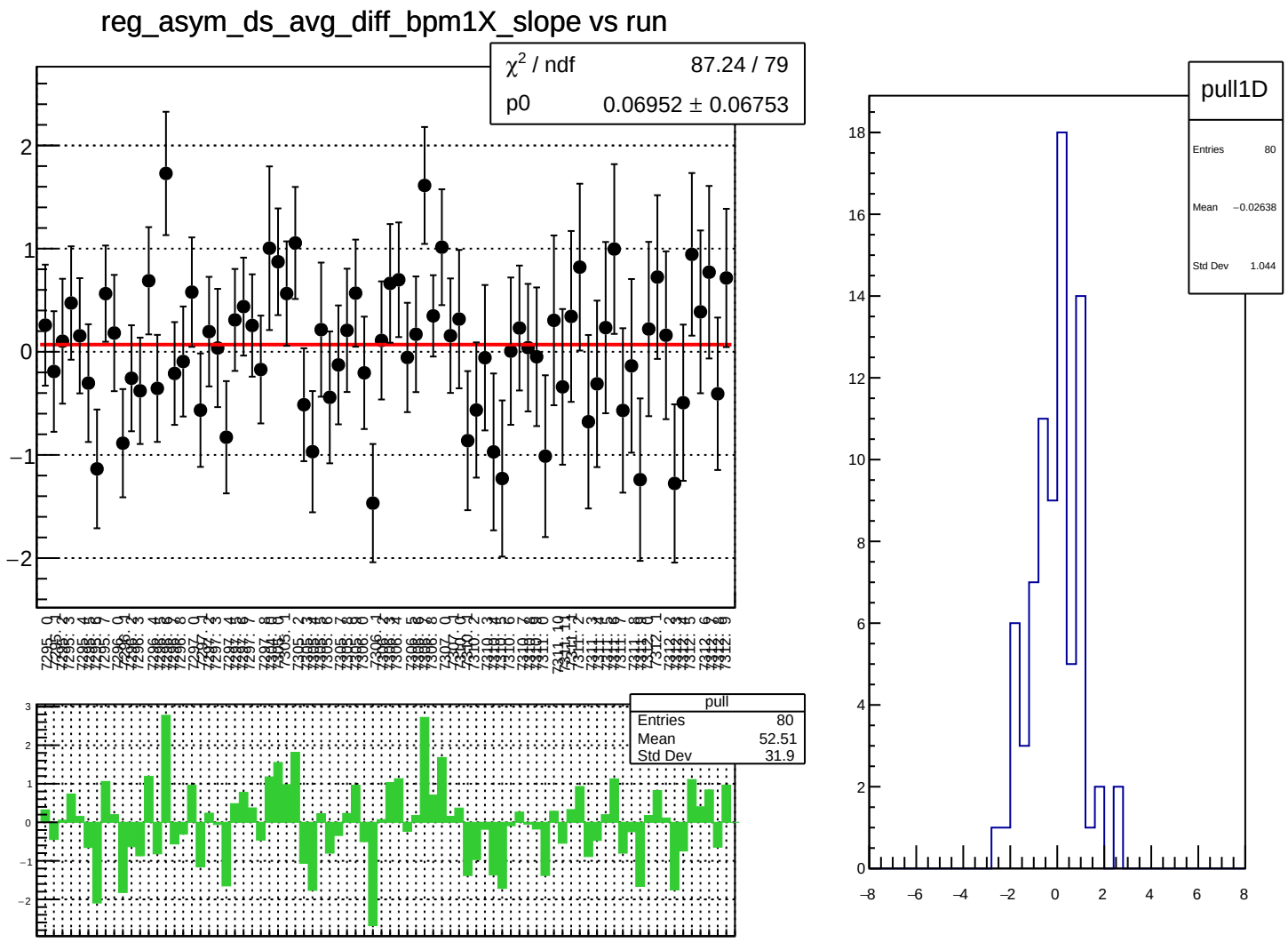

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 338.7 / 79
p0 −34.08 ± 0.7164
pull
Entries 80
Mean 147
Std Dev 101
pull1D
Entries 80
Mean −0.3271
Std Dev 2.031

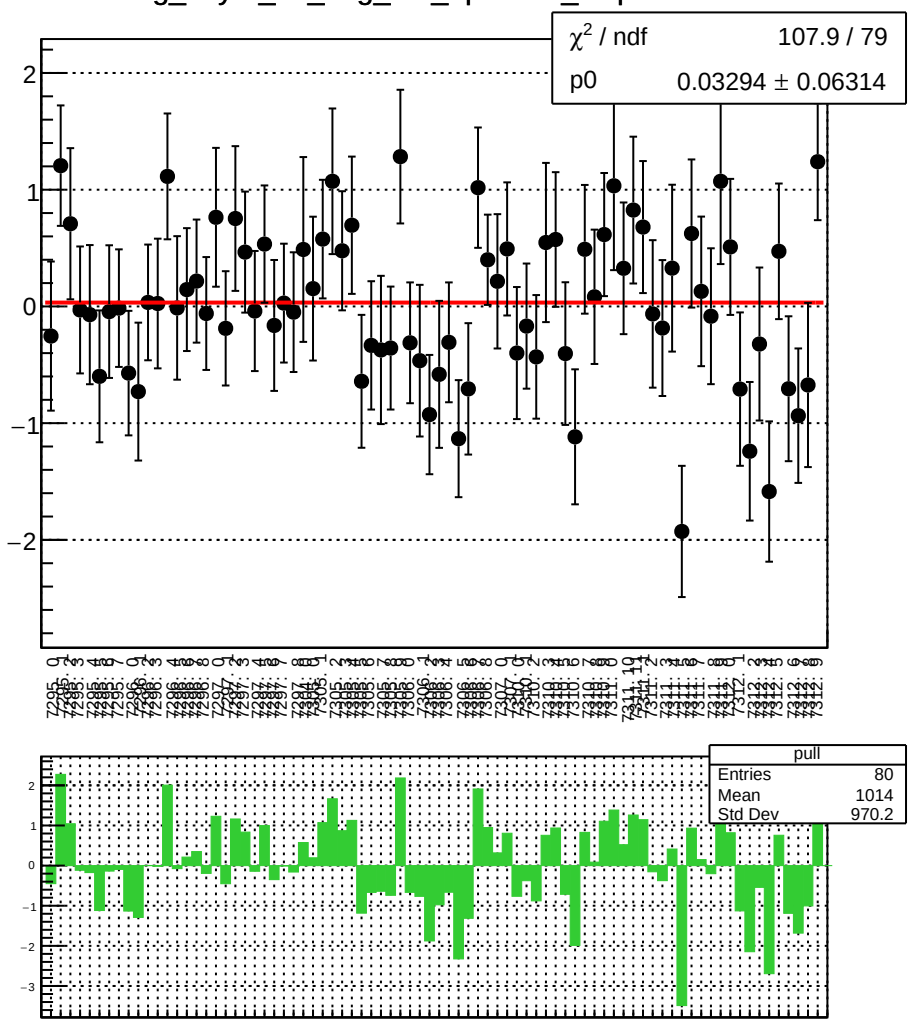

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 161.7 / 79
p0 −9.742 ± 0.7246
pull
Entries 80
Mean 365
Std Dev 321

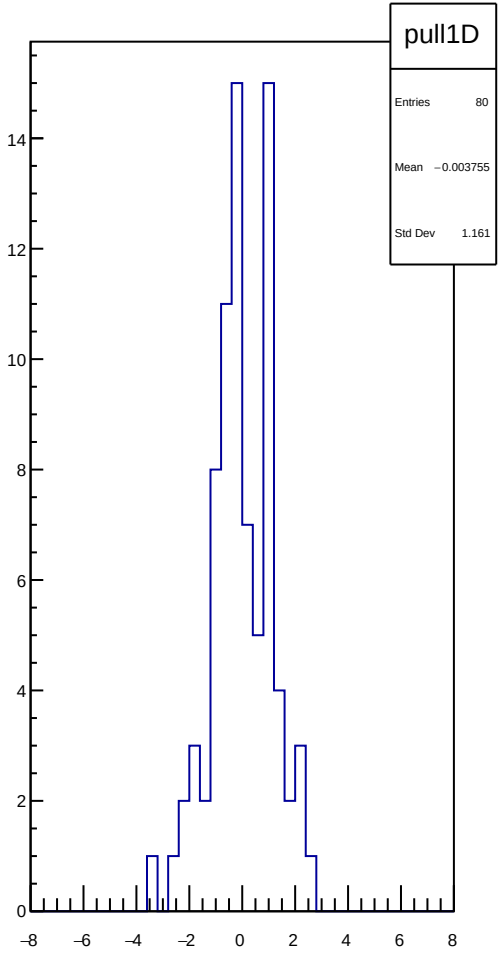

pull1D
Entries 80
Mean 0.06108
Std Dev 1.421

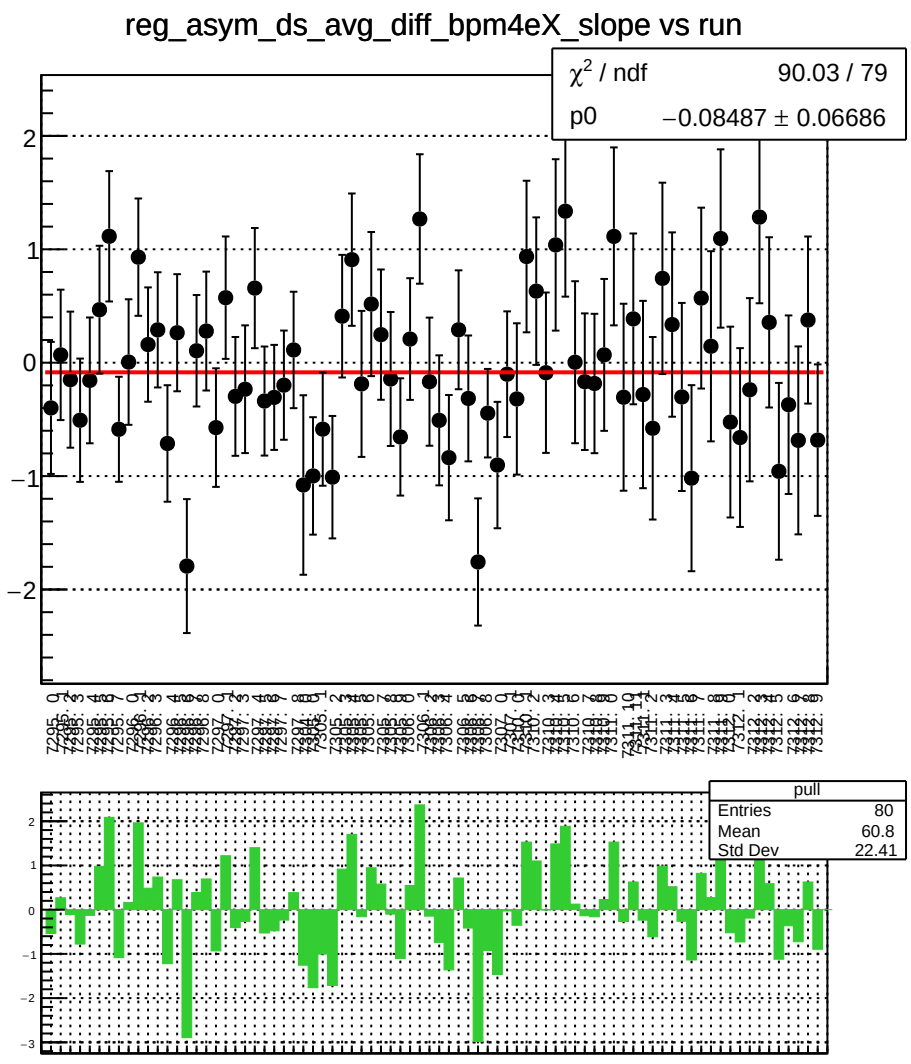

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 117.1 / 79
p0 −0.01873 ± 0.03045
pull
Entries 80
Mean 300.3
Std Dev 248

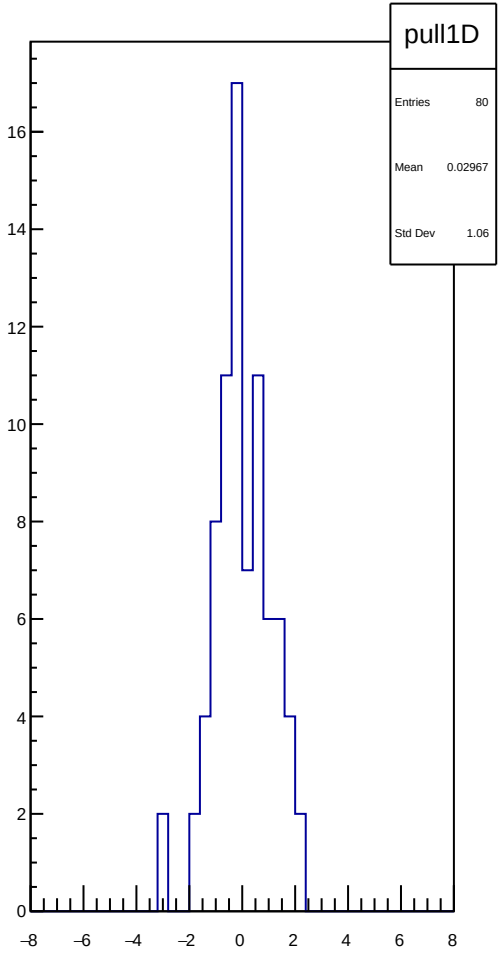

pull1D
Entries 80
Mean 0.02359
Std Dev 1.209

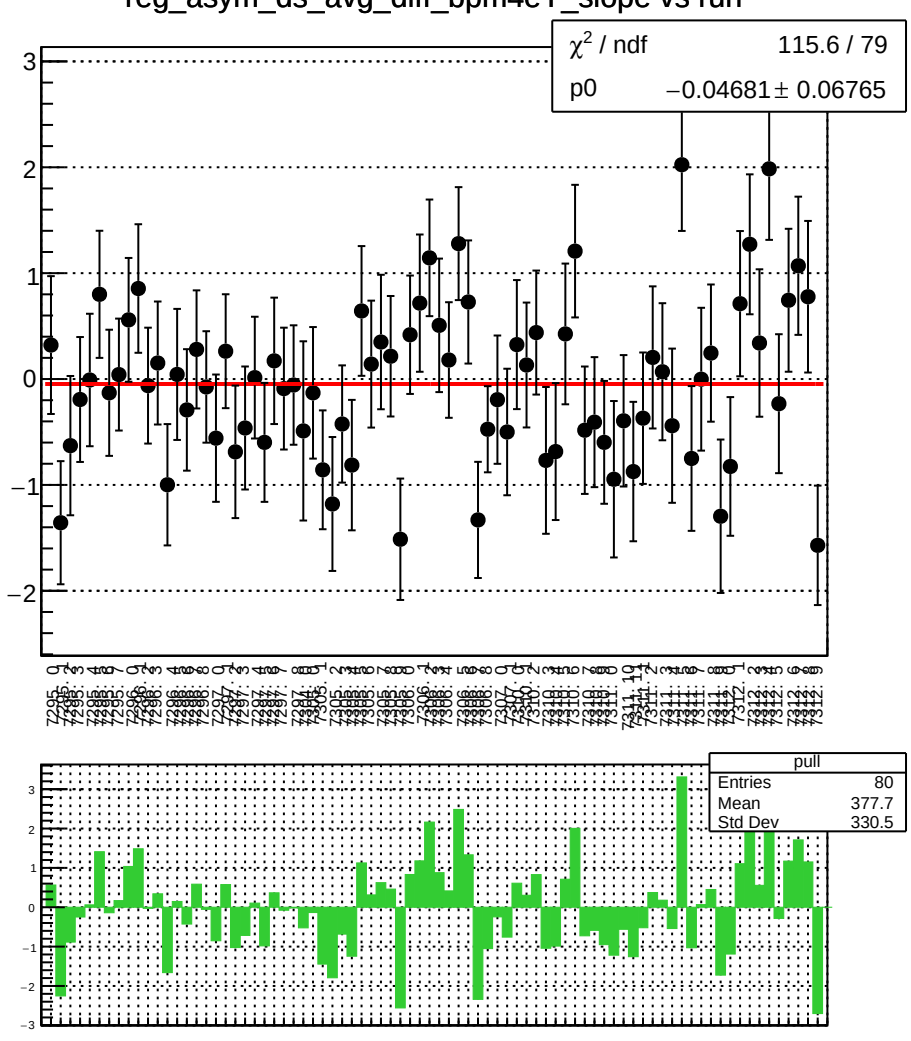

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 87.24 / 79
p0 0.06952 ± 0.06753
pull
Entries 80
Mean 52.51
Std Dev 31.9
pull1D
Entries 80
Mean −0.02638
Std Dev 1.044

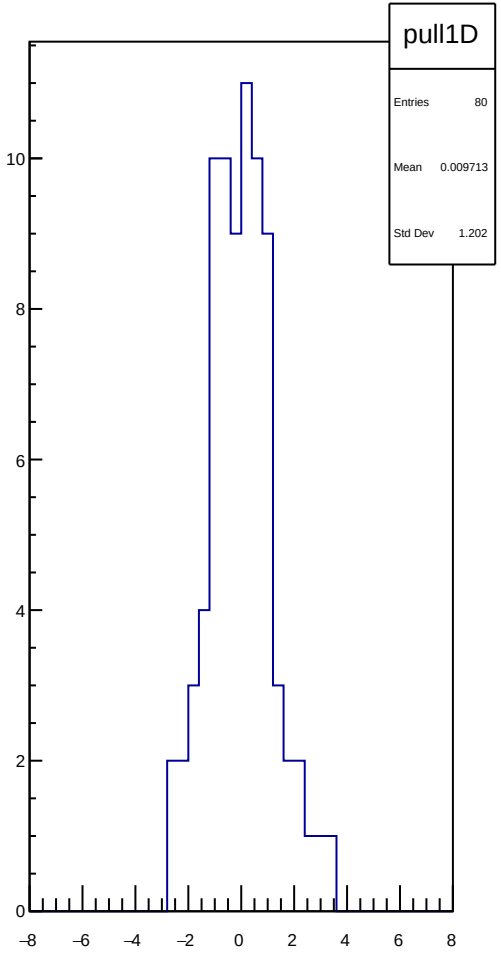

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 107.9 / 79
p0 0.03294 ± 0.06314
pull
Entries 80
Mean 1014
Std Dev 970.2

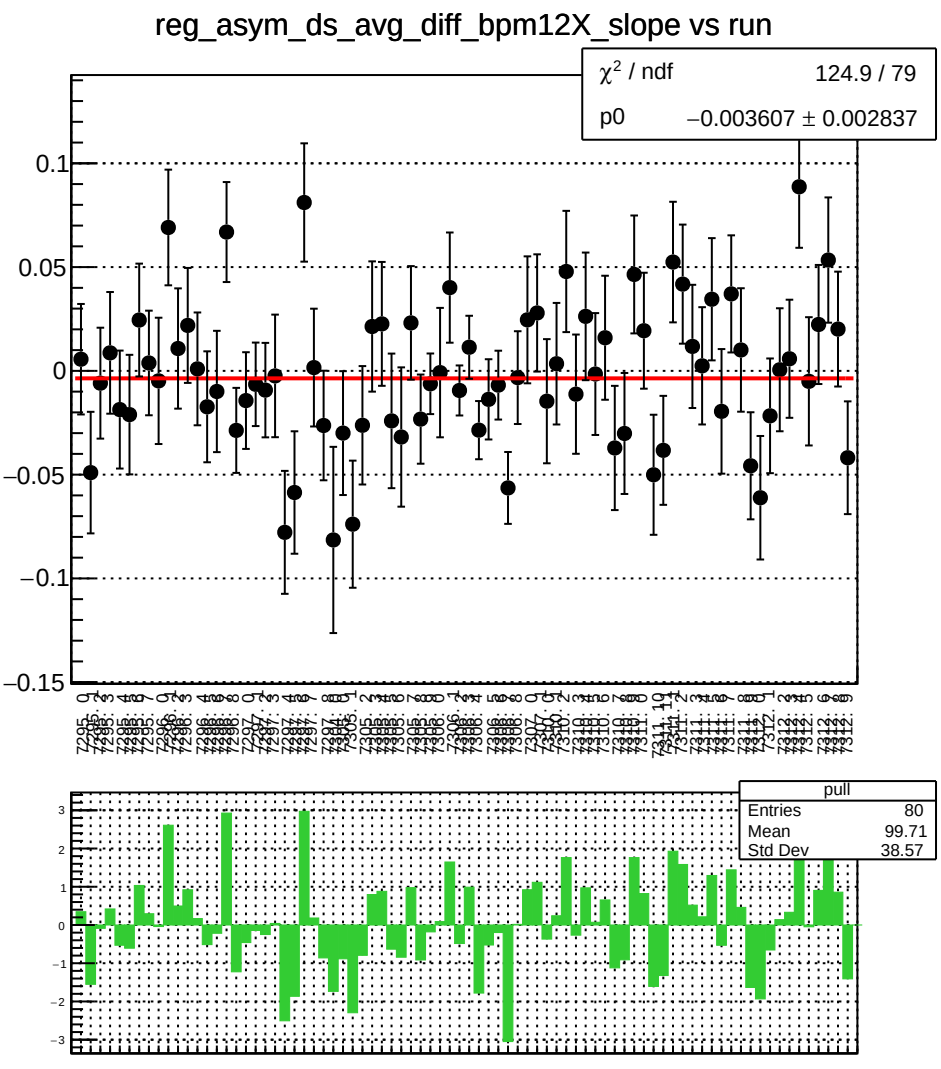

pull1D
Entries 80
Mean −0.003755
Std Dev 1.161

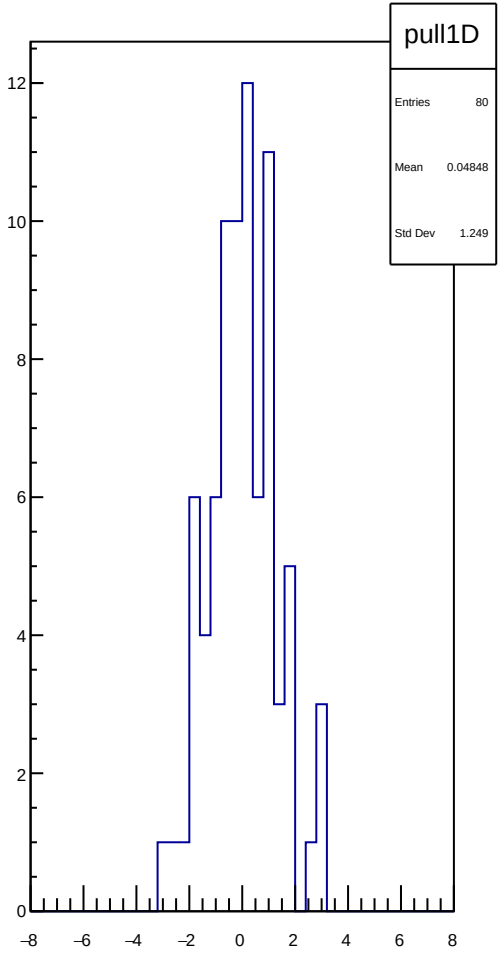

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.03 / 79
p0 −0.08487 ± 0.06686
pull
Entries 80
Mean 60.8
Std Dev 22.41

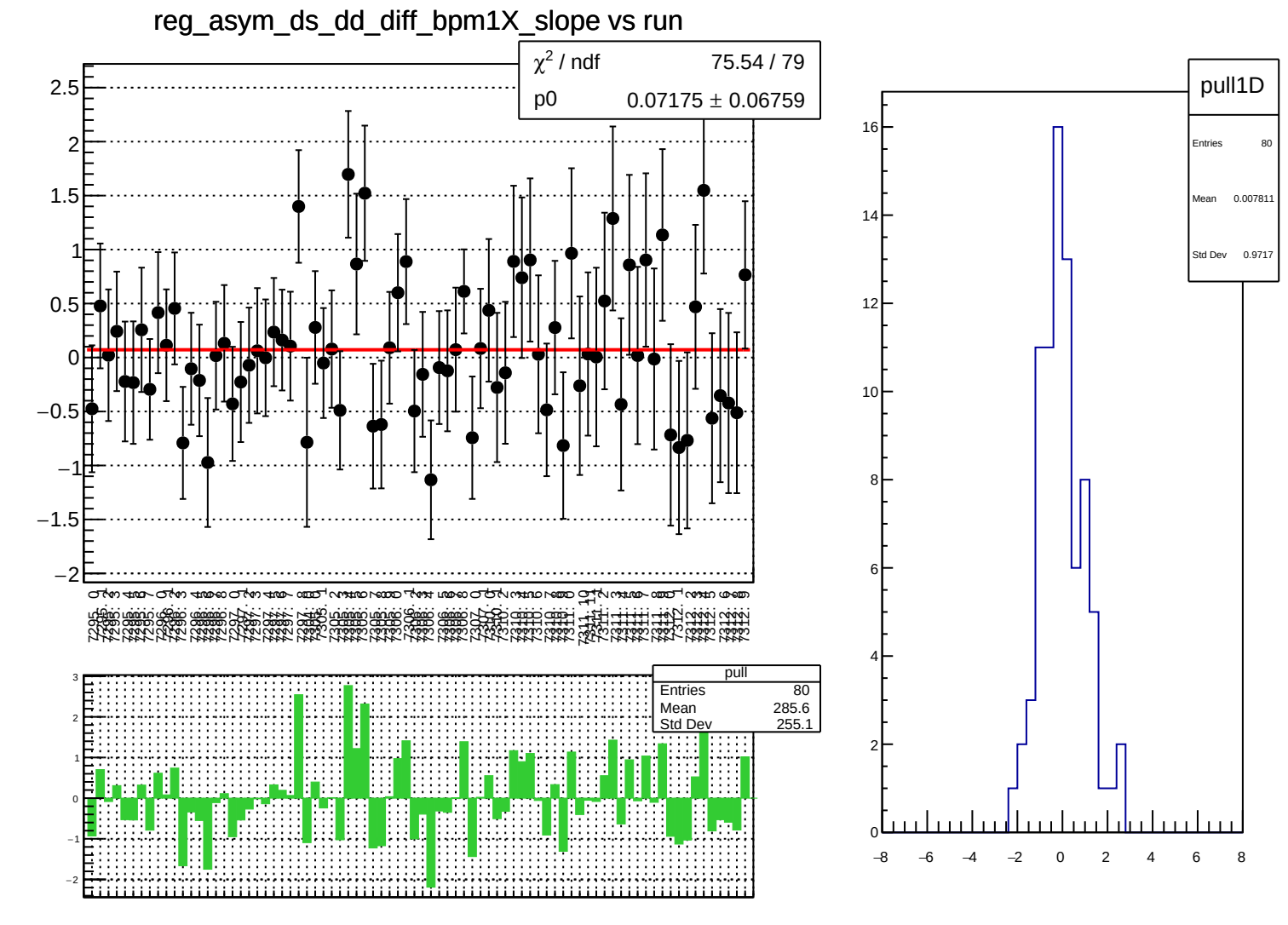

pull1D
Entries 80
Mean 0.02967
Std Dev 1.06

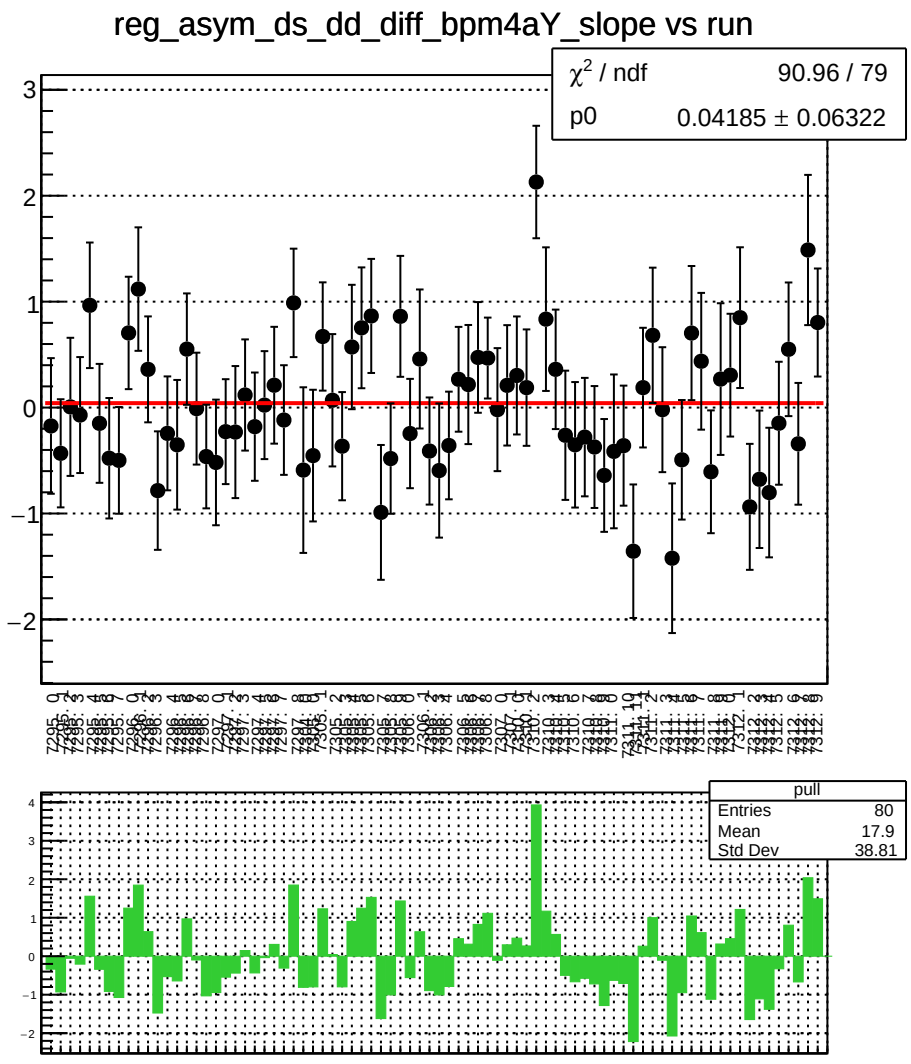

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.6 / 79
p0 −0.04681 ± 0.06765
pull
Entries 80
Mean 377.7
Std Dev 330.5

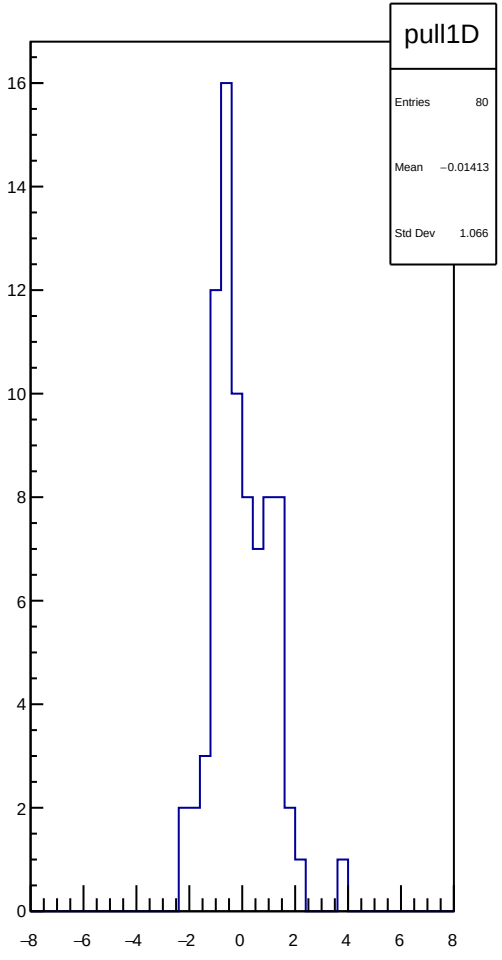

pull1D
Entries 80
Mean 0.009713
Std Dev 1.202

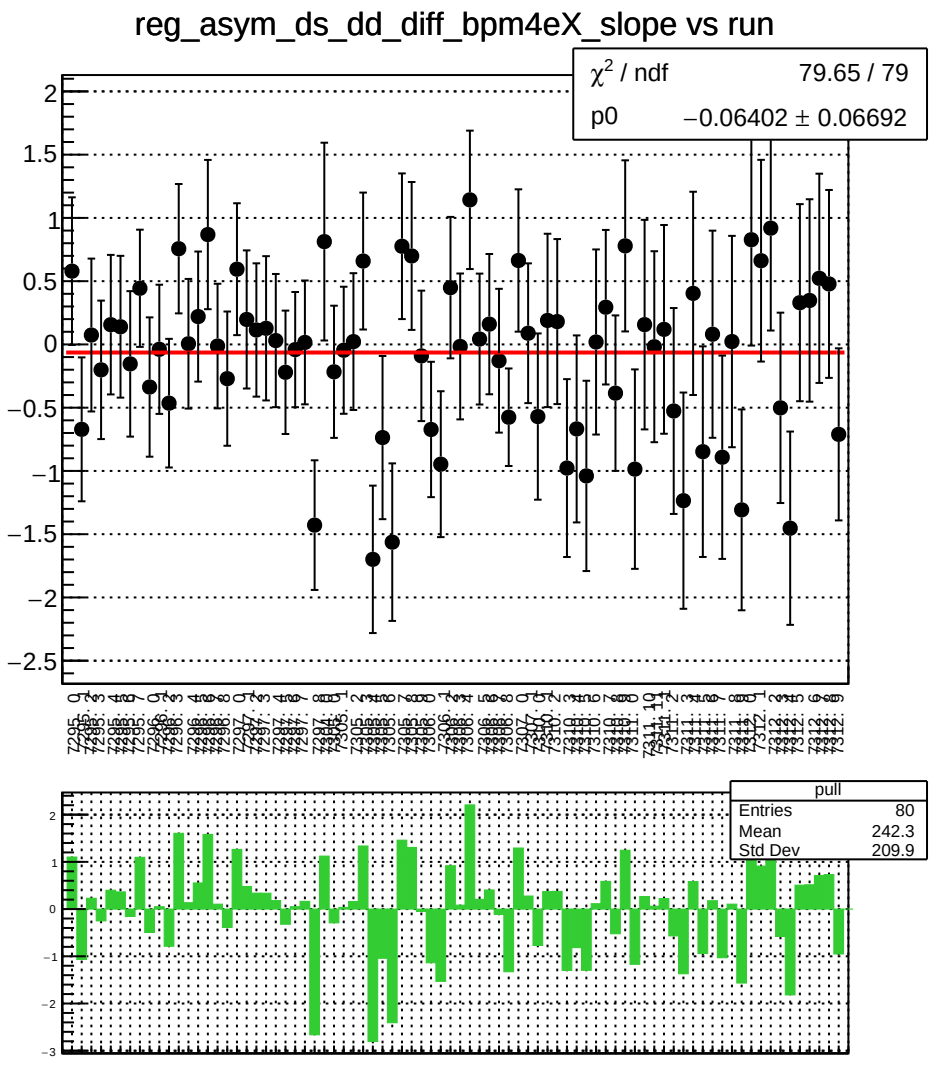

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 124.9 / 79
p0 −0.003607 ± 0.002837
pull
Entries 80
Mean 99.71
Std Dev 38.57

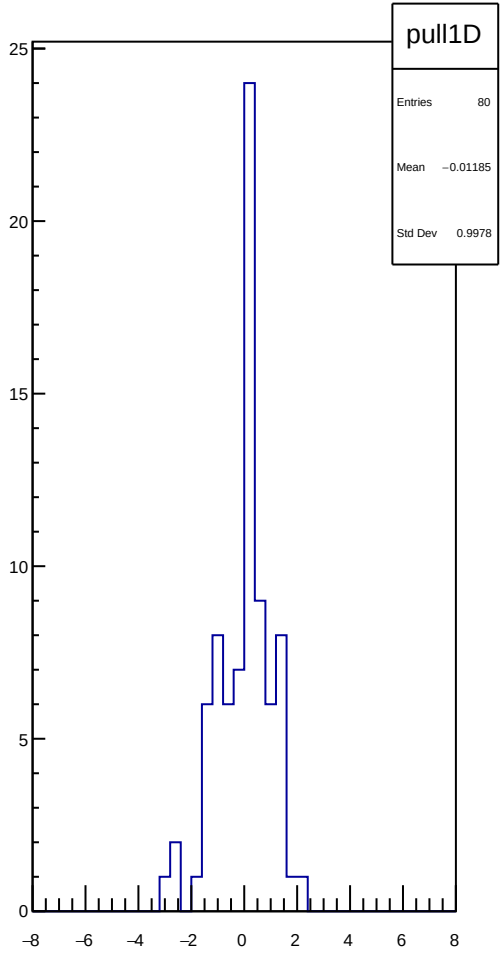

pull1D
Entries 80
Mean 0.04848
Std Dev 1.249

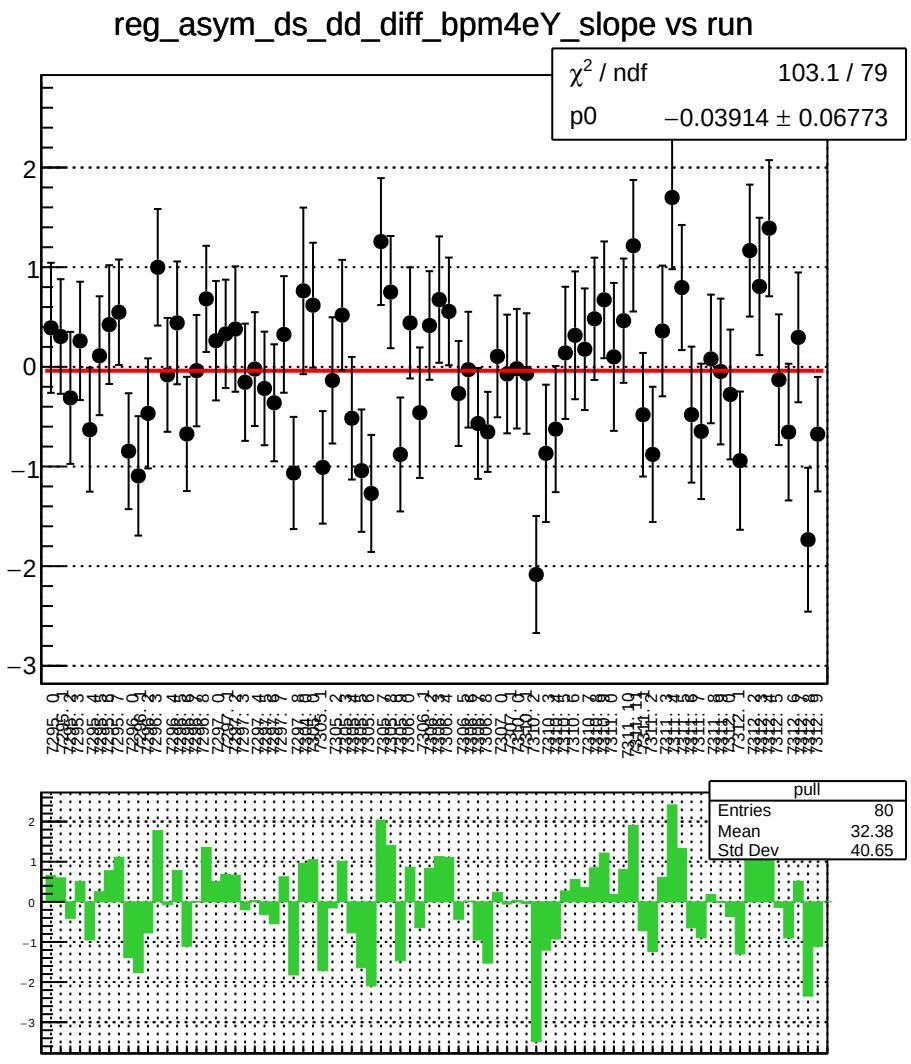

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 75.54 / 79
p0 0.07175 ± 0.06759
pull
Entries 80
Mean 285.6
Std Dev 255.1
pull1D
Entries 80
Mean 0.007811
Std Dev 0.9717

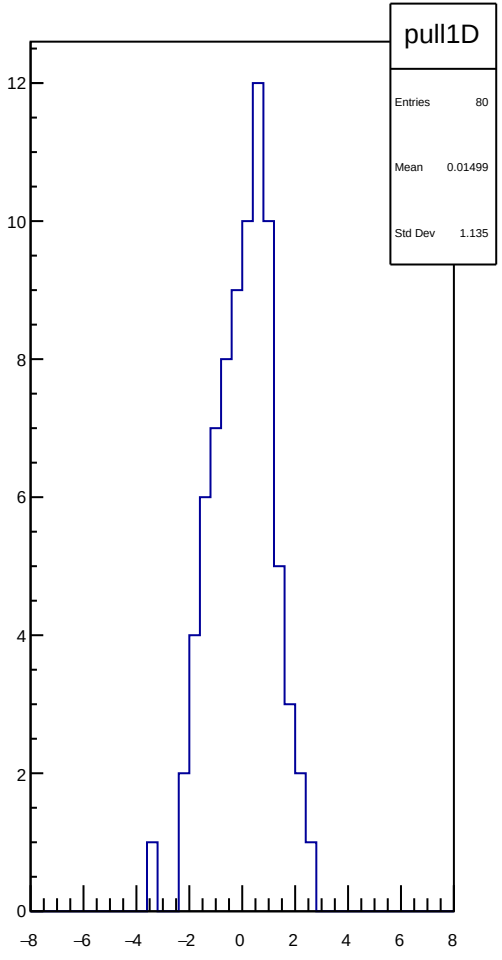

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.96 / 79
p0 0.04185 ± 0.06322
pull
Entries 80
Mean 17.9
Std Dev 38.81

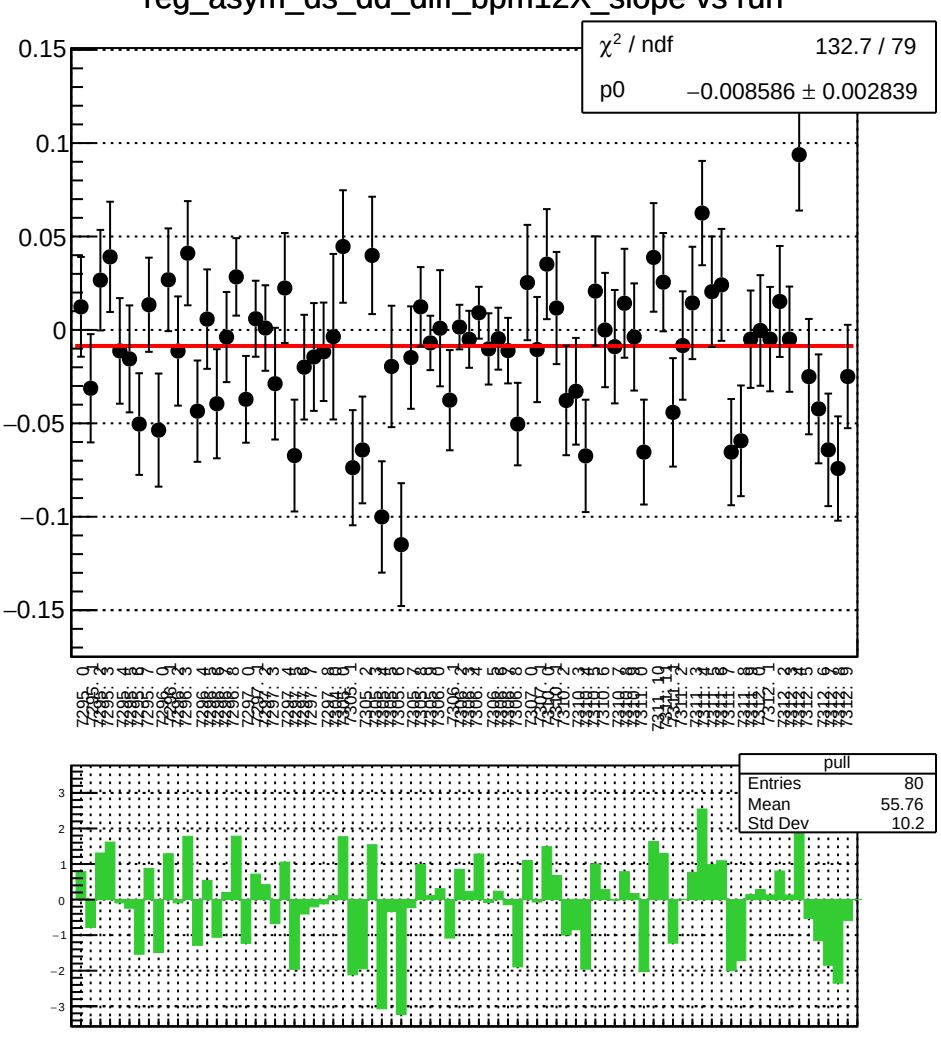

pull1D
Entries 80
Mean −0.01413
Std Dev 1.066

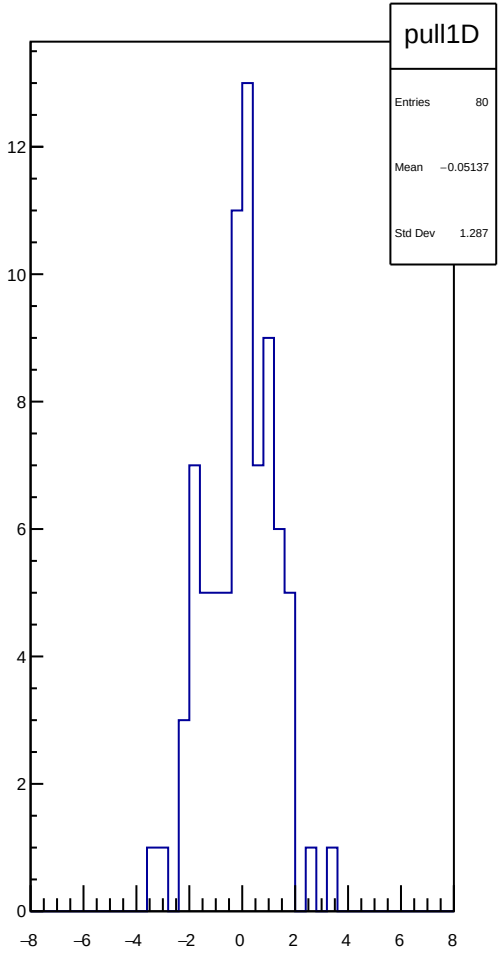

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.65 / 79
p0 −0.06402 ± 0.06692
pull
Entries 80
Mean 242.3
Std Dev 209.9

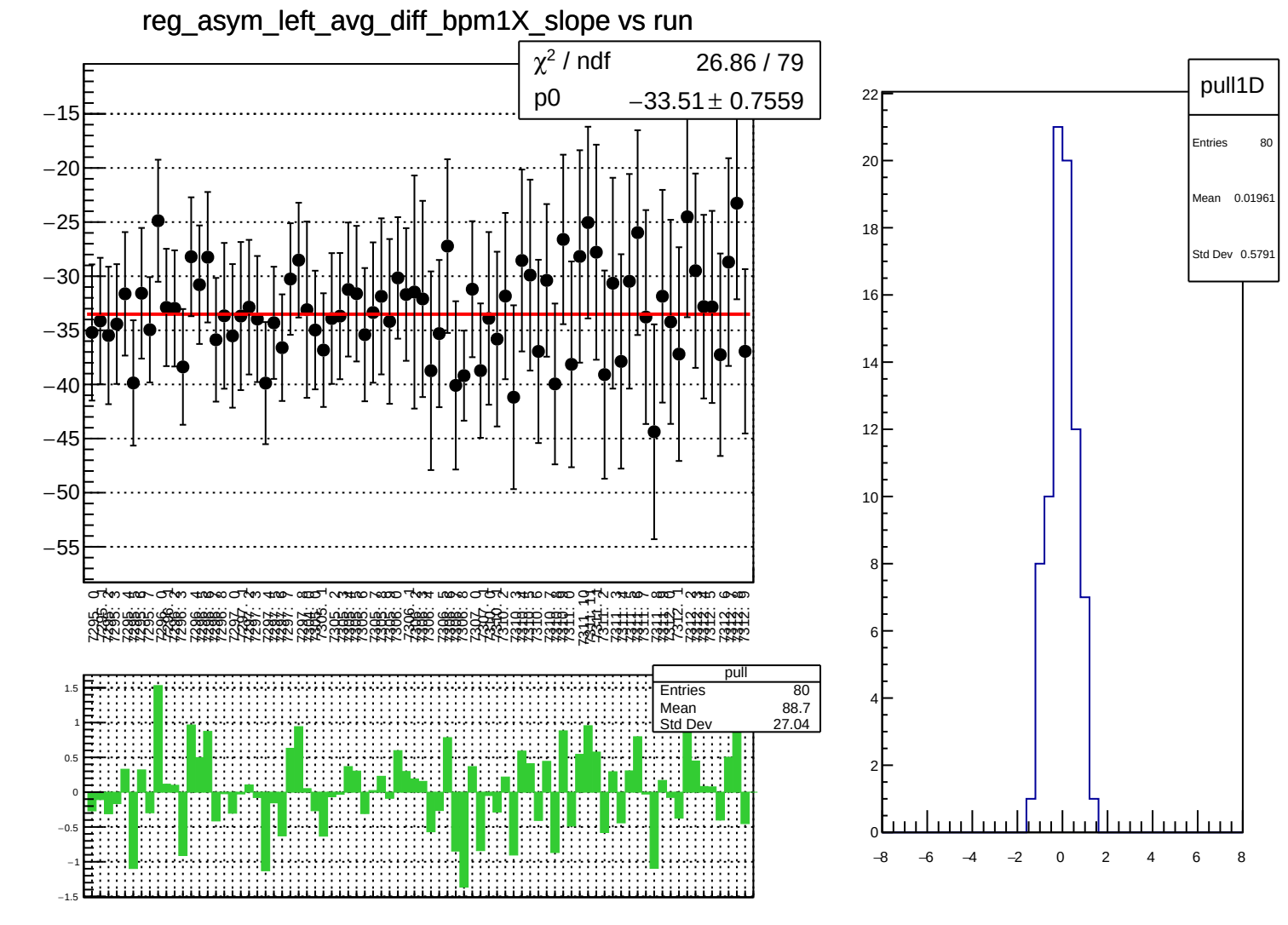

pull1D
Entries 80
Mean −0.01185
Std Dev 0.9978

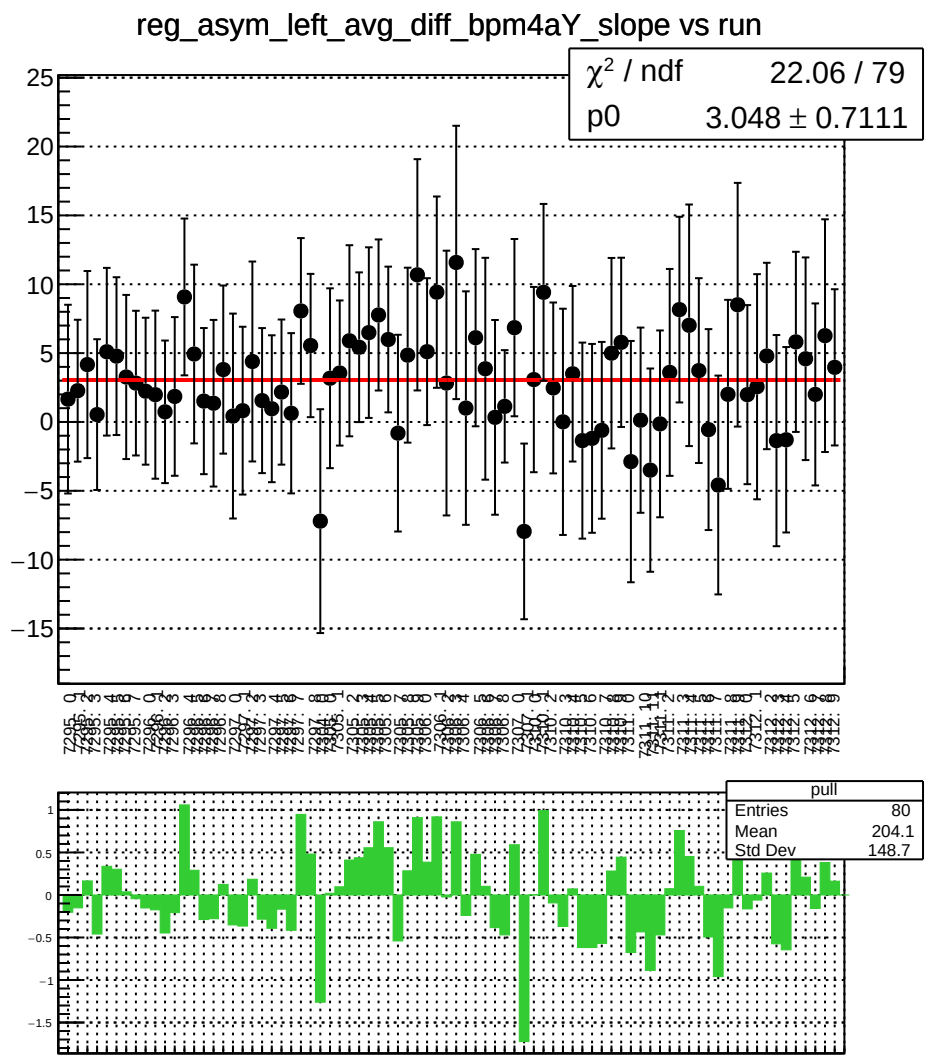

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.1 / 79
p0 −0.03914 ± 0.06773
pull
Entries 80
Mean 32.38
Std Dev 40.65

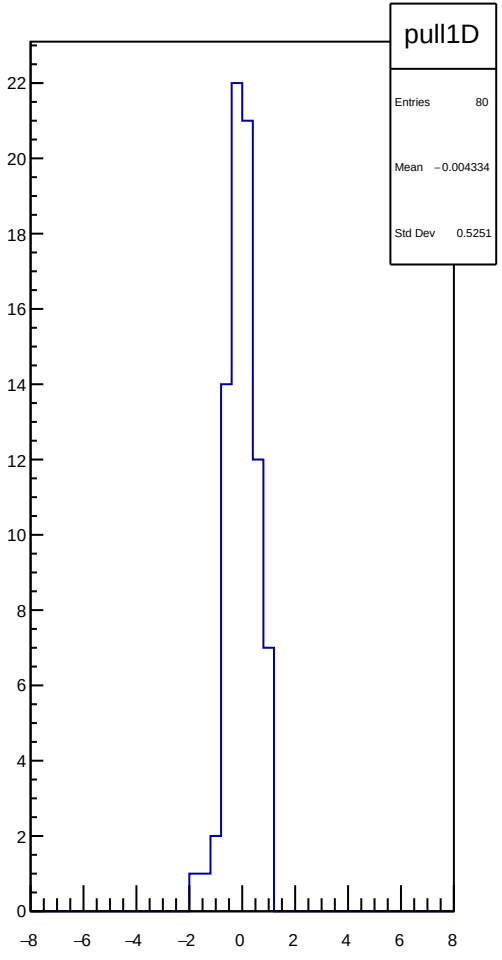

pull1D
Entries 80
Mean 0.01499
Std Dev 1.135

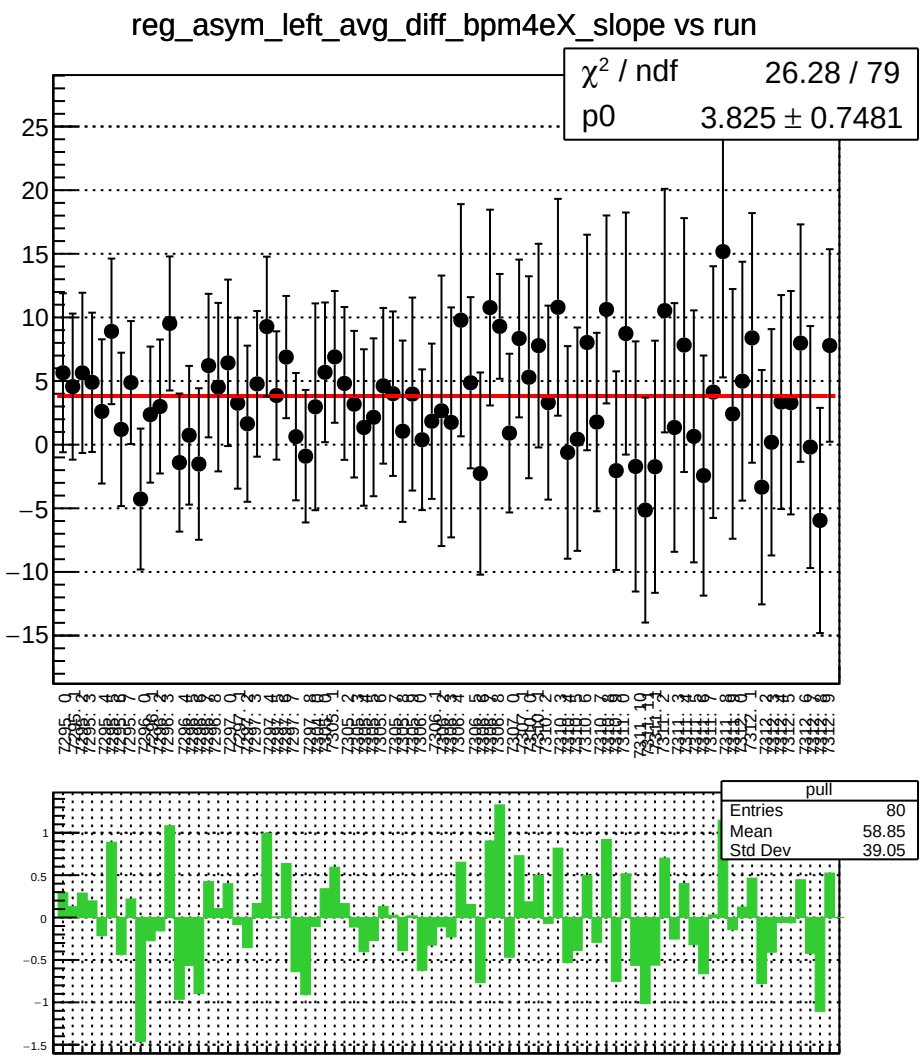

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 132.7 / 79
p0 −0.008586 ± 0.002839
pull
Entries 80
Mean 55.76
Std Dev 10.2

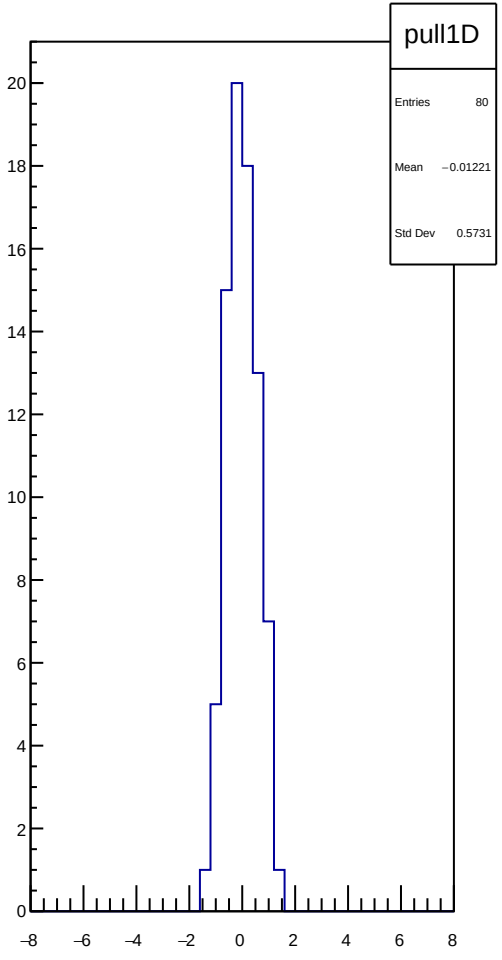

pull1D
Entries 80
Mean −0.05137
Std Dev 1.287

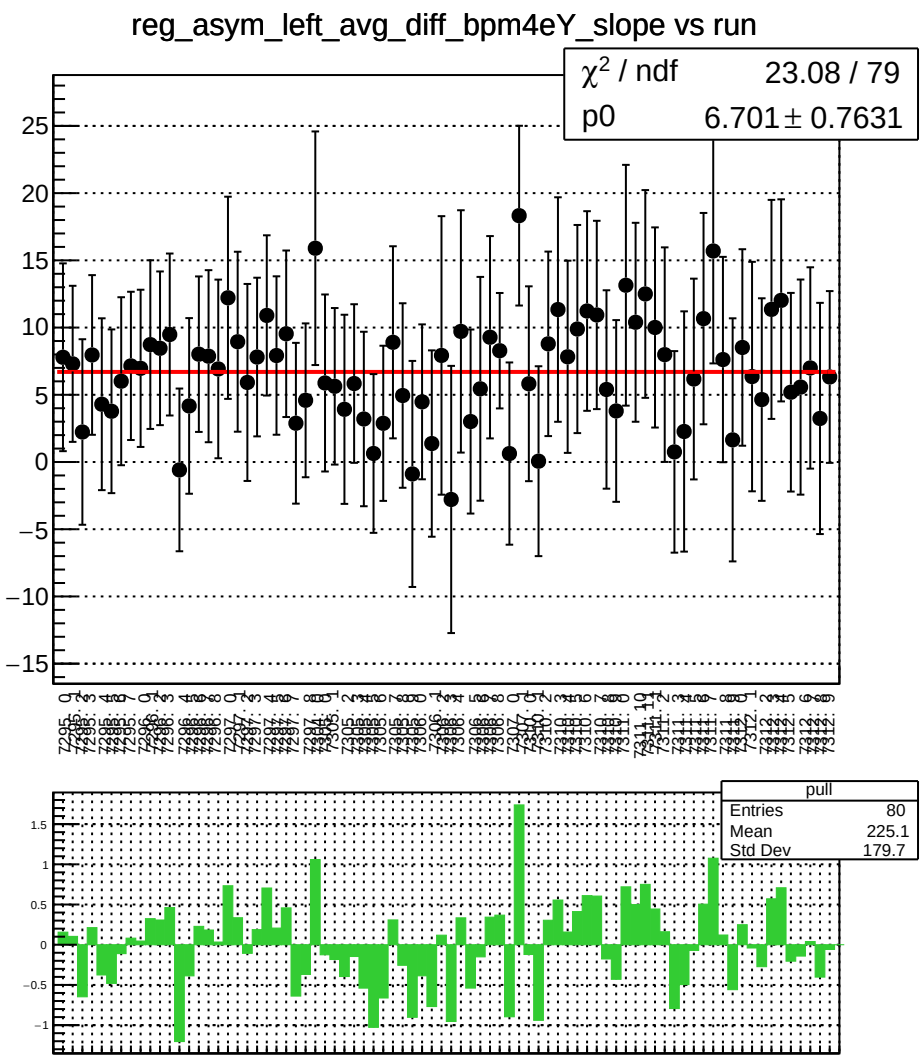

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 26.86 / 79
p0 −33.51 ± 0.7559
pull
Entries 80
Mean 88.7
Std Dev 27.04
pull1D
Entries 80
Mean 0.01961
Std Dev 0.5791

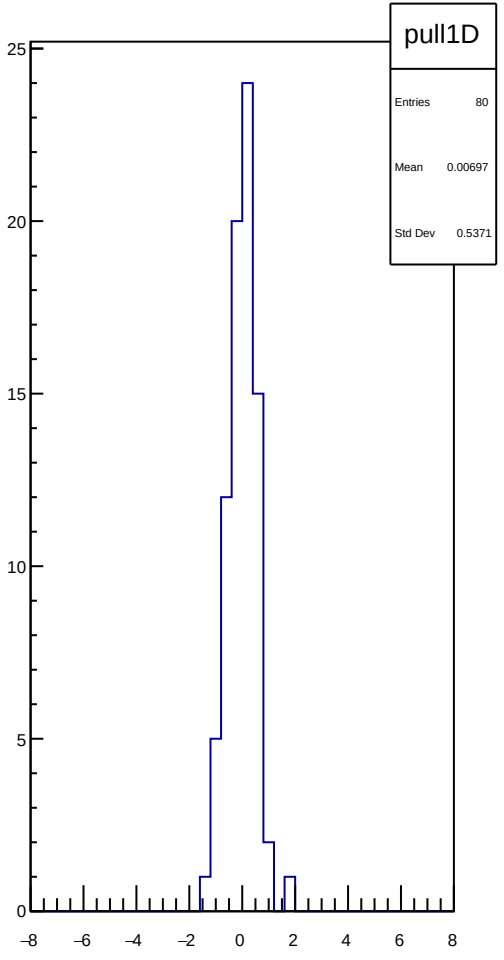

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.06 / 79
p0 3.048 ± 0.7111
pull
Entries 80
Mean 204.1
Std Dev 148.7

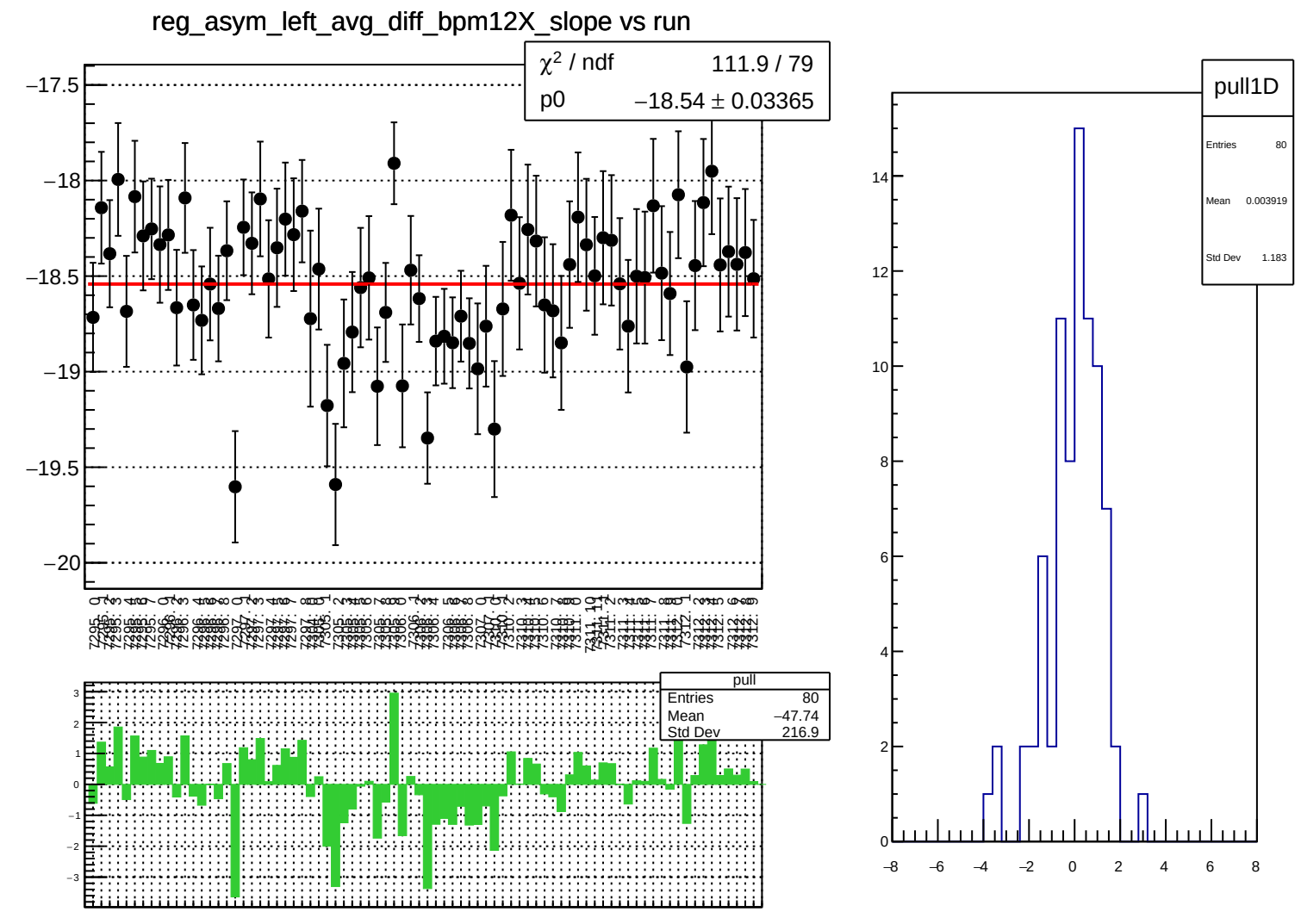

pull1D
Entries 80
Mean −0.004334
Std Dev 0.5251

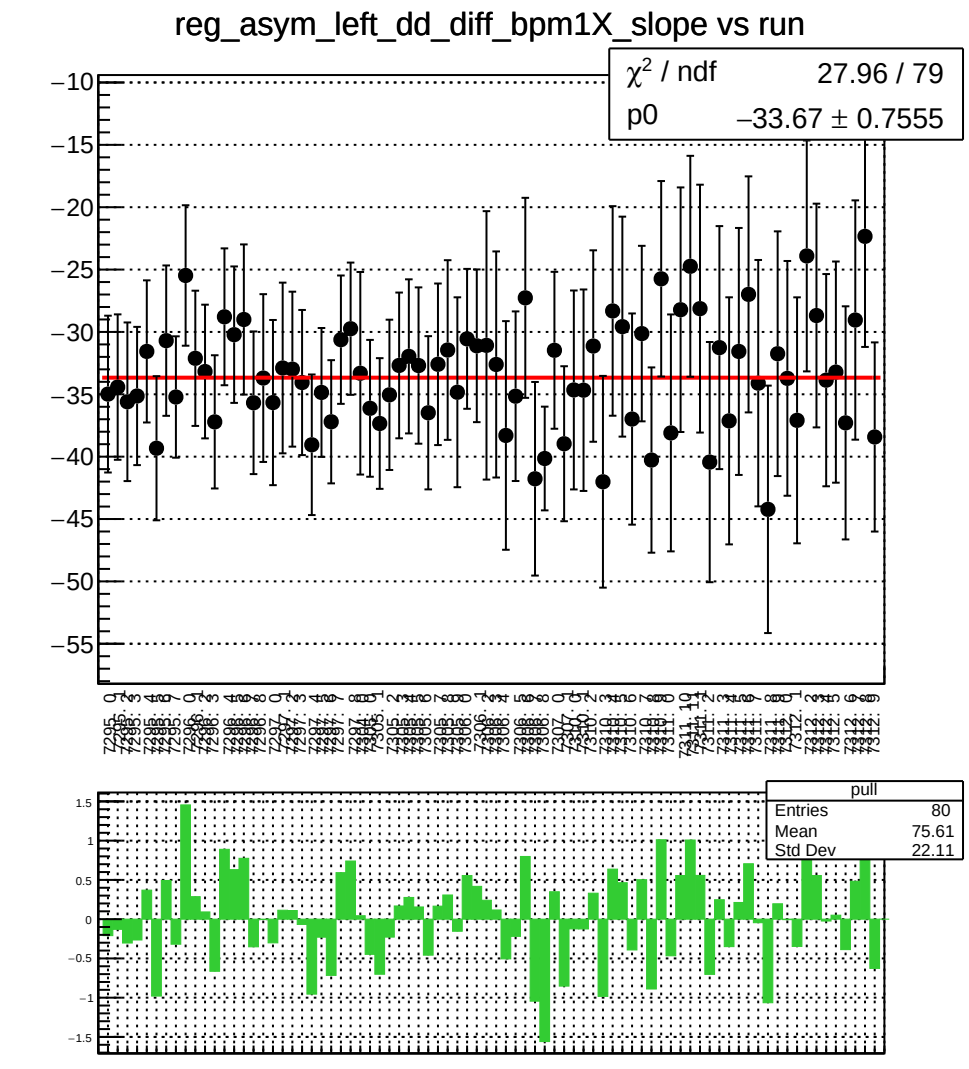

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.28 / 79
p0 3.825 ± 0.7481
pull
Entries 80
Mean 58.85
Std Dev 39.05

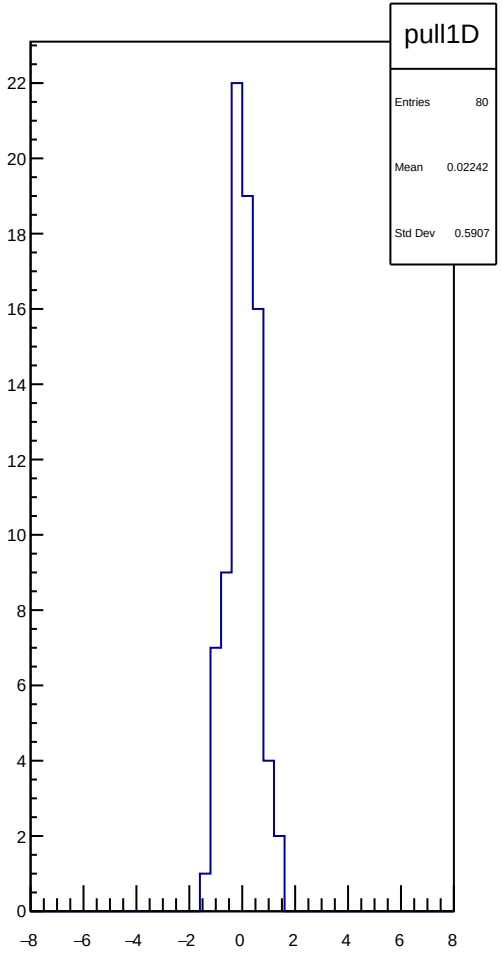

pull1D
Entries 80
Mean −0.01221
Std Dev 0.5731

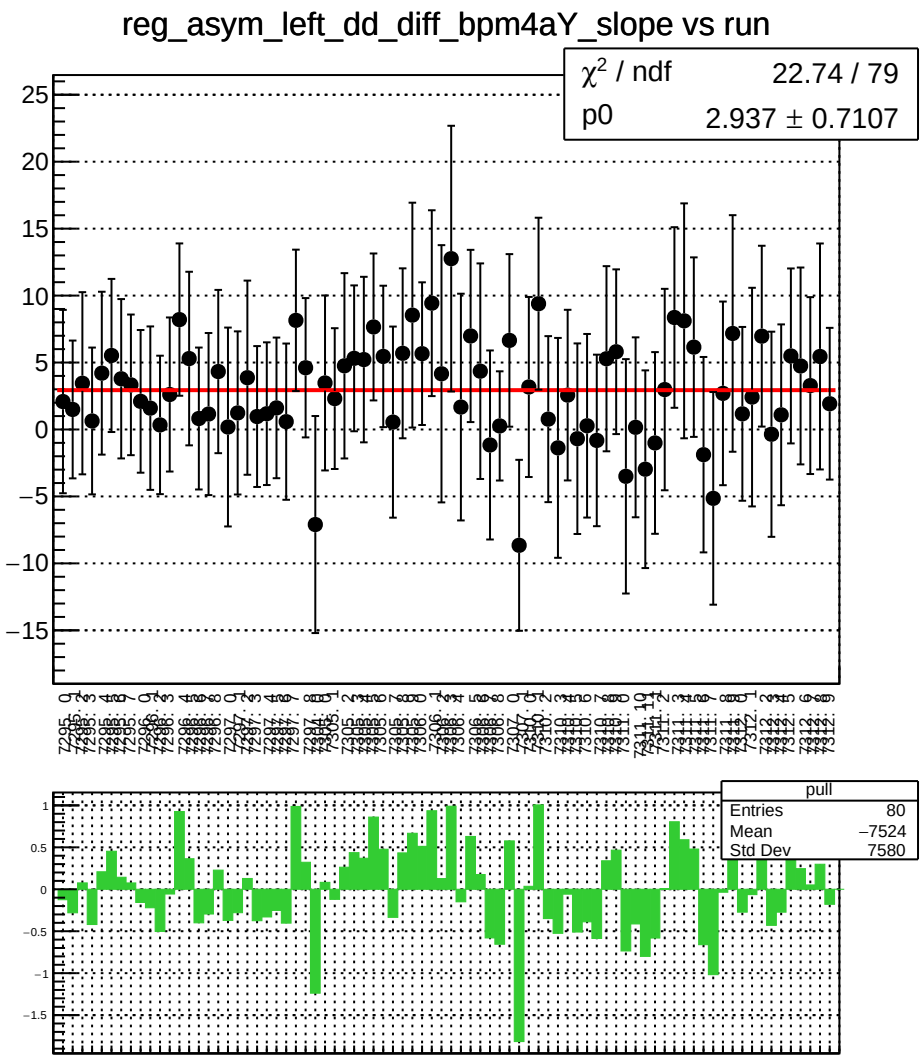

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.08 / 79
p0 6.701 ± 0.7631
pull
Entries 80
Mean 225.1
Std Dev 179.7

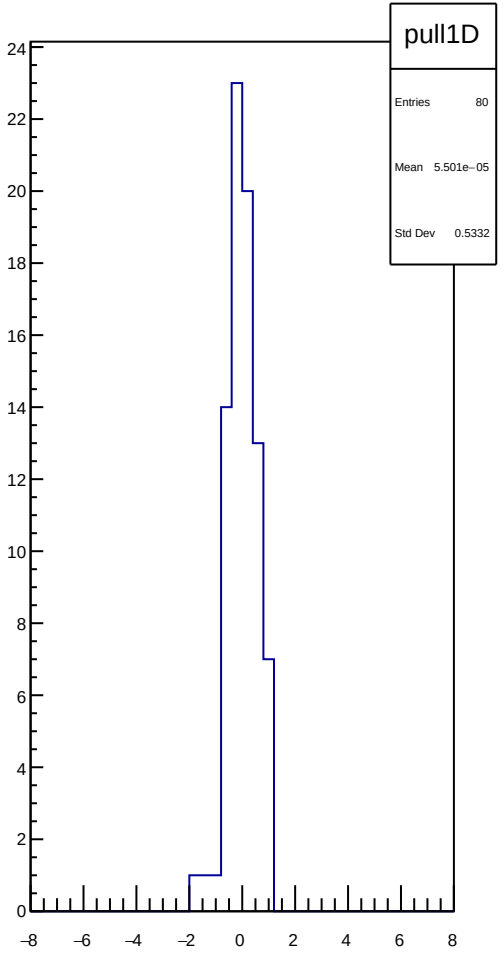

pull1D
Entries 80
Mean 0.00697
Std Dev 0.5371

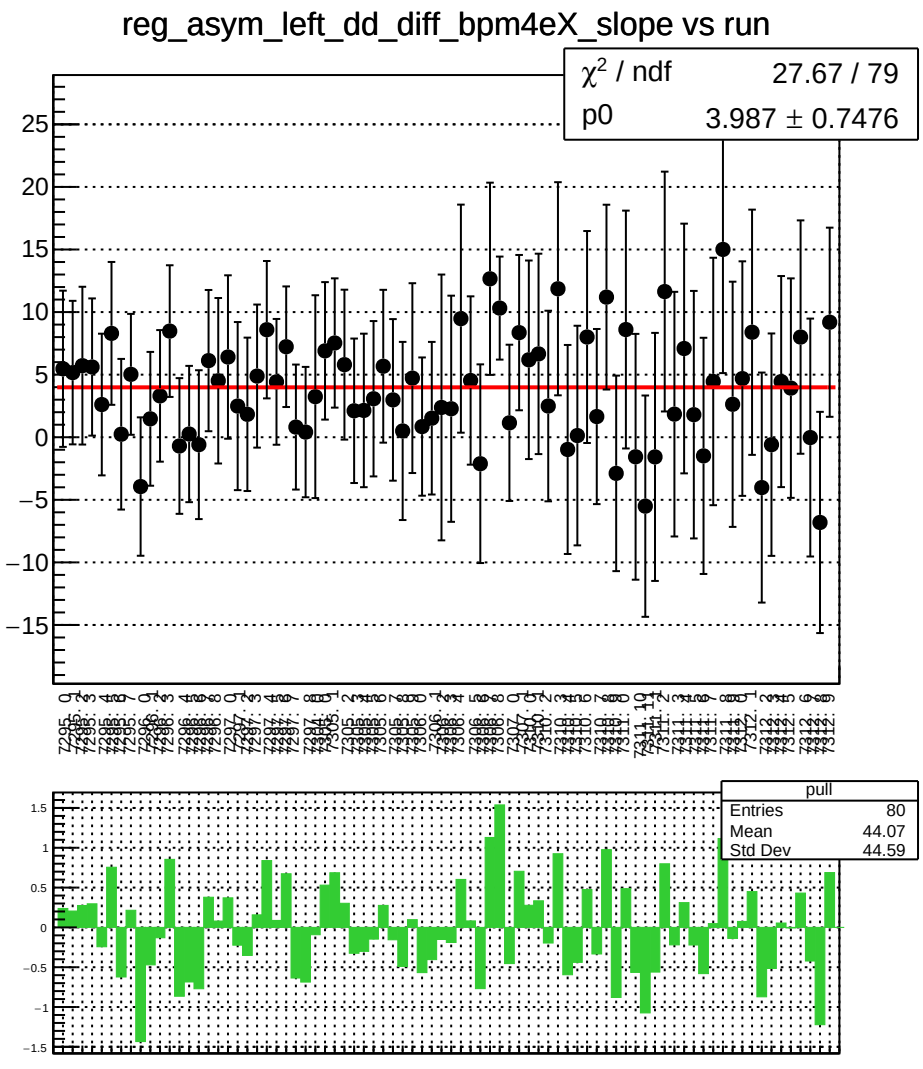

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 111.9 / 79
p0 −18.54 ± 0.03365
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −47.74
Std Dev 216.9
pull1D
Entries 80
Mean 0.003919
Std Dev 1.183

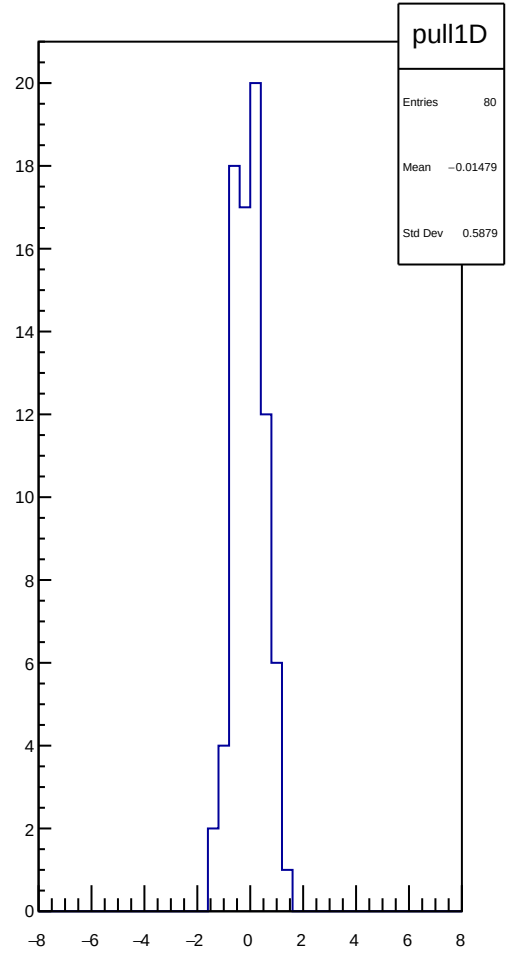

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 27.96 / 79
p0 −33.67 ± 0.7555
pull
Entries 80
Mean 75.61
Std Dev 22.11

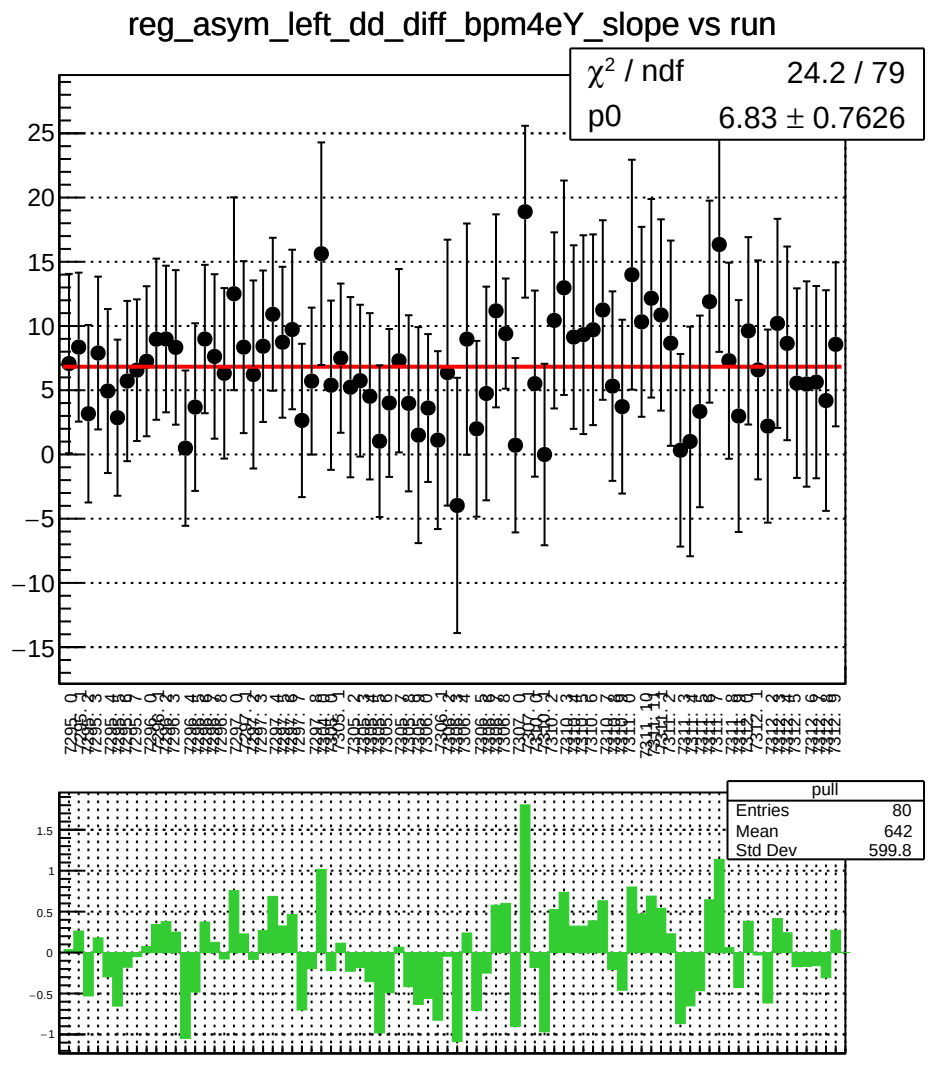

pull1D
Entries 80
Mean 0.02242
Std Dev 0.5907

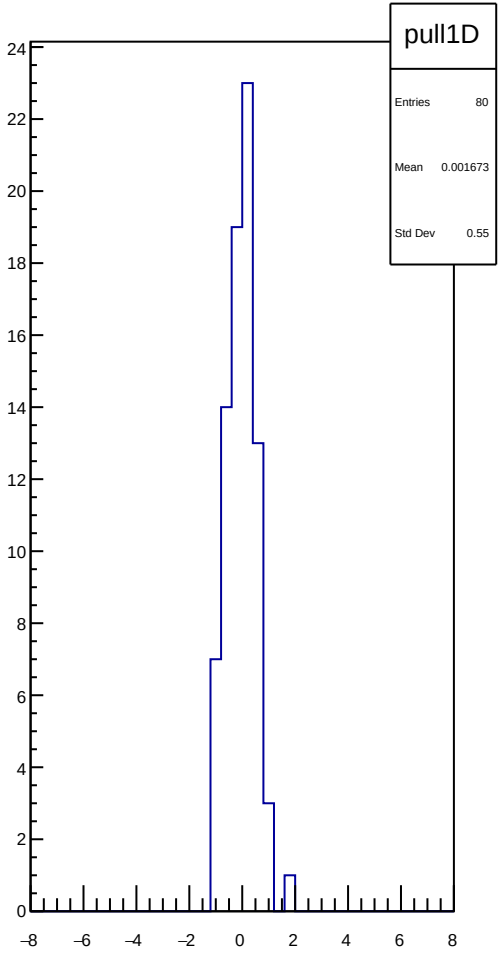

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.74 / 79
p0 2.937 ± 0.7107
pull
Entries 80
Mean −7524
Std Dev 7580

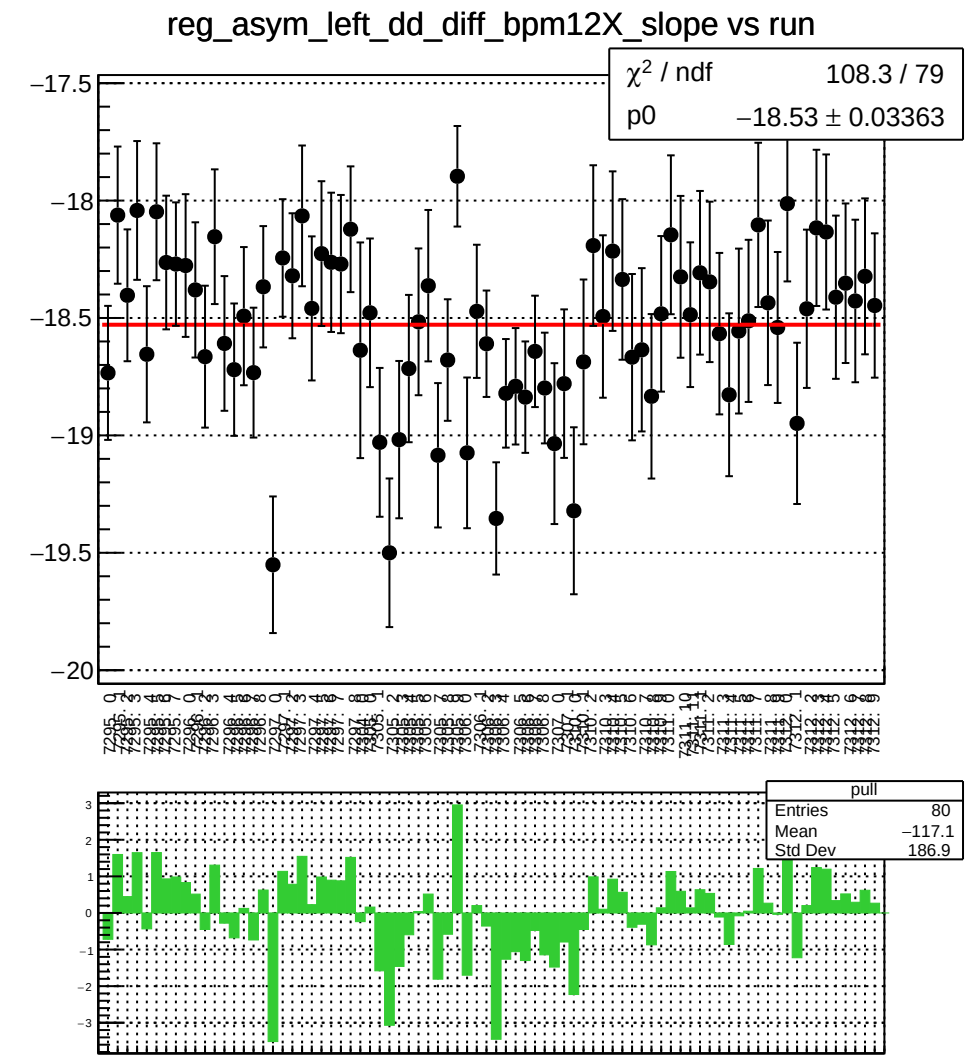

pull1D
Entries 80
Mean 5.501e−05
Std Dev 0.5332

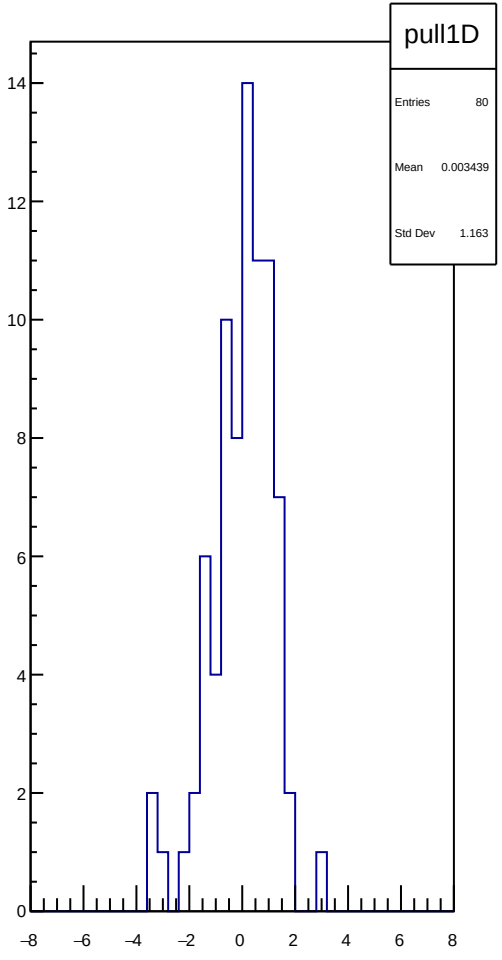

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.67 / 79
p0 3.987 ± 0.7476
pull
Entries 80
Mean 44.07
Std Dev 44.59

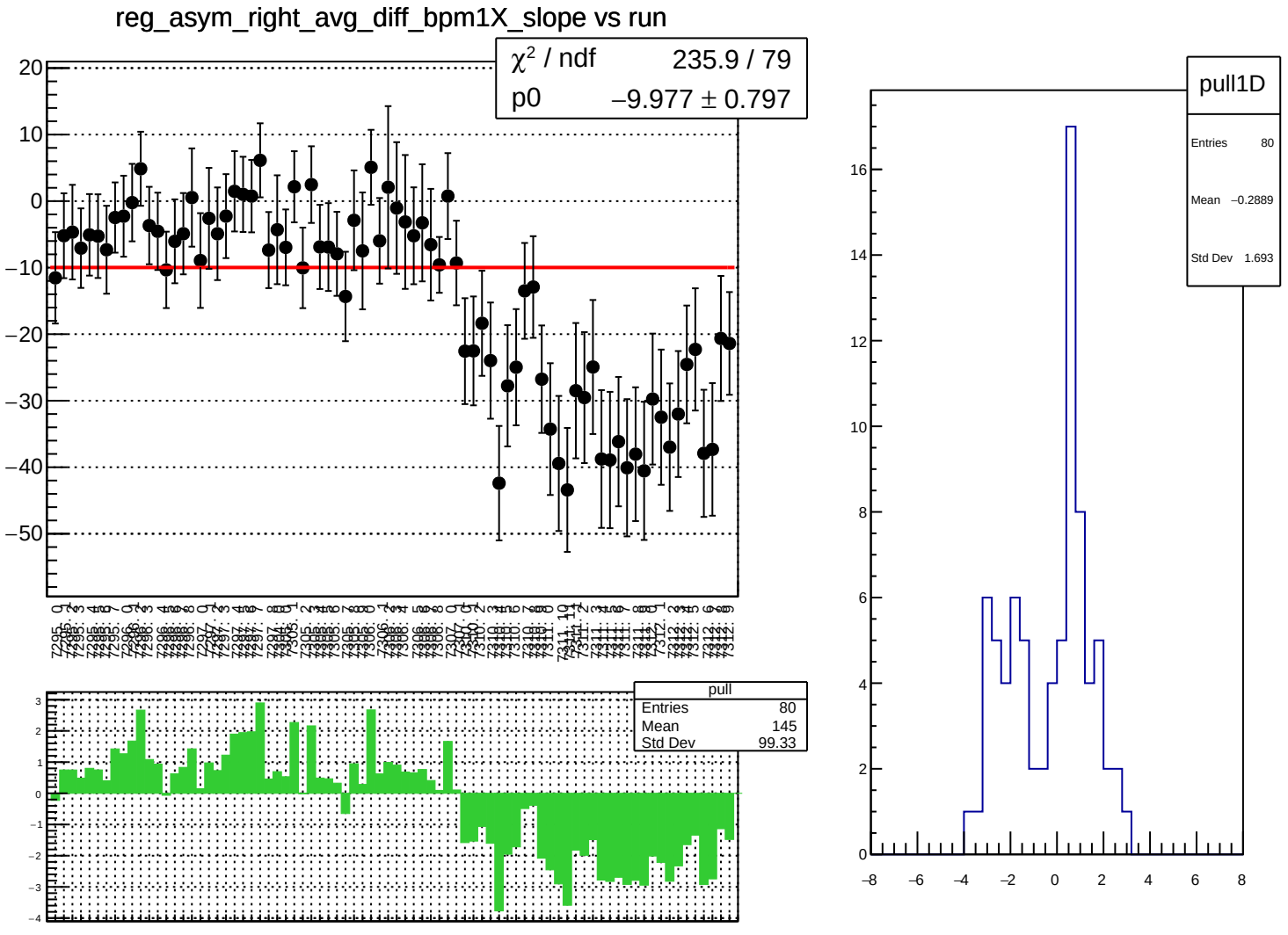

pull1D
Entries 80
Mean −0.01479
Std Dev 0.5879

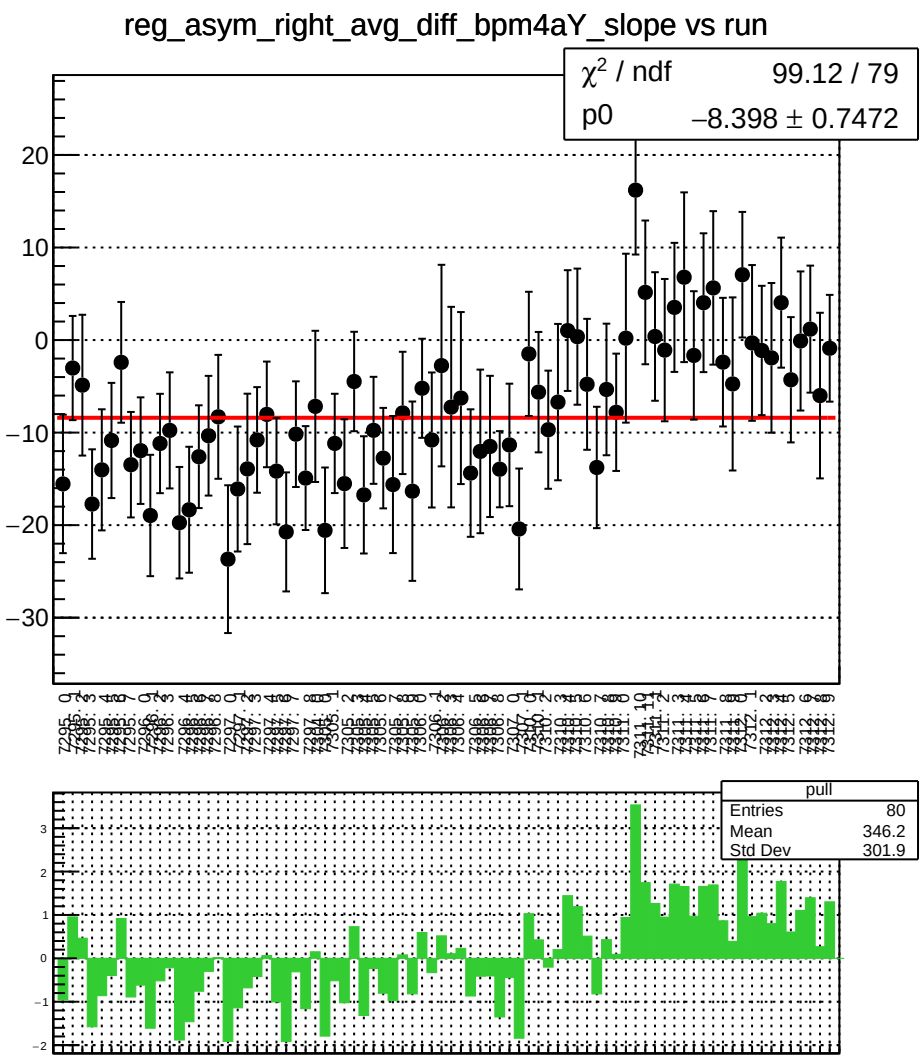

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.2 / 79
p0 6.83 ± 0.7626
pull
Entries 80
Mean 642
Std Dev 599.8

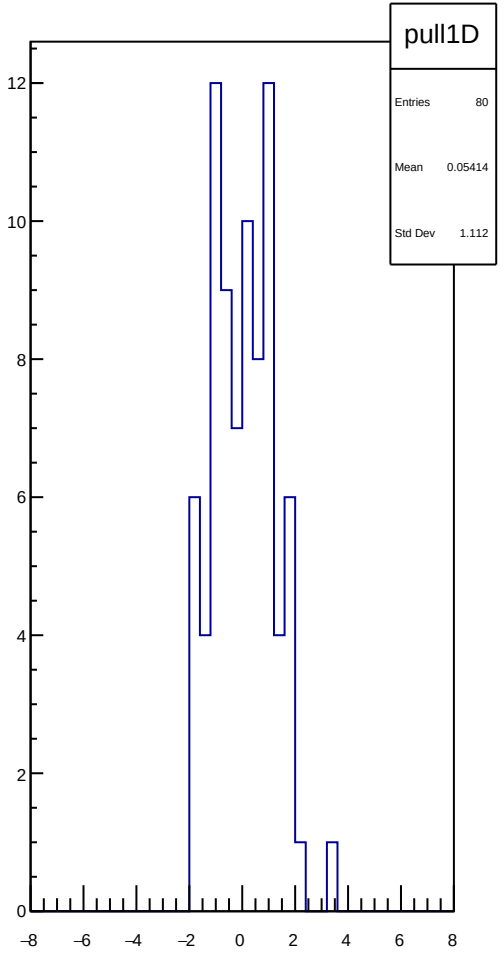

pull1D
Entries 80
Mean 0.001673
Std Dev 0.55

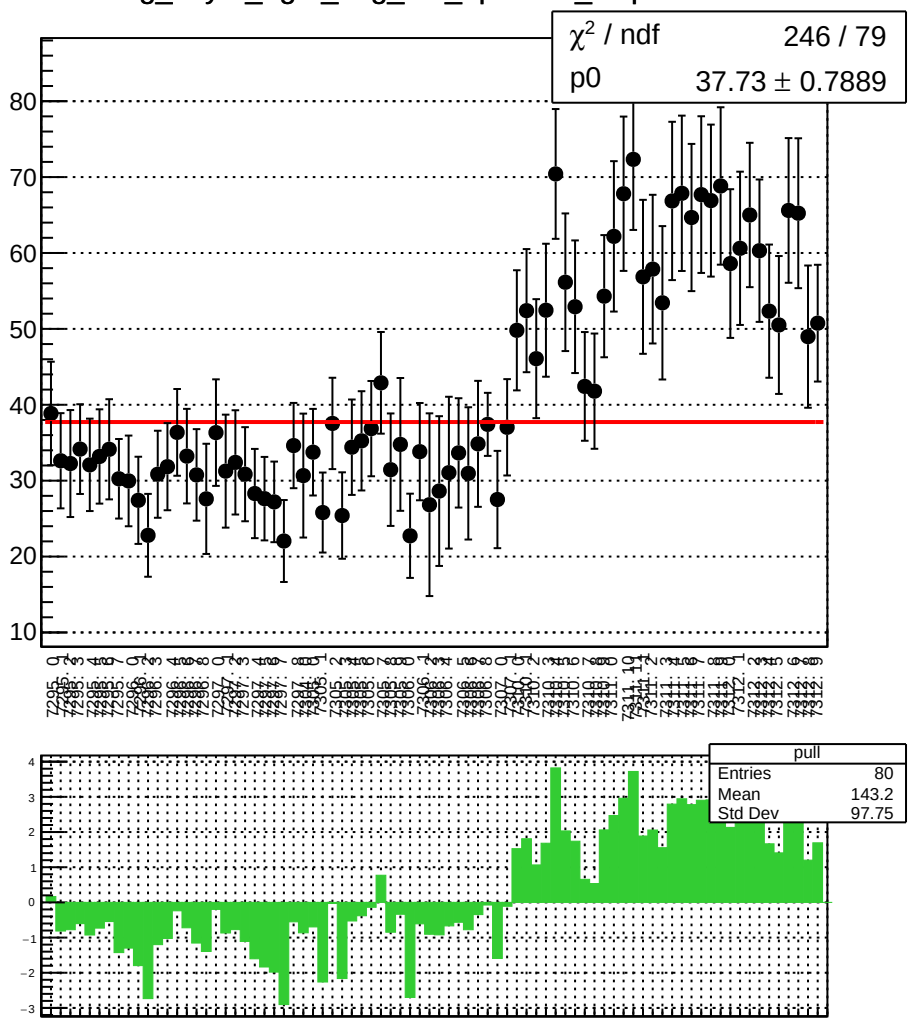

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 108.3 / 79
p0 −18.53 ± 0.03363
pull
Entries 80
Mean −117.1
Std Dev 186.9

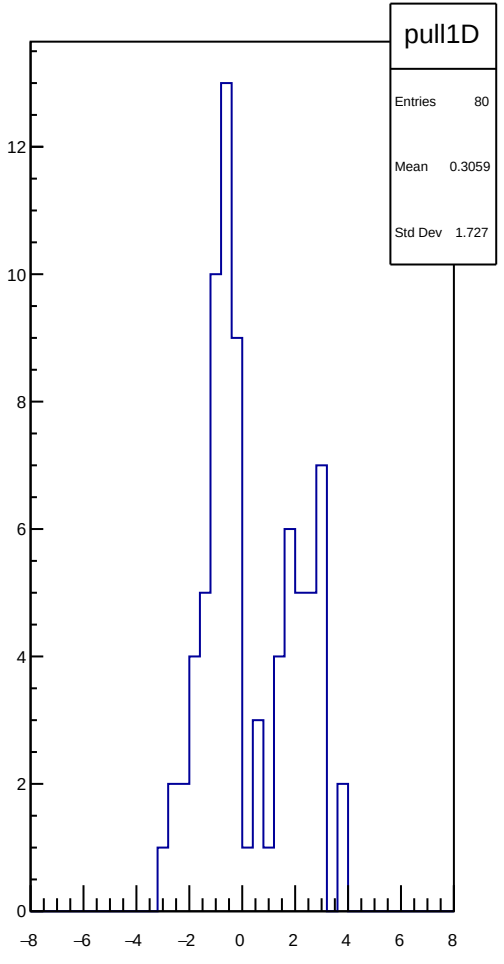

pull1D
Entries 80
Mean 0.003439
Std Dev 1.163

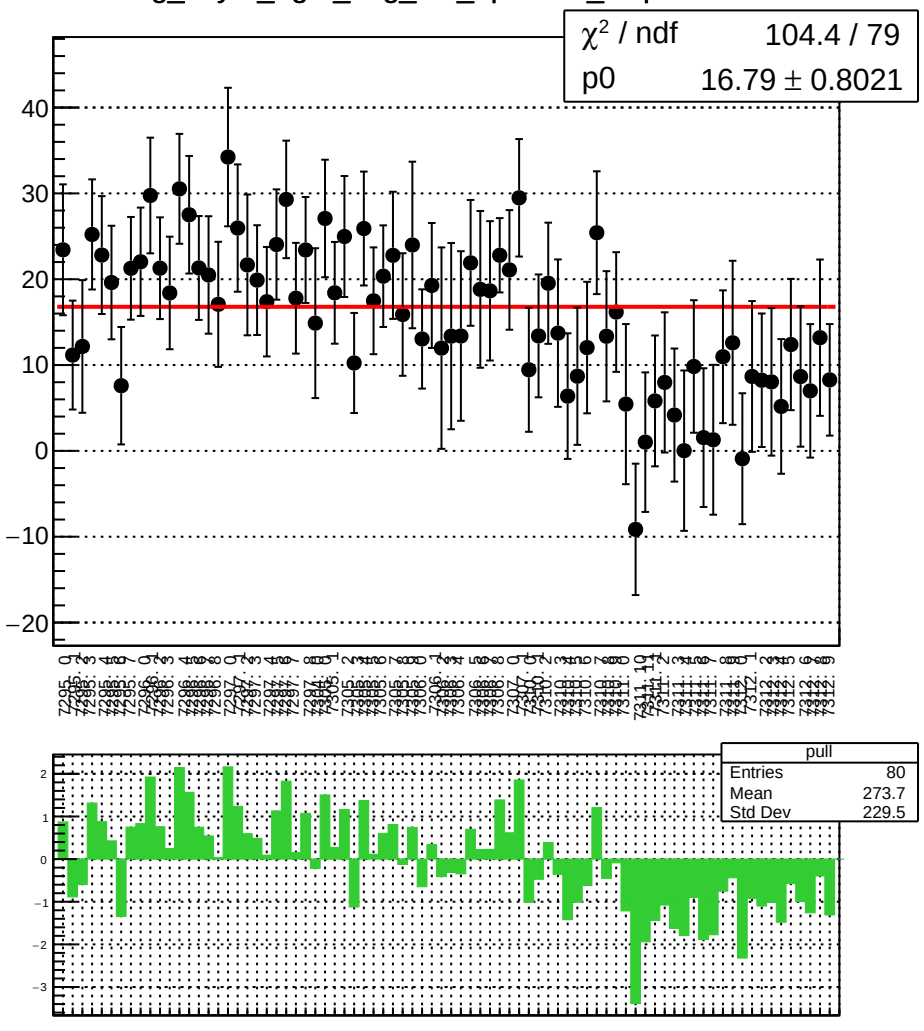

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 235.9 / 79
p0 −9.977 ± 0.797
pull
Entries 80
Mean 145
Std Dev 99.33
pull1D
Entries 80
Mean −0.2889
Std Dev 1.693

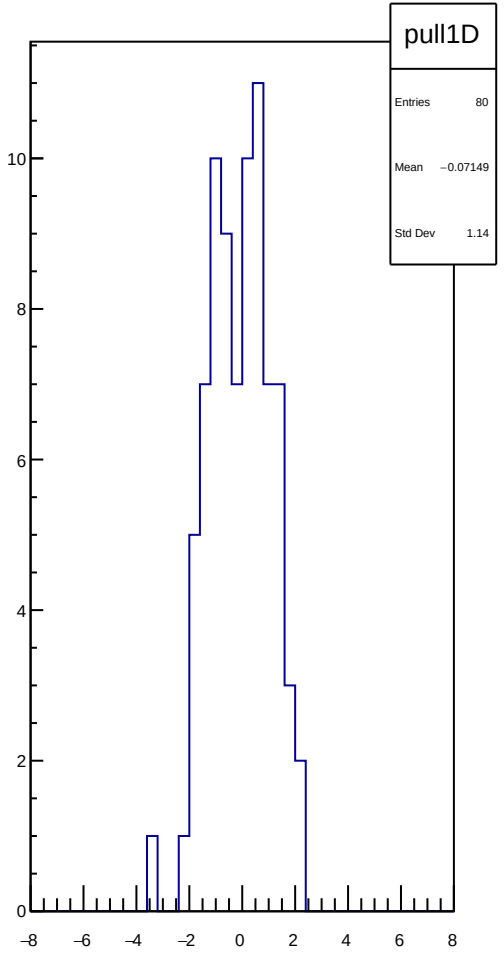

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.12 / 79
p0 −8.398 ± 0.7472
pull
Entries 80
Mean 346.2
Std Dev 301.9

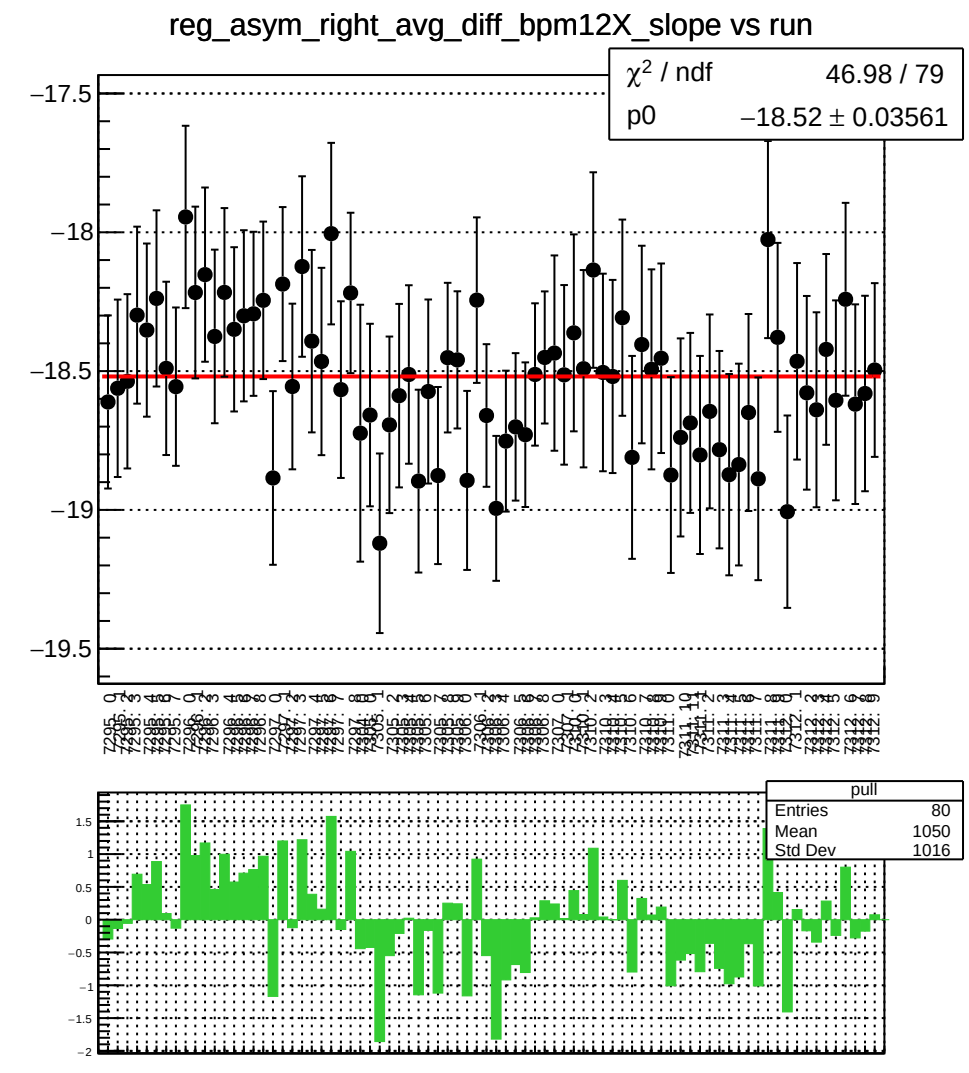

pull1D
Entries 80
Mean 0.05414
Std Dev 1.112

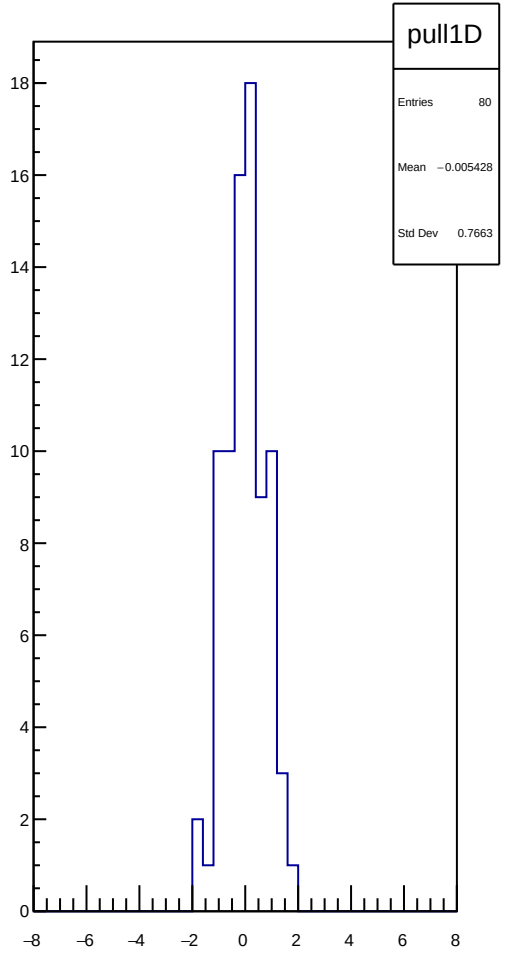

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 246 / 79
p0 37.73 ± 0.7889
pull
Entries 80
Mean 143.2
Std Dev 97.75

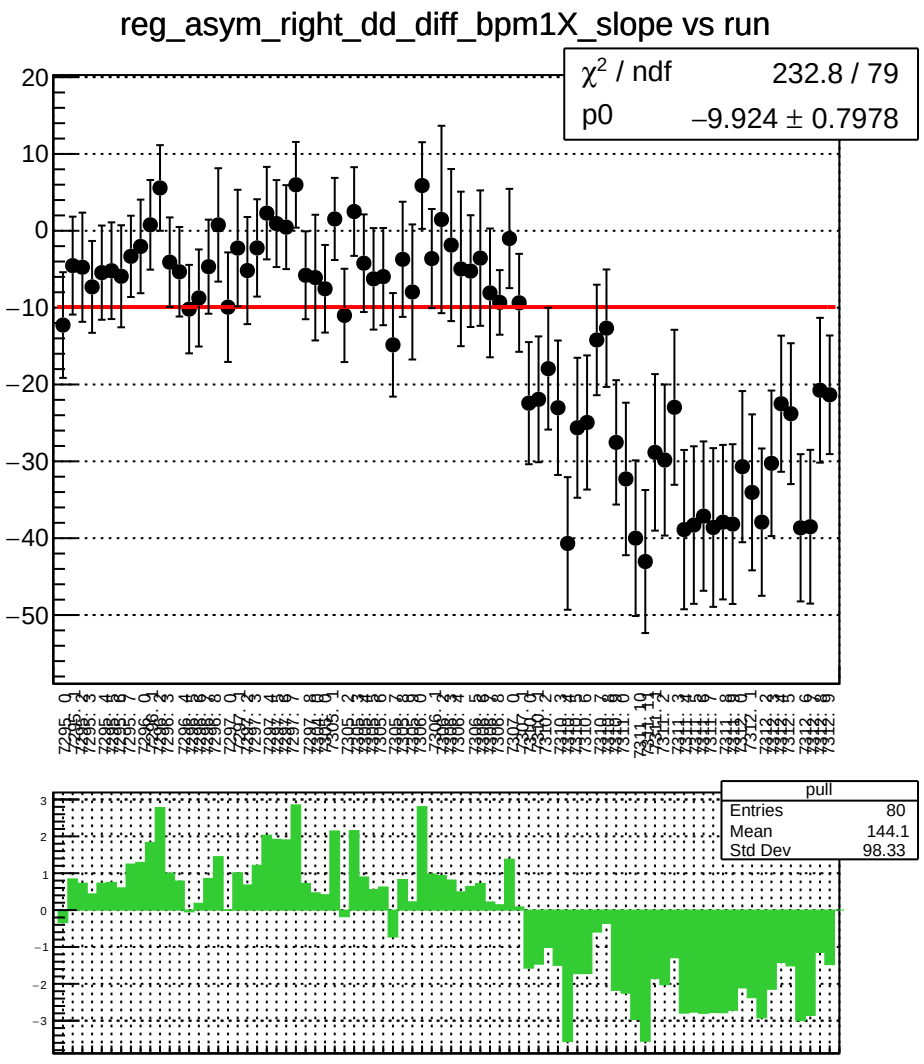

pull1D
Entries 80
Mean 0.3059
Std Dev 1.727

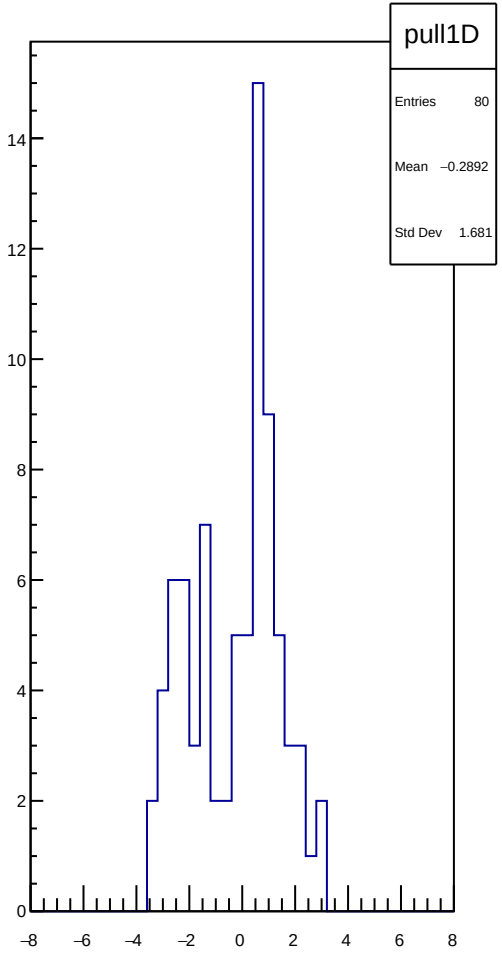

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.4 / 79
p0 16.79 ± 0.8021
pull
Entries 80
Mean 273.7
Std Dev 229.5

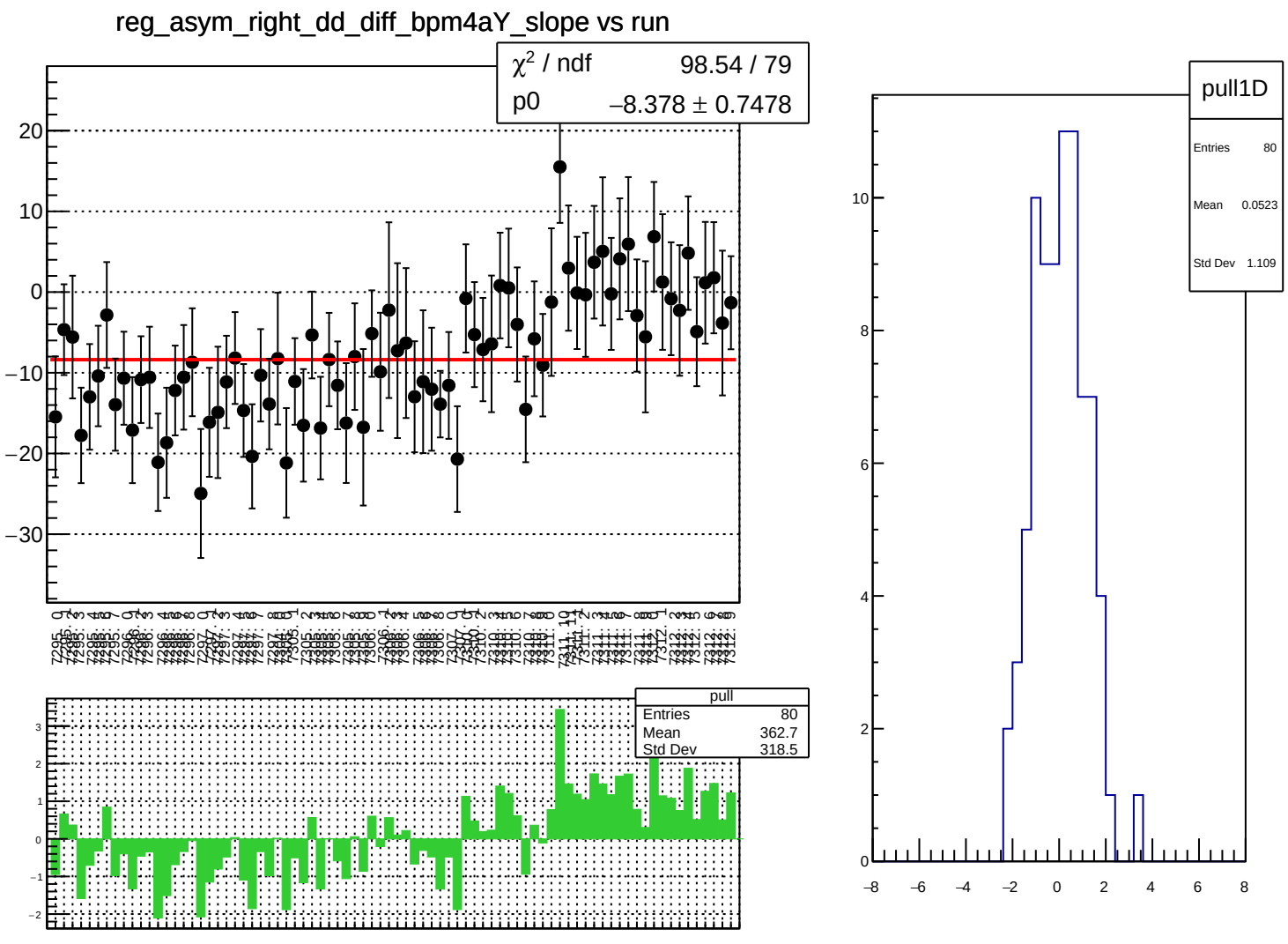

pull1D
Entries 80
Mean −0.07149
Std Dev 1.14

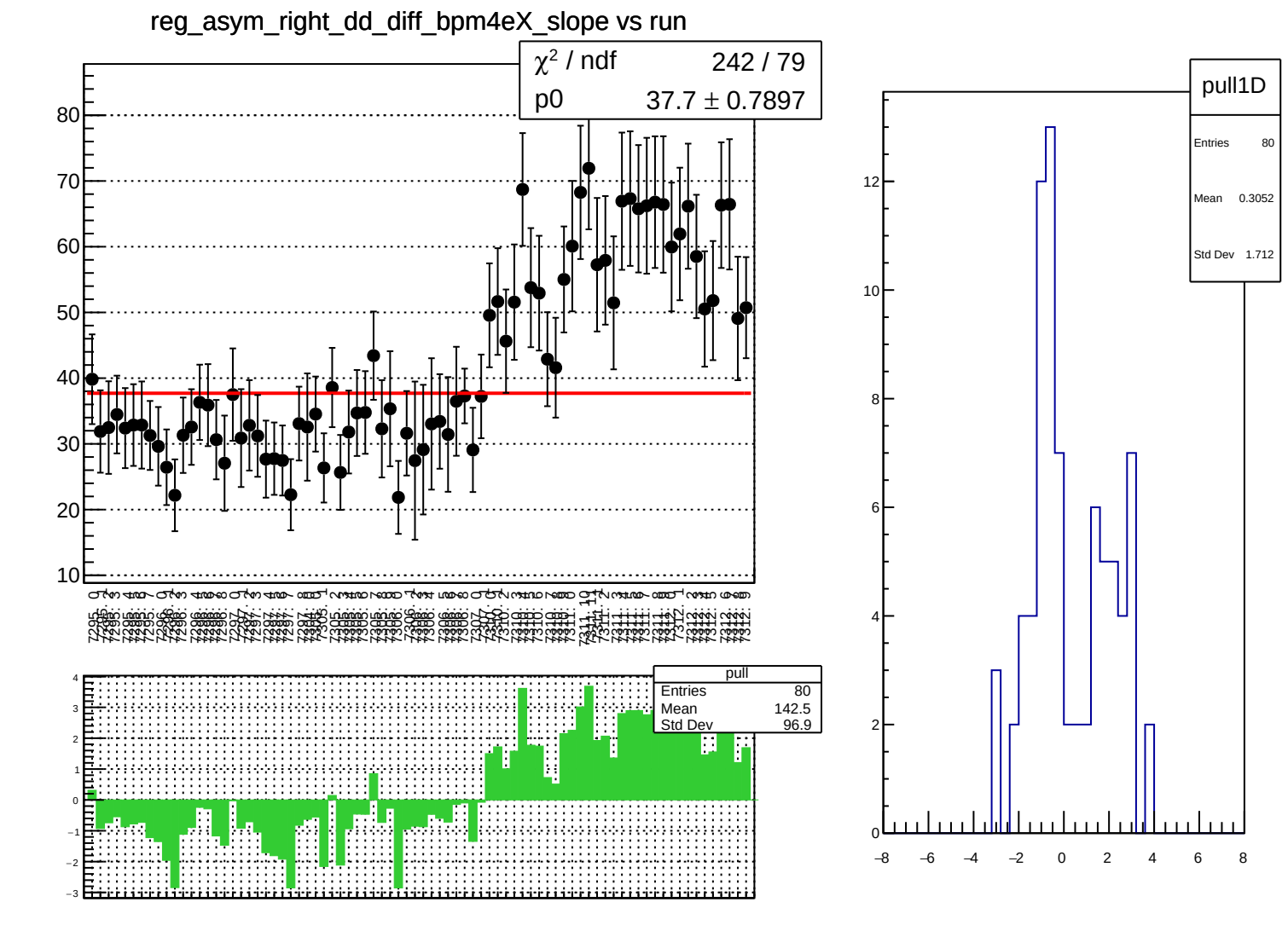

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 46.98 / 79
p0 −18.52 ± 0.03561
−17.5
−18
−18.5
−19
−19.5
pull
Entries 80
Mean 1050
Std Dev 1016
1.5
1
0.5
0
−0.5
−1
−1.5
−2

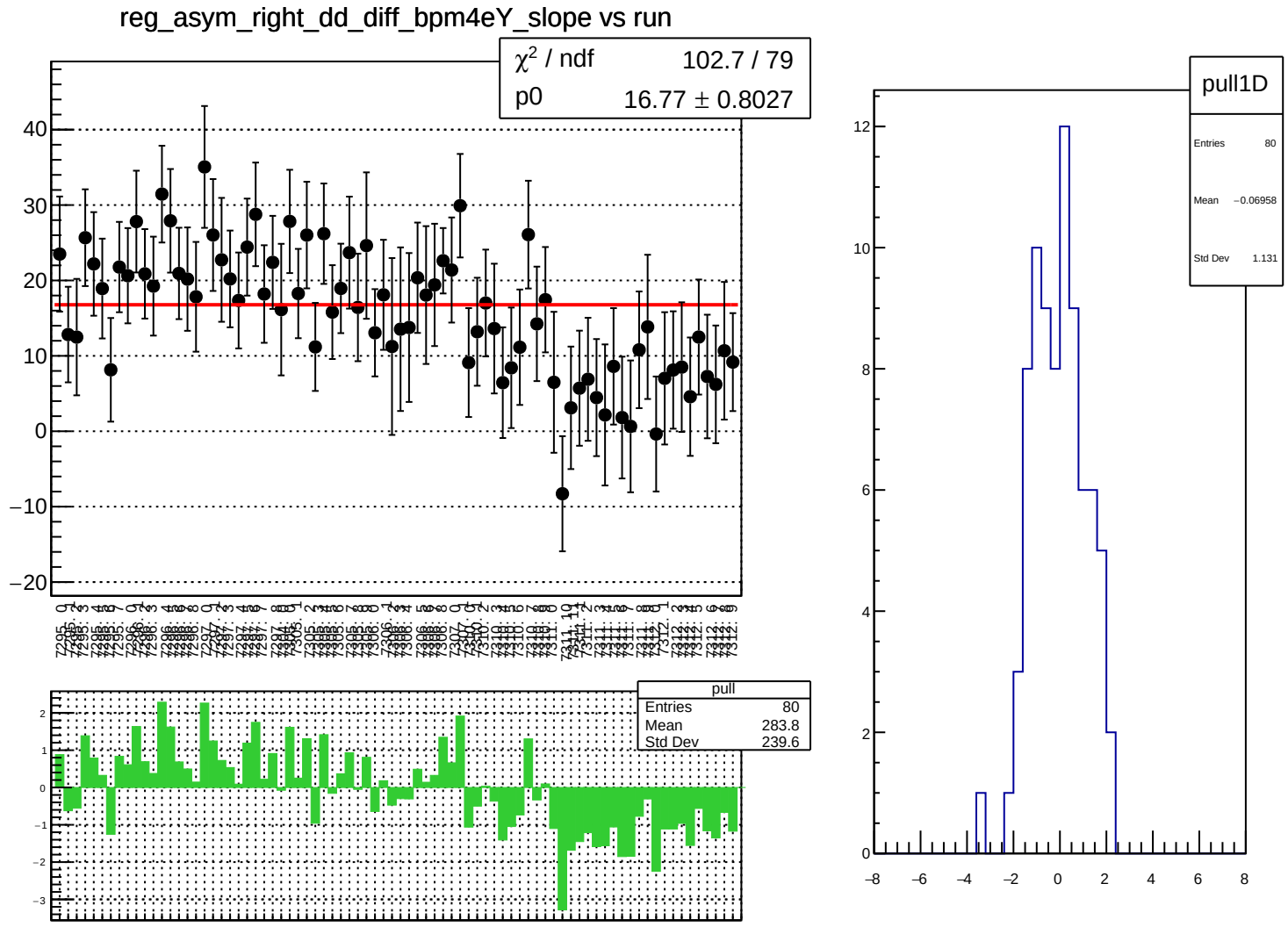

pull1D
Entries 80
Mean −0.005428
Std Dev 0.7663
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

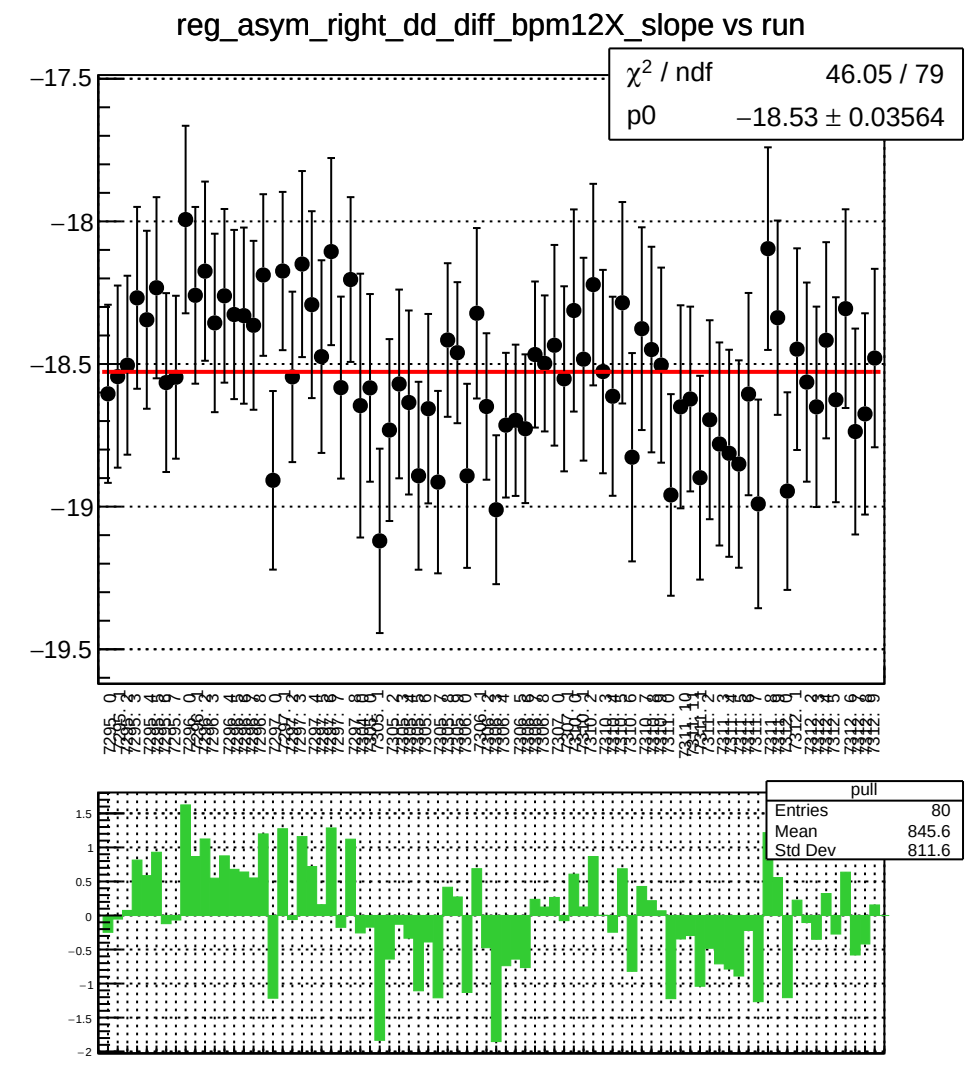

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 232.8 / 79
p0 −9.924 ± 0.7978
pull
Entries 80
Mean 144.1
Std Dev 98.33

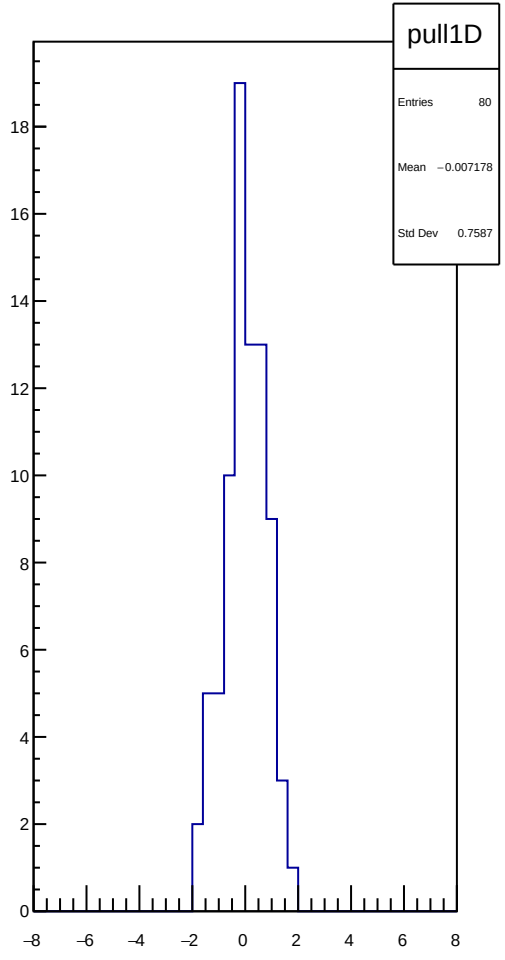

pull1D
Entries 80
Mean −0.2892
Std Dev 1.681

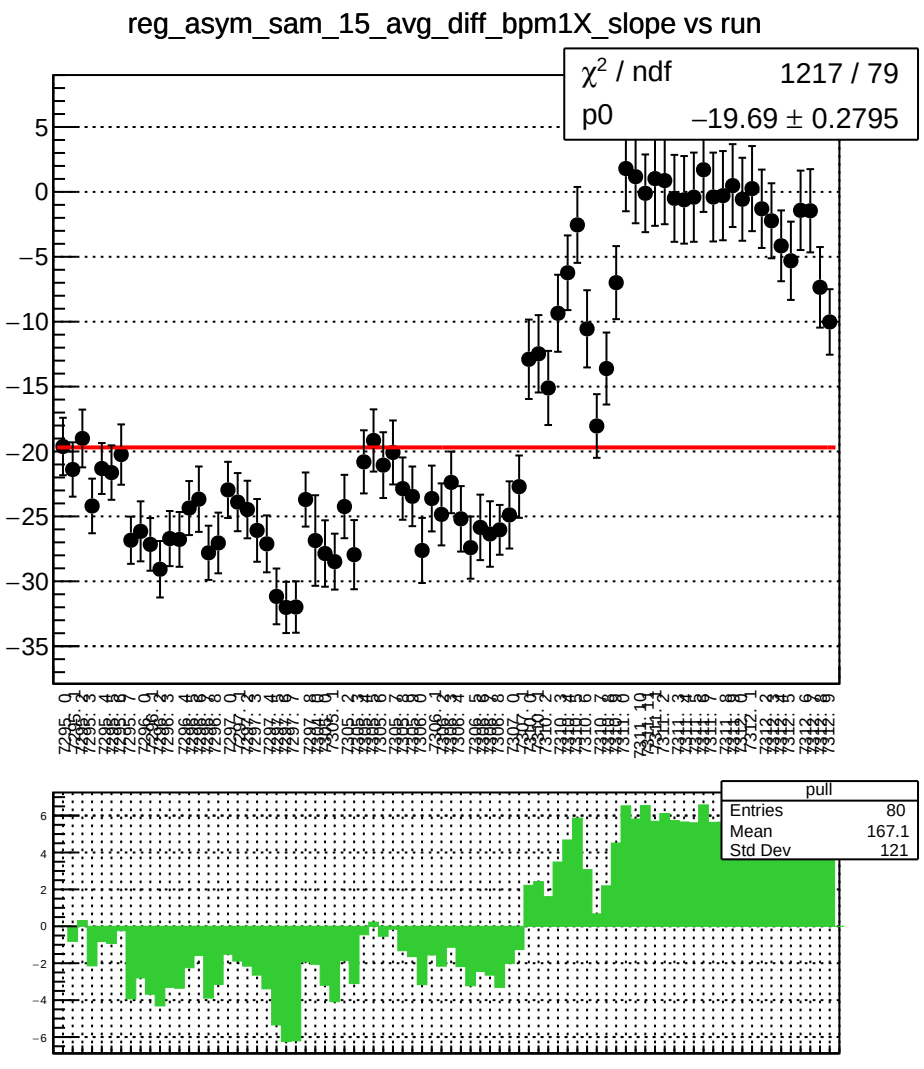

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.54 / 79
p0 −8.378 ± 0.7478
pull
Entries 80
Mean 362.7
Std Dev 318.5
pull1D
Entries 80
Mean 0.0523
Std Dev 1.109

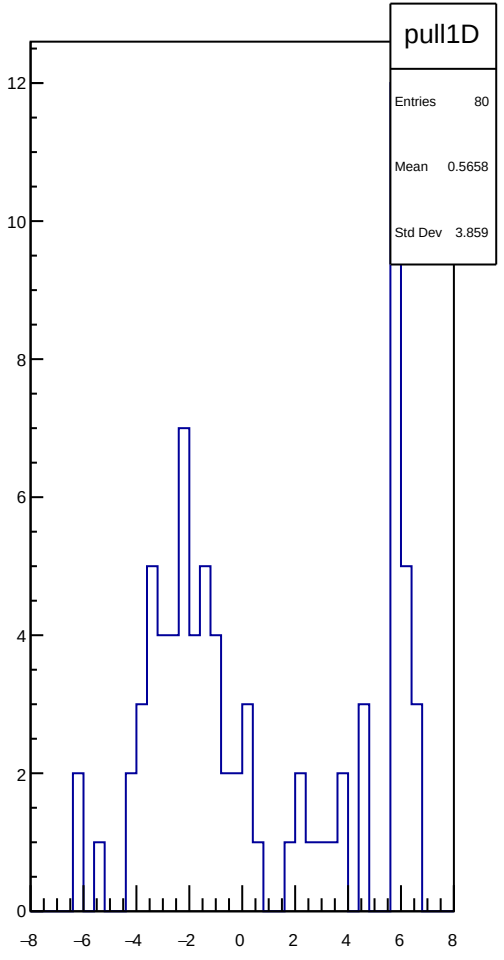

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 242 / 79
p0 37.7 ± 0.7897
pull
Entries 80
Mean 142.5
Std Dev 96.9
pull1D
Entries 80
Mean 0.3052
Std Dev 1.712

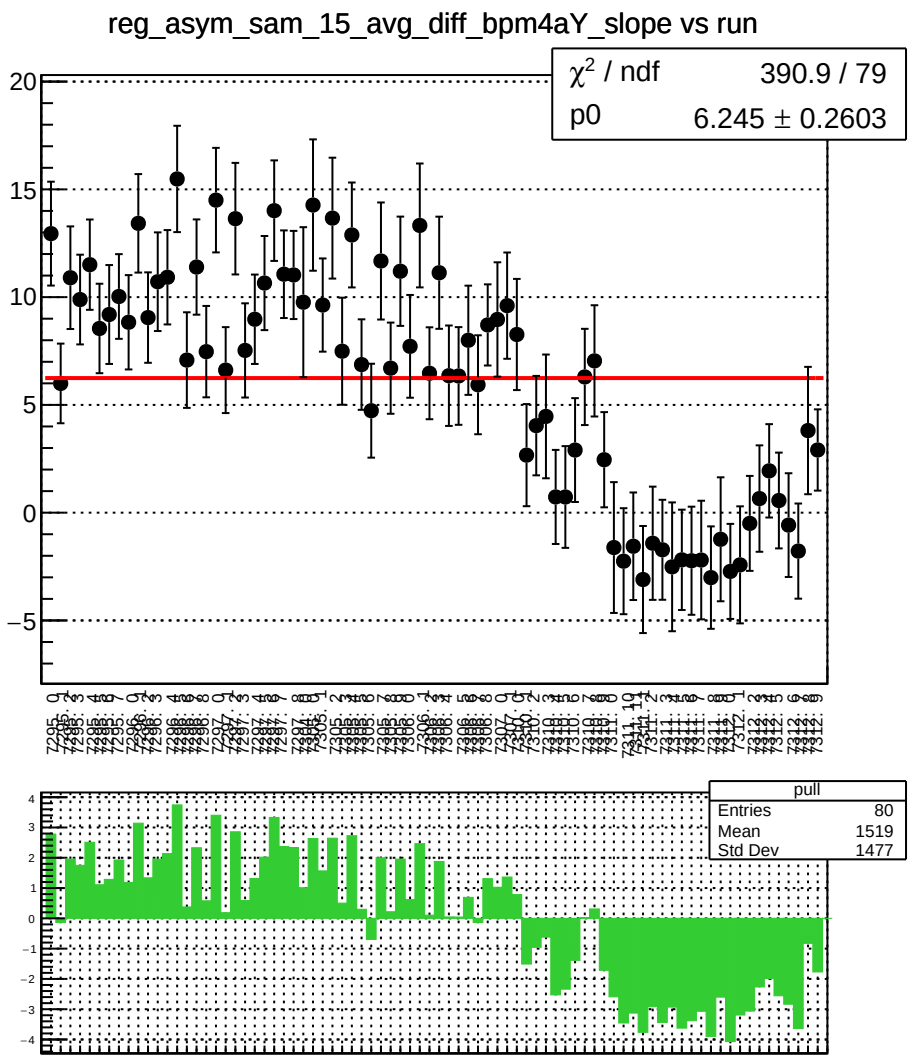

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.7 / 79
p0 16.77 ± 0.8027
pull
Entries 80
Mean 283.8
Std Dev 239.6
pull1D
Entries 80
Mean −0.06958
Std Dev 1.131

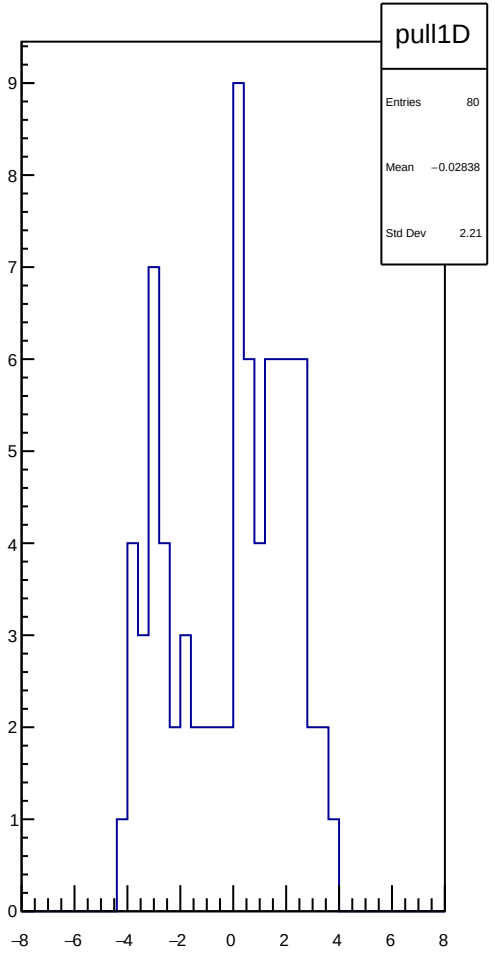

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 46.05 / 79
p0 −18.53 ± 0.03564
−17.5
−18
−18.5
−19
−19.5
pull
Entries 80
Mean 845.6
Std Dev 811.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

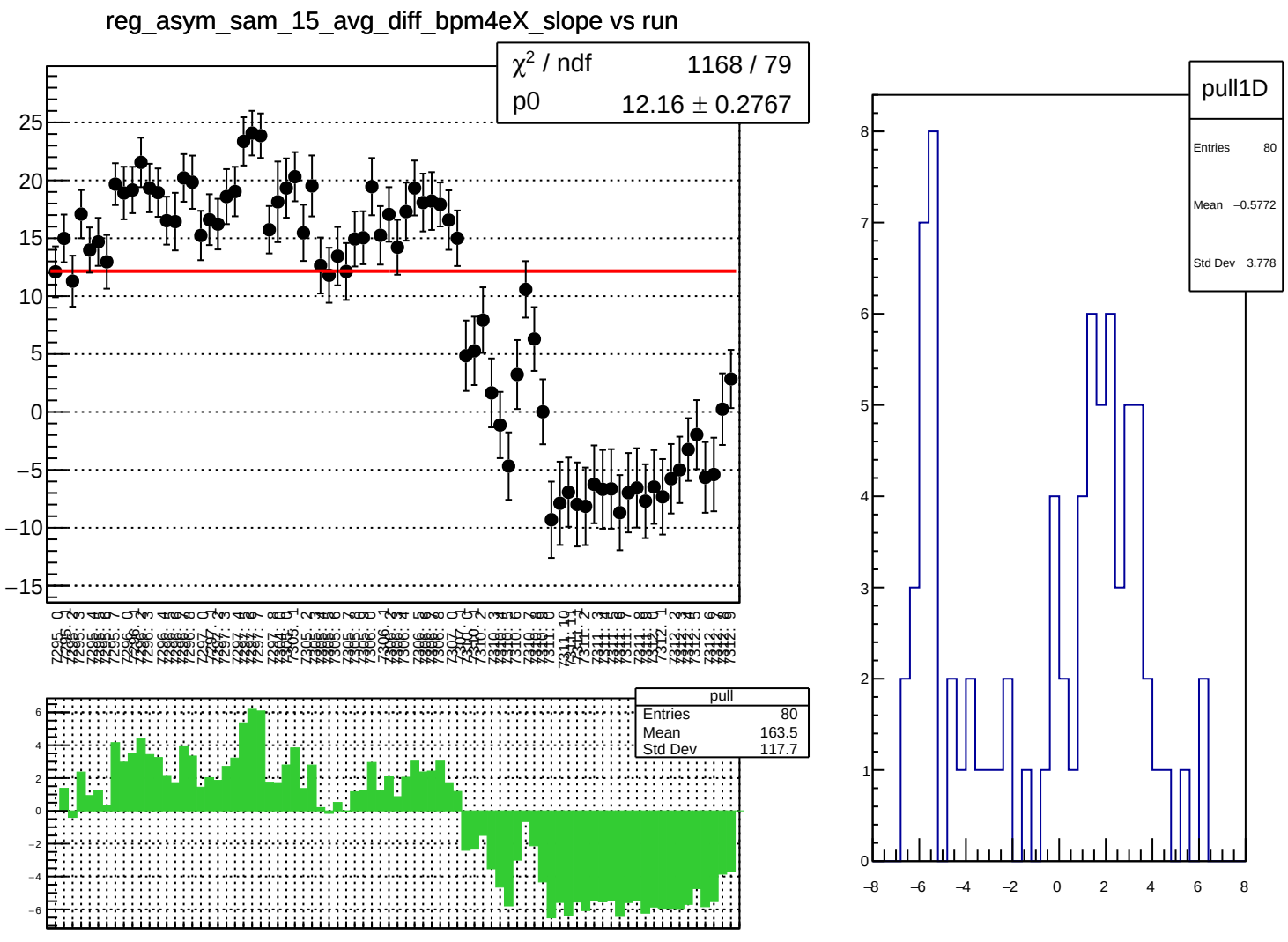

pull1D
Entries 80
Mean −0.007178
Std Dev 0.7587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

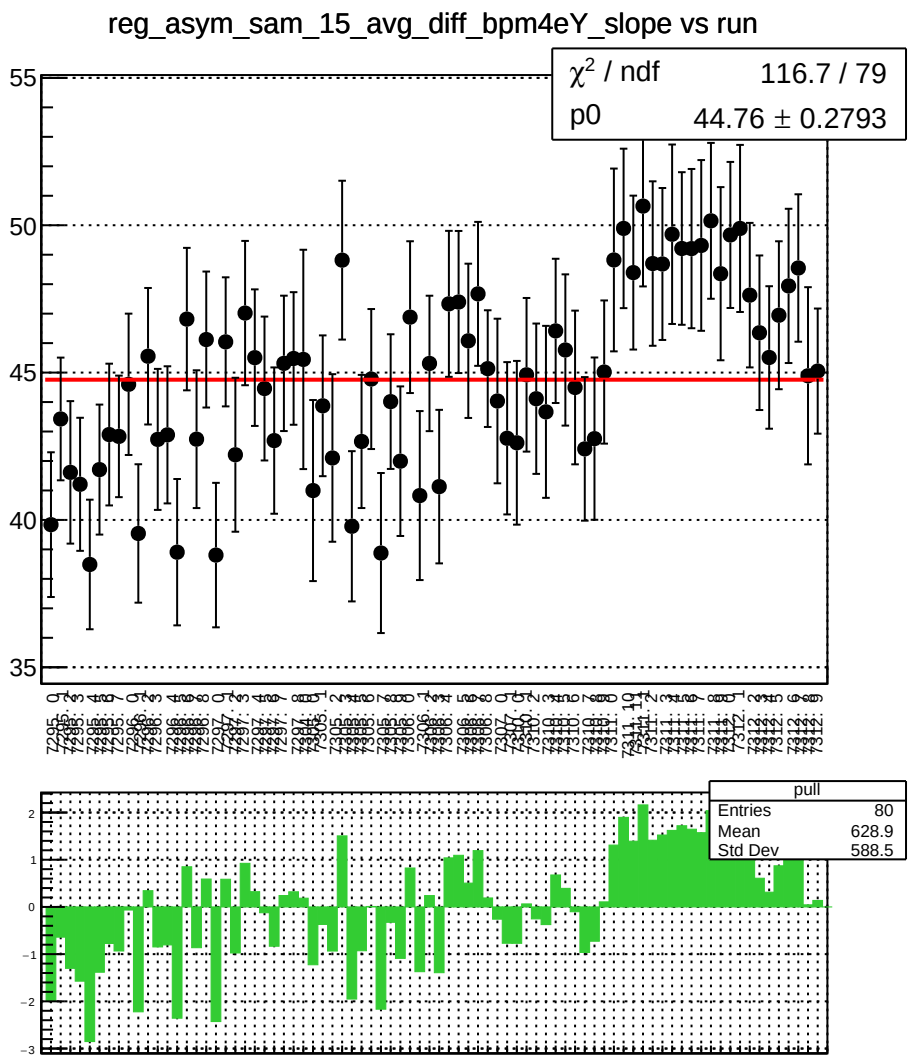

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 1217 / 79
p0 −19.69 ± 0.2795
pull
Entries 80
Mean 167.1
Std Dev 121

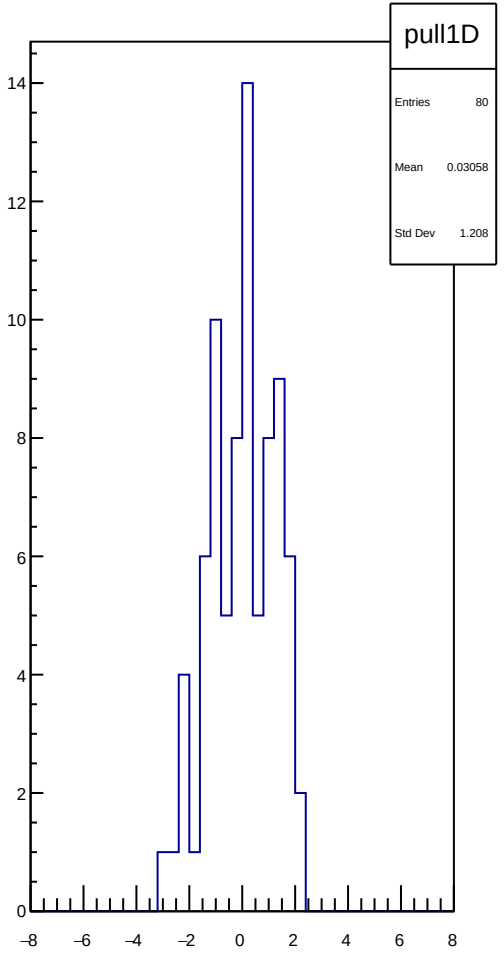

pull1D
Entries 80
Mean 0.5658
Std Dev 3.859

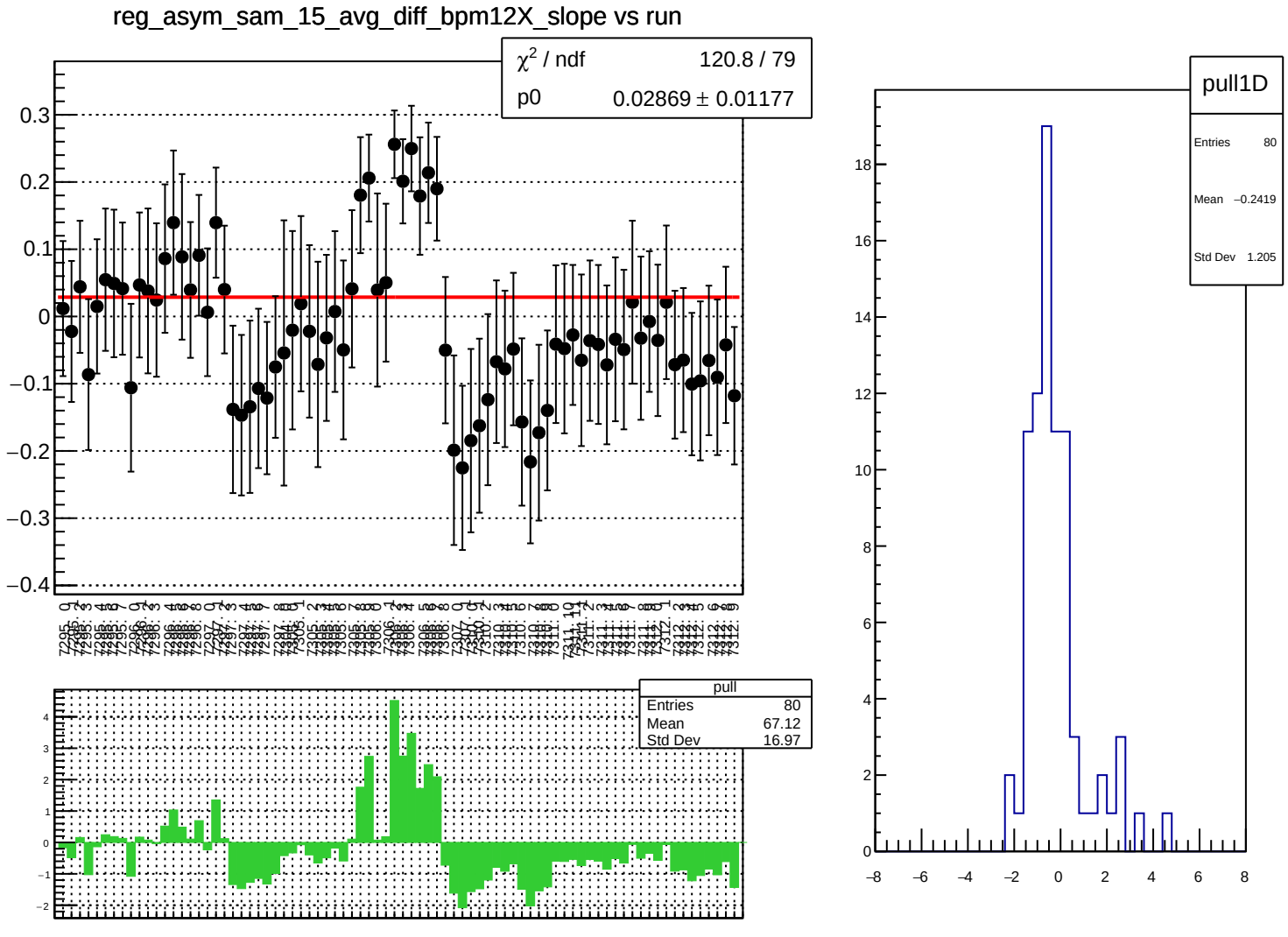

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 390.9 / 79
p0 6.245 ± 0.2603
pull
Entries 80
Mean 1519
Std Dev 1477

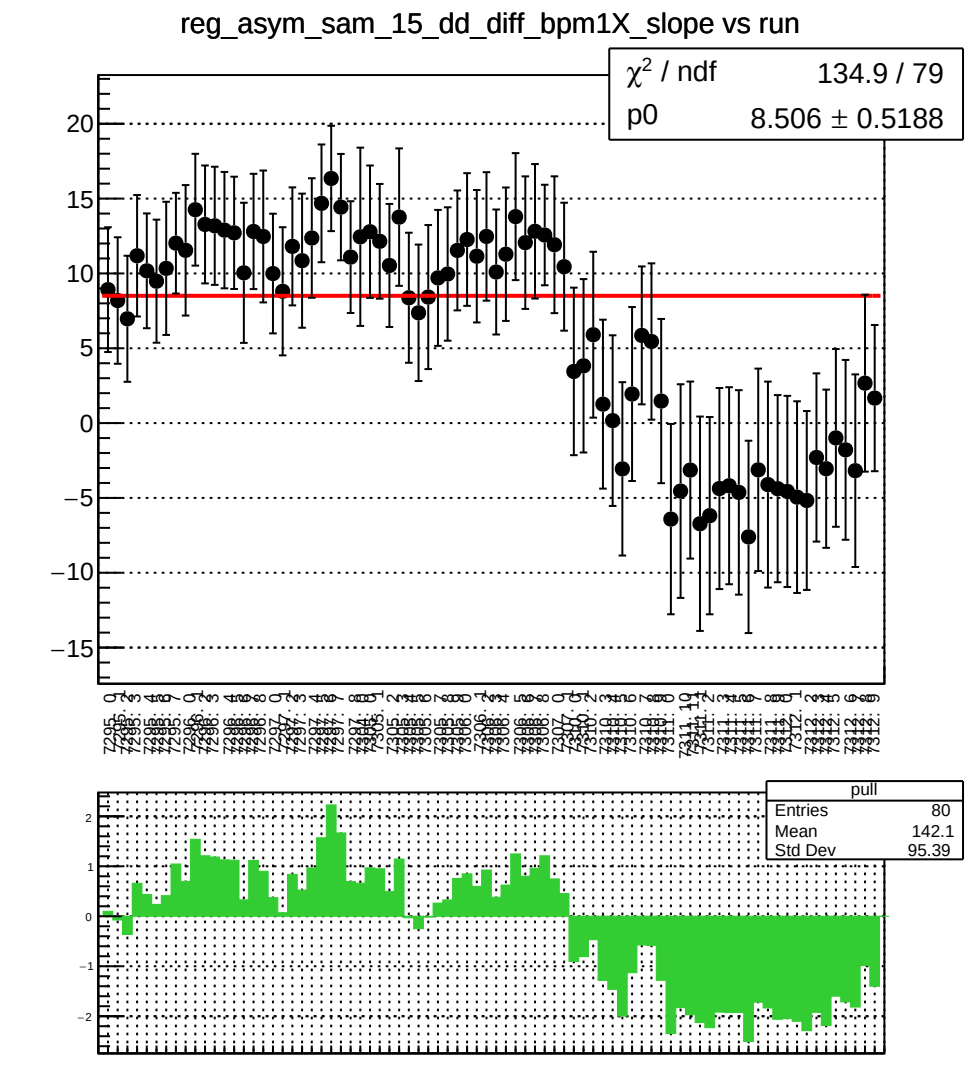

pull1D
Entries 80
Mean −0.02838
Std Dev 2.21

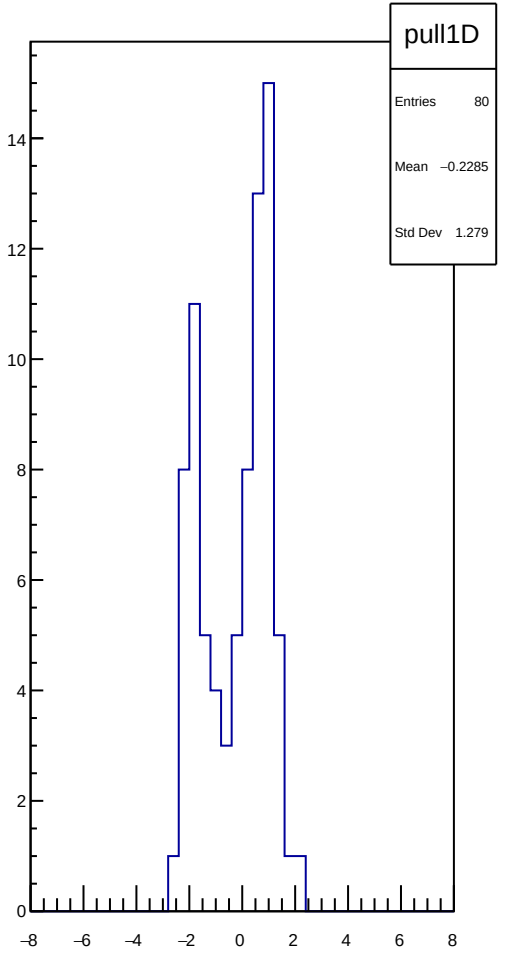

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1168 / 79
p0 12.16 ± 0.2767
pull
Entries 80
Mean 163.5
Std Dev 117.7
pull1D
Entries 80
Mean −0.5772
Std Dev 3.778

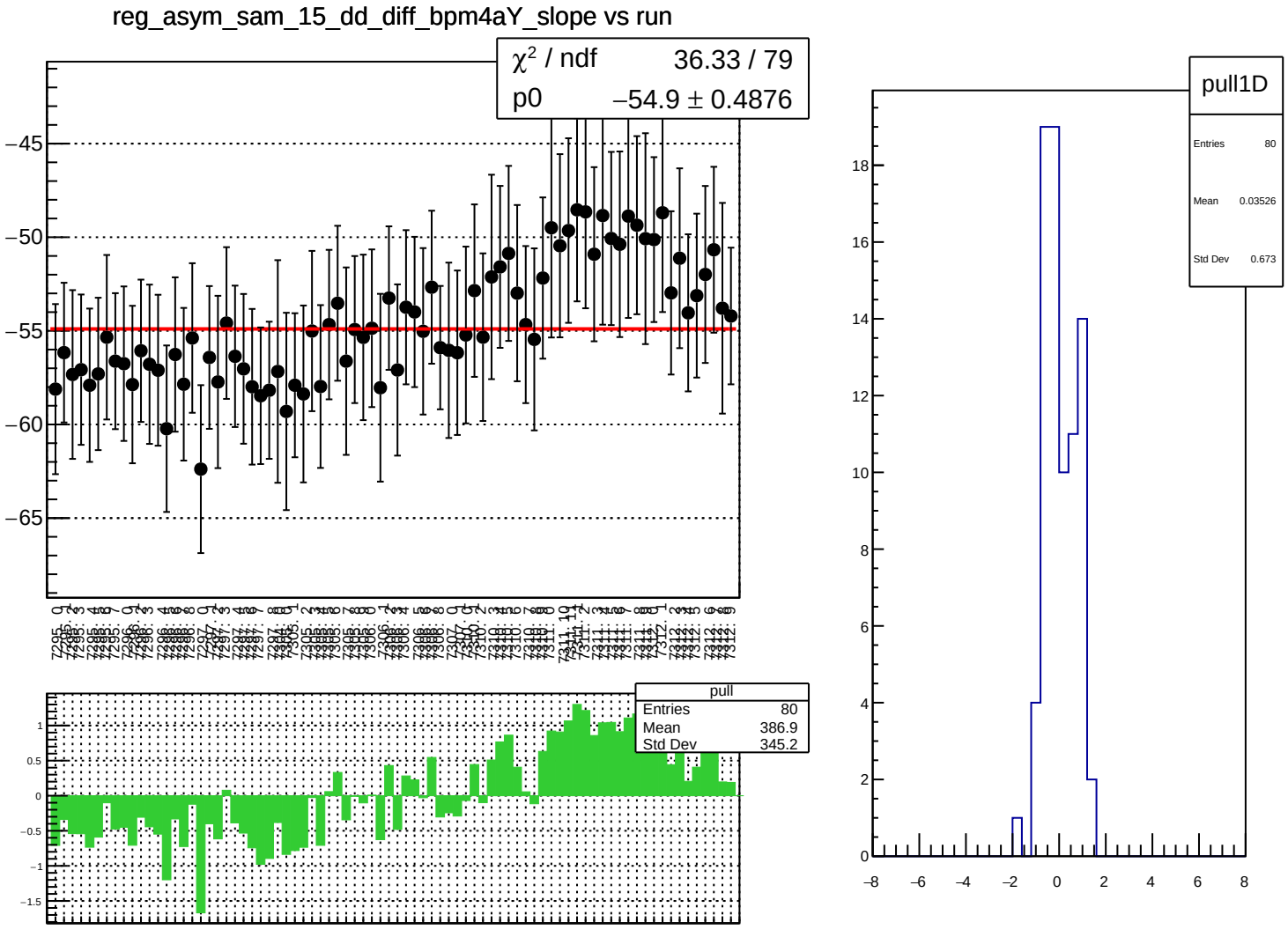

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.7 / 79
p0 44.76 ± 0.2793
pull
Entries 80
Mean 628.9
Std Dev 588.5

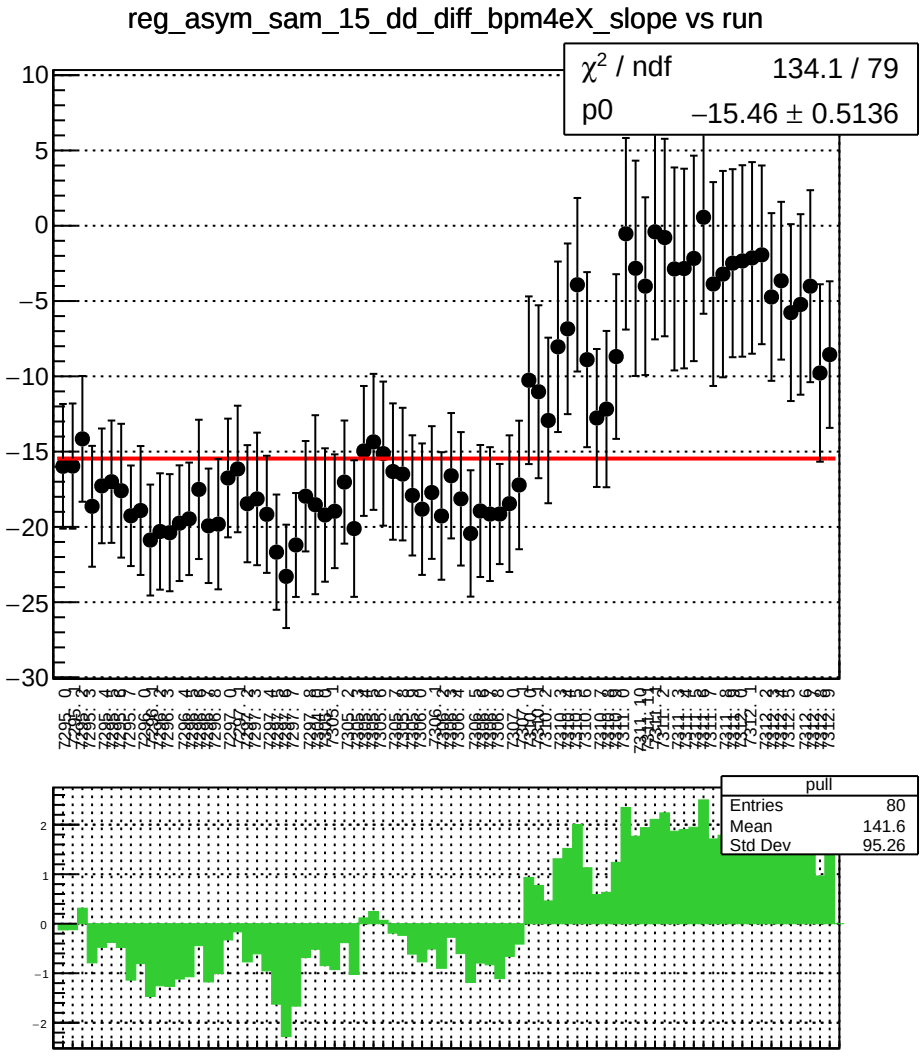

pull1D
Entries 80
Mean 0.03058
Std Dev 1.208

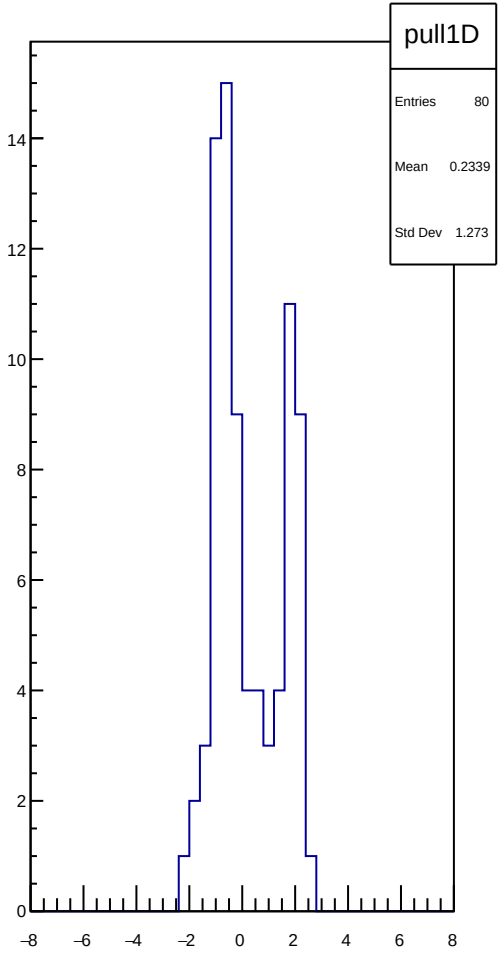

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 120.8 / 79
p0 0.02869 ± 0.01177
pull
Entries 80
Mean 67.12
Std Dev 16.97
pull1D
Entries 80
Mean −0.2419
Std Dev 1.205

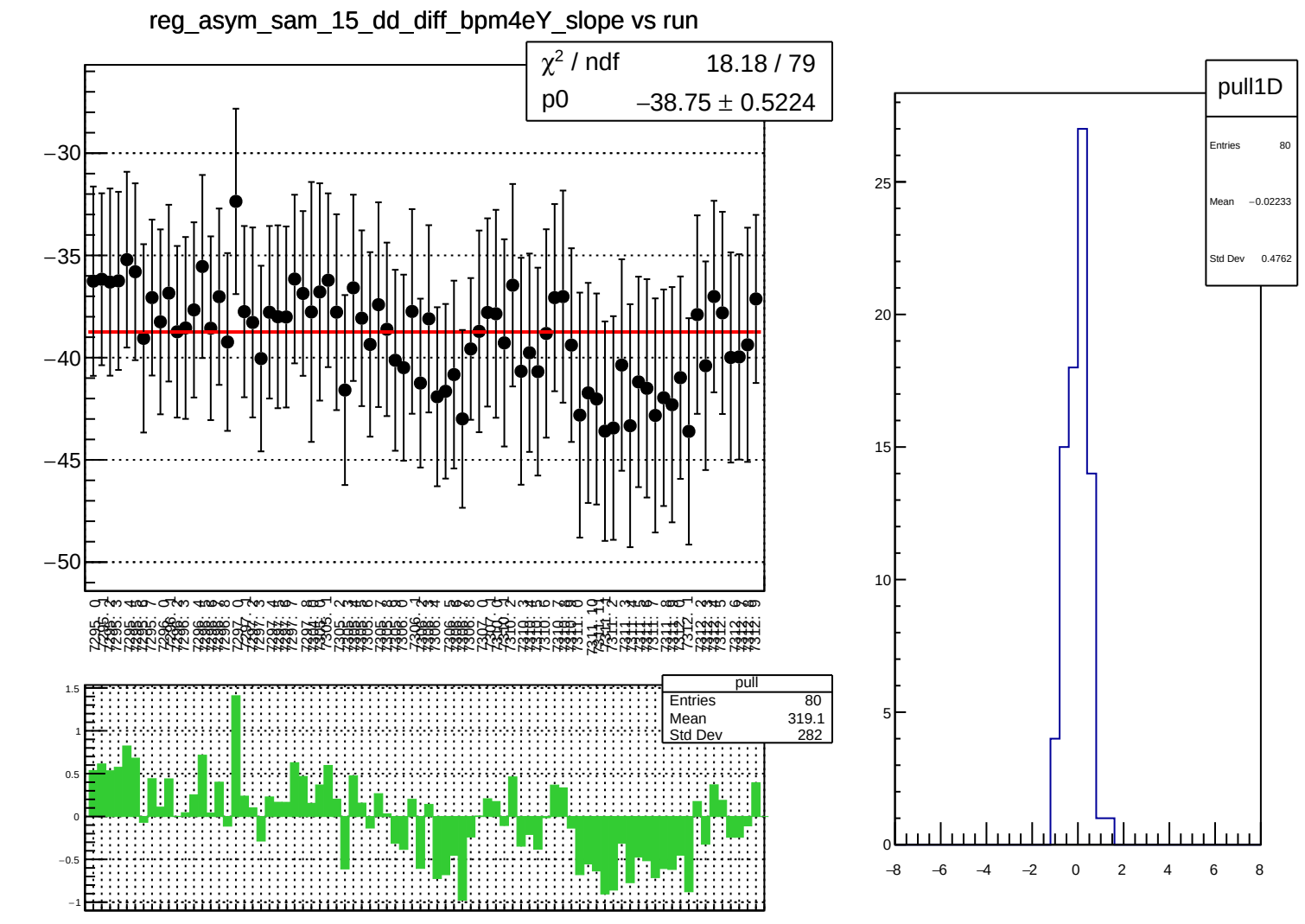

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 134.9 / 79
p0 8.506 ± 0.5188
pull
Entries 80
Mean 142.1
Std Dev 95.39

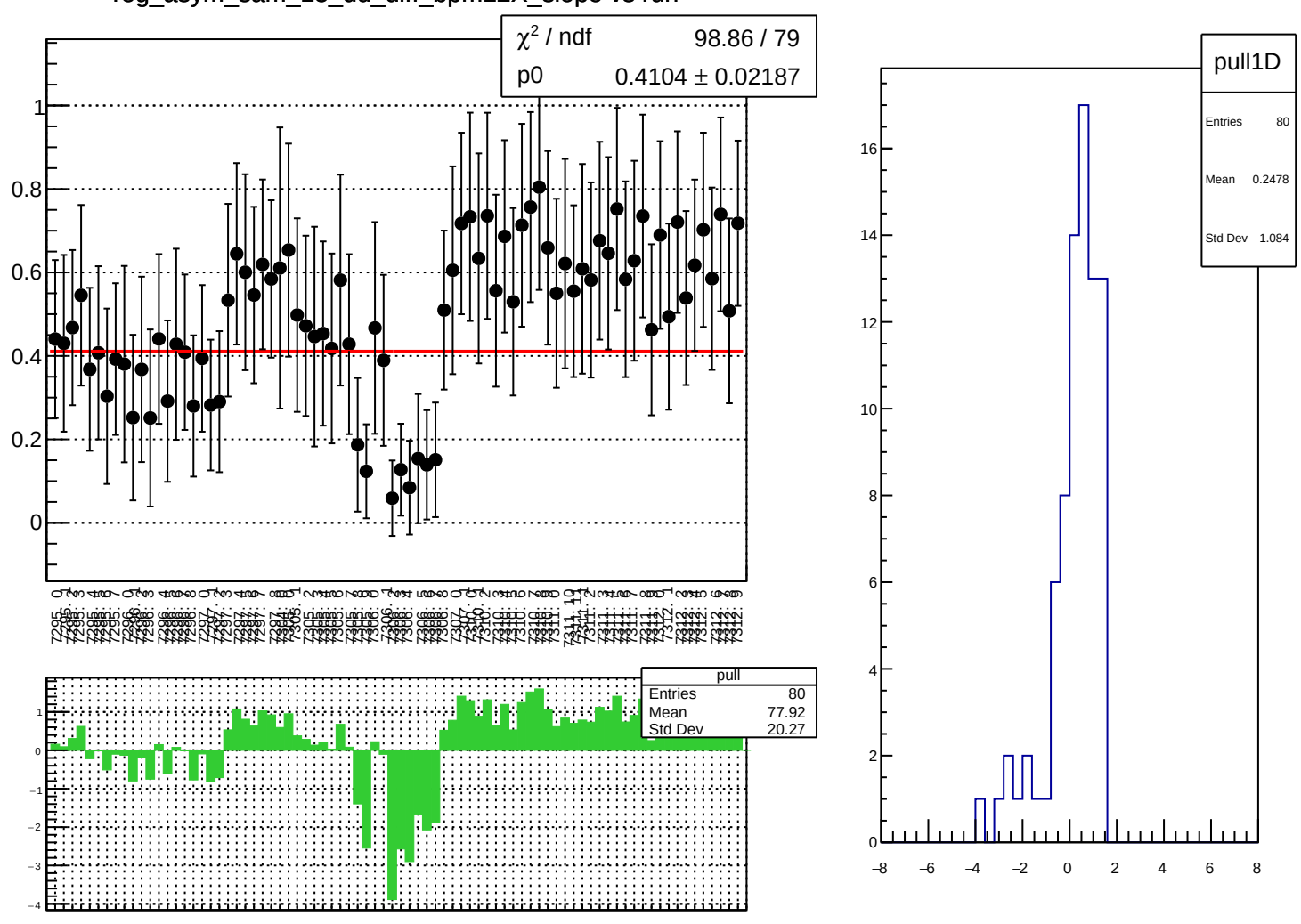

pull1D
Entries 80
Mean −0.2285
Std Dev 1.279

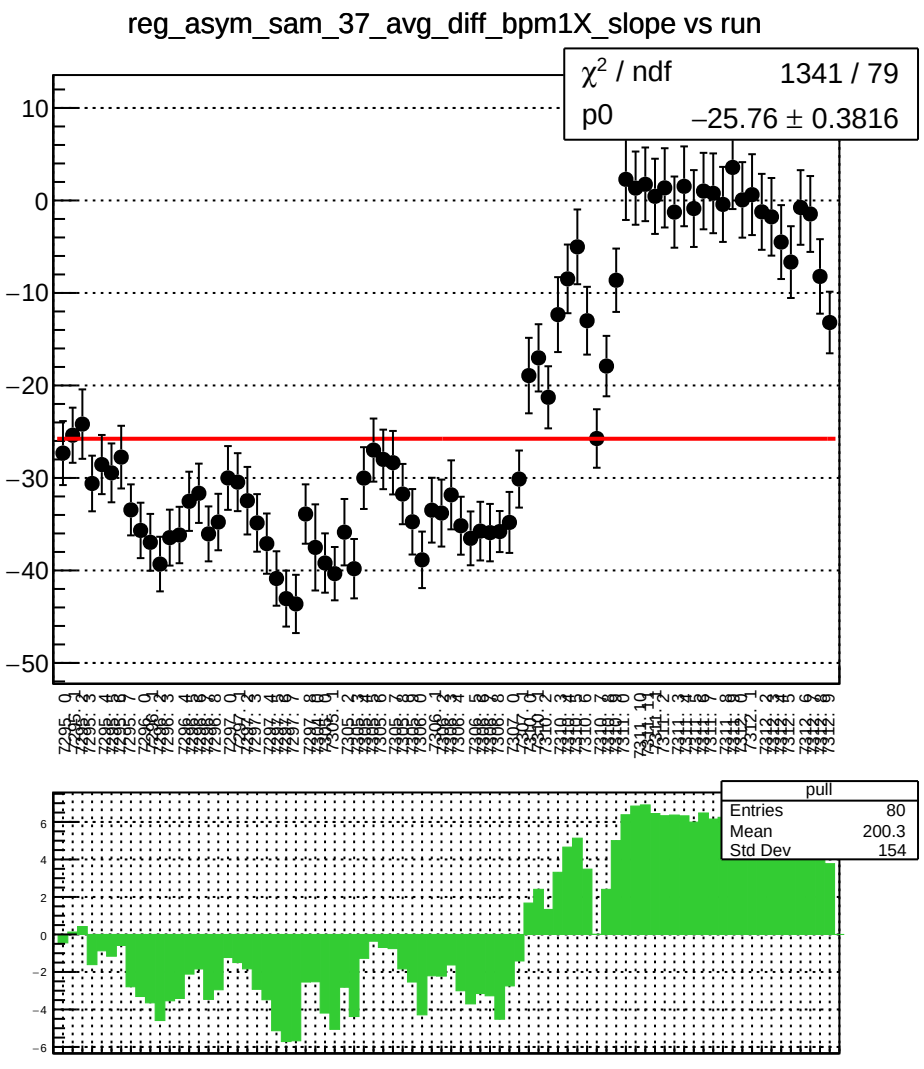

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.33 / 79
p0 −54.9 ± 0.4876
−45
−50
−55
−60
−65
pull
Entries 80
Mean 386.9
Std Dev 345.2
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.03526
Std Dev 0.673
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

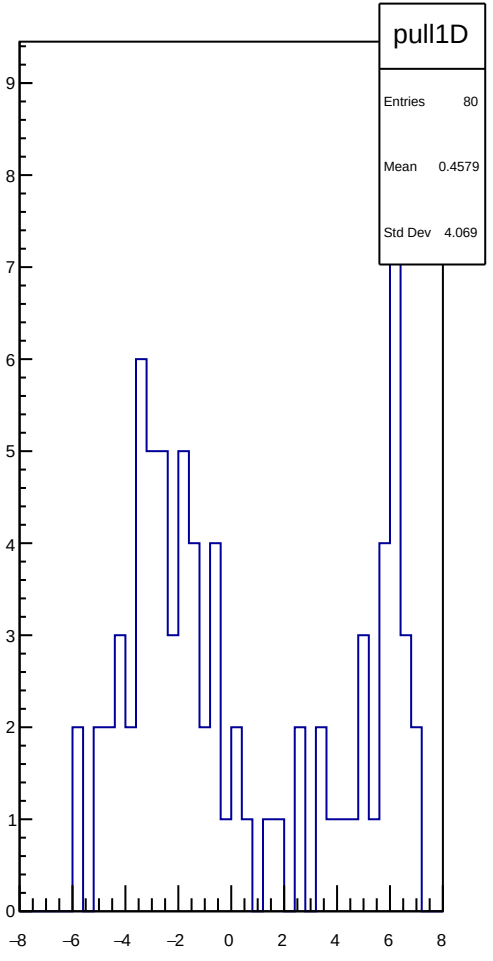

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.1 / 79
p0 −15.46 ± 0.5136
pull
Entries 80
Mean 141.6
Std Dev 95.26

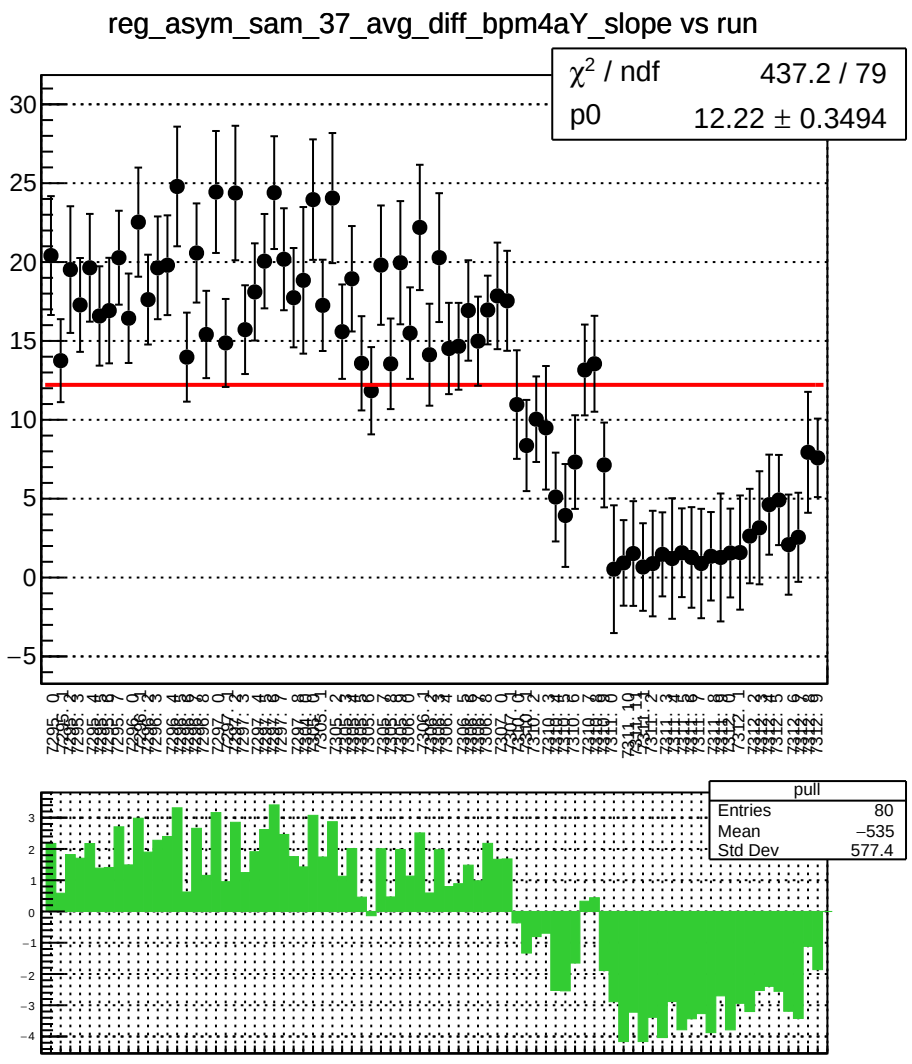

pull1D
Entries 80
Mean 0.2339
Std Dev 1.273

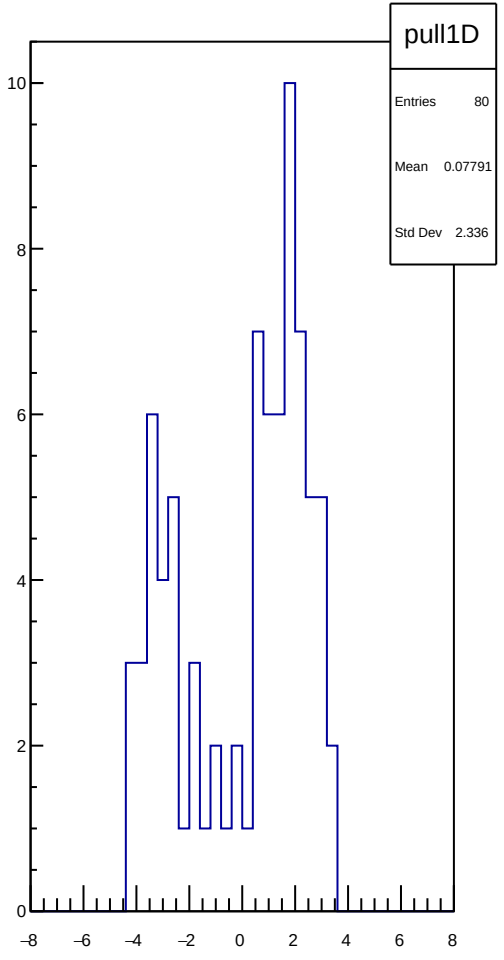

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.18 / 79
p0 −38.75 ± 0.5224
−30
−35
−40
−45
−50
pull
Entries 80
Mean 319.1
Std Dev 282
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.02233
Std Dev 0.4762
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

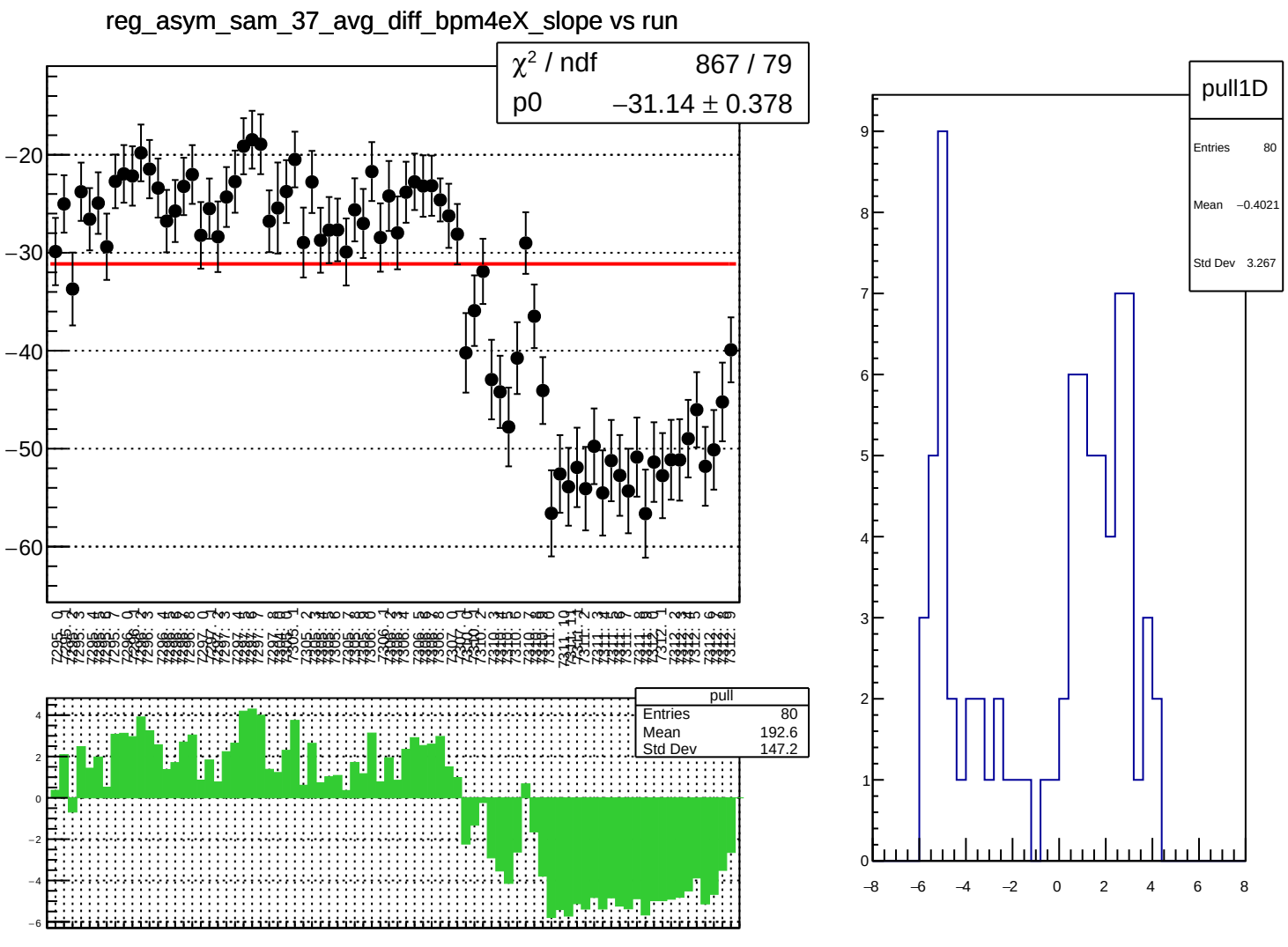

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 98.86 / 79
p0 0.4104 ± 0.02187
pull
Entries 80
Mean 77.92
Std Dev 20.27
pull1D
Entries 80
Mean 0.2478
Std Dev 1.084

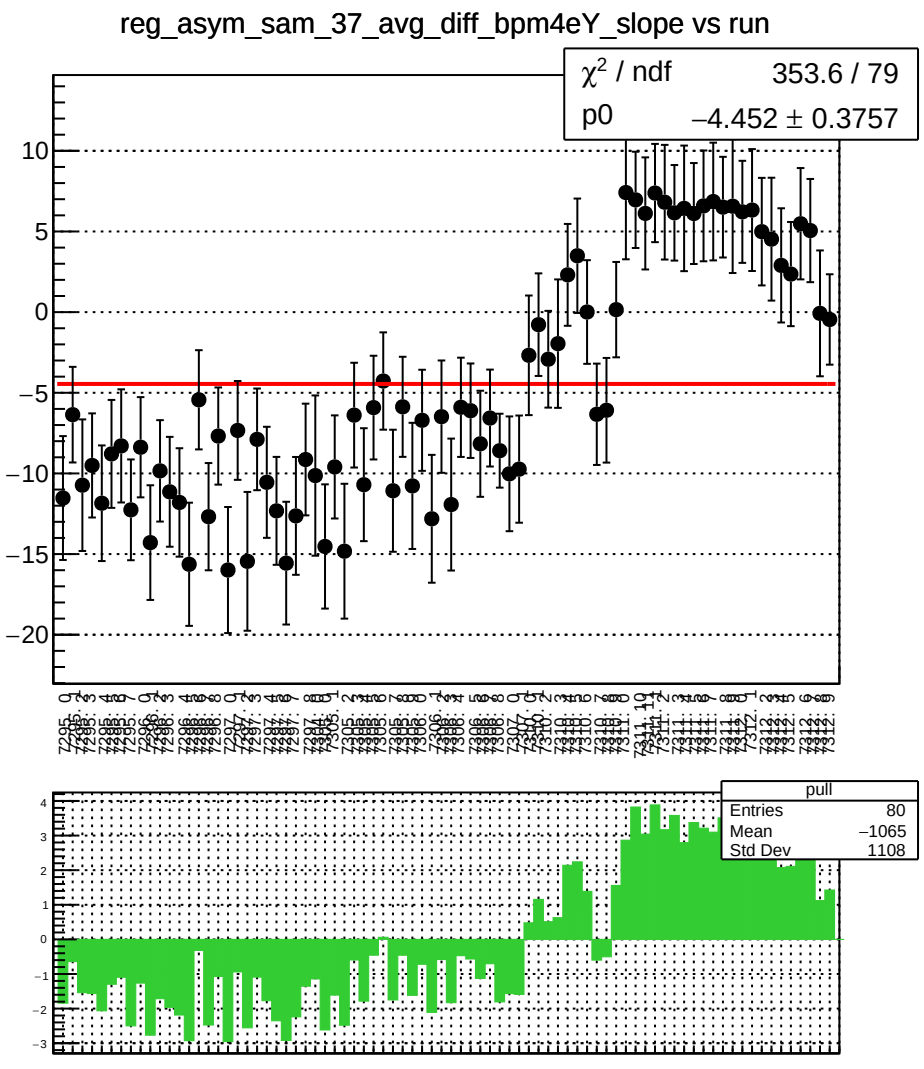

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1341 / 79
p0 −25.76 ± 0.3816
pull
Entries 80
Mean 200.3
Std Dev 154

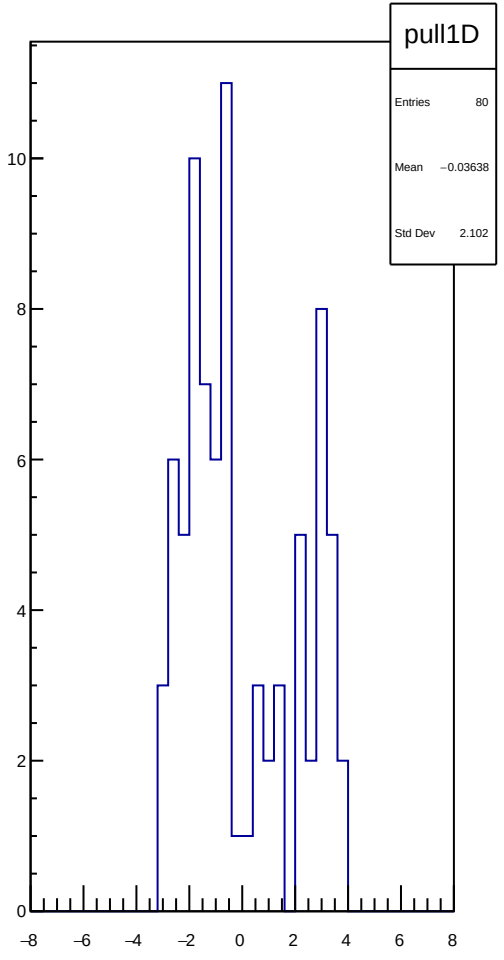

pull1D
Entries 80
Mean 0.4579
Std Dev 4.069

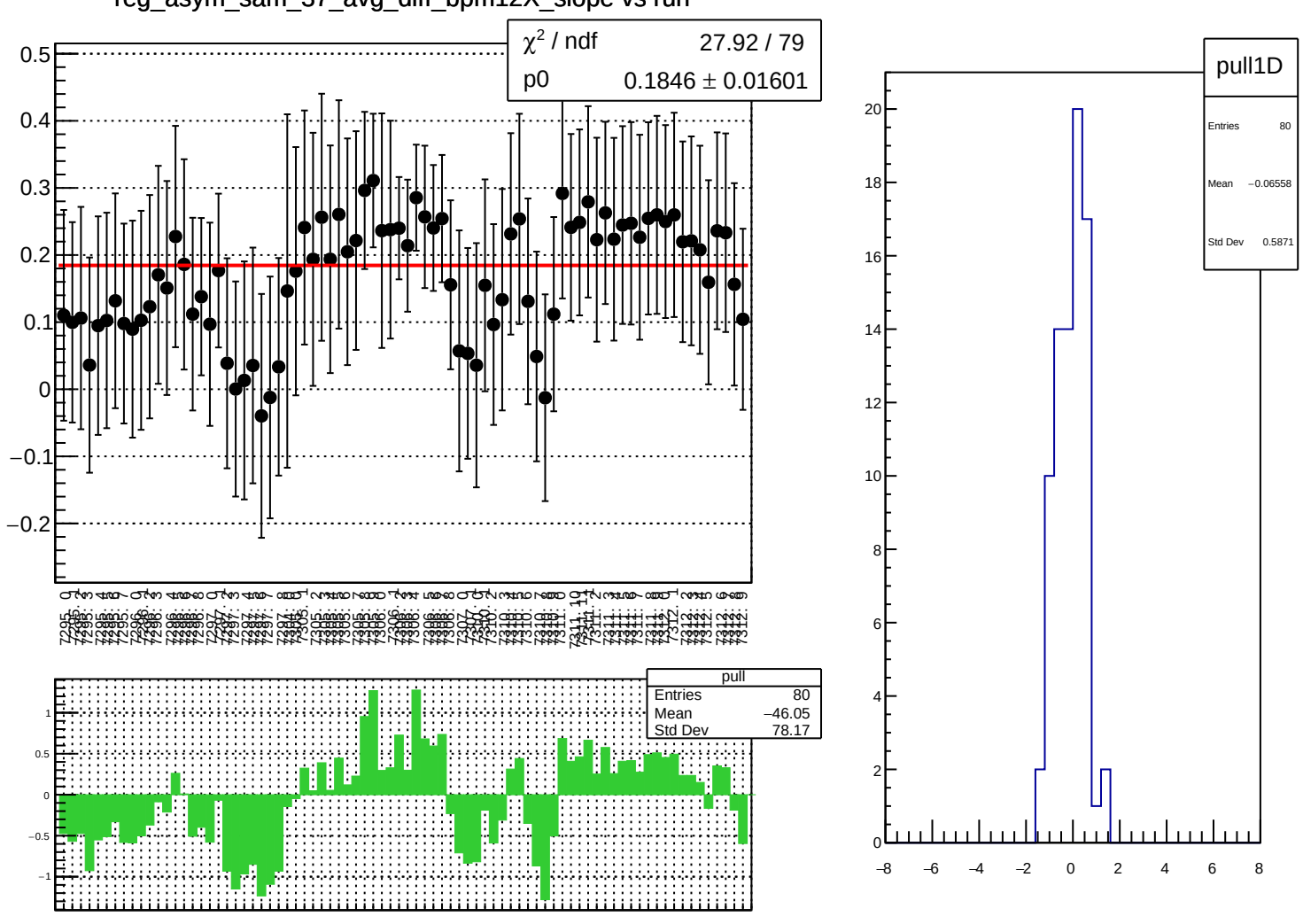

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 437.2 / 79
p0 12.22 ± 0.3494
pull
Entries 80
Mean −535
Std Dev 577.4

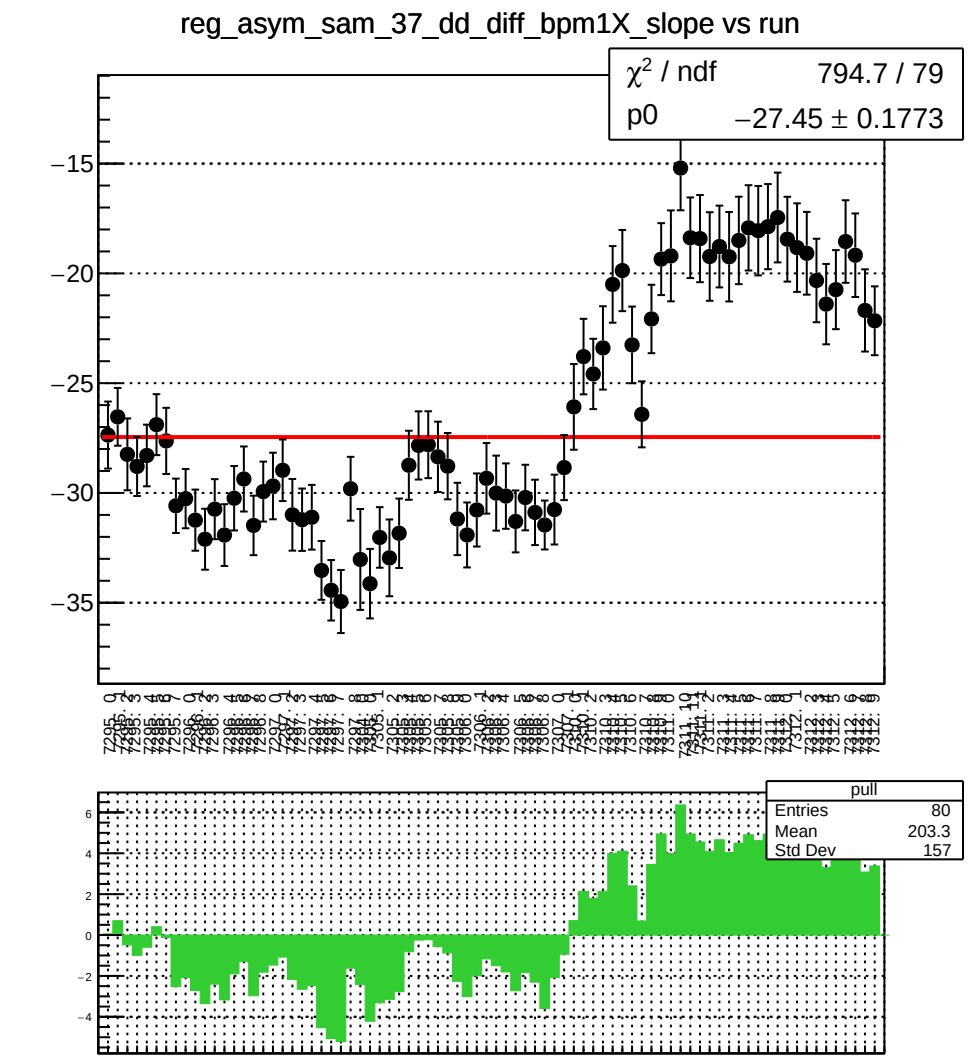

pull1D
Entries 80
Mean 0.07791
Std Dev 2.336

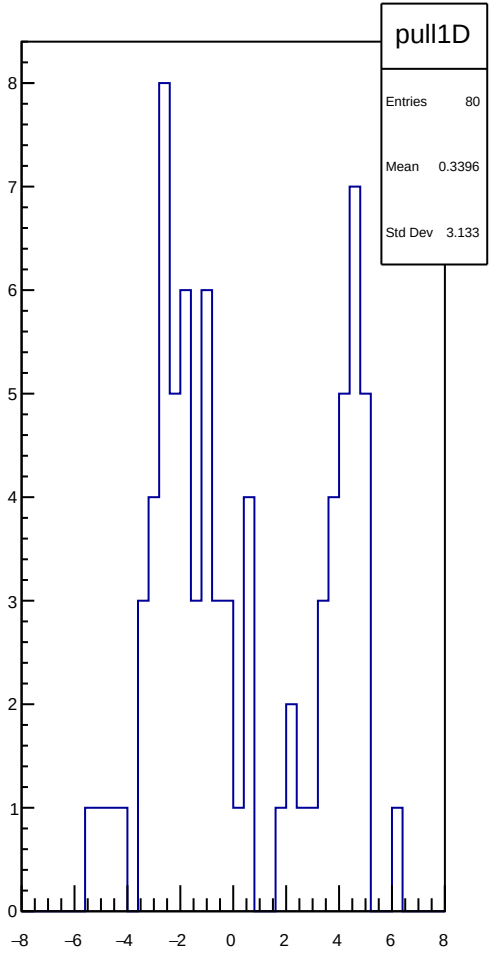

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 867 / 79
p0 −31.14 ± 0.378
pull
Entries 80
Mean 192.6
Std Dev 147.2
pull1D
Entries 80
Mean −0.4021
Std Dev 3.267

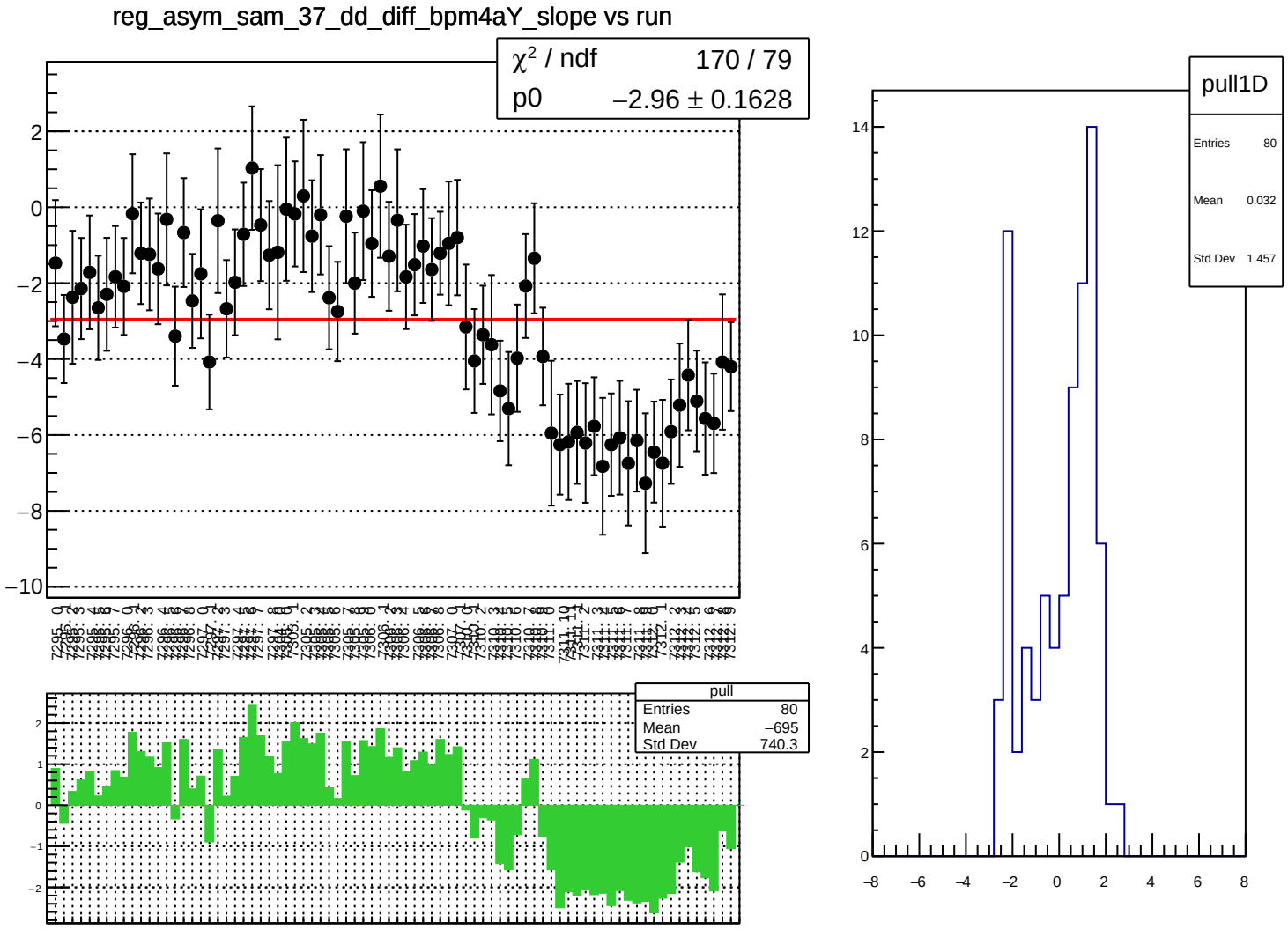

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 353.6 / 79
p0 −4.452 ± 0.3757
pull
Entries 80
Mean −1065
Std Dev 1108

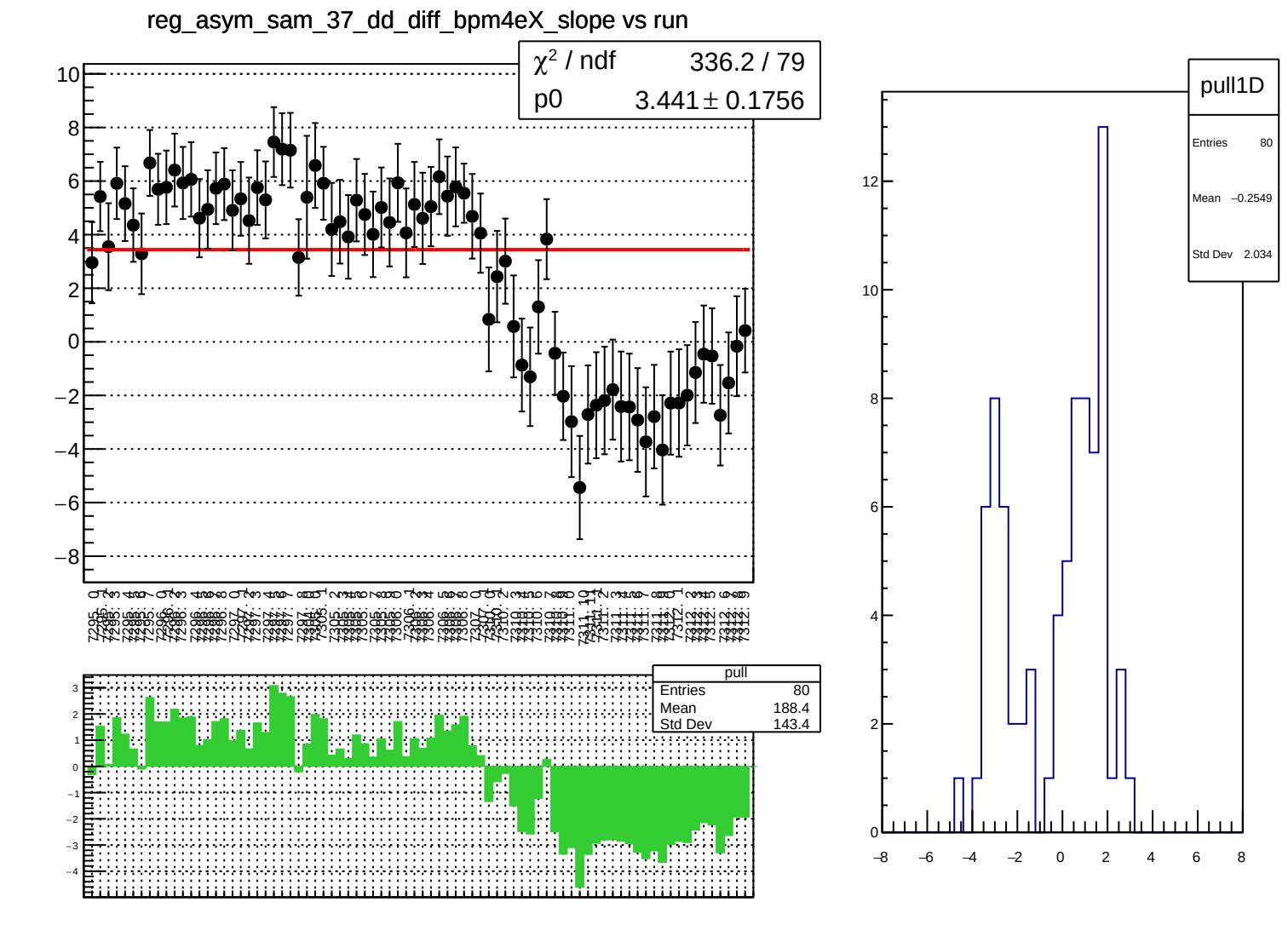

pull1D
Entries 80
Mean −0.03638
Std Dev 2.102

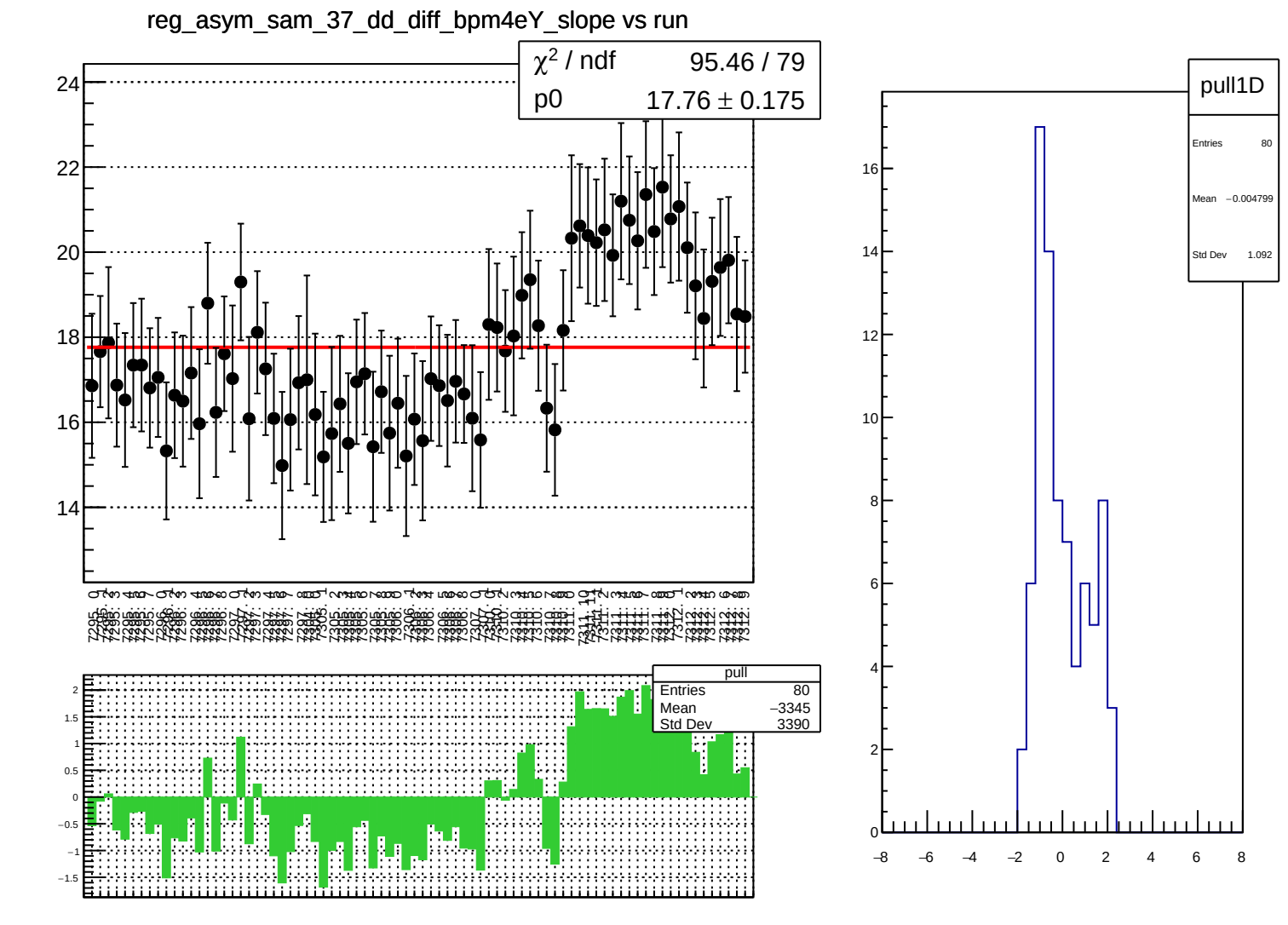

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 27.92 / 79
p0 0.1846 ± 0.01601
pull
Entries 80
Mean −46.05
Std Dev 78.17
pull1D
Entries 80
Mean −0.06558
Std Dev 0.5871

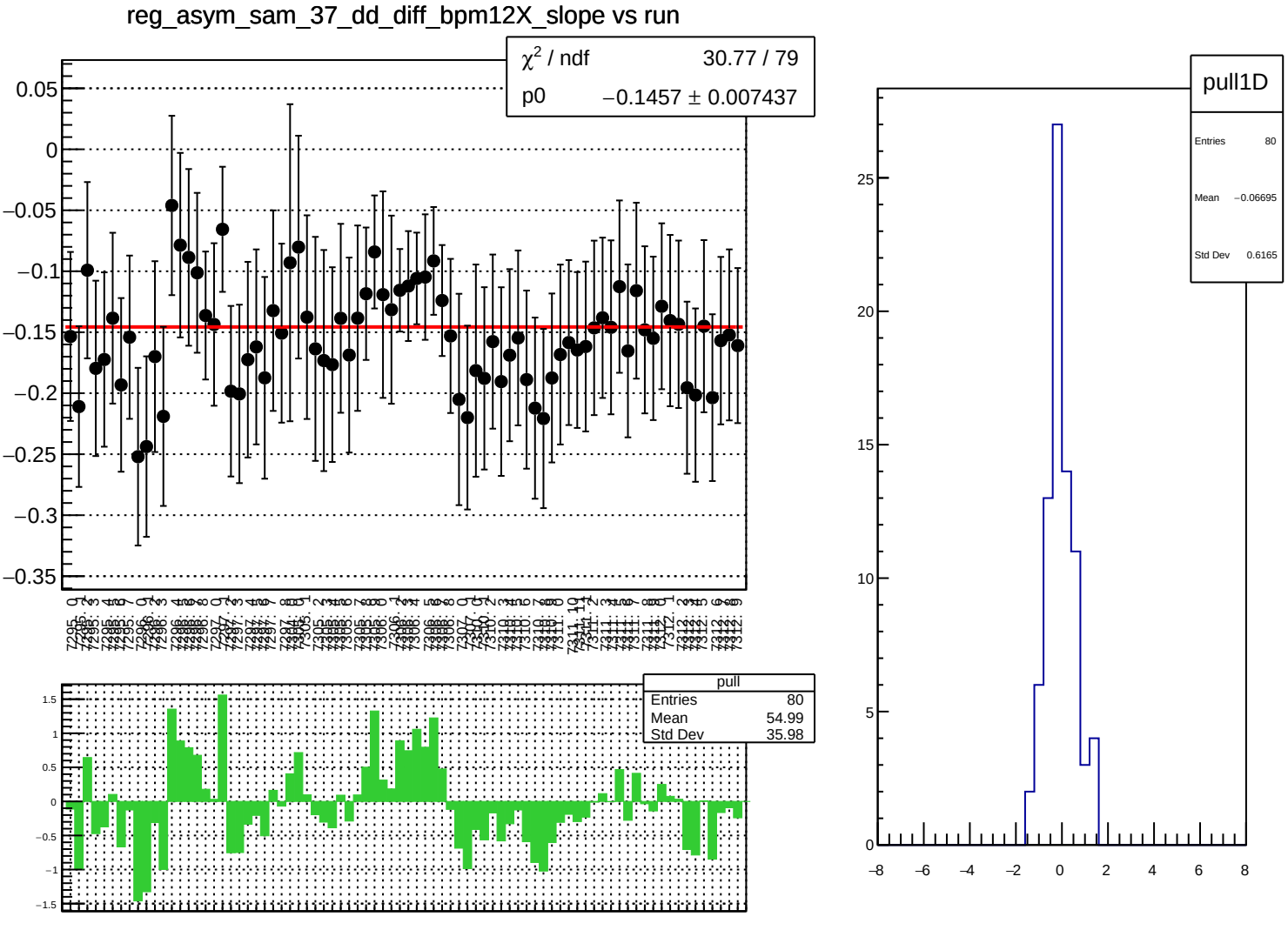

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 794.7 / 79
p0 −27.45 ± 0.1773
pull
Entries 80
Mean 203.3
Std Dev 157

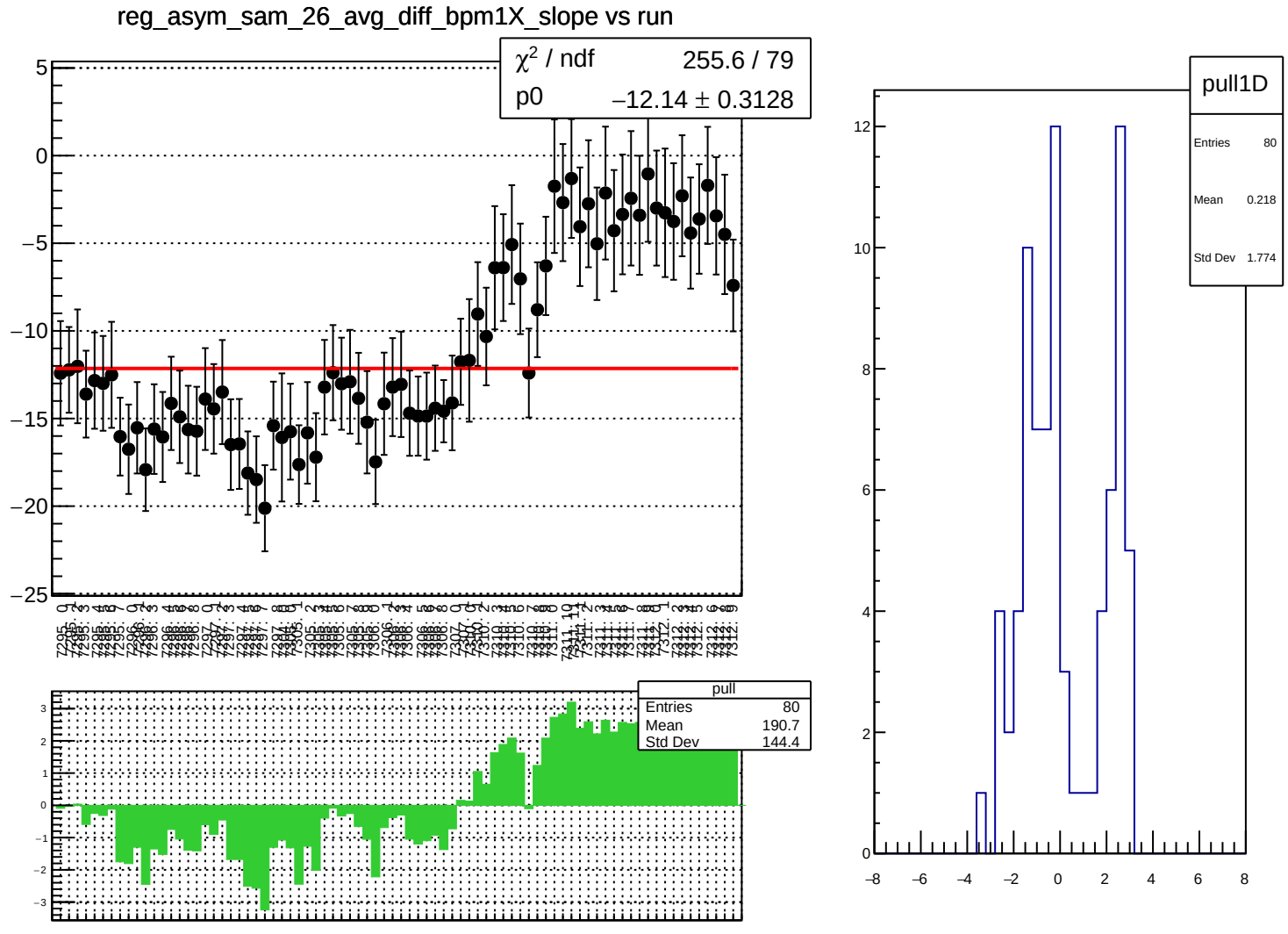

pull1D
Entries 80
Mean 0.3396
Std Dev 3.133

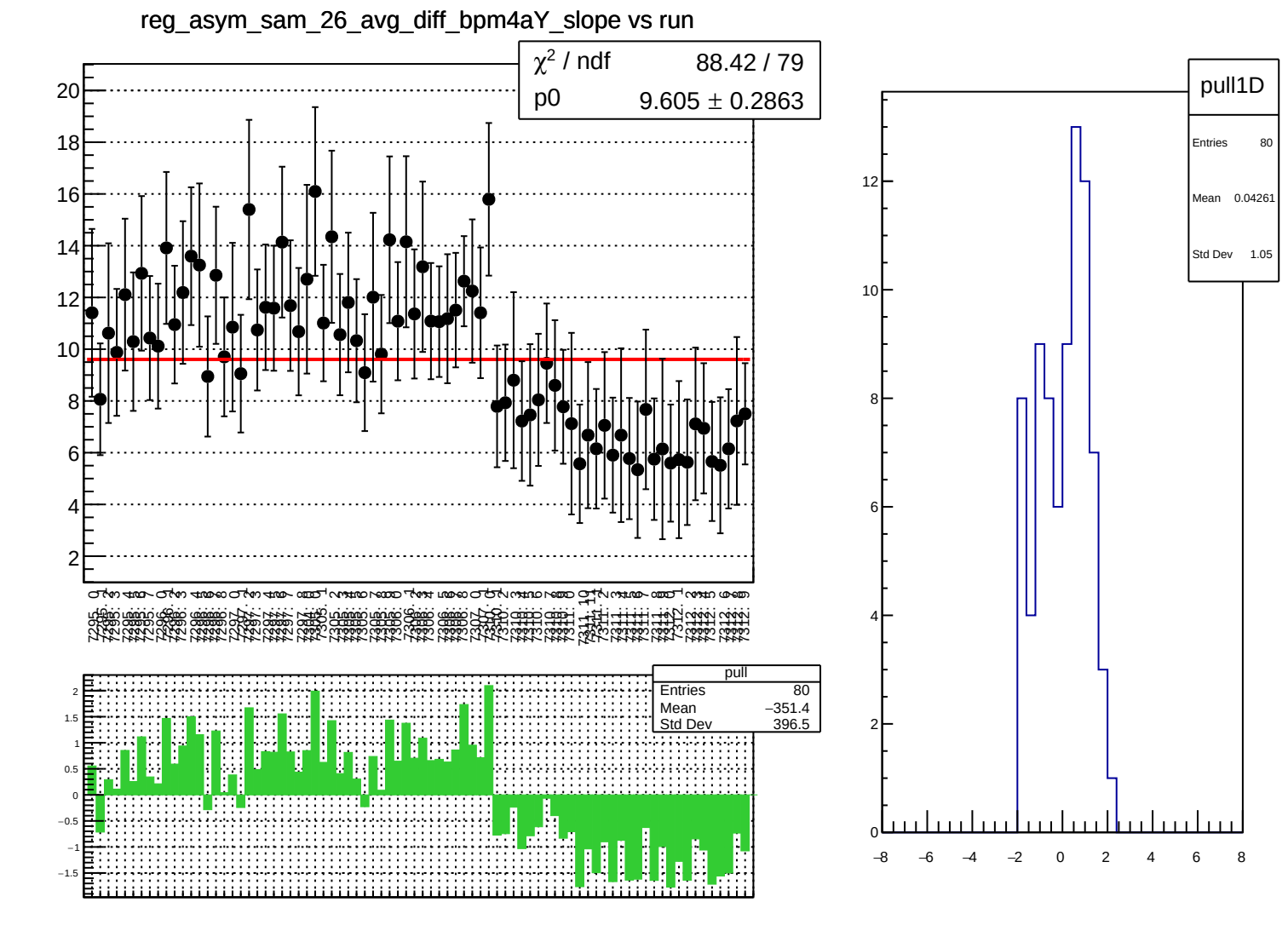

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 170 / 79
p0 −2.96 ± 0.1628
pull
Entries 80
Mean −695
Std Dev 740.3
pull1D
Entries 80
Mean 0.032
Std Dev 1.457

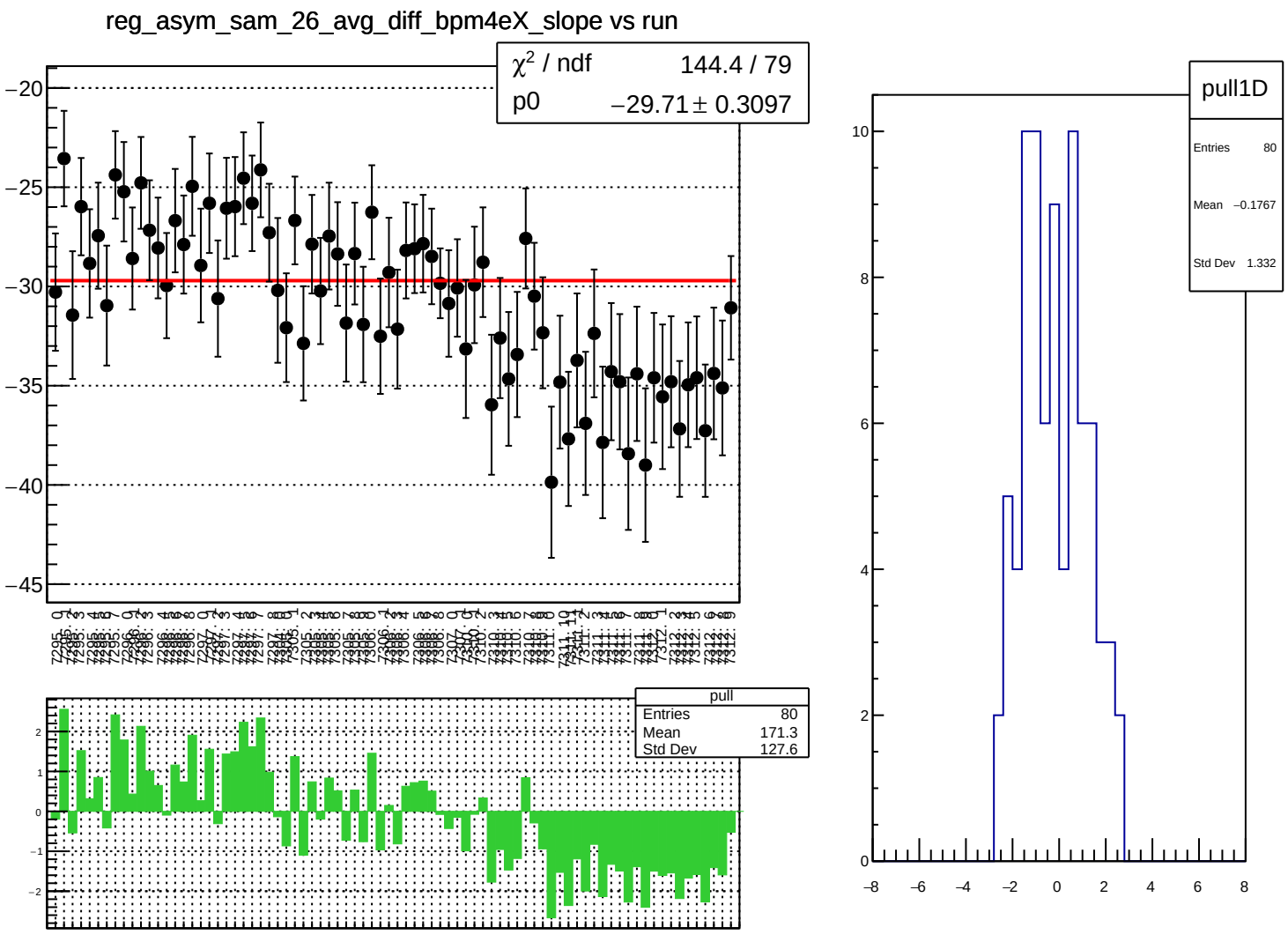

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 336.2 / 79
p0 3.441 ± 0.1756
pull
Entries 80
Mean 188.4
Std Dev 143.4
pull1D
Entries 80
Mean −0.2549
Std Dev 2.034

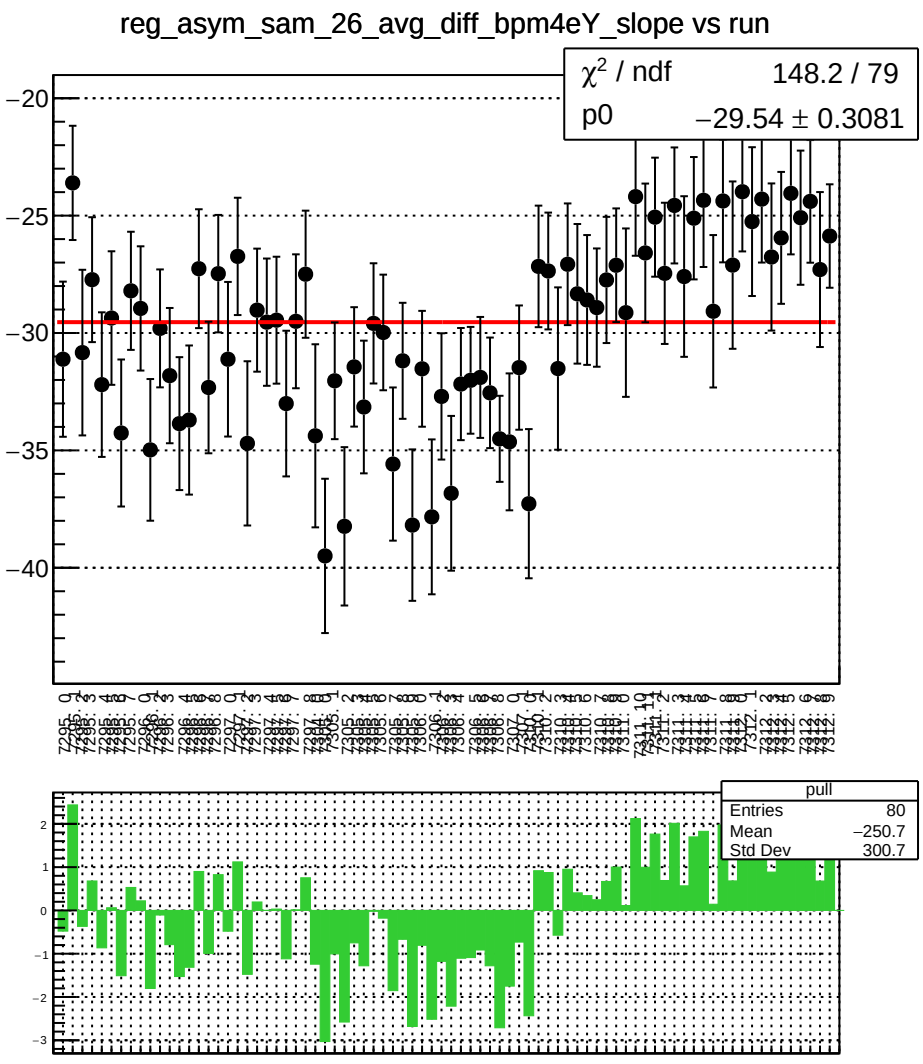

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 95.46 / 79
p0 17.76 ± 0.175
pull
Entries 80
Mean −3345
Std Dev 3390
pull1D
Entries 80
Mean −0.004799
Std Dev 1.092

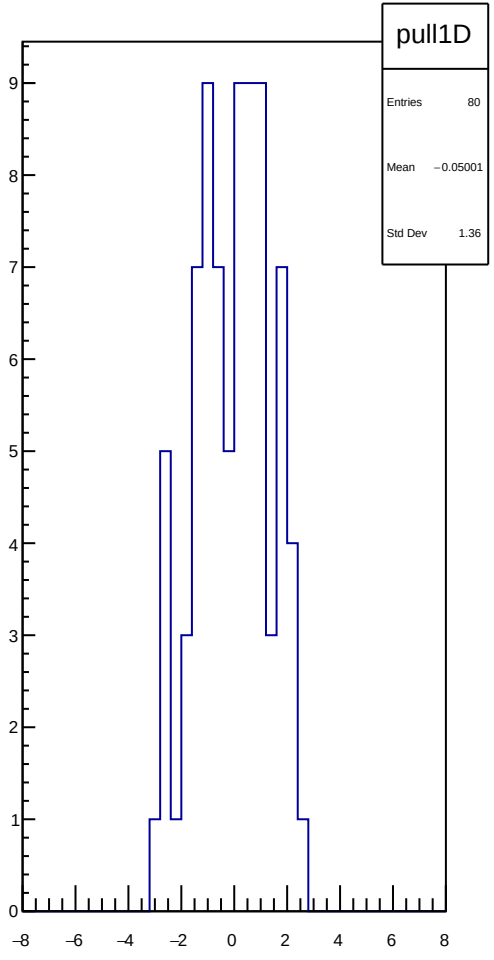

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 30.77 / 79
p0 −0.1457 ± 0.007437
pull
Entries 80
Mean 54.99
Std Dev 35.98
pull1D
Entries 80
Mean −0.06695
Std Dev 0.6165

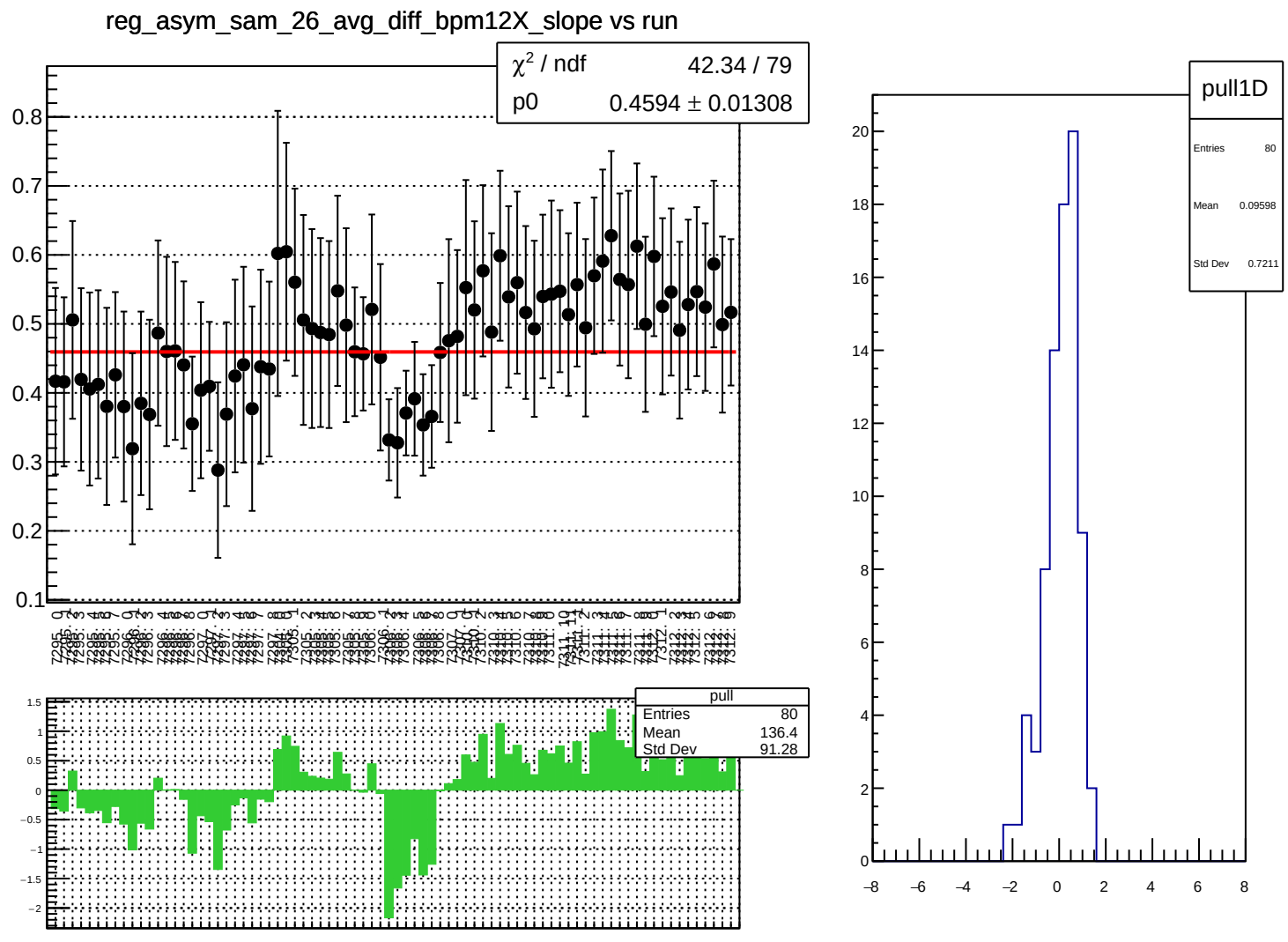

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 255.6 / 79
p0 −12.14 ± 0.3128
pull
Entries 80
Mean 190.7
Std Dev 144.4
pull1D
Entries 80
Mean 0.218
Std Dev 1.774

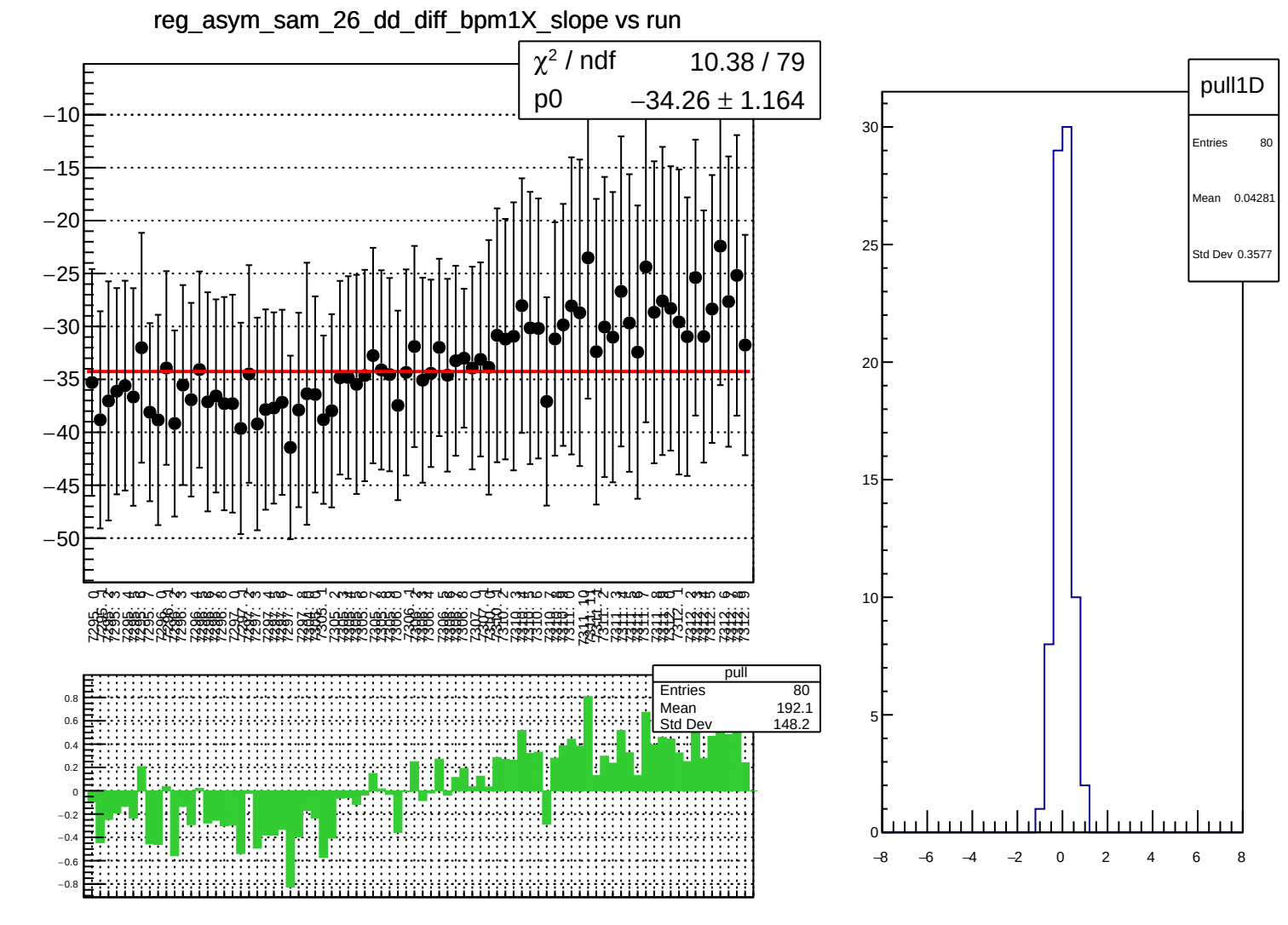

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.42 / 79
p0 9.605 ± 0.2863
pull
Entries 80
Mean −351.4
Std Dev 396.5
pull1D
Entries 80
Mean 0.04261
Std Dev 1.05

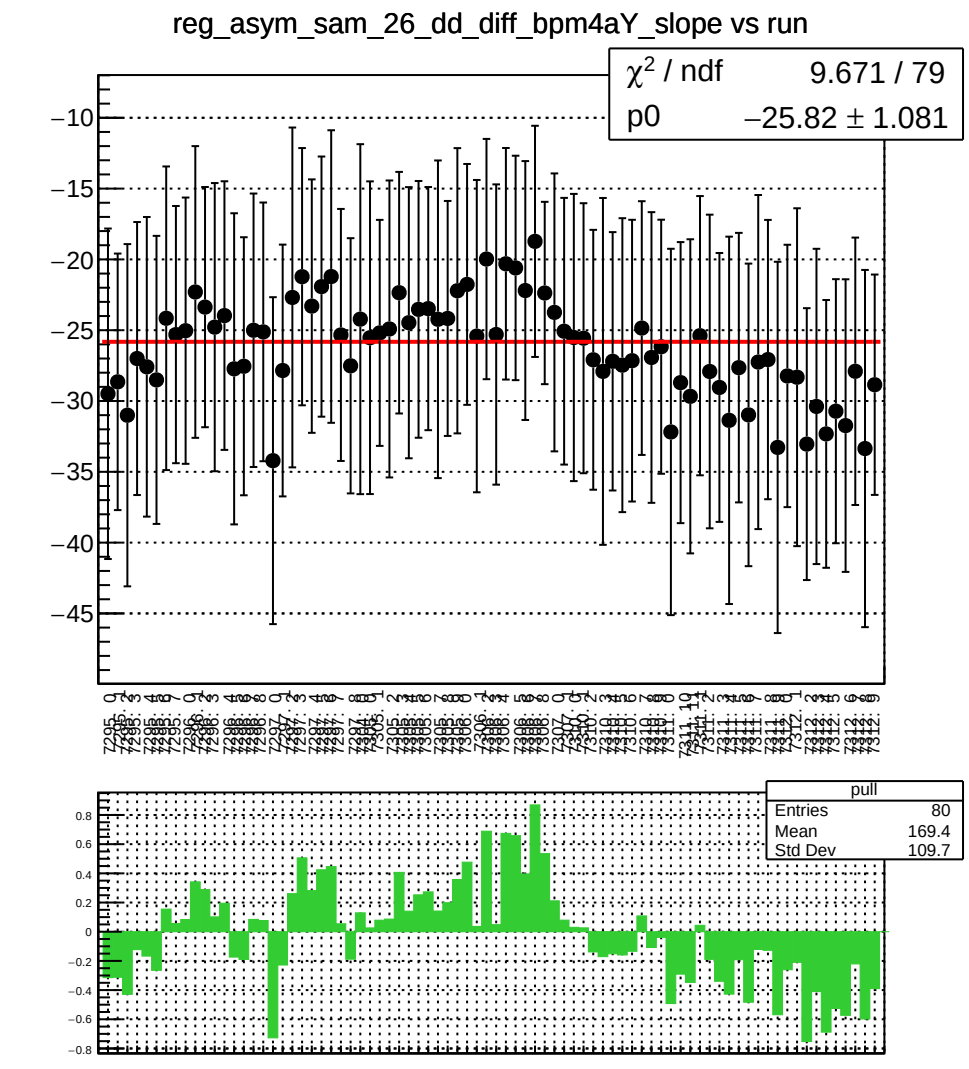

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 144.4 / 79
p0 −29.71 ± 0.3097
pull
Entries 80
Mean 171.3
Std Dev 127.6
pull1D
Entries 80
Mean −0.1767
Std Dev 1.332

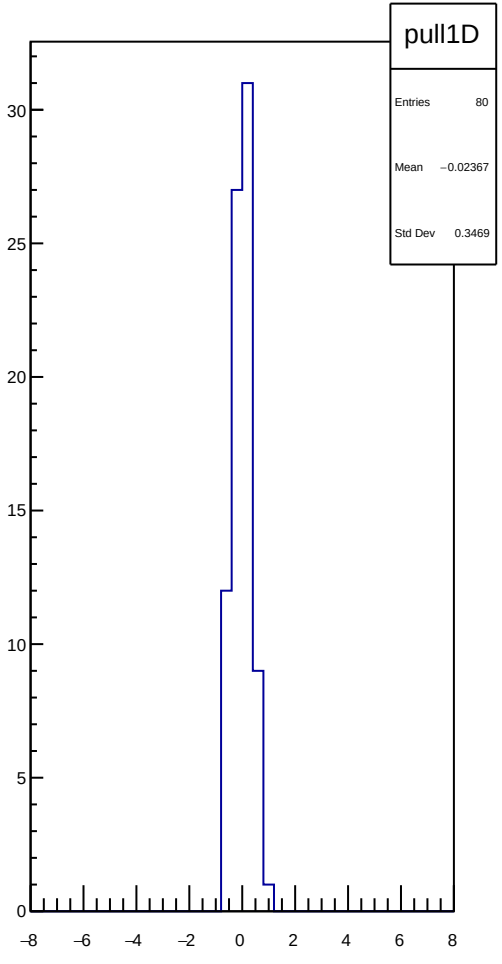

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 148.2 / 79
p0 −29.54 ± 0.3081
pull
Entries 80
Mean −250.7
Std Dev 300.7

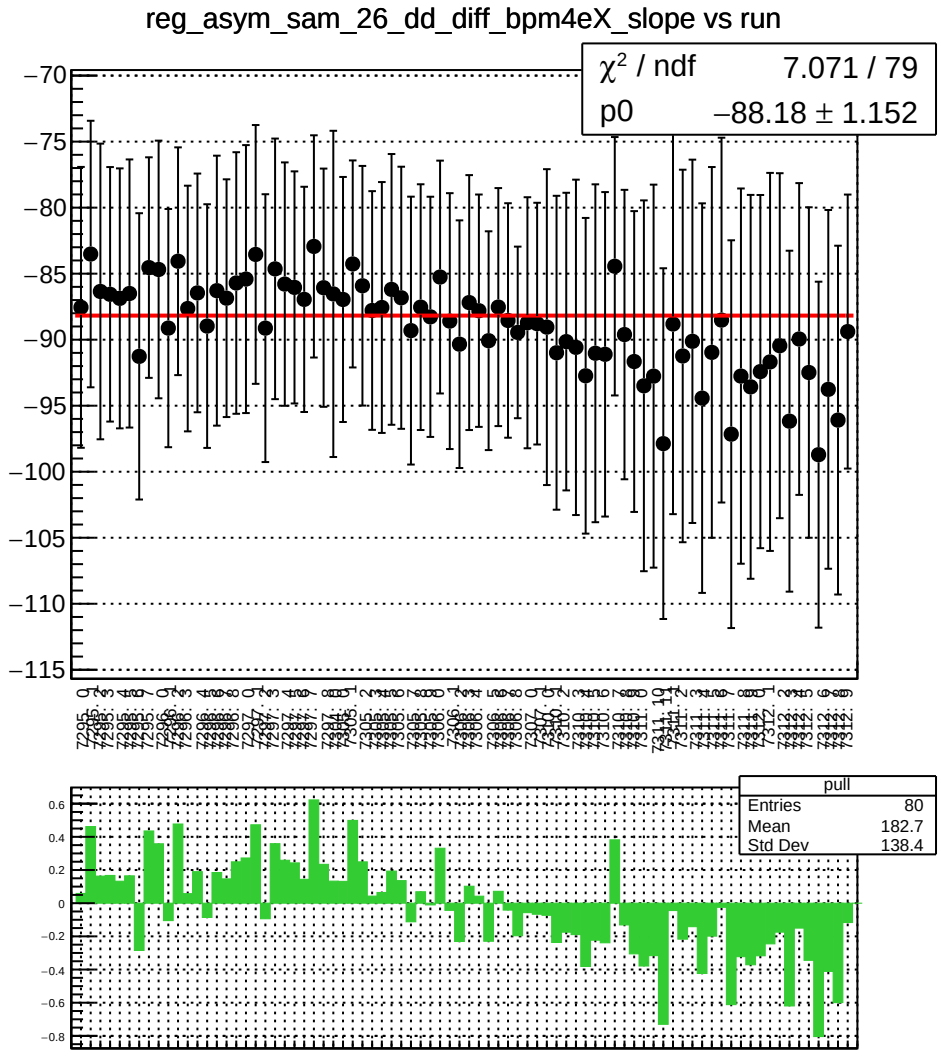

pull1D
Entries 80
Mean −0.05001
Std Dev 1.36

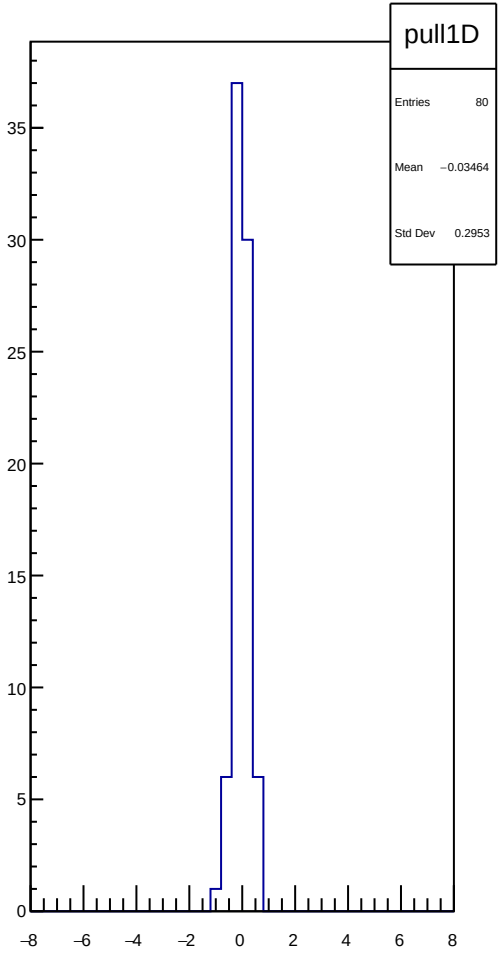

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 42.34 / 79
p0 0.4594 ± 0.01308
pull
Entries 80
Mean 136.4
Std Dev 91.28
pull1D
Entries 80
Mean 0.09598
Std Dev 0.7211

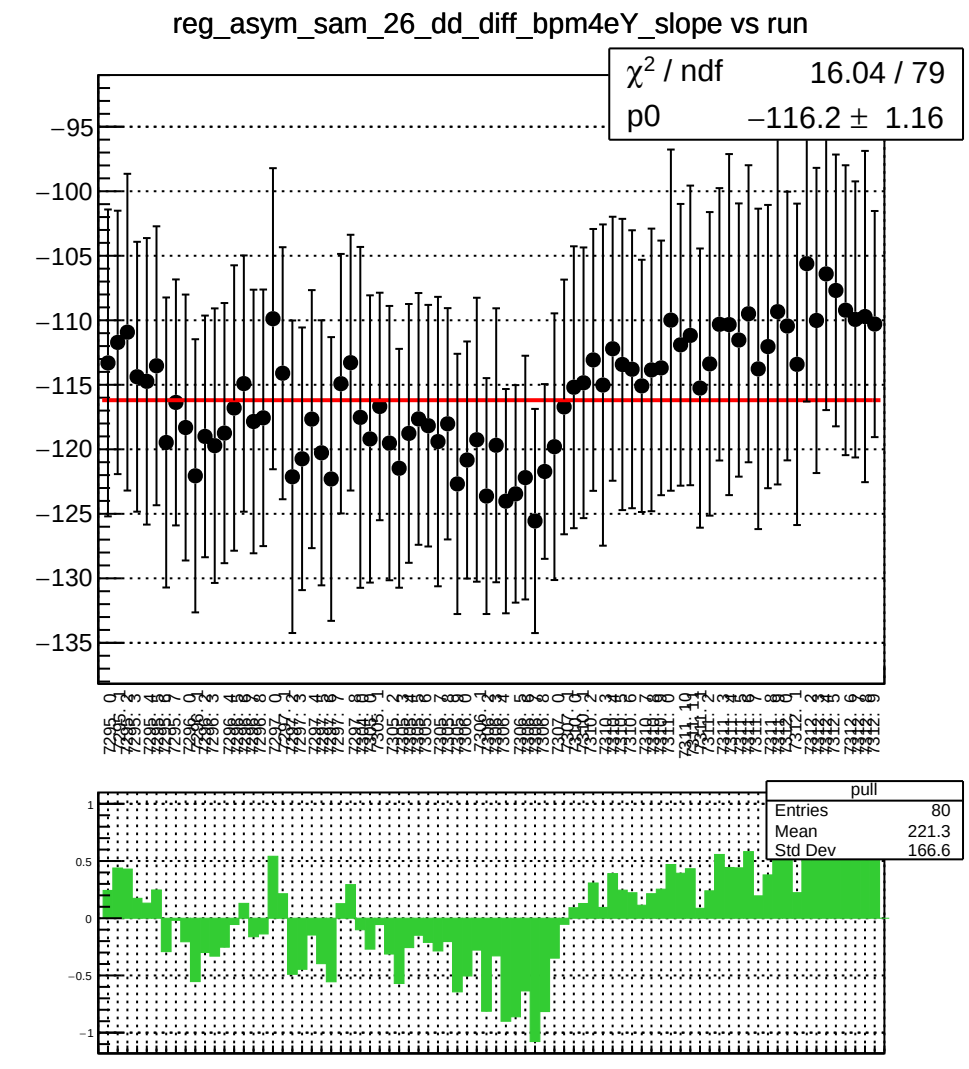

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.38 / 79
p0 −34.26 ± 1.164
pull
Entries 80
Mean 192.1
Std Dev 148.2
pull1D
Entries 80
Mean 0.04281
Std Dev 0.3577

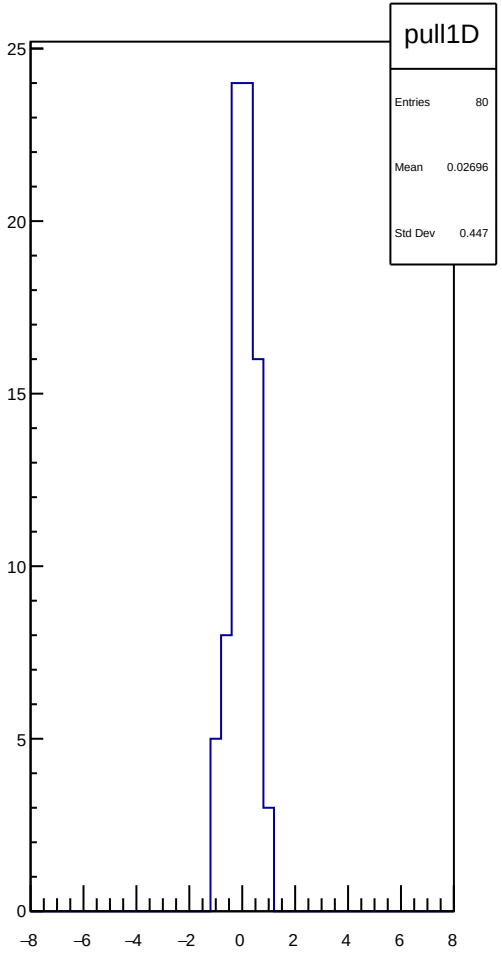

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.671 / 79
p0 −25.82 ± 1.081
pull
Entries 80
Mean 169.4
Std Dev 109.7

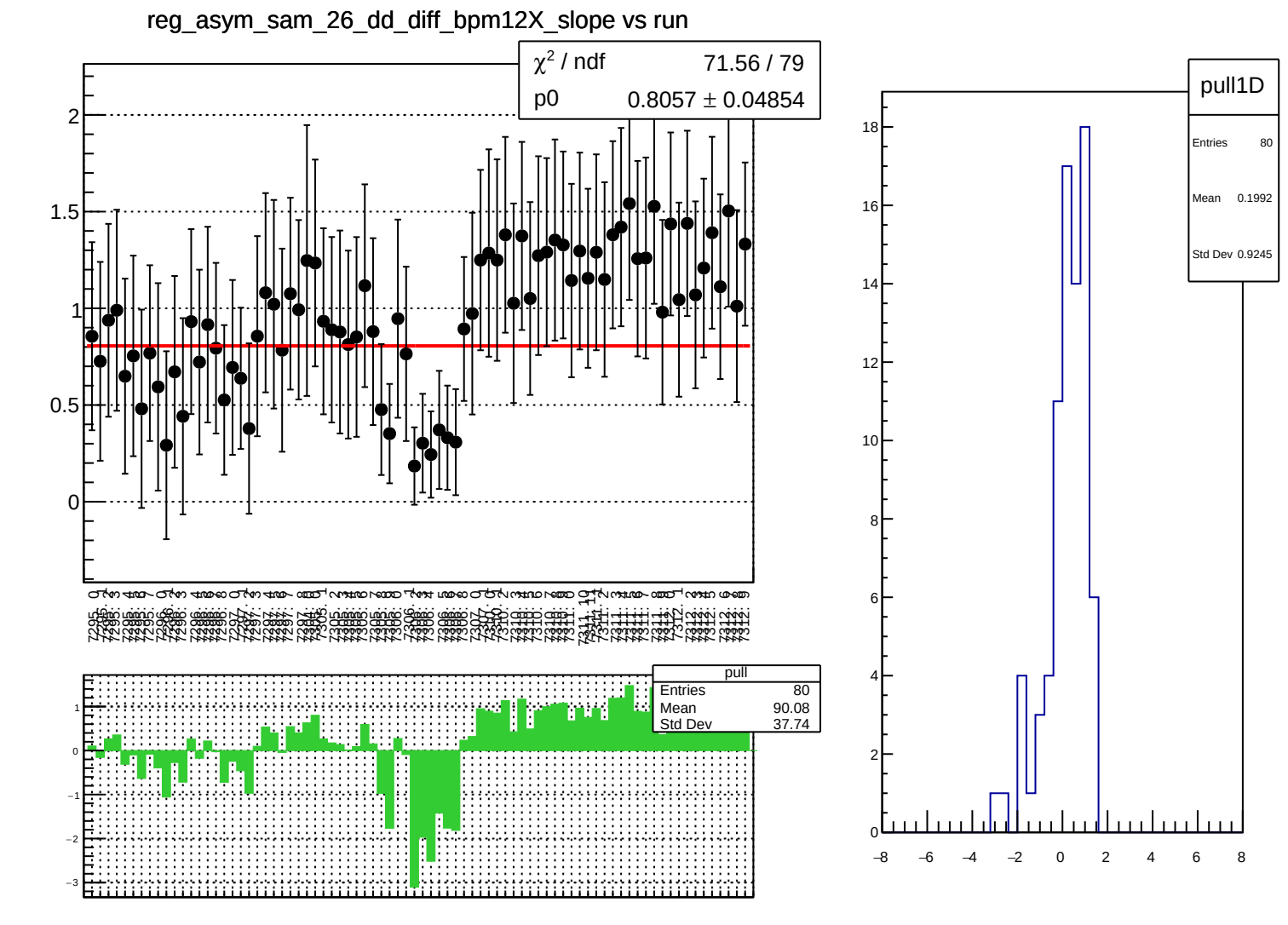

pull1D
Entries 80
Mean −0.02367
Std Dev 0.3469

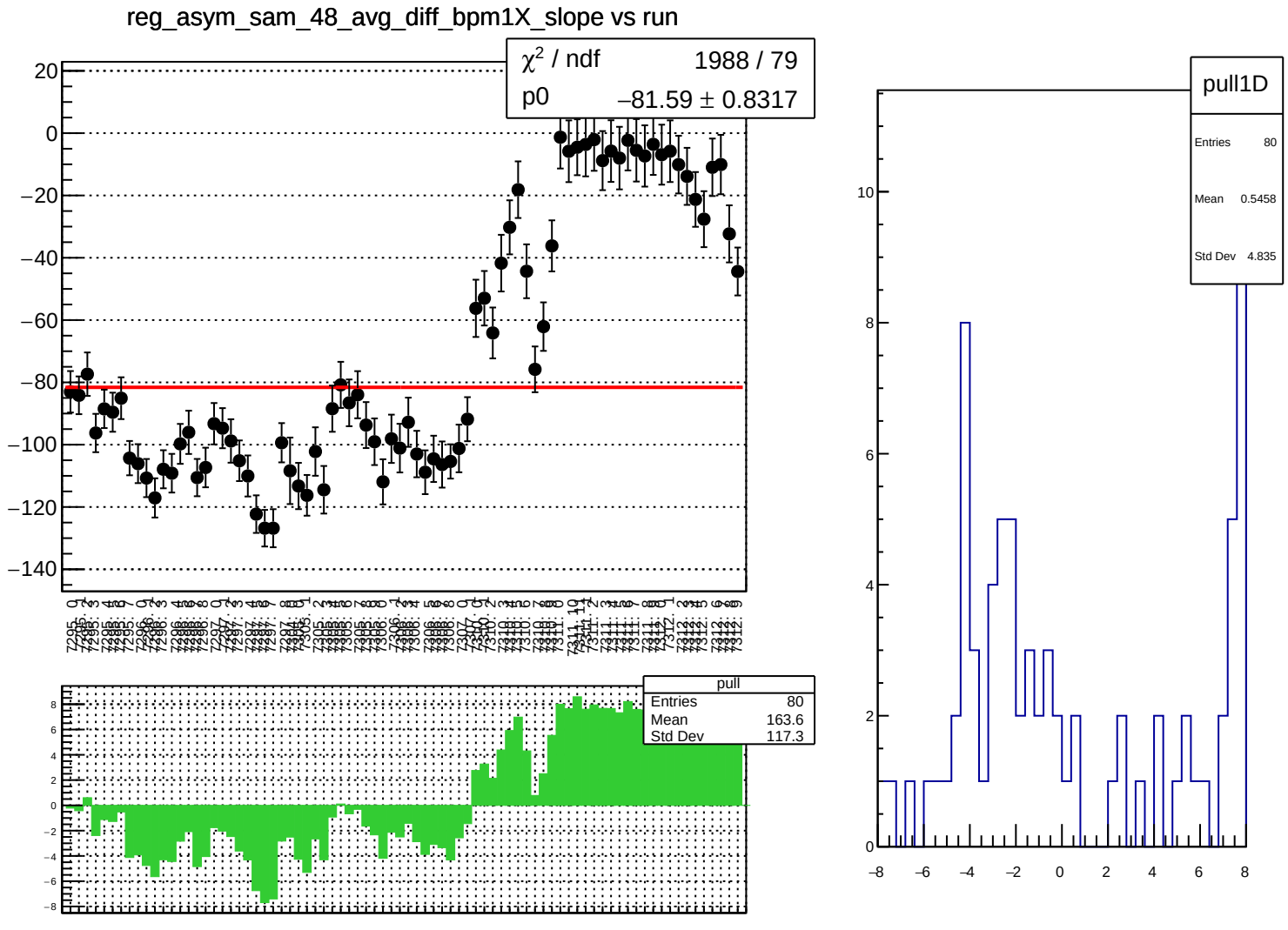

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.071 / 79
p0 −88.18 ± 1.152
pull
Entries 80
Mean 182.7
Std Dev 138.4

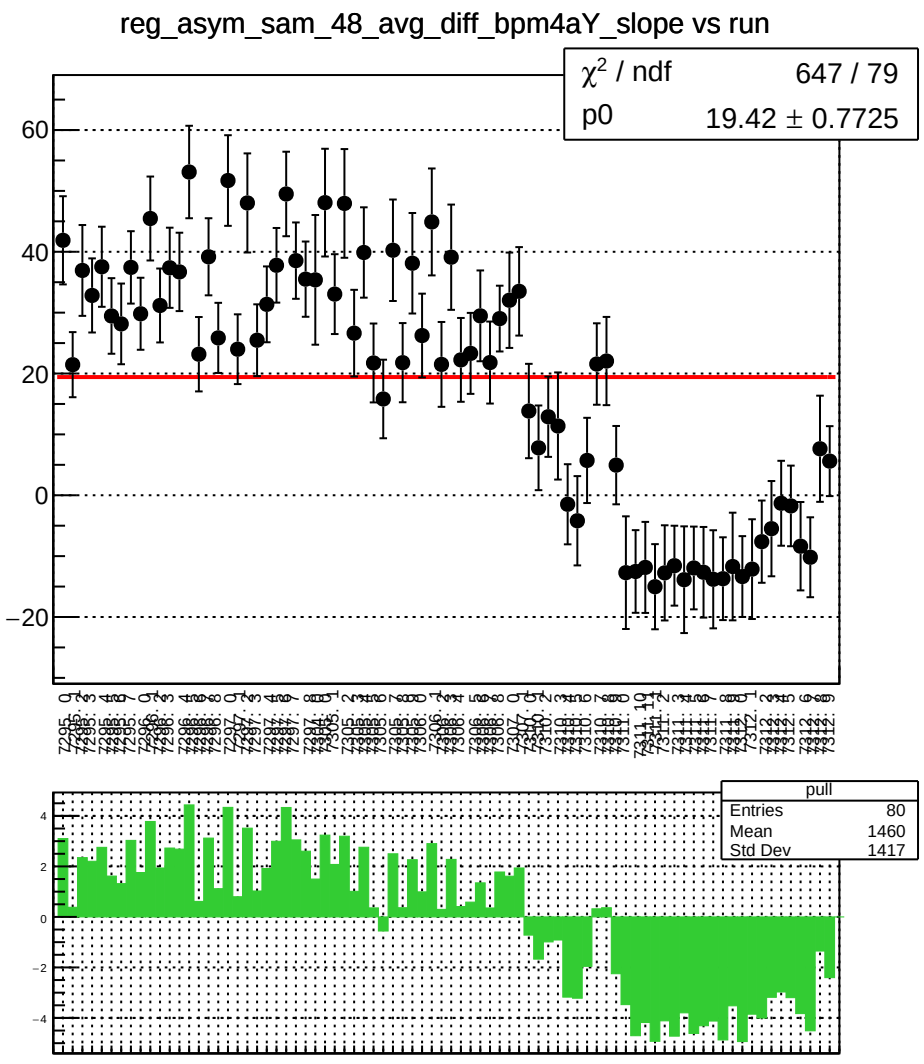

pull1D
Entries 80
Mean −0.03464
Std Dev 0.2953

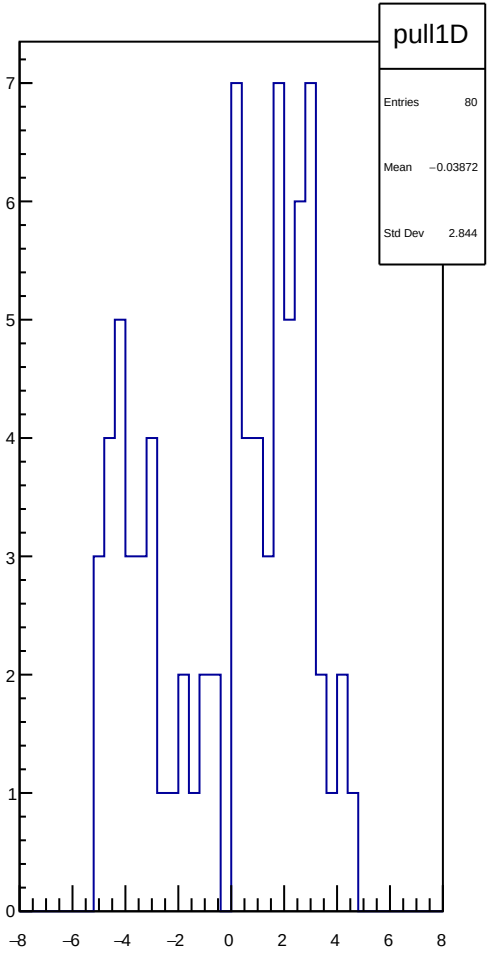

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 79
p0 −116.2 ± 1.16
pull
Entries 80
Mean 221.3
Std Dev 166.6

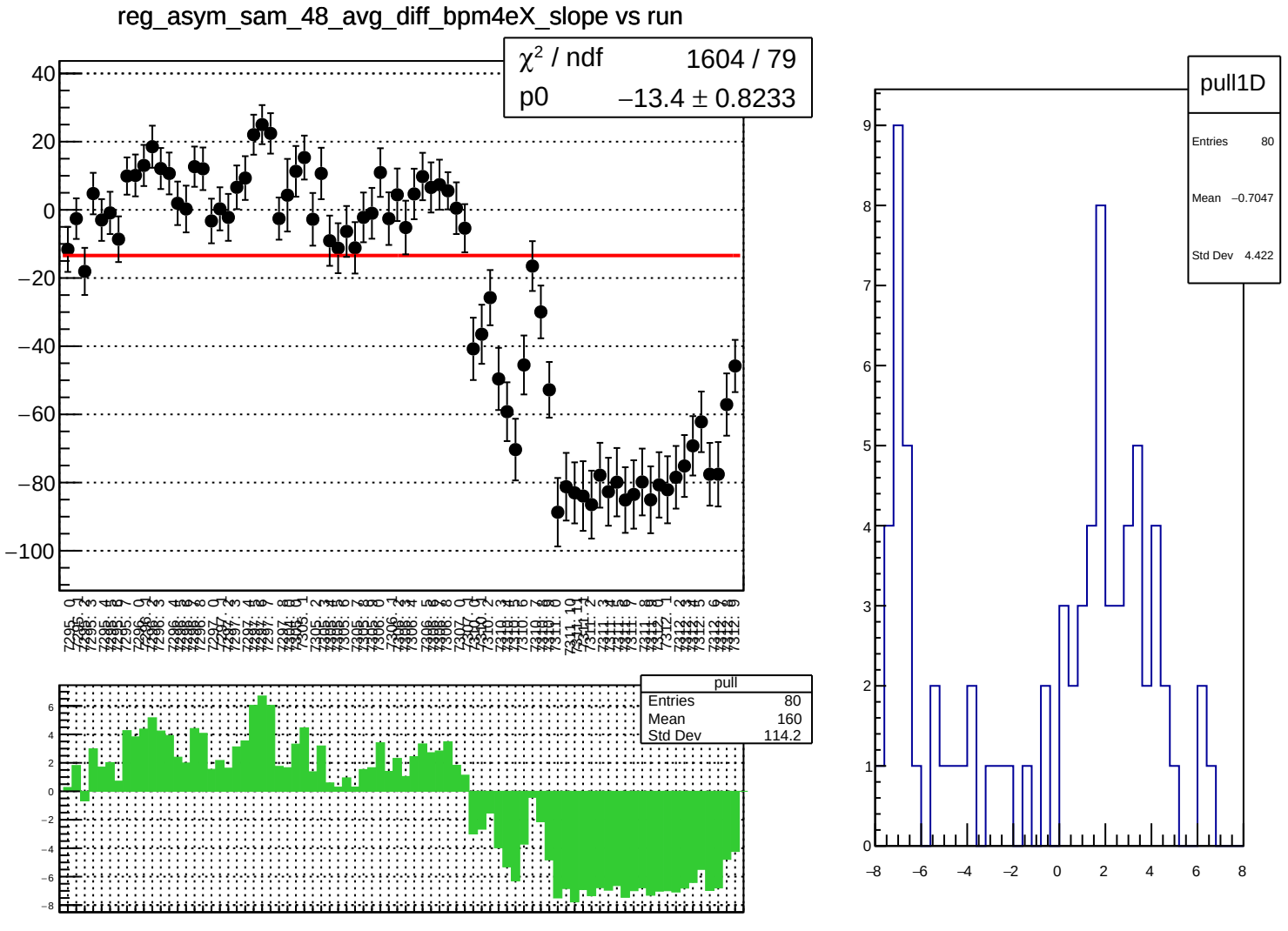

pull1D
Entries 80
Mean 0.02696
Std Dev 0.447

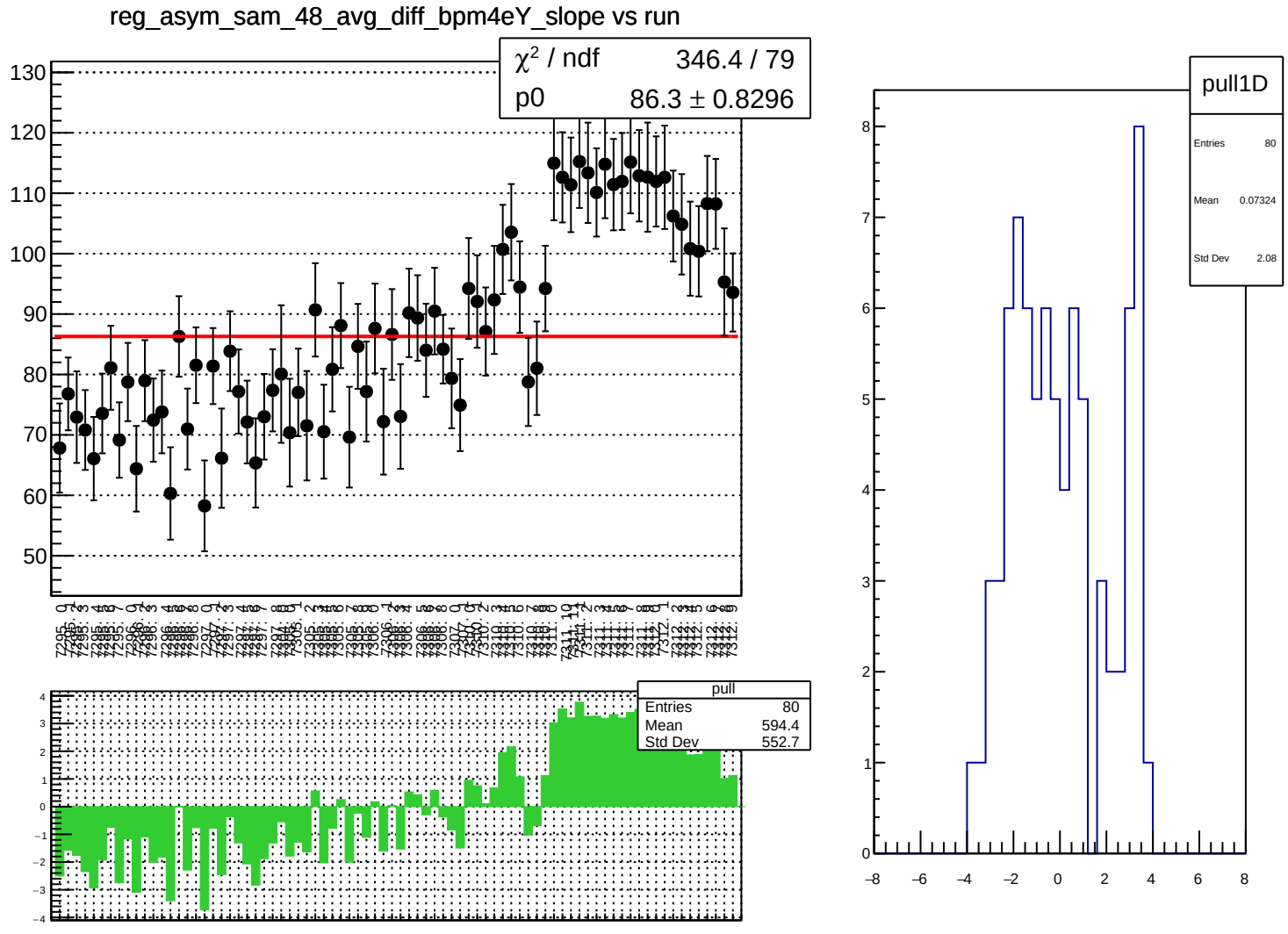

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 71.56 / 79
p0 0.8057 ± 0.04854
pull
Entries 80
Mean 90.08
Std Dev 37.74
pull1D
Entries 80
Mean 0.1992
Std Dev 0.9245

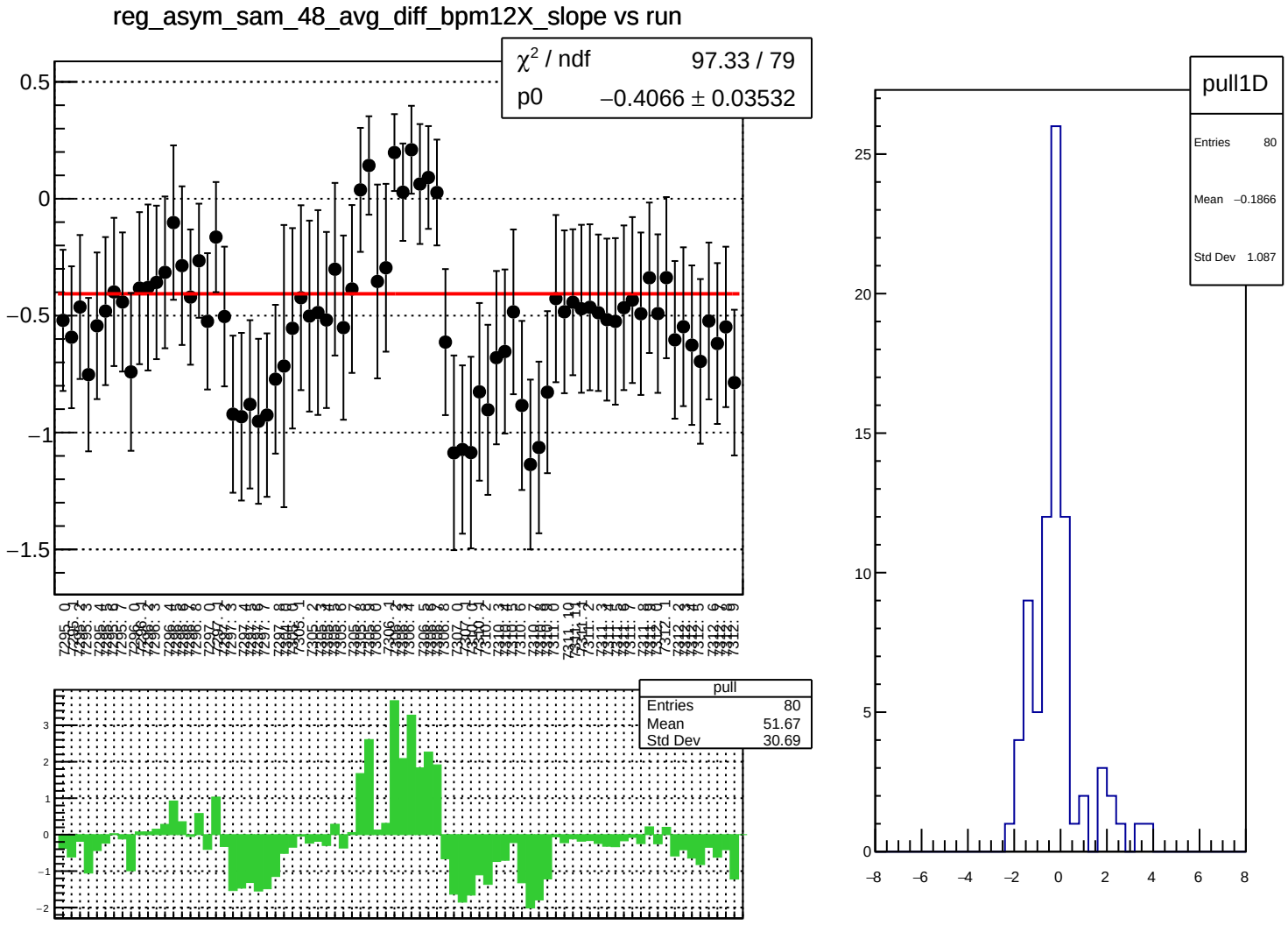

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1988 / 79
p0 −81.59 ± 0.8317
pull
Entries 80
Mean 163.6
Std Dev 117.3
pull1D
Entries 80
Mean 0.5458
Std Dev 4.835

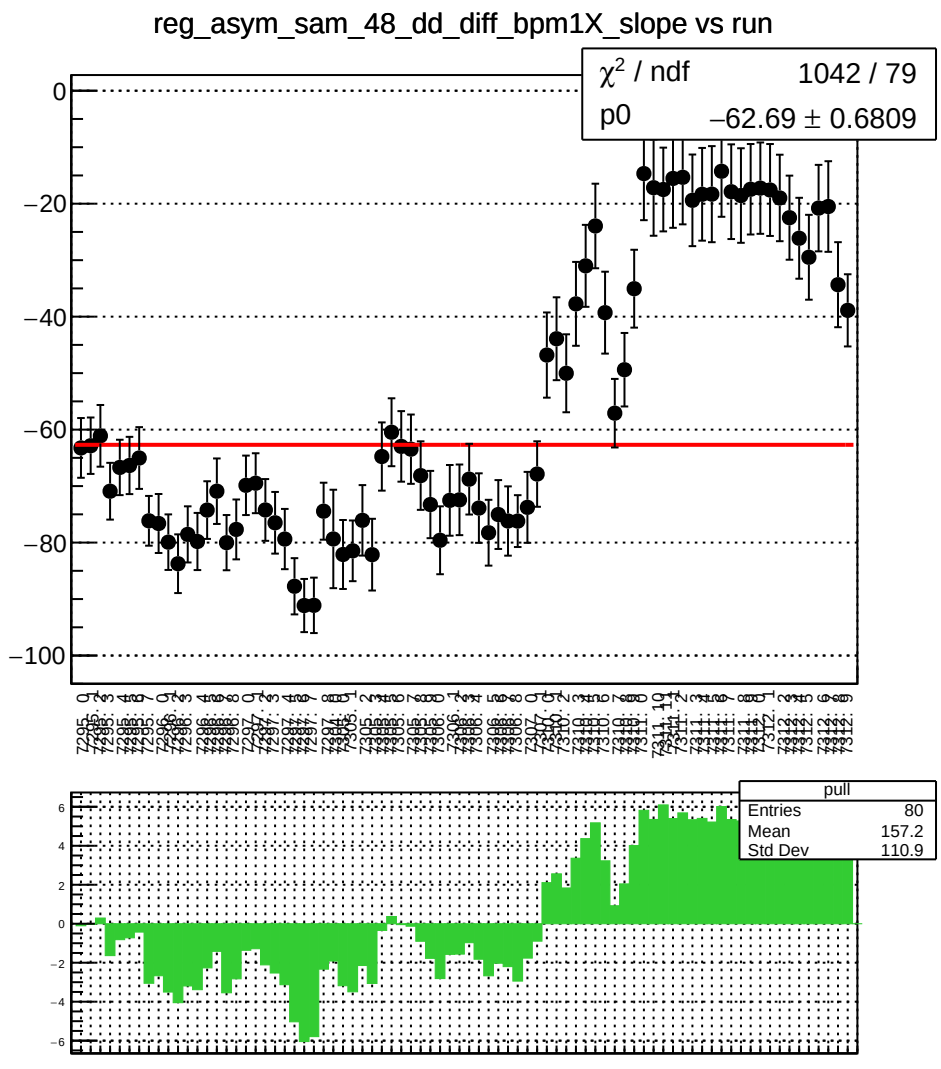

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 647 / 79
p0 19.42 ± 0.7725
60
40
20
0
−20
pull
Entries 80
Mean 1460
Std Dev 1417
4
2
0
−2
−4

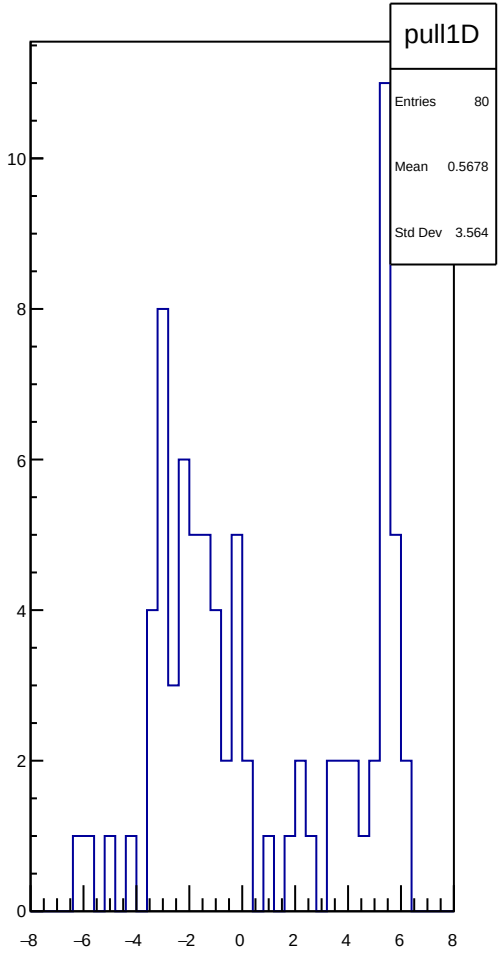

pull1D
Entries 80
Mean −0.03872
Std Dev 2.844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

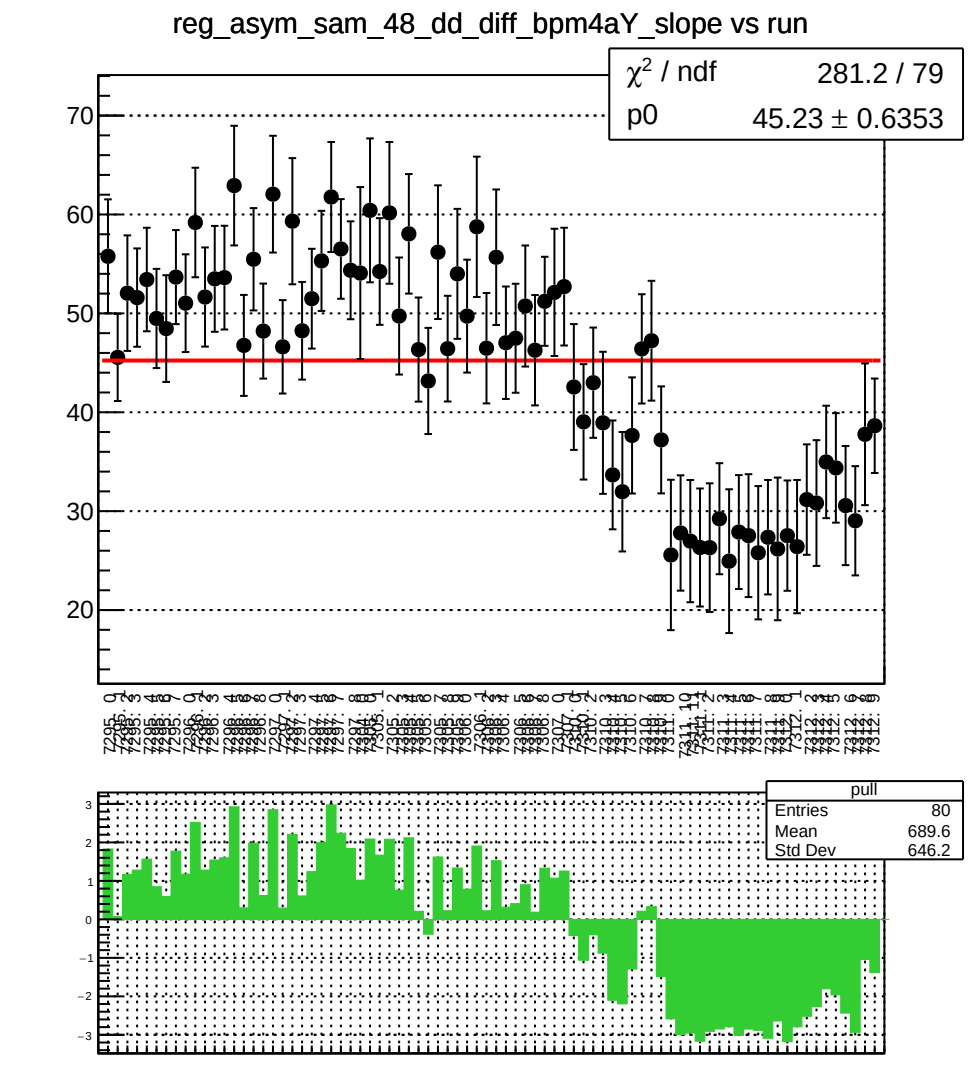

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1604 / 79
p0 −13.4 ± 0.8233
pull
Entries 80
Mean 160
Std Dev 114.2
pull1D
Entries 80
Mean −0.7047
Std Dev 4.422

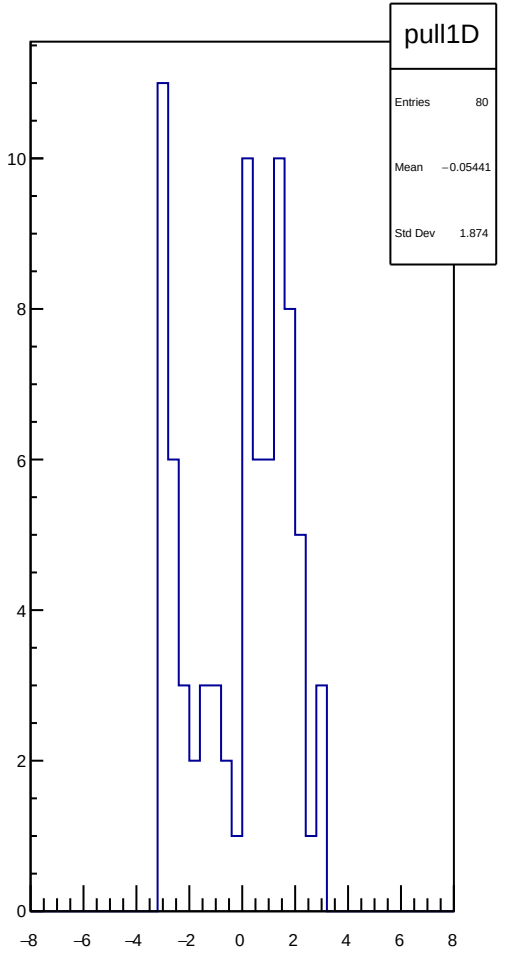

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 346.4 / 79
p0 86.3 ± 0.8296
pull
Entries 80
Mean 594.4
Std Dev 552.7
pull1D
Entries 80
Mean 0.07324
Std Dev 2.08

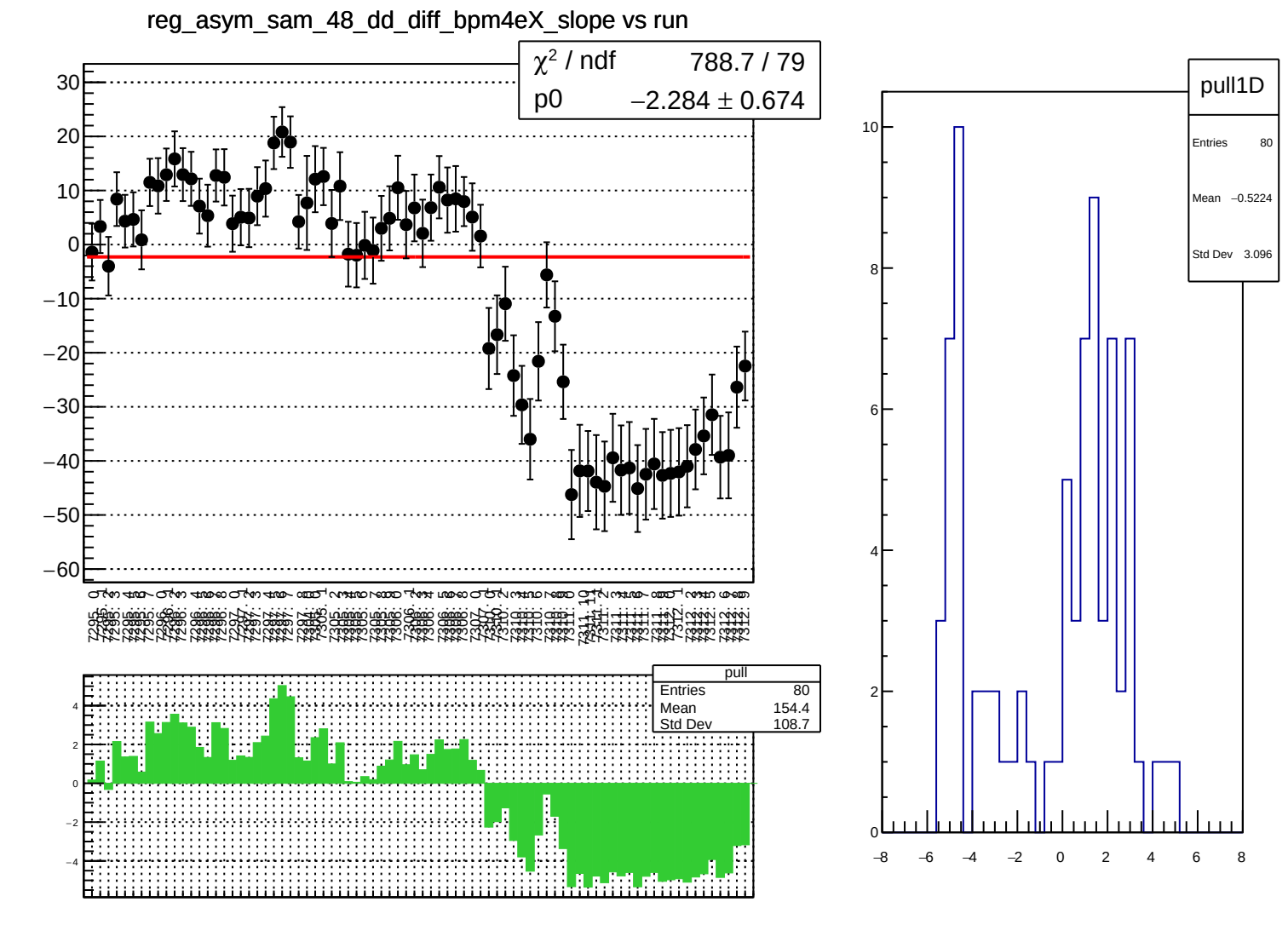

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 97.33 / 79
p0 −0.4066 ± 0.03532
pull
Entries 80
Mean 51.67
Std Dev 30.69
pull1D
Entries 80
Mean −0.1866
Std Dev 1.087

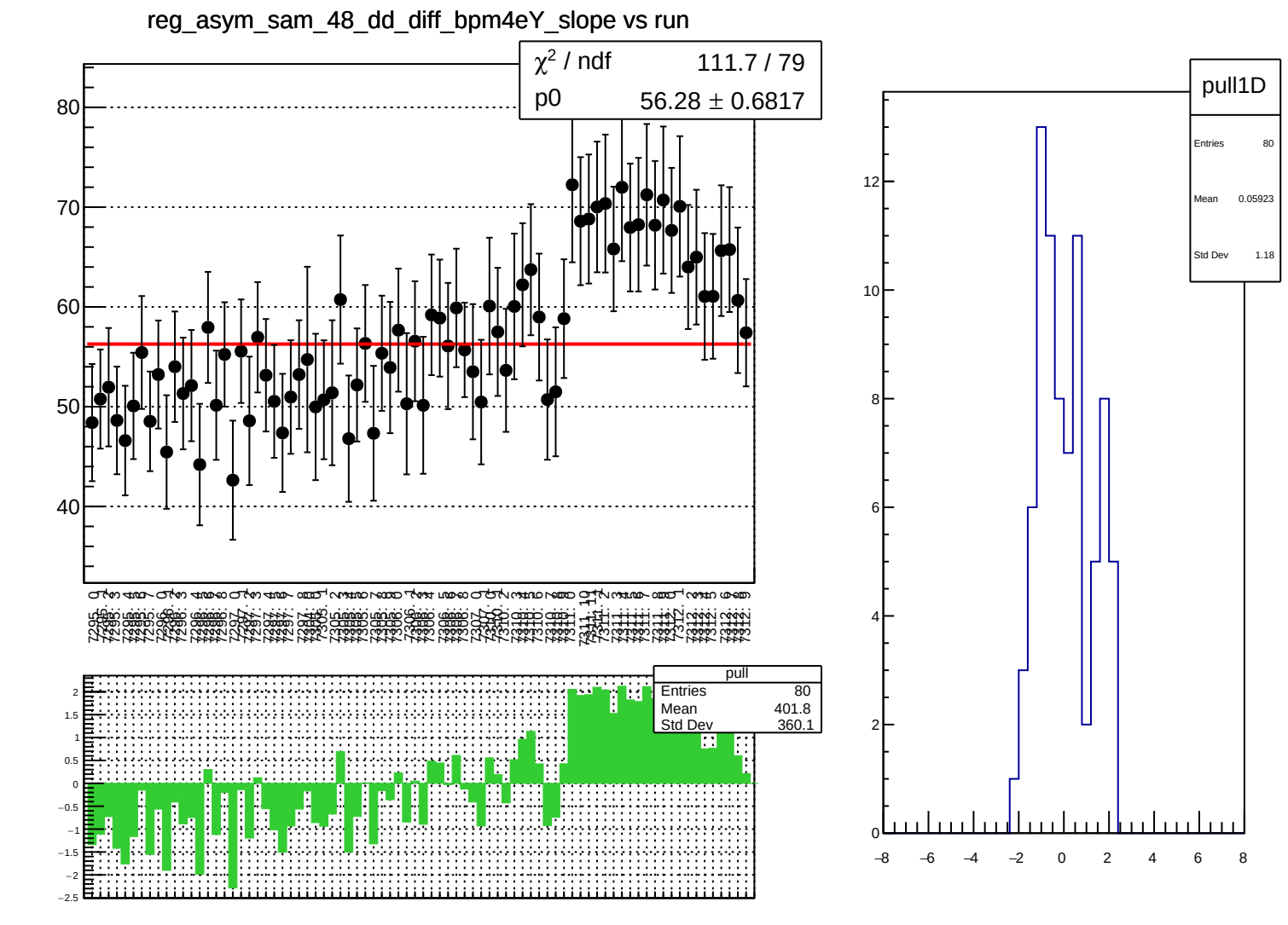

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1042 / 79
p0 −62.69 ± 0.6809
pull
Entries 80
Mean 157.2
Std Dev 110.9

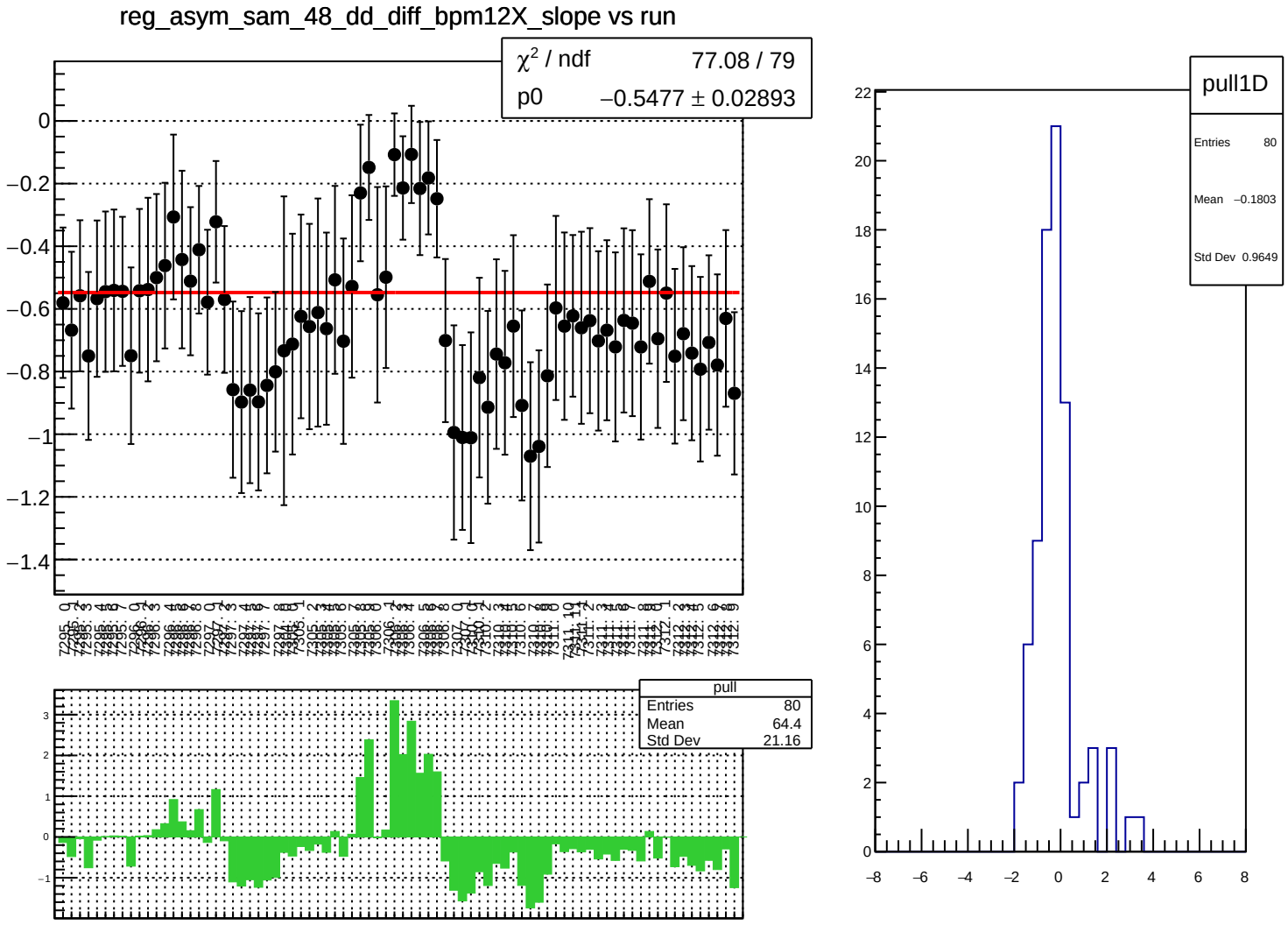

pull1D
Entries 80
Mean 0.5678
Std Dev 3.564

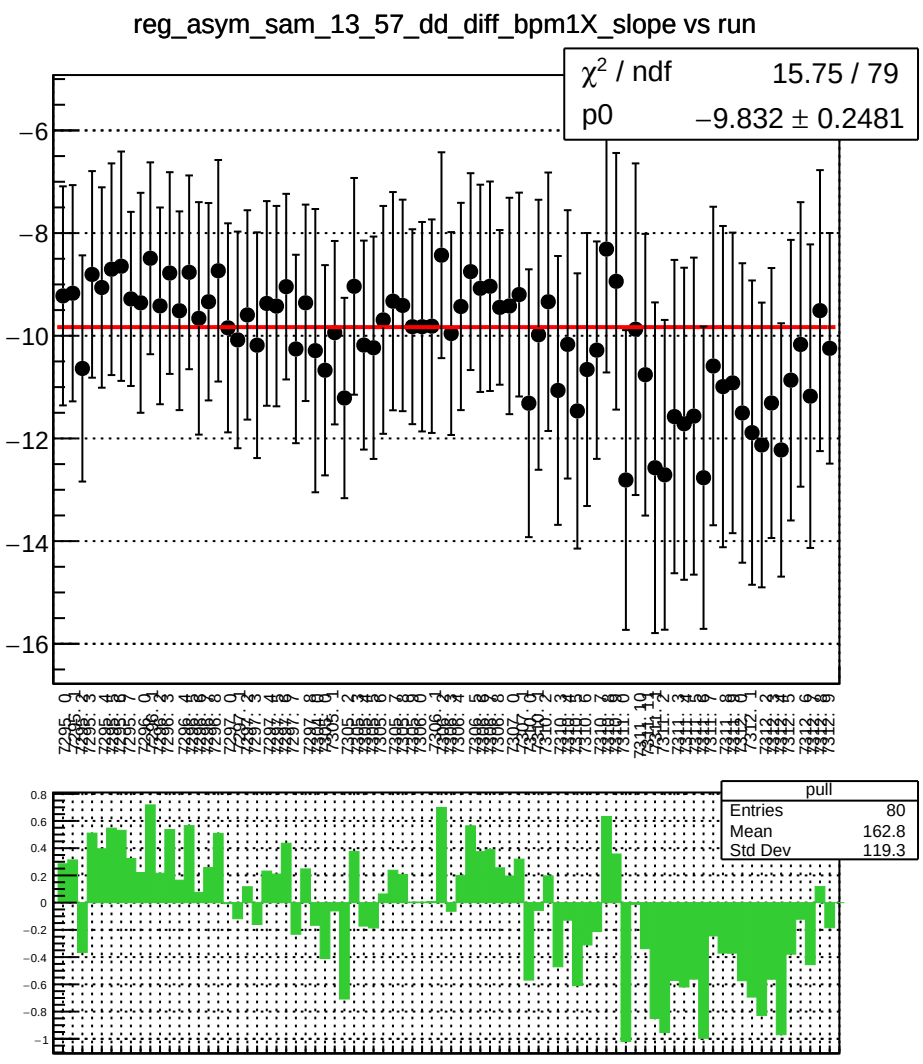

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 281.2 / 79
p0 45.23 ± 0.6353
pull
Entries 80
Mean 689.6
Std Dev 646.2

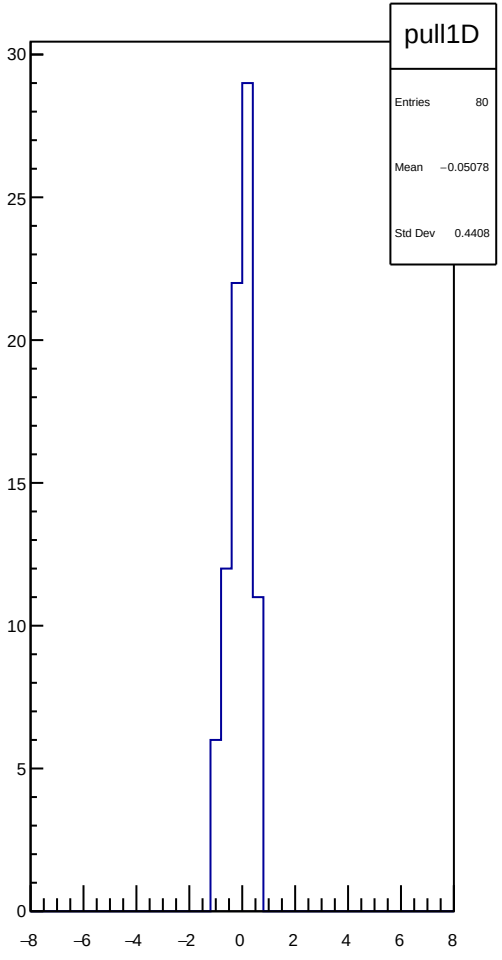

pull1D
Entries 80
Mean −0.05441
Std Dev 1.874

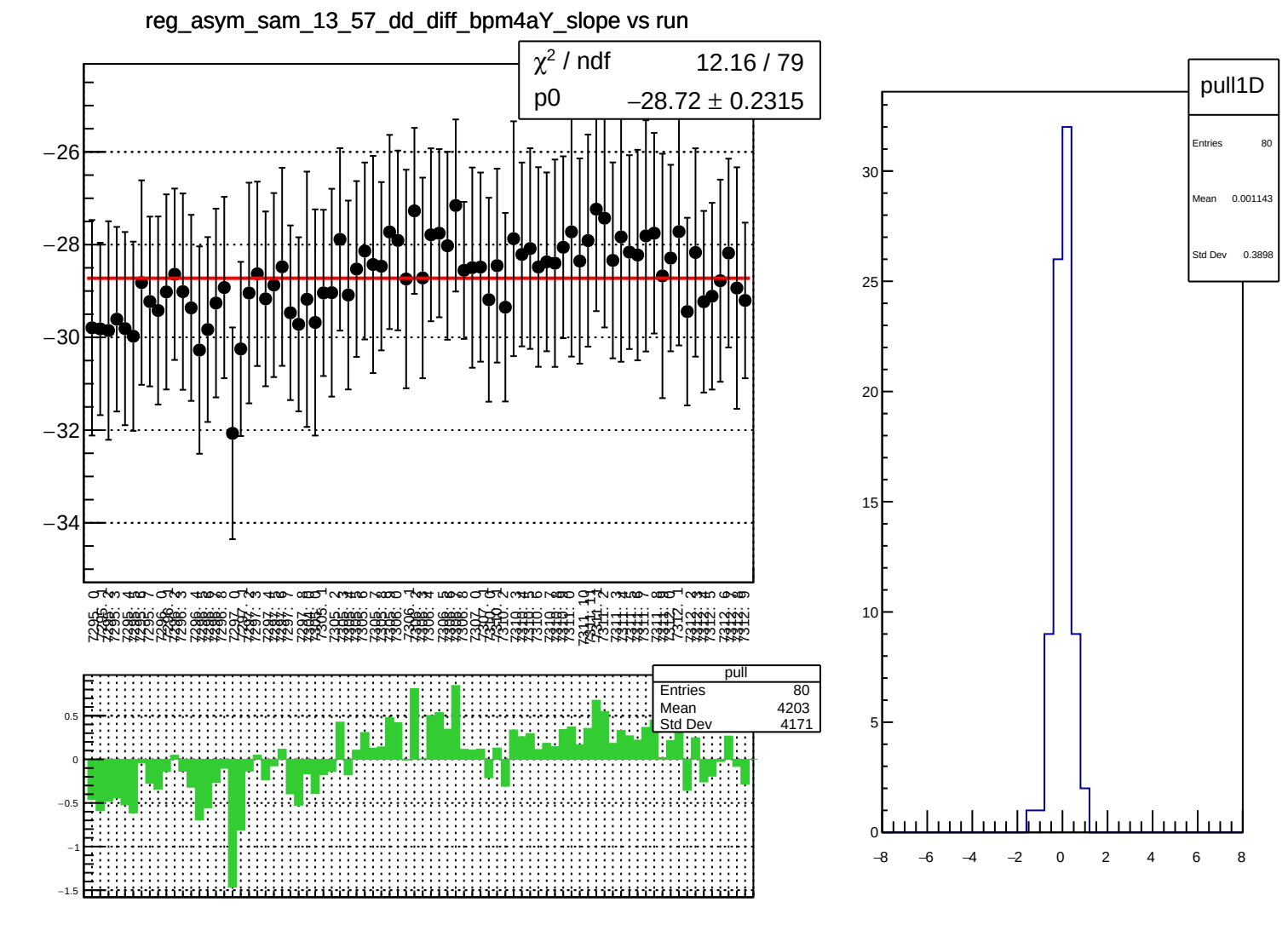

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 788.7 / 79
p0 −2.284 ± 0.674
pull
Entries 80
Mean 154.4
Std Dev 108.7
pull1D
Entries 80
Mean −0.5224
Std Dev 3.096

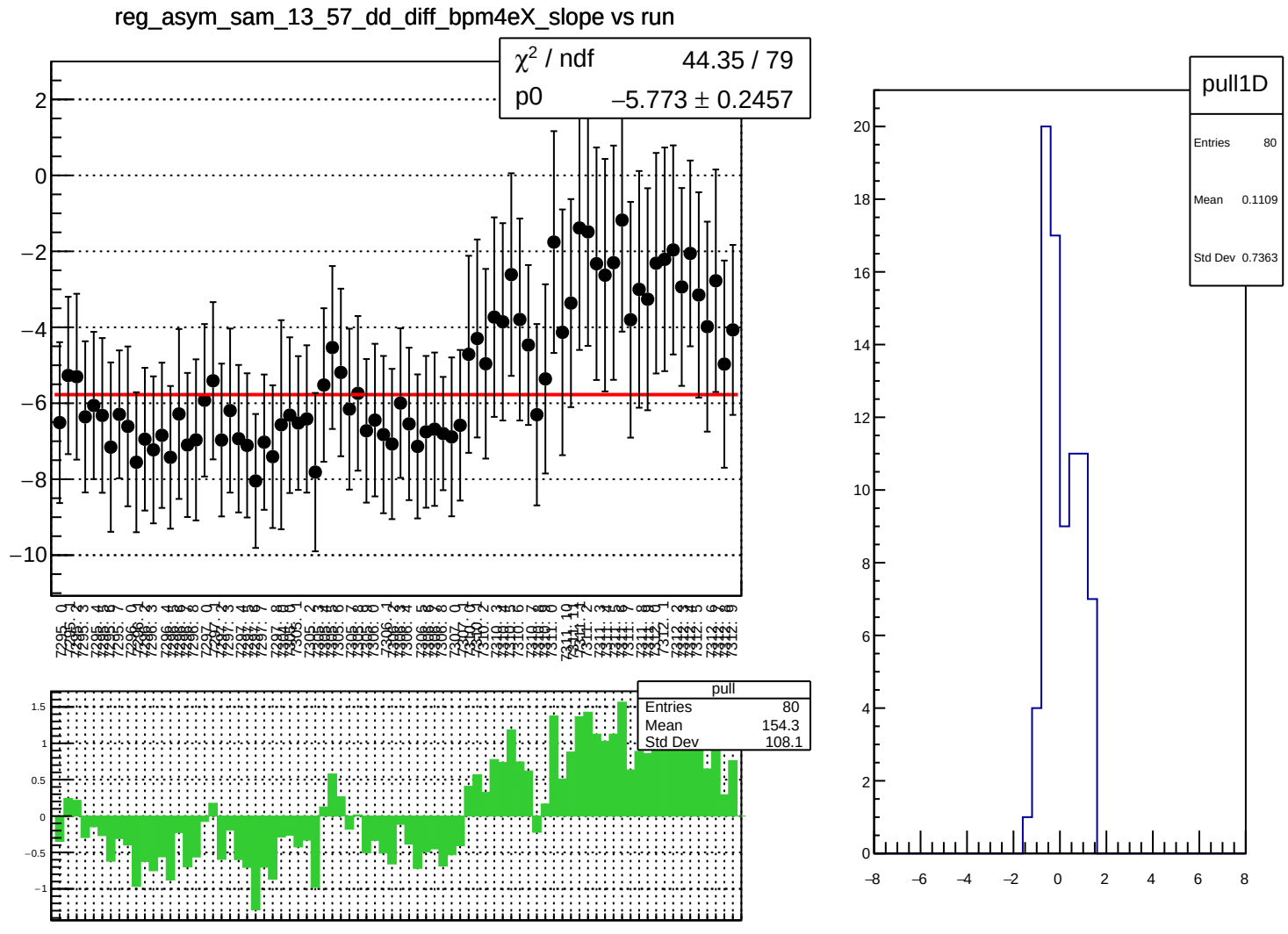

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 111.7 / 79
p0 56.28 ± 0.6817
pull
Entries 80
Mean 401.8
Std Dev 360.1
pull1D
Entries 80
Mean 0.05923
Std Dev 1.18

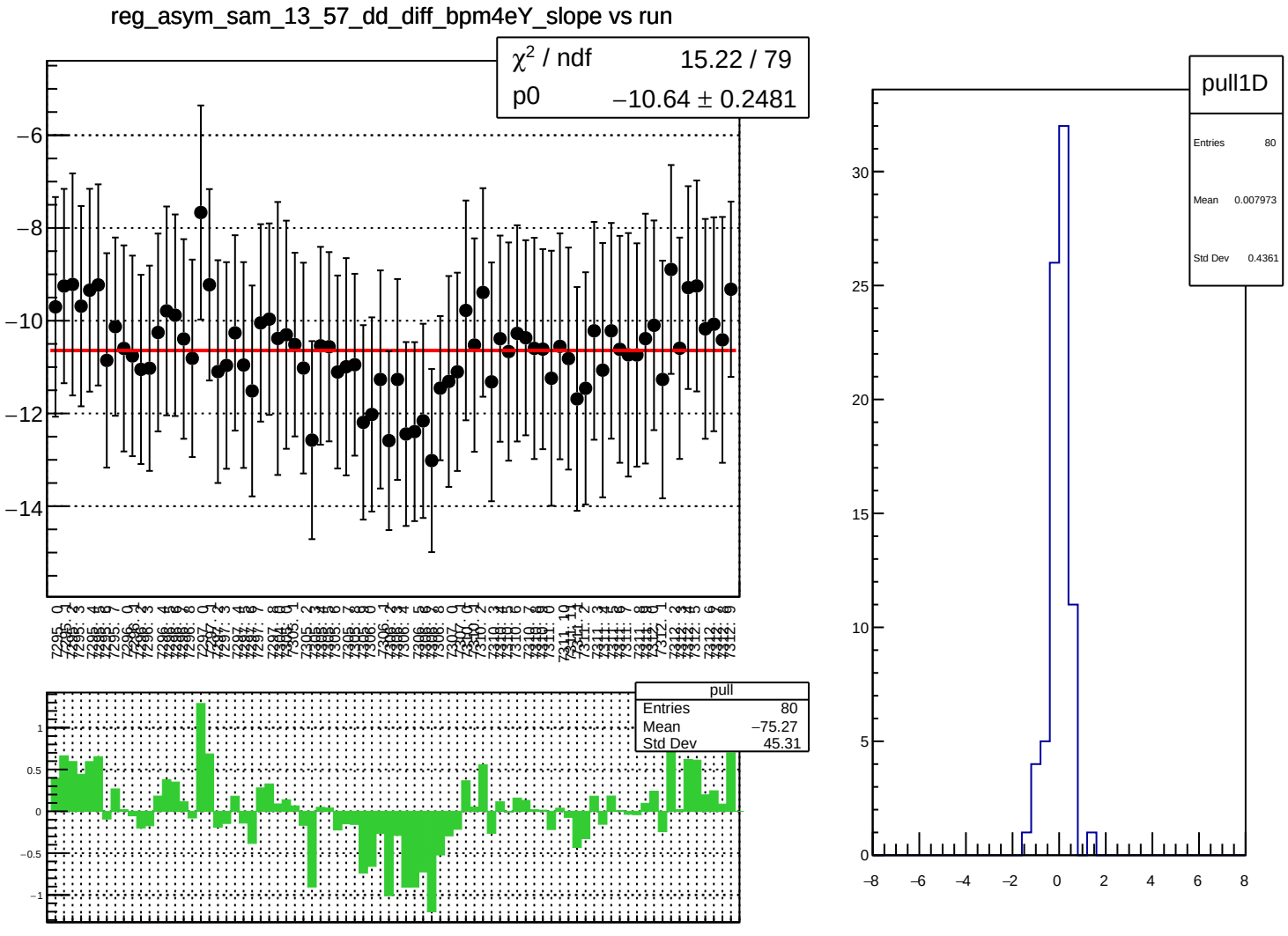

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.08 / 79
p0 −0.5477 ± 0.02893
pull
Entries 80
Mean 64.4
Std Dev 21.16
pull1D
Entries 80
Mean −0.1803
Std Dev 0.9649

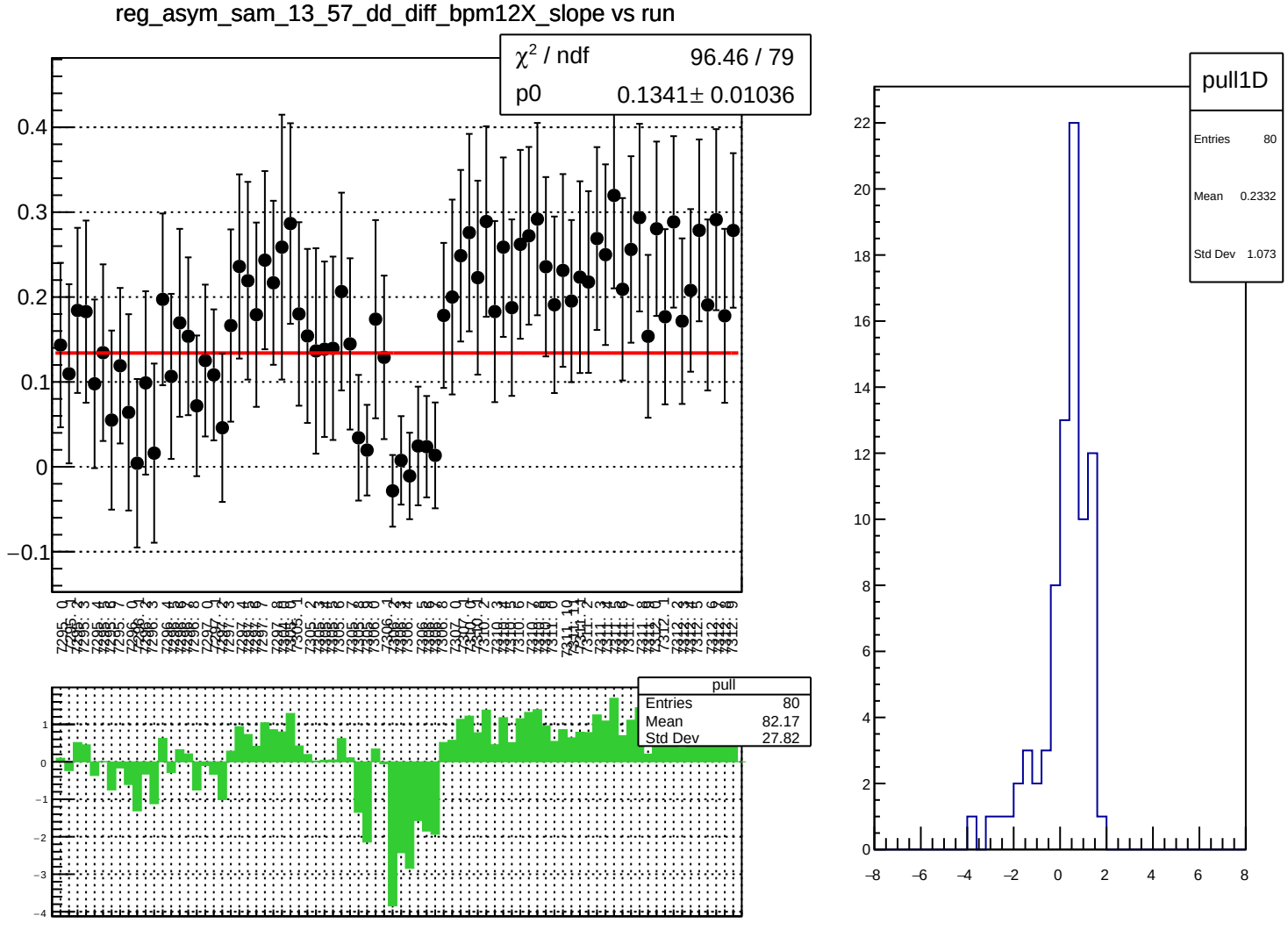

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 15.75 / 79
p0 −9.832 ± 0.2481
pull
Entries 80
Mean 162.8
Std Dev 119.3

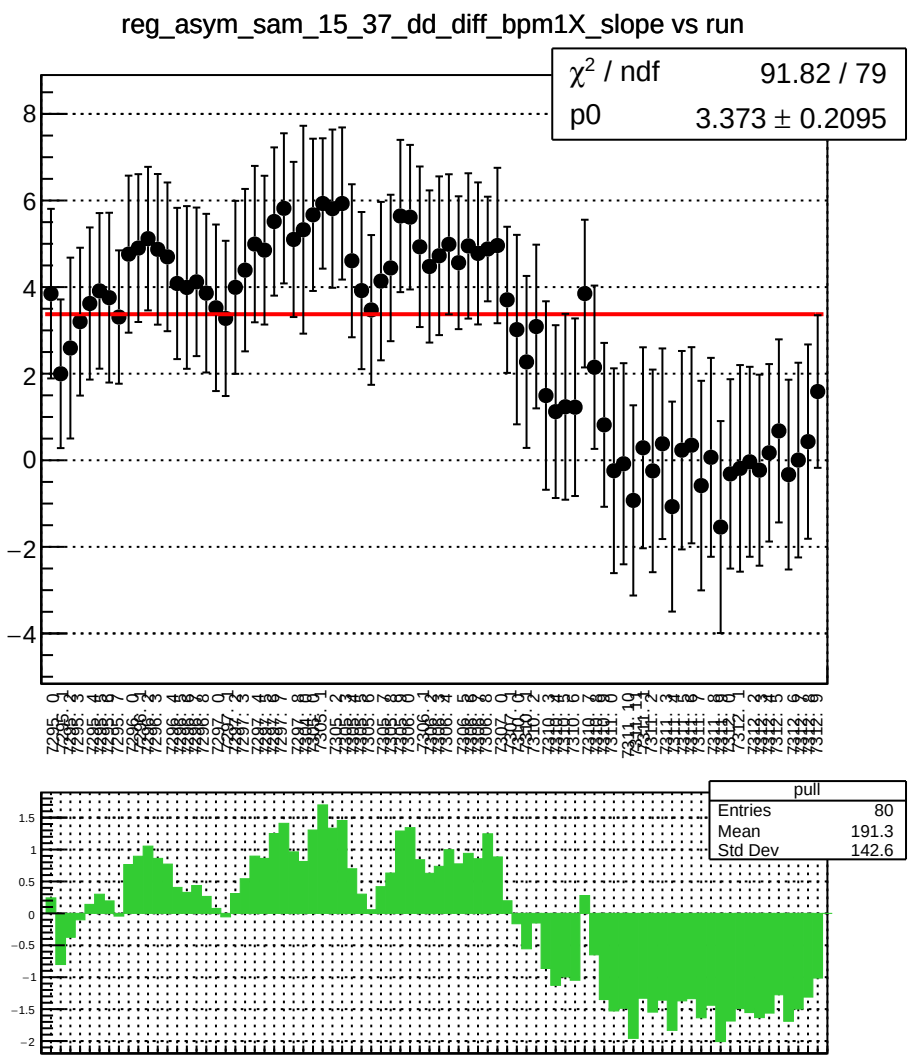

pull1D
Entries 80
Mean −0.05078
Std Dev 0.4408

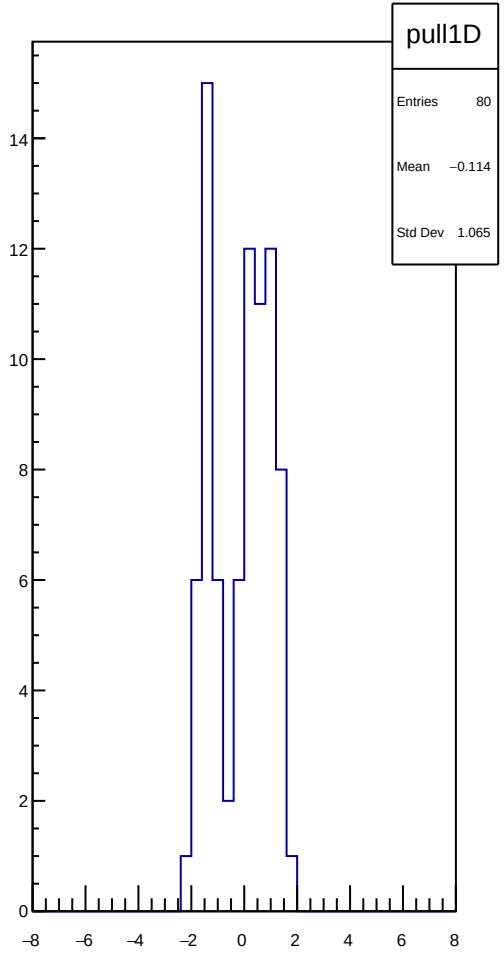

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.16 / 79
p0 −28.72 ± 0.2315
−26
−28
−30
−32
−34
pull
Entries 80
Mean 4203
Std Dev 4171
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.001143
Std Dev 0.3898
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

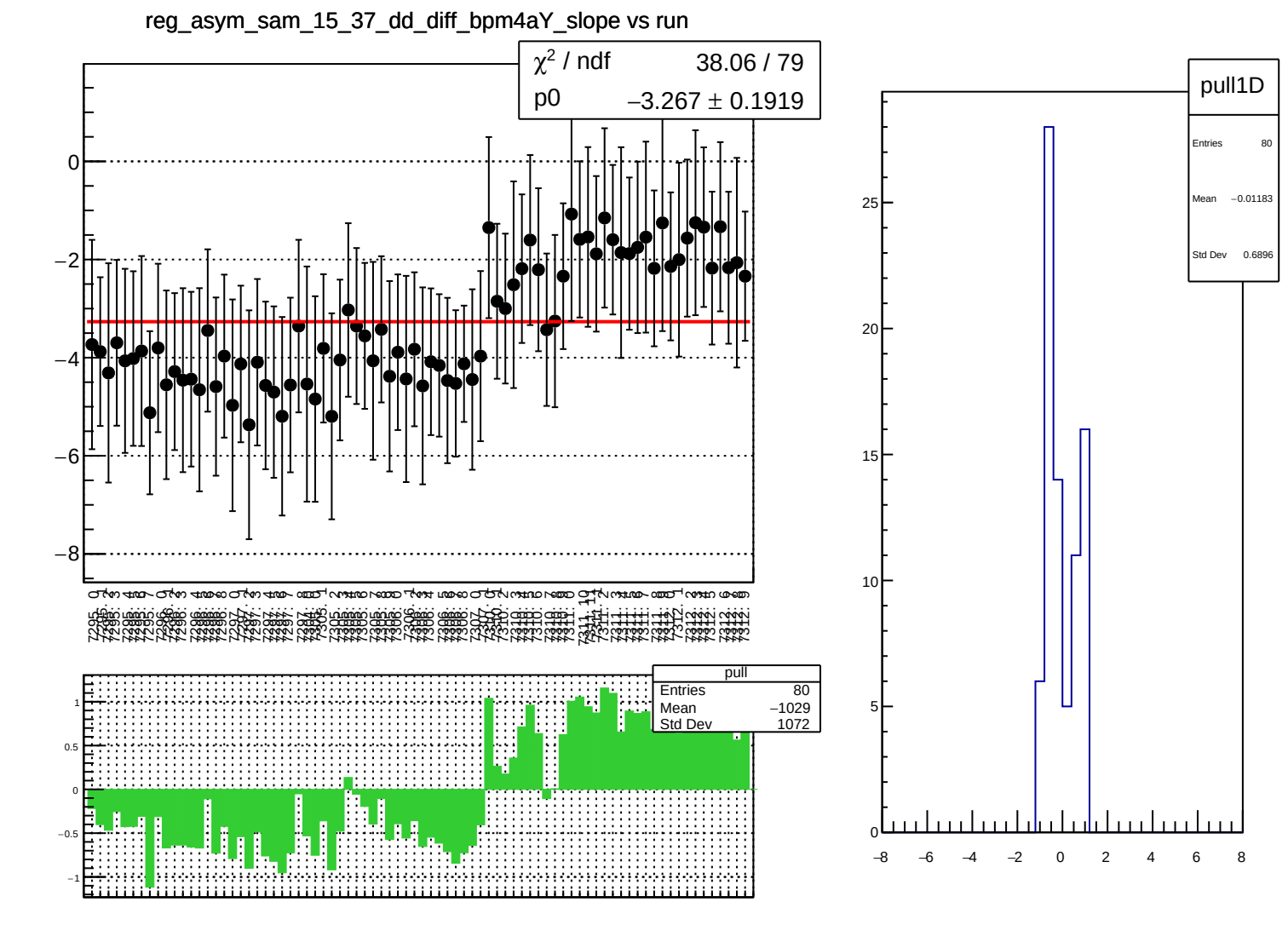

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.35 / 79
p0 −5.773 ± 0.2457
pull
Entries 80
Mean 154.3
Std Dev 108.1
pull1D
Entries 80
Mean 0.1109
Std Dev 0.7363

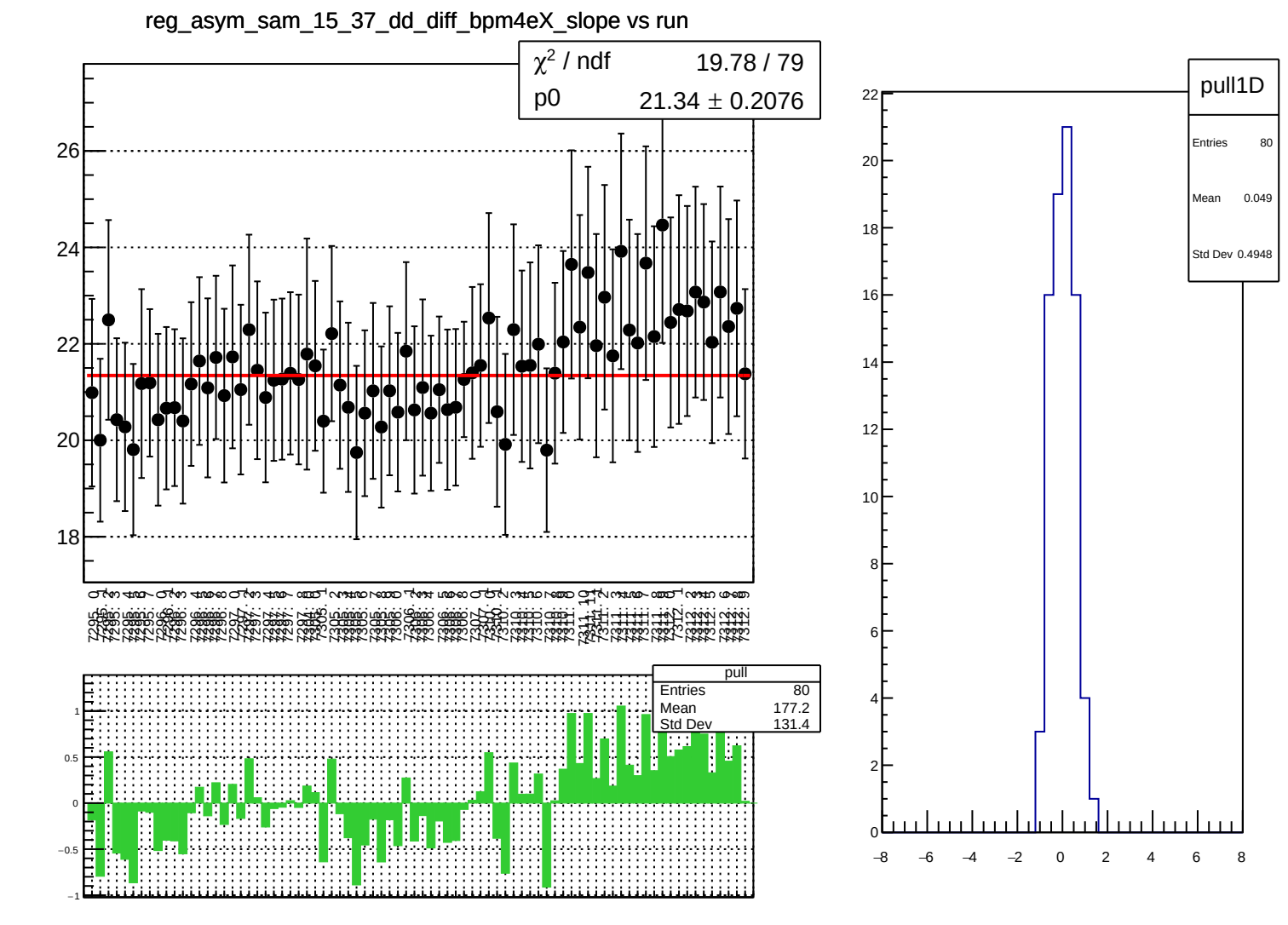

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.22 / 79
p0 −10.64 ± 0.2481
pull
Entries 80
Mean −75.27
Std Dev 45.31
pull1D
Entries 80
Mean 0.007973
Std Dev 0.4361

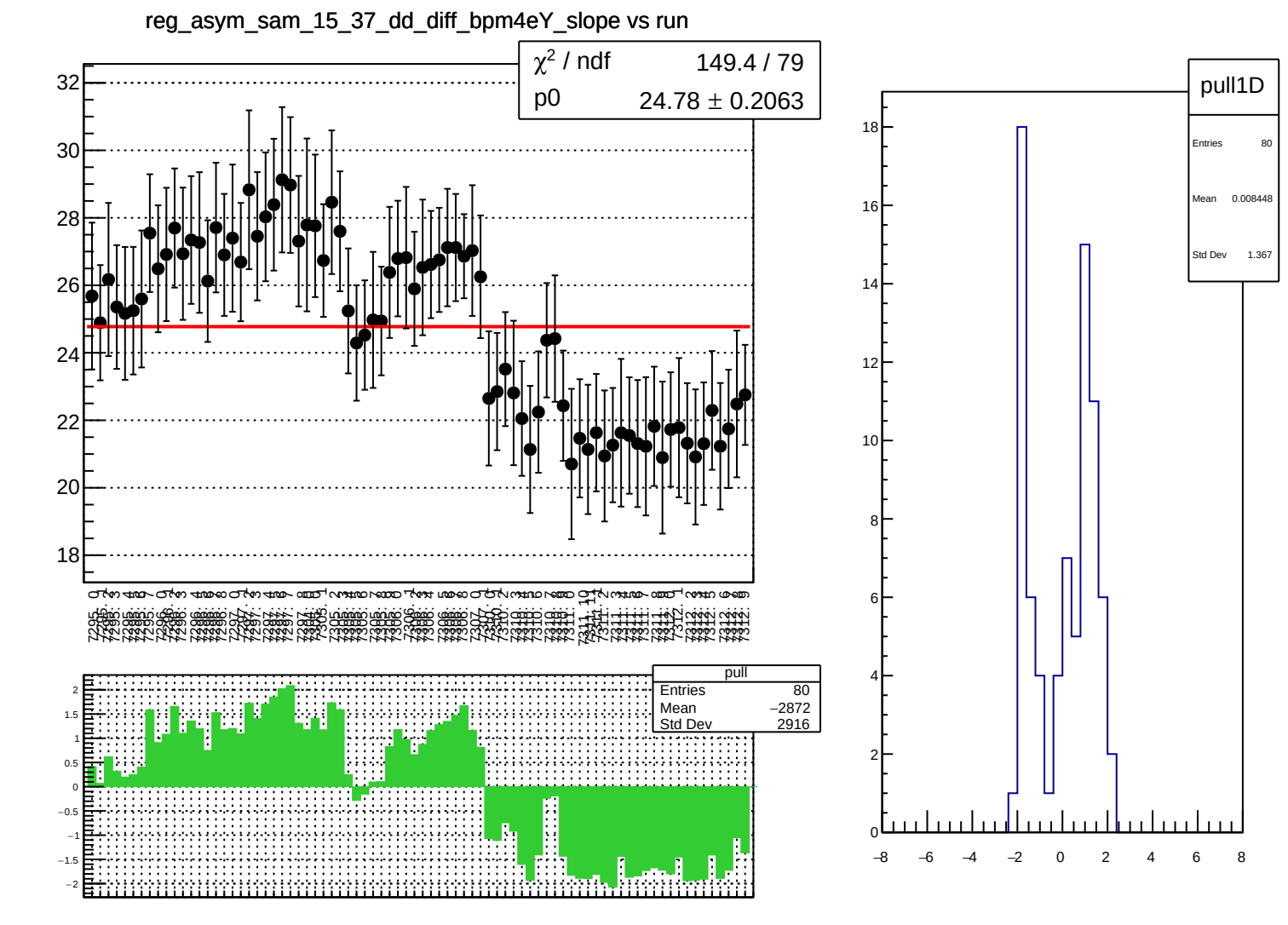

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 96.46 / 79
p0 0.1341± 0.01036
pull
Entries 80
Mean 82.17
Std Dev 27.82
pull1D
Entries 80
Mean 0.2332
Std Dev 1.073

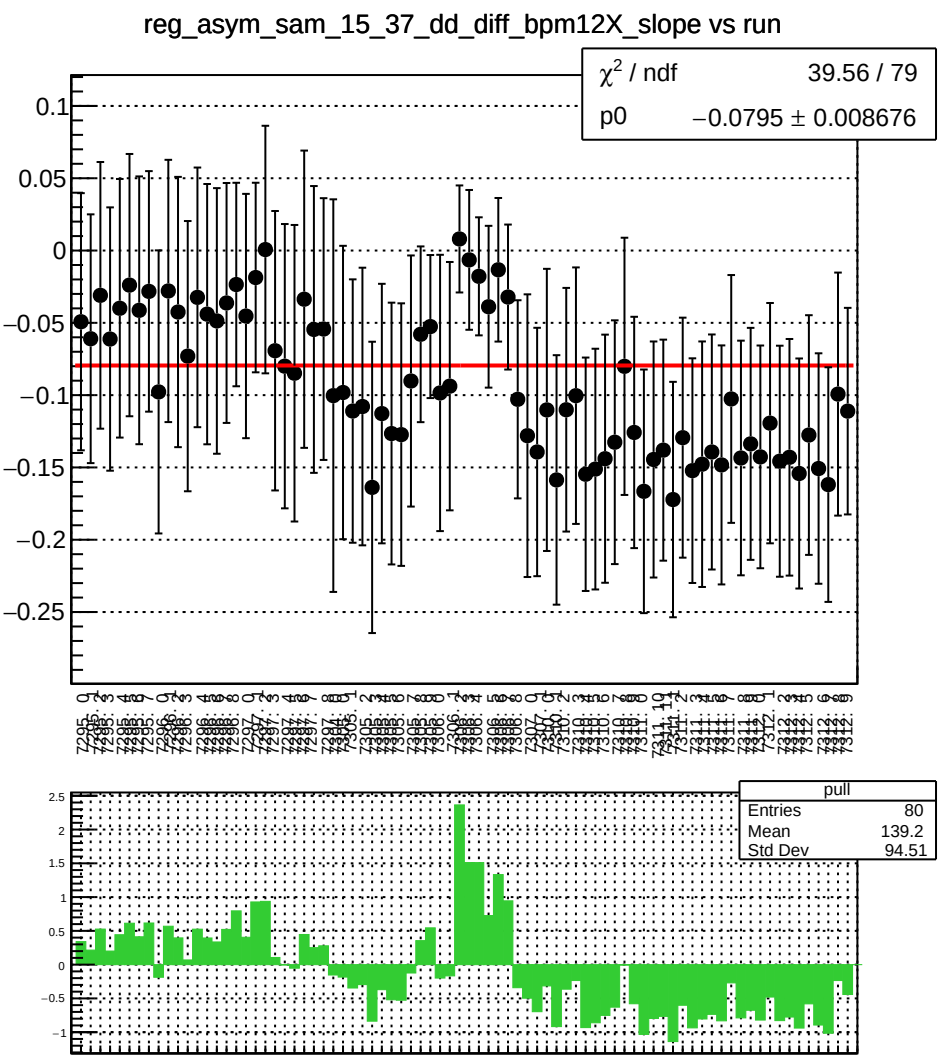

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 91.82 / 79
p0 3.373 ± 0.2095
pull
Entries 80
Mean 191.3
Std Dev 142.6

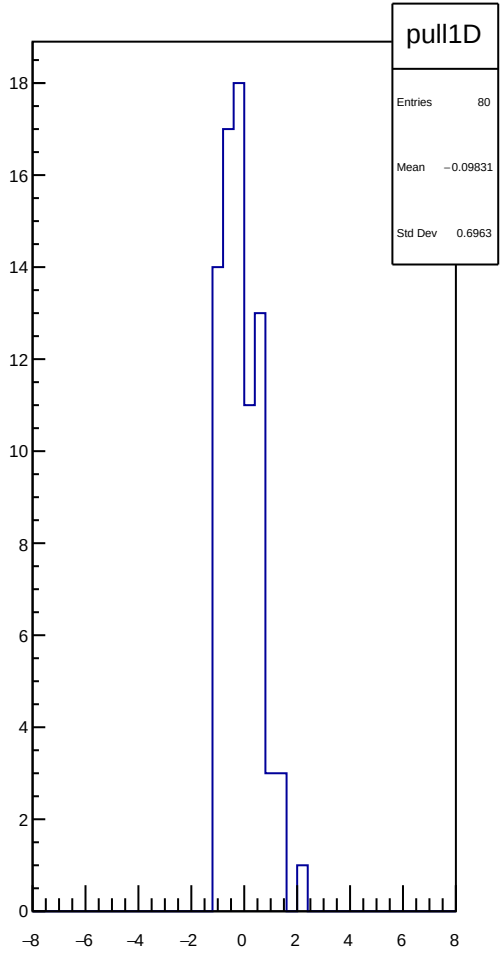

pull1D
Entries 80
Mean −0.114
Std Dev 1.065

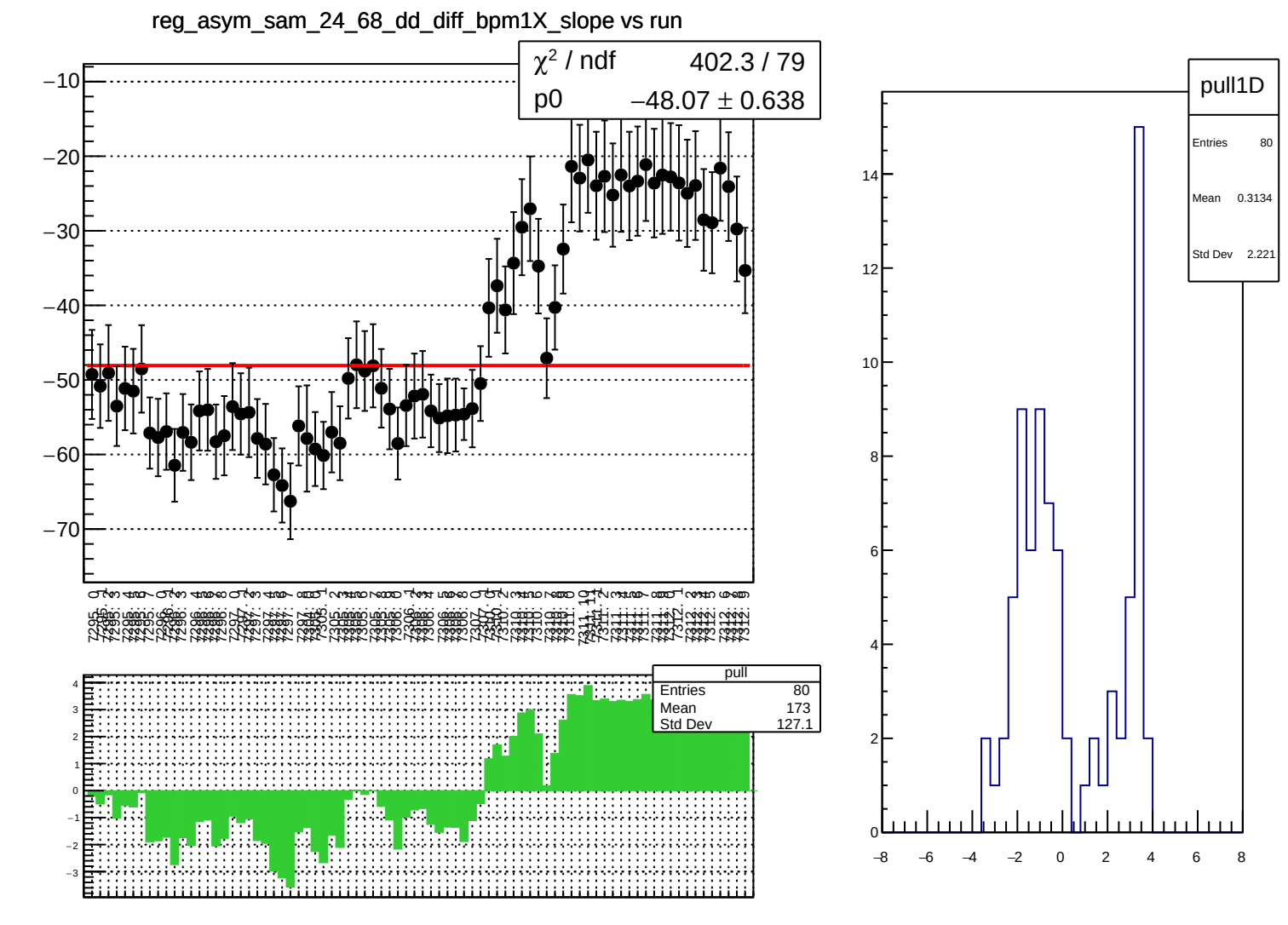

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.06 / 79
p0 −3.267 ± 0.1919
pull
Entries 80
Mean −1029
Std Dev 1072
pull1D
Entries 80
Mean −0.01183
Std Dev 0.6896

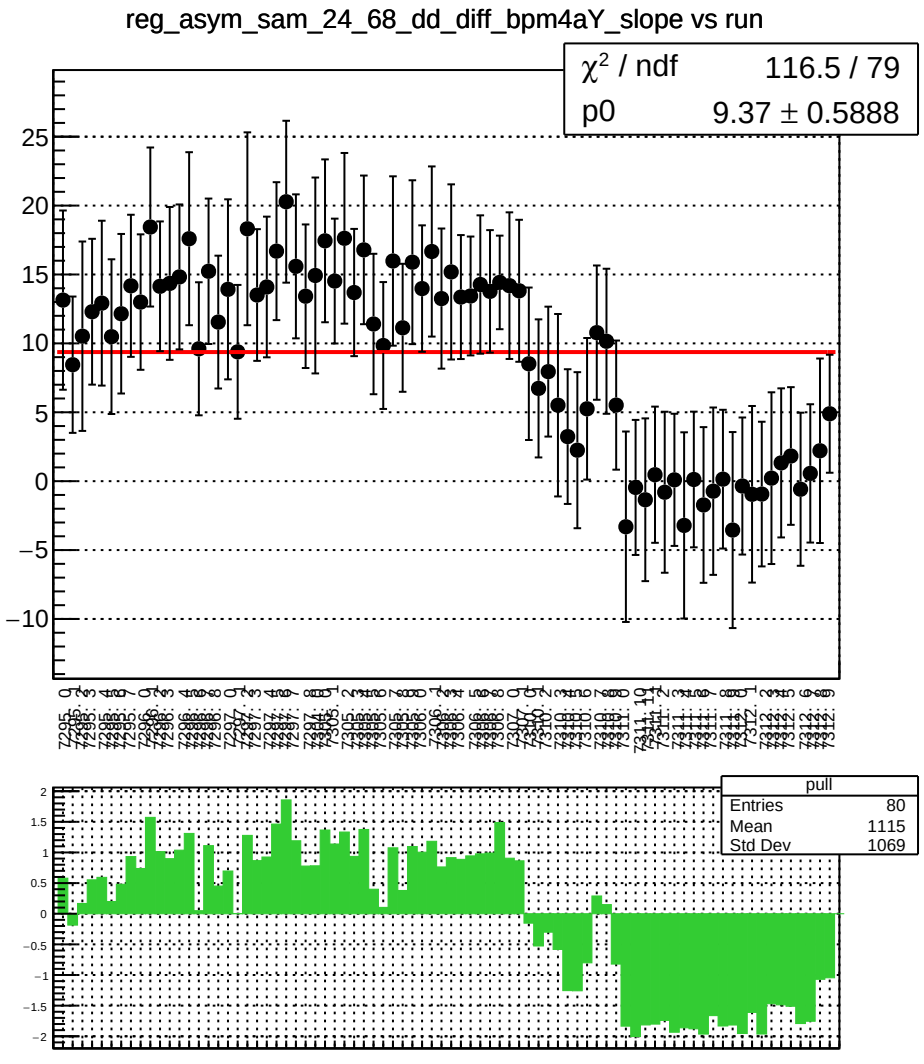

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.78 / 79
p0 21.34 ± 0.2076
pull
Entries 80
Mean 177.2
Std Dev 131.4
pull1D
Entries 80
Mean 0.049
Std Dev 0.4948

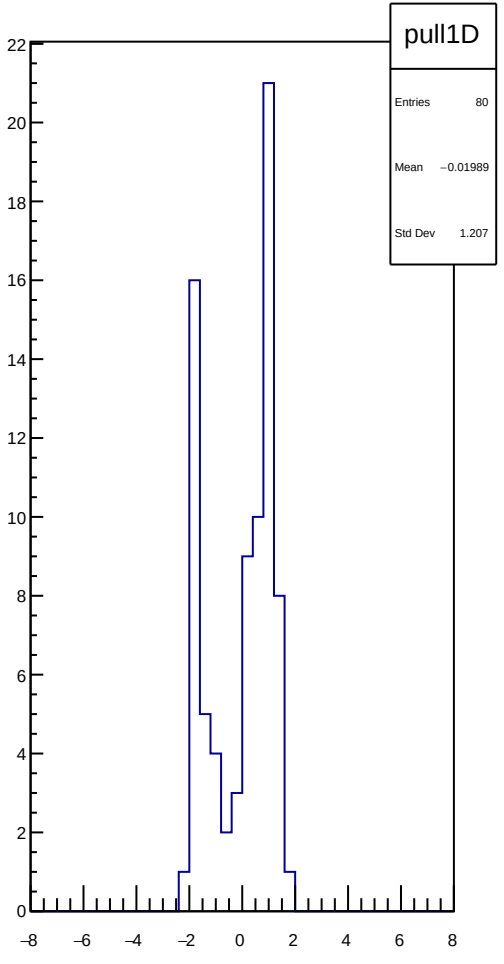

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 149.4 / 79
p0 24.78 ± 0.2063
pull
Entries 80
Mean −2872
Std Dev 2916
pull1D
Entries 80
Mean 0.008448
Std Dev 1.367

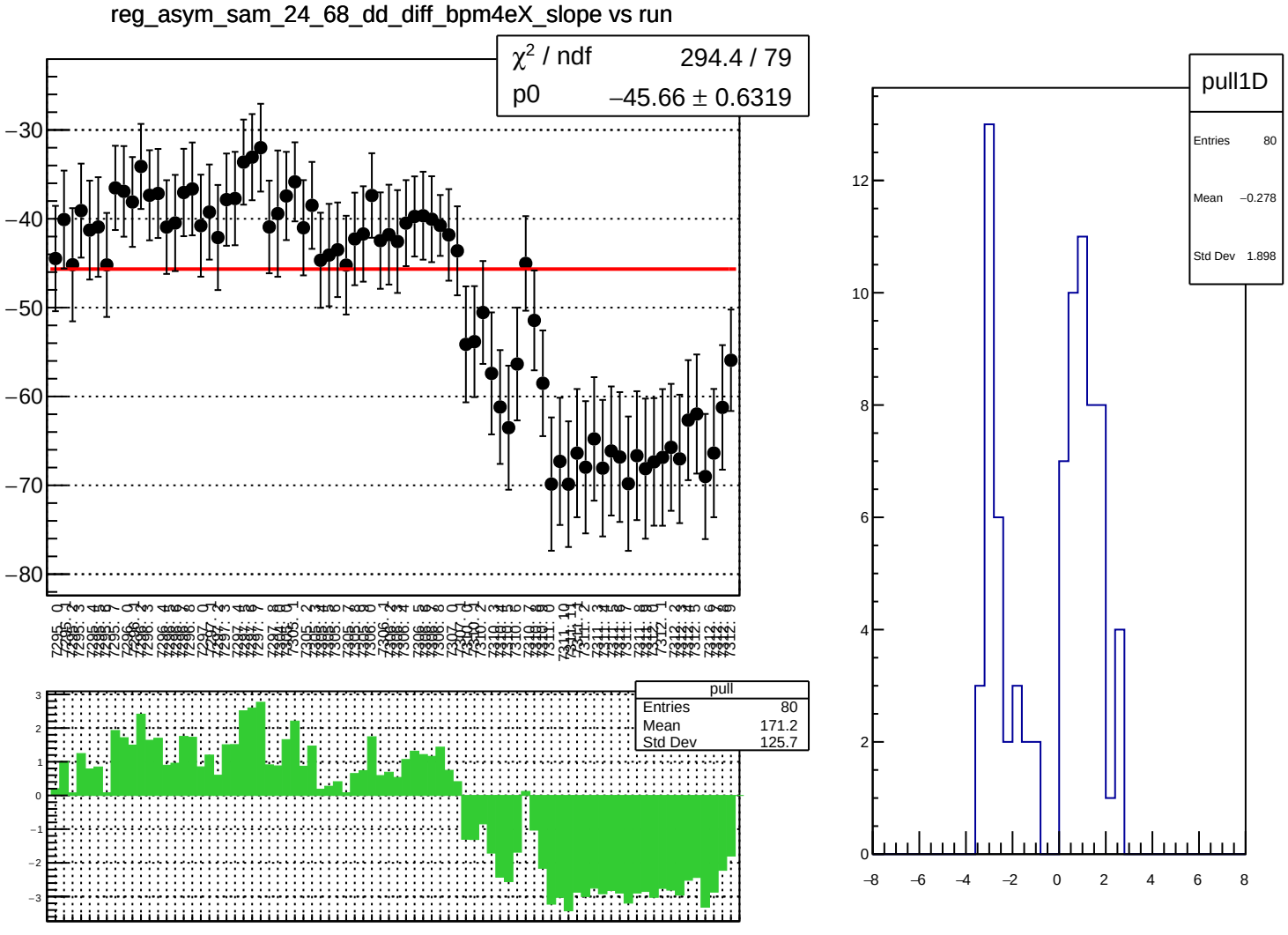

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 39.56 / 79
p0 −0.0795 ± 0.008676
pull
Entries 80
Mean 139.2
Std Dev 94.51

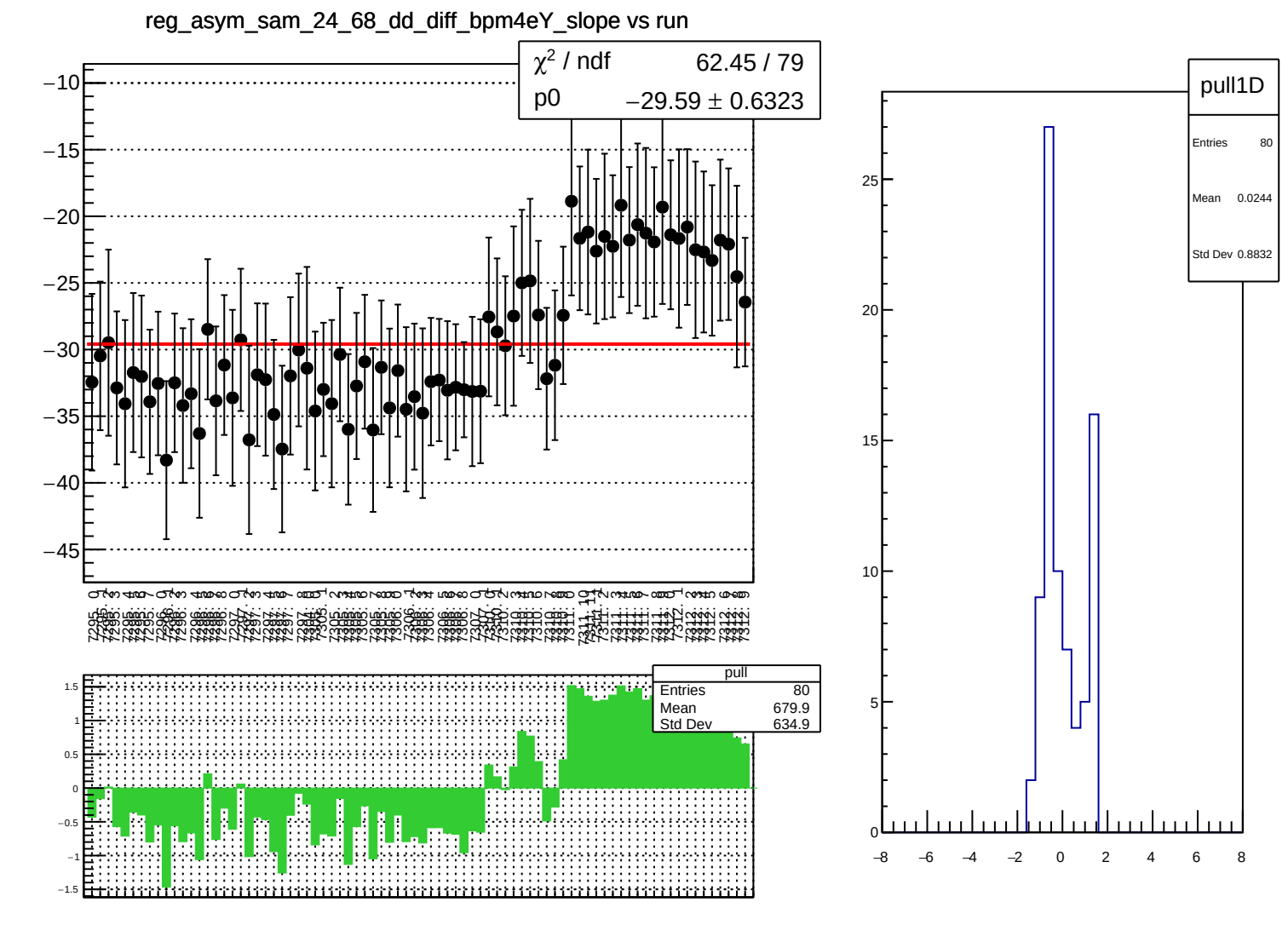

pull1D
Entries 80
Mean −0.09831
Std Dev 0.6963

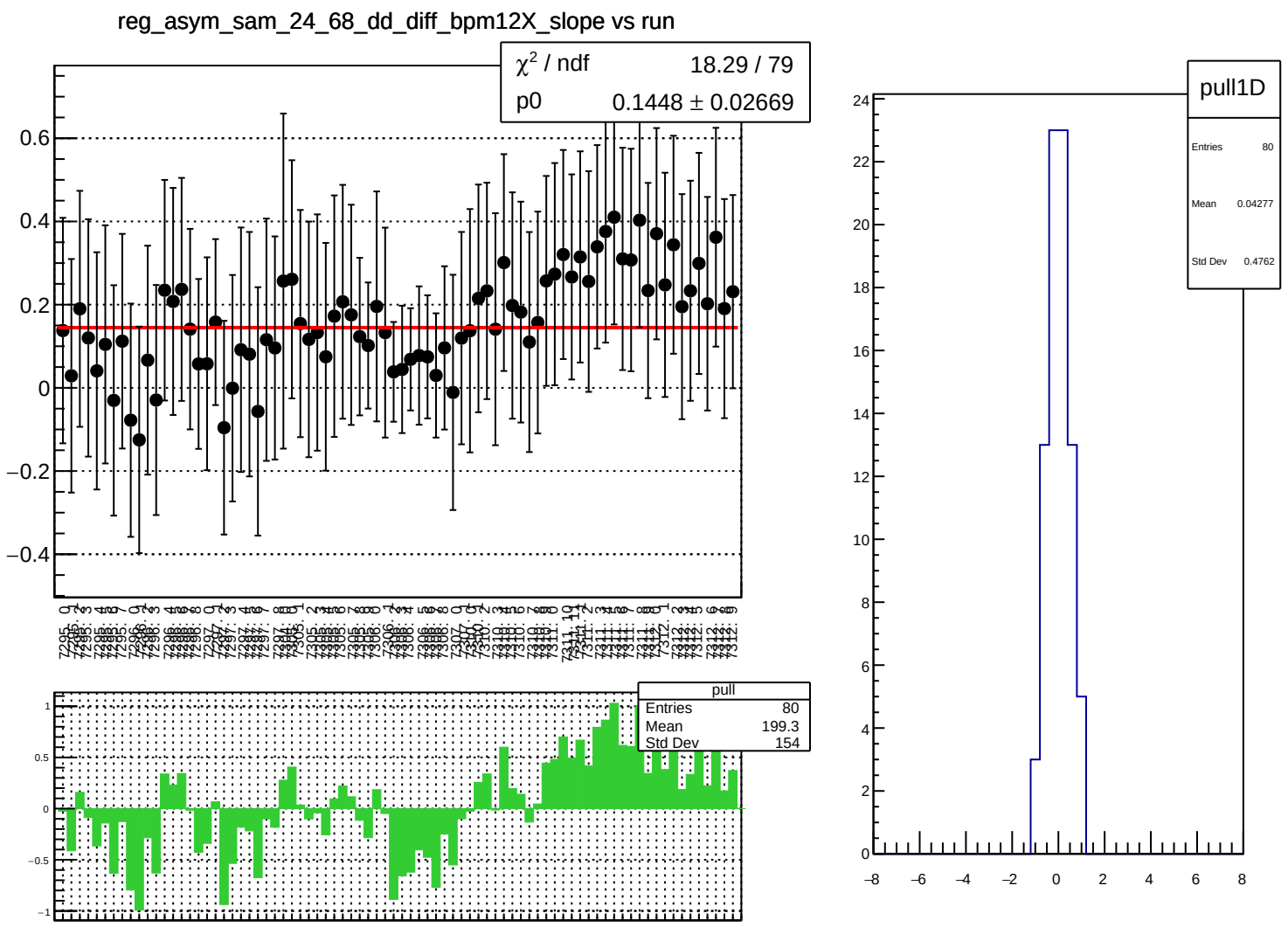

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 402.3 / 79
p0 −48.07 ± 0.638
pull
Entries 80
Mean 173
Std Dev 127.1
pull1D
Entries 80
Mean 0.3134
Std Dev 2.221

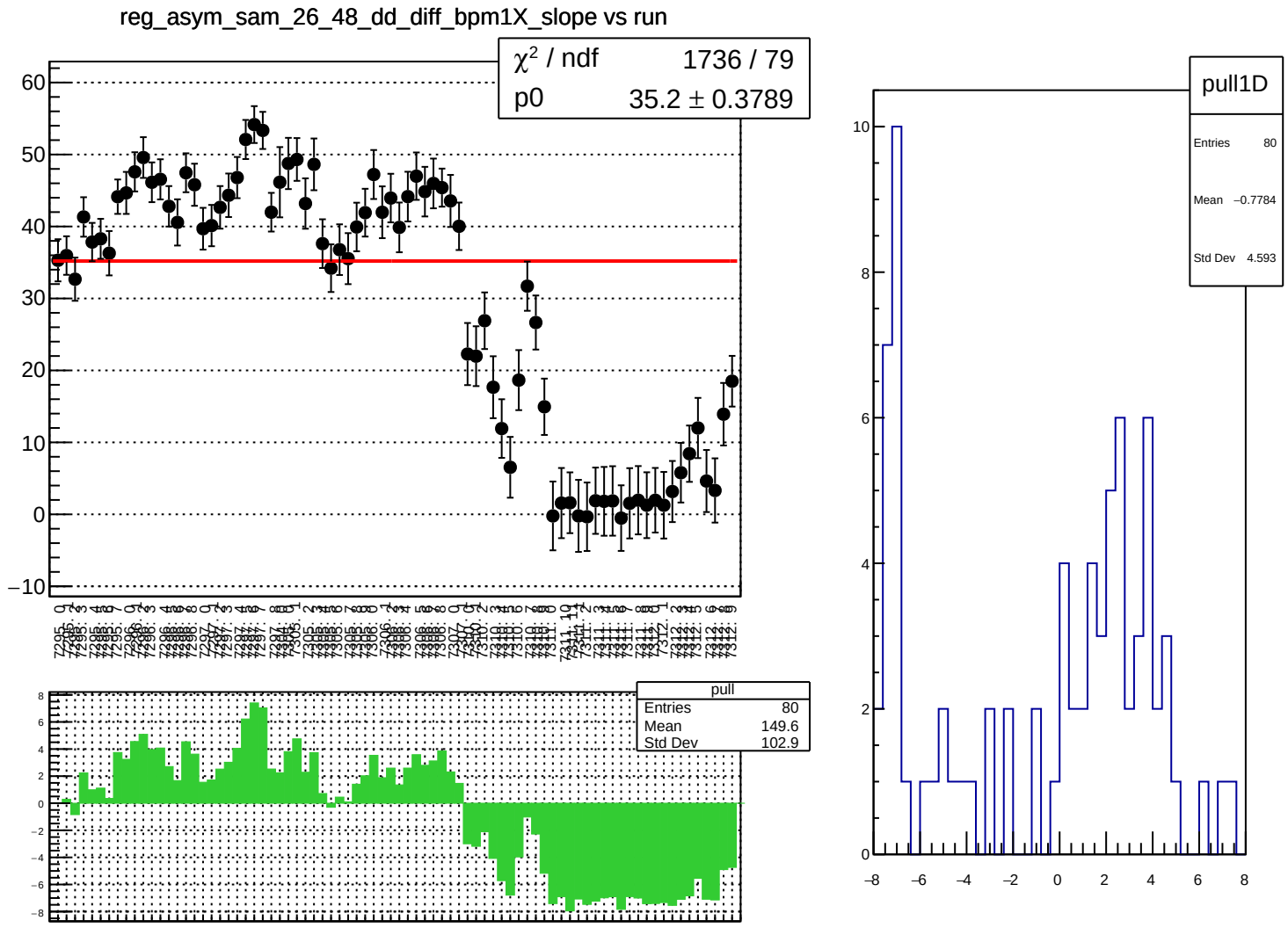

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 116.5 / 79
p0 9.37 ± 0.5888
pull
Entries 80
Mean 1115
Std Dev 1069

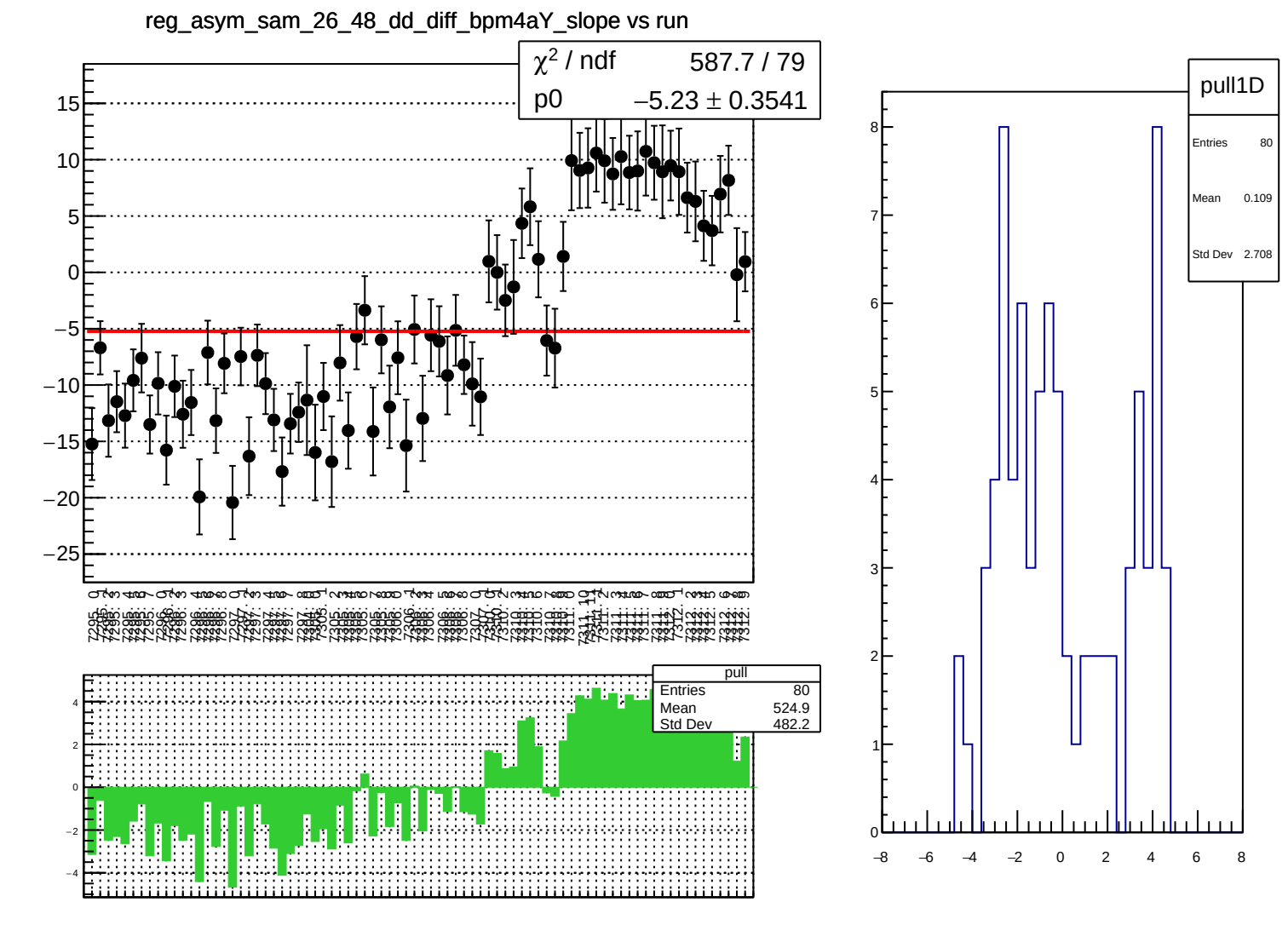

pull1D
Entries 80
Mean −0.01989
Std Dev 1.207

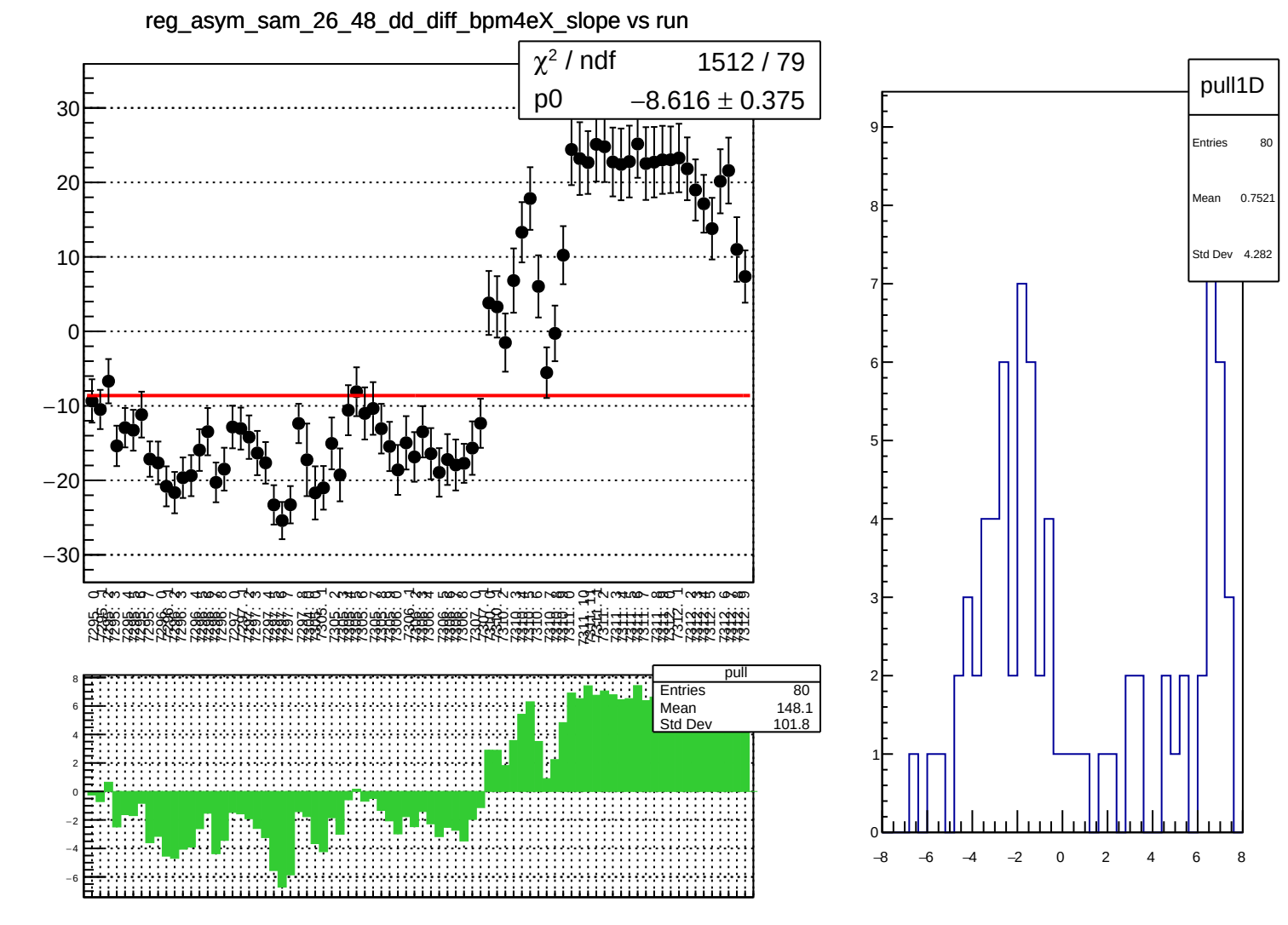

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 294.4 / 79
p0 −45.66 ± 0.6319
pull
Entries 80
Mean 171.2
Std Dev 125.7
pull1D
Entries 80
Mean −0.278
Std Dev 1.898

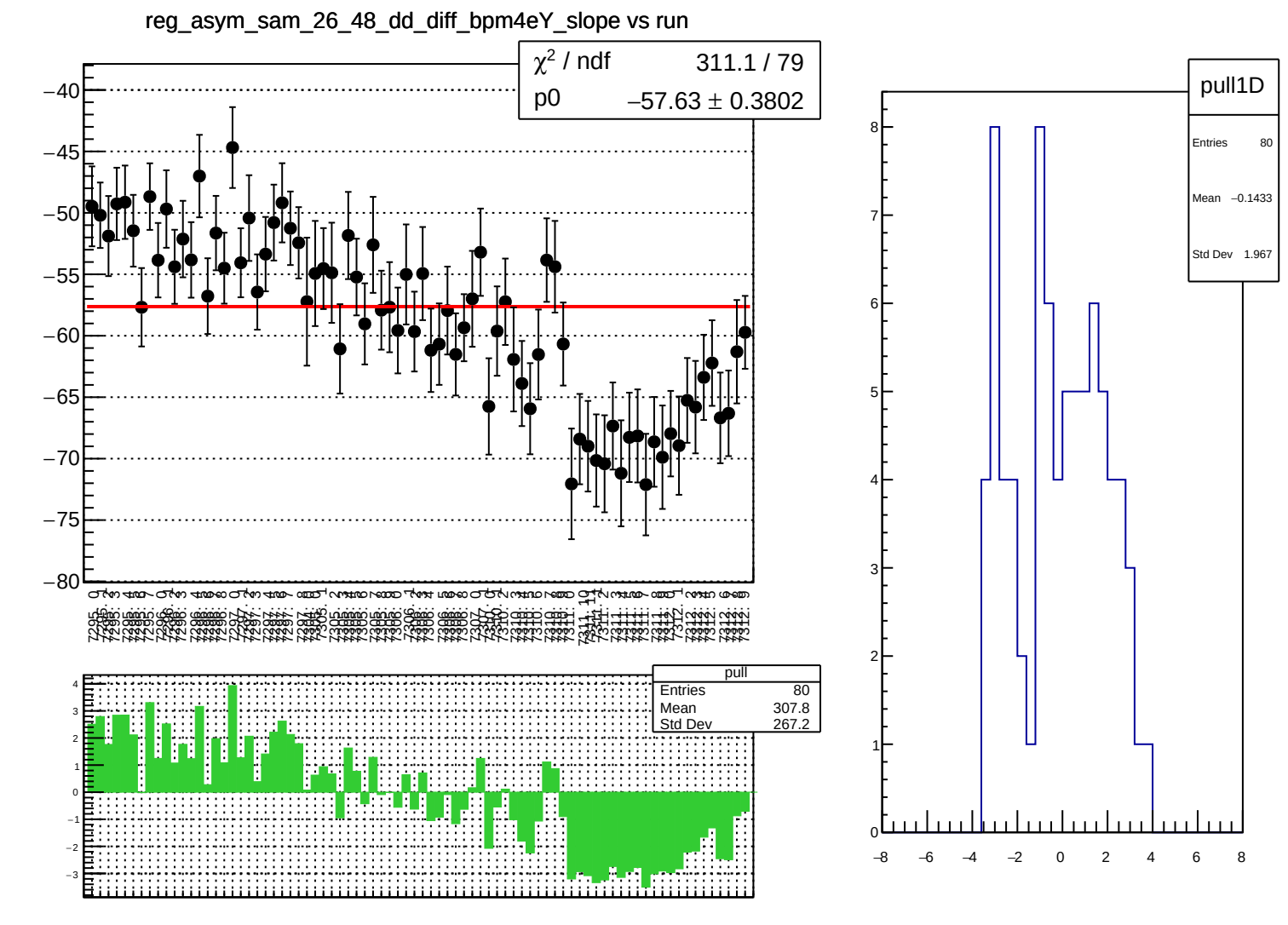

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.45 / 79
p0 −29.59 ± 0.6323
pull
Entries 80
Mean 679.9
Std Dev 634.9
pull1D
Entries 80
Mean 0.0244
Std Dev 0.8832

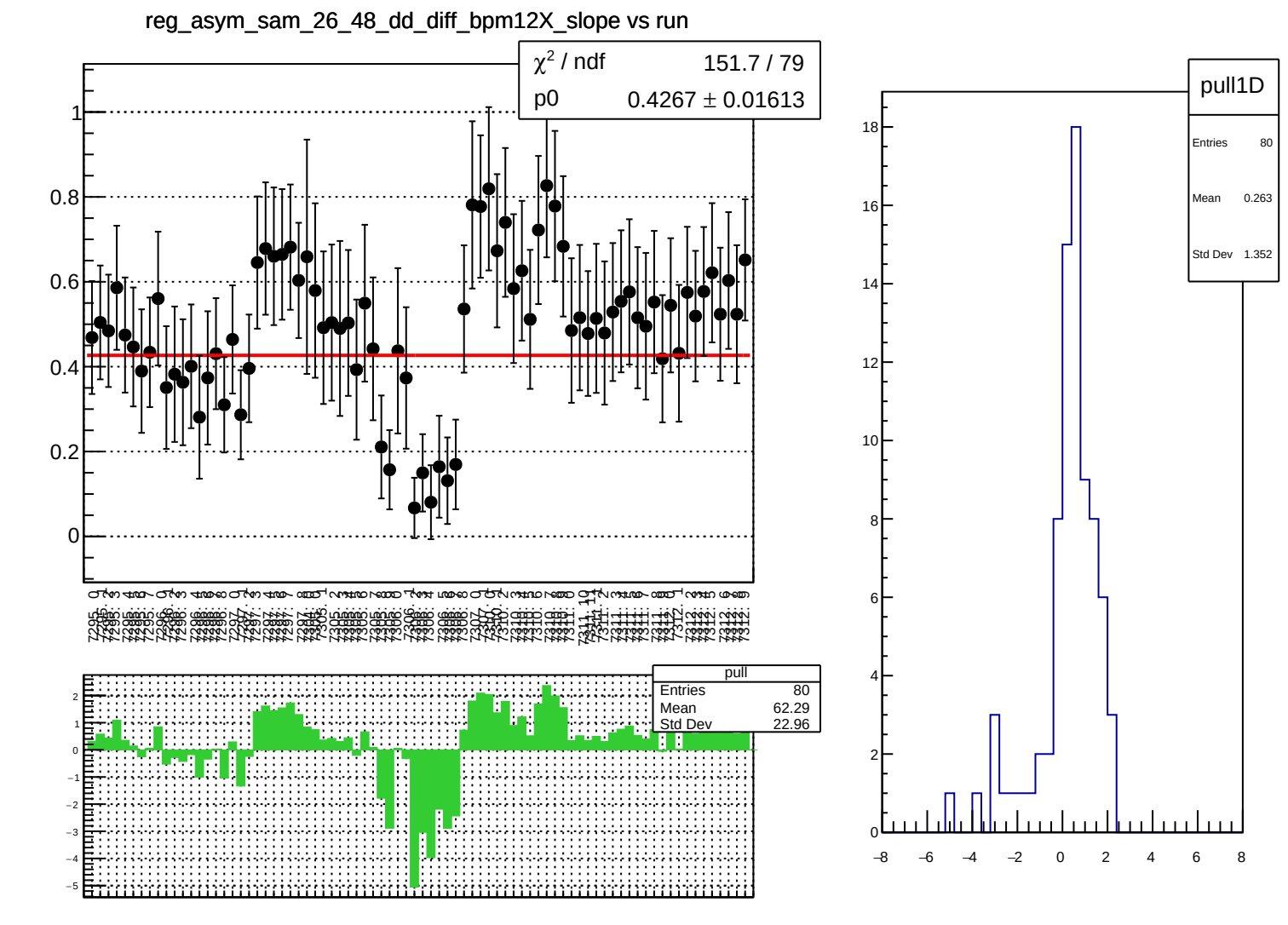

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 18.29 / 79
p0 0.1448 ± 0.02669
pull
Entries 80
Mean 199.3
Std Dev 154
pull1D
Entries 80
Mean 0.04277
Std Dev 0.4762

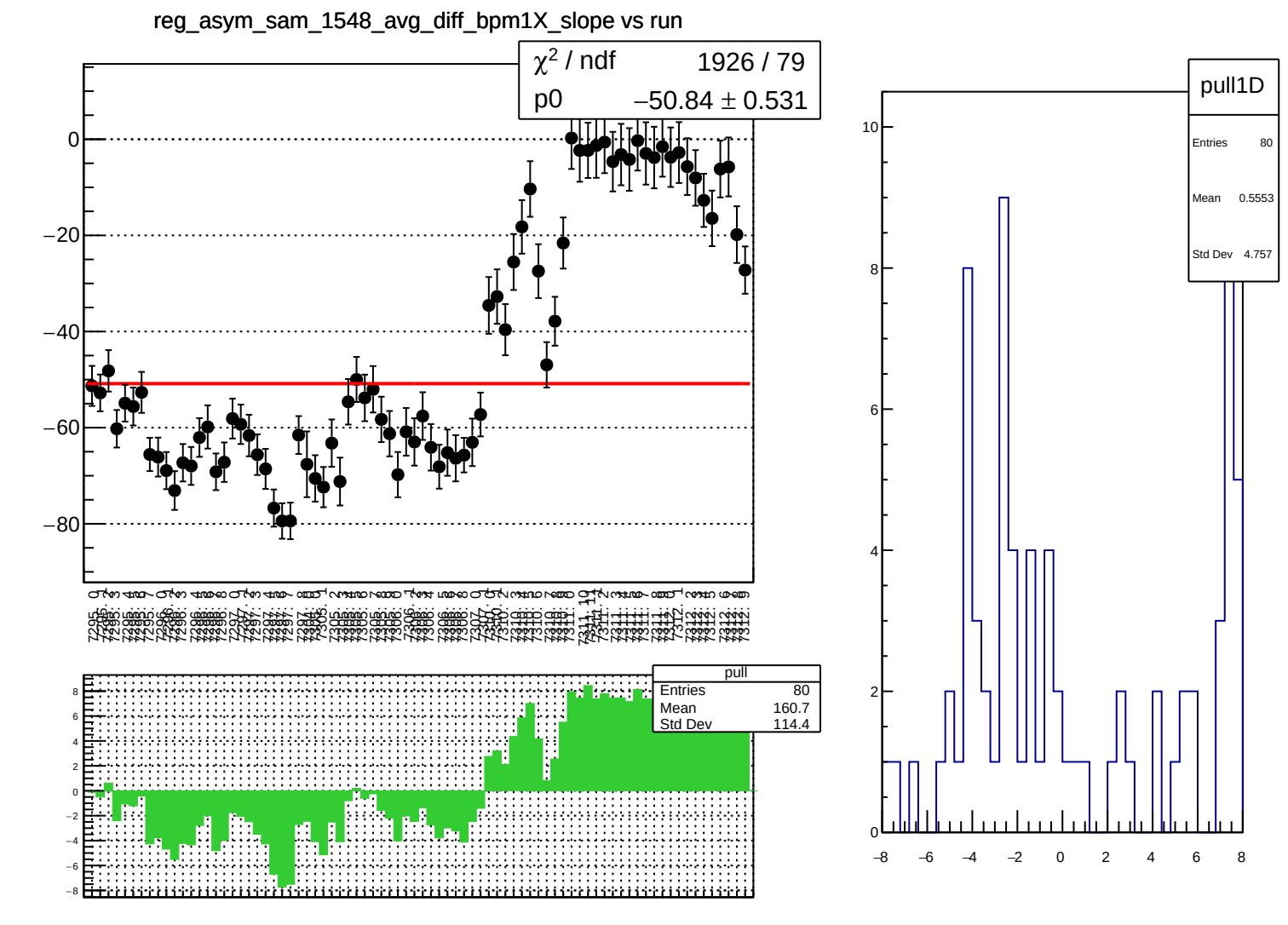

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1736 / 79
p0 35.2 ± 0.3789
pull
Entries 80
Mean 149.6
Std Dev 102.9
pull1D
Entries 80
Mean −0.7784
Std Dev 4.593

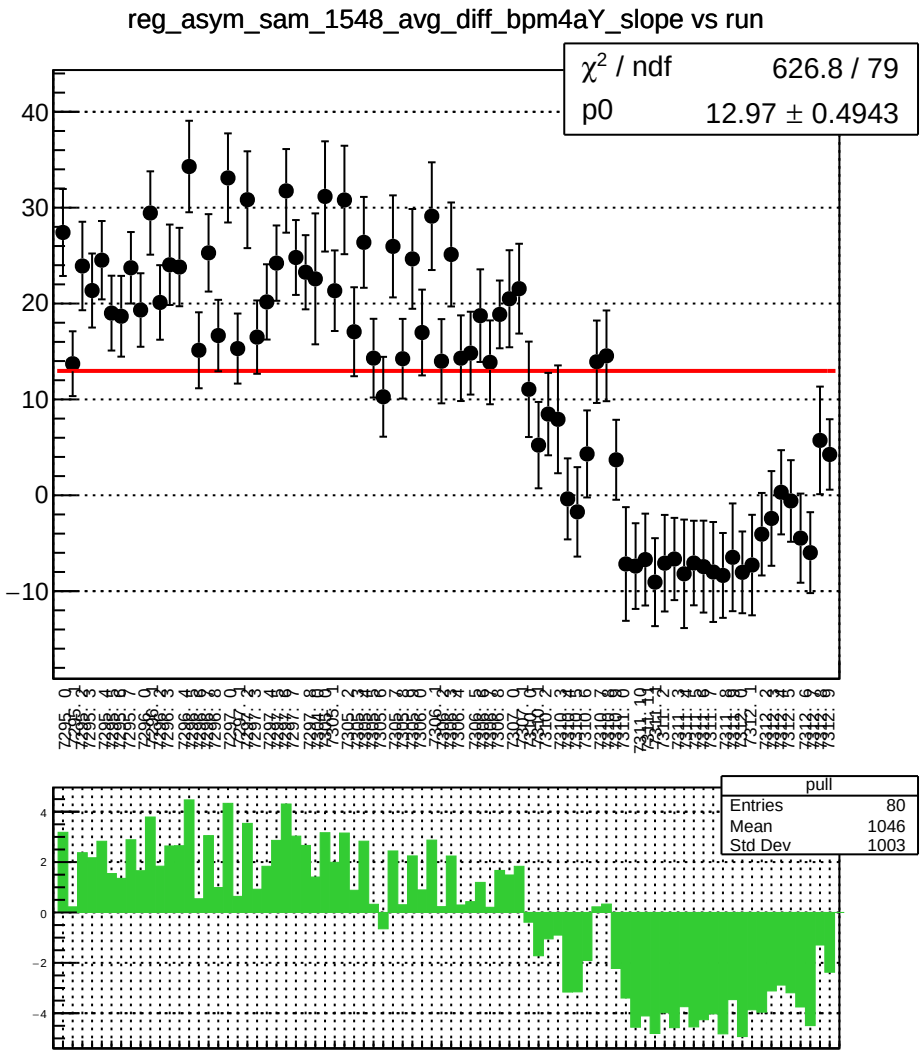

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 587.7 / 79
p0 −5.23 ± 0.3541
pull
Entries 80
Mean 524.9
Std Dev 482.2
pull1D
Entries 80
Mean 0.109
Std Dev 2.708

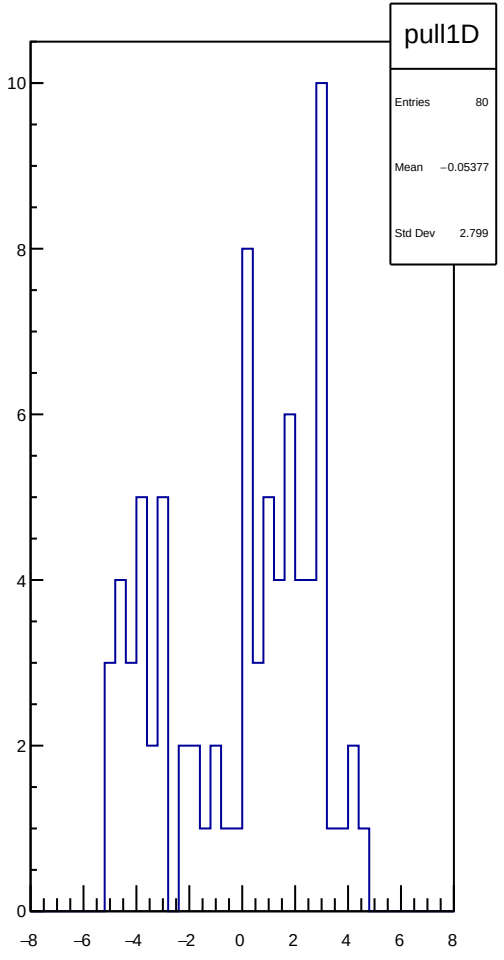

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1512 / 79
p0 −8.616 ± 0.375
pull
Entries 80
Mean 148.1
Std Dev 101.8
pull1D
Entries 80
Mean 0.7521
Std Dev 4.282

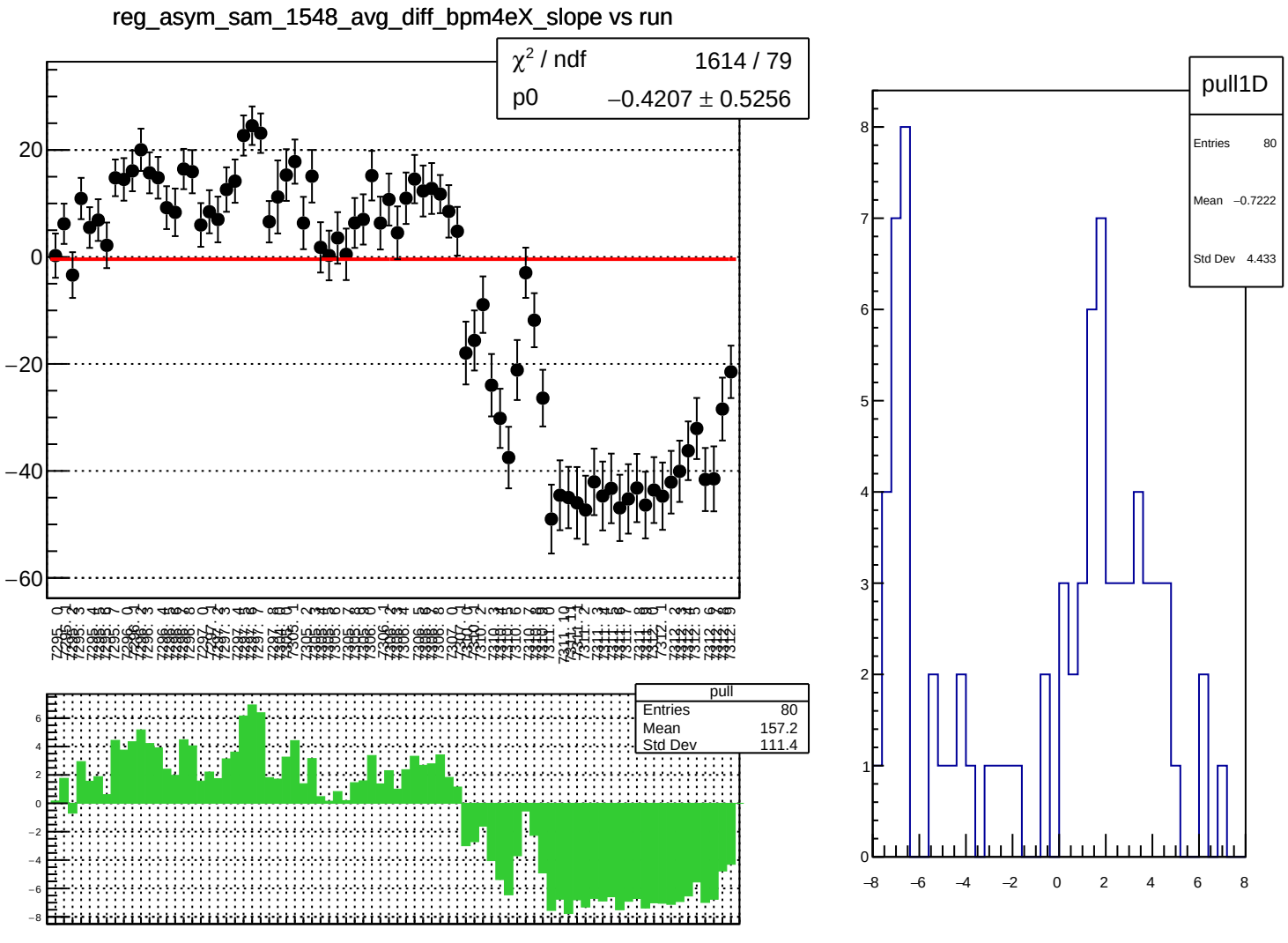

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 311.1 / 79
p0 −57.63 ± 0.3802
pull
Entries 80
Mean 307.8
Std Dev 267.2
pull1D
Entries 80
Mean −0.1433
Std Dev 1.967

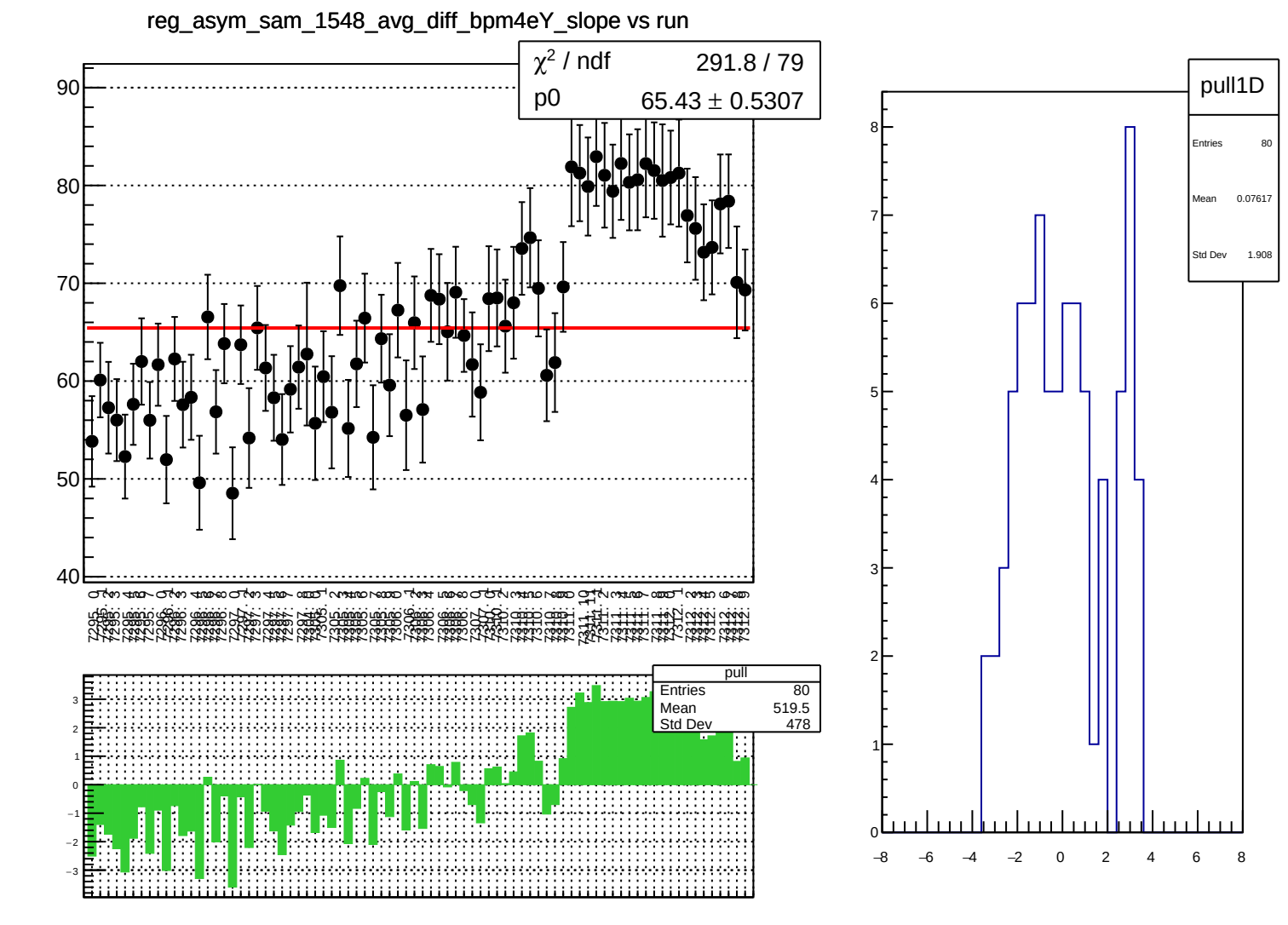

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 151.7 / 79
p0 0.4267 ± 0.01613
pull
Entries 80
Mean 62.29
Std Dev 22.96
pull1D
Entries 80
Mean 0.263
Std Dev 1.352

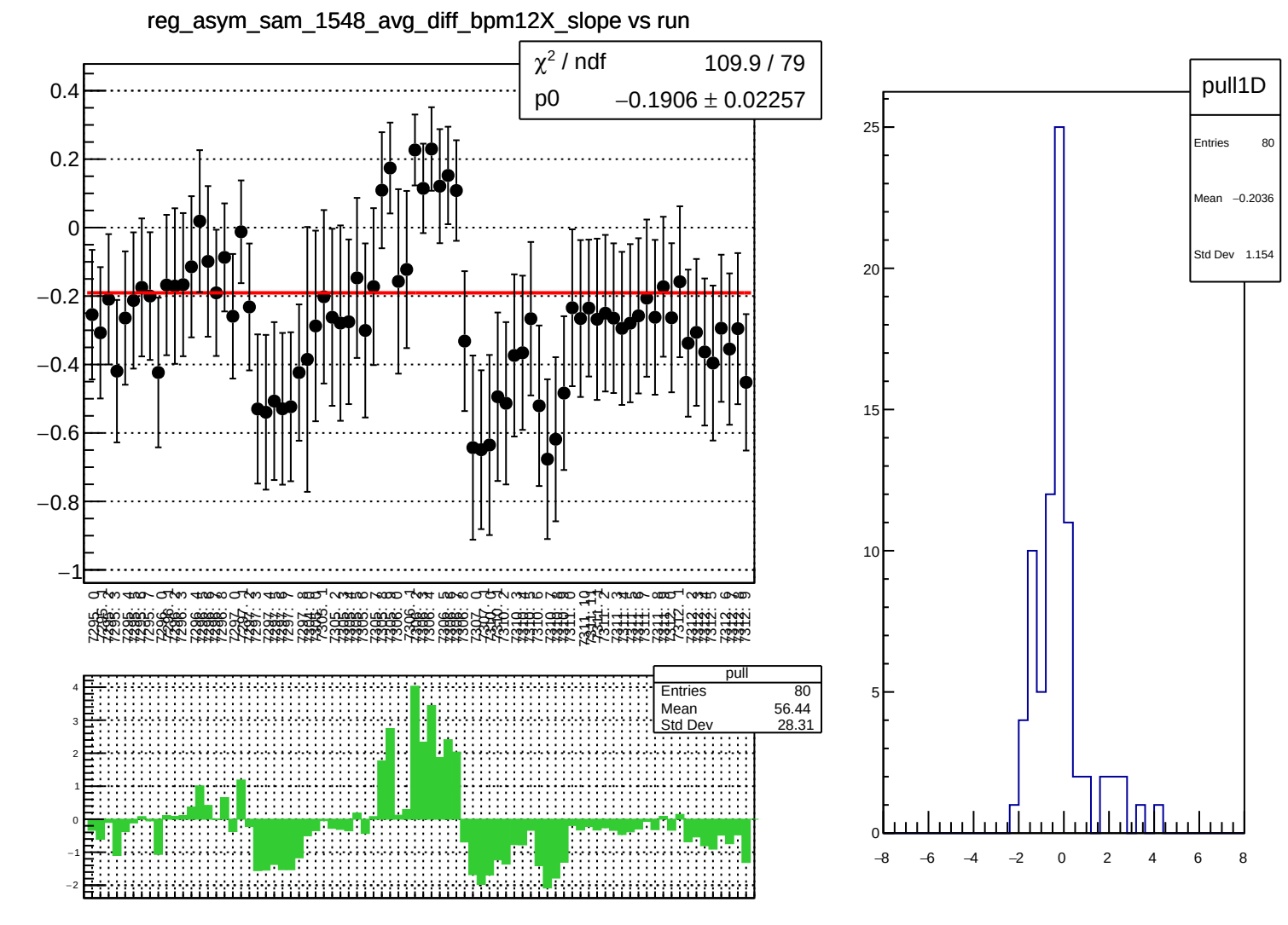

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1926 / 79
p0 −50.84 ± 0.531
pull
Entries 80
Mean 160.7
Std Dev 114.4
pull1D
Entries 80
Mean 0.5553
Std Dev 4.757

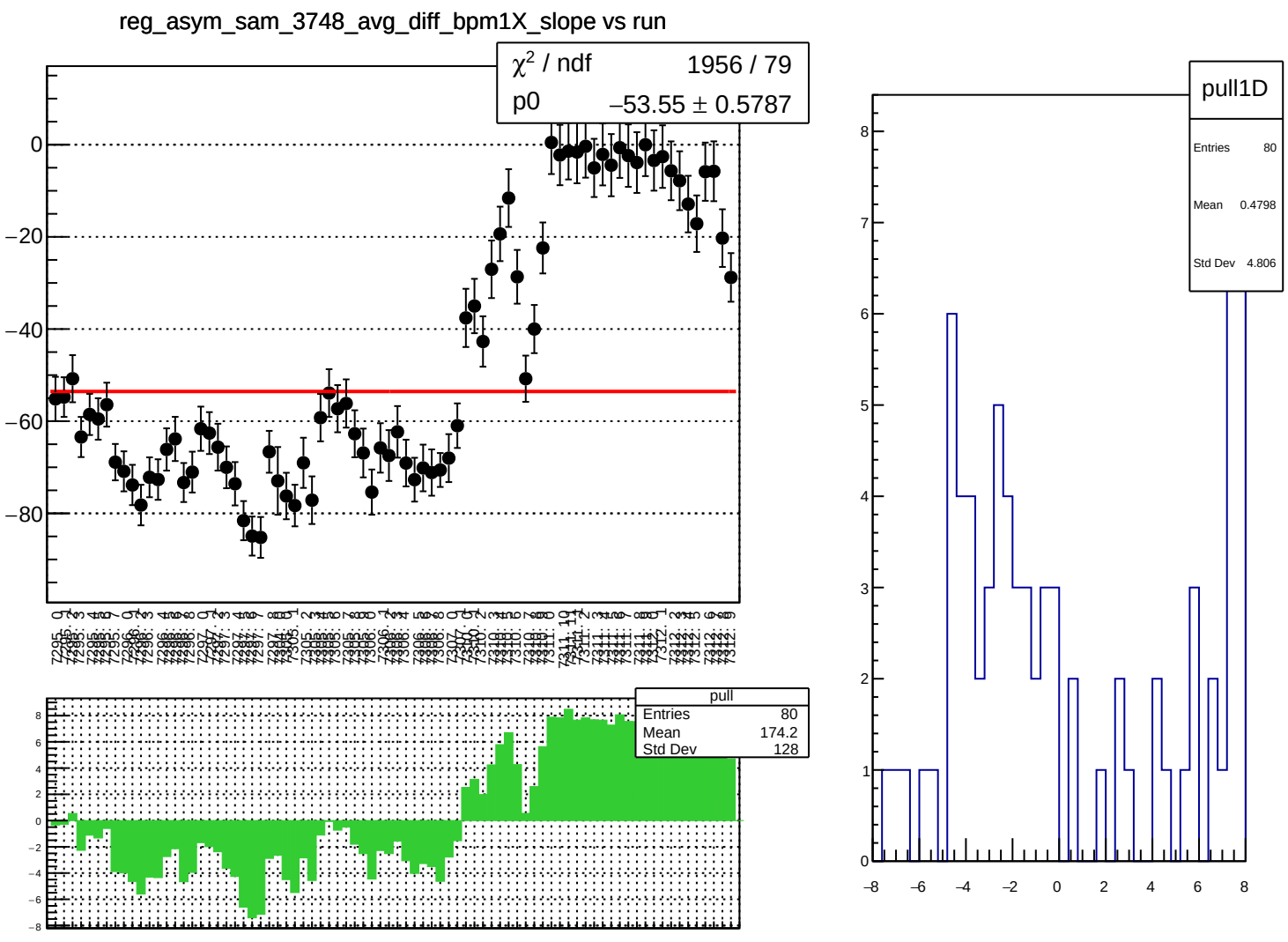

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 626.8 / 79
p0 12.97 ± 0.4943
pull
Entries 80
Mean 1046
Std Dev 1003

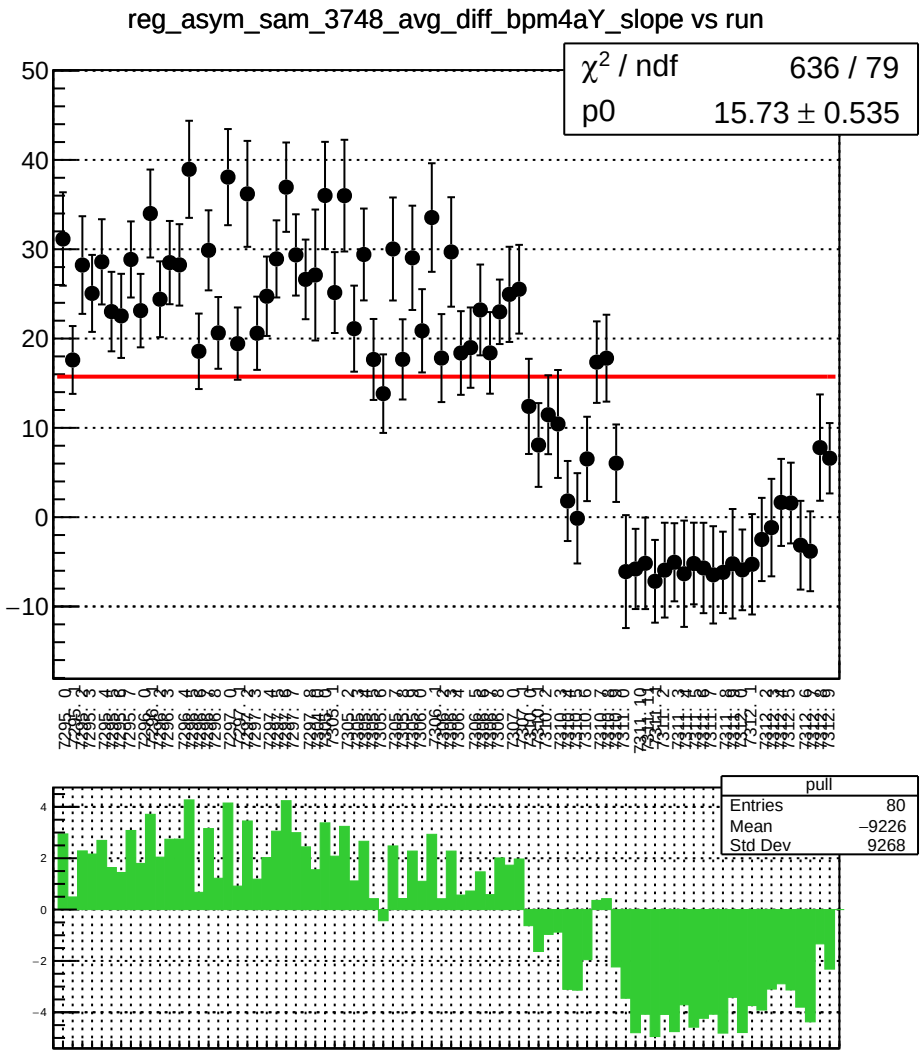

pull1D
Entries 80
Mean −0.05377
Std Dev 2.799

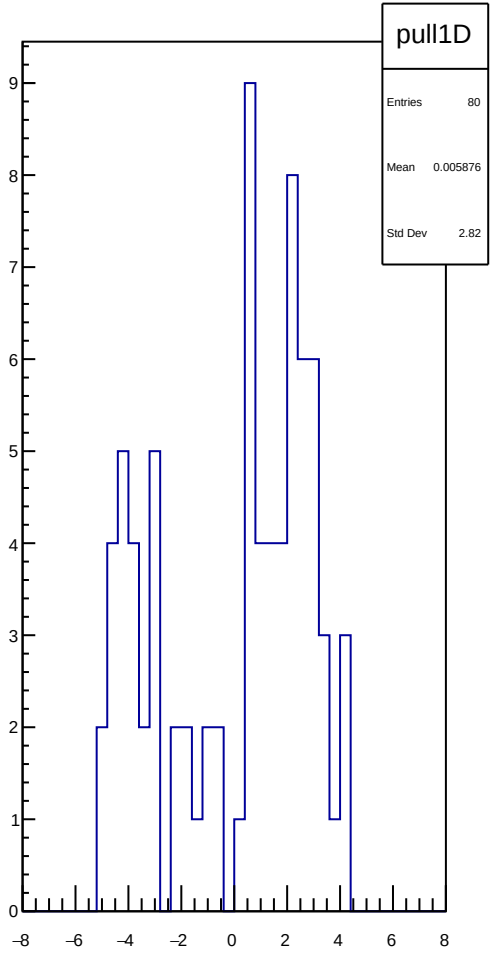

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1614 / 79
p0 −0.4207 ± 0.5256
pull
Entries 80
Mean 157.2
Std Dev 111.4
pull1D
Entries 80
Mean −0.7222
Std Dev 4.433

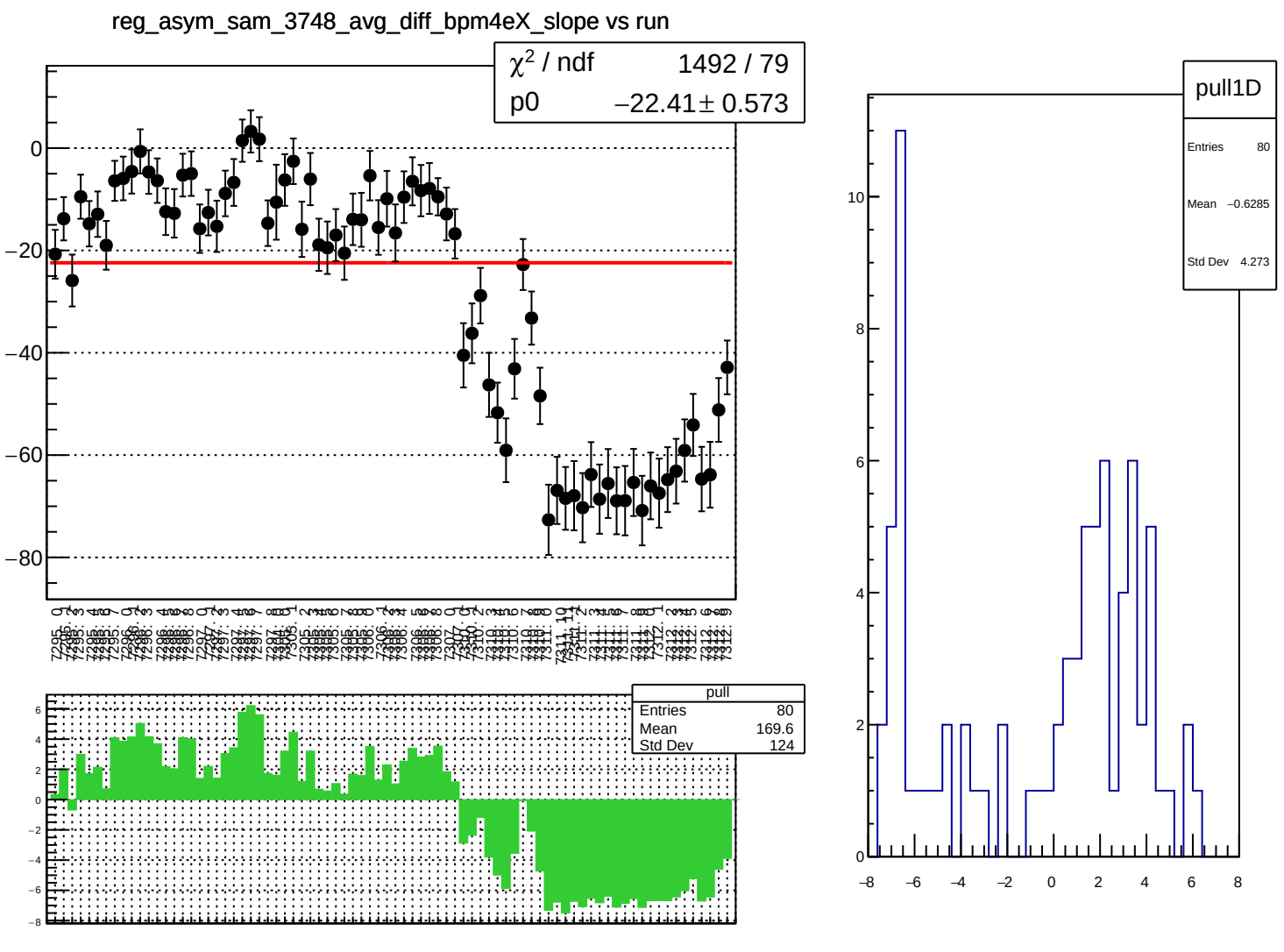

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 291.8 / 79
p0 65.43 ± 0.5307
pull
Entries 80
Mean 519.5
Std Dev 478
pull1D
Entries 80
Mean 0.07617
Std Dev 1.908

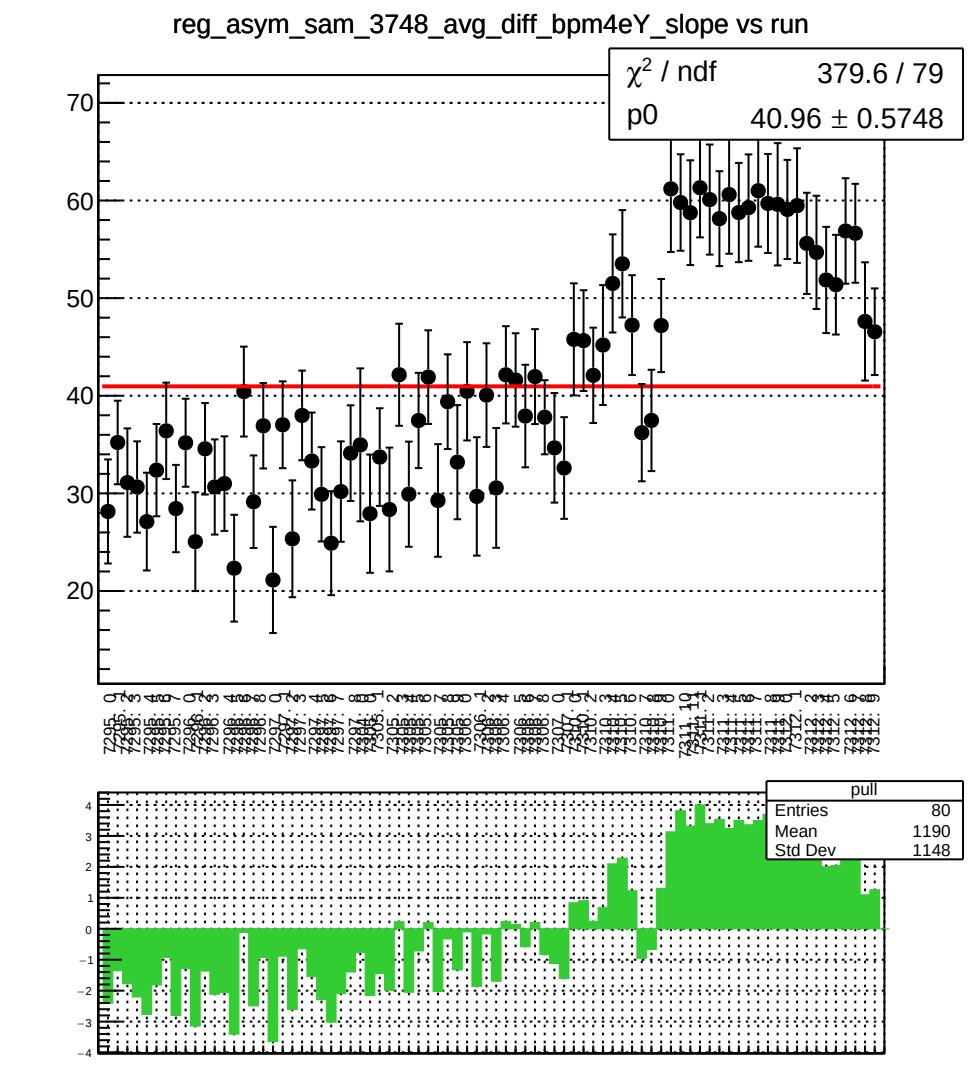

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 79
p0 −0.1906 ± 0.02257
pull
Entries 80
Mean 56.44
Std Dev 28.31
pull1D
Entries 80
Mean −0.2036
Std Dev 1.154

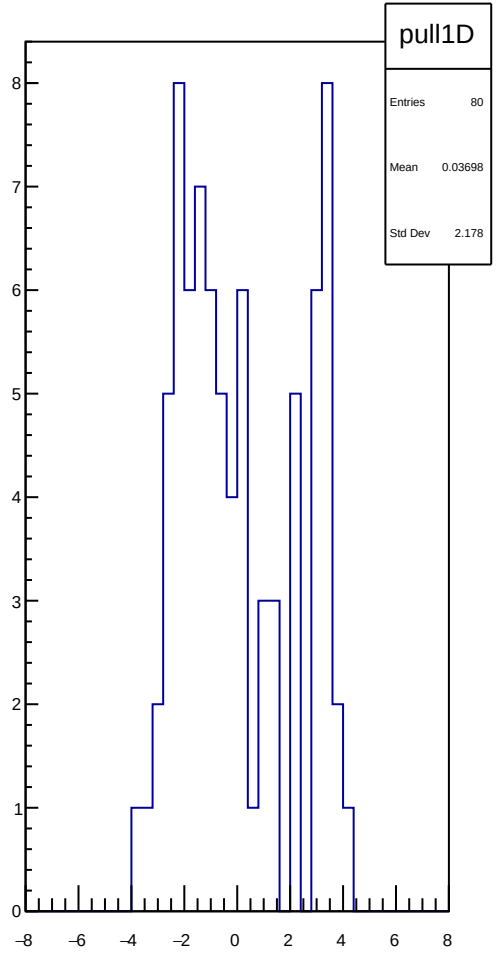

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1956 / 79
p0 −53.55 ± 0.5787
pull
Entries 80
Mean 174.2
Std Dev 128
pull1D
Entries 80
Mean 0.4798
Std Dev 4.806

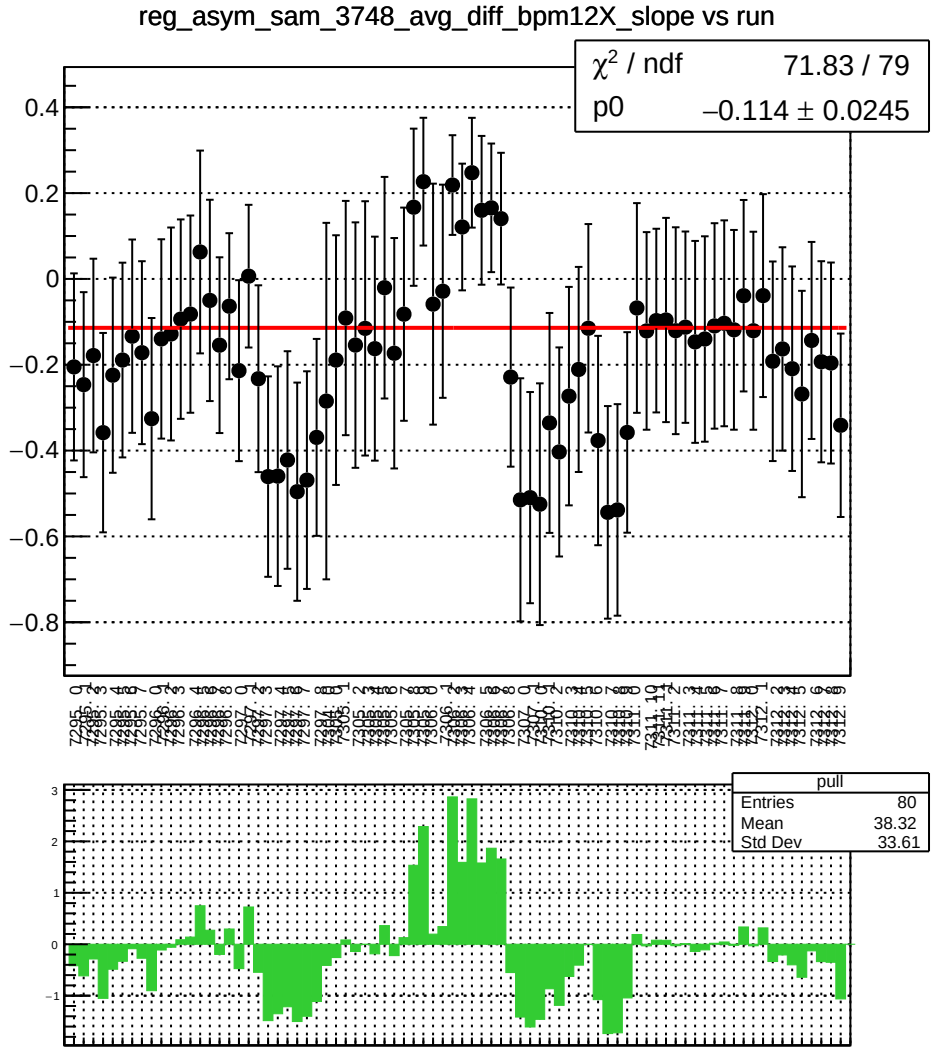

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 636 / 79
p0 15.73 ± 0.535
pull
Entries 80
Mean −9226
Std Dev 9268

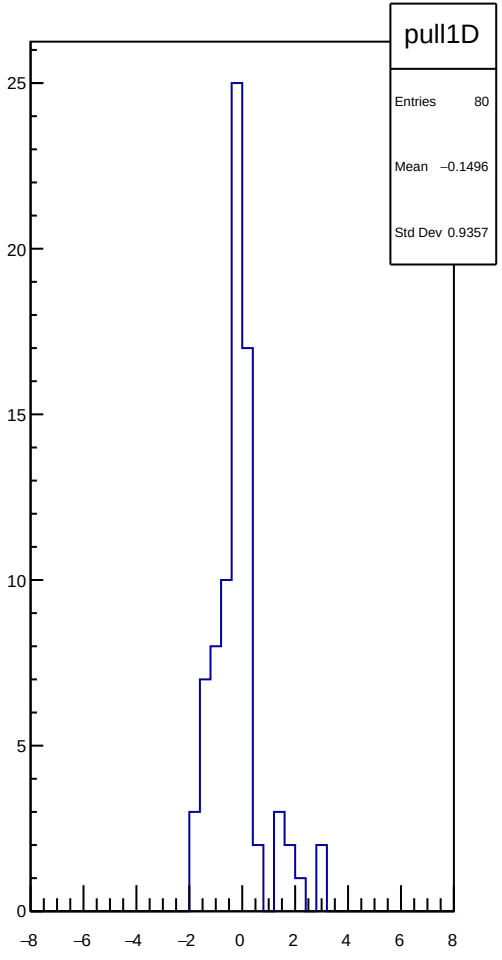

pull1D
Entries 80
Mean 0.005876
Std Dev 2.82

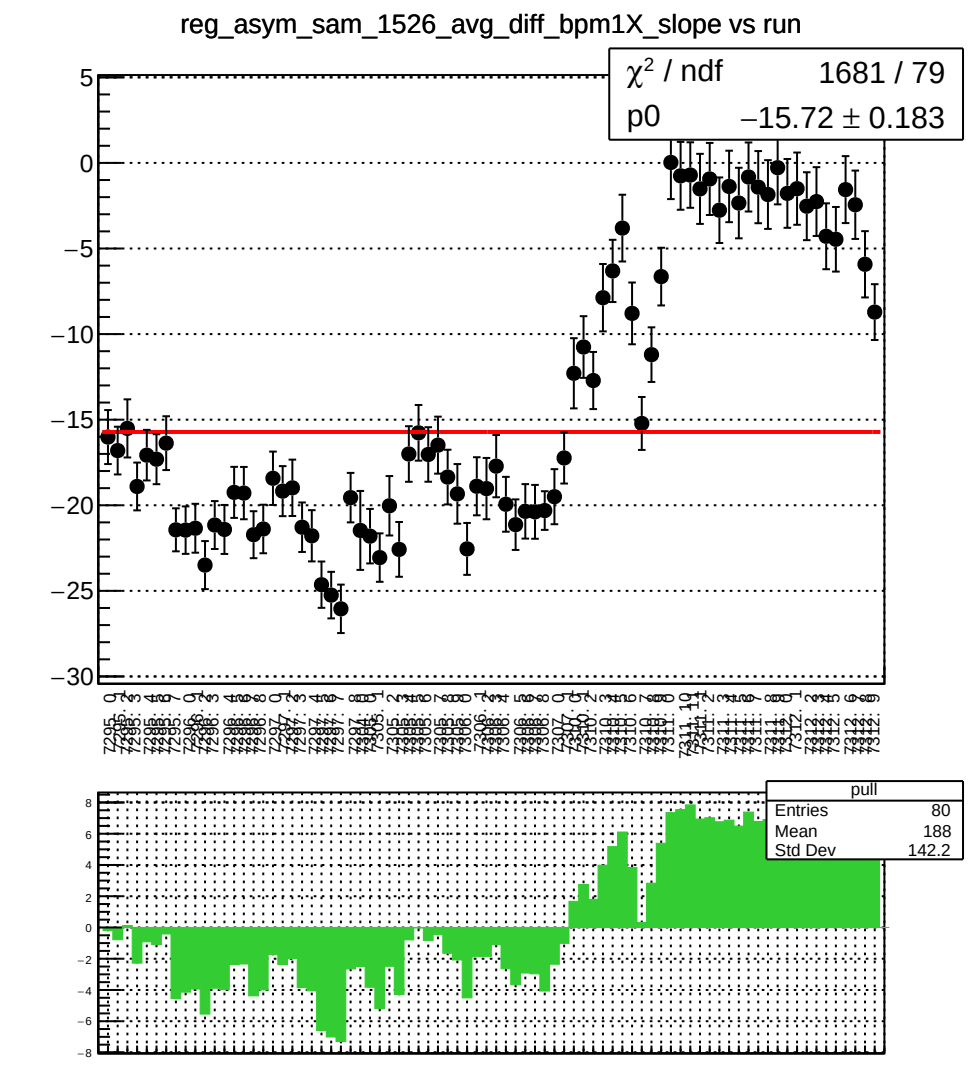

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1492 / 79
p0 −22.41 ± 0.573
pull
Entries 80
Mean 169.6
Std Dev 124
pull1D
Entries 80
Mean −0.6285
Std Dev 4.273

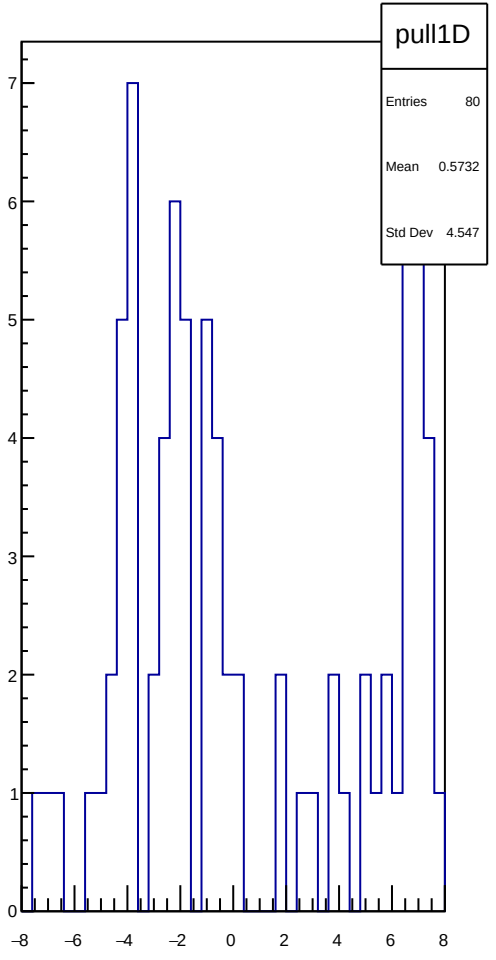

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 379.6 / 79
p0 40.96 ± 0.5748
pull
Entries 80
Mean 1190
Std Dev 1148

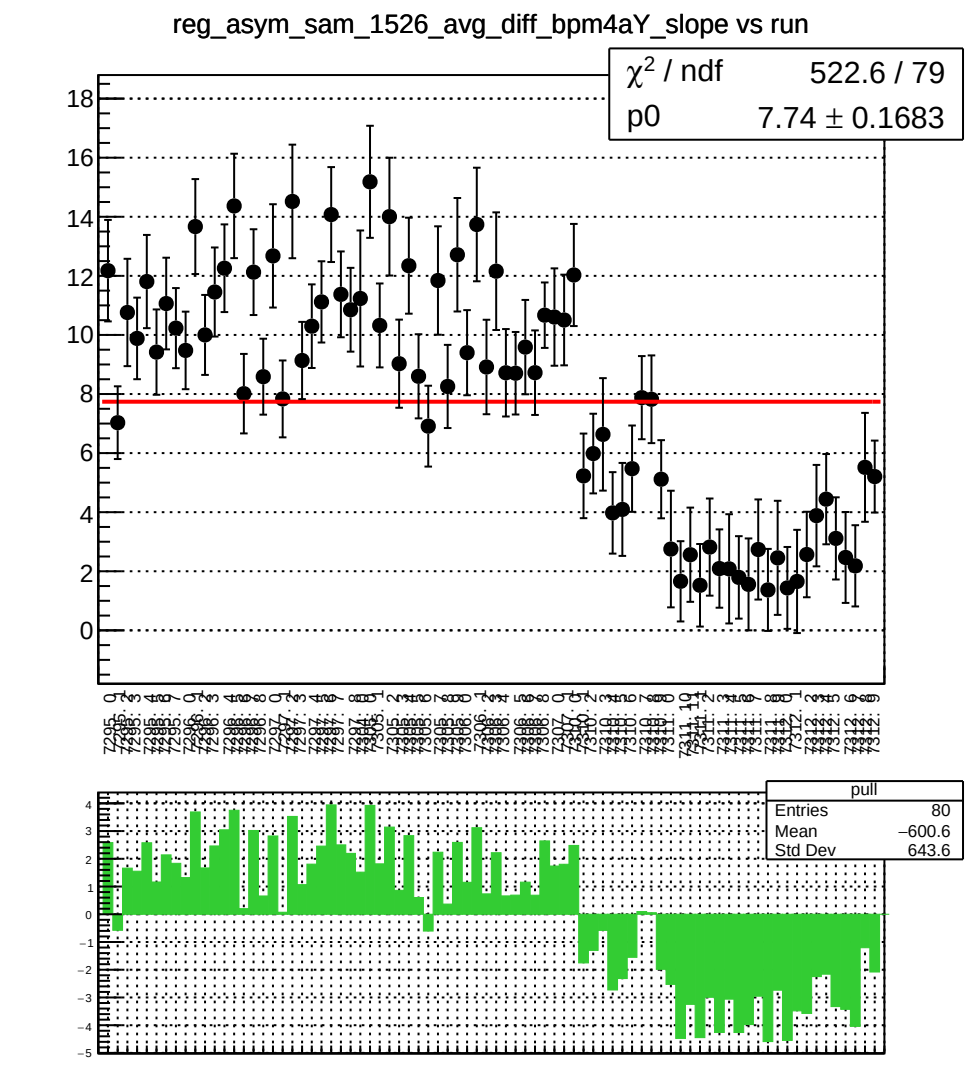

pull1D
Entries 80
Mean 0.03698
Std Dev 2.178

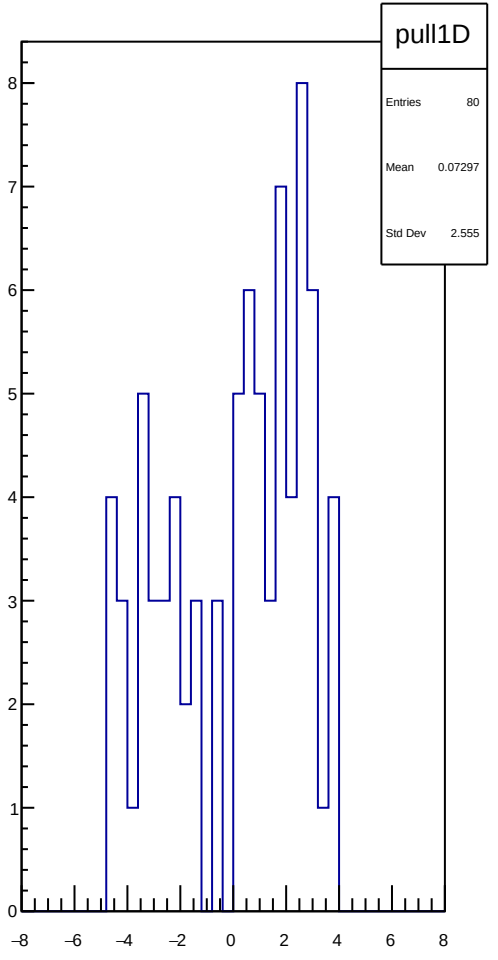

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 71.83 / 79
p0 −0.114 ± 0.0245
pull
Entries 80
Mean 38.32
Std Dev 33.61

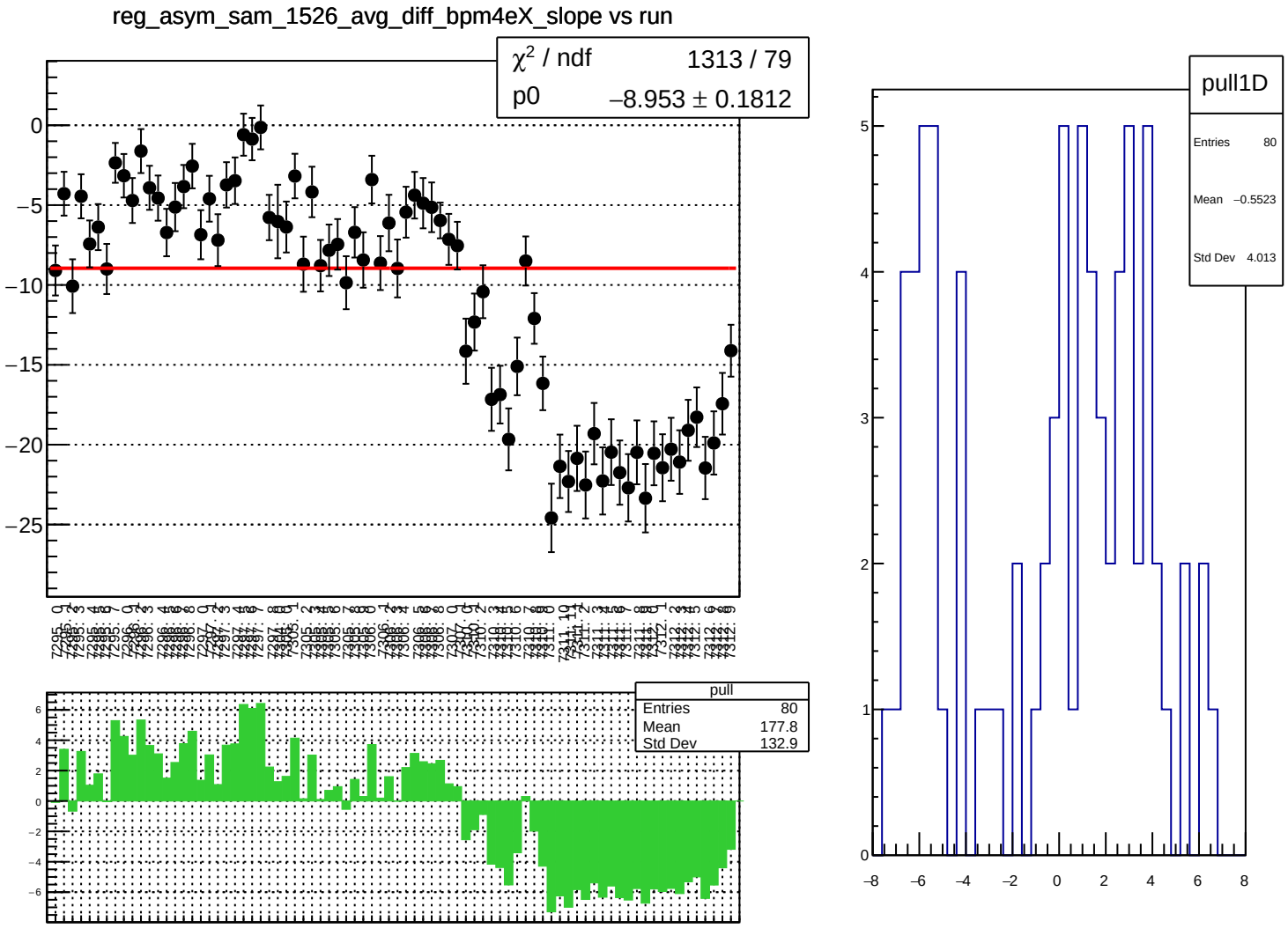

pull1D
Entries 80
Mean −0.1496
Std Dev 0.9357

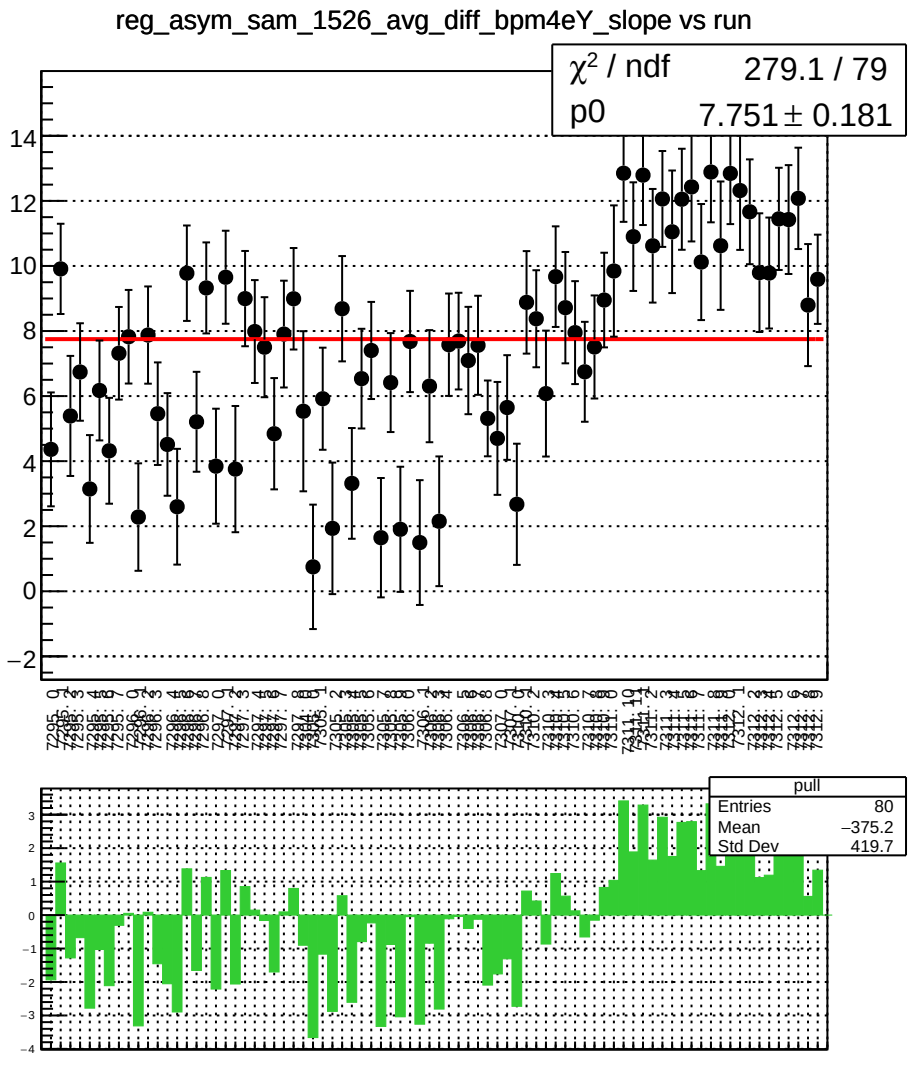

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1681 / 79
p0 −15.72 ± 0.183
pull
Entries 80
Mean 188
Std Dev 142.2

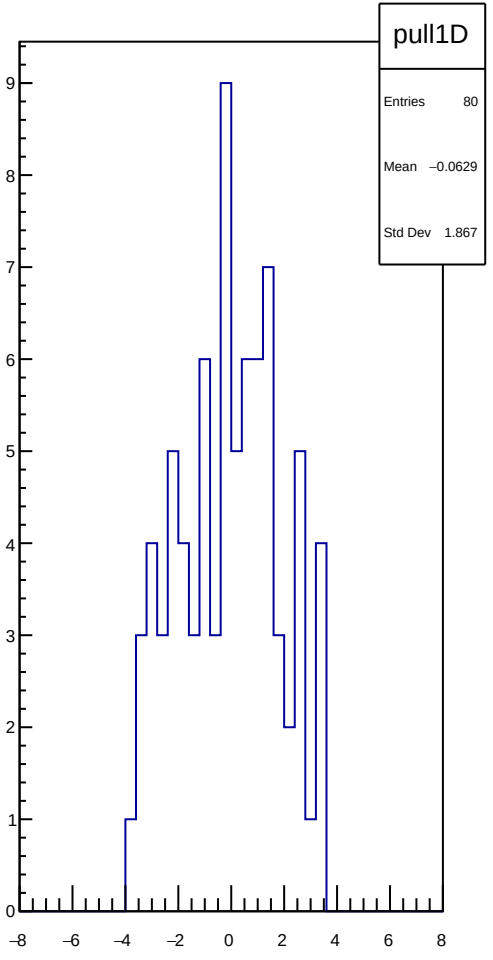

pull1D
Entries 80
Mean 0.5732
Std Dev 4.547

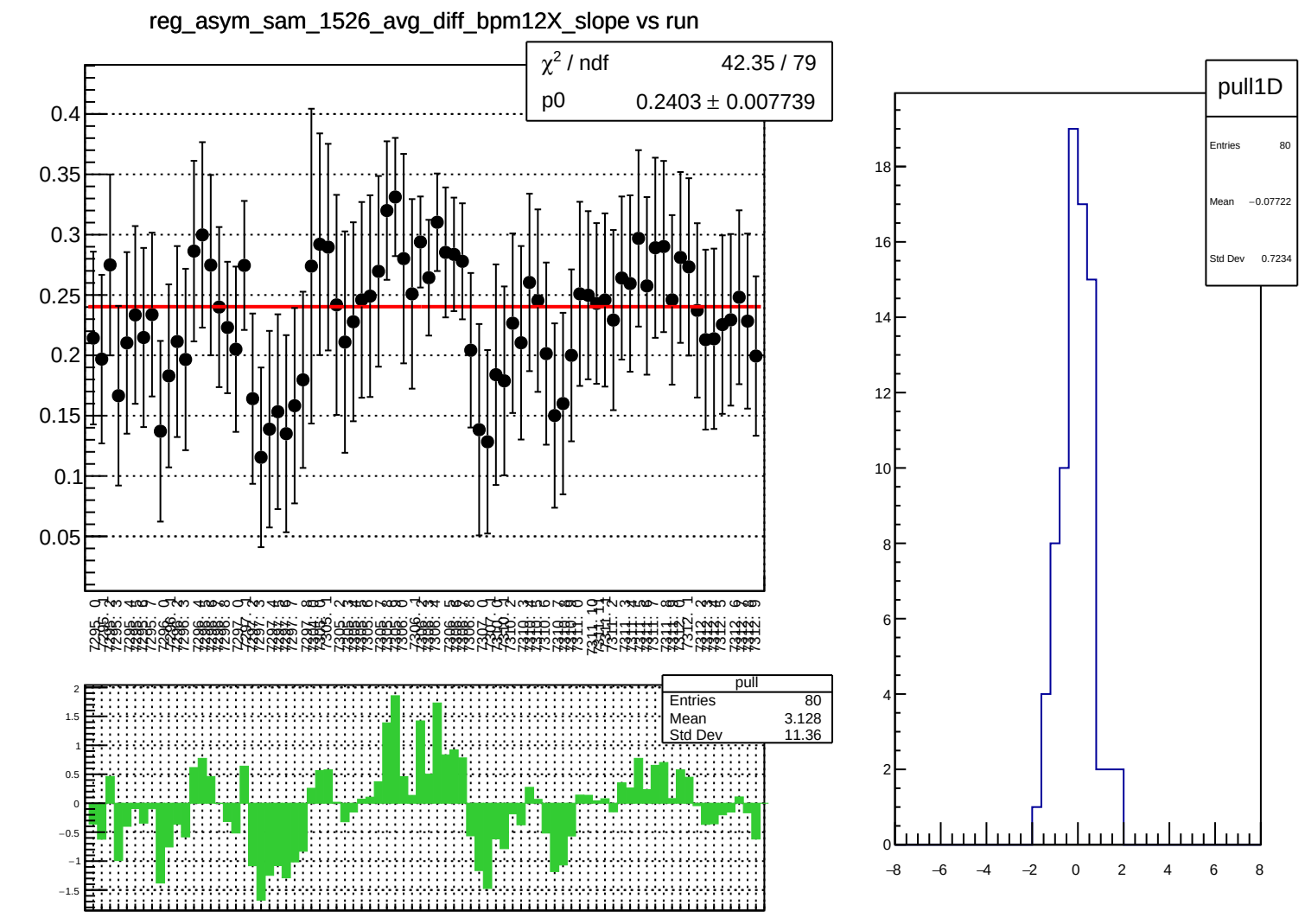

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 522.6 / 79
p0 7.74 ± 0.1683
pull
Entries 80
Mean −600.6
Std Dev 643.6

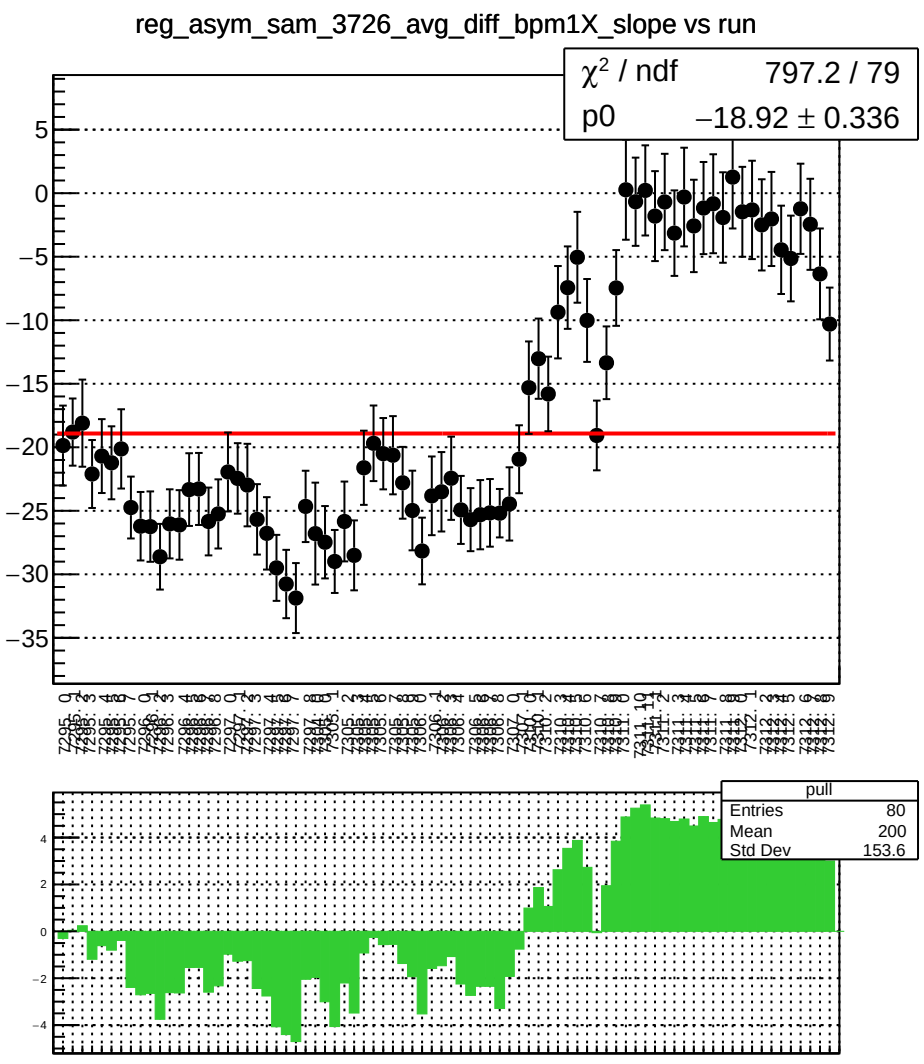

pull1D
Entries 80
Mean 0.07297
Std Dev 2.555

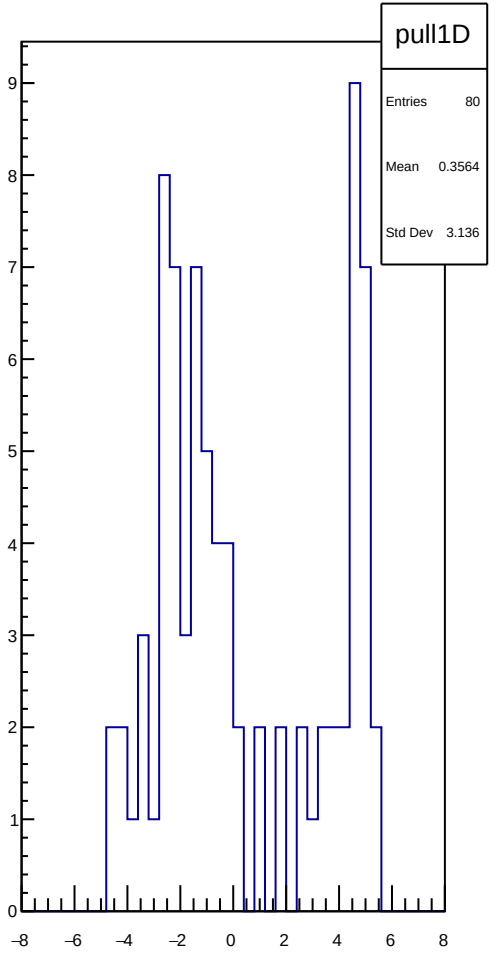

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 1313 / 79
p0 −8.953 ± 0.1812
pull
Entries 80
Mean 177.8
Std Dev 132.9
pull1D
Entries 80
Mean −0.5523
Std Dev 4.013

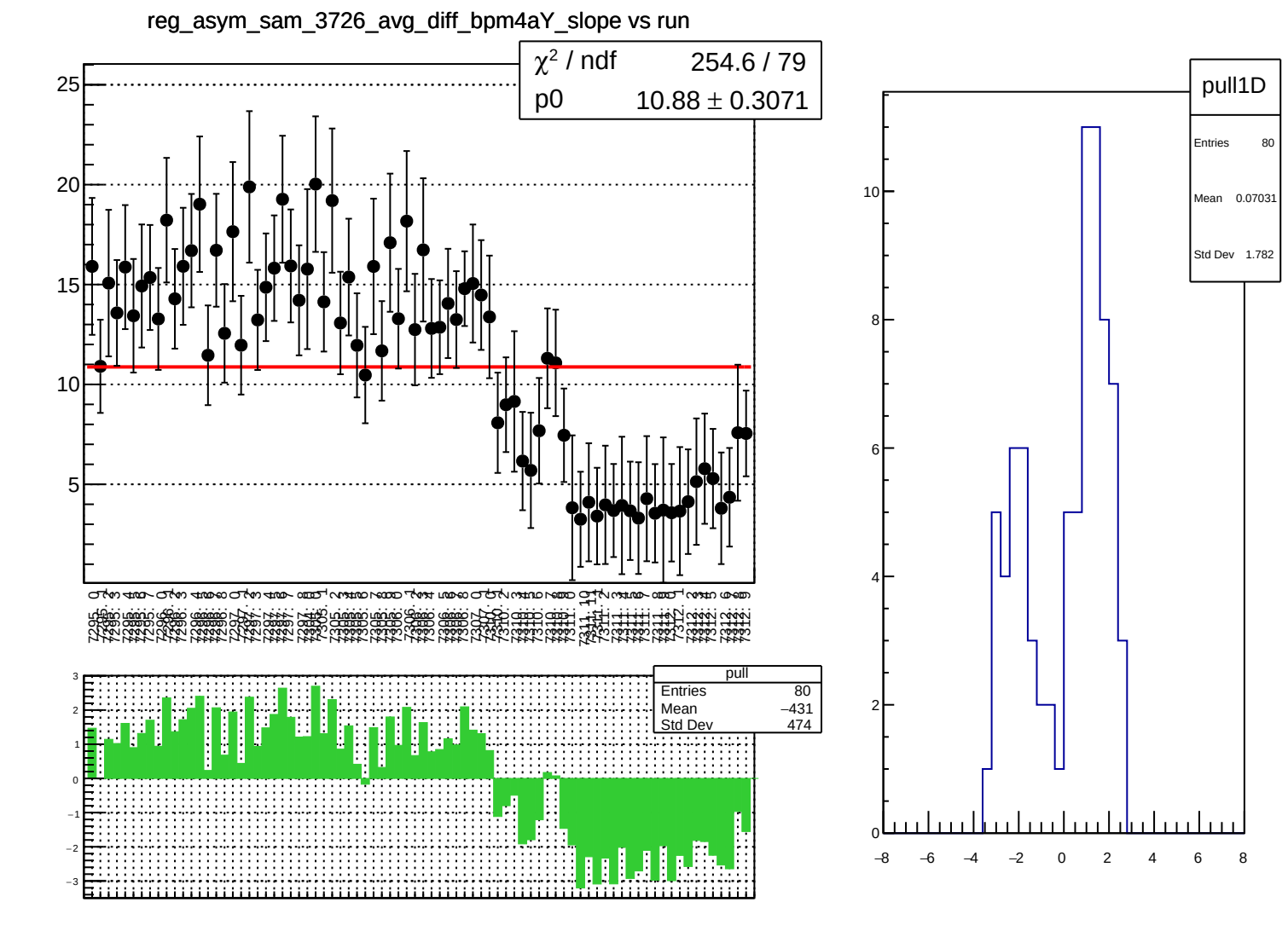

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 279.1 / 79
p0 7.751 ± 0.181
pull
Entries 80
Mean −375.2
Std Dev 419.7

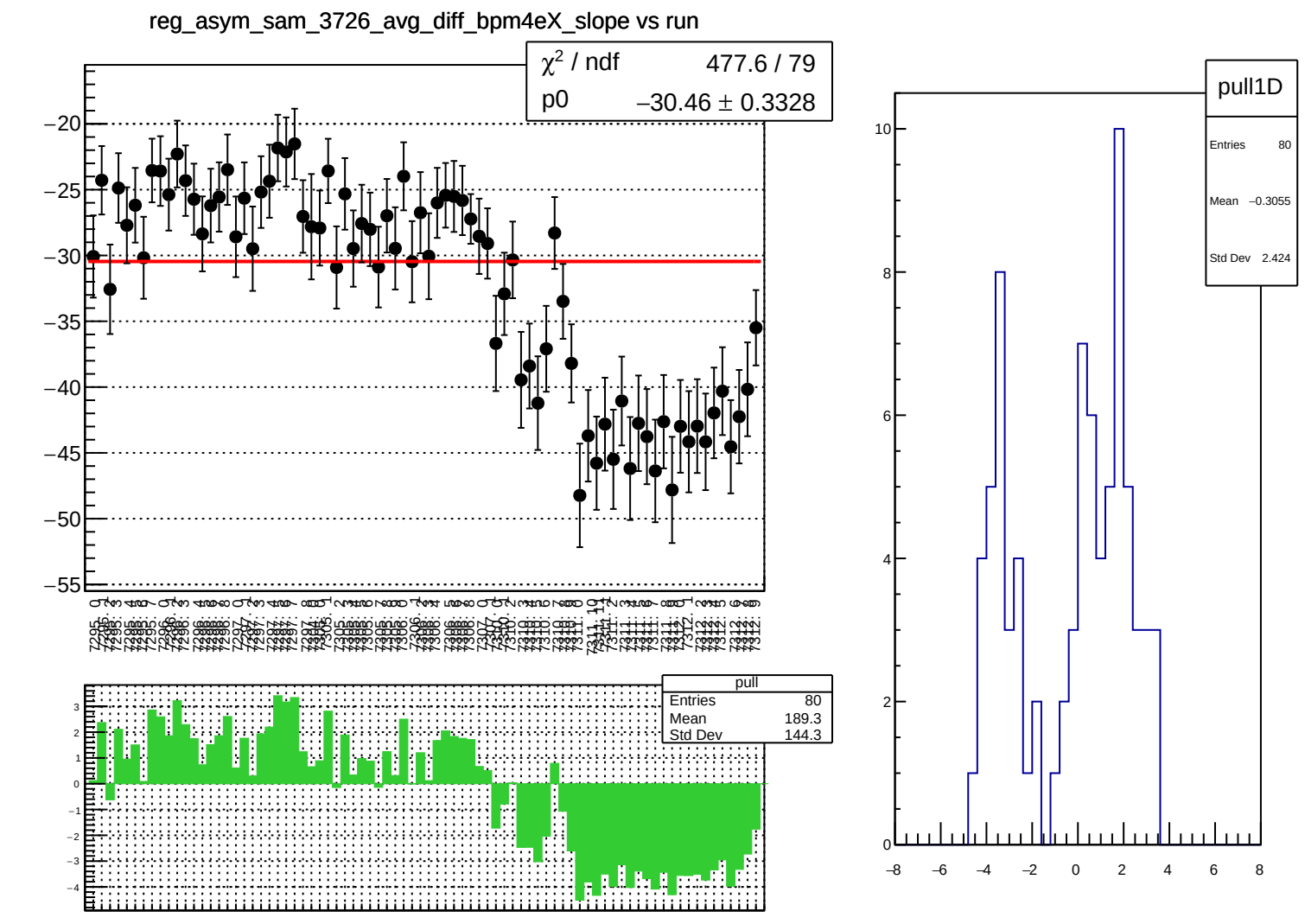

pull1D
Entries 80
Mean −0.0629
Std Dev 1.867

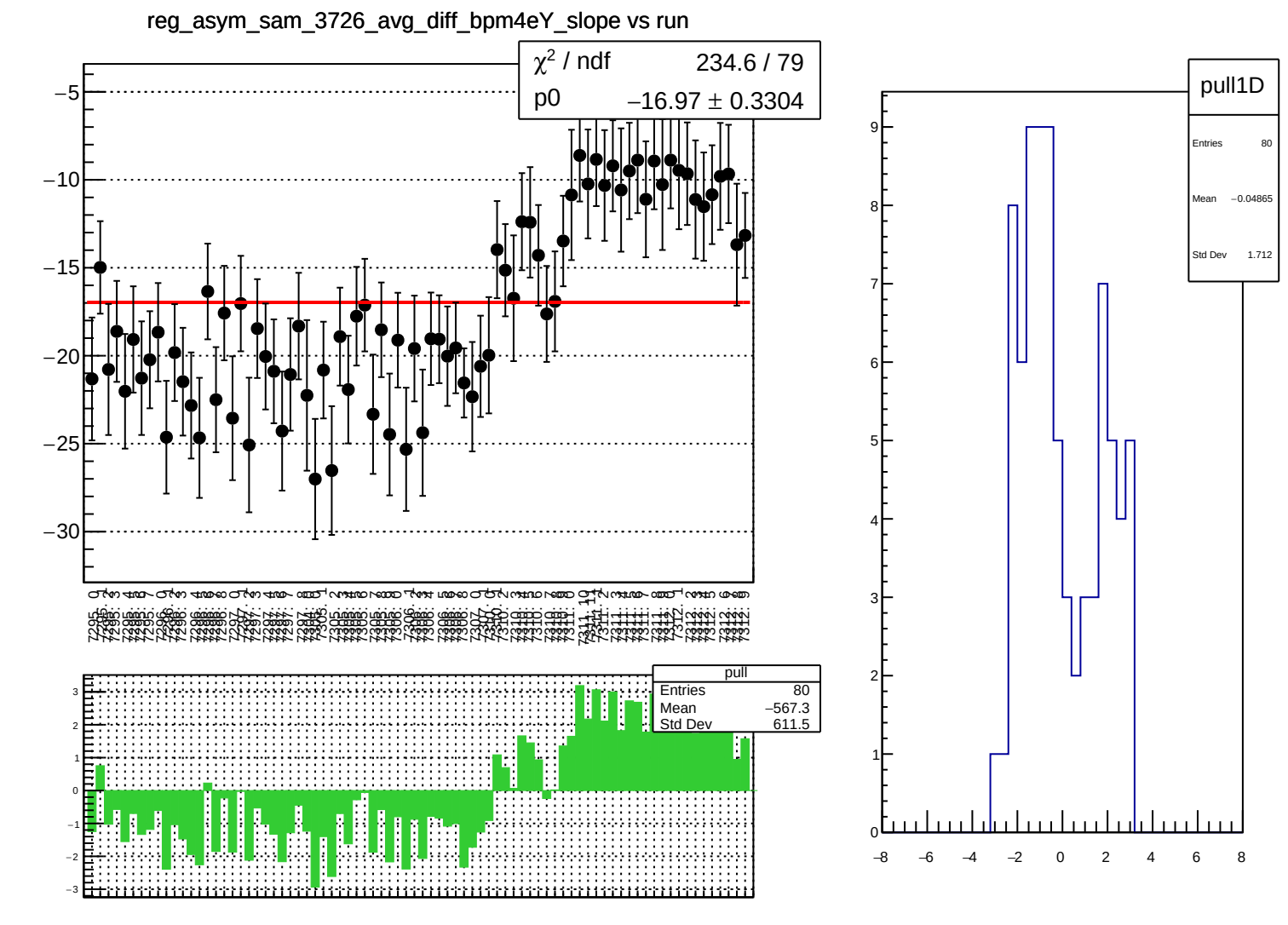

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 42.35 / 79
p0 0.2403 ± 0.007739
pull
Entries 80
Mean 3.128
Std Dev 11.36
pull1D
Entries 80
Mean −0.07722
Std Dev 0.7234

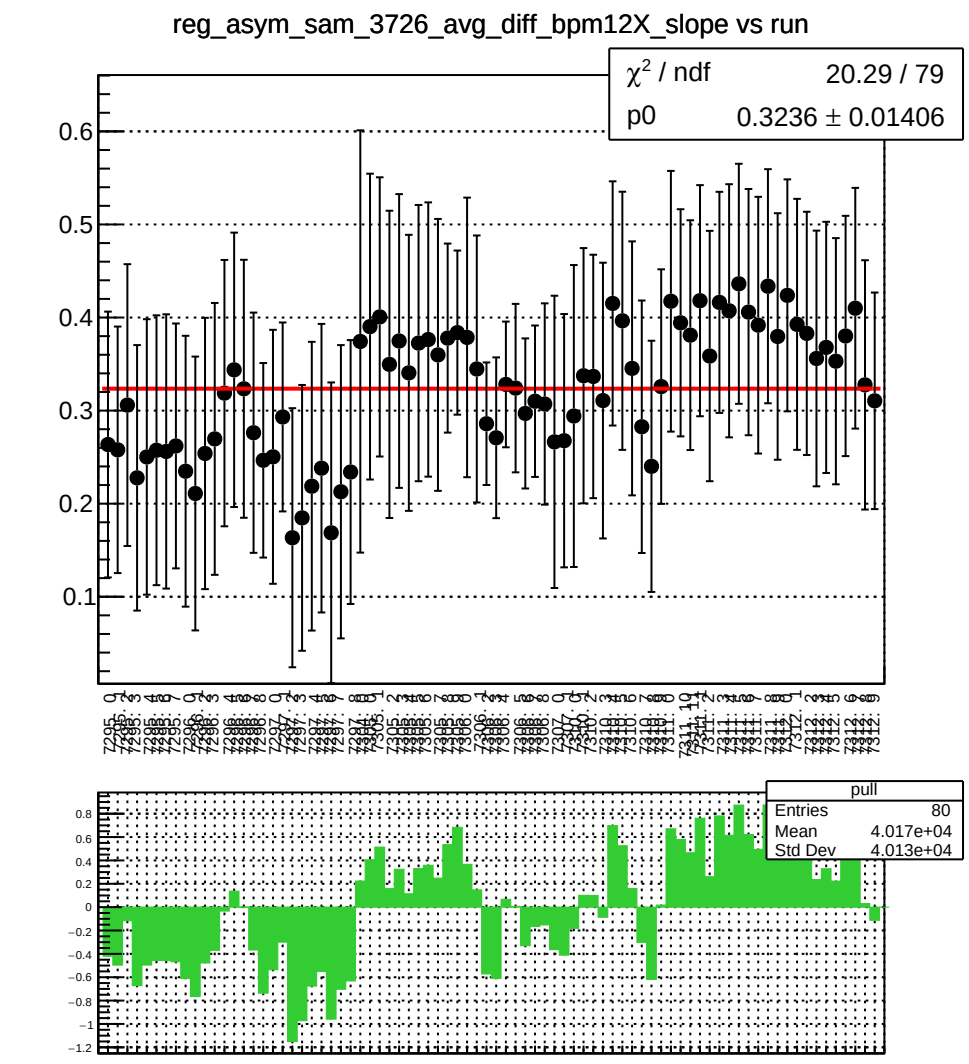

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 797.2 / 79
p0 −18.92 ± 0.336
pull
Entries 80
Mean 200
Std Dev 153.6

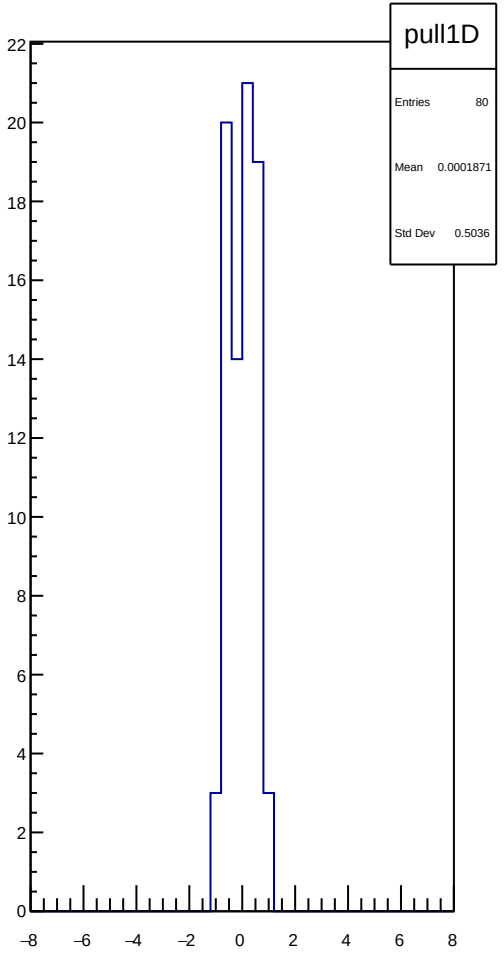

pull1D
Entries 80
Mean 0.3564
Std Dev 3.136

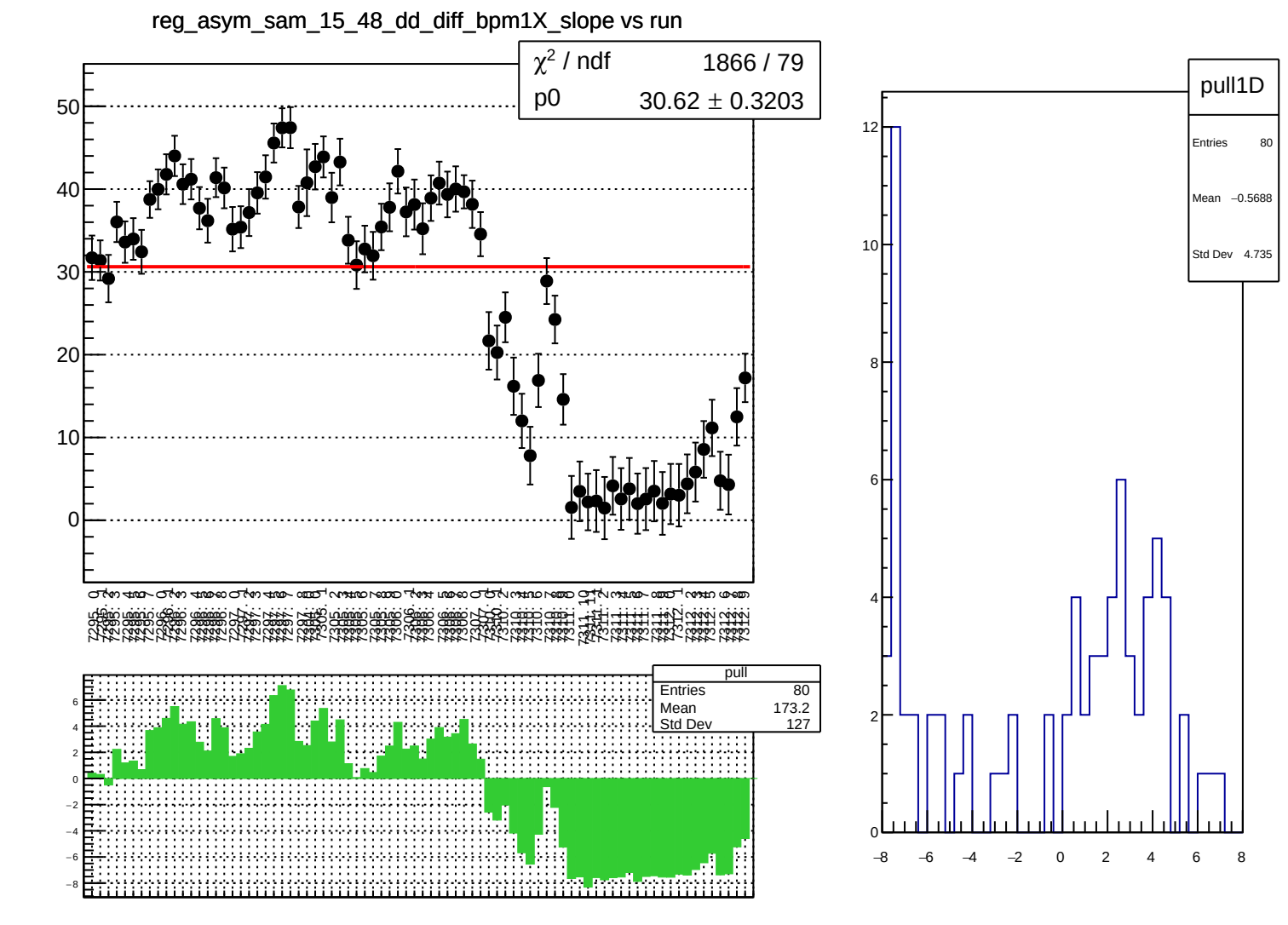

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 254.6 / 79
p0 10.88 ± 0.3071
pull
Entries 80
Mean −431
Std Dev 474
pull1D
Entries 80
Mean 0.07031
Std Dev 1.782

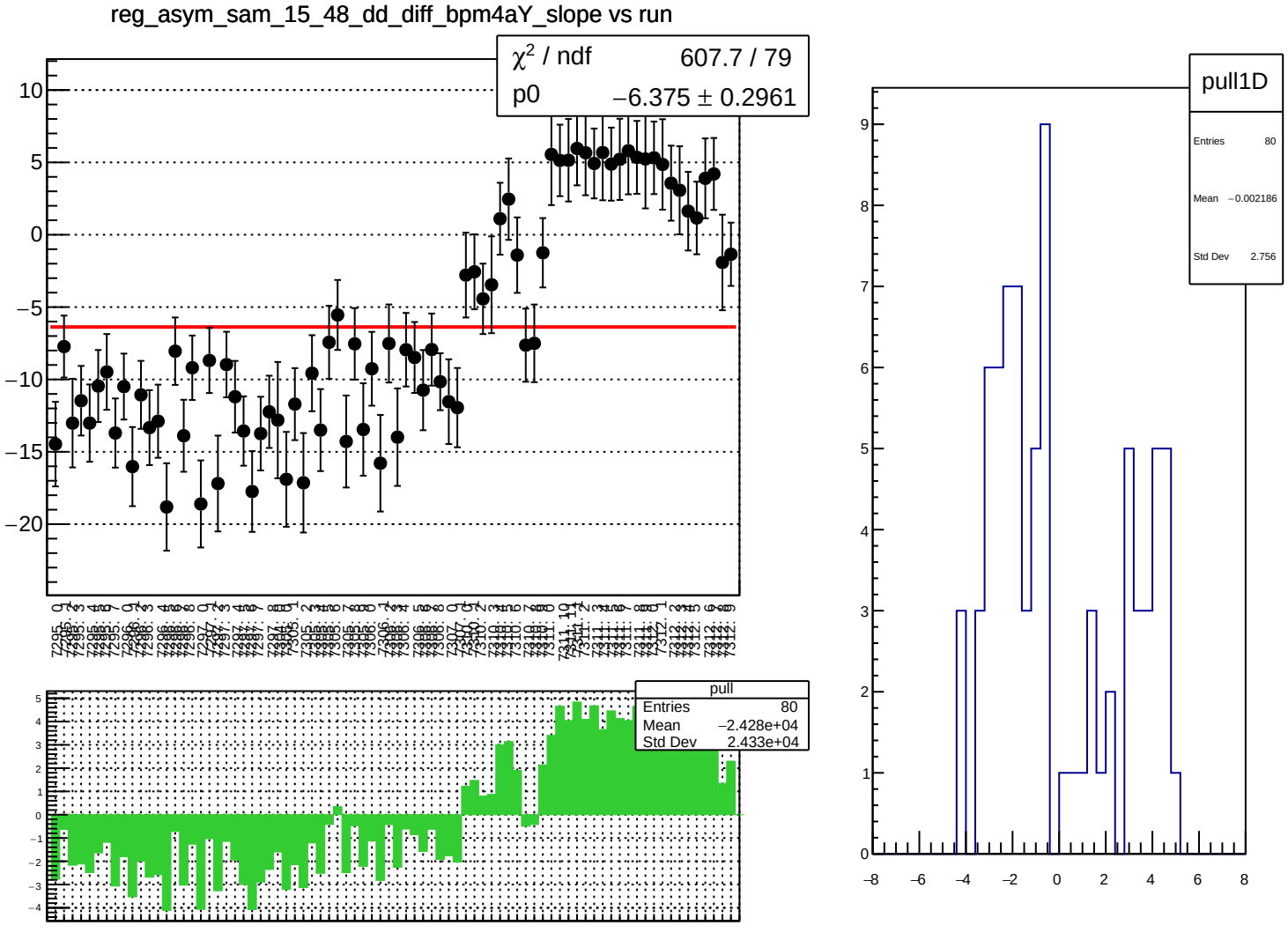

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 477.6 / 79
p0 −30.46 ± 0.3328
pull
Entries 80
Mean 189.3
Std Dev 144.3
pull1D
Entries 80
Mean −0.3055
Std Dev 2.424

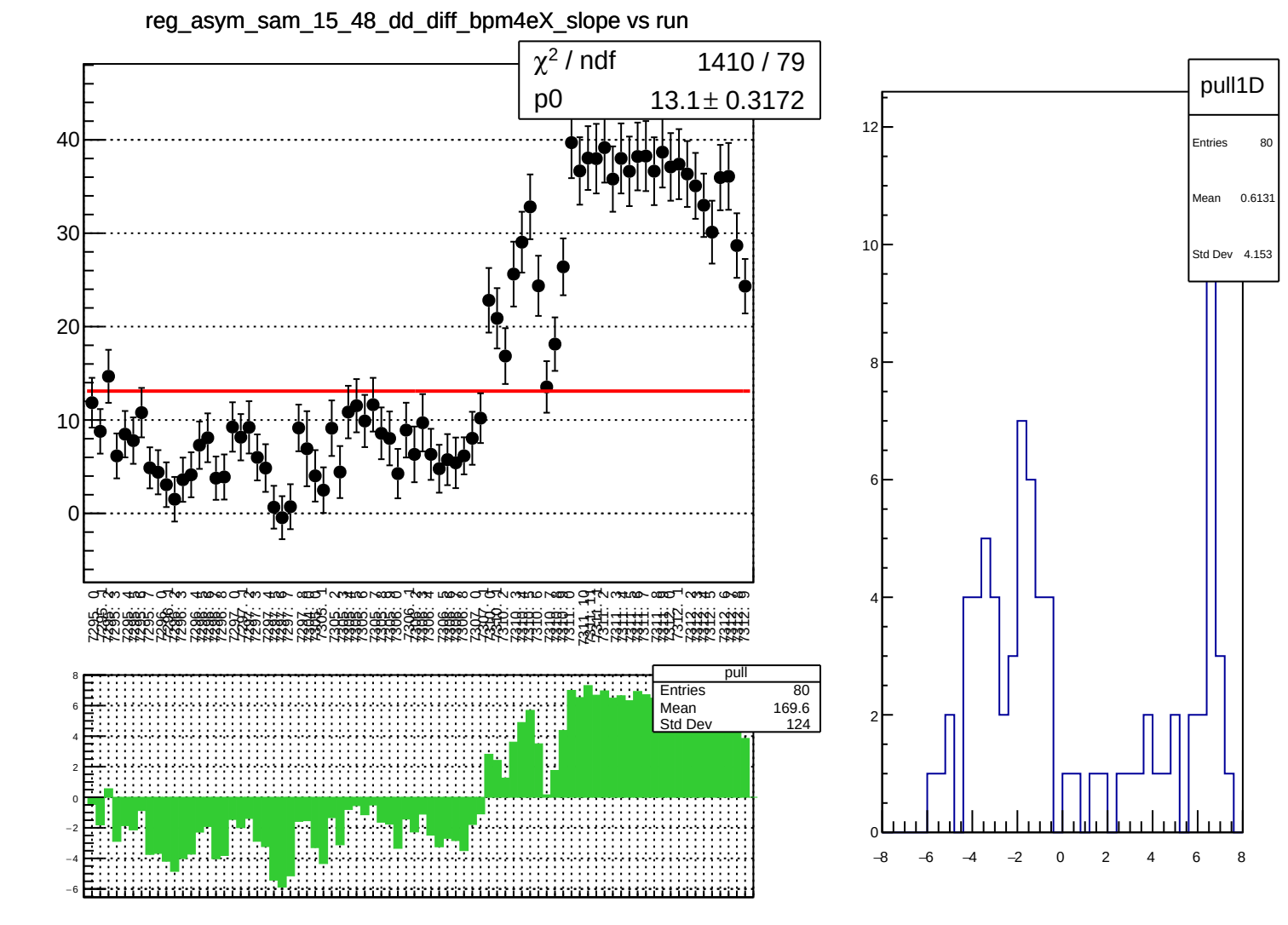

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 234.6 / 79
p0 −16.97 ± 0.3304
pull
Entries 80
Mean −567.3
Std Dev 611.5
pull1D
Entries 80
Mean −0.04865
Std Dev 1.712

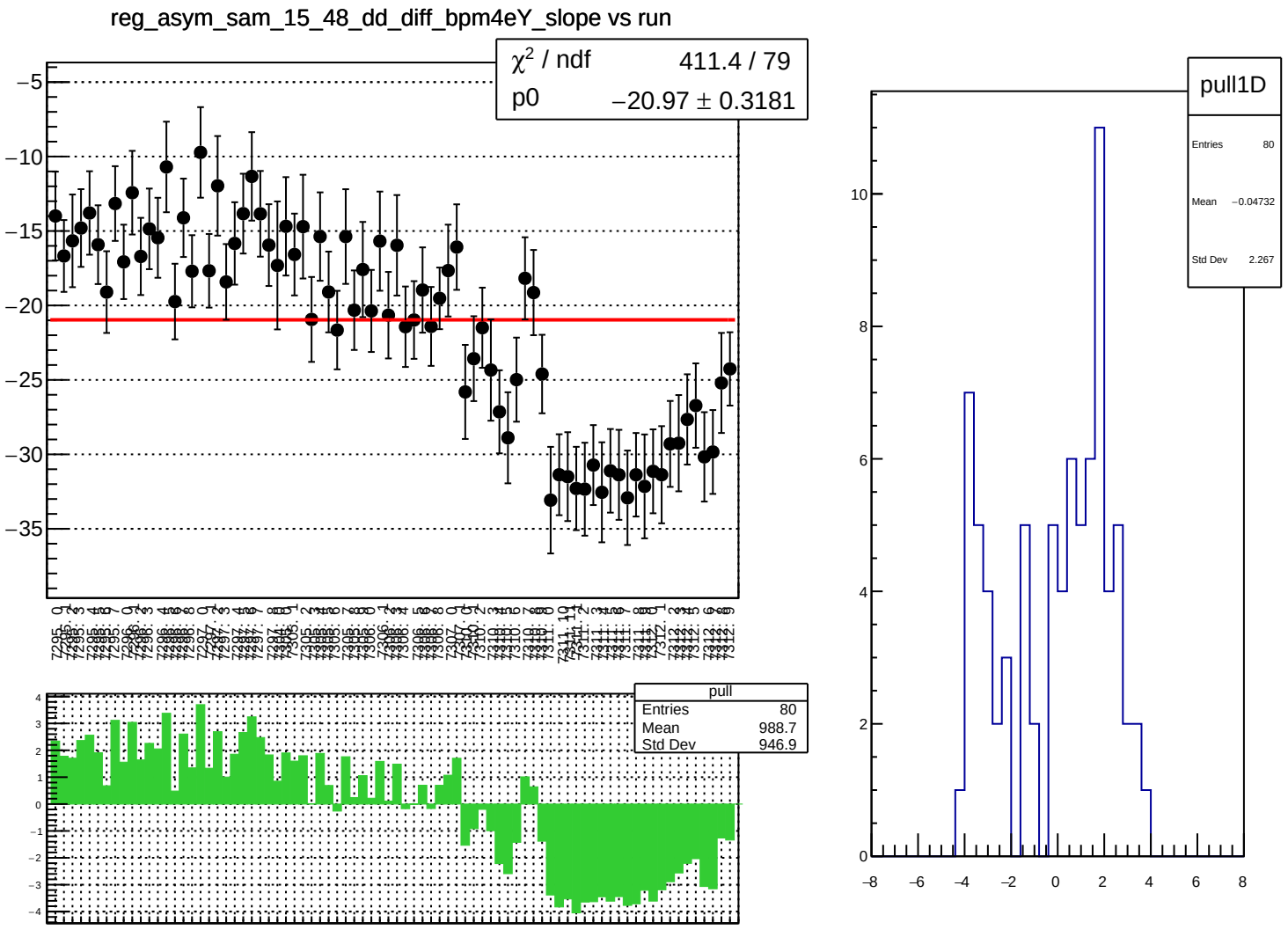

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 20.29 / 79
p0 0.3236 ± 0.01406
pull
Entries 80
Mean 4.017e+04
Std Dev 4.013e+04

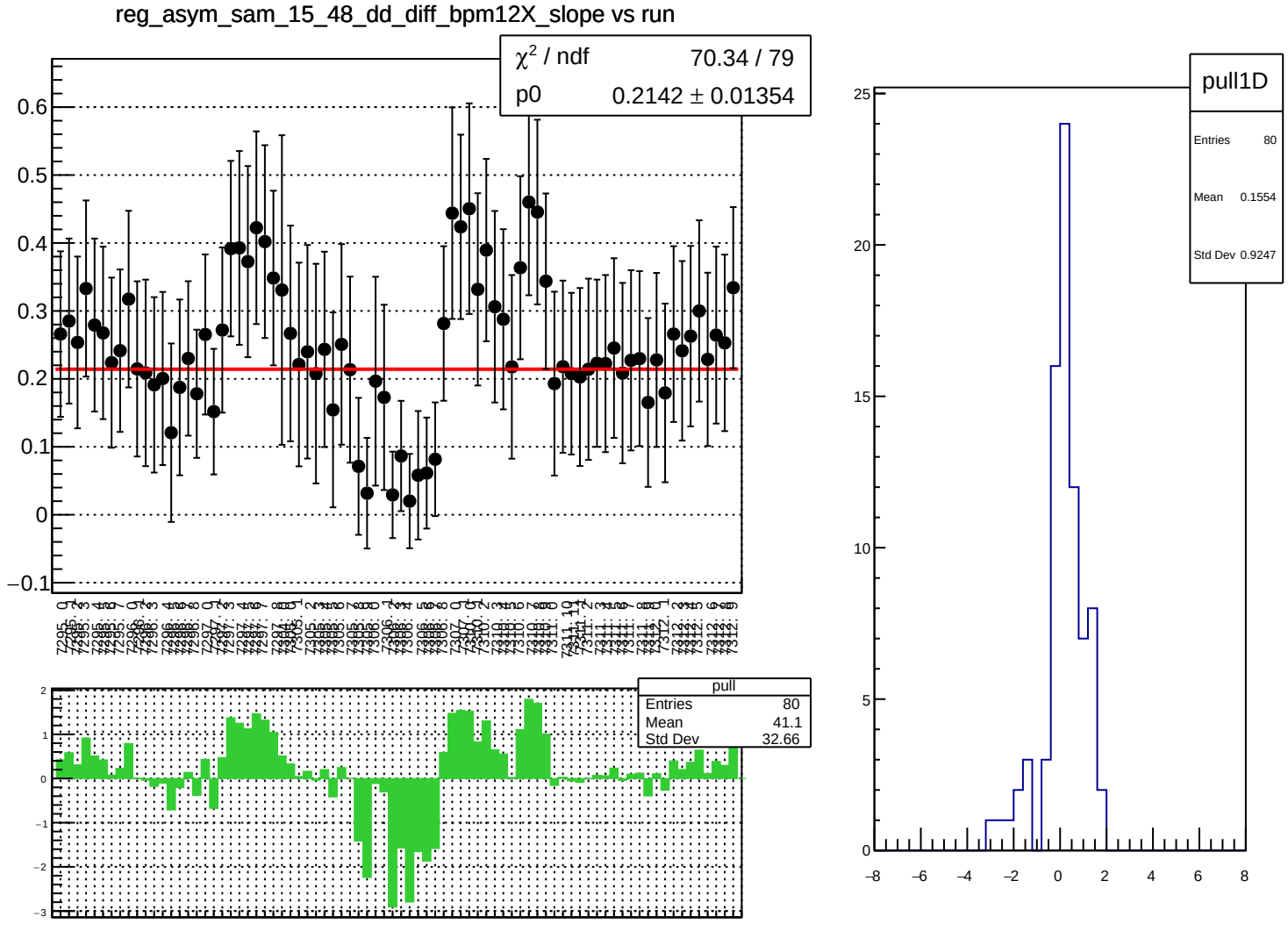

pull1D
Entries 80
Mean 0.0001871
Std Dev 0.5036

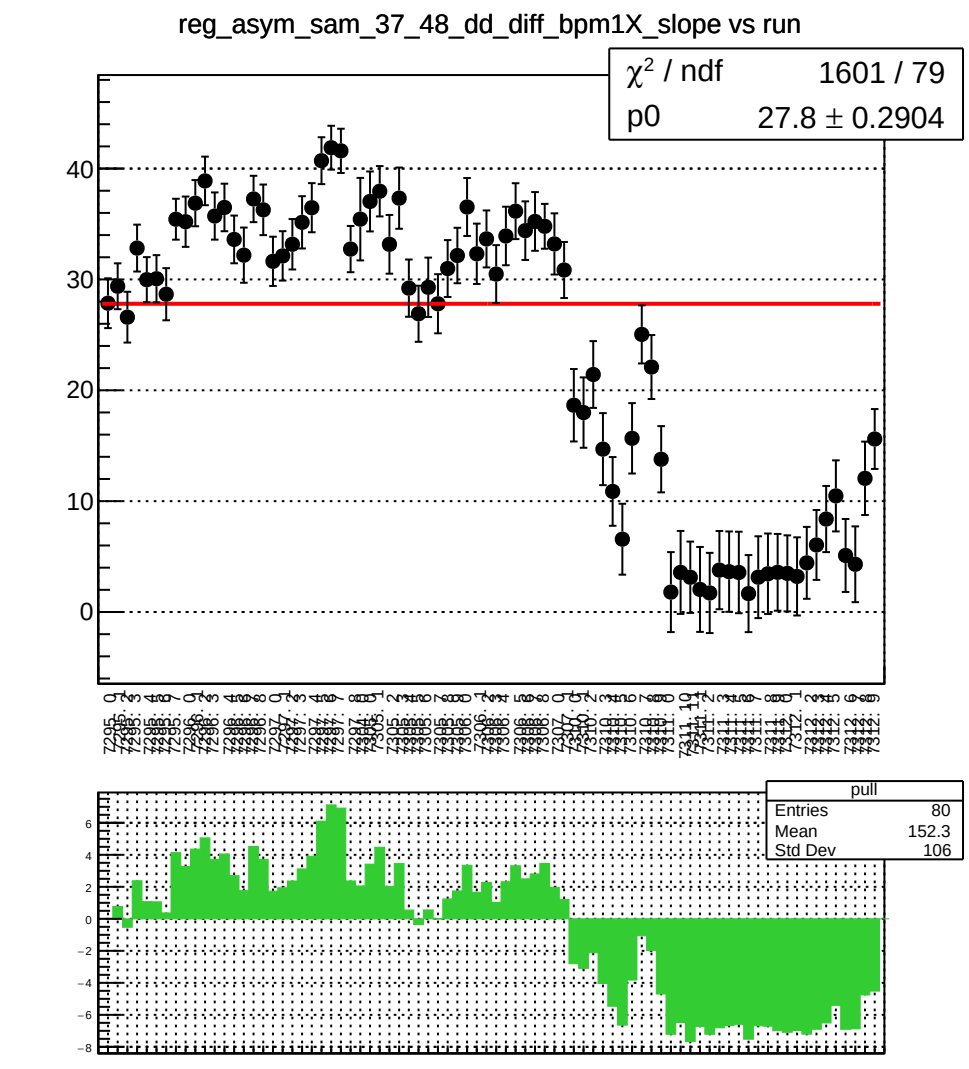

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1866 / 79
p0 30.62 ± 0.3203
pull
Entries 80
Mean 173.2
Std Dev 127
pull1D
Entries 80
Mean −0.5688
Std Dev 4.735

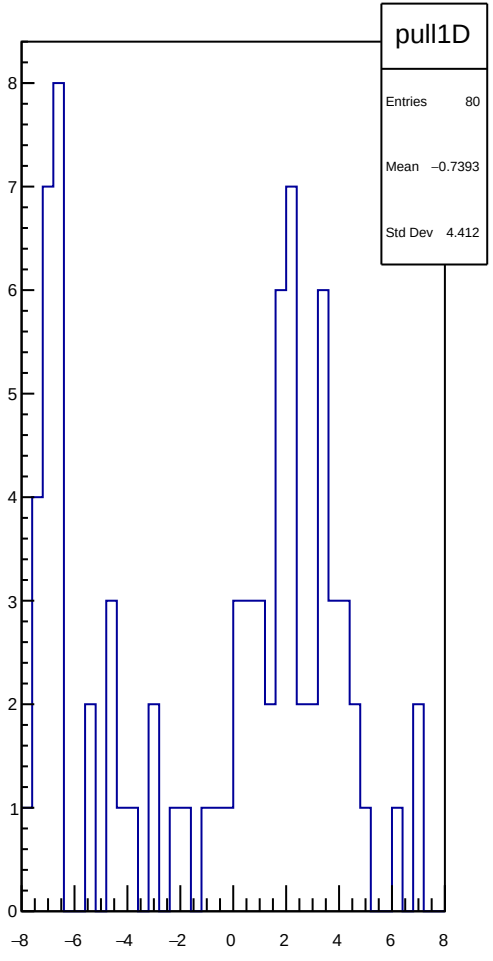

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 607.7 / 79
p0 −6.375 ± 0.2961
pull
Entries 80
Mean −2.428e+04
Std Dev 2.433e+04
pull1D
Entries 80
Mean −0.002186
Std Dev 2.756

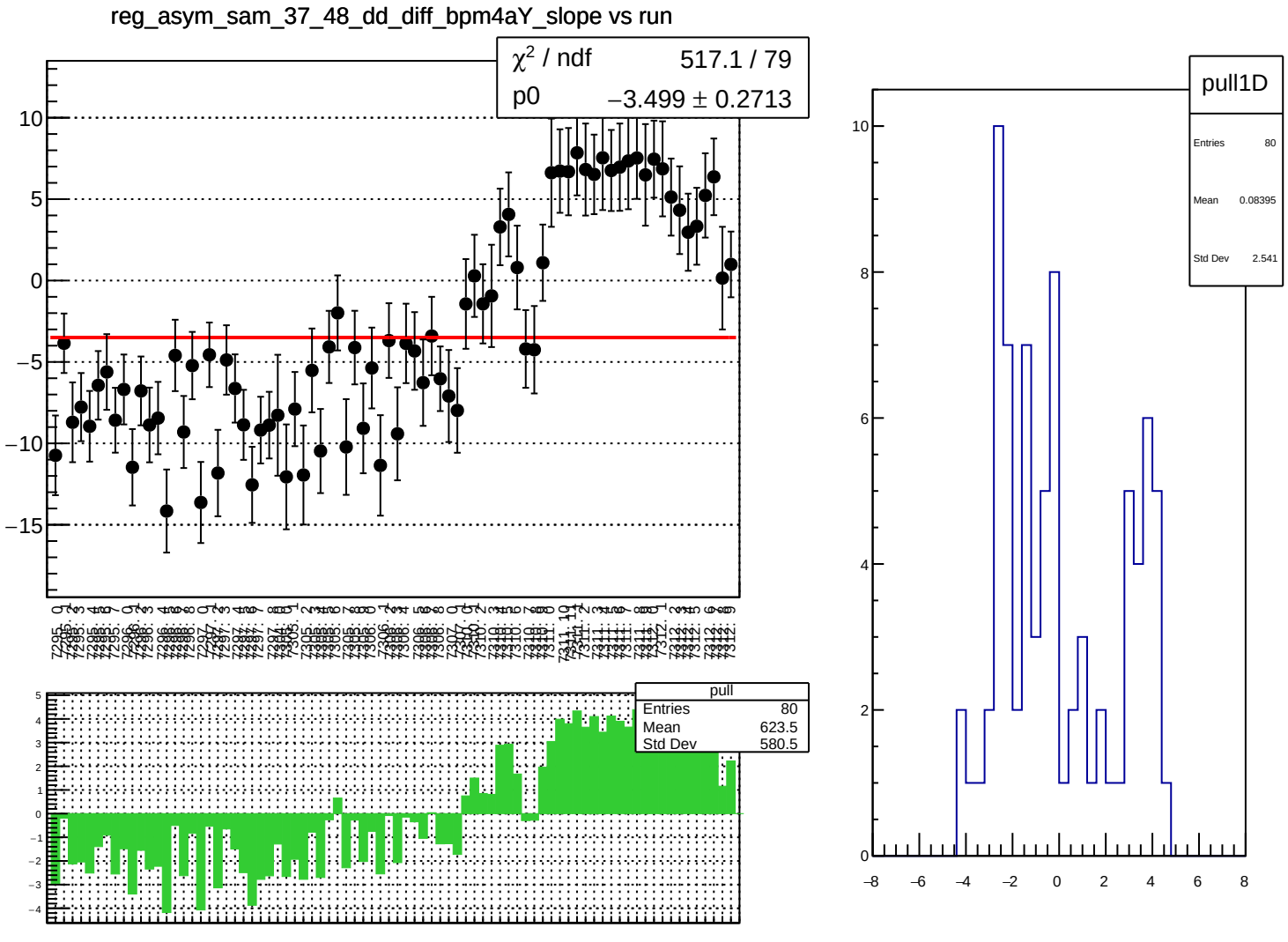

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1410 / 79
p0 13.1 ± 0.3172
pull
Entries 80
Mean 169.6
Std Dev 124
pull1D
Entries 80
Mean 0.6131
Std Dev 4.153

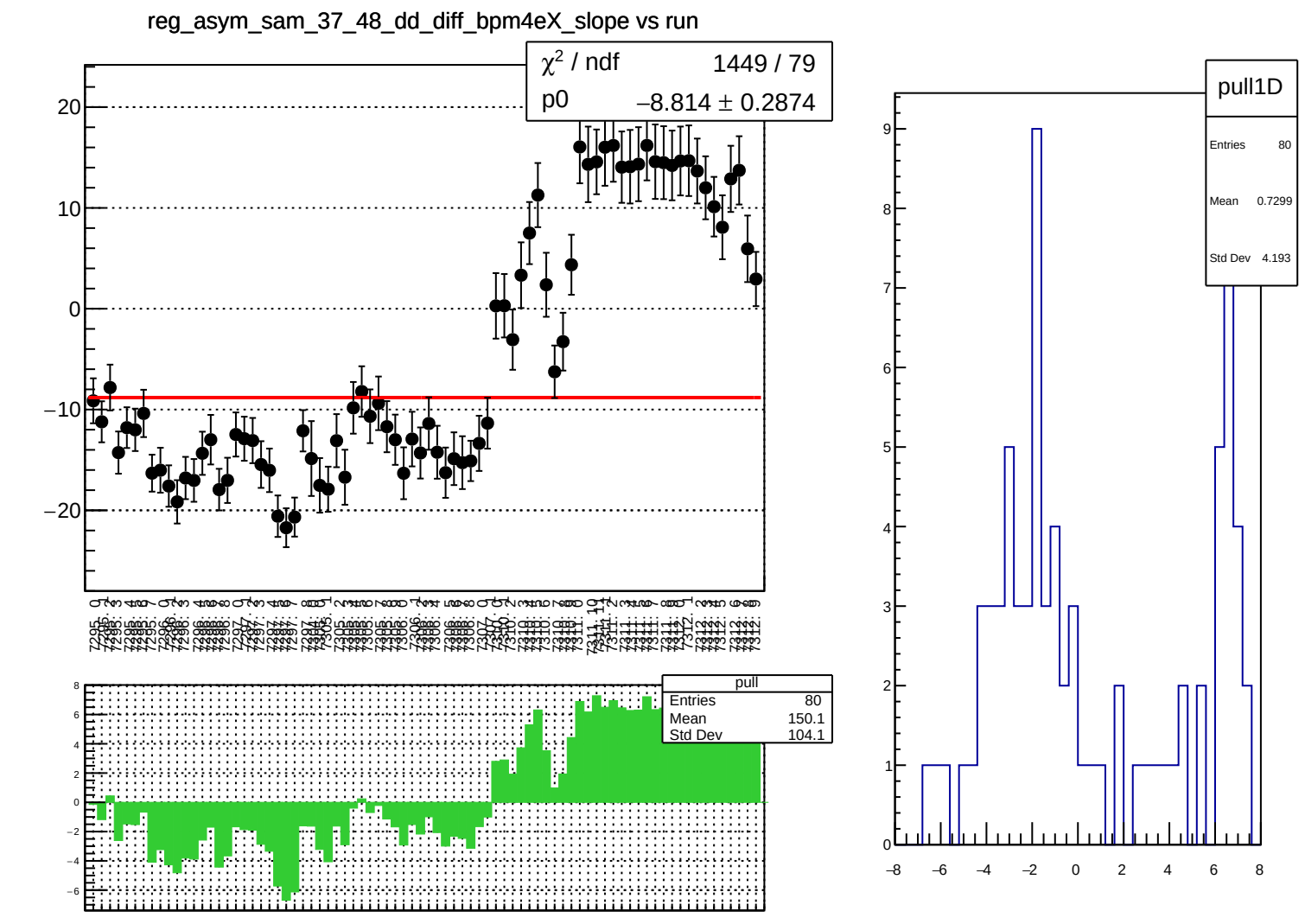

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 411.4 / 79
p0 −20.97 ± 0.3181
pull
Entries 80
Mean 988.7
Std Dev 946.9
pull1D
Entries 80
Mean −0.04732
Std Dev 2.267

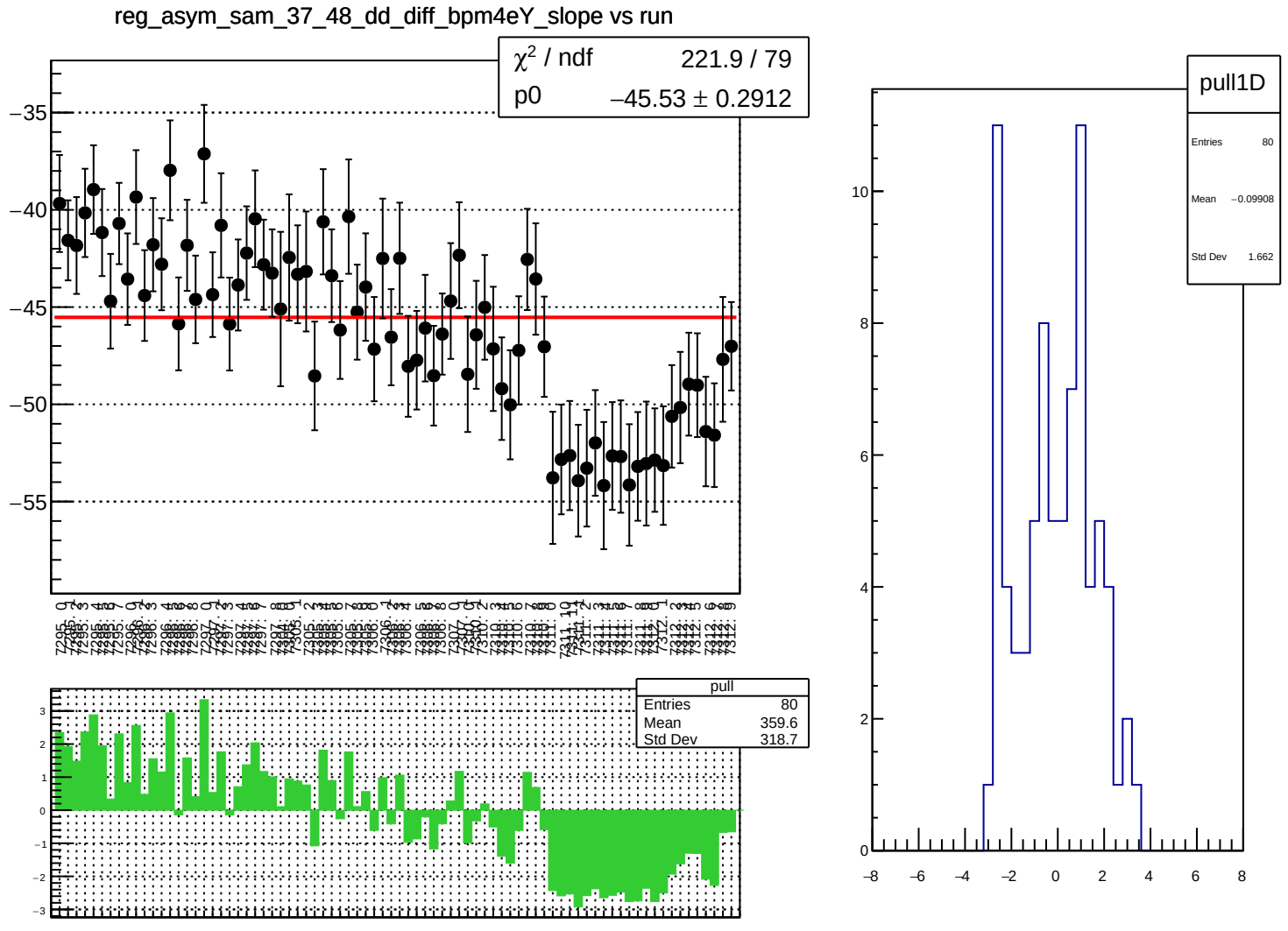

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 70.34 / 79
p0 0.2142 ± 0.01354
pull
Entries 80
Mean 41.1
Std Dev 32.66
pull1D
Entries 80
Mean 0.1554
Std Dev 0.9247

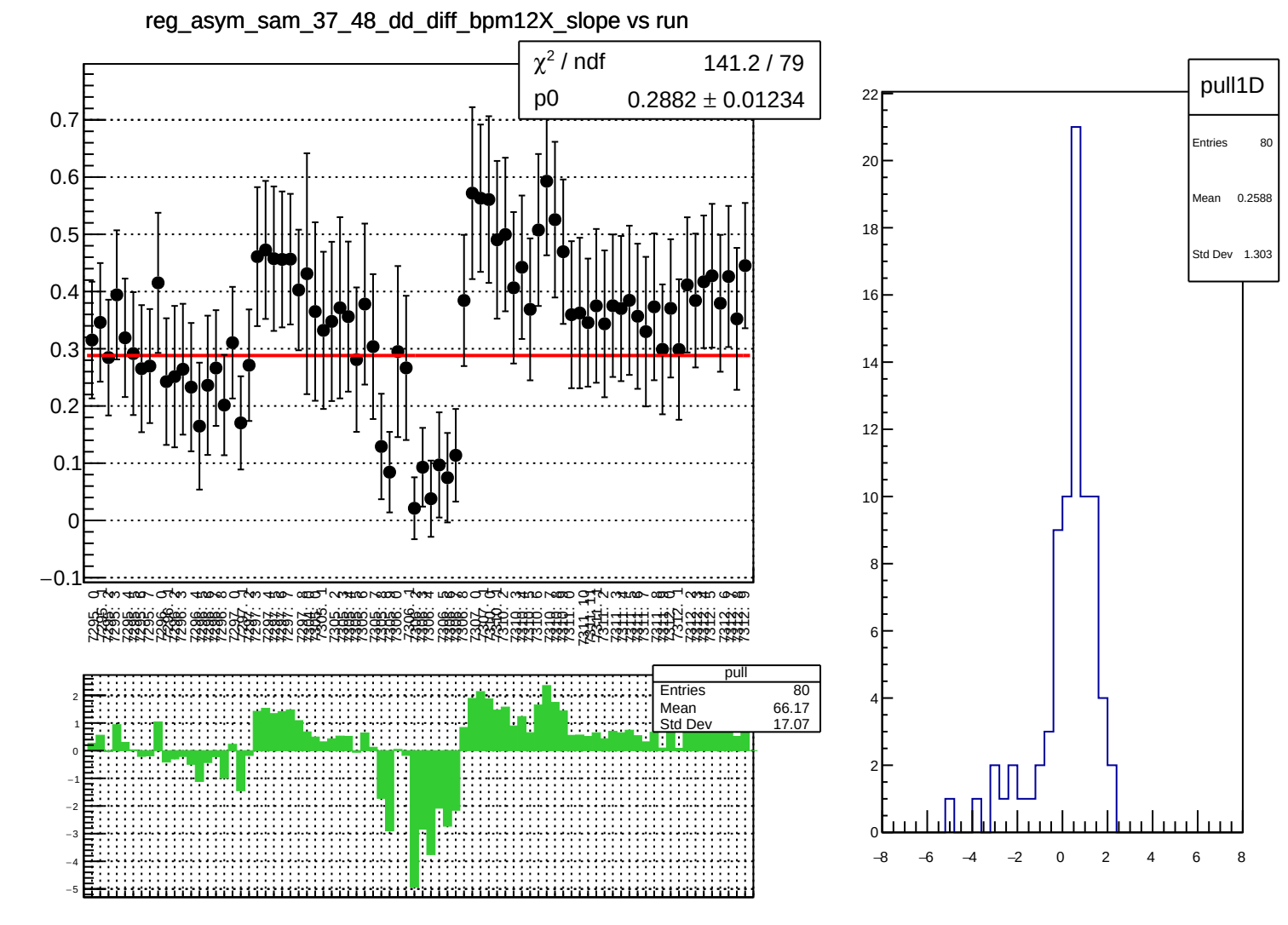

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1601 / 79
p0 27.8 ± 0.2904
pull
Entries 80
Mean 152.3
Std Dev 106

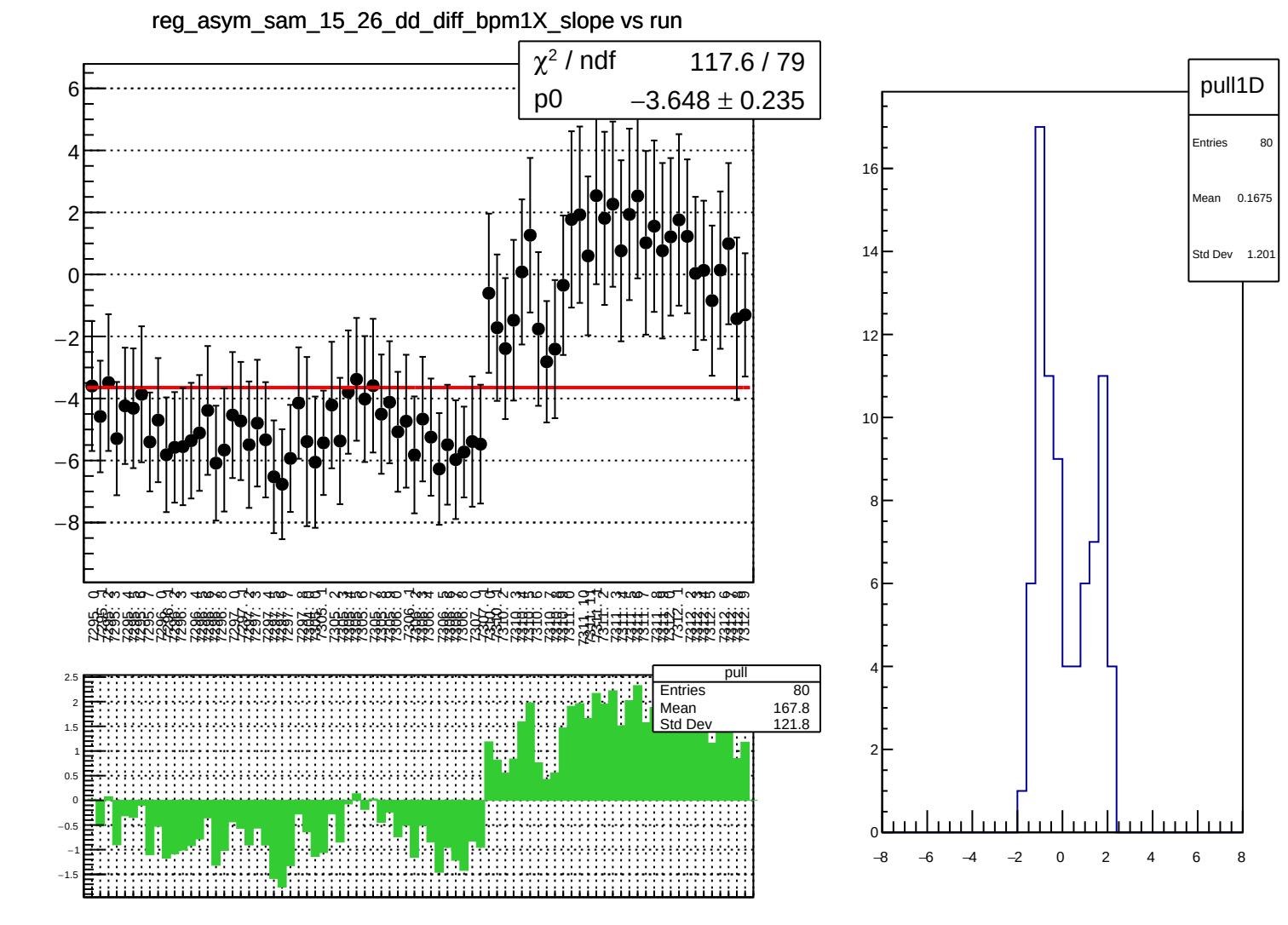

pull1D
Entries 80
Mean −0.7393
Std Dev 4.412

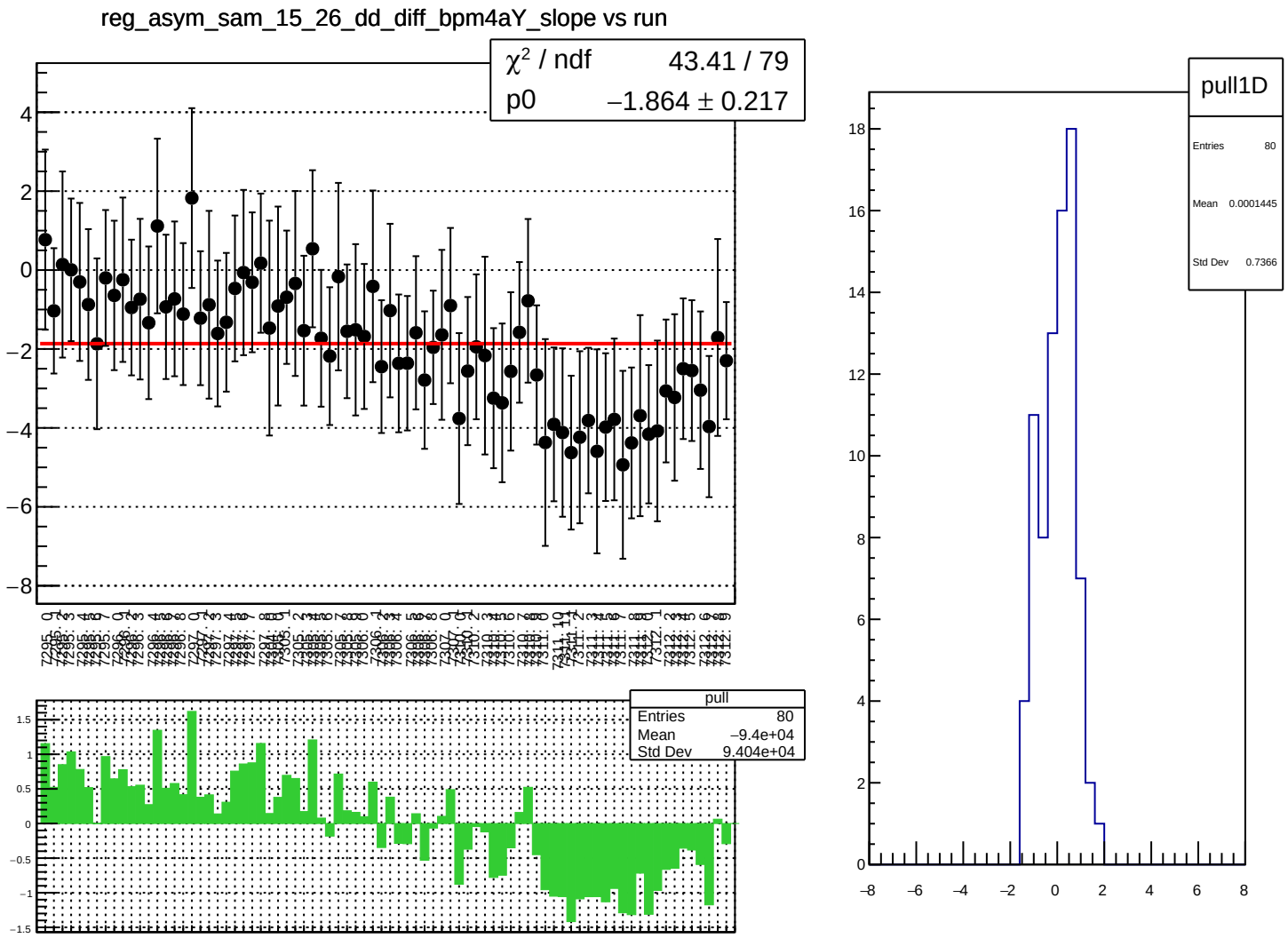

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 517.1 / 79
p0 −3.499 ± 0.2713
pull
Entries 80
Mean 623.5
Std Dev 580.5
pull1D
Entries 80
Mean 0.08395
Std Dev 2.541

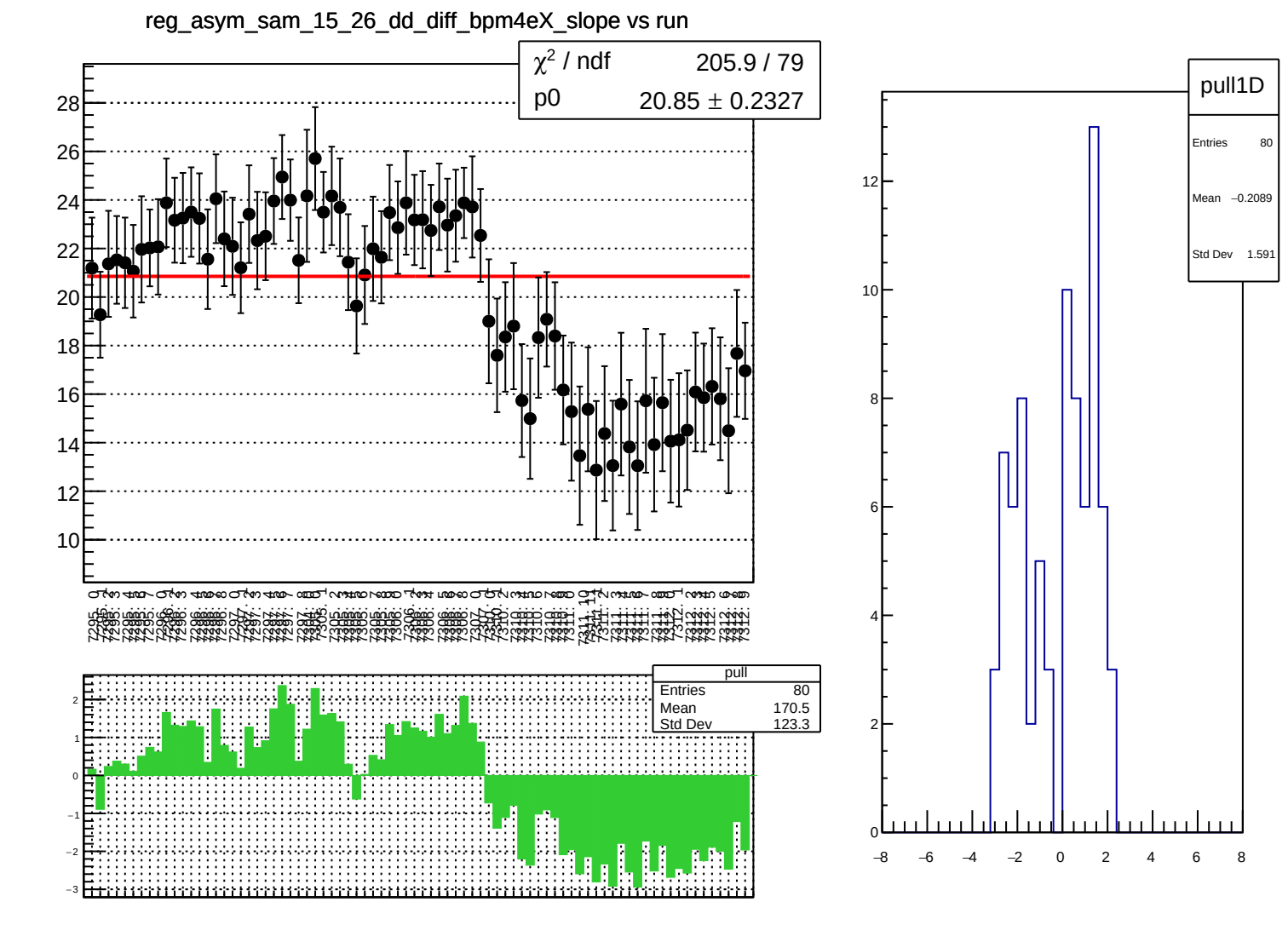

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1449 / 79
p0 −8.814 ± 0.2874
pull
Entries 80
Mean 150.1
Std Dev 104.1
pull1D
Entries 80
Mean 0.7299
Std Dev 4.193

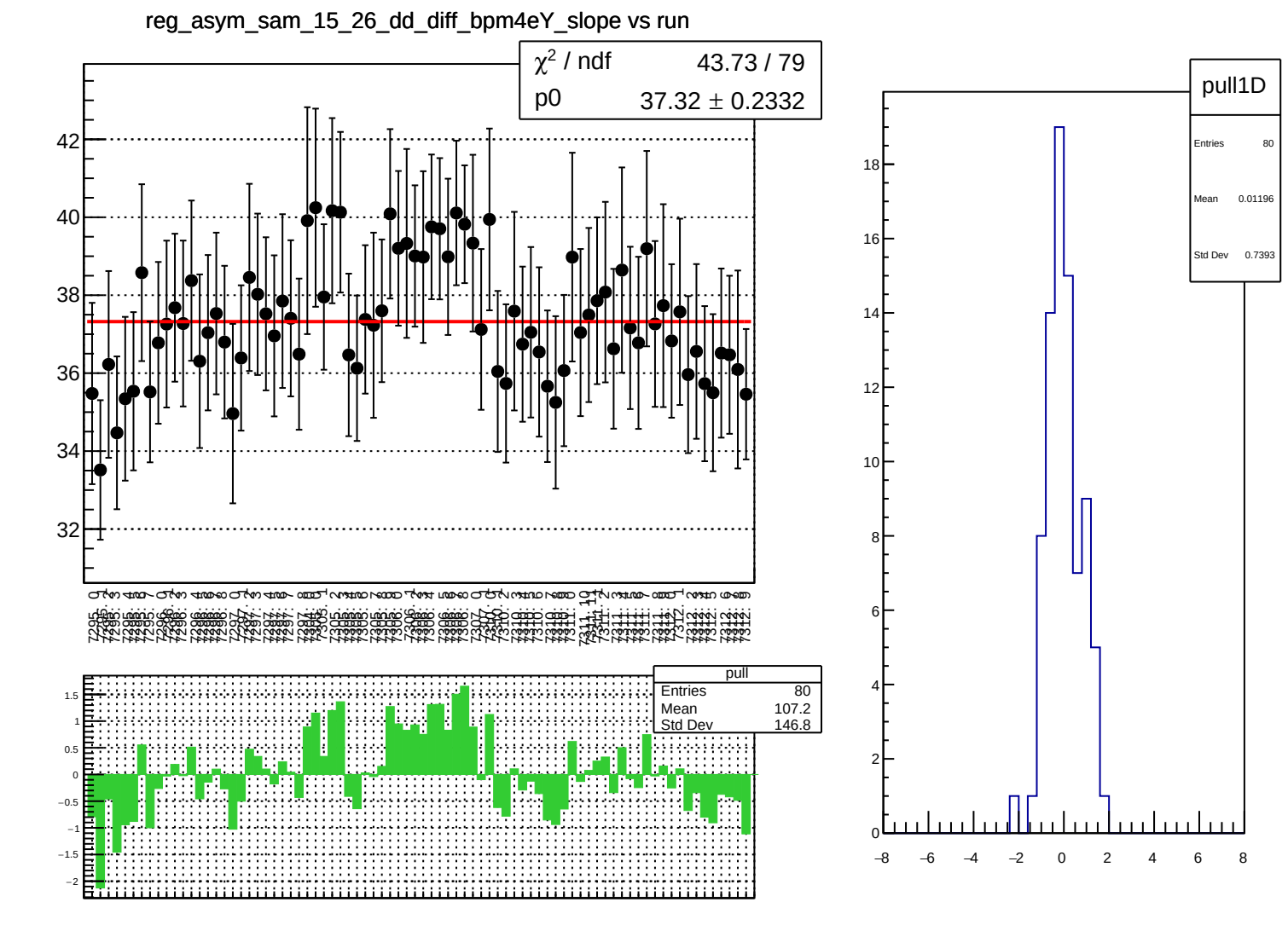

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.9 / 79
p0 −45.53 ± 0.2912
pull
Entries 80
Mean 359.6
Std Dev 318.7
pull1D
Entries 80
Mean −0.09908
Std Dev 1.662

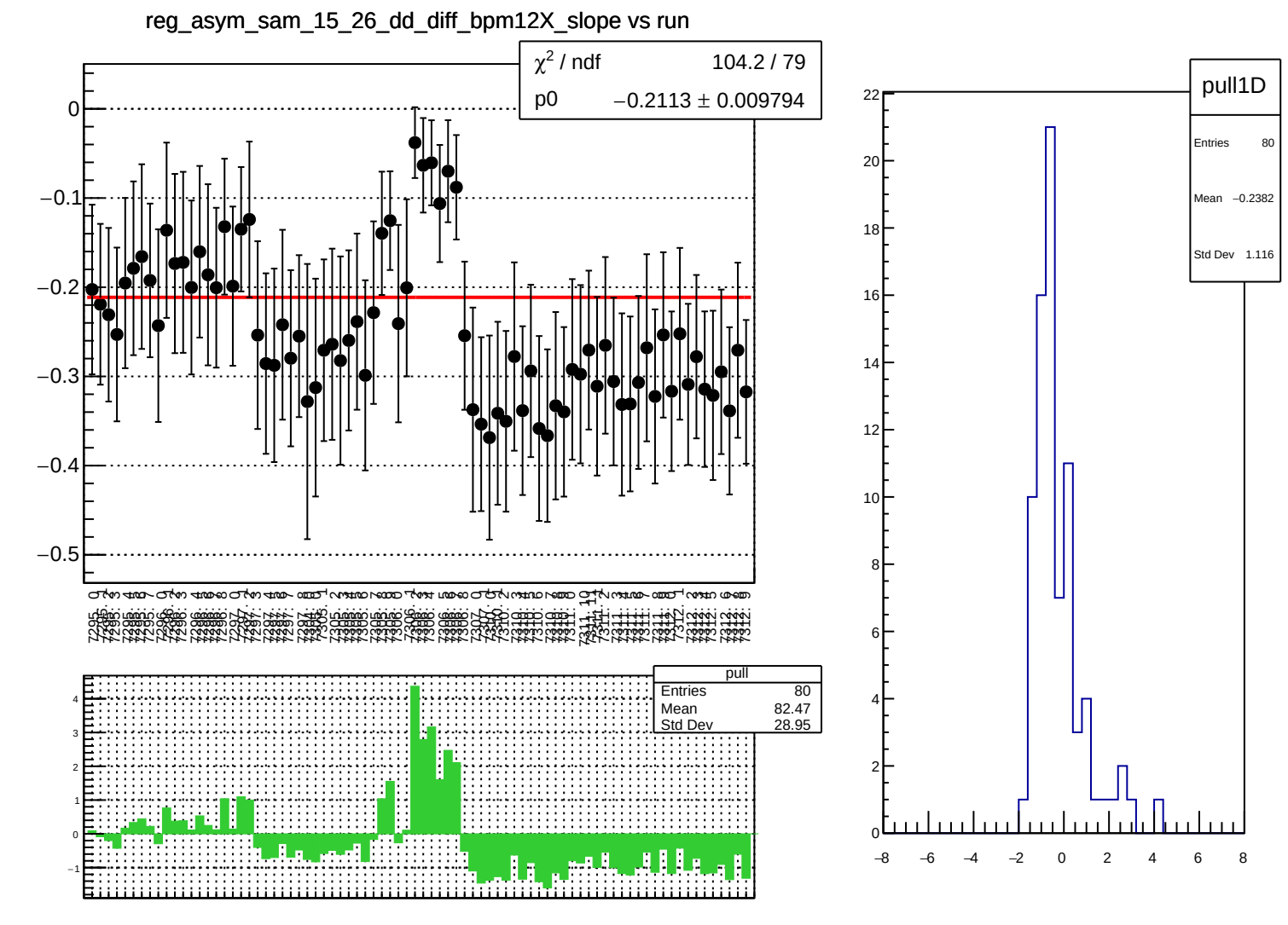

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 141.2 / 79
p0 0.2882 ± 0.01234
pull
Entries 80
Mean 66.17
Std Dev 17.07
pull1D
Entries 80
Mean 0.2588
Std Dev 1.303

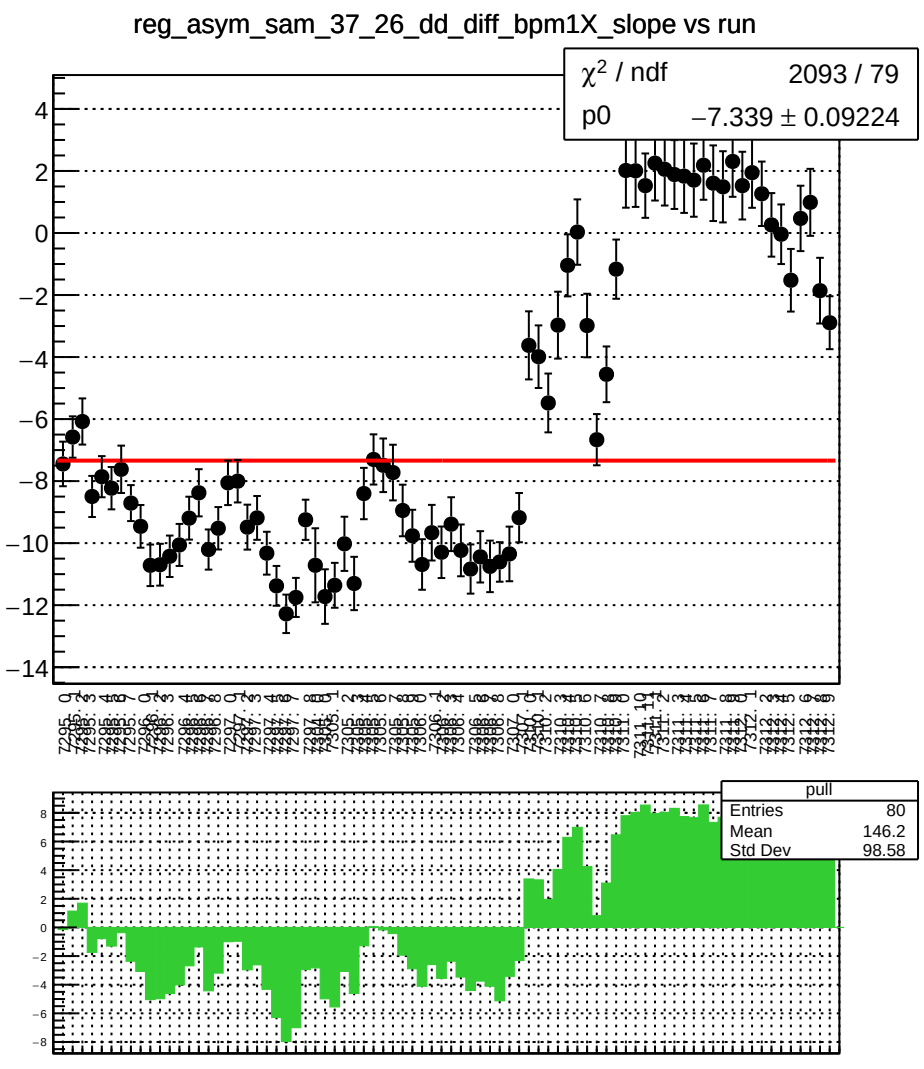

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 117.6 / 79
p0 −3.648 ± 0.235
pull
Entries 80
Mean 167.8
Std Dev 121.8
pull1D
Entries 80
Mean 0.1675
Std Dev 1.201

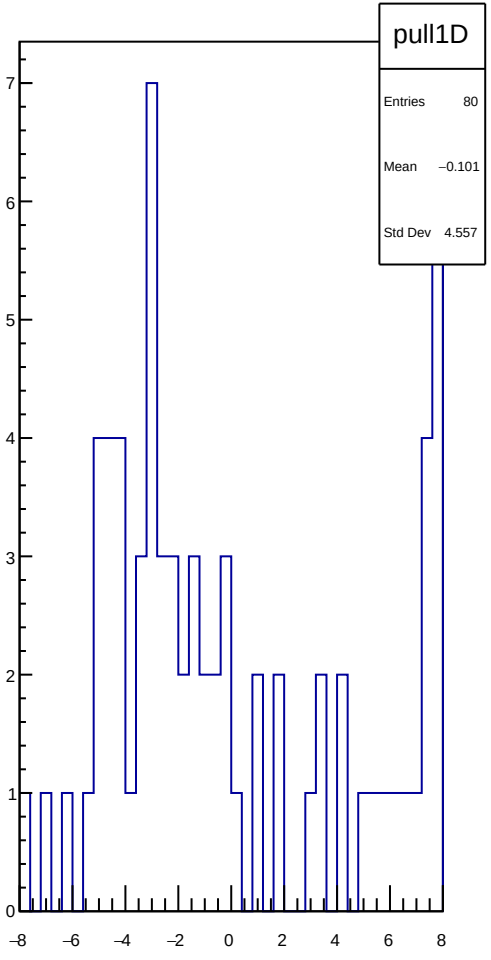

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.41 / 79
p0 −1.864 ± 0.217
pull
Entries 80
Mean −9.4e+04
Std Dev 9.404e+04
pull1D
Entries 80
Mean 0.0001445
Std Dev 0.7366

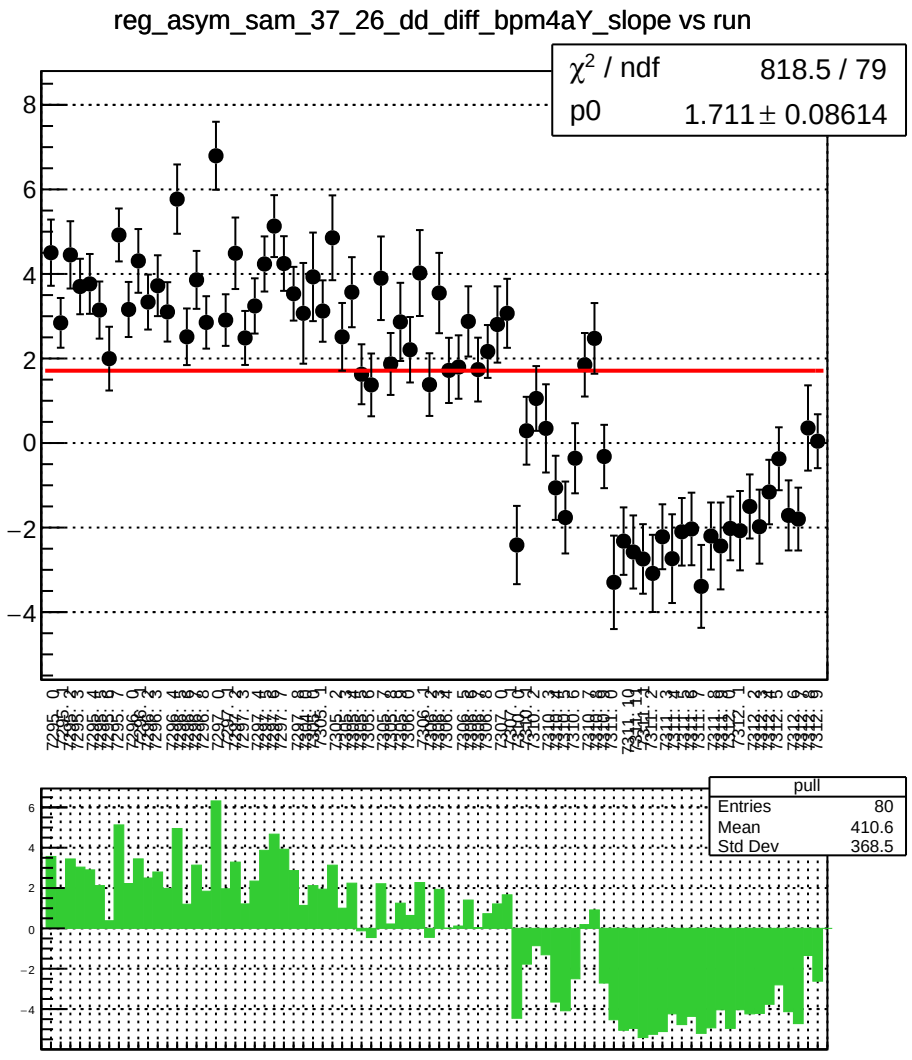

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.9 / 79
p0 20.85 ± 0.2327
pull
Entries 80
Mean 170.5
Std Dev 123.3
pull1D
Entries 80
Mean −0.2089
Std Dev 1.591

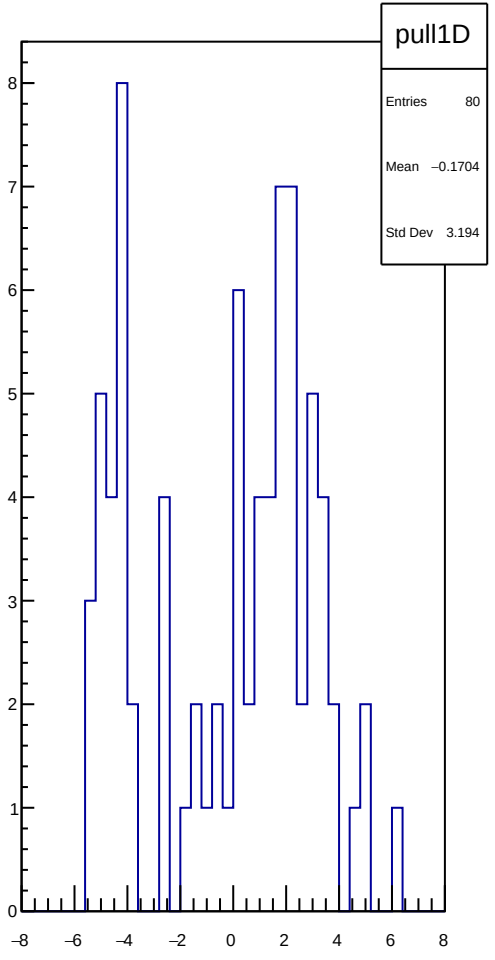

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.73 / 79
p0 37.32 ± 0.2332
pull
Entries 80
Mean 107.2
Std Dev 146.8
pull1D
Entries 80
Mean 0.01196
Std Dev 0.7393

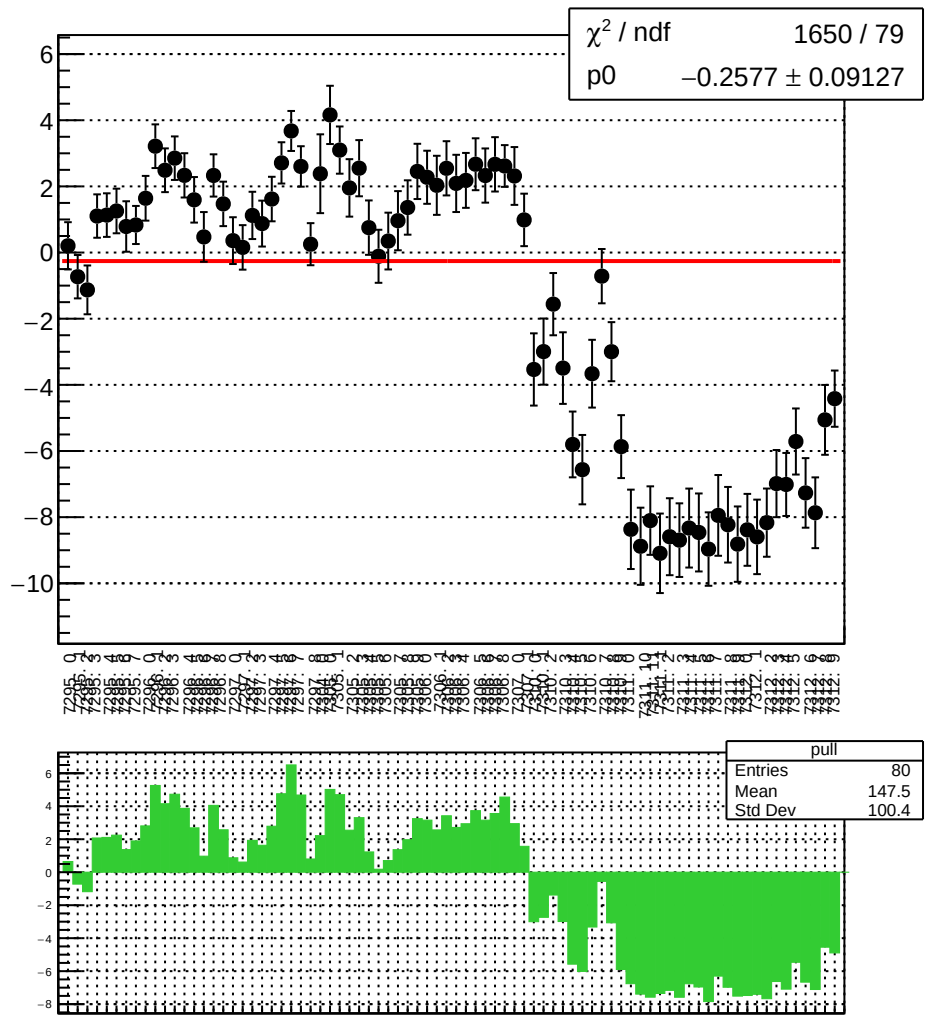

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 104.2 / 79
p0 −0.2113 ± 0.009794
pull
Entries 80
Mean 82.47
Std Dev 28.95
pull1D
Entries 80
Mean −0.2382
Std Dev 1.116

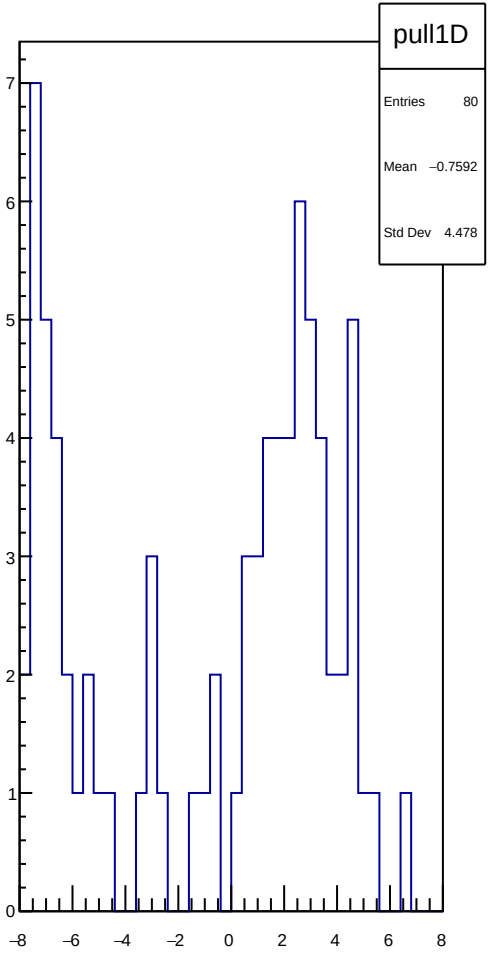

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2093 / 79
p0 −7.339 ± 0.09224
pull
Entries 80
Mean 146.2
Std Dev 98.58

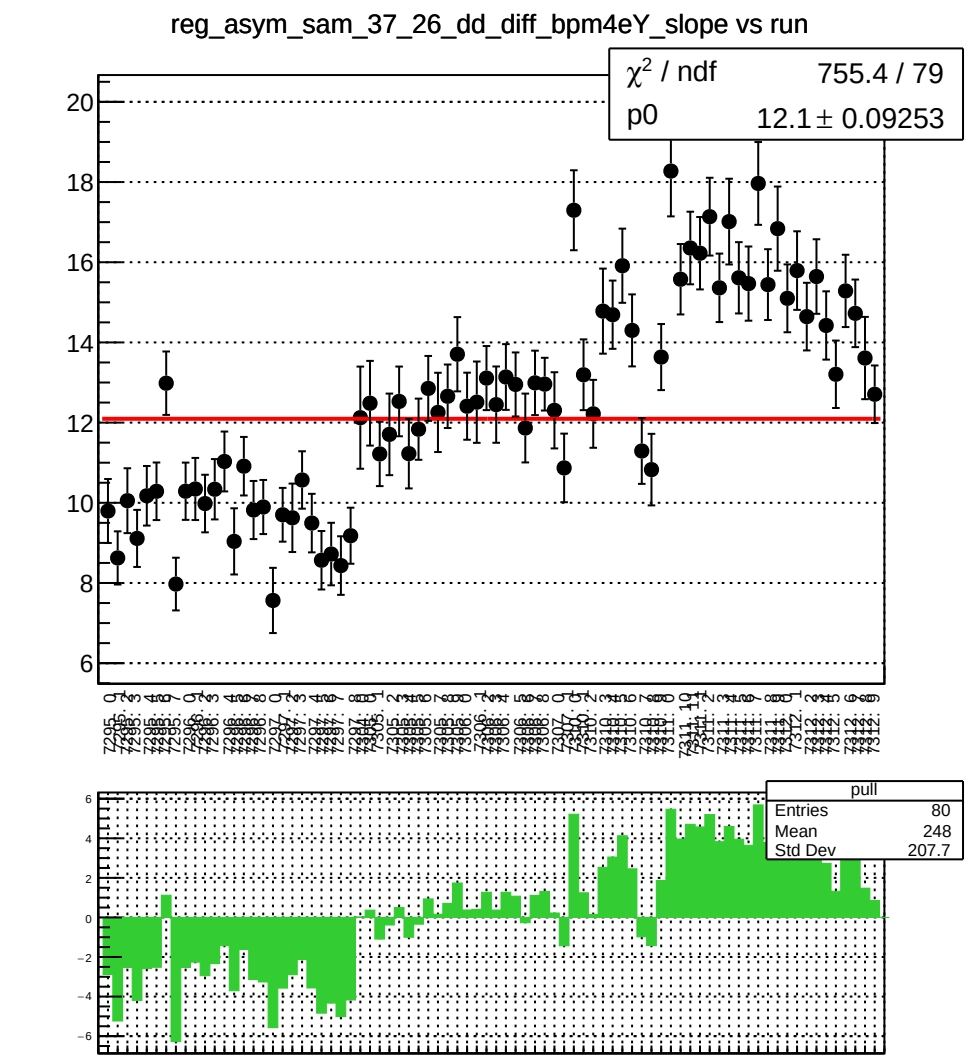

pull1D
Entries 80
Mean −0.101
Std Dev 4.557

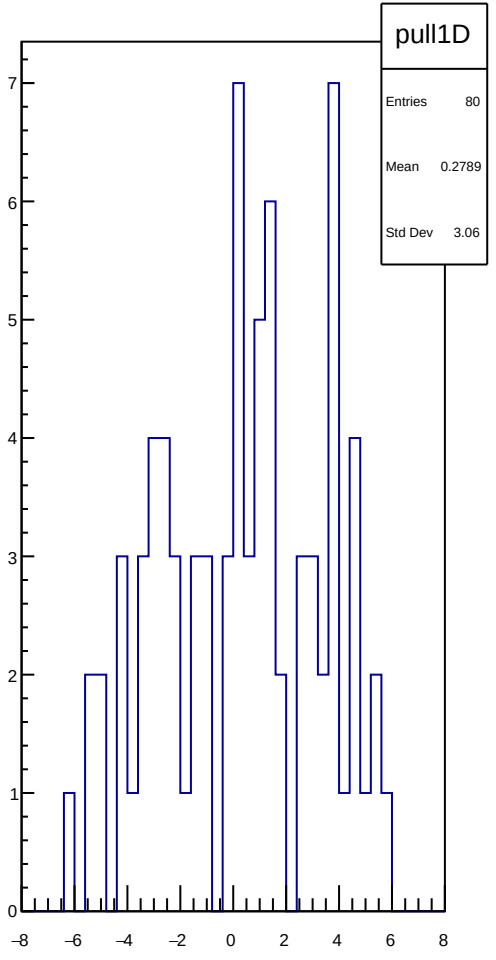

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 818.5 / 79
p0 1.711 ± 0.08614
pull
Entries 80
Mean 410.6
Std Dev 368.5

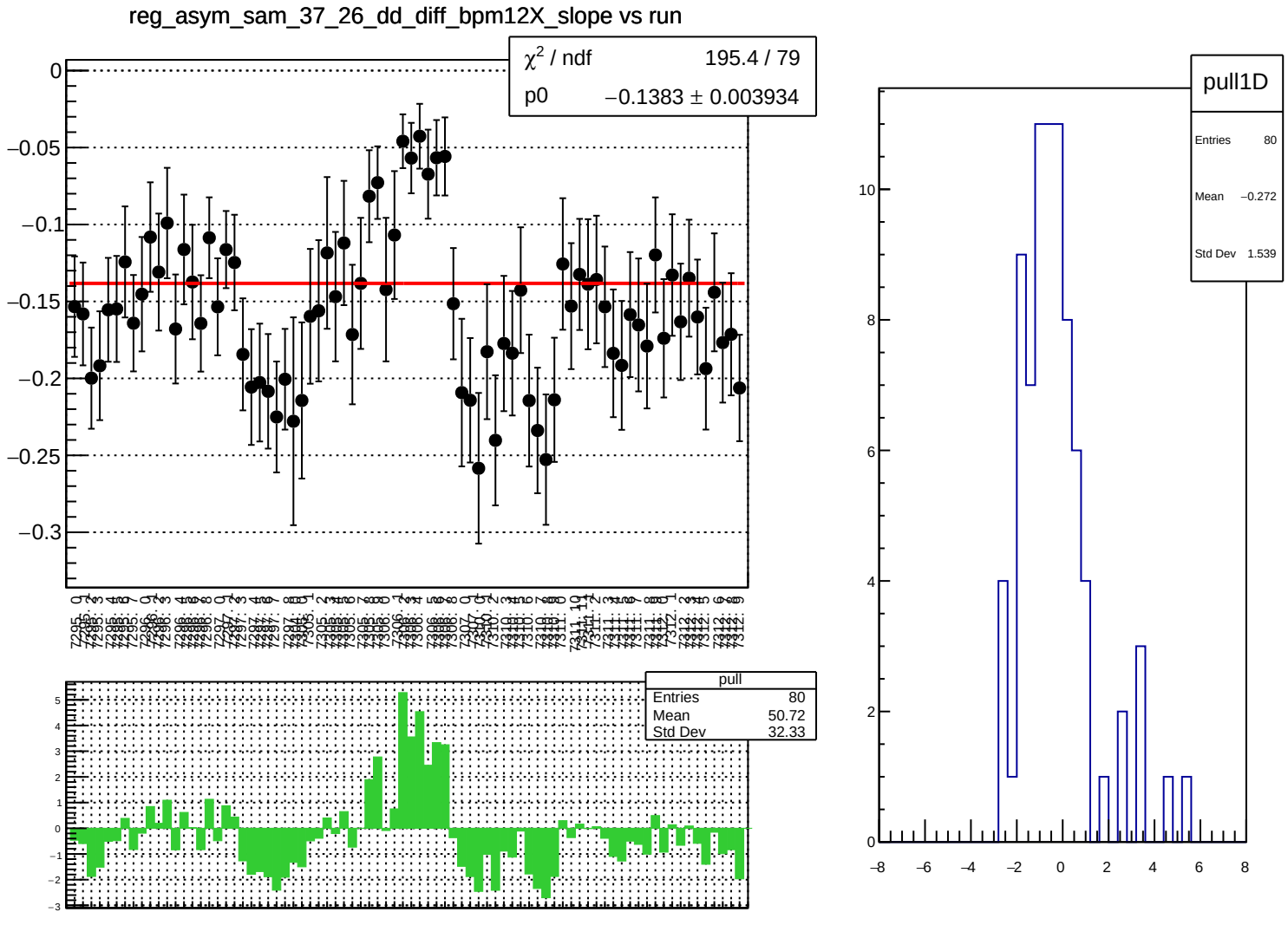

pull1D
Entries 80
Mean −0.1704
Std Dev 3.194

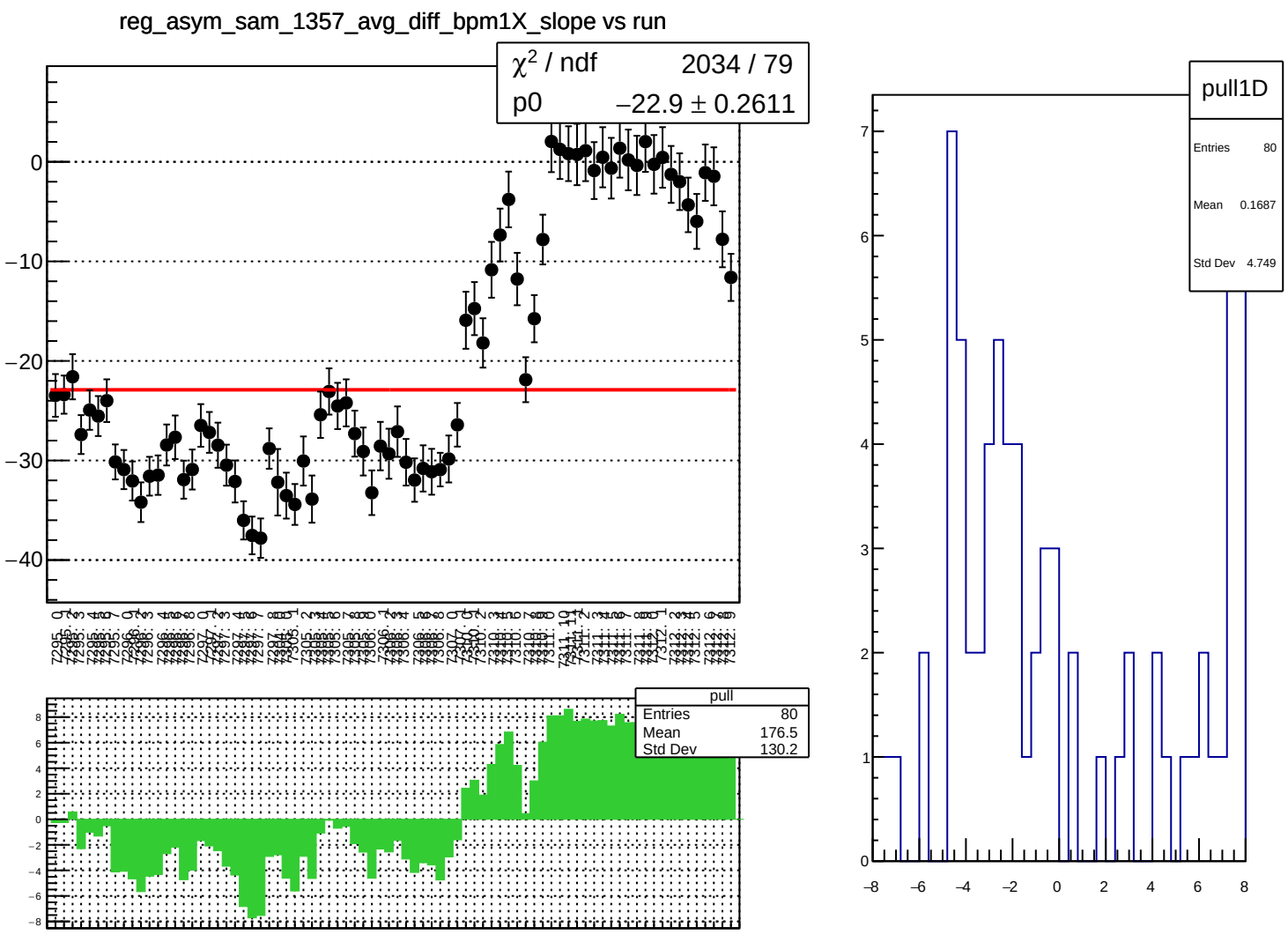

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1650 / 79
p0 −0.2577 ± 0.09127
pull
Entries 80
Mean 147.5
Std Dev 100.4

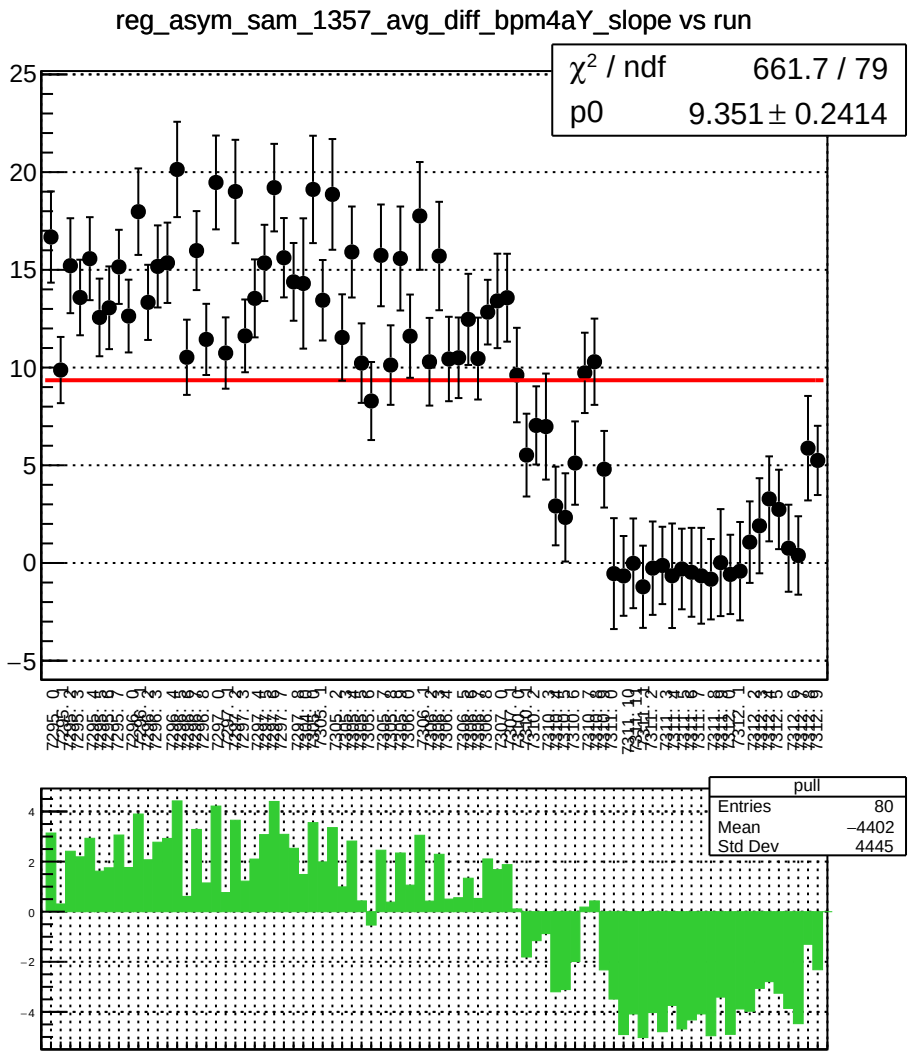

pull1D
Entries 80
Mean −0.7592
Std Dev 4.478

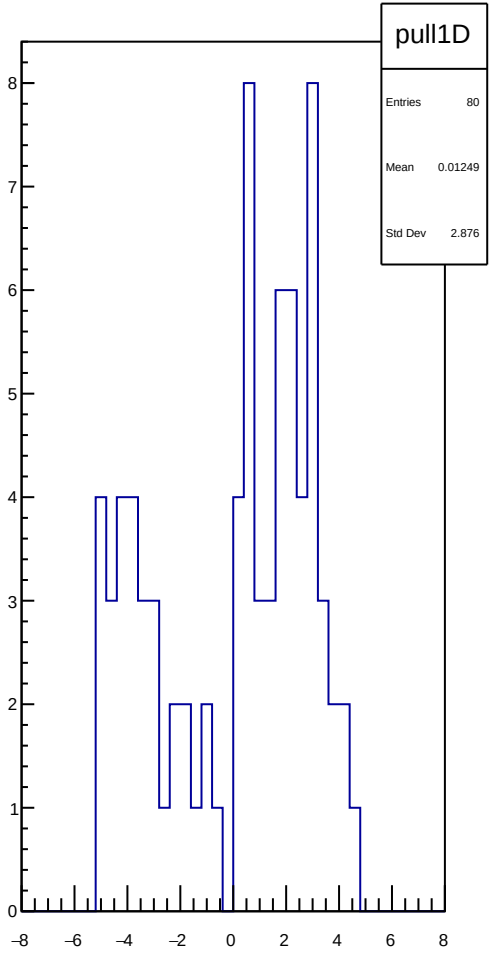

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 755.4 / 79
p0 12.1 ± 0.09253
pull
Entries 80
Mean 248
Std Dev 207.7

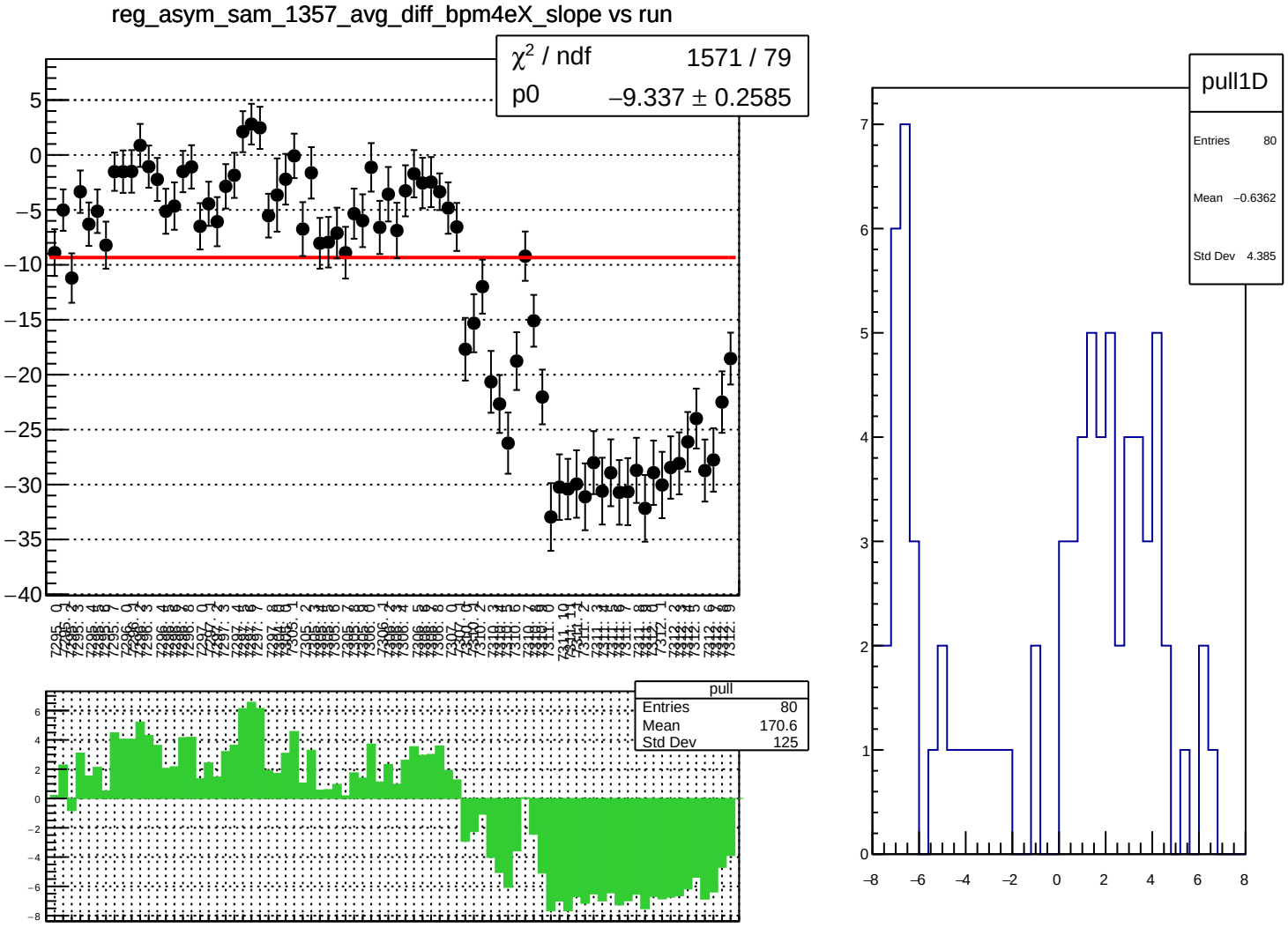

pull1D
Entries 80
Mean 0.2789
Std Dev 3.06

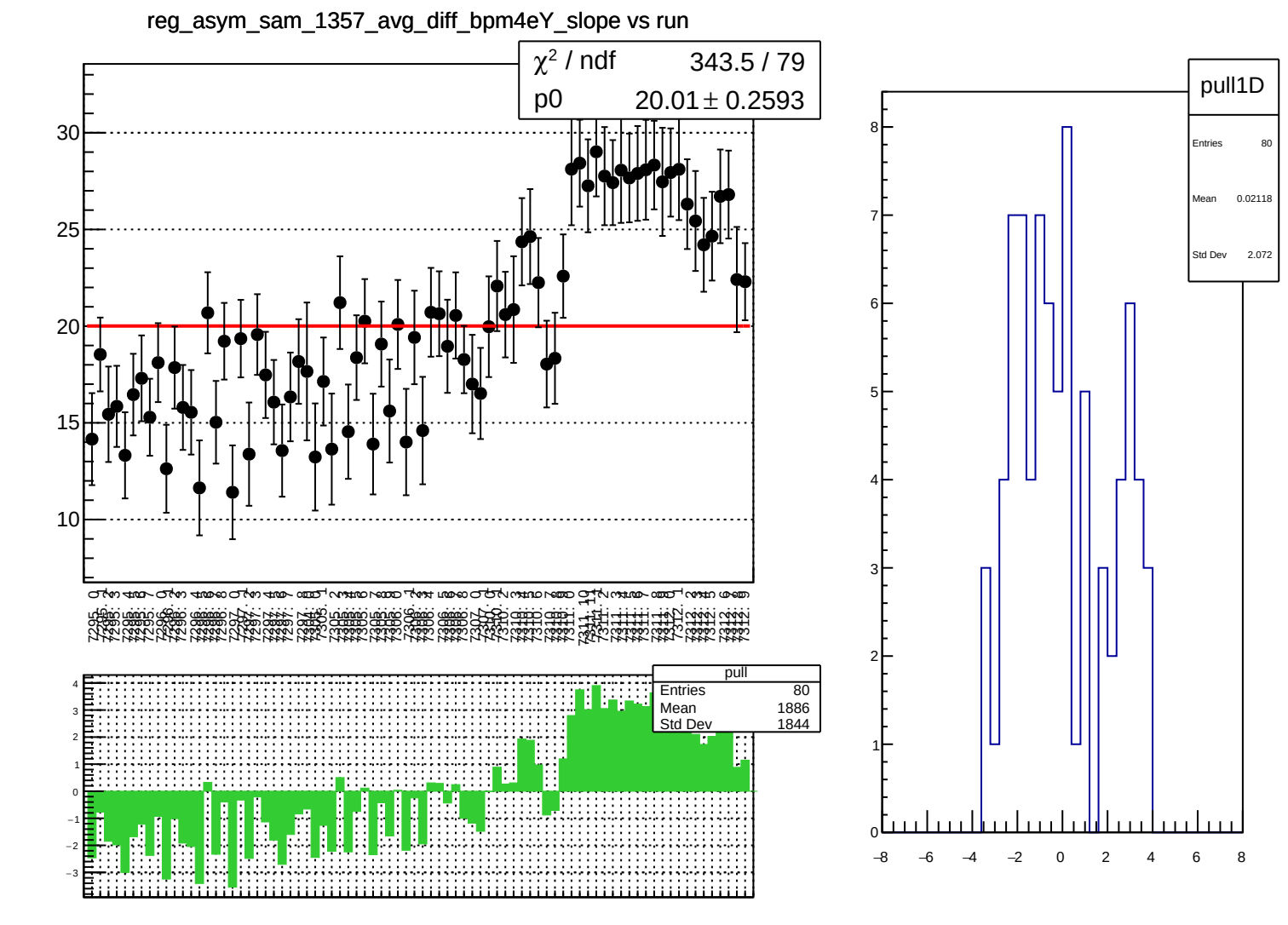

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 195.4 / 79
p0 −0.1383 ± 0.003934
pull
Entries 80
Mean 50.72
Std Dev 32.33
pull1D
Entries 80
Mean −0.272
Std Dev 1.539

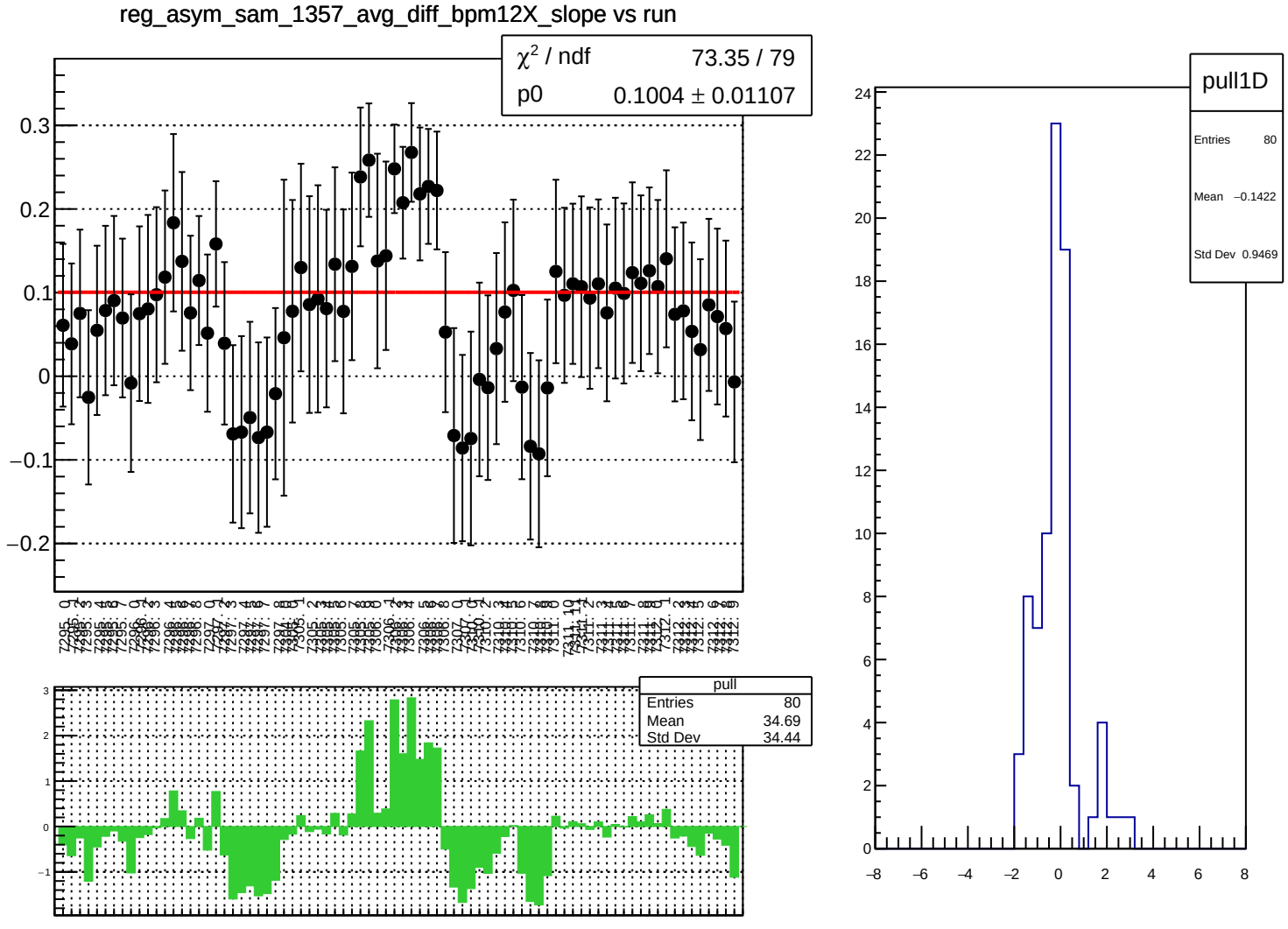

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 2034 / 79
p0 −22.9 ± 0.2611
pull
Entries 80
Mean 176.5
Std Dev 130.2
pull1D
Entries 80
Mean 0.1687
Std Dev 4.749

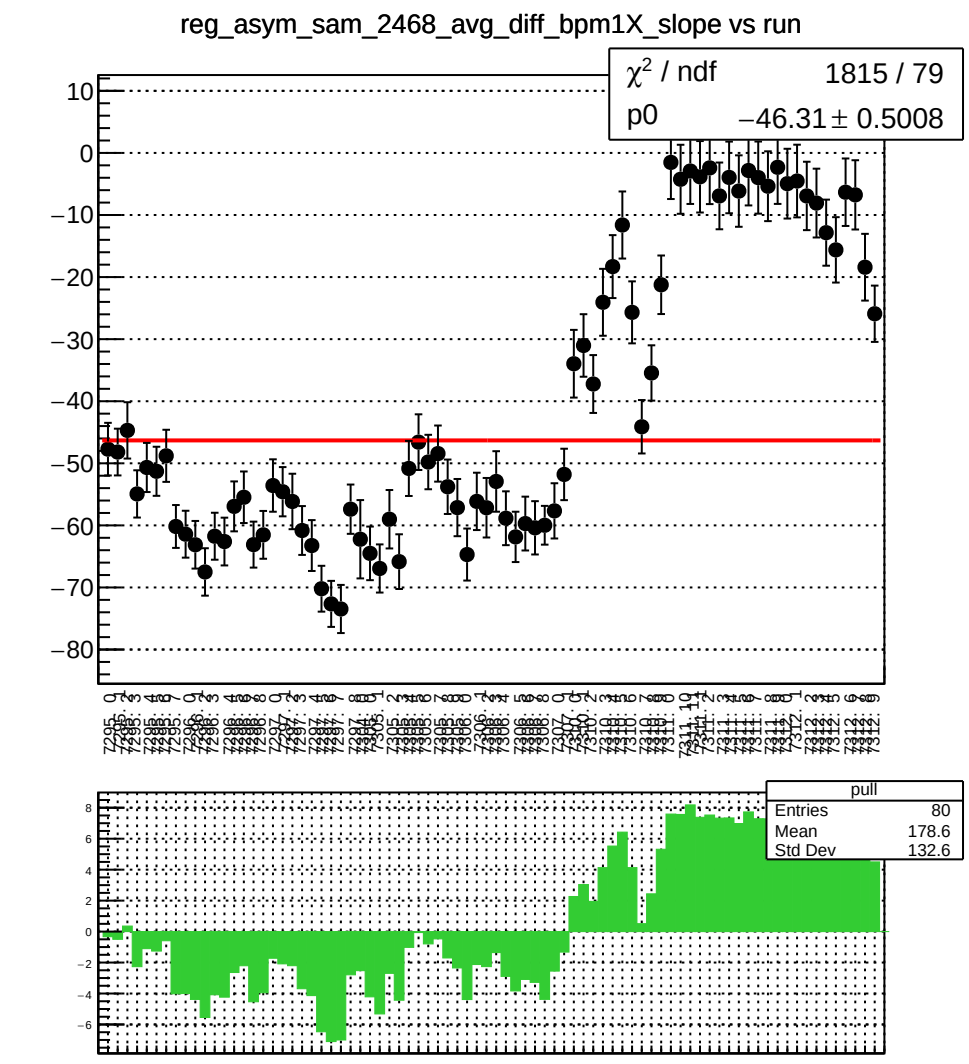

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 661.7 / 79
p0 9.351 ± 0.2414
pull
Entries 80
Mean −4402
Std Dev 4445

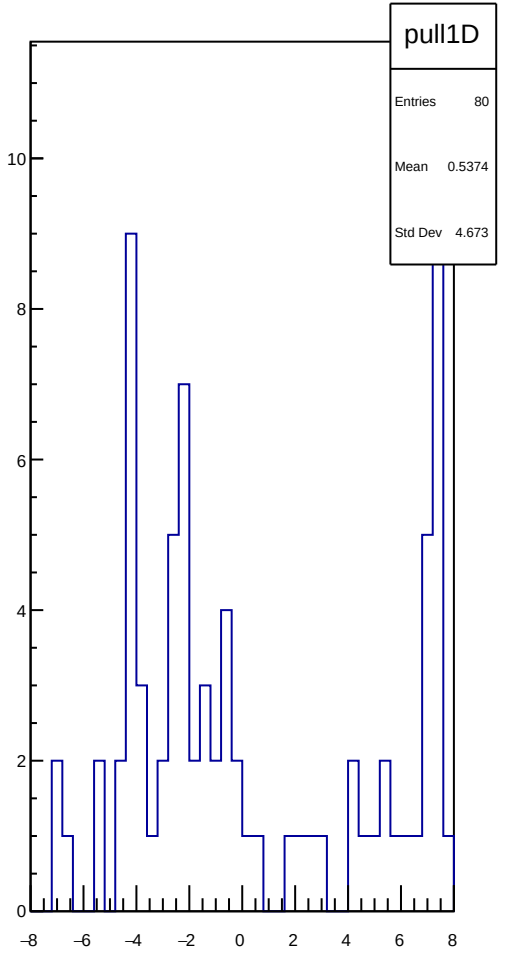

pull1D
Entries 80
Mean 0.01249
Std Dev 2.876

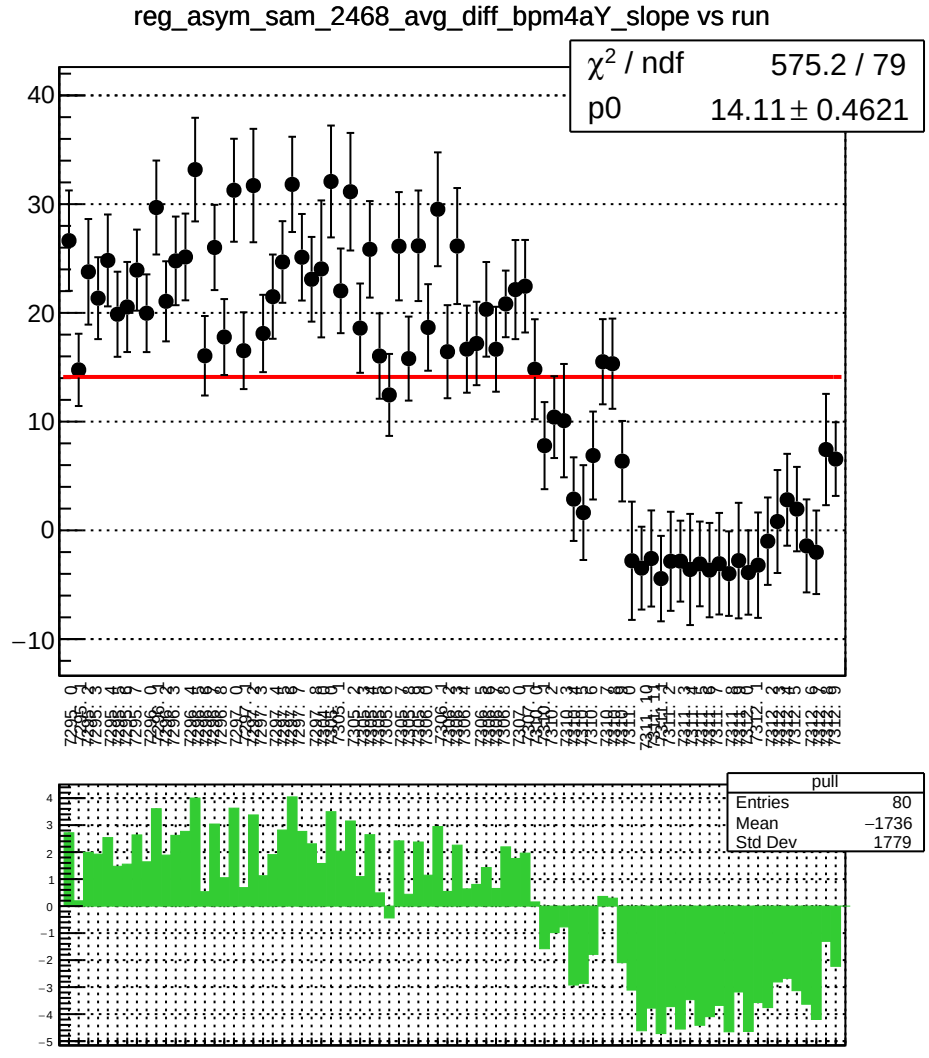

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1571 / 79
p0 −9.337 ± 0.2585
pull
Entries 80
Mean 170.6
Std Dev 125
pull1D
Entries 80
Mean −0.6362
Std Dev 4.385

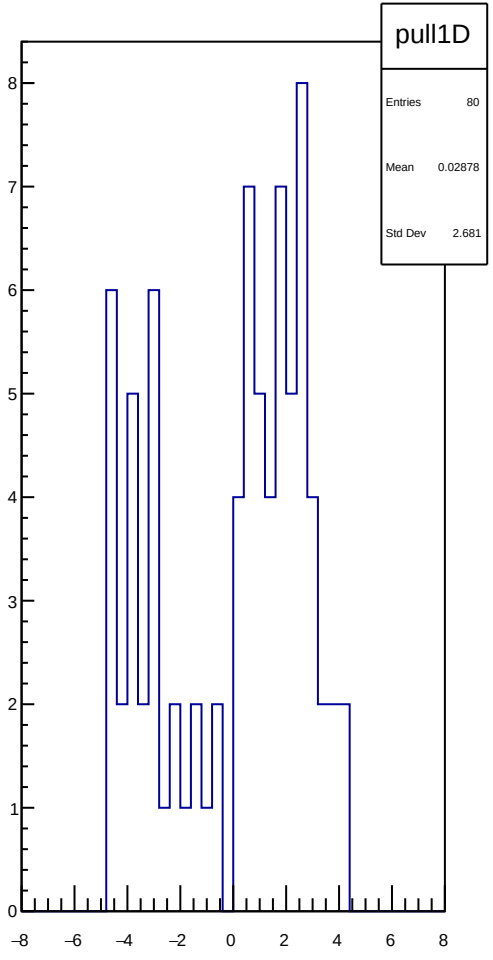

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 343.5 / 79
p0 20.01 ± 0.2593
pull
Entries 80
Mean 1886
Std Dev 1844
pull1D
Entries 80
Mean 0.02118
Std Dev 2.072

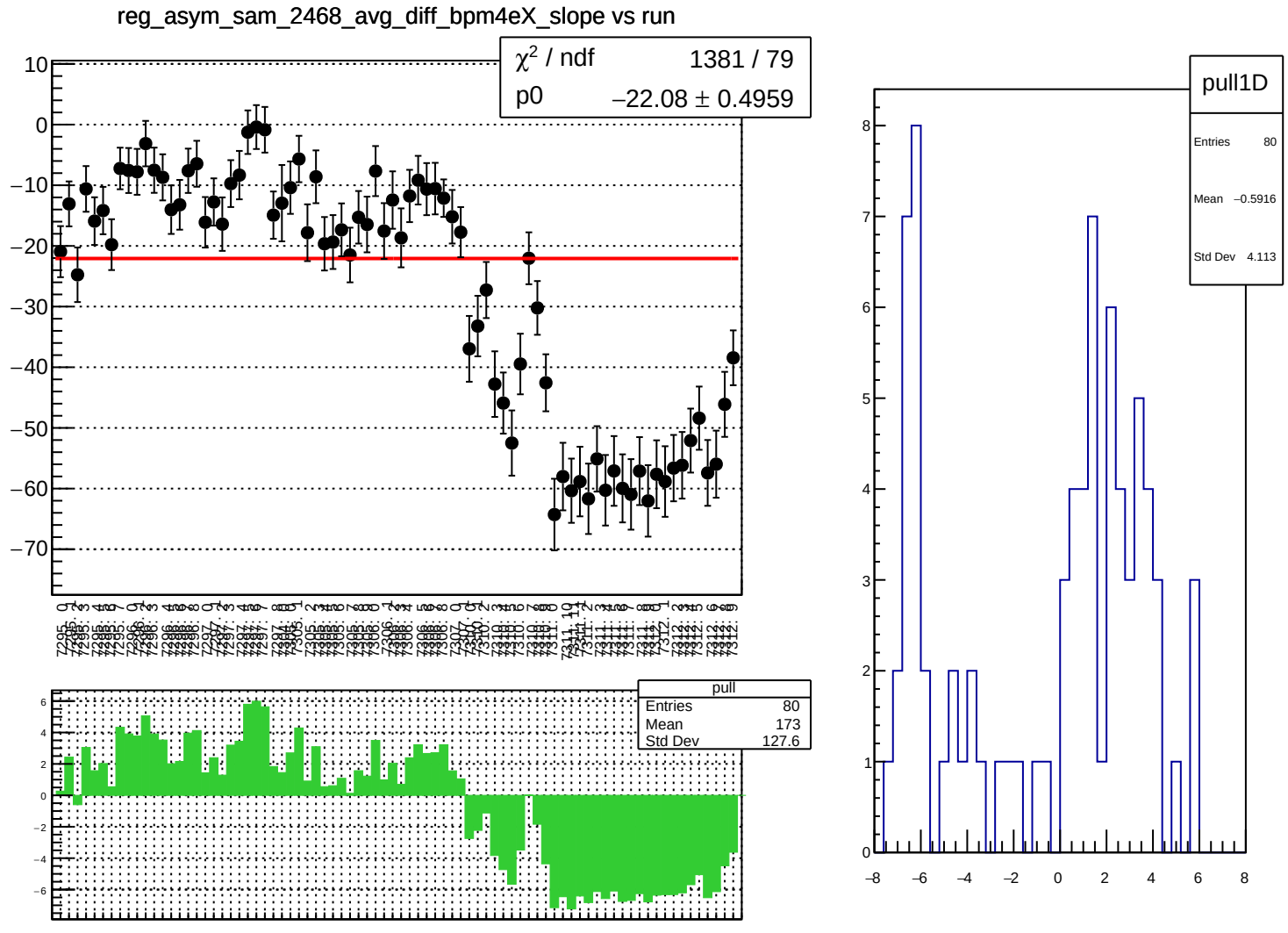

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 73.35 / 79
p0 0.1004 ± 0.01107
pull
Entries 80
Mean 34.69
Std Dev 34.44
pull1D
Entries 80
Mean −0.1422
Std Dev 0.9469

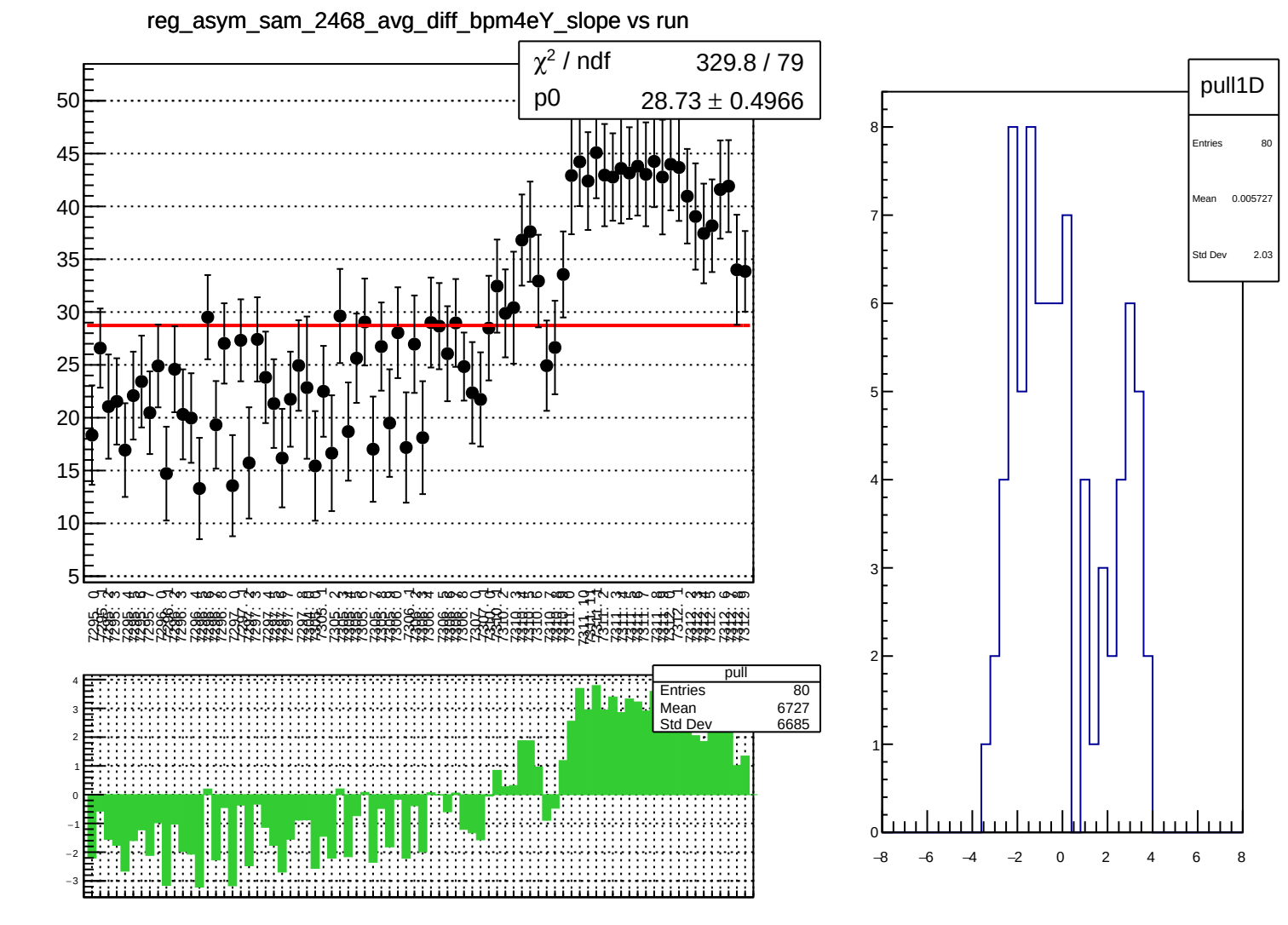

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1815 / 79
p0 −46.31 ± 0.5008
pull
Entries 80
Mean 178.6
Std Dev 132.6

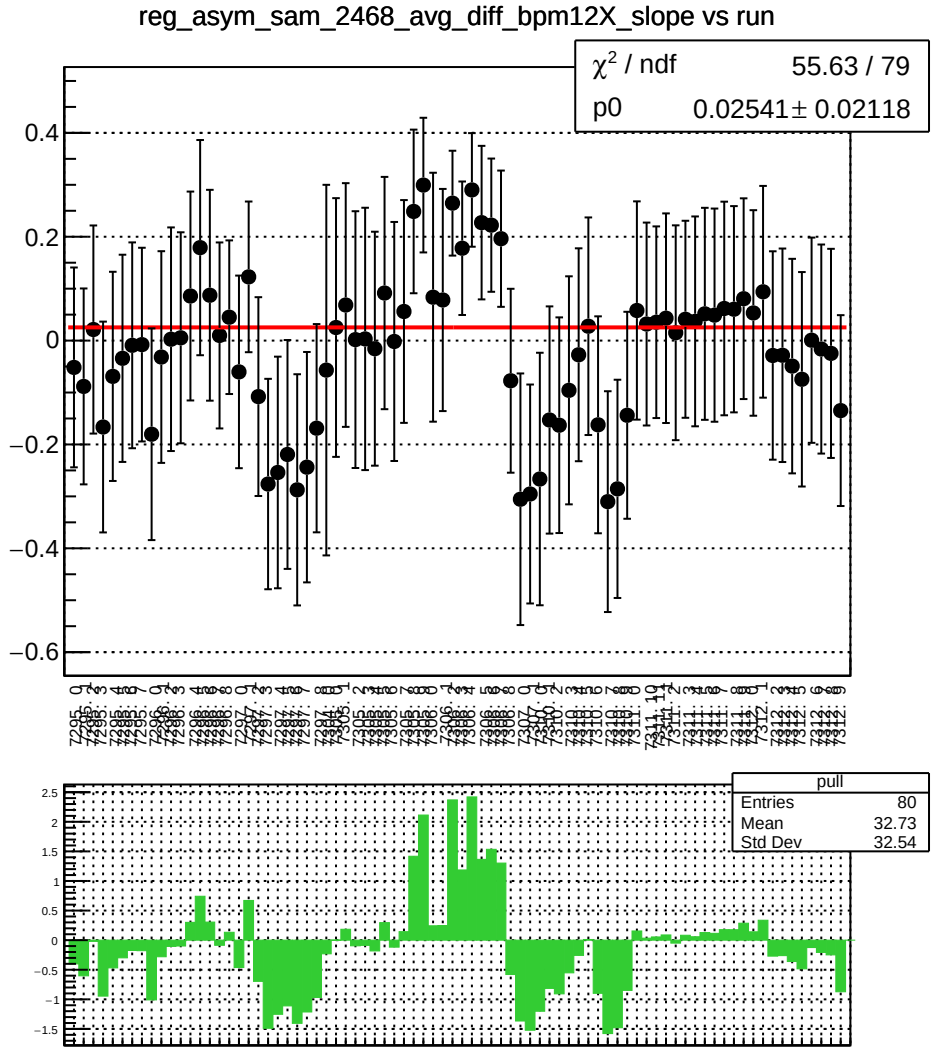

pull1D
Entries 80
Mean 0.5374
Std Dev 4.673

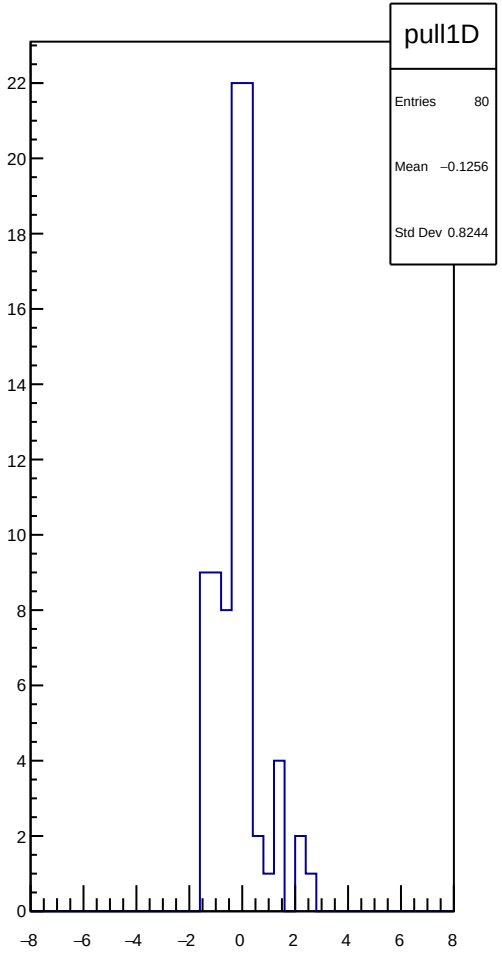

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 575.2 / 79
p0 14.11 ± 0.4621
pull
Entries 80
Mean −1736
Std Dev 1779

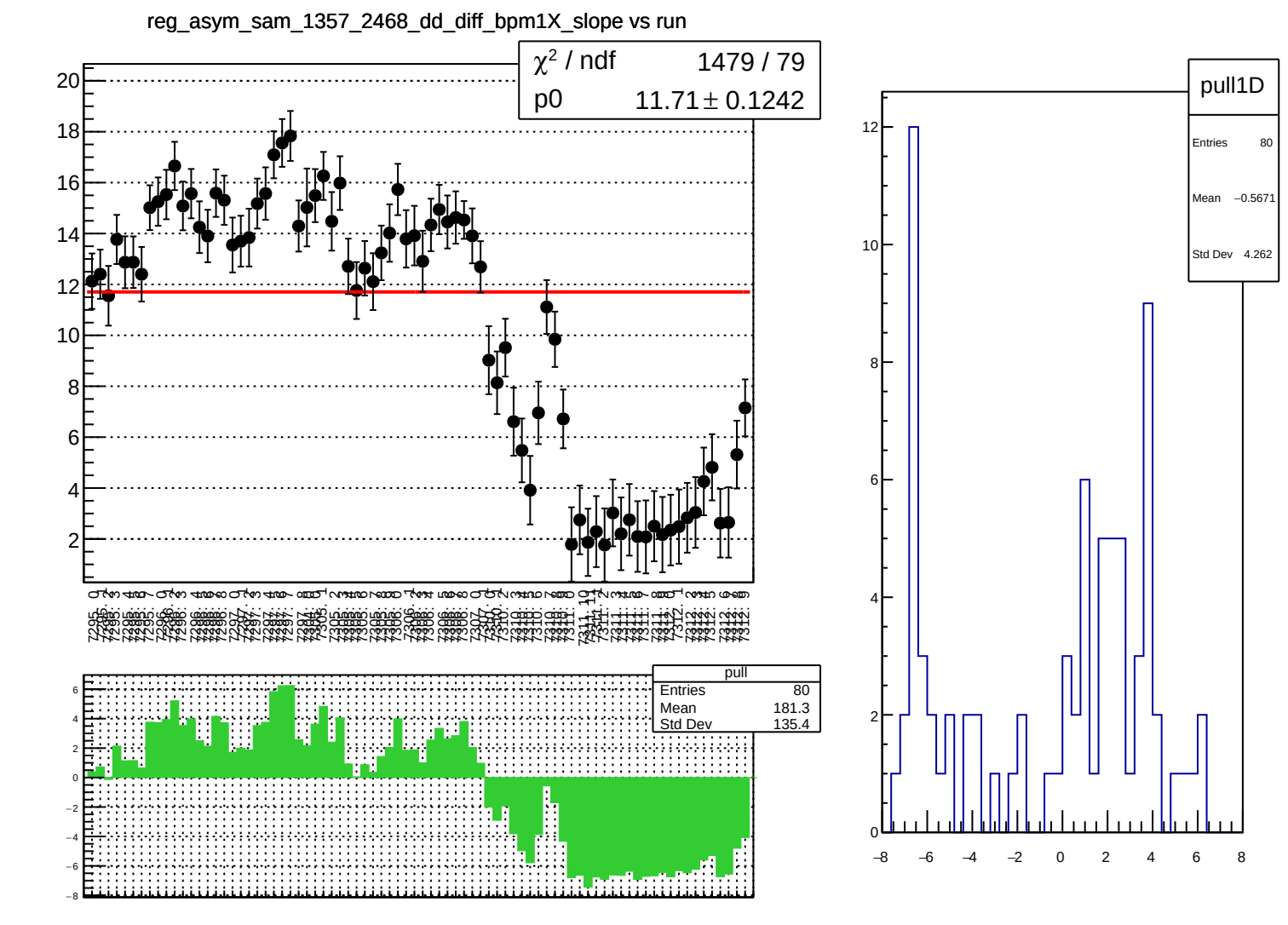

pull1D
Entries 80
Mean 0.02878
Std Dev 2.681

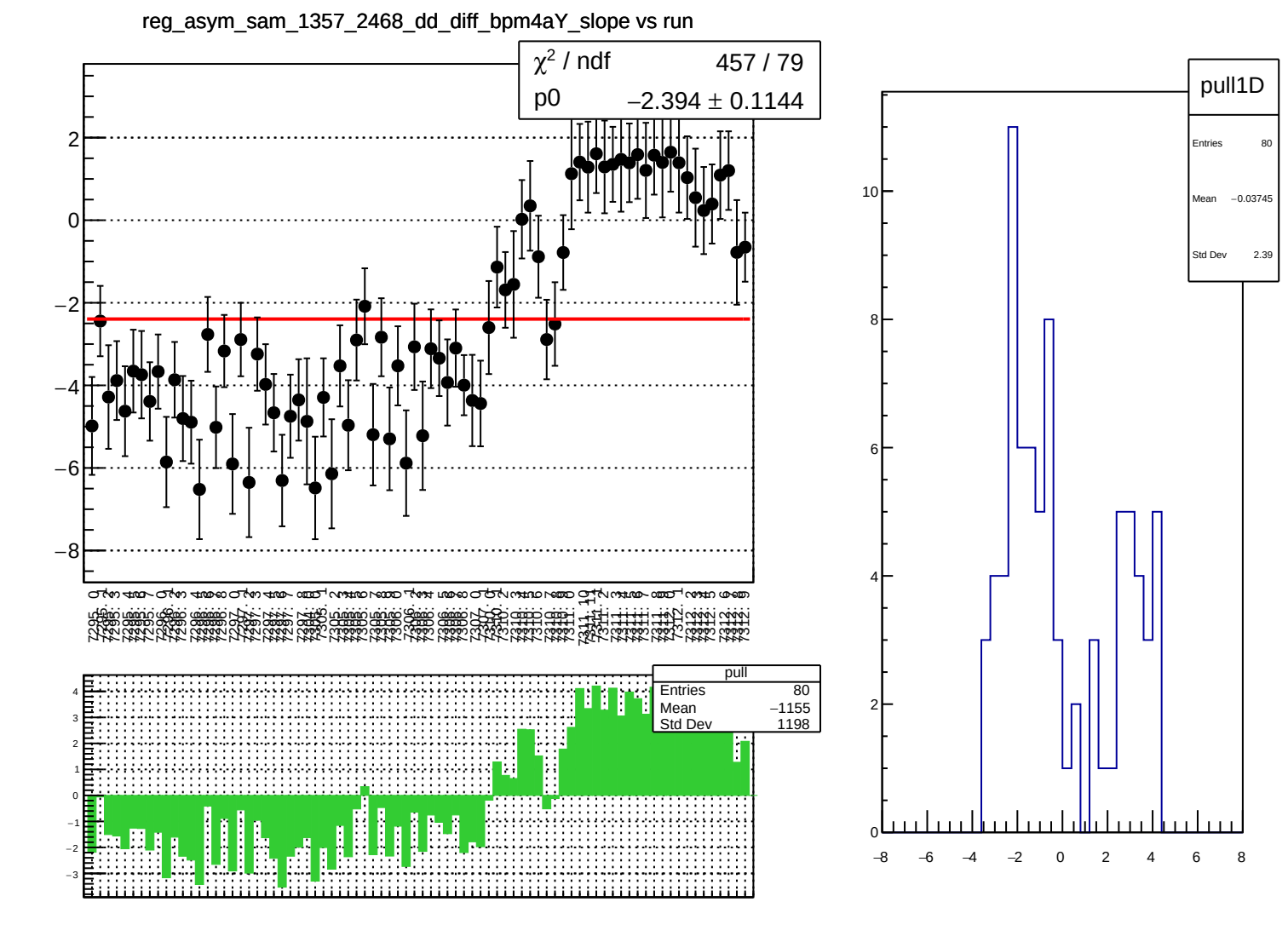

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1381 / 79
p0 −22.08 ± 0.4959
pull
Entries 80
Mean 173
Std Dev 127.6
pull1D
Entries 80
Mean −0.5916
Std Dev 4.113

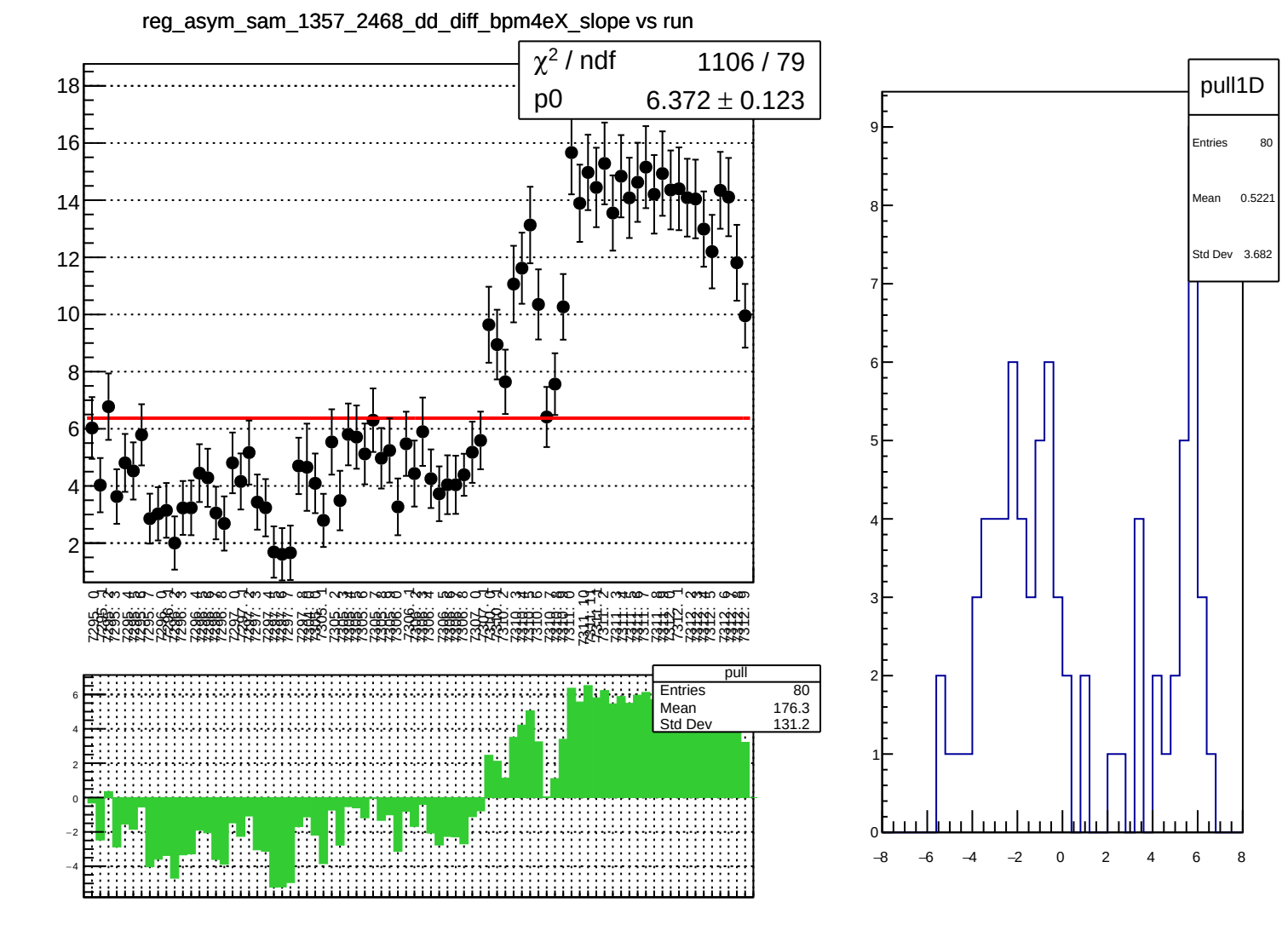

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 329.8 / 79
p0 28.73 ± 0.4966
pull
Entries 80
Mean 6727
Std Dev 6685
pull1D
Entries 80
Mean 0.005727
Std Dev 2.03

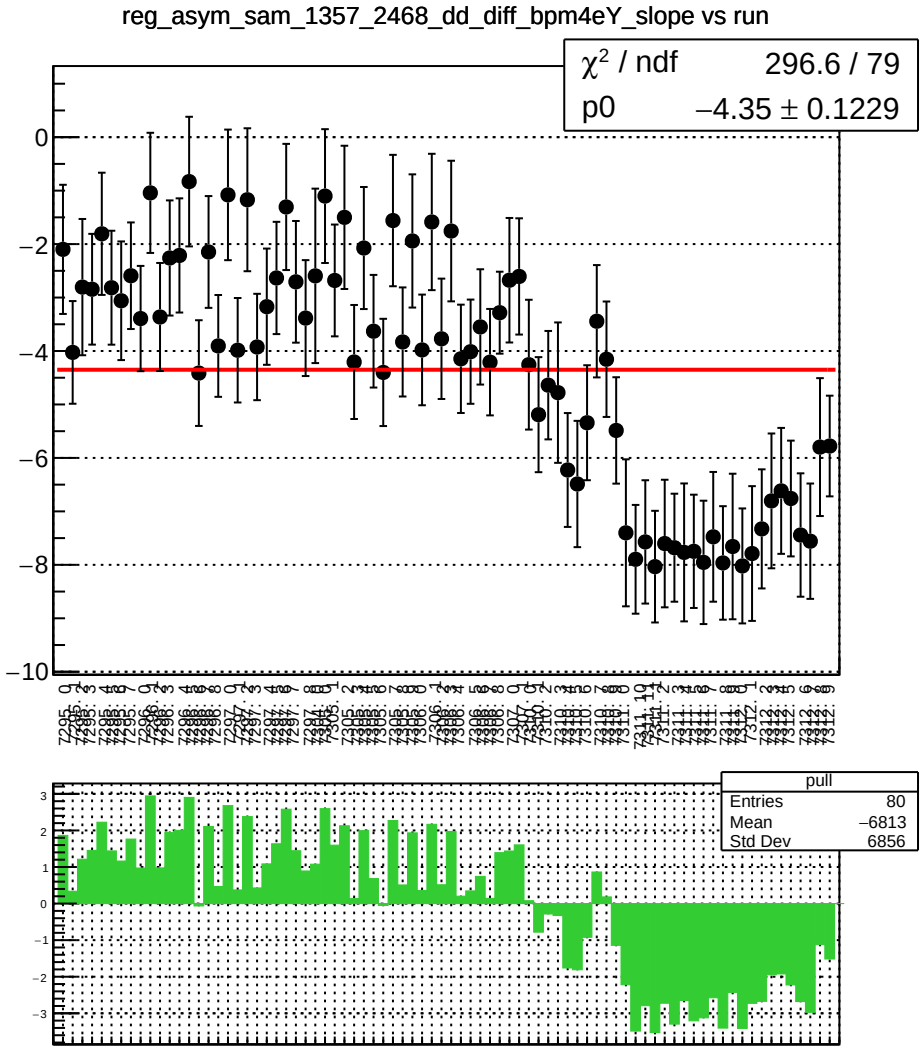

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 55.63 / 79
p0 0.02541 ± 0.02118
pull
Entries 80
Mean 32.73
Std Dev 32.54

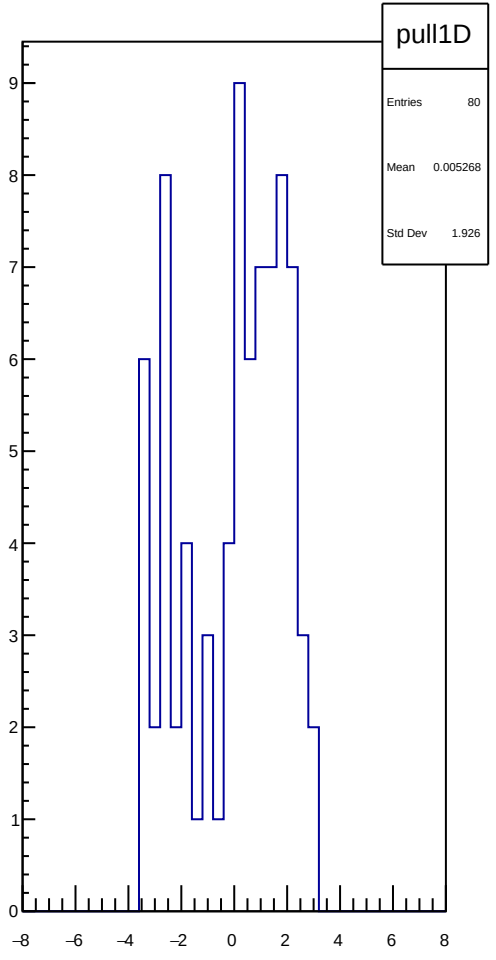

pull1D
Entries 80
Mean −0.1256
Std Dev 0.8244

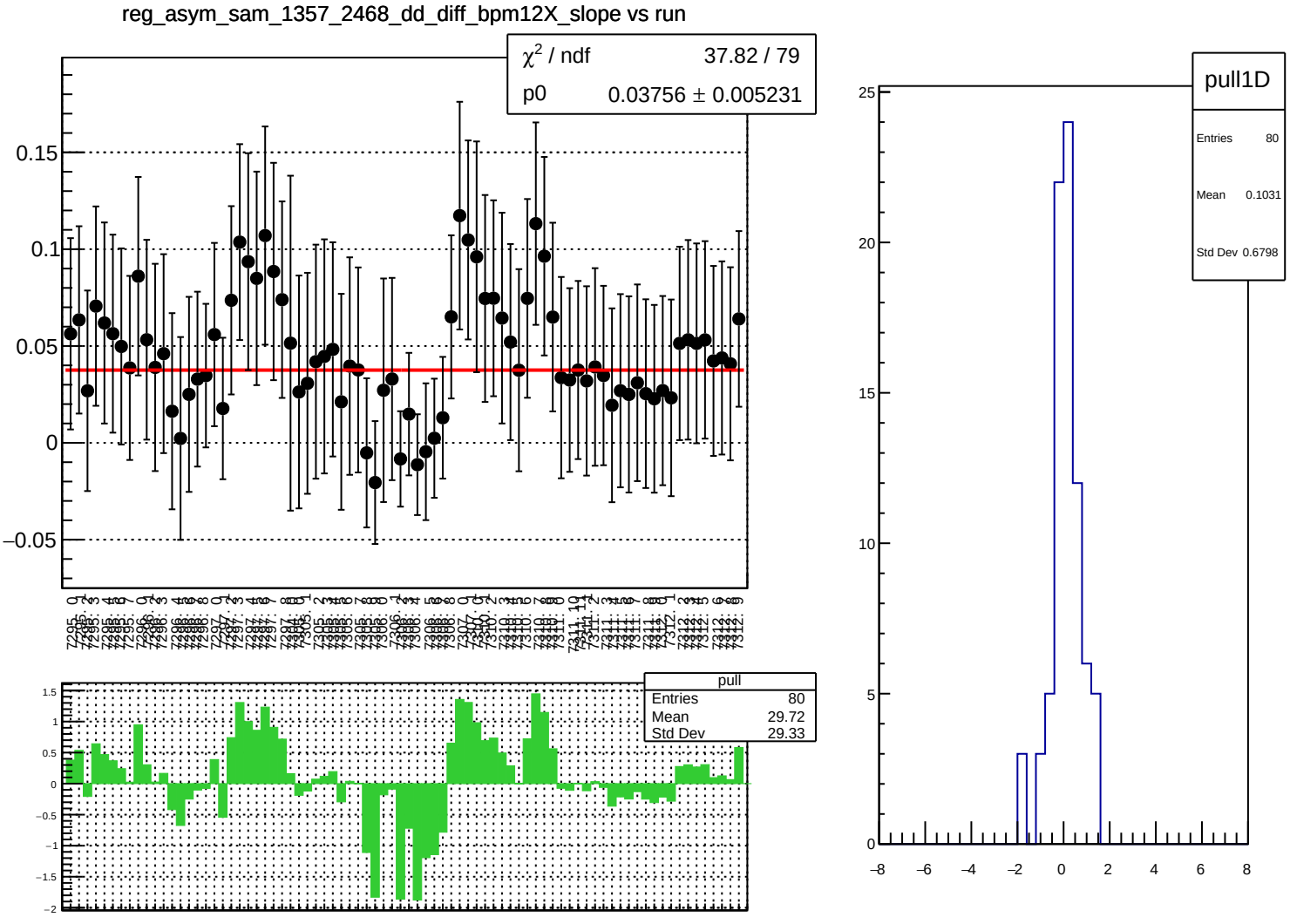

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1479 / 79
p0 11.71 ± 0.1242
pull
Entries 80
Mean 181.3
Std Dev 135.4
pull1D
Entries 80
Mean −0.5671
Std Dev 4.262

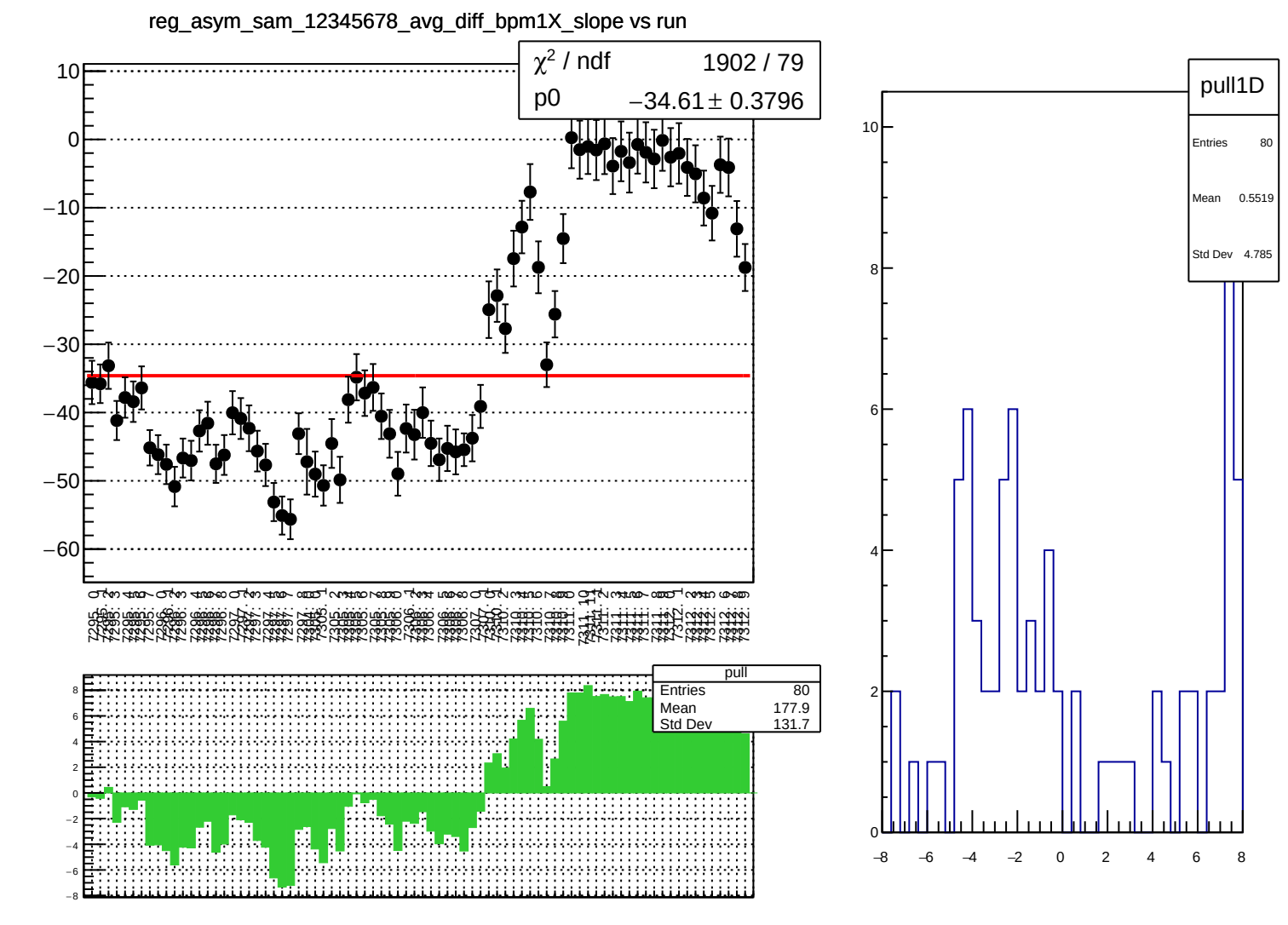

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 457 / 79
p0 −2.394 ± 0.1144
pull
Entries 80
Mean −1155
Std Dev 1198
pull1D
Entries 80
Mean −0.03745
Std Dev 2.39

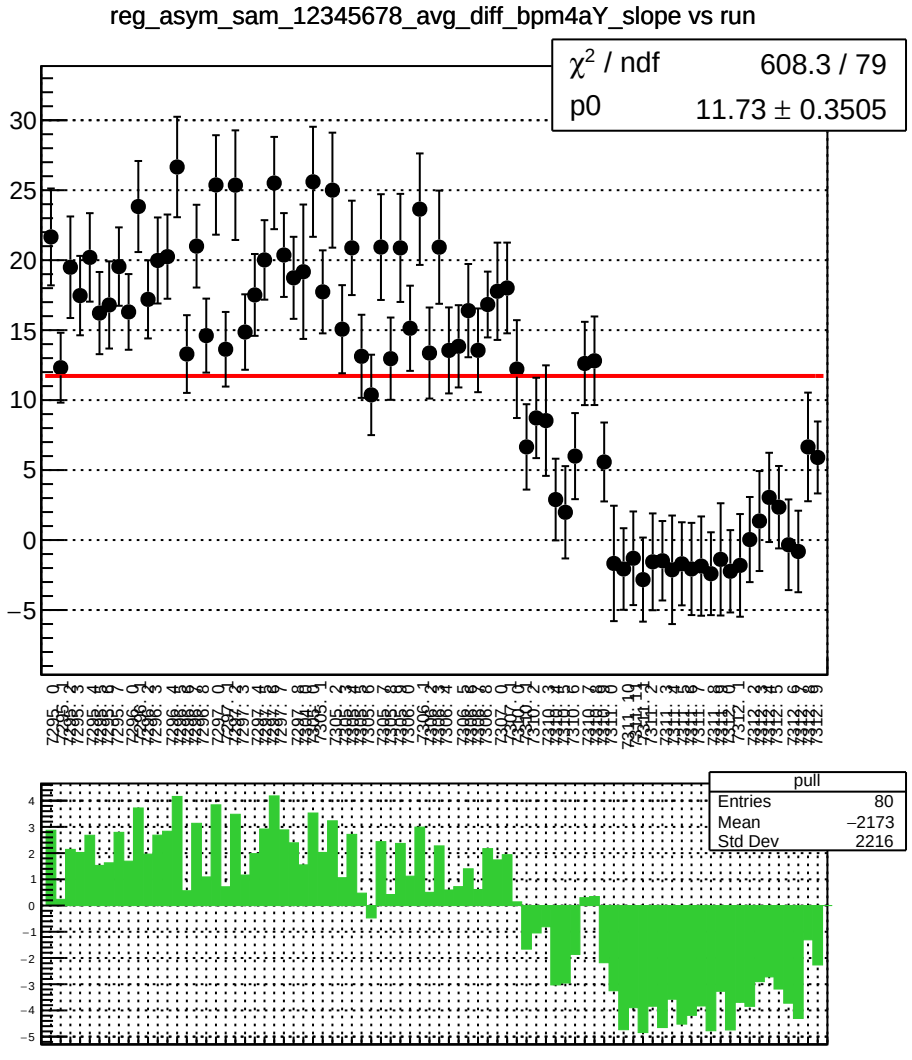

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1106 / 79
p0 6.372 ± 0.123
pull
Entries 80
Mean 176.3
Std Dev 131.2
pull1D
Entries 80
Mean 0.5221
Std Dev 3.682

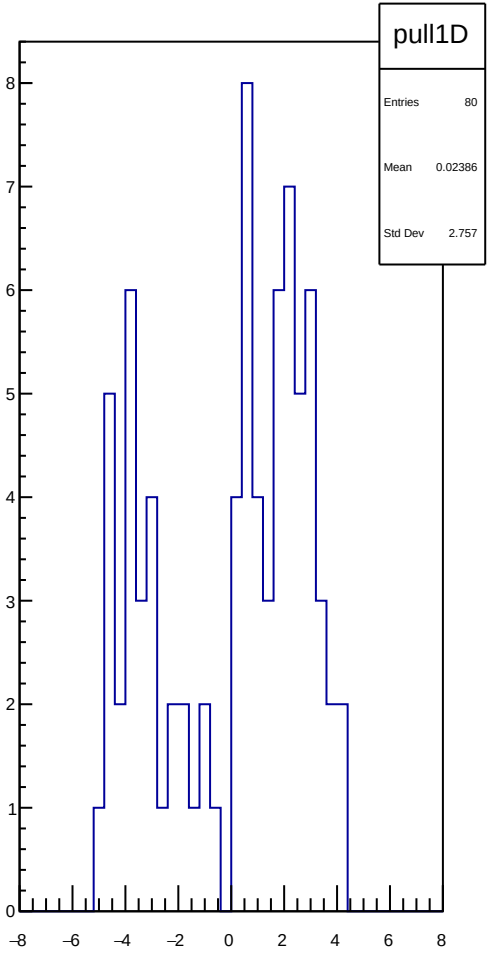

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 296.6 / 79
p0 −4.35 ± 0.1229
pull
Entries 80
Mean −6813
Std Dev 6856

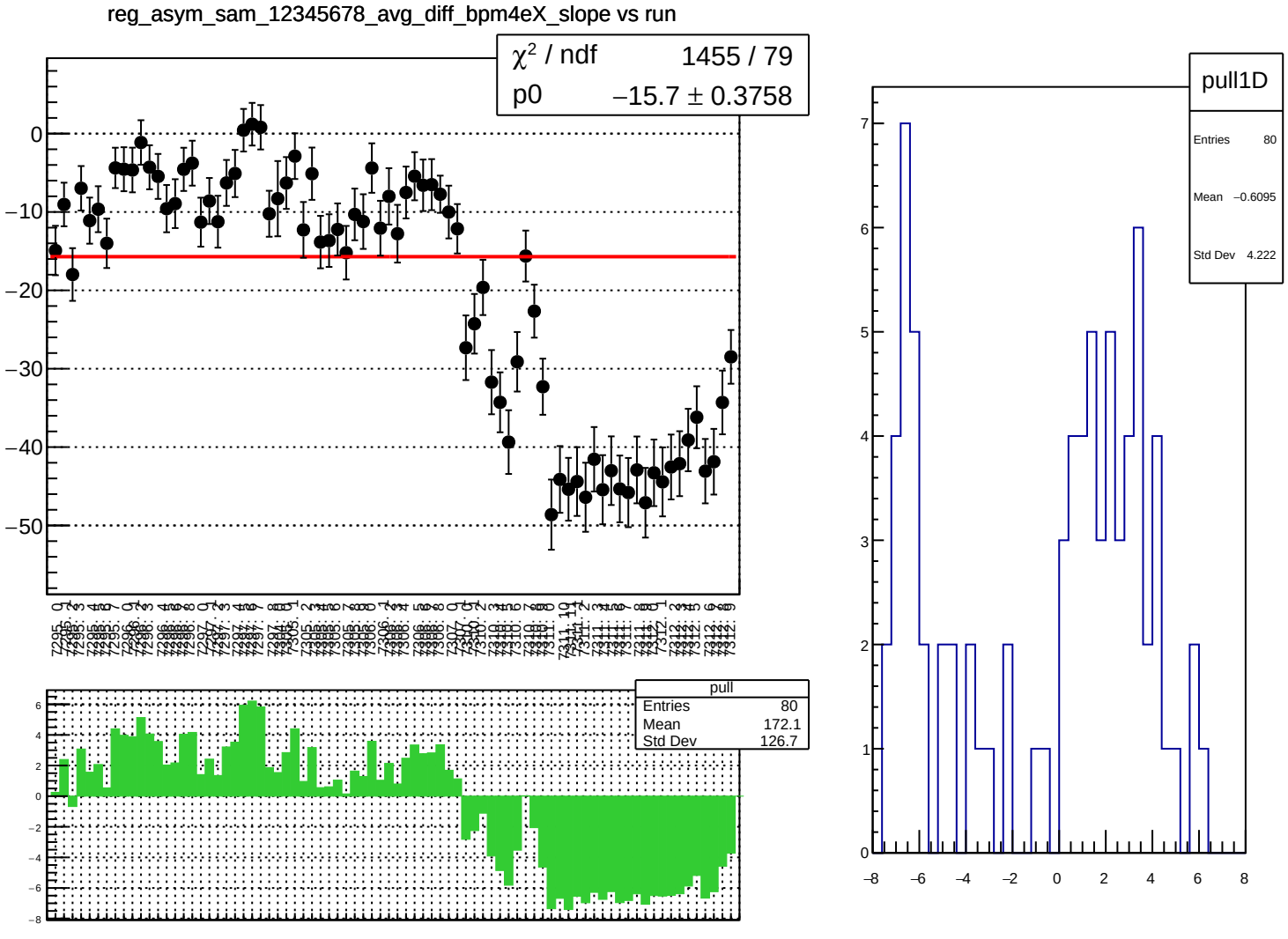

pull1D
Entries 80
Mean 0.005268
Std Dev 1.926

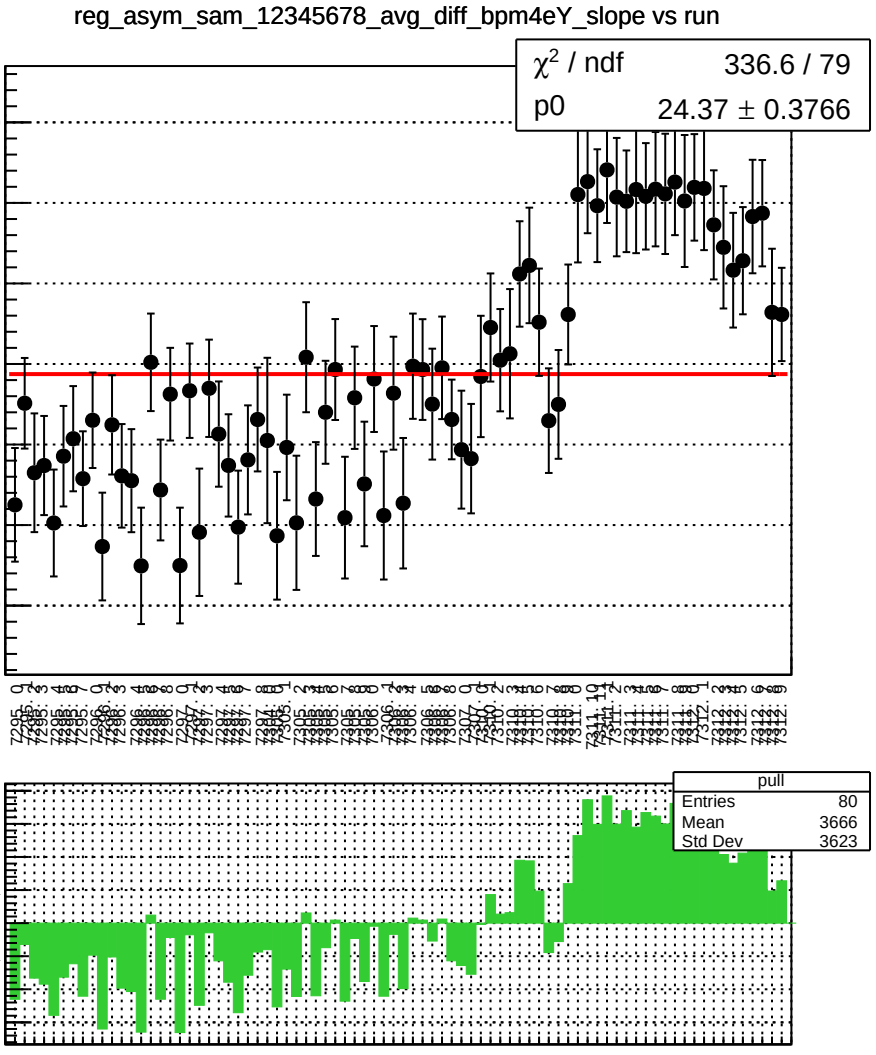

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 37.82 / 79
p0 0.03756 ± 0.005231
0.15
0.1
0.05
0
−0.05
pull
Entries 80
Mean 29.72
Std Dev 29.33
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.1031
Std Dev 0.6798
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

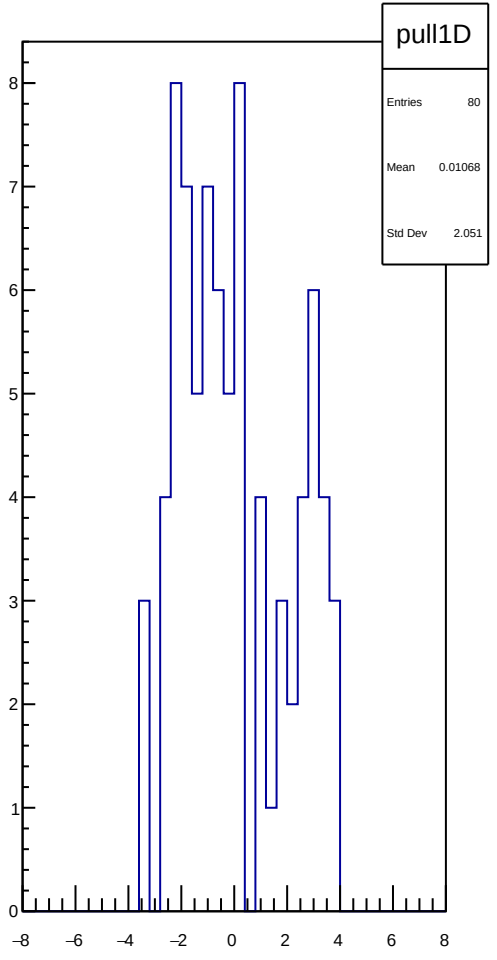

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1902 / 79
p0 −34.61 ± 0.3796
pull
Entries 80
Mean 177.9
Std Dev 131.7
pull1D
Entries 80
Mean 0.5519
Std Dev 4.785

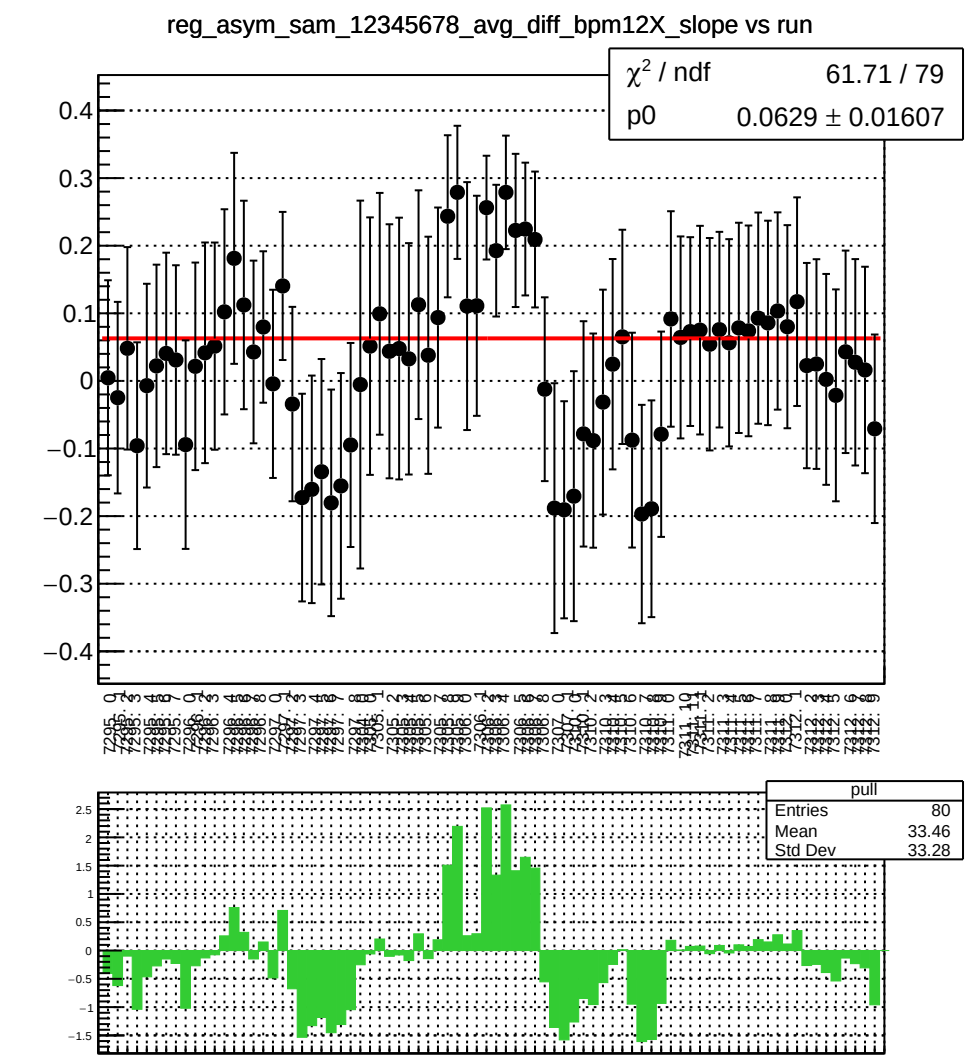

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 608.3 / 79
p0 11.73 ± 0.3505
pull
Entries 80
Mean −2173
Std Dev 2216

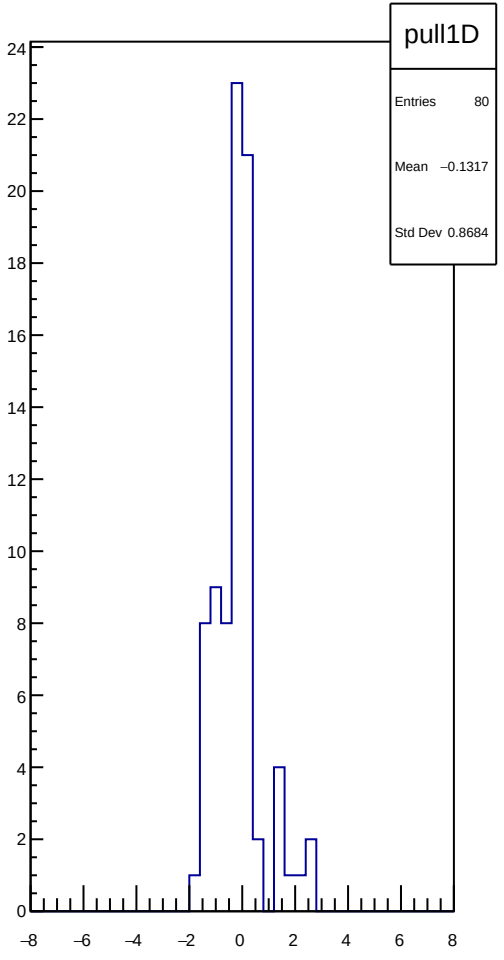

pull1D
Entries 80
Mean 0.02386
Std Dev 2.757

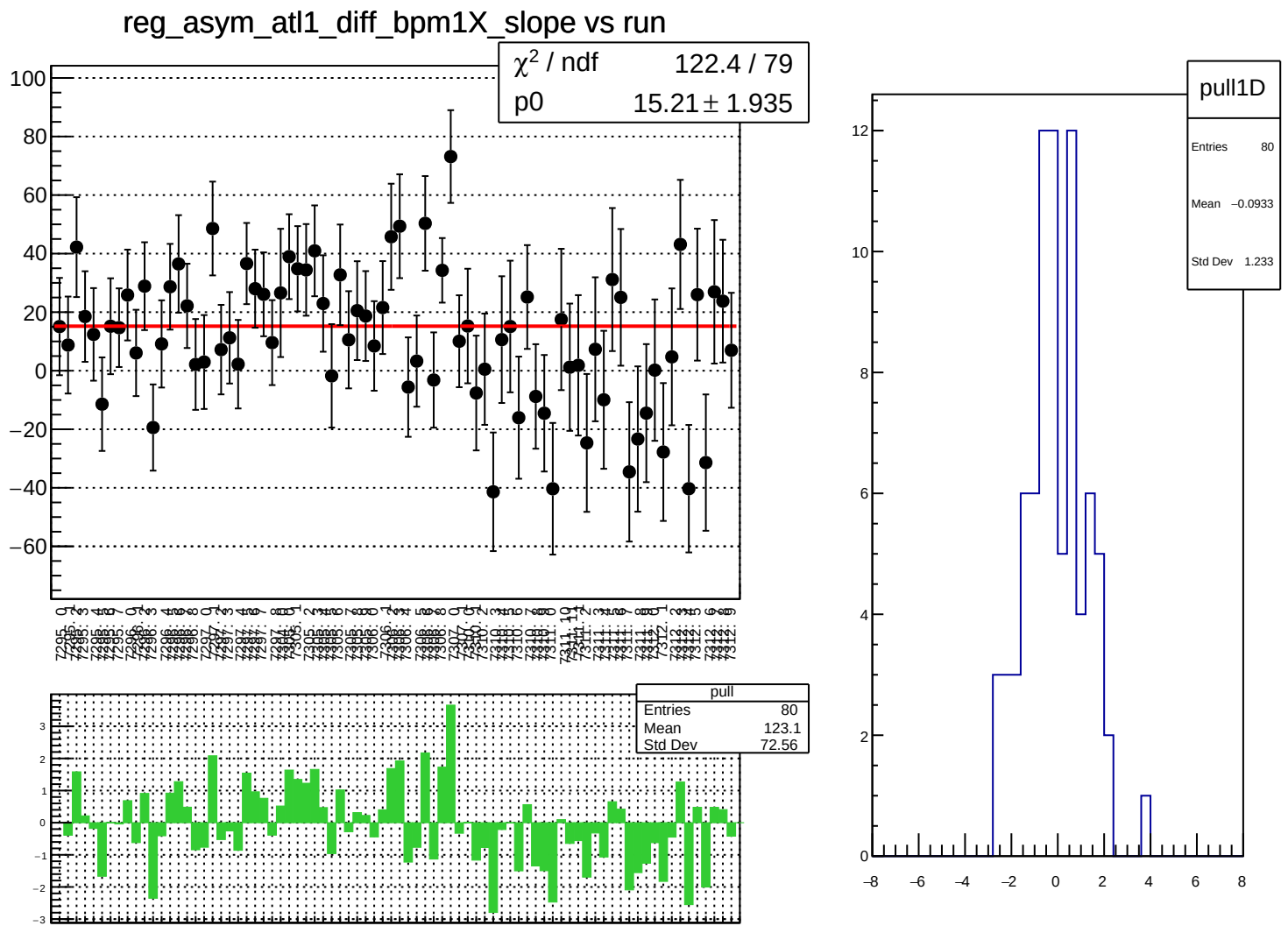

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1455 / 79
p0 −15.7 ± 0.3758
pull
Entries 80
Mean 172.1
Std Dev 126.7
pull1D
Entries 80
Mean −0.6095
Std Dev 4.222

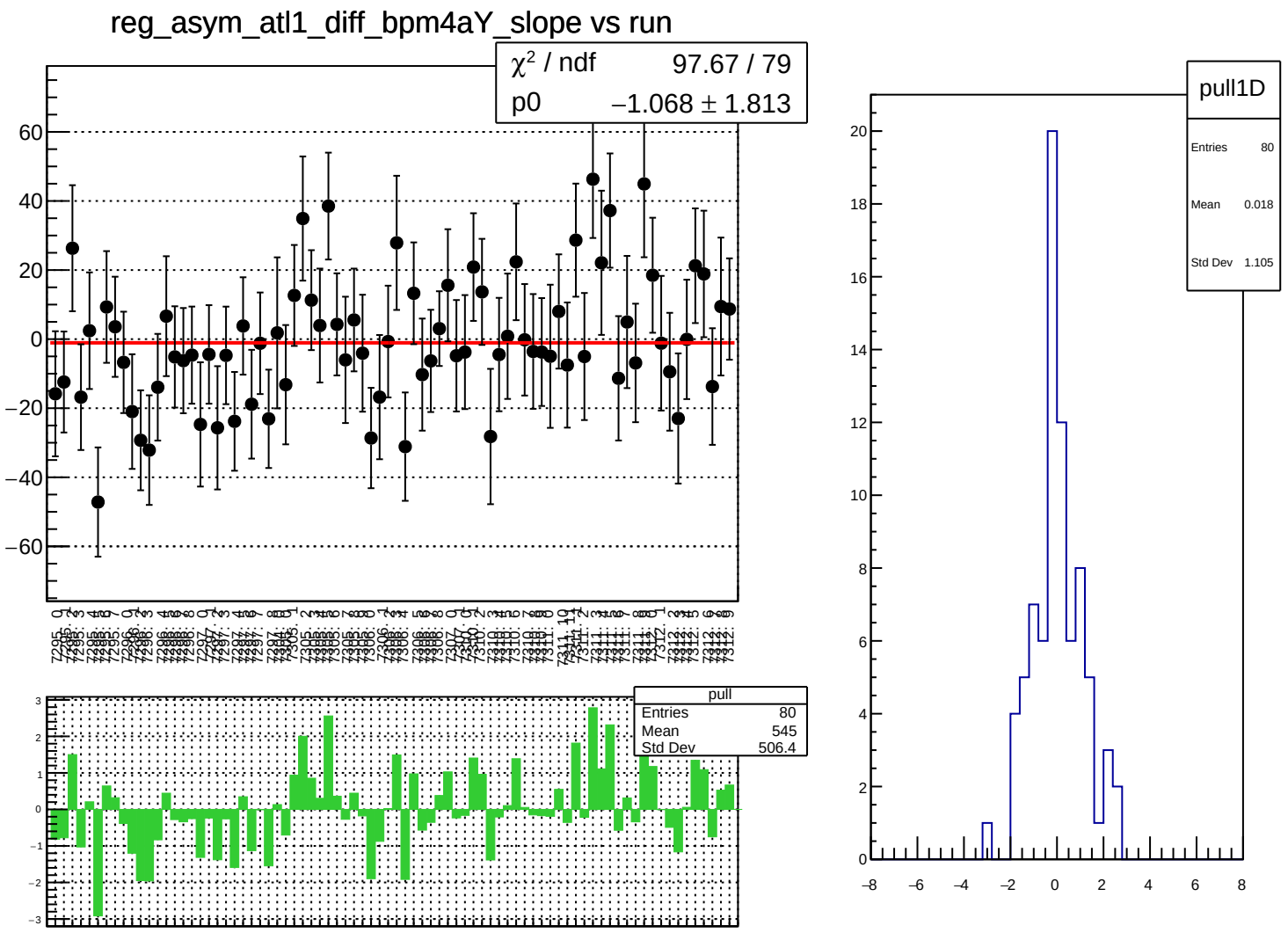

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 336.6 / 79
p0 24.37 ± 0.3766
pull
Entries 80
Mean 3666
Std Dev 3623

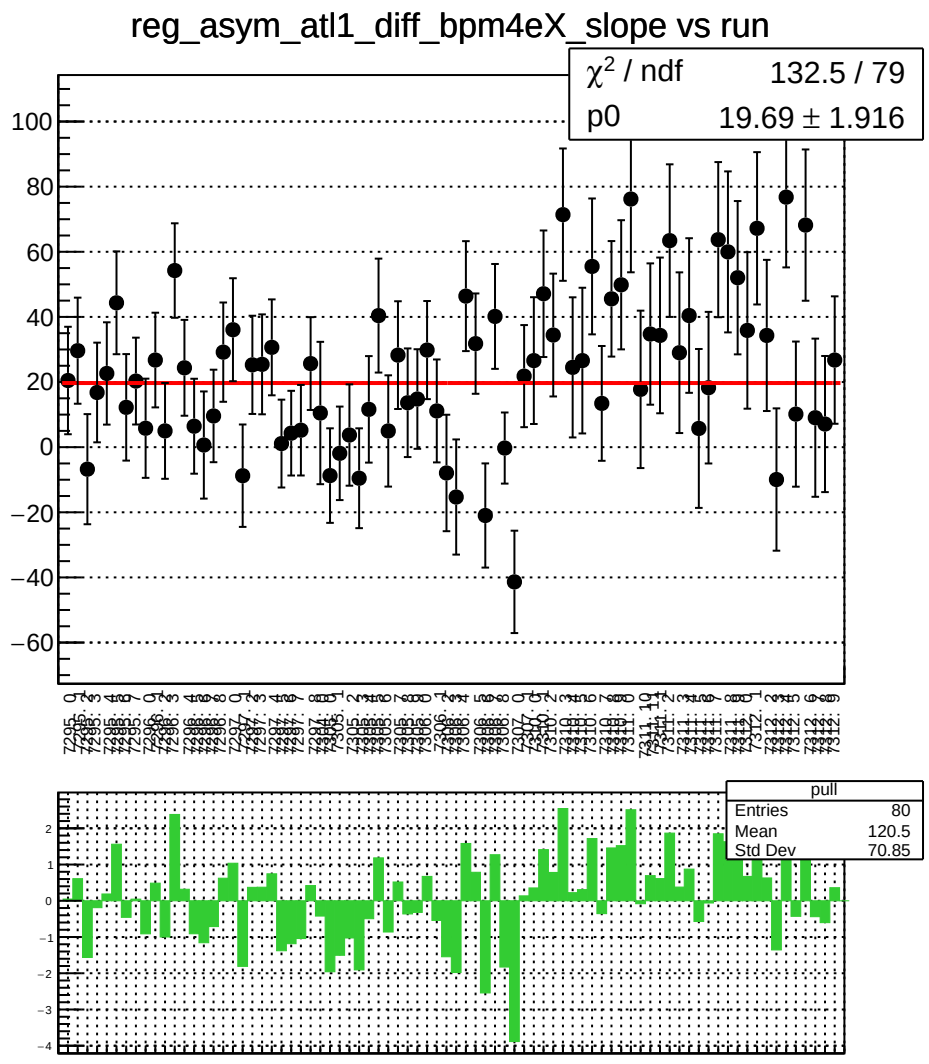

pull1D
Entries 80
Mean 0.01068
Std Dev 2.051

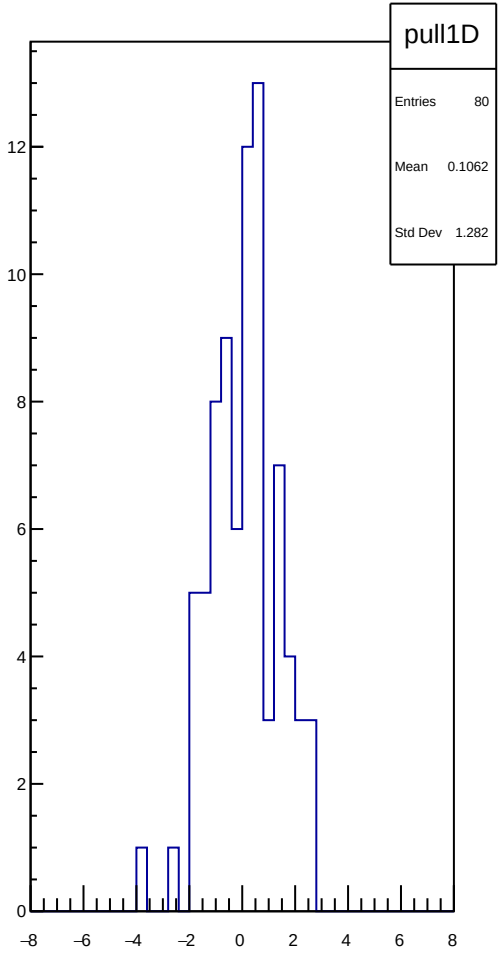

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 61.71 / 79
p0 0.0629 ± 0.01607
pull
Entries 80
Mean 33.46
Std Dev 33.28

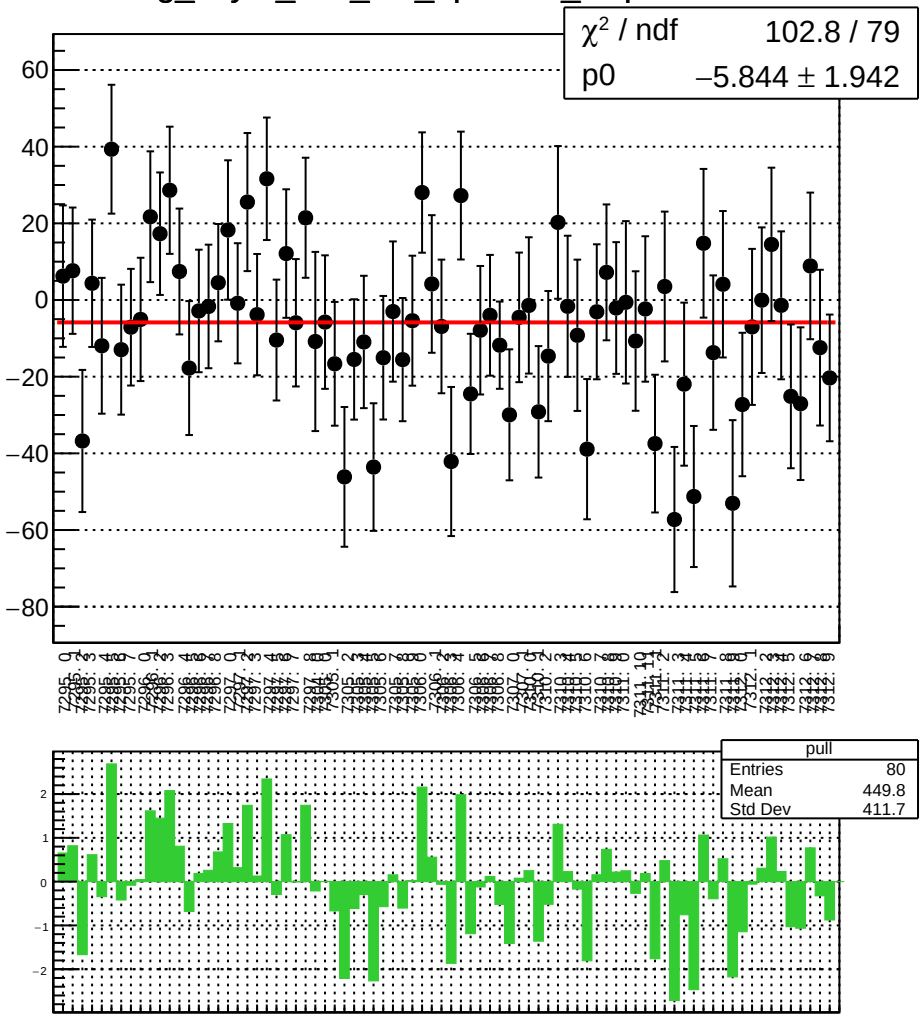

pull1D
Entries 80
Mean −0.1317
Std Dev 0.8684

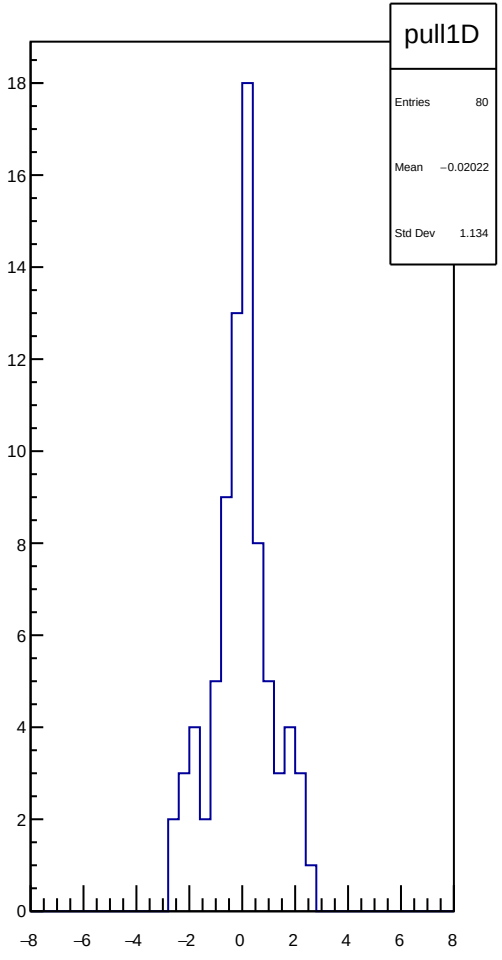

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 122.4 / 79
p0 15.21 ± 1.935
pull
Entries 80
Mean 123.1
Std Dev 72.56
pull1D
Entries 80
Mean −0.0933
Std Dev 1.233

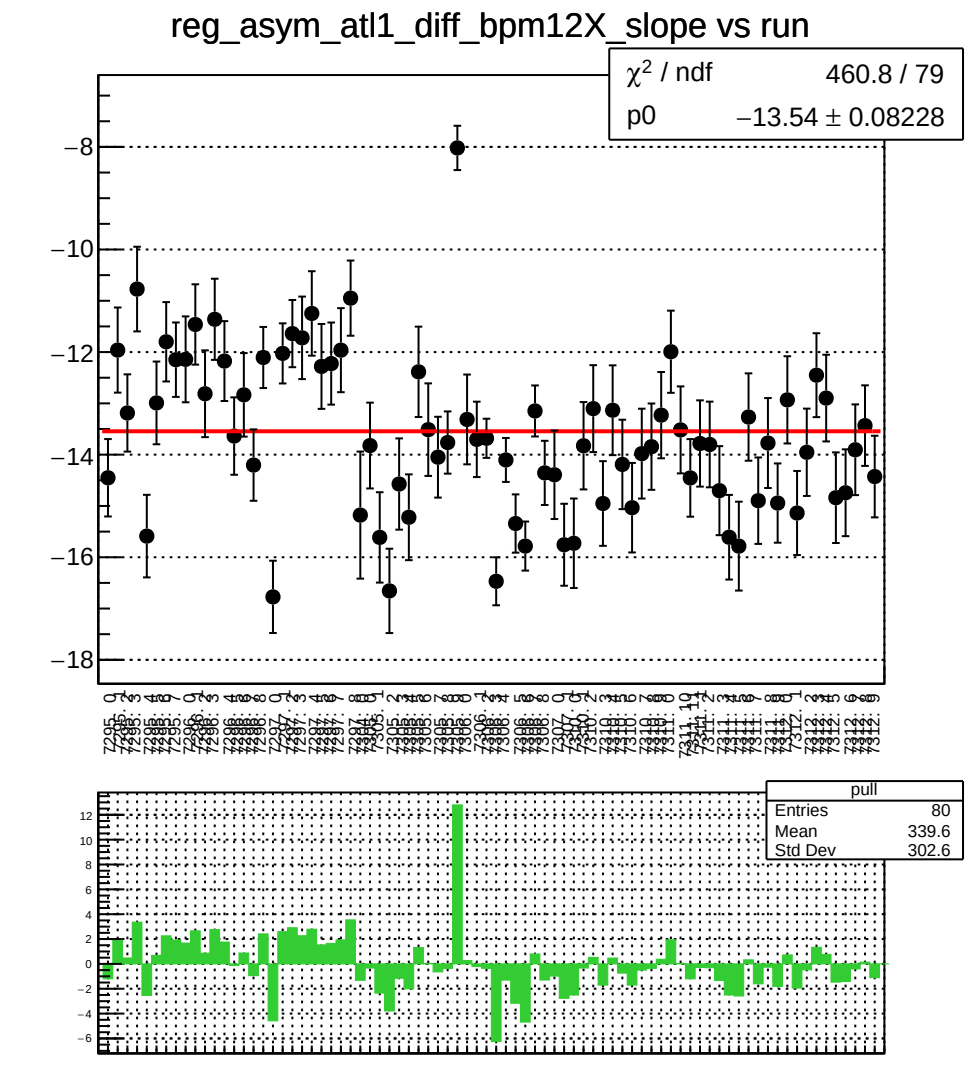

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 97.67 / 79
p0 −1.068 ± 1.813
pull
Entries 80
Mean 545
Std Dev 506.4
pull1D
Entries 80
Mean 0.018
Std Dev 1.105

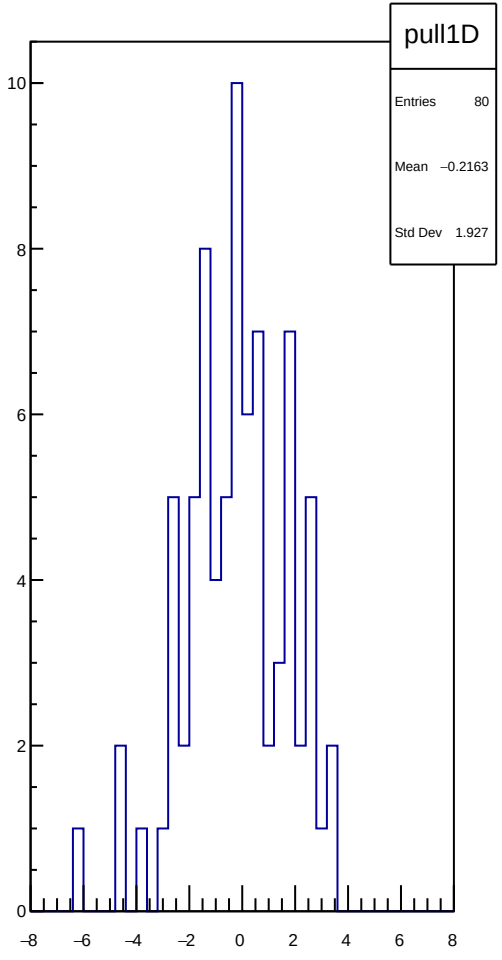

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 132.5 / 79
p0 19.69 ± 1.916
pull
Entries 80
Mean 120.5
Std Dev 70.85

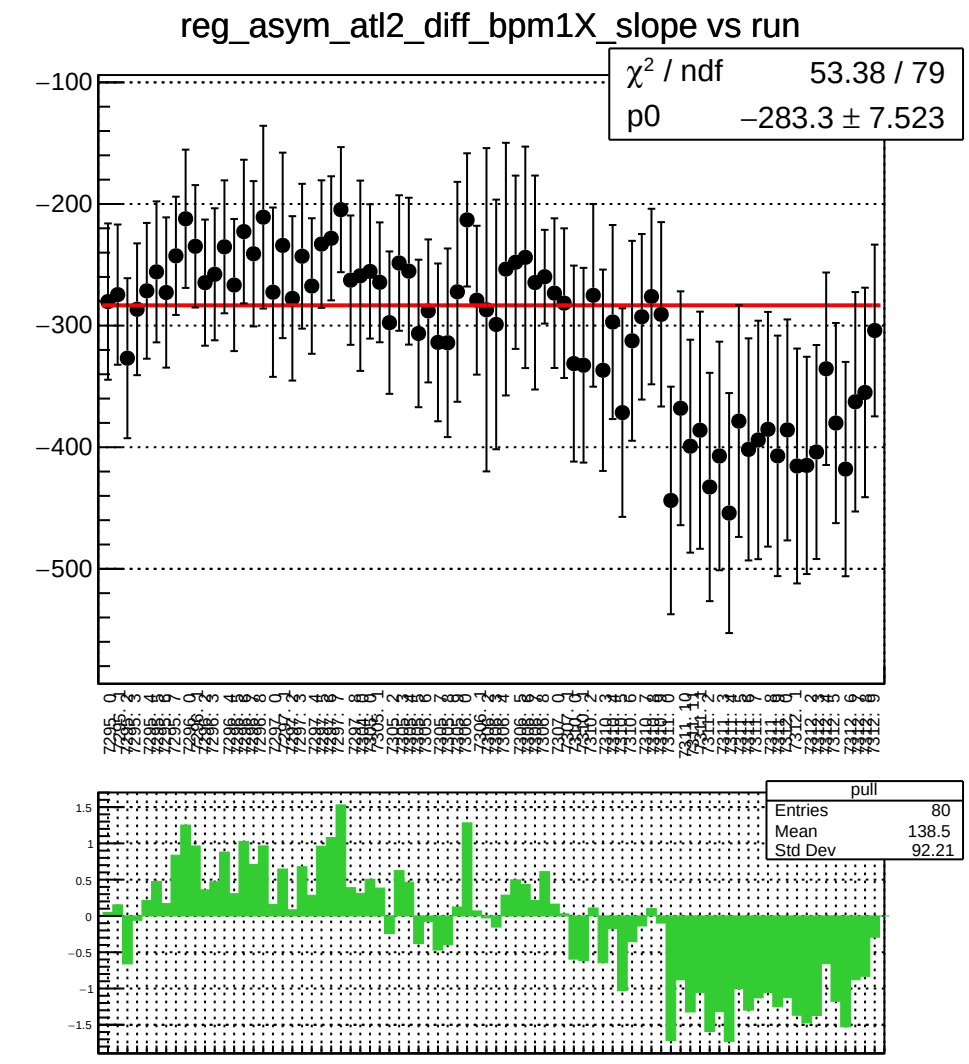

pull1D
Entries 80
Mean 0.1062
Std Dev 1.282

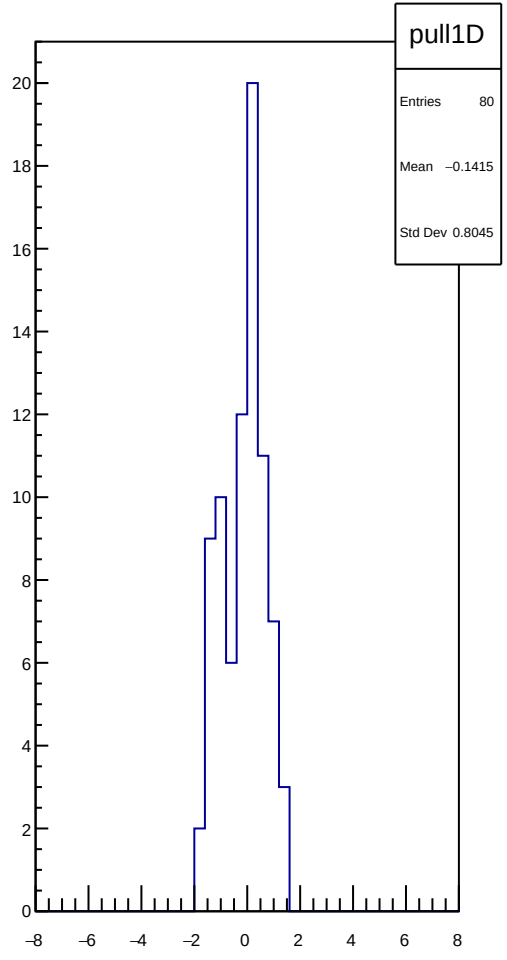

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 102.8 / 79
p0 −5.844 ± 1.942
pull
Entries 80
Mean 449.8
Std Dev 411.7

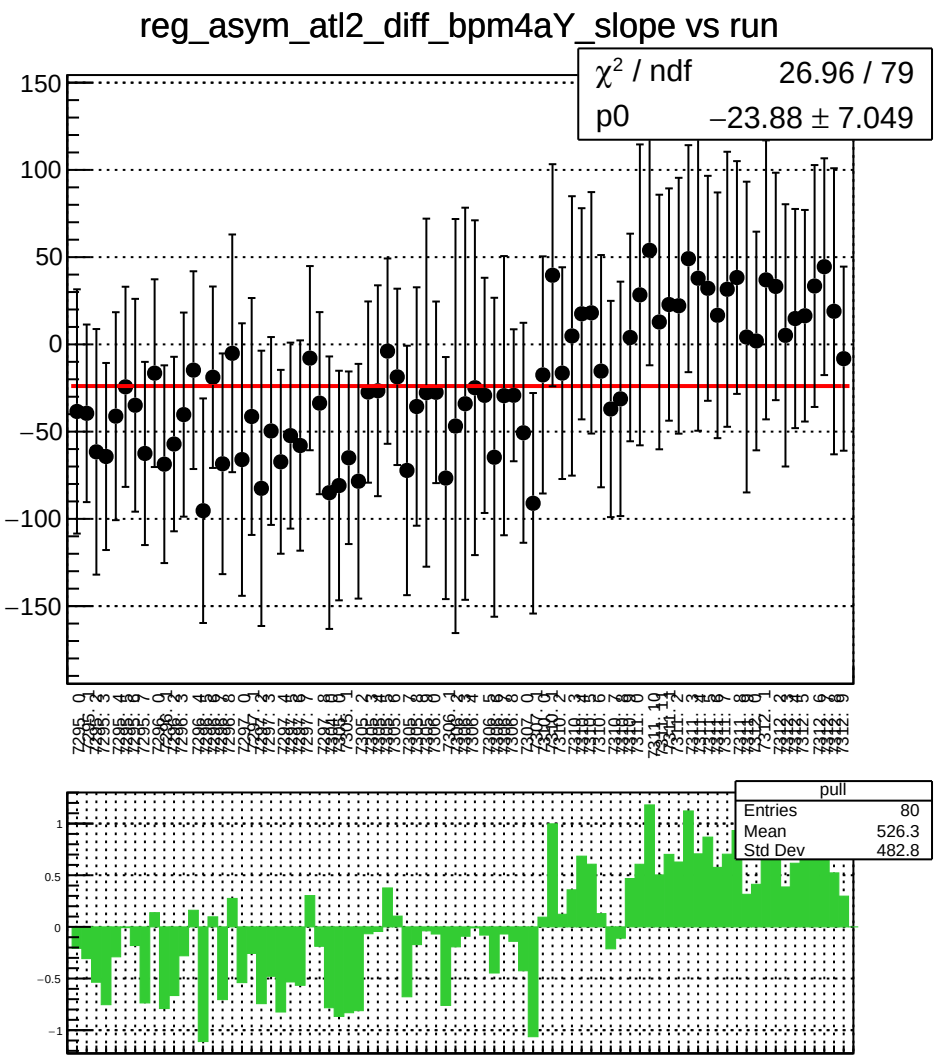

pull1D
Entries 80
Mean −0.02022
Std Dev 1.134

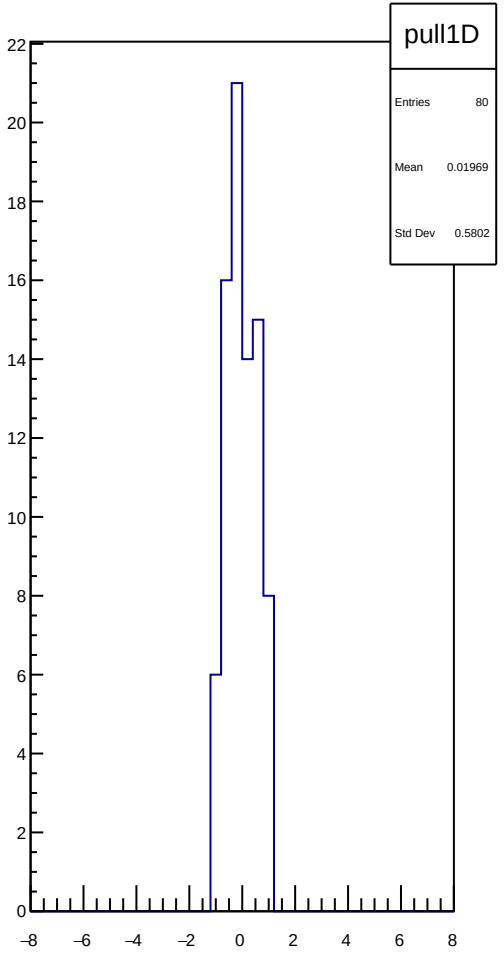

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 460.8 / 79
p0 −13.54 ± 0.08228
pull
Entries 80
Mean 339.6
Std Dev 302.6

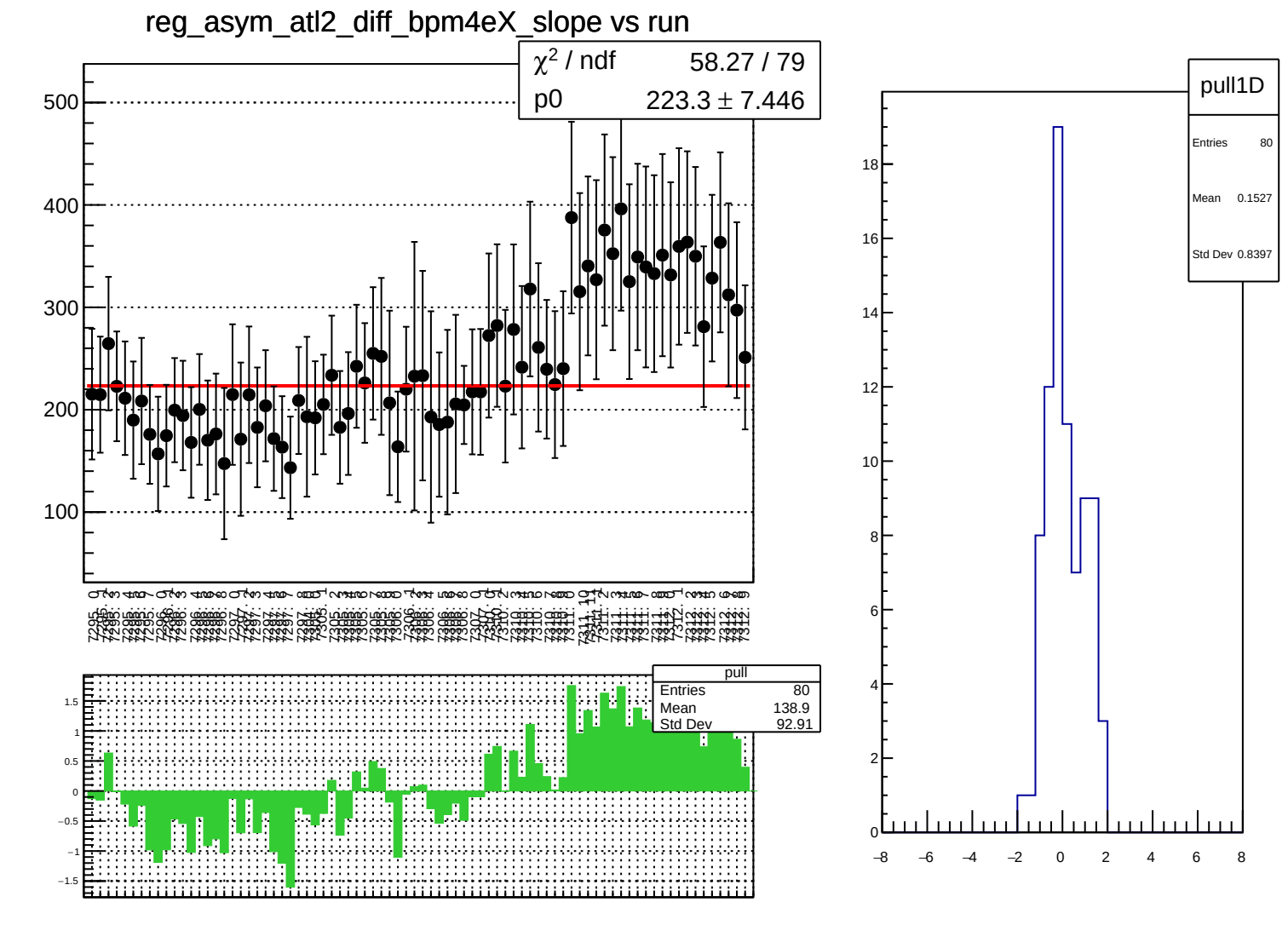

pull1D
Entries 80
Mean −0.2163
Std Dev 1.927

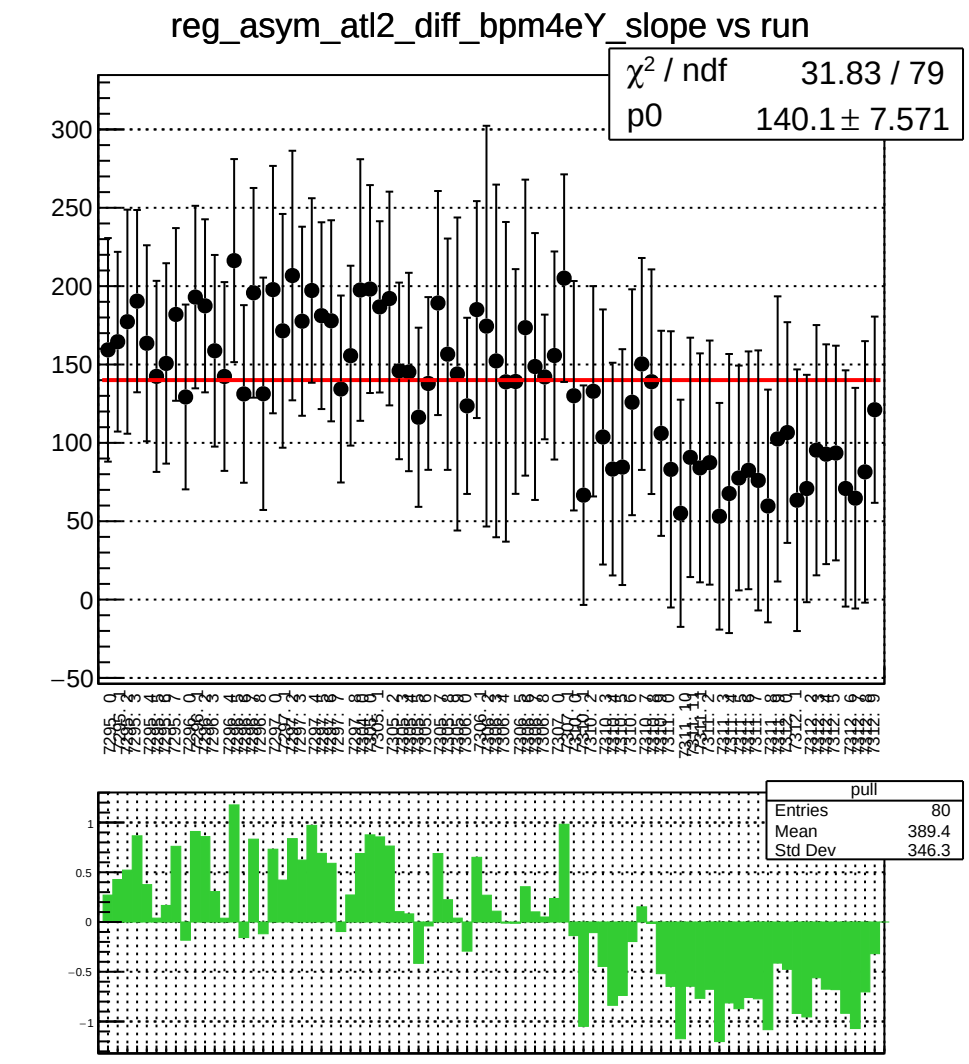

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 53.38 / 79
p0 −283.3 ± 7.523
−100
−200
−300
−400
−500
pull
Entries 80
Mean 138.5
Std Dev 92.21
1.5
1
0.5
0
−0.5
−1
−1.5

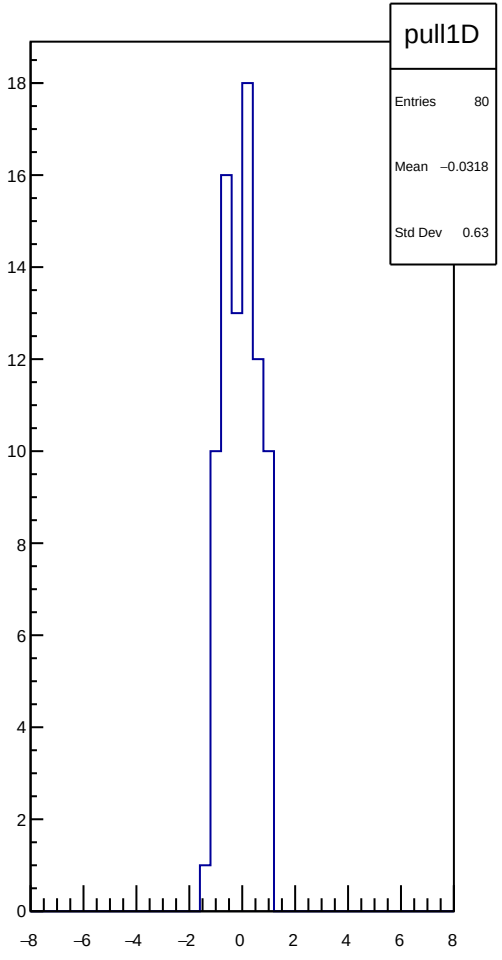

pull1D
Entries 80
Mean −0.1415
Std Dev 0.8045
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

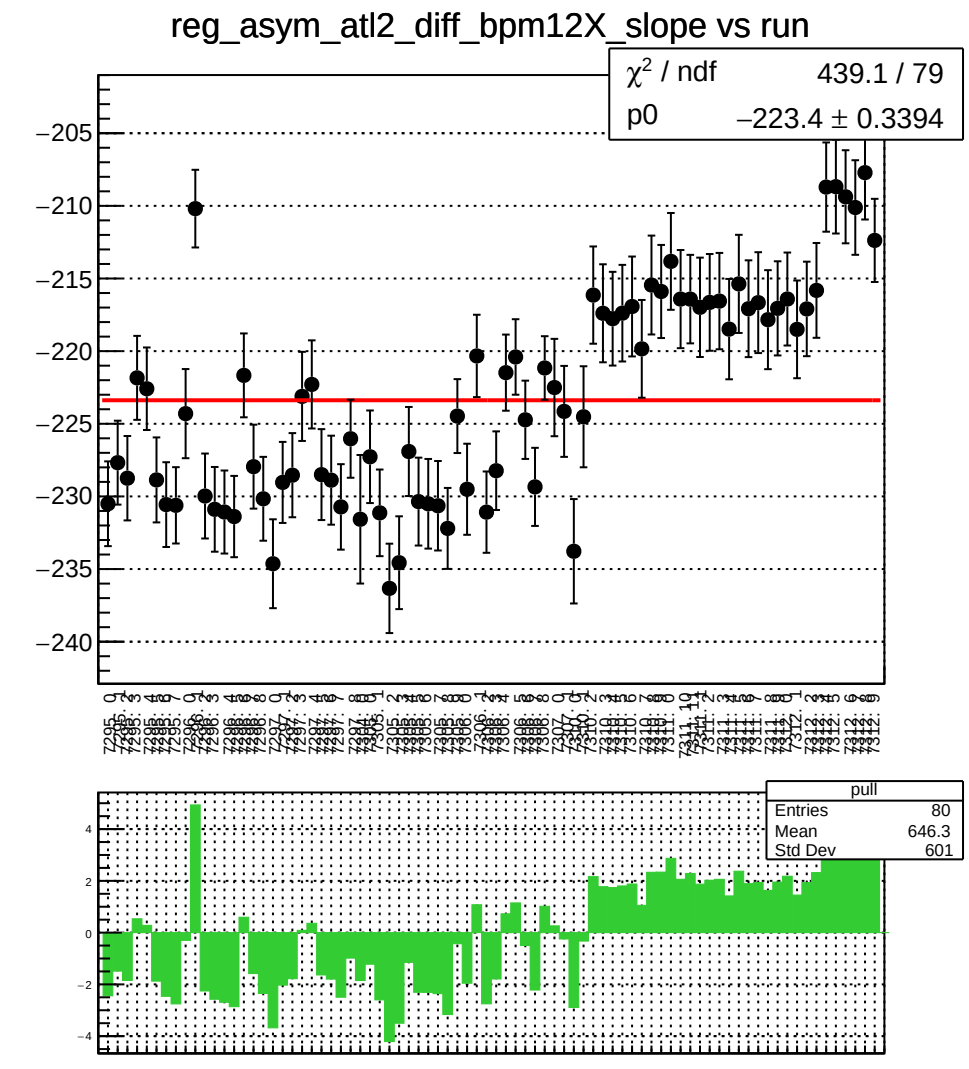

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 26.96 / 79
p0 −23.88 ± 7.049
pull
Entries 80
Mean 526.3
Std Dev 482.8

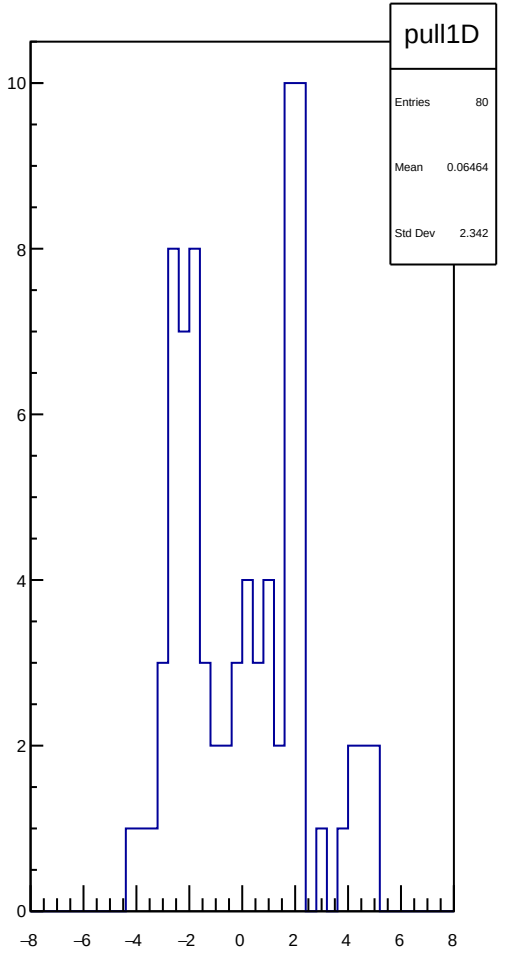

pull1D
Entries 80
Mean 0.01969
Std Dev 0.5802

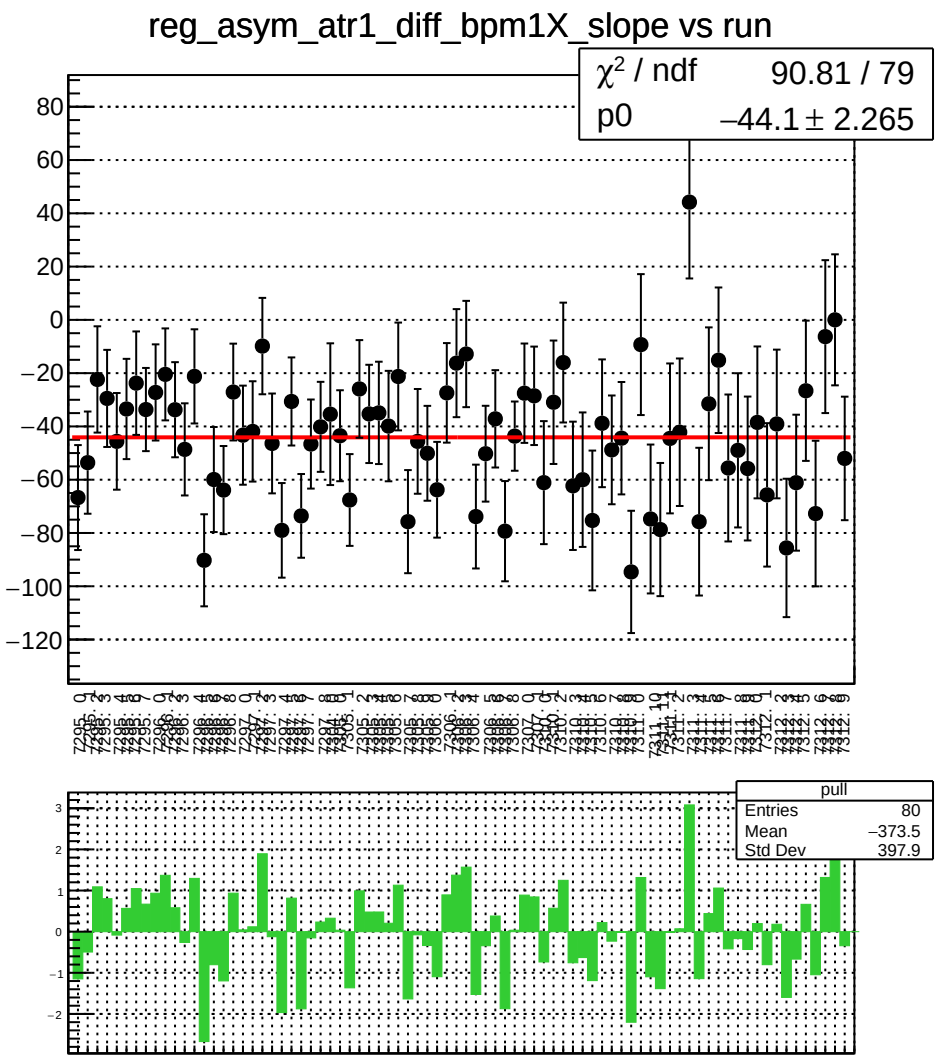

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 58.27 / 79
p0 223.3 ± 7.446
500
400
300
200
100
pull
Entries 80
Mean 138.9
Std Dev 92.91
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.1527
Std Dev 0.8397
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

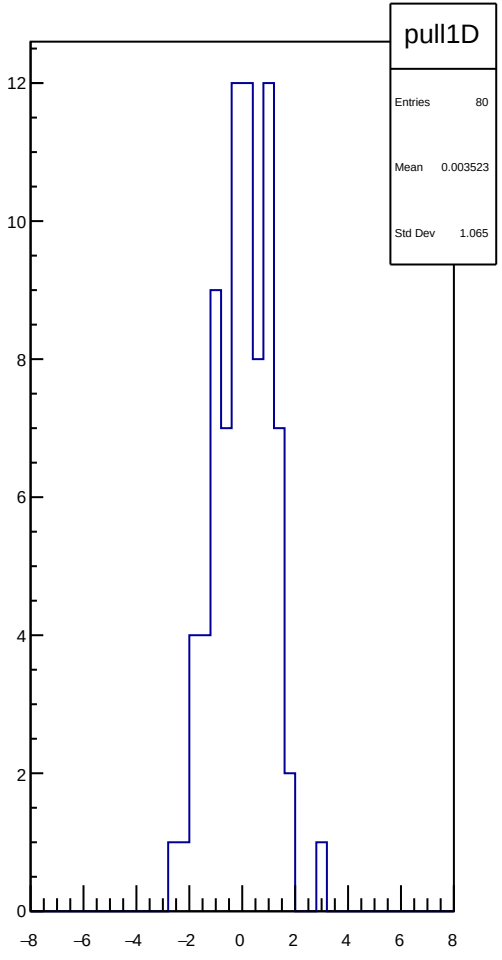

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 31.83 / 79
p0 140.1 ± 7.571
pull
Entries 80
Mean 389.4
Std Dev 346.3

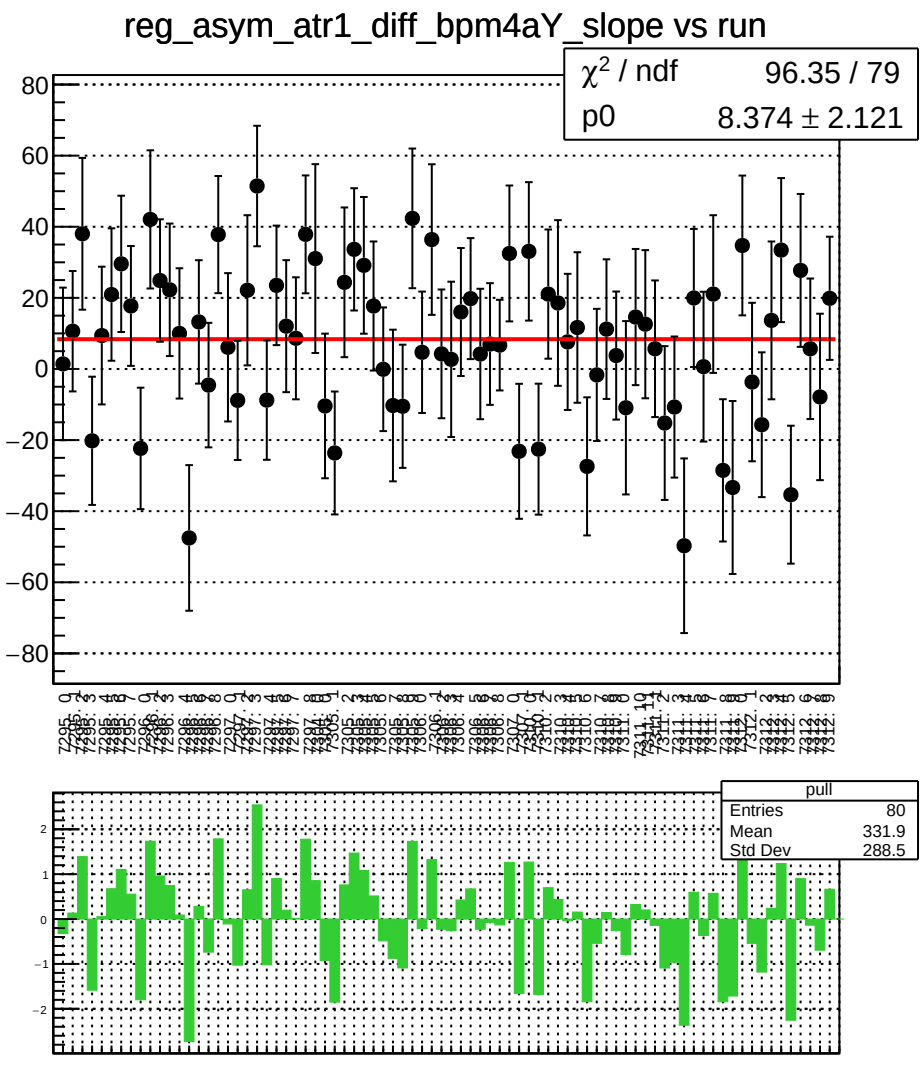

pull1D
Entries 80
Mean −0.0318
Std Dev 0.63

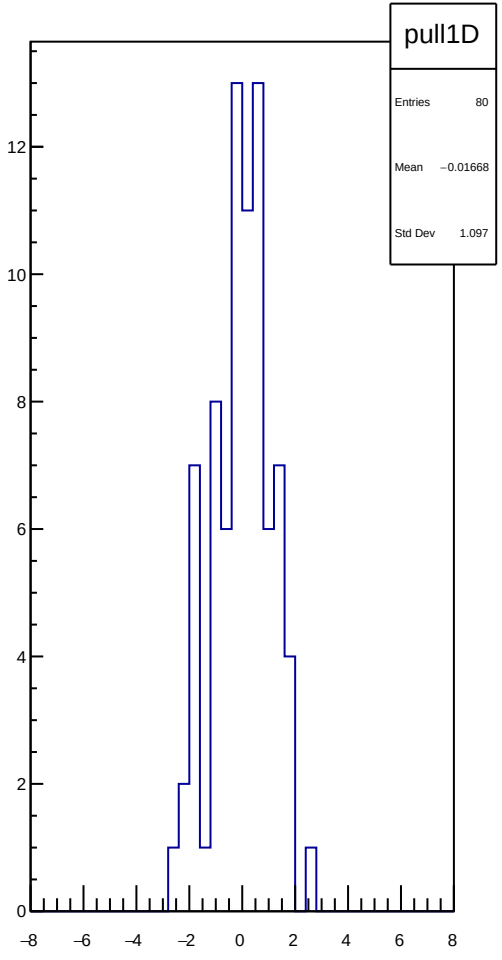

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 439.1 / 79
p0 −223.4 ± 0.3394
pull
Entries 80
Mean 646.3
Std Dev 601

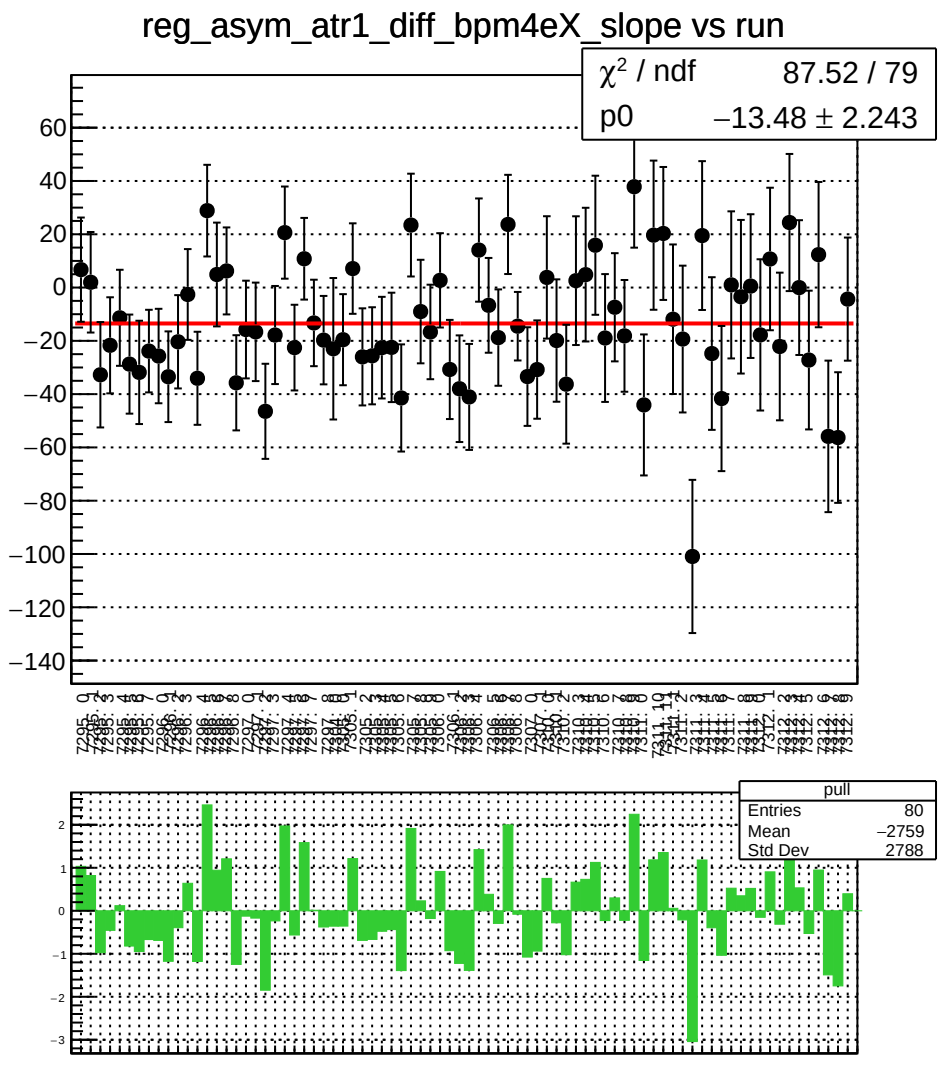

pull1D
Entries 80
Mean 0.06464
Std Dev 2.342

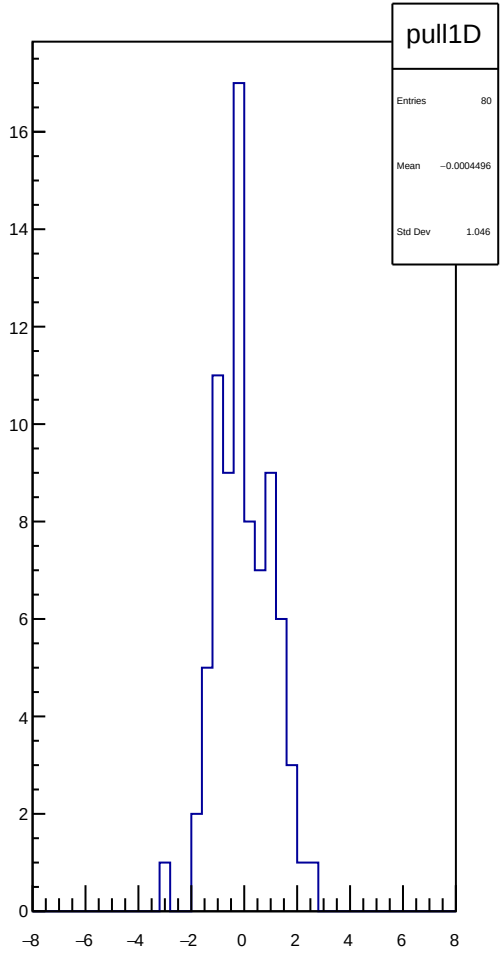

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 90.81 / 79
p0 −44.1 ± 2.265
pull
Entries 80
Mean −373.5
Std Dev 397.9

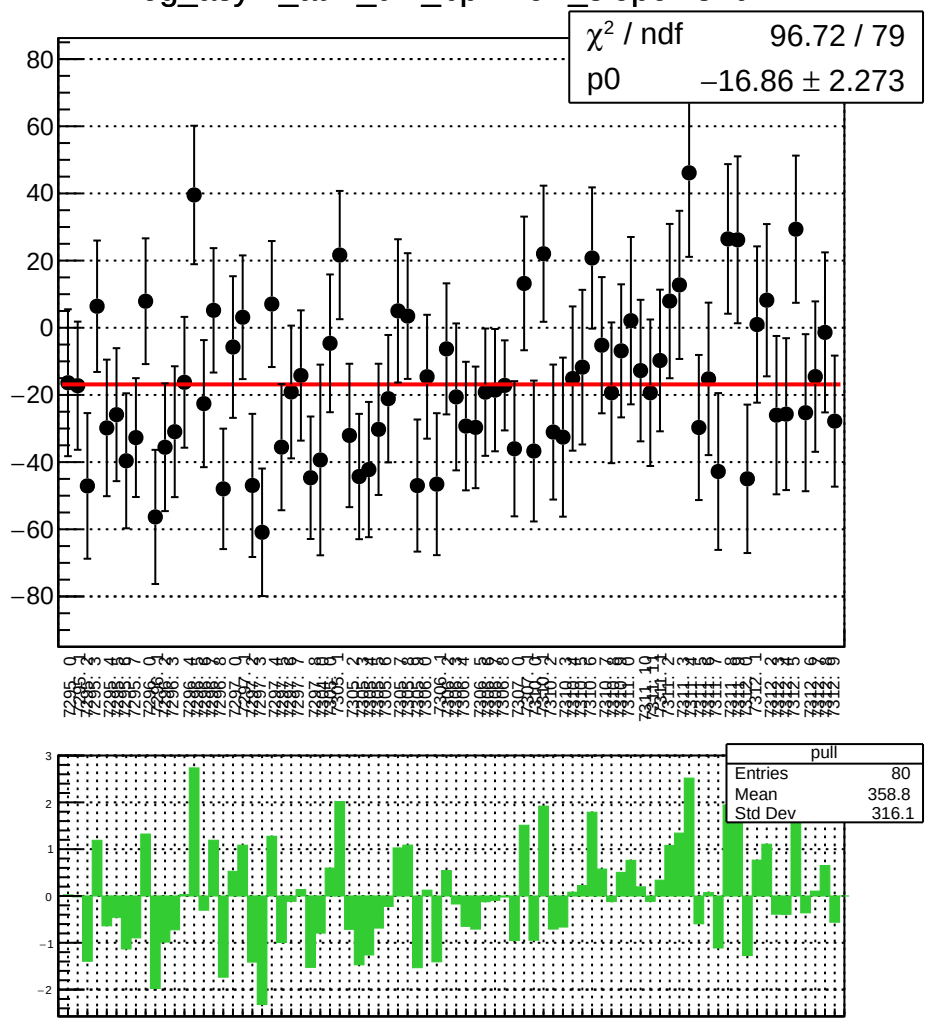

pull1D
Entries 80
Mean 0.003523
Std Dev 1.065

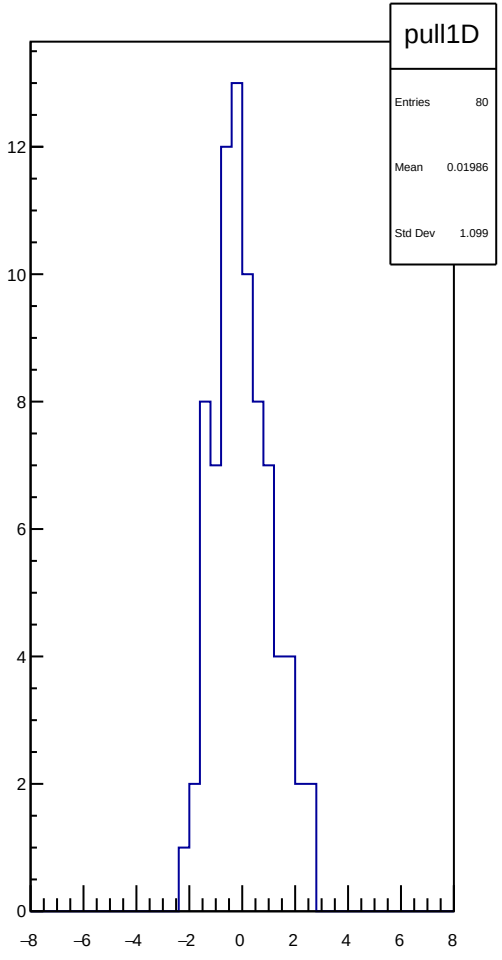

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 96.35 / 79
p0 8.374 ± 2.121
pull
Entries 80
Mean 331.9
Std Dev 288.5

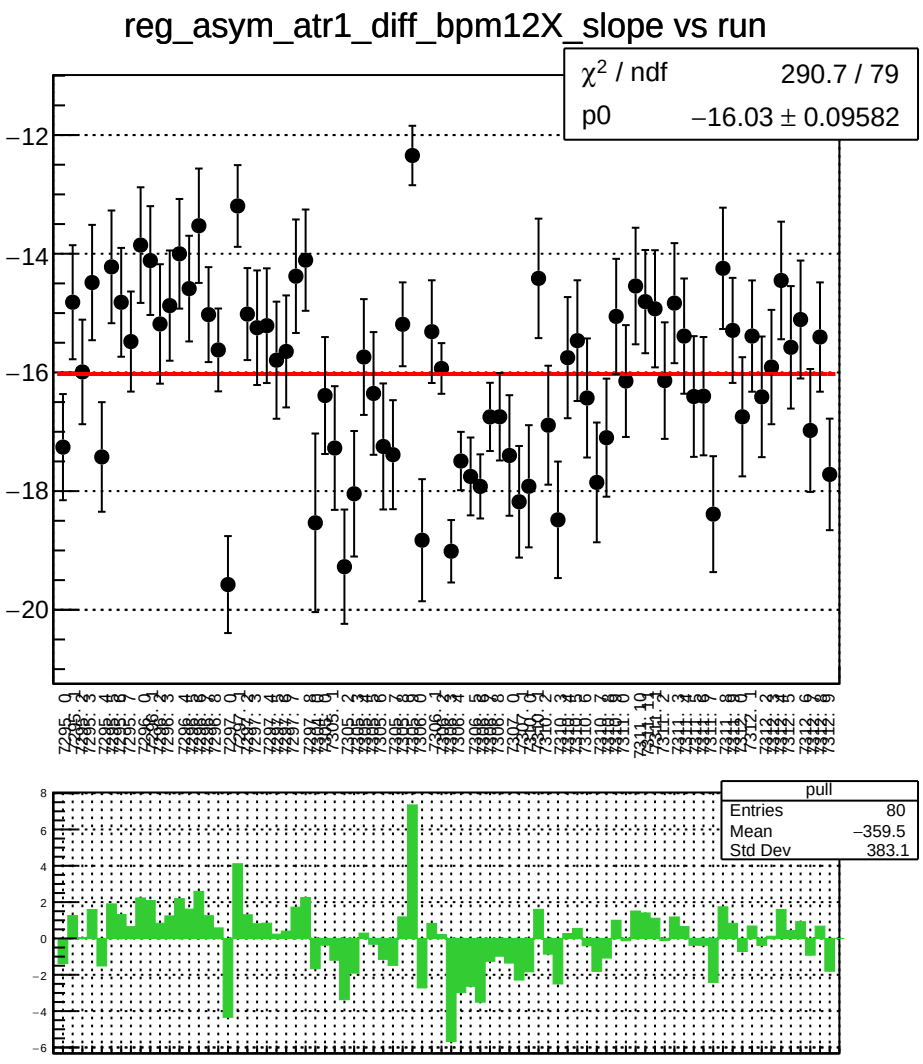

pull1D
Entries 80
Mean −0.01668
Std Dev 1.097

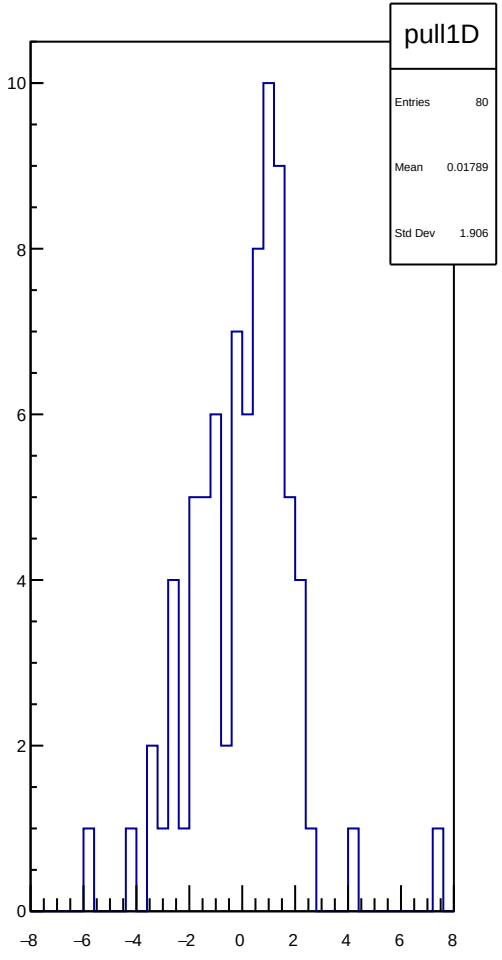

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 87.52 / 79
p0 −13.48 ± 2.243
pull
Entries 80
Mean −2759
Std Dev 2788

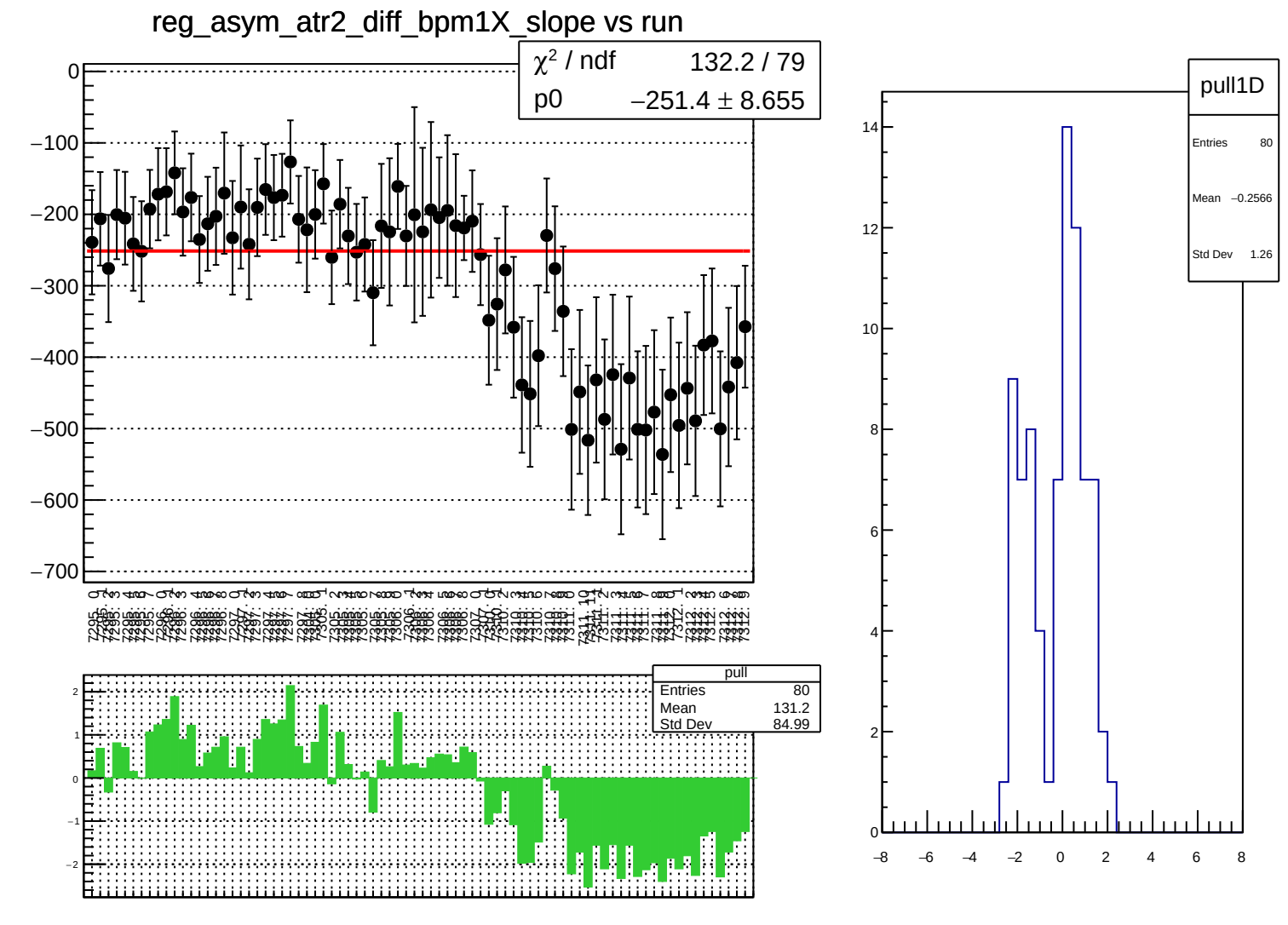

pull1D
Entries 80
Mean −0.0004496
Std Dev 1.046

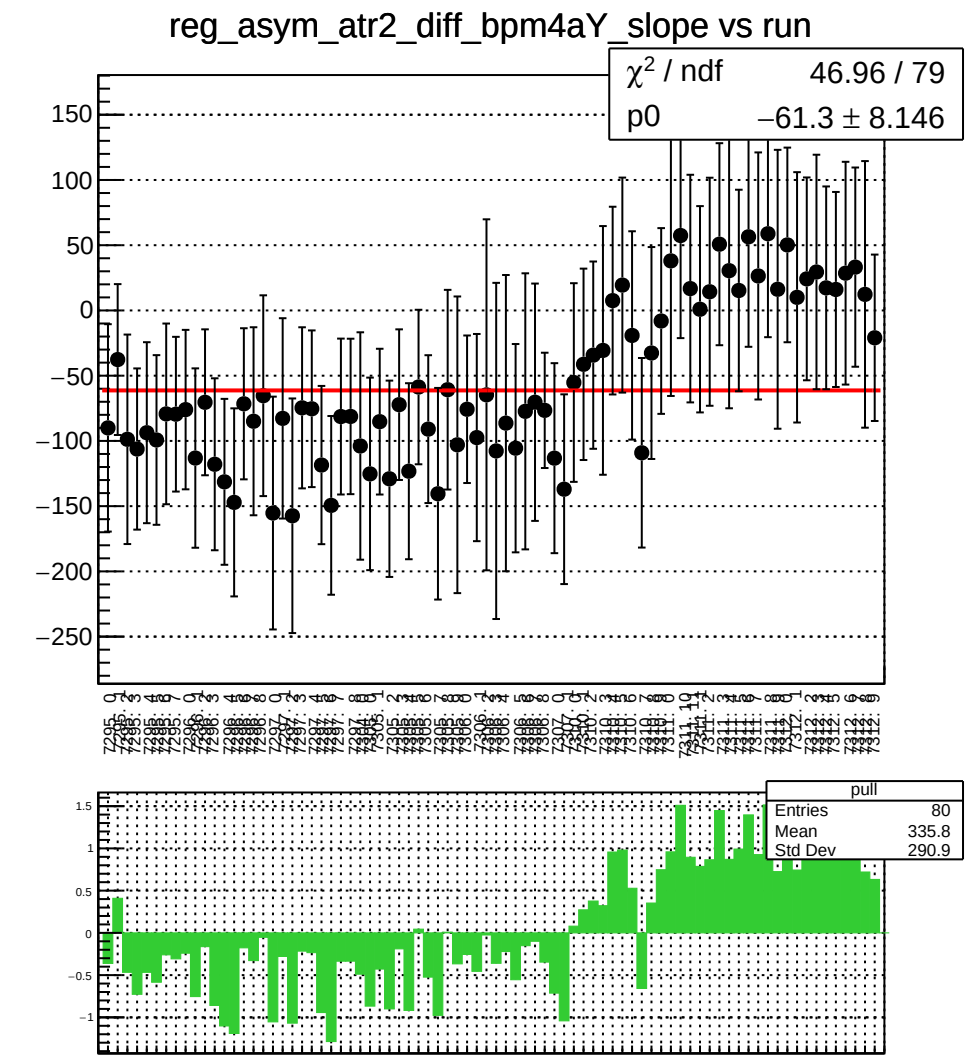

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 96.72 / 79
p0 −16.86 ± 2.273
pull
Entries 80
Mean 358.8
Std Dev 316.1

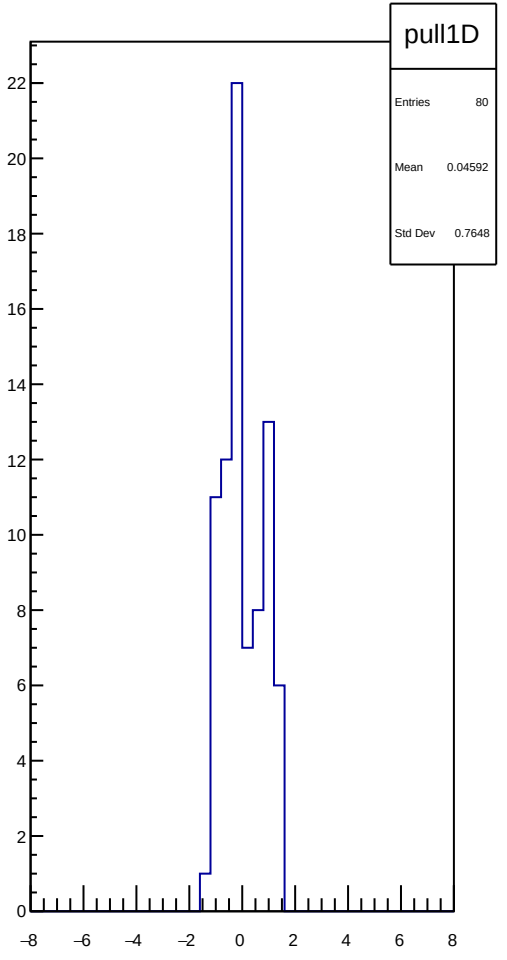

pull1D
Entries 80
Mean 0.01986
Std Dev 1.099

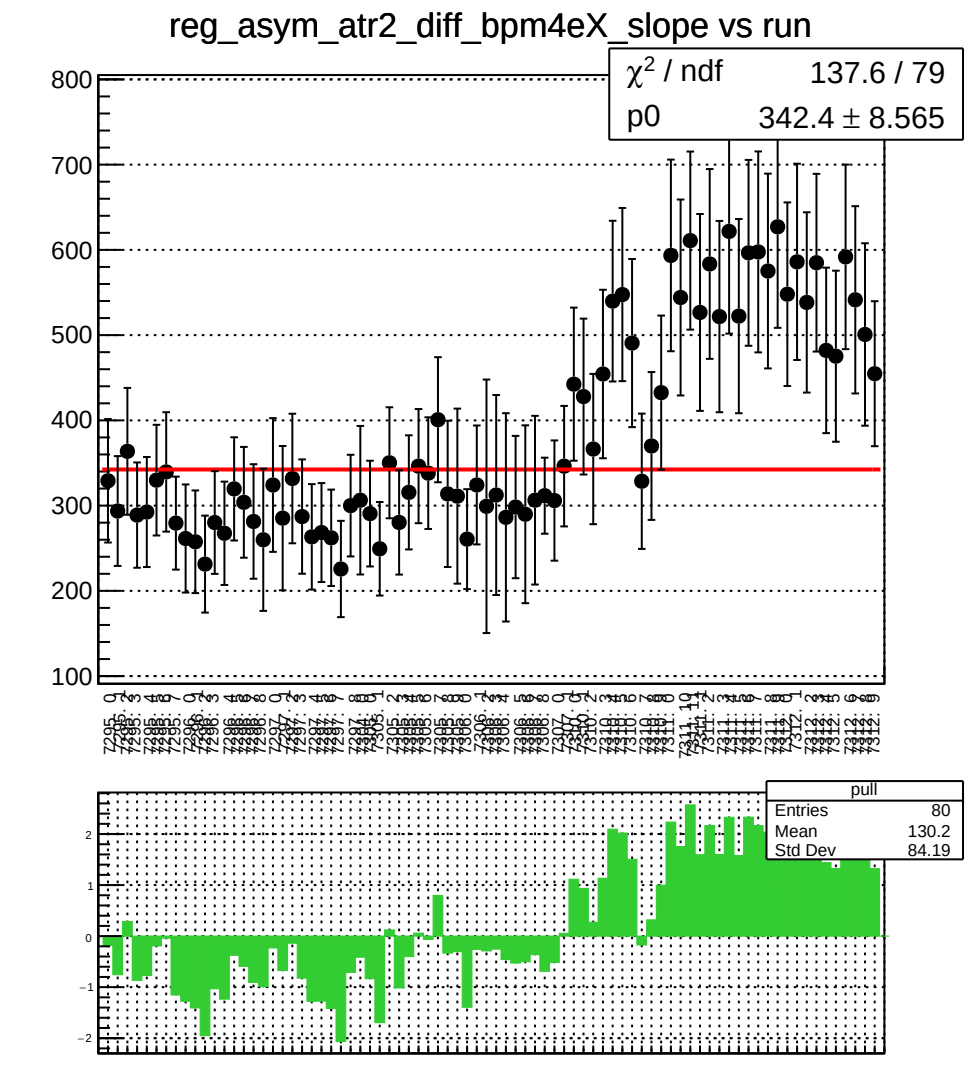

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 290.7 / 79
p0 −16.03 ± 0.09582
pull
Entries 80
Mean −359.5
Std Dev 383.1

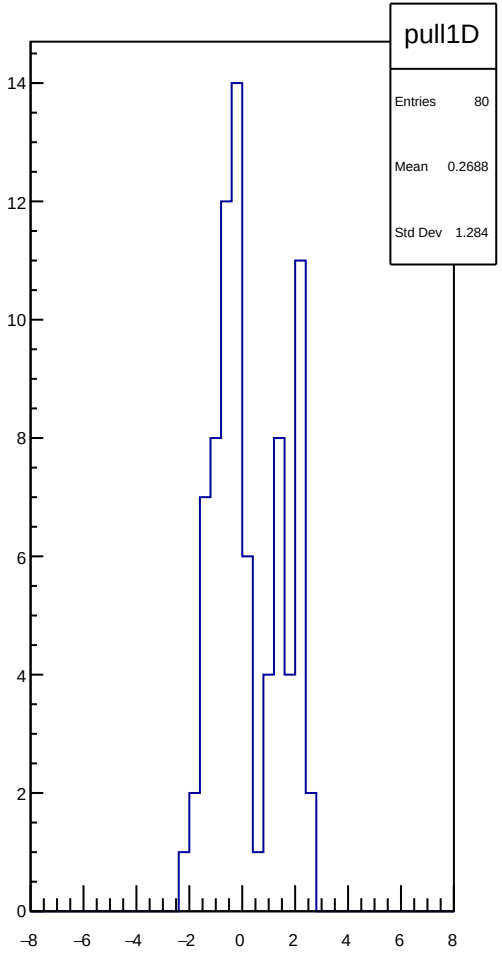

pull1D
Entries 80
Mean 0.01789
Std Dev 1.906

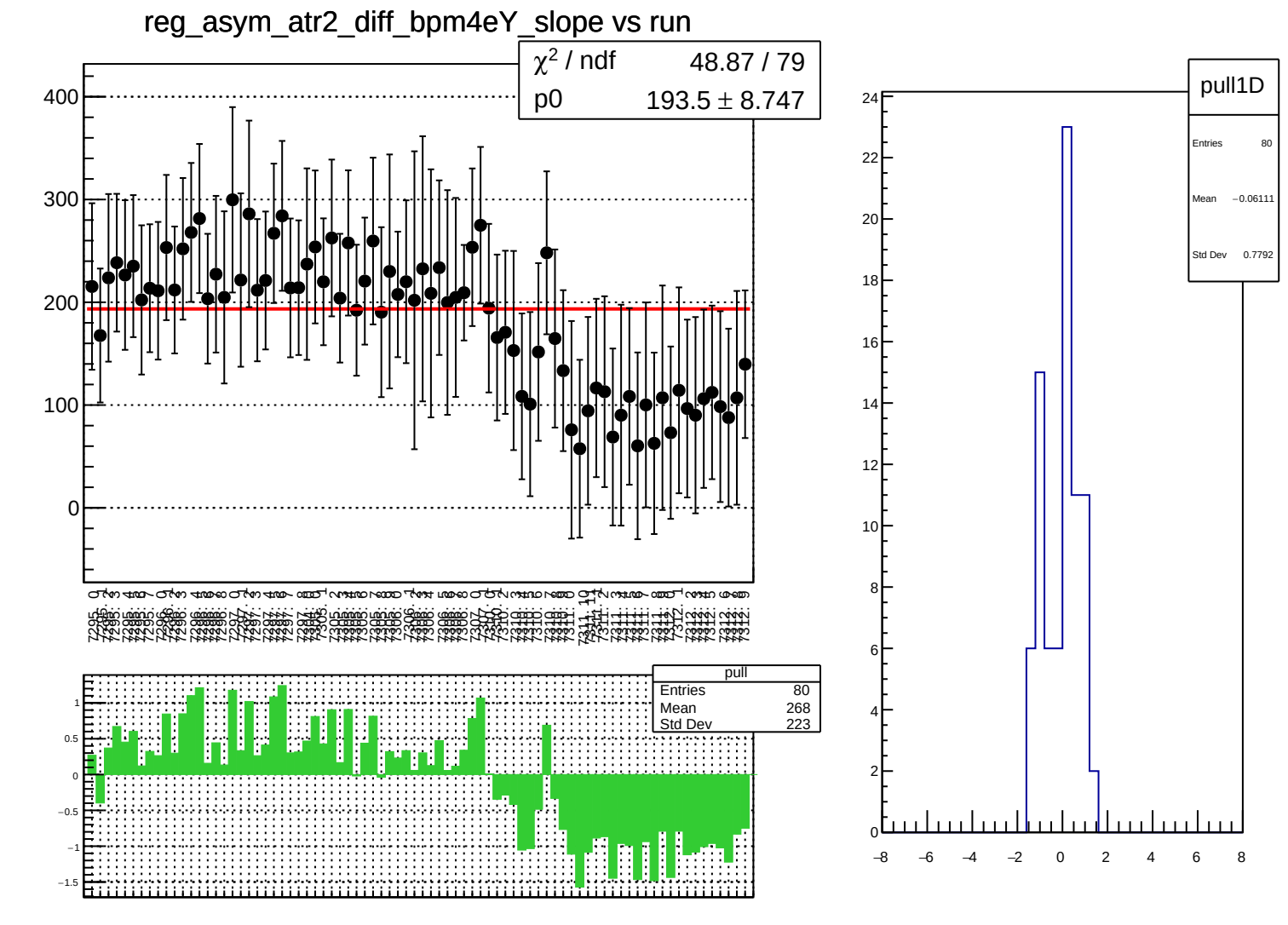

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 132.2 / 79
p0 −251.4 ± 8.655
pull
Entries 80
Mean 131.2
Std Dev 84.99
pull1D
Entries 80
Mean −0.2566
Std Dev 1.26

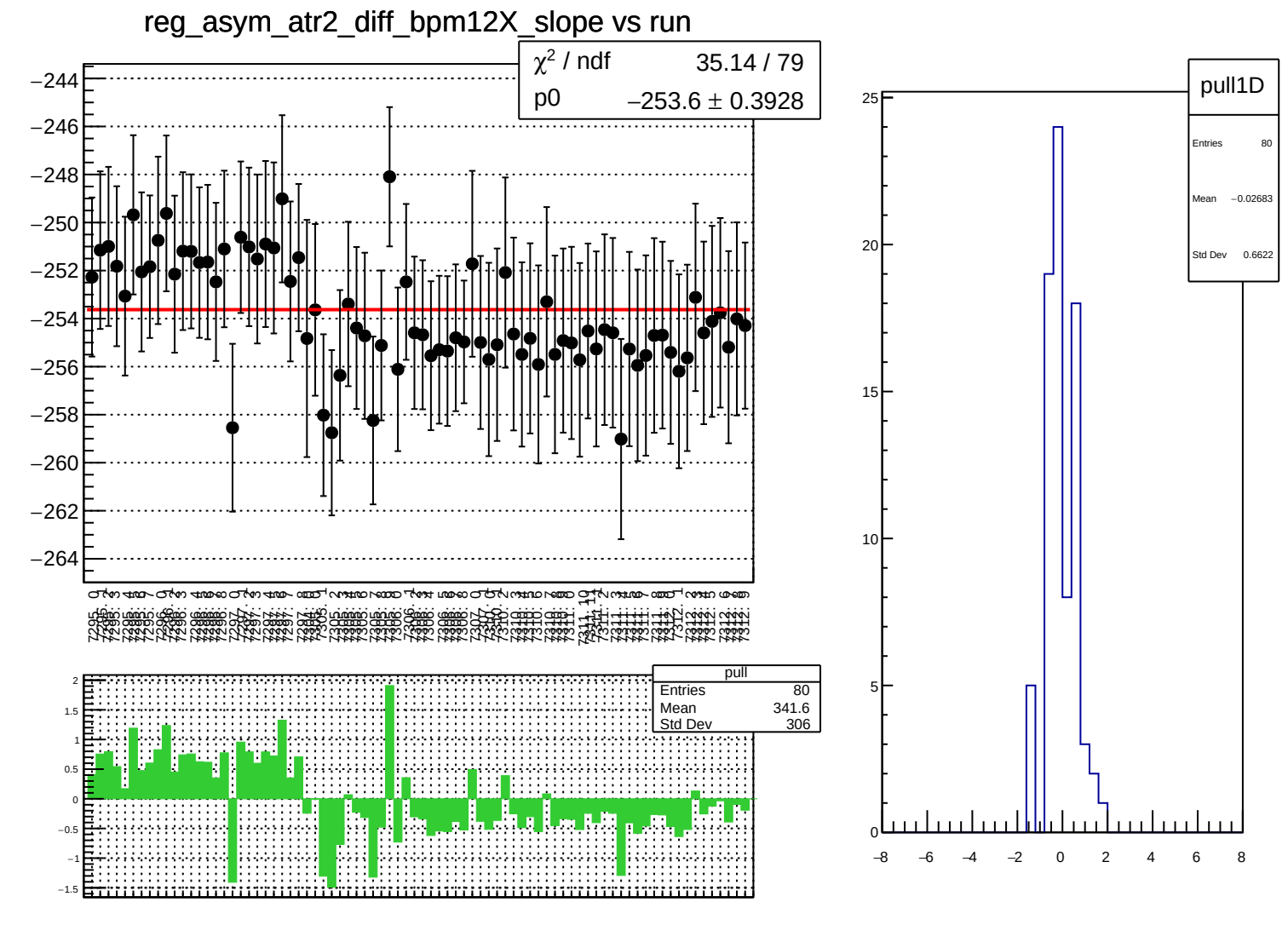

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 46.96 / 79
p0 −61.3 ± 8.146
pull
Entries 80
Mean 335.8
Std Dev 290.9

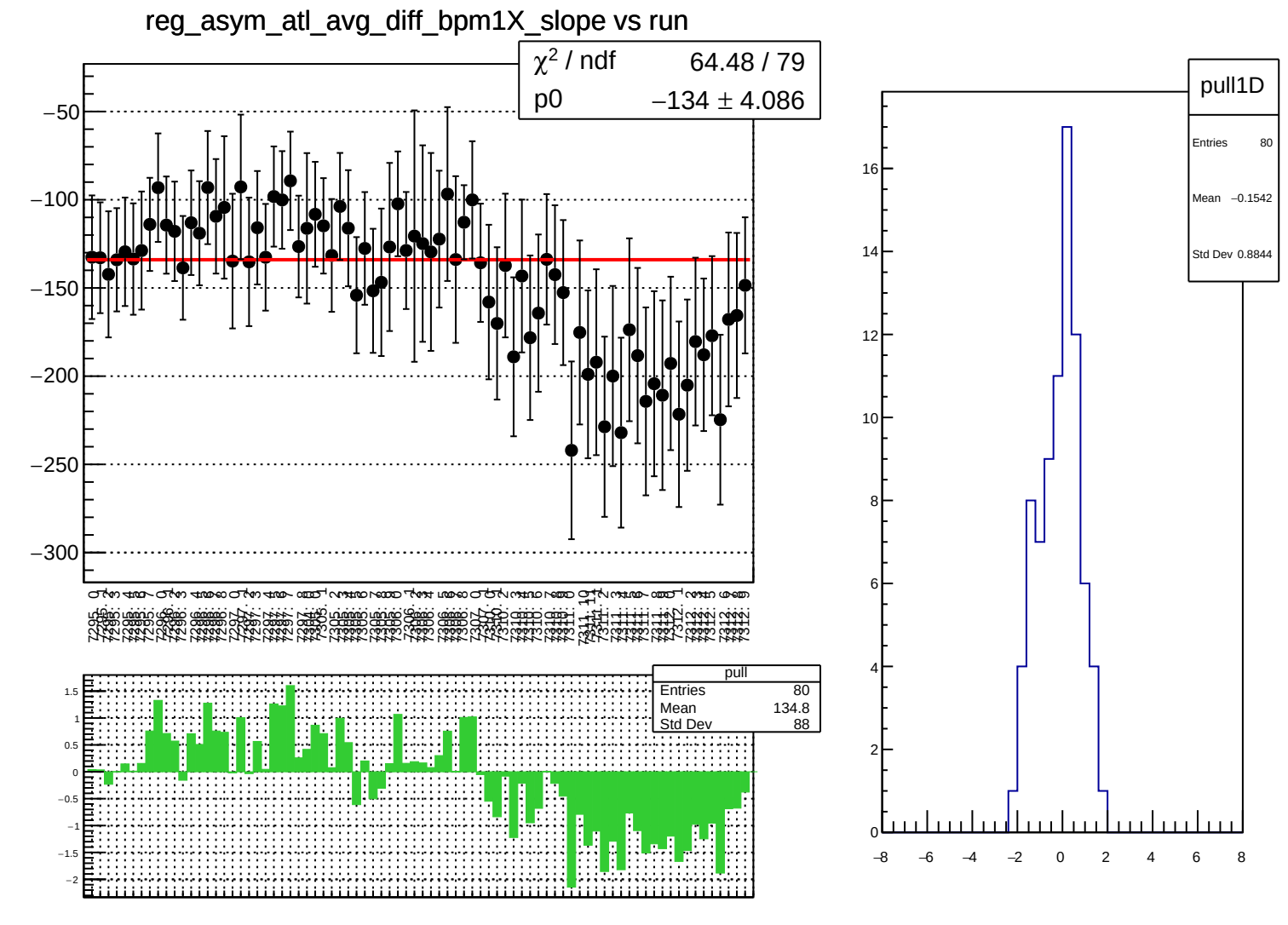

pull1D
Entries 80
Mean 0.04592
Std Dev 0.7648

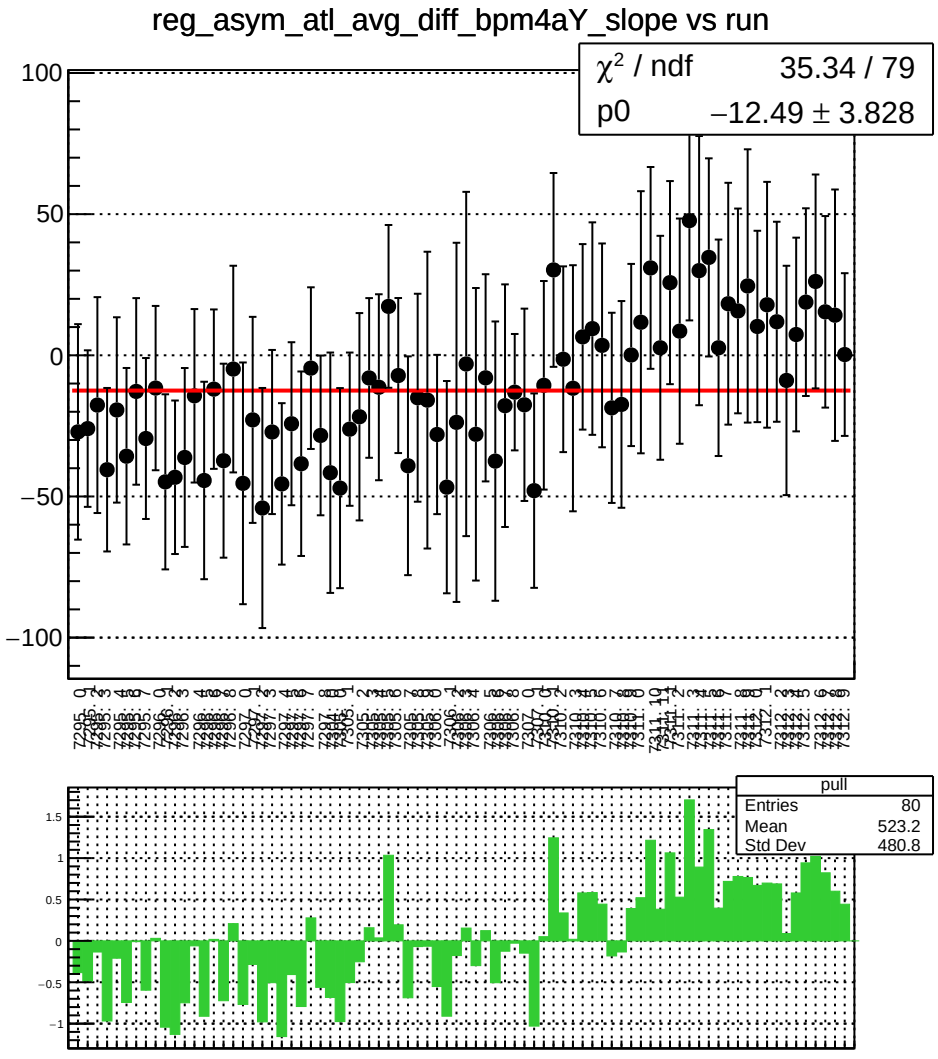

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 137.6 / 79
p0 342.4 ± 8.565
pull
Entries 80
Mean 130.2
Std Dev 84.19

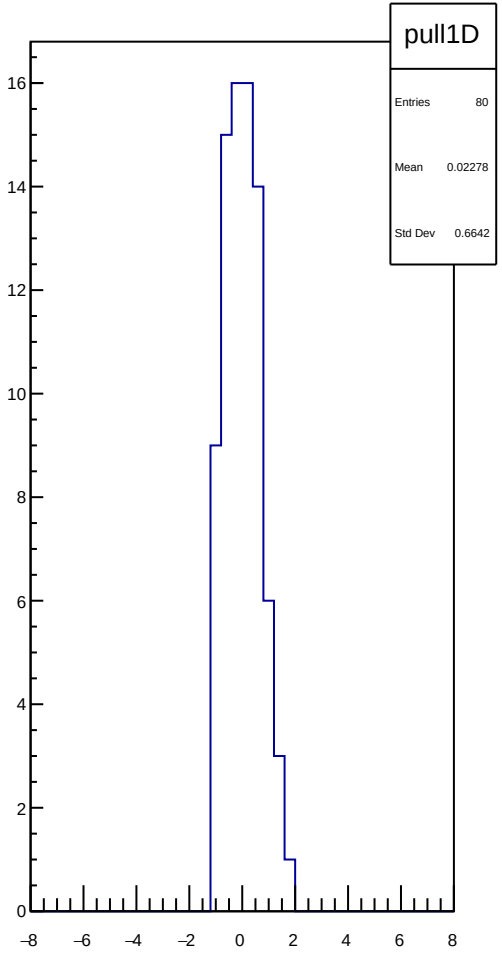

pull1D
Entries 80
Mean 0.2688
Std Dev 1.284

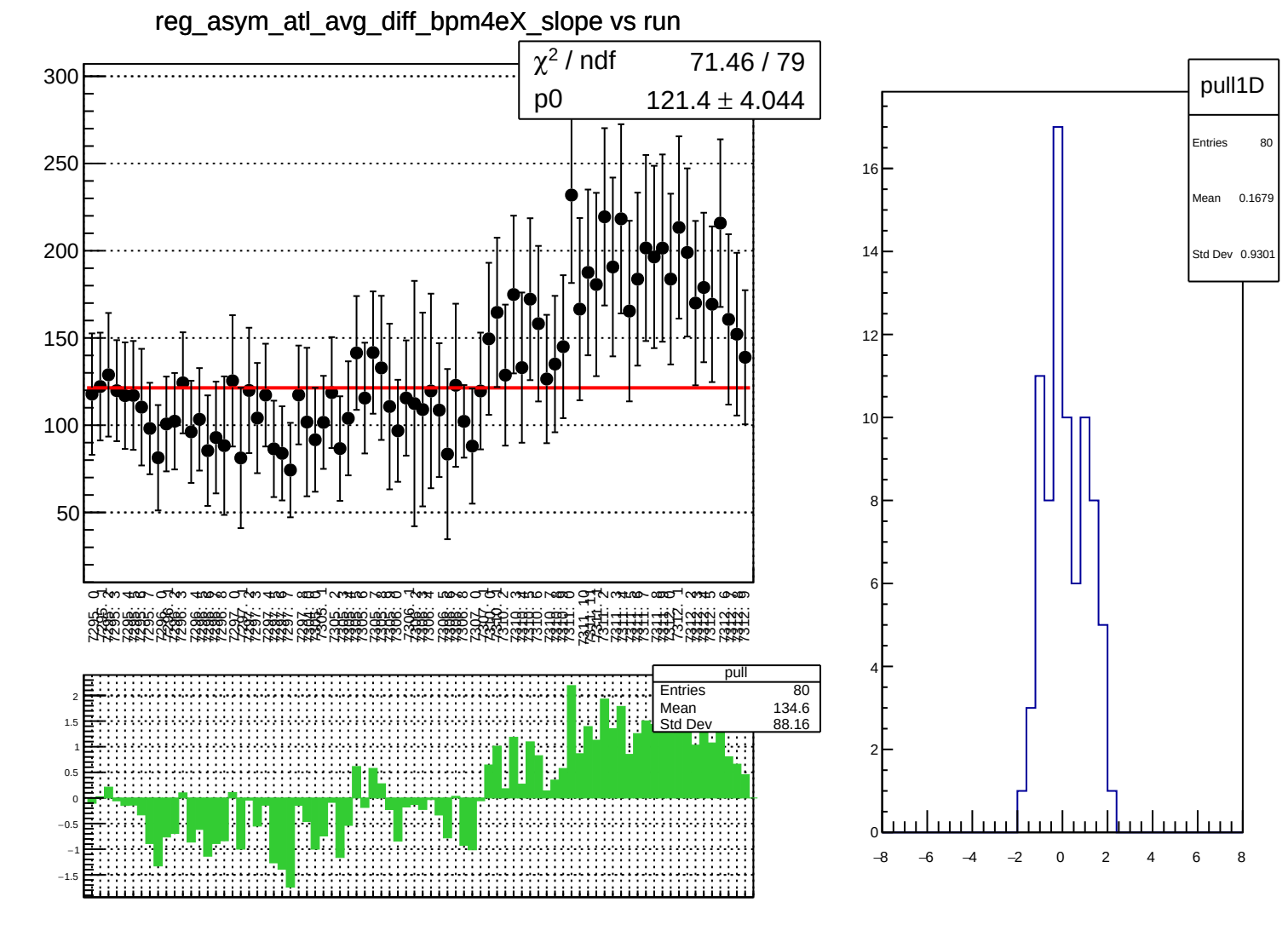

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 48.87 / 79
p0 193.5 ± 8.747
pull
Entries 80
Mean 268
Std Dev 223
pull1D
Entries 80
Mean −0.06111
Std Dev 0.7792

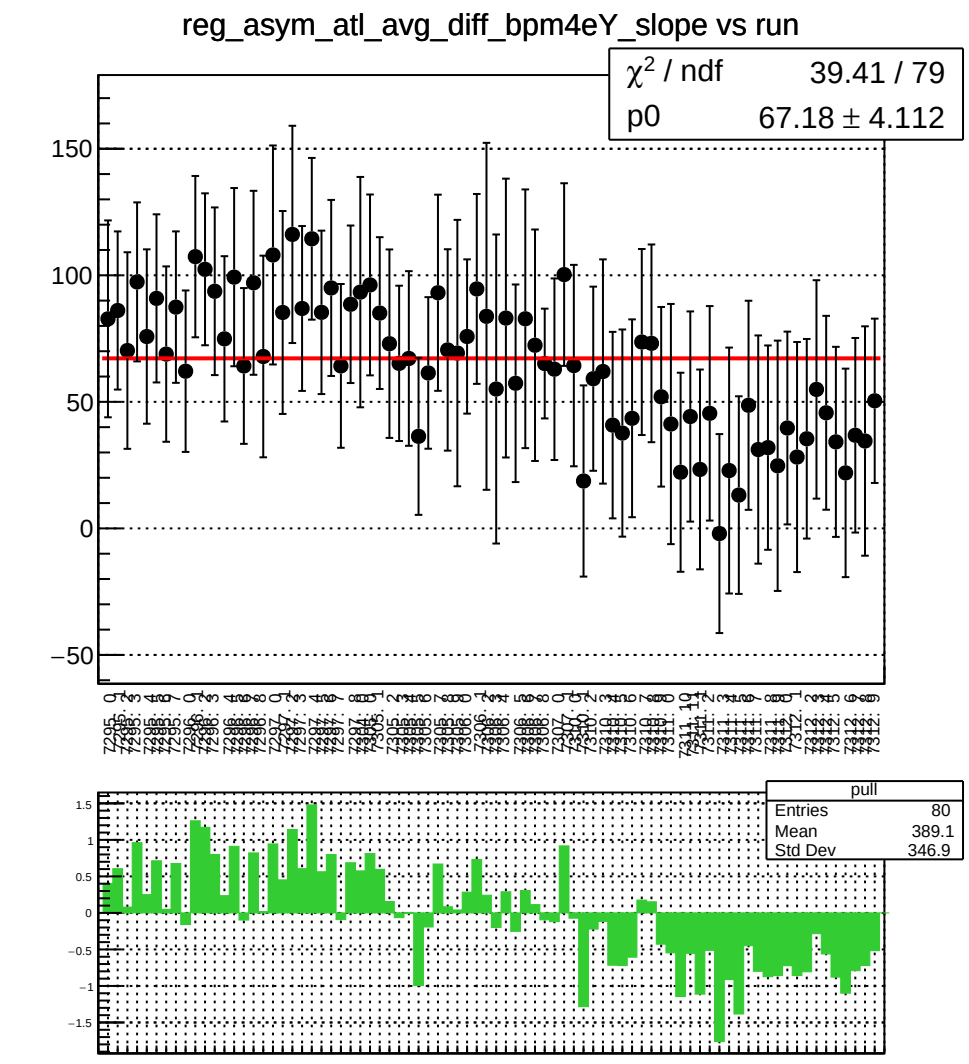

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 35.14 / 79
p0 −253.6 ± 0.3928
pull
Entries 80
Mean 341.6
Std Dev 306
pull1D
Entries 80
Mean −0.02683
Std Dev 0.6622

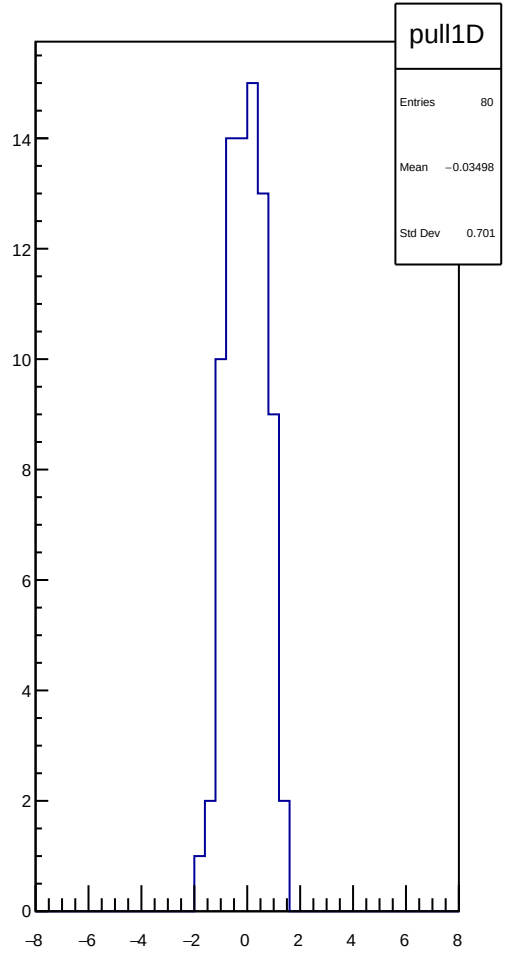

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 64.48 / 79
p0 −134 ± 4.086
pull
Entries 80
Mean 134.8
Std Dev 88
pull1D
Entries 80
Mean −0.1542
Std Dev 0.8844

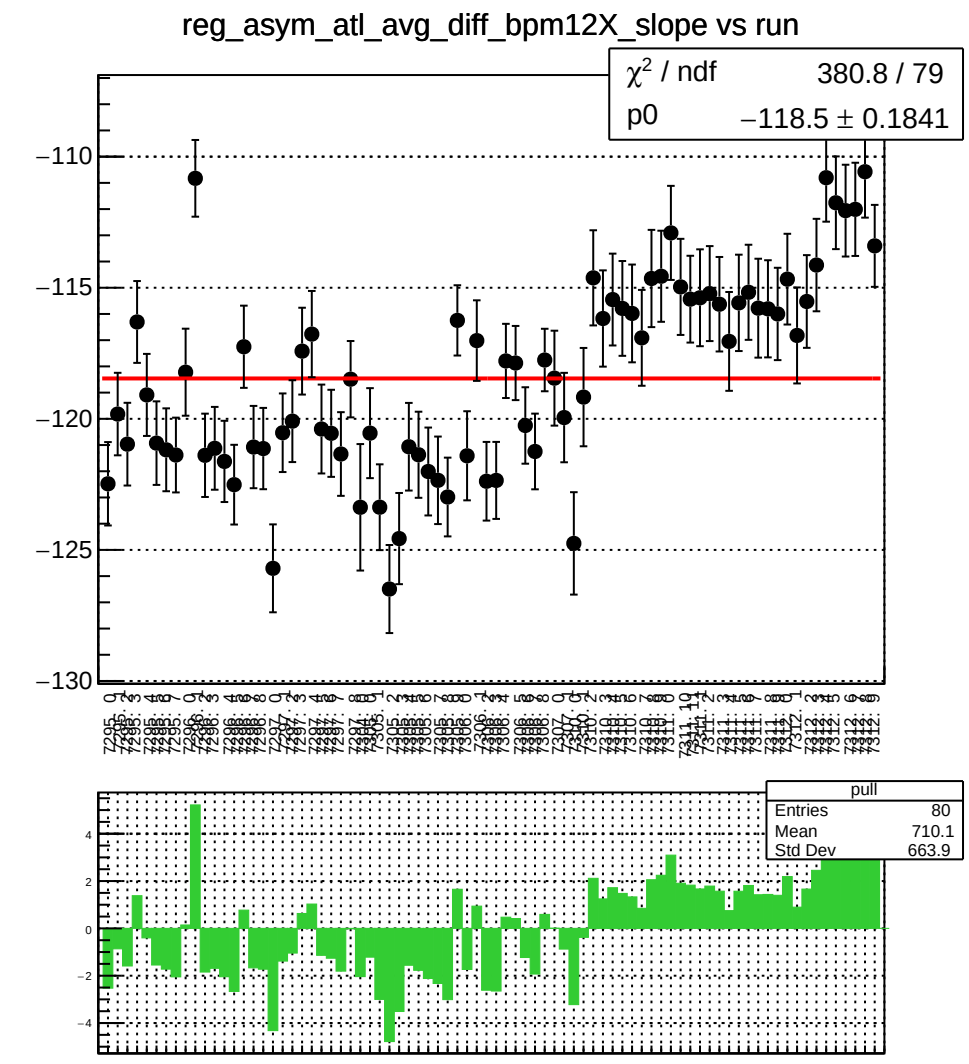

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.34 / 79
p0 −12.49 ± 3.828
pull
Entries 80
Mean 523.2
Std Dev 480.8

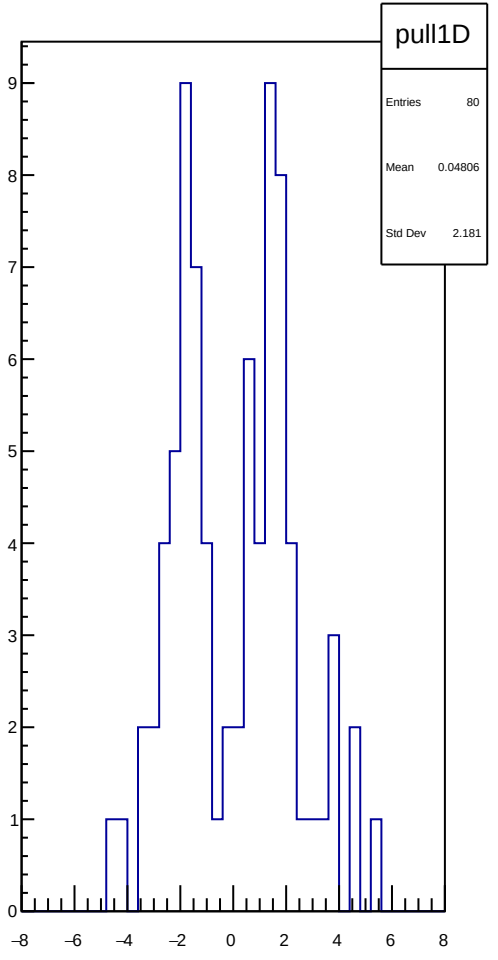

pull1D
Entries 80
Mean 0.02278
Std Dev 0.6642

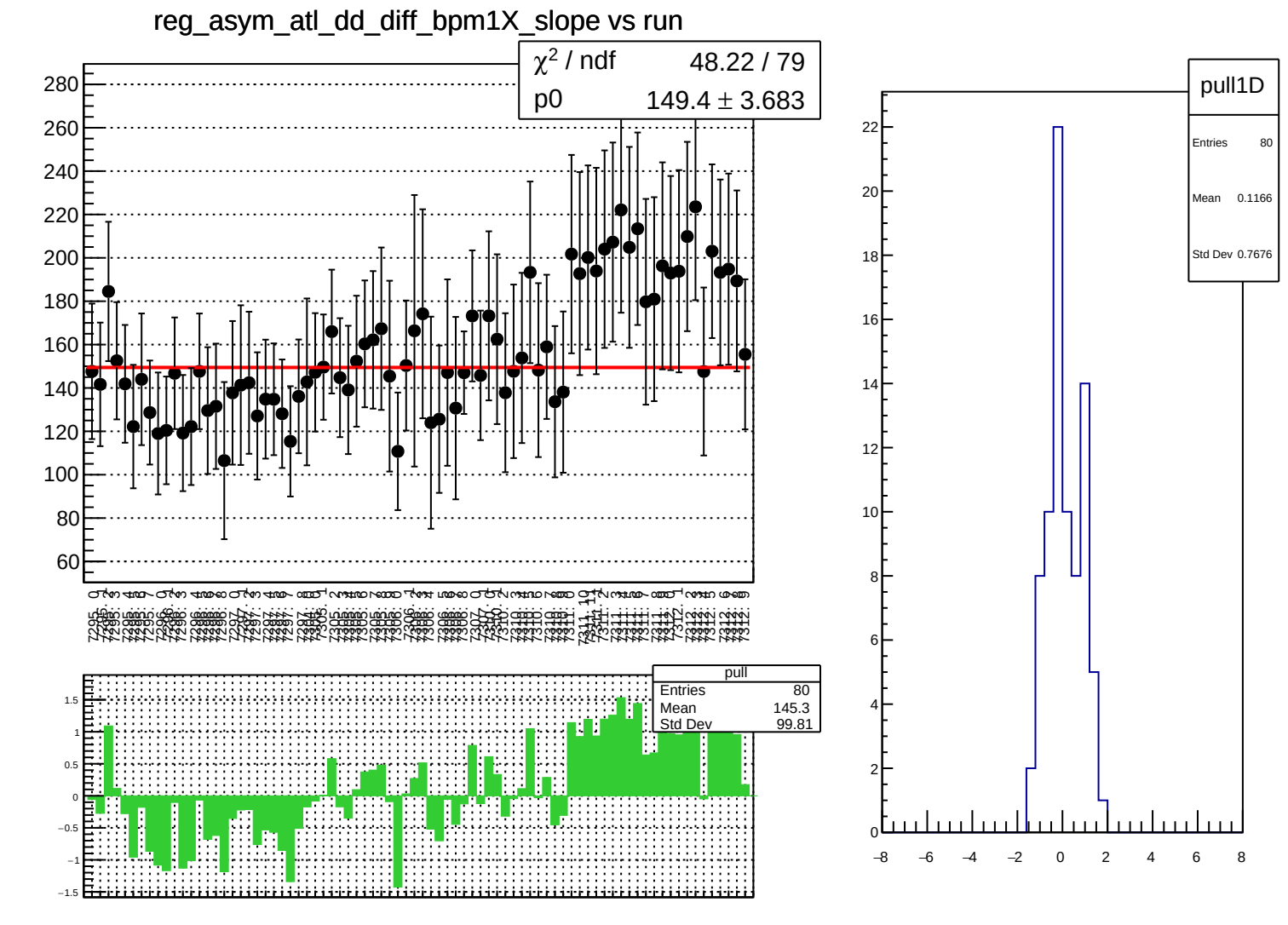

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.46 / 79
p0 121.4 ± 4.044
pull
Entries 80
Mean 134.6
Std Dev 88.16
pull1D
Entries 80
Mean 0.1679
Std Dev 0.9301

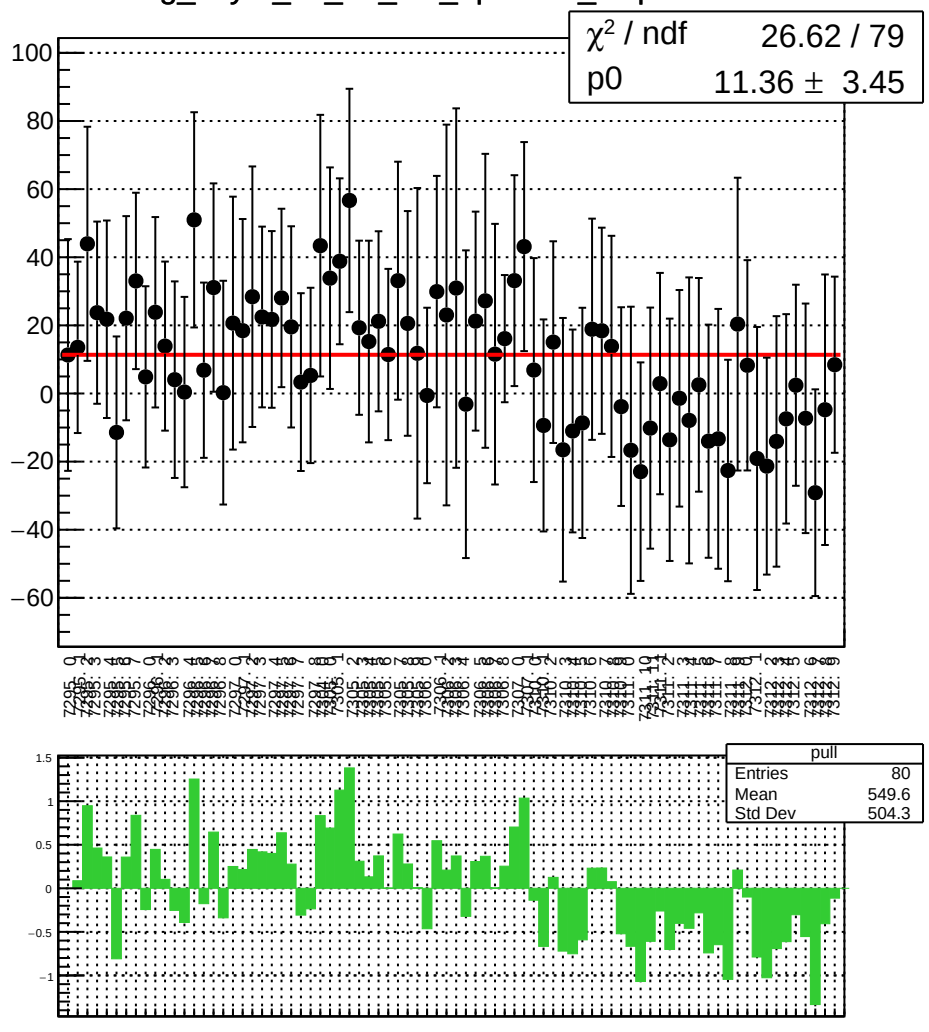

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.41 / 79
p0 67.18 ± 4.112
150
100
50
0
−50
pull
Entries 80
Mean 389.1
Std Dev 346.9
1.5
1
0.5
0
−0.5
−1
−1.5

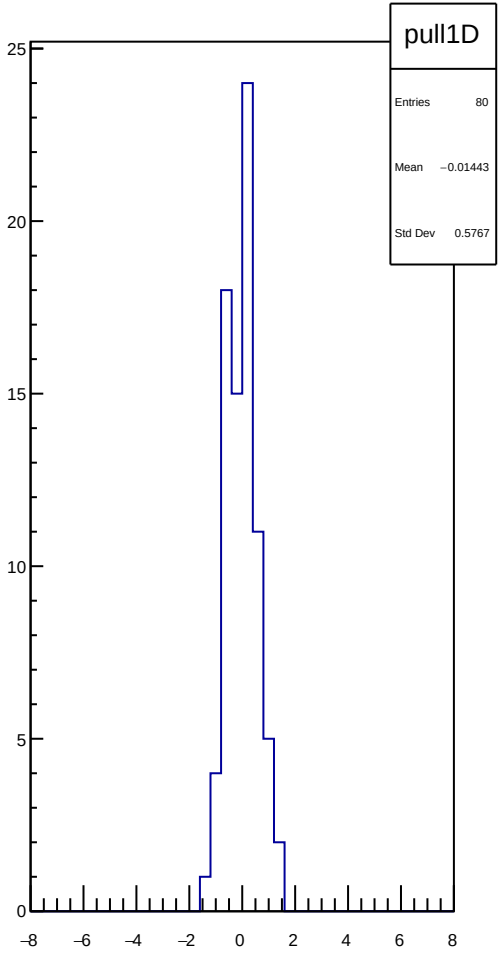

pull1D
Entries 80
Mean −0.03498
Std Dev 0.701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

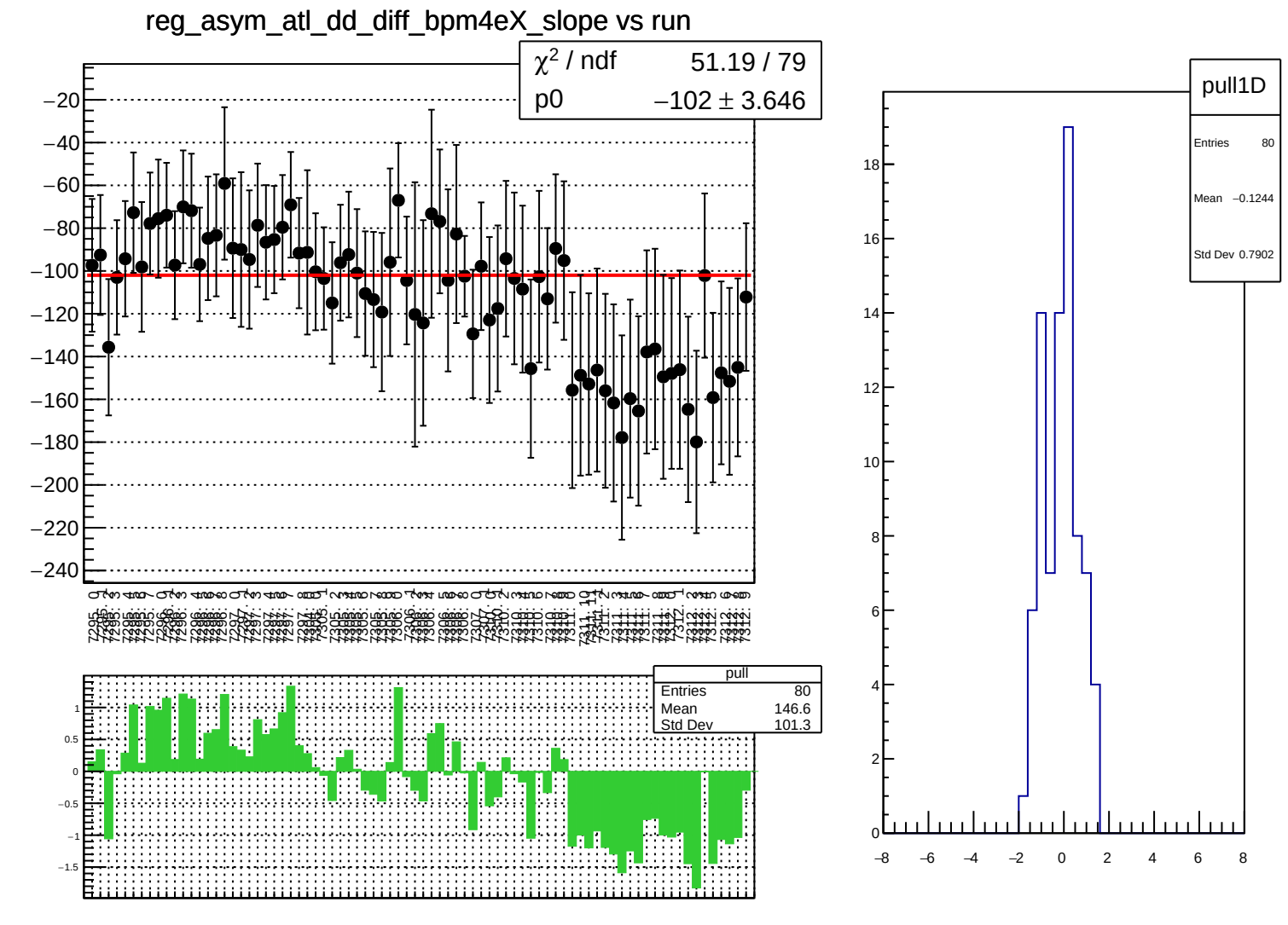

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 380.8 / 79
p0 −118.5 ± 0.1841
−110
−115
−120
−125
−130
pull
Entries 80
Mean 710.1
Std Dev 663.9
4
2
0
−2
−4

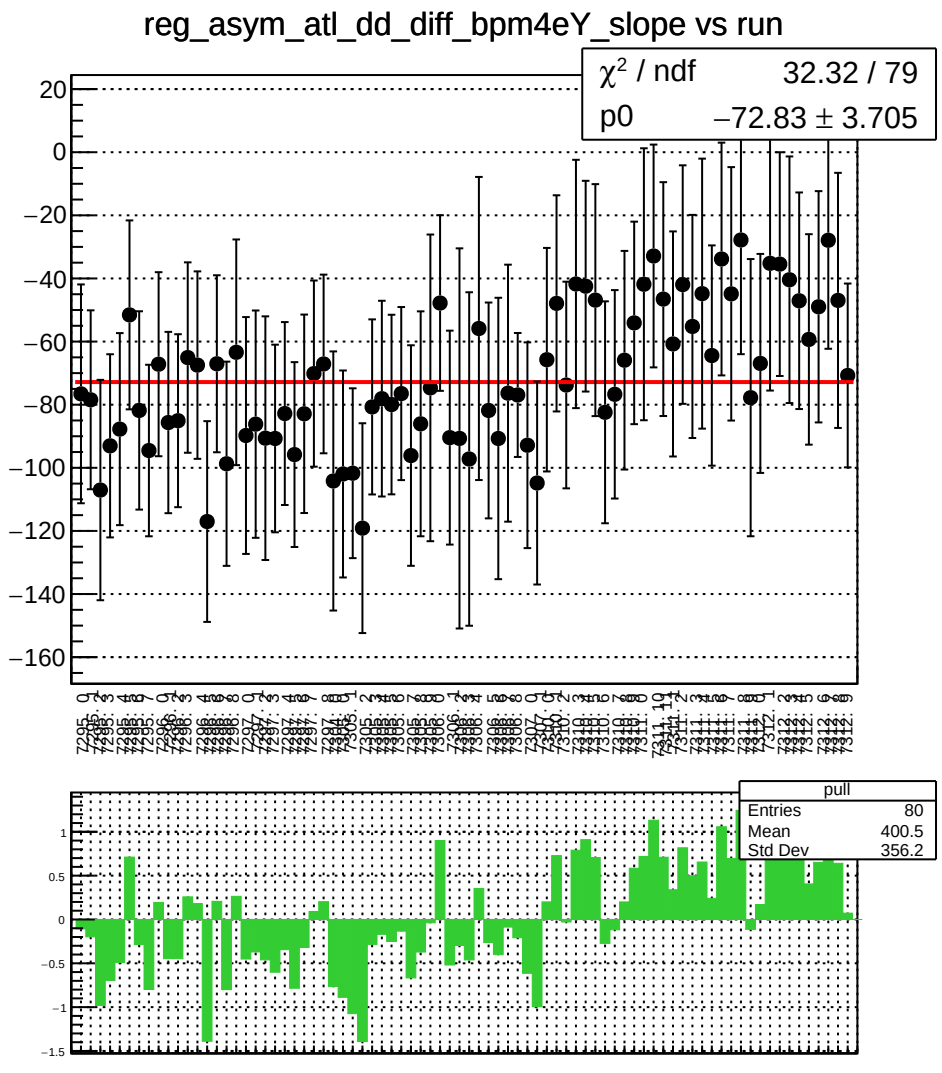

pull1D
Entries 80
Mean 0.04806
Std Dev 2.181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

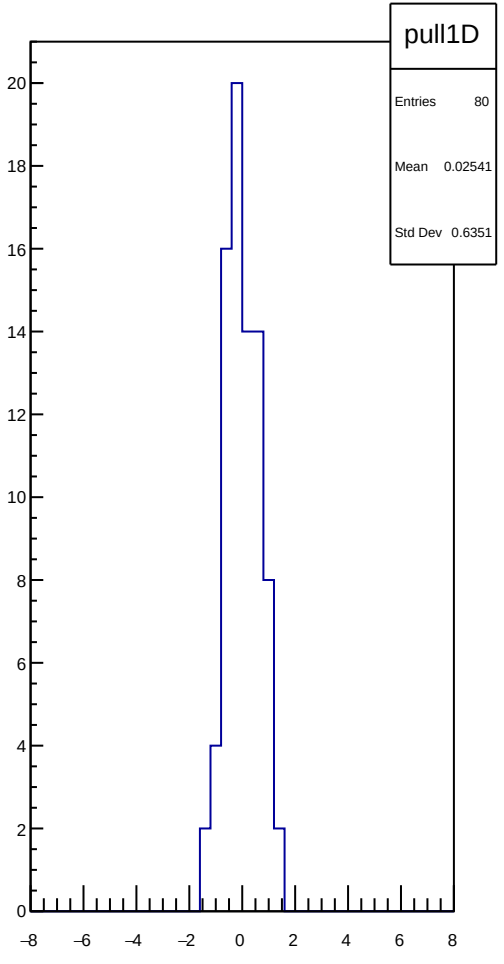

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.22 / 79
p0 149.4 ± 3.683
pull
Entries 80
Mean 145.3
Std Dev 99.81
pull1D
Entries 80
Mean 0.1166
Std Dev 0.7676

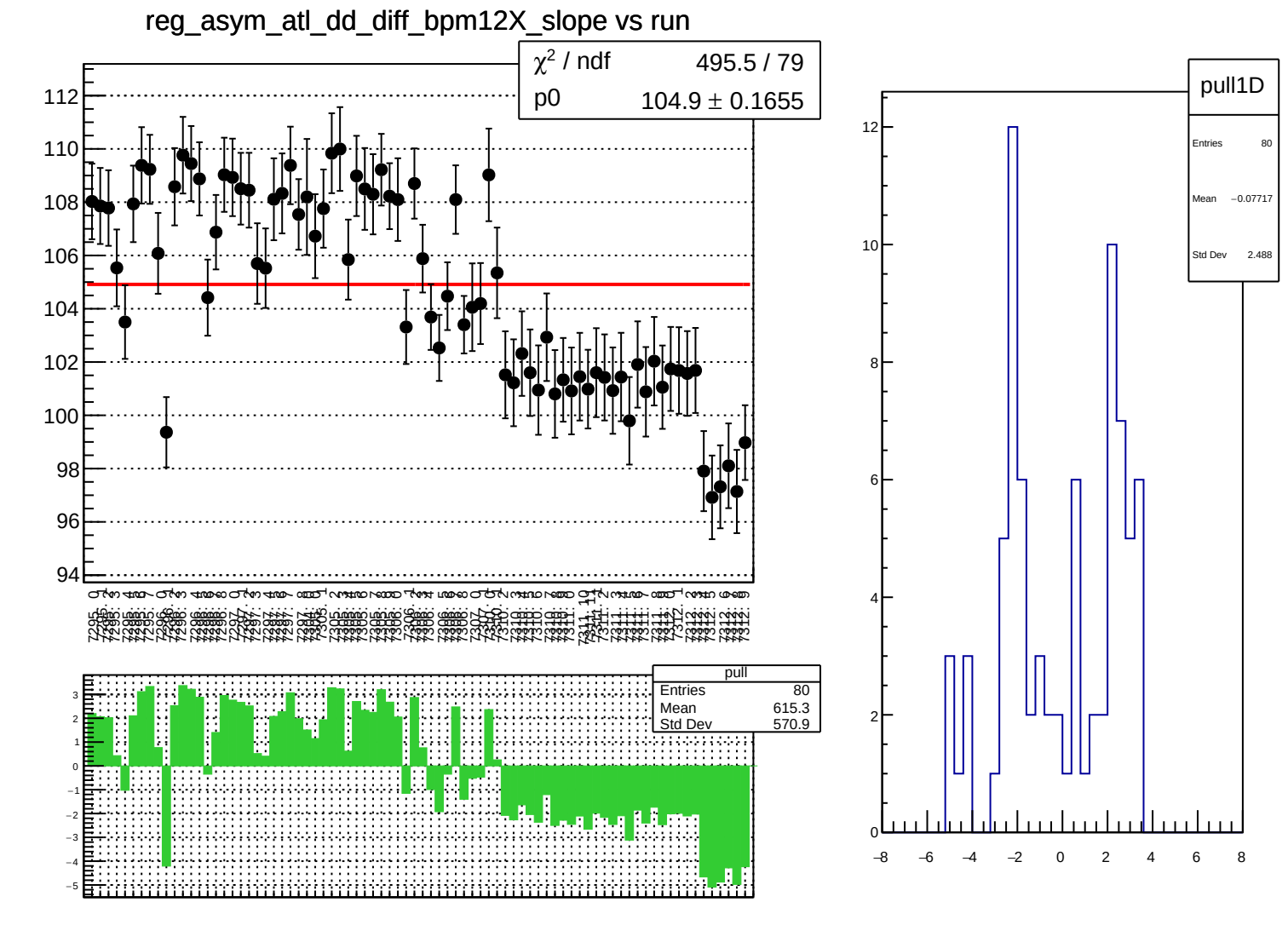

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.62 / 79
p0 11.36 ± 3.45
pull
Entries 80
Mean 549.6
Std Dev 504.3

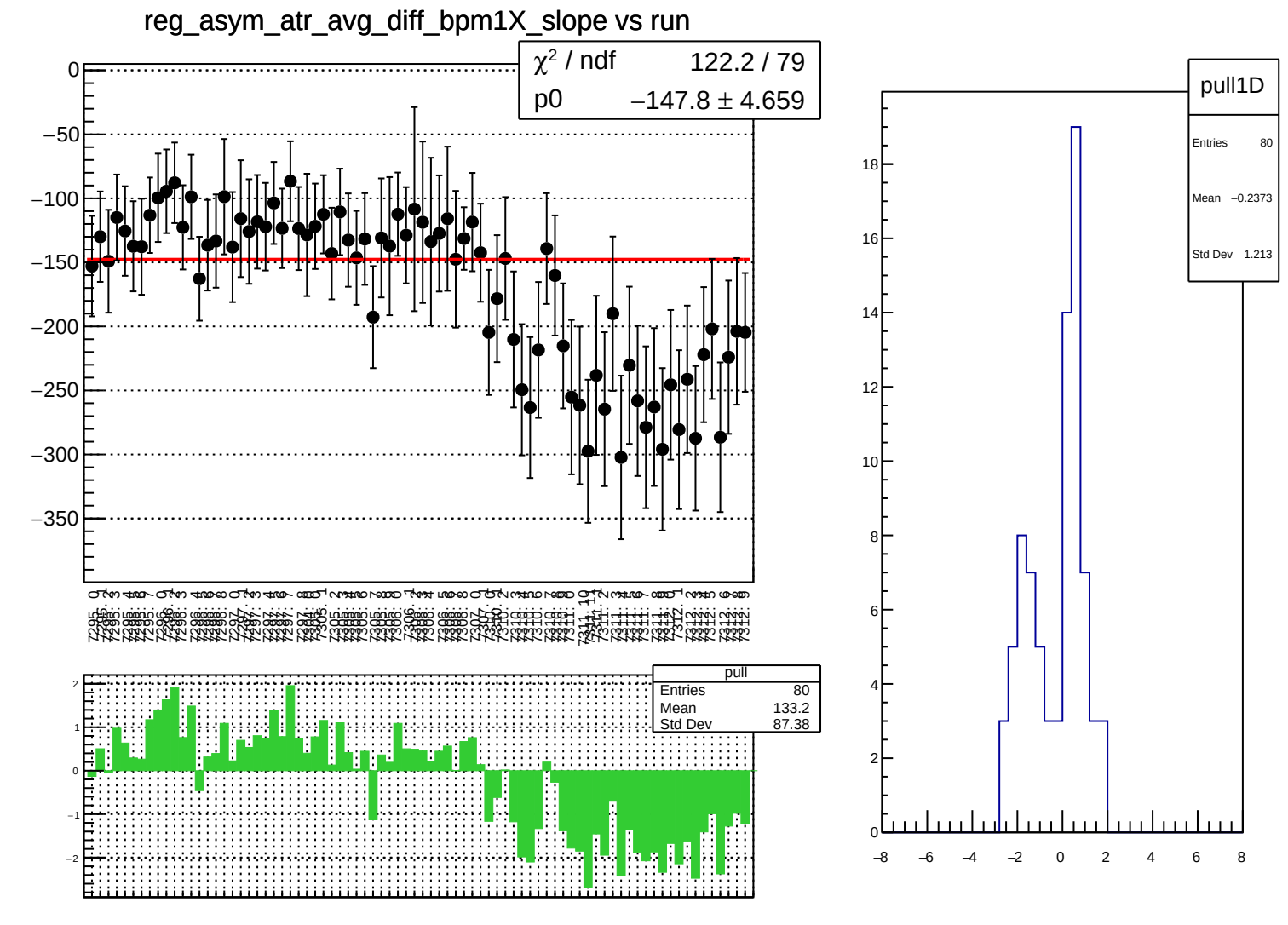

pull1D
Entries 80
Mean −0.01443
Std Dev 0.5767

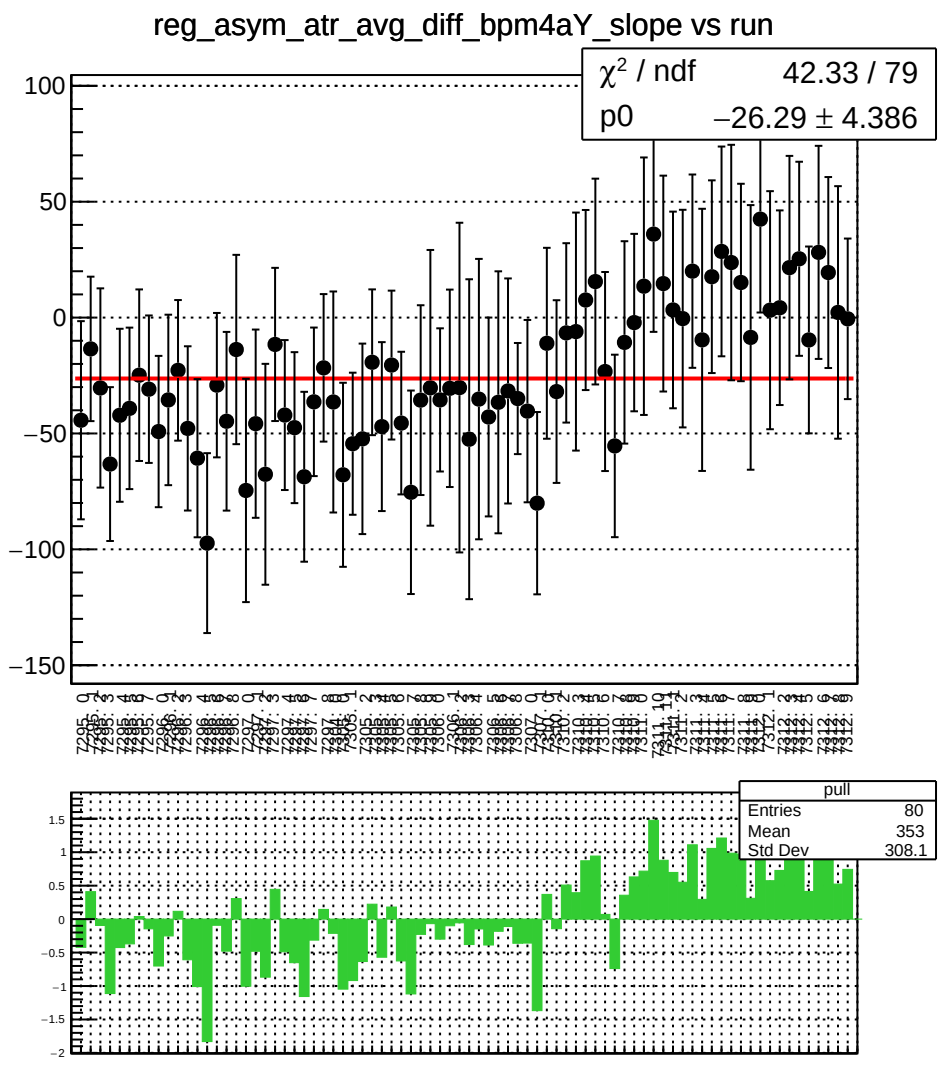

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.19 / 79
p0 −102 ± 3.646
pull
Entries 80
Mean 146.6
Std Dev 101.3
pull1D
Entries 80
Mean −0.1244
Std Dev 0.7902

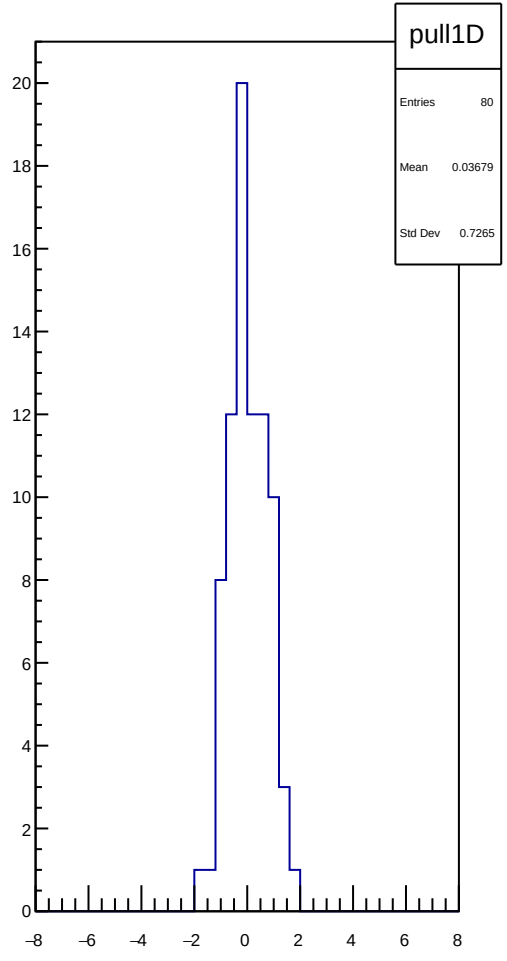

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.32 / 79
p0 −72.83 ± 3.705
pull
Entries 80
Mean 400.5
Std Dev 356.2

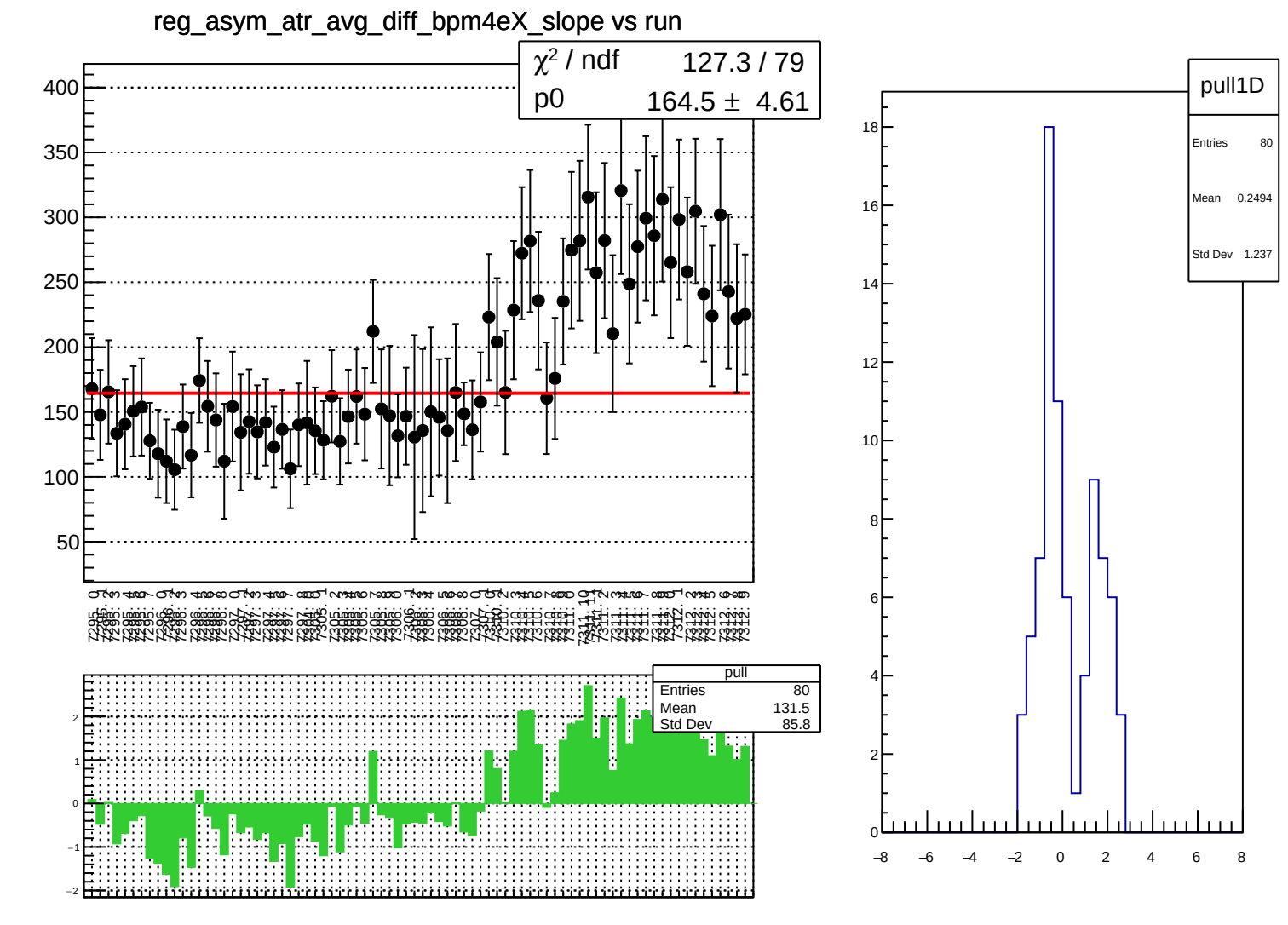

pull1D
Entries 80
Mean 0.02541
Std Dev 0.6351

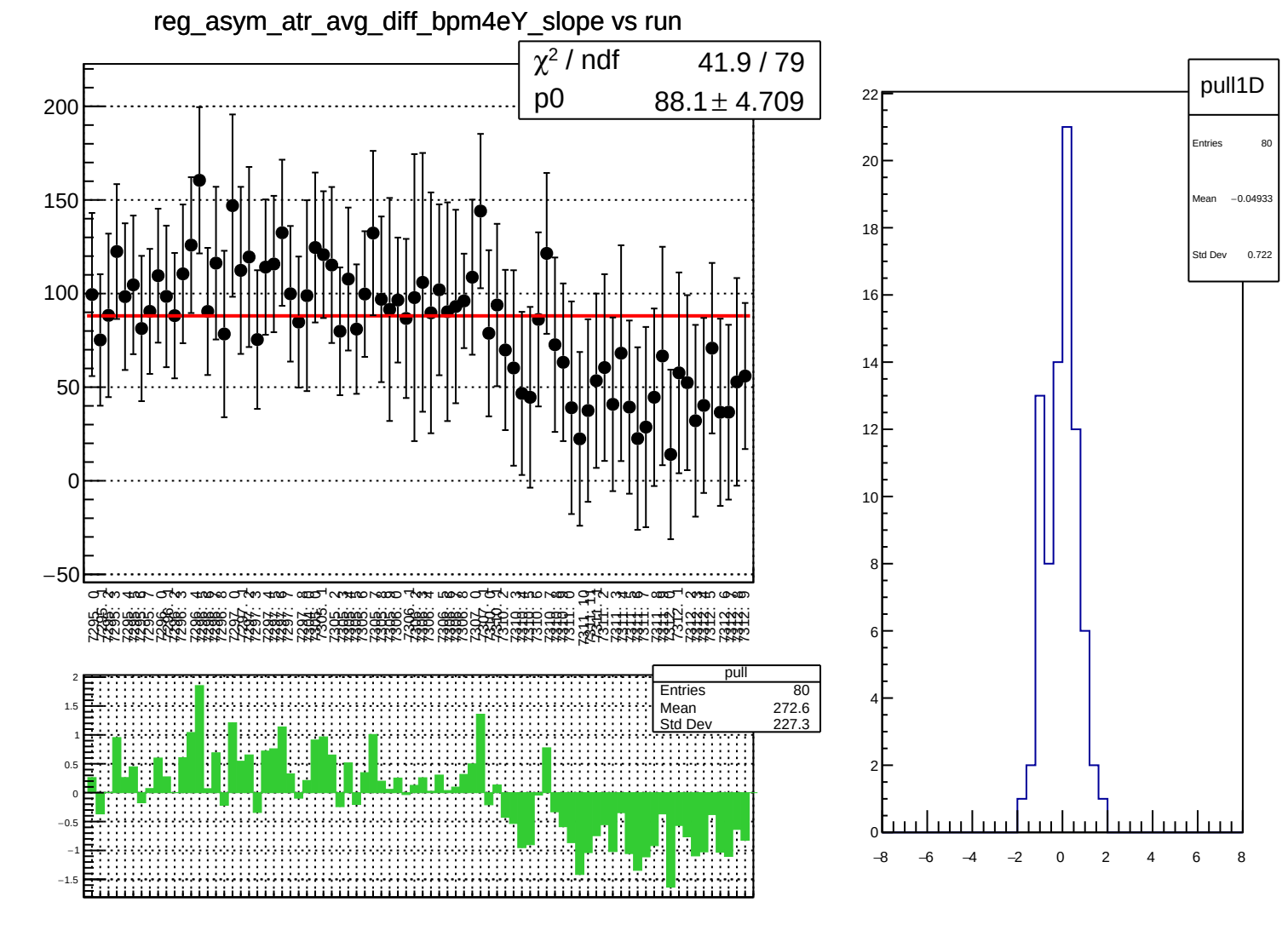

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 495.5 / 79
p0 104.9 ± 0.1655
pull
Entries 80
Mean 615.3
Std Dev 570.9
pull1D
Entries 80
Mean −0.07717
Std Dev 2.488

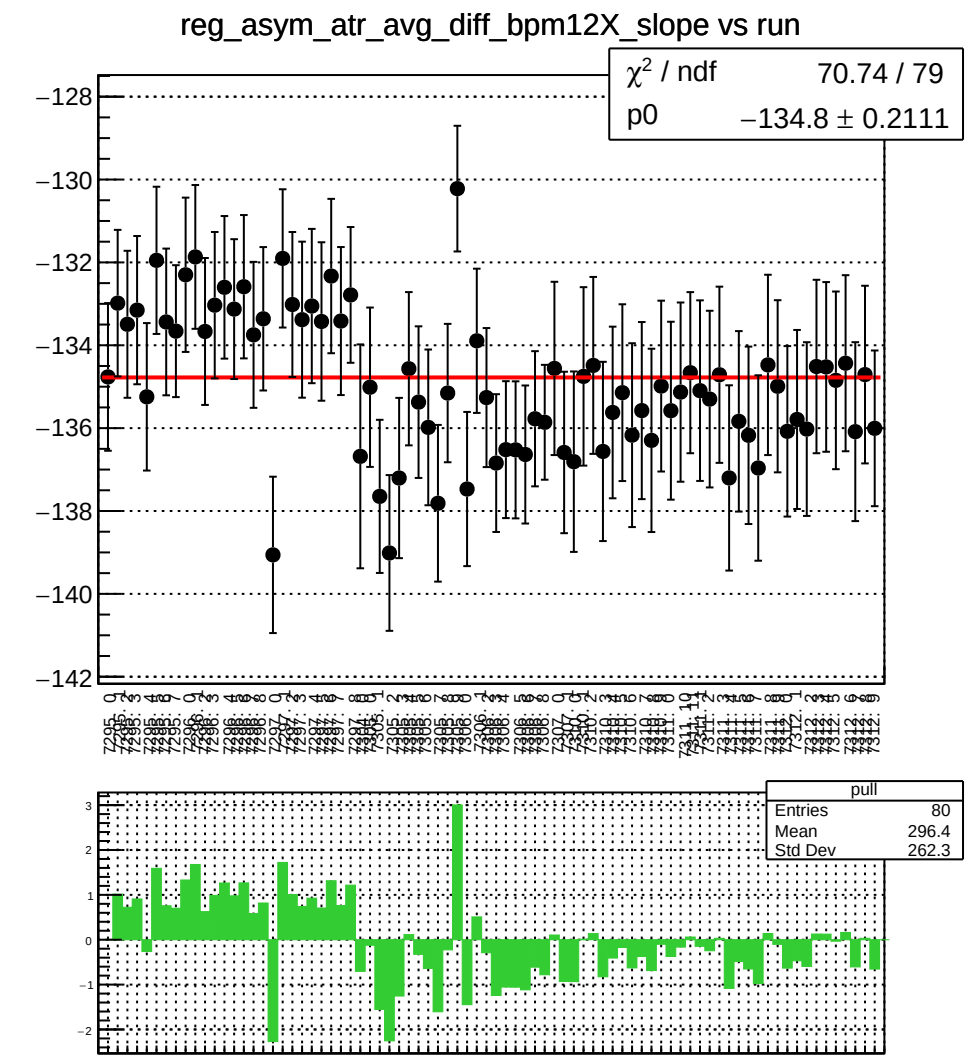

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 122.2 / 79
p0 −147.8 ± 4.659
pull
Entries 80
Mean 133.2
Std Dev 87.38
pull1D
Entries 80
Mean −0.2373
Std Dev 1.213

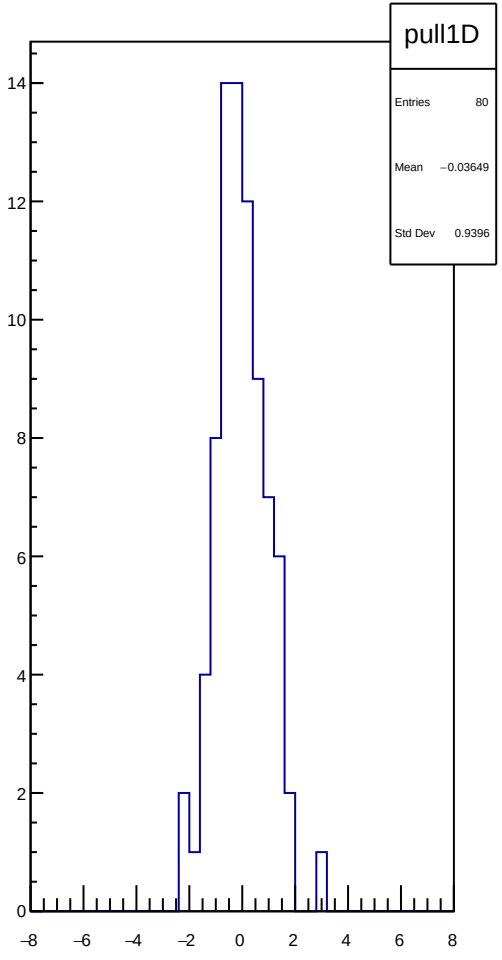

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.33 / 79
p0 −26.29 ± 4.386
pull
Entries 80
Mean 353
Std Dev 308.1

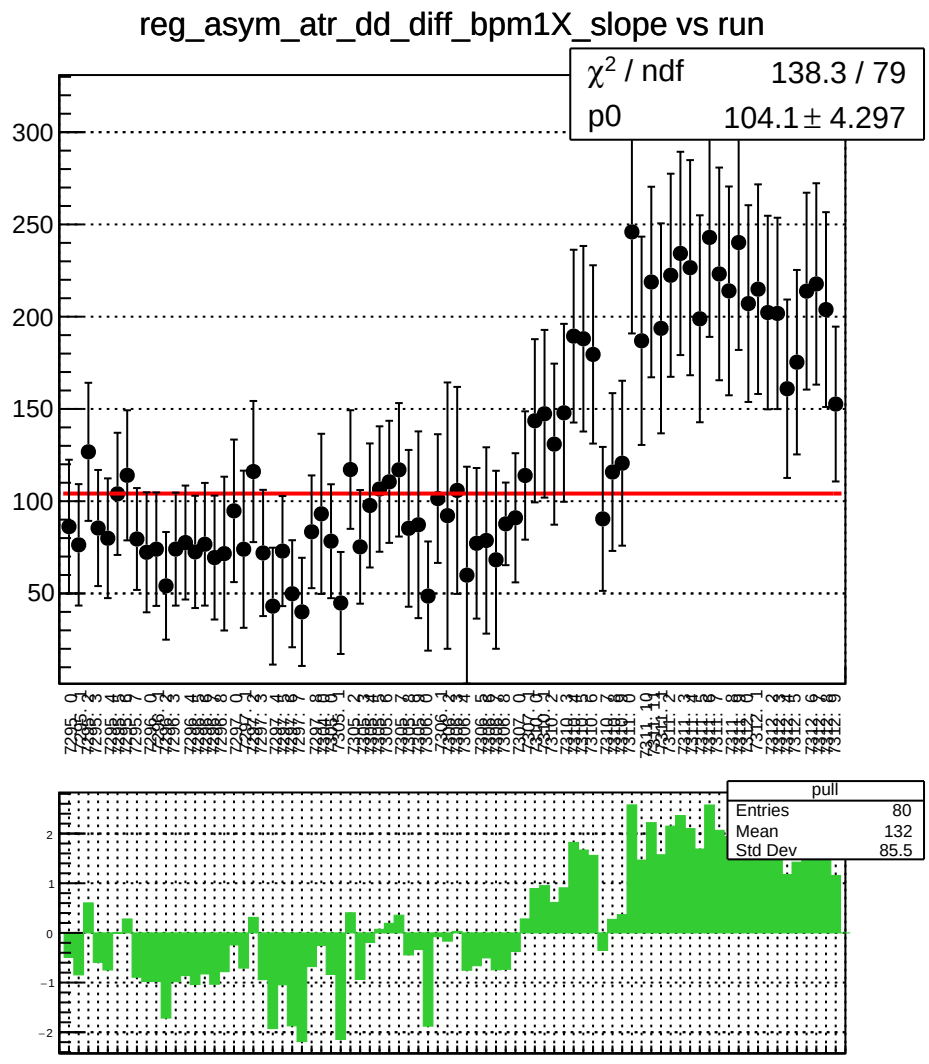

pull1D
Entries 80
Mean 0.03679
Std Dev 0.7265

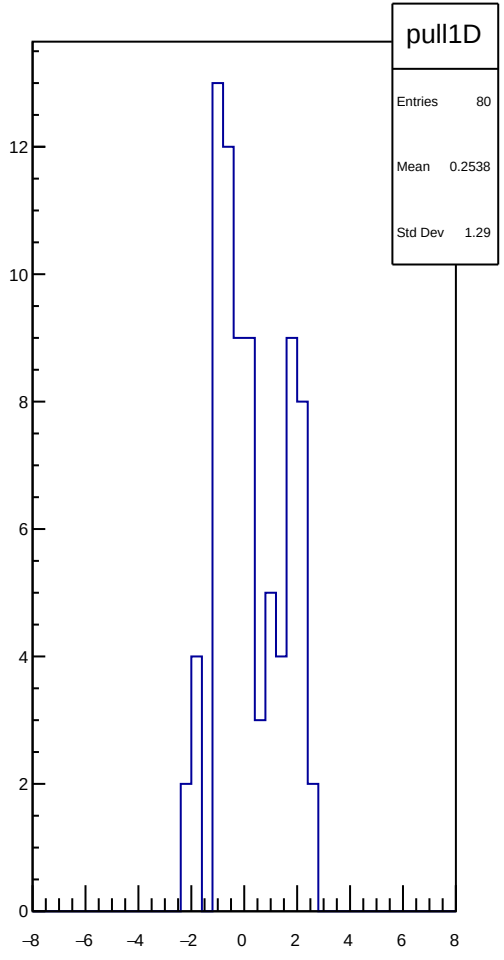

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 127.3 / 79
p0 164.5 ± 4.61
pull
Entries 80
Mean 131.5
Std Dev 85.8
pull1D
Entries 80
Mean 0.2494
Std Dev 1.237

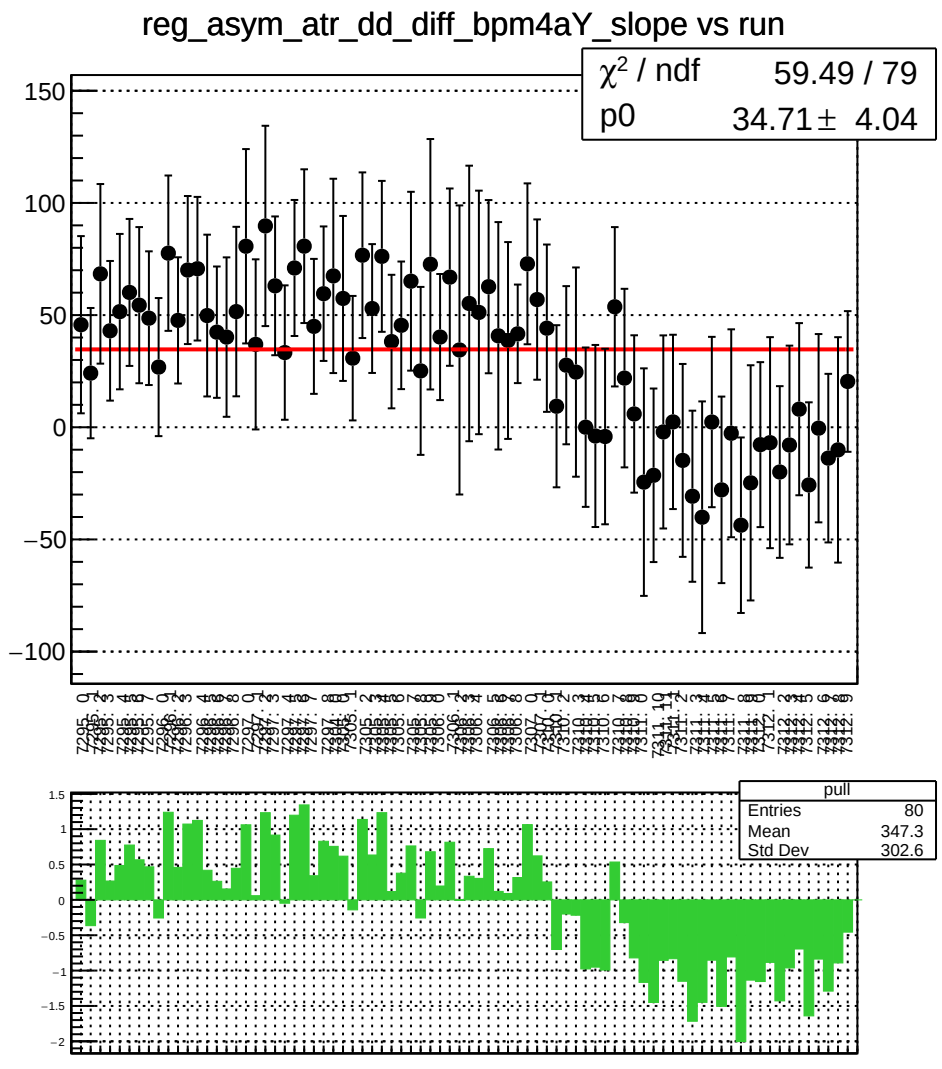

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.9 / 79
p0 88.1 ± 4.709
pull
Entries 80
Mean 272.6
Std Dev 227.3
pull1D
Entries 80
Mean −0.04933
Std Dev 0.722

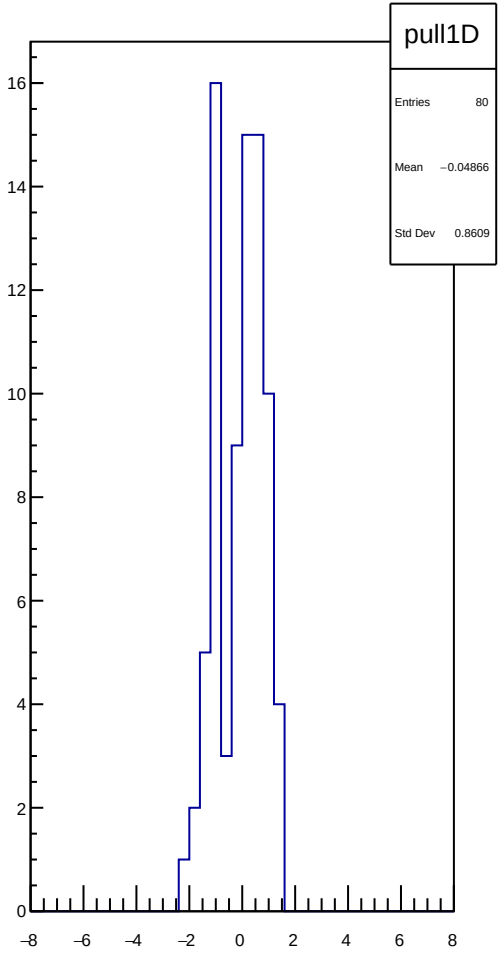

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 70.74 / 79
p0 −134.8 ± 0.2111
pull
Entries 80
Mean 296.4
Std Dev 262.3

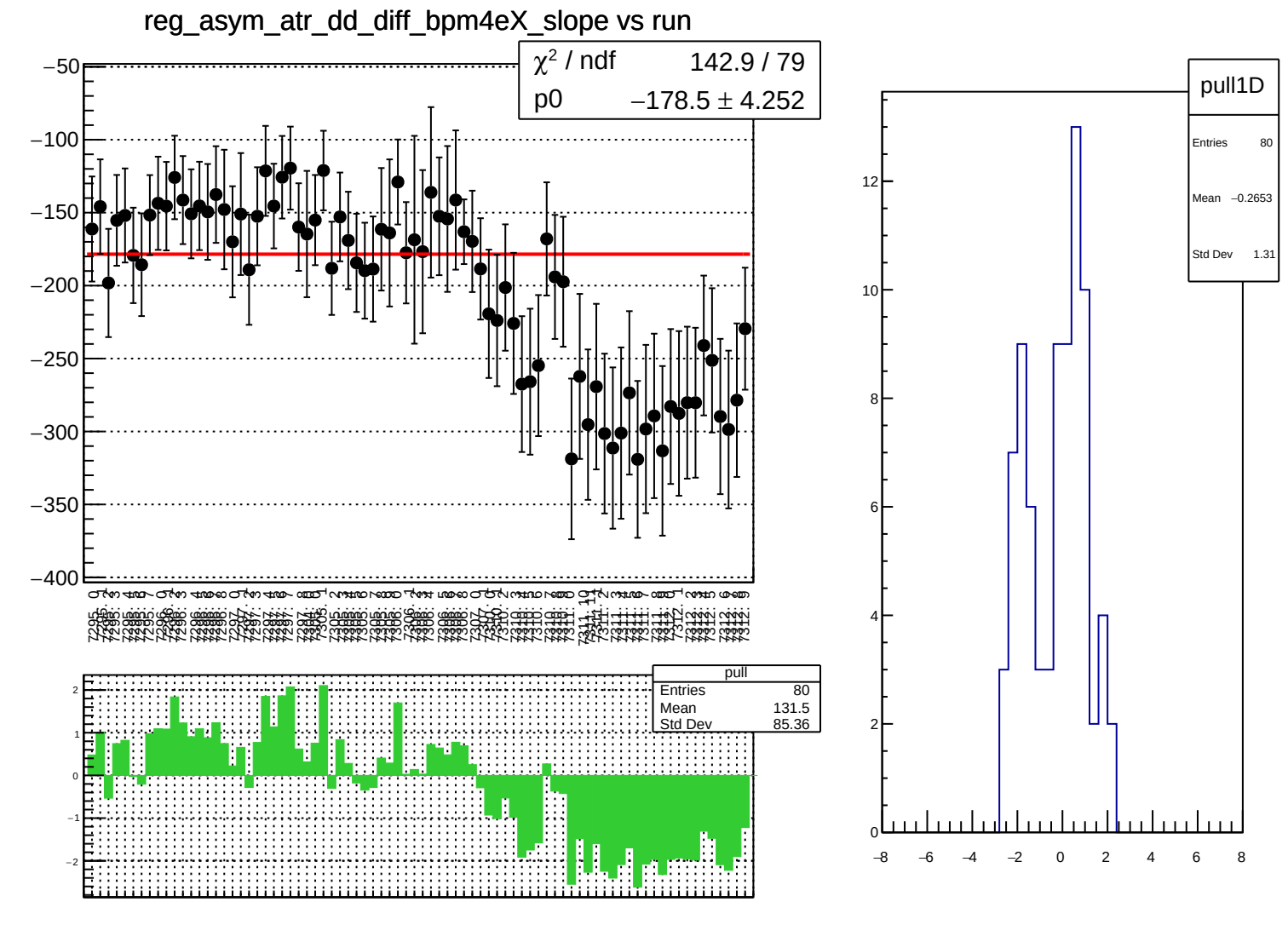

pull1D
Entries 80
Mean −0.03649
Std Dev 0.9396

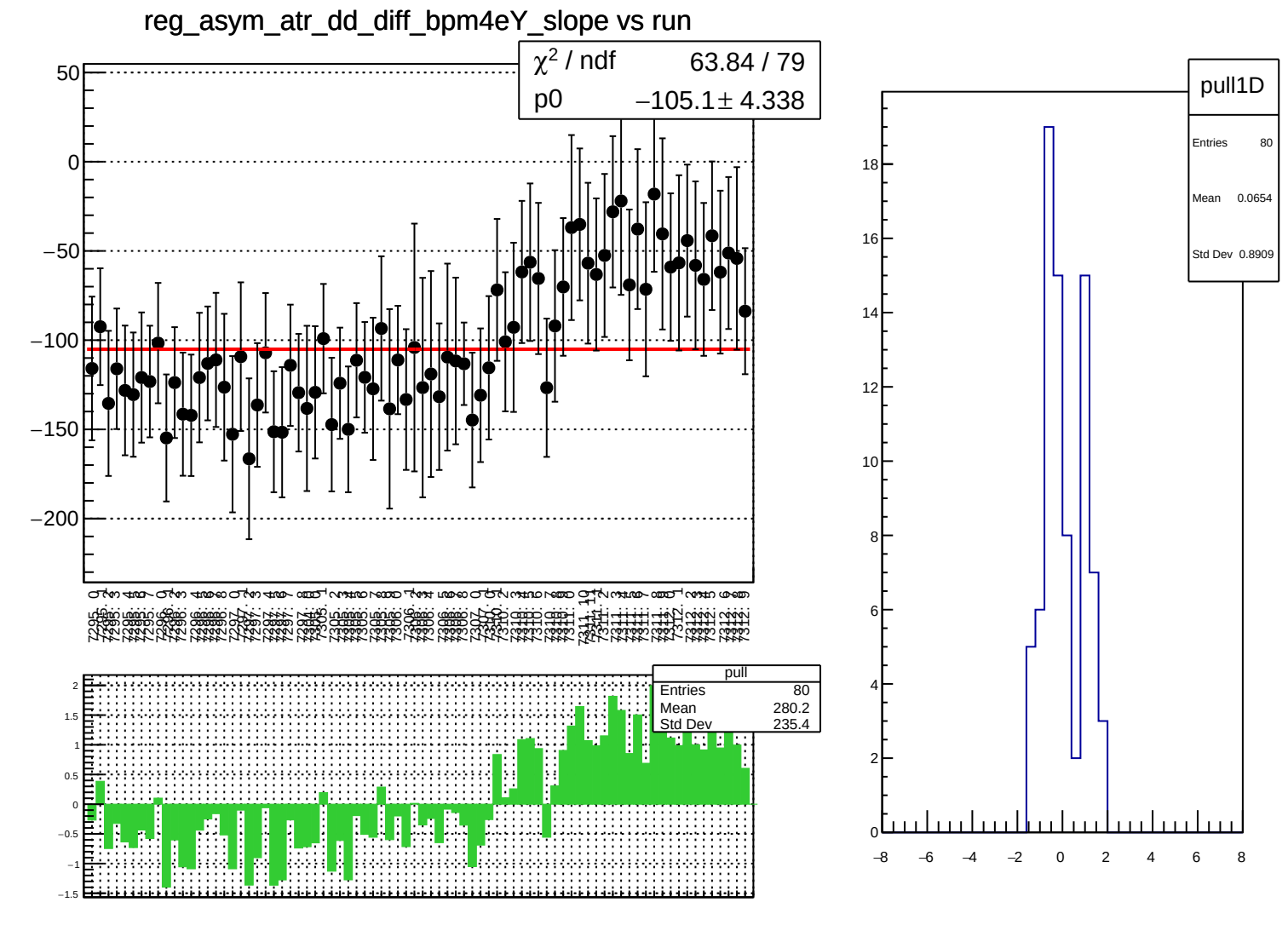

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 138.3 / 79
p0 104.1 ± 4.297
300
250
200
150
100
50
pull
Entries 80
Mean 132
Std Dev 85.5
2
1
0
−1
−2

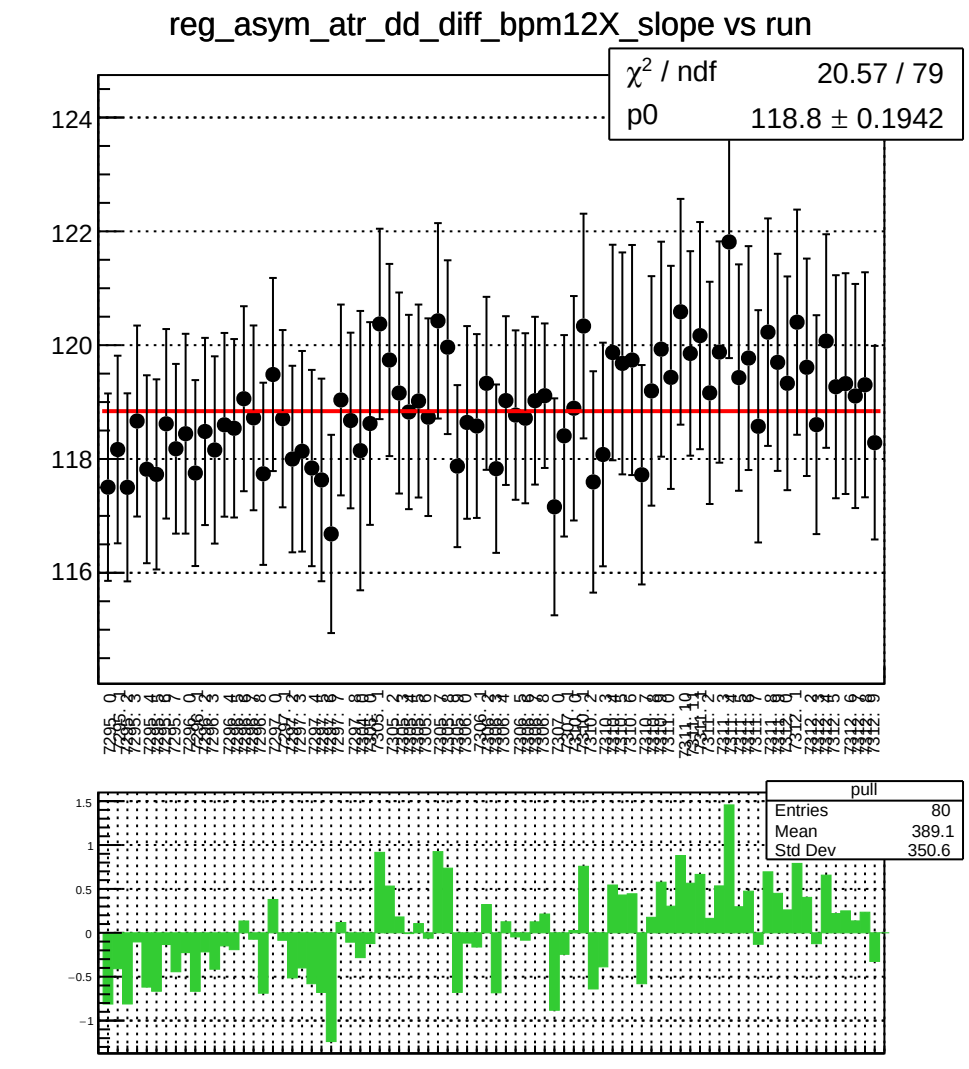

pull1D
Entries 80
Mean 0.2538
Std Dev 1.29
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

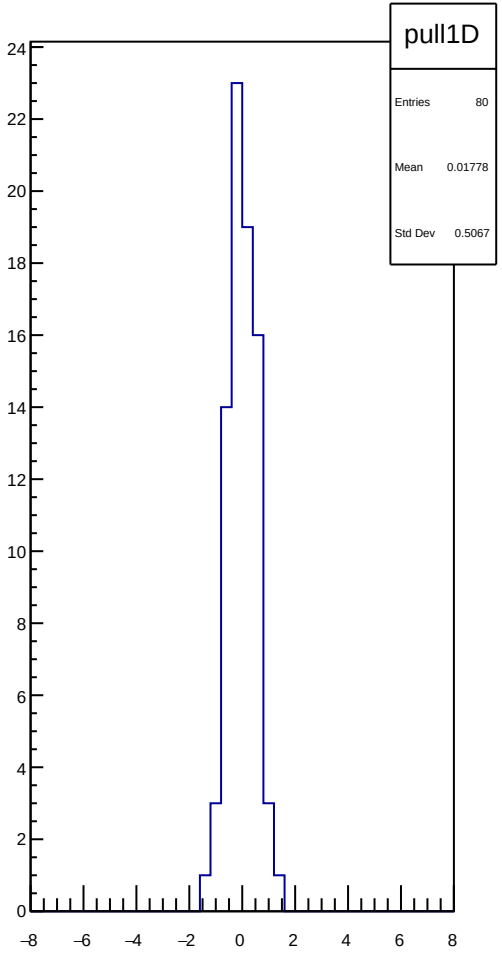

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.49 / 79
p0 34.71 ± 4.04
150
100
50
0
−50
−100
pull
Entries 80
Mean 347.3
Std Dev 302.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

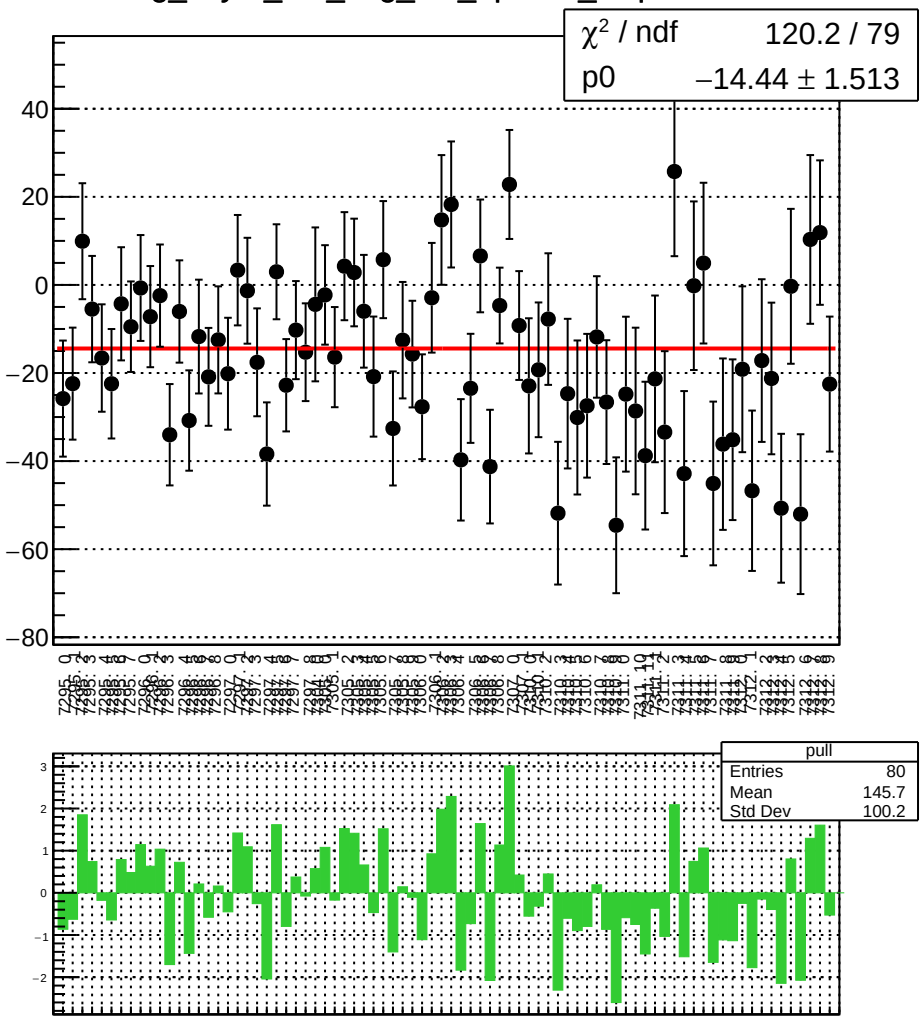

pull1D
Entries 80
Mean −0.04866
Std Dev 0.8609
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

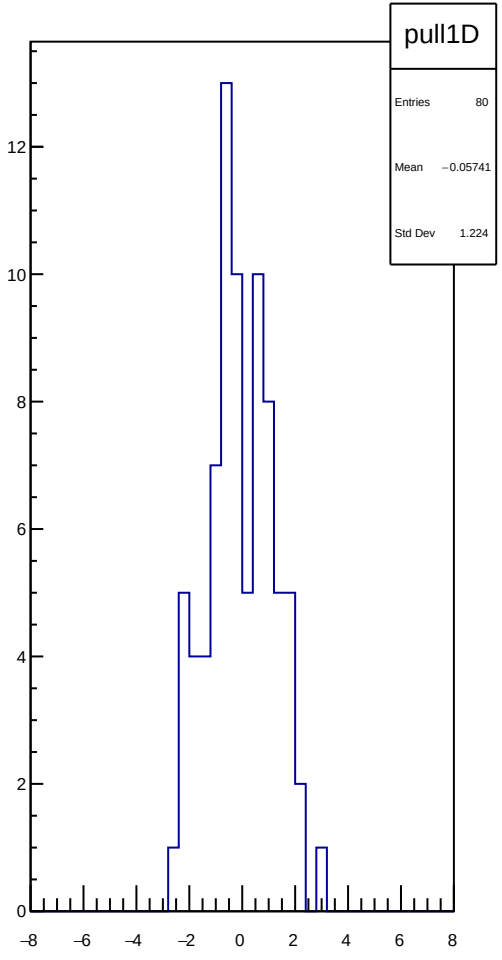

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 142.9 / 79
p0 −178.5 ± 4.252
pull
Entries 80
Mean 131.5
Std Dev 85.36
pull1D
Entries 80
Mean −0.2653
Std Dev 1.31

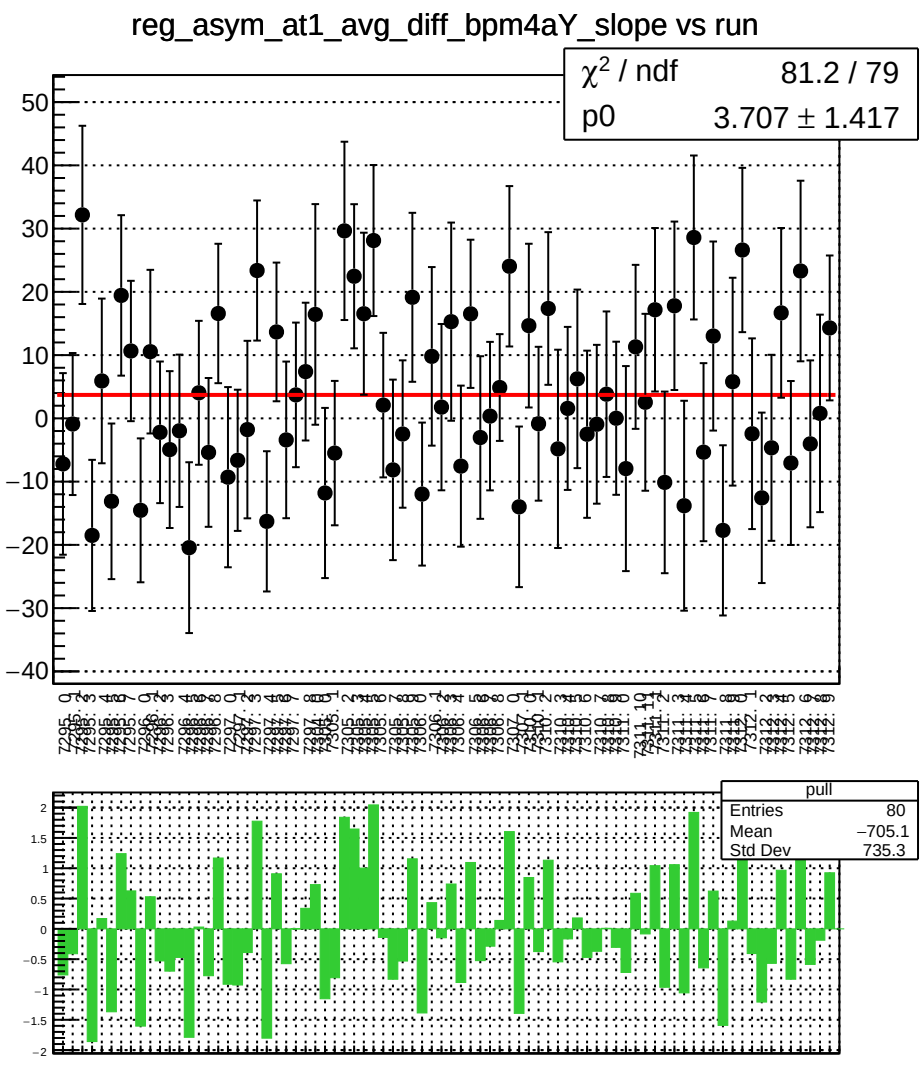

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.84 / 79
p0 −105.1 ± 4.338
pull
Entries 80
Mean 280.2
Std Dev 235.4
pull1D
Entries 80
Mean 0.0654
Std Dev 0.8909

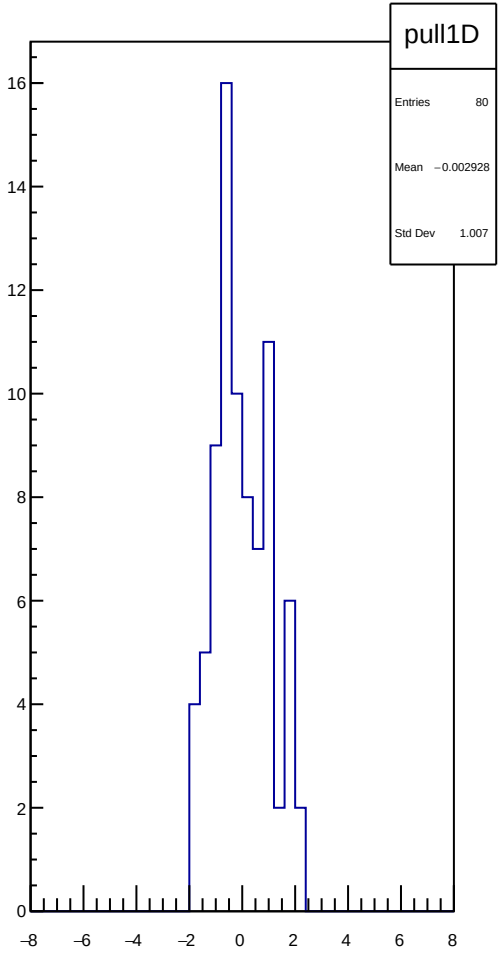

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 20.57 / 79
p0 118.8 ± 0.1942
pull
Entries 80
Mean 389.1
Std Dev 350.6

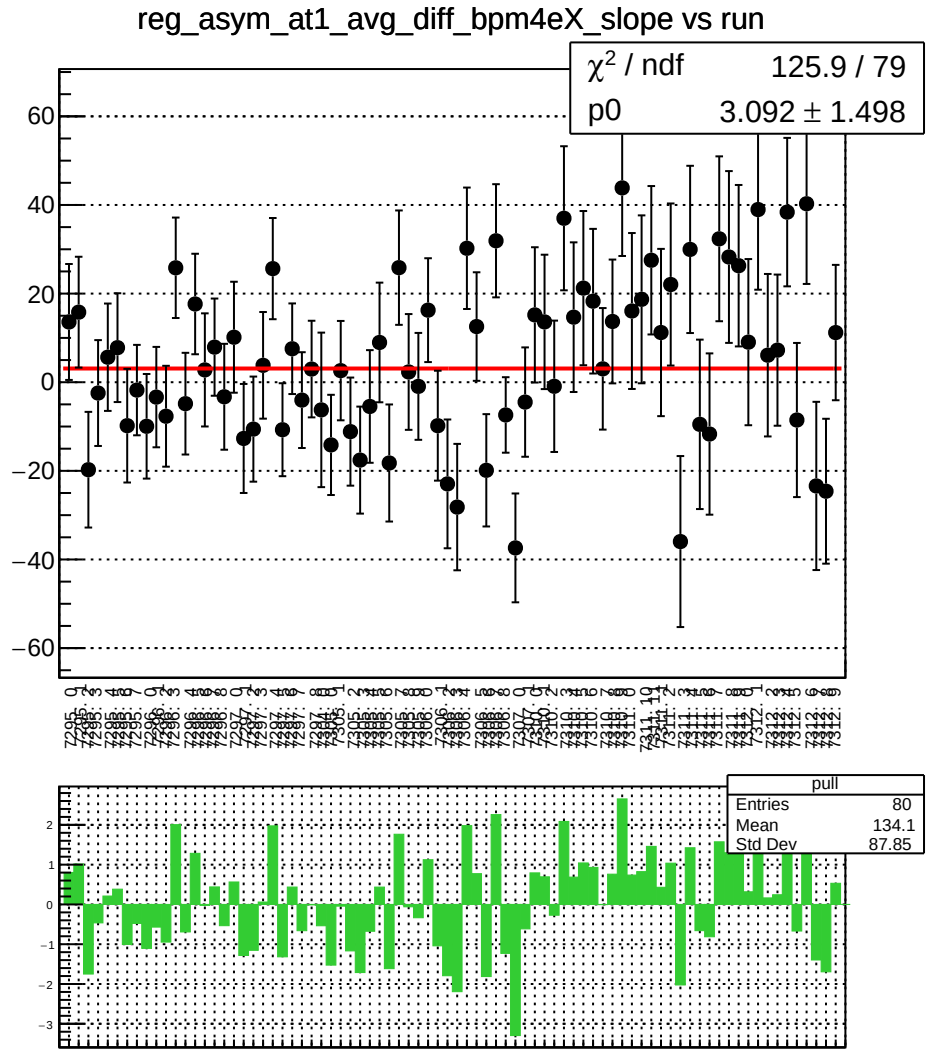

pull1D
Entries 80
Mean 0.01778
Std Dev 0.5067

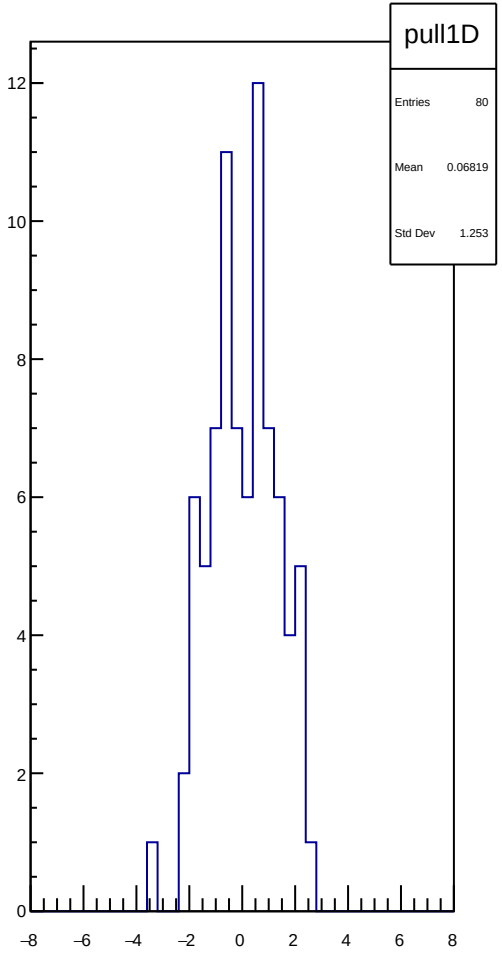

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 120.2 / 79
p0 −14.44 ± 1.513
pull
Entries 80
Mean 145.7
Std Dev 100.2

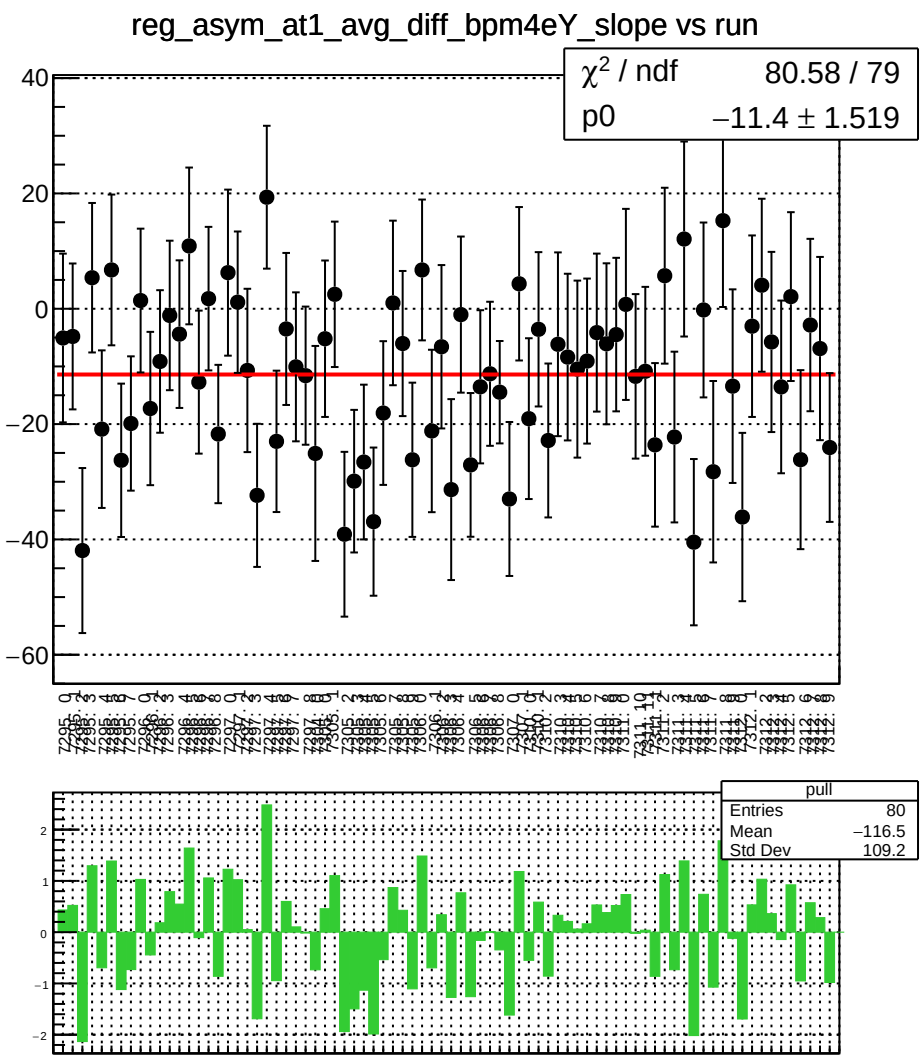

pull1D
Entries 80
Mean −0.05741
Std Dev 1.224

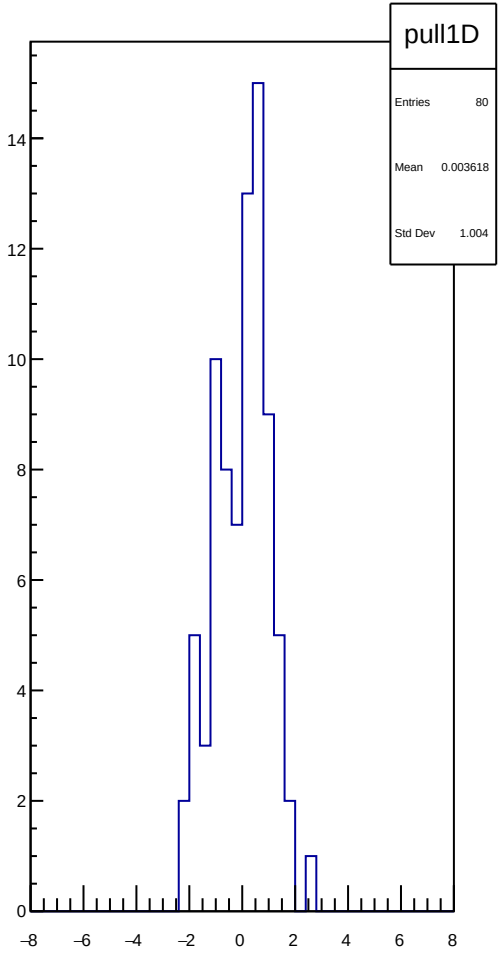

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.2 / 79
p0 3.707 ± 1.417
pull
Entries 80
Mean −705.1
Std Dev 735.3

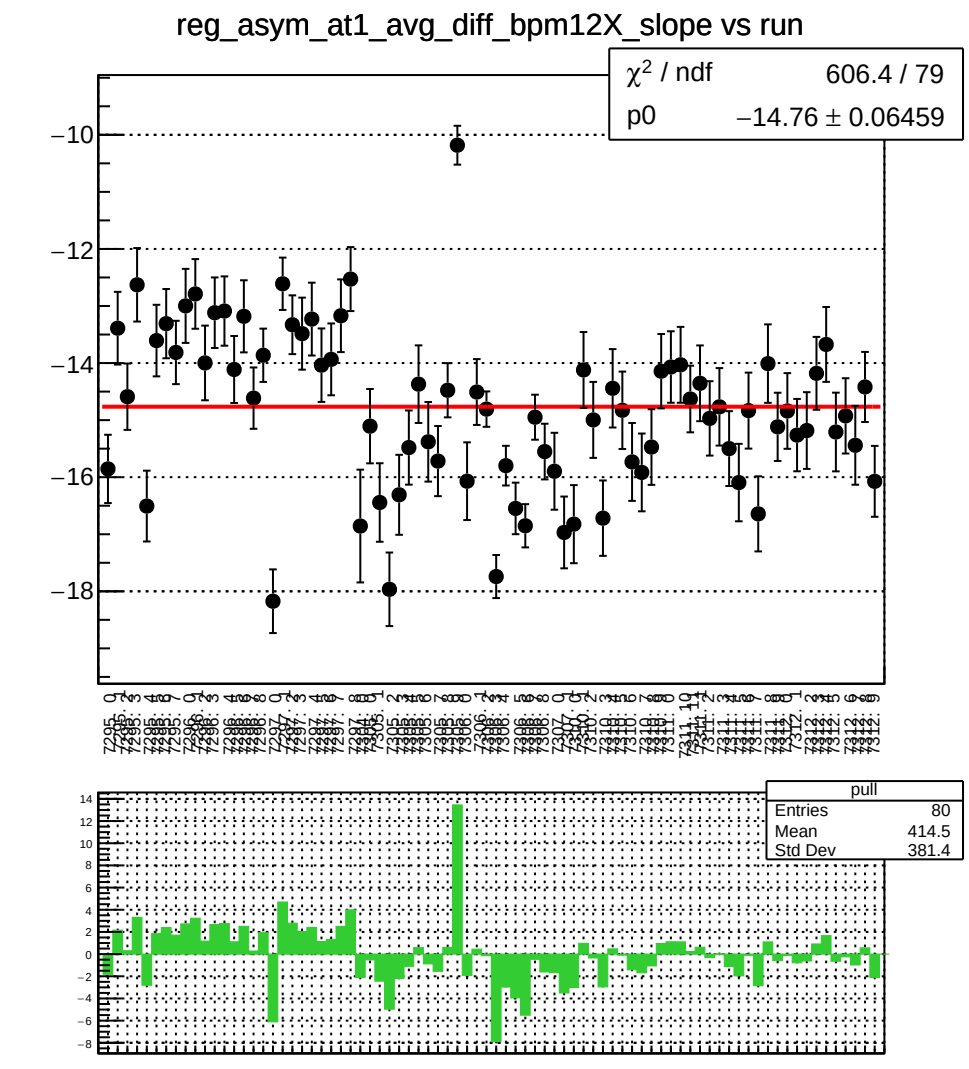

pull1D
Entries 80
Mean −0.002928
Std Dev 1.007

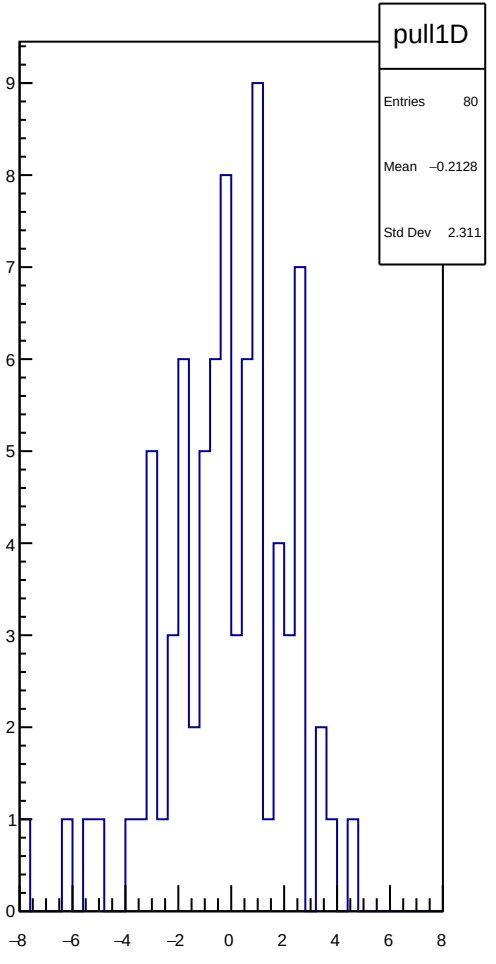

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 125.9 / 79
p0 3.092 ± 1.498
pull
Entries 80
Mean 134.1
Std Dev 87.85

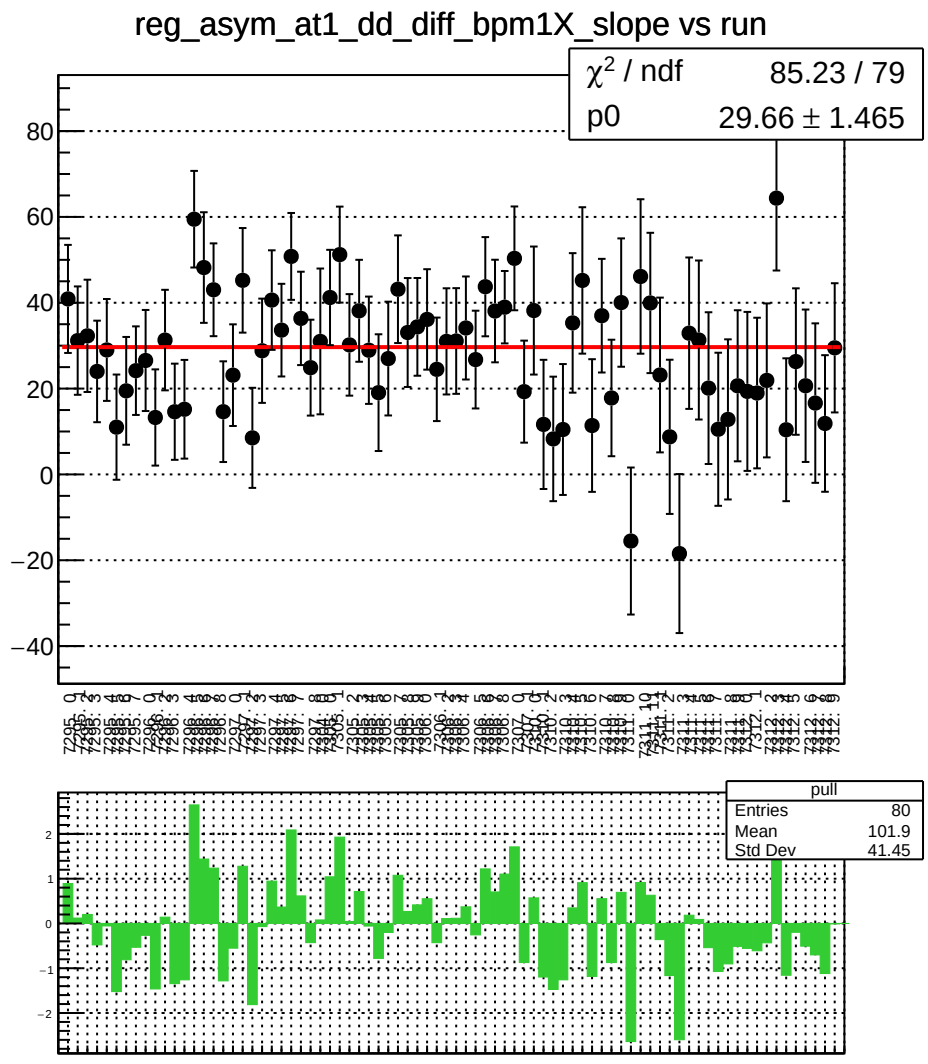

pull1D
Entries 80
Mean 0.06819
Std Dev 1.253

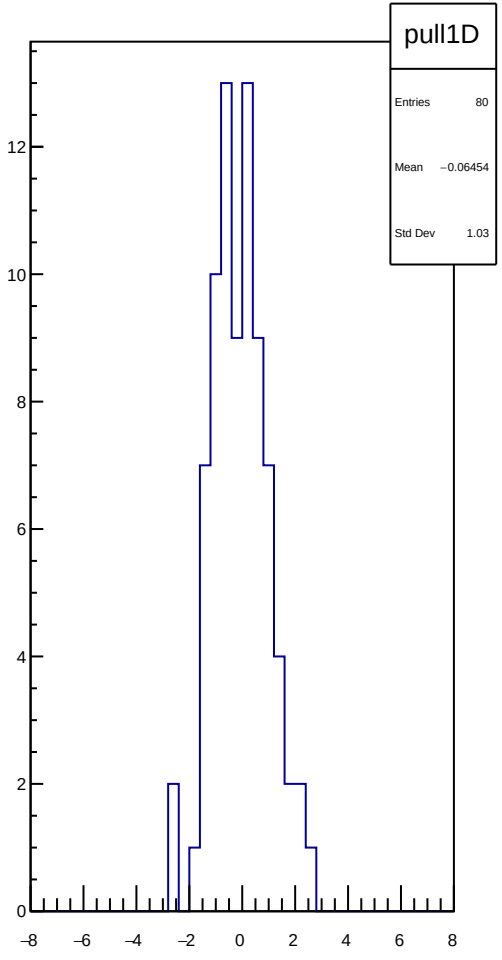

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.58 / 79
p0 −11.4 ± 1.519
pull
Entries 80
Mean −116.5
Std Dev 109.2

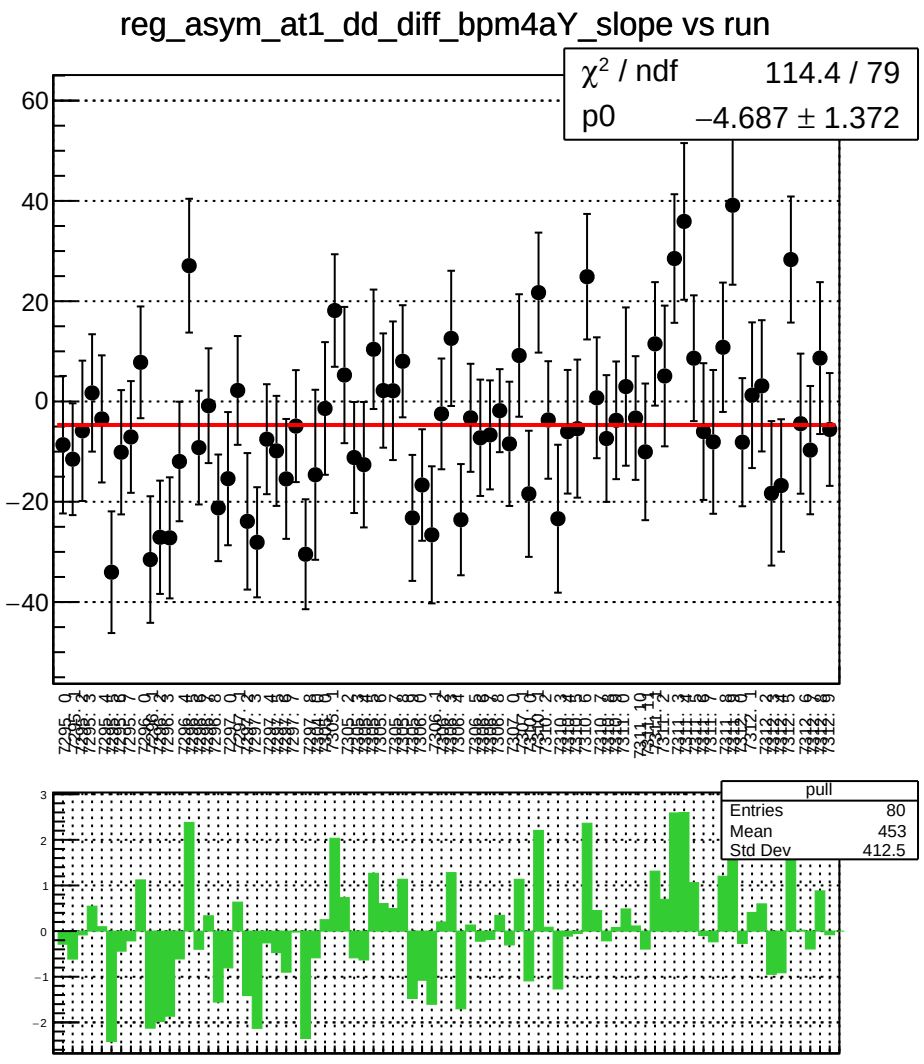

pull1D
Entries 80
Mean 0.003618
Std Dev 1.004

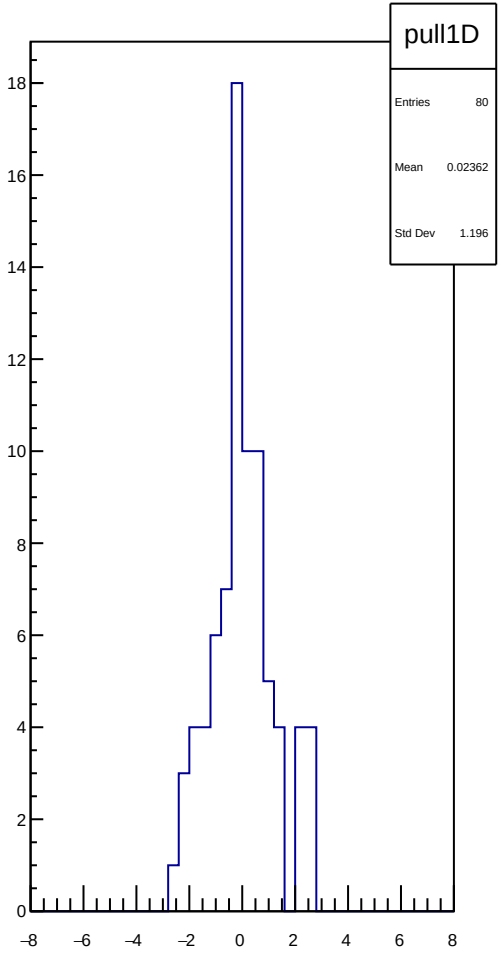

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 606.4 / 79
p0 −14.76 ± 0.06459
pull
Entries 80
Mean 414.5
Std Dev 381.4

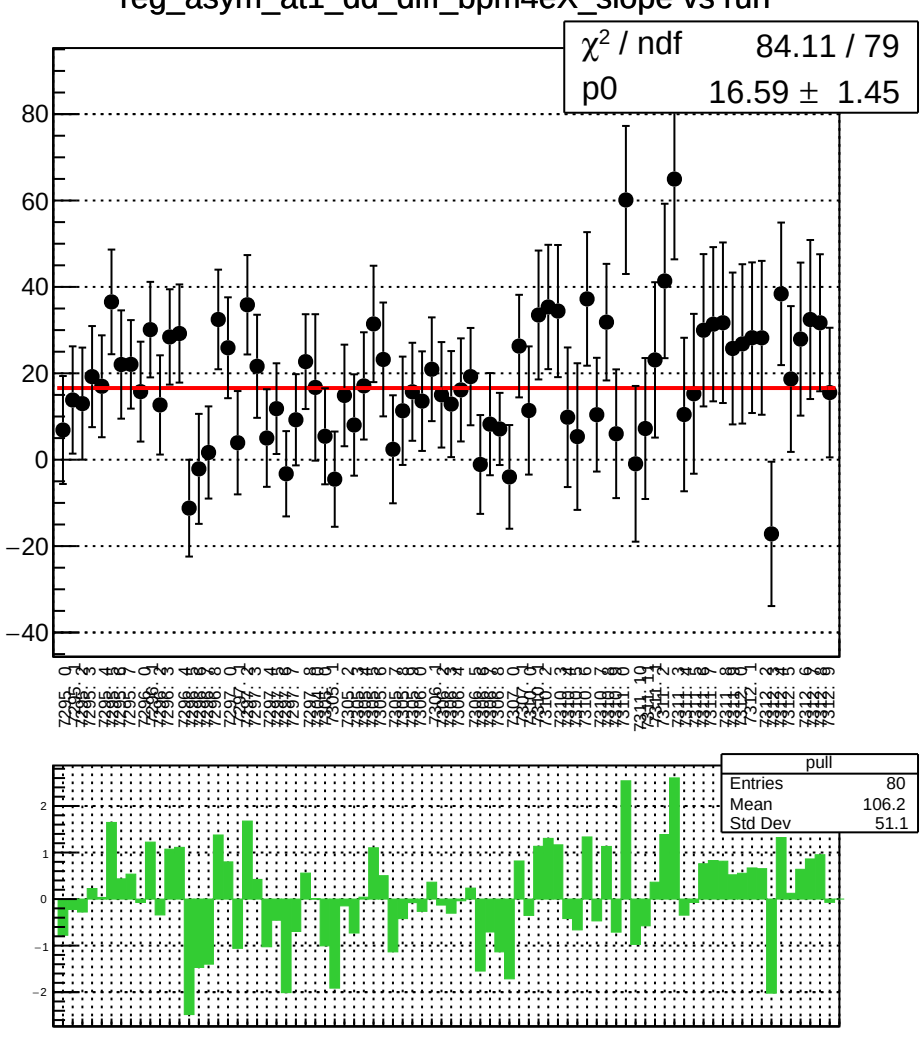

pull1D
Entries 80
Mean −0.2128
Std Dev 2.311

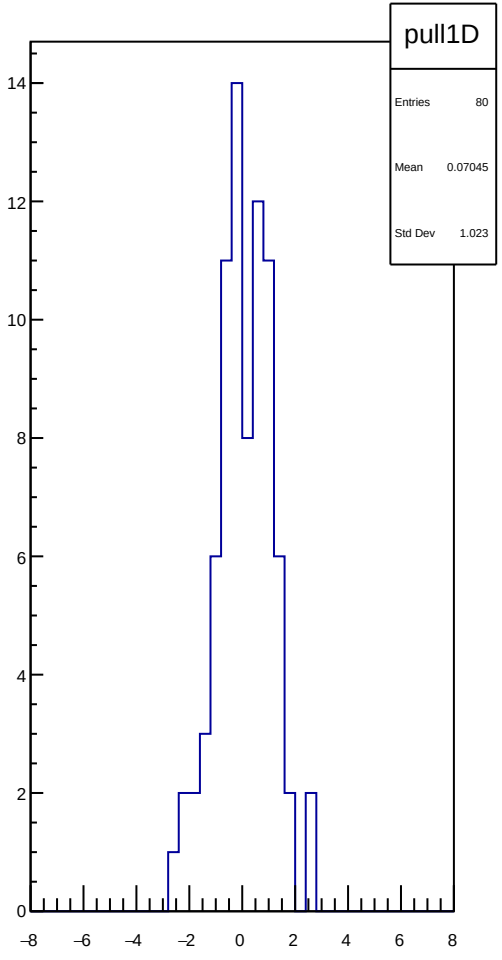

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 85.23 / 79
p0 29.66 ± 1.465
pull
Entries 80
Mean 101.9
Std Dev 41.45

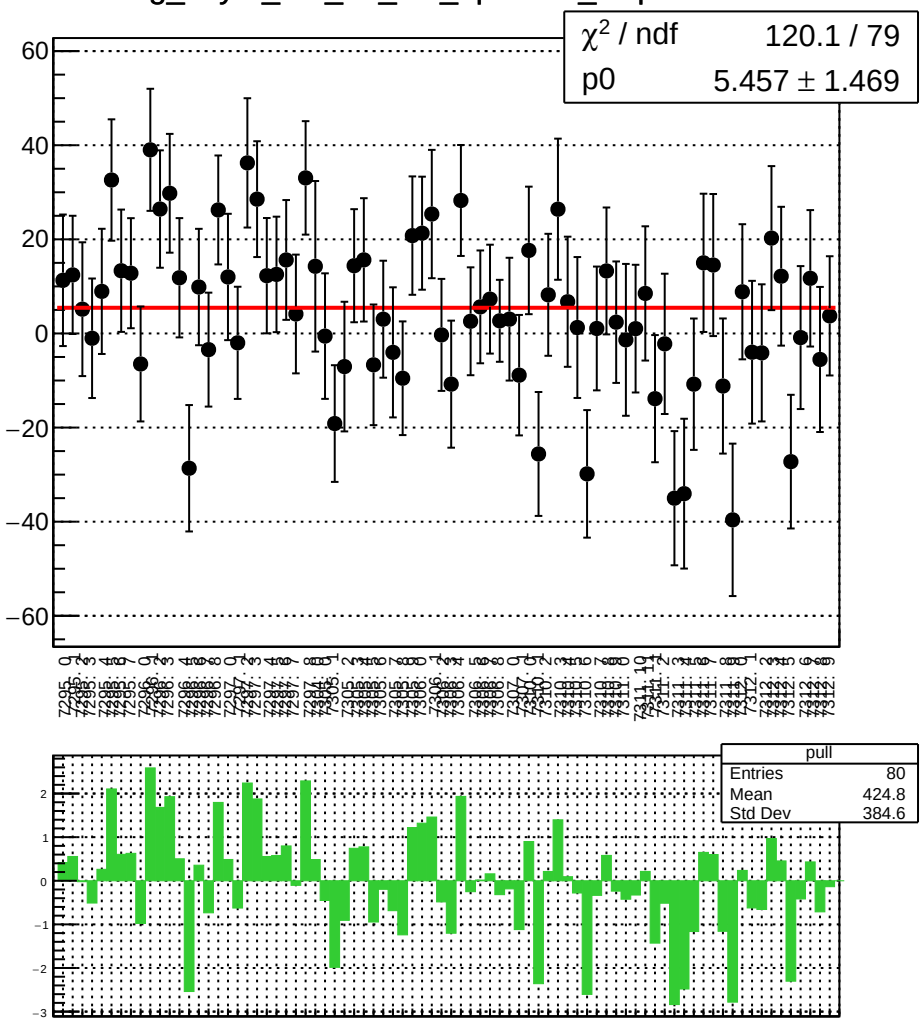

pull1D
Entries 80
Mean −0.06454
Std Dev 1.03

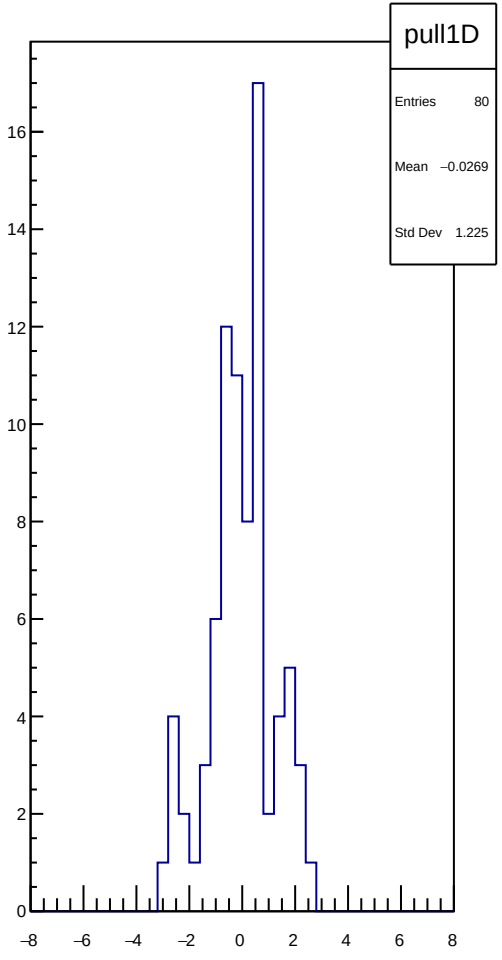

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 114.4 / 79
p0 −4.687 ± 1.372
pull
Entries 80
Mean 453
Std Dev 412.5

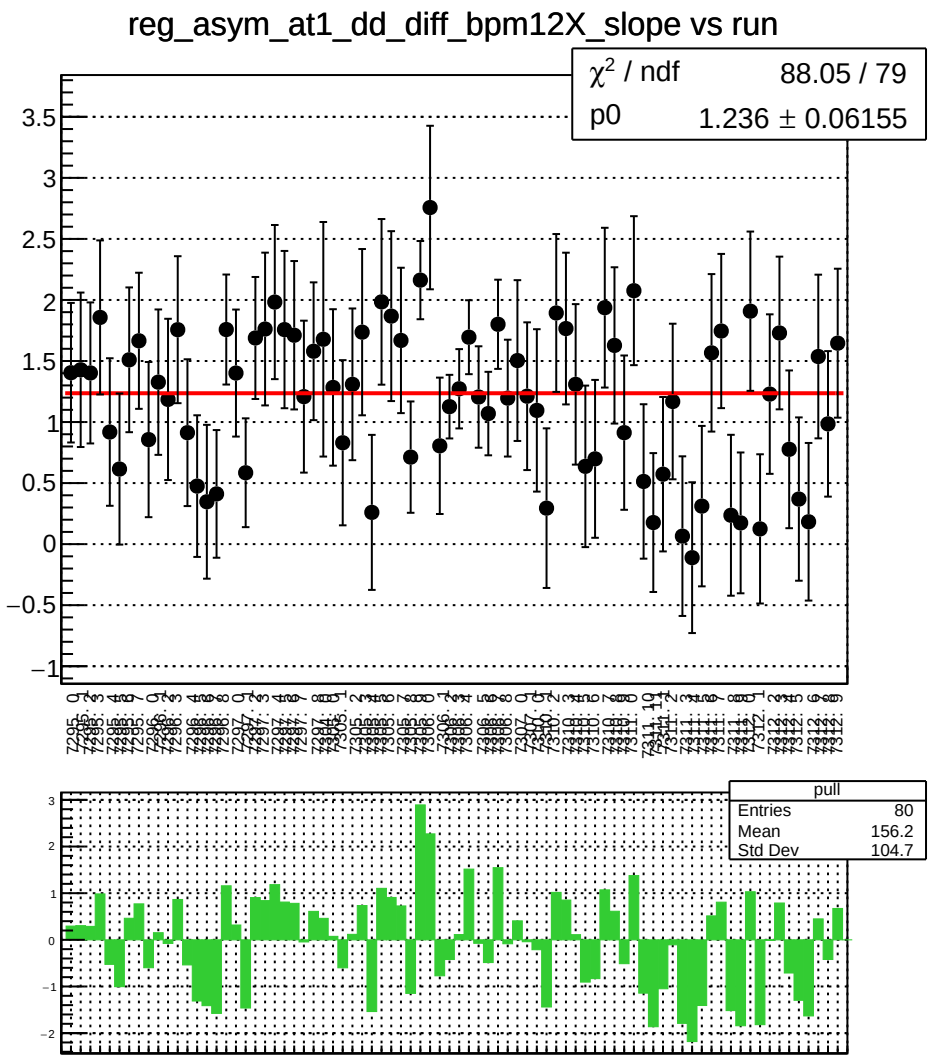

pull1D
Entries 80
Mean 0.02362
Std Dev 1.196

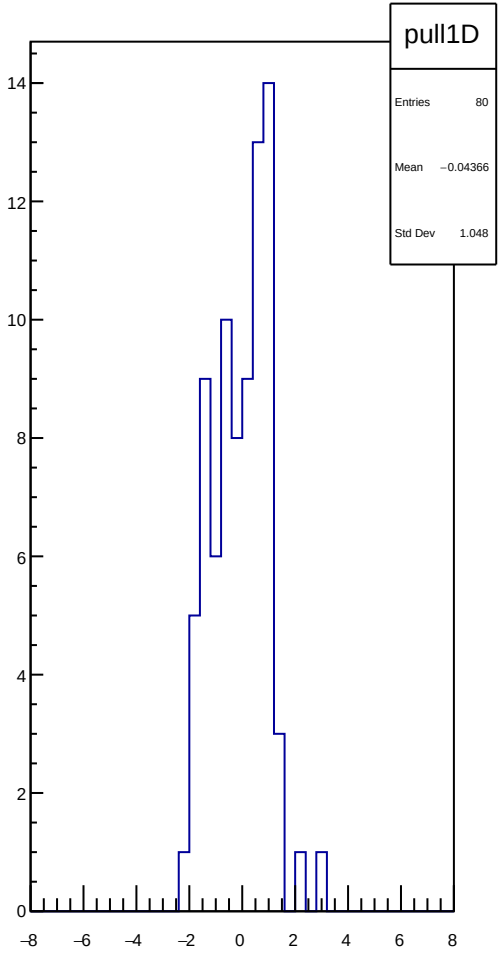

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.11 / 79
p0 16.59 ± 1.45
pull
Entries 80
Mean 106.2
Std Dev 51.1

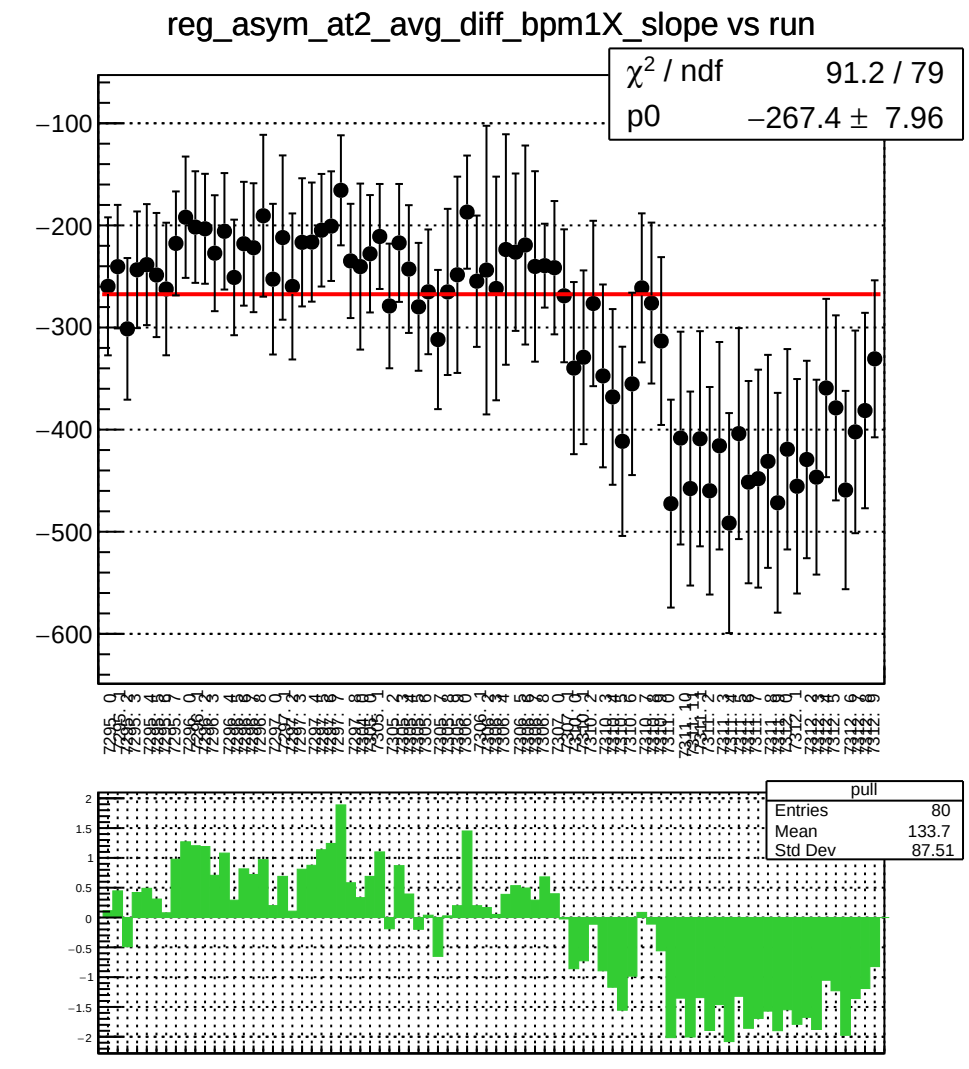

pull1D
Entries 80
Mean 0.07045
Std Dev 1.023

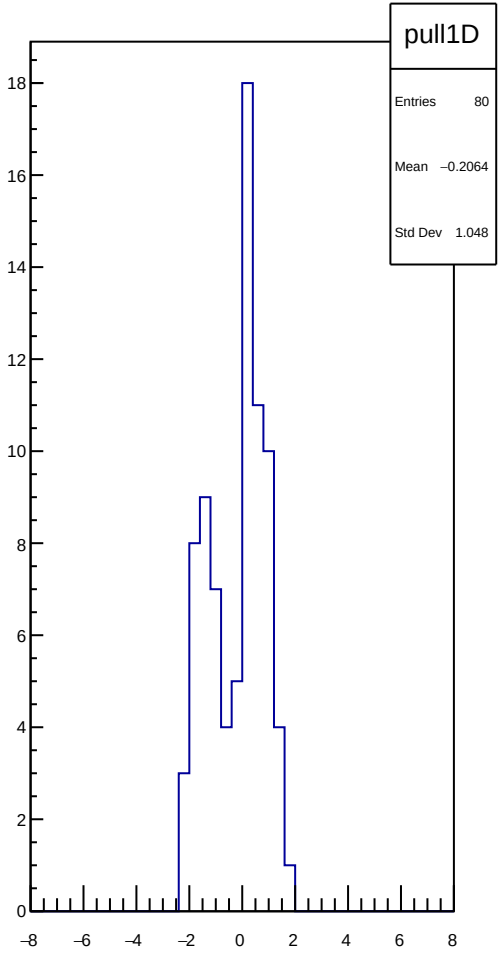

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.1 / 79
p0 5.457 ± 1.469
pull
Entries 80
Mean 424.8
Std Dev 384.6

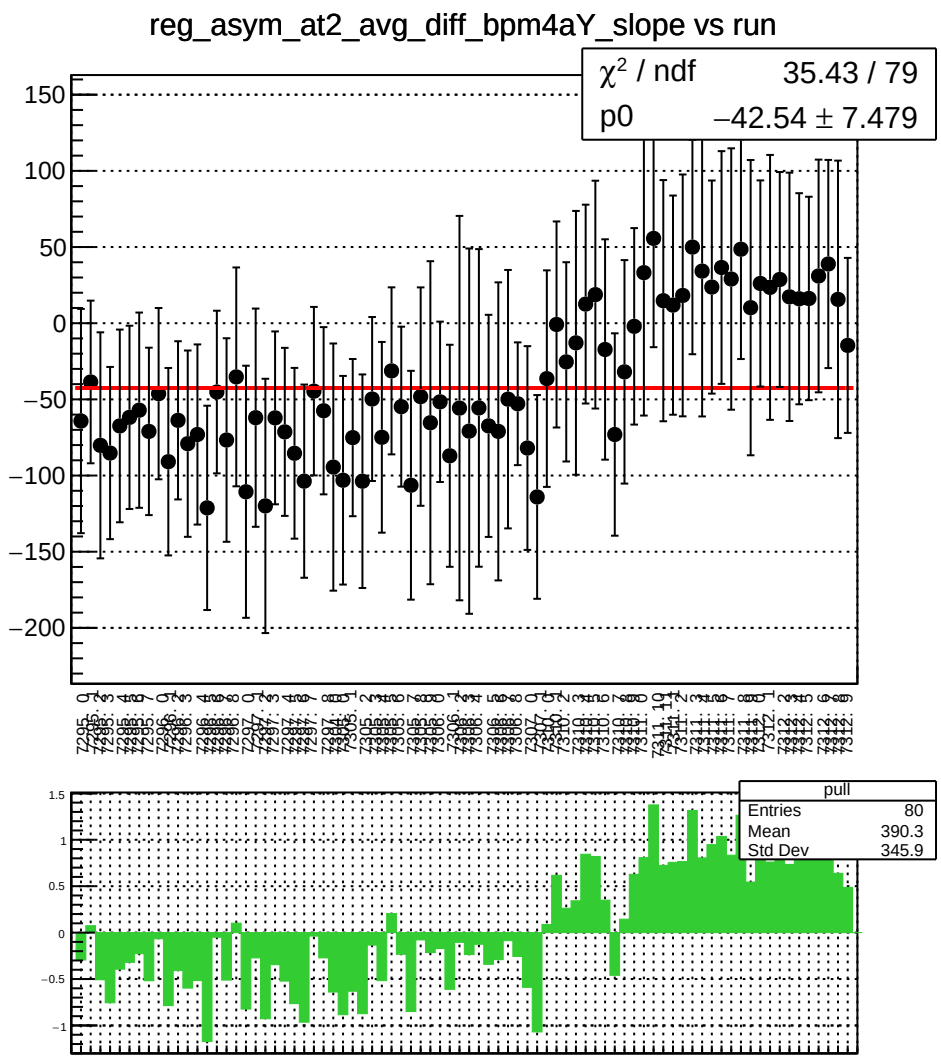

pull1D
Entries 80
Mean −0.0269
Std Dev 1.225

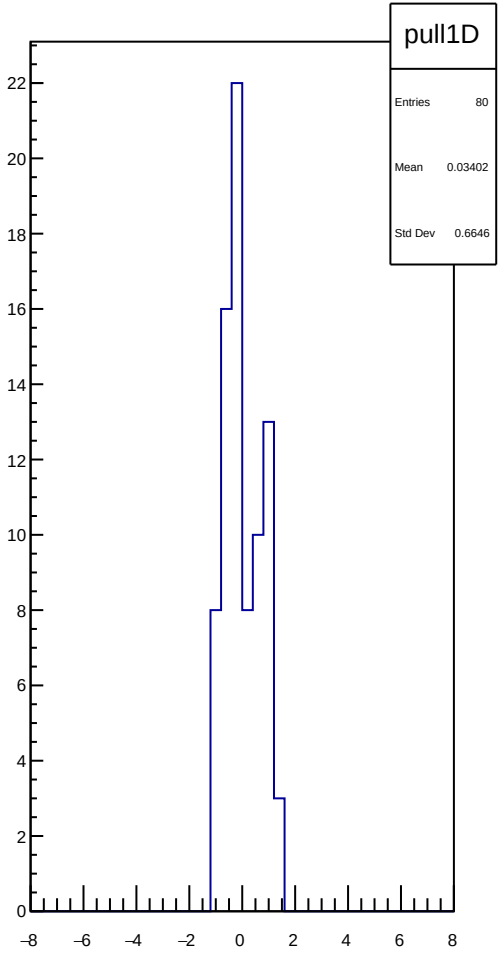

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 88.05 / 79
p0 1.236 ± 0.06155
pull
Entries 80
Mean 156.2
Std Dev 104.7

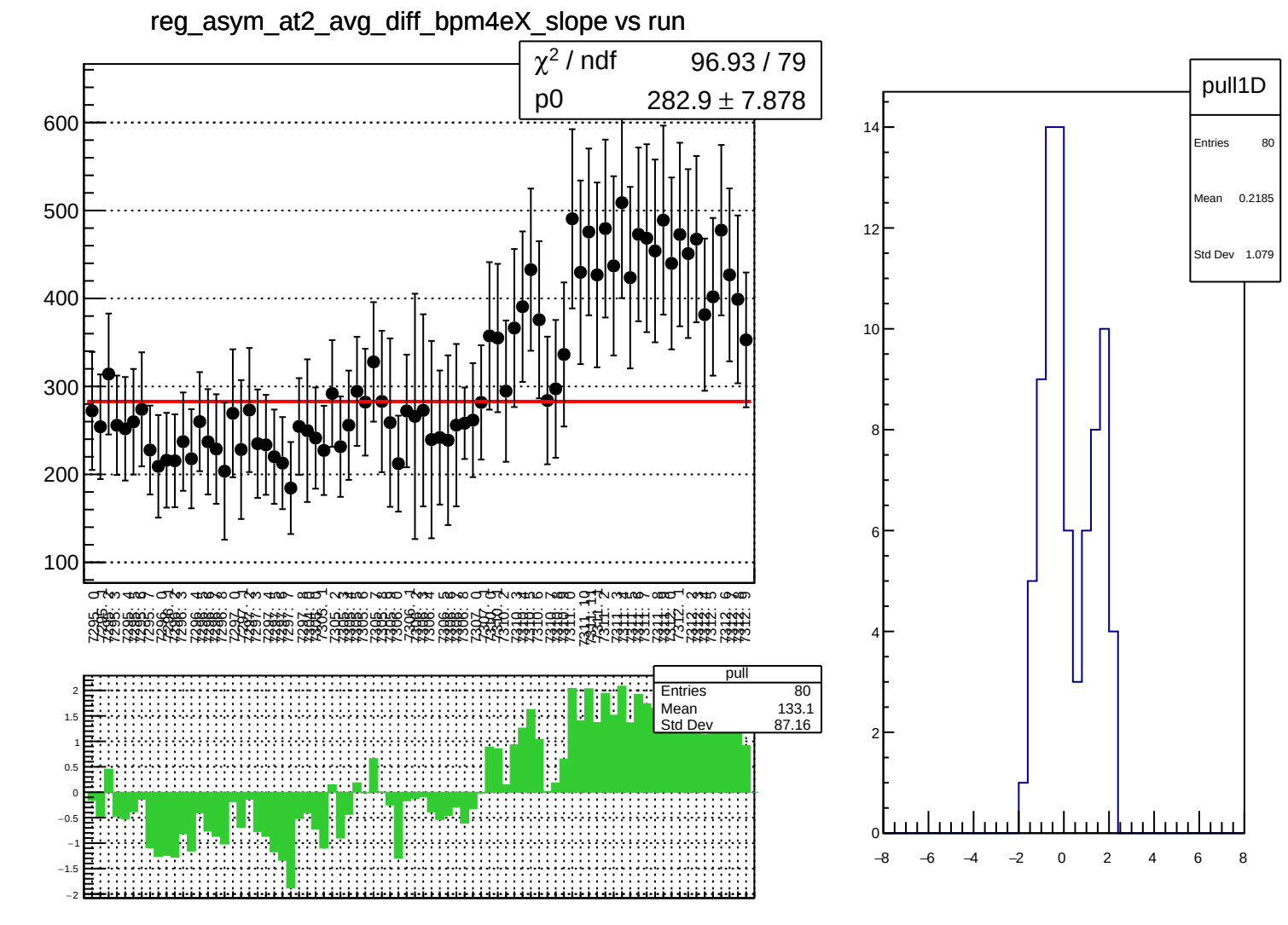

pull1D
Entries 80
Mean −0.04366
Std Dev 1.048

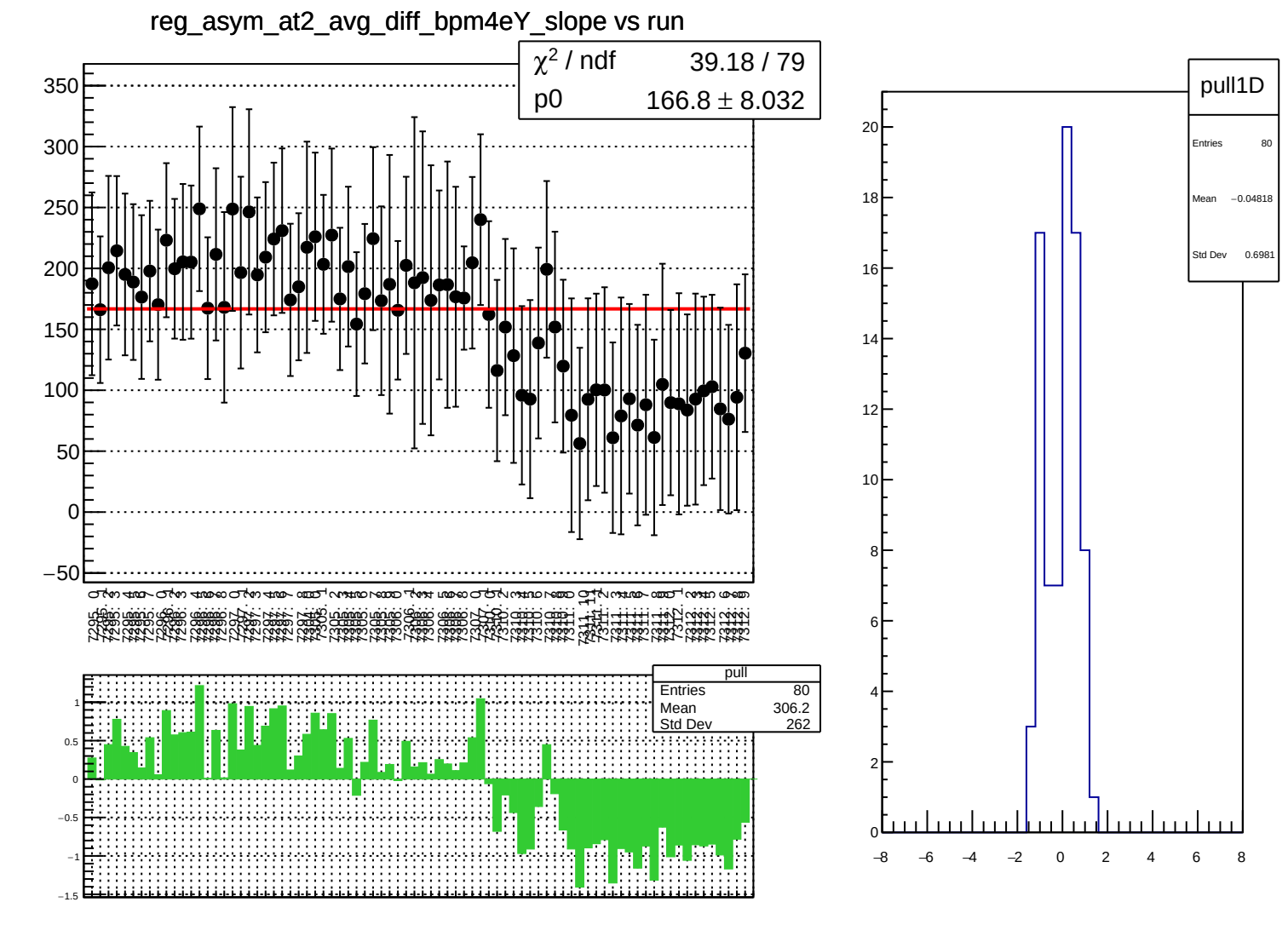

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 91.2 / 79
p0 −267.4 ± 7.96
pull
Entries 80
Mean 133.7
Std Dev 87.51

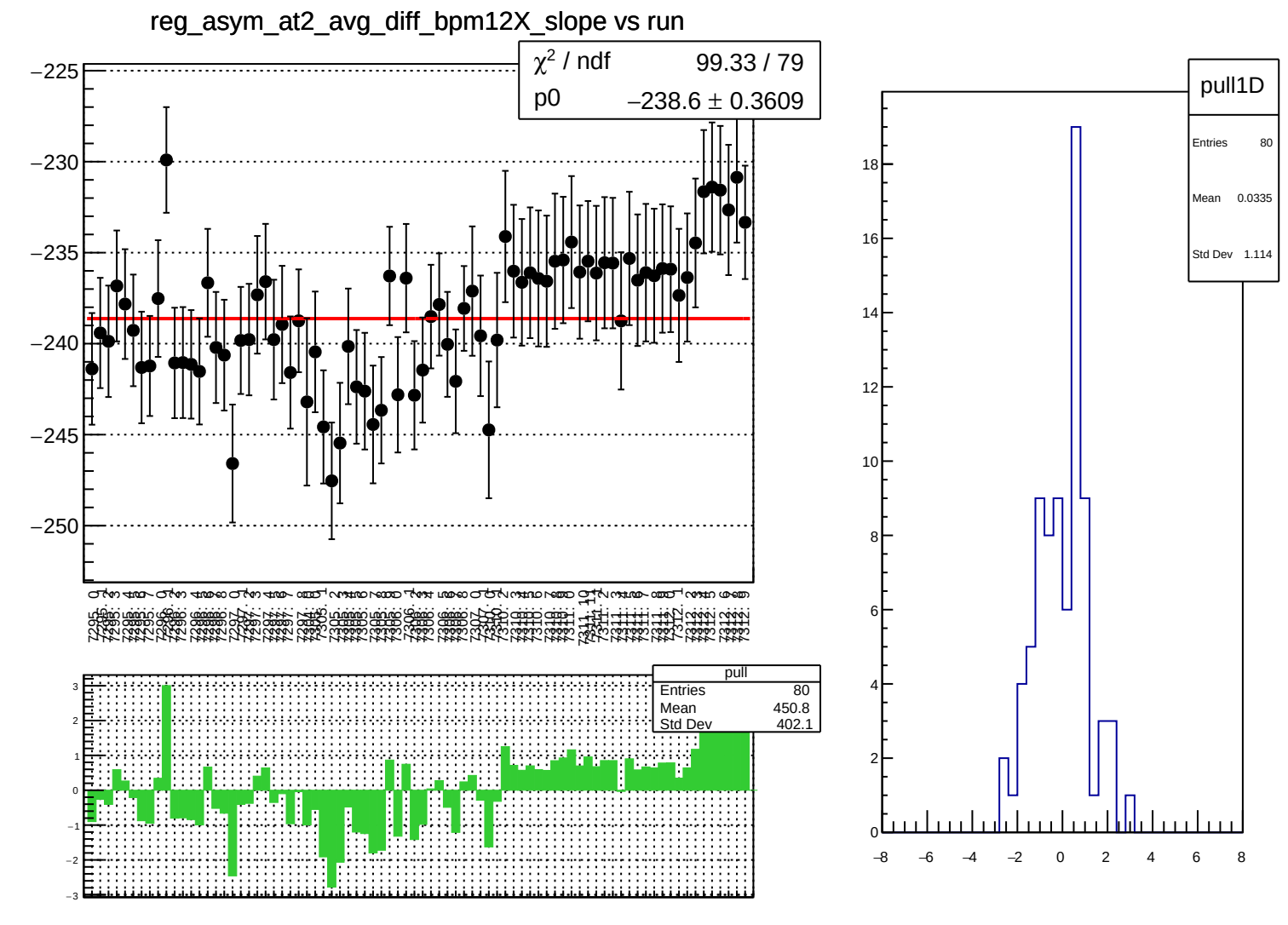

pull1D
Entries 80
Mean −0.2064
Std Dev 1.048

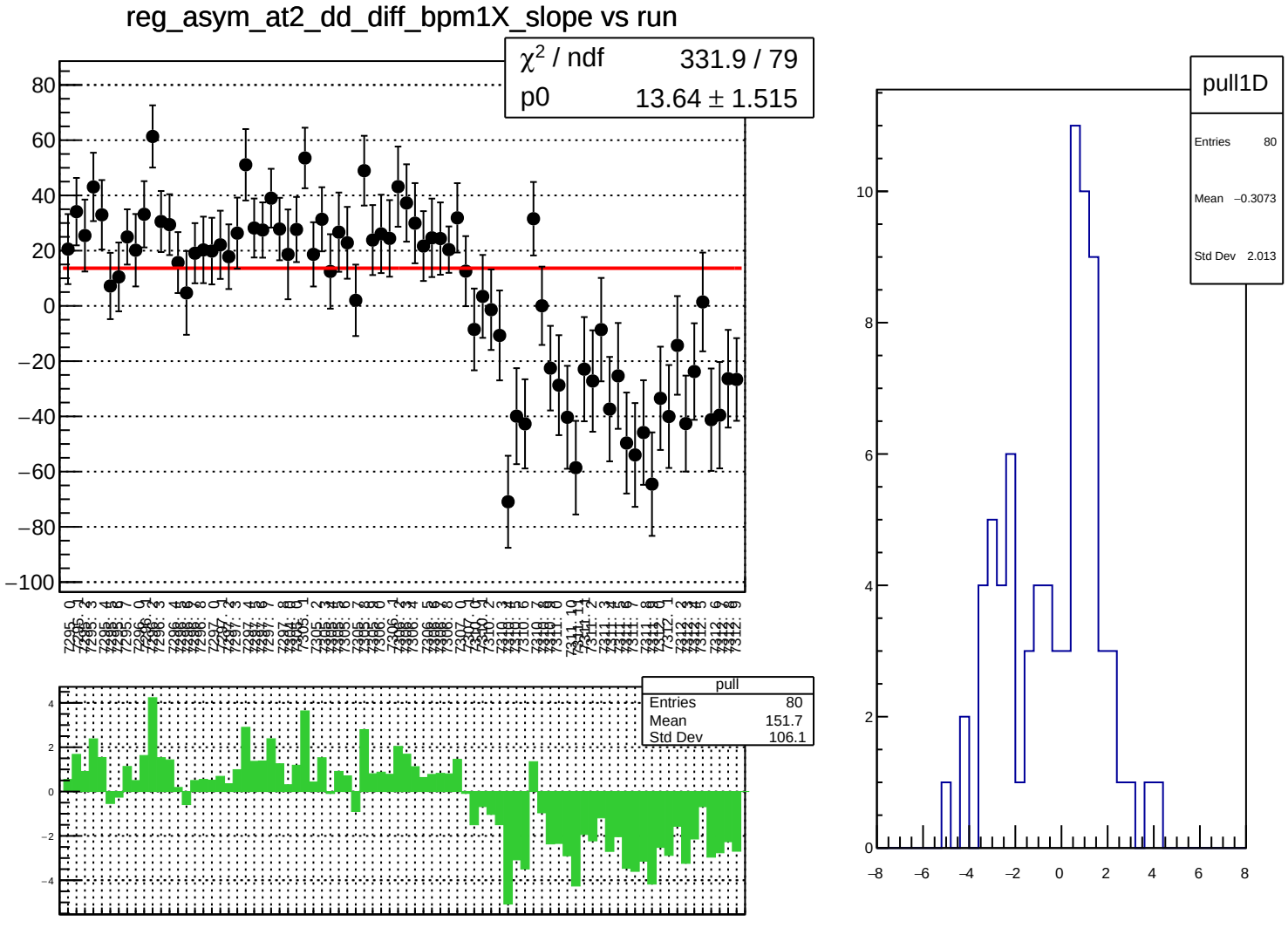

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.43 / 79
p0 −42.54 ± 7.479
pull
Entries 80
Mean 390.3
Std Dev 345.9

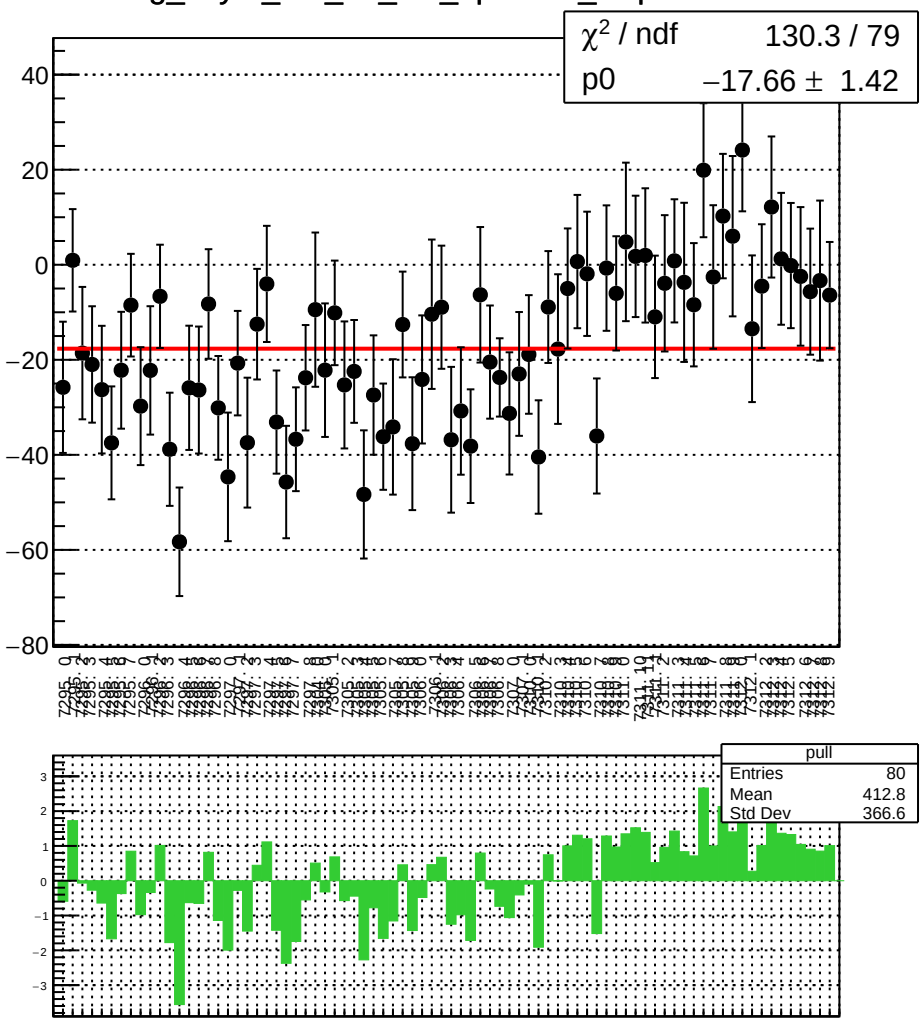

pull1D
Entries 80
Mean 0.03402
Std Dev 0.6646

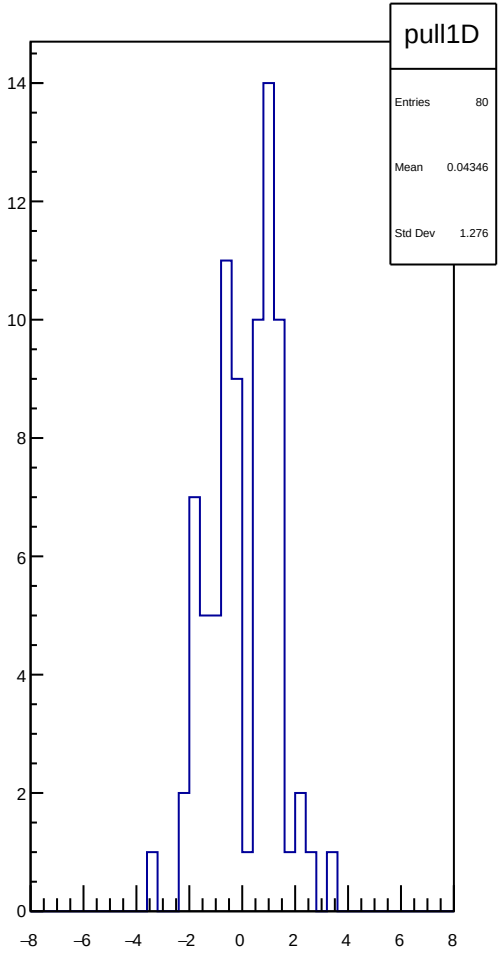

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.93 / 79
p0 282.9 ± 7.878
pull
Entries 80
Mean 133.1
Std Dev 87.16
pull1D
Entries 80
Mean 0.2185
Std Dev 1.079

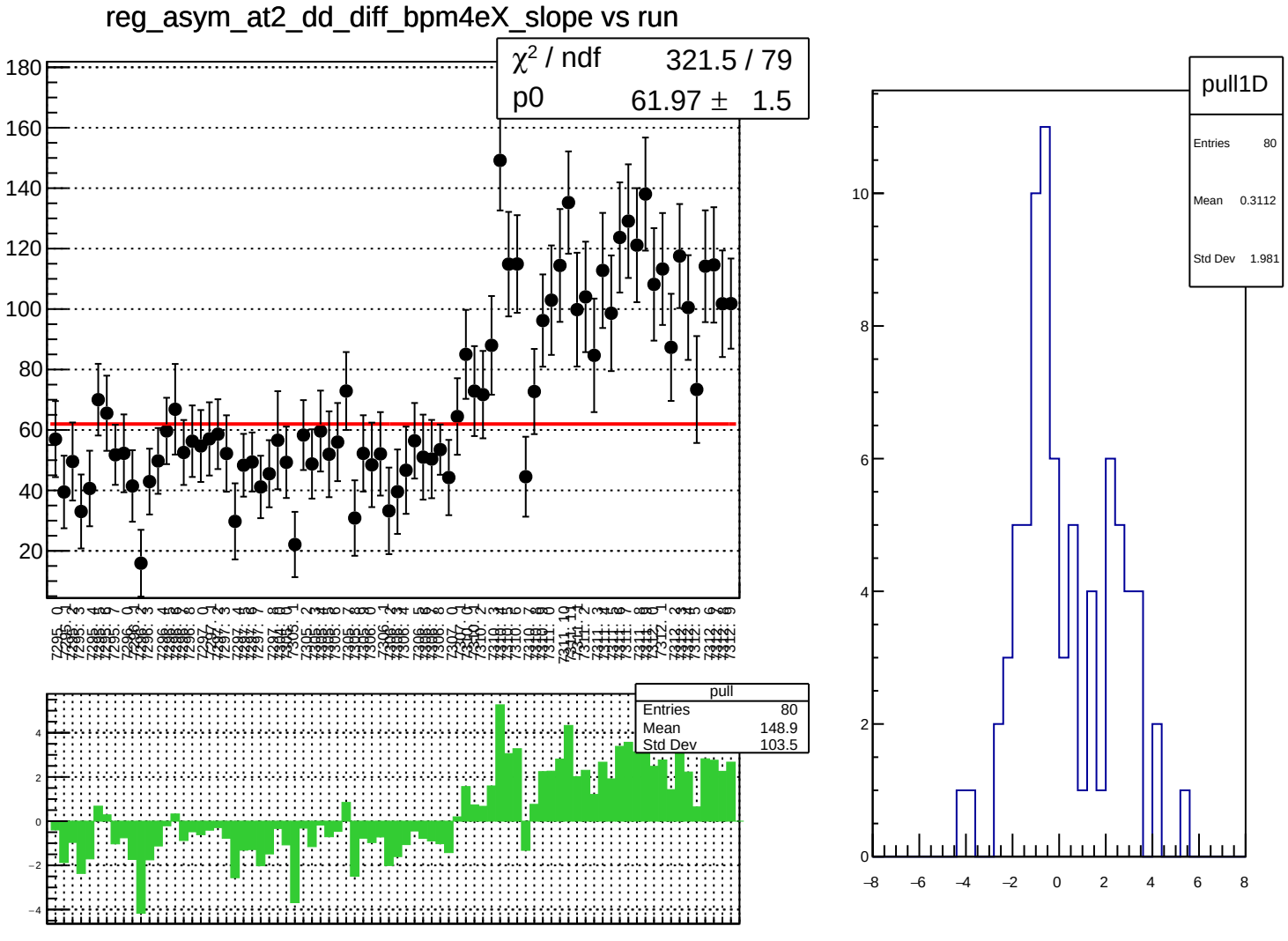

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.18 / 79
p0 166.8 ± 8.032
pull
Entries 80
Mean 306.2
Std Dev 262
pull1D
Entries 80
Mean −0.04818
Std Dev 0.6981

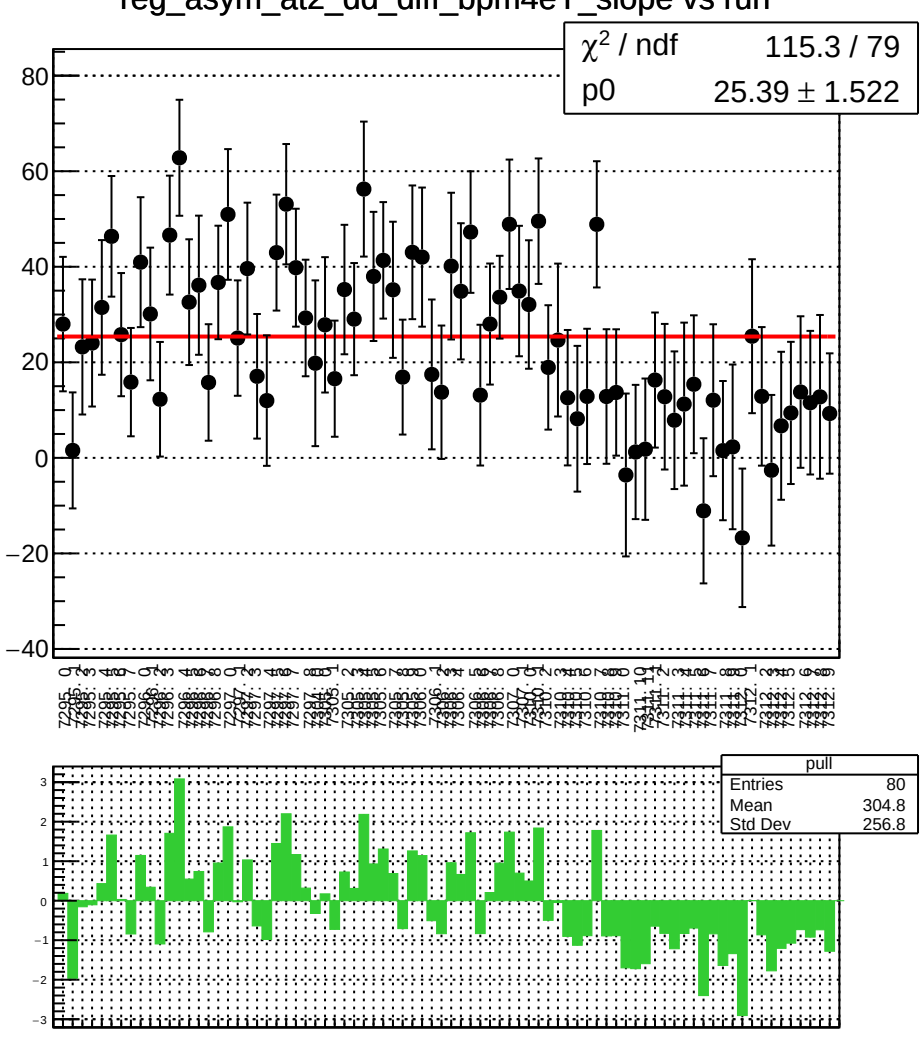

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 99.33 / 79
p0 −238.6 ± 0.3609
pull
Entries 80
Mean 450.8
Std Dev 402.1
pull1D
Entries 80
Mean 0.0335
Std Dev 1.114

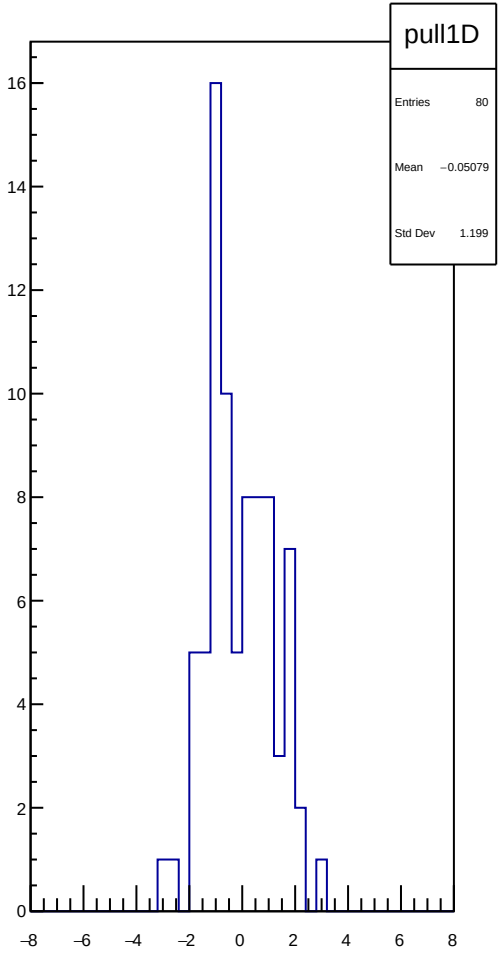

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 331.9 / 79
p0 13.64 ± 1.515
pull
Entries 80
Mean 151.7
Std Dev 106.1
pull1D
Entries 80
Mean −0.3073
Std Dev 2.013

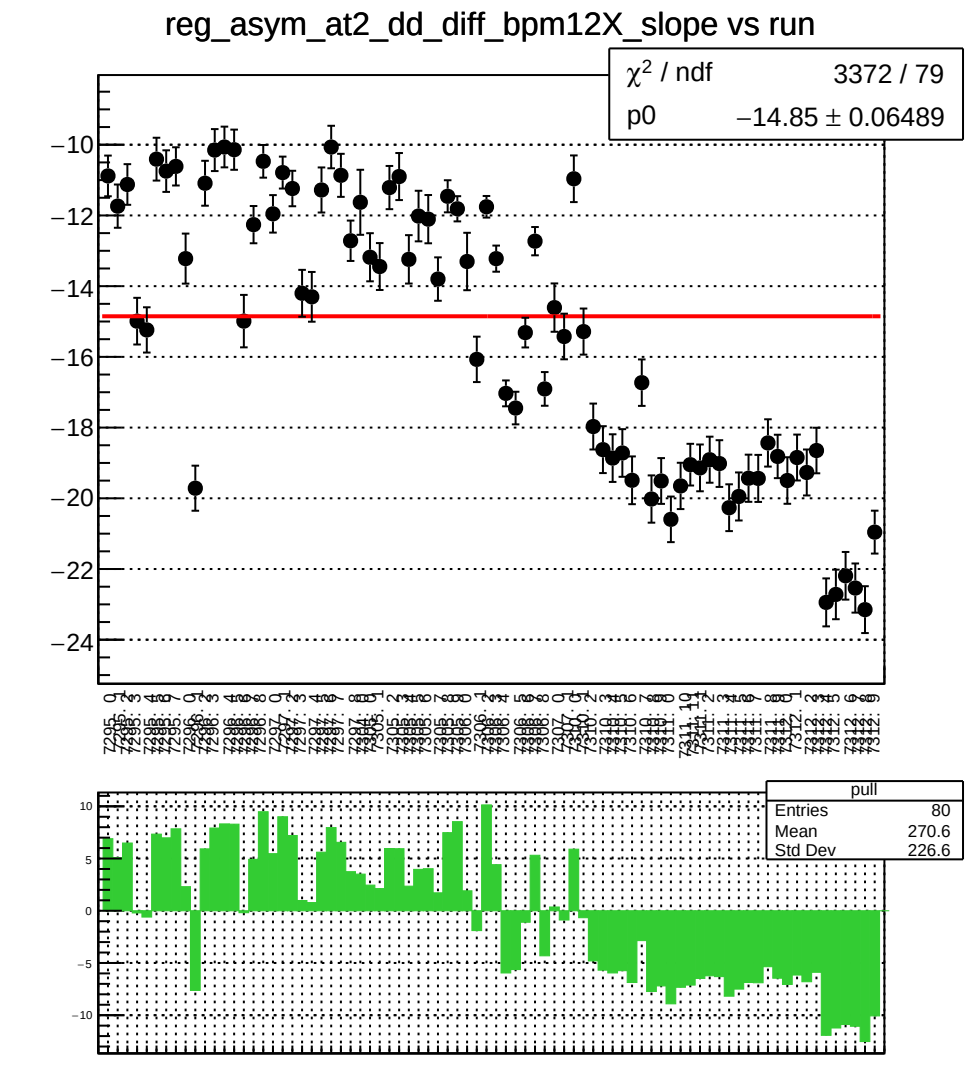

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 130.3 / 79
p0 −17.66 ± 1.42
pull
Entries 80
Mean 412.8
Std Dev 366.6

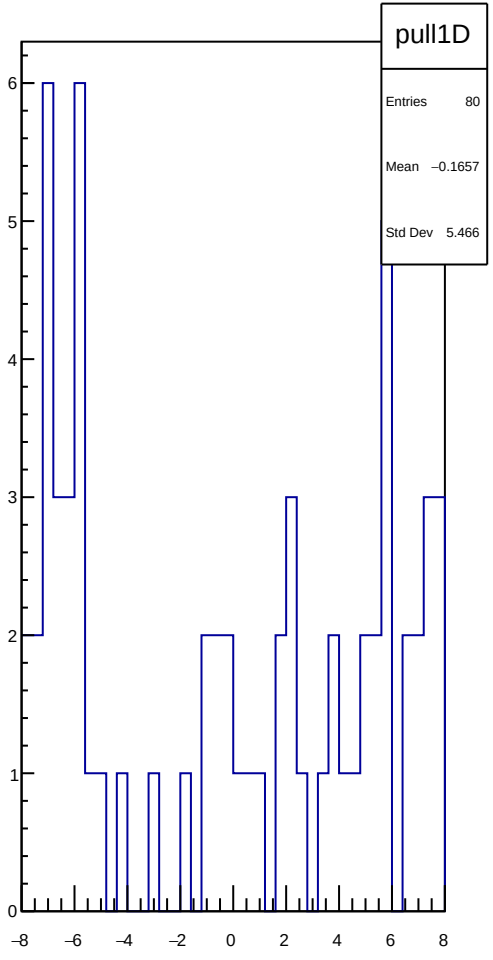

pull1D
Entries 80
Mean 0.04346
Std Dev 1.276

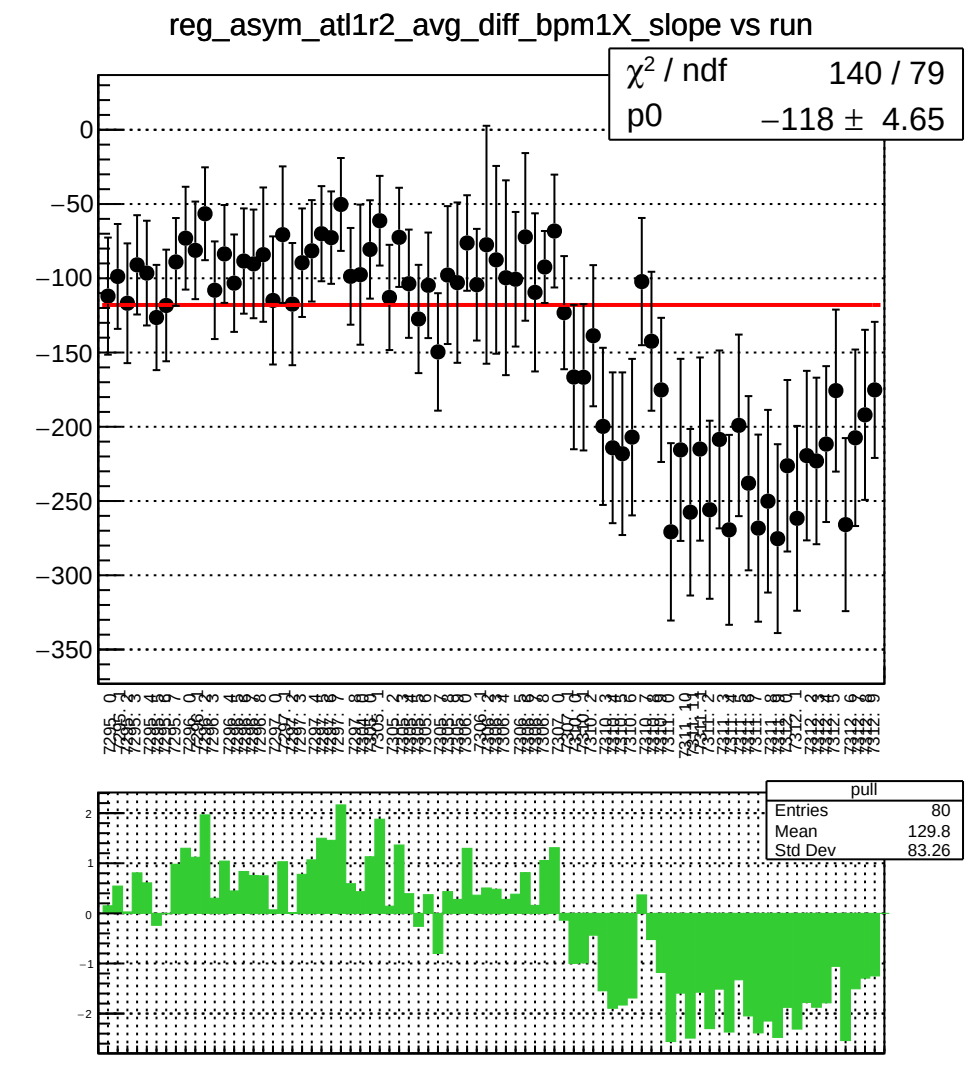

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 321.5 / 79
p0 61.97 ± 1.5
pull
Entries 80
Mean 148.9
Std Dev 103.5
pull1D
Entries 80
Mean 0.3112
Std Dev 1.981

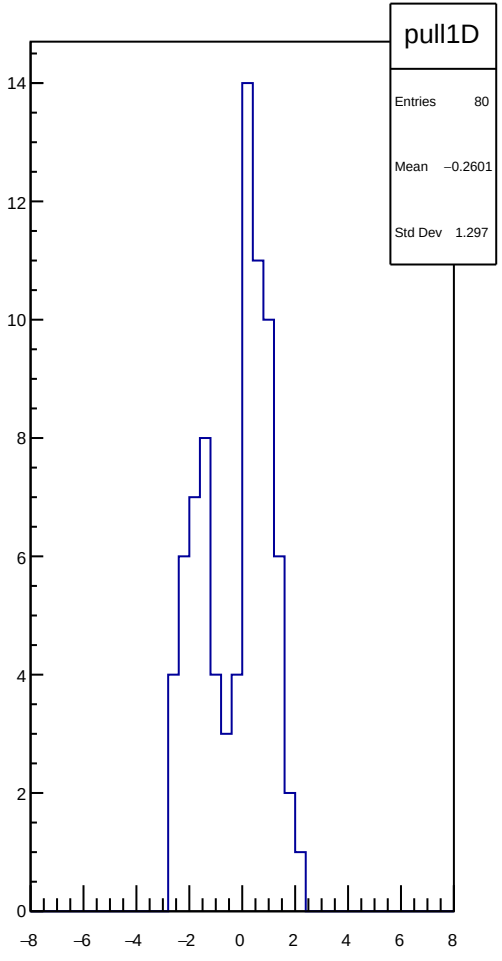

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 115.3 / 79
p0 25.39 ± 1.522
pull
Entries 80
Mean 304.8
Std Dev 256.8

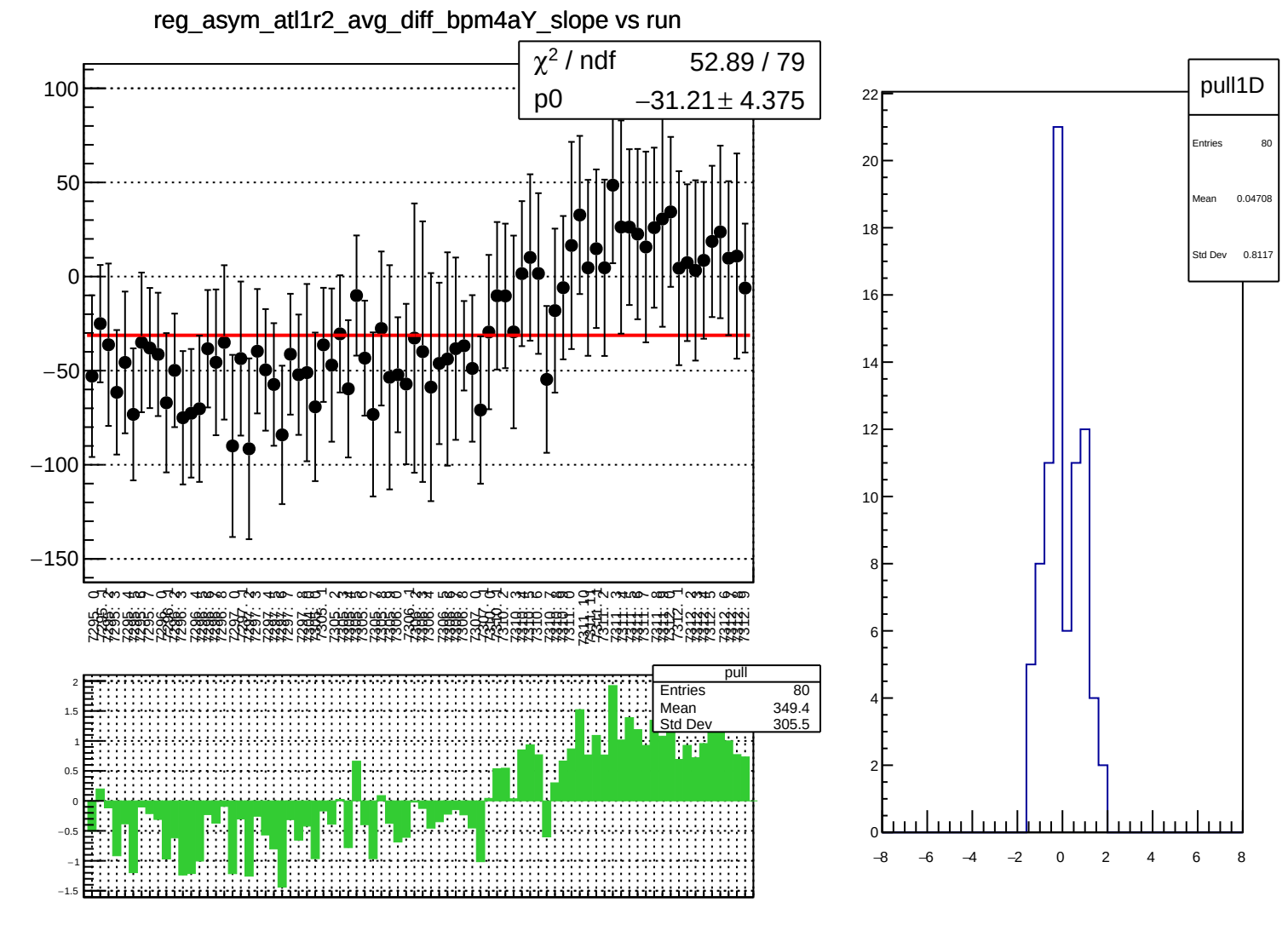

pull1D
Entries 80
Mean −0.05079
Std Dev 1.199

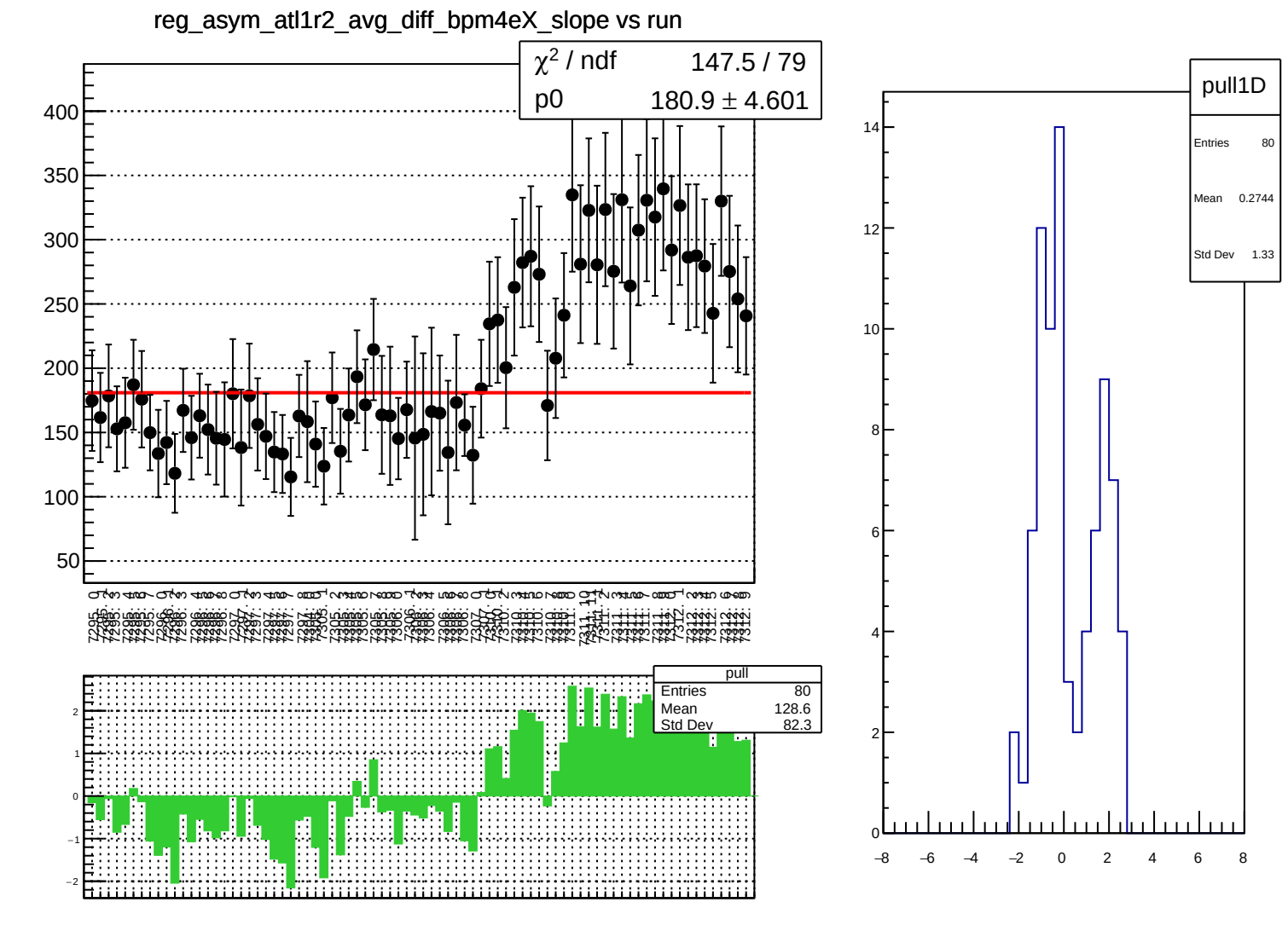

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 3372 / 79
p0 −14.85 ± 0.06489
pull
Entries 80
Mean 270.6
Std Dev 226.6

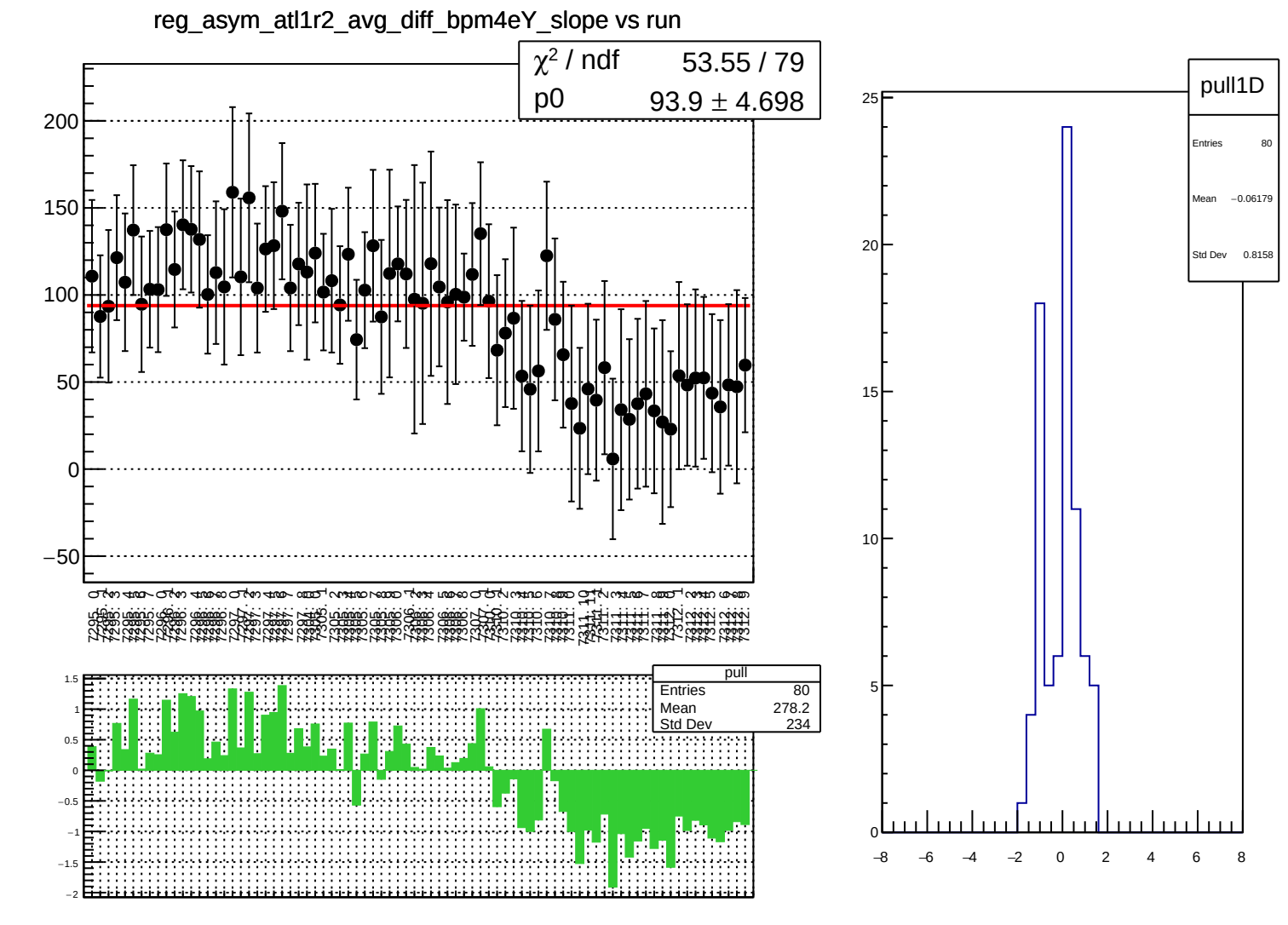

pull1D
Entries 80
Mean −0.1657
Std Dev 5.466

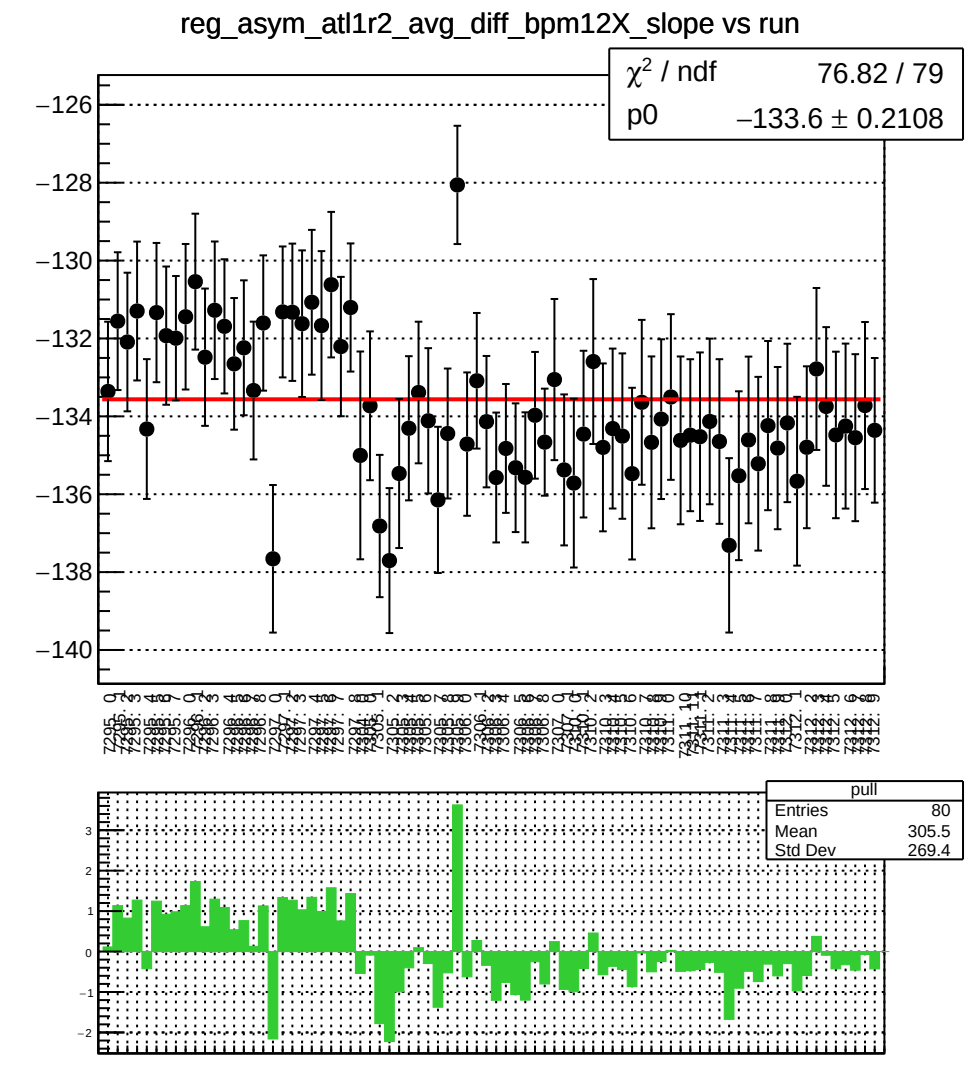

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 140 / 79
p0 −118 ± 4.65
pull
Entries 80
Mean 129.8
Std Dev 83.26

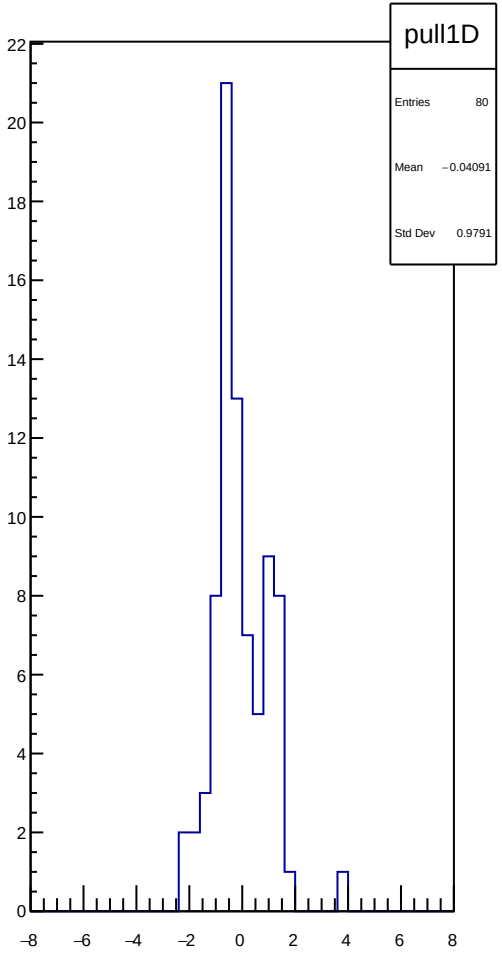

pull1D
Entries 80
Mean −0.2601
Std Dev 1.297

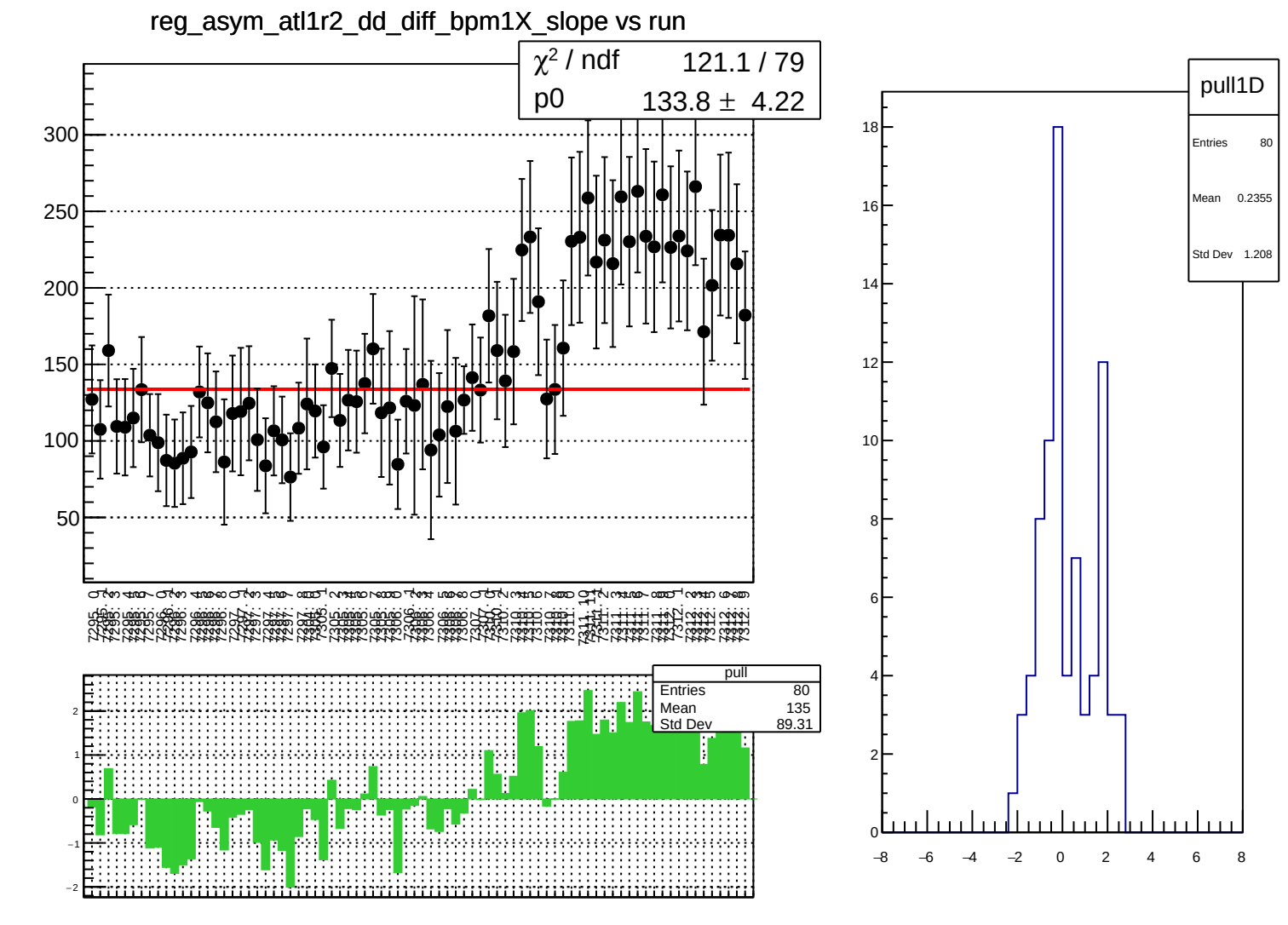

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.89 / 79
p0 −31.21 ± 4.375
pull
Entries 80
Mean 349.4
Std Dev 305.5
pull1D
Entries 80
Mean 0.04708
Std Dev 0.8117

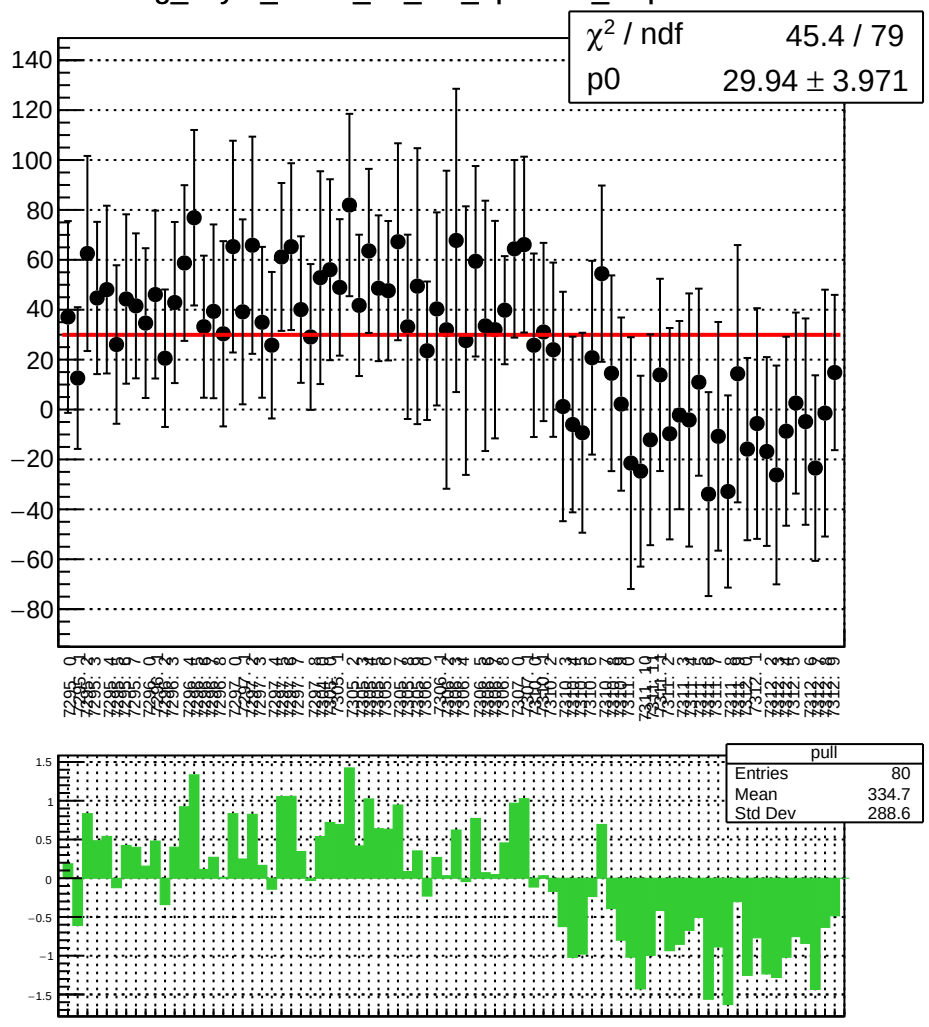

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.5 / 79
p0 180.9 ± 4.601
pull
Entries 80
Mean 128.6
Std Dev 82.3
pull1D
Entries 80
Mean 0.2744
Std Dev 1.33

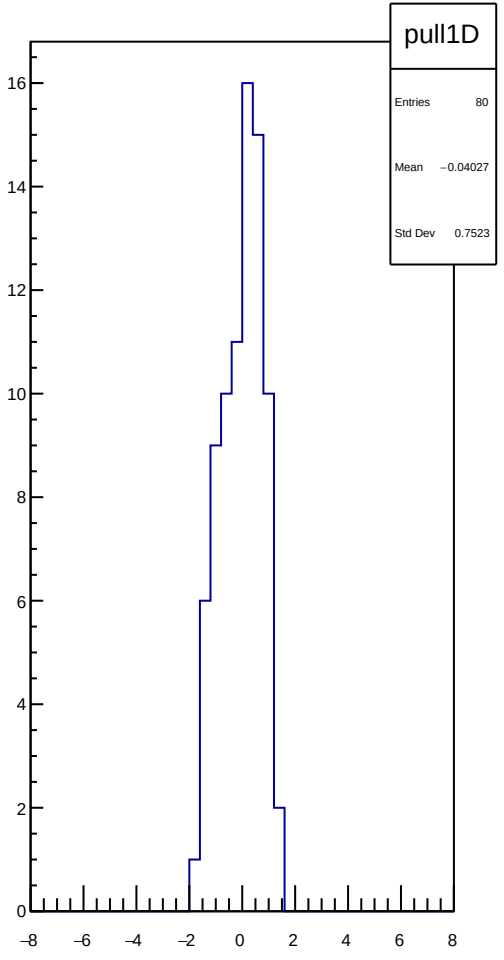

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.55 / 79
p0 93.9 ± 4.698
pull
Entries 80
Mean 278.2
Std Dev 234
pull1D
Entries 80
Mean −0.06179
Std Dev 0.8158

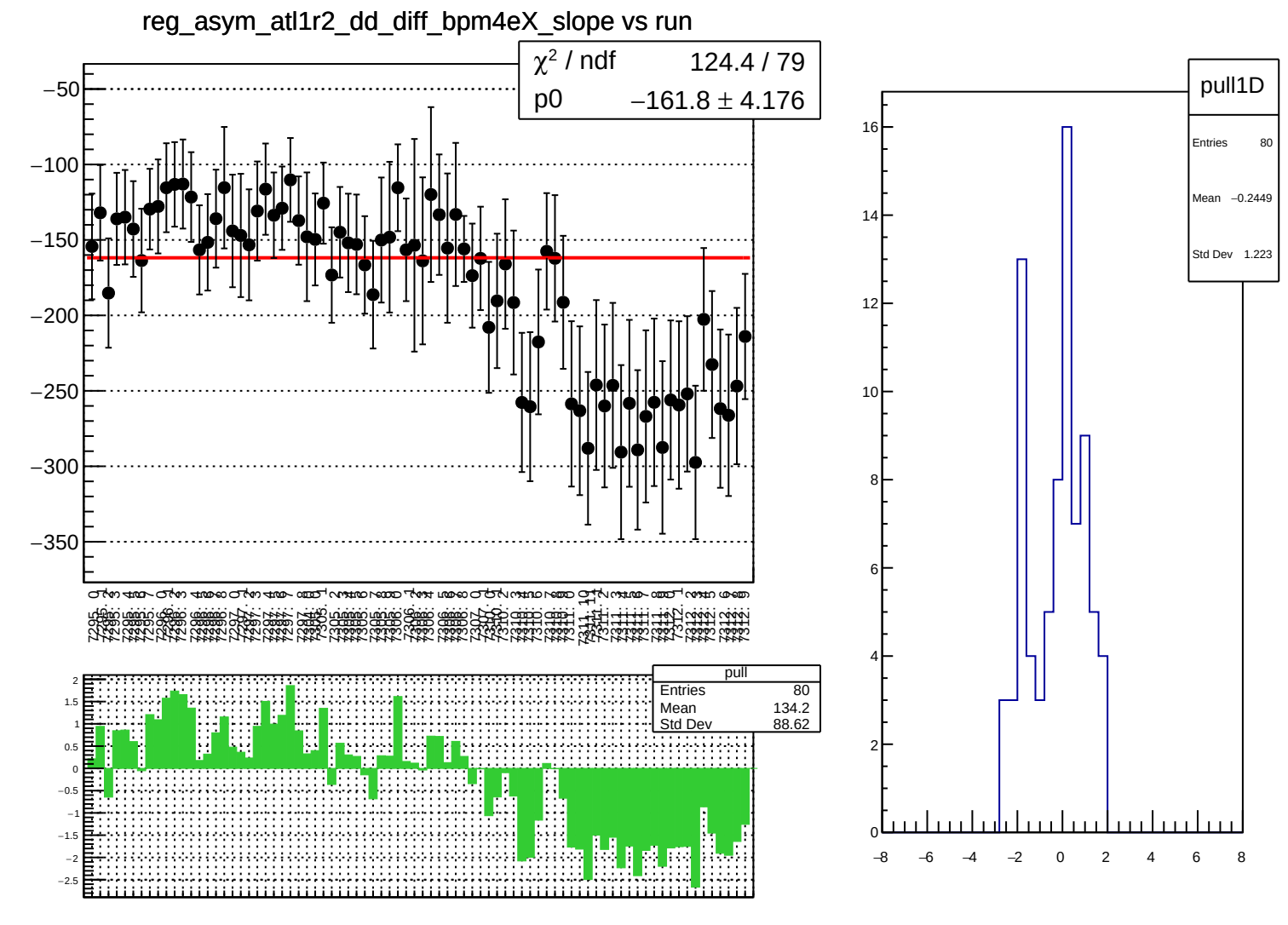

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 76.82 / 79
p0 −133.6 ± 0.2108
pull
Entries 80
Mean 305.5
Std Dev 269.4

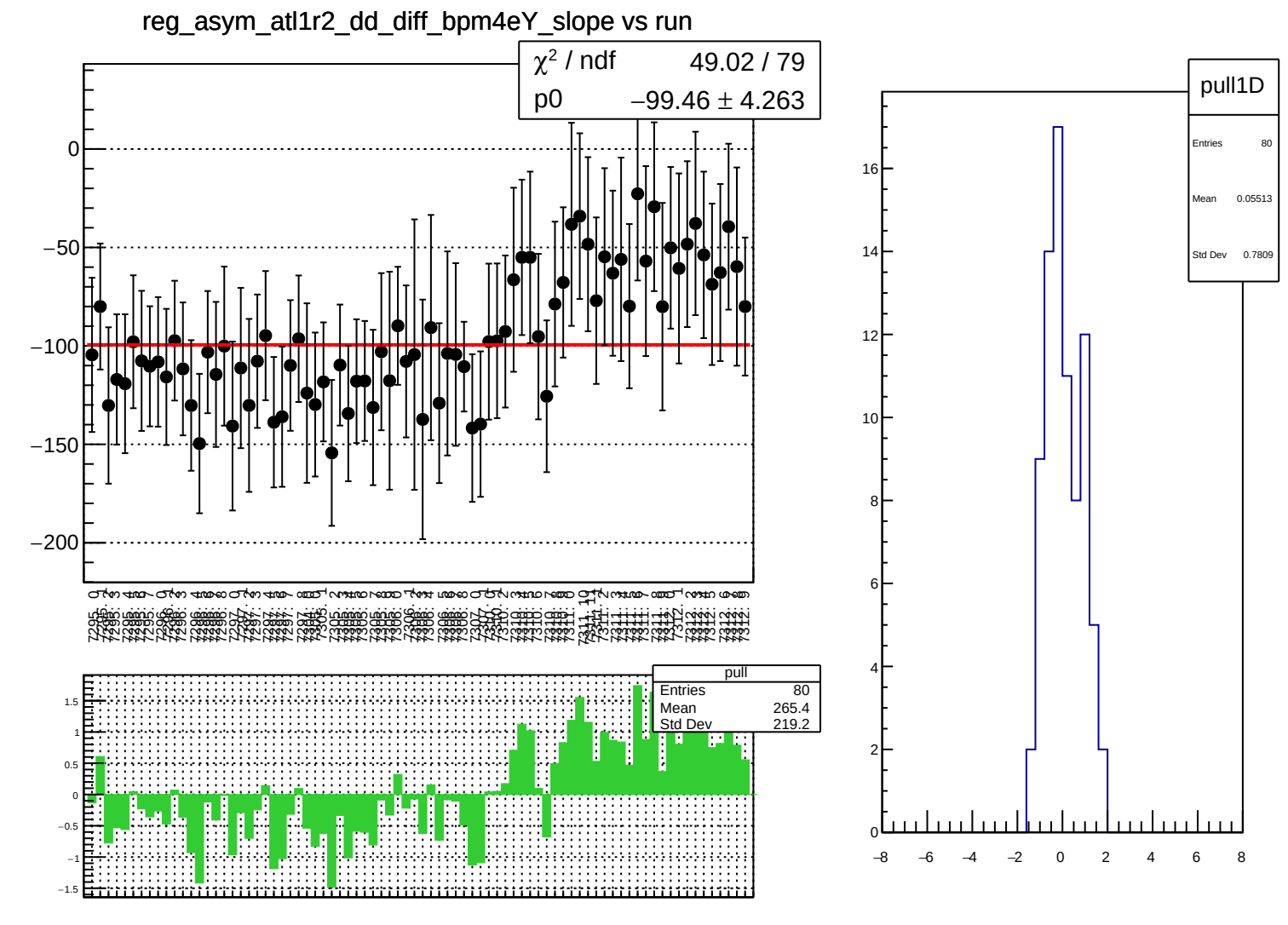

pull1D
Entries 80
Mean −0.04091
Std Dev 0.9791

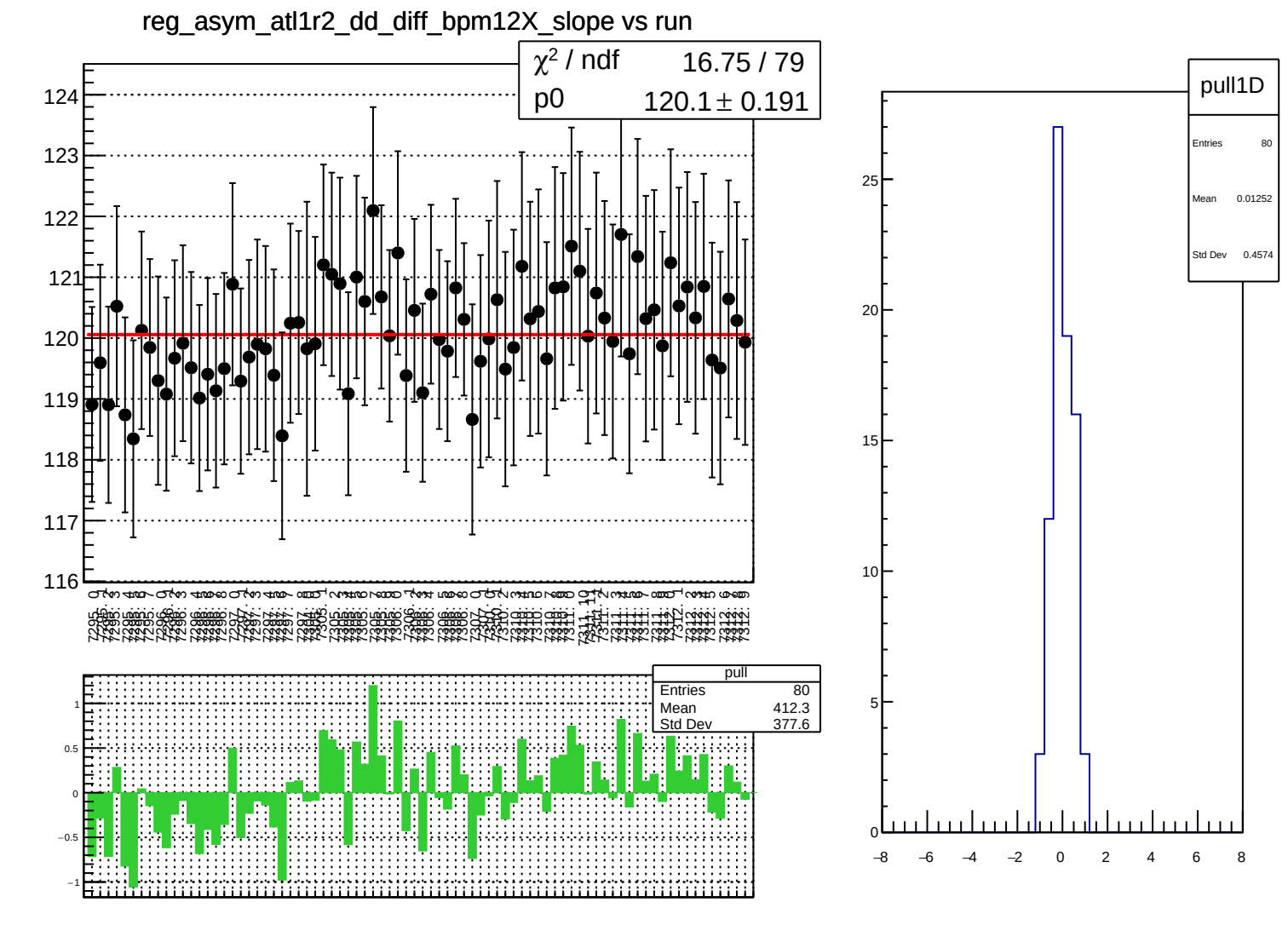

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 121.1 / 79
p0 133.8 ± 4.22
pull
Entries 80
Mean 135
Std Dev 89.31
pull1D
Entries 80
Mean 0.2355
Std Dev 1.208

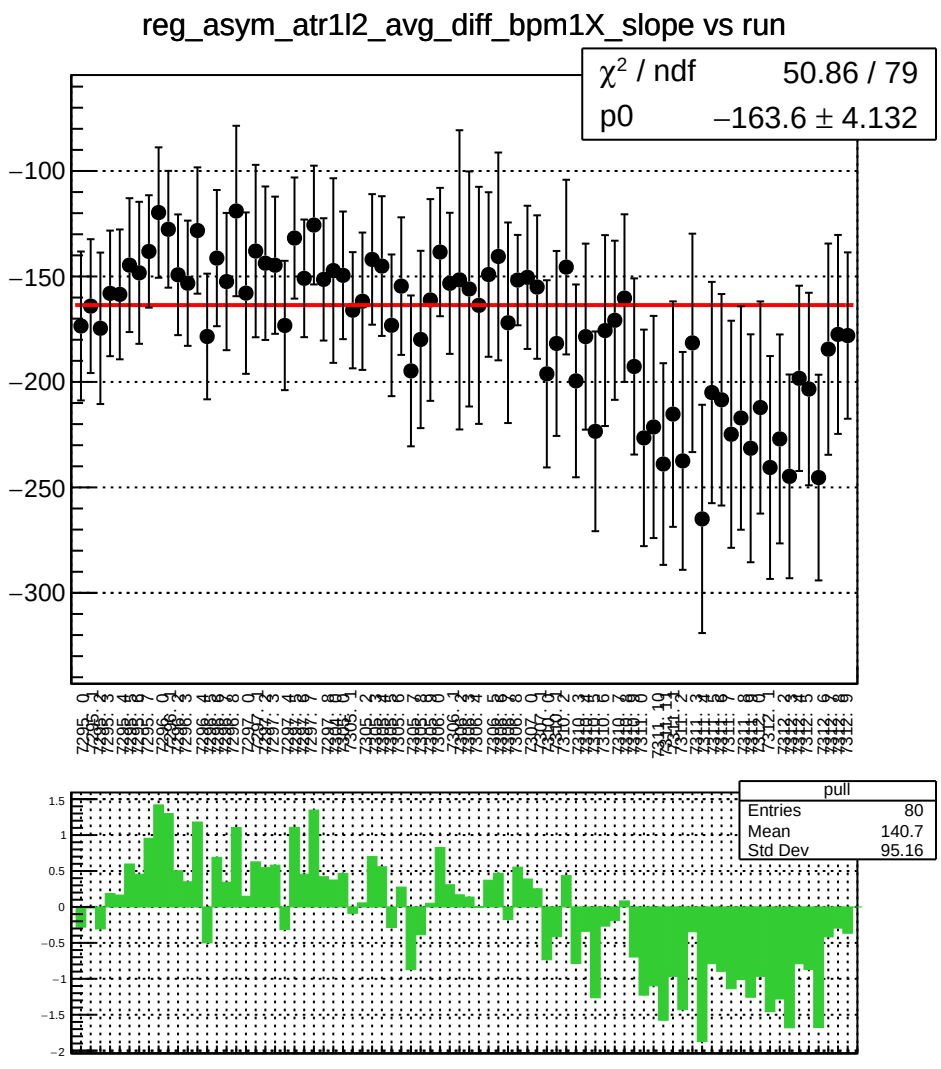

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.4 / 79
p0 29.94 ± 3.971
pull
Entries 80
Mean 334.7
Std Dev 288.6

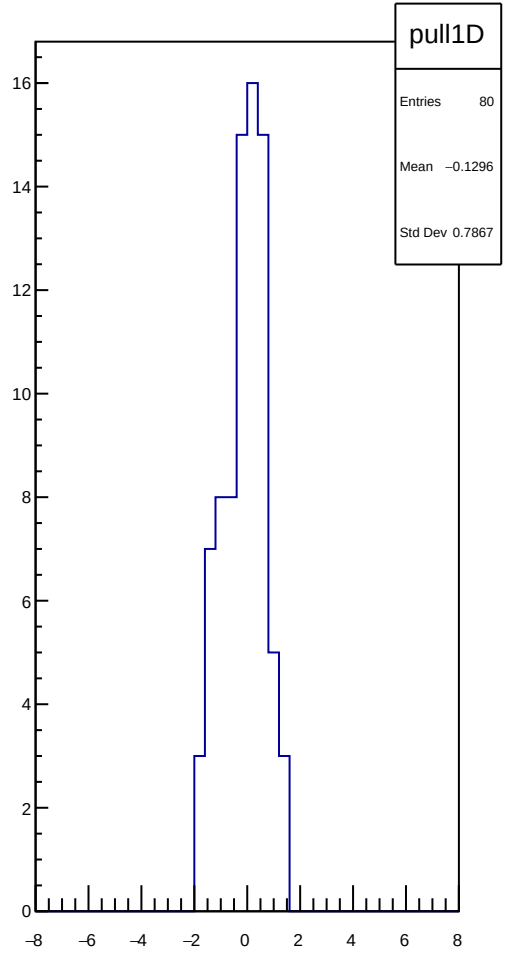

pull1D
Entries 80
Mean −0.04027
Std Dev 0.7523

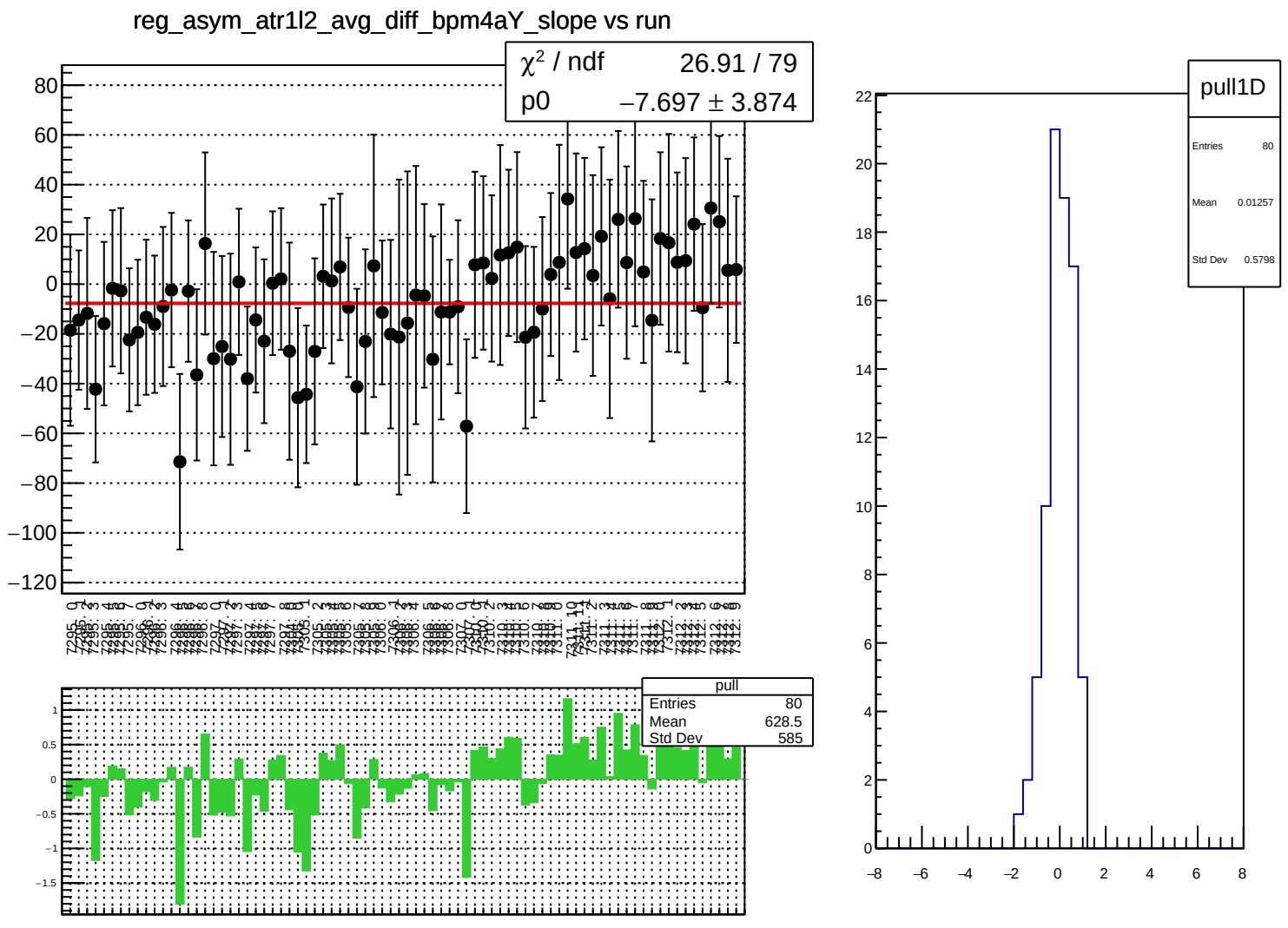

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 124.4 / 79
p0 −161.8 ± 4.176
pull
Entries 80
Mean 134.2
Std Dev 88.62
pull1D
Entries 80
Mean −0.2449
Std Dev 1.223

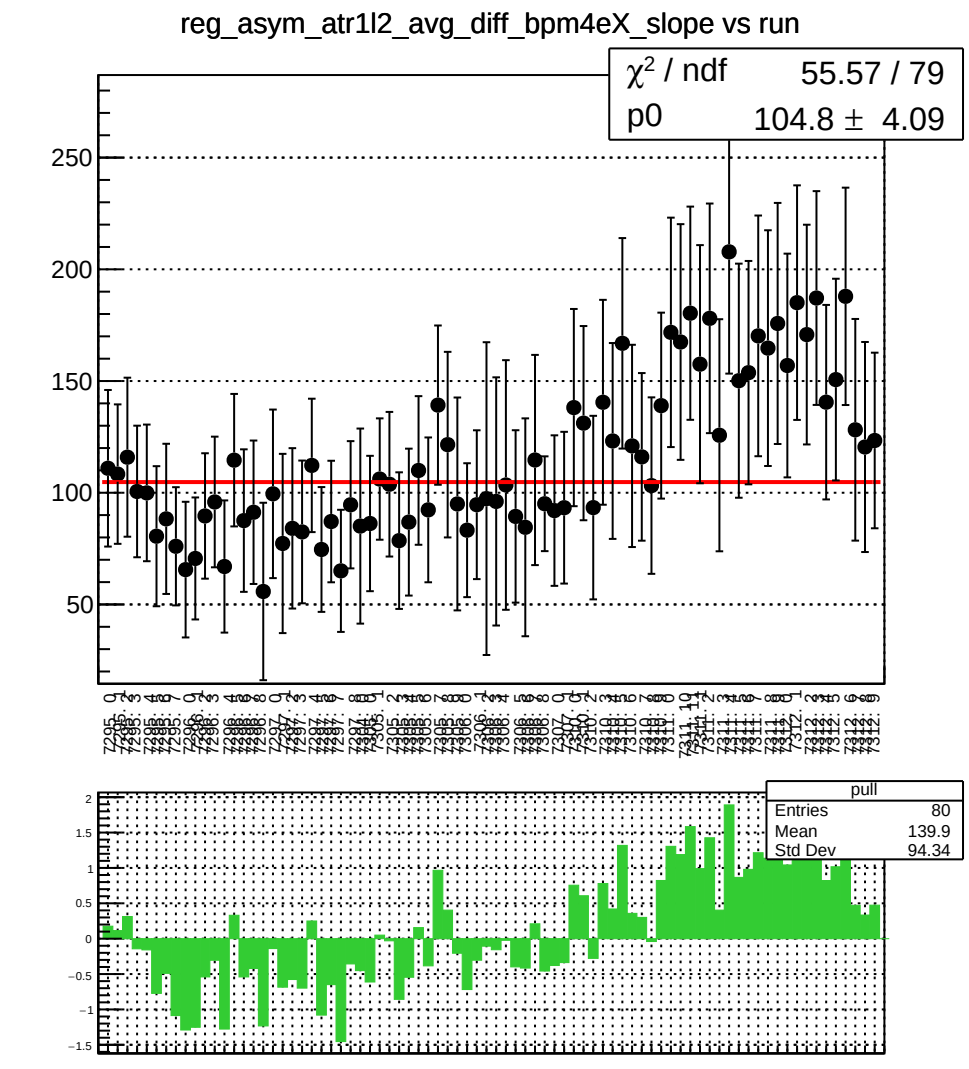

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.02 / 79
p0 −99.46 ± 4.263
pull
Entries 80
Mean 265.4
Std Dev 219.2
pull1D
Entries 80
Mean 0.05513
Std Dev 0.7809

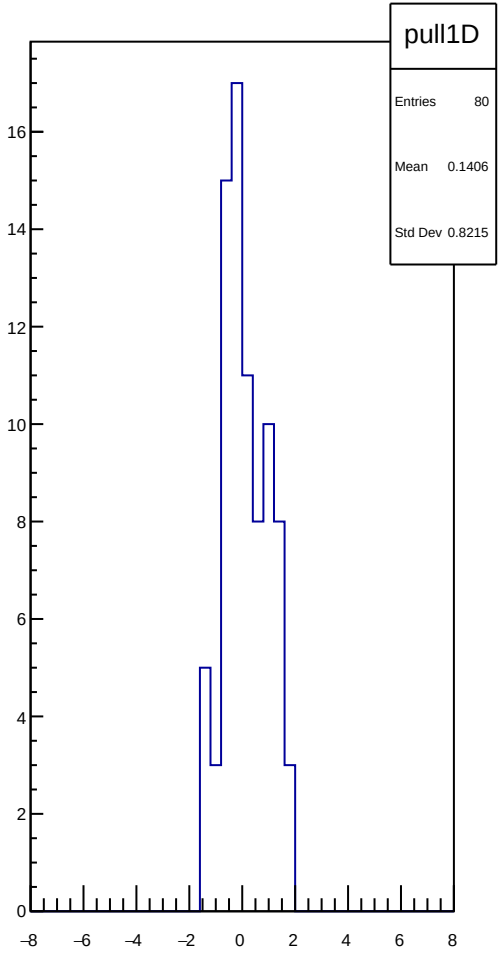

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.75 / 79
p0 120.1 ± 0.191
pull
Entries 80
Mean 412.3
Std Dev 377.6
pull1D
Entries 80
Mean 0.01252
Std Dev 0.4574

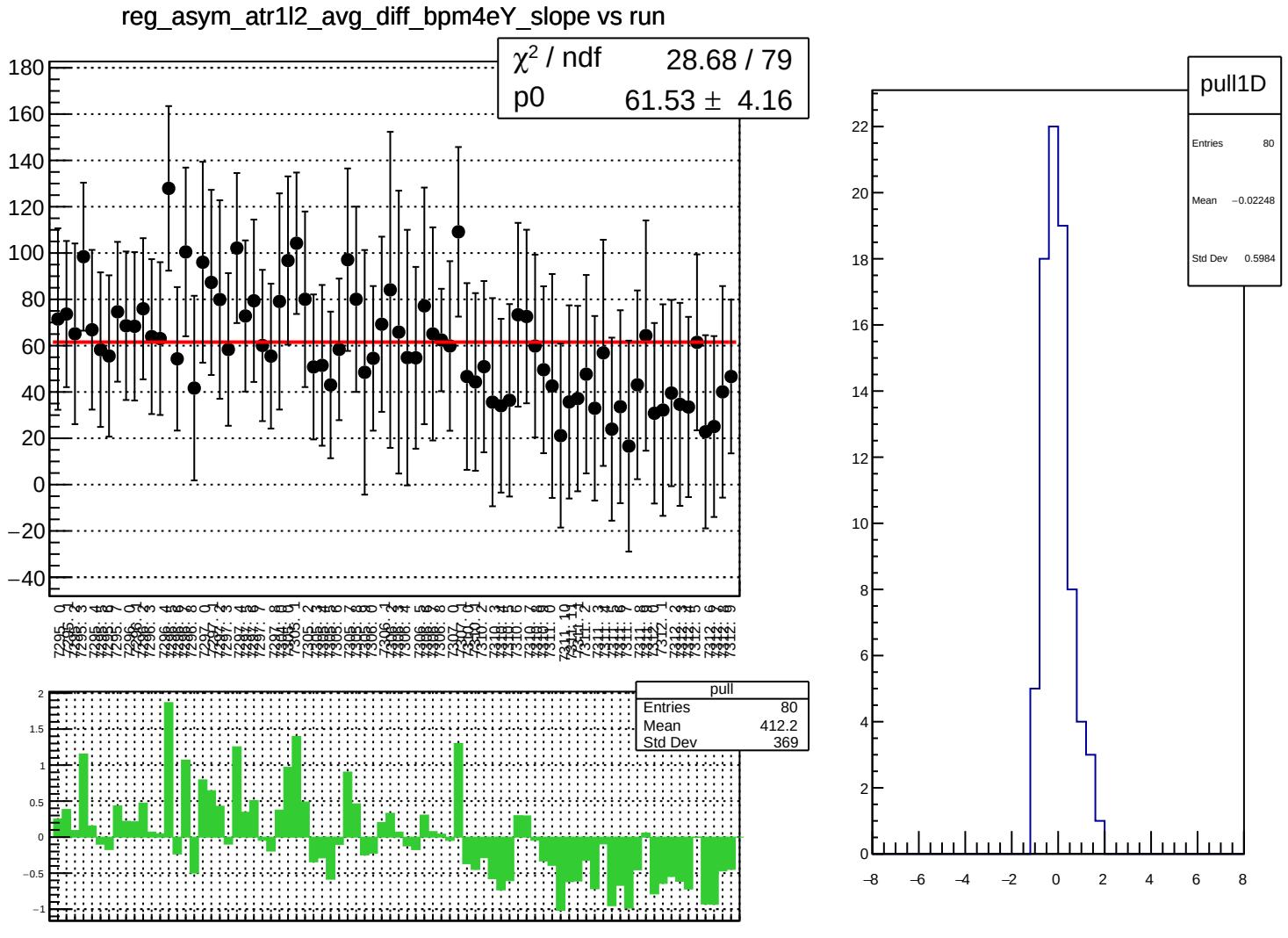

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 50.86 / 79
p0 −163.6 ± 4.132
−100
−150
−200
−250
−300
pull
Entries 80
Mean 140.7
Std Dev 95.16
1.5
1
0.5
0
−0.5
−1
−1.5
−2

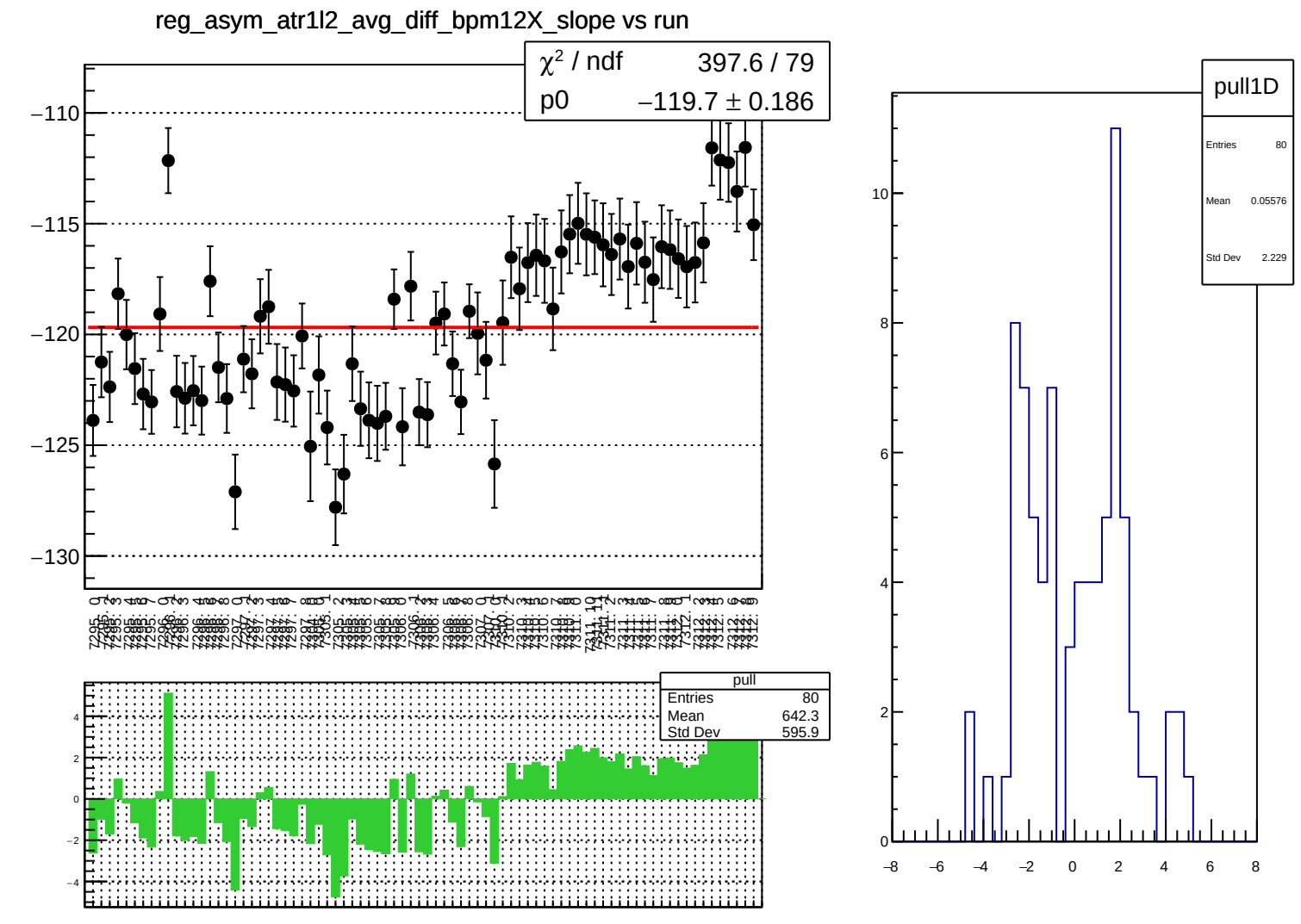

pull1D
Entries 80
Mean −0.1296
Std Dev 0.7867
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

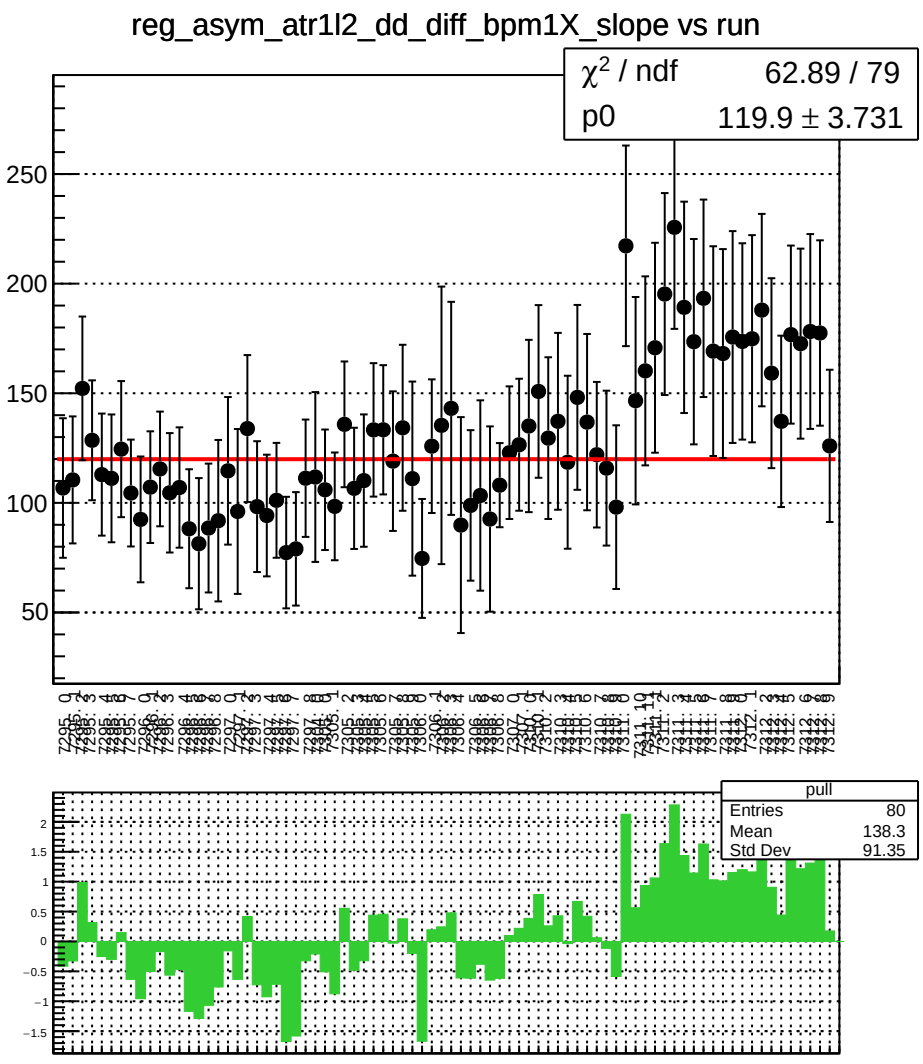

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 79
p0 −7.697 ± 3.874
pull
Entries 80
Mean 628.5
Std Dev 585
pull1D
Entries 80
Mean 0.01257
Std Dev 0.5798

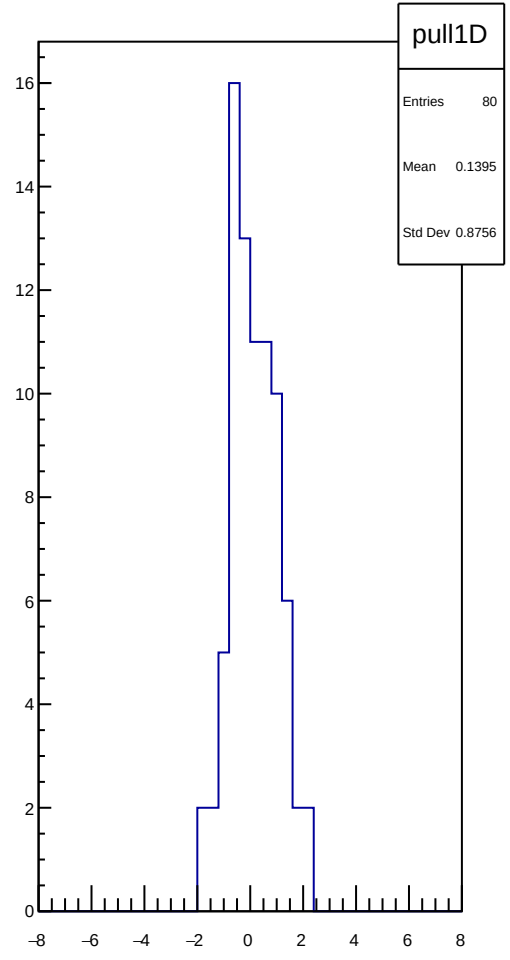

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.57 / 79
p0 104.8 ± 4.09
250
200
150
100
50
pull
Entries 80
Mean 139.9
Std Dev 94.34
2
1.5
1
0.5
0
−0.5
−1
−1.5

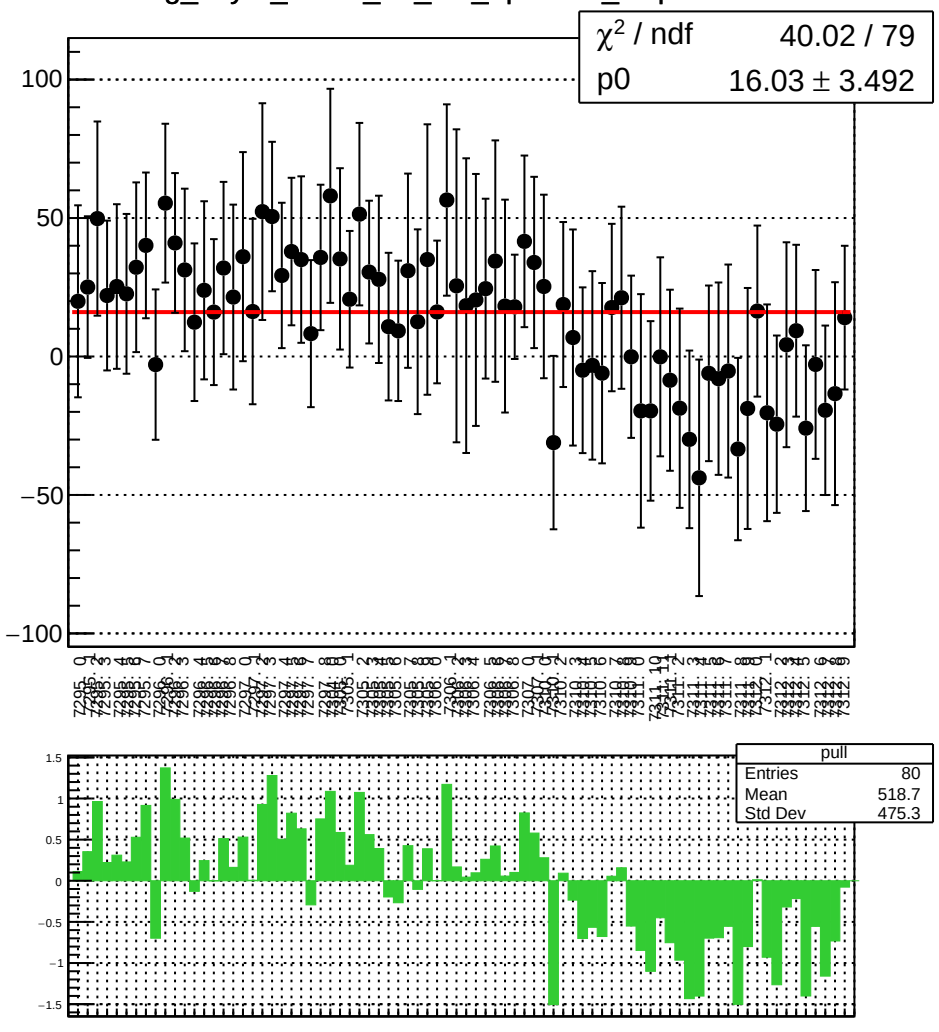

pull1D
Entries 80
Mean 0.1406
Std Dev 0.8215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

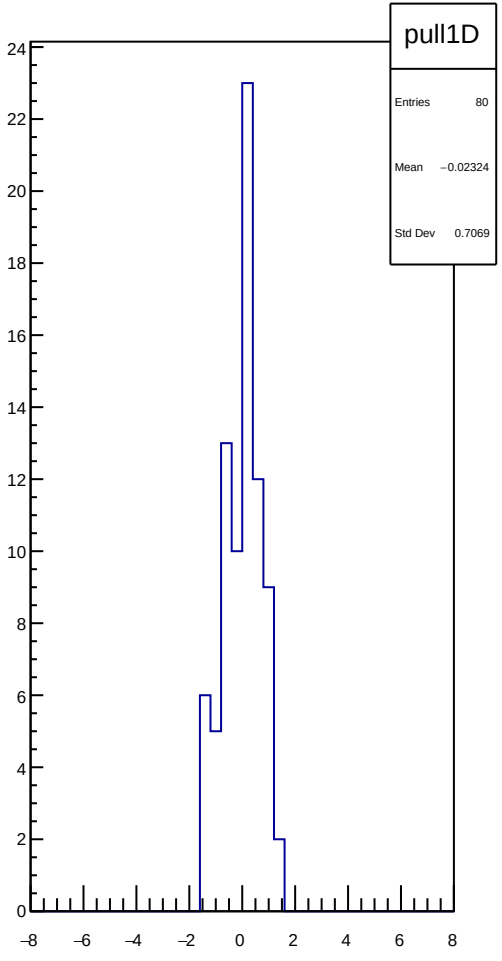

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.68 / 79
p0 61.53 ± 4.16
pull
Entries 80
Mean 412.2
Std Dev 369
pull1D
Entries 80
Mean −0.02248
Std Dev 0.5984

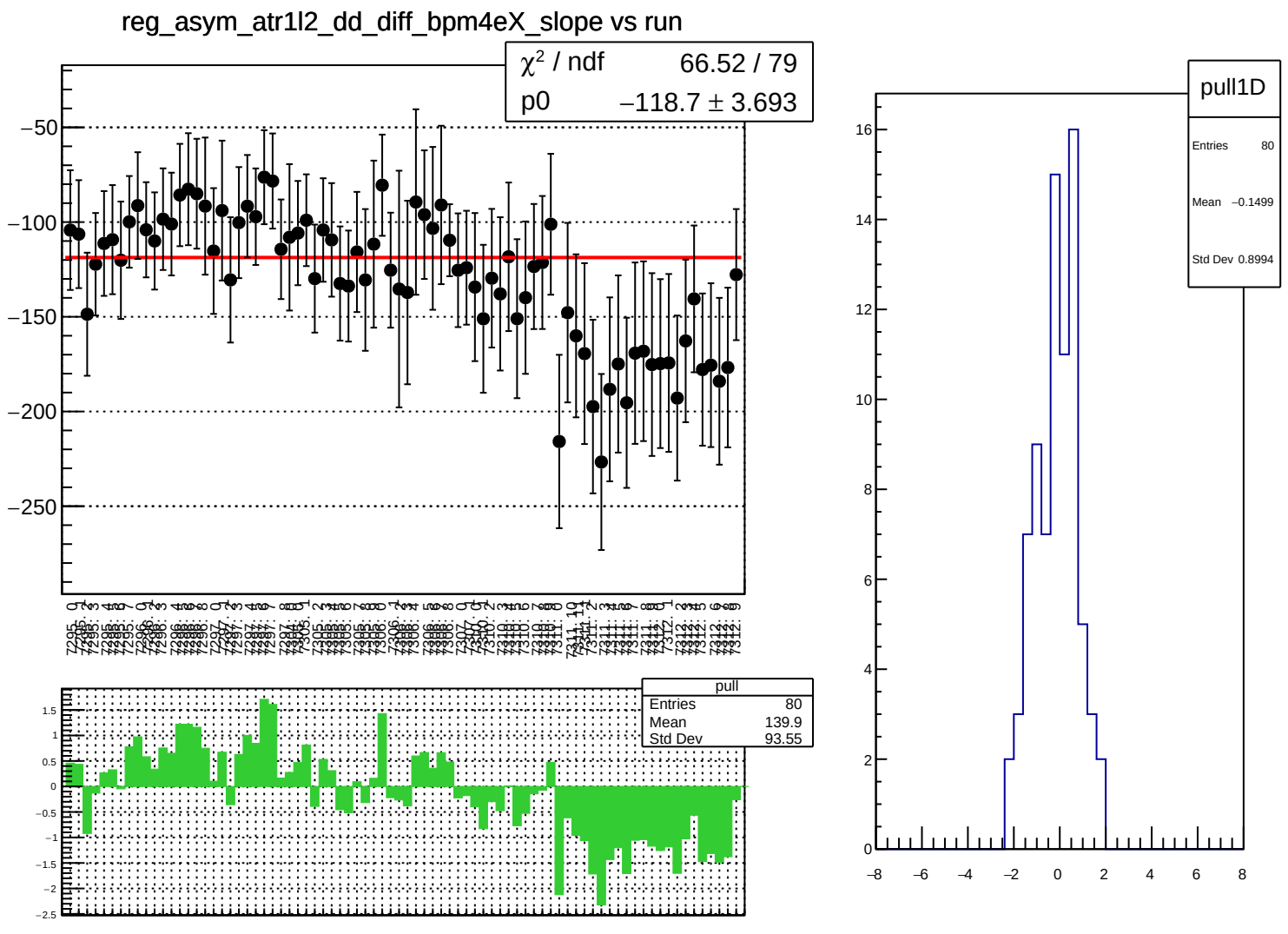

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 397.6 / 79
p0 −119.7 ± 0.186
−110
−115
−120
−125
−130
pull
Entries 80
Mean 642.3
Std Dev 595.9
4
2
0
−2
−4
pull1D
Entries 80
Mean 0.05576
Std Dev 2.229
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

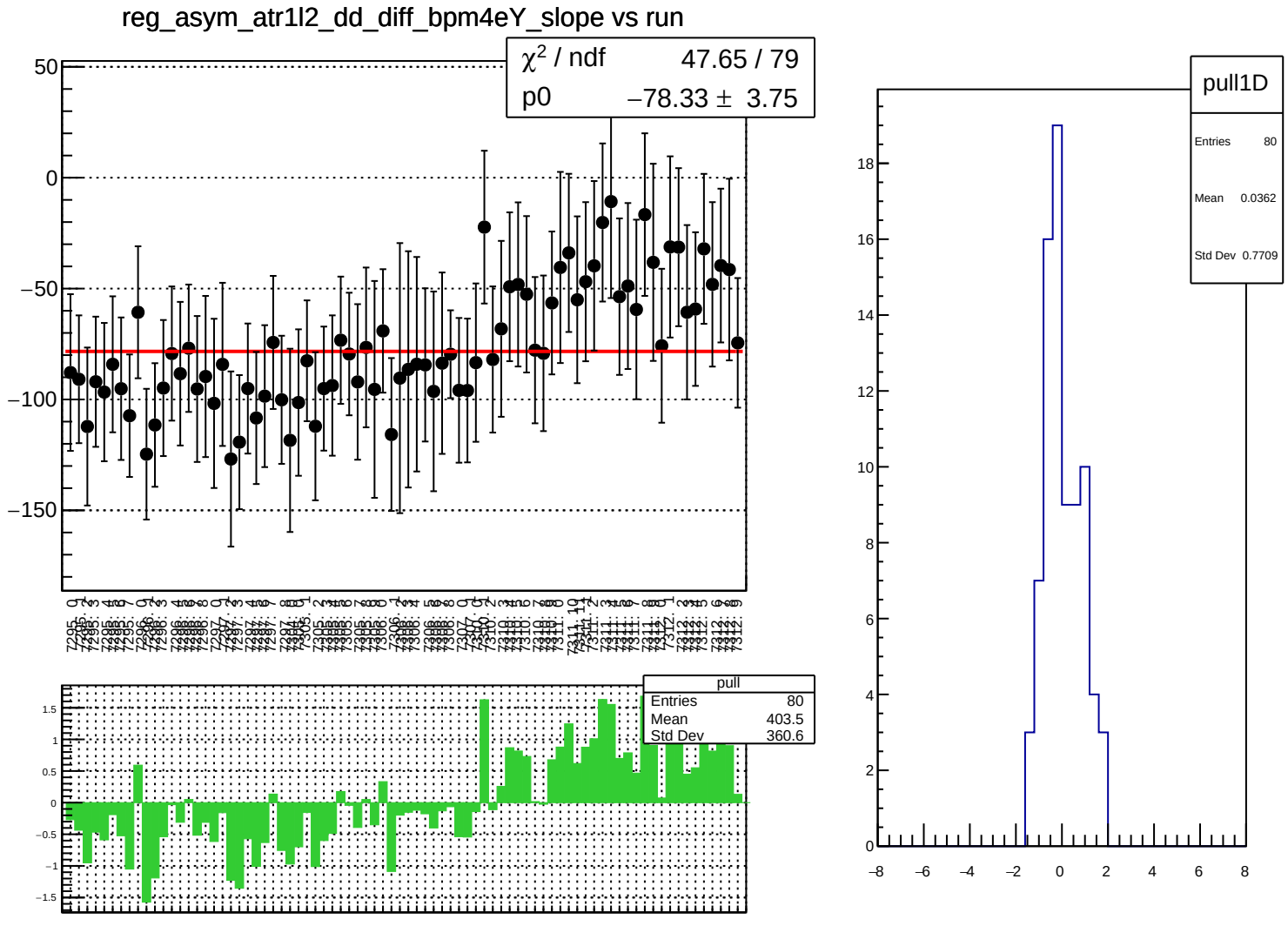

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.89 / 79
p0 119.9 ± 3.731
250
200
150
100
50
pull
Entries 80
Mean 138.3
Std Dev 91.35
2
1.5
1
0.5
0
−0.5
−1
−1.5

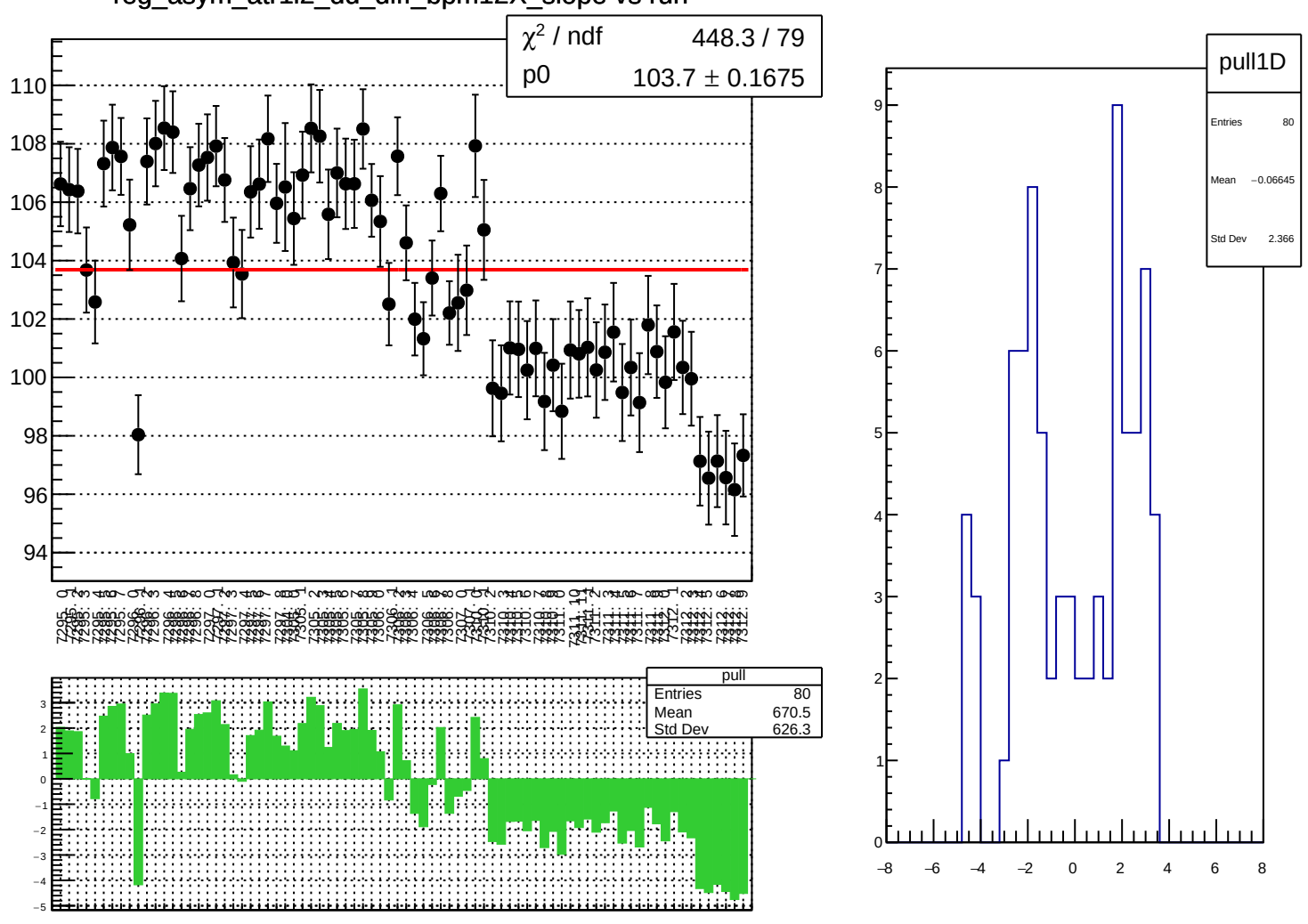

pull1D
Entries 80
Mean 0.1395
Std Dev 0.8756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

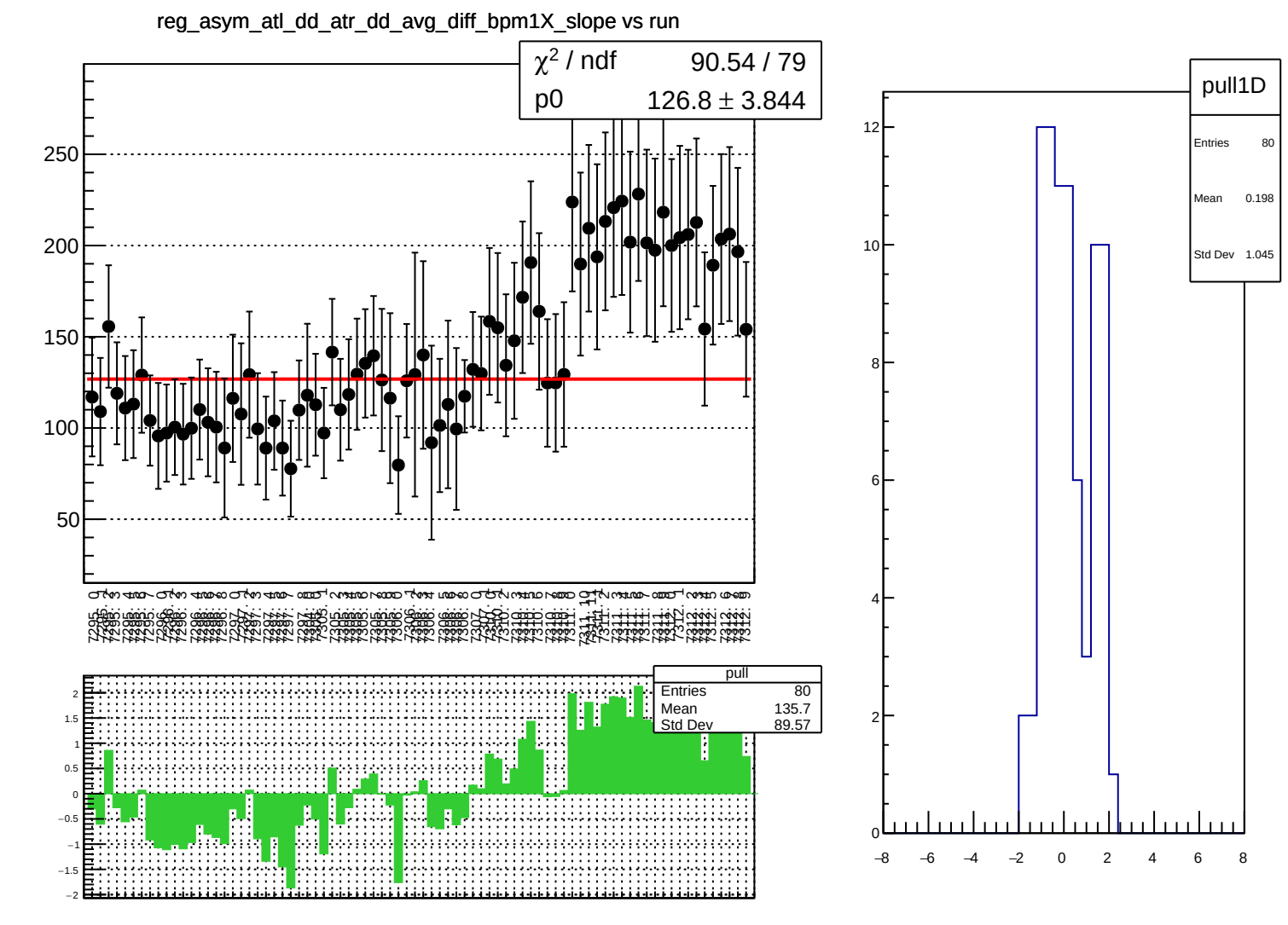

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.02 / 79
p0 16.03 ± 3.492
pull
Entries 80
Mean 518.7
Std Dev 475.3

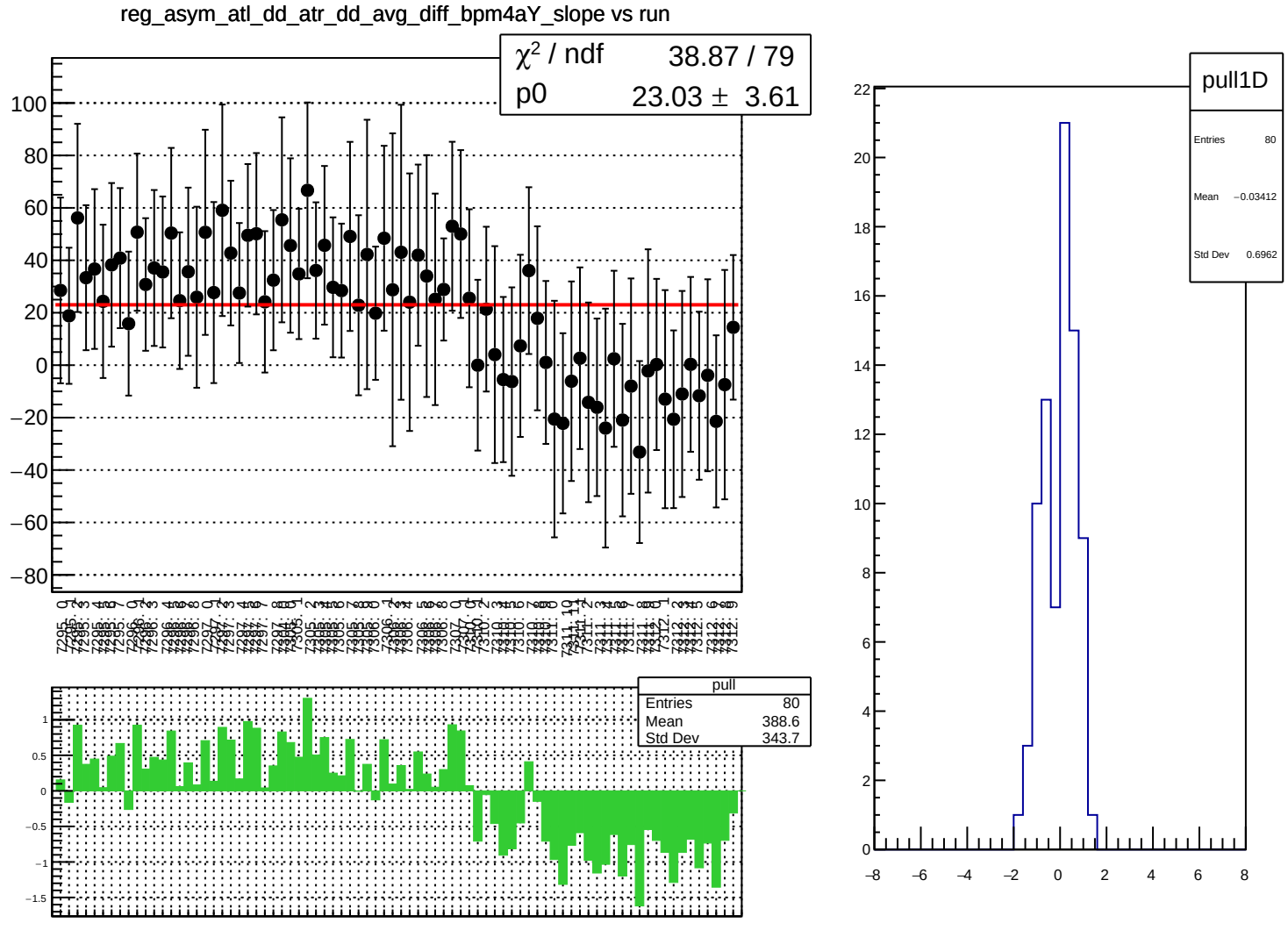

pull1D
Entries 80
Mean −0.02324
Std Dev 0.7069

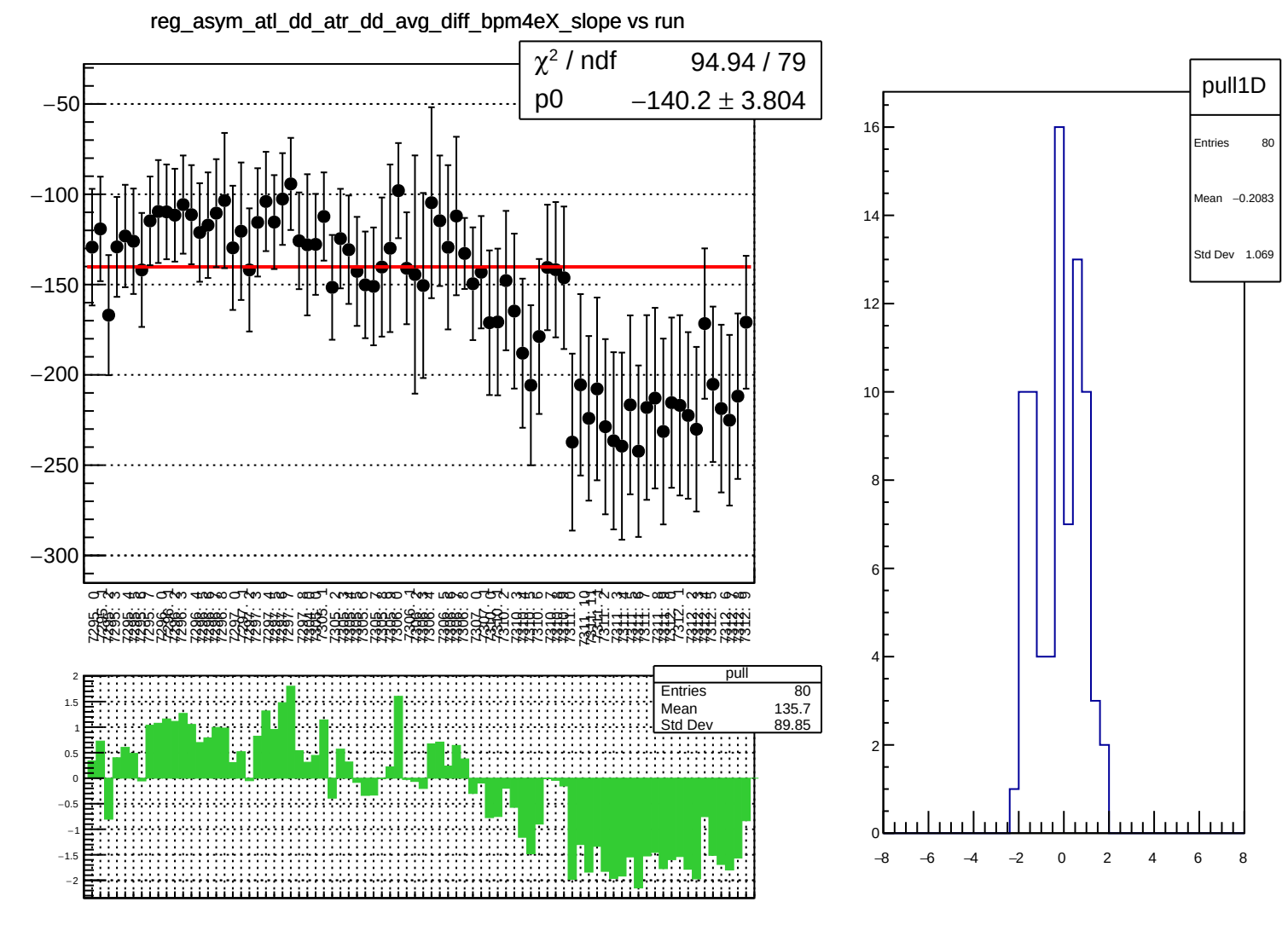

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.52 / 79
p0 −118.7 ± 3.693
−50
−100
−150
−200
−250
pull
Entries 80
Mean 139.9
Std Dev 93.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 80
Mean −0.1499
Std Dev 0.8994
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

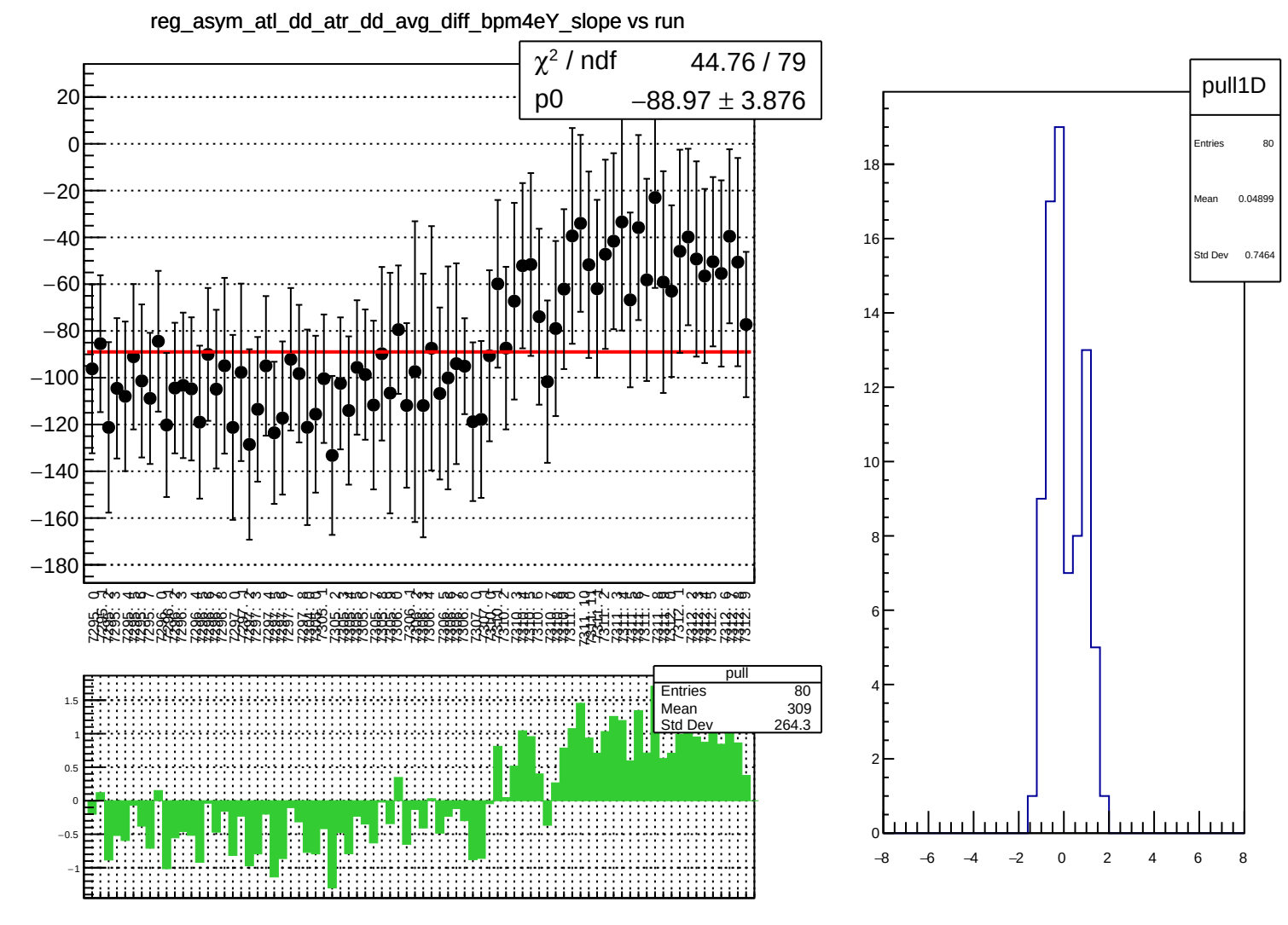

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.65 / 79
p0 −78.33 ± 3.75
pull
Entries 80
Mean 403.5
Std Dev 360.6
pull1D
Entries 80
Mean 0.0362
Std Dev 0.7709

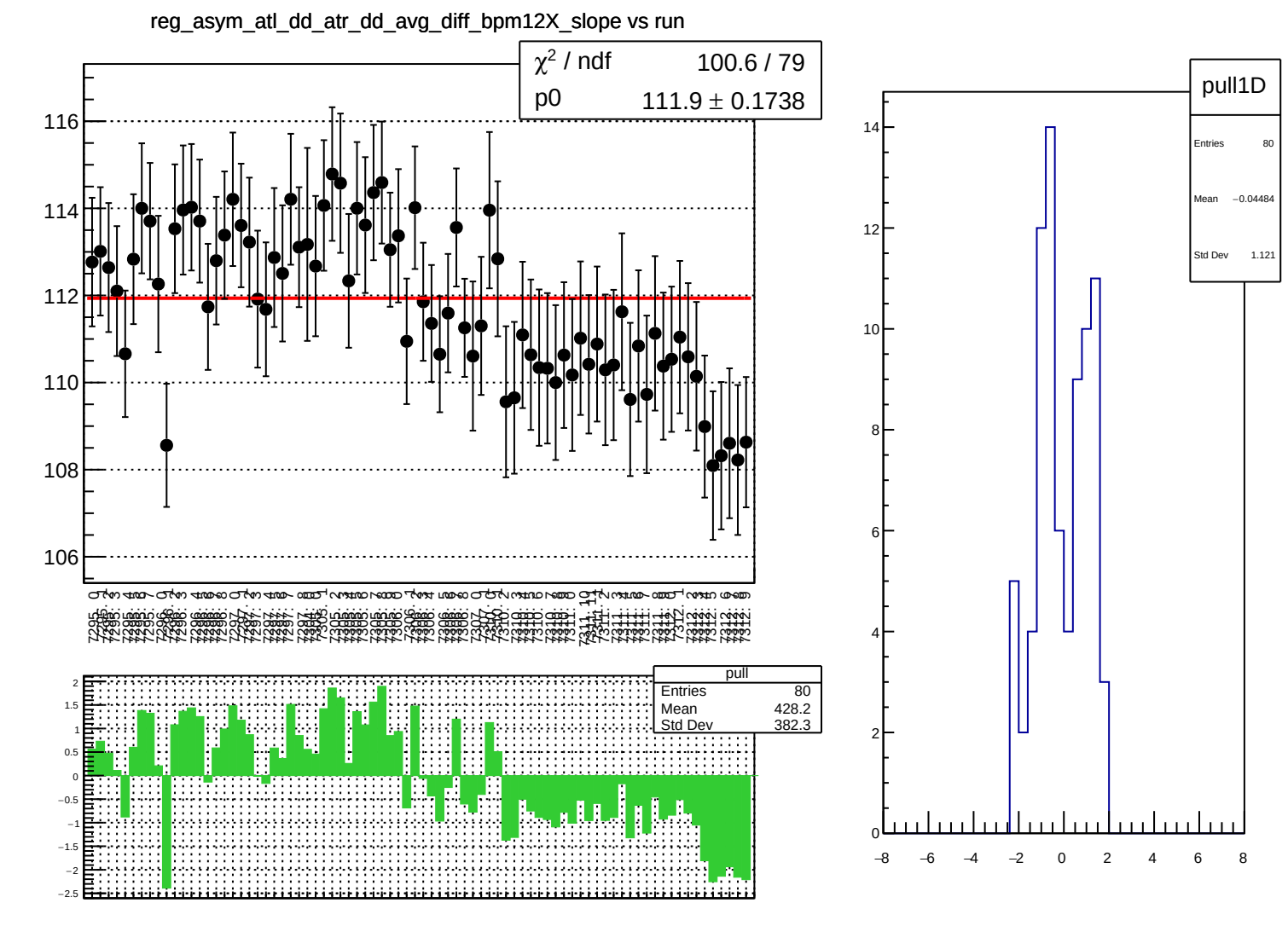

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 448.3 / 79
p0 103.7 ± 0.1675
pull
Entries 80
Mean 670.5
Std Dev 626.3
pull1D
Entries 80
Mean −0.06645
Std Dev 2.366

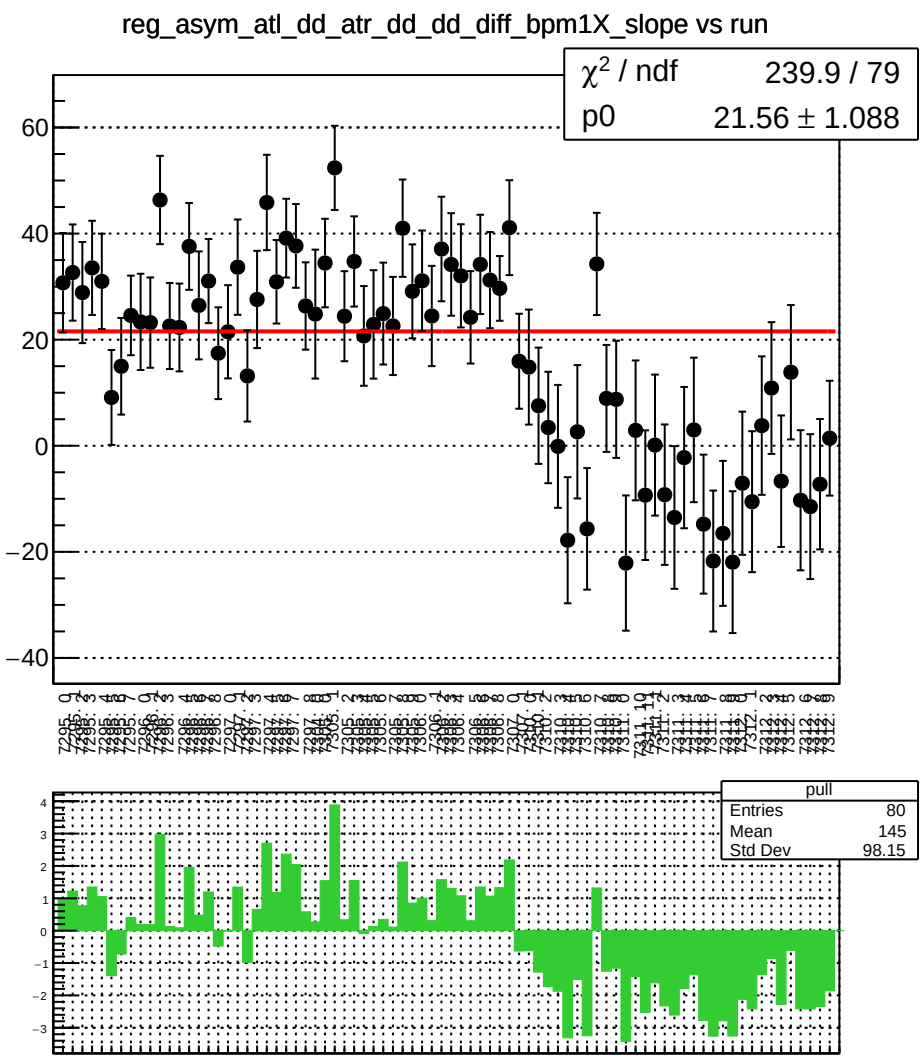

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 90.54 / 79
p0 126.8 ± 3.844
250
200
150
100
50
pull
Entries 80
Mean 135.7
Std Dev 89.57
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.198
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

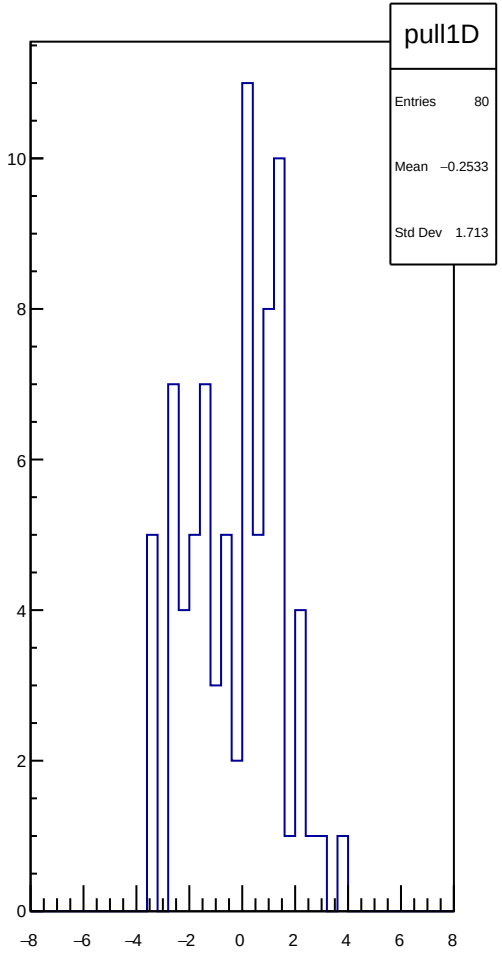

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.87 / 79
p0 23.03 ± 3.61
pull
Entries 80
Mean 388.6
Std Dev 343.7
pull1D
Entries 80
Mean −0.03412
Std Dev 0.6962

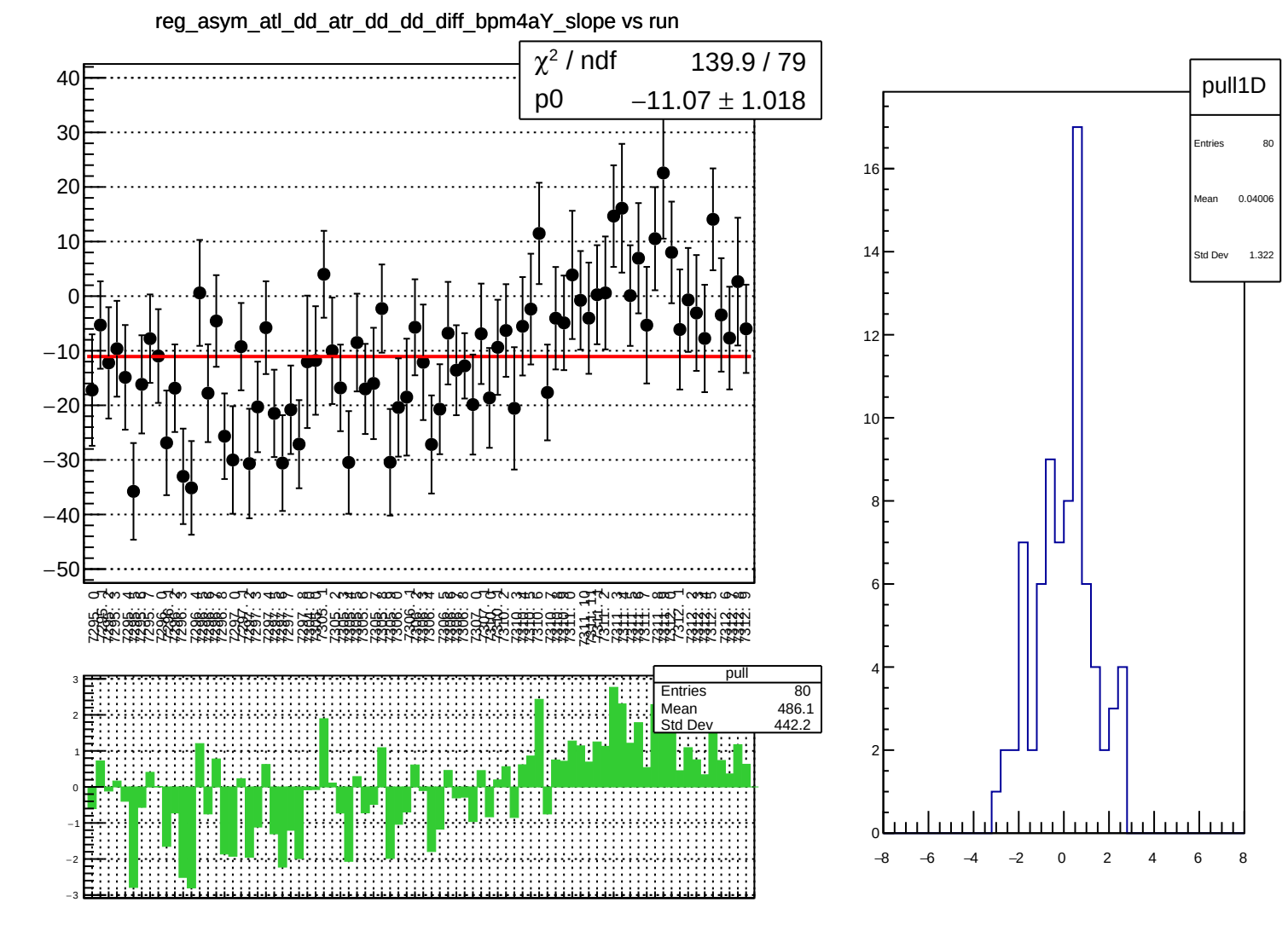

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.94 / 79
p0 −140.2 ± 3.804
pull
Entries 80
Mean 135.7
Std Dev 89.85
pull1D
Entries 80
Mean −0.2083
Std Dev 1.069

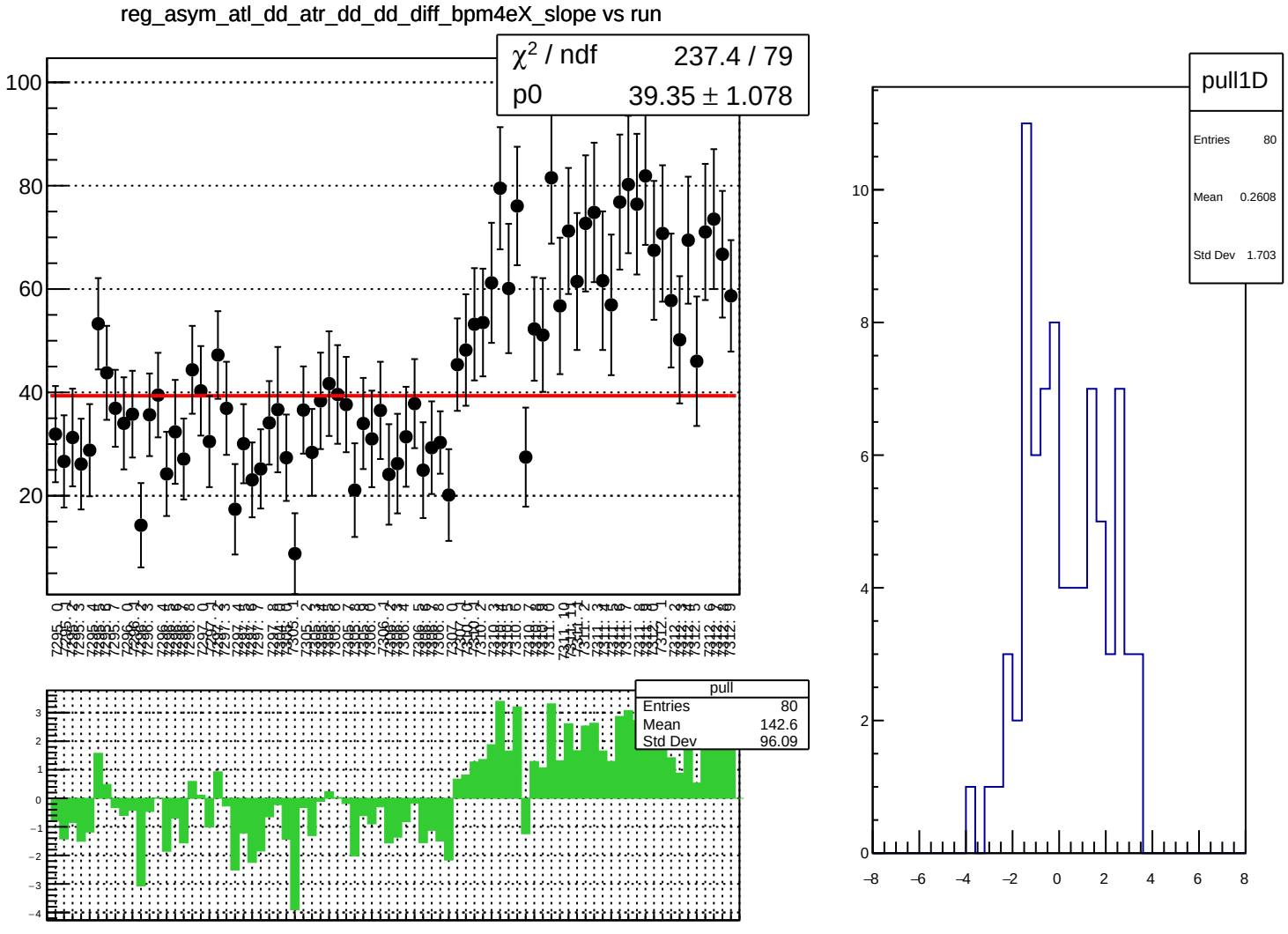

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.76 / 79
p0 −88.97 ± 3.876
pull
Entries 80
Mean 309
Std Dev 264.3
pull1D
Entries 80
Mean 0.04899
Std Dev 0.7464

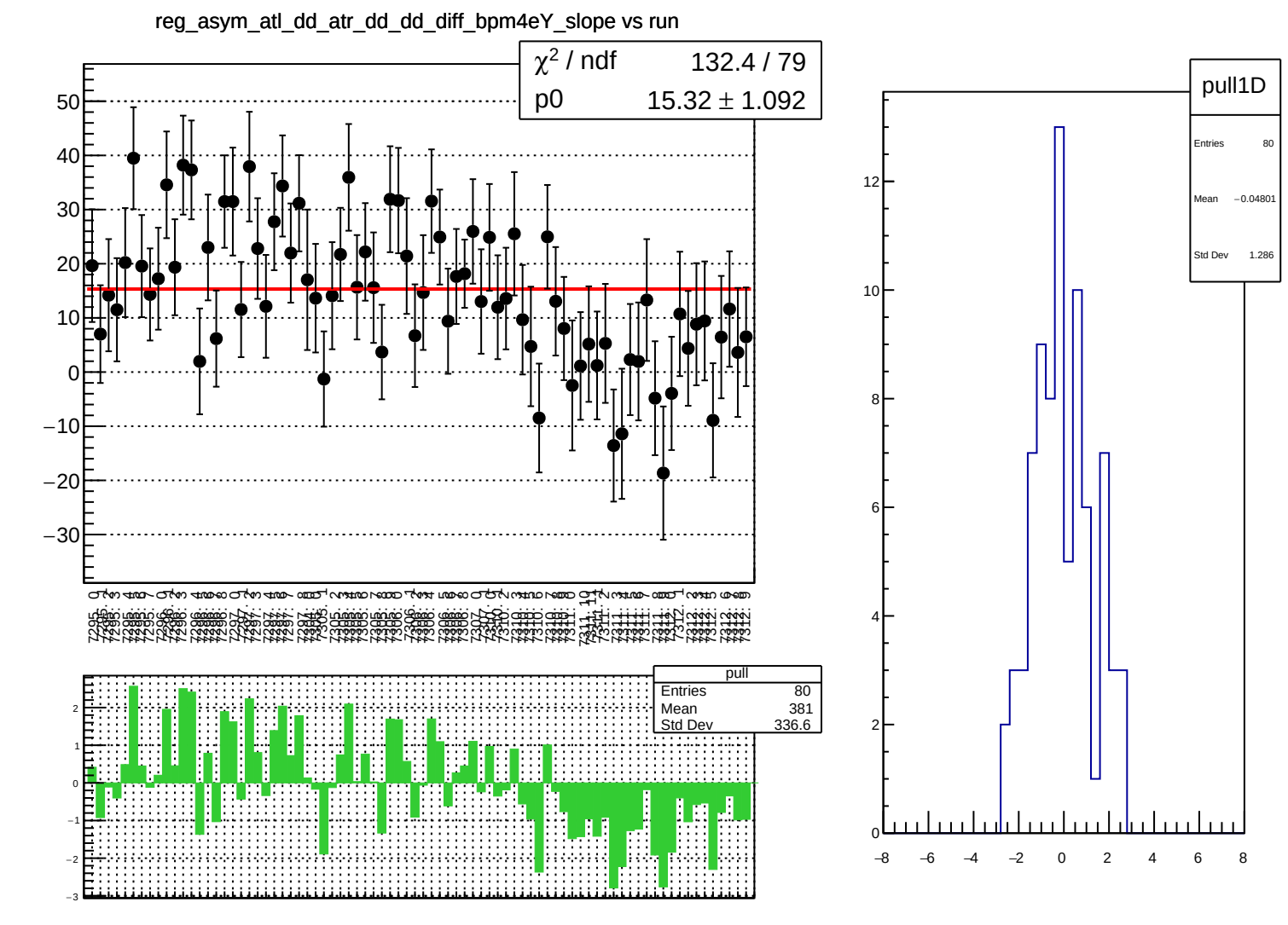

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 100.6 / 79
p0 111.9 ± 0.1738
pull
Entries 80
Mean 428.2
Std Dev 382.3
pull1D
Entries 80
Mean −0.04484
Std Dev 1.121

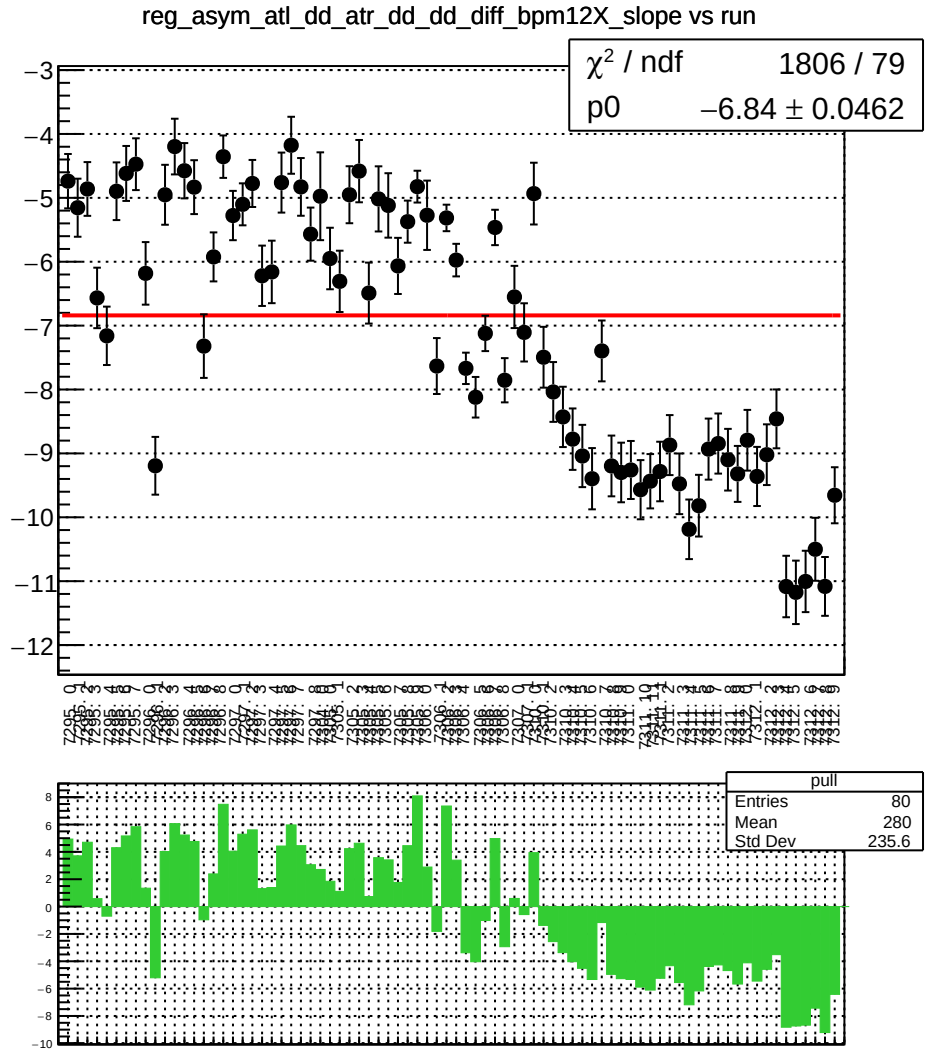

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 239.9 / 79
p0 21.56 ± 1.088
pull
Entries 80
Mean 145
Std Dev 98.15

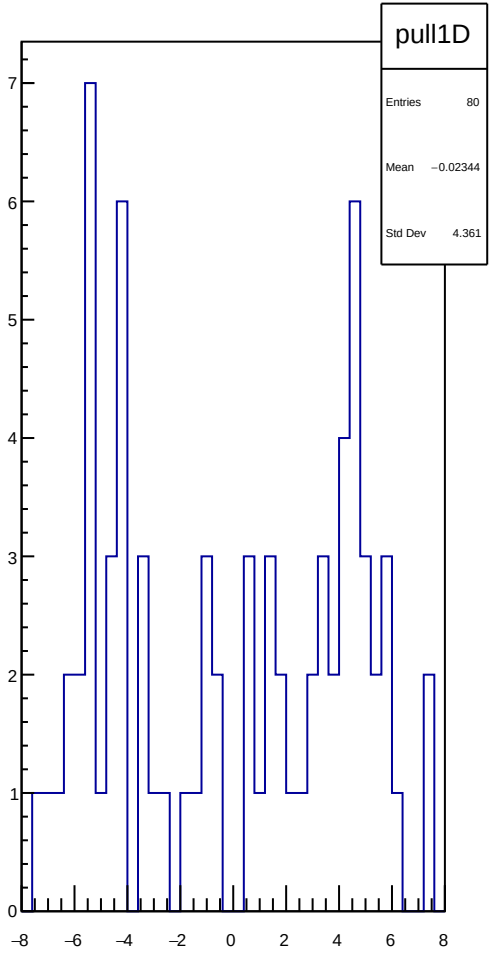

pull1D
Entries 80
Mean −0.2533
Std Dev 1.713

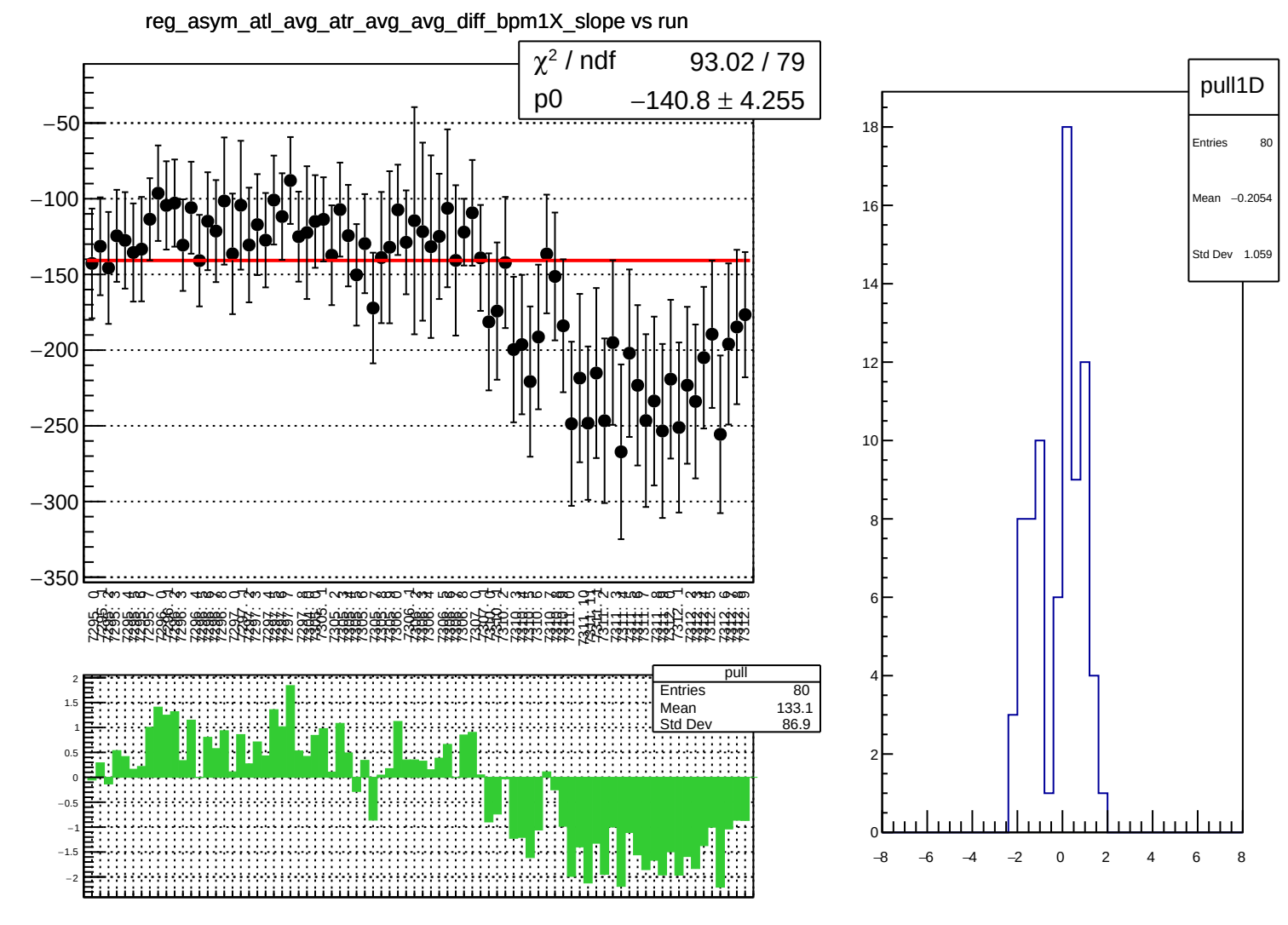

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 139.9 / 79
p0 −11.07 ± 1.018
pull
Entries 80
Mean 486.1
Std Dev 442.2
pull1D
Entries 80
Mean 0.04006
Std Dev 1.322

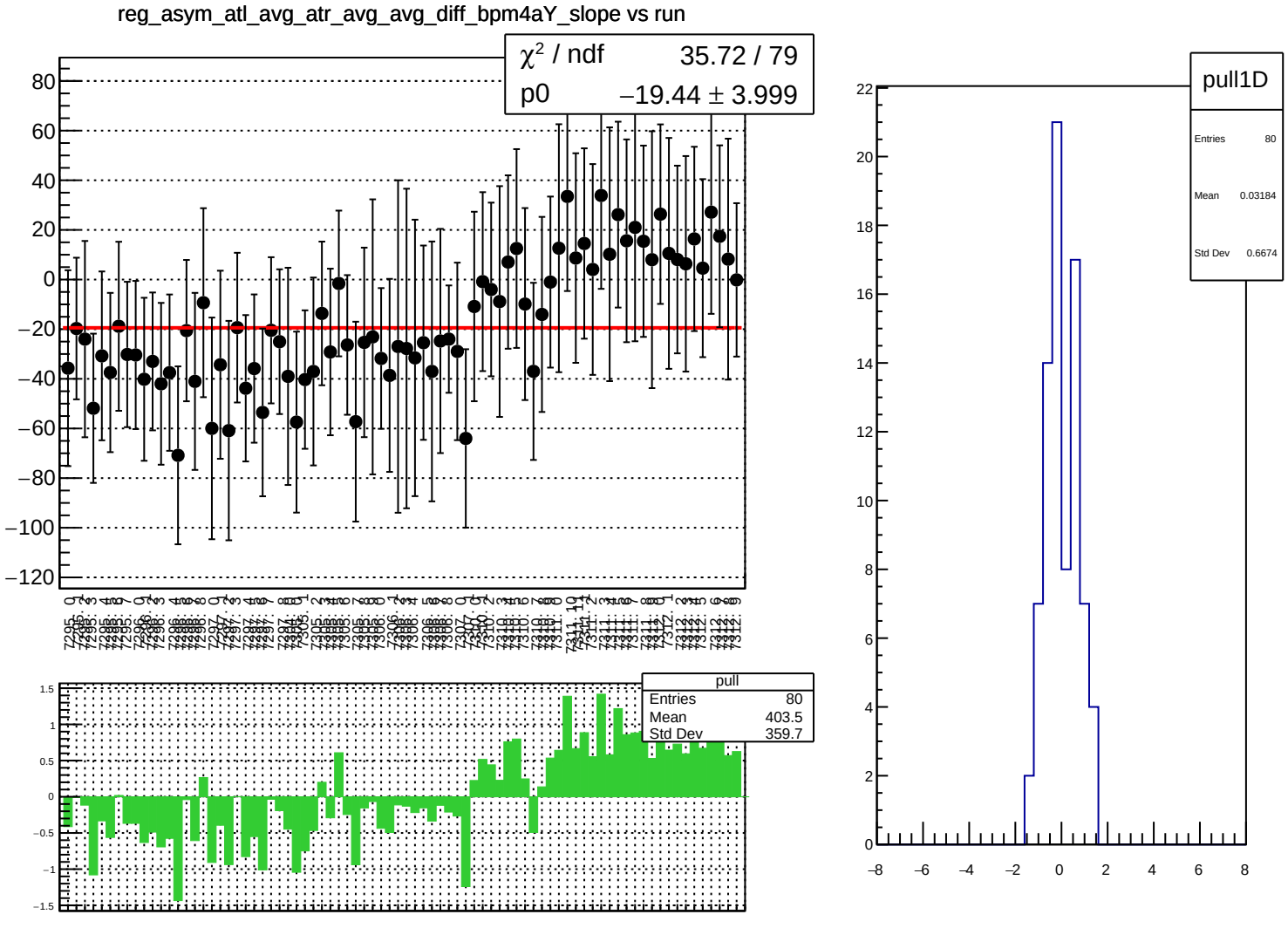

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 237.4 / 79
p0 39.35 ± 1.078
pull
Entries 80
Mean 142.6
Std Dev 96.09
pull1D
Entries 80
Mean 0.2608
Std Dev 1.703

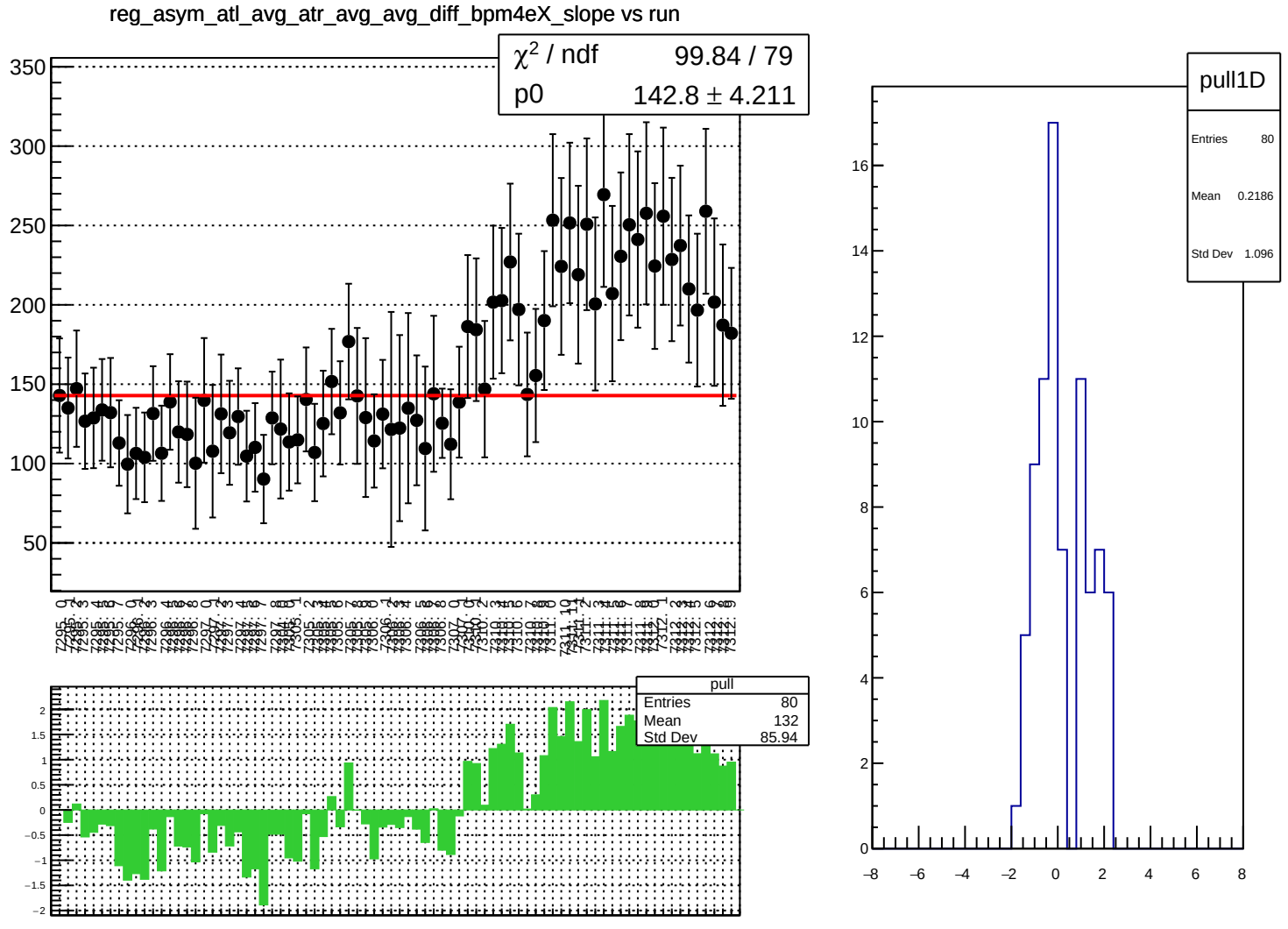

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.4 / 79
p0 15.32 ± 1.092
pull
Entries 80
Mean 381
Std Dev 336.6
pull1D
Entries 80
Mean −0.04801
Std Dev 1.286

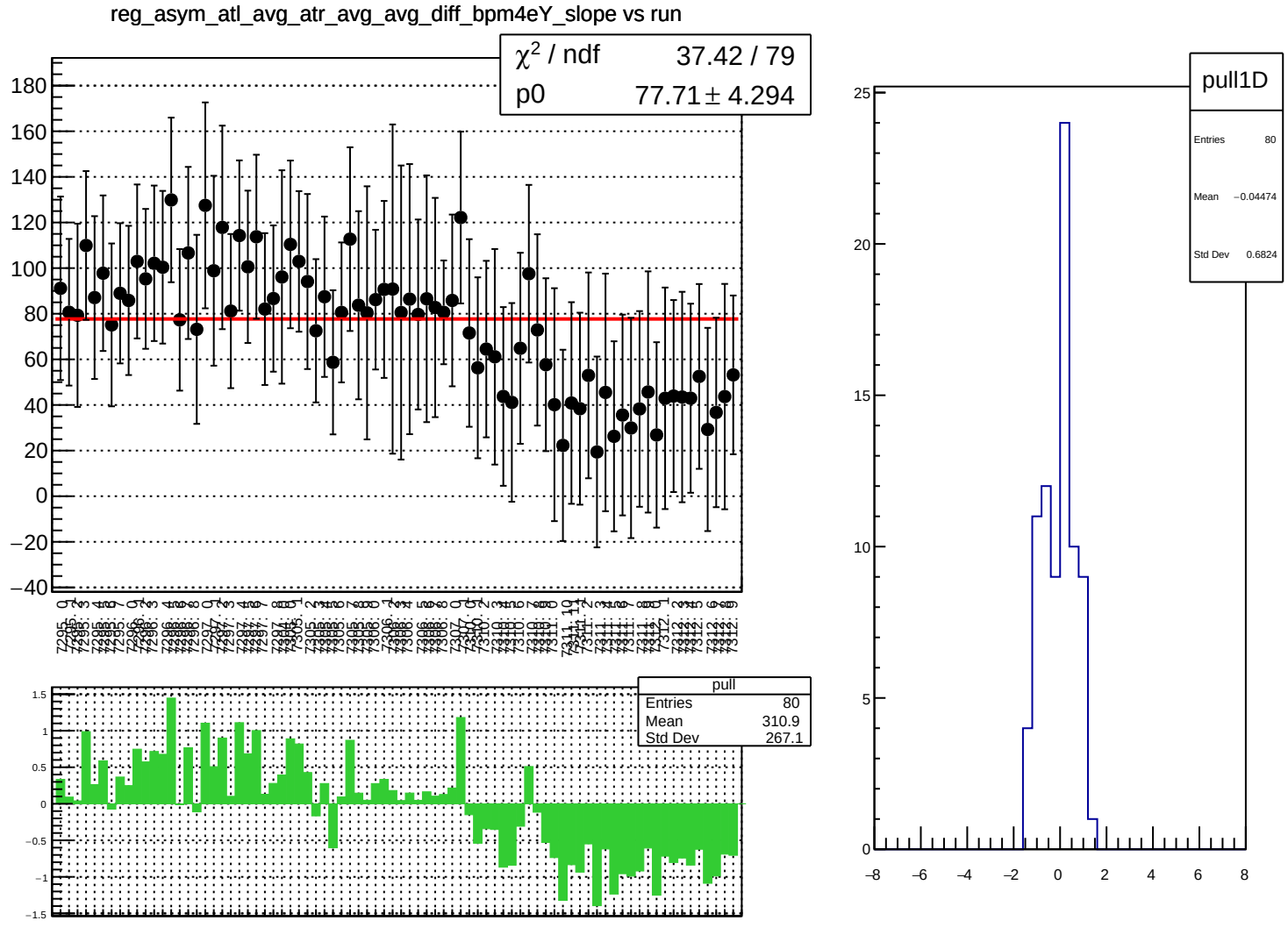

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1806 / 79
p0 −6.84 ± 0.0462
pull
Entries 80
Mean 280
Std Dev 235.6

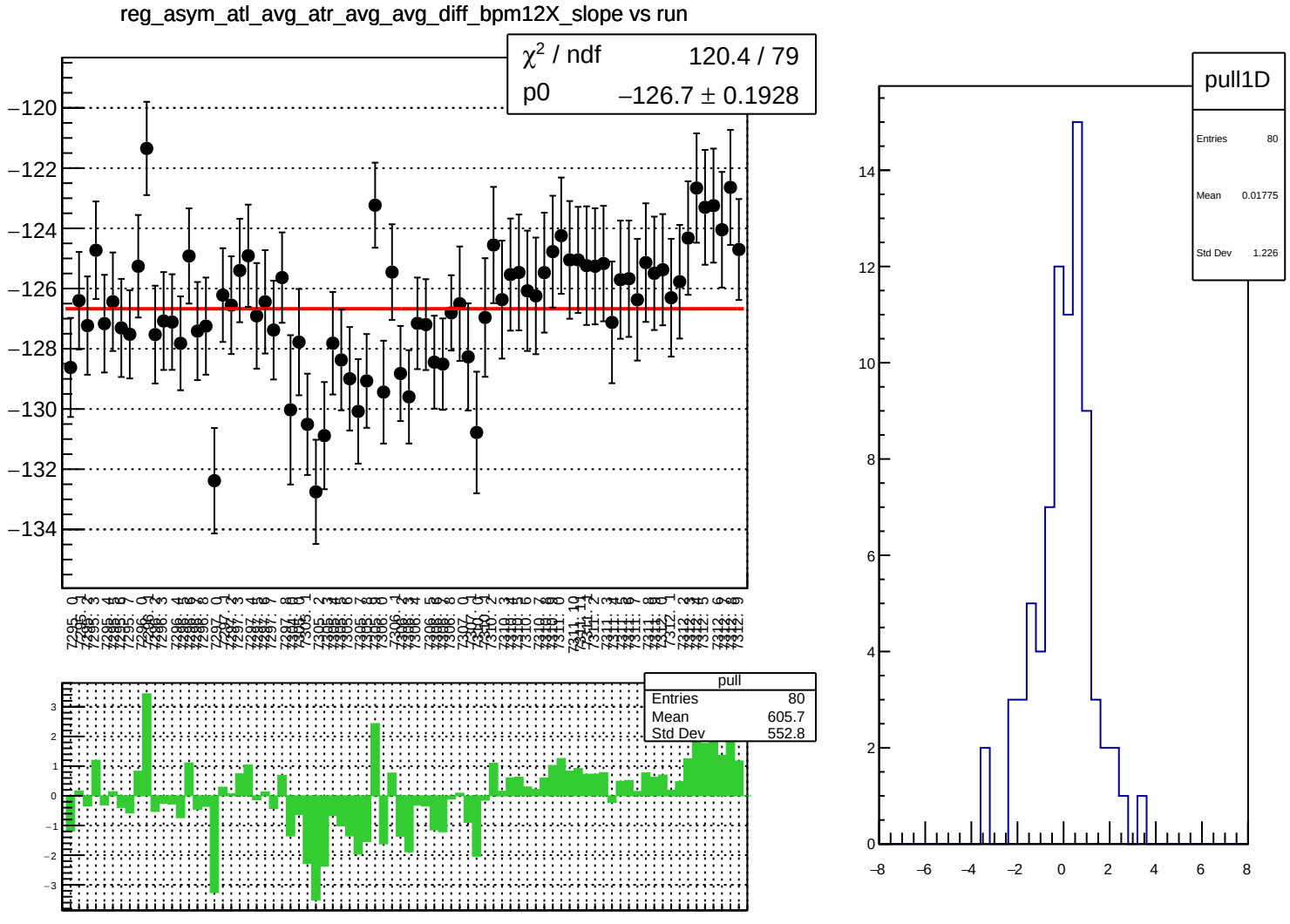

pull1D
Entries 80
Mean −0.02344
Std Dev 4.361

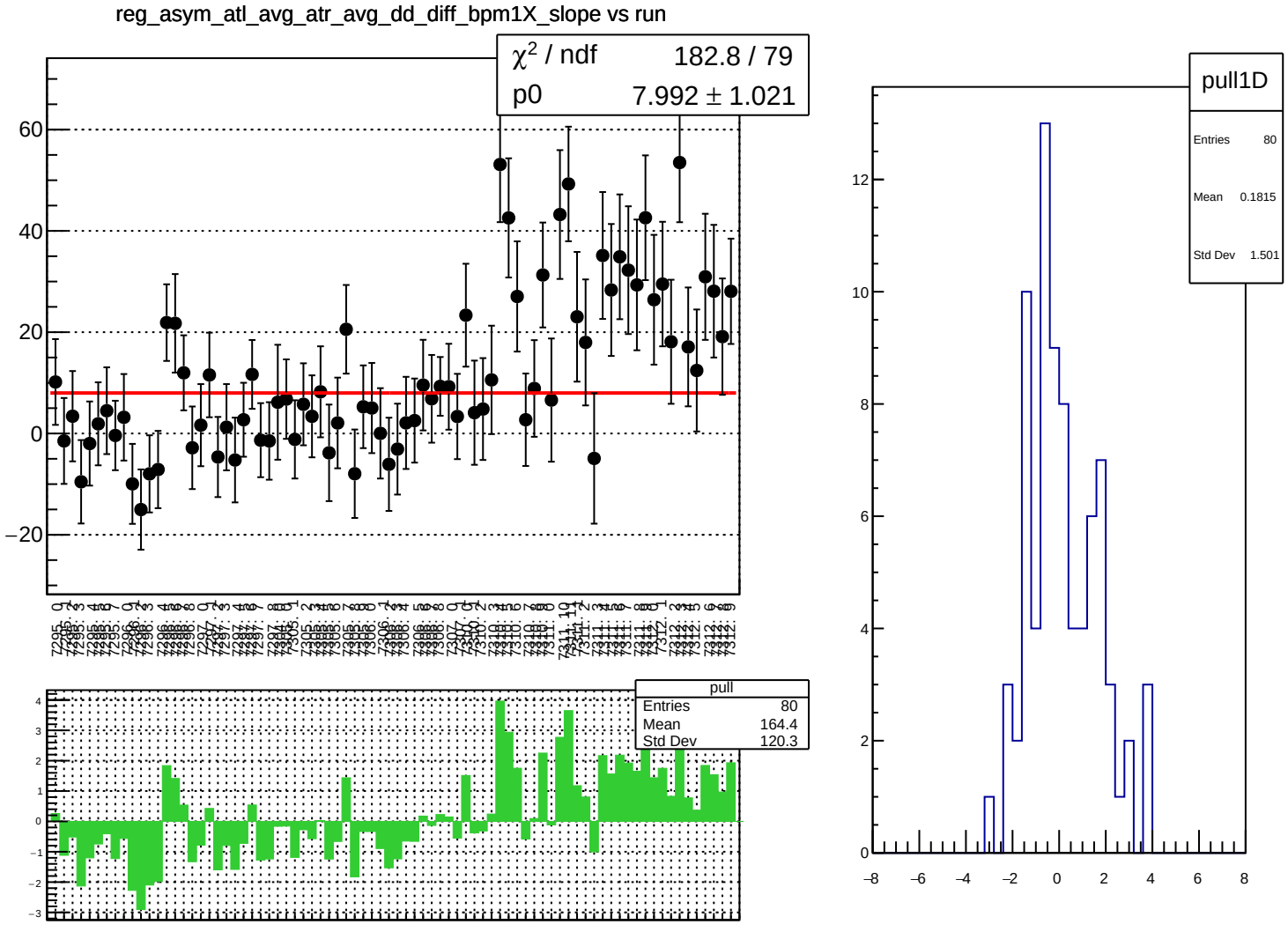

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 93.02 / 79
p0 −140.8 ± 4.255
pull
Entries 80
Mean 133.1
Std Dev 86.9
pull1D
Entries 80
Mean −0.2054
Std Dev 1.059

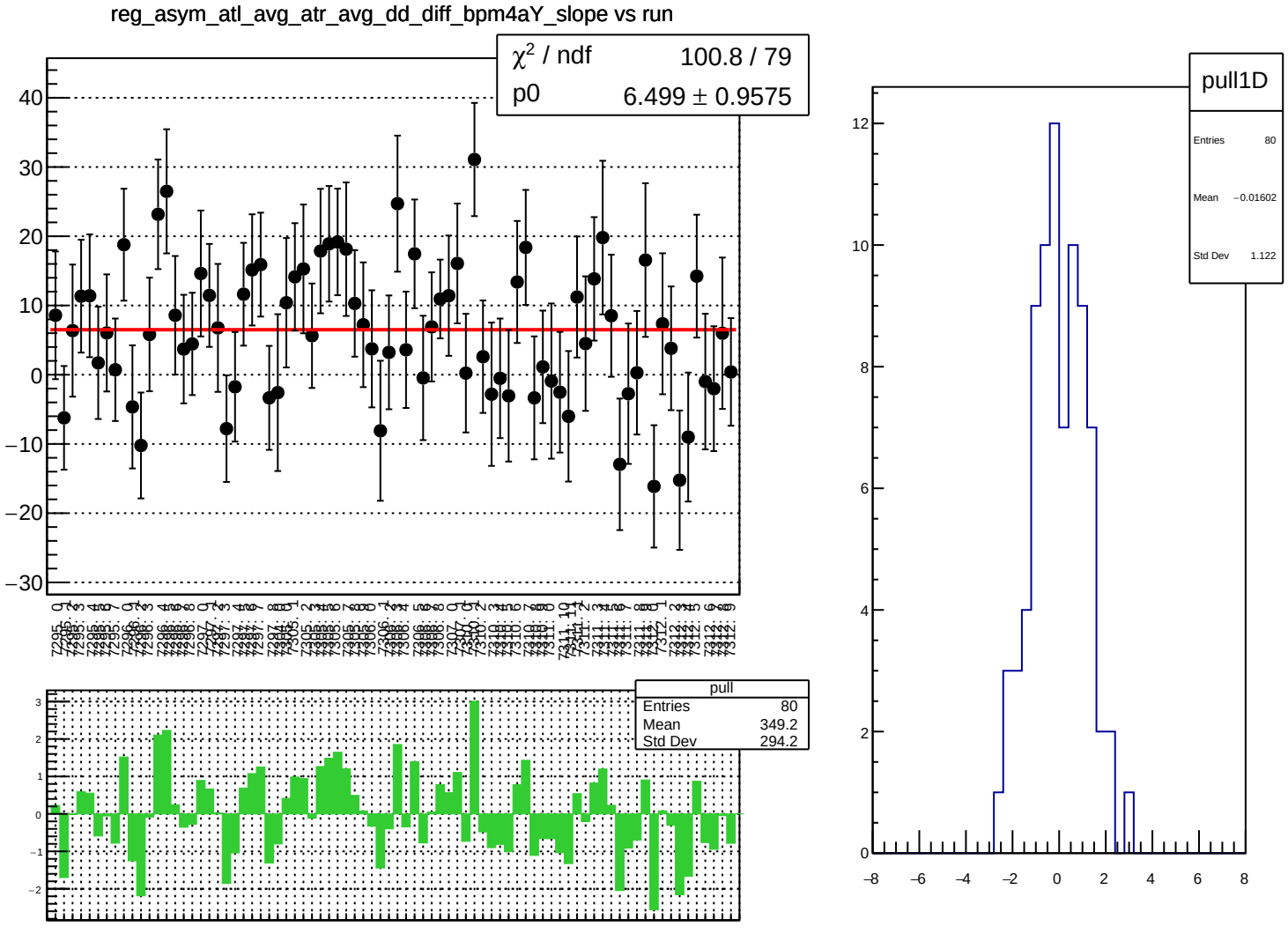

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 79
p0 −19.44 ± 3.999
pull
Entries 80
Mean 403.5
Std Dev 359.7
pull1D
Entries 80
Mean 0.03184
Std Dev 0.6674

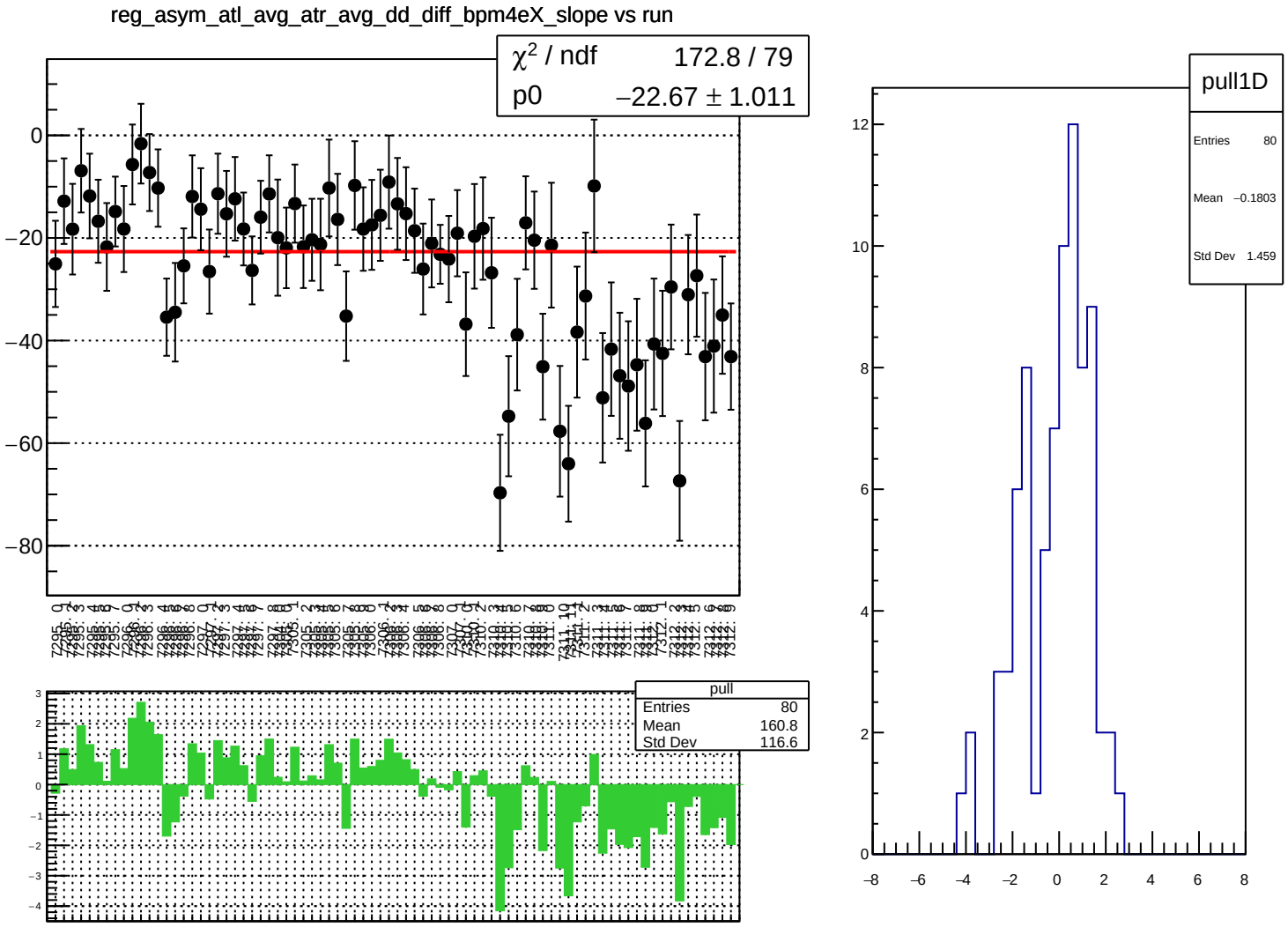

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.84 / 79
p0 142.8 ± 4.211
pull
Entries 80
Mean 132
Std Dev 85.94
pull1D
Entries 80
Mean 0.2186
Std Dev 1.096

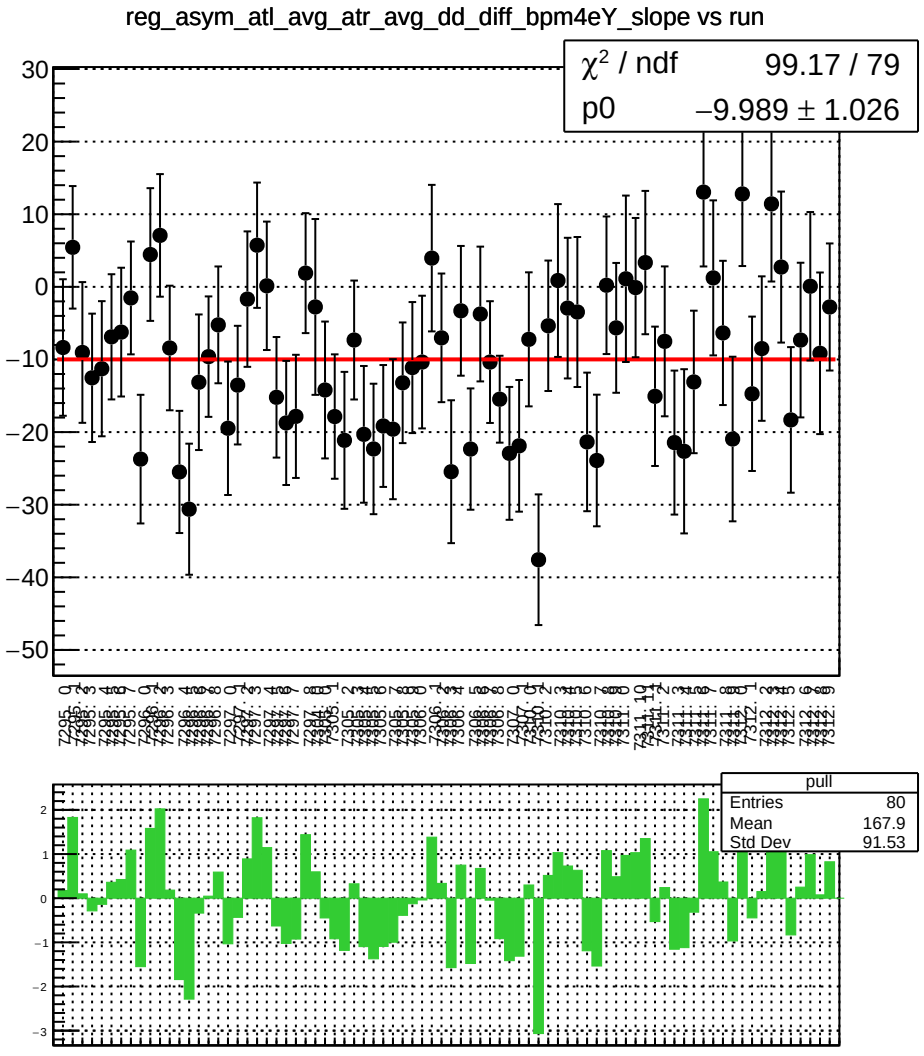

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.42 / 79
p0 77.71 ± 4.294
pull
Entries 80
Mean 310.9
Std Dev 267.1
pull1D
Entries 80
Mean −0.04474
Std Dev 0.6824

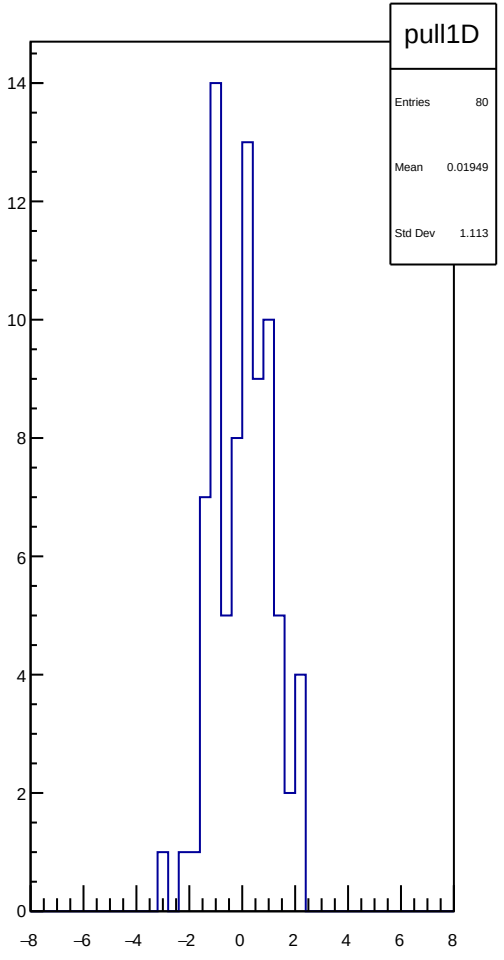

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 120.4 / 79
p0 −126.7 ± 0.1928
pull
Entries 80
Mean 605.7
Std Dev 552.8
pull1D
Entries 80
Mean 0.01775
Std Dev 1.226

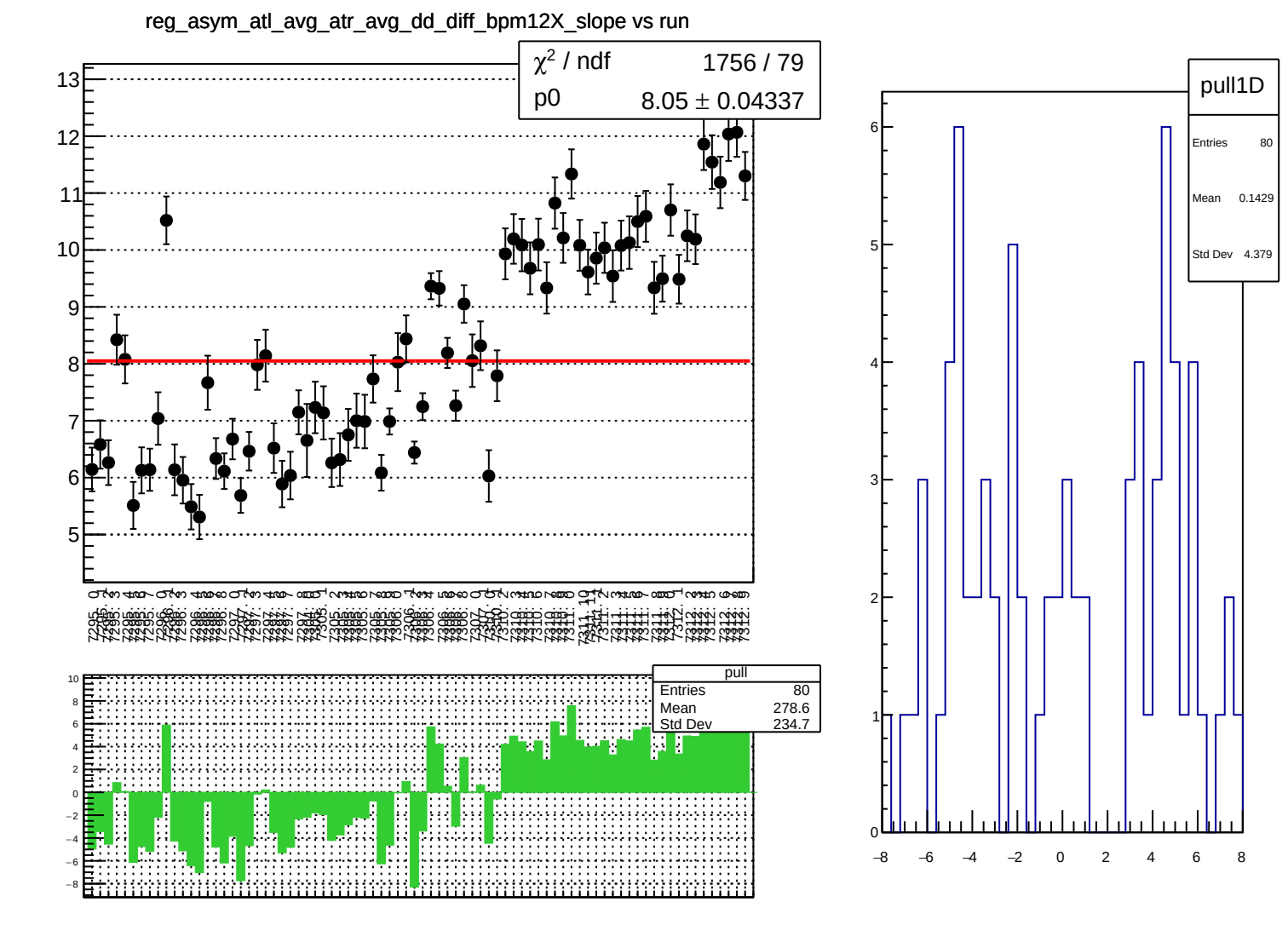

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 182.8 / 79
p0 7.992 ± 1.021
pull
Entries 80
Mean 164.4
Std Dev 120.3
pull1D
Entries 80
Mean 0.1815
Std Dev 1.501

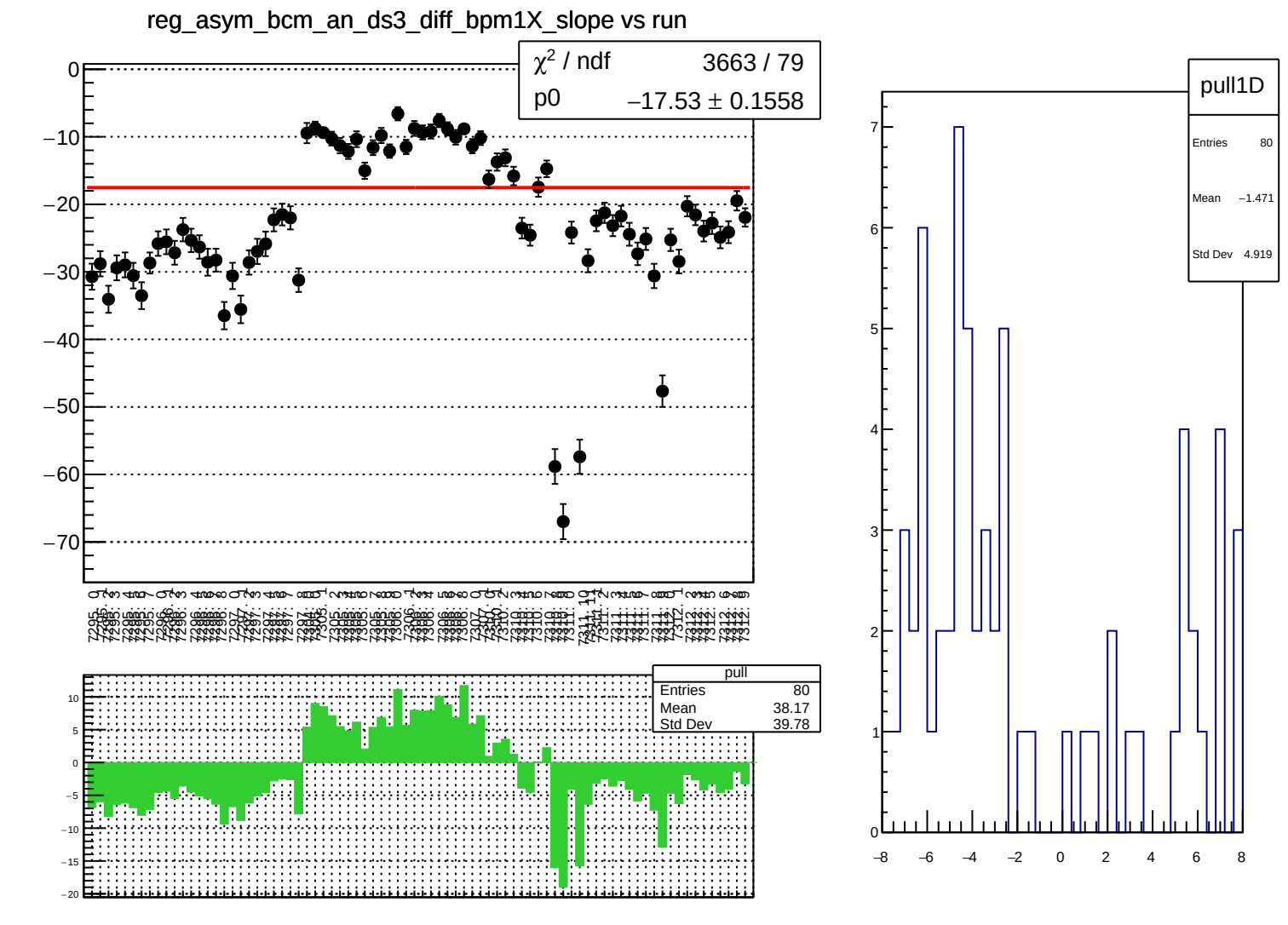

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 79
p0 6.499 ± 0.9575
pull
Entries 80
Mean 349.2
Std Dev 294.2
pull1D
Entries 80
Mean −0.01602
Std Dev 1.122

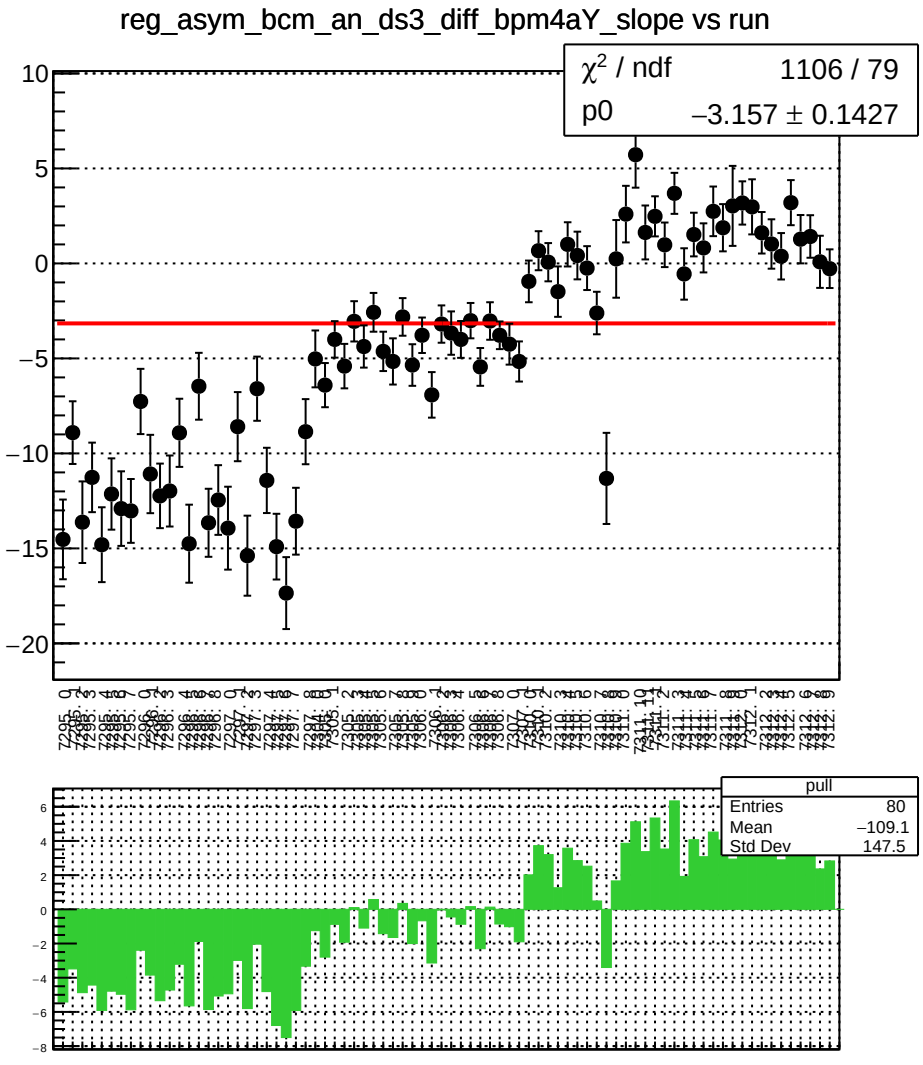

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 172.8 / 79
p0 −22.67 ± 1.011
pull
Entries 80
Mean 160.8
Std Dev 116.6
pull1D
Entries 80
Mean −0.1803
Std Dev 1.459

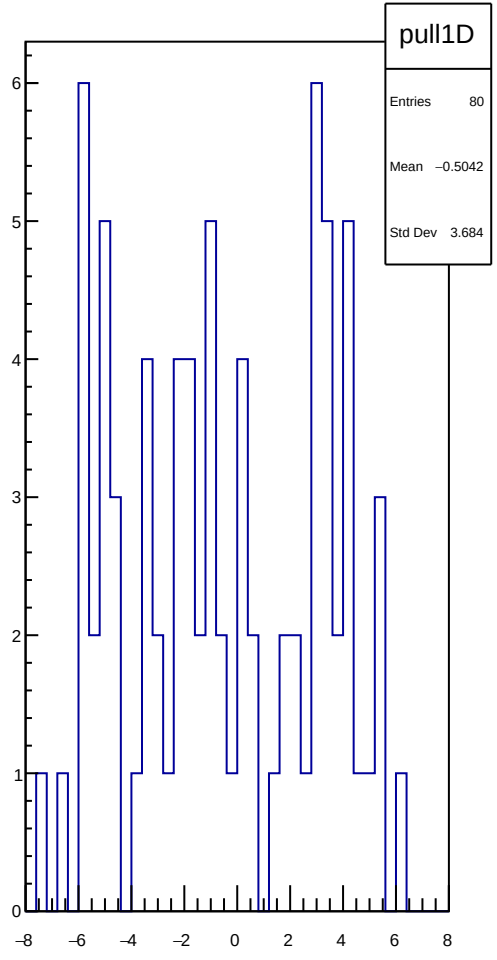

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.17 / 79
p0 −9.989 ± 1.026
pull
Entries 80
Mean 167.9
Std Dev 91.53

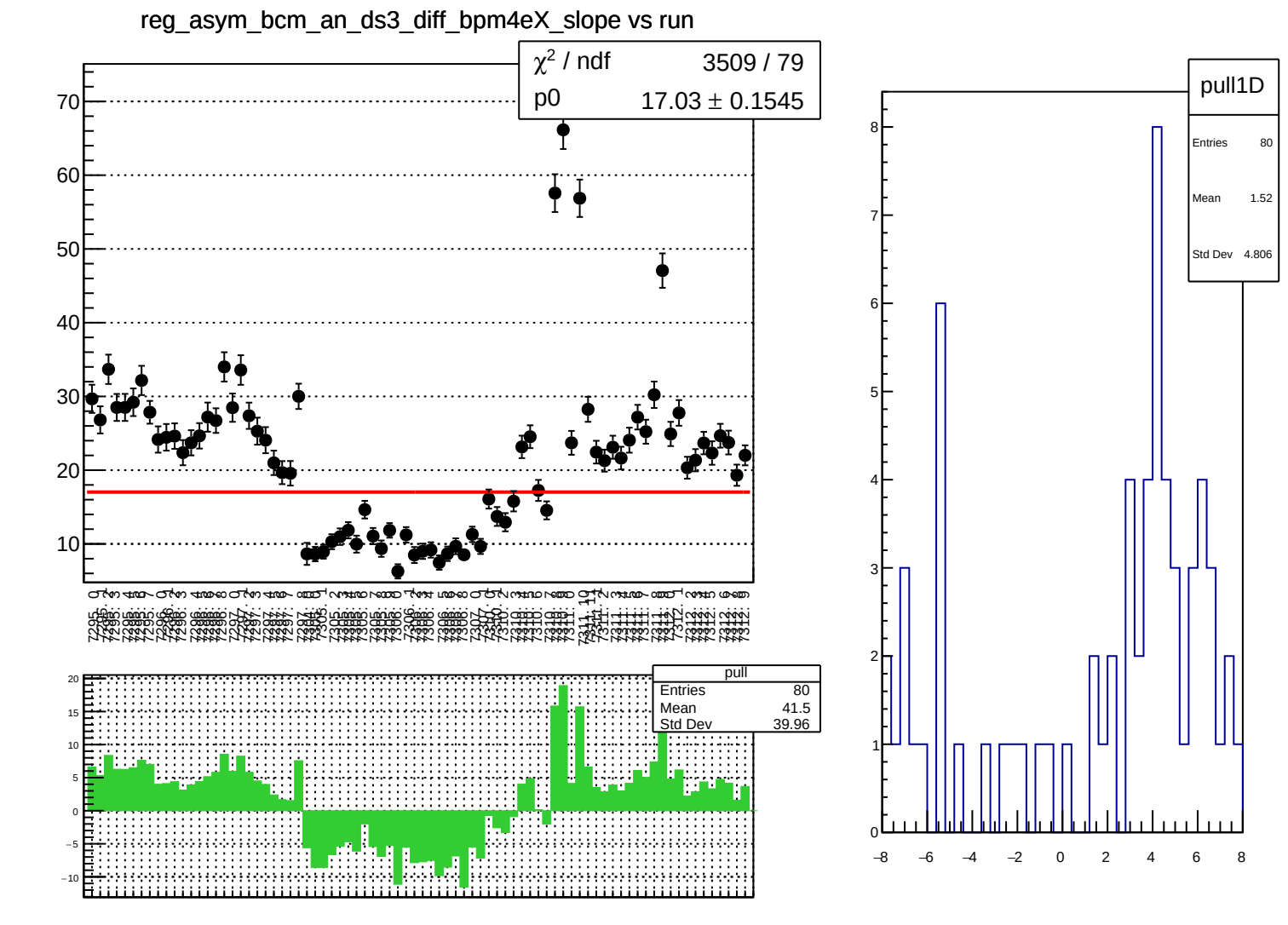

pull1D
Entries 80
Mean 0.01949
Std Dev 1.113

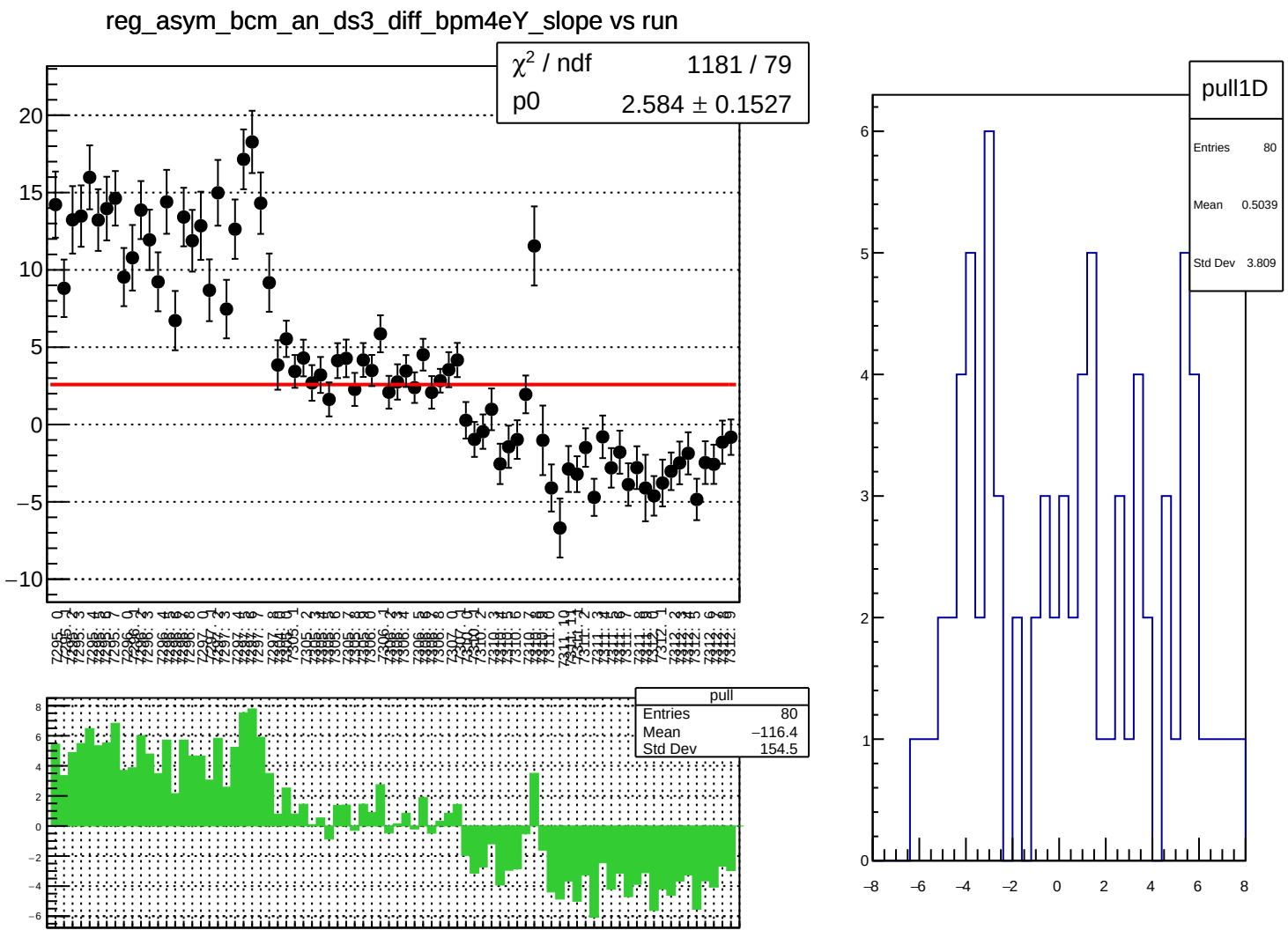

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1756 / 79
p0 8.05 ± 0.04337
pull
Entries 80
Mean 278.6
Std Dev 234.7
pull1D
Entries 80
Mean 0.1429
Std Dev 4.379

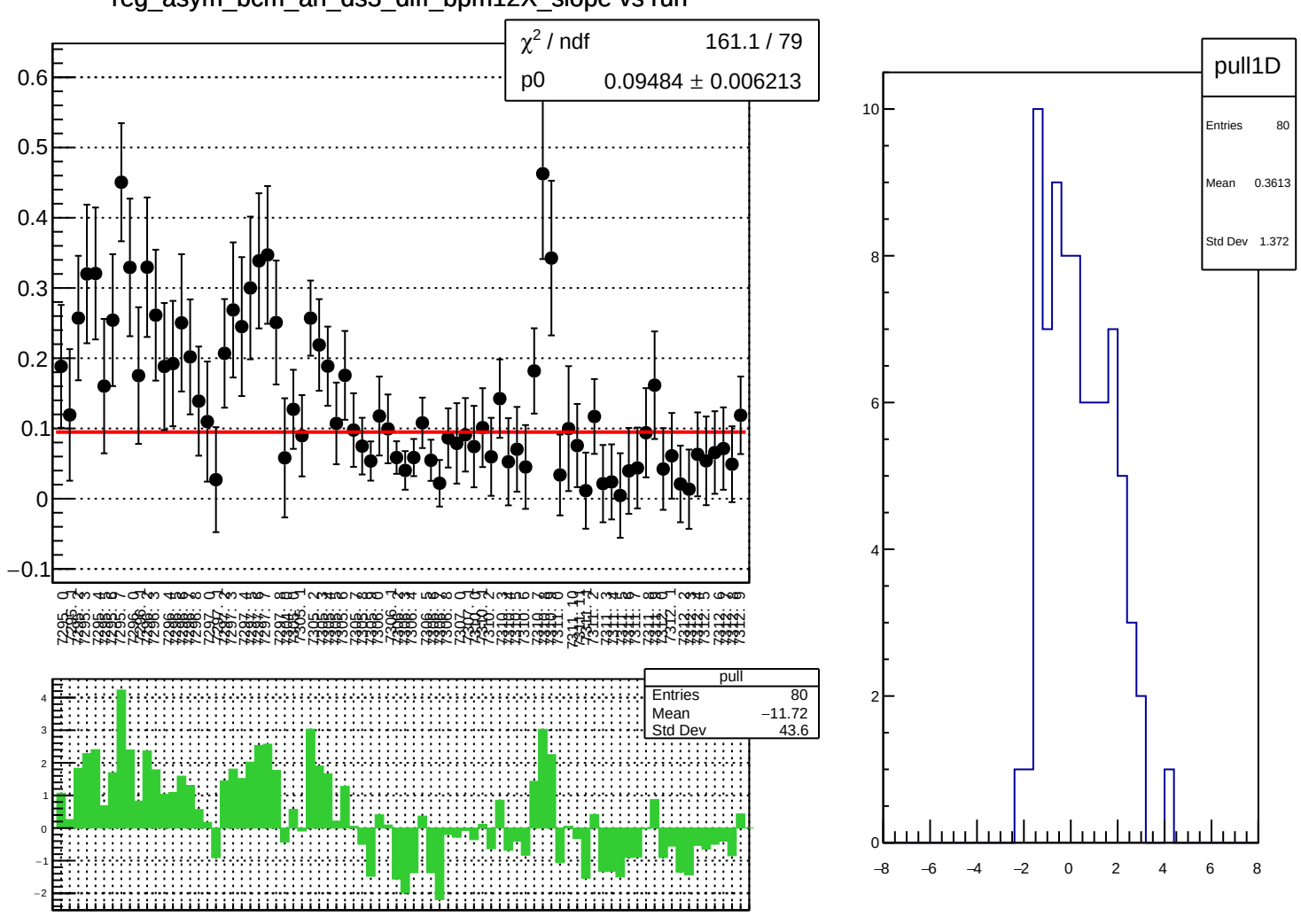

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 3663 / 79
p0 −17.53 ± 0.1558
pull
Entries 80
Mean 38.17
Std Dev 39.78
pull1D
Entries 80
Mean −1.471
Std Dev 4.919

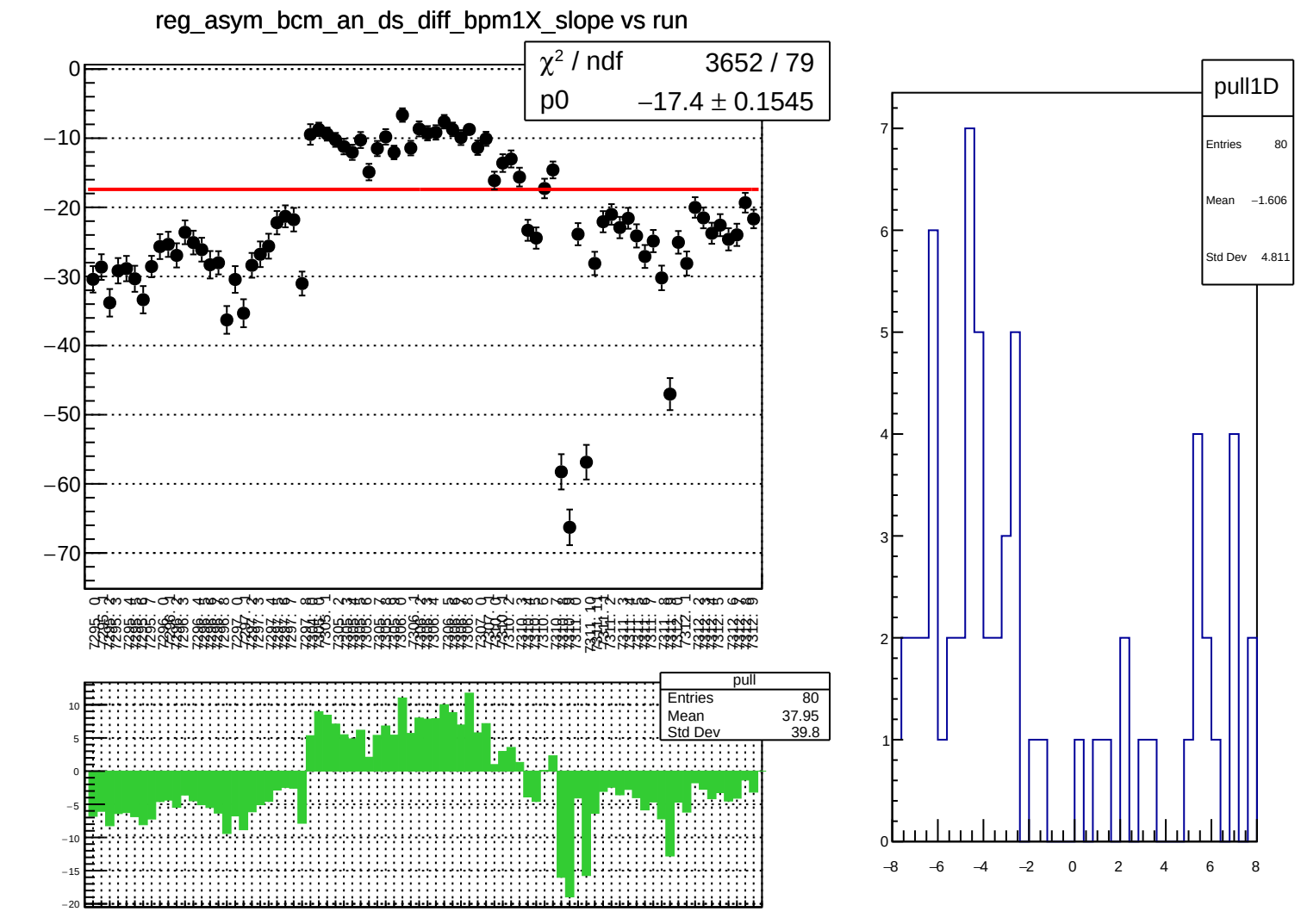

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.157 ± 0.1427
pull
Entries 80
Mean −109.1
Std Dev 147.5

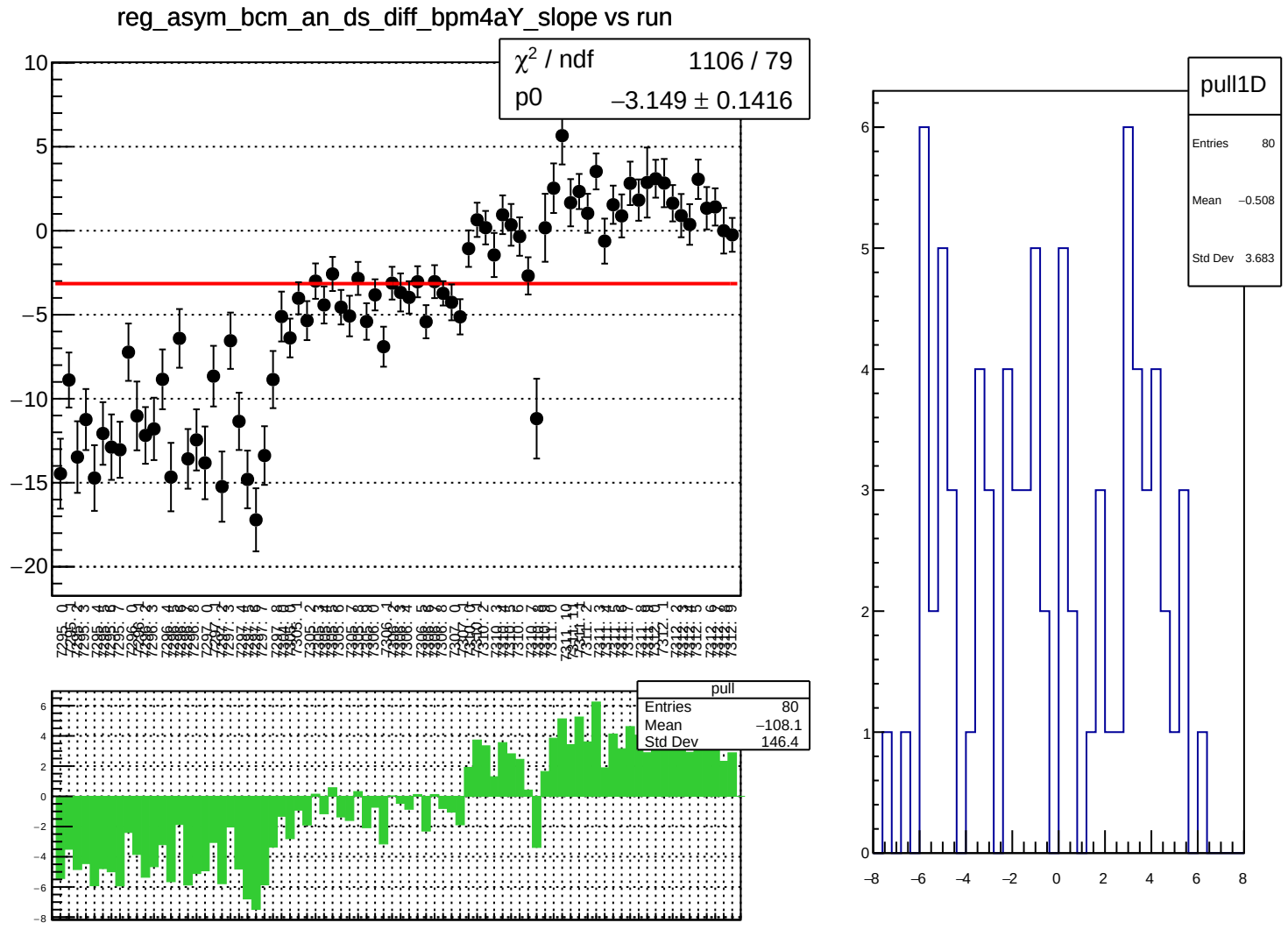

pull1D
Entries 80
Mean −0.5042
Std Dev 3.684

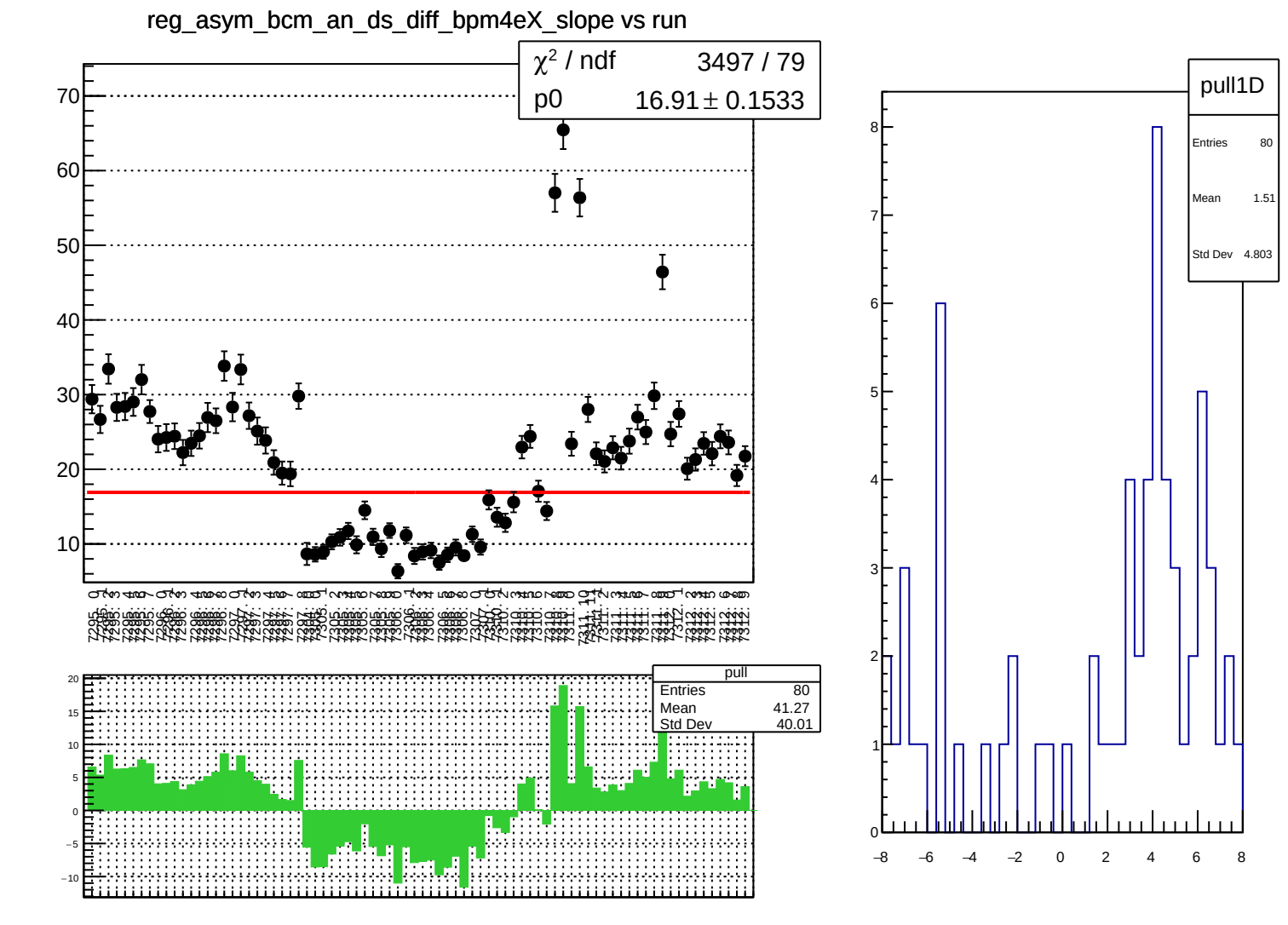

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3509 / 79
p0 17.03 ± 0.1545
pull
Entries 80
Mean 41.5
Std Dev 39.96
pull1D
Entries 80
Mean 1.52
Std Dev 4.806

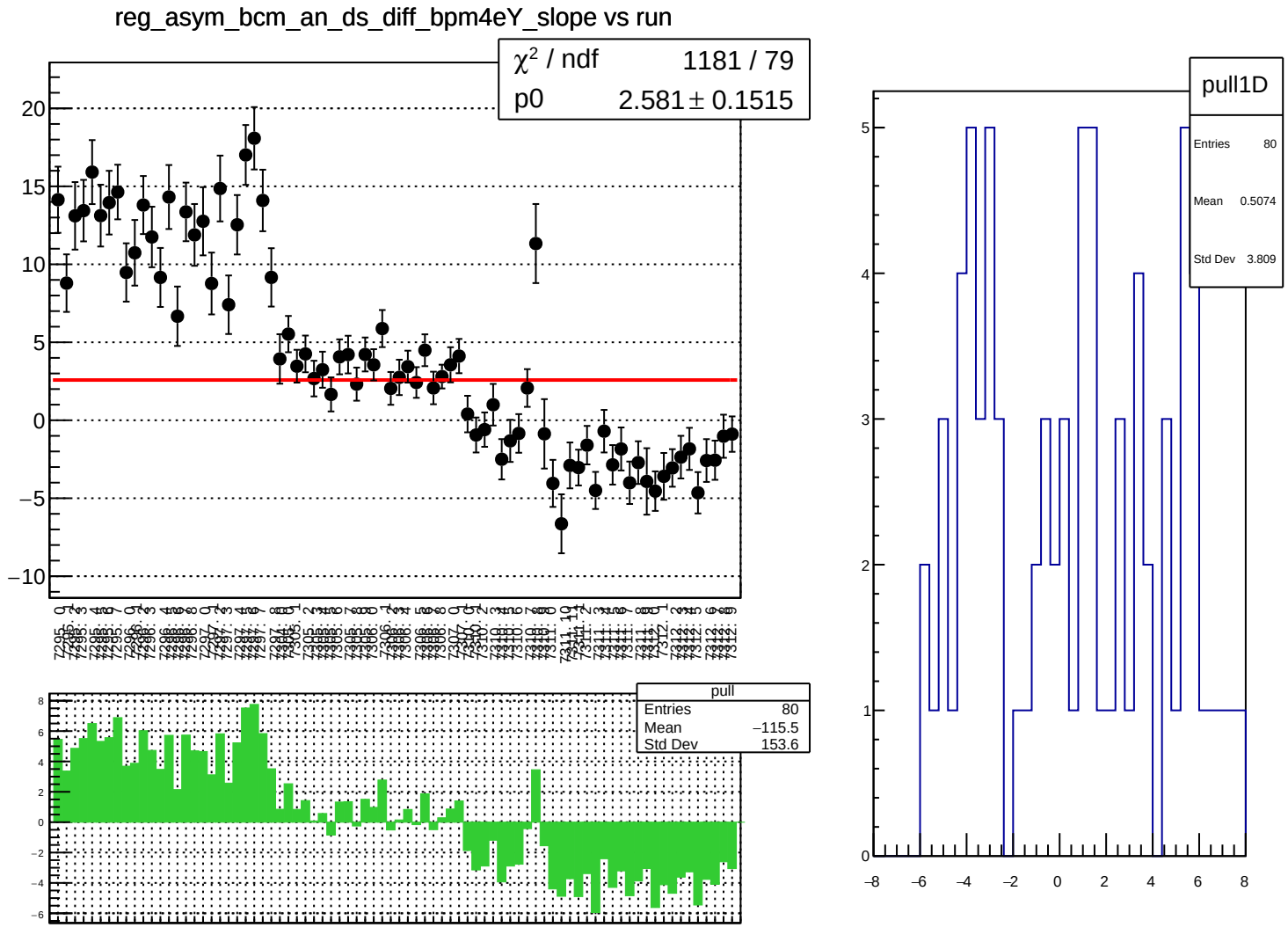

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 1181 / 79
p0 2.584 ± 0.1527
pull
Entries 80
Mean −116.4
Std Dev 154.5
pull1D
Entries 80
Mean 0.5039
Std Dev 3.809

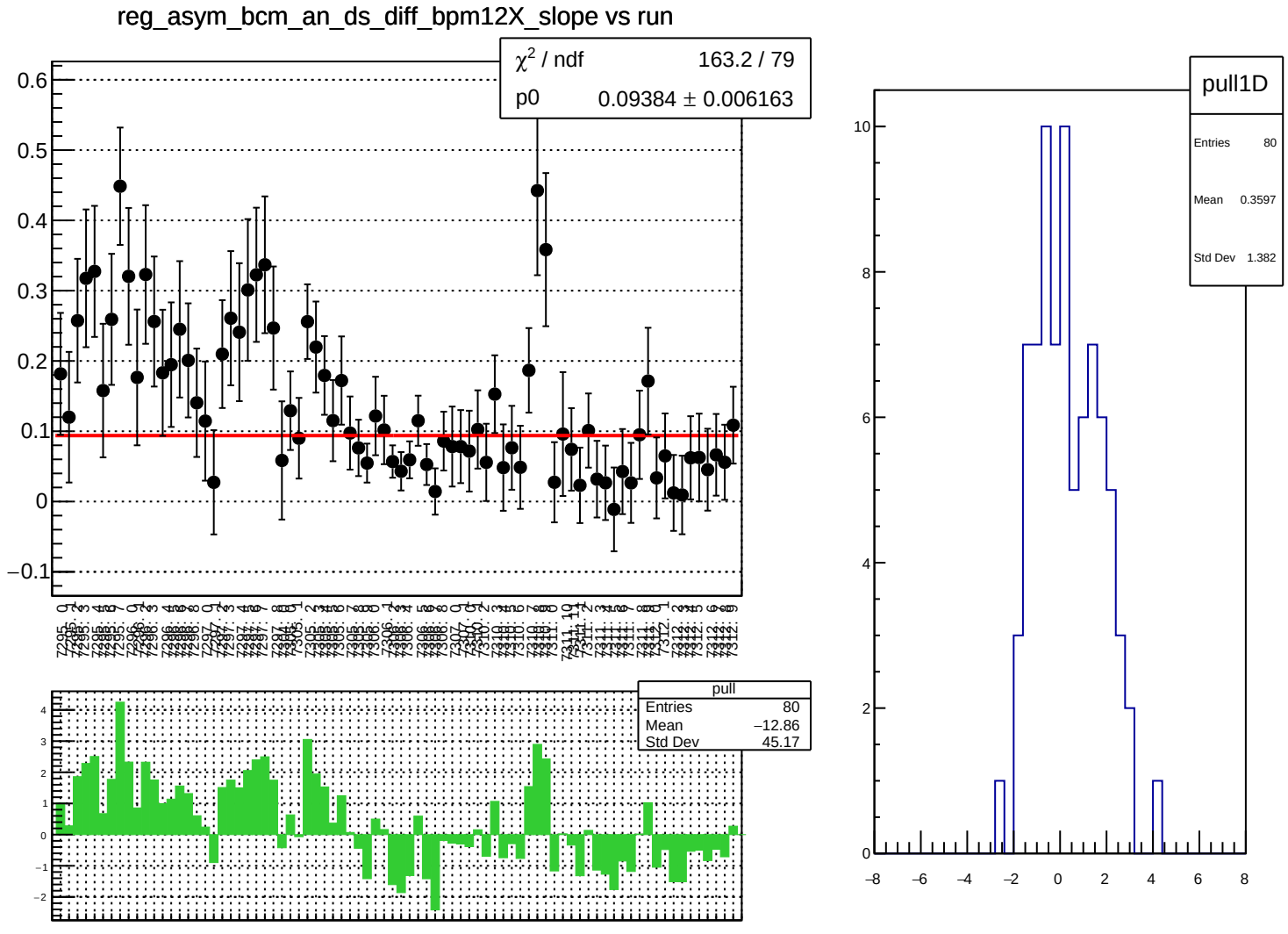

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 161.1 / 79
p0 0.09484 ± 0.006213
pull
Entries 80
Mean −11.72
Std Dev 43.6
pull1D
Entries 80
Mean 0.3613
Std Dev 1.372

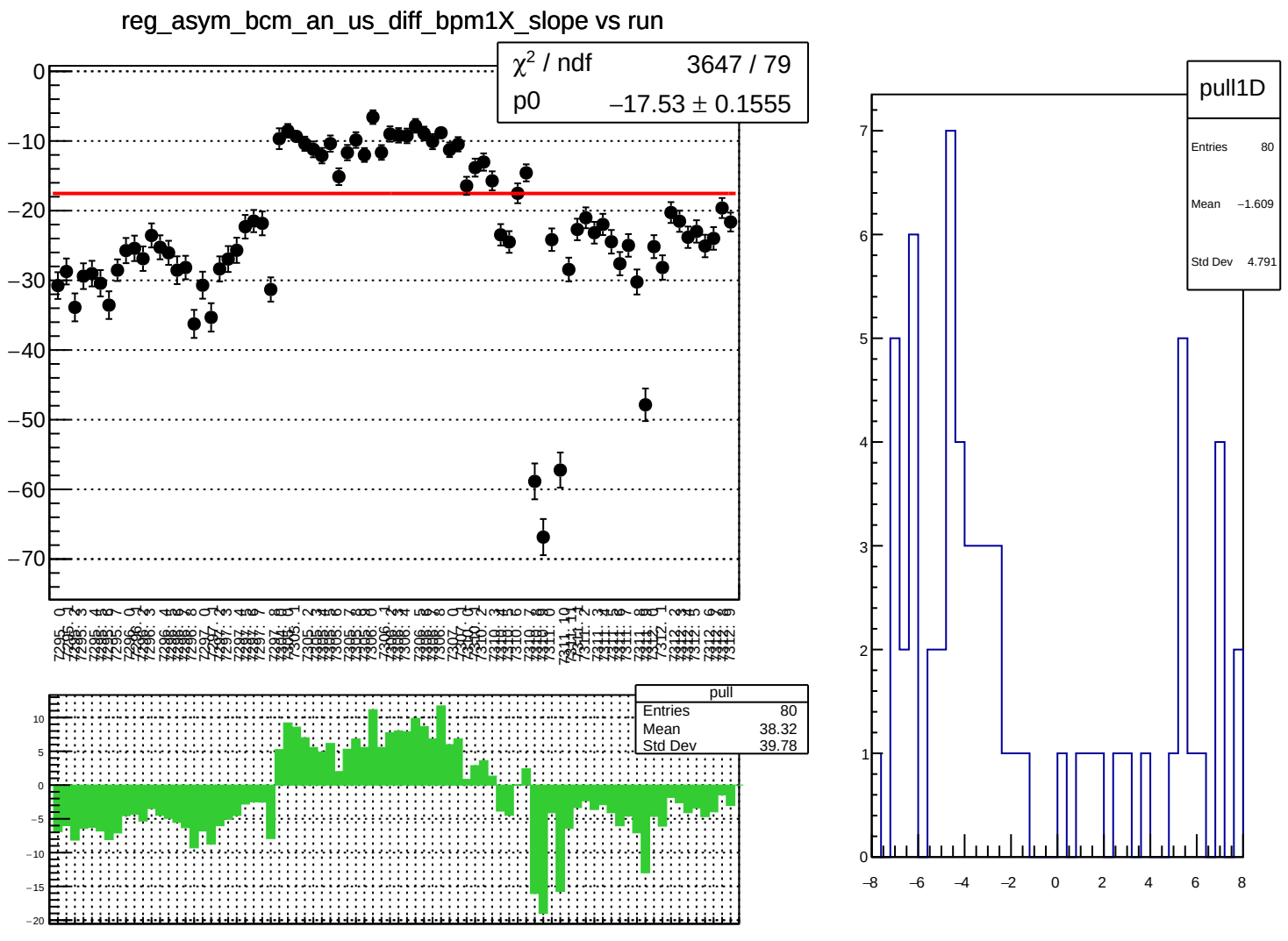

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3652 / 79
p0 −17.4 ± 0.1545
pull
Entries 80
Mean 37.95
Std Dev 39.8
pull1D
Entries 80
Mean −1.606
Std Dev 4.811

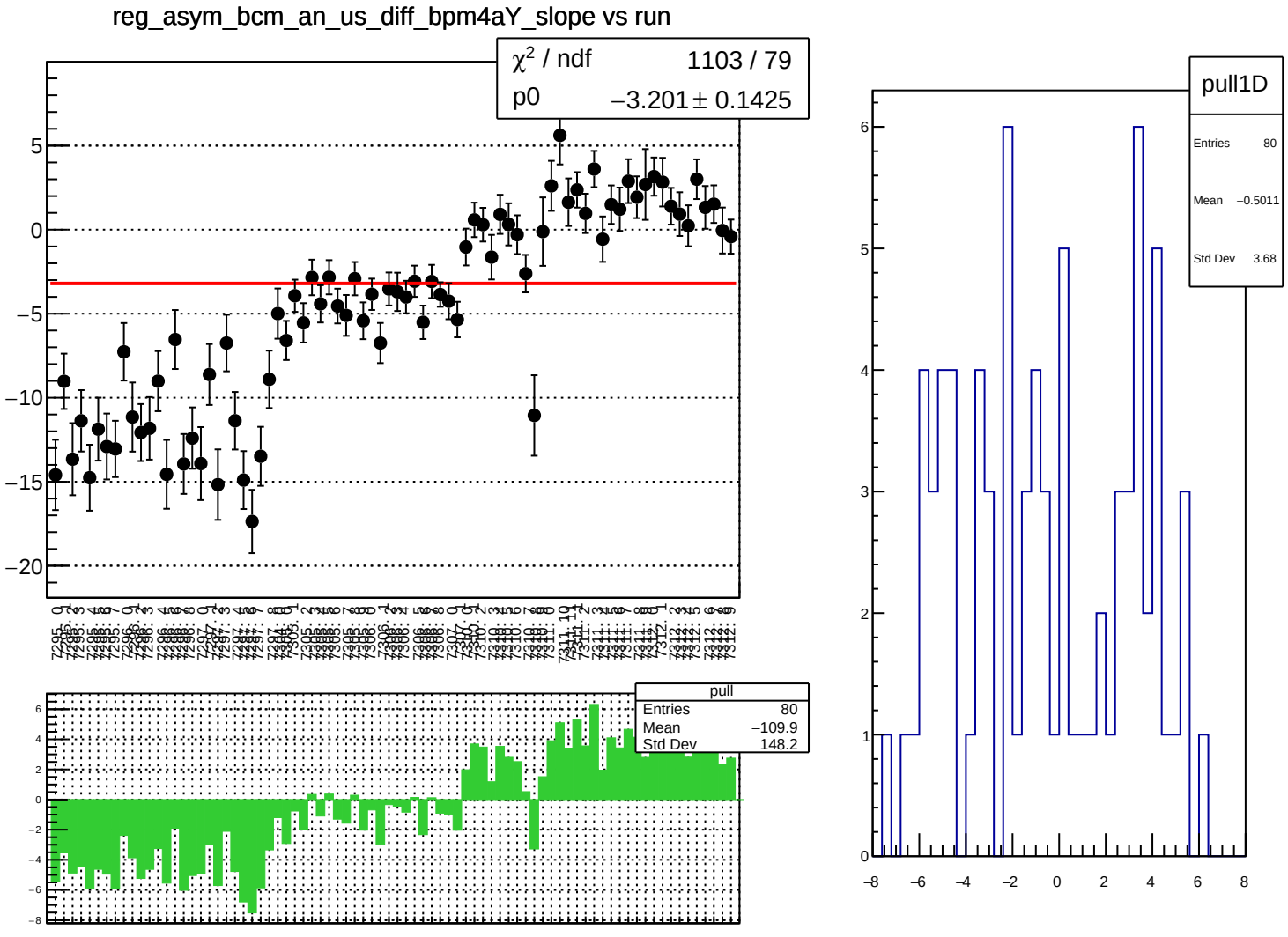

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.149 ± 0.1416
pull
Entries 80
Mean −108.1
Std Dev 146.4
pull1D
Entries 80
Mean −0.508
Std Dev 3.683

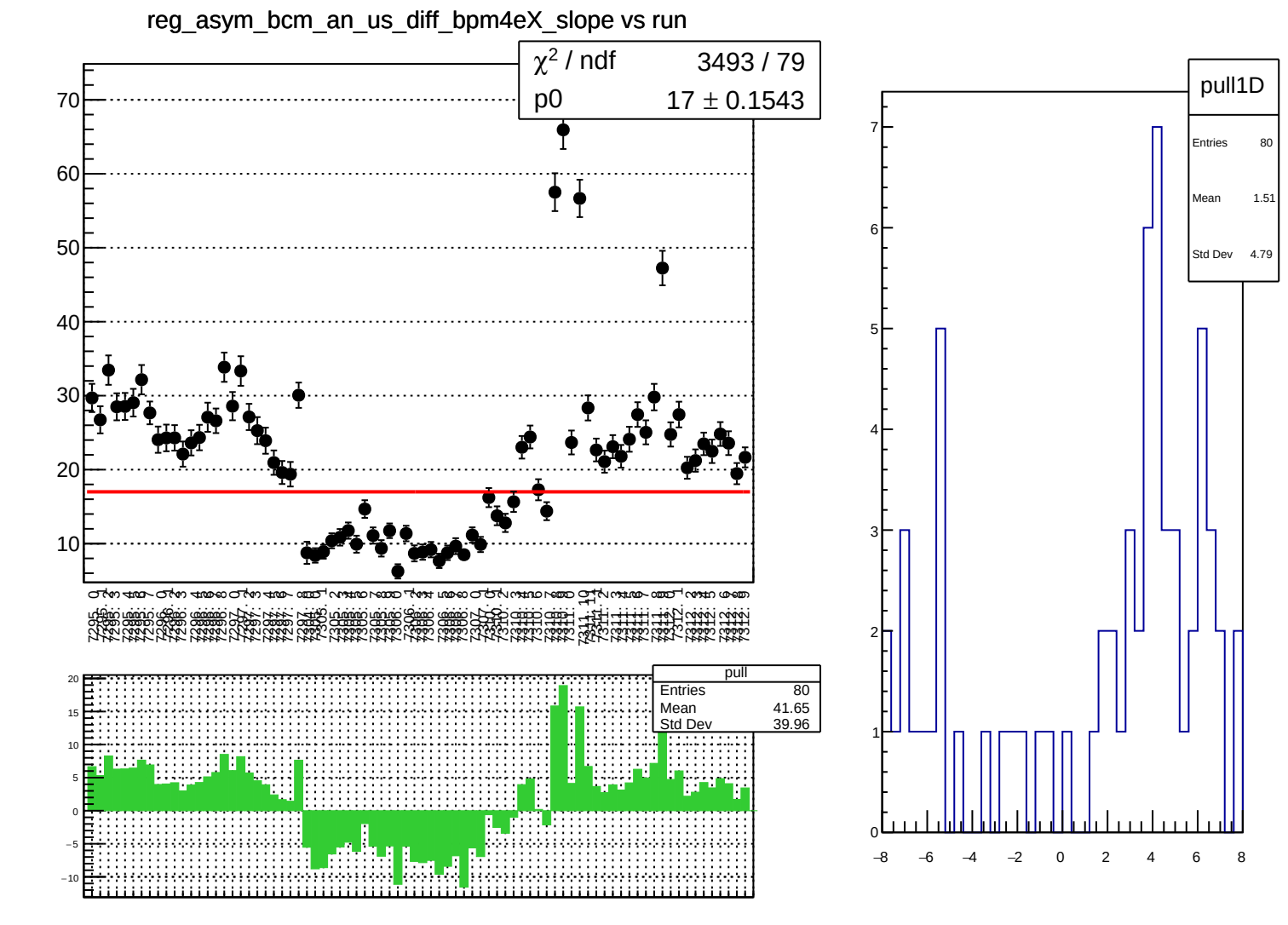

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3497 / 79
p0 16.91 ± 0.1533
pull
Entries 80
Mean 41.27
Std Dev 40.01
pull1D
Entries 80
Mean 1.51
Std Dev 4.803

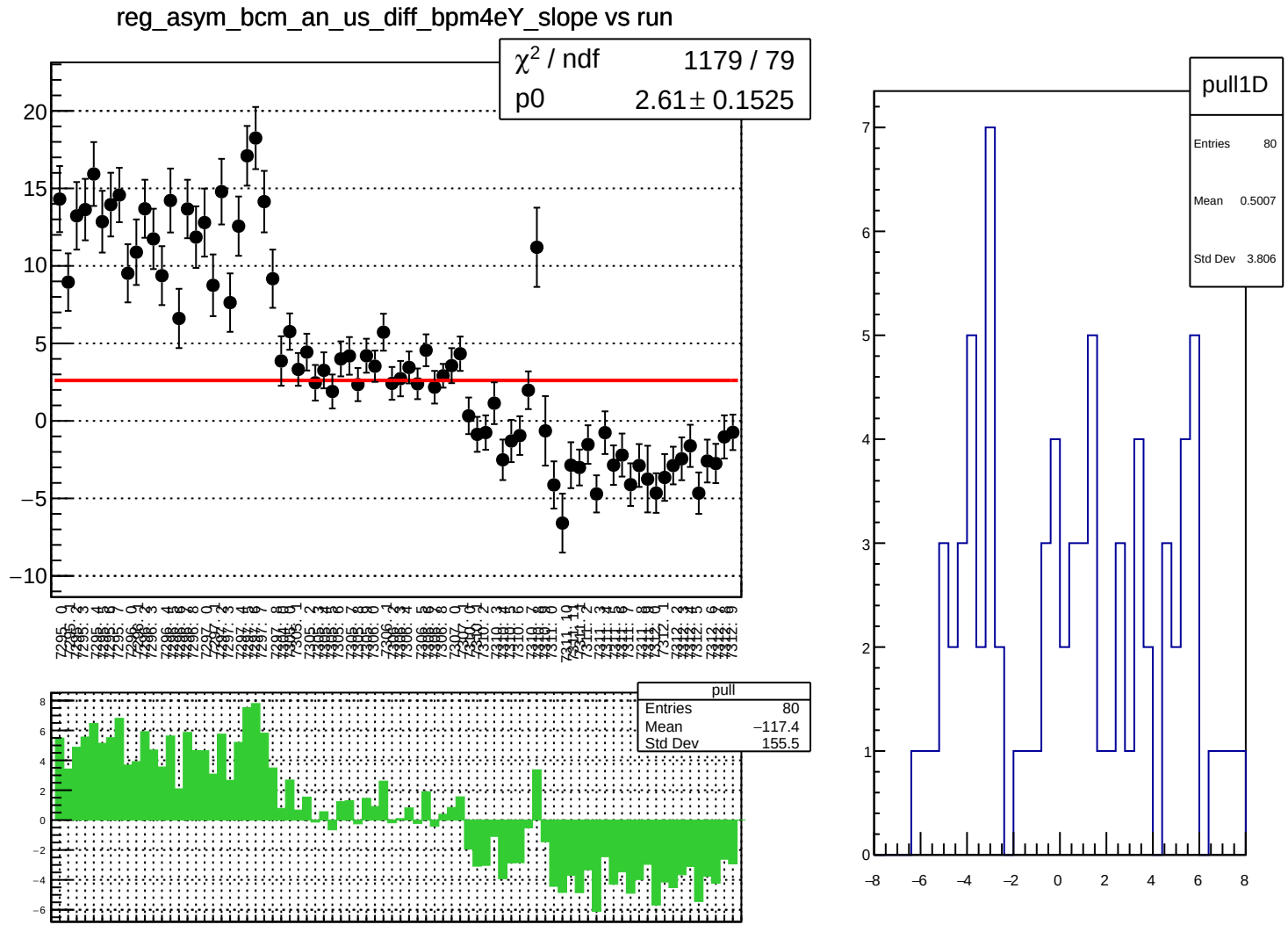

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 1181 / 79
p0 2.581 ± 0.1515
pull
Entries 80
Mean −115.5
Std Dev 153.6
pull1D
Entries 80
Mean 0.5074
Std Dev 3.809

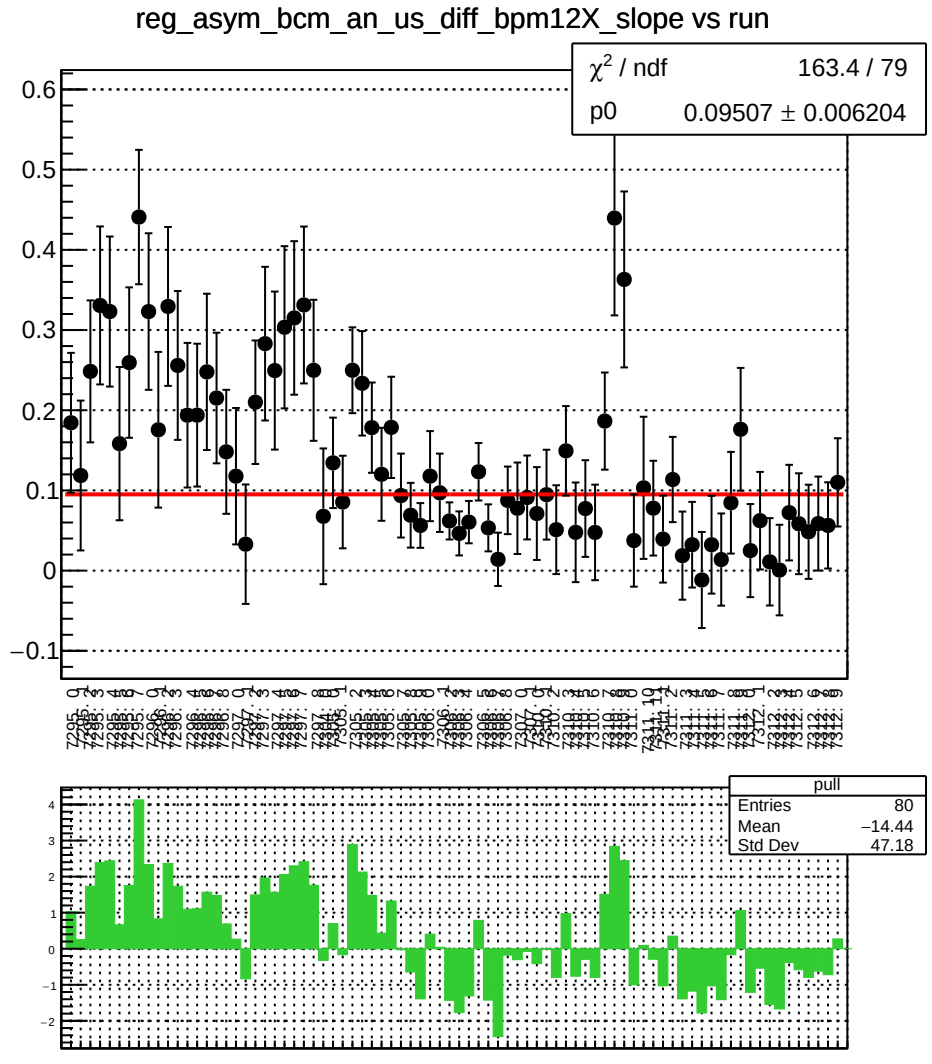

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 163.2 / 79
p0 0.09384 ± 0.006163
pull
Entries 80
Mean −12.86
Std Dev 45.17
pull1D
Entries 80
Mean 0.3597
Std Dev 1.382

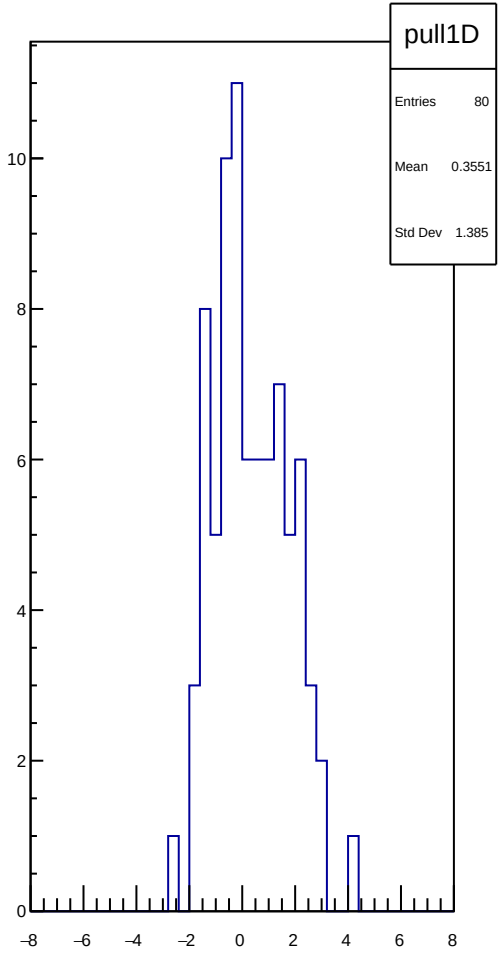

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3647 / 79
p0 −17.53 ± 0.1555
pull
Entries 80
Mean 38.32
Std Dev 39.78
pull1D
Entries 80
Mean −1.609
Std Dev 4.791

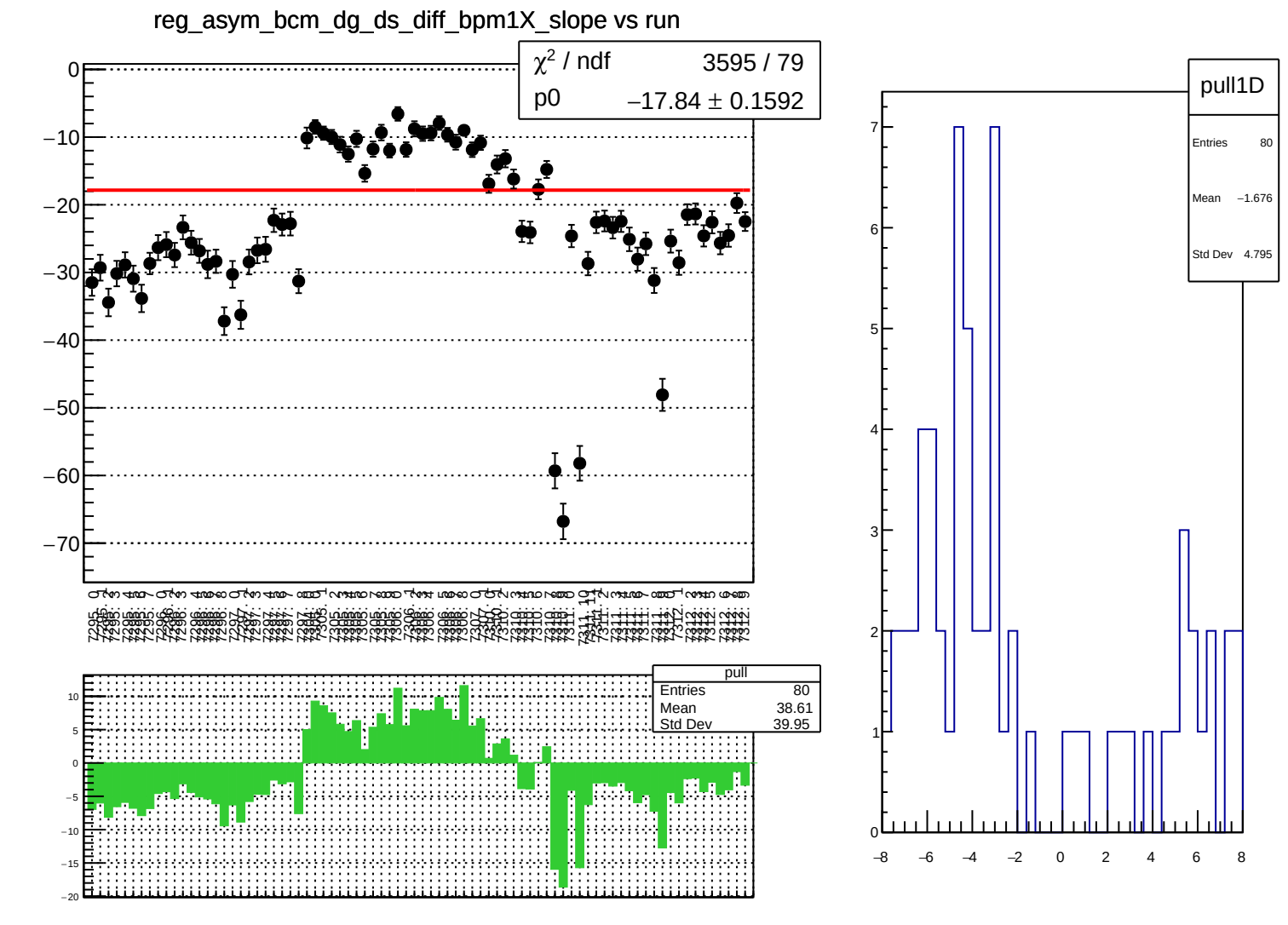

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 1103 / 79
p0 −3.201 ± 0.1425
pull
Entries 80
Mean −109.9
Std Dev 148.2
pull1D
Entries 80
Mean −0.5011
Std Dev 3.68

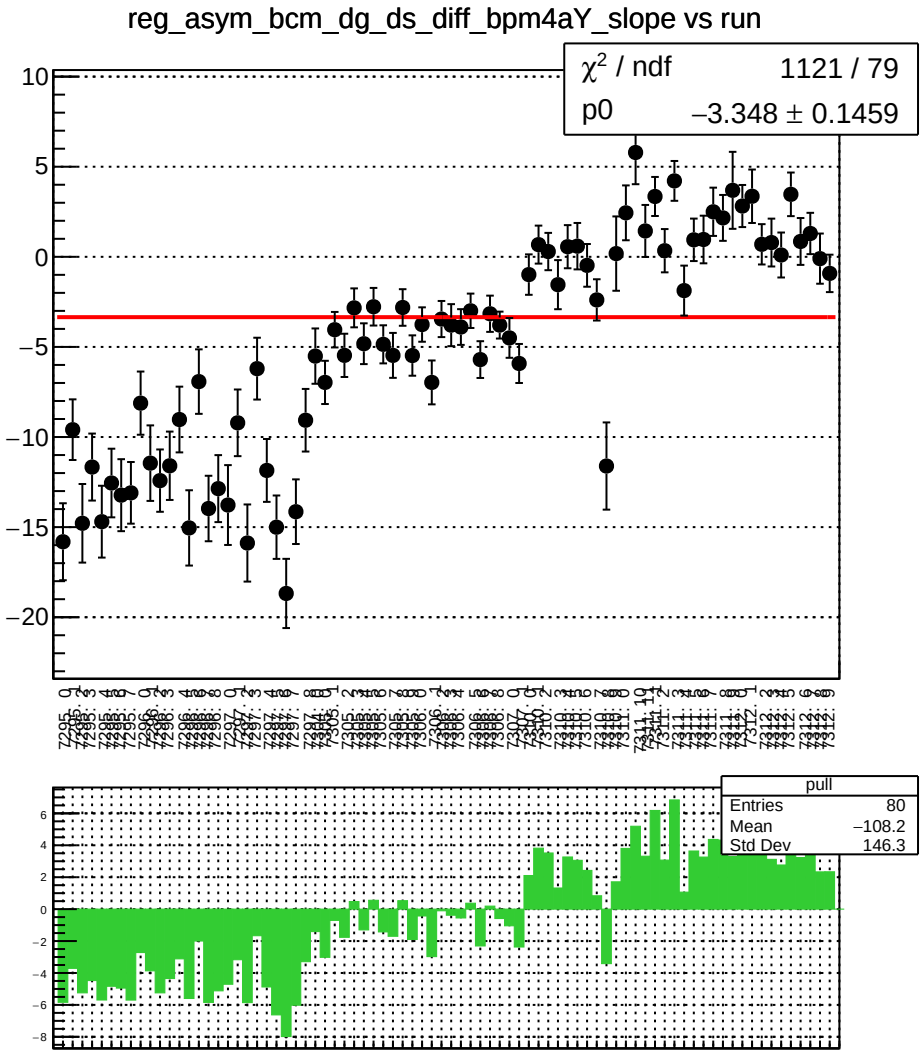

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 3493 / 79
p0 17 ± 0.1543
pull
Entries 80
Mean 41.65
Std Dev 39.96
pull1D
Entries 80
Mean 1.51
Std Dev 4.79

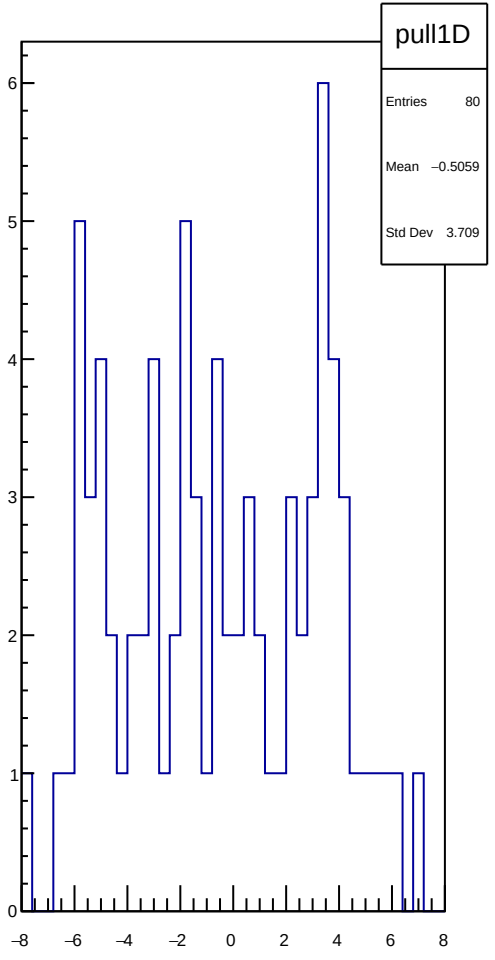

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 1179 / 79
p0 2.61 ± 0.1525
pull
Entries 80
Mean −117.4
Std Dev 155.5
pull1D
Entries 80
Mean 0.5007
Std Dev 3.806

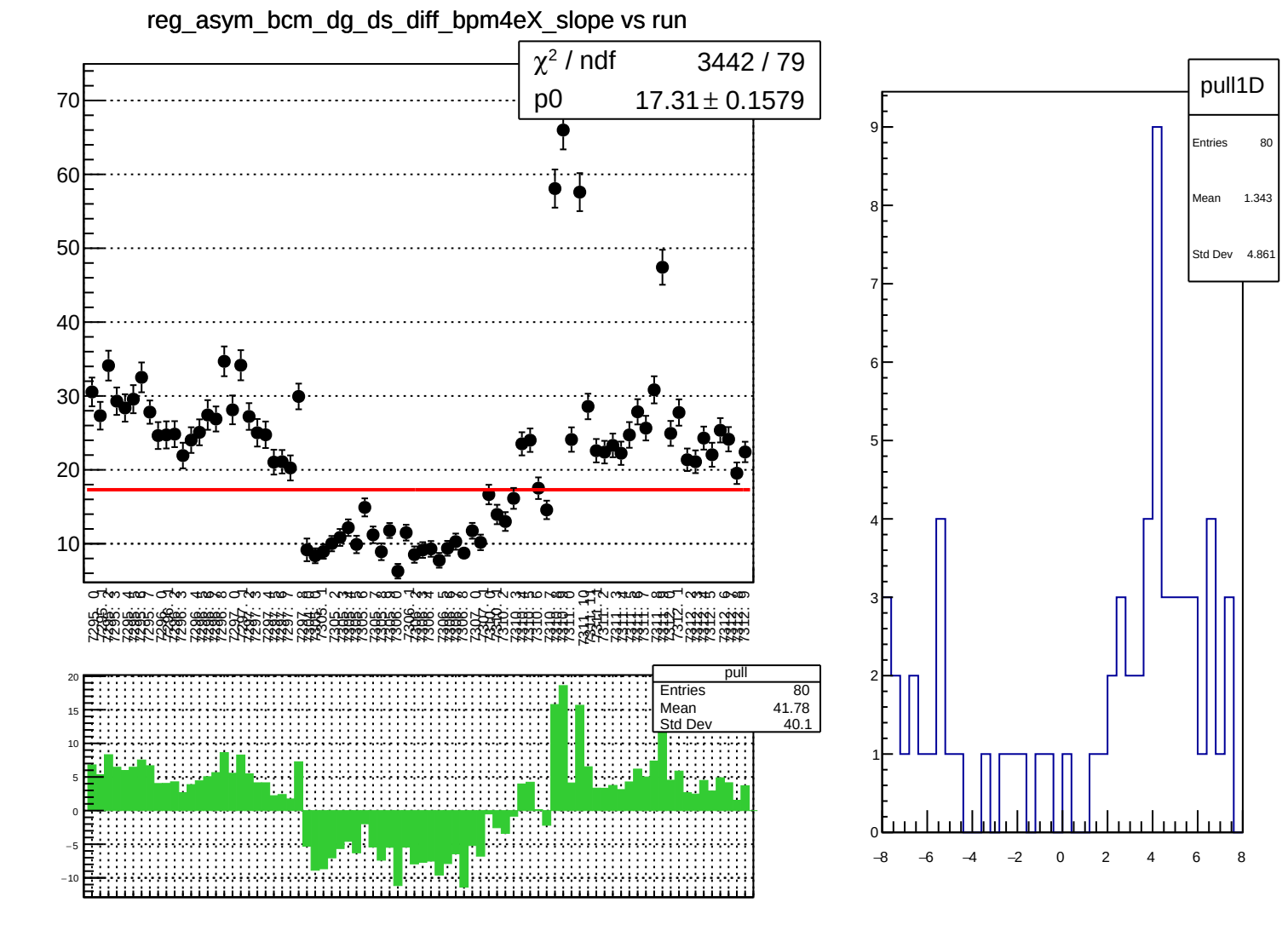

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 163.4 / 79
p0 0.09507 ± 0.006204
pull
Entries 80
Mean −14.44
Std Dev 47.18

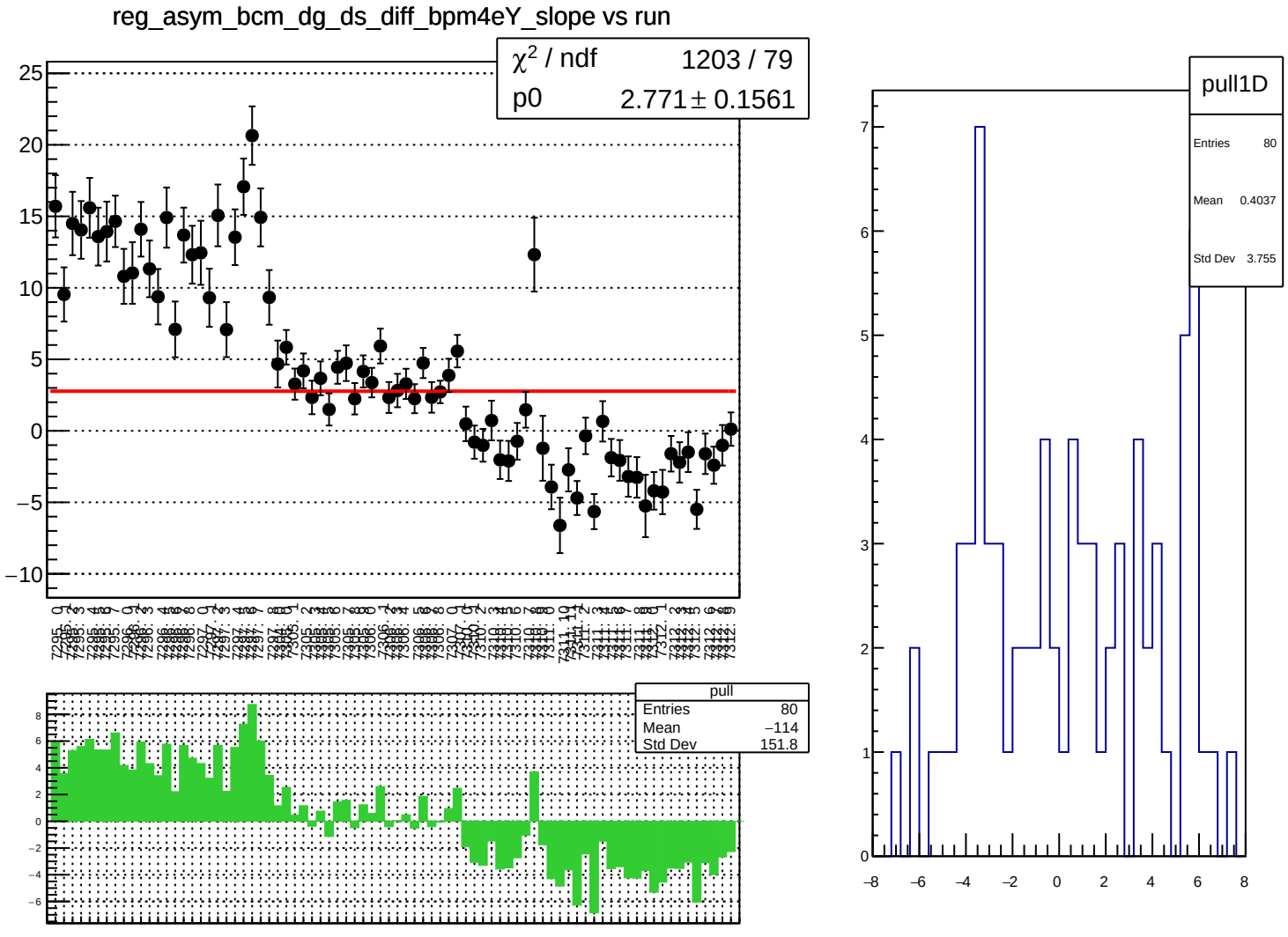

pull1D
Entries 80
Mean 0.3551
Std Dev 1.385

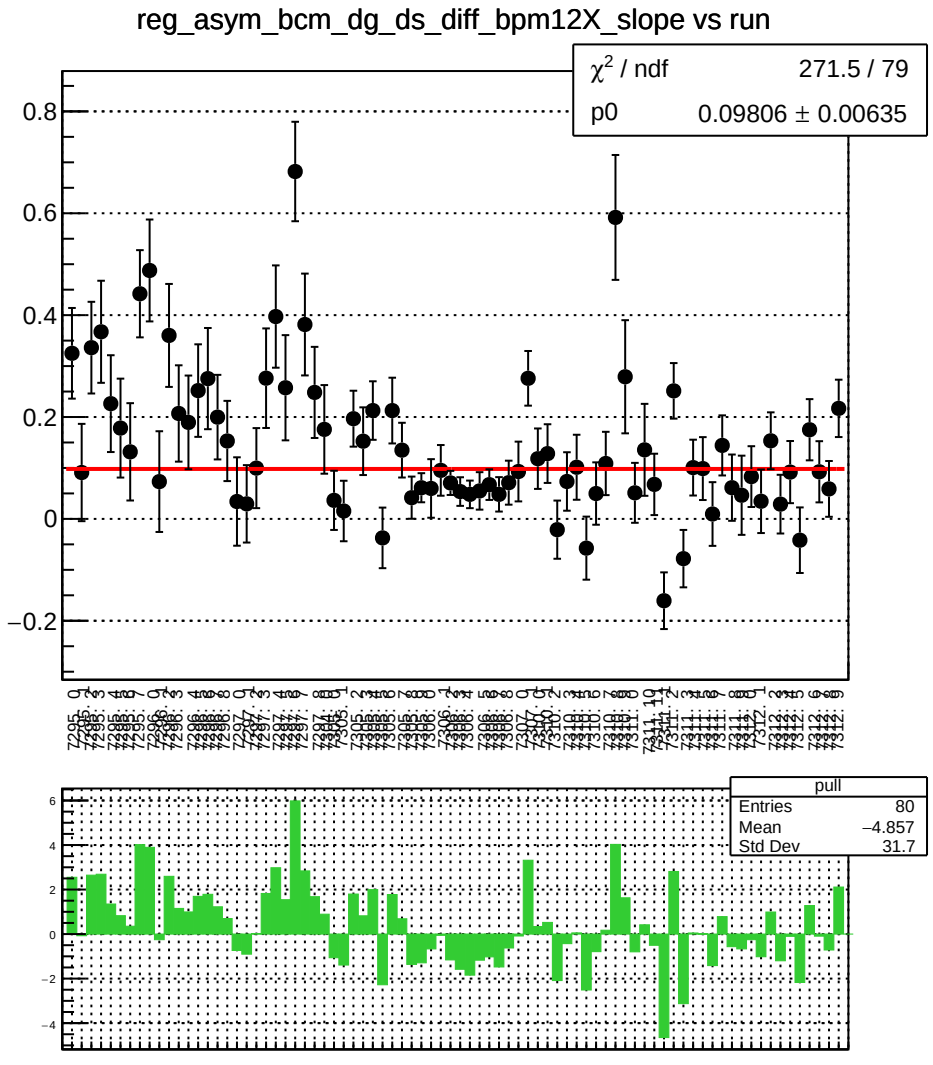

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3595 / 79
p0 −17.84 ± 0.1592
pull
Entries 80
Mean 38.61
Std Dev 39.95
pull1D
Entries 80
Mean −1.676
Std Dev 4.795

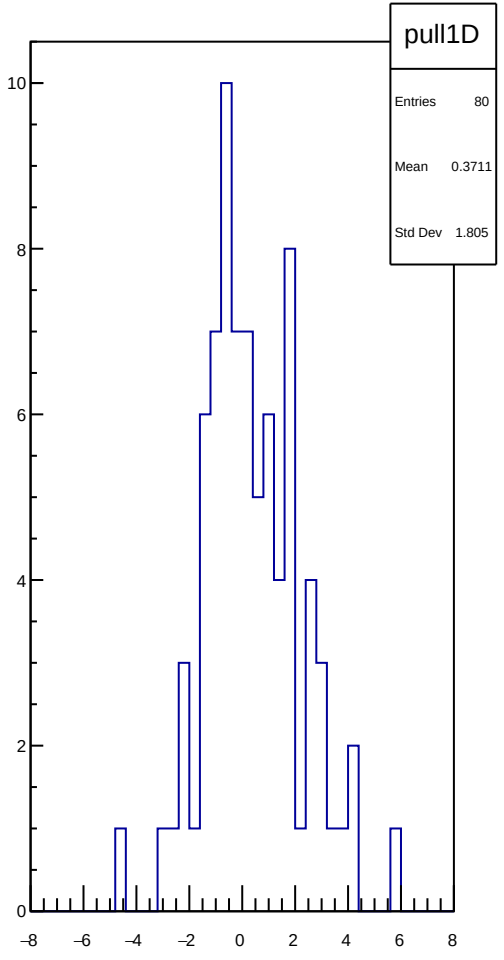

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 1121 / 79
p0 −3.348 ± 0.1459
pull
Entries 80
Mean −108.2
Std Dev 146.3

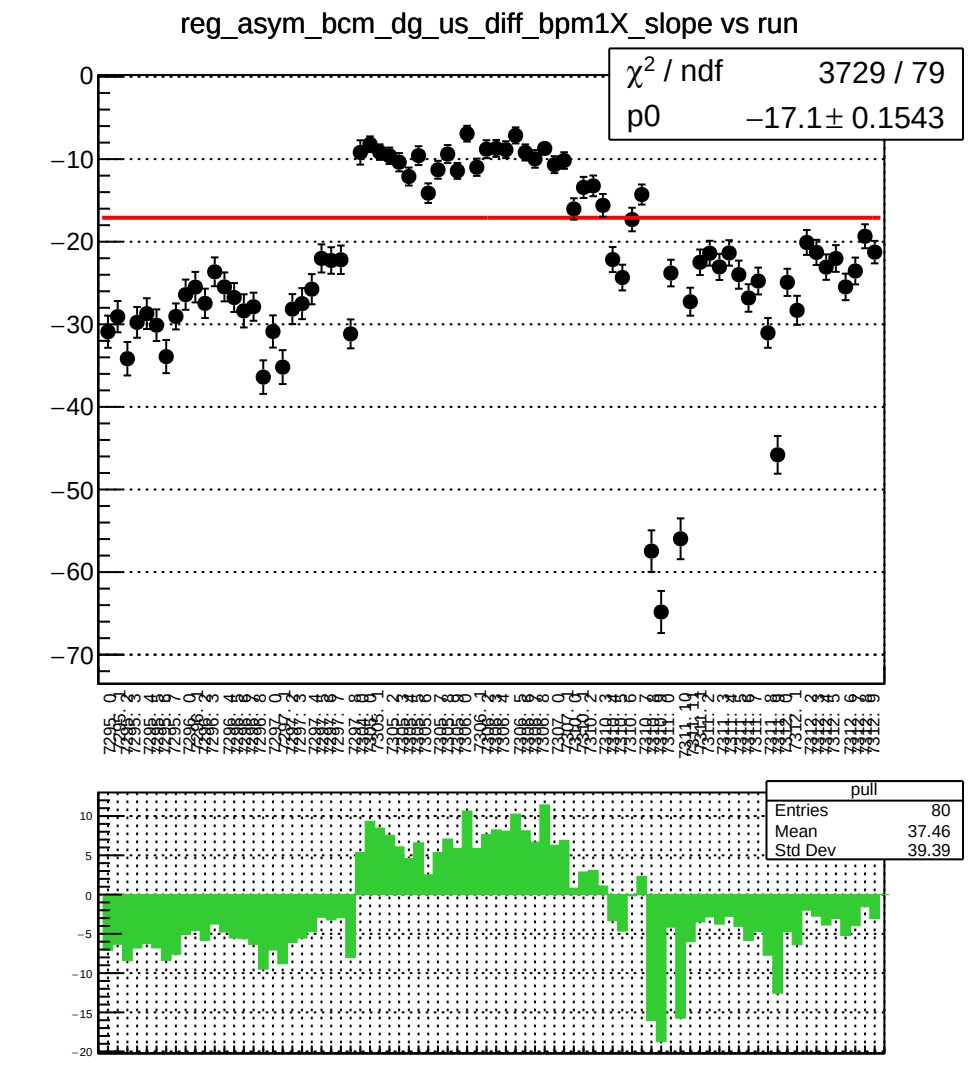

pull1D
Entries 80
Mean −0.5059
Std Dev 3.709

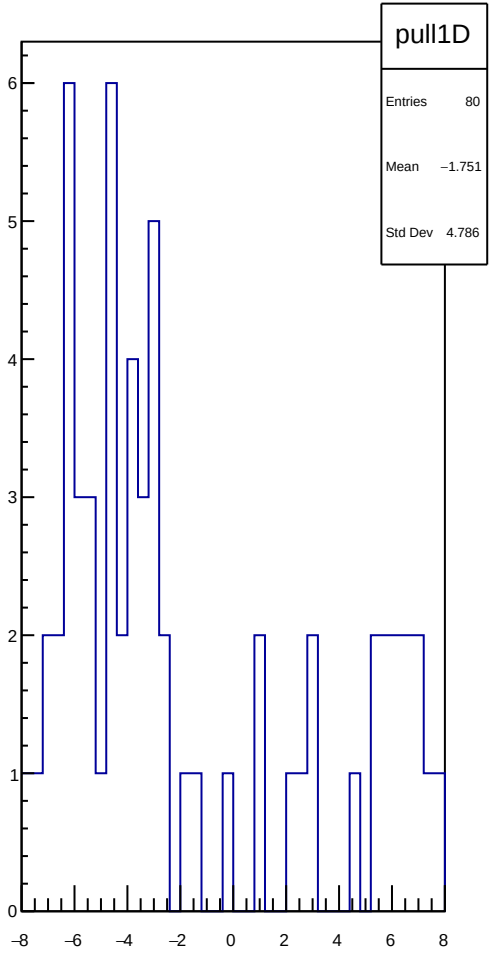

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3442 / 79
p0 17.31 ± 0.1579
pull
Entries 80
Mean 41.78
Std Dev 40.1
pull1D
Entries 80
Mean 1.343
Std Dev 4.861

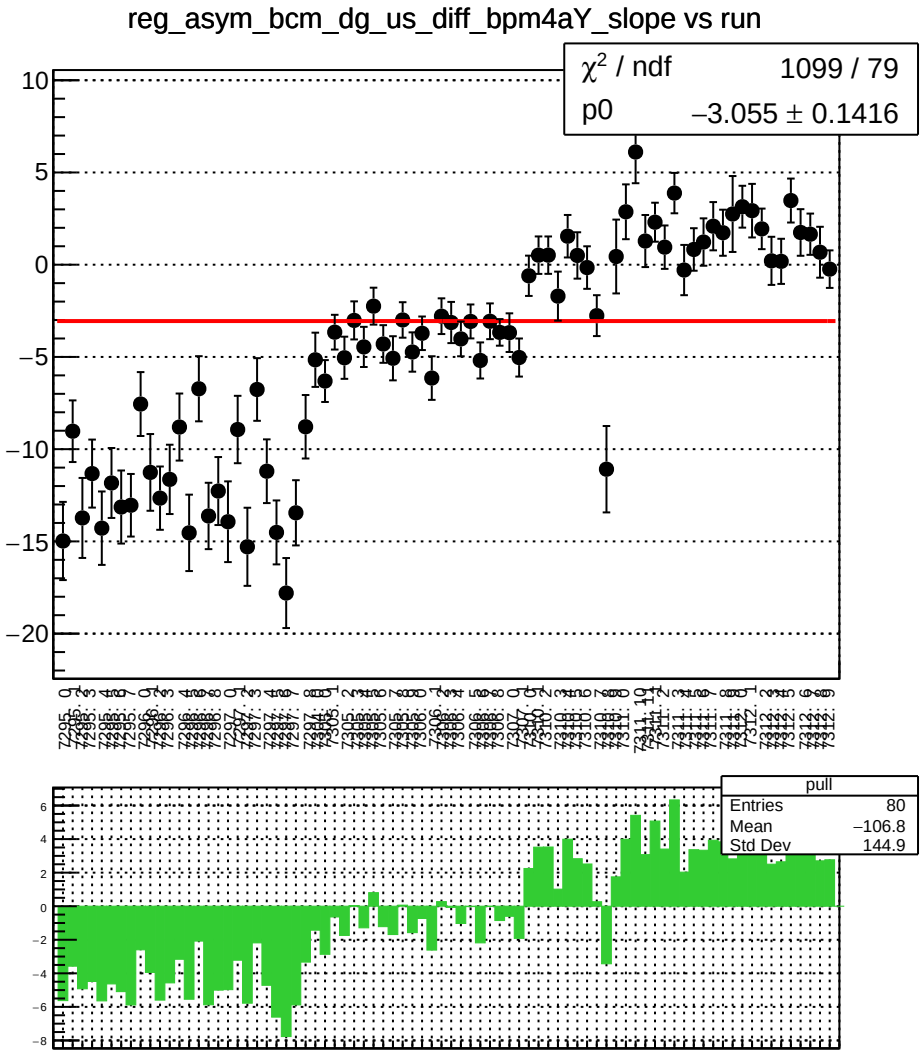

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 1203 / 79
p0 2.771 ± 0.1561
pull
Entries 80
Mean −114
Std Dev 151.8
pull1D
Entries 80
Mean 0.4037
Std Dev 3.755

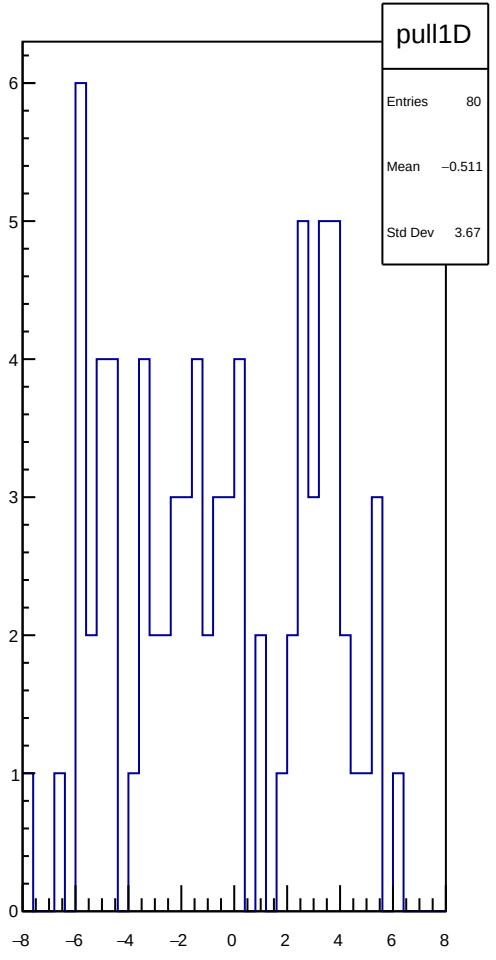

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 271.5 / 79
p0 0.09806 ± 0.00635
pull
Entries 80
Mean −4.857
Std Dev 31.7

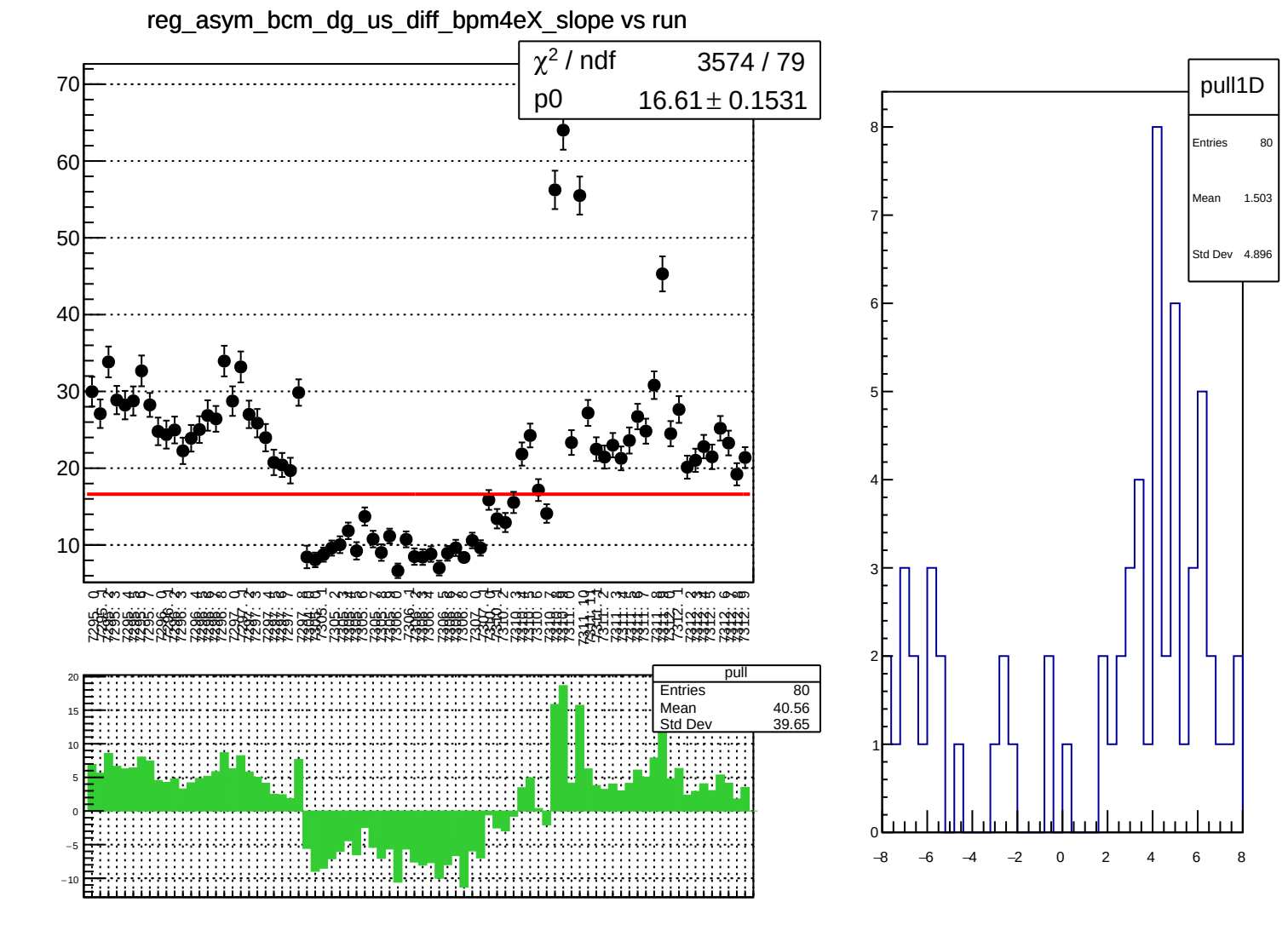

pull1D
Entries 80
Mean 0.3711
Std Dev 1.805

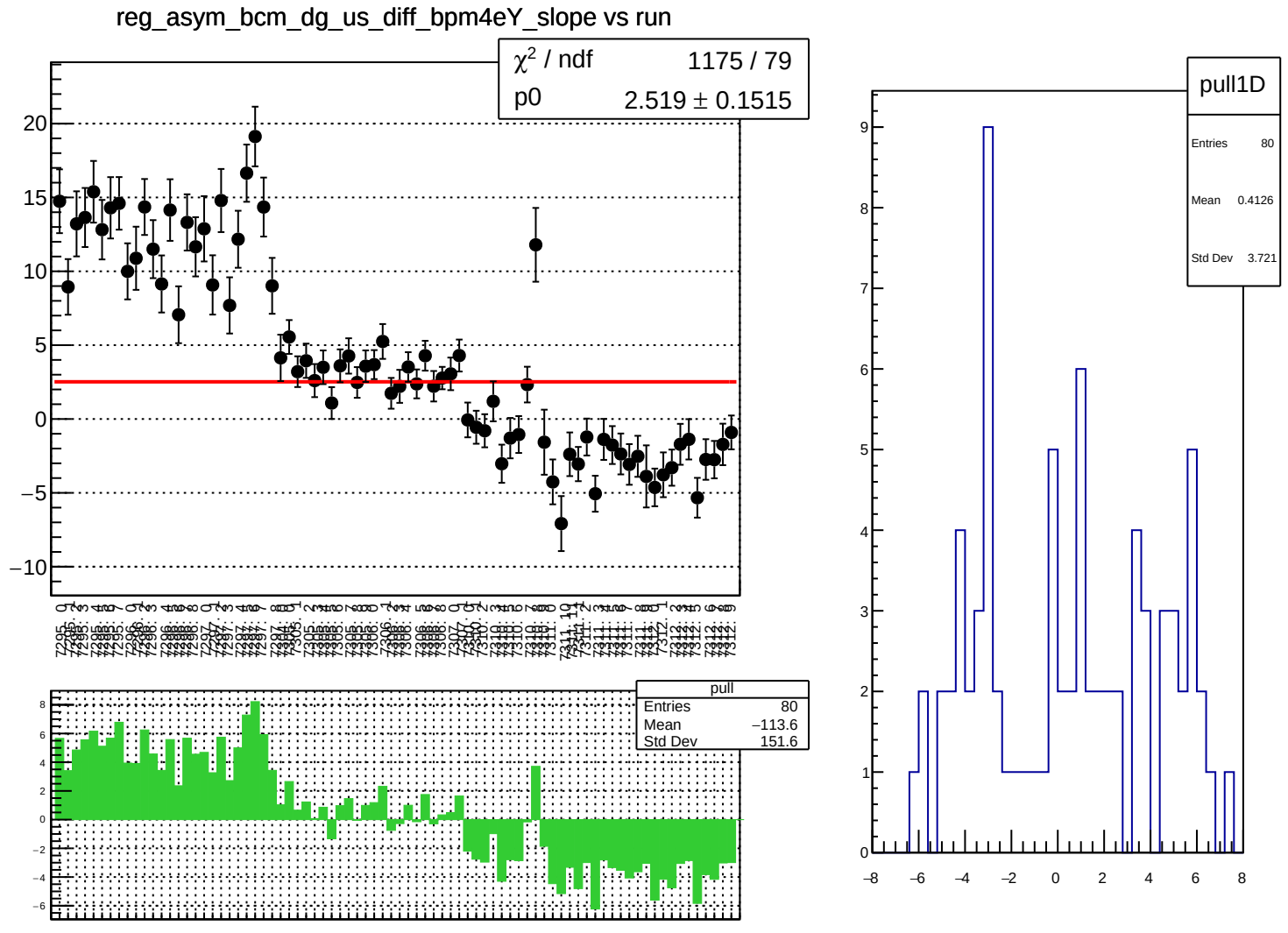

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 3729 / 79
p0 −17.1 ± 0.1543
pull
Entries 80
Mean 37.46
Std Dev 39.39

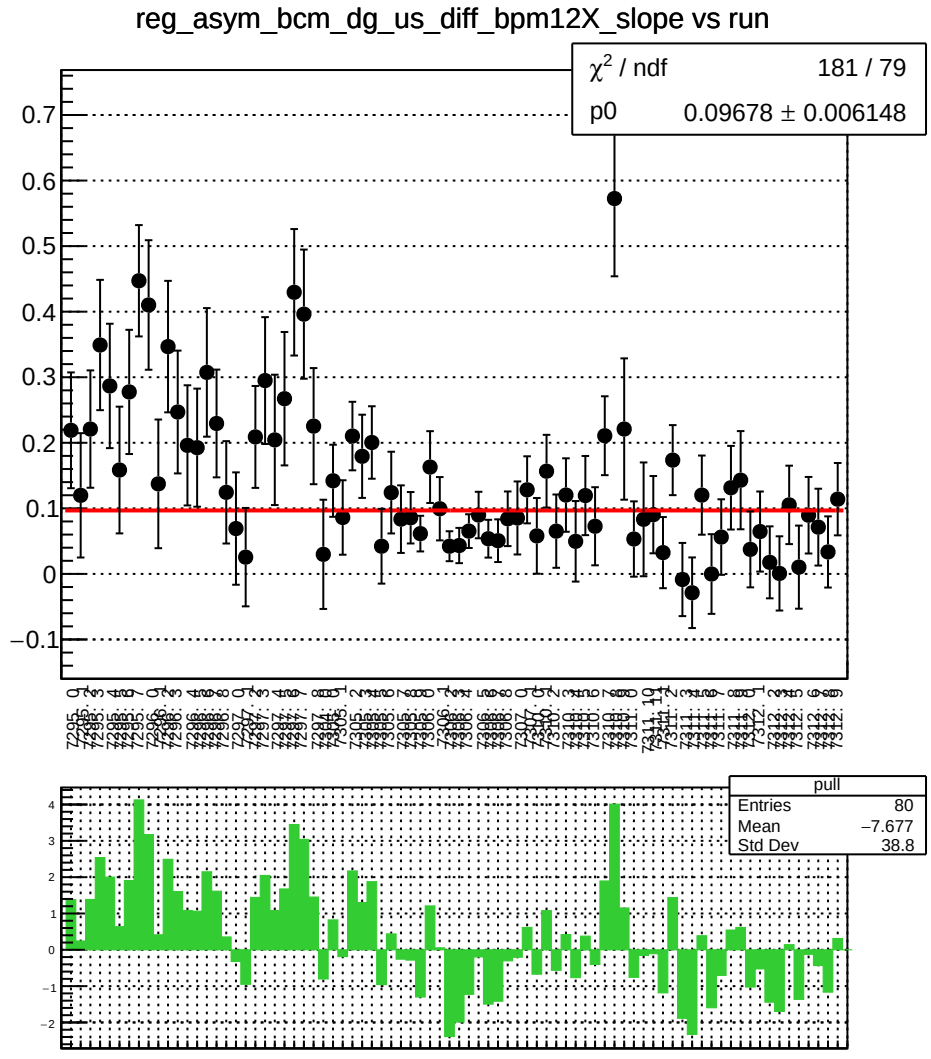

pull1D
Entries 80
Mean −1.751
Std Dev 4.786

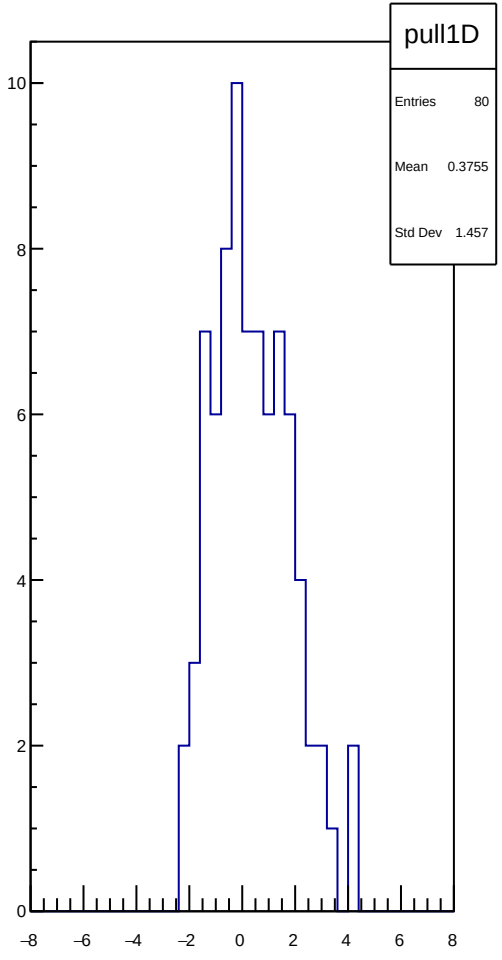

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 1099 / 79
p0 −3.055 ± 0.1416
pull
Entries 80
Mean −106.8
Std Dev 144.9


pull1D
Entries 80
Mean −0.511
Std Dev 3.67


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3574 / 79
p0 16.61 ± 0.1531
pull
Entries 80
Mean 40.56
Std Dev 39.65
pull1D
Entries 80
Mean 1.503
Std Dev 4.896


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 1175 / 79
p0 2.519 ± 0.1515
pull
Entries 80
Mean −113.6
Std Dev 151.6
pull1D
Entries 80
Mean 0.4126
Std Dev 3.721


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 181 / 79
p0 0.09678 ± 0.006148
pull
Entries 80
Mean −7.677
Std Dev 38.8


pull1D
Entries 80
Mean 0.3755
Std Dev 1.457