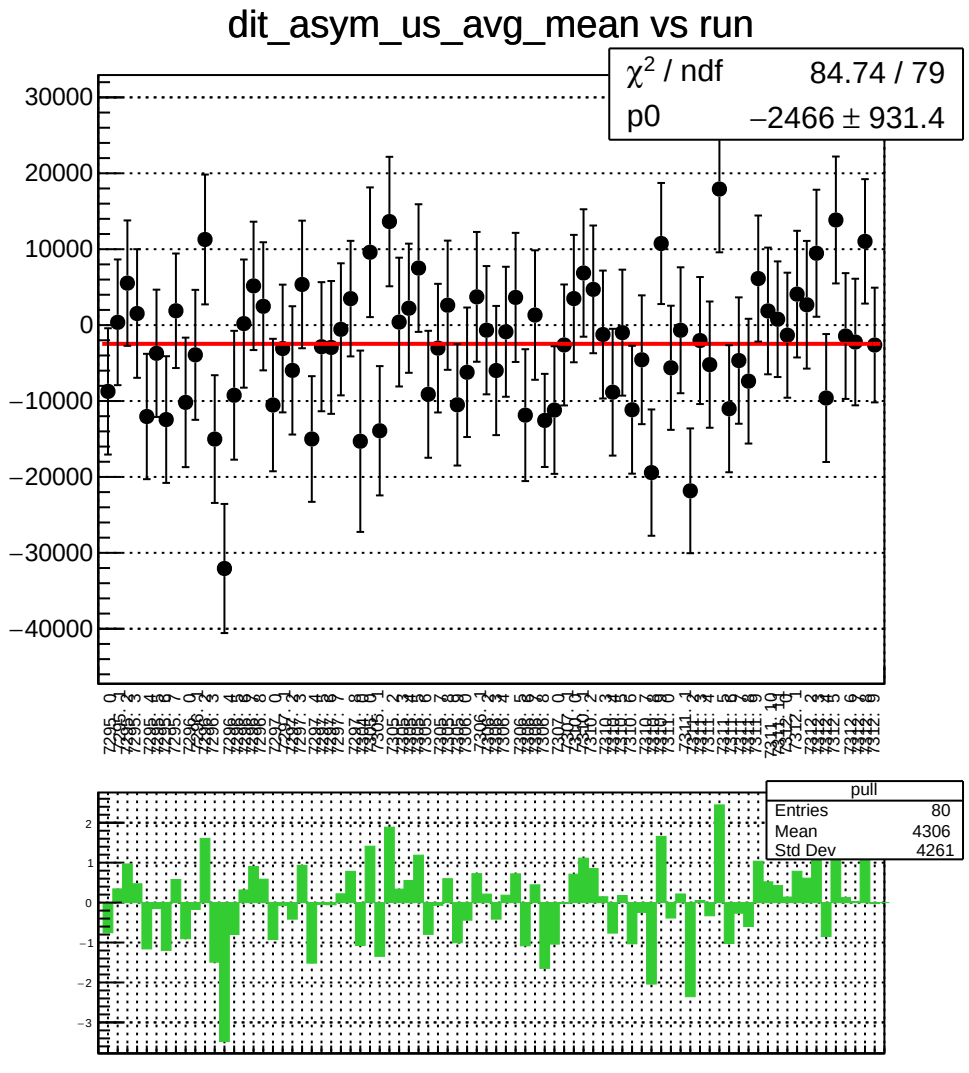
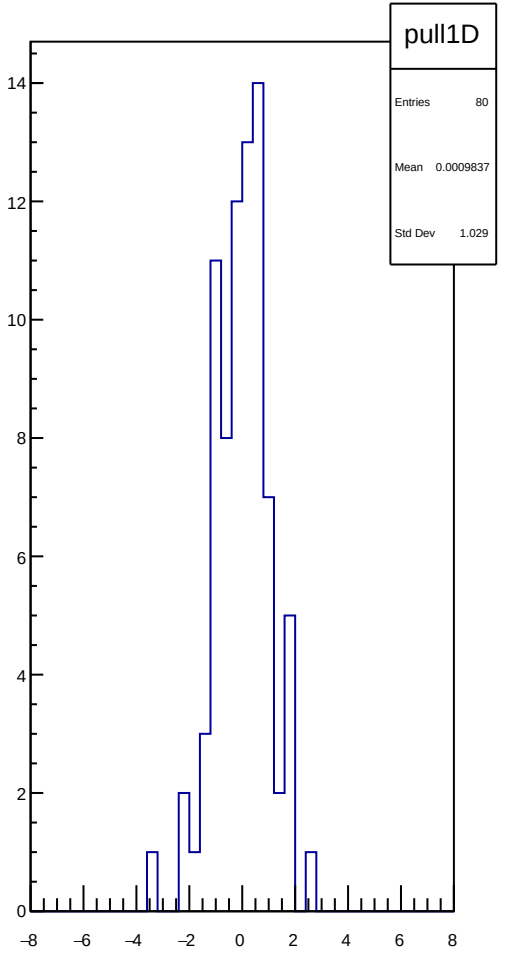
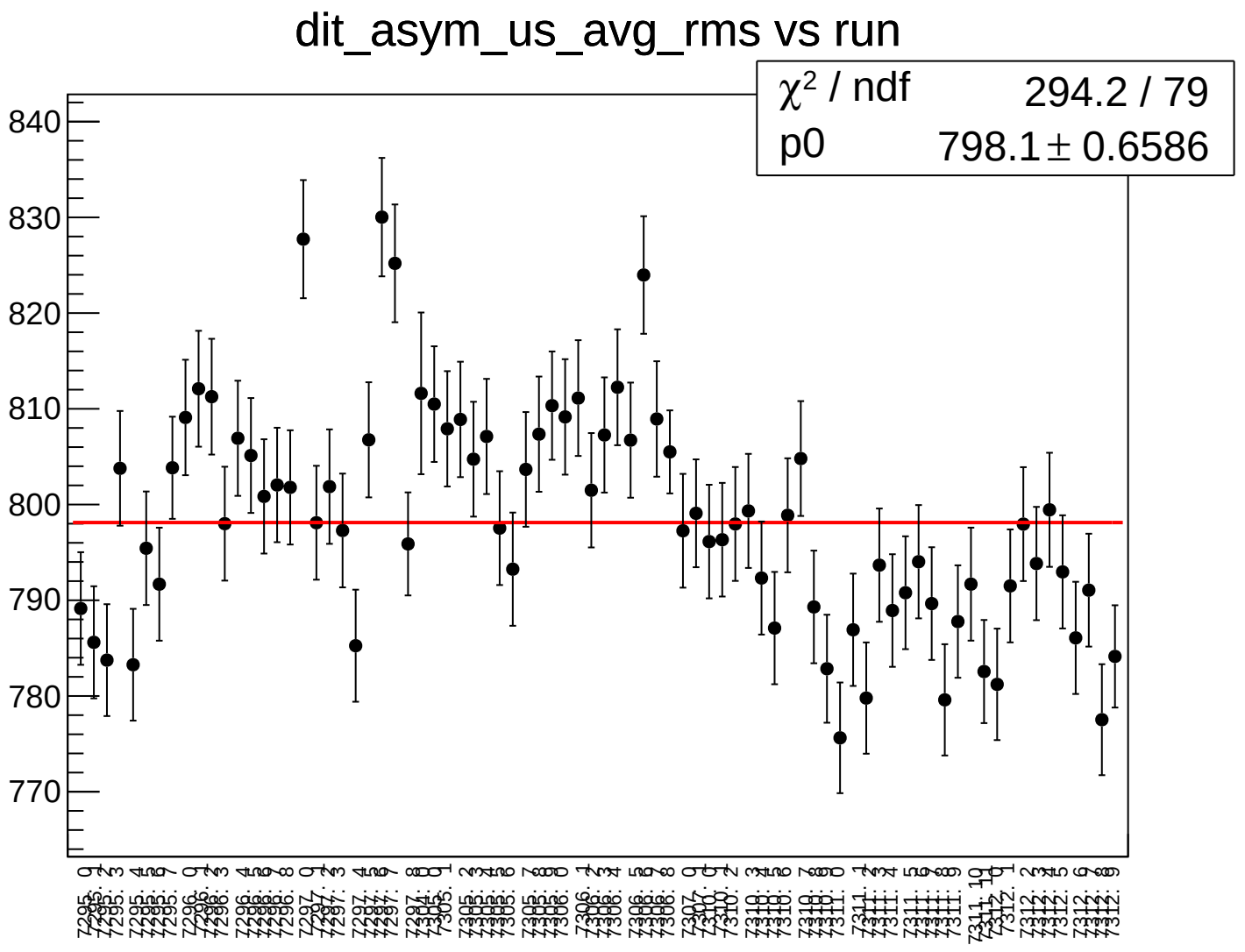
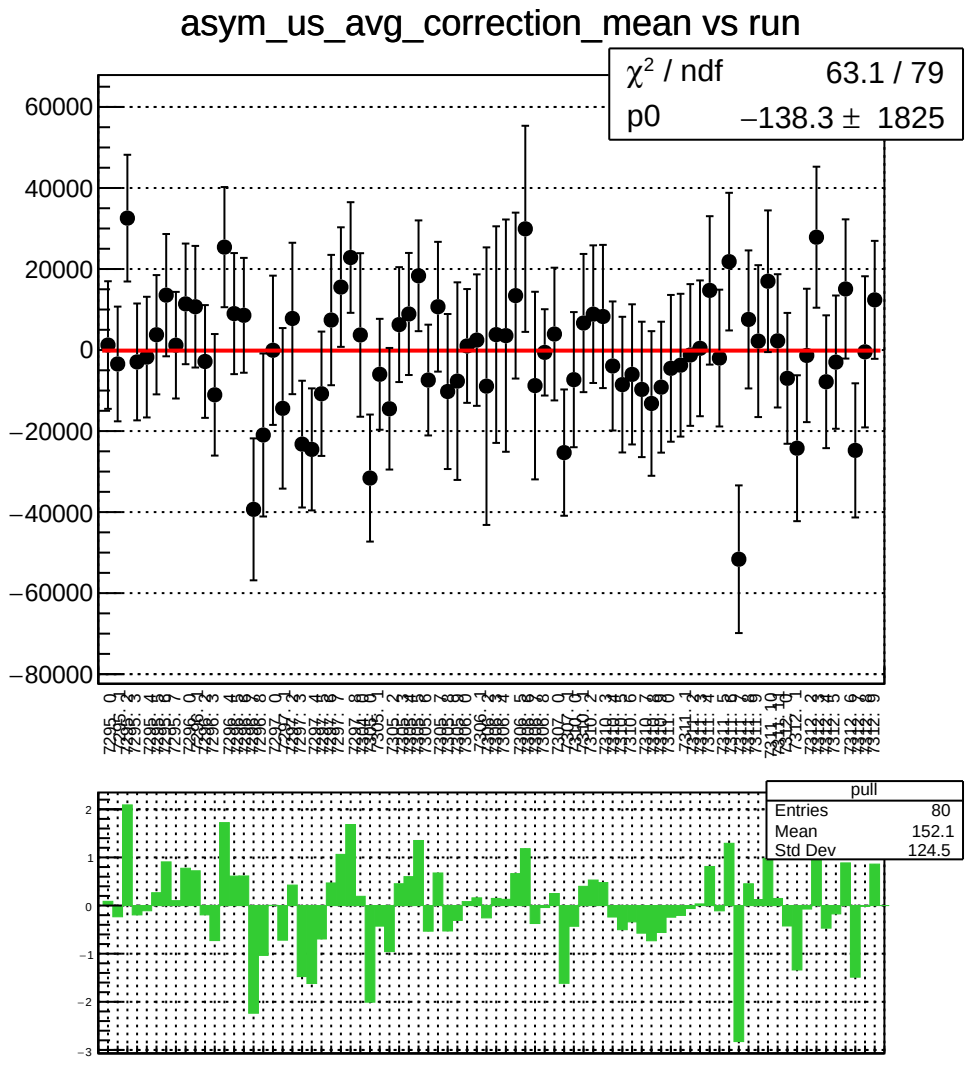
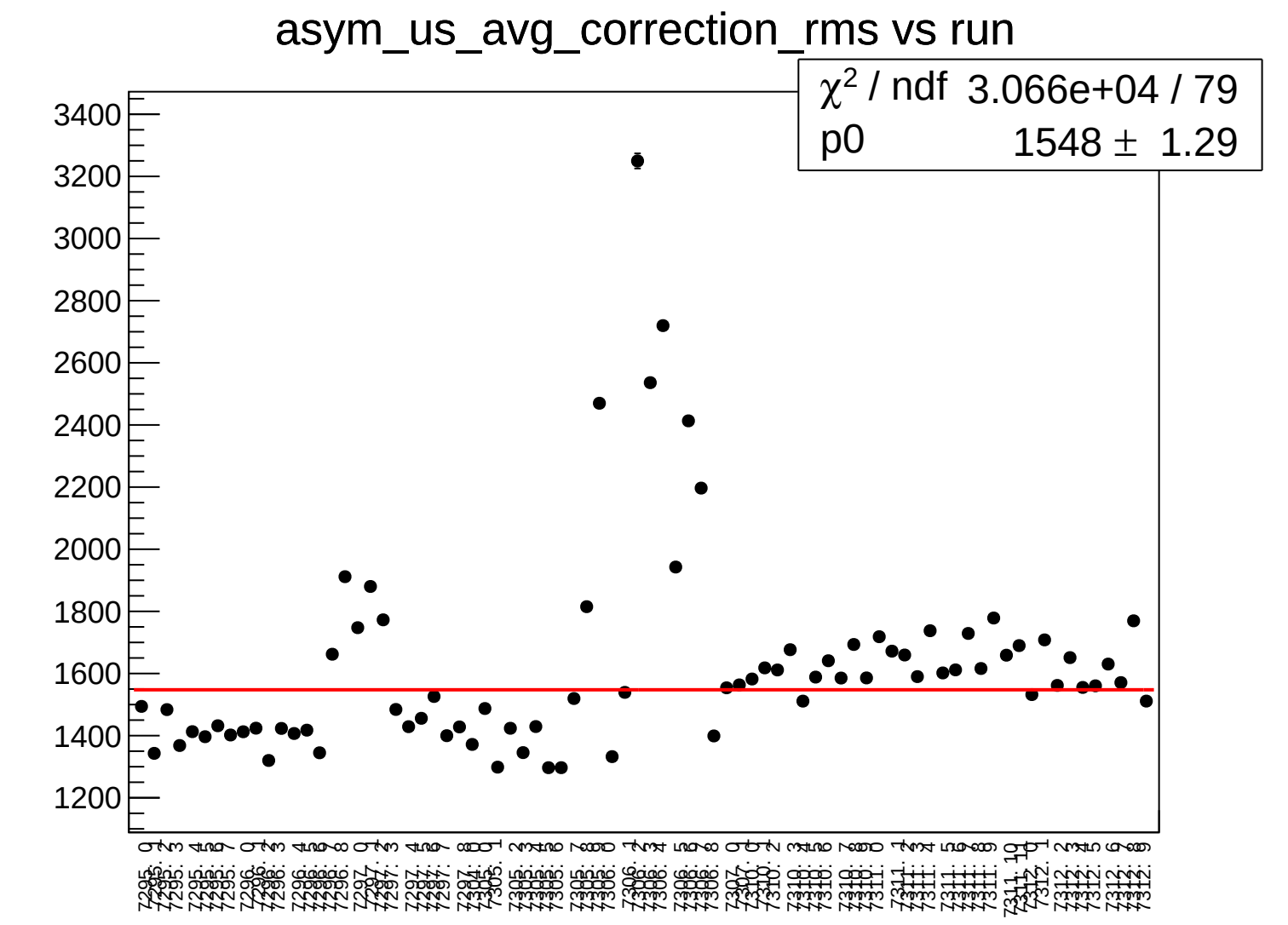
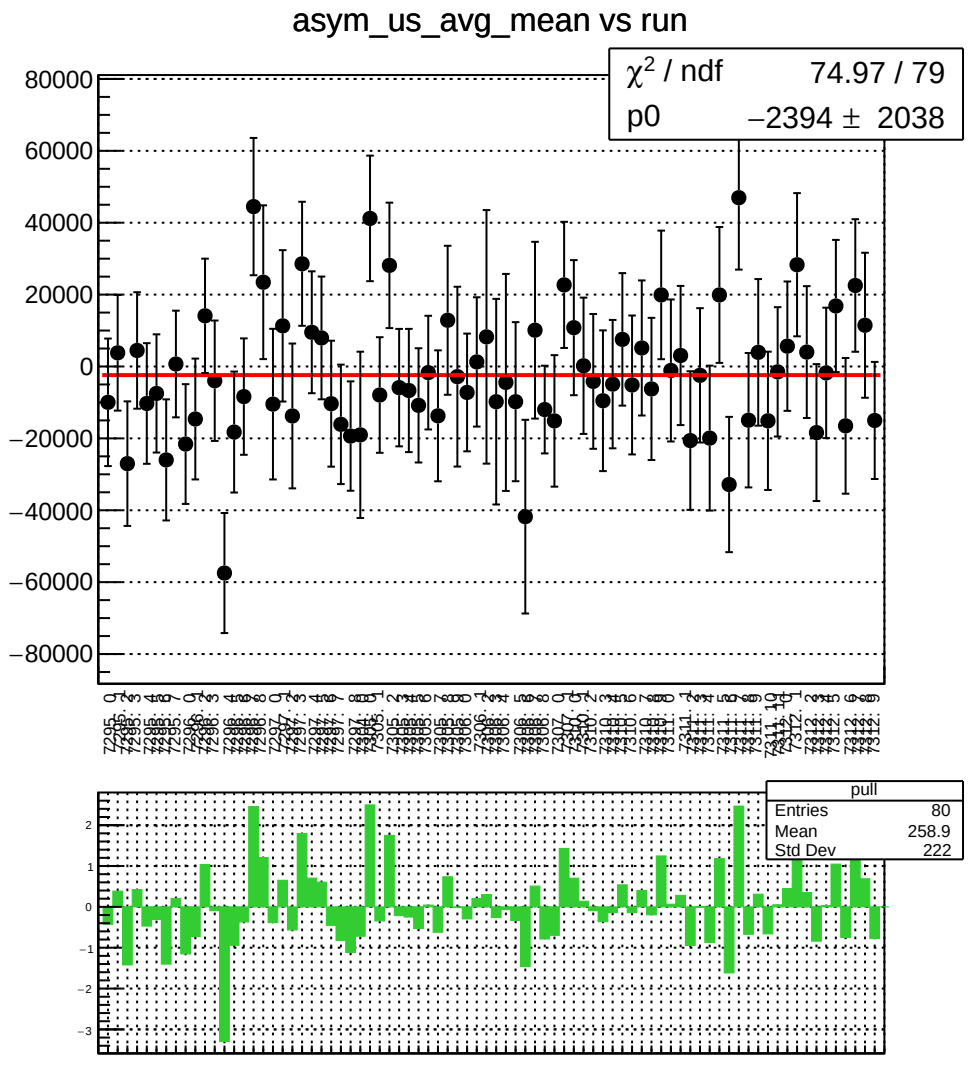

dit_asym_us_avg_mean vs run
χ² / ndf 84.74 / 79
p0 −2466 ± 931.4
pull
Entries 80
Mean 4306
Std Dev 4261

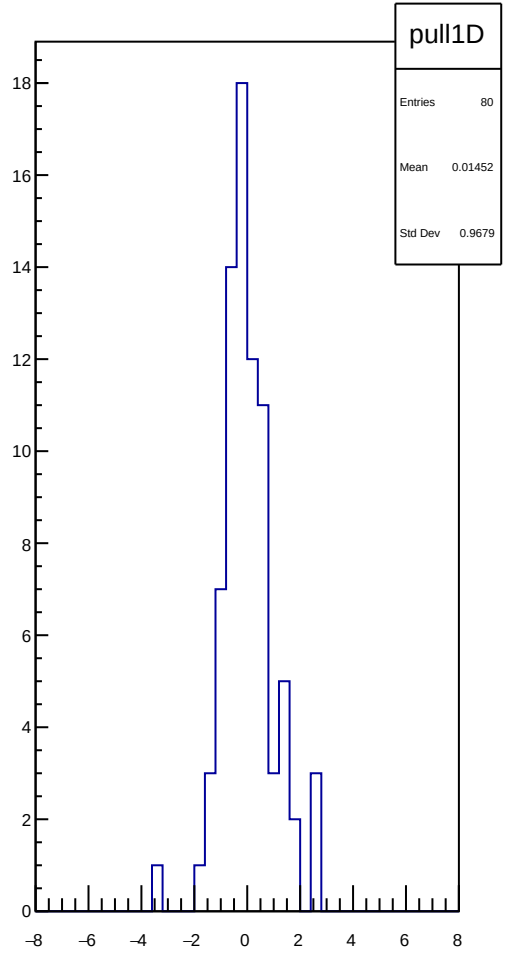

pull1D
Entries 80
Mean 0.0009837
Std Dev 1.029

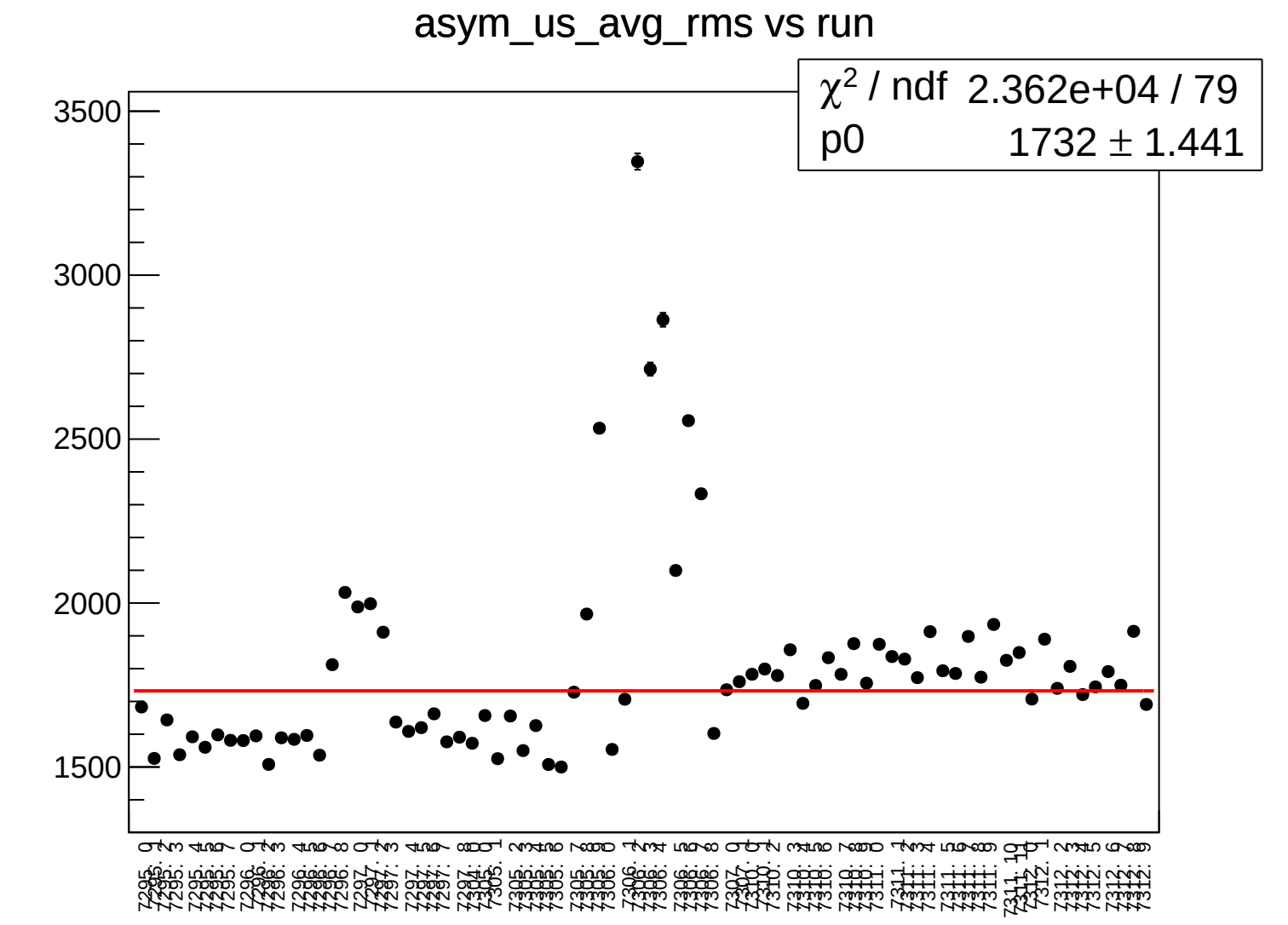

dit_asym_us_avg_rms vs run
χ² / ndf 294.2 / 79
p0 798.1 ± 0.6586
840
830
820
810
800
790
780
770

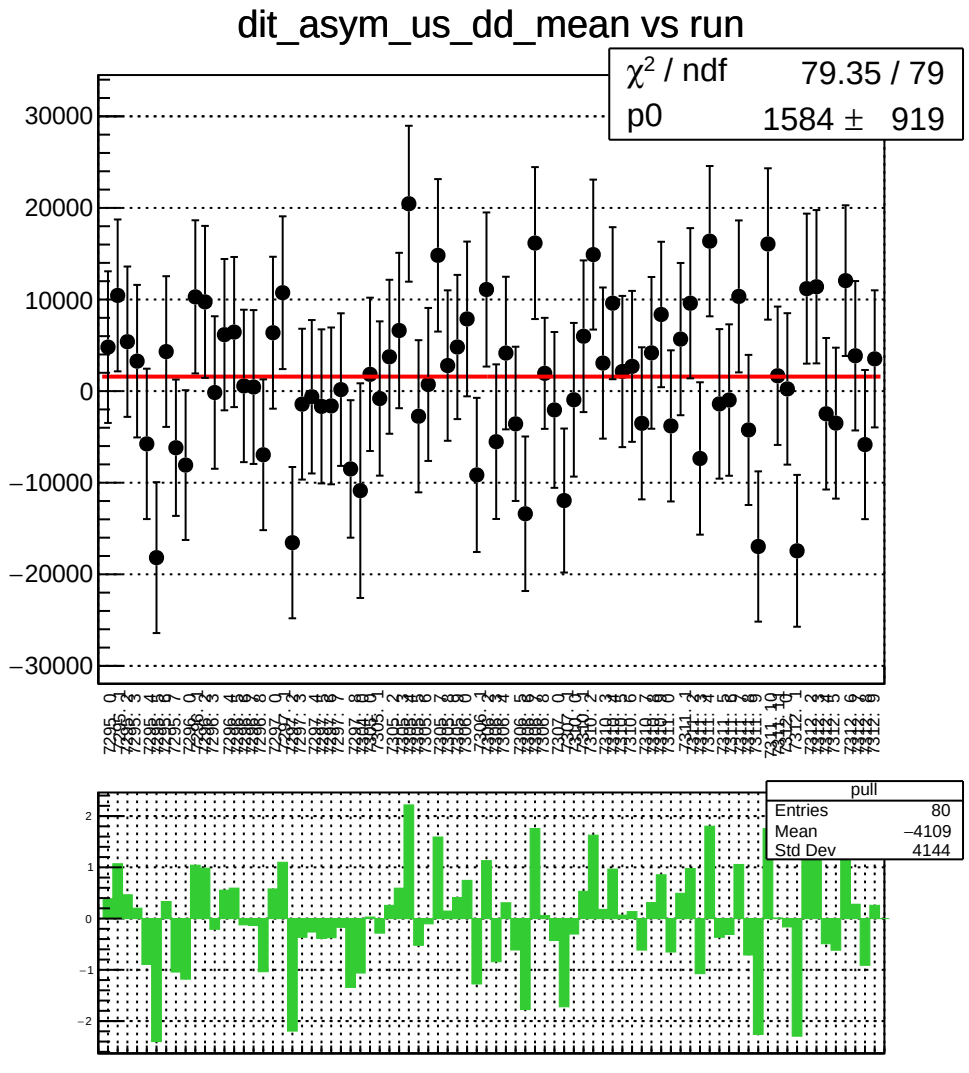

asym_us_avg_correction_mean vs run
χ² / ndf 63.1 / 79
p0 −138.3 ± 1825
pull
Entries 80
Mean 152.1
Std Dev 124.5
pull1D
Entries 80
Mean −0.01313
Std Dev 0.888

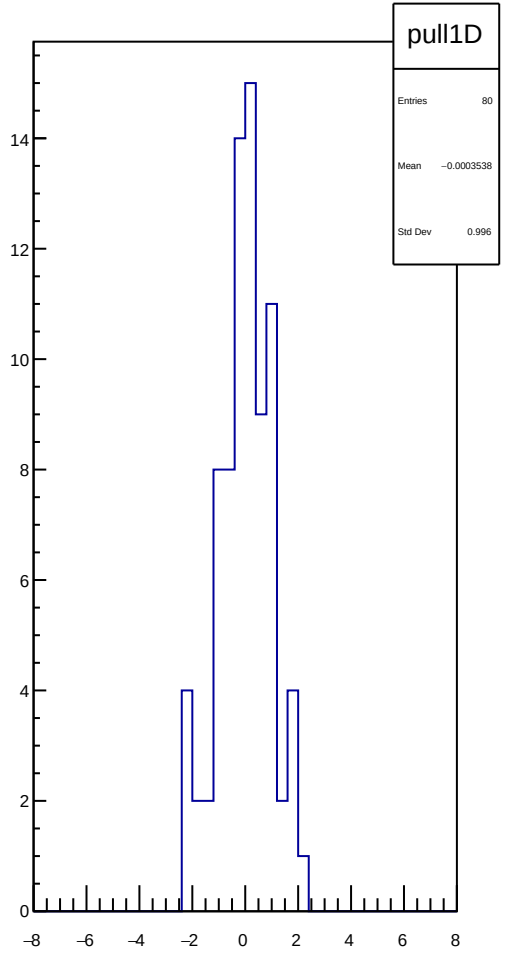

asym_us_avg_correction_rms vs run
χ² / ndf 3.066e+04 / 79
p0 1548 ± 1.29
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

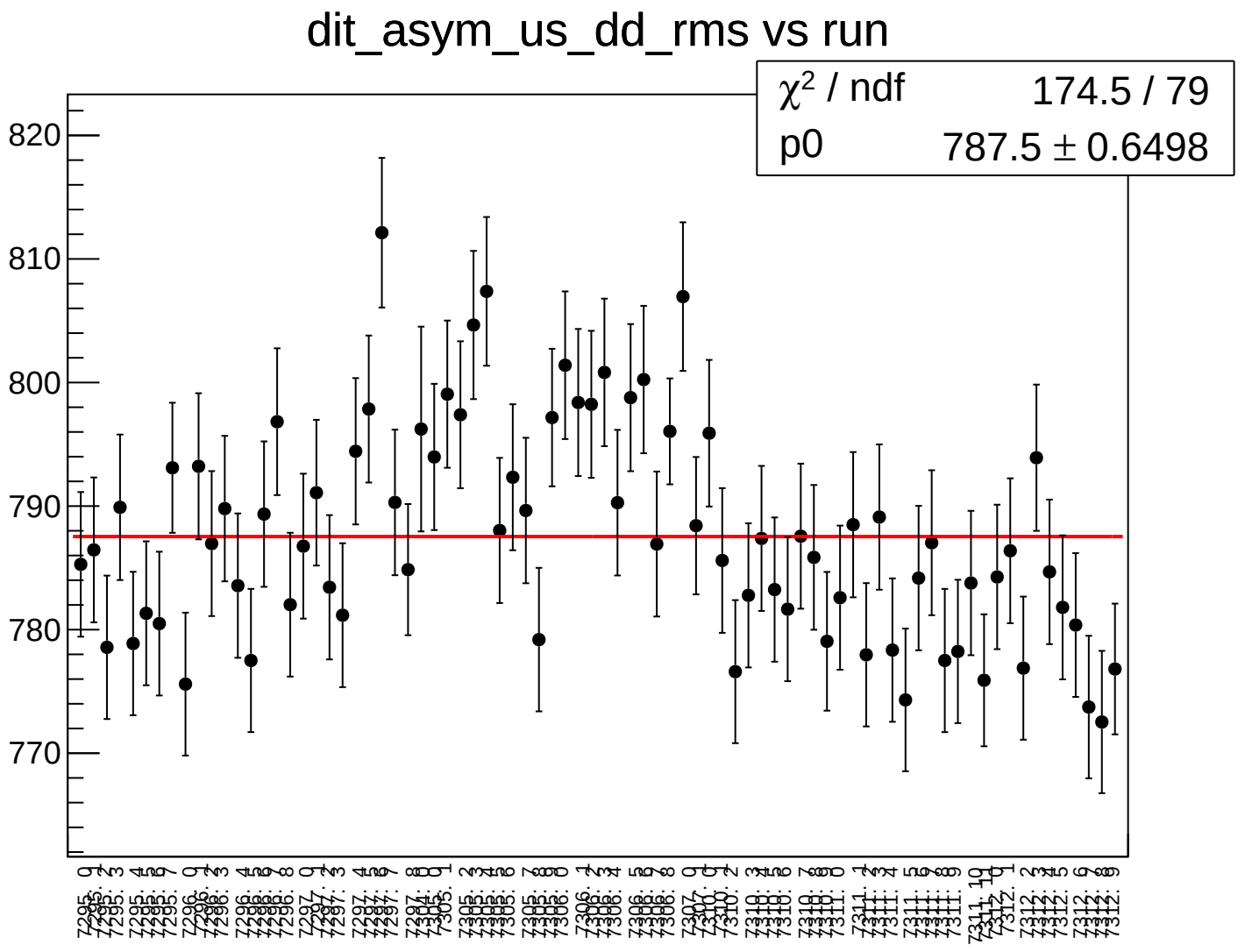

asym_us_avg_mean vs run
χ² / ndf 74.97 / 79
p0 −2394 ± 2038
pull
Entries 80
Mean 258.9
Std Dev 222

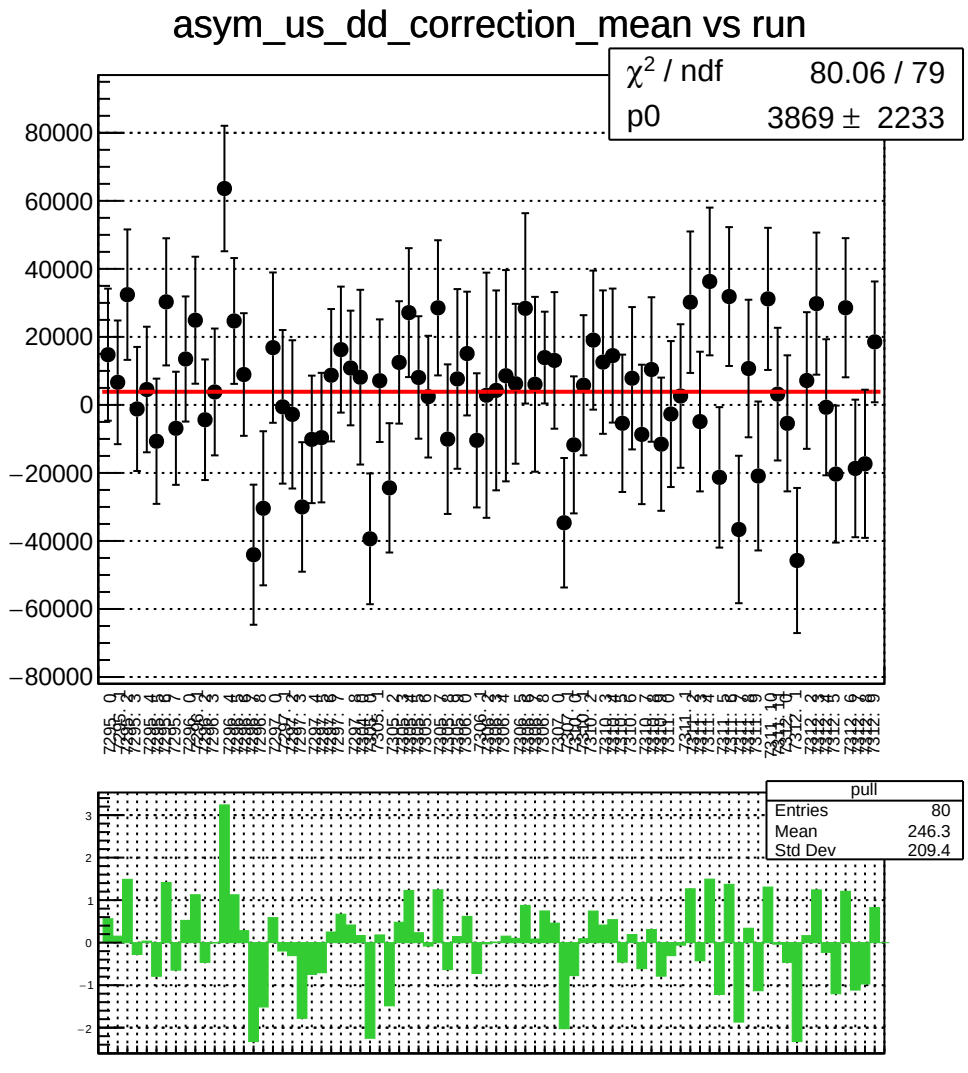

pull1D
Entries 80
Mean 0.01452
Std Dev 0.9679

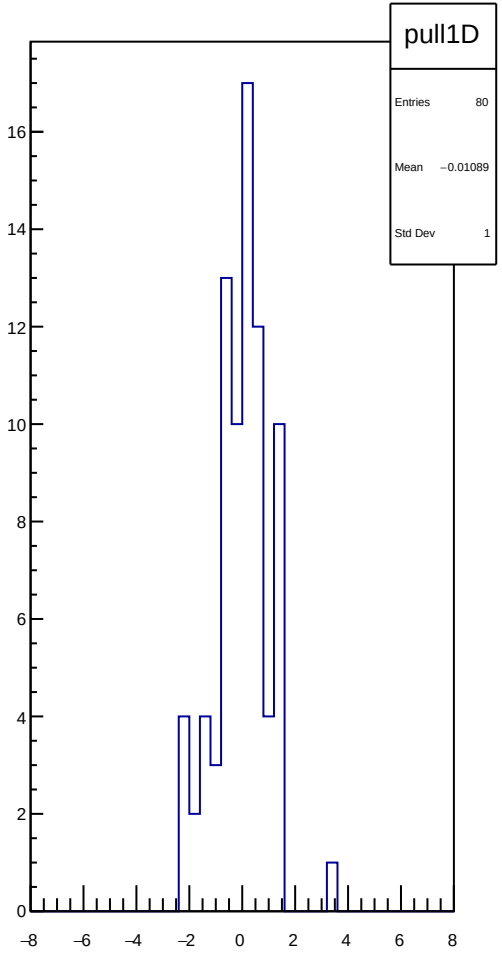

asym_us_avg_rms vs run
χ² / ndf 2.362e+04 / 79
p0 1732 ± 1.441
3500
3000
2500
2000
1500

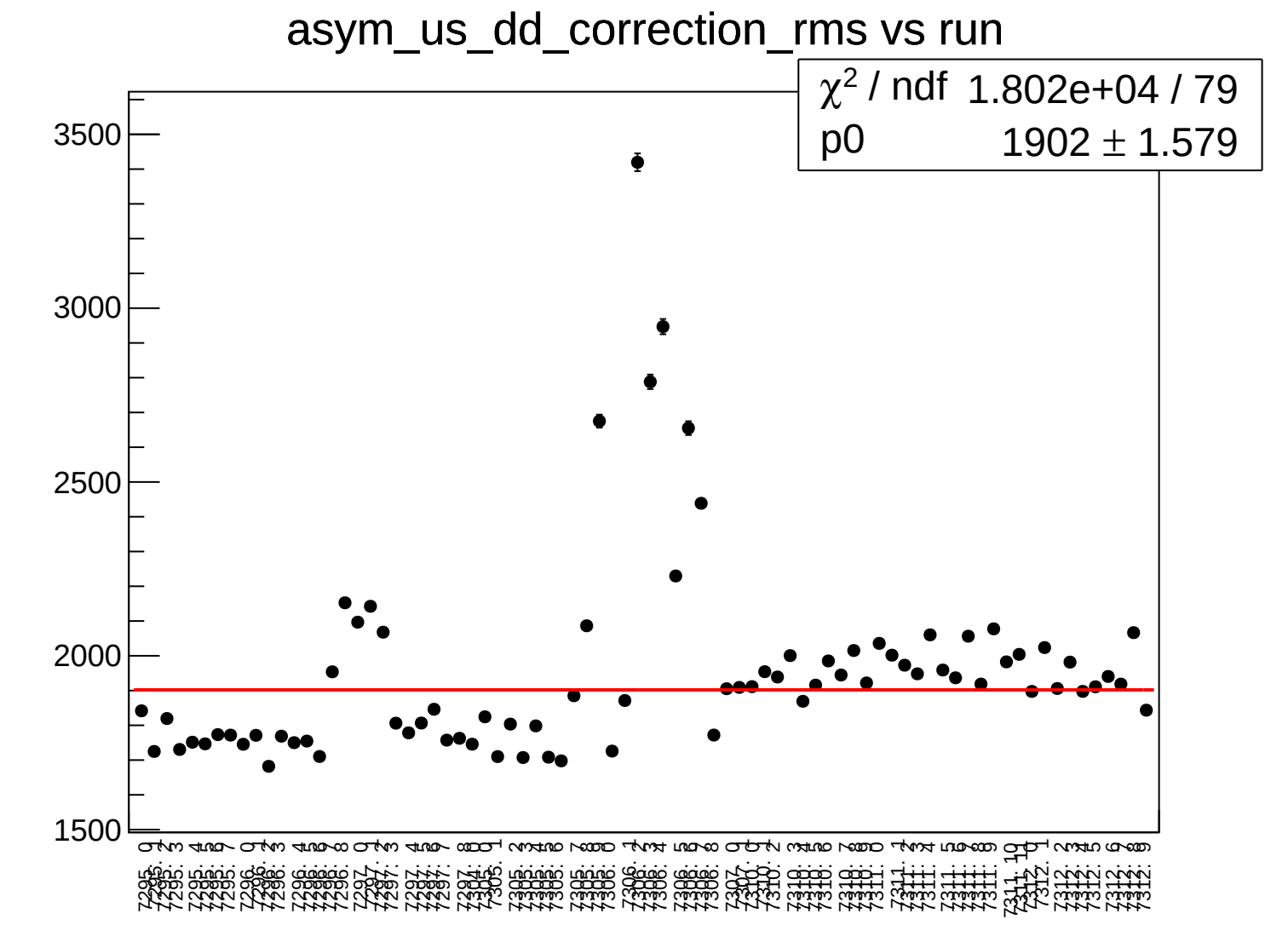

dit_asym_us_dd_mean vs run
χ² / ndf 79.35 / 79
p0 1584 ± 919
pull
Entries 80
Mean −4109
Std Dev 4144

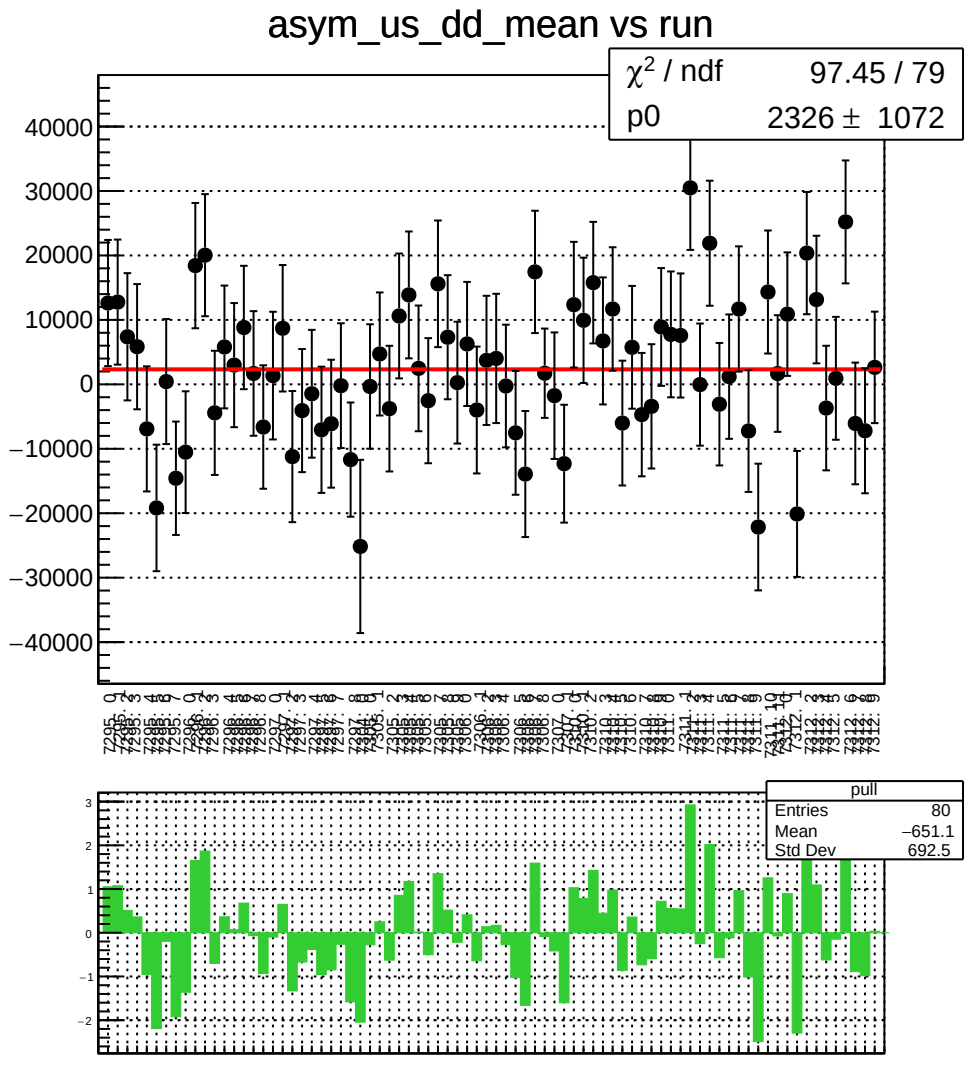

pull1D
Entries 80
Mean −0.0003538
Std Dev 0.996

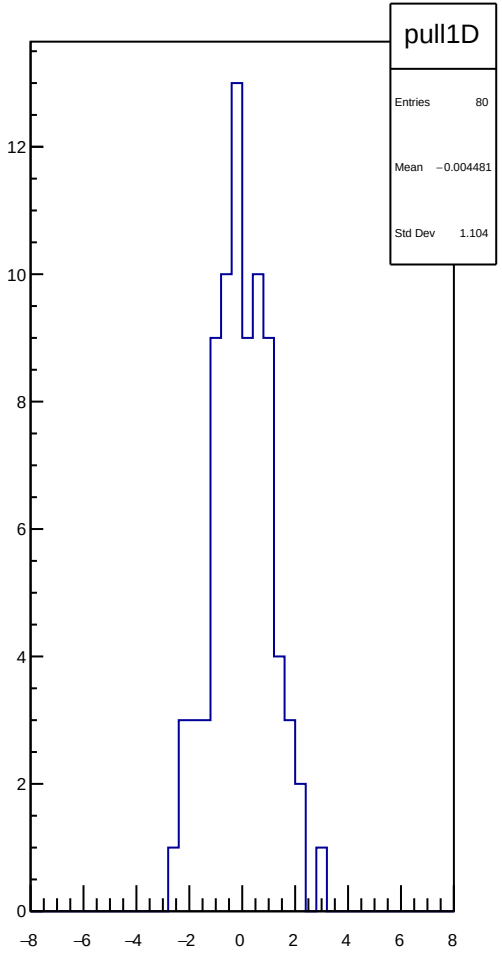

dit_asym_us_dd_rms vs run
χ² / ndf 174.5 / 79
p0 787.5 ± 0.6498
820
810
800
790
780
770

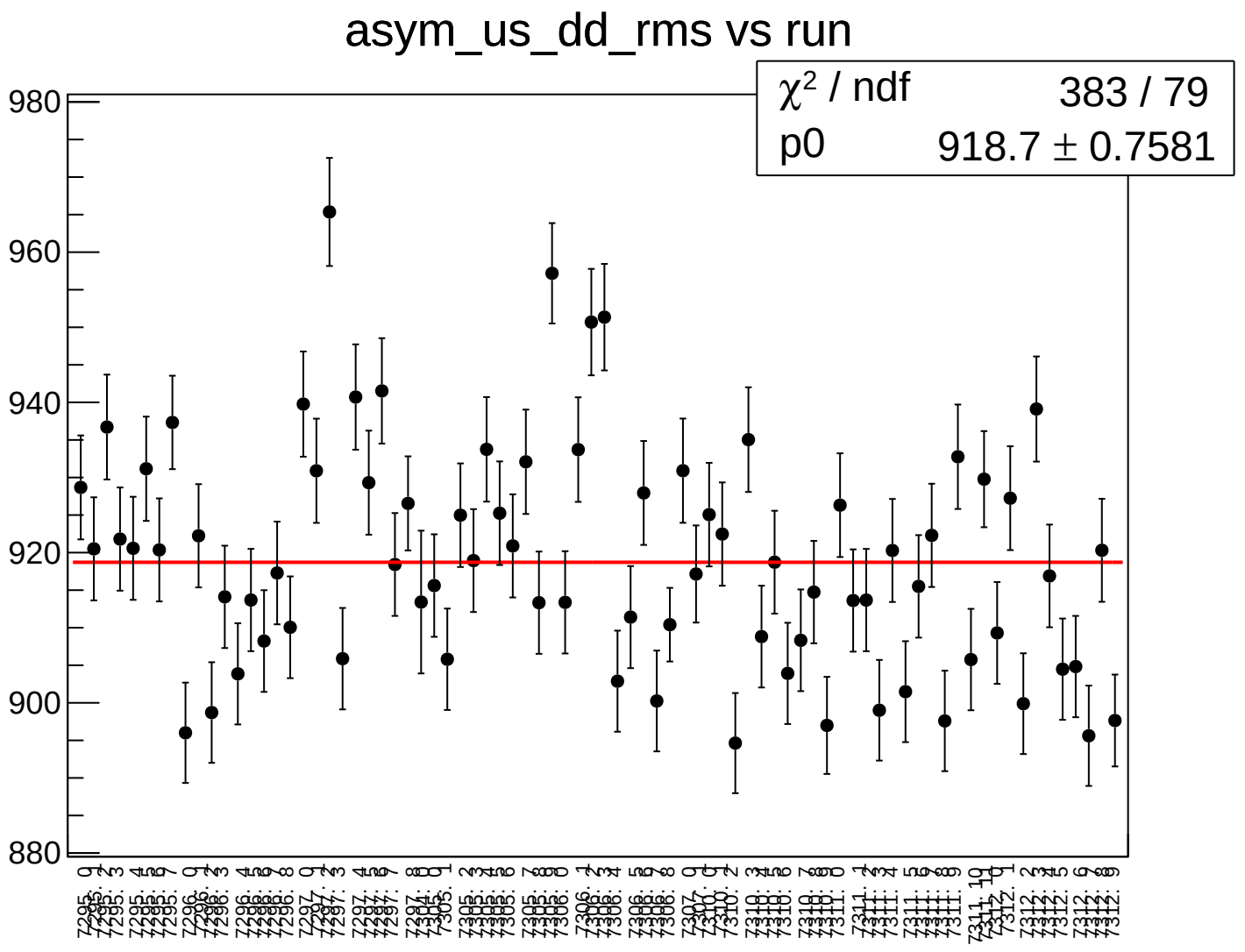

asym_us_dd_correction_mean vs run
χ² / ndf 80.06 / 79
p0 3869 ± 2233
pull
Entries 80
Mean 246.3
Std Dev 209.4

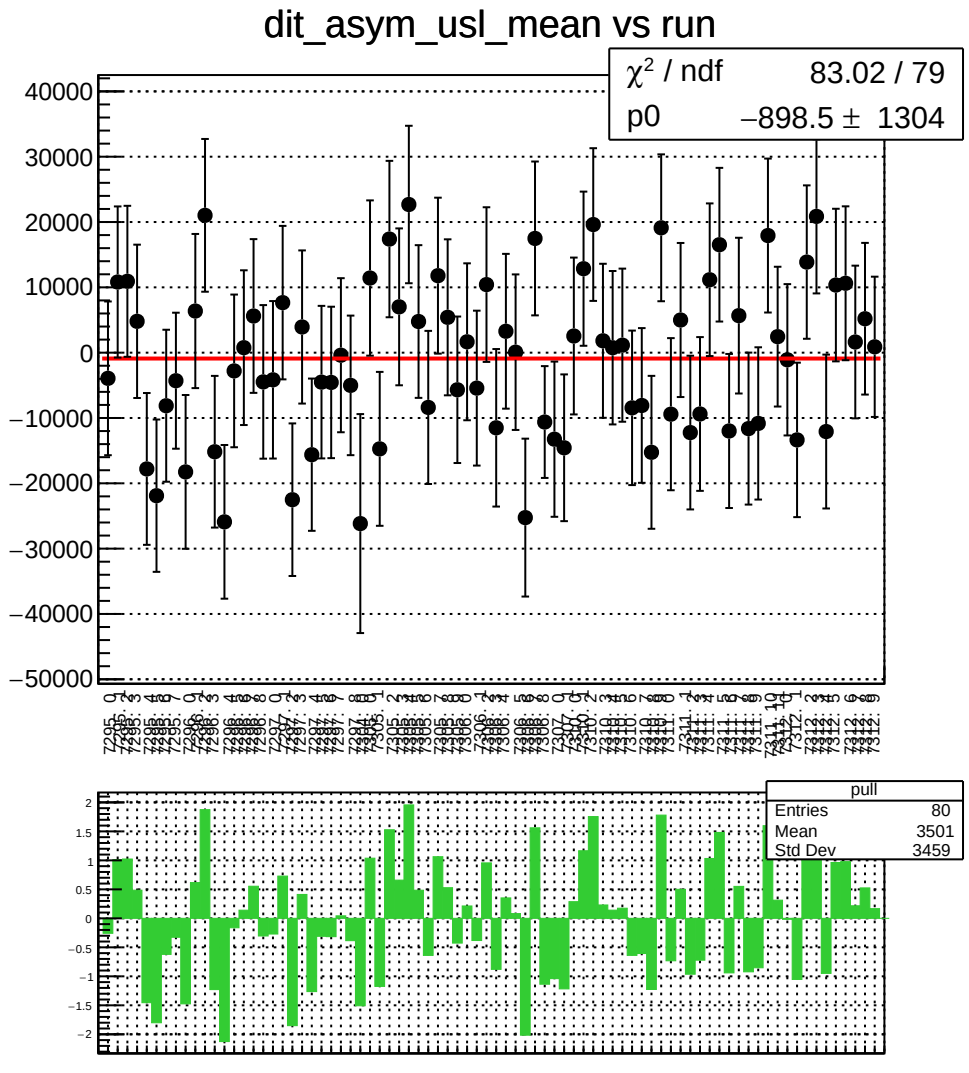

pull1D
Entries 80
Mean −0.01089
Std Dev 1

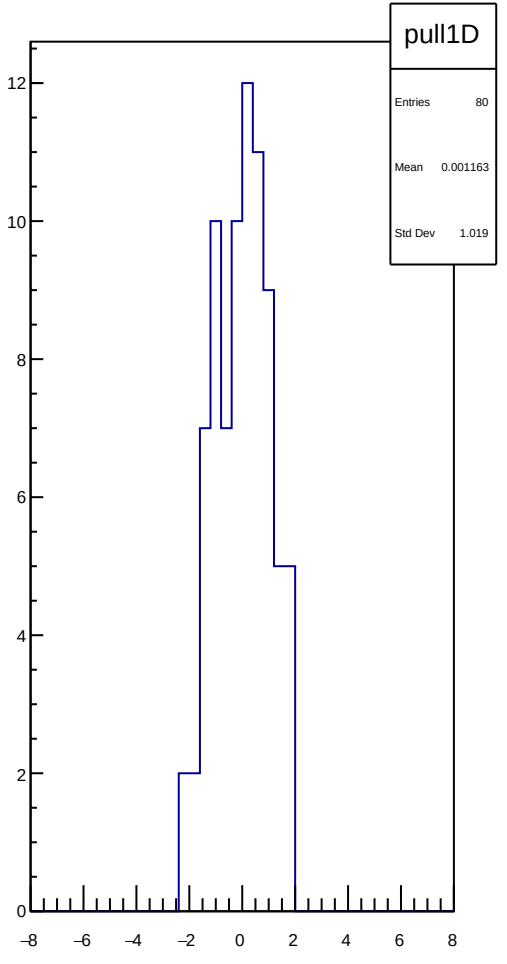

asym_us_dd_correction_rms vs run
χ² / ndf 1.802e+04 / 79
p0 1902 ± 1.579
3500
3000
2500
2000
1500

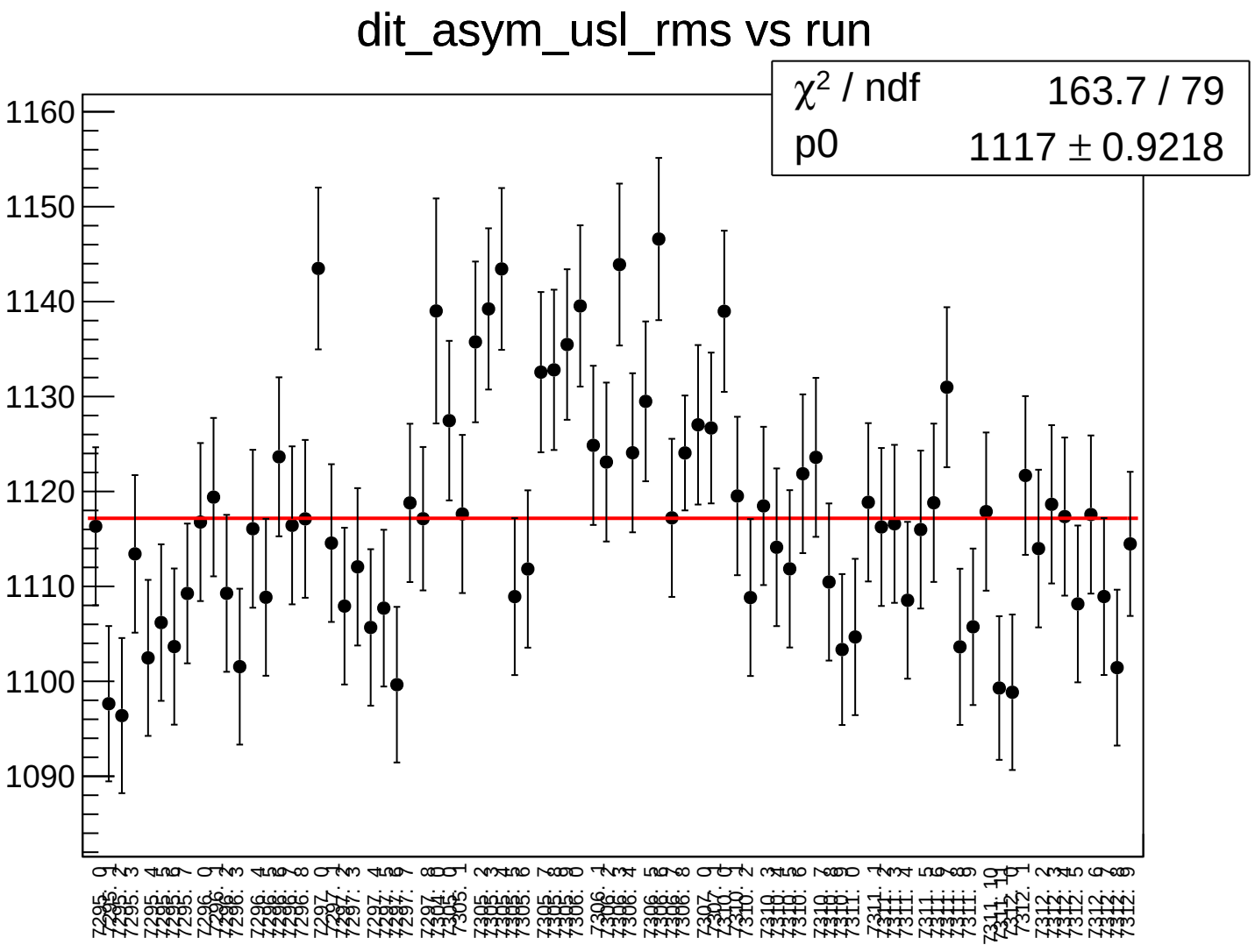

asym_us_dd_mean vs run
χ² / ndf 97.45 / 79
p0 2326 ± 1072
pull
Entries 80
Mean −651.1
Std Dev 692.5

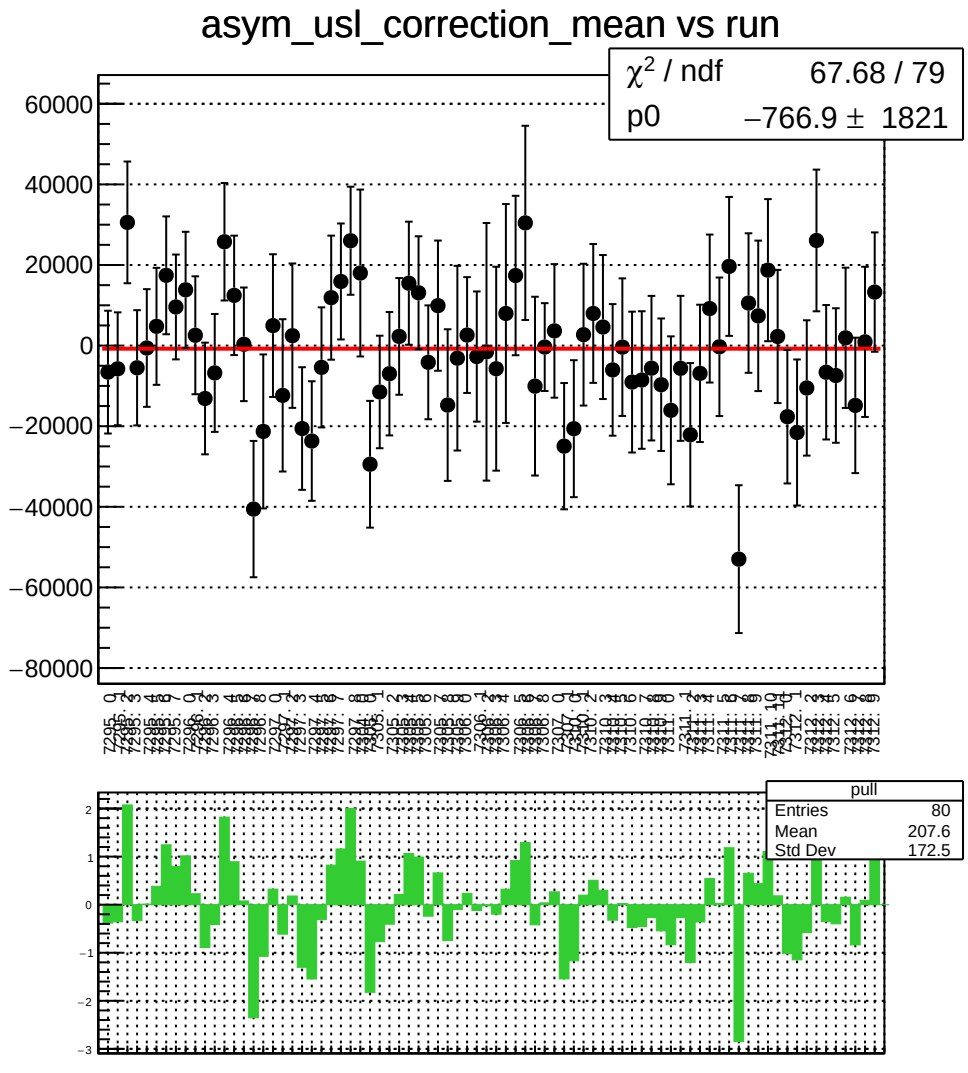

pull1D
Entries 80
Mean −0.004481
Std Dev 1.104

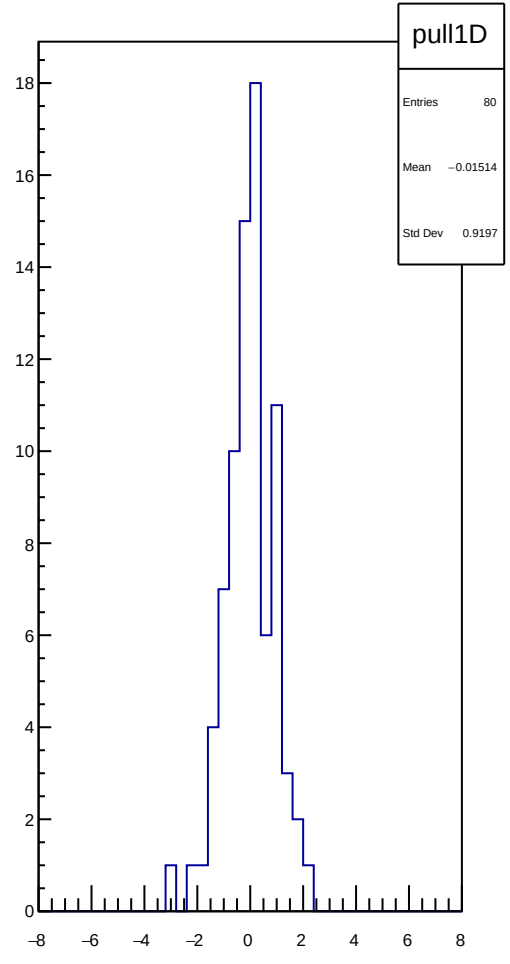

asym_us_dd_rms vs run
χ² / ndf 383 / 79
p0 918.7 ± 0.7581
980
960
940
920
900
880

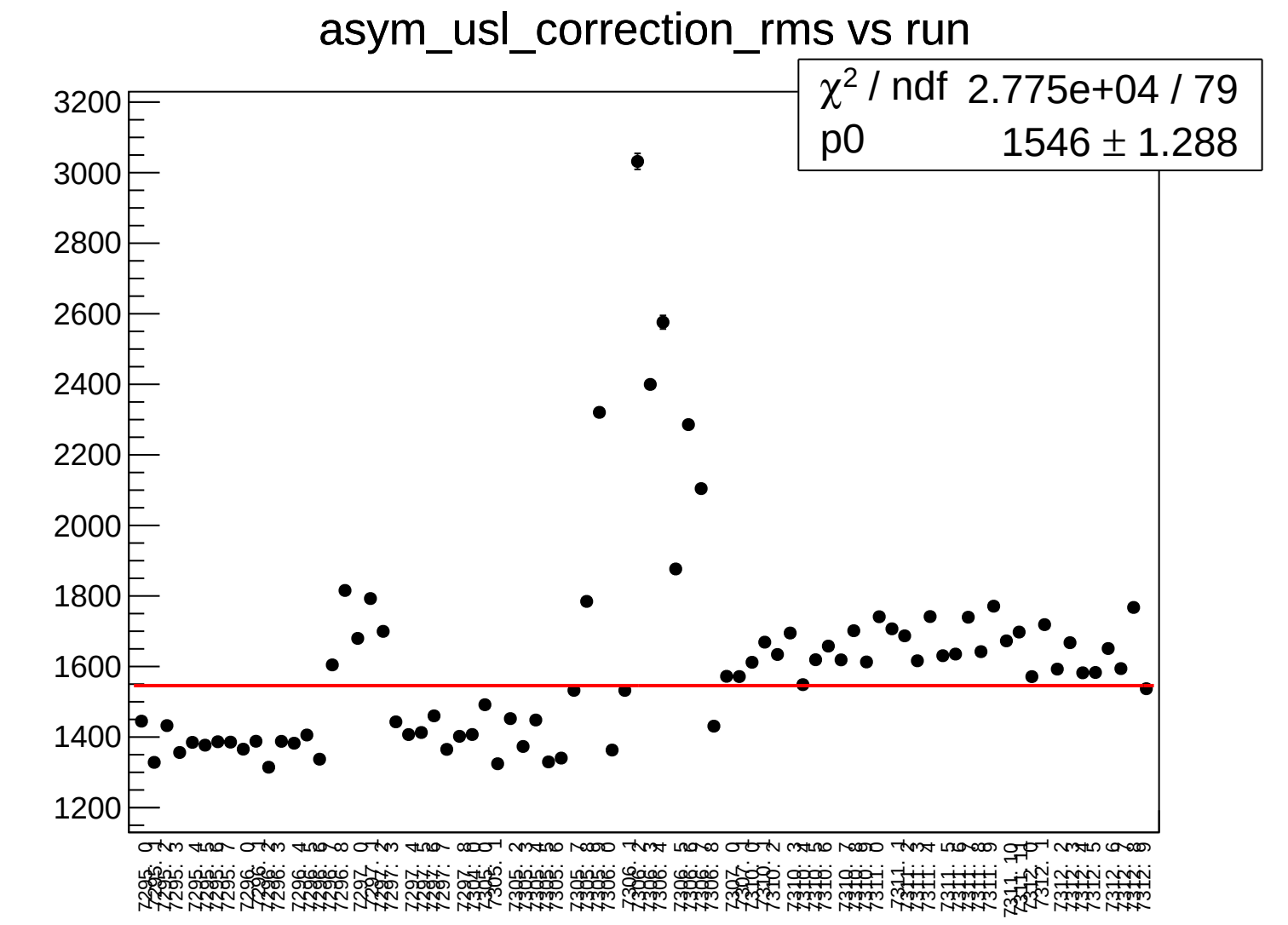

dit_asym_usl_mean vs run
χ² / ndf 83.02 / 79
p0 −898.5 ± 1304
pull
Entries 80
Mean 3501
Std Dev 3459

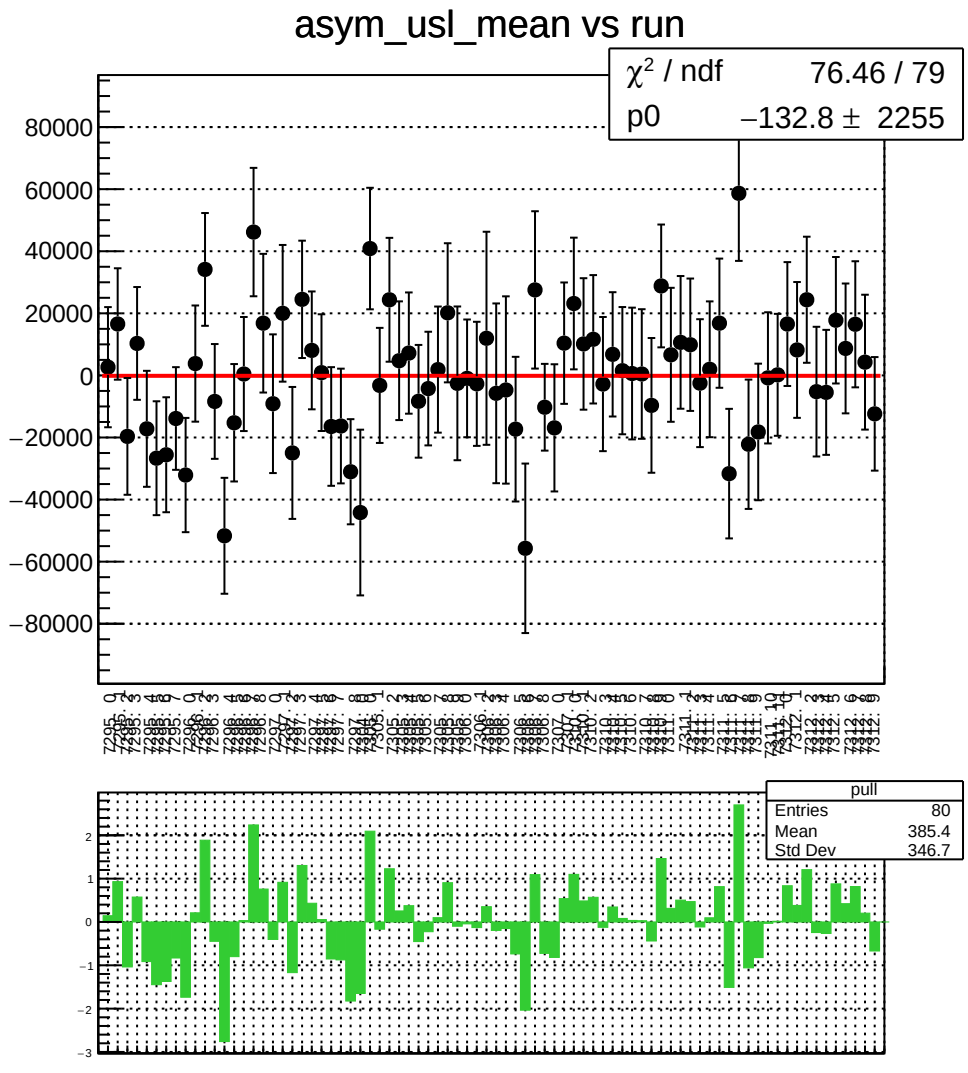

pull1D
Entries 80
Mean 0.001163
Std Dev 1.019

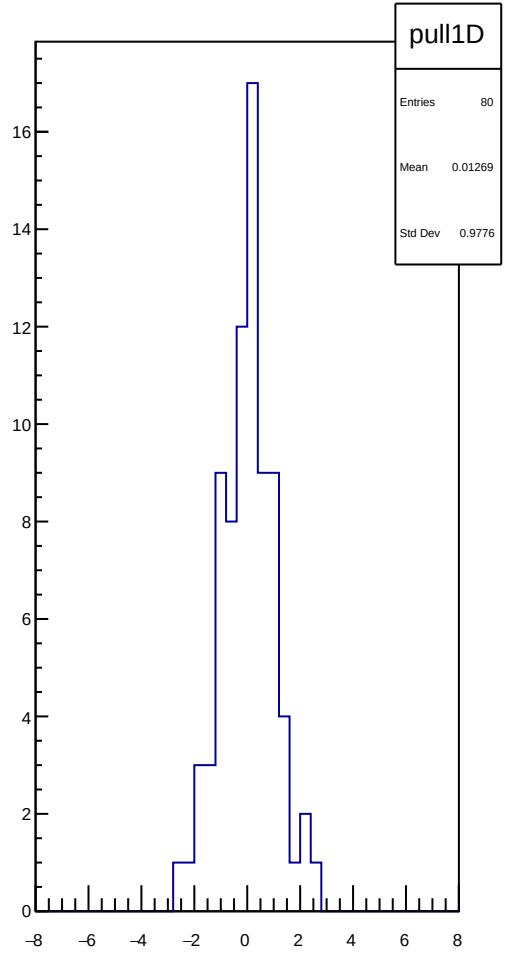

dit_asym_usl_rms vs run
χ² / ndf 163.7 / 79
p0 1117 ± 0.9218
1160
1150
1140
1130
1120
1110
1100
1090

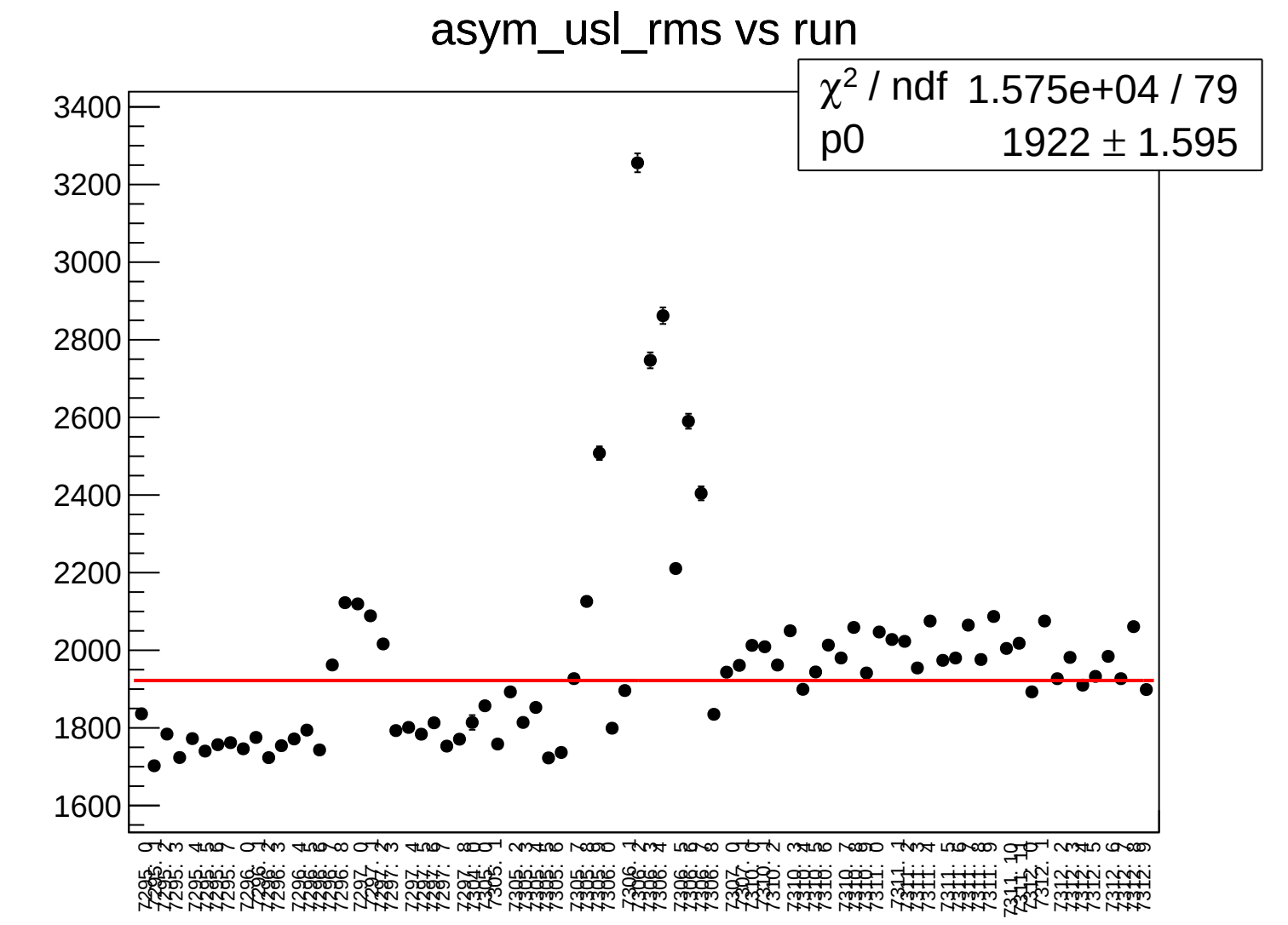

asym_usl_correction_mean vs run
χ² / ndf 67.68 / 79
p0 −766.9 ± 1821
pull
Entries 80
Mean 207.6
Std Dev 172.5

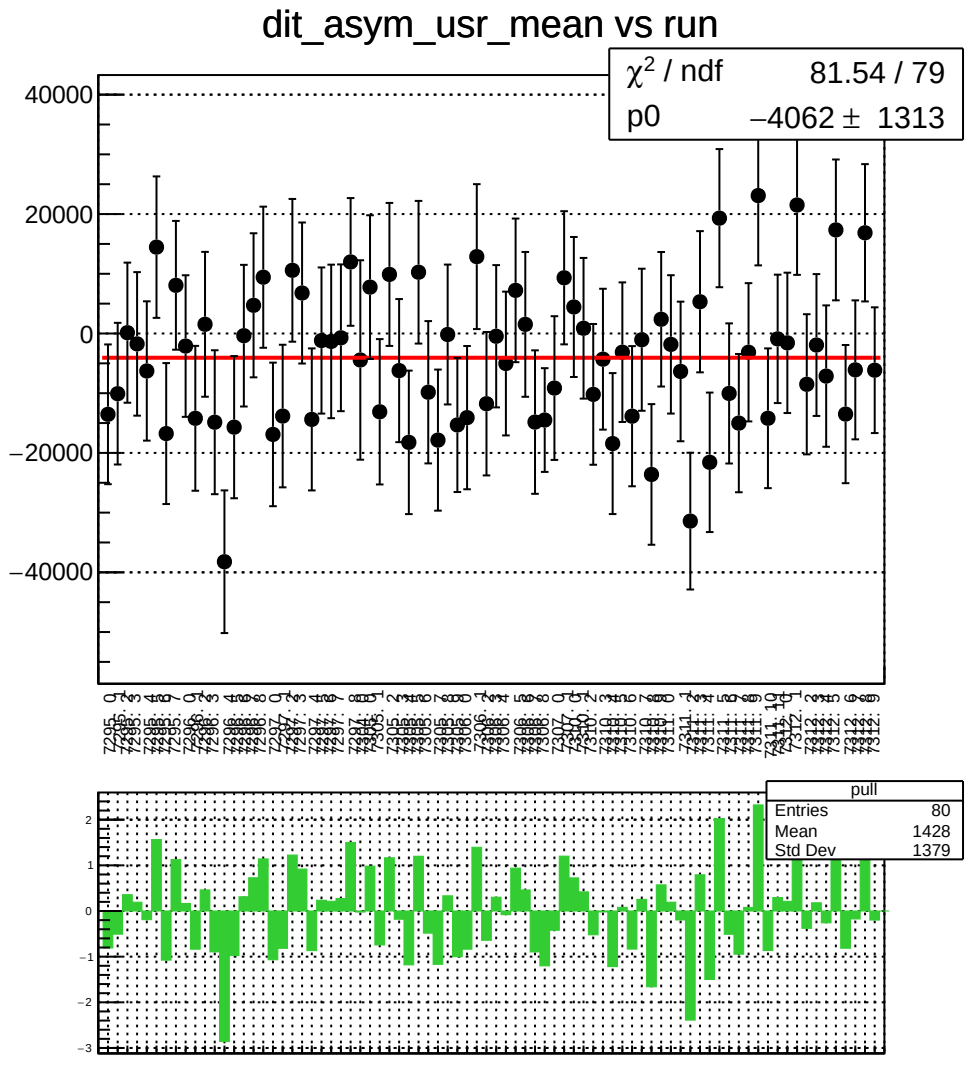

pull1D
Entries 80
Mean −0.01514
Std Dev 0.9197

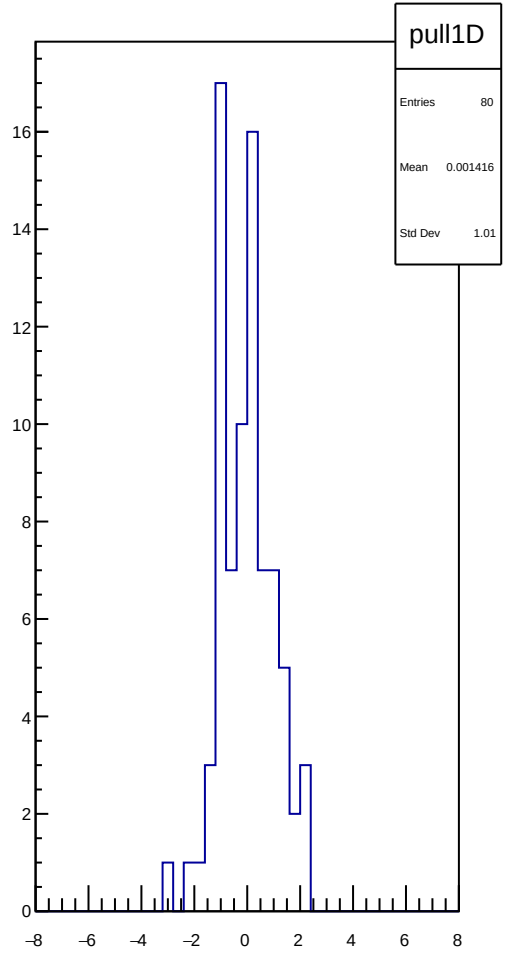

asym_usl_correction_rms vs run
χ² / ndf 2.775e+04 / 79
p0 1546 ± 1.288
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

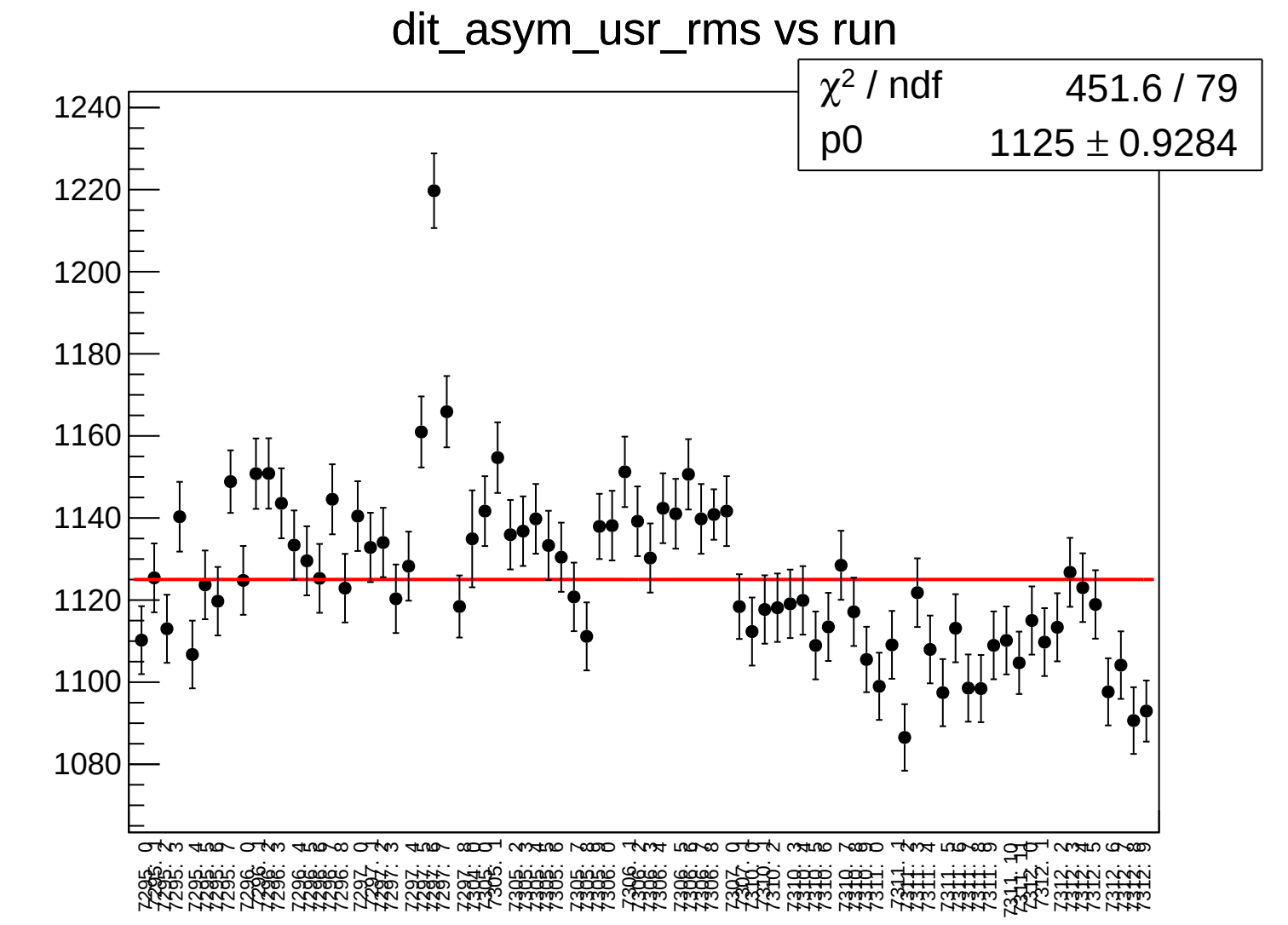

asym_usl_mean vs run
χ² / ndf 76.46 / 79
p0 −132.8 ± 2255
pull
Entries 80
Mean 385.4
Std Dev 346.7

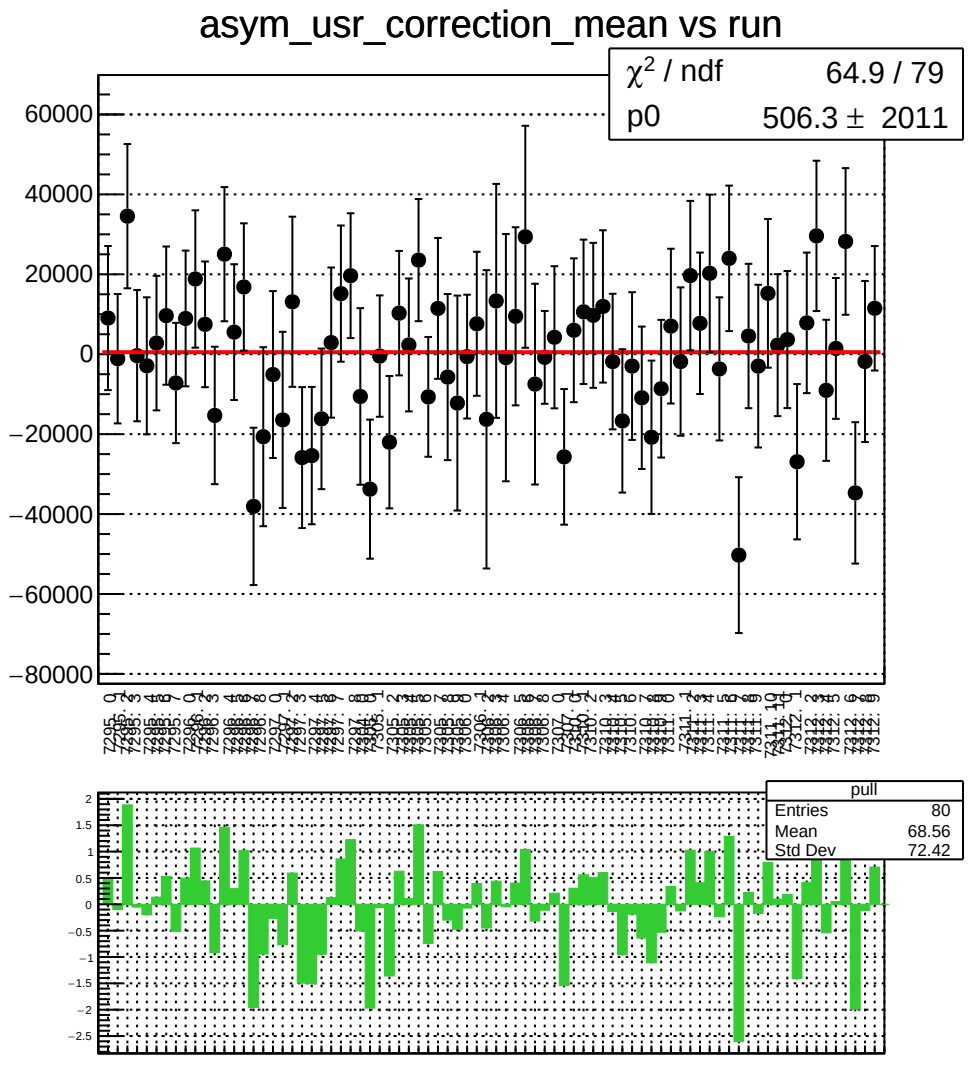

pull1D
Entries 80
Mean 0.01269
Std Dev 0.9776

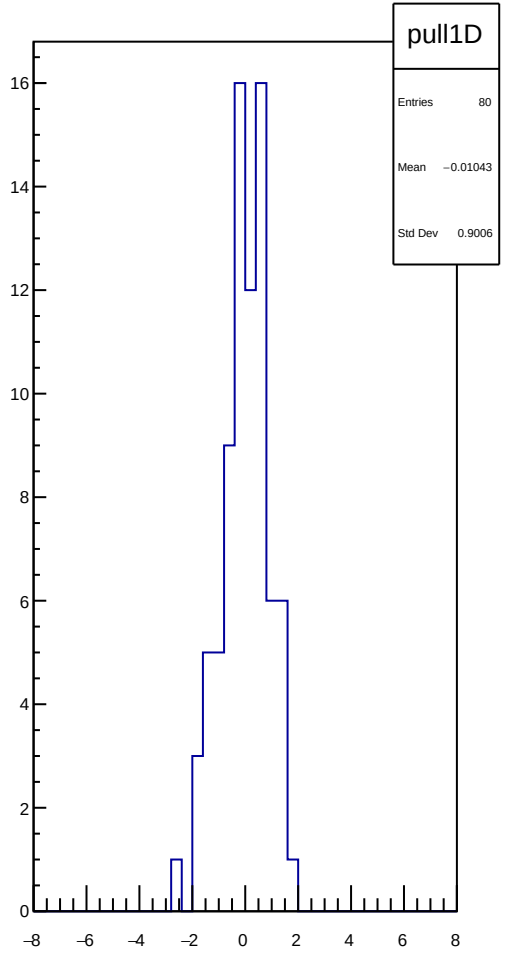

asym_usl_rms vs run
χ² / ndf 1.575e+04 / 79
p0 1922 ± 1.595
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

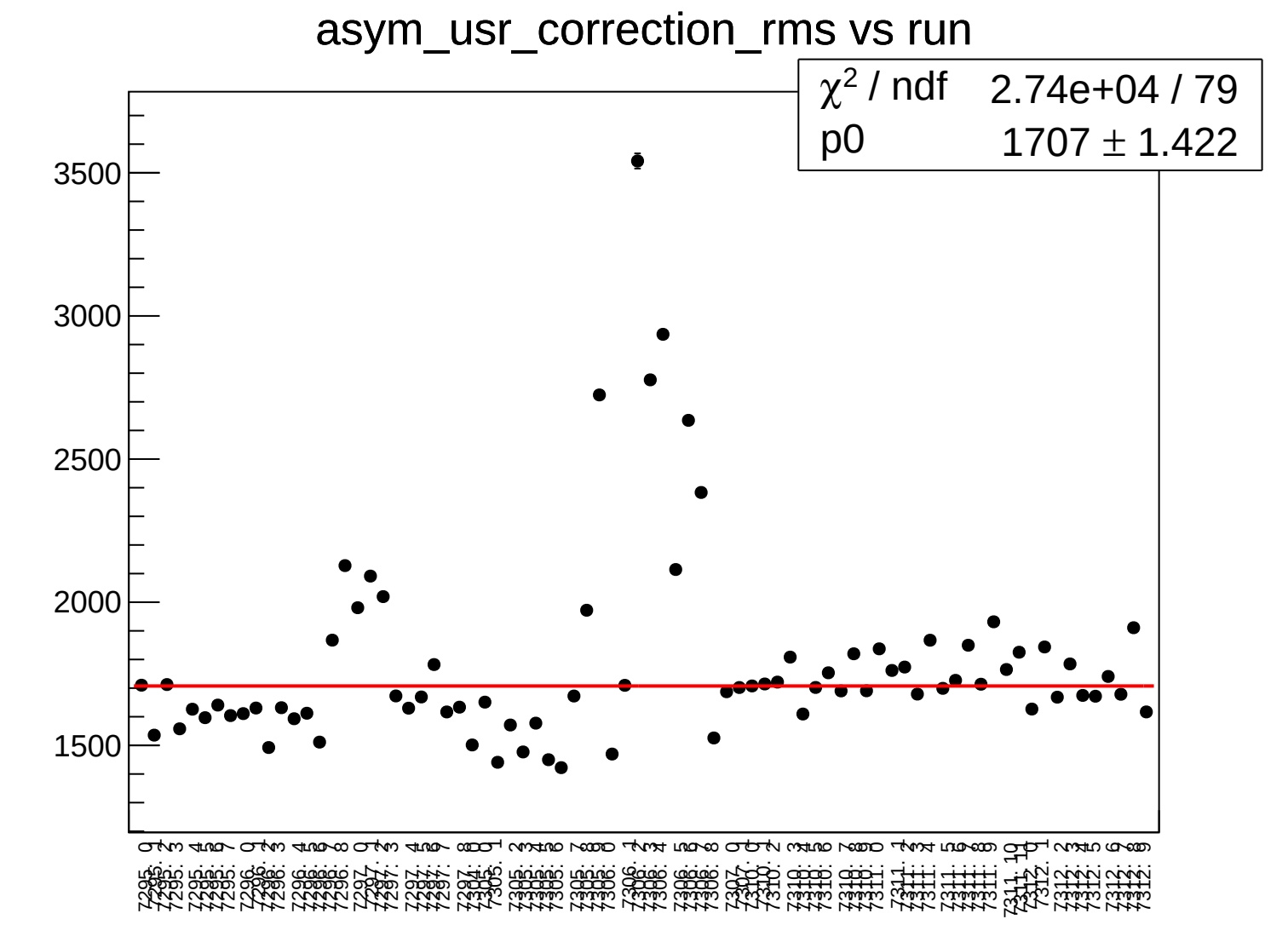

dit_asym_usr_mean vs run
χ² / ndf 81.54 / 79
p0 −4062 ± 1313
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1428
Std Dev 1379
2
1
0
−1
−2
−3

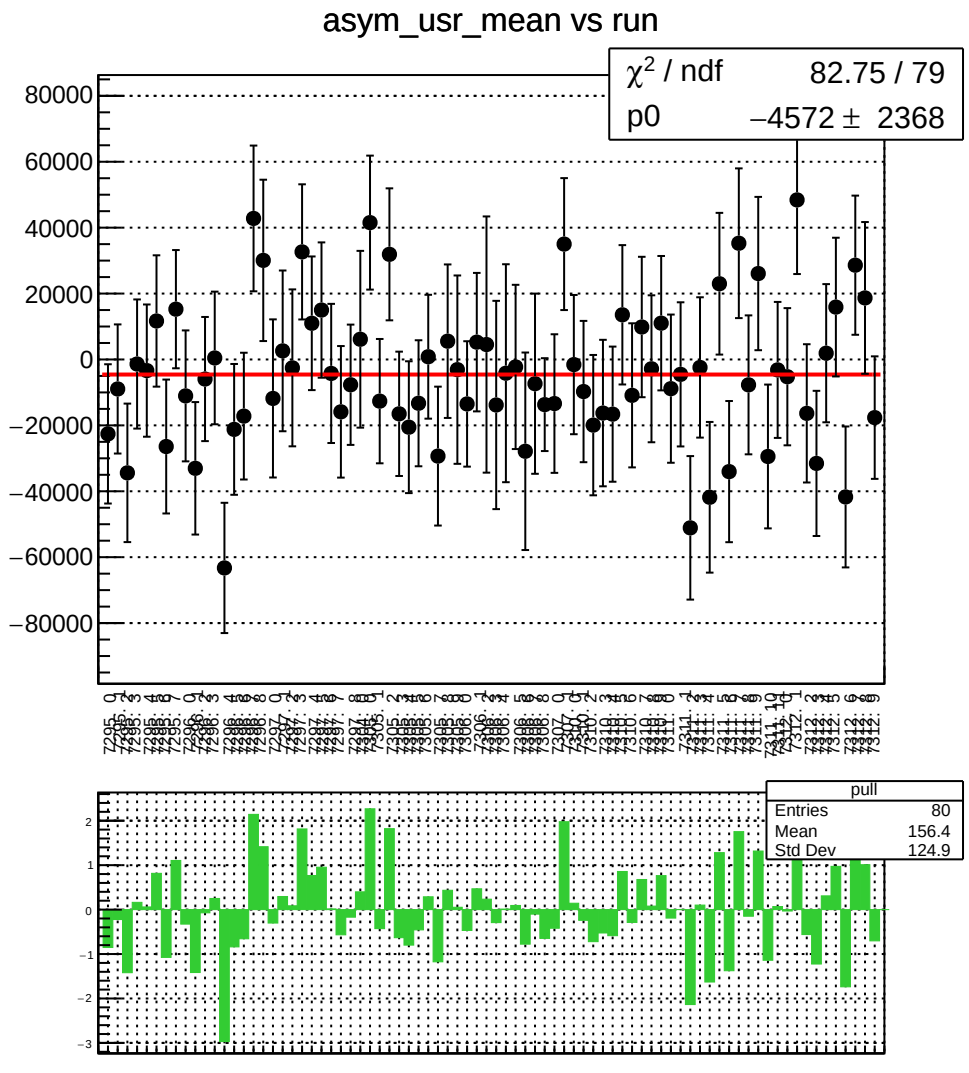

pull1D
Entries 80
Mean 0.001416
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

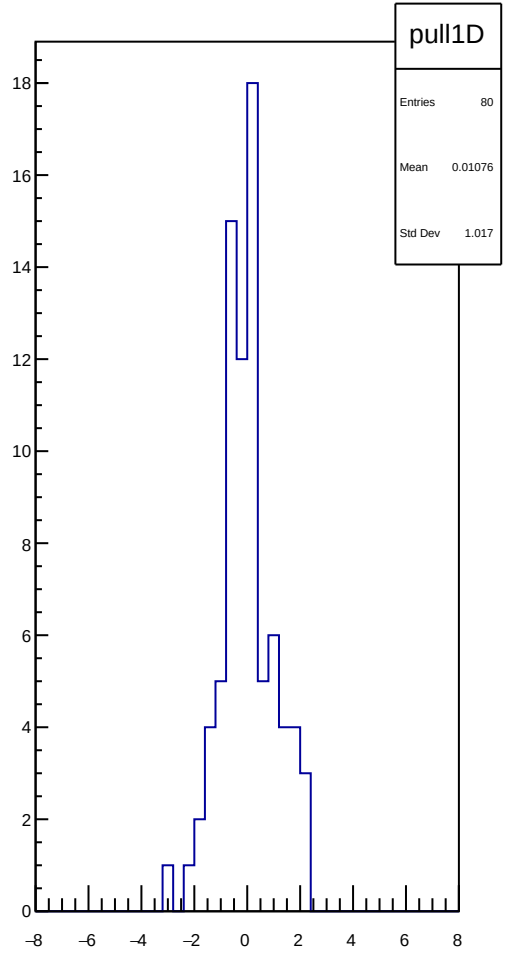

dit_asym_usr_rms vs run
χ² / ndf 451.6 / 79
p0 1125 ± 0.9284
1240
1220
1200
1180
1160
1140
1120
1100
1080

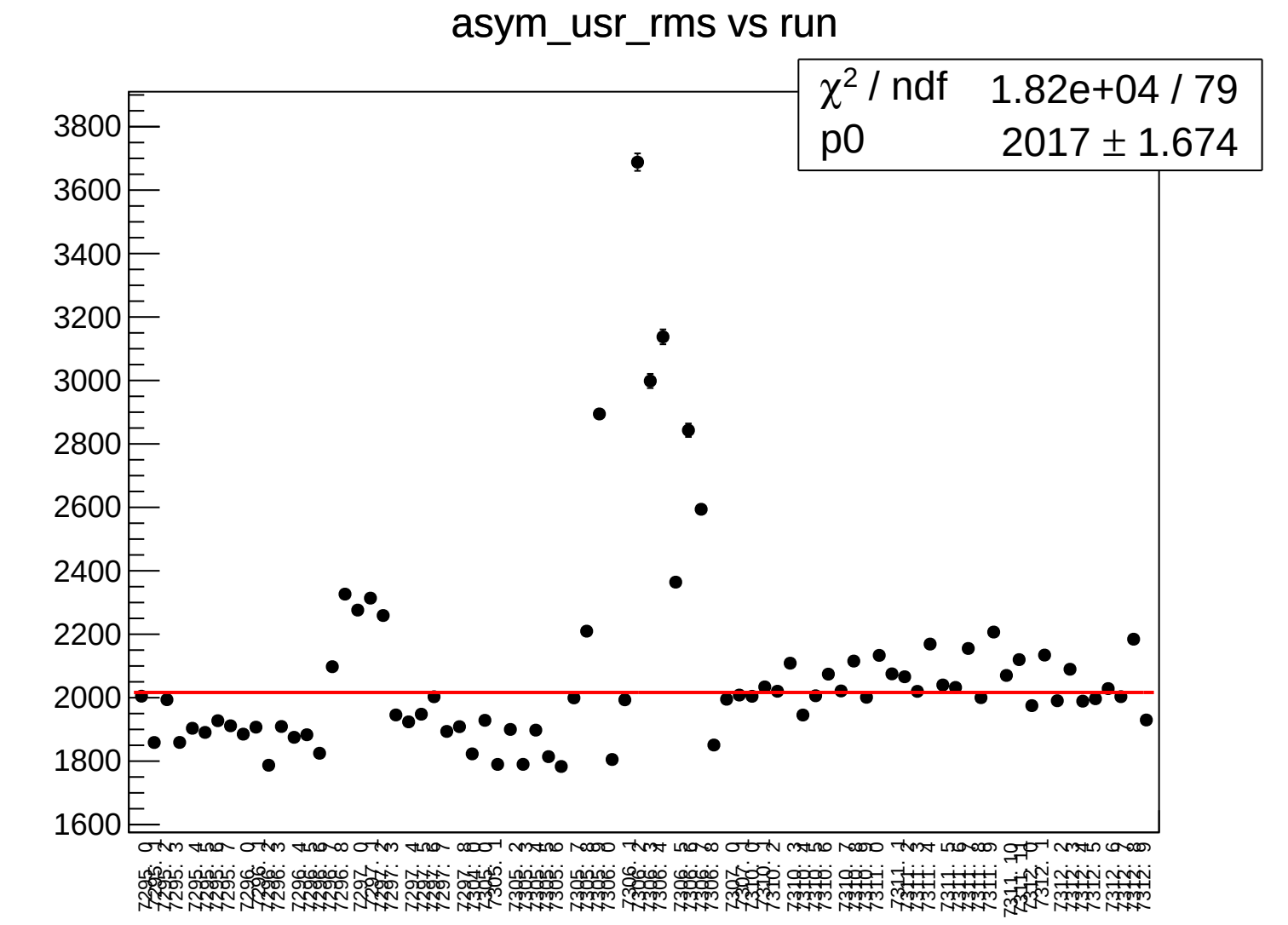

asym_usr_correction_mean vs run
χ² / ndf 64.9 / 79
p0 506.3 ± 2011
pull
Entries 80
Mean 68.56
Std Dev 72.42

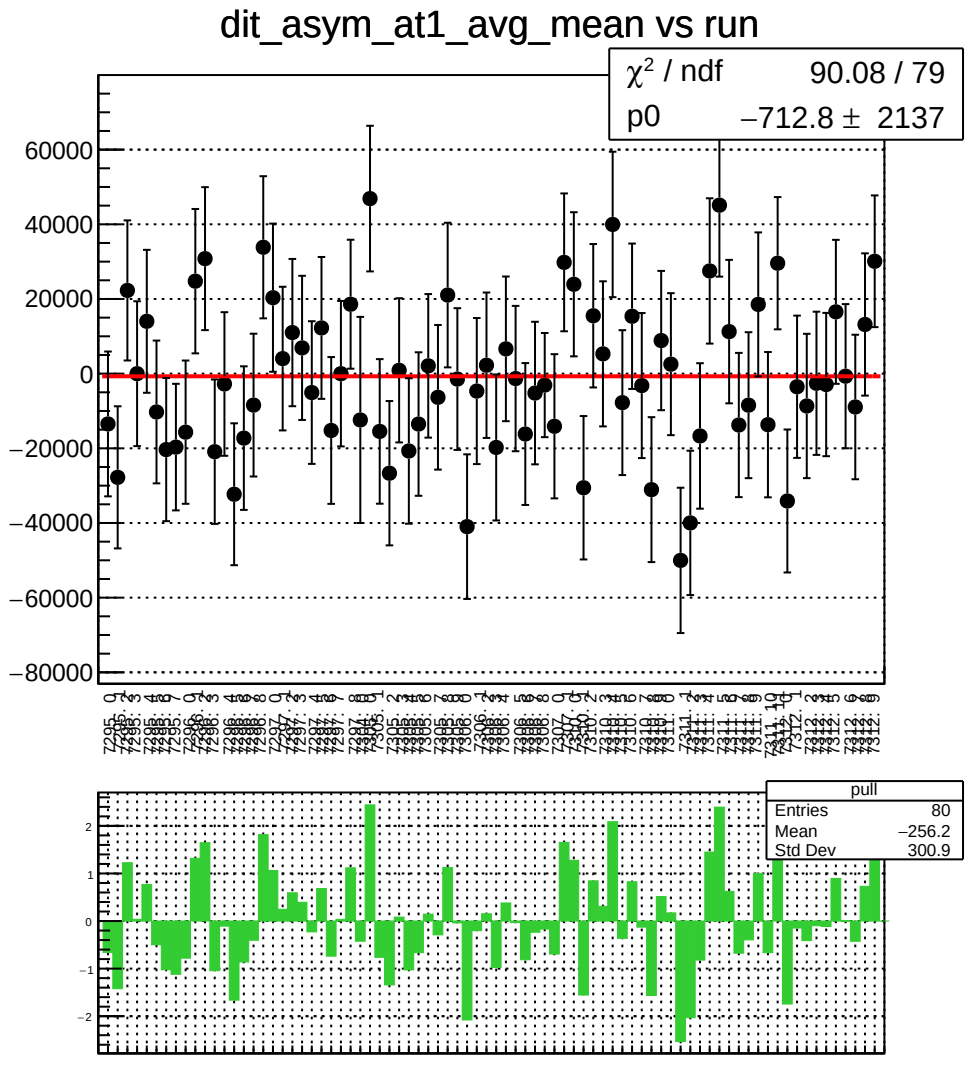

pull1D
Entries 80
Mean −0.01043
Std Dev 0.9006

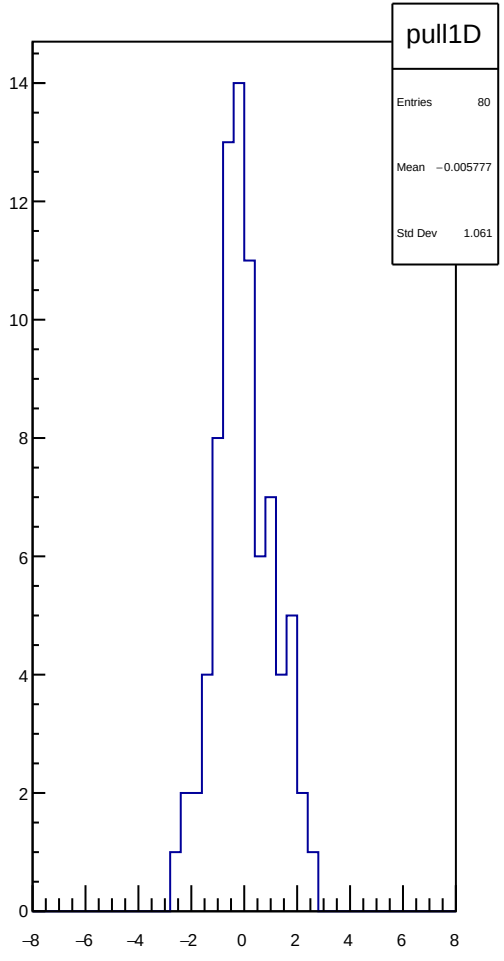

asym_usr_correction_rms vs run
χ² / ndf 2.74e+04 / 79
p0 1707 ± 1.422
3500
3000
2500
2000
1500

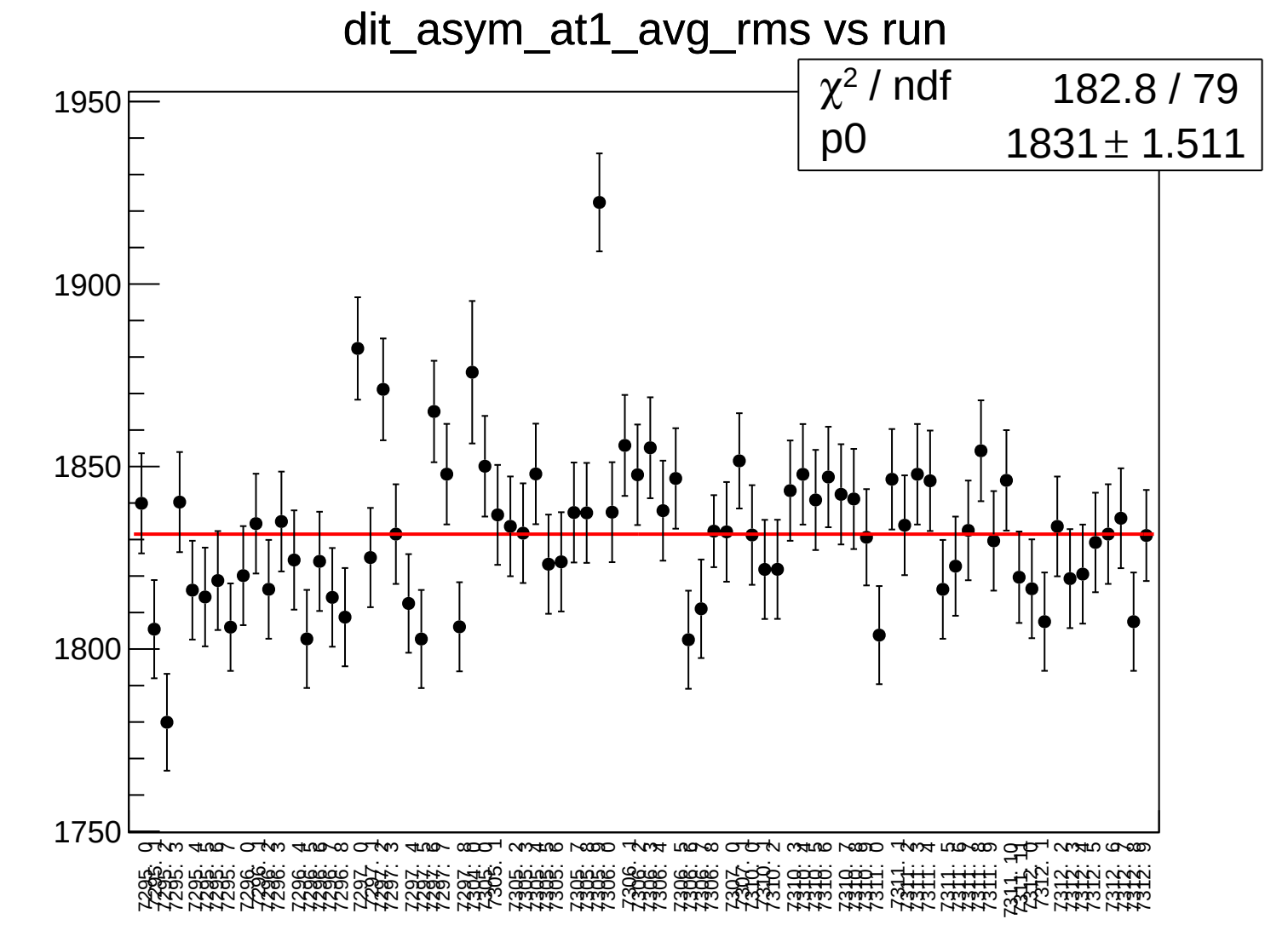

asym_usr_mean vs run
χ² / ndf 82.75 / 79
p0 −4572 ± 2368
pull
Entries 80
Mean 156.4
Std Dev 124.9

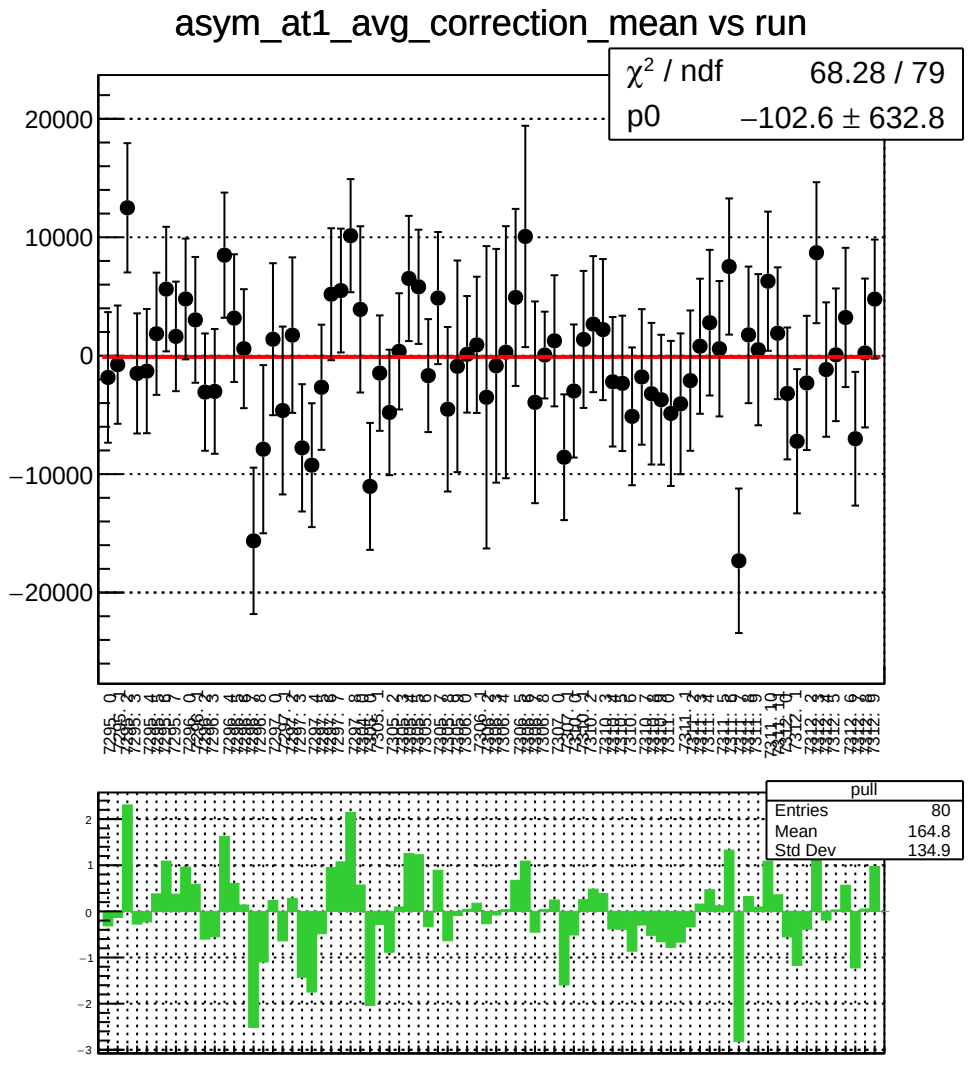

pull1D
Entries 80
Mean 0.01076
Std Dev 1.017

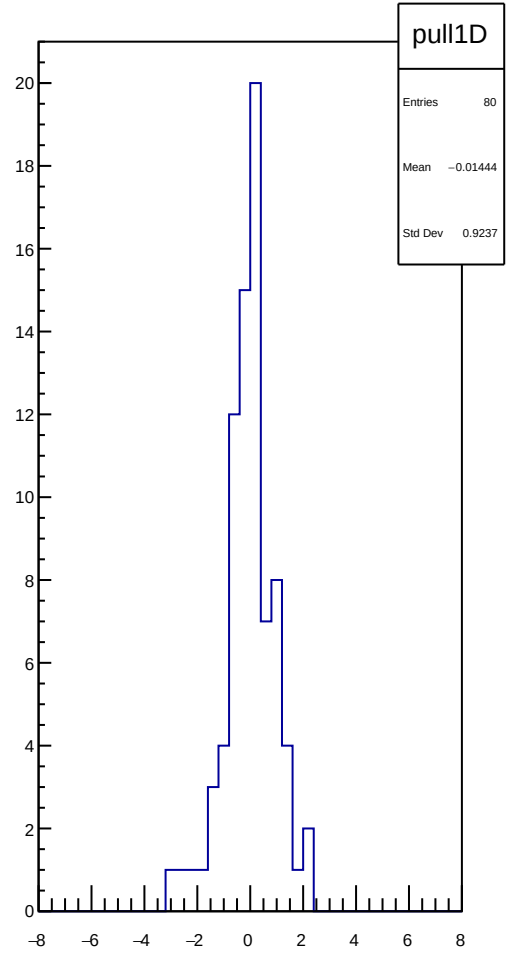

asym_usr_rms vs run
χ^2 / ndf 1.82e+04 / 79
p0 2017 ± 1.674
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

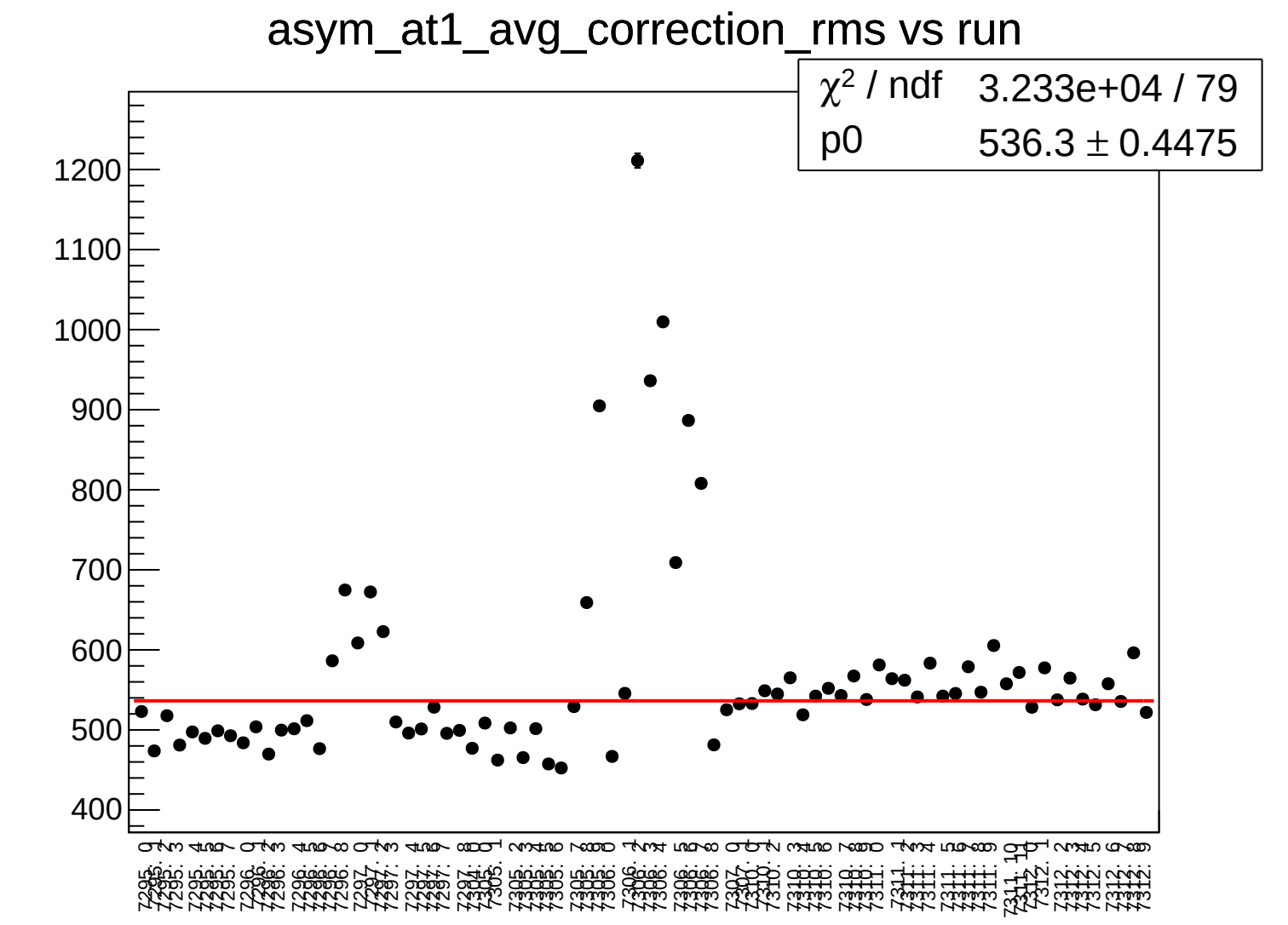

dit_asym_at1_avg_mean vs run
χ² / ndf 90.08 / 79
p0 −712.8 ± 2137
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −256.2
Std Dev 300.9
2
1
0
−1
−2

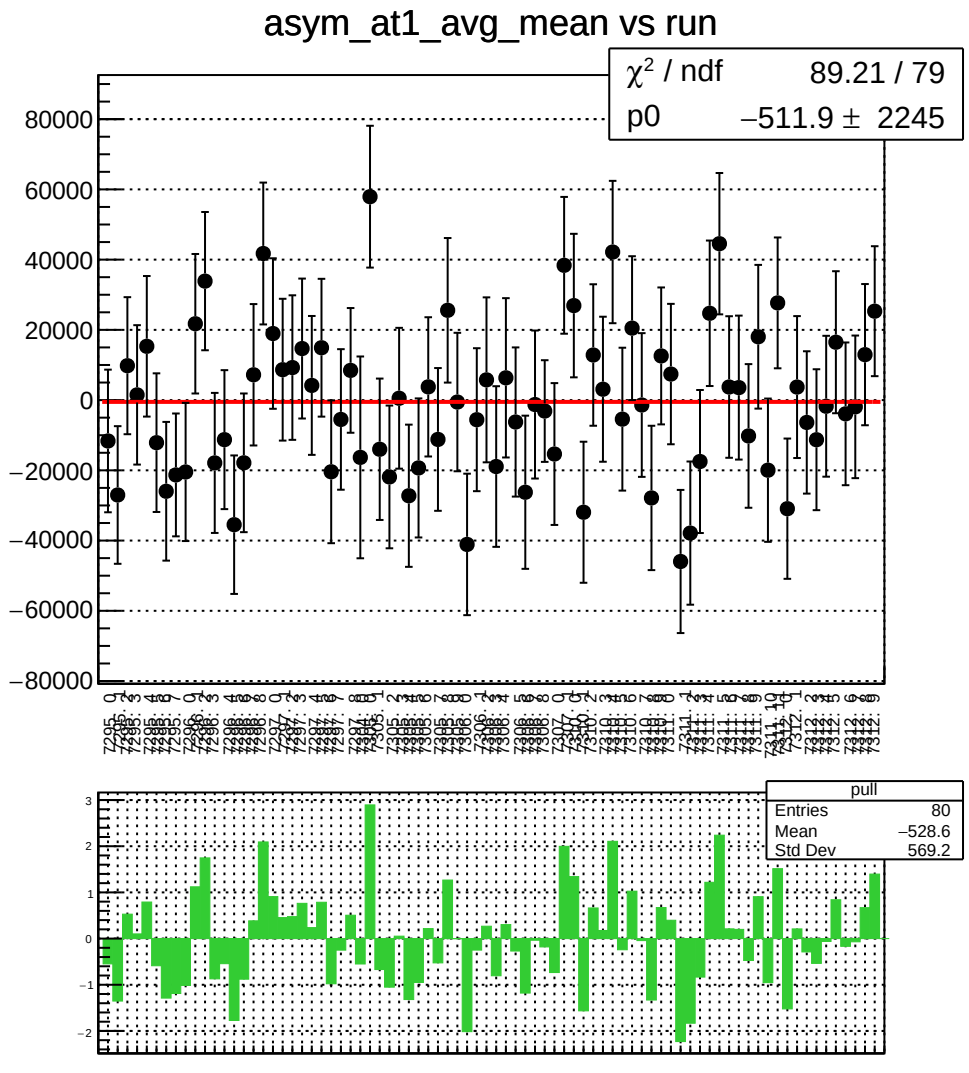

pull1D
Entries 80
Mean −0.005777
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

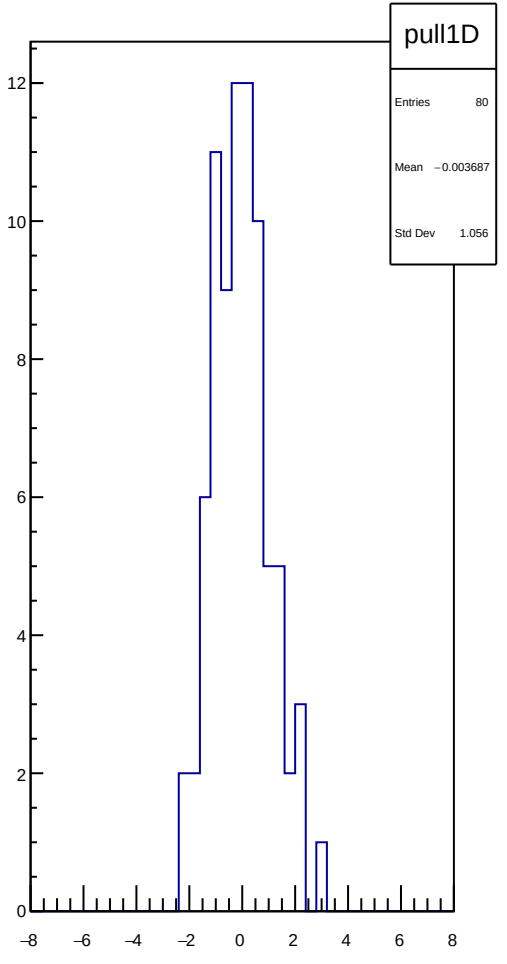

dit_asym_at1_avg_rms vs run
χ² / ndf 182.8 / 79
p0 1831 ± 1.511
1950
1900
1850
1800
1750

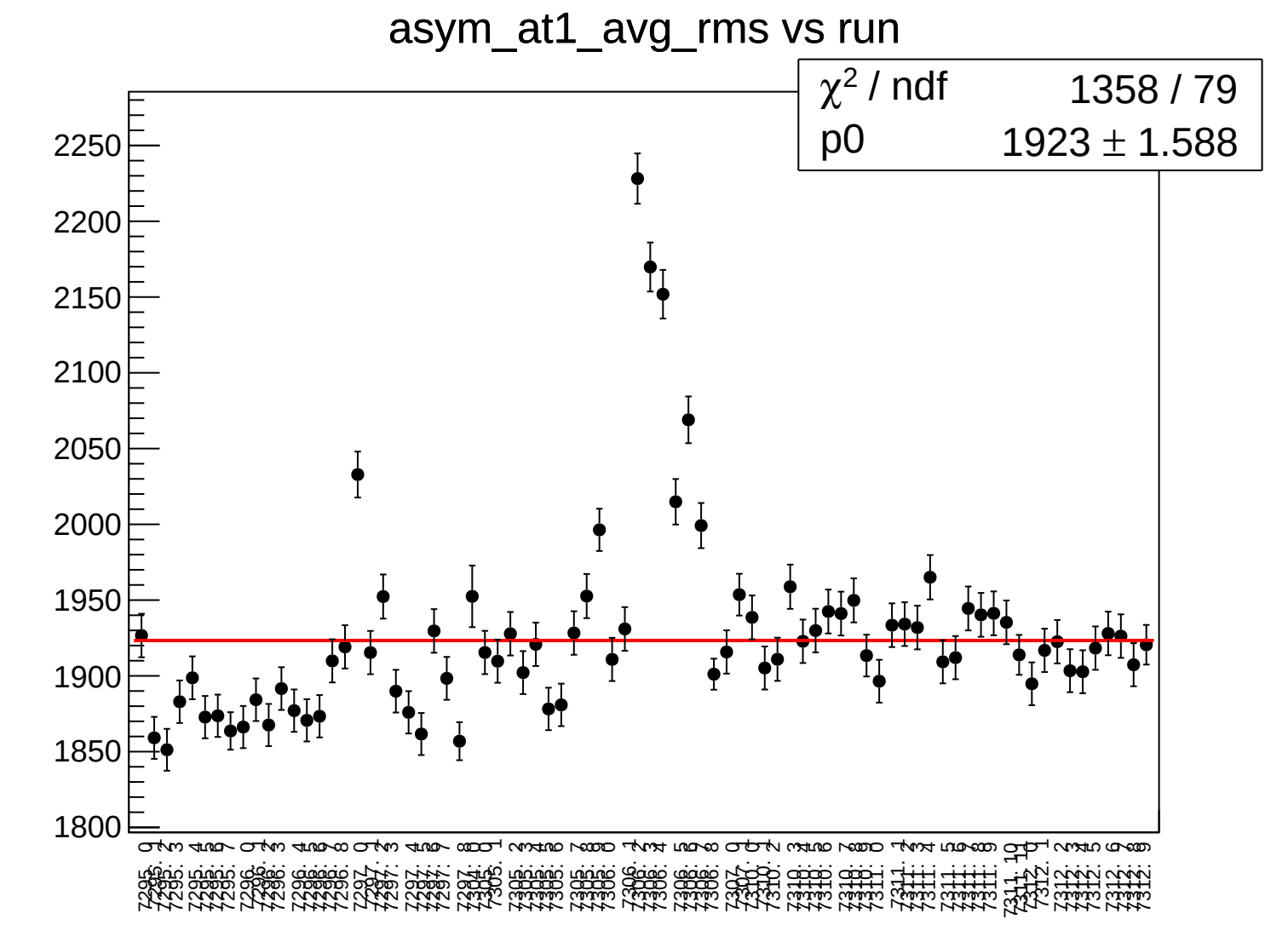

asym_at1_avg_correction_mean vs run
χ² / ndf 68.28 / 79
p0 −102.6 ± 632.8
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 164.8
Std Dev 134.9
2
1
0
−1
−2
−3

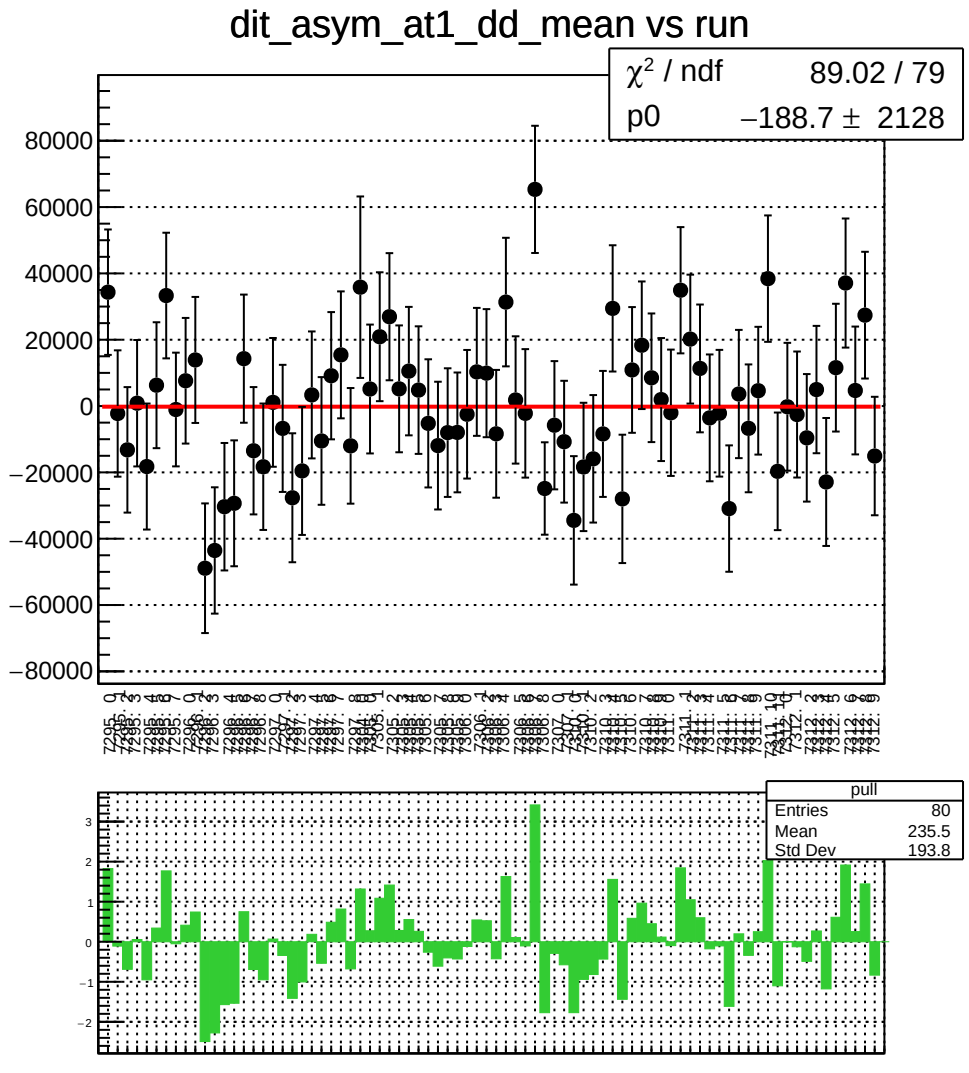

pull1D
Entries 80
Mean −0.01444
Std Dev 0.9237
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

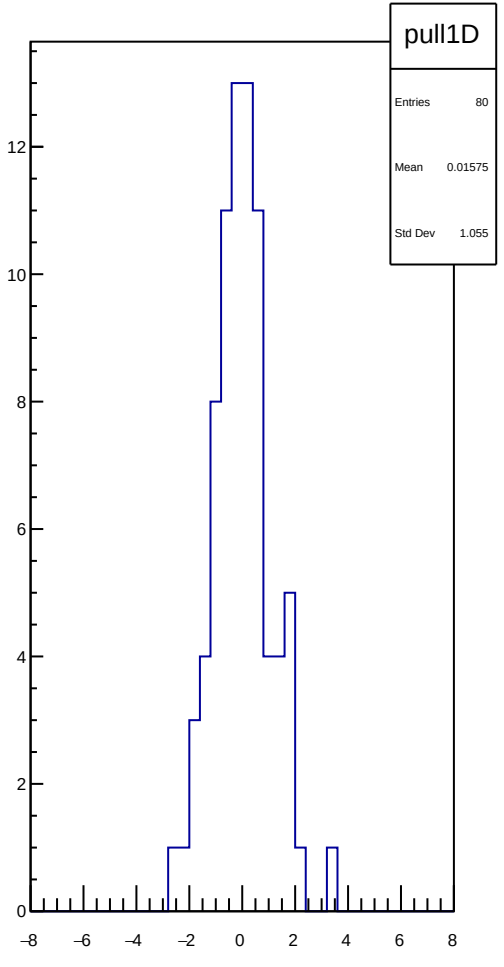

asym_at1_avg_correction_rms vs run
χ² / ndf 3.233e+04 / 79
p0 536.3 ± 0.4475
1200
1100
1000
900
800
700
600
500
400

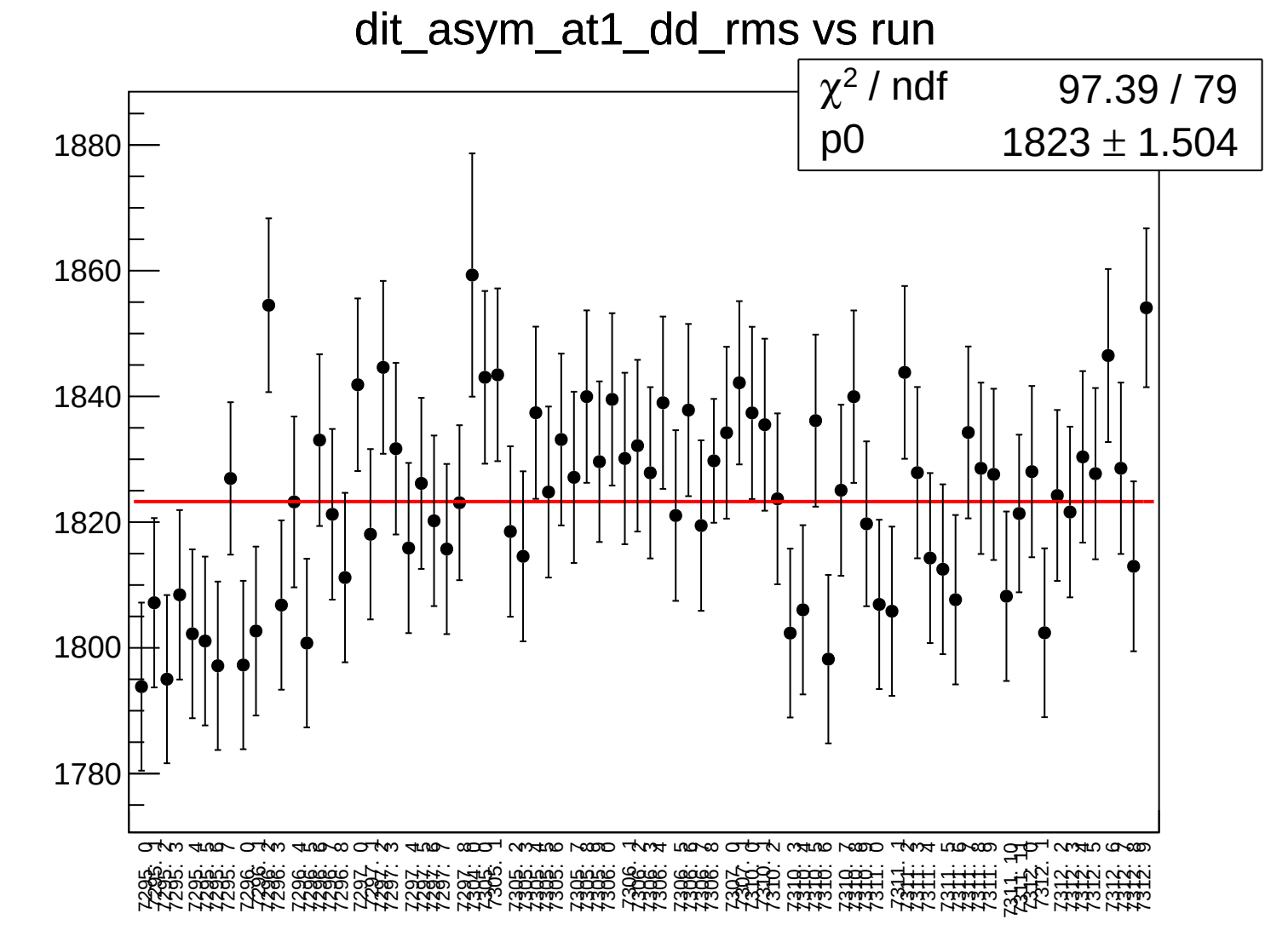

asym_at1_avg_mean vs run
χ² / ndf 89.21 / 79
p0 −511.9 ± 2245
pull
Entries 80
Mean −528.6
Std Dev 569.2

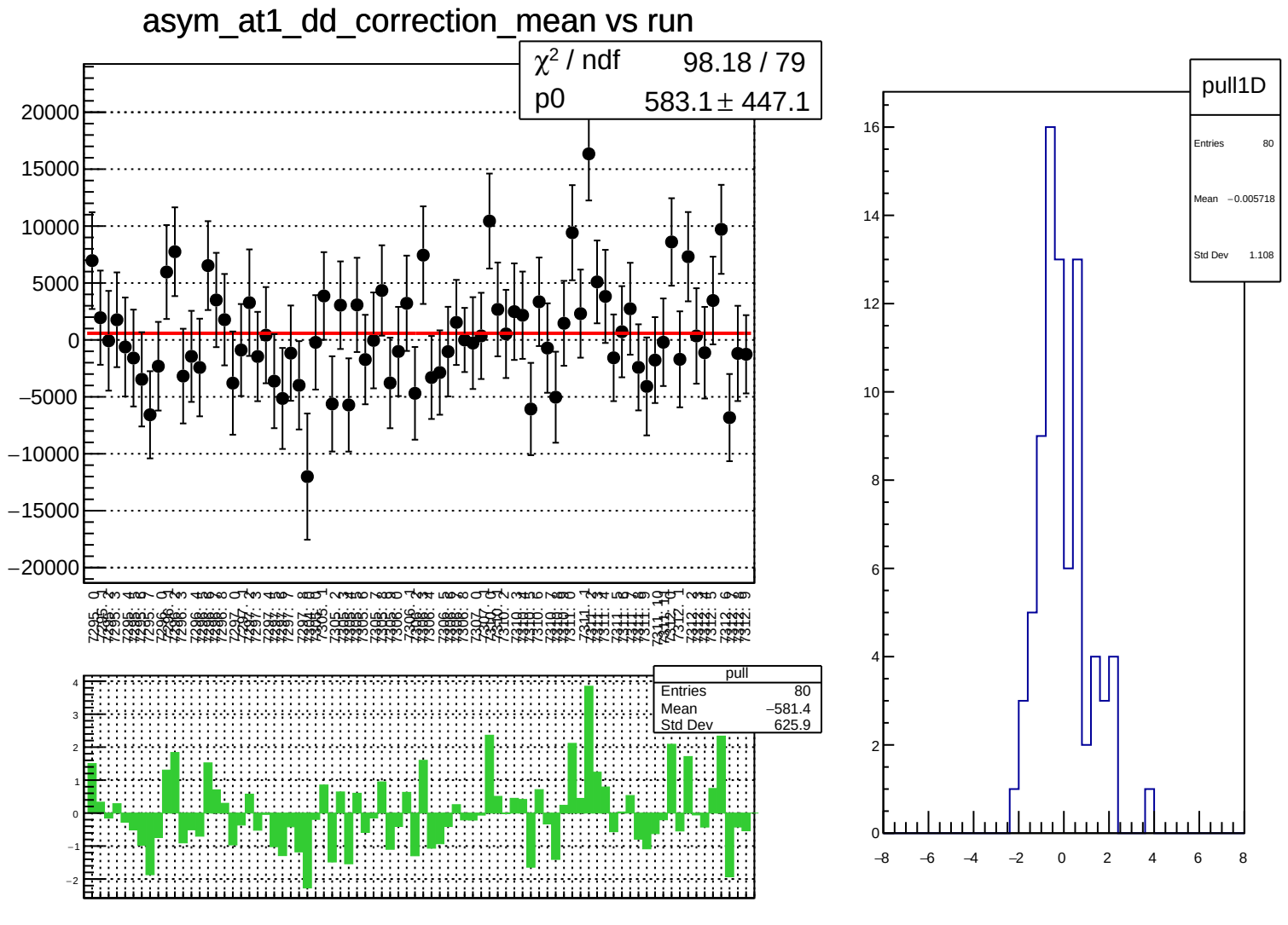

pull1D
Entries 80
Mean −0.003687
Std Dev 1.056

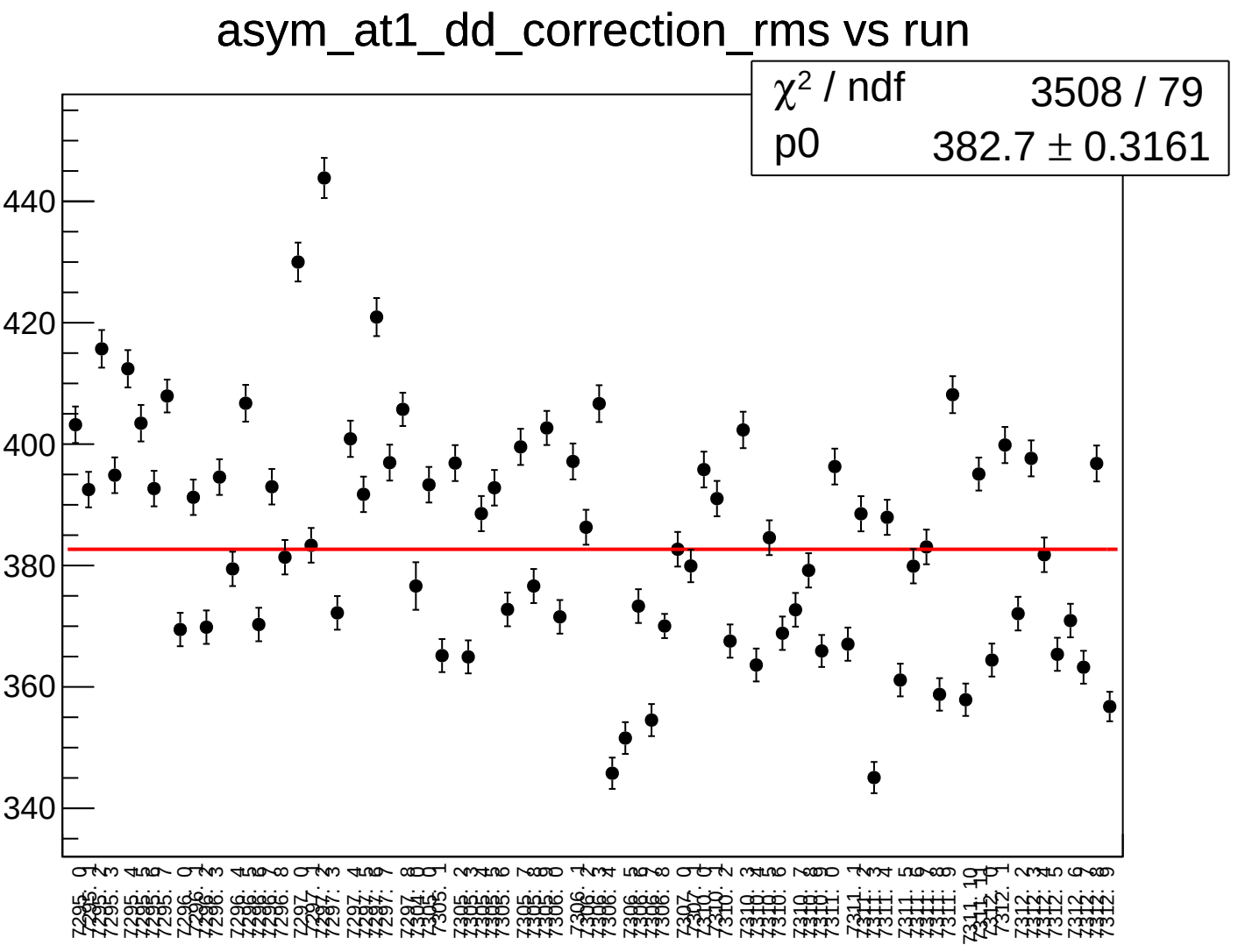

asym_at1_avg_rms vs run
χ^2 / ndf 1358 / 79
p0 1923 ± 1.588
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

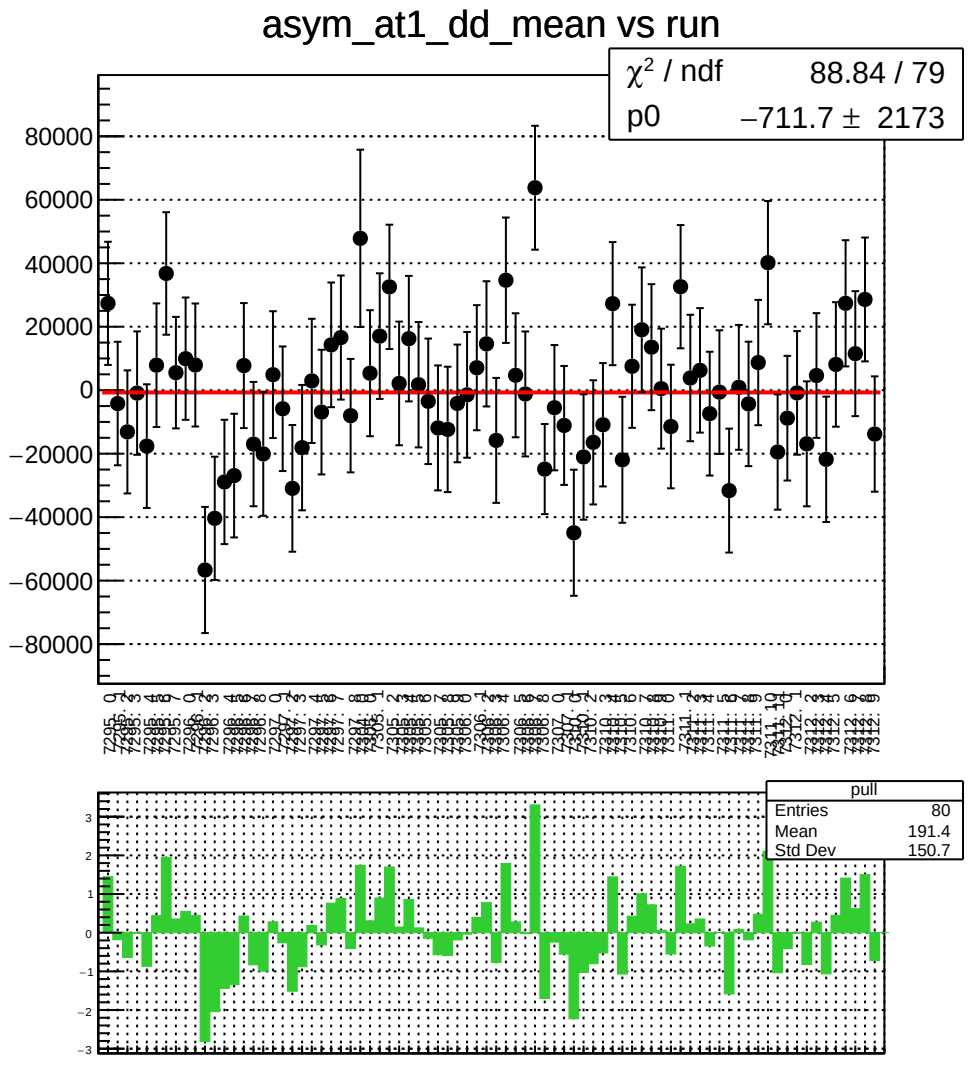

dit_asym_at1_dd_mean vs run
χ² / ndf 89.02 / 79
p0 −188.7 ± 2128
pull
Entries 80
Mean 235.5
Std Dev 193.8

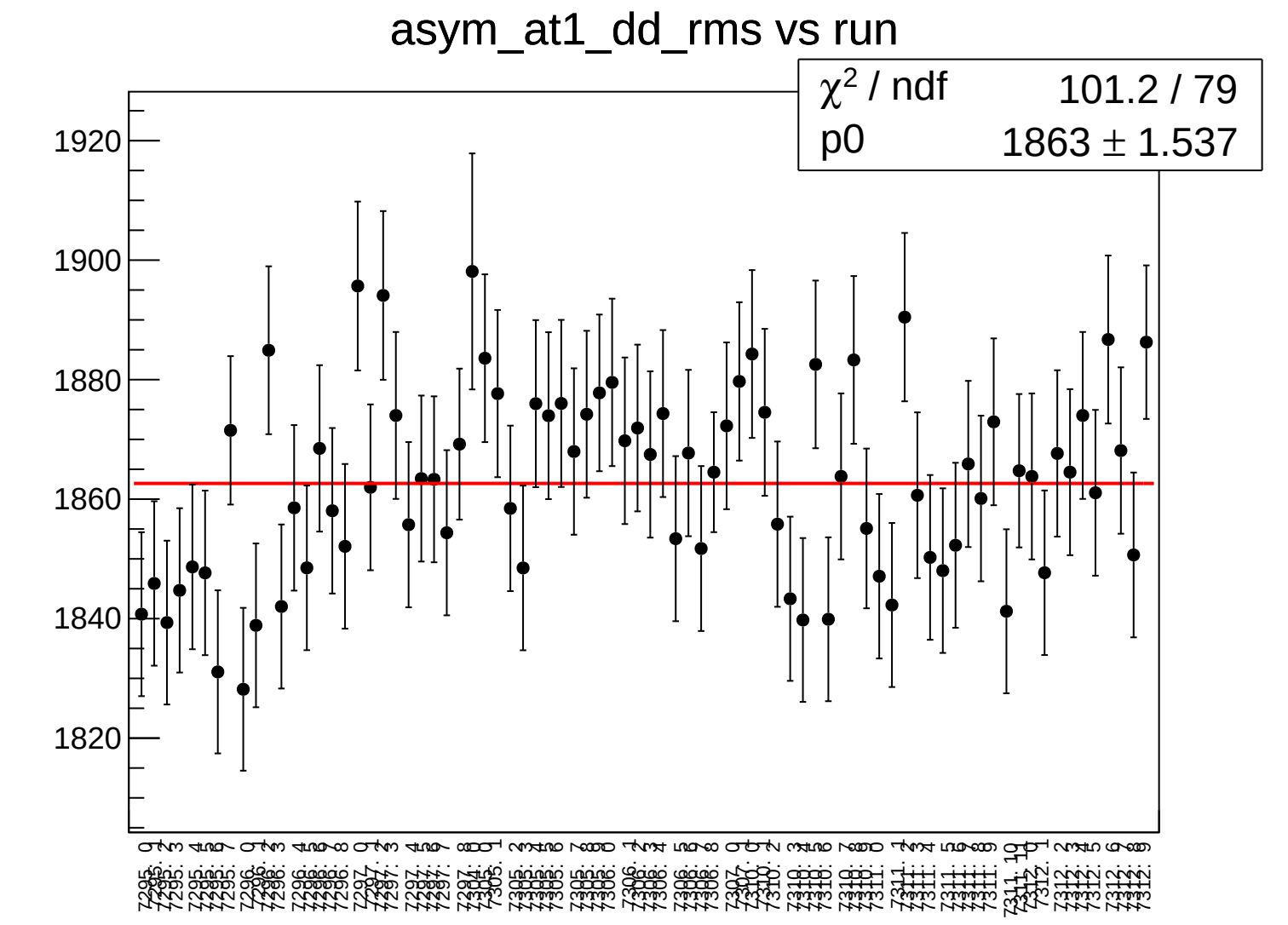

pull1D
Entries 80
Mean 0.01575
Std Dev 1.055

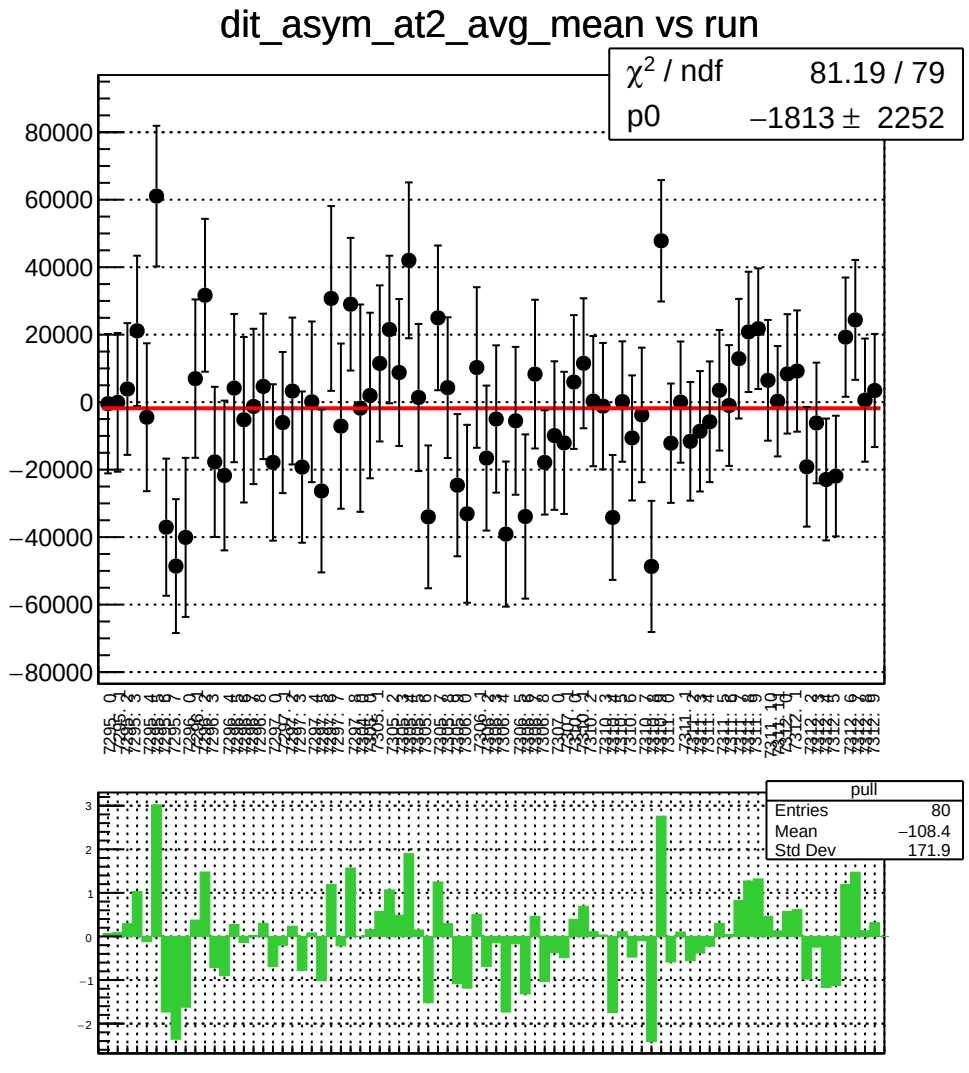

dit_asym_at1_dd_rms vs run
χ^2 / ndf 97.39 / 79
p0 1823 ± 1.504
1880
1860
1840
1820
1800
1780

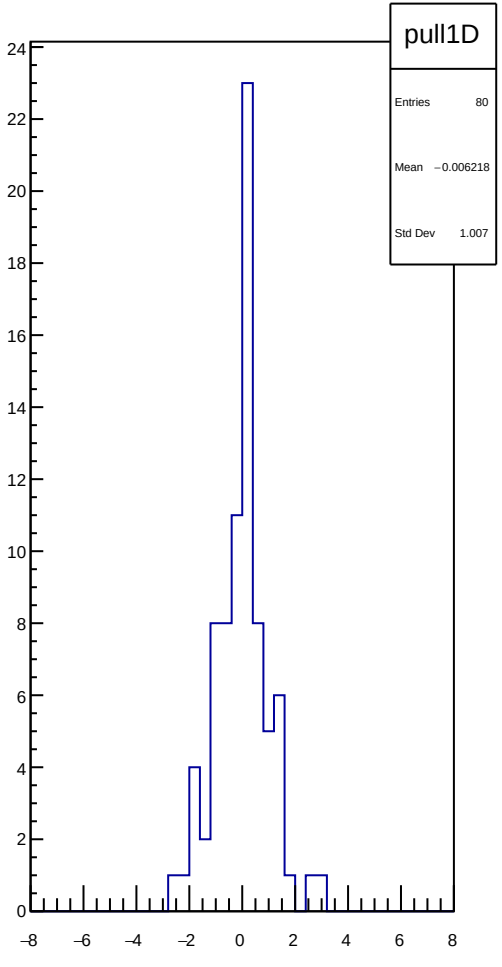

asym_at1_dd_correction_mean vs run
χ² / ndf 98.18 / 79
p0 583.1 ± 447.1
pull
Entries 80
Mean −581.4
Std Dev 625.9
pull1D
Entries 80
Mean −0.005718
Std Dev 1.108

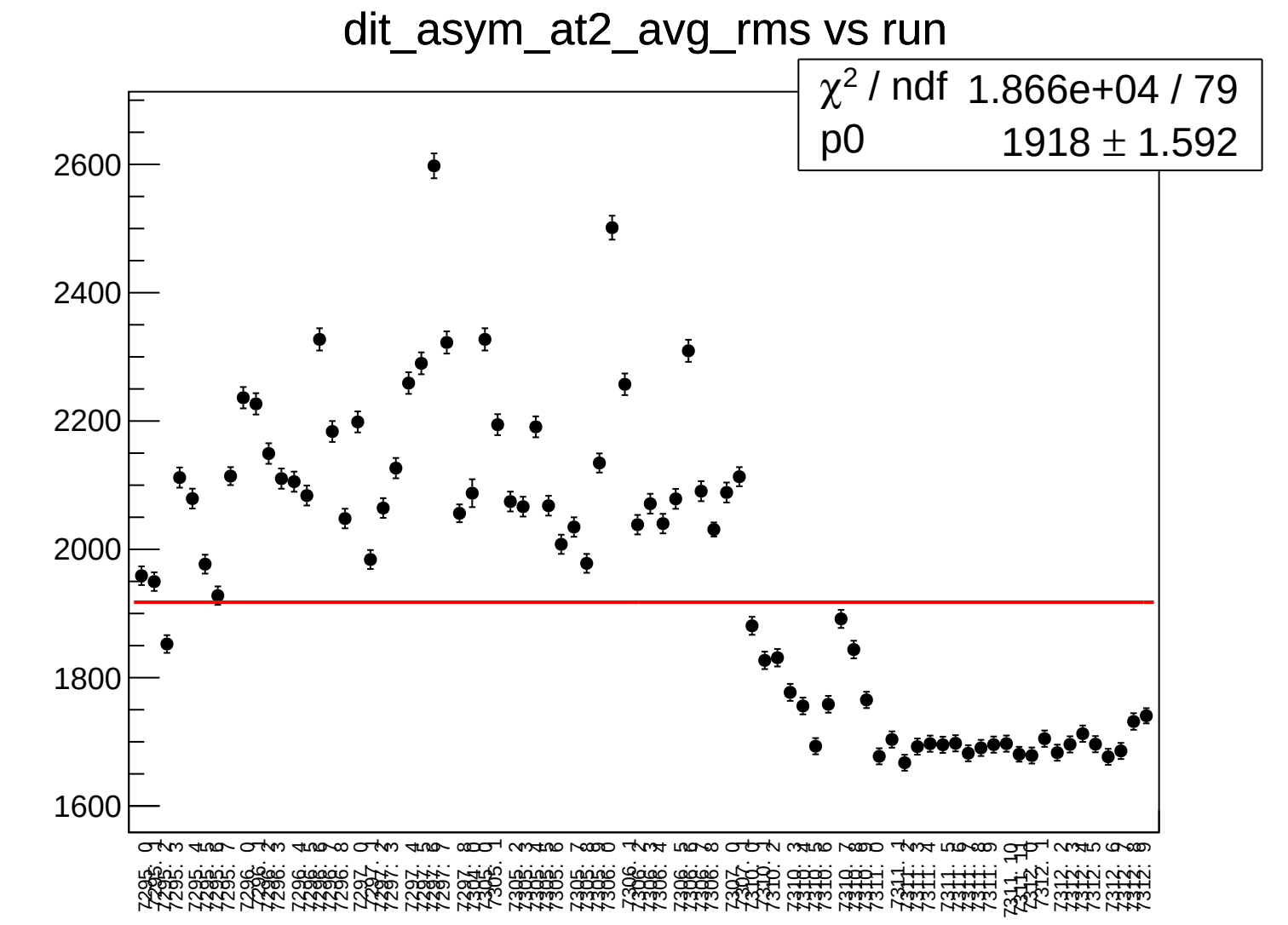

asym_at1_dd_correction_rms vs run
χ² / ndf 3508 / 79
p0 382.7 ± 0.3161
440
420
400
380
360
340

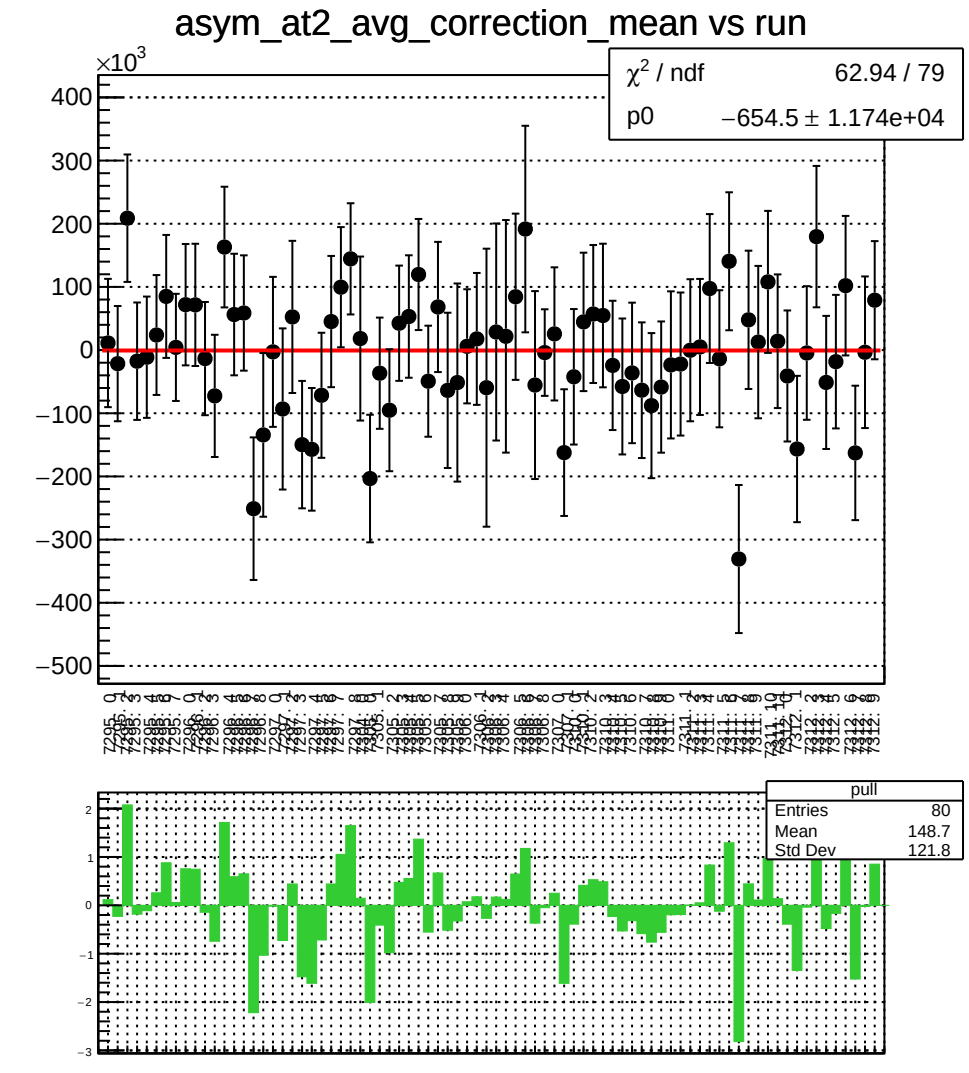

asym_at1_dd_mean vs run
χ² / ndf 88.84 / 79
p0 −711.7 ± 2173
pull
Entries 80
Mean 191.4
Std Dev 150.7
pull1D
Entries 80
Mean 0.01502
Std Dev 1.054

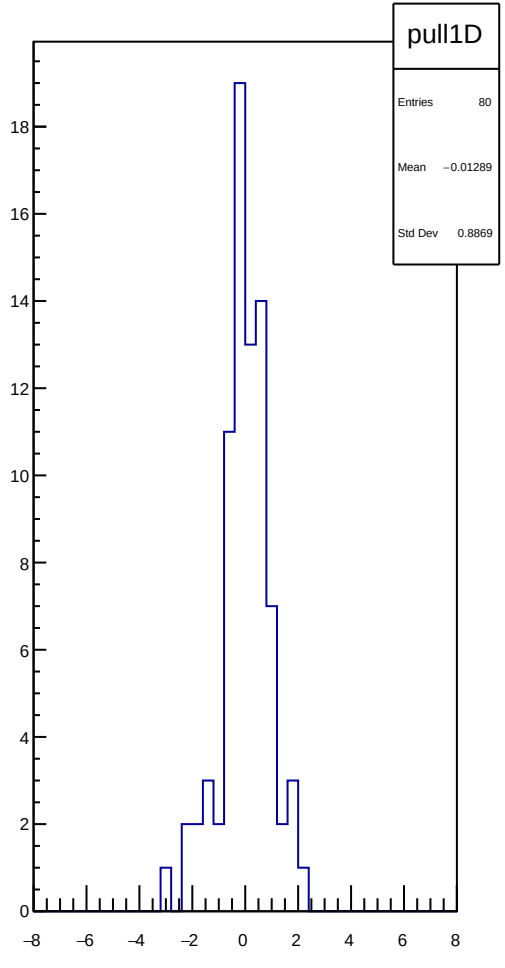

asym_at1_dd_rms vs run
χ^2 / ndf 101.2 / 79
p0 1863 ± 1.537
1920
1900
1880
1860
1840
1820

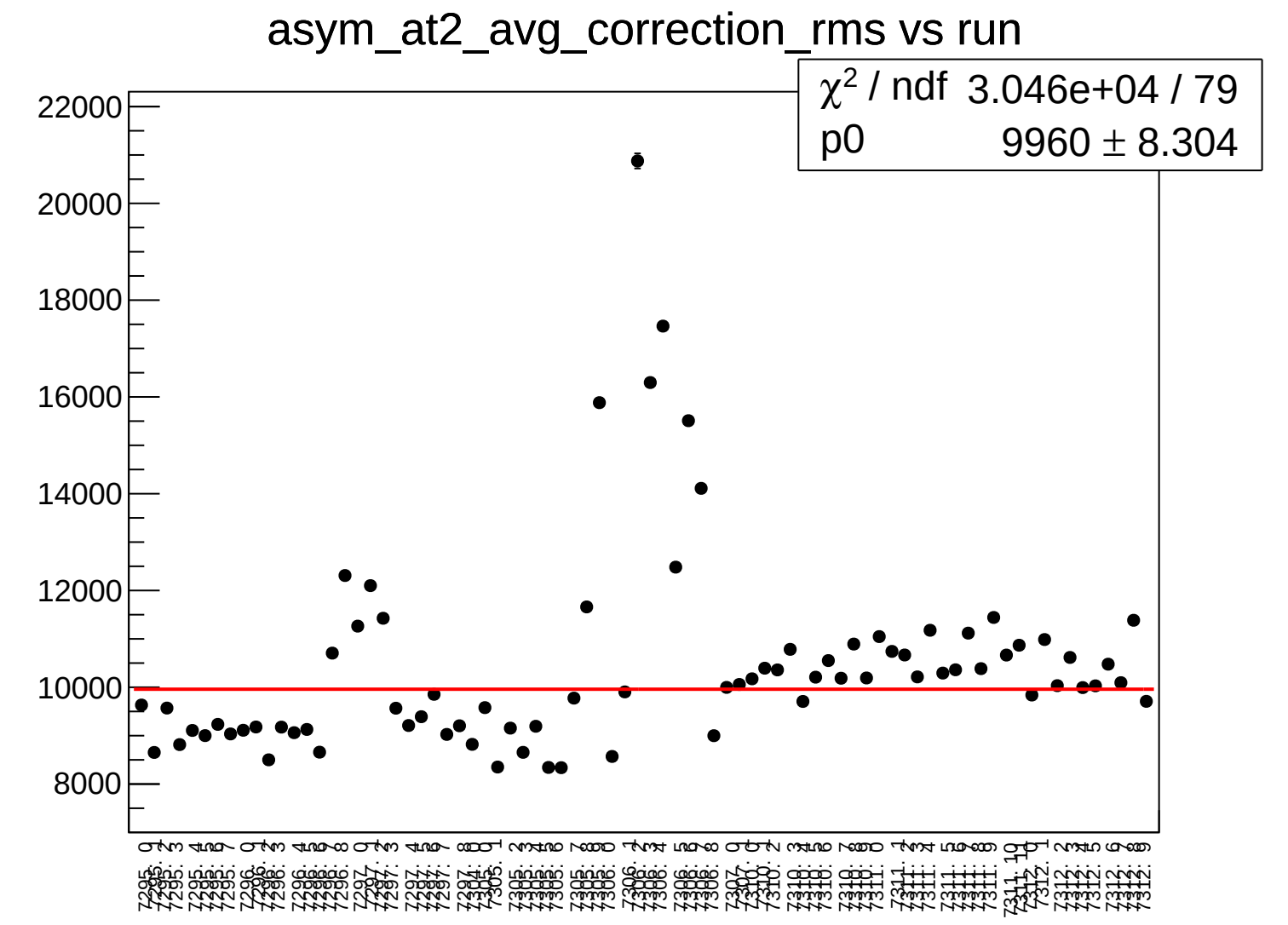

dit_asym_at2_avg_mean vs run
χ² / ndf 81.19 / 79
p0 −1813 ± 2252
pull
Entries 80
Mean −108.4
Std Dev 171.9

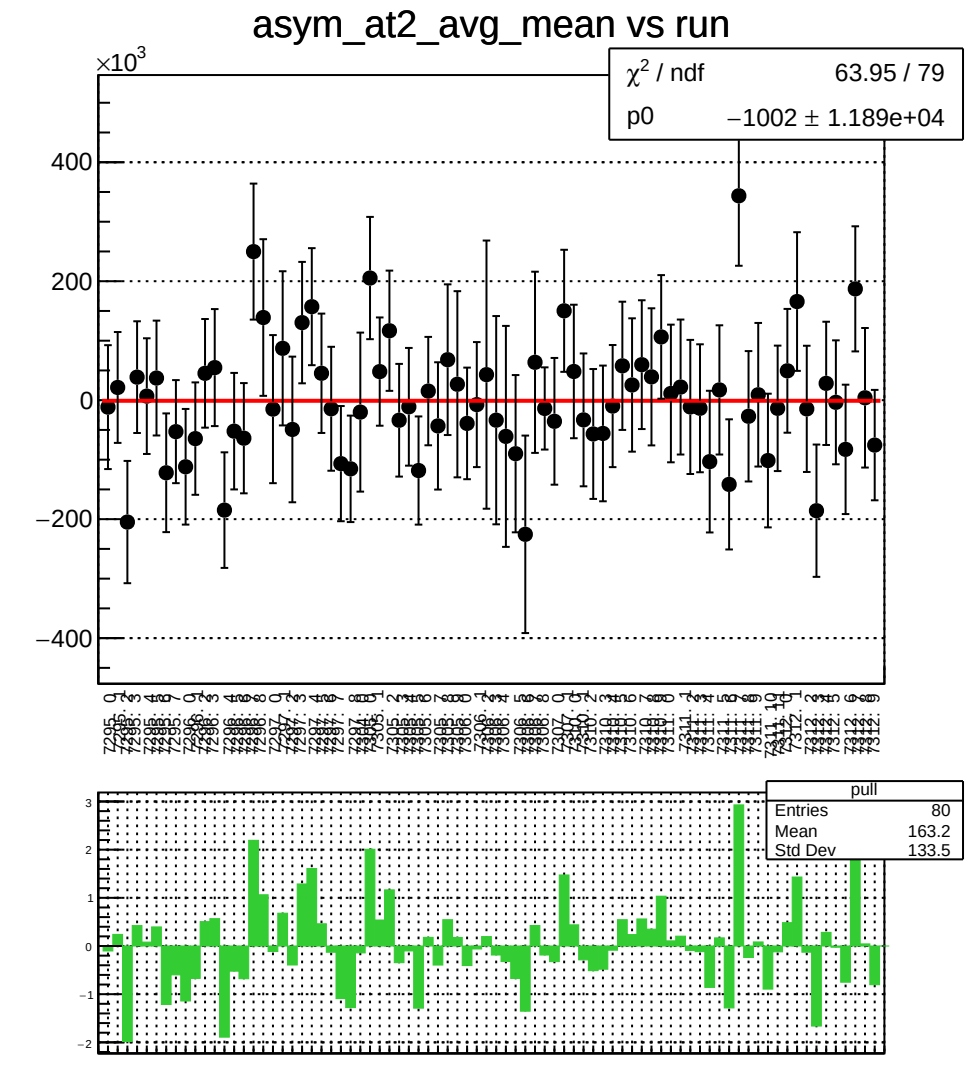

pull1D
Entries 80
Mean −0.006218
Std Dev 1.007

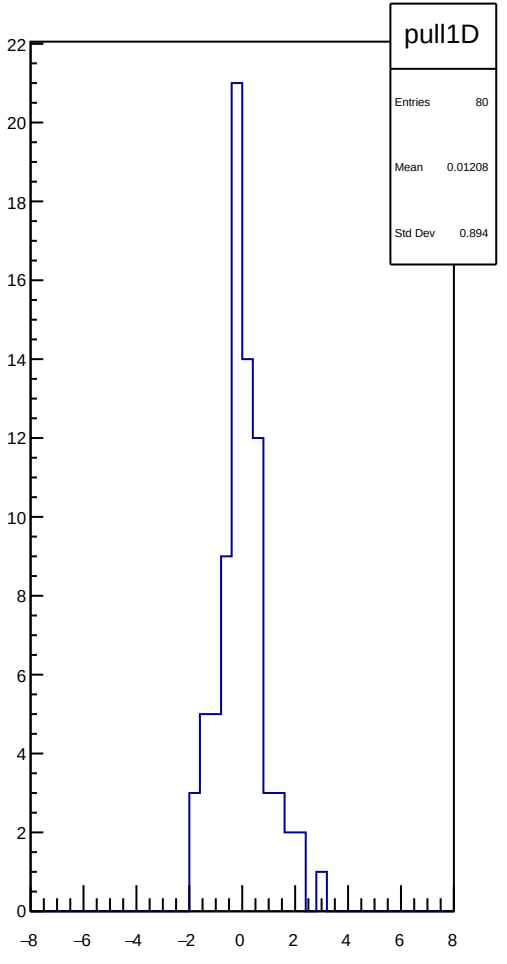

dit_asym_at2_avg_rms vs run
χ² / ndf 1.866e+04 / 79
p0 1918 ± 1.592
2600
2400
2200
2000
1800
1600

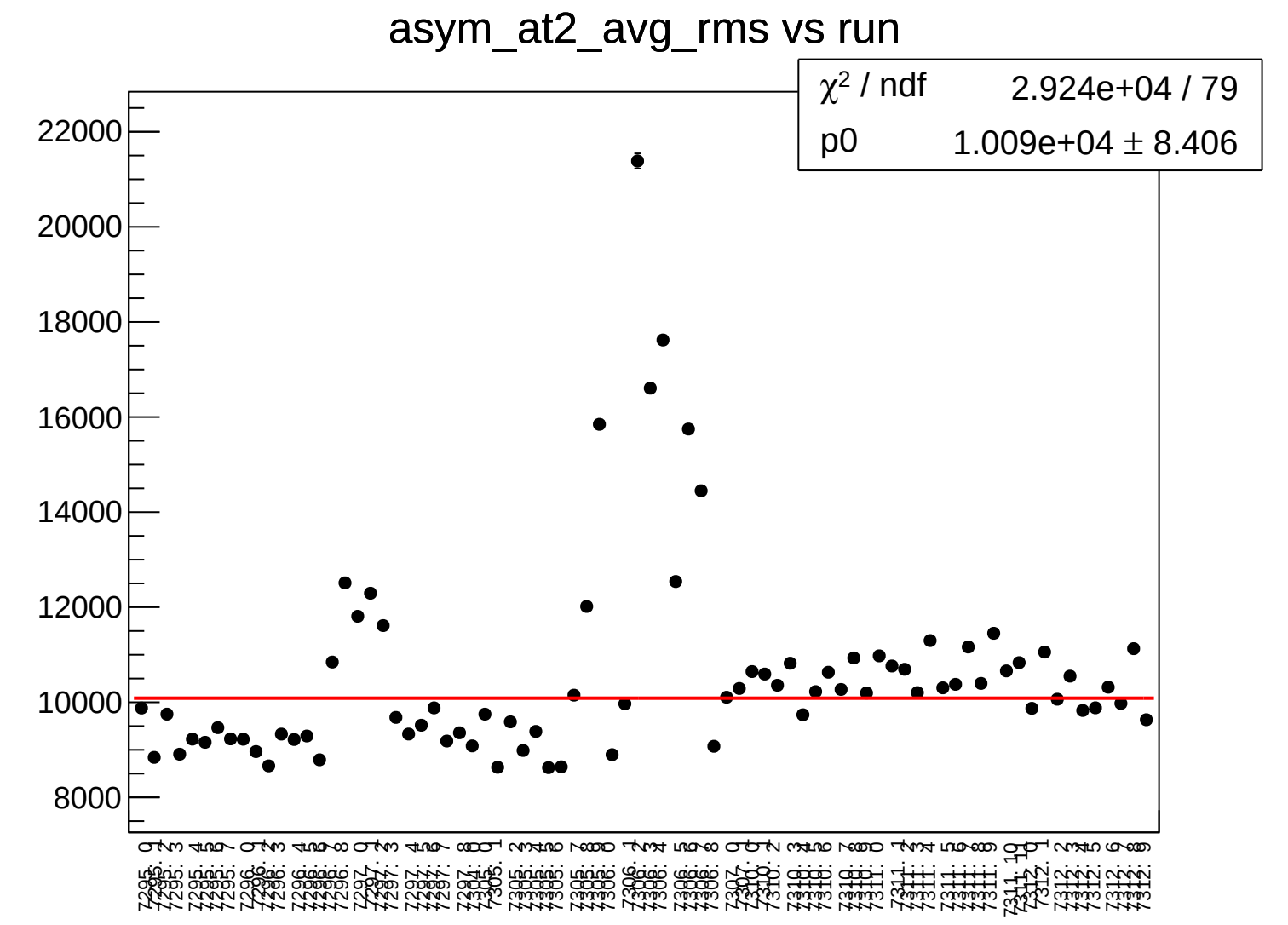

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 62.94 / 79
p0 −654.5 ± 1.174e+04
pull
Entries 80
Mean 148.7
Std Dev 121.8

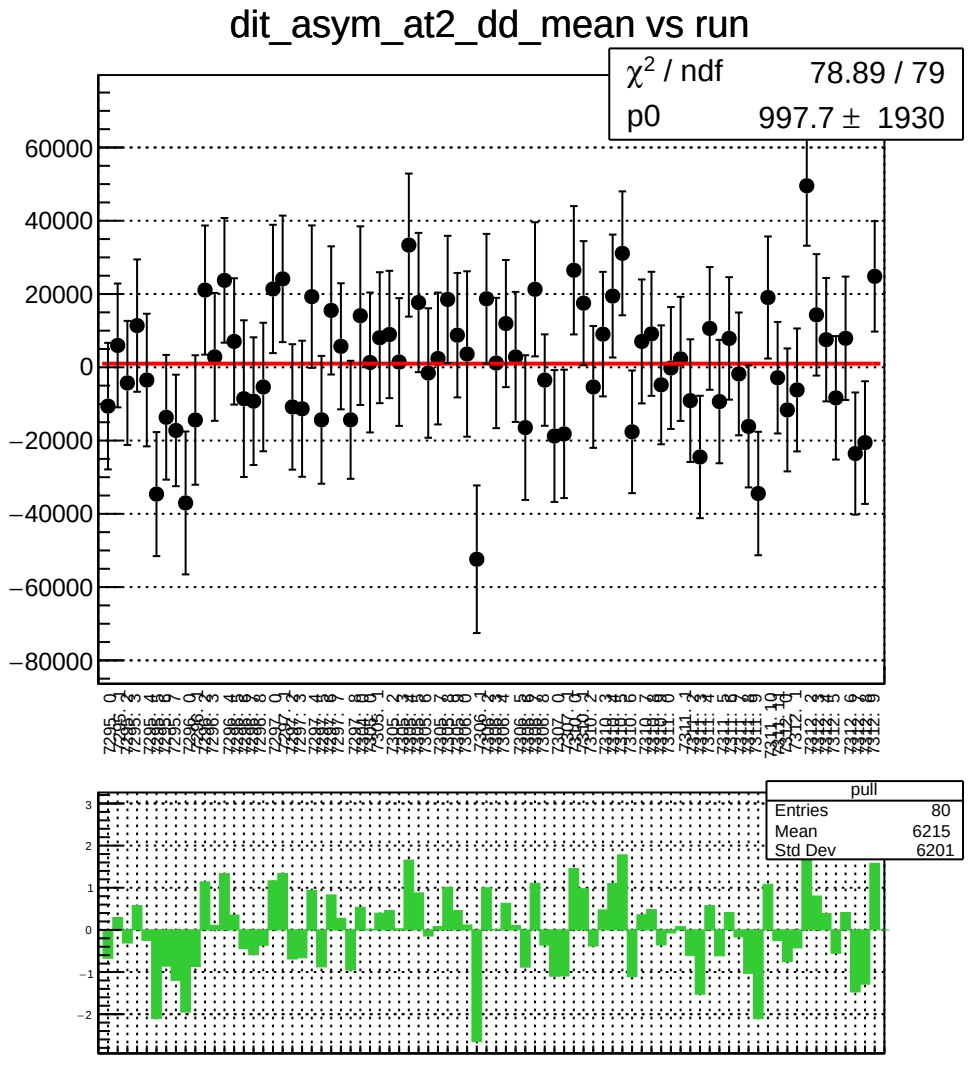

pull1D
Entries 80
Mean −0.01289
Std Dev 0.8869

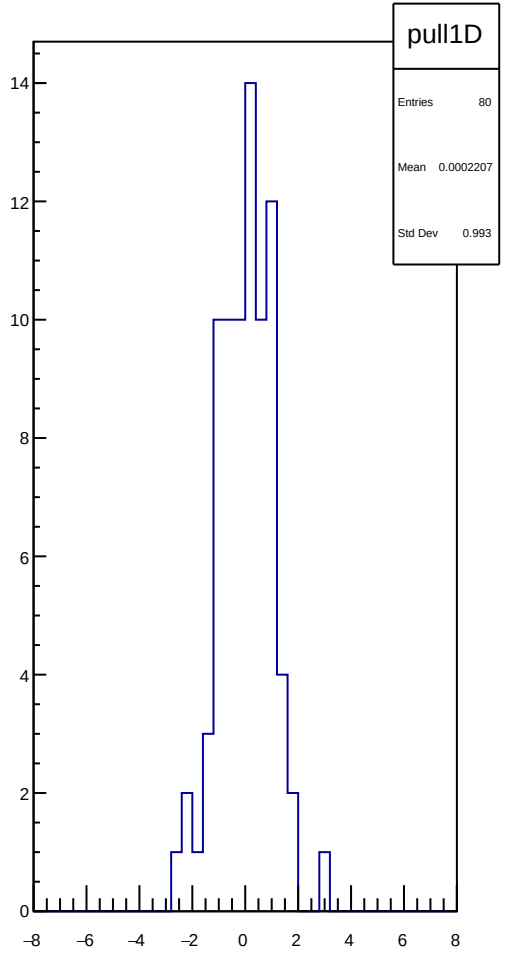

asym_at2_avg_correction_rms vs run
χ² / ndf 3.046e+04 / 79
p0 9960 ± 8.304
22000
20000
18000
16000
14000
12000
10000
8000

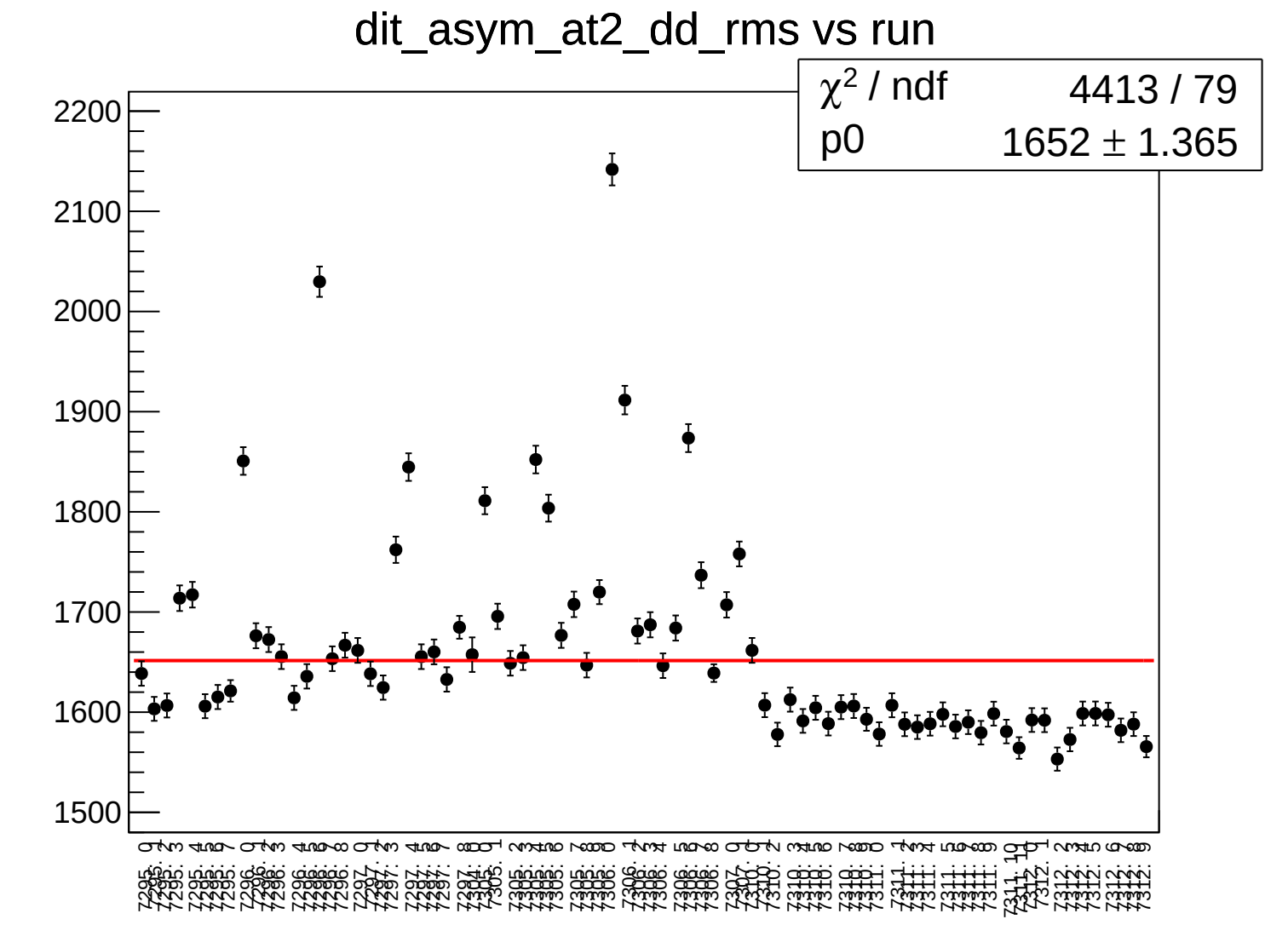

asym_at2_avg_mean vs run
×10^3
χ² / ndf 63.95 / 79
p0 −1002 ± 1.189e+04
400
200
0
−200
−400
pull
Entries 80
Mean 163.2
Std Dev 133.5
3
2
1
0
−1
−2

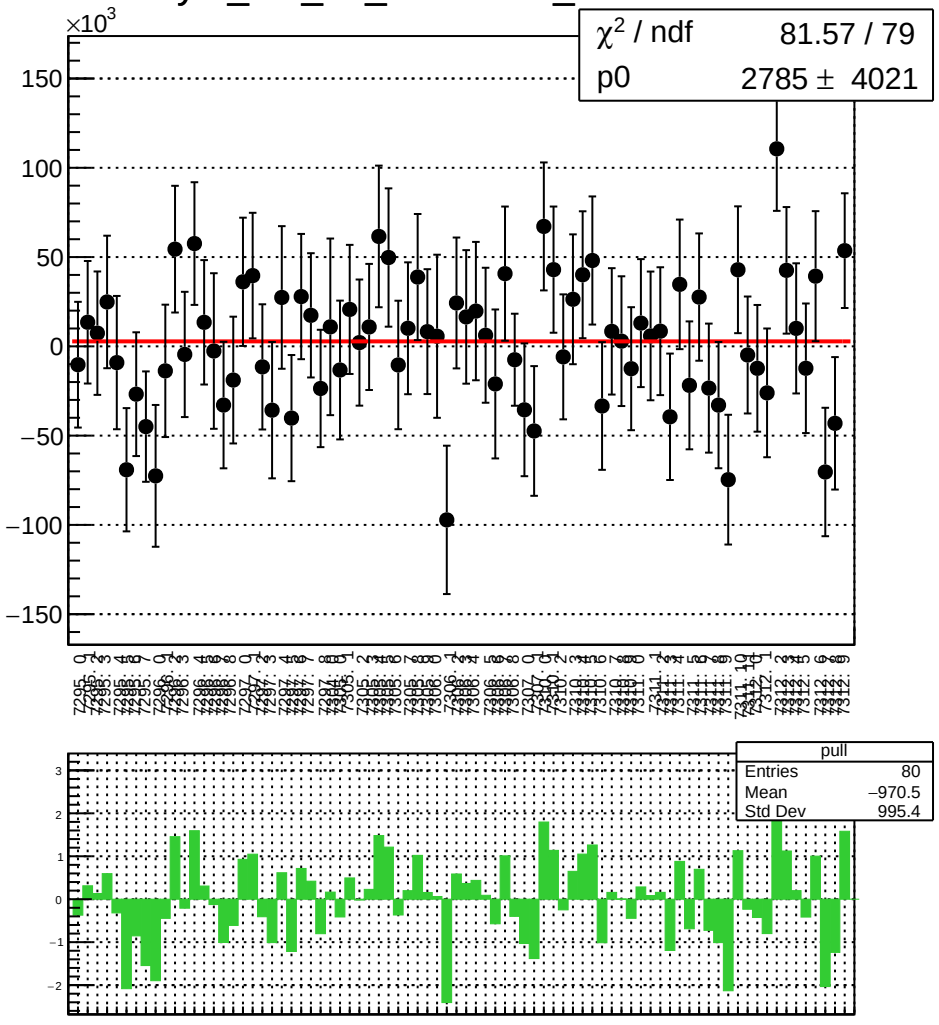

pull1D
Entries 80
Mean 0.01208
Std Dev 0.894
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

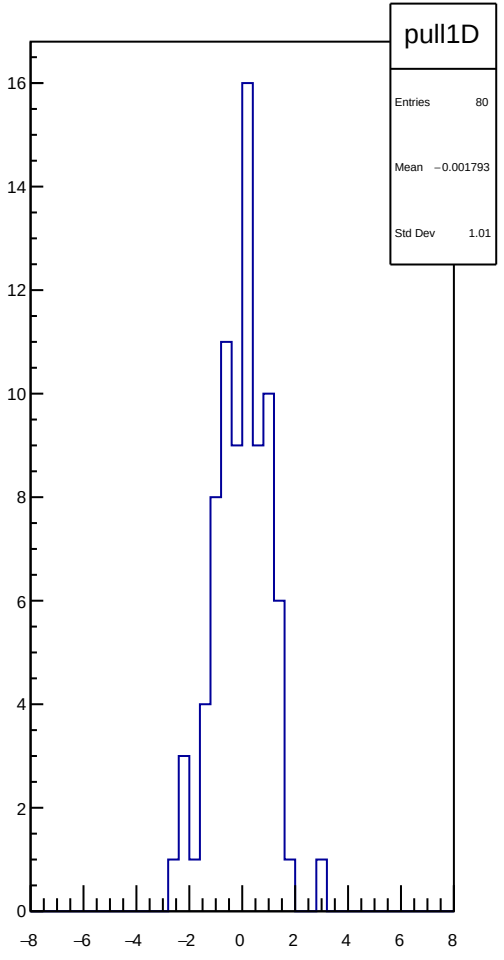

asym_at2_avg_rms vs run
χ² / ndf 2.924e+04 / 79
p0 1.009e+04 ± 8.406
22000
20000
18000
16000
14000
12000
10000
8000

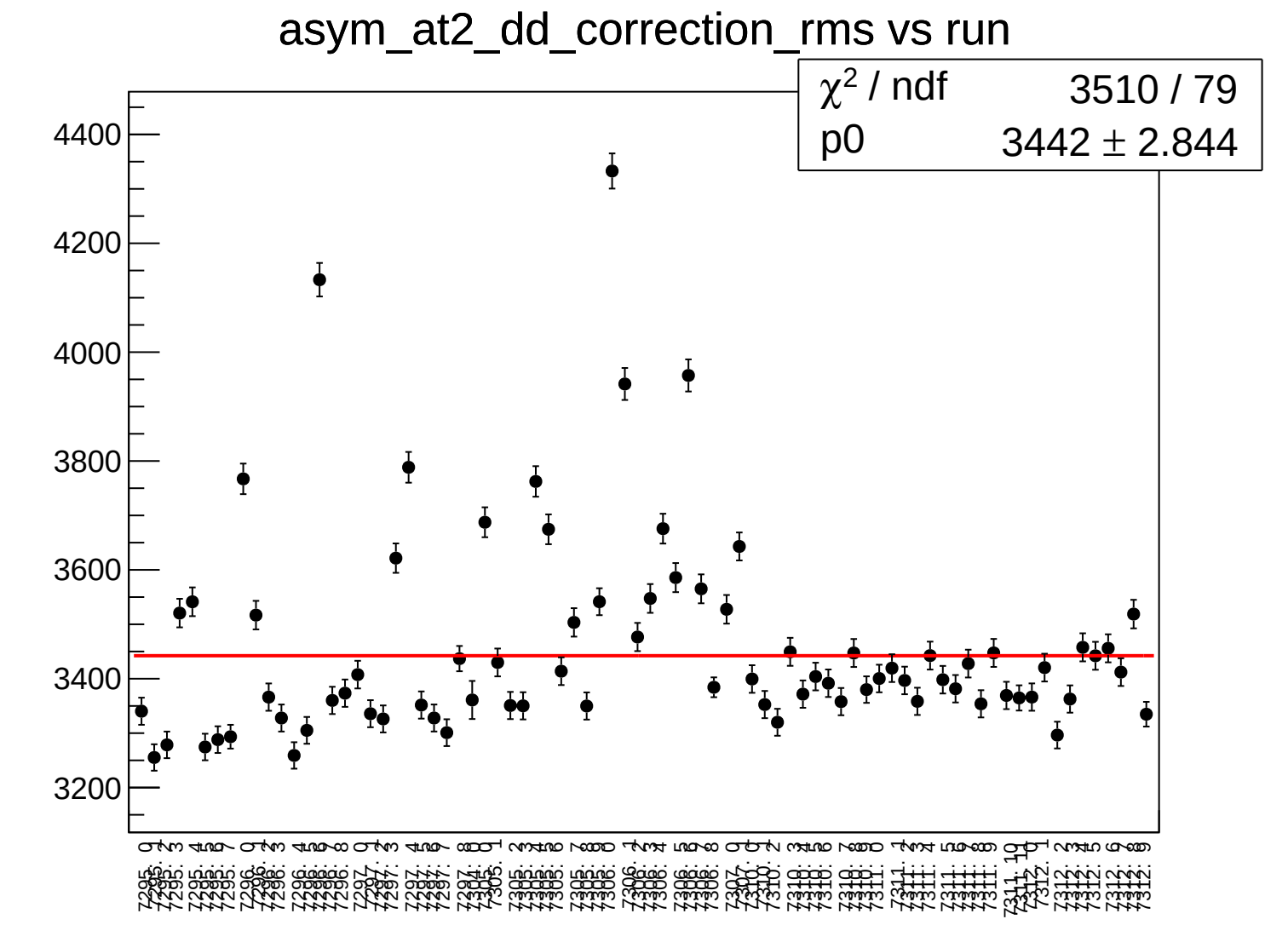

dit_asym_at2_dd_mean vs run
χ² / ndf 78.89 / 79
p0 997.7 ± 1930
pull
Entries 80
Mean 6215
Std Dev 6201

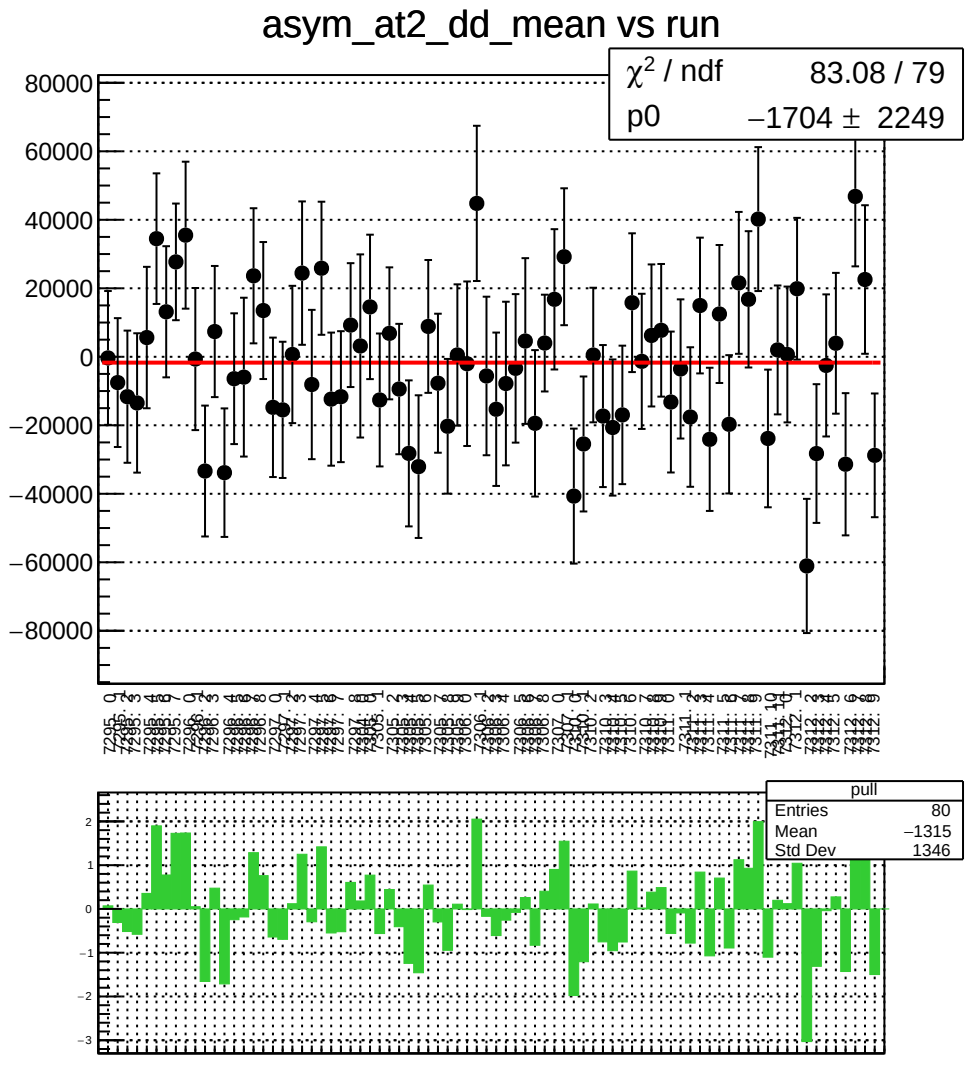

pull1D
Entries 80
Mean 0.0002207
Std Dev 0.993

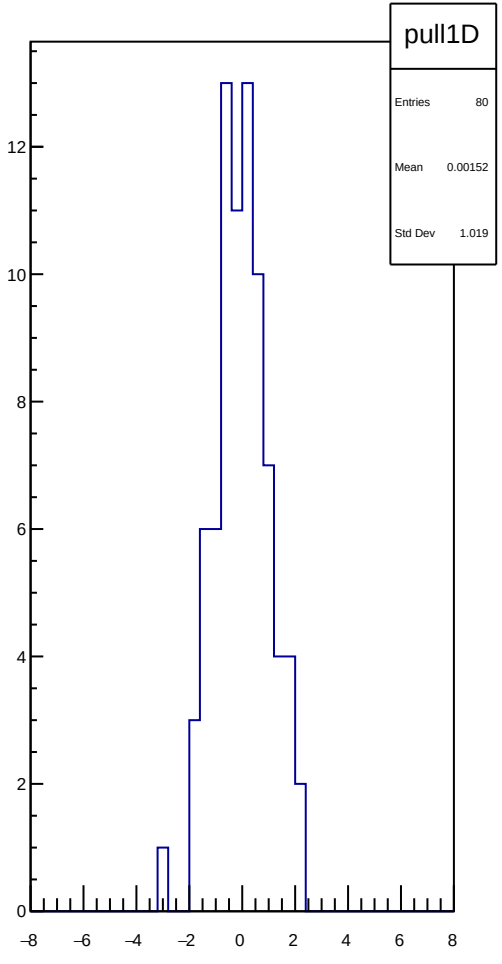

dit_asym_at2_dd_rms vs run
χ² / ndf 4413 / 79
p0 1652 ± 1.365
2200
2100
2000
1900
1800
1700
1600
1500

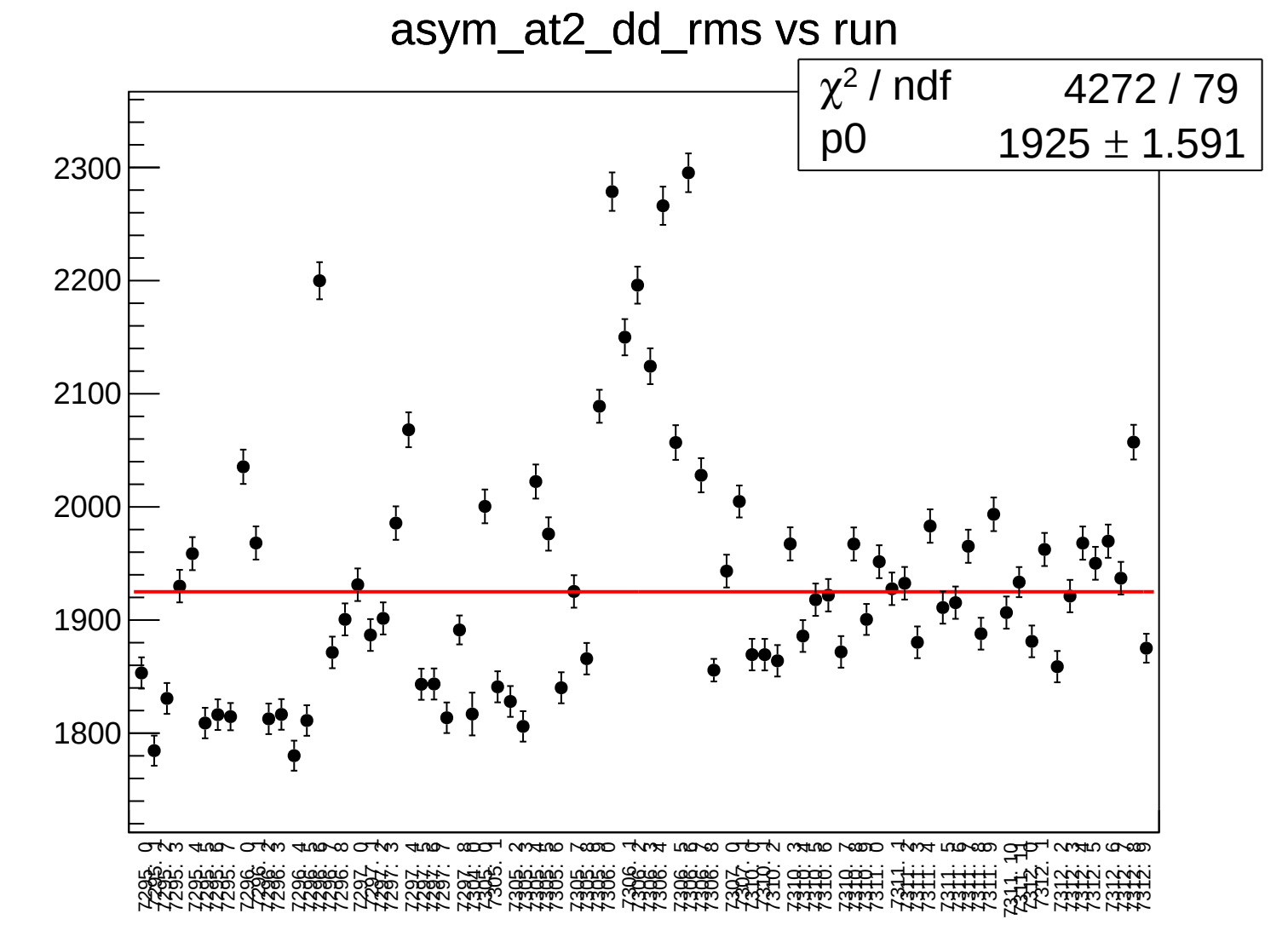

asym_at2_dd_correction_mean vs run
χ² / ndf 81.57 / 79
p0 2785 ± 4021
×10³
pull
Entries 80
Mean −970.5
Std Dev 995.4

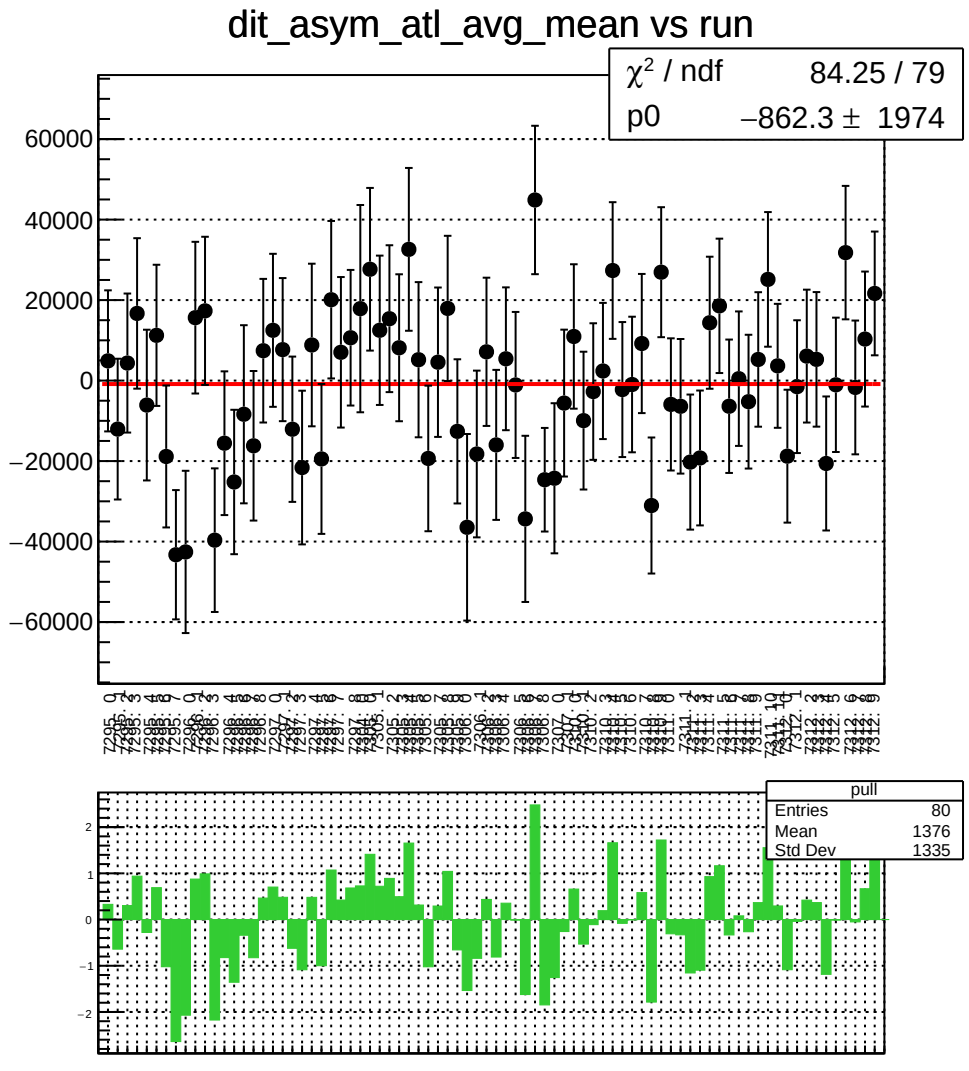

pull1D
Entries 80
Mean −0.001793
Std Dev 1.01

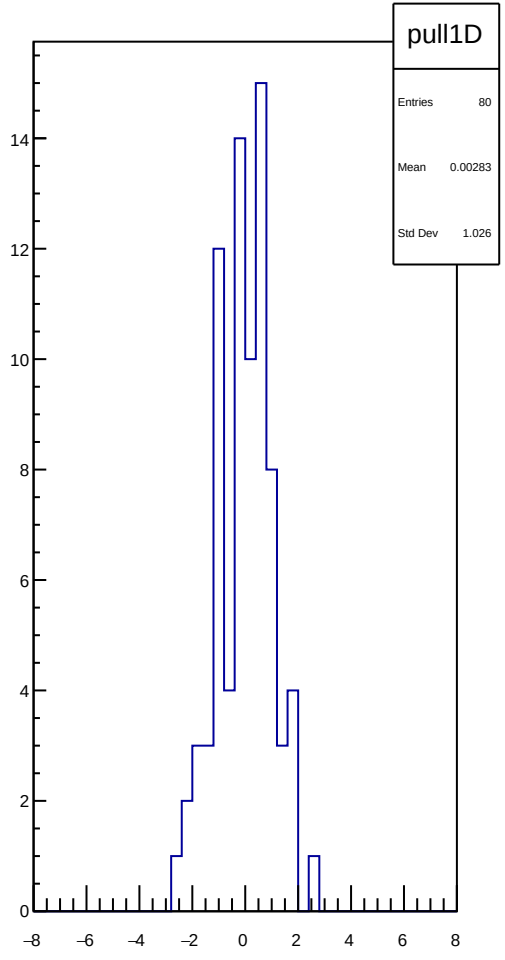

asym_at2_dd_correction_rms vs run
χ² / ndf 3510 / 79
p0 3442 ± 2.844
4400
4200
4000
3800
3600
3400
3200

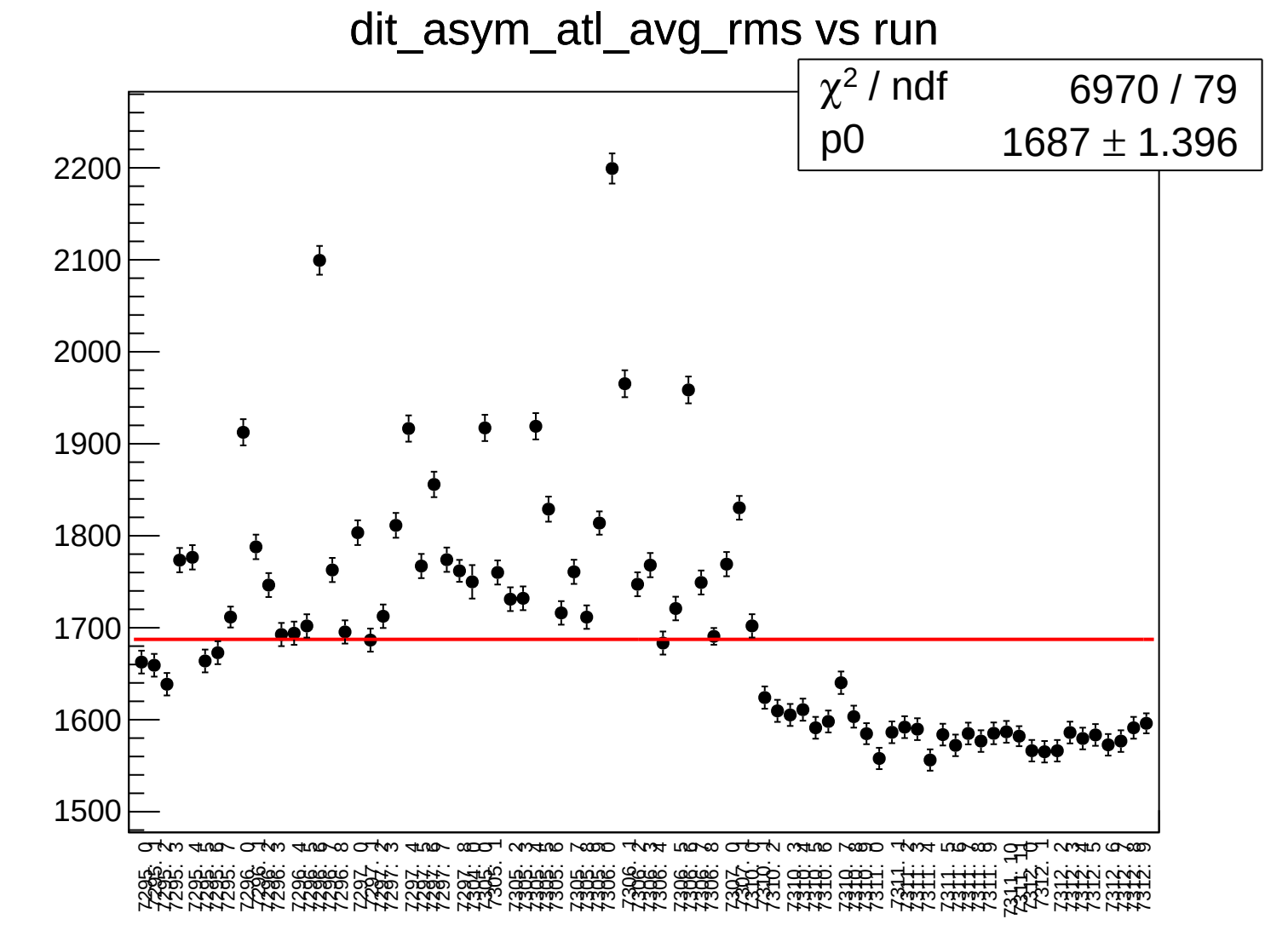

asym_at2_dd_mean vs run
χ² / ndf 83.08 / 79
p0 −1704 ± 2249
pull
Entries 80
Mean −1315
Std Dev 1346

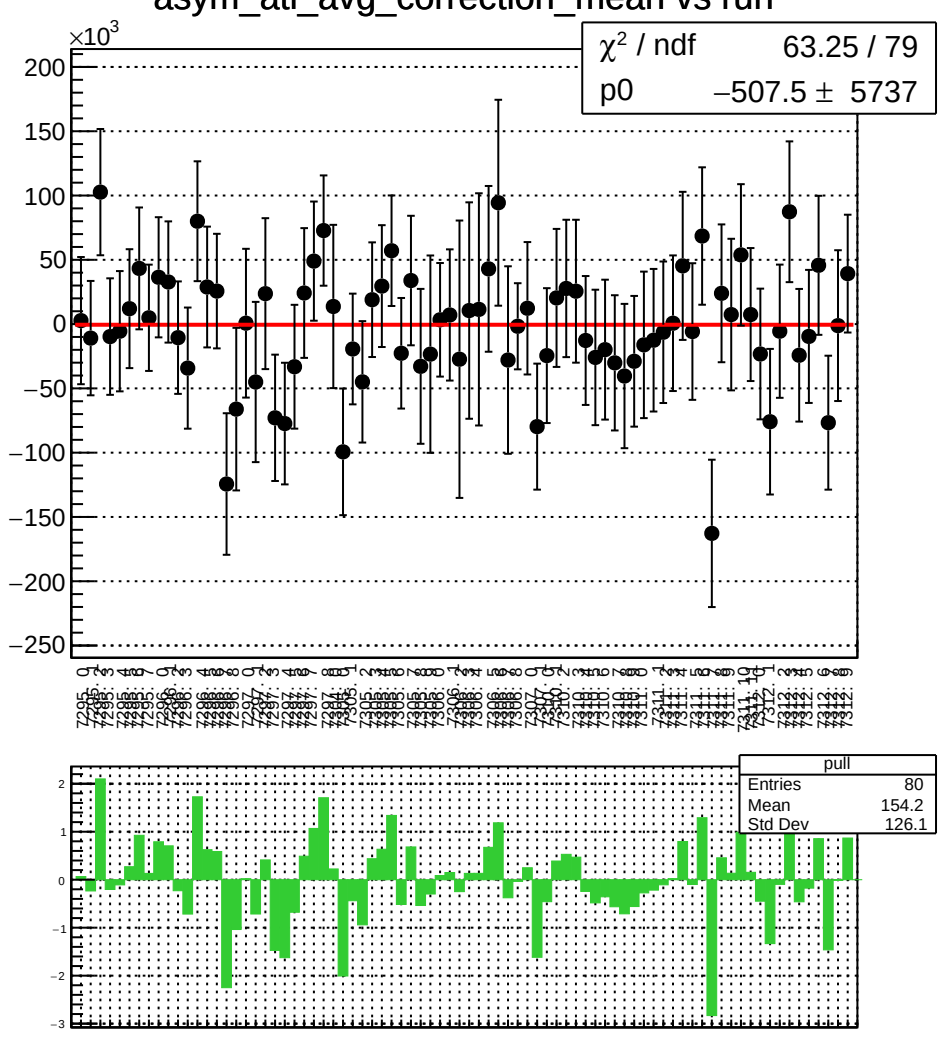

pull1D
Entries 80
Mean 0.00152
Std Dev 1.019

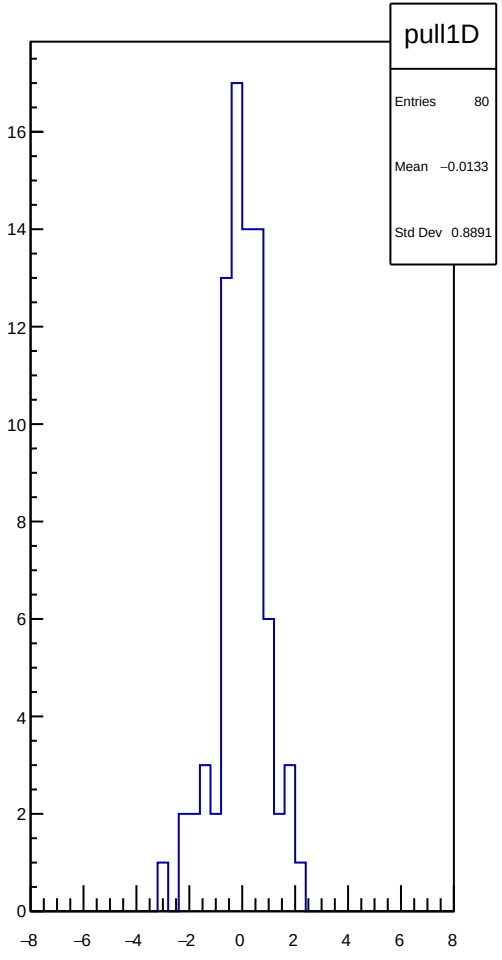

asym_at2_dd_rms vs run
χ² / ndf 4272 / 79
p0 1925 ± 1.591
2300
2200
2100
2000
1900
1800

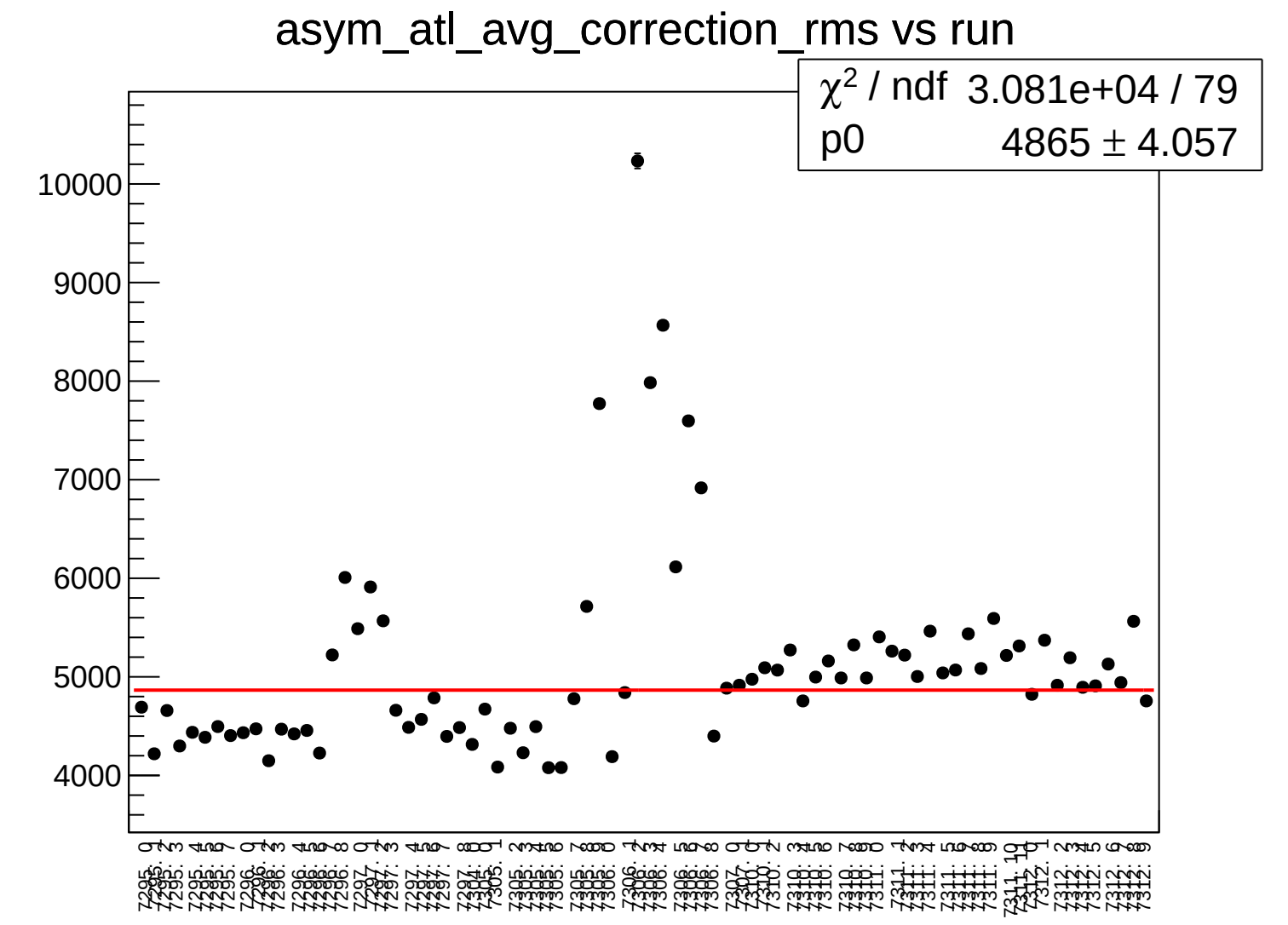

dit_asym_atl_avg_mean vs run
χ² / ndf 84.25 / 79
p0 −862.3 ± 1974
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1376
Std Dev 1335
2
1
0
−1
−2

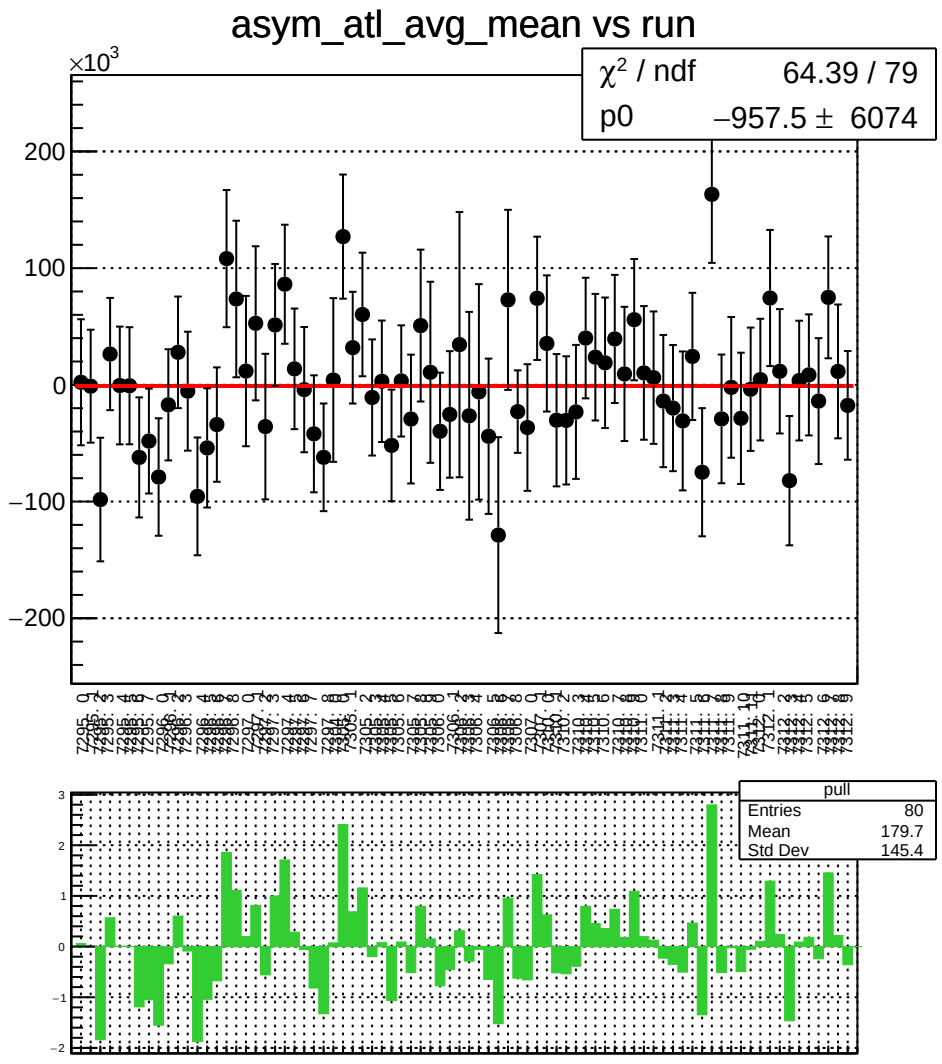

pull1D
Entries 80
Mean 0.00283
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

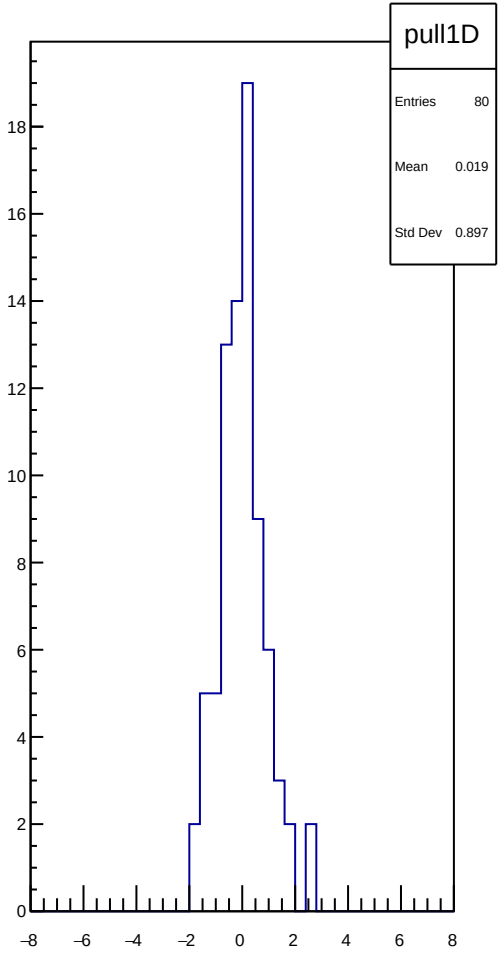

dit_asym_atl_avg_rms vs run
χ^2 / ndf 6970 / 79
p0 1687 ± 1.396
2200
2100
2000
1900
1800
1700
1600
1500

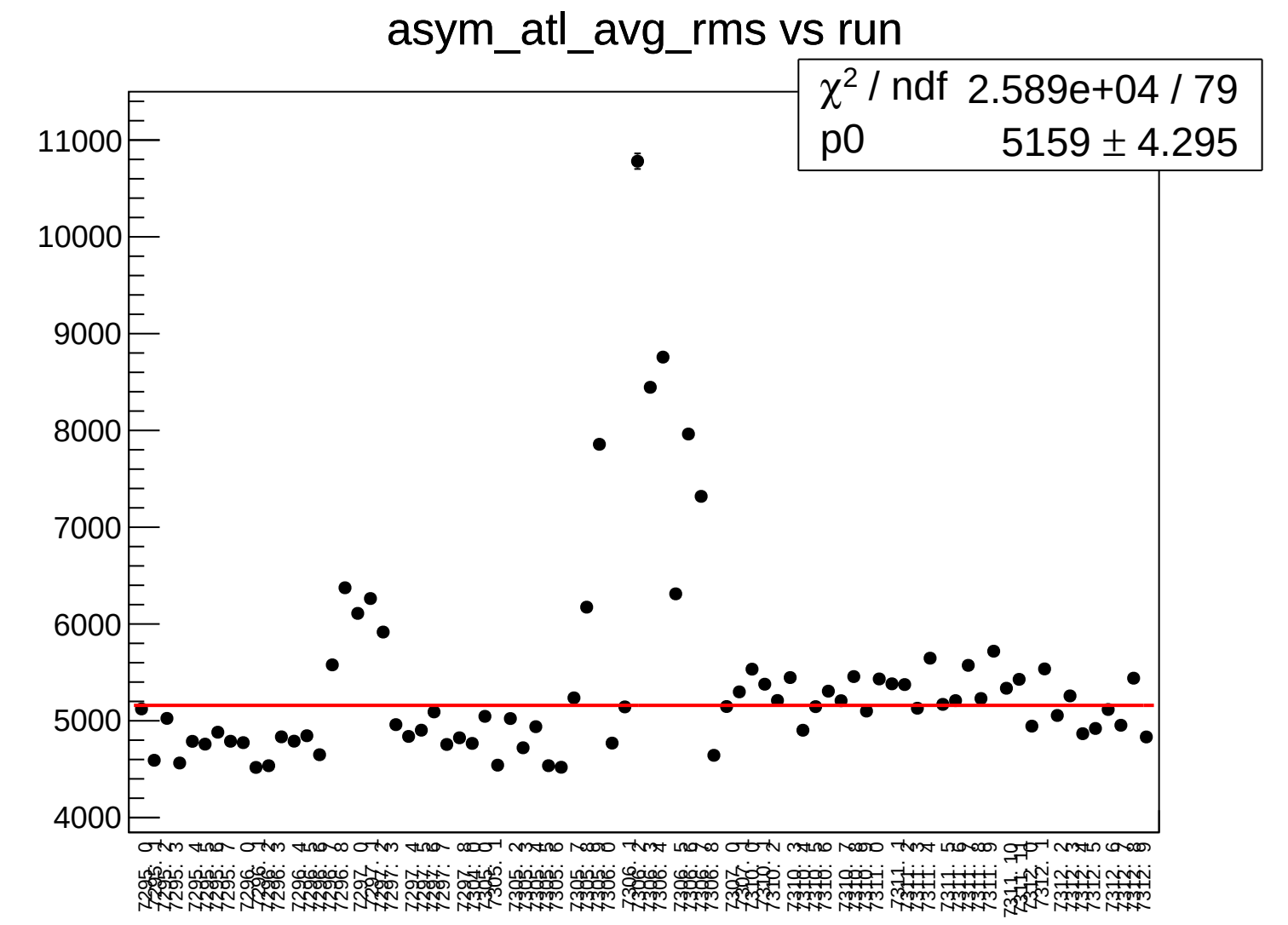

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 63.25 / 79
p0 −507.5 ± 5737
pull
Entries 80
Mean 154.2
Std Dev 126.1

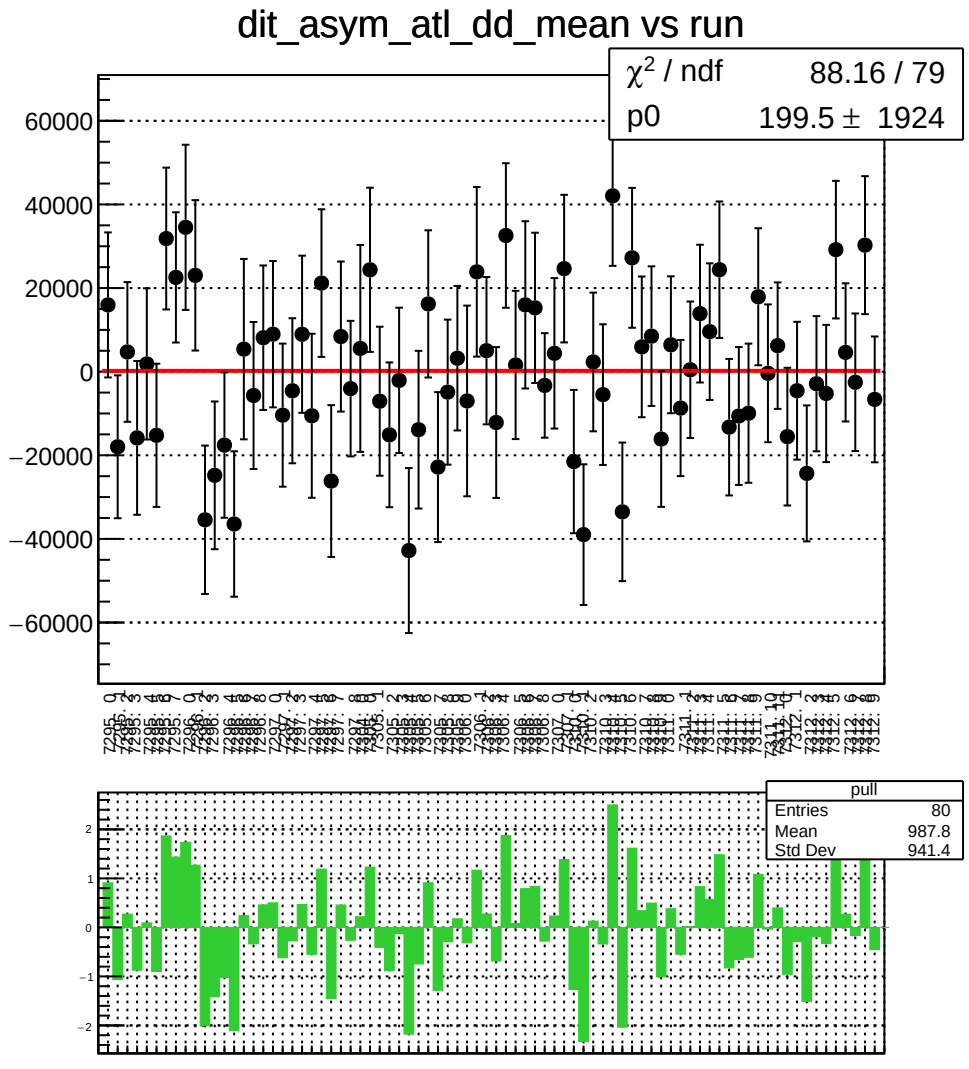

pull1D
Entries 80
Mean −0.0133
Std Dev 0.8891

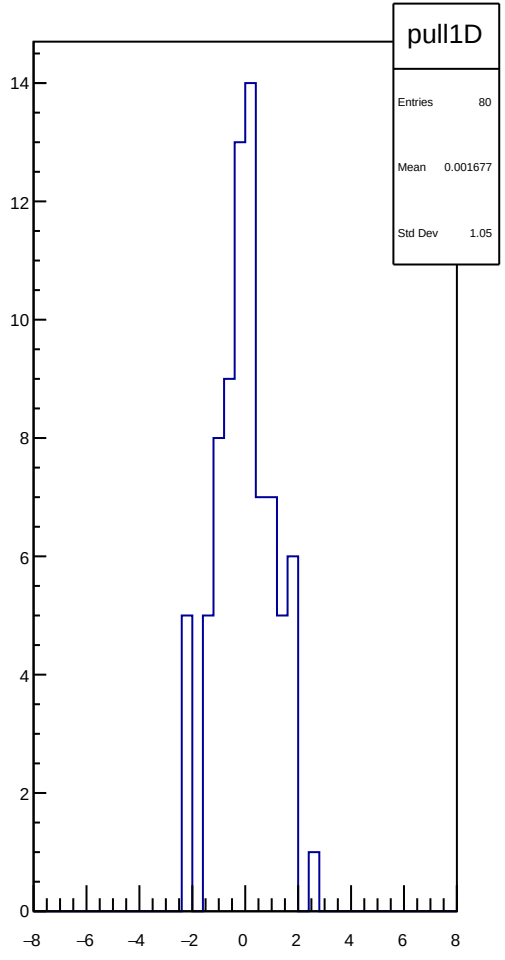

asym_atl_avg_correction_rms vs run
χ^2 / ndf 3.081e+04 / 79
p0 4865 ± 4.057
10000
9000
8000
7000
6000
5000
4000

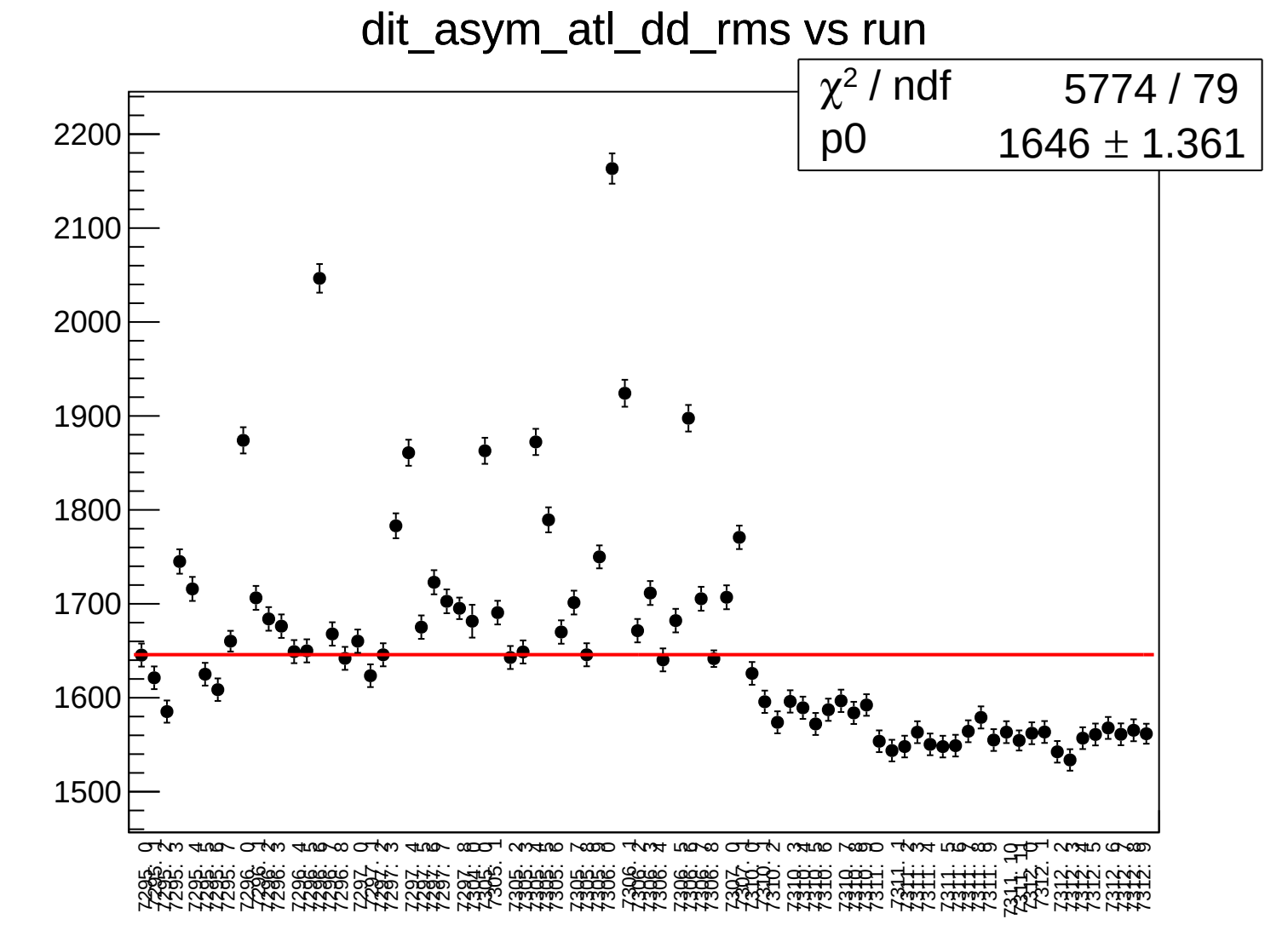

asym_atl_avg_mean vs run
×10^3
χ² / ndf 64.39 / 79
p0 −957.5 ± 6074
200
100
0
−100
−200
pull
Entries 80
Mean 179.7
Std Dev 145.4
3
2
1
0
−1
−2

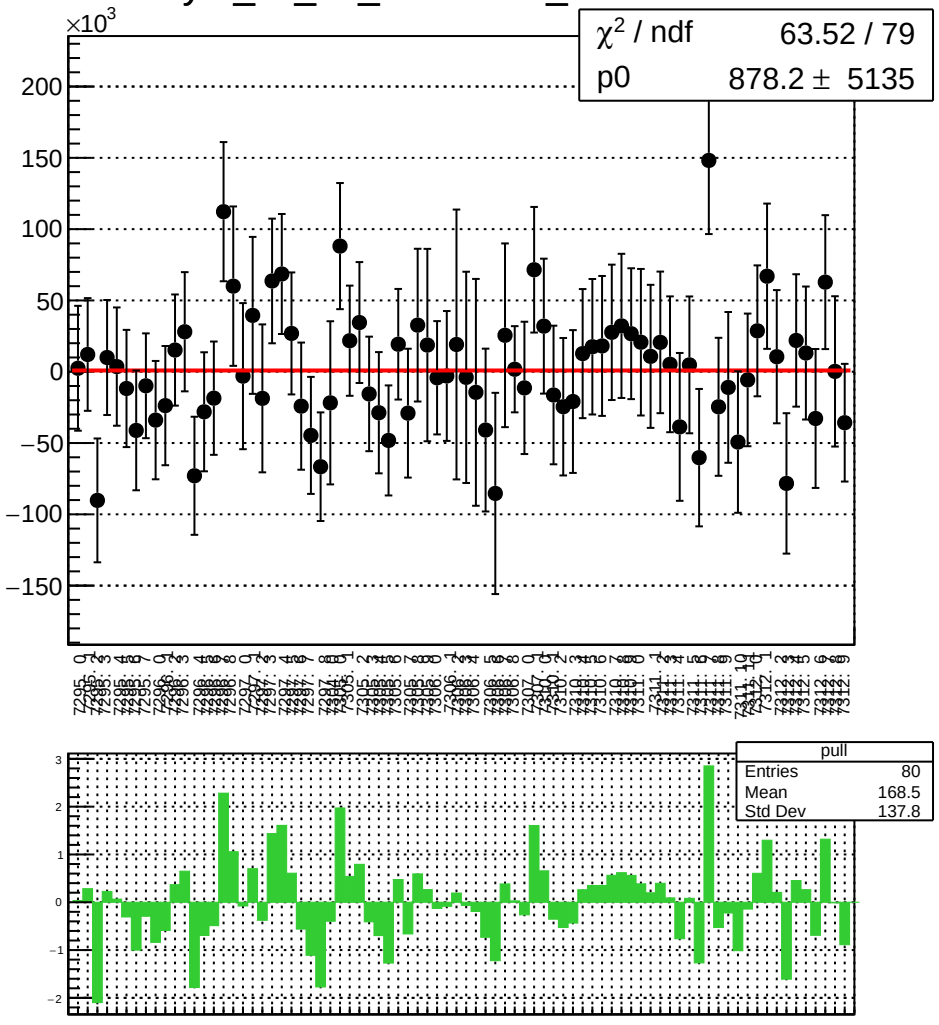

pull1D
Entries 80
Mean 0.019
Std Dev 0.897
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

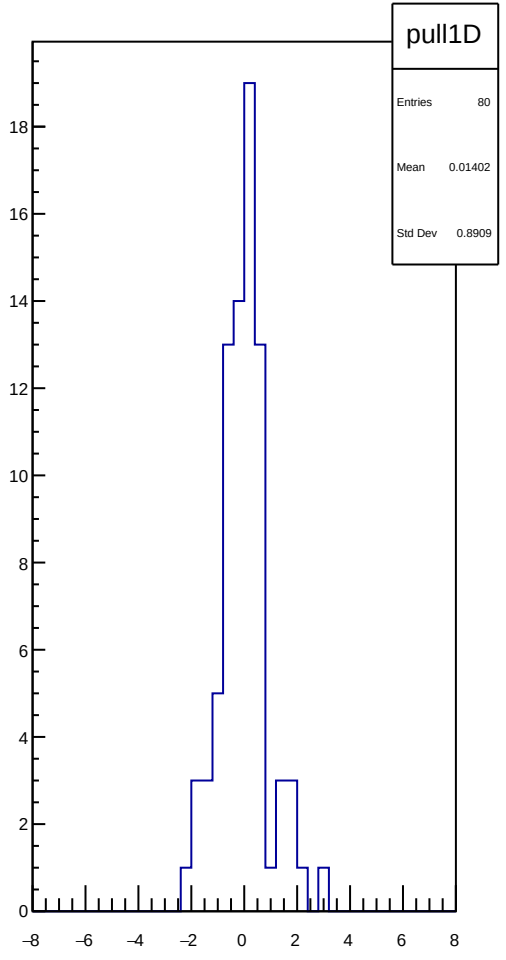

asym_atl_avg_rms vs run
χ^2 / ndf 2.589e+04 / 79
p0 5159 ± 4.295
11000
10000
9000
8000
7000
6000
5000
4000

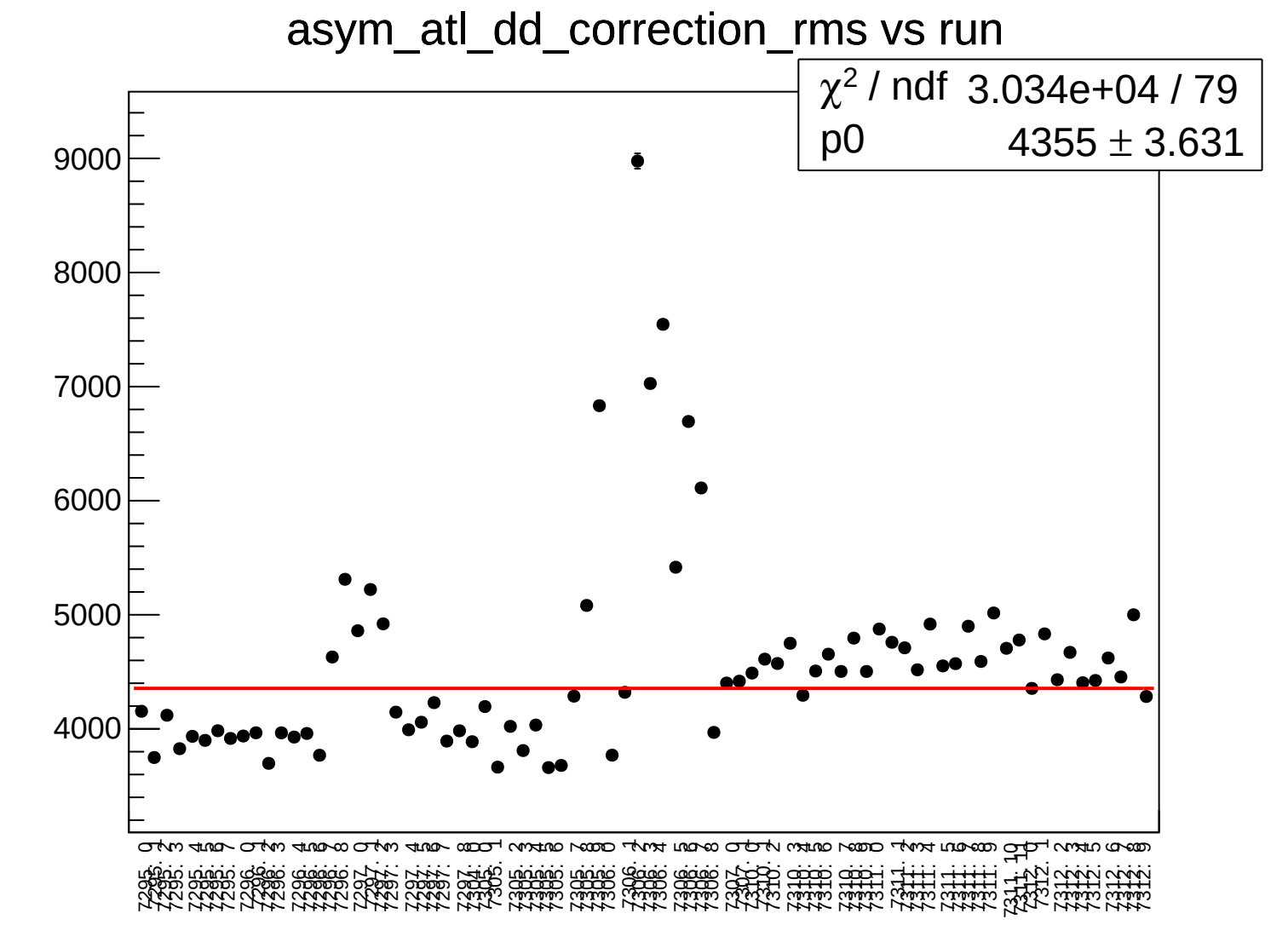

dit_asym_atl_dd_mean vs run
χ^2 / ndf 88.16 / 79
p0 199.5 ± 1924
pull
Entries 80
Mean 987.8
Std Dev 941.4

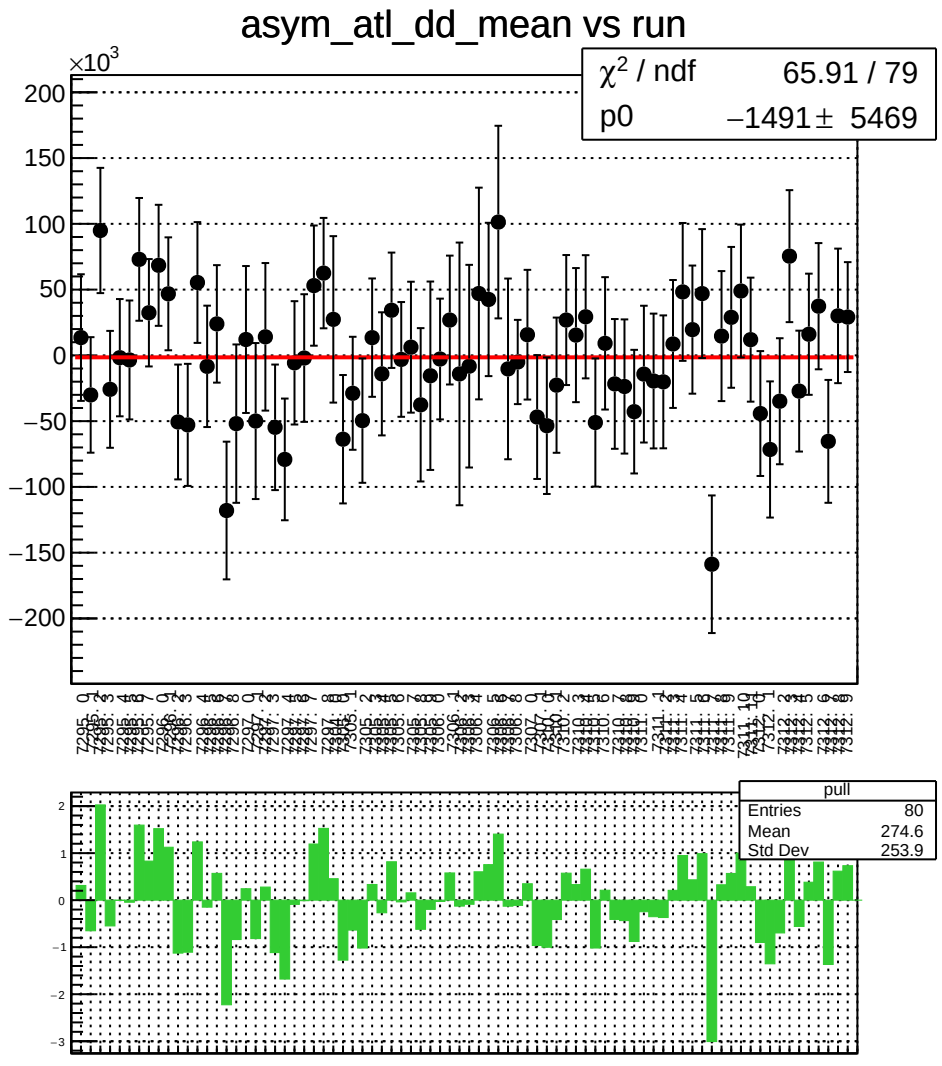

pull1D
Entries 80
Mean 0.001677
Std Dev 1.05

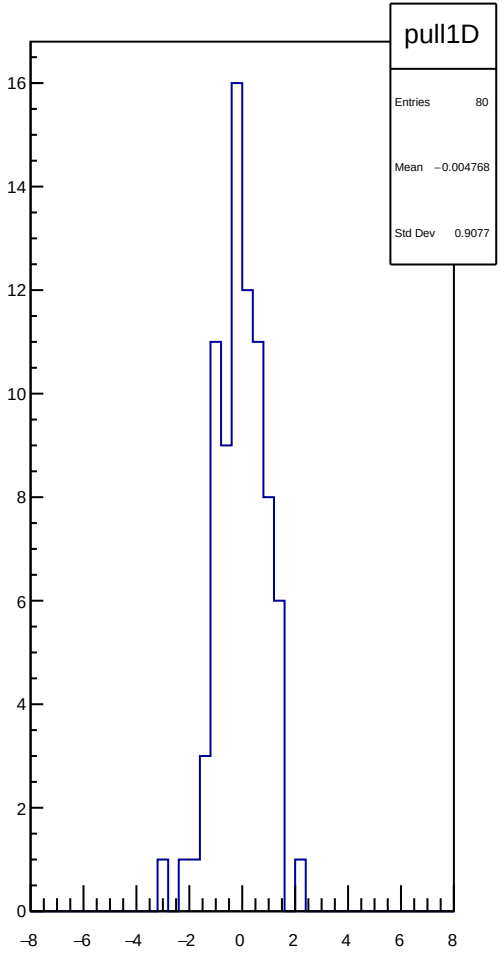

dit_asym_atl_dd_rms vs run
χ² / ndf 5774 / 79
p0 1646 ± 1.361
2200
2100
2000
1900
1800
1700
1600
1500

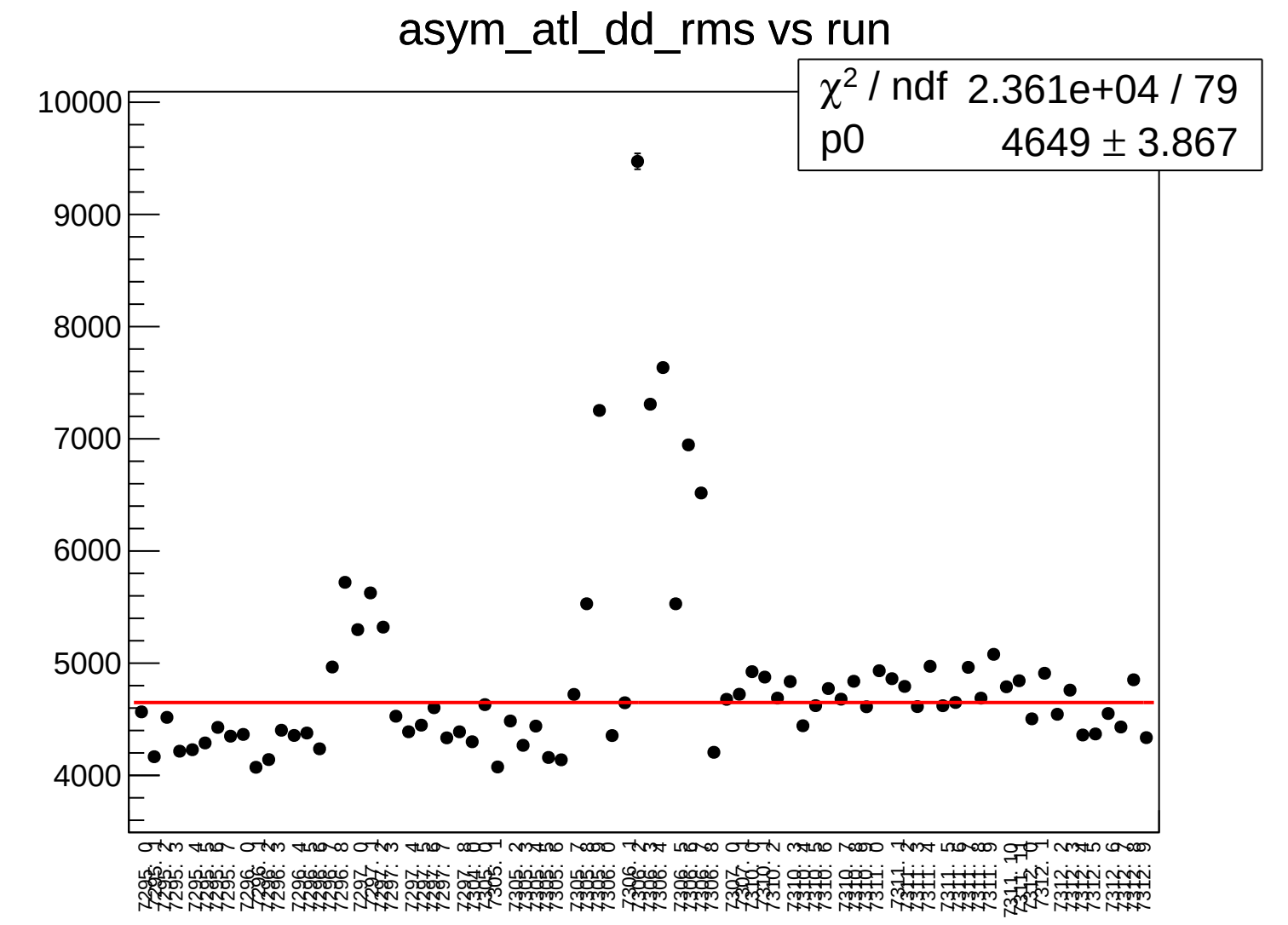

asym_atl_dd_correction_mean vs run
χ² / ndf 63.52 / 79
p0 878.2 ± 5135
×10³
pull
Entries 80
Mean 168.5
Std Dev 137.8

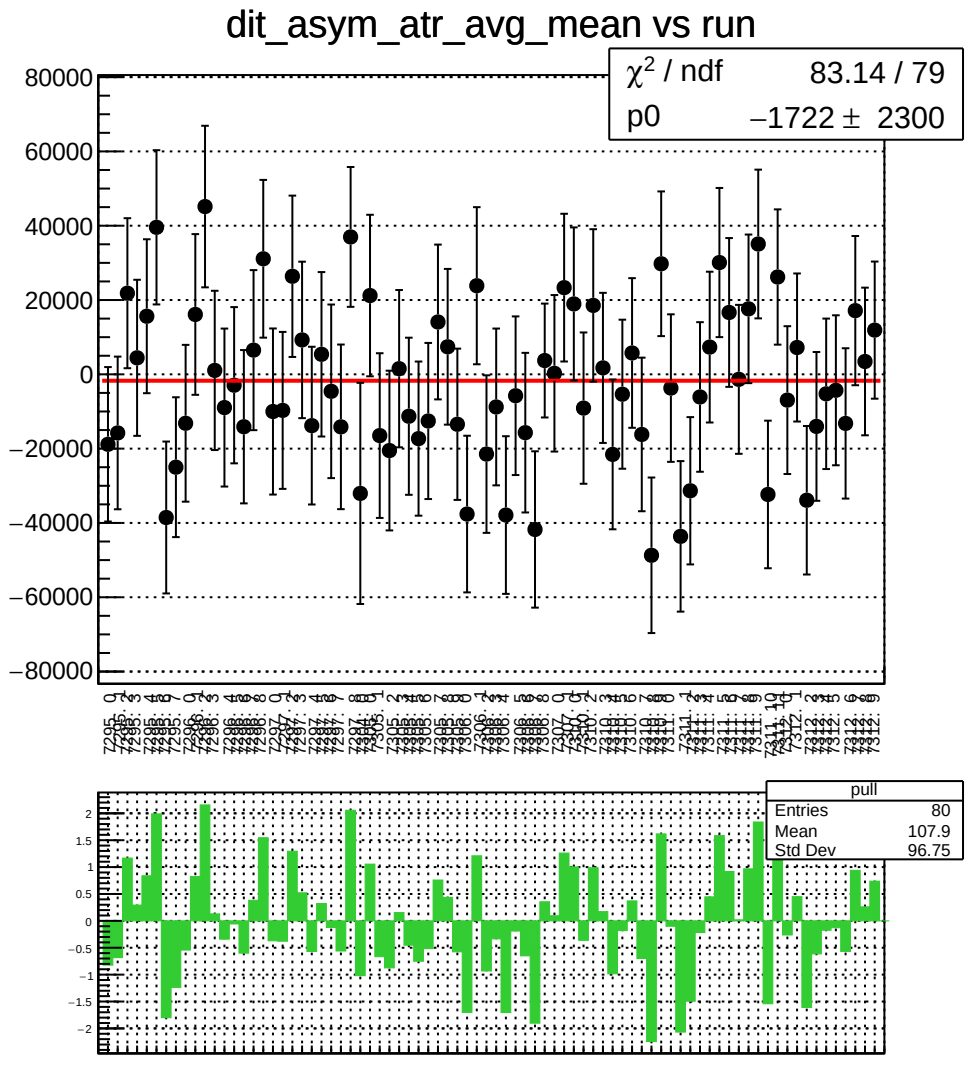

pull1D
Entries 80
Mean 0.01402
Std Dev 0.8909

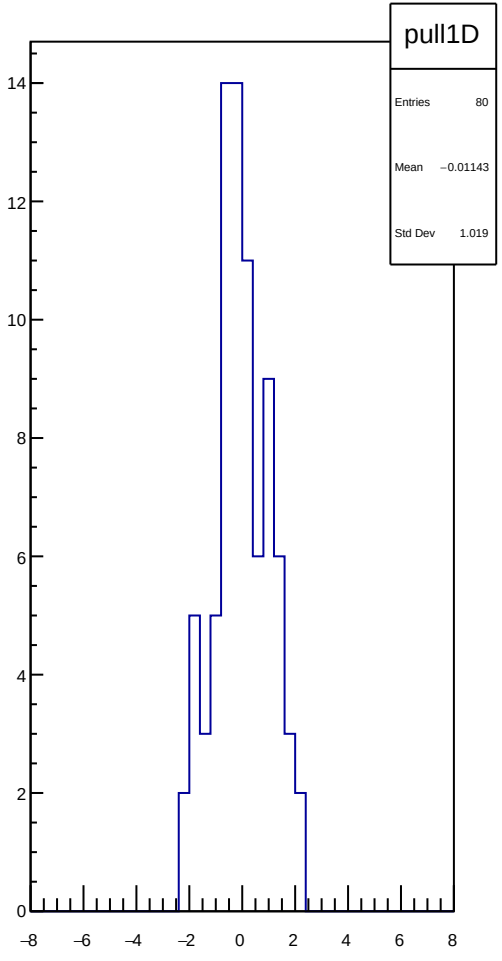

asym_atl_dd_correction_rms vs run
χ² / ndf 3.034e+04 / 79
p0 4355 ± 3.631
9000
8000
7000
6000
5000
4000

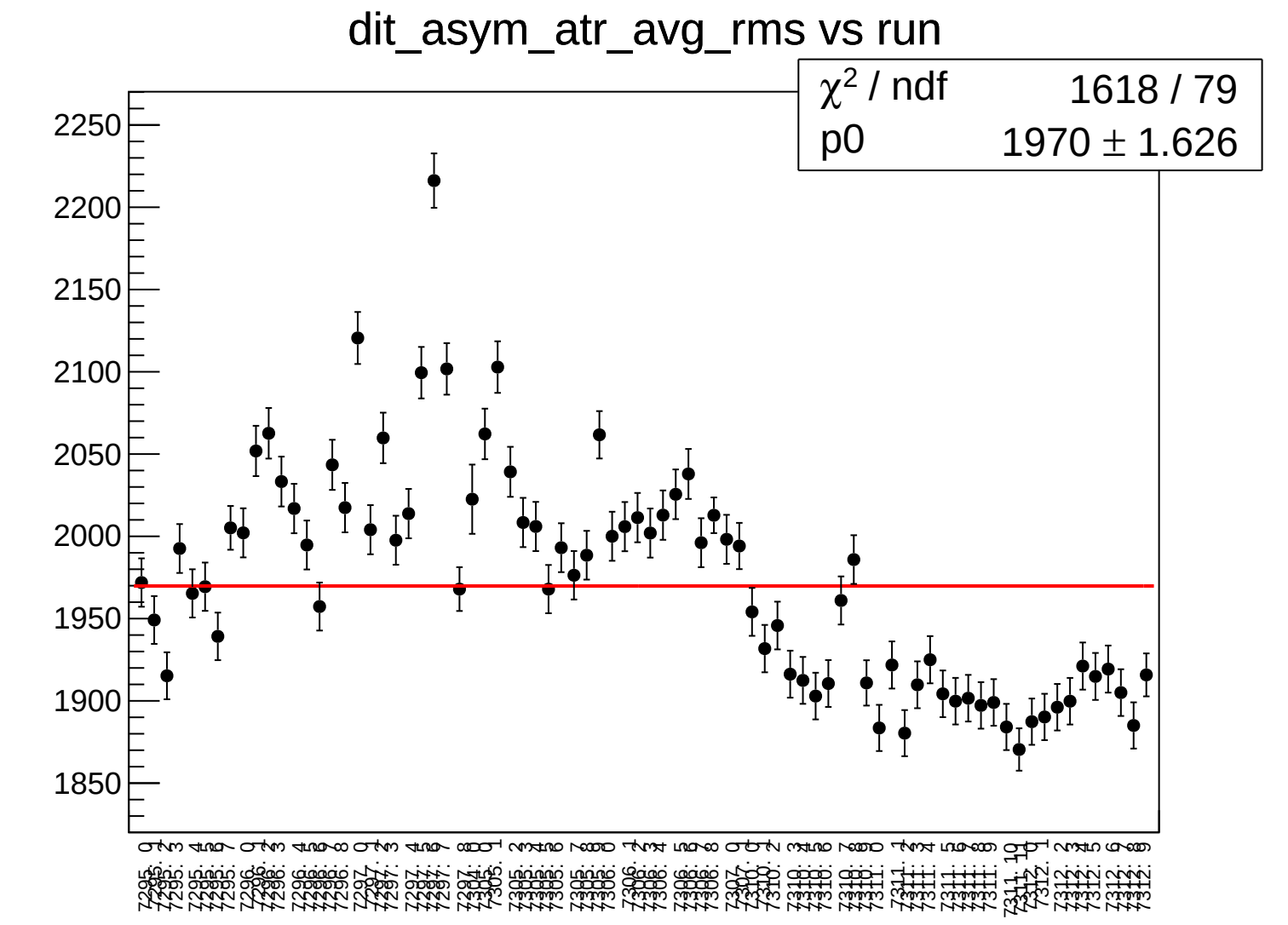

asym_atl_dd_mean vs run
×10^3
χ² / ndf 65.91 / 79
p0 −1491 ± 5469
pull
Entries 80
Mean 274.6
Std Dev 253.9

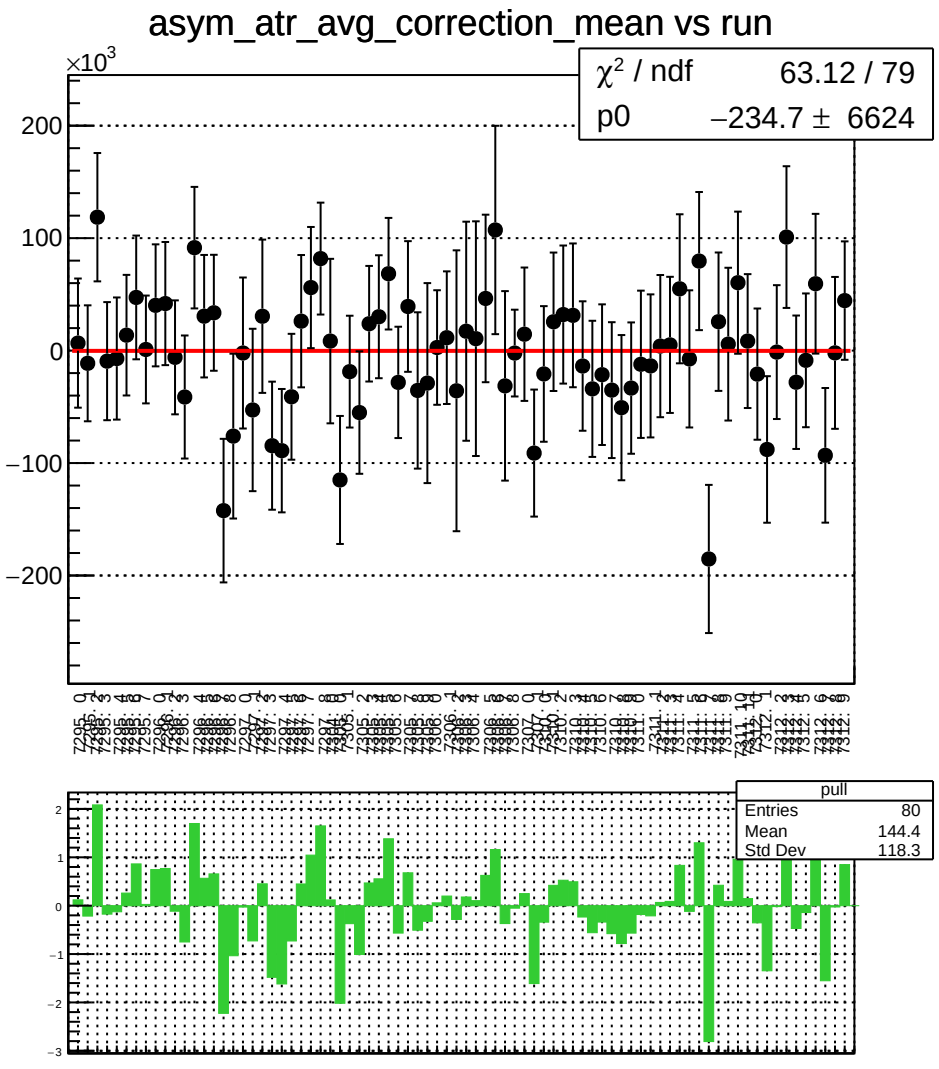

pull1D
Entries 80
Mean −0.004768
Std Dev 0.9077

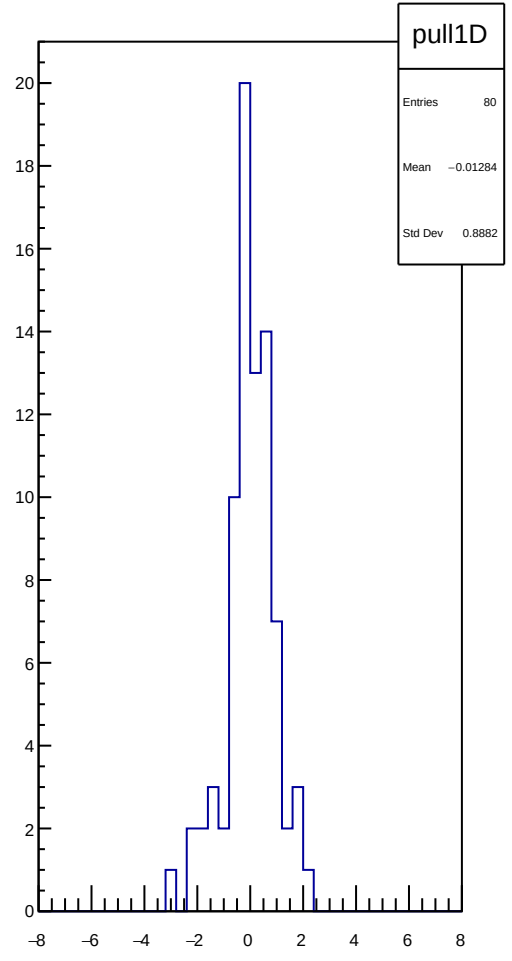

asym_atl_dd_rms vs run
χ^2 / ndf 2.361e+04 / 79
p0 4649 ± 3.867
10000
9000
8000
7000
6000
5000
4000

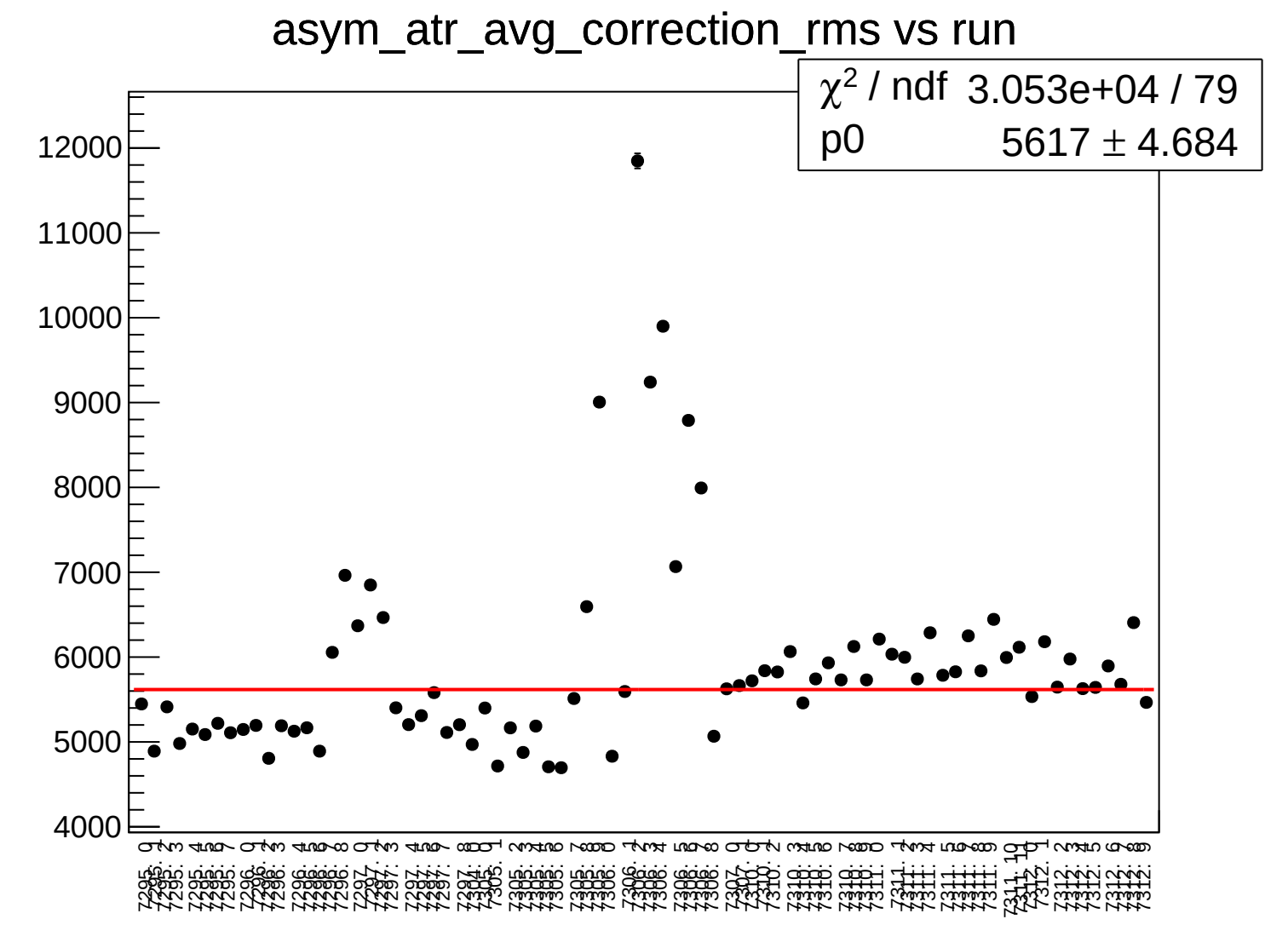

dit_asym_atr_avg_mean vs run
χ² / ndf 83.14 / 79
p0 −1722 ± 2300
pull
Entries 80
Mean 107.9
Std Dev 96.75

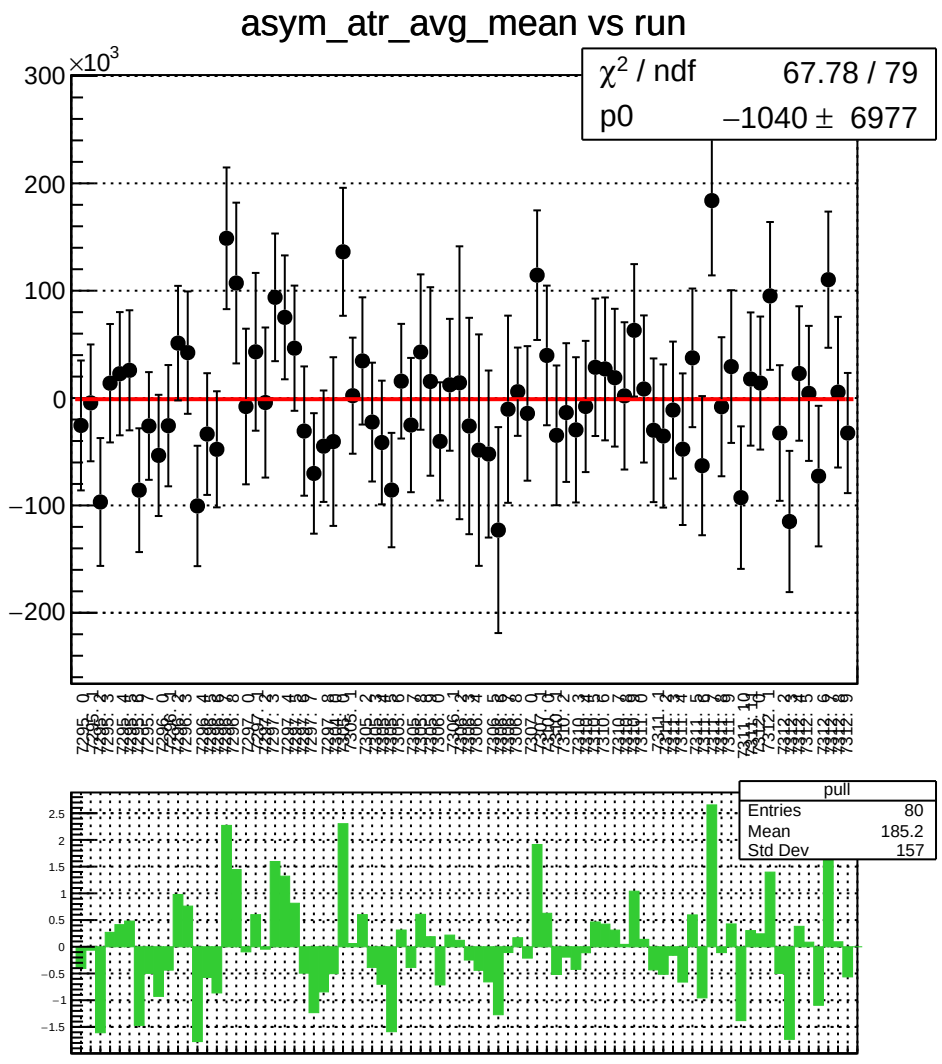

pull1D
Entries 80
Mean −0.01143
Std Dev 1.019

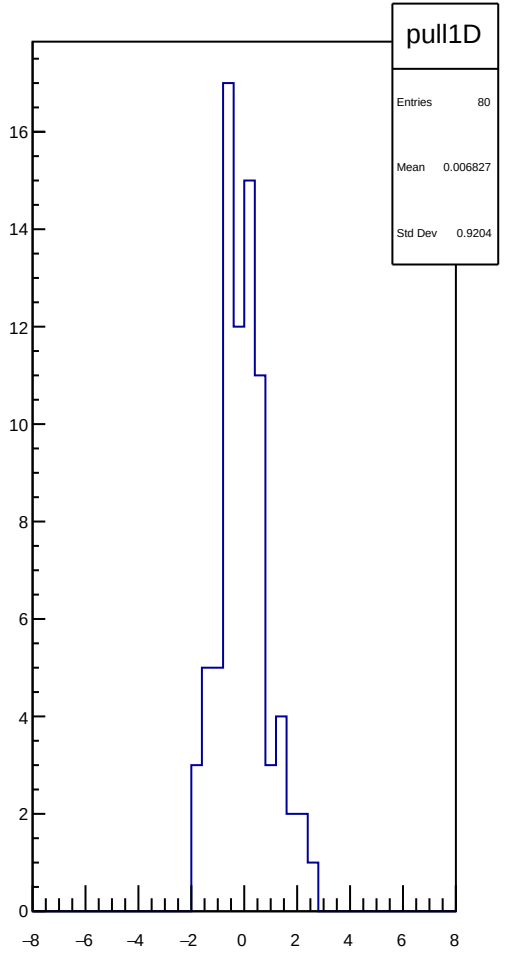

dit_asym_atr_avg_rms vs run
χ² / ndf 1618 / 79
p0 1970 ± 1.626
2250
2200
2150
2100
2050
2000
1950
1900
1850

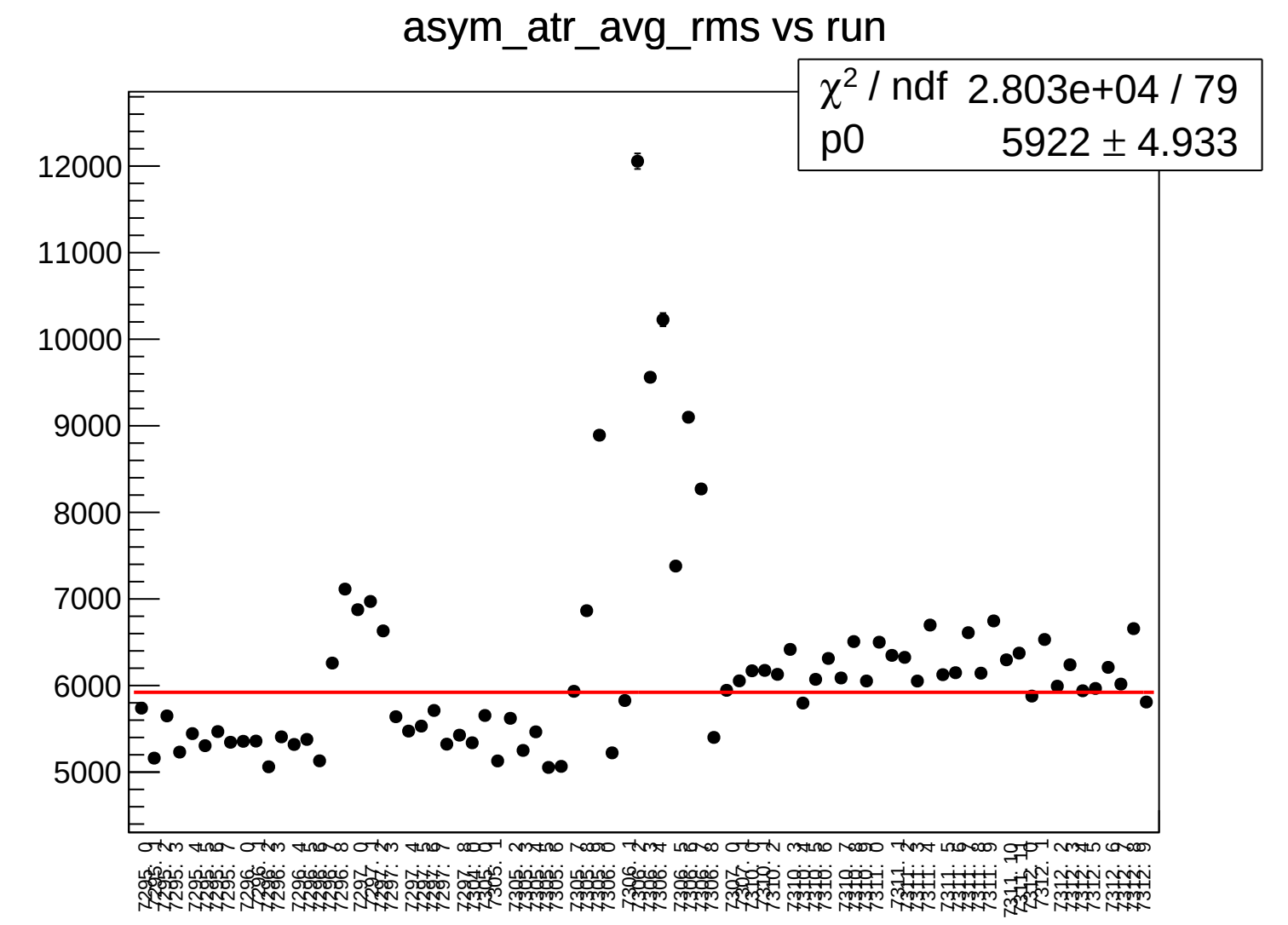

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 63.12 / 79
p0 −234.7 ± 6624
200
100
0
−100
−200
pull
Entries 80
Mean 144.4
Std Dev 118.3
2
1
0
−1
−2
−3

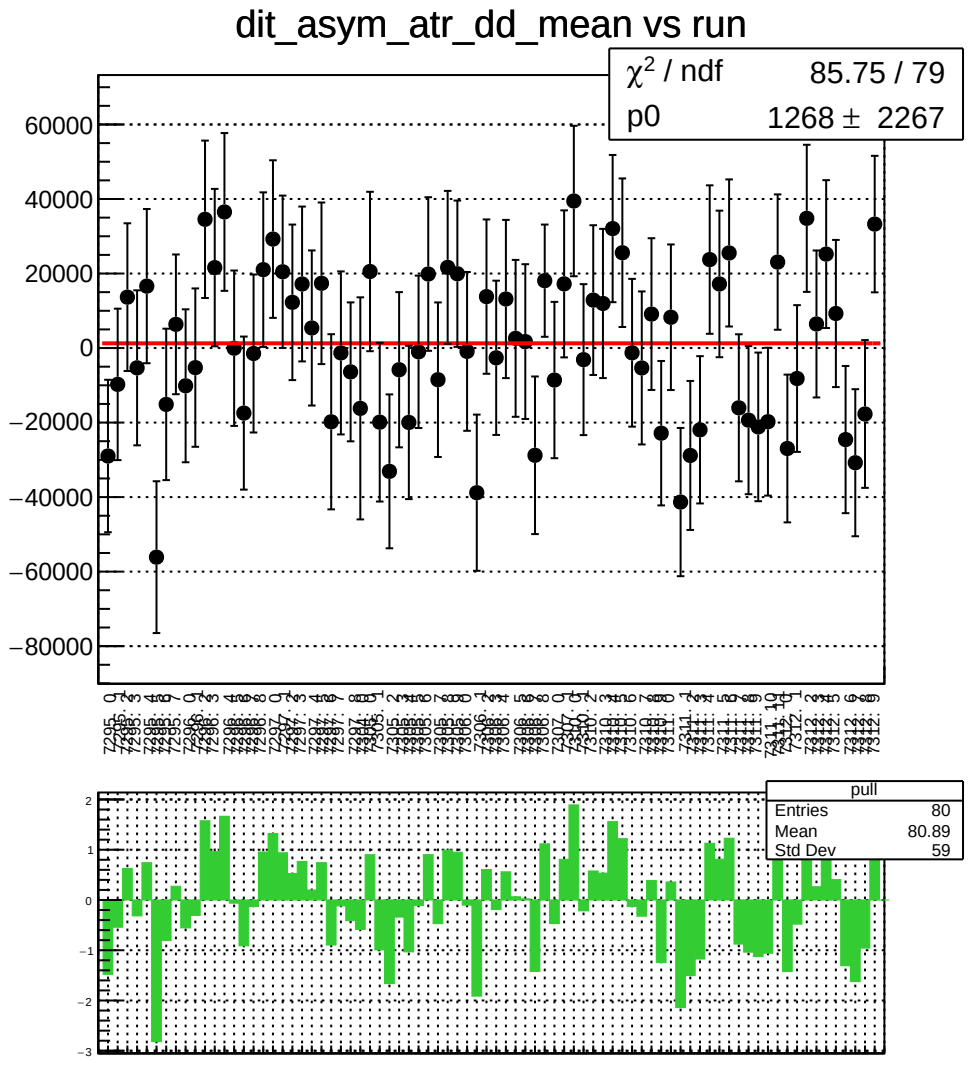

pull1D
Entries 80
Mean −0.01284
Std Dev 0.8882
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

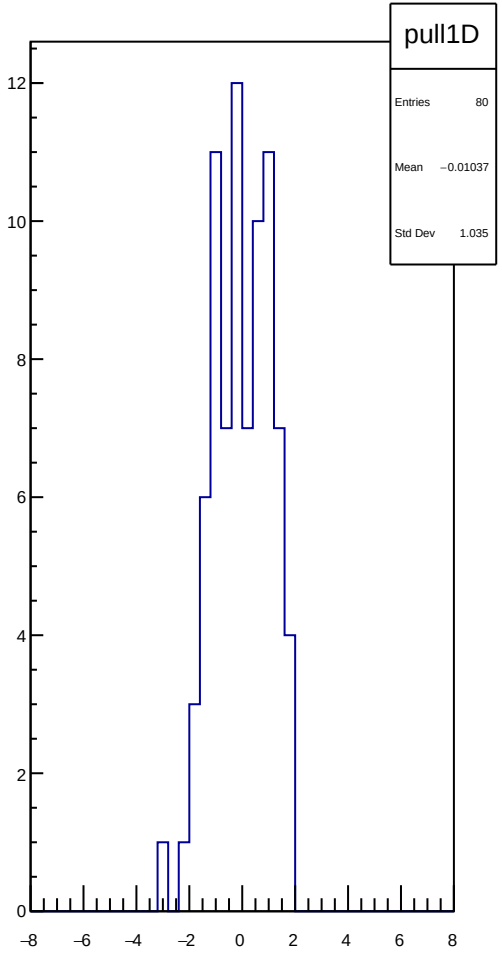

asym_atr_avg_correction_rms vs run
χ² / ndf 3.053e+04 / 79
p0 5617 ± 4.684
12000
11000
10000
9000
8000
7000
6000
5000
4000

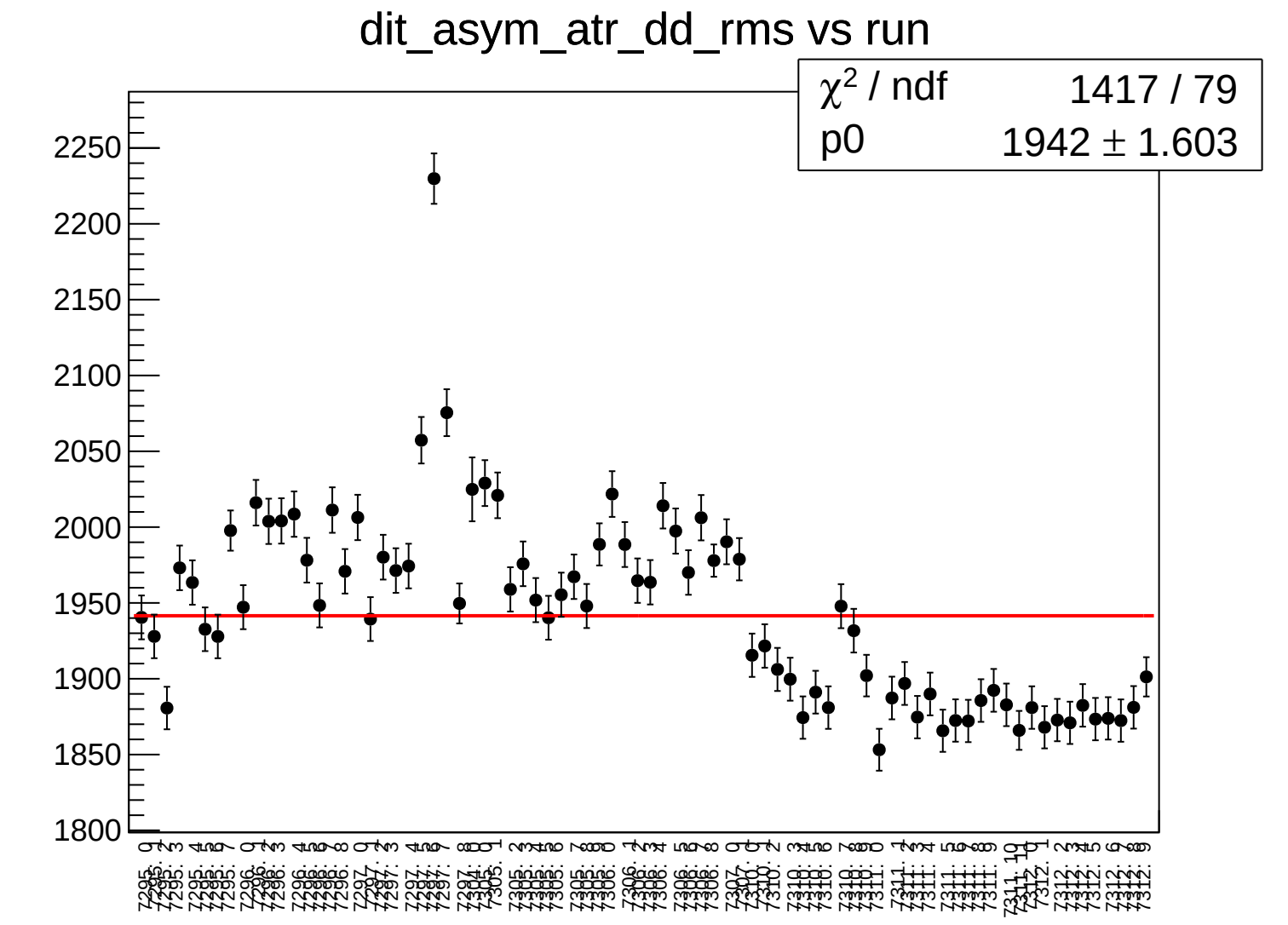

asym_atr_avg_mean vs run
χ² / ndf 67.78 / 79
p0 −1040 ± 6977
×10³
300
200
100
0
−100
−200
pull
Entries 80
Mean 185.2
Std Dev 157
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

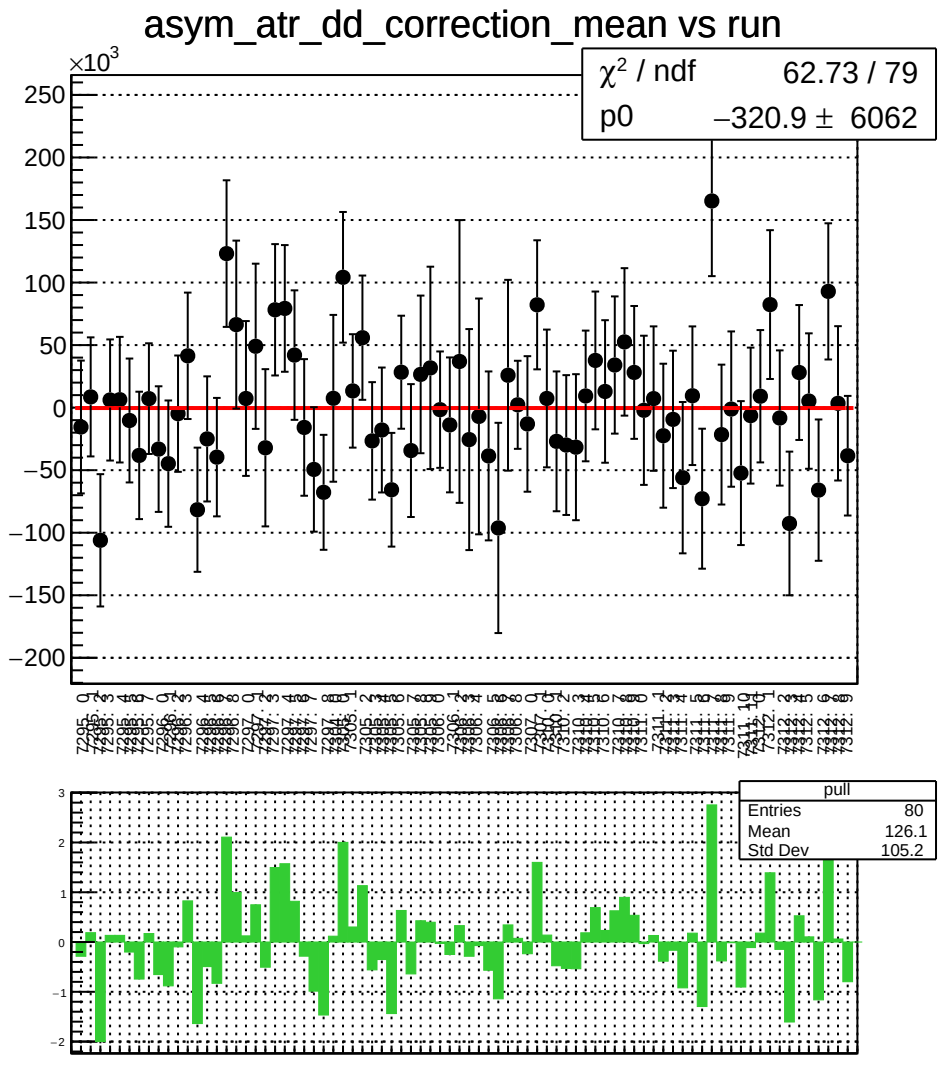

pull1D
Entries 80
Mean 0.006827
Std Dev 0.9204
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

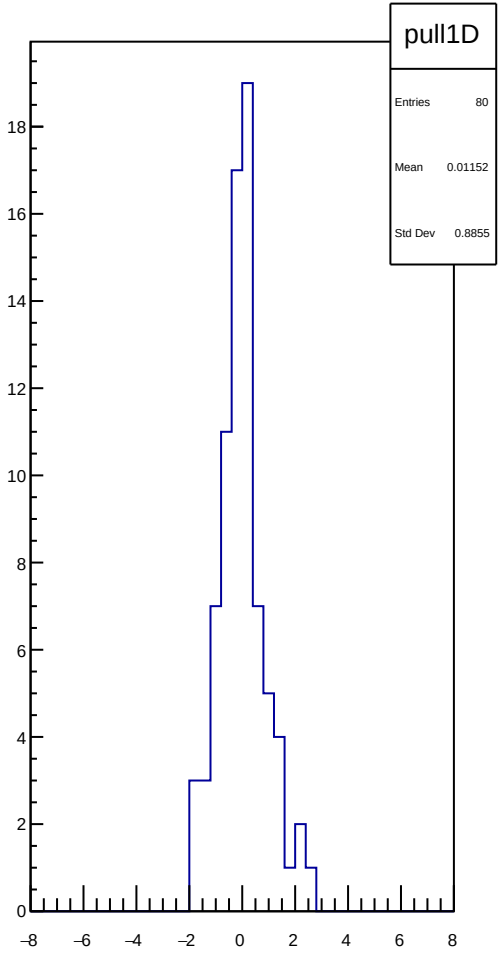

asym_atr_avg_rms vs run
χ^2 / ndf 2.803e+04 / 79
p0 5922 ± 4.933
12000
11000
10000
9000
8000
7000
6000
5000

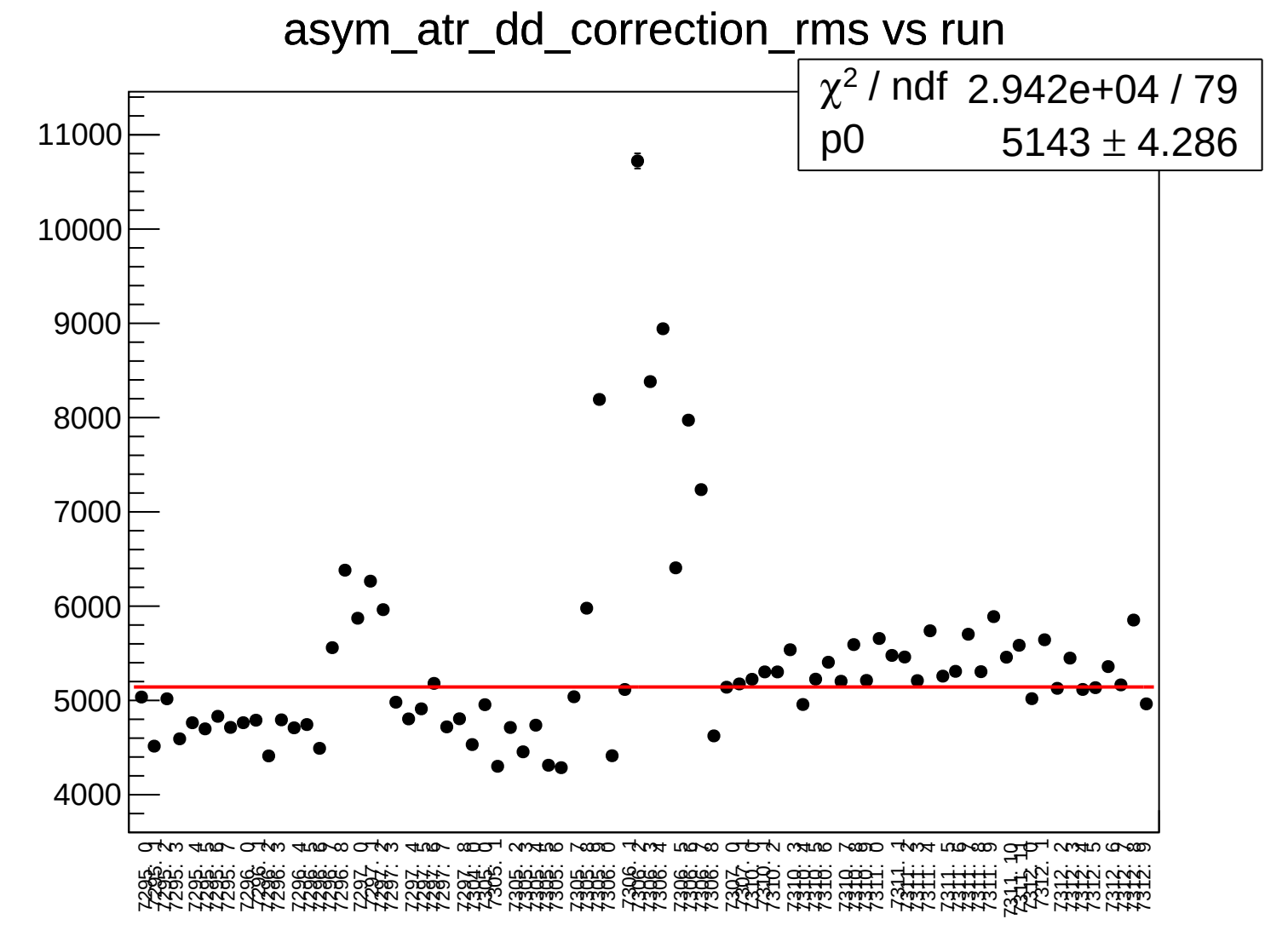

dit_asym_atr_dd_mean vs run
χ² / ndf 85.75 / 79
p0 1268 ± 2267
pull
Entries 80
Mean 80.89
Std Dev 59

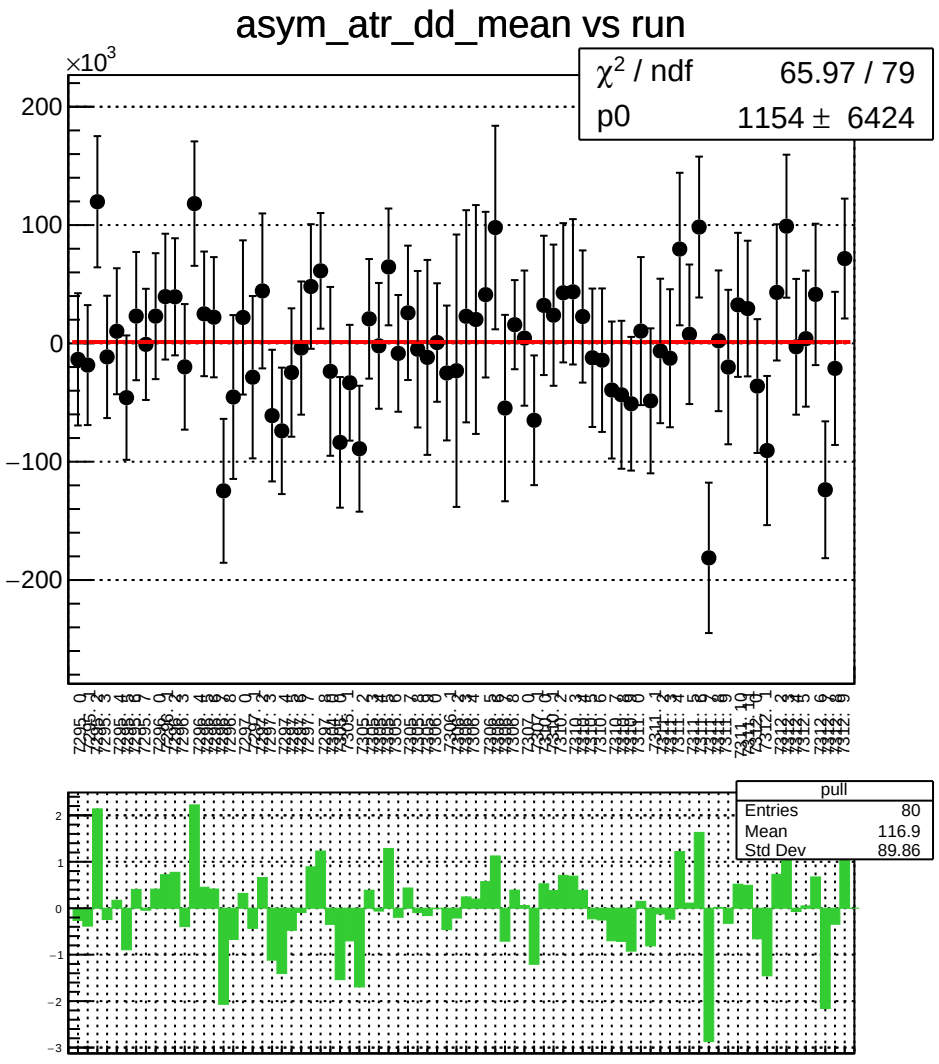

pull1D
Entries 80
Mean −0.01037
Std Dev 1.035

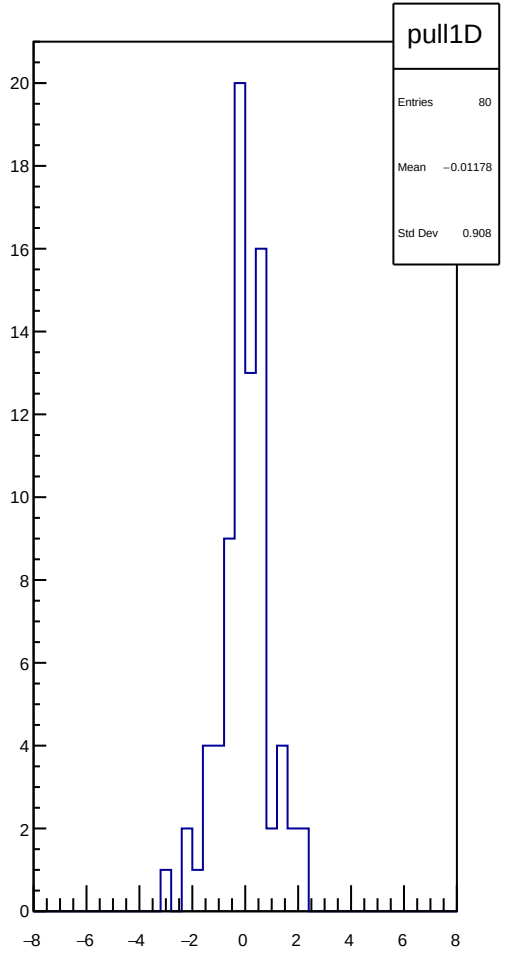

dit_asym_atr_dd_rms vs run
χ² / ndf 1417 / 79
p0 1942 ± 1.603
2250
2200
2150
2100
2050
2000
1950
1900
1850
1800

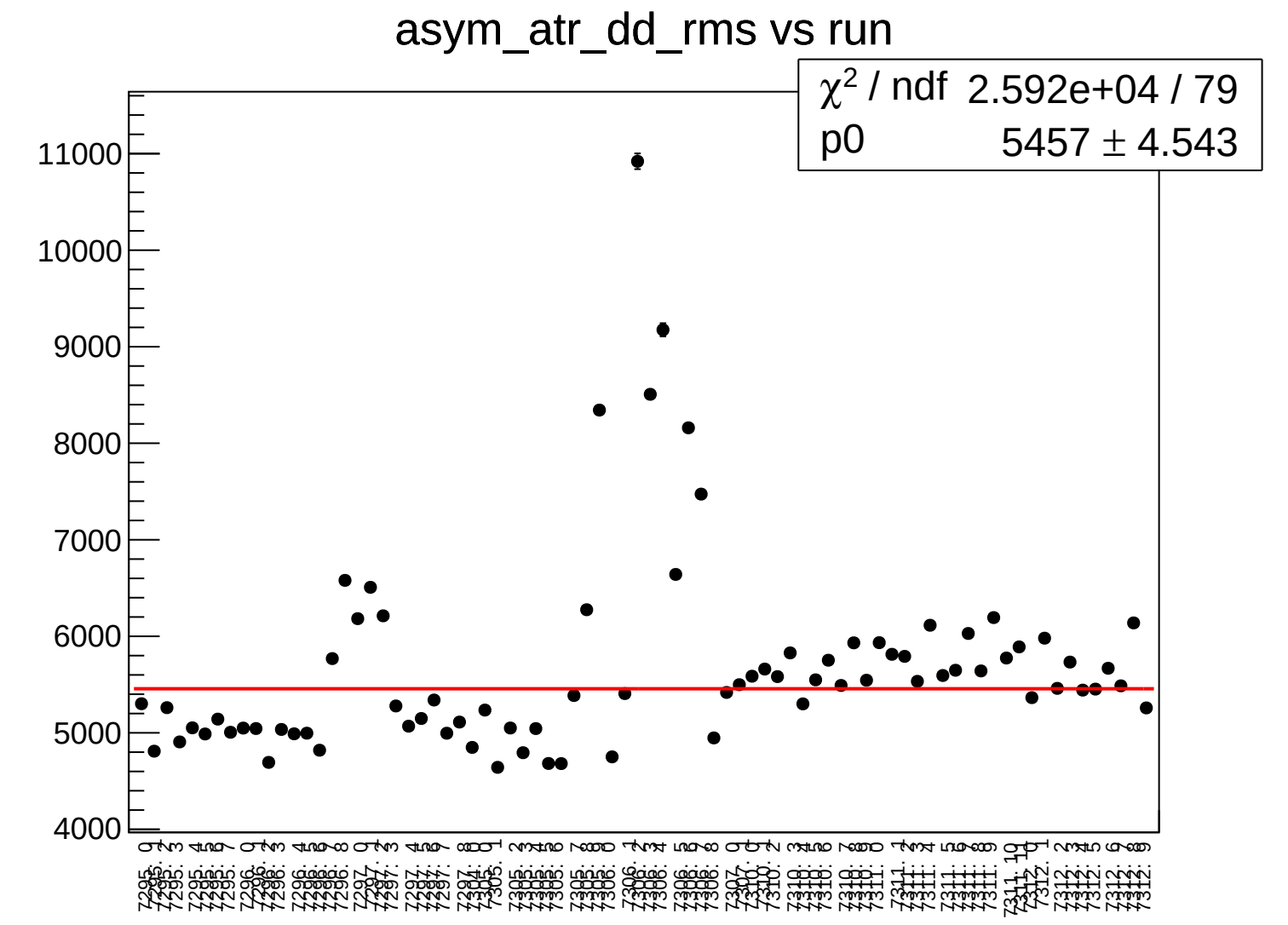

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 62.73 / 79
p0 −320.9 ± 6062
pull
Entries 80
Mean 126.1
Std Dev 105.2

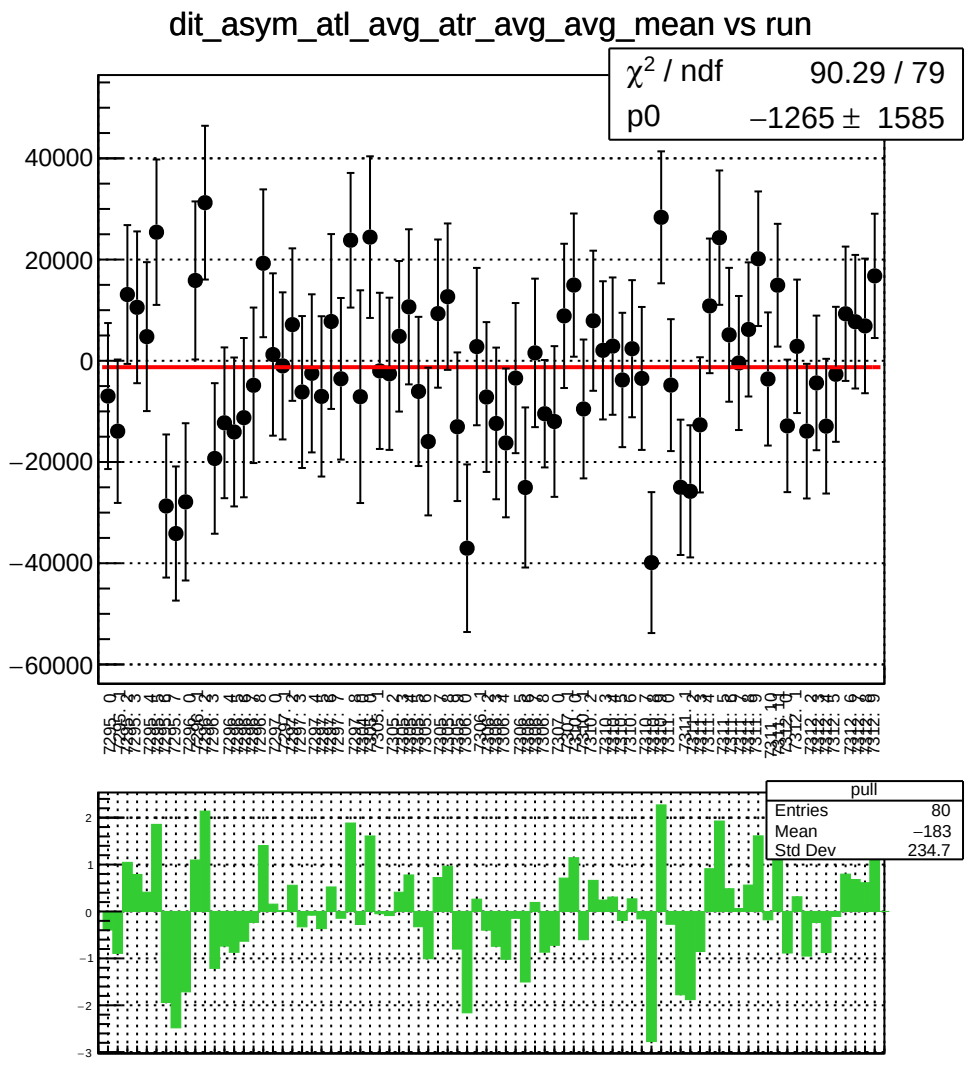

pull1D
Entries 80
Mean 0.01152
Std Dev 0.8855

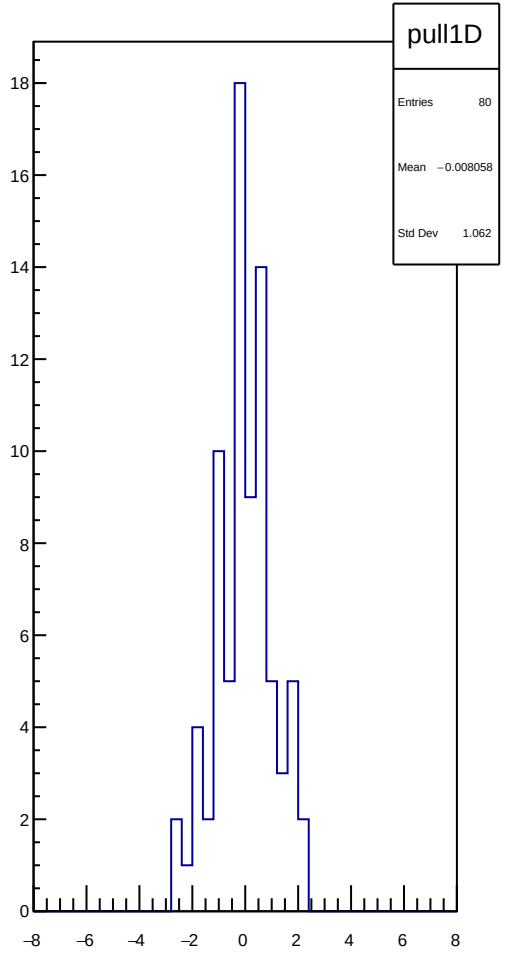

asym_atr_dd_correction_rms vs run
χ² / ndf 2.942e+04 / 79
p0 5143 ± 4.286
11000
10000
9000
8000
7000
6000
5000
4000

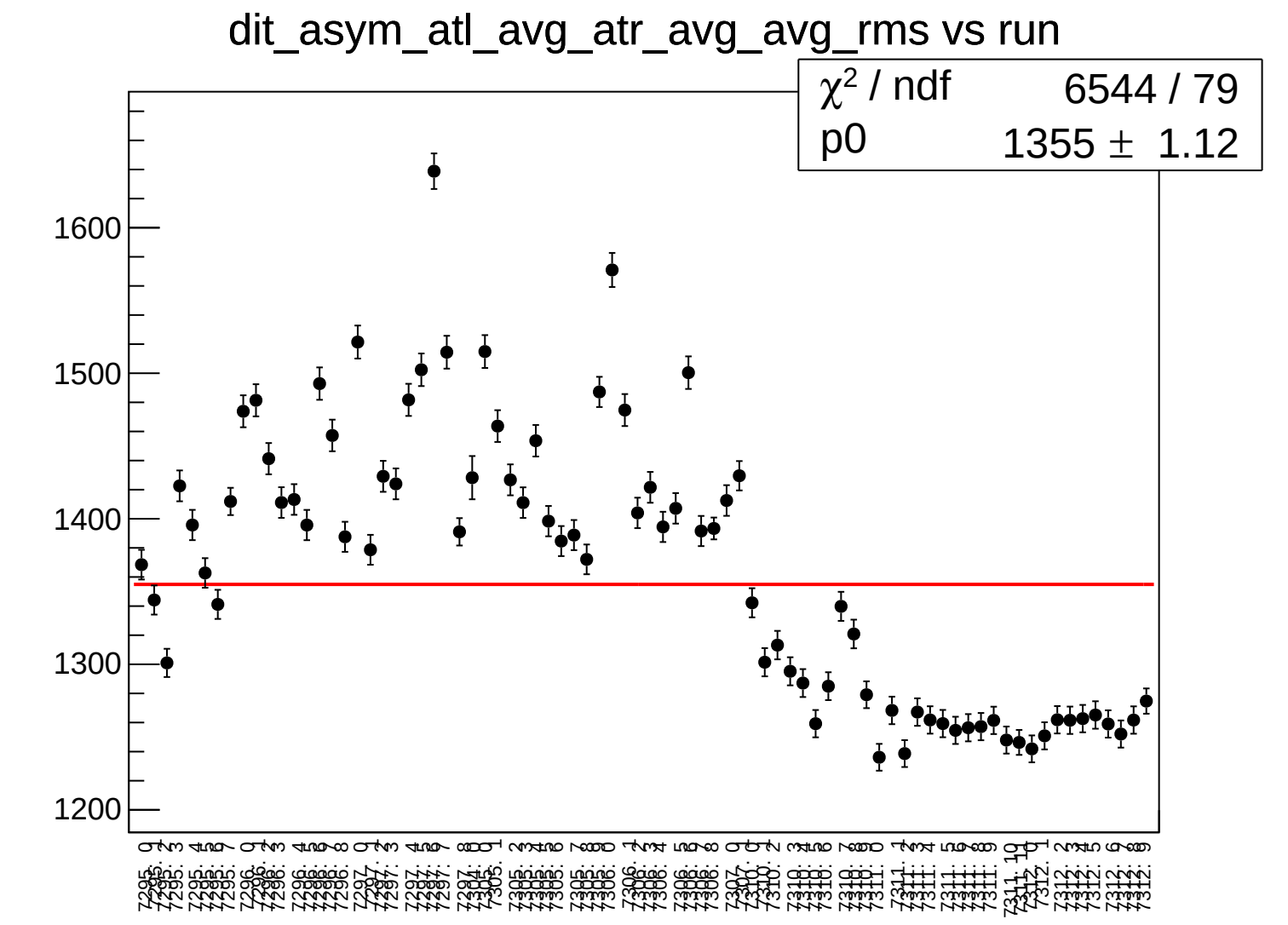

asym_atr_dd_mean vs run
×10^3
χ² / ndf 65.97 / 79
p0 1154 ± 6424
pull
Entries 80
Mean 116.9
Std Dev 89.86

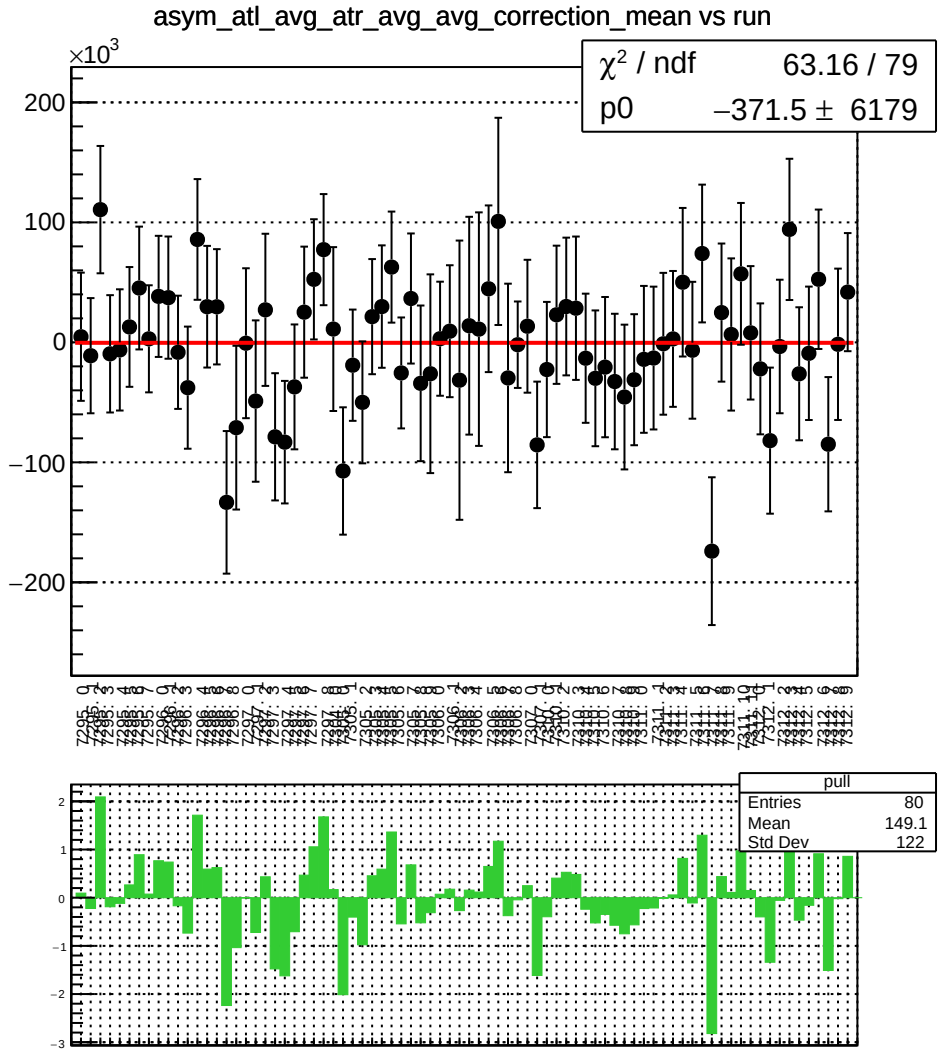

pull1D
Entries 80
Mean −0.01178
Std Dev 0.908

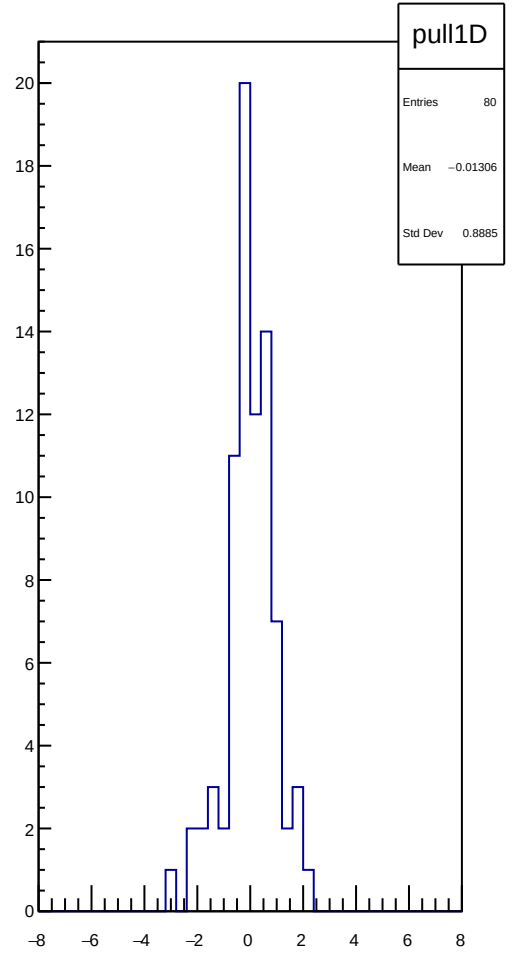

asym_atr_dd_rms vs run
χ^2 / ndf 2.592e+04 / 79
p0 5457 ± 4.543
11000
10000
9000
8000
7000
6000
5000
4000

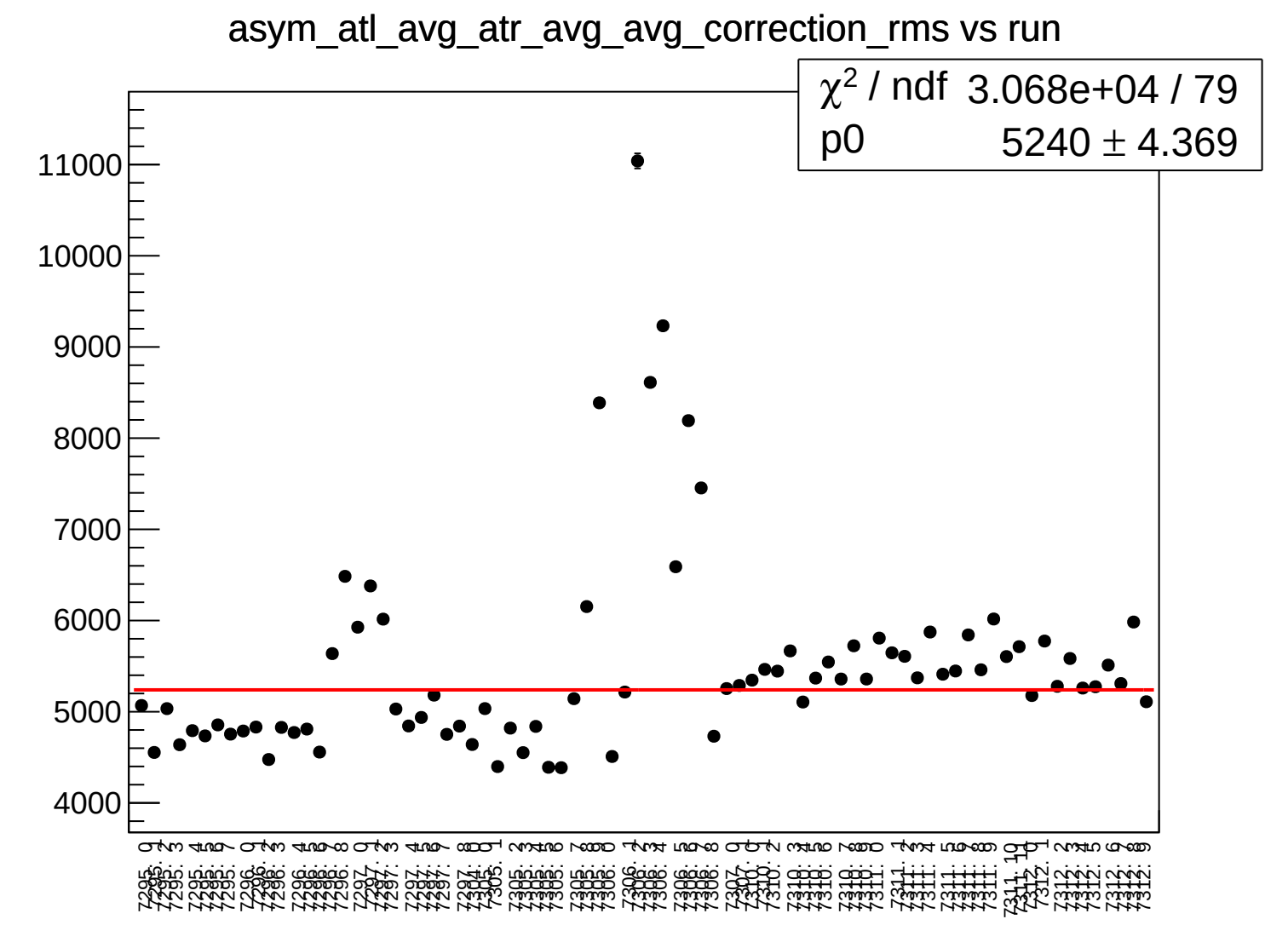

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 90.29 / 79
p0 −1265 ± 1585
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −183
Std Dev 234.7
2
1
0
−1
−2
−3

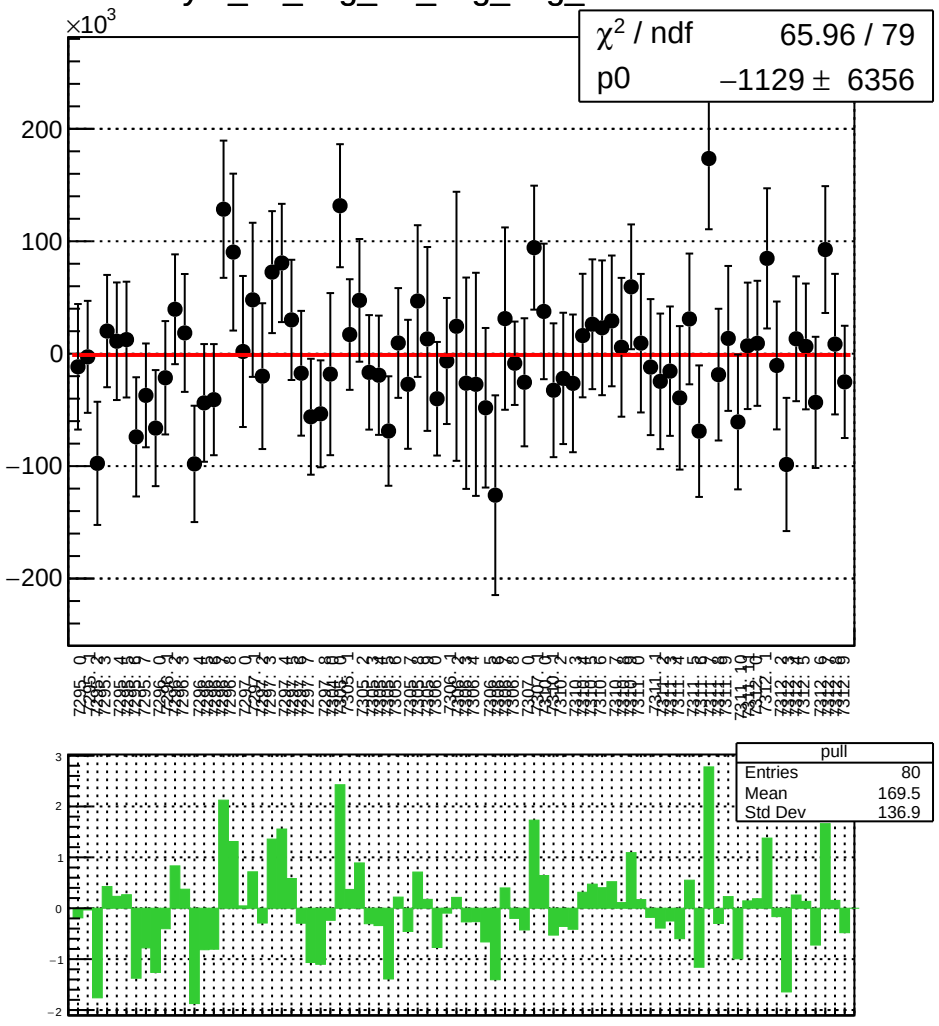

pull1D
Entries 80
Mean −0.008058
Std Dev 1.062
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

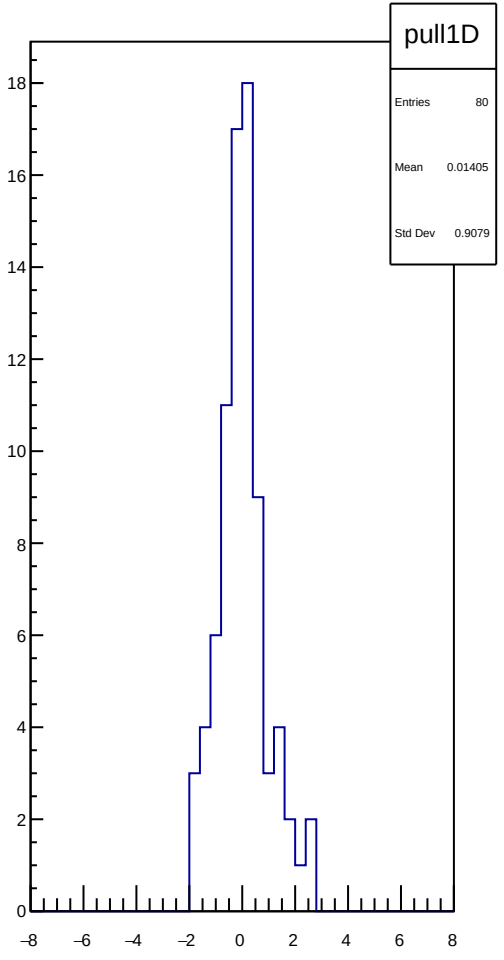

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 6544 / 79
p0 1355 ± 1.12
1600
1500
1400
1300
1200

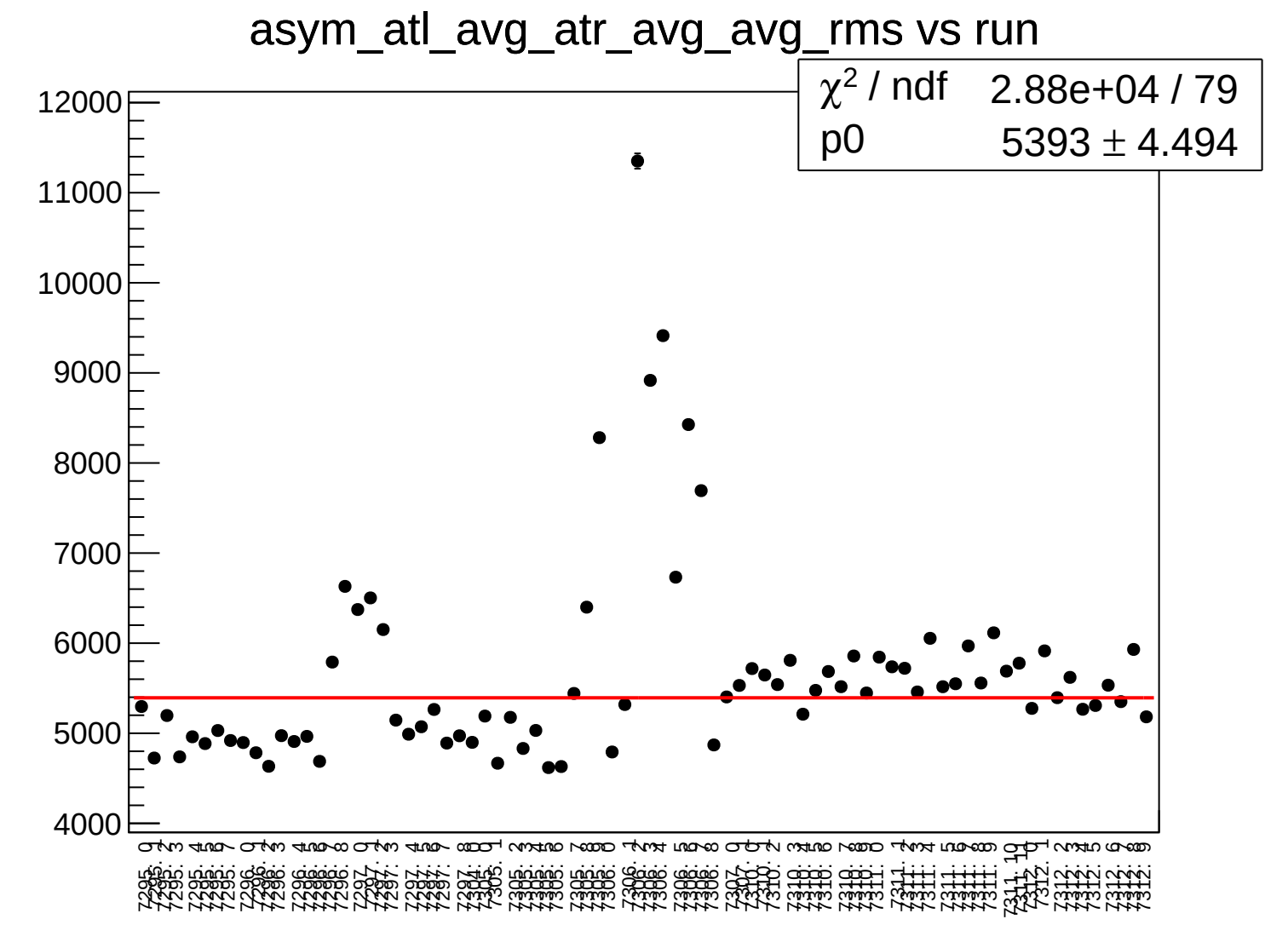

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 63.16 / 79
p0 −371.5 ± 6179
200
100
0
−100
−200
pull
Entries 80
Mean 149.1
Std Dev 122
2
1
0
−1
−2
−3

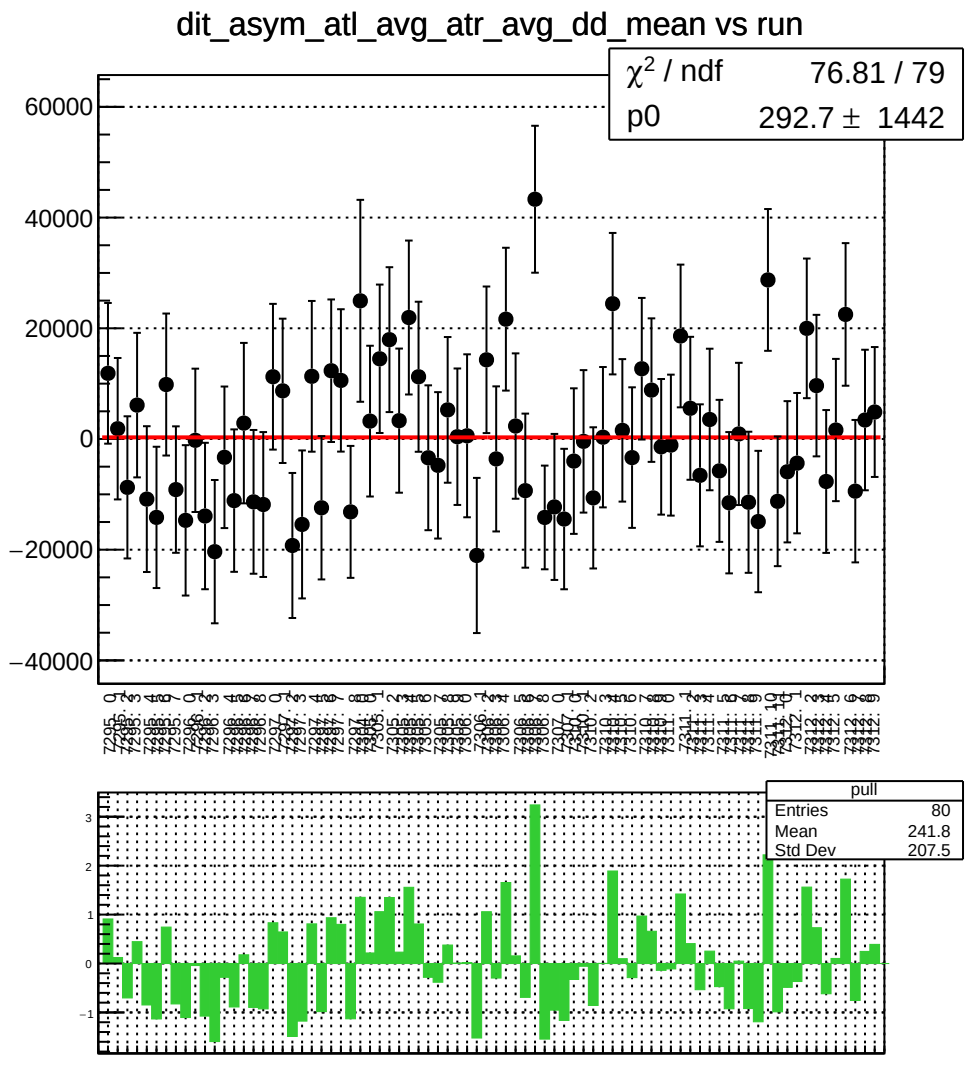

pull1D
Entries 80
Mean −0.01306
Std Dev 0.8885
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

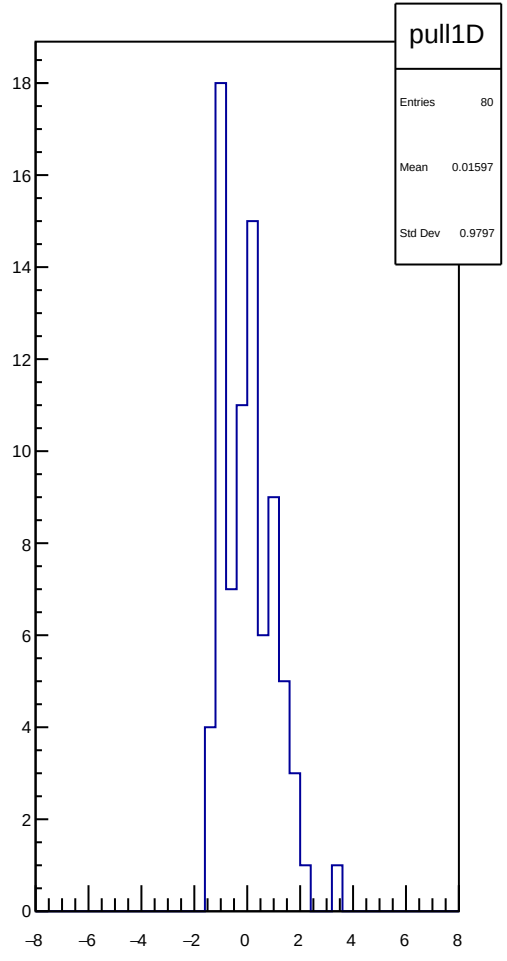

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 3.068e+04 / 79
p0 5240 ± 4.369
11000
10000
9000
8000
7000
6000
5000
4000

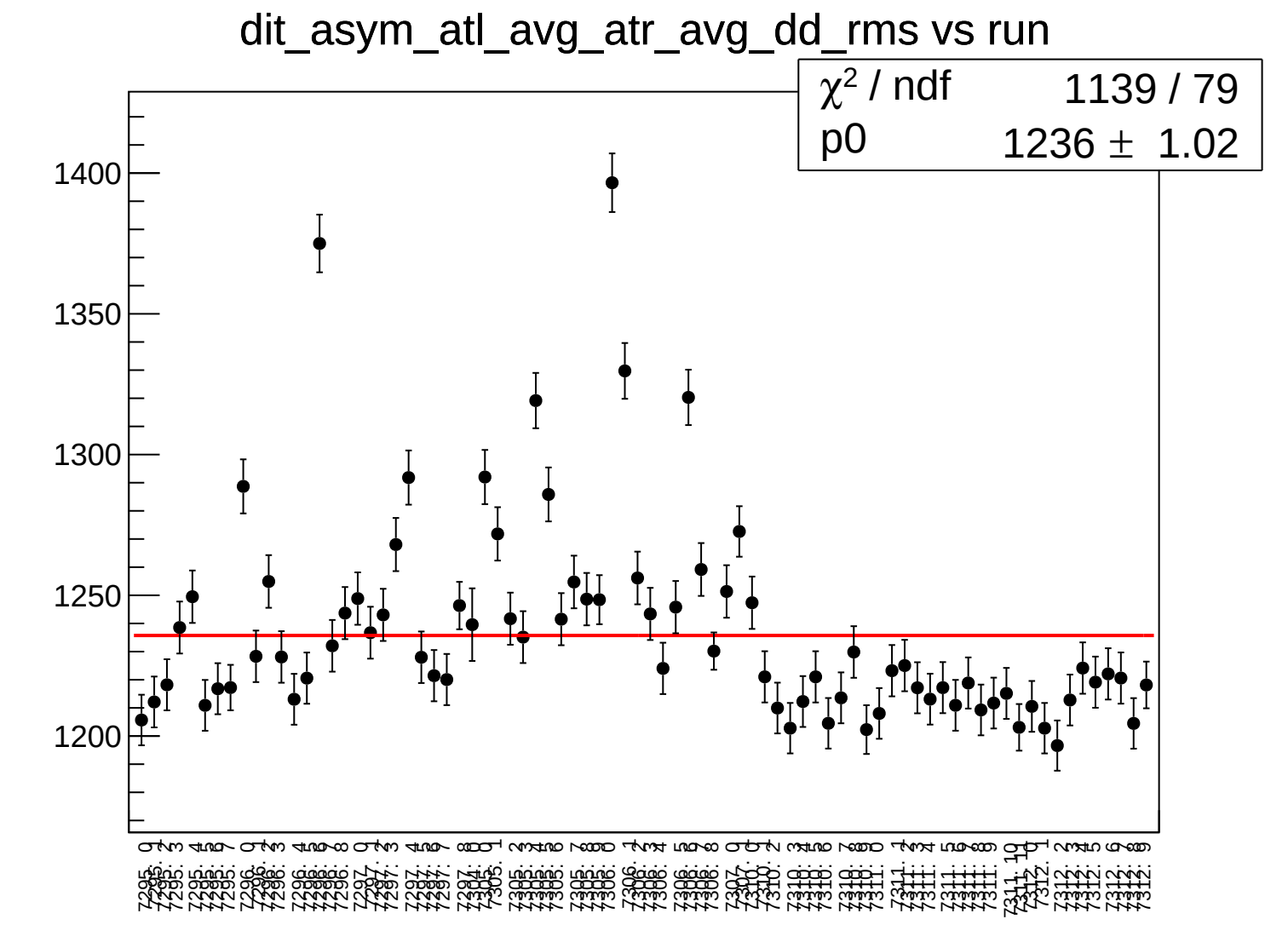

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 65.96 / 79
p0 −1129 ± 6356
200
100
0
−100
−200
pull
Entries 80
Mean 169.5
Std Dev 136.9
3
2
1
0
−1
−2

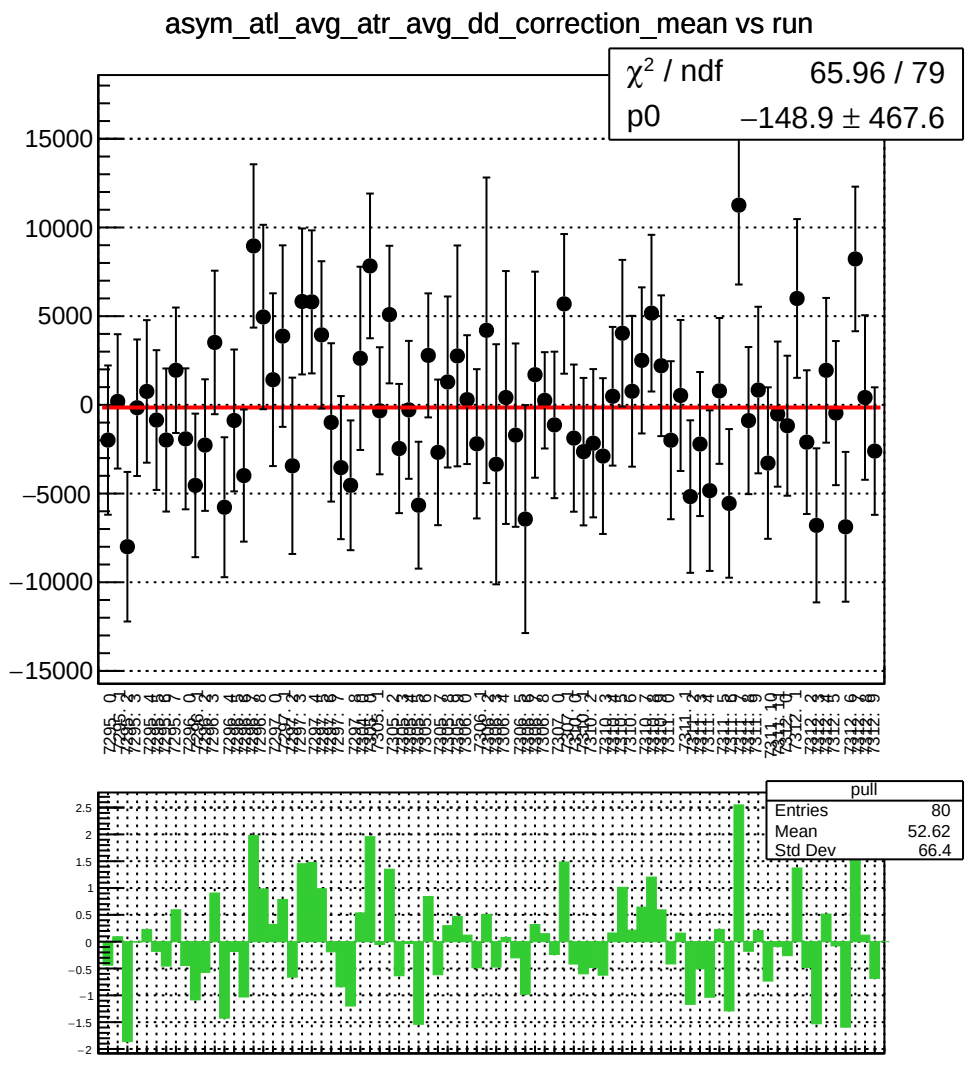

pull1D
Entries 80
Mean 0.01405
Std Dev 0.9079
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

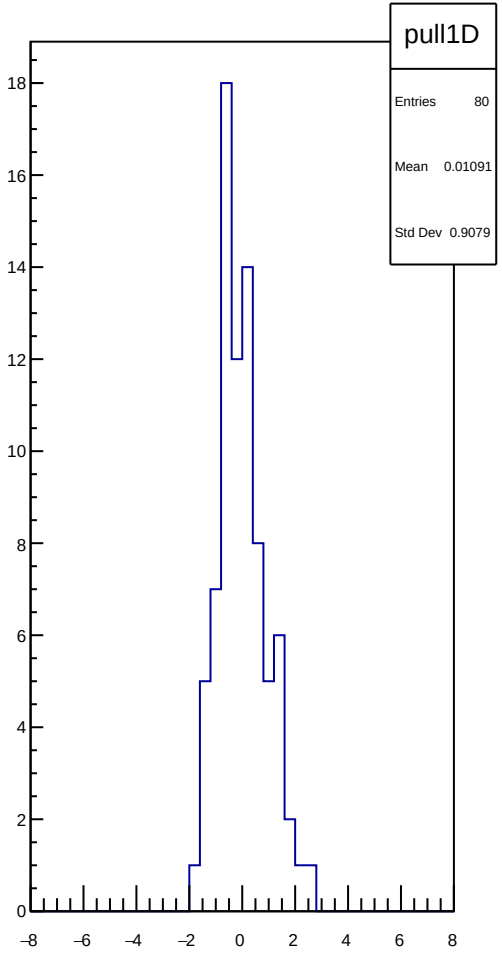

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.88e+04 / 79
p0 5393 ± 4.494
12000
11000
10000
9000
8000
7000
6000
5000
4000

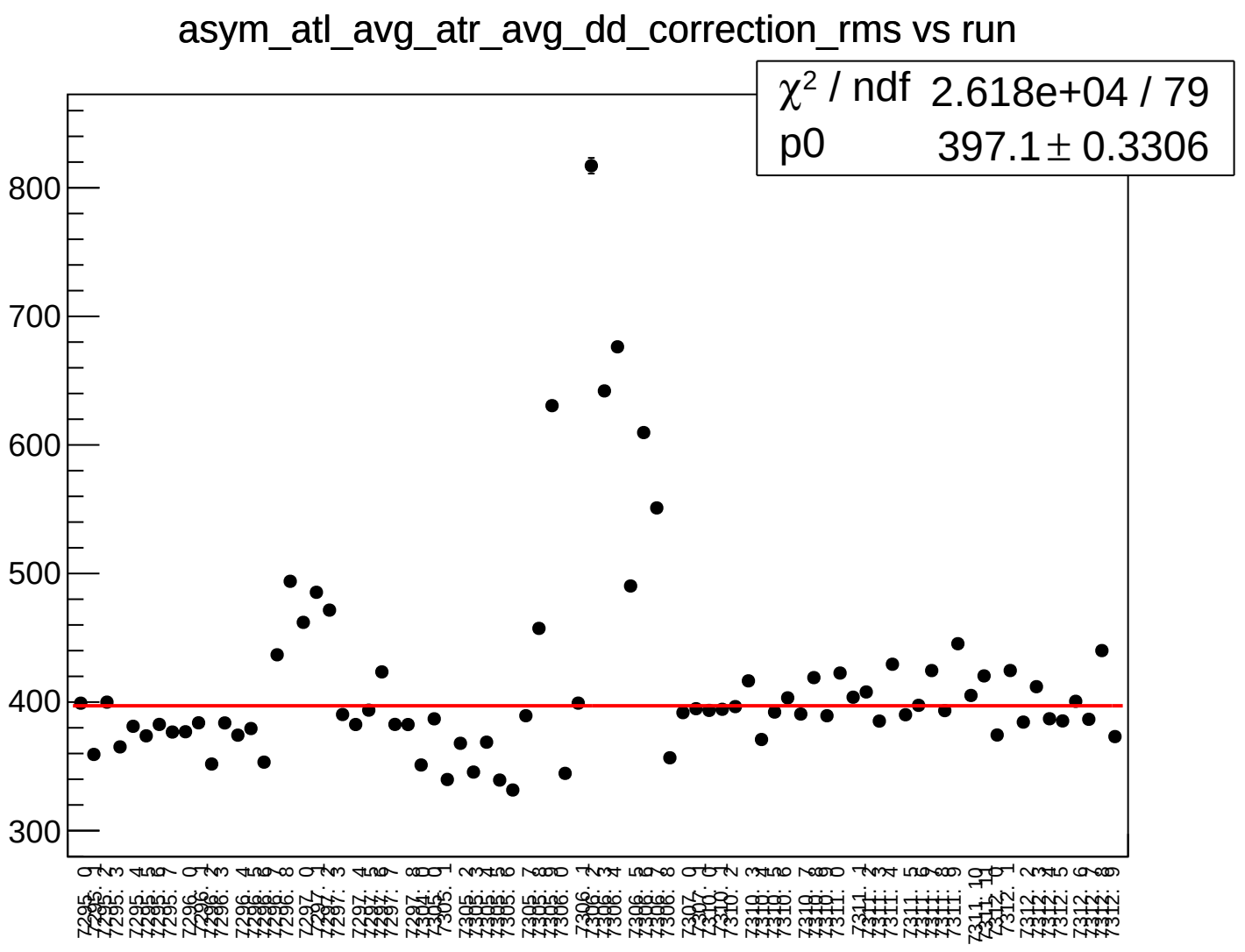

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.81 / 79
p0 292.7 ± 1442
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 241.8
Std Dev 207.5
3
2
1
0
−1

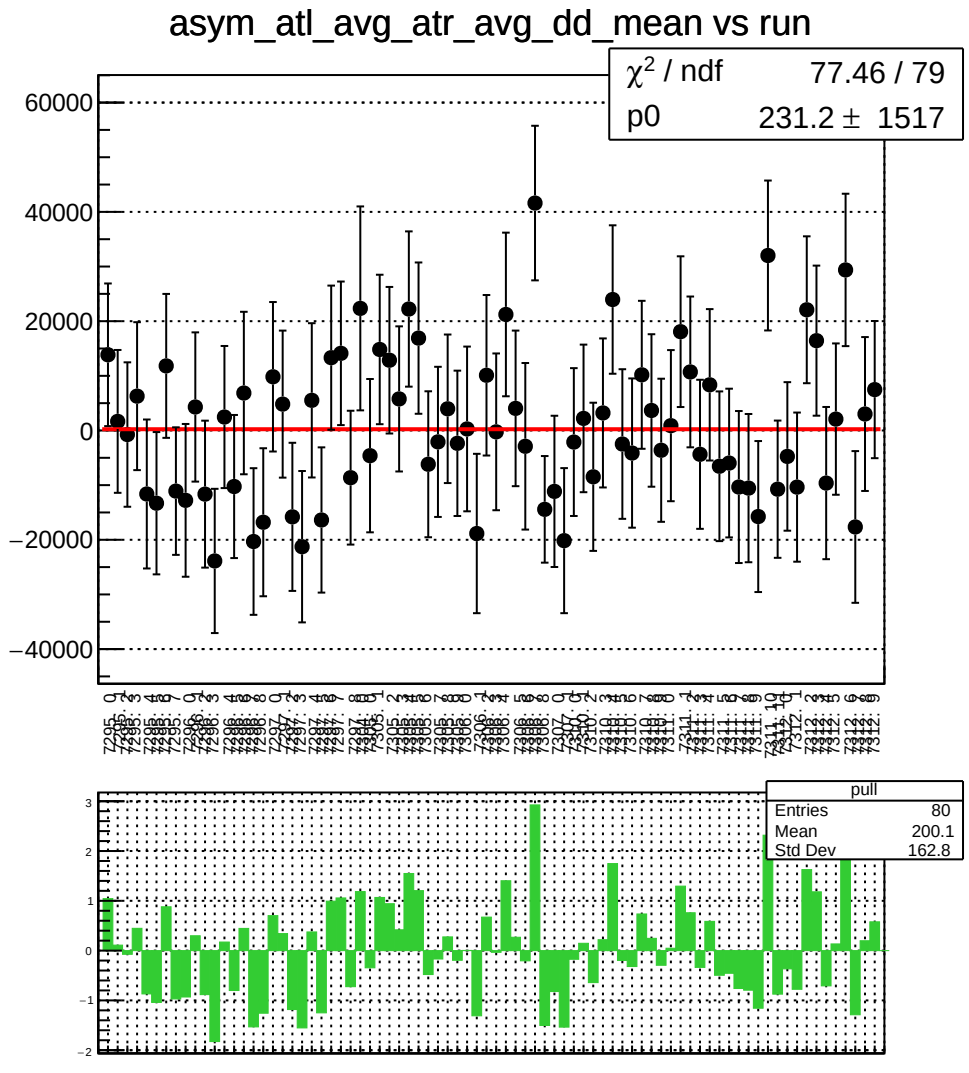

pull1D
Entries 80
Mean 0.01597
Std Dev 0.9797
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

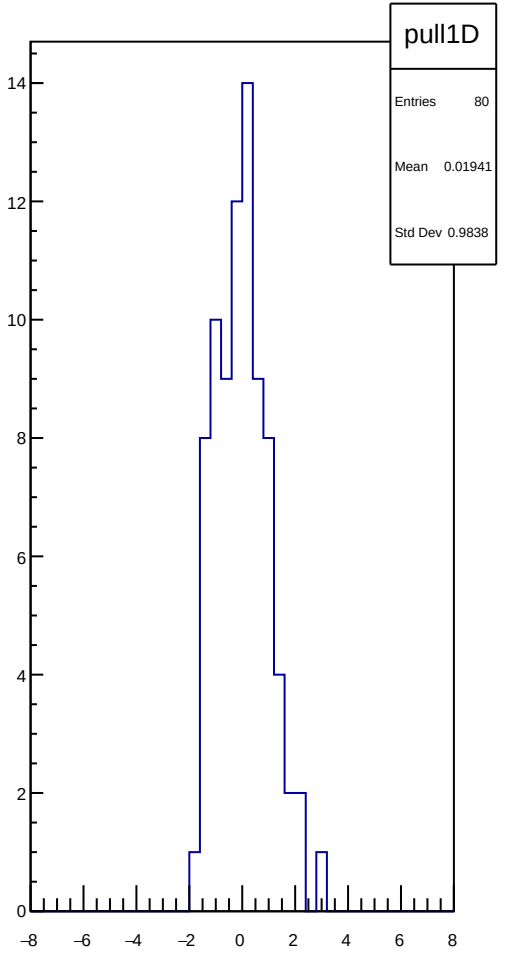

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1139 / 79
p0 1236 ± 1.02
1400
1350
1300
1250
1200

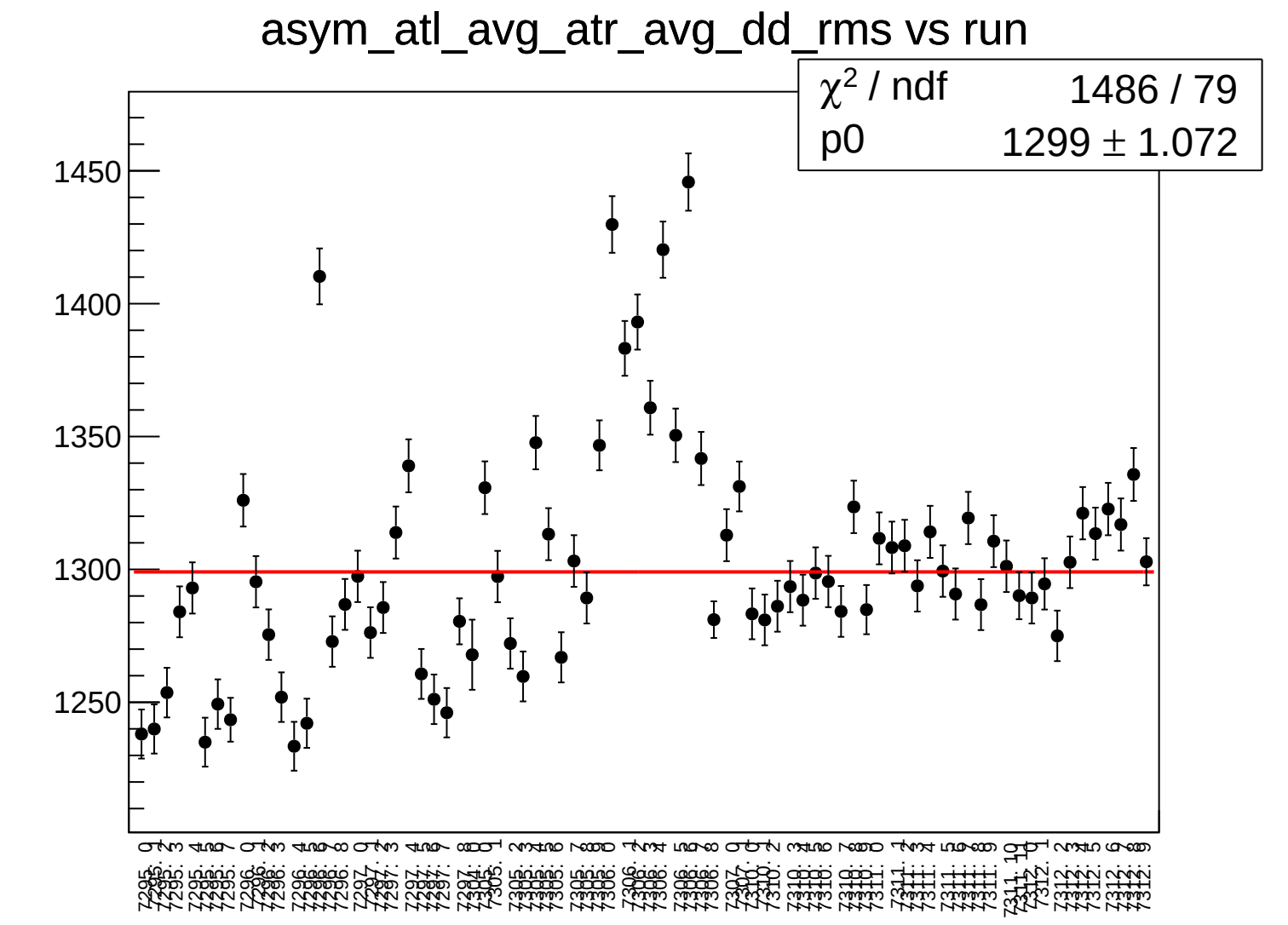

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 65.96 / 79
p0 −148.9 ± 467.6
pull
Entries 80
Mean 52.62
Std Dev 66.4

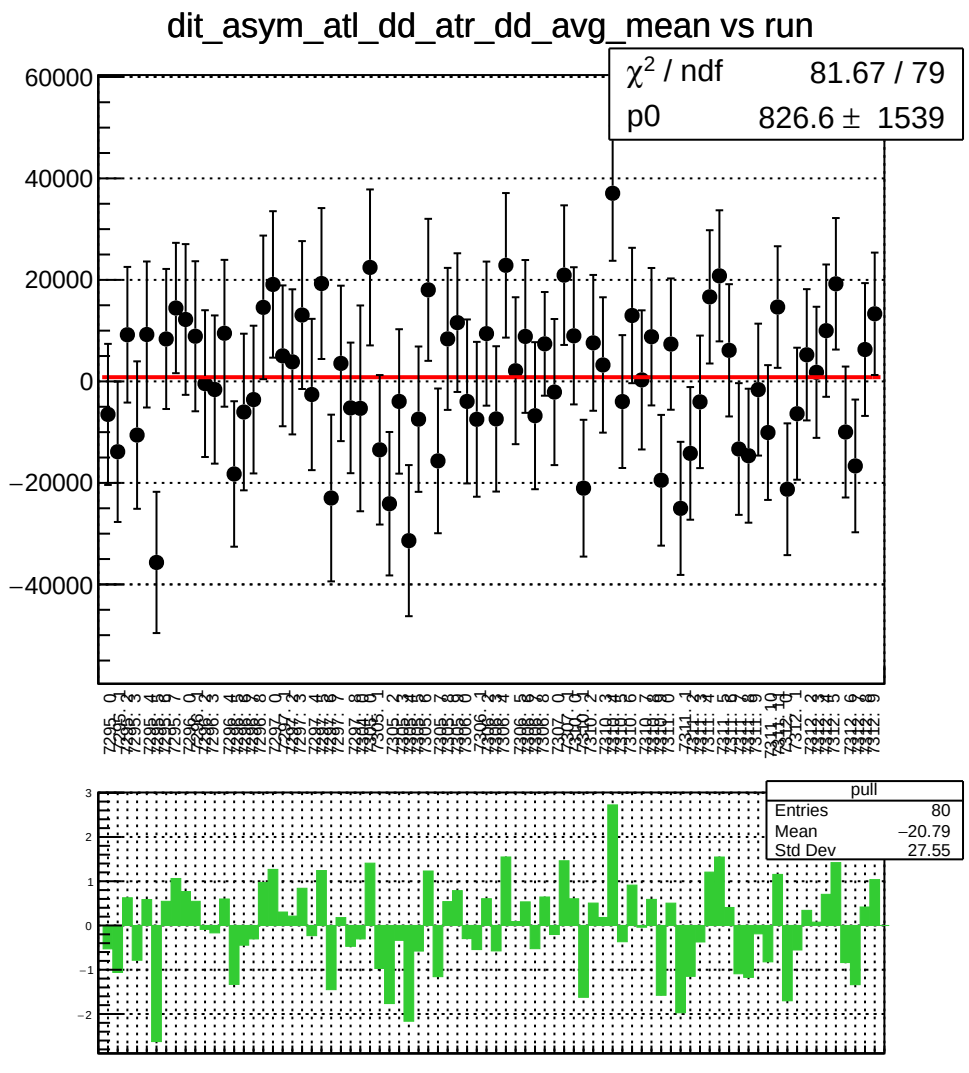

pull1D
Entries 80
Mean 0.01091
Std Dev 0.9079

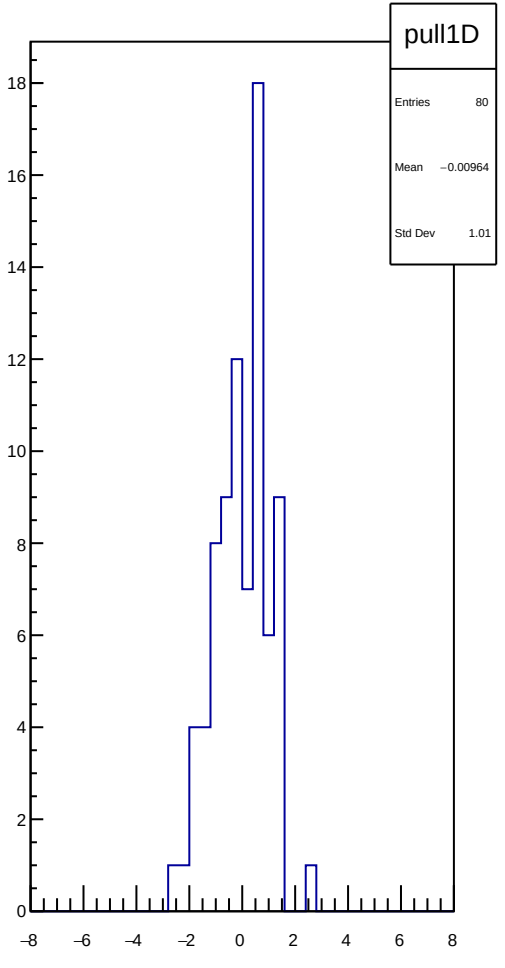

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.618e+04 / 79
p0 397.1 ± 0.3306
800
700
600
500
400
300

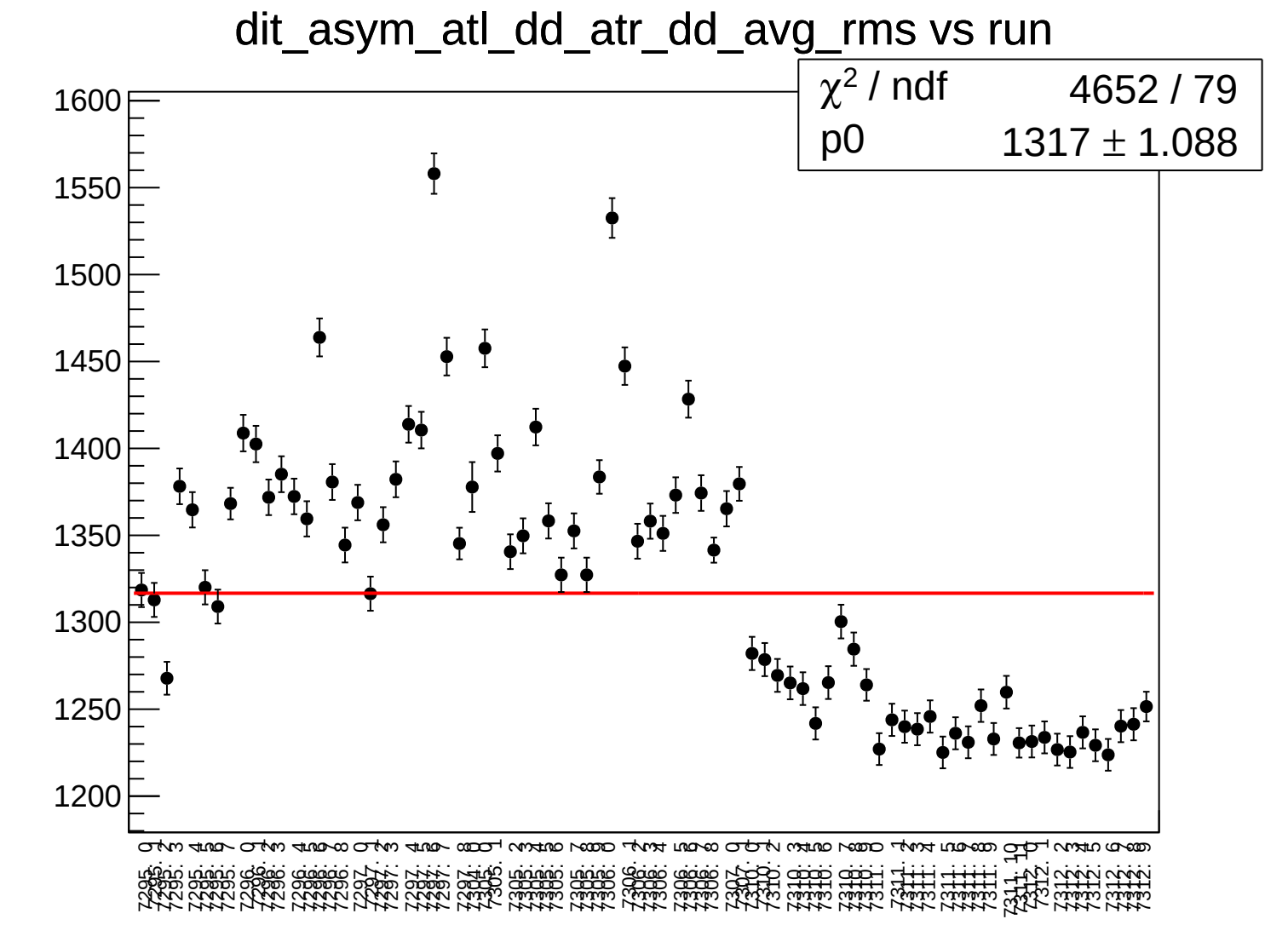

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.46 / 79
p0 231.2 ± 1517
pull
Entries 80
Mean 200.1
Std Dev 162.8

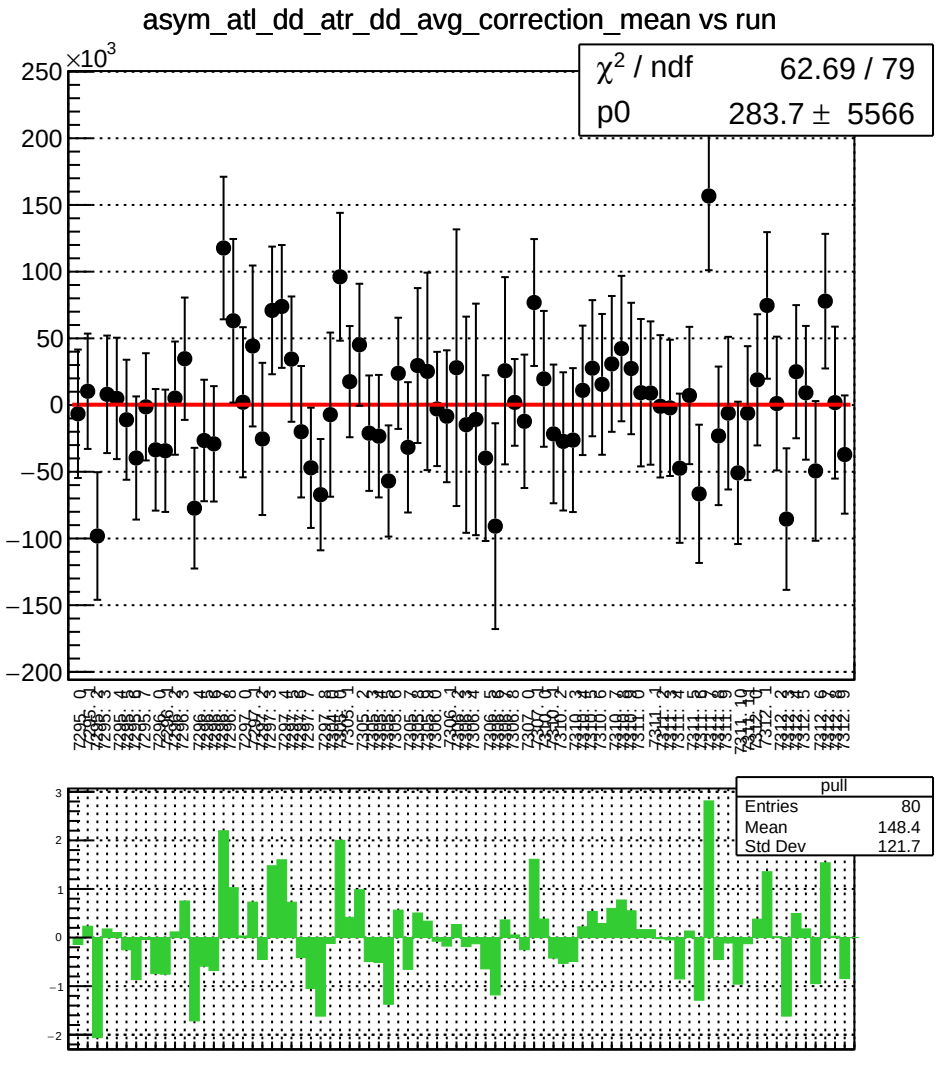

pull1D
Entries 80
Mean 0.01941
Std Dev 0.9838

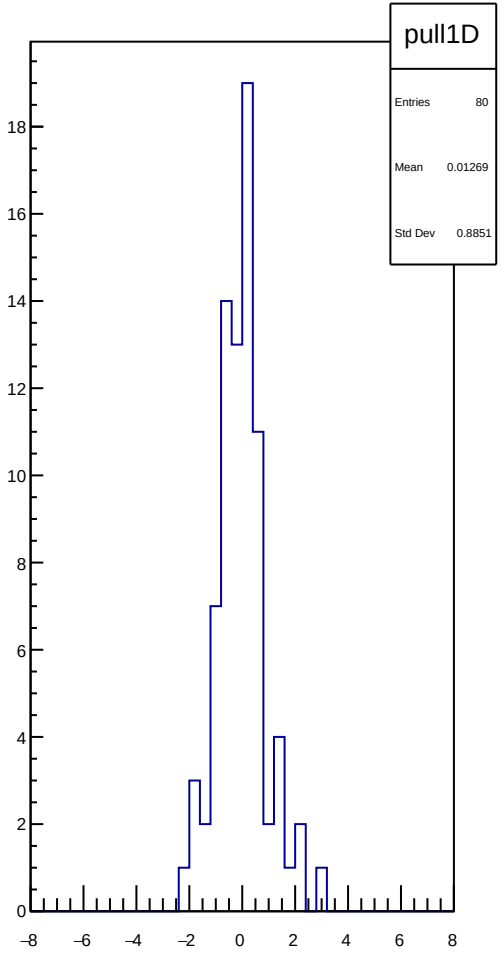

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1486 / 79
p0 1299 ± 1.072
1450
1400
1350
1300
1250

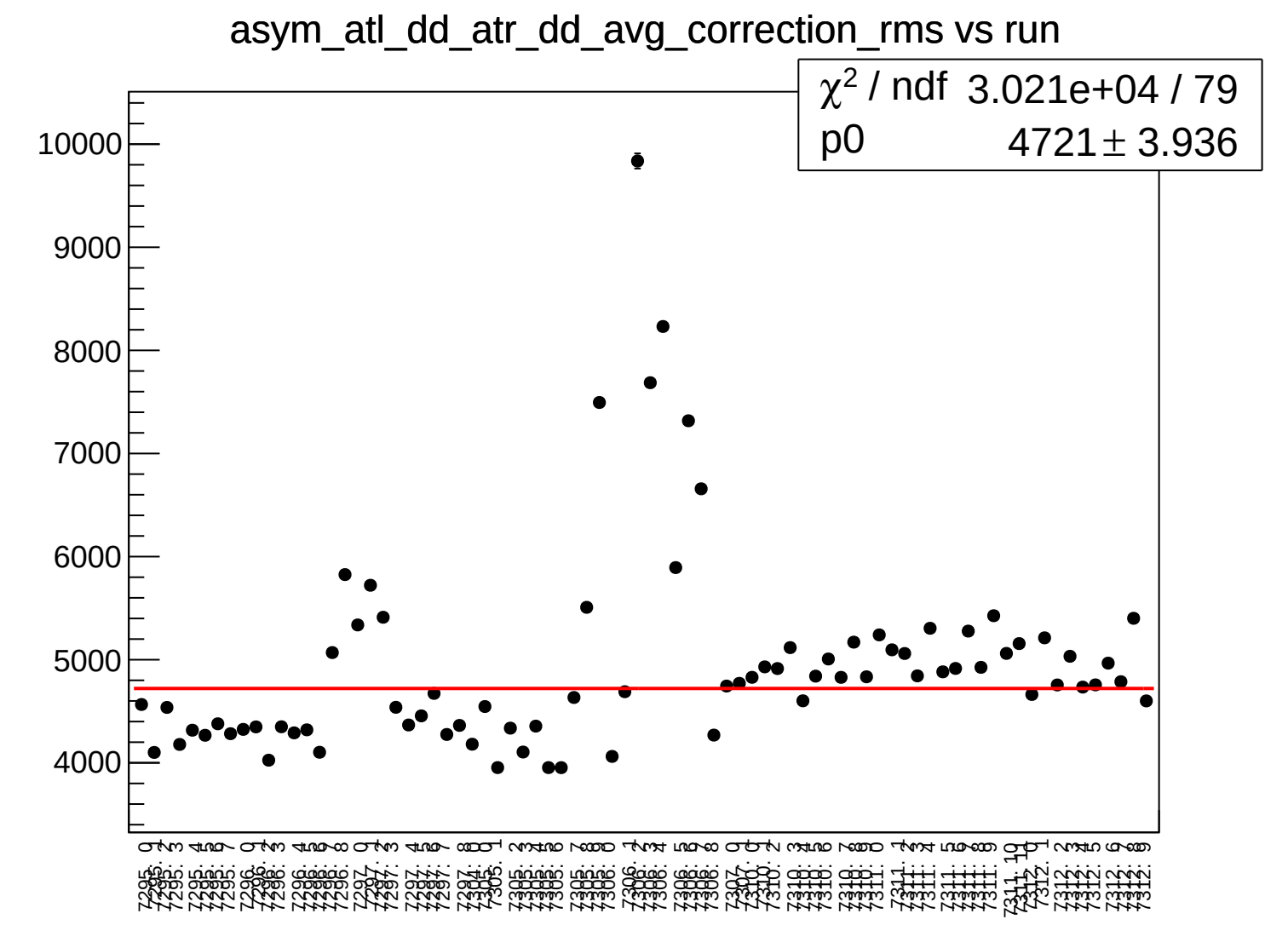

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 81.67 / 79
p0 826.6 ± 1539
pull
Entries 80
Mean −20.79
Std Dev 27.55

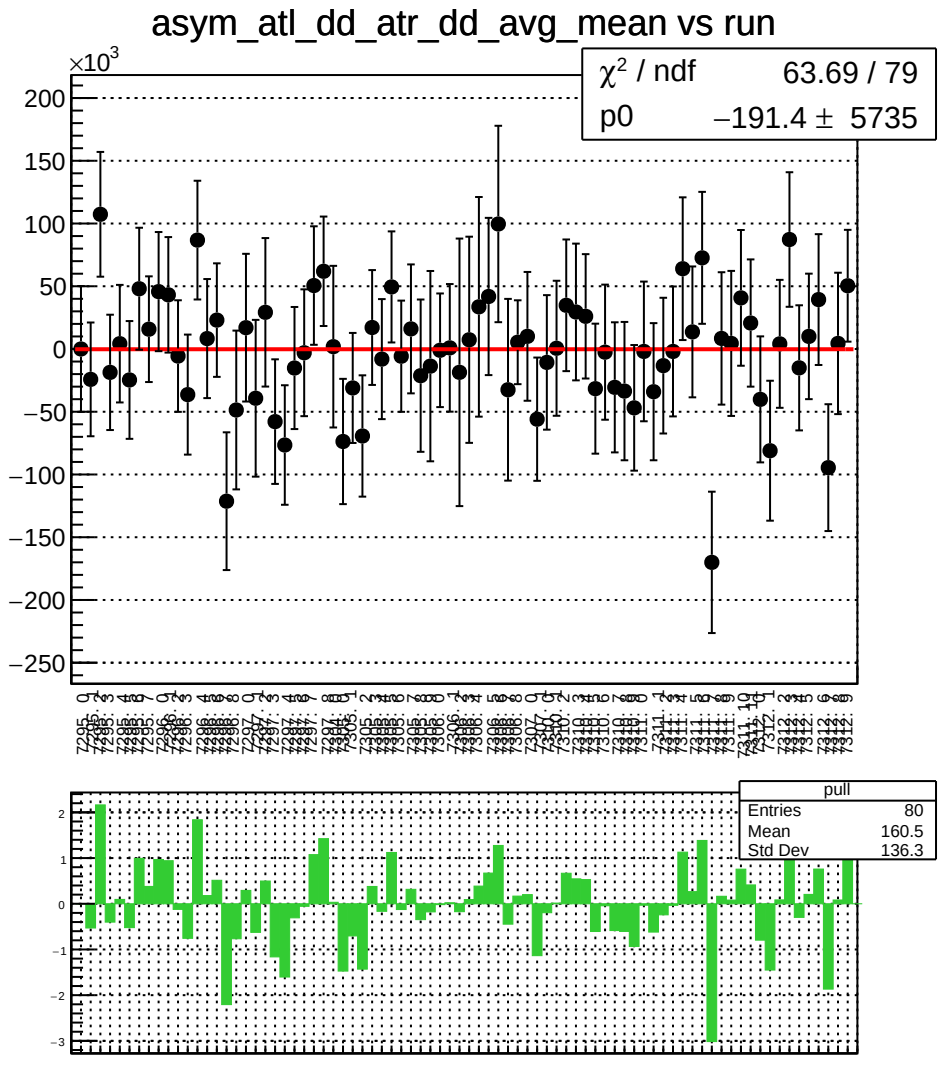

pull1D
Entries 80
Mean −0.00964
Std Dev 1.01

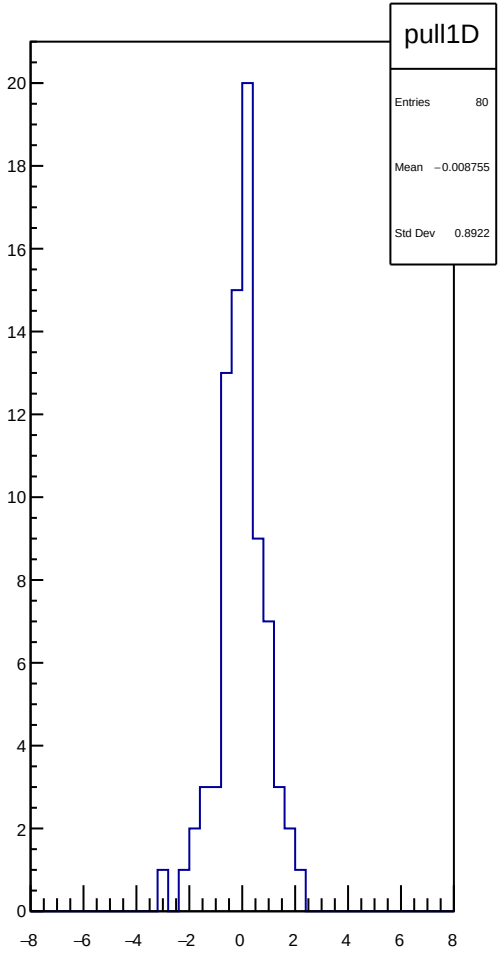

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4652 / 79
p0 1317 ± 1.088
1600
1550
1500
1450
1400
1350
1300
1250
1200

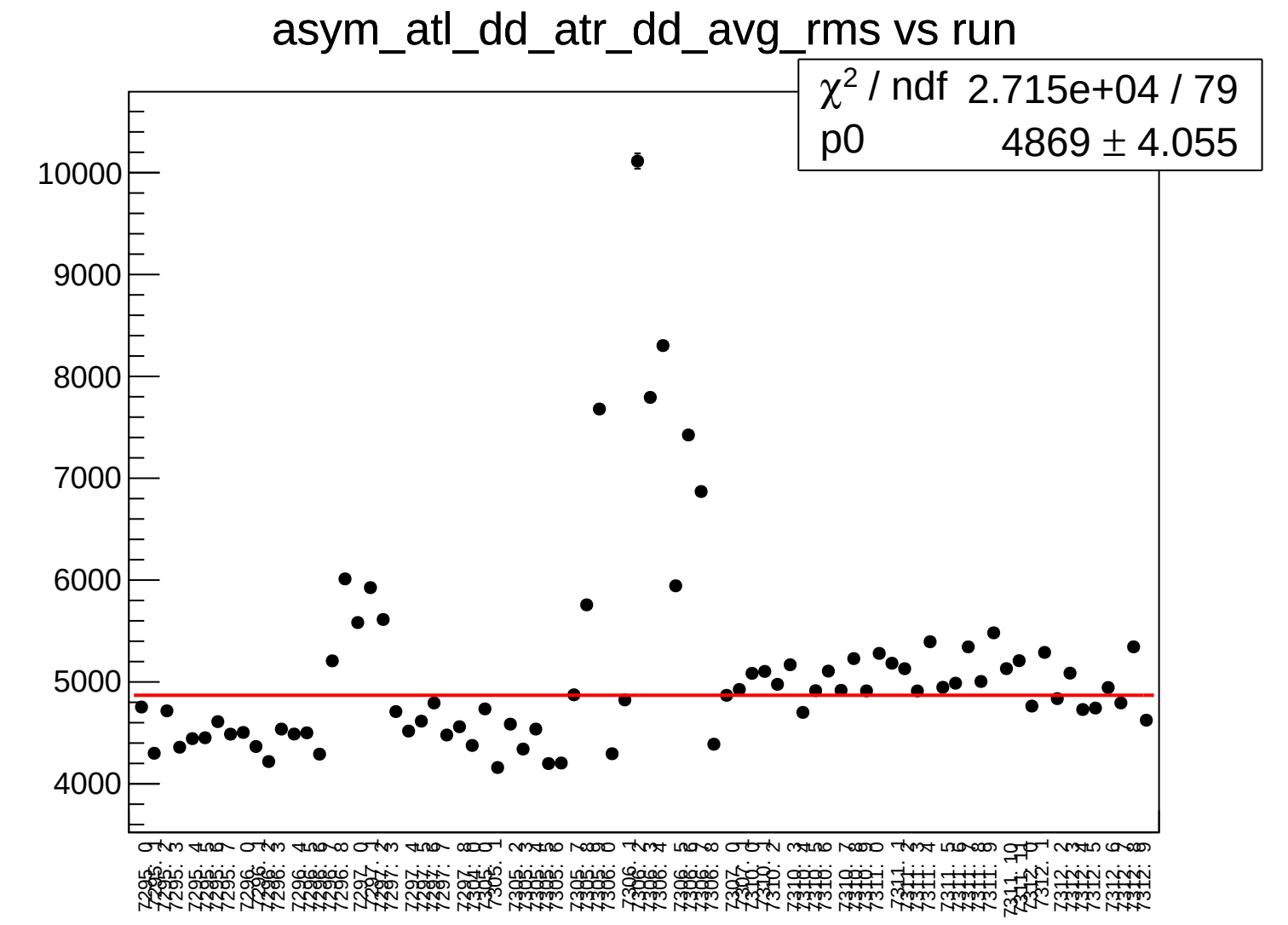

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 62.69 / 79
p0 283.7 ± 5566
pull
Entries 80
Mean 148.4
Std Dev 121.7

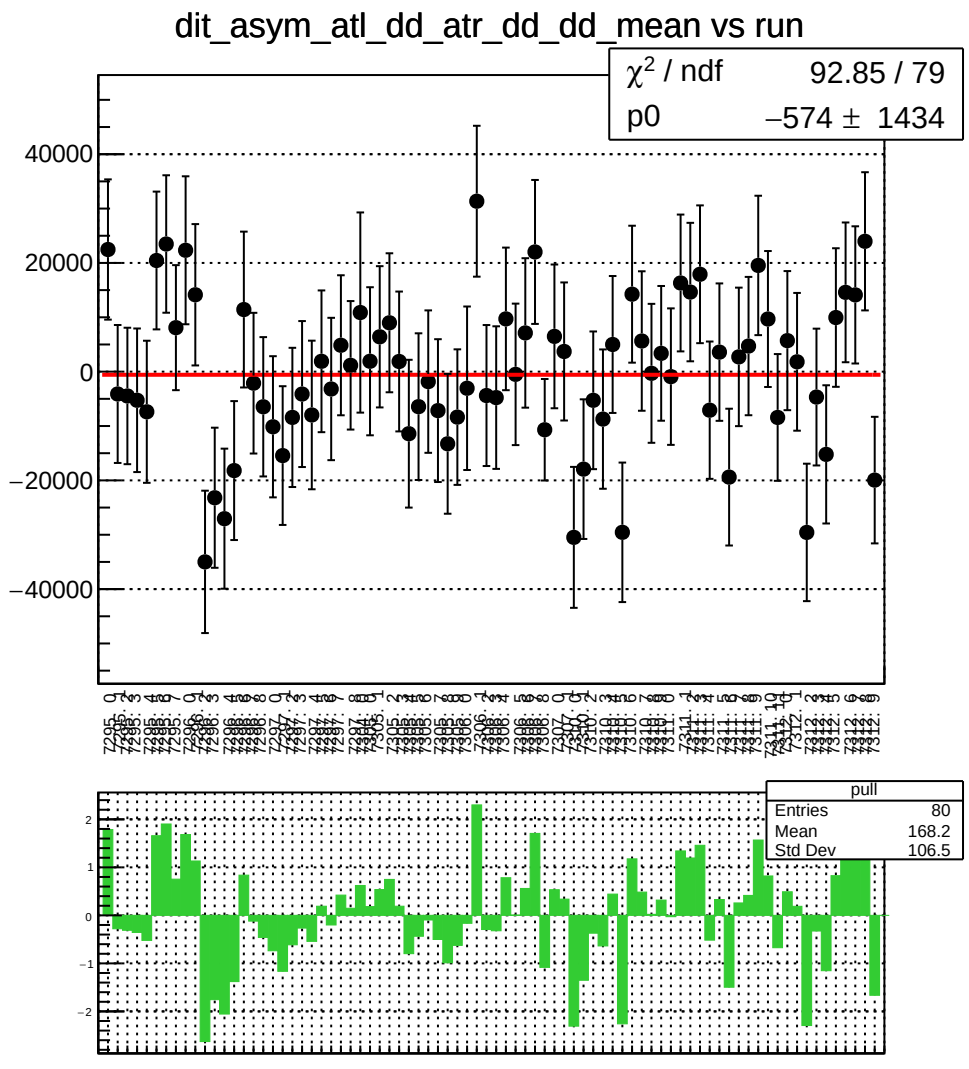

pull1D
Entries 80
Mean 0.01269
Std Dev 0.8851

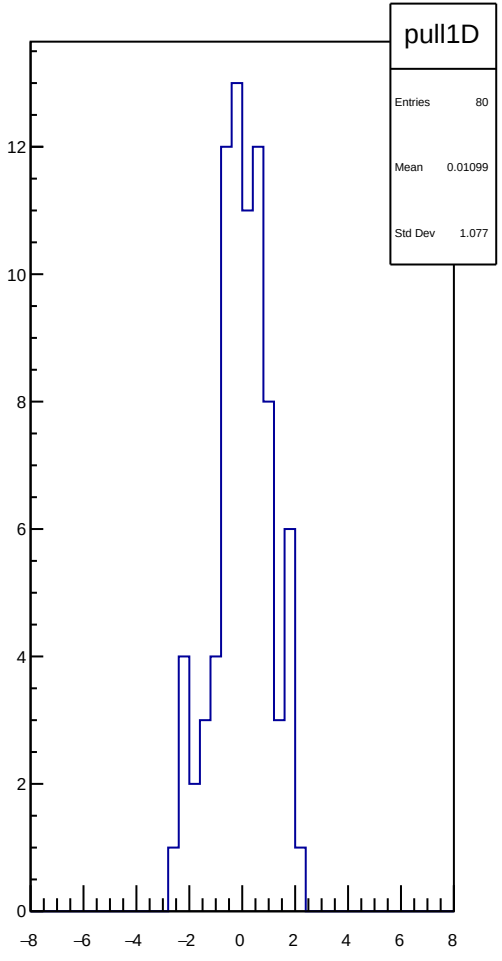

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.021e+04 / 79
p0 4721 ± 3.936
10000
9000
8000
7000
6000
5000
4000

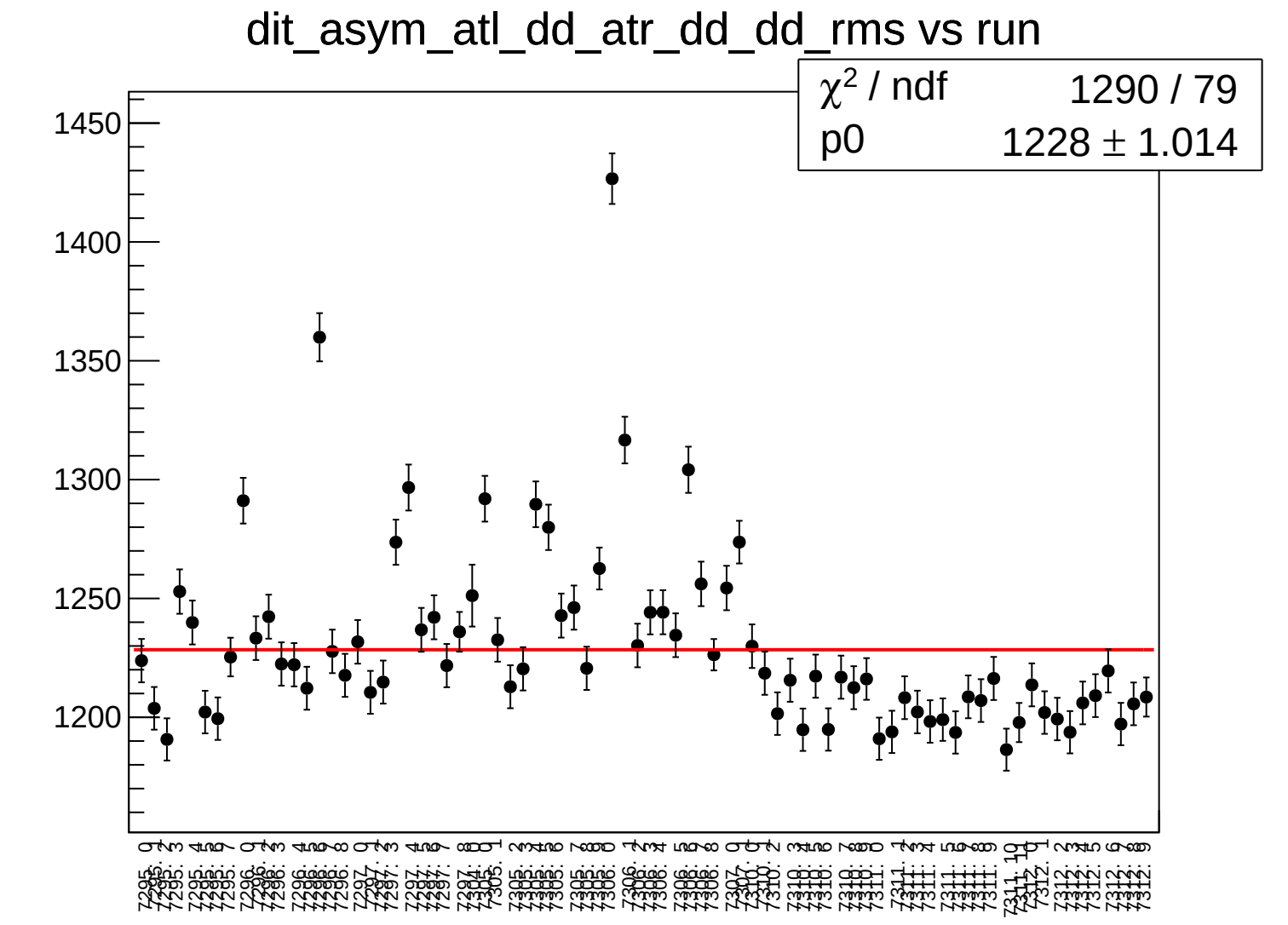

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 63.69 / 79
p0 −191.4 ± 5735
pull
Entries 80
Mean 160.5
Std Dev 136.3

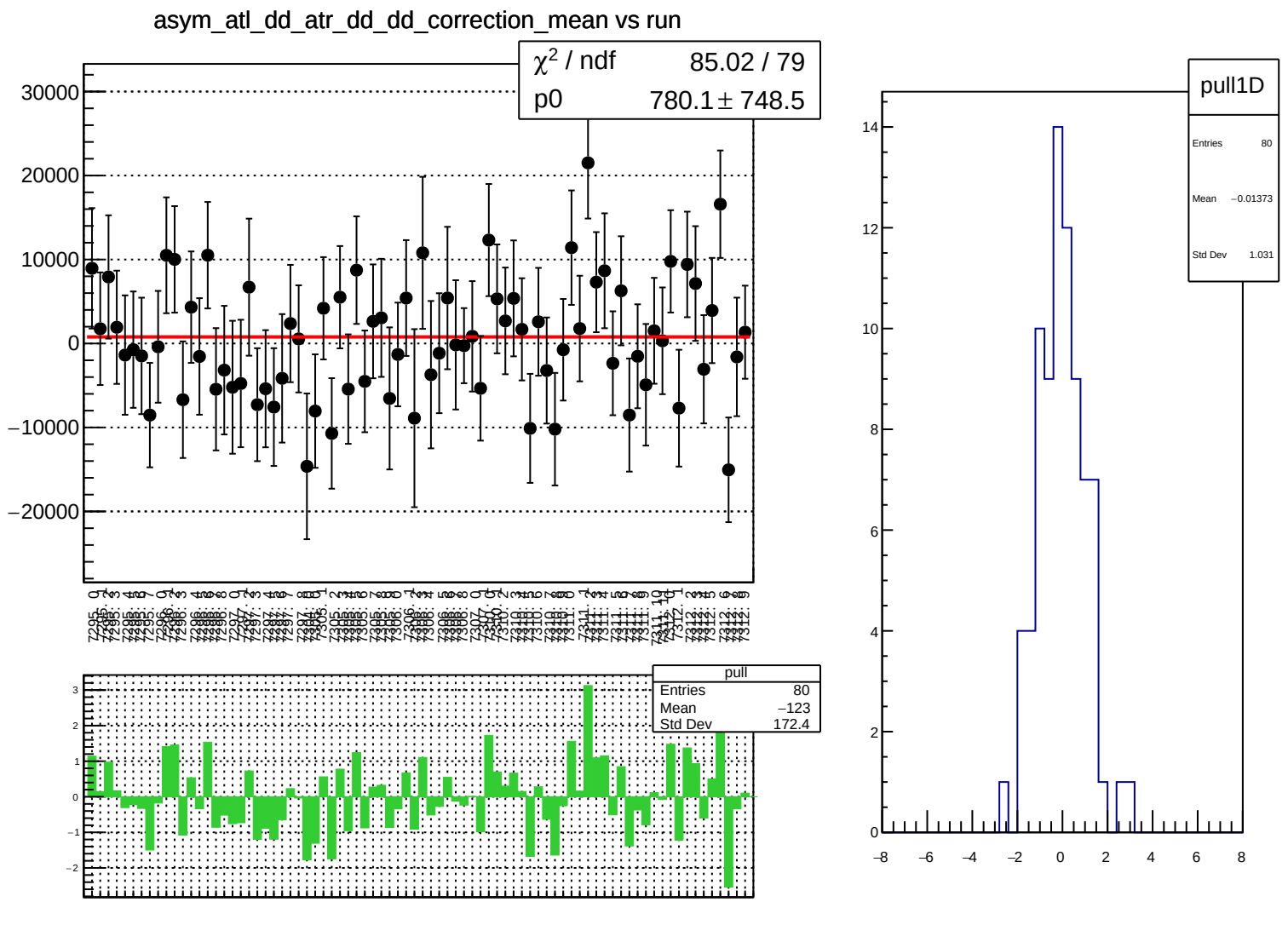

pull1D
Entries 80
Mean −0.008755
Std Dev 0.8922

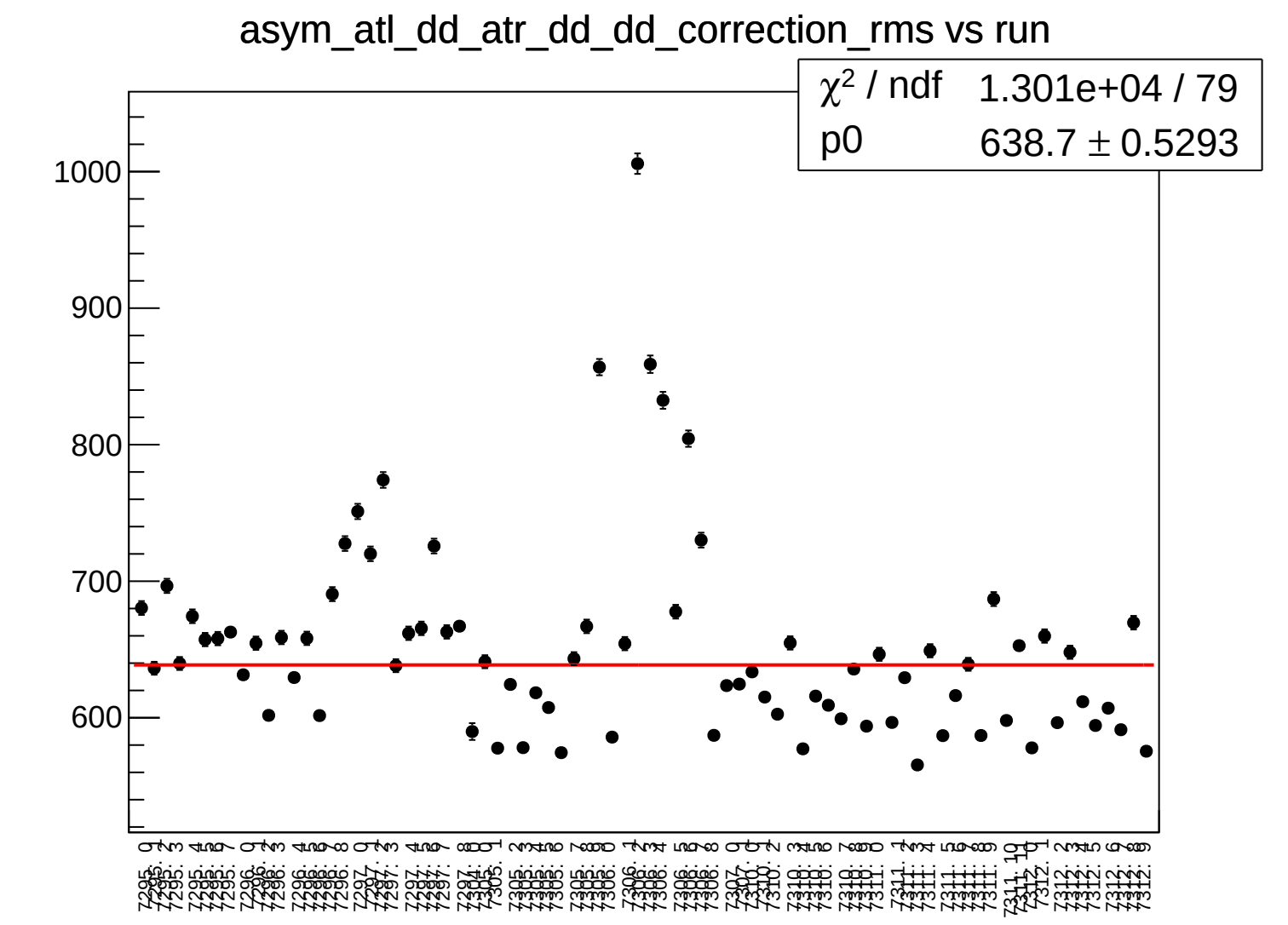

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2.715e+04 / 79
p0 4869 ± 4.055
10000
9000
8000
7000
6000
5000
4000

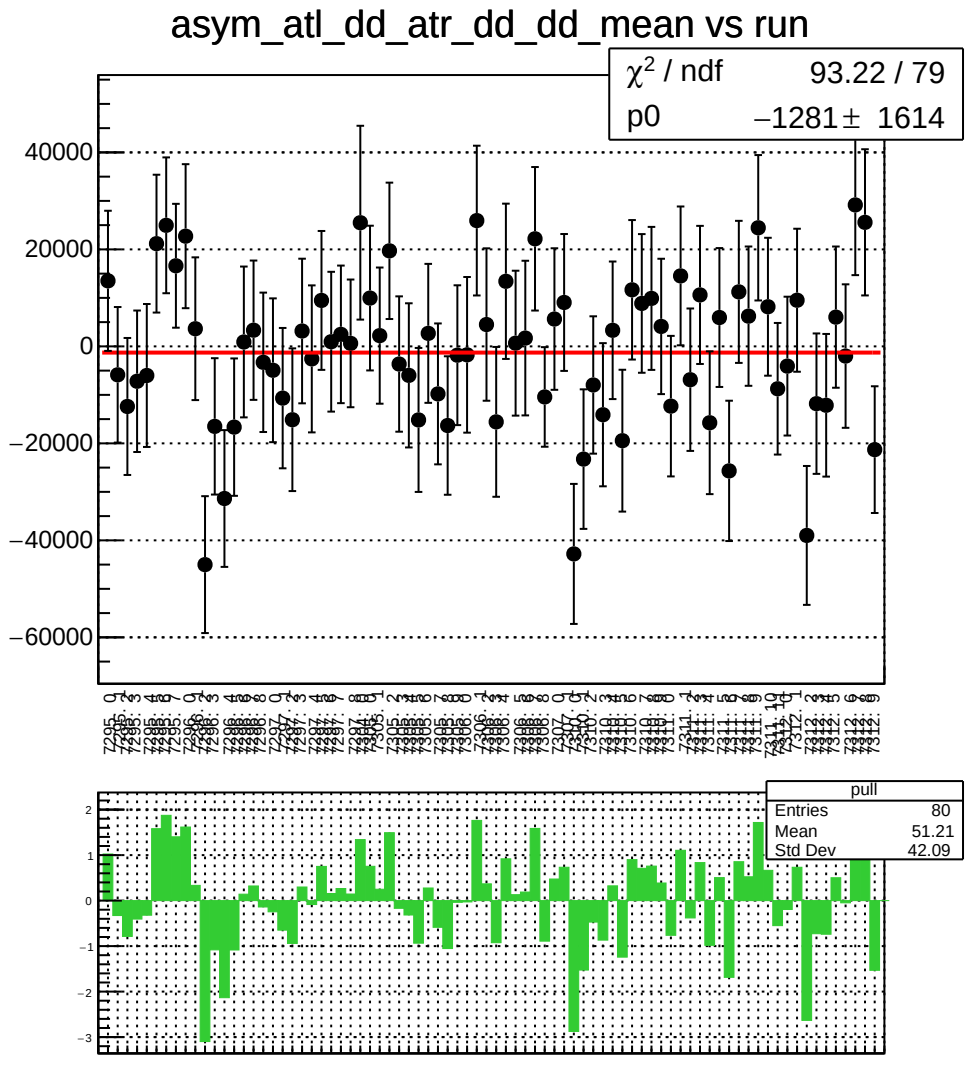

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 92.85 / 79
p0 −574 ± 1434
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 168.2
Std Dev 106.5
2
1
0
−1
−2

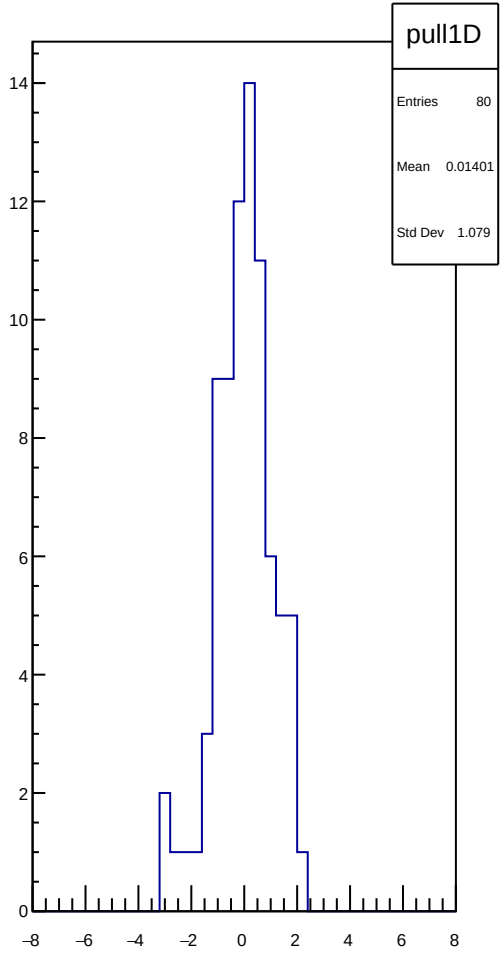

pull1D
Entries 80
Mean 0.01099
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

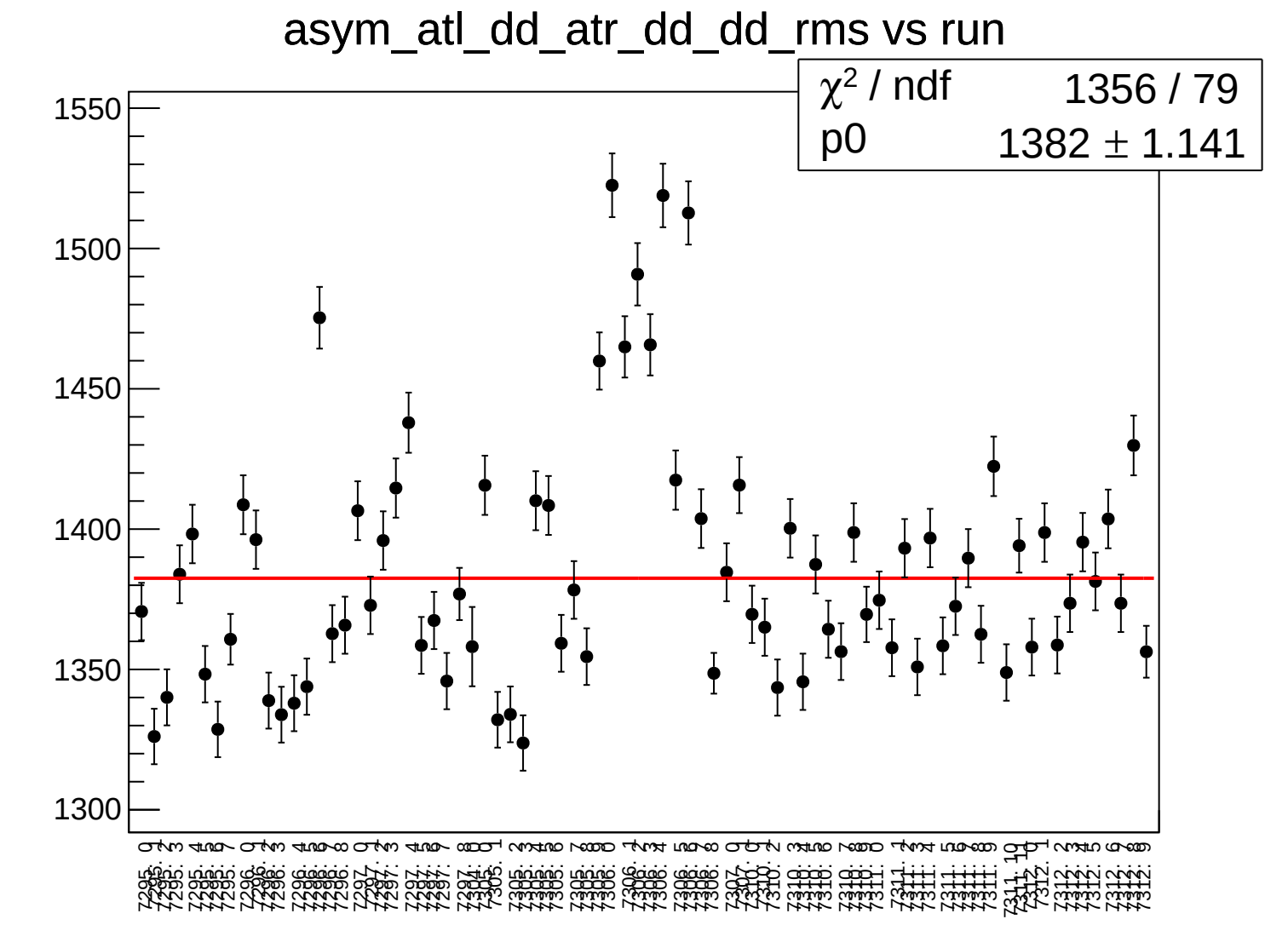

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1290 / 79
p0 1228 ± 1.014
1450
1400
1350
1300
1250
1200

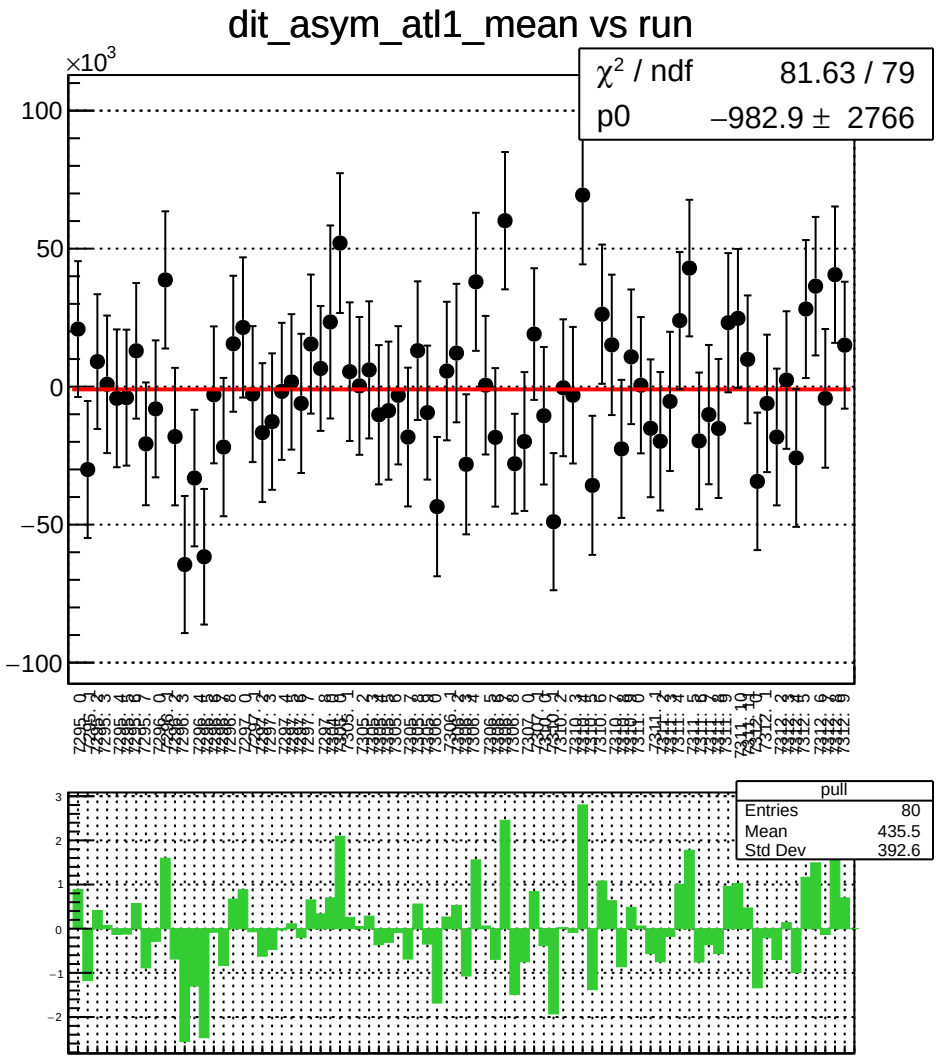

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 85.02 / 79
p0 780.1 ± 748.5
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −123
Std Dev 172.4
pull1D
Entries 80
Mean −0.01373
Std Dev 1.031

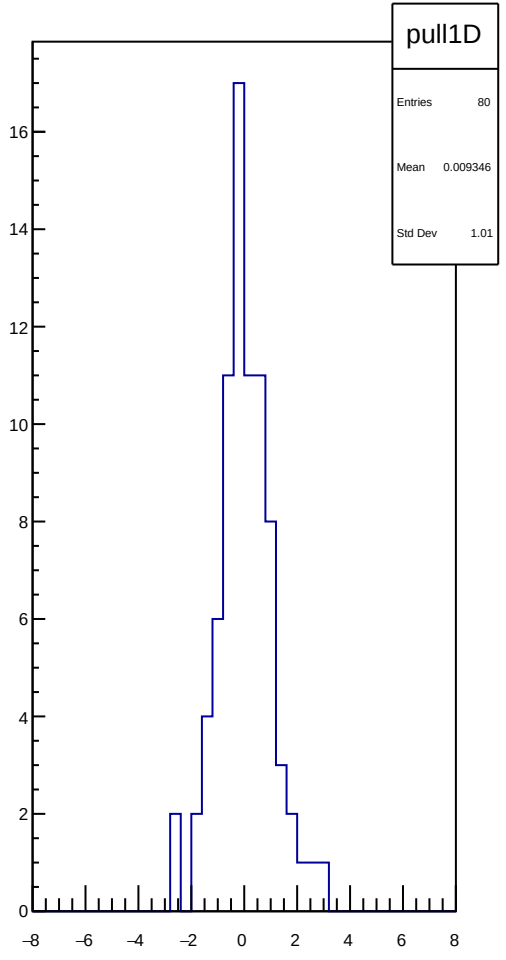

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.301e+04 / 79
p0 638.7 ± 0.5293
1000
900
800
700
600

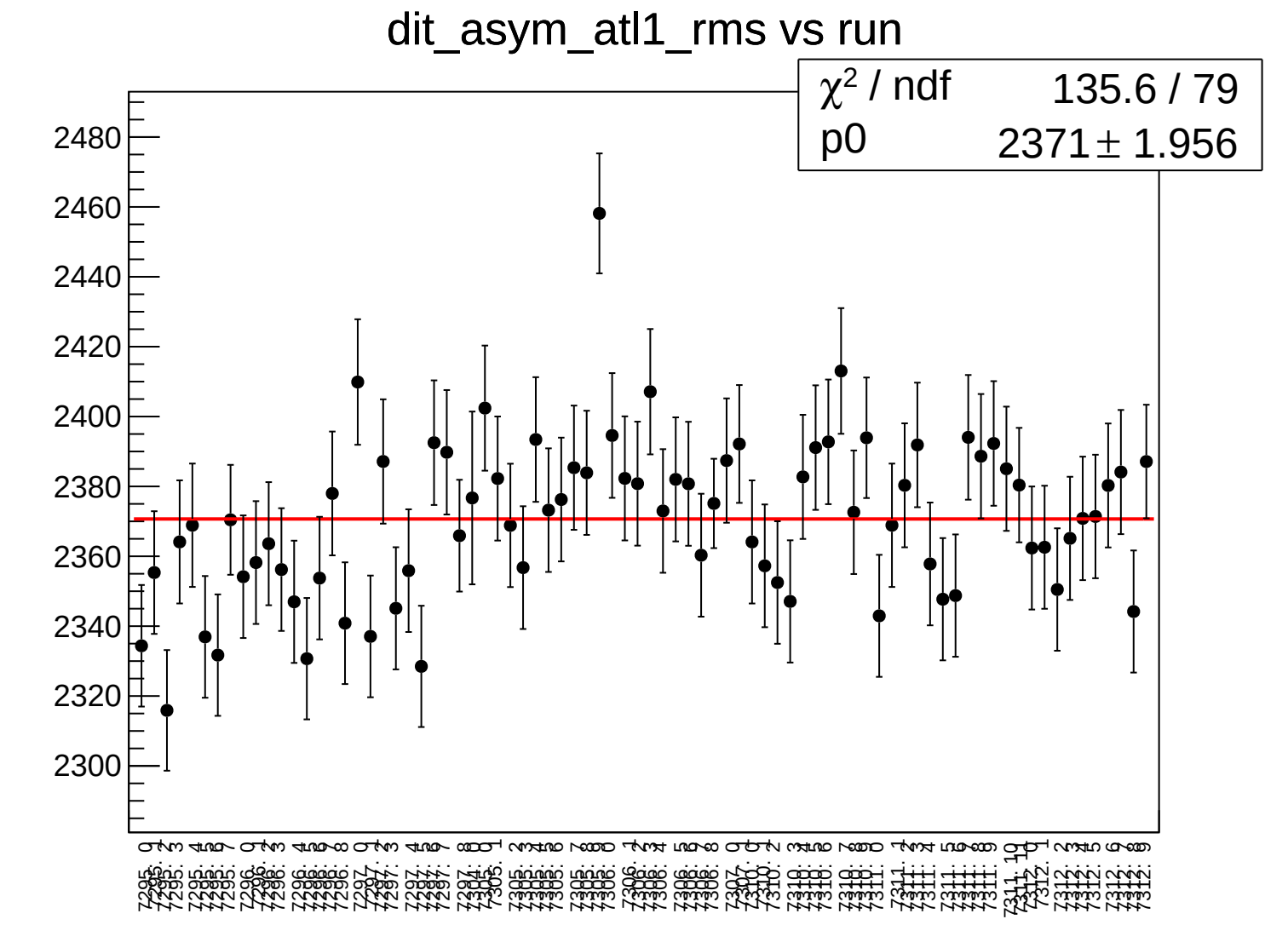

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.22 / 79
p0 −1281 ± 1614
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 51.21
Std Dev 42.09
2
1
0
−1
−2
−3

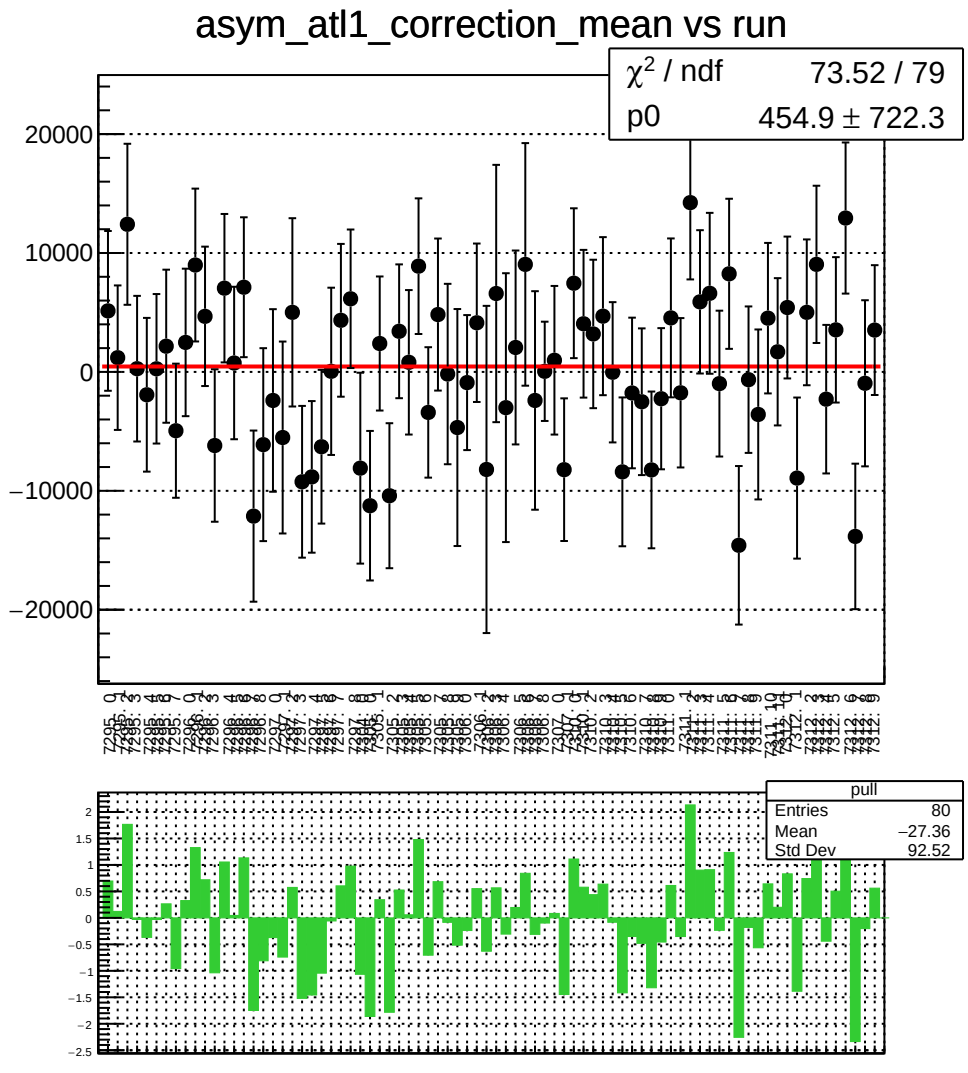

pull1D
Entries 80
Mean 0.01401
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

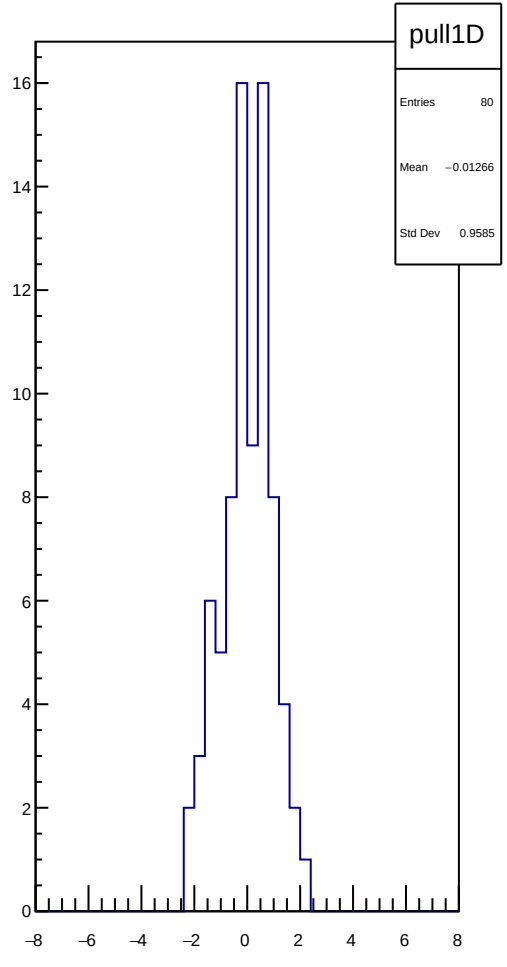

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1356 / 79
p0 1382 ± 1.141
1550
1500
1450
1400
1350
1300

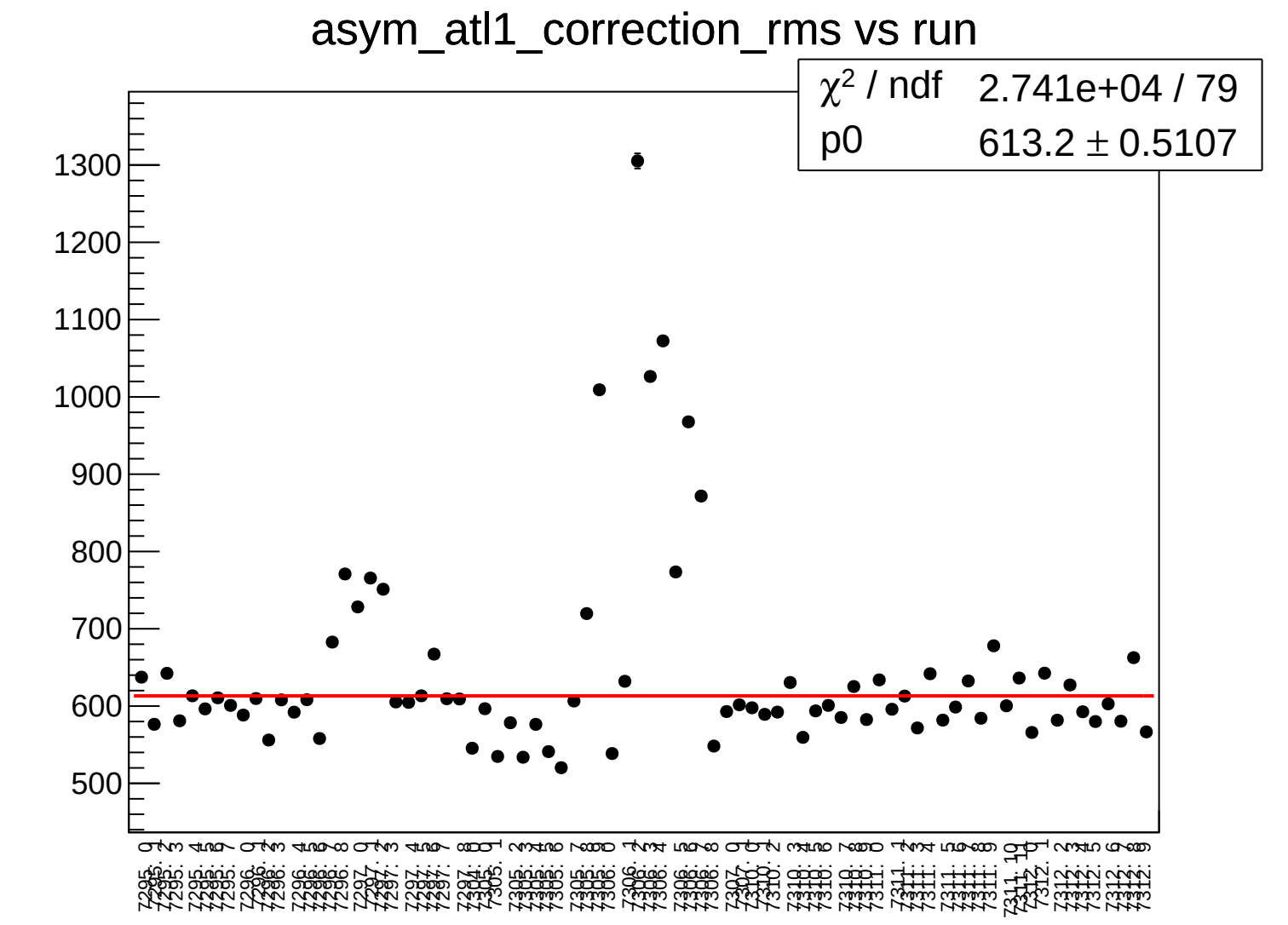

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 81.63 / 79
p0 −982.9 ± 2766
100
50
0
−50
−100
pull
Entries 80
Mean 435.5
Std Dev 392.6
3
2
1
0
−1
−2

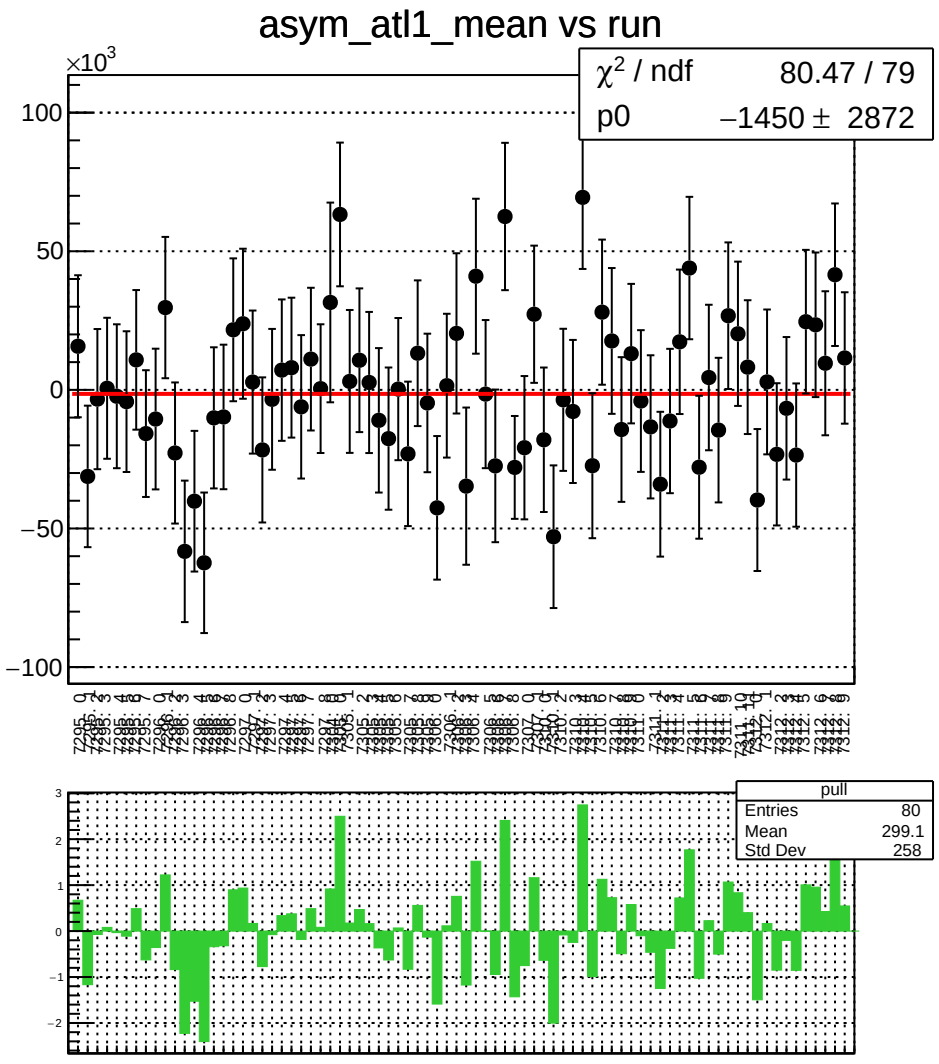

pull1D
Entries 80
Mean 0.009346
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

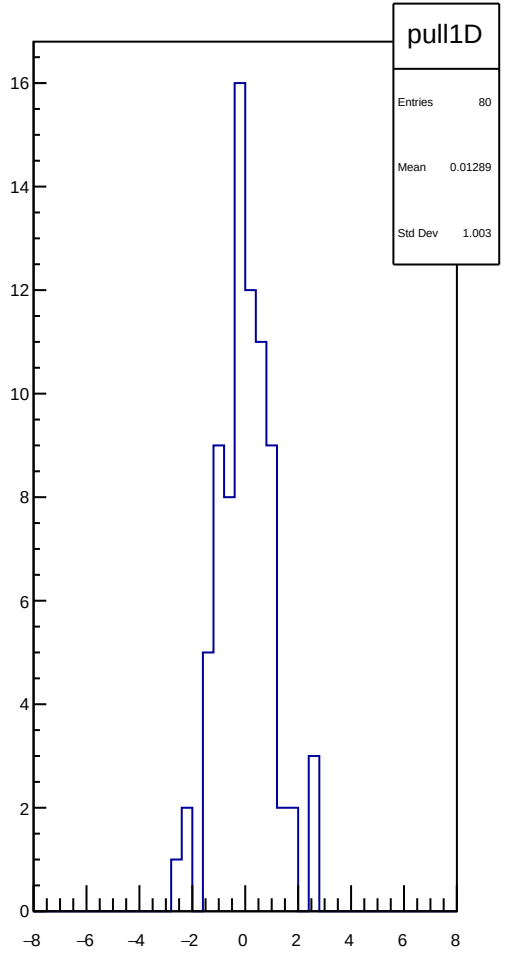

dit_asym_atl1_rms vs run
χ² / ndf 135.6 / 79
p0 2371 ± 1.956
2480
2460
2440
2420
2400
2380
2360
2340
2320
2300

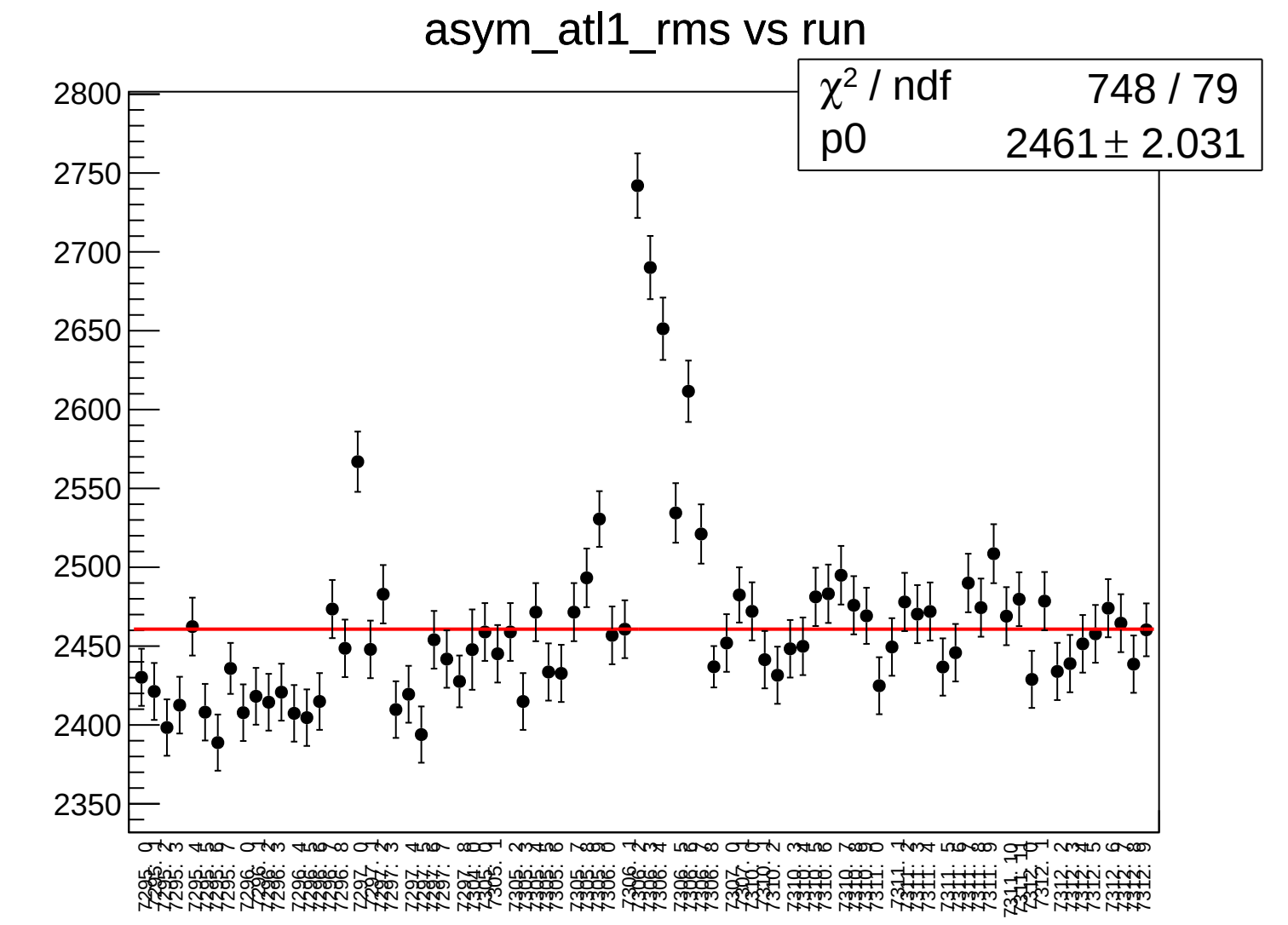

asym_atl1_correction_mean vs run
χ² / ndf 73.52 / 79
p0 454.9 ± 722.3
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −27.36
Std Dev 92.52
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

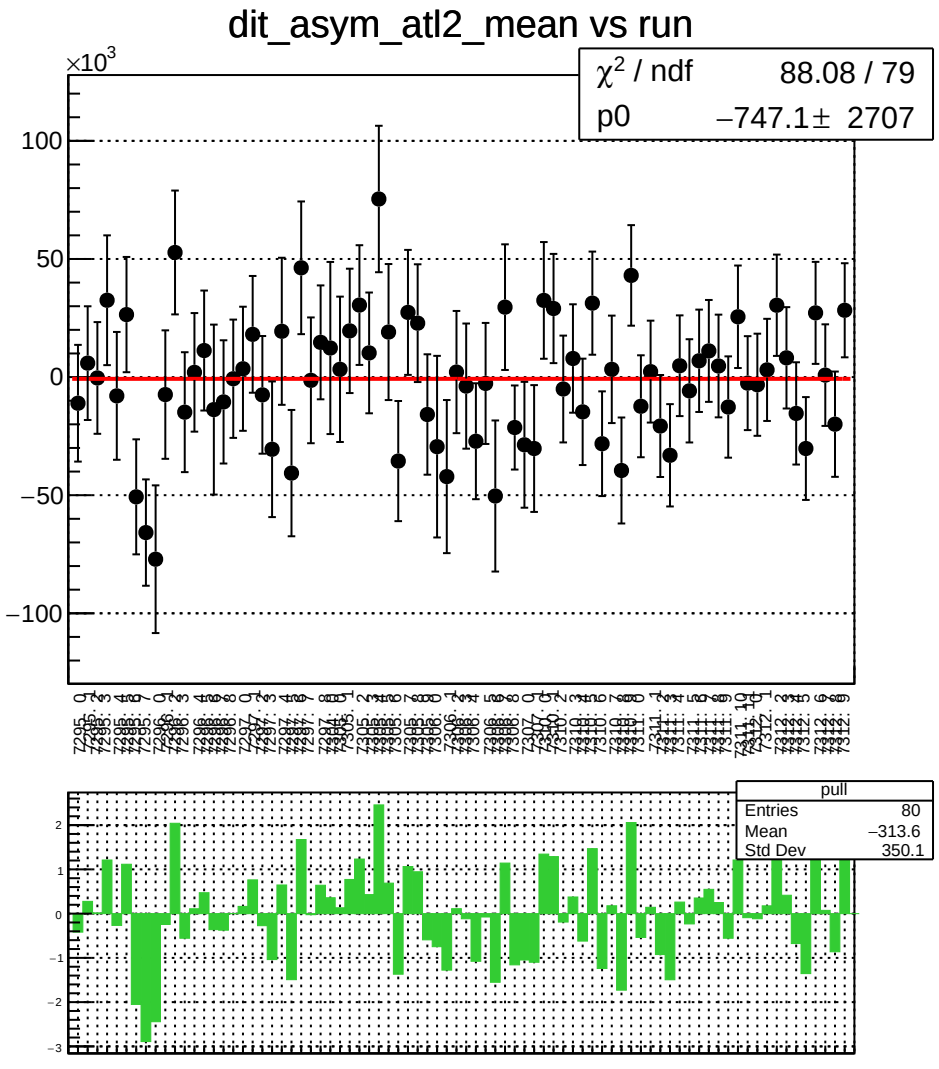

pull1D
Entries 80
Mean −0.01266
Std Dev 0.9585
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

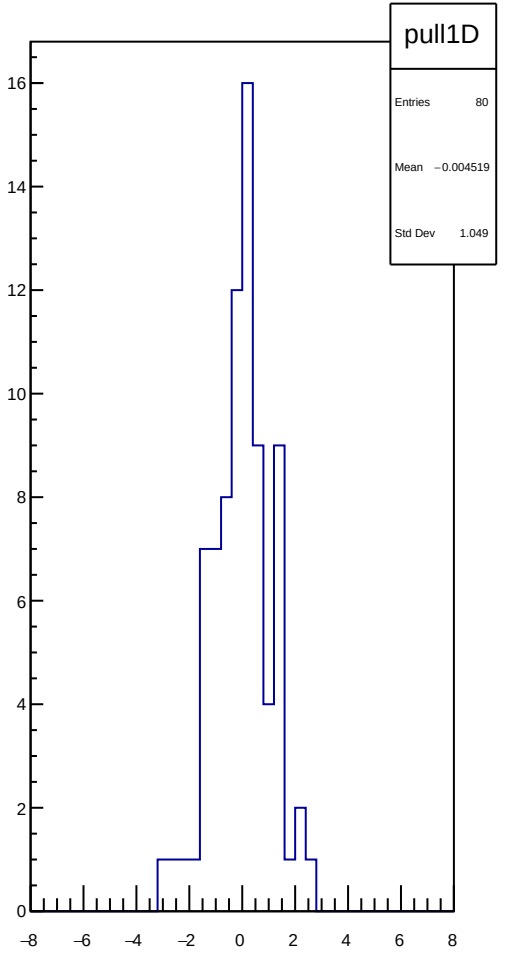

asym_atl1_correction_rms vs run
χ² / ndf 2.741e+04 / 79
p0 613.2 ± 0.5107
1300
1200
1100
1000
900
800
700
600
500

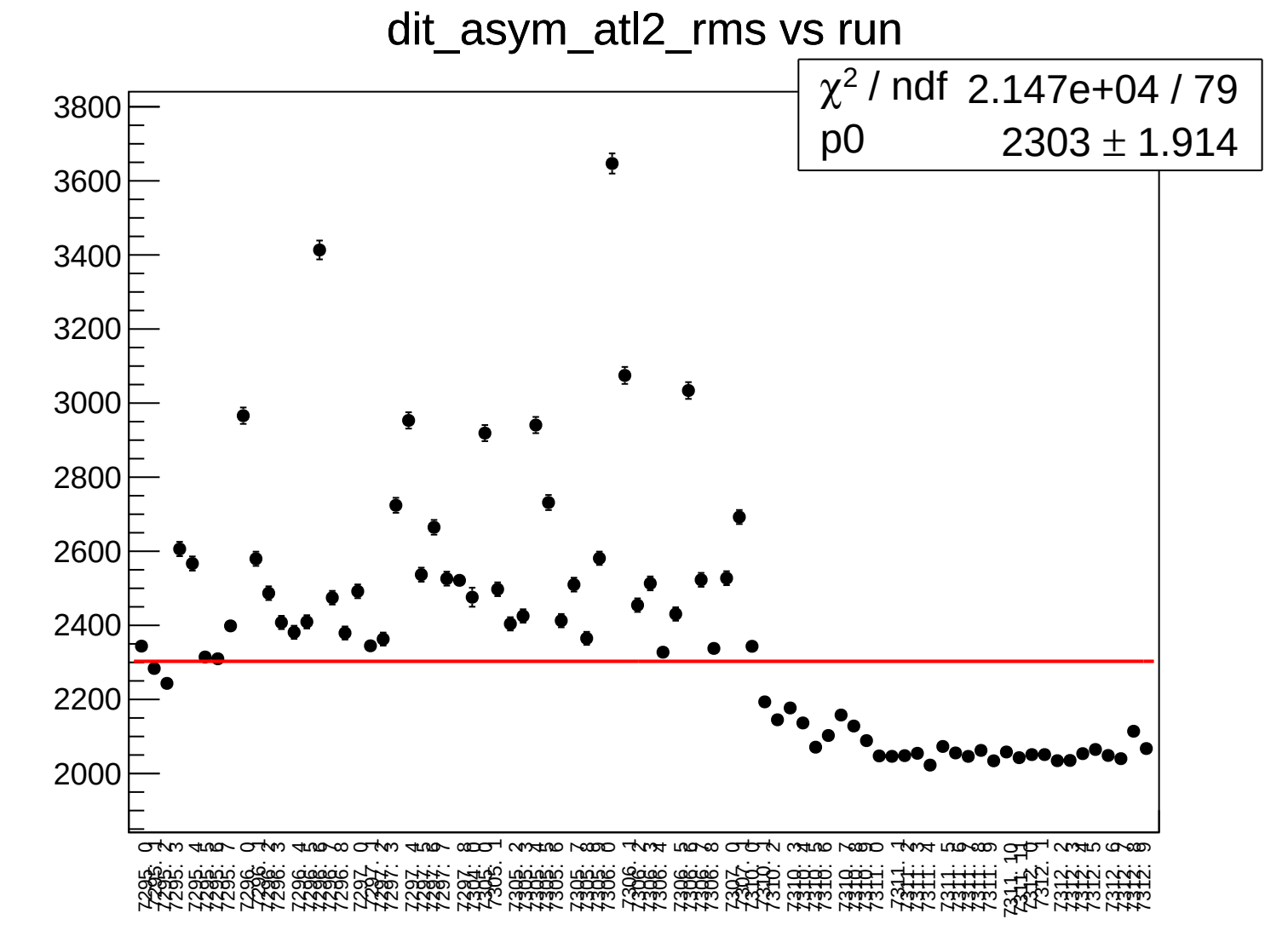

asym_atl1_mean vs run
×10^3
χ² / ndf 80.47 / 79
p0 −1450 ± 2872
100
50
0
−50
−100
pull
Entries 80
Mean 299.1
Std Dev 258
3
2
1
0
−1
−2

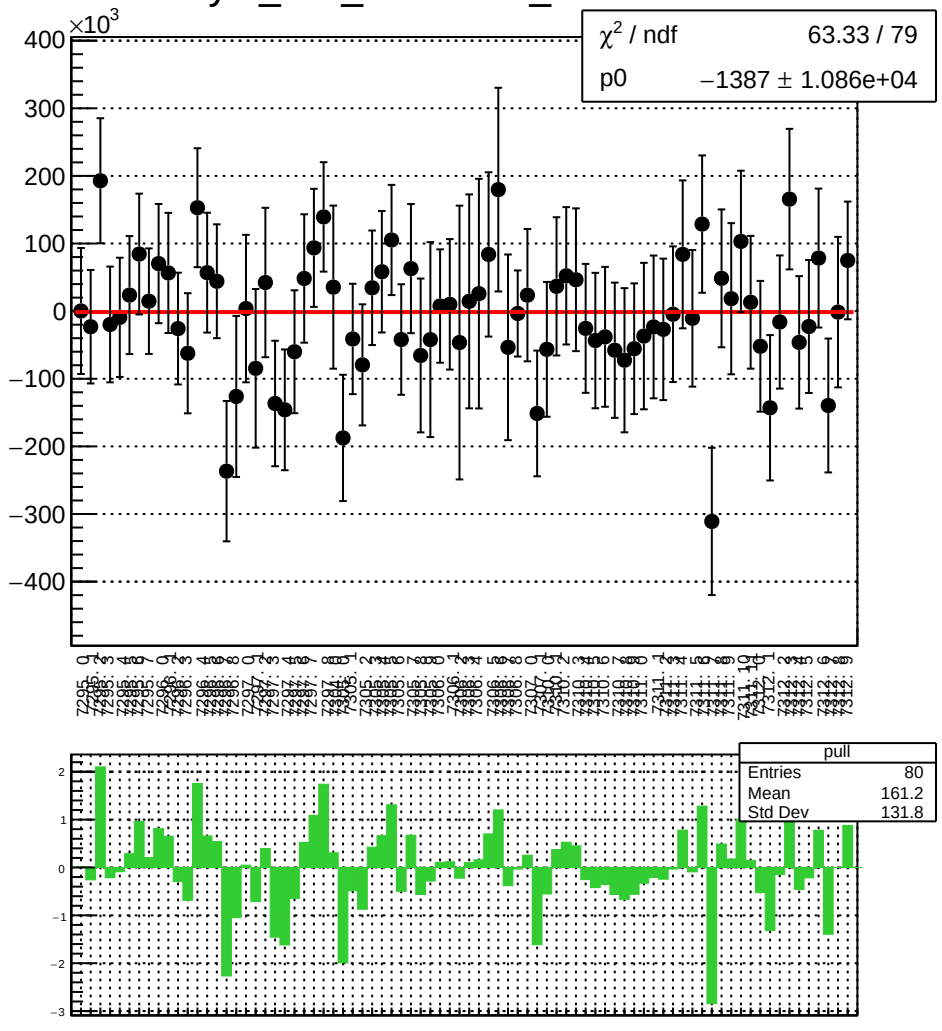

pull1D
Entries 80
Mean 0.01289
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

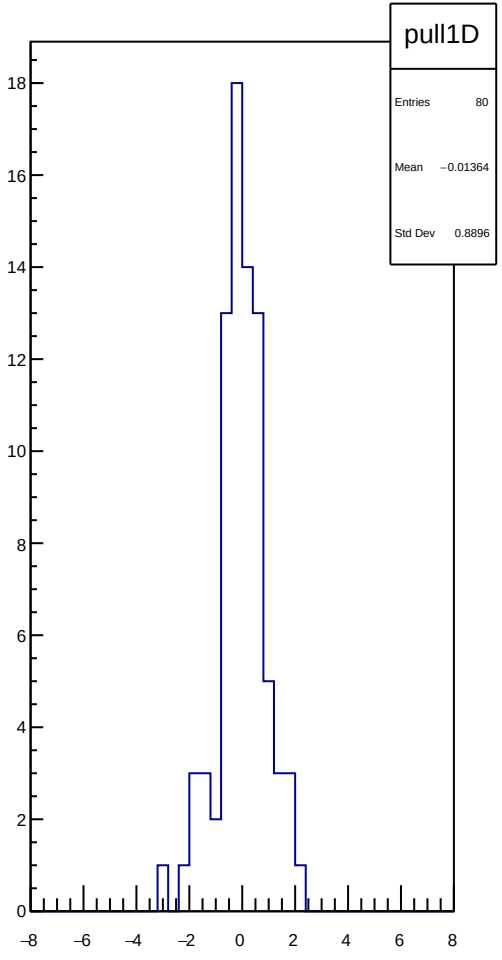

asym_atl1_rms vs run
χ² / ndf 748 / 79
p0 2461 ± 2.031
2800
2750
2700
2650
2600
2550
2500
2450
2400
2350

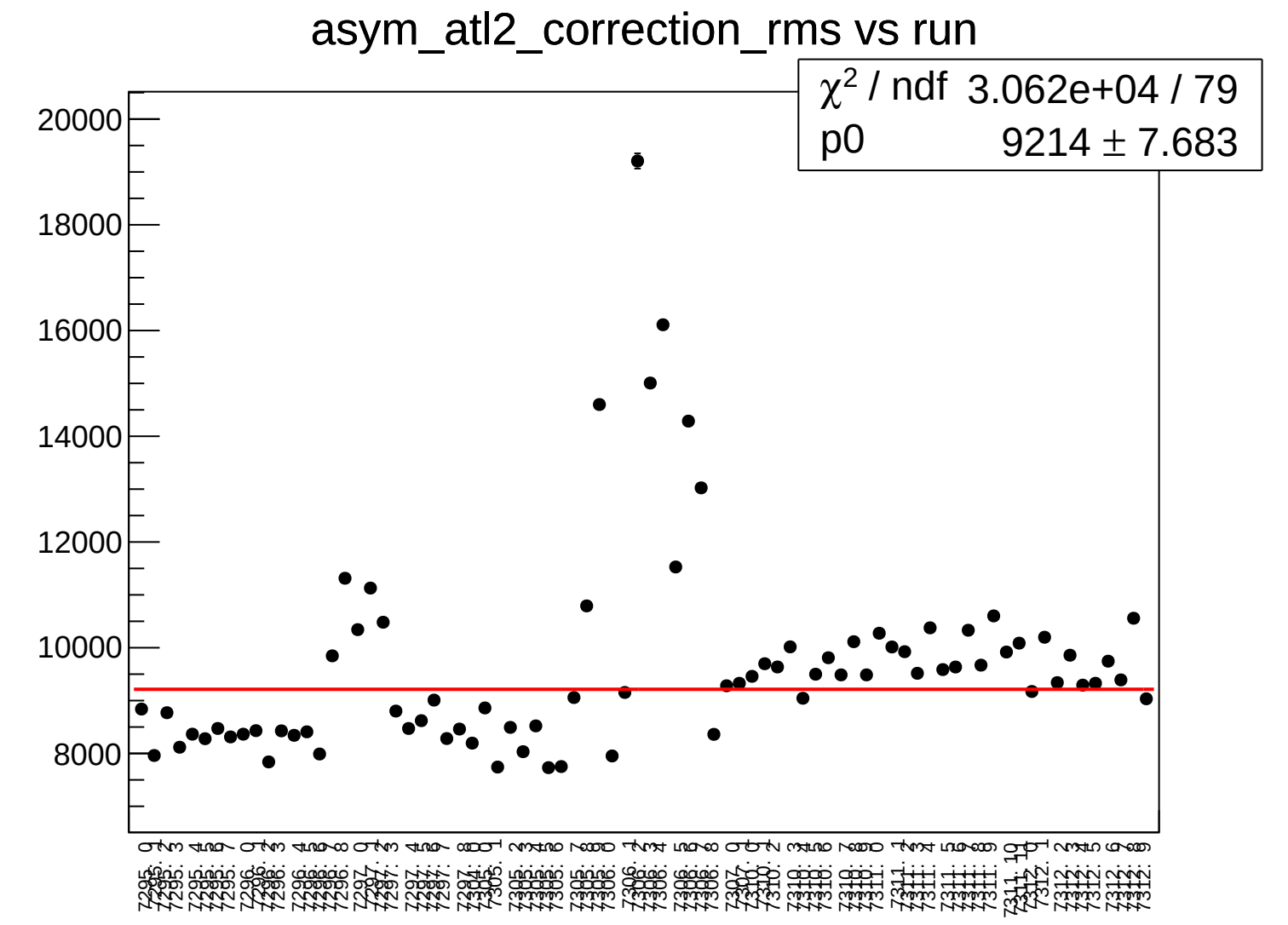

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 88.08 / 79
p0 −747.1± 2707
100
50
0
−50
−100
pull
Entries 80
Mean −313.6
Std Dev 350.1
2
1
0
−1
−2
−3

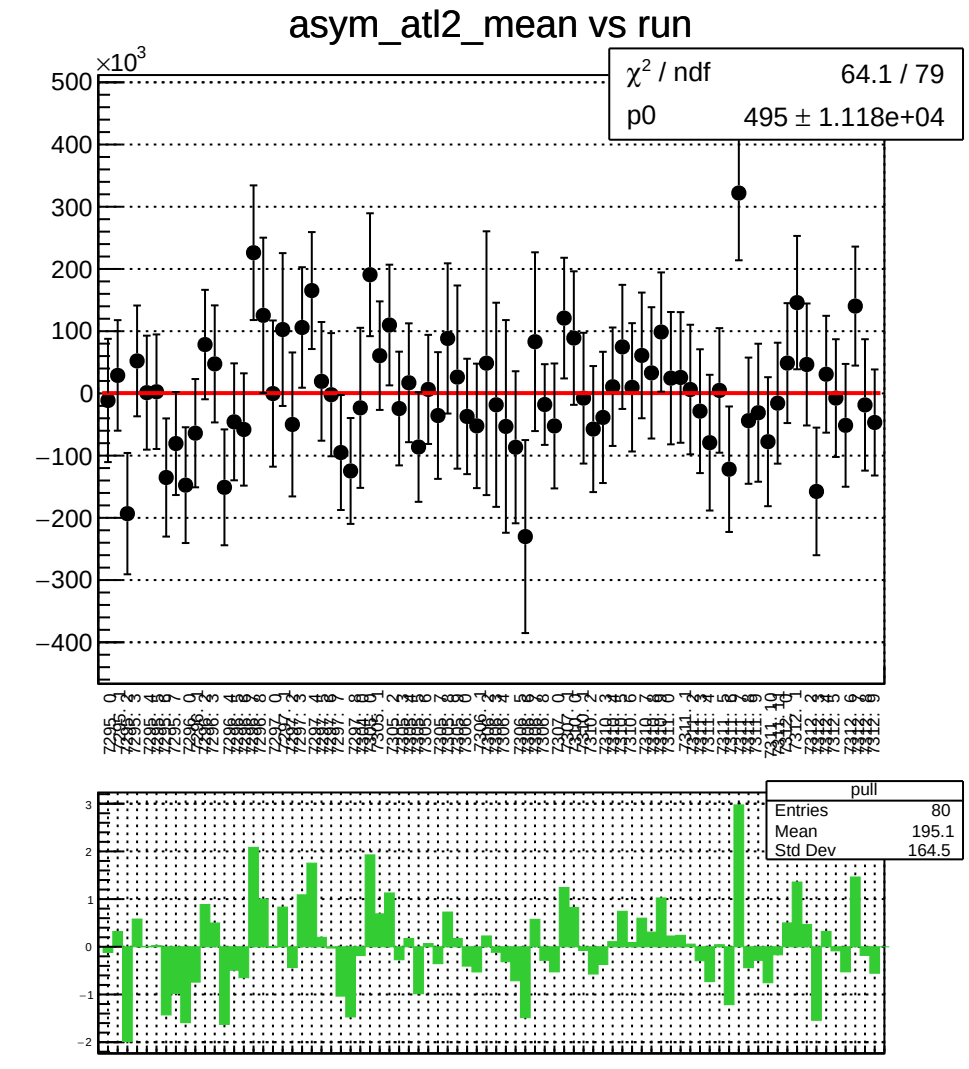

pull1D
Entries 80
Mean −0.004519
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

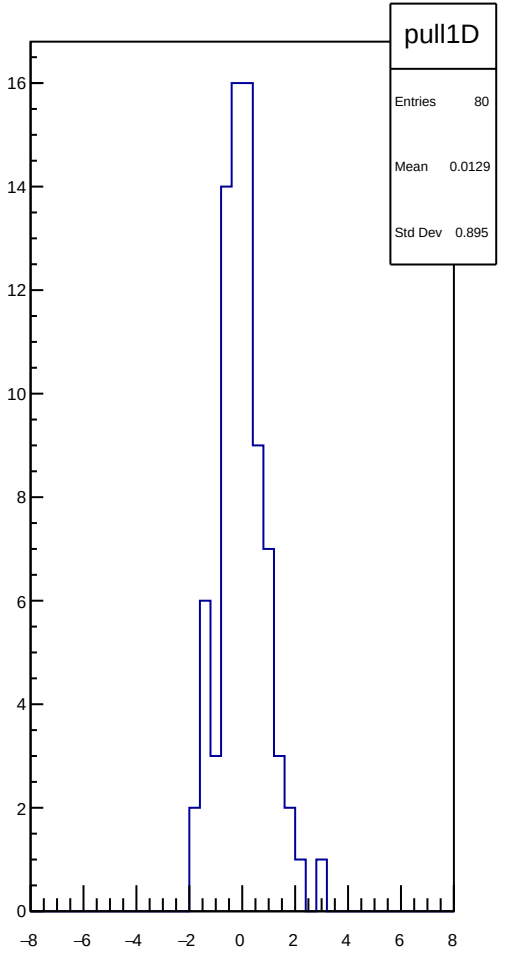

dit_asym_atl2_rms vs run
χ^2 / ndf 2.147e+04 / 79
p0 2303 ± 1.914
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

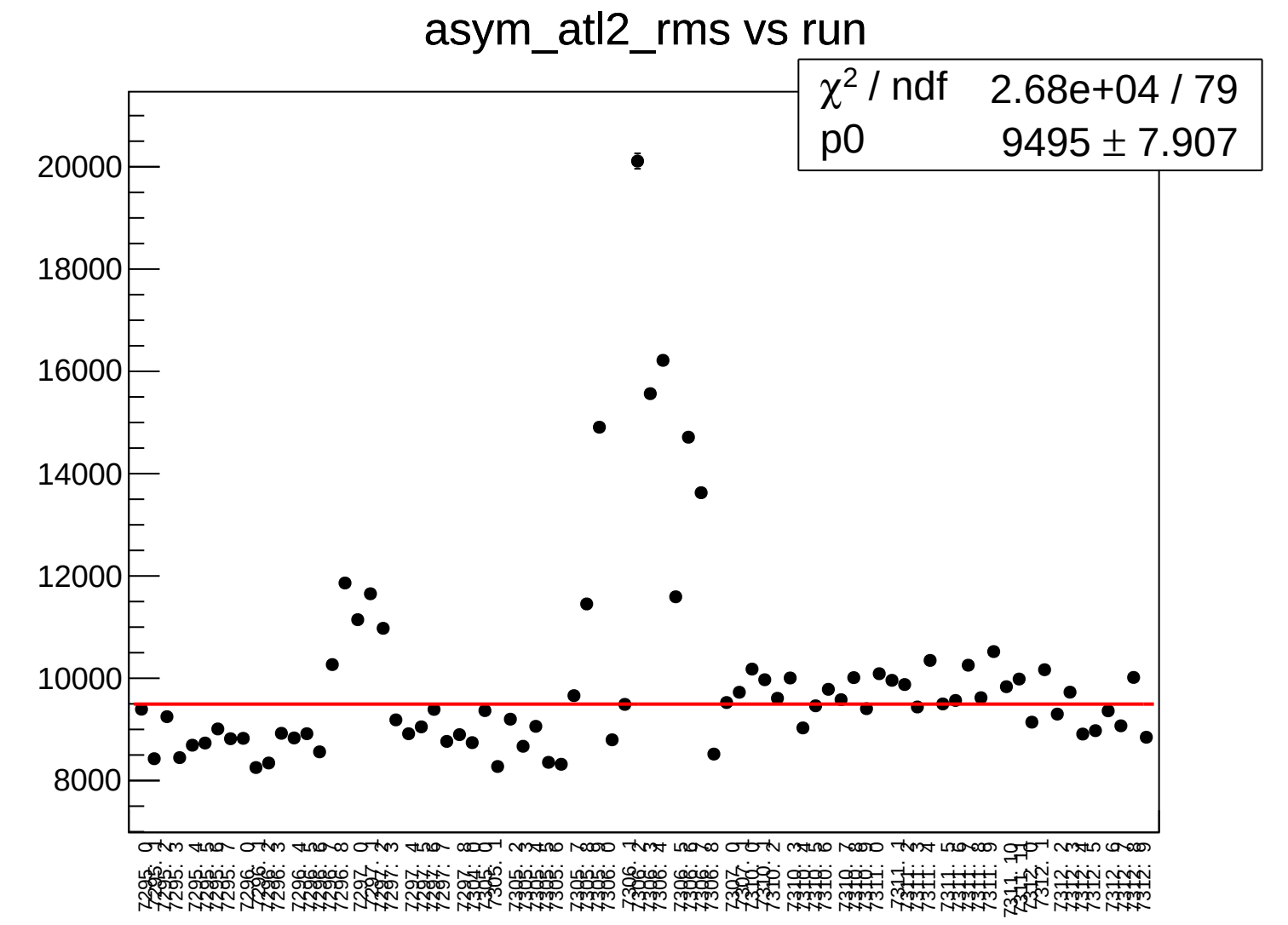

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 63.33 / 79
p0 −1387 ± 1.086e+04
pull
Entries 80
Mean 161.2
Std Dev 131.8

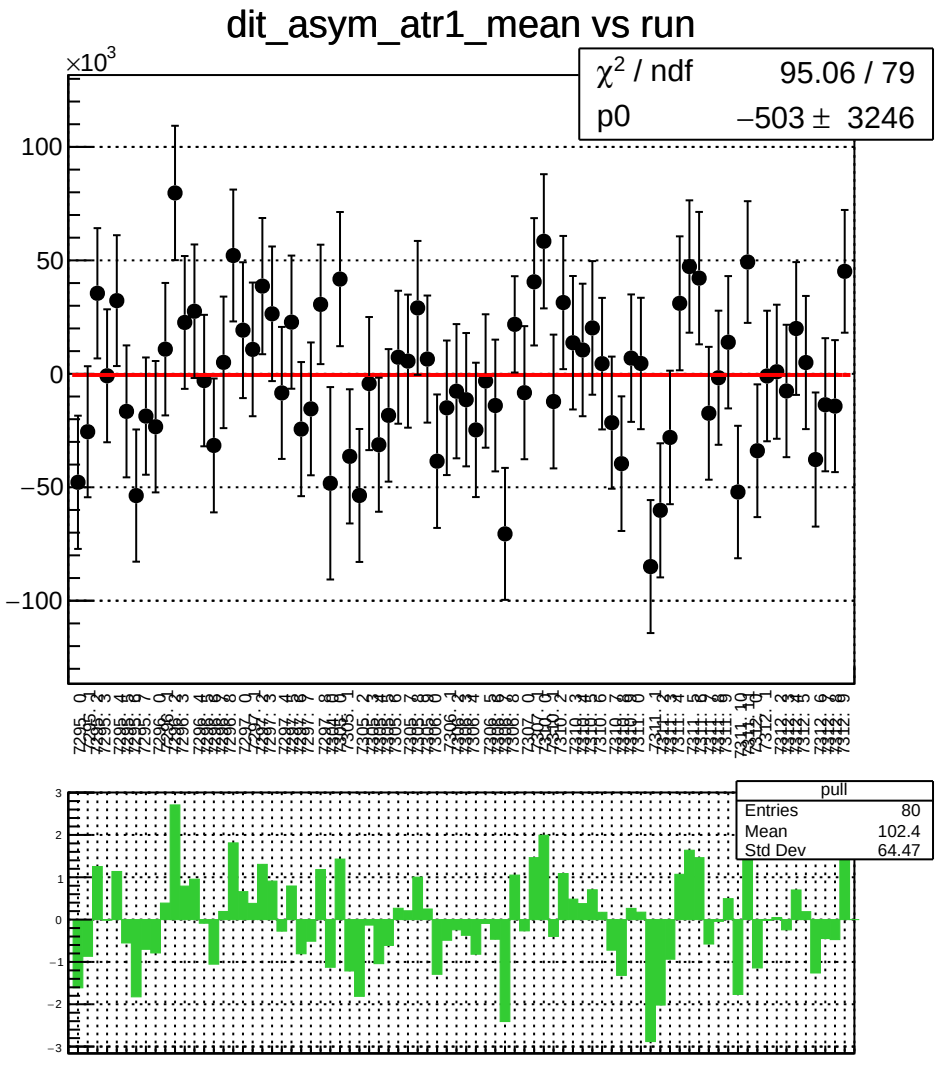

pull1D
Entries 80
Mean −0.01364
Std Dev 0.8896

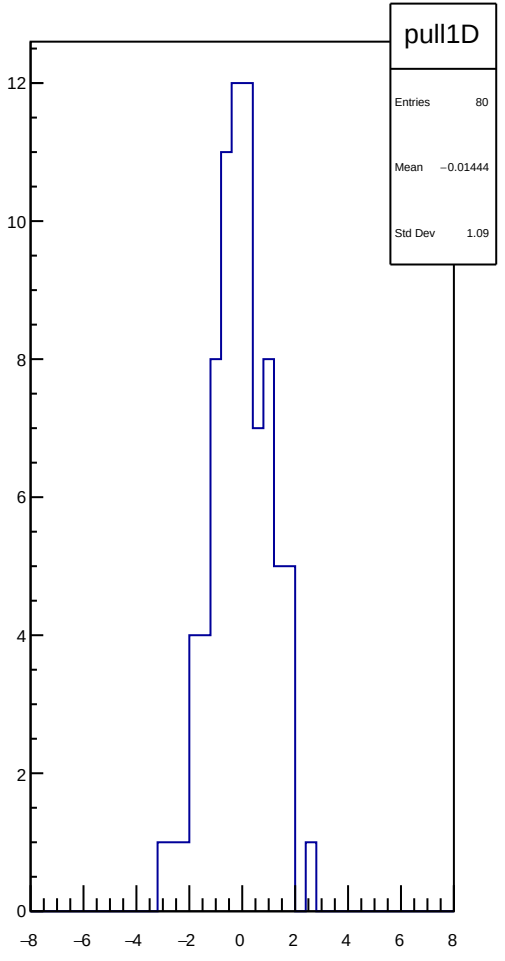

asym_atl2_correction_rms vs run
χ² / ndf 3.062e+04 / 79
p0 9214 ± 7.683
20000
18000
16000
14000
12000
10000
8000

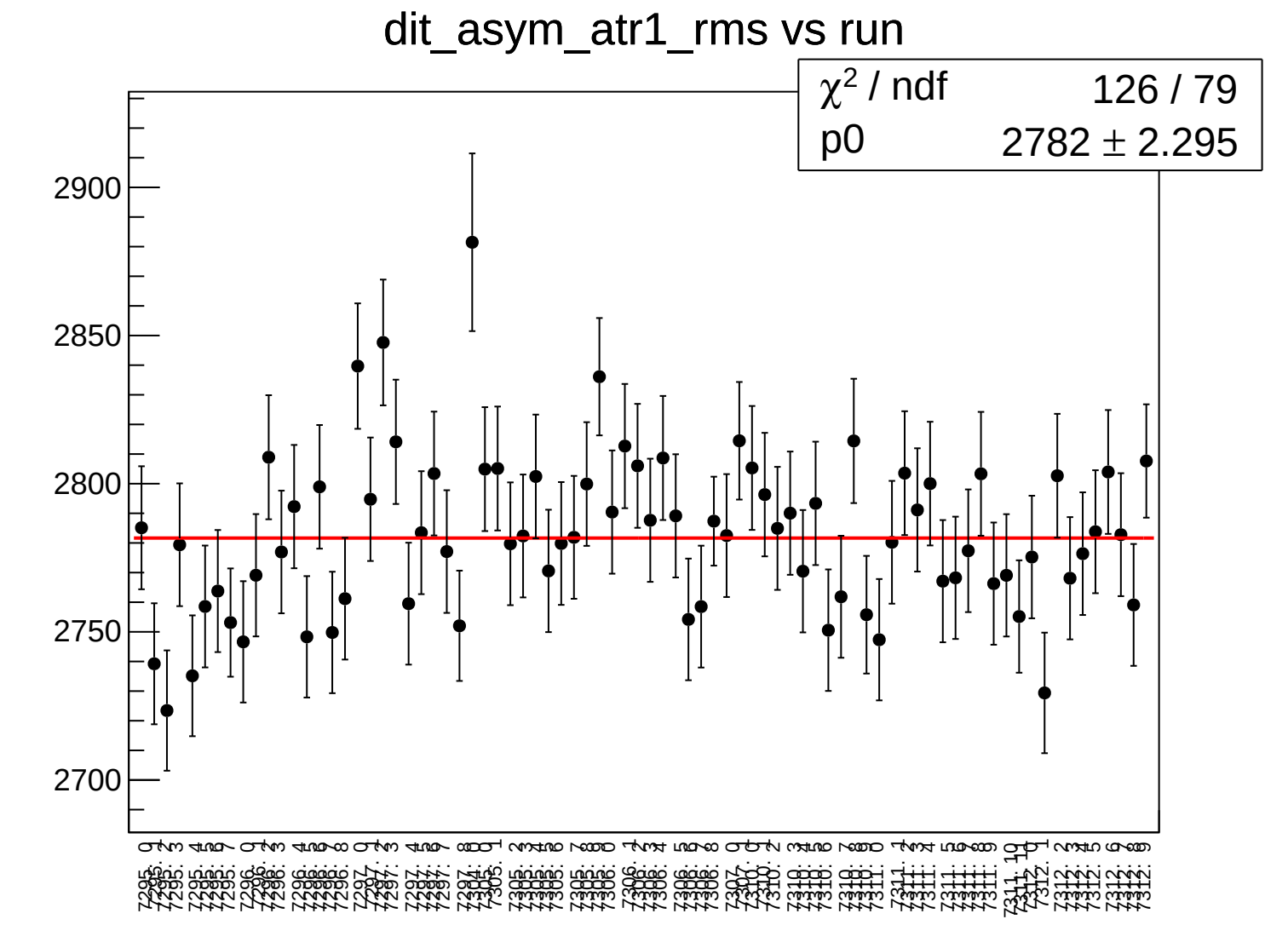

asym_atl2_mean vs run
χ^2 / ndf 64.1 / 79
p0 495 ± 1.118e+04
×10^3
pull
Entries 80
Mean 195.1
Std Dev 164.5

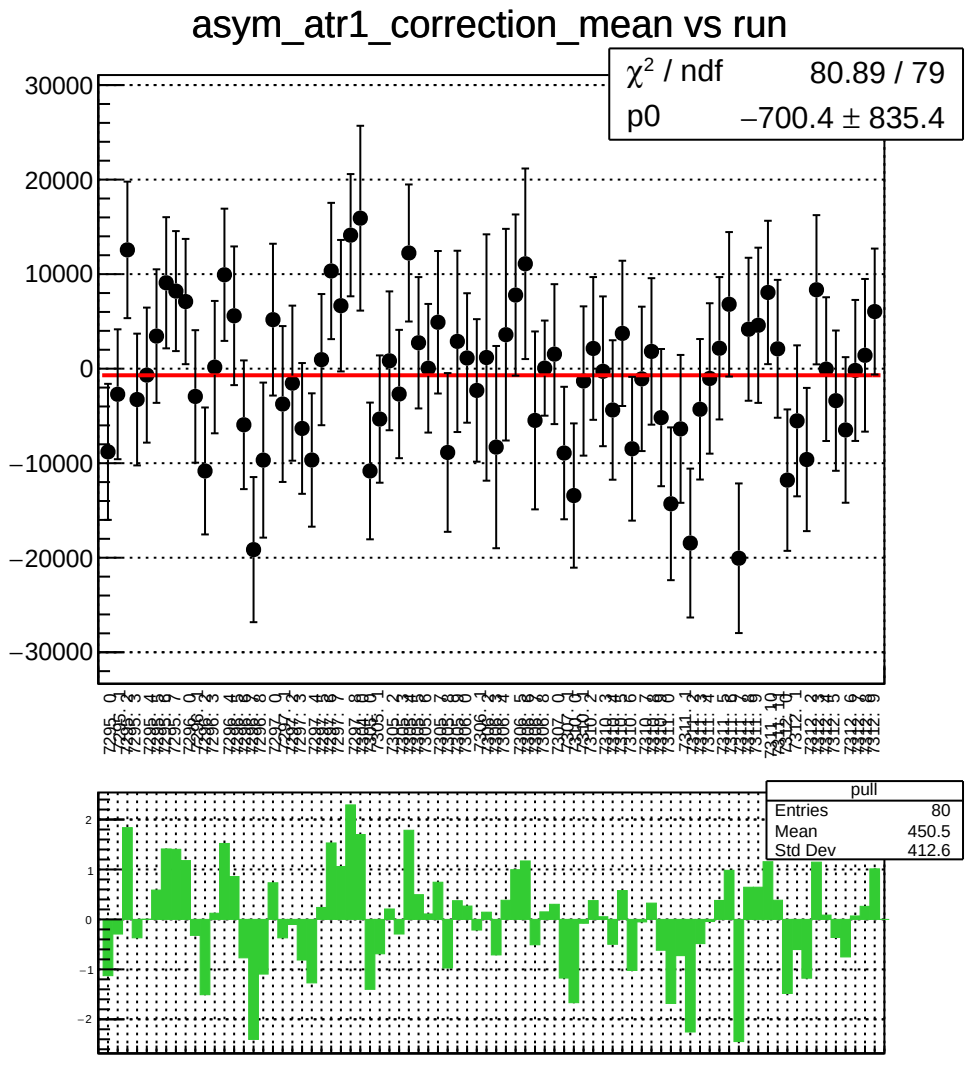

pull1D
Entries 80
Mean 0.0129
Std Dev 0.895

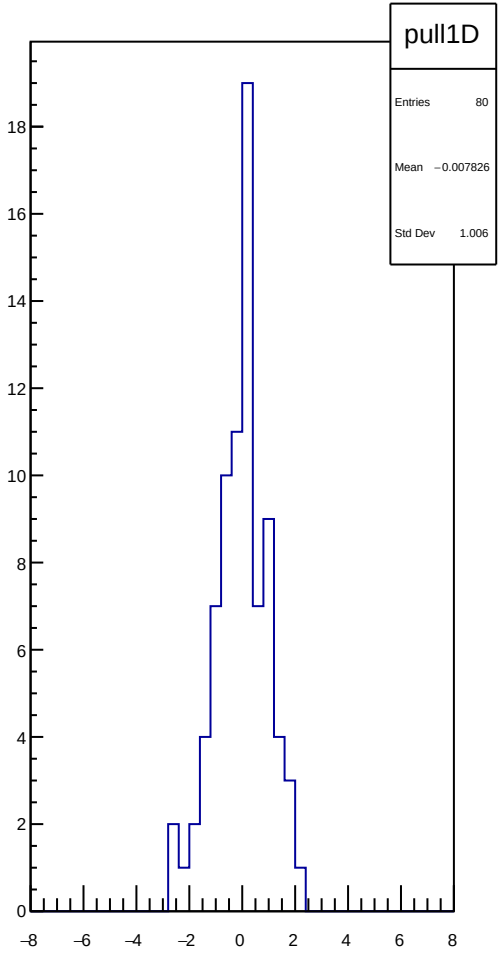

asym_atl2_rms vs run
χ² / ndf 2.68e+04 / 79
p0 9495 ± 7.907
20000
18000
16000
14000
12000
10000
8000

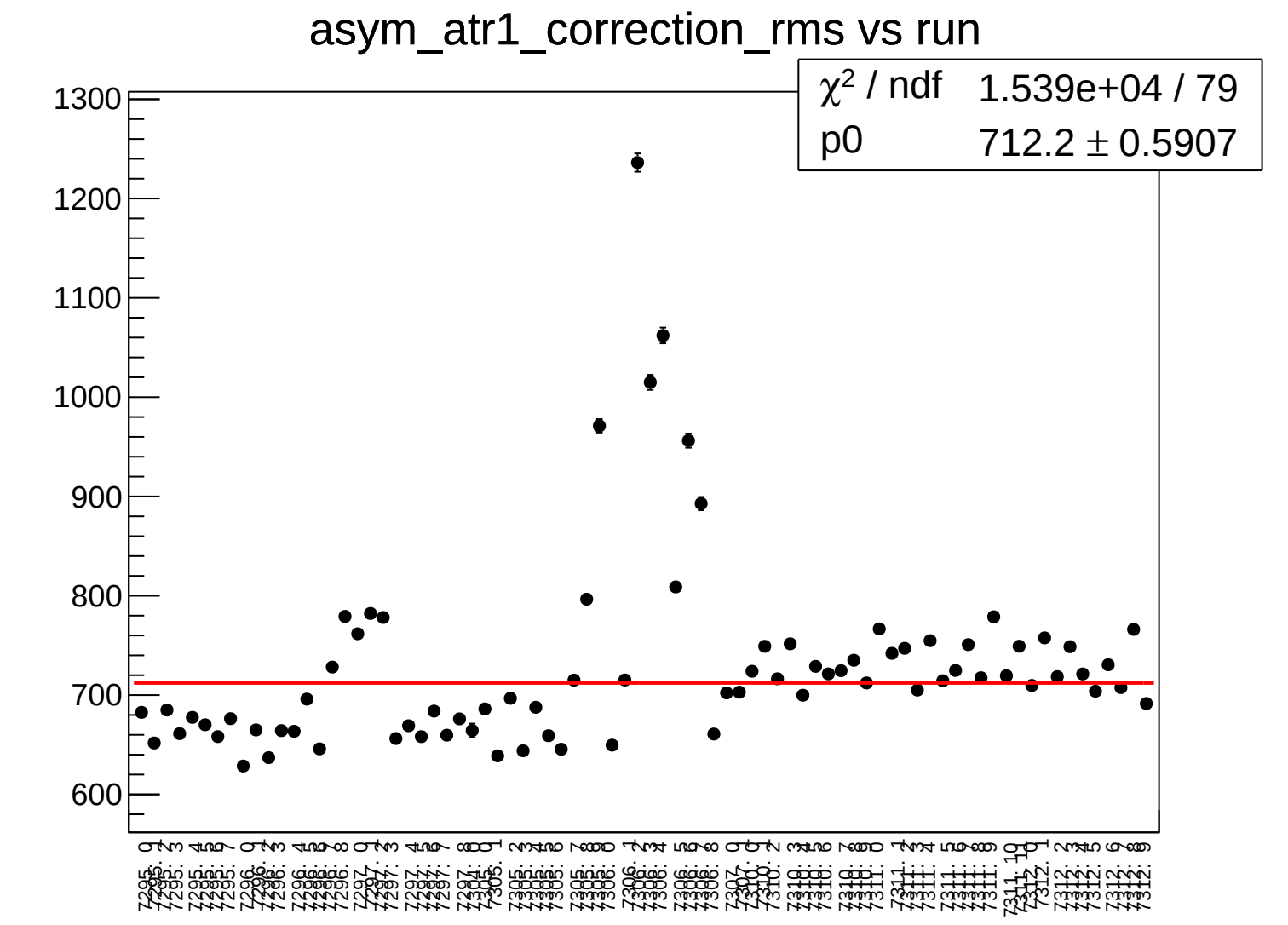

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 95.06 / 79
p0 −503 ± 3246
100
50
0
−50
−100
pull
Entries 80
Mean 102.4
Std Dev 64.47
3
2
1
0
−1
−2
−3

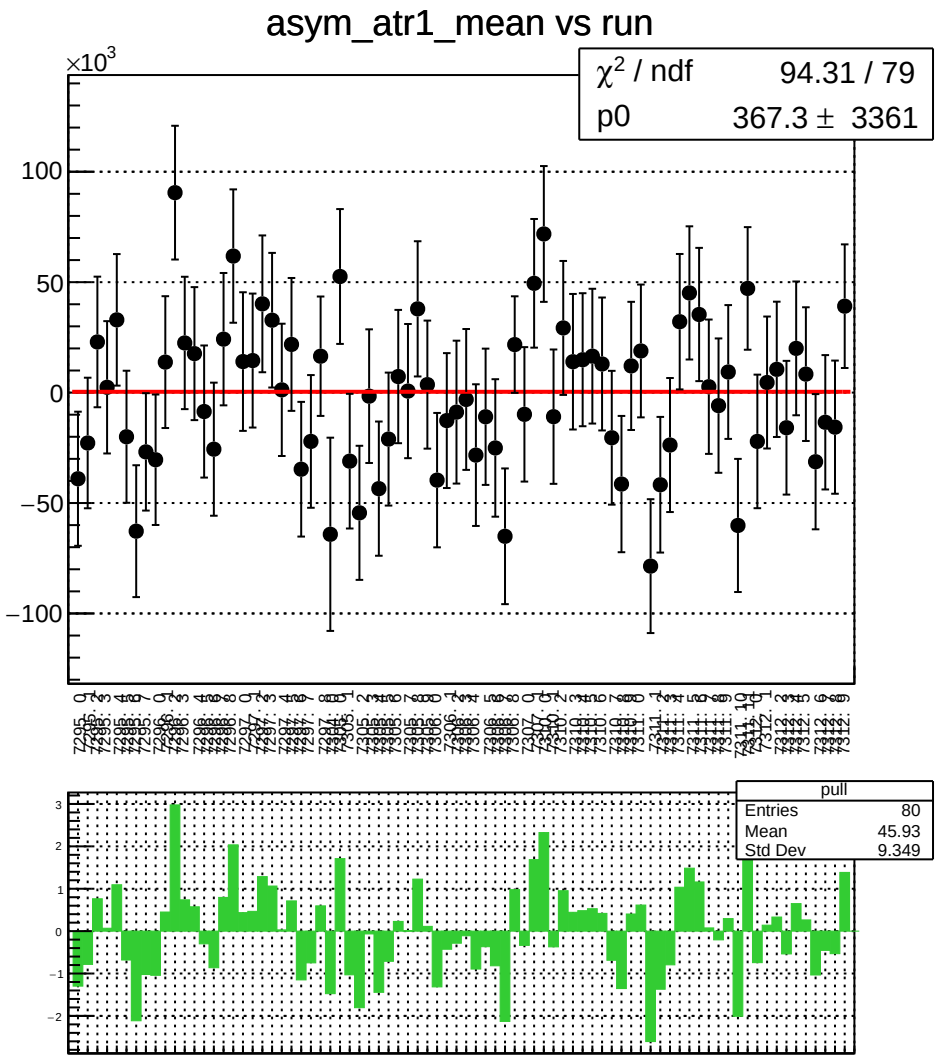

pull1D
Entries 80
Mean −0.01444
Std Dev 1.09
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

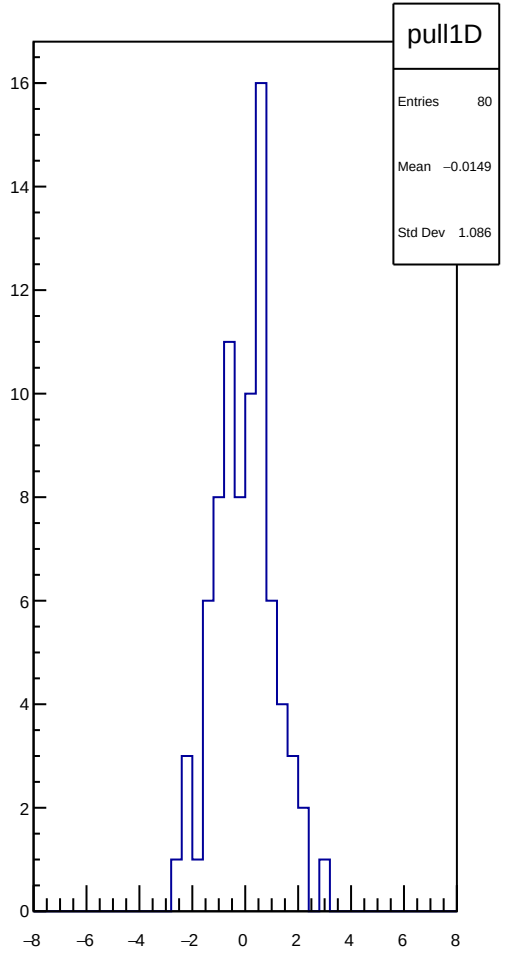

dit_asym_atr1_rms vs run
χ² / ndf 126 / 79
p0 2782 ± 2.295
2900
2850
2800
2750
2700

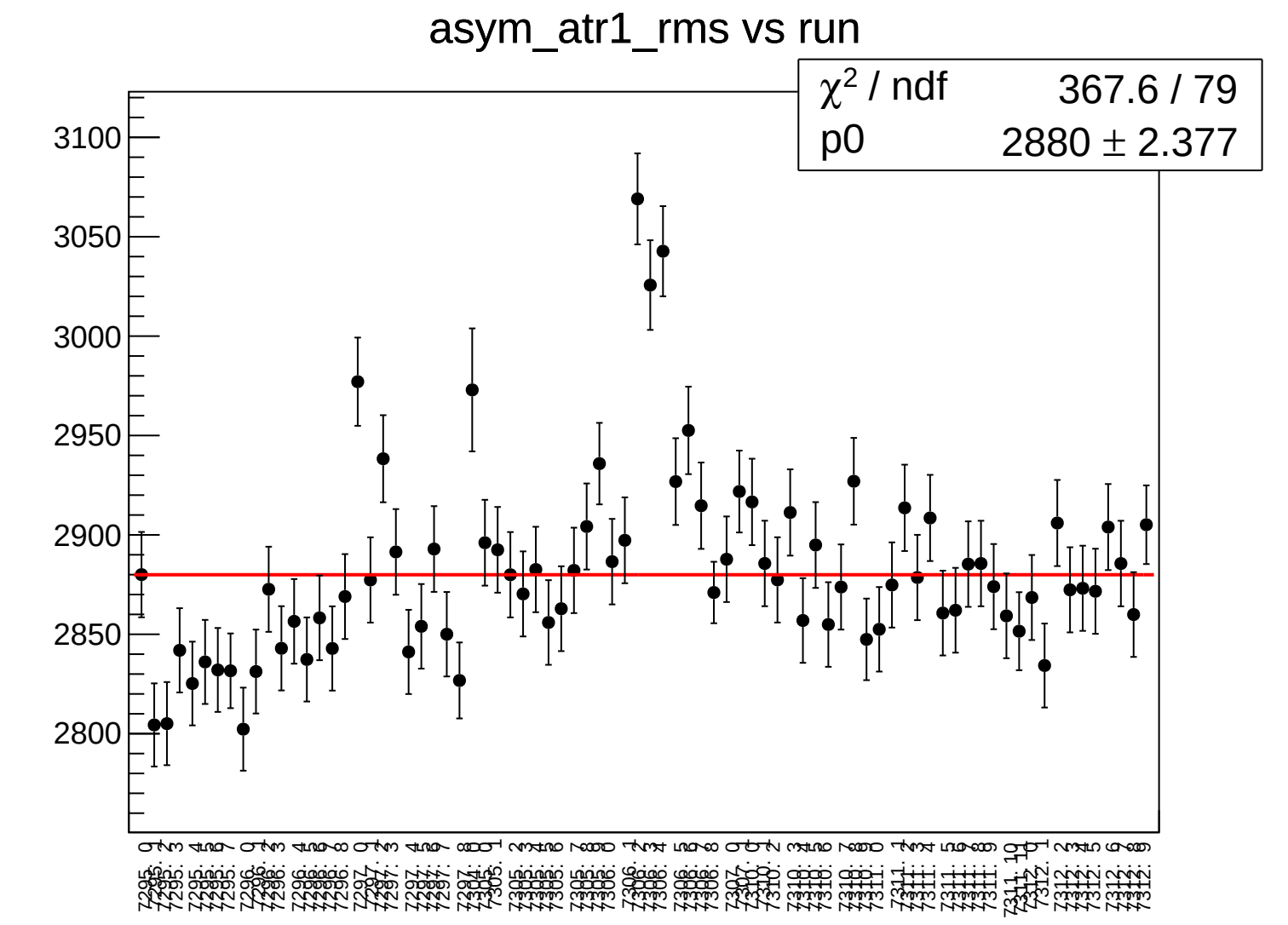

asym_atr1_correction_mean vs run
χ² / ndf 80.89 / 79
p0 −700.4 ± 835.4
pull
Entries 80
Mean 450.5
Std Dev 412.6

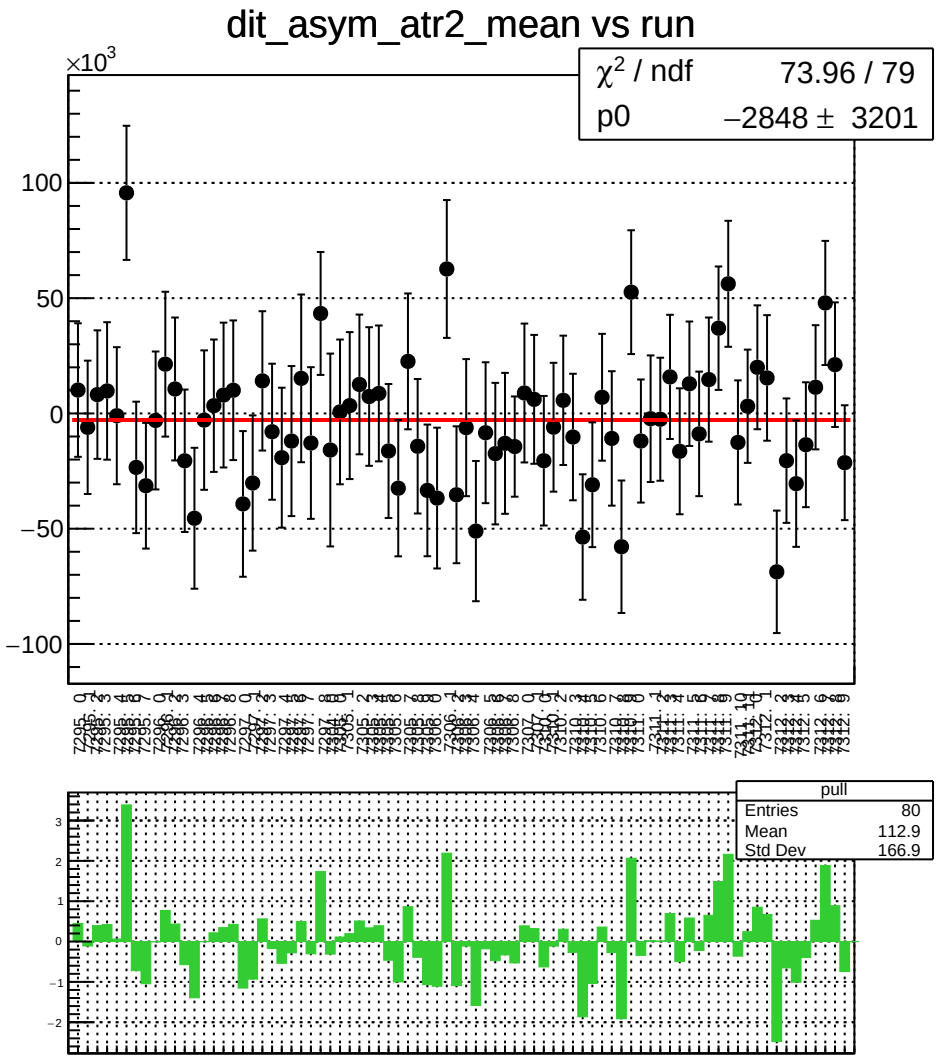

pull1D
Entries 80
Mean −0.007826
Std Dev 1.006

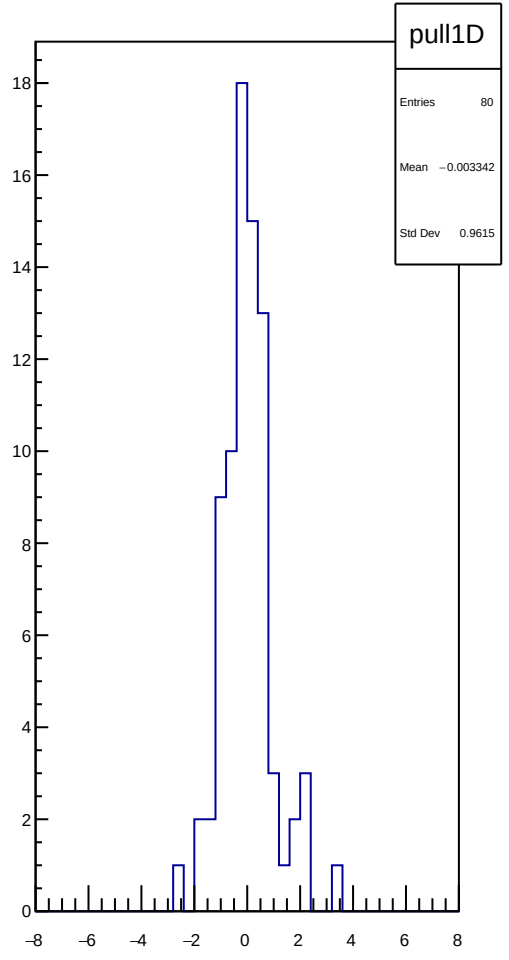

asym_atr1_correction_rms vs run
χ² / ndf 1.539e+04 / 79
p0 712.2 ± 0.5907
1300
1200
1100
1000
900
800
700
600

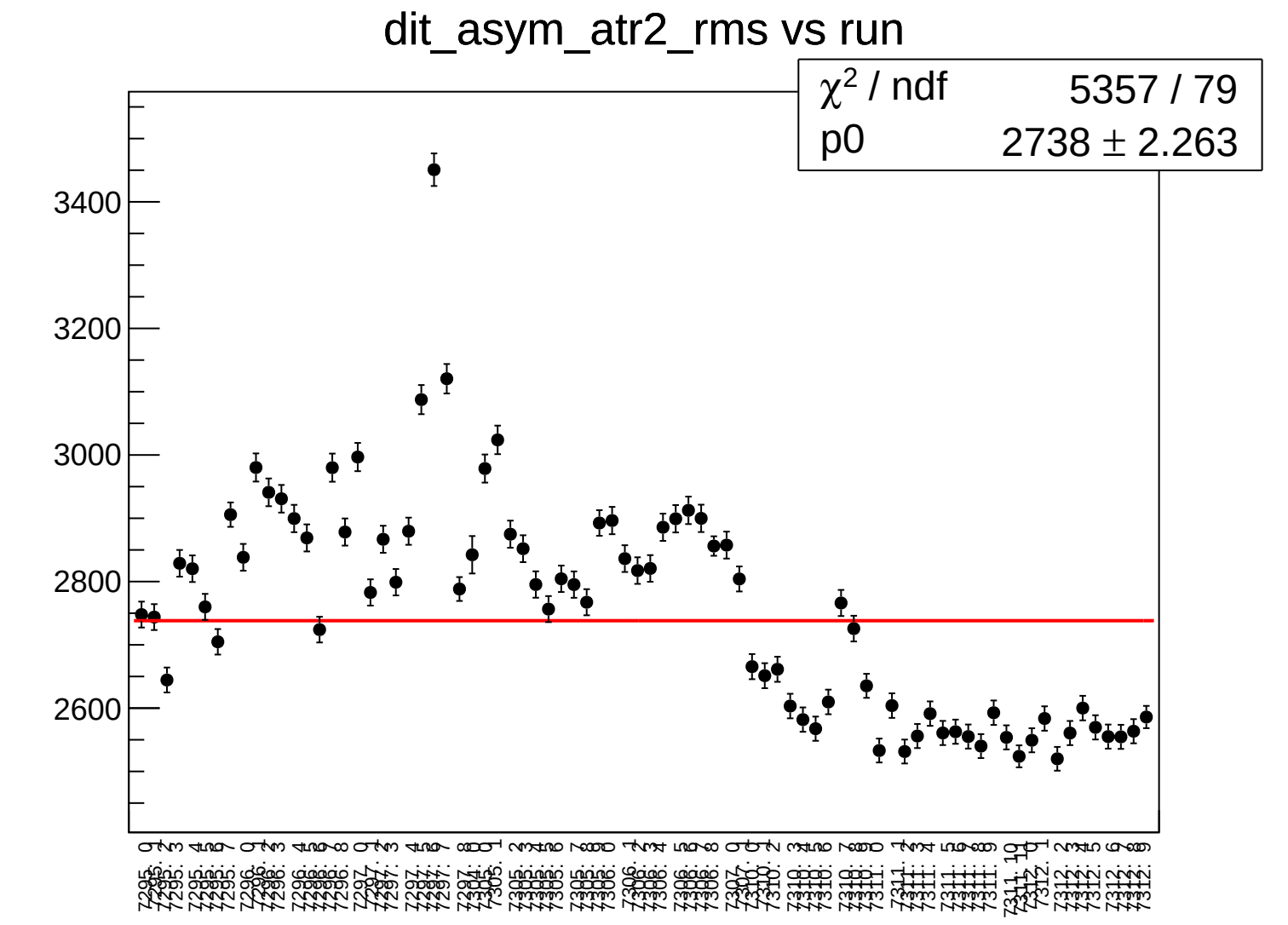

asym_atr1_mean vs run
×10^3
χ² / ndf 94.31 / 79
p0 367.3 ± 3361
100
50
0
−50
−100
pull
Entries 80
Mean 45.93
Std Dev 9.349
3
2
1
0
−1
−2

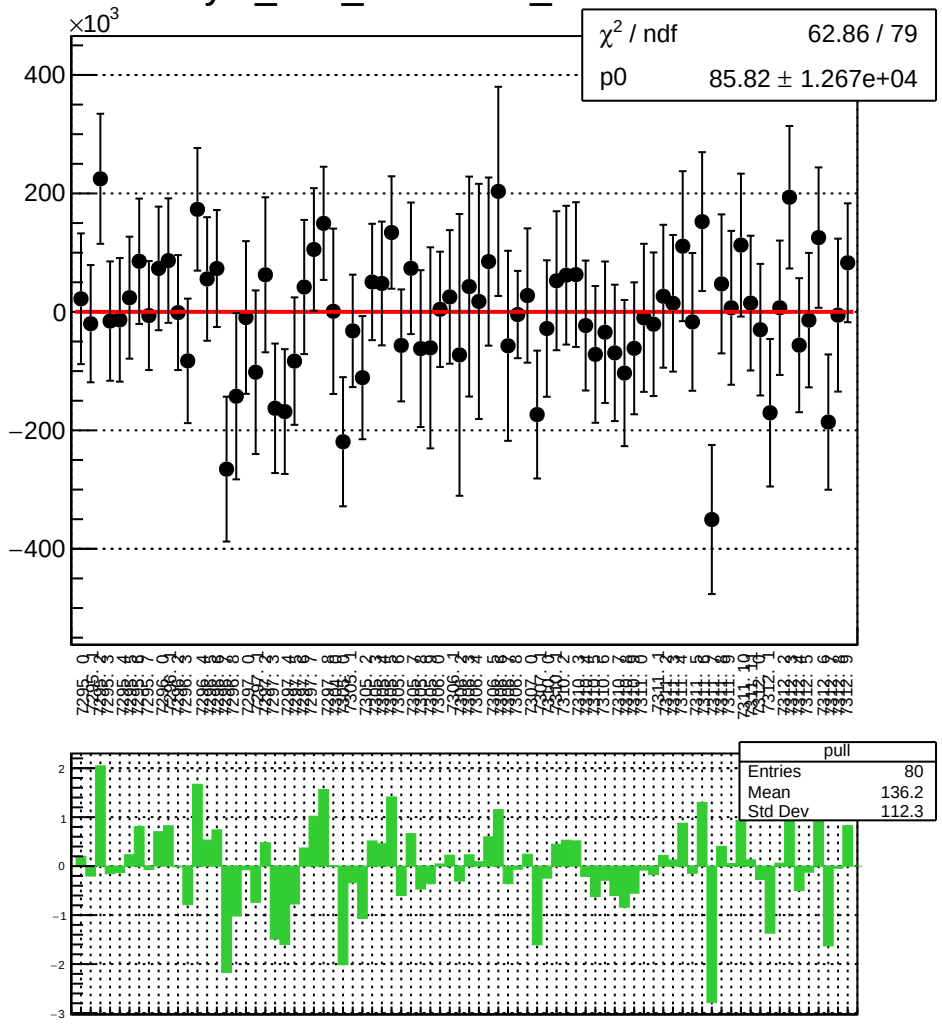

pull1D
Entries 80
Mean −0.0149
Std Dev 1.086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

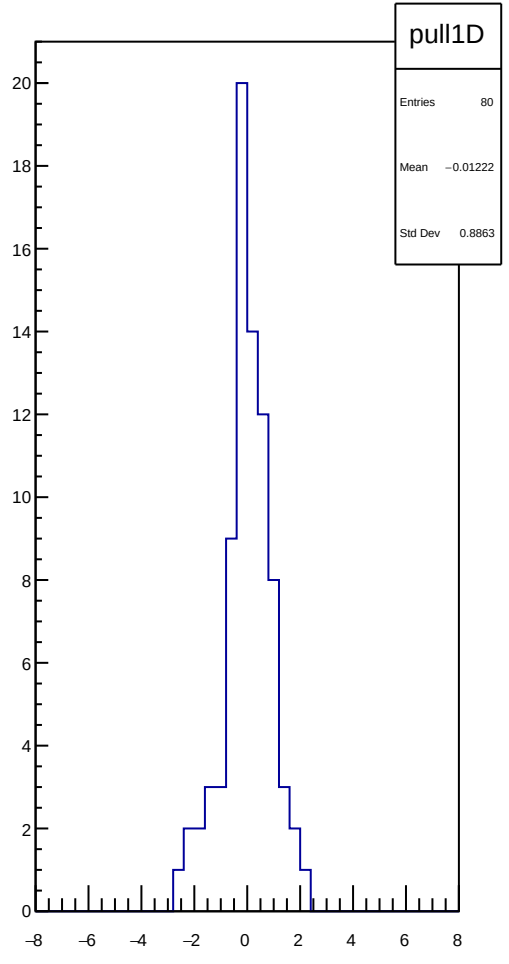

asym_atr1_rms vs run
χ^2 / ndf 367.6 / 79
p0 2880 ± 2.377
3100
3050
3000
2950
2900
2850
2800

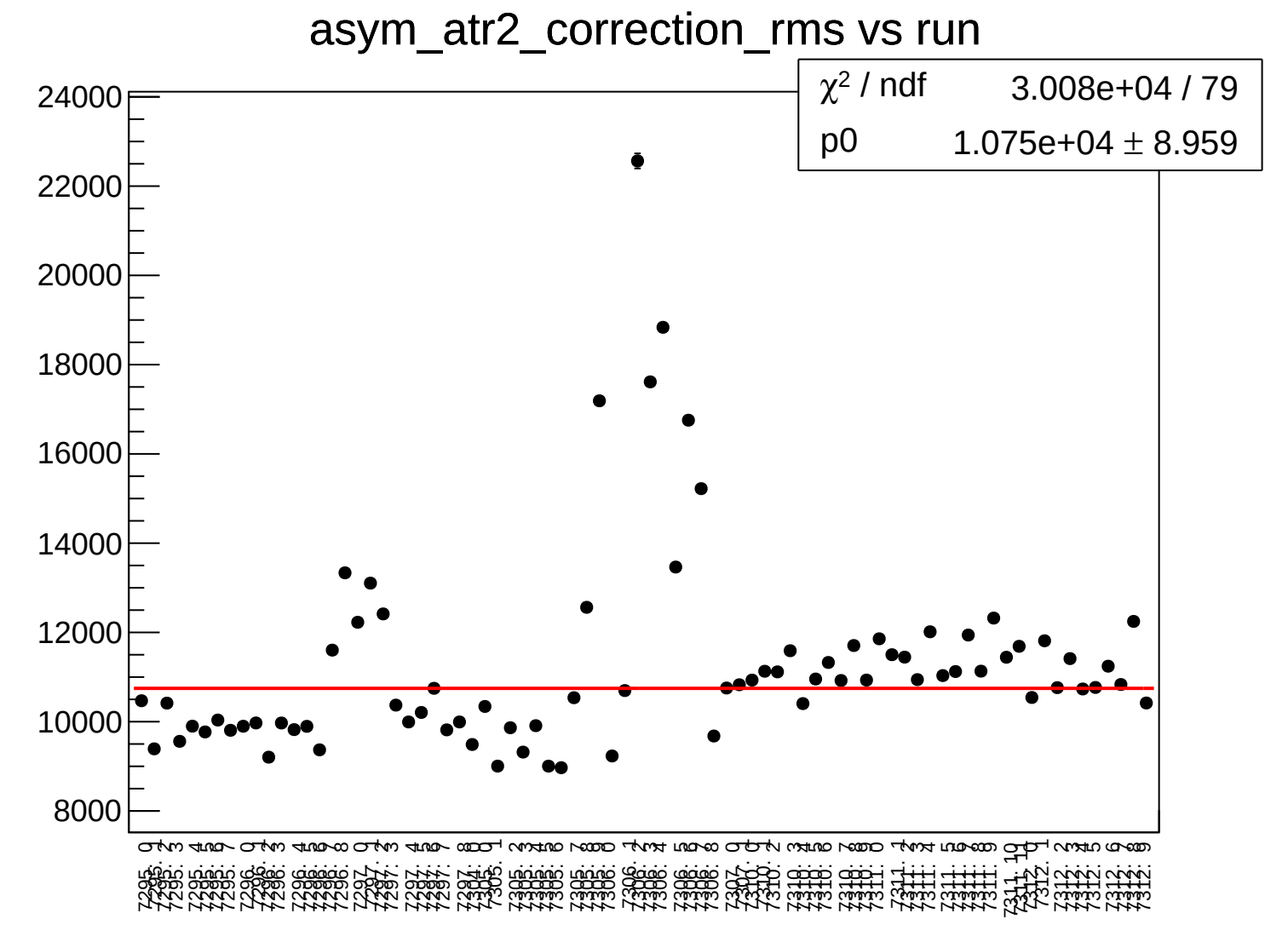

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 73.96 / 79
p0 −2848 ± 3201
100
50
0
−50
−100
pull
Entries 80
Mean 112.9
Std Dev 166.9
3
2
1
0
−1
−2

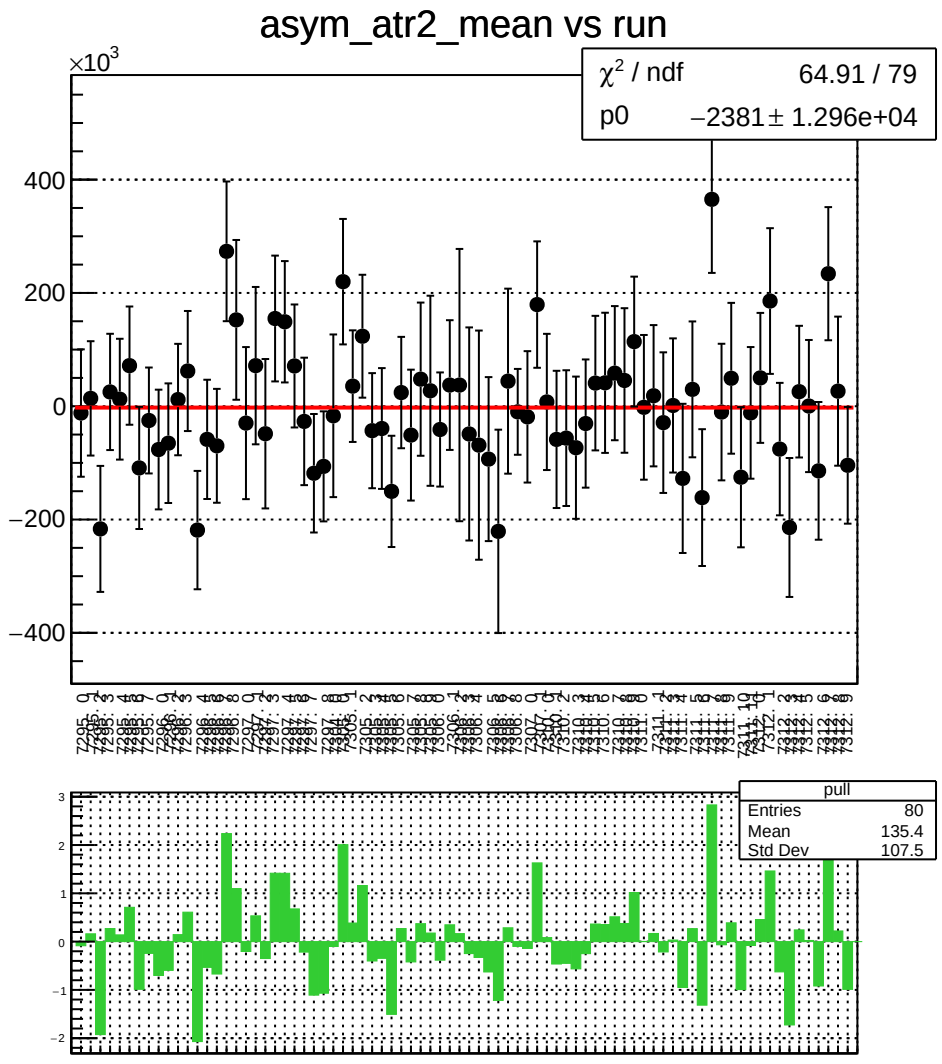

pull1D
Entries 80
Mean −0.003342
Std Dev 0.9615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

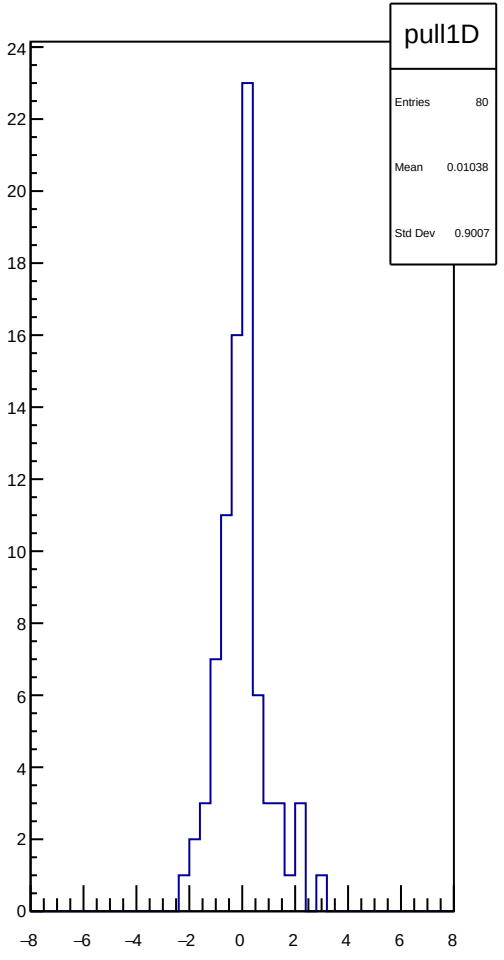

dit_asym_atr2_rms vs run
χ² / ndf 5357 / 79
p0 2738 ± 2.263
3400
3200
3000
2800
2600

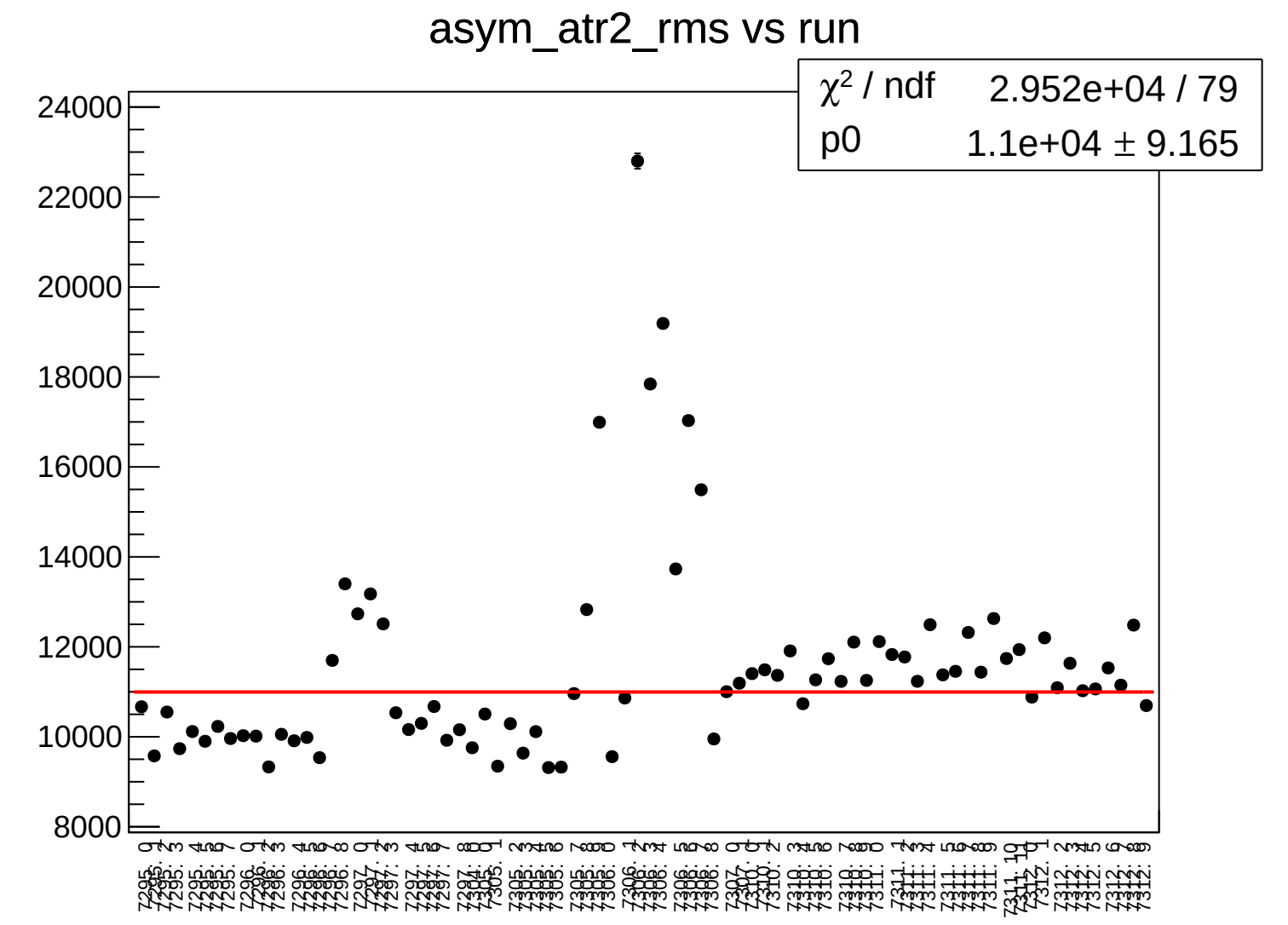

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 62.86 / 79
p0 85.82 ± 1.267e+04
pull
Entries 80
Mean 136.2
Std Dev 112.3

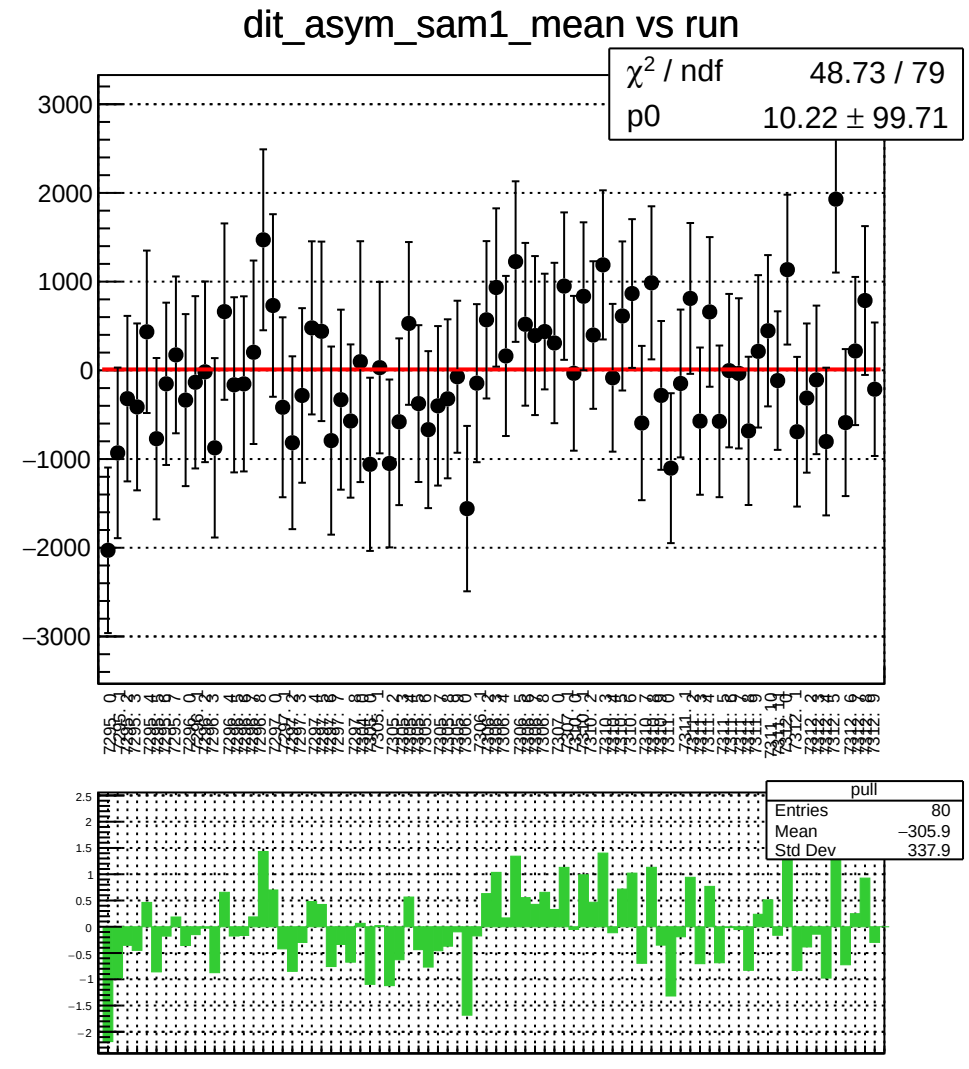

pull1D
Entries 80
Mean −0.01222
Std Dev 0.8863

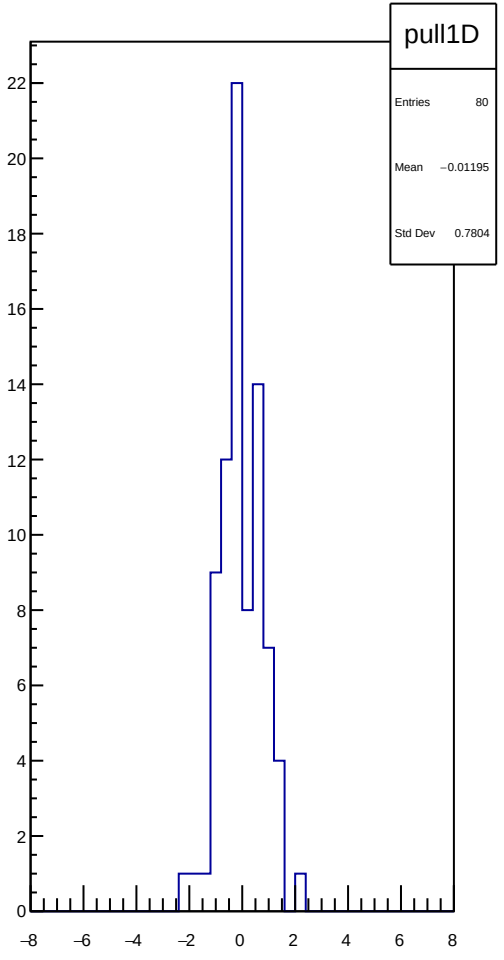

asym_atr2_correction_rms vs run
χ² / ndf 3.008e+04 / 79
p0 1.075e+04 ± 8.959
24000
22000
20000
18000
16000
14000
12000
10000
8000

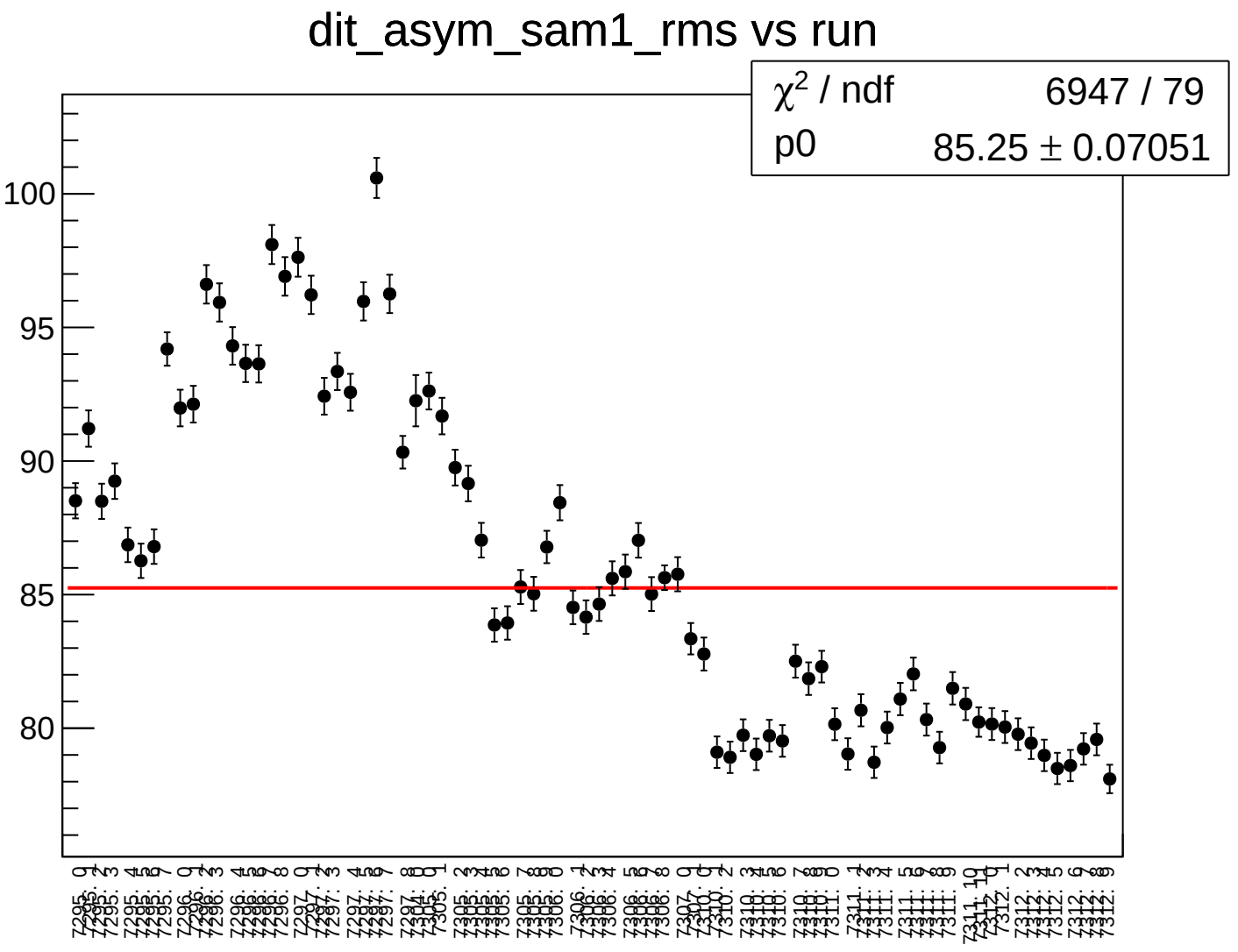

asym_atr2_mean vs run
×10^3
χ² / ndf 64.91 / 79
p0 −2381 ± 1.296e+04
400
200
0
−200
−400
pull
Entries 80
Mean 135.4
Std Dev 107.5
3
2
1
0
−1
−2

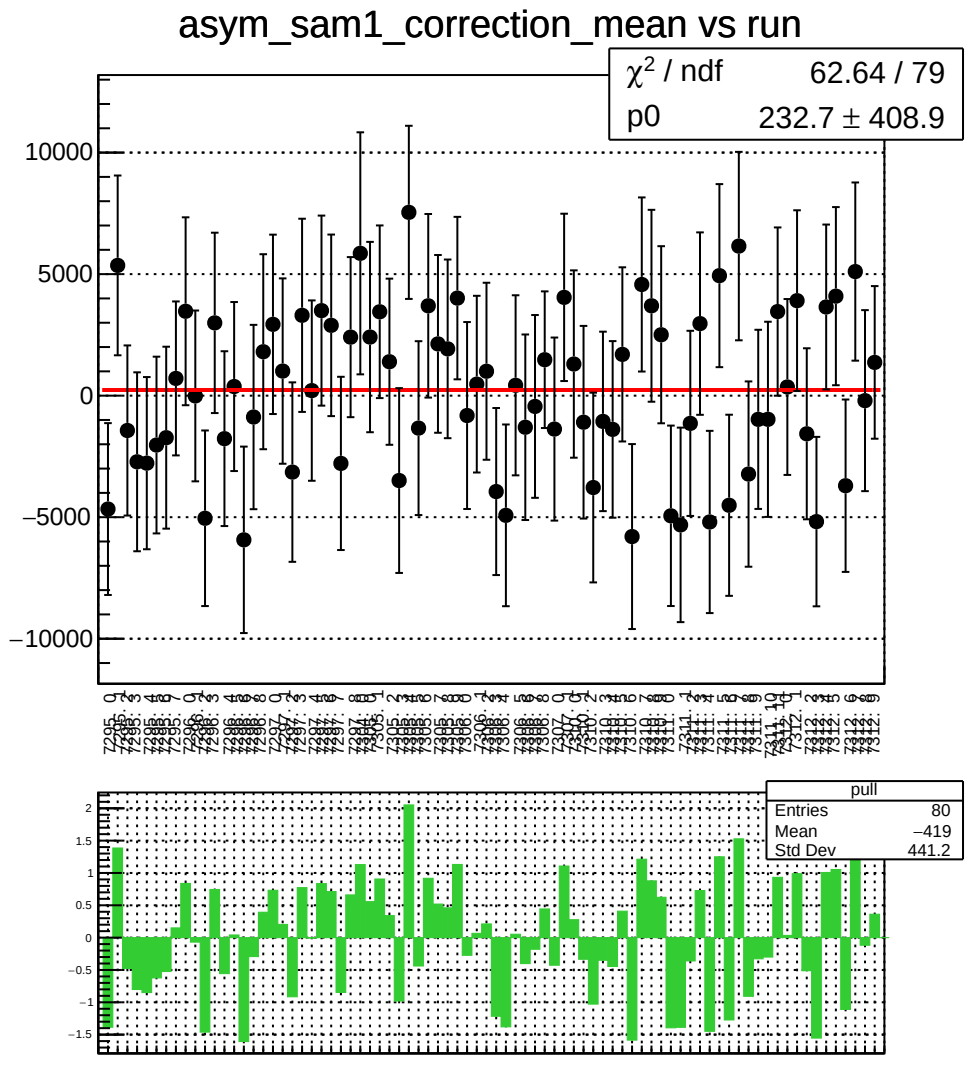

pull1D
Entries 80
Mean 0.01038
Std Dev 0.9007
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

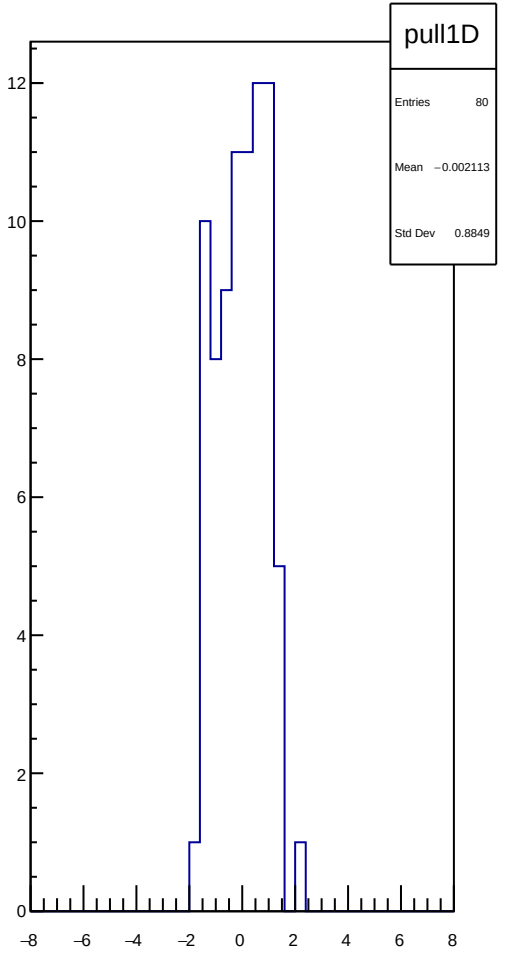

asym_atr2_rms vs run
χ^2 / ndf 2.952e+04 / 79
p0 1.1e+04 ± 9.165
24000
22000
20000
18000
16000
14000
12000
10000
8000

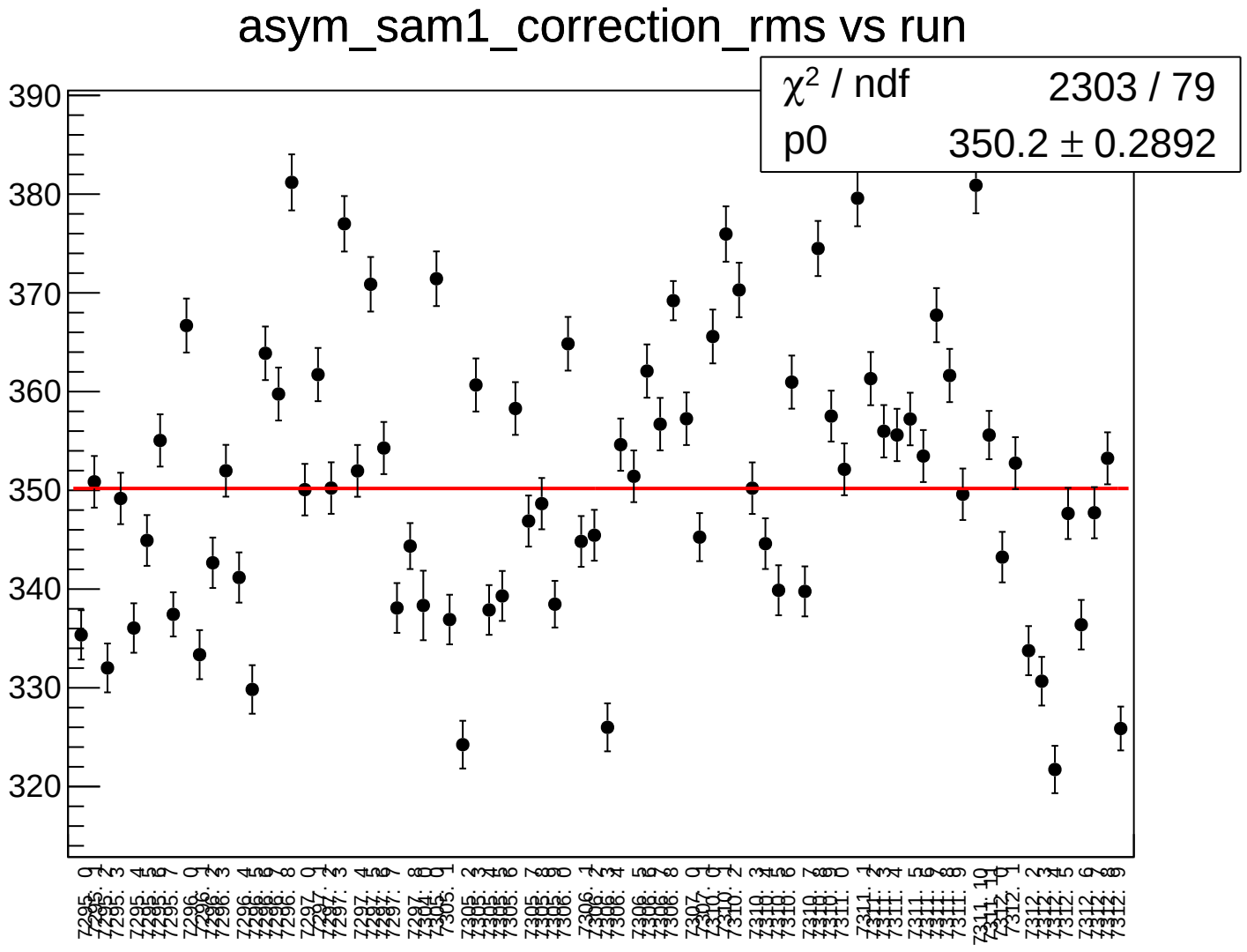

dit_asym_sam1_mean vs run
χ² / ndf 48.73 / 79
p0 10.22 ± 99.71
pull
Entries 80
Mean −305.9
Std Dev 337.9

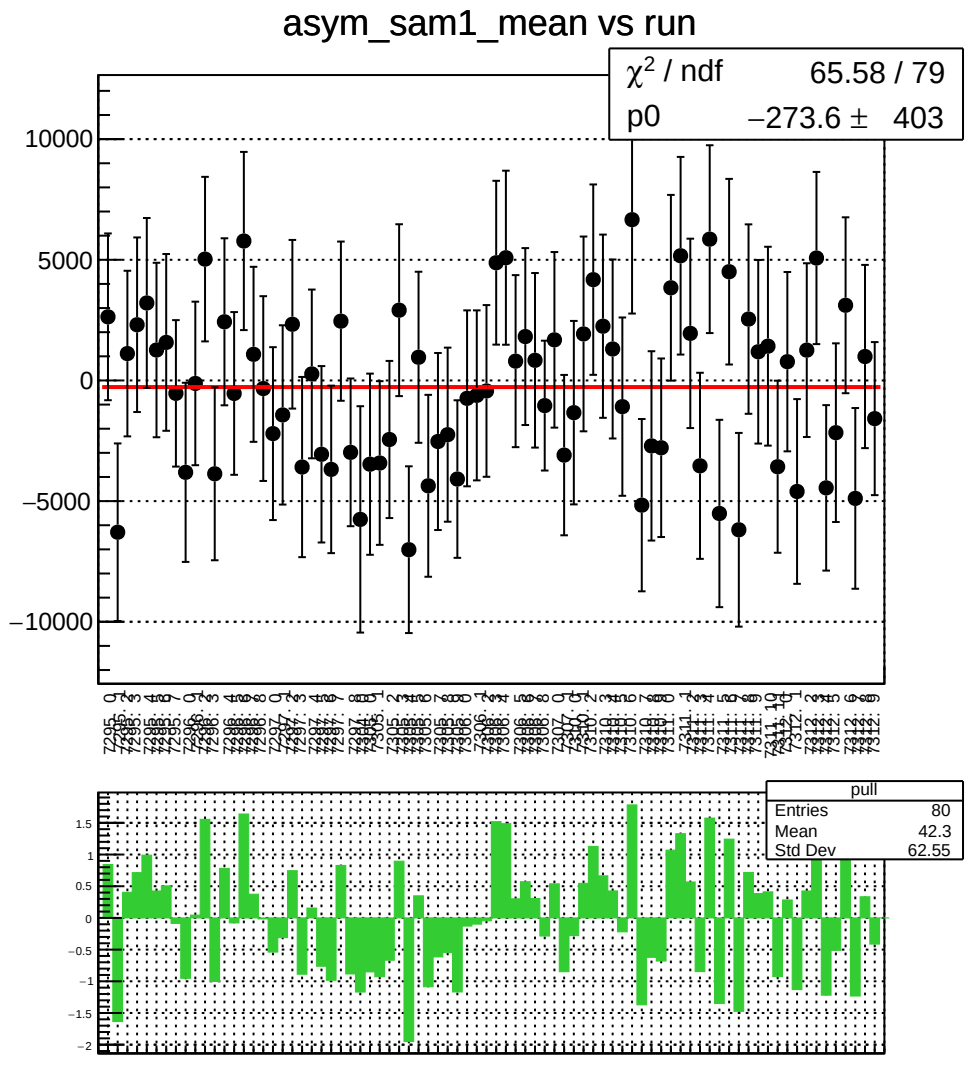

pull1D
Entries 80
Mean −0.01195
Std Dev 0.7804

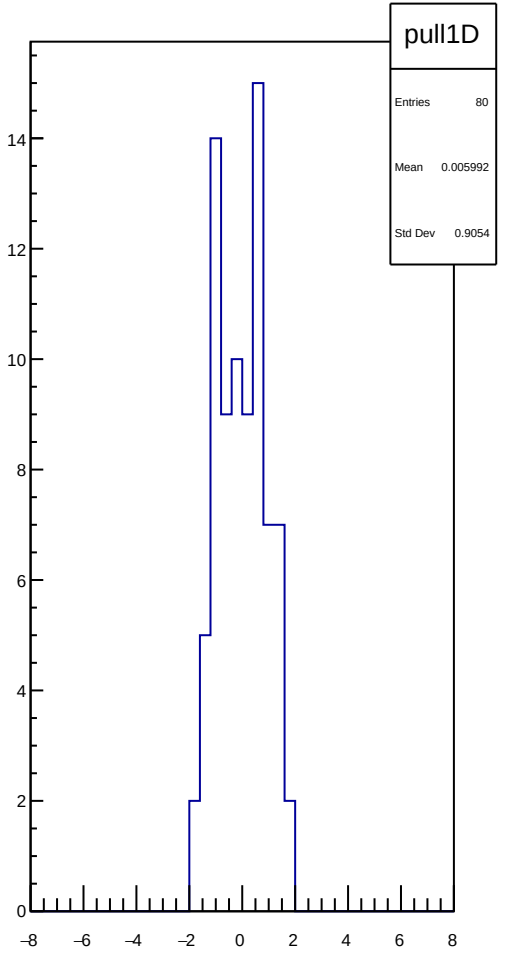

dit_asym_sam1_rms vs run
χ² / ndf 6947 / 79
p0 85.25 ± 0.07051
100
95
90
85
80

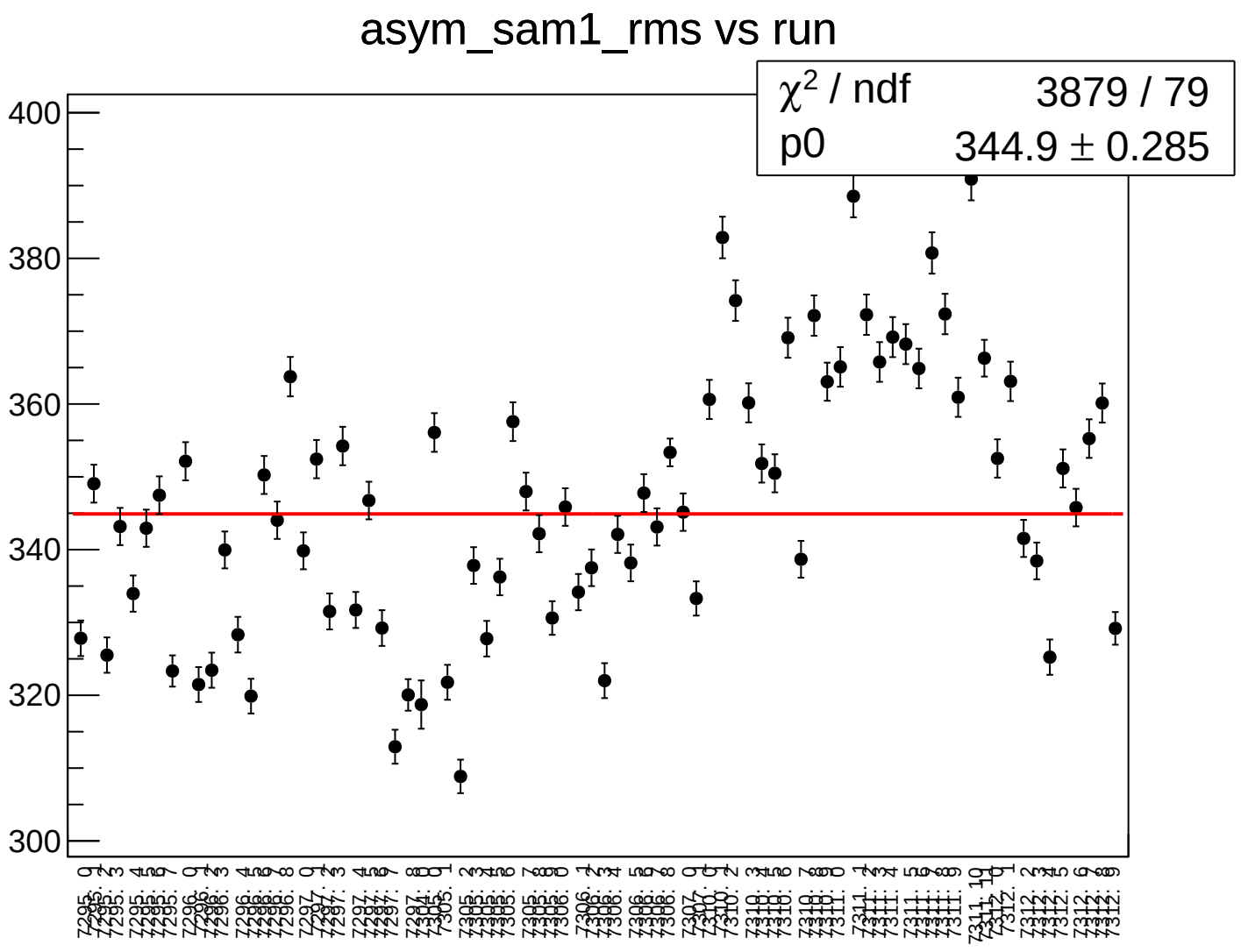

asym_sam1_correction_mean vs run
χ² / ndf 62.64 / 79
p0 232.7 ± 408.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −419
Std Dev 441.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

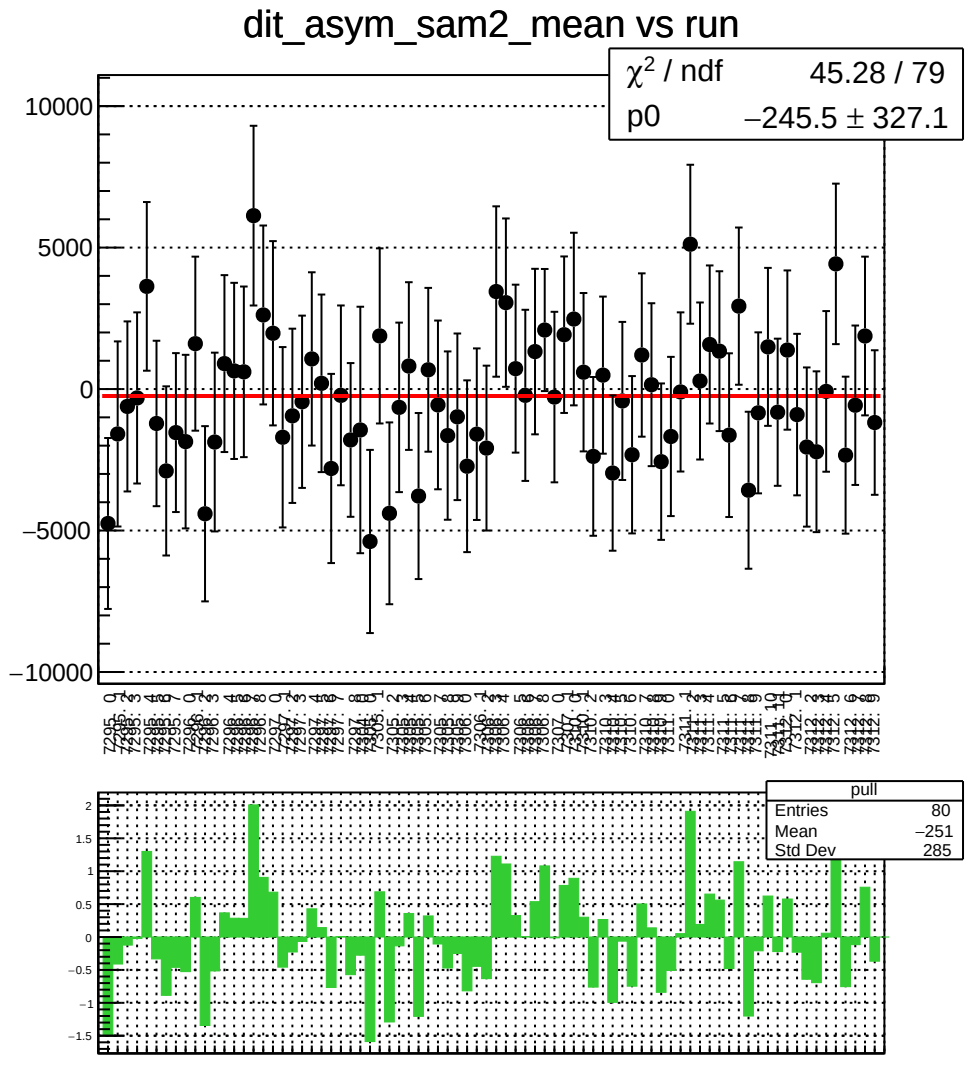

pull1D
Entries 80
Mean −0.002113
Std Dev 0.8849
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

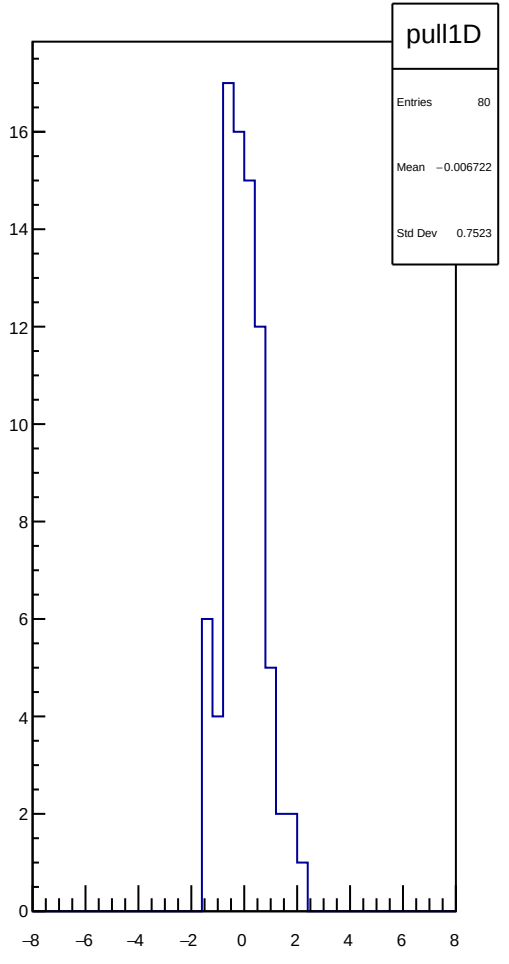

asym_sam1_correction_rms vs run
χ² / ndf 2303 / 79
p0 350.2 ± 0.2892
390
380
370
360
350
340
330
320

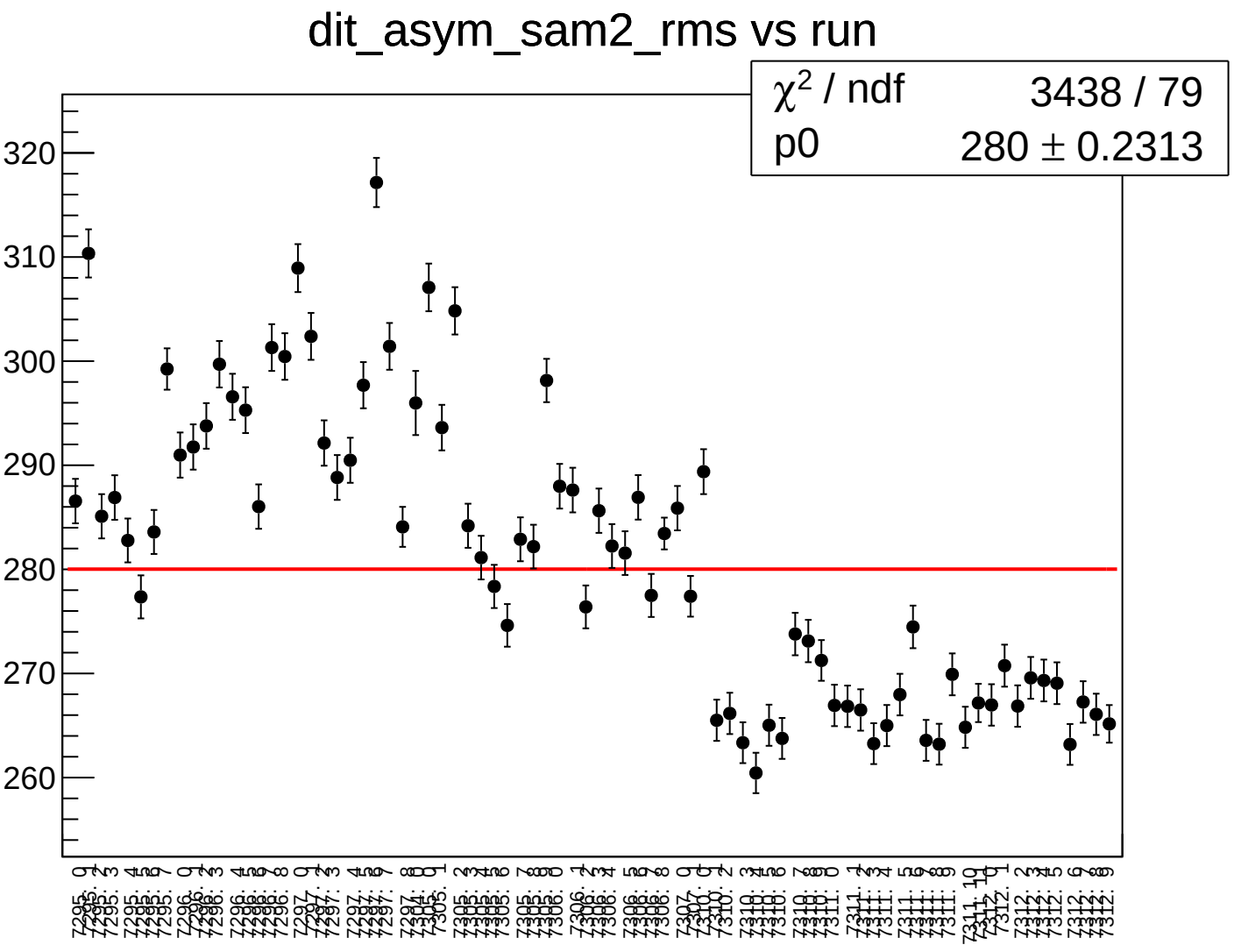

asym_sam1_mean vs run
χ² / ndf 65.58 / 79
p0 −273.6 ± 403
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 42.3
Std Dev 62.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2

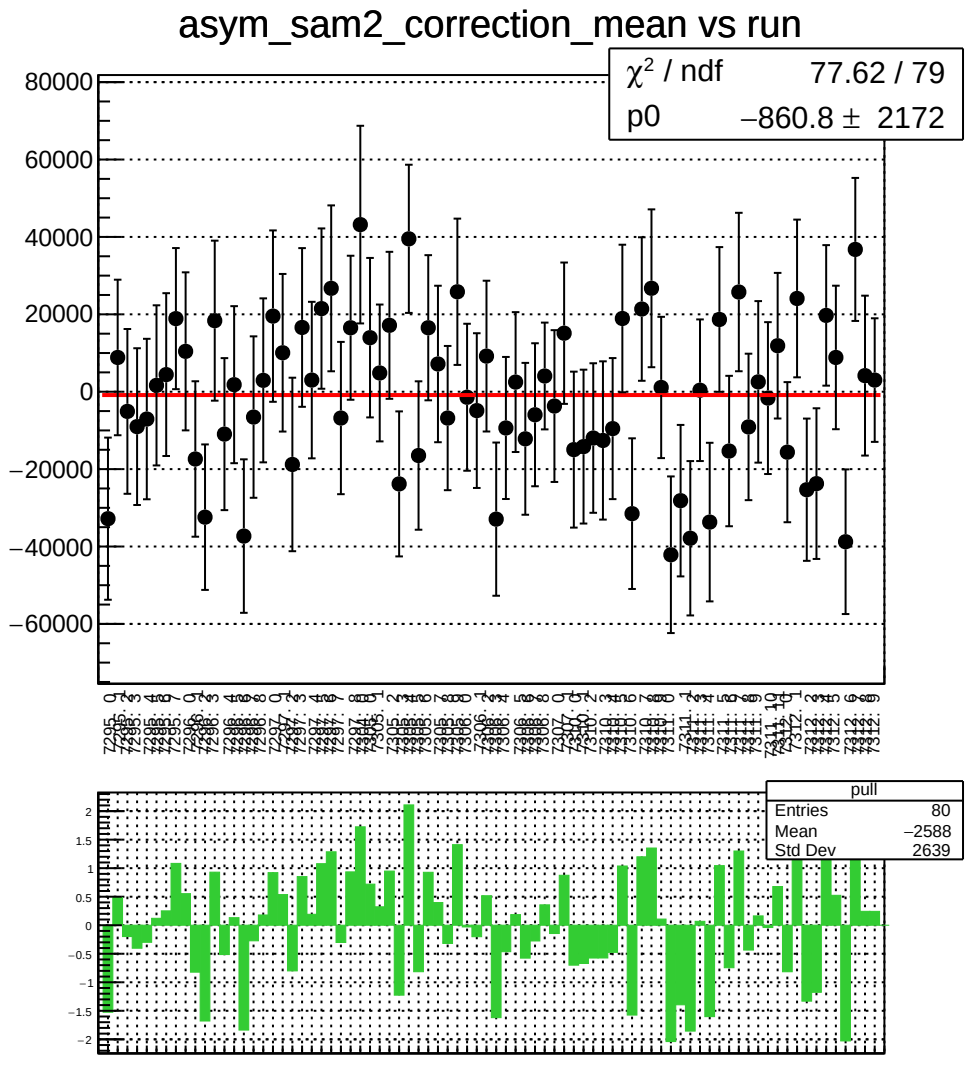

pull1D
Entries 80
Mean 0.005992
Std Dev 0.9054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

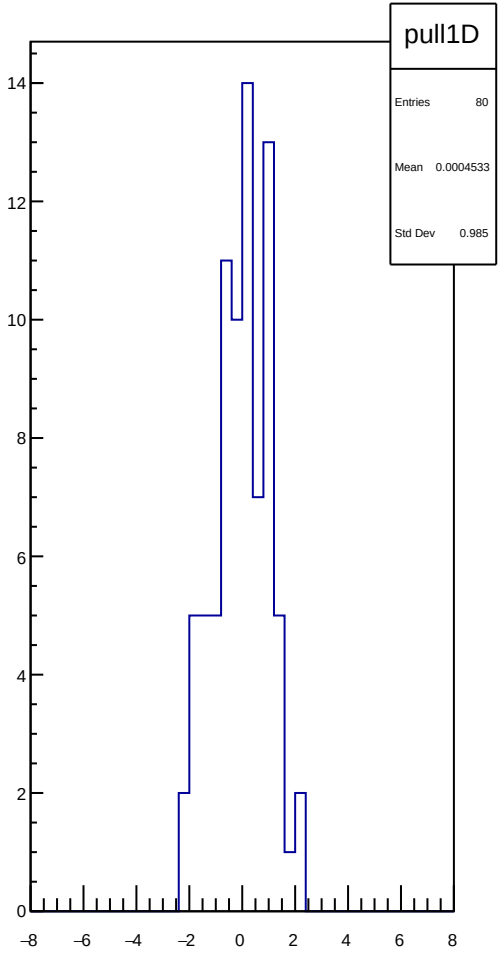

asym_sam1_rms vs run
χ² / ndf 3879 / 79
p0 344.9 ± 0.285
400
380
360
340
320
300

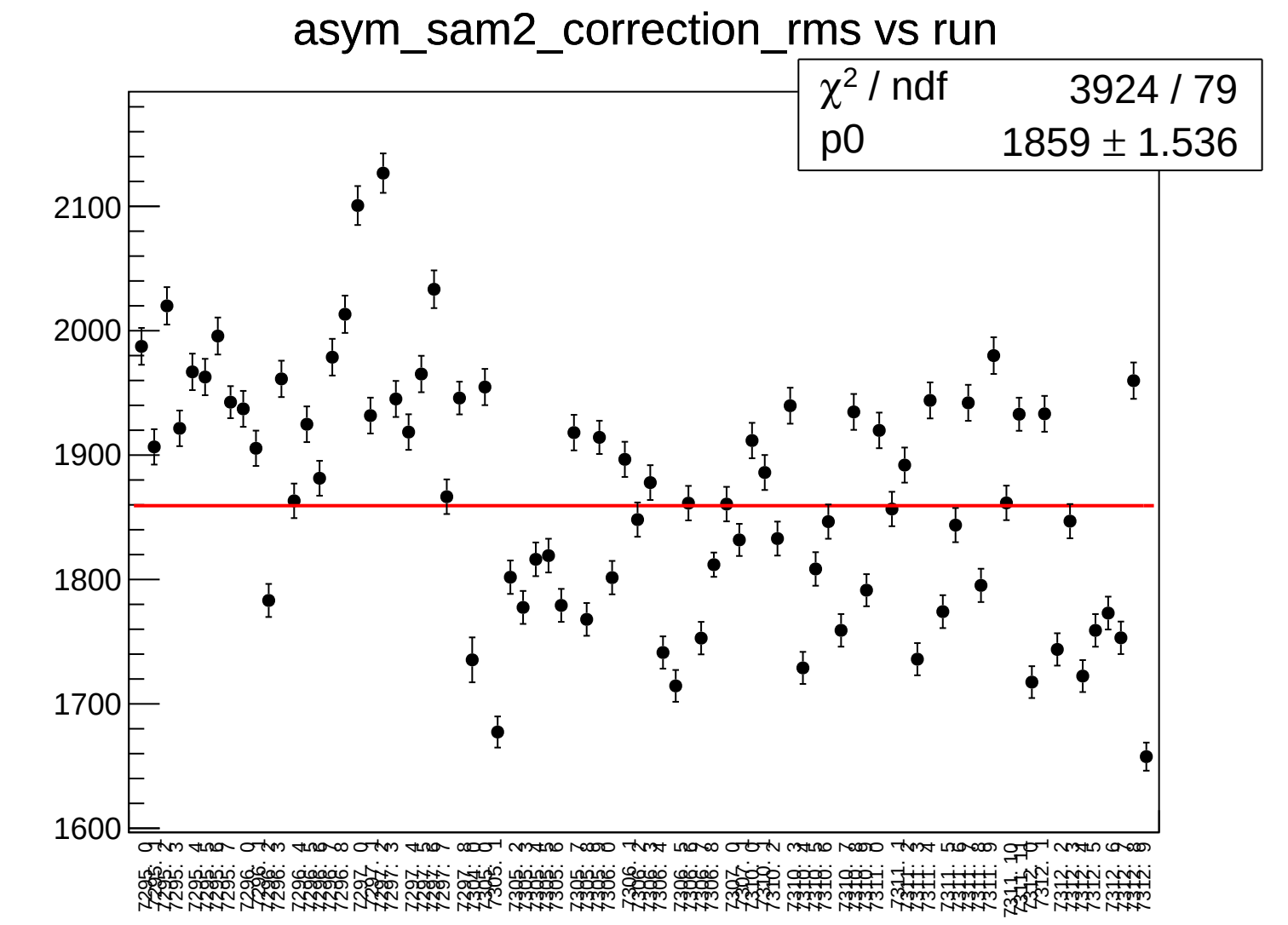

dit_asym_sam2_mean vs run
χ² / ndf 45.28 / 79
p0 −245.5 ± 327.1
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −251
Std Dev 285
2
1.5
1
0.5
0
−0.5
−1
−1.5

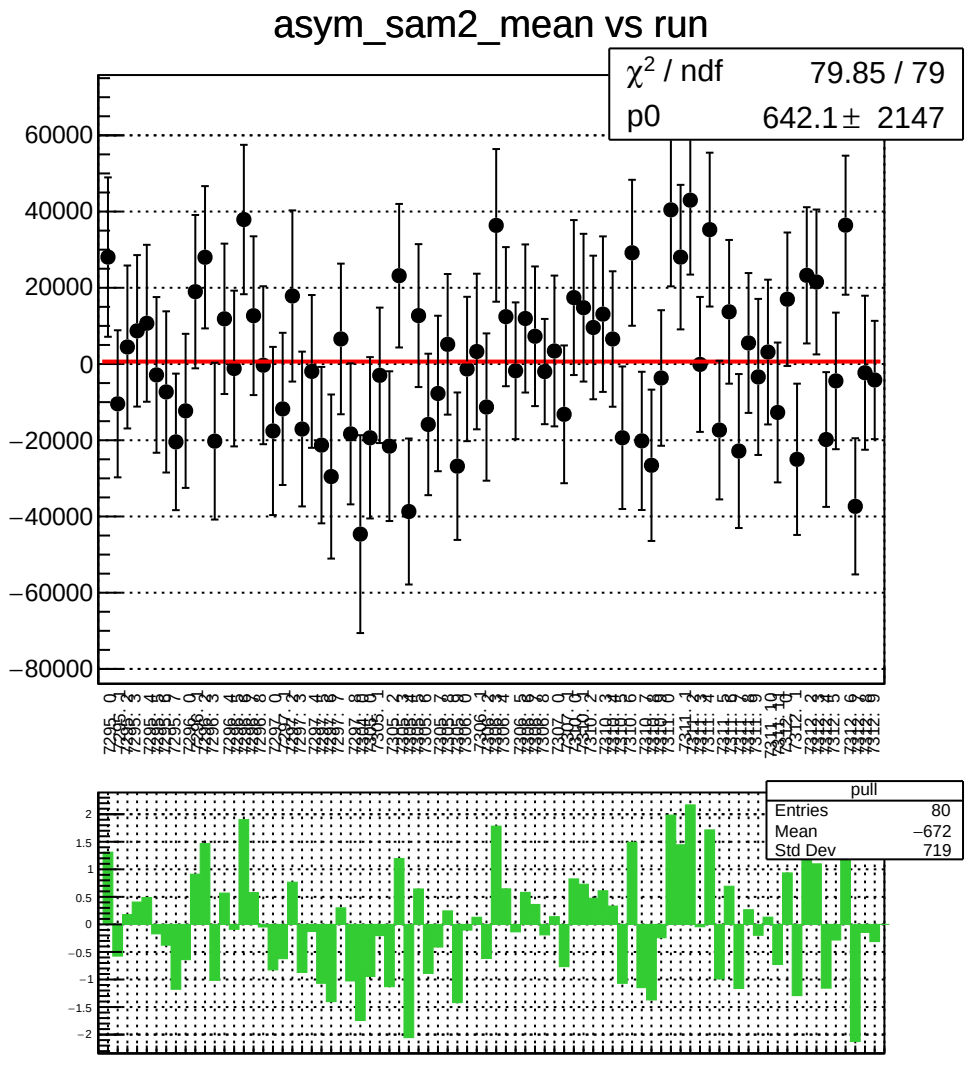

pull1D
Entries 80
Mean −0.006722
Std Dev 0.7523
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

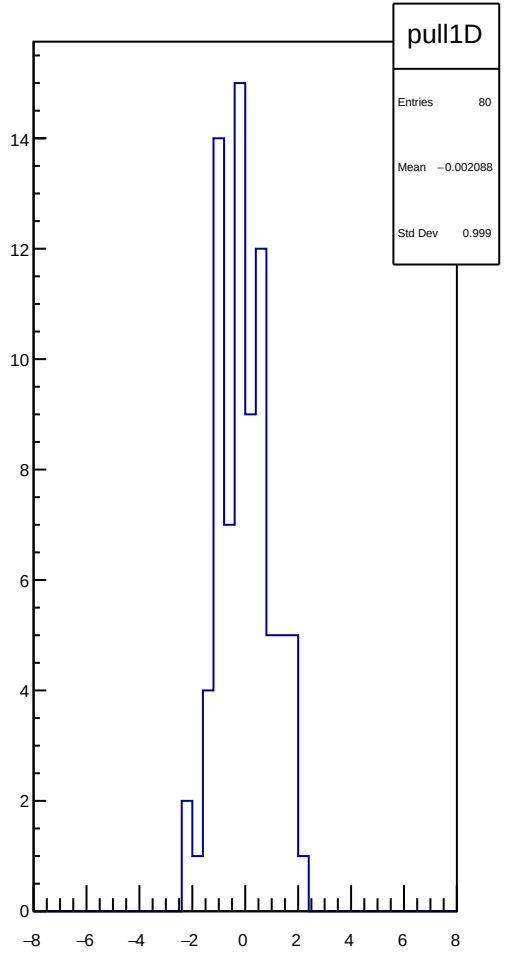

dit_asym_sam2_rms vs run
χ² / ndf 3438 / 79
p0 280 ± 0.2313
320
310
300
290
280
270
260

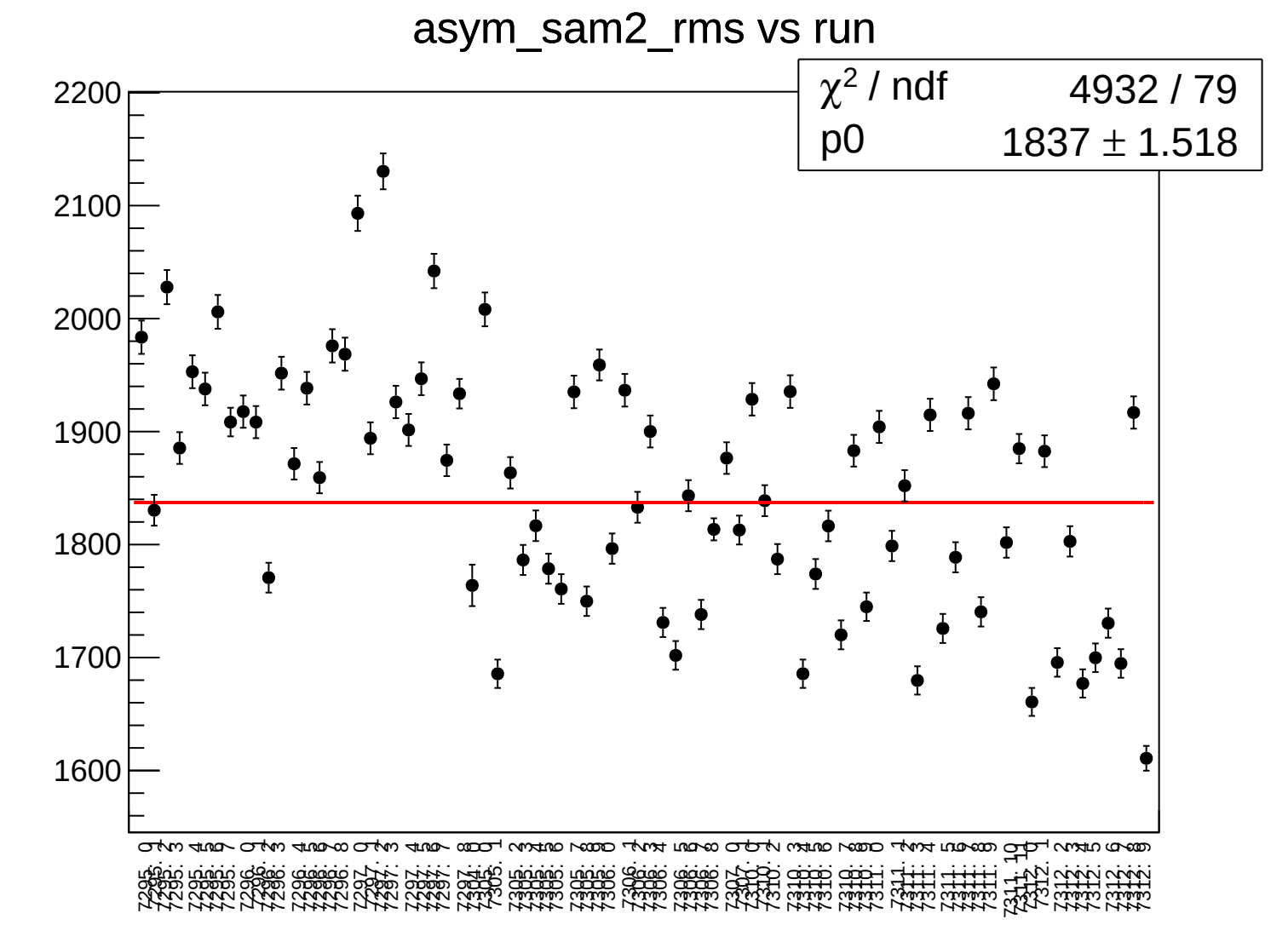

asym_sam2_correction_mean vs run
χ² / ndf 77.62 / 79
p0 −860.8 ± 2172
pull
Entries 80
Mean −2588
Std Dev 2639

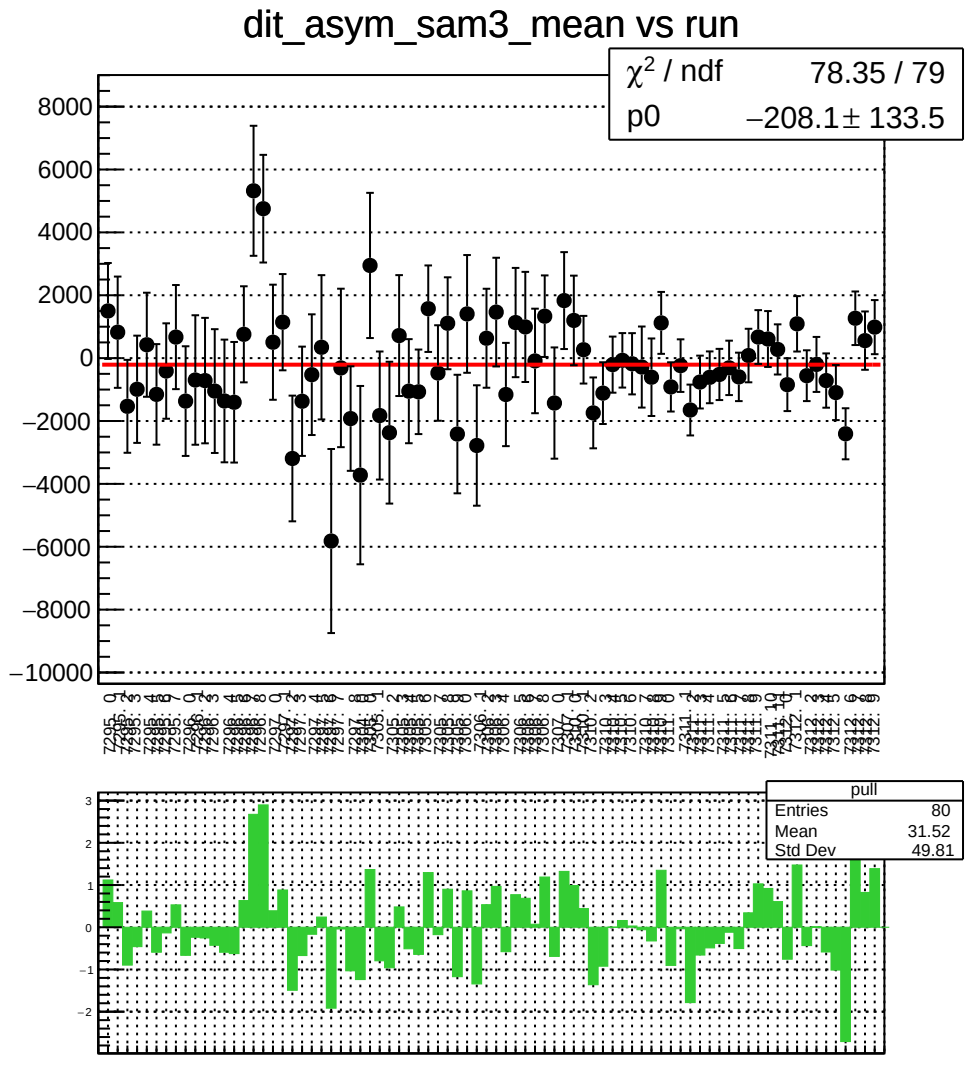

pull1D
Entries 80
Mean 0.0004533
Std Dev 0.985

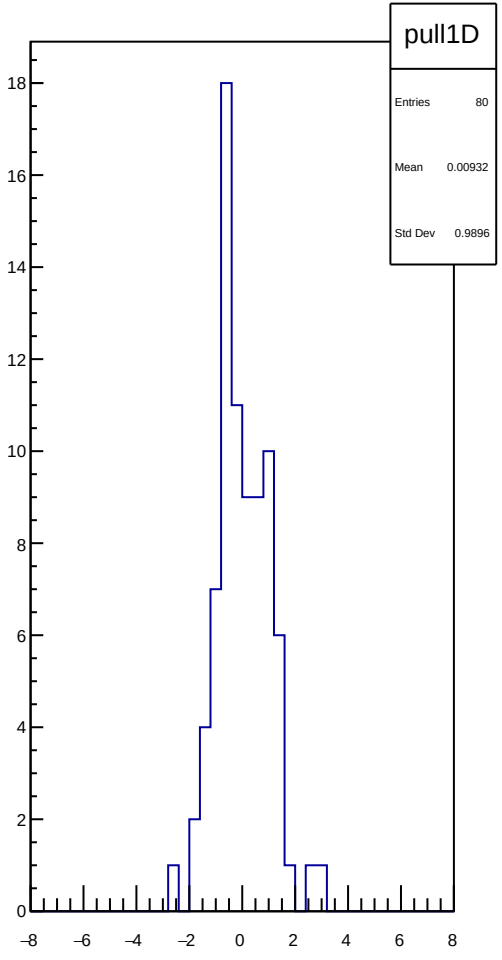

asym_sam2_correction_rms vs run
χ² / ndf 3924 / 79
p0 1859 ± 1.536
2100
2000
1900
1800
1700
1600

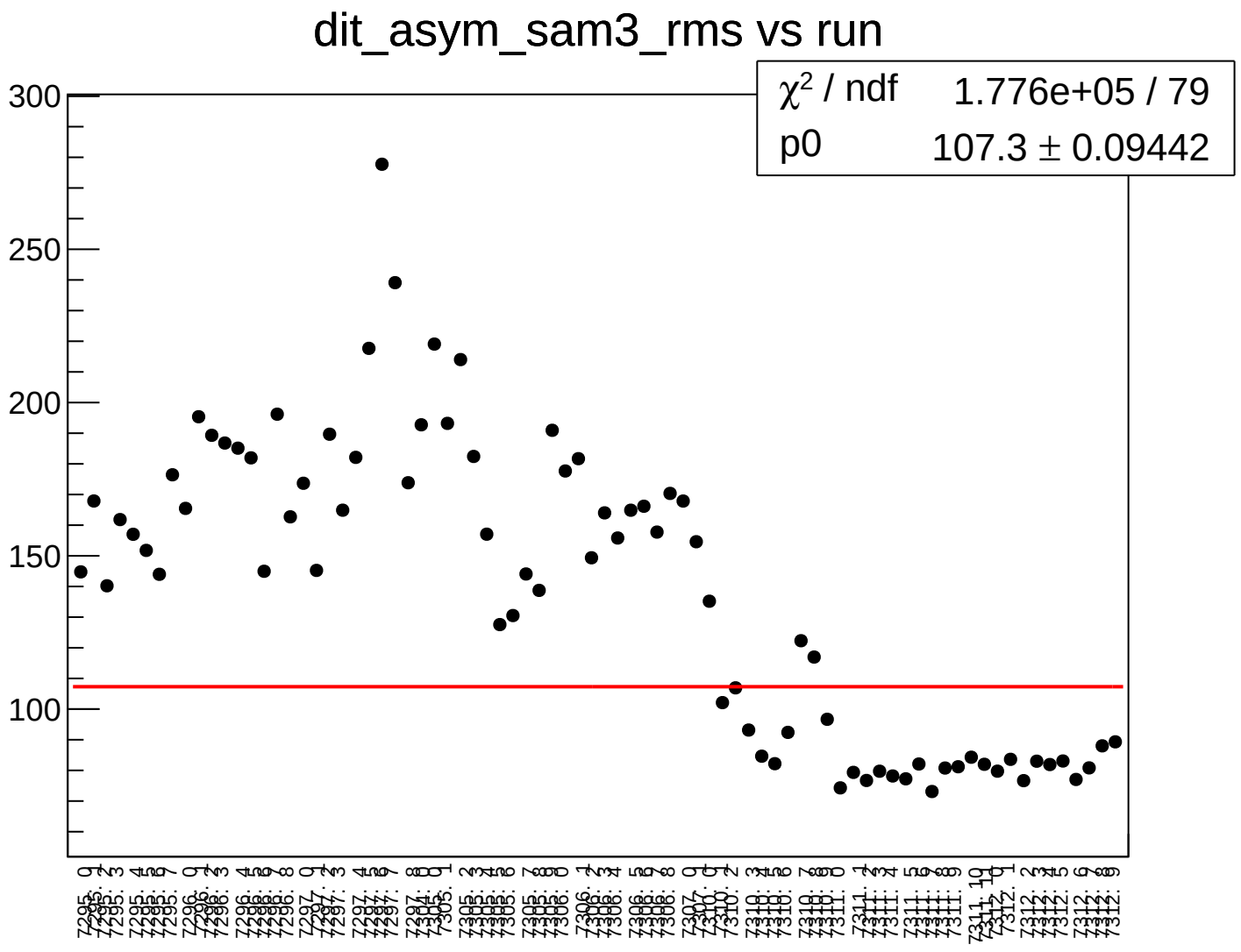

asym_sam2_mean vs run
χ² / ndf 79.85 / 79
p0 642.1 ± 2147
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −672
Std Dev 719
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

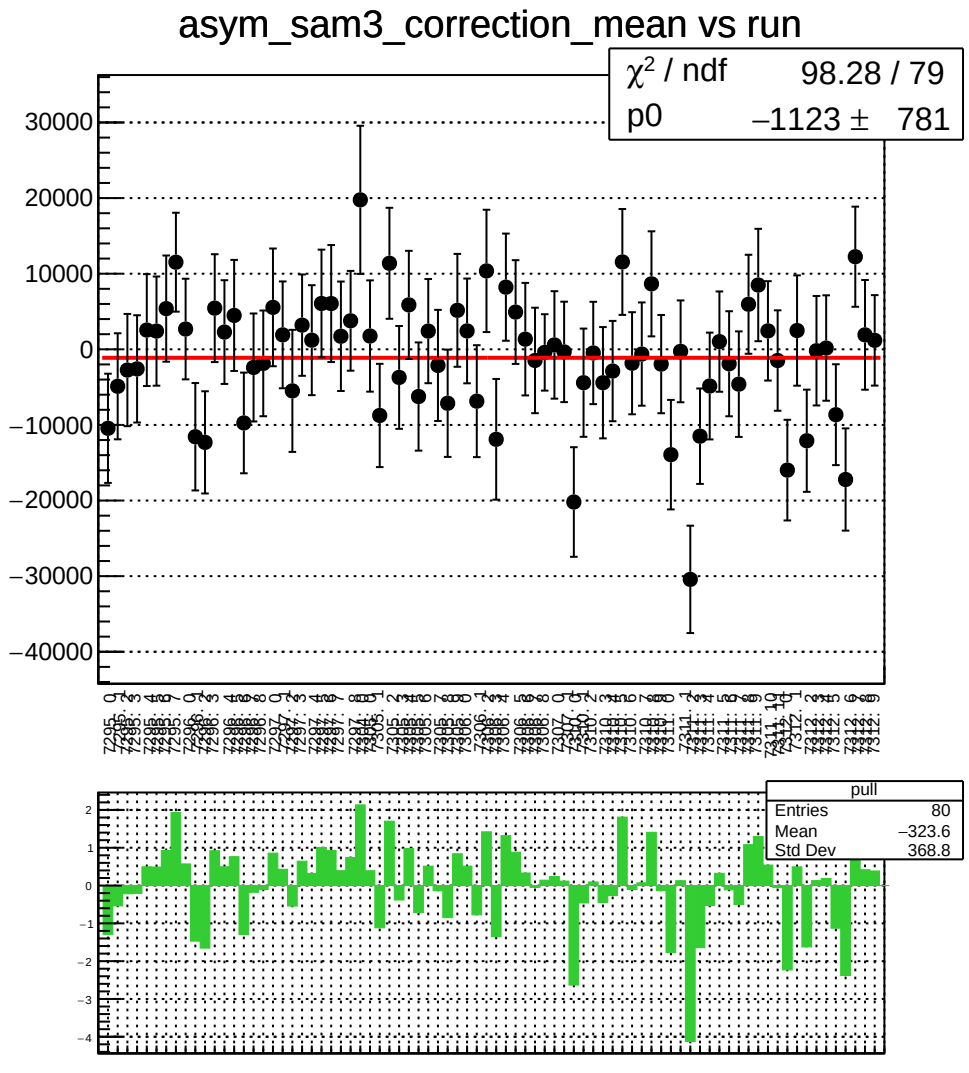

pull1D
Entries 80
Mean −0.002088
Std Dev 0.999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

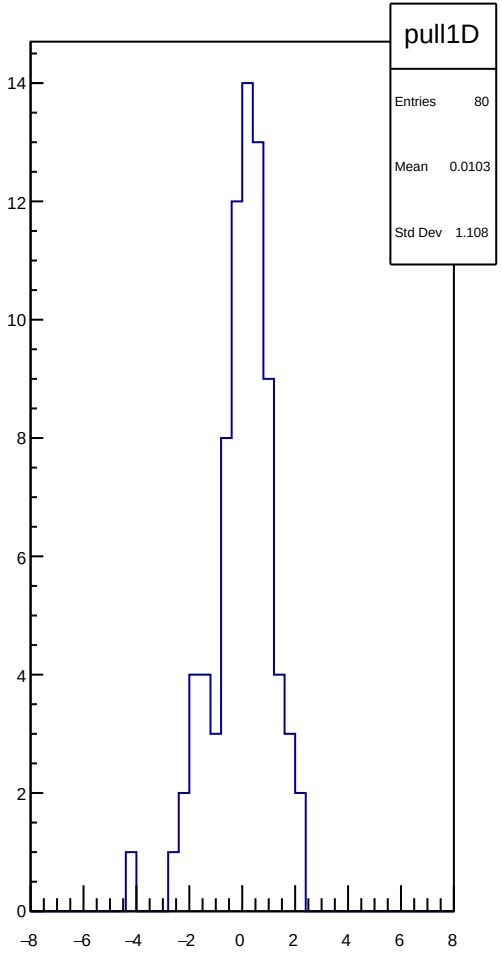

asym_sam2_rms vs run
χ^2 / ndf 4932 / 79
p0 1837 ± 1.518
2200
2100
2000
1900
1800
1700
1600

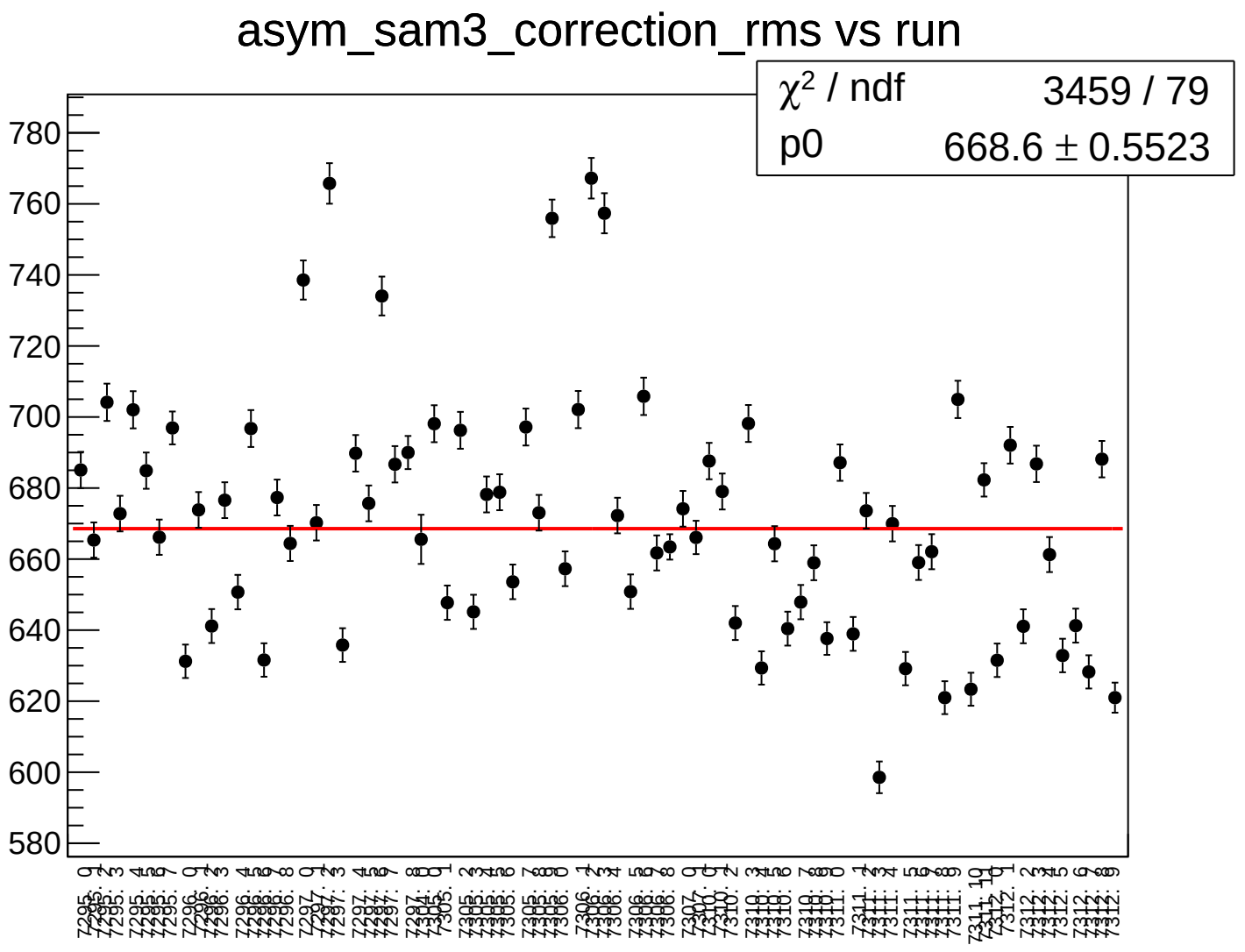

dit_asym_sam3_mean vs run
χ² / ndf 78.35 / 79
p0 −208.1± 133.5
pull
Entries 80
Mean 31.52
Std Dev 49.81

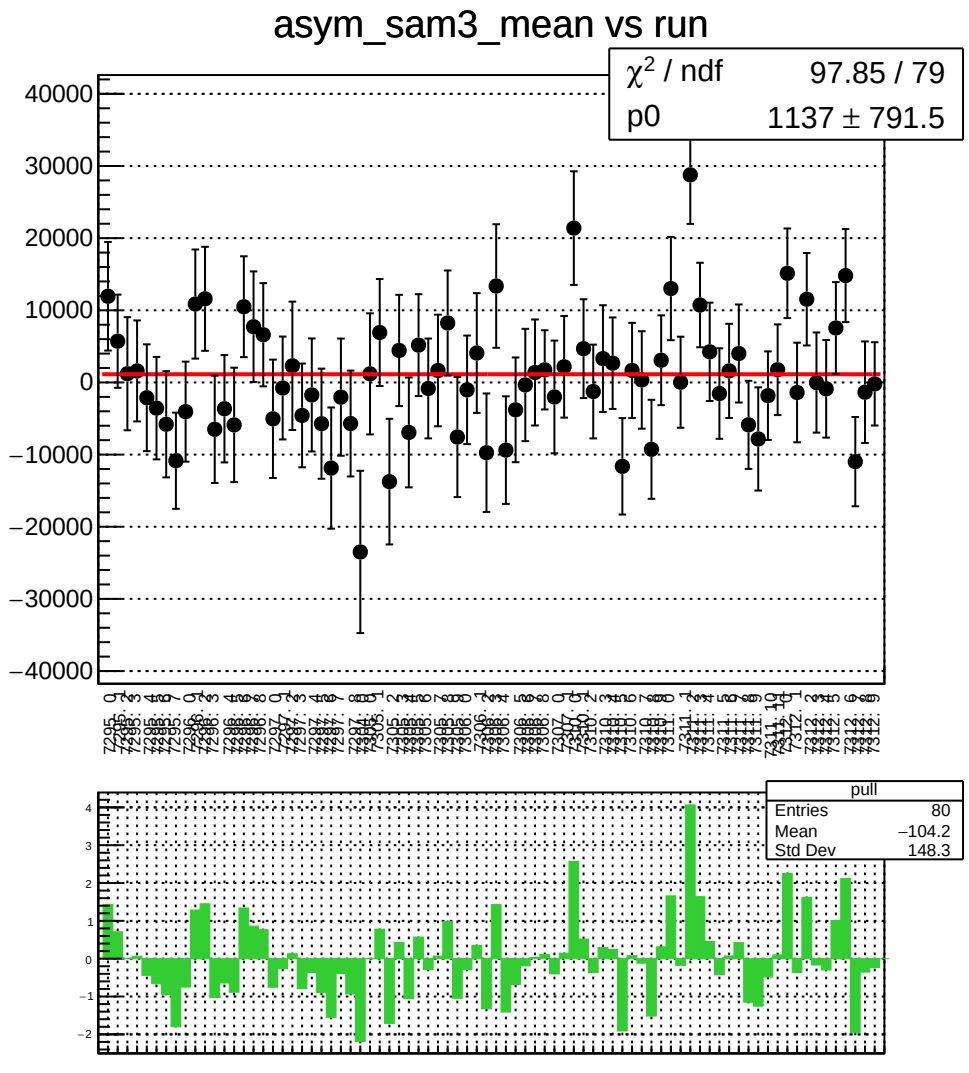

pull1D
Entries 80
Mean 0.00932
Std Dev 0.9896

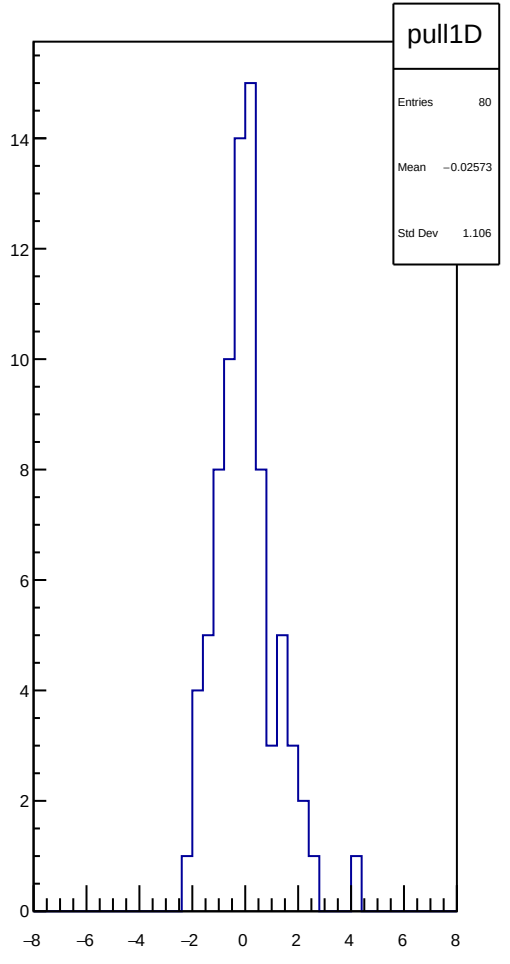

dit_asym_sam3_rms vs run
χ² / ndf 1.776e+05 / 79
p0 107.3 ± 0.09442
300
250
200
150
100

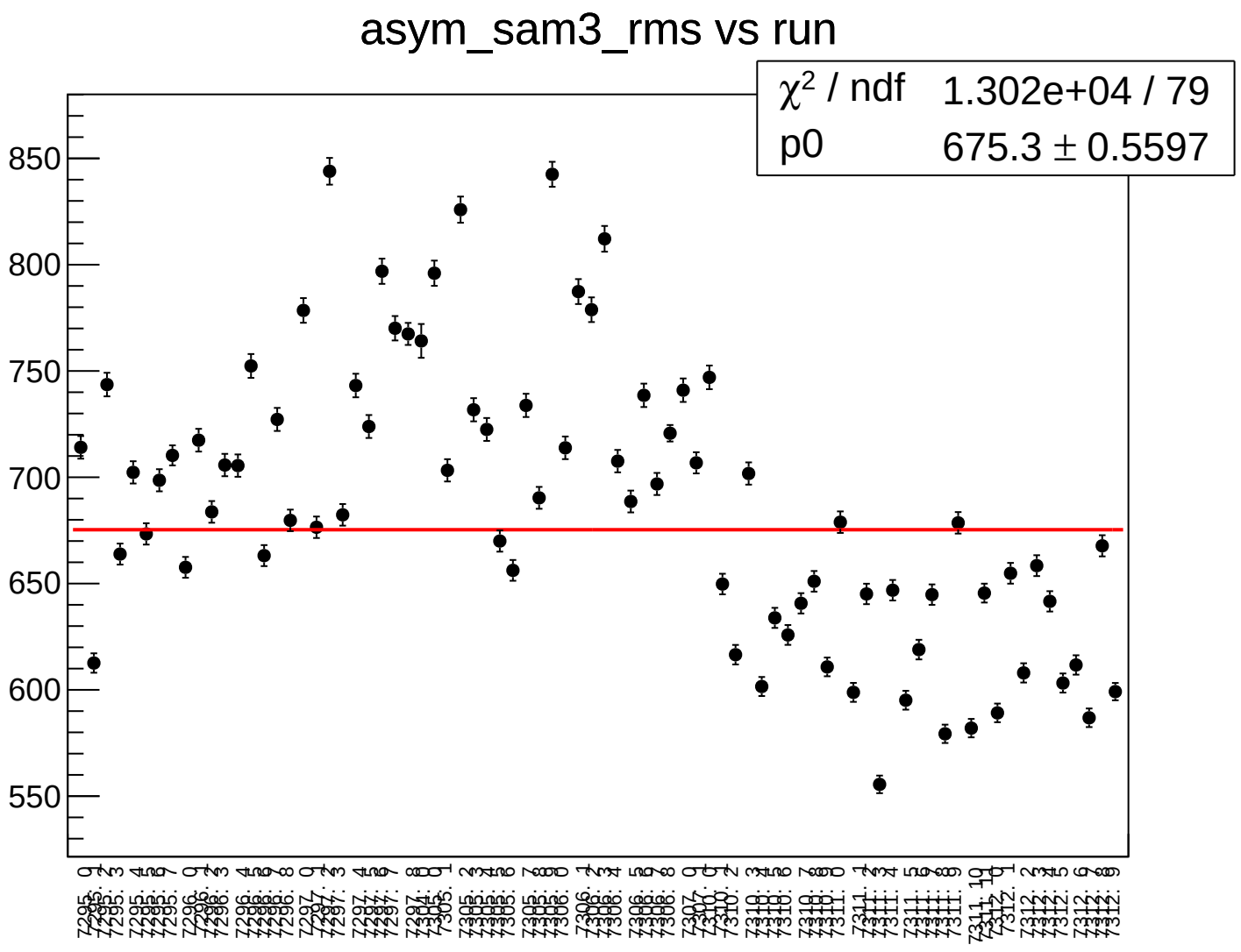

asym_sam3_correction_mean vs run
χ² / ndf 98.28 / 79
p0 −1123 ± 781
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −323.6
Std Dev 368.8
2
1
0
−1
−2
−3
−4

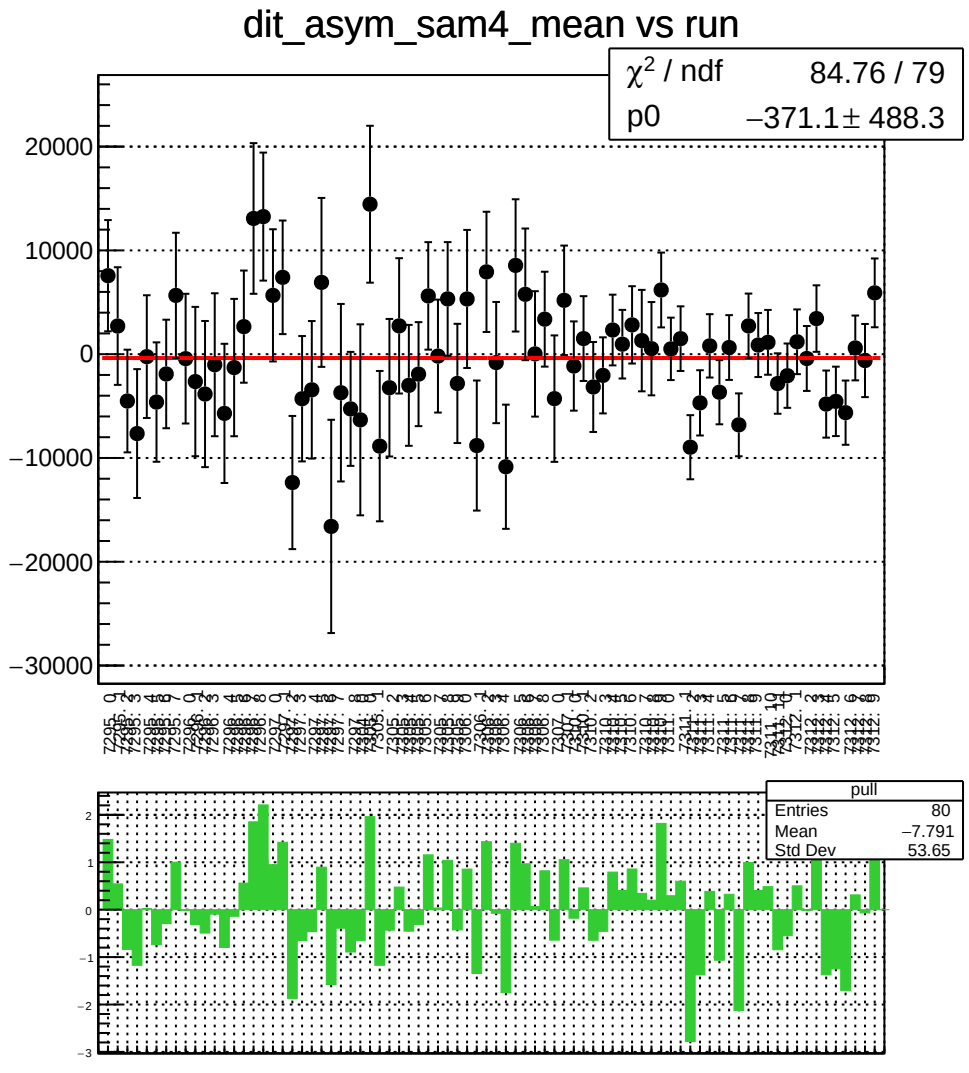

pull1D
Entries 80
Mean 0.0103
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

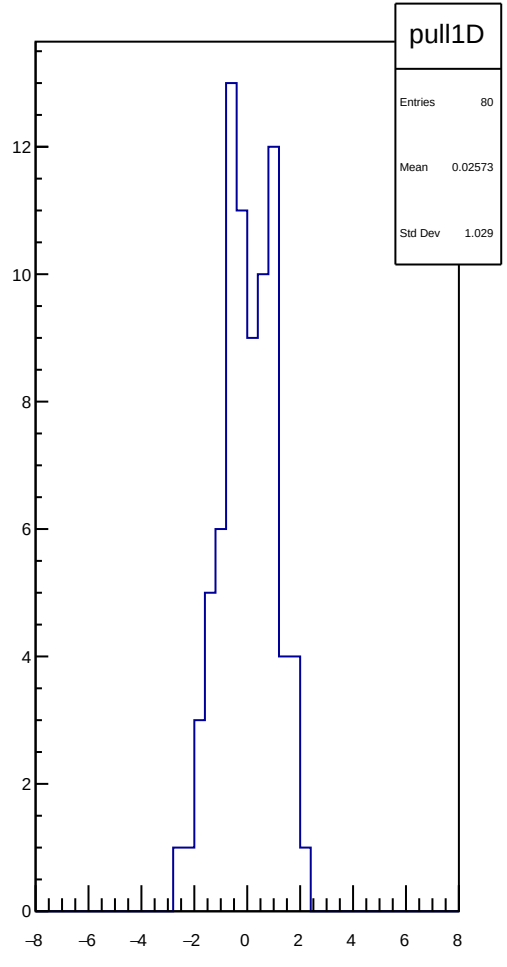

asym_sam3_correction_rms vs run
χ² / ndf 3459 / 79
p0 668.6 ± 0.5523
780
760
740
720
700
680
660
640
620
600
580

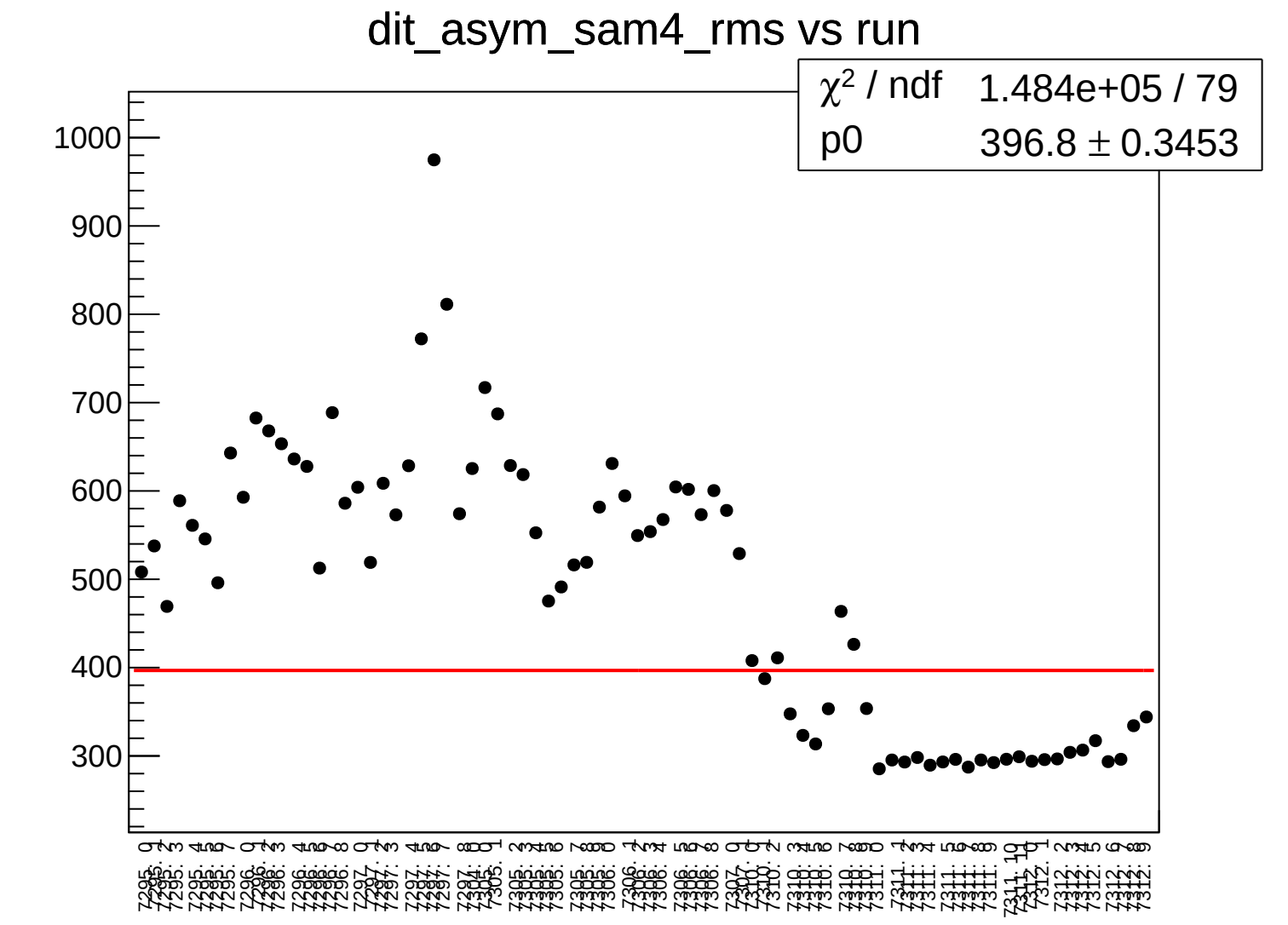

asym_sam3_mean vs run
χ² / ndf 97.85 / 79
p0 1137 ± 791.5
pull
Entries 80
Mean −104.2
Std Dev 148.3

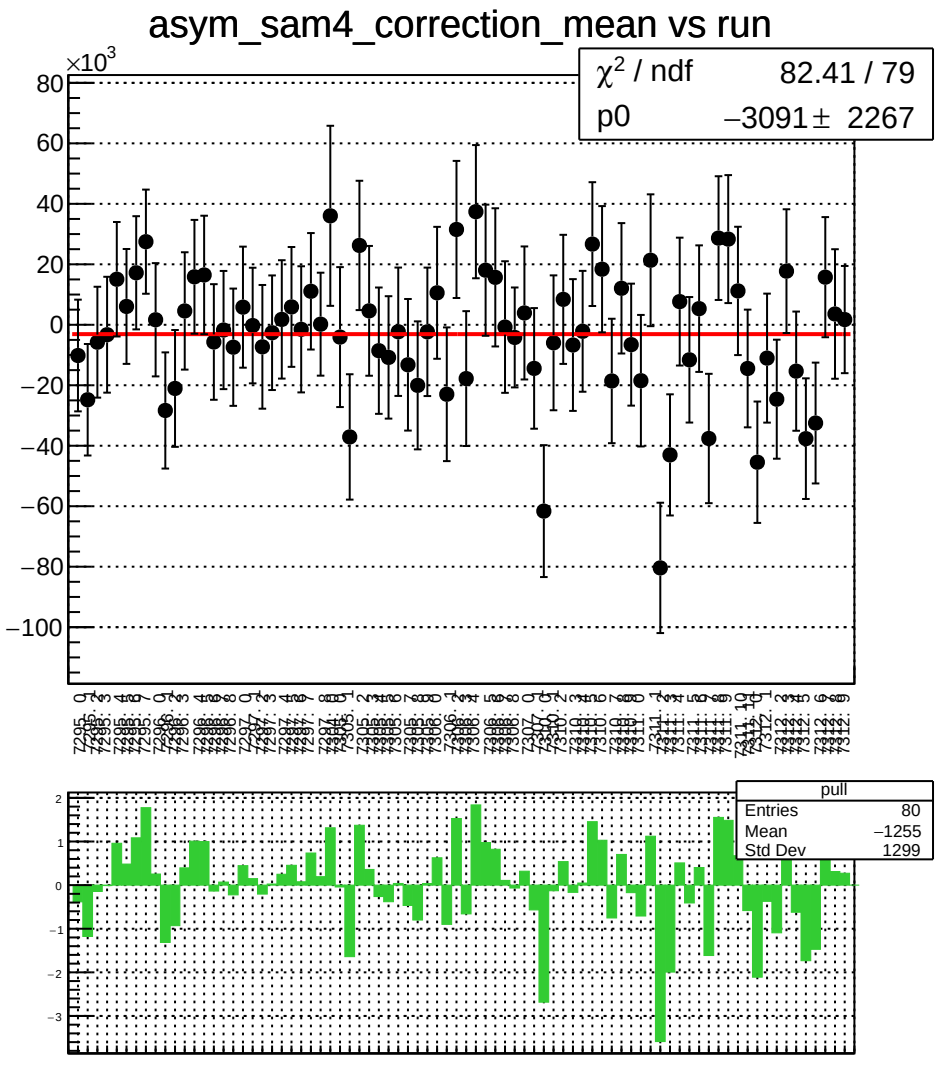

pull1D
Entries 80
Mean −0.02573
Std Dev 1.106

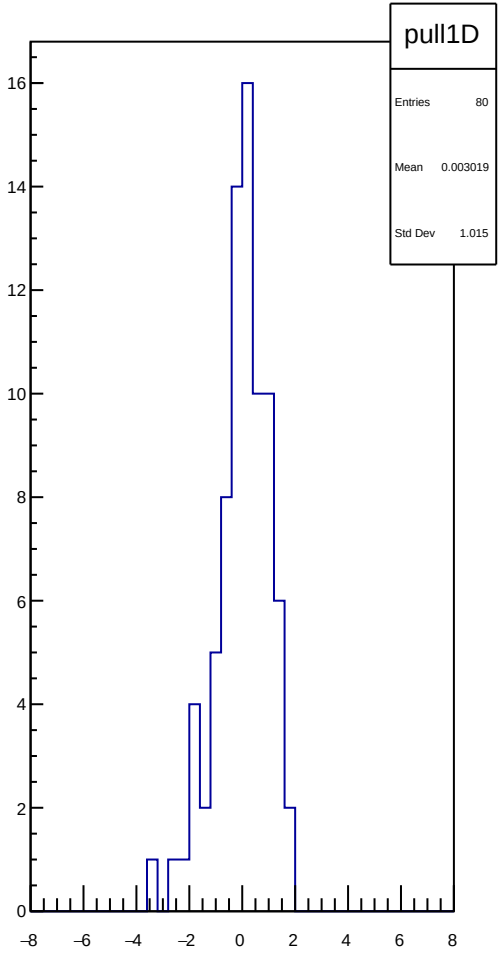

asym_sam3_rms vs run
χ² / ndf 1.302e+04 / 79
p0 675.3 ± 0.5597
850
800
750
700
650
600
550

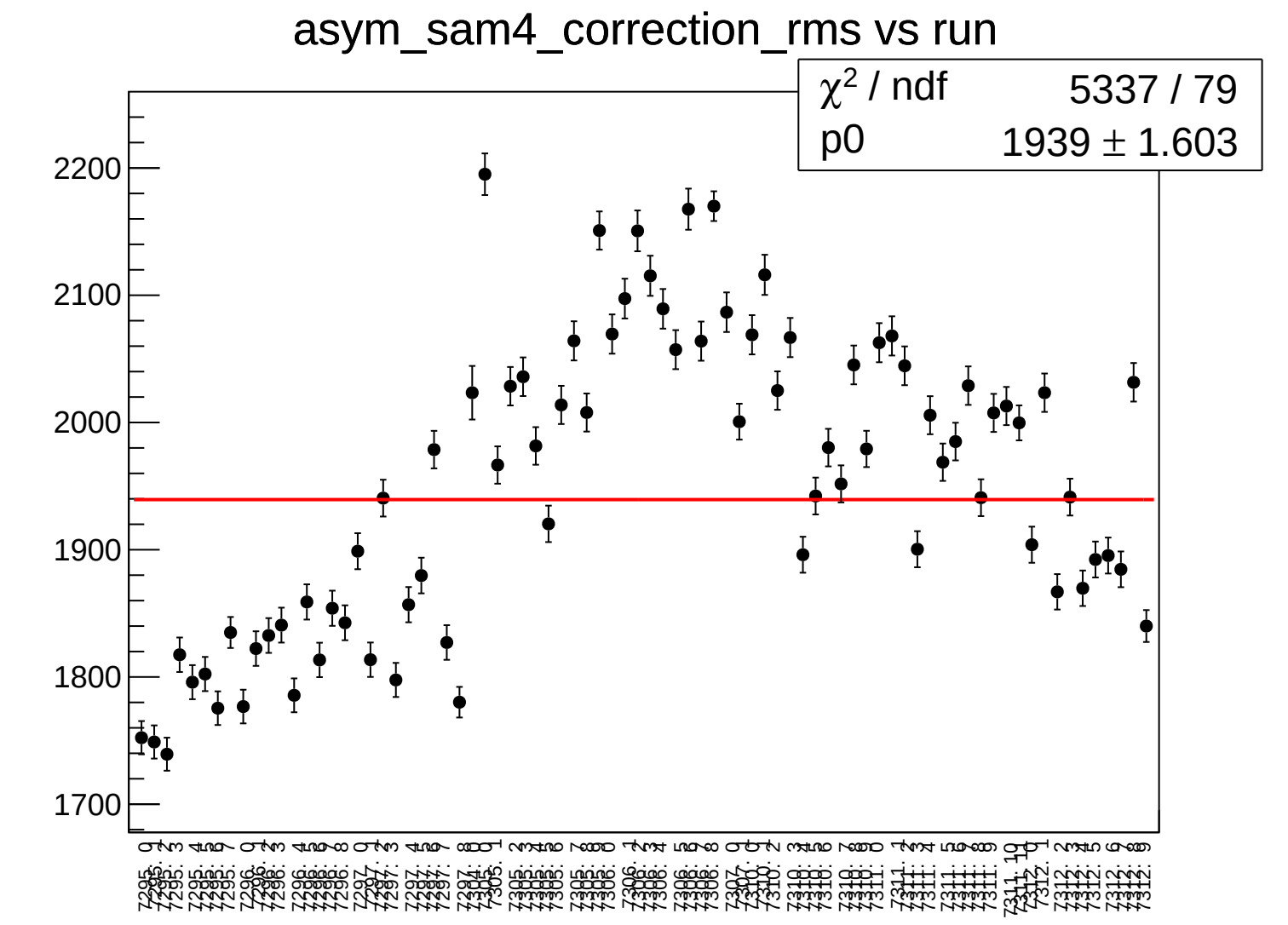

dit_asym_sam4_mean vs run
χ² / ndf 84.76 / 79
p0 −371.1 ± 488.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −7.791
Std Dev 53.65
2
1
0
−1
−2
−3

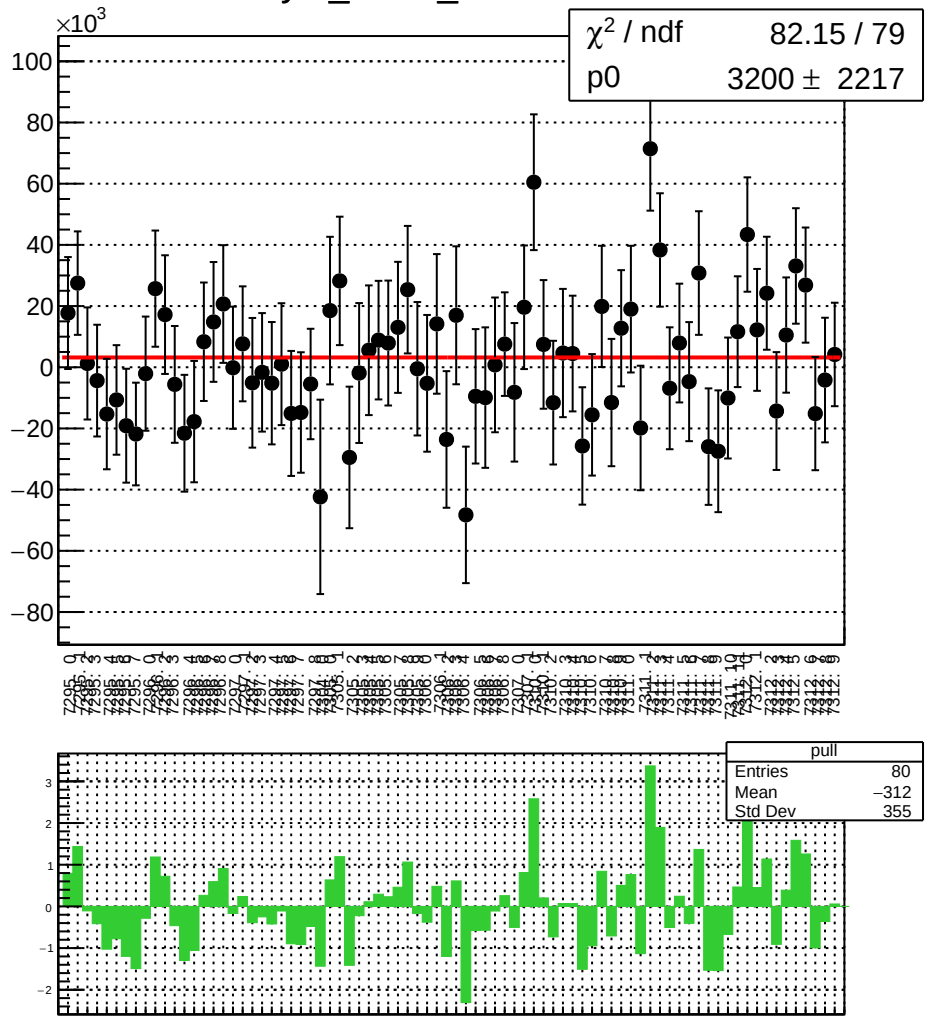

pull1D
Entries 80
Mean 0.02573
Std Dev 1.029
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

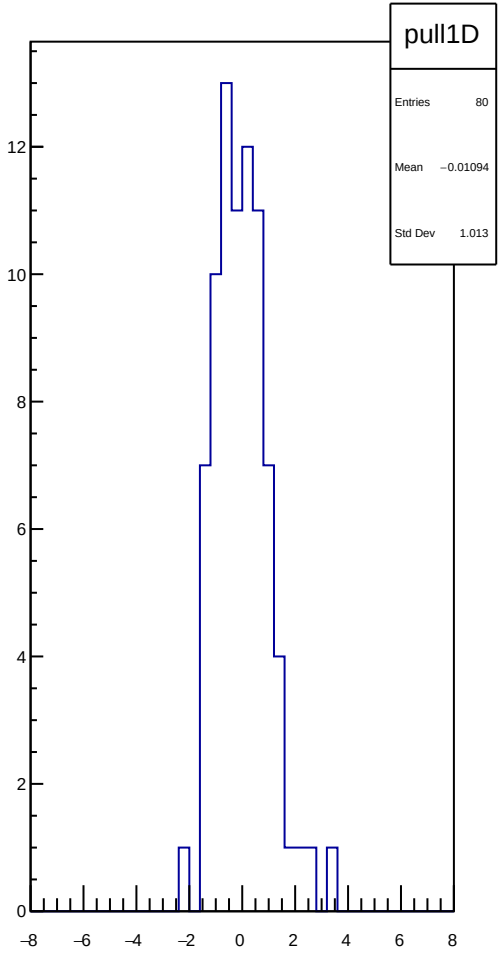

dit_asym_sam4_rms vs run
χ^2 / ndf 1.484e+05 / 79
p0 396.8 ± 0.3453
1000
900
800
700
600
500
400
300

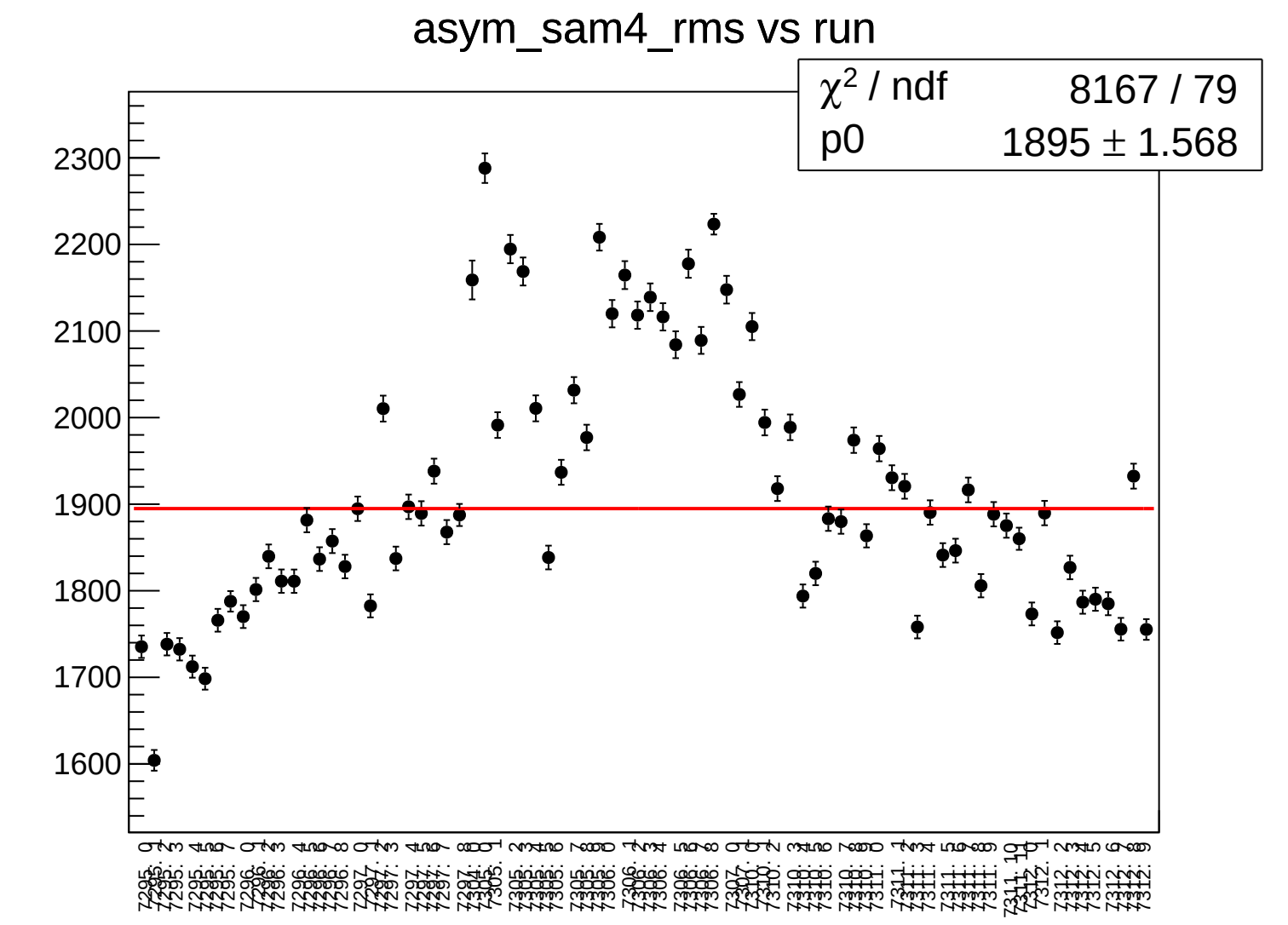

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 82.41 / 79
p0 −3091 ± 2267
pull
Entries 80
Mean −1255
Std Dev 1299

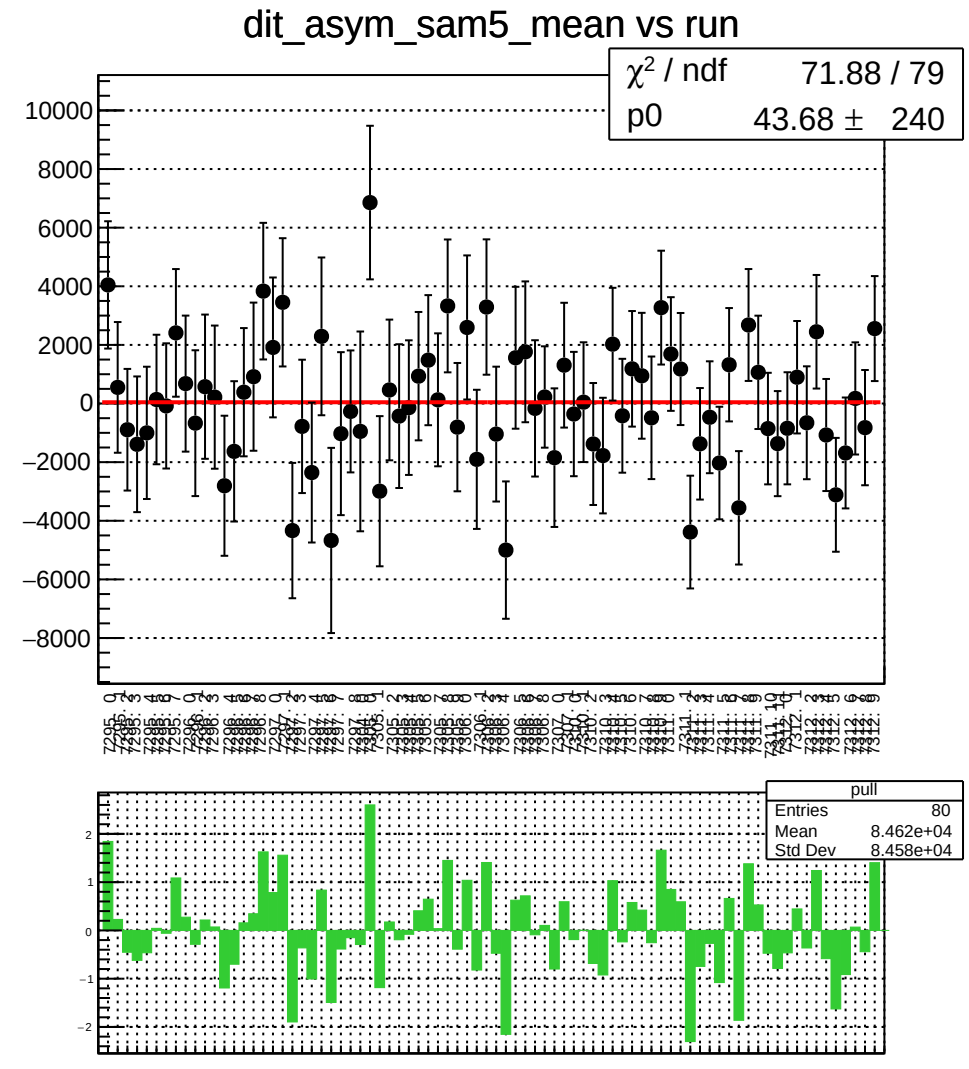

pull1D
Entries 80
Mean 0.003019
Std Dev 1.015

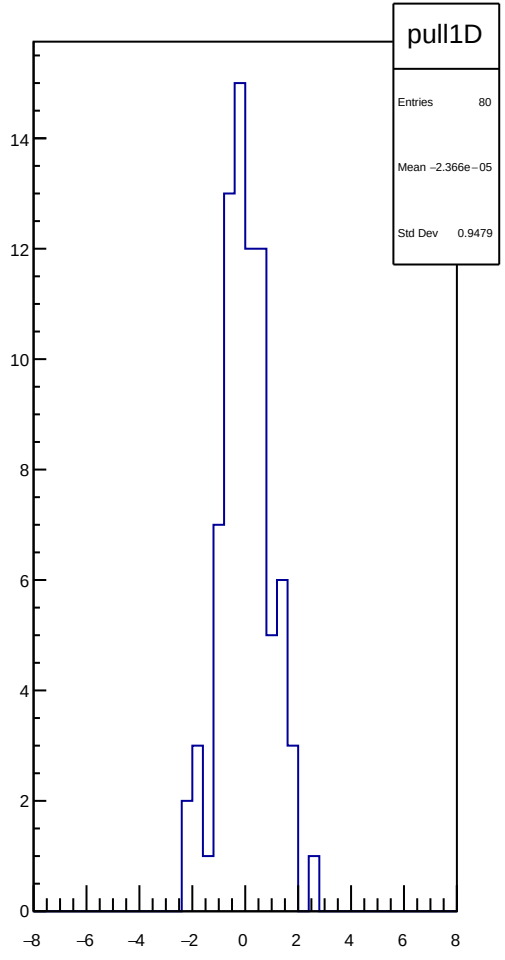

asym_sam4_correction_rms vs run
χ² / ndf 5337 / 79
p0 1939 ± 1.603
2200
2100
2000
1900
1800
1700

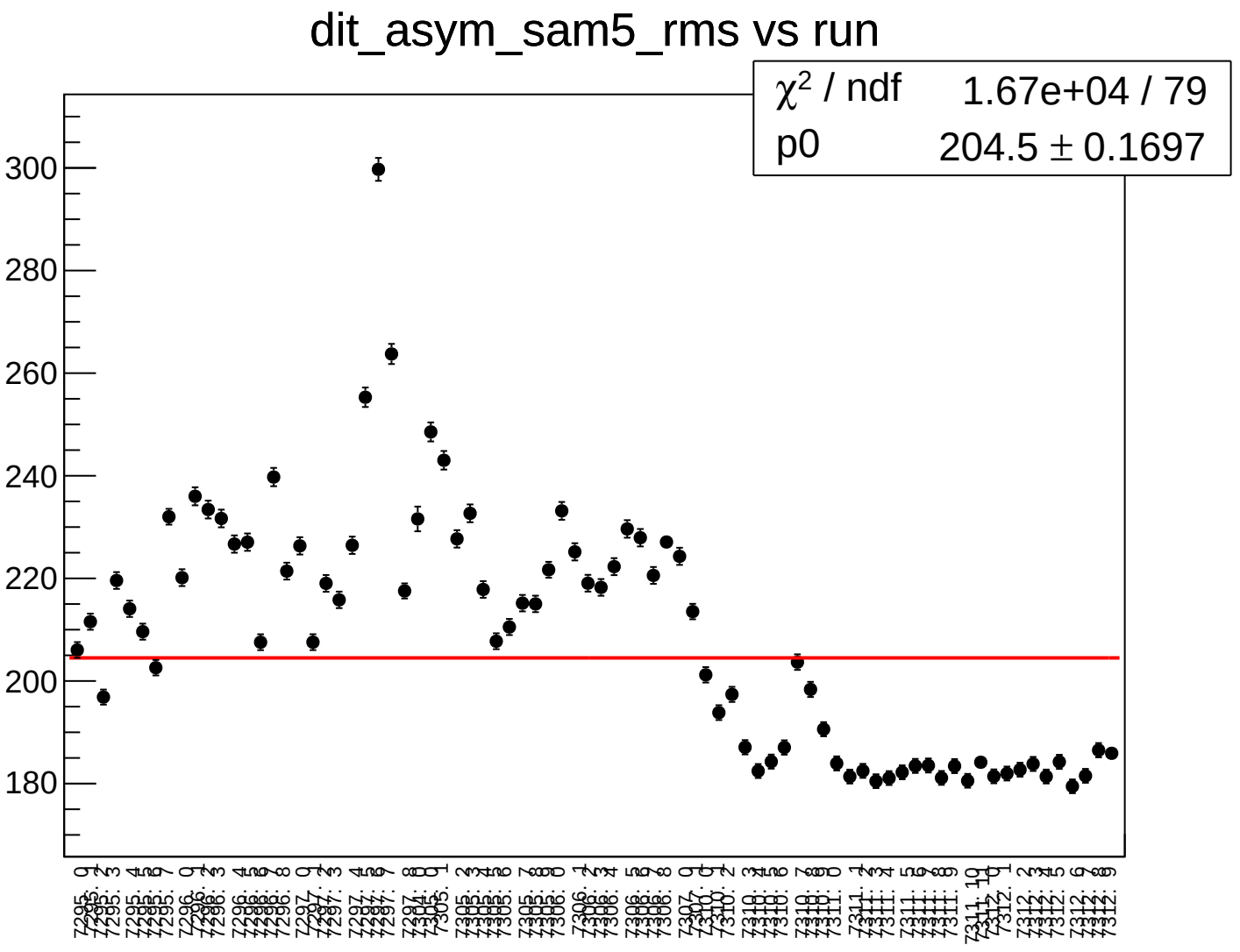

asym_sam4_mean vs run
×10^3
χ² / ndf 82.15 / 79
p0 3200 ± 2217
pull
Entries 80
Mean −312
Std Dev 355

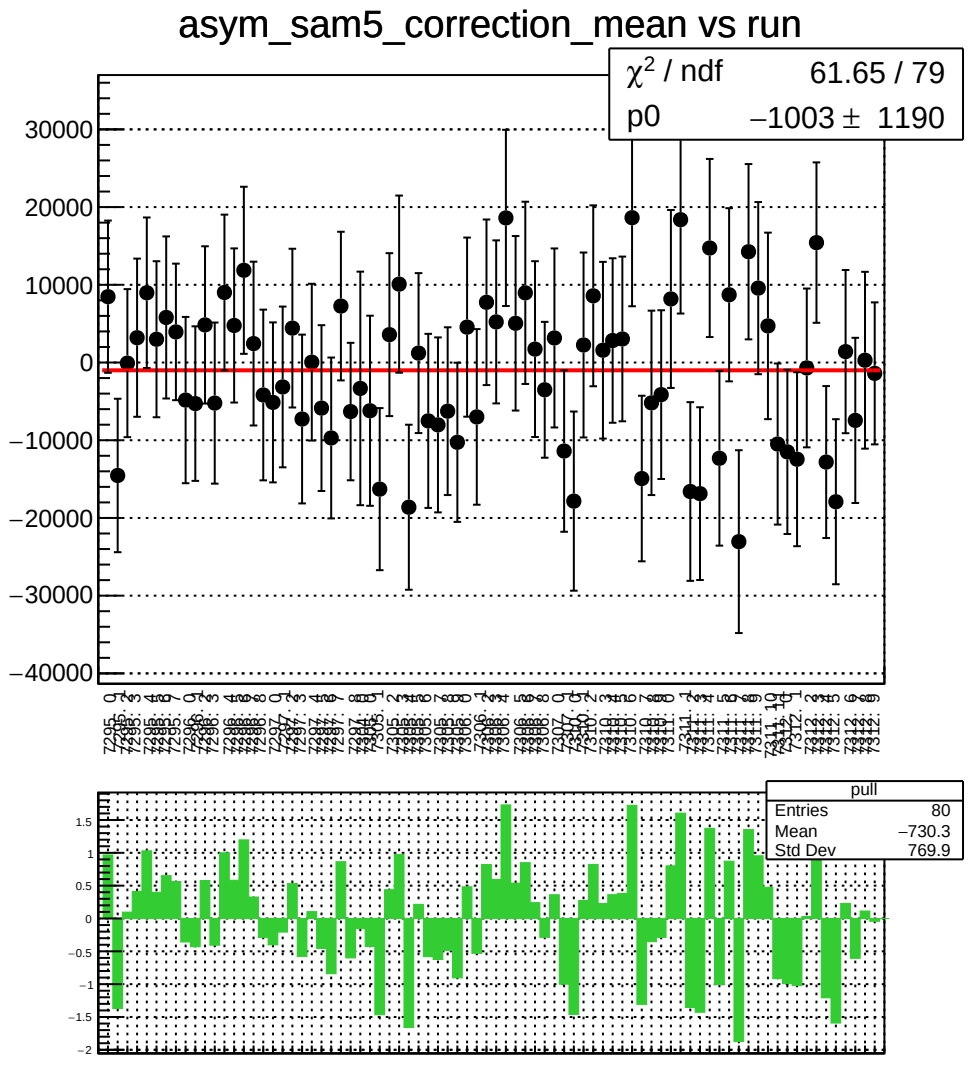

pull1D
Entries 80
Mean −0.01094
Std Dev 1.013

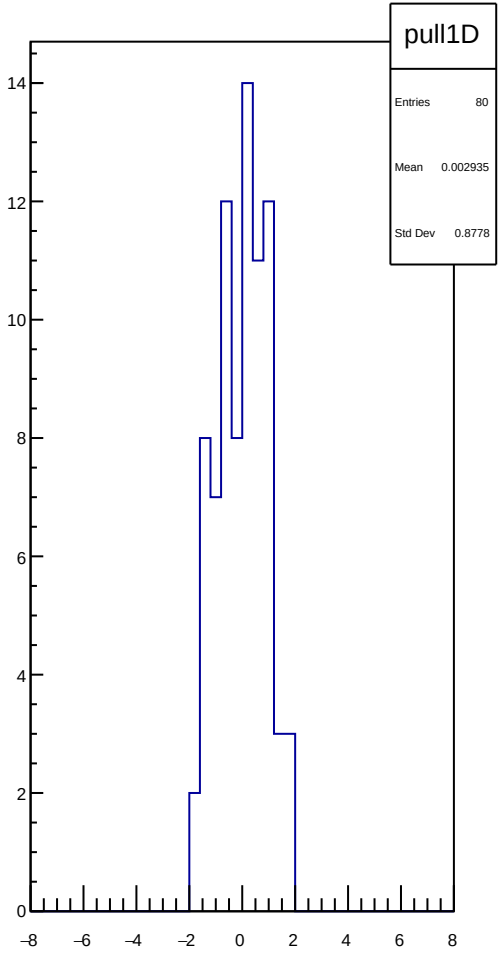

asym_sam4_rms vs run
χ^2 / ndf 8167 / 79
p0 1895 ± 1.568
2300
2200
2100
2000
1900
1800
1700
1600

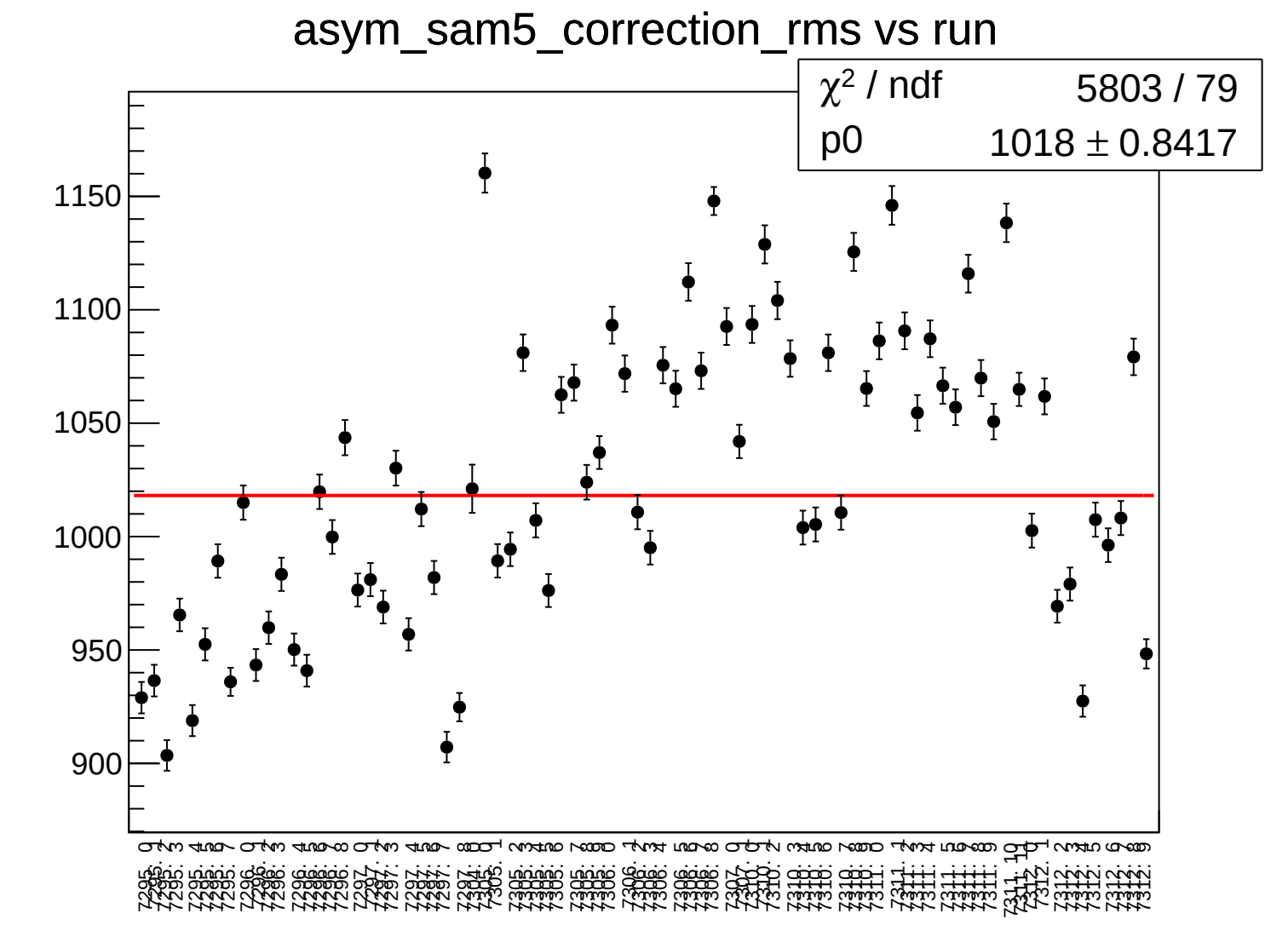

dit_asym_sam5_mean vs run
χ² / ndf 71.88 / 79
p0 43.68 ± 240
pull
Entries 80
Mean 8.462e+04
Std Dev 8.458e+04

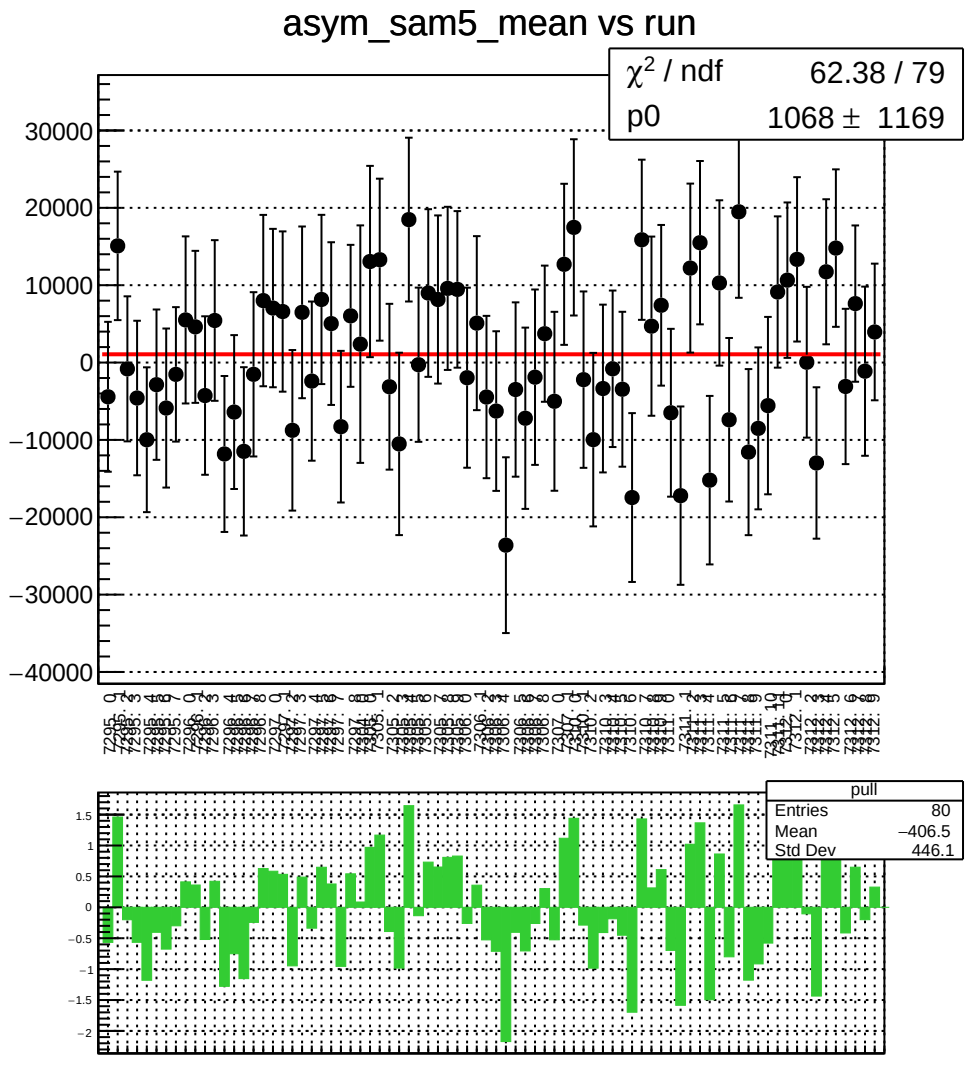

pull1D
Entries 80
Mean −2.366e−05
Std Dev 0.9479

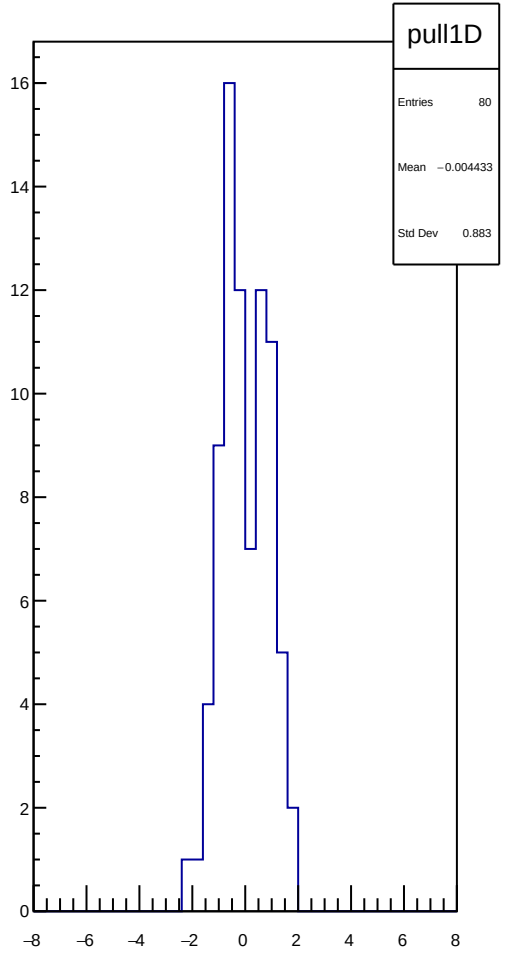

dit_asym_sam5_rms vs run
χ² / ndf 1.67e+04 / 79
p0 204.5 ± 0.1697
300
280
260
240
220
200
180

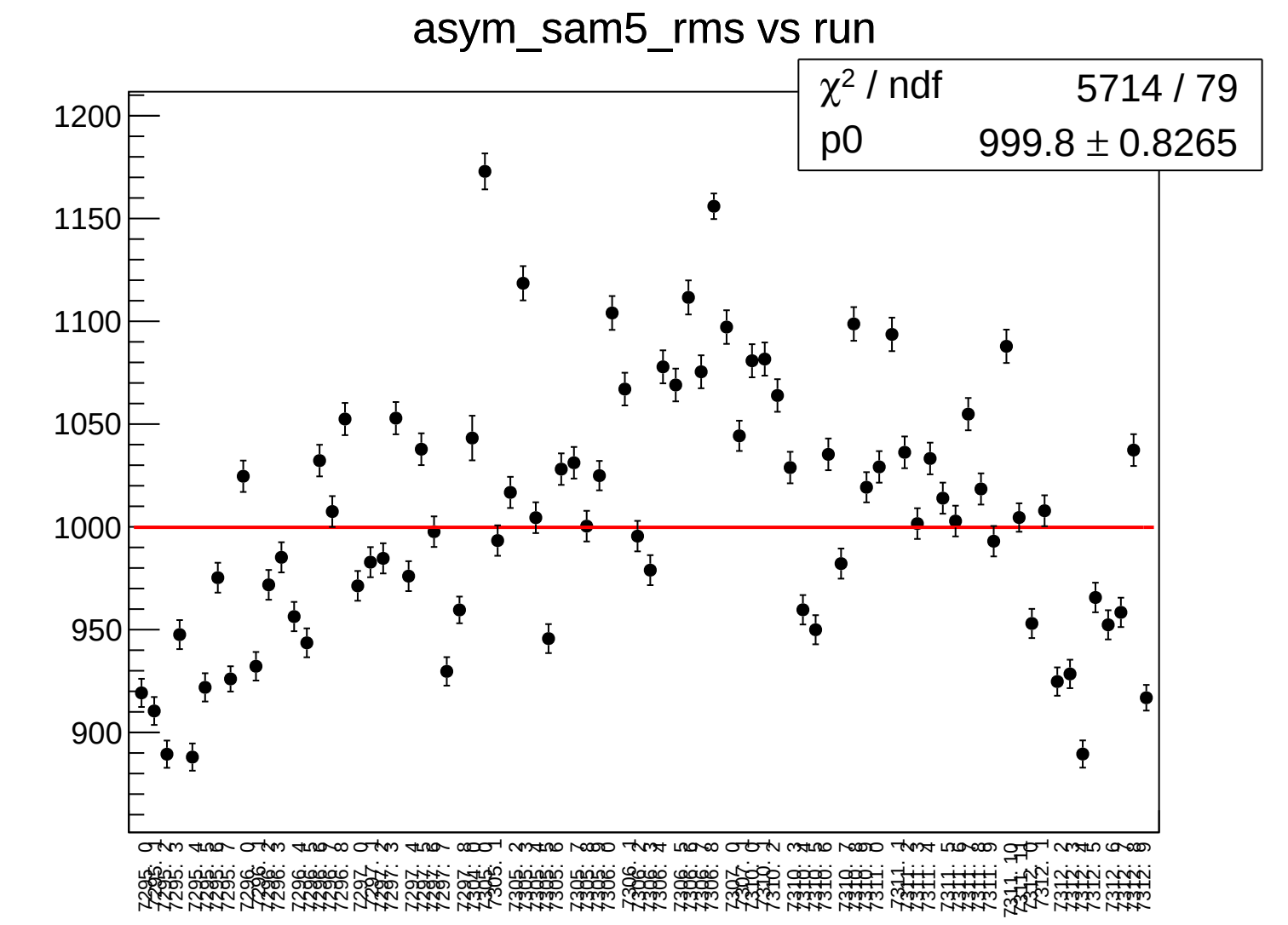

asym_sam5_correction_mean vs run
χ² / ndf 61.65 / 79
p0 −1003 ± 1190
pull
Entries 80
Mean −730.3
Std Dev 769.9

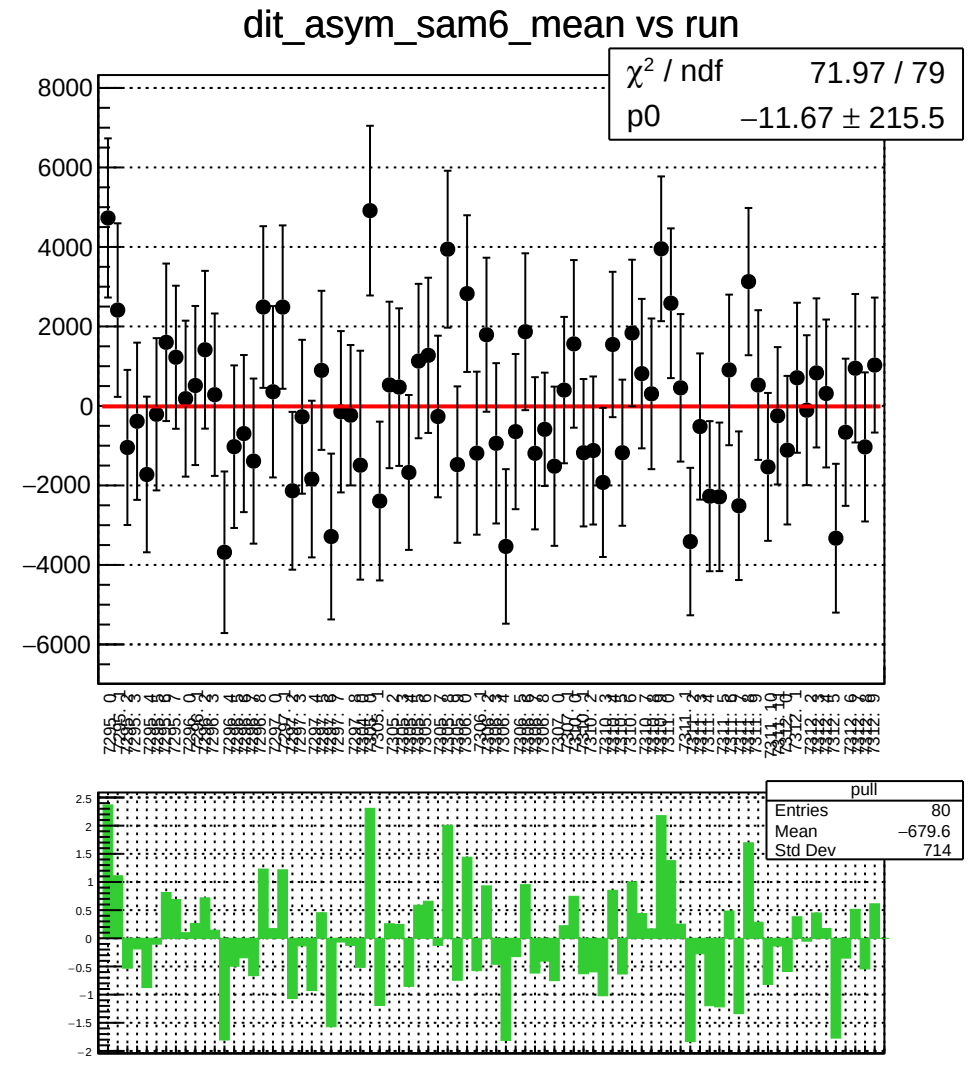

pull1D
Entries 80
Mean 0.002935
Std Dev 0.8778

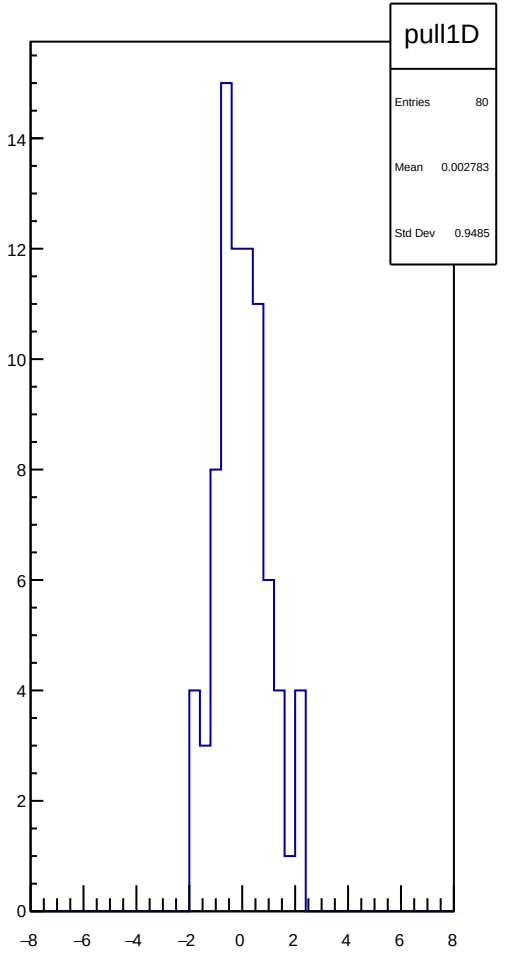

asym_sam5_correction_rms vs run
χ² / ndf 5803 / 79
p0 1018 ± 0.8417
1150
1100
1050
1000
950
900

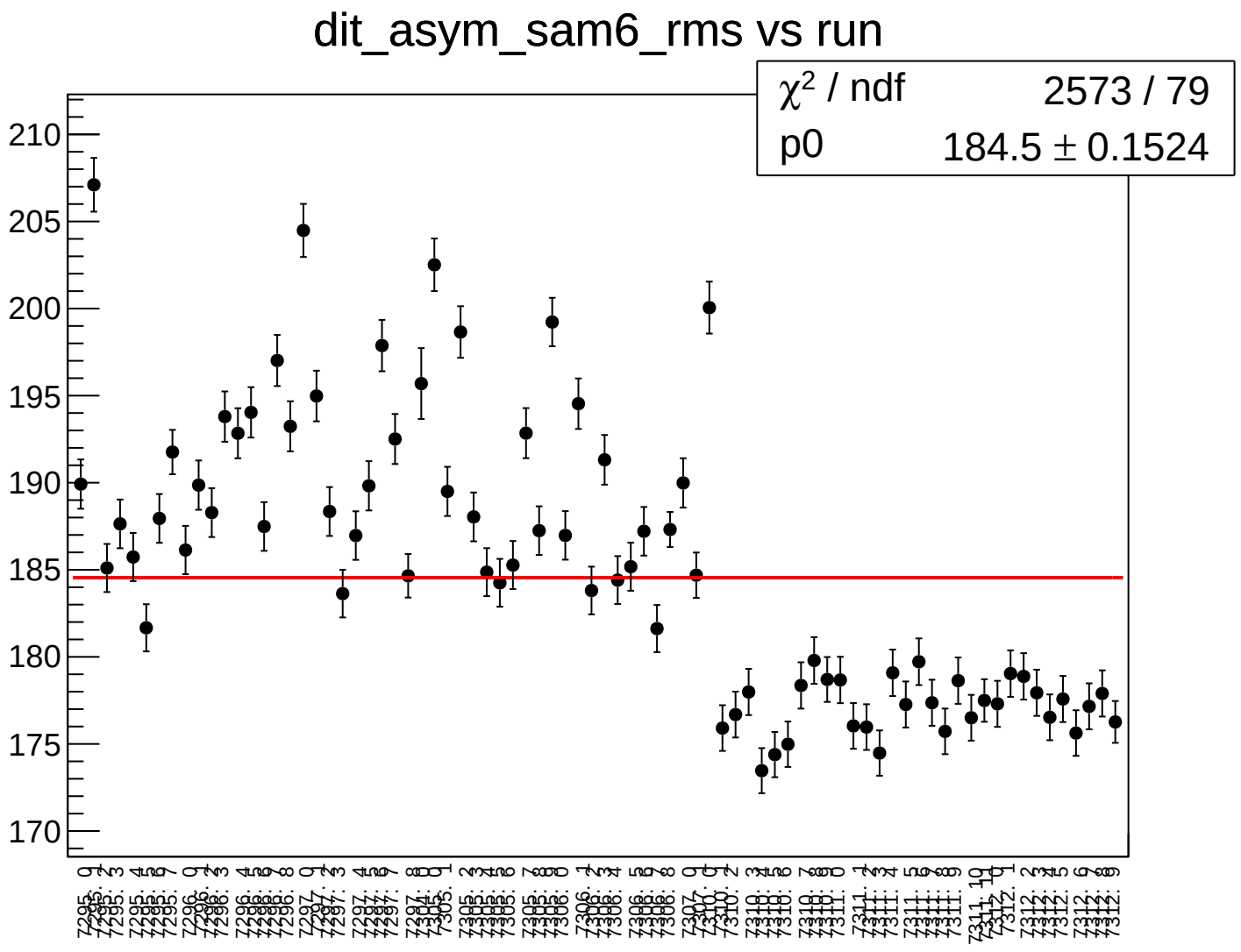

asym_sam5_mean vs run
χ² / ndf 62.38 / 79
p0 1068 ± 1169
pull
Entries 80
Mean −406.5
Std Dev 446.1

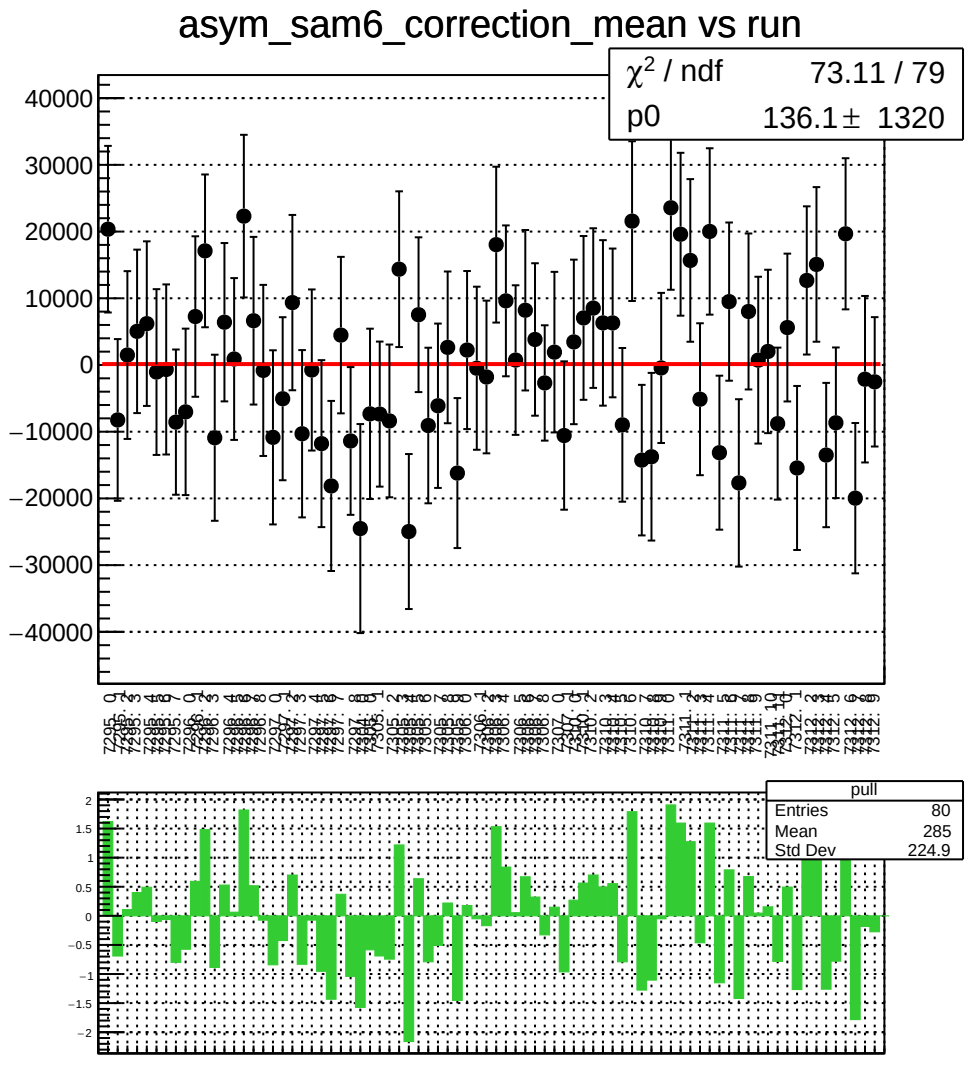

pull1D
Entries 80
Mean −0.004433
Std Dev 0.883

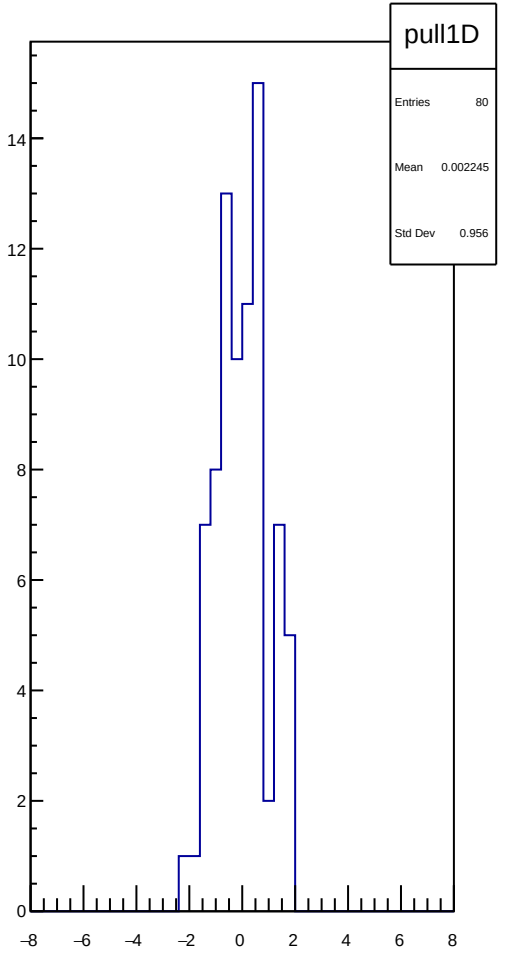

asym_sam5_rms vs run
χ² / ndf 5714 / 79
p0 999.8 ± 0.8265
1200
1150
1100
1050
1000
950
900

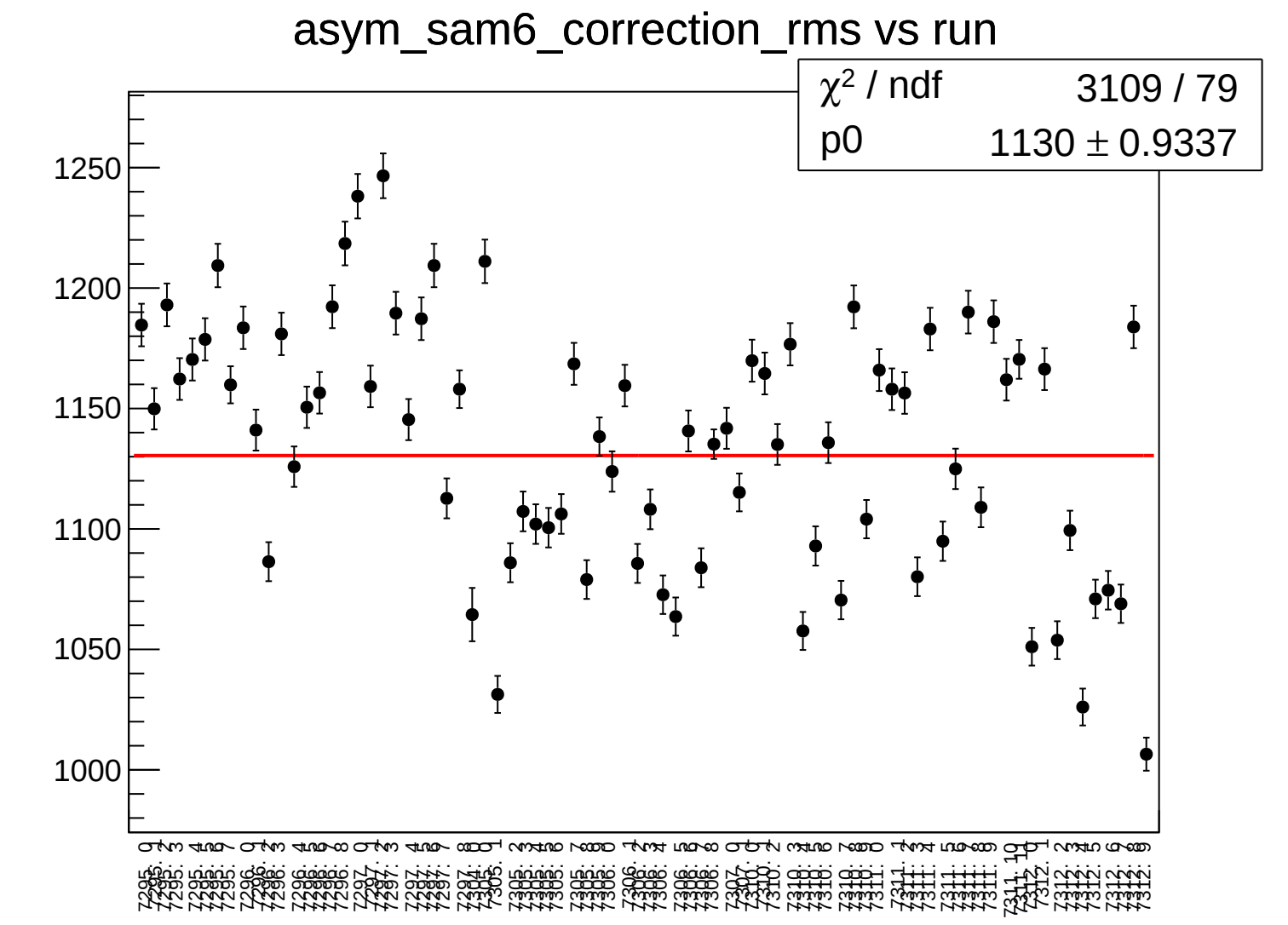

dit_asym_sam6_mean vs run
χ² / ndf 71.97 / 79
p0 −11.67 ± 215.5
pull
Entries 80
Mean −679.6
Std Dev 714

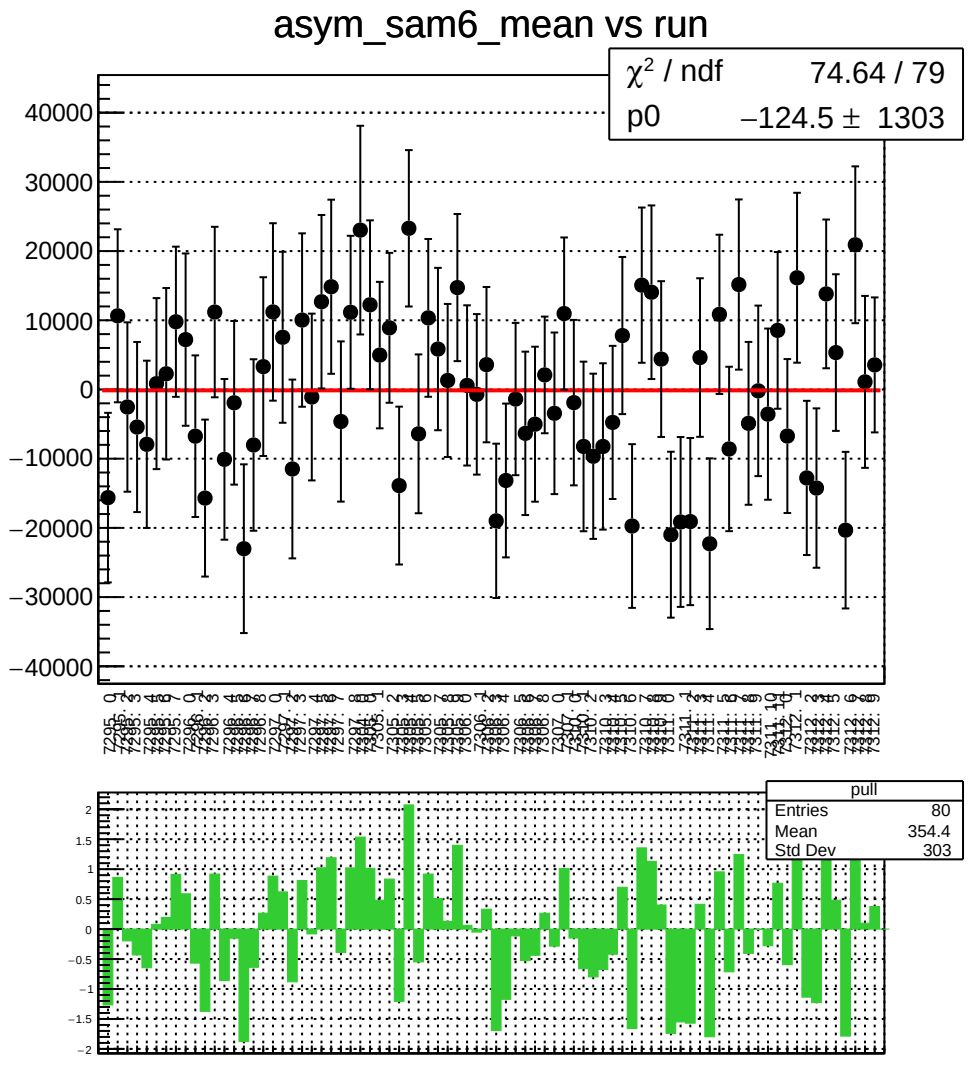

pull1D
Entries 80
Mean 0.002783
Std Dev 0.9485

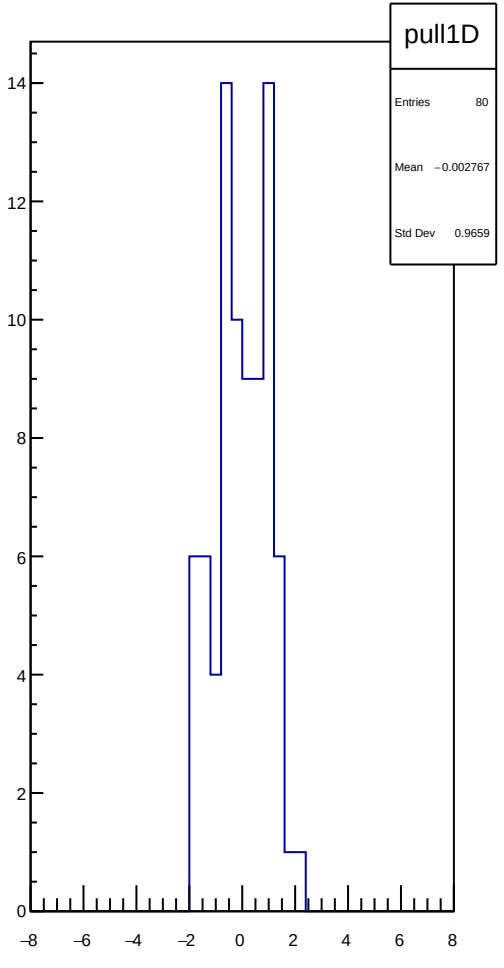

dit_asym_sam6_rms vs run
χ² / ndf 2573 / 79
p0 184.5 ± 0.1524
210
205
200
195
190
185
180
175
170

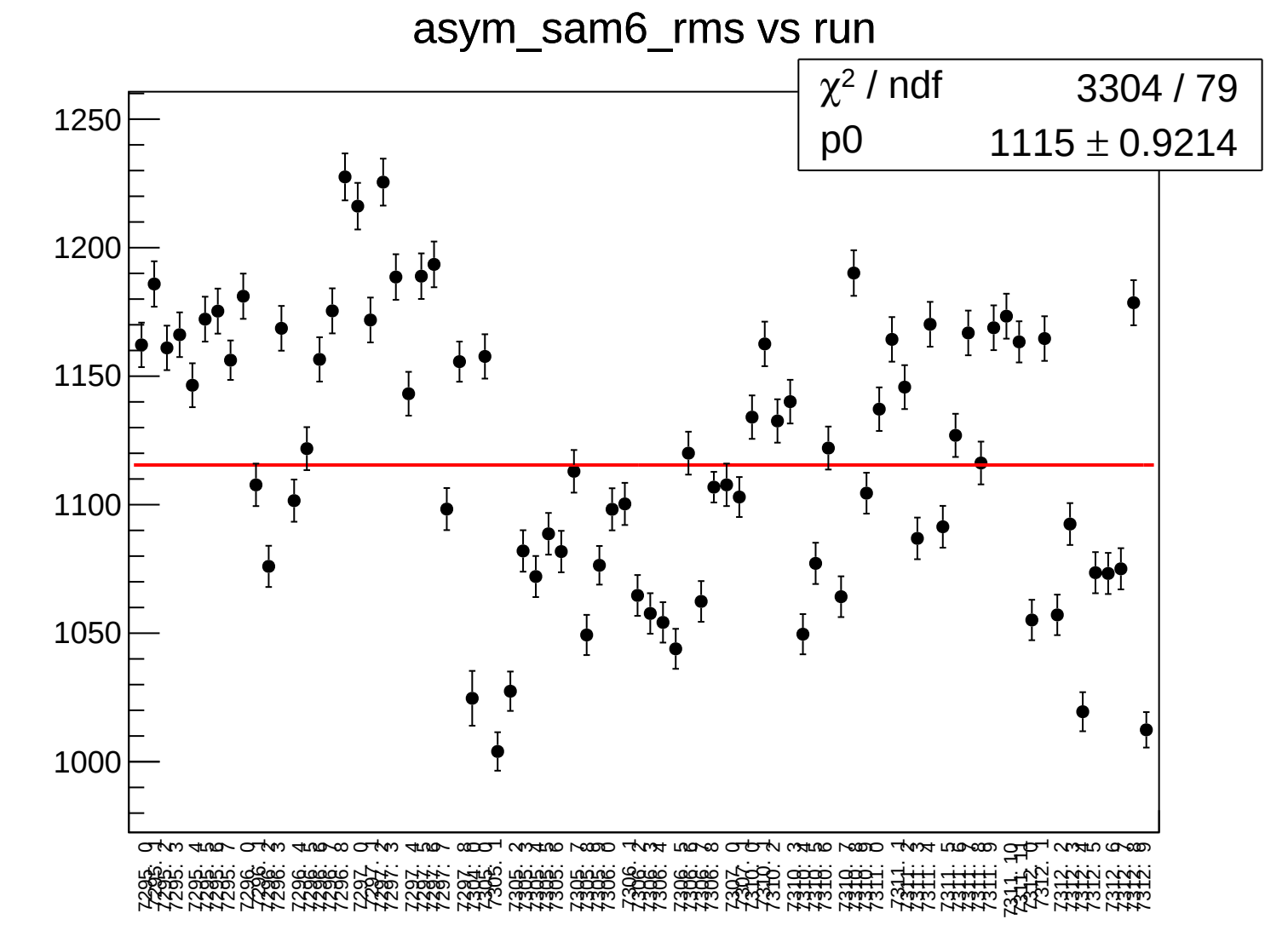

asym_sam6_correction_mean vs run
χ² / ndf 73.11 / 79
p0 136.1± 1320
pull
Entries 80
Mean 285
Std Dev 224.9

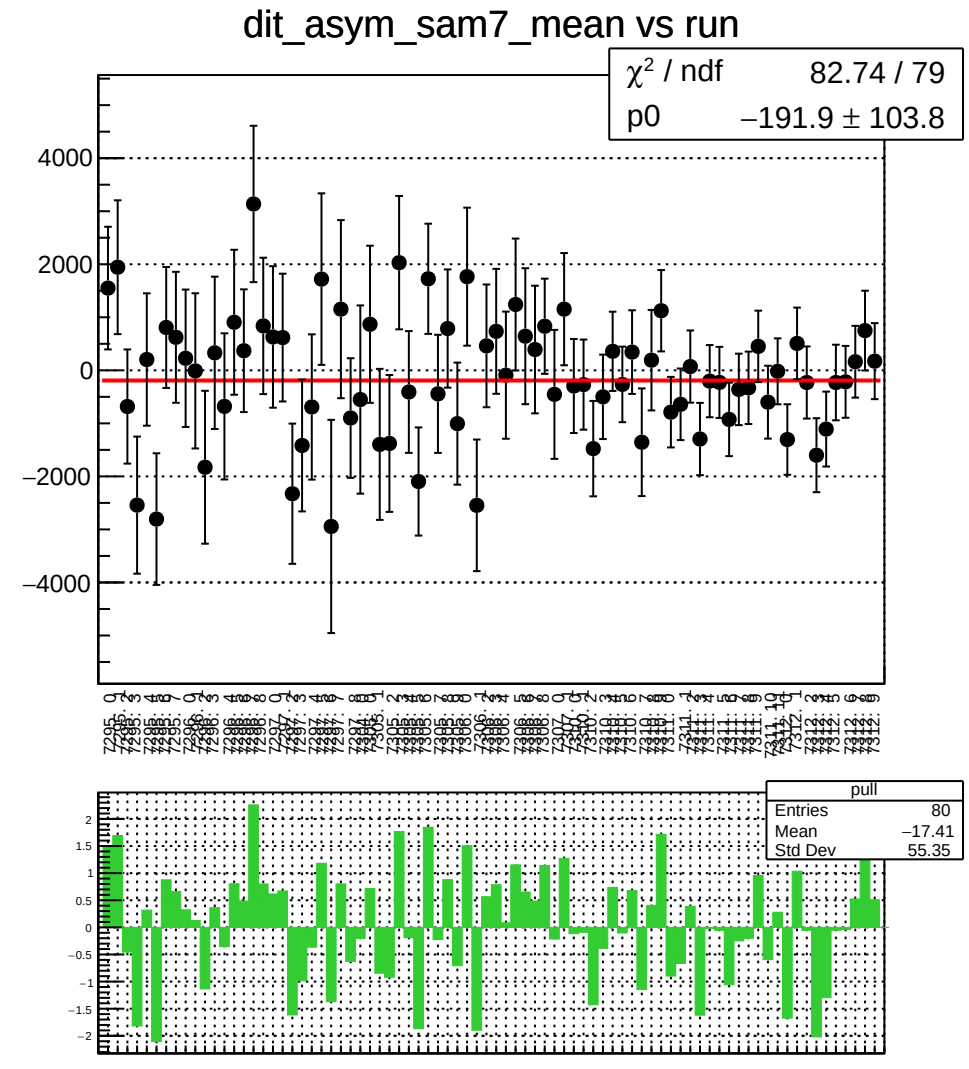

pull1D
Entries 80
Mean 0.002245
Std Dev 0.956

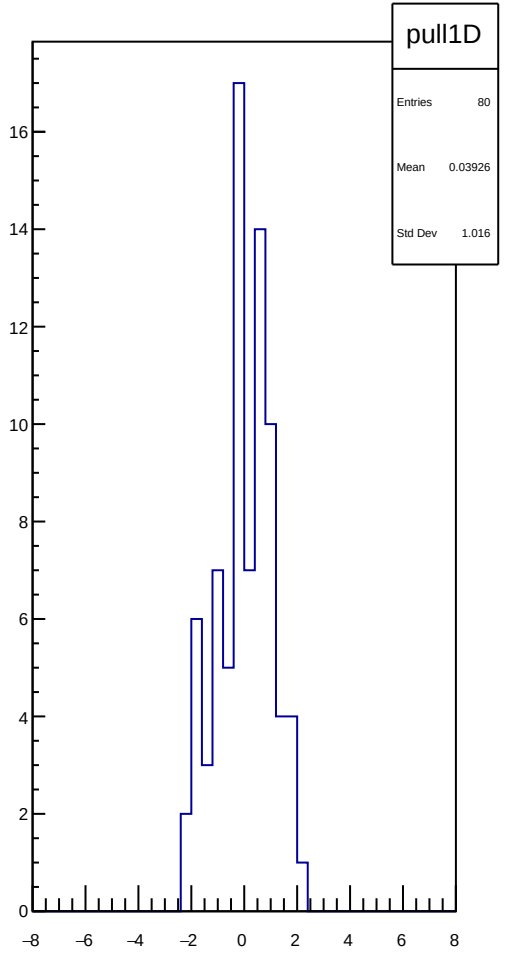

asym_sam6_correction_rms vs run
χ² / ndf 3109 / 79
p0 1130 ± 0.9337
1250
1200
1150
1100
1050
1000

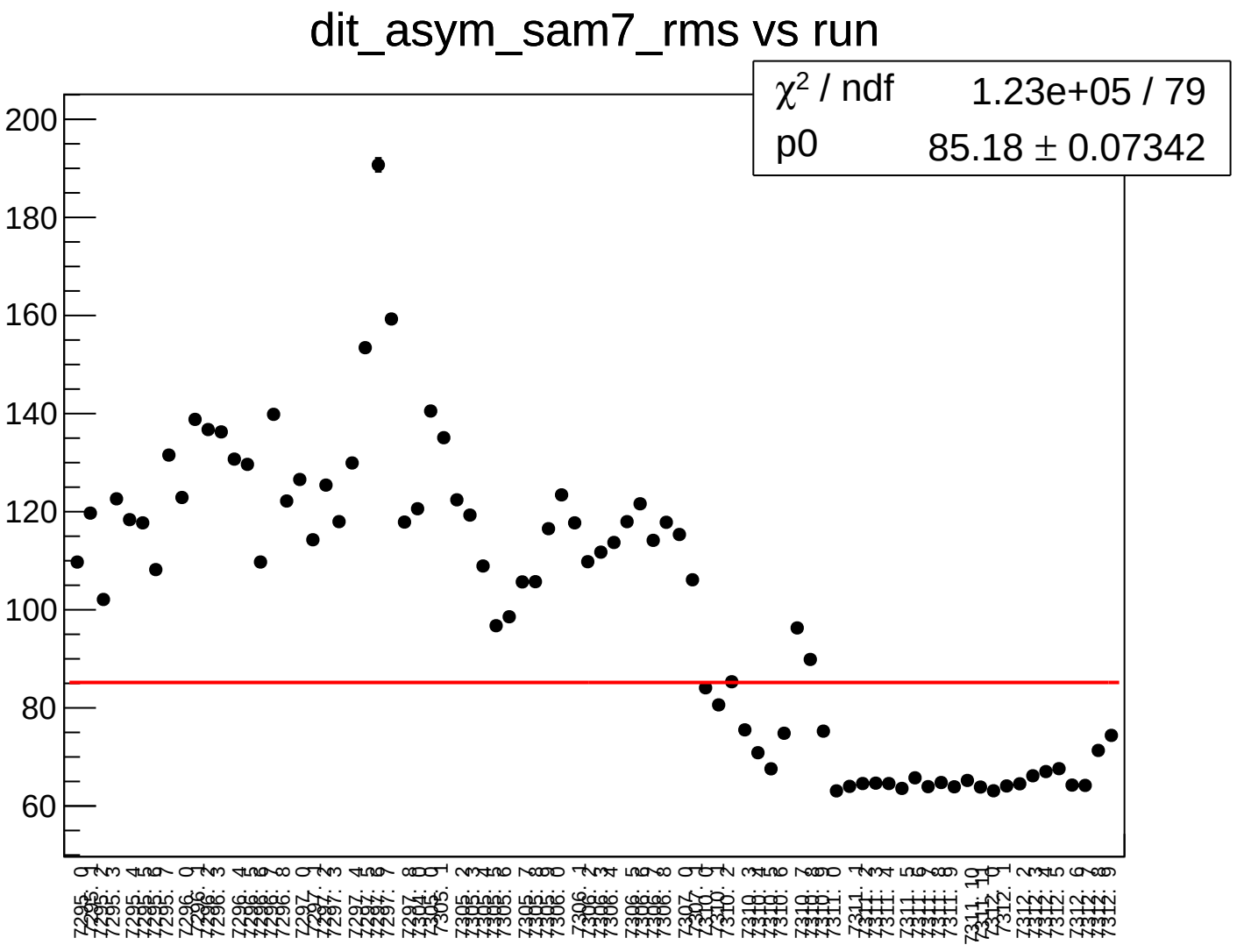

asym_sam6_mean vs run
χ² / ndf 74.64 / 79
p0 −124.5 ± 1303
pull
Entries 80
Mean 354.4
Std Dev 303

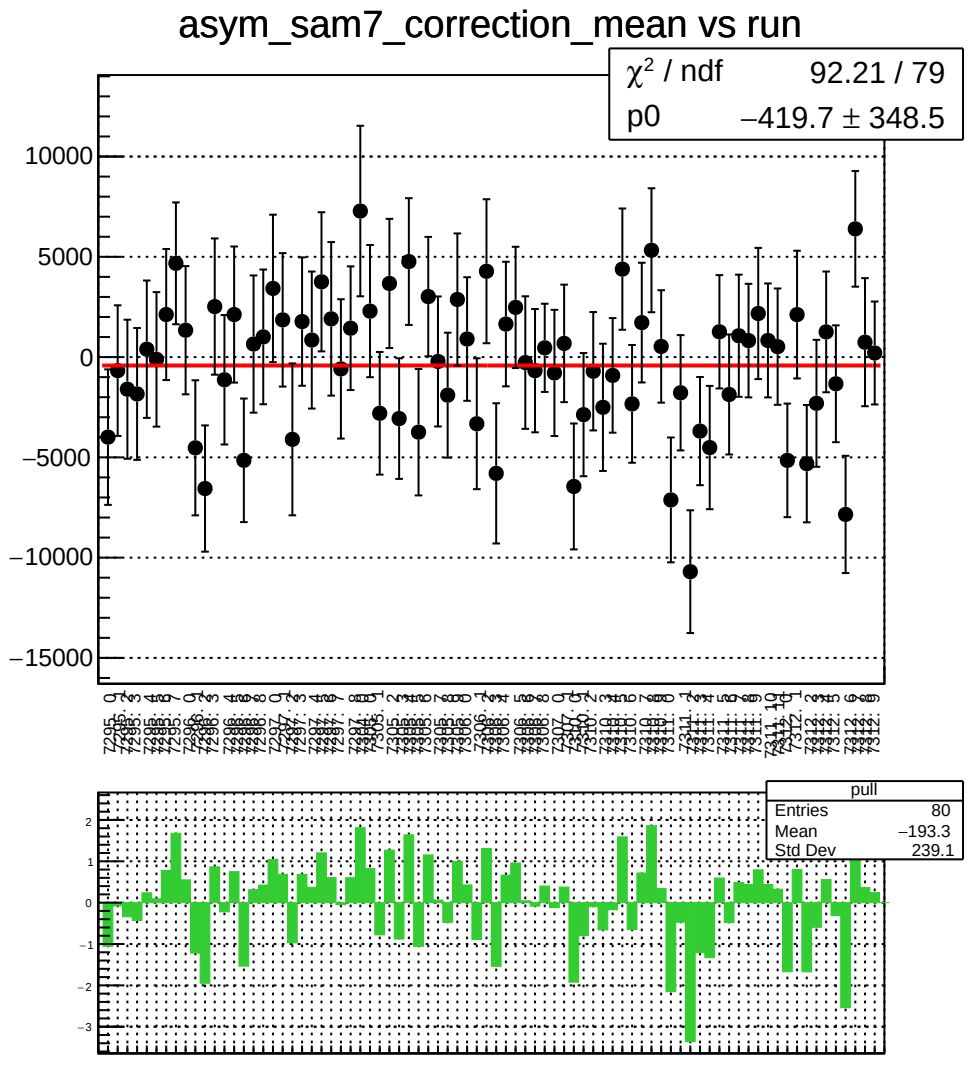

pull1D
Entries 80
Mean −0.002767
Std Dev 0.9659

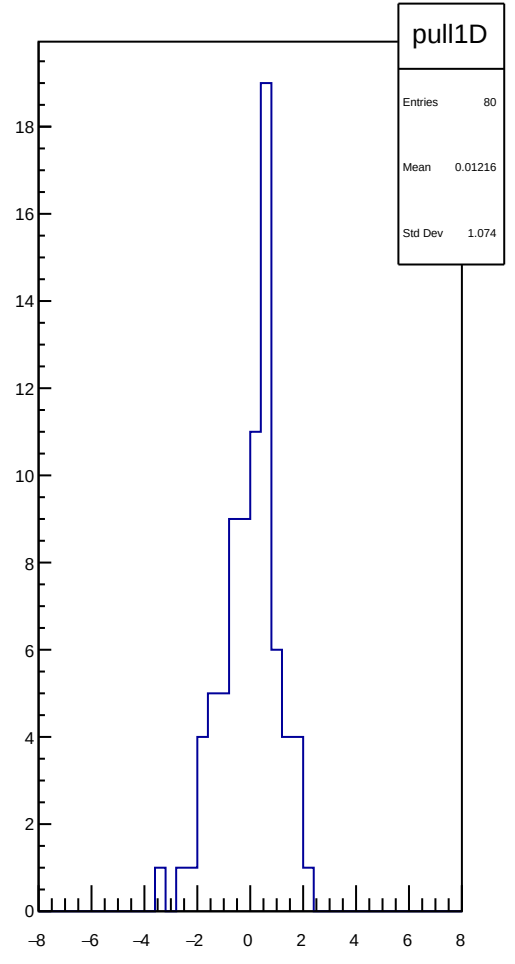

asym_sam6_rms vs run
χ² / ndf 3304 / 79
p0 1115 ± 0.9214
1250
1200
1150
1100
1050
1000

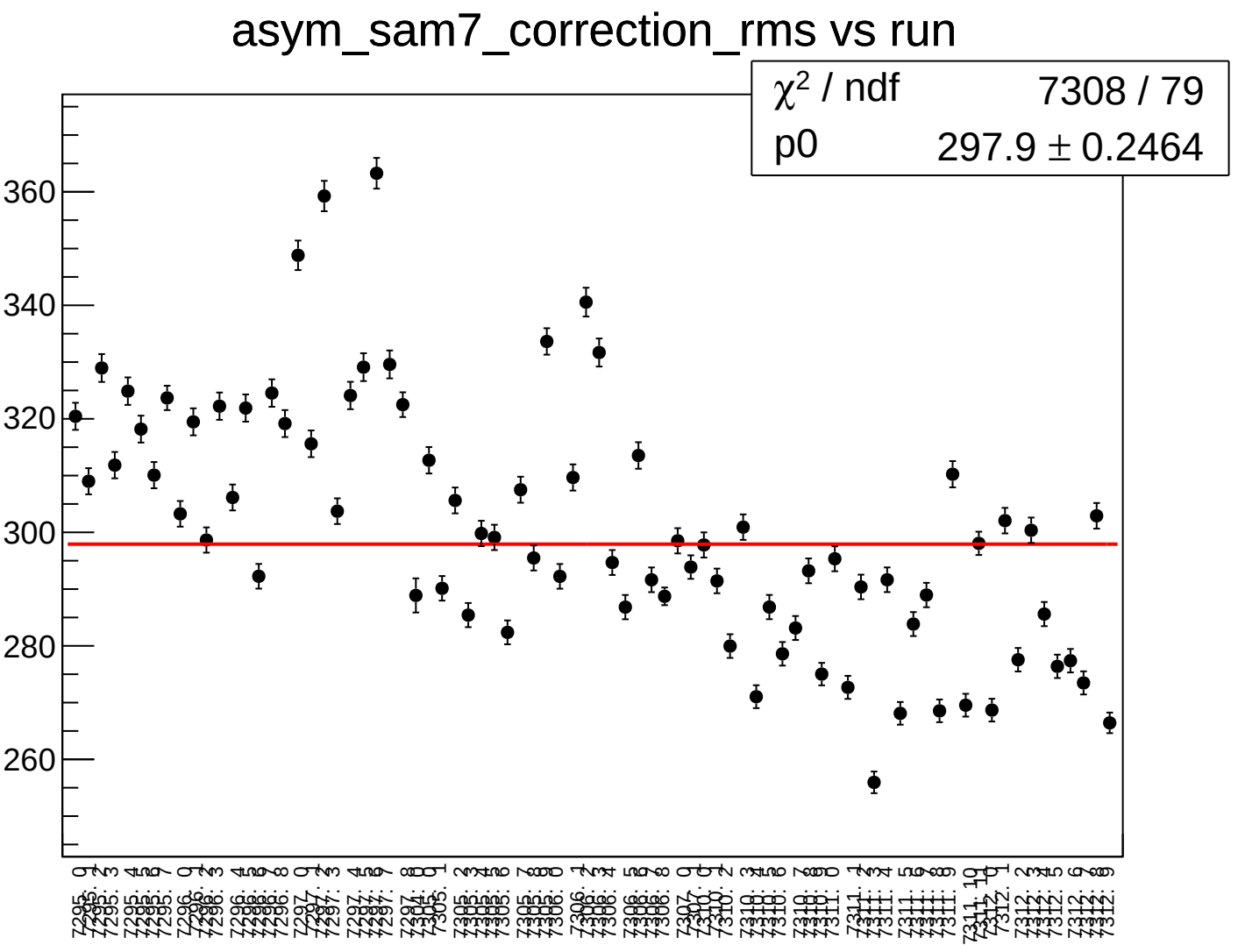

dit_asym_sam7_mean vs run
χ² / ndf 82.74 / 79
p0 −191.9 ± 103.8
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −17.41
Std Dev 55.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

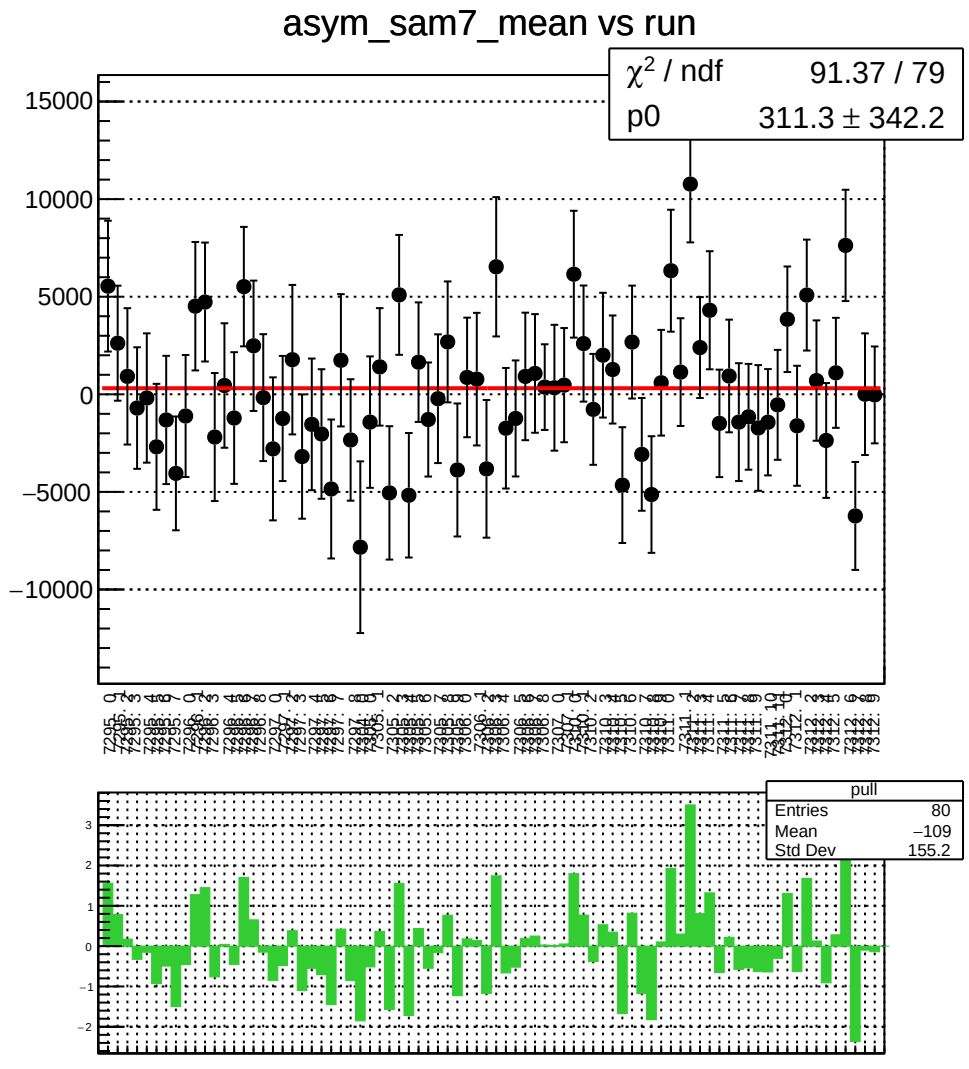

pull1D
Entries 80
Mean 0.03926
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

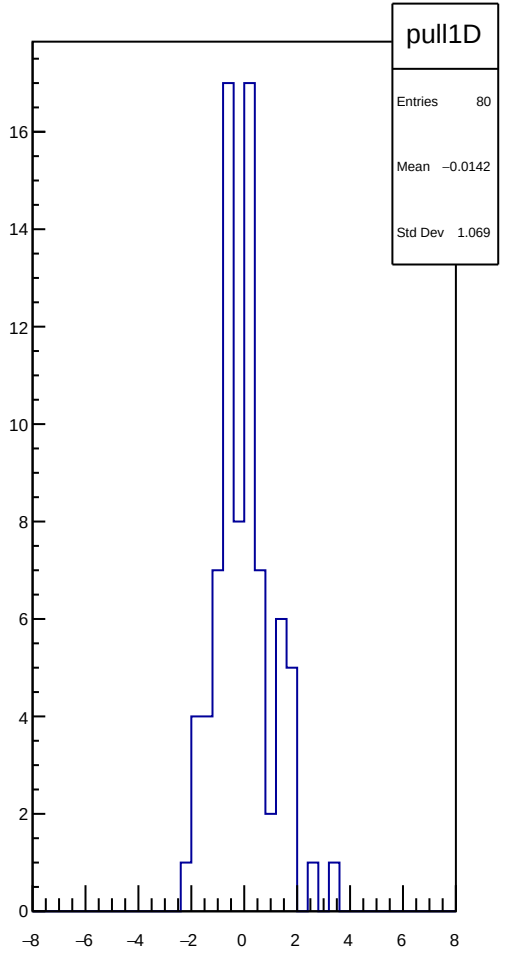

dit_asym_sam7_rms vs run
χ² / ndf 1.23e+05 / 79
p0 85.18 ± 0.07342
200
180
160
140
120
100
80
60

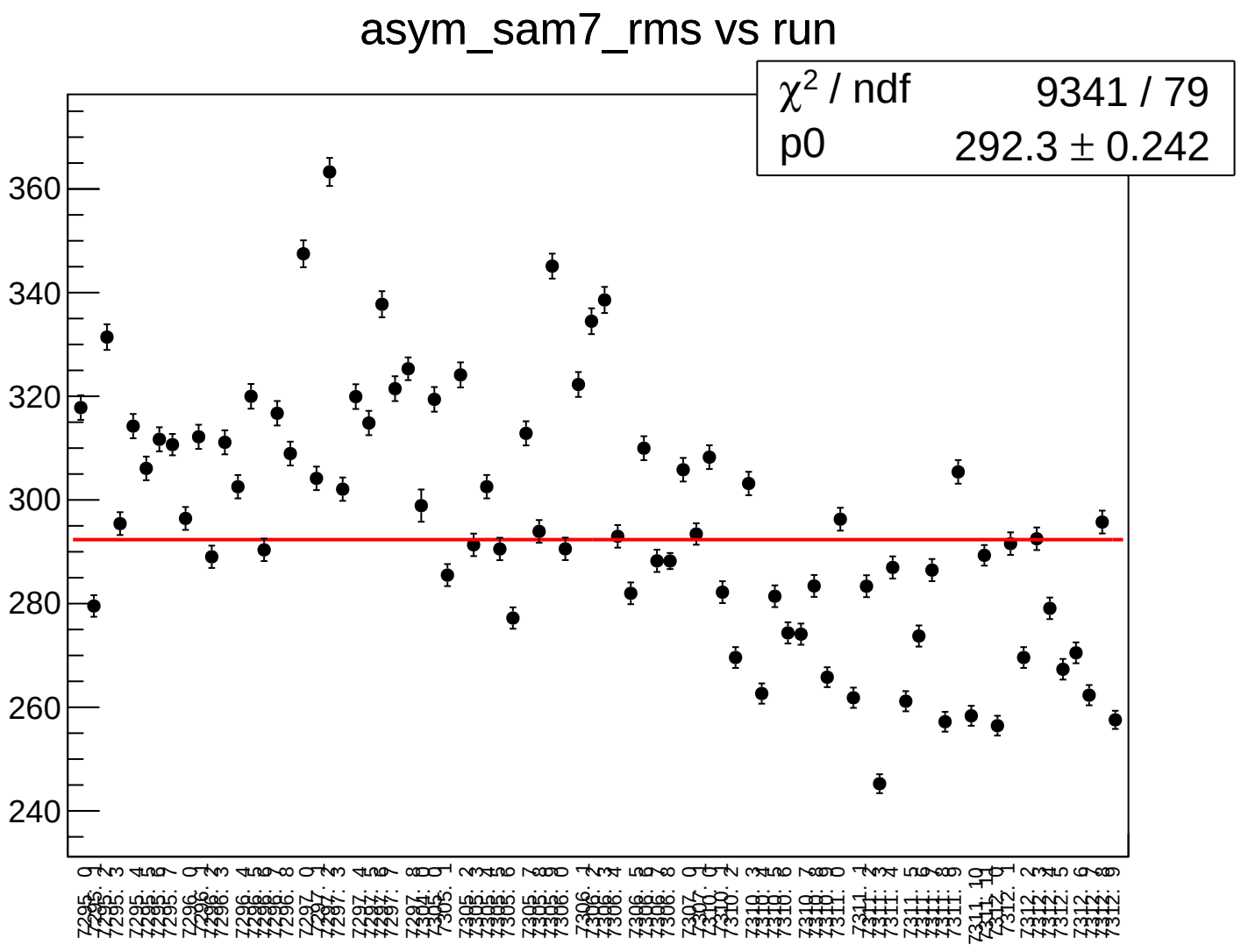

asym_sam7_correction_mean vs run
χ² / ndf 92.21 / 79
p0 −419.7 ± 348.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −193.3
Std Dev 239.1
2
1
0
−1
−2
−3

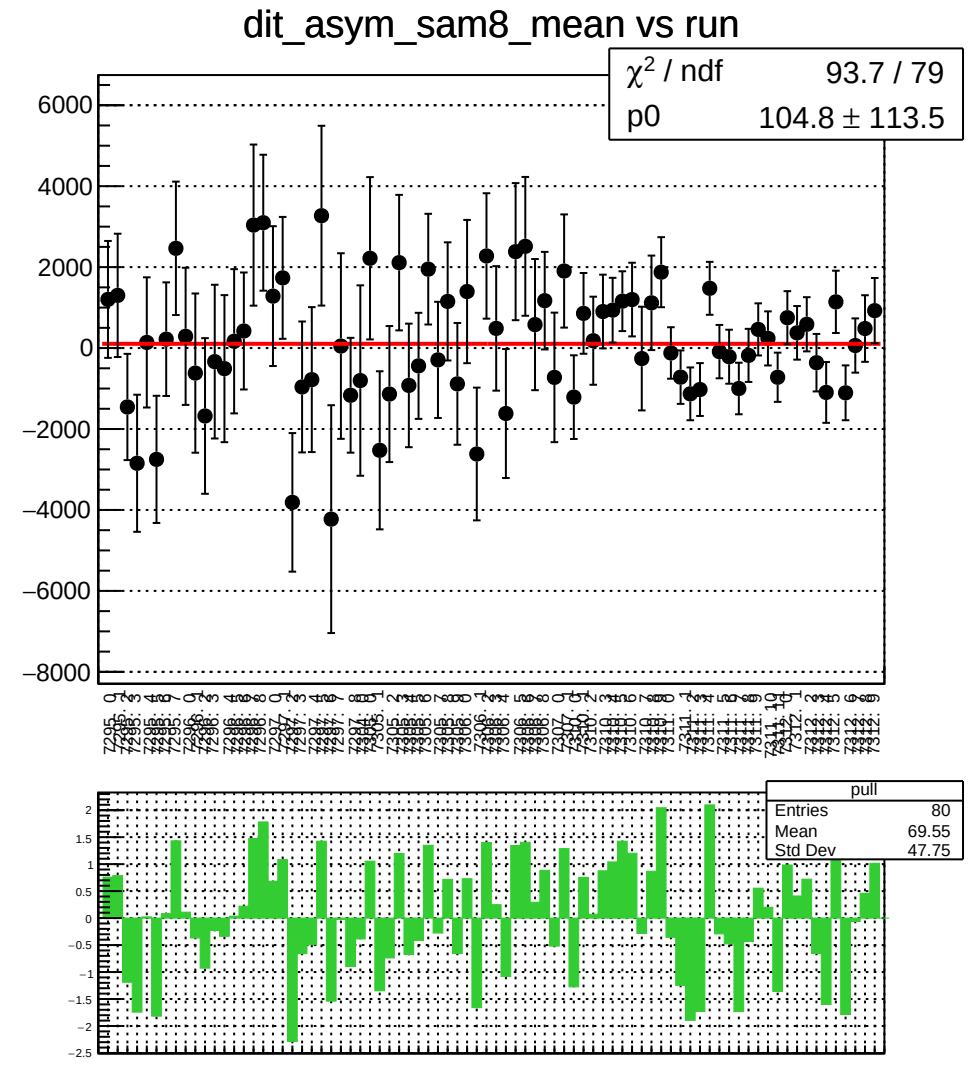

pull1D
Entries 80
Mean 0.01216
Std Dev 1.074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

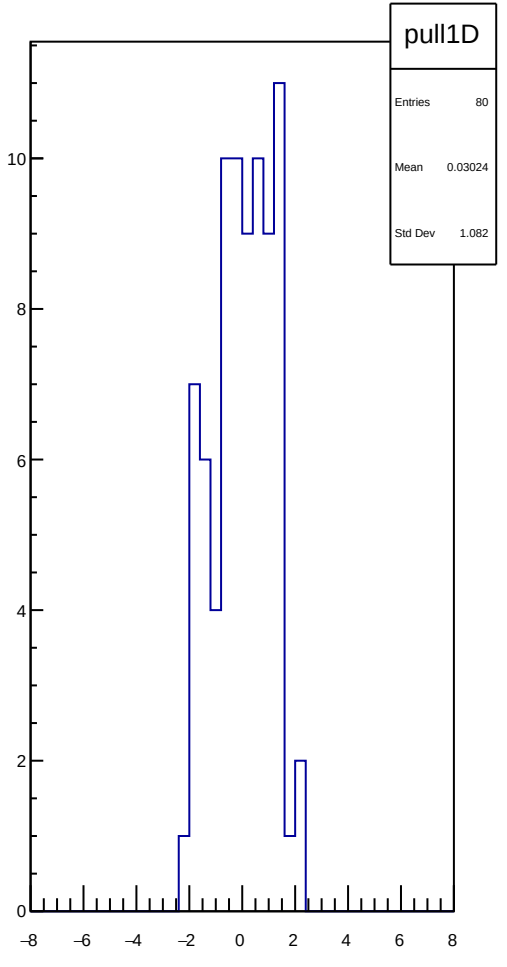

asym_sam7_correction_rms vs run
χ² / ndf 7308 / 79
p0 297.9 ± 0.2464
360
340
320
300
280
260

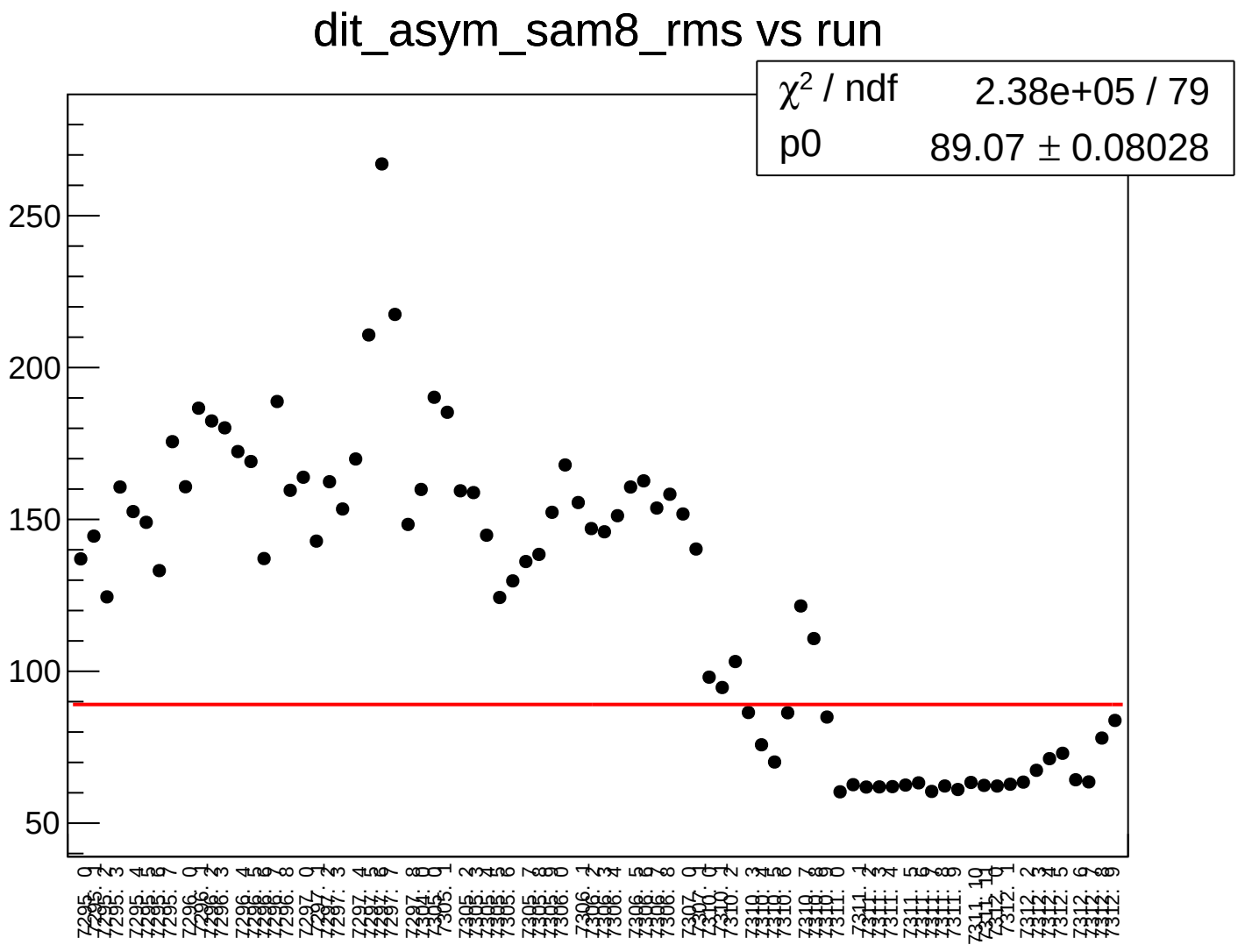

asym_sam7_mean vs run
χ² / ndf 91.37 / 79
p0 311.3 ± 342.2
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −109
Std Dev 155.2
3
2
1
0
−1
−2

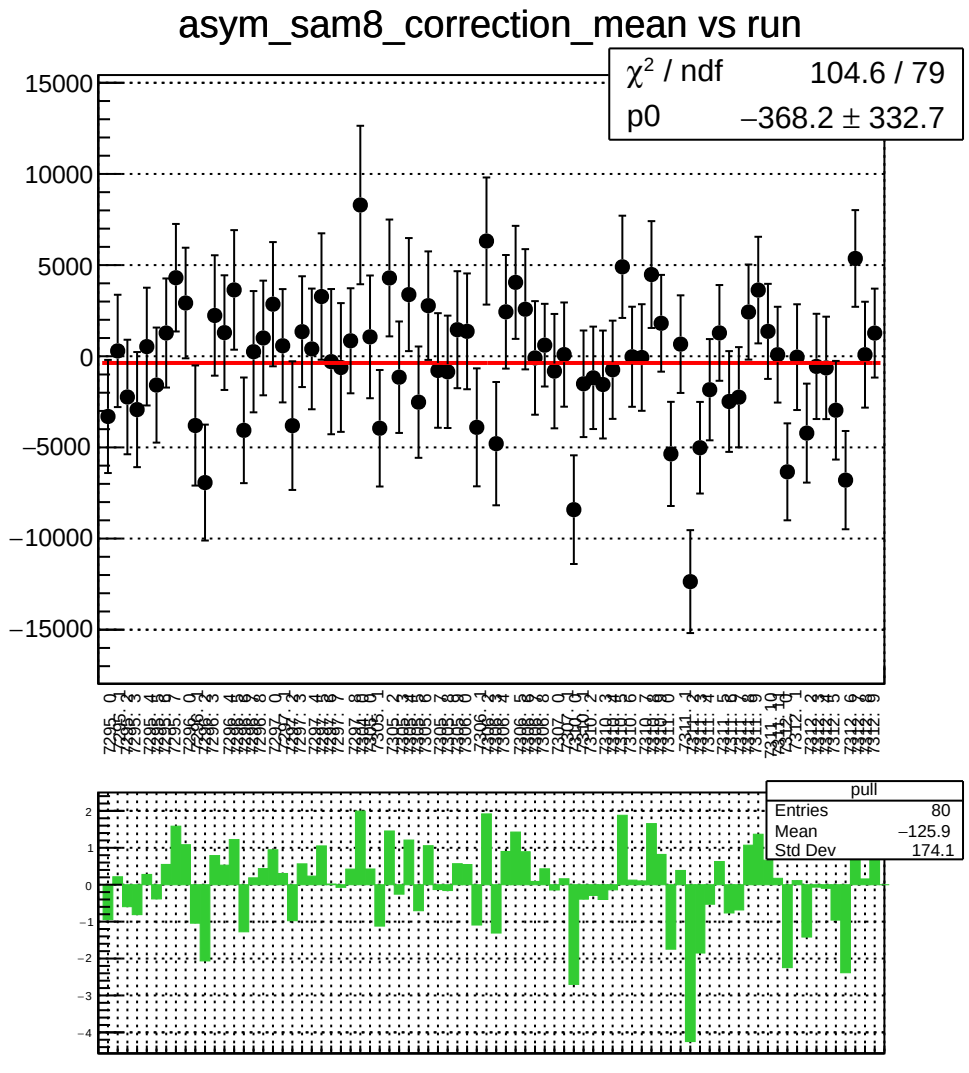

pull1D
Entries 80
Mean −0.0142
Std Dev 1.069
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

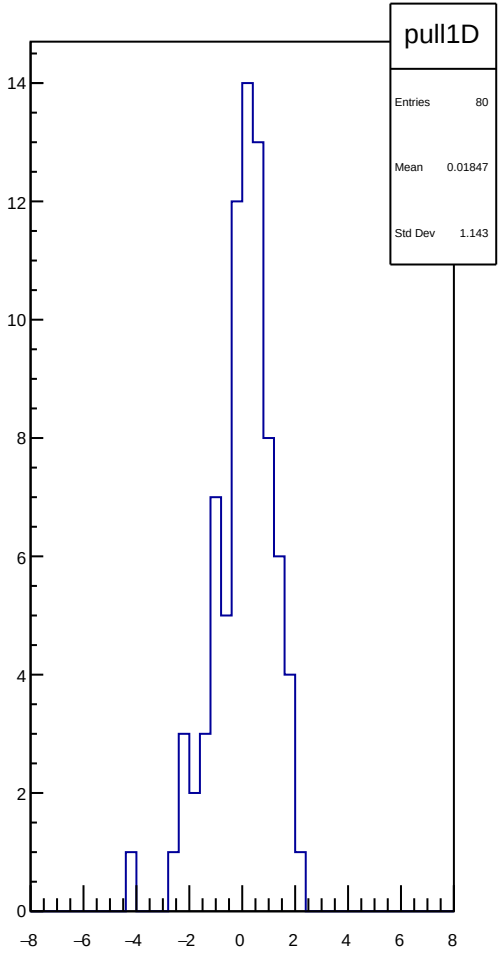

asym_sam7_rms vs run
χ^2 / ndf 9341 / 79
p0 292.3 ± 0.242
360
340
320
300
280
260
240

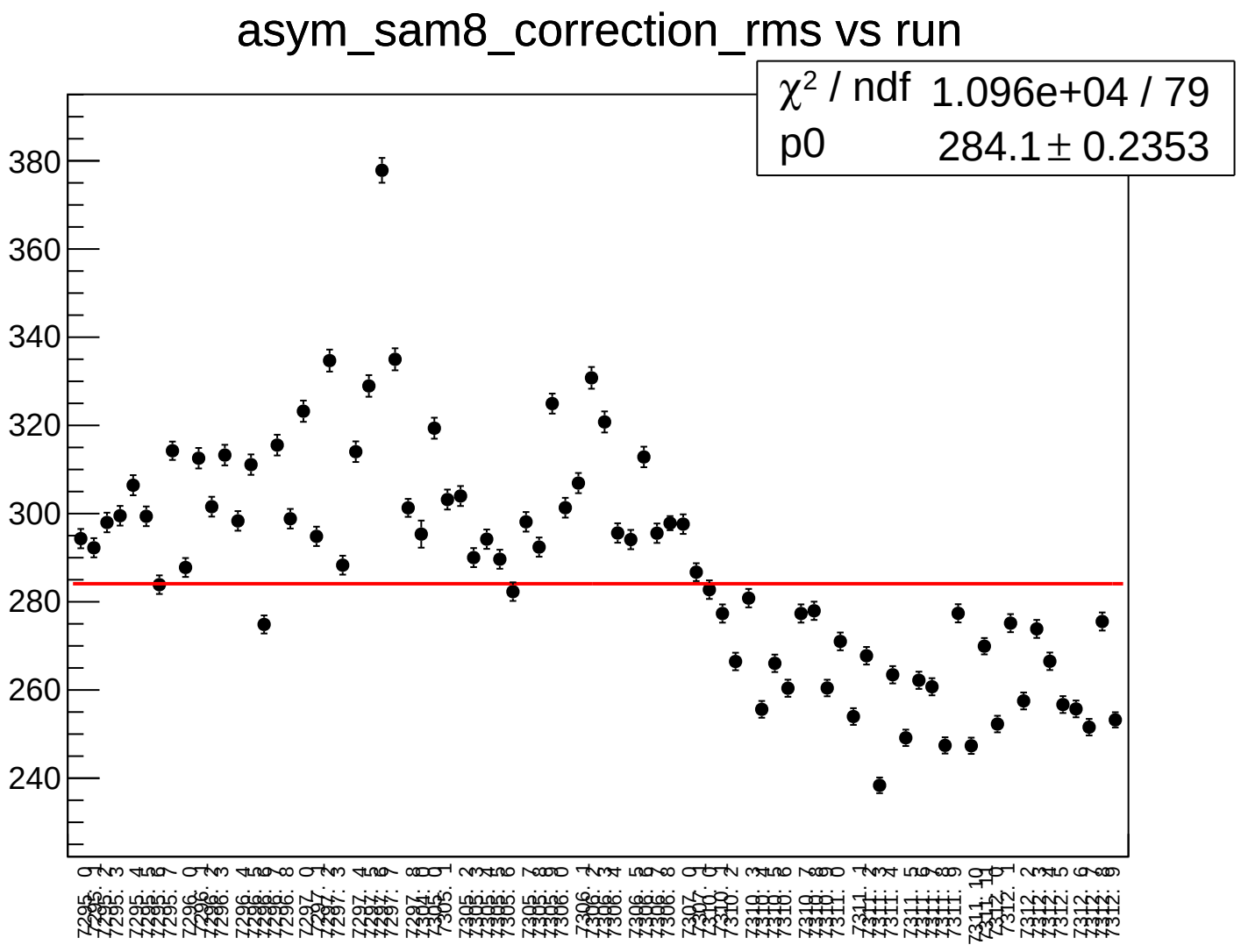

dit_asym_sam8_mean vs run
χ^2 / ndf 93.7 / 79
p0 104.8 ± 113.5
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 80
Mean 69.55
Std Dev 47.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

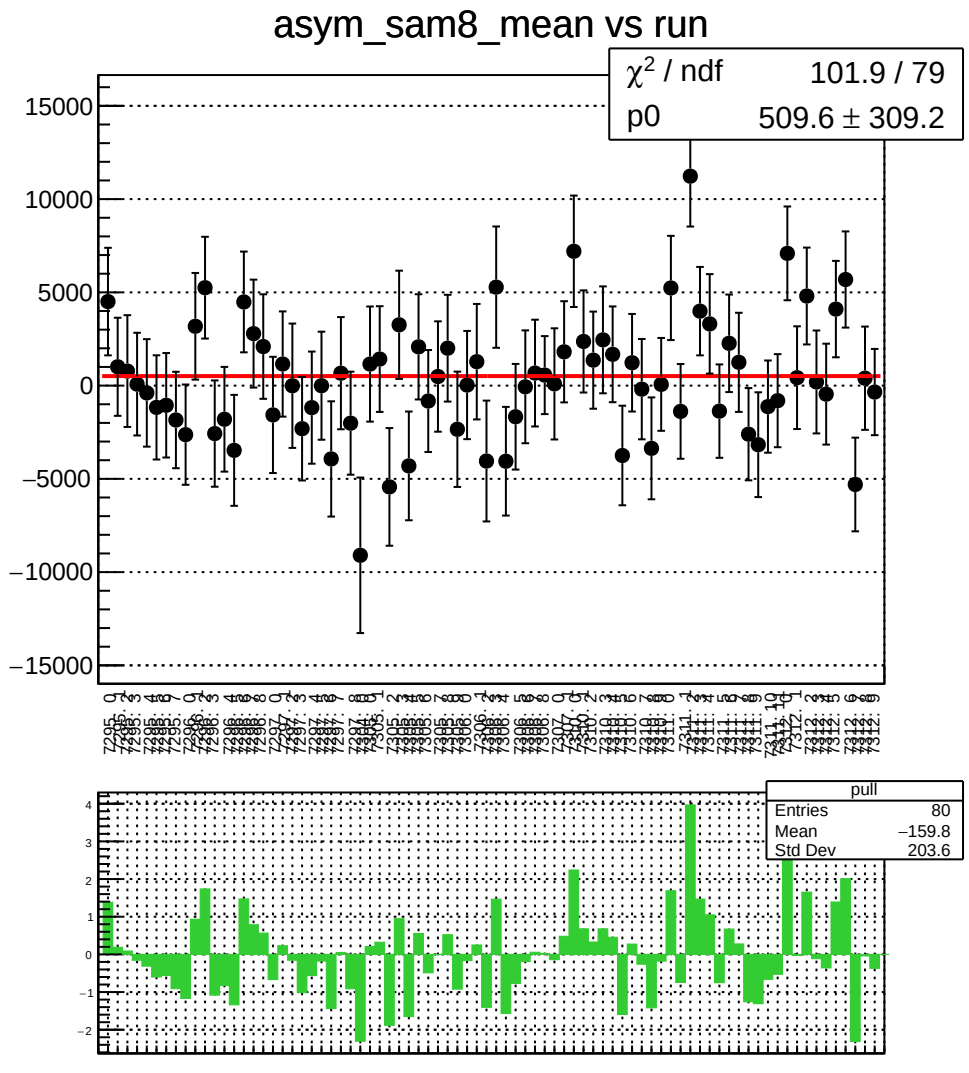

pull1D
Entries 80
Mean 0.03024
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

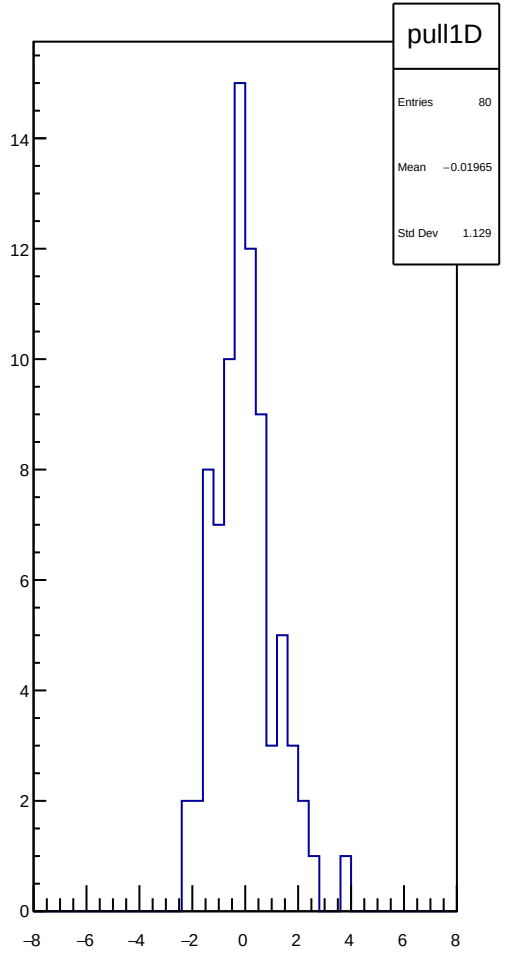

dit_asym_sam8_rms vs run
χ² / ndf 2.38e+05 / 79
p0 89.07 ± 0.08028
250
200
150
100
50

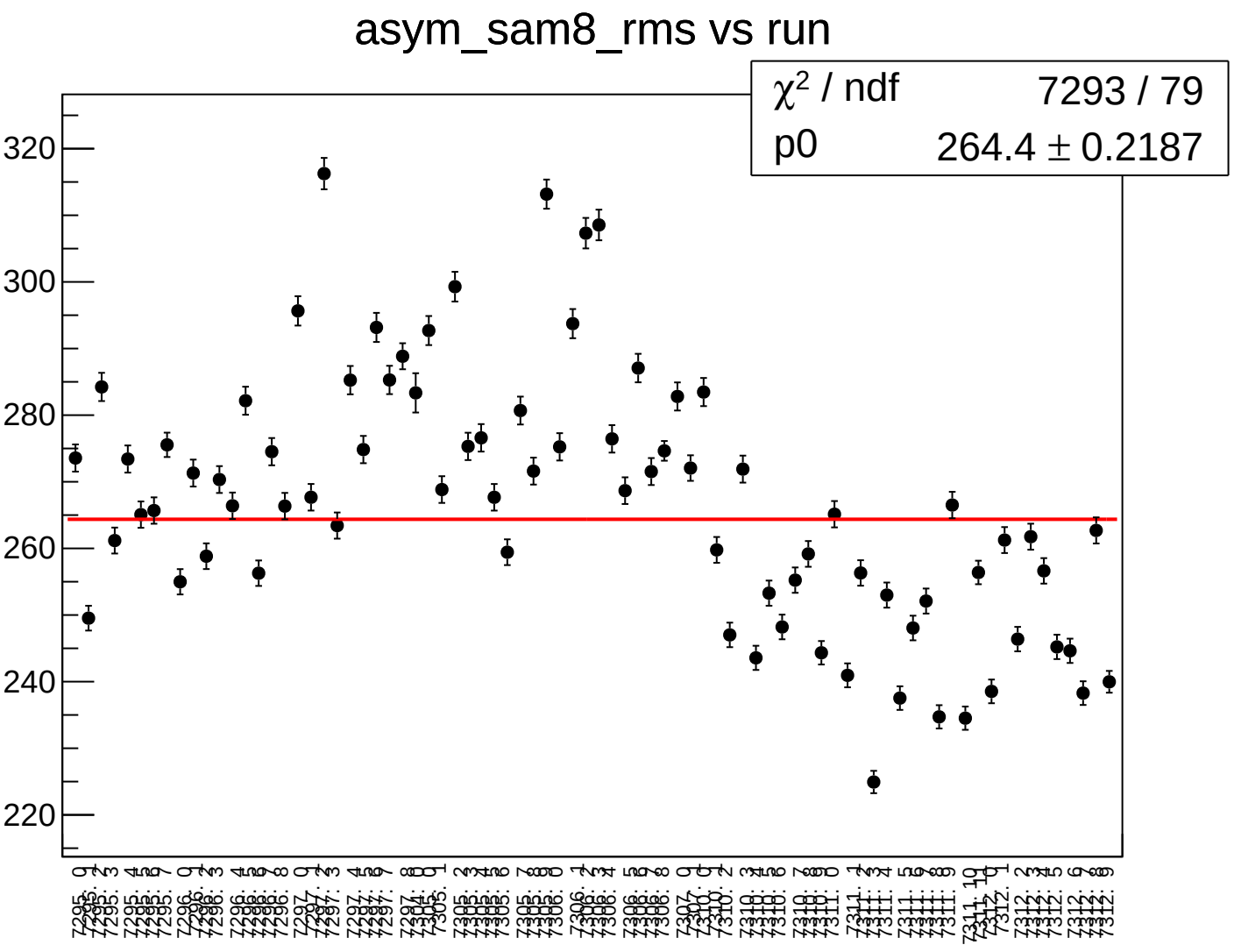

asym_sam8_correction_mean vs run
χ² / ndf 104.6 / 79
p0 −368.2 ± 332.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −125.9
Std Dev 174.1
2
1
0
−1
−2
−3
−4

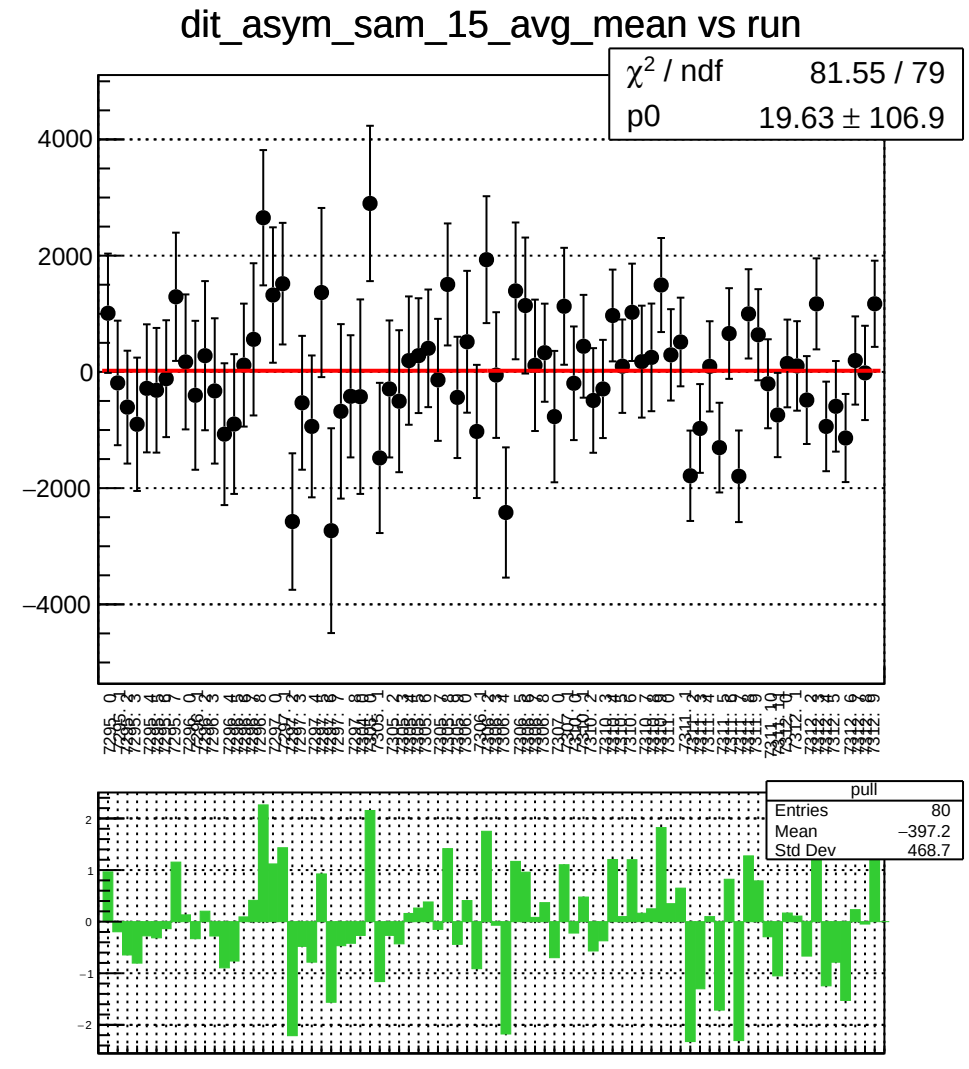

pull1D
Entries 80
Mean 0.01847
Std Dev 1.143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

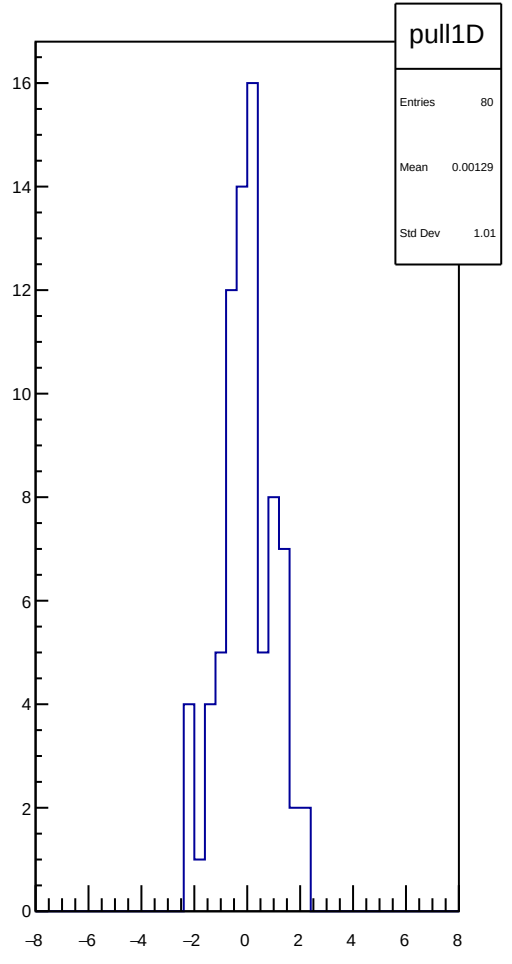

asym_sam8_correction_rms vs run
χ² / ndf 1.096e+04 / 79
p0 284.1 ± 0.2353
380
360
340
320
300
280
260
240

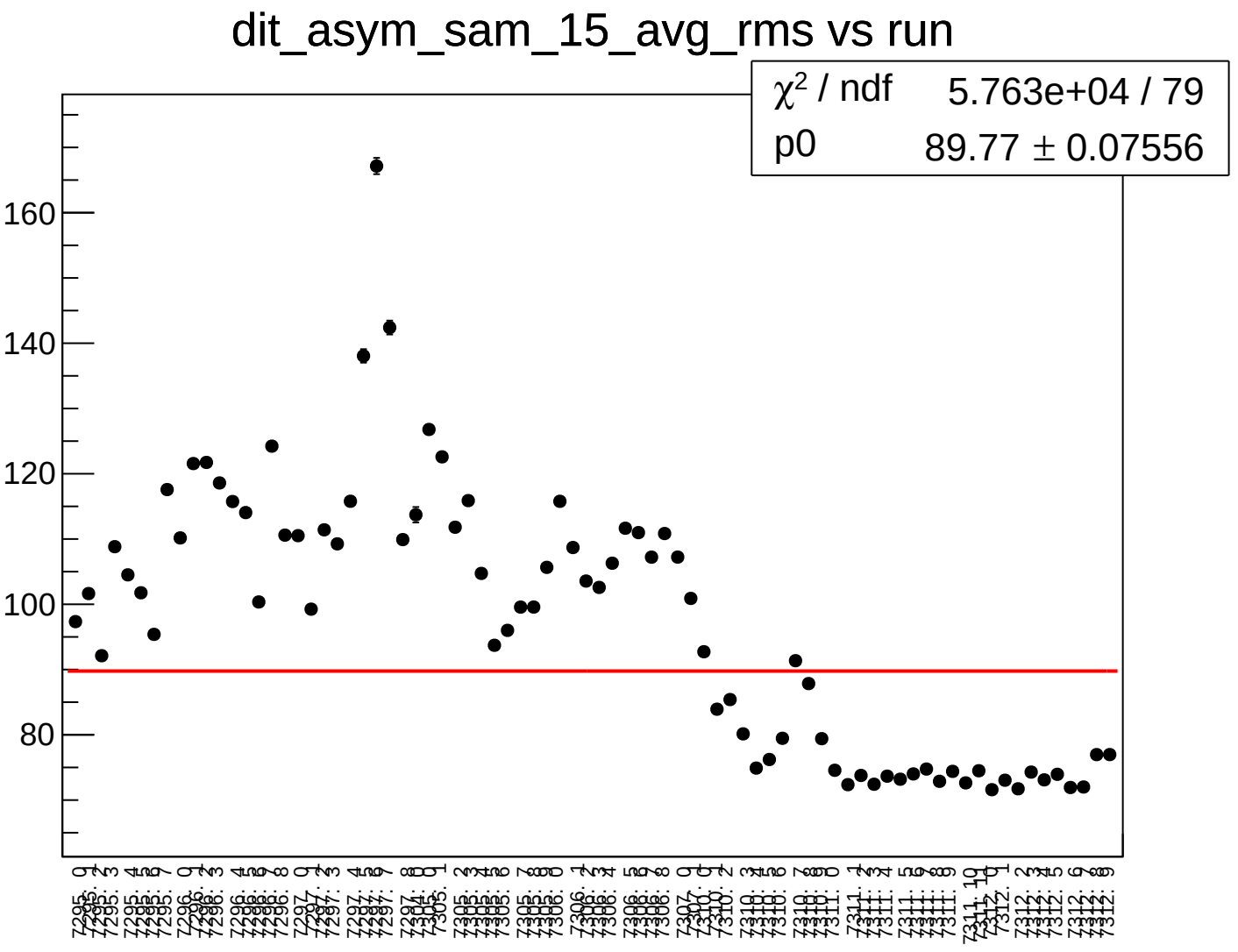

asym_sam8_mean vs run
χ² / ndf 101.9 / 79
p0 509.6 ± 309.2
pull
Entries 80
Mean −159.8
Std Dev 203.6

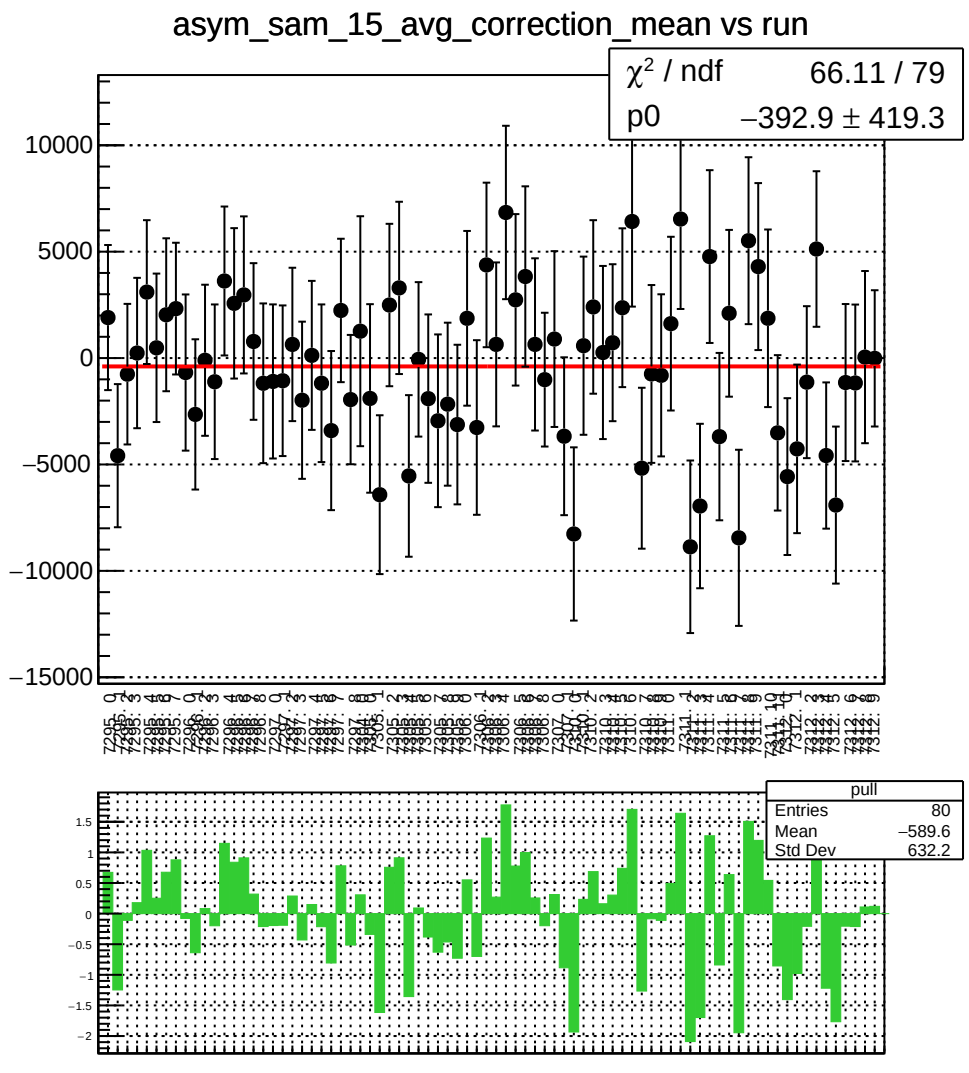

pull1D
Entries 80
Mean −0.01965
Std Dev 1.129

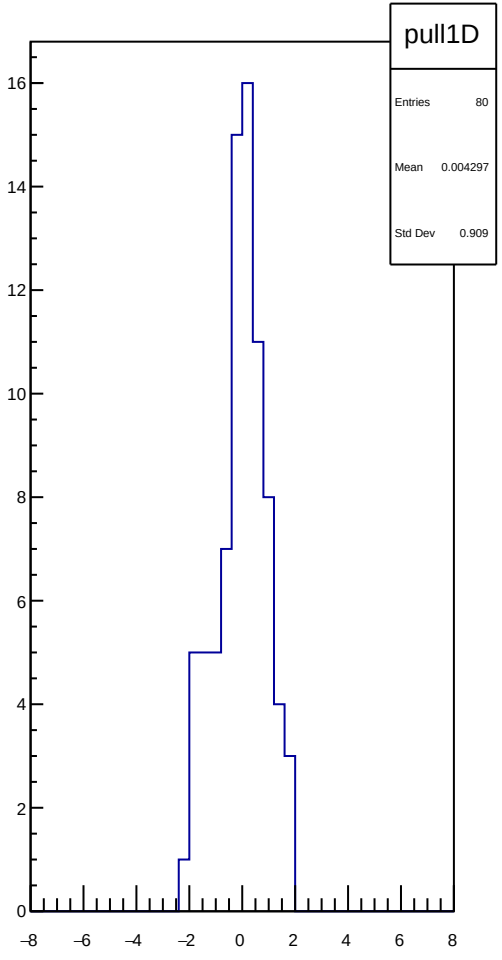

asym_sam8_rms vs run
χ² / ndf 7293 / 79
p0 264.4 ± 0.2187
320
300
280
260
240
220

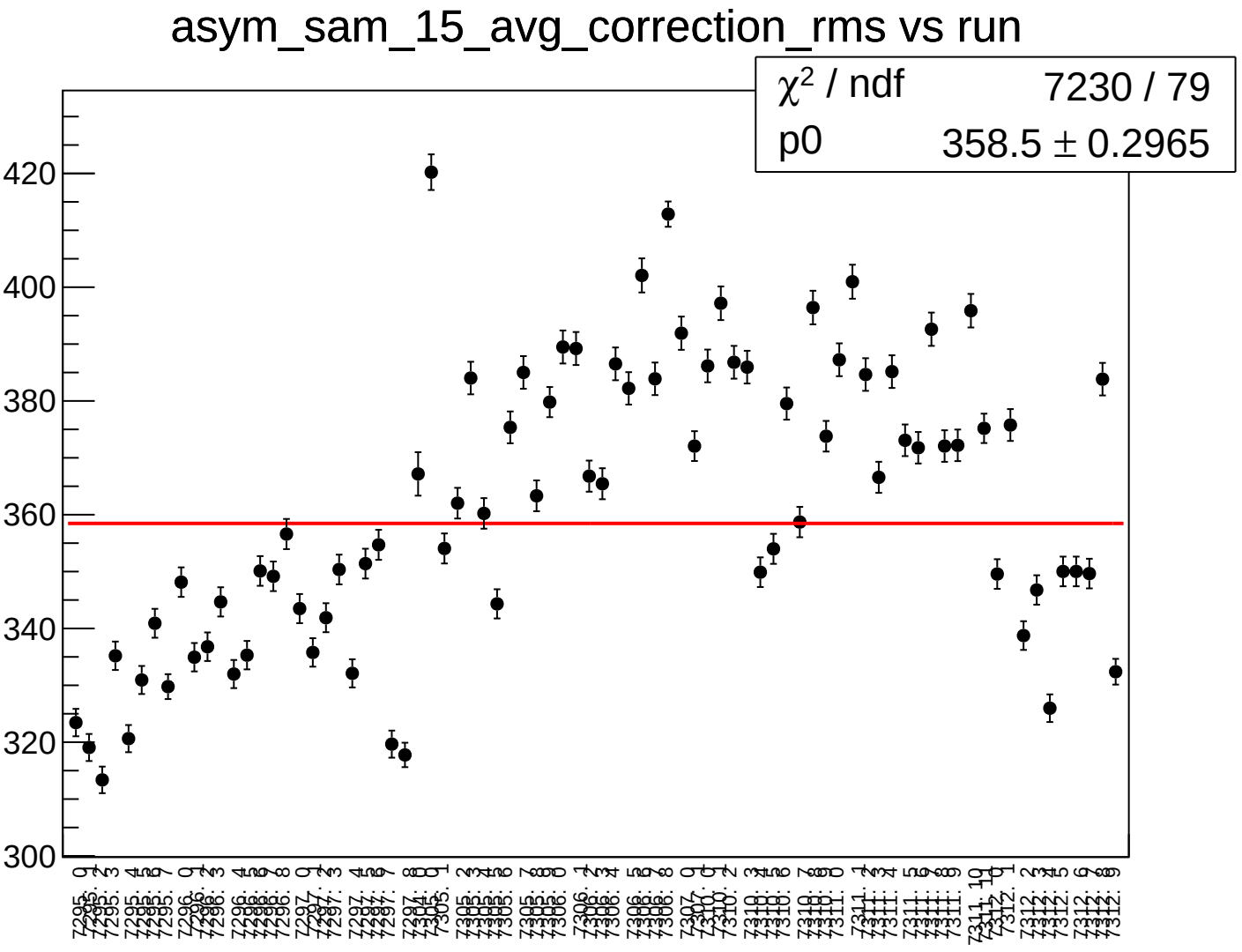

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 81.55 / 79
p0 19.63 ± 106.9
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −397.2
Std Dev 468.7
2
1
0
−1
−2

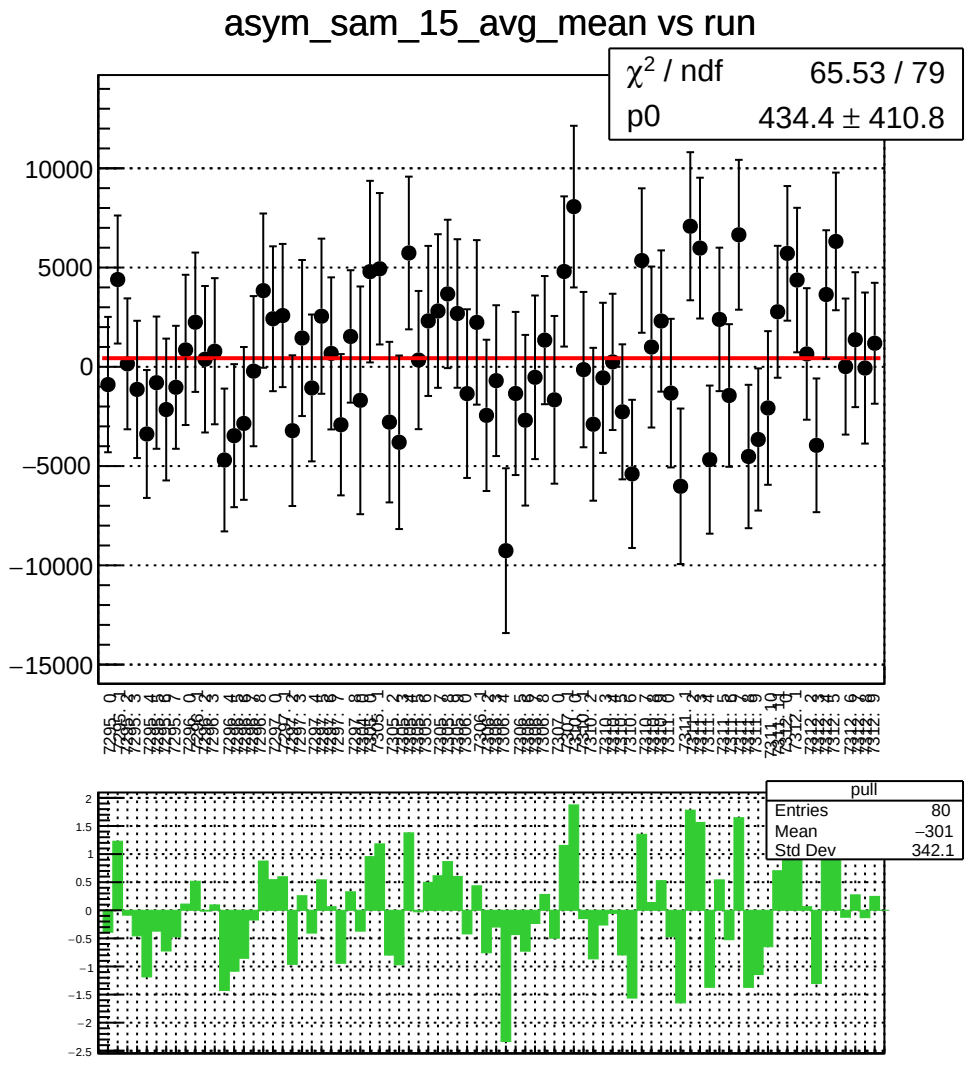

pull1D
Entries 80
Mean 0.00129
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

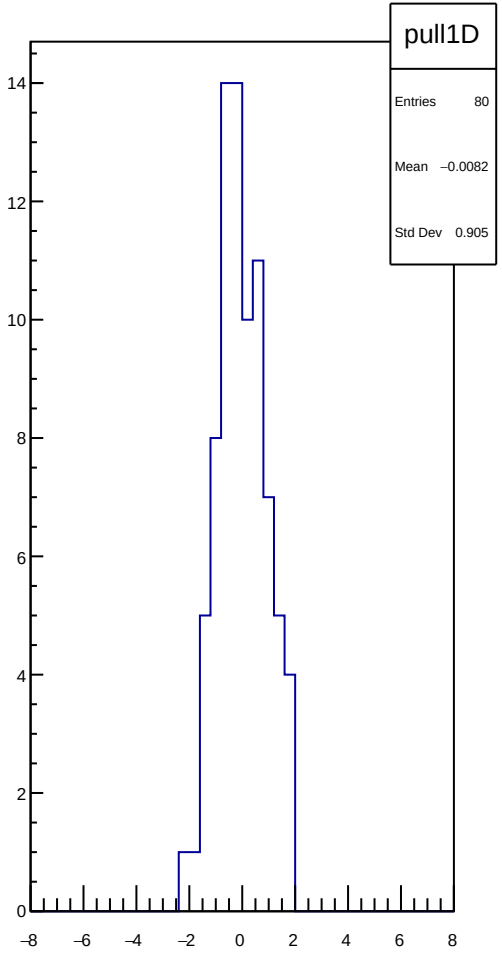

dit_asym_sam_15_avg_rms vs run
χ² / ndf 5.763e+04 / 79
p0 89.77 ± 0.07556
160
140
120
100
80

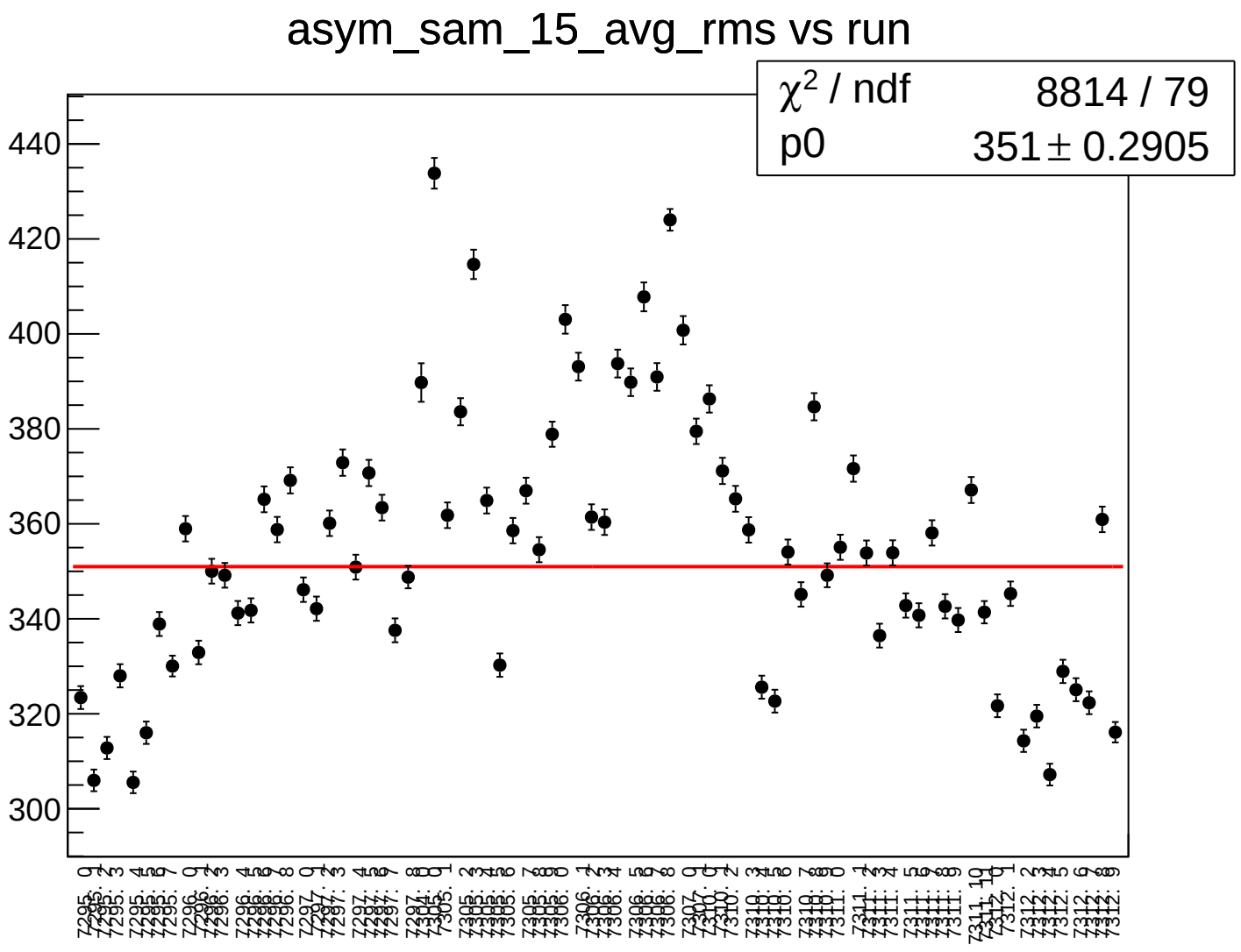

asym_sam_15_avg_correction_mean vs run
χ² / ndf 66.11 / 79
p0 −392.9 ± 419.3
pull
Entries 80
Mean −589.6
Std Dev 632.2

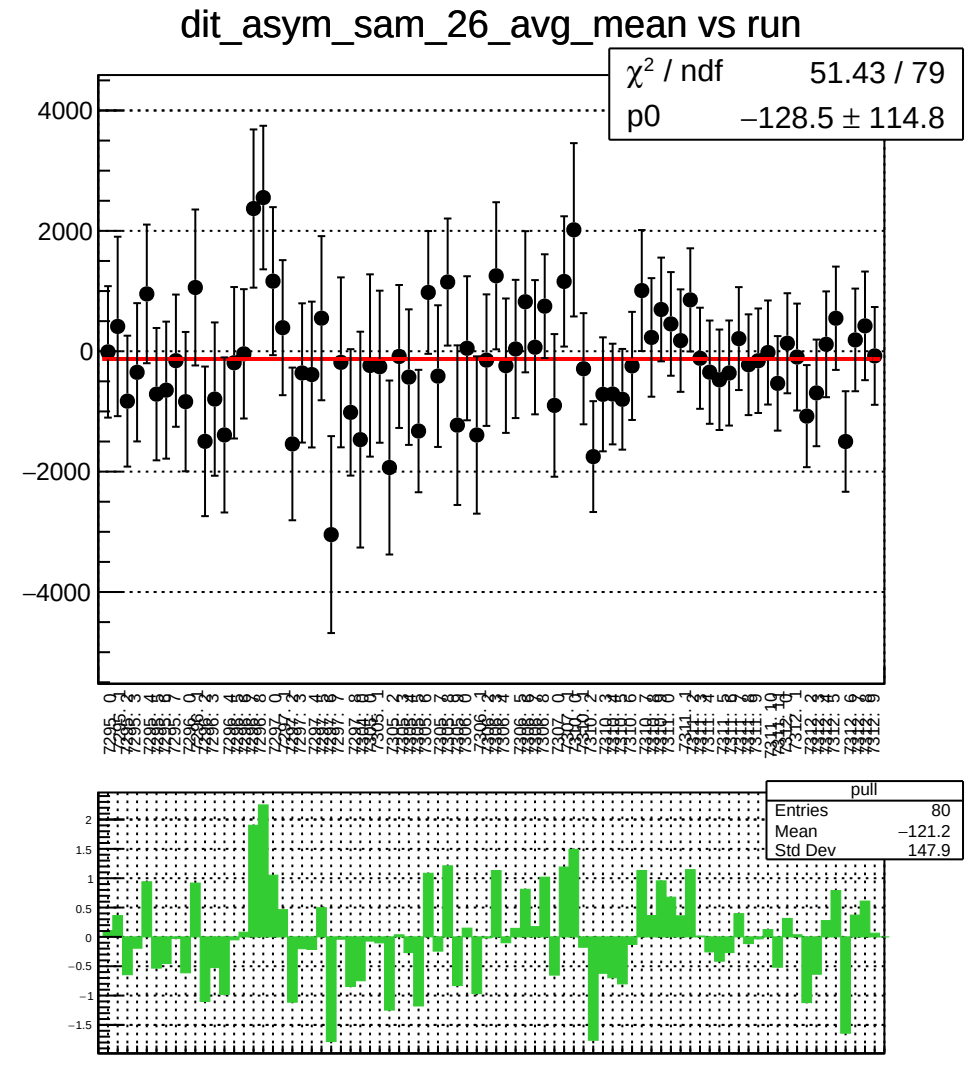

pull1D
Entries 80
Mean 0.004297
Std Dev 0.909

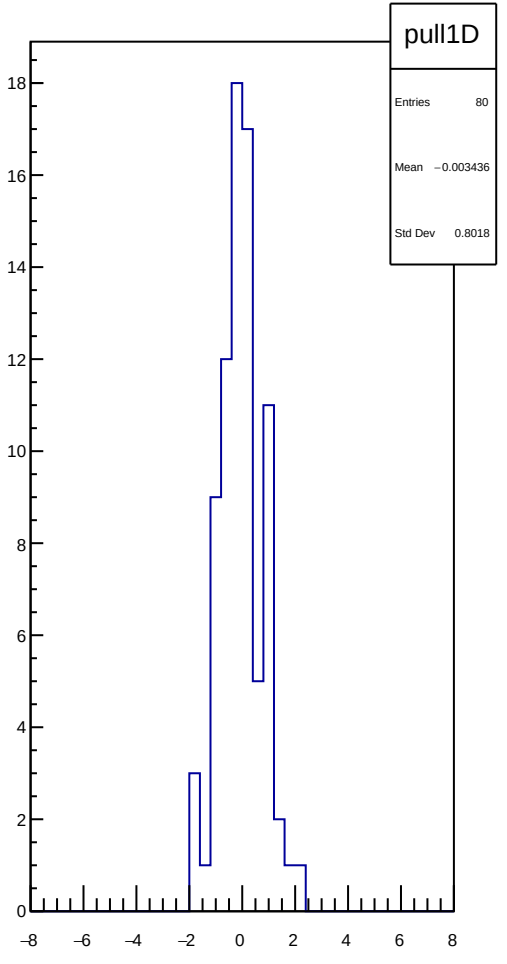

asym_sam_15_avg_correction_rms vs run
χ² / ndf 7230 / 79
p0 358.5 ± 0.2965
420
400
380
360
340
320
300

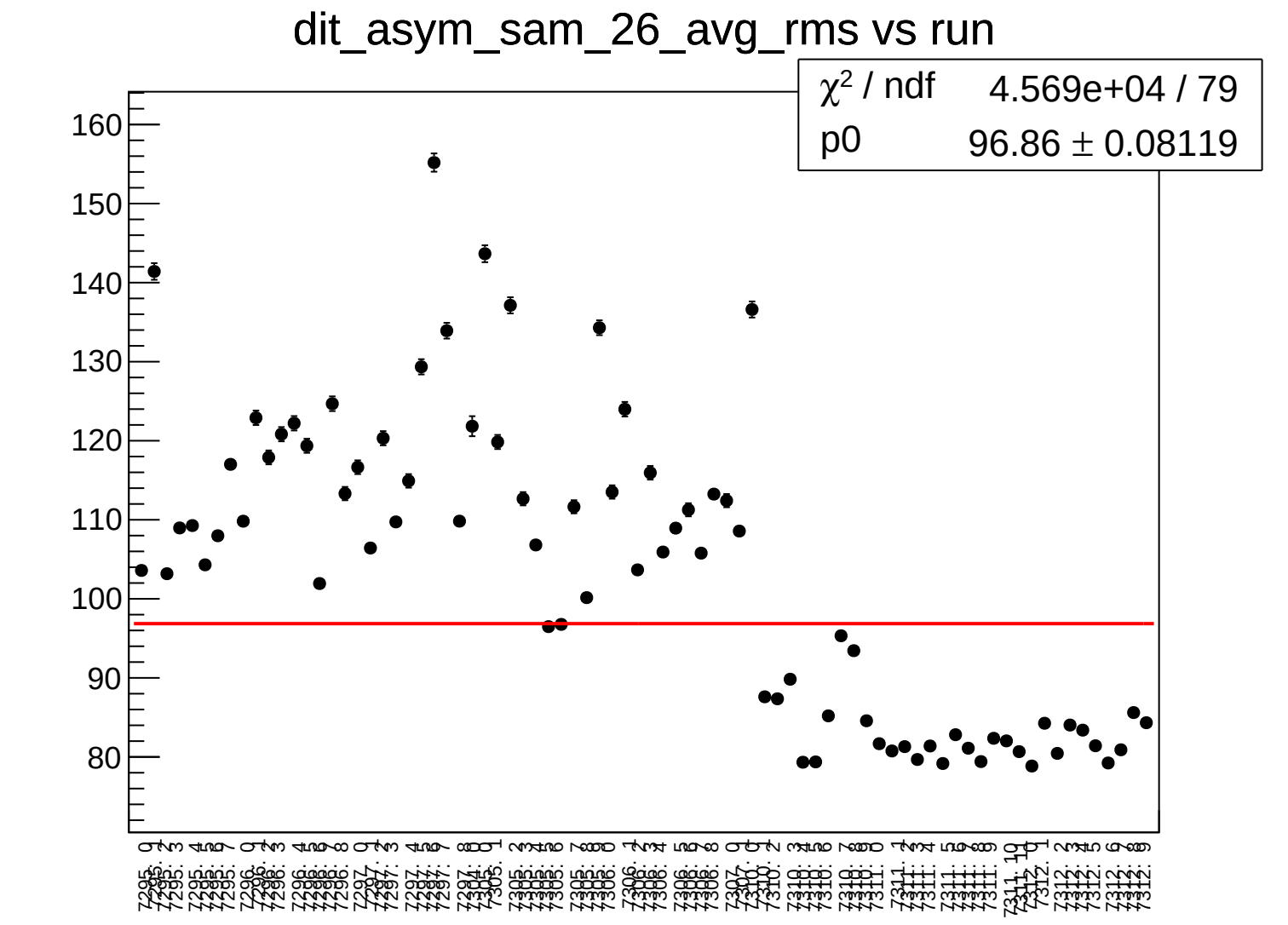

asym_sam_15_avg_mean vs run
χ² / ndf 65.53 / 79
p0 434.4 ± 410.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −301
Std Dev 342.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

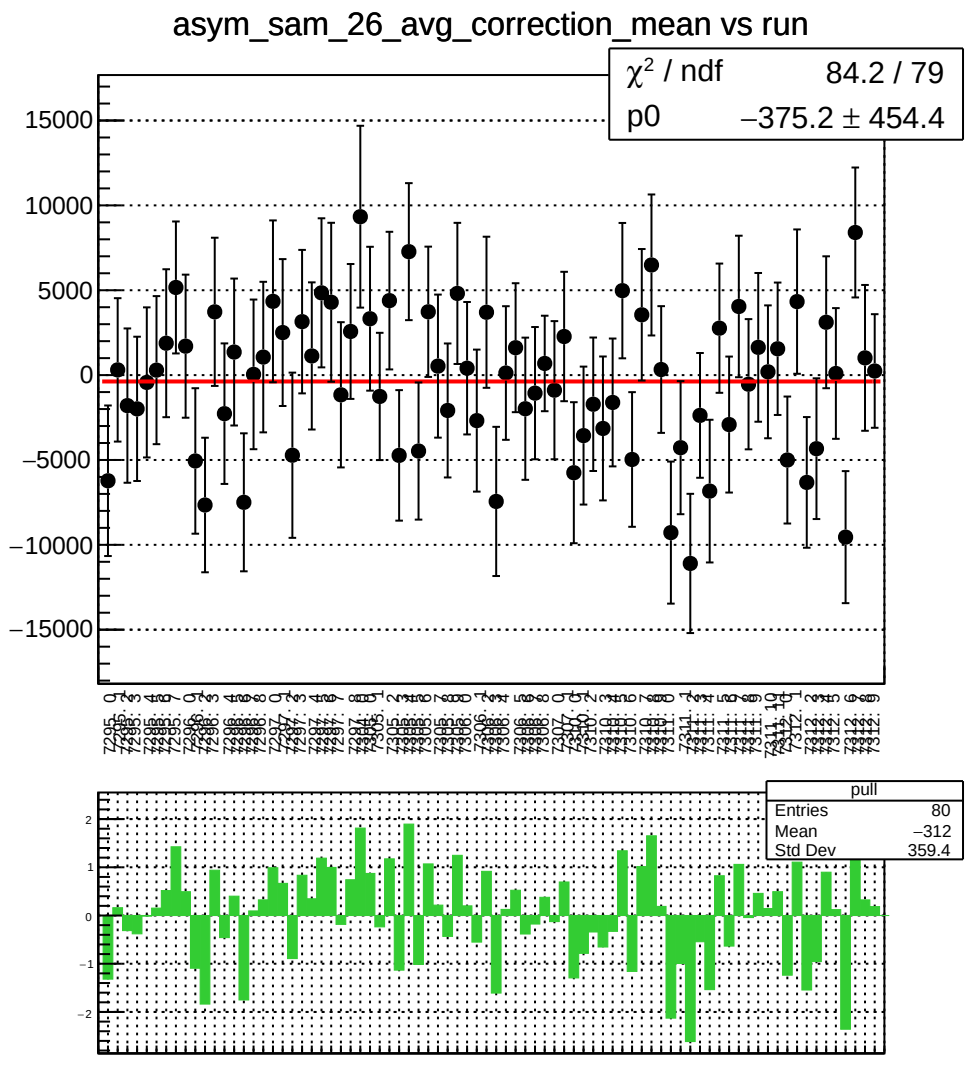

pull1D
Entries 80
Mean −0.0082
Std Dev 0.905
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

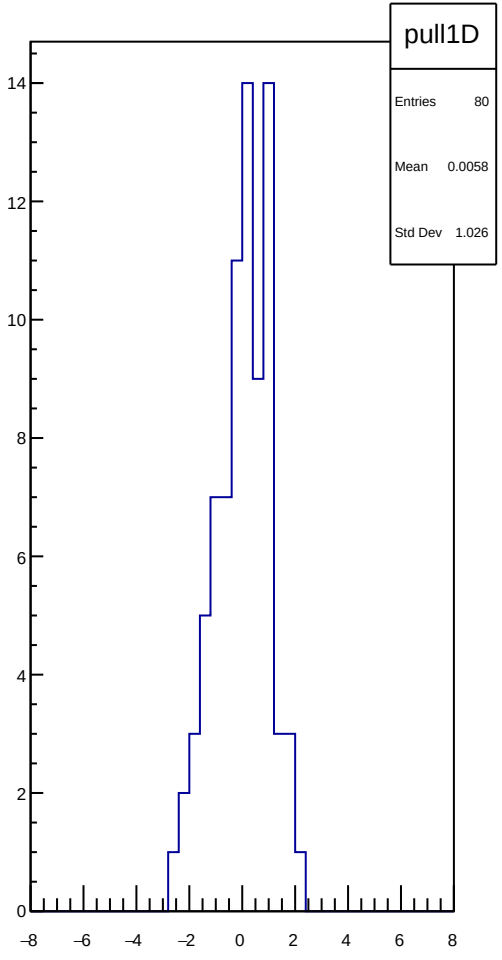

asym_sam_15_avg_rms vs run
χ^2 / ndf 8814 / 79
p0 351 ± 0.2905
440
420
400
380
360
340
320
300

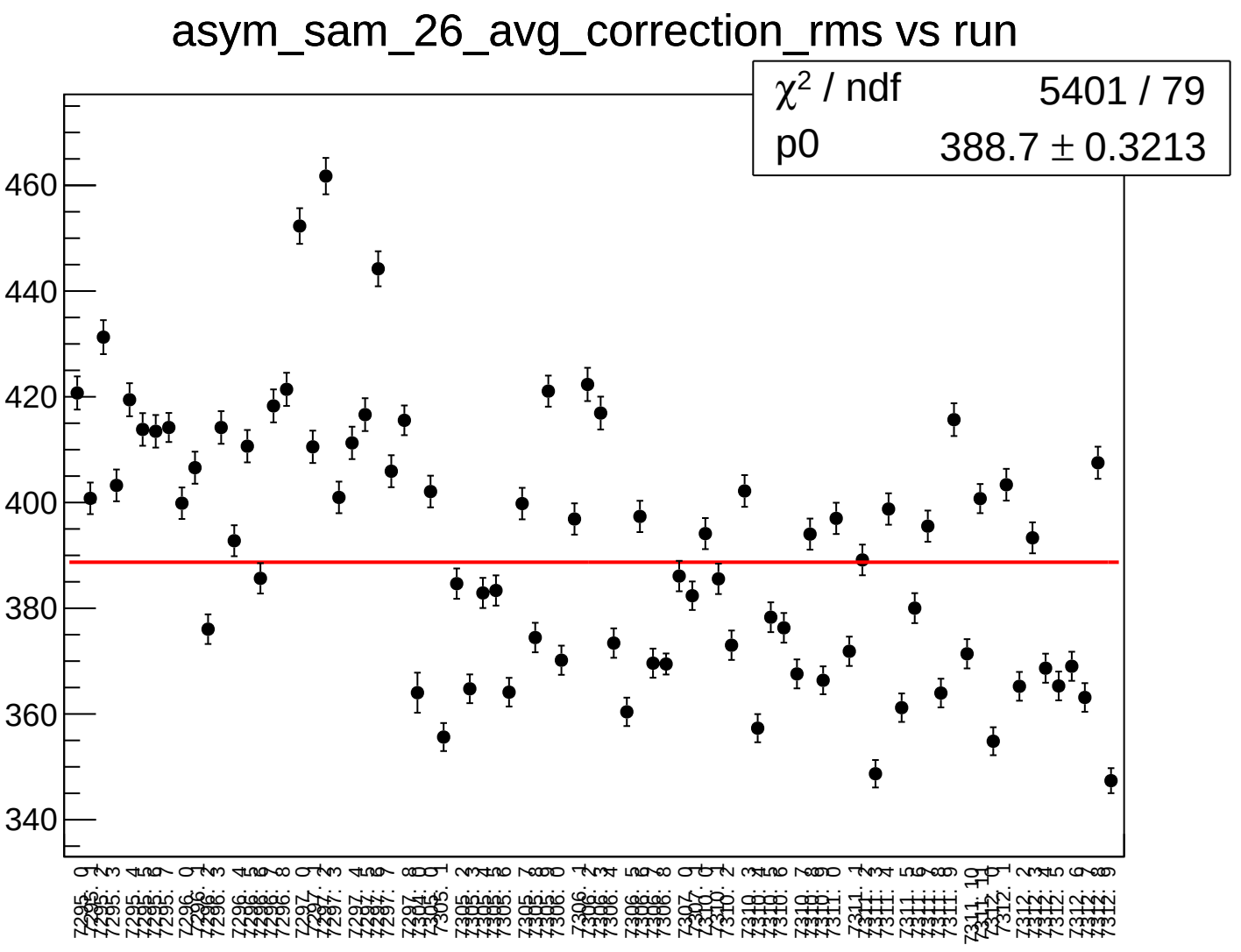

dit_asym_sam_26_avg_mean vs run
χ² / ndf 51.43 / 79
p0 −128.5 ± 114.8
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −121.2
Std Dev 147.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

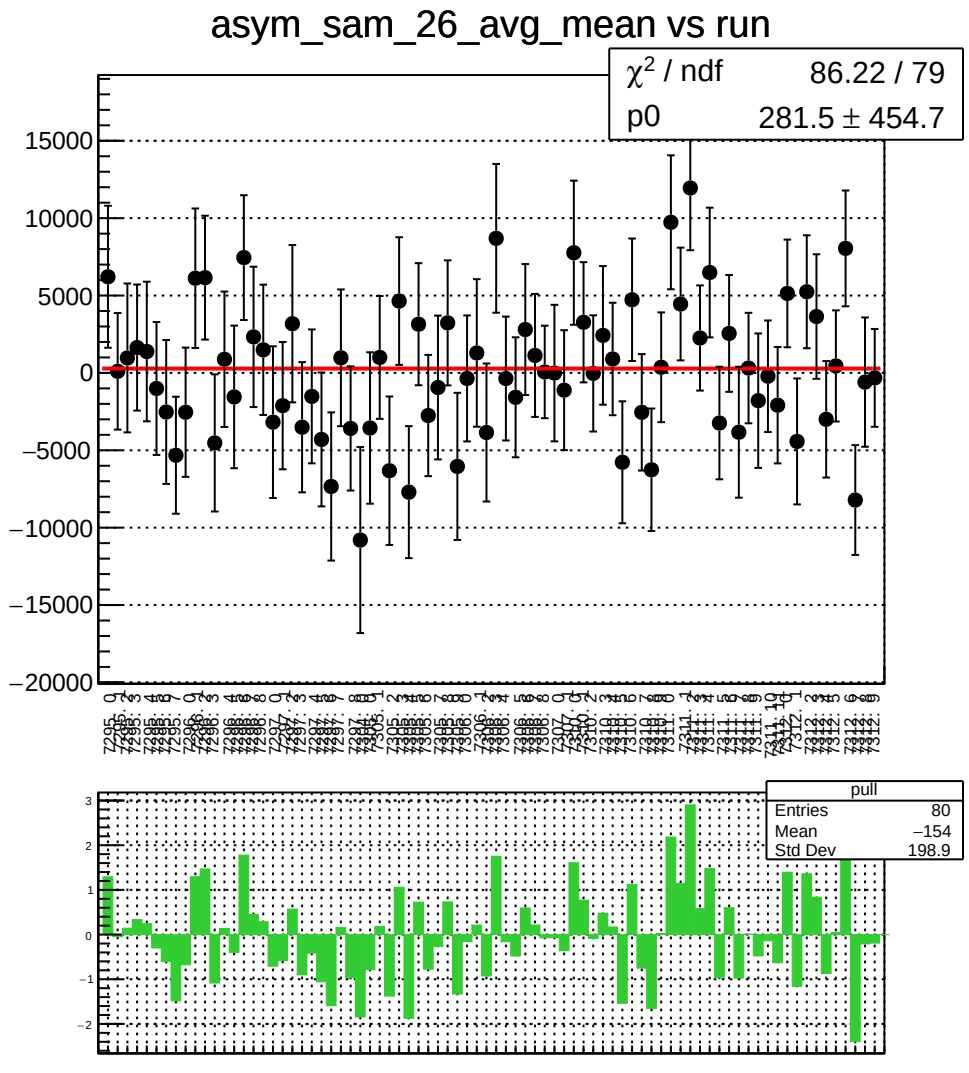

pull1D
Entries 80
Mean −0.003436
Std Dev 0.8018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

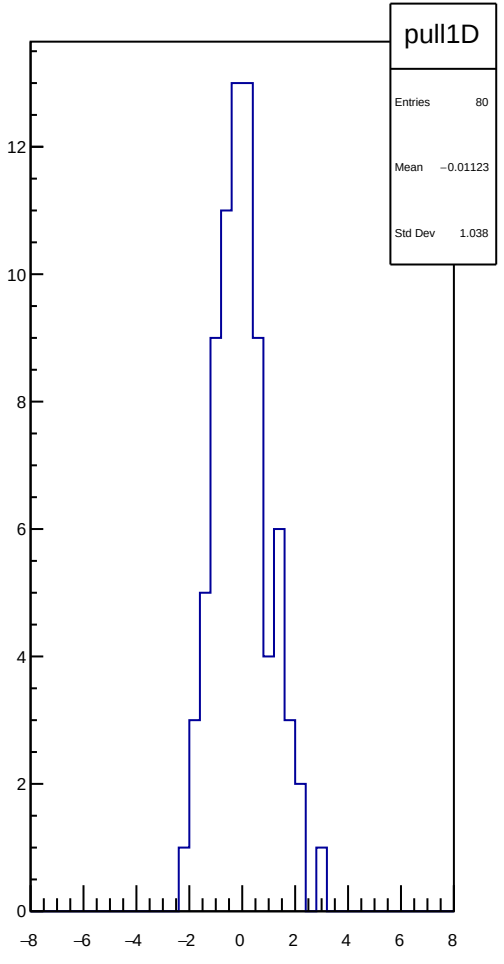

dit_asym_sam_26_avg_rms vs run
χ² / ndf 4.569e+04 / 79
p0 96.86 ± 0.08119
160
150
140
130
120
110
100
90
80

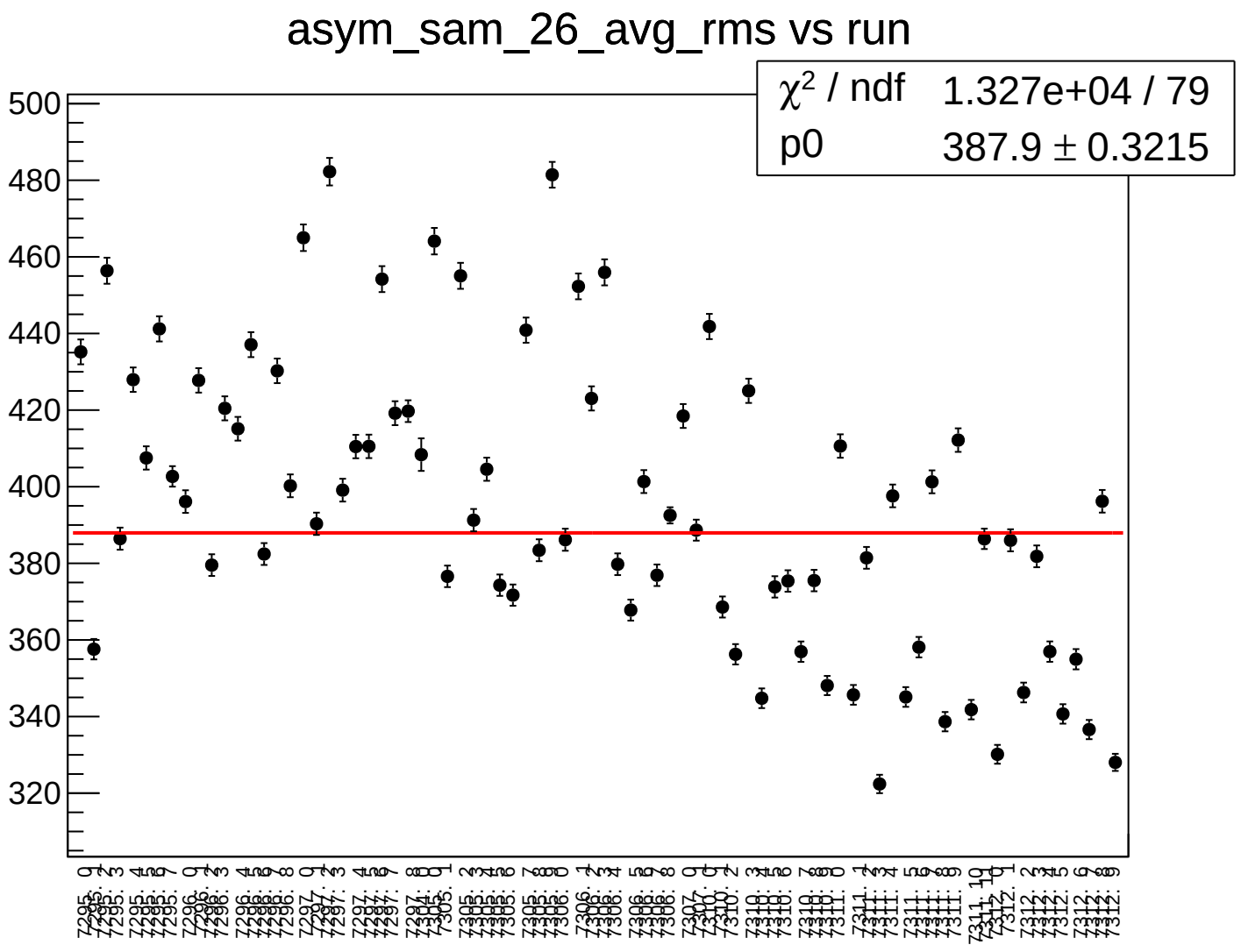

asym_sam_26_avg_correction_mean vs run
χ² / ndf 84.2 / 79
p0 −375.2 ± 454.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −312
Std Dev 359.4
2
1
0
−1
−2

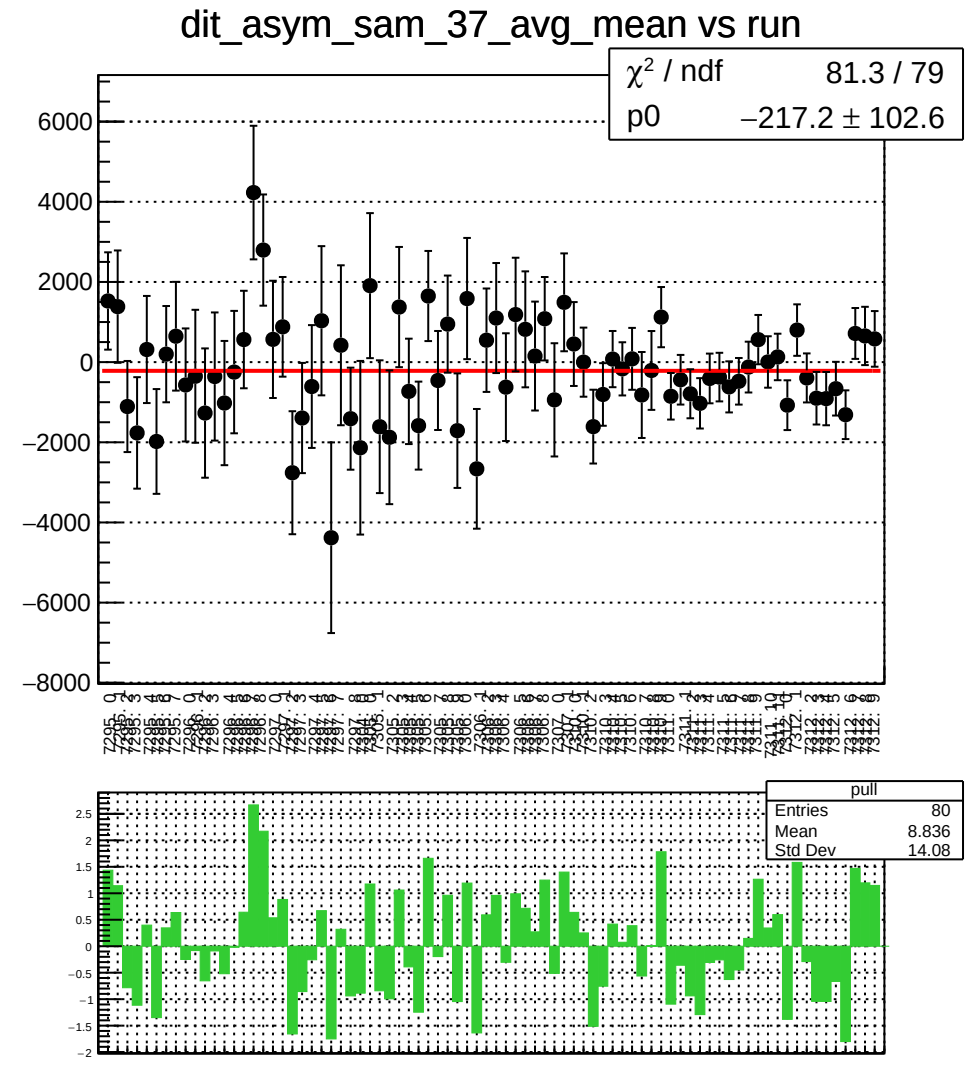

pull1D
Entries 80
Mean 0.0058
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

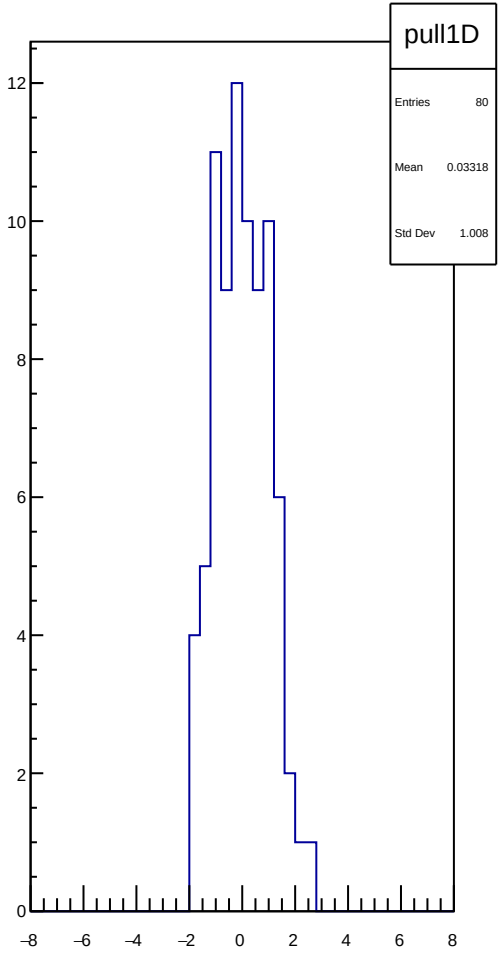

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5401 / 79
p0 388.7 ± 0.3213
460
440
420
400
380
360
340

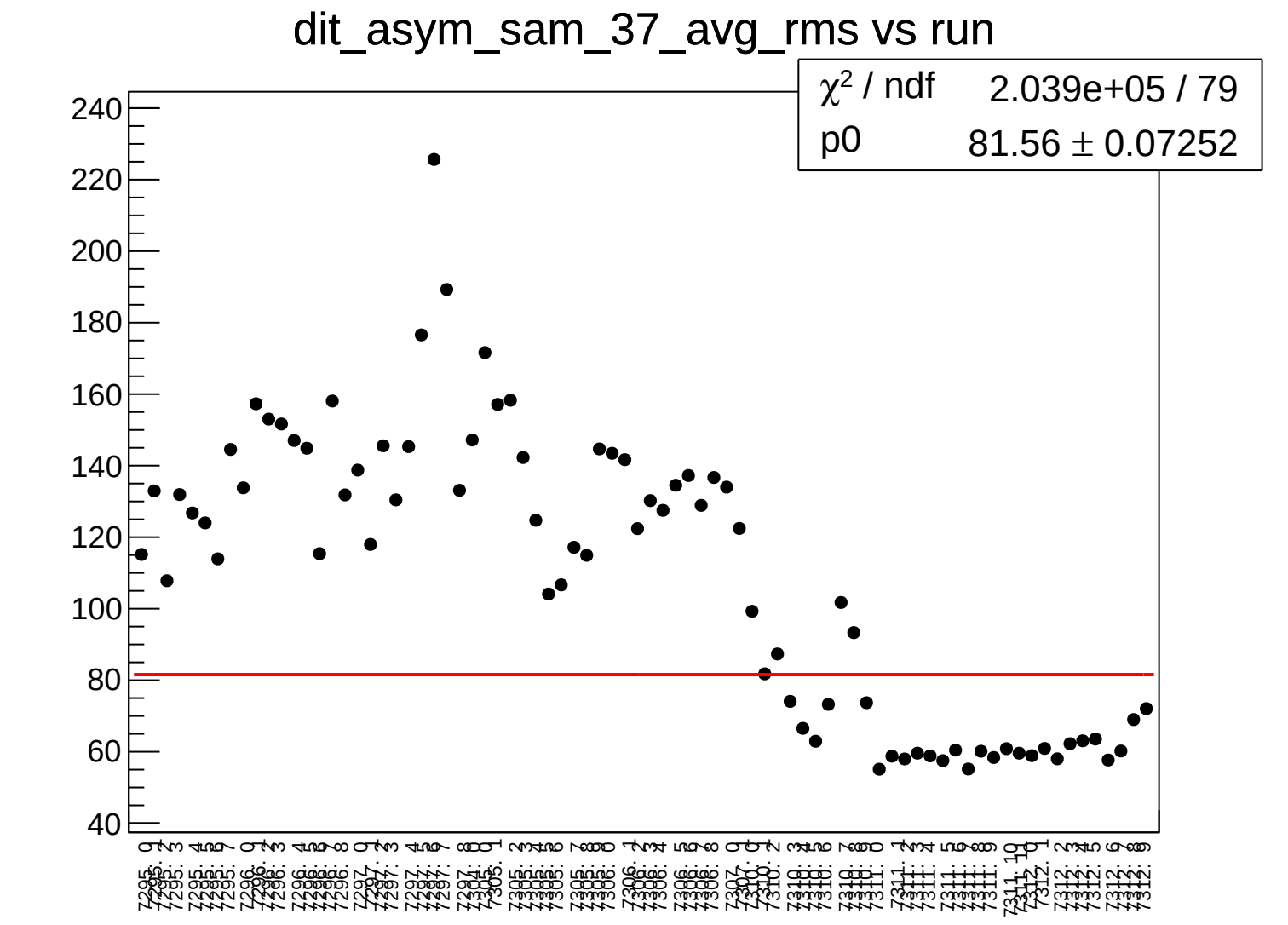

asym_sam_26_avg_mean vs run
χ² / ndf 86.22 / 79
p0 281.5 ± 454.7
pull
Entries 80
Mean −154
Std Dev 198.9

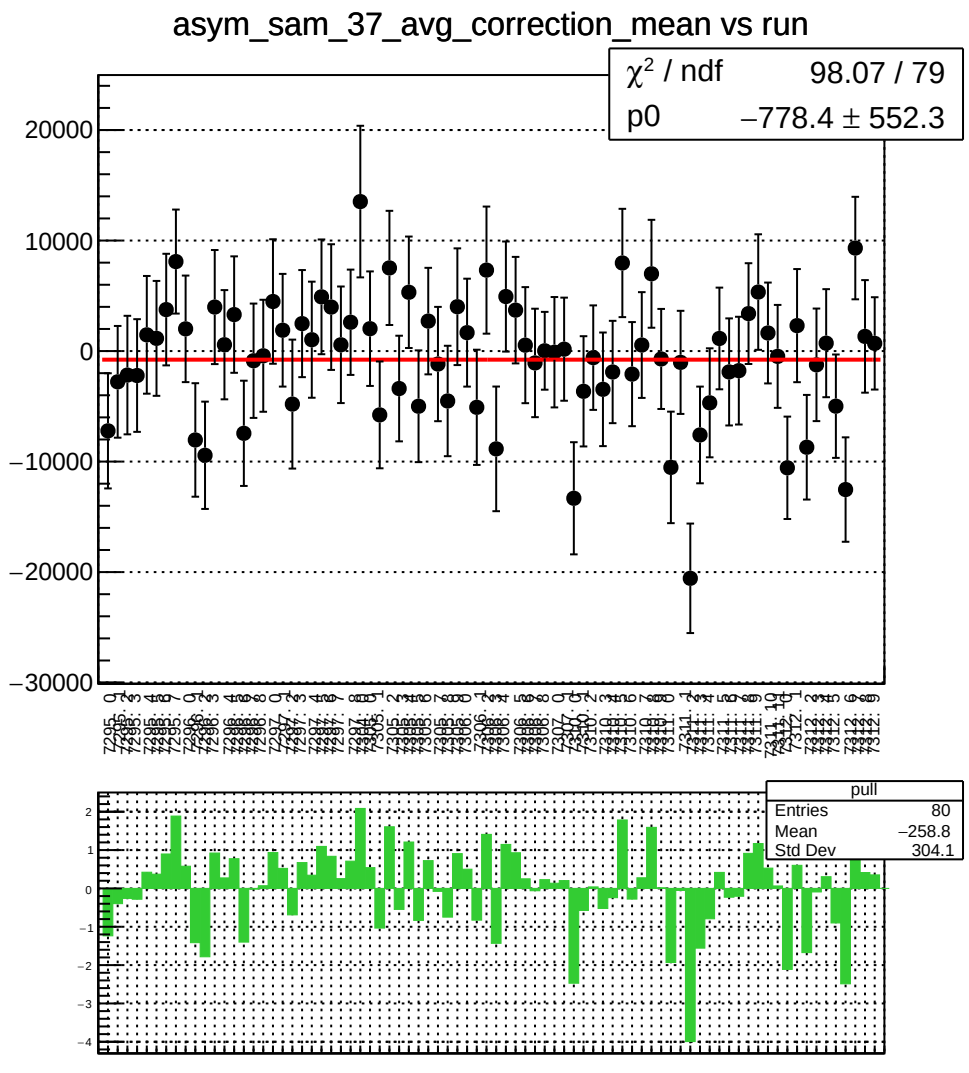

pull1D
Entries 80
Mean −0.01123
Std Dev 1.038

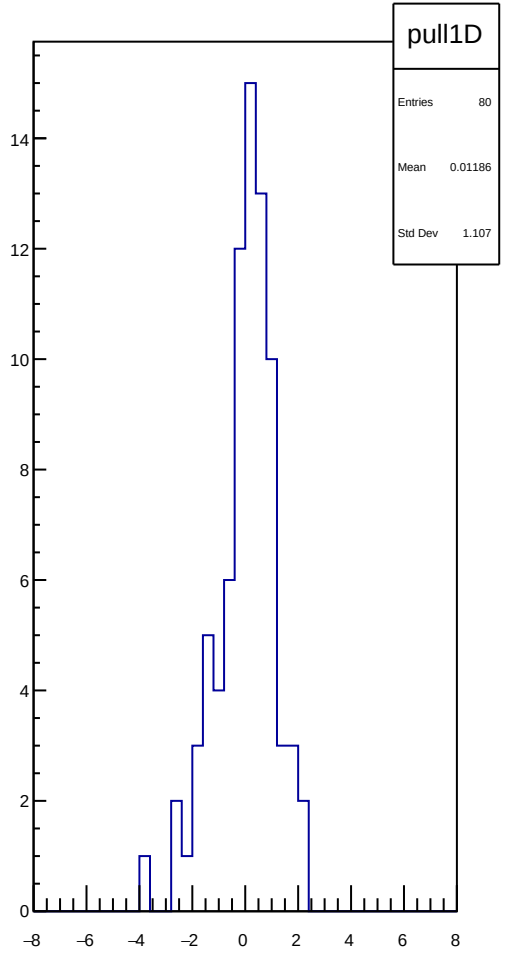

asym_sam_26_avg_rms vs run
χ² / ndf 1.327e+04 / 79
p0 387.9 ± 0.3215
500
480
460
440
420
400
380
360
340
320

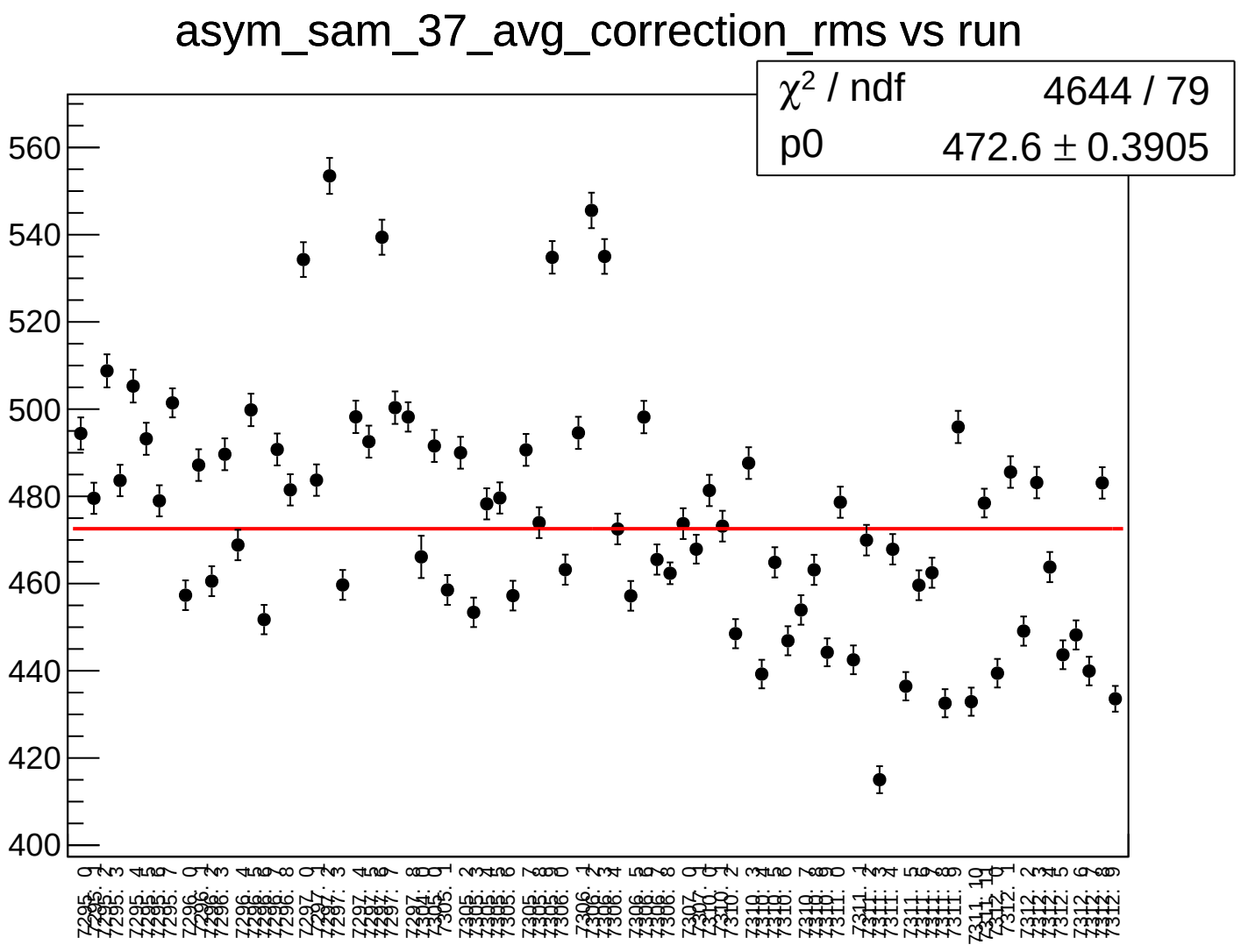

dit_asym_sam_37_avg_mean vs run
χ² / ndf 81.3 / 79
p0 −217.2 ± 102.6
pull
Entries 80
Mean 8.836
Std Dev 14.08

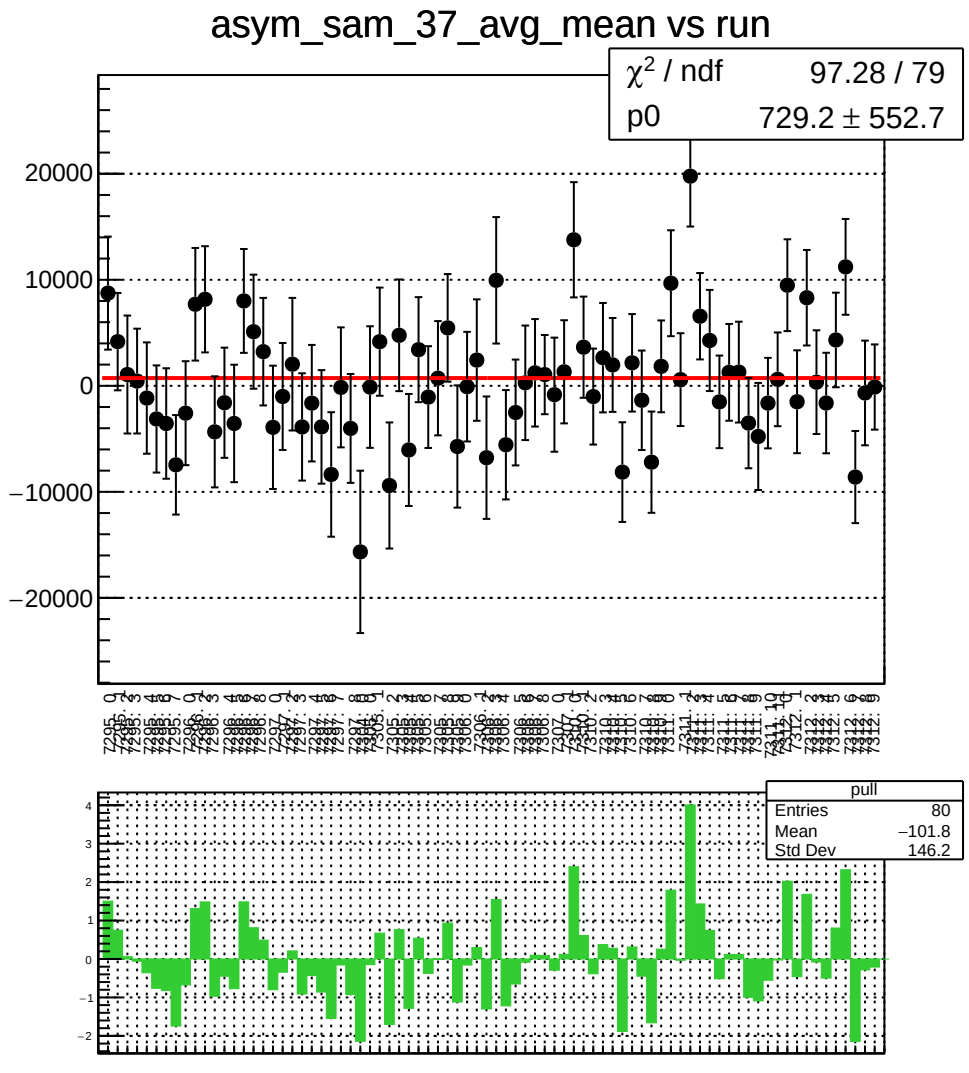

pull1D
Entries 80
Mean 0.03318
Std Dev 1.008

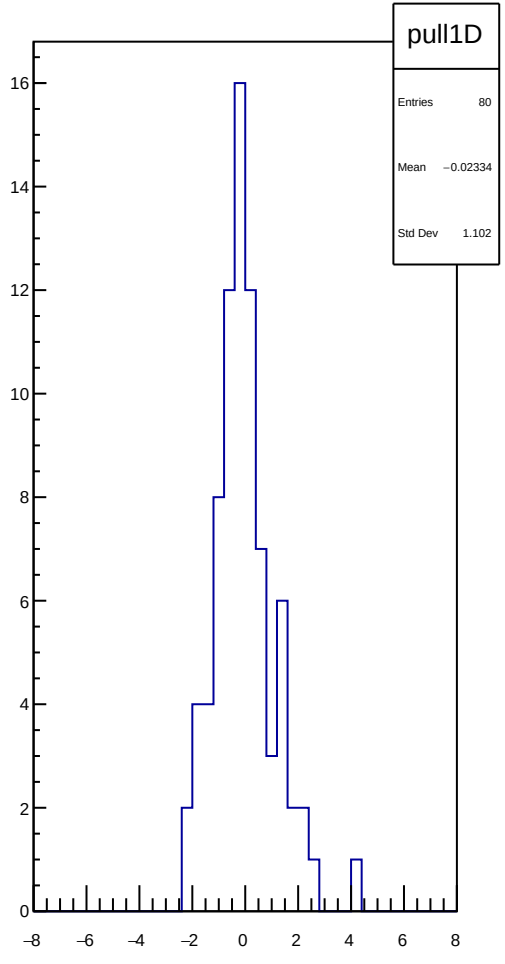

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.039e+05 / 79
p0 81.56 ± 0.07252
240
220
200
180
160
140
120
100
80
60
40

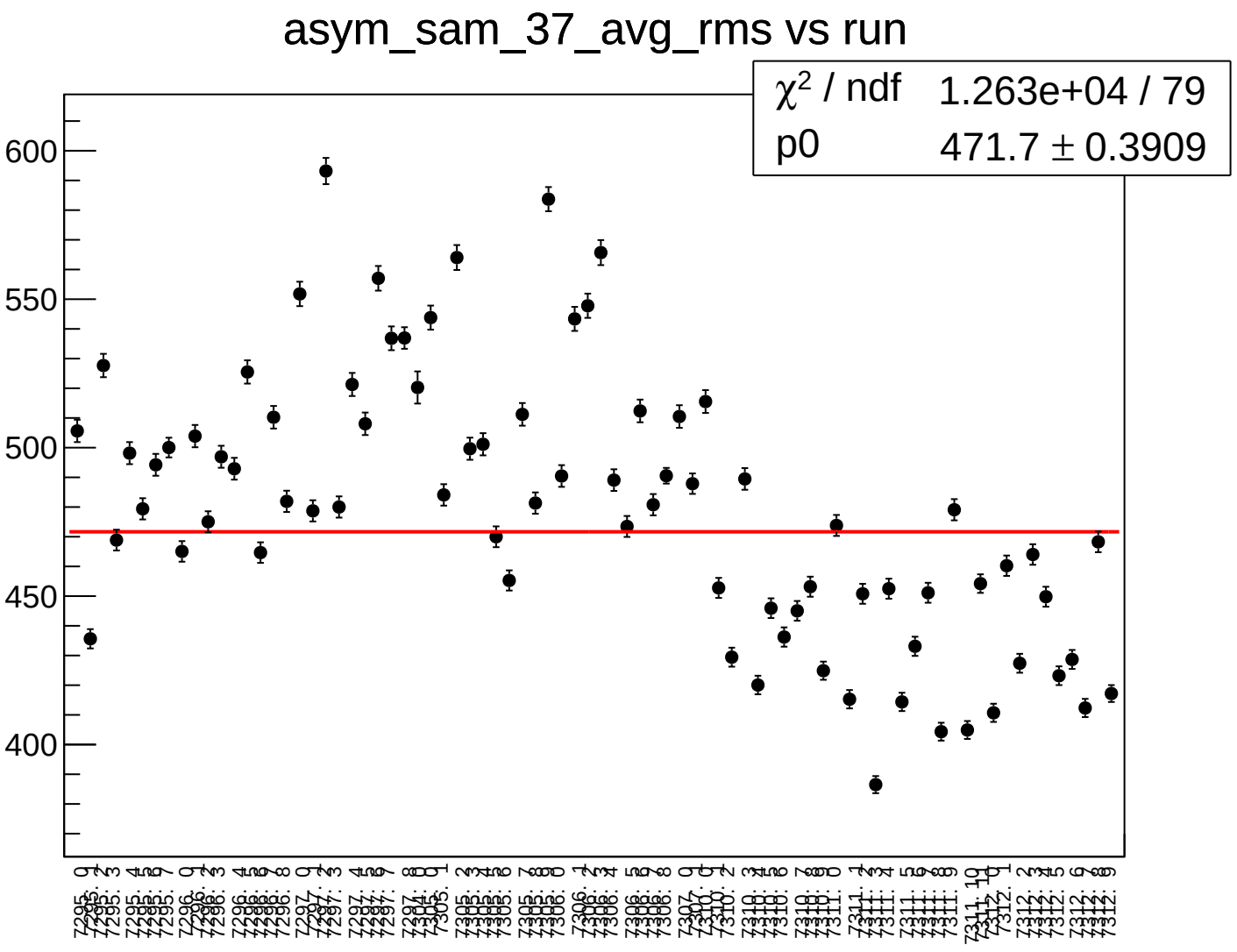

asym_sam_37_avg_correction_mean vs run
χ² / ndf 98.07 / 79
p0 −778.4 ± 552.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −258.8
Std Dev 304.1
2
1
0
−1
−2
−3
−4

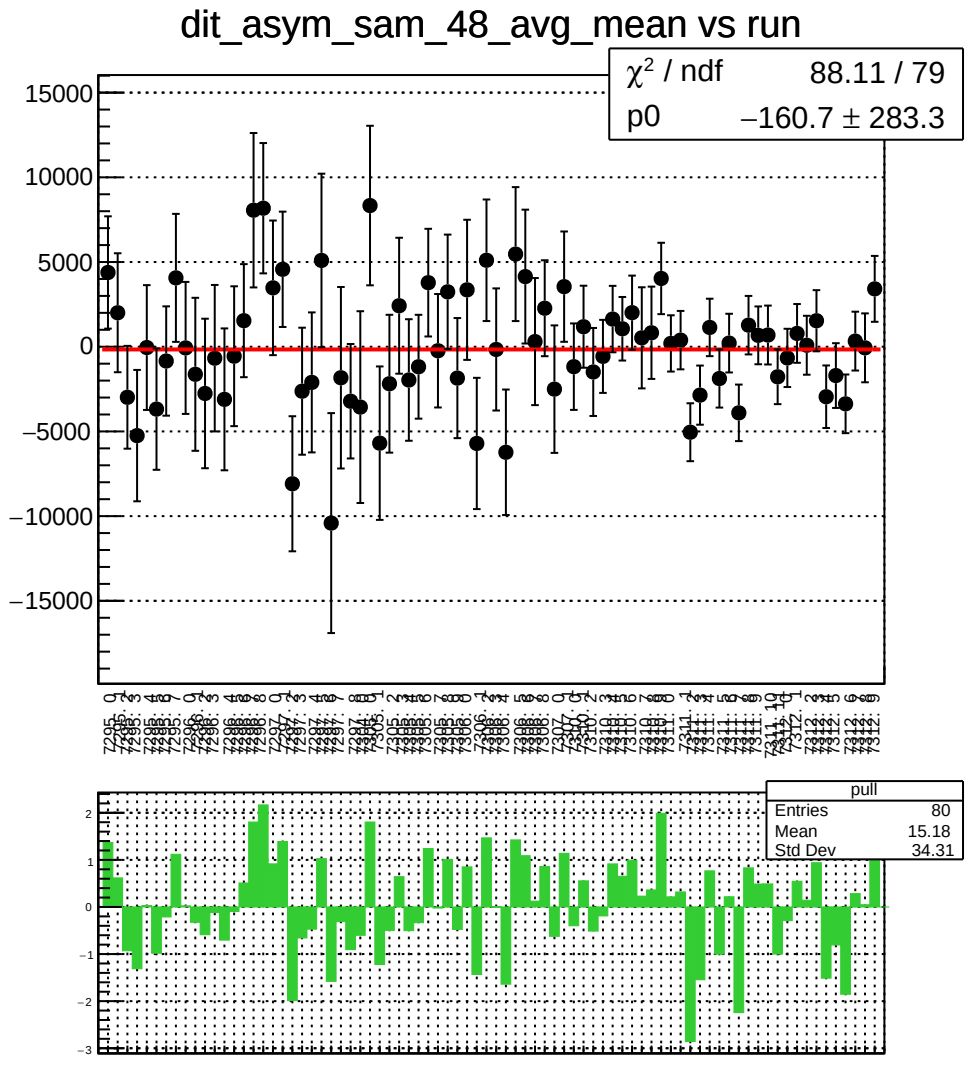

pull1D
Entries 80
Mean 0.01186
Std Dev 1.107
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

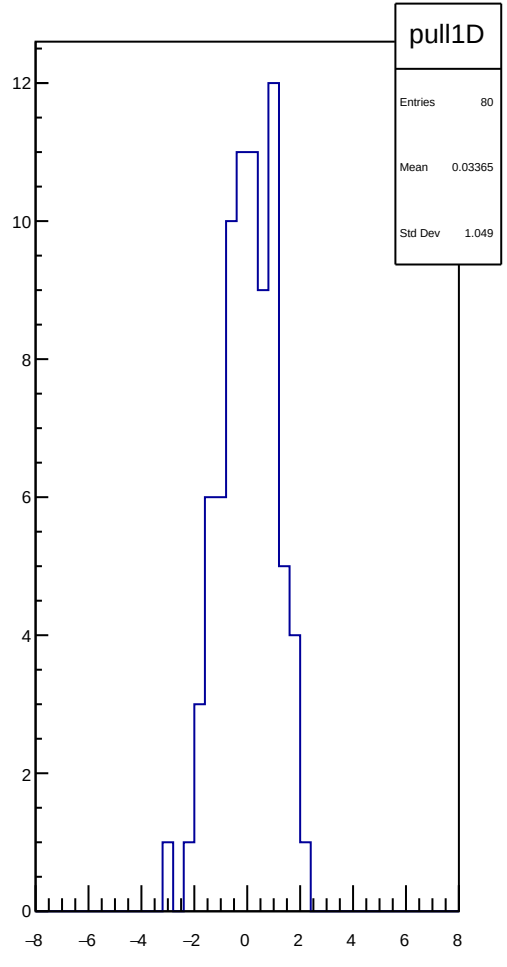

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4644 / 79
p0 472.6 ± 0.3905
560
540
520
500
480
460
440
420
400

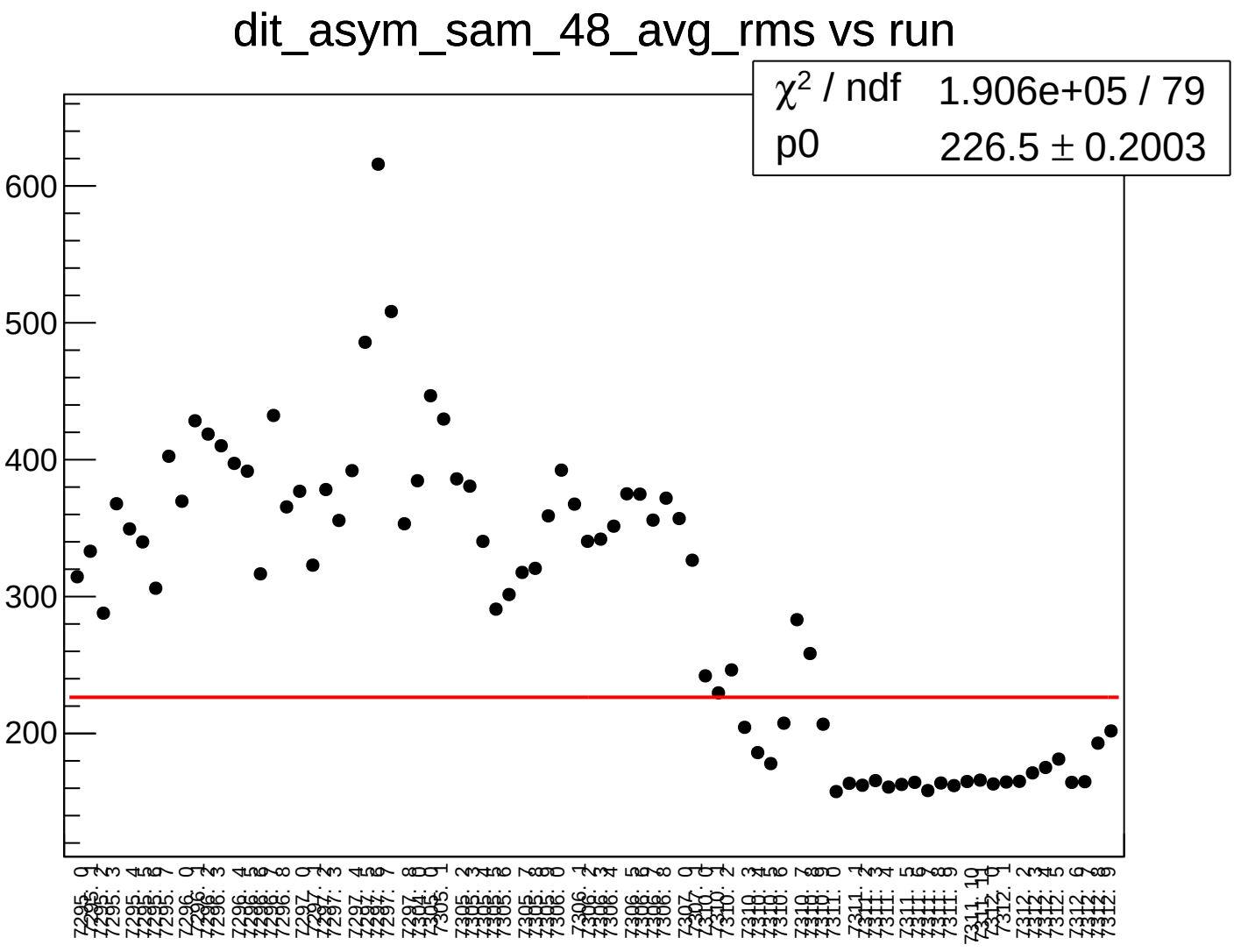

asym_sam_37_avg_mean vs run
χ² / ndf 97.28 / 79
p0 729.2 ± 552.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −101.8
Std Dev 146.2
4
3
2
1
0
−1
−2

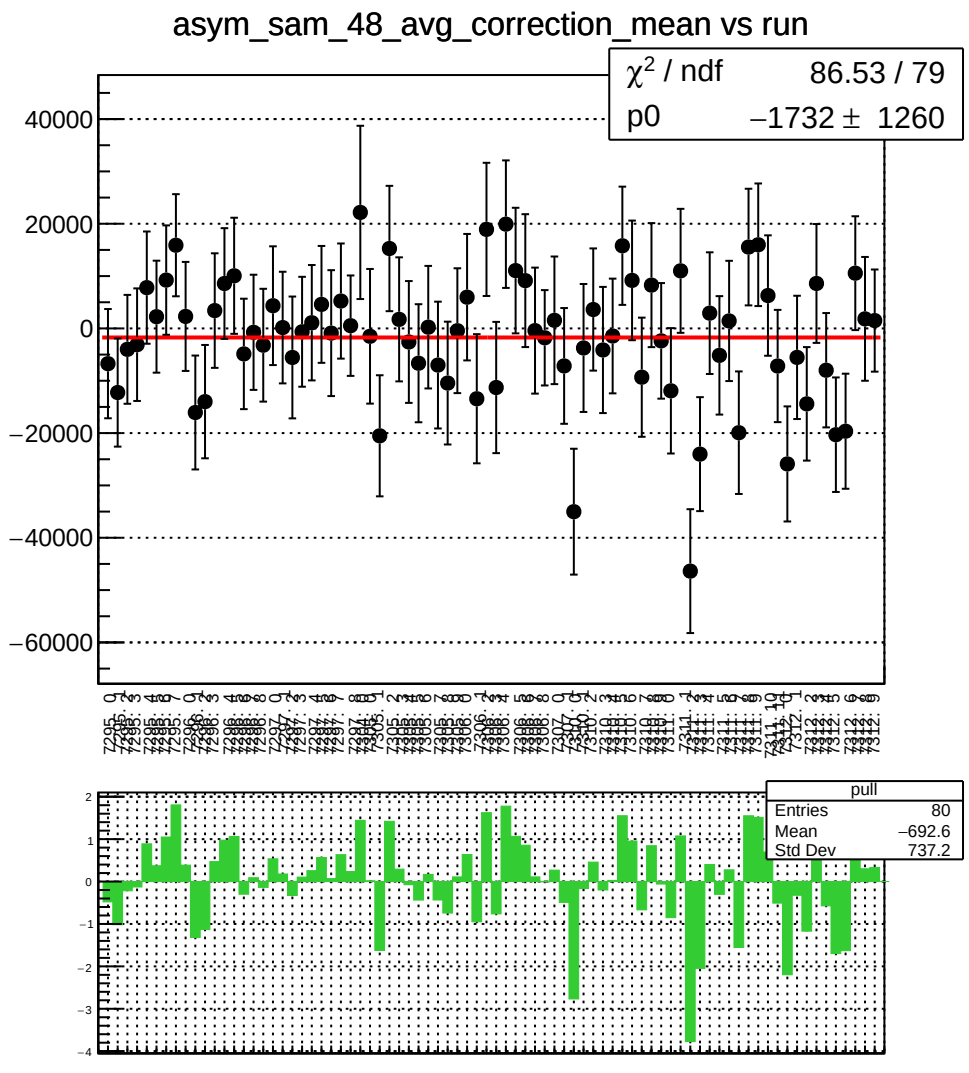

pull1D
Entries 80
Mean −0.02334
Std Dev 1.102
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

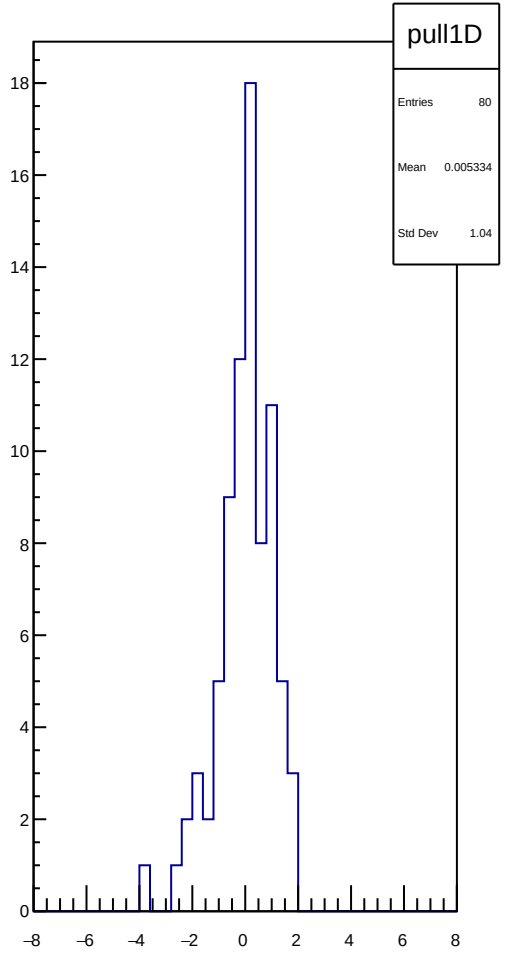

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.263e+04 / 79
p0 471.7 ± 0.3909
600
550
500
450
400

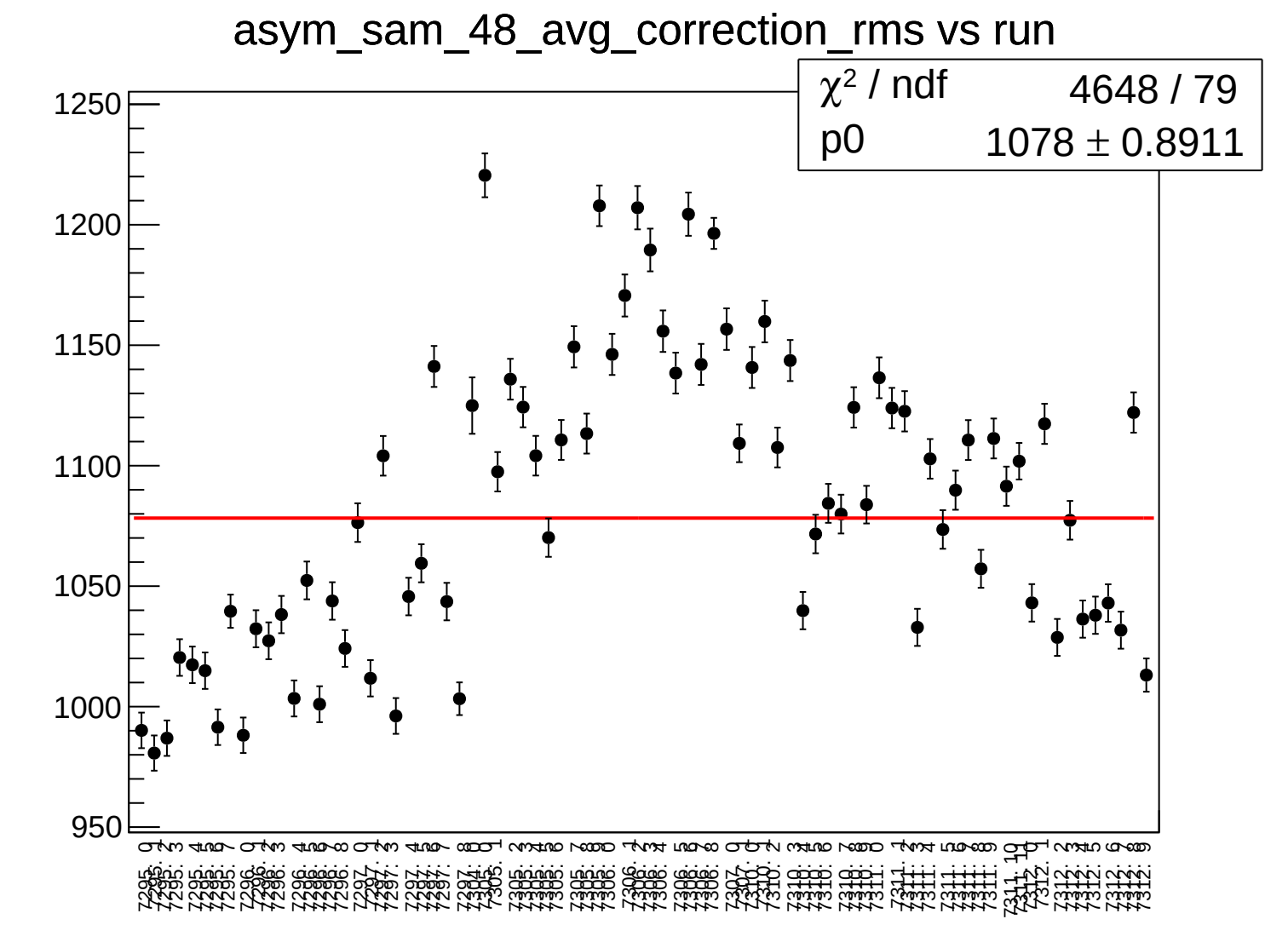

dit_asym_sam_48_avg_mean vs run
χ² / ndf 88.11 / 79
p0 −160.7 ± 283.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 15.18
Std Dev 34.31
2
1
0
−1
−2
−3

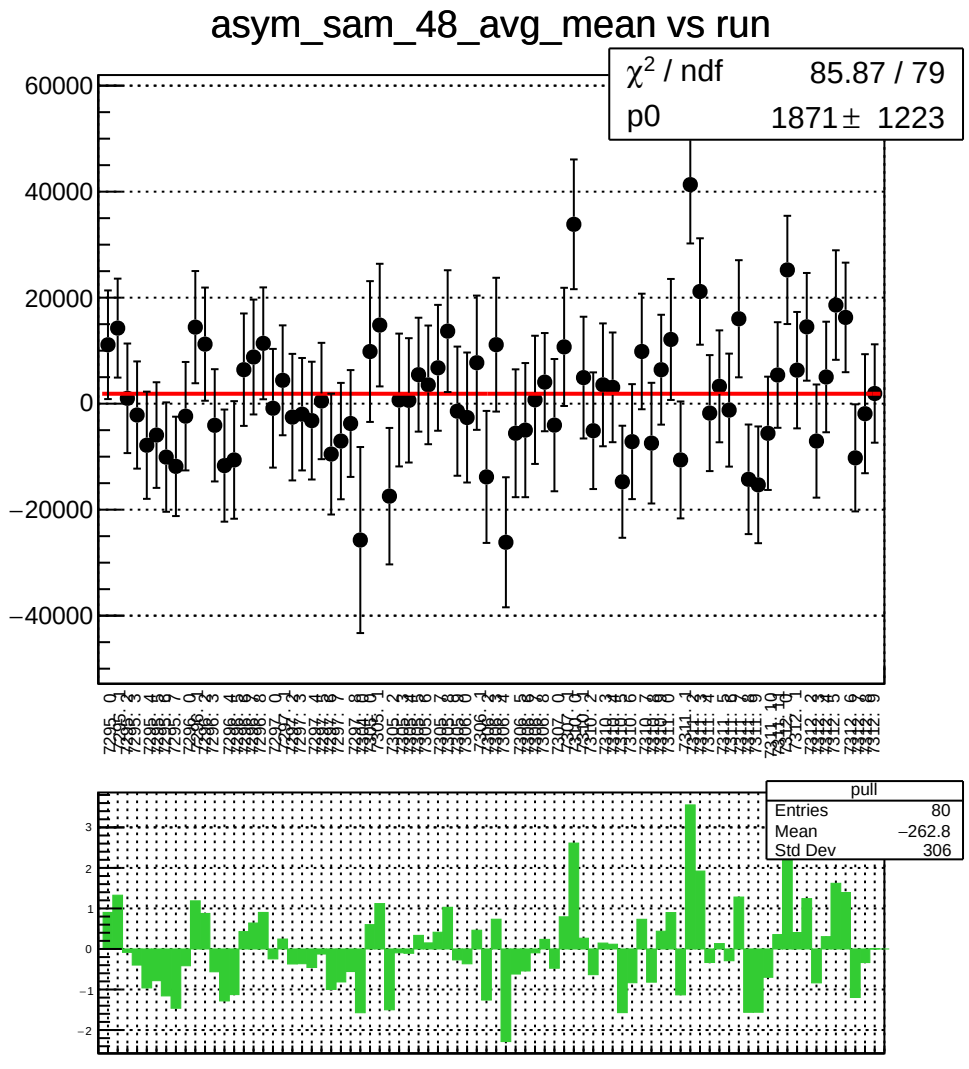

pull1D
Entries 80
Mean 0.03365
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

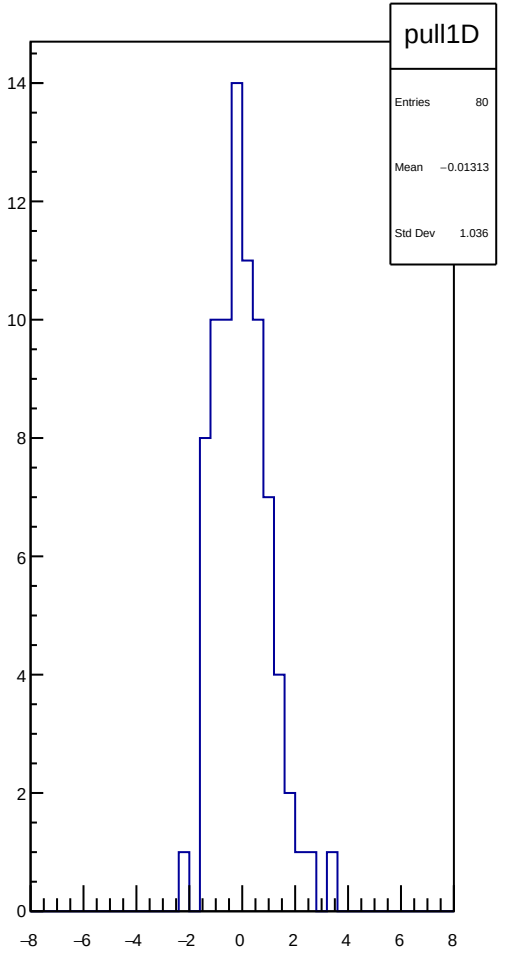

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.906e+05 / 79
p0 226.5 ± 0.2003
600
500
400
300
200

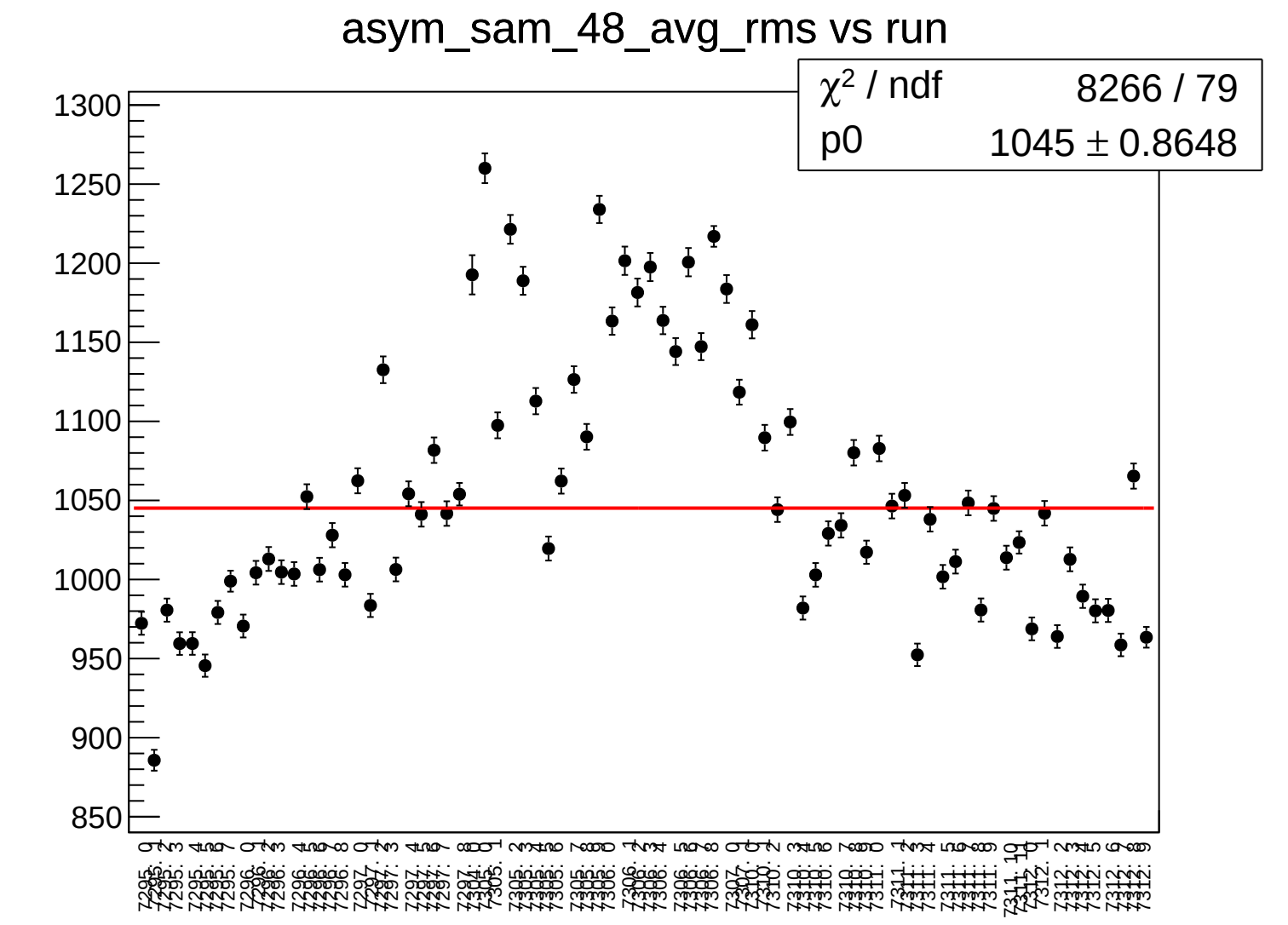

asym_sam_48_avg_correction_mean vs run
χ² / ndf 86.53 / 79
p0 −1732 ± 1260
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −692.6
Std Dev 737.2
2
1
0
−1
−2
−3
−4

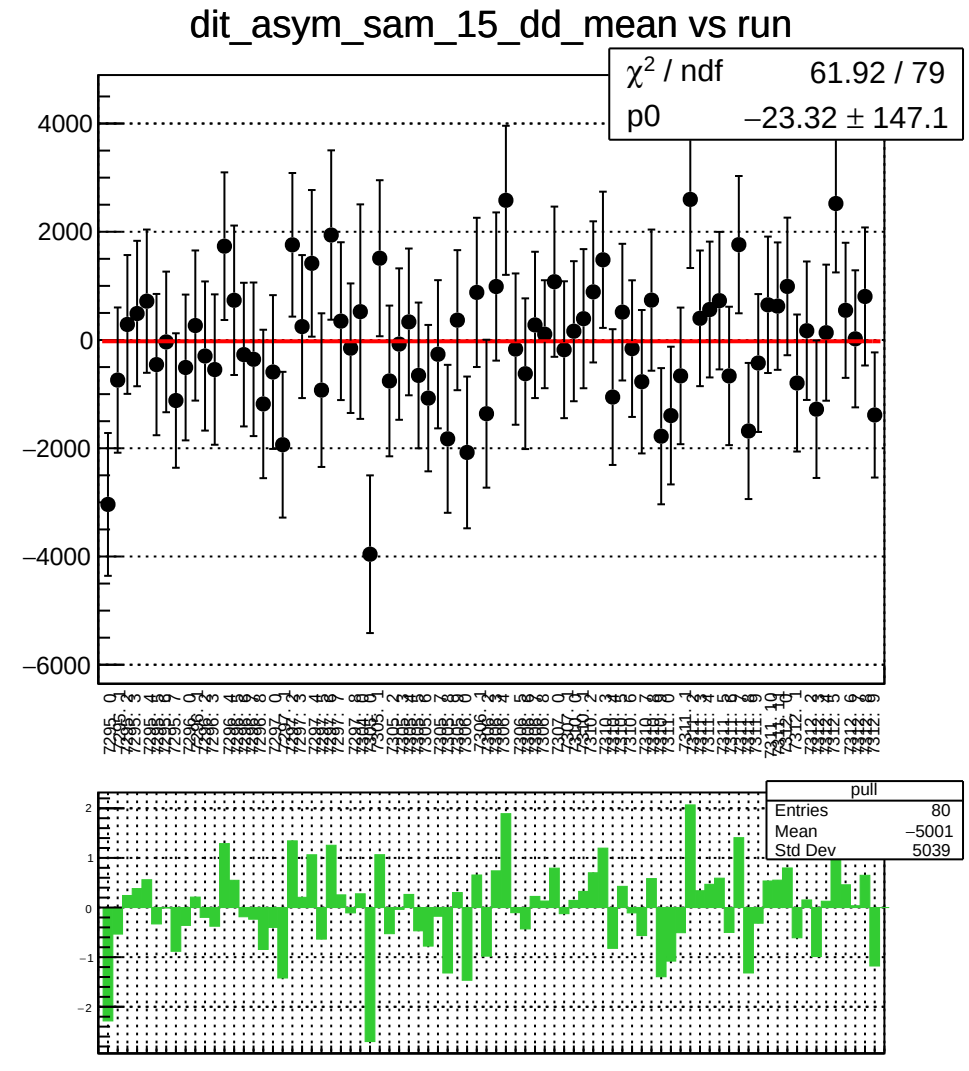

pull1D
Entries 80
Mean 0.005334
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

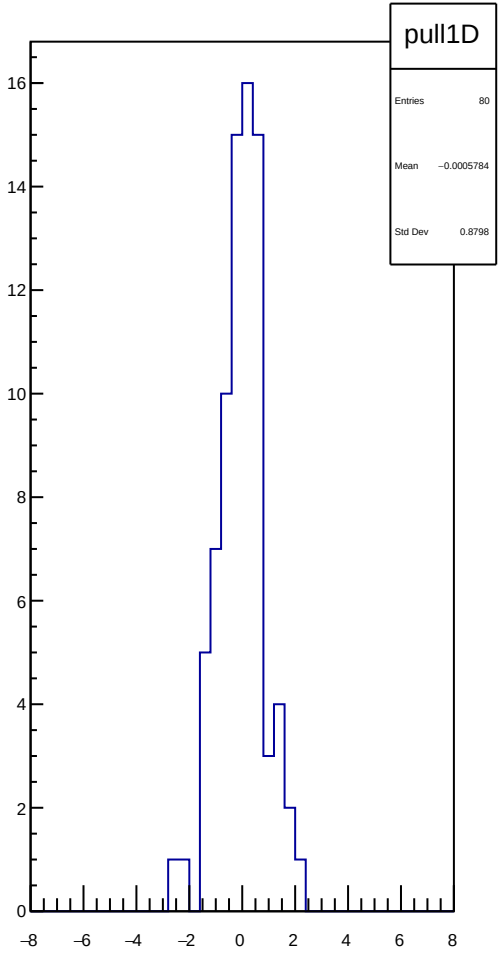

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4648 / 79
p0 1078 ± 0.8911
1250
1200
1150
1100
1050
1000
950

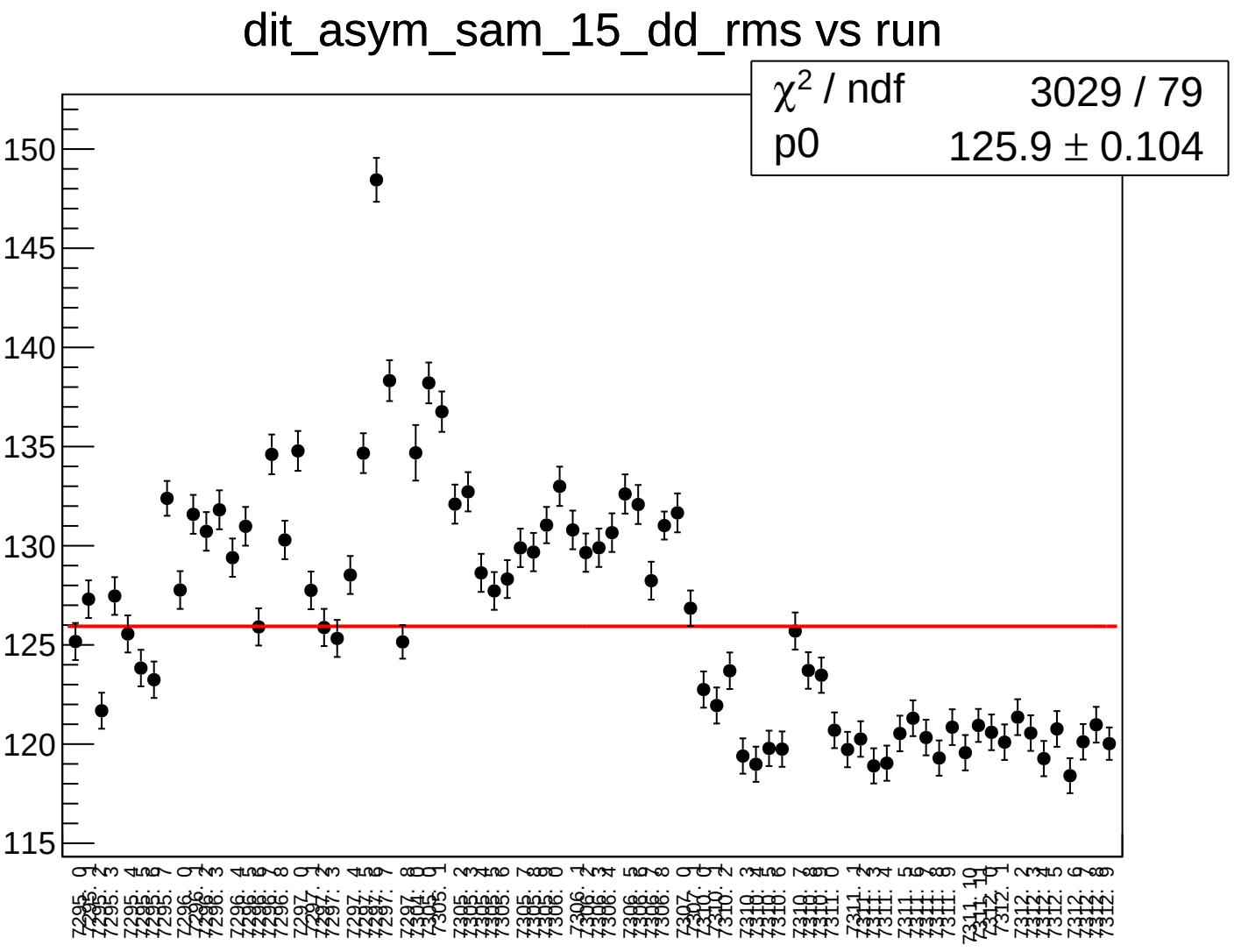

asym_sam_48_avg_mean vs run
χ² / ndf 85.87 / 79
p0 1871 ± 1223
pull
Entries 80
Mean −262.8
Std Dev 306

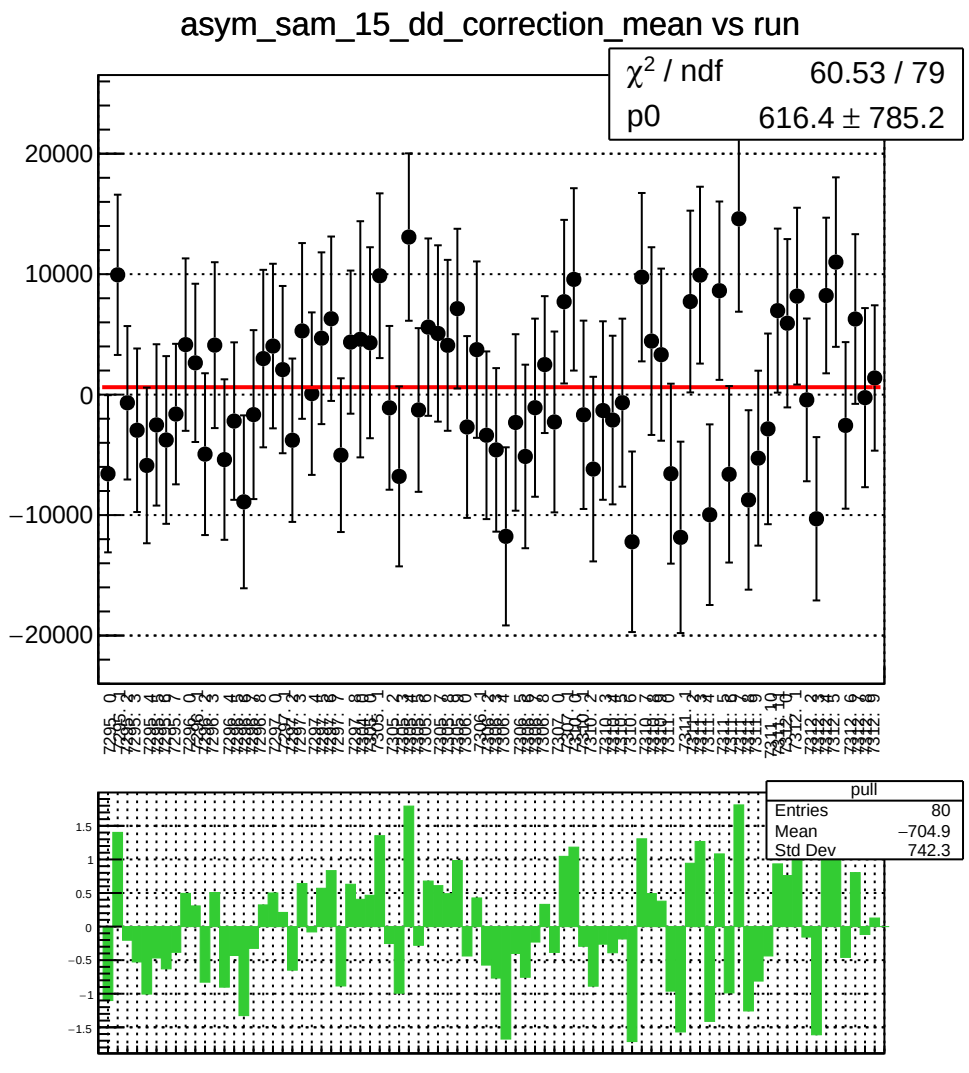

pull1D
Entries 80
Mean −0.01313
Std Dev 1.036

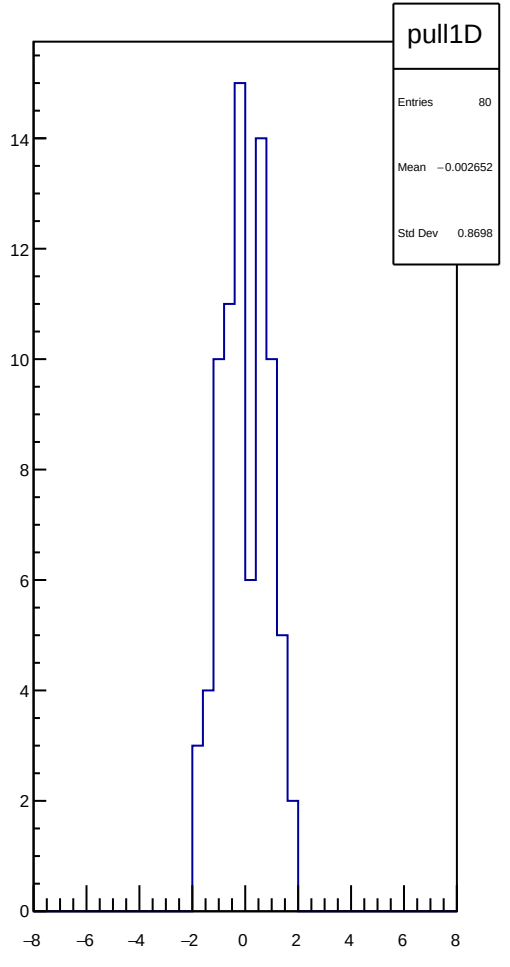

asym_sam_48_avg_rms vs run
χ² / ndf 8266 / 79
p0 1045 ± 0.8648
1300
1250
1200
1150
1100
1050
1000
950
900
850

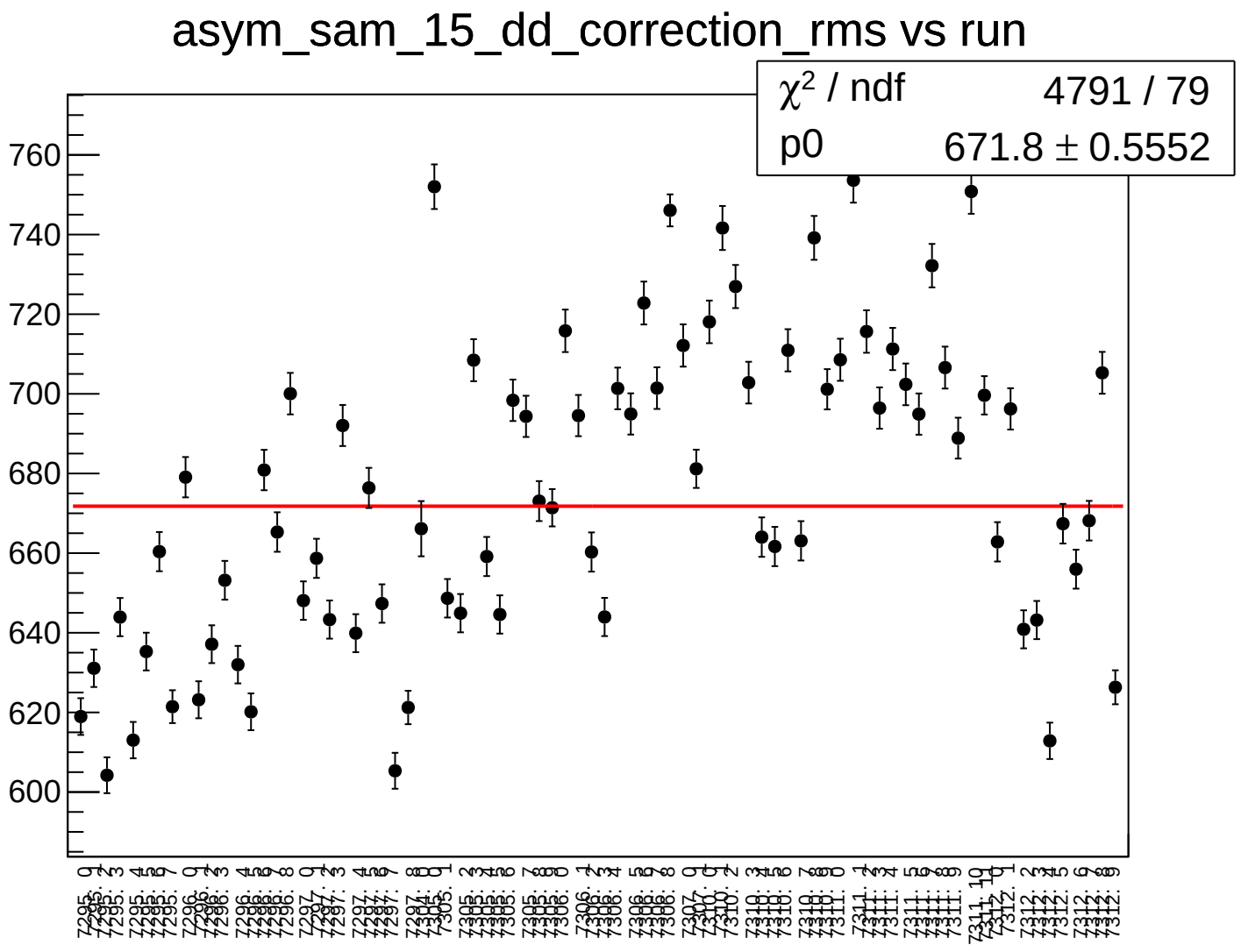

dit_asym_sam_15_dd_mean vs run
χ² / ndf 61.92 / 79
p0 −23.32 ± 147.1
pull
Entries 80
Mean −5001
Std Dev 5039

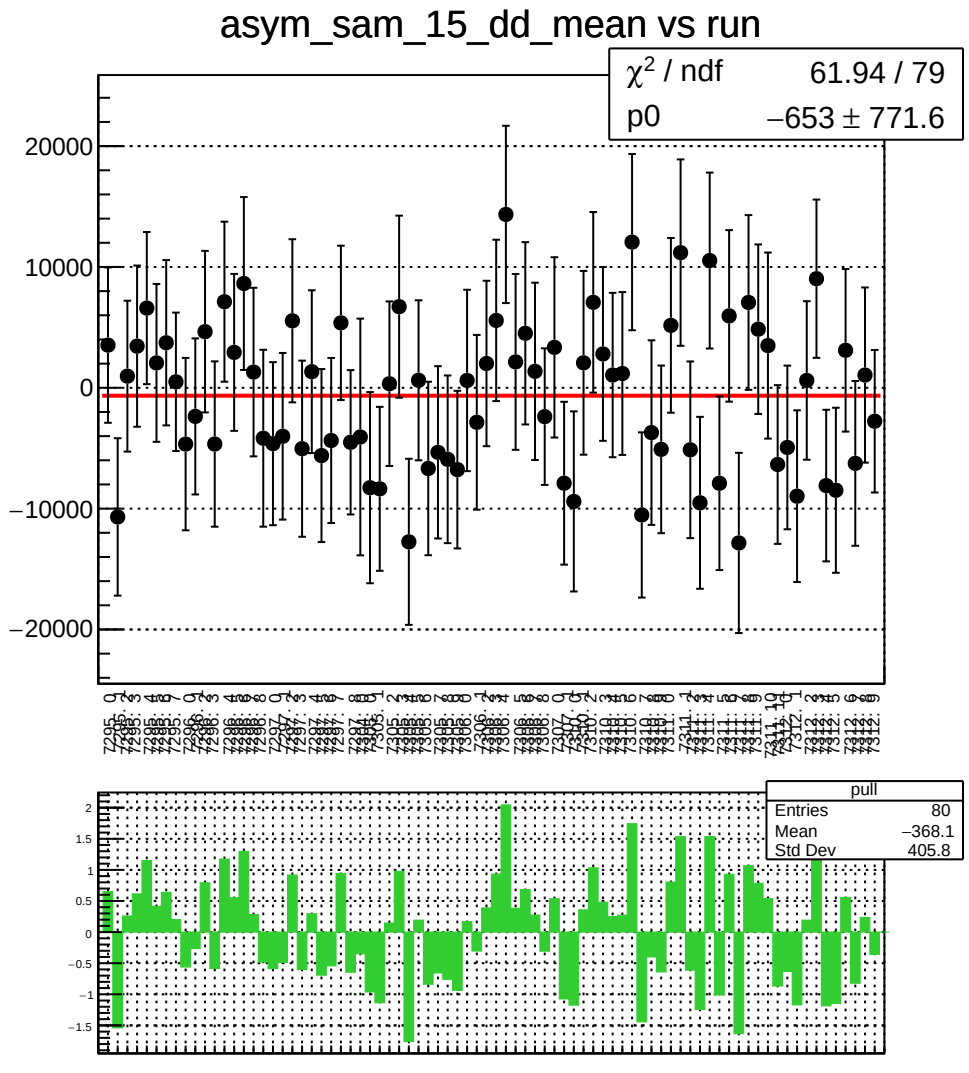

pull1D
Entries 80
Mean −0.0005784
Std Dev 0.8798

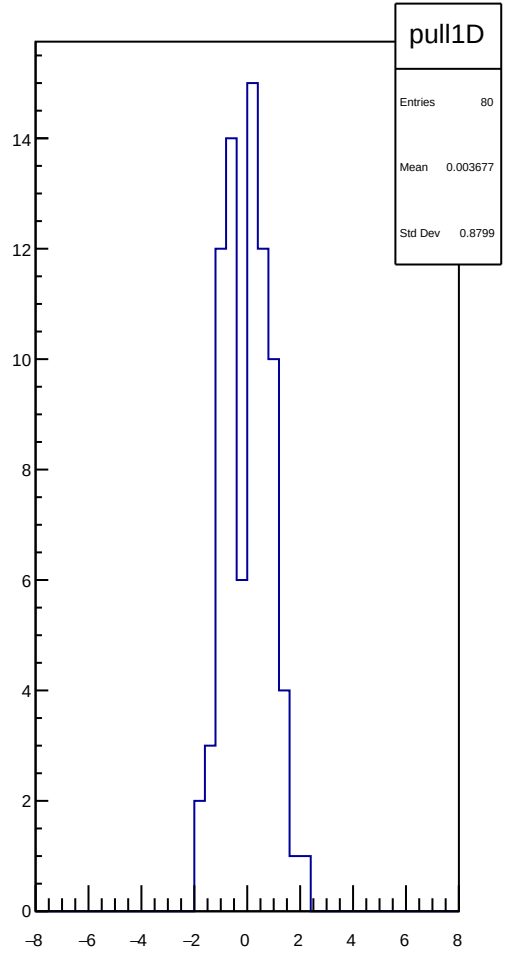

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3029 / 79
p0 125.9 ± 0.104
150
145
140
135
130
125
120
115

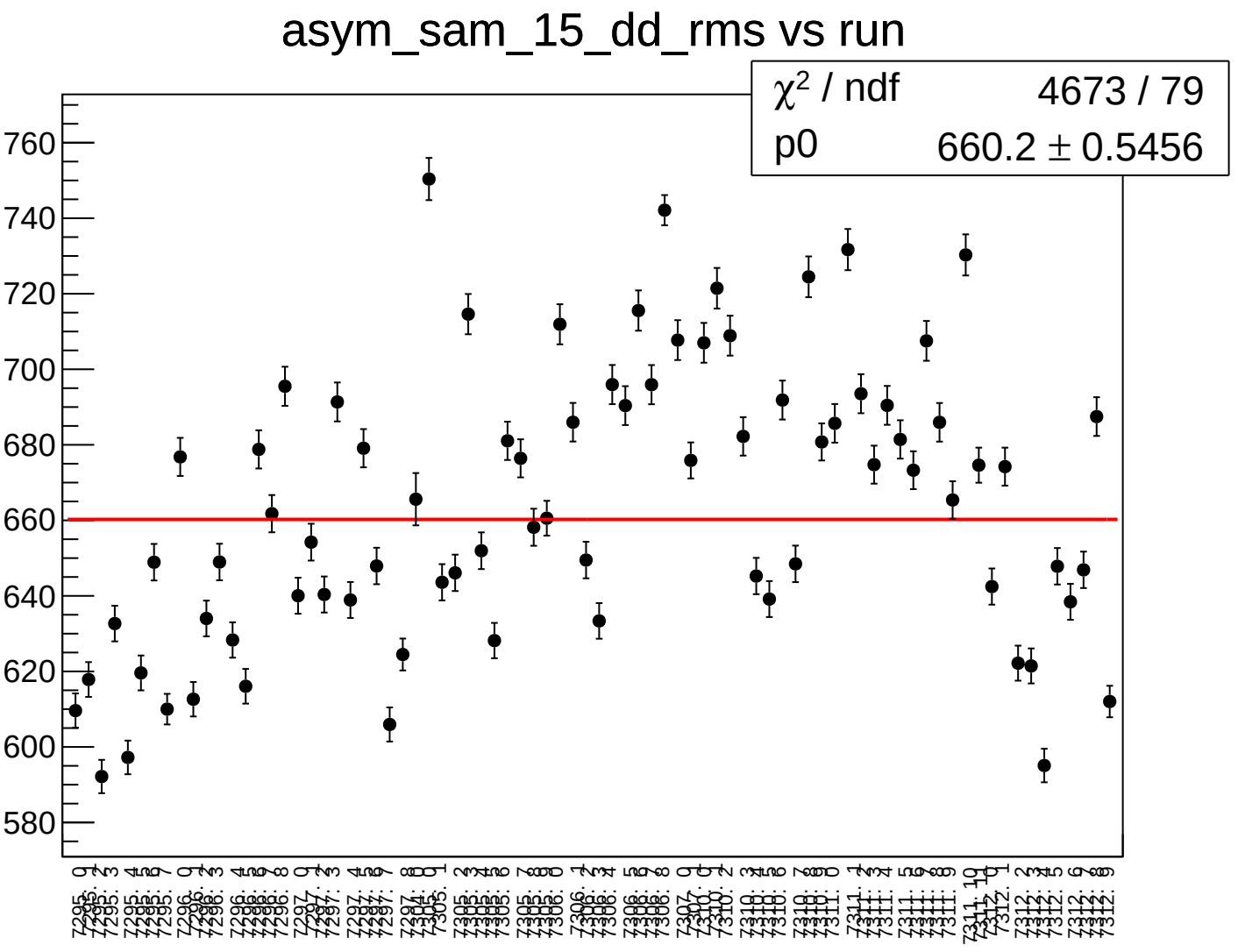

asym_sam_15_dd_correction_mean vs run
χ² / ndf 60.53 / 79
p0 616.4 ± 785.2
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −704.9
Std Dev 742.3
1.5
1
0.5
0
−0.5
−1
−1.5

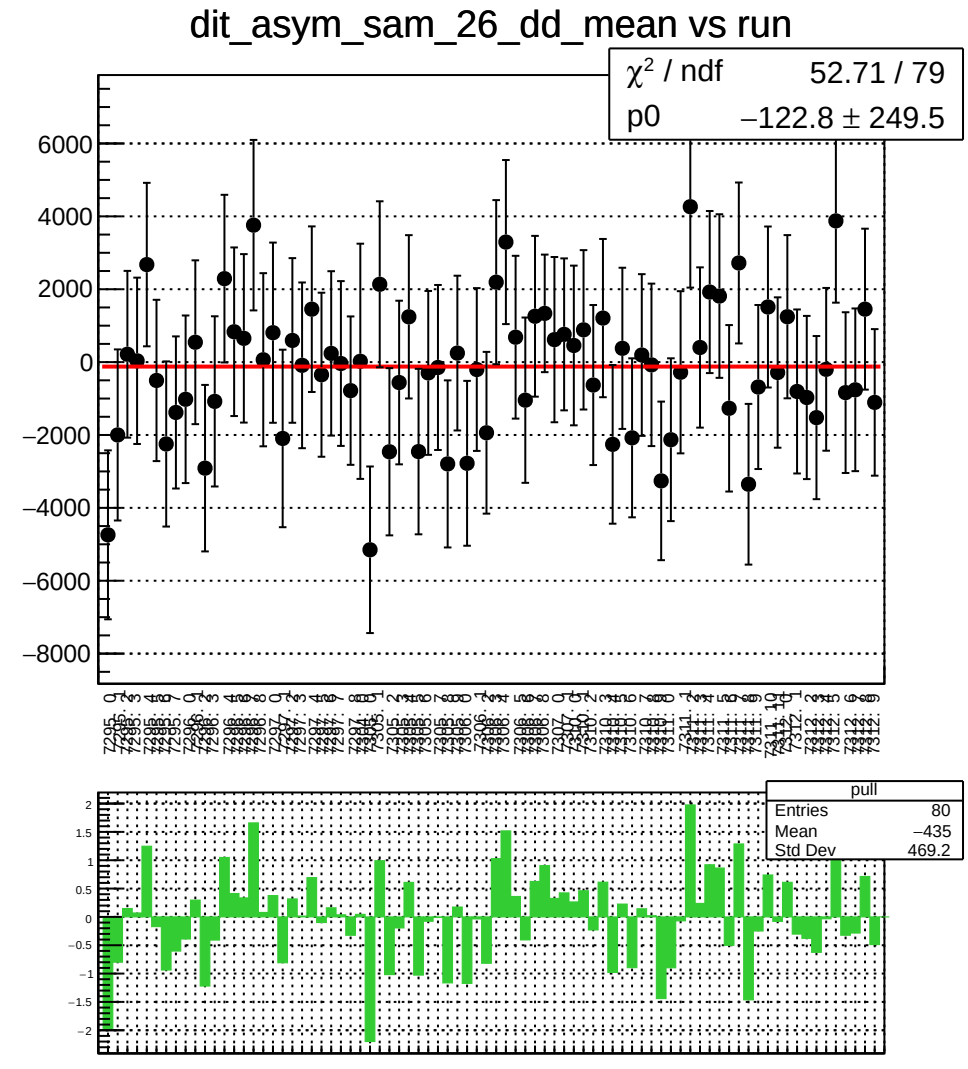

pull1D
Entries 80
Mean −0.002652
Std Dev 0.8698
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

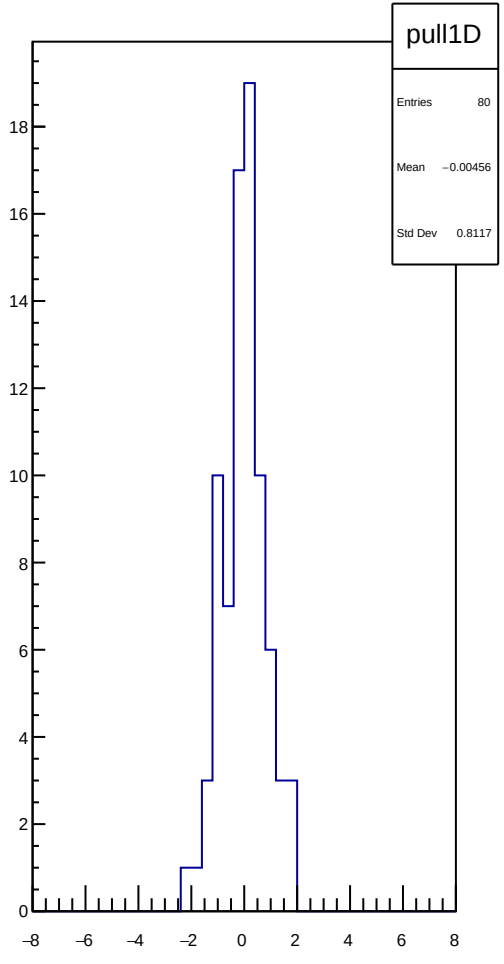

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4791 / 79
p0 671.8 ± 0.5552
760
740
720
700
680
660
640
620
600

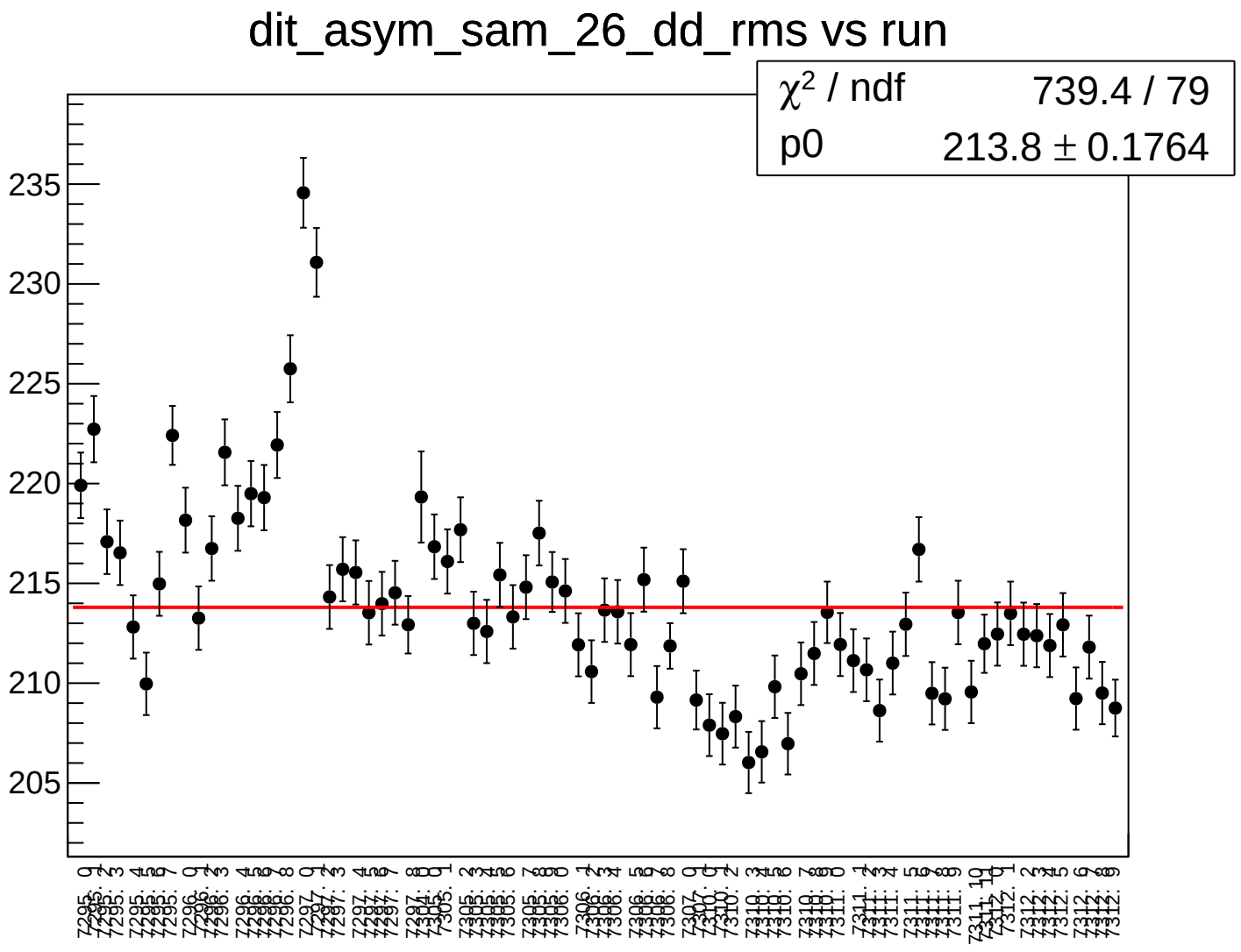

asym_sam_15_dd_mean vs run
χ² / ndf 61.94 / 79
p0 −653 ± 771.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −368.1
Std Dev 405.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

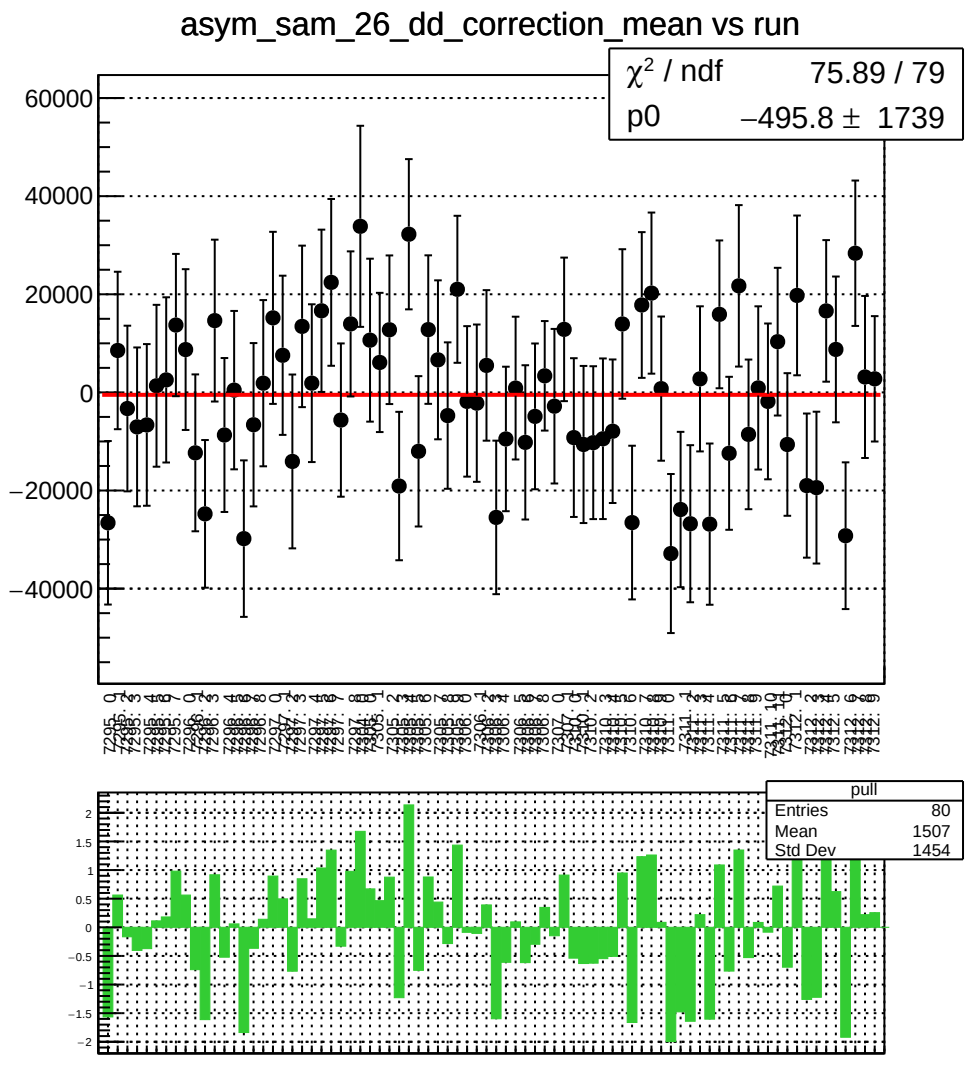

pull1D
Entries 80
Mean 0.003677
Std Dev 0.8799
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

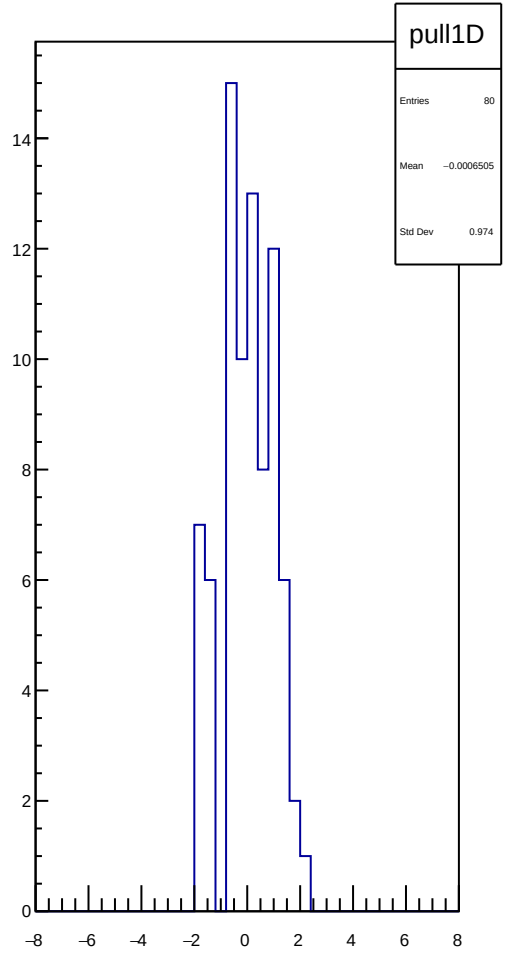

asym_sam_15_dd_rms vs run
χ² / ndf 4673 / 79
p0 660.2 ± 0.5456
760
740
720
700
680
660
640
620
600
580

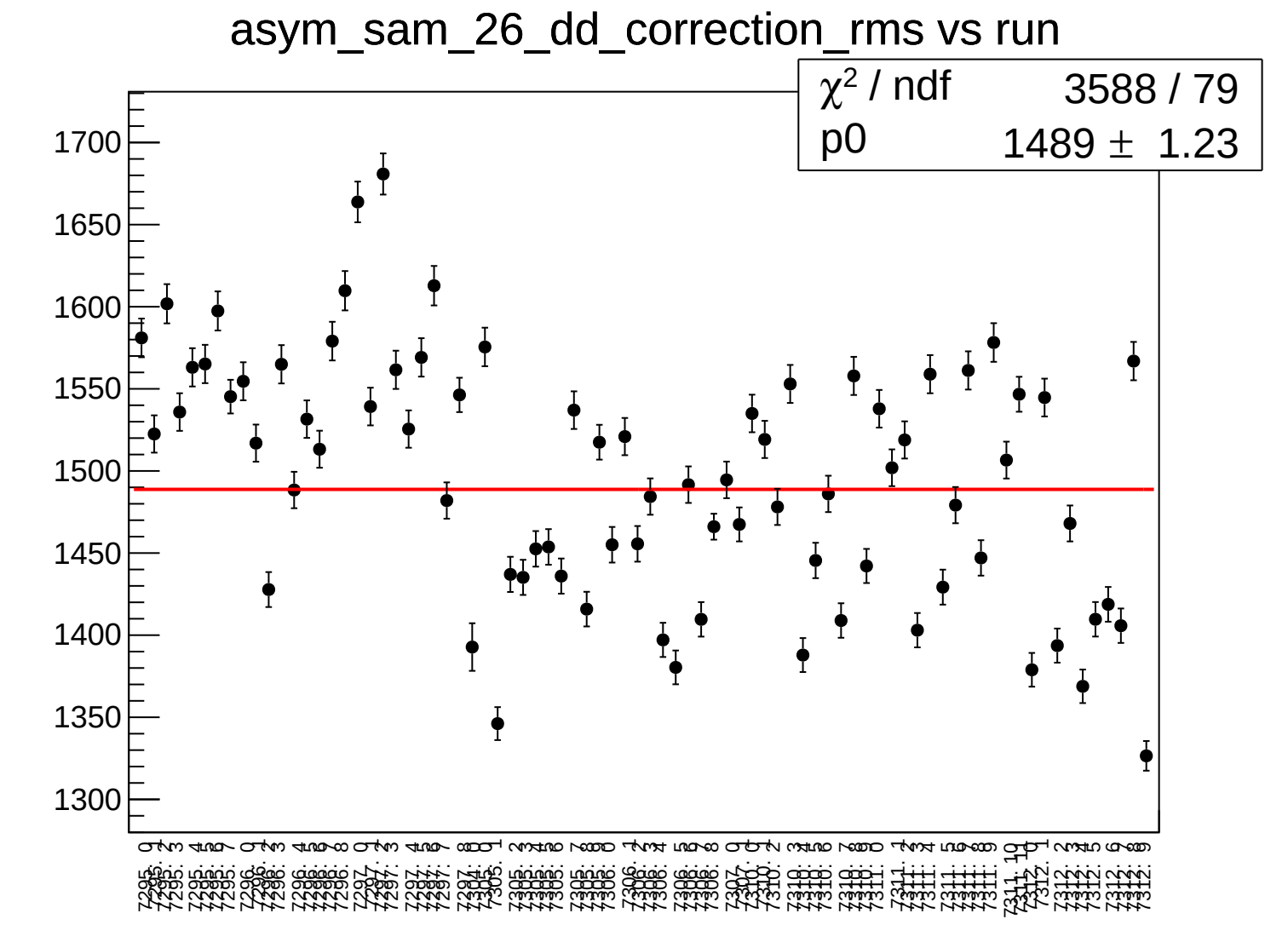

dit_asym_sam_26_dd_mean vs run
χ² / ndf 52.71 / 79
p0 −122.8 ± 249.5
pull
Entries 80
Mean −435
Std Dev 469.2

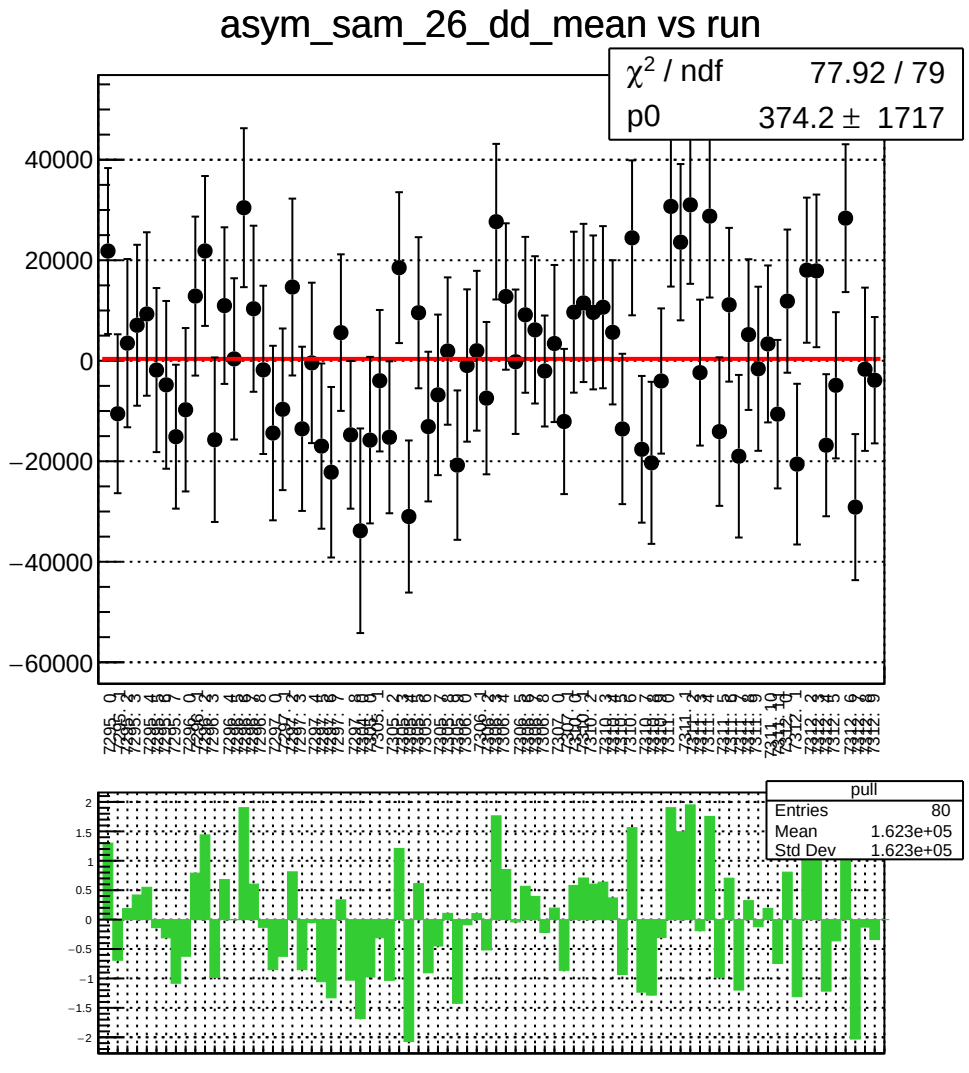

pull1D
Entries 80
Mean −0.00456
Std Dev 0.8117

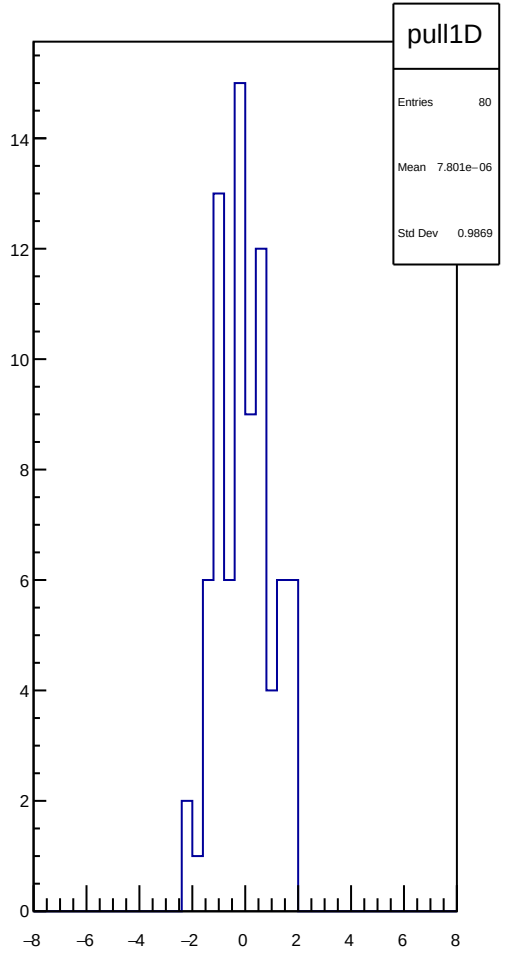

dit_asym_sam_26_dd_rms vs run
χ² / ndf 739.4 / 79
p0 213.8 ± 0.1764
235
230
225
220
215
210
205

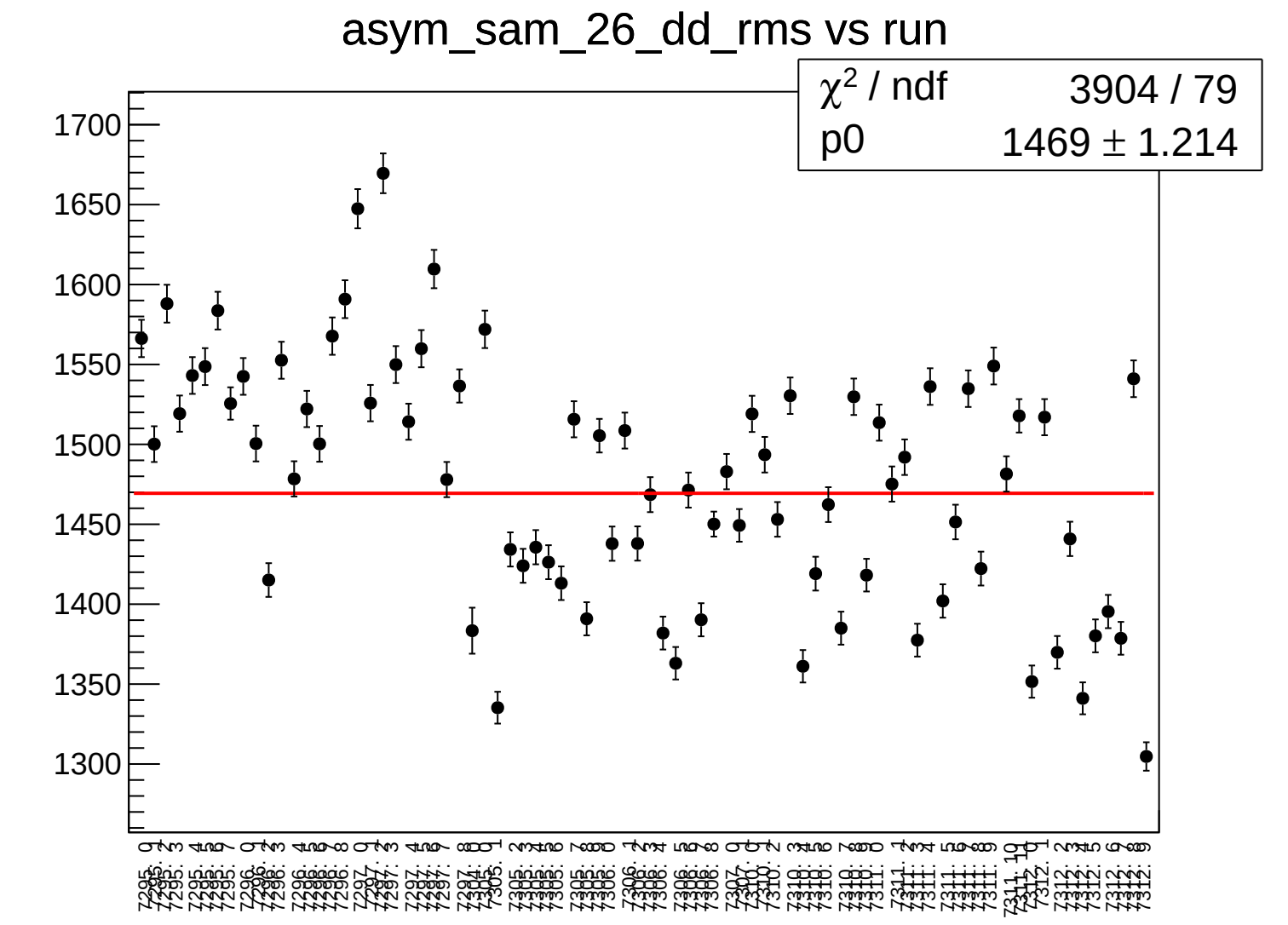

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.89 / 79
p0 −495.8 ± 1739
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1507
Std Dev 1454
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

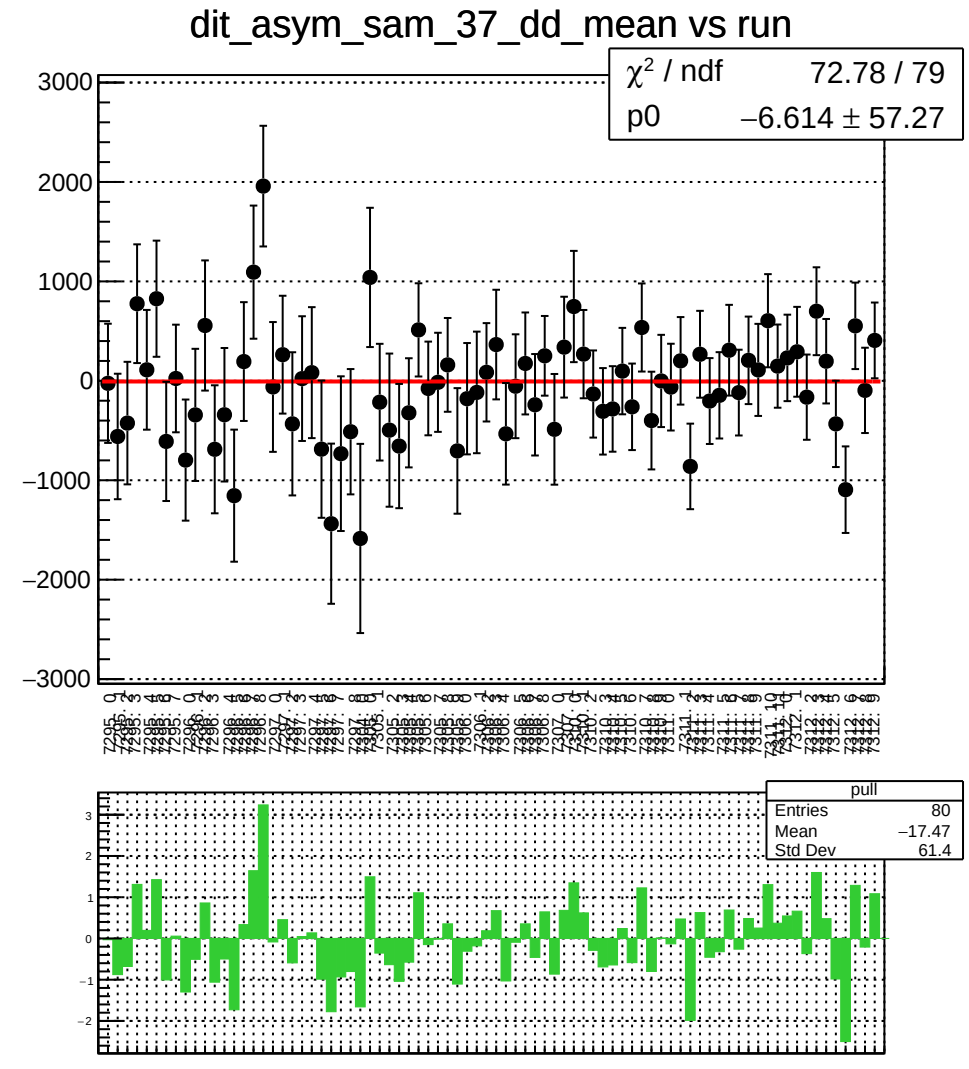

pull1D
Entries 80
Mean −0.0006505
Std Dev 0.974
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

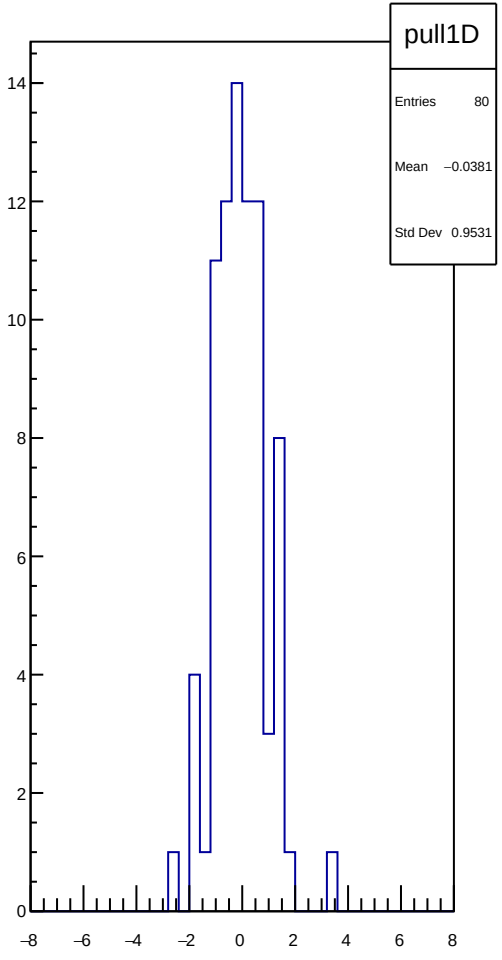

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3588 / 79
p0 1489 ± 1.23
1700
1650
1600
1550
1500
1450
1400
1350
1300

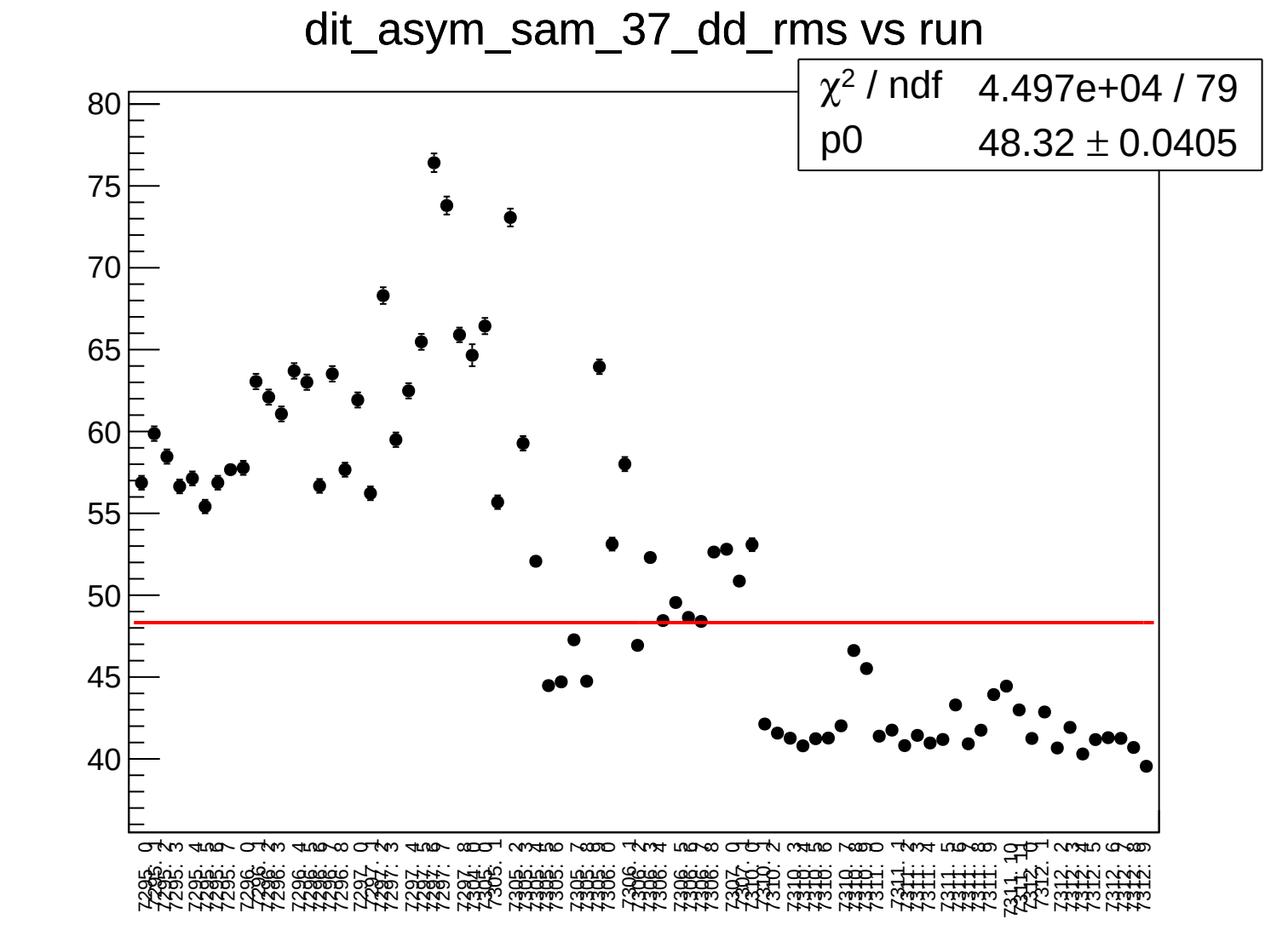

asym_sam_26_dd_mean vs run
χ² / ndf 77.92 / 79
p0 374.2 ± 1717
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1.623e+05
Std Dev 1.623e+05
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

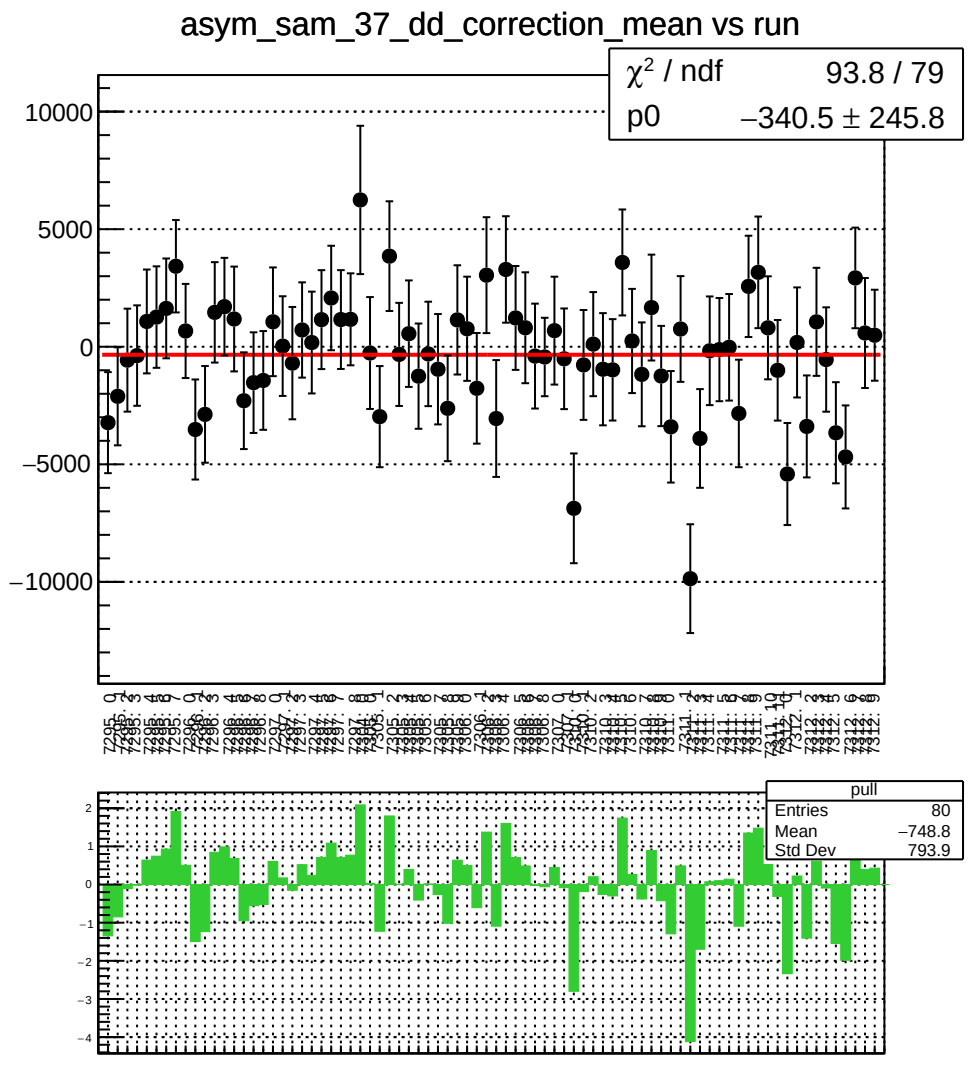

pull1D
Entries 80
Mean 7.801e−06
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

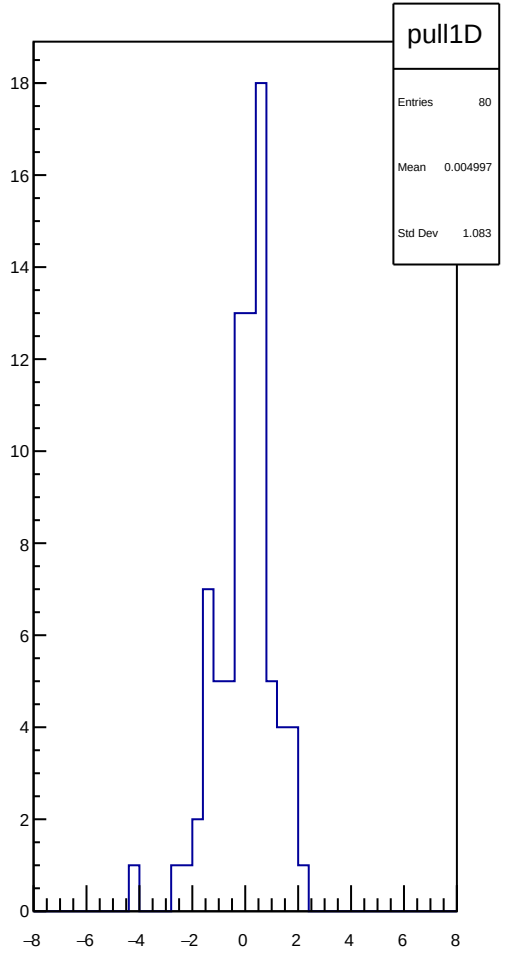

asym_sam_26_dd_rms vs run
χ² / ndf 3904 / 79
p0 1469 ± 1.214
1700
1650
1600
1550
1500
1450
1400
1350
1300

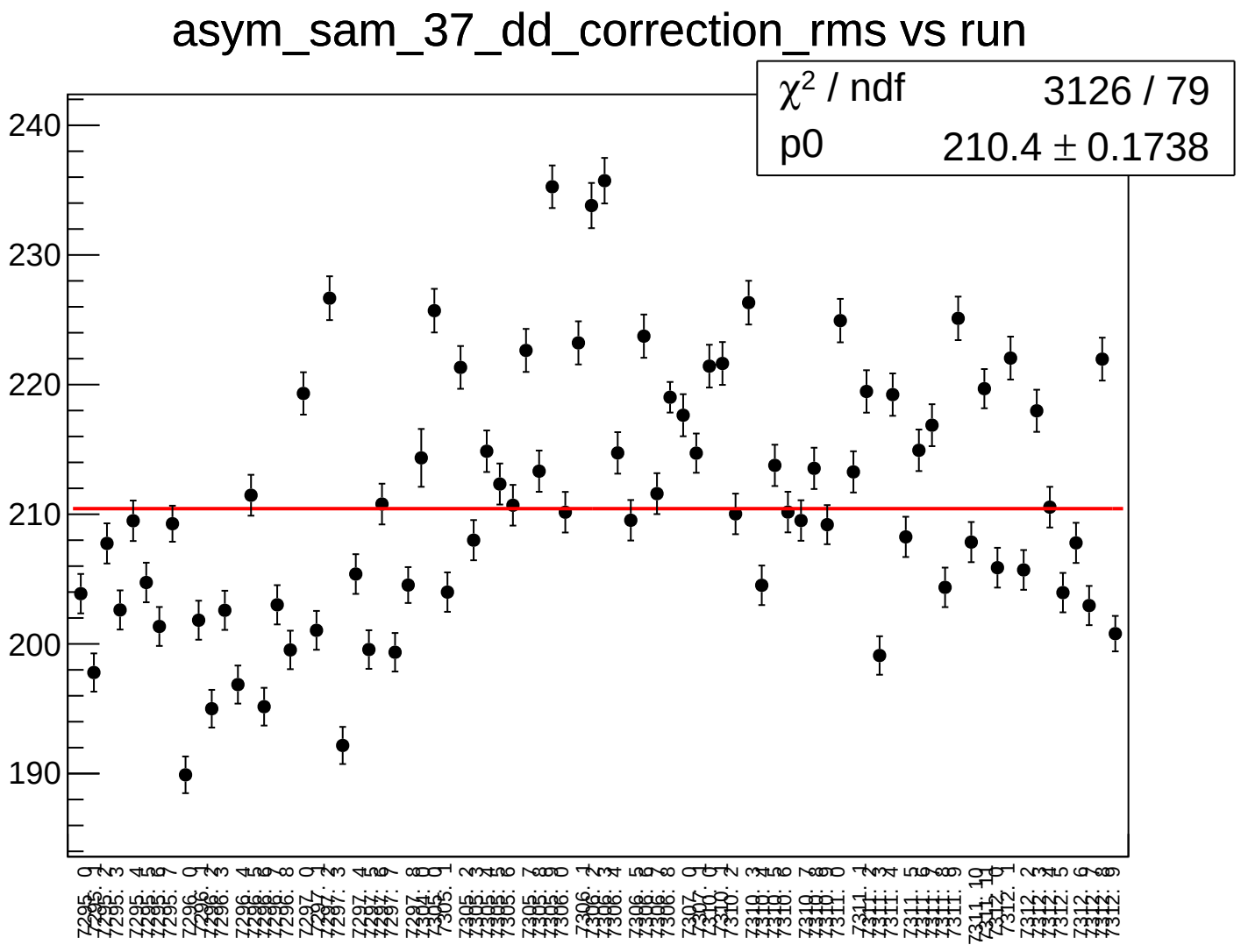

dit_asym_sam_37_dd_mean vs run
χ² / ndf 72.78 / 79
p0 −6.614 ± 57.27
pull
Entries 80
Mean −17.47
Std Dev 61.4

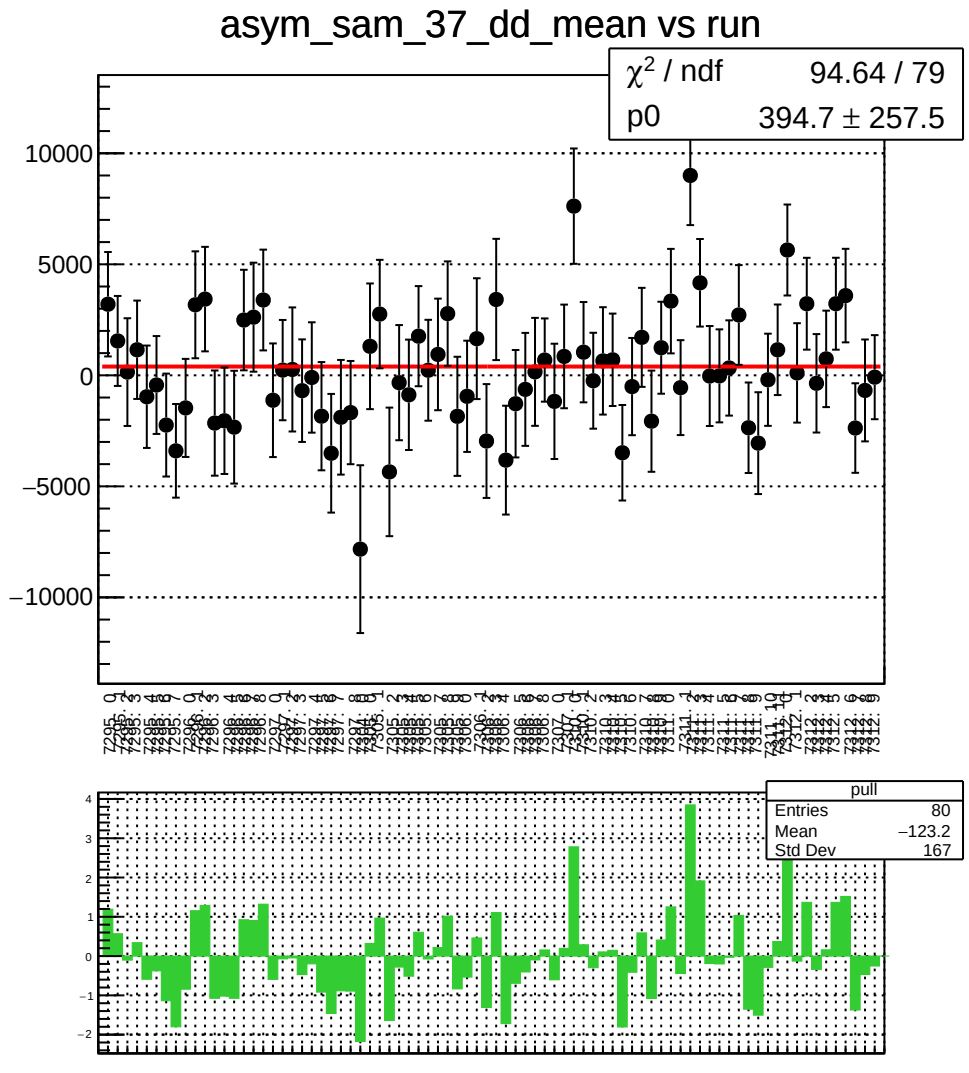

pull1D
Entries 80
Mean −0.0381
Std Dev 0.9531

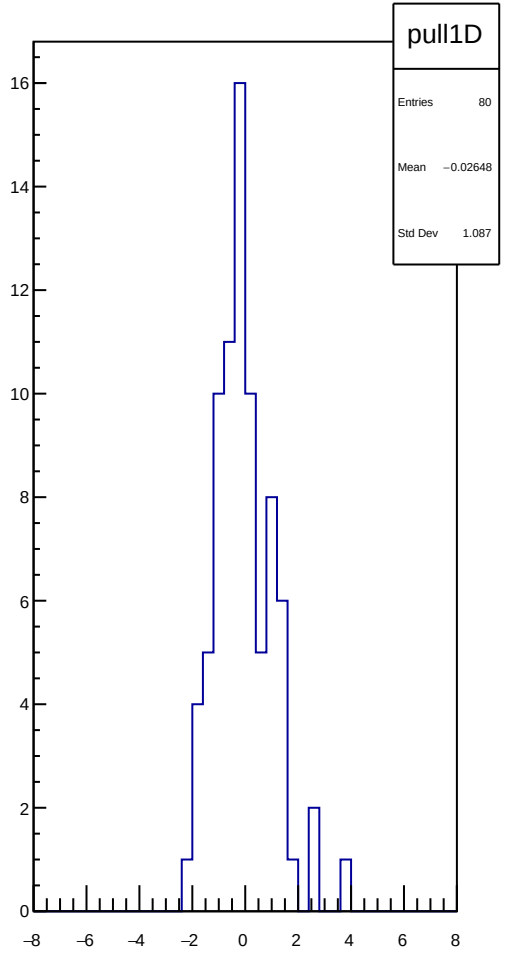

dit_asym_sam_37_dd_rms vs run
χ² / ndf 4.497e+04 / 79
p0 48.32 ± 0.0405
80
75
70
65
60
55
50
45
40

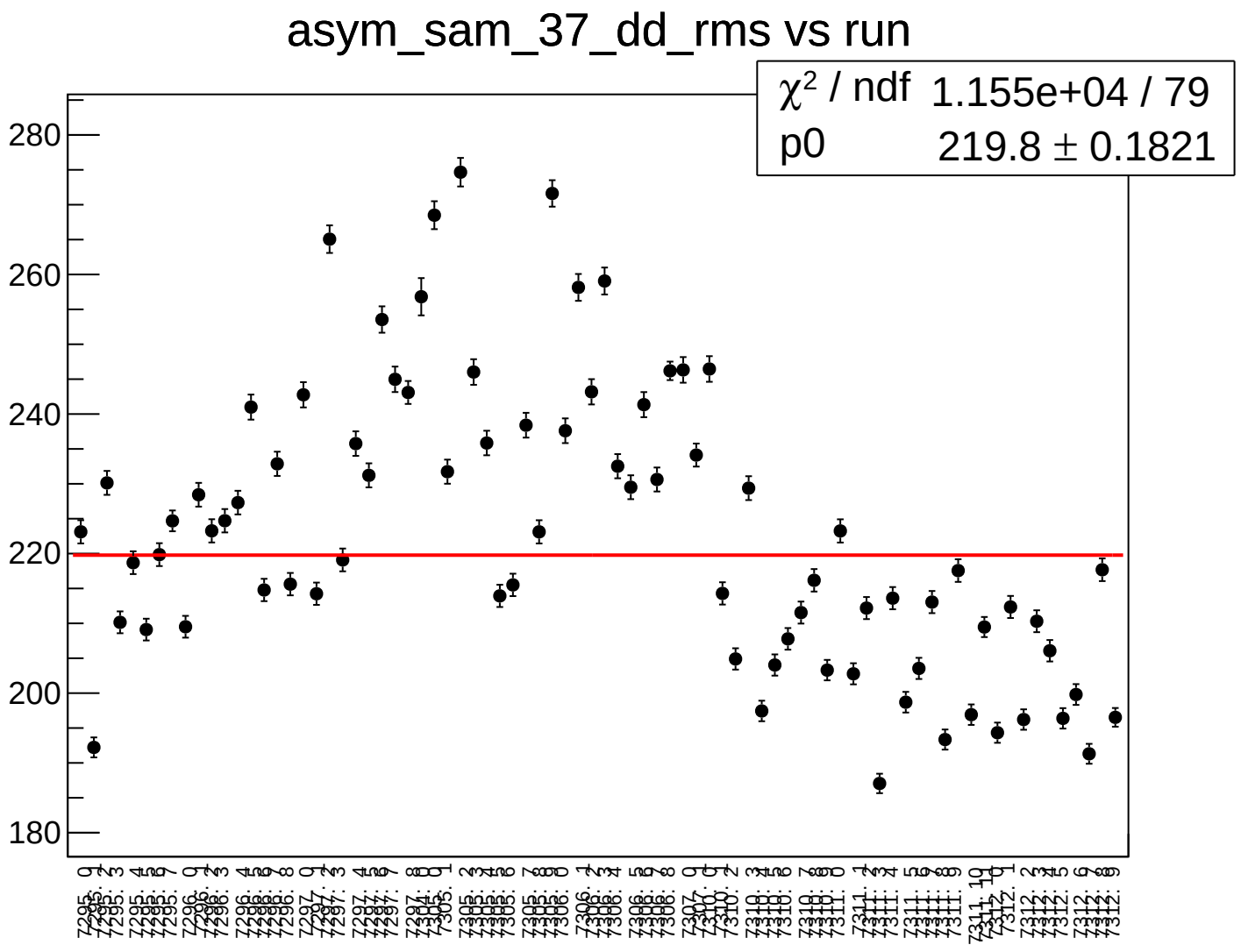

asym_sam_37_dd_correction_mean vs run
χ² / ndf 93.8 / 79
p0 −340.5 ± 245.8
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −748.8
Std Dev 793.9
2
1
0
−1
−2
−3
−4

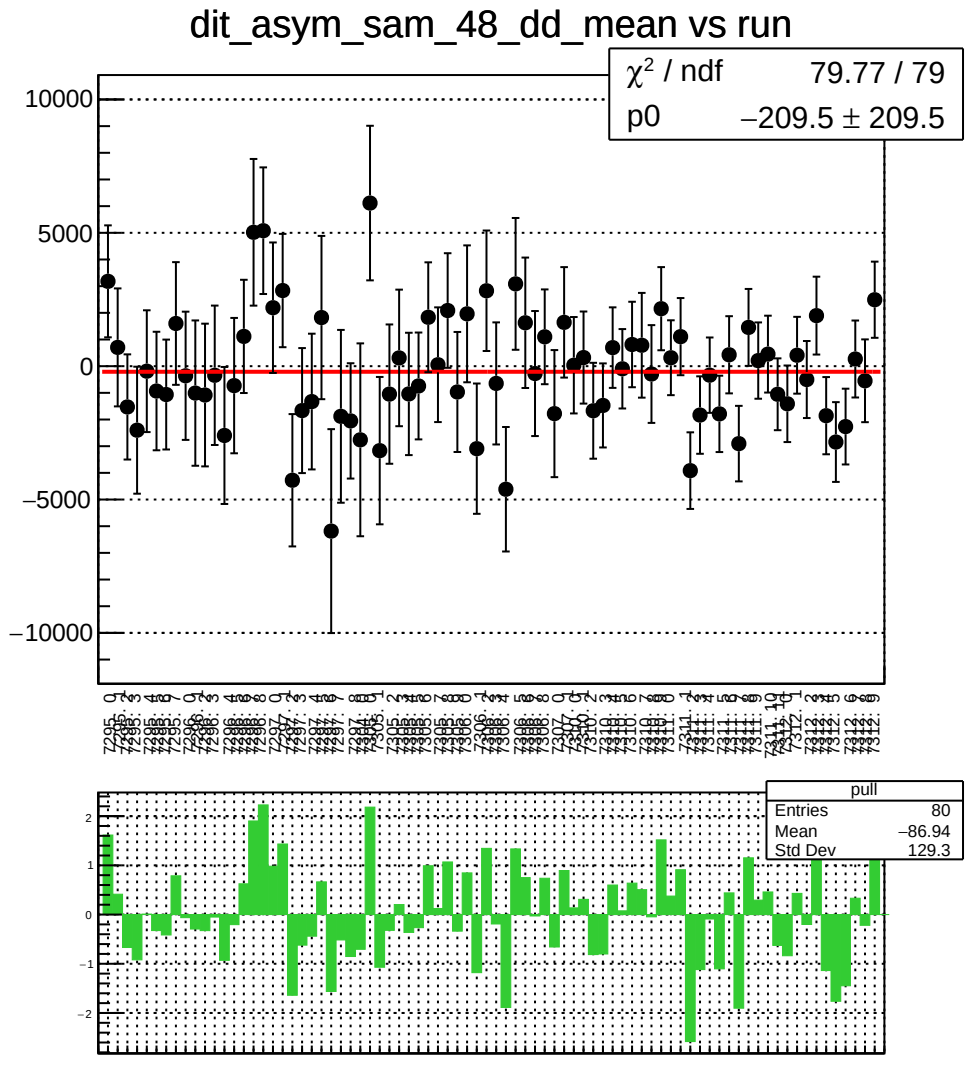

pull1D
Entries 80
Mean 0.004997
Std Dev 1.083
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

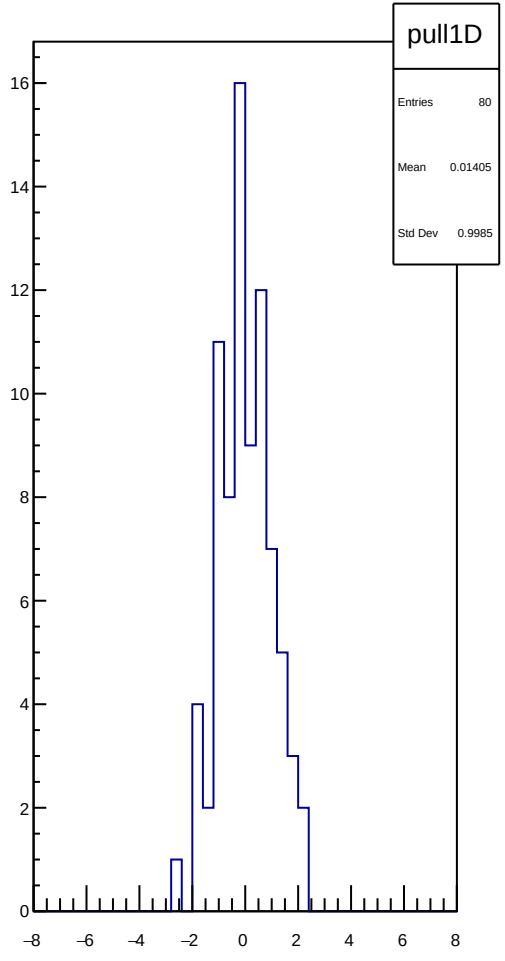

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3126 / 79
p0 210.4 ± 0.1738
240
230
220
210
200
190

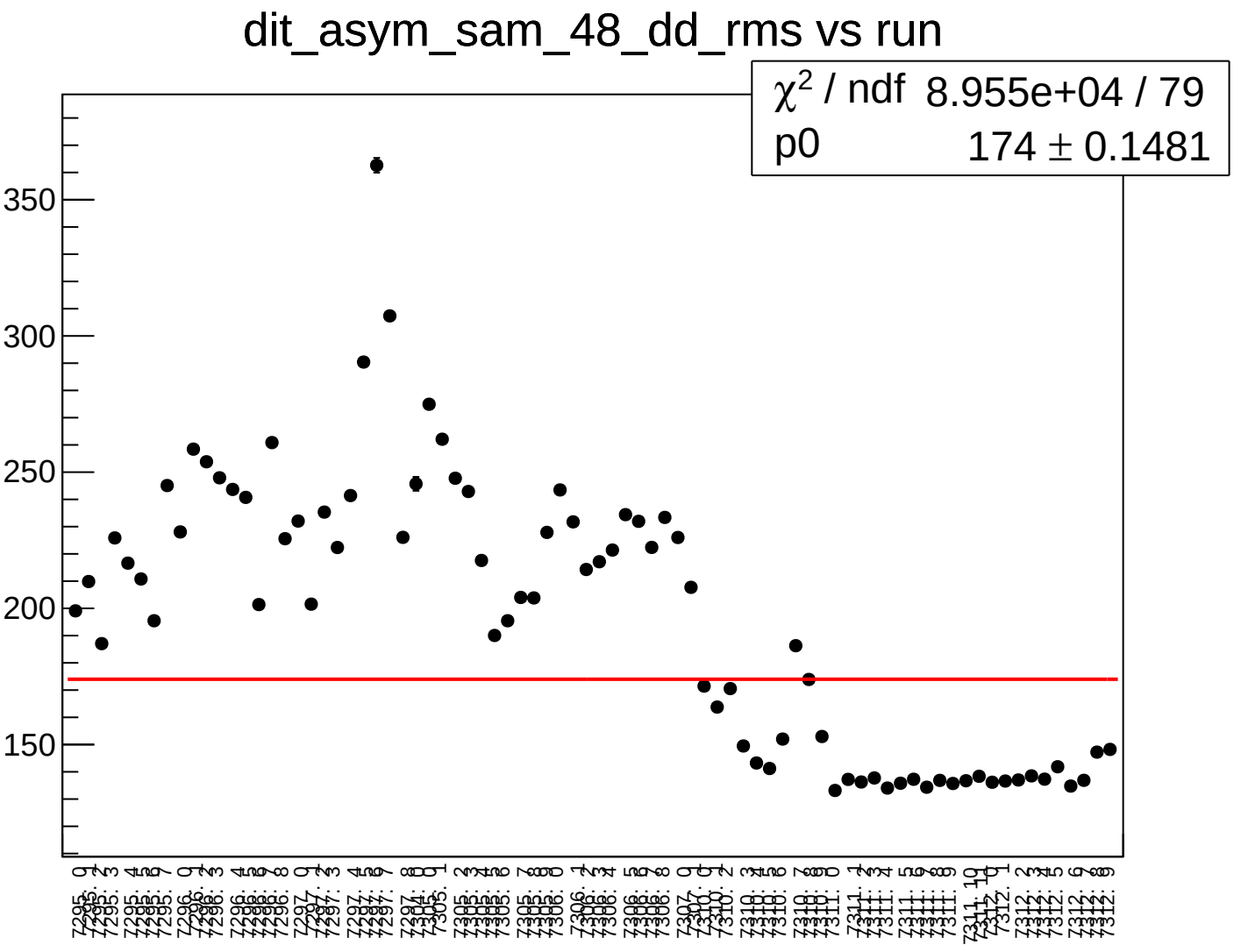

asym_sam_37_dd_mean vs run
χ² / ndf 94.64 / 79
p0 394.7 ± 257.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −123.2
Std Dev 167
4
3
2
1
0
−1
−2

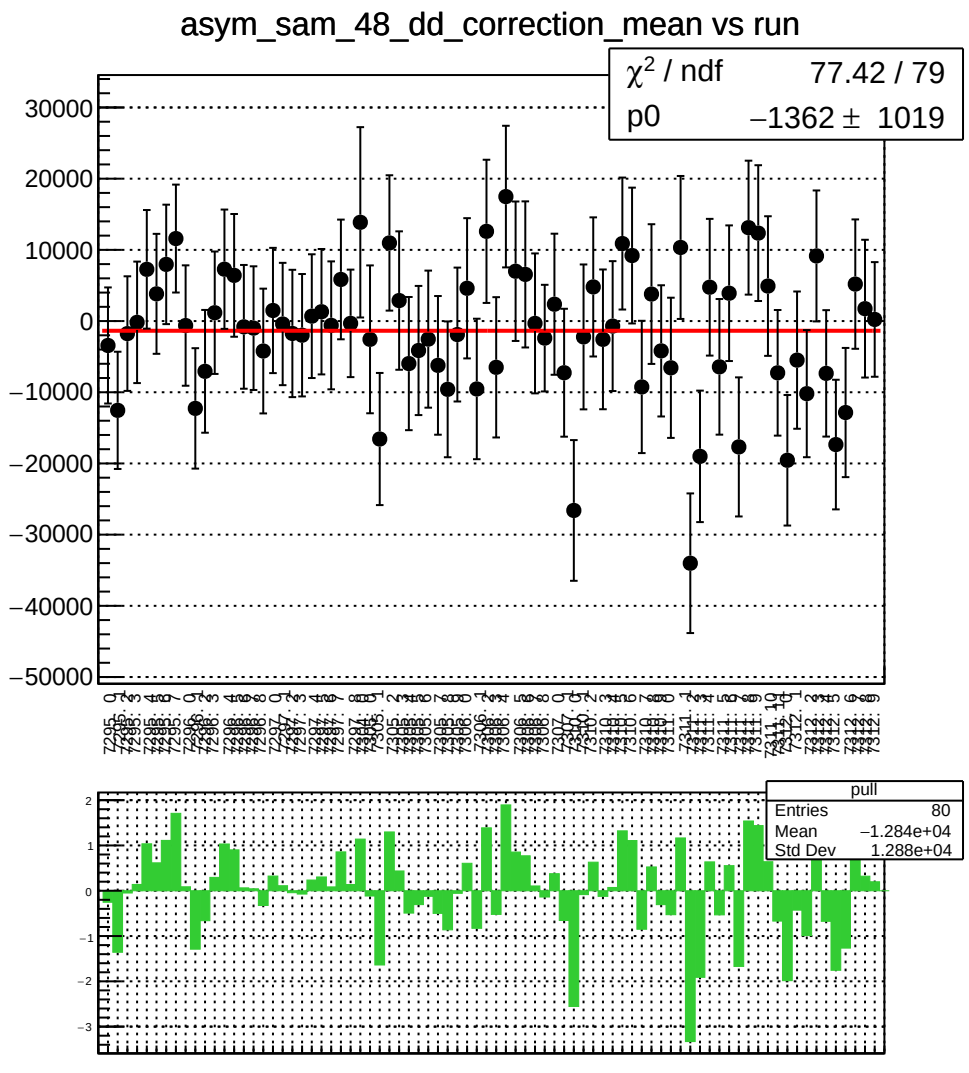

pull1D
Entries 80
Mean −0.02648
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

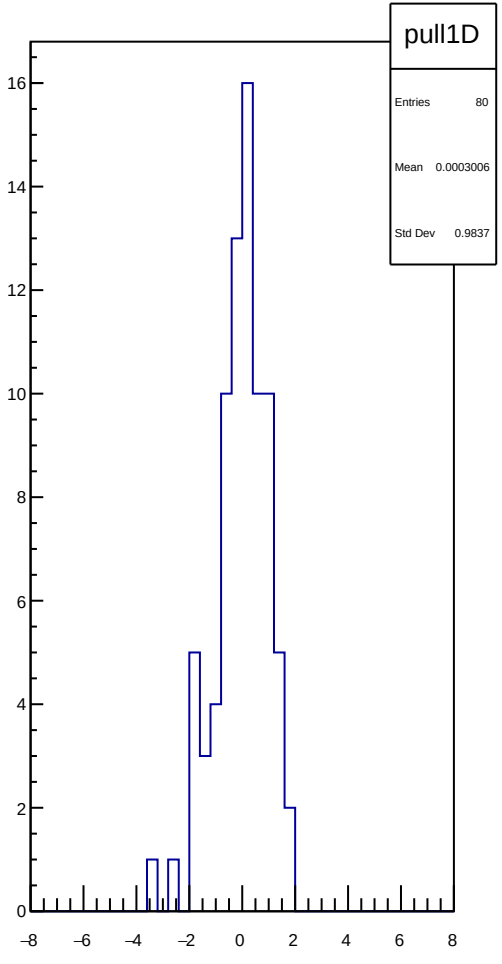

asym_sam_37_dd_rms vs run
χ² / ndf 1.155e+04 / 79
p0 219.8 ± 0.1821
280
260
240
220
200
180

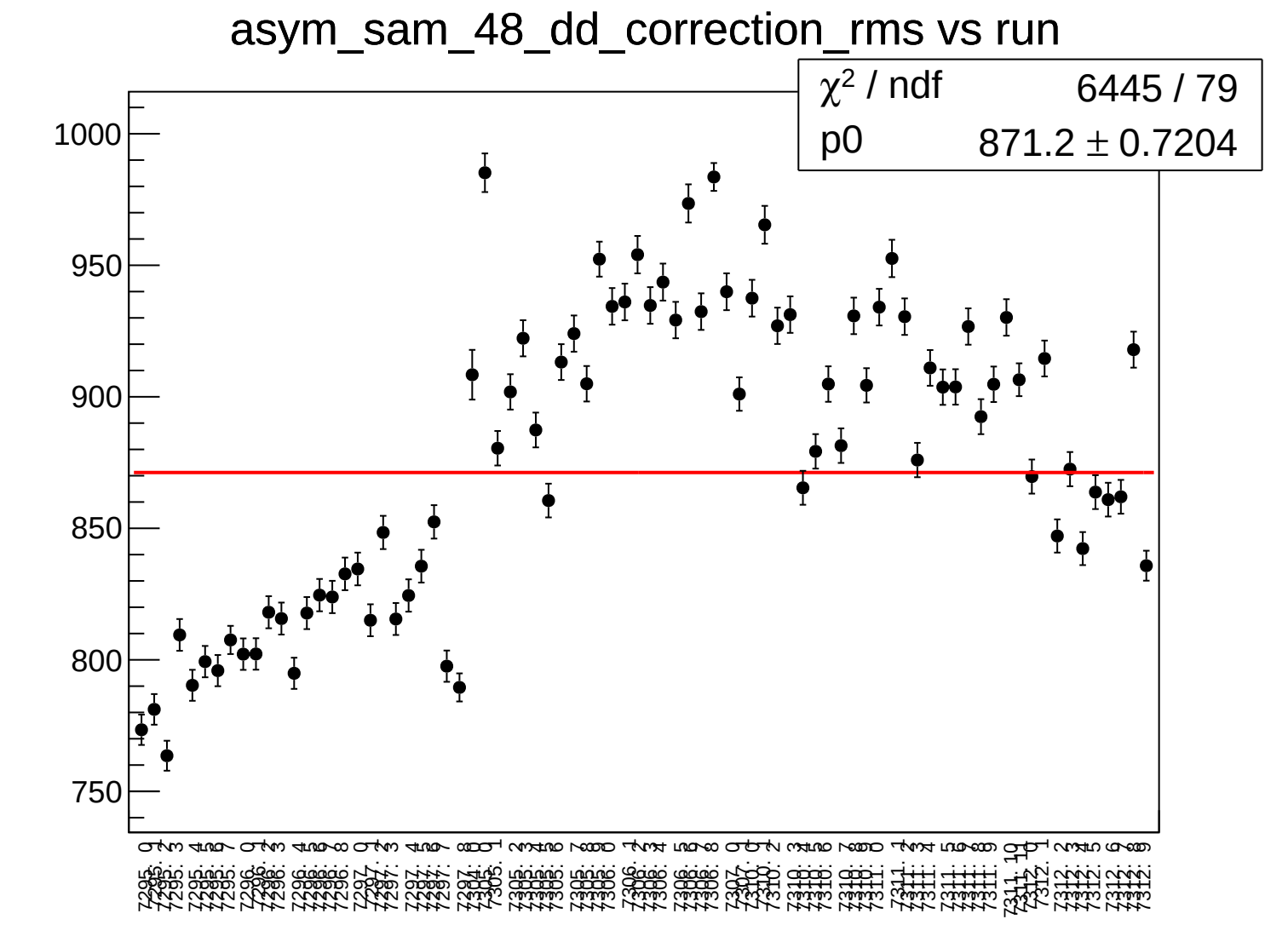

dit_asym_sam_48_dd_mean vs run
χ² / ndf 79.77 / 79
p0 −209.5 ± 209.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −86.94
Std Dev 129.3
2
1
0
−1
−2

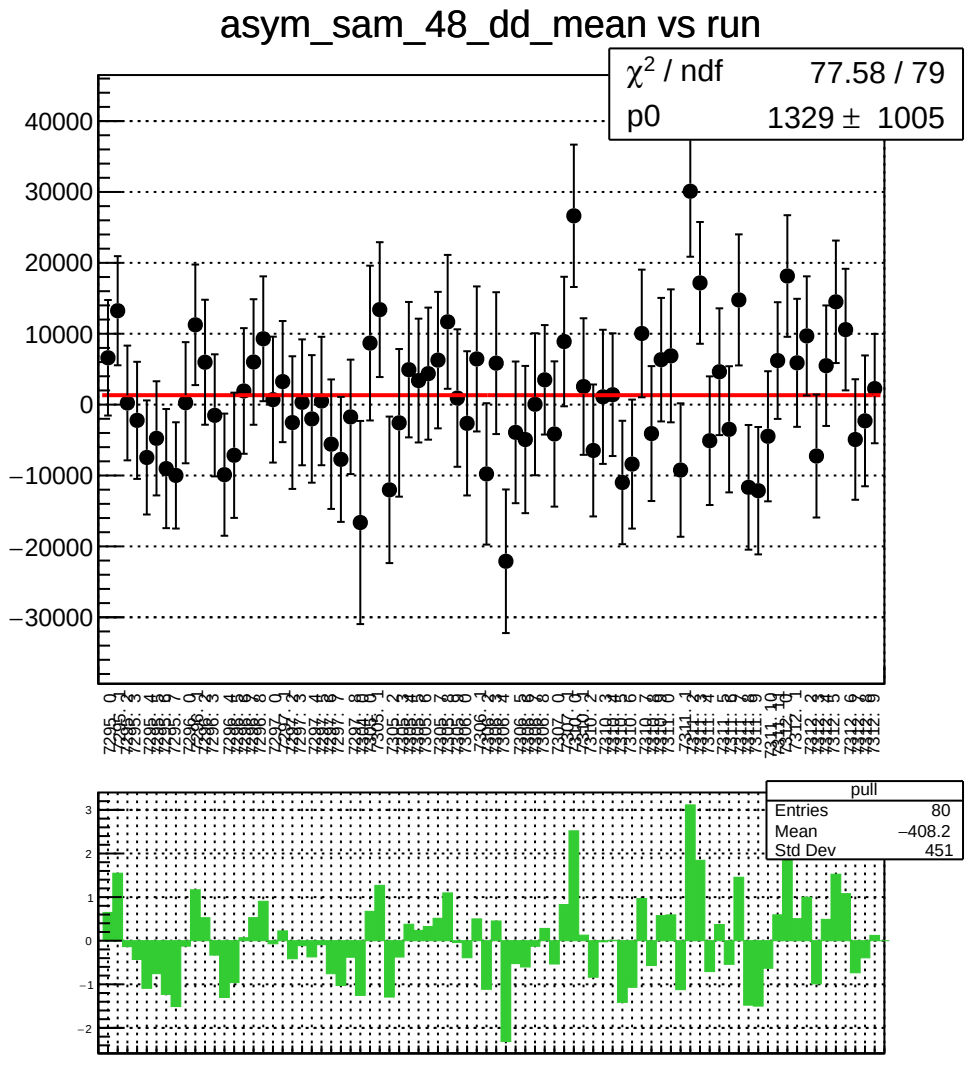

pull1D
Entries 80
Mean 0.01405
Std Dev 0.9985
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

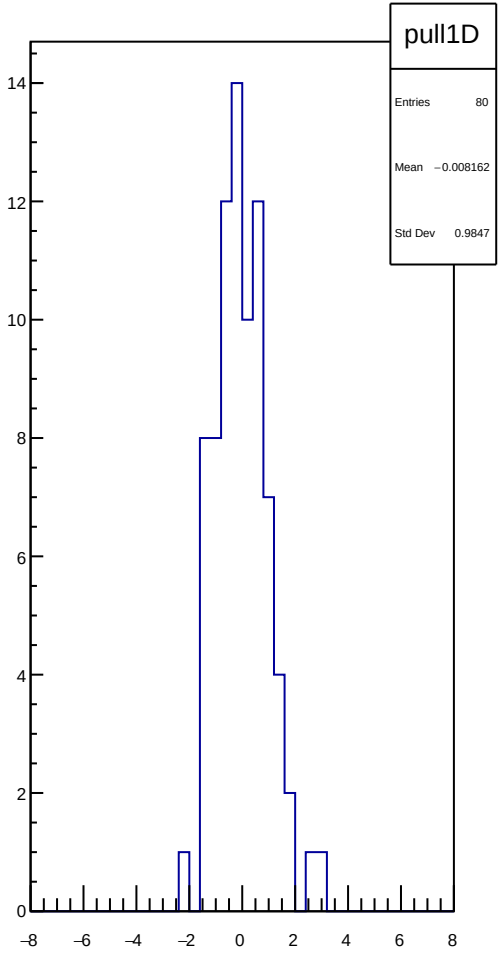

dit_asym_sam_48_dd_rms vs run
χ² / ndf 8.955e+04 / 79
p0 174 ± 0.1481
350
300
250
200
150

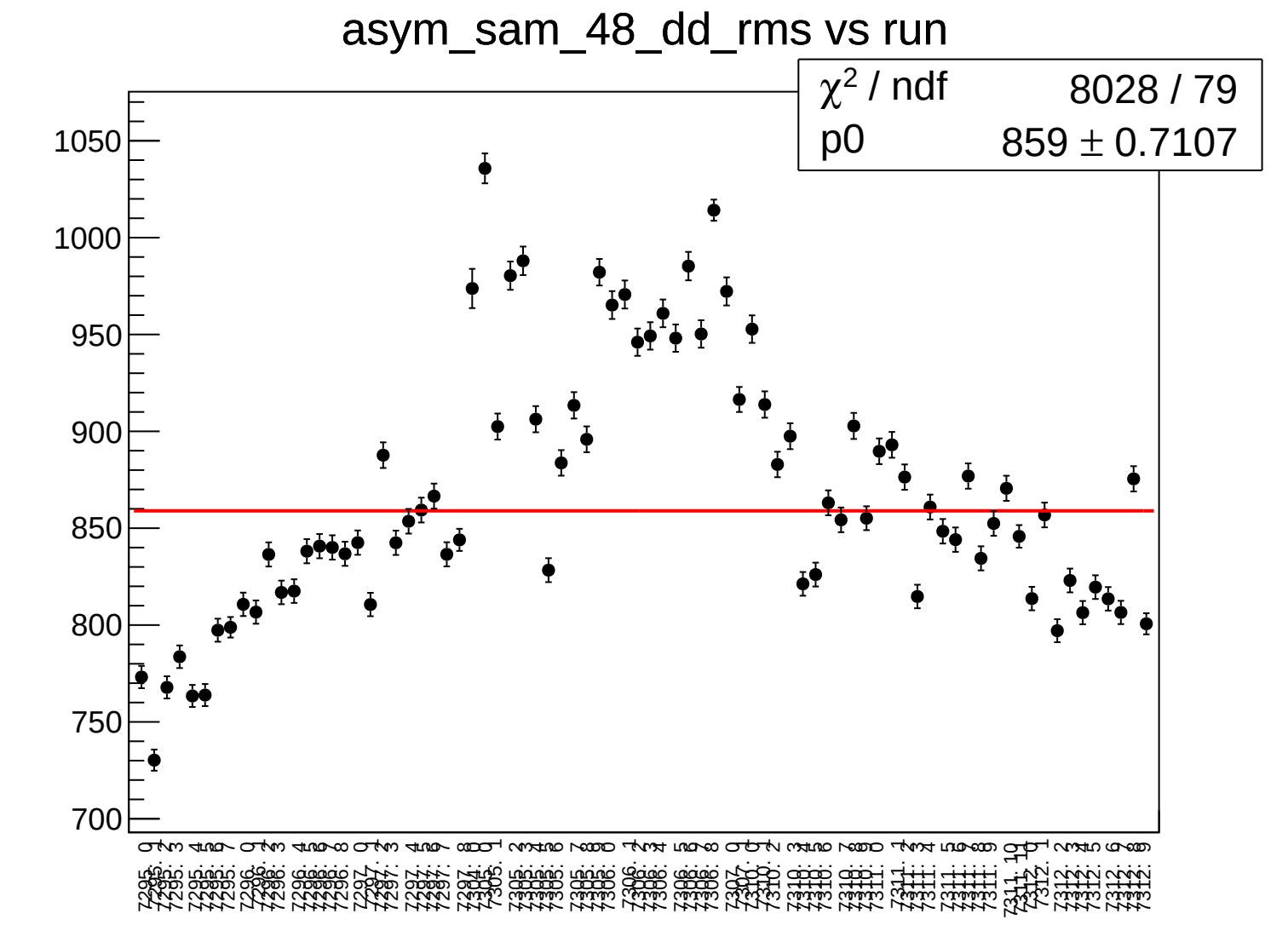

asym_sam_48_dd_correction_mean vs run
χ² / ndf 77.42 / 79
p0 −1362 ± 1019
pull
Entries 80
Mean −1.284e+04
Std Dev 1.288e+04

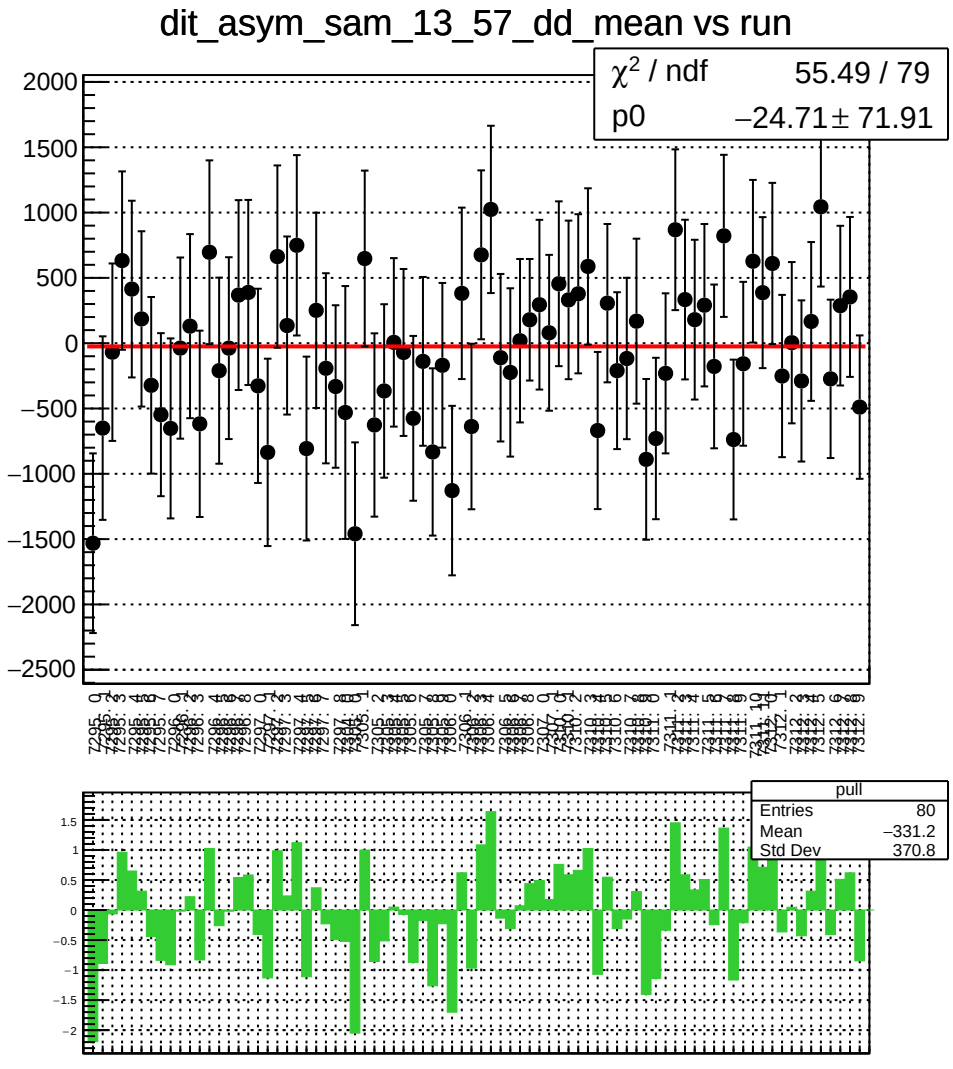

pull1D
Entries 80
Mean 0.0003006
Std Dev 0.9837

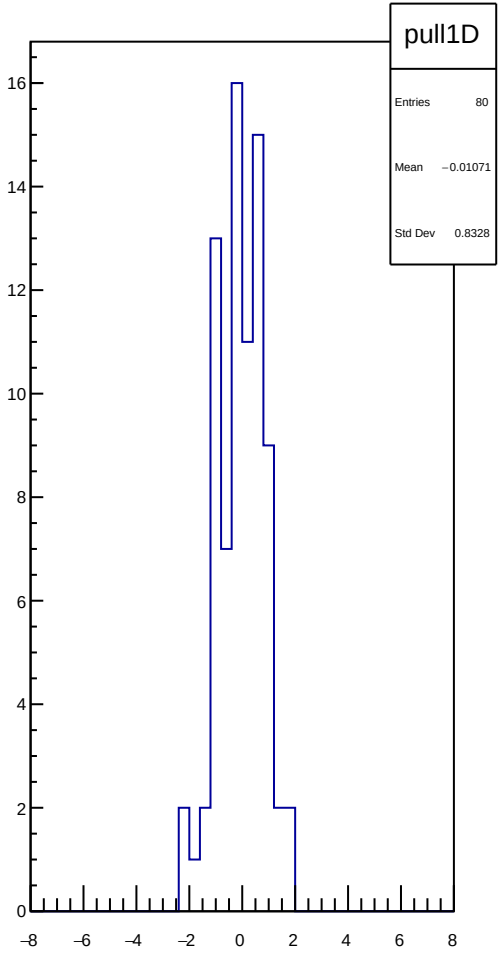

asym_sam_48_dd_correction_rms vs run
χ² / ndf 6445 / 79
p0 871.2 ± 0.7204
1000
950
900
850
800
750

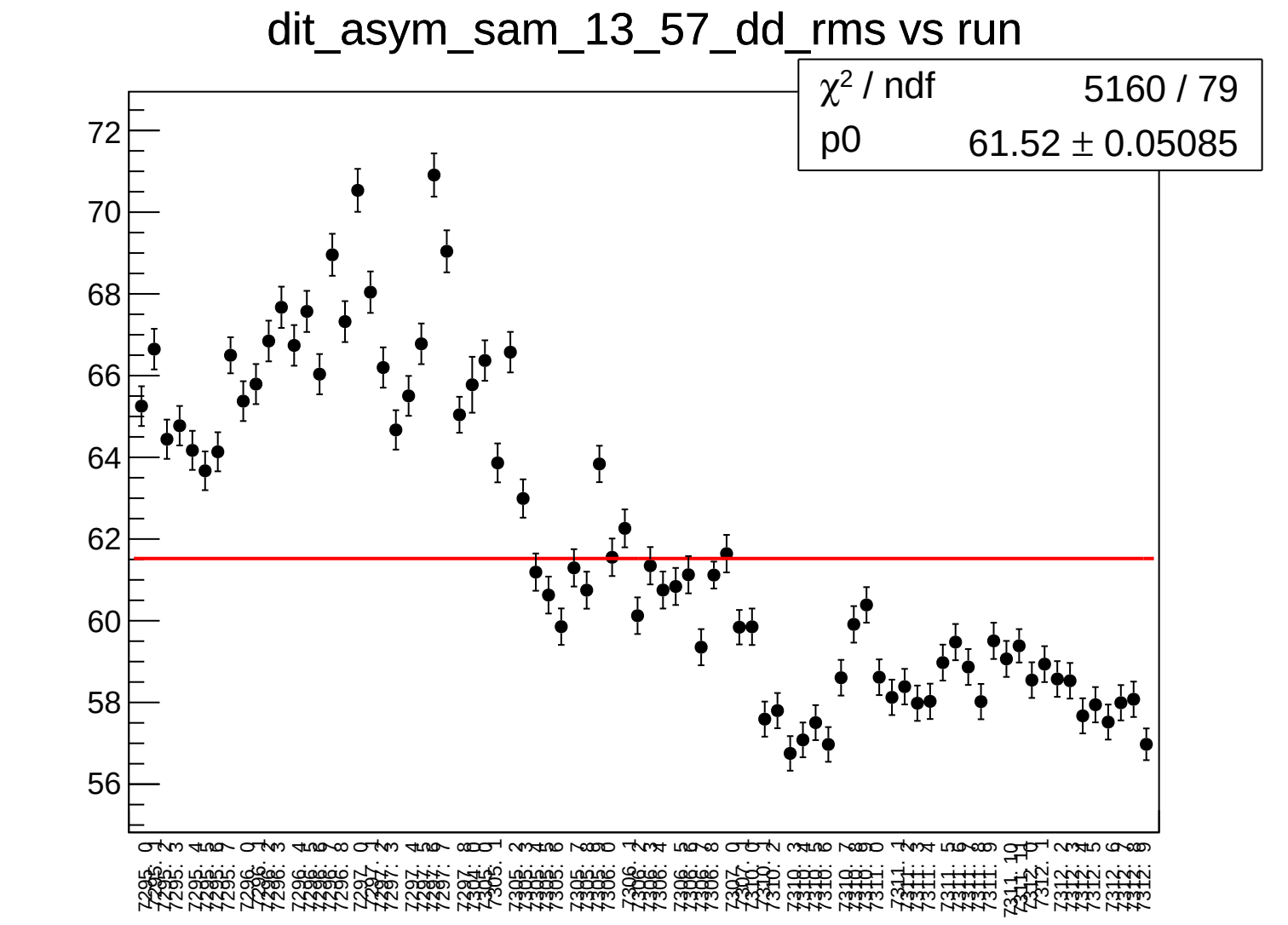

asym_sam_48_dd_mean vs run
χ² / ndf 77.58 / 79
p0 1329 ± 1005
pull
Entries 80
Mean −408.2
Std Dev 451

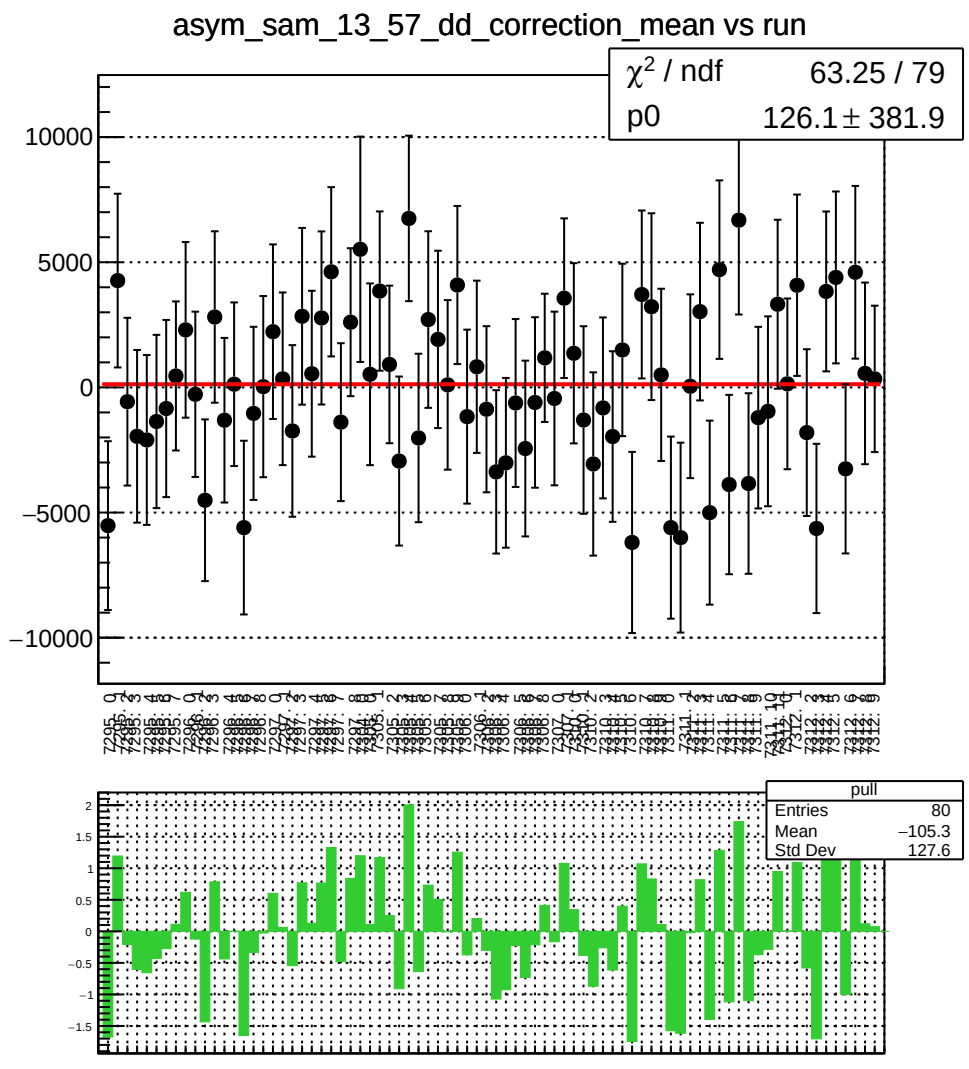

pull1D
Entries 80
Mean −0.008162
Std Dev 0.9847

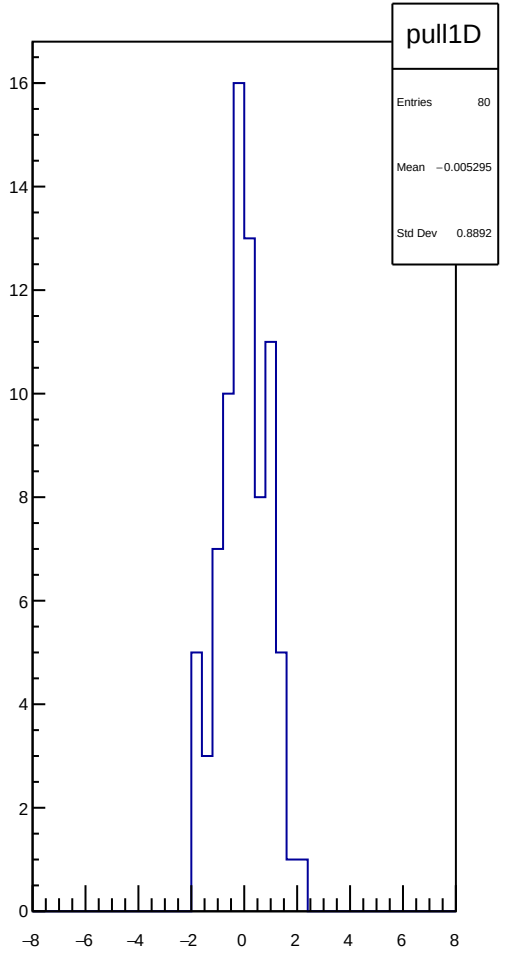

asym_sam_48_dd_rms vs run
χ² / ndf 8028 / 79
p0 859 ± 0.7107
1050
1000
950
900
850
800
750
700

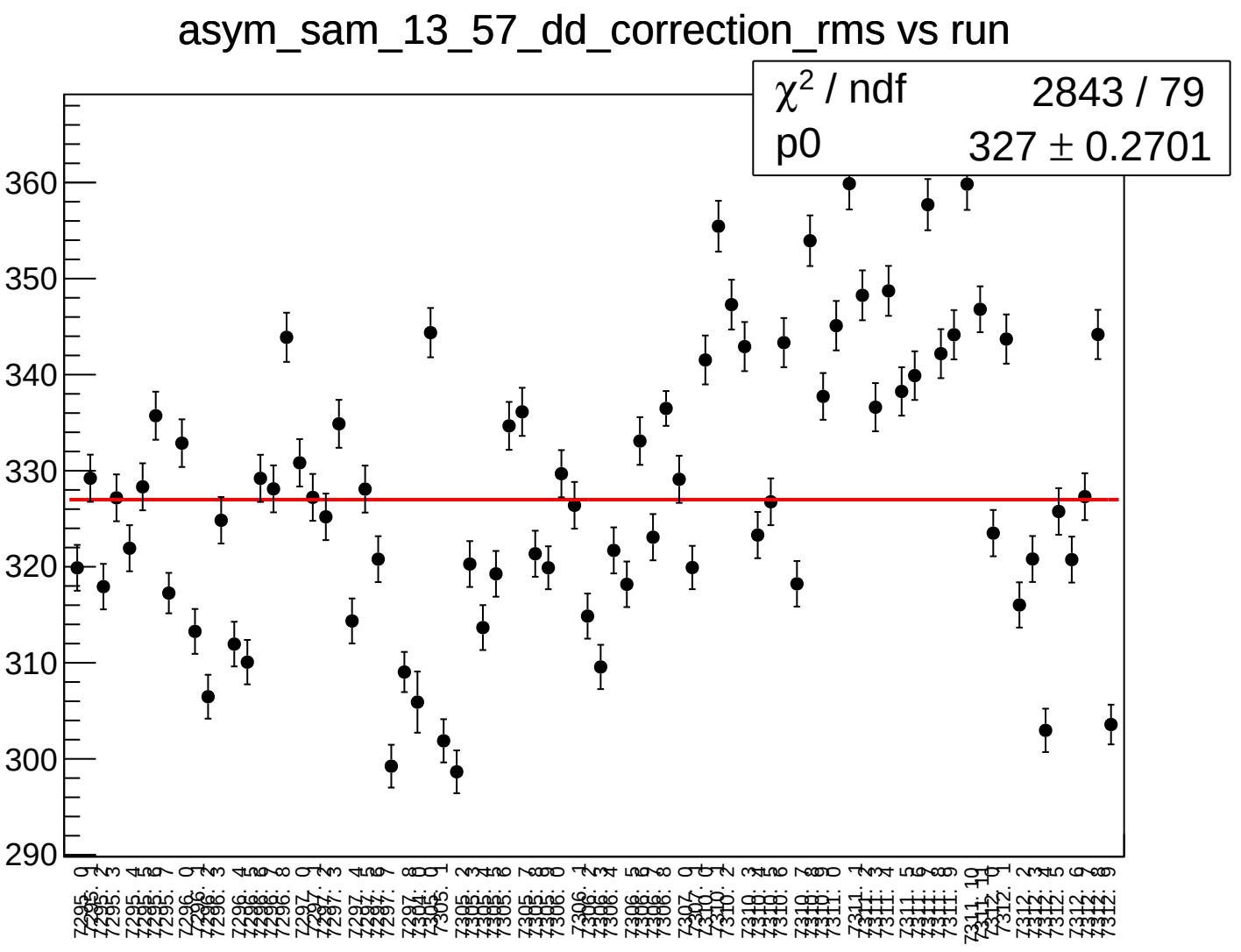

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.49 / 79
p0 −24.71 ± 71.91
pull
Entries 80
Mean −331.2
Std Dev 370.8

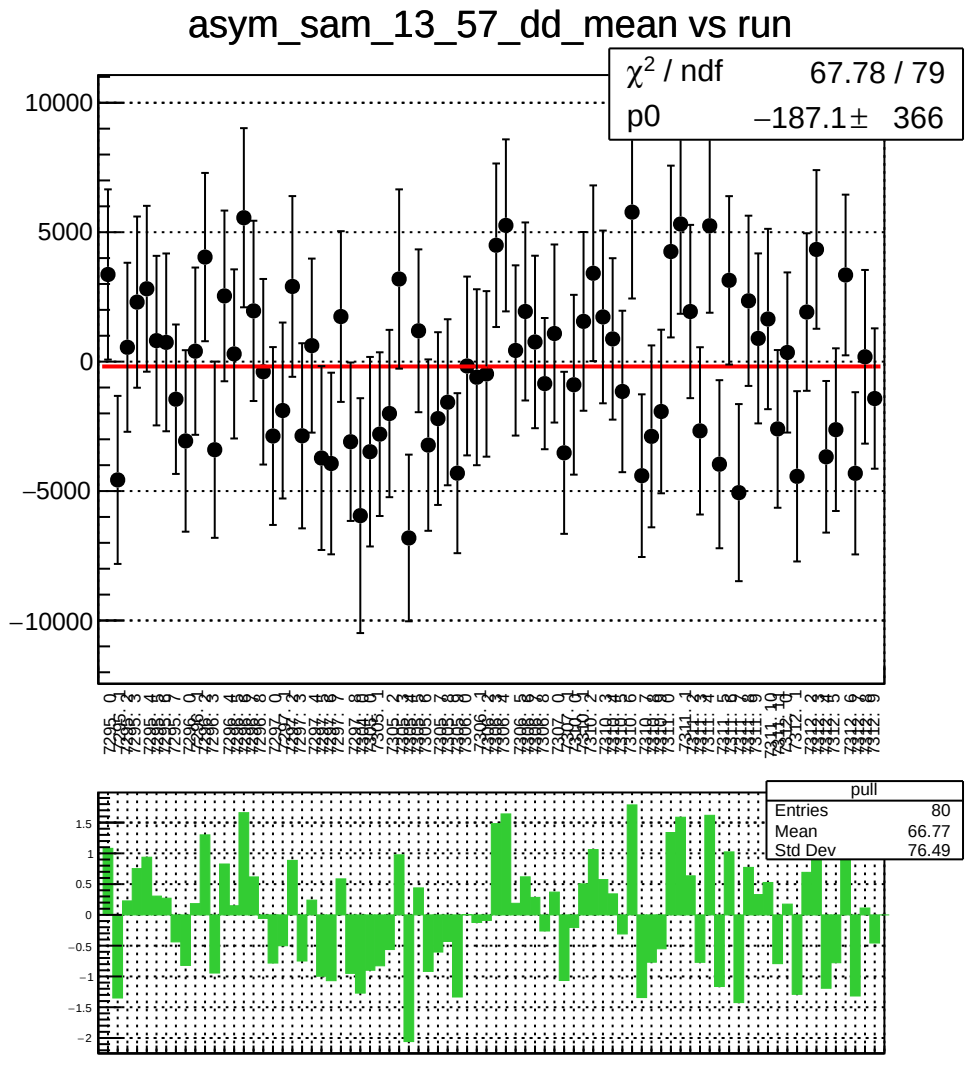

pull1D
Entries 80
Mean −0.01071
Std Dev 0.8328

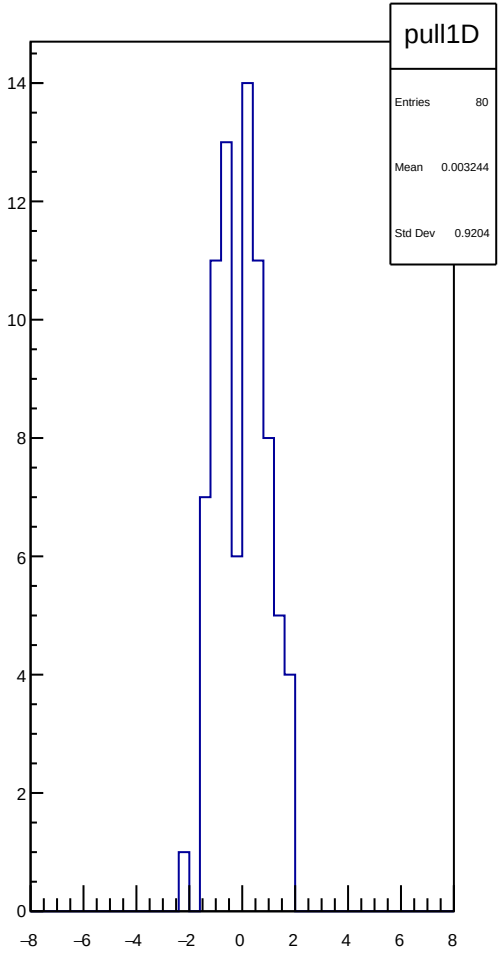

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 5160 / 79
p0 61.52 ± 0.05085
72
70
68
66
64
62
60
58
56

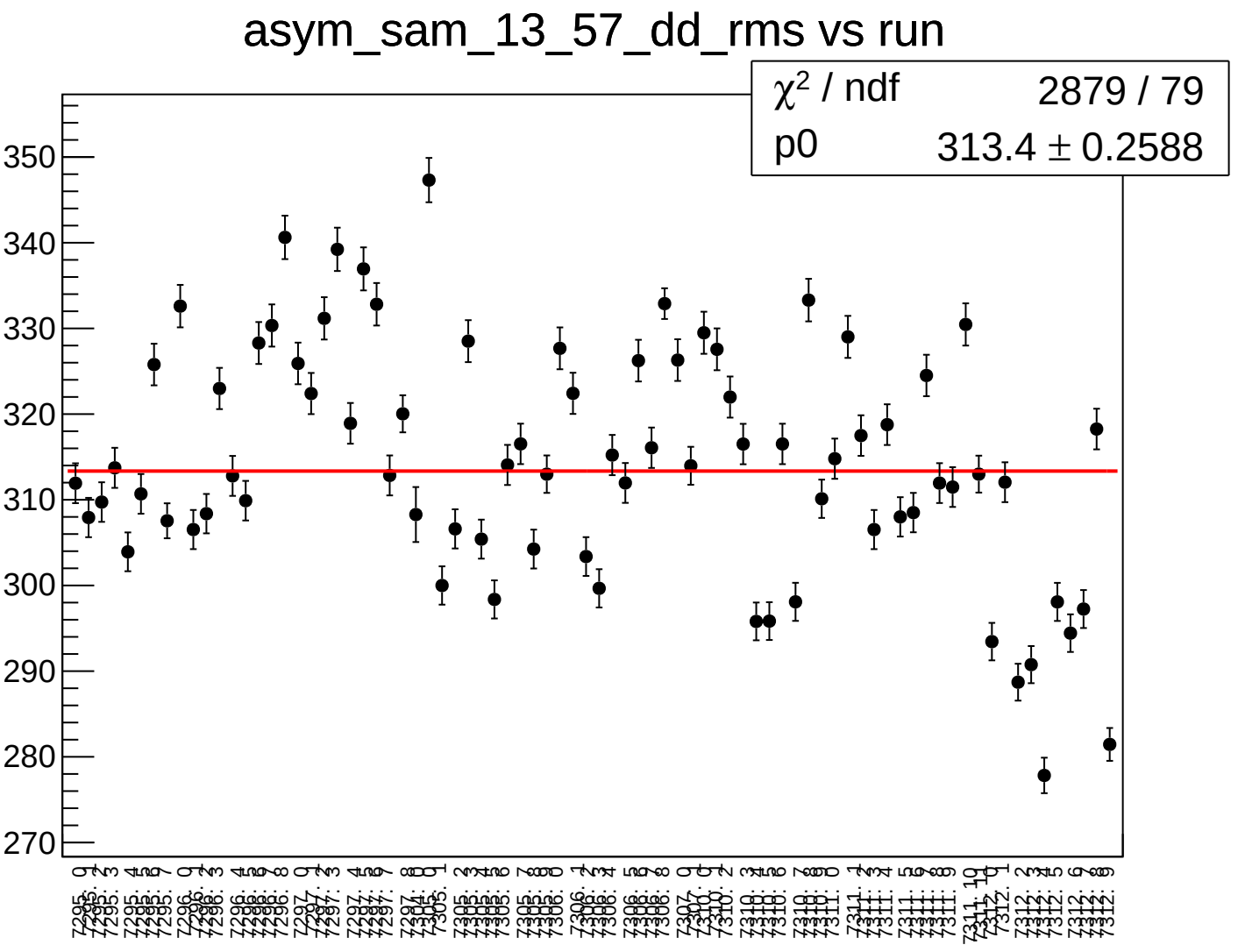

asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 63.25 / 79
p0 126.1 ± 381.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −105.3
Std Dev 127.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

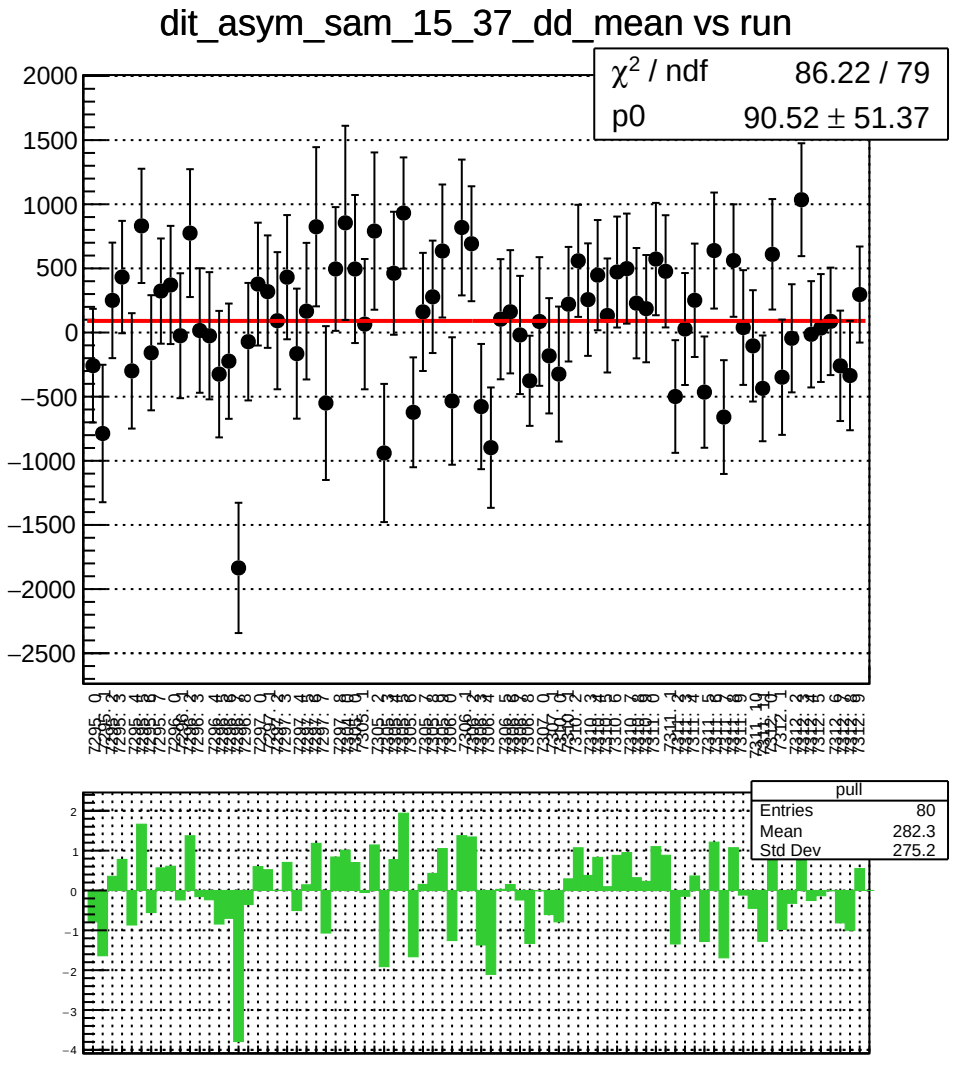

pull1D
Entries 80
Mean −0.005295
Std Dev 0.8892
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

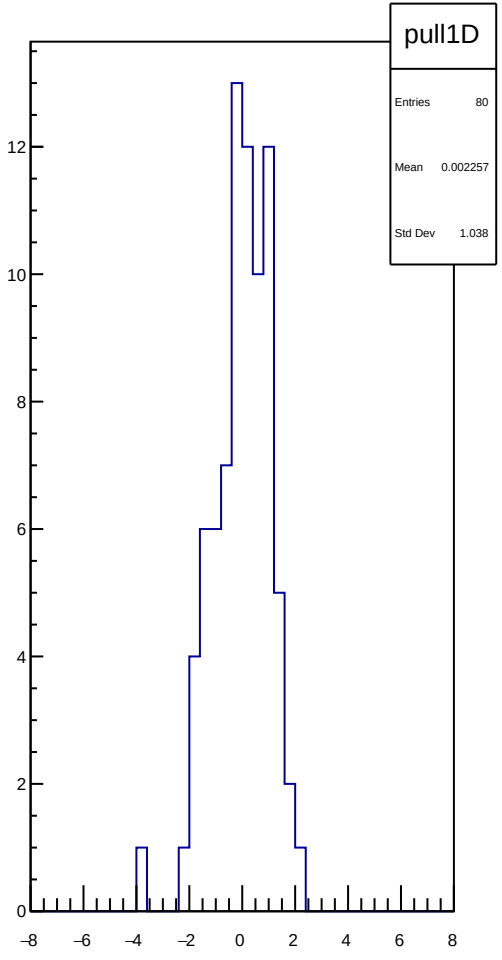

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2843 / 79
p0 327 ± 0.2701
360
350
340
330
320
310
300
290

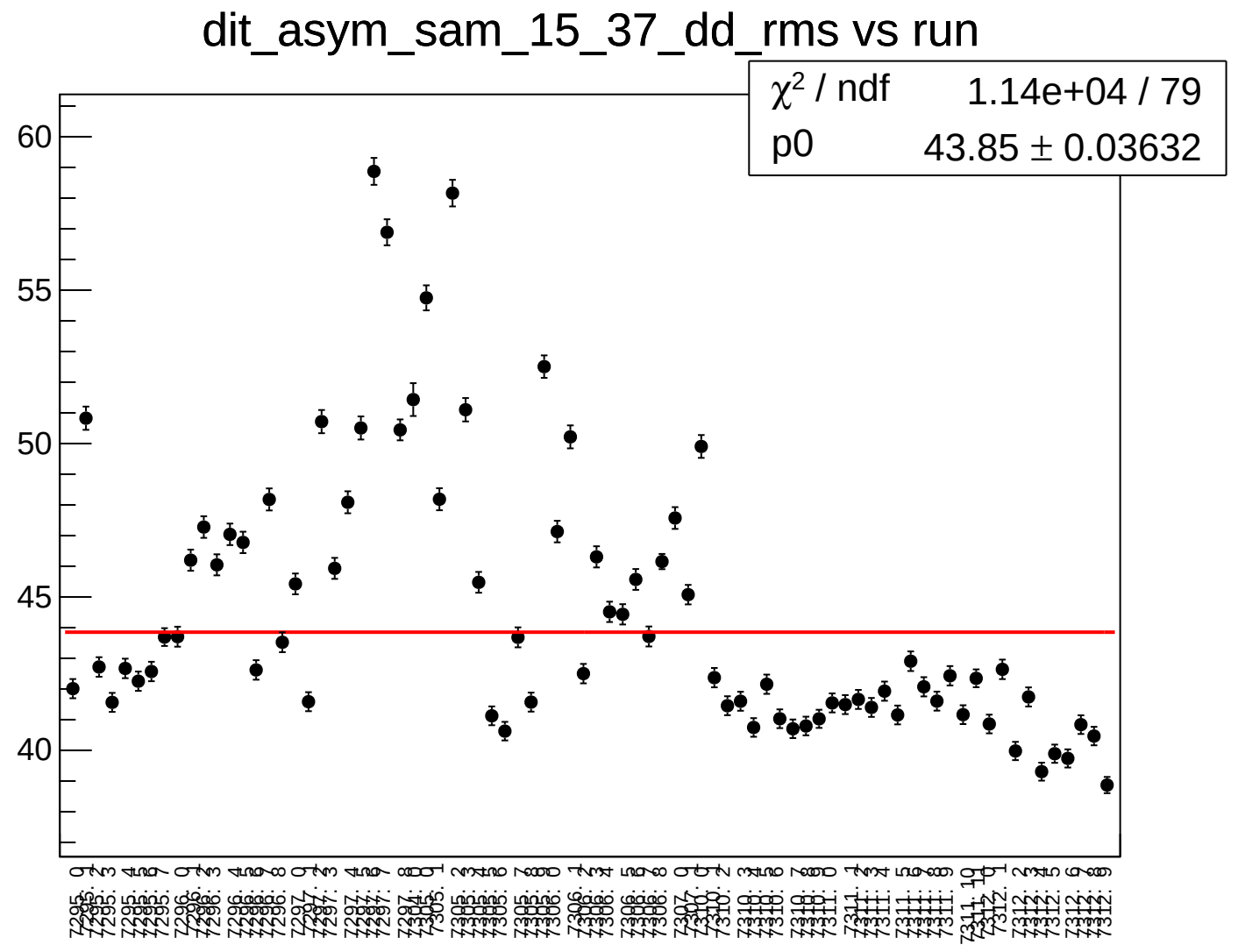

asym_sam_13_57_dd_mean vs run
χ² / ndf 67.78 / 79
p0 −187.1± 366
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 66.77
Std Dev 76.49
1.5
1
0.5
0
−0.5
−1
−1.5
−2

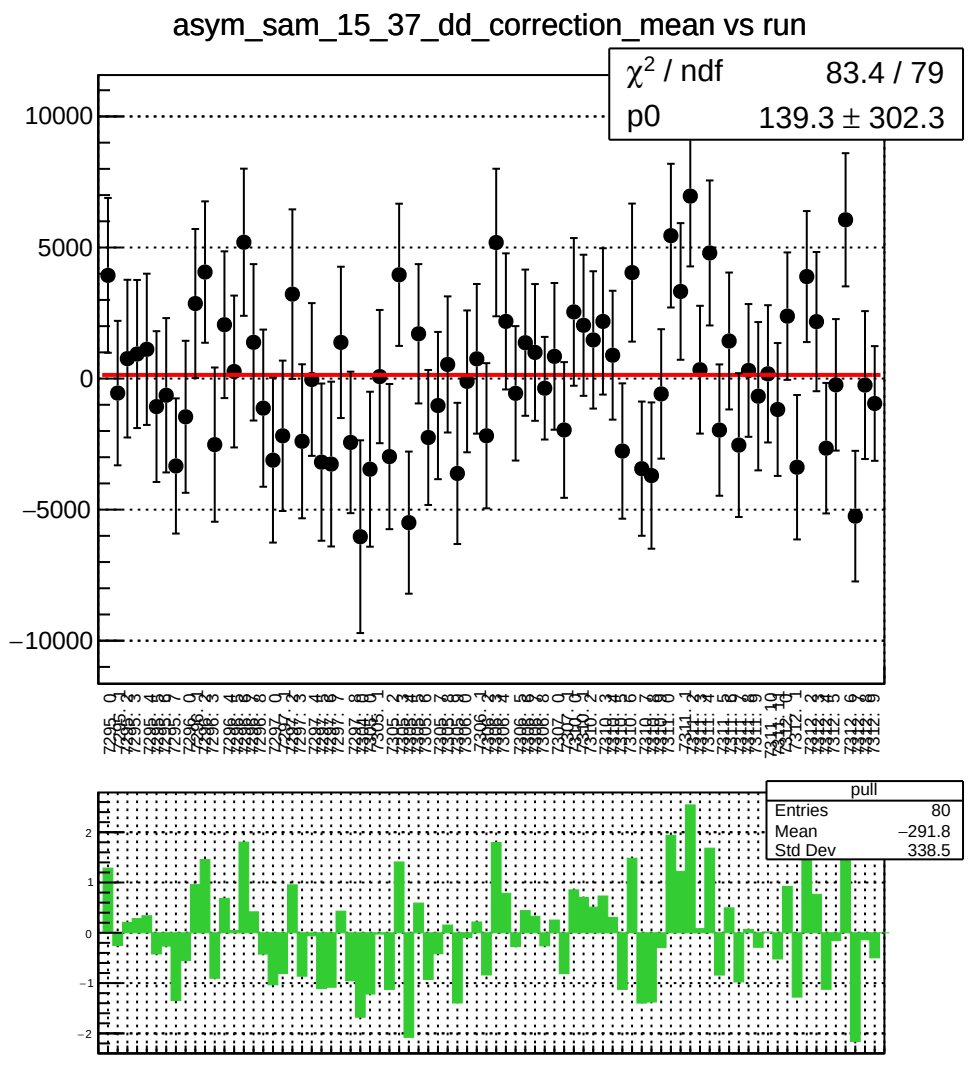

pull1D
Entries 80
Mean 0.003244
Std Dev 0.9204
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

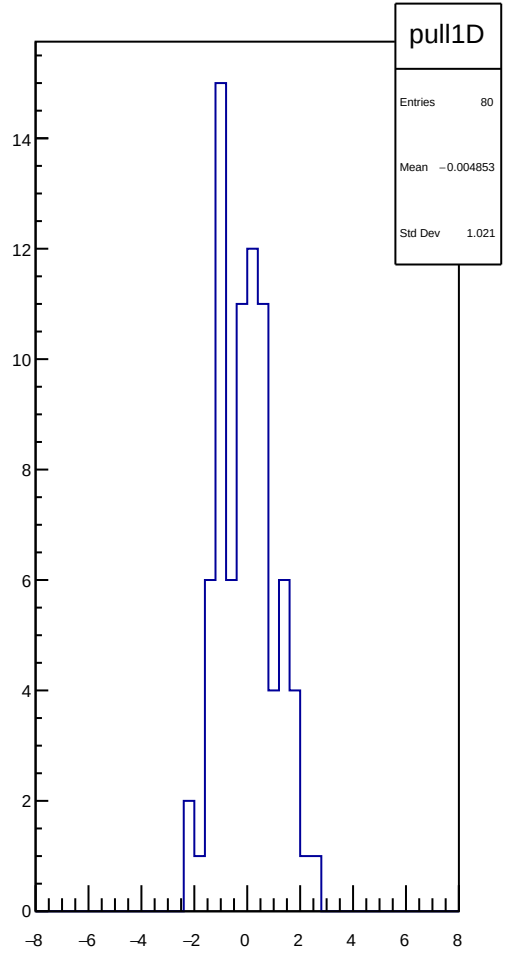

asym_sam_13_57_dd_rms vs run
χ² / ndf 2879 / 79
p0 313.4 ± 0.2588
350
340
330
320
310
300
290
280
270

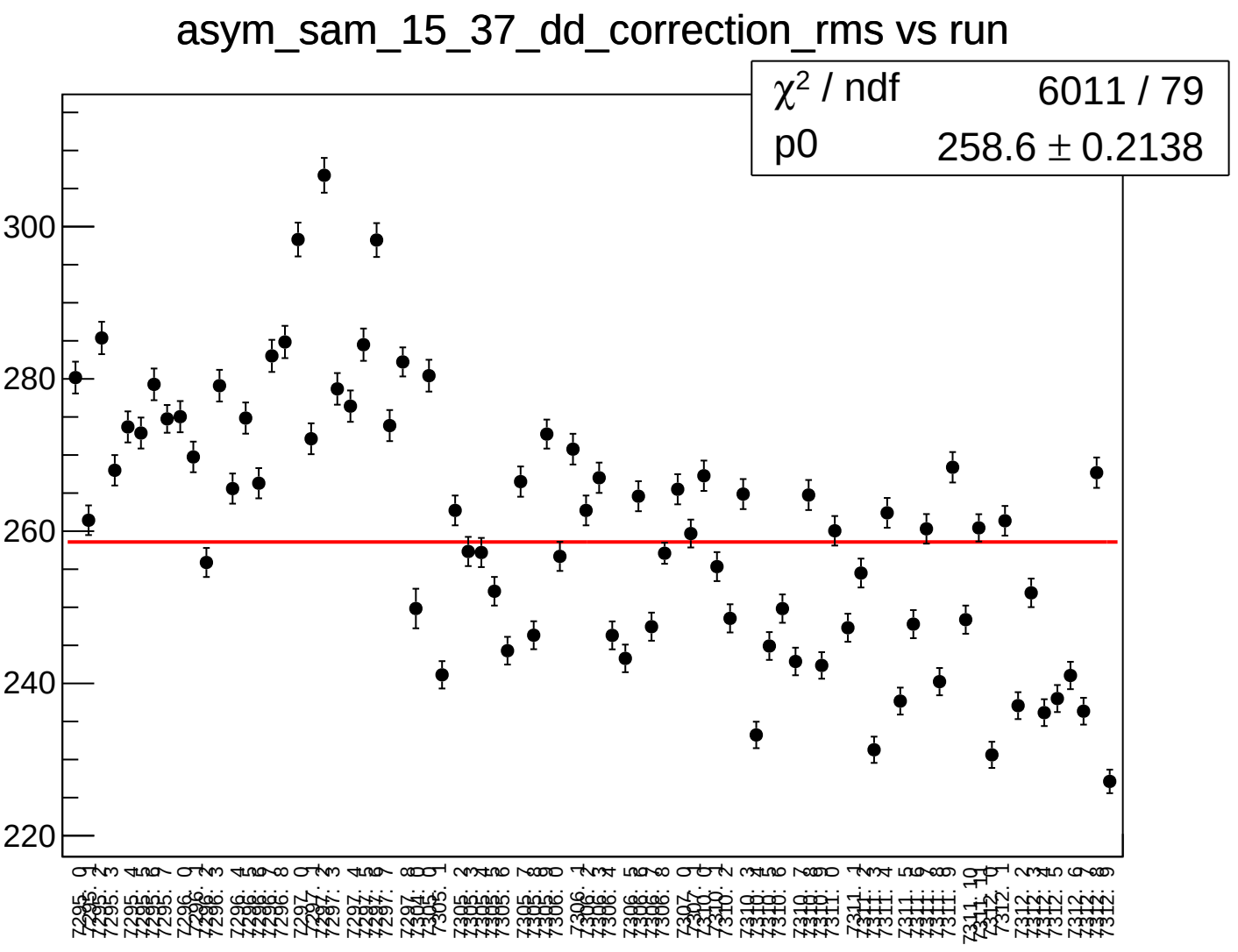

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 86.22 / 79
p0 90.52 ± 51.37
pull
Entries 80
Mean 282.3
Std Dev 275.2

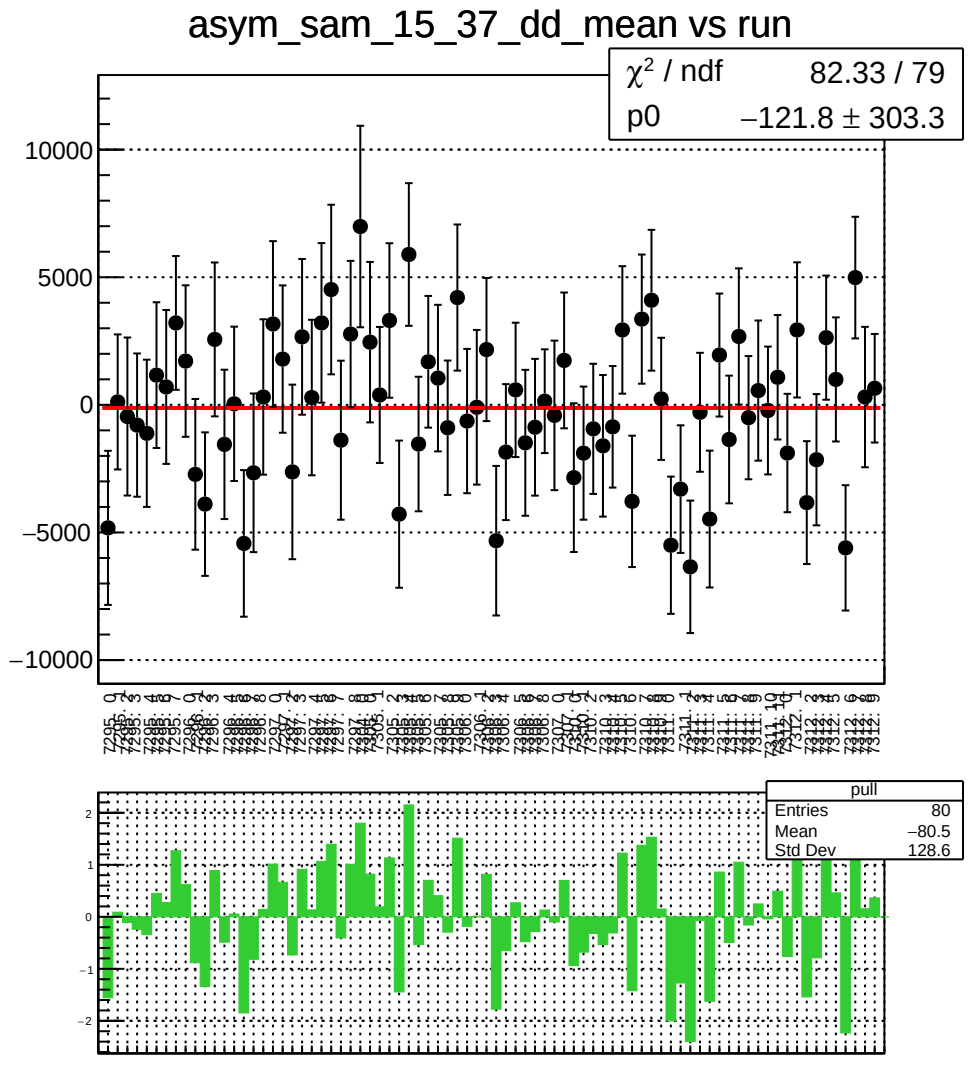

pull1D
Entries 80
Mean 0.002257
Std Dev 1.038

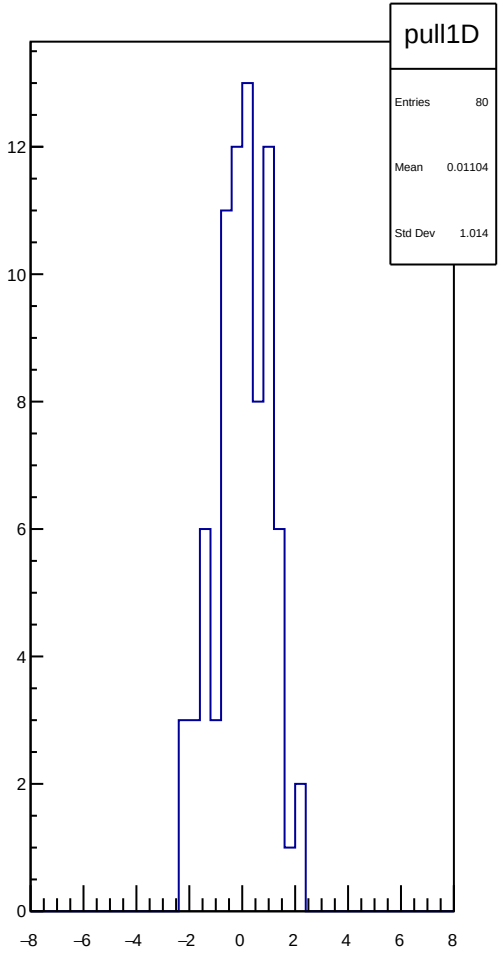

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.14e+04 / 79
p0 43.85 ± 0.03632
60
55
50
45
40

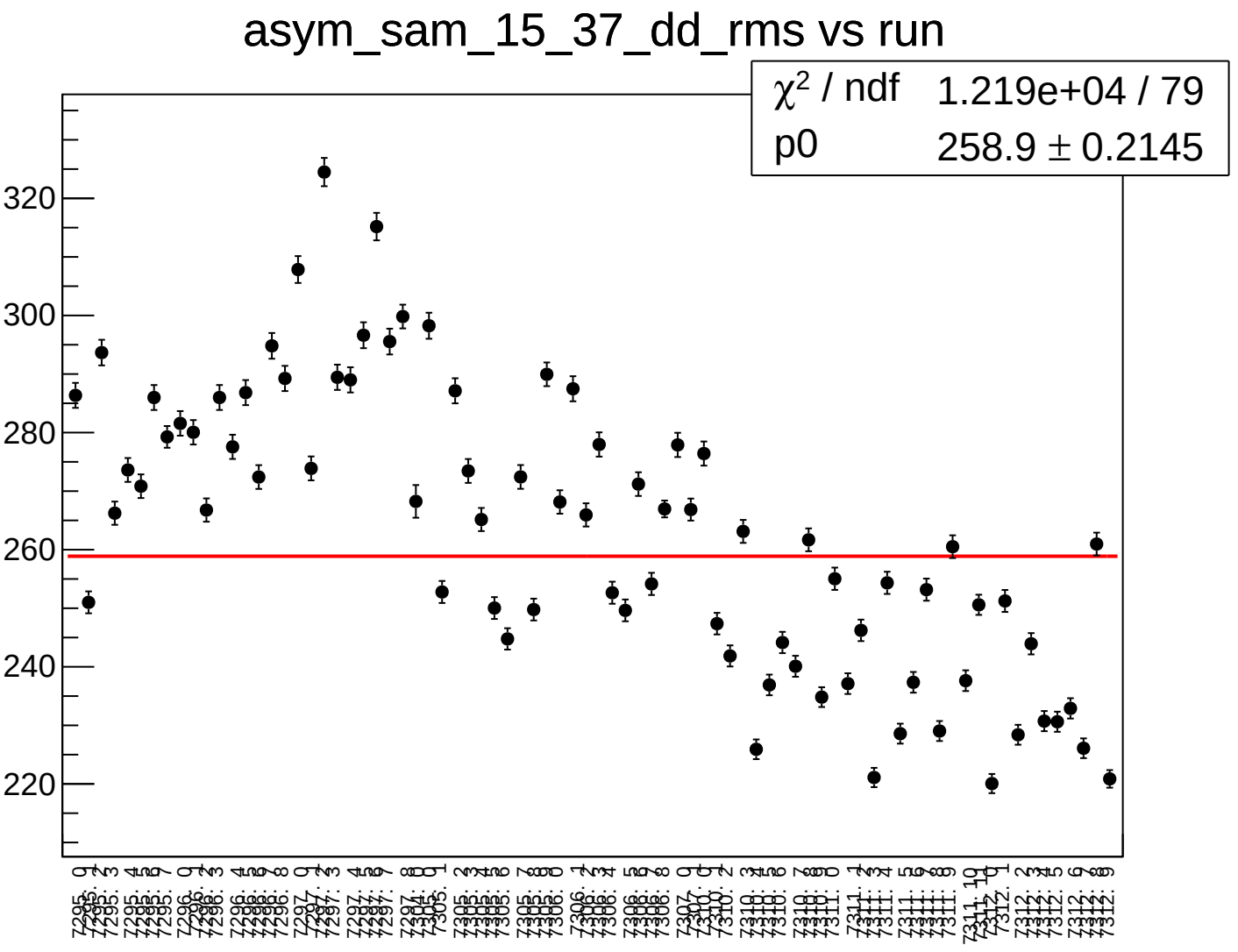

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 83.4 / 79
p0 139.3 ± 302.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −291.8
Std Dev 338.5
2
1
0
−1
−2

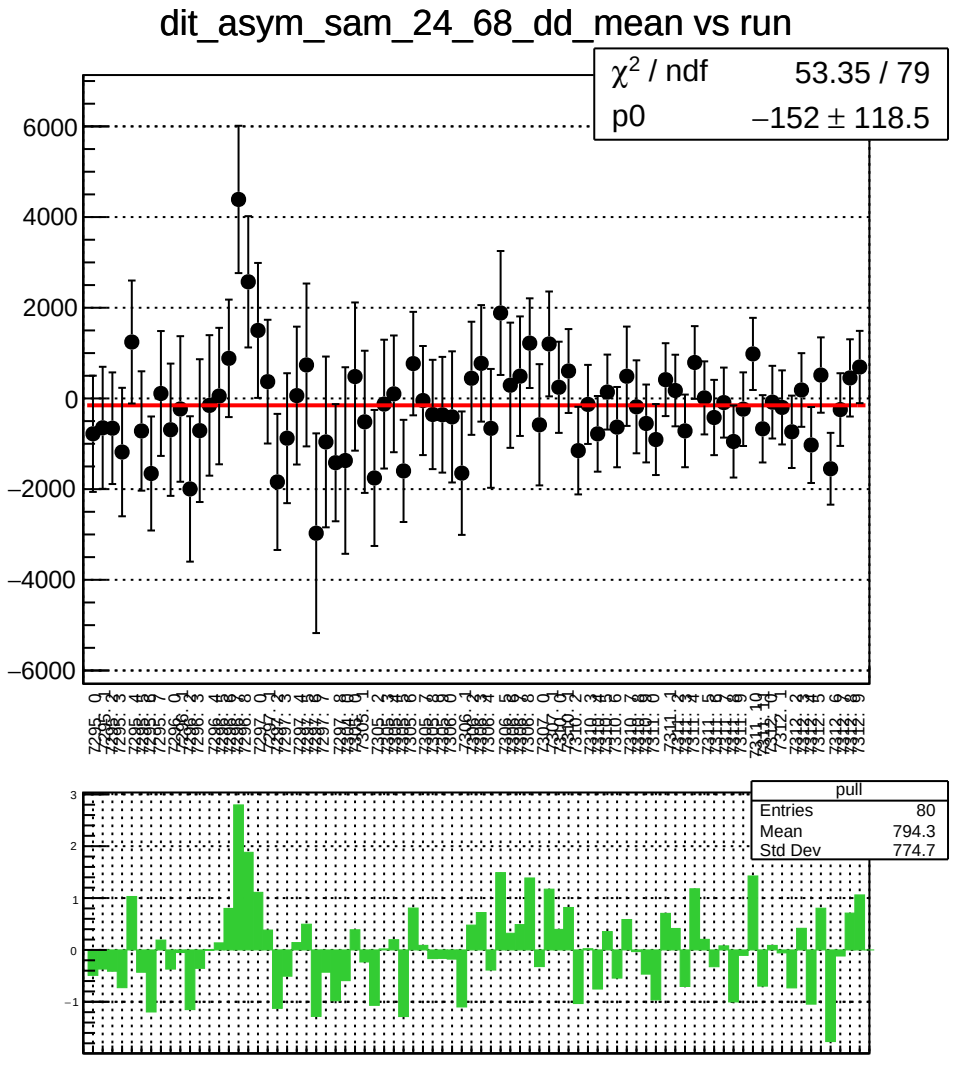

pull1D
Entries 80
Mean −0.004853
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

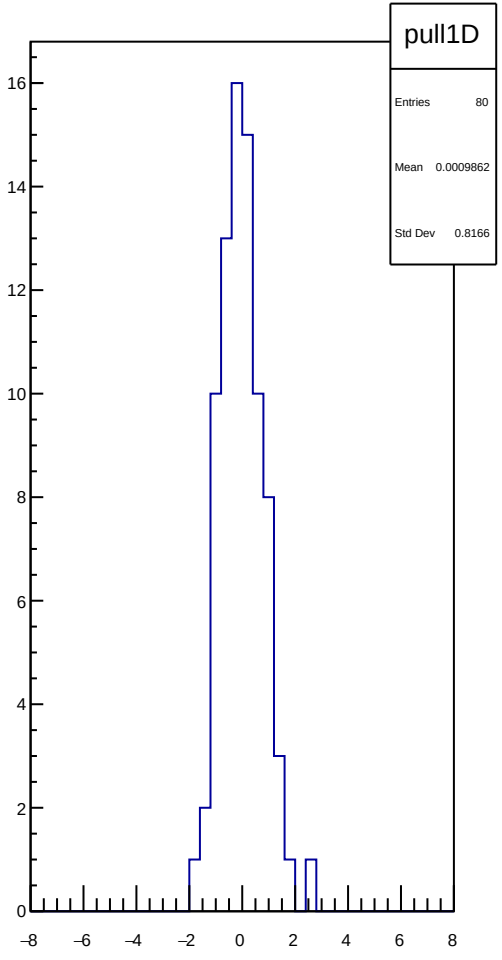

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6011 / 79
p0 258.6 ± 0.2138
300
280
260
240
220

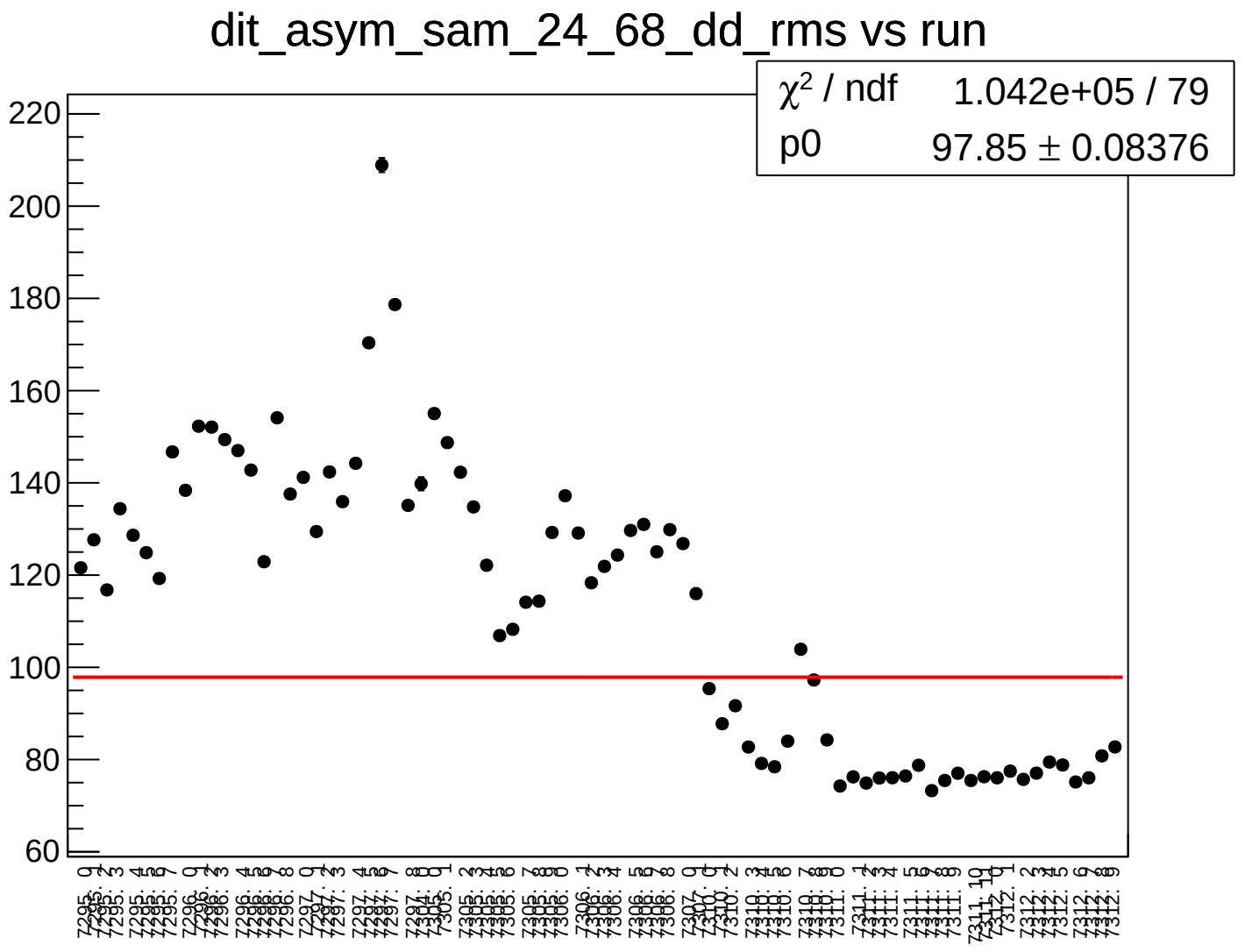

asym_sam_15_37_dd_mean vs run
χ² / ndf 82.33 / 79
p0 −121.8 ± 303.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −80.5
Std Dev 128.6
2
1
0
−1
−2

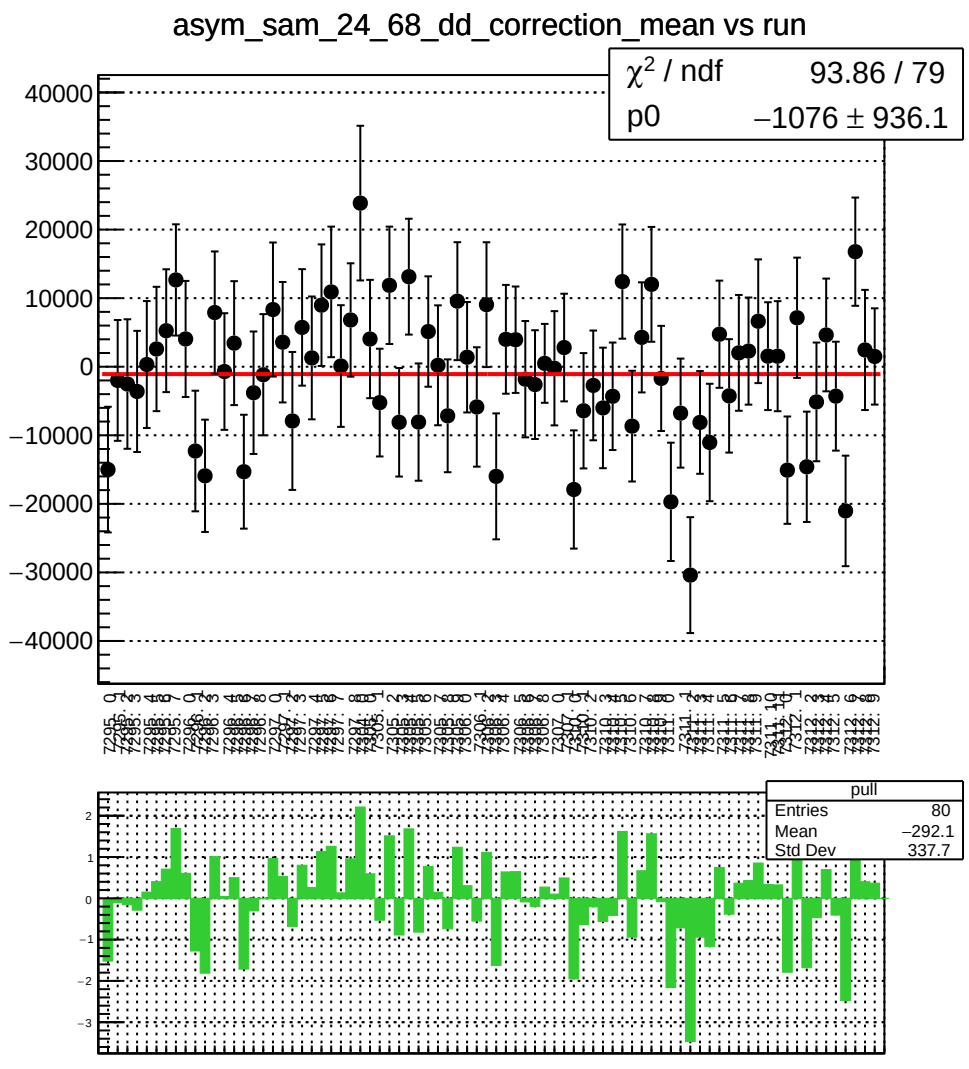

pull1D
Entries 80
Mean 0.01104
Std Dev 1.014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

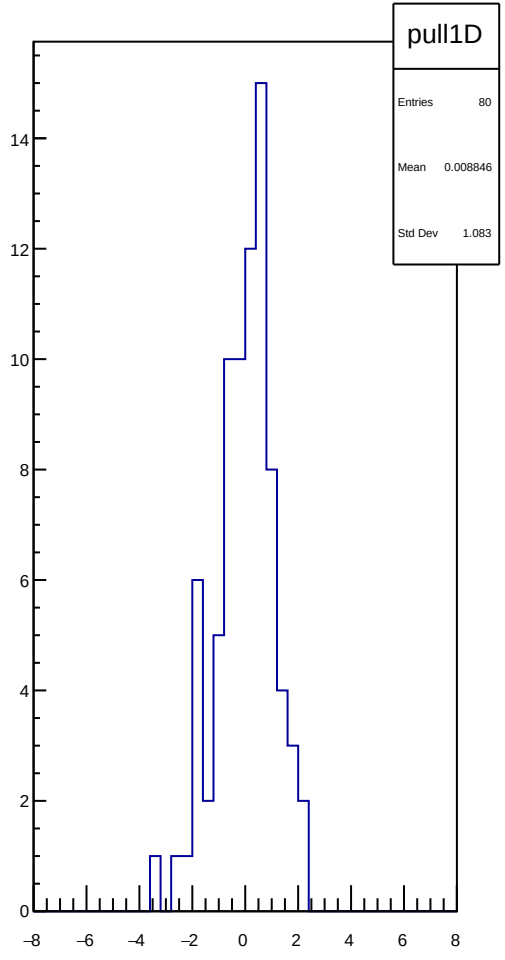

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.219e+04 / 79
p0 258.9 ± 0.2145
320
300
280
260
240
220

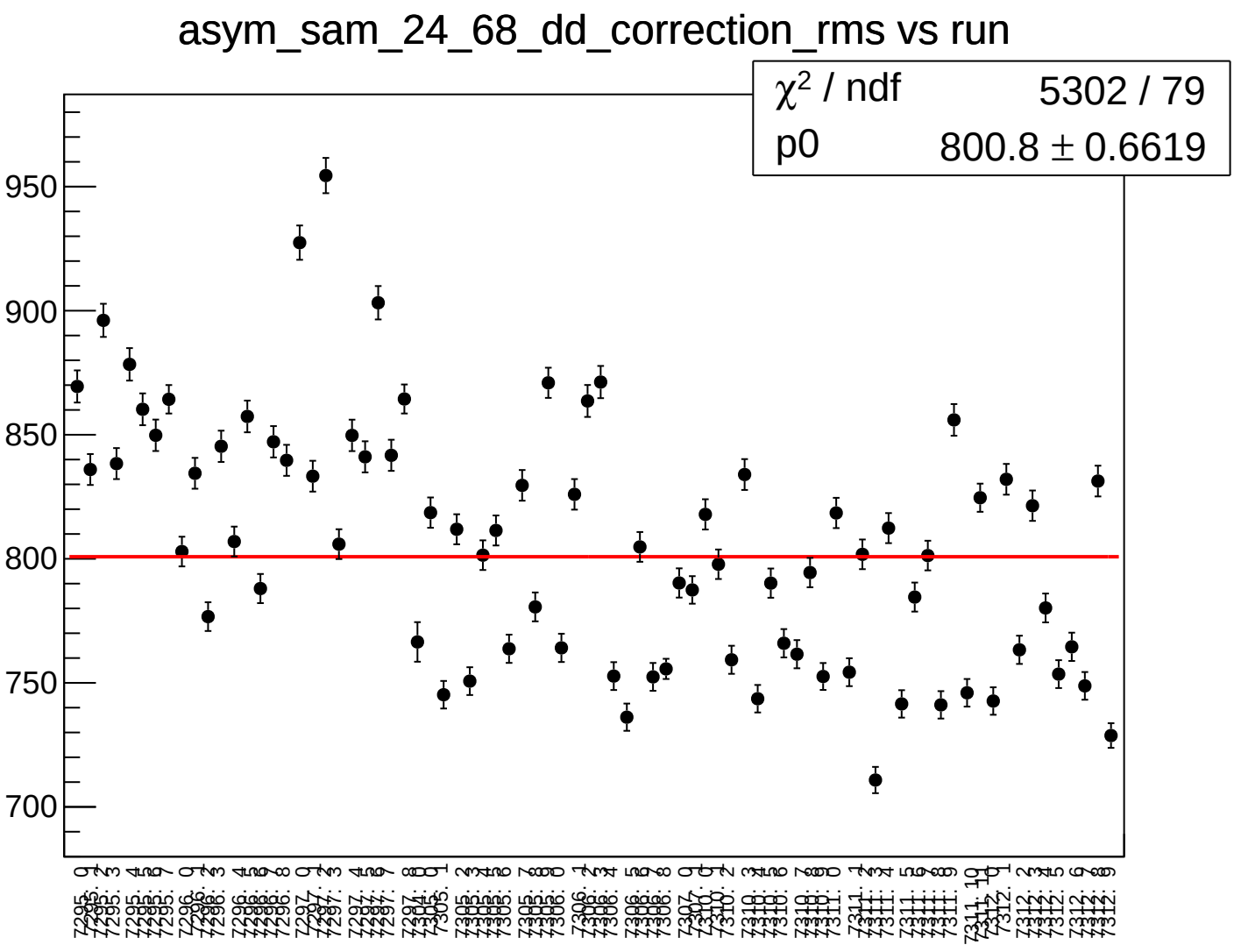

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 53.35 / 79
p0 −152 ± 118.5
pull
Entries 80
Mean 794.3
Std Dev 774.7

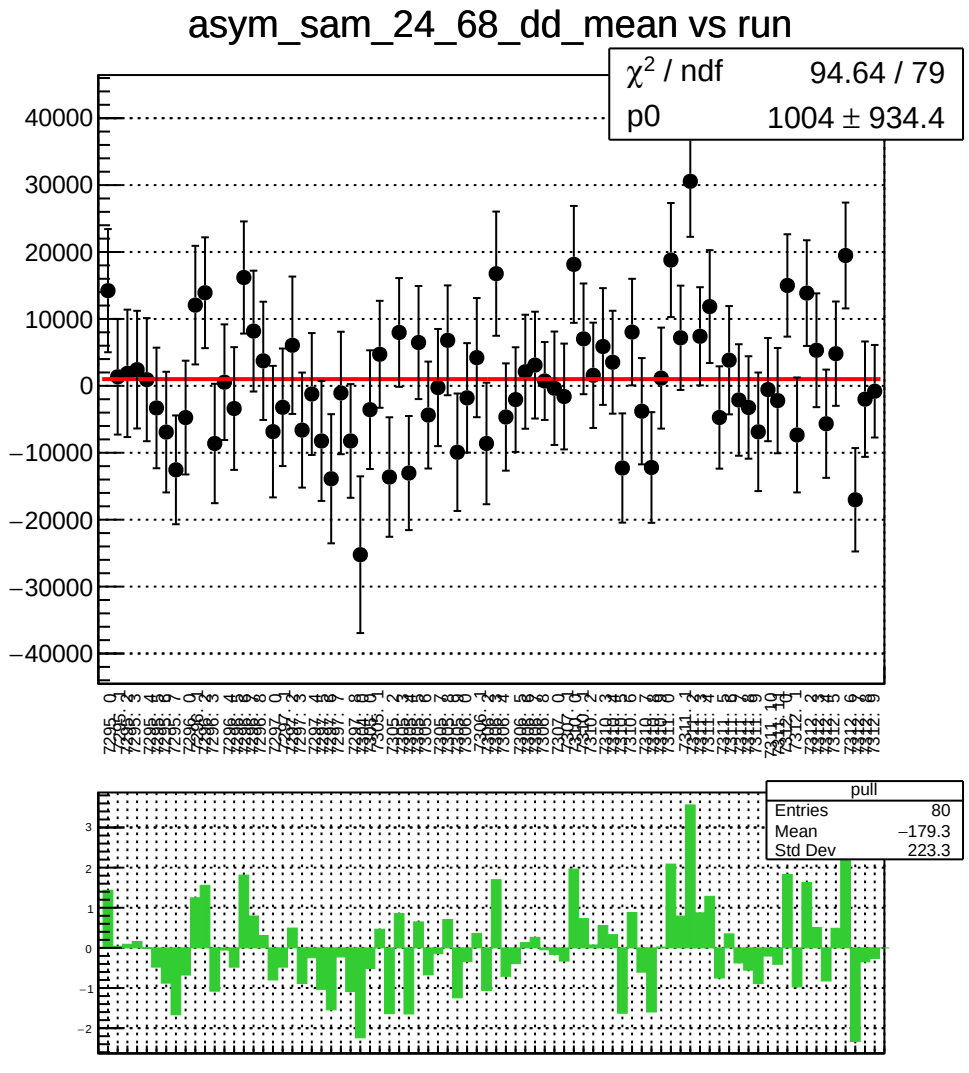

pull1D
Entries 80
Mean 0.0009862
Std Dev 0.8166

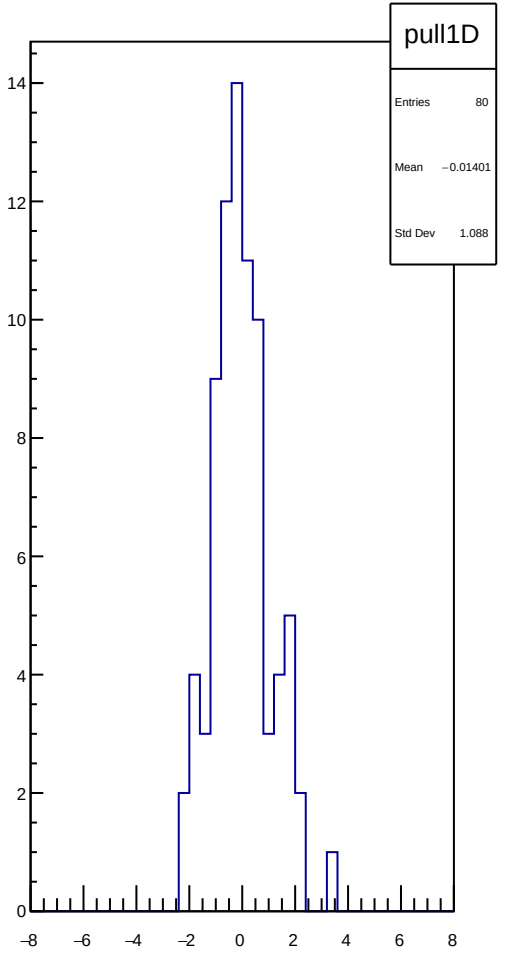

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.042e+05 / 79
p0 97.85 ± 0.08376
220
200
180
160
140
120
100
80
60

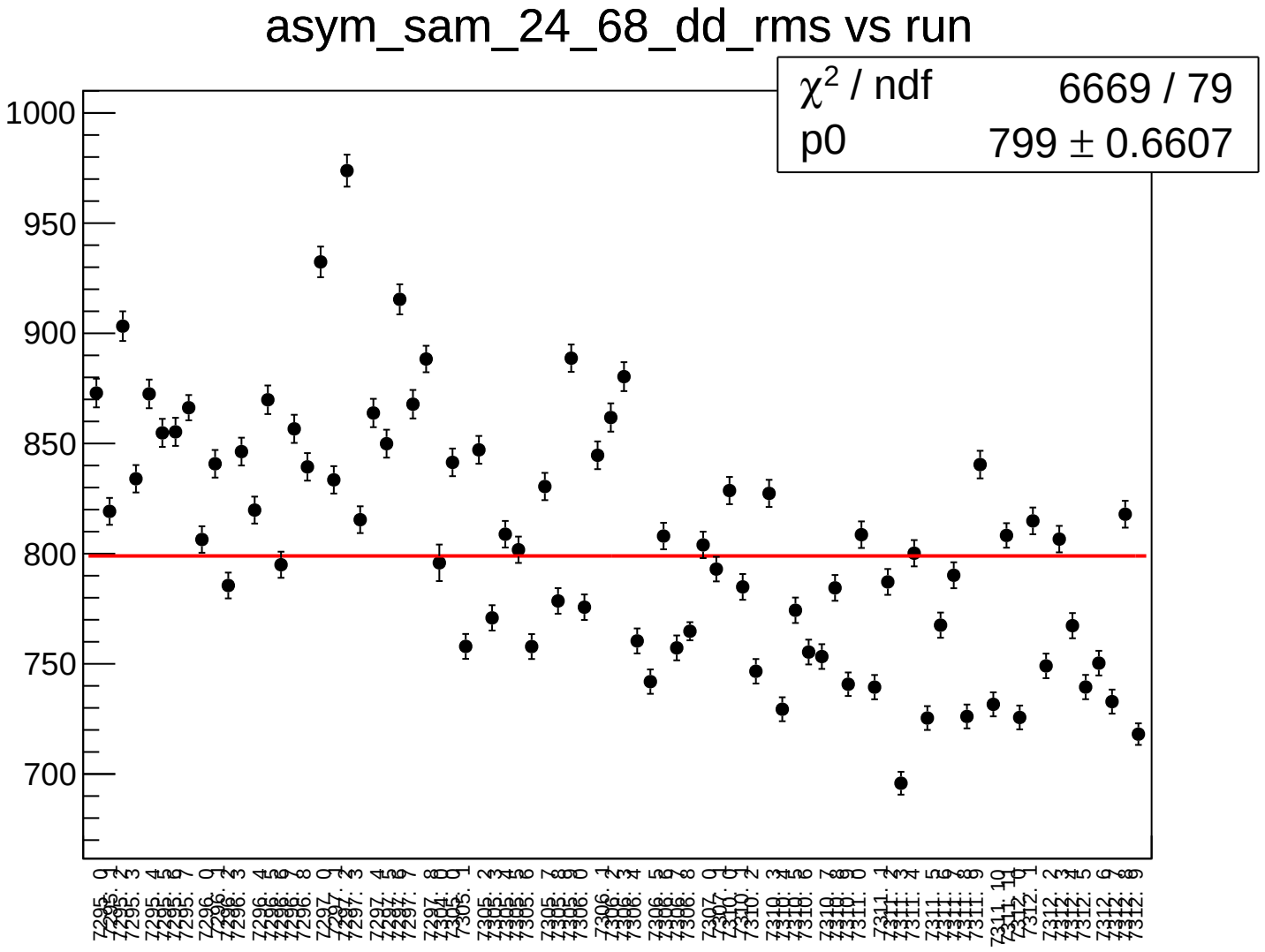

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 93.86 / 79
p0 −1076 ± 936.1
pull
Entries 80
Mean −292.1
Std Dev 337.7

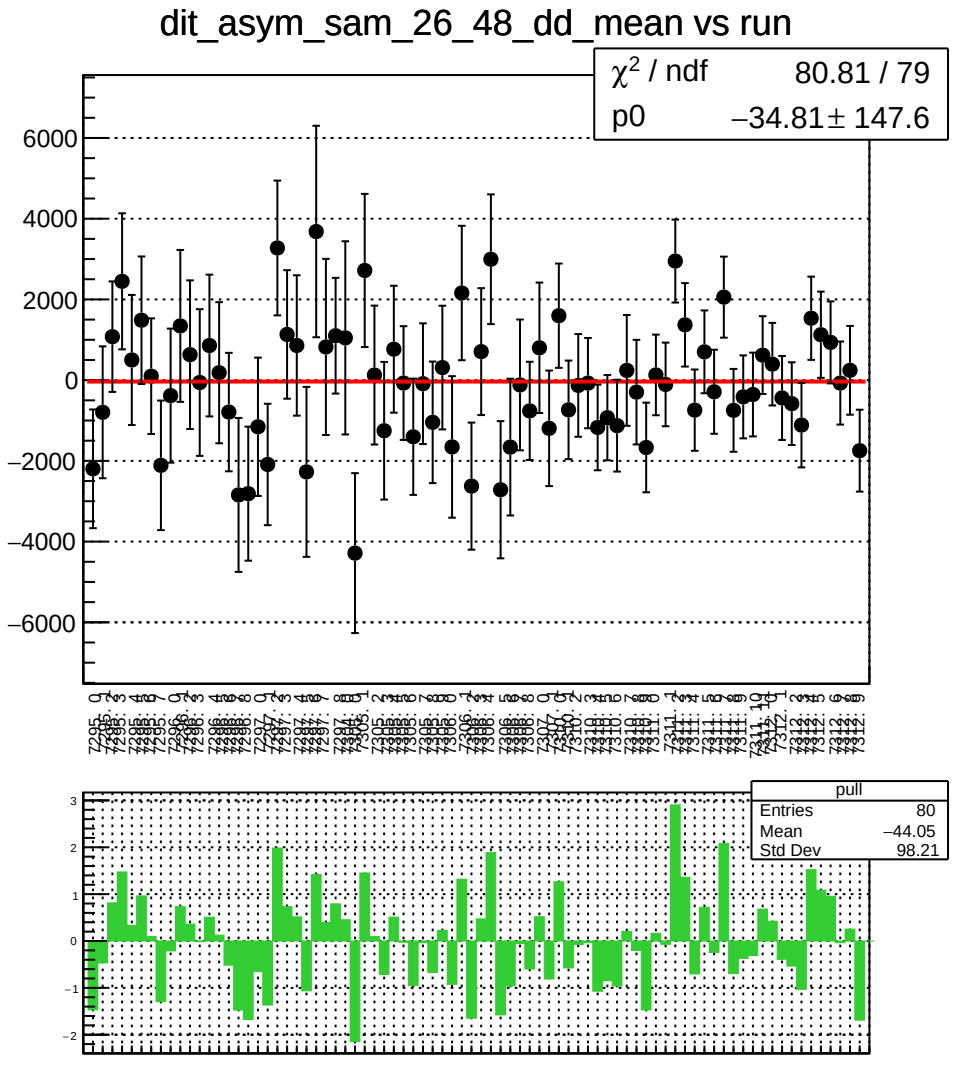

pull1D
Entries 80
Mean 0.008846
Std Dev 1.083

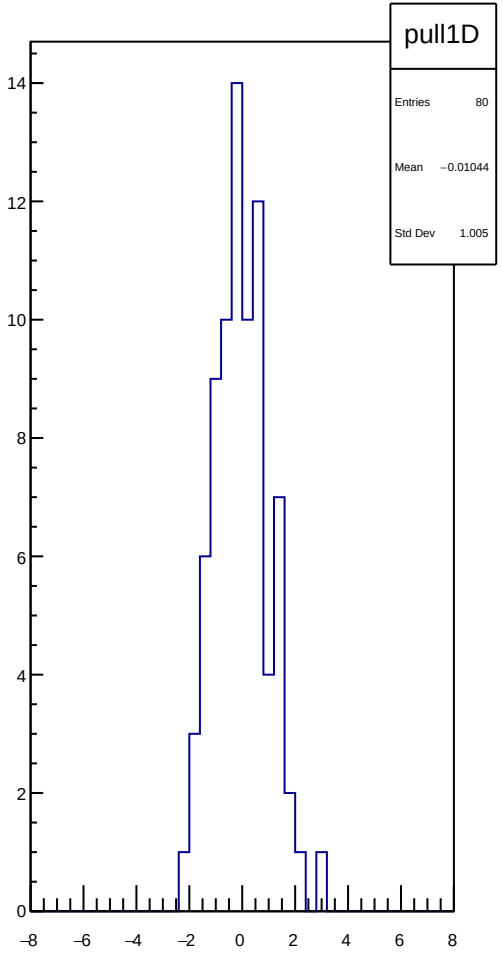

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5302 / 79
p0 800.8 ± 0.6619
950
900
850
800
750
700

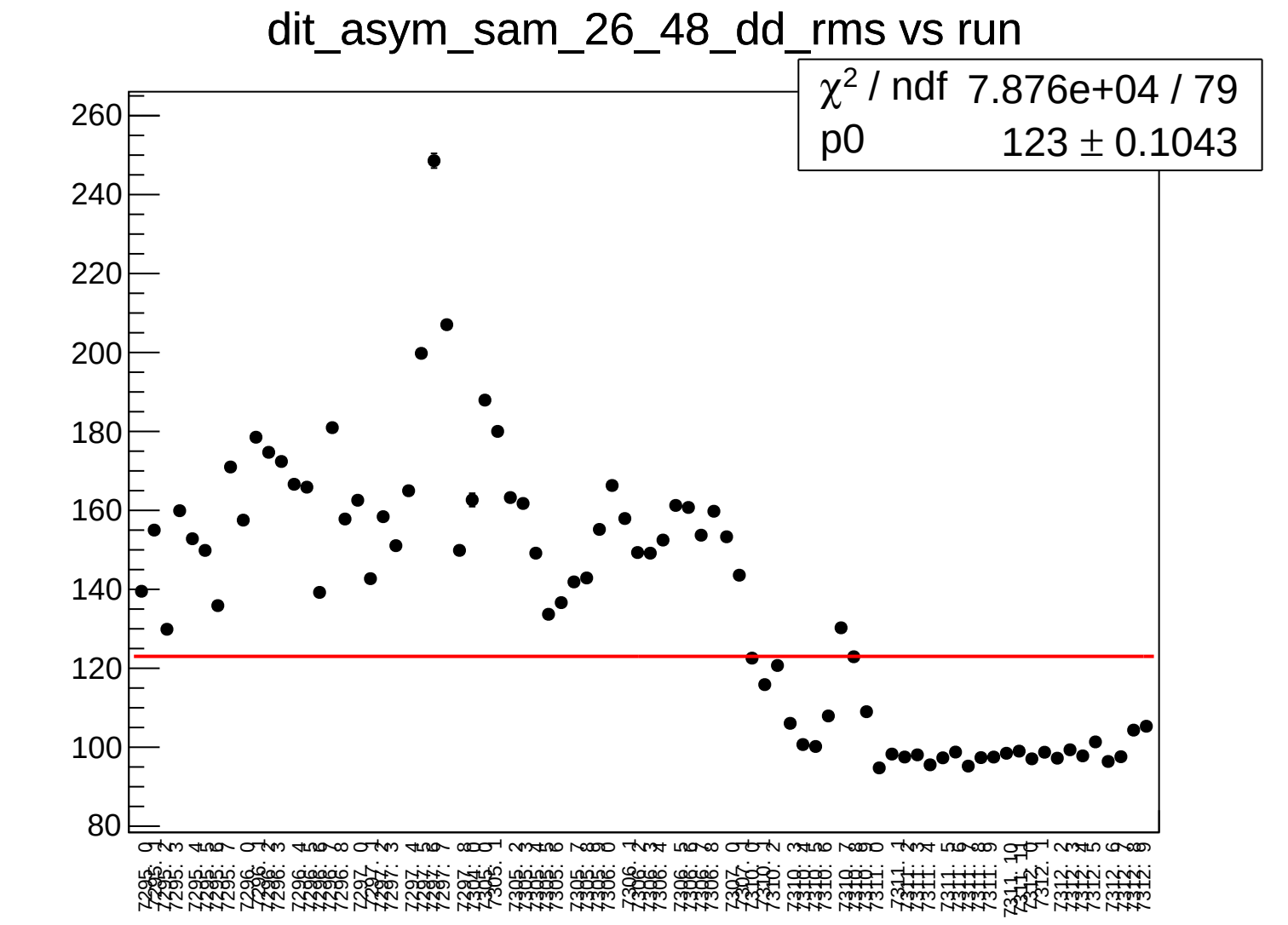

asym_sam_24_68_dd_mean vs run
χ² / ndf 94.64 / 79
p0 1004 ± 934.4
pull
Entries 80
Mean −179.3
Std Dev 223.3

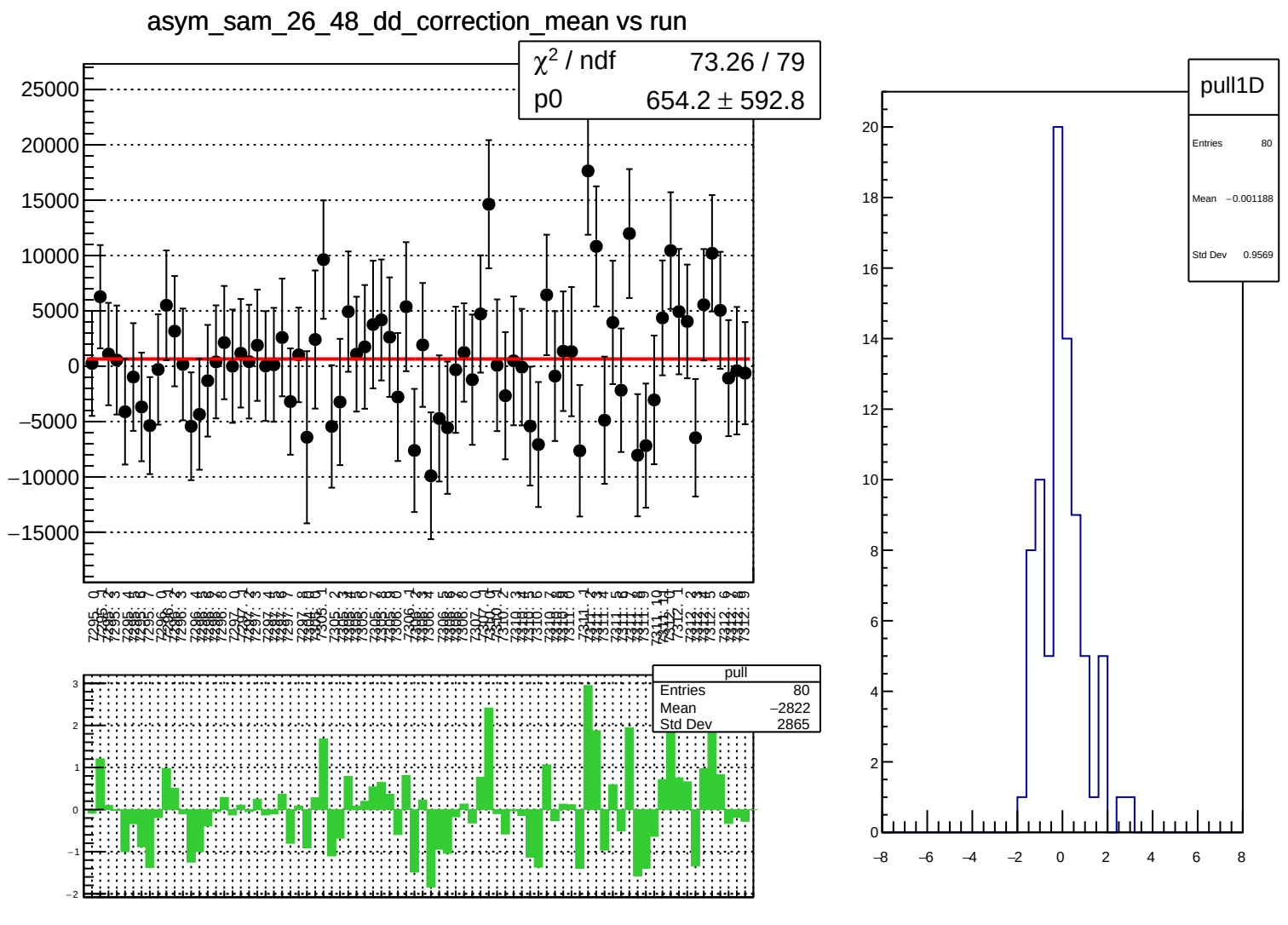

pull1D
Entries 80
Mean −0.01401
Std Dev 1.088

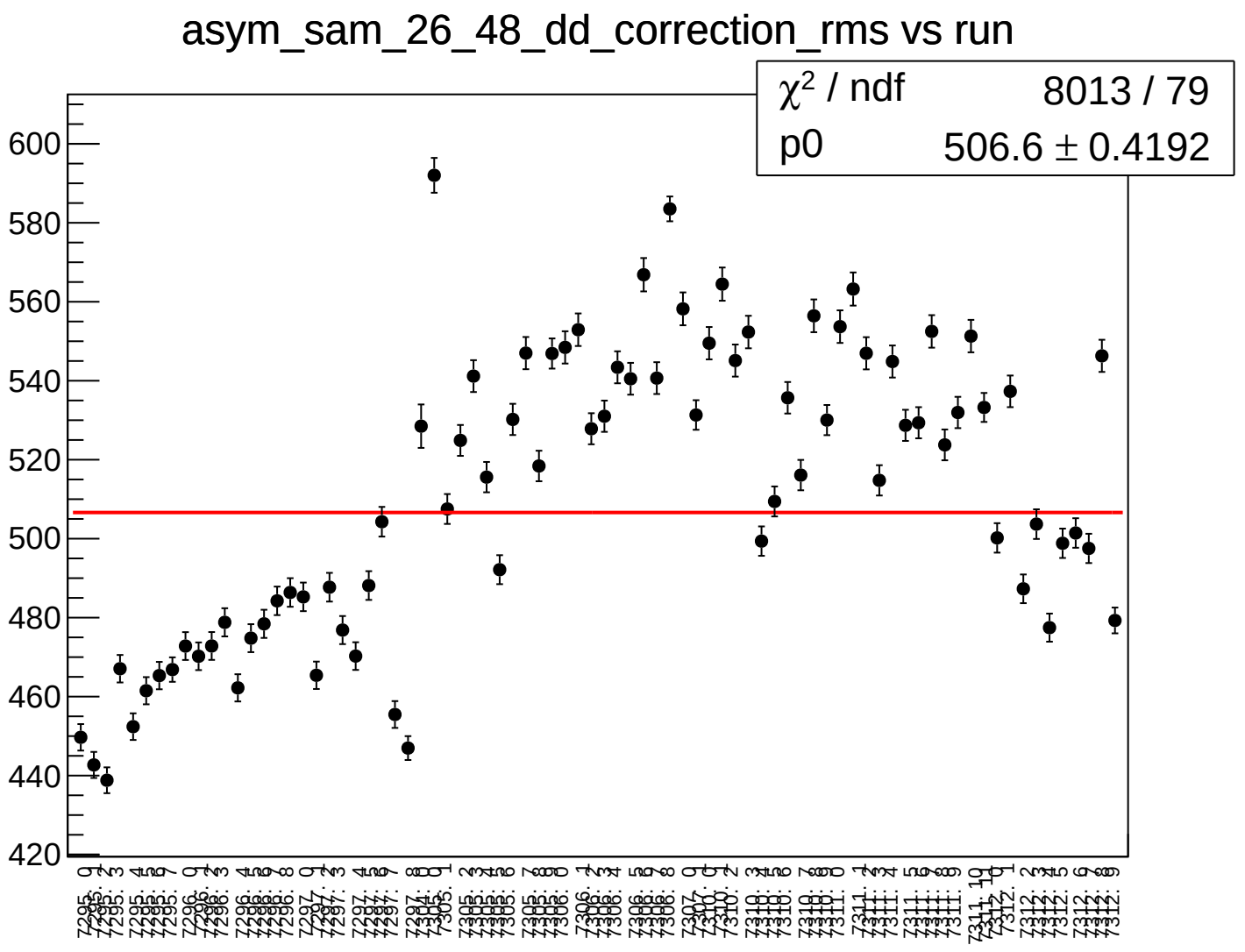

asym_sam_24_68_dd_rms vs run
χ² / ndf 6669 / 79
p0 799 ± 0.6607
1000
950
900
850
800
750
700

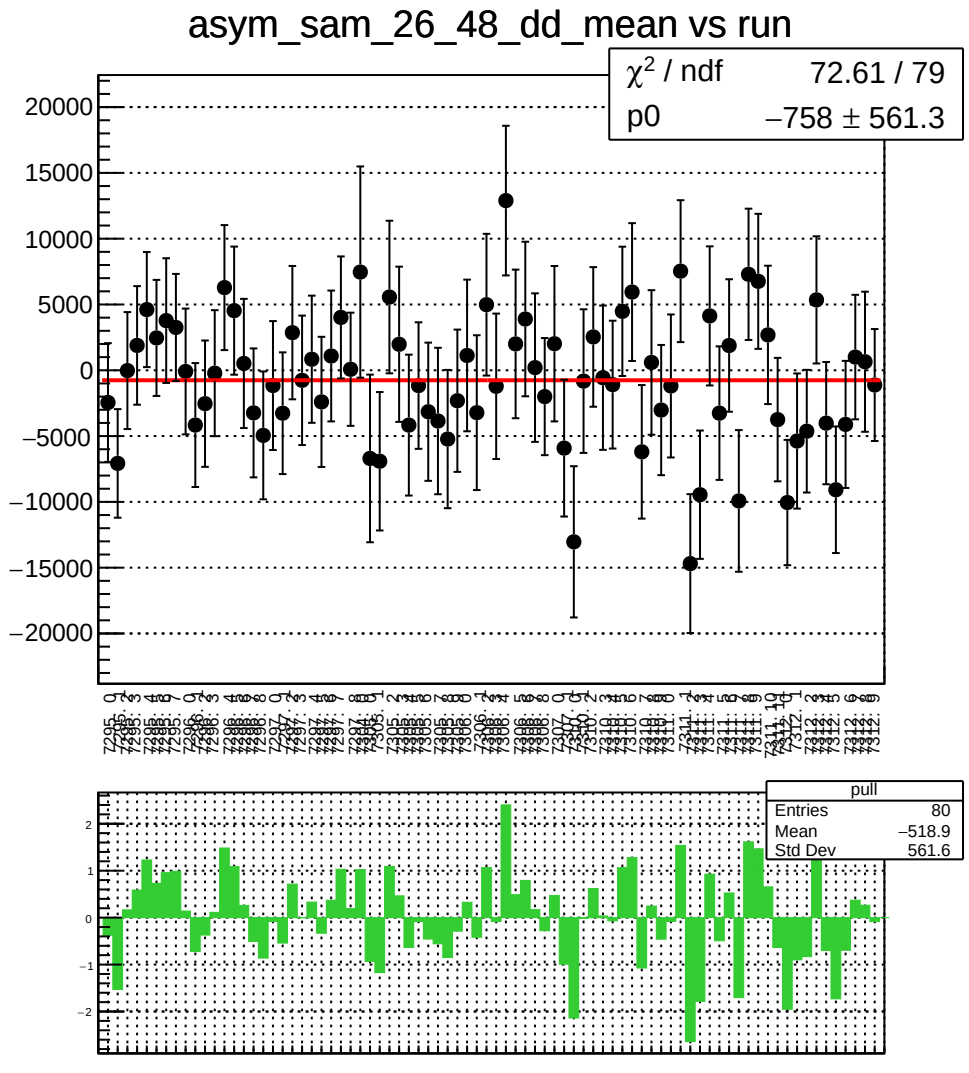

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 80.81 / 79
p0 −34.81 ± 147.6
pull
Entries 80
Mean −44.05
Std Dev 98.21

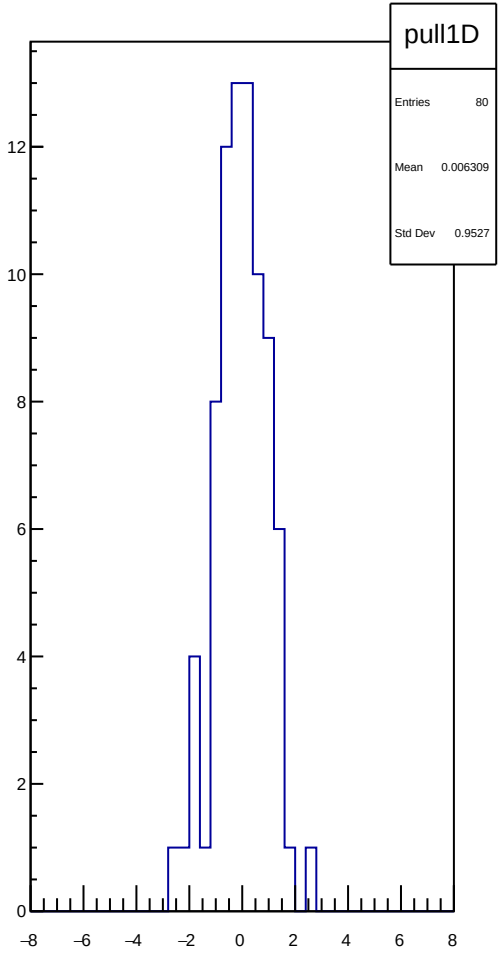

pull1D
Entries 80
Mean −0.01044
Std Dev 1.005

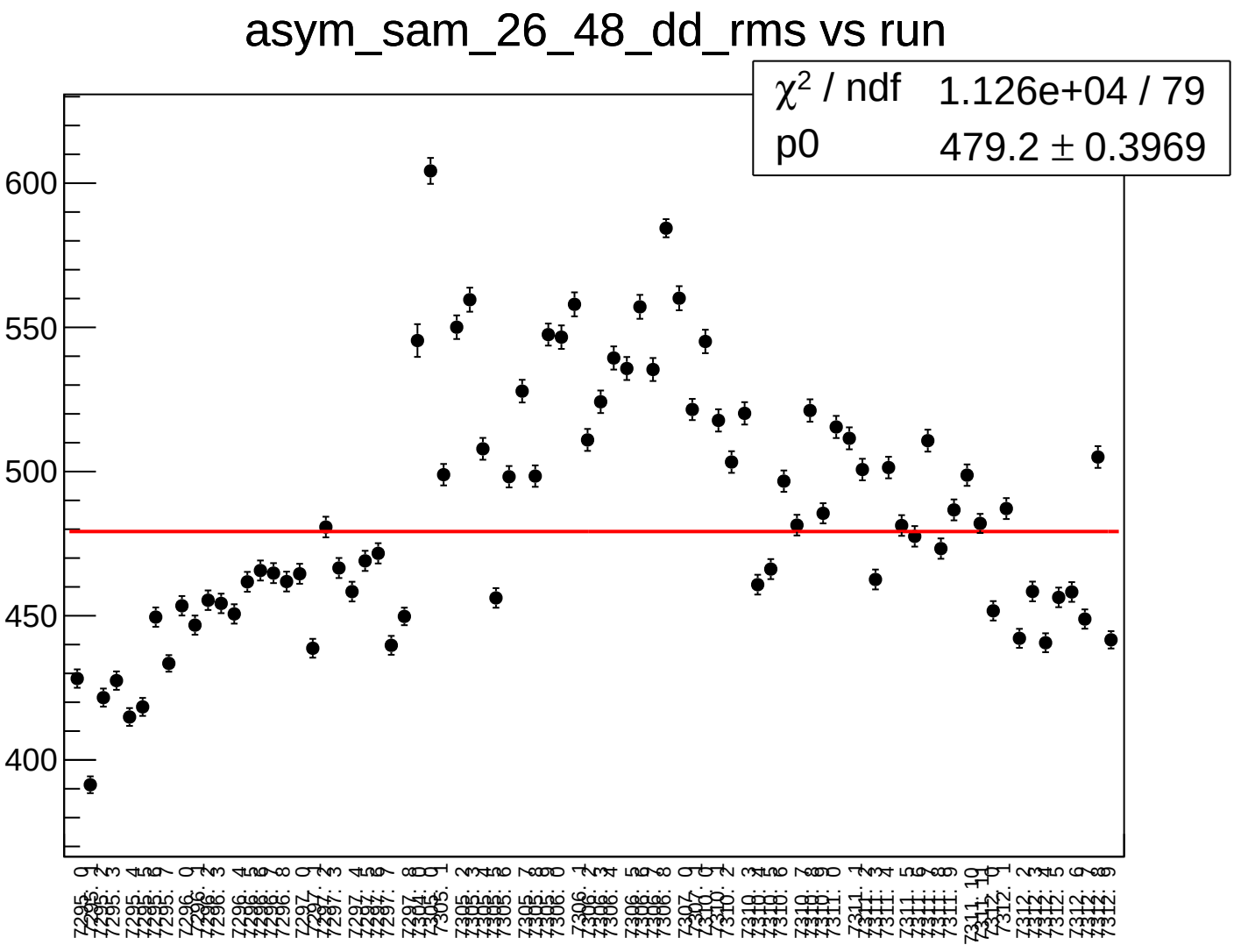

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7.876e+04 / 79
p0 123 ± 0.1043
260
240
220
200
180
160
140
120
100
80

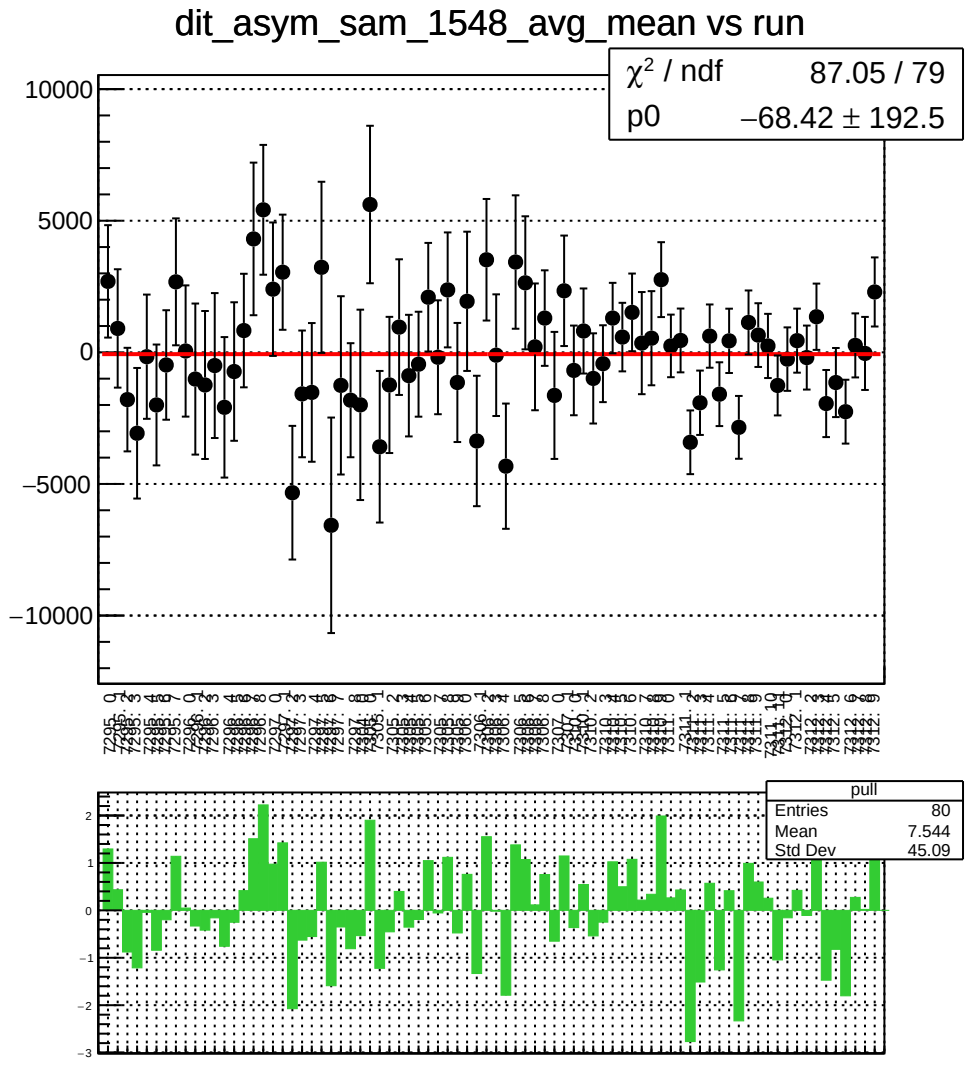

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 73.26 / 79
p0 654.2 ± 592.8
pull
Entries 80
Mean −2822
Std Dev 2865
pull1D
Entries 80
Mean −0.001188
Std Dev 0.9569

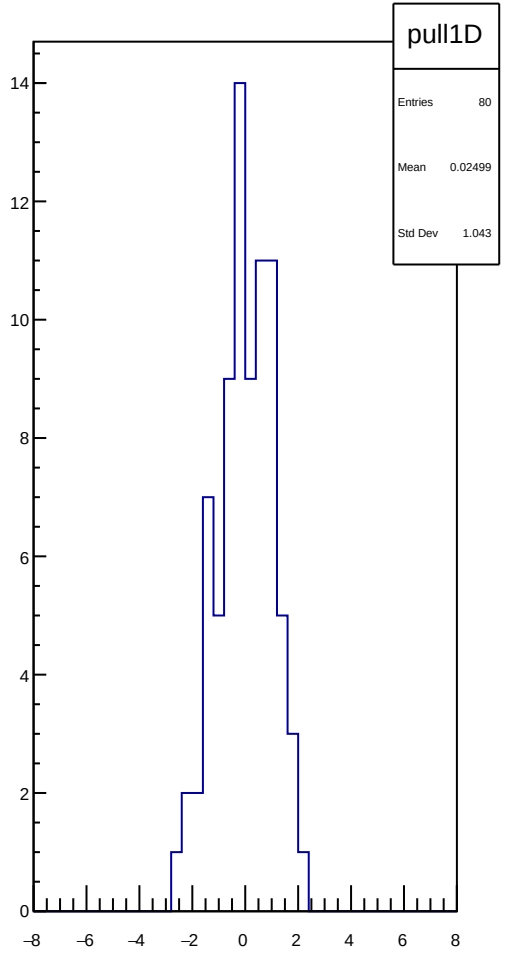

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 8013 / 79
p0 506.6 ± 0.4192
600
580
560
540
520
500
480
460
440
420

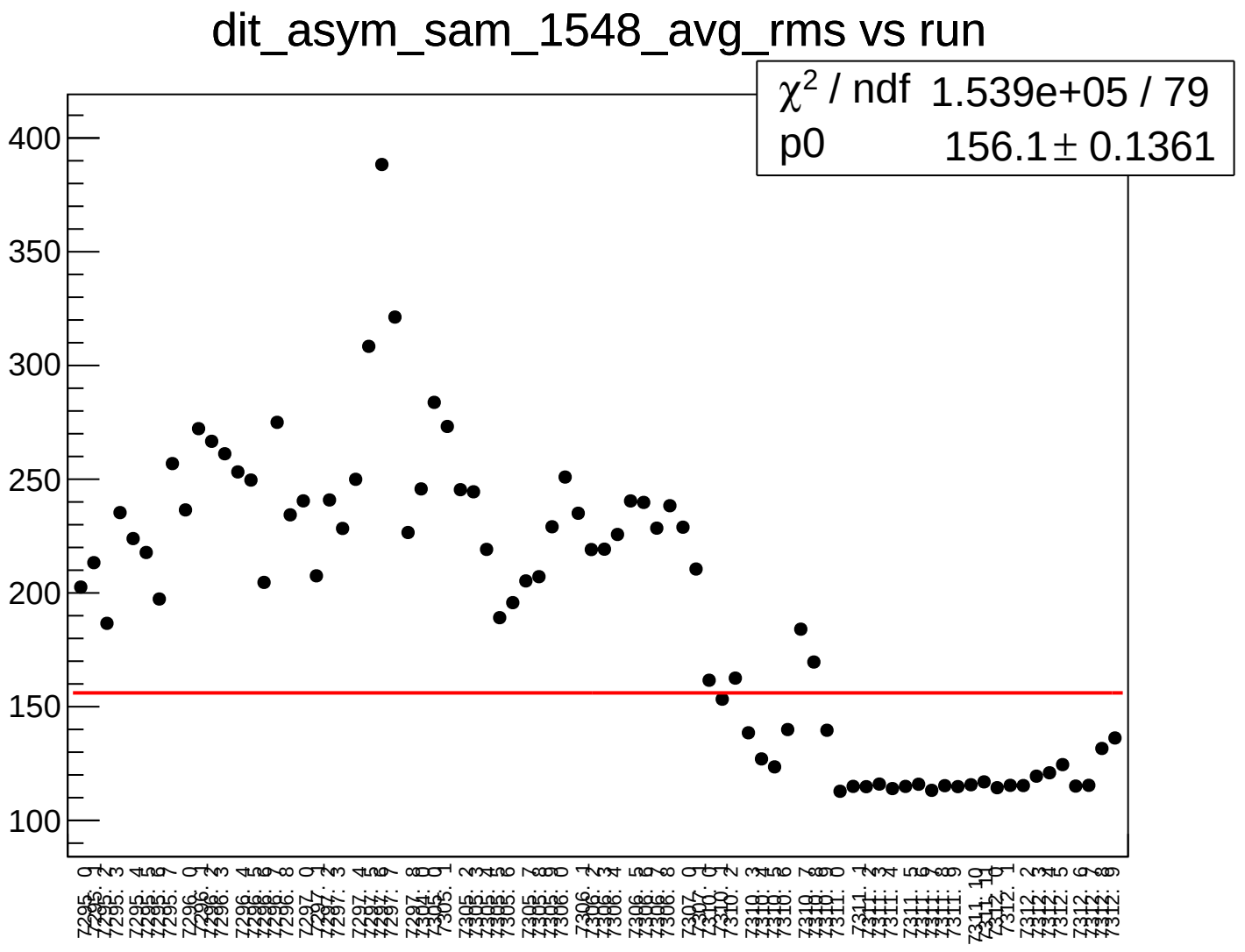

asym_sam_26_48_dd_mean vs run
χ² / ndf 72.61 / 79
p0 −758 ± 561.3
pull
Entries 80
Mean −518.9
Std Dev 561.6

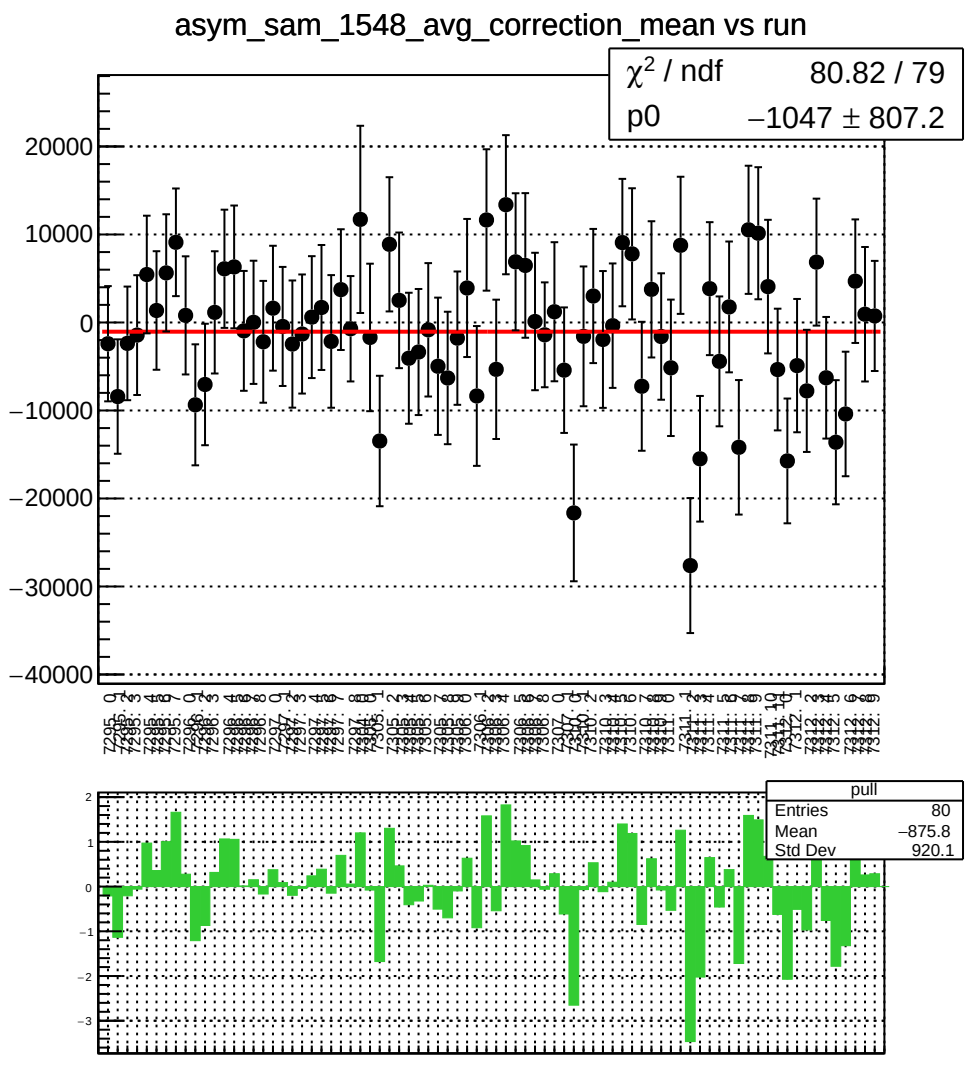

pull1D
Entries 80
Mean 0.006309
Std Dev 0.9527

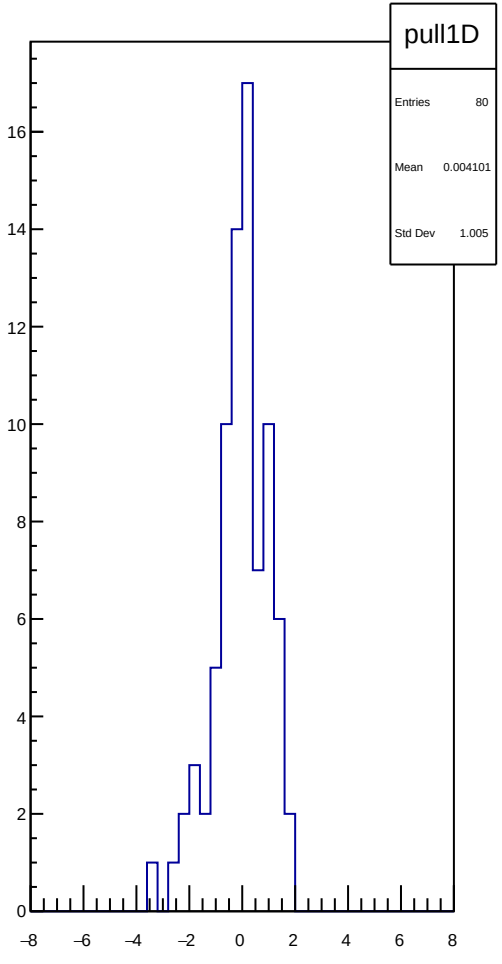

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.126e+04 / 79
p0 479.2 ± 0.3969
600
550
500
450
400

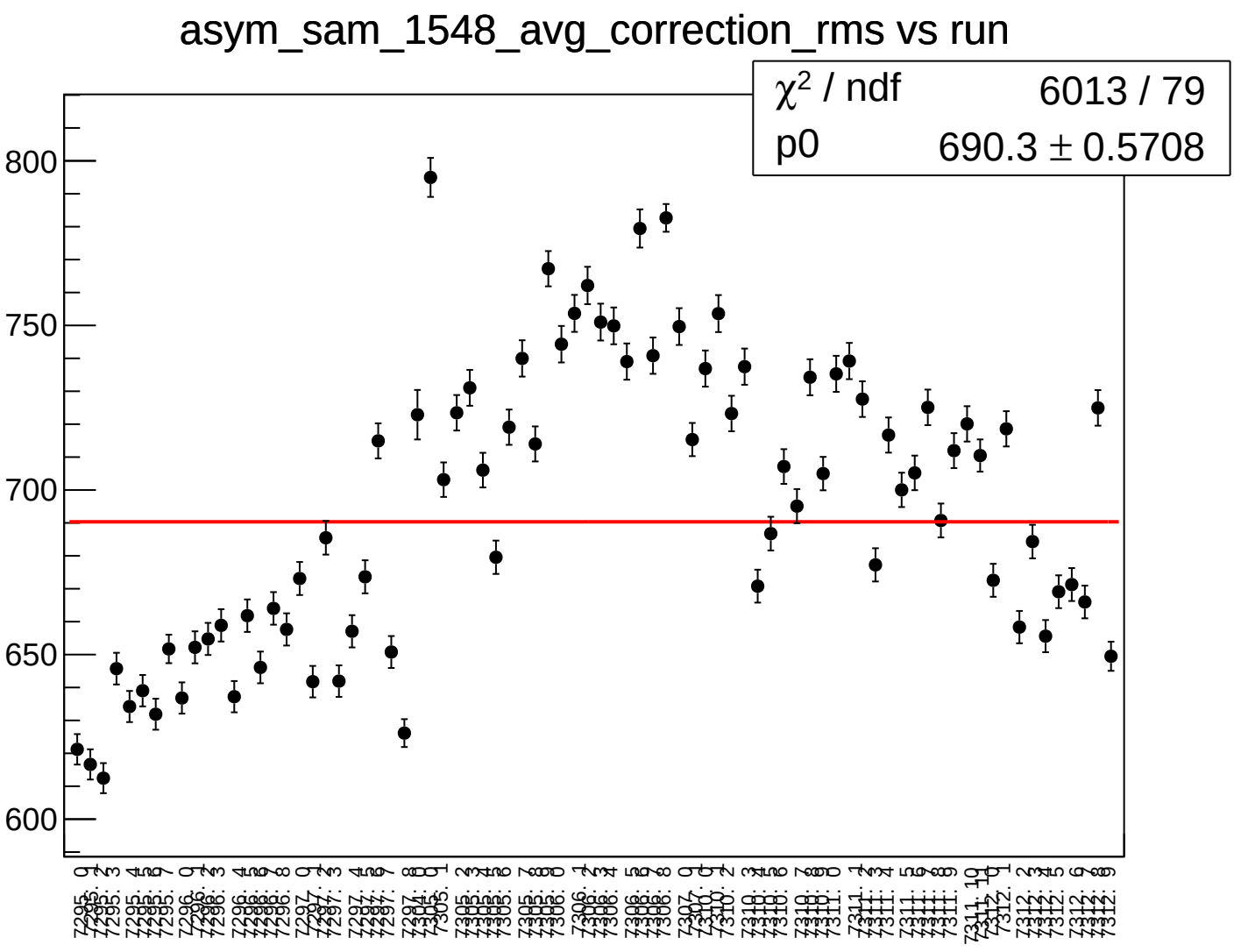

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 87.05 / 79
p0 −68.42 ± 192.5
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 7.544
Std Dev 45.09
2
1
0
−1
−2
−3

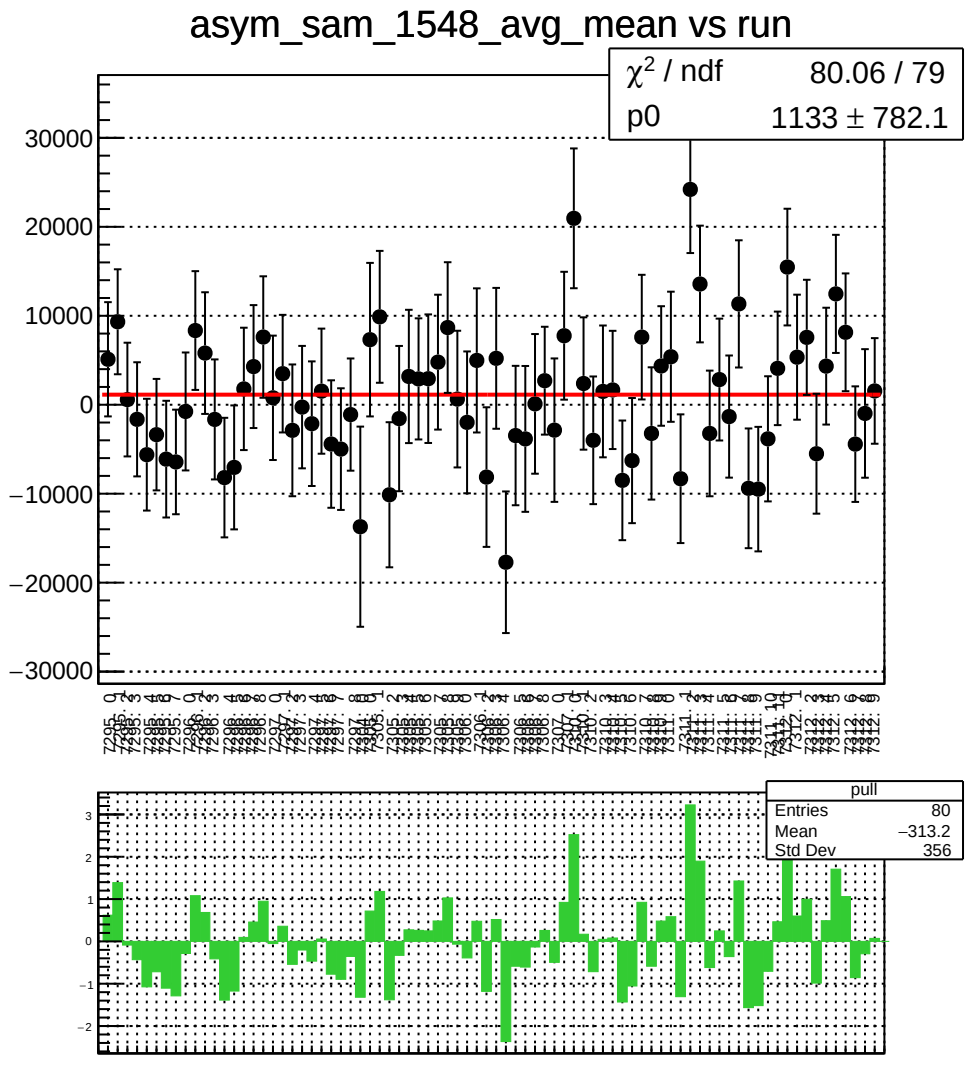

pull1D
Entries 80
Mean 0.02499
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

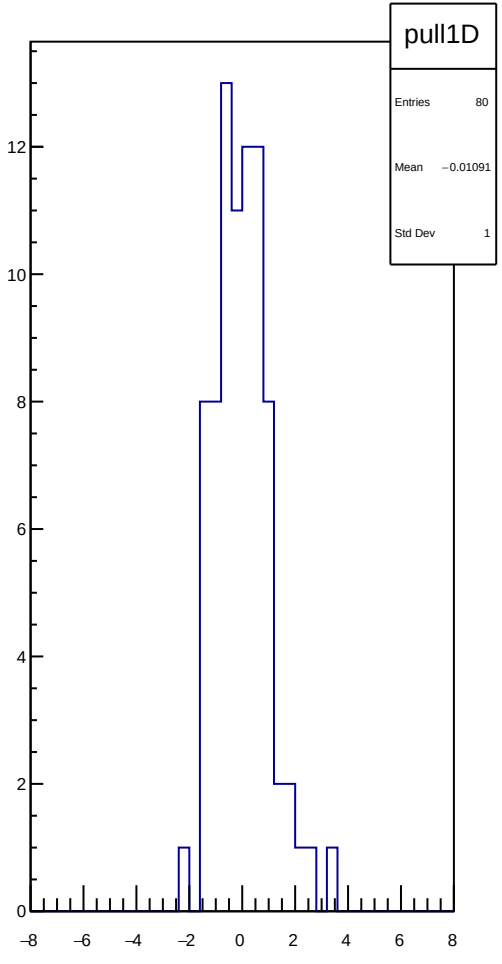

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.539e+05 / 79
p0 156.1 ± 0.1361
400
350
300
250
200
150
100

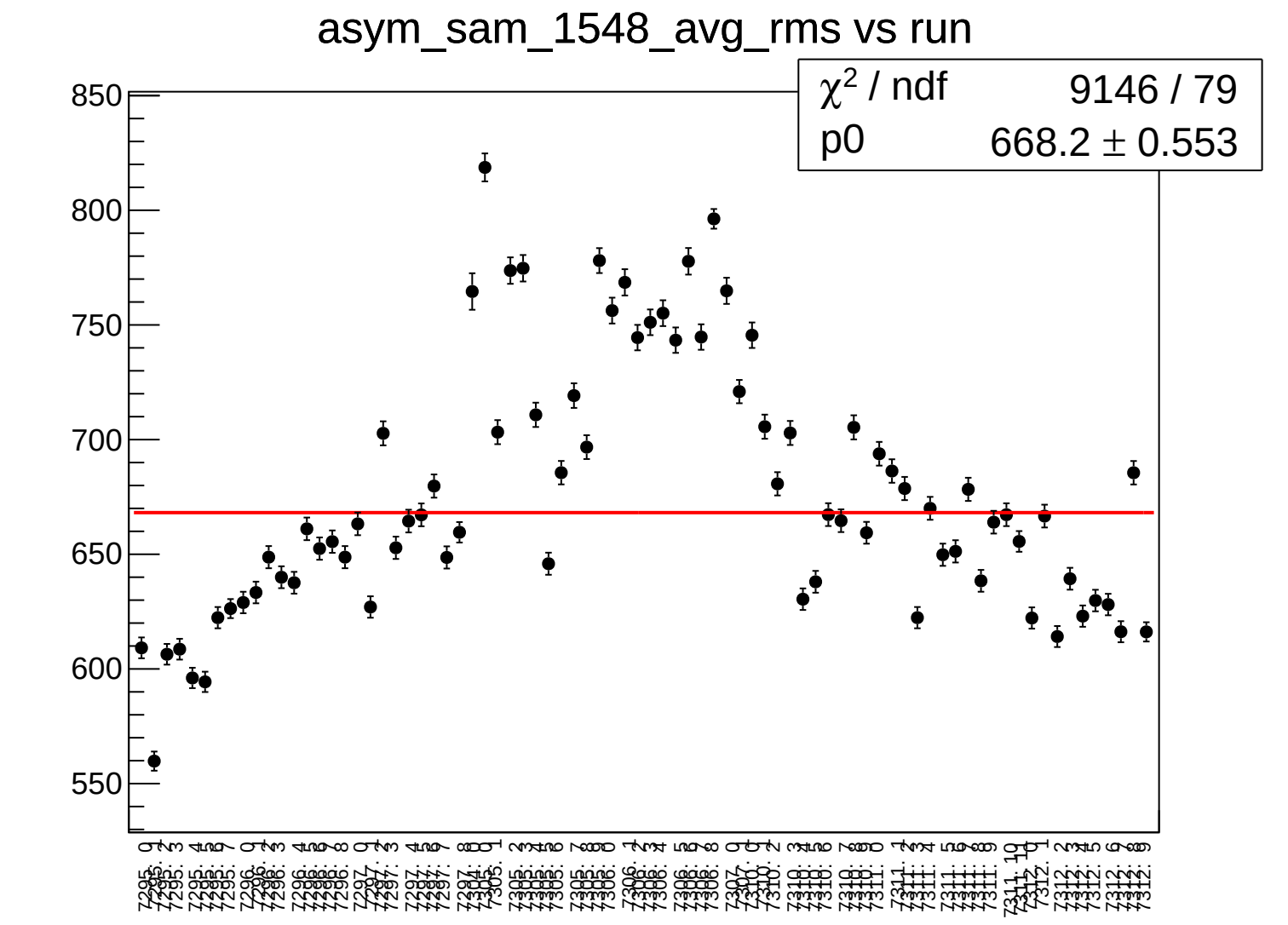

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.82 / 79
p0 −1047 ± 807.2
pull
Entries 80
Mean −875.8
Std Dev 920.1

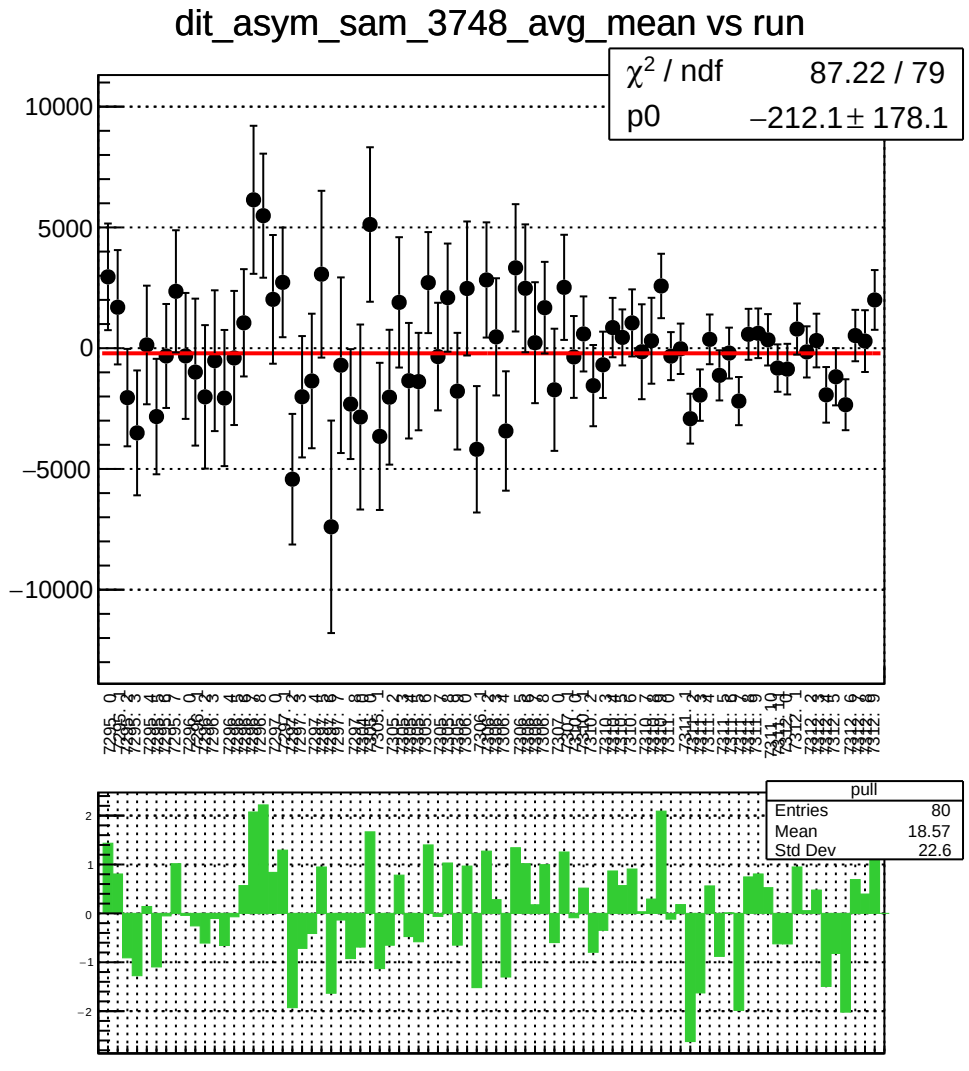

pull1D
Entries 80
Mean 0.004101
Std Dev 1.005

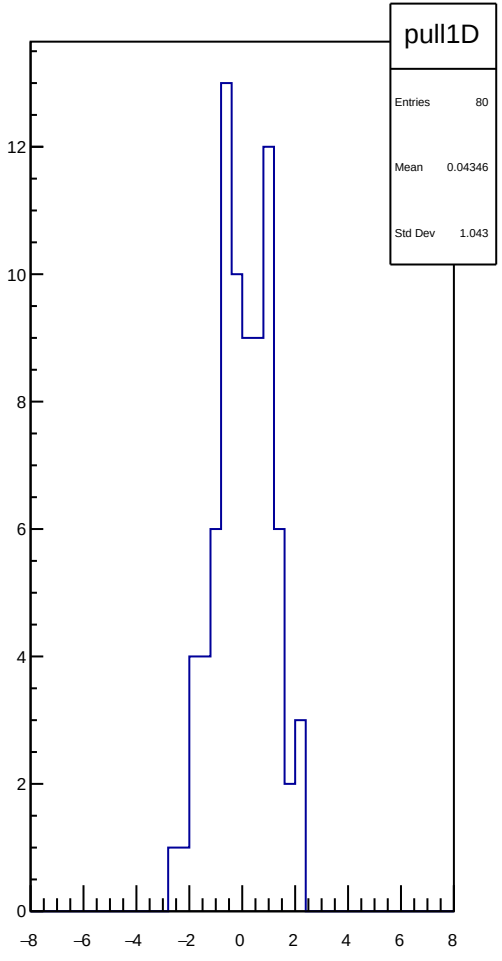

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 6013 / 79
p0 690.3 ± 0.5708
800
750
700
650
600

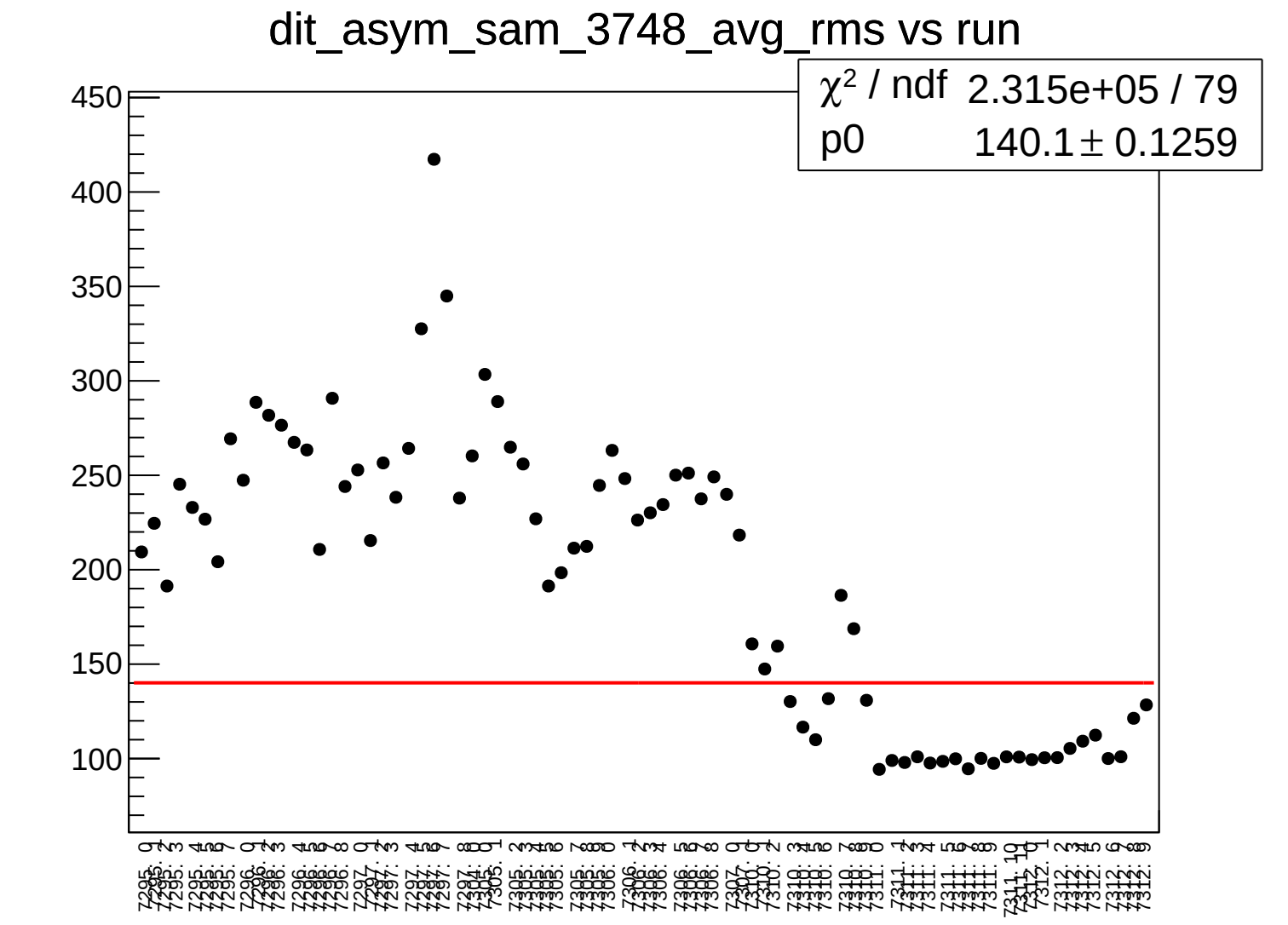

asym_sam_1548_avg_mean vs run
χ^2 / ndf 80.06 / 79
p0 1133 ± 782.1
pull
Entries 80
Mean −313.2
Std Dev 356

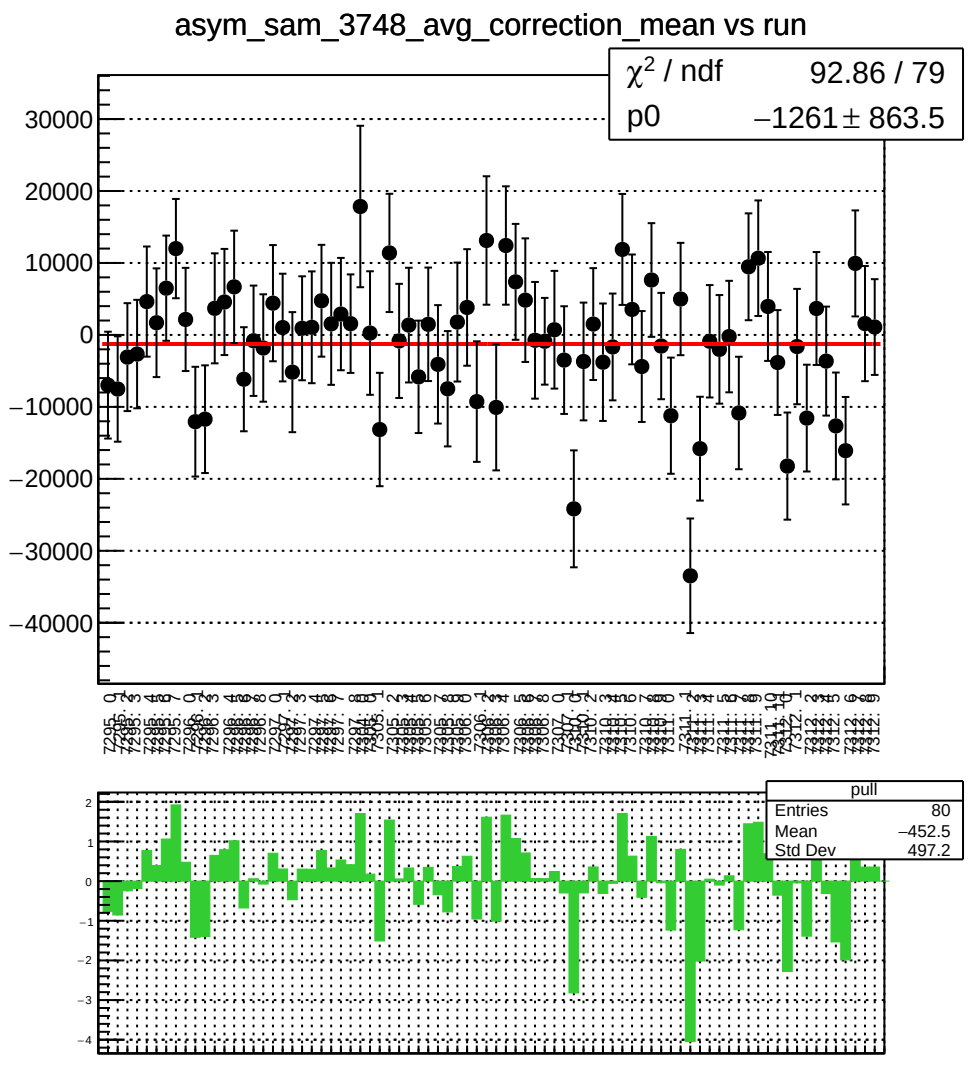

pull1D
Entries 80
Mean −0.01091
Std Dev 1

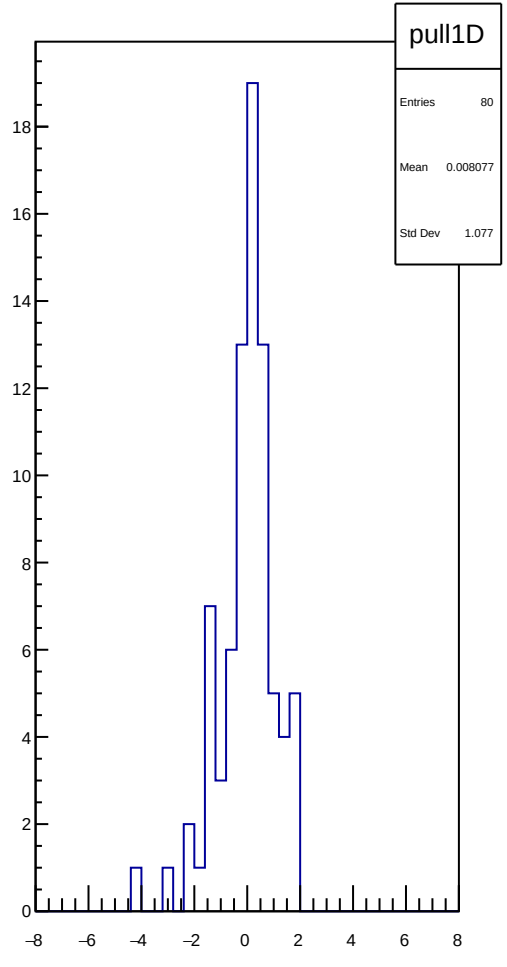

asym_sam_1548_avg_rms vs run
χ² / ndf 9146 / 79
p0 668.2 ± 0.553
850
800
750
700
650
600
550

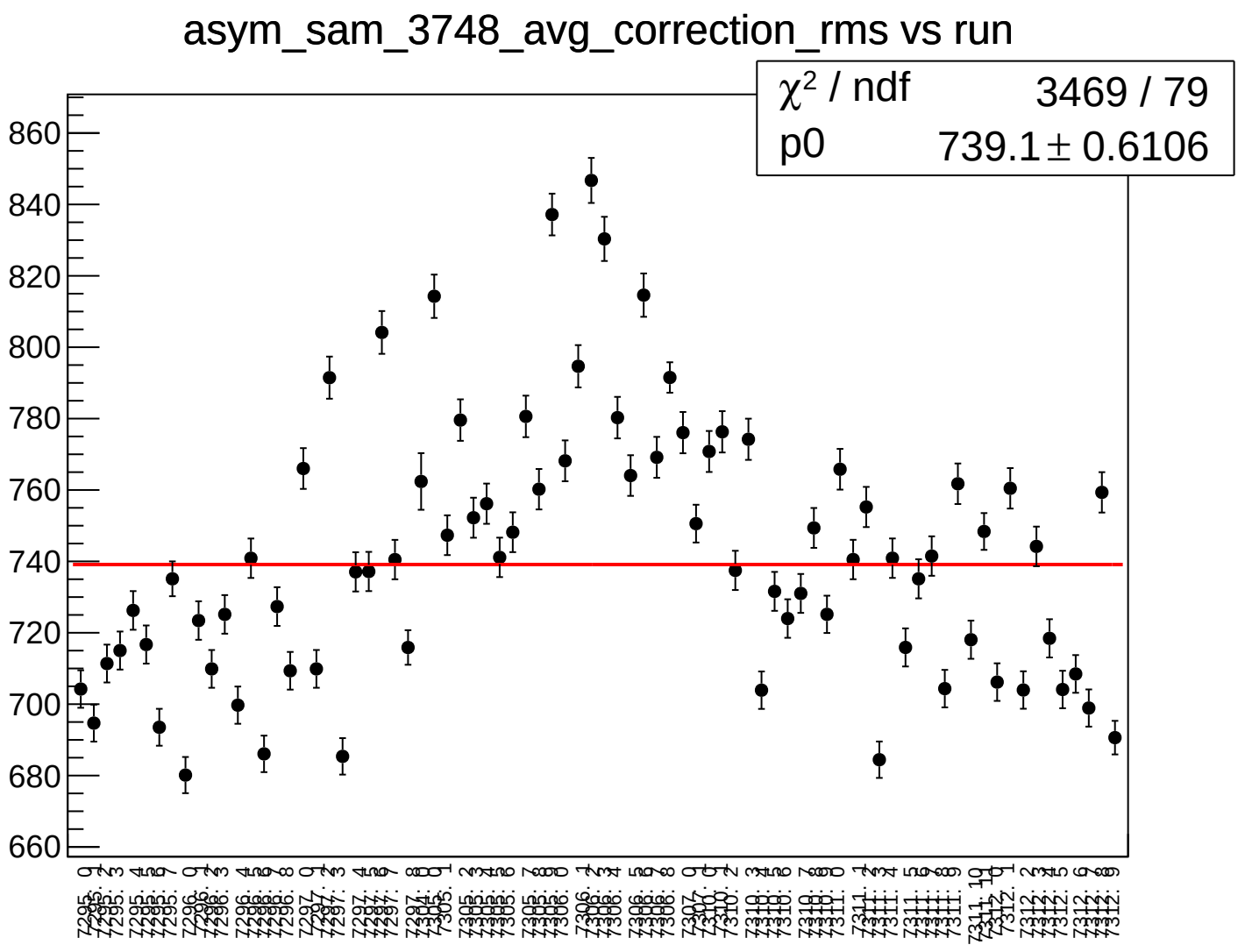

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 87.22 / 79
p0 −212.1 ± 178.1
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 18.57
Std Dev 22.6
2
1
0
−1
−2

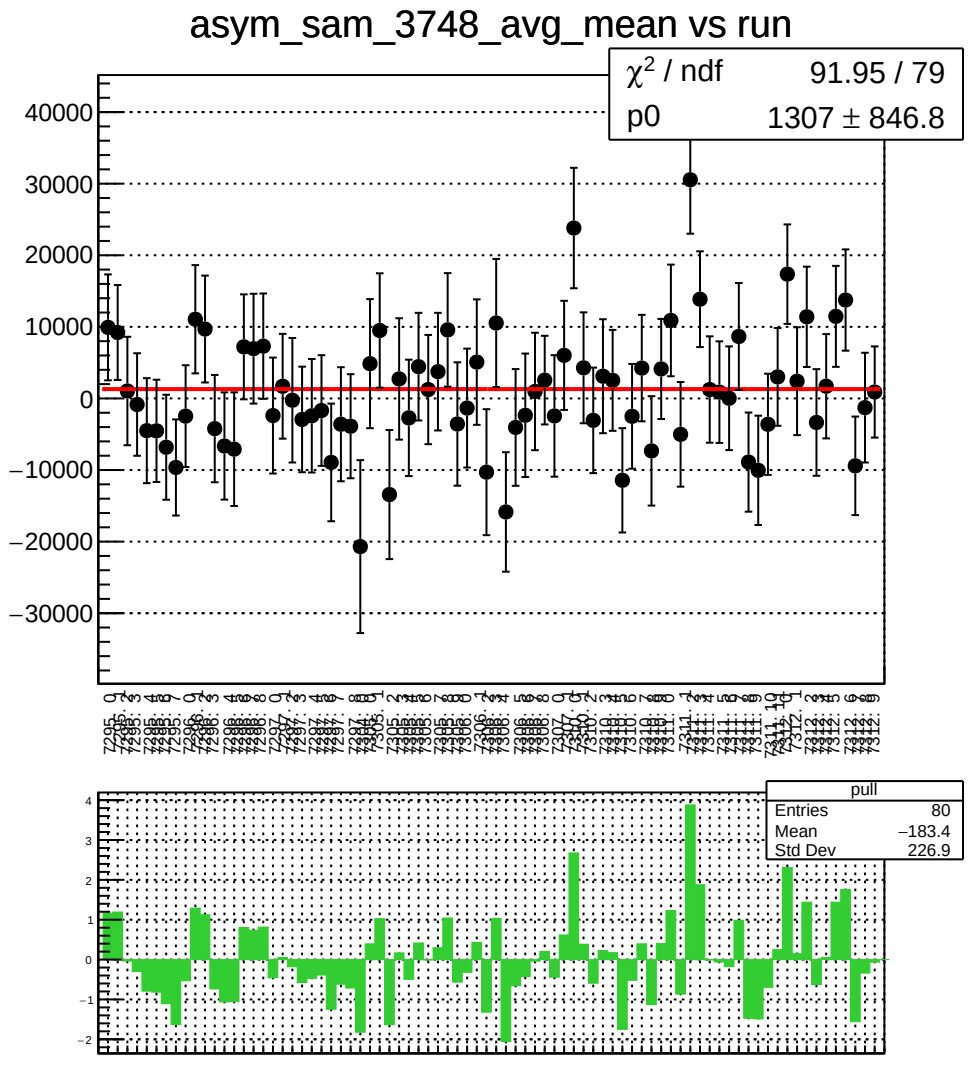

pull1D
Entries 80
Mean 0.04346
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

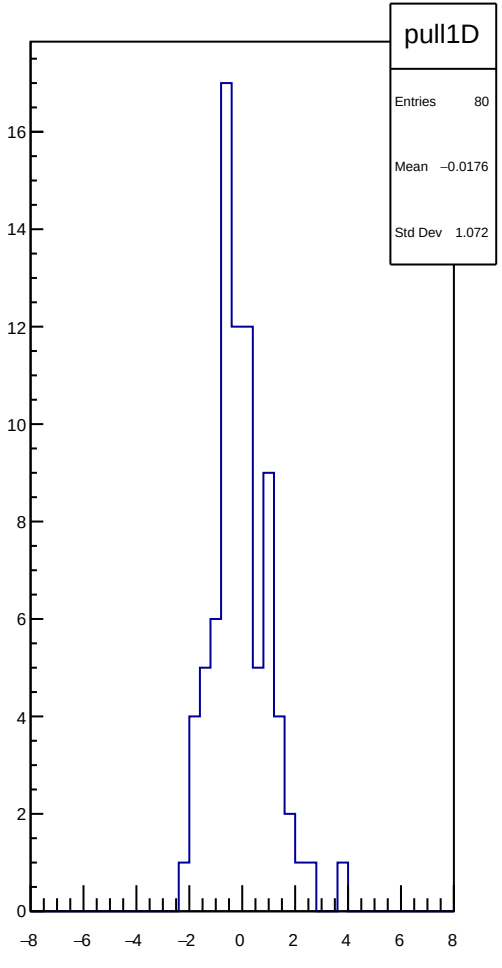

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.315e+05 / 79
p0 140.1 ± 0.1259
450
400
350
300
250
200
150
100

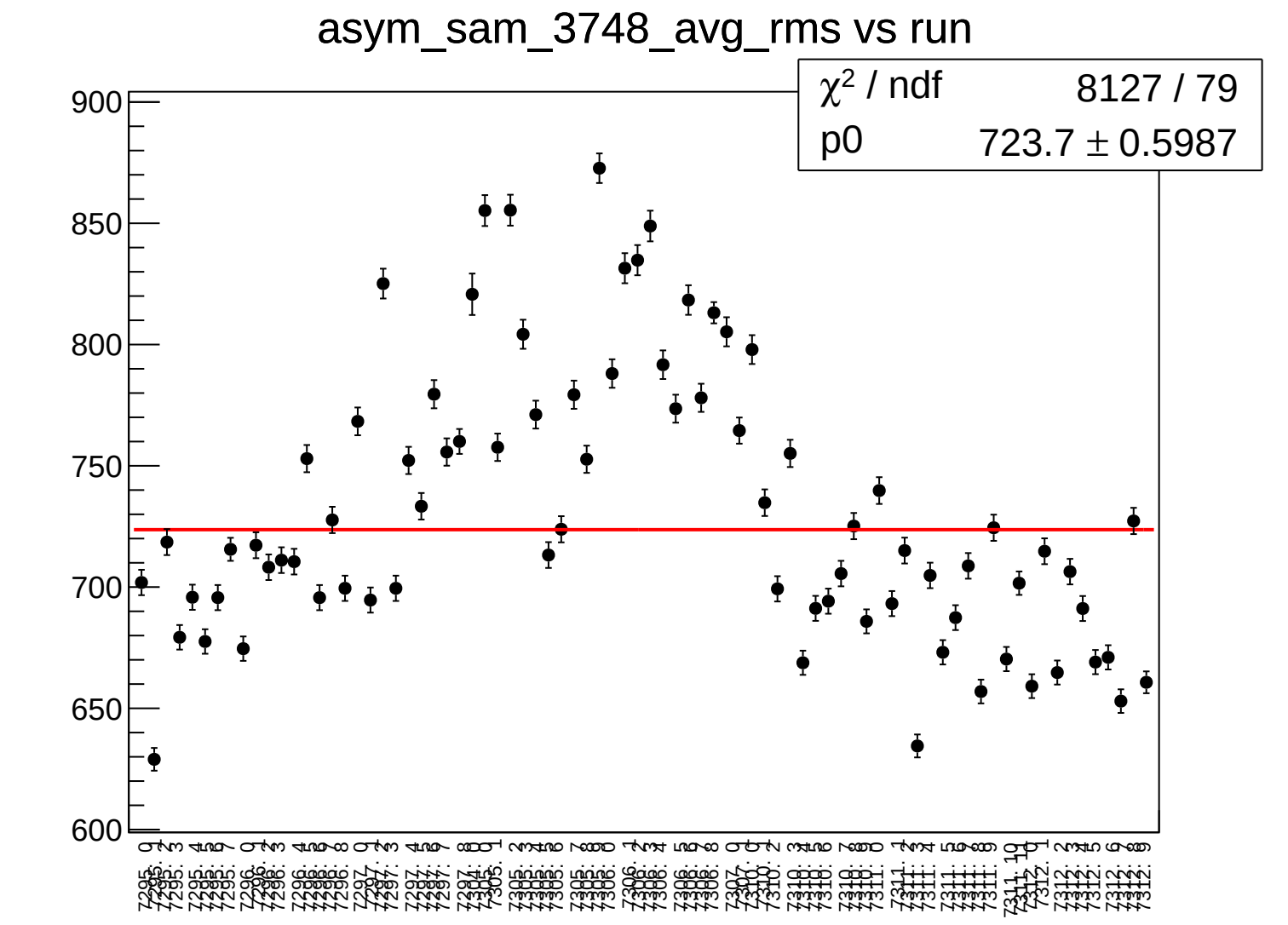

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 92.86 / 79
p0 −1261 ± 863.5
pull
Entries 80
Mean −452.5
Std Dev 497.2

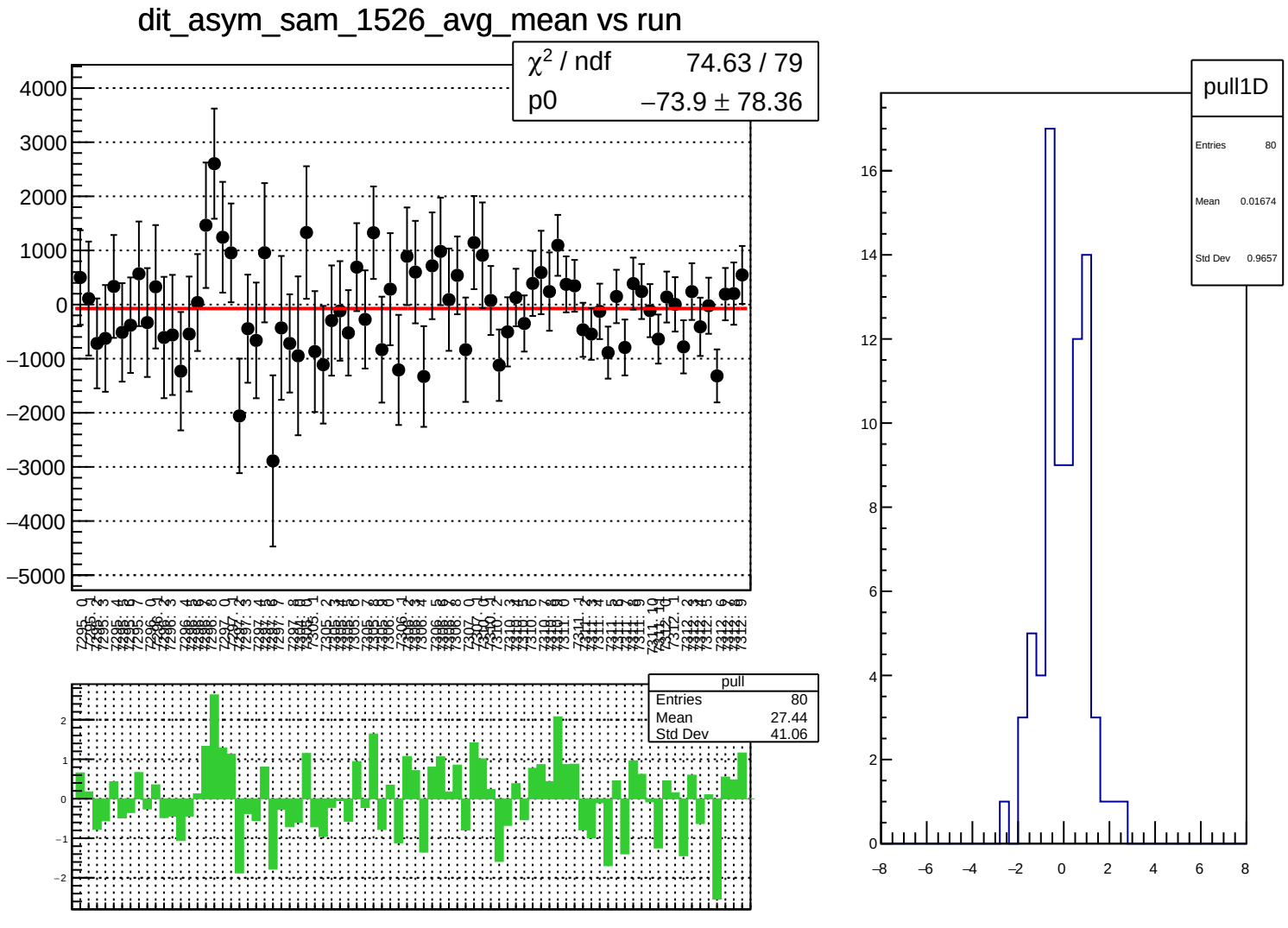

pull1D
Entries 80
Mean 0.008077
Std Dev 1.077

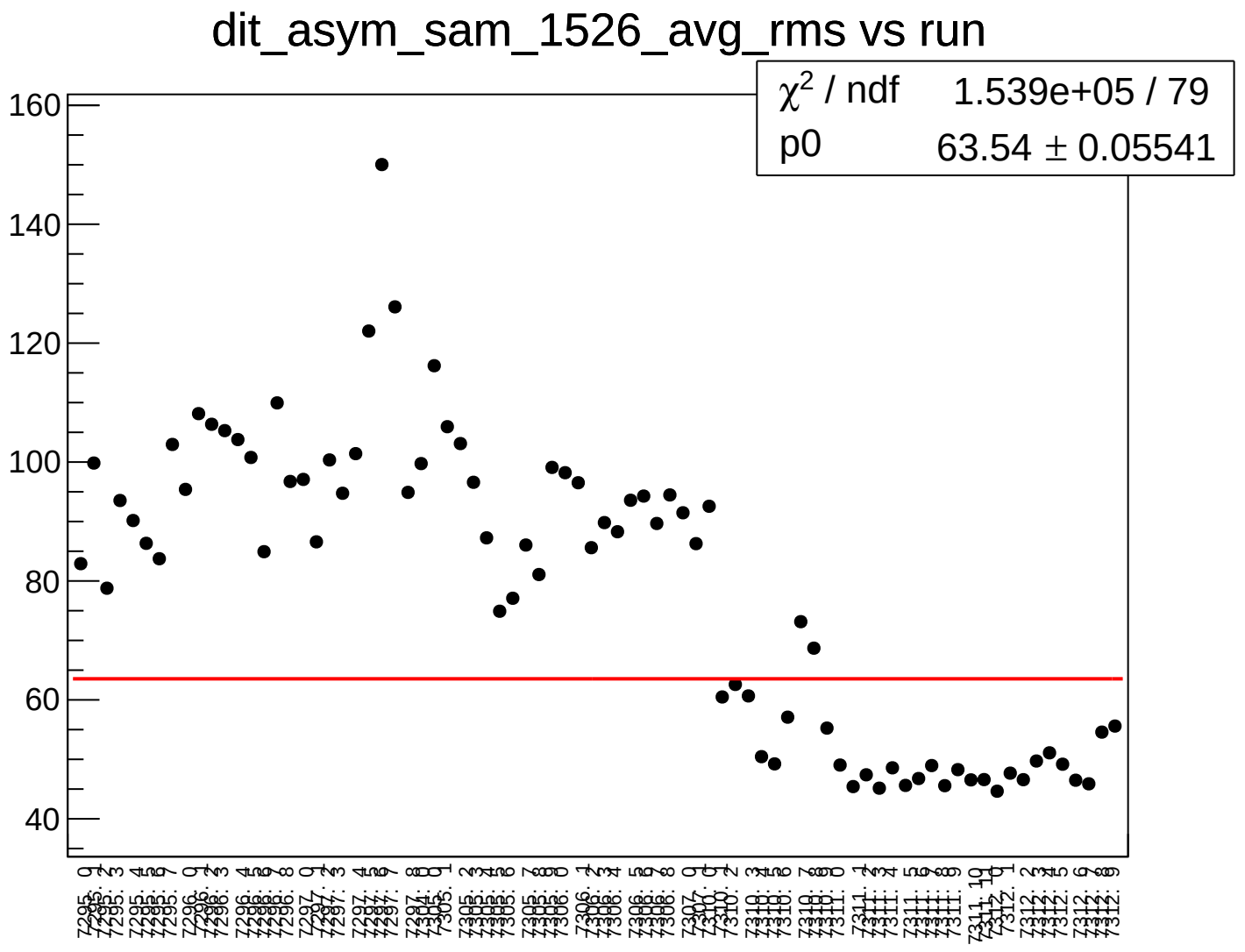

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3469 / 79
p0 739.1 ± 0.6106
860
840
820
800
780
760
740
720
700
680
660

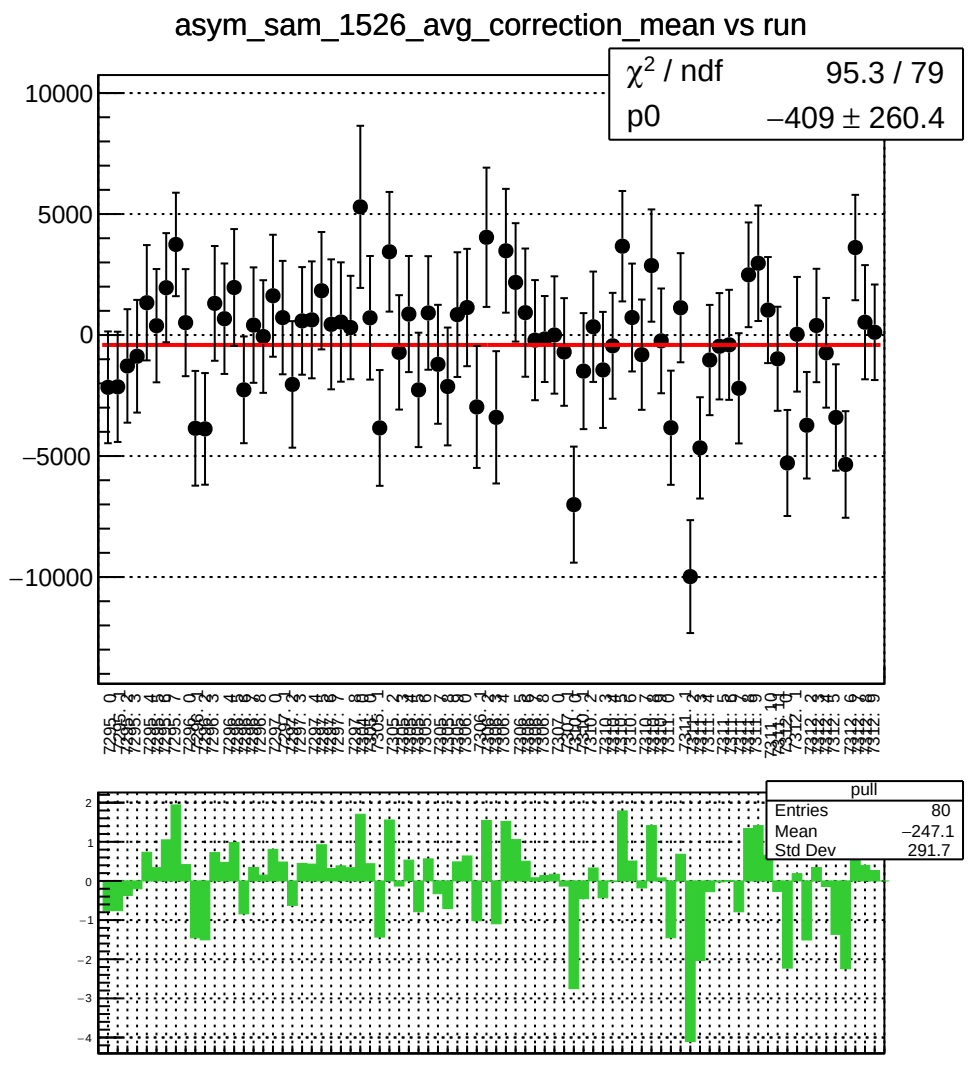

asym_sam_3748_avg_mean vs run
χ² / ndf 91.95 / 79
p0 1307 ± 846.8
pull
Entries 80
Mean −183.4
Std Dev 226.9

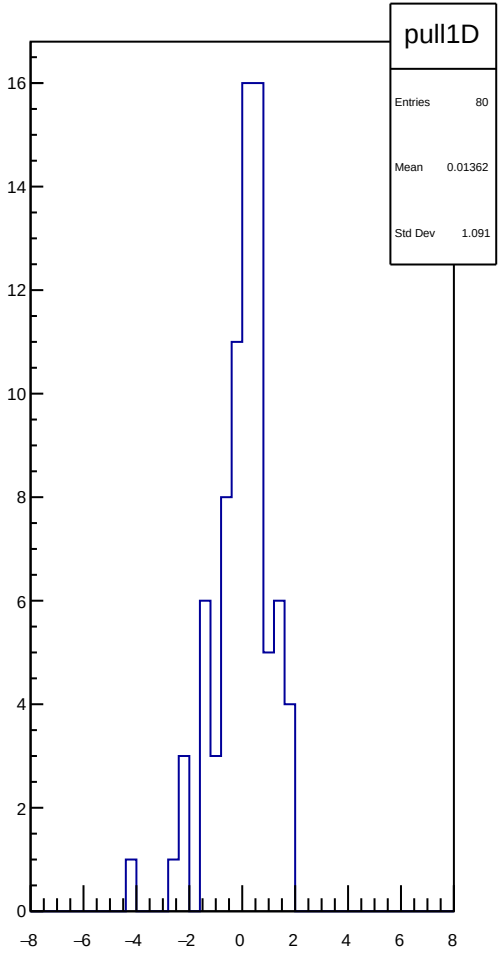

pull1D
Entries 80
Mean −0.0176
Std Dev 1.072

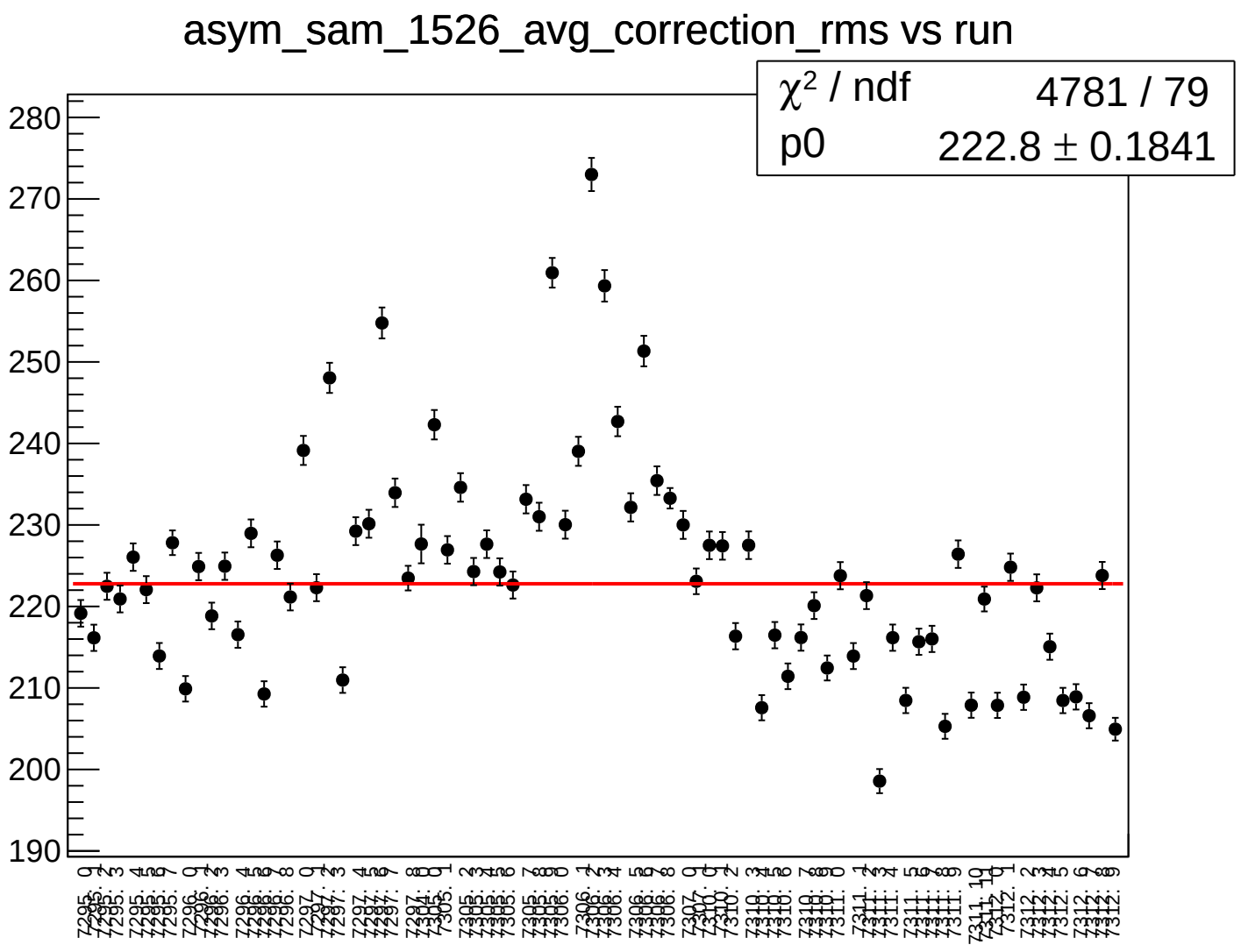

asym_sam_3748_avg_rms vs run
χ² / ndf 8127 / 79
p0 723.7 ± 0.5987
900
850
800
750
700
650
600

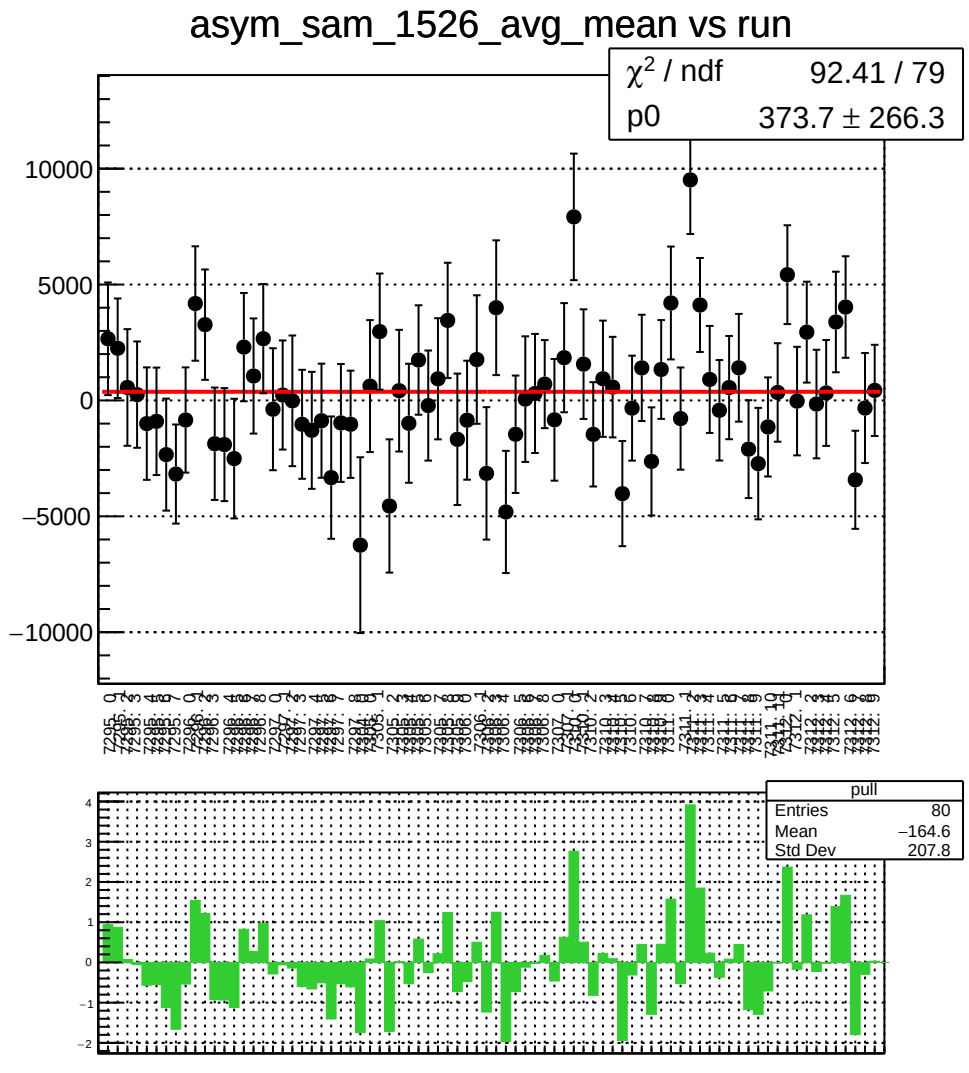

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 74.63 / 79
p0 −73.9 ± 78.36
pull
Entries 80
Mean 27.44
Std Dev 41.06
pull1D
Entries 80
Mean 0.01674
Std Dev 0.9657

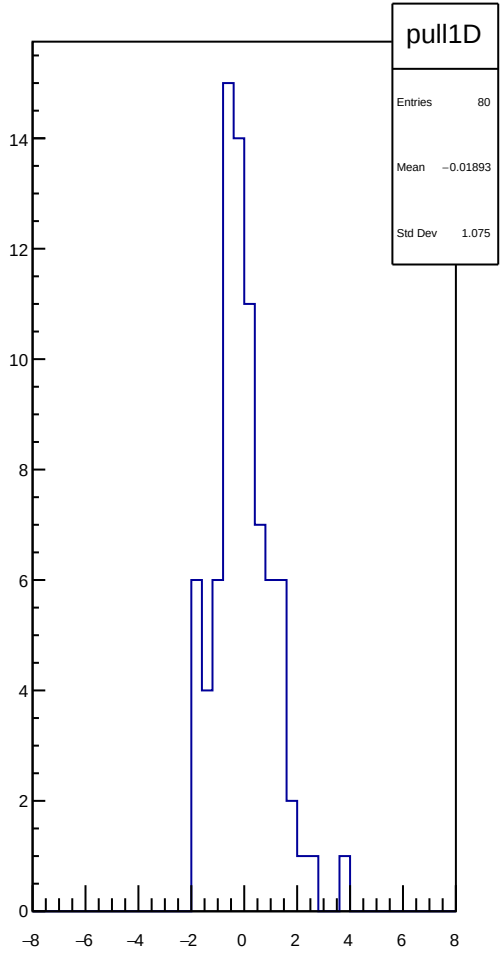

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.539e+05 / 79
p0 63.54 ± 0.05541
160
140
120
100
80
60
40

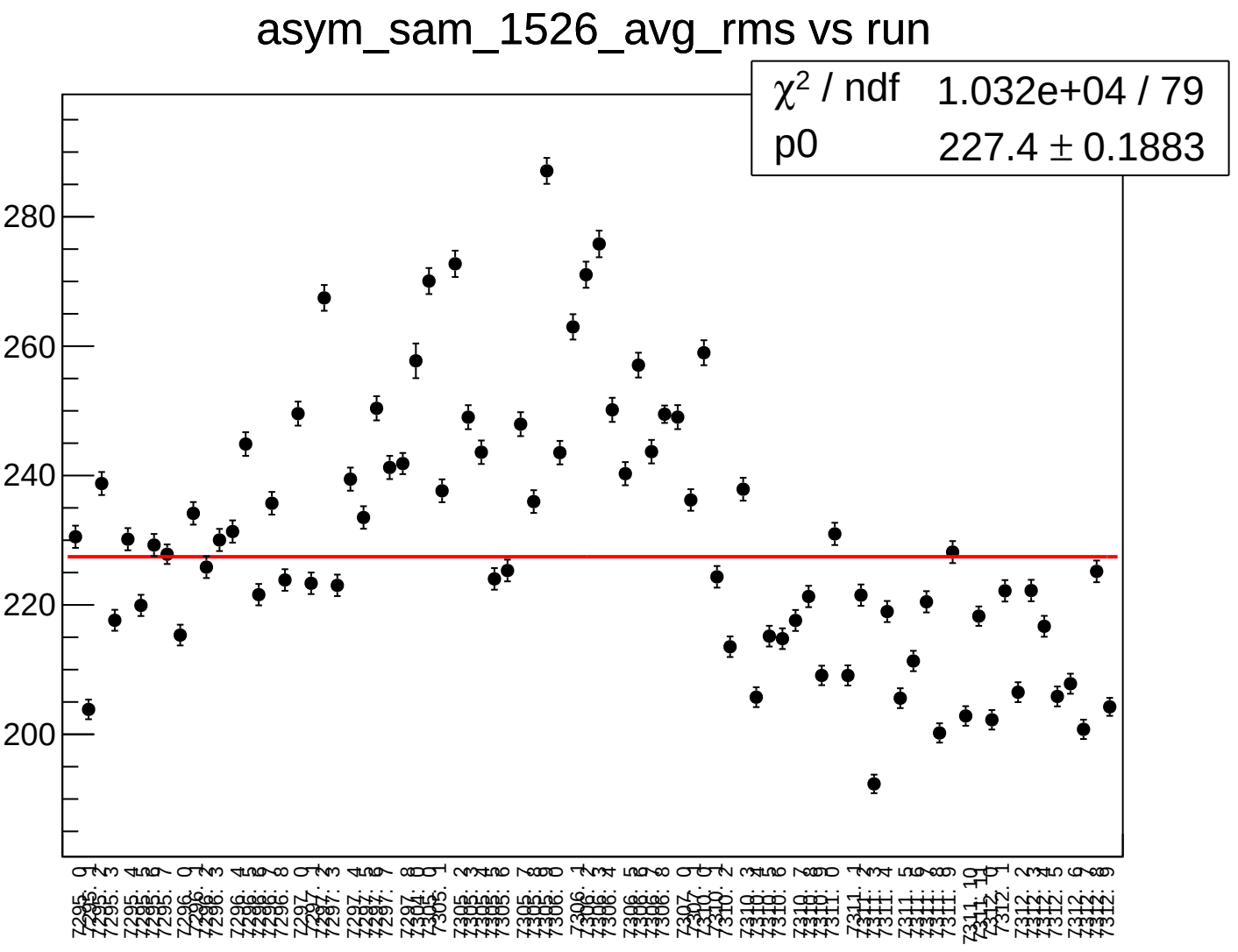

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 95.3 / 79
p0 −409 ± 260.4
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −247.1
Std Dev 291.7
2
1
0
−1
−2
−3
−4

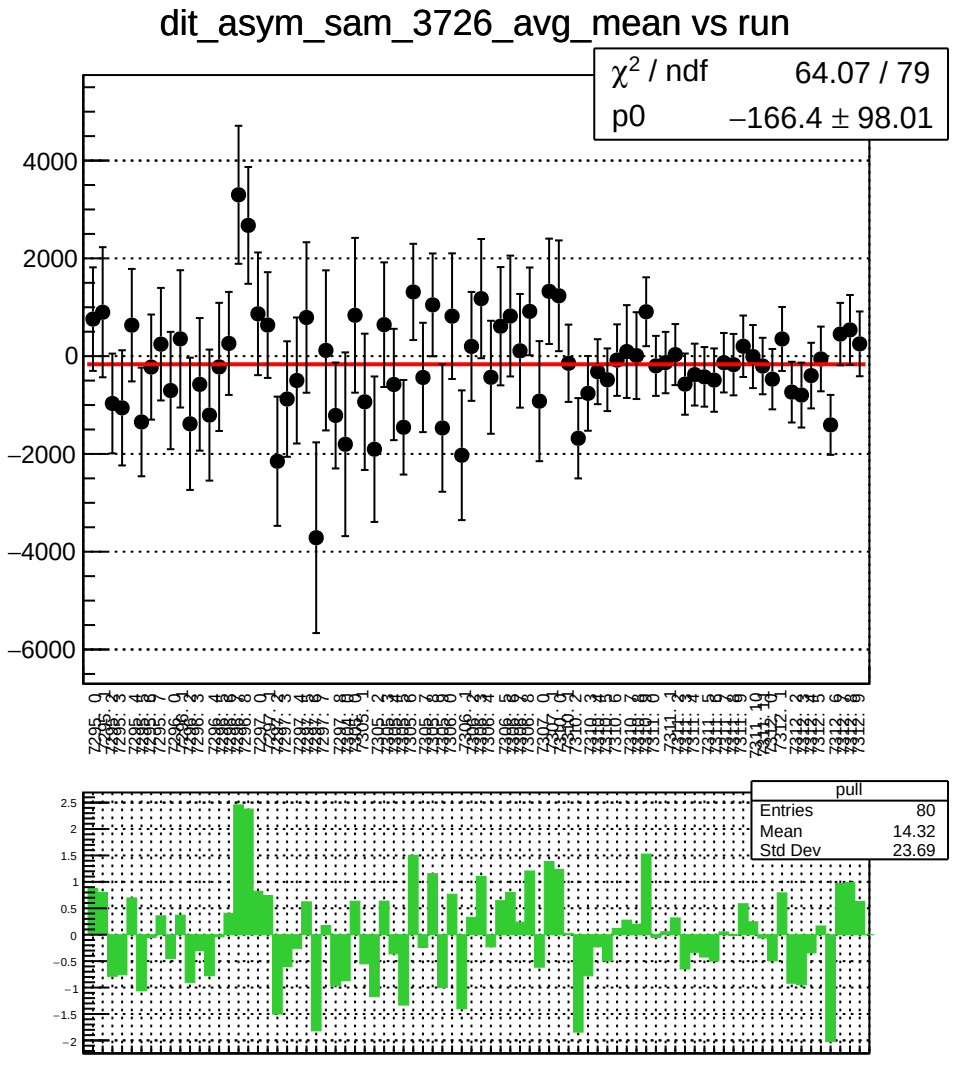

pull1D
Entries 80
Mean 0.01362
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

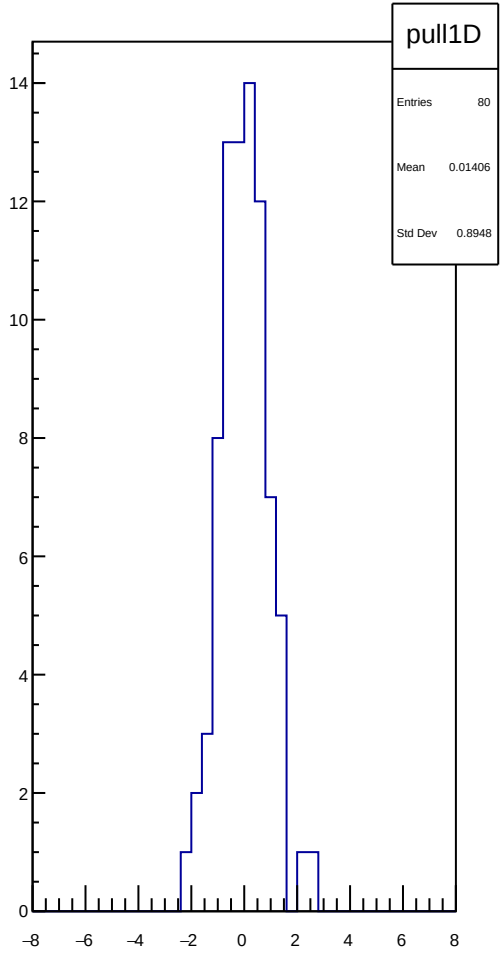

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 4781 / 79
p0 222.8 ± 0.1841
280
270
260
250
240
230
220
210
200
190

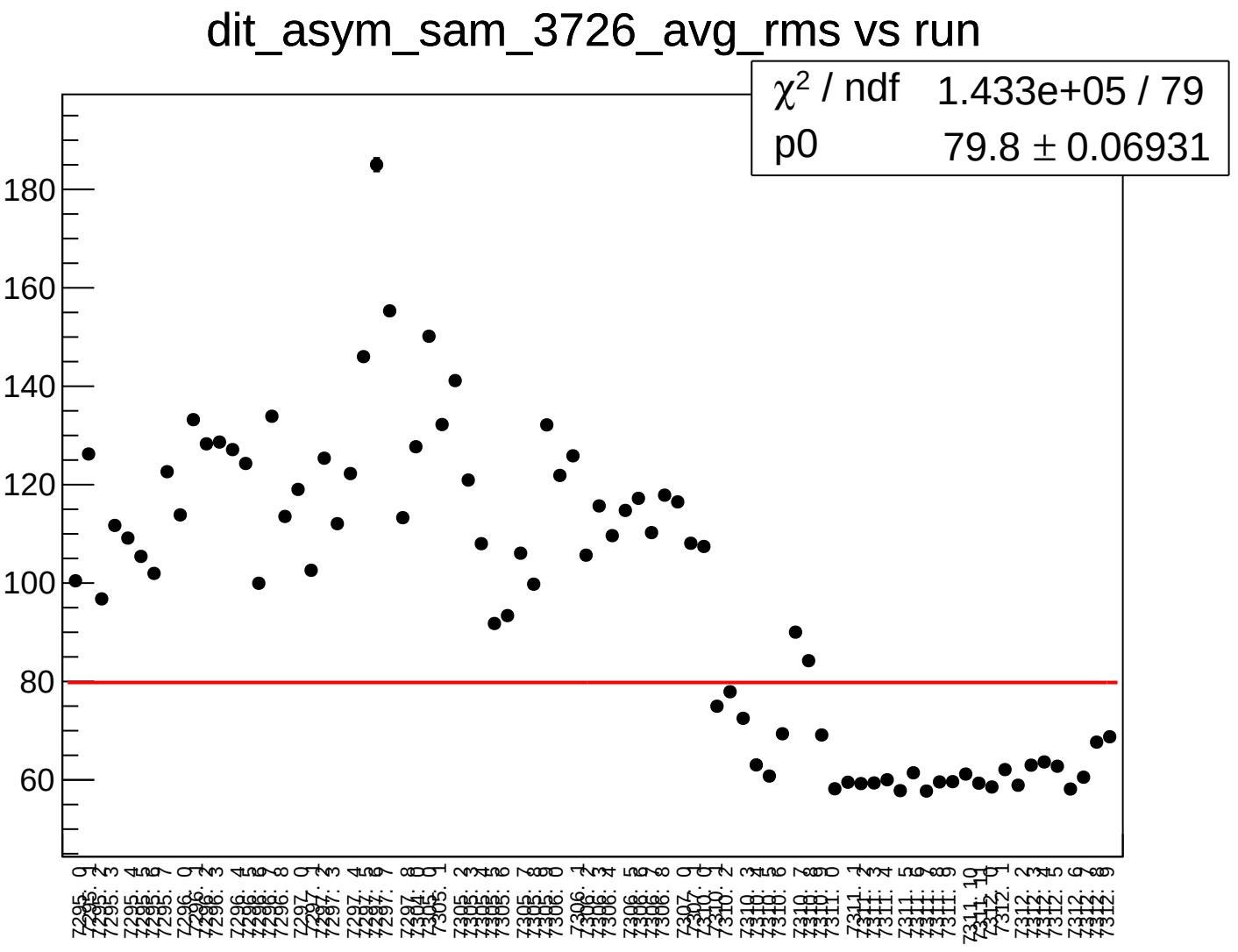

asym_sam_1526_avg_mean vs run
χ² / ndf 92.41 / 79
p0 373.7 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −164.6
Std Dev 207.8
4
3
2
1
0
−1
−2

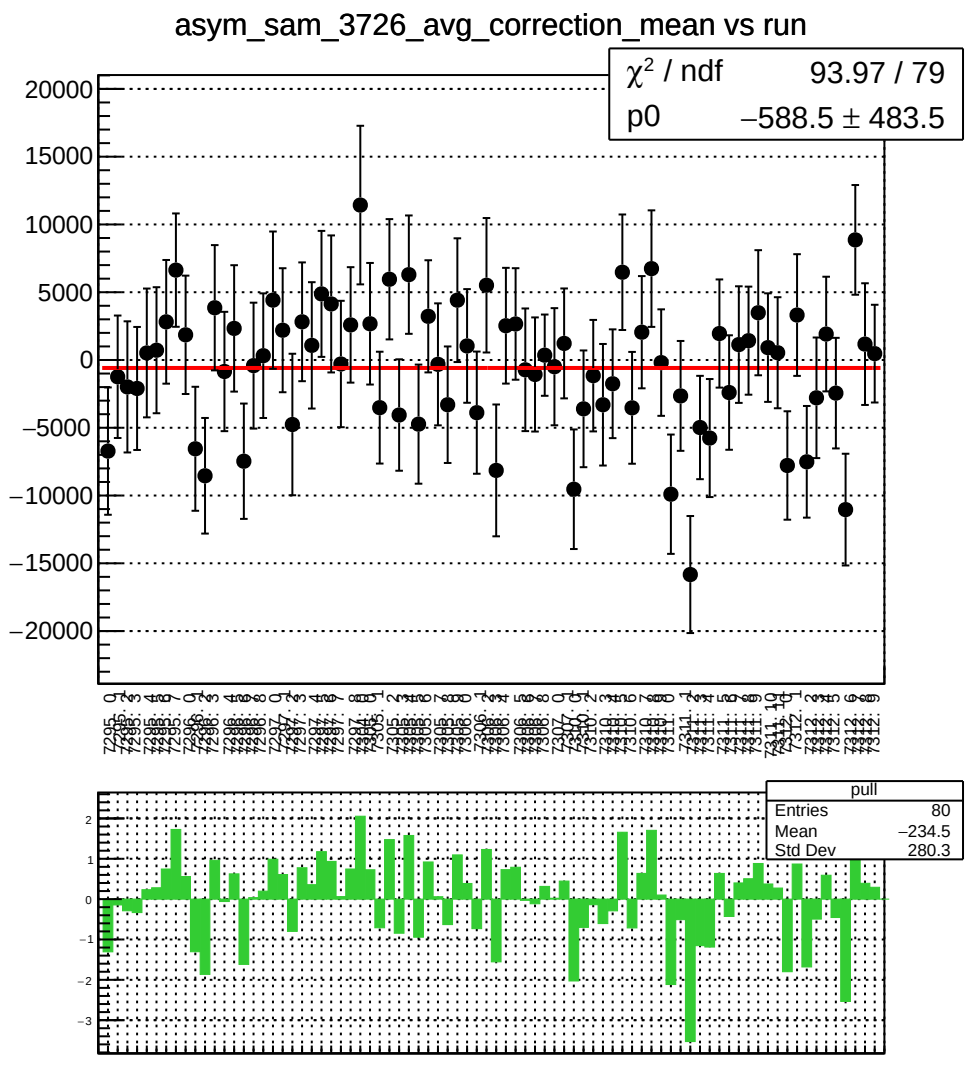

pull1D
Entries 80
Mean −0.01893
Std Dev 1.075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

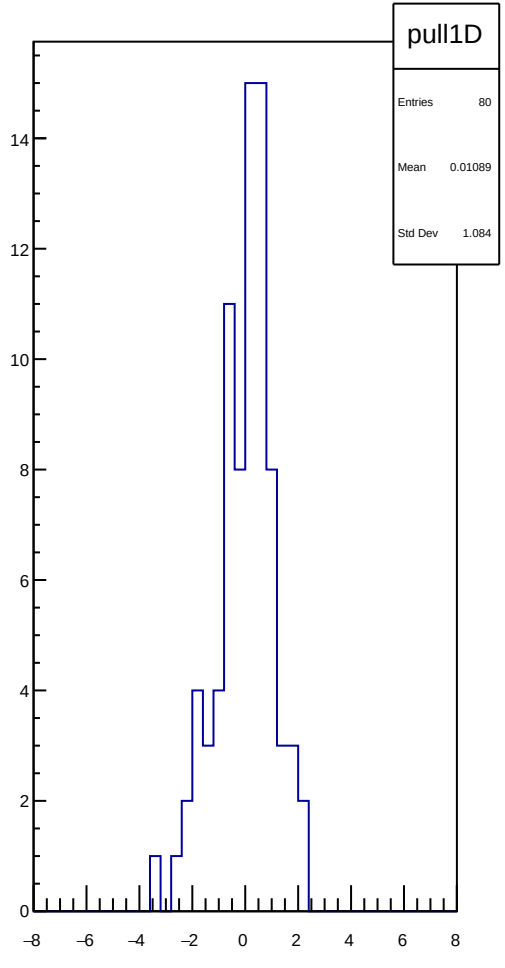

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.032e+04 / 79
p0 227.4 ± 0.1883
280
260
240
220
200

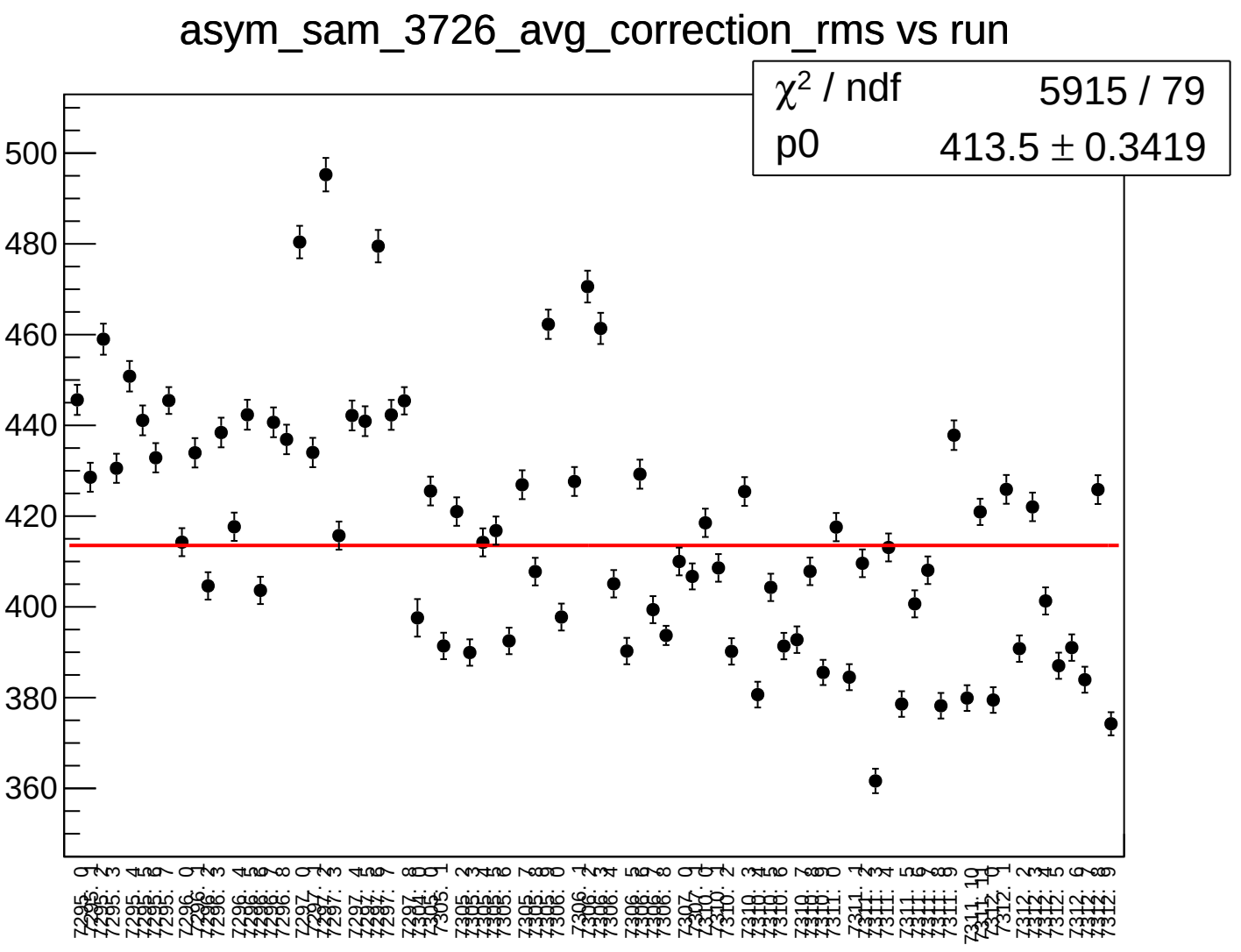

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 64.07 / 79
p0 −166.4 ± 98.01
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 14.32
Std Dev 23.69
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

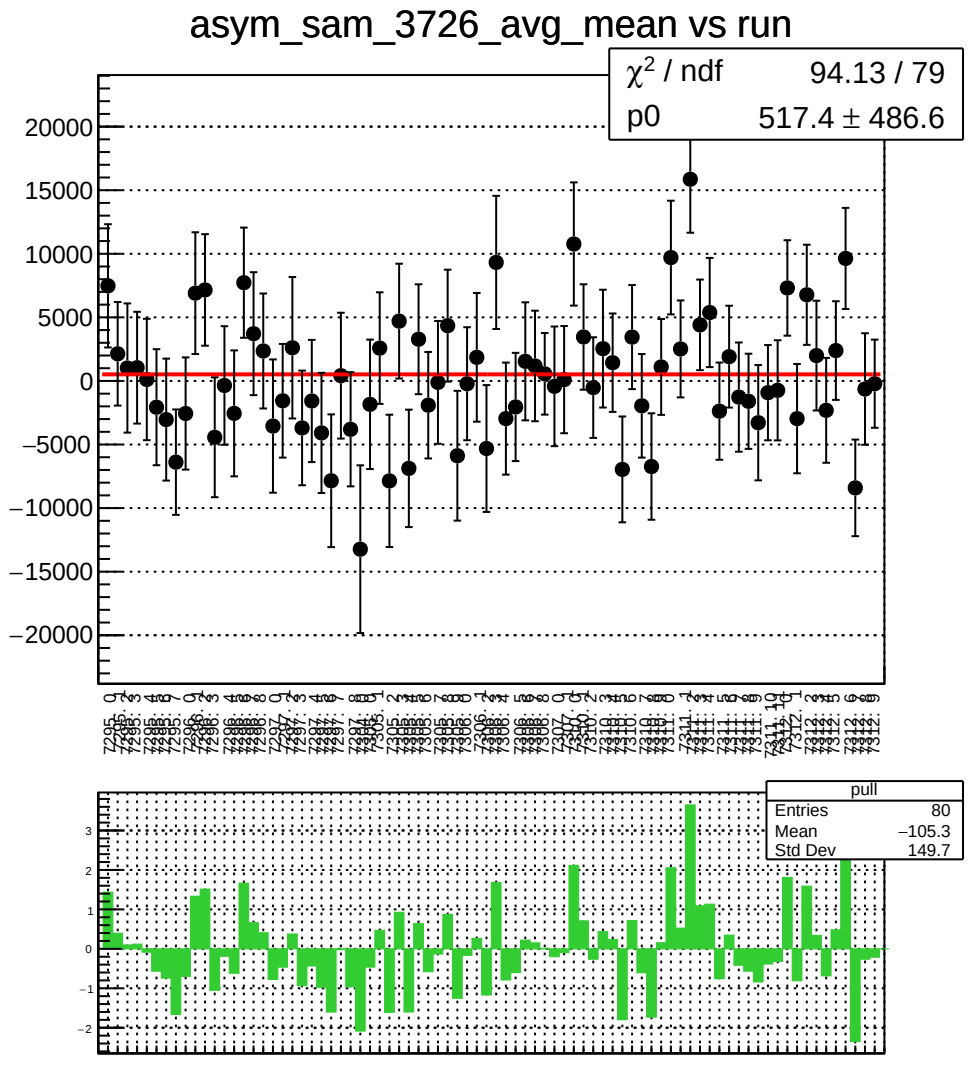

pull1D
Entries 80
Mean 0.01406
Std Dev 0.8948
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

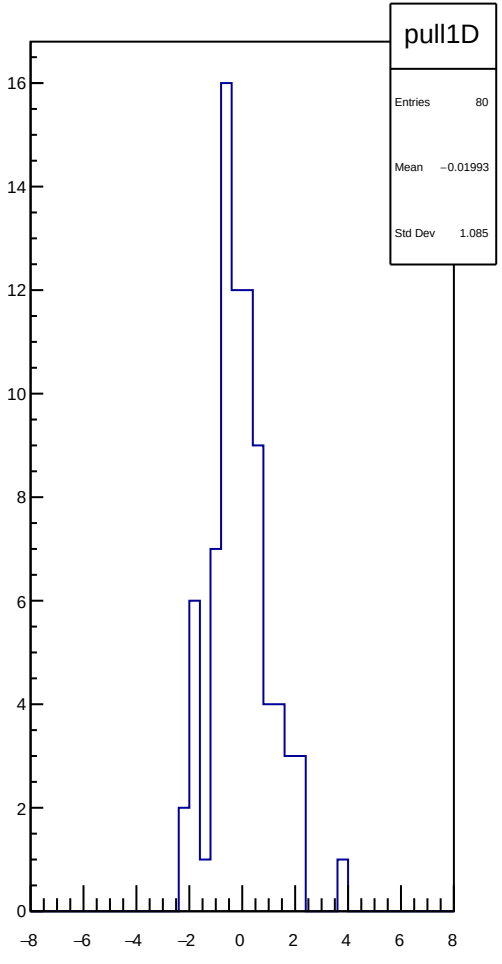

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.433e+05 / 79
p0 79.8 ± 0.06931
180
160
140
120
100
80
60

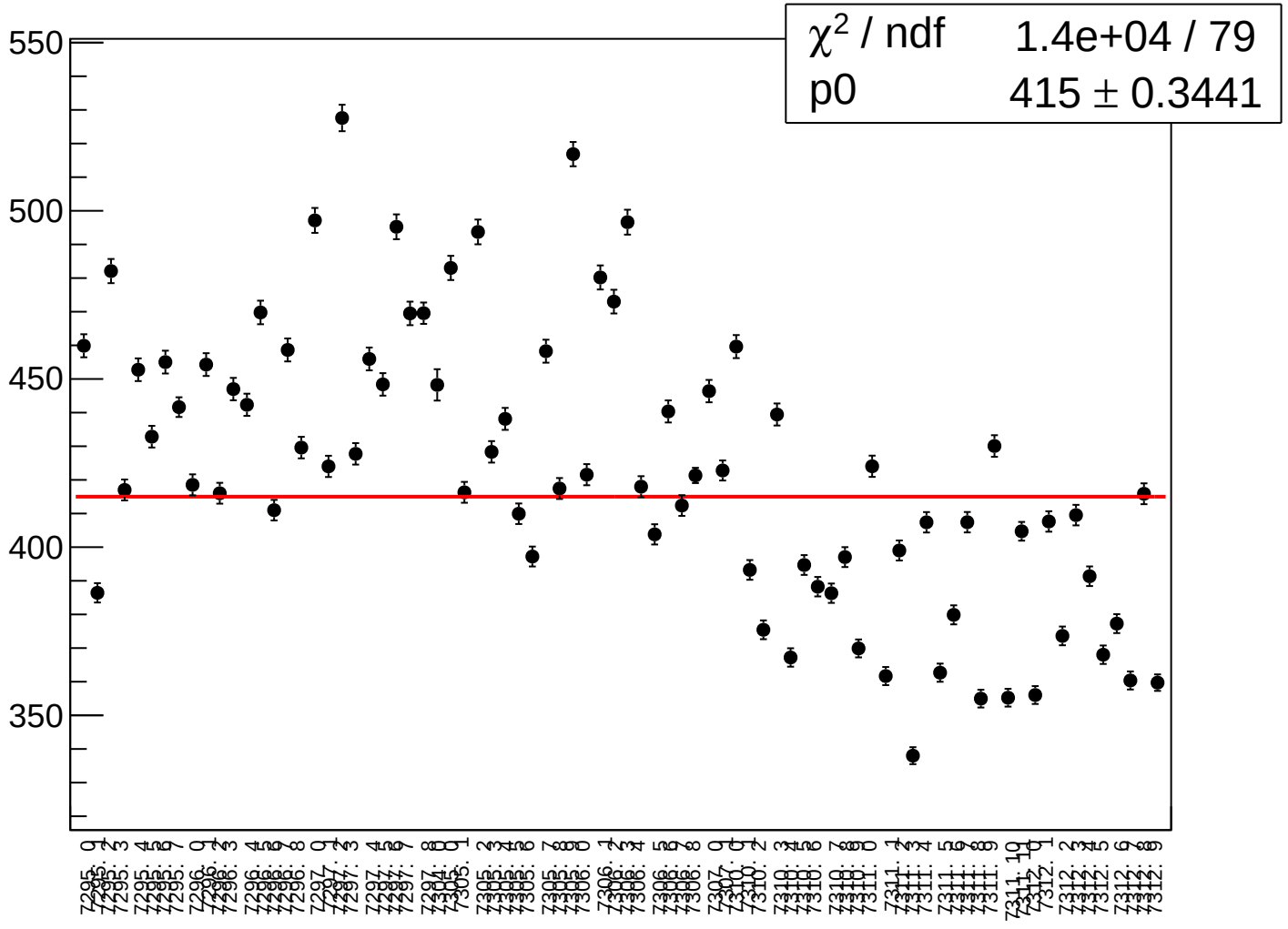

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 93.97 / 79
p0 −588.5 ± 483.5
pull
Entries 80
Mean −234.5
Std Dev 280.3

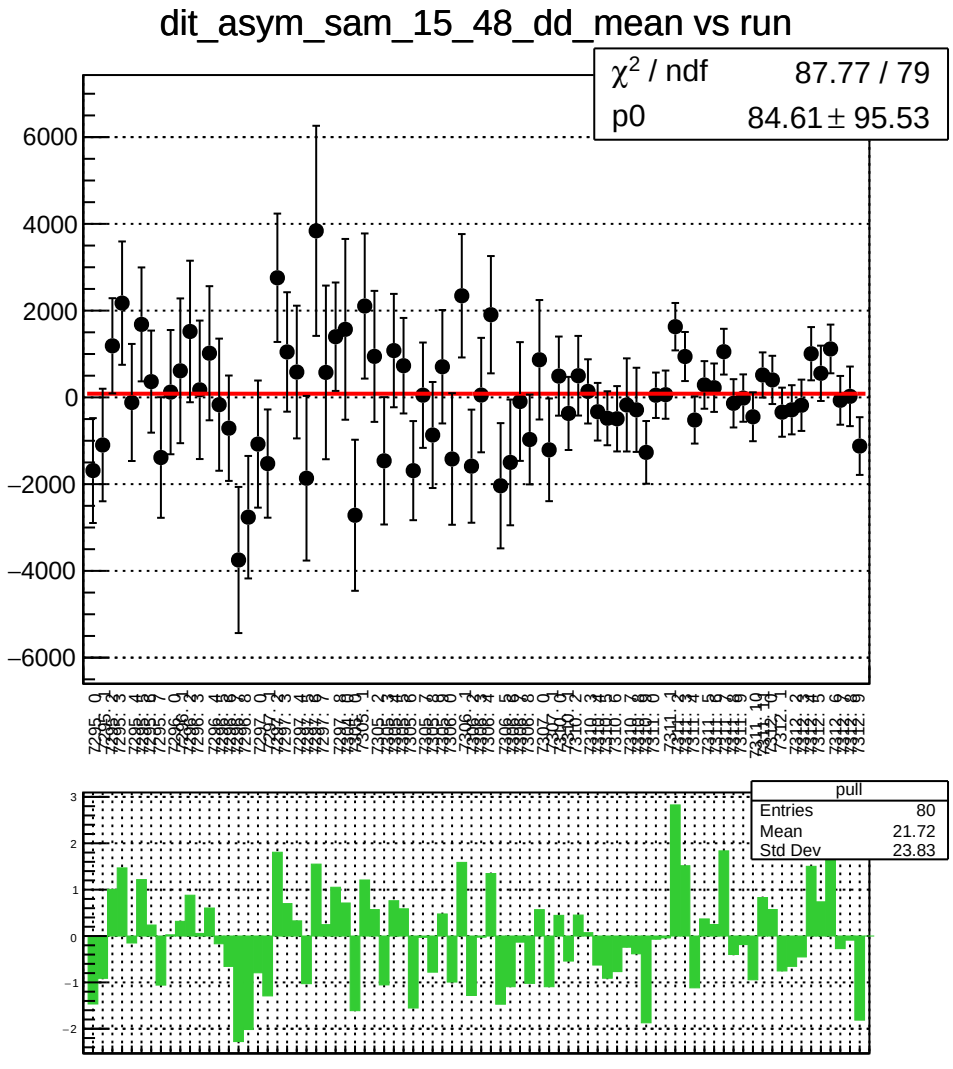

pull1D
Entries 80
Mean 0.01089
Std Dev 1.084

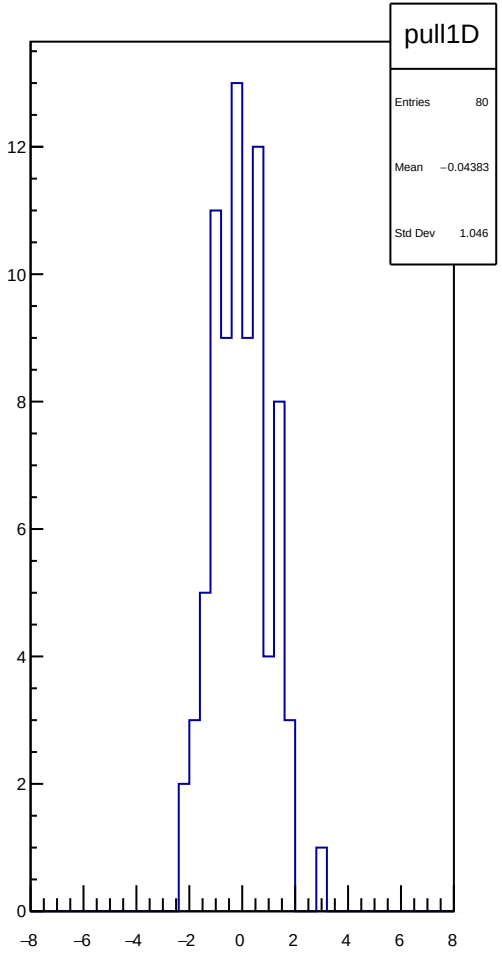

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 5915 / 79
p0 413.5 ± 0.3419
500
480
460
440
420
400
380
360

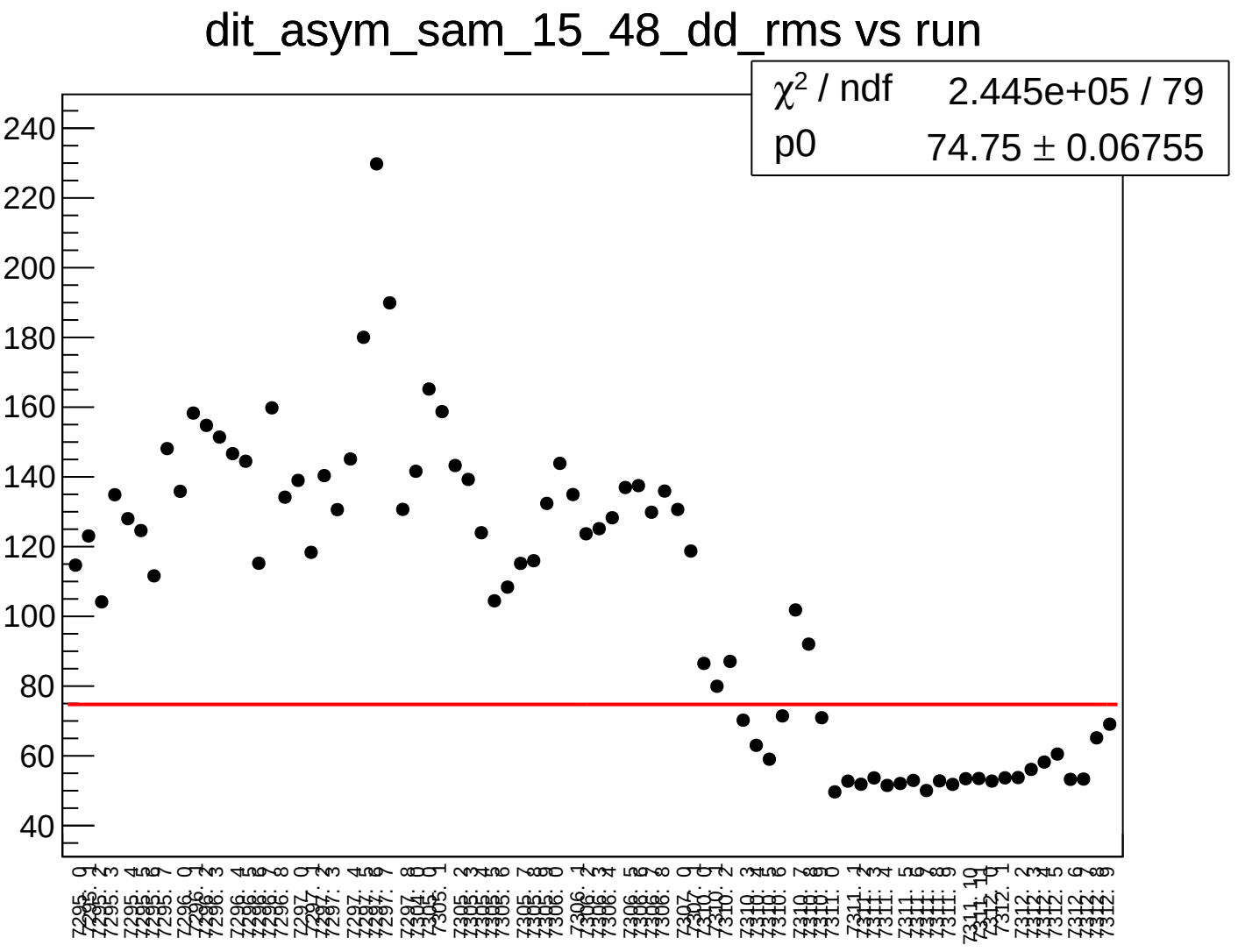

asym_sam_3726_avg_mean vs run
χ² / ndf 94.13 / 79
p0 517.4 ± 486.6
pull
Entries 80
Mean −105.3
Std Dev 149.7

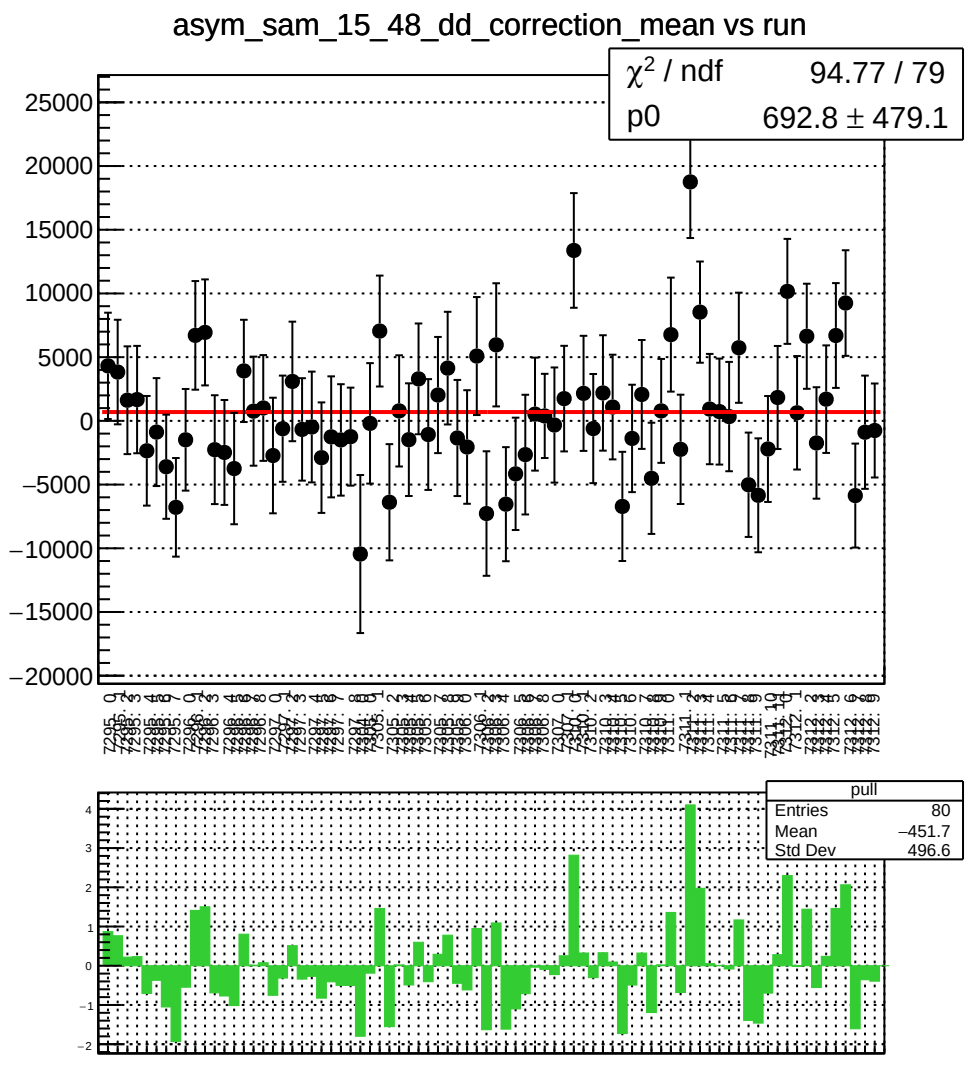

pull1D
Entries 80
Mean −0.01993
Std Dev 1.085

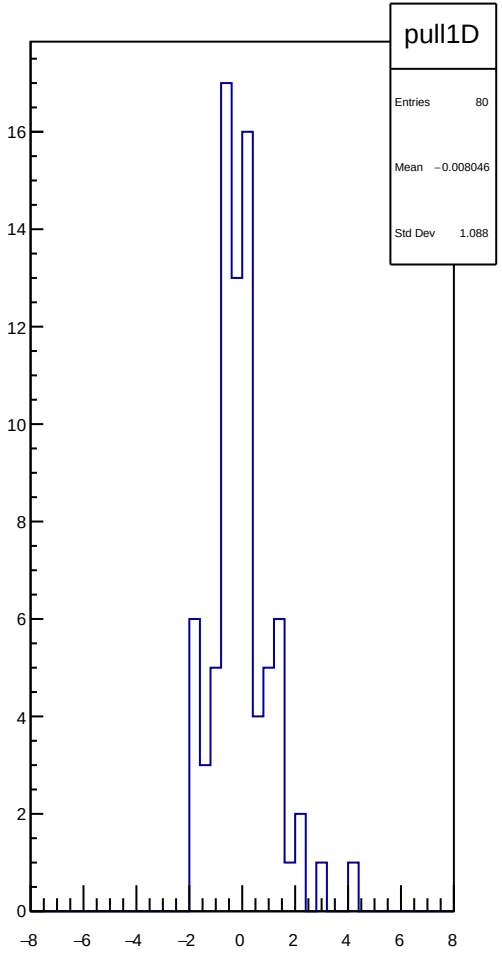

asym_sam_3726_avg_rms vs run
χ² / ndf 1.4e+04 / 79
p0 415 ± 0.3441
550
500
450
400
350

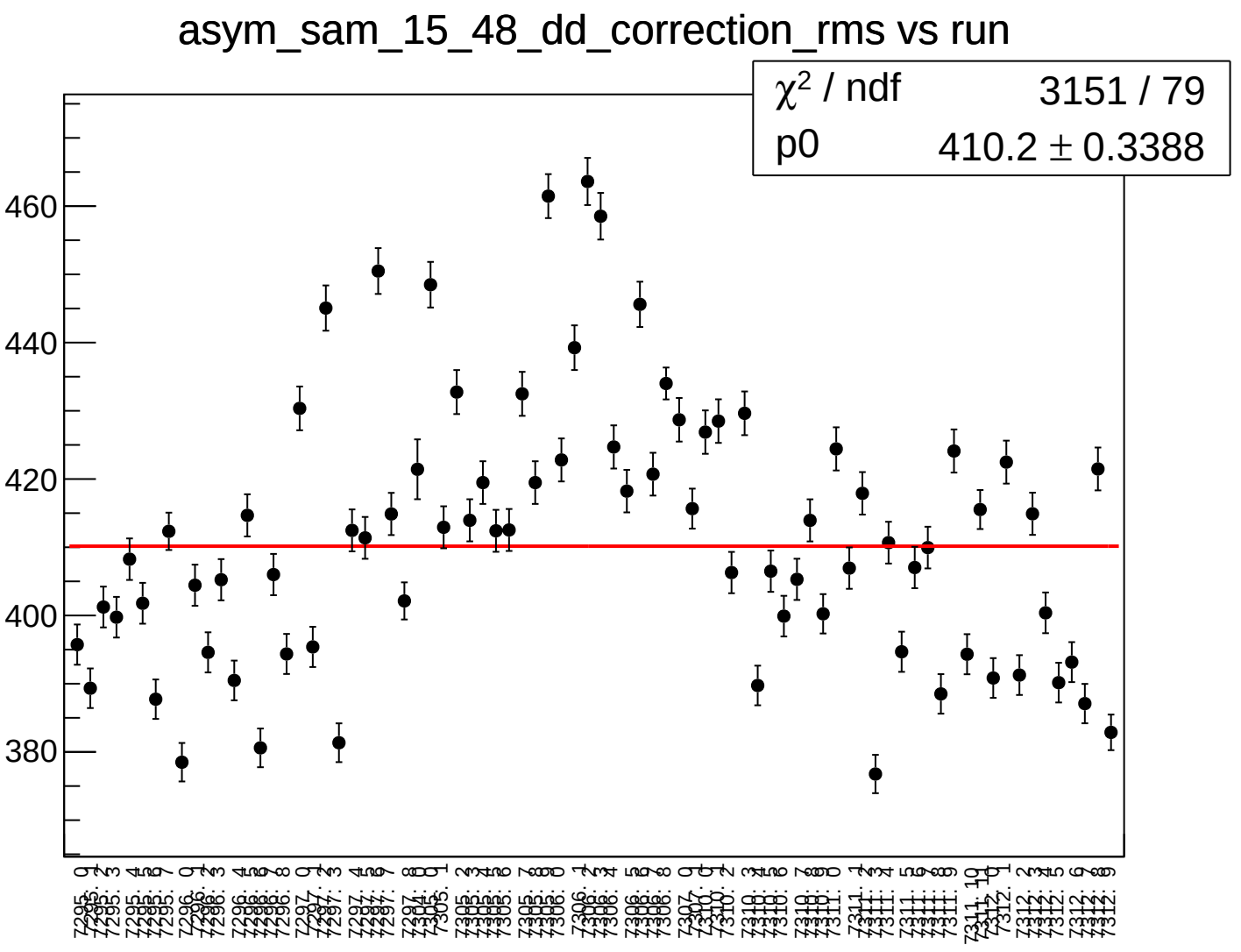

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 87.77 / 79
p0 84.61 ± 95.53
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 21.72
Std Dev 23.83
3
2
1
0
−1
−2

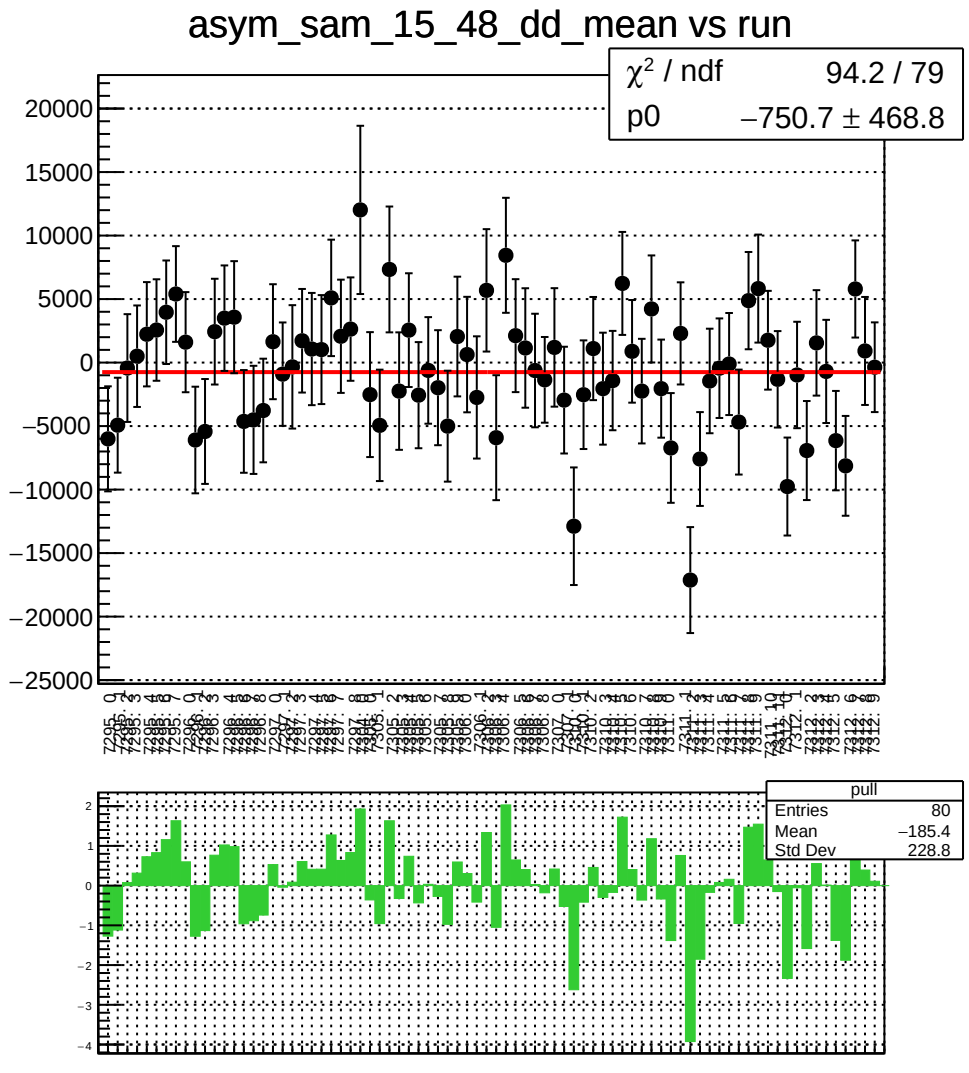

pull1D
Entries 80
Mean −0.04383
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

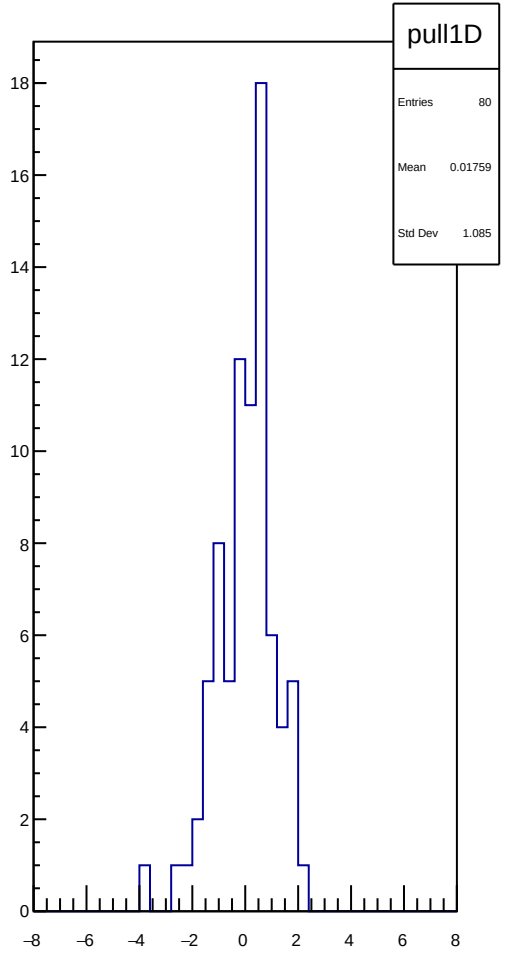

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2.445e+05 / 79
p0 74.75 ± 0.06755
240
220
200
180
160
140
120
100
80
60
40

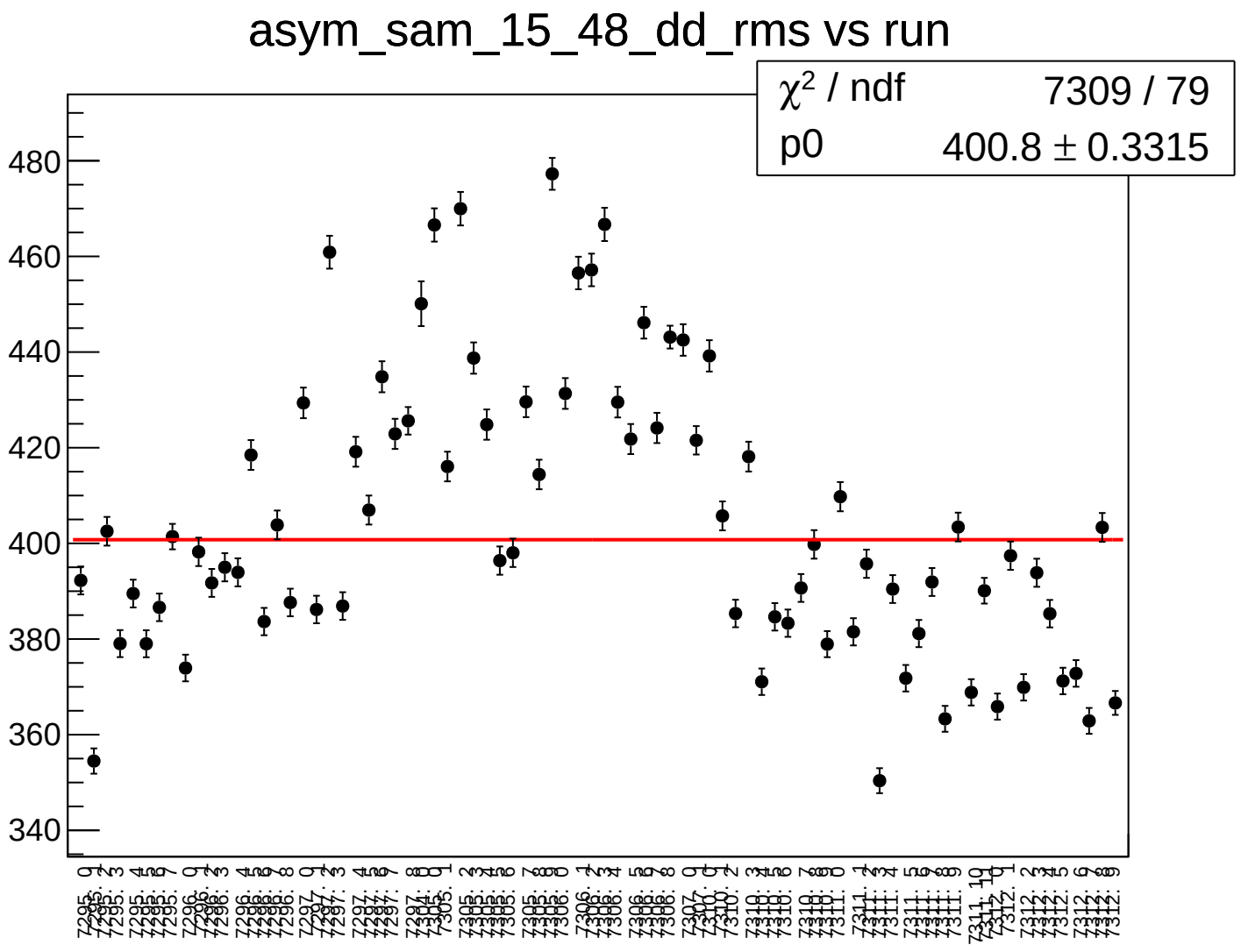

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 94.77 / 79
p0 692.8 ± 479.1
pull
Entries 80
Mean −451.7
Std Dev 496.6

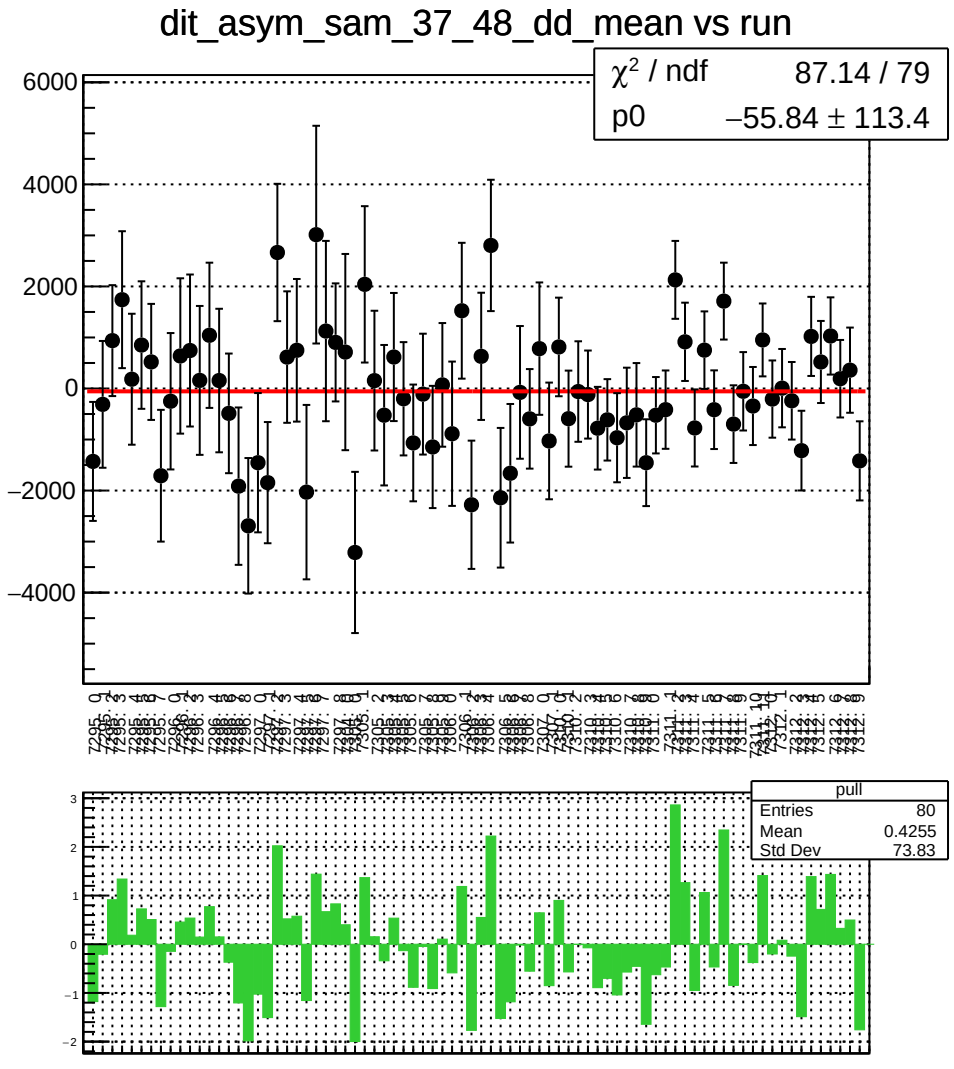

pull1D
Entries 80
Mean −0.008046
Std Dev 1.088

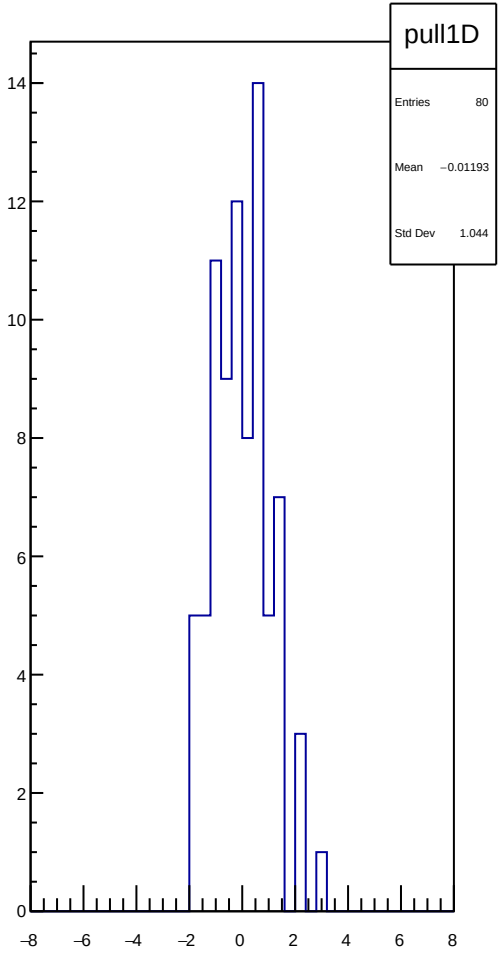

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3151 / 79
p0 410.2 ± 0.3388
460
440
420
400
380

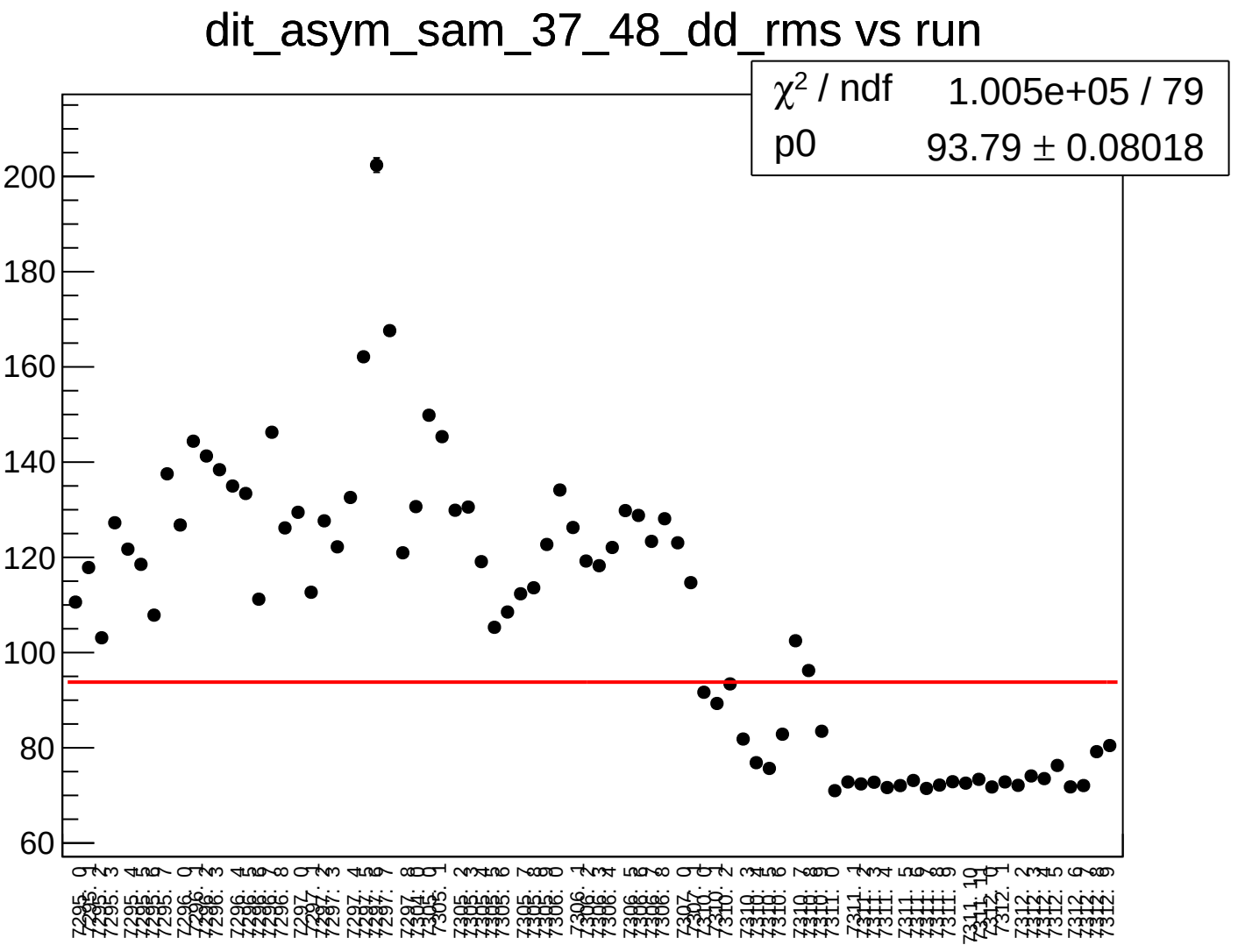

asym_sam_15_48_dd_mean vs run
χ² / ndf 94.2 / 79
p0 −750.7 ± 468.8
pull
Entries 80
Mean −185.4
Std Dev 228.8

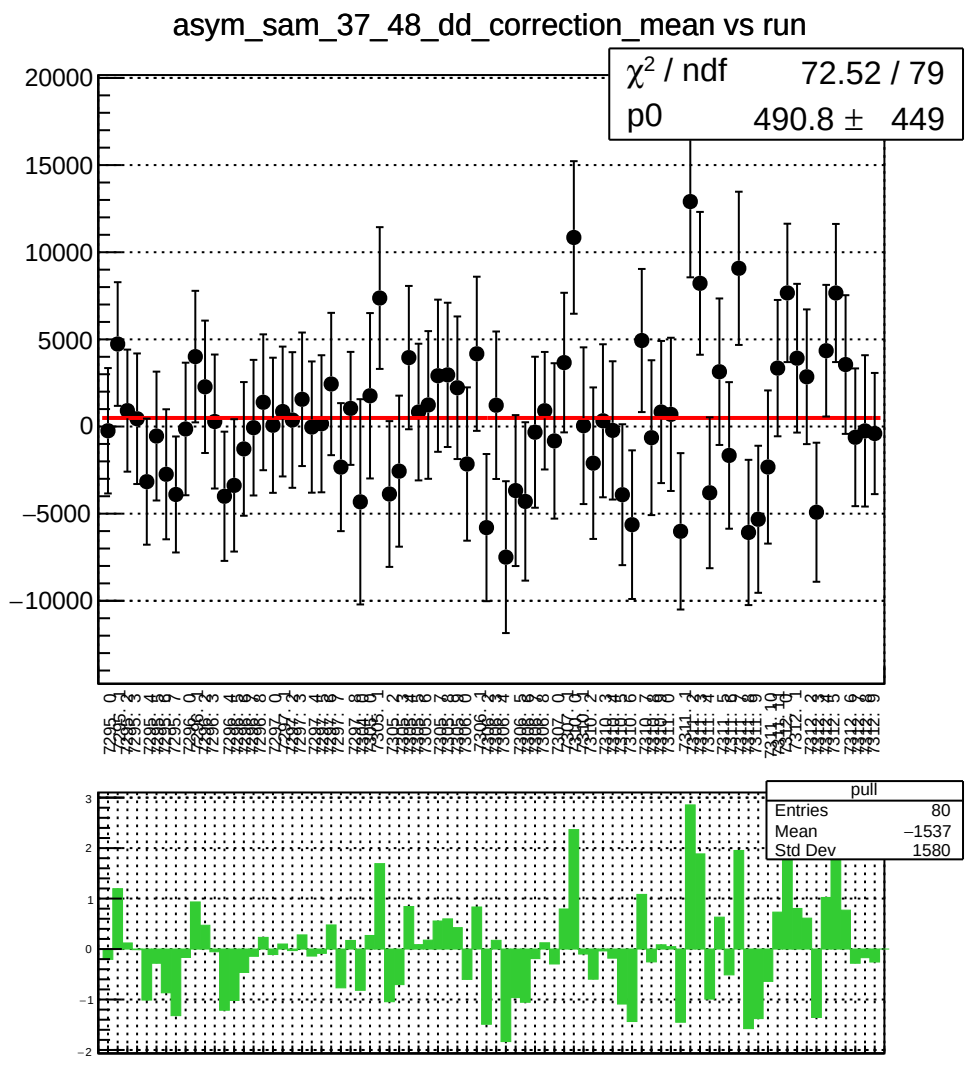

pull1D
Entries 80
Mean 0.01759
Std Dev 1.085

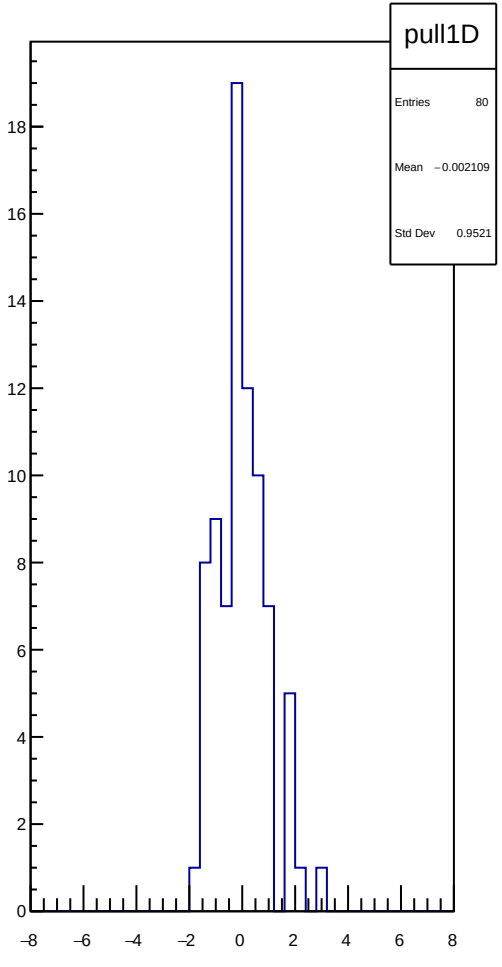

asym_sam_15_48_dd_rms vs run
χ² / ndf 7309 / 79
p0 400.8 ± 0.3315
480
460
440
420
400
380
360
340

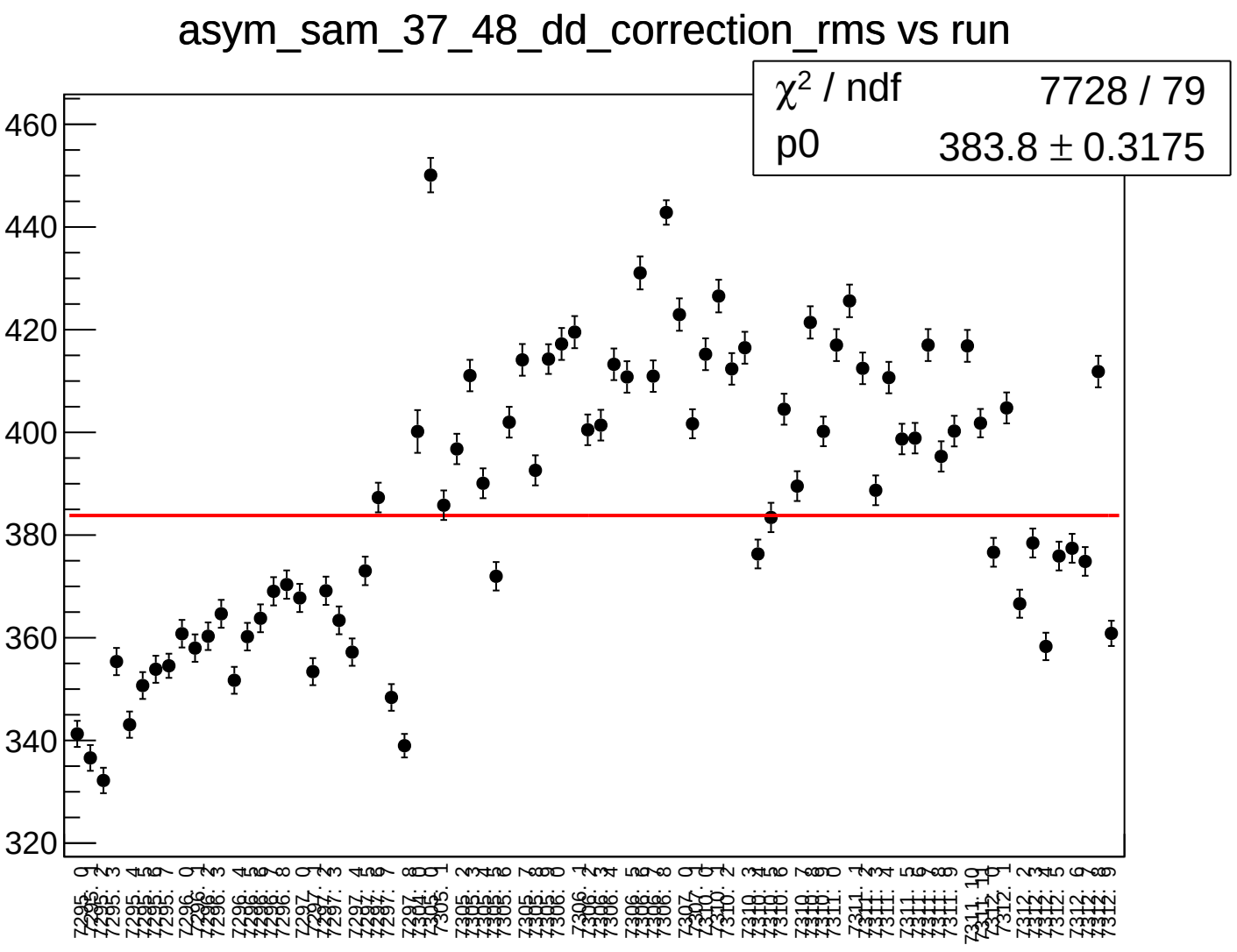

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.14 / 79
p0 −55.84 ± 113.4
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 0.4255
Std Dev 73.83
3
2
1
0
−1
−2

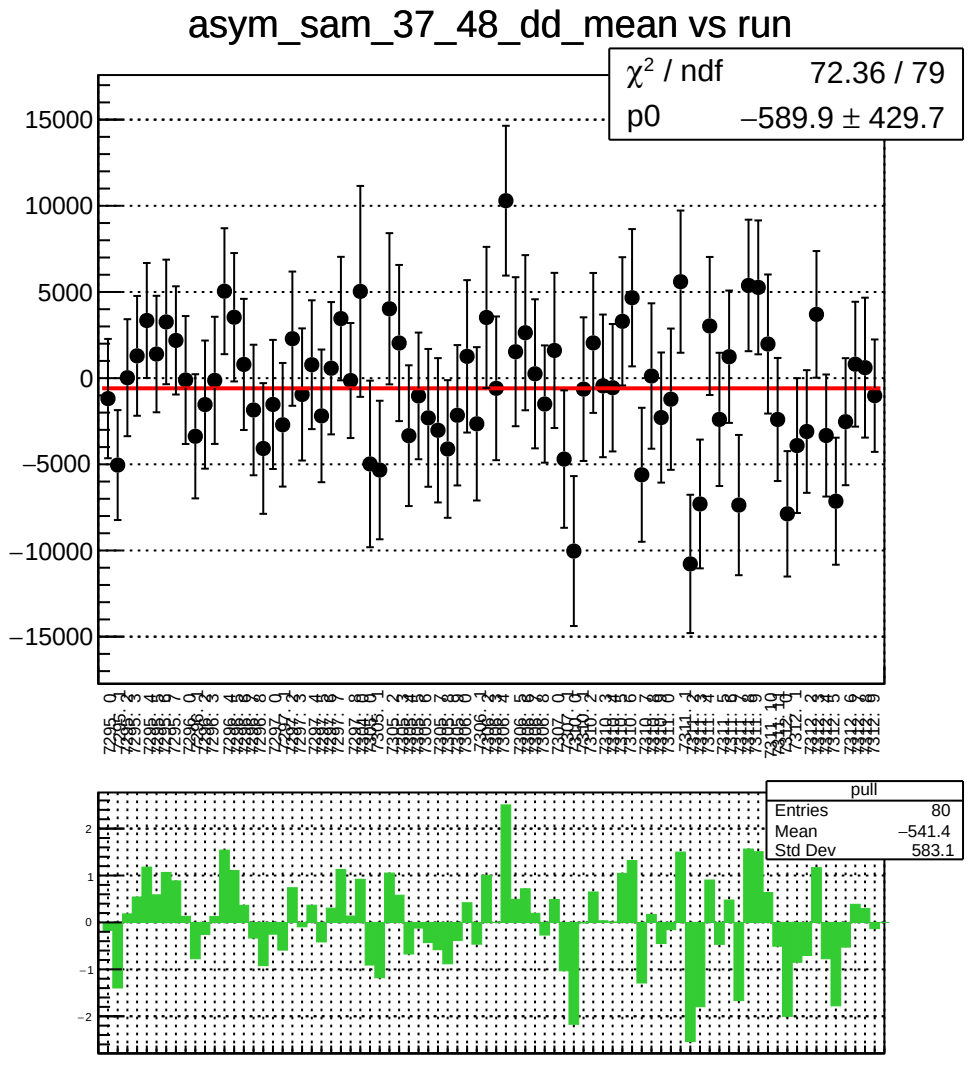

pull1D
Entries 80
Mean −0.01193
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

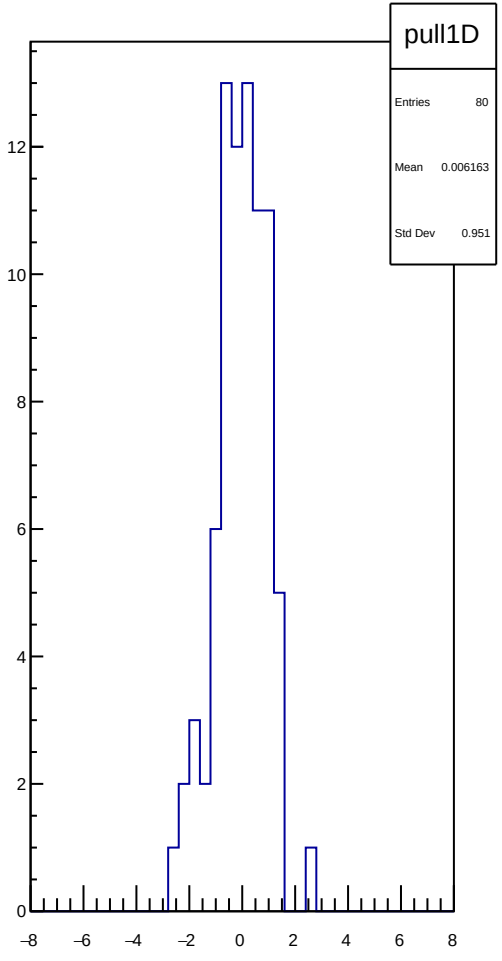

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.005e+05 / 79
p0 93.79 ± 0.08018
200
180
160
140
120
100
80
60

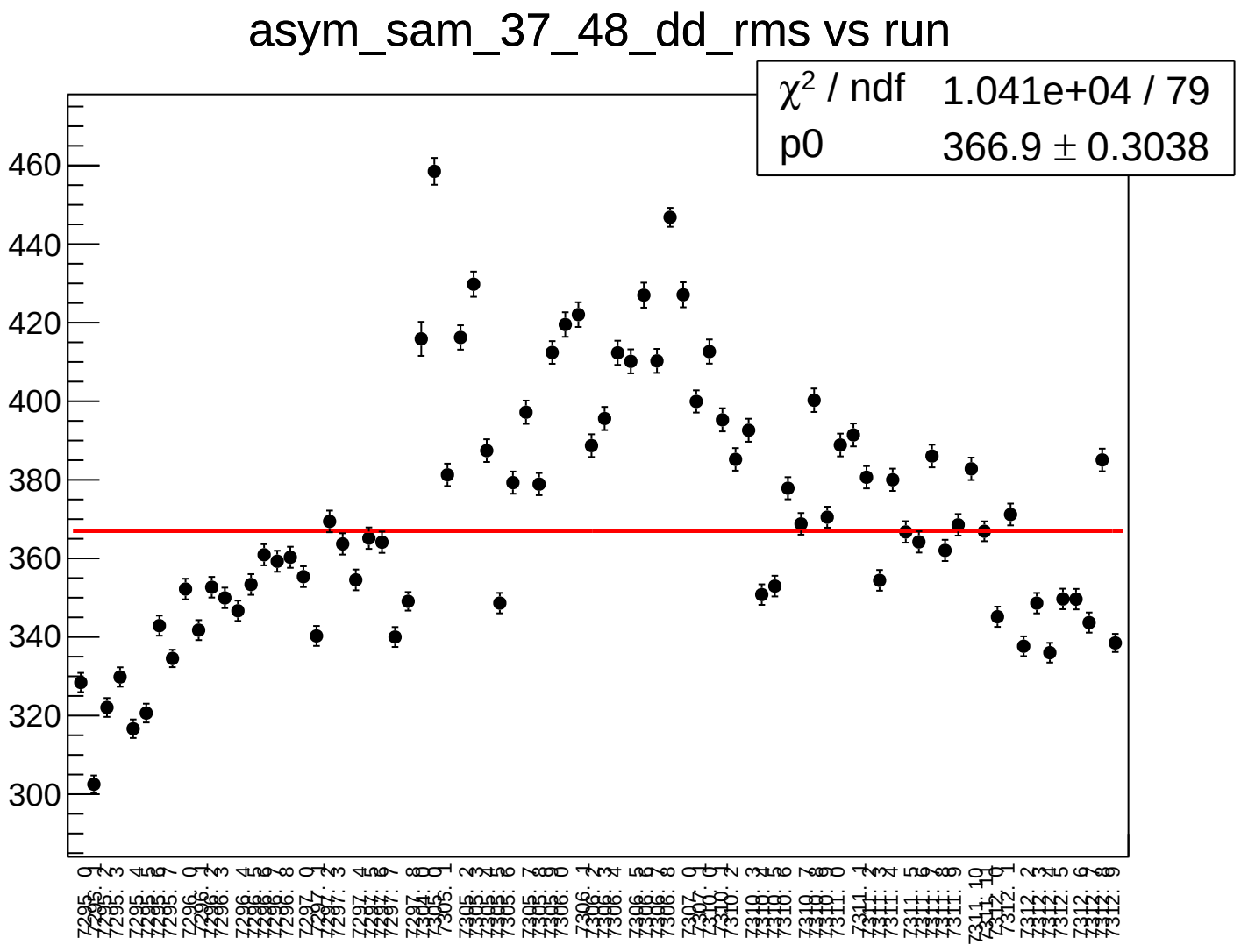

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.52 / 79
p0 490.8 ± 449
pull
Entries 80
Mean −1537
Std Dev 1580

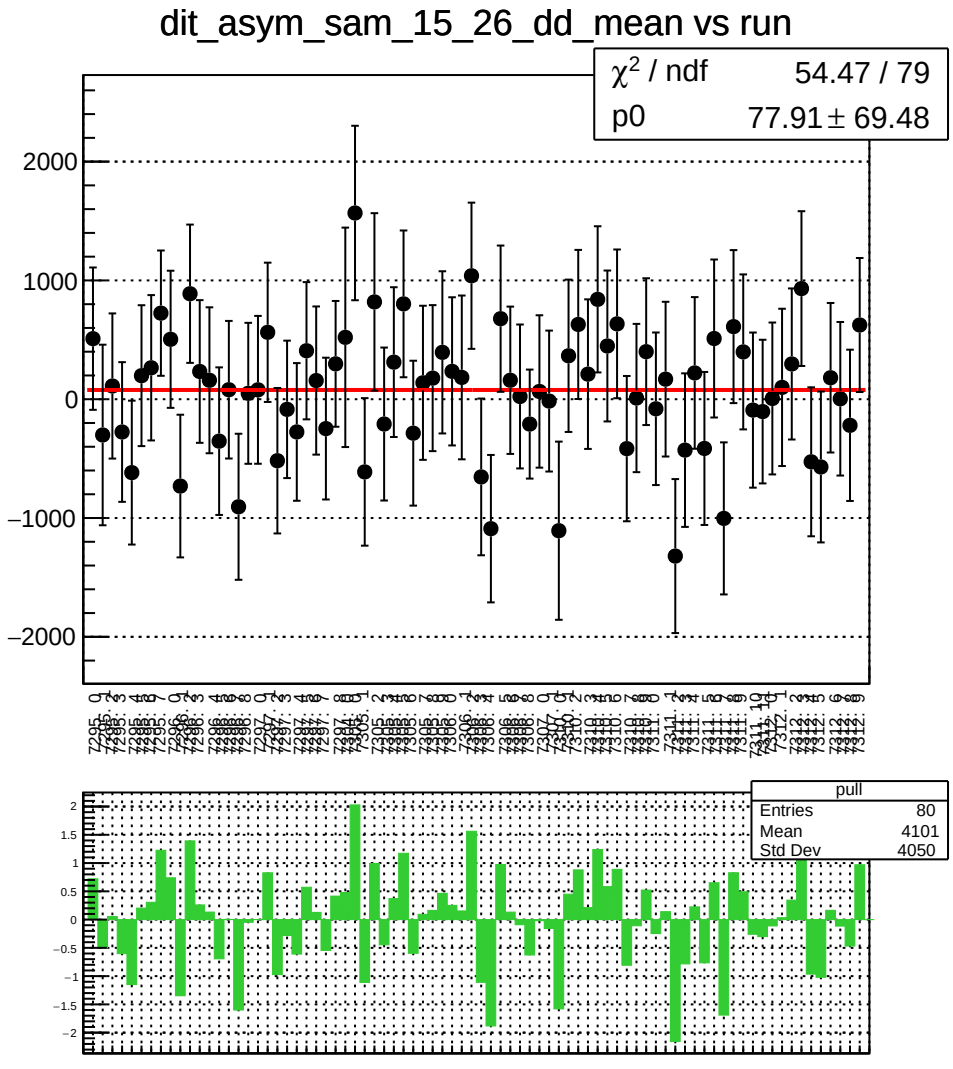

pull1D
Entries 80
Mean −0.002109
Std Dev 0.9521

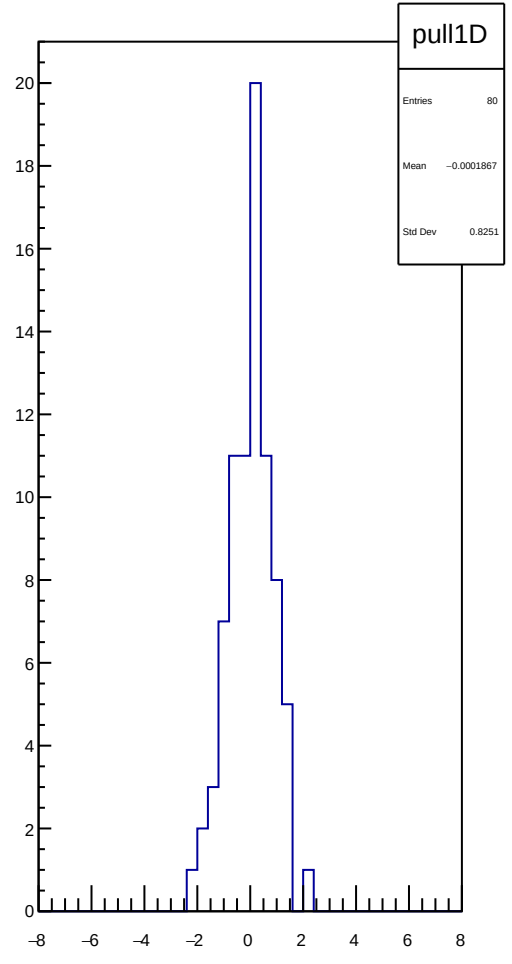

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 7728 / 79
p0 383.8 ± 0.3175
460
440
420
400
380
360
340
320

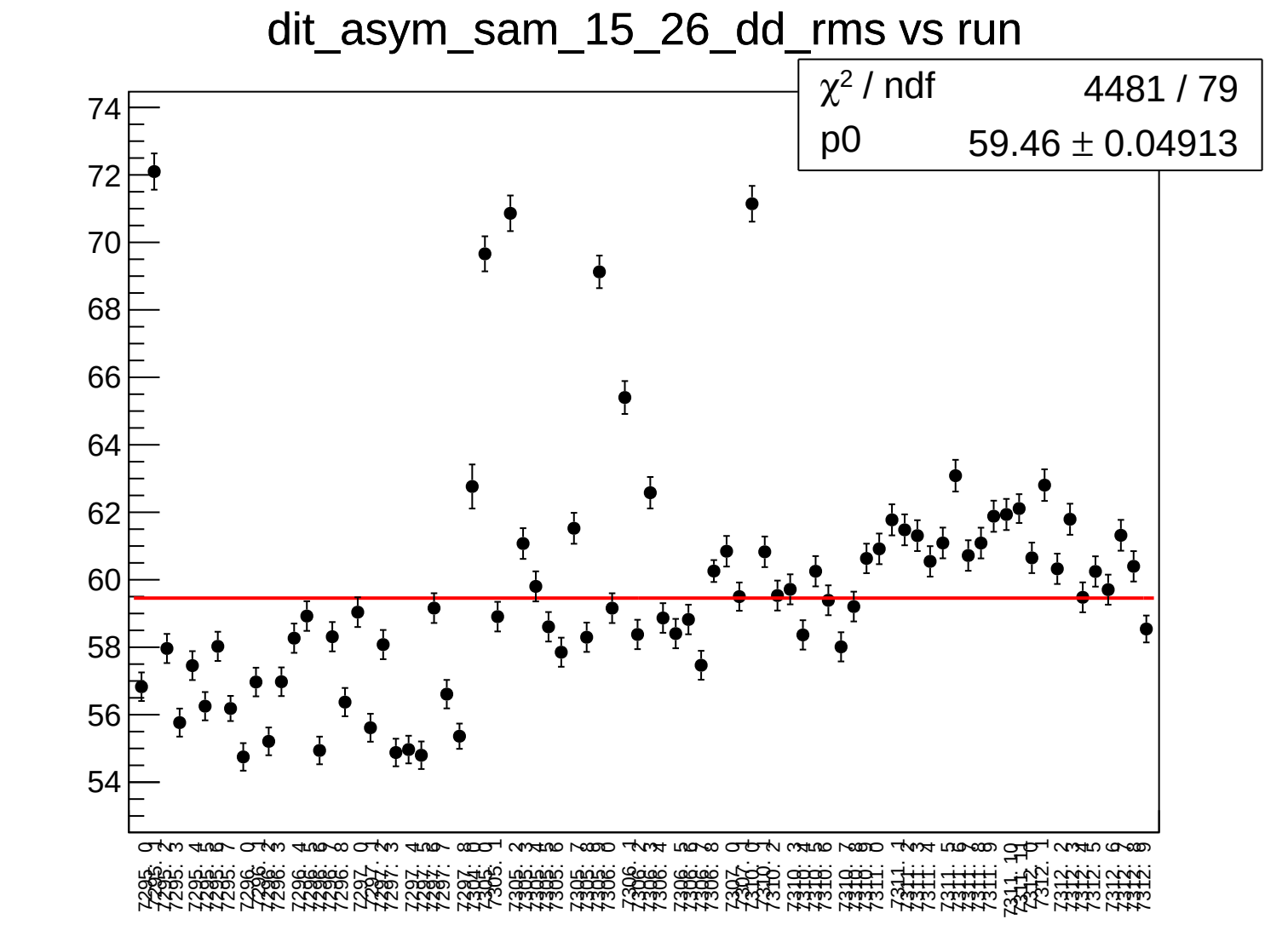

asym_sam_37_48_dd_mean vs run
χ² / ndf 72.36 / 79
p0 −589.9 ± 429.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −541.4
Std Dev 583.1
2
1
0
−1
−2

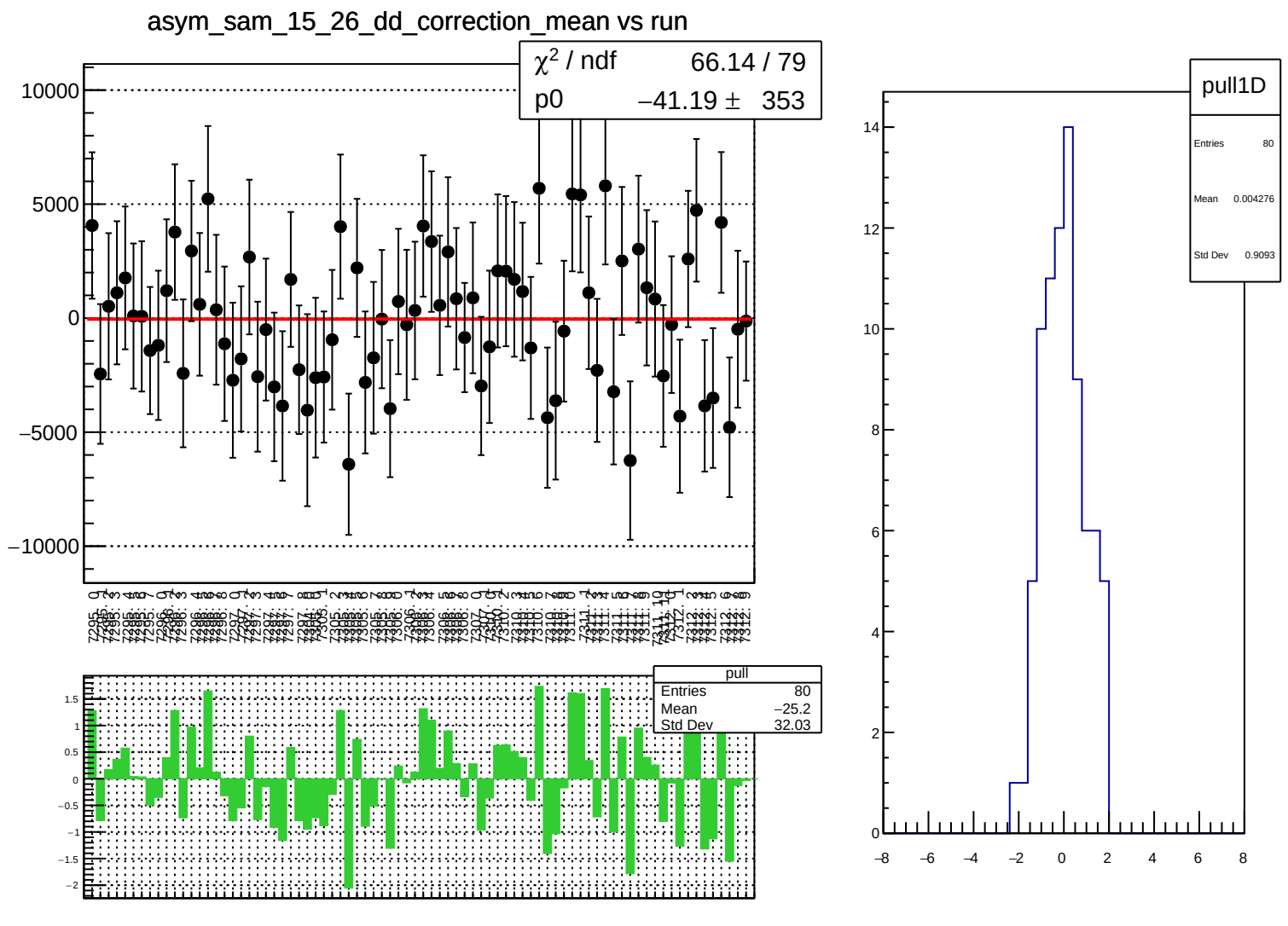

pull1D
Entries 80
Mean 0.006163
Std Dev 0.951
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

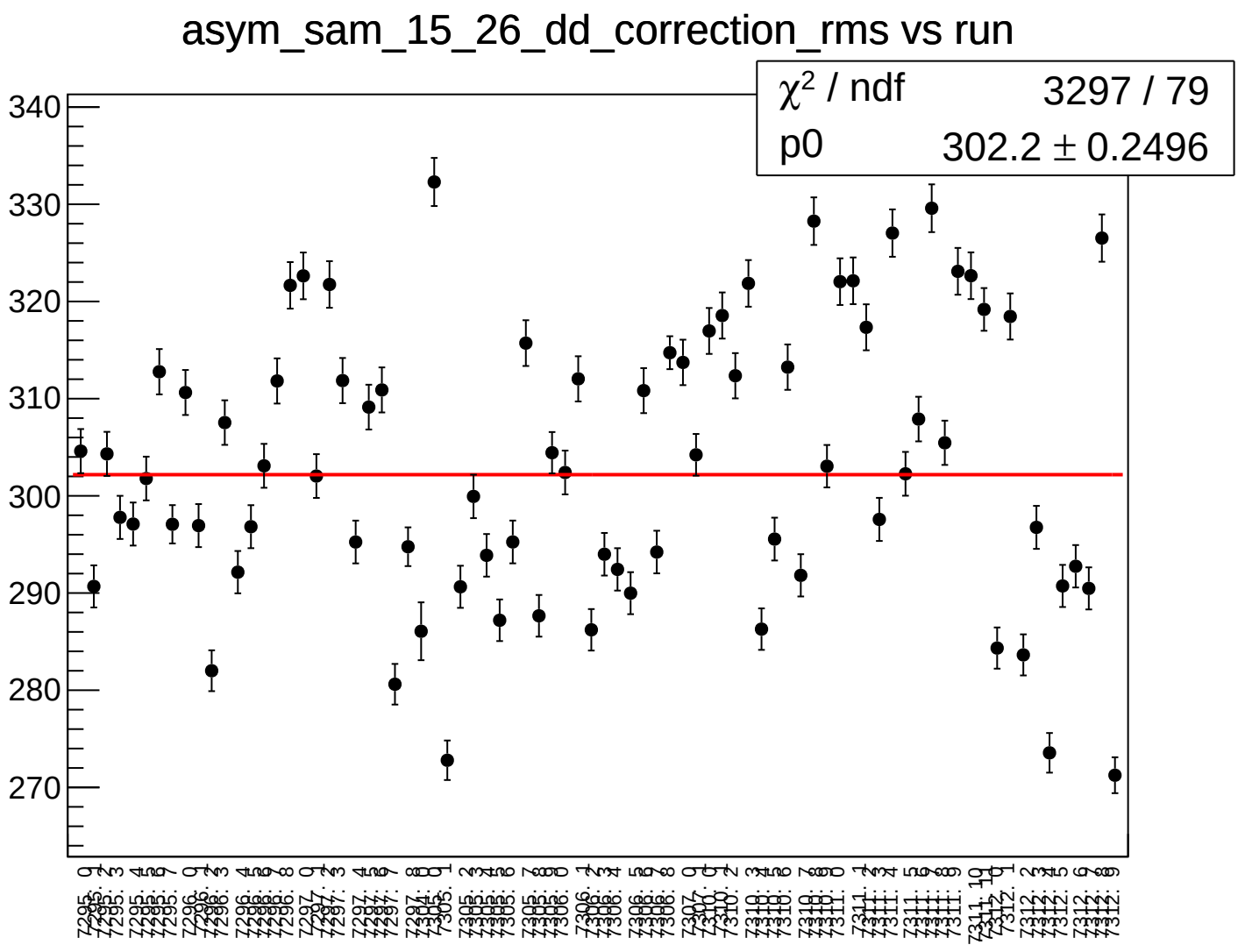

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.041e+04 / 79
p0 366.9 ± 0.3038
460
440
420
400
380
360
340
320
300

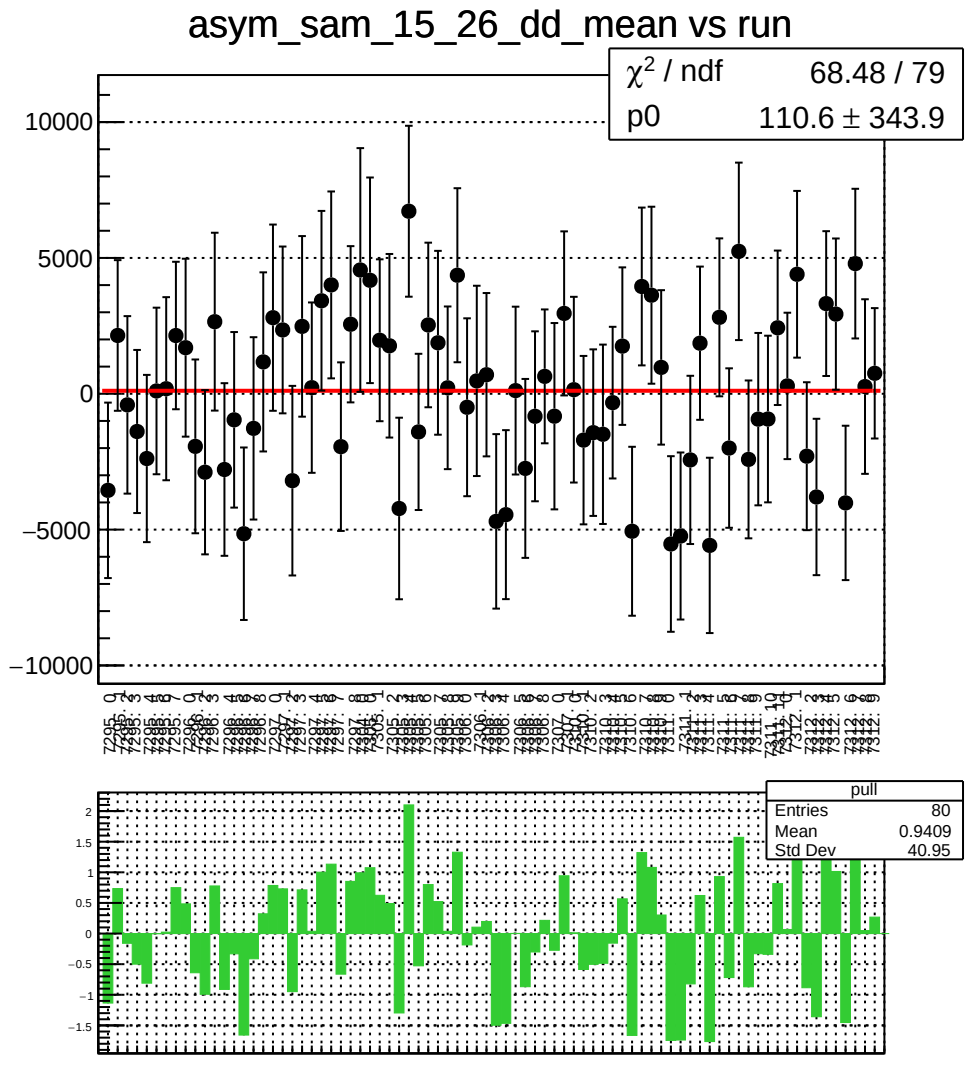

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 54.47 / 79
p0 77.91 ± 69.48
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 4101
Std Dev 4050
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

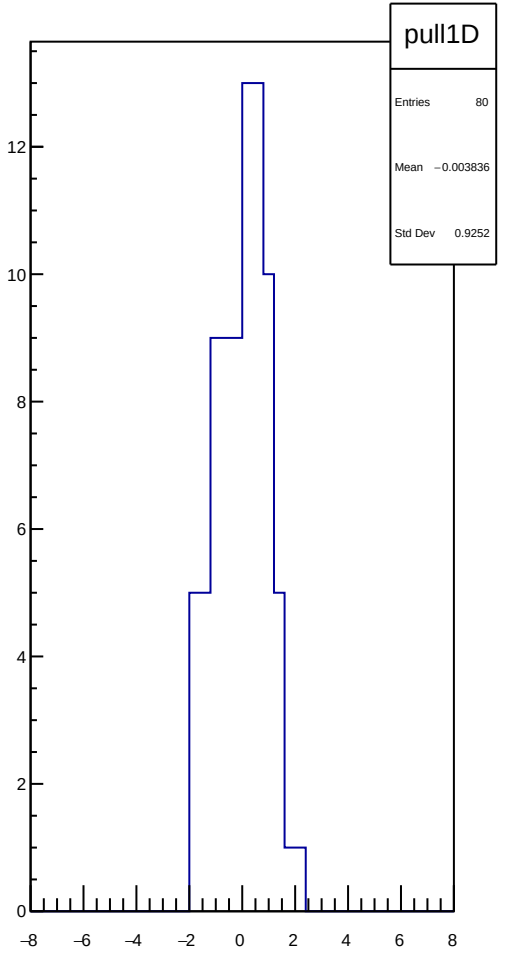

pull1D
Entries 80
Mean −0.0001867
Std Dev 0.8251
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

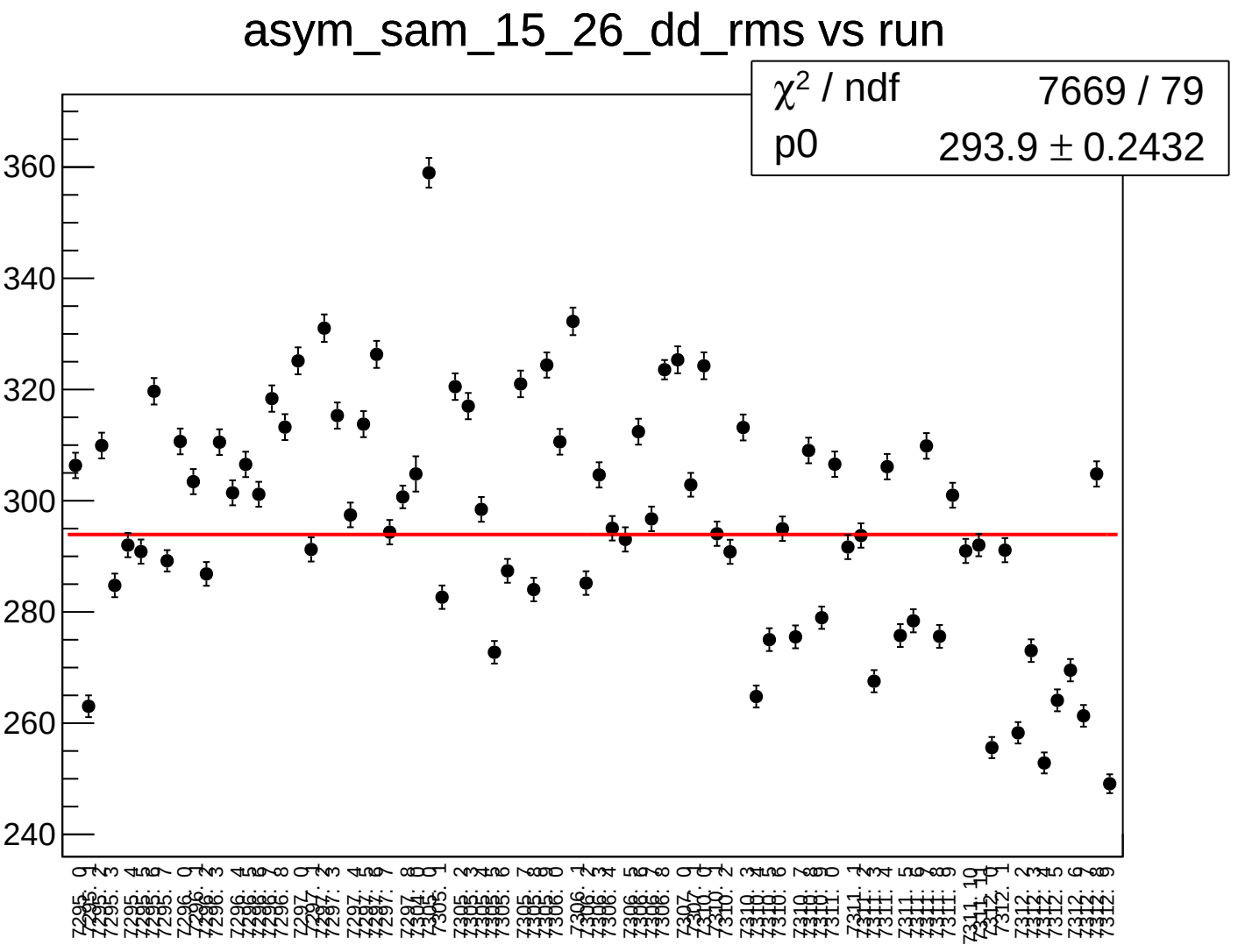

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 4481 / 79
p0 59.46 ± 0.04913
74
72
70
68
66
64
62
60
58
56
54

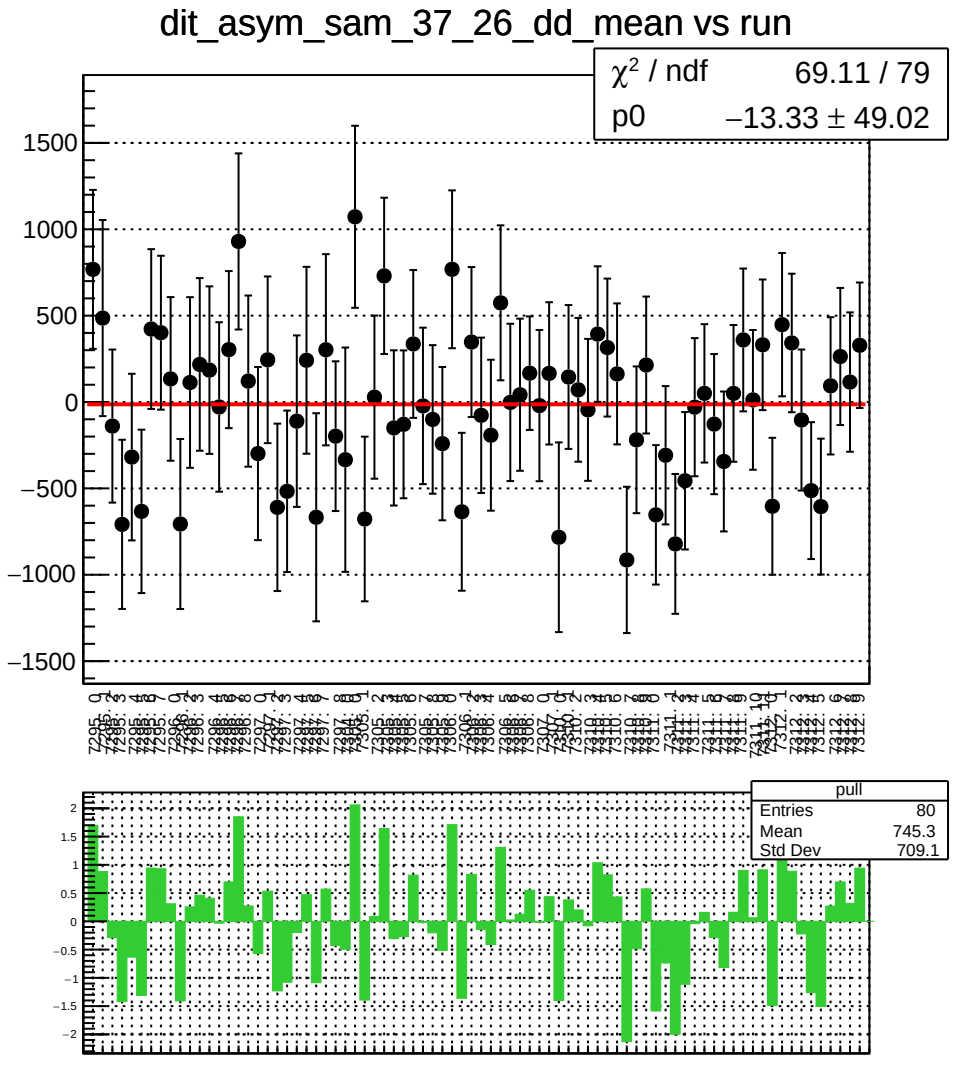

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 66.14 / 79
p0 −41.19 ± 353
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −25.2
Std Dev 32.03
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.004276
Std Dev 0.9093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

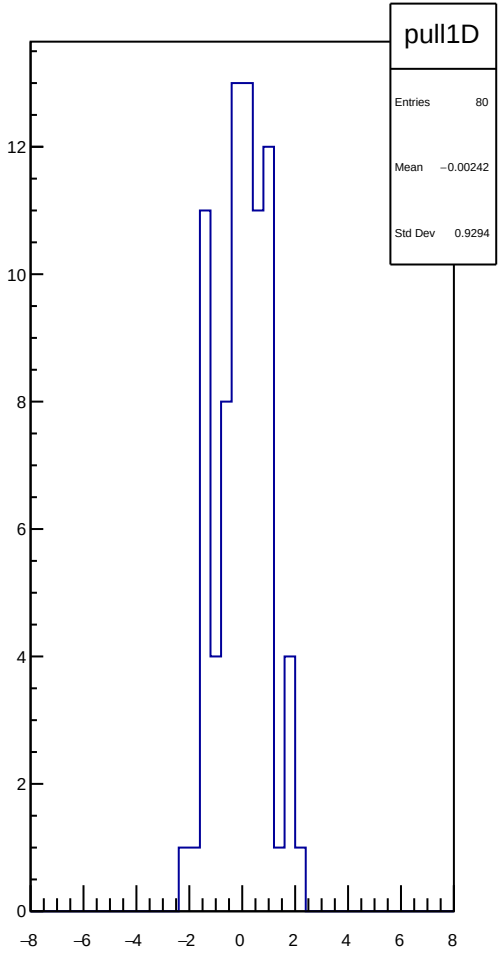

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3297 / 79
p0 302.2 ± 0.2496
340
330
320
310
300
290
280
270

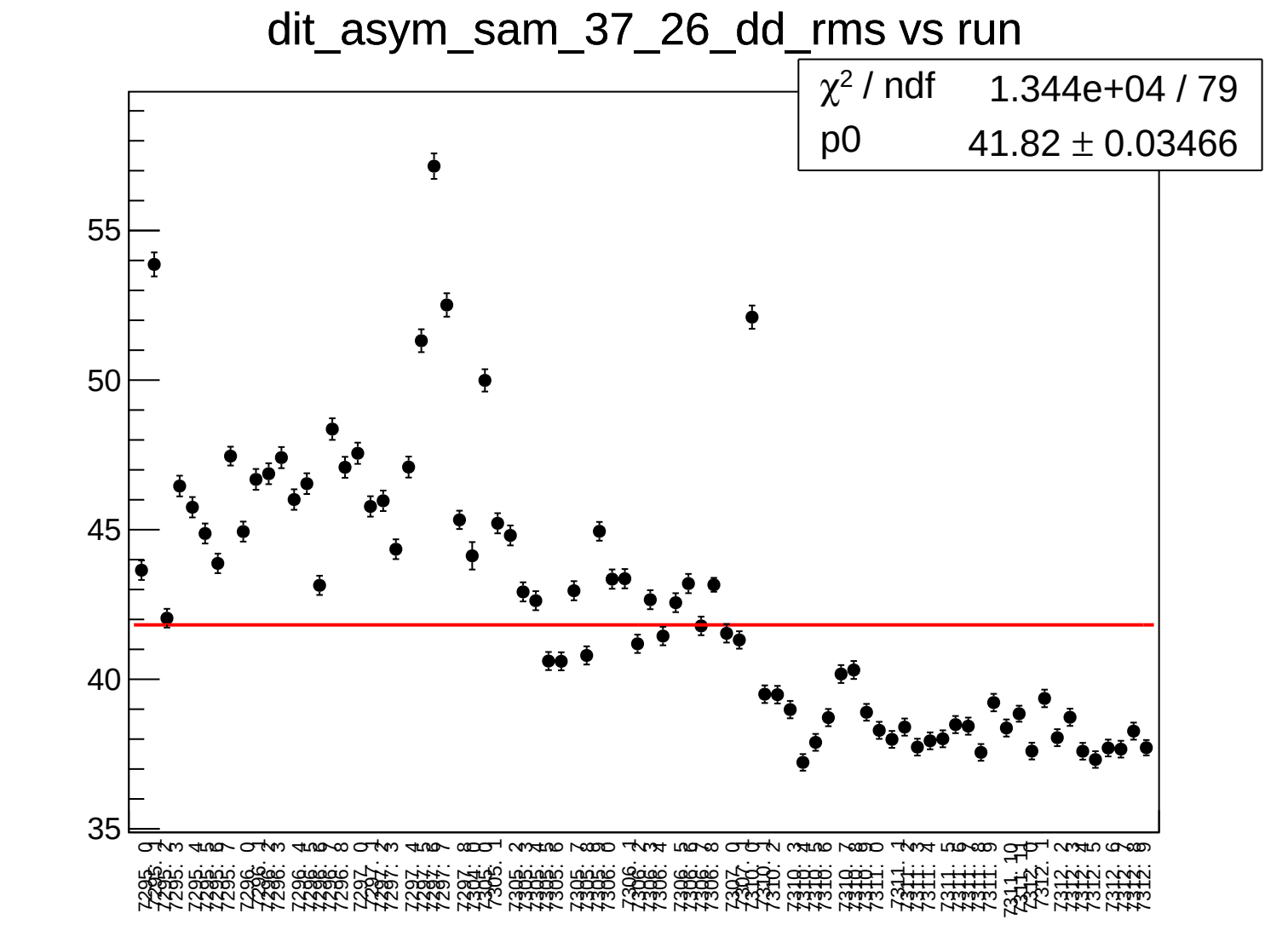

asym_sam_15_26_dd_mean vs run
χ² / ndf 68.48 / 79
p0 110.6 ± 343.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 0.9409
Std Dev 40.95
2
1.5
1
0.5
0
−0.5
−1
−1.5

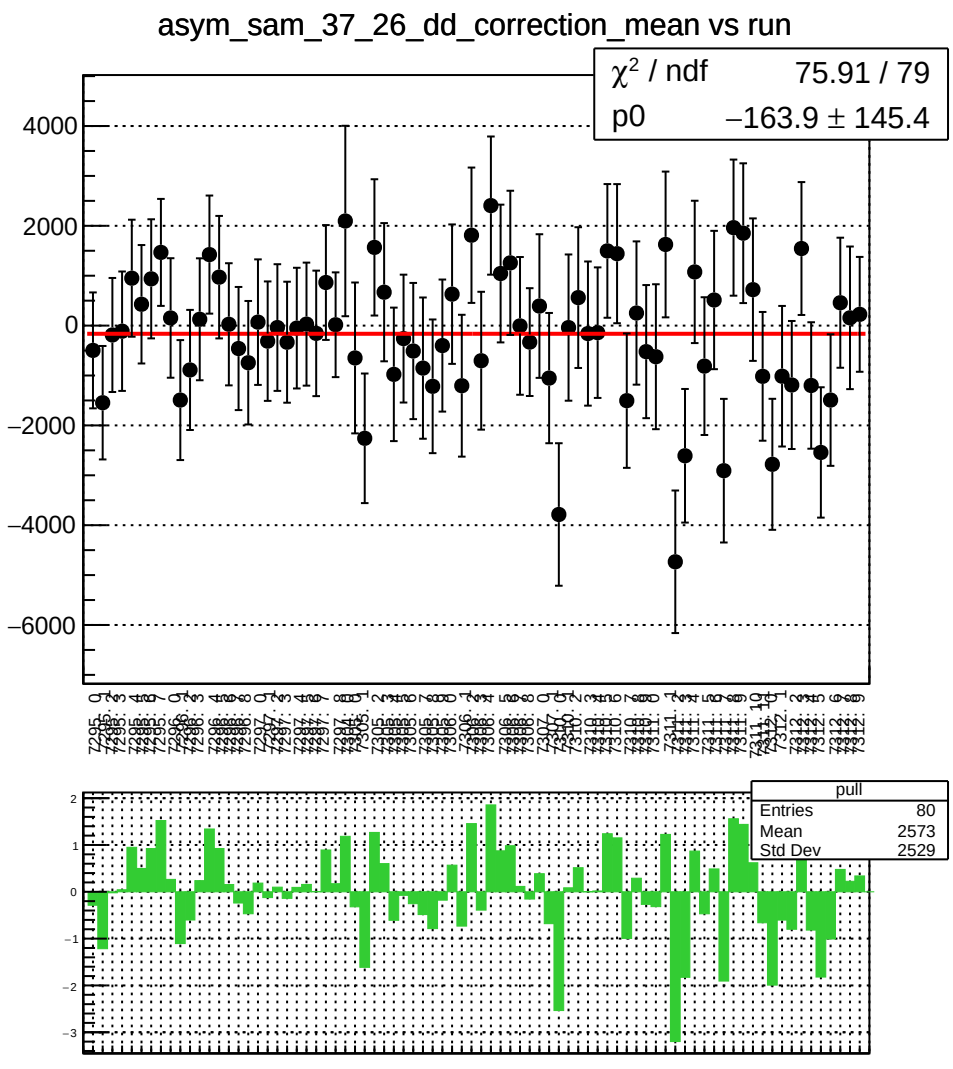

pull1D
Entries 80
Mean −0.003836
Std Dev 0.9252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

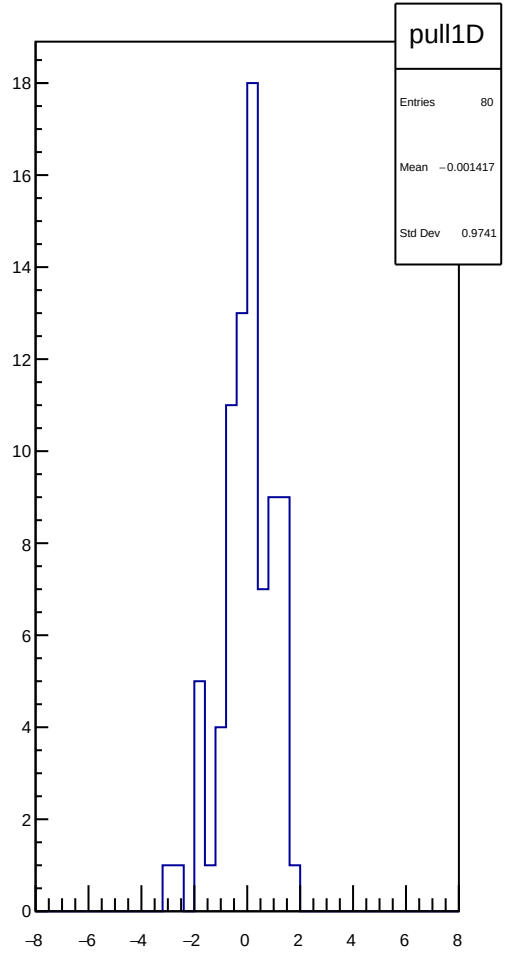

asym_sam_15_26_dd_rms vs run
χ² / ndf 7669 / 79
p0 293.9 ± 0.2432
360
340
320
300
280
260
240

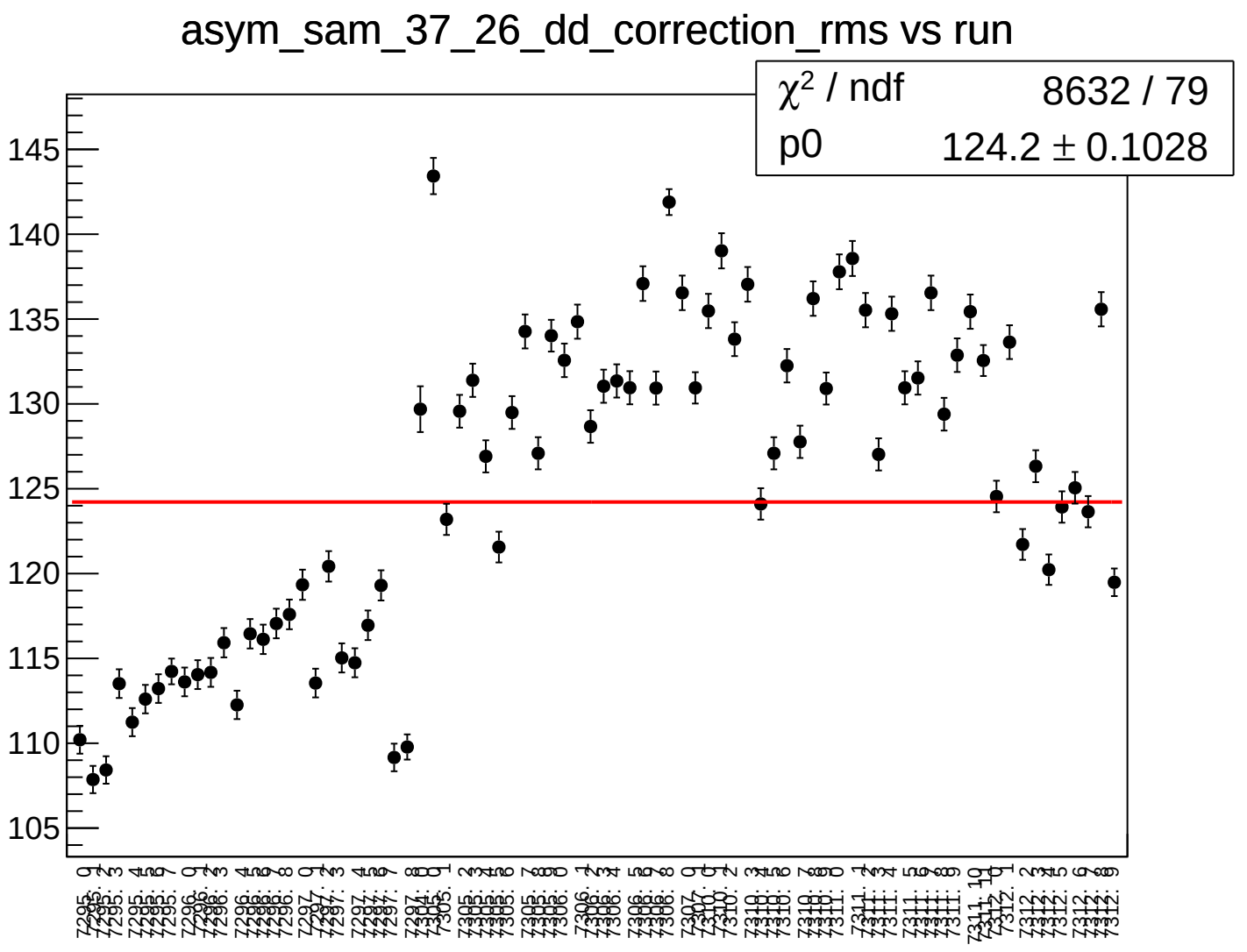

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 69.11 / 79
p0 −13.33 ± 49.02
pull
Entries 80
Mean 745.3
Std Dev 709.1

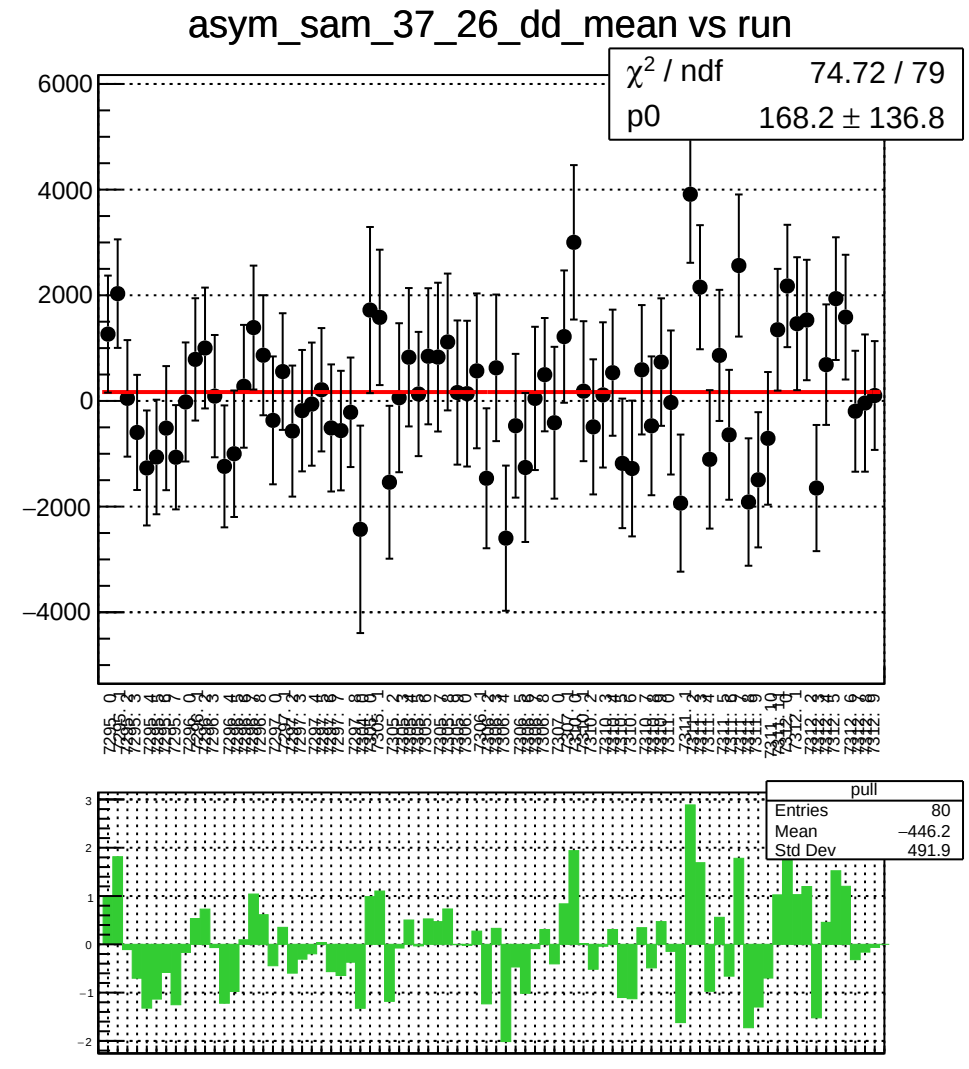

pull1D
Entries 80
Mean −0.00242
Std Dev 0.9294

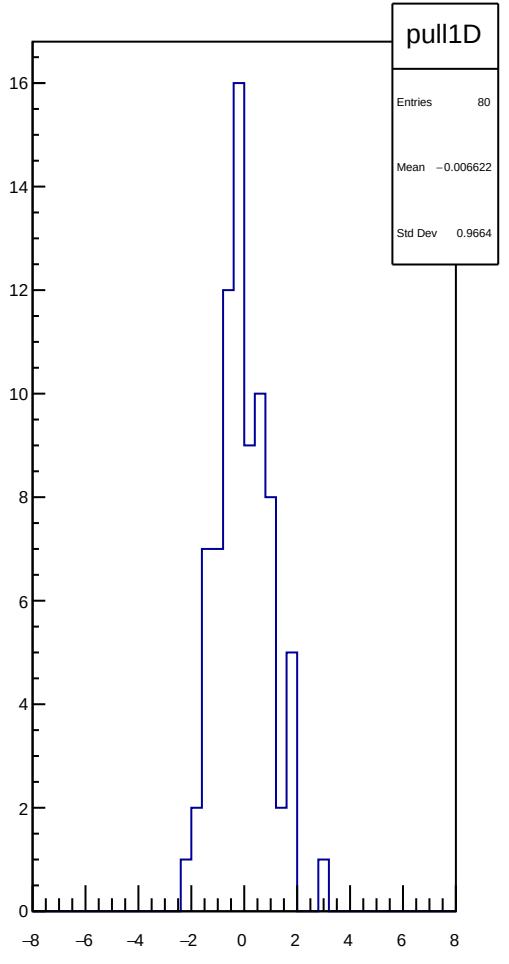

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.344e+04 / 79
p0 41.82 ± 0.03466
55
50
45
40
35

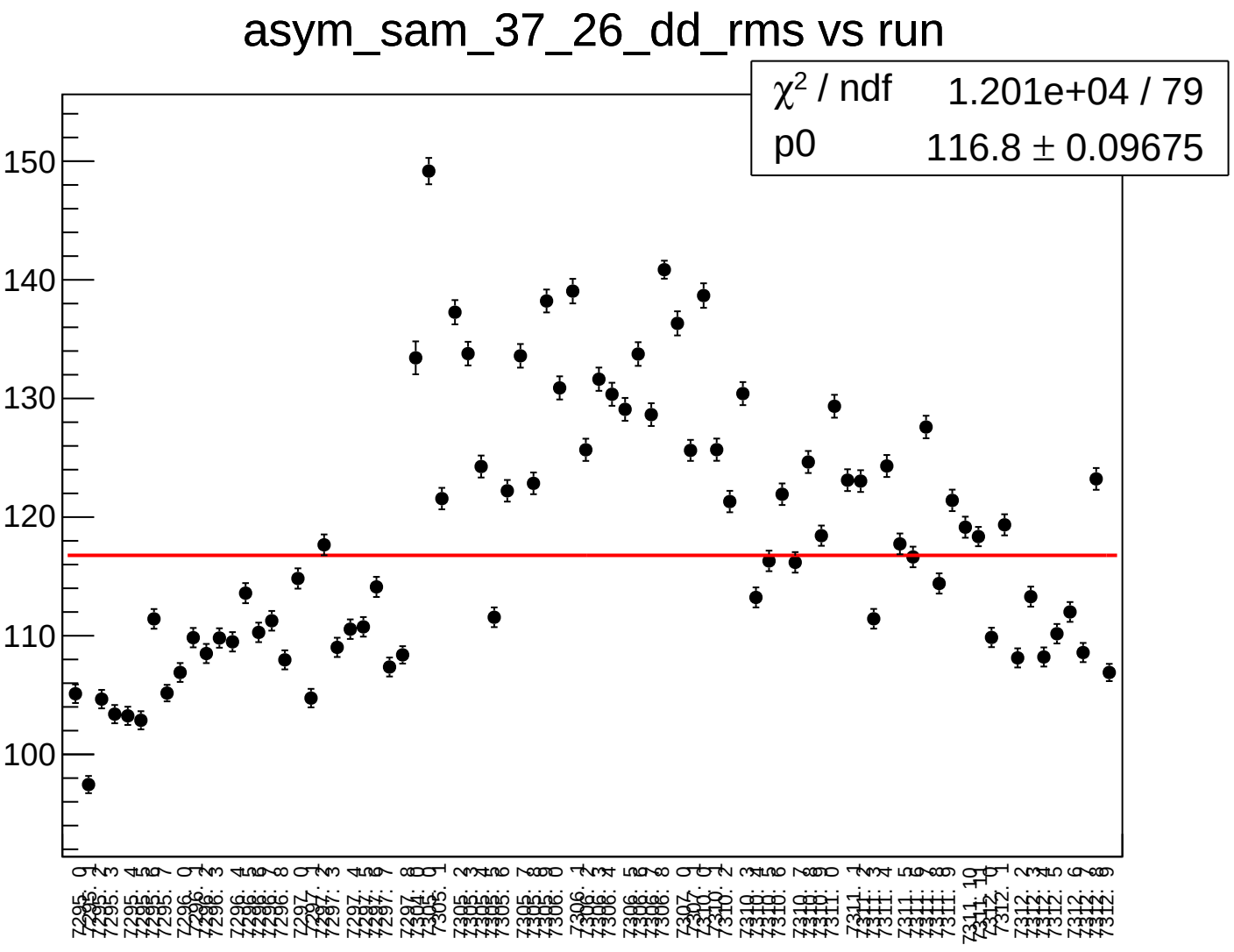

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 75.91 / 79
p0 −163.9 ± 145.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 2573
Std Dev 2529
2
1
0
−1
−2
−3

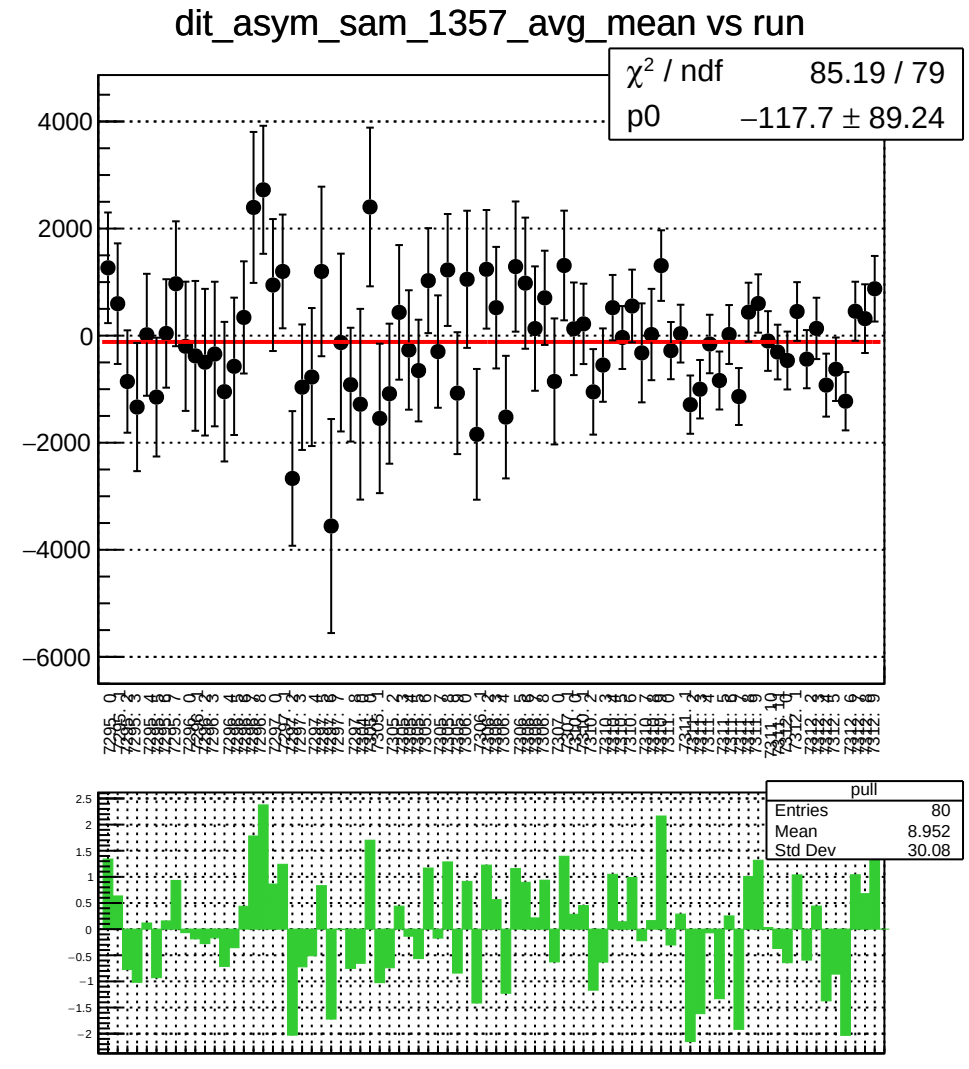

pull1D
Entries 80
Mean −0.001417
Std Dev 0.9741
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

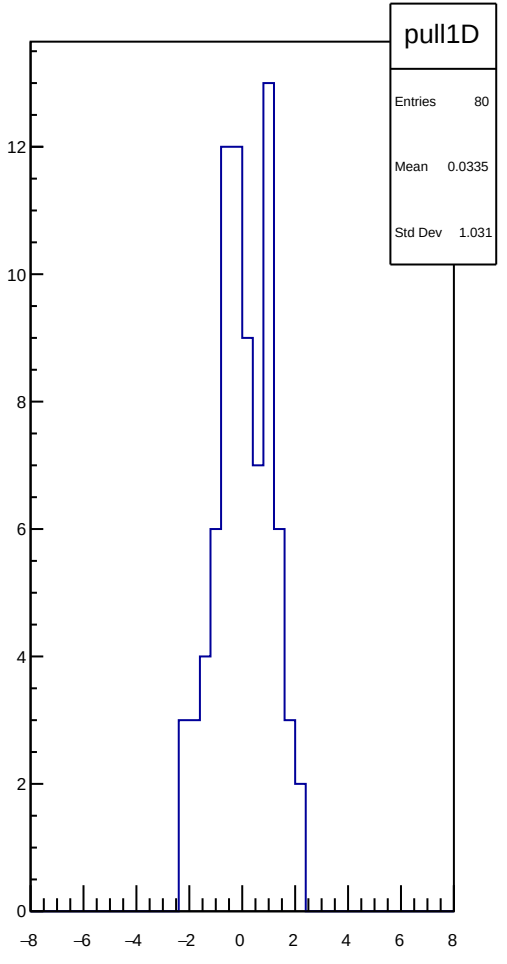

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 8632 / 79
p0 124.2 ± 0.1028
145
140
135
130
125
120
115
110
105

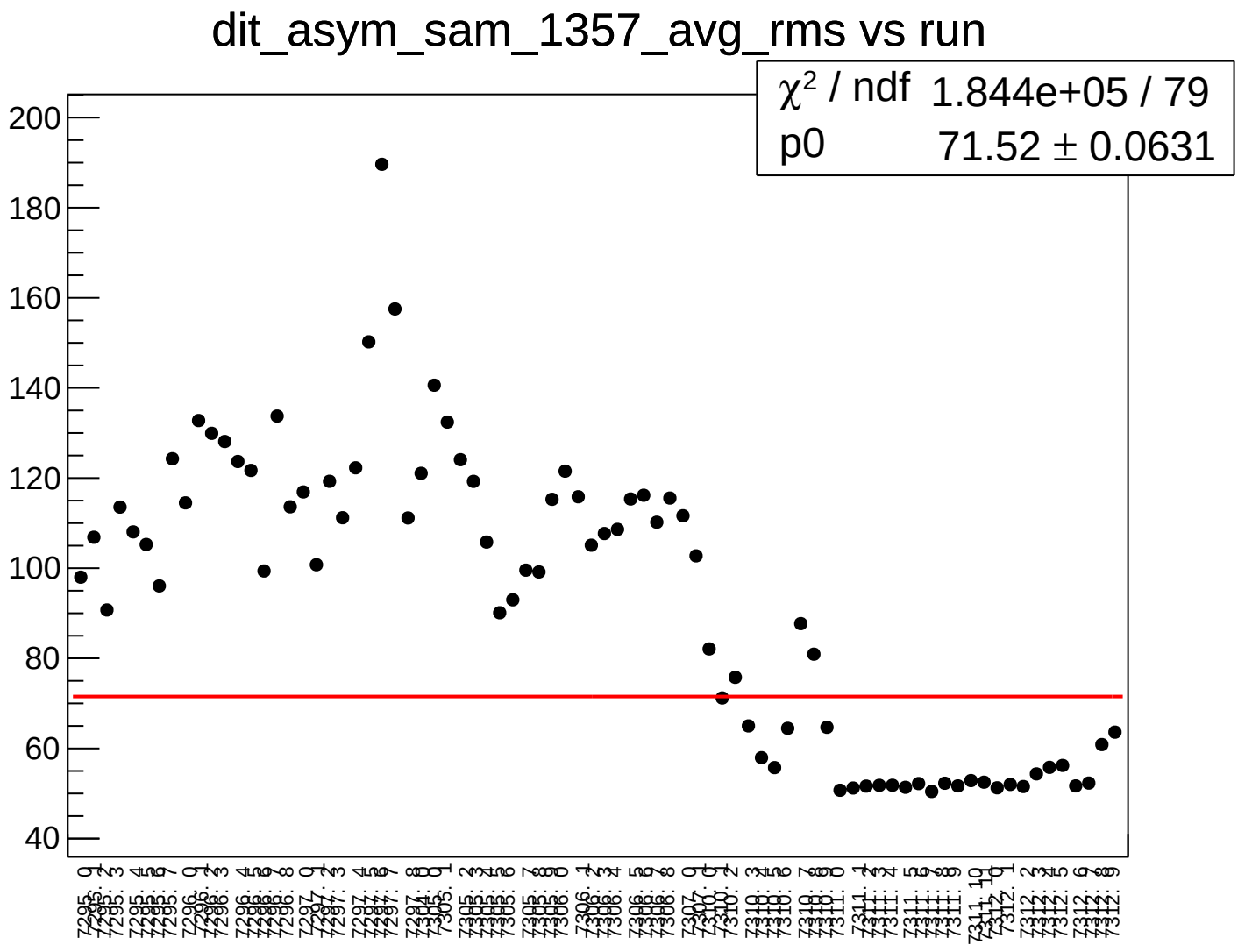

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 74.72 / 79
p0 168.2 ± 136.8
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −446.2
Std Dev 491.9
3
2
1
0
−1
−2

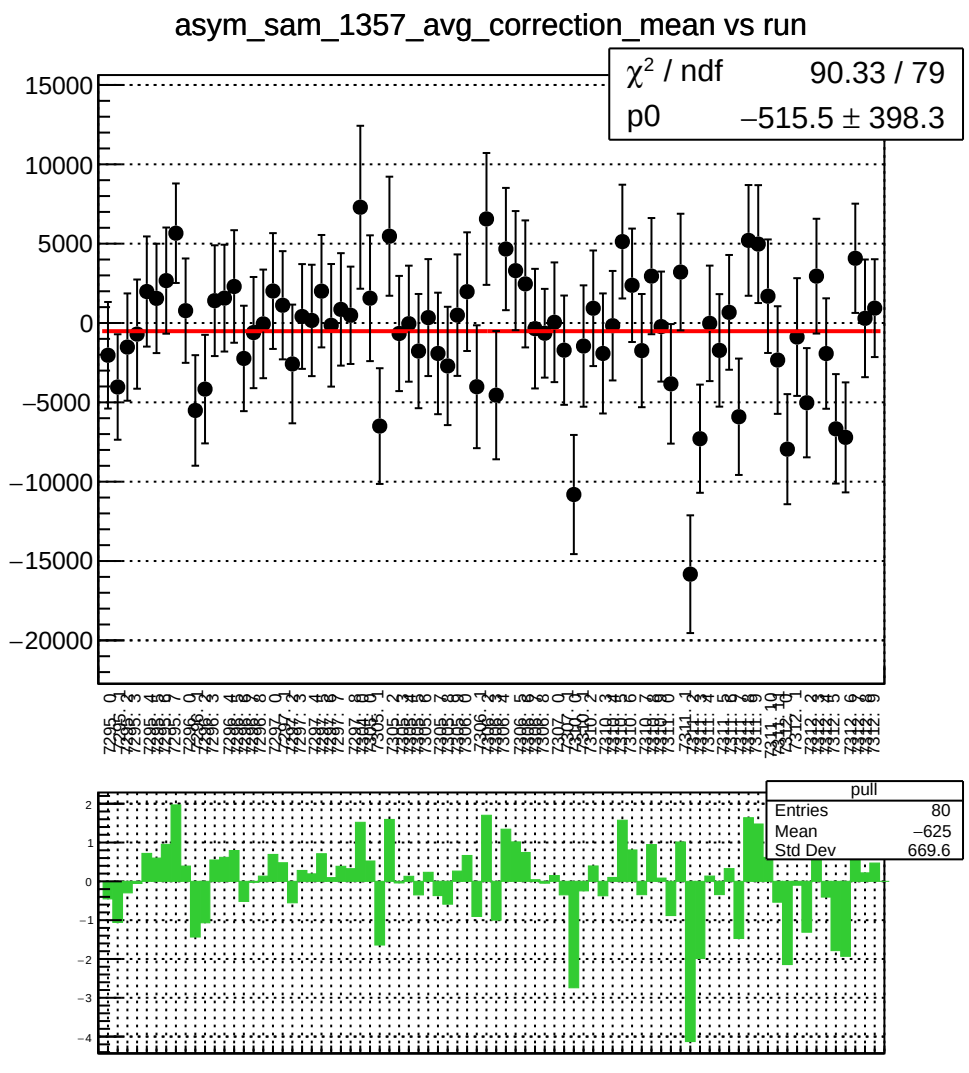

pull1D
Entries 80
Mean −0.006622
Std Dev 0.9664
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

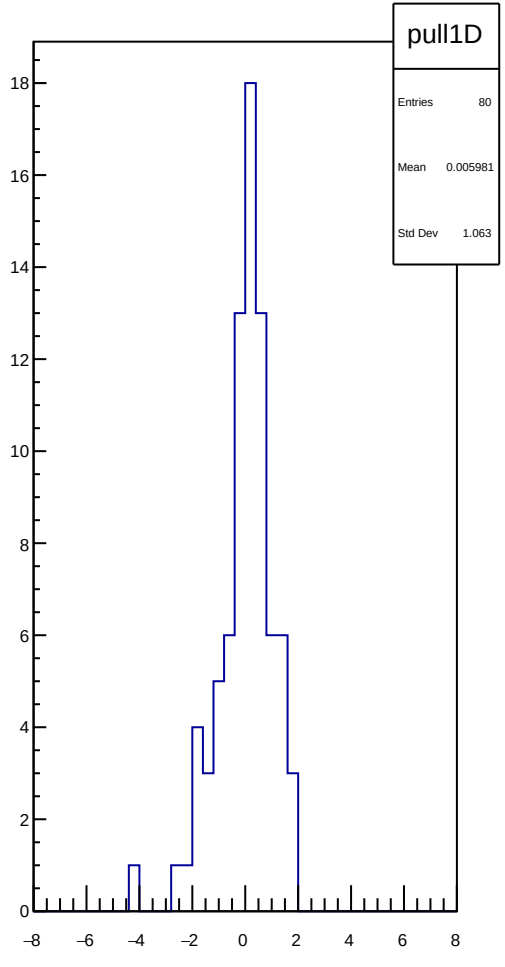

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.201e+04 / 79
p0 116.8 ± 0.09675
150
140
130
120
110
100

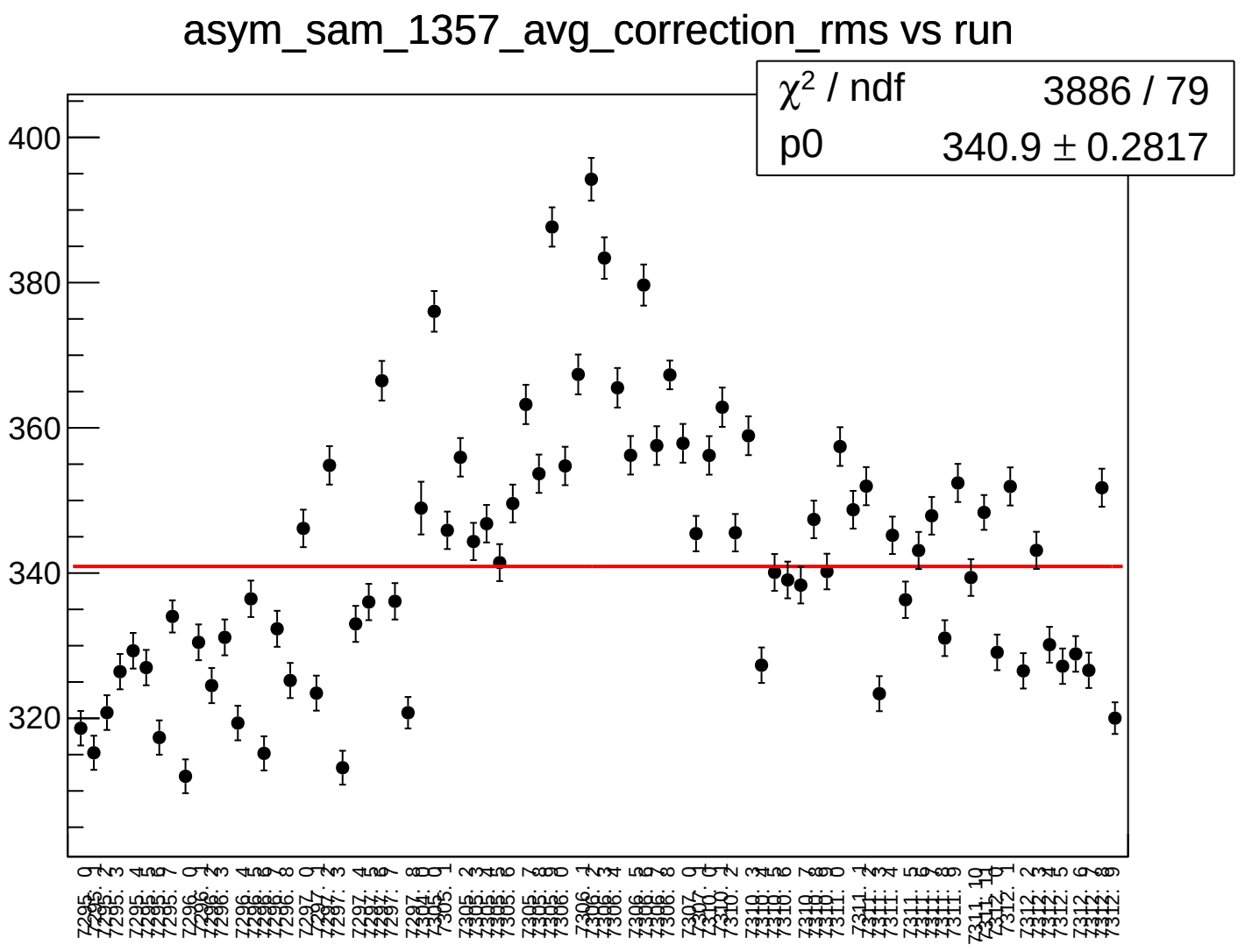

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 85.19 / 79
p0 −117.7 ± 89.24
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean 8.952
Std Dev 30.08
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

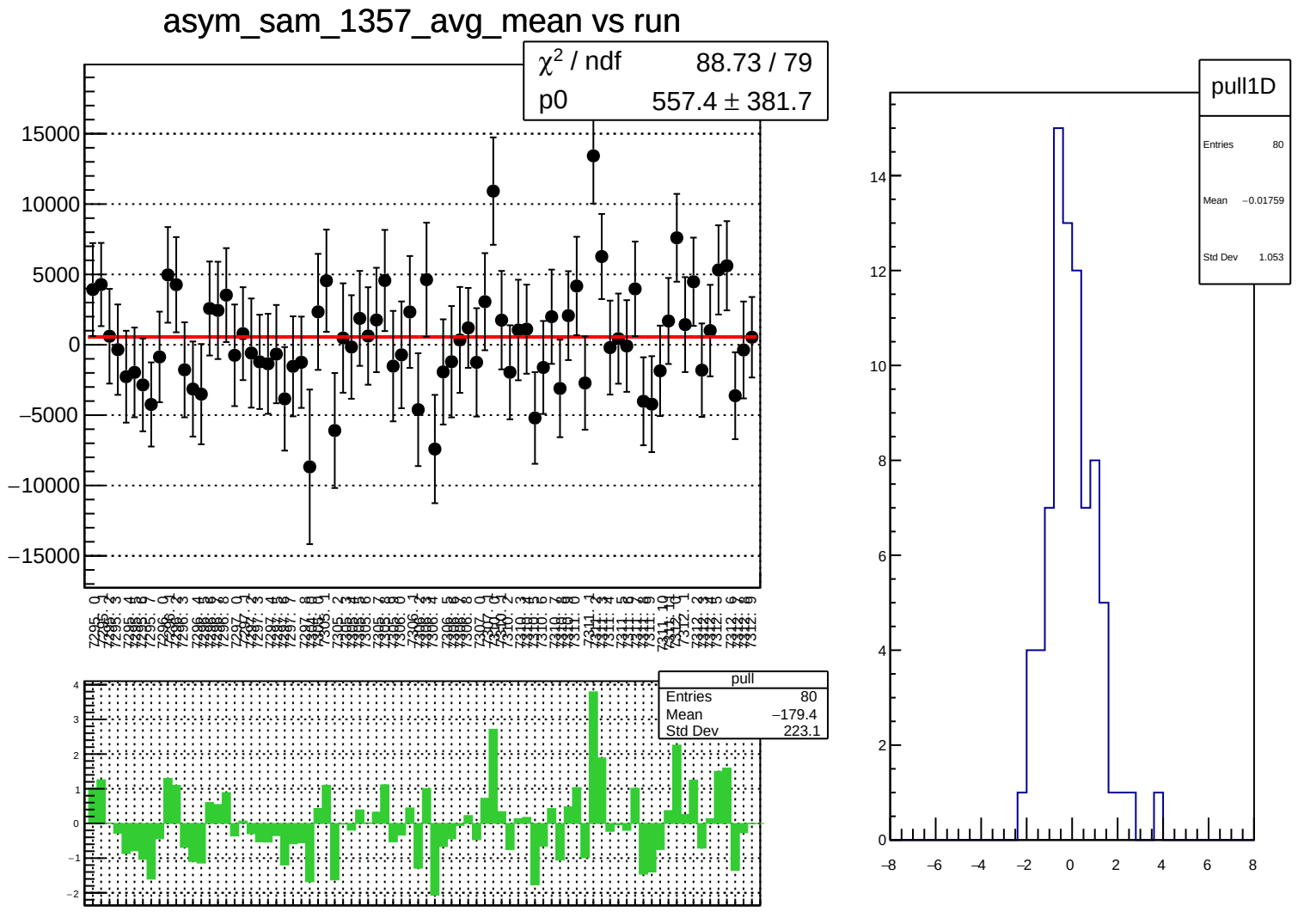

pull1D
Entries 80
Mean 0.0335
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

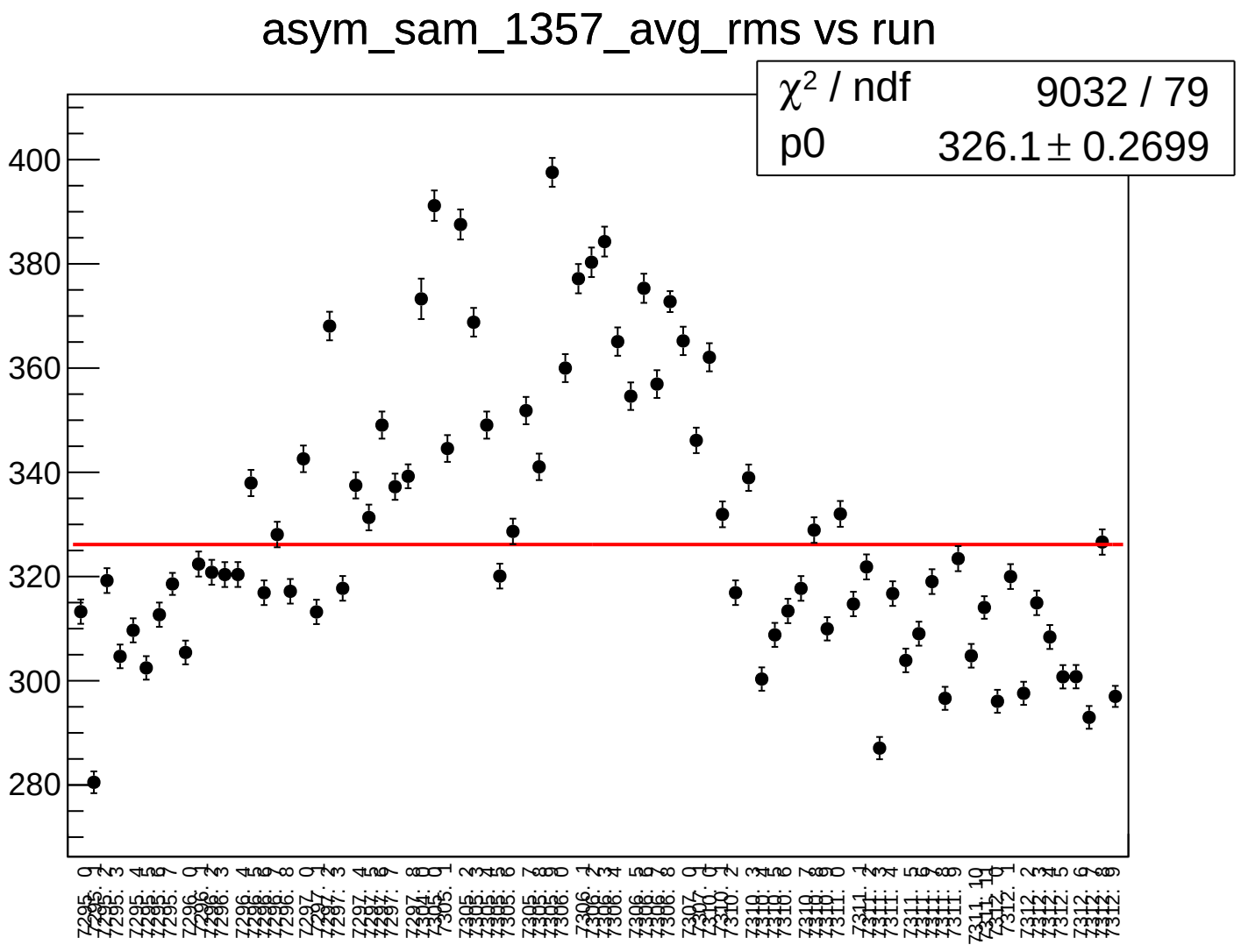

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.844e+05 / 79
p0 71.52 ± 0.0631
200
180
160
140
120
100
80
60
40

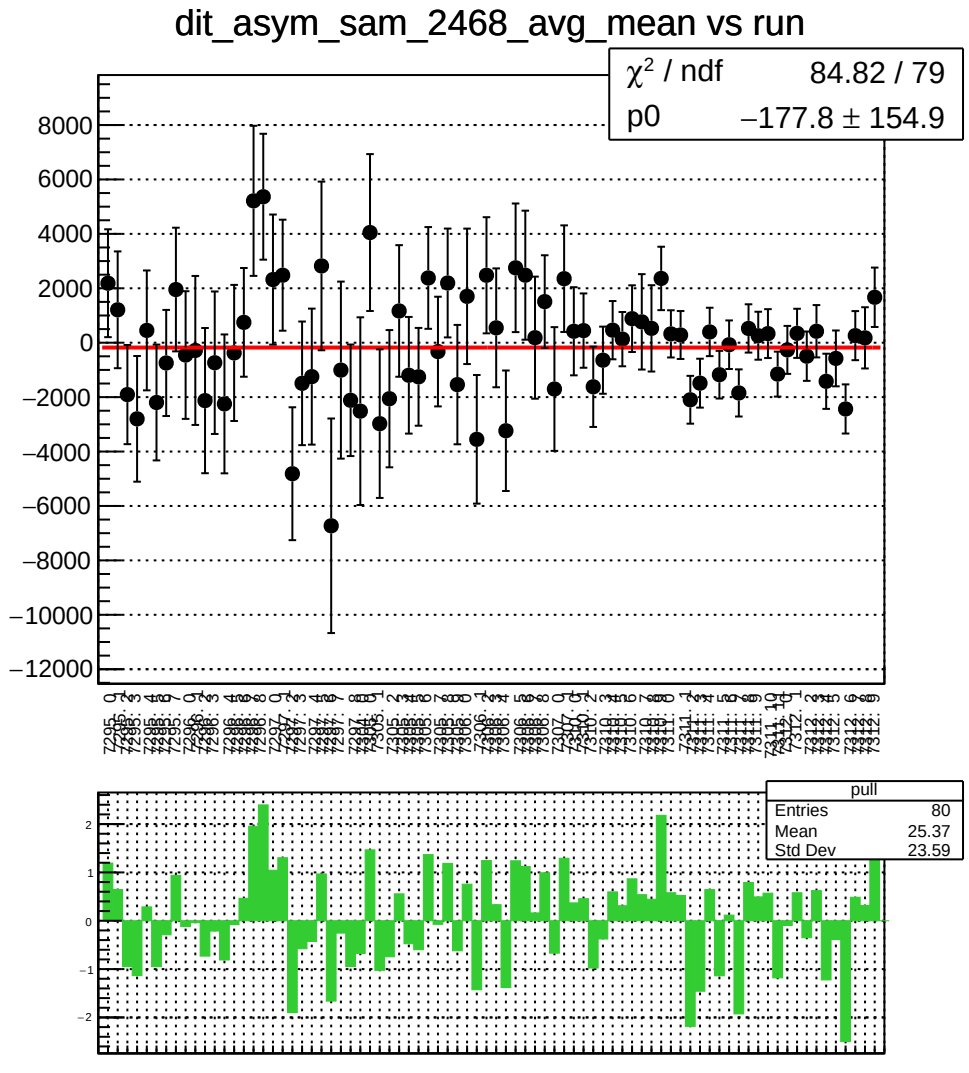

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 90.33 / 79
p0 −515.5 ± 398.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −625
Std Dev 669.6
2
1
0
−1
−2
−3
−4

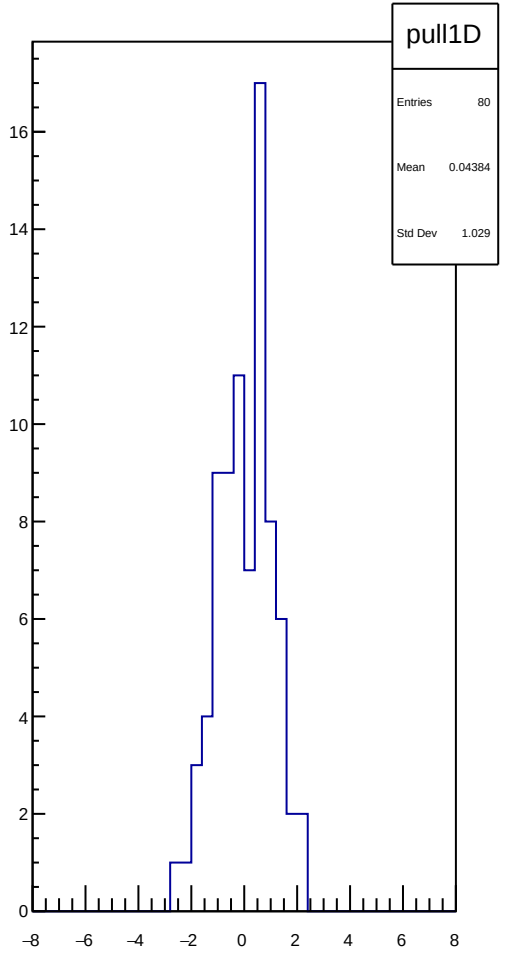

pull1D
Entries 80
Mean 0.005981
Std Dev 1.063
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

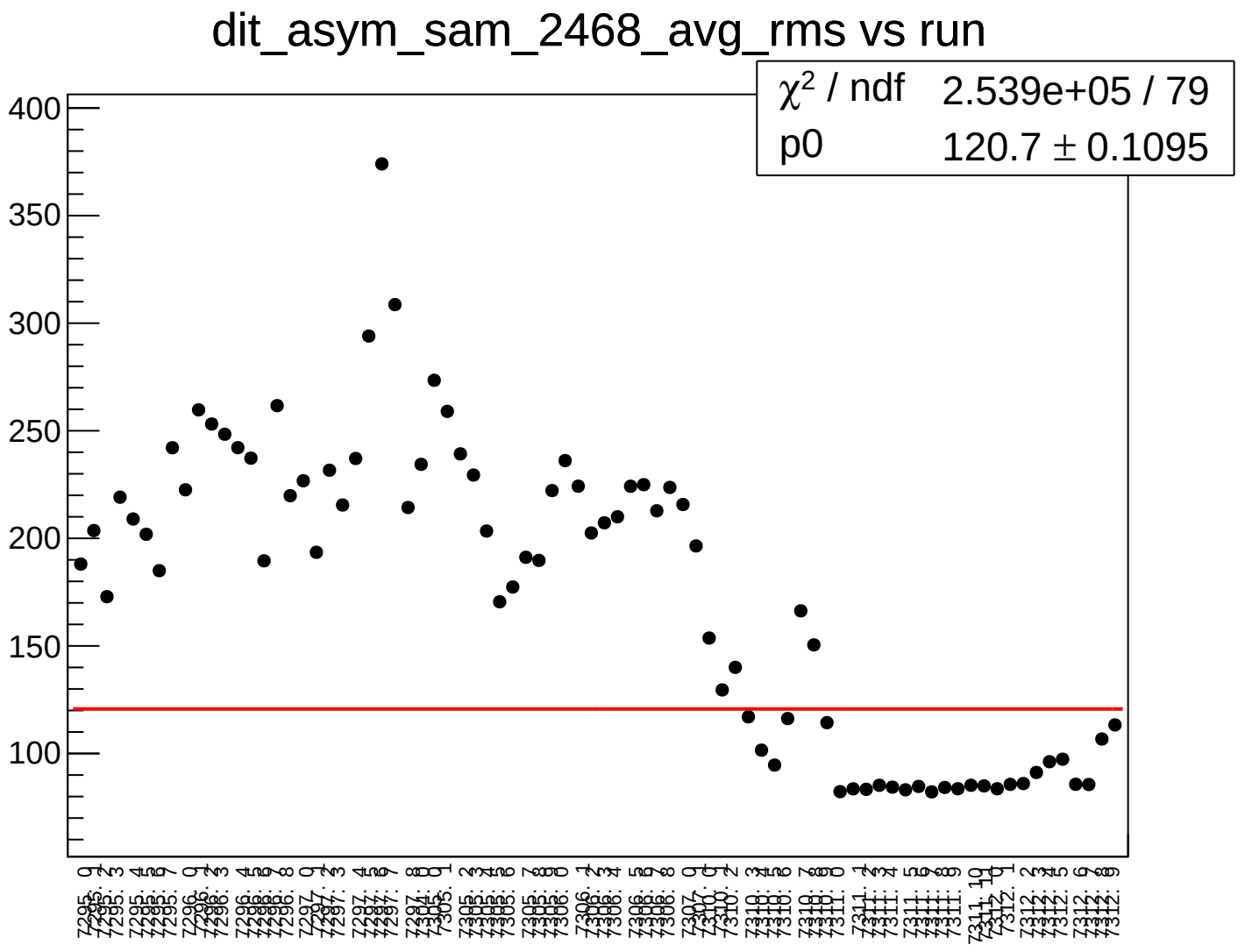

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 3886 / 79
p0 340.9 ± 0.2817
400
380
360
340
320

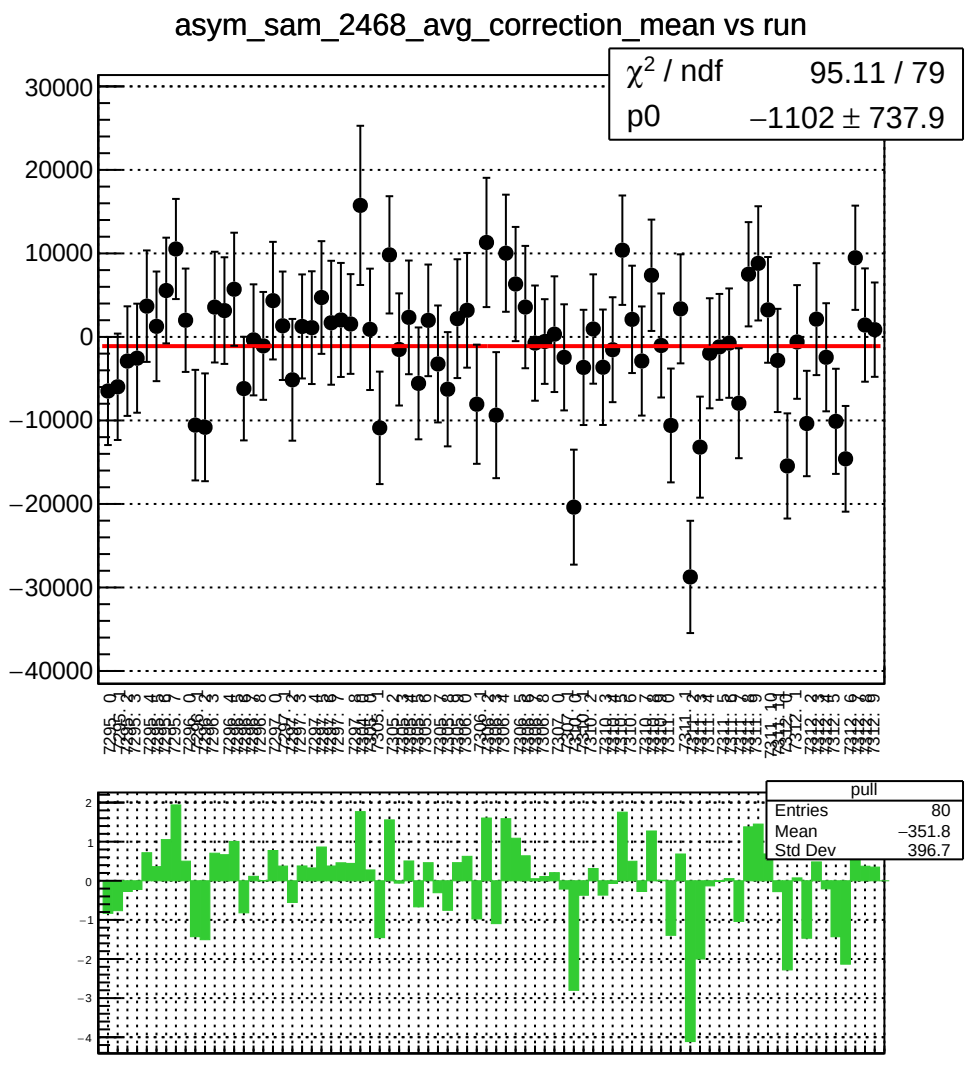

asym_sam_1357_avg_mean vs run
χ² / ndf 88.73 / 79
p0 557.4 ± 381.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −179.4
Std Dev 223.1
pull1D
Entries 80
Mean −0.01759
Std Dev 1.053

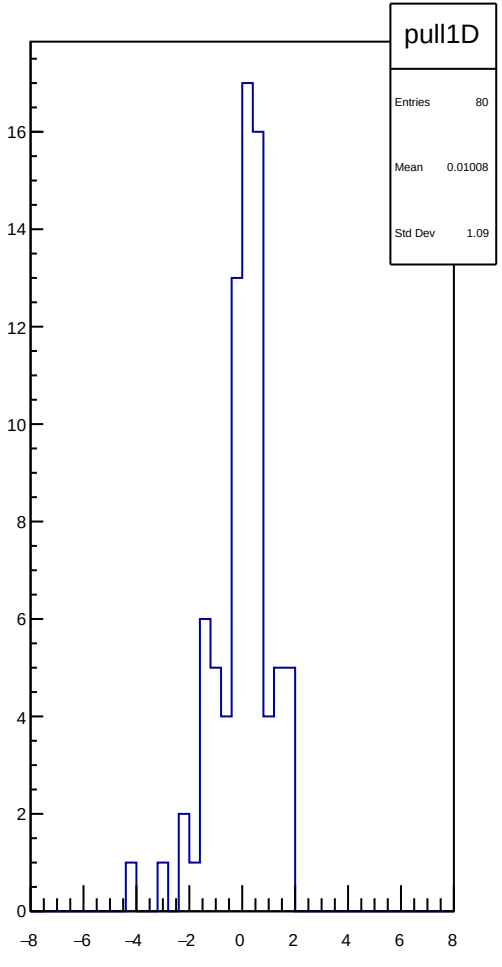

asym_sam_1357_avg_rms vs run
χ² / ndf 9032 / 79
p0 326.1 ± 0.2699
400
380
360
340
320
300
280

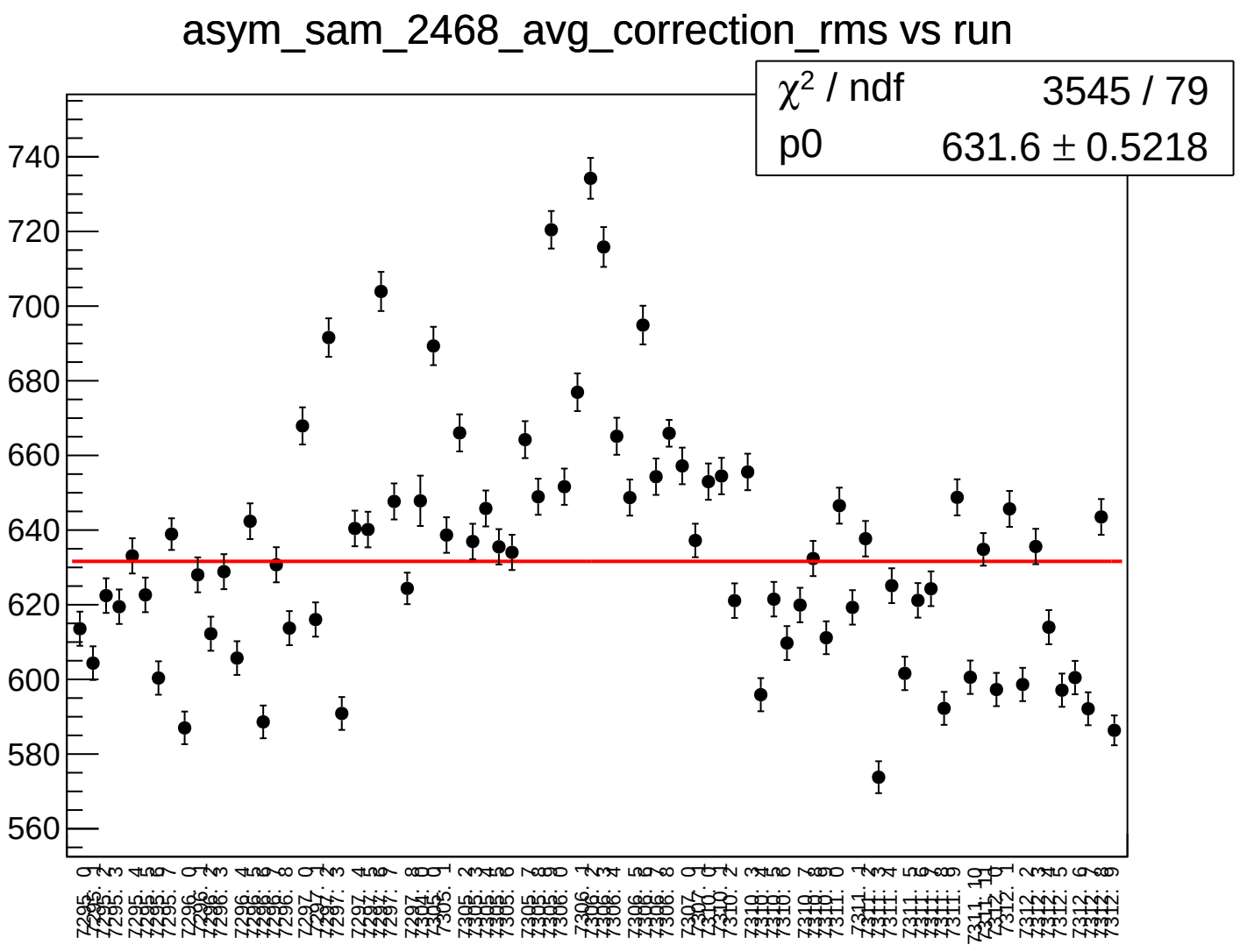

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 84.82 / 79
p0 −177.8 ± 154.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 80
Mean 25.37
Std Dev 23.59
2
1
0
−1
−2

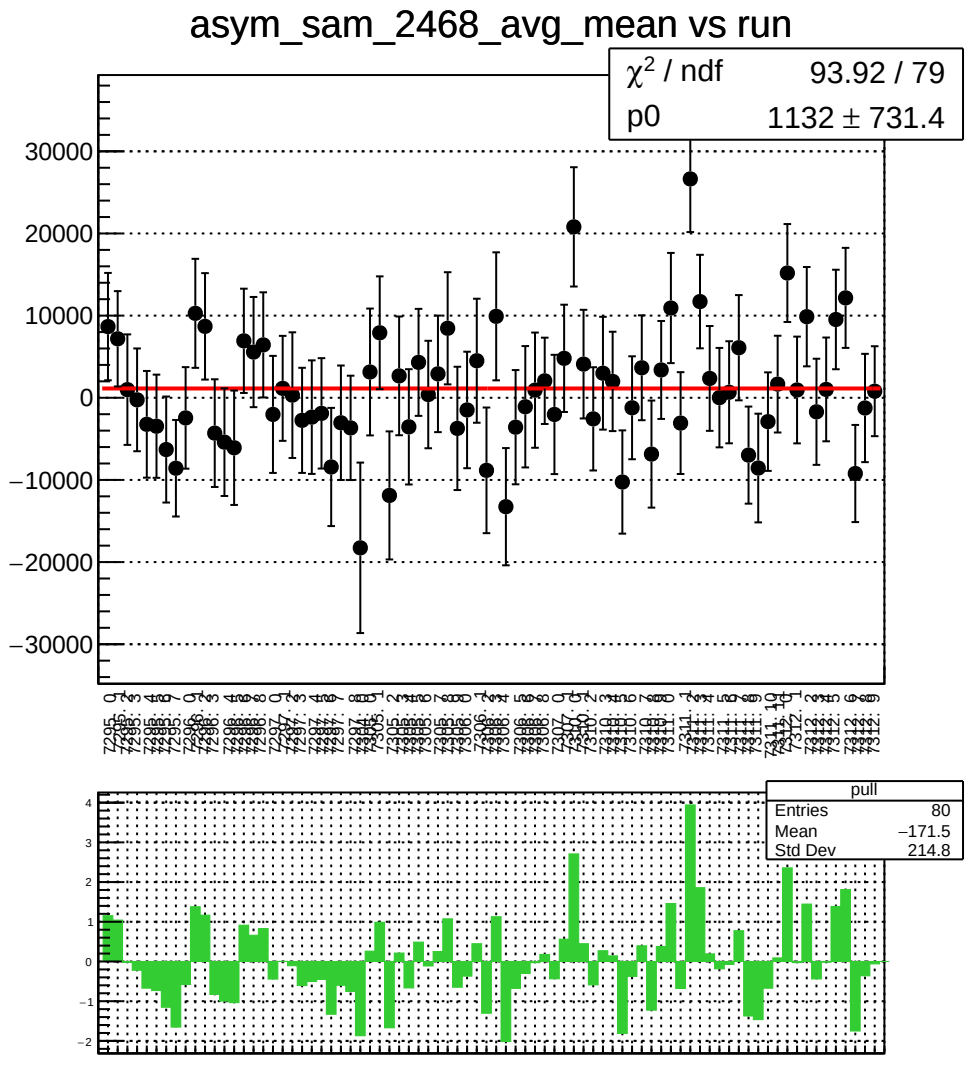

pull1D
Entries 80
Mean 0.04384
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

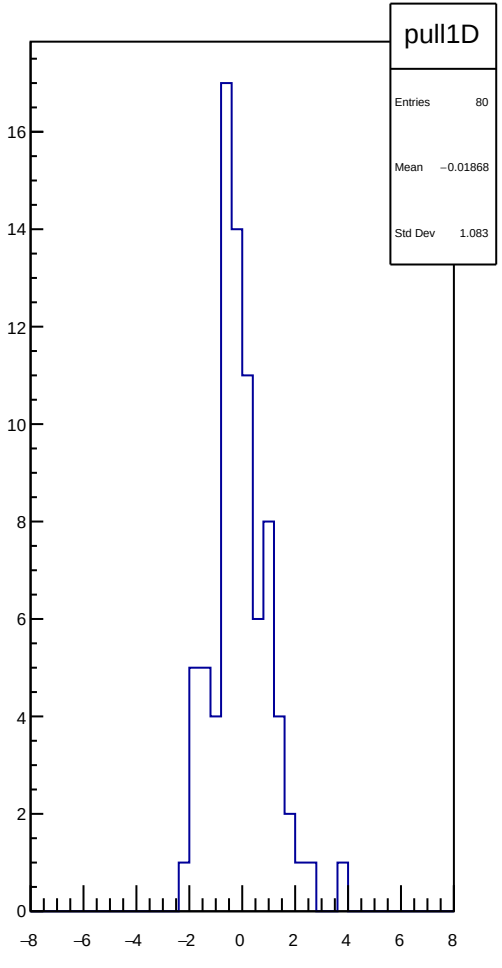

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.539e+05 / 79
p0 120.7 ± 0.1095
400
350
300
250
200
150
100

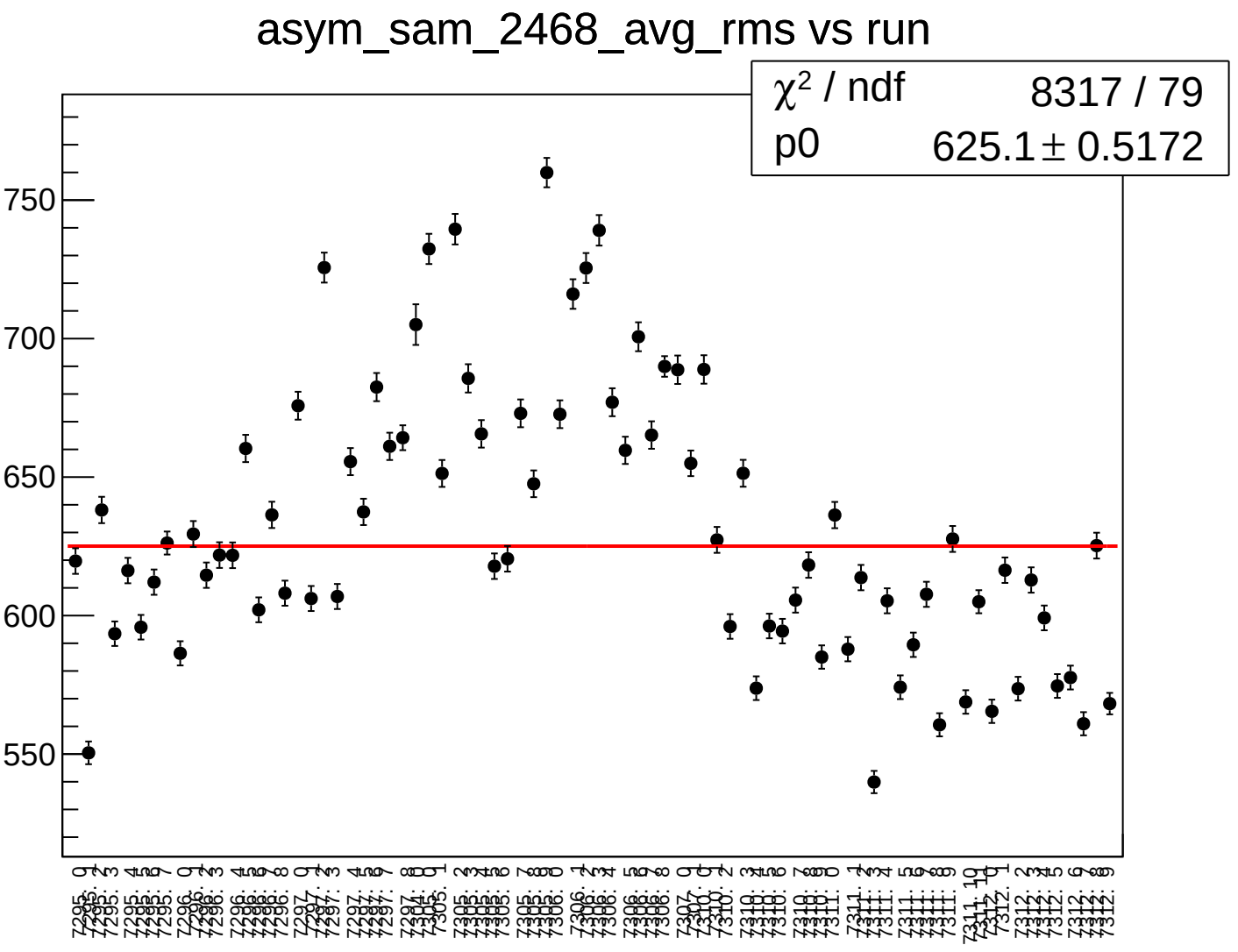

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 95.11 / 79
p0 −1102 ± 737.9
pull
Entries 80
Mean −351.8
Std Dev 396.7

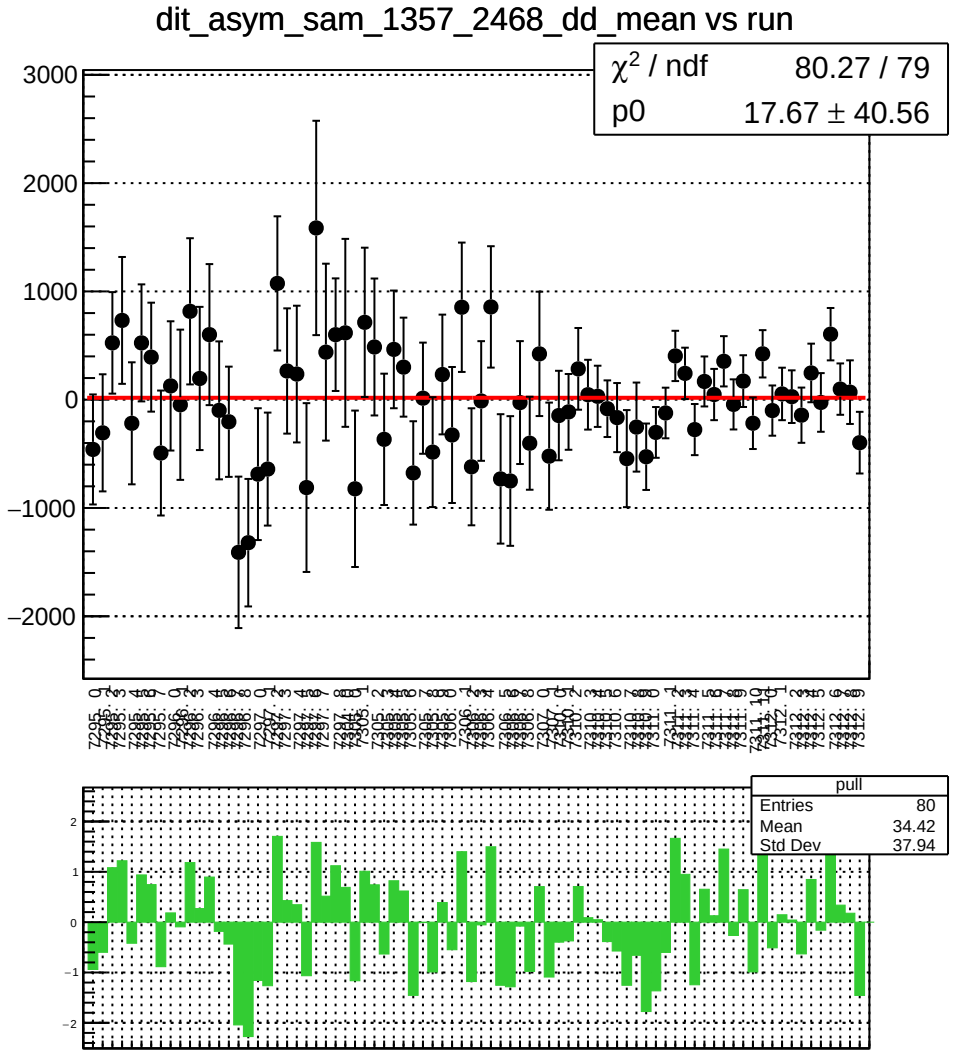

pull1D
Entries 80
Mean 0.01008
Std Dev 1.09

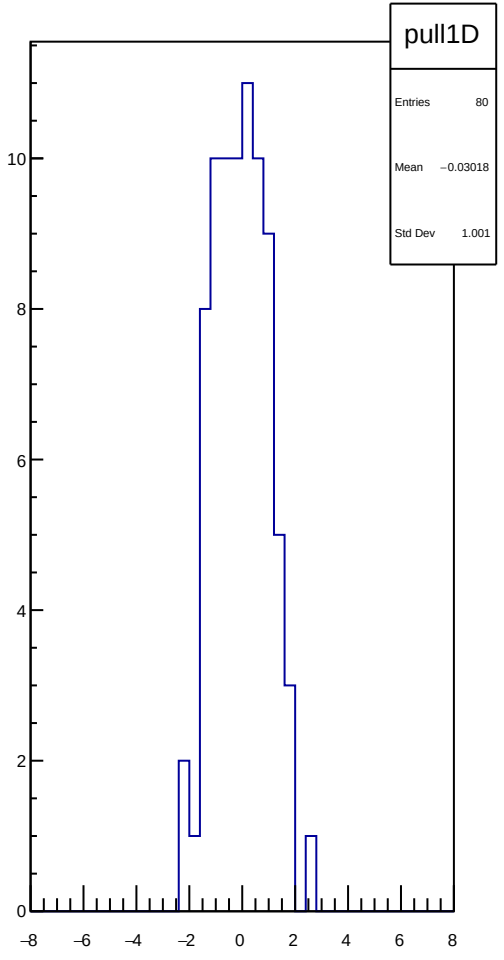

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3545 / 79
p0 631.6 ± 0.5218
740
720
700
680
660
640
620
600
580
560

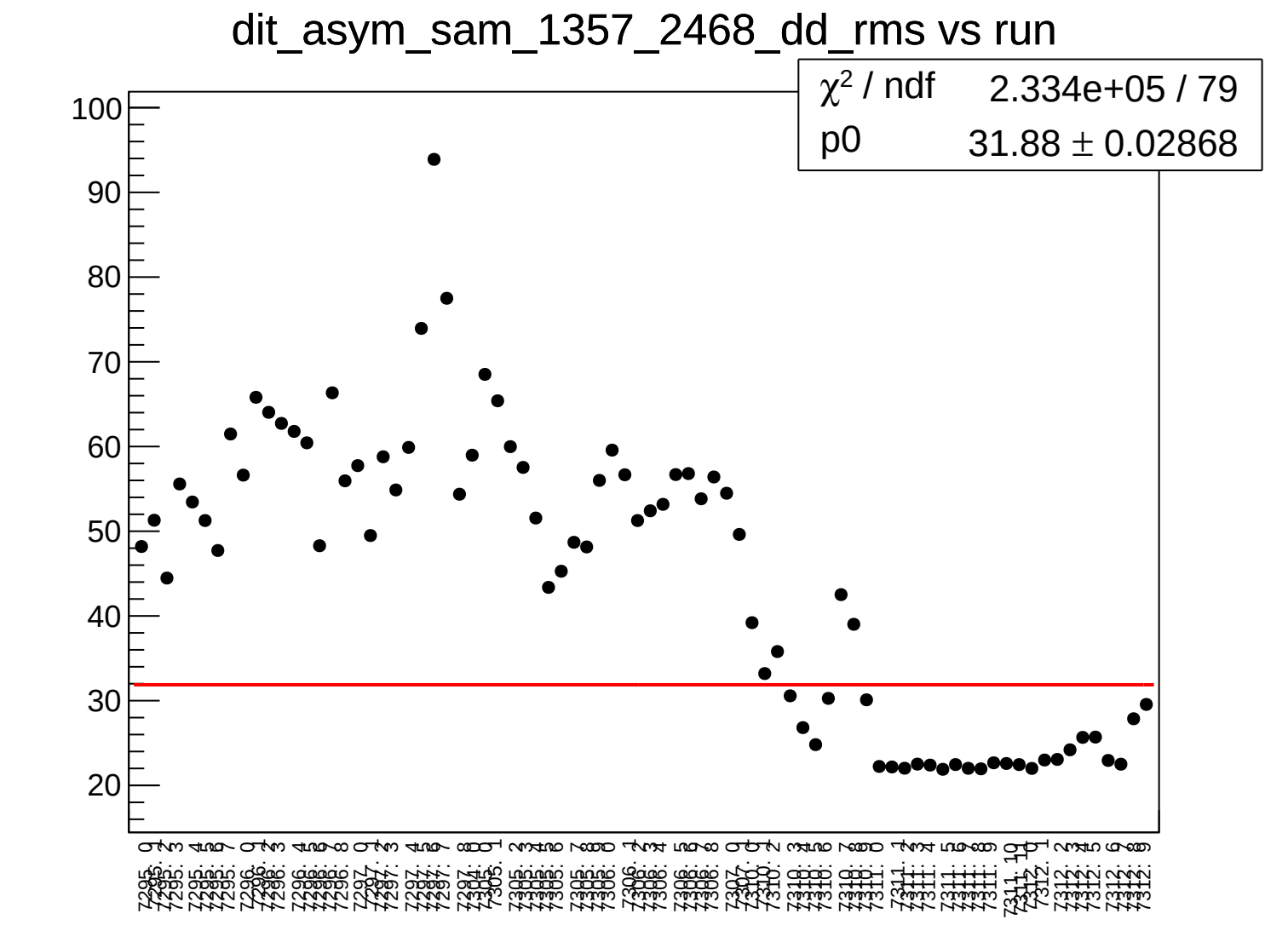

asym_sam_2468_avg_mean vs run
χ² / ndf 93.92 / 79
p0 1132 ± 731.4
pull
Entries 80
Mean −171.5
Std Dev 214.8

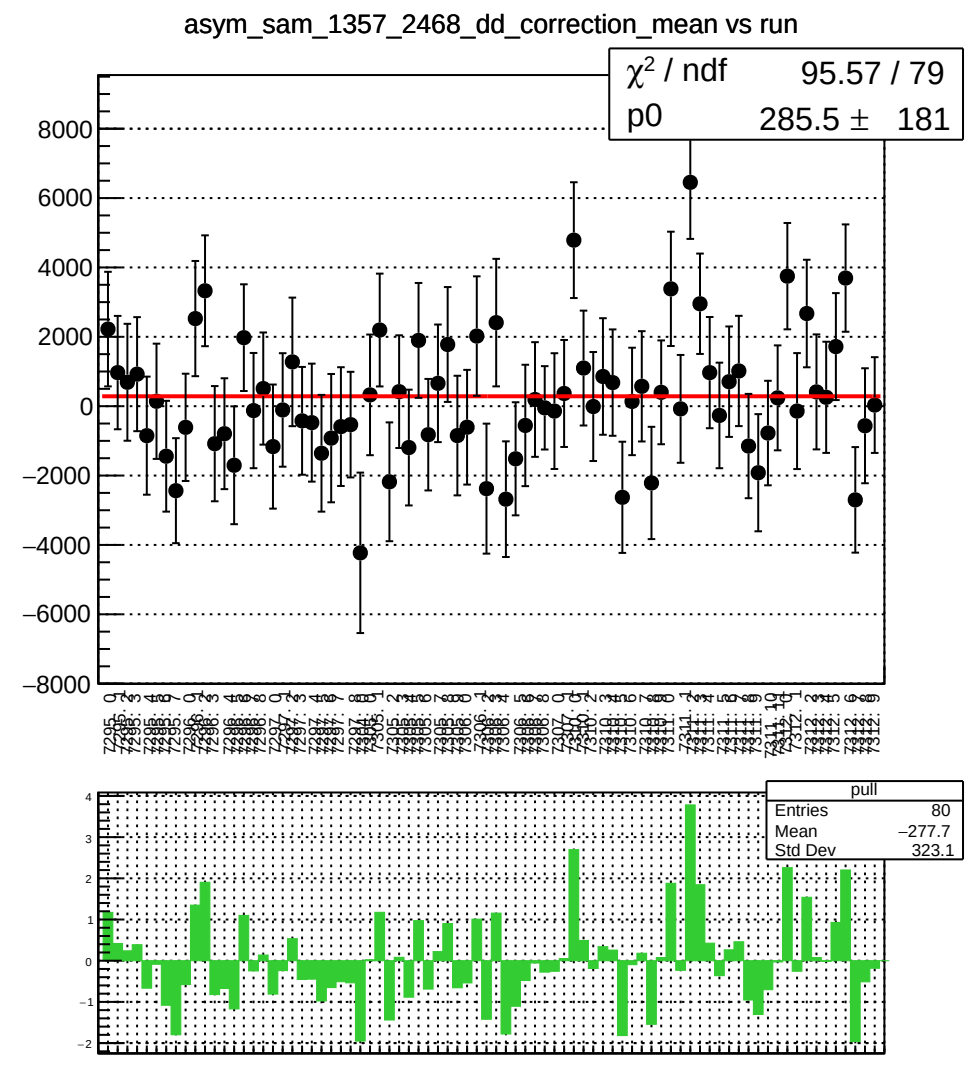

pull1D
Entries 80
Mean −0.01868
Std Dev 1.083

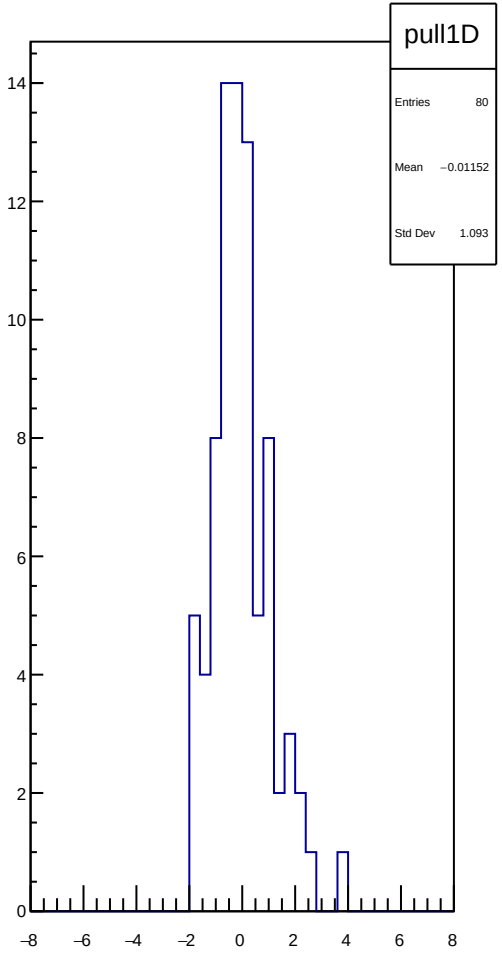

asym_sam_2468_avg_rms vs run
χ² / ndf 8317 / 79
p0 625.1 ± 0.5172
750
700
650
600
550

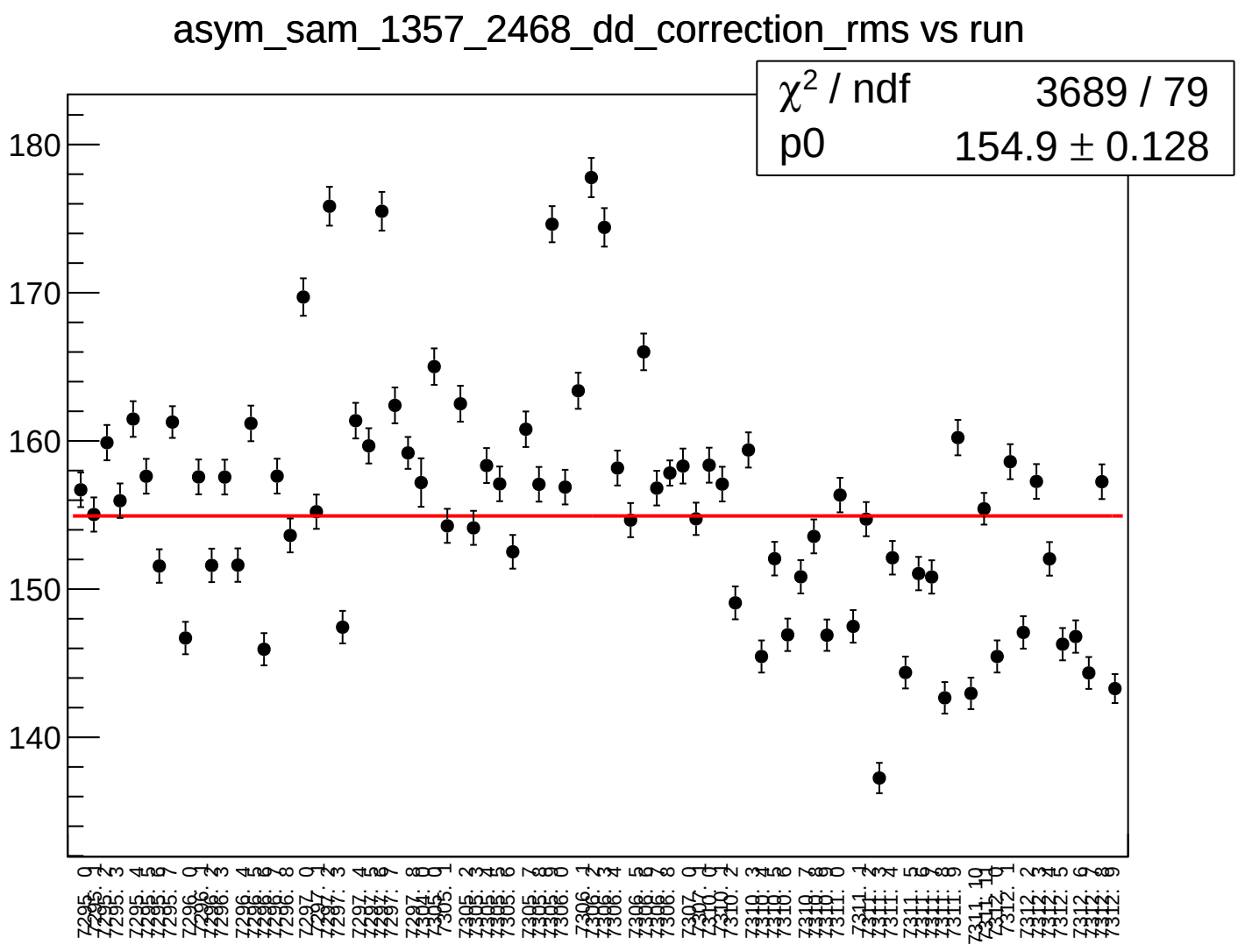

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 80.27 / 79
p0 17.67 ± 40.56
pull
Entries 80
Mean 34.42
Std Dev 37.94

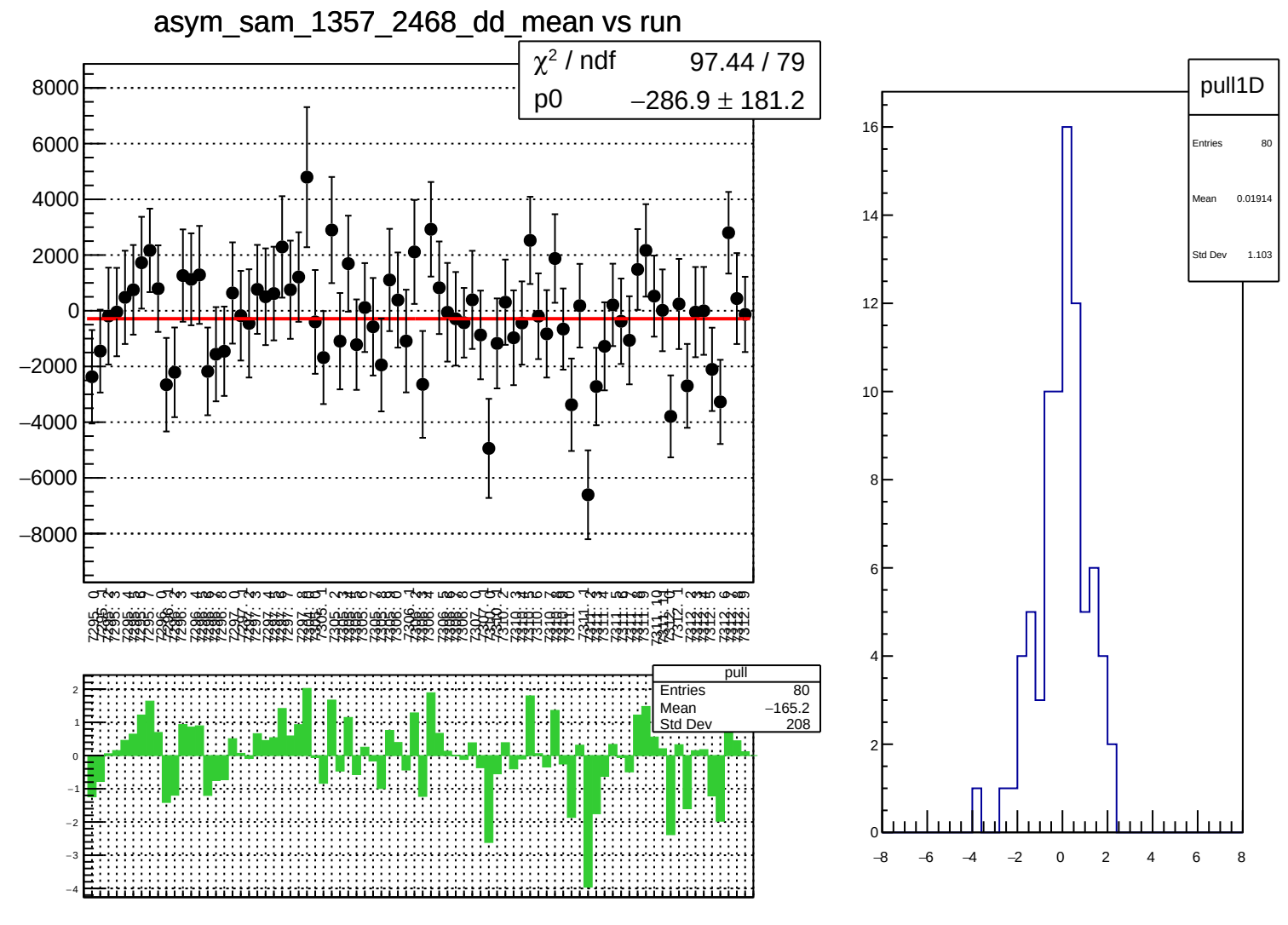

pull1D
Entries 80
Mean −0.03018
Std Dev 1.001

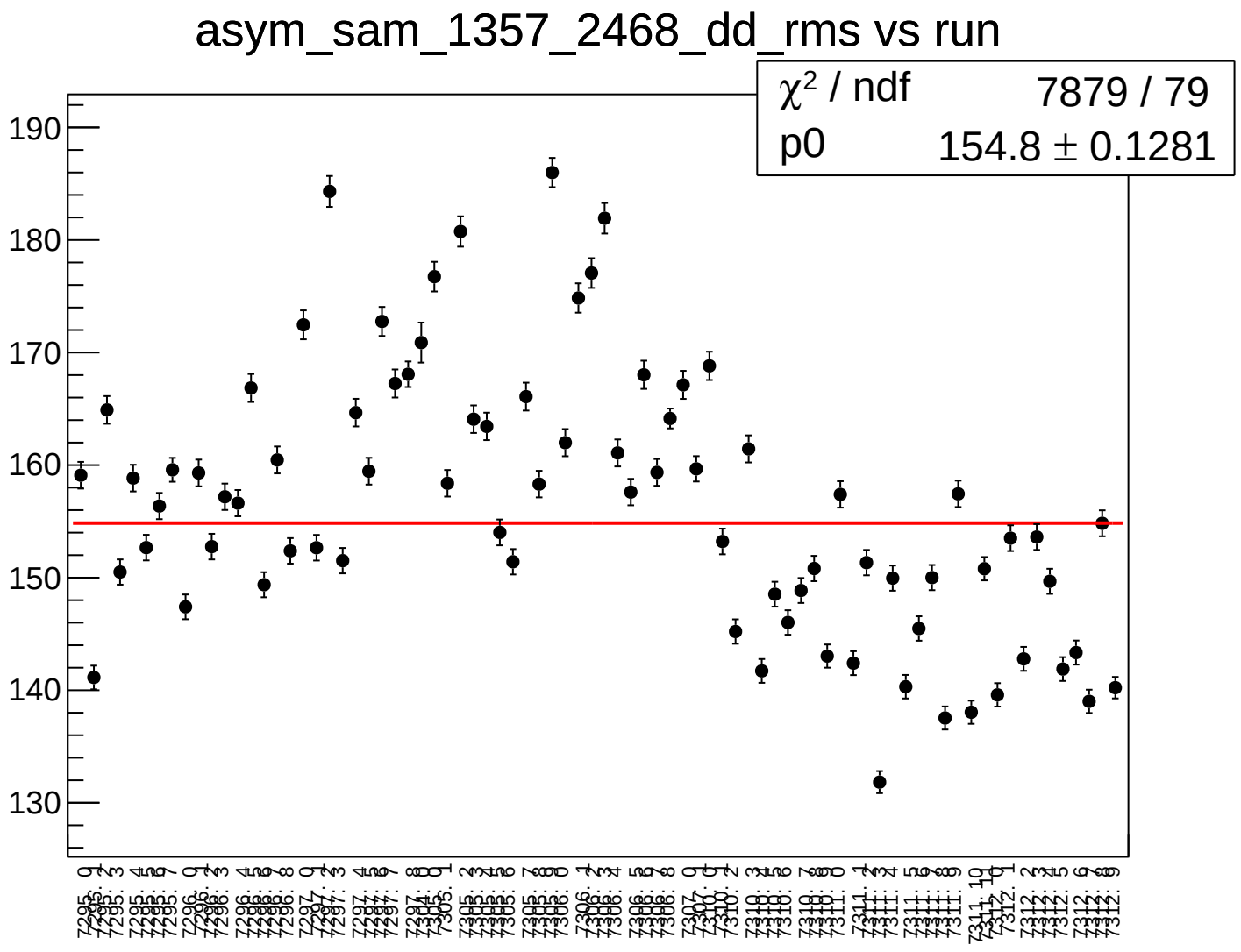

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.334e+05 / 79
p0 31.88 ± 0.02868
100
90
80
70
60
50
40
30
20

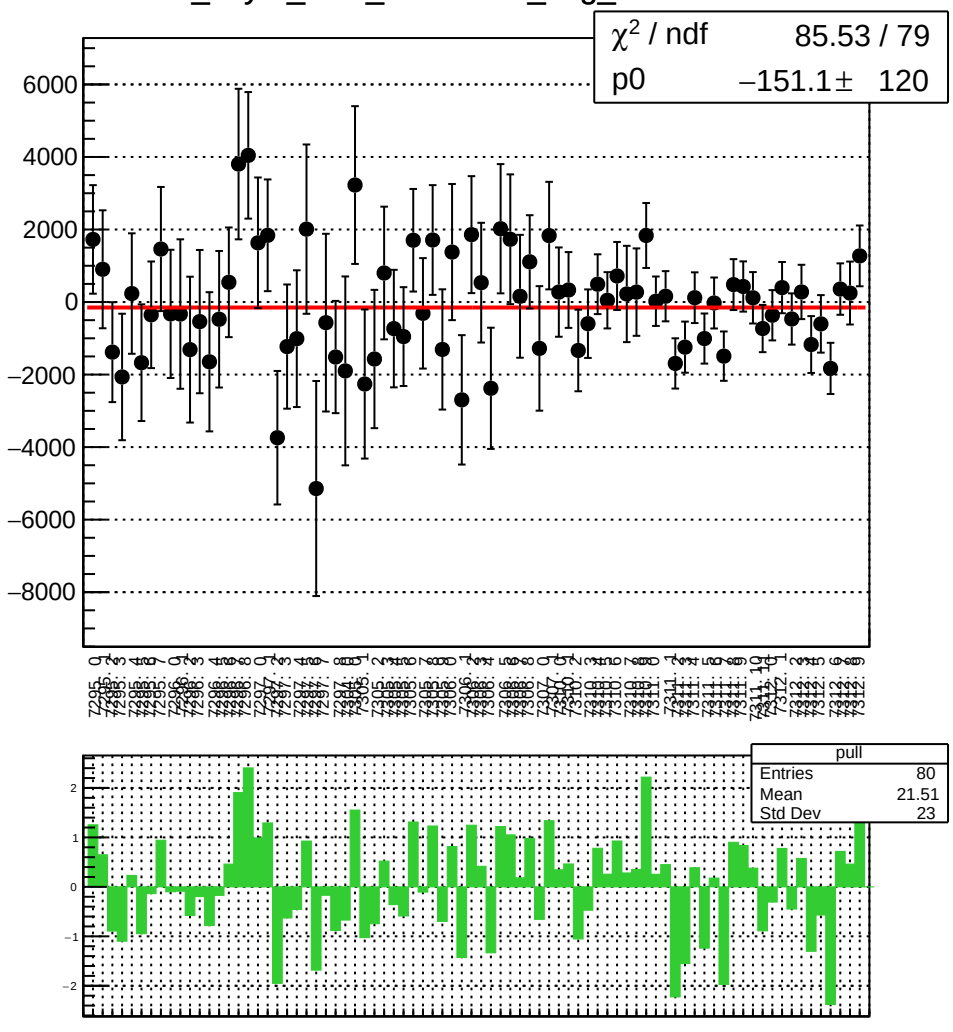

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 95.57 / 79
p0 285.5 ± 181
pull
Entries 80
Mean −277.7
Std Dev 323.1

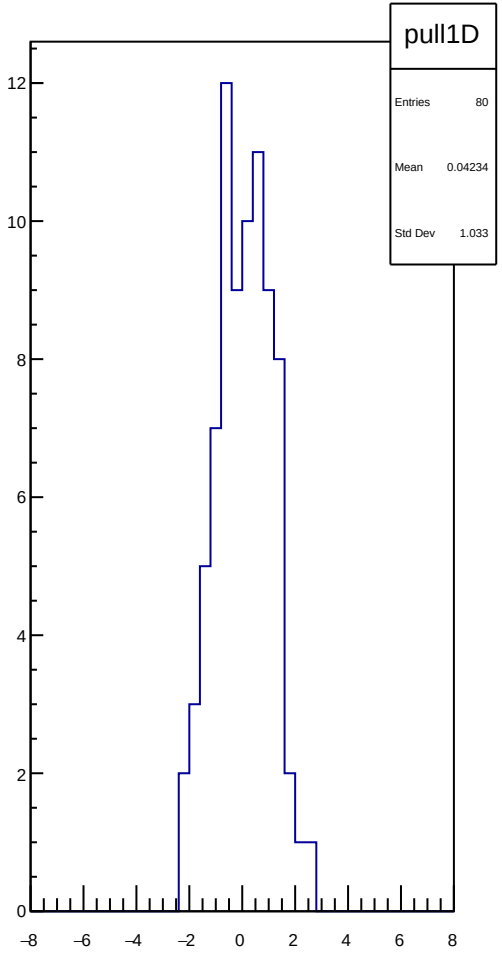

pull1D
Entries 80
Mean −0.01152
Std Dev 1.093

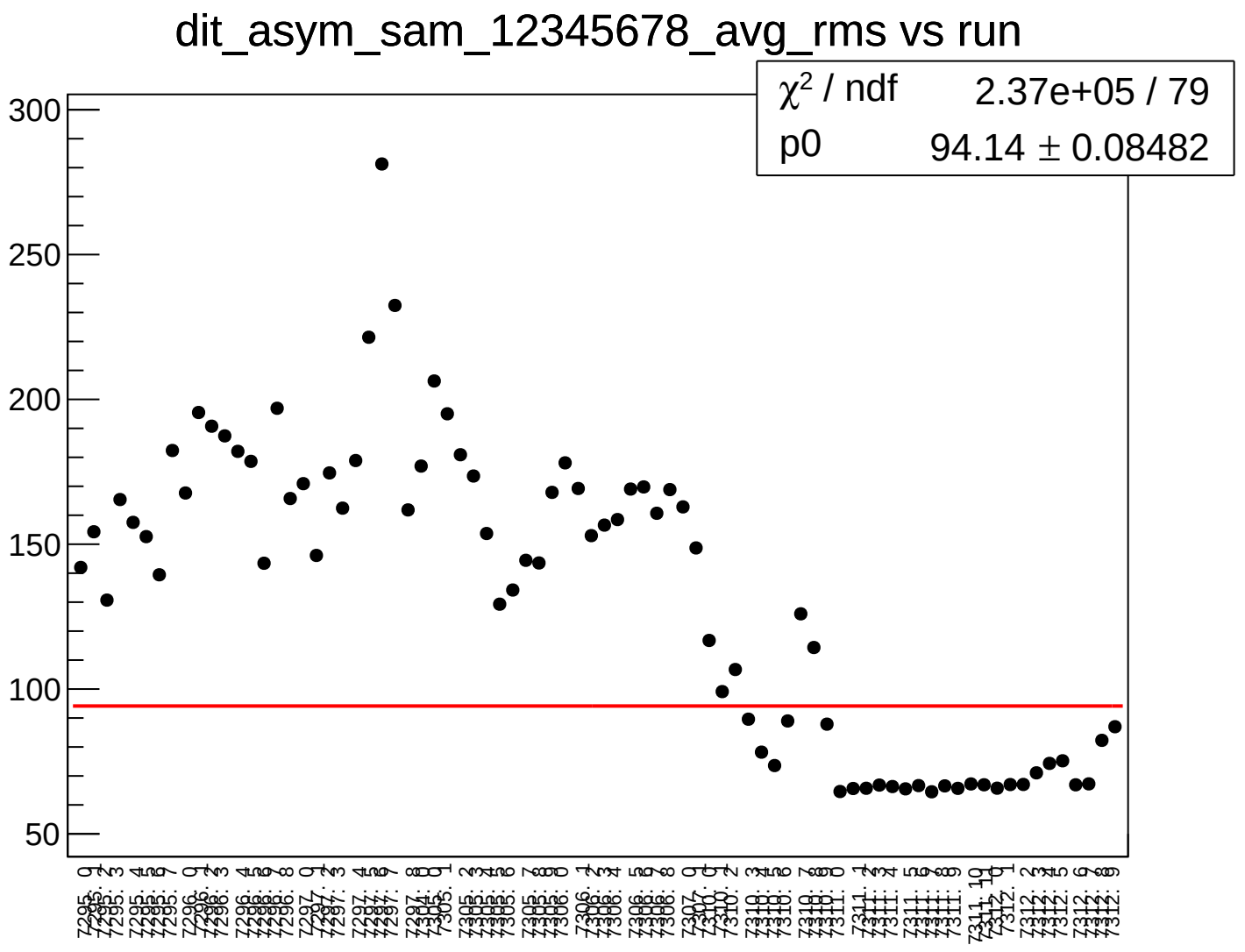

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 3689 / 79
p0 154.9 ± 0.128
180
170
160
150
140

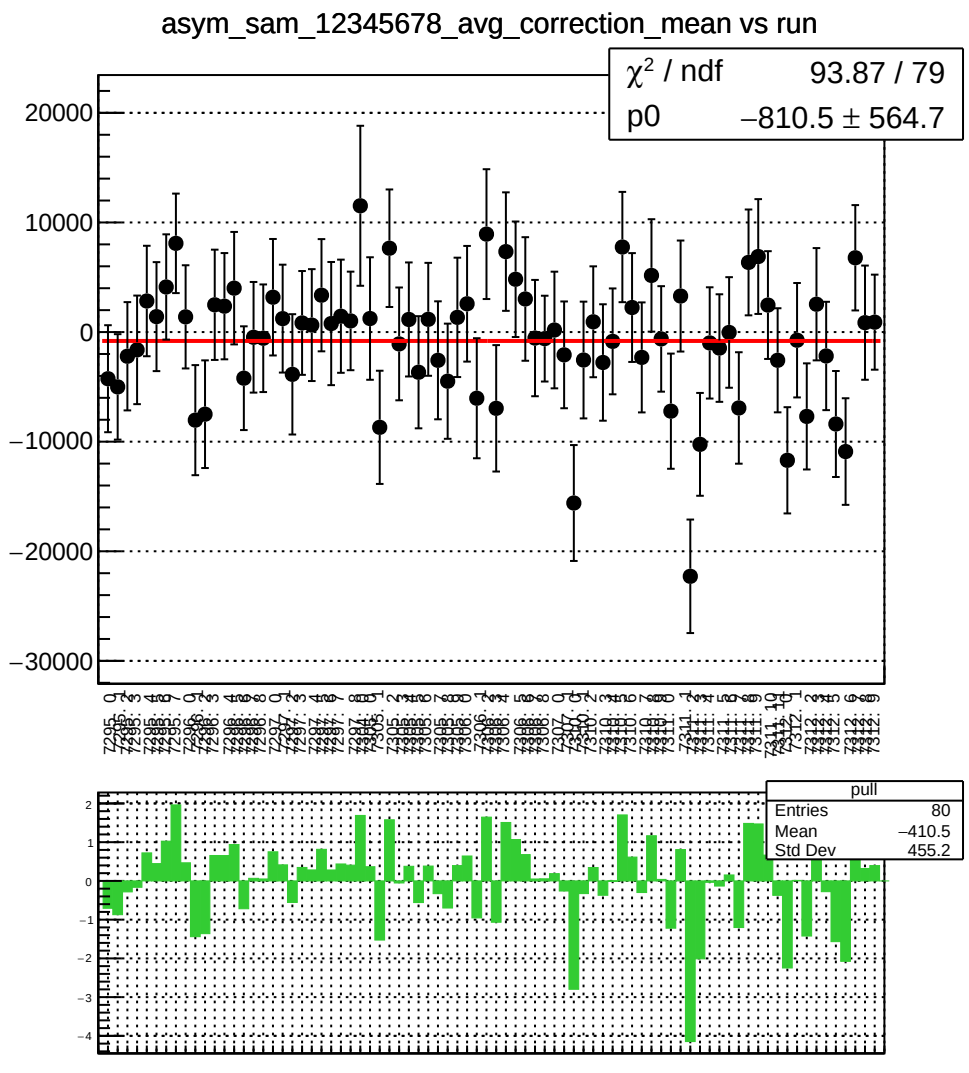

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 97.44 / 79
p0 −286.9 ± 181.2
pull
Entries 80
Mean −165.2
Std Dev 208
pull1D
Entries 80
Mean 0.01914
Std Dev 1.103

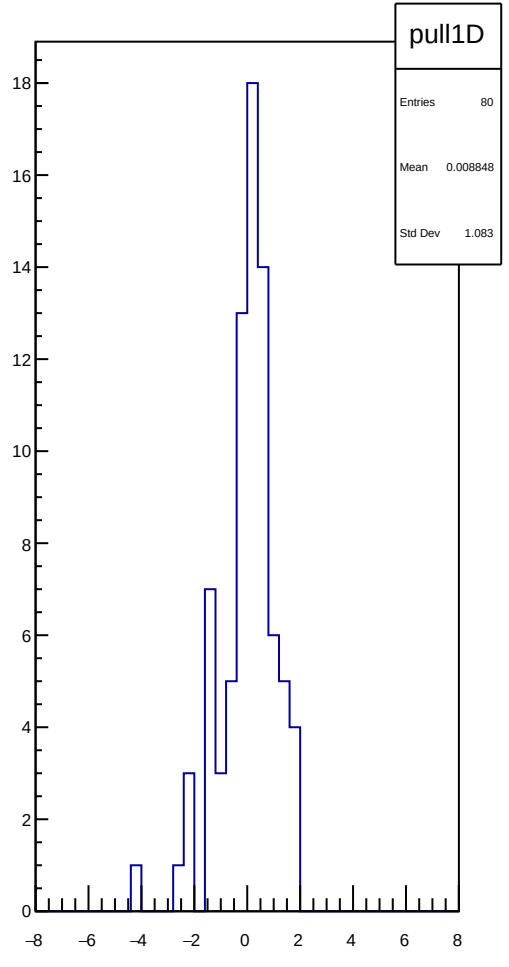

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7879 / 79
p0 154.8 ± 0.1281
190
180
170
160
150
140
130

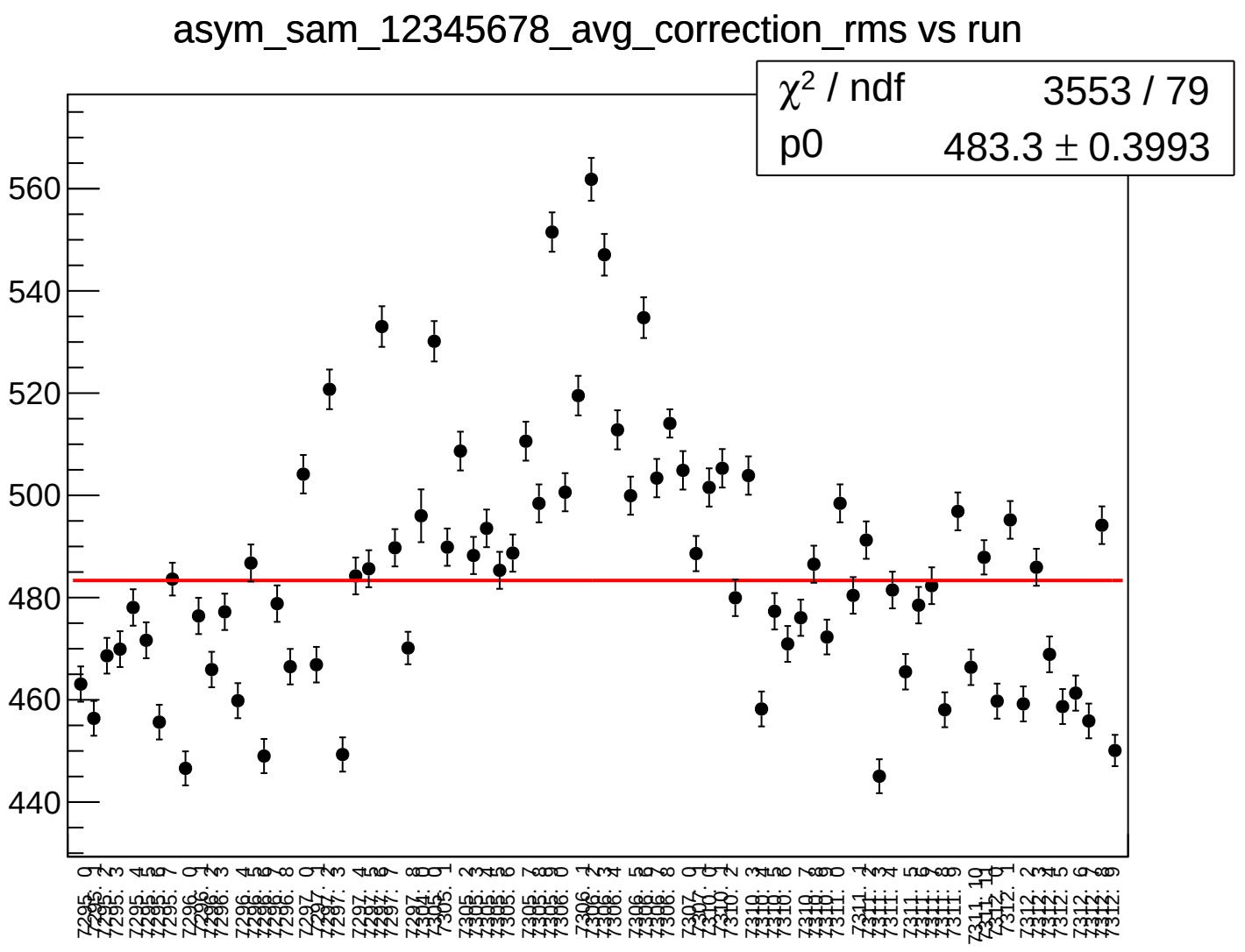

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 85.53 / 79
p0 −151.1± 120
pull
Entries 80
Mean 21.51
Std Dev 23

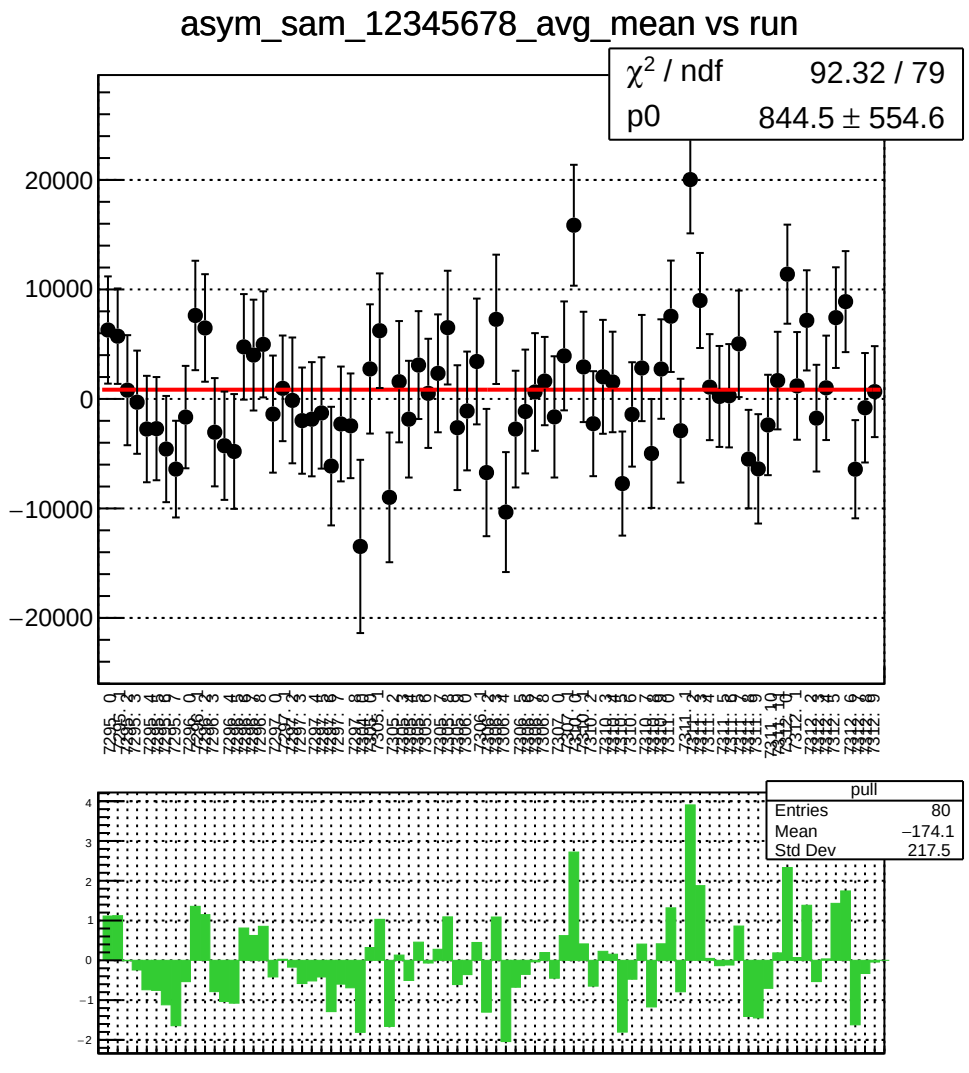

pull1D
Entries 80
Mean 0.04234
Std Dev 1.033

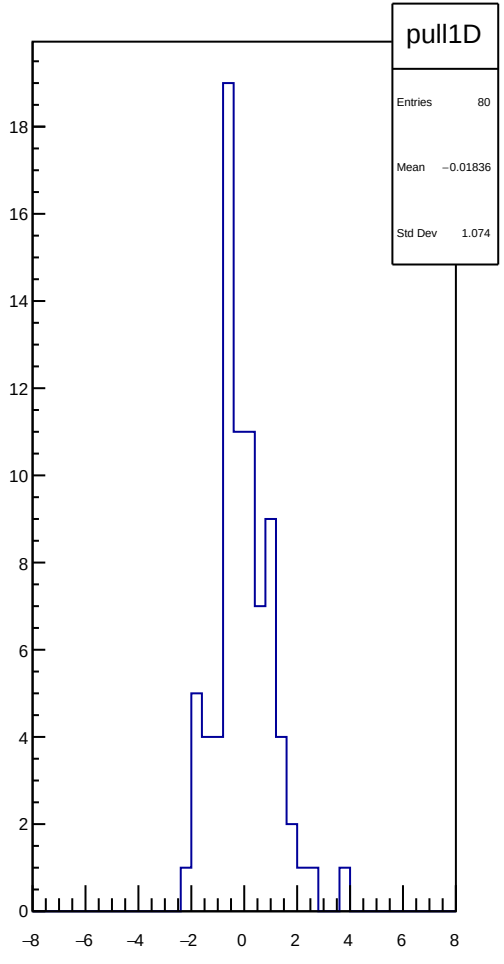

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.37e+05 / 79
p0 94.14 ± 0.08482
300
250
200
150
100
50

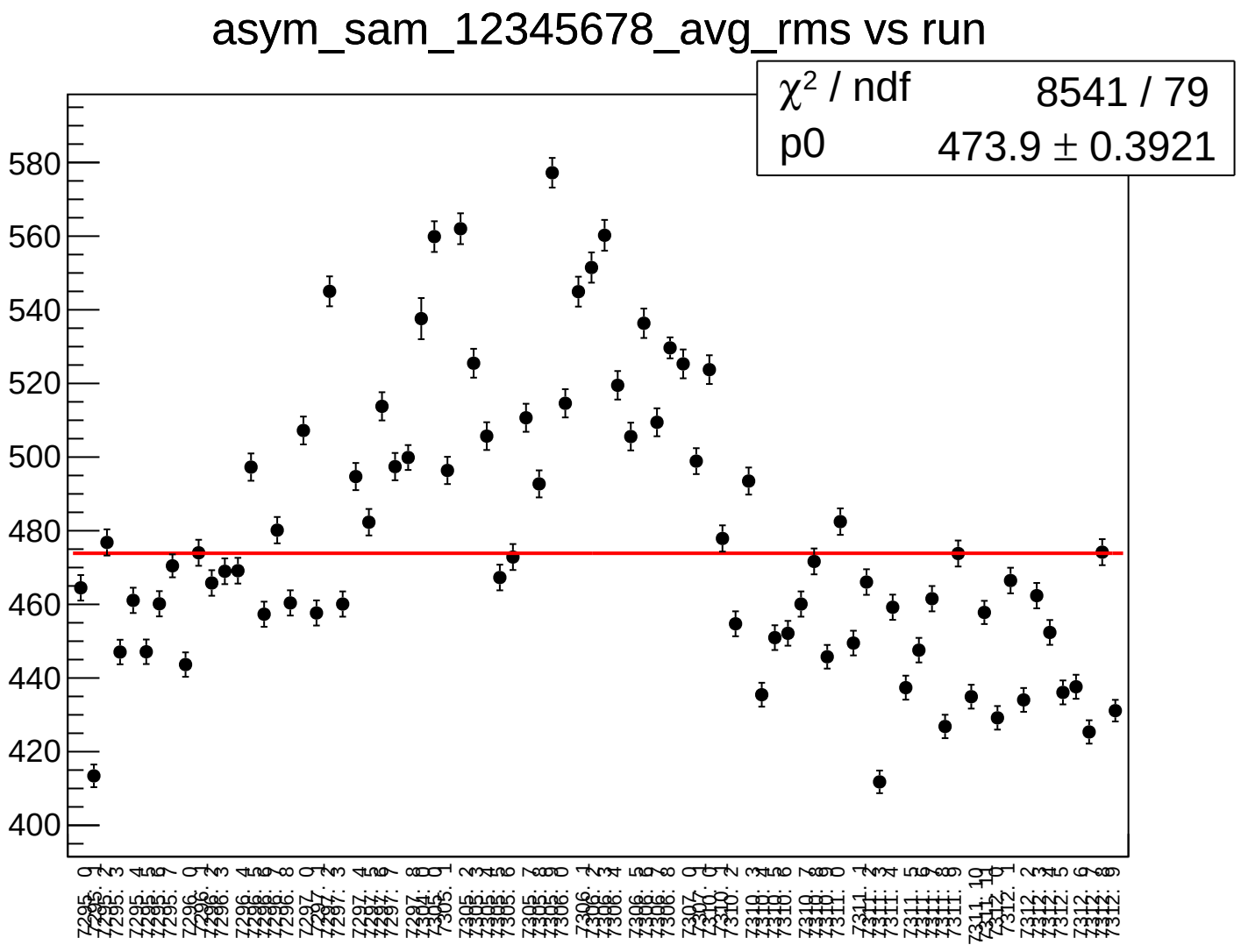

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 93.87 / 79
p0 −810.5 ± 564.7
pull
Entries 80
Mean −410.5
Std Dev 455.2

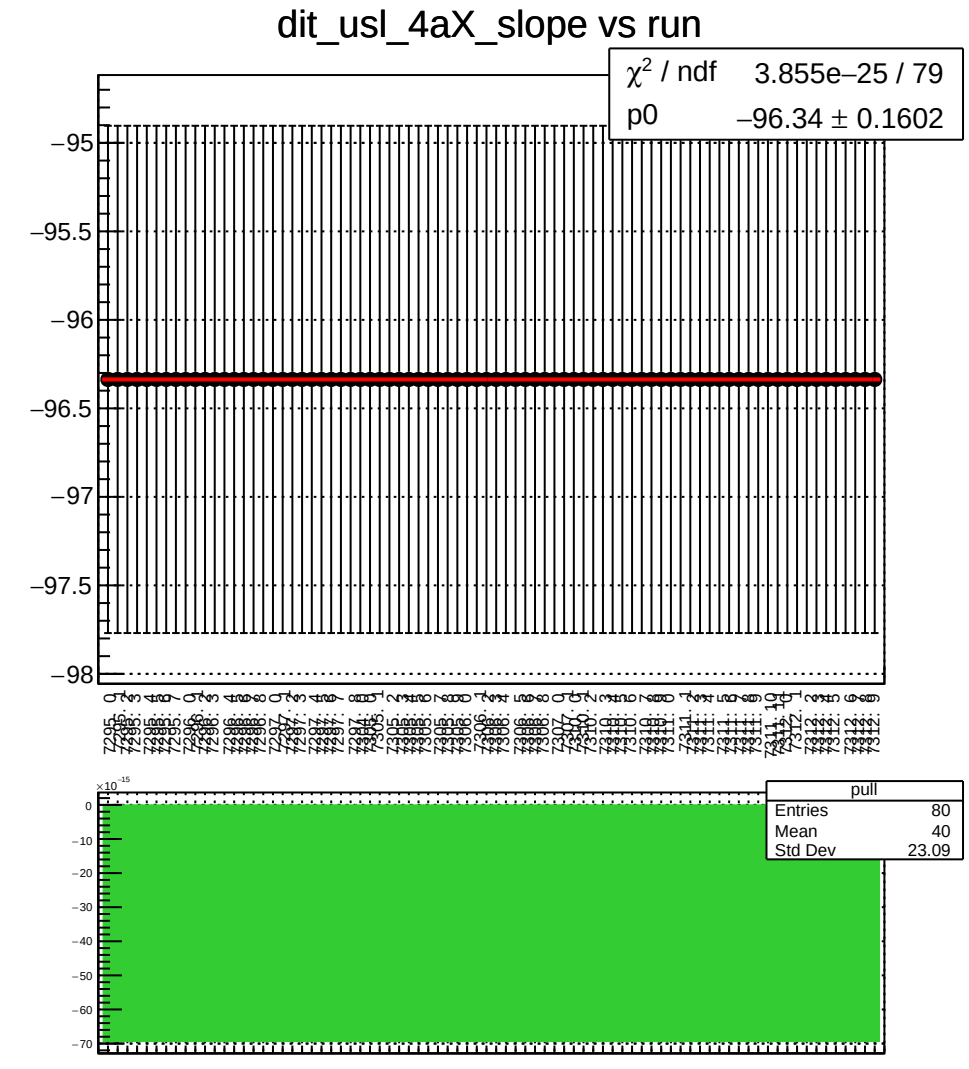

pull1D
Entries 80
Mean 0.008848
Std Dev 1.083

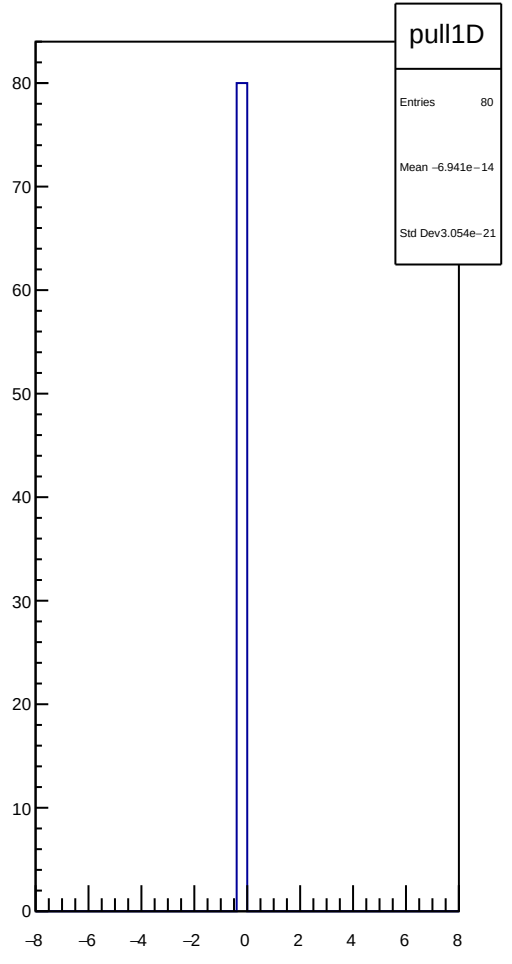

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3553 / 79
p0 483.3 ± 0.3993
560
540
520
500
480
460
440

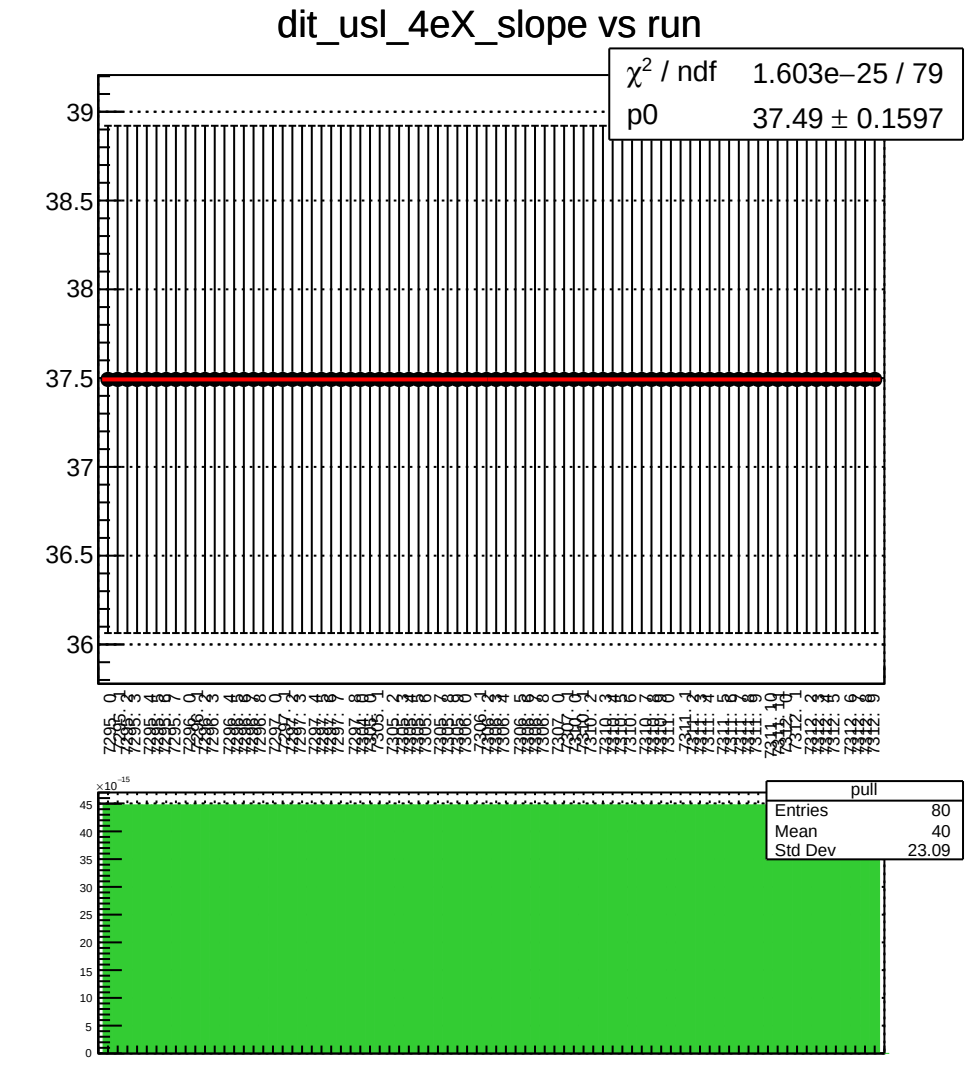

asym_sam_12345678_avg_mean vs run
χ² / ndf 92.32 / 79
p0 844.5 ± 554.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −174.1
Std Dev 217.5
4
3
2
1
0
−1
−2

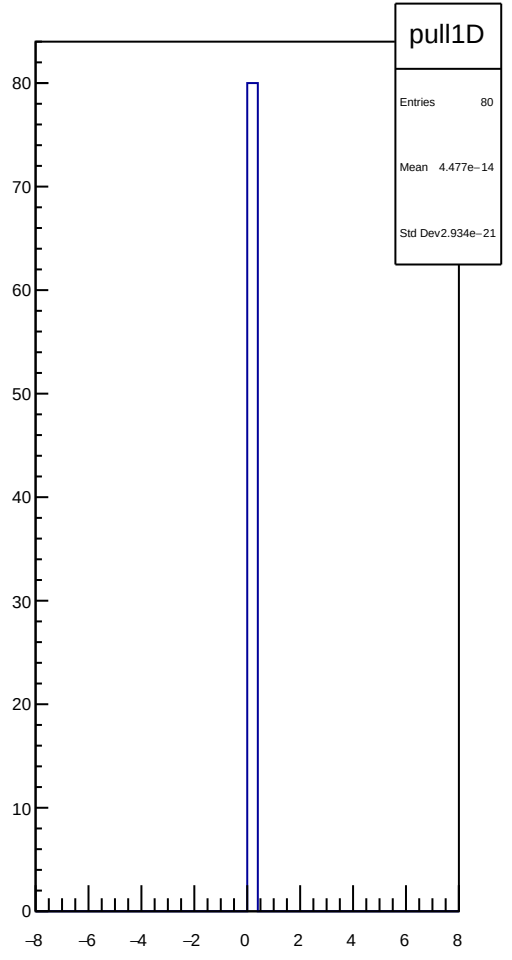

pull1D
Entries 80
Mean −0.01836
Std Dev 1.074
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

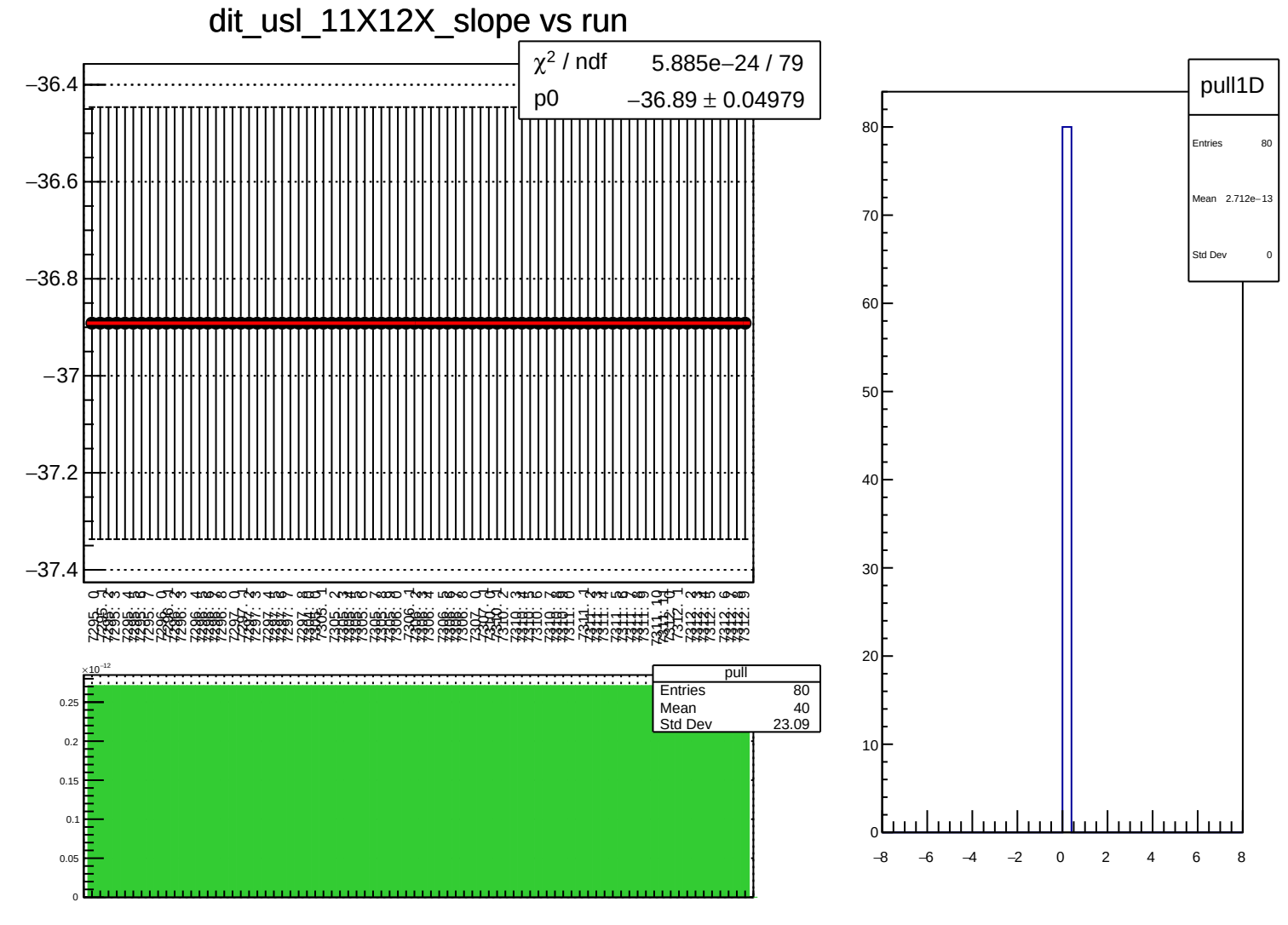

asym_sam_12345678_avg_rms vs run
χ² / ndf 8541 / 79
p0 473.9 ± 0.3921
580
560
540
520
500
480
460
440
420
400

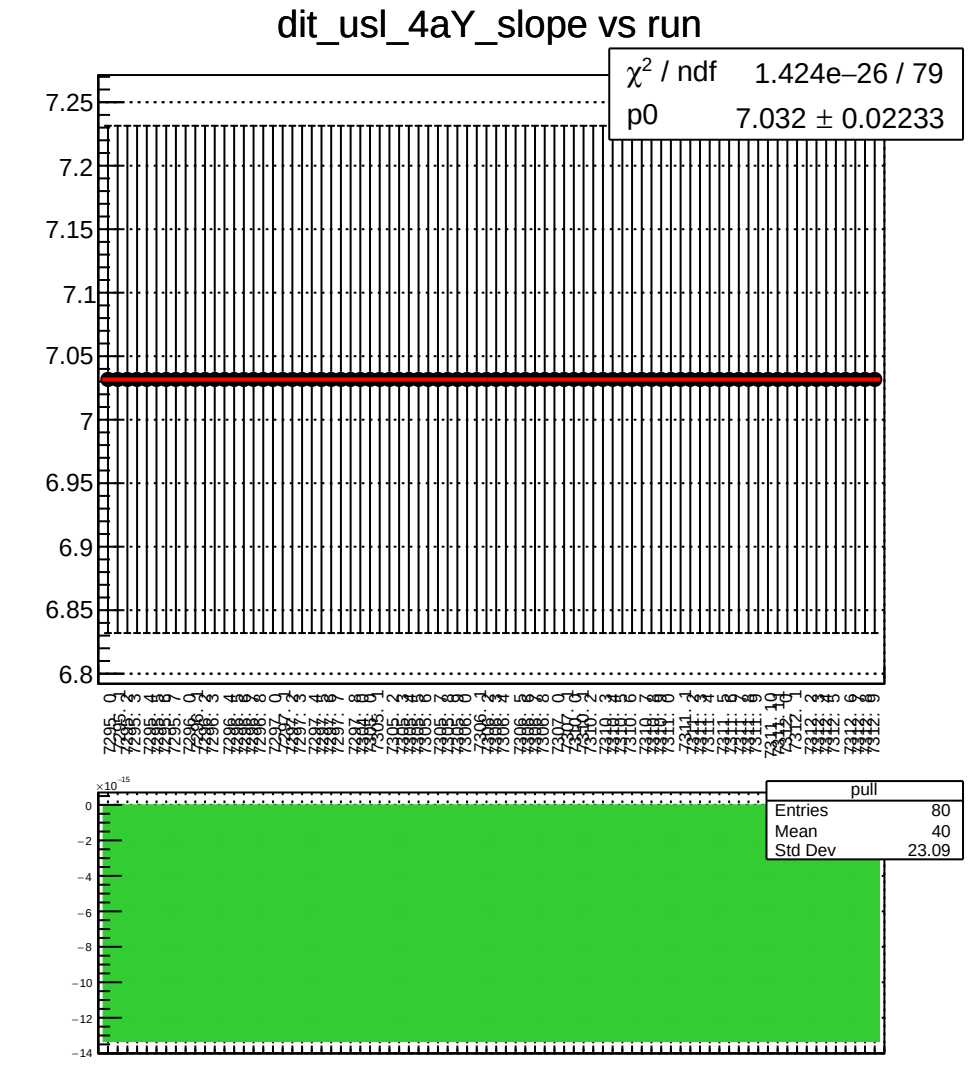

dit_usl_4aX_slope vs run
χ² / ndf 3.855e−25 / 79
p0 −96.34 ± 0.1602
−95
−95.5
−96
−96.5
−97
−97.5
−98
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

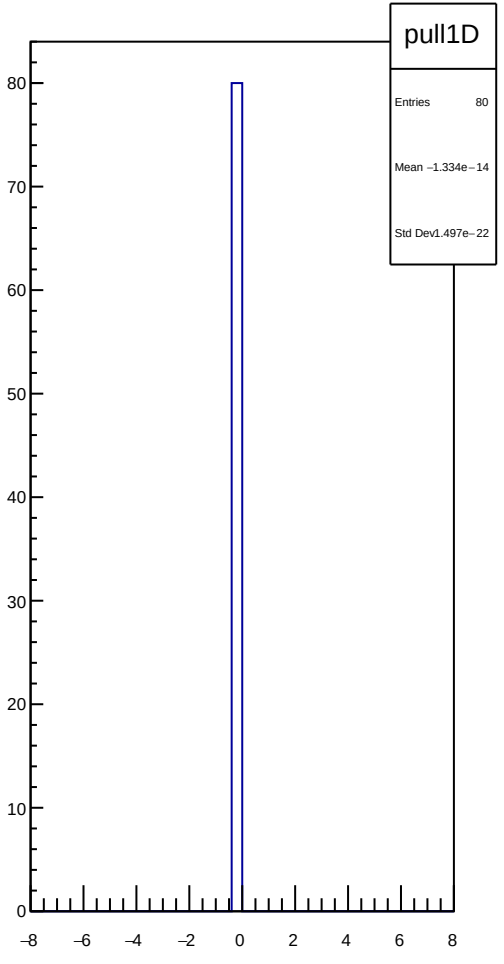

pull1D
Entries 80
Mean −6.941e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

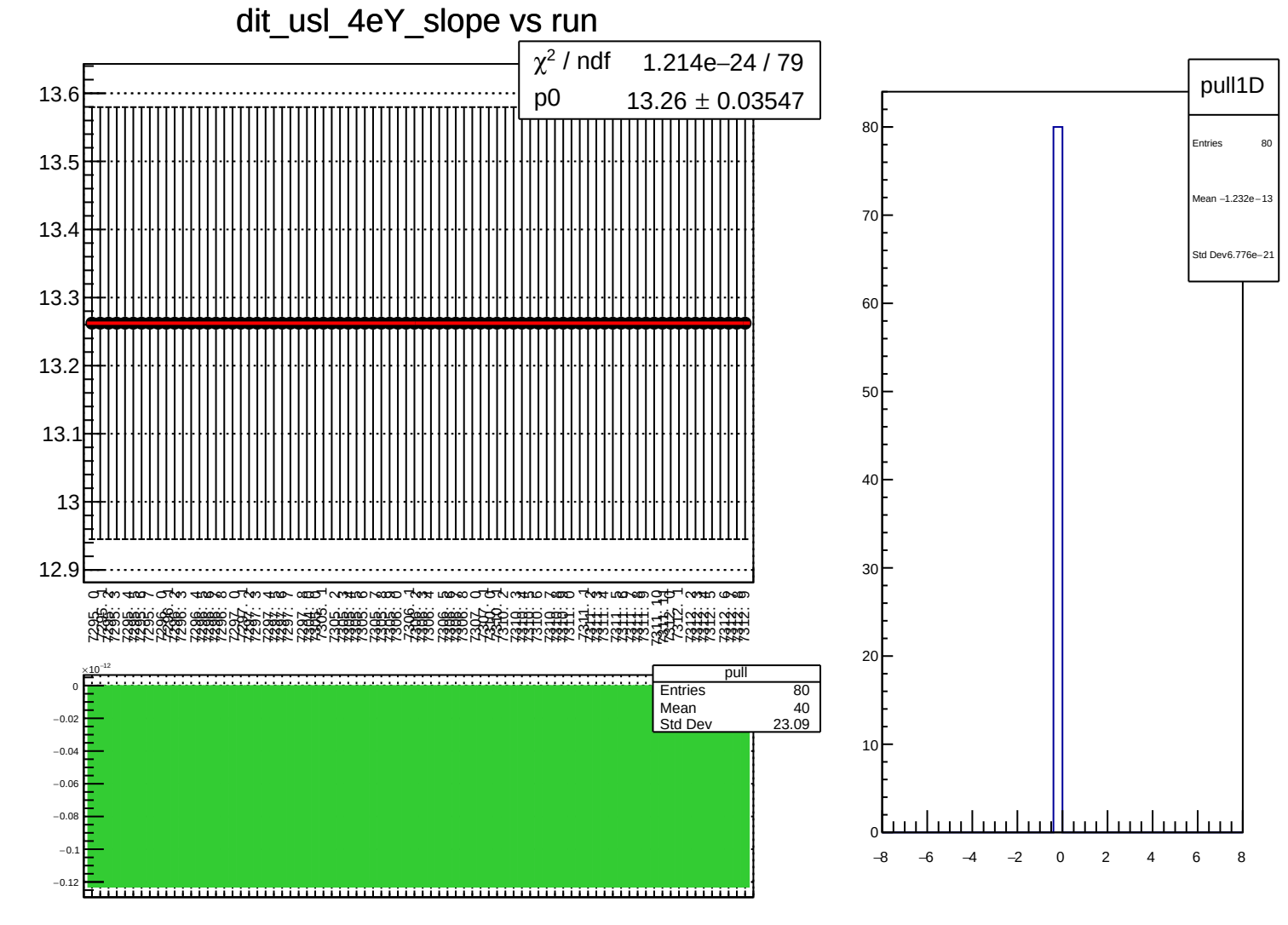

dit_usl_4eX_slope vs run
χ^2 / ndf 1.603e−25 / 79
p0 37.49 ± 0.1597
39
38.5
38
37.5
37
36.5
36
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

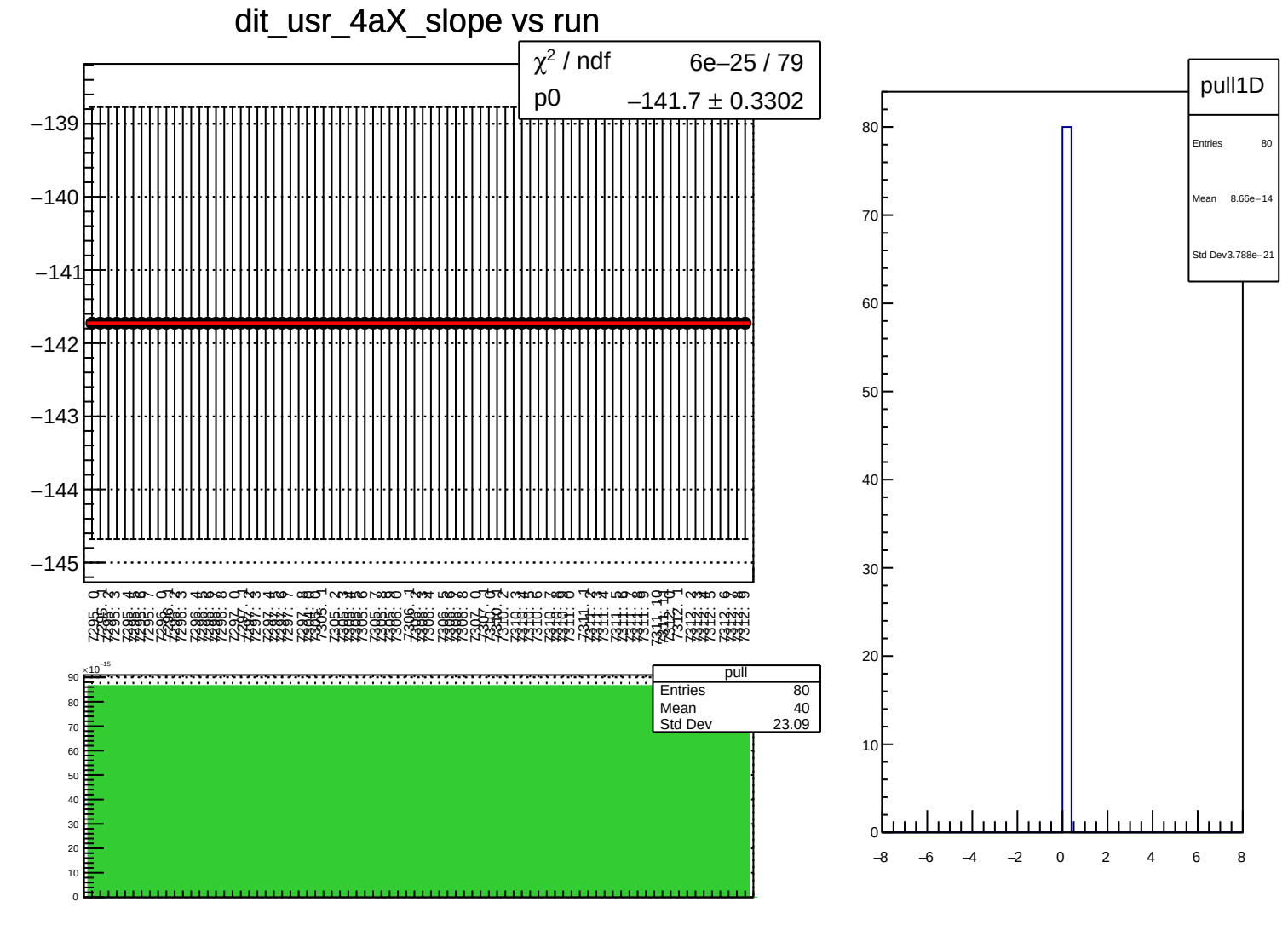

pull1D
Entries 80
Mean 4.477e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

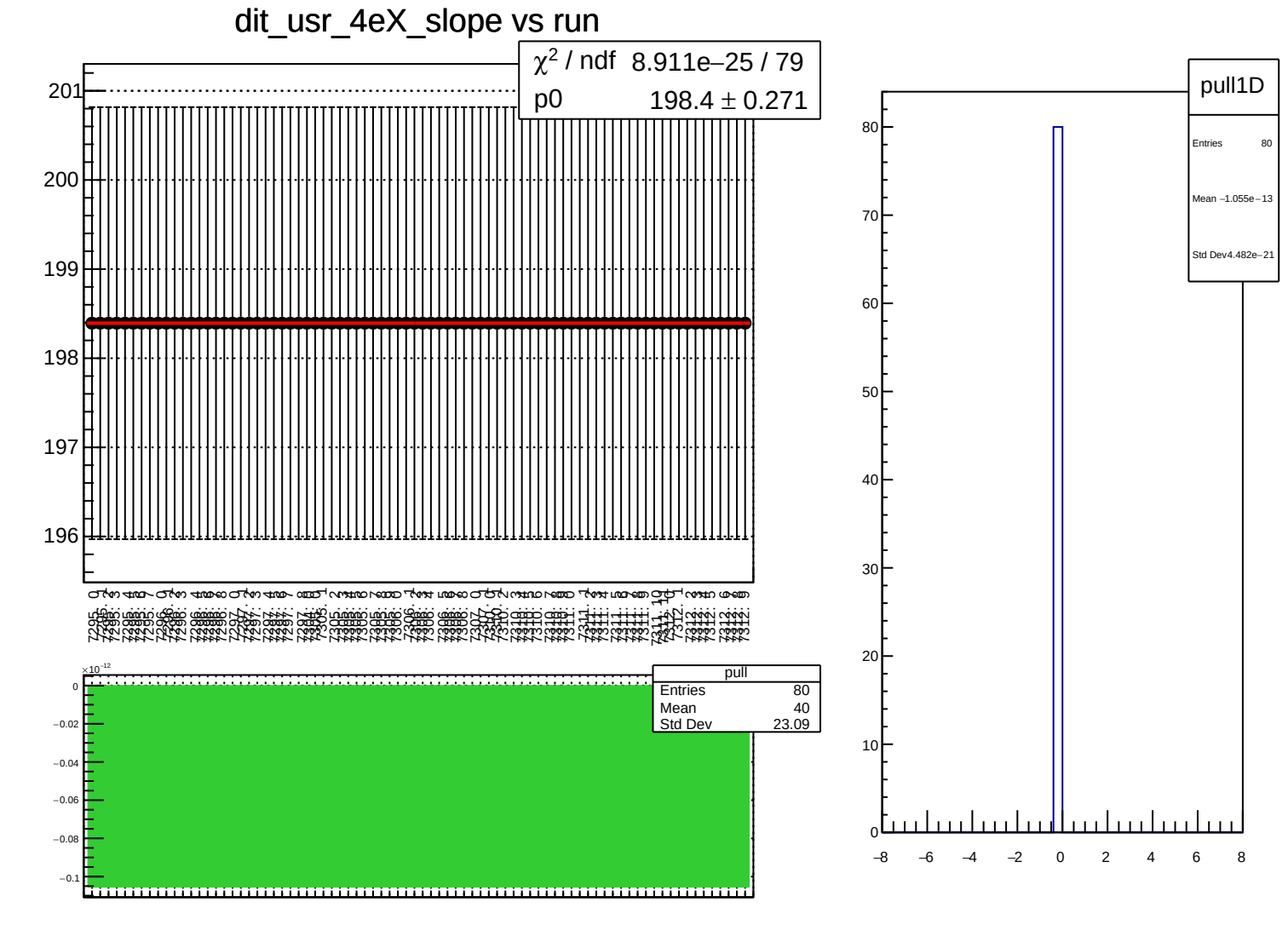

dit_usl_11X12X_slope vs run
χ² / ndf 5.885e−24 / 79
p0 −36.89 ± 0.04979
−36.4
−36.6
−36.8
−37
−37.2
−37.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 2.712e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

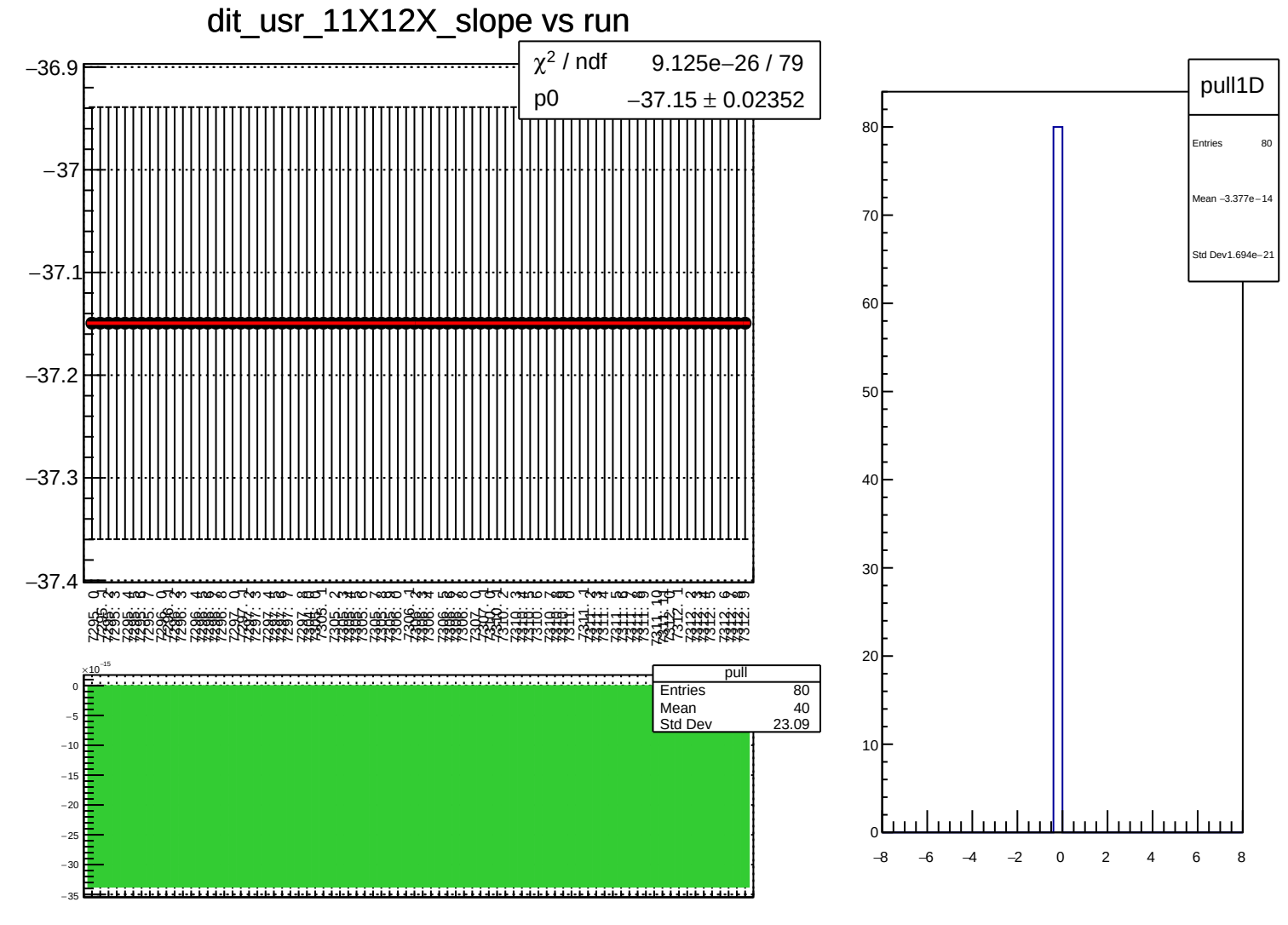

dit_usl_4aY_slope vs run
χ² / ndf 1.424e−26 / 79
p0 7.032 ± 0.02233
pull
Entries 80
Mean 40
Std Dev 23.09

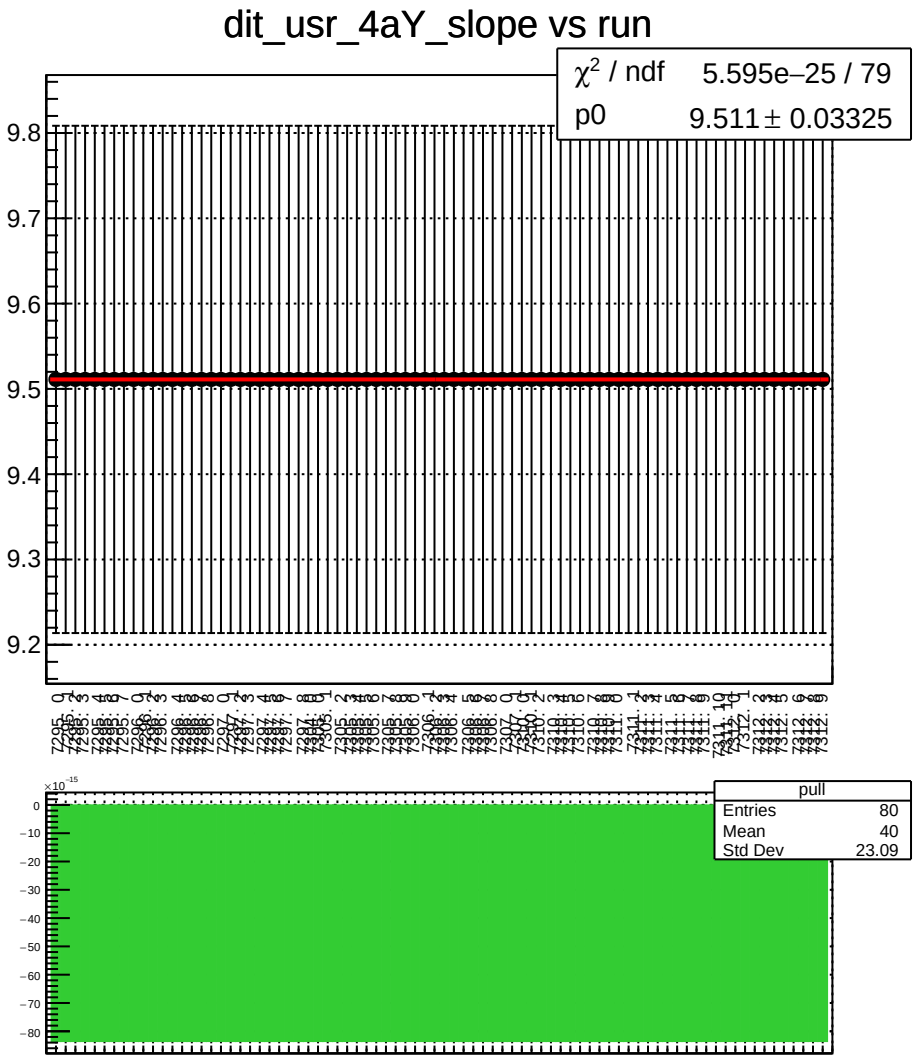

pull1D
Entries 80
Mean −1.334e−14
Std Dev1.497e−22

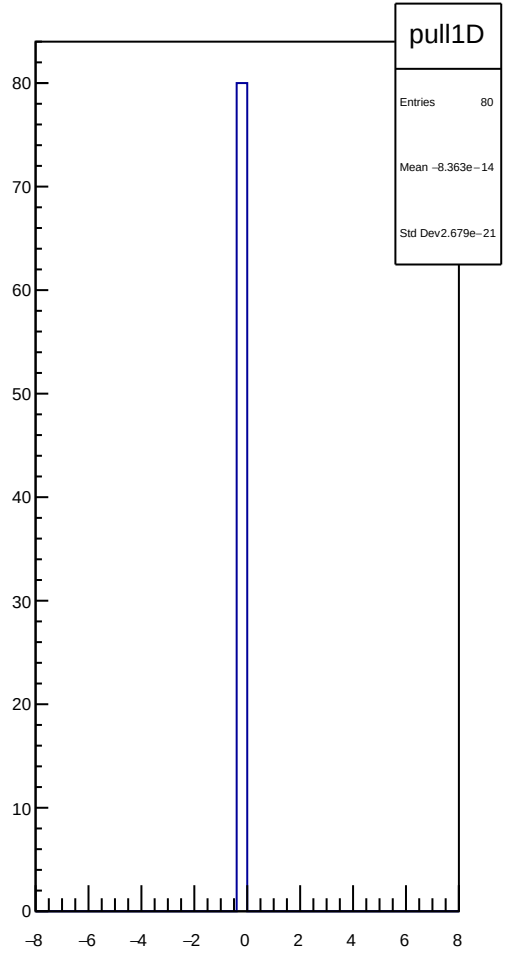

dit_usl_4eY_slope vs run
χ² / ndf 1.214e−24 / 79
p0 13.26 ± 0.03547
13.6
13.5
13.4
13.3
13.2
13.1
13
12.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.232e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

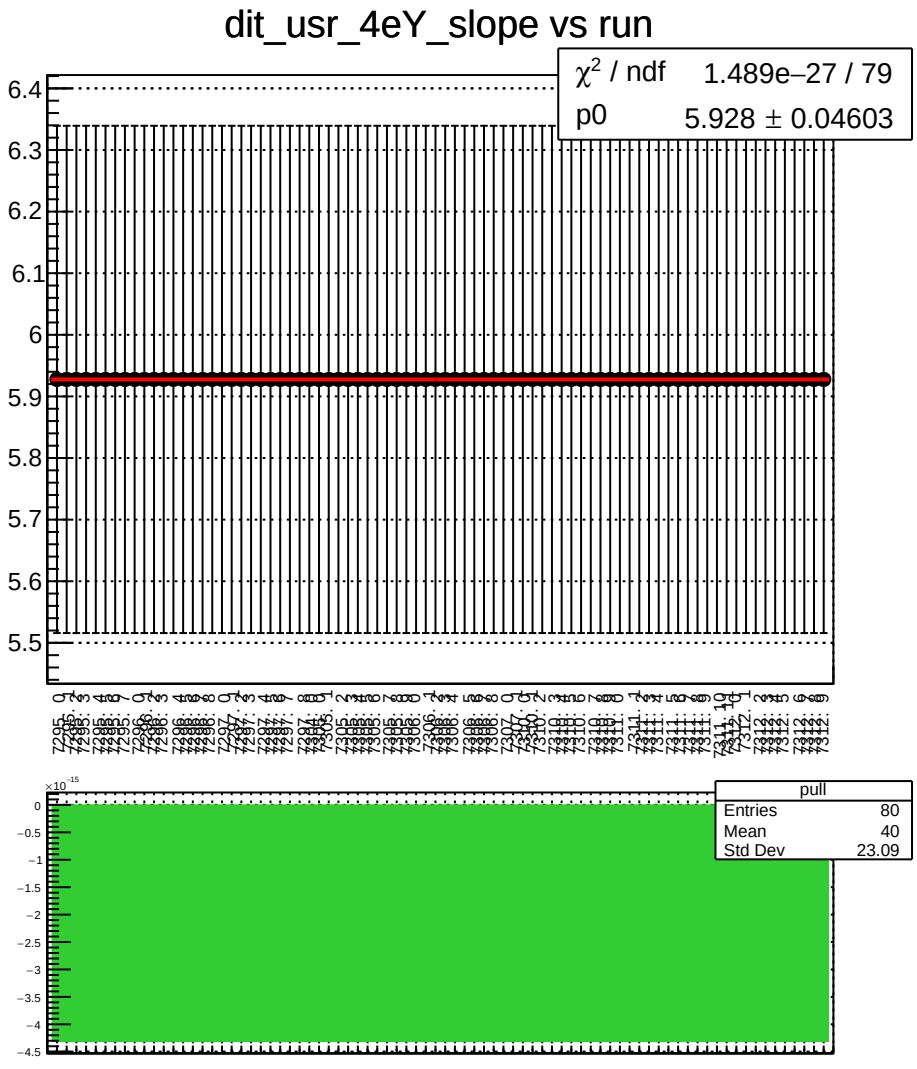

dit_usr_4aX_slope vs run
χ² / ndf 6e−25 / 79
p0 −141.7 ± 0.3302
−139
−140
−141
−142
−143
−144
−145
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 8.66e−14
Std Dev3.788e−21

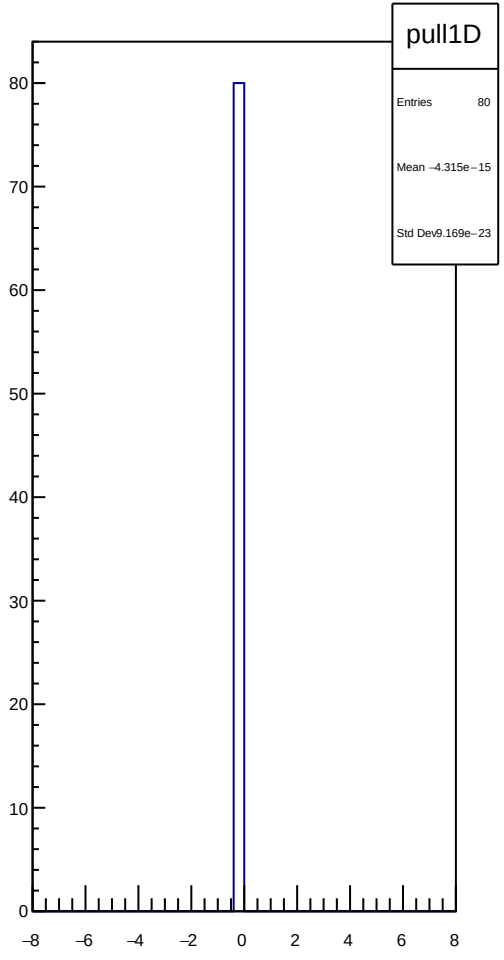

dit_usr_4eX_slope vs run
χ^2 / ndf 8.911e−25 / 79
p0 198.4 ± 0.271
201
200
199
198
197
196
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.055e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

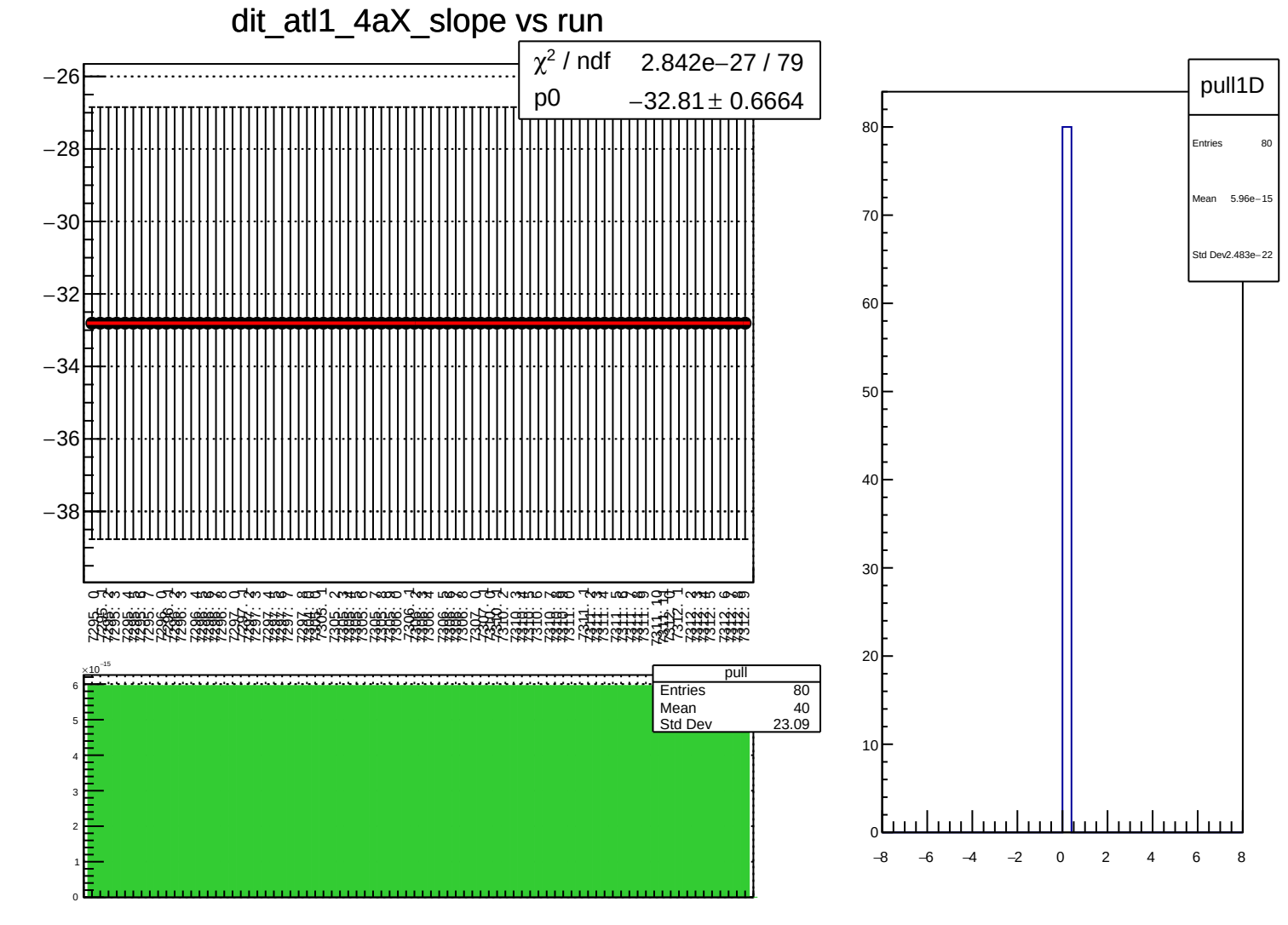

dit_usr_11X12X_slope vs run
χ² / ndf 9.125e−26 / 79
p0 −37.15 ± 0.02352
−36.9
−37
−37.1
−37.2
−37.3
−37.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean −3.377e−14
Std Dev1.694e−21

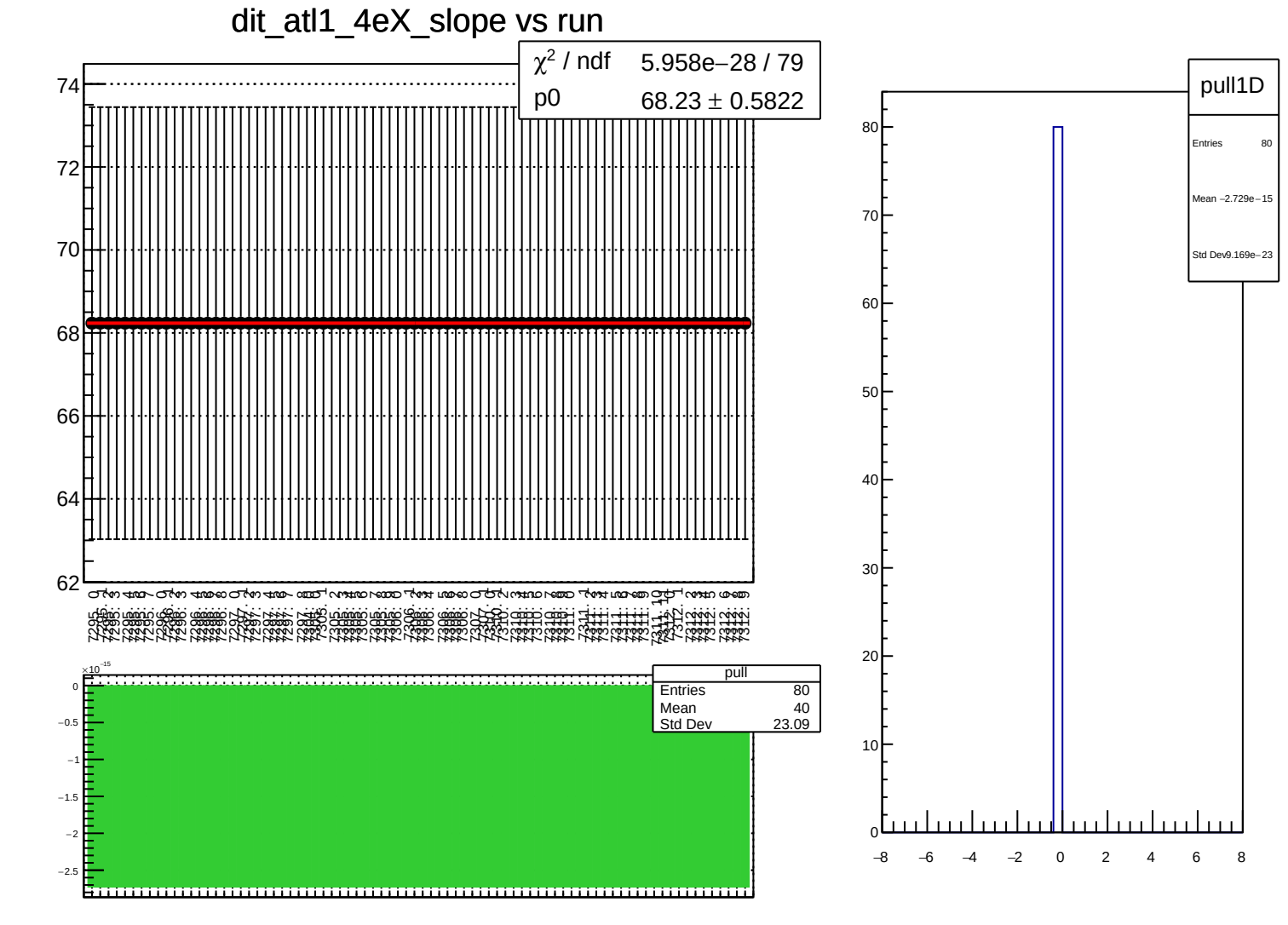

dit_usr_4aY_slope vs run
χ² / ndf 5.595e−25 / 79
p0 9.511 ± 0.03325
9.8
9.7
9.6
9.5
9.4
9.3
9.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

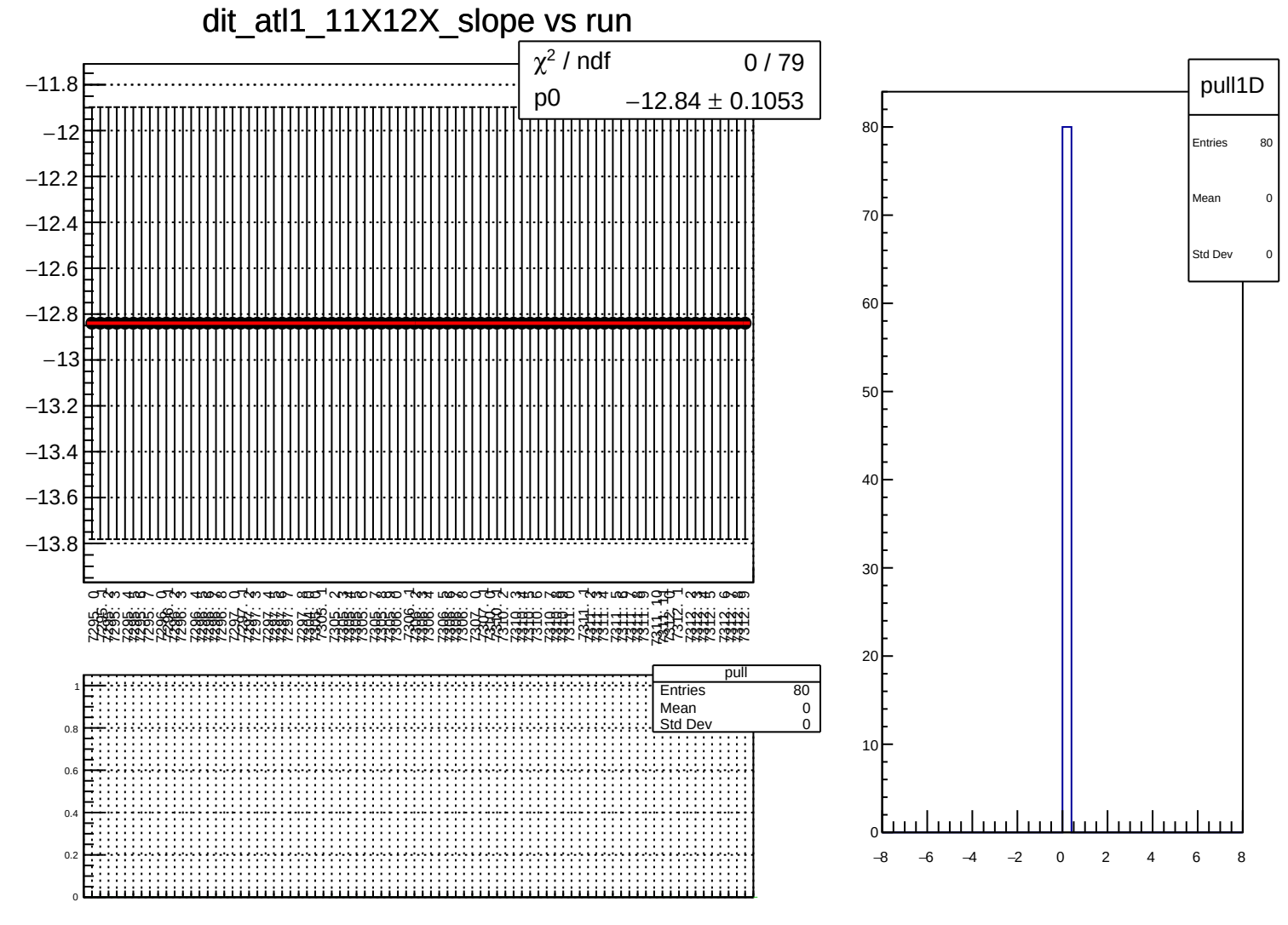

pull1D
Entries 80
Mean −8.363e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

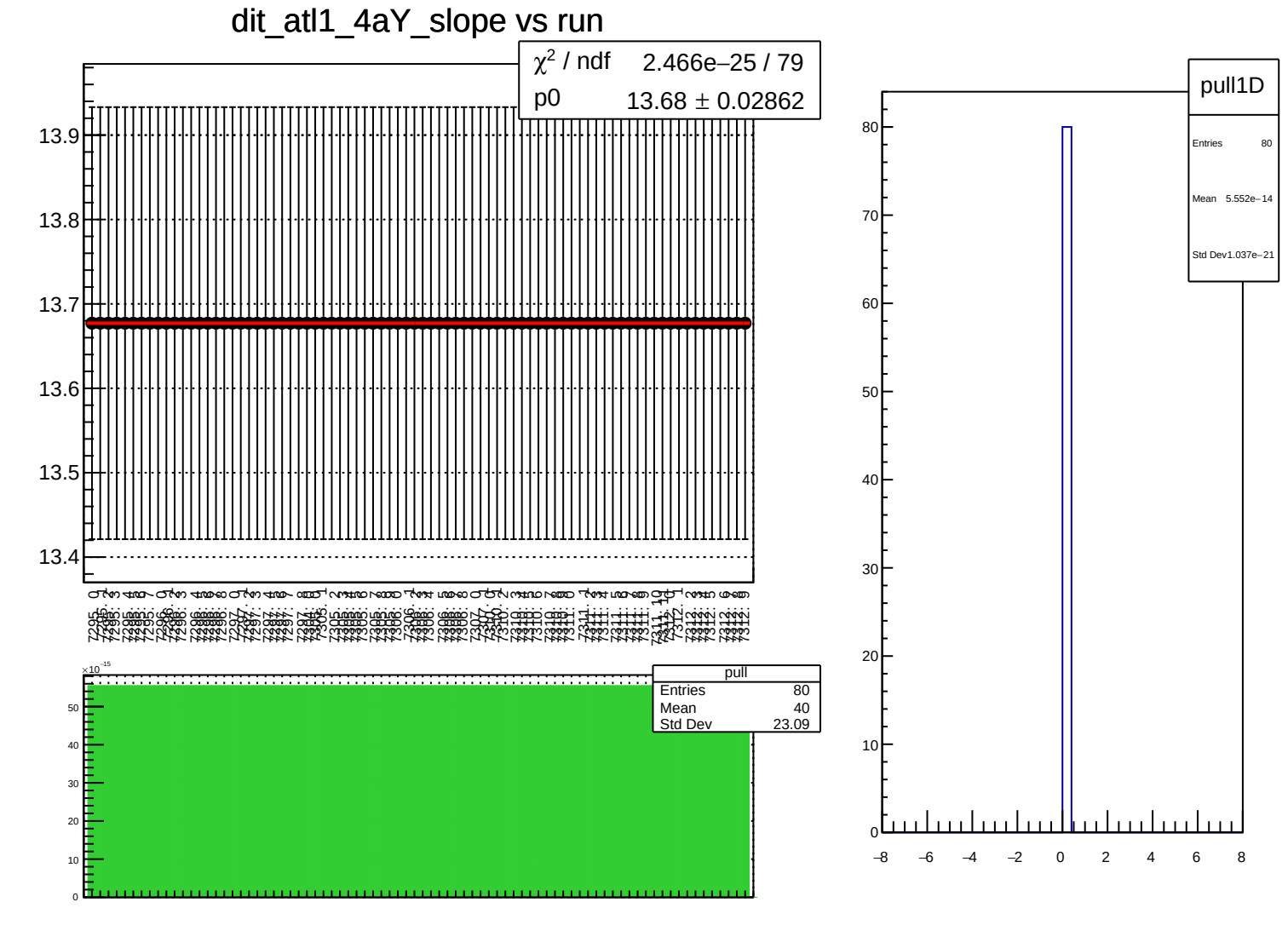

dit_usr_4eY_slope vs run
χ² / ndf 1.489e−27 / 79
p0 5.928 ± 0.04603
pull
Entries 80
Mean 40
Std Dev 23.09

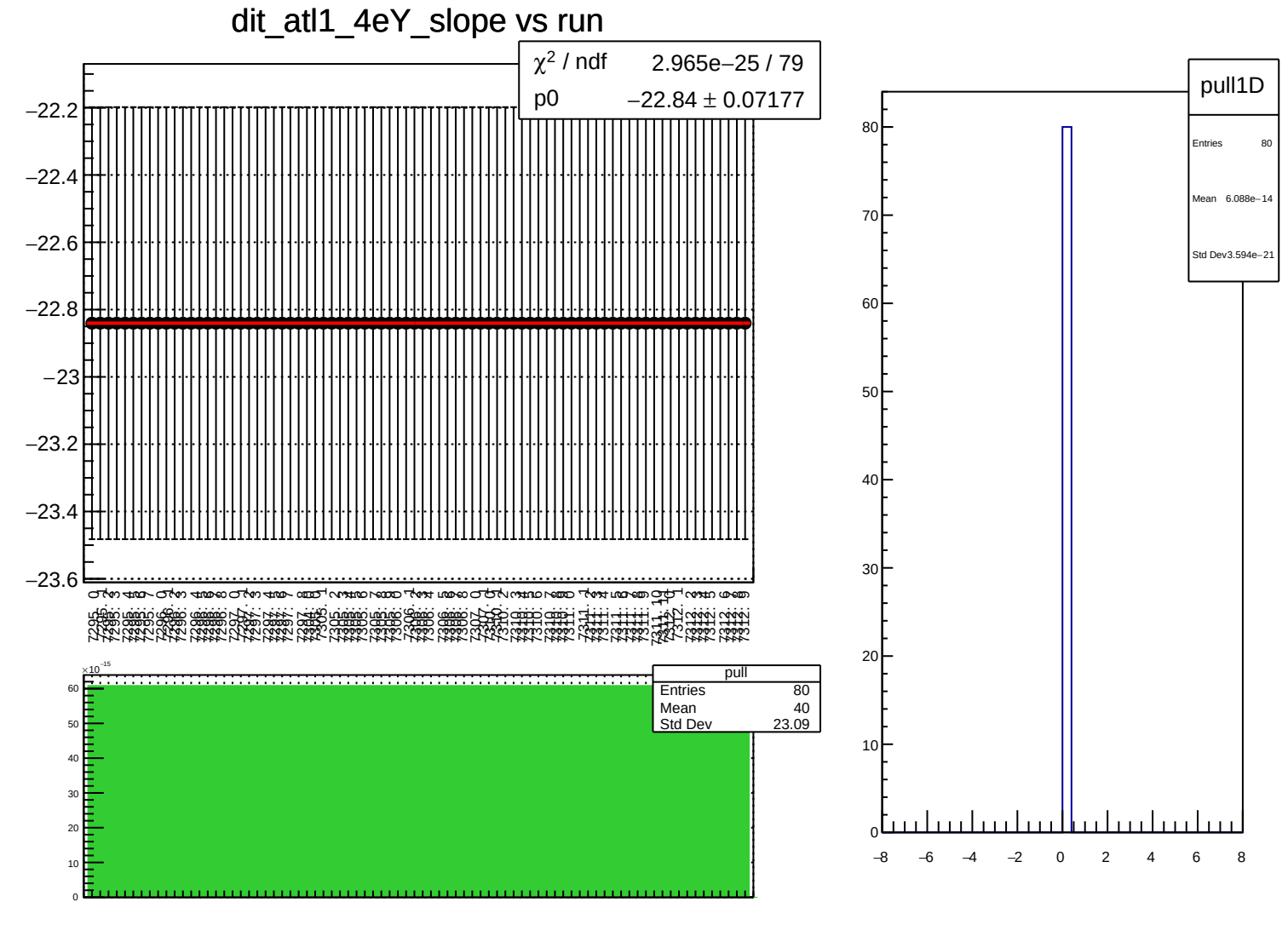

pull1D
Entries 80
Mean −4.315e−15
Std Dev9.169e−23

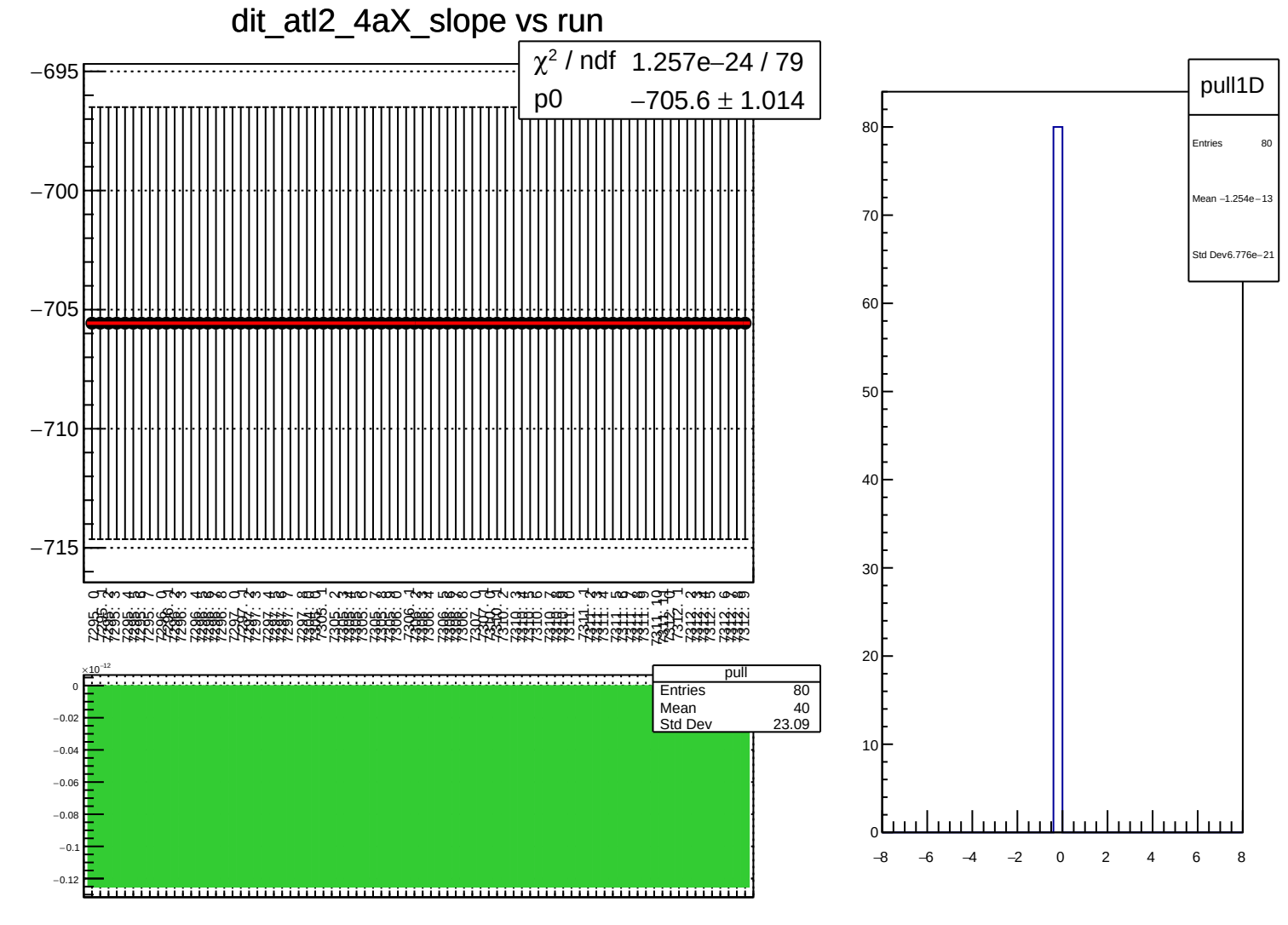

dit_atl1_4aX_slope vs run
χ² / ndf 2.842e−27 / 79
p0 −32.81 ± 0.6664
−26
−28
−30
−32
−34
−36
−38
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.96e−15
Std Dev2.483e−22

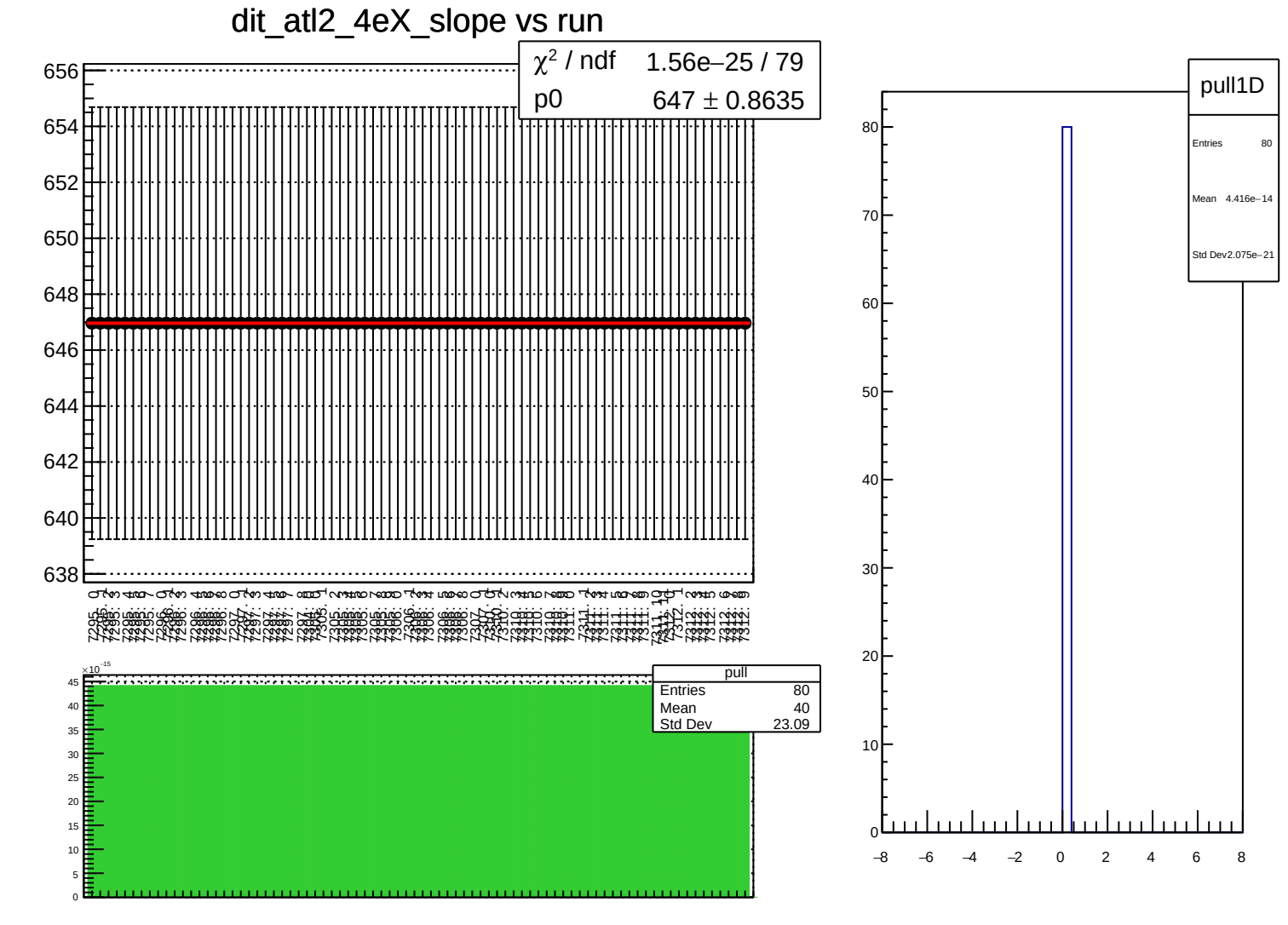

dit_atl1_4eX_slope vs run
χ^2 / ndf 5.958e−28 / 79
p0 68.23 ± 0.5822
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.729e−15
Std Dev9.169e−23

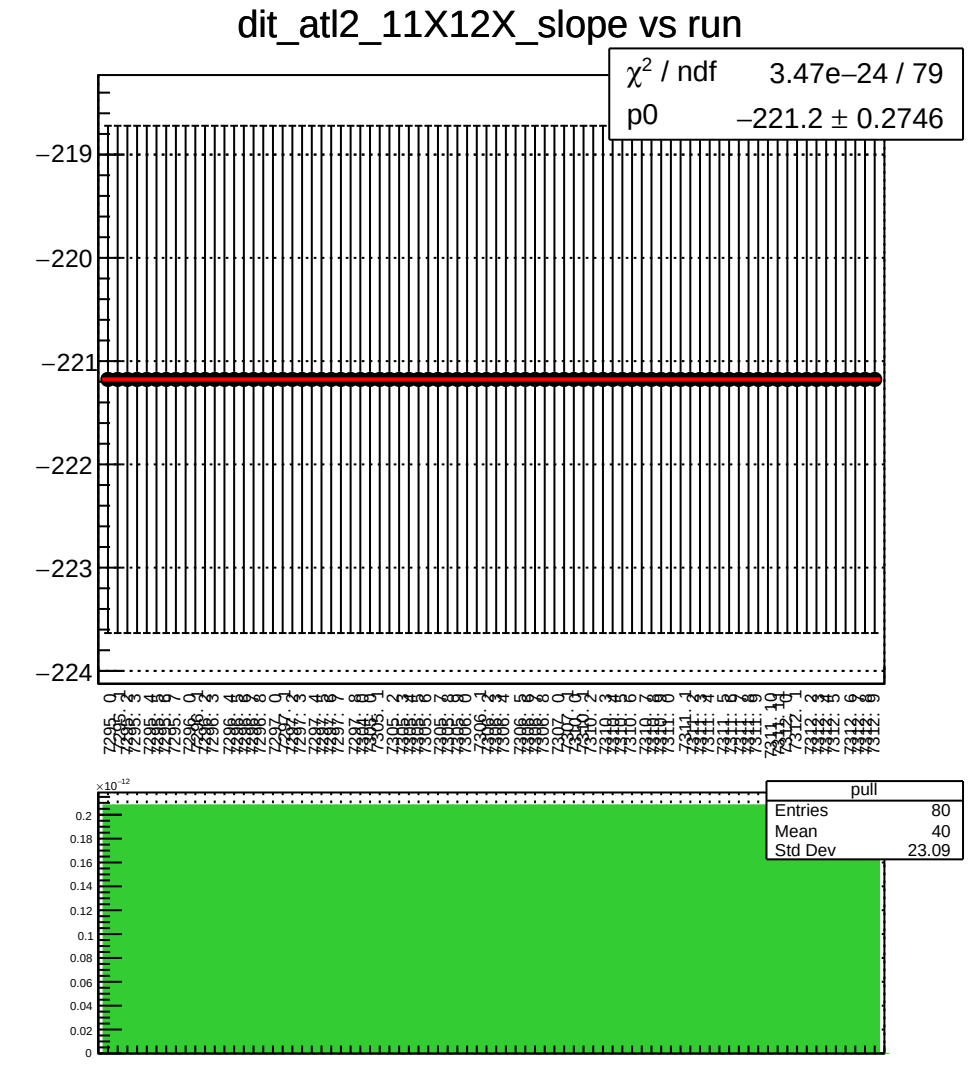

dit_atl1_11X12X_slope vs run
χ² / ndf 0 / 79
p0 −12.84 ± 0.1053
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

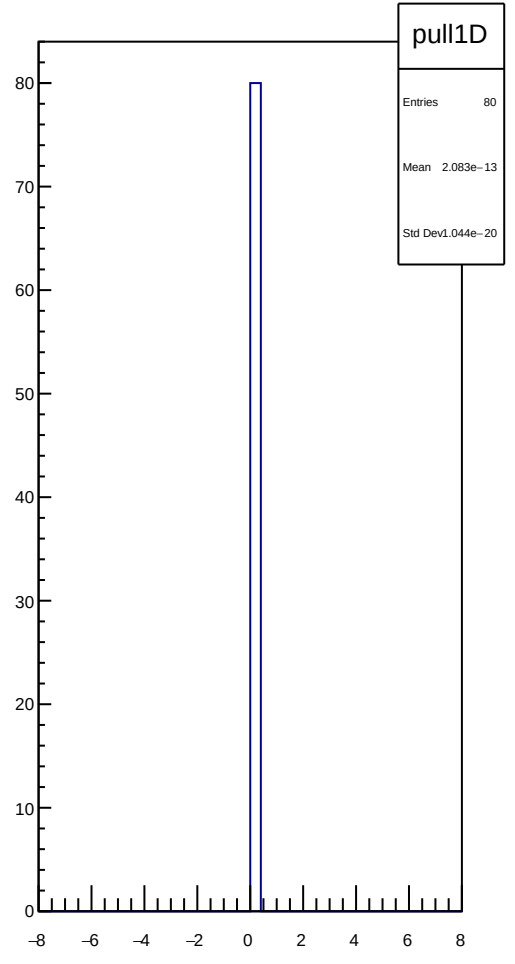

dit_atl1_4aY_slope vs run
χ² / ndf 2.466e−25 / 79
p0 13.68 ± 0.02862
13.9
13.8
13.7
13.6
13.5
13.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.552e−14
Std Dev1.037e−21

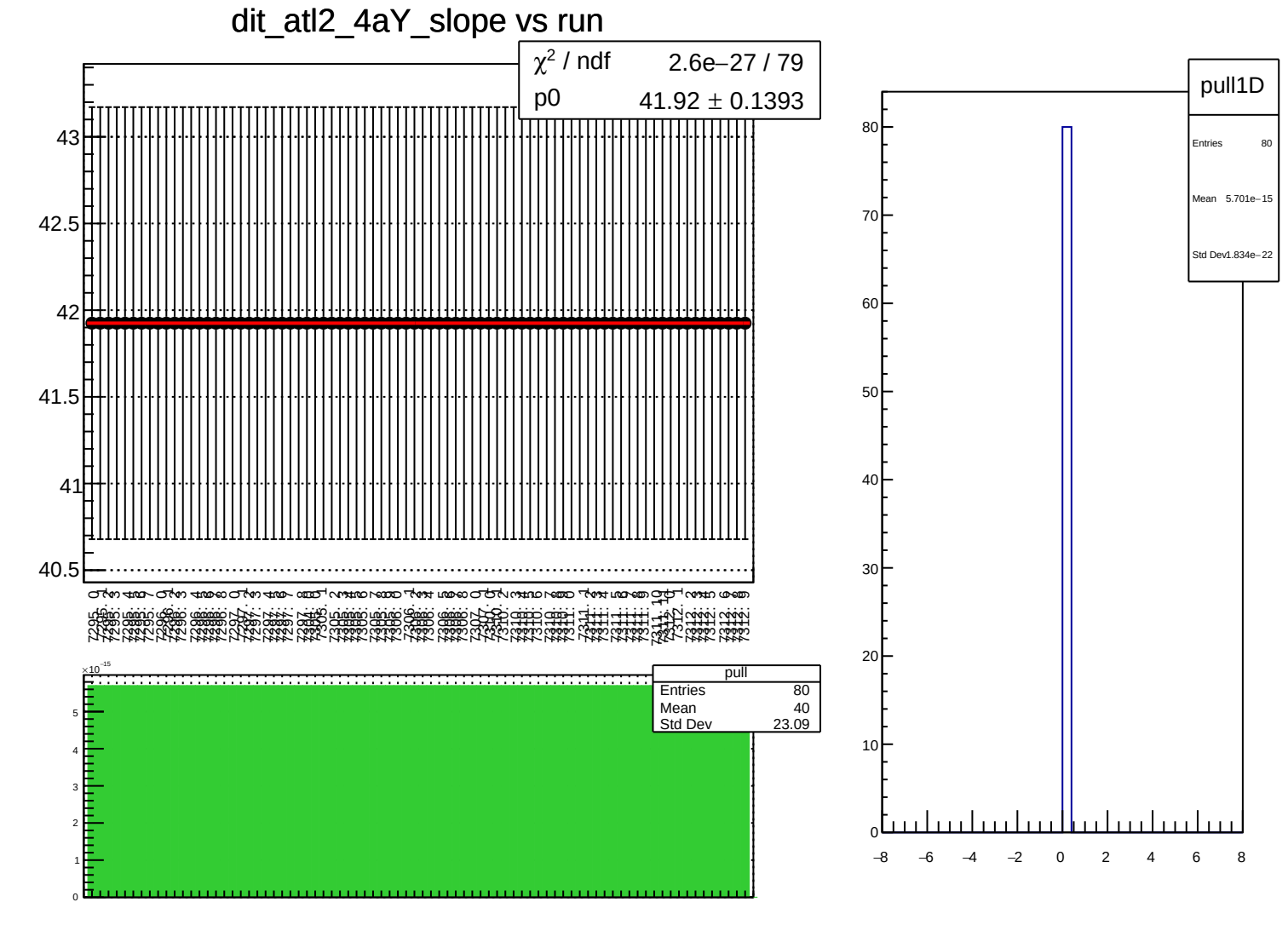

dit_atl1_4eY_slope vs run
χ² / ndf 2.965e−25 / 79
p0 −22.84 ± 0.07177
−22.2
−22.4
−22.6
−22.8
−23
−23.2
−23.4
−23.6
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.088e−14
Std Dev3.594e−21

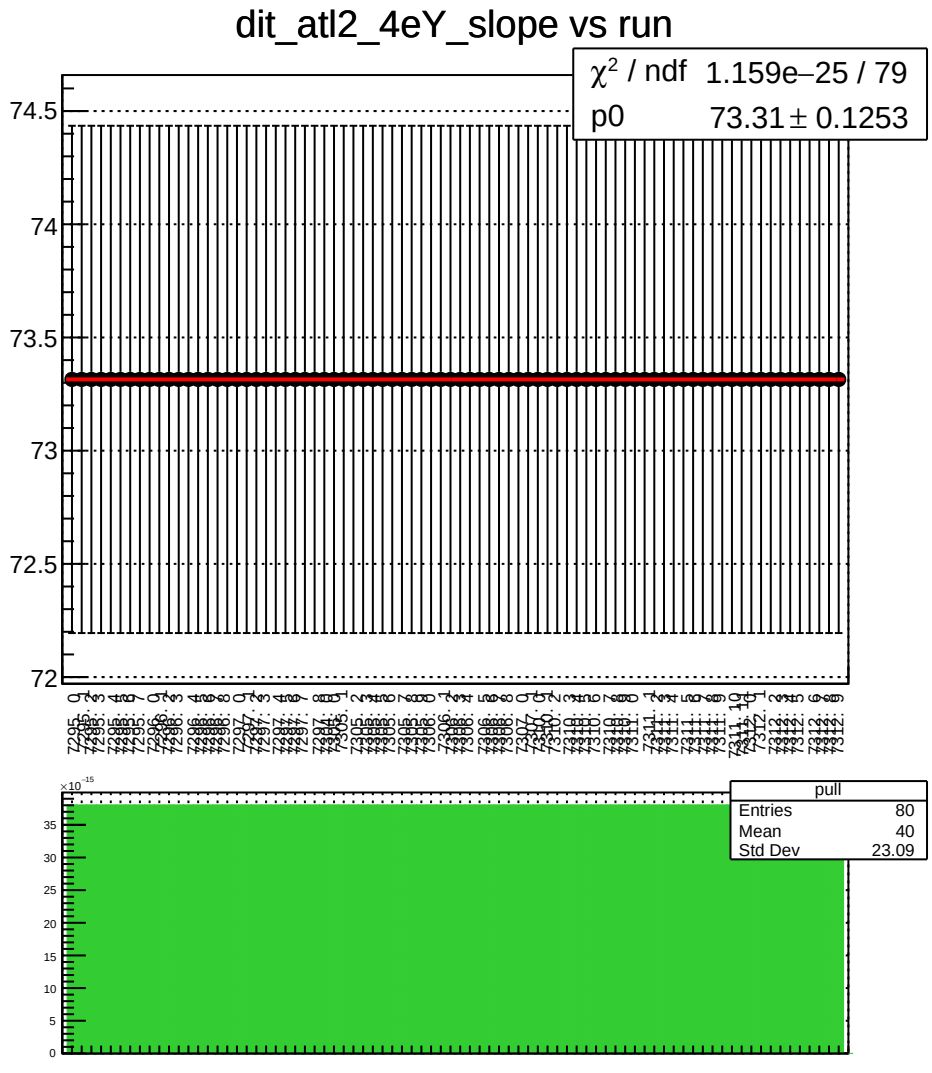

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.257e−24 / 79
p0 −705.6 ± 1.014
−695
−700
−705
−710
−715
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.254e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

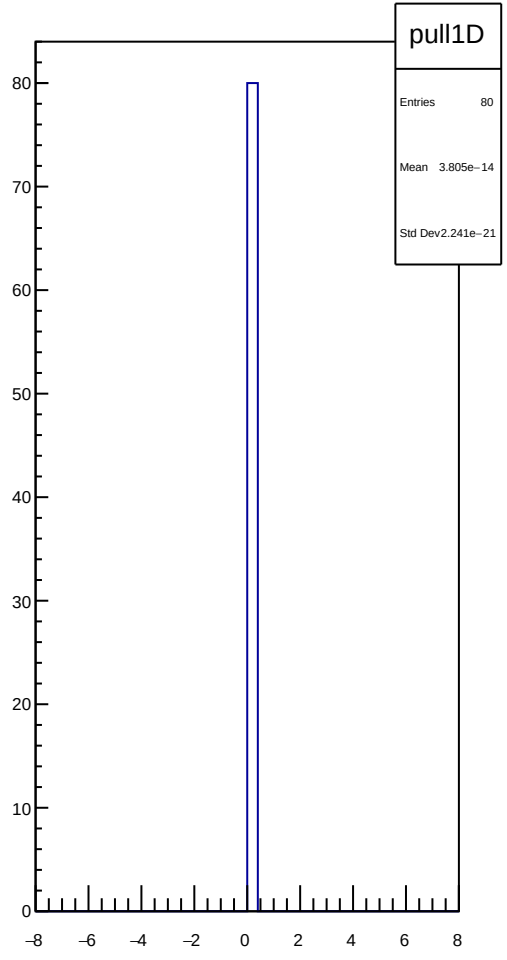

dit_atl2_4eX_slope vs run
χ² / ndf 1.56e−25 / 79
p0 647 ± 0.8635
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.416e−14
Std Dev2.075e−21

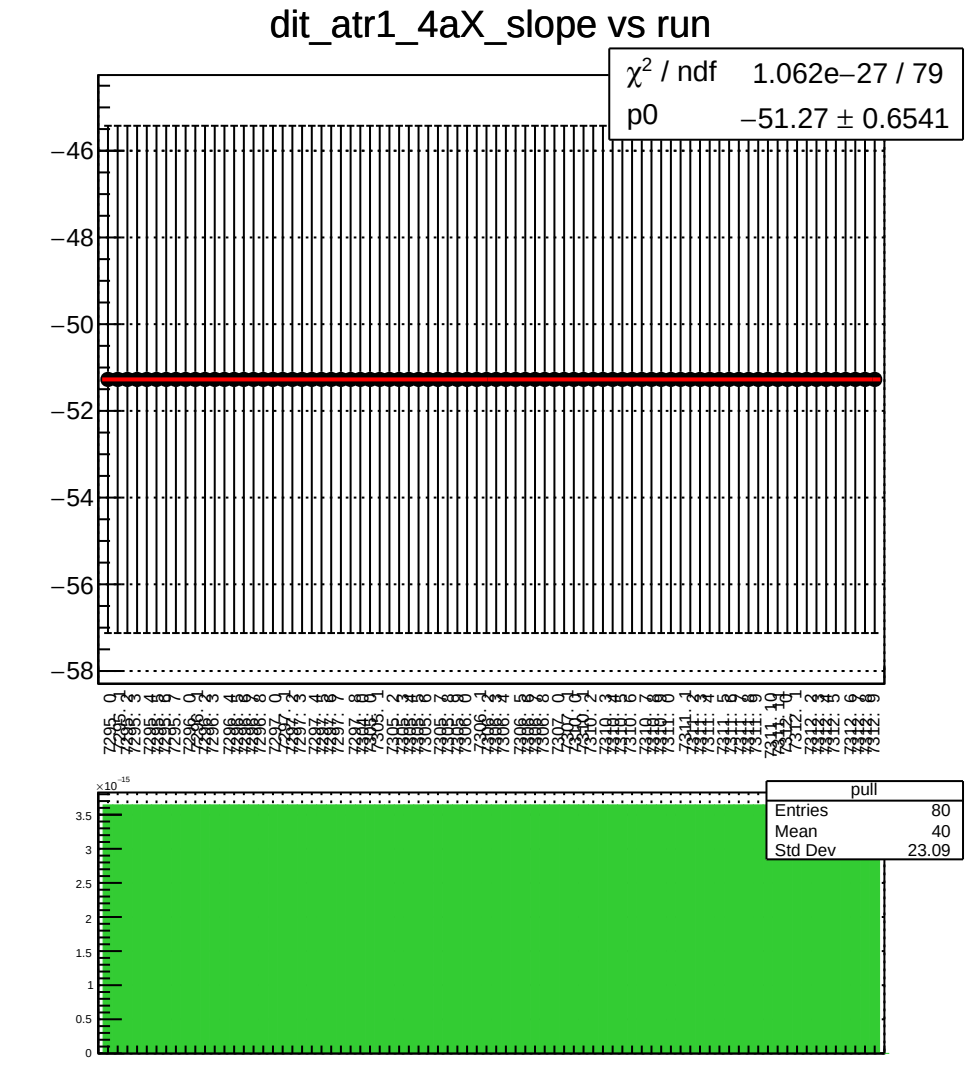

dit_atl2_11X12X_slope vs run
χ^2 / ndf 3.47e−24 / 79
p0 −221.2 ± 0.2746
−219
−220
−221
−222
−223
−224
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

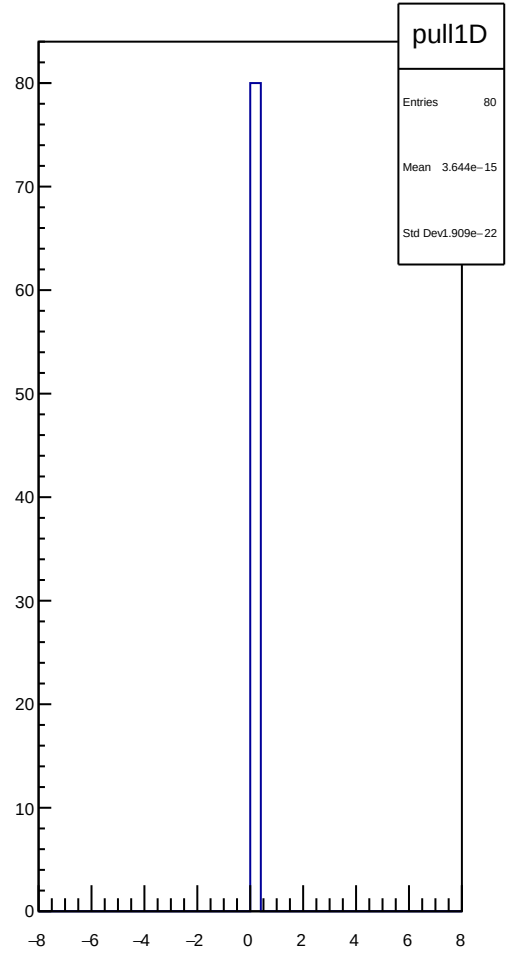

pull1D
Entries 80
Mean 2.083e−13
Std Dev1.044e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

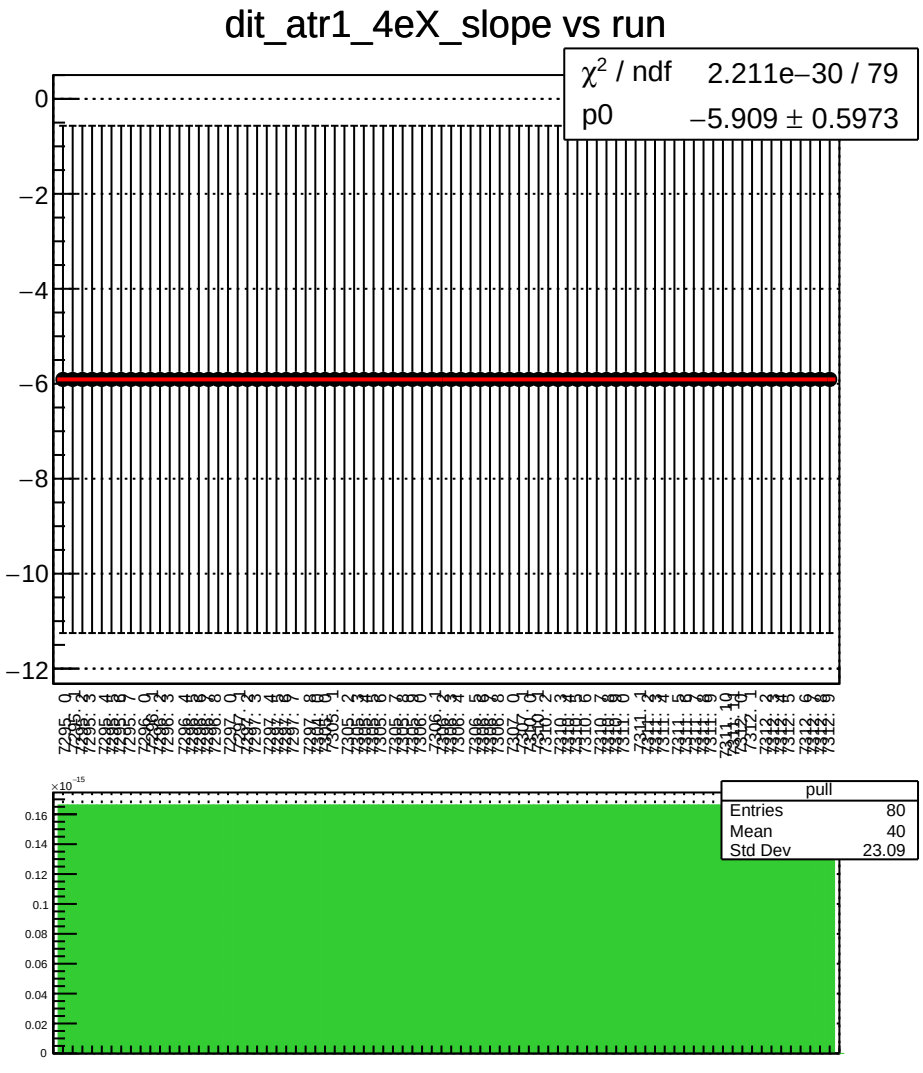

dit_atl2_4aY_slope vs run
χ² / ndf 2.6e−27 / 79
p0 41.92 ± 0.1393
43
42.5
42
41.5
41
40.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.701e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

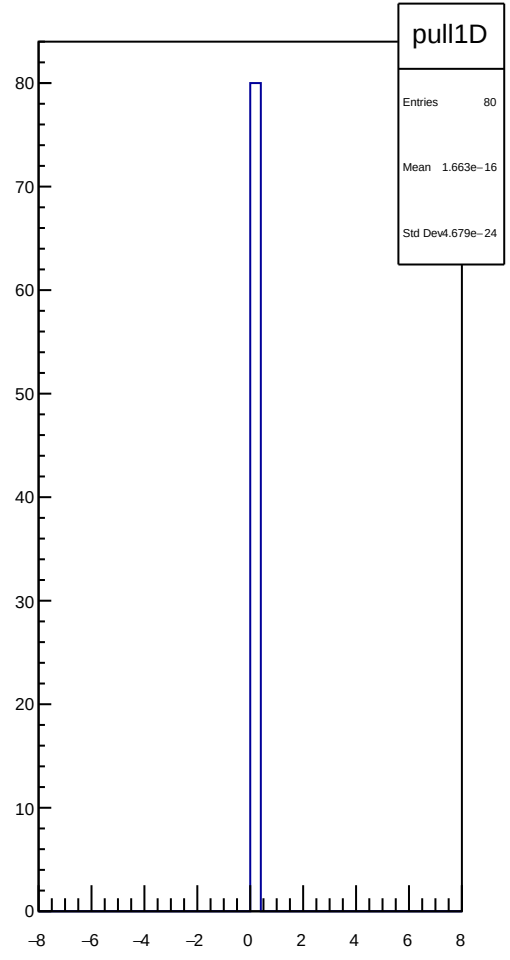

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.159e−25 / 79
p0 73.31 ± 0.1253
74.5
74
73.5
73
72.5
72
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0

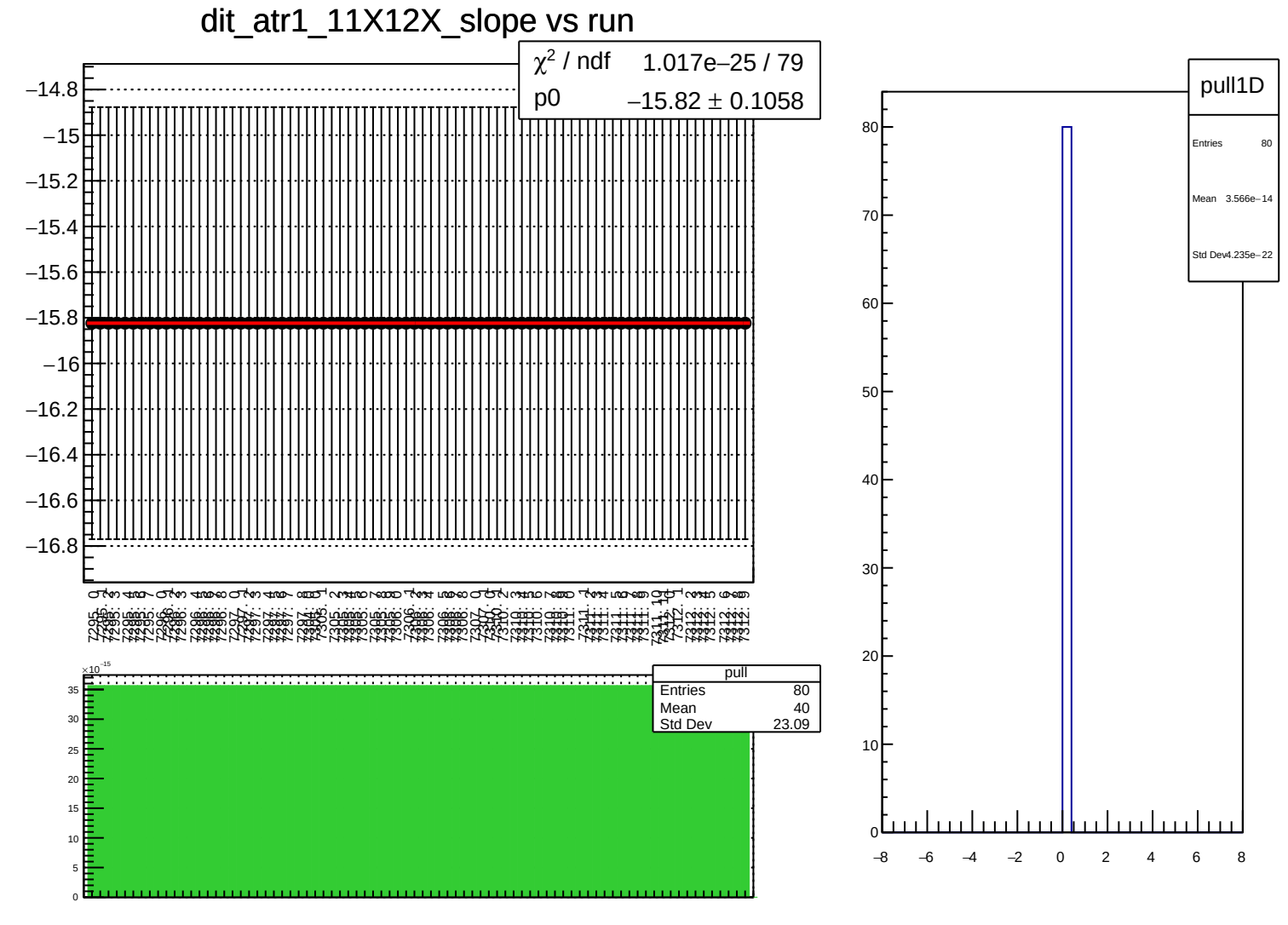

pull1D
Entries 80
Mean 3.805e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

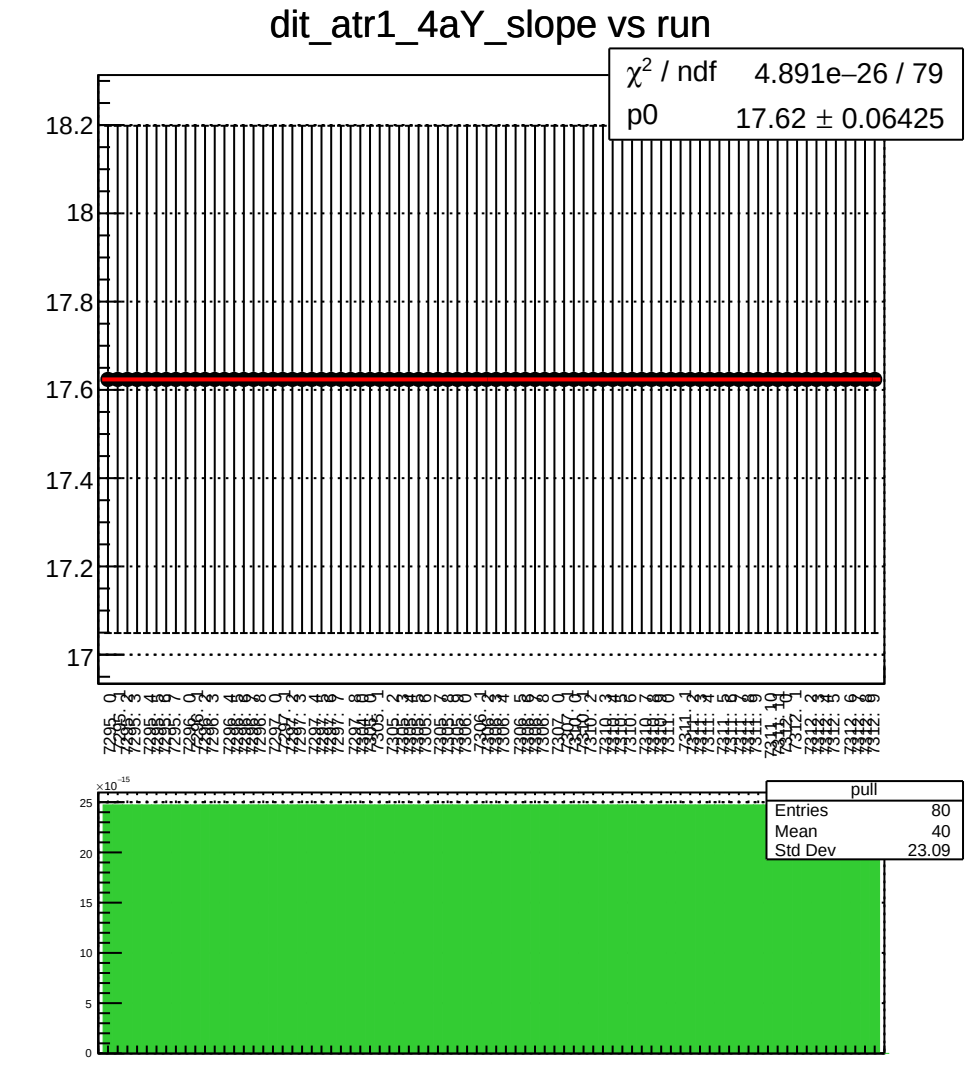

dit_atr1_4aX_slope vs run
χ² / ndf 1.062e−27 / 79
p0 −51.27 ± 0.6541
pull
Entries 80
Mean 40
Std Dev 23.09

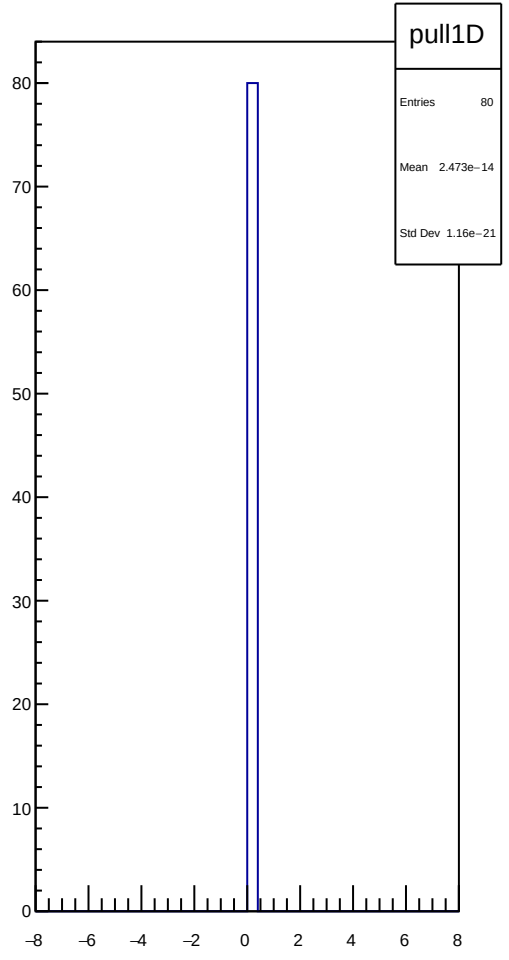

pull1D
Entries 80
Mean 3.644e−15
Std Dev1.909e−22

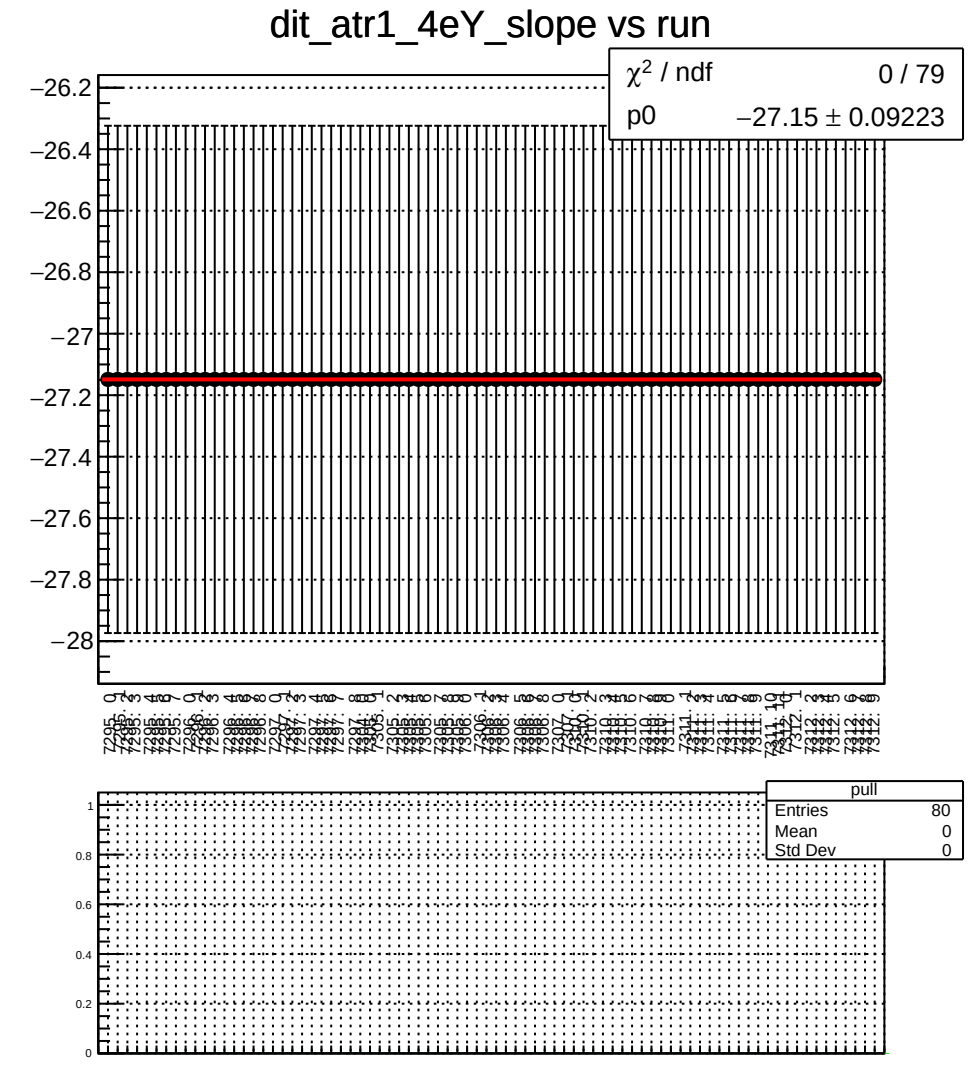

dit_atr1_4eX_slope vs run
χ² / ndf 2.211e−30 / 79
p0 −5.909 ± 0.5973
pull
Entries 80
Mean 40
Std Dev 23.09

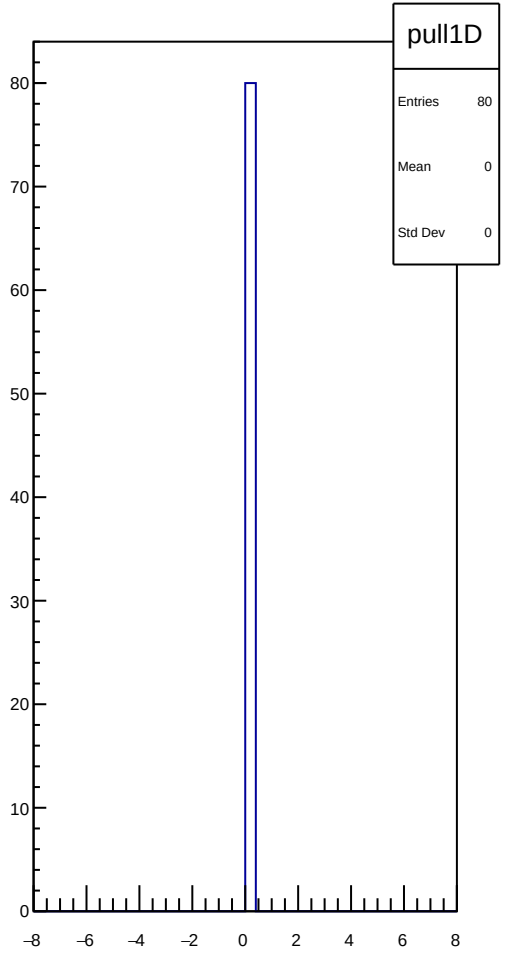

pull1D
Entries 80
Mean 1.663e−16
Std Dev 4.679e−24

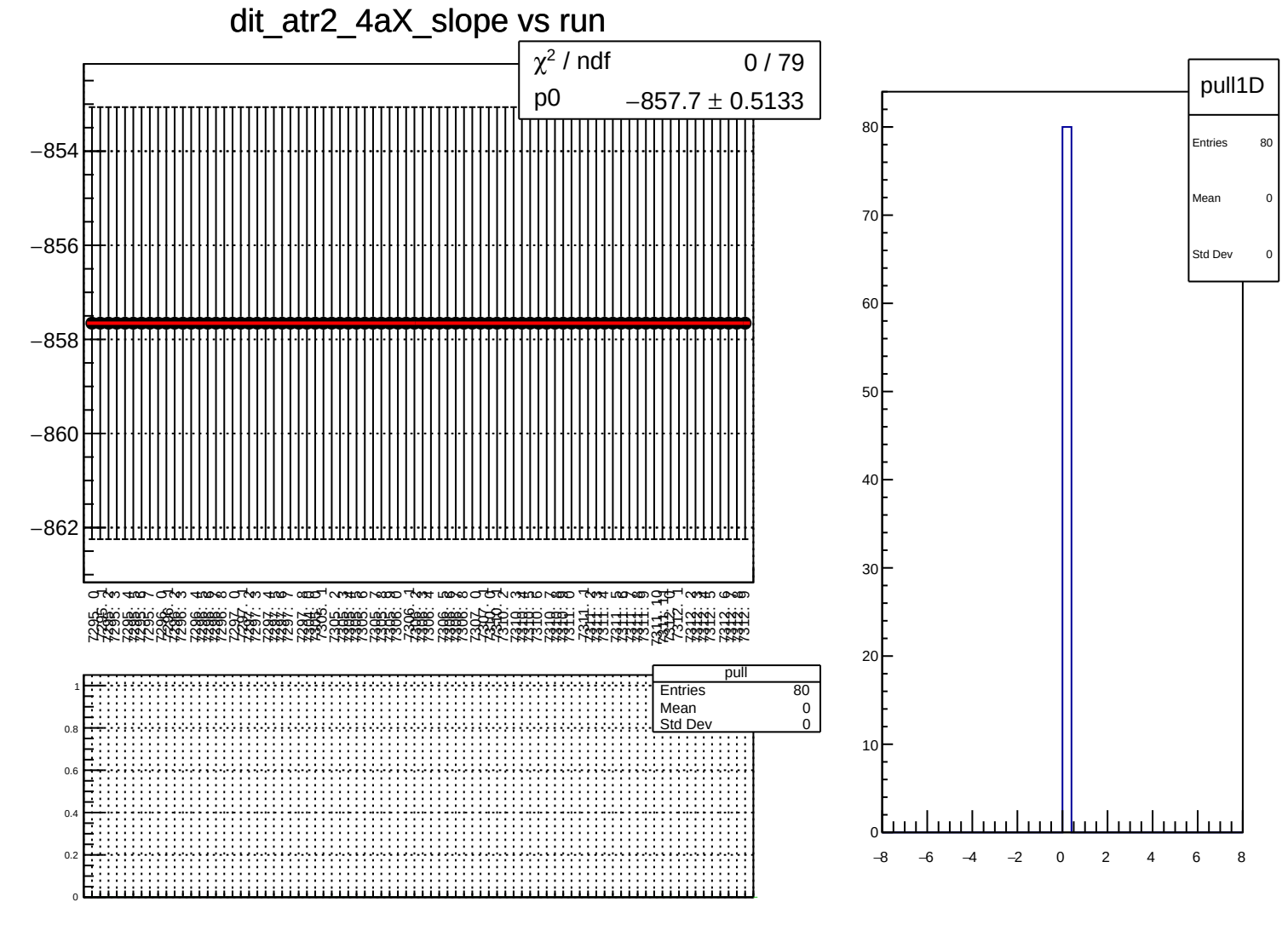

dit_atr1_11X12X_slope vs run
χ² / ndf 1.017e−25 / 79
p0 −15.82 ± 0.1058
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 80
Mean 3.566e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

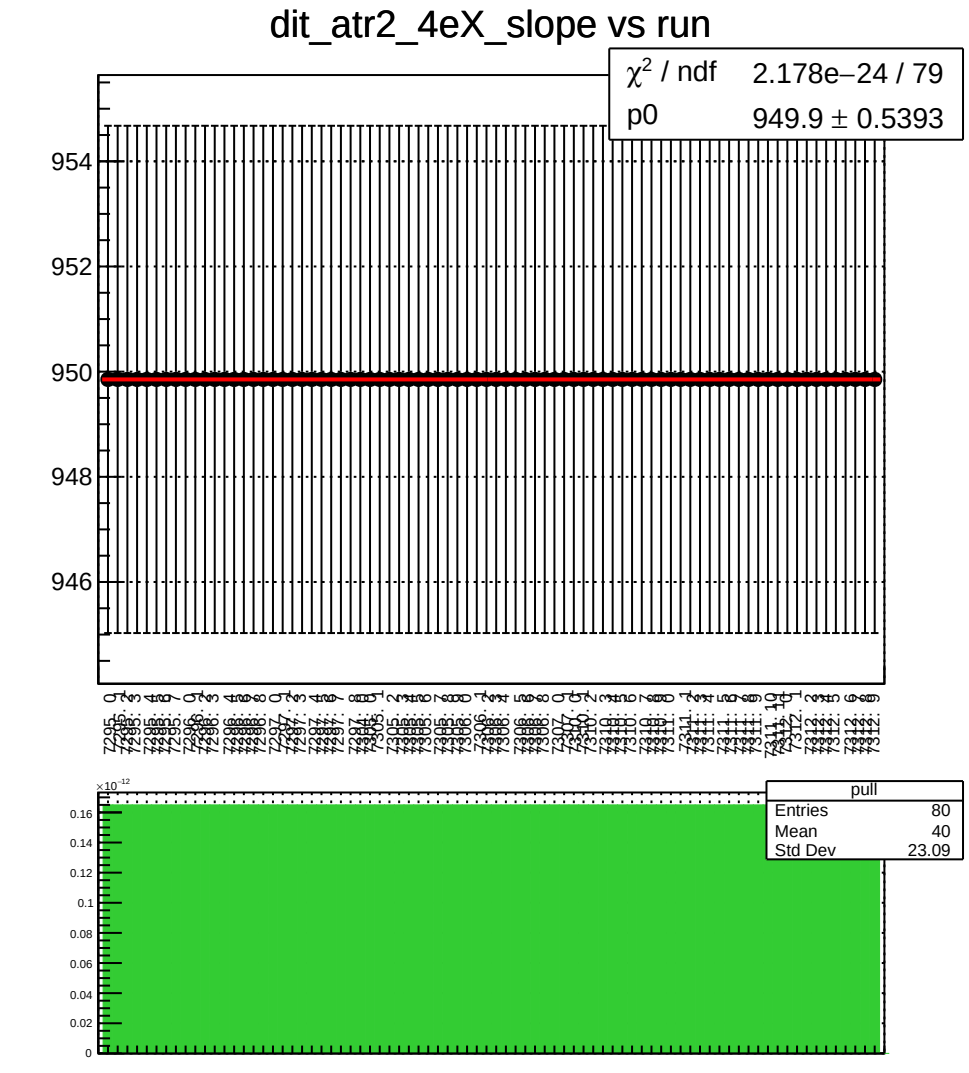

dit_atr1_4aY_slope vs run
χ² / ndf 4.891e−26 / 79
p0 17.62 ± 0.06425
18.2
18
17.8
17.6
17.4
17.2
17
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0

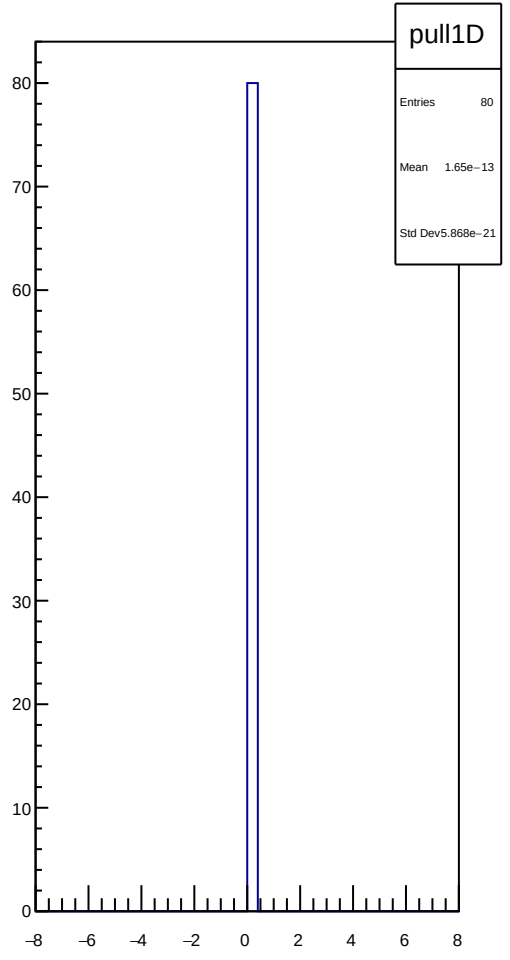

pull1D
Entries 80
Mean 2.473e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

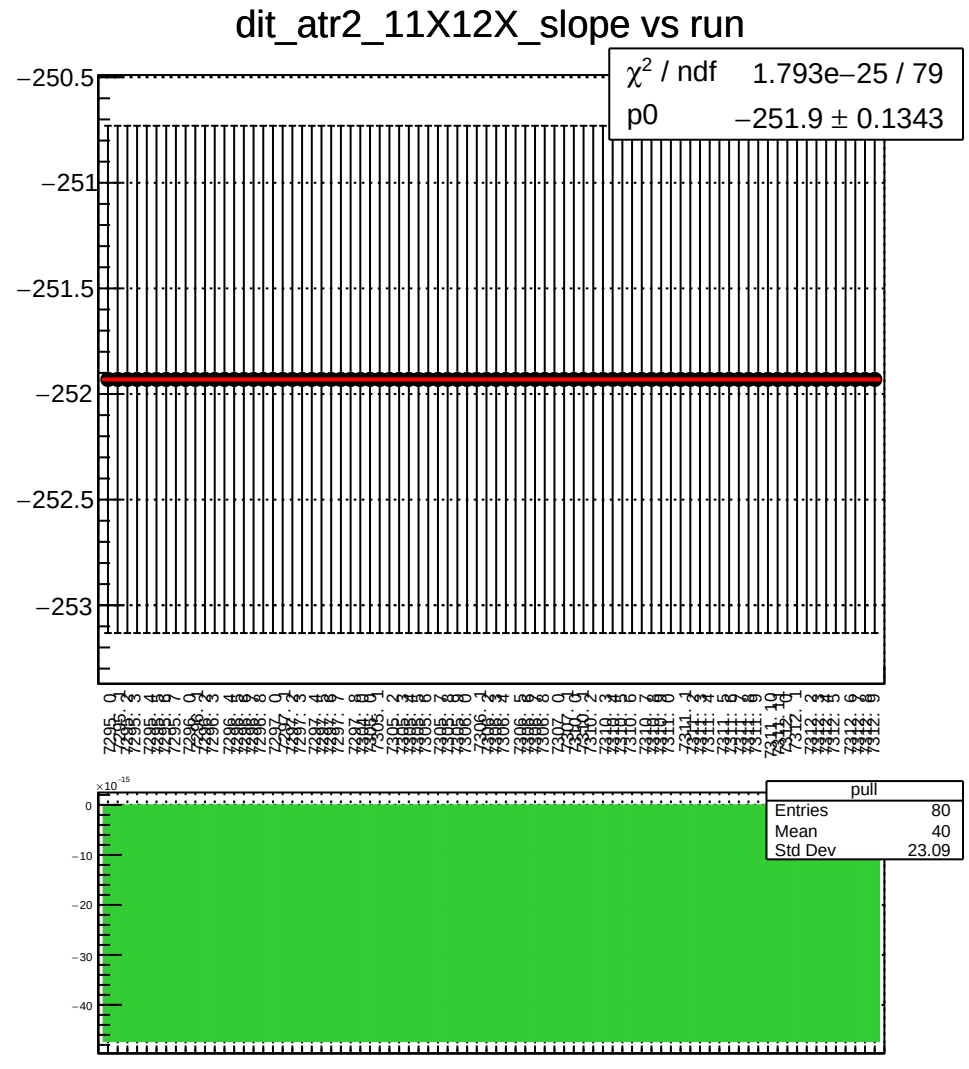

dit_atr1_4eY_slope vs run
χ² / ndf 0 / 79
p0 −27.15 ± 0.09223
−26.2
−26.4
−26.6
−26.8
−27
−27.2
−27.4
−27.6
−27.8
−28
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

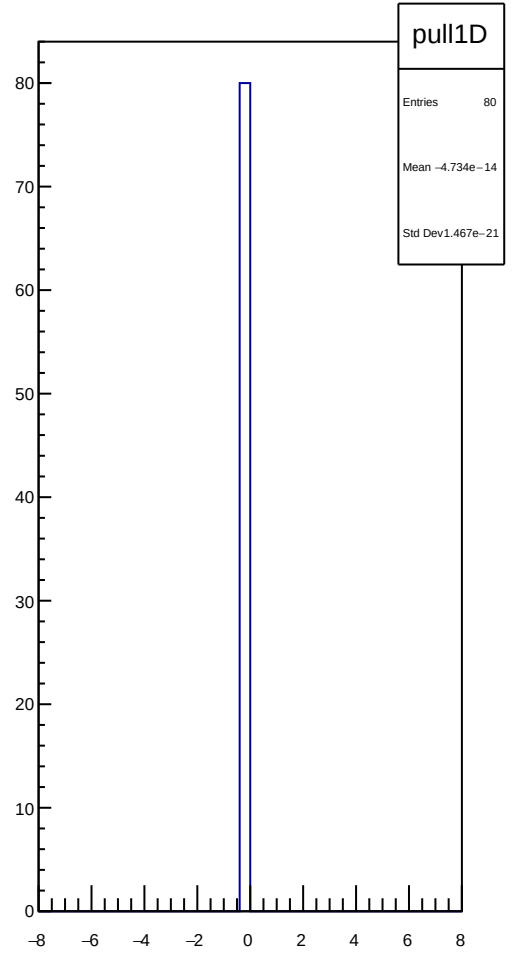

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

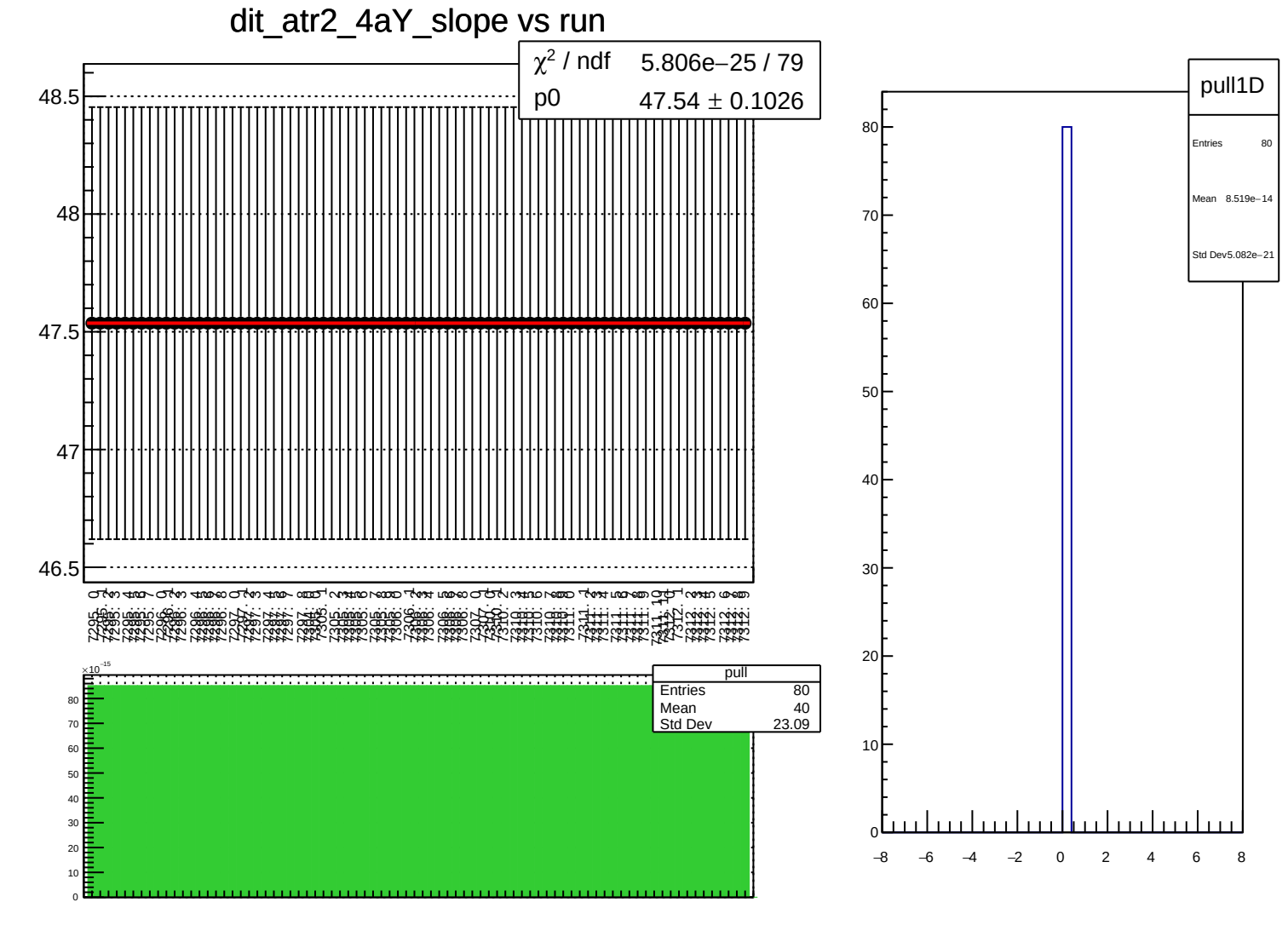

dit_atr2_4aX_slope vs run
χ^2 / ndf 0 / 79
p0 −857.7 ± 0.5133
−854
−856
−858
−860
−862
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

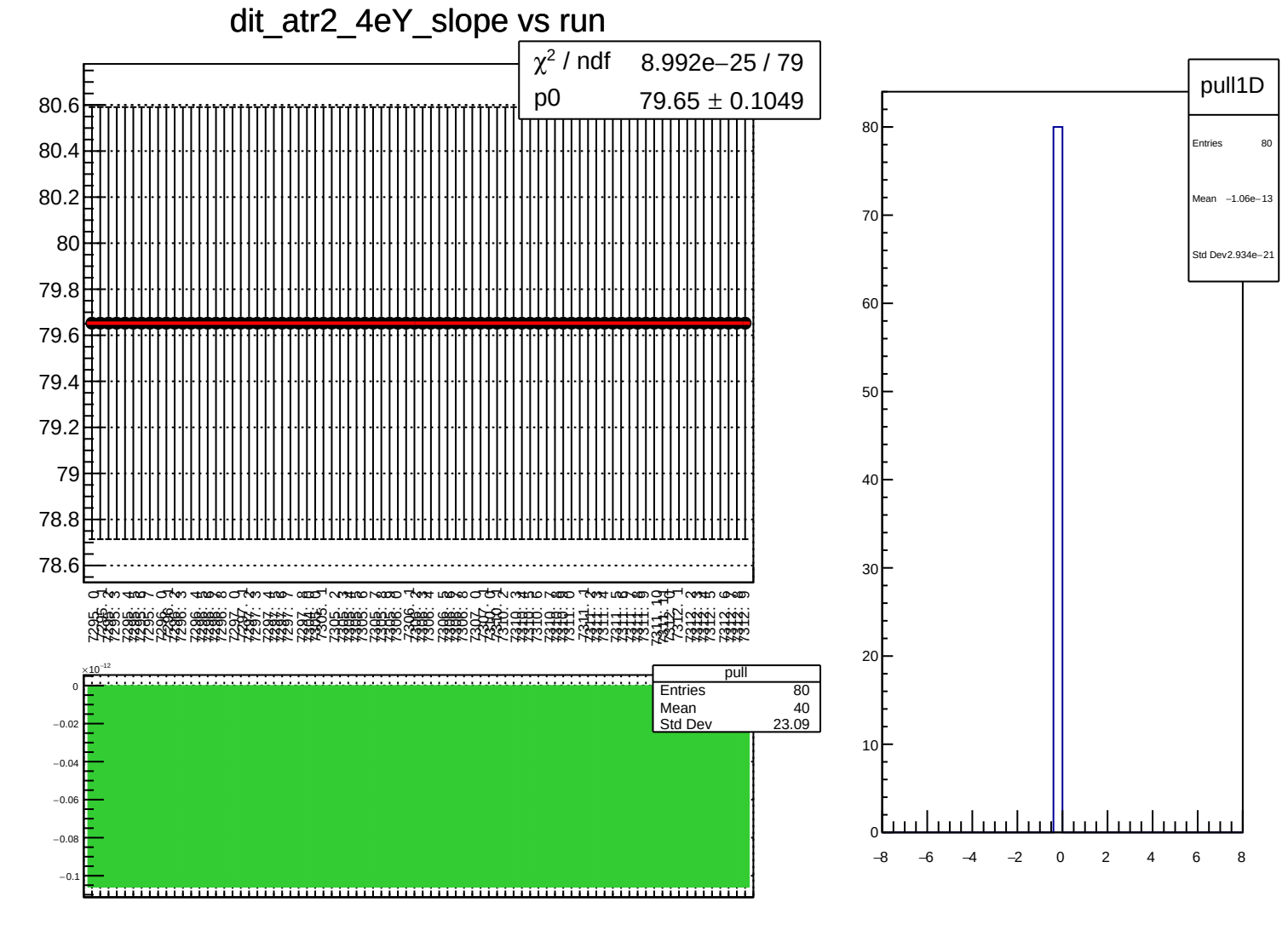

dit_atr2_4eX_slope vs run
χ² / ndf 2.178e−24 / 79
p0 949.9 ± 0.5393
954
952
950
948
946
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

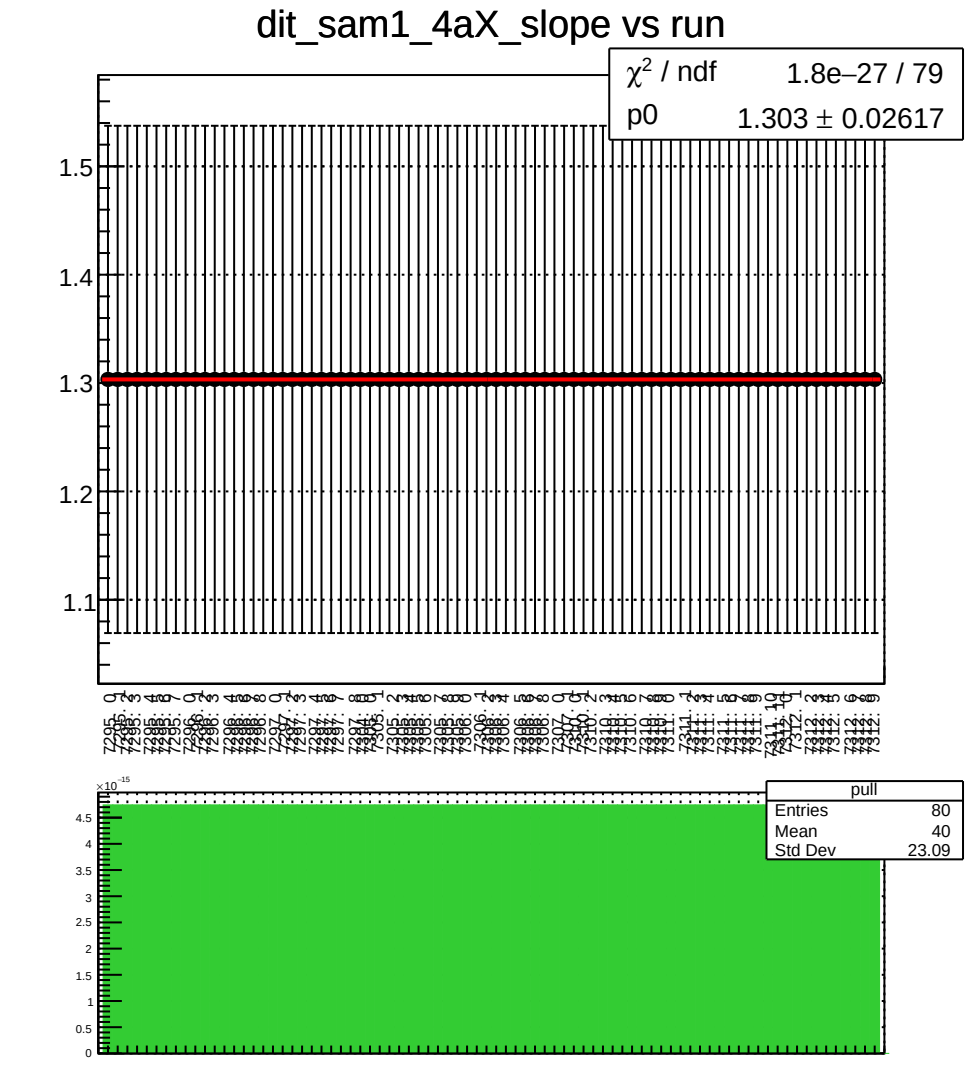

pull1D
Entries 80
Mean 1.65e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

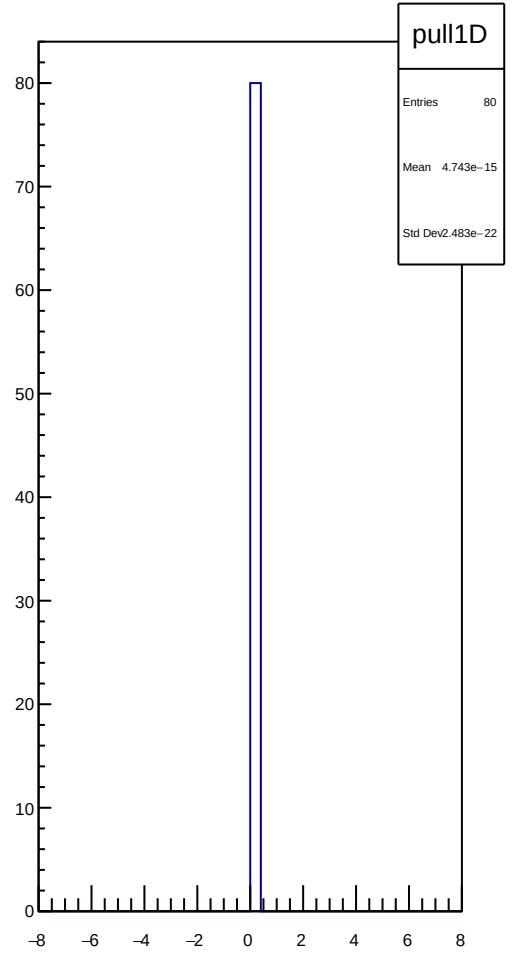

dit_atr2_11X12X_slope vs run
χ² / ndf 1.793e−25 / 79
p0 −251.9 ± 0.1343
−250.5
−251
−251.5
−252
−252.5
−253
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40

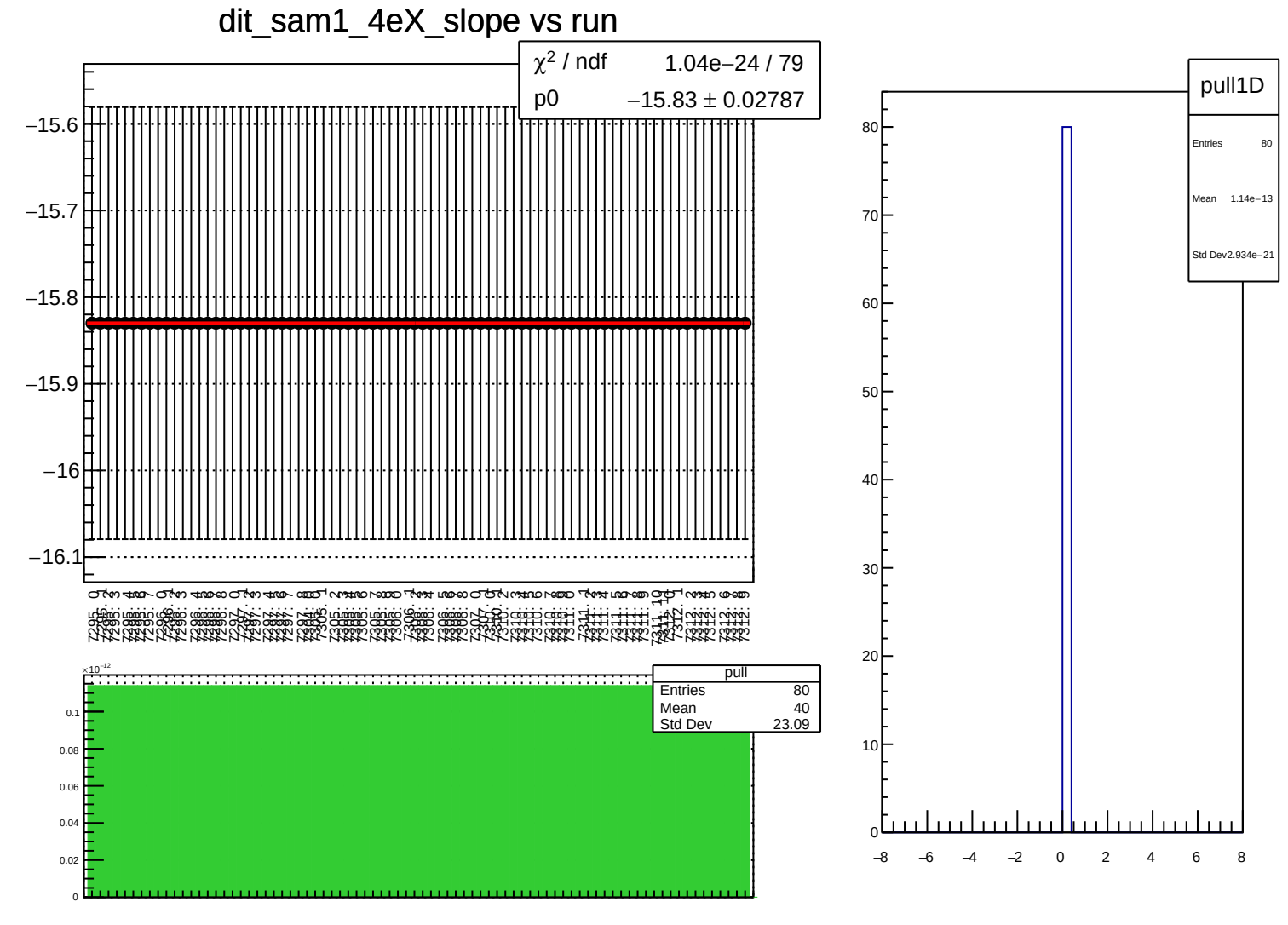

pull1D
Entries 80
Mean −4.734e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

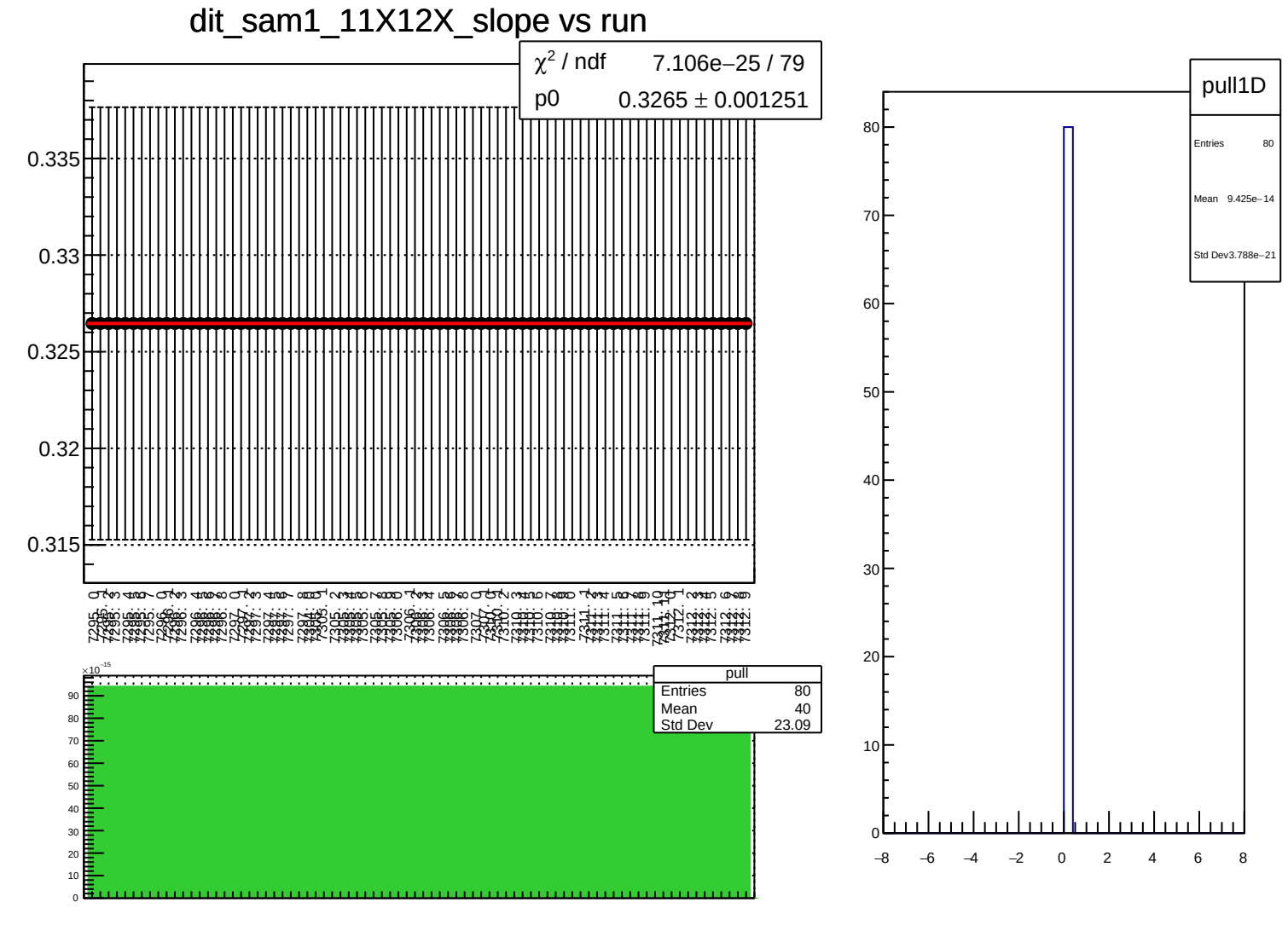

dit_atr2_4aY_slope vs run
χ² / ndf 5.806e−25 / 79
p0 47.54 ± 0.1026
48.5
48
47.5
47
46.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 8.519e−14
Std Dev5.082e−21

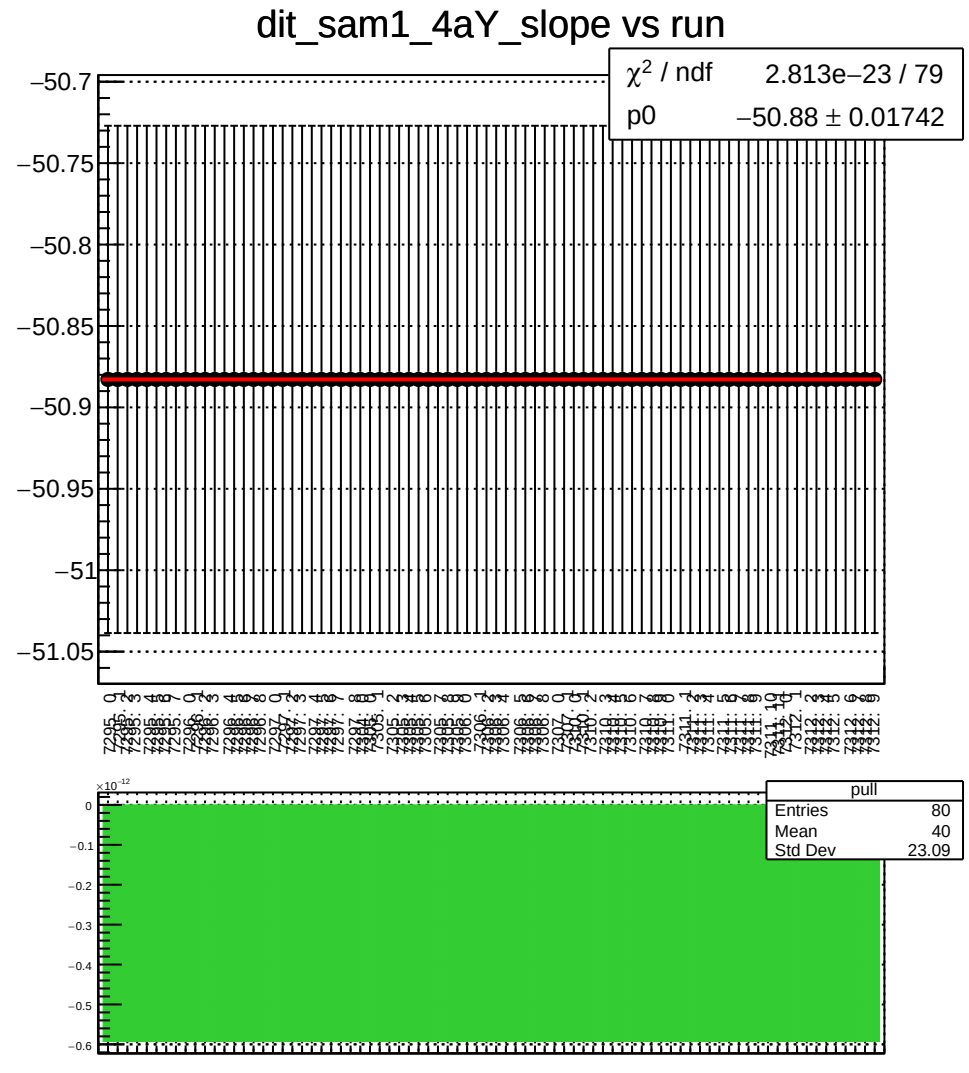

dit_atr2_4eY_slope vs run
χ² / ndf 8.992e−25 / 79
p0 79.65 ± 0.1049
80.6
80.4
80.2
80
79.8
79.6
79.4
79.2
79
78.8
78.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 80
Mean −1.06e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

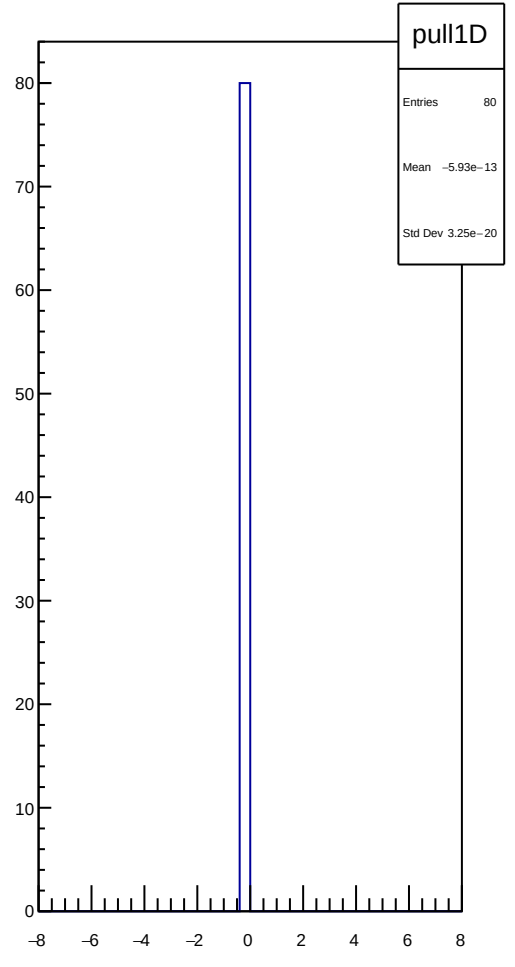

dit_sam1_4aX_slope vs run
χ² / ndf 1.8e−27 / 79
p0 1.303 ± 0.02617
1.5
1.4
1.3
1.2
1.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

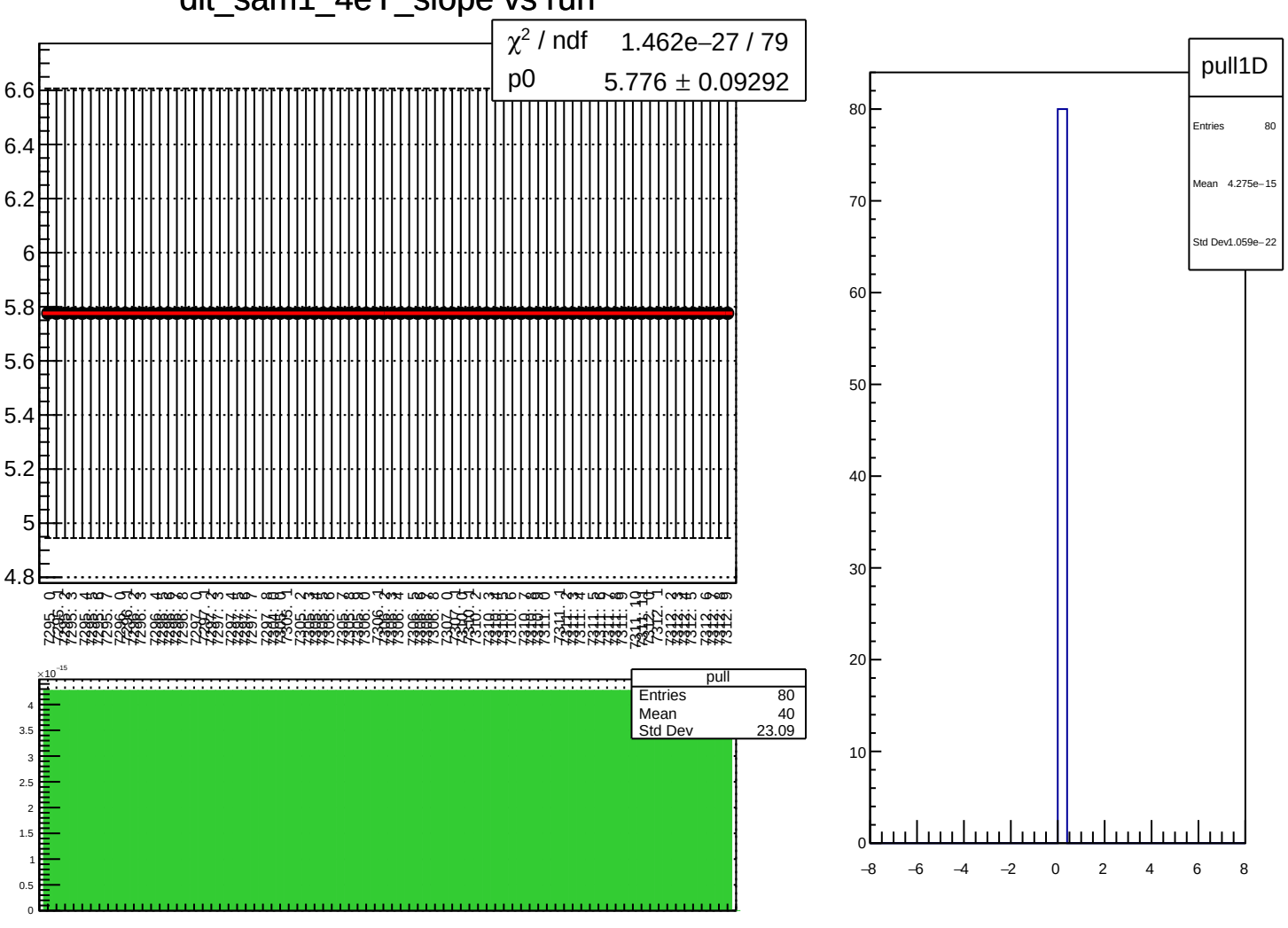

pull1D
Entries 80
Mean 4.743e−15
Std Dev2.483e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

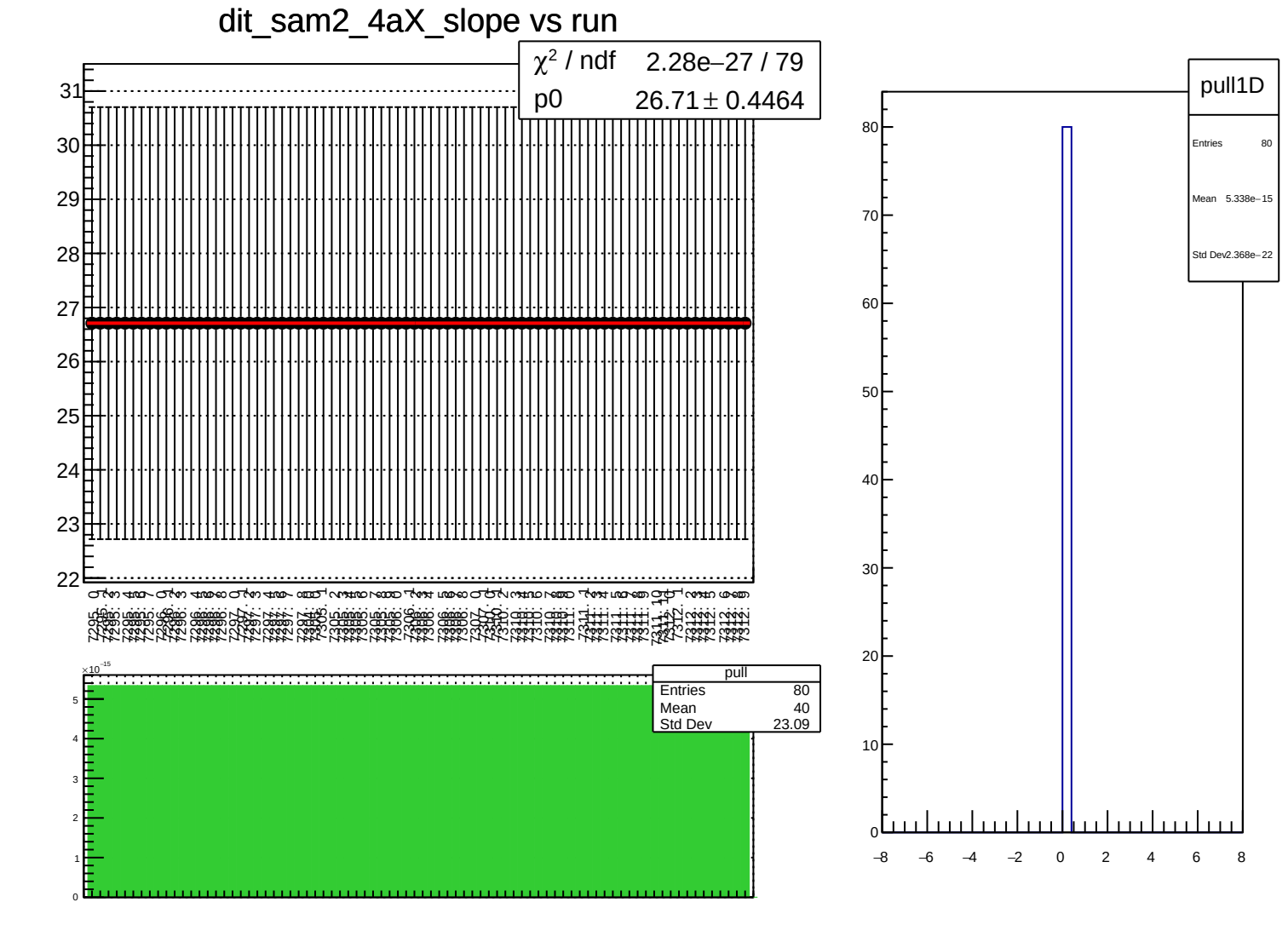

dit_sam1_4eX_slope vs run
χ² / ndf 1.04e−24 / 79
p0 −15.83 ± 0.02787
−15.6
−15.7
−15.8
−15.9
−16
−16.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.14e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

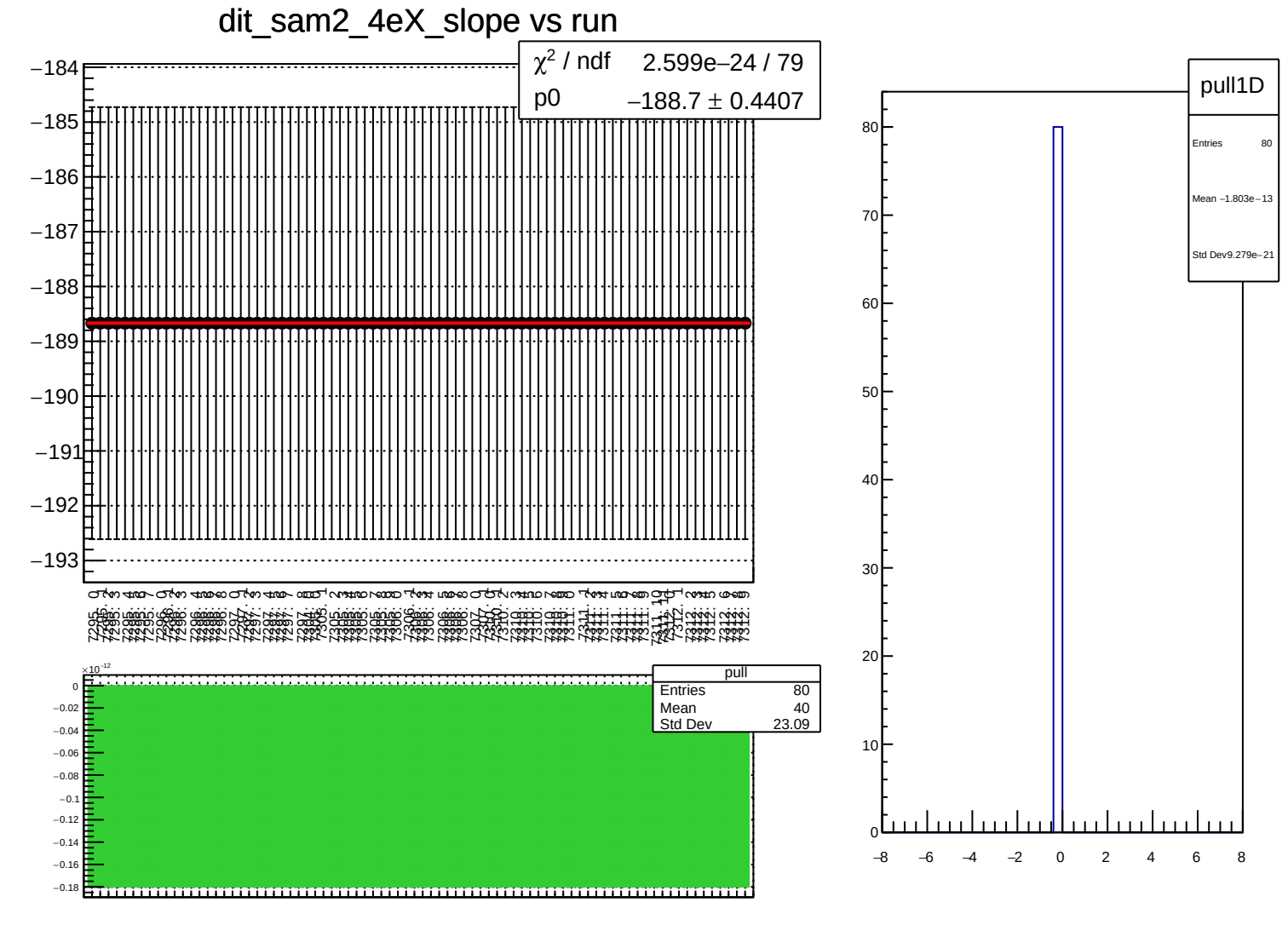

dit_sam1_11X12X_slope vs run
χ² / ndf 7.106e−25 / 79
p0 0.3265 ± 0.001251
0.335
0.33
0.325
0.32
0.315
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.425e−14
Std Dev3.788e−21

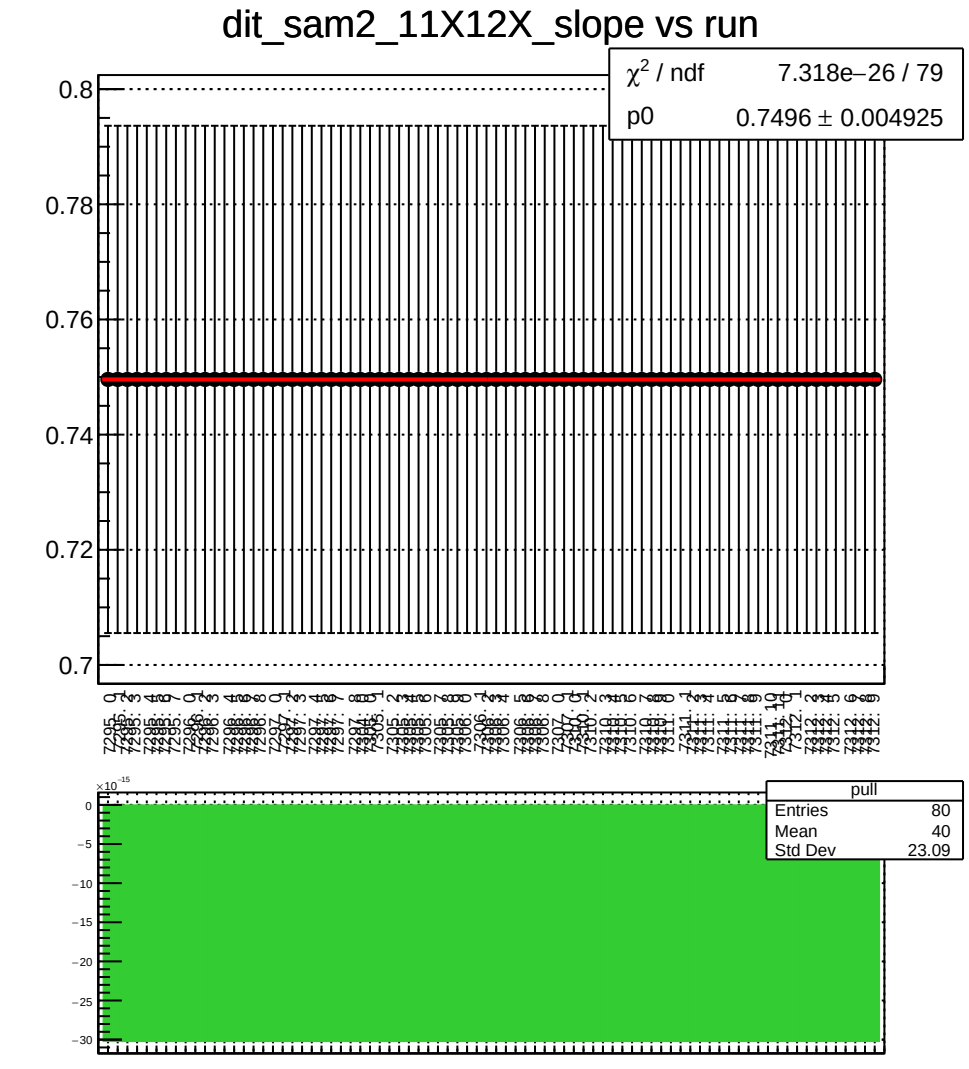

dit_sam1_4aY_slope vs run
χ² / ndf 2.813e−23 / 79
p0 −50.88 ± 0.01742
−50.7
−50.75
−50.8
−50.85
−50.9
−50.95
−51
−51.05
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

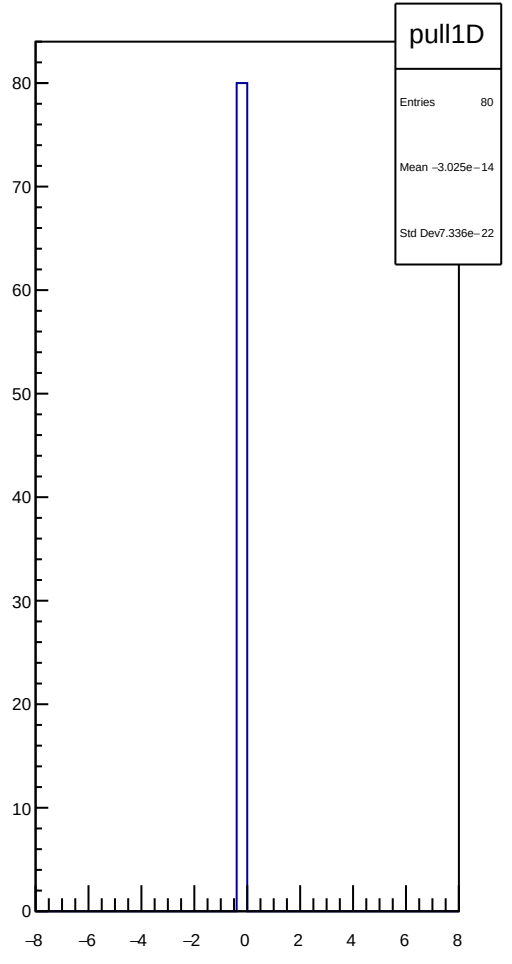

pull1D
Entries 80
Mean −5.93e−13
Std Dev 3.25e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

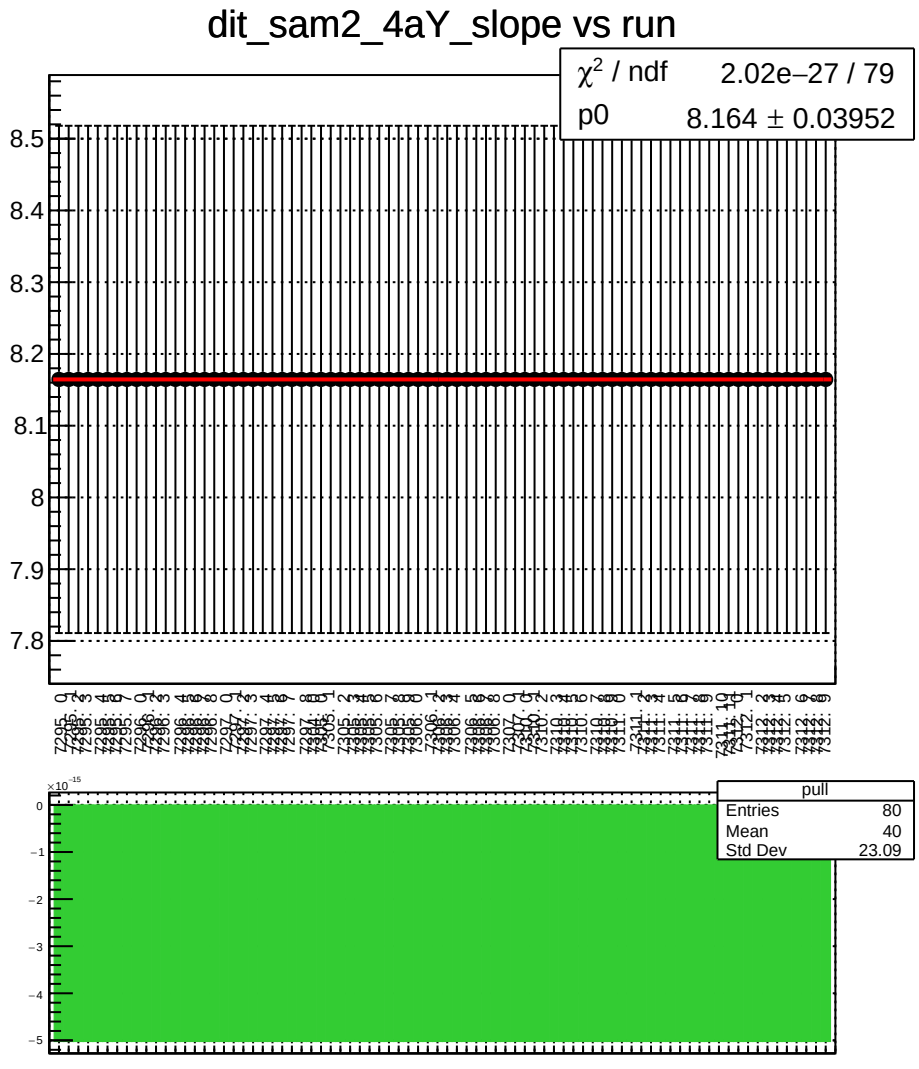

dit_sam1_4eY_slope vs run
χ² / ndf 1.462e−27 / 79
p0 5.776 ± 0.09292
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.275e−15
Std Dev1.059e−22

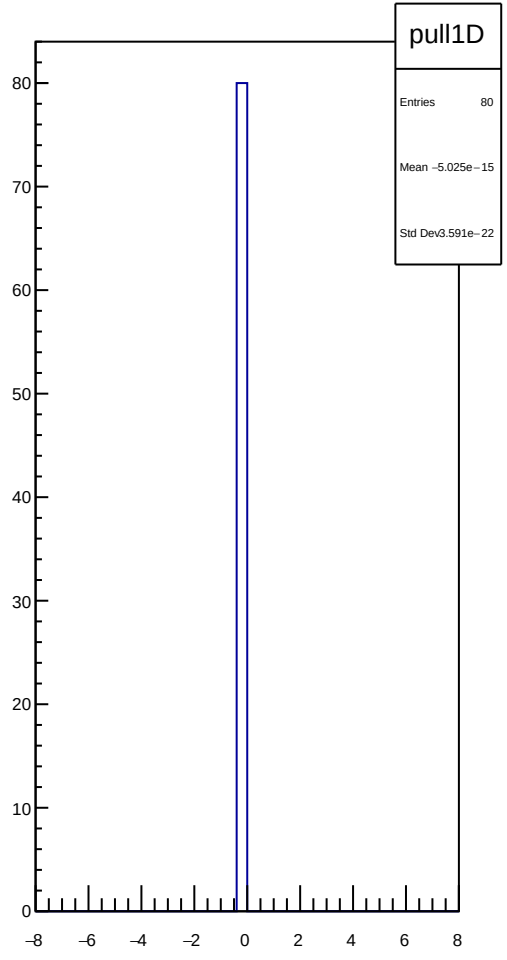

dit_sam2_4aX_slope vs run
χ² / ndf 2.28e−27 / 79
p0 26.71 ± 0.4464
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.338e−15
Std Dev 2.368e−22

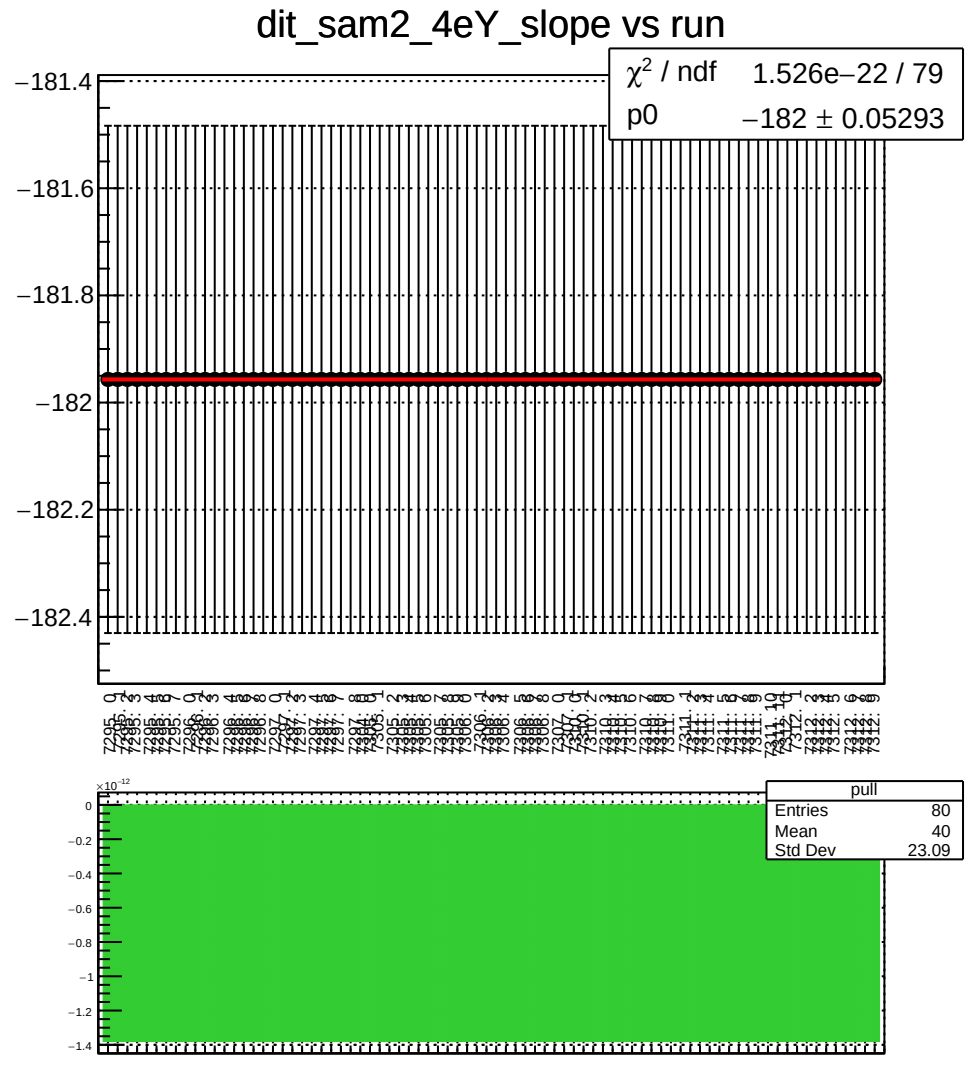

dit_sam2_4eX_slope vs run
χ² / ndf 2.599e−24 / 79
p0 −188.7 ± 0.4407
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.803e−13
Std Dev9.279e−21

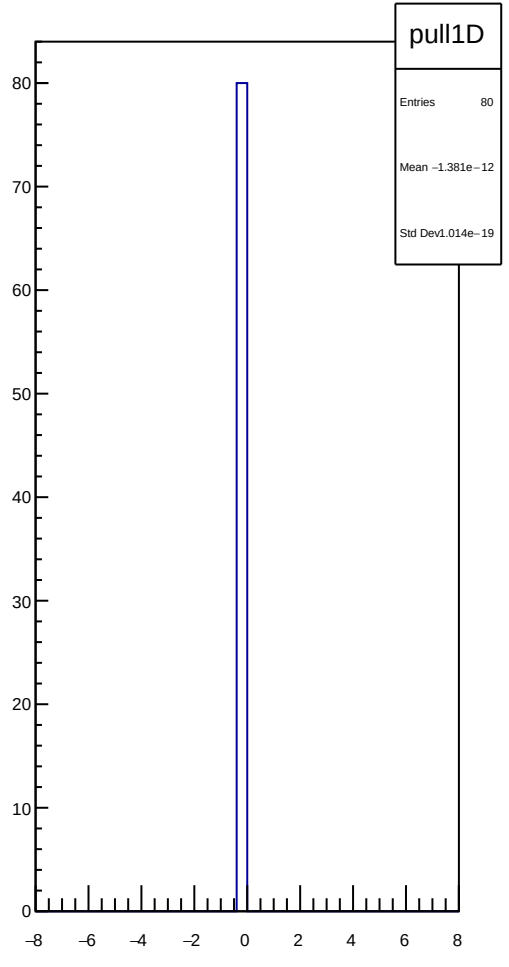

dit_sam2_11X12X_slope vs run
χ² / ndf 7.318e−26 / 79
p0 0.7496 ± 0.004925
0.8
0.78
0.76
0.74
0.72
0.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

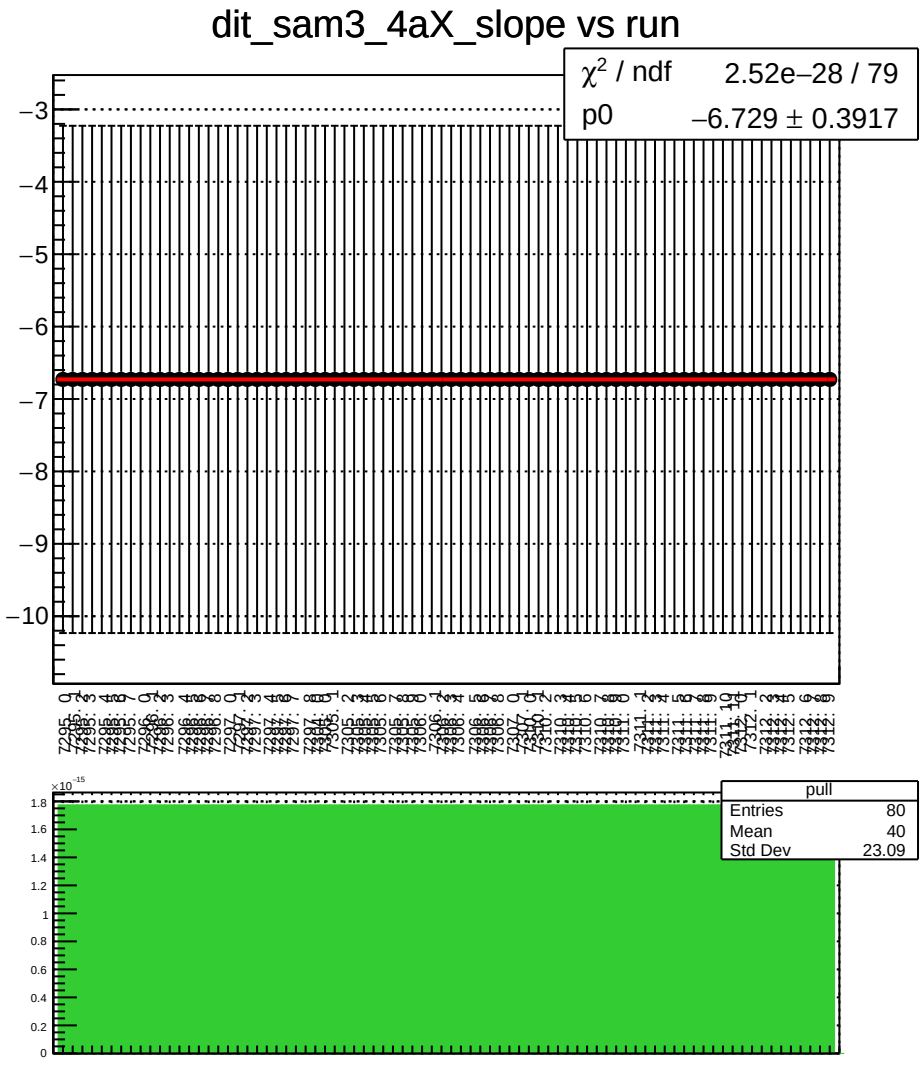

pull1D
Entries 80
Mean −3.025e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

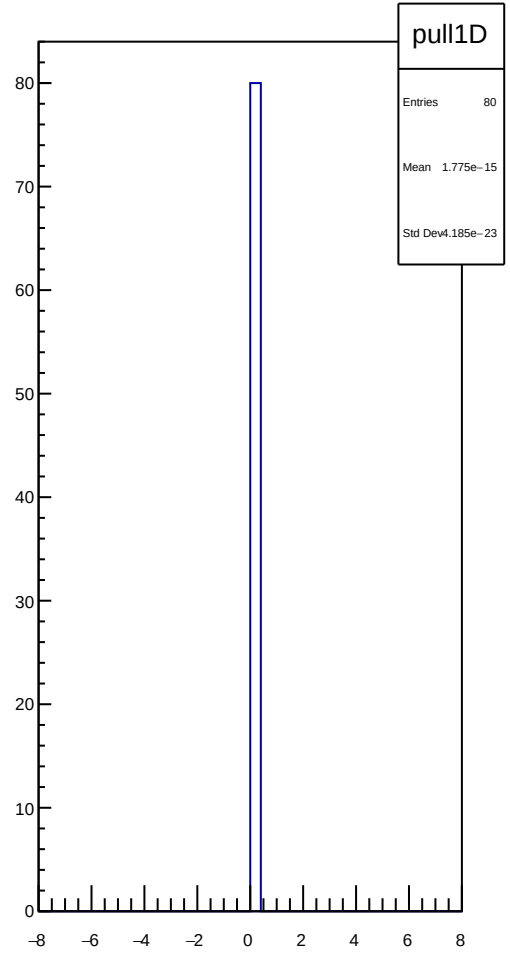

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.02e−27 / 79
p0 8.164 ± 0.03952
8.5
8.4
8.3
8.2
8.1
8
7.9
7.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5

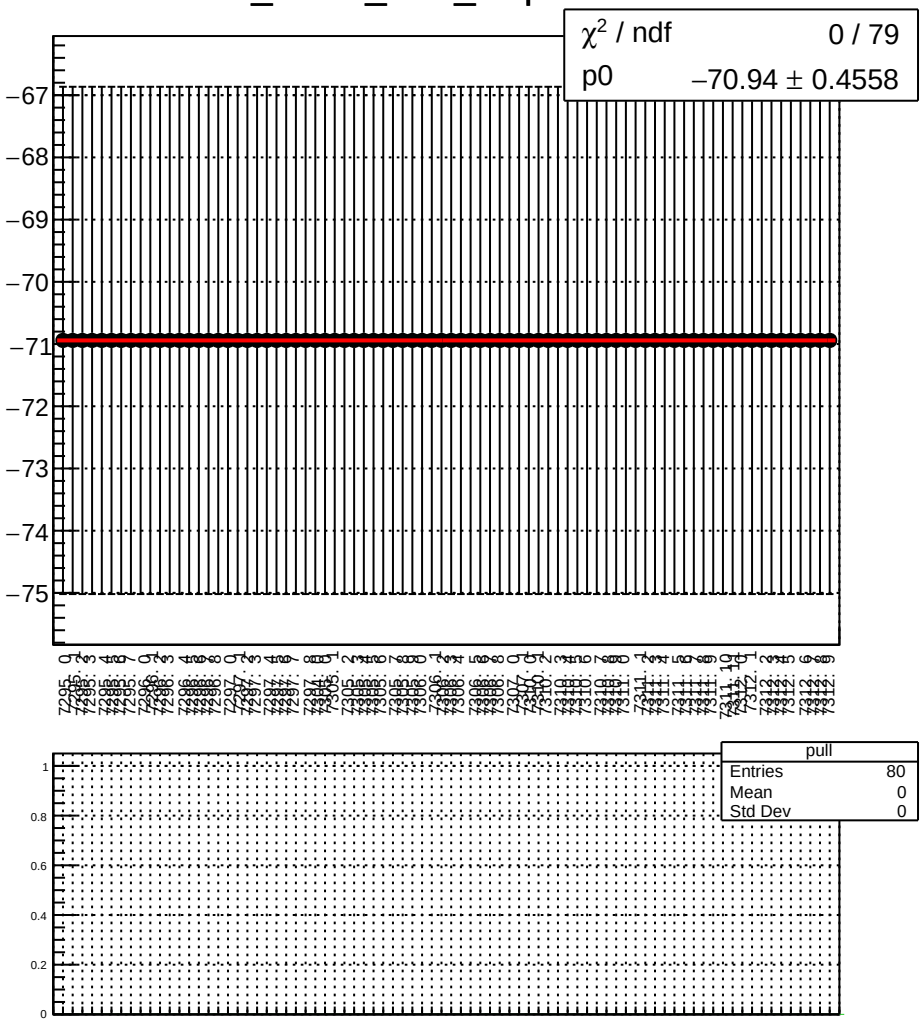

pull1D
Entries 80
Mean −5.025e−15
Std Dev3.591e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

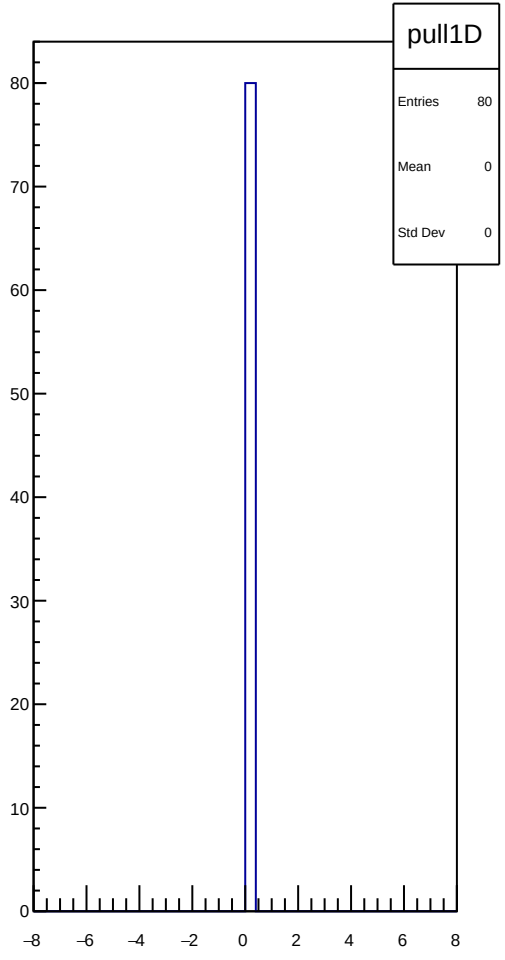

dit_sam2_4eY_slope vs run
χ² / ndf 1.526e−22 / 79
p0 −182 ± 0.05293
−181.4
−181.6
−181.8
−182
−182.2
−182.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

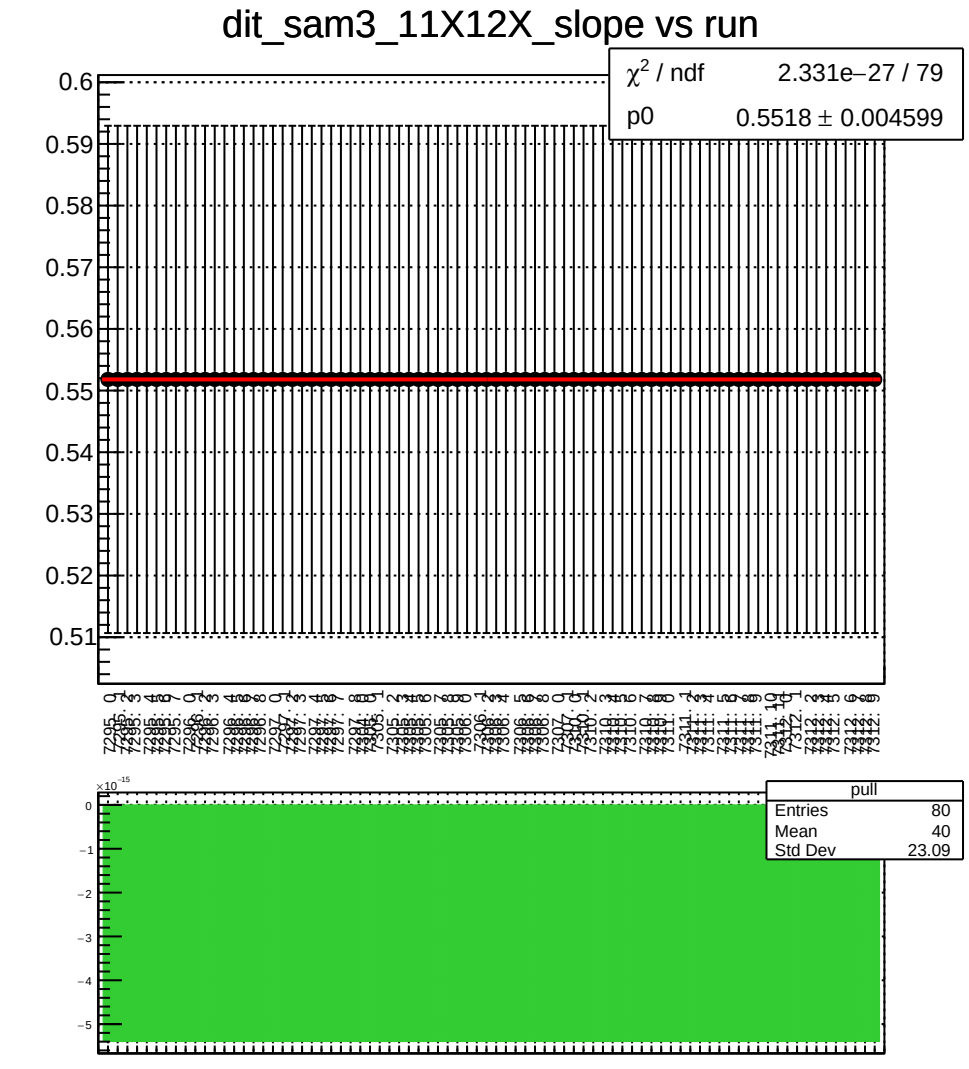

pull1D
Entries 80
Mean −1.381e−12
Std Dev1.014e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

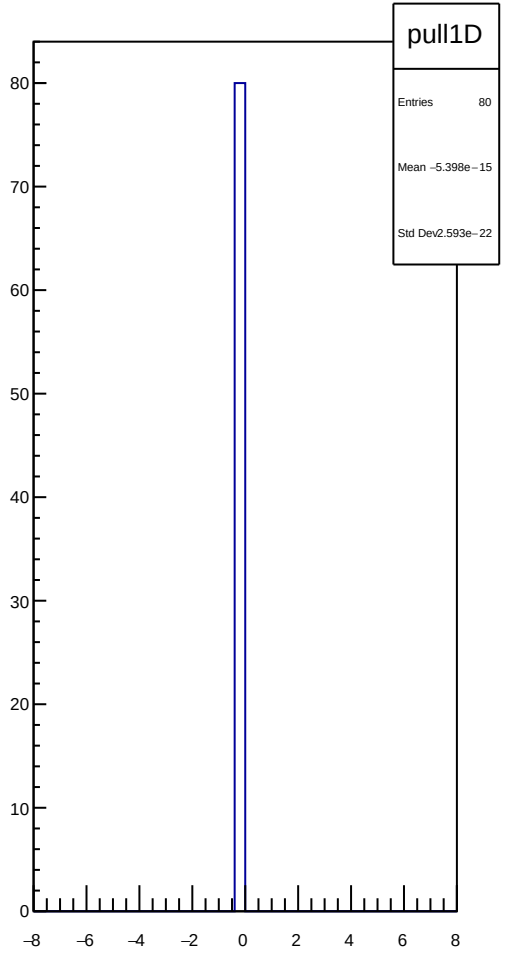

dit_sam3_4aX_slope vs run
χ² / ndf 2.52e−28 / 79
p0 −6.729 ± 0.3917
pull
Entries 80
Mean 40
Std Dev 23.09

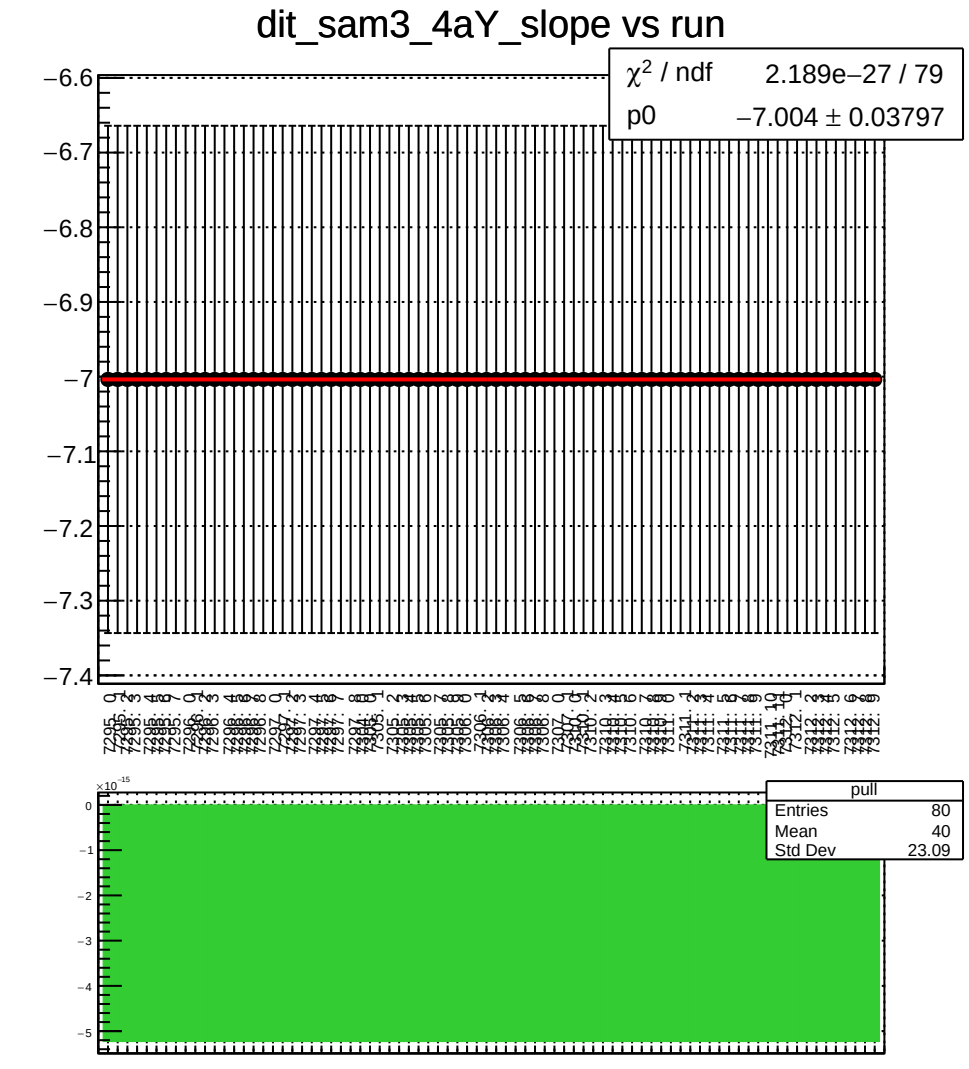

pull1D
Entries 80
Mean 1.775e−15
Std Dev4.185e−23

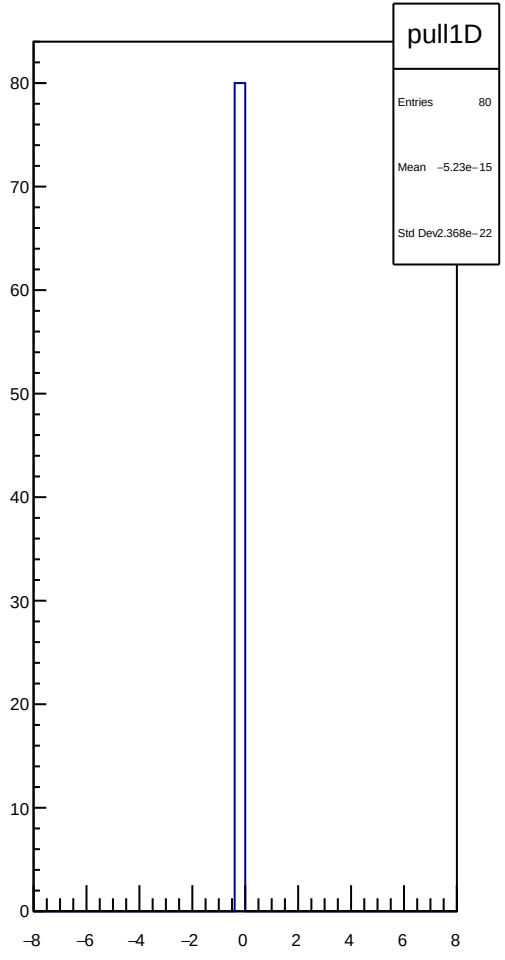

dit_sam3_4eX_slope vs run
χ² / ndf 0 / 79
p0 −70.94 ± 0.4558
pull
Entries 80
Mean 0
Std Dev 0

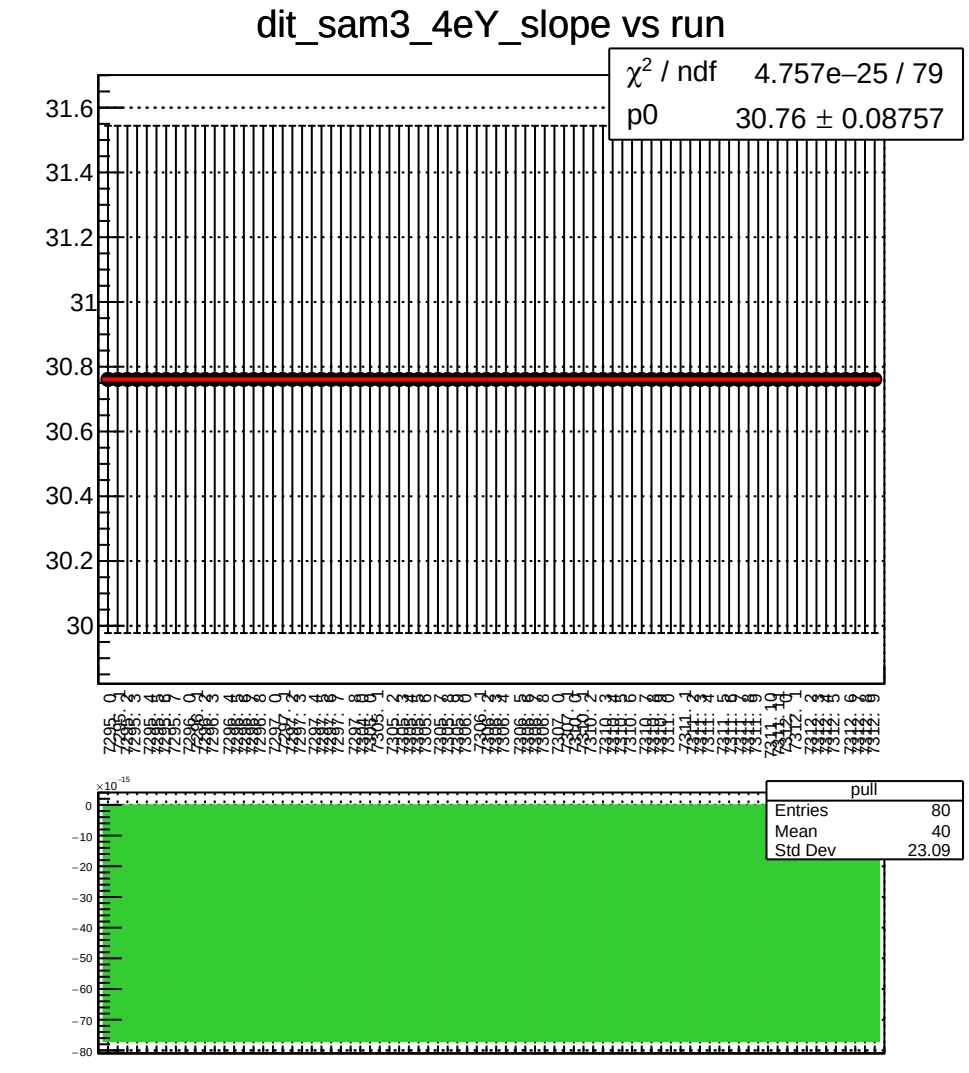

pull1D
Entries 80
Mean 0
Std Dev 0

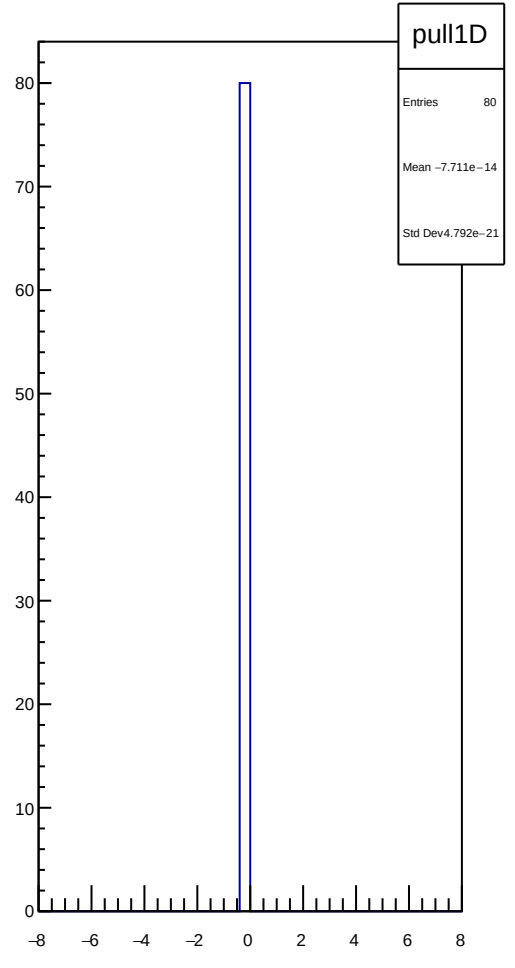

dit_sam3_11X12X_slope vs run
χ² / ndf 2.331e−27 / 79
p0 0.5518 ± 0.004599
pull
Entries 80
Mean 40
Std Dev 23.09

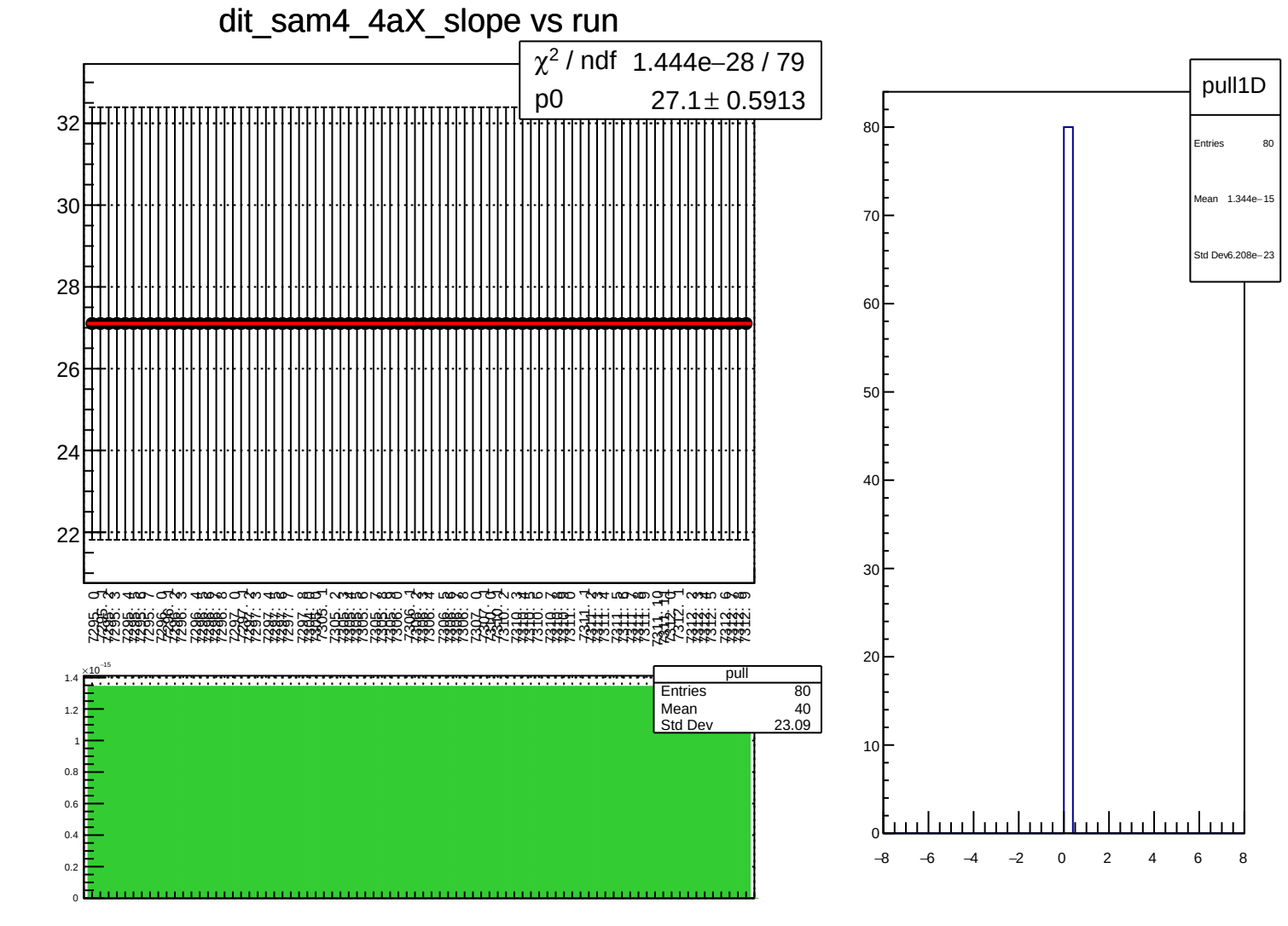

pull1D
Entries 80
Mean −5.398e−15
Std Dev 2.593e−22

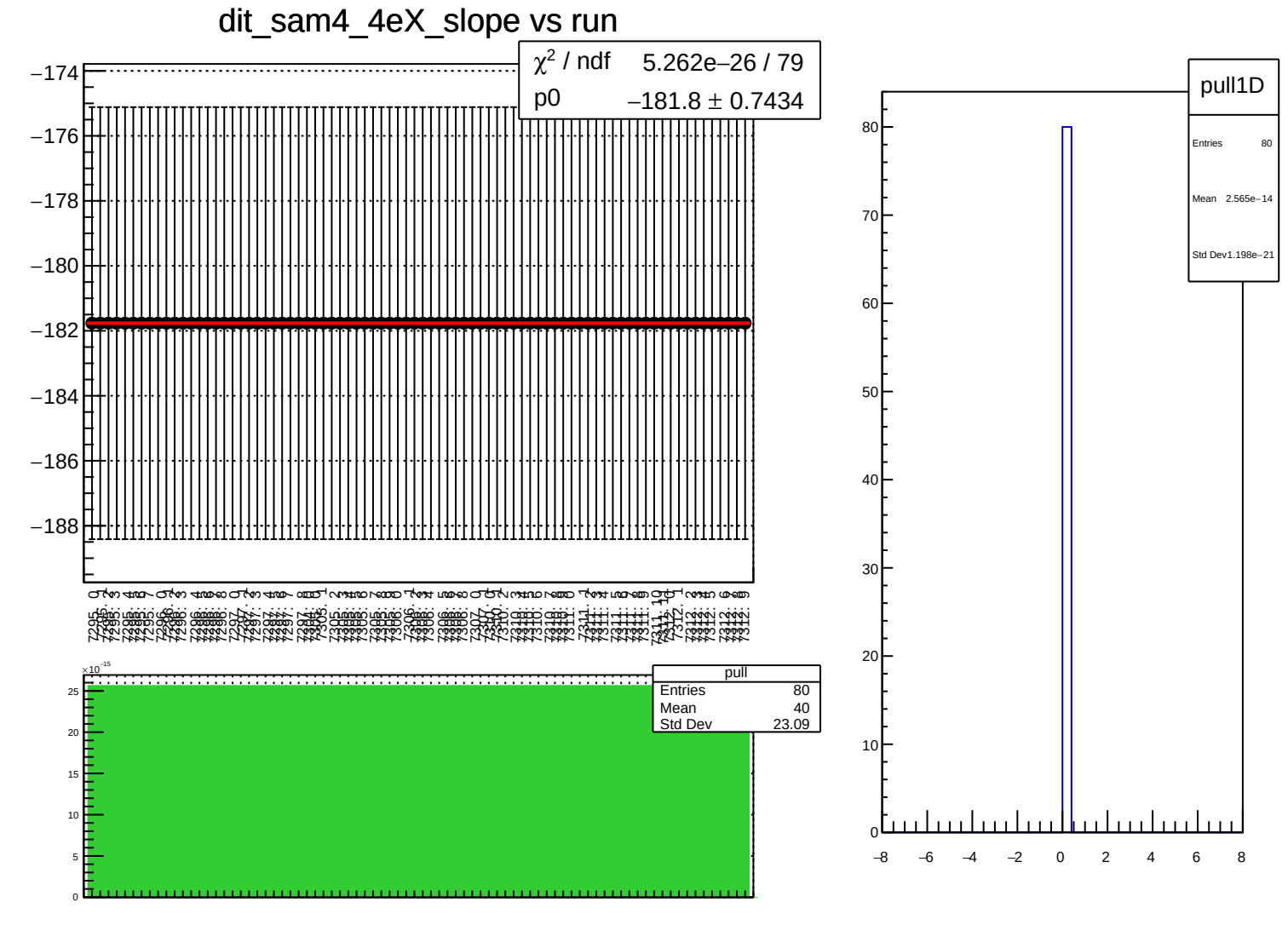

dit_sam3_4aY_slope vs run
χ² / ndf 2.189e−27 / 79
p0 −7.004 ± 0.03797
pull
Entries 80
Mean 40
Std Dev 23.09

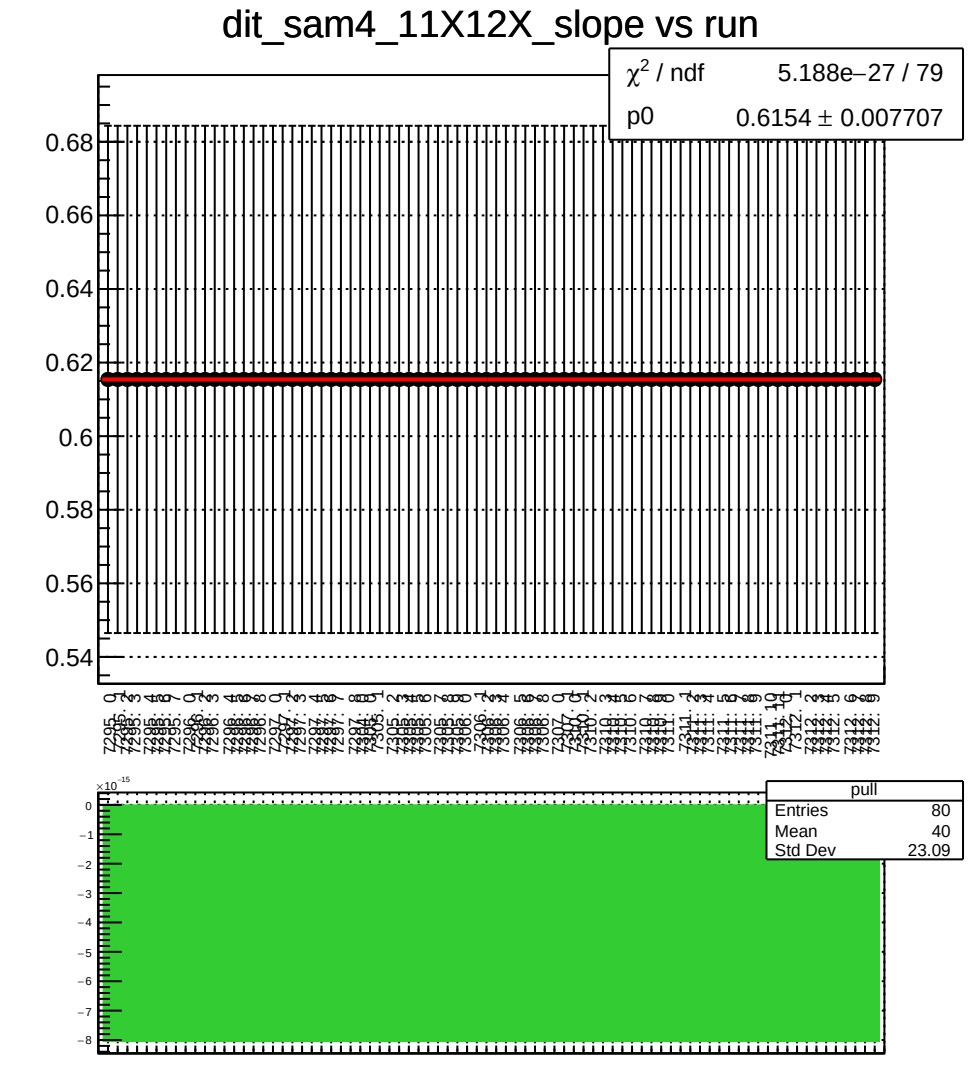

pull1D
Entries 80
Mean −5.23e−15
Std Dev 2.368e−22

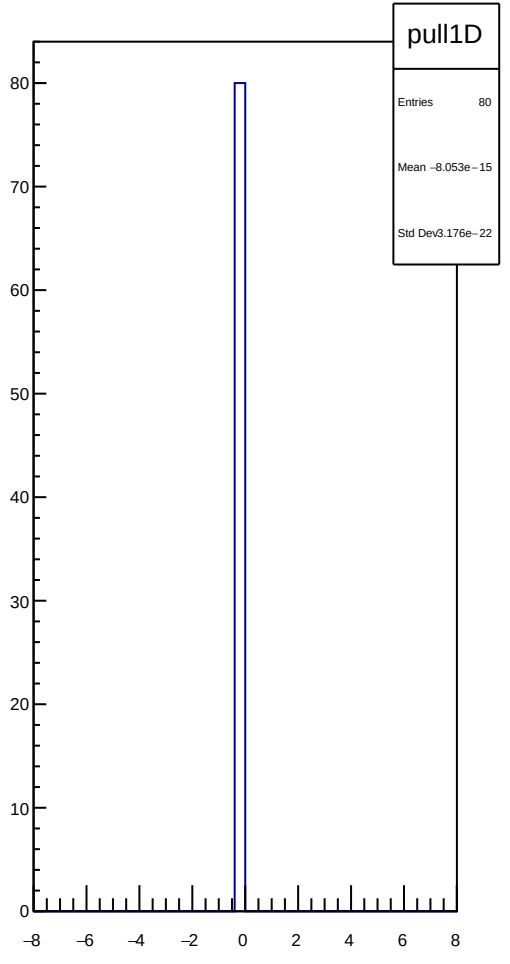

dit_sam3_4eY_slope vs run
χ² / ndf 4.757e−25 / 79
p0 30.76 ± 0.08757
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

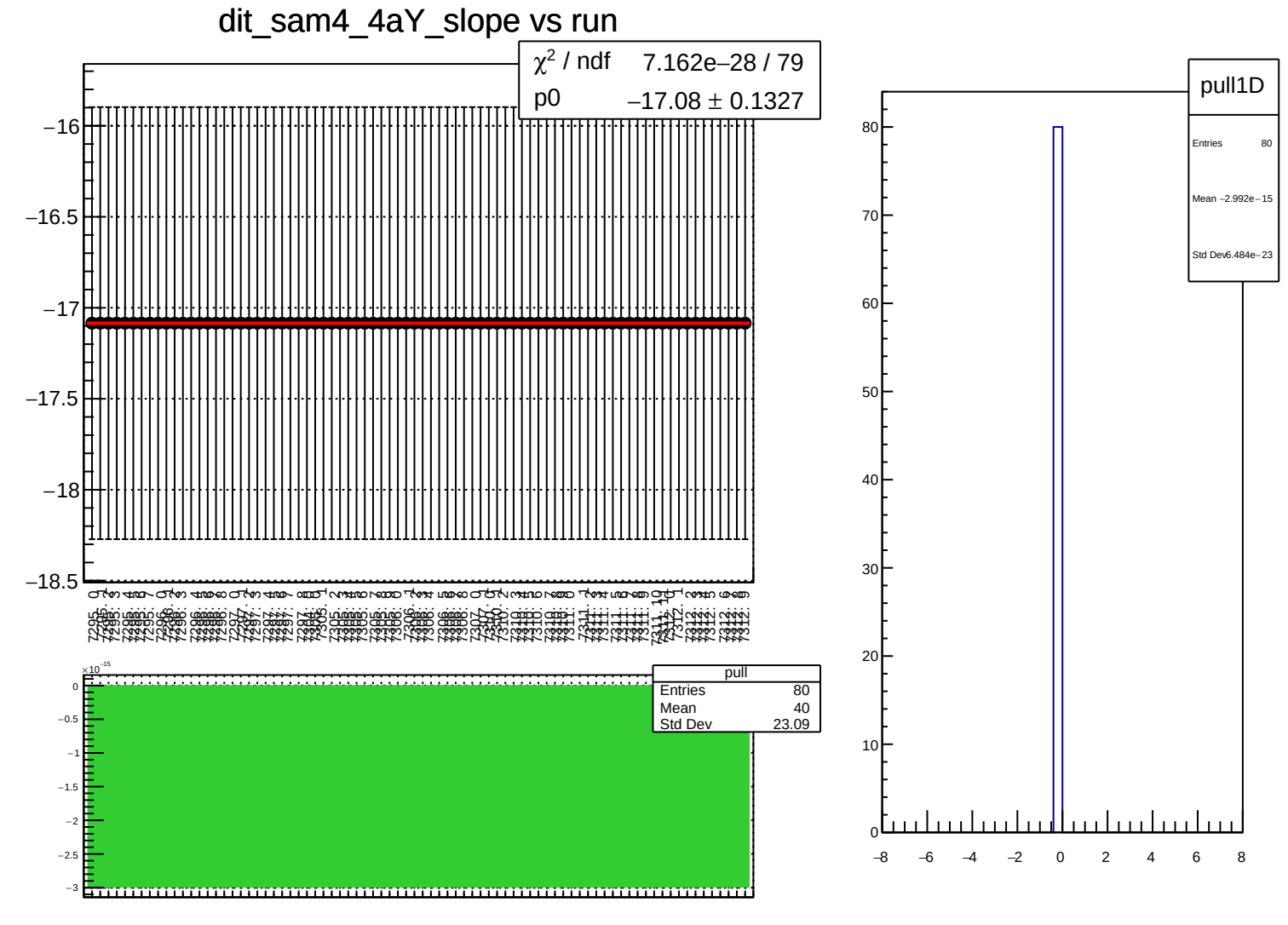

pull1D
Entries 80
Mean −7.711e−14
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

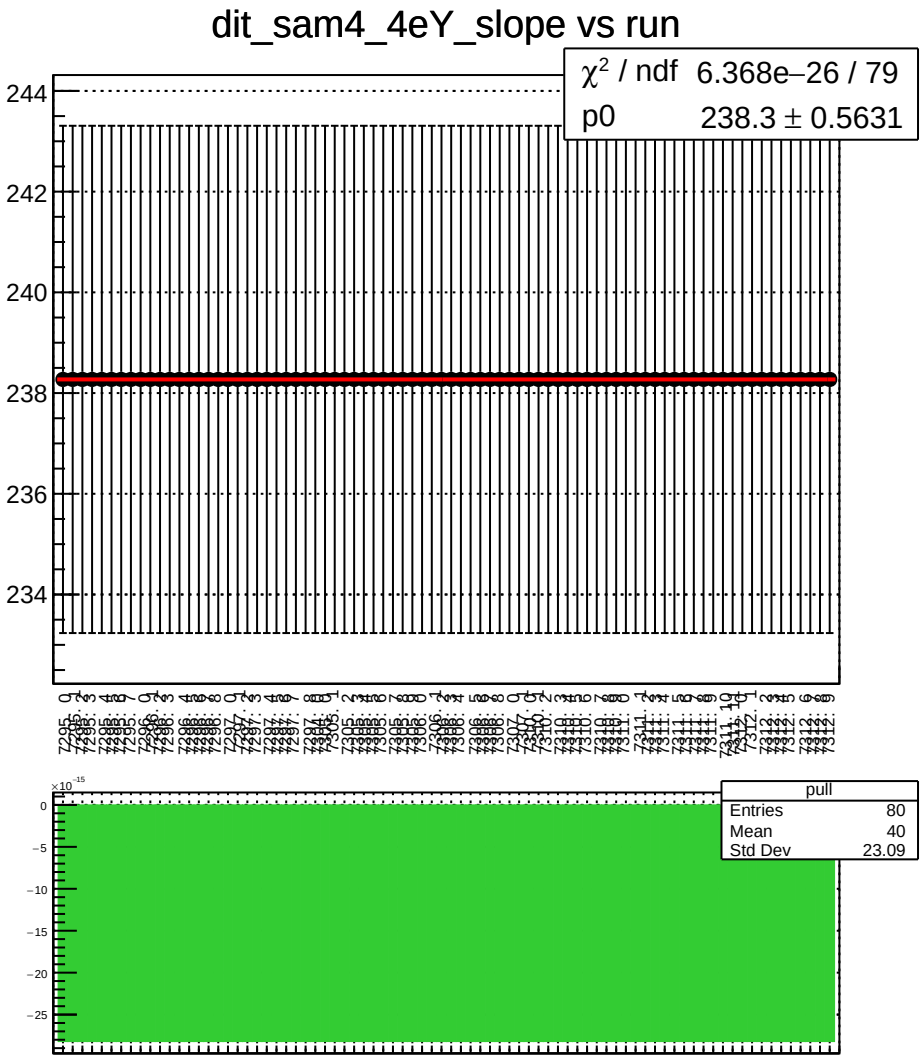

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.444e−28 / 79
p0 27.1 ± 0.5913
32
30
28
26
24
22
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 1.344e−15
Std Dev 6.208e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

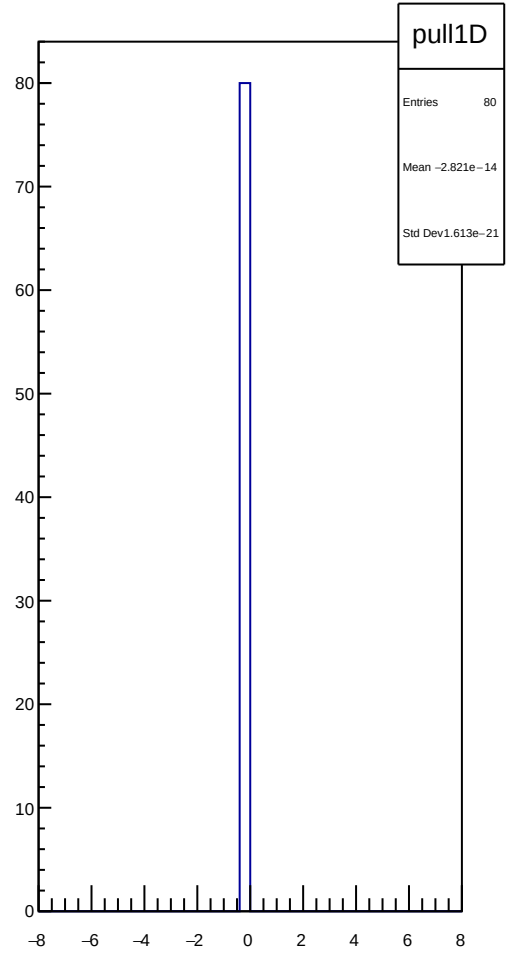

dit_sam4_4eX_slope vs run
χ² / ndf 5.262e−26 / 79
p0 −181.8 ± 0.7434
−174
−176
−178
−180
−182
−184
−186
−188
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 80
Mean 2.565e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

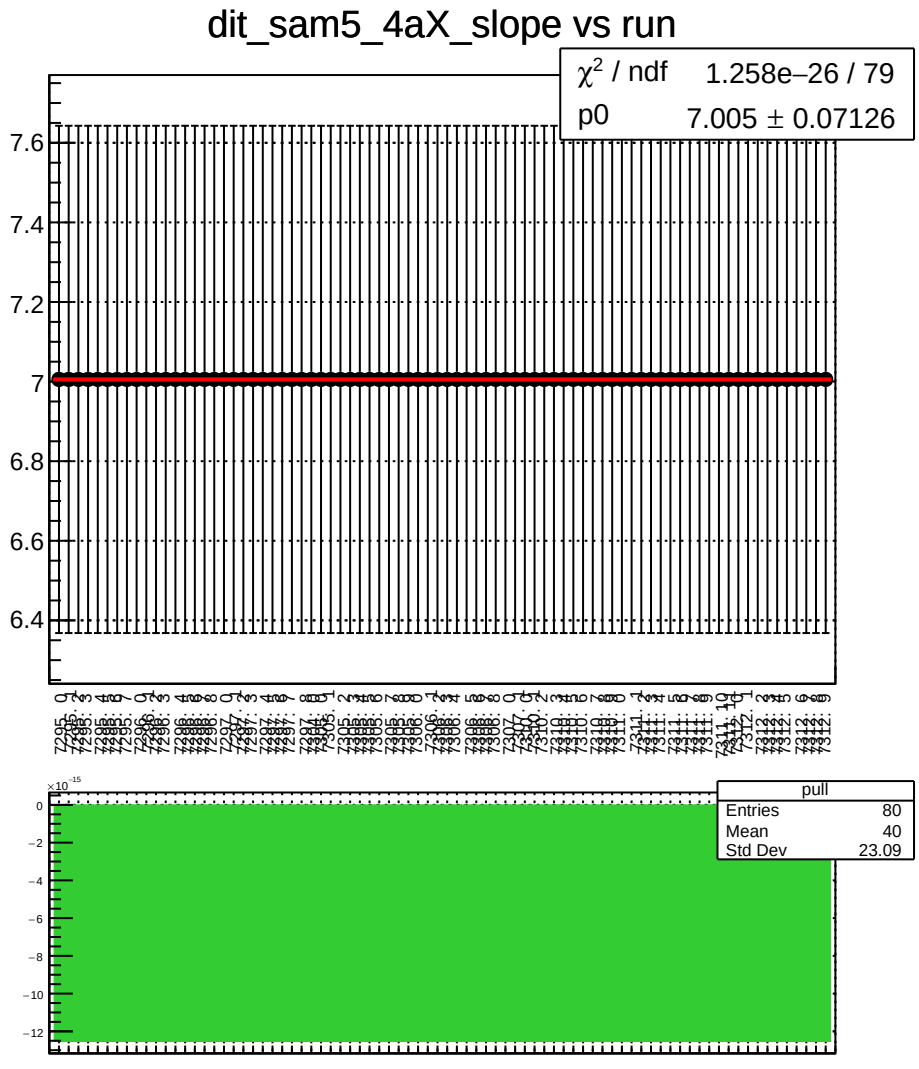

dit_sam4_11X12X_slope vs run
χ² / ndf 5.188e−27 / 79
p0 0.6154 ± 0.007707
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8

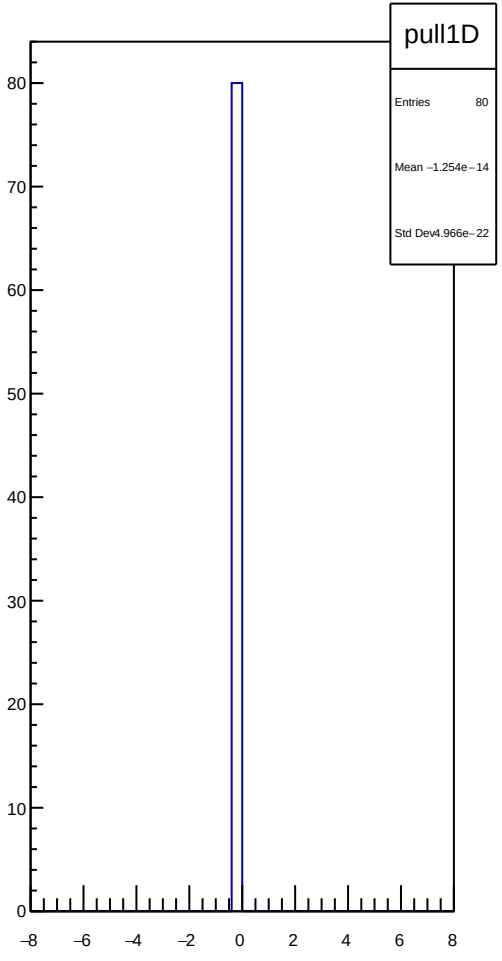

pull1D
Entries 80
Mean −8.053e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

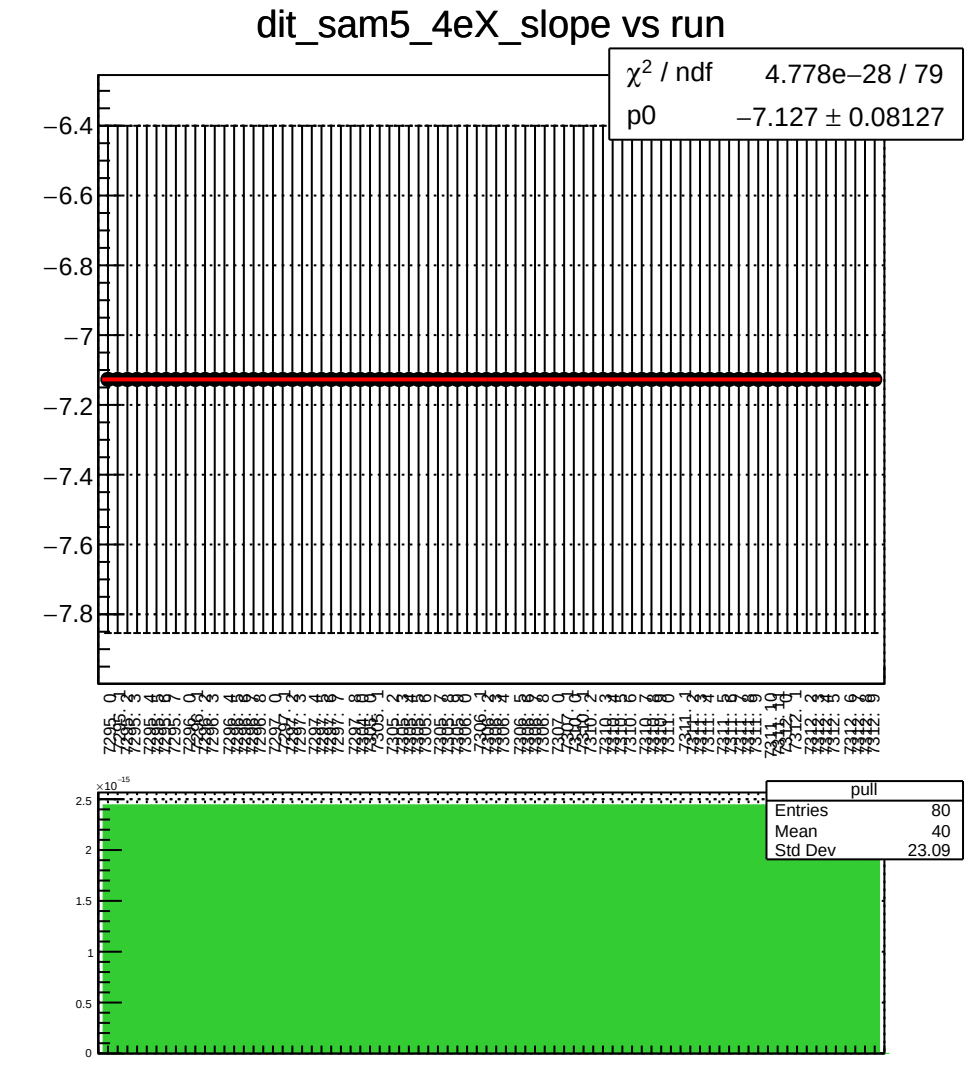

dit_sam4_4aY_slope vs run
χ² / ndf 7.162e−28 / 79
p0 −17.08 ± 0.1327
−16
−16.5
−17
−17.5
−18
−18.5
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.992e−15
Std Dev 6.484e−23

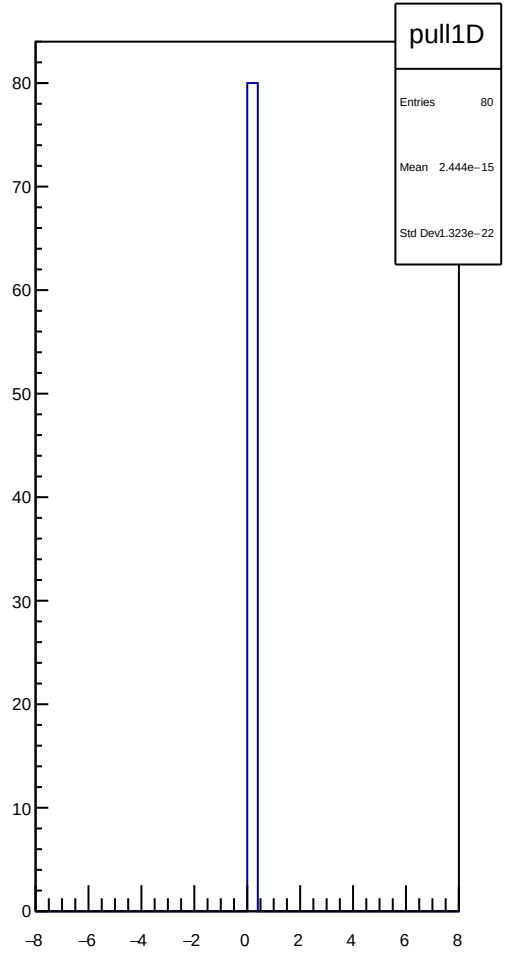

dit_sam4_4eY_slope vs run
χ^2 / ndf 6.368e−26 / 79
p0 238.3 ± 0.5631
244
242
240
238
236
234
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25

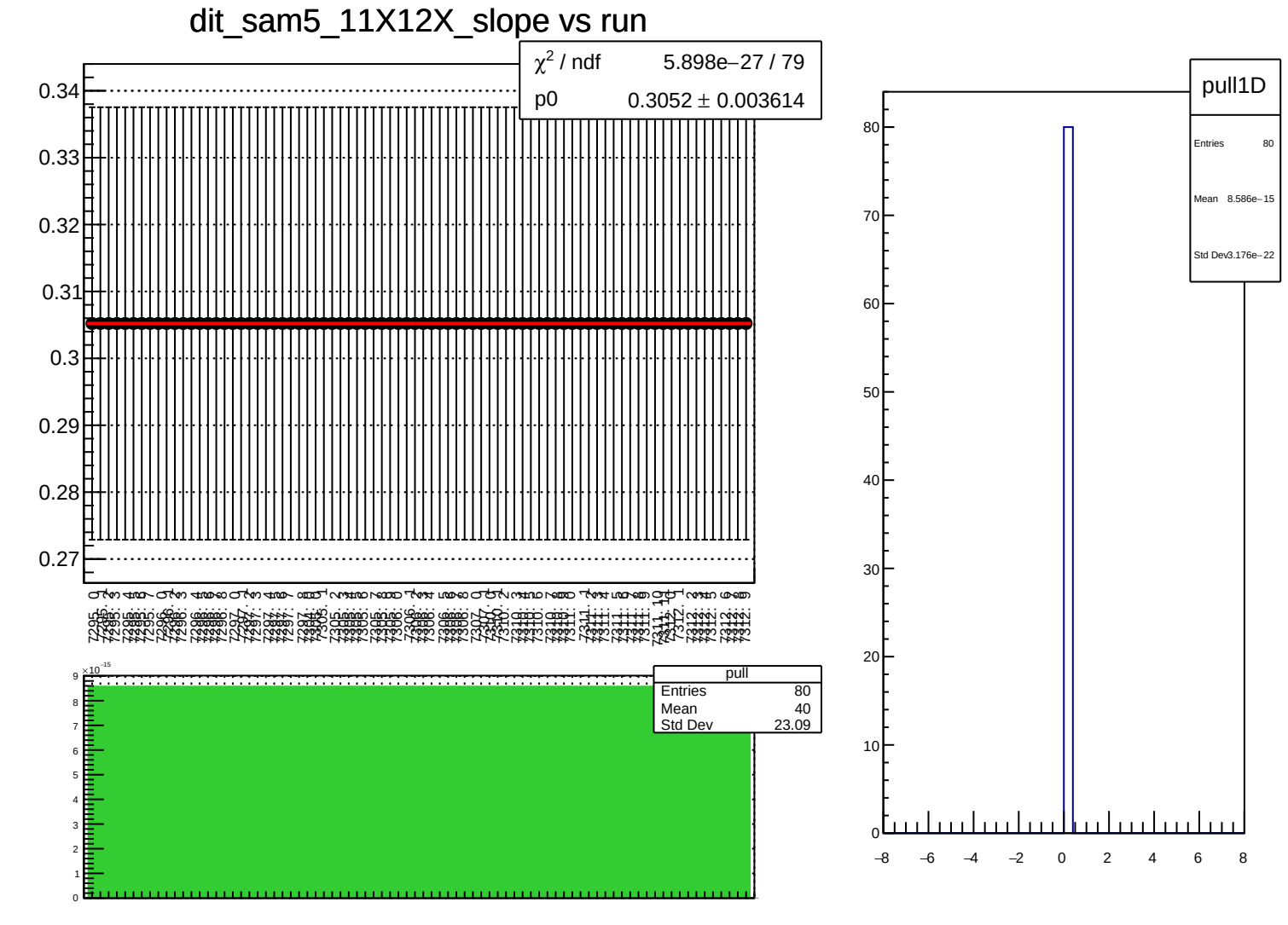

pull1D
Entries 80
Mean −2.821e−14
Std Dev1.613e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

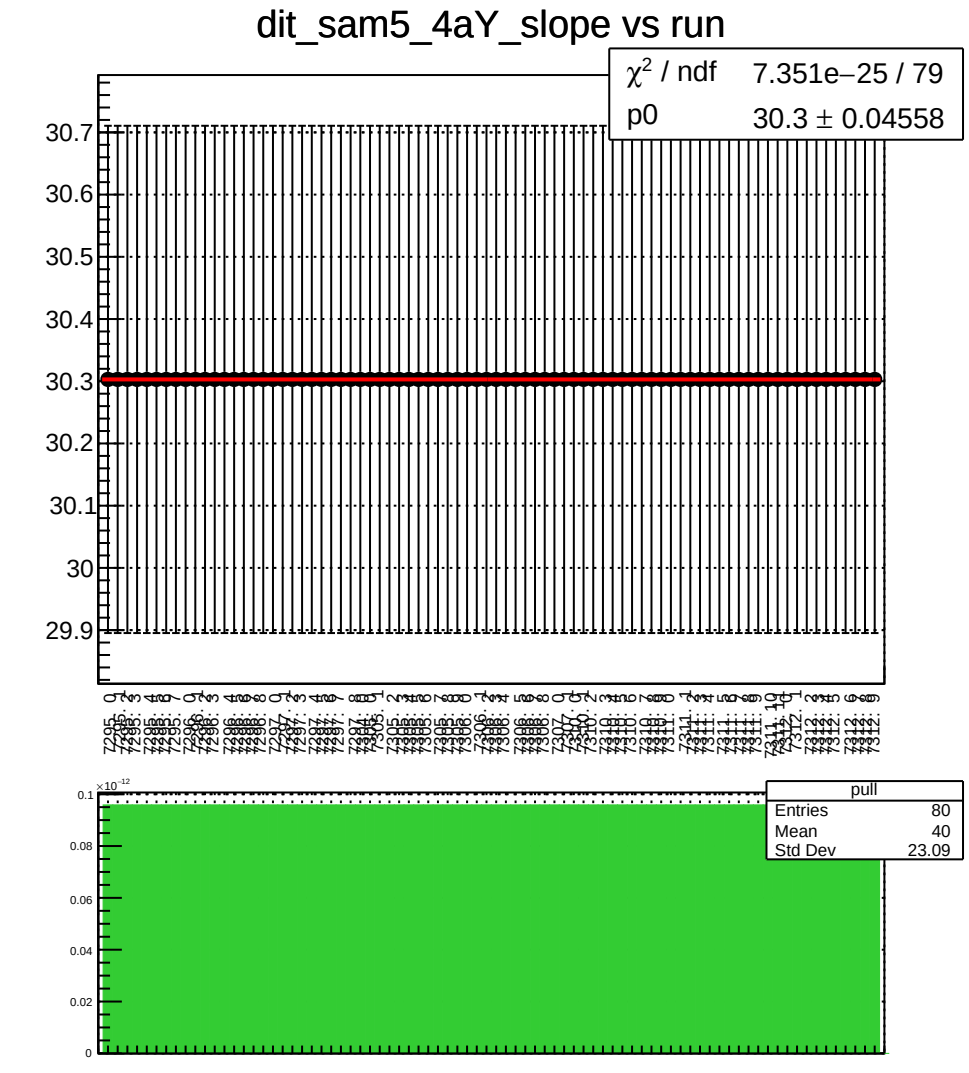

dit_sam5_4aX_slope vs run
χ² / ndf 1.258e−26 / 79
p0 7.005 ± 0.07126
pull
Entries 80
Mean 40
Std Dev 23.09

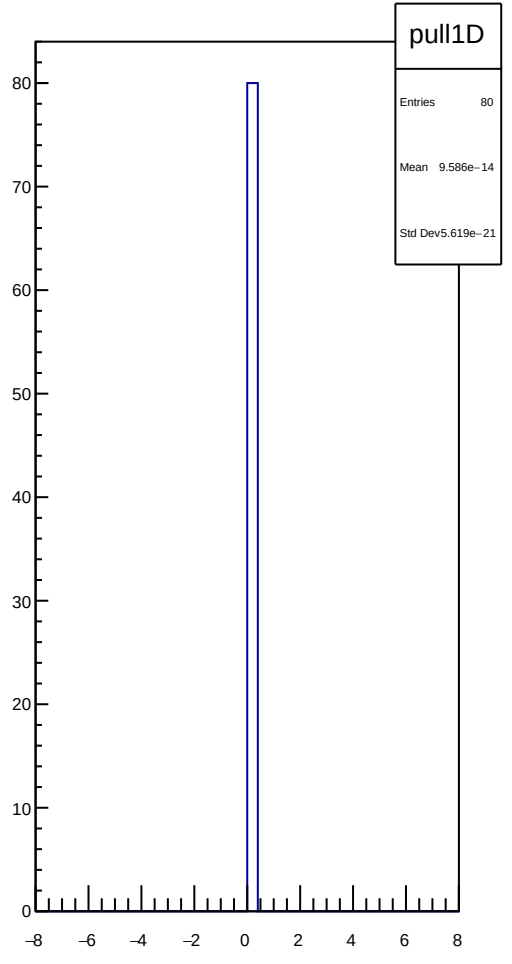

pull1D
Entries 80
Mean −1.254e−14
Std Dev4.966e−22

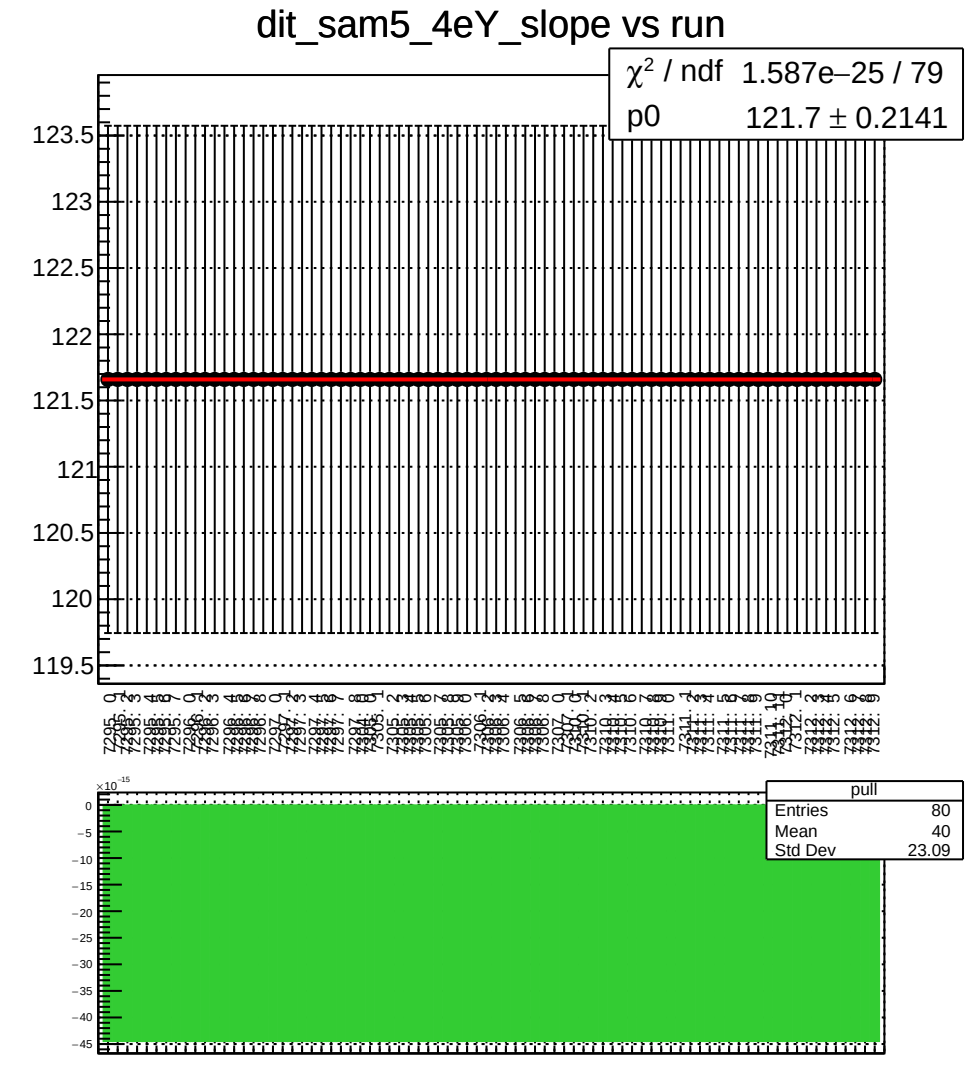

dit_sam5_4eX_slope vs run
χ² / ndf 4.778e−28 / 79
p0 −7.127 ± 0.08127
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

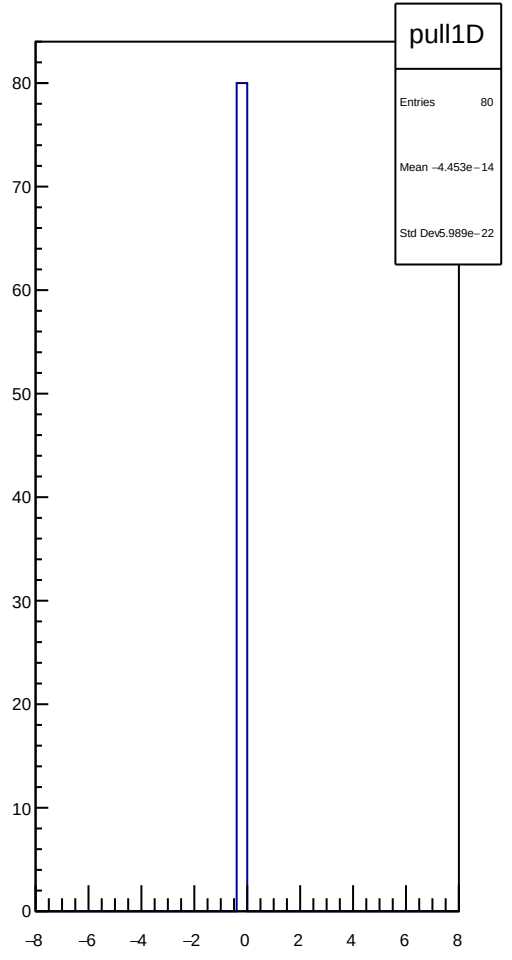

pull1D
Entries 80
Mean 2.444e−15
Std Dev1.323e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

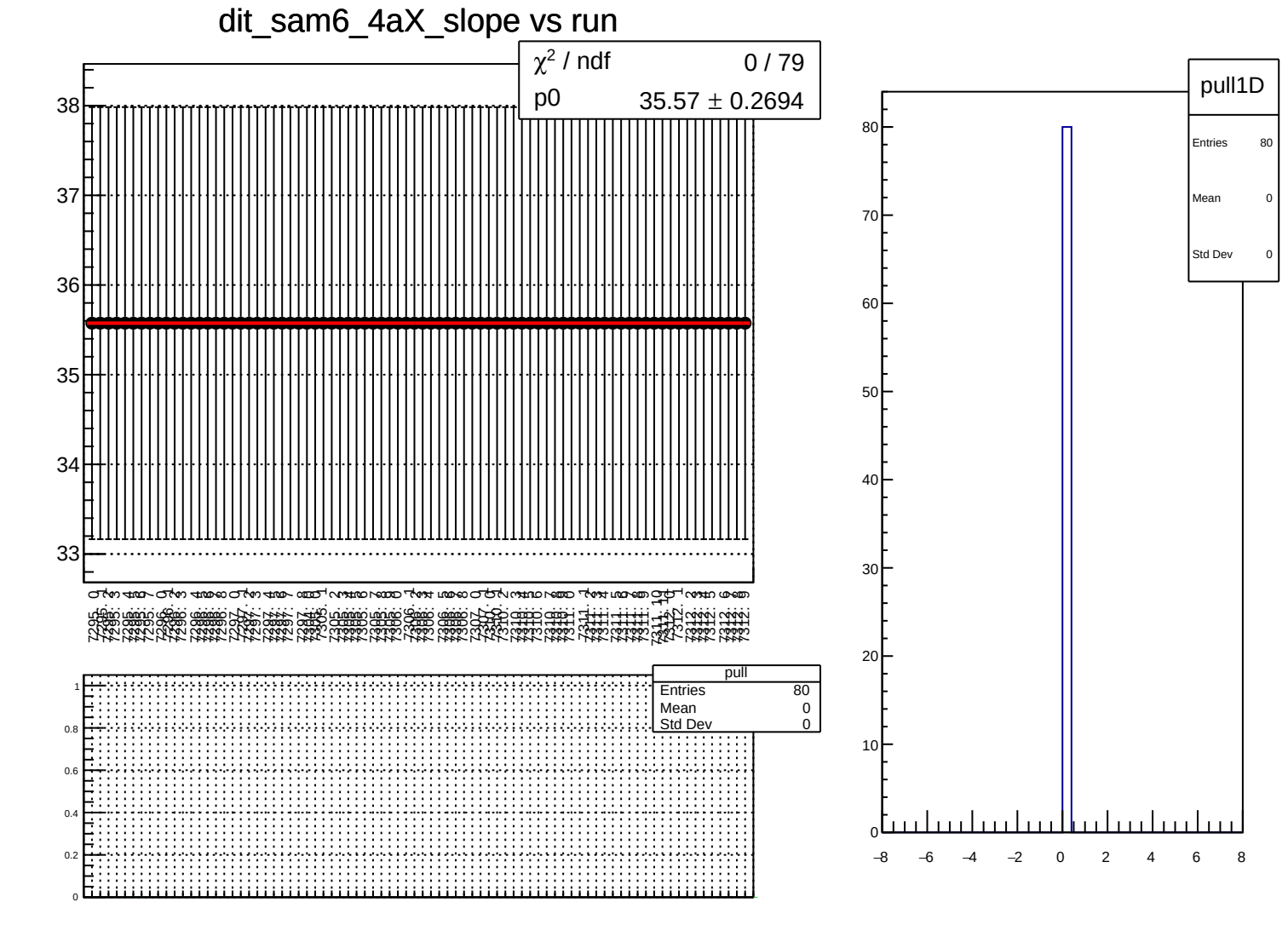

dit_sam5_11X12X_slope vs run
χ² / ndf 5.898e−27 / 79
p0 0.3052 ± 0.003614
0.34
0.33
0.32
0.31
0.3
0.29
0.28
0.27
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 8.586e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

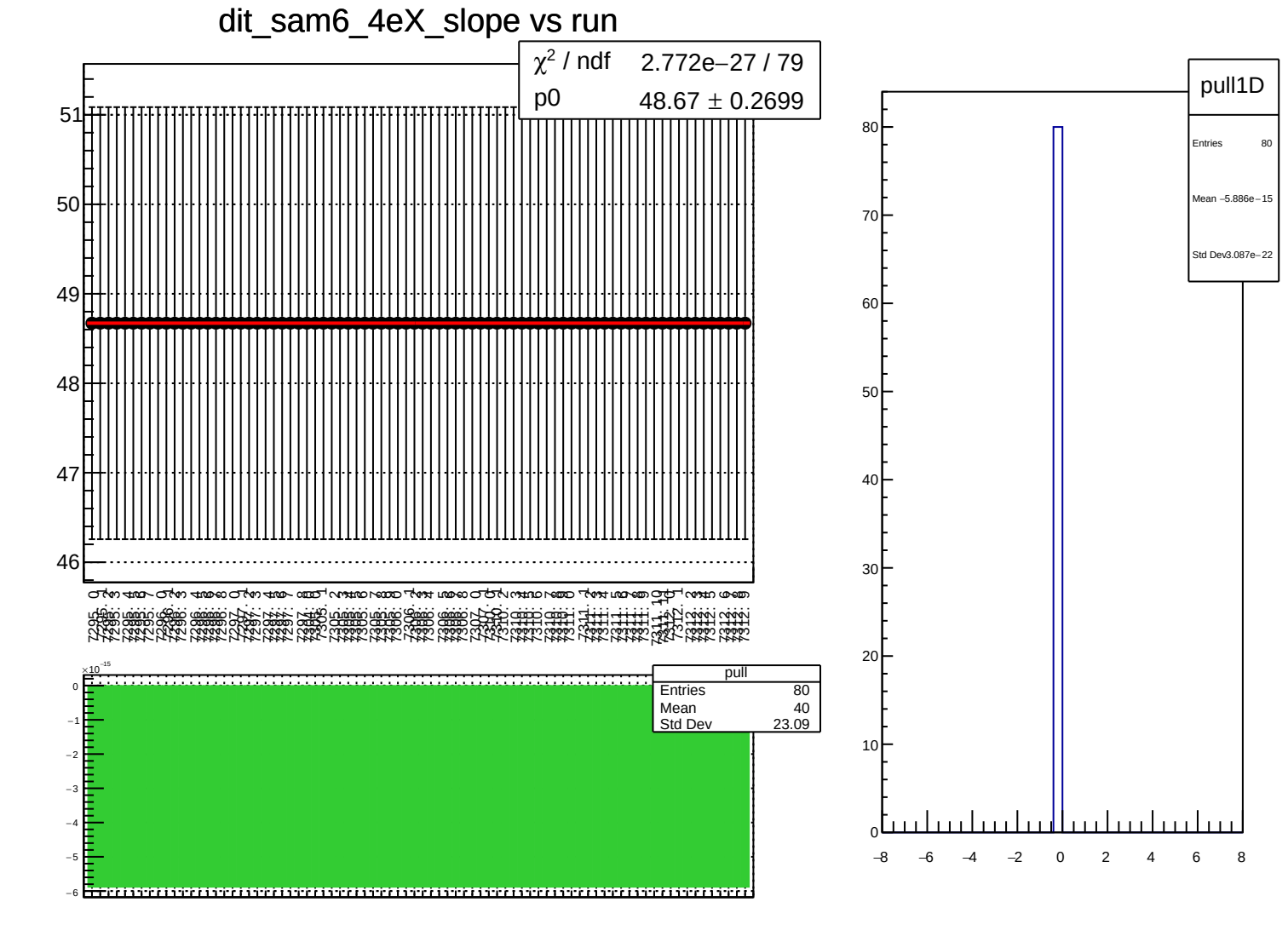

dit_sam5_4aY_slope vs run
χ^2 / ndf 7.351e−25 / 79
p0 30.3 ± 0.04558
30.7
30.6
30.5
30.4
30.3
30.2
30.1
30
29.9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

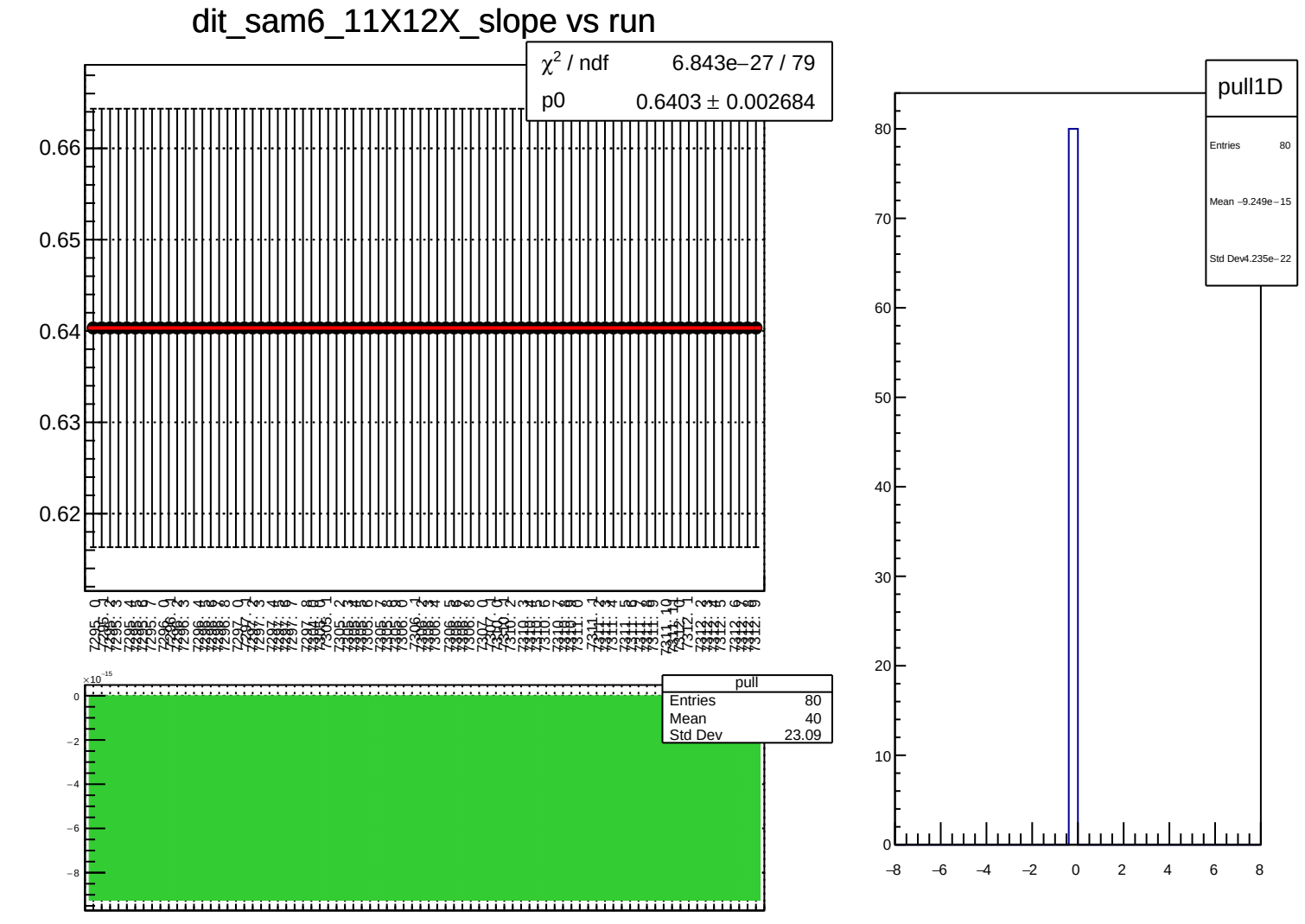

pull1D
Entries 80
Mean 9.586e−14
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

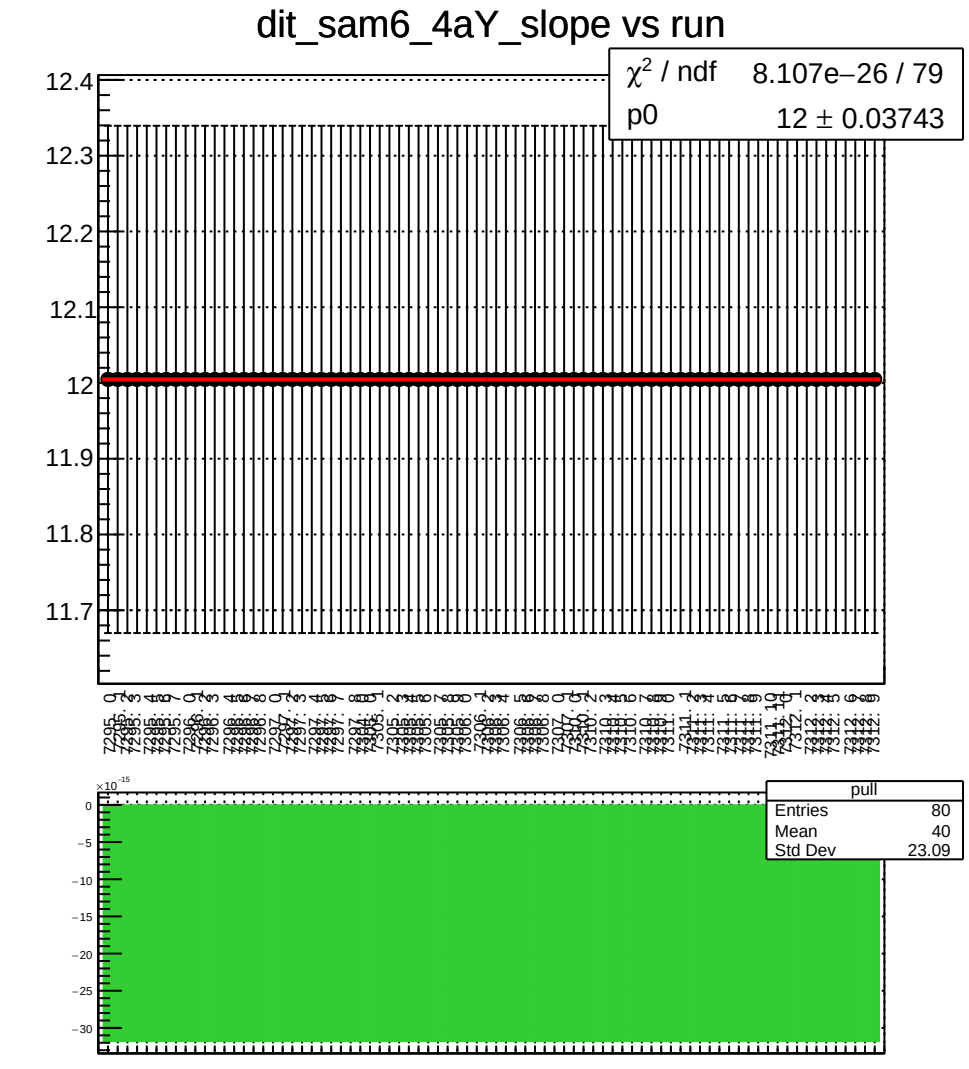

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.587e−25 / 79
p0 121.7 ± 0.2141
123.5
123
122.5
122
121.5
121
120.5
120
119.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

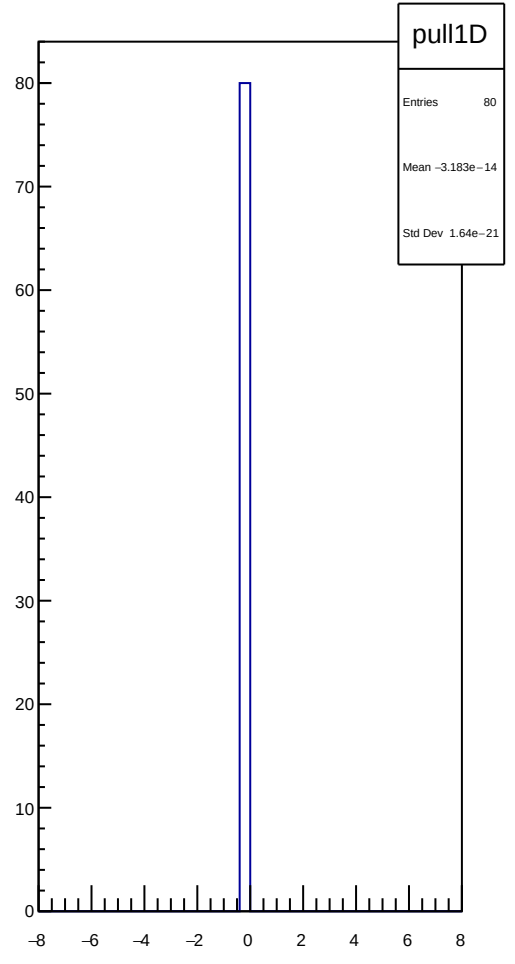

pull1D
Entries 80
Mean −4.453e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

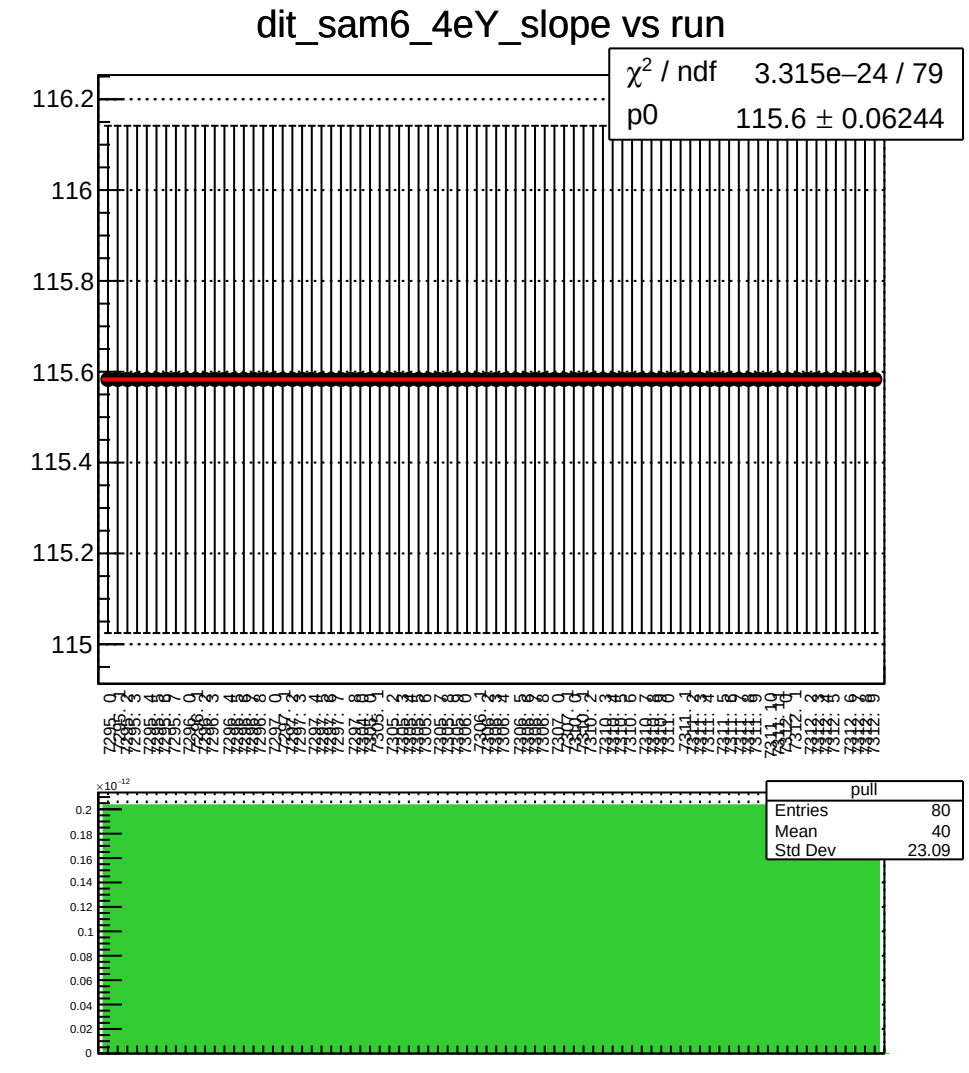

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 79
p0 35.57 ± 0.2694
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

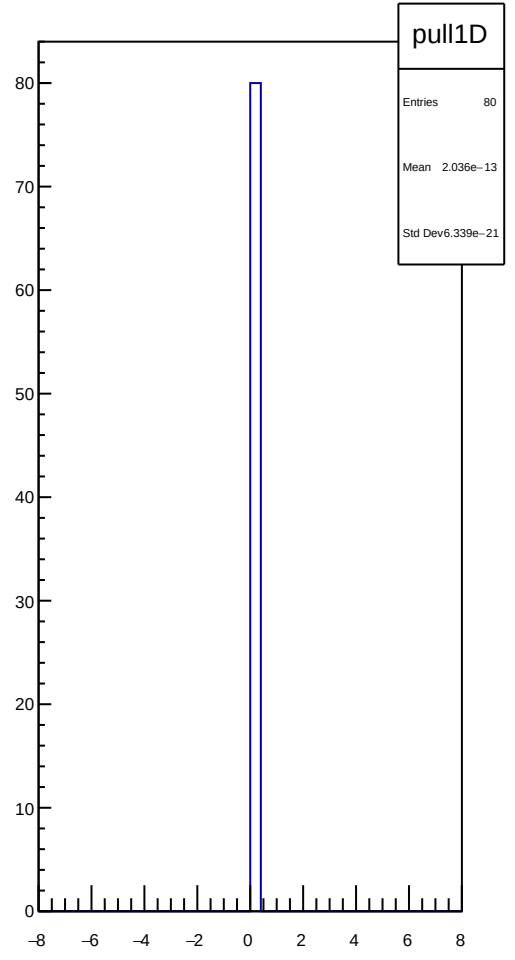

dit_sam6_4eX_slope vs run
χ² / ndf 2.772e−27 / 79
p0 48.67 ± 0.2699
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.886e−15
Std Dev3.087e−22

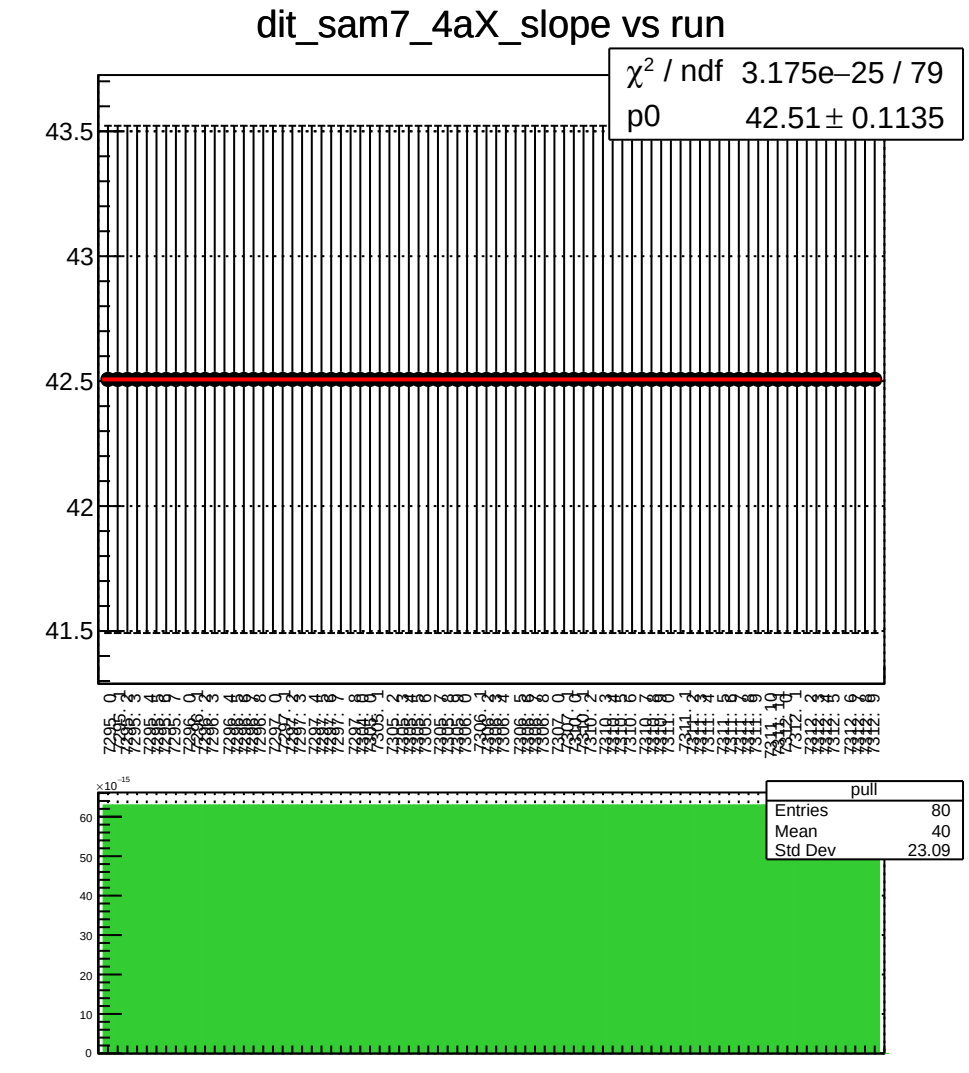

dit_sam6_11X12X_slope vs run
χ² / ndf 6.843e−27 / 79
p0 0.6403 ± 0.002684
0.66
0.65
0.64
0.63
0.62
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
pull1D
Entries 80
Mean −9.249e−15
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

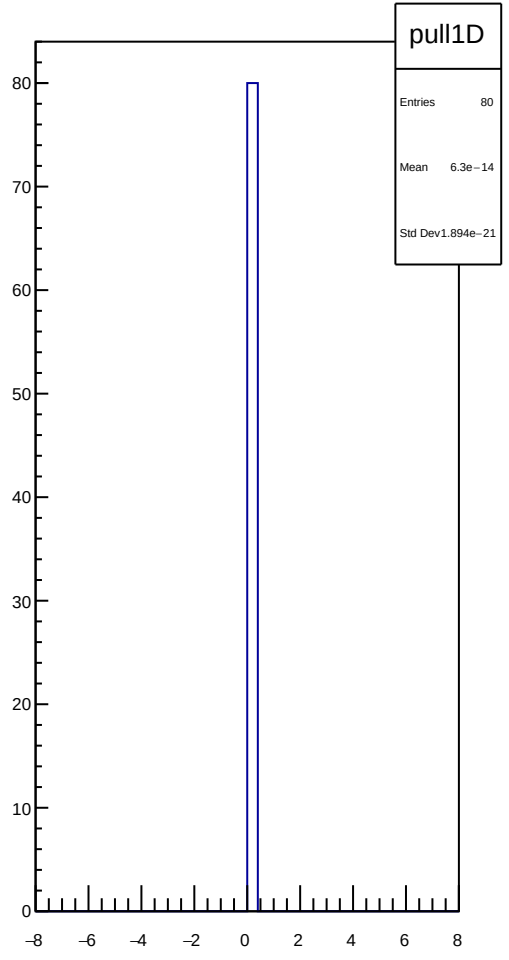

dit_sam6_4aY_slope vs run
χ² / ndf 8.107e−26 / 79
p0 12 ± 0.03743
12.4
12.3
12.2
12.1
12
11.9
11.8
11.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

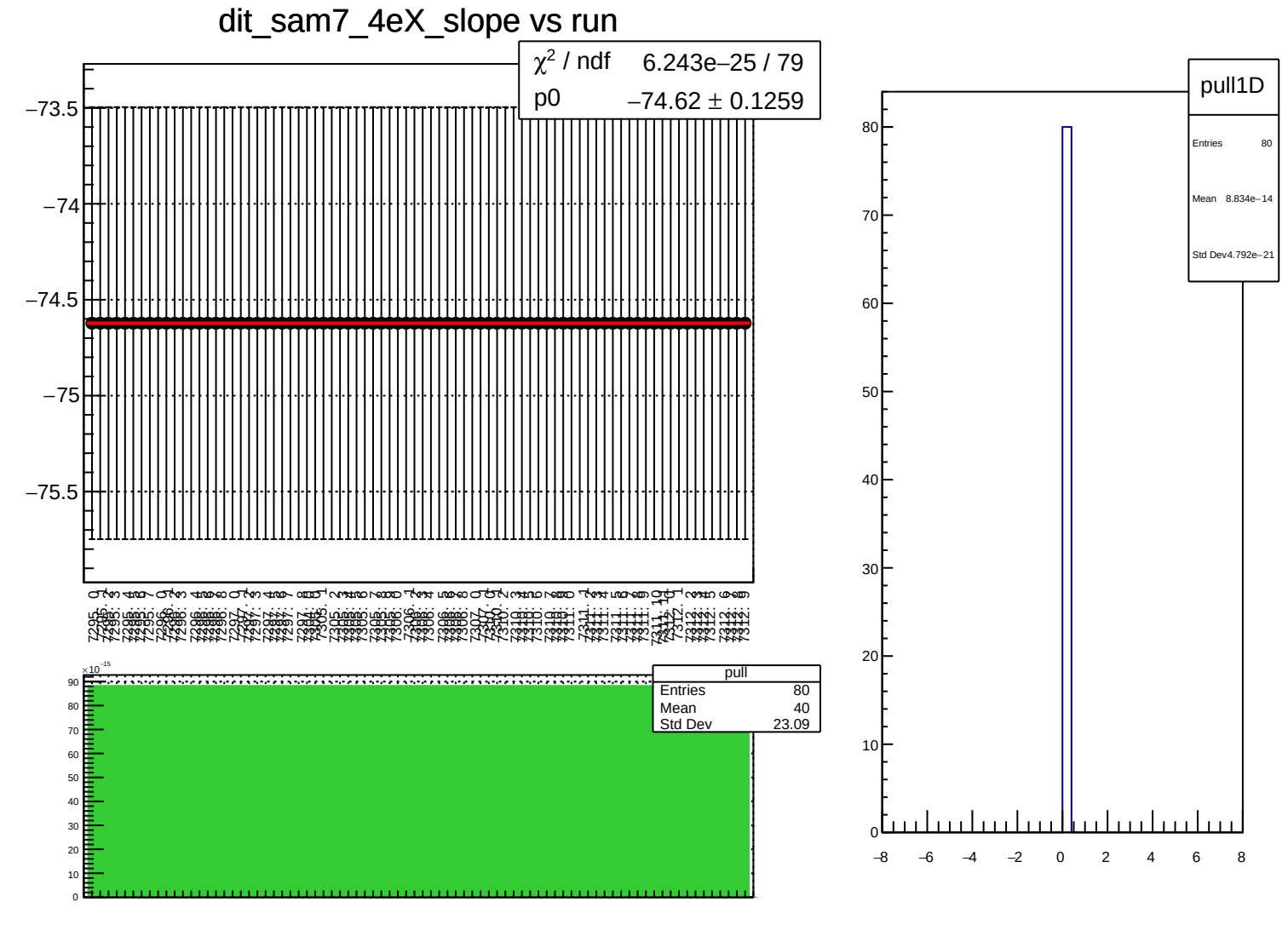

pull1D
Entries 80
Mean −3.183e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

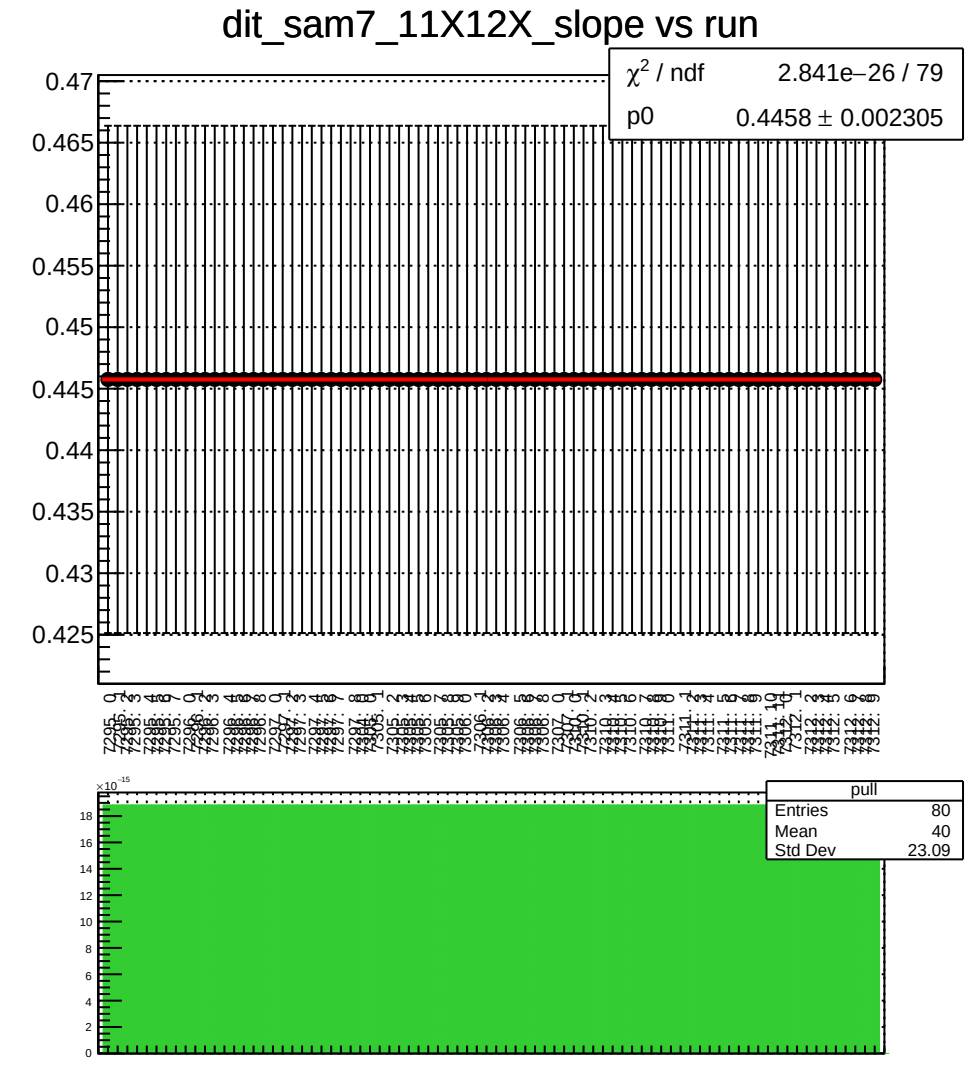

dit_sam6_4eY_slope vs run
χ^2 / ndf 3.315e−24 / 79
p0 115.6 ± 0.06244
116.2
116
115.8
115.6
115.4
115.2
115
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

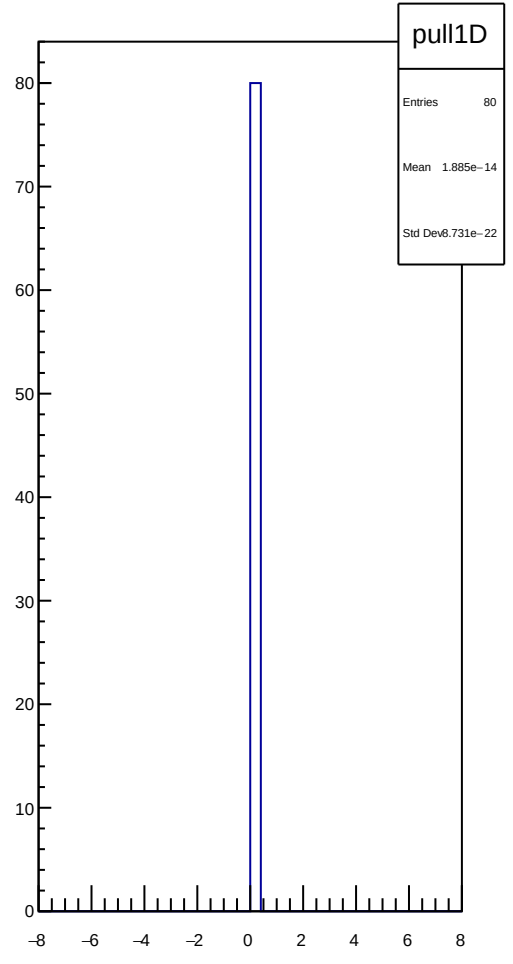

pull1D
Entries 80
Mean 2.036e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

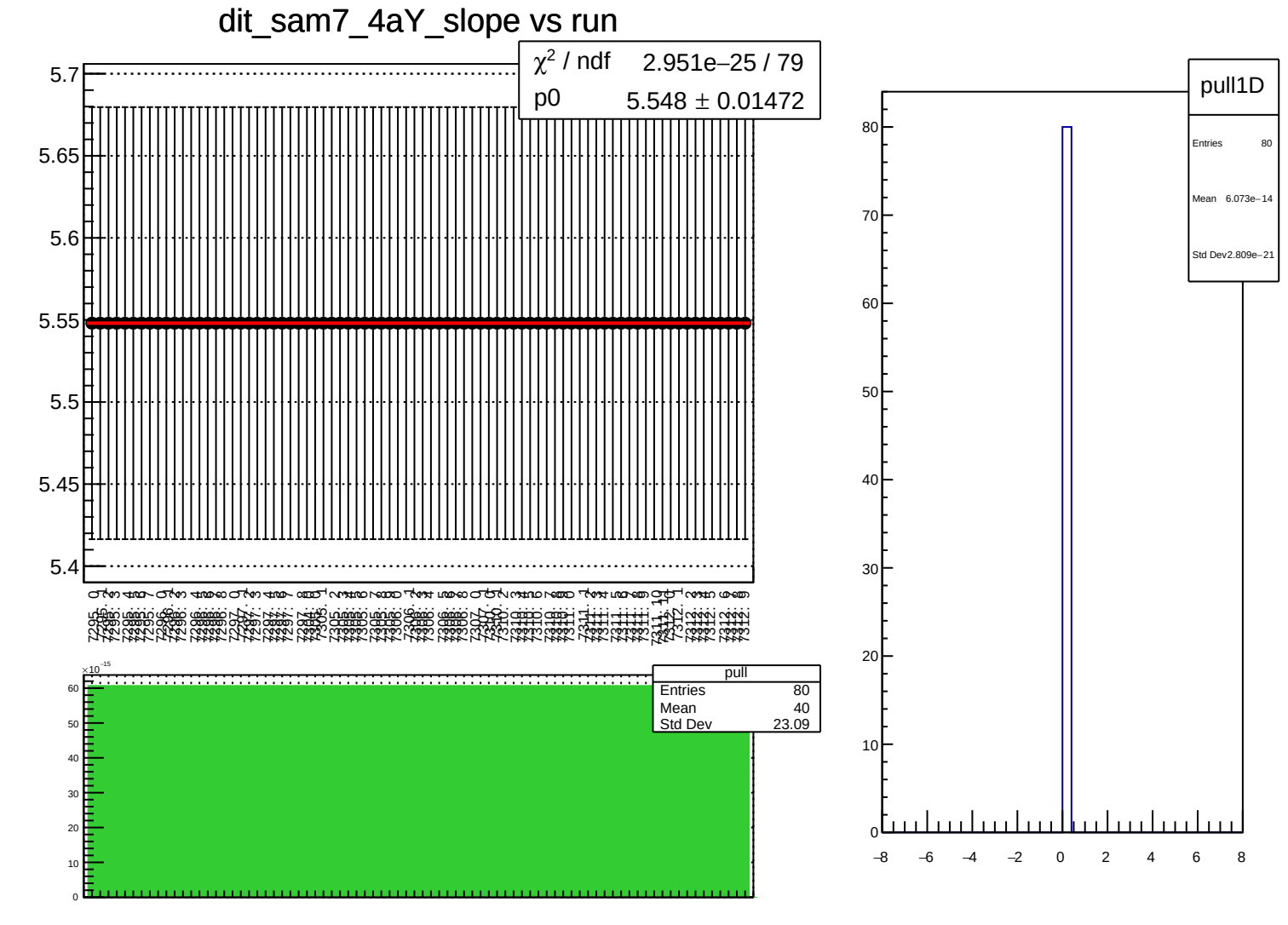

dit_sam7_4aX_slope vs run
χ^2 / ndf 3.175e−25 / 79
p0 42.51 ± 0.1135
43.5
43
42.5
42
41.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

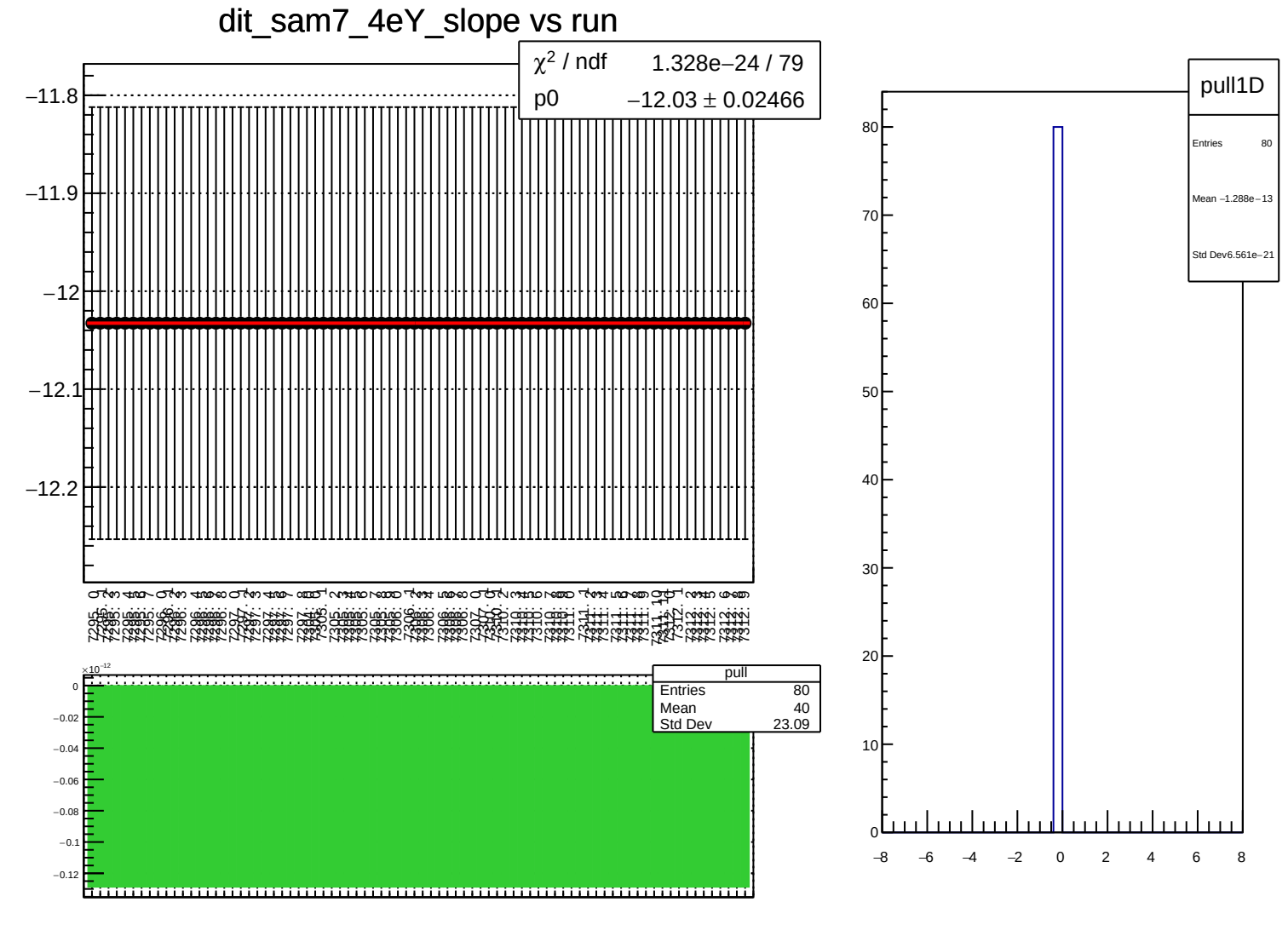

pull1D
Entries 80
Mean 6.3e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

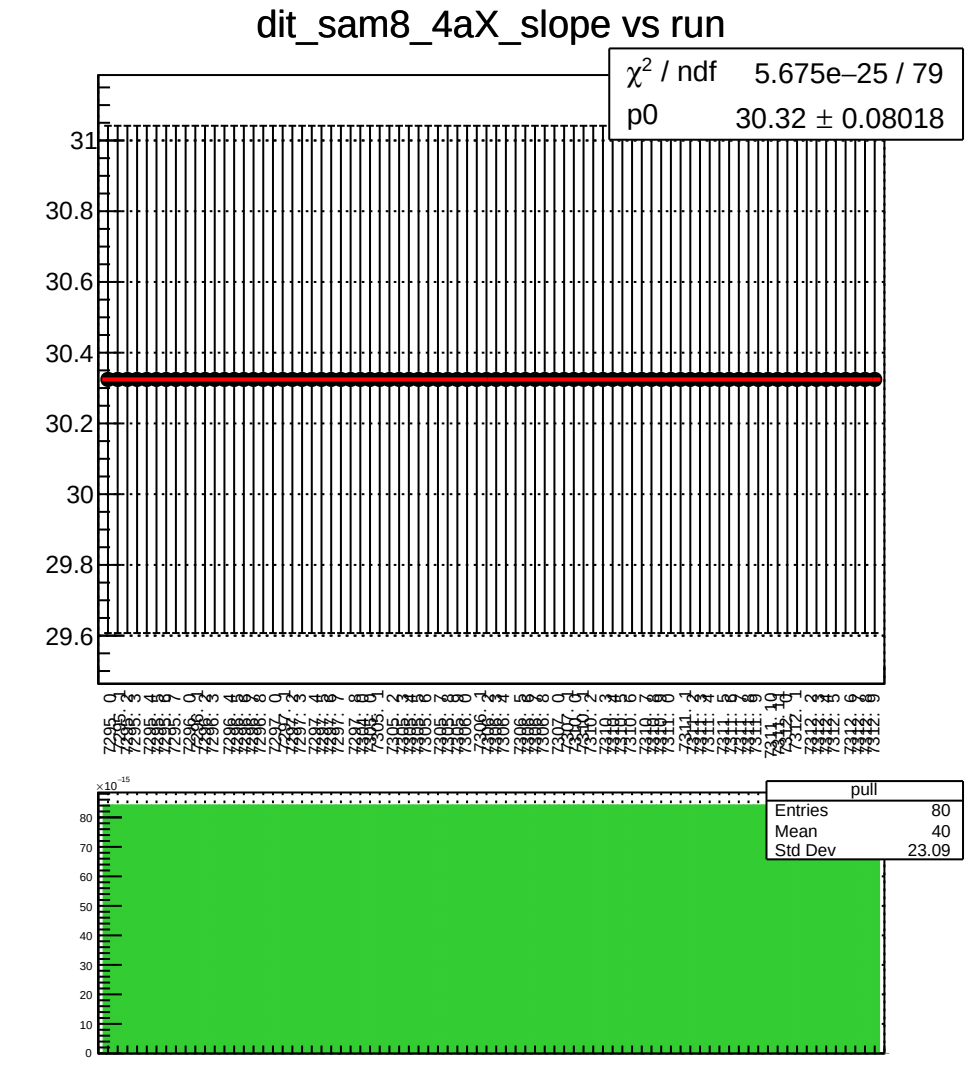

dit_sam7_4eX_slope vs run
χ² / ndf 6.243e−25 / 79
p0 −74.62 ± 0.1259
−73.5
−74
−74.5
−75
−75.5
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.834e−14
Std Dev 4.792e−21

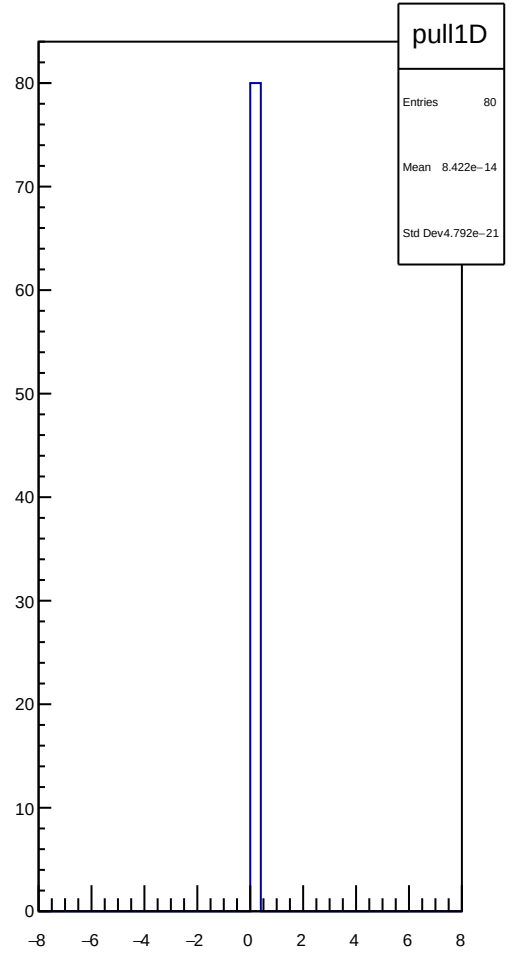

dit_sam7_11X12X_slope vs run
χ² / ndf 2.841e−26 / 79
p0 0.4458 ± 0.002305
pull
Entries 80
Mean 40
Std Dev 23.09

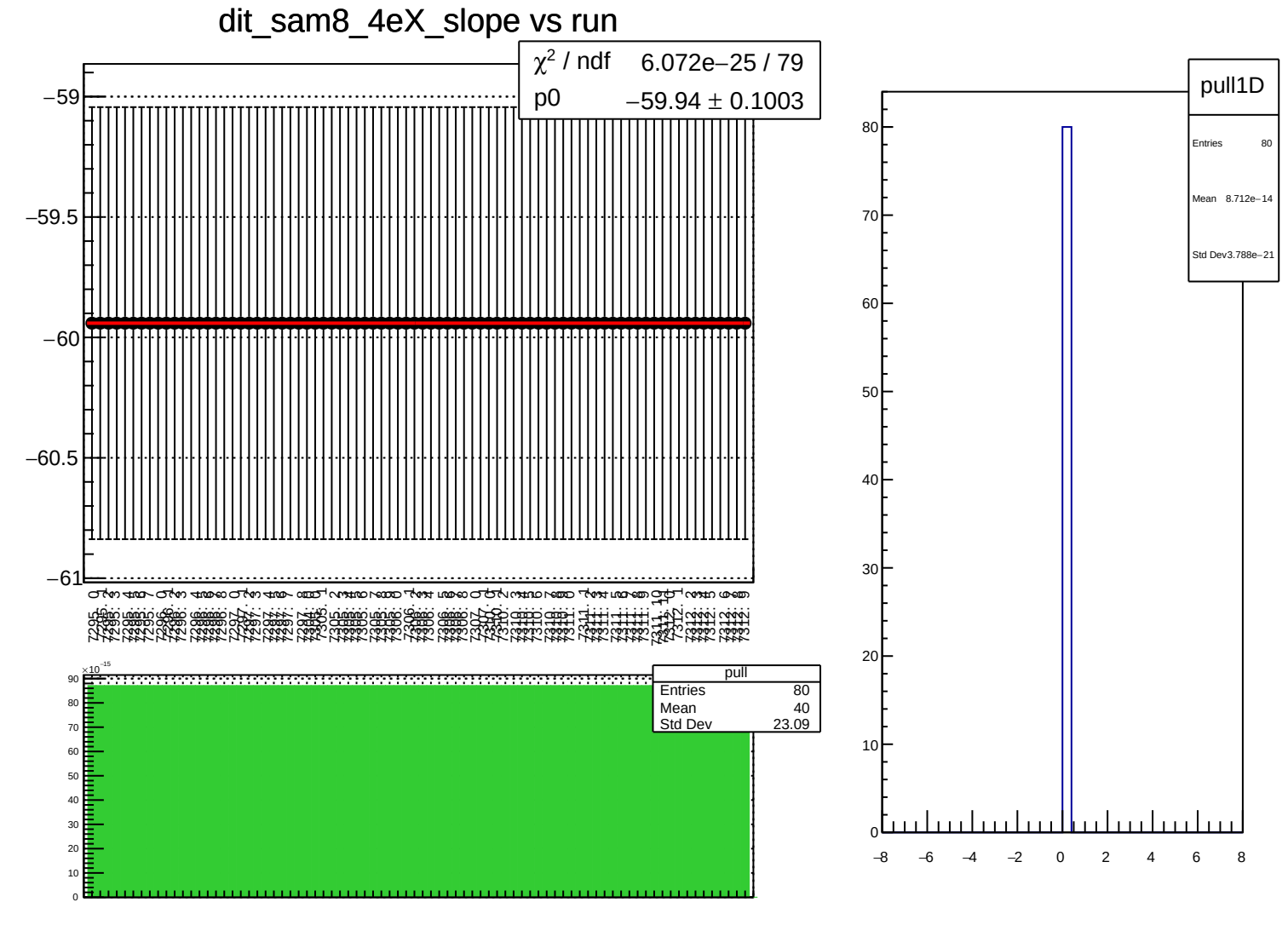

pull1D
Entries 80
Mean 1.885e−14
Std Dev 8.731e−22

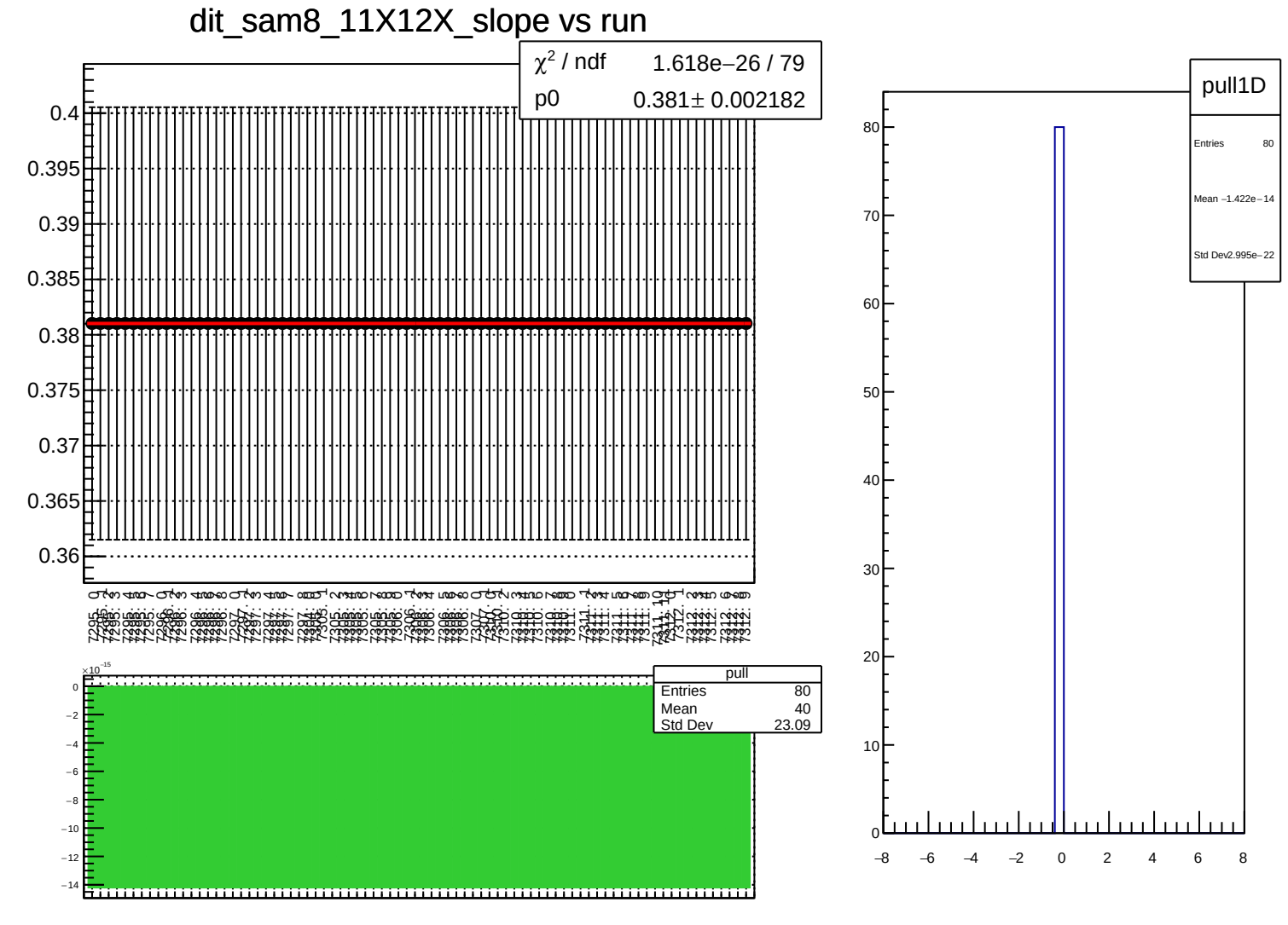

dit_sam7_4aY_slope vs run
χ² / ndf 2.951e−25 / 79
p0 5.548 ± 0.01472
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.073e−14
Std Dev 2.809e−21

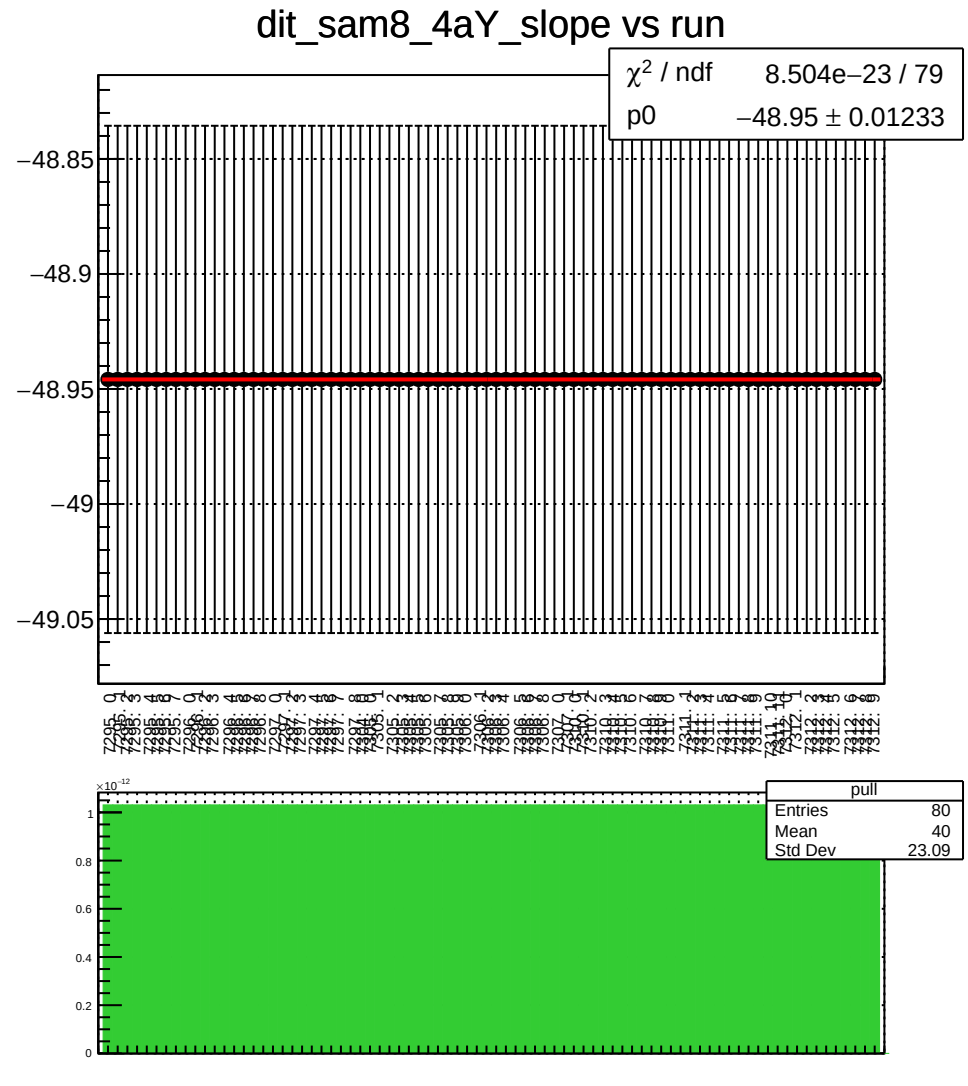

dit_sam7_4eY_slope vs run
χ² / ndf 1.328e−24 / 79
p0 −12.03 ± 0.02466
−11.8
−11.9
−12
−12.1
−12.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.288e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

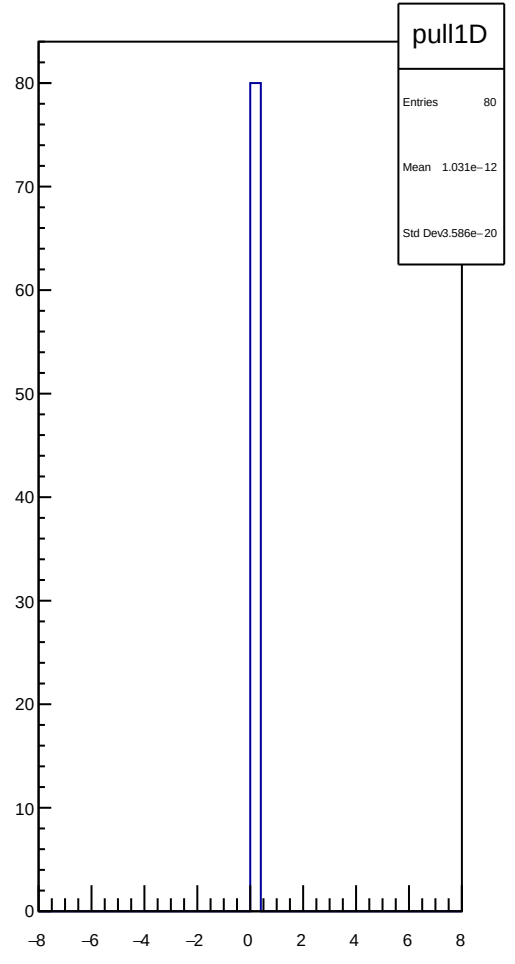

dit_sam8_4aX_slope vs run
χ² / ndf 5.675e−25 / 79
p0 30.32 ± 0.08018
31
30.8
30.6
30.4
30.2
30
29.8
29.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

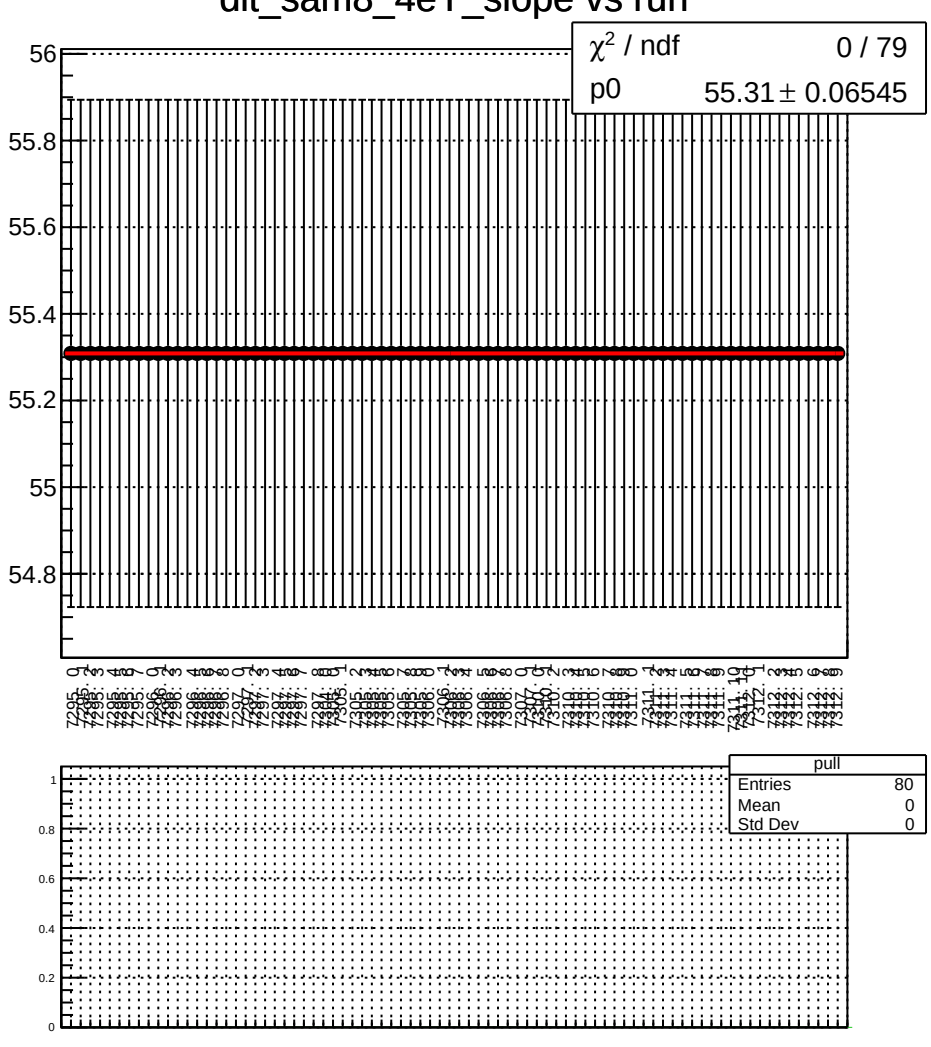

pull1D
Entries 80
Mean 8.422e−14
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

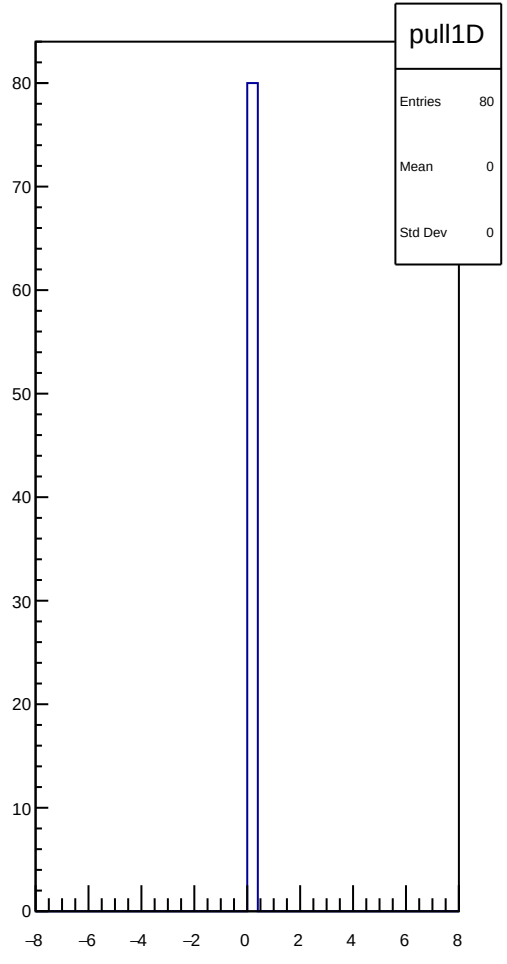

dit_sam8_4eX_slope vs run
χ^2 / ndf 6.072e−25 / 79
p0 −59.94 ± 0.1003
−59
−59.5
−60
−60.5
−61
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.712e−14
Std Dev3.788e−21

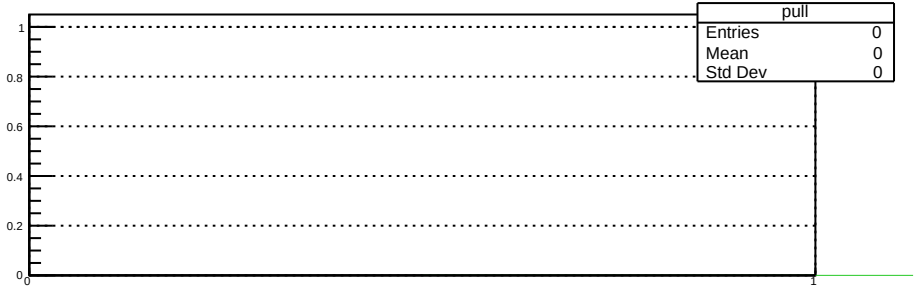

dit_sam8_11X12X_slope vs run
χ² / ndf 1.618e−26 / 79
p0 0.381± 0.002182
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.422e−14
Std Dev2.995e−22

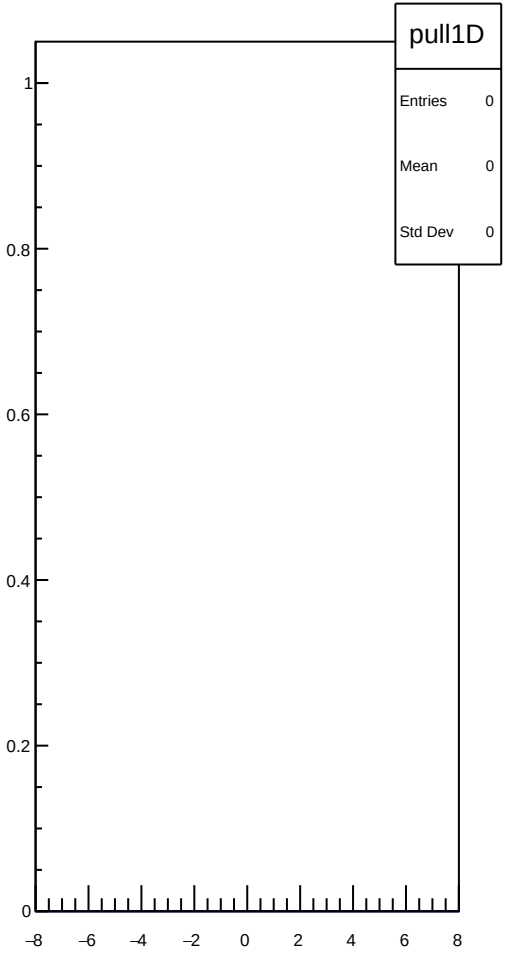

dit_sam8_4aY_slope vs run
χ² / ndf 8.504e−23 / 79
p0 −48.95 ± 0.01233
−48.85
−48.9
−48.95
−49
−49.05
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
1
0.8
0.6
0.4
0.2
0

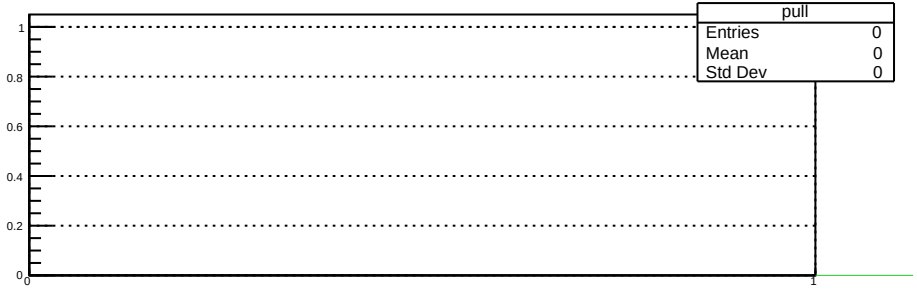

pull1D
Entries 80
Mean 1.031e−12
Std Dev3.586e−20
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70
60
50
40
30
20
10
0
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−4
−2
0
2
4
6
8

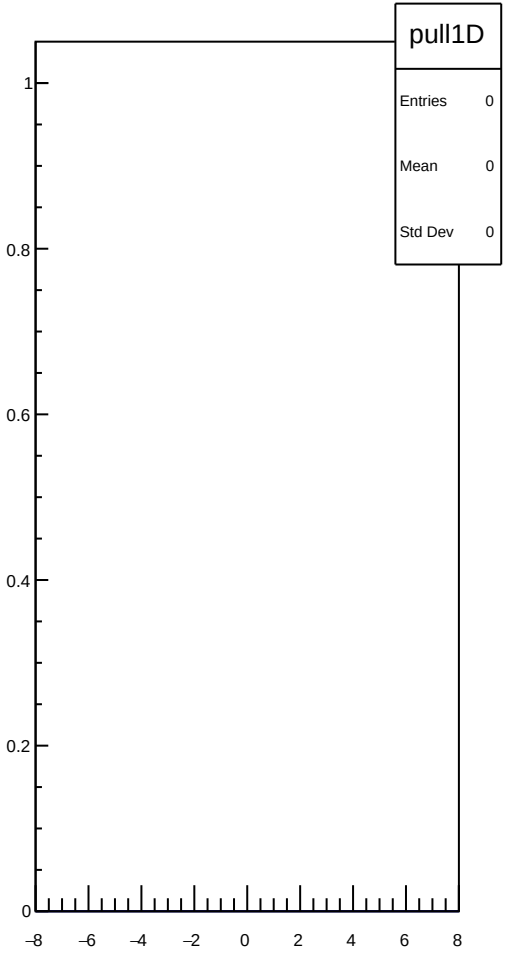

dit_sam8_4eY_slope vs run
χ² / ndf 0 / 79
p0 55.31 ± 0.06545
pull
Entries 80
Mean 0
Std Dev 0

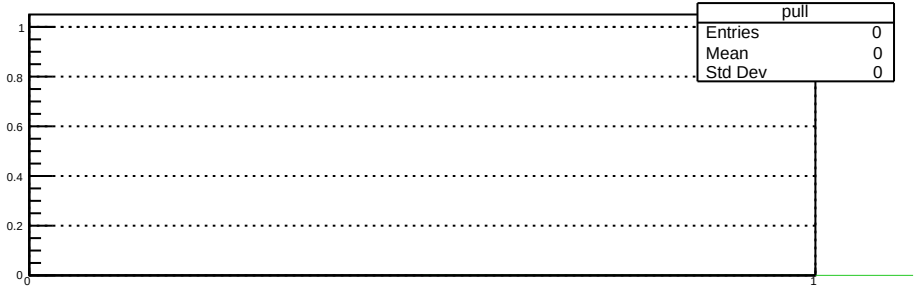

pull1D
Entries 80
Mean 0
Std Dev 0

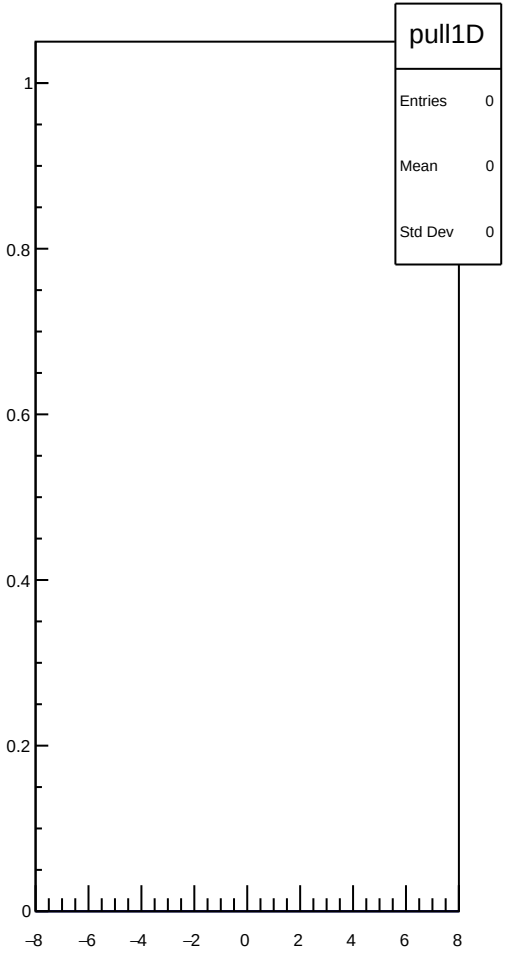

pull
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Std Dev 0
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0.6
0.4
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0
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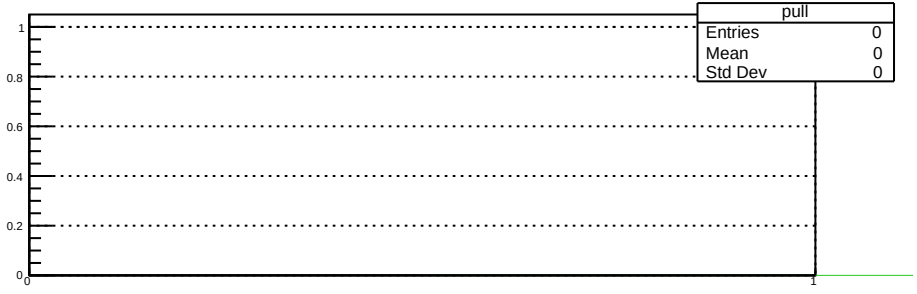

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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–2
0
2
4
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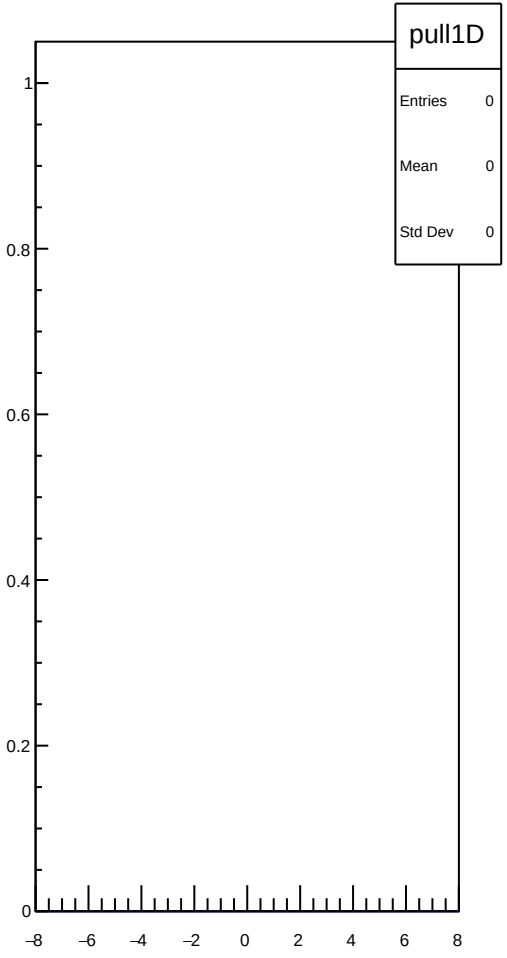

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Std Dev 0
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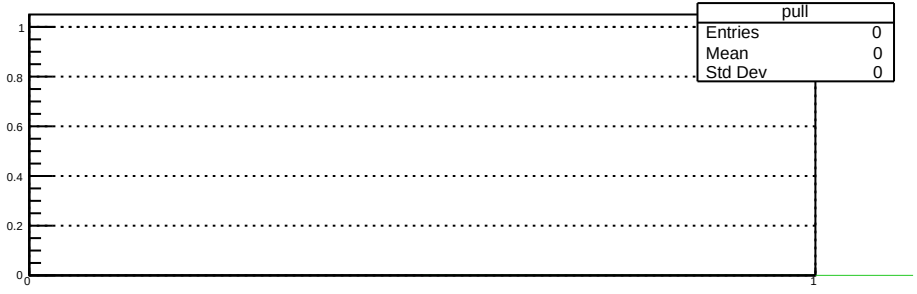

pull1D
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Std Dev 0
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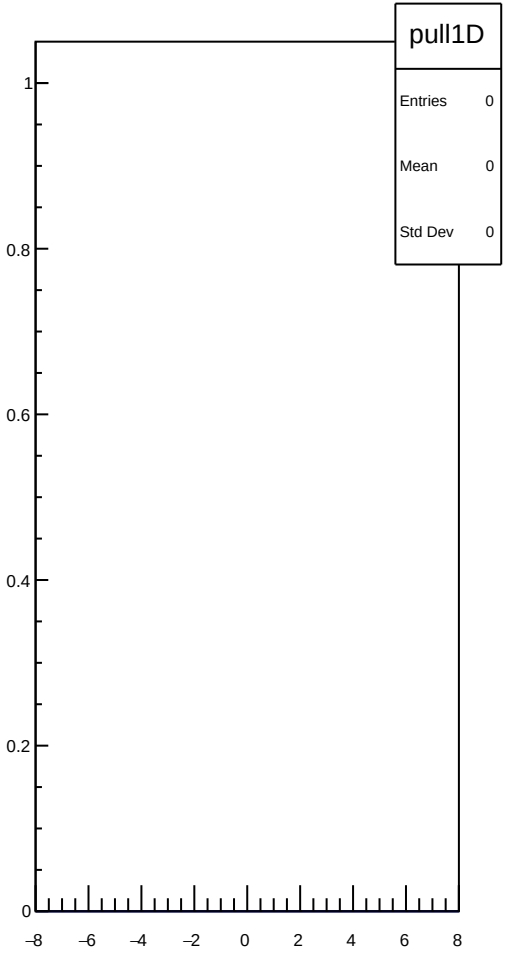

pull
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Std Dev 0
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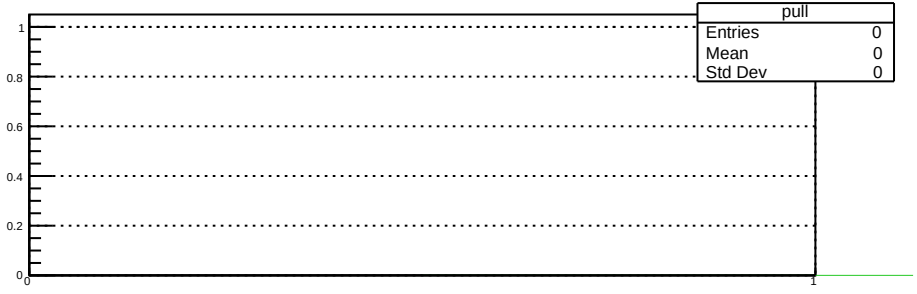

pull1D
Entries 0
Mean 0
Std Dev 0
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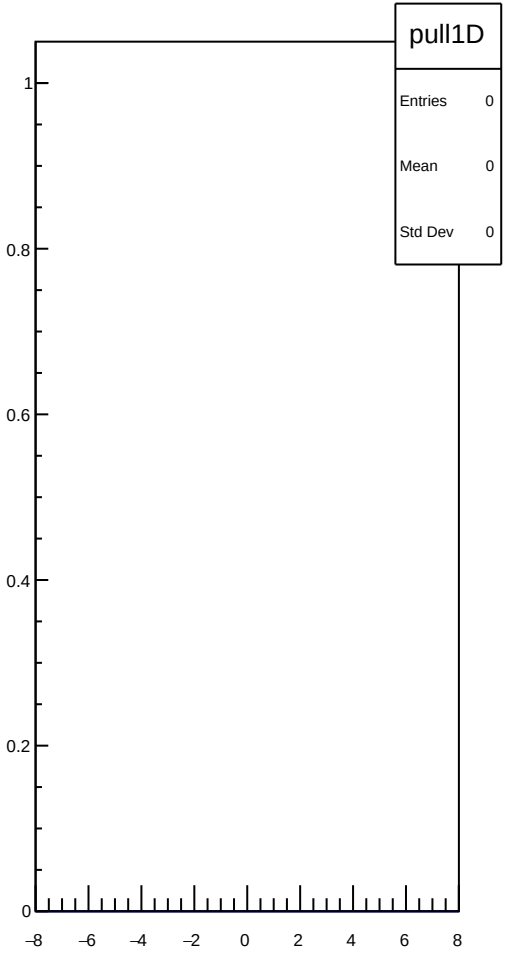

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Std Dev 0
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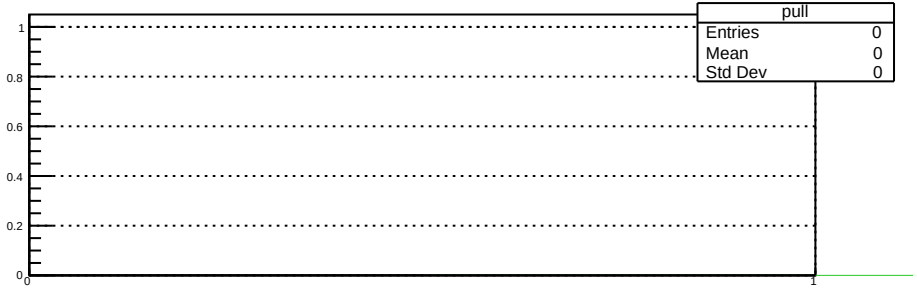

pull1D
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Std Dev 0
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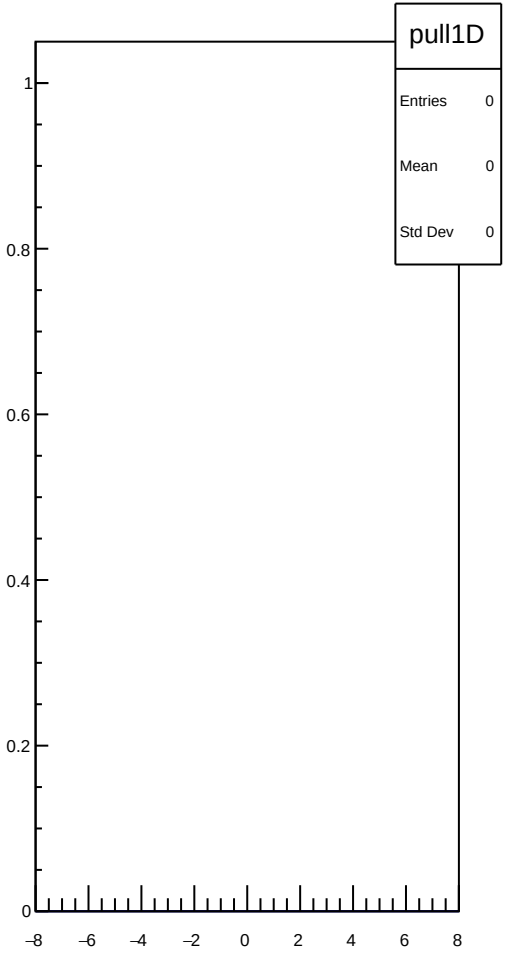

pull
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Std Dev 0
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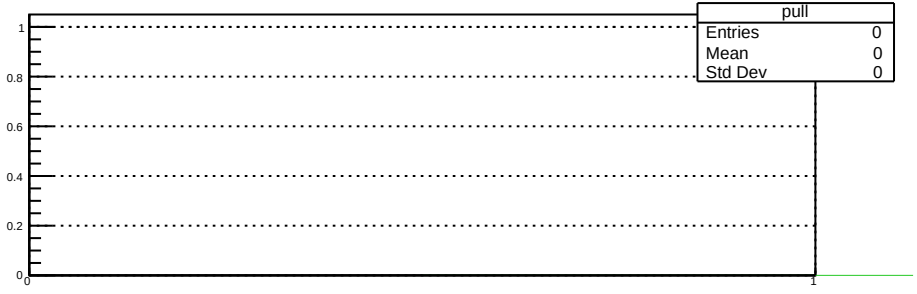

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Std Dev 0
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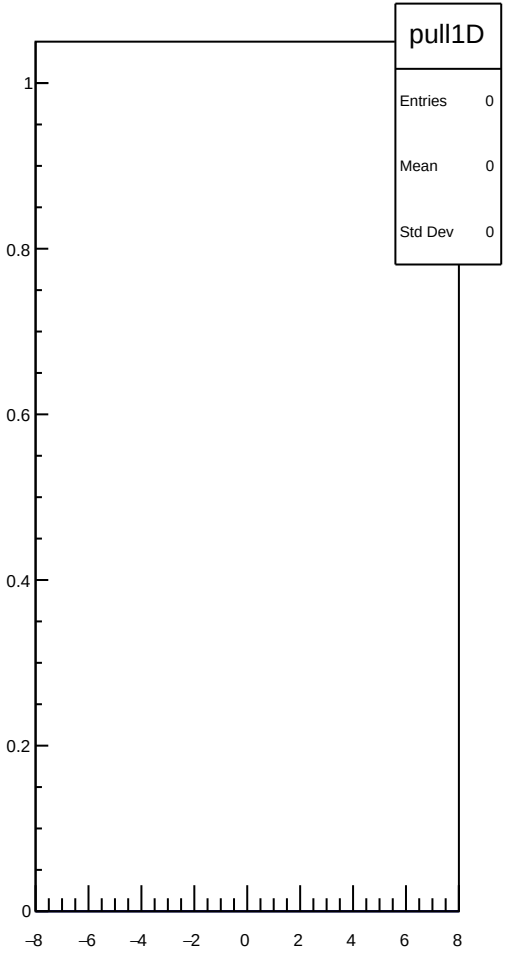

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Std Dev 0
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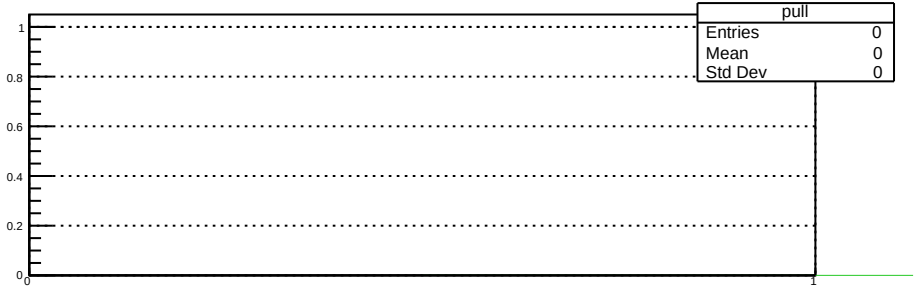

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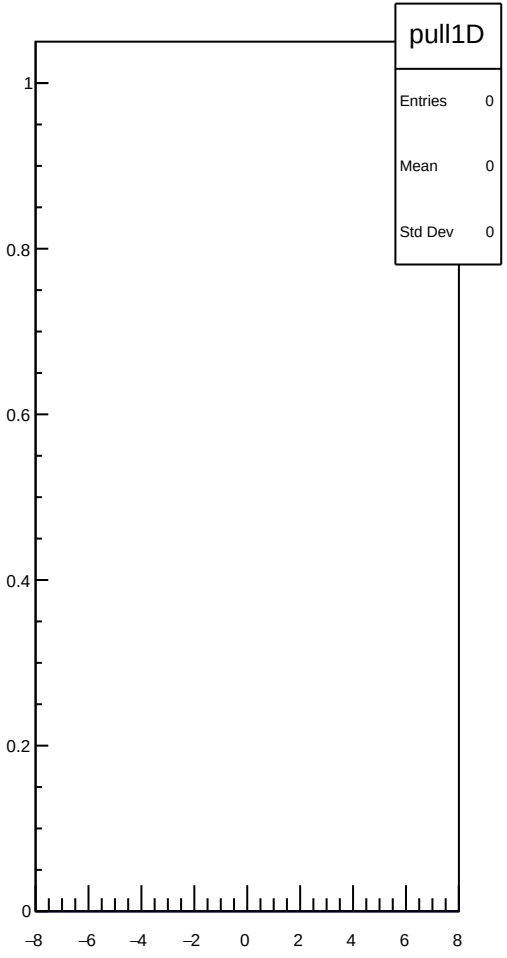

pull
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Std Dev 0
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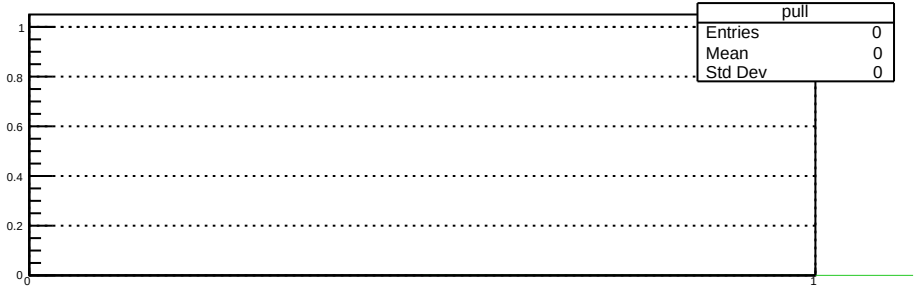

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Std Dev 0
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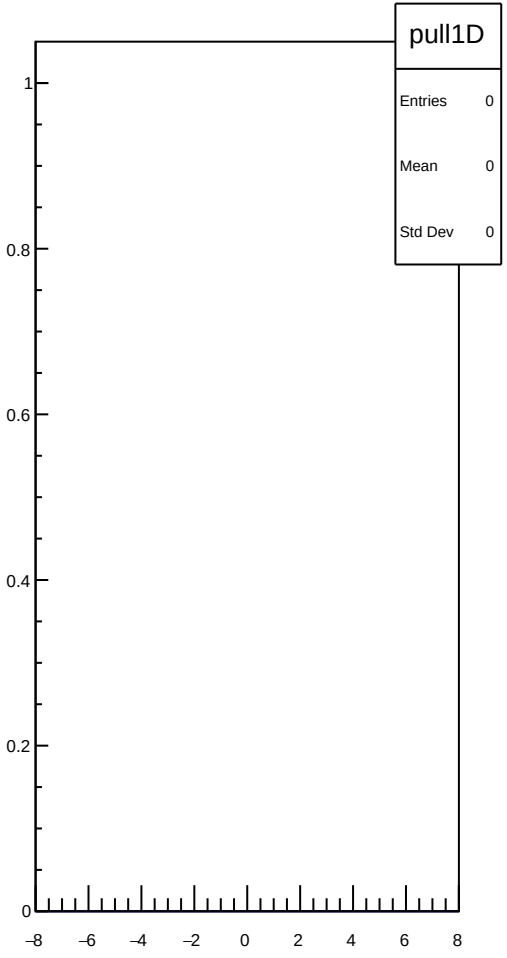

pull
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Std Dev 0
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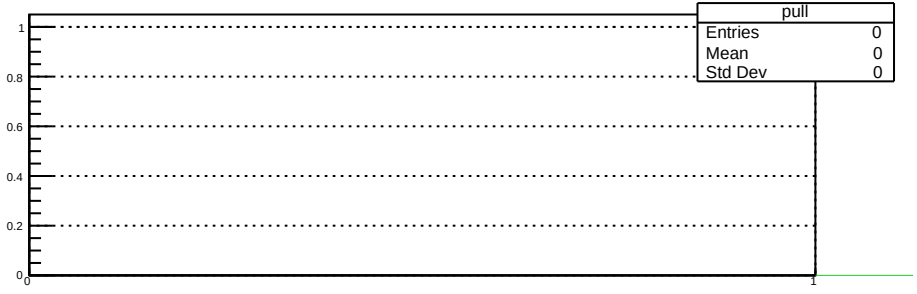

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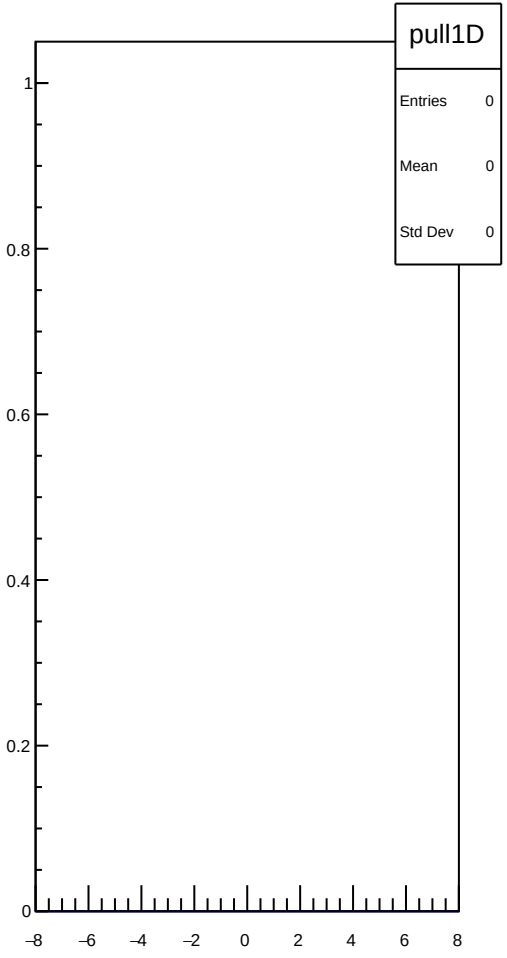

pull
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Std Dev 0
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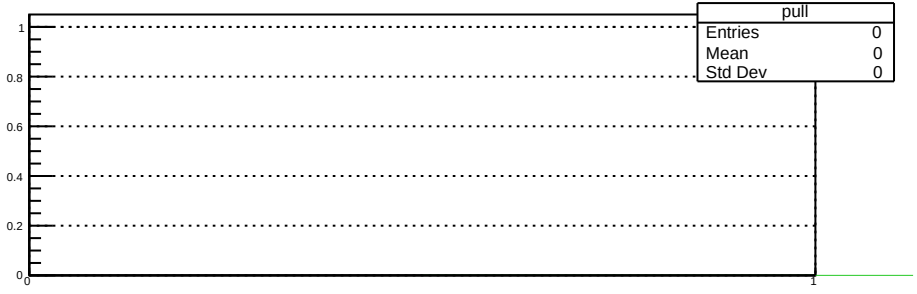

pull1D
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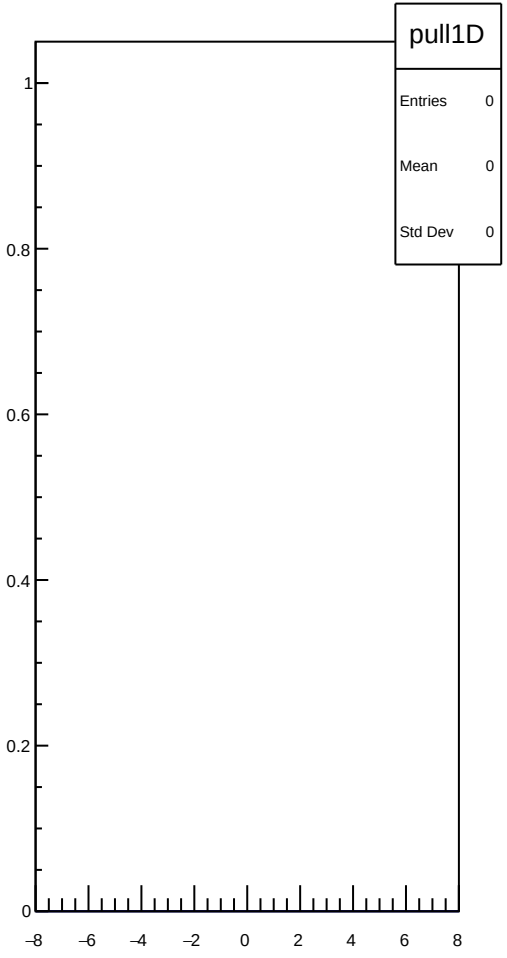

pull
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Std Dev 0
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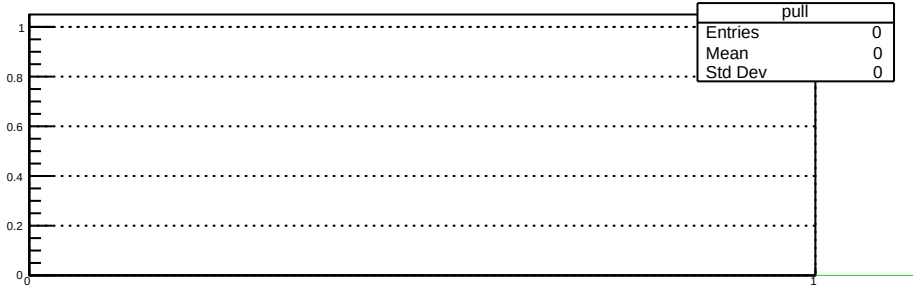

pull1D
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Std Dev 0
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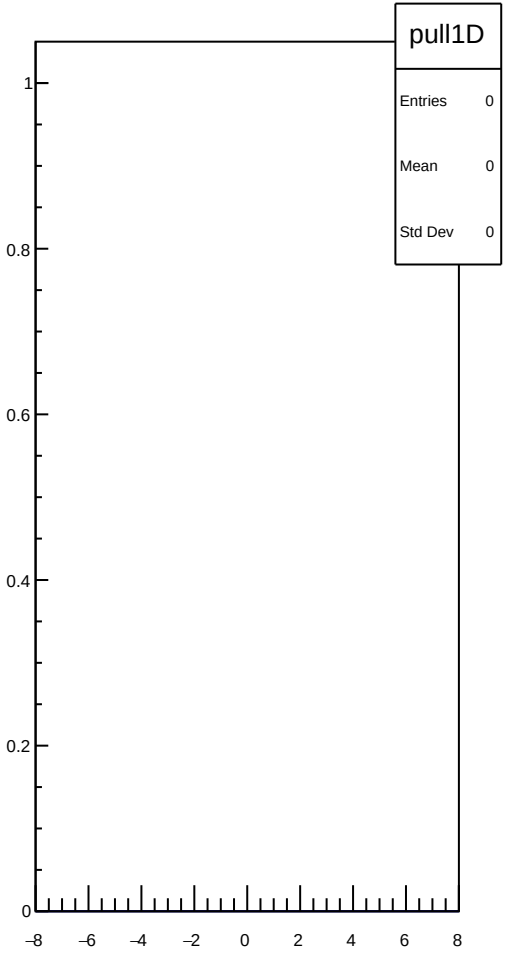

pull
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Std Dev 0
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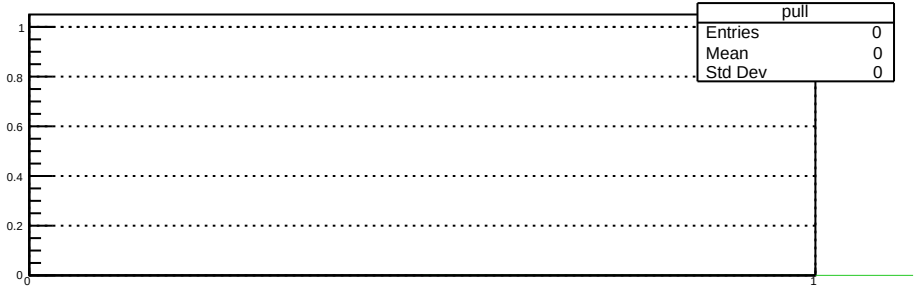

pull1D
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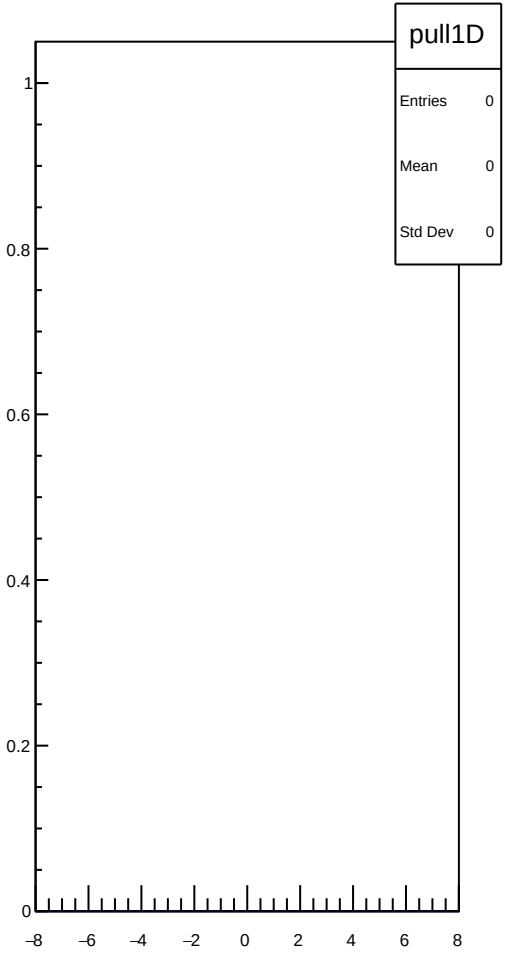

pull
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Std Dev 0
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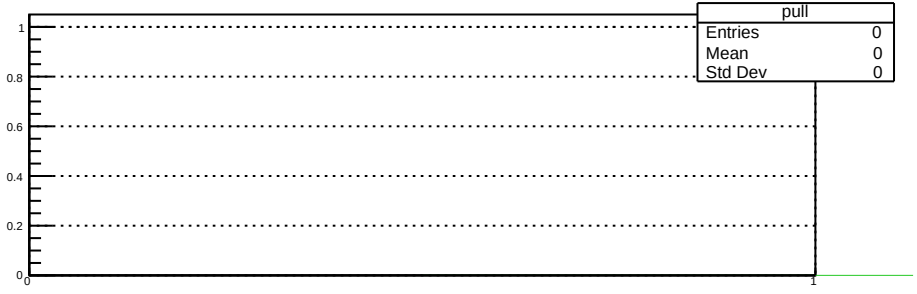

pull1D
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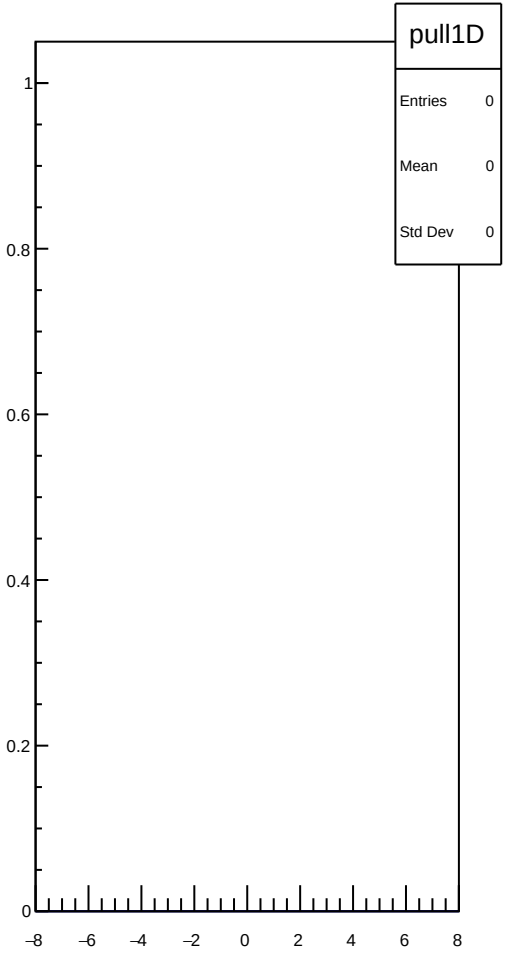

pull
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Std Dev 0
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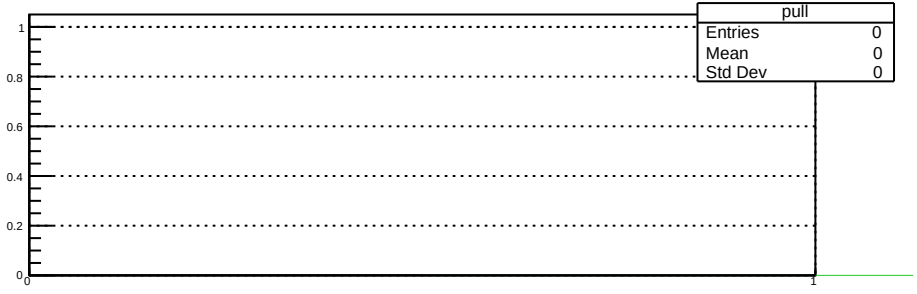

pull1D
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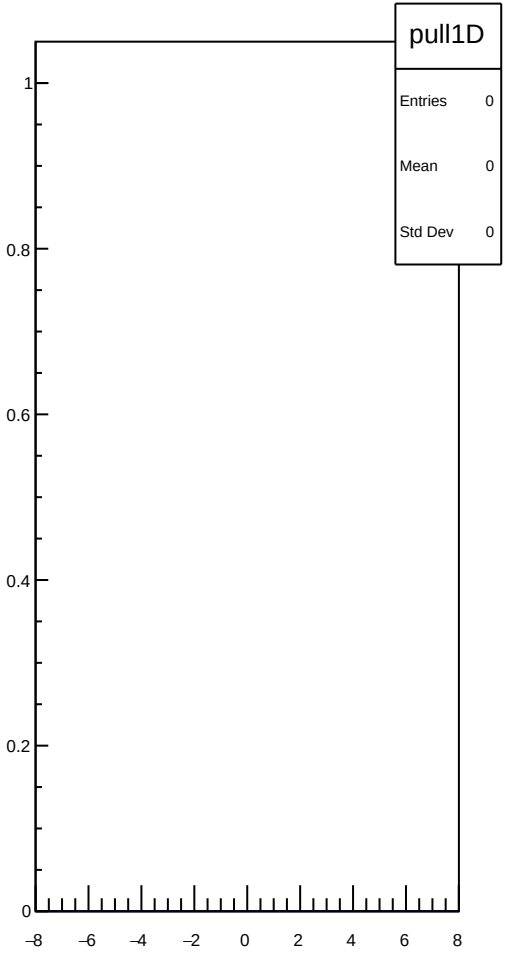

pull
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Std Dev 0
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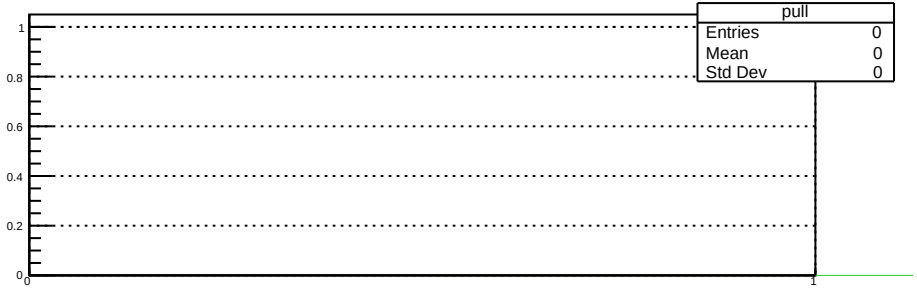

pull1D
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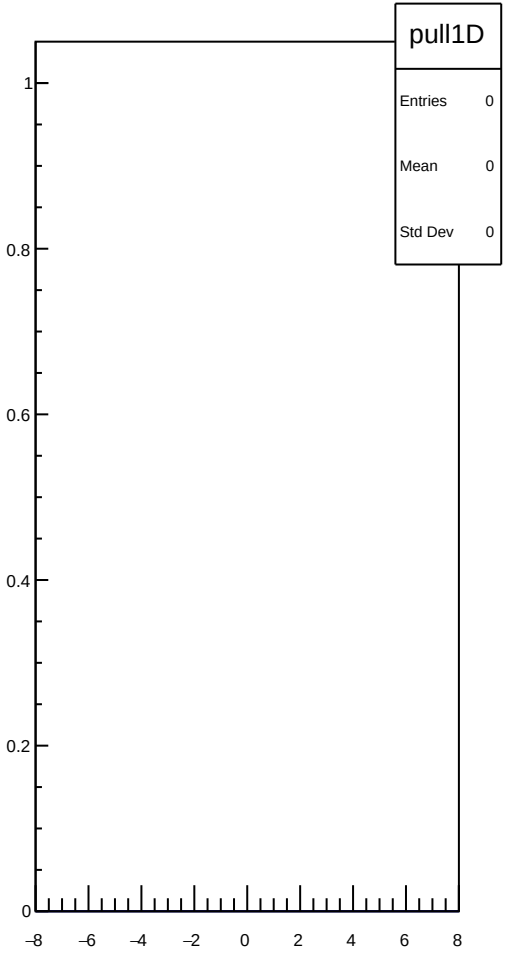

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Std Dev 0
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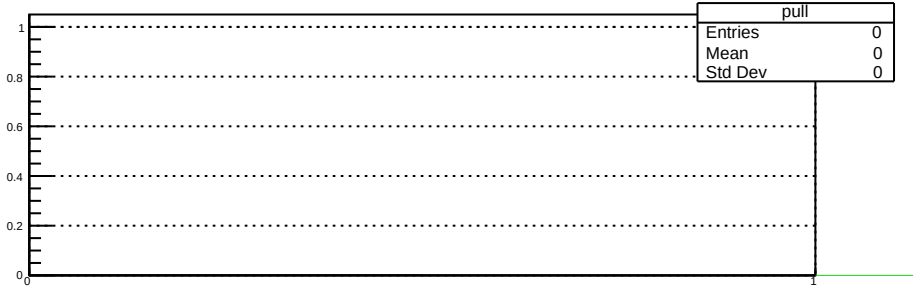

pull1D
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Std Dev 0
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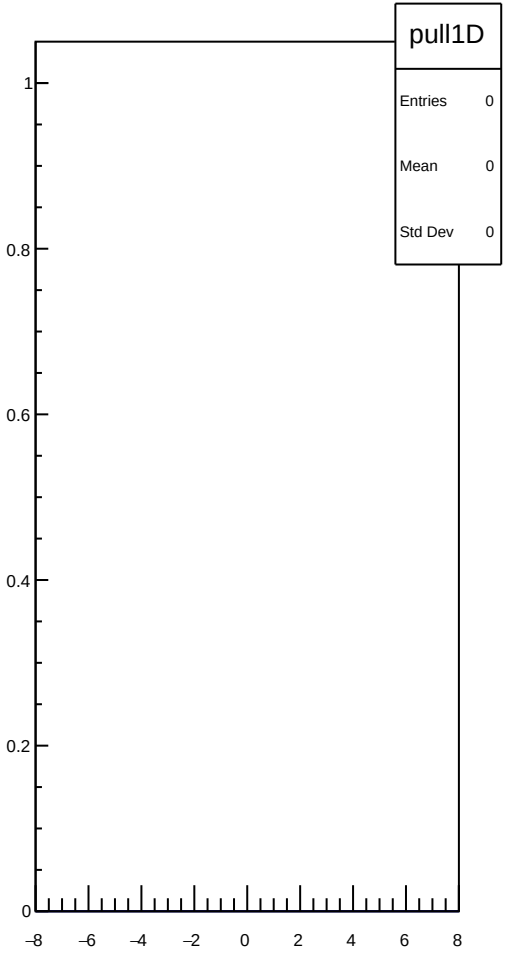

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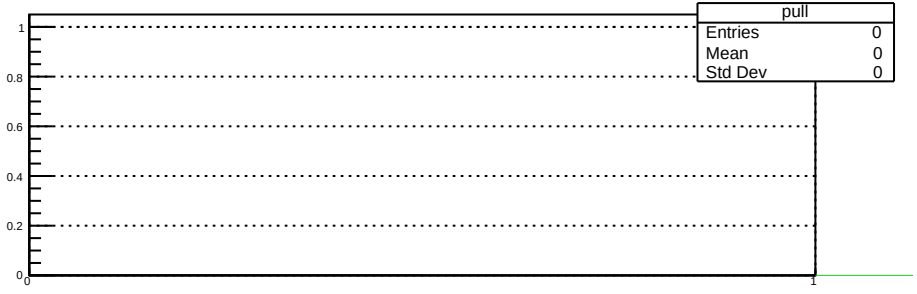

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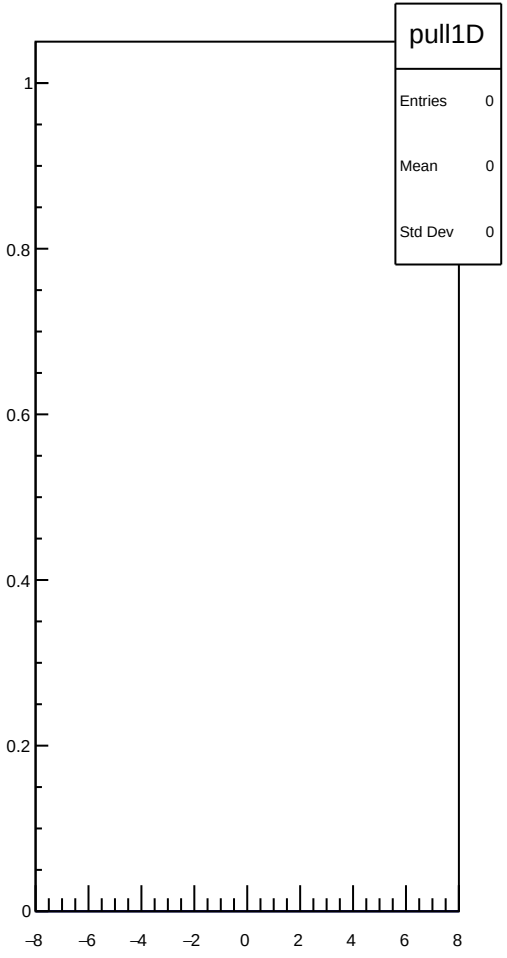

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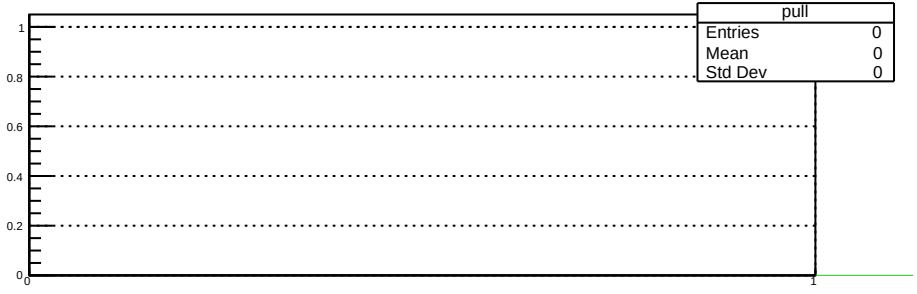

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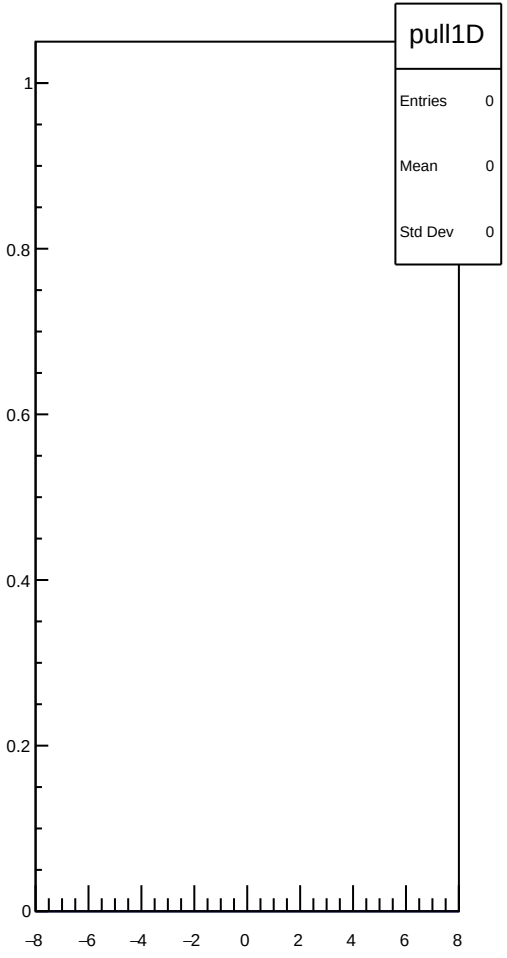

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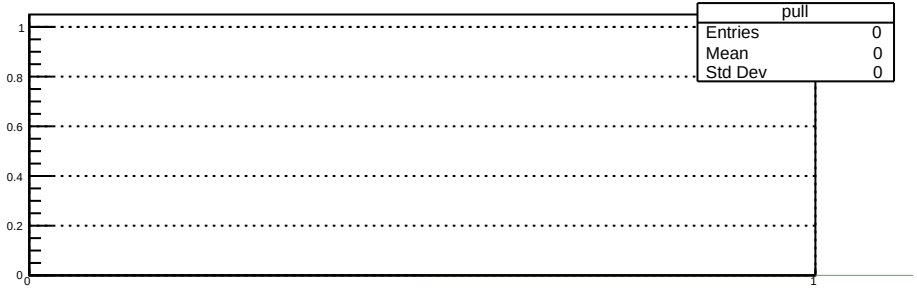

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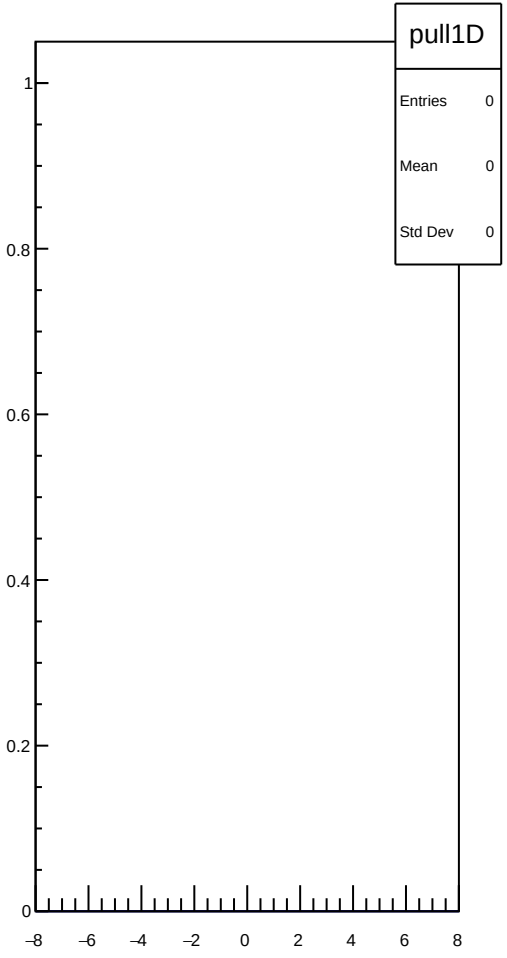

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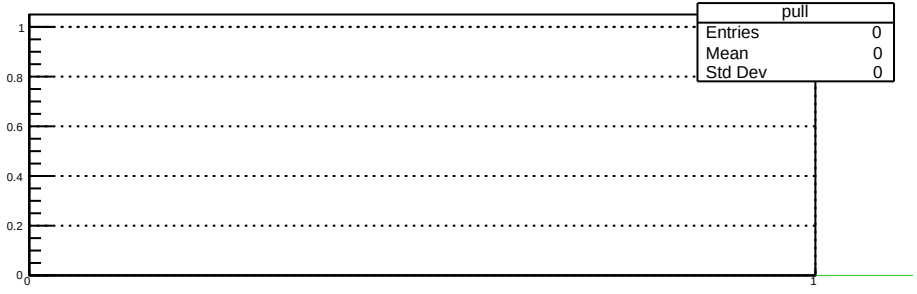

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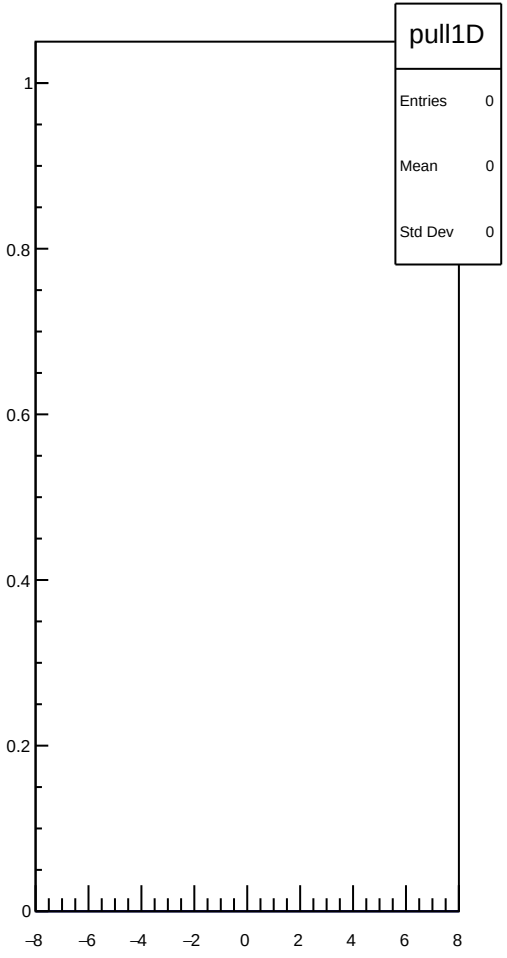

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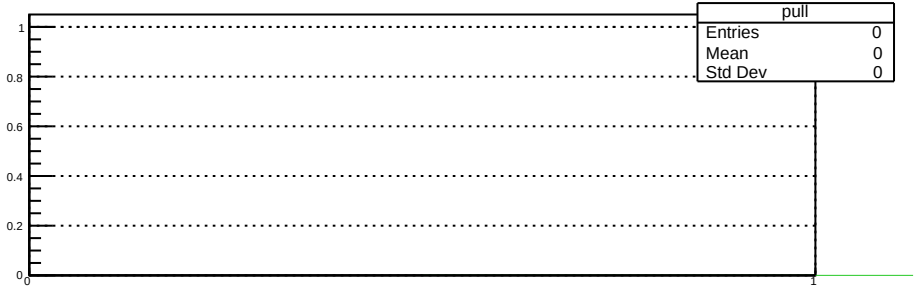

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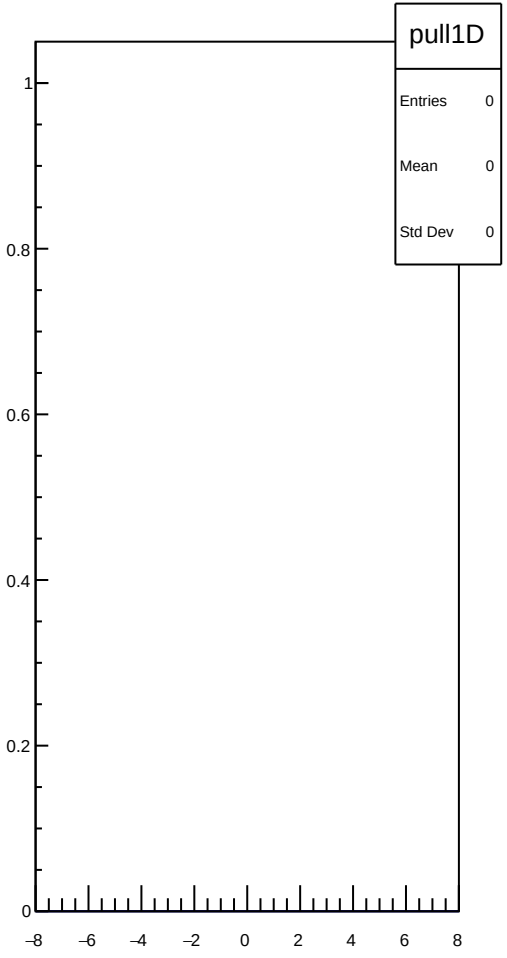

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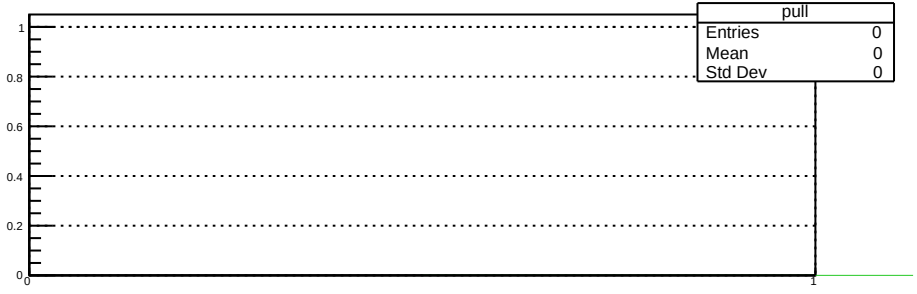

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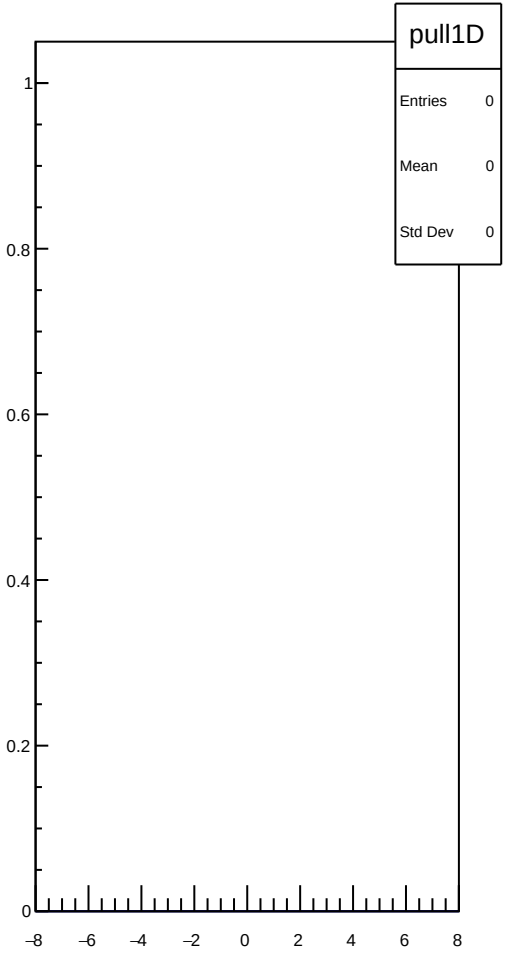

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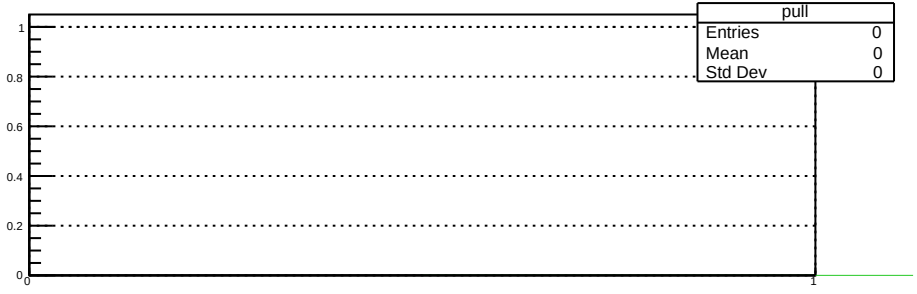

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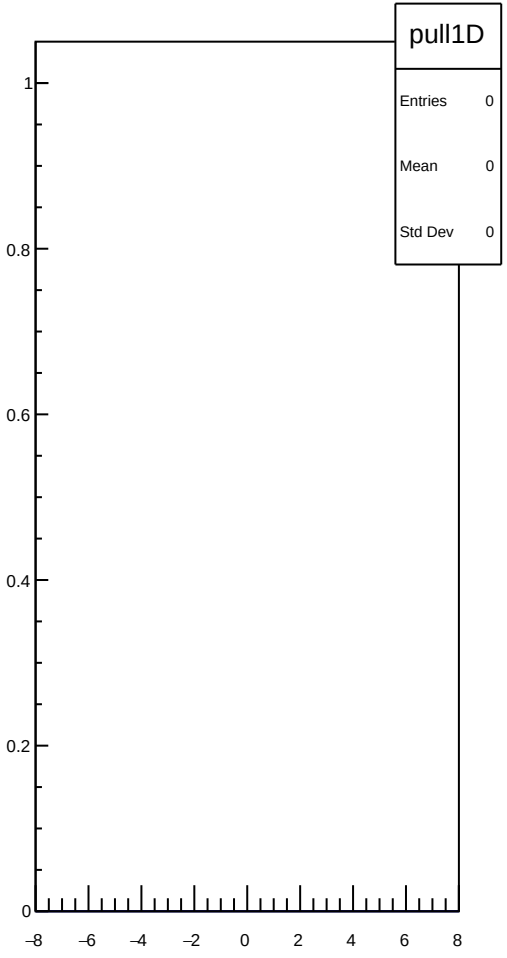

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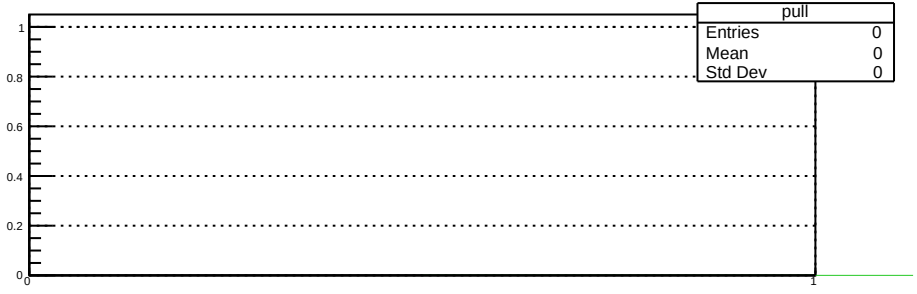

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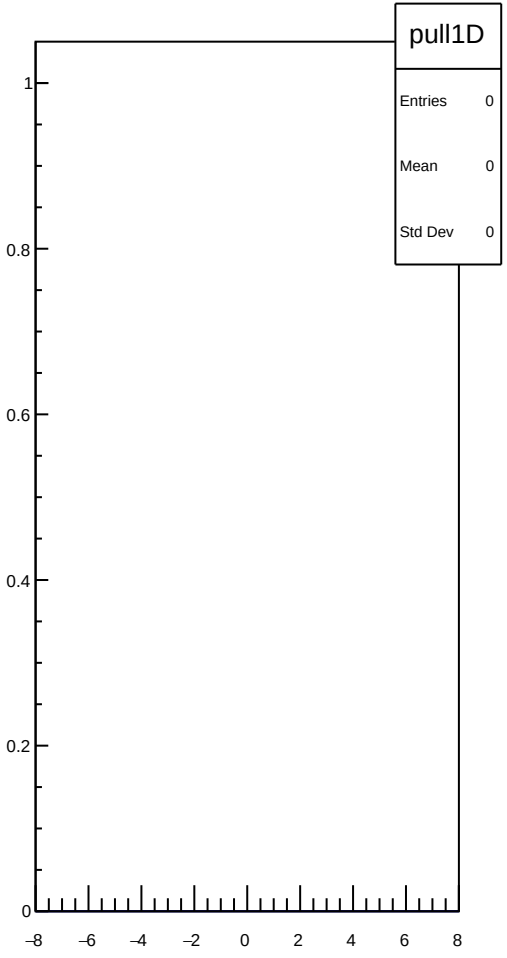

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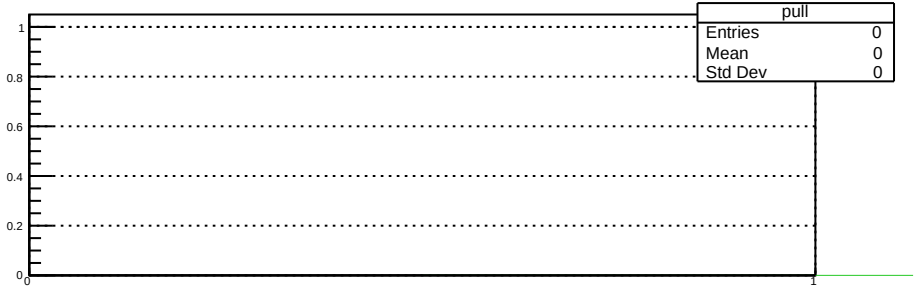

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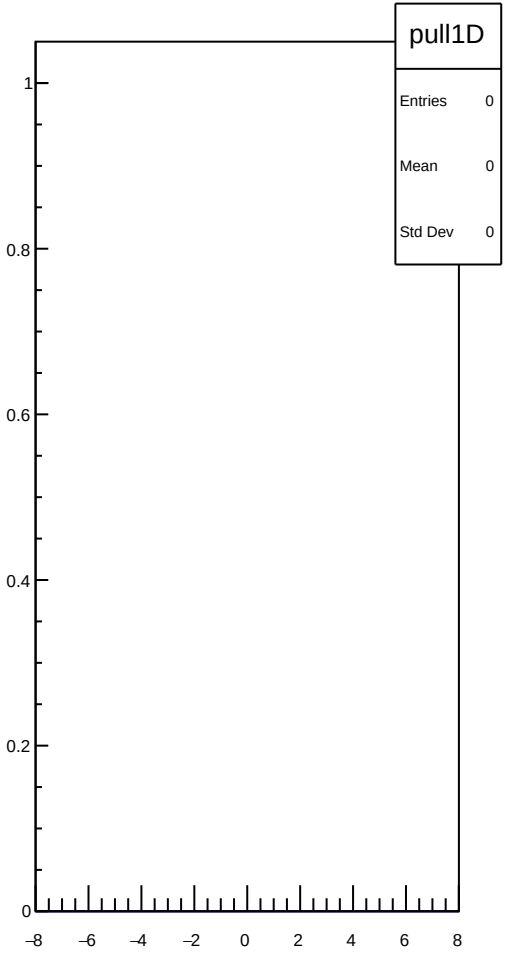

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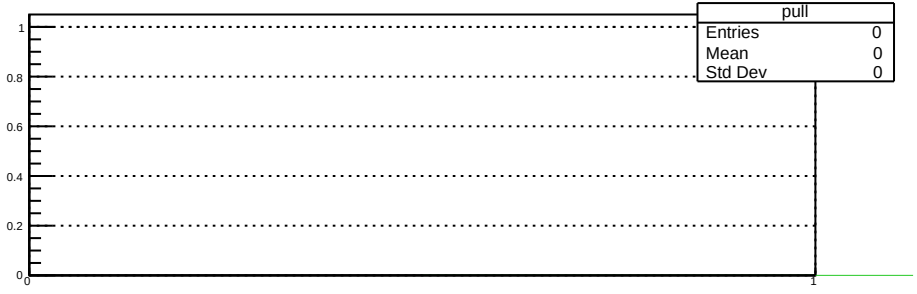

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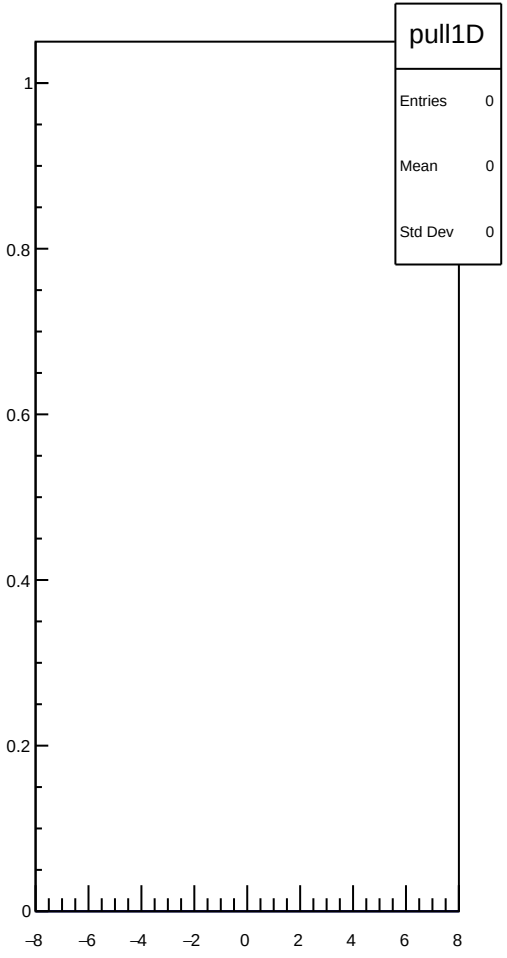

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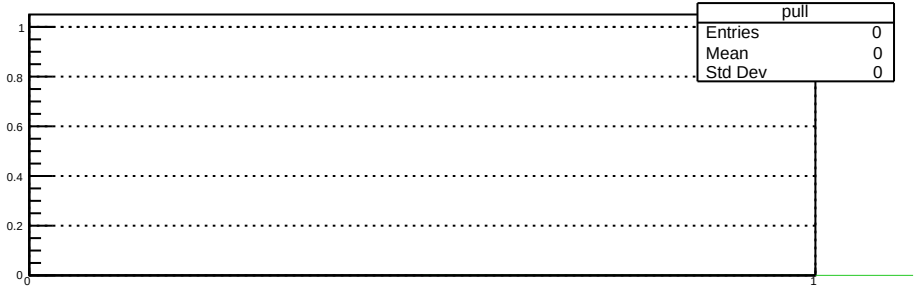

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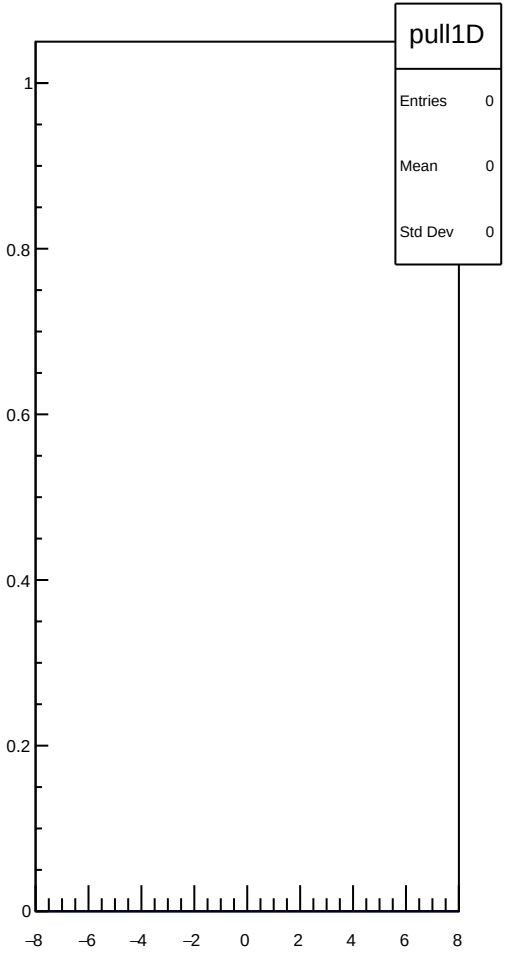

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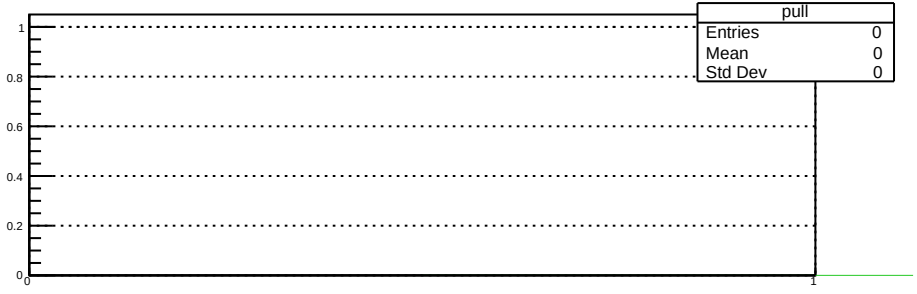

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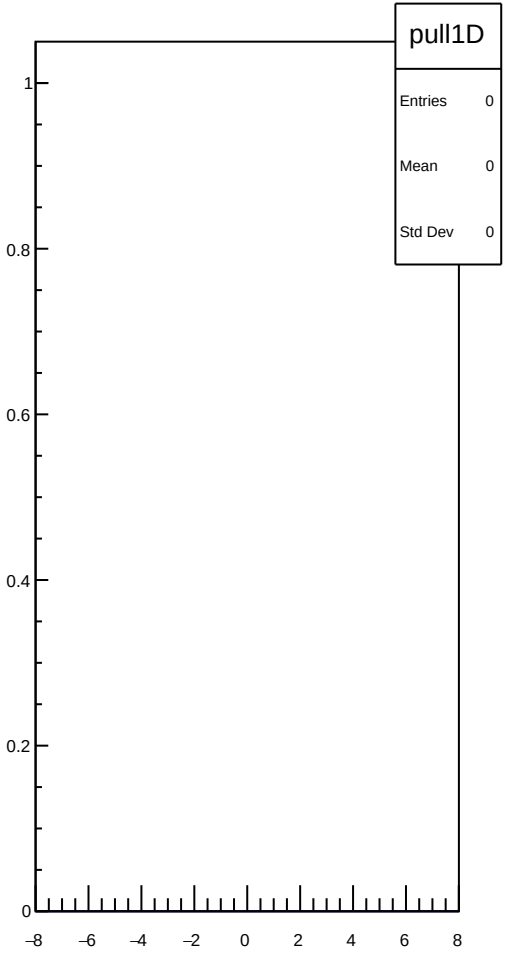

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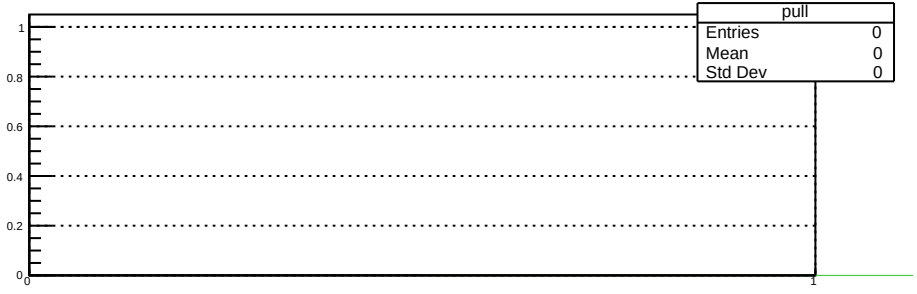

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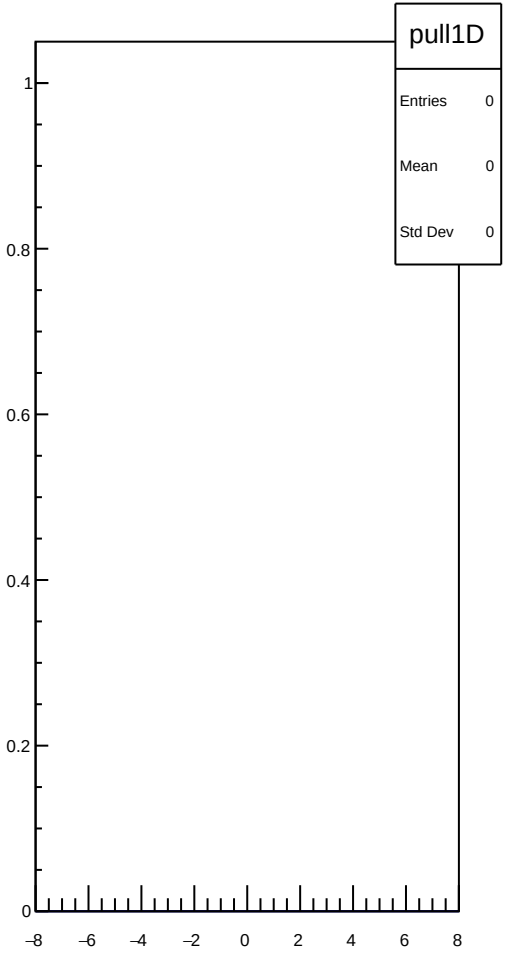

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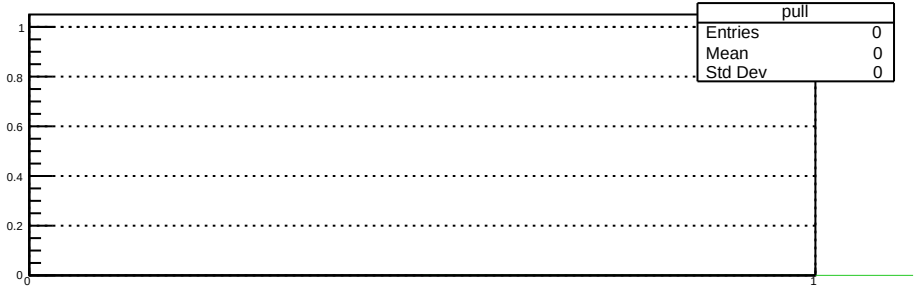

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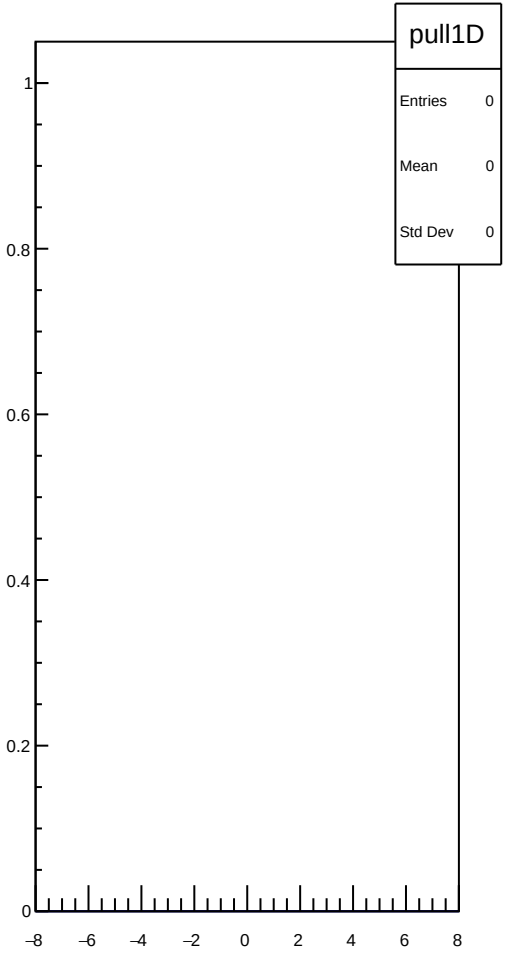

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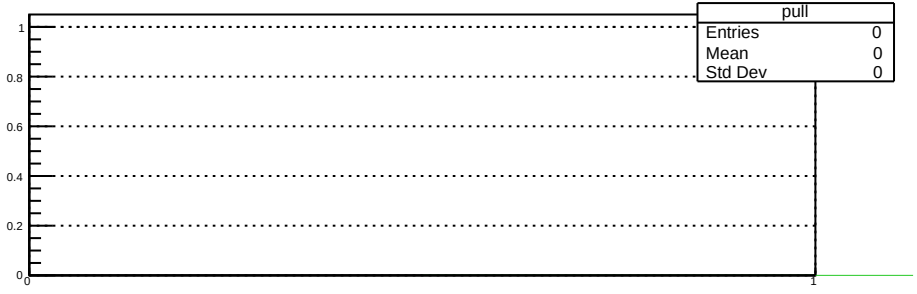

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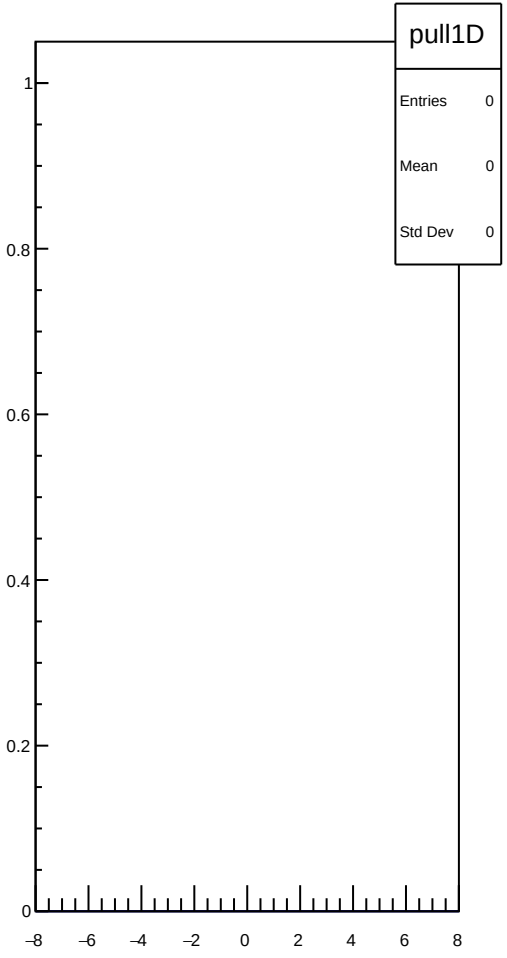

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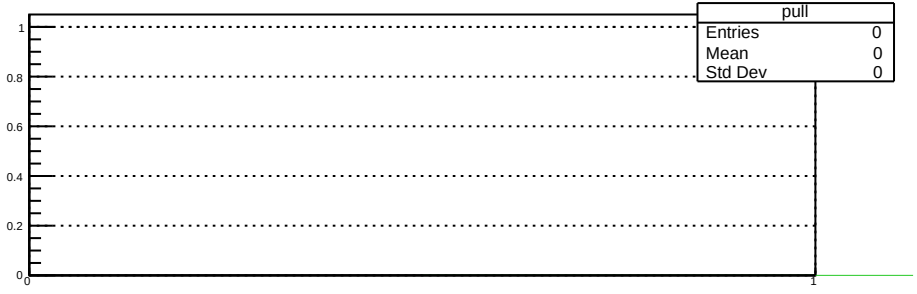

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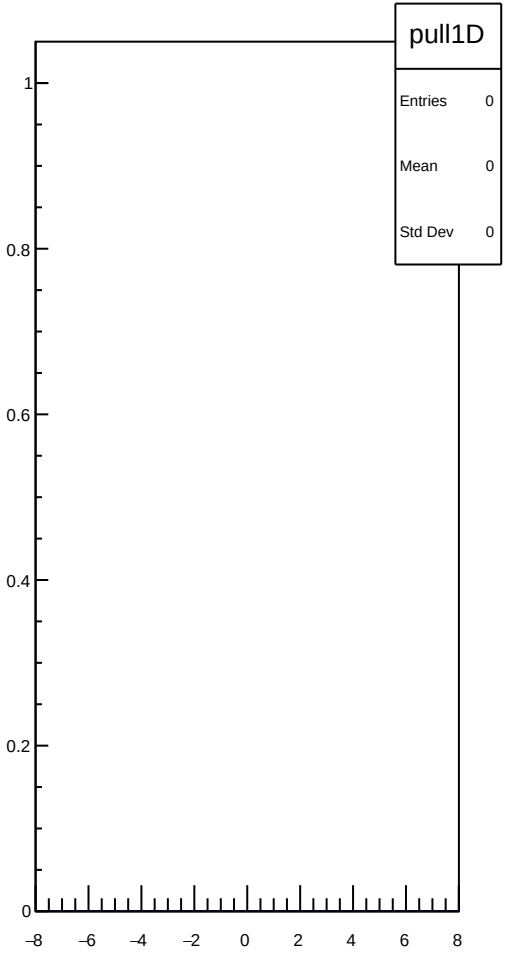

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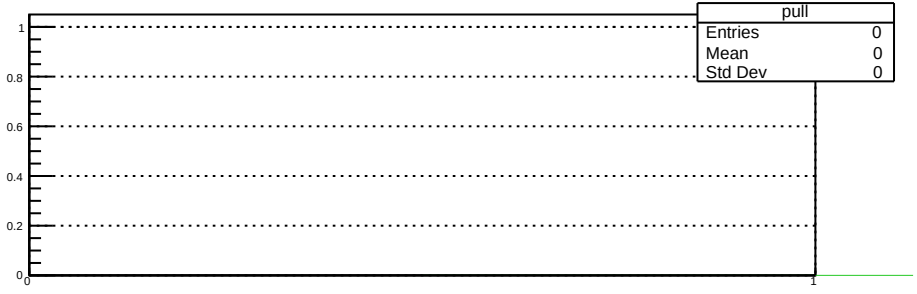

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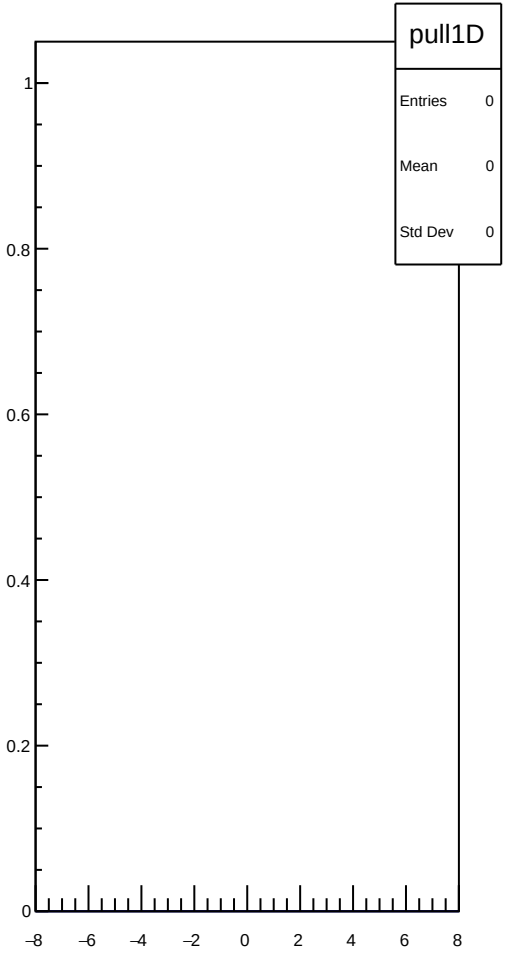

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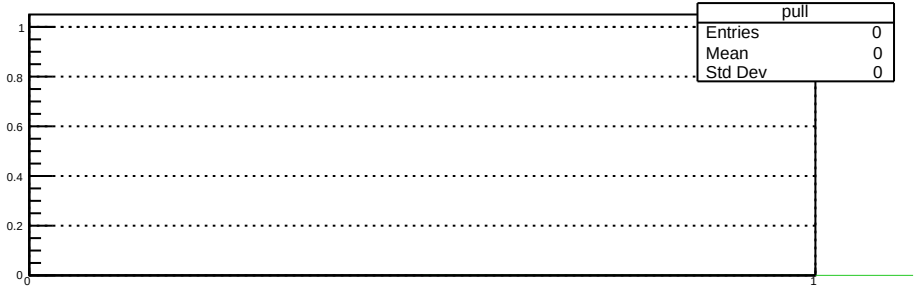

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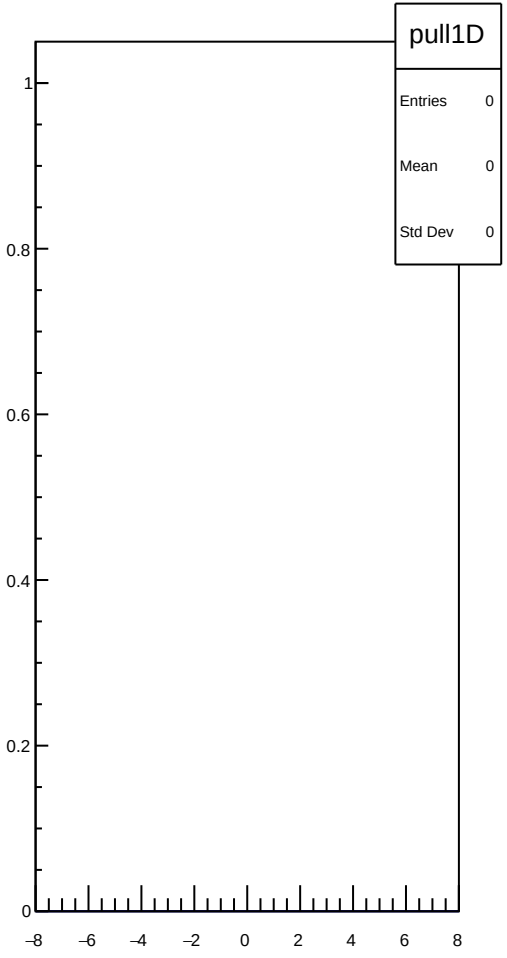

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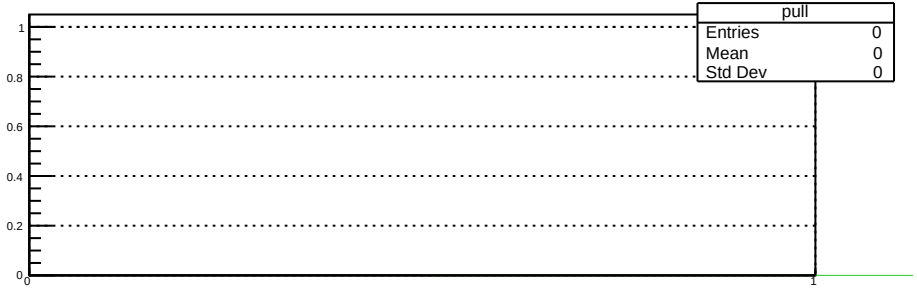

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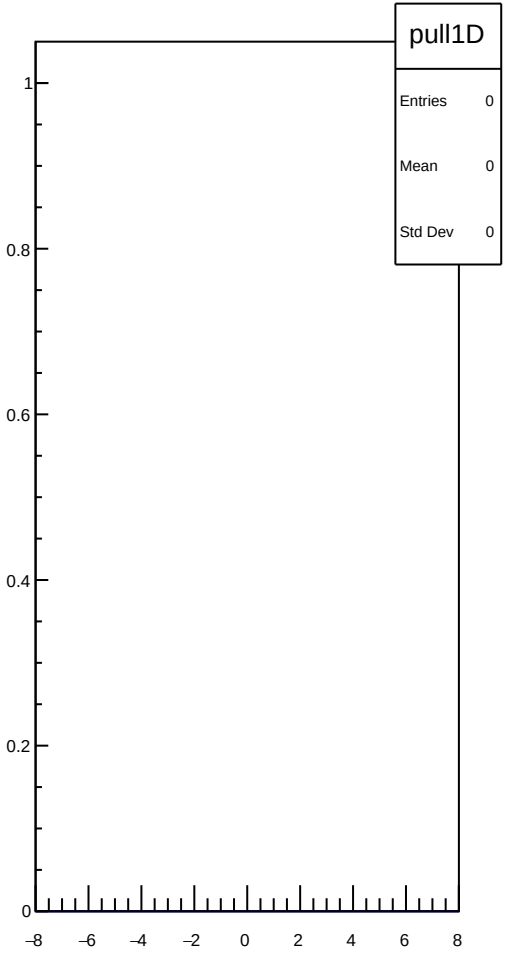

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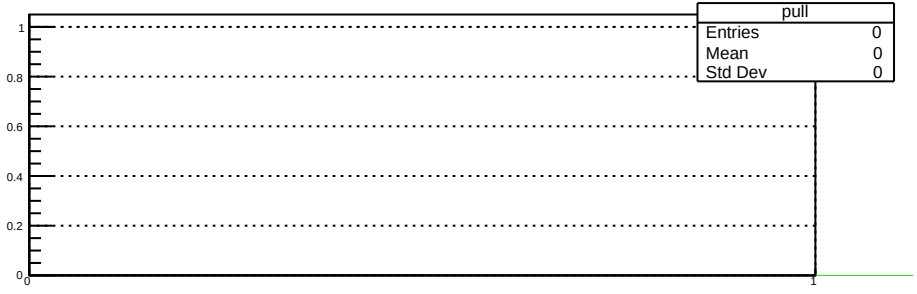

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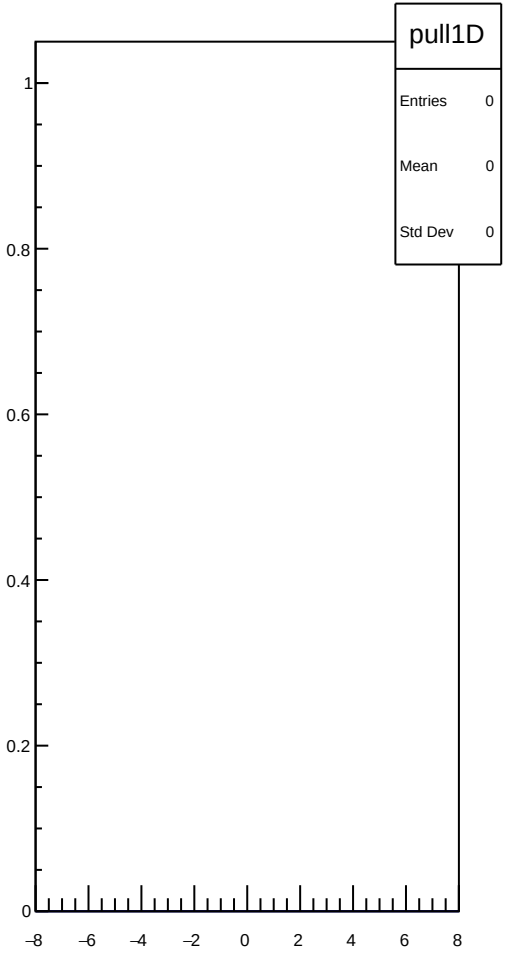

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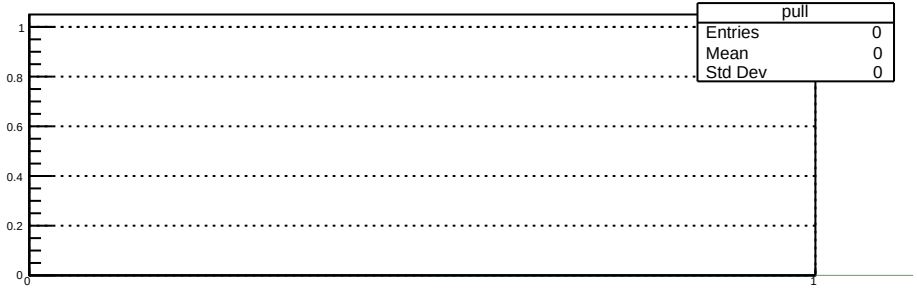

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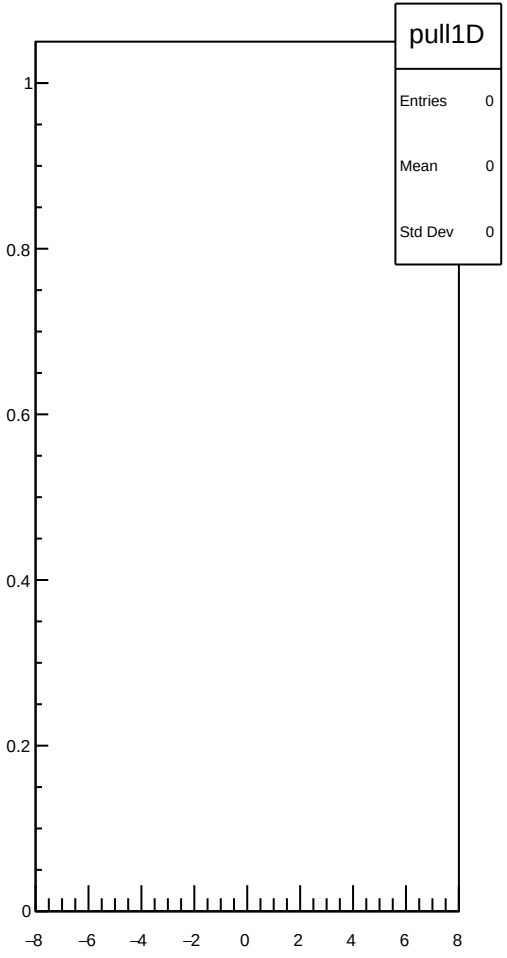

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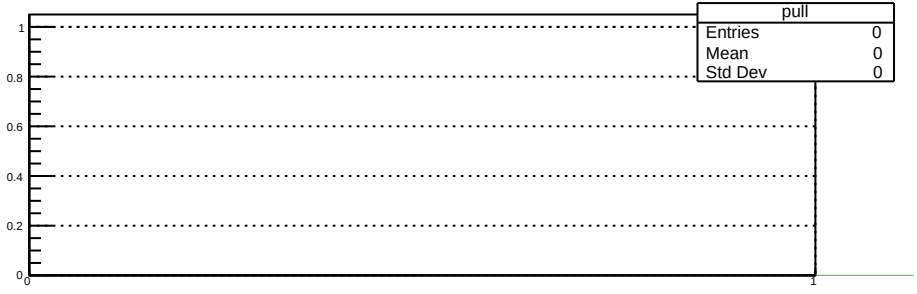

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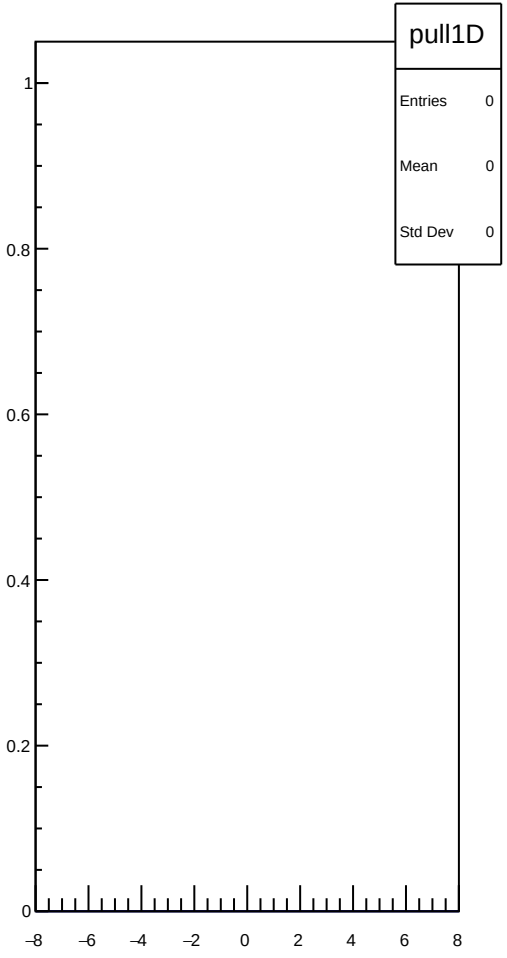

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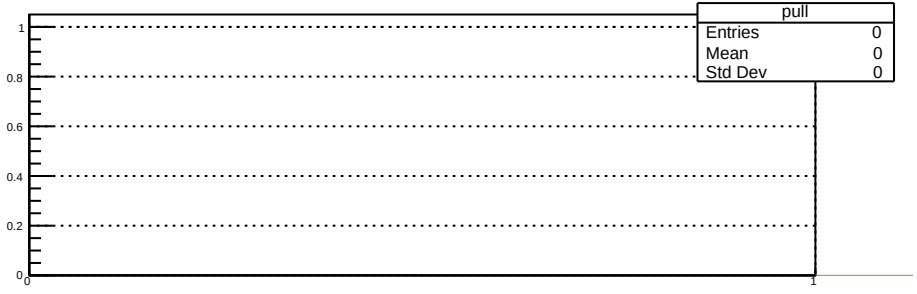

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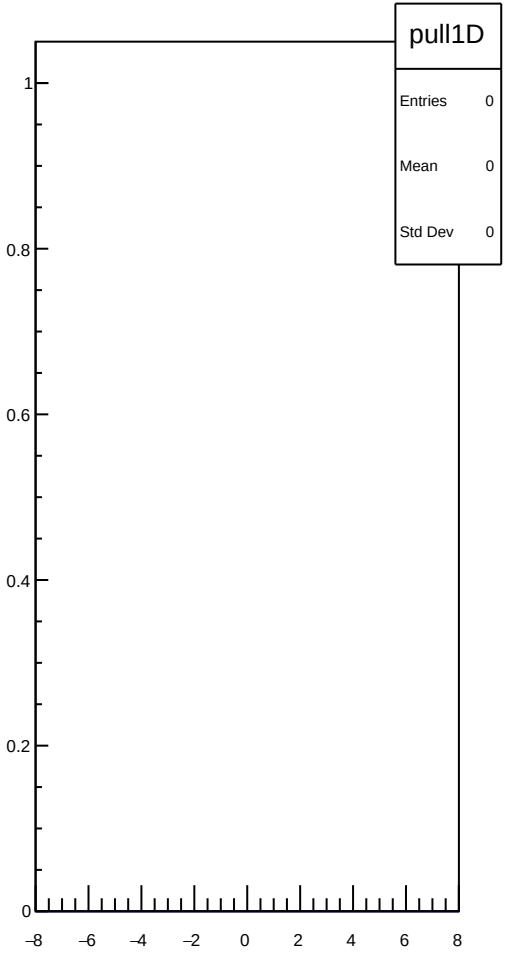

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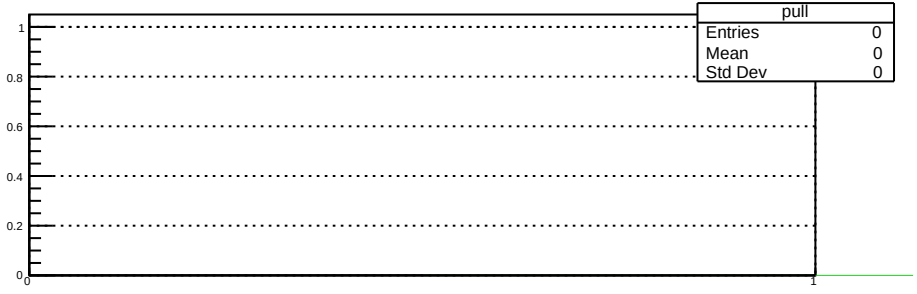

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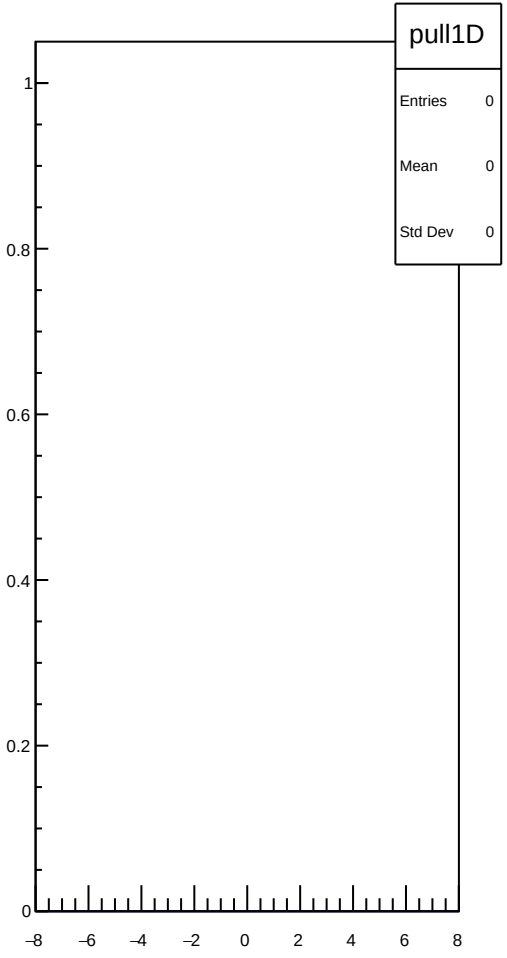

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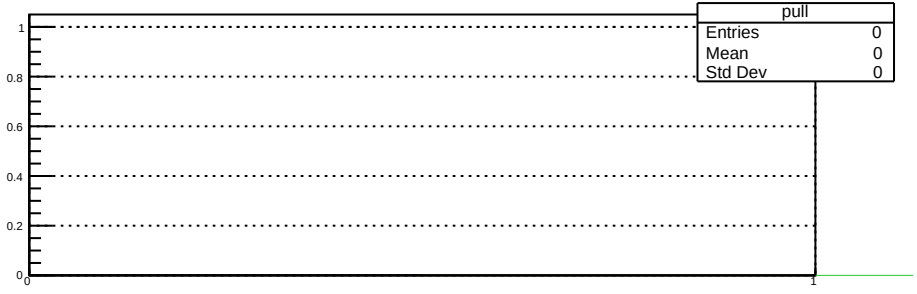

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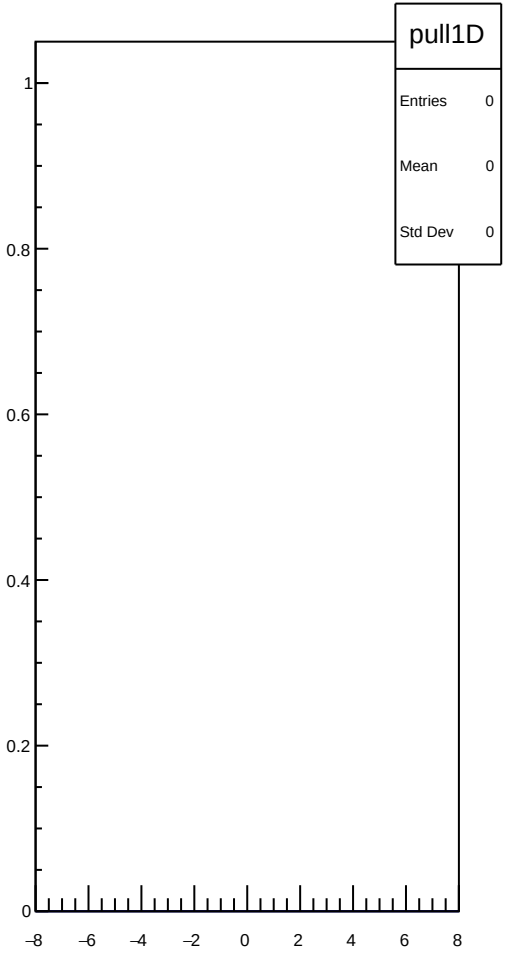

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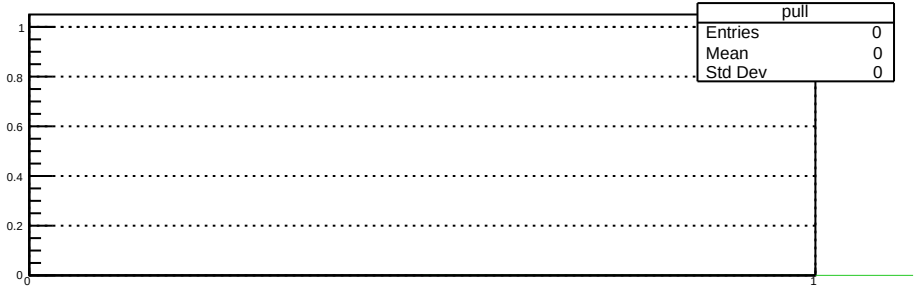

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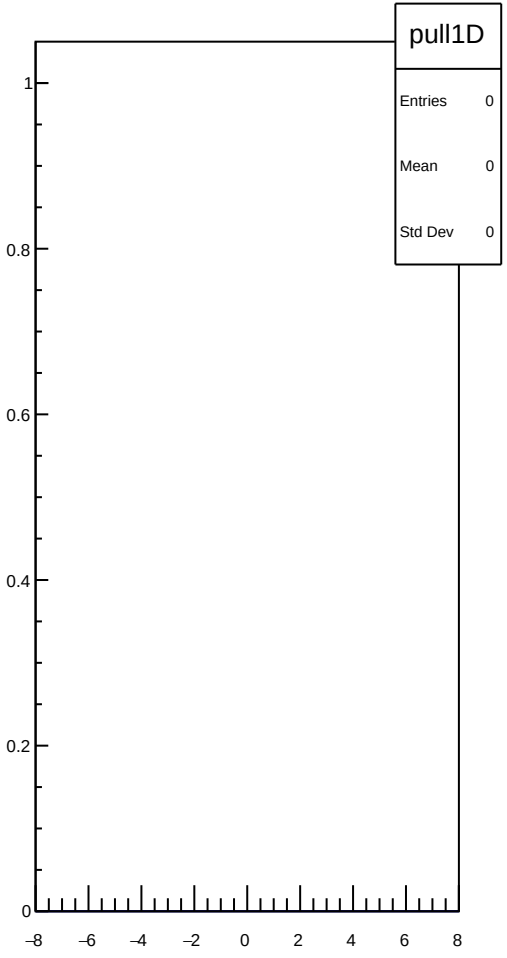

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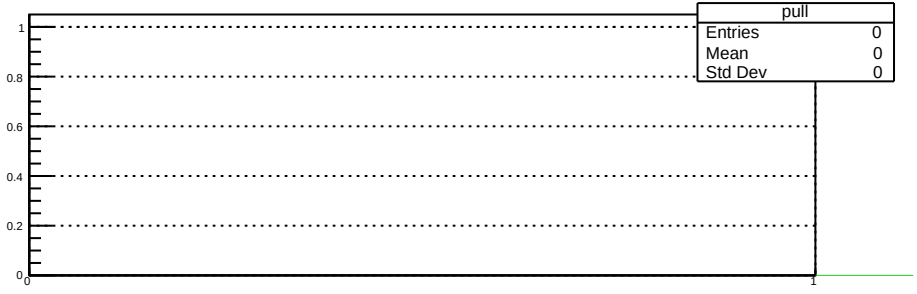

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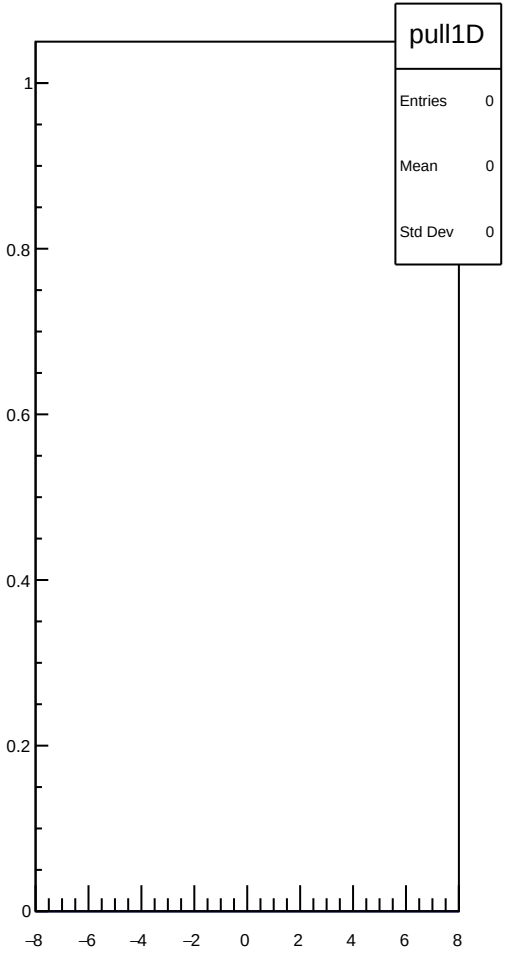

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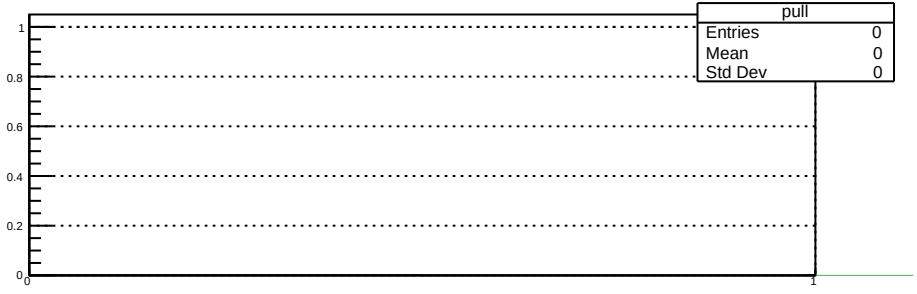

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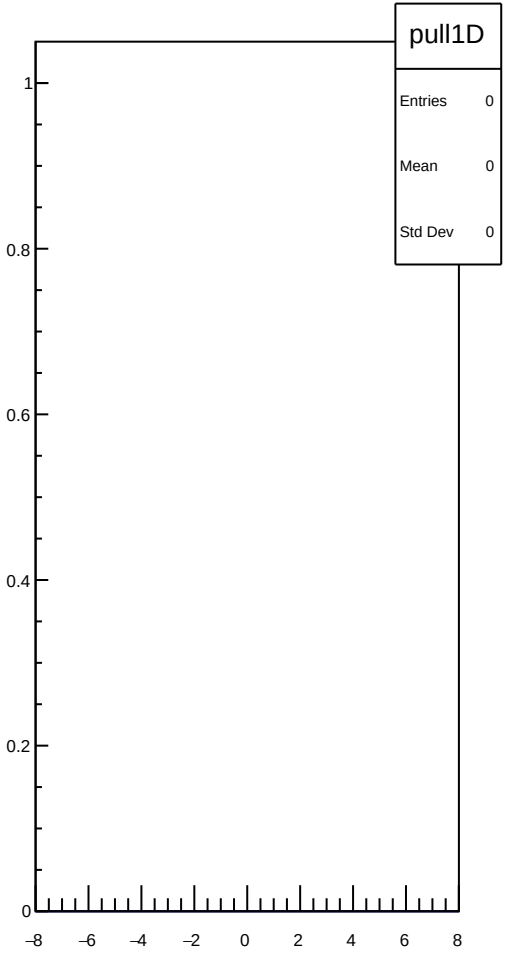

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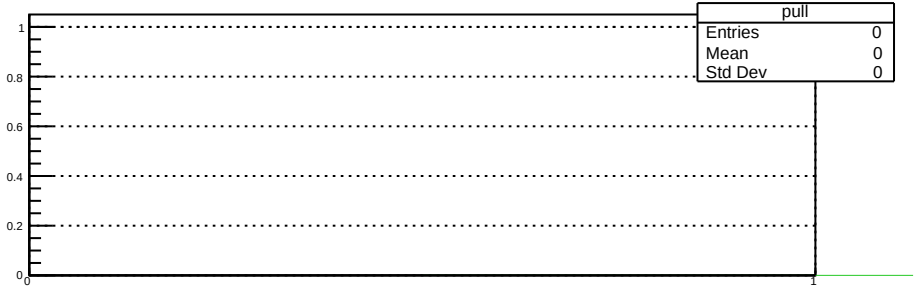

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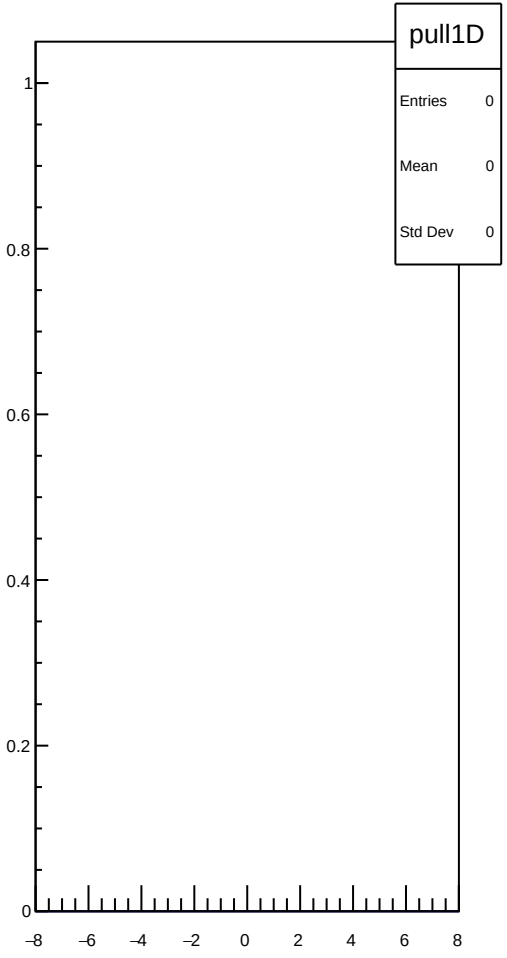

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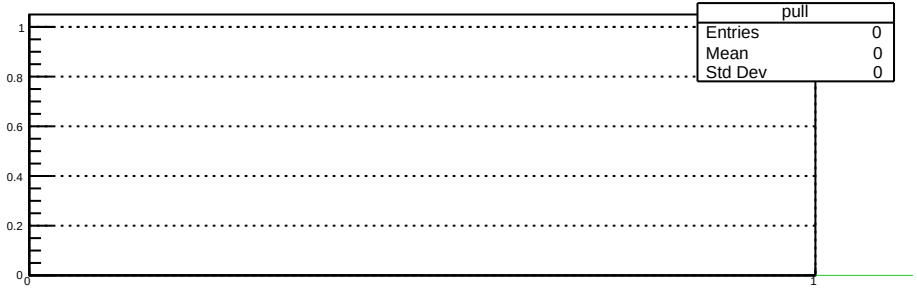

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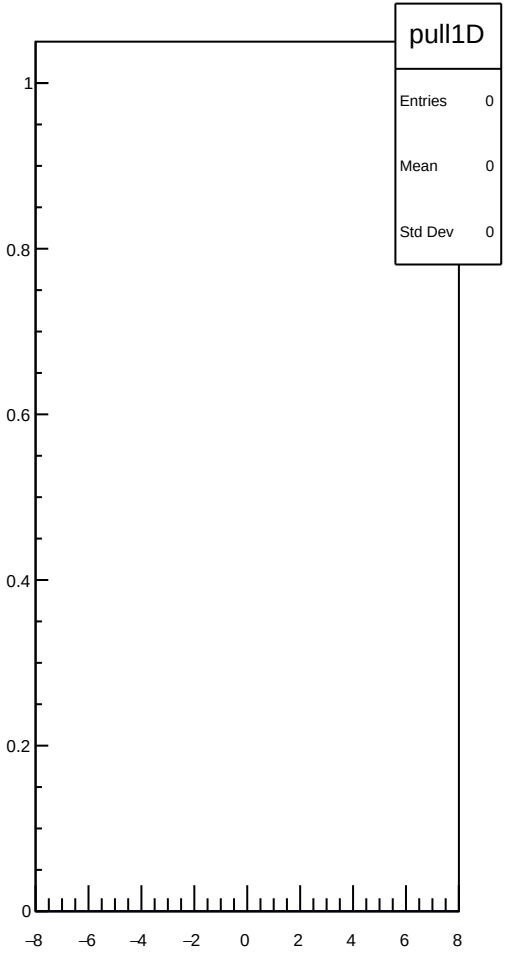

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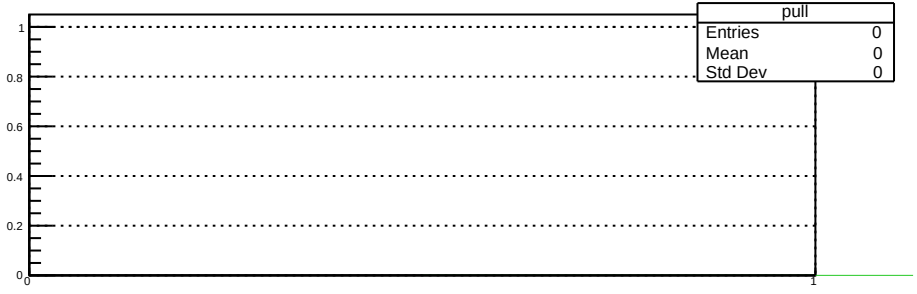

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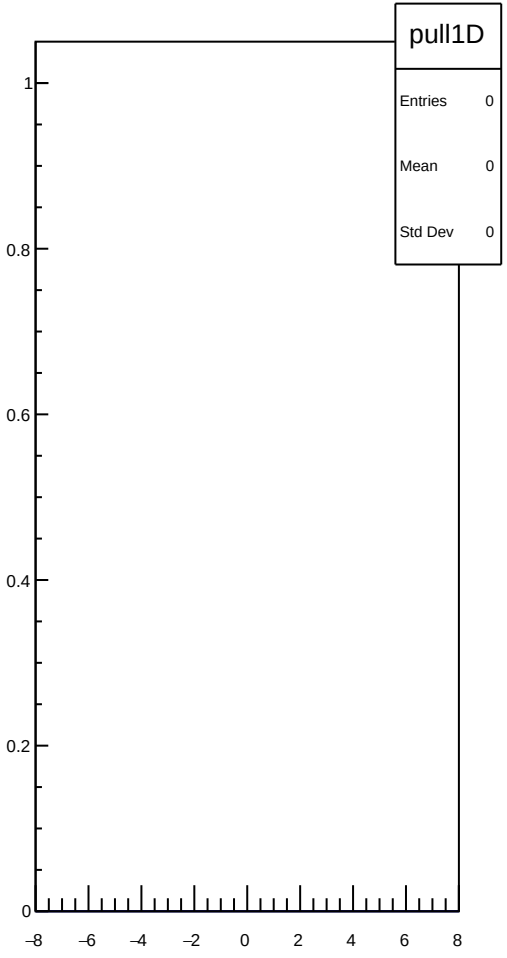

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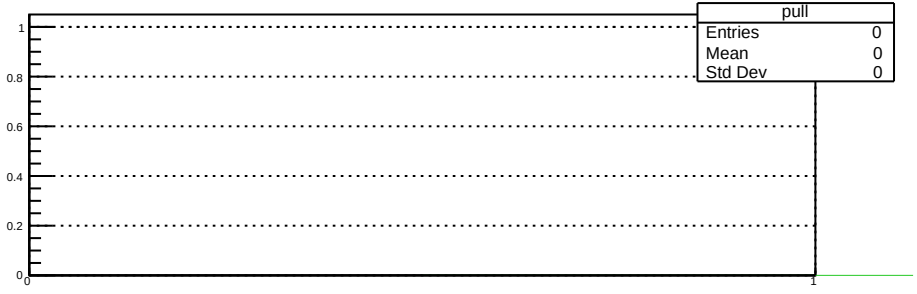

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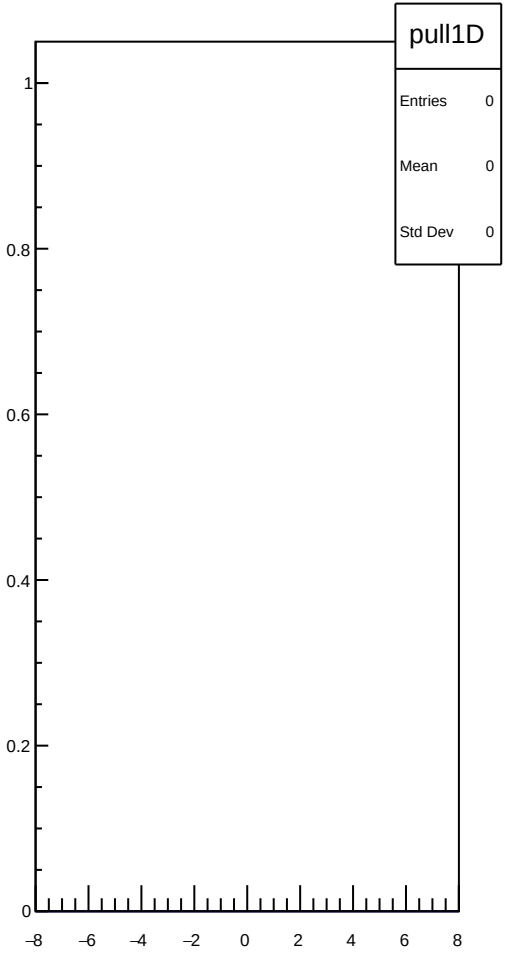

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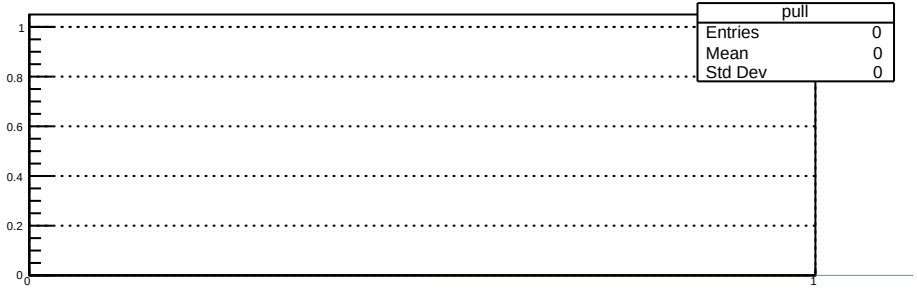

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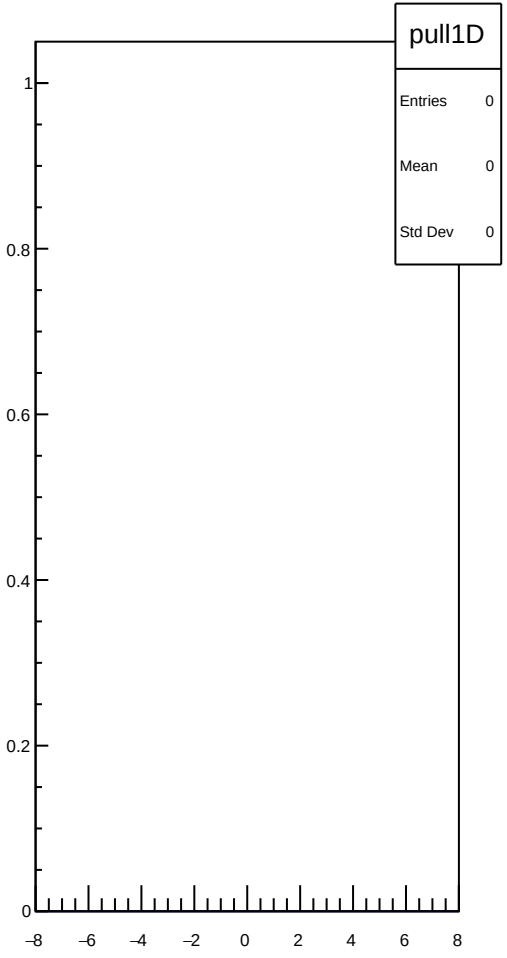

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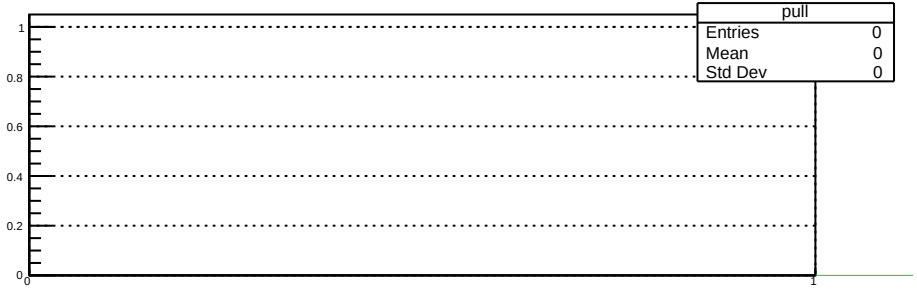

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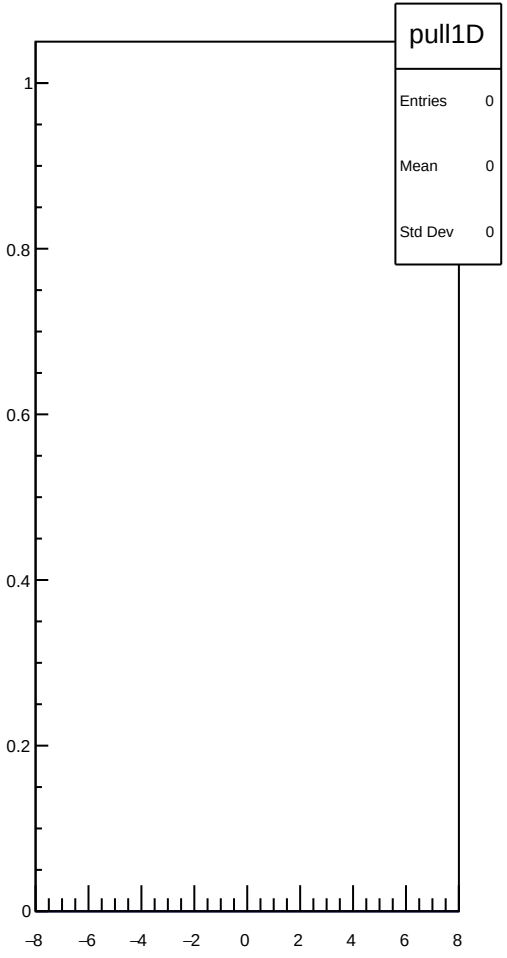

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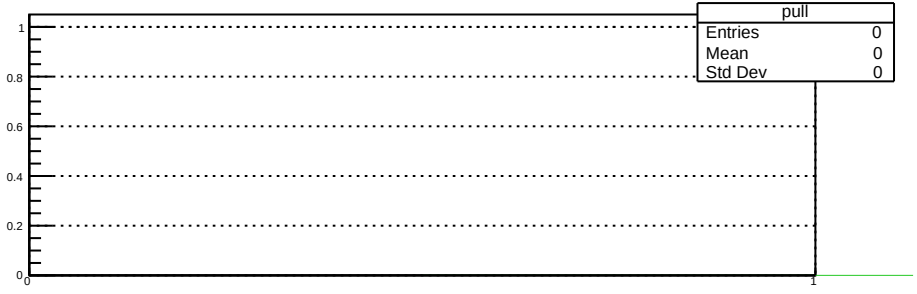

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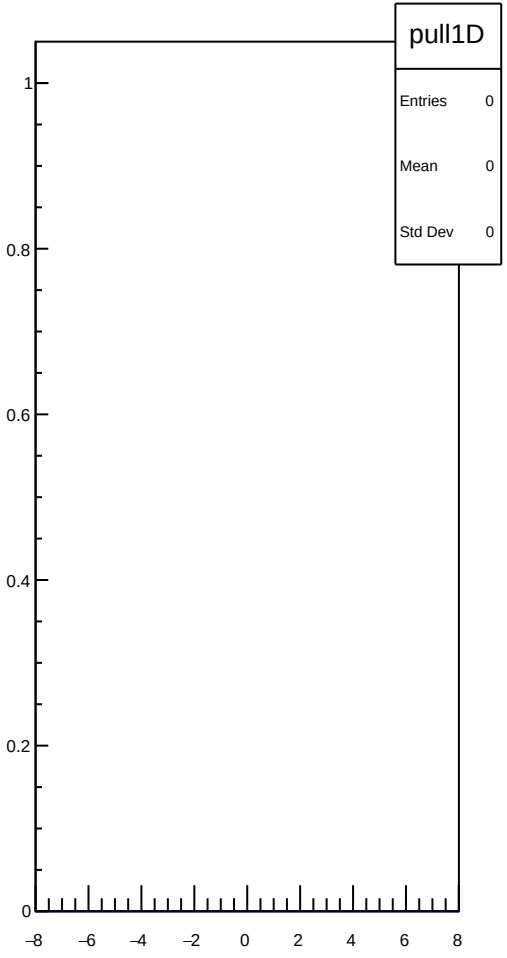

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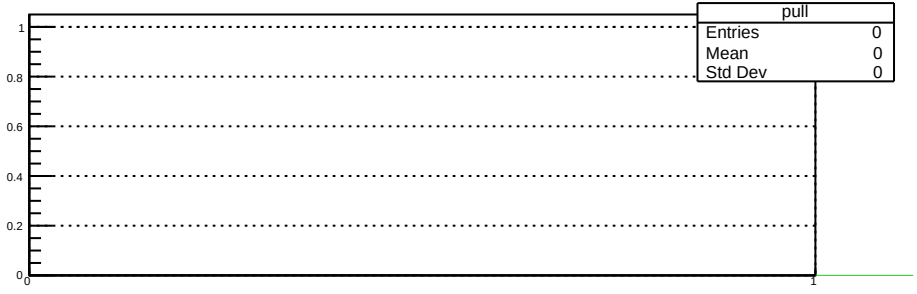

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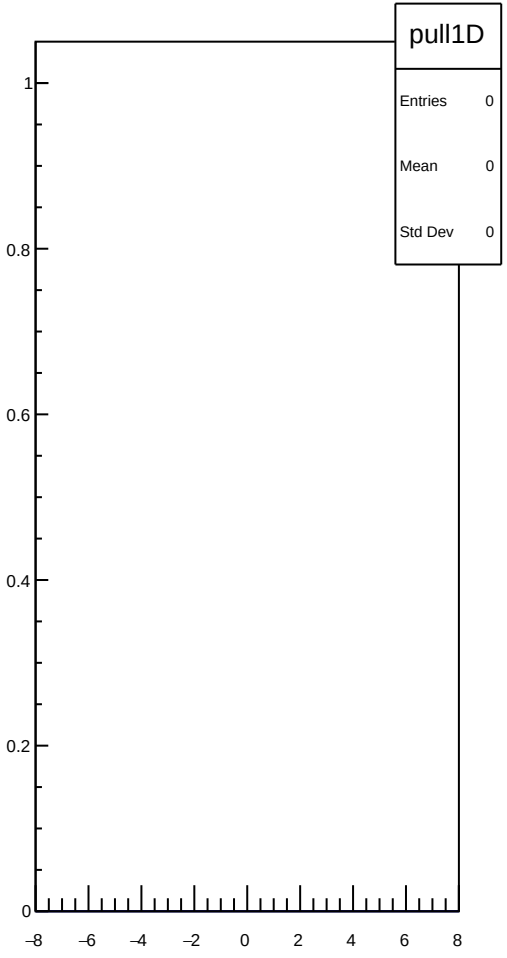

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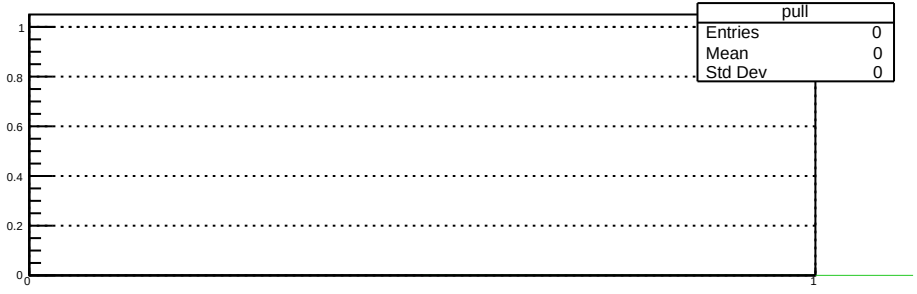

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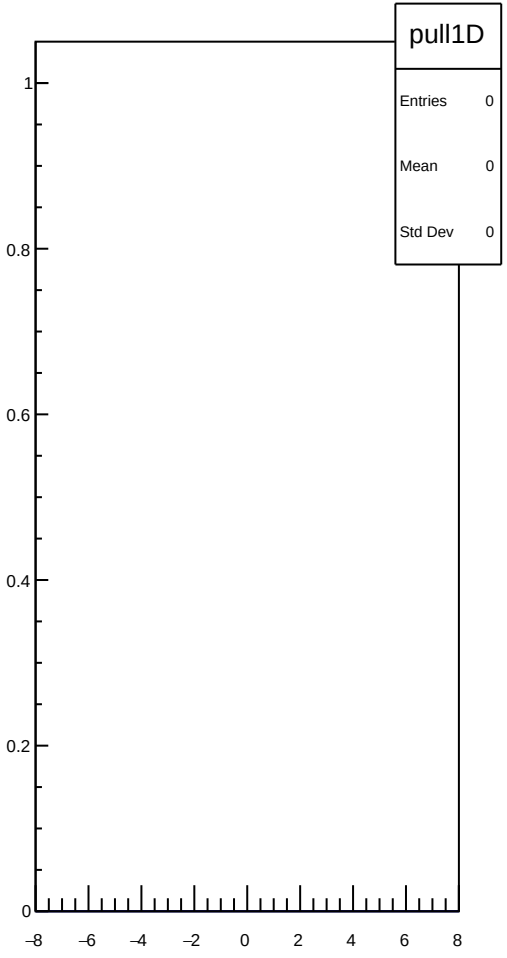

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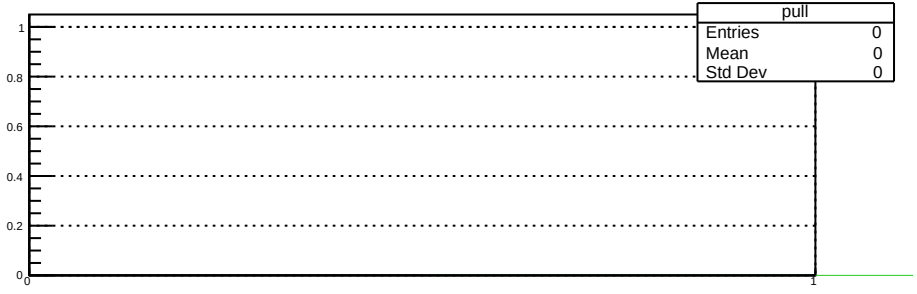

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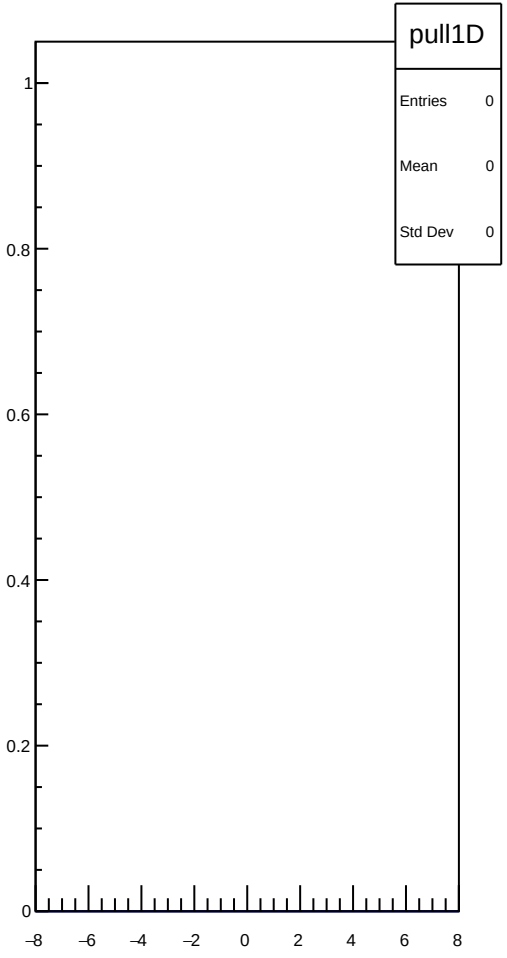

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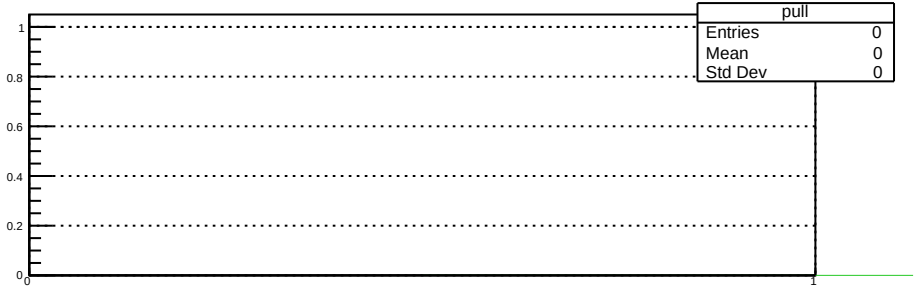

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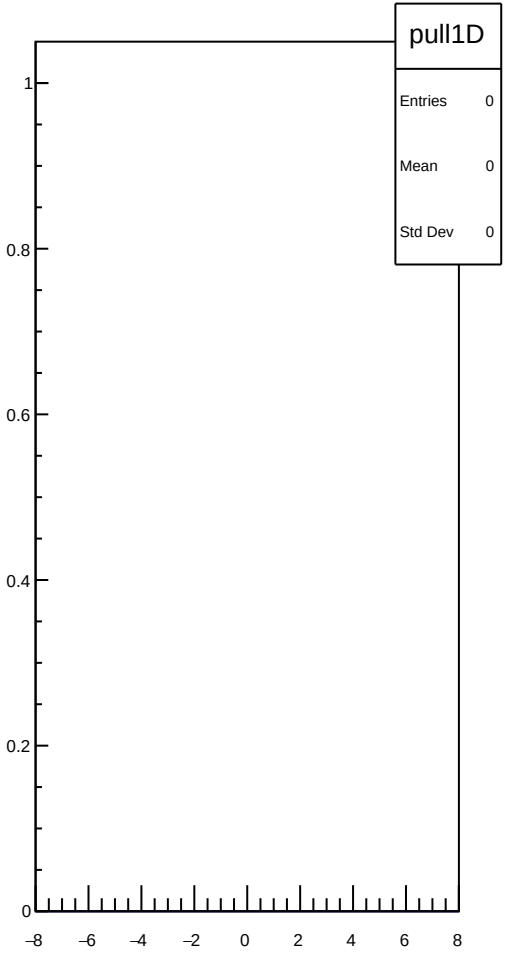

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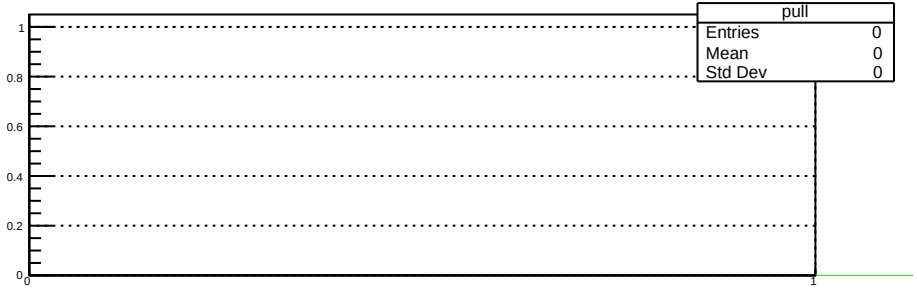

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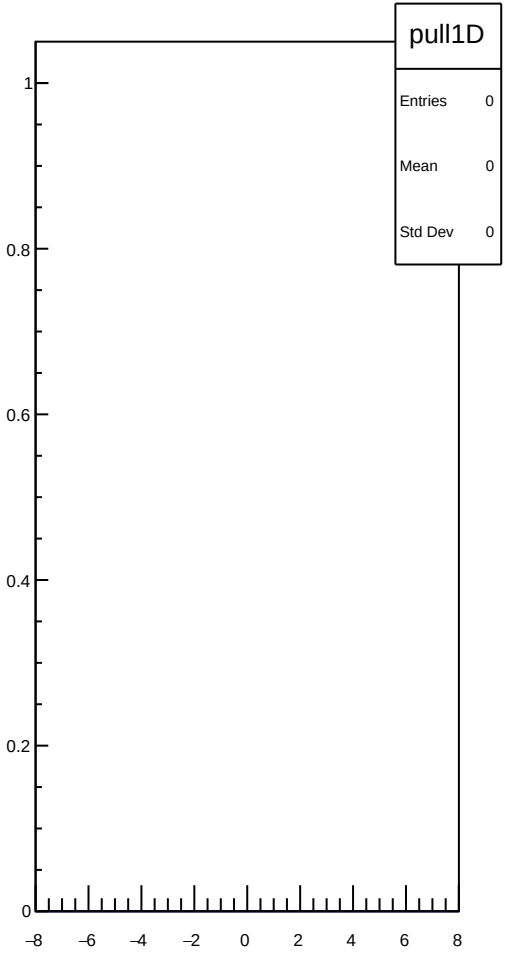

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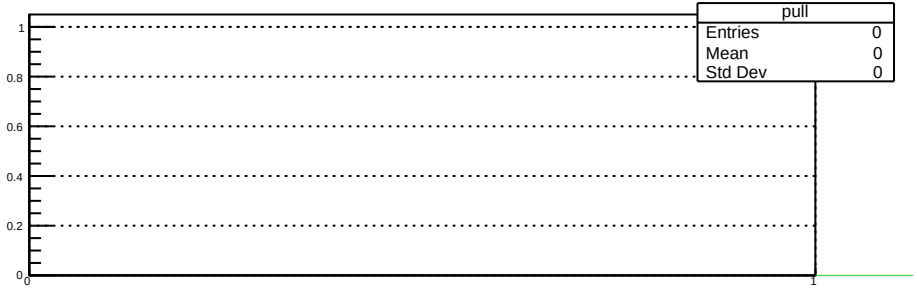

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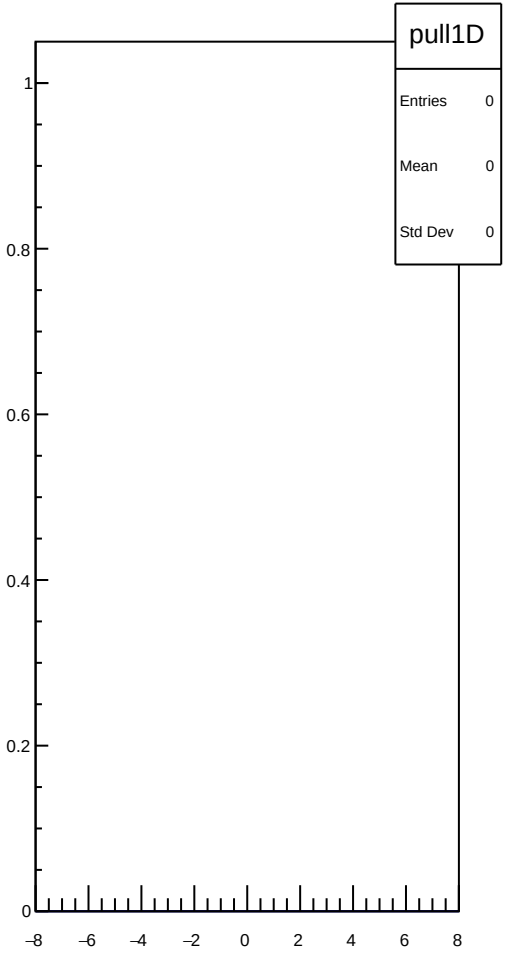

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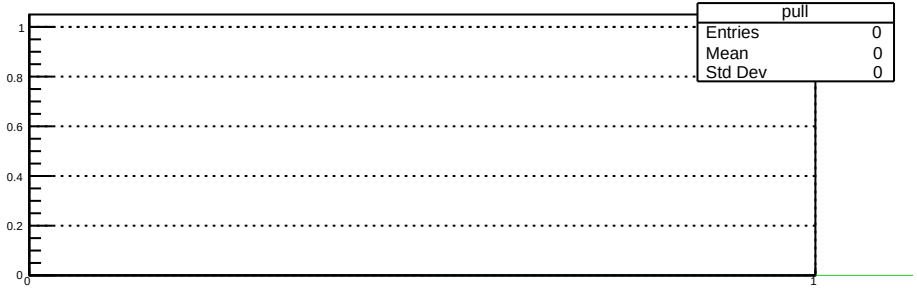

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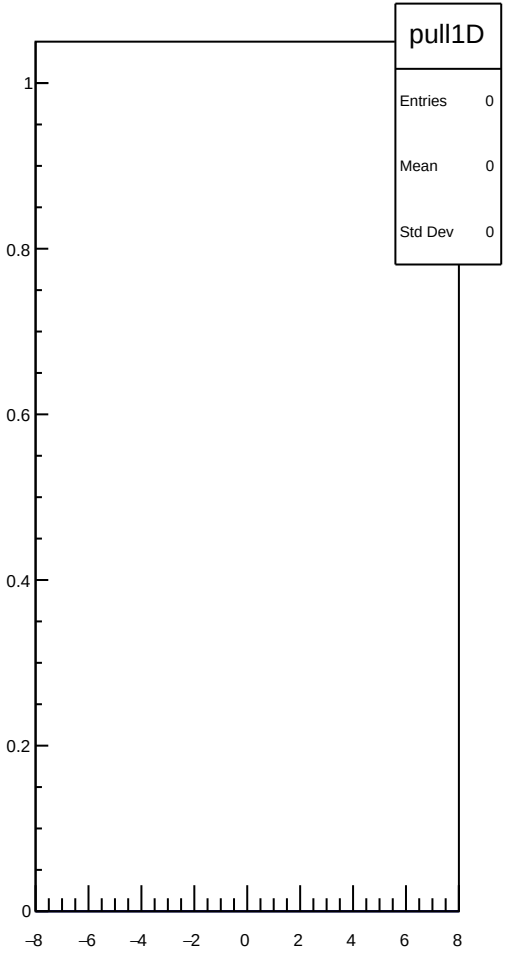

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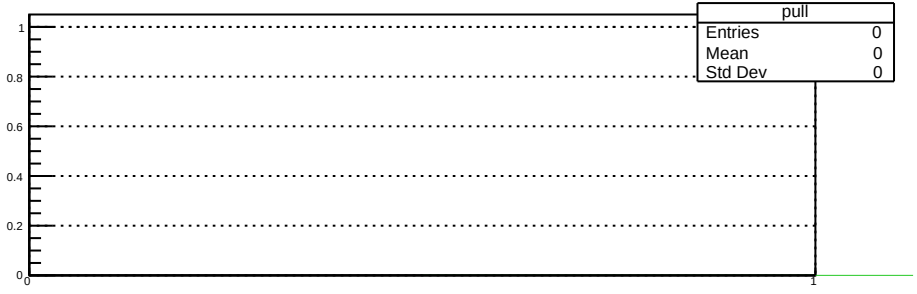

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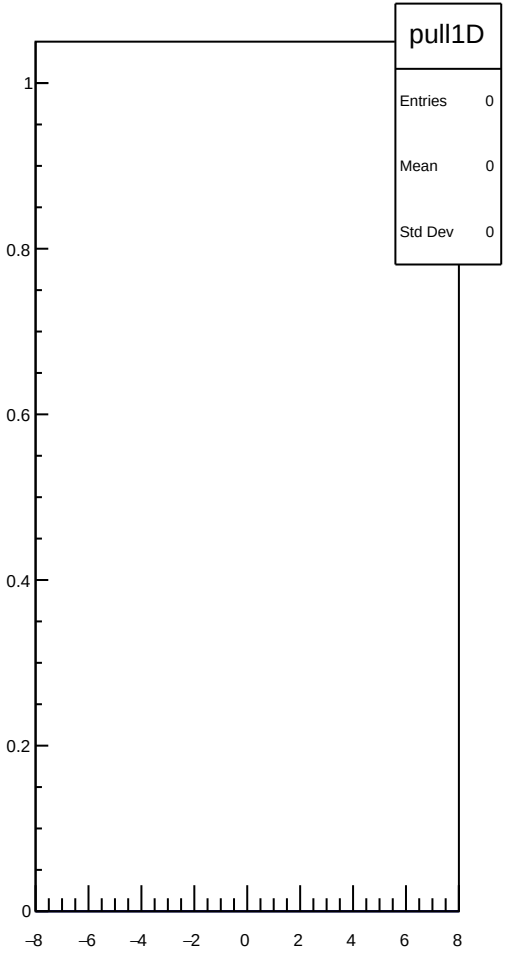

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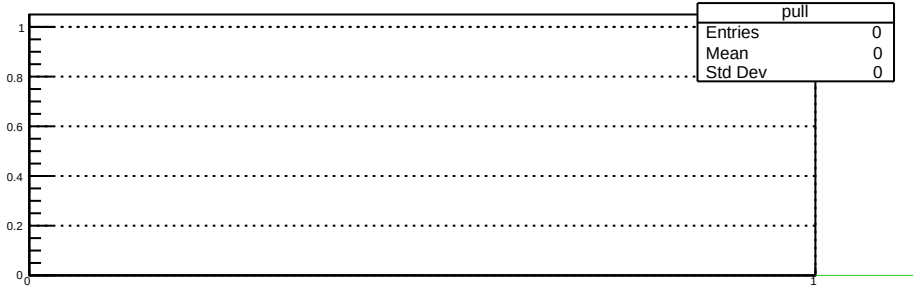

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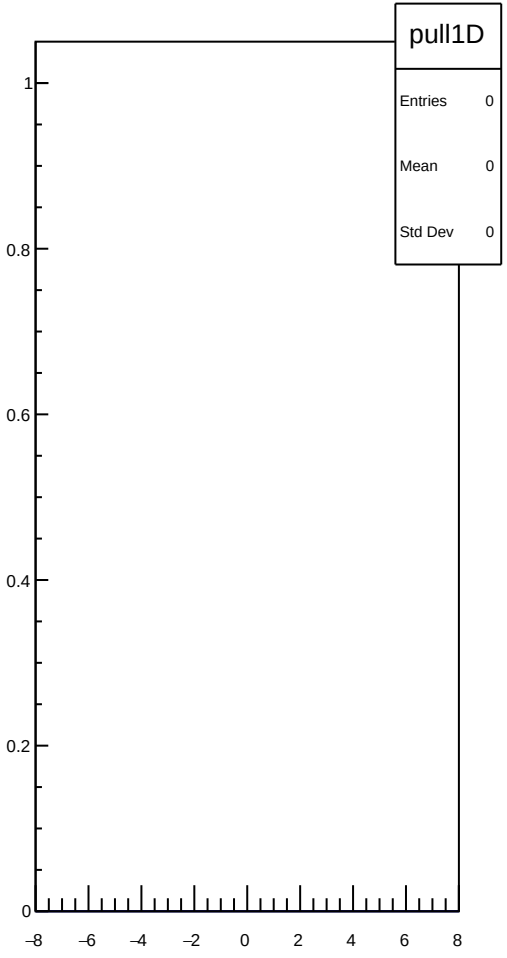

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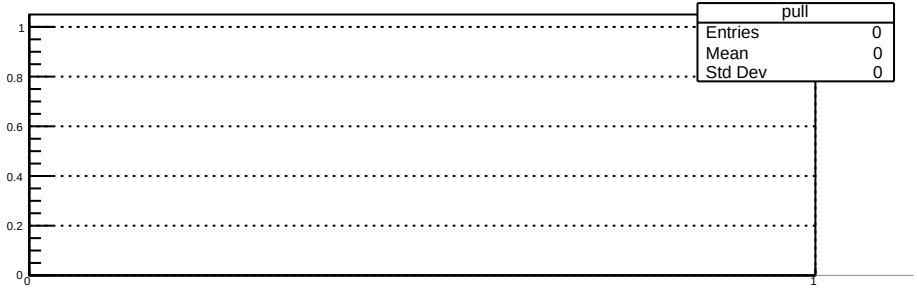

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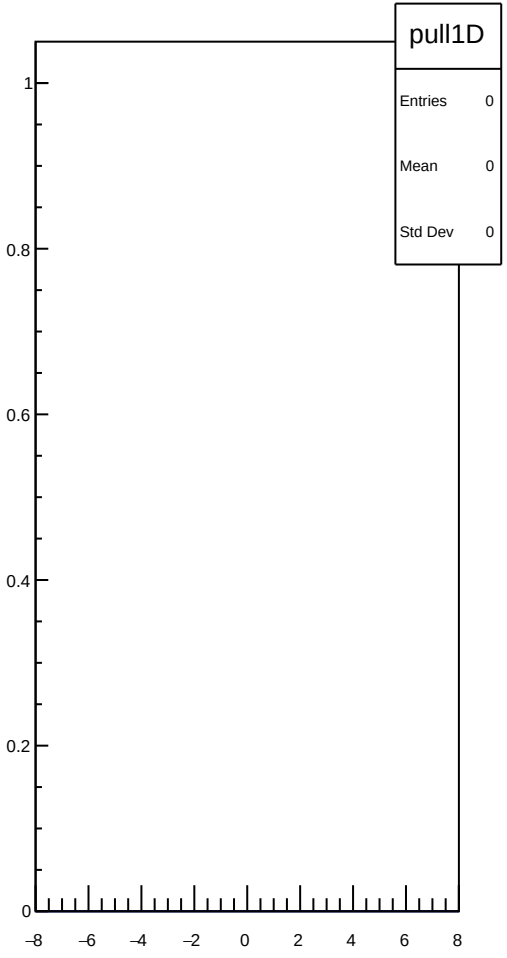

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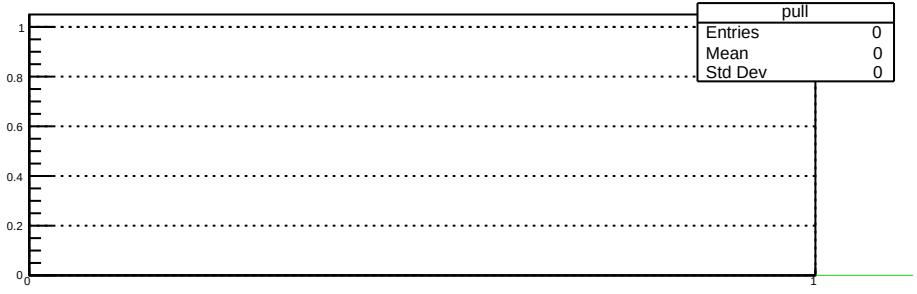

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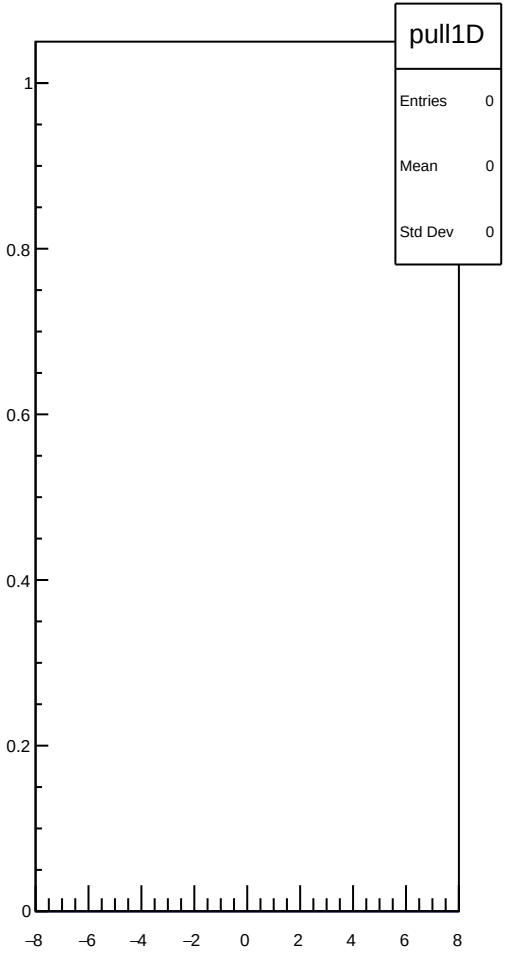

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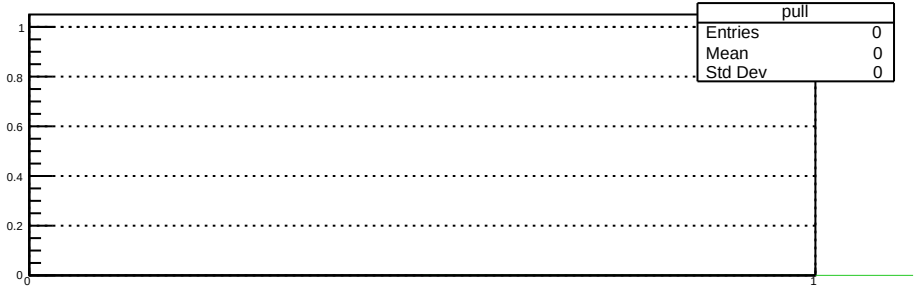

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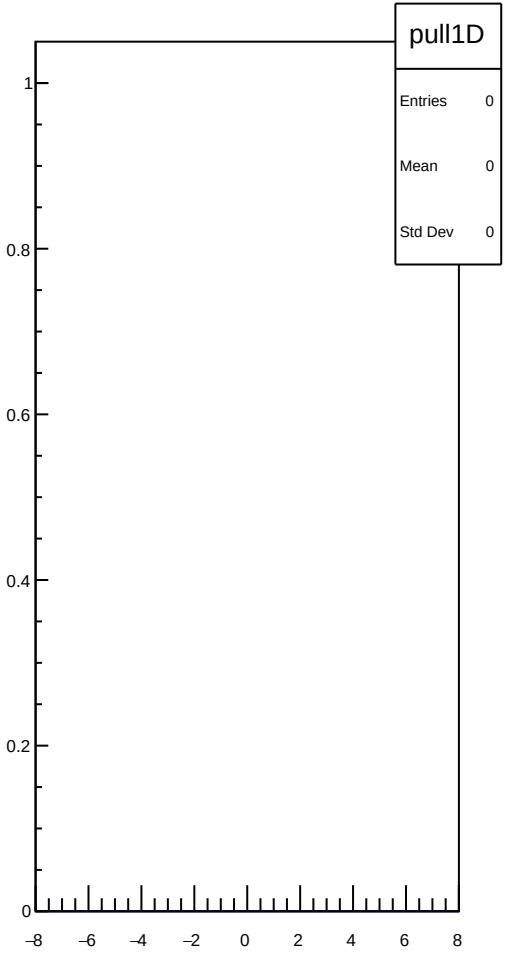

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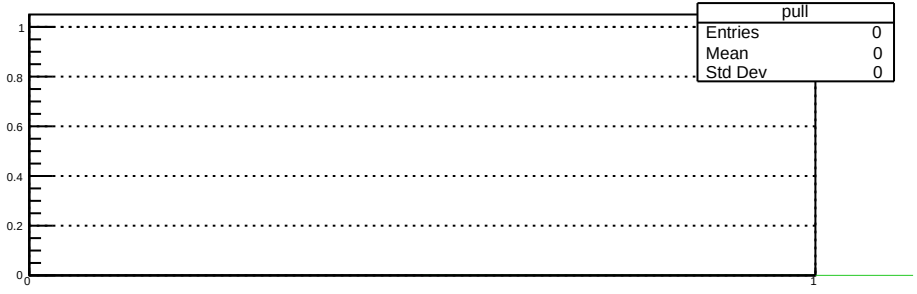

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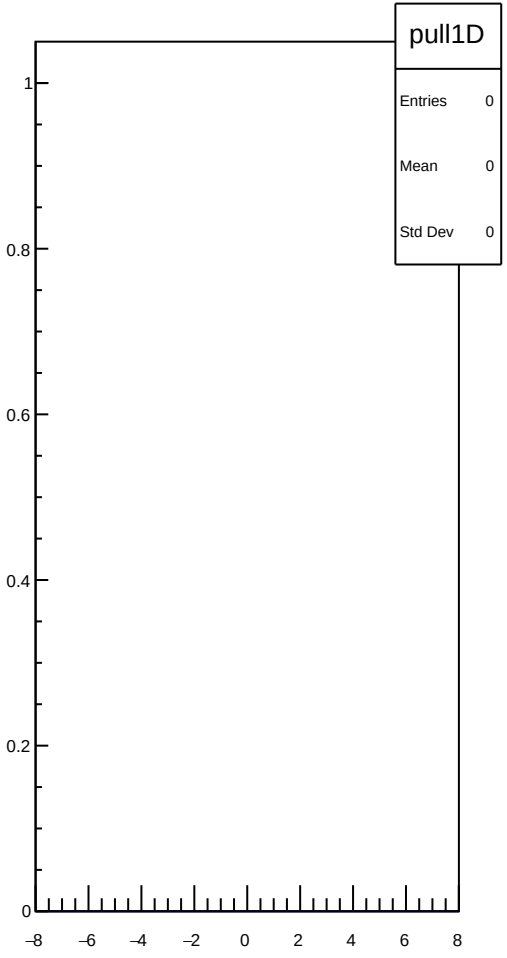

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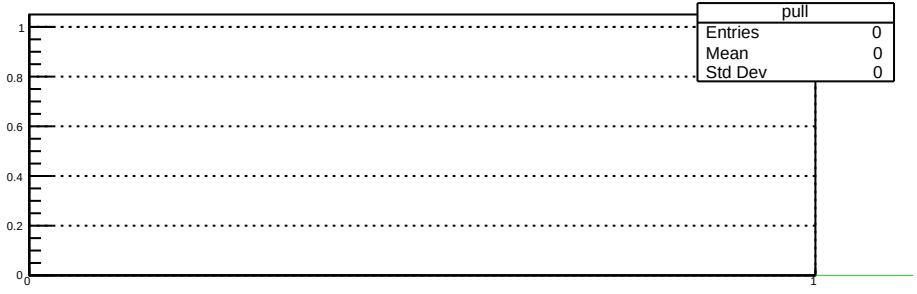

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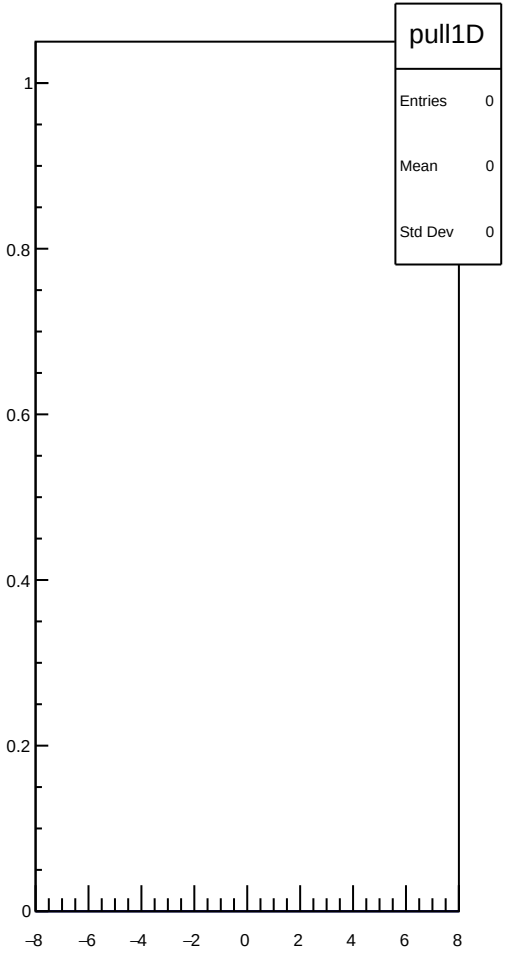

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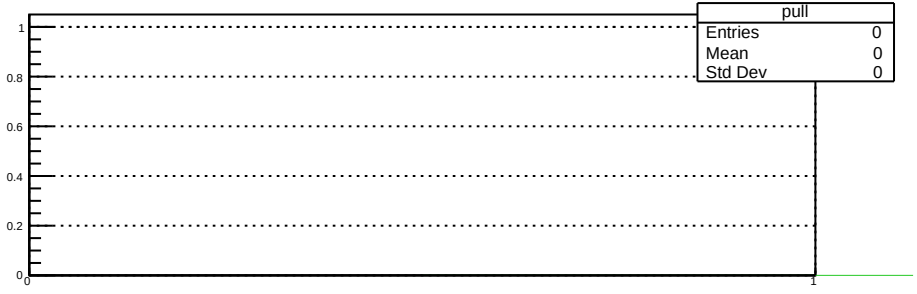

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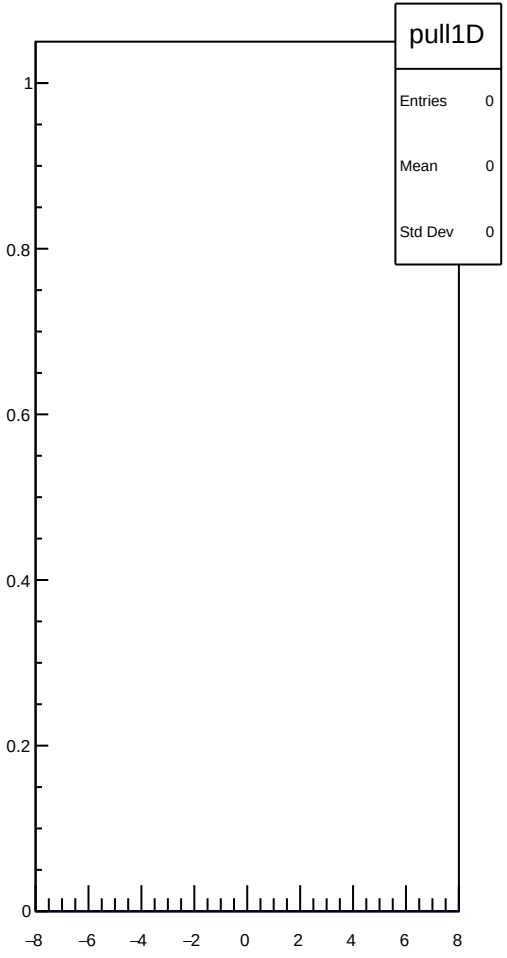

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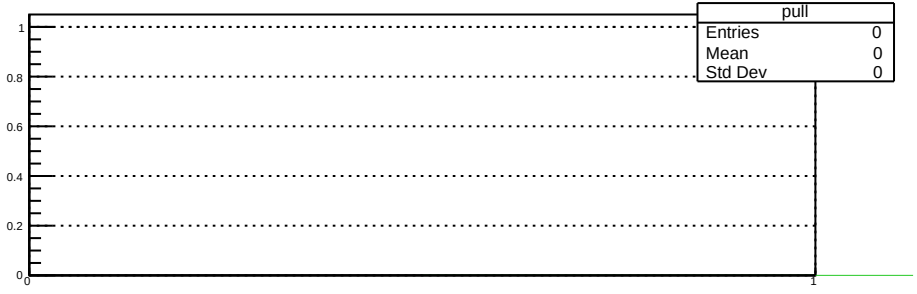

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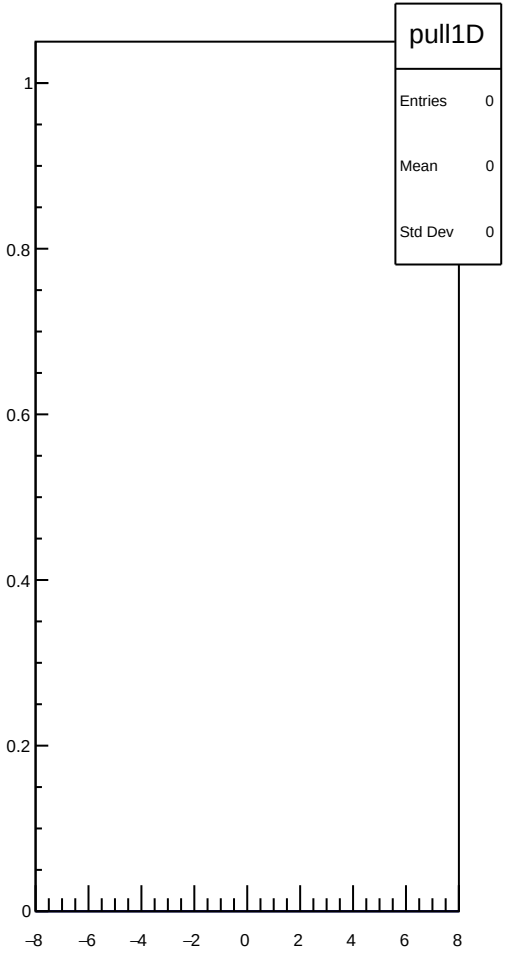

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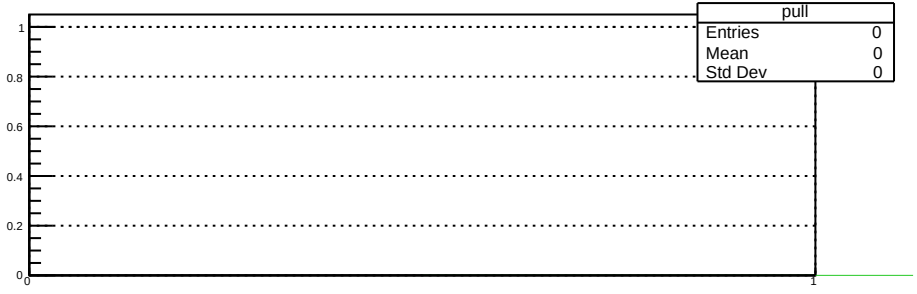

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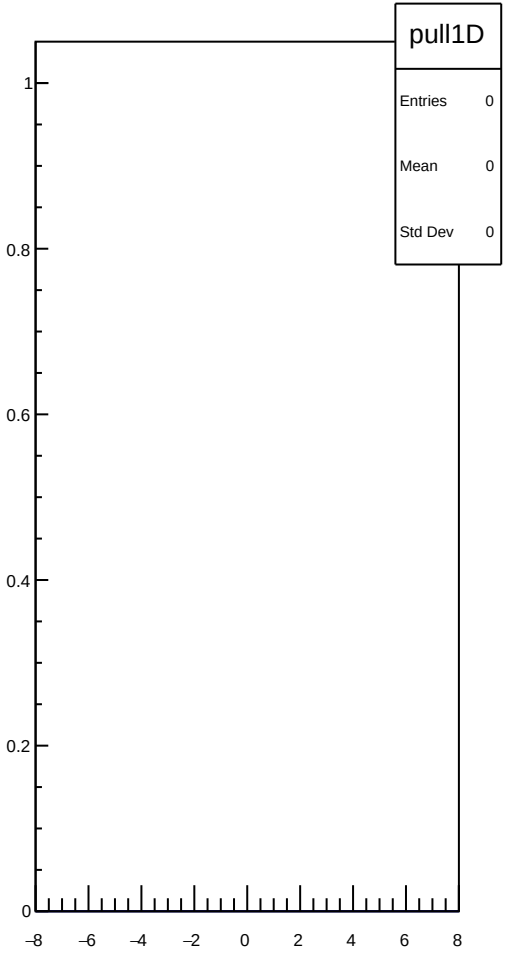

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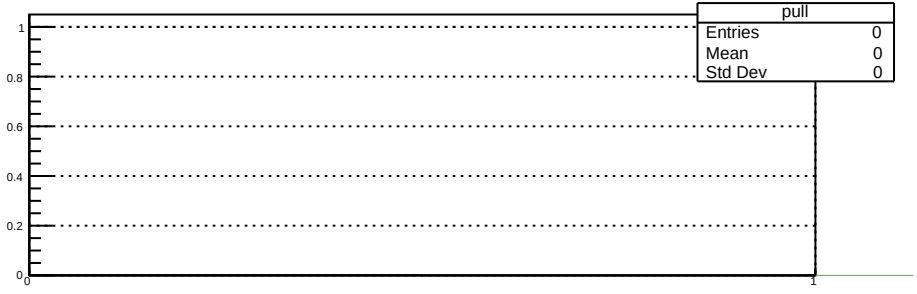

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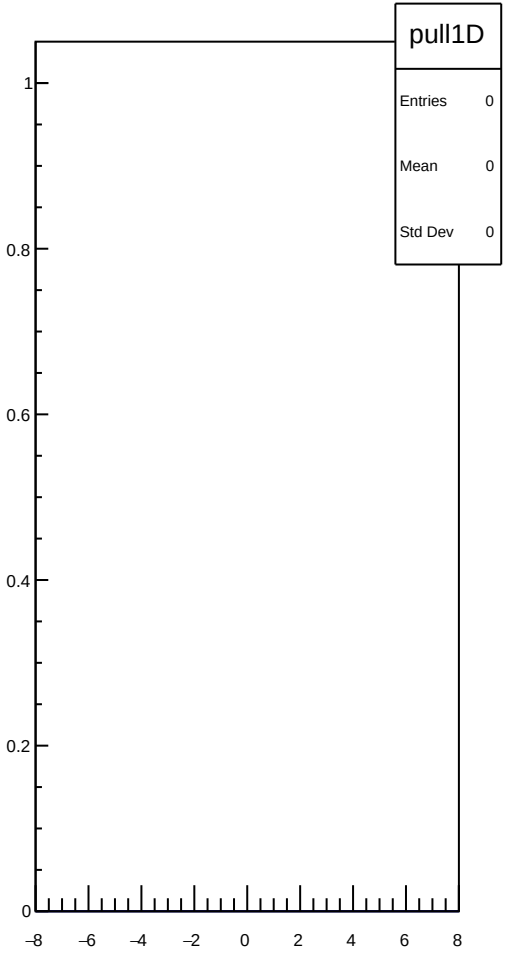

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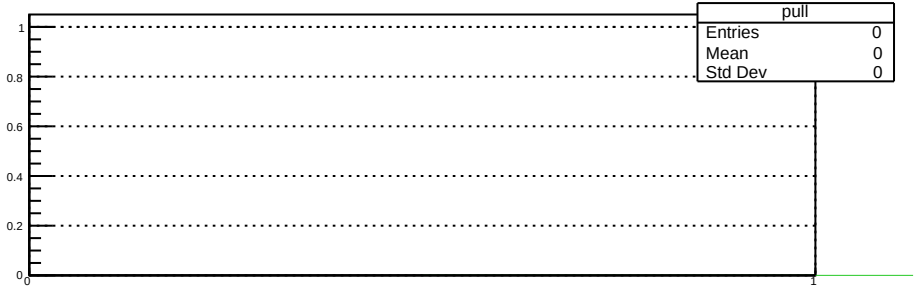

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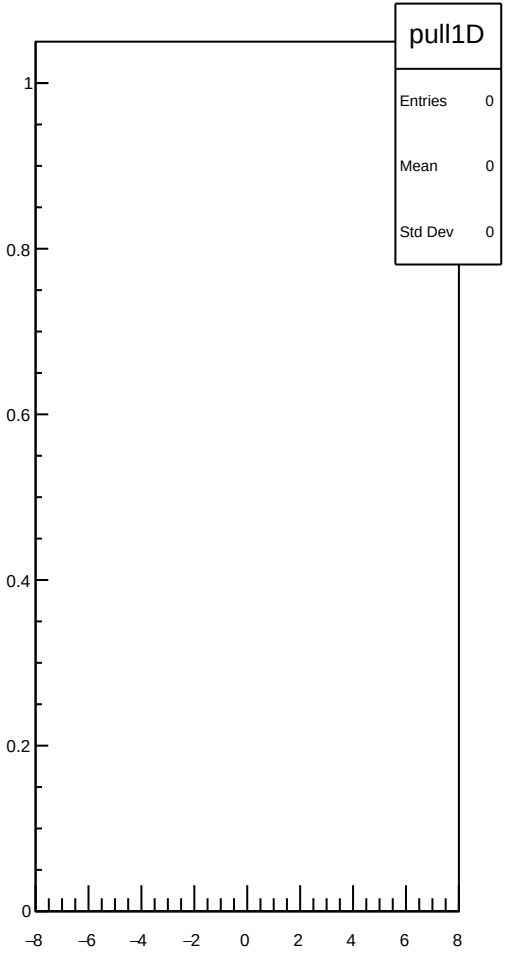

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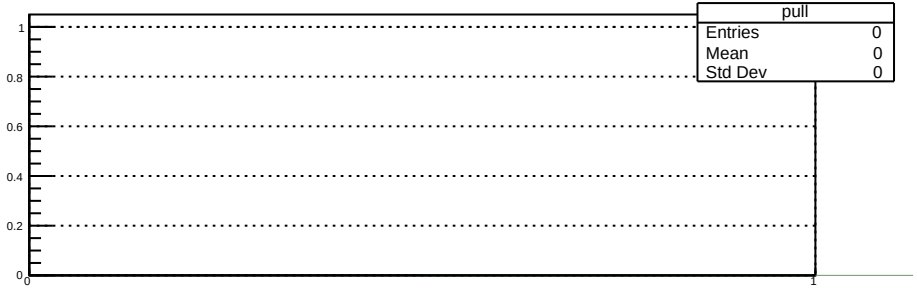

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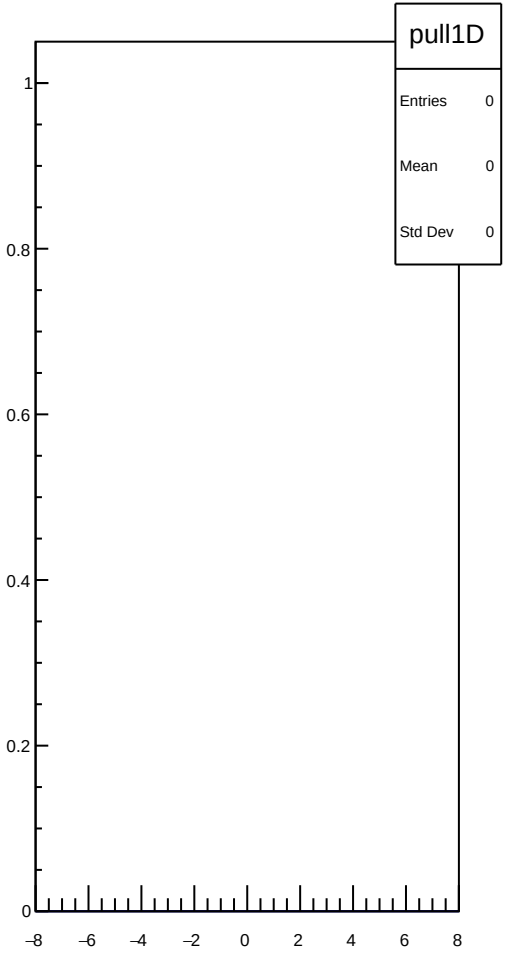

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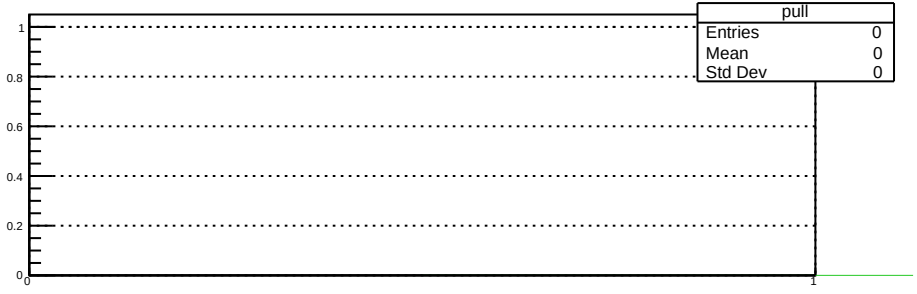

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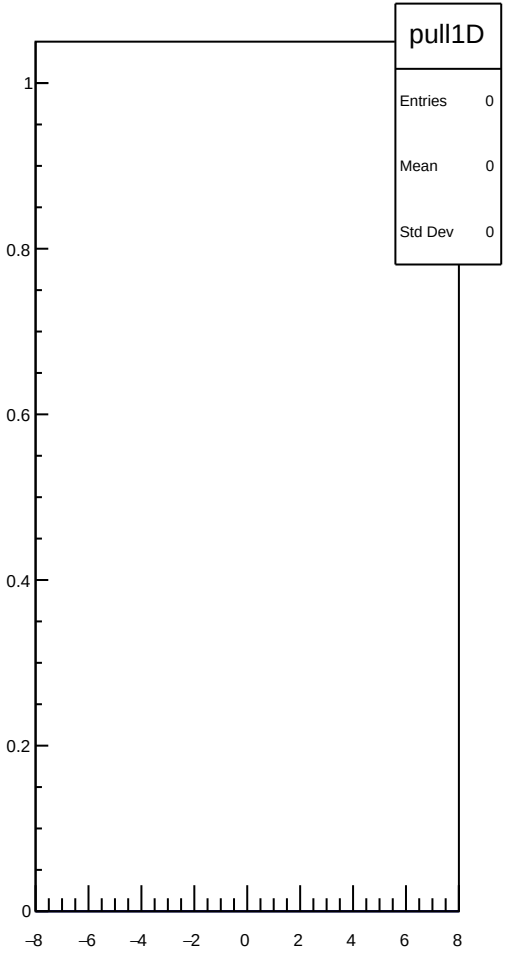

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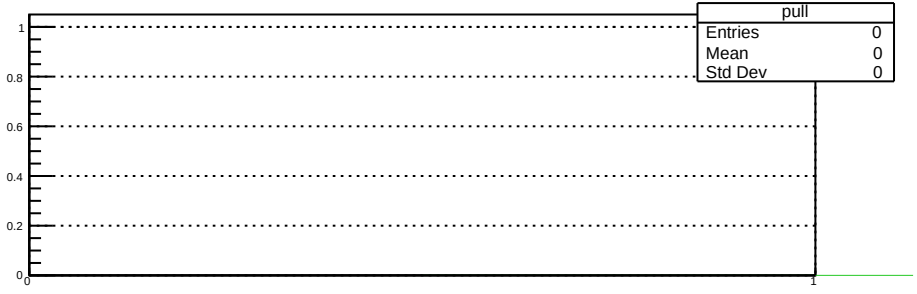

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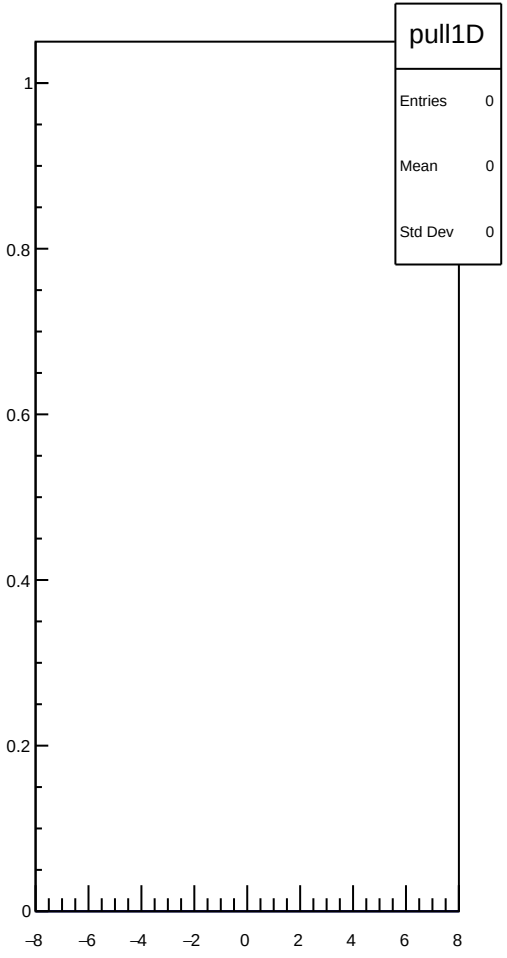

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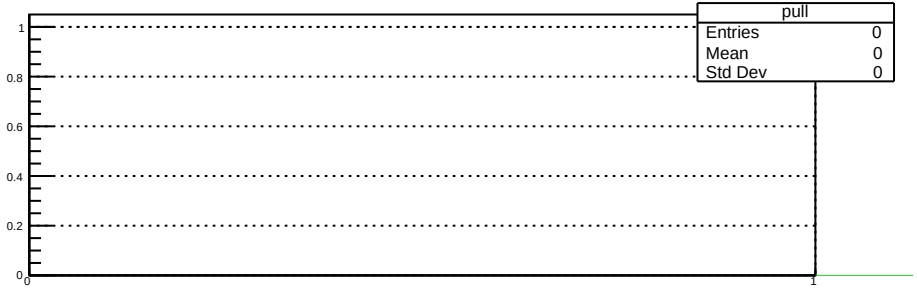

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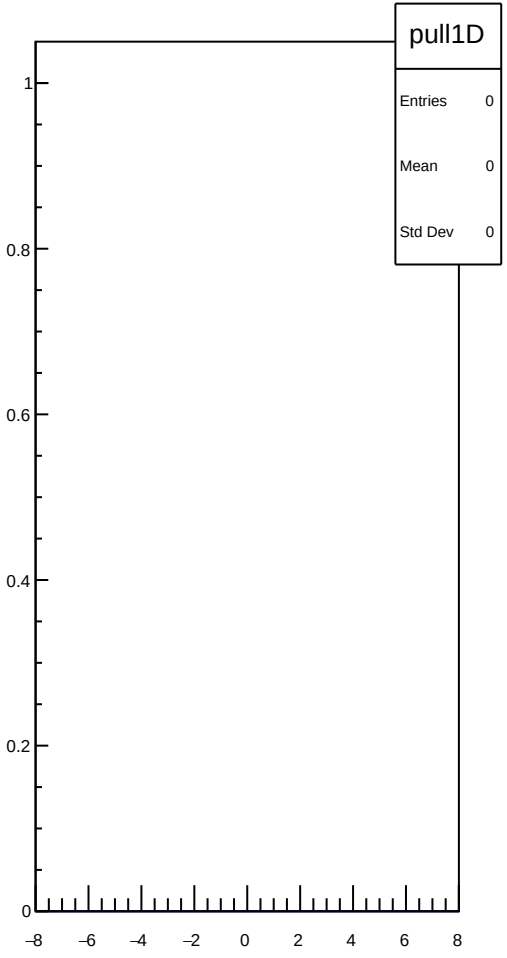

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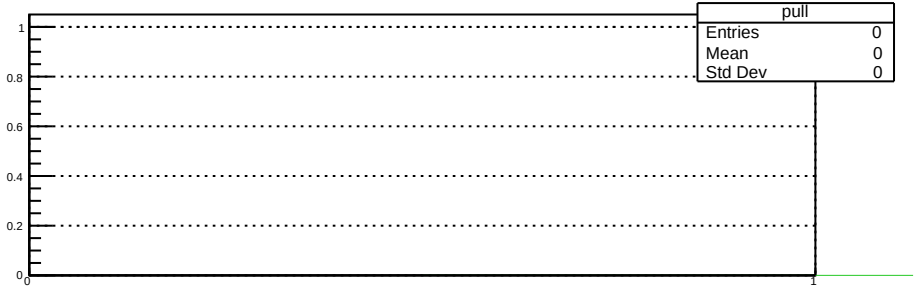

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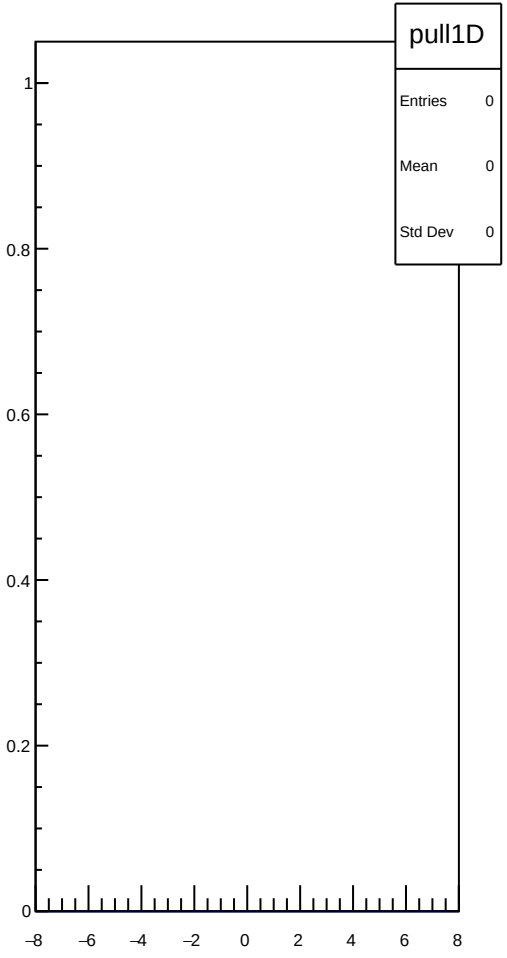

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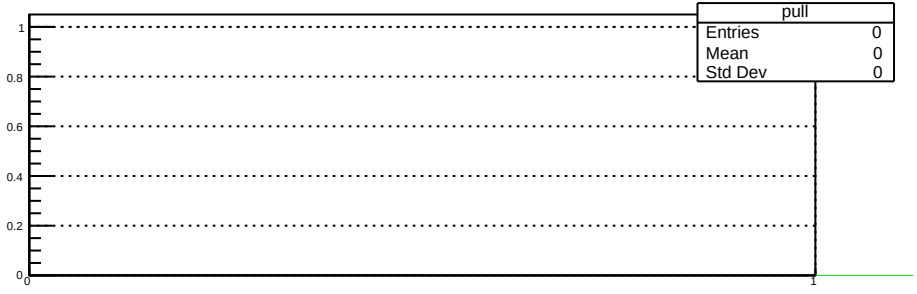

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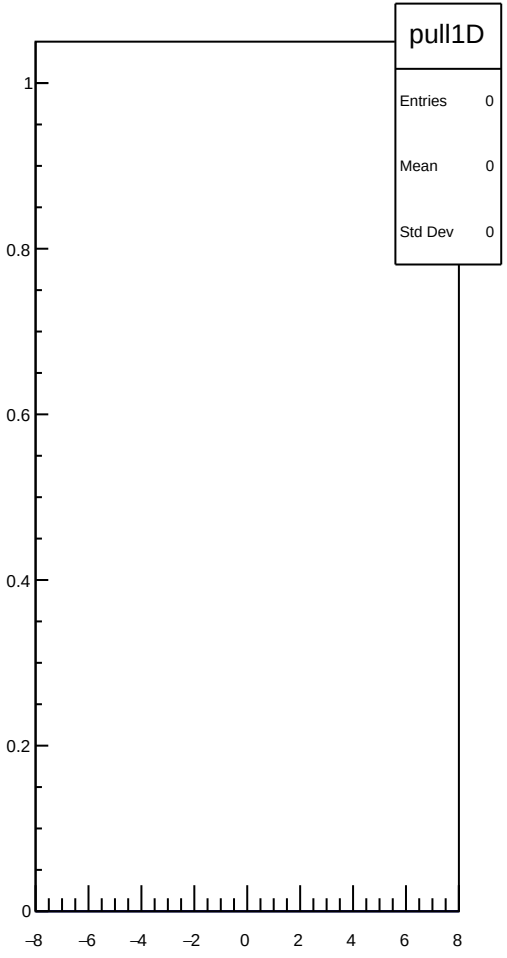

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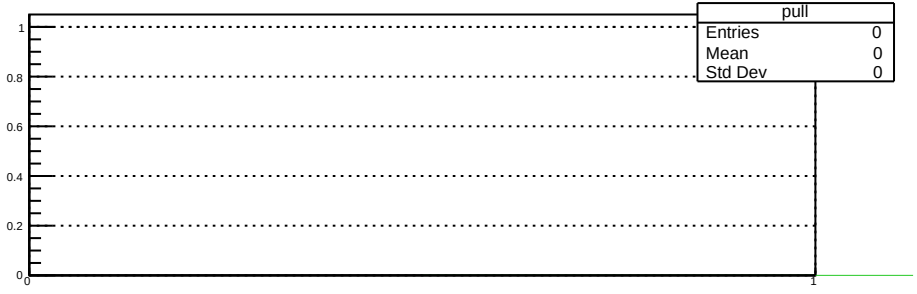

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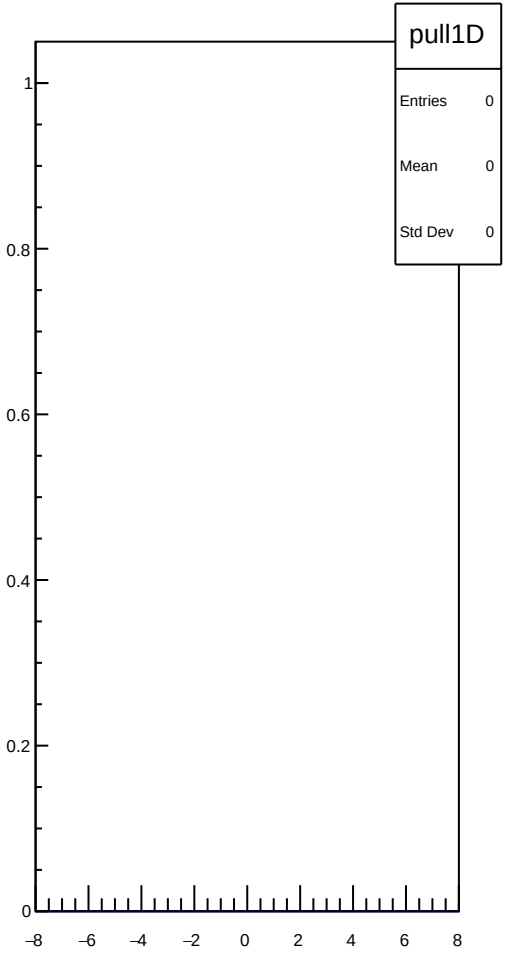

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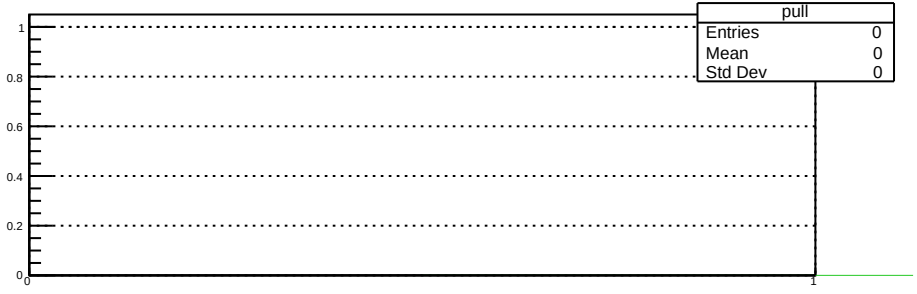

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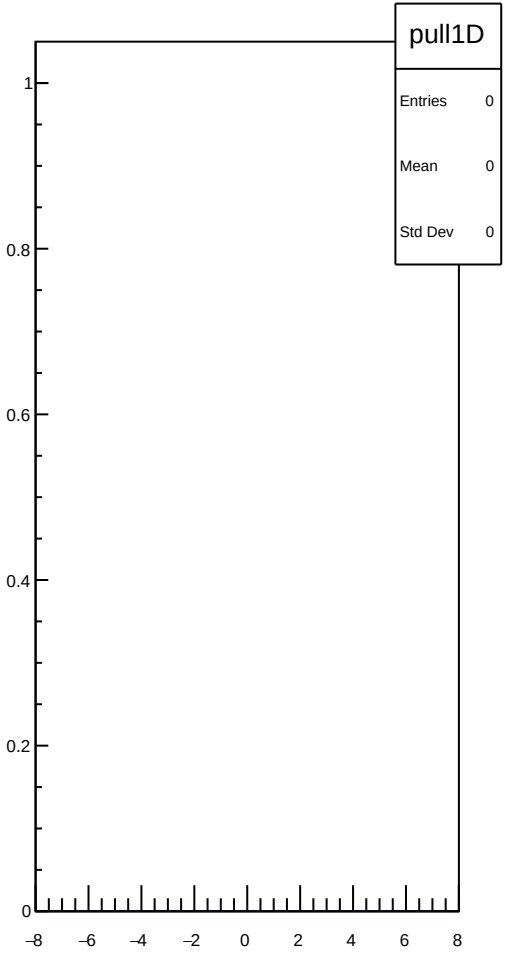

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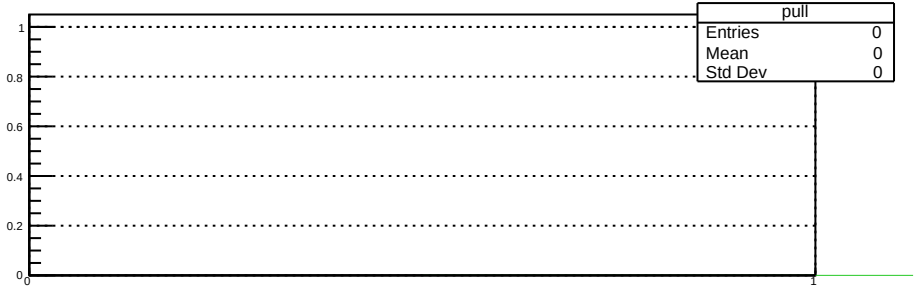

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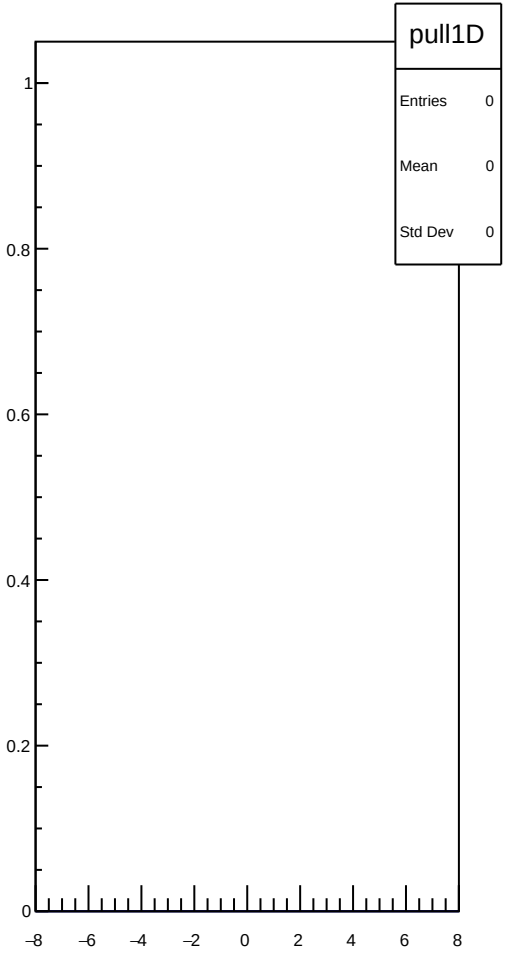

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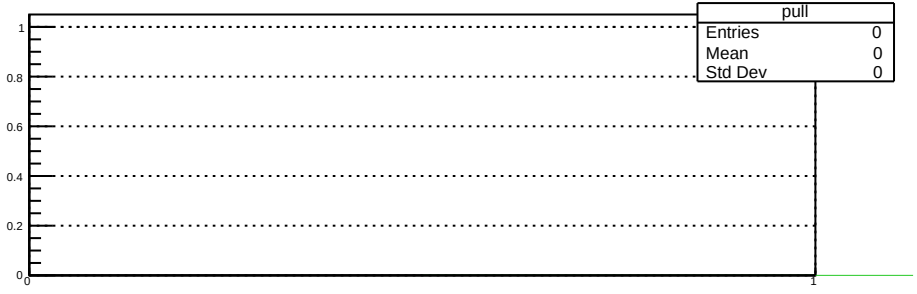

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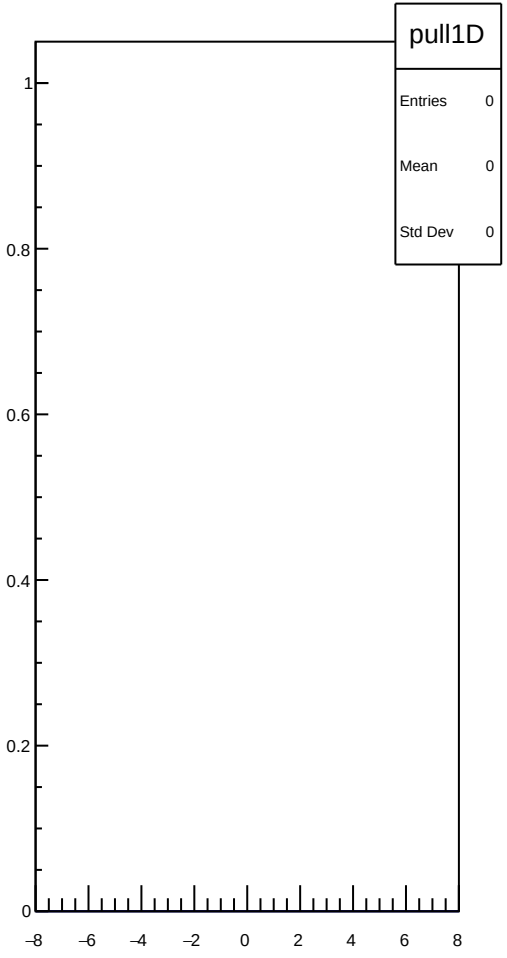

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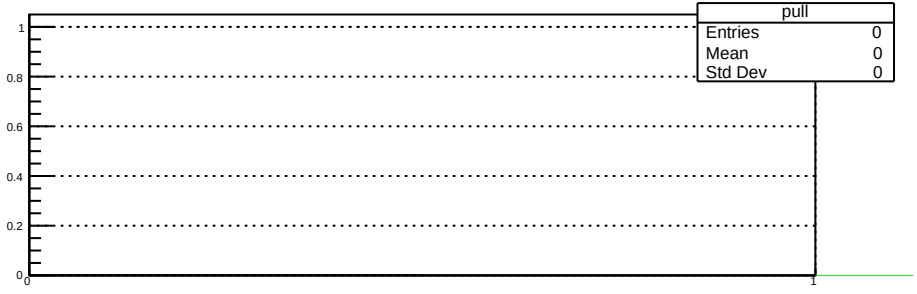

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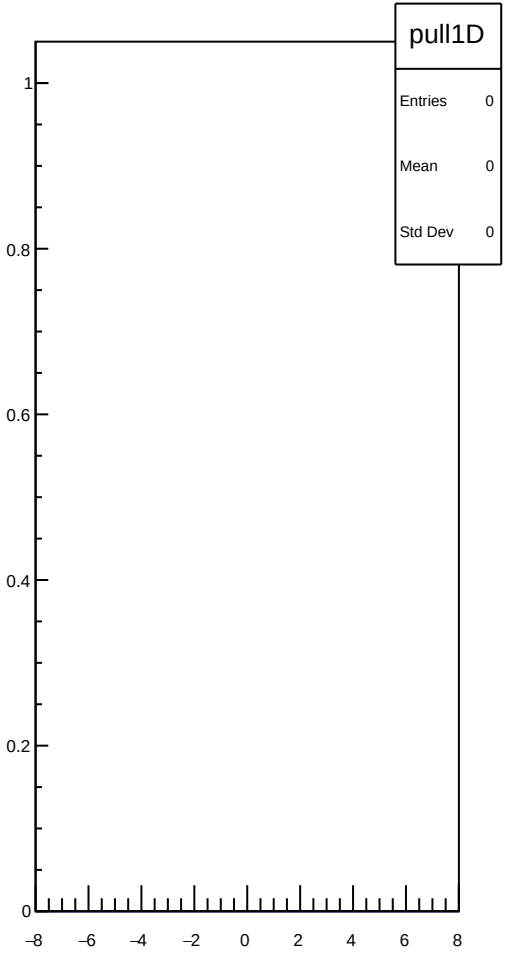

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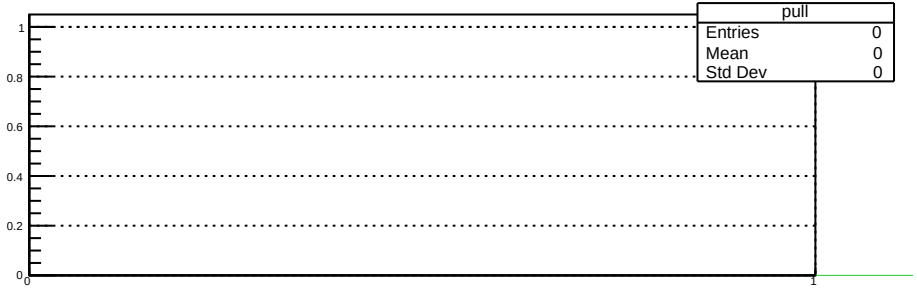

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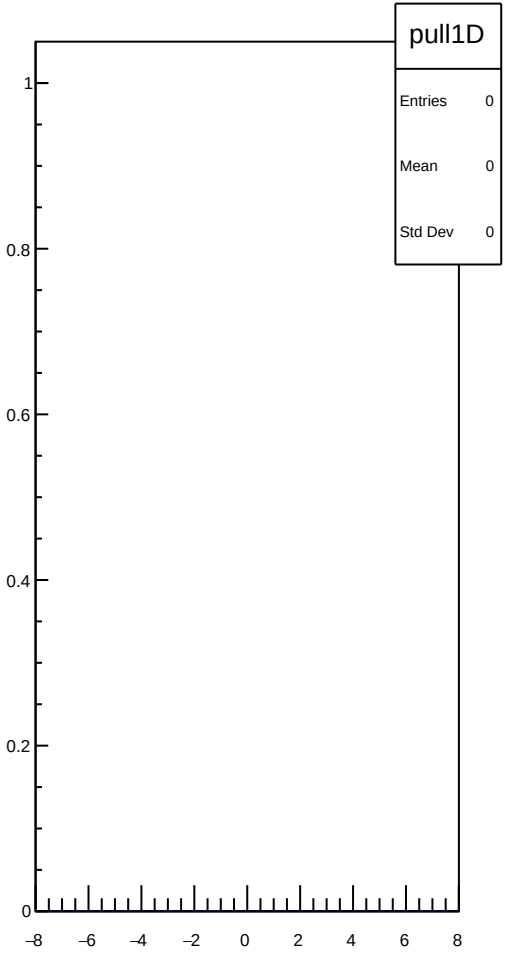

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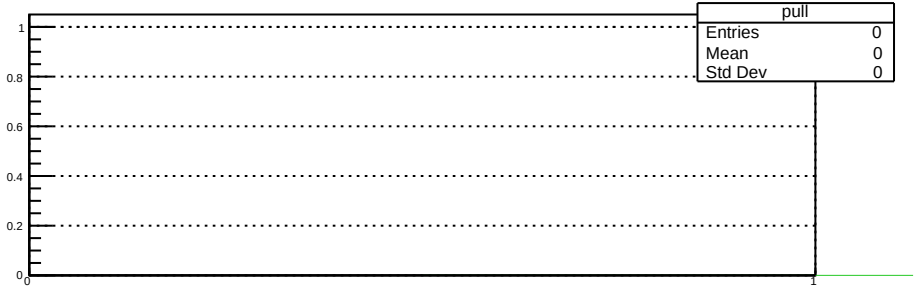

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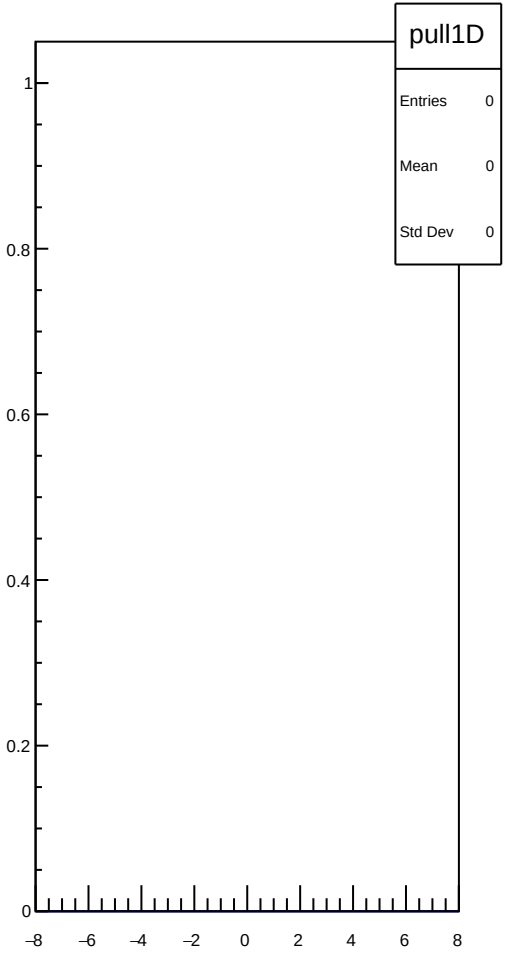

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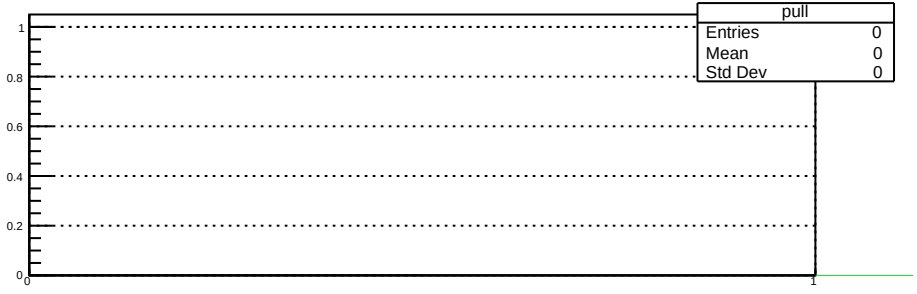

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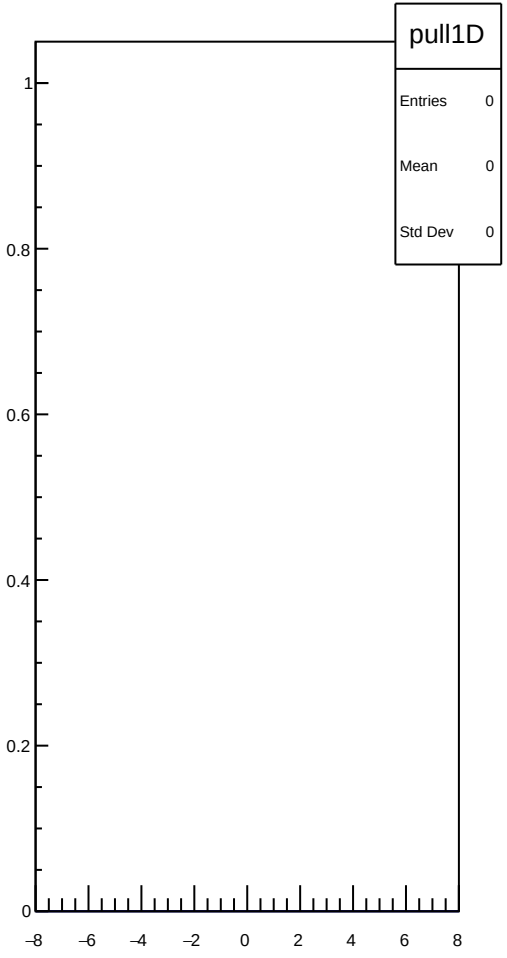

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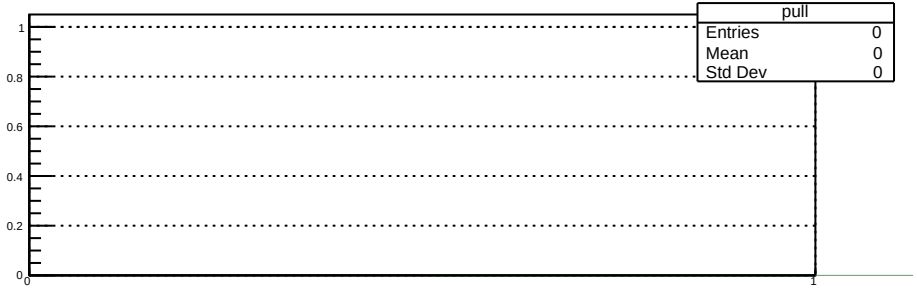

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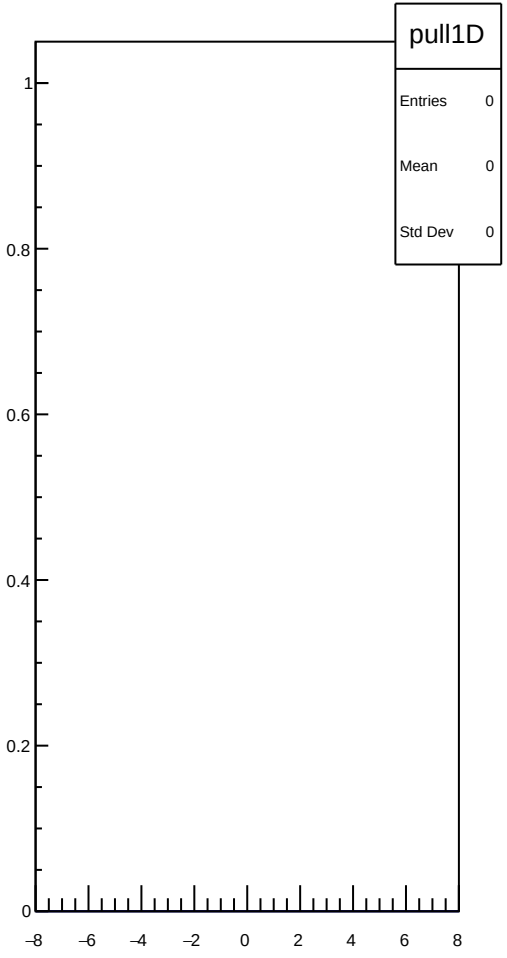

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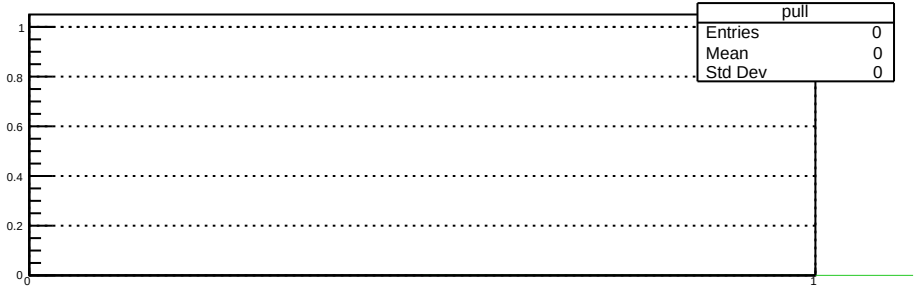

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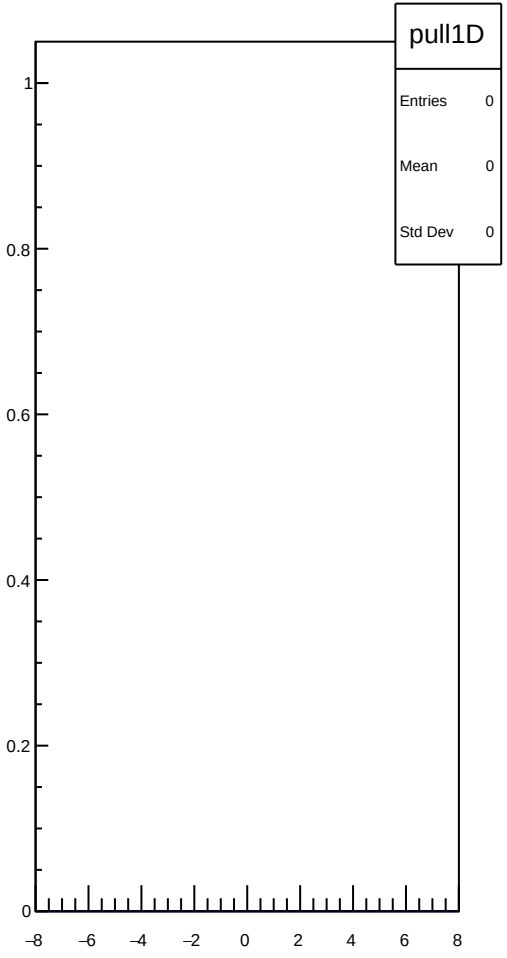

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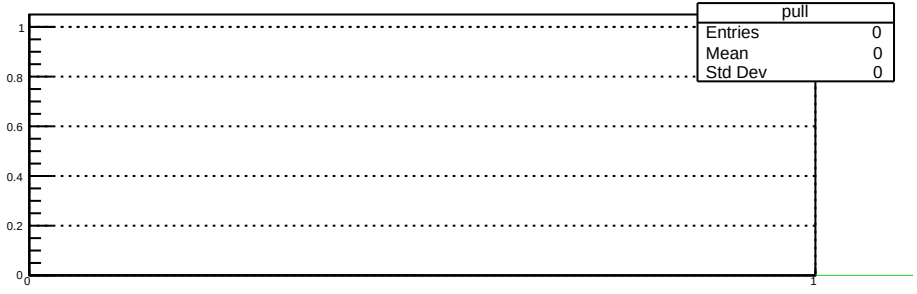

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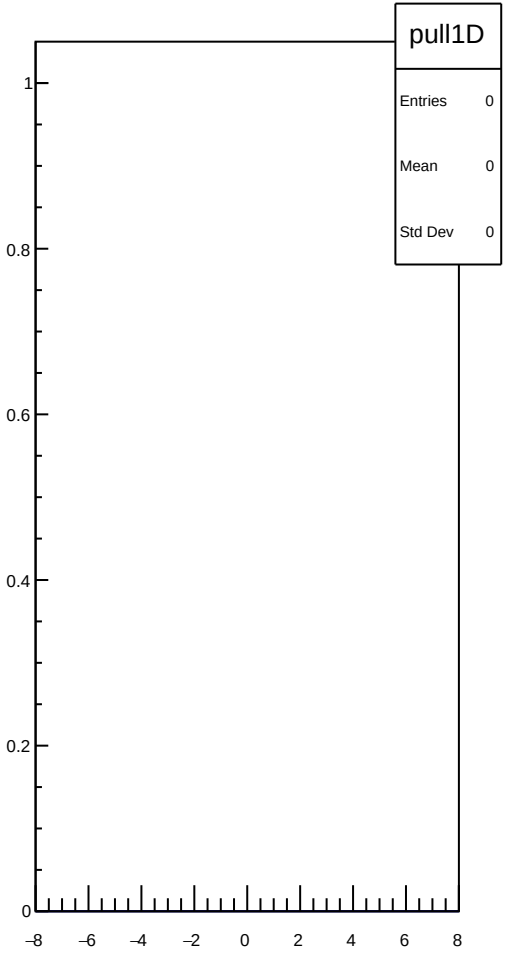

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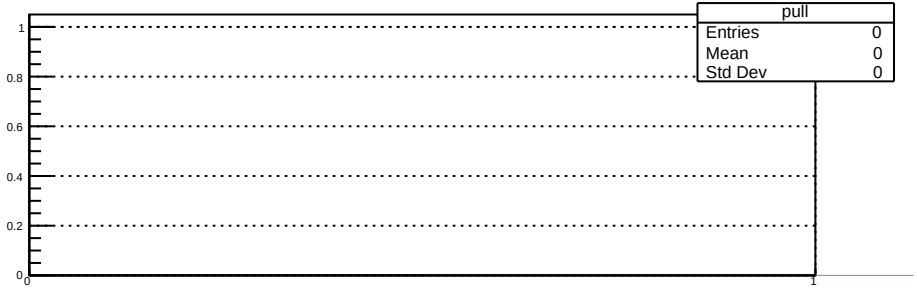

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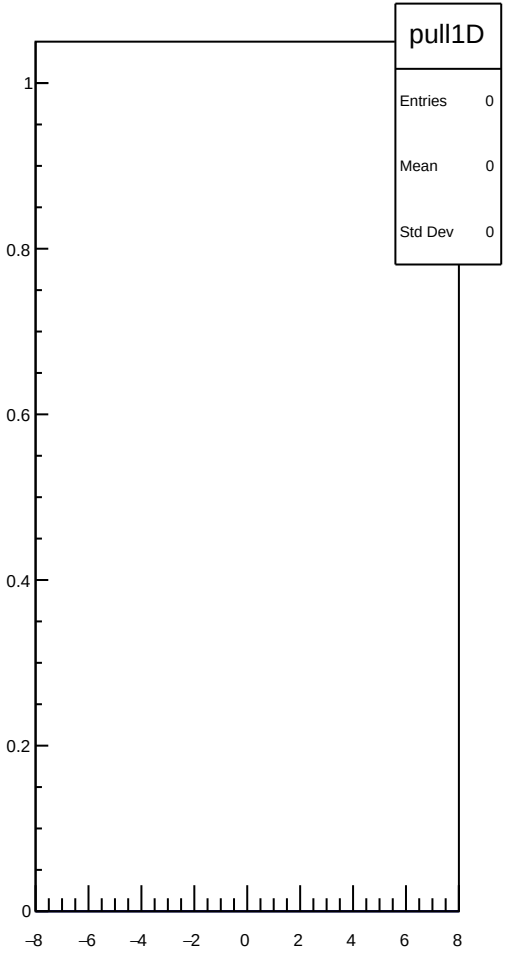

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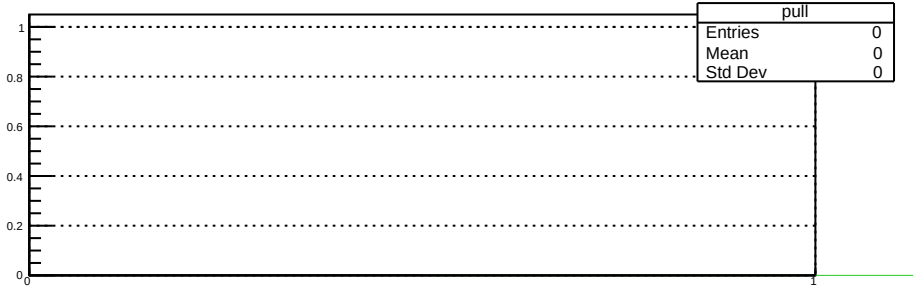

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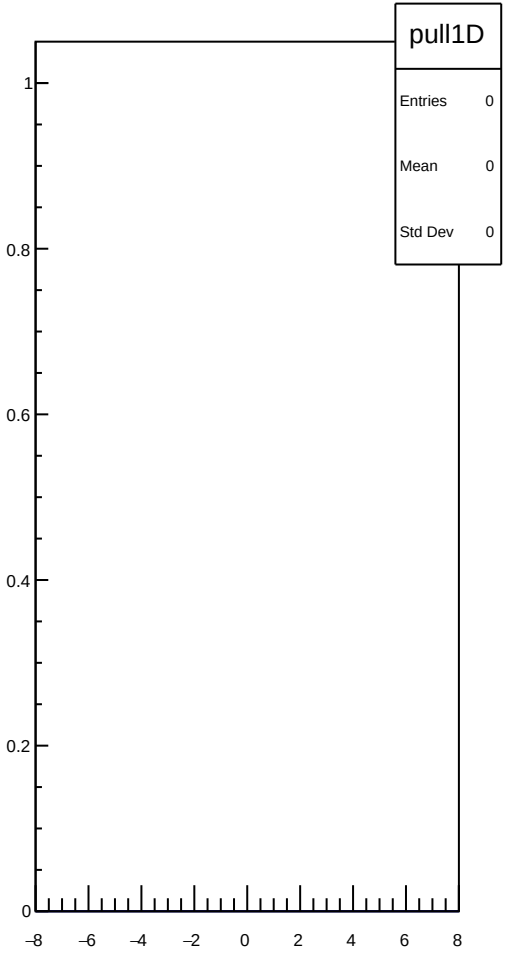

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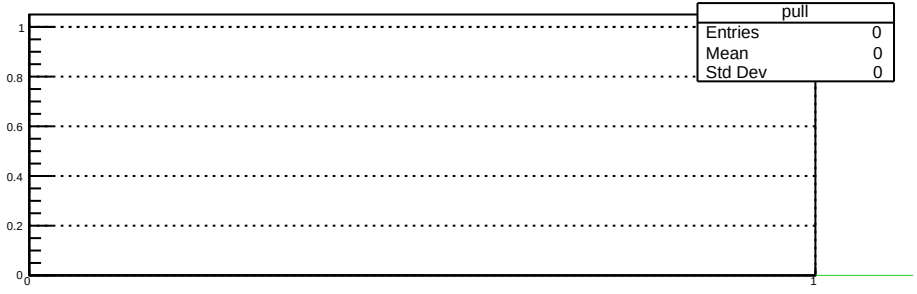

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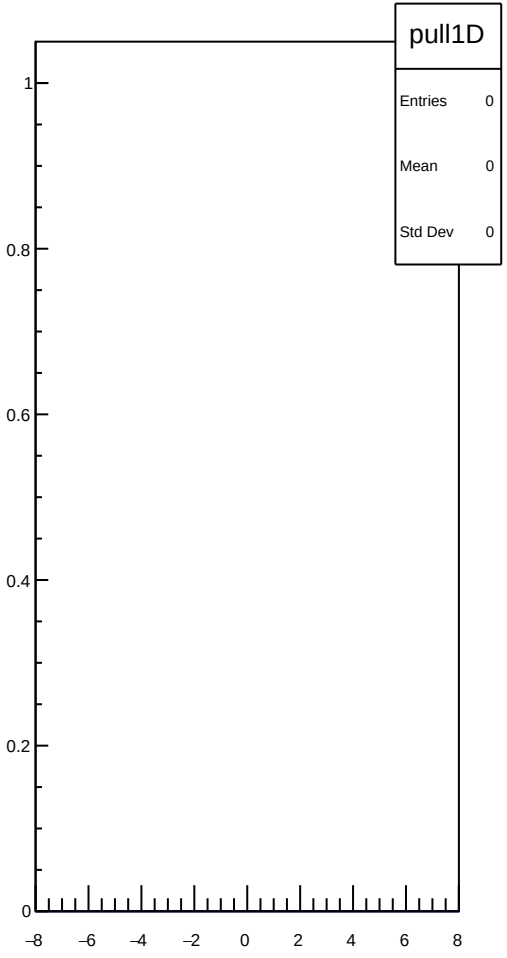

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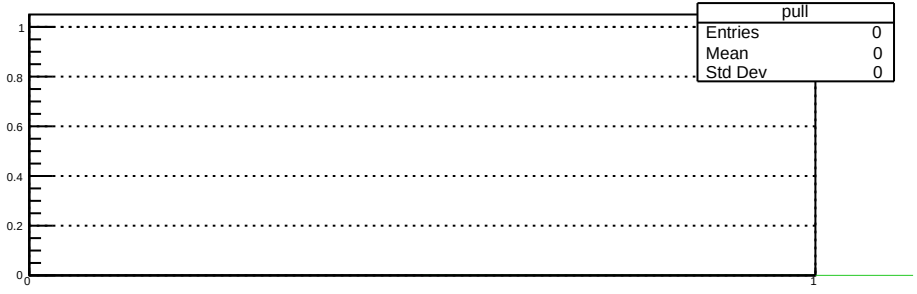

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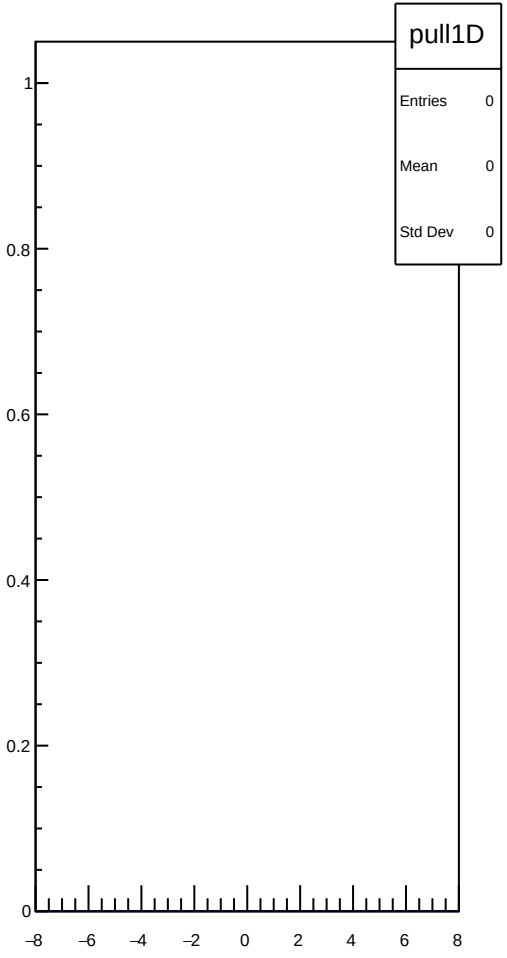

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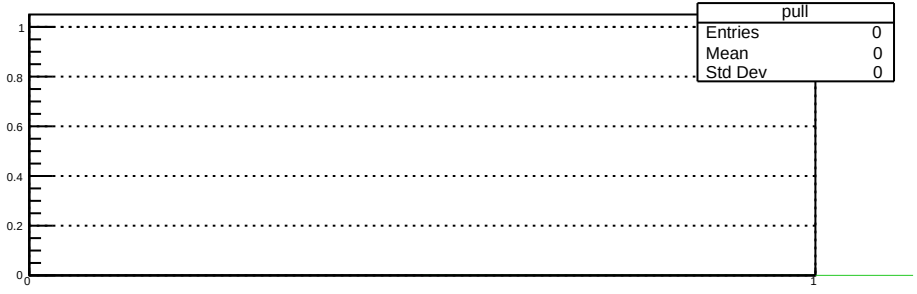

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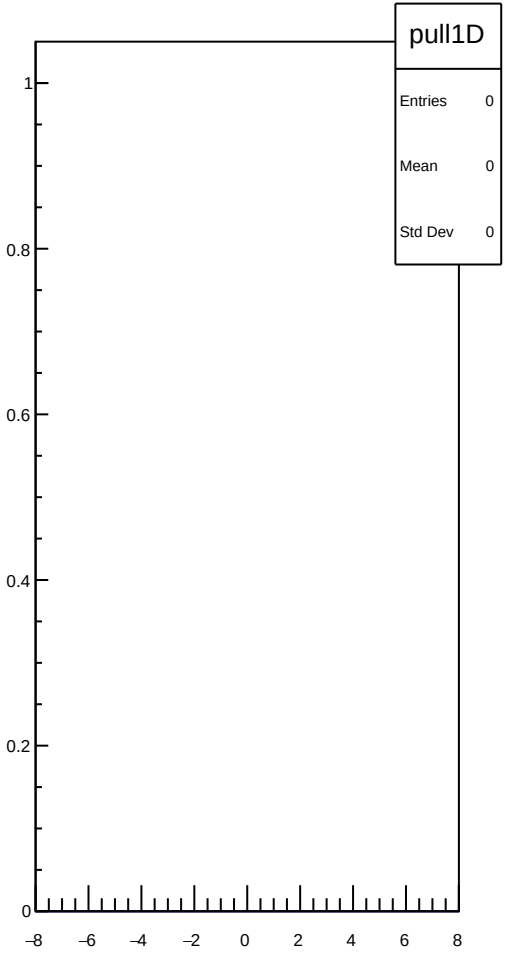

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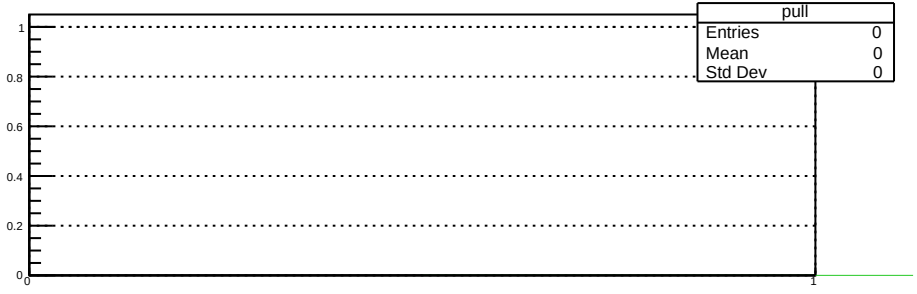

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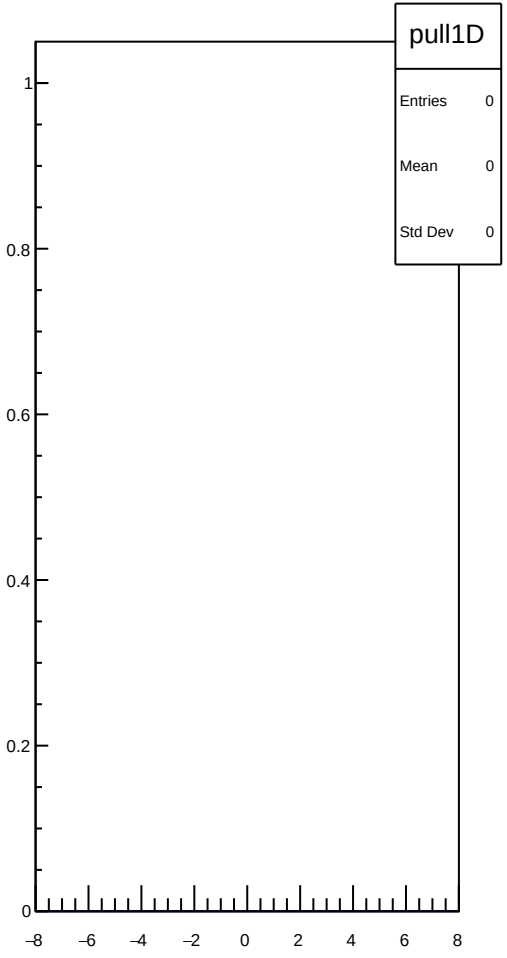

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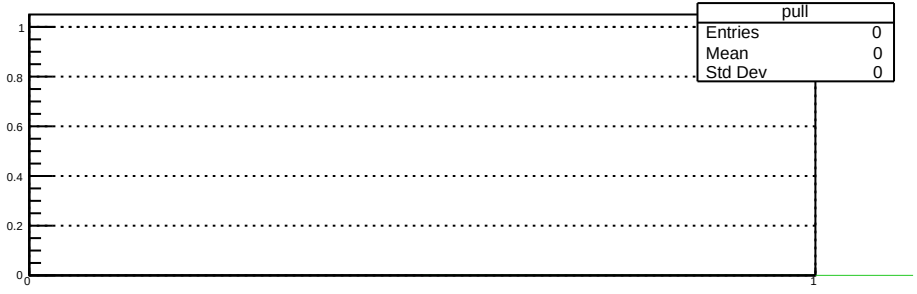

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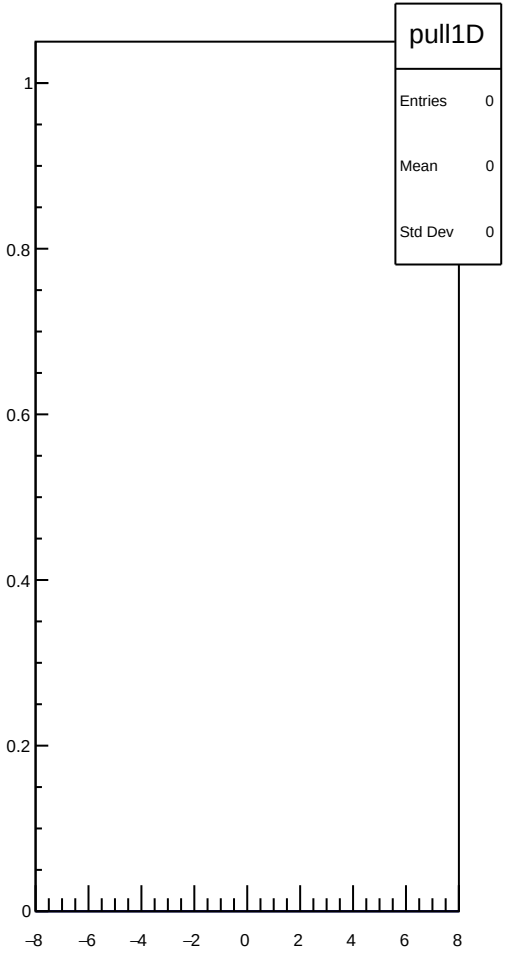

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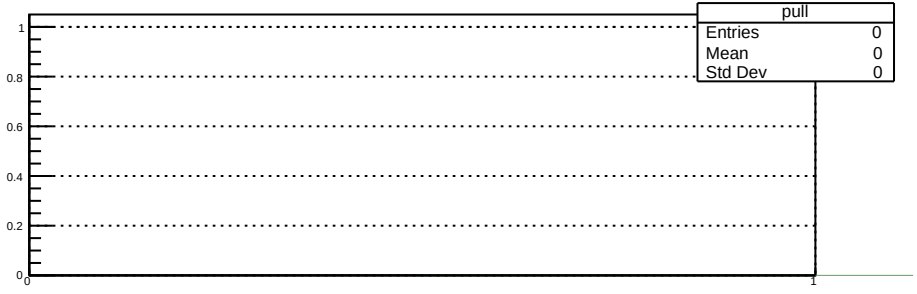

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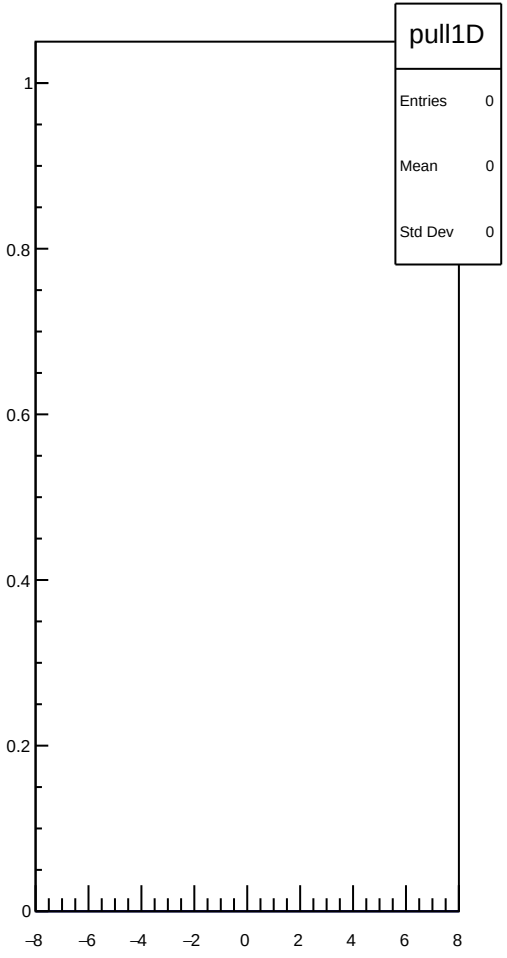

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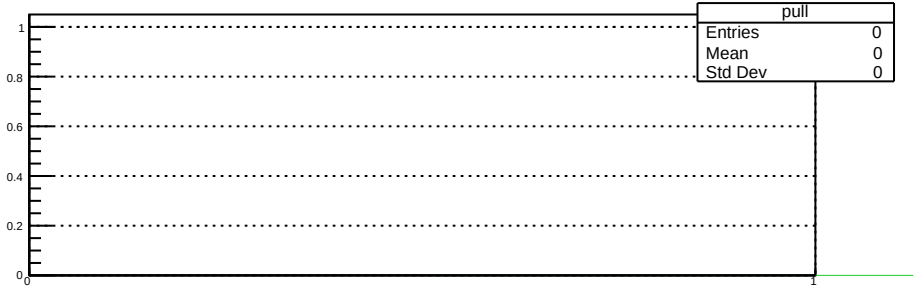

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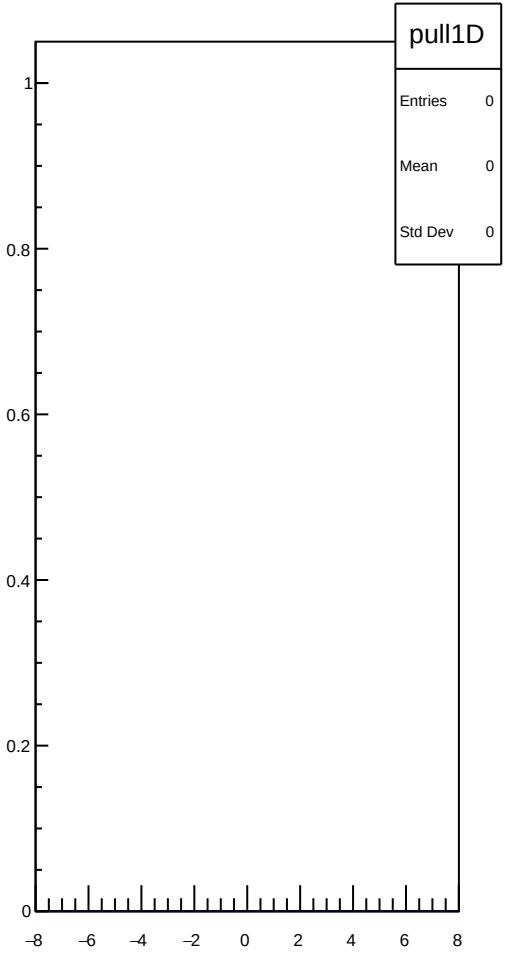

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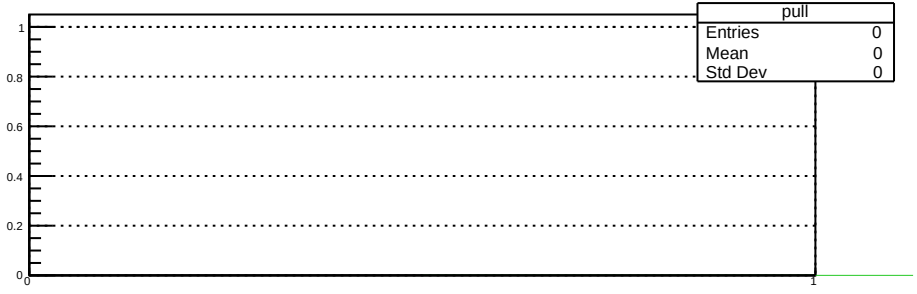

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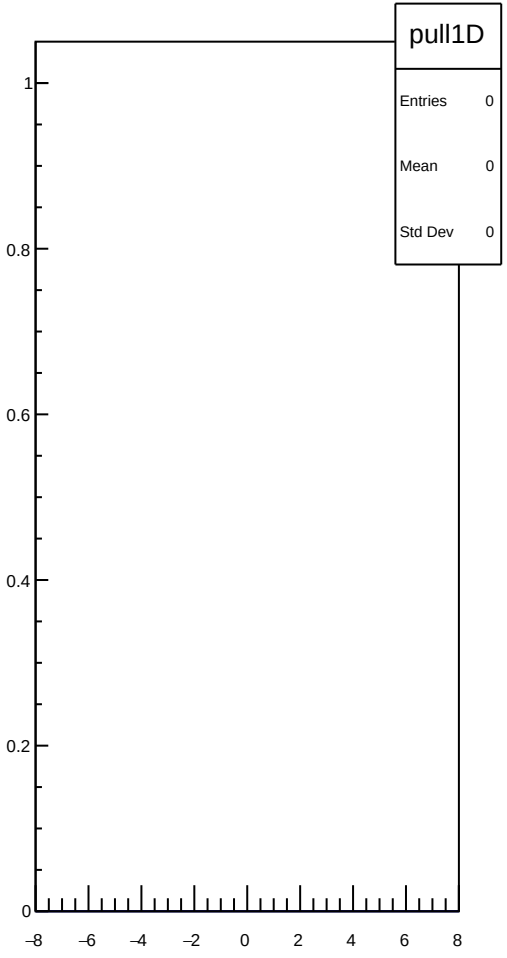

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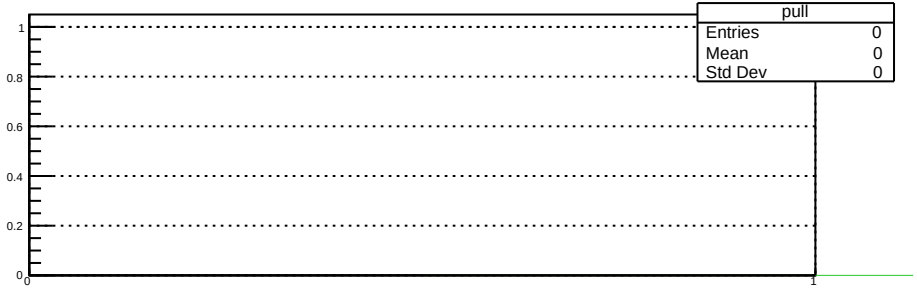

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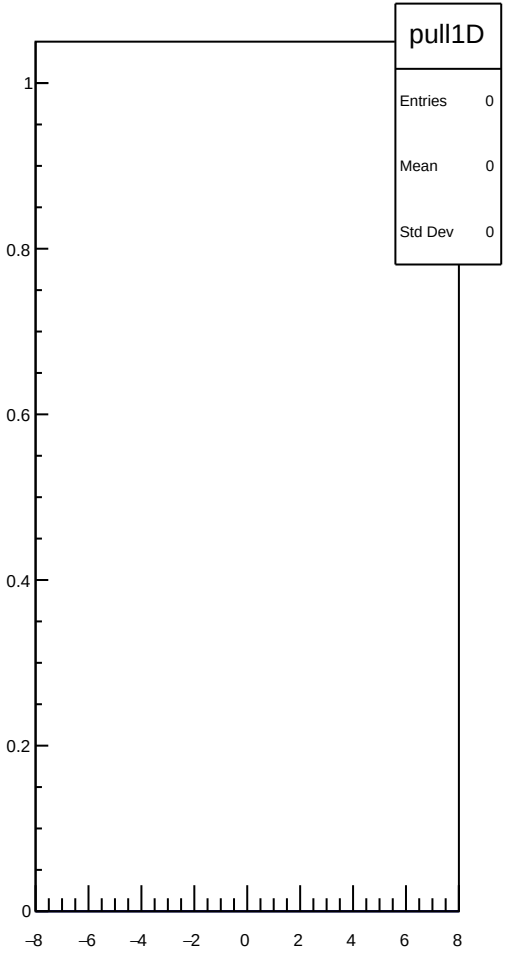

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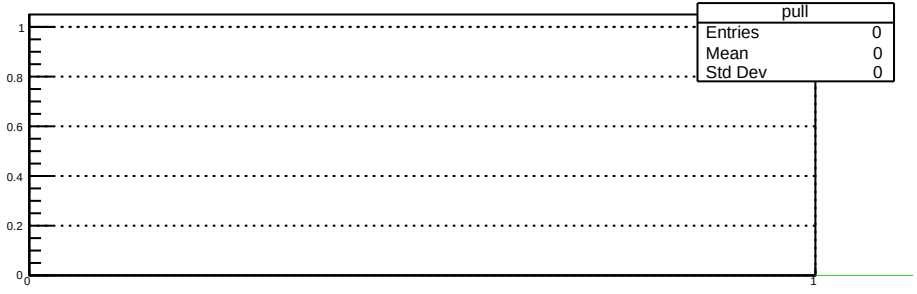

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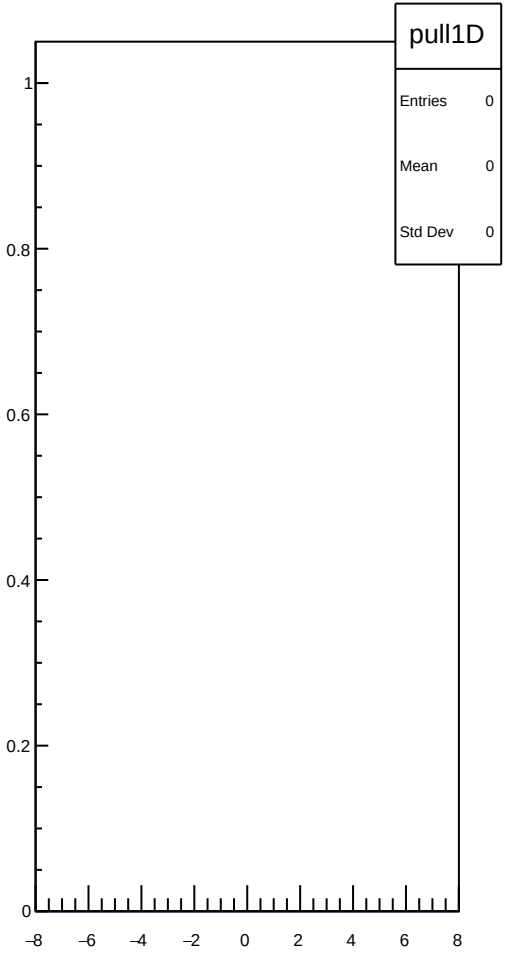

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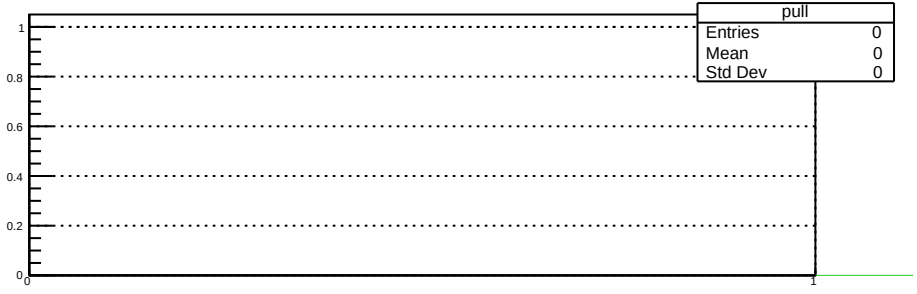

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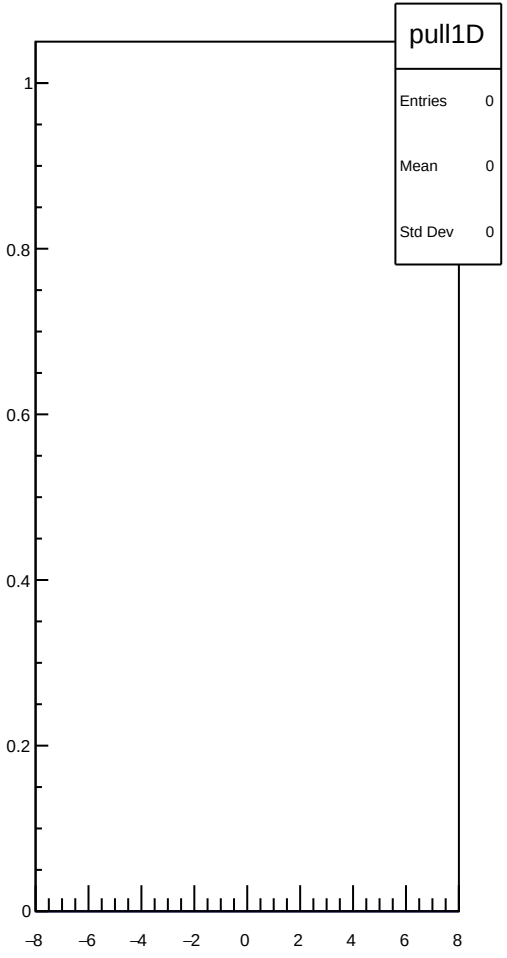

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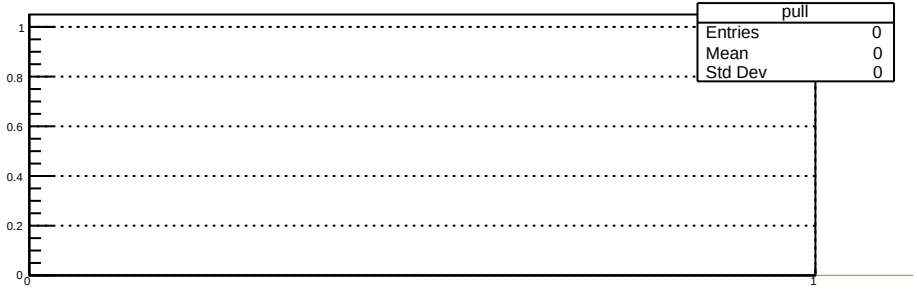

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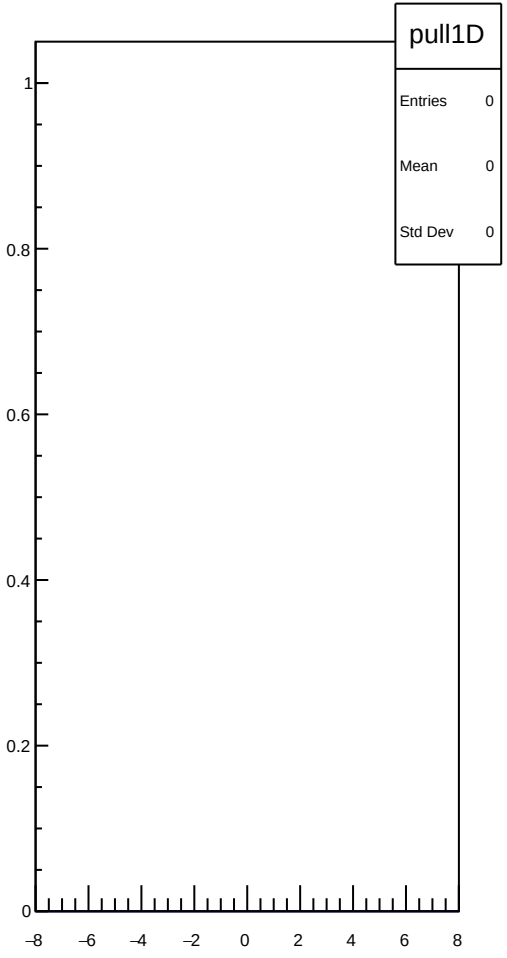

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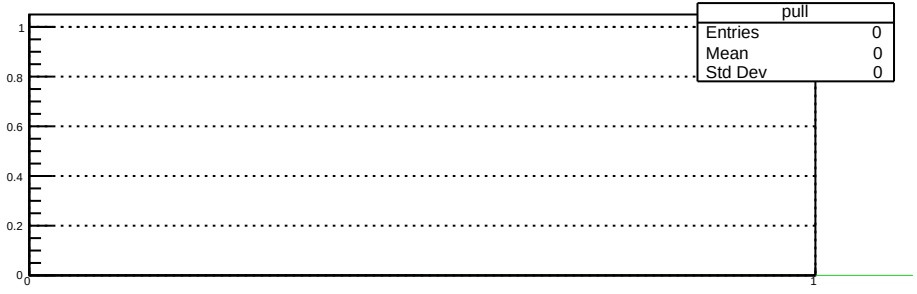

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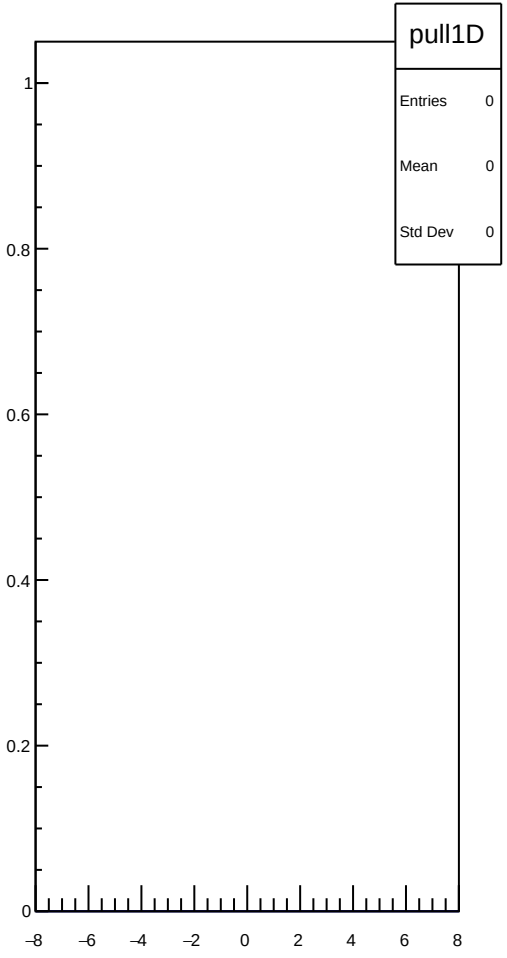

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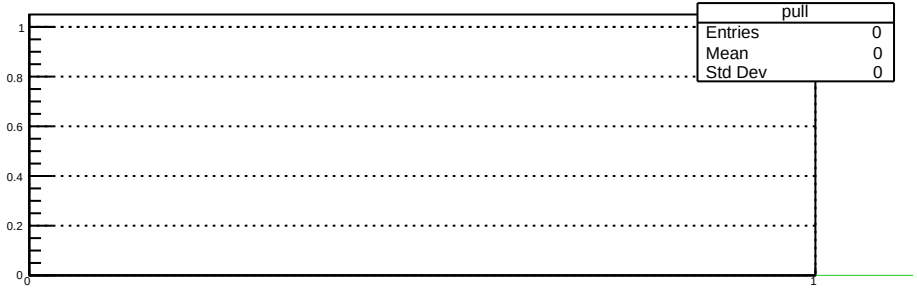

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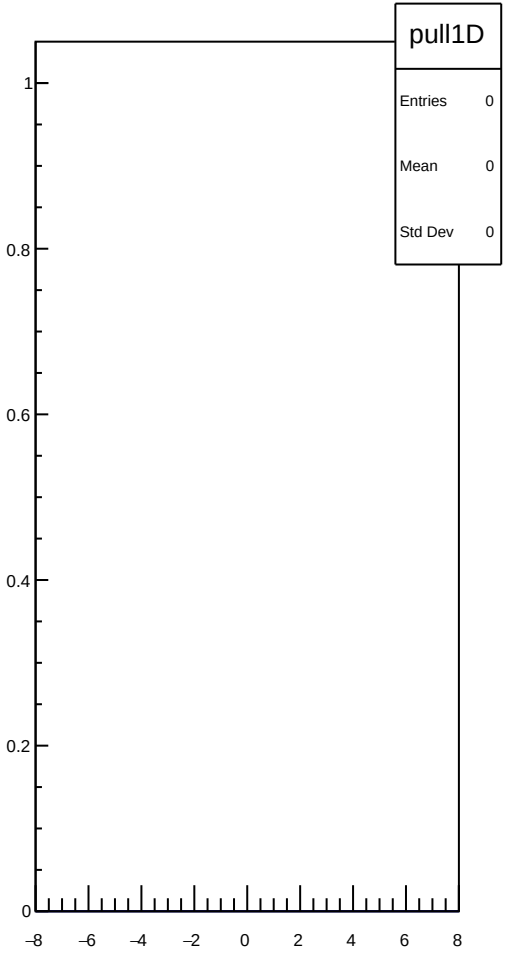

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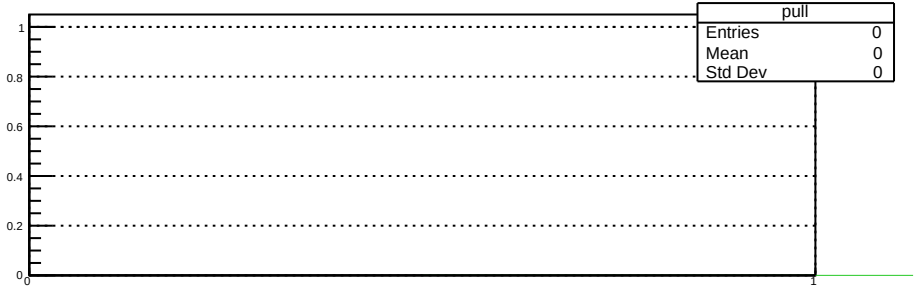

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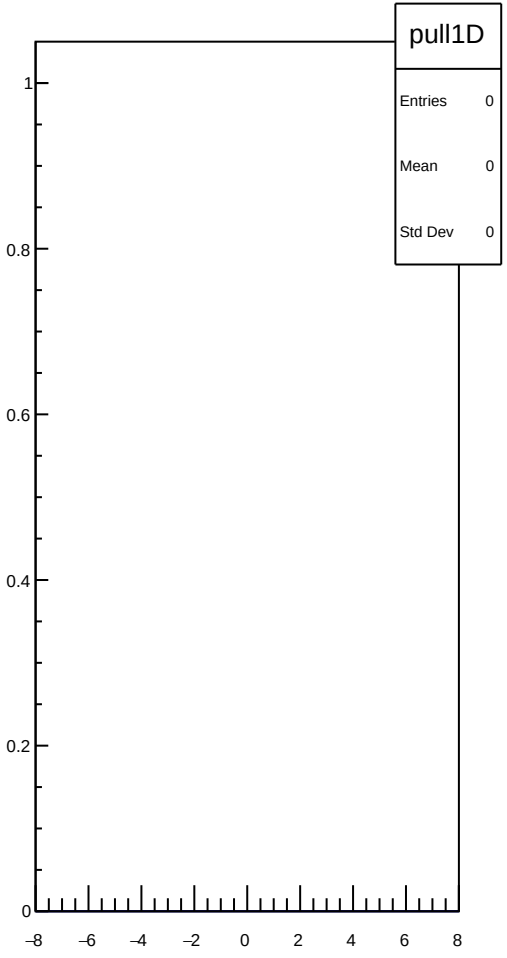

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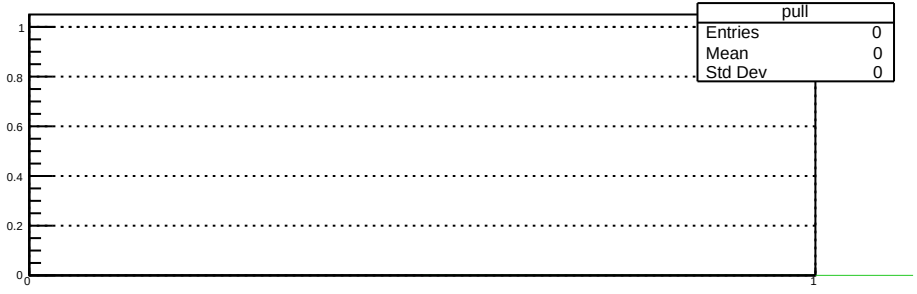

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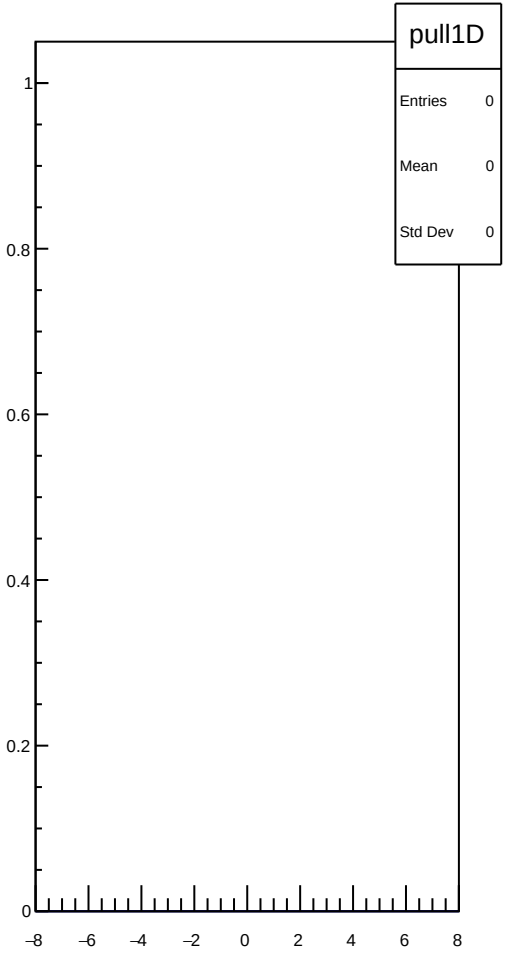

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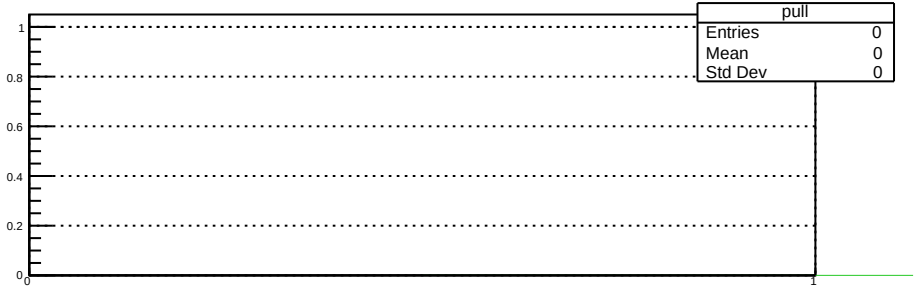

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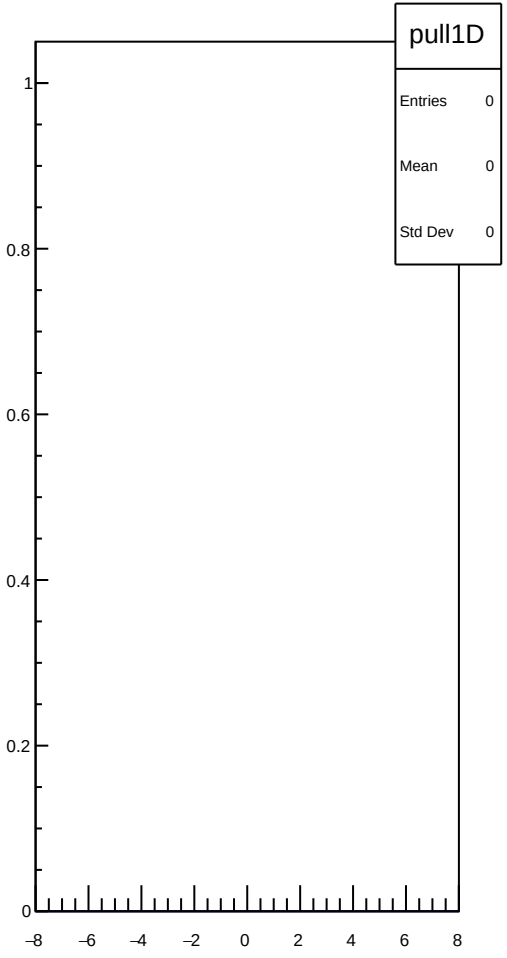

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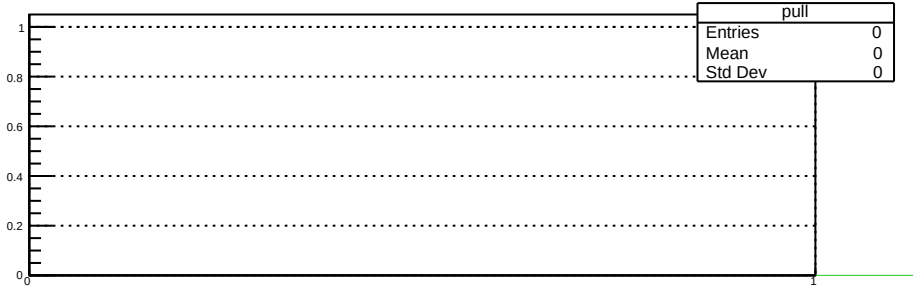

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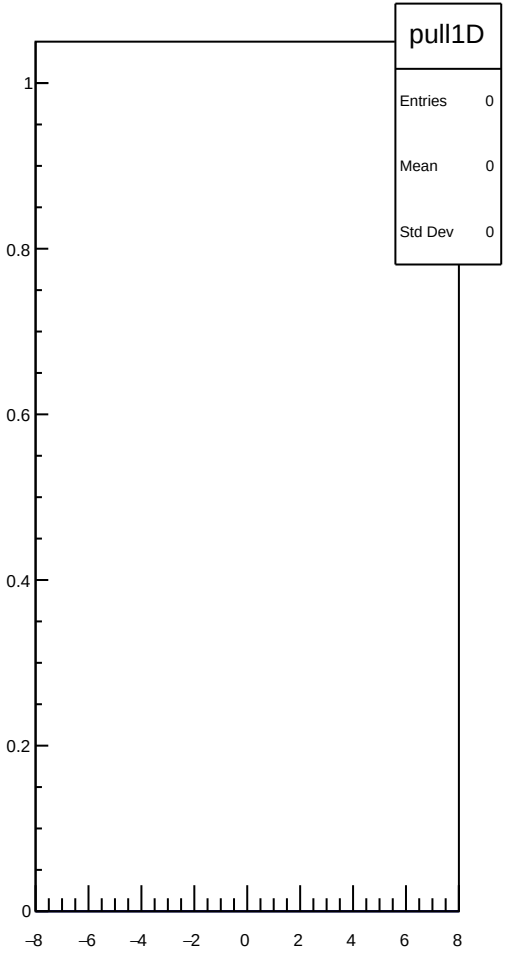

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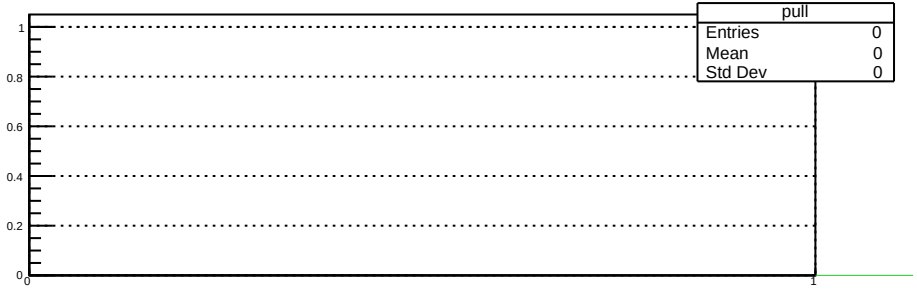

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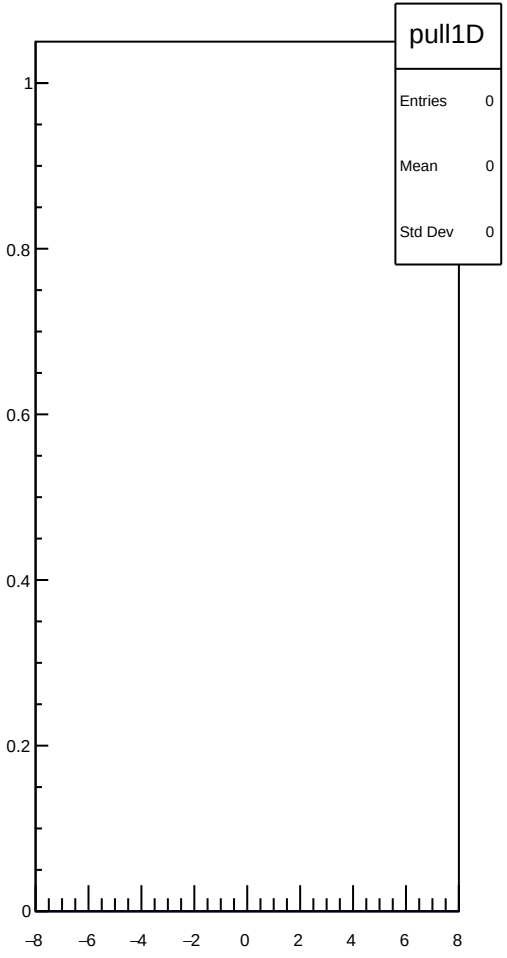

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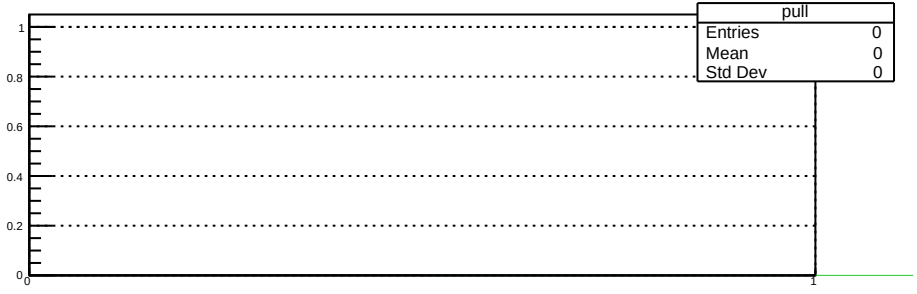

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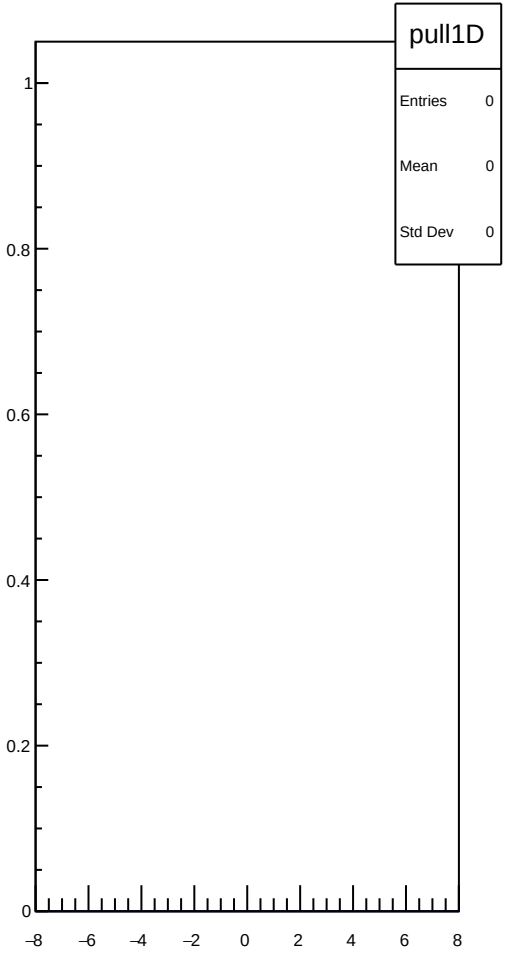

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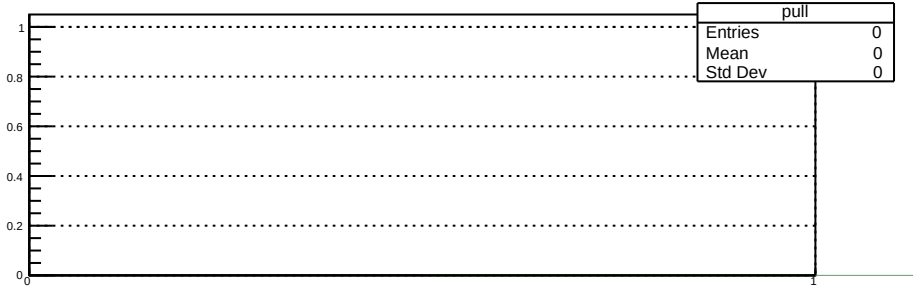

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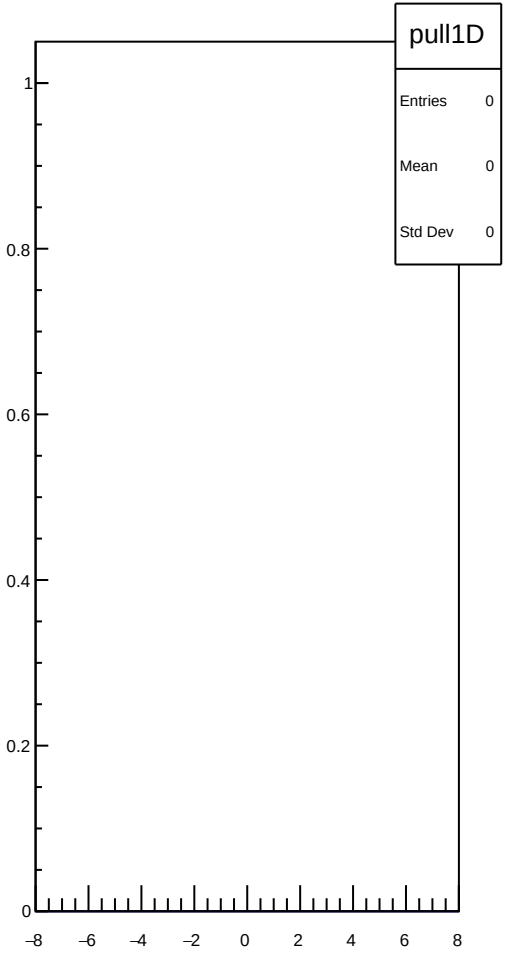

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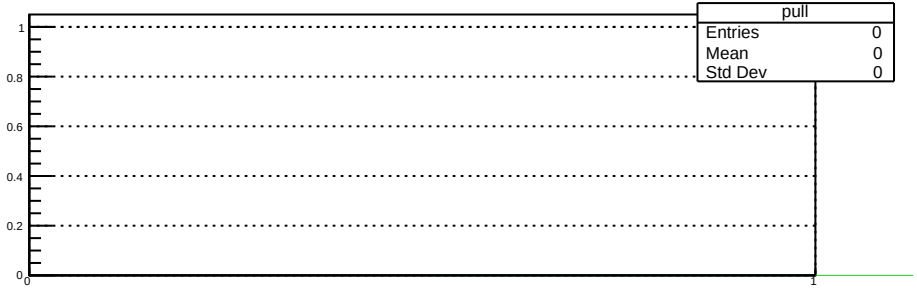

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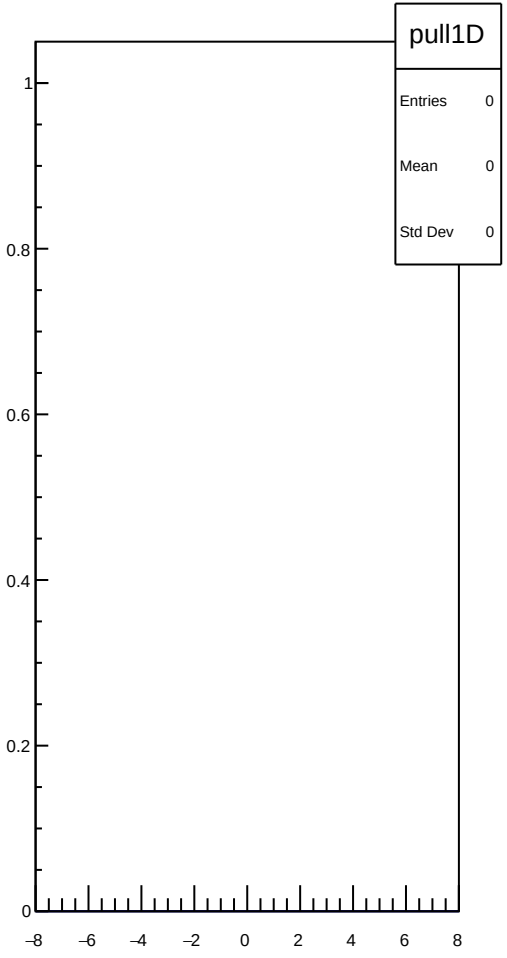

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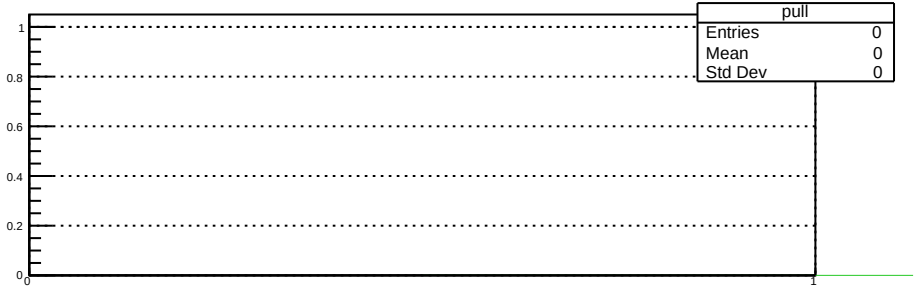

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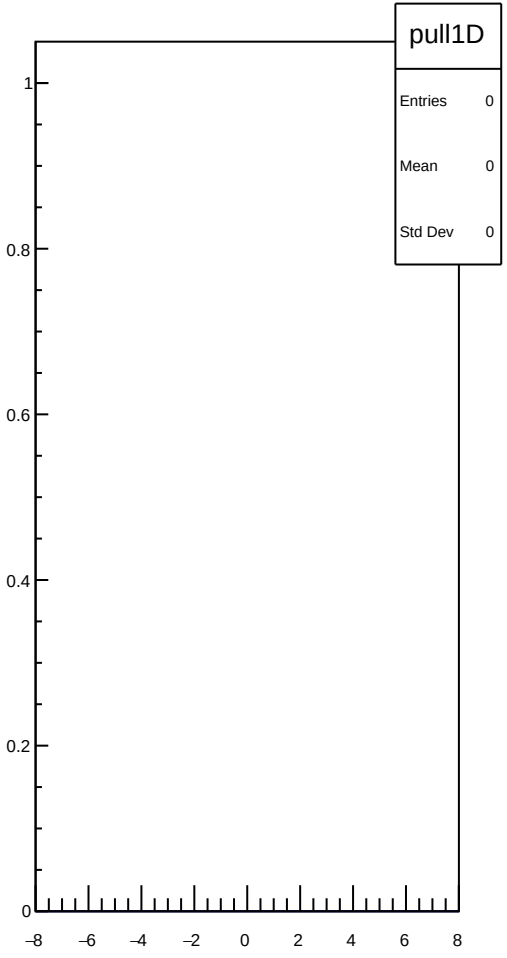

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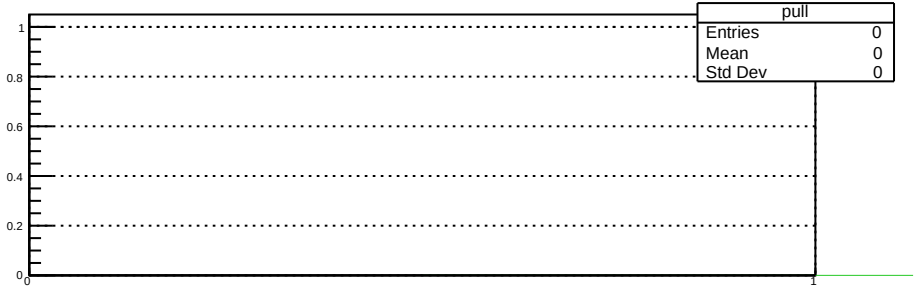

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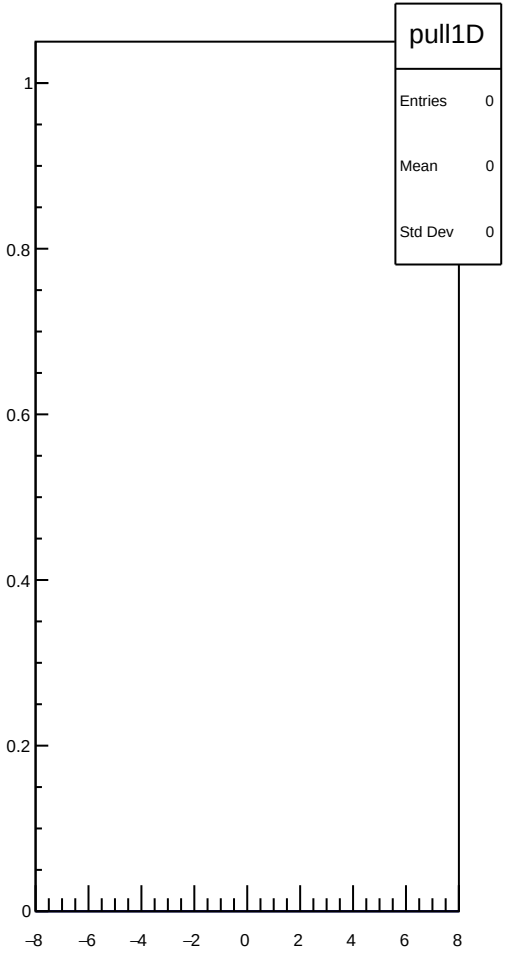

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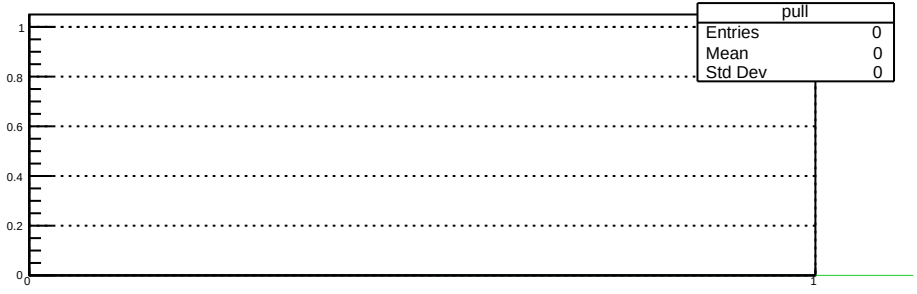

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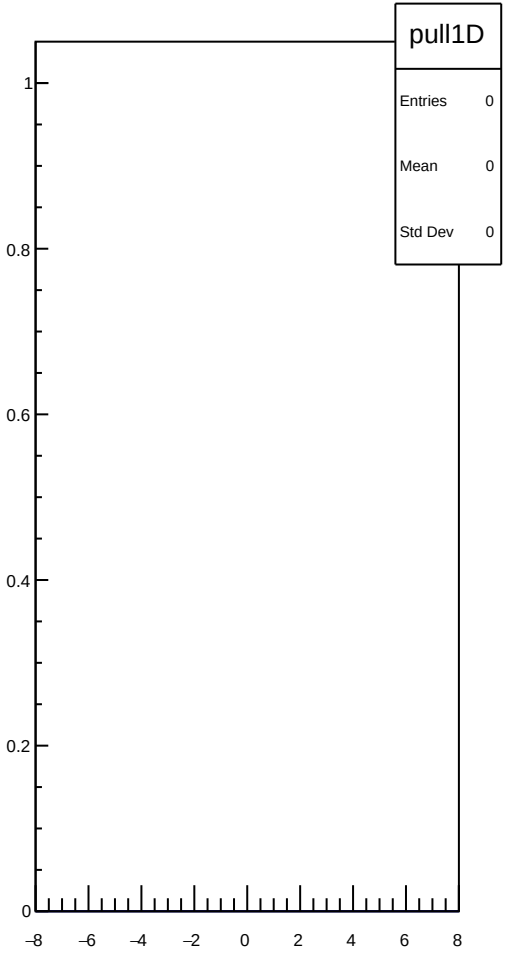

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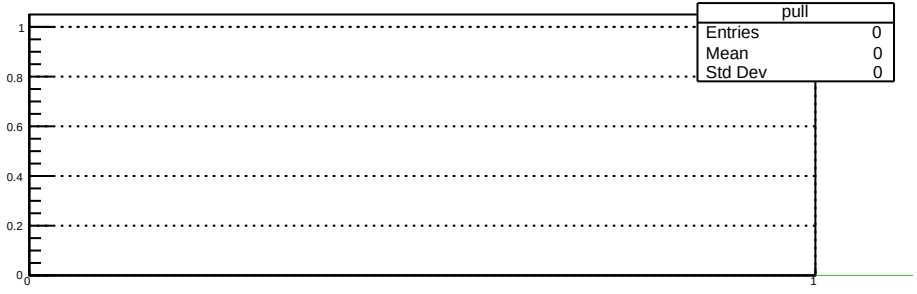

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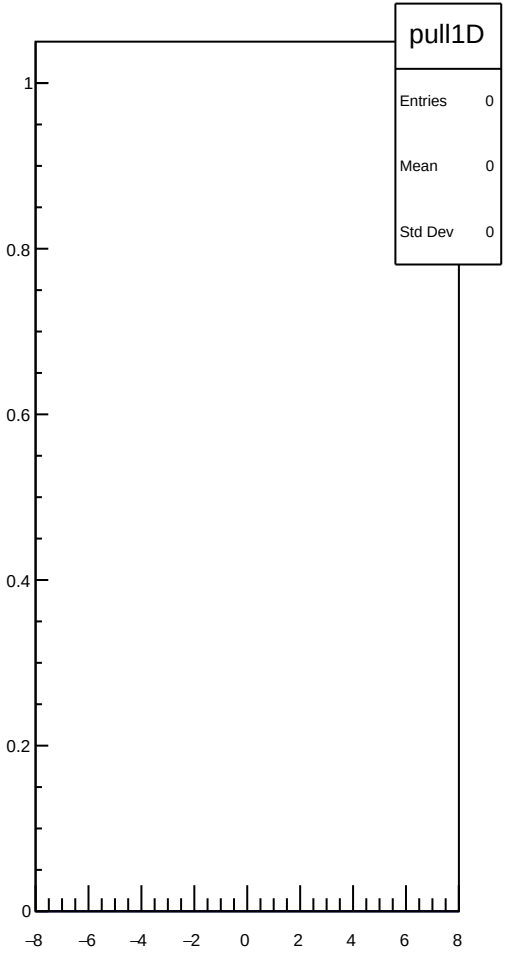

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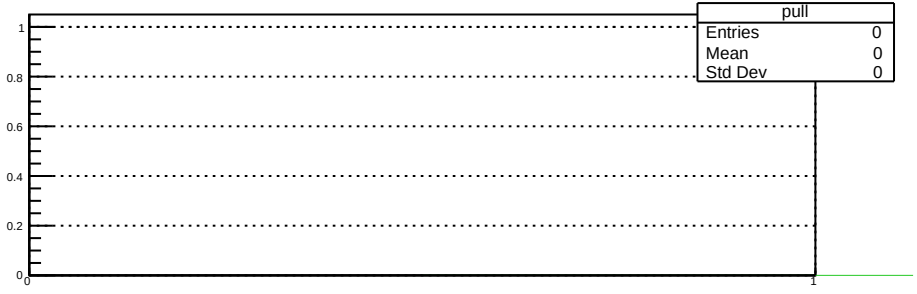

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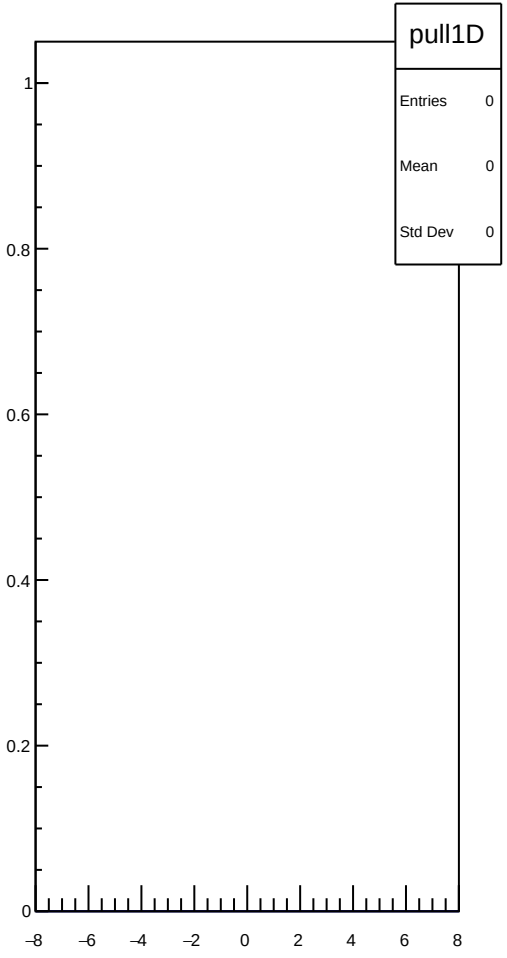

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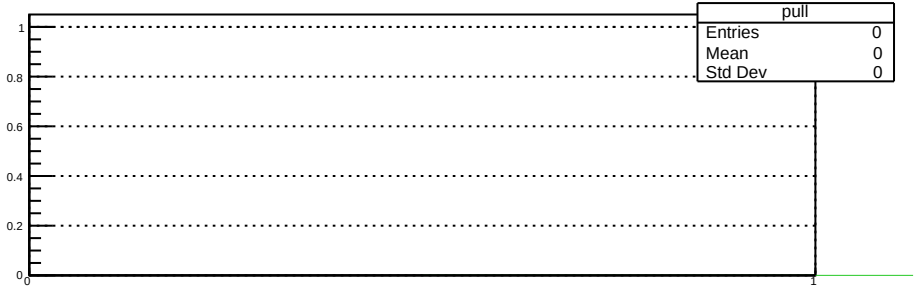

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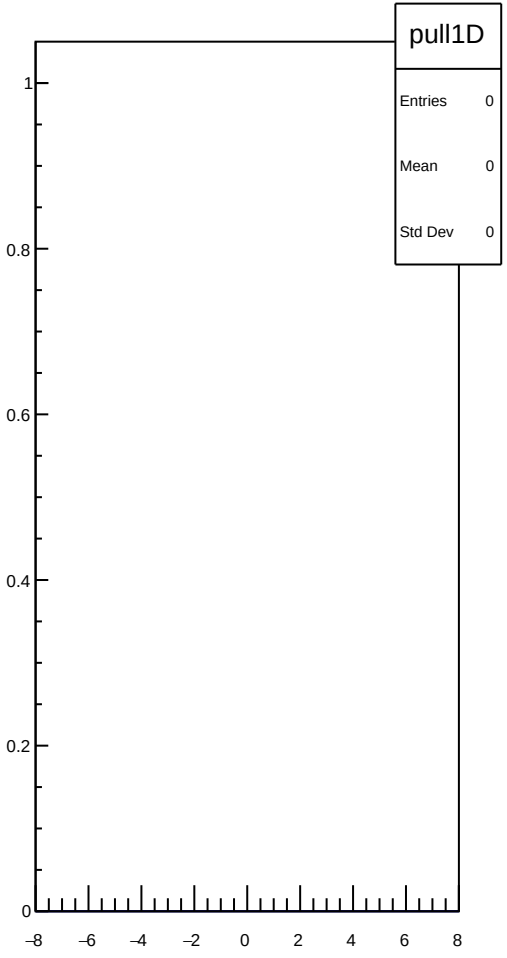

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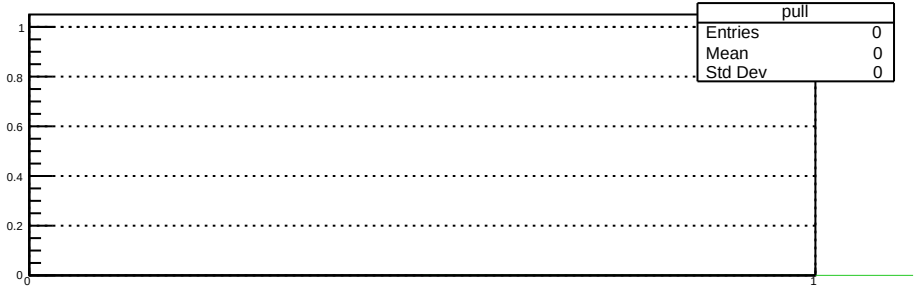

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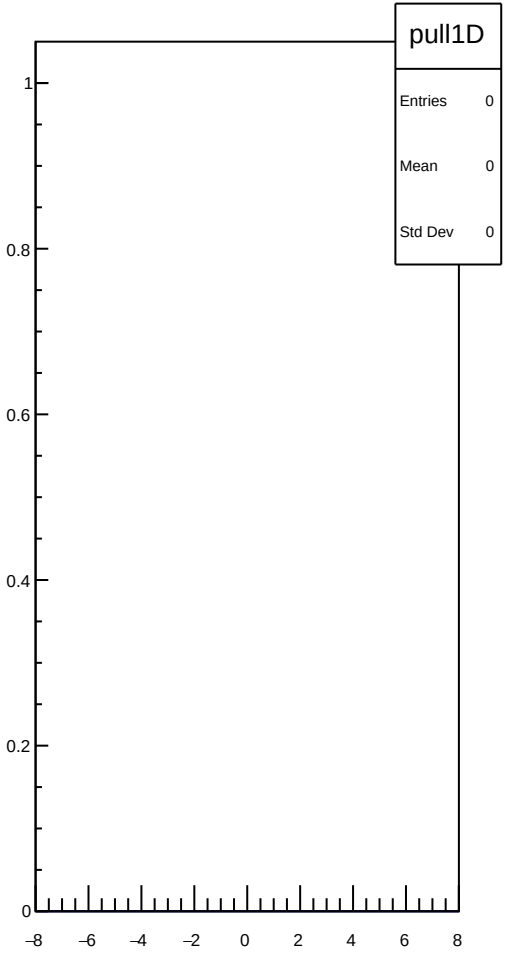

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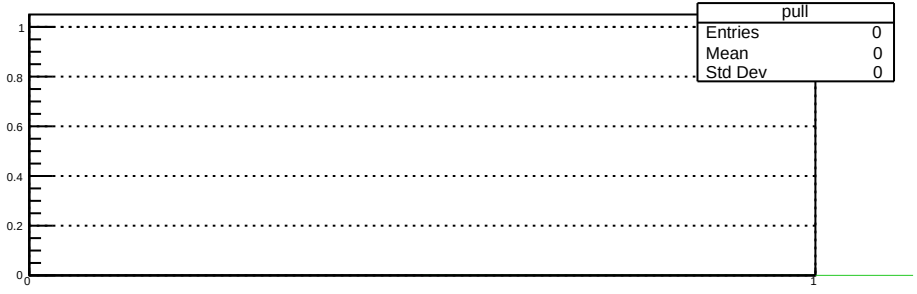

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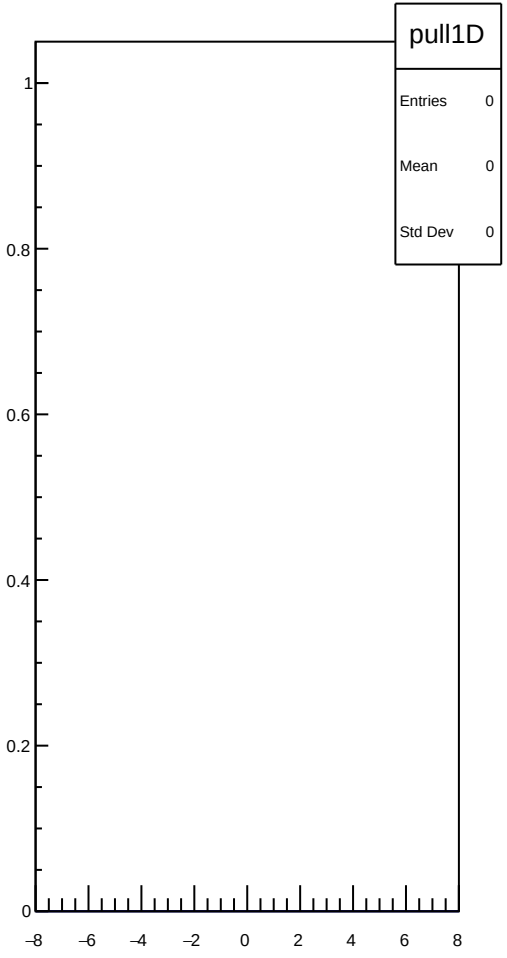

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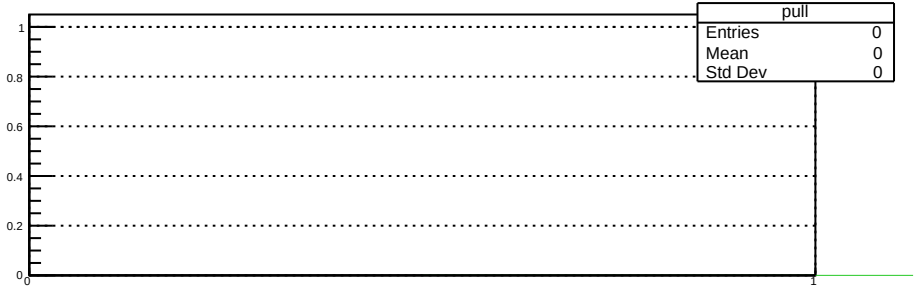

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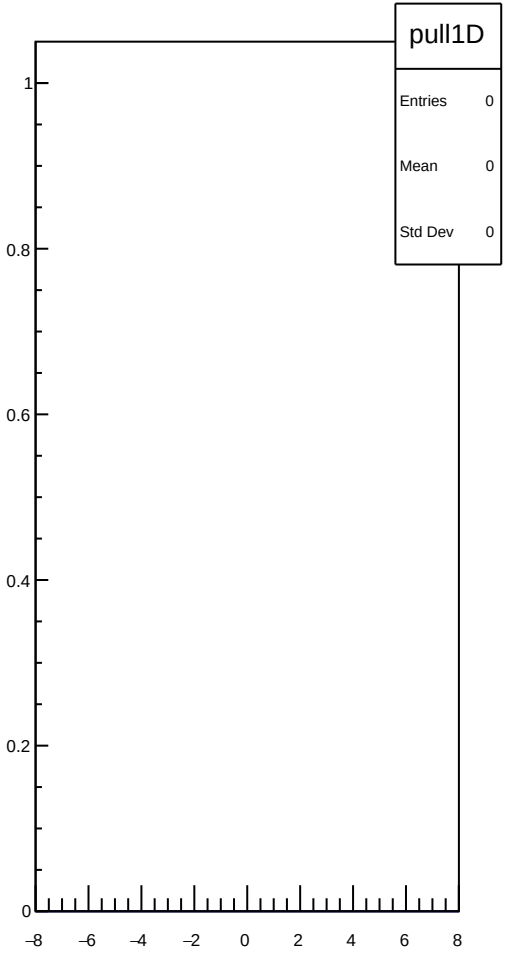

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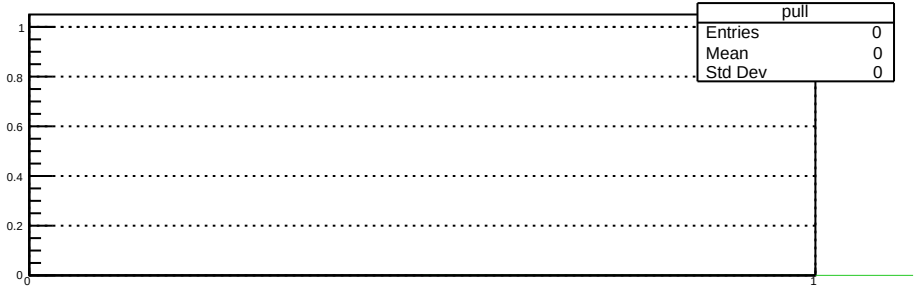

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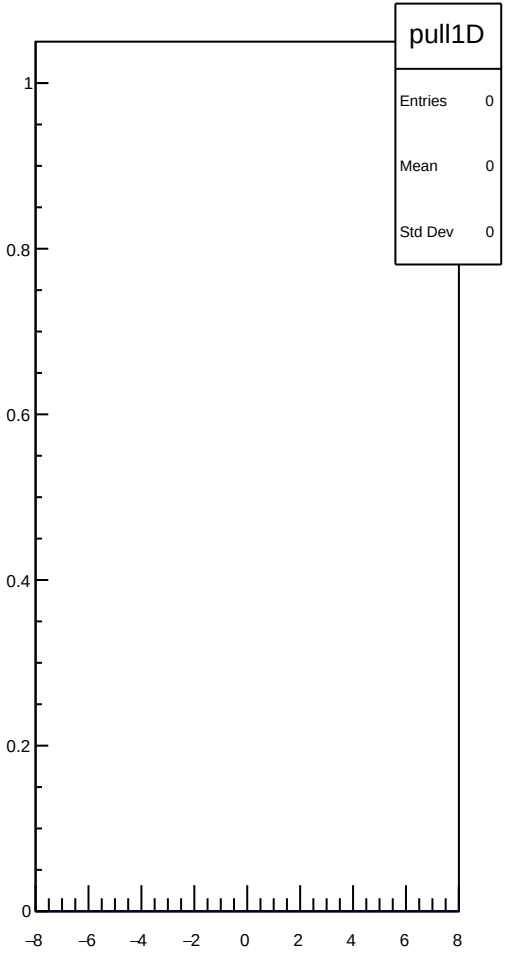

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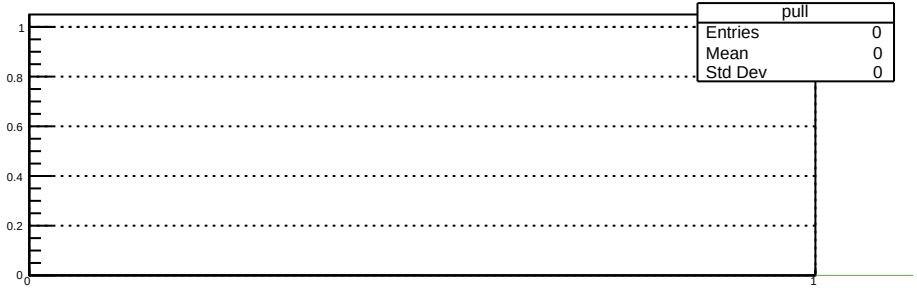

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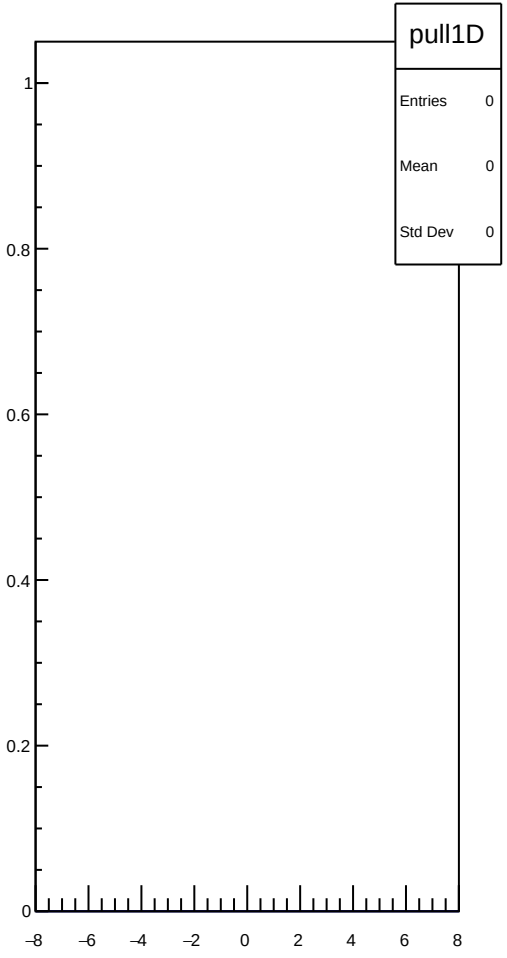

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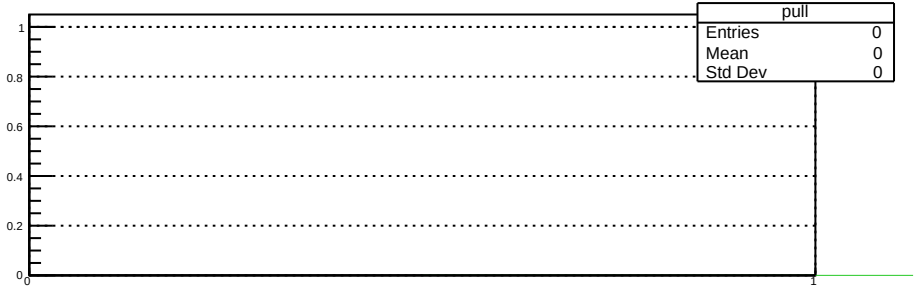

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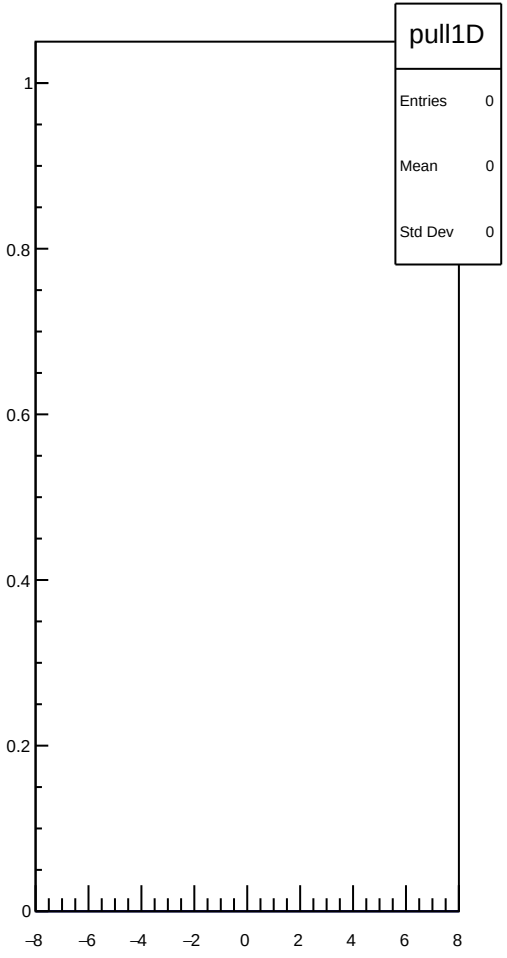

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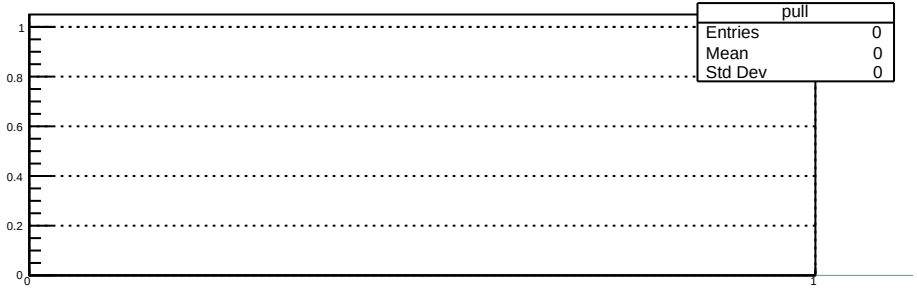

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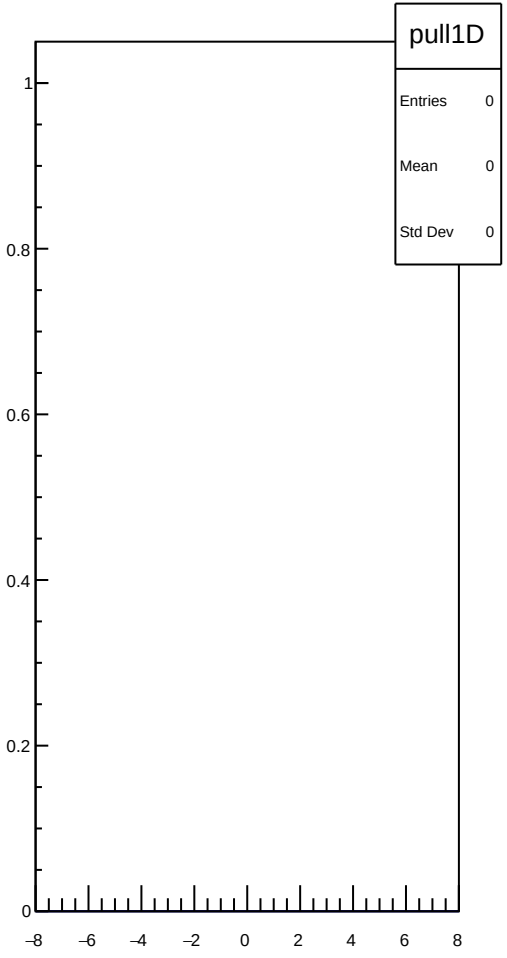

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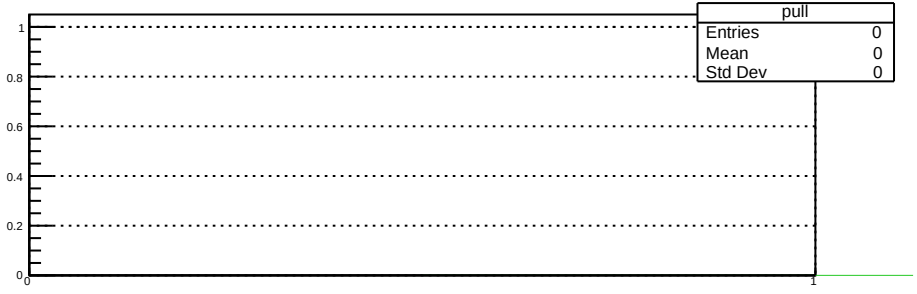

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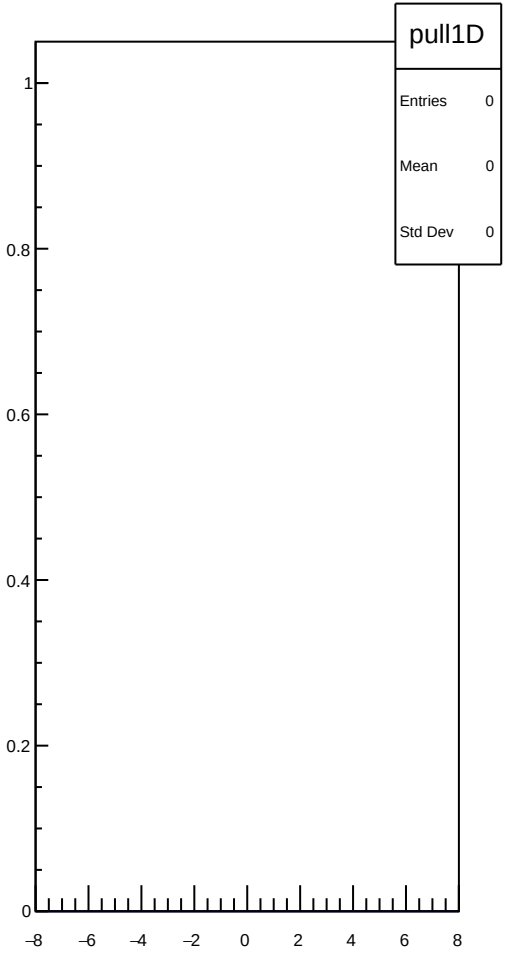

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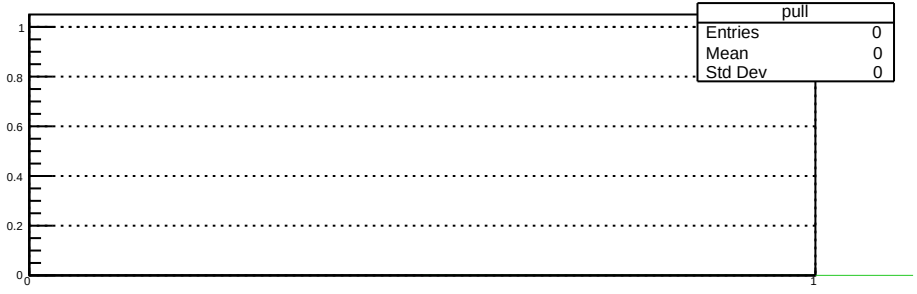

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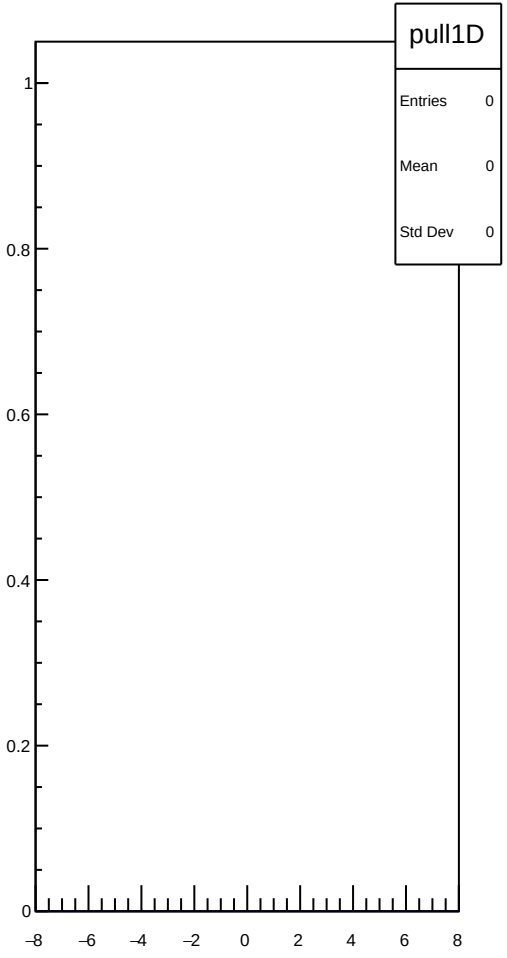

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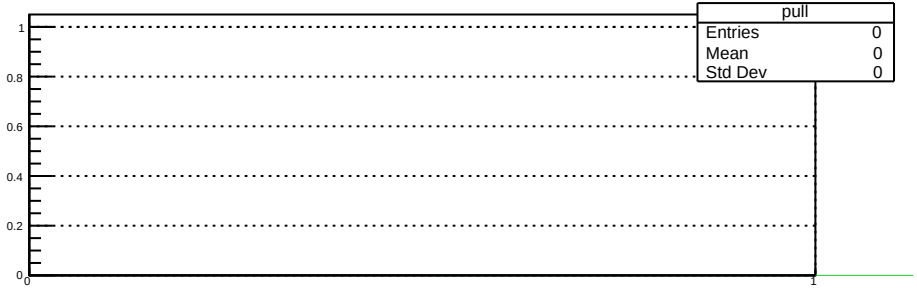

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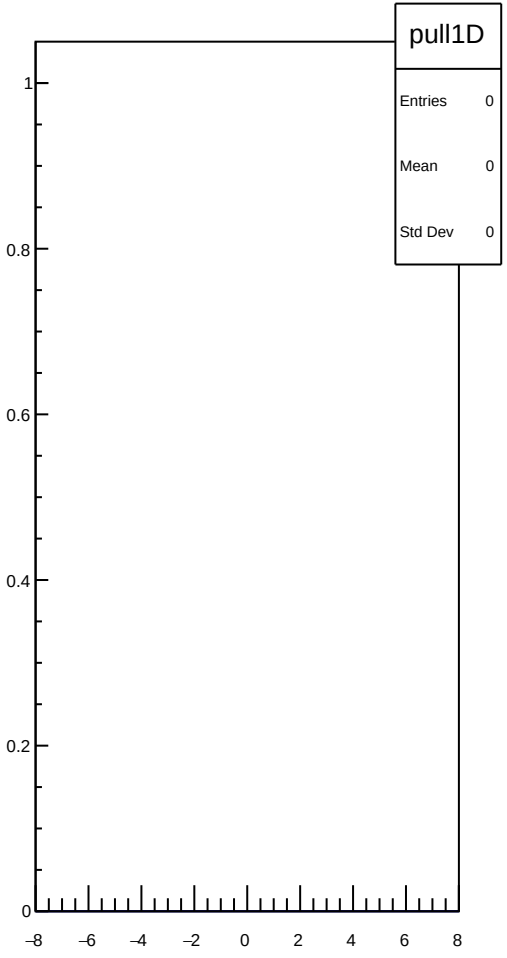

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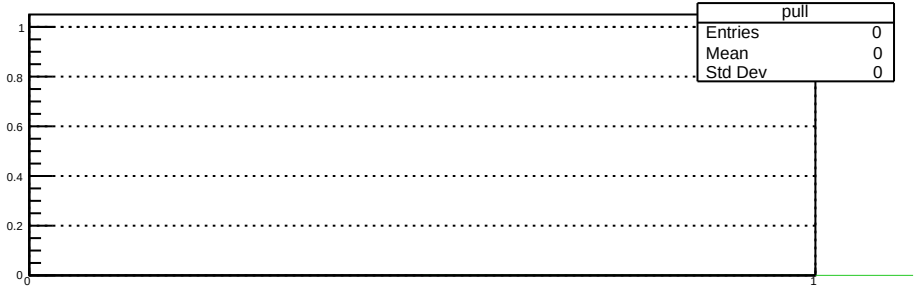

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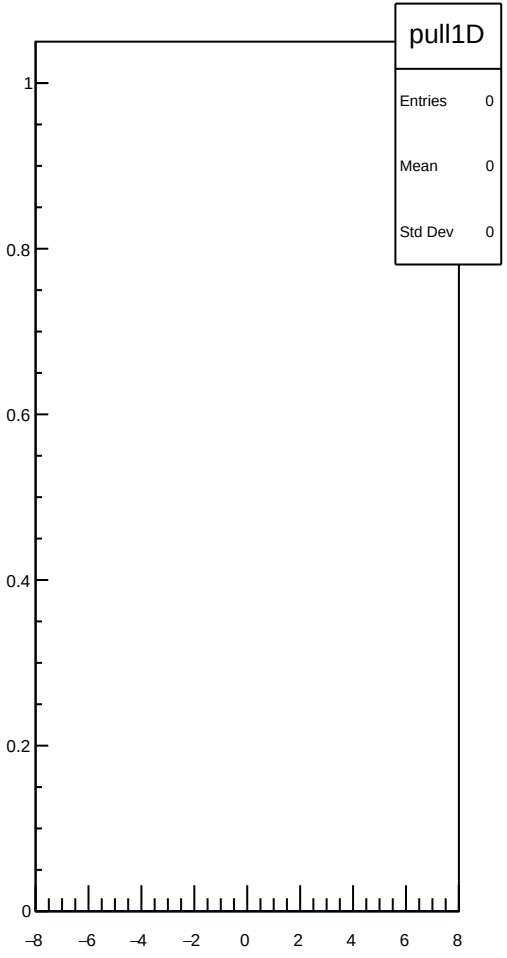

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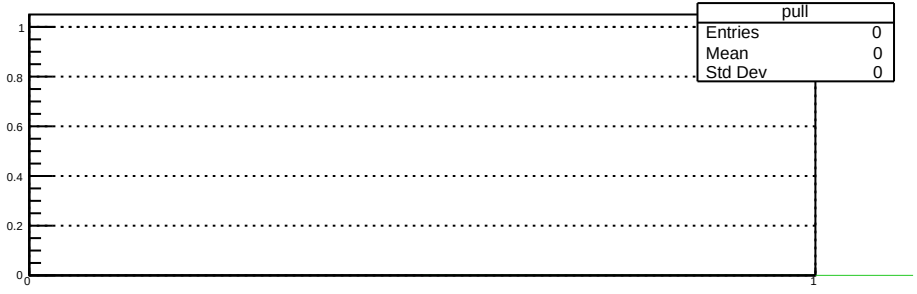

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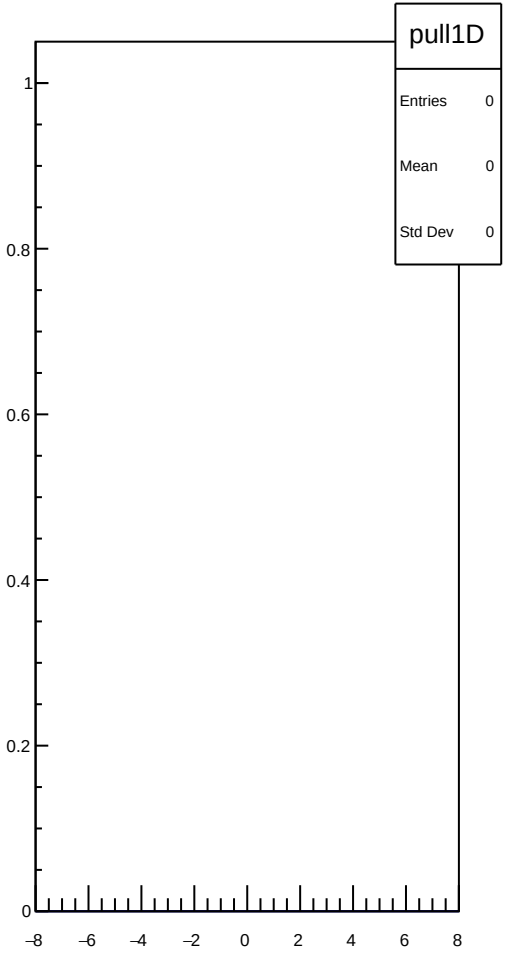

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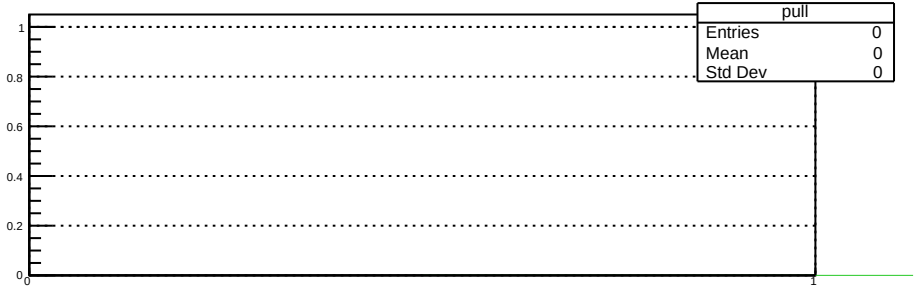

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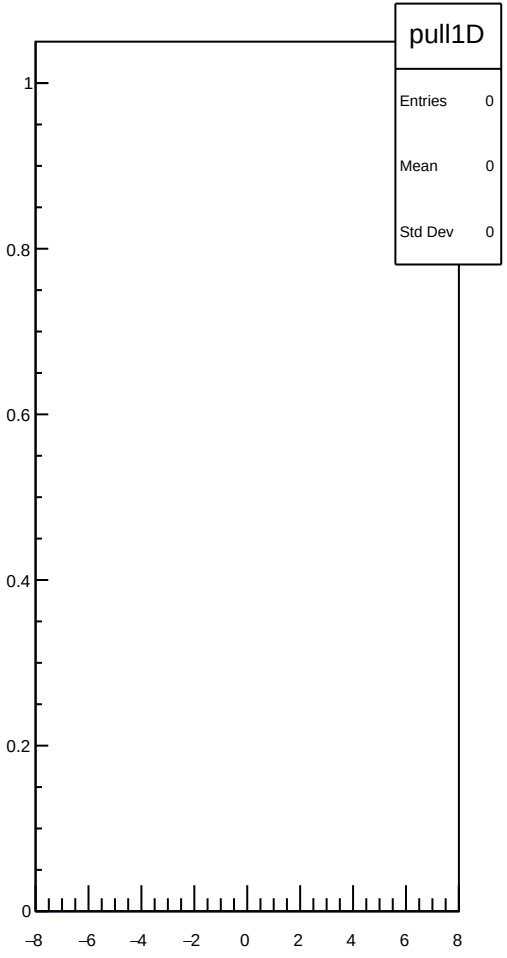

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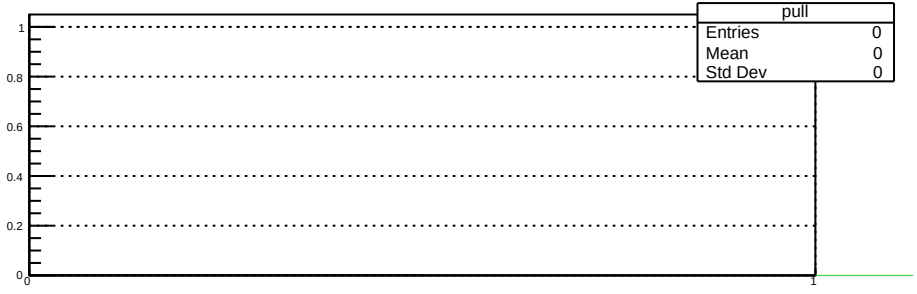

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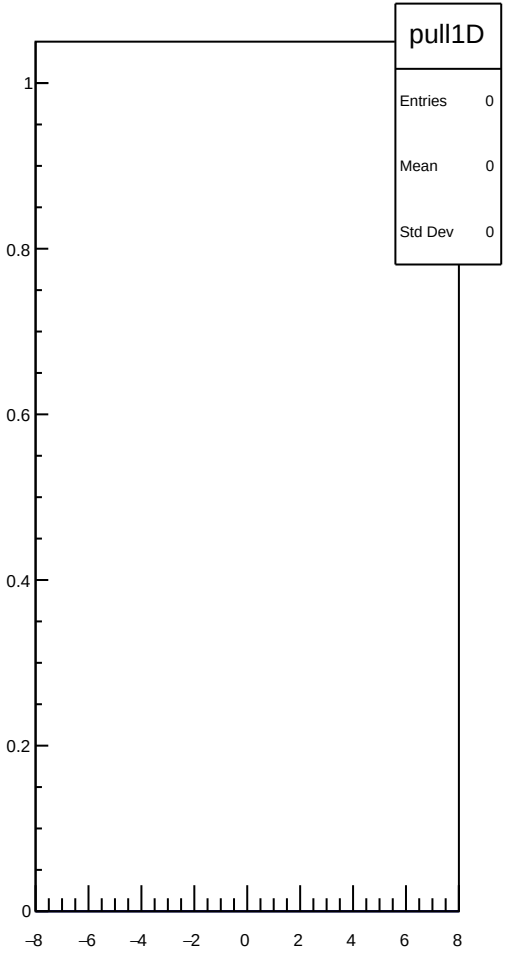

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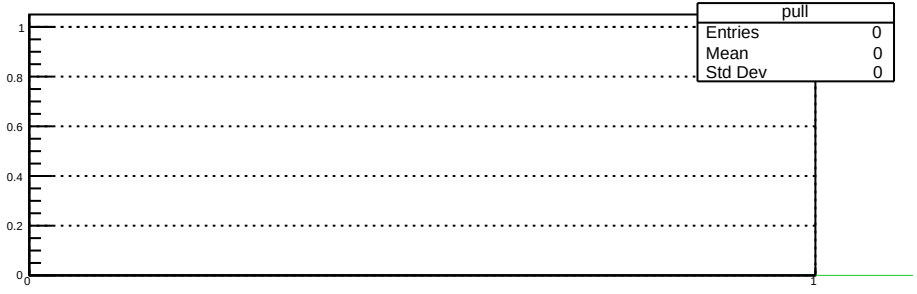

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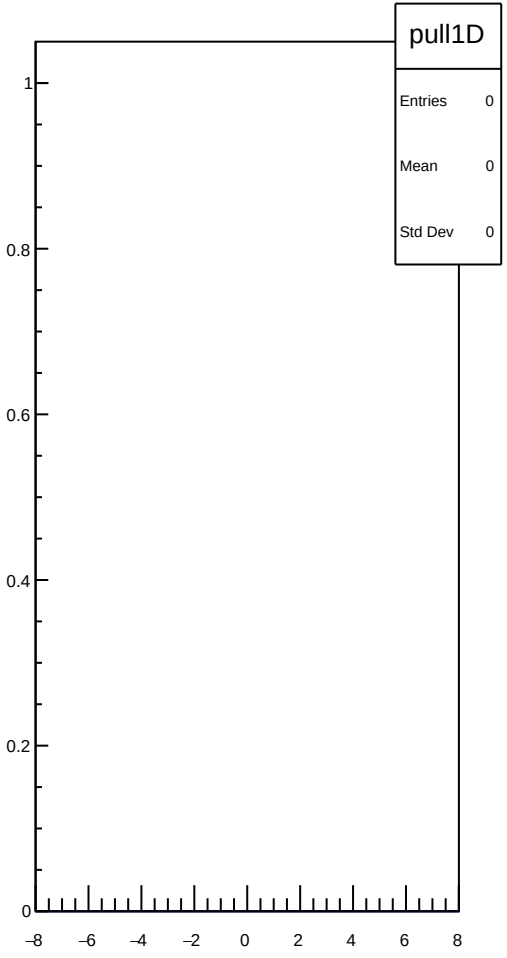

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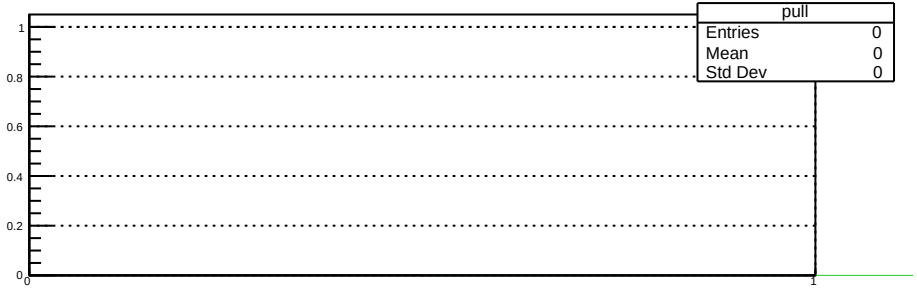

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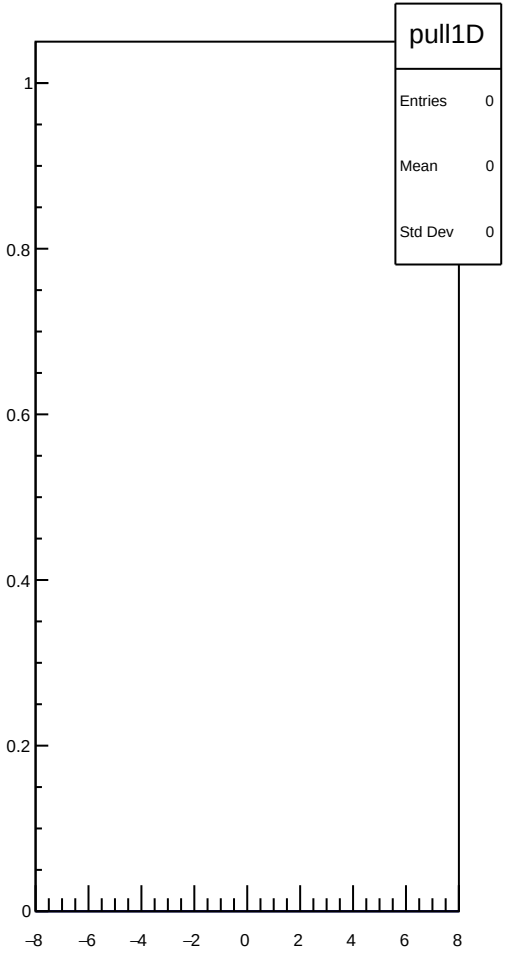

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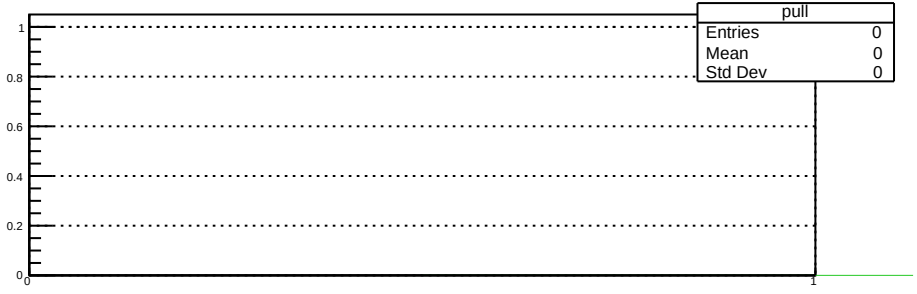

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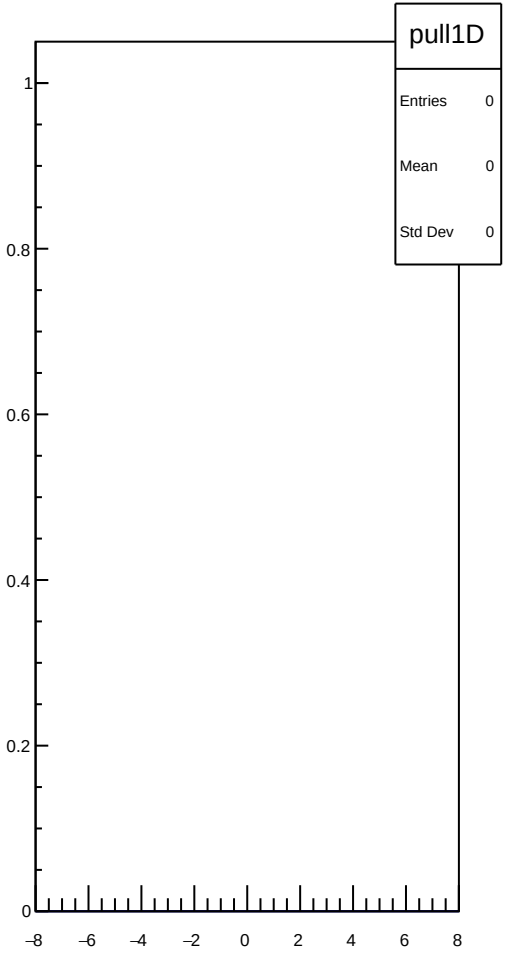

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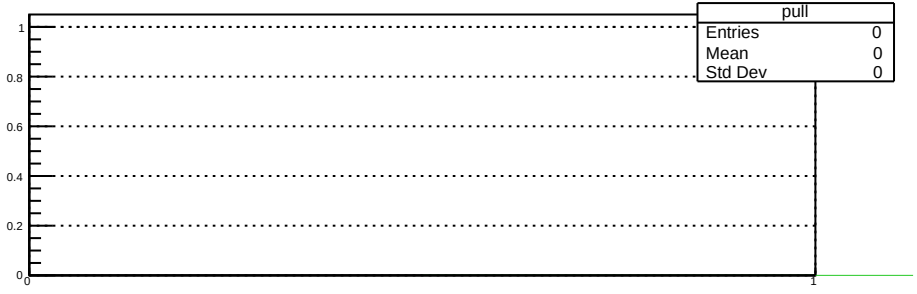

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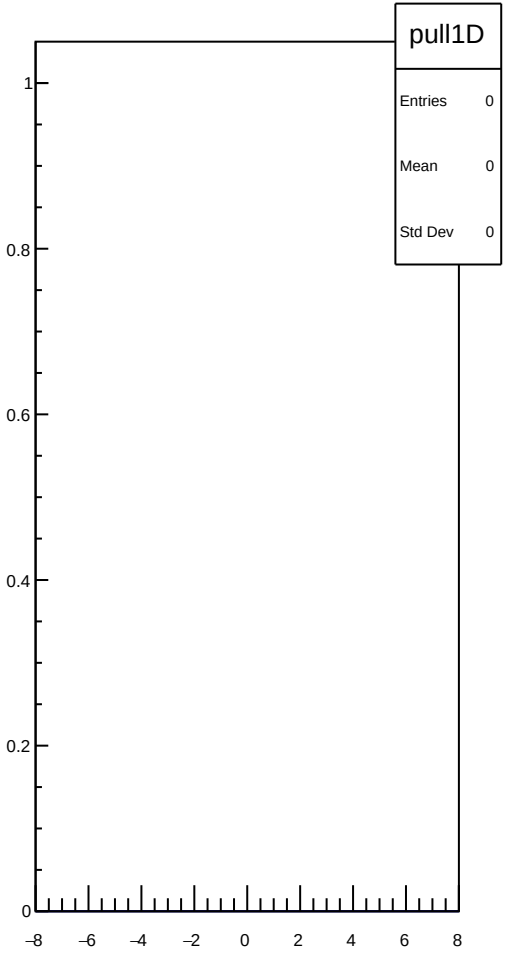

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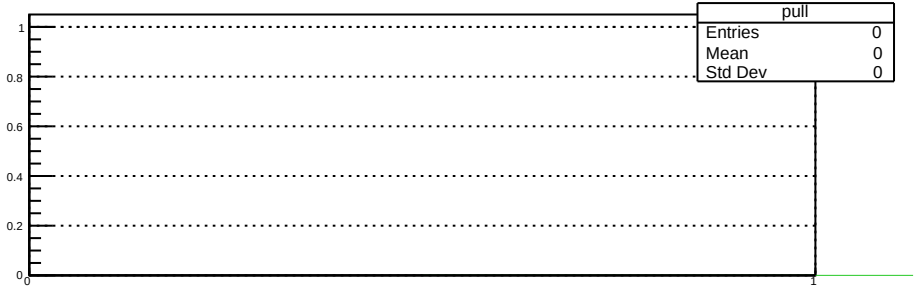

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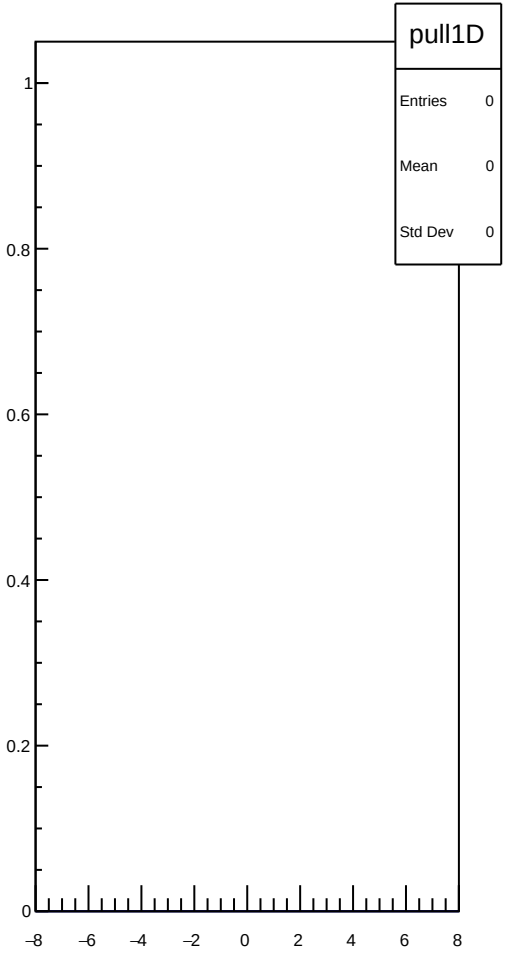

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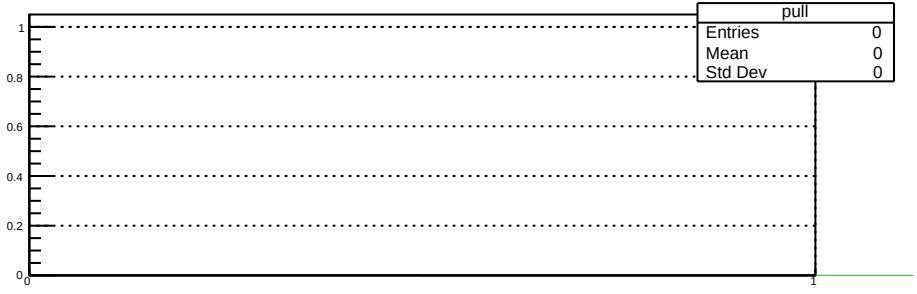

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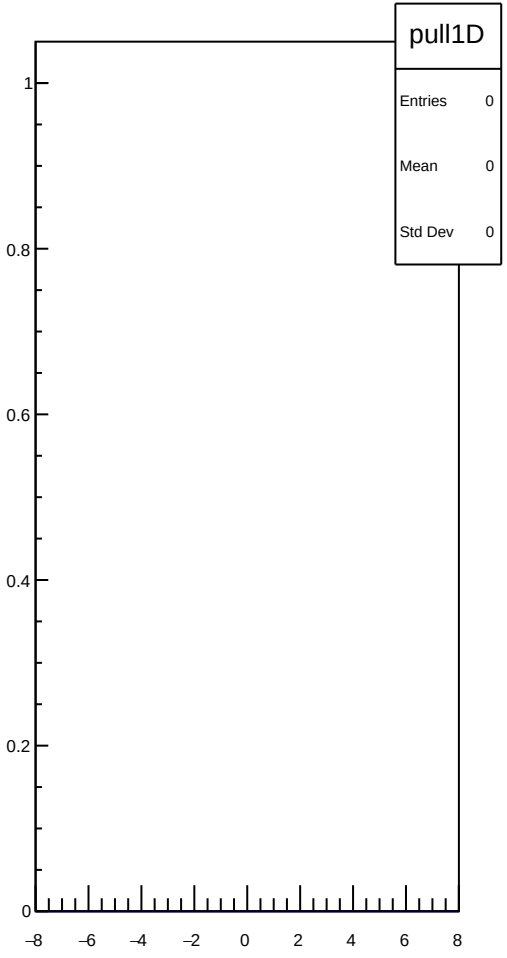

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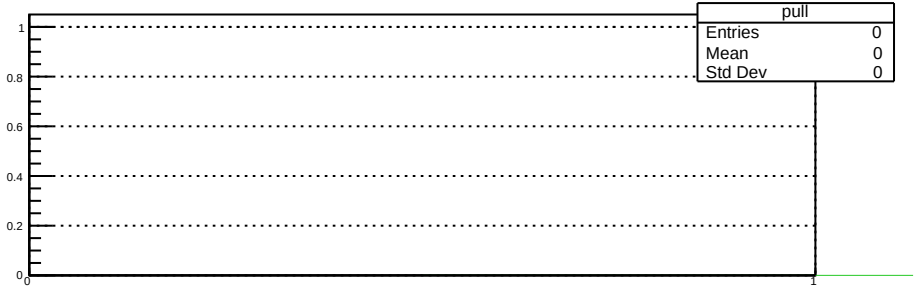

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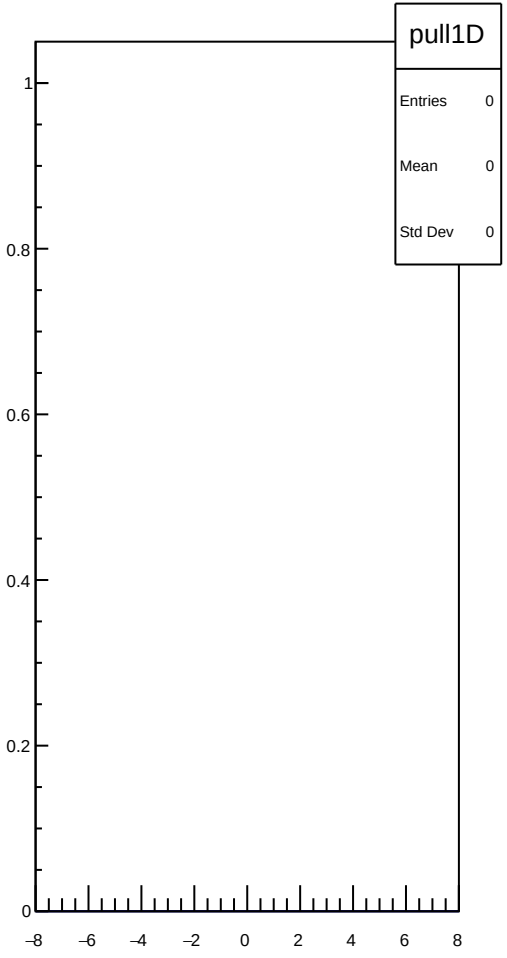

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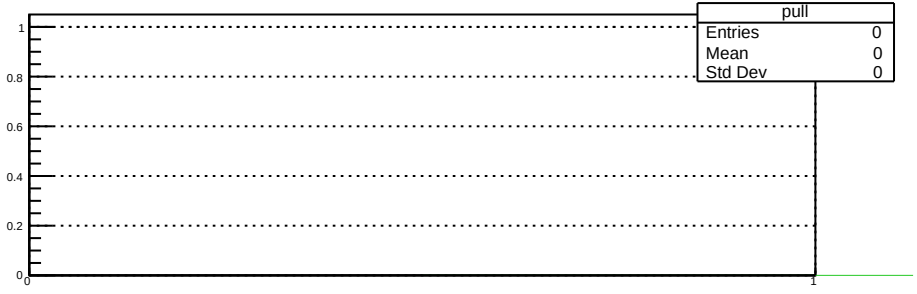

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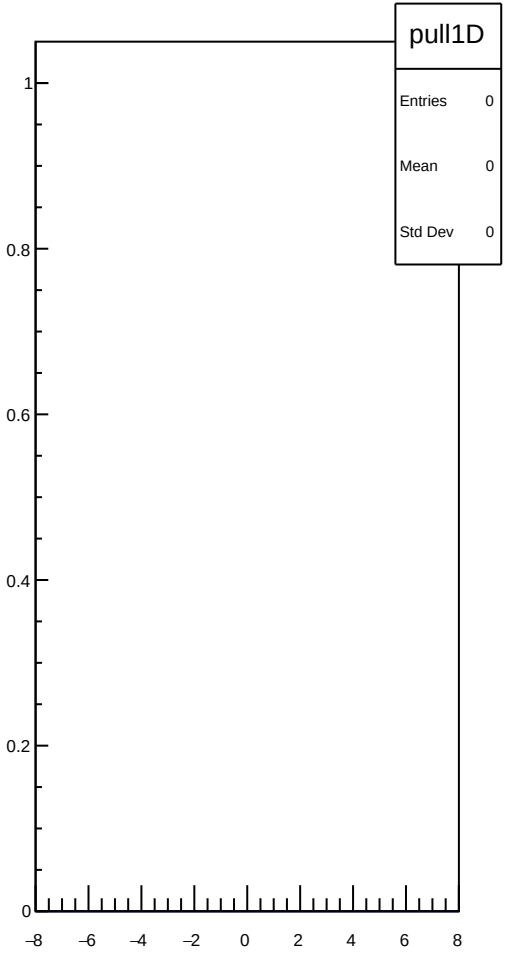

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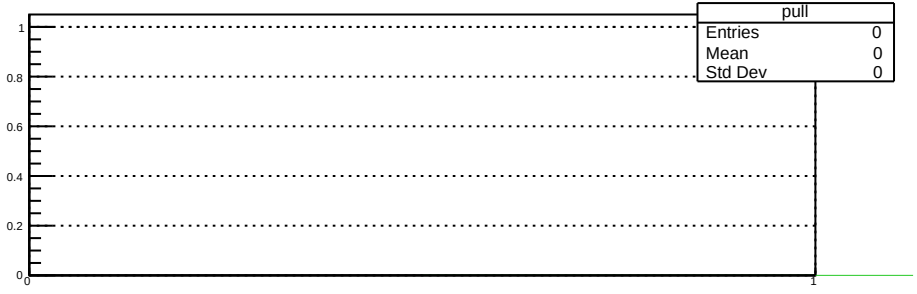

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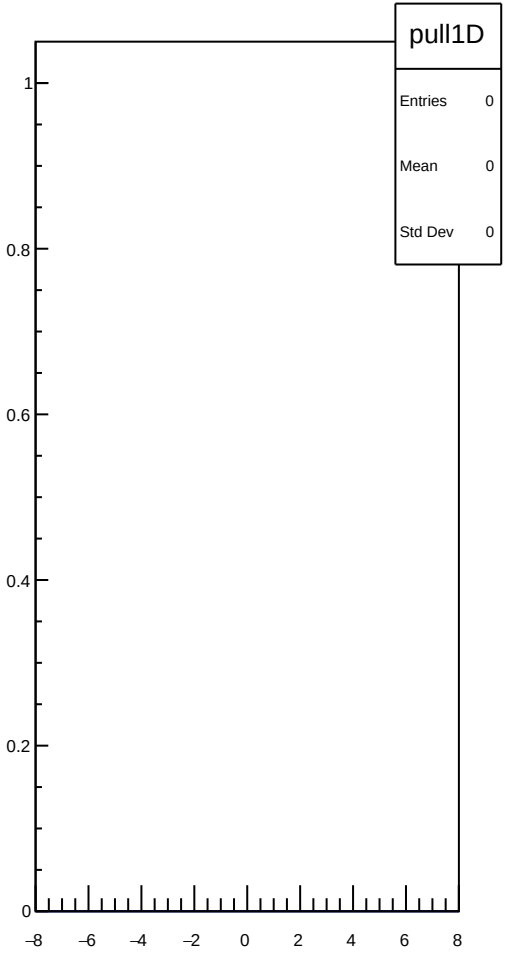

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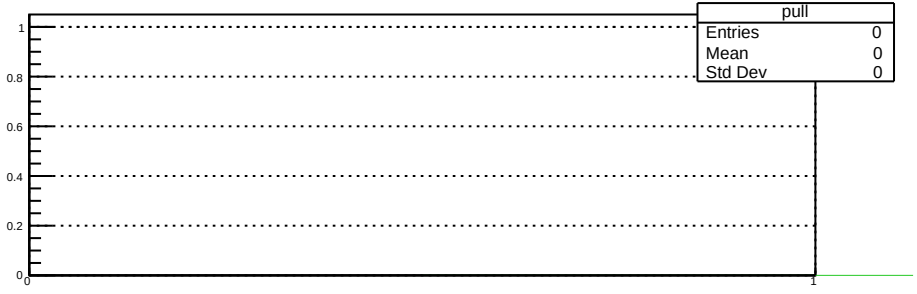

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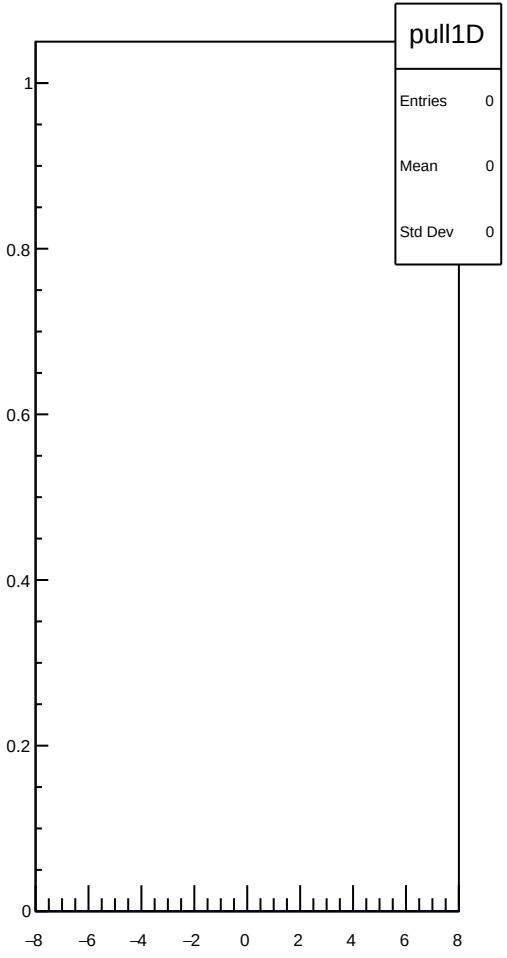

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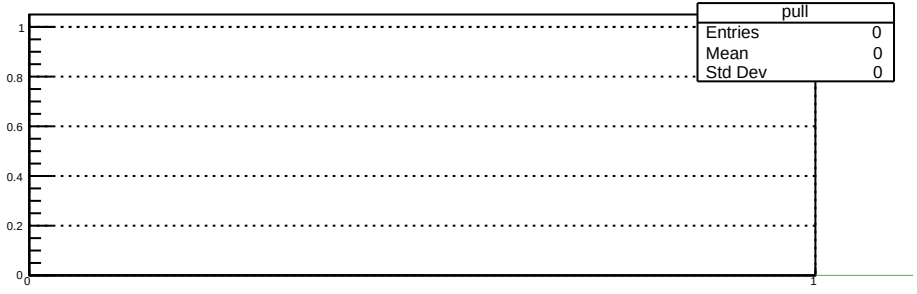

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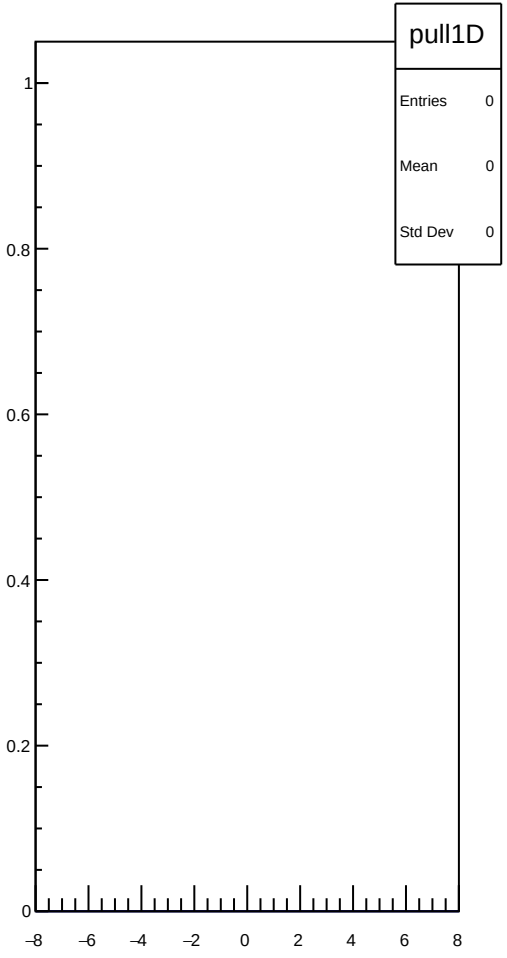

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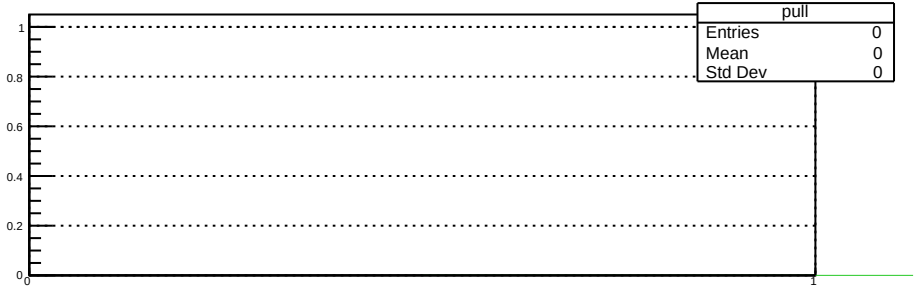

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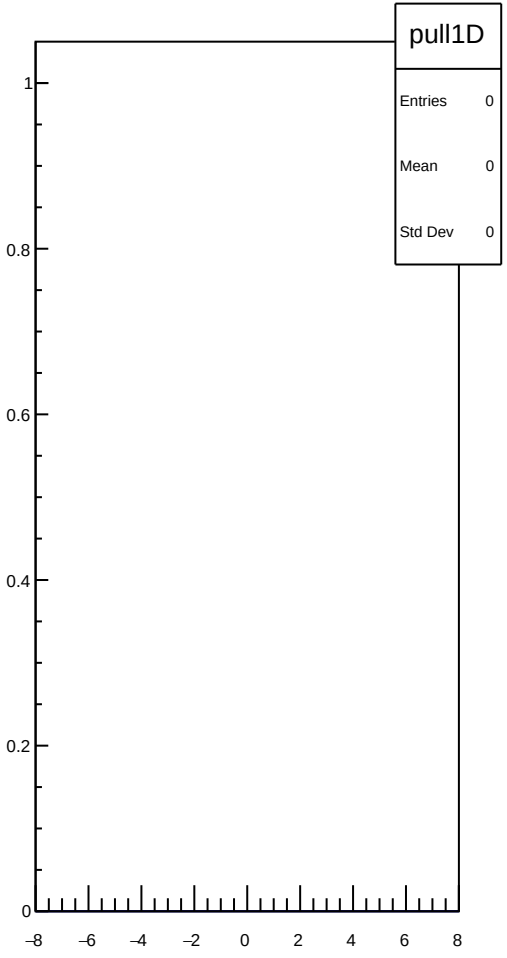

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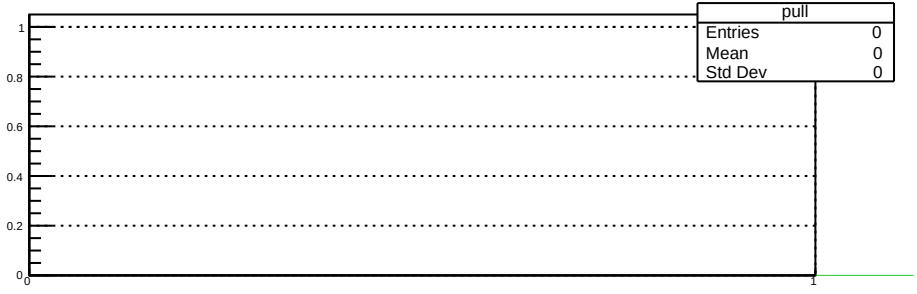

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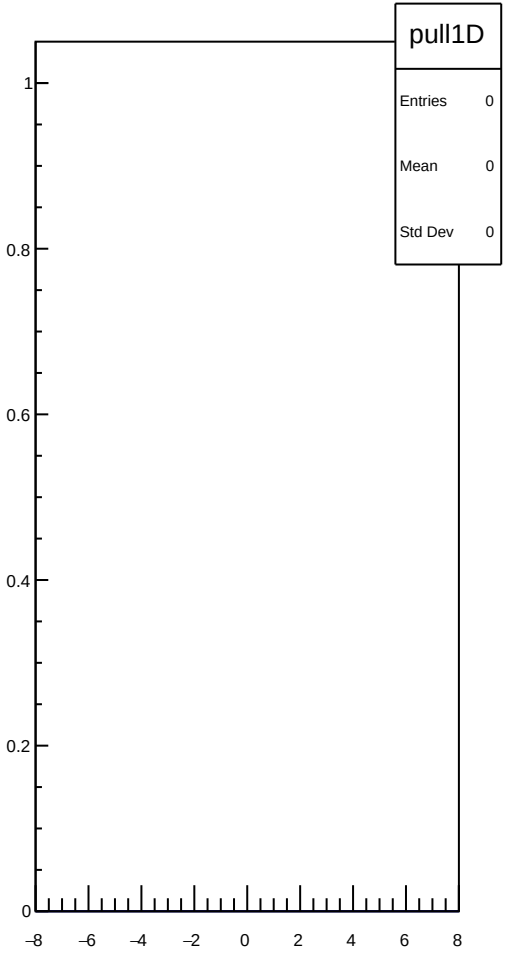

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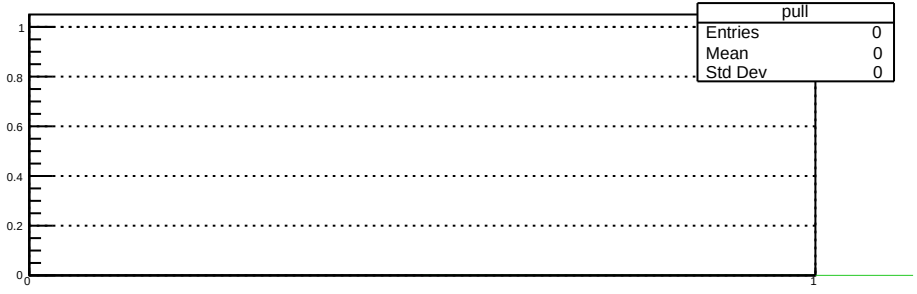

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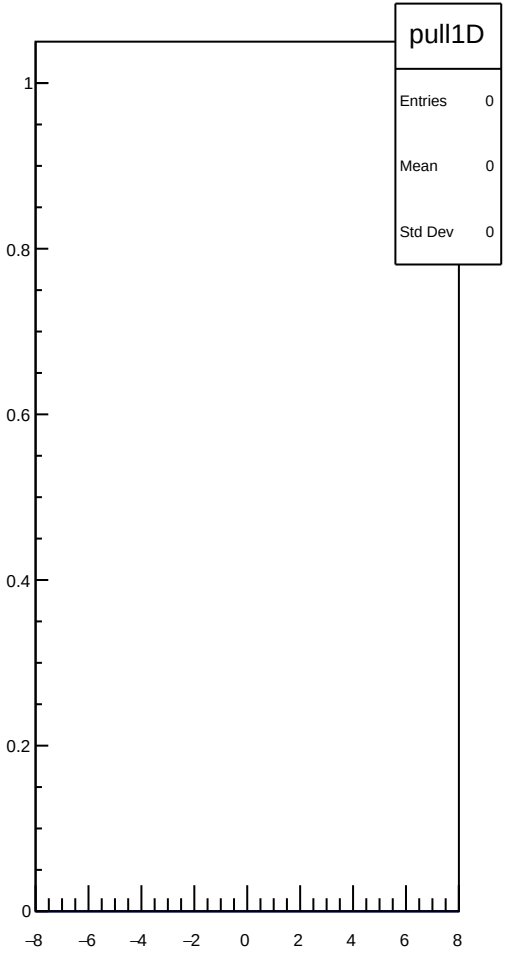

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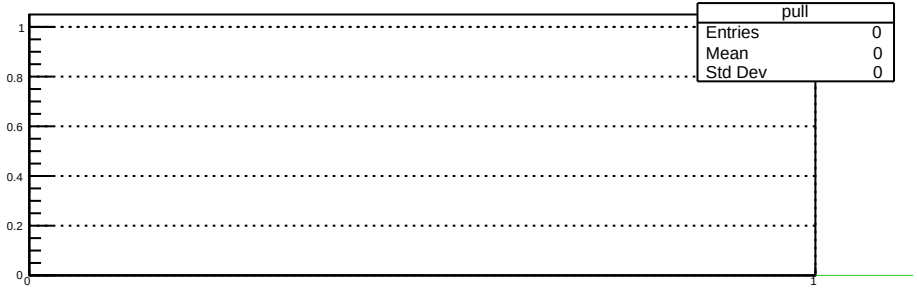

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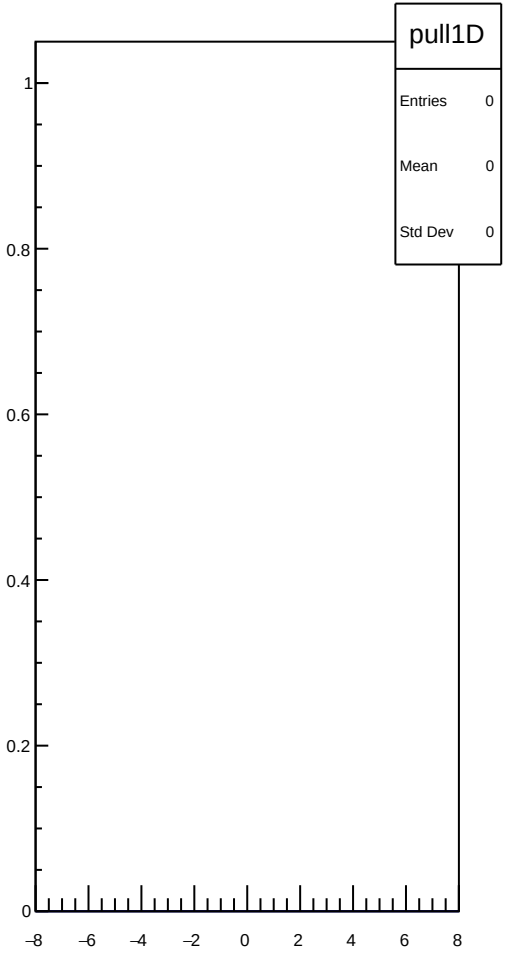

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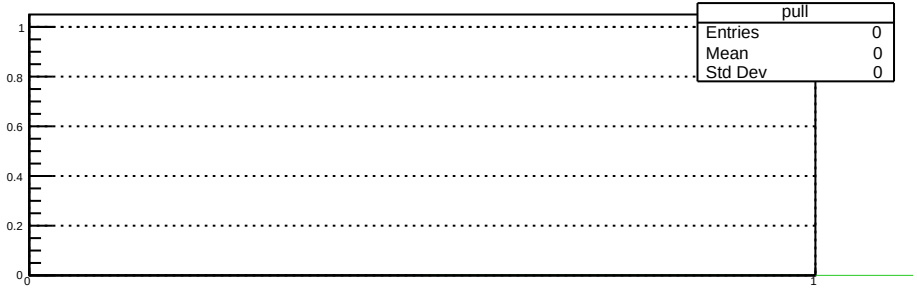

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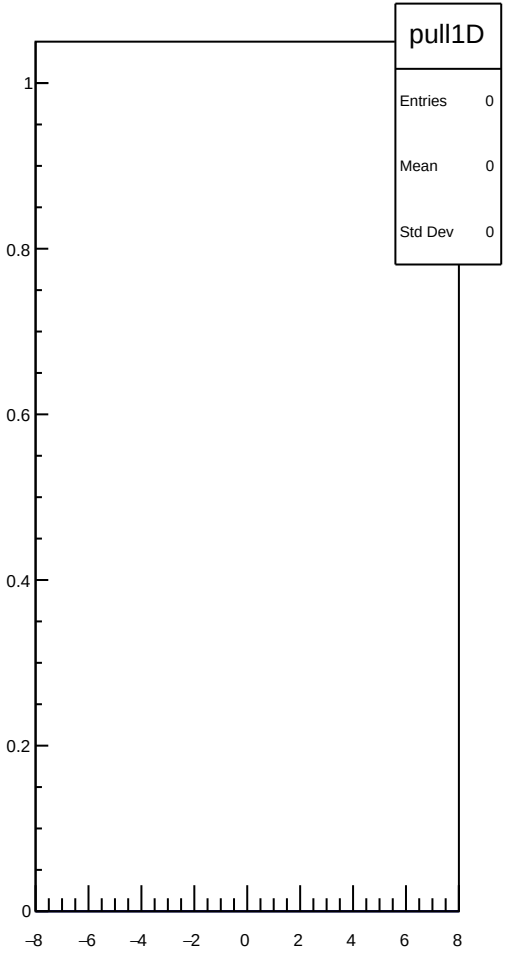

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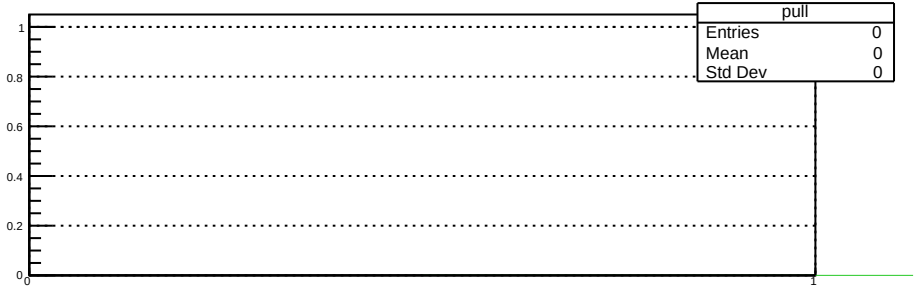

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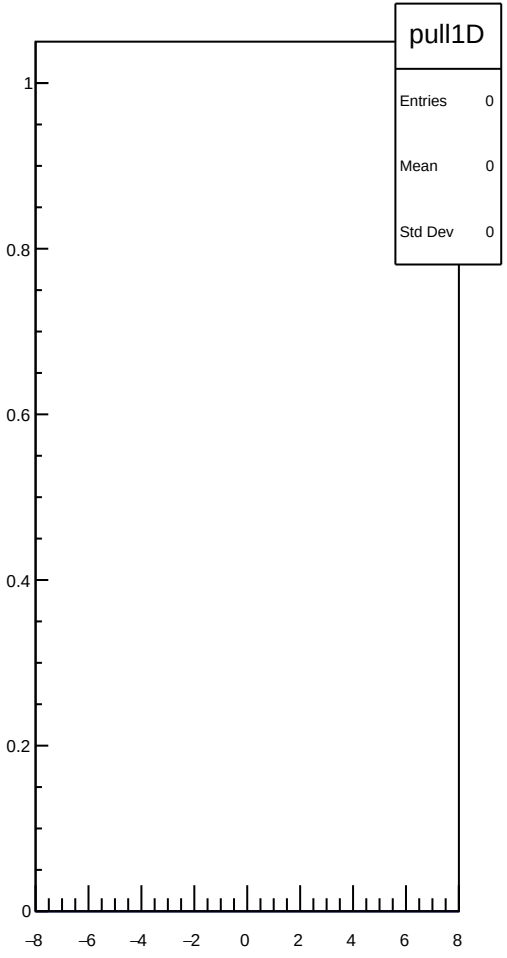

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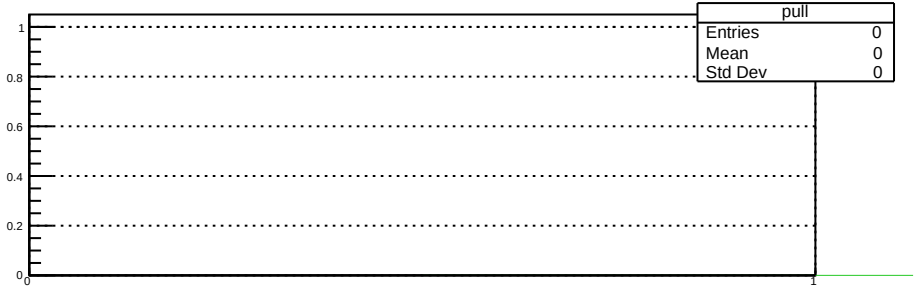

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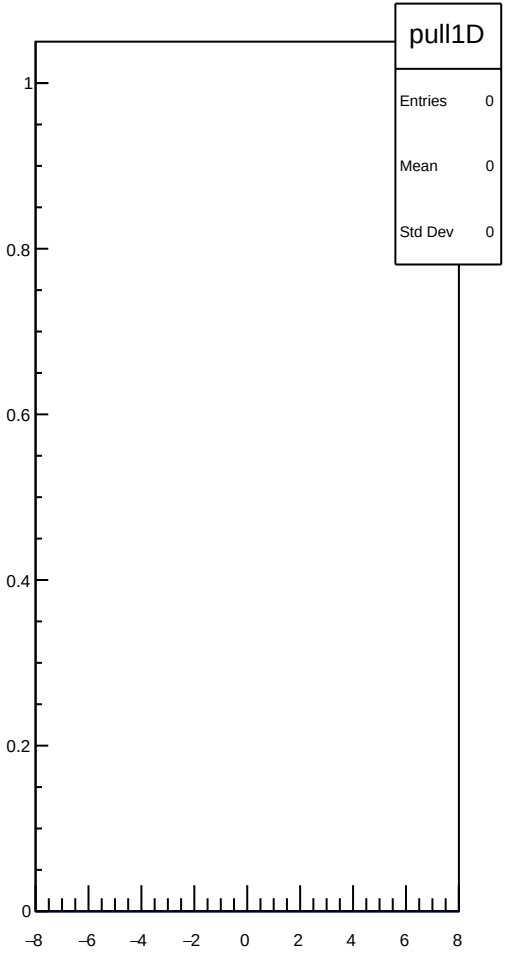

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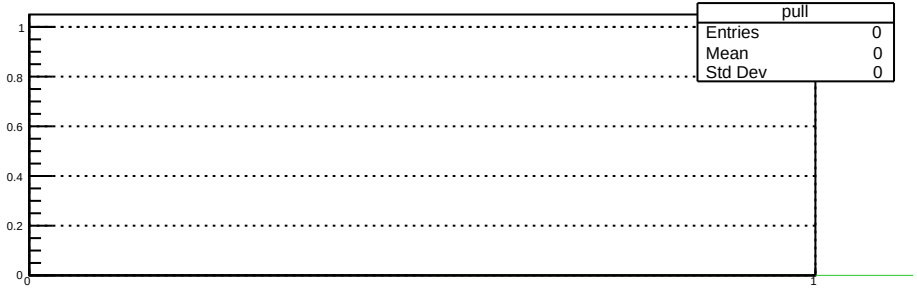

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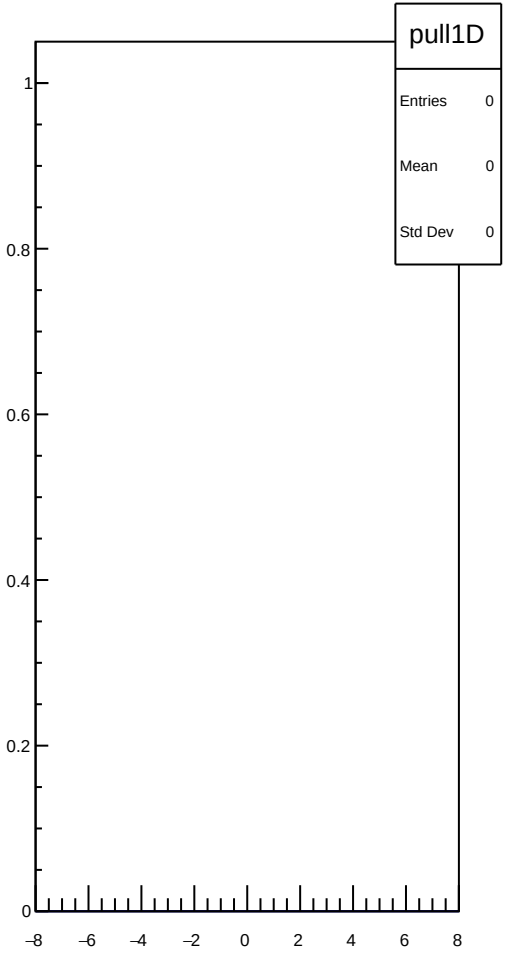

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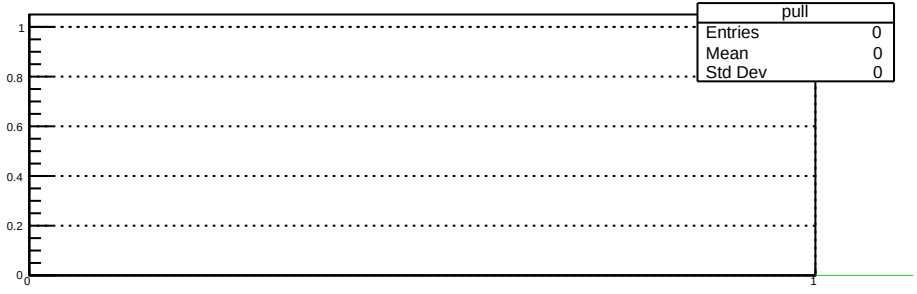

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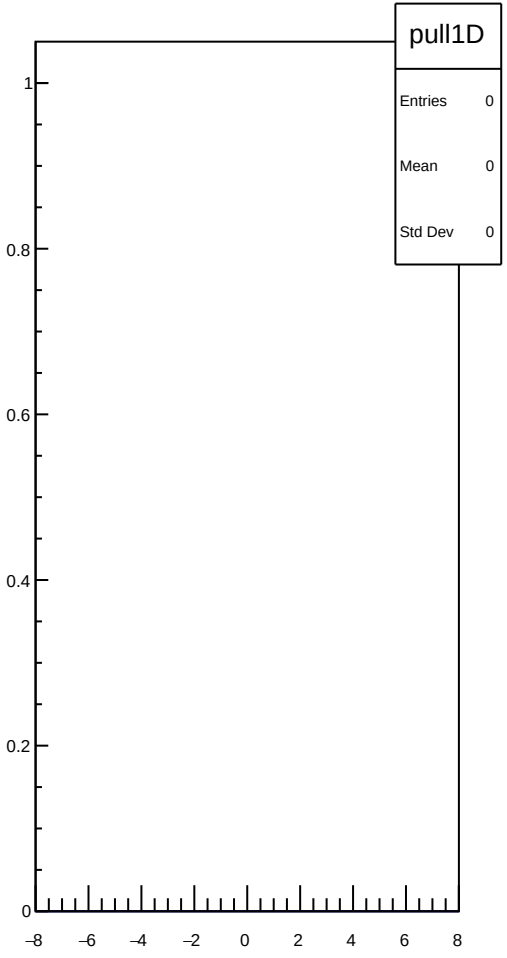

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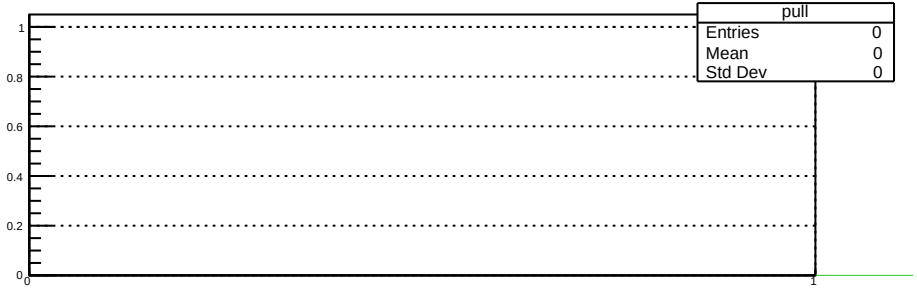

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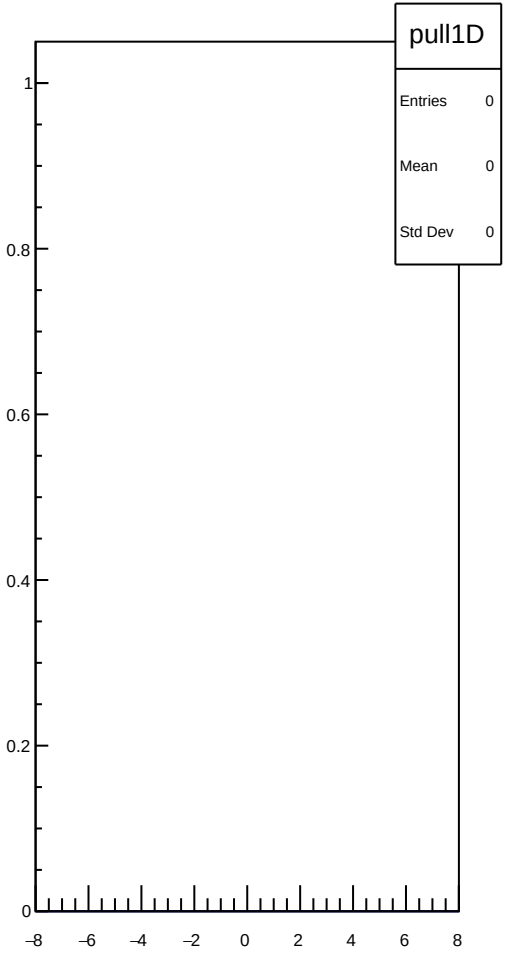

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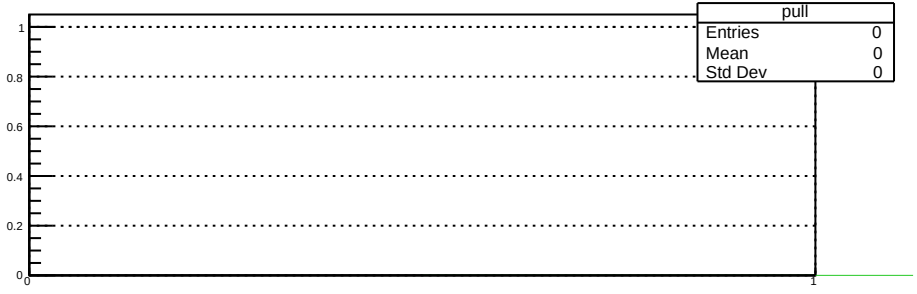

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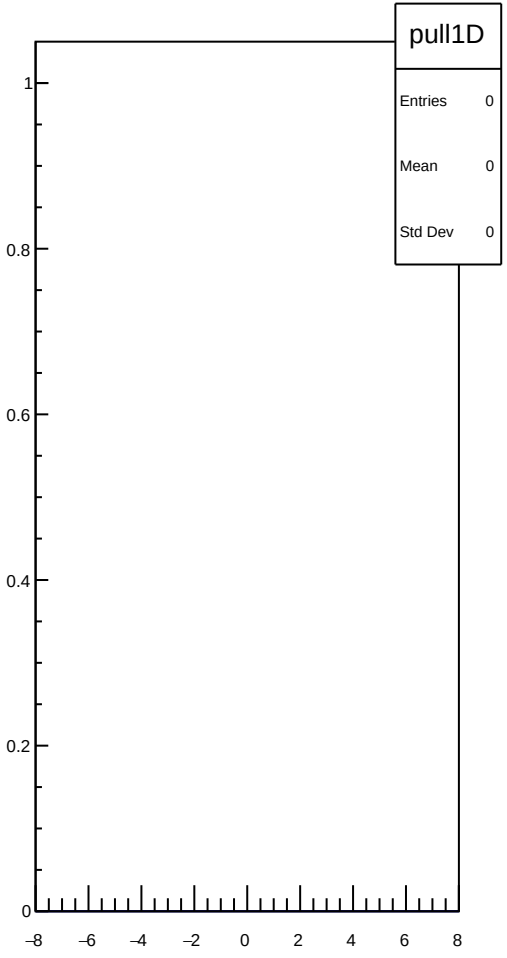

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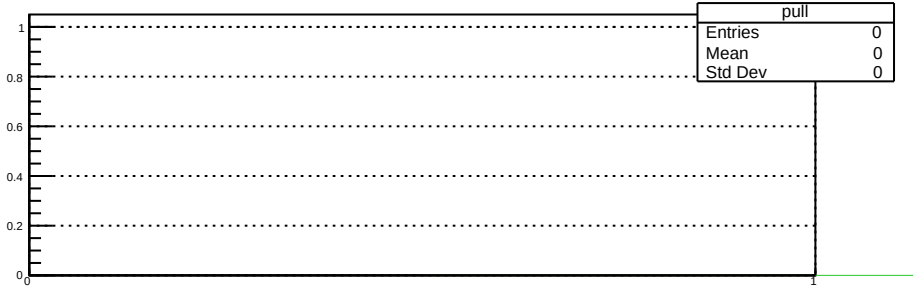

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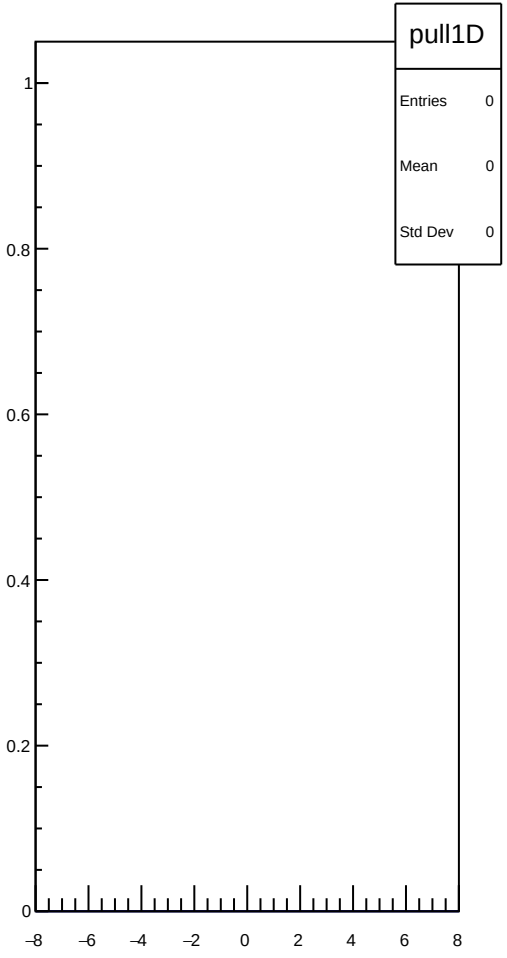

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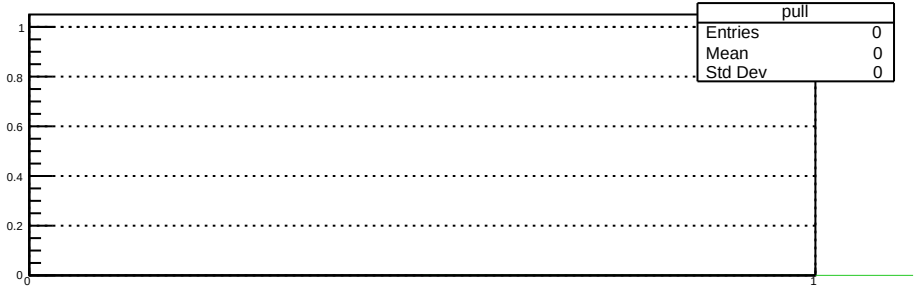

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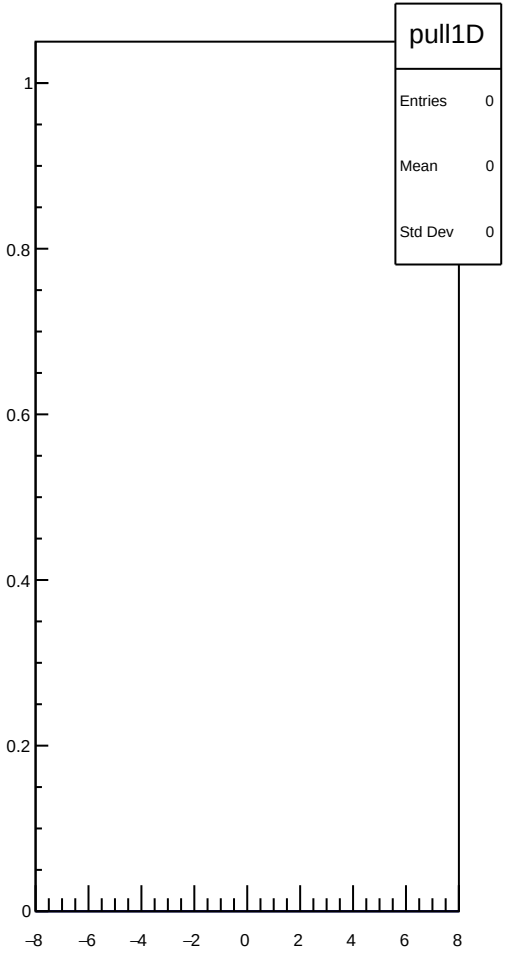

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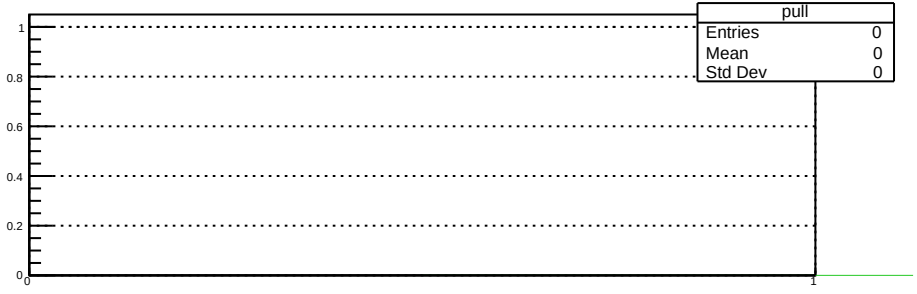

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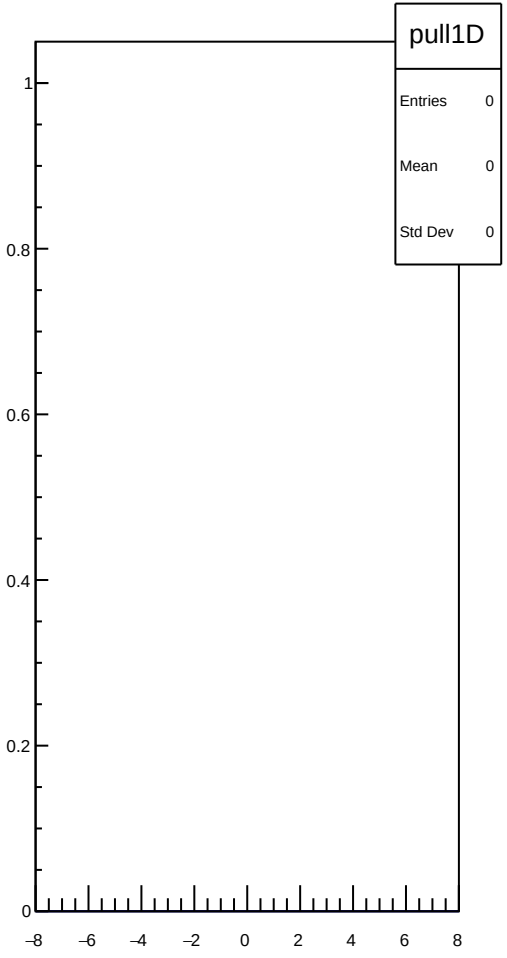

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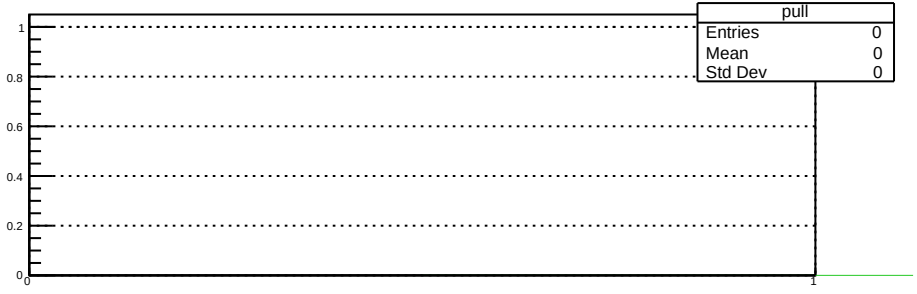

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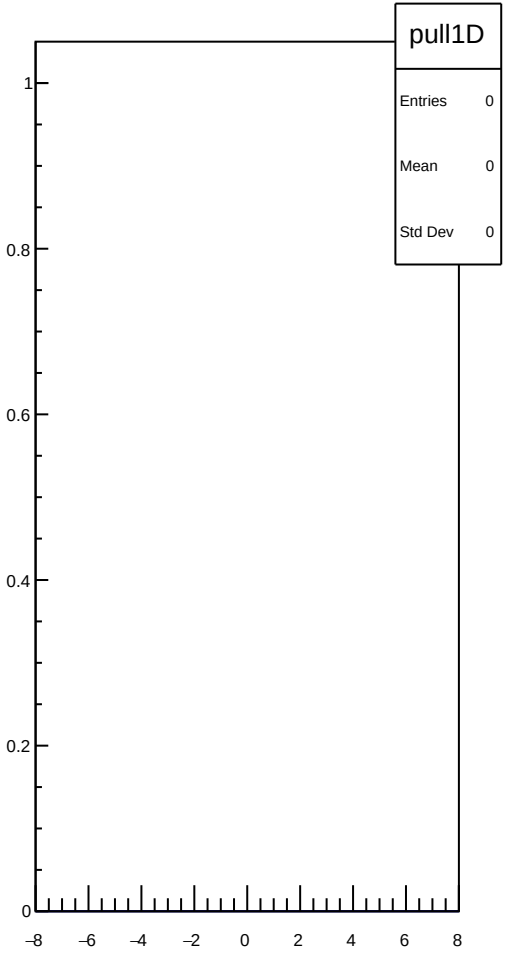

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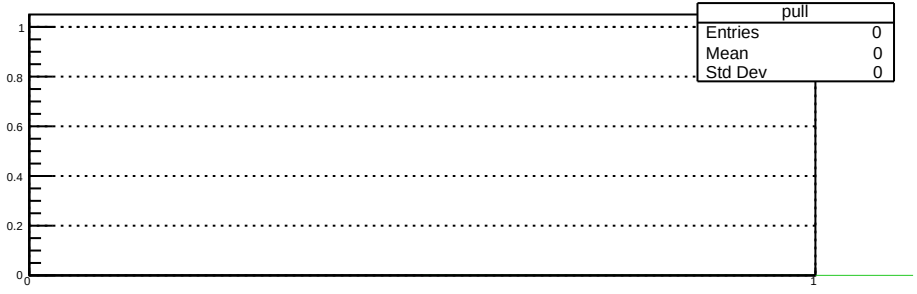

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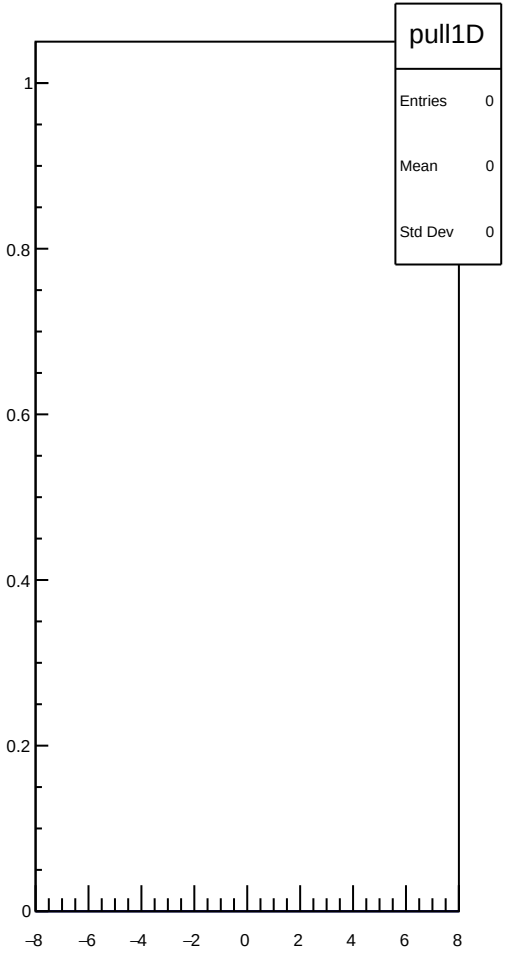

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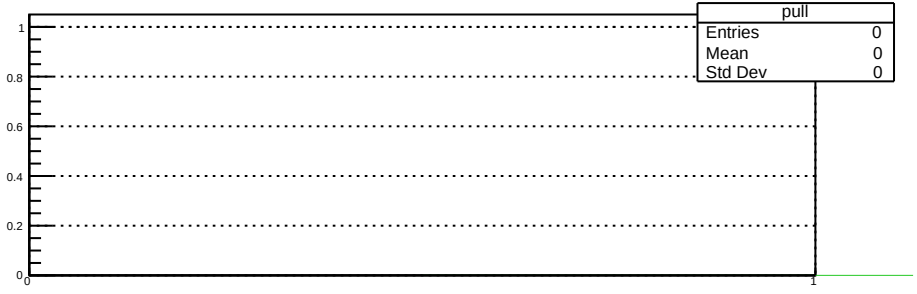

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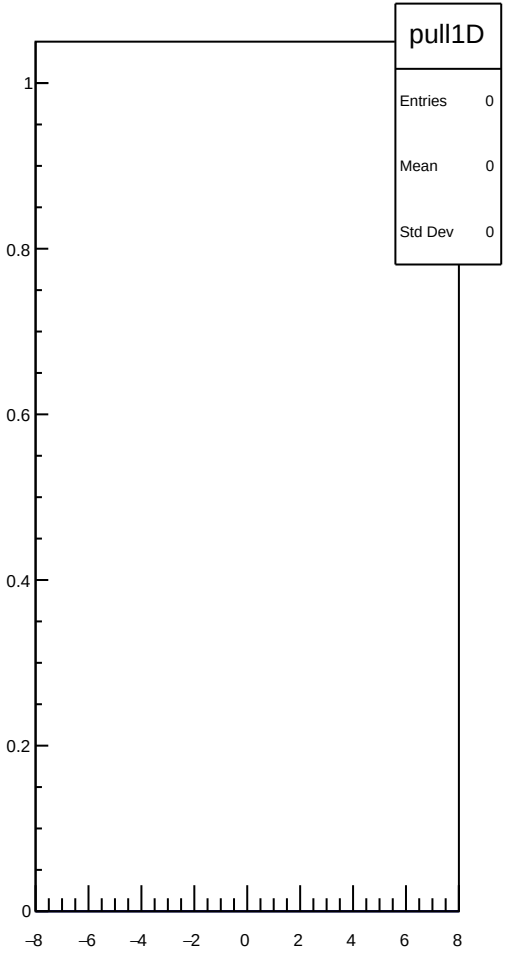

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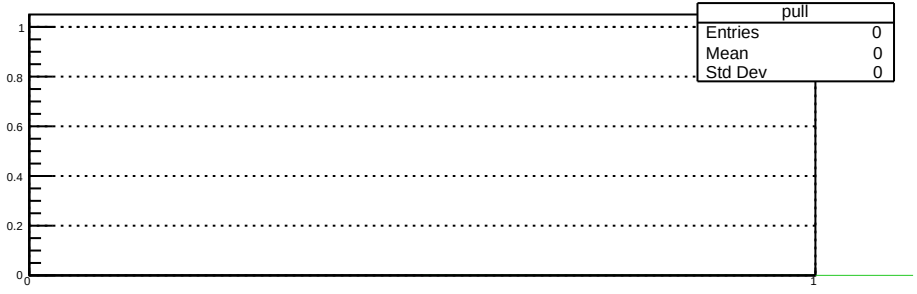

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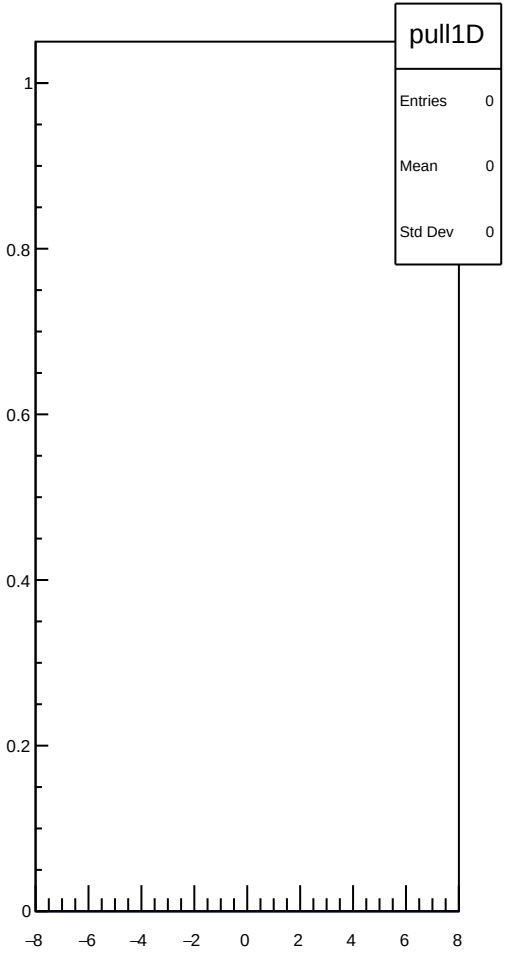

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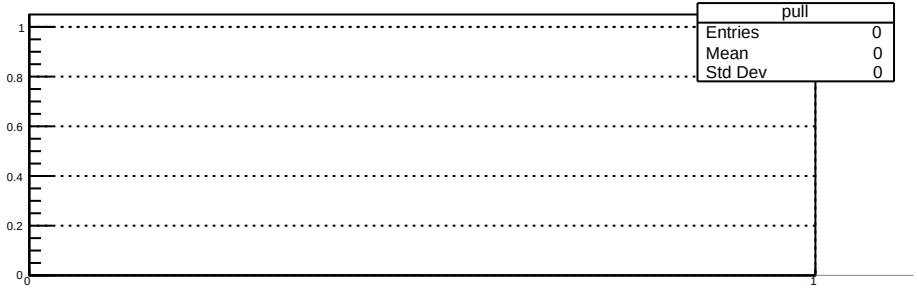

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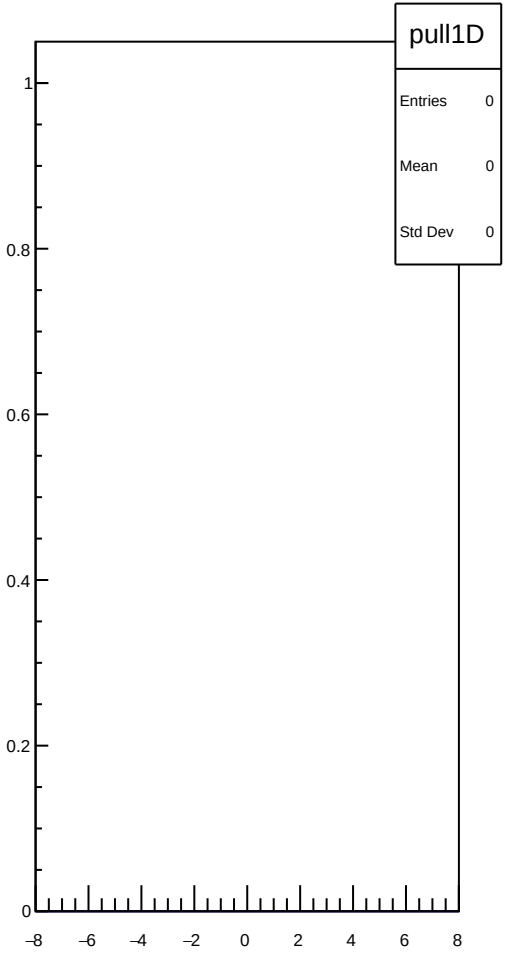

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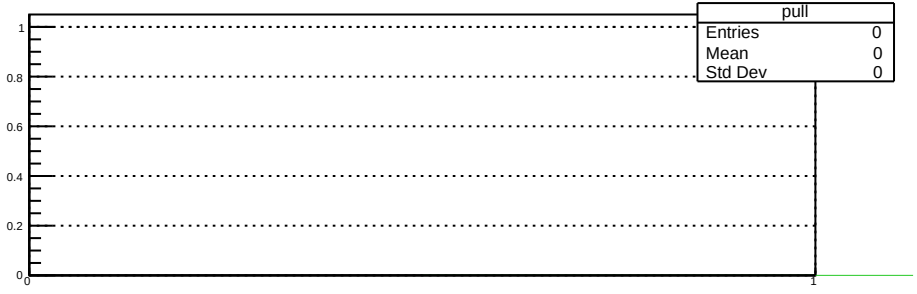

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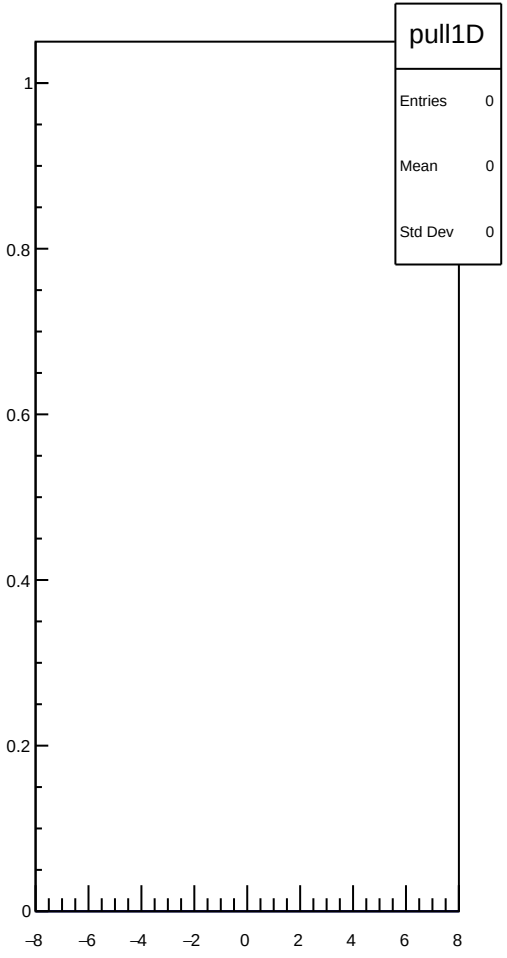

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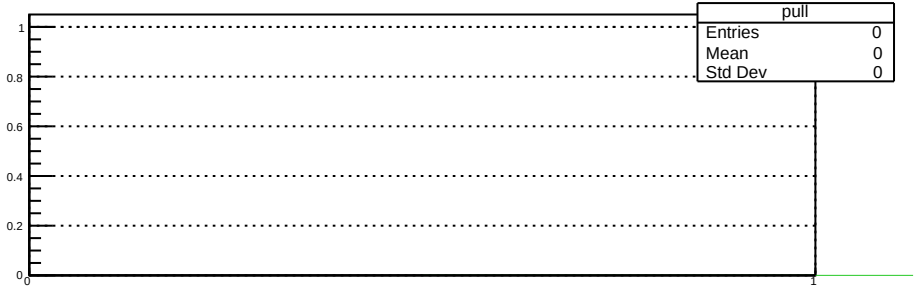

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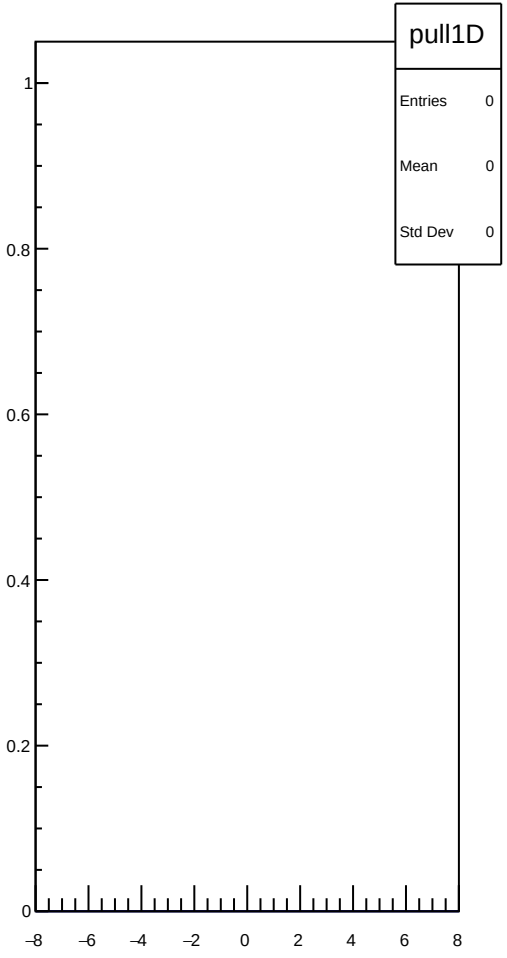

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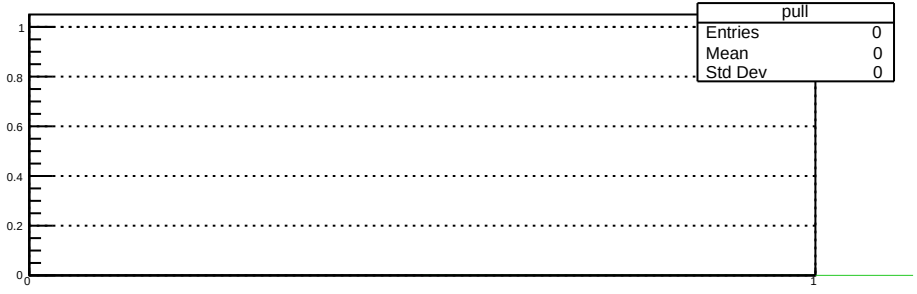

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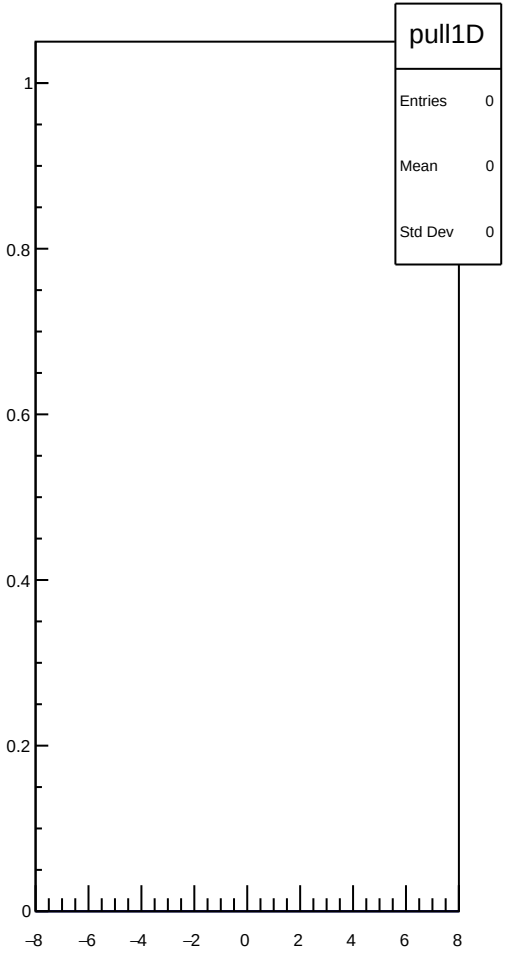

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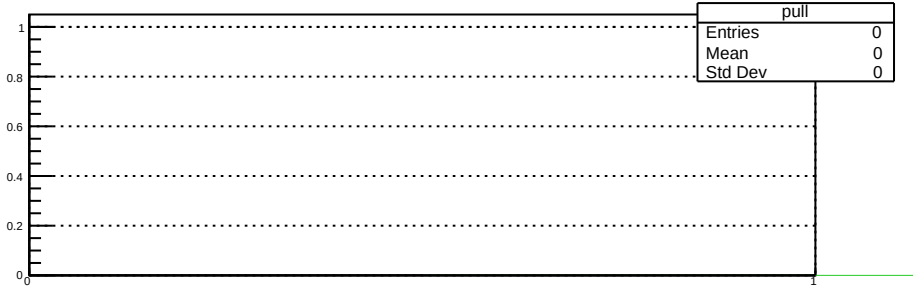

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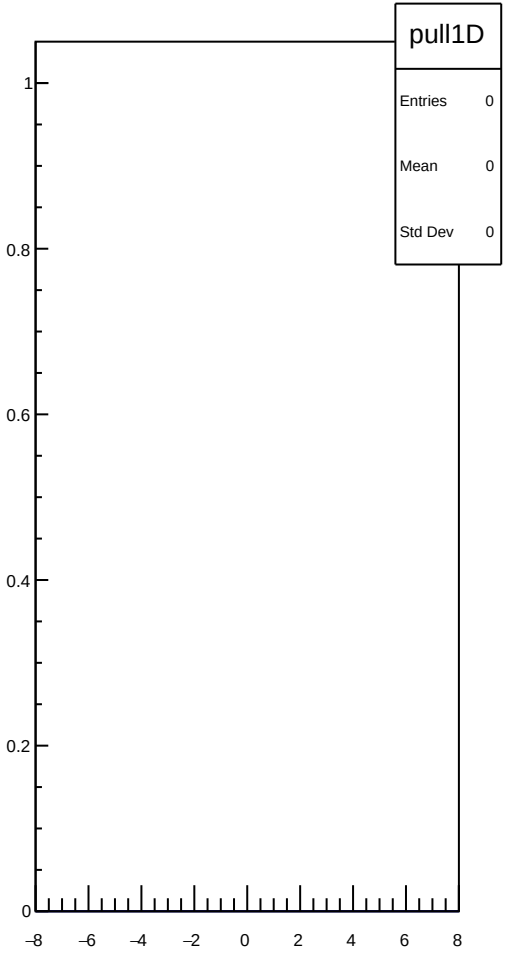

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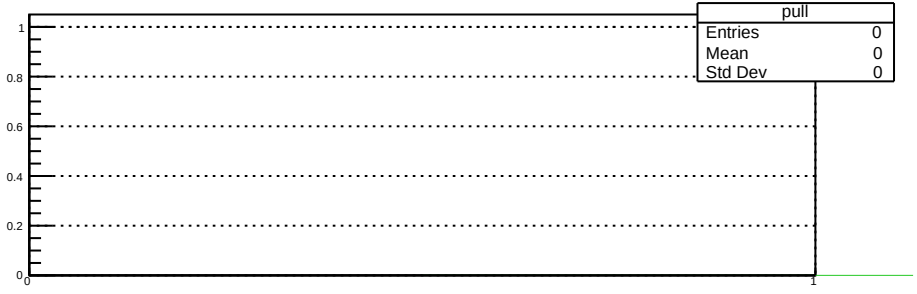

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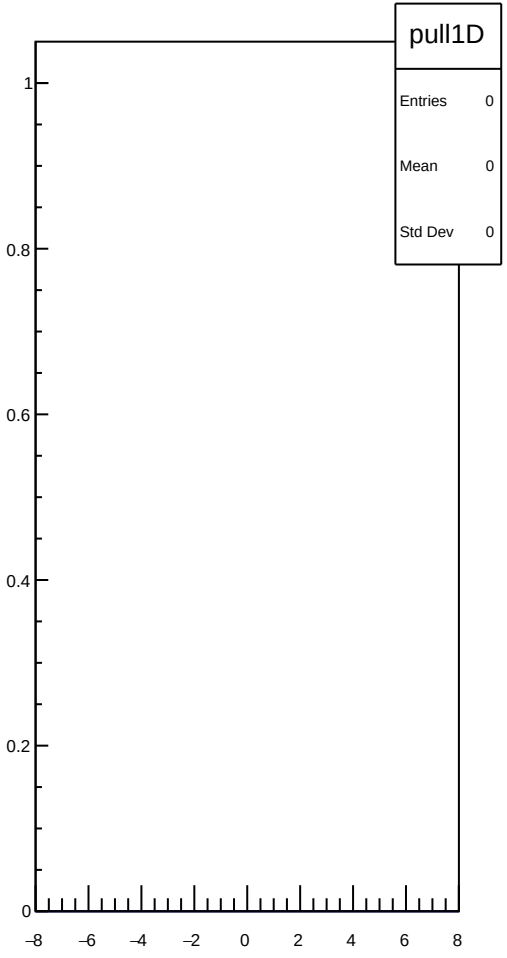

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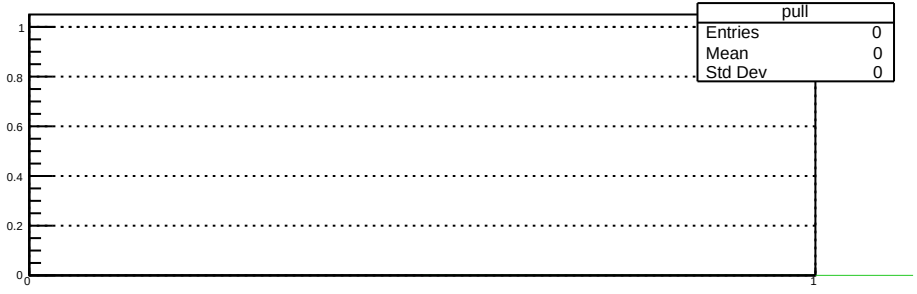

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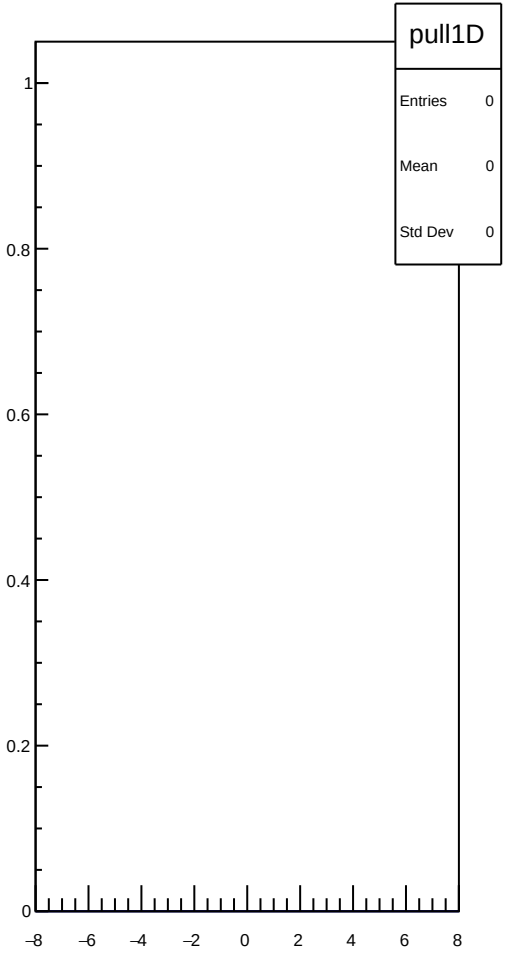

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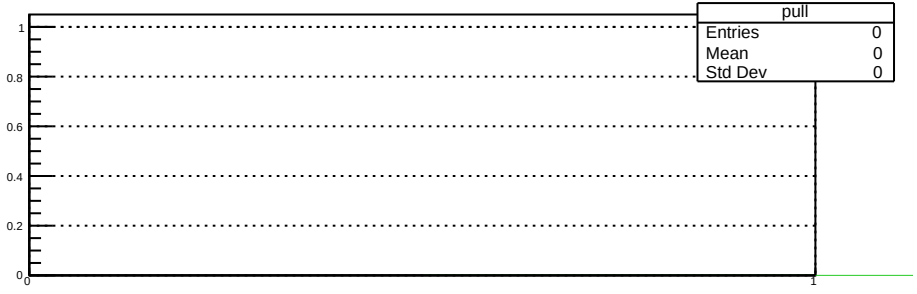

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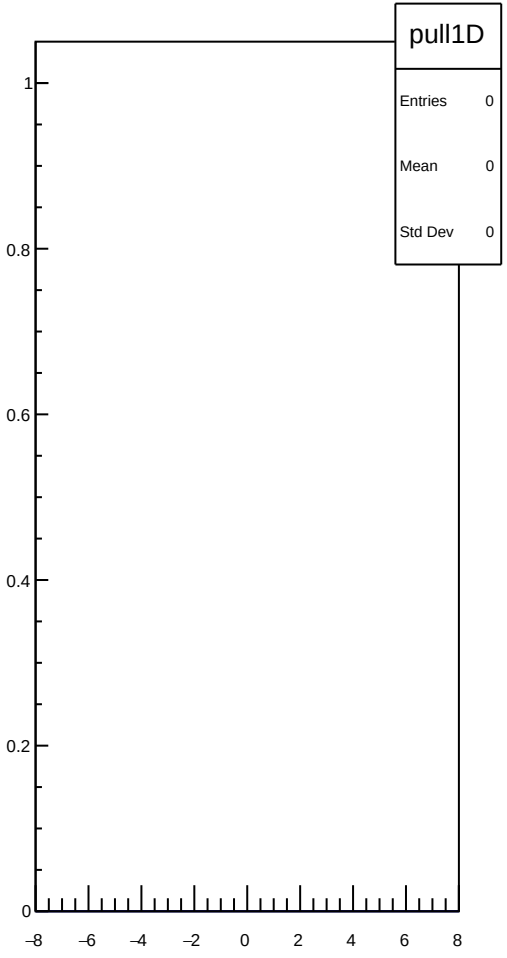

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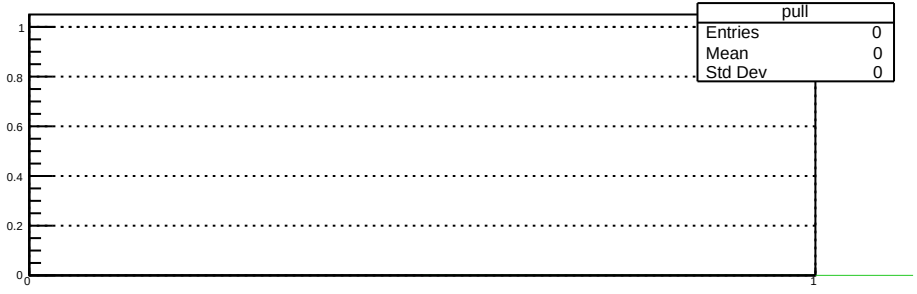

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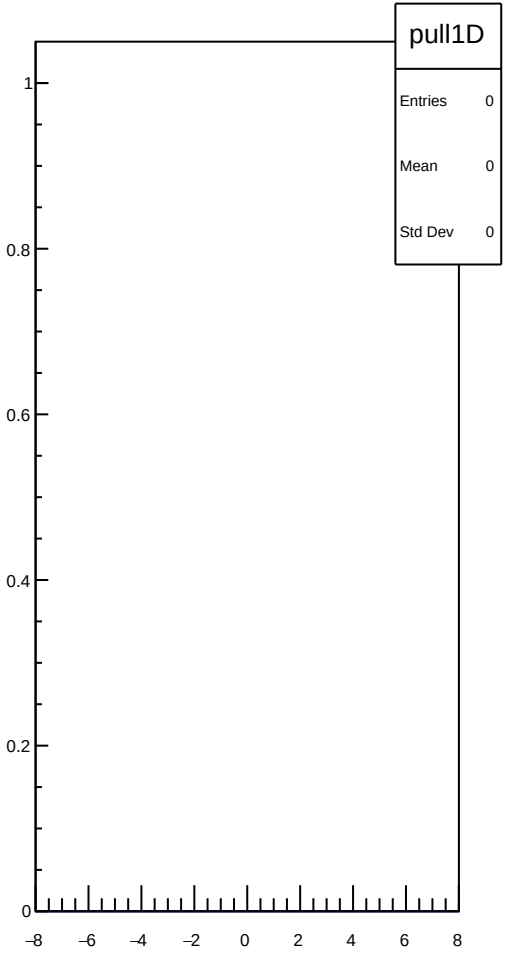

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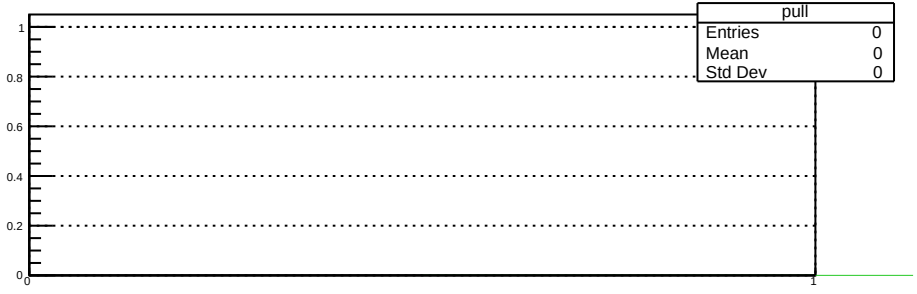

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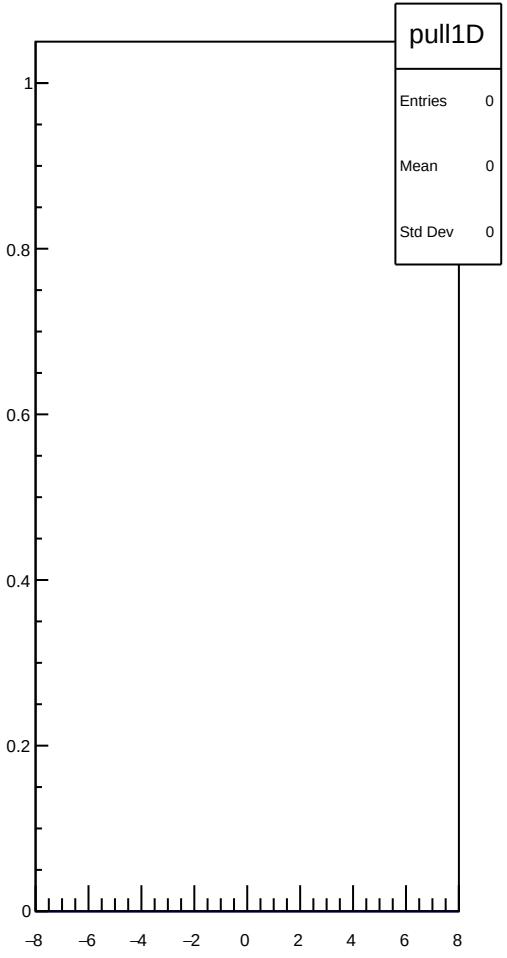

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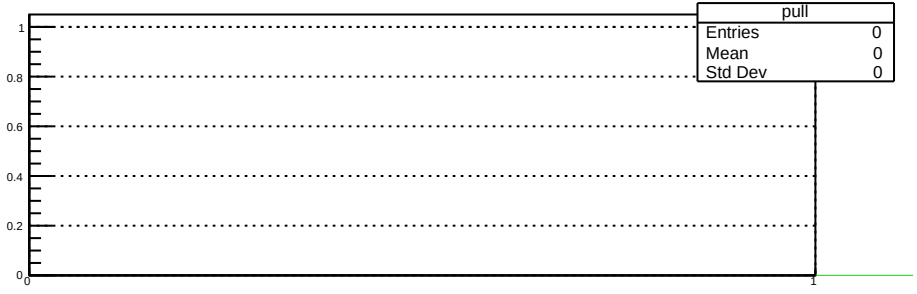

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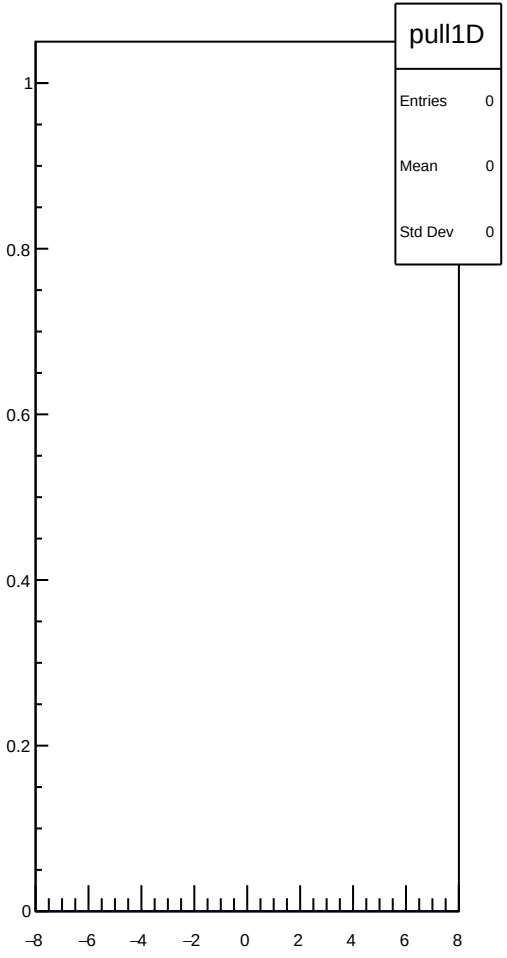

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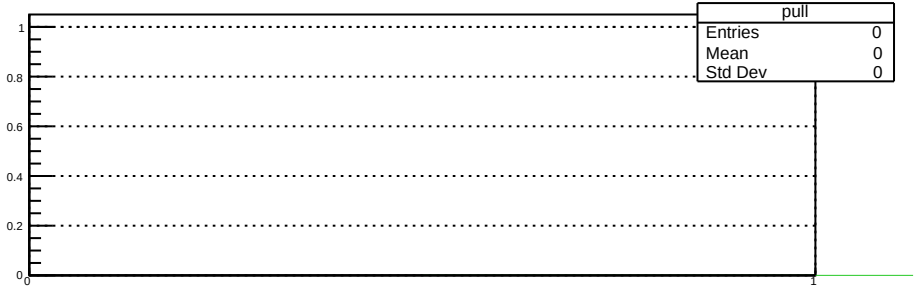

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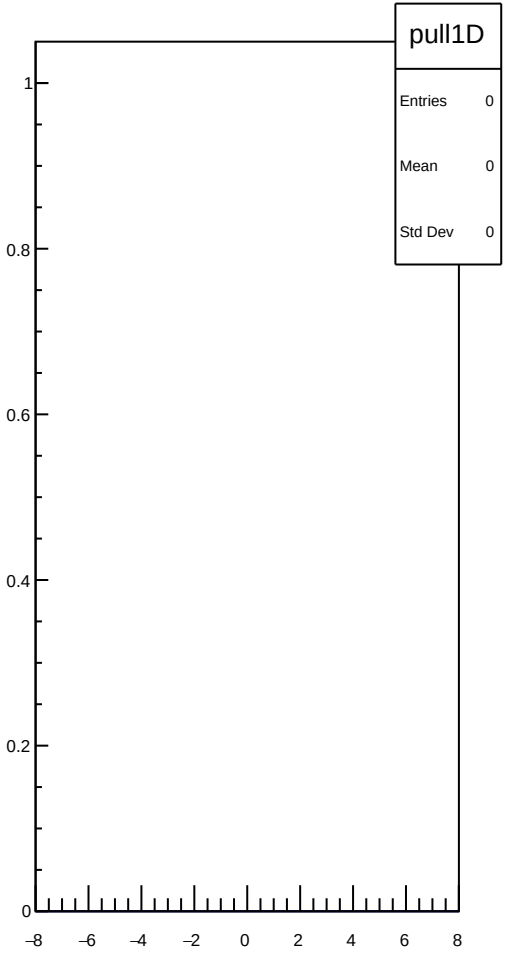

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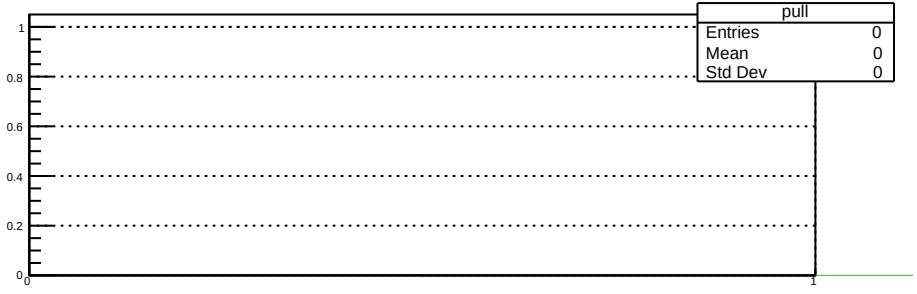

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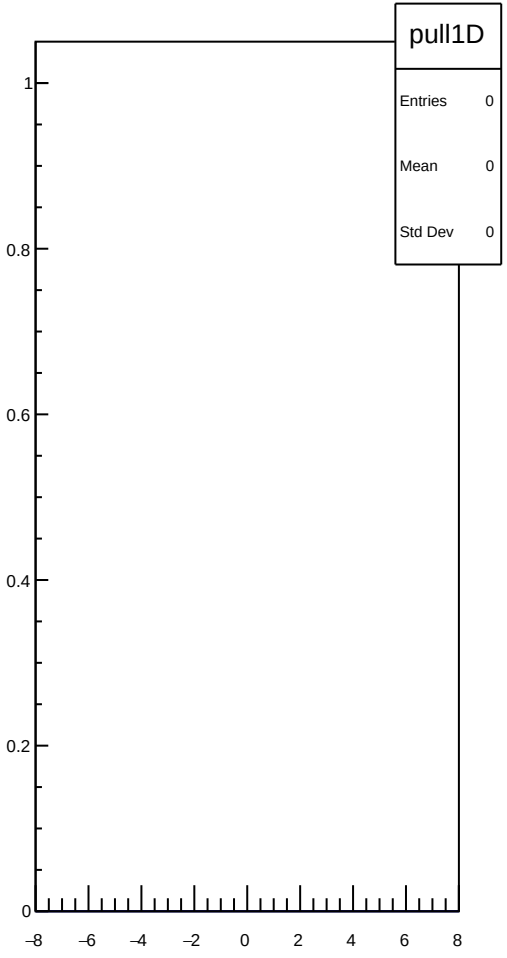

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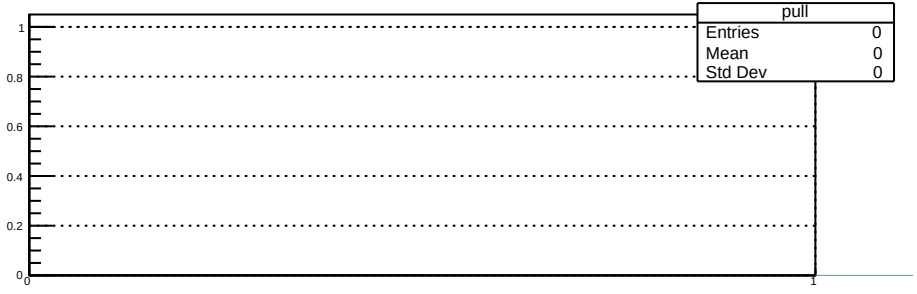

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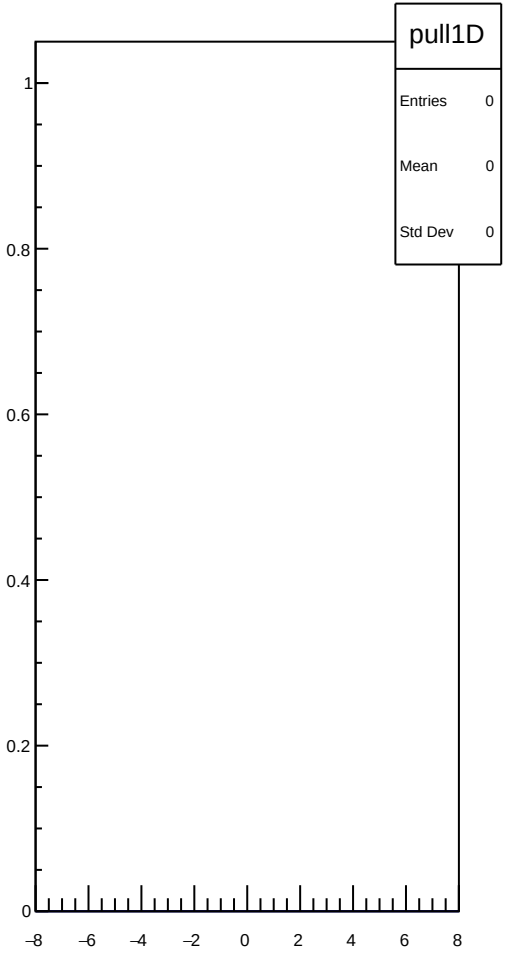

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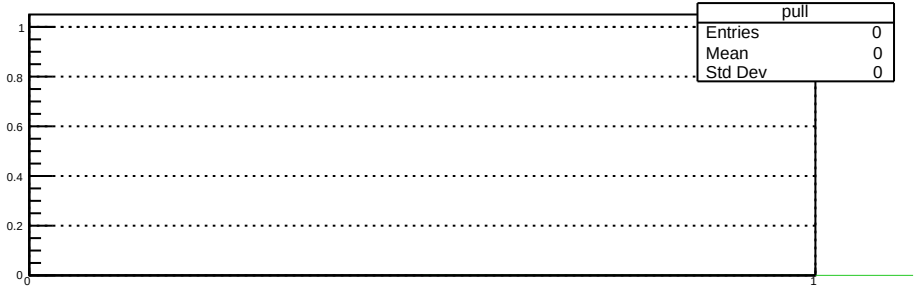

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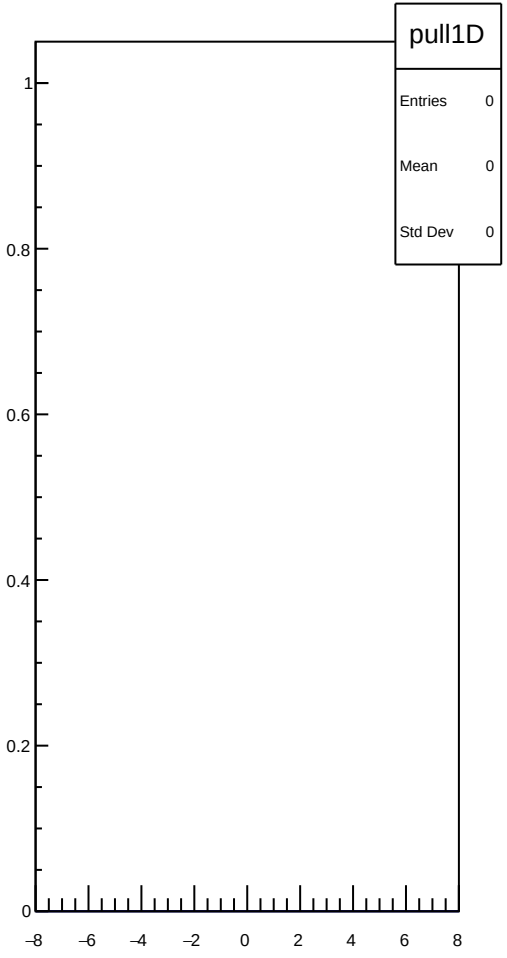

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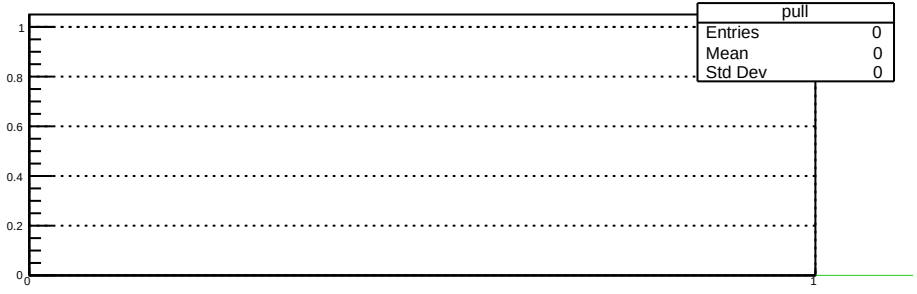

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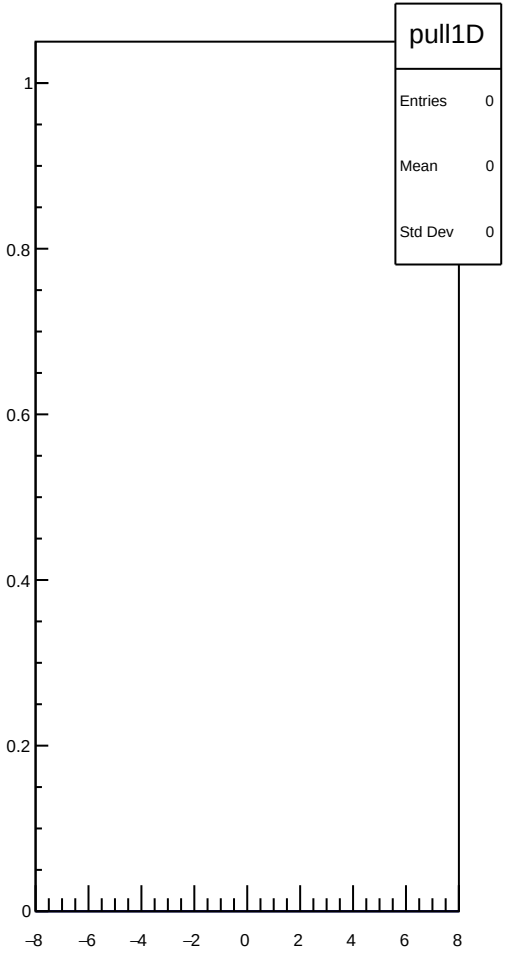

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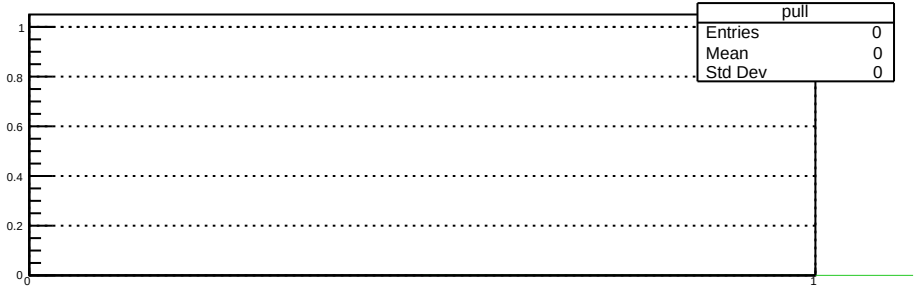

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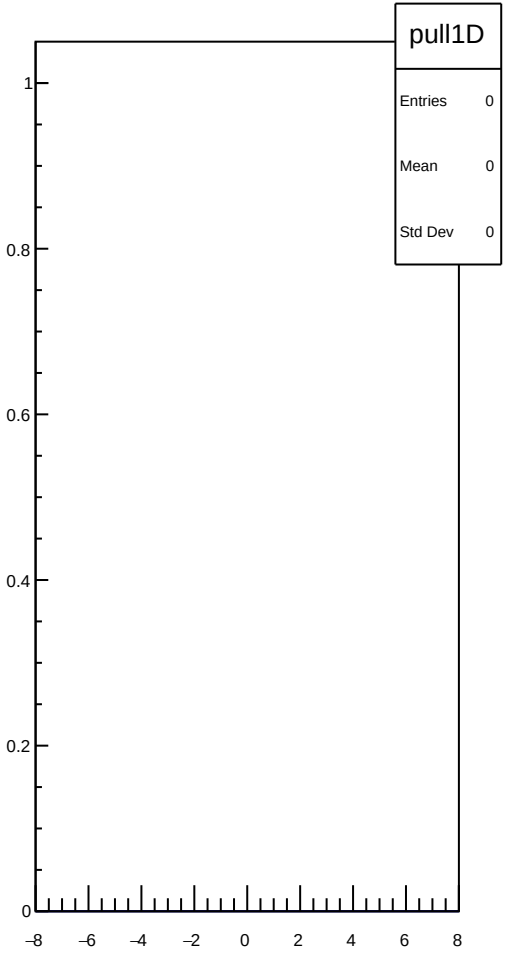

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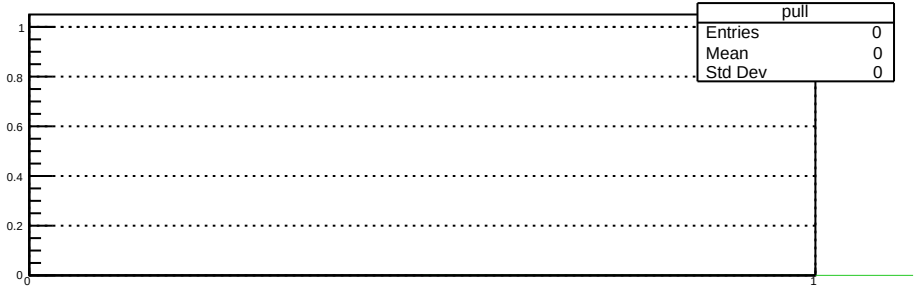

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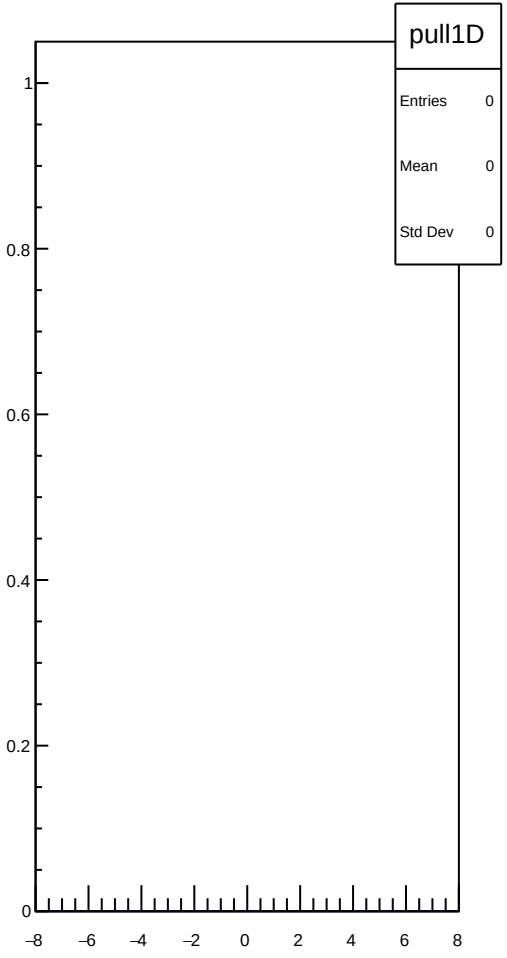

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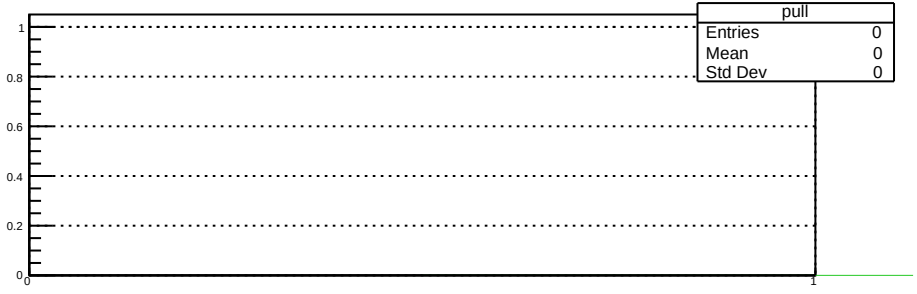

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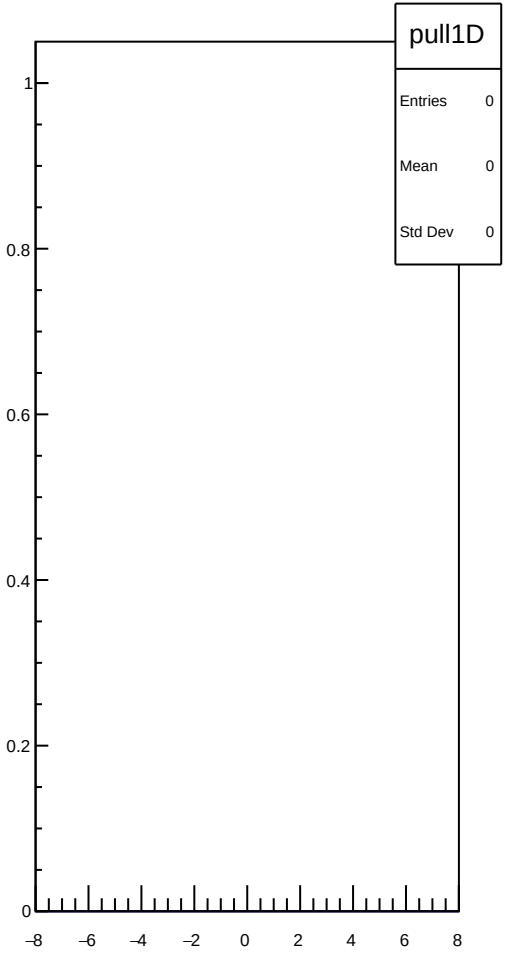

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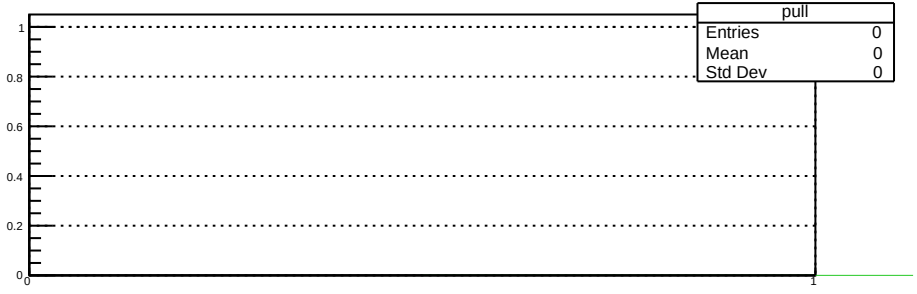

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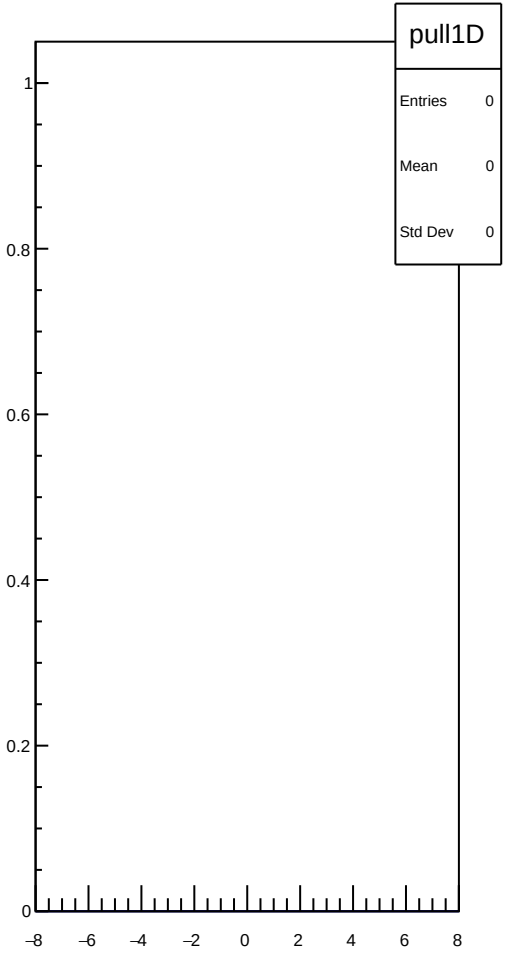

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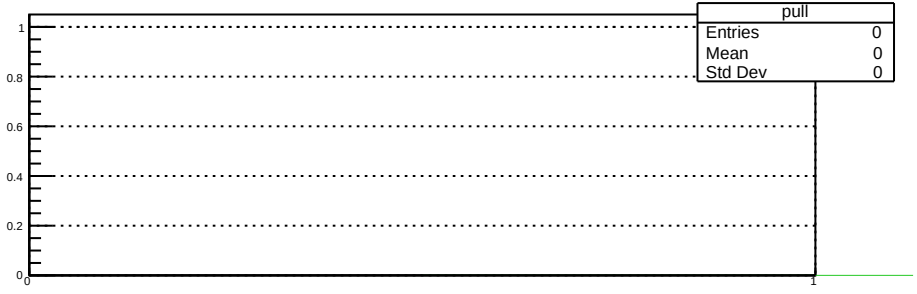

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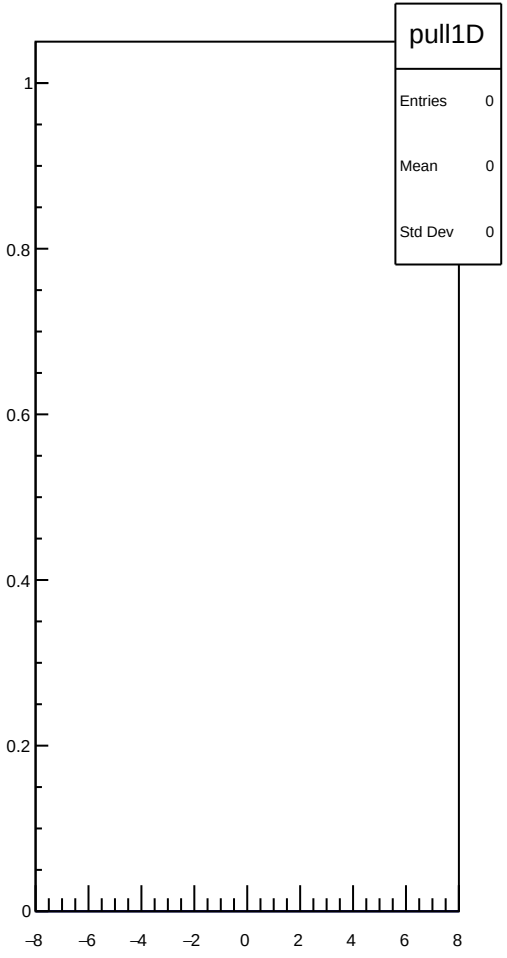

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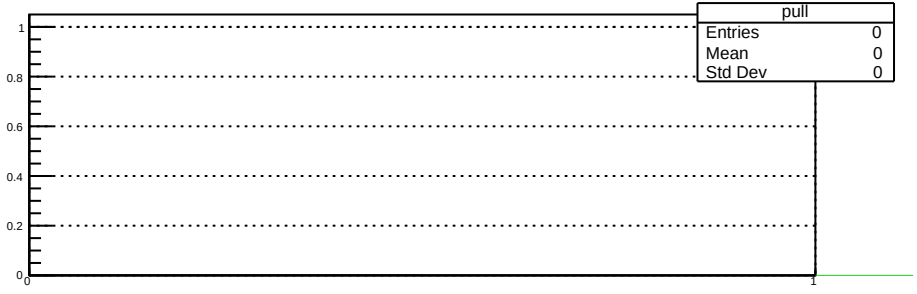

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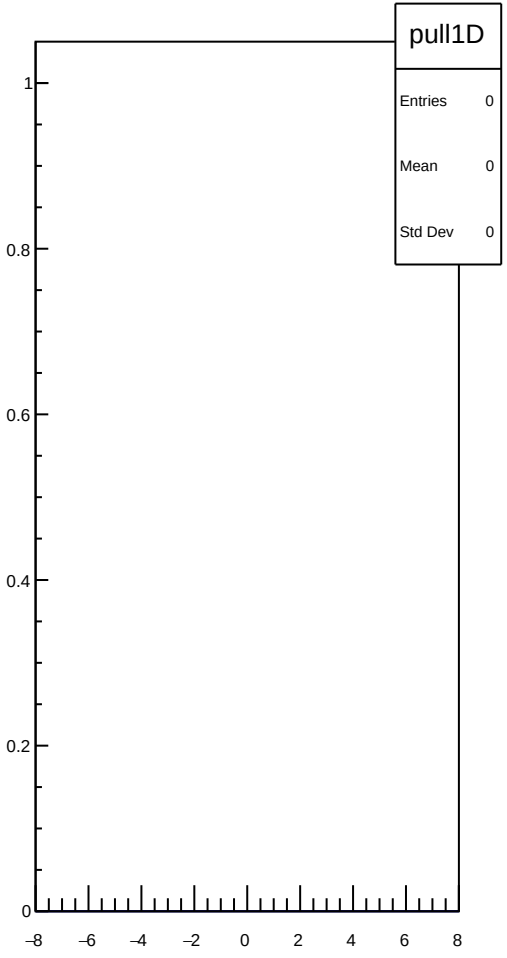

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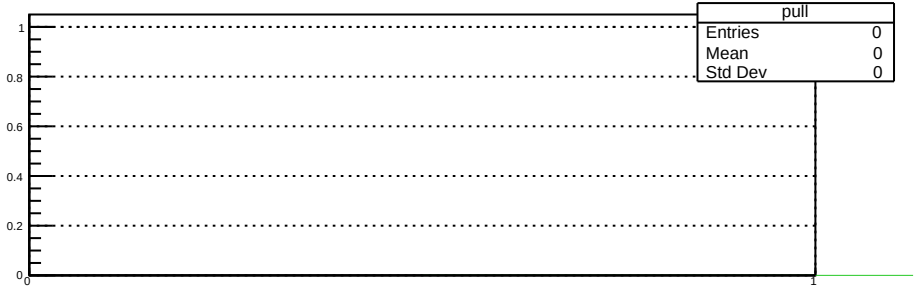

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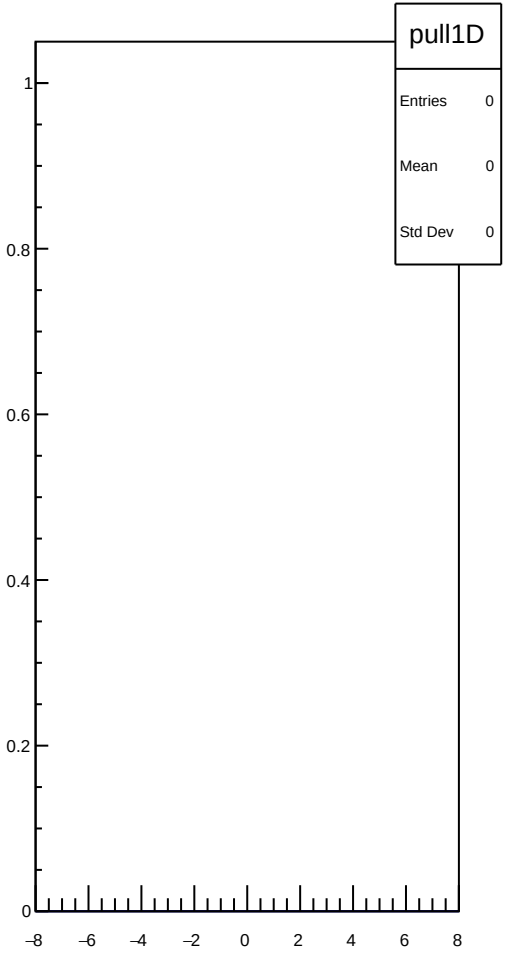

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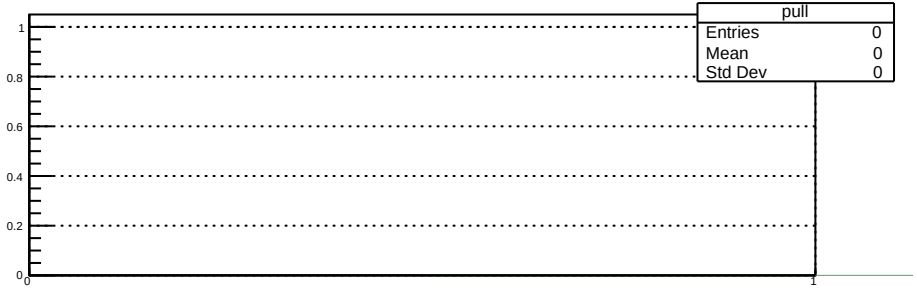

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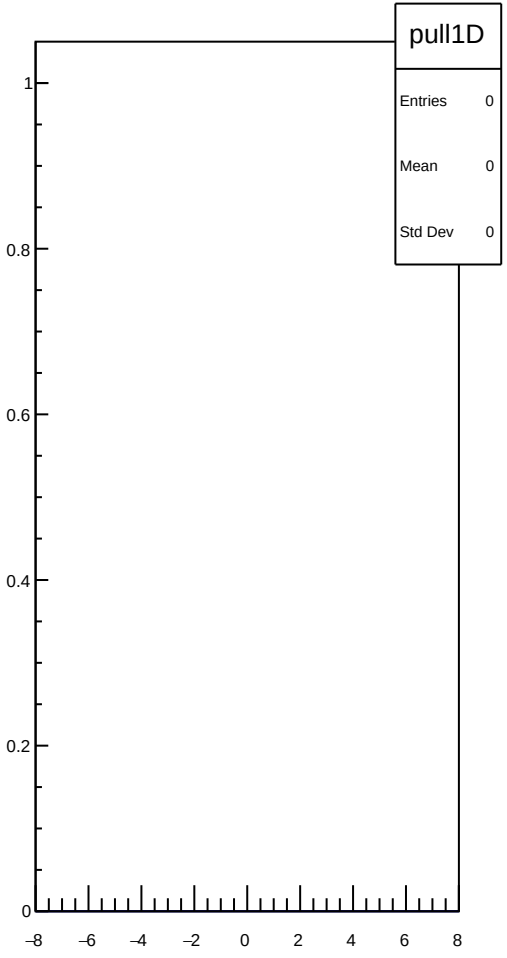

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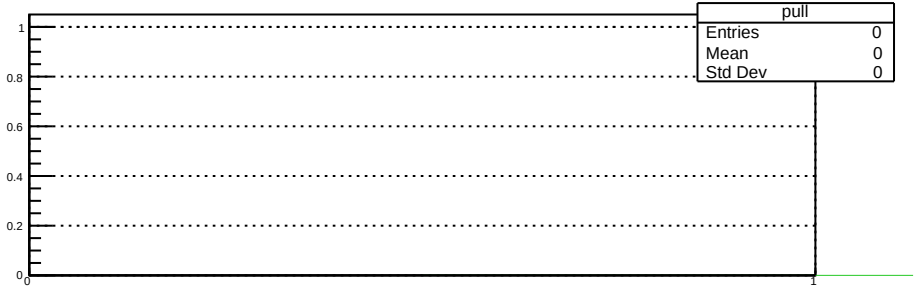

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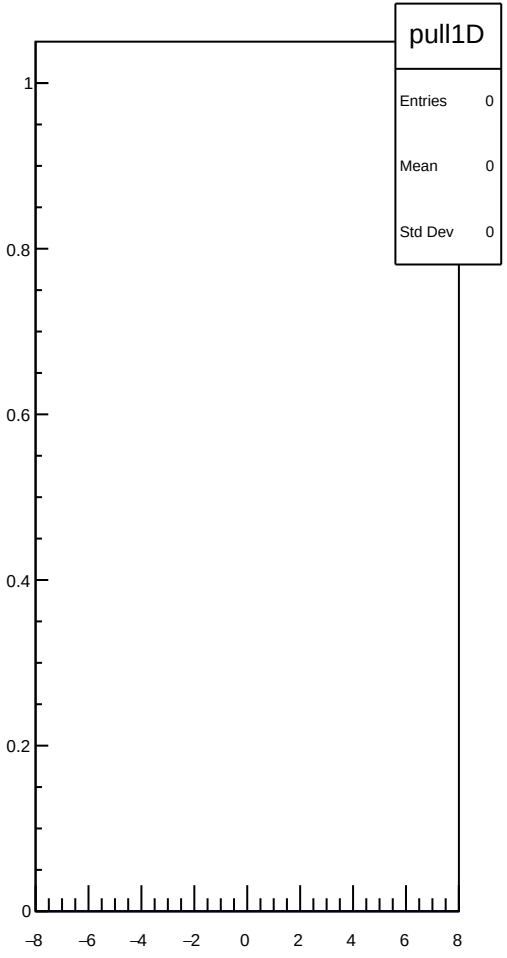

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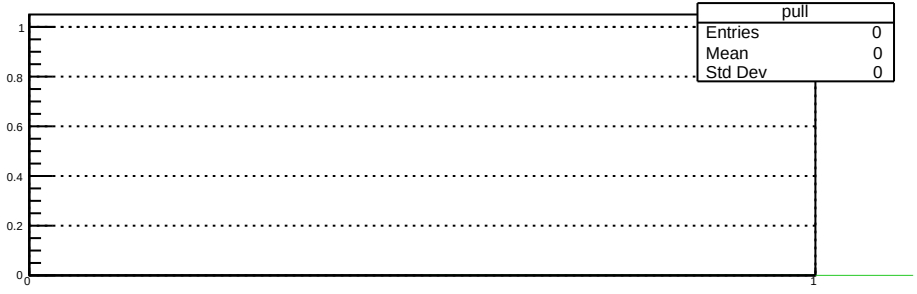

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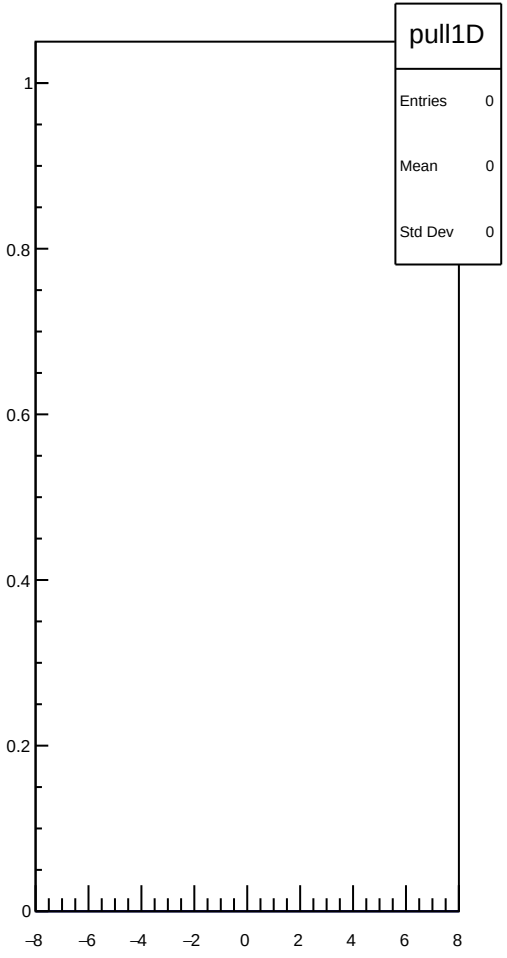

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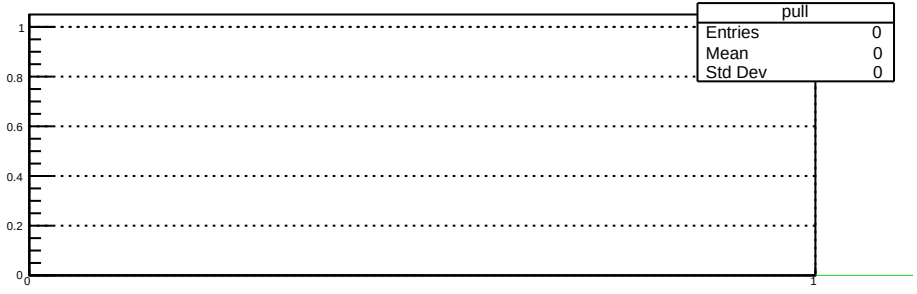

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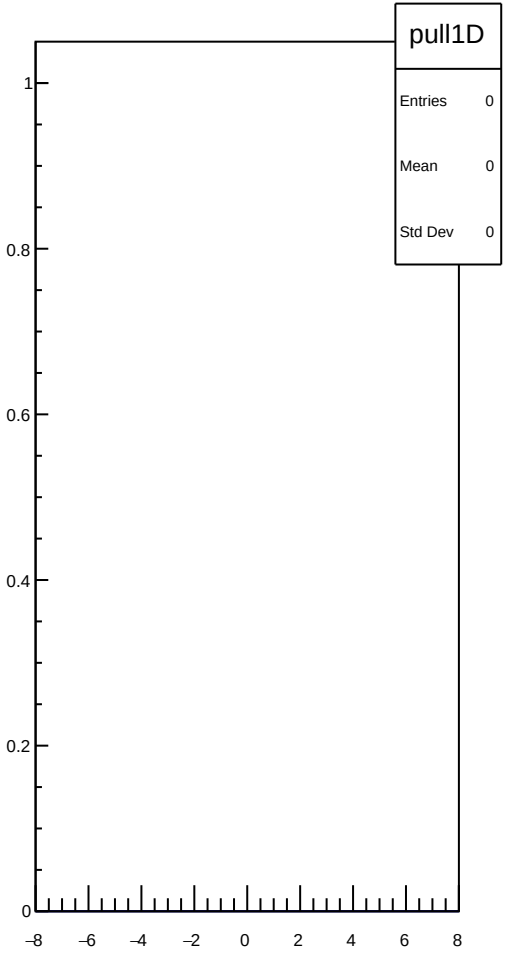

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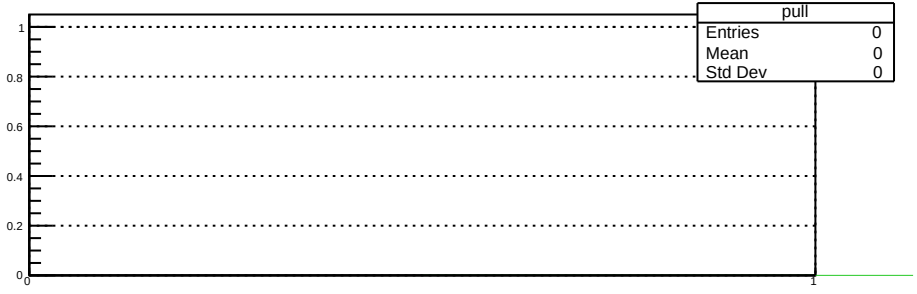

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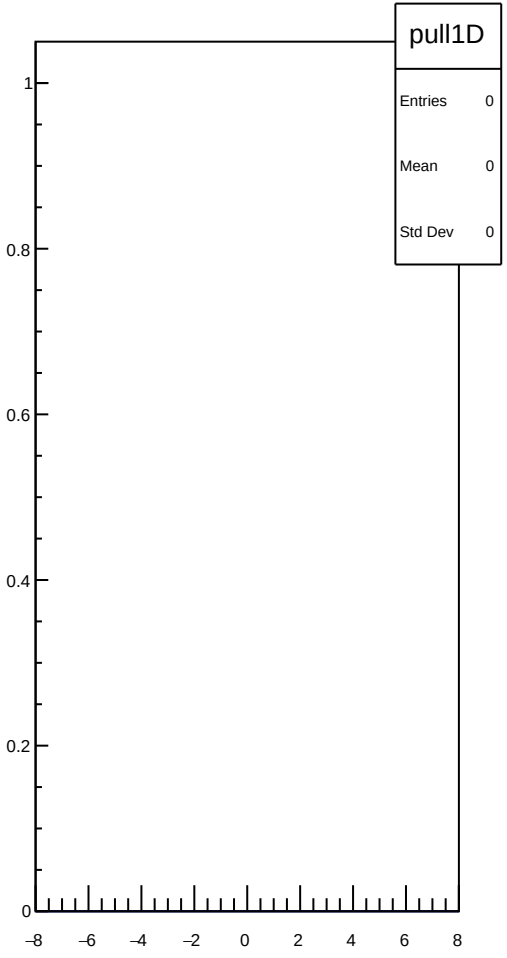

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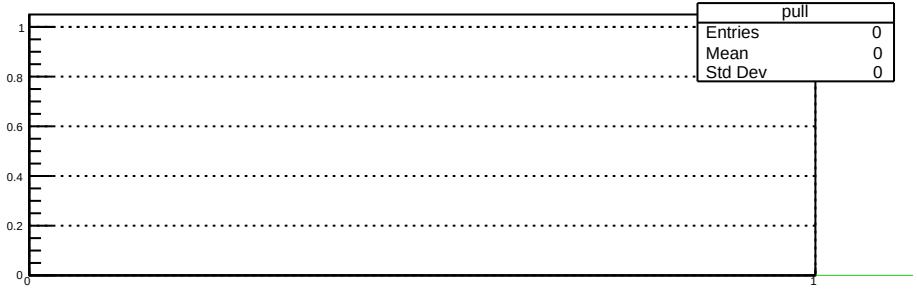

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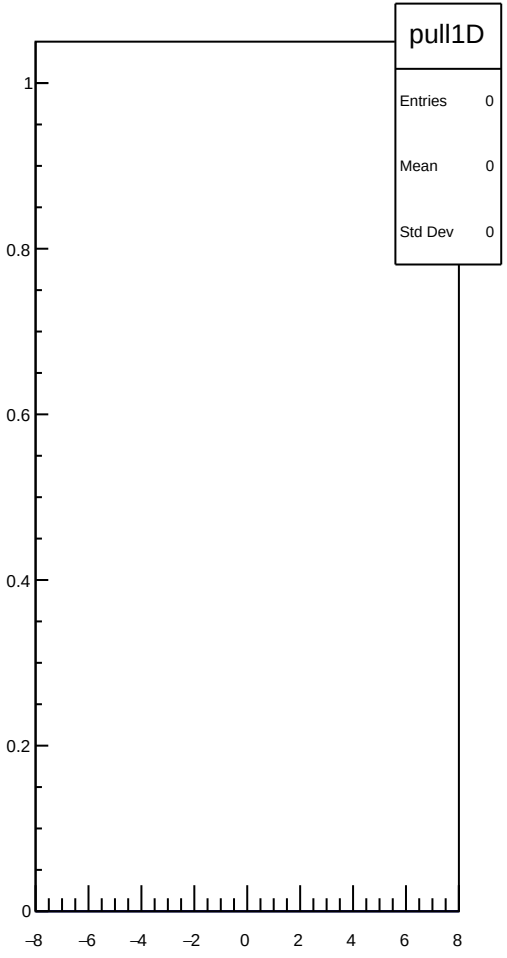

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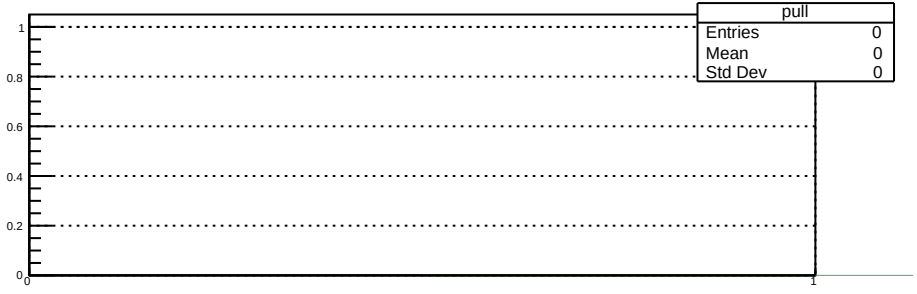

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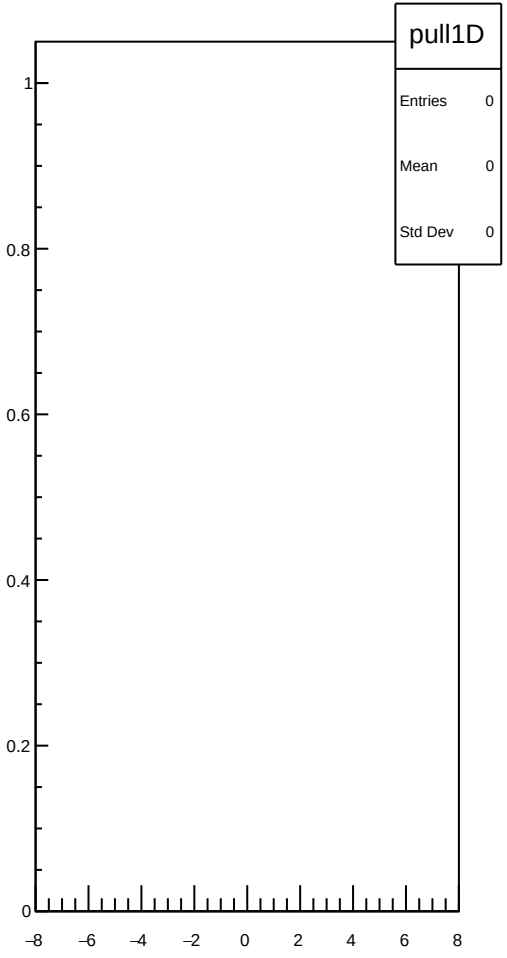

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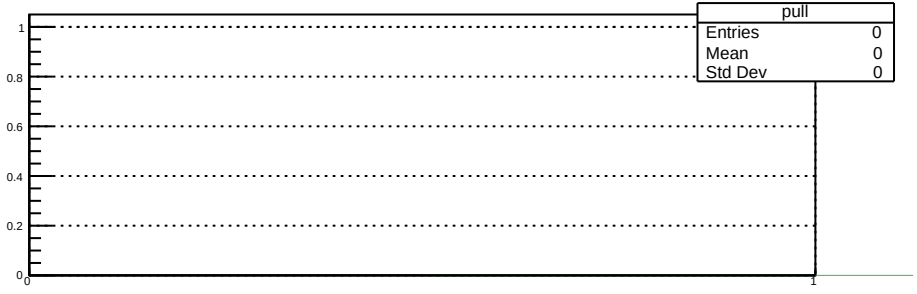

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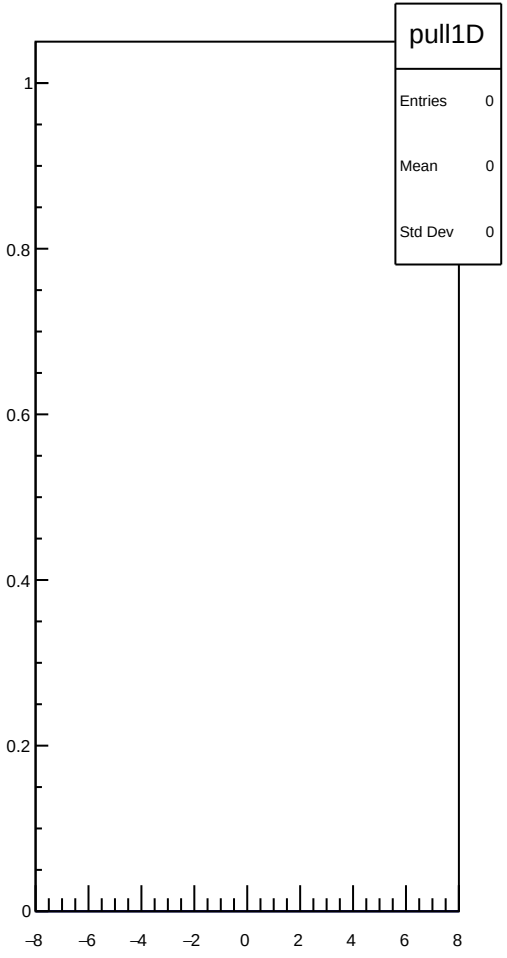

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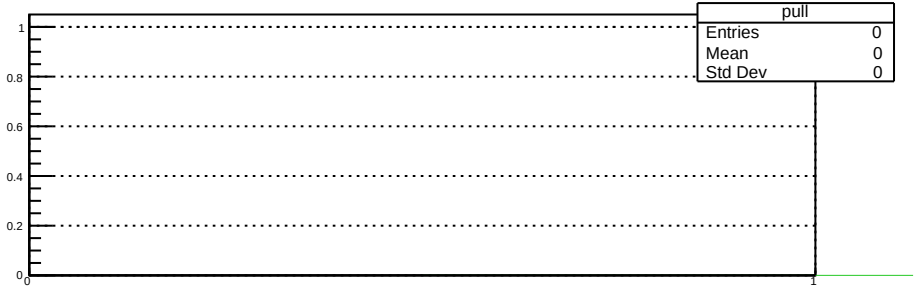

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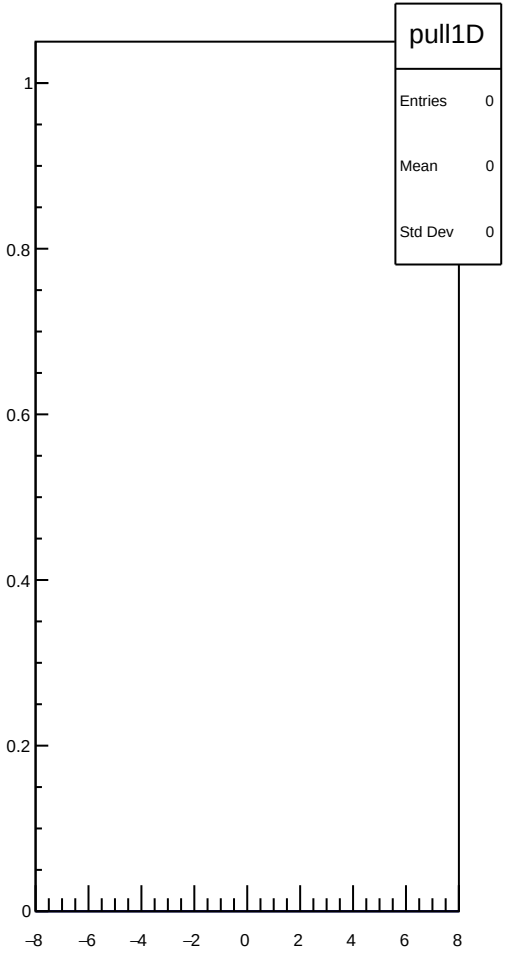

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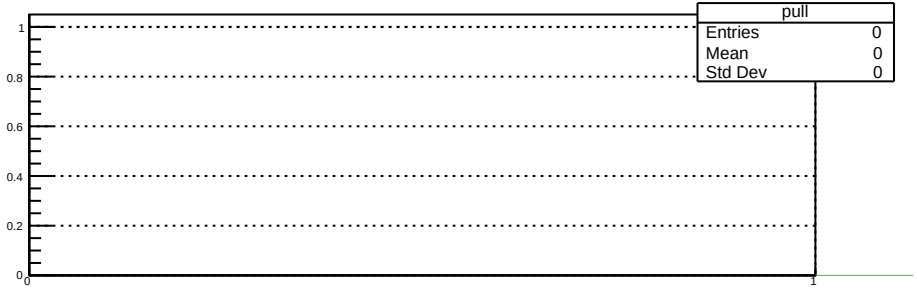

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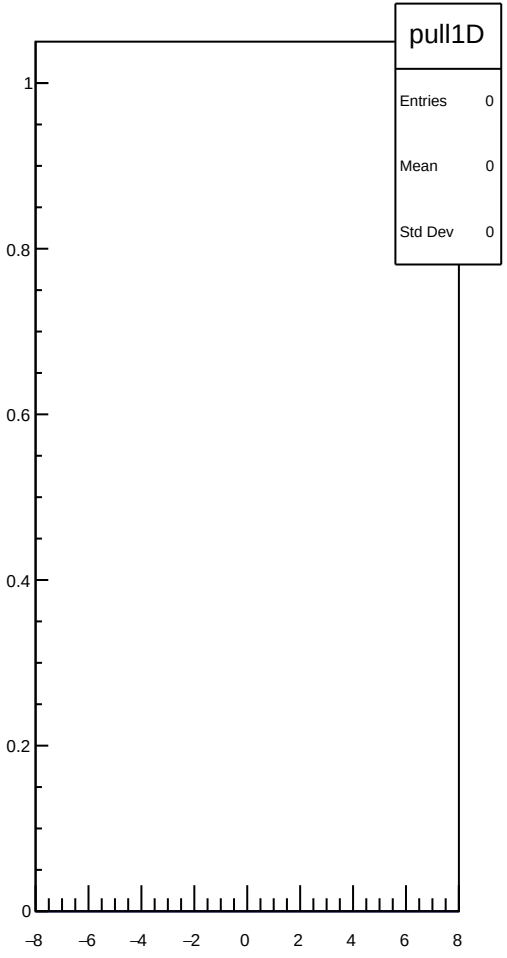

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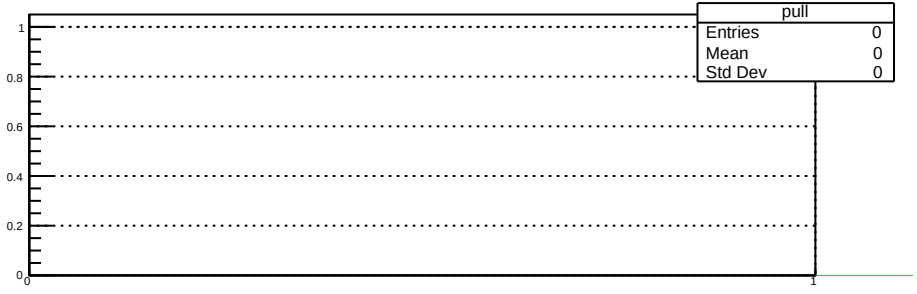

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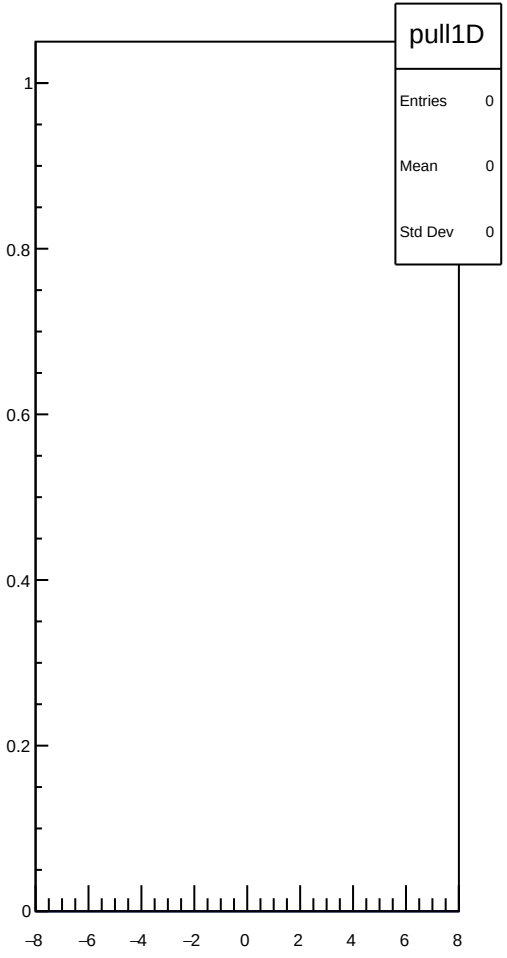

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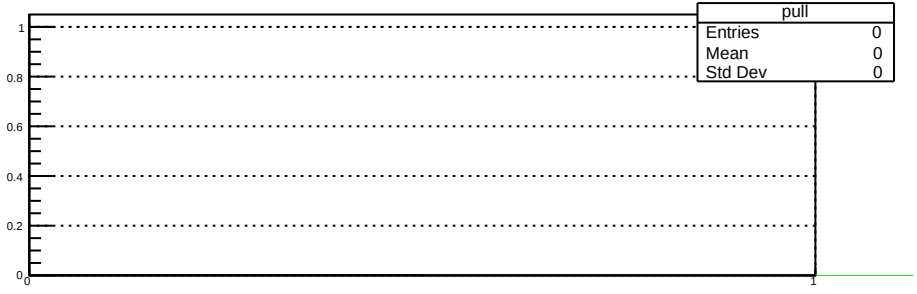

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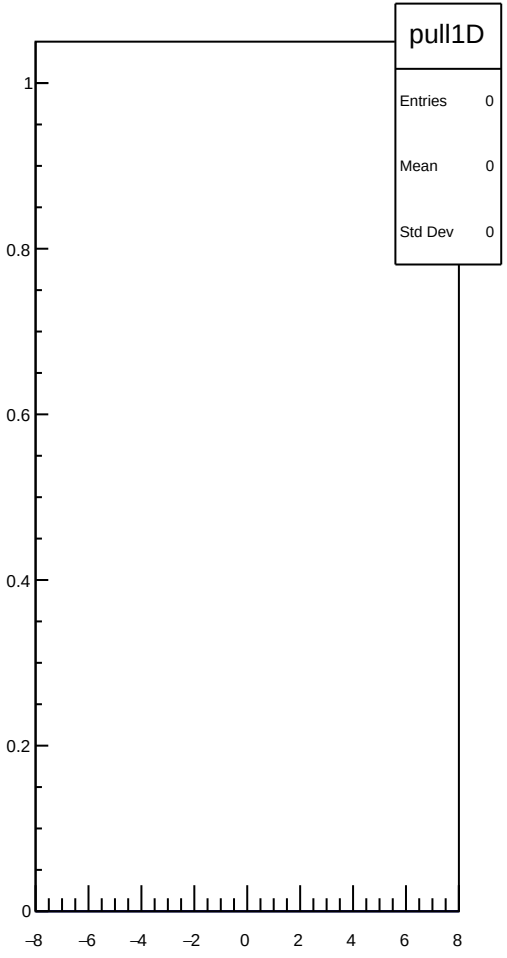

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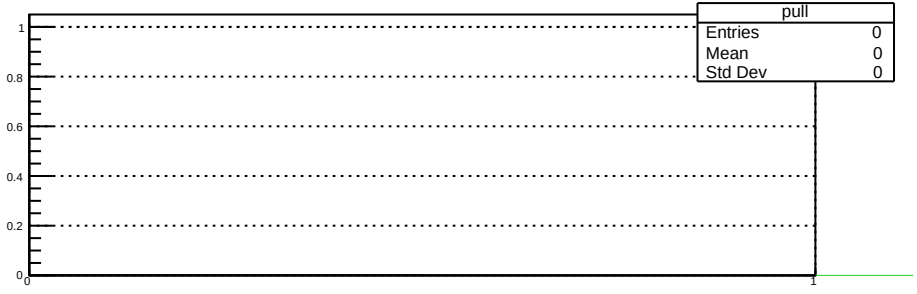

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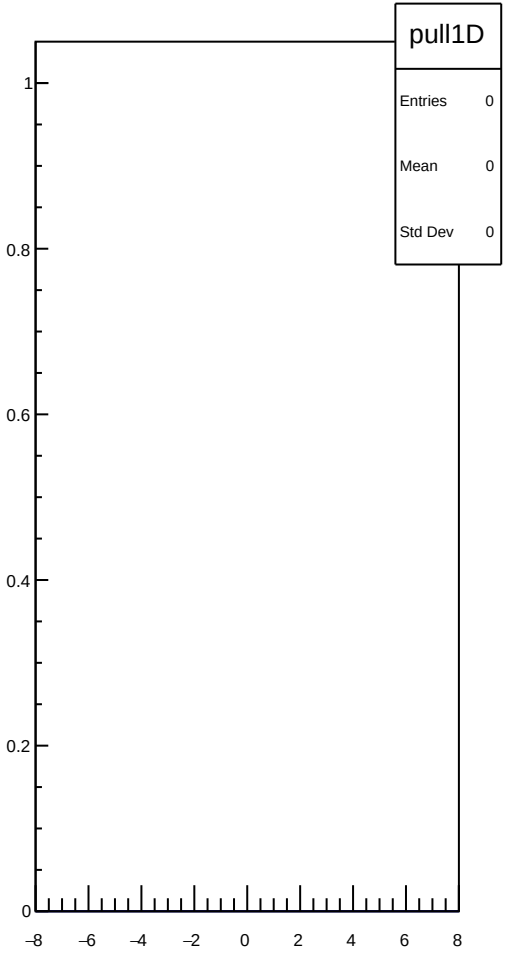

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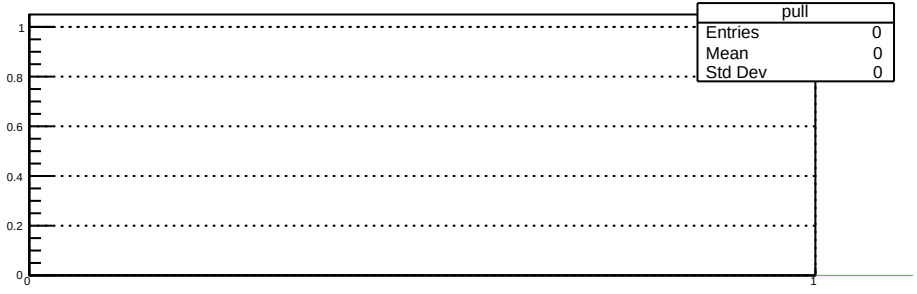

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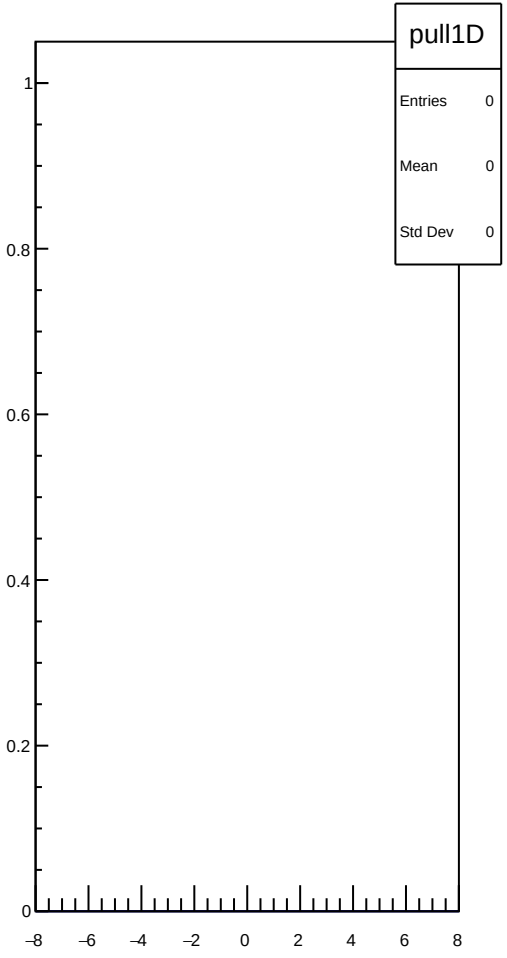

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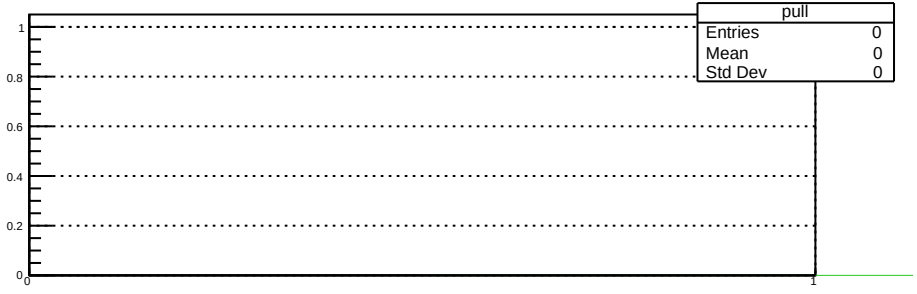

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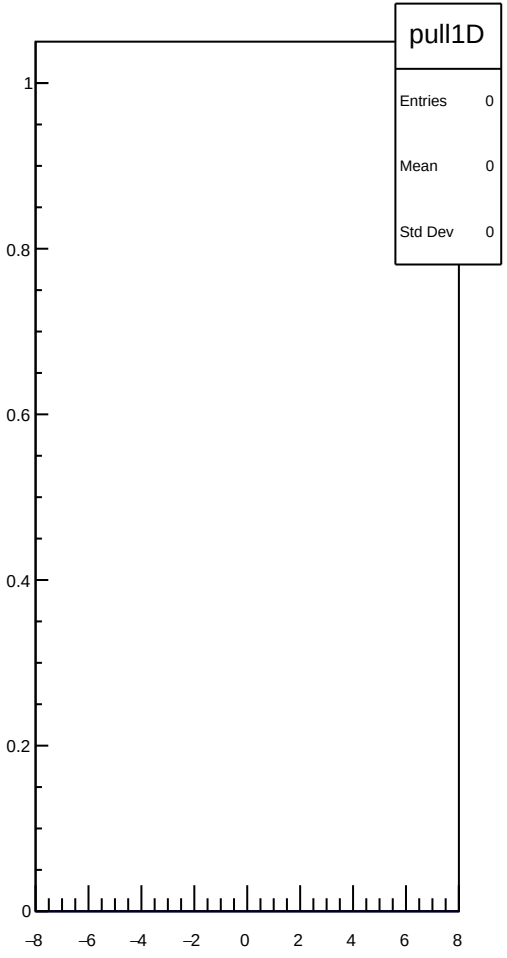

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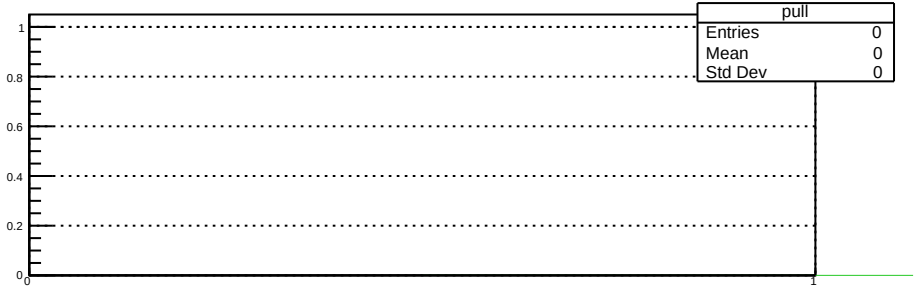

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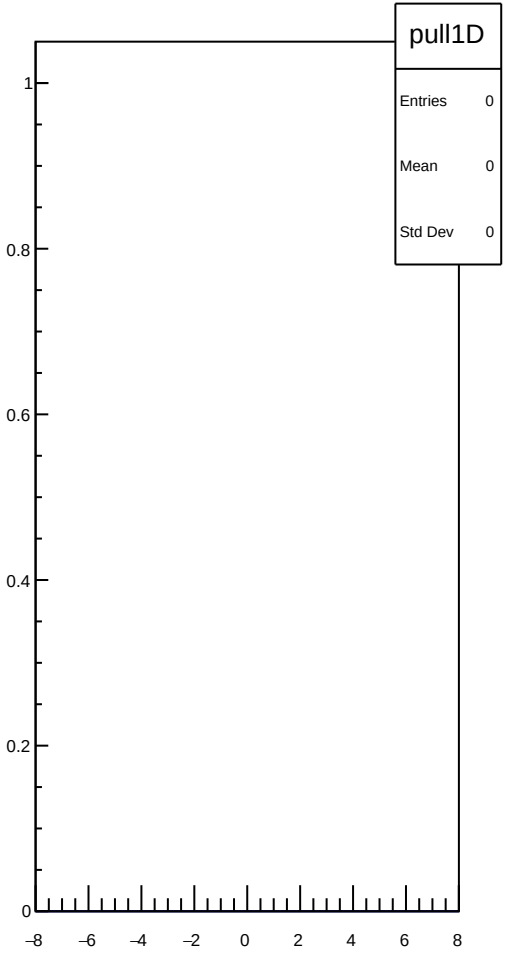

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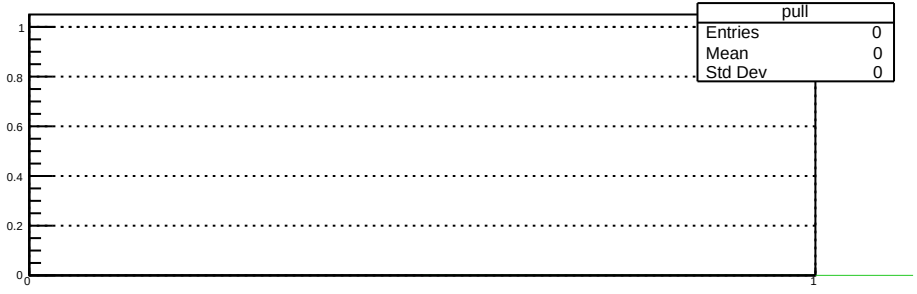

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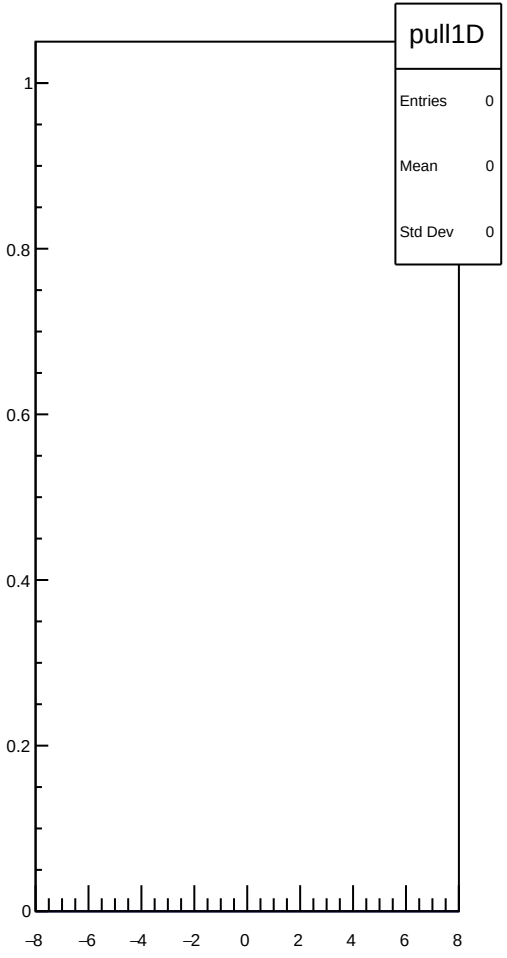

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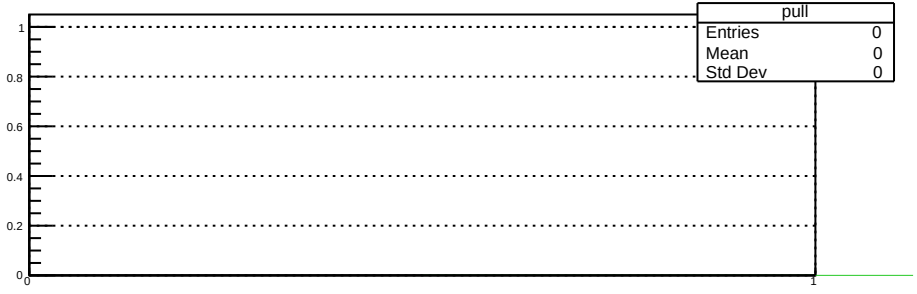

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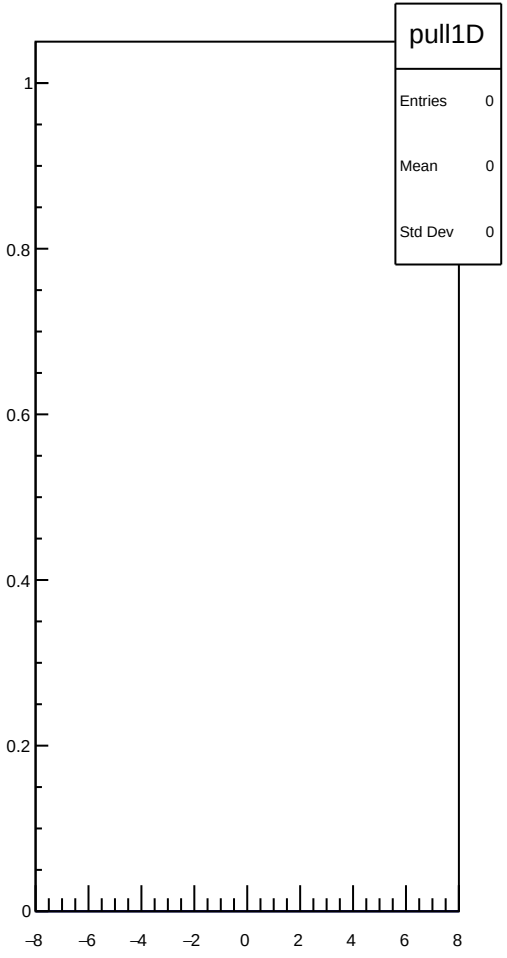

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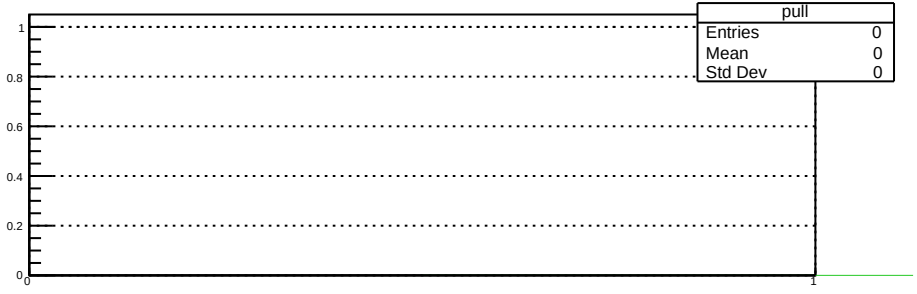

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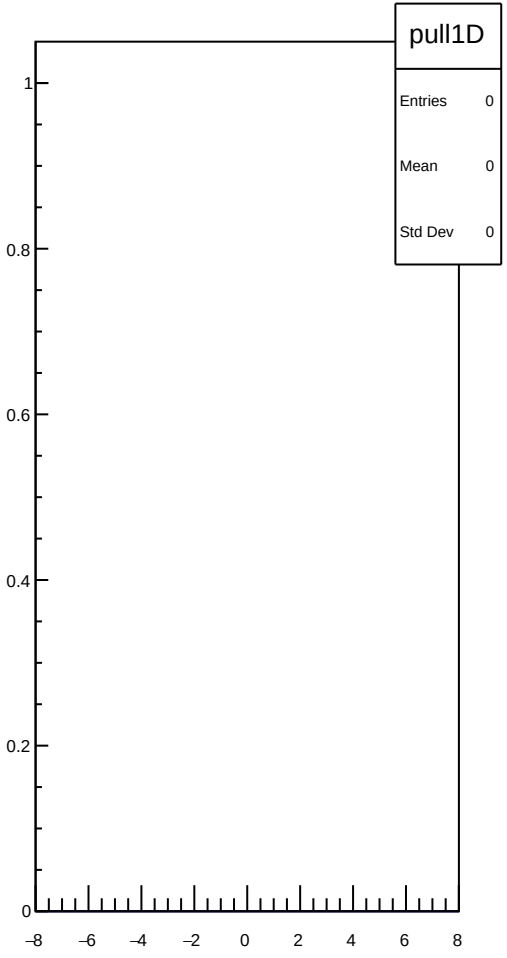

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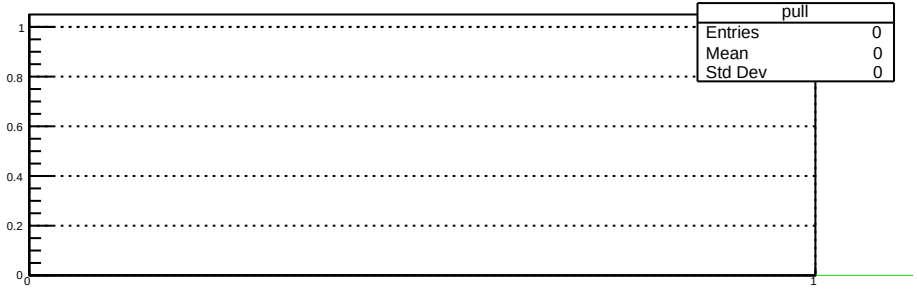

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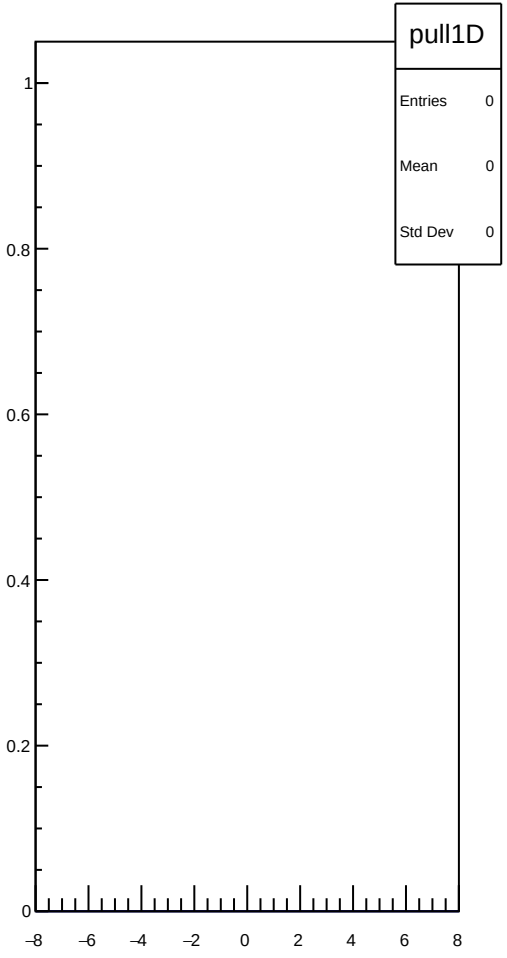

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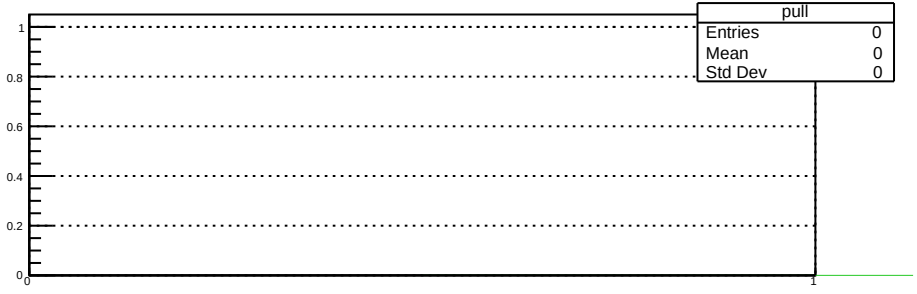

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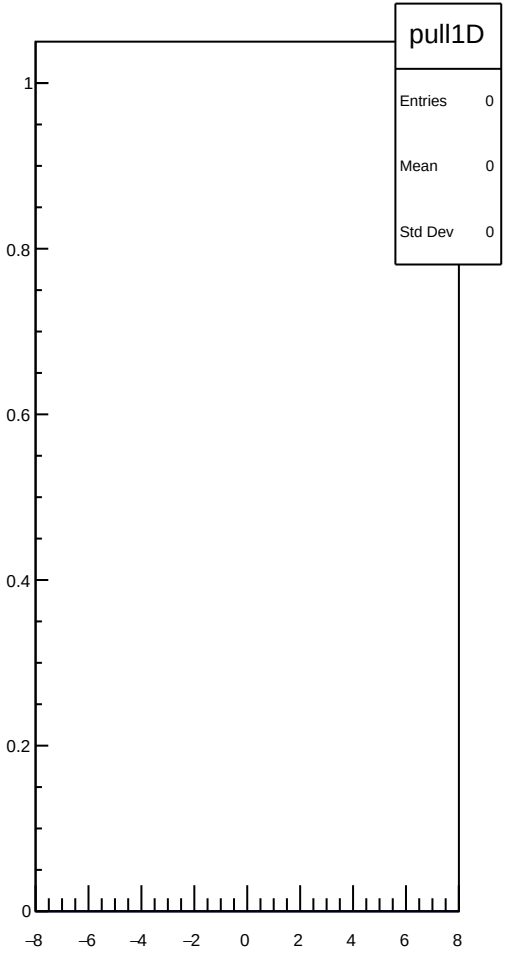

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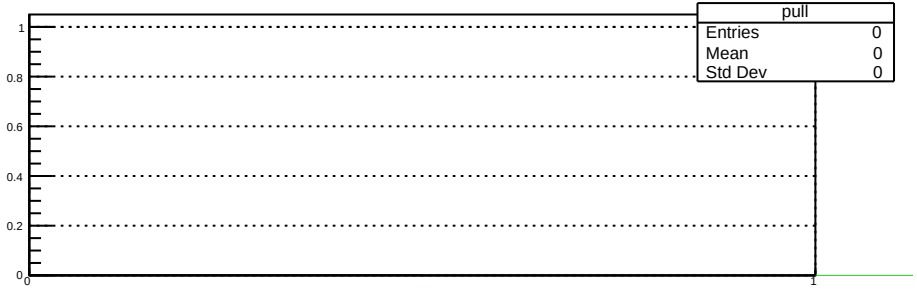

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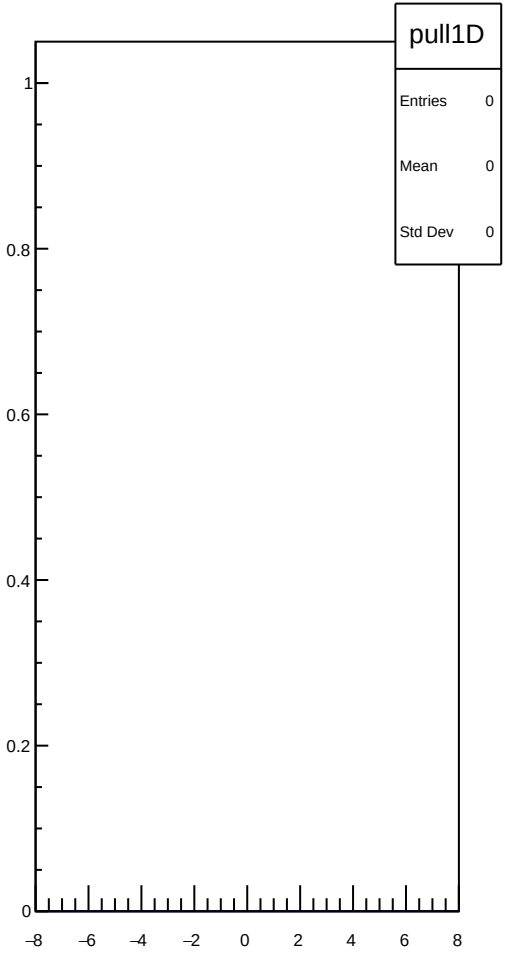

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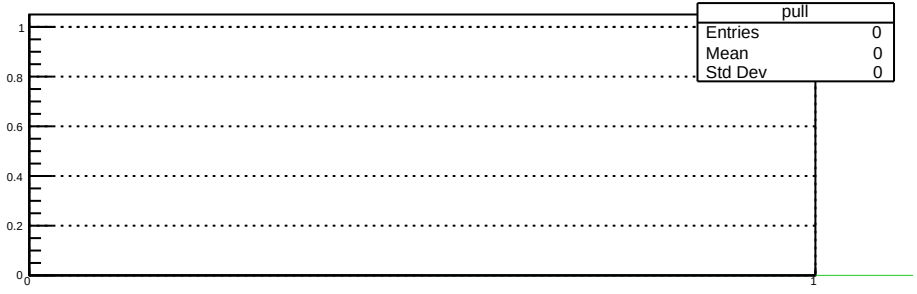

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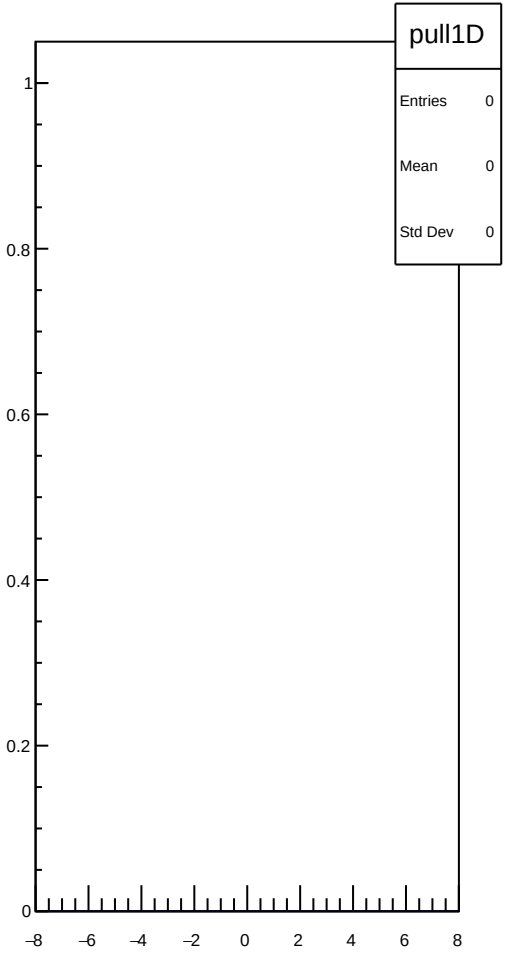

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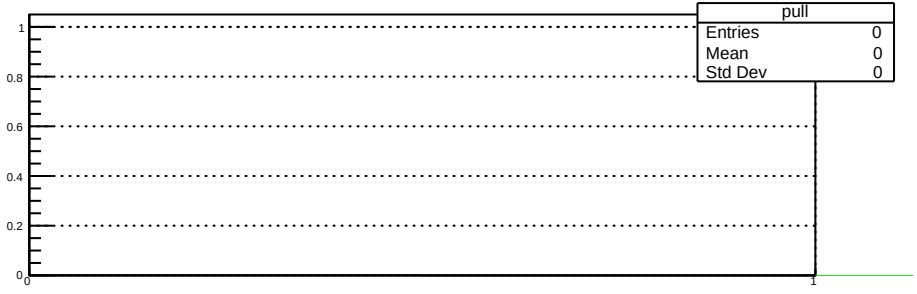

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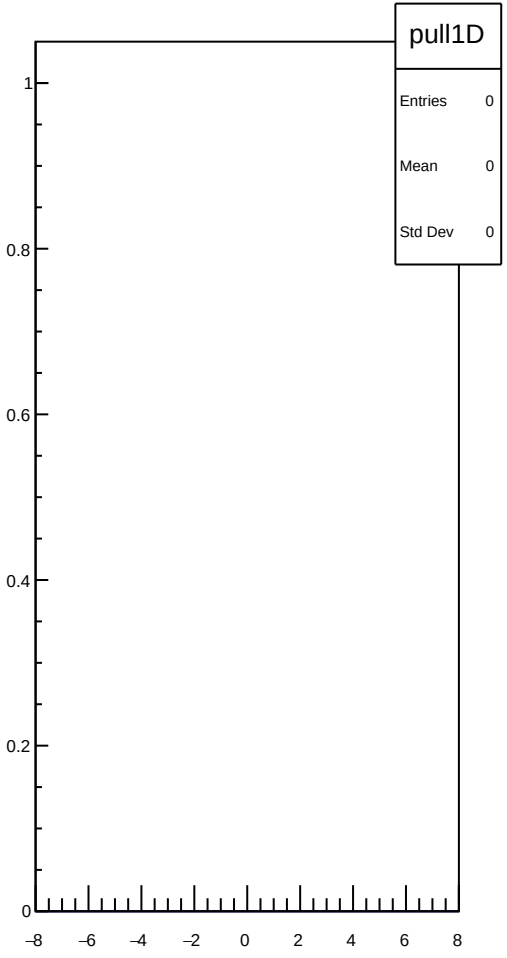

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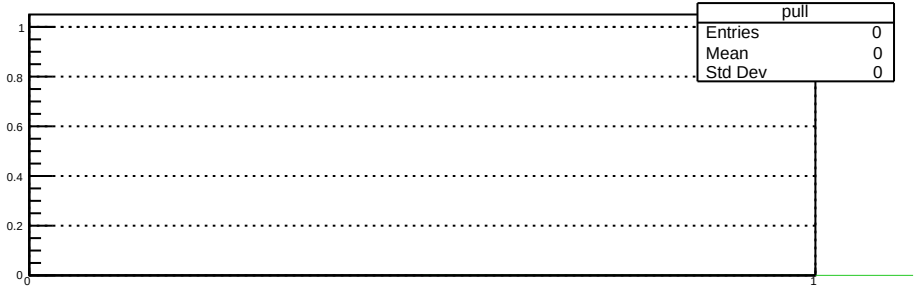

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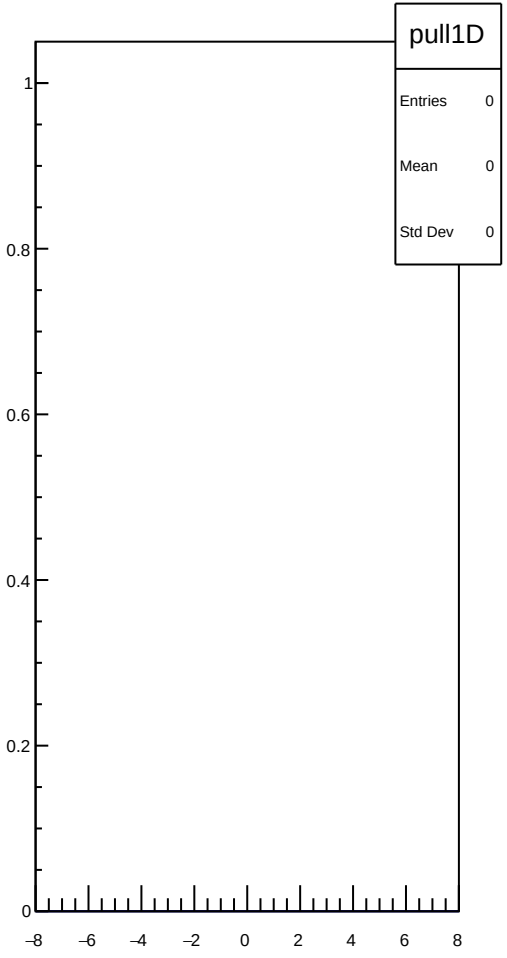

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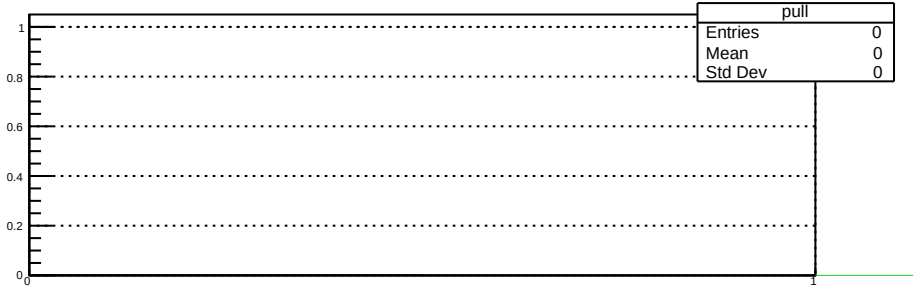

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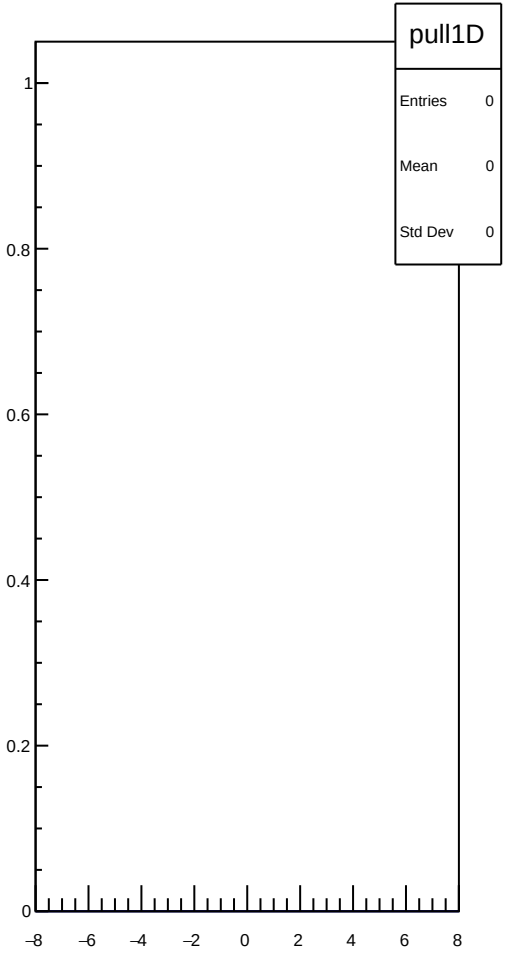

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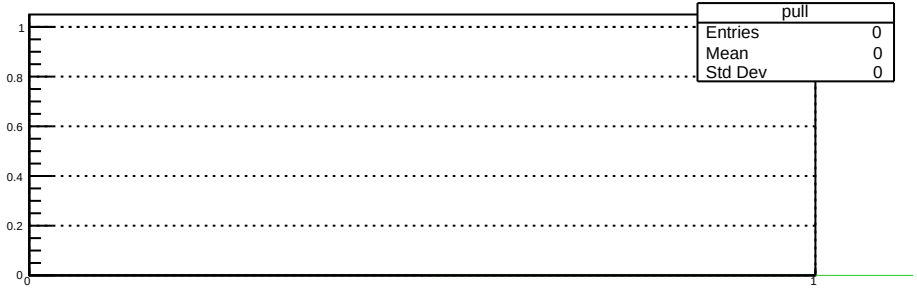

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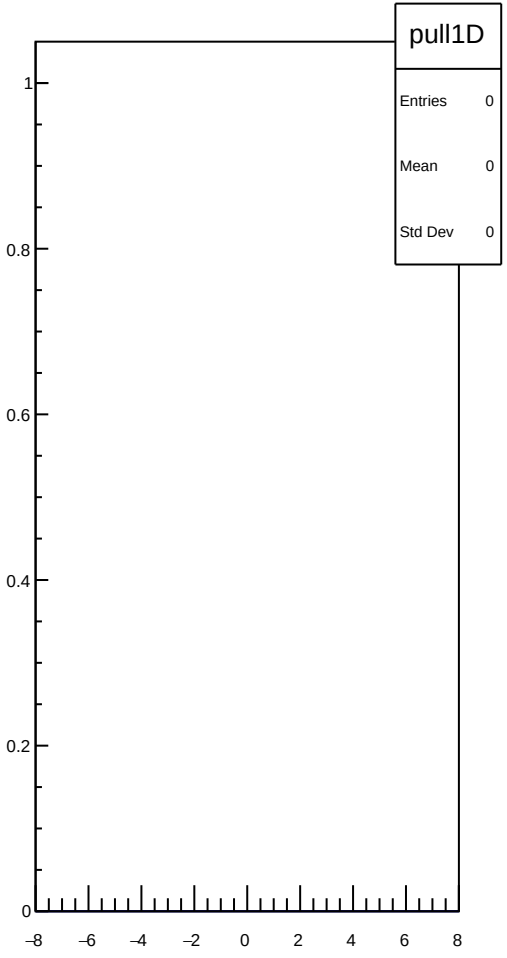

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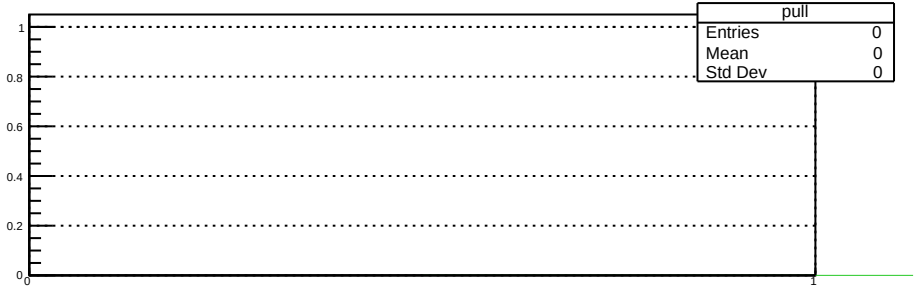

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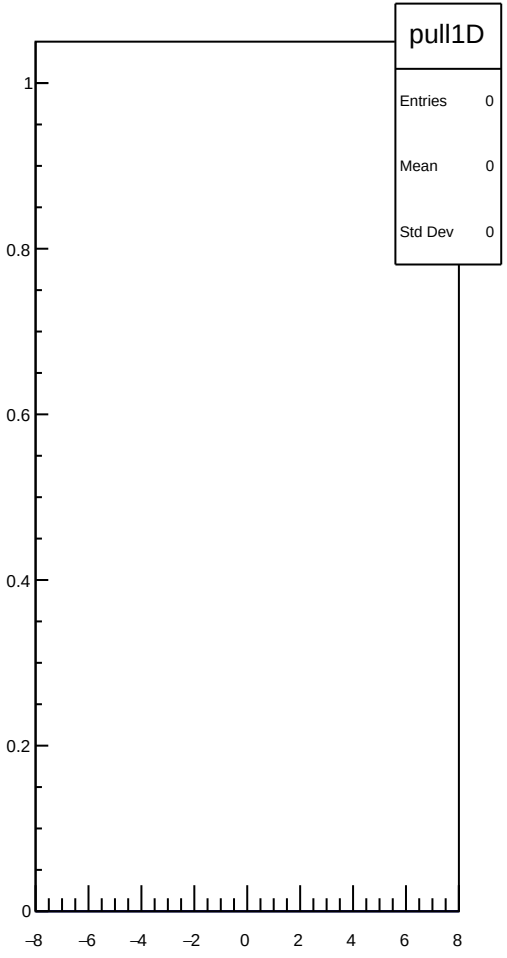

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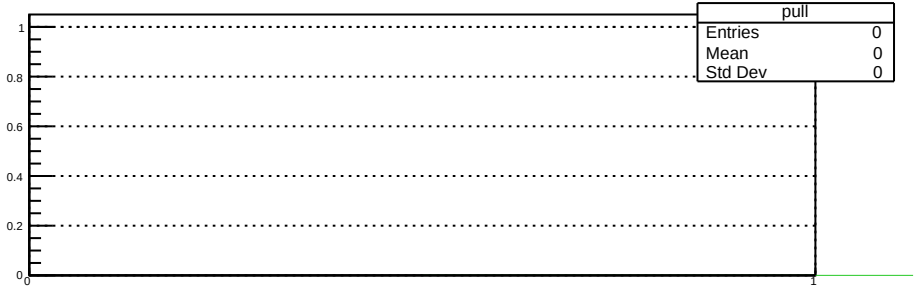

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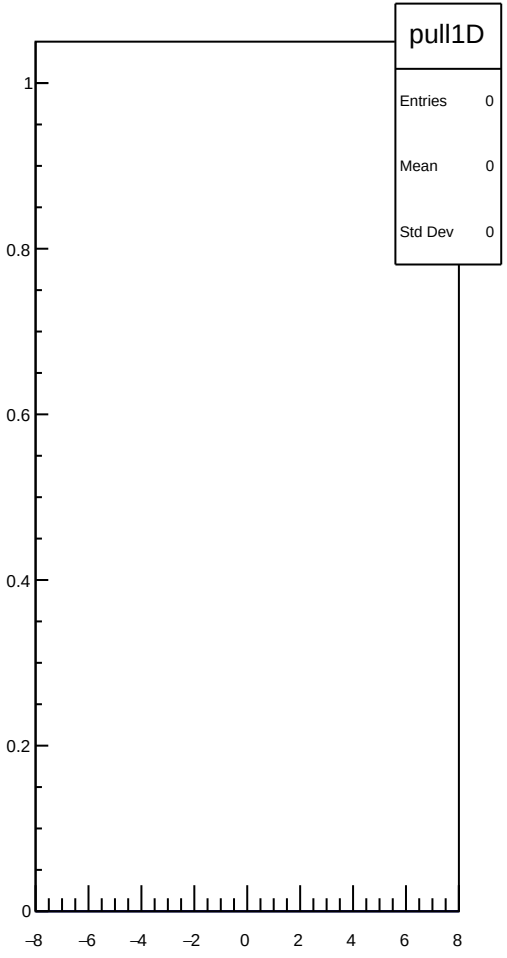

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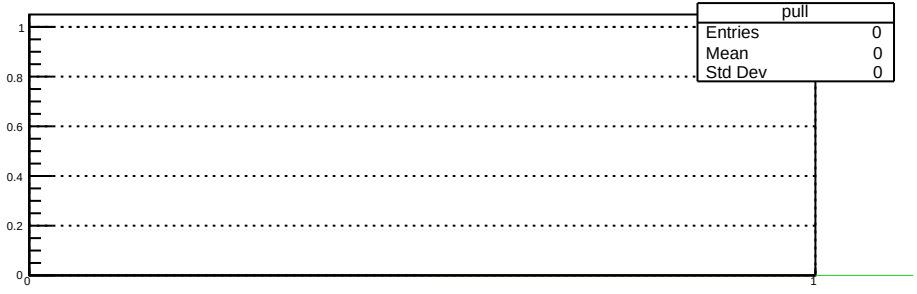

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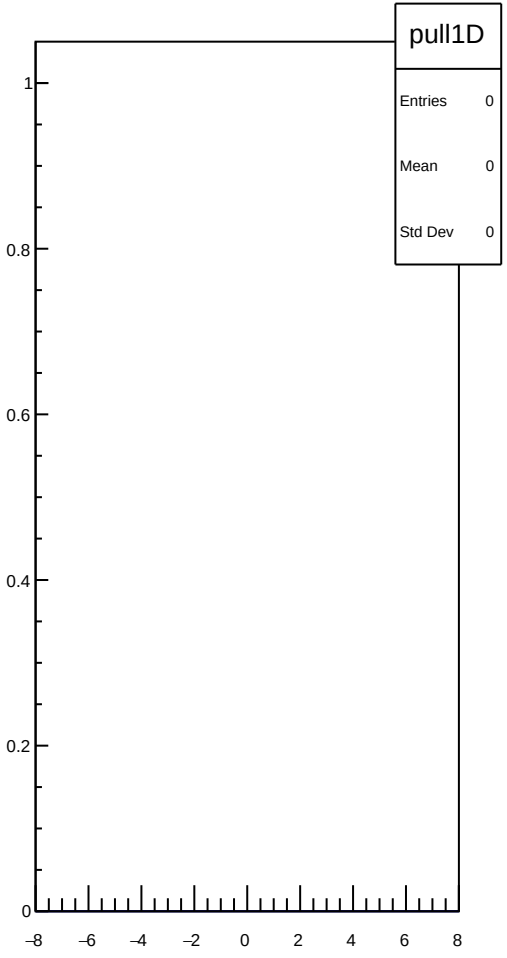

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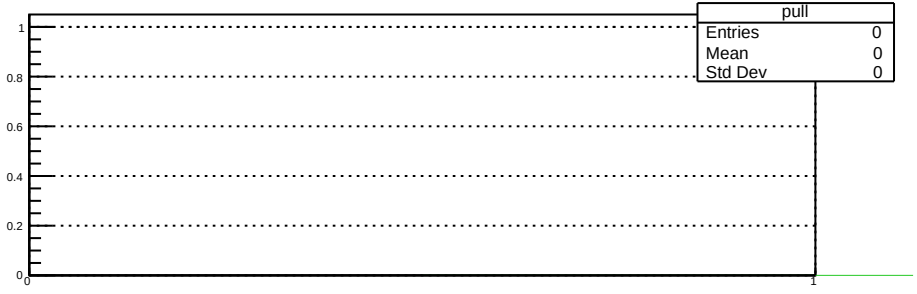

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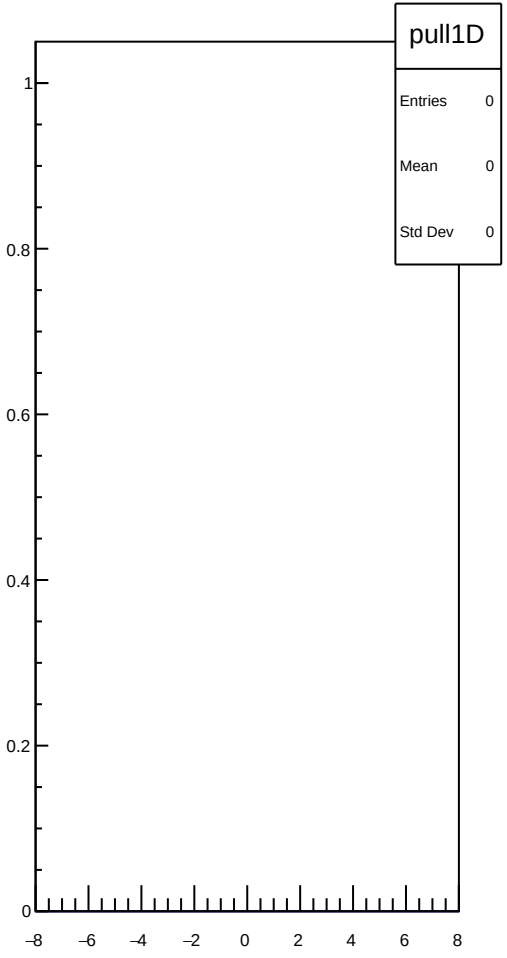

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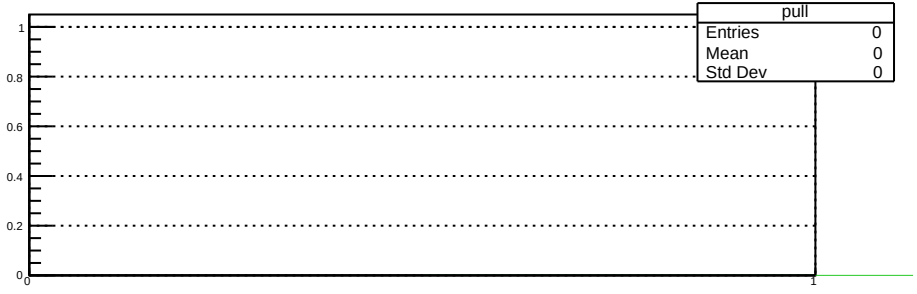

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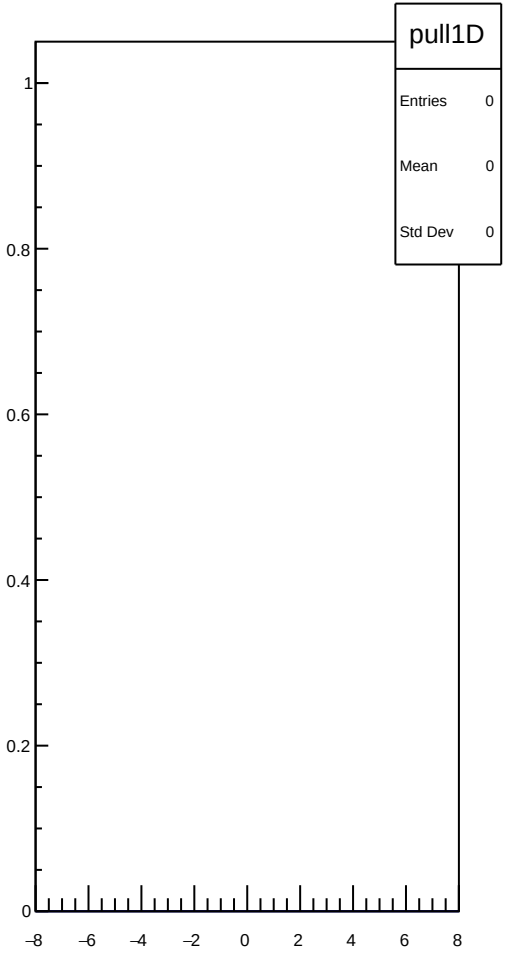

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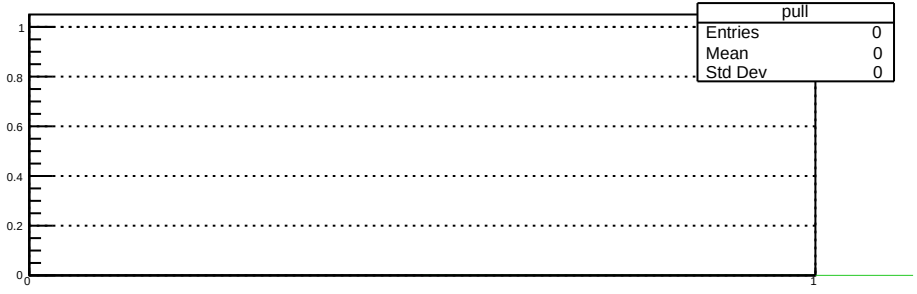

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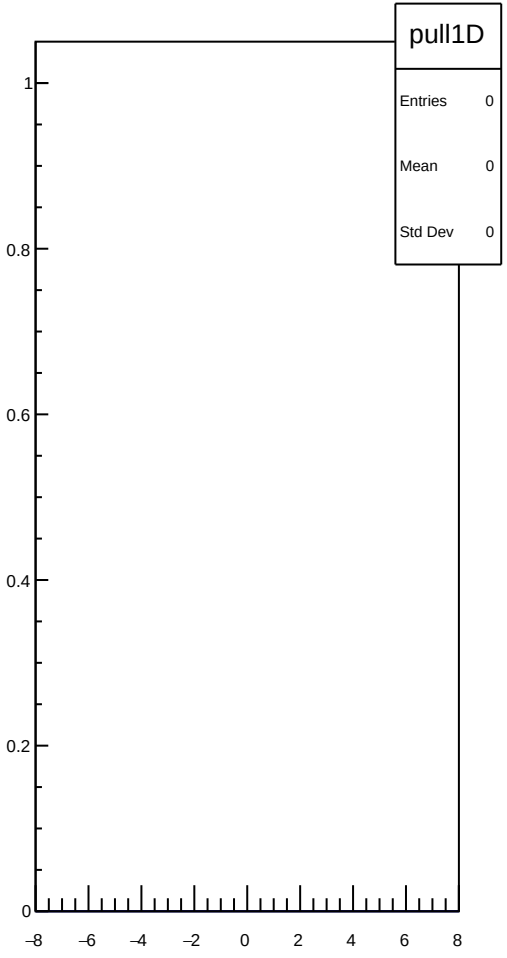

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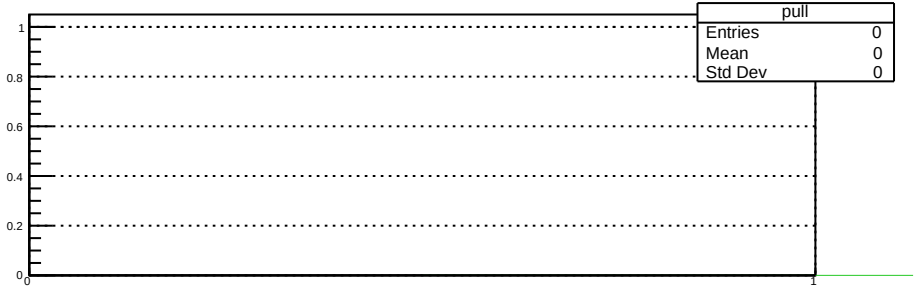

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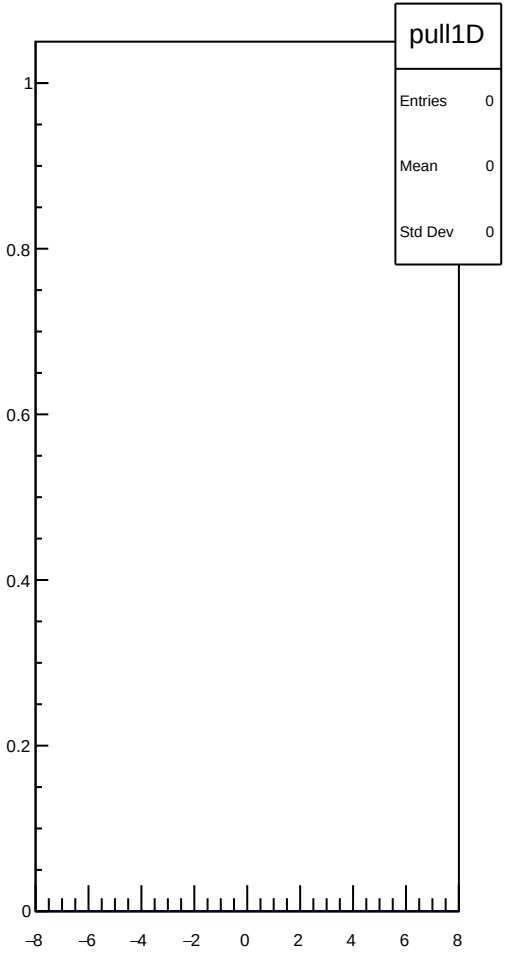

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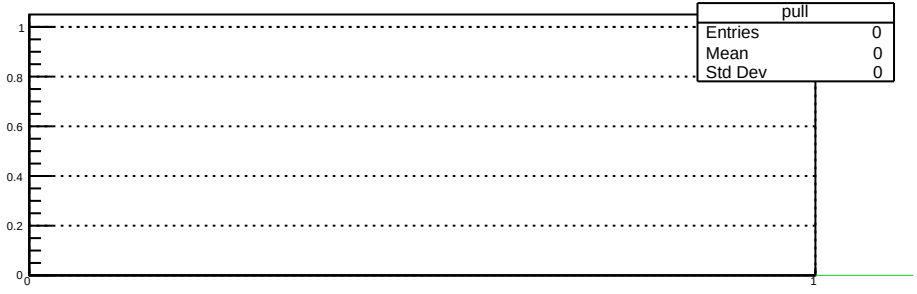

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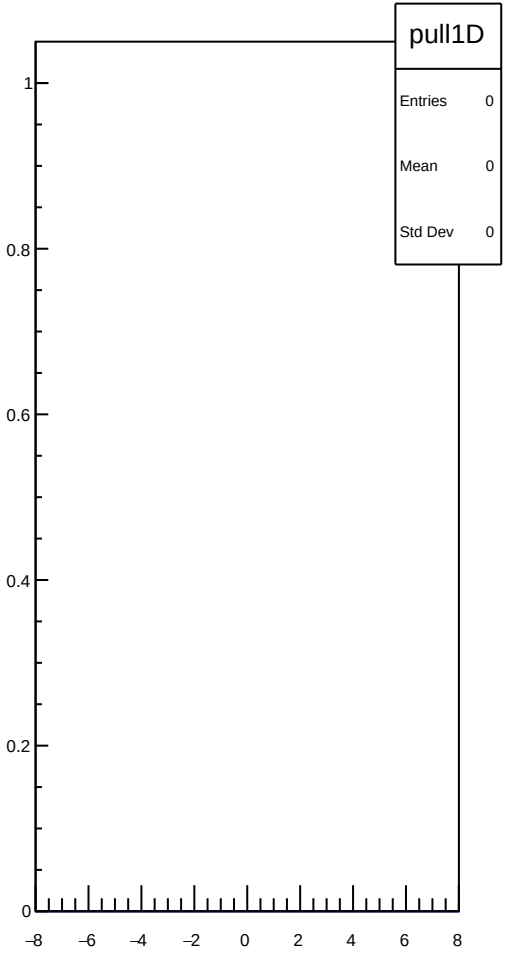

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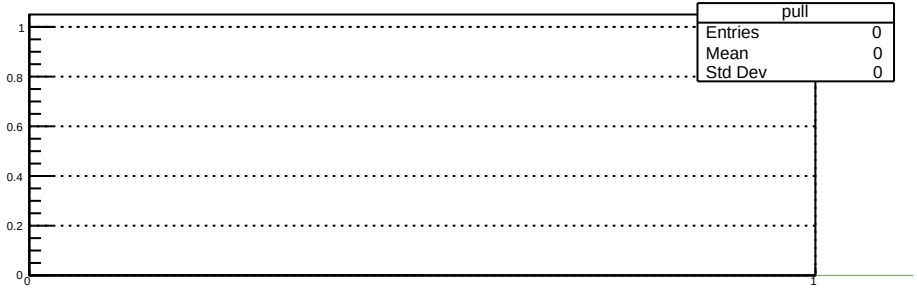

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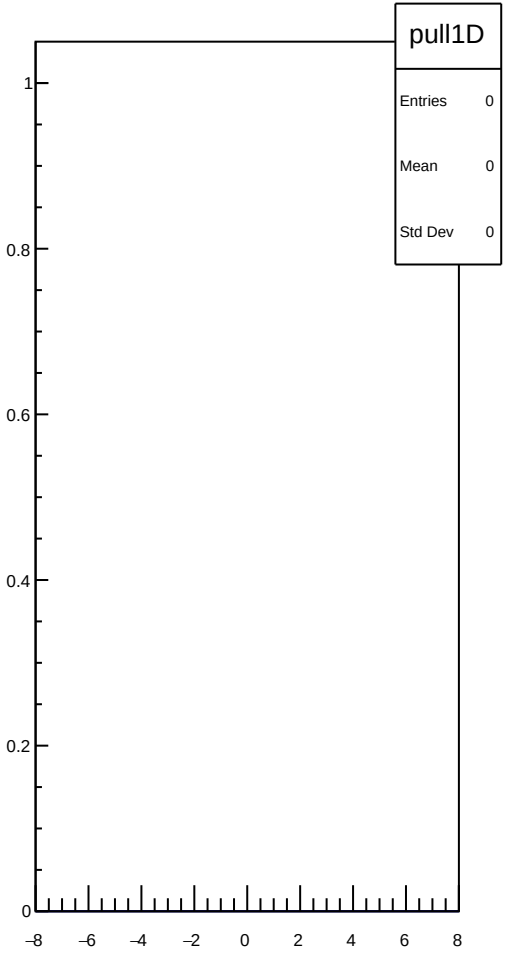

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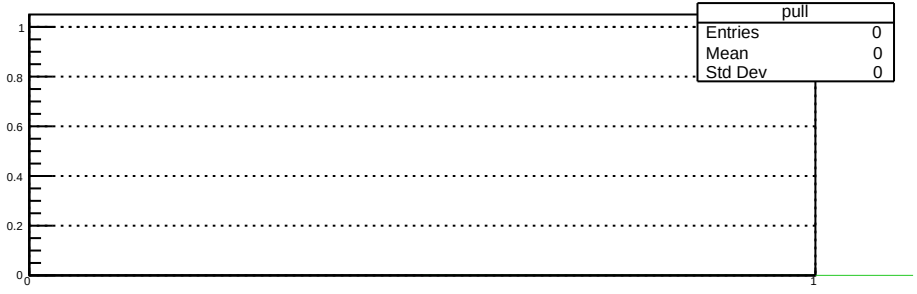

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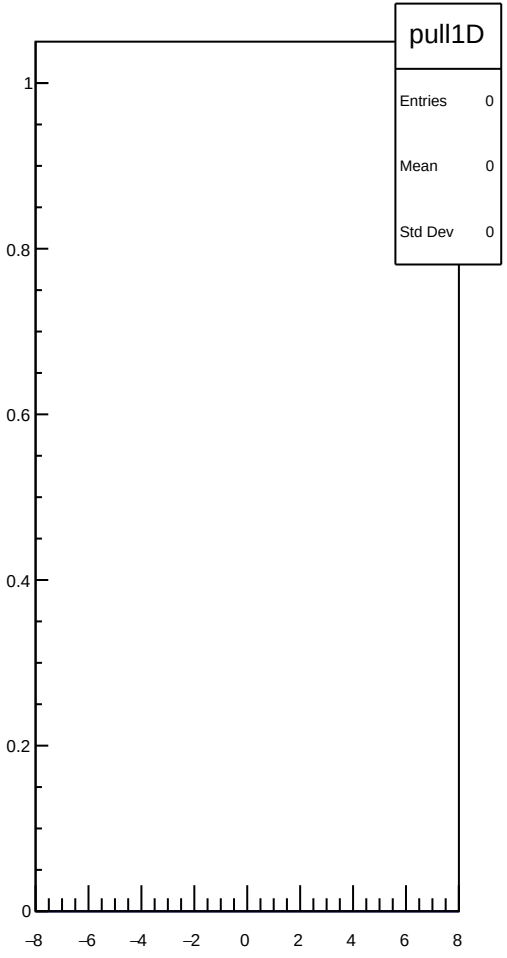

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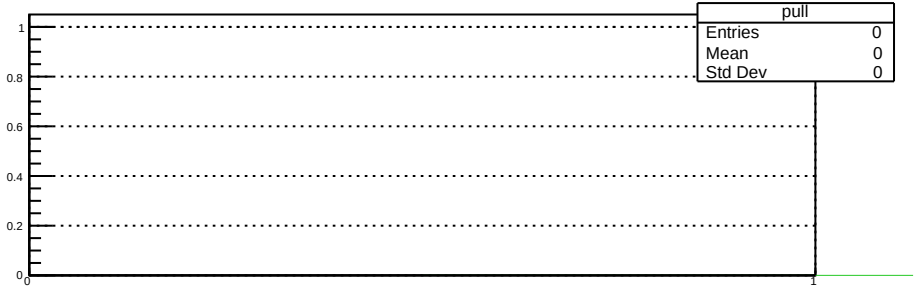

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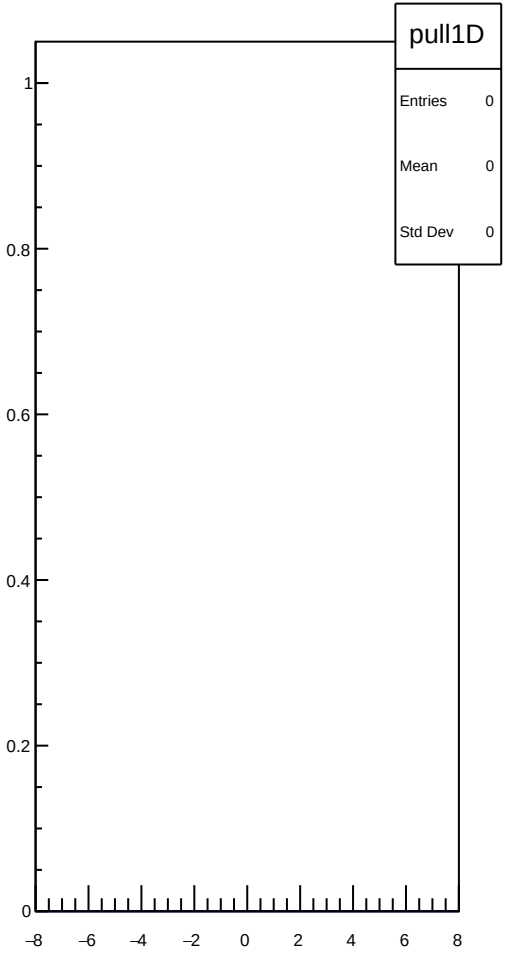

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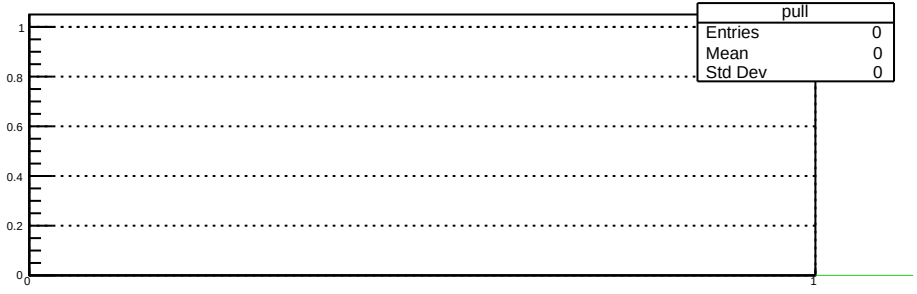

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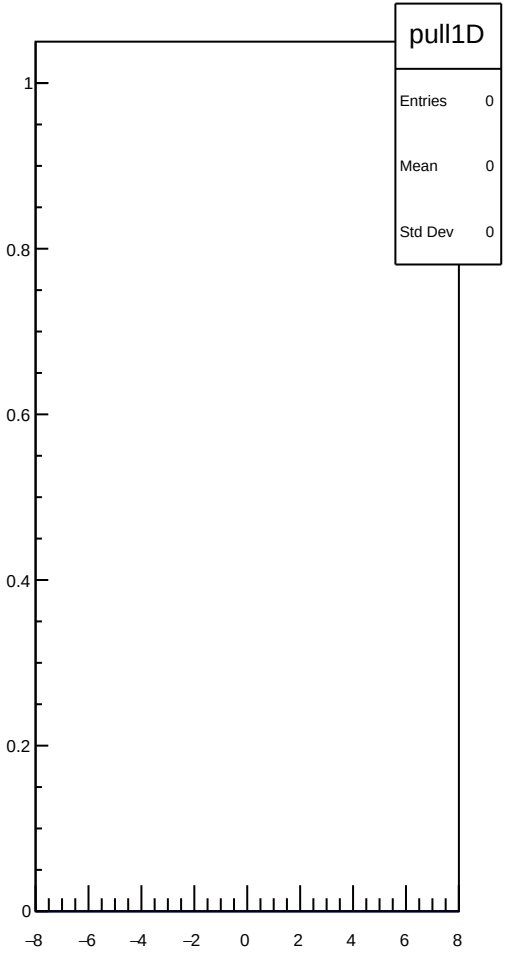

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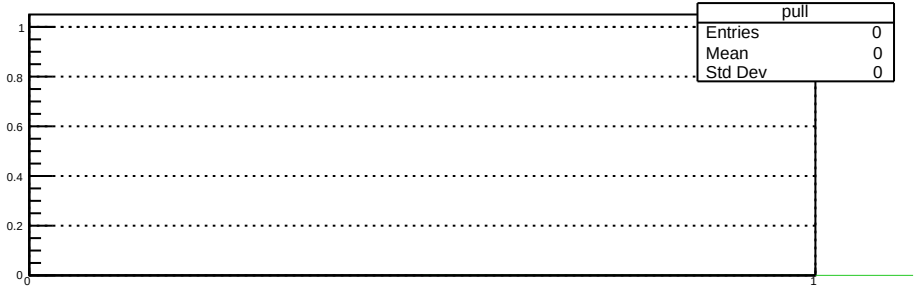

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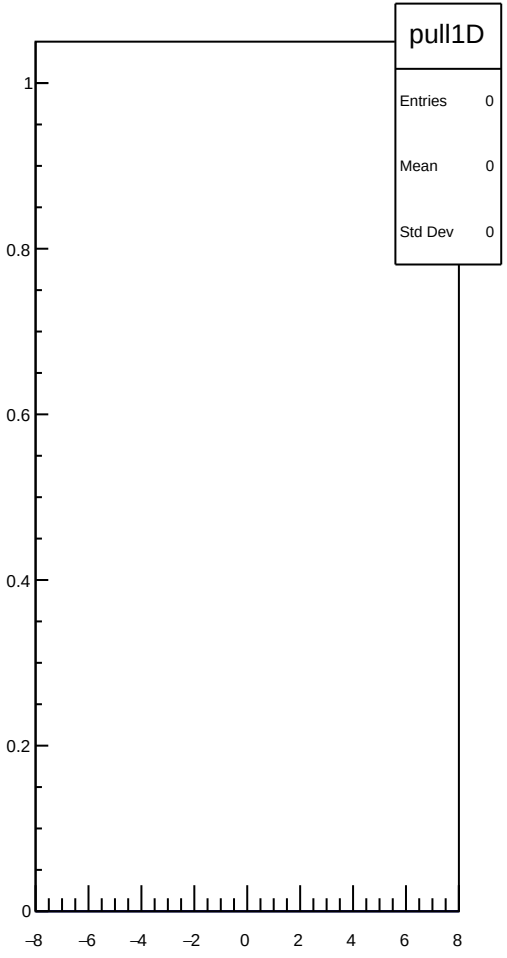

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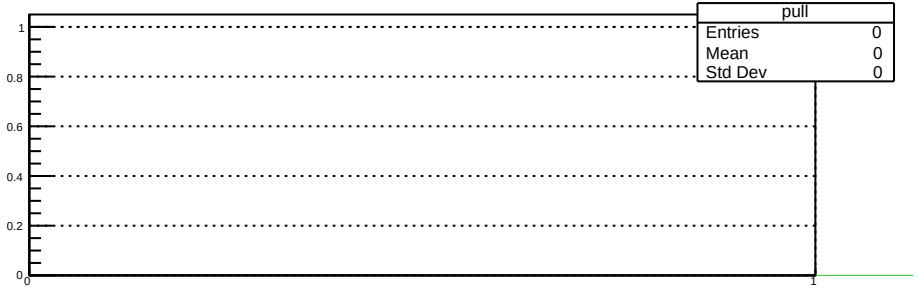

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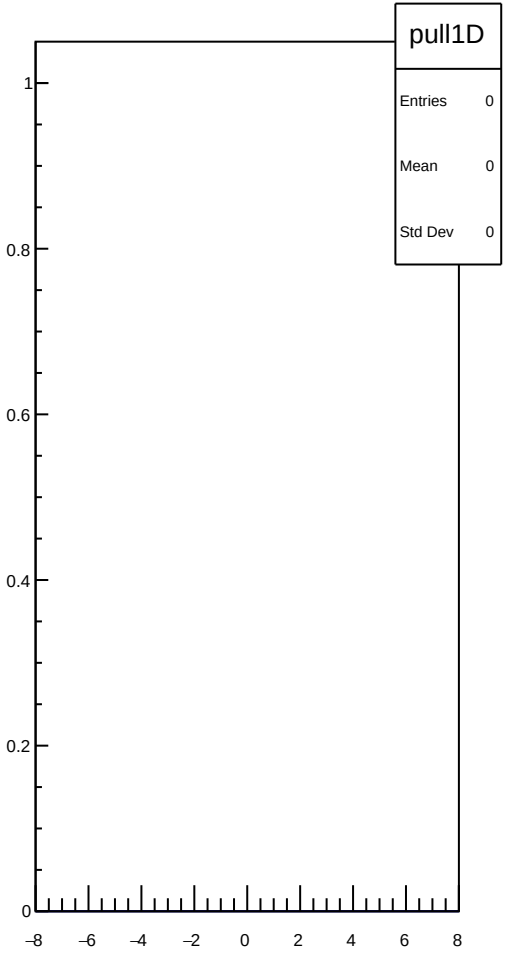

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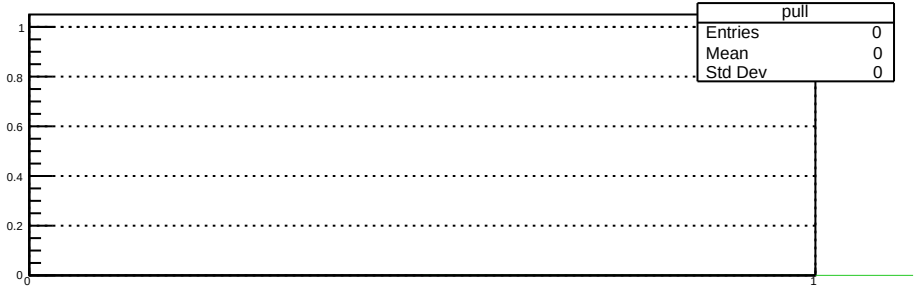

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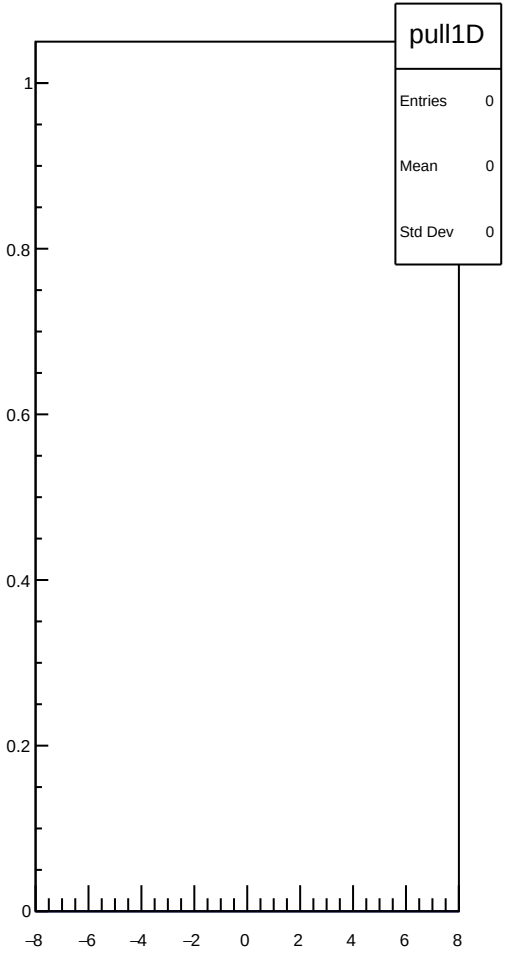

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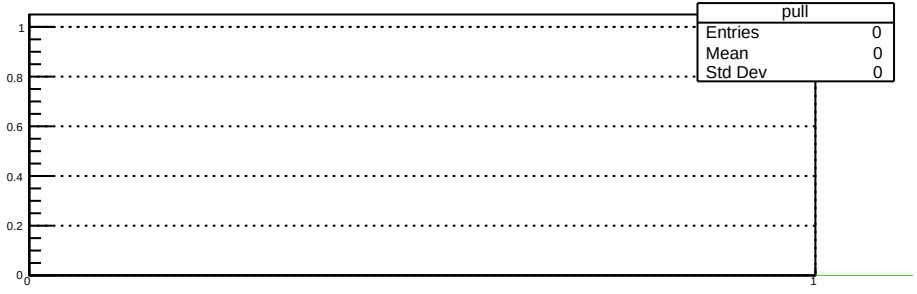

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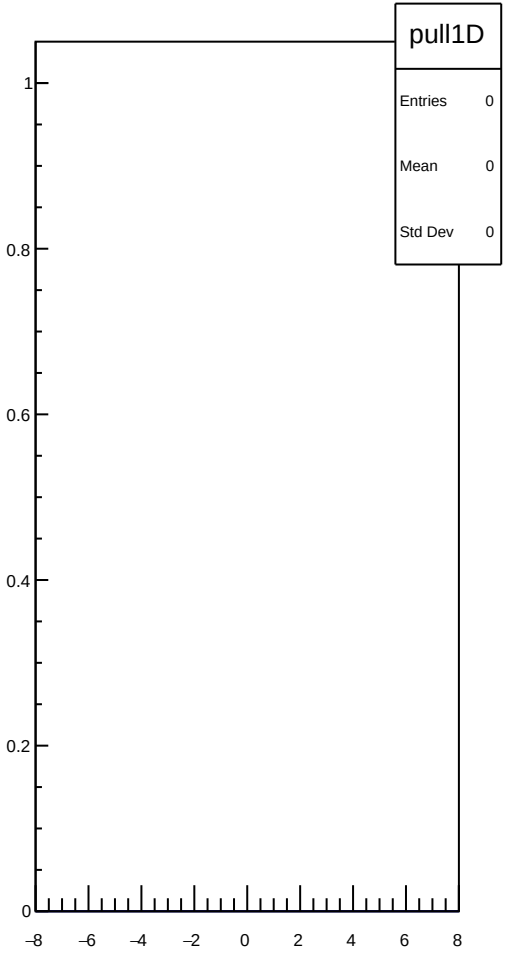

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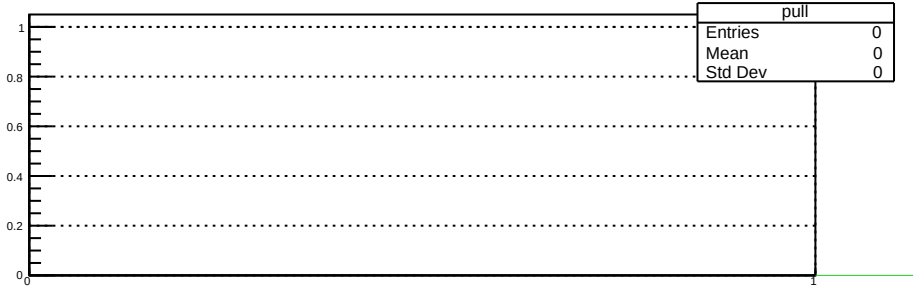

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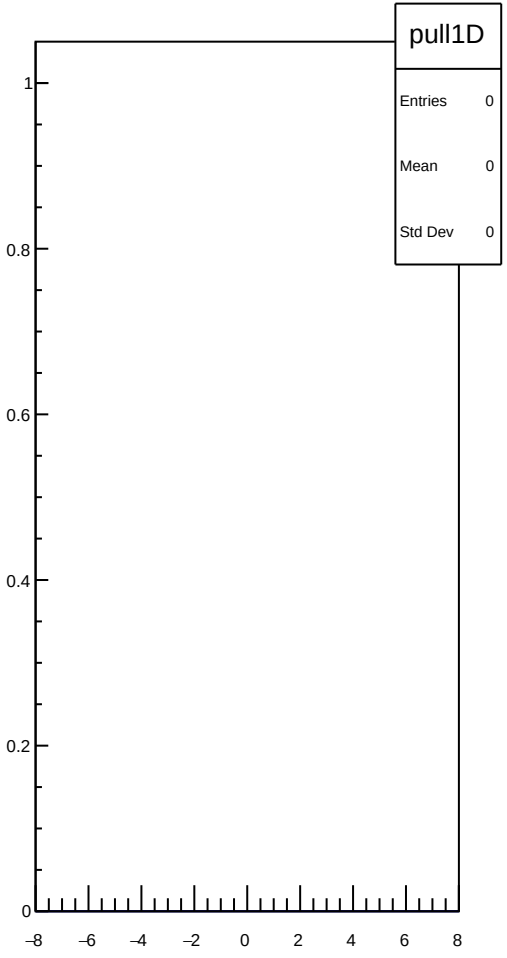

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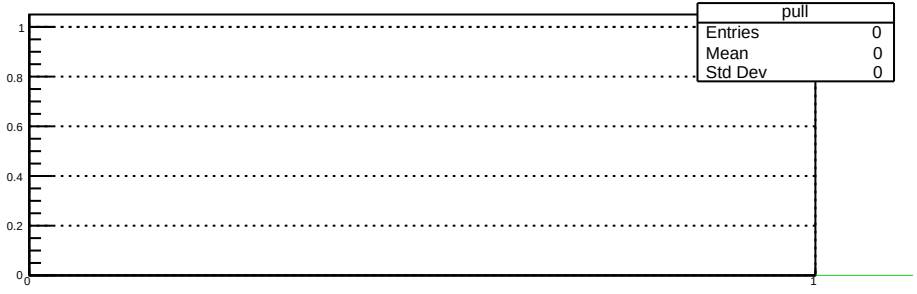

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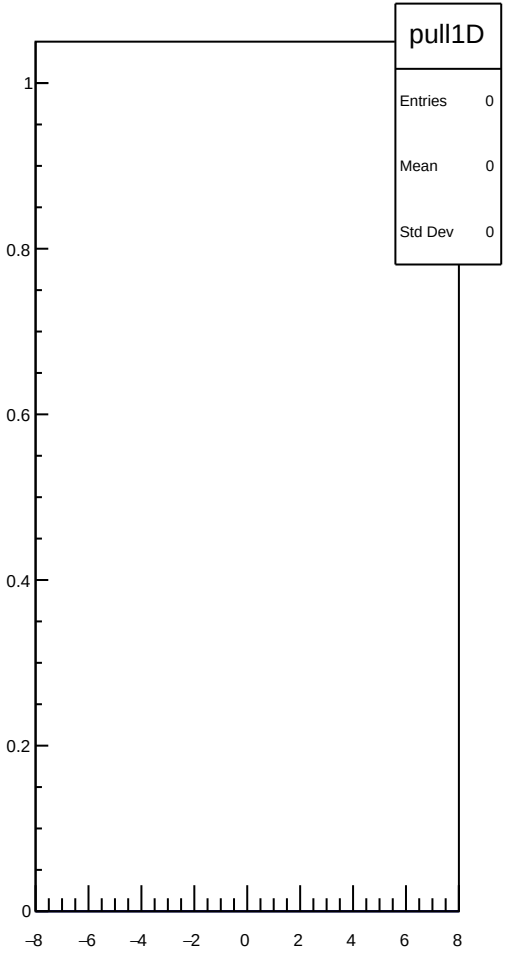

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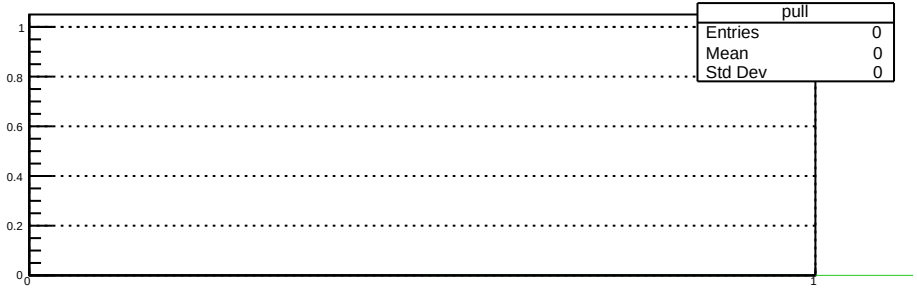

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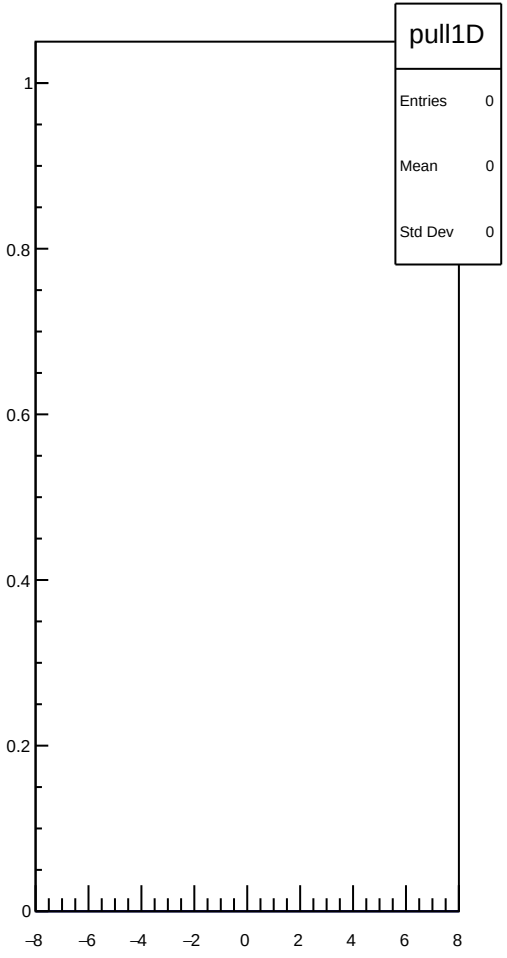

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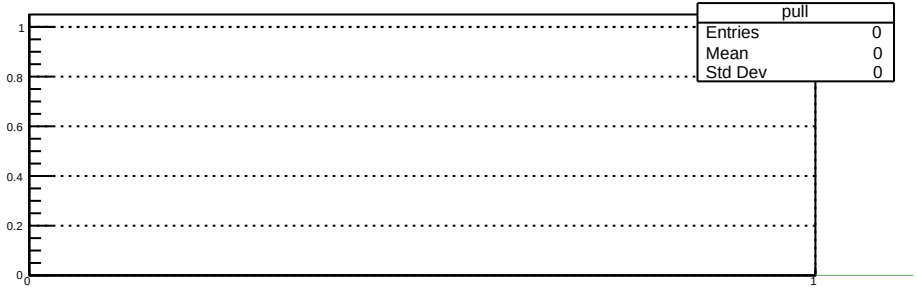

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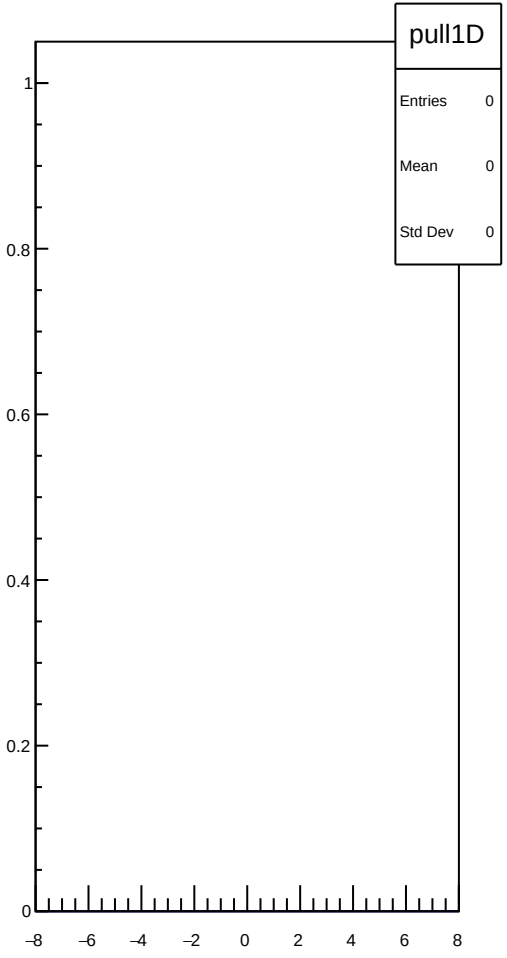

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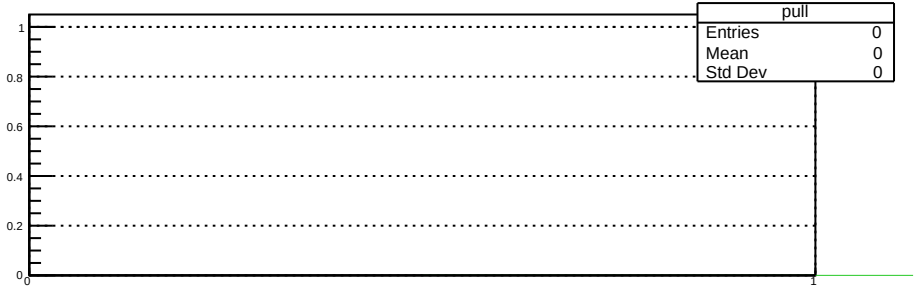

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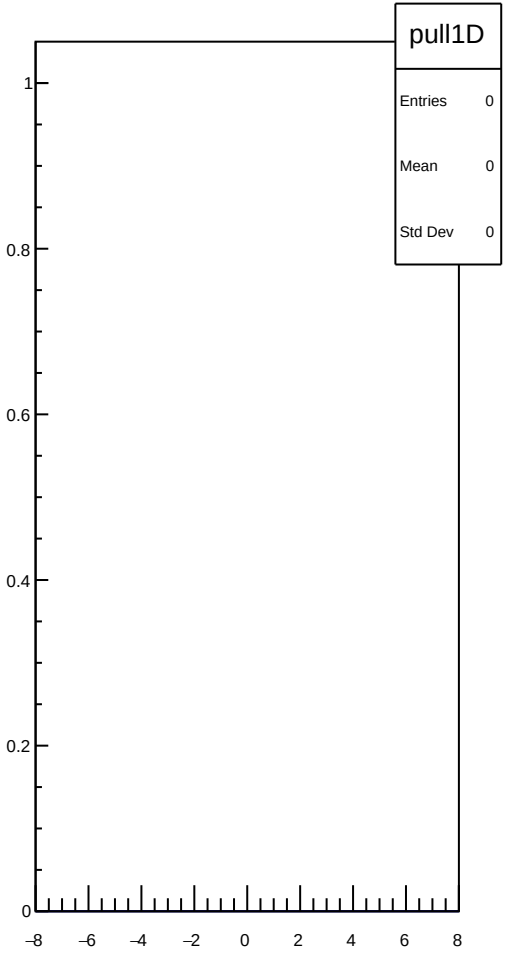

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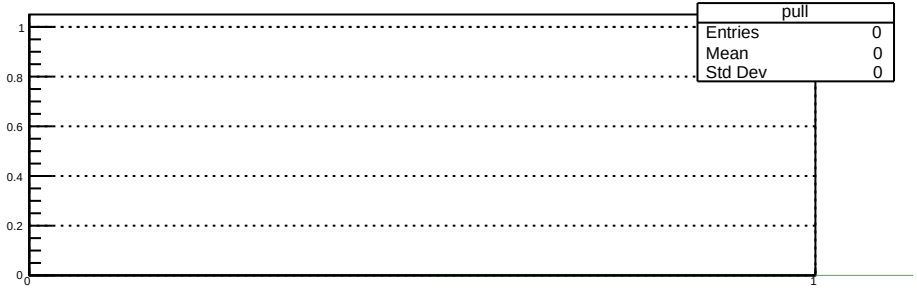

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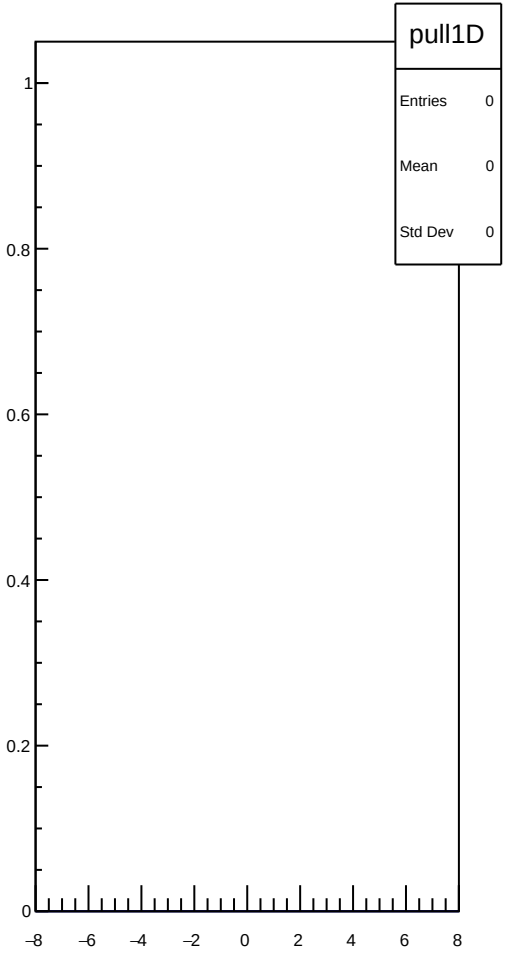

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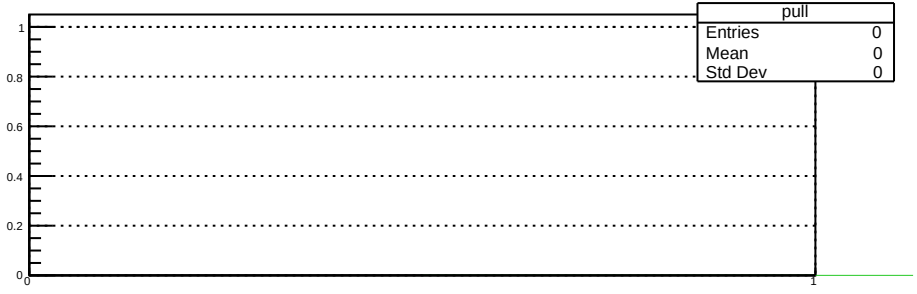

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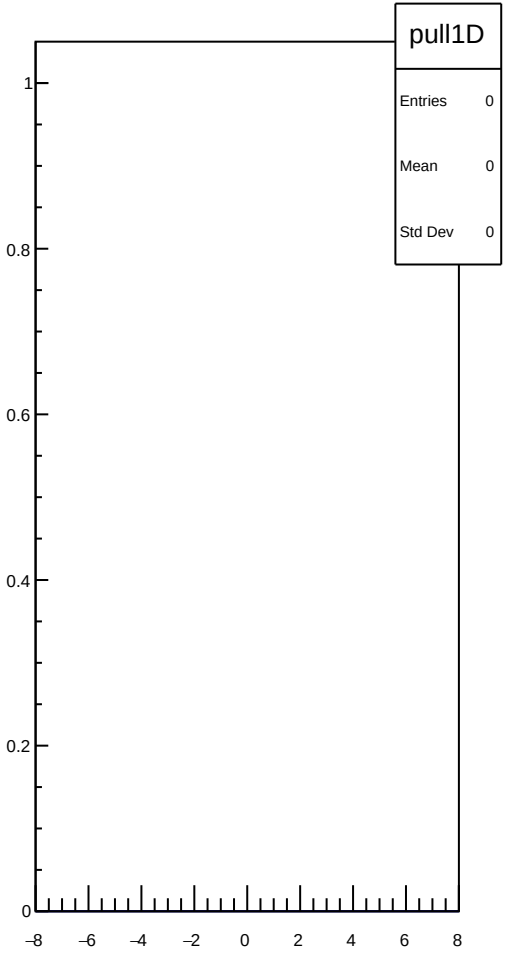

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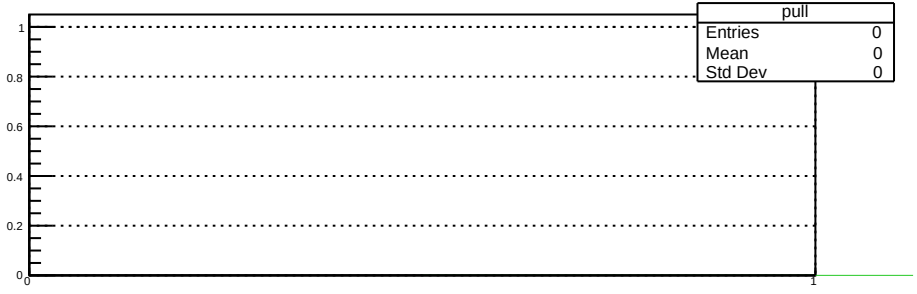

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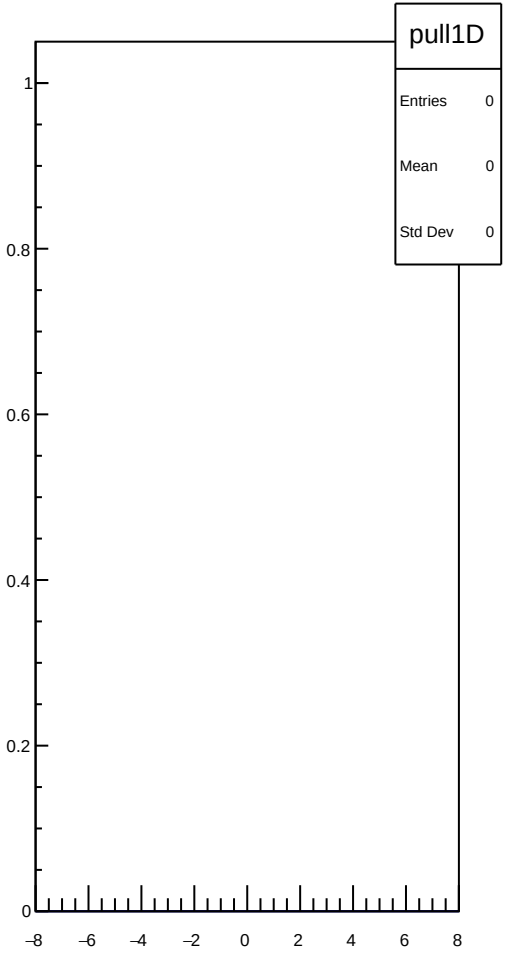

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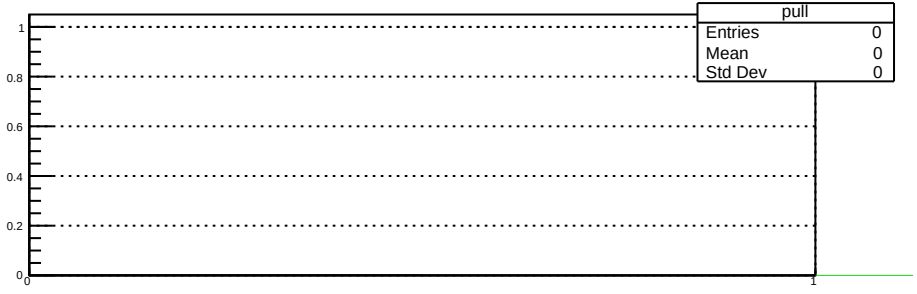

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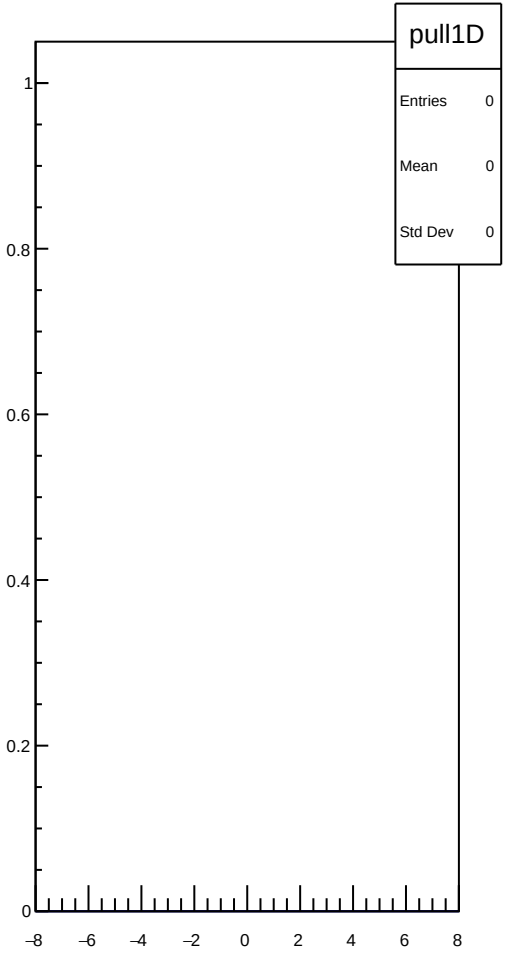

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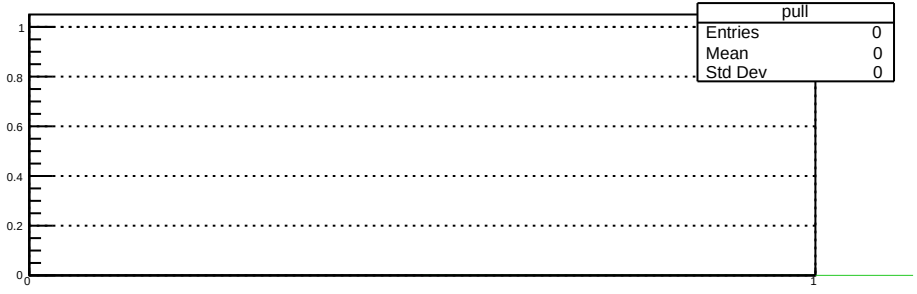

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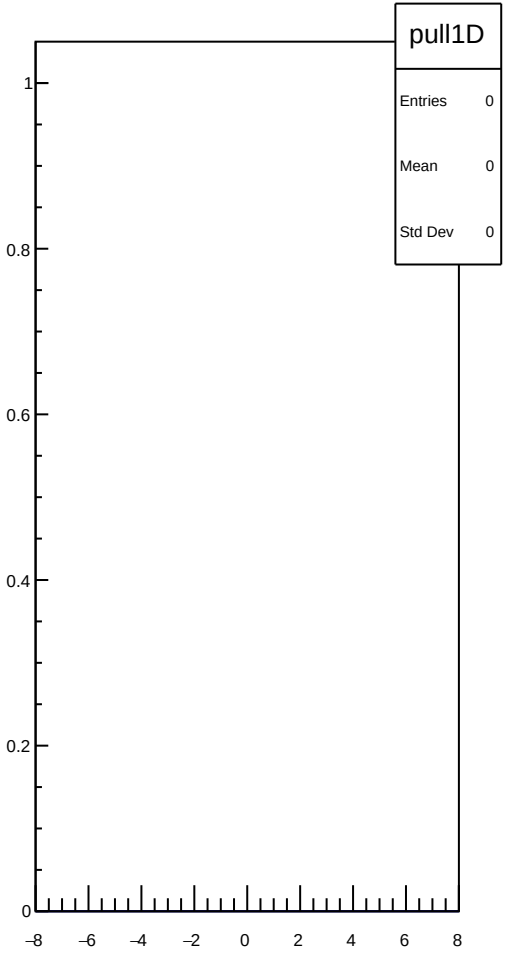

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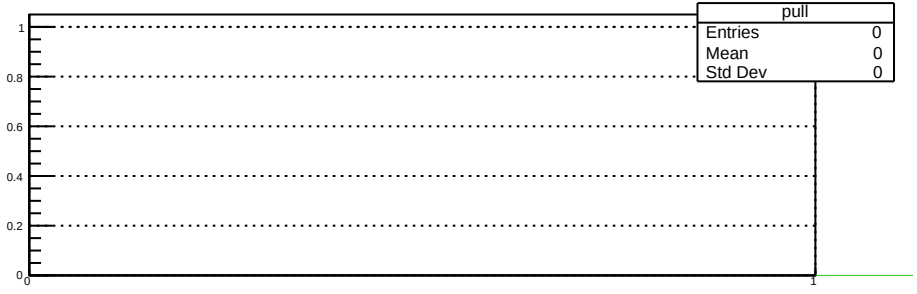

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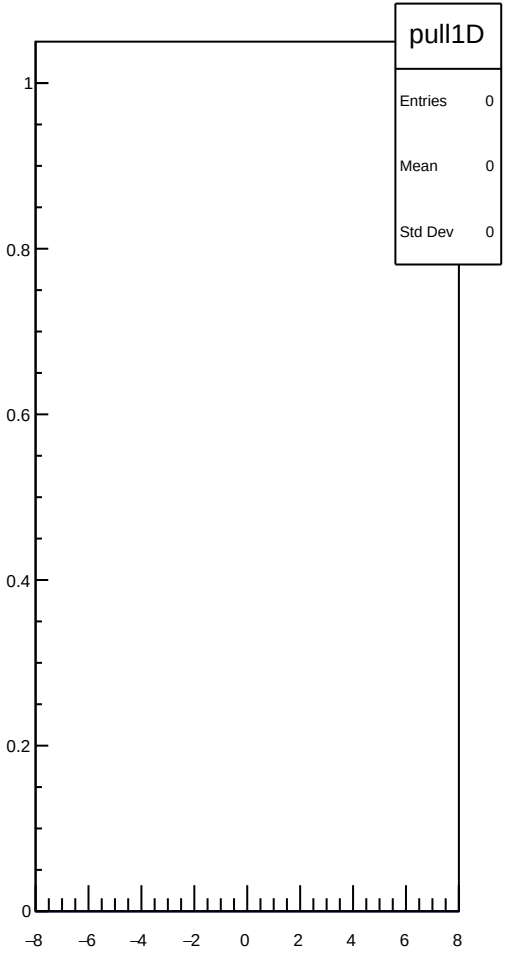

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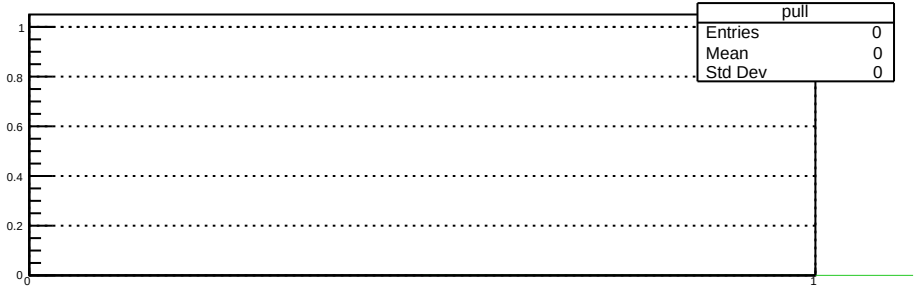

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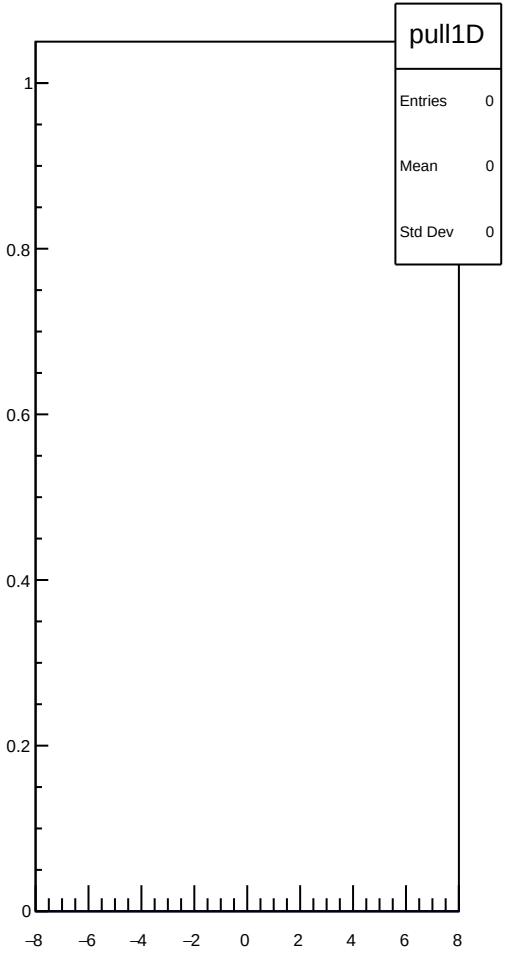

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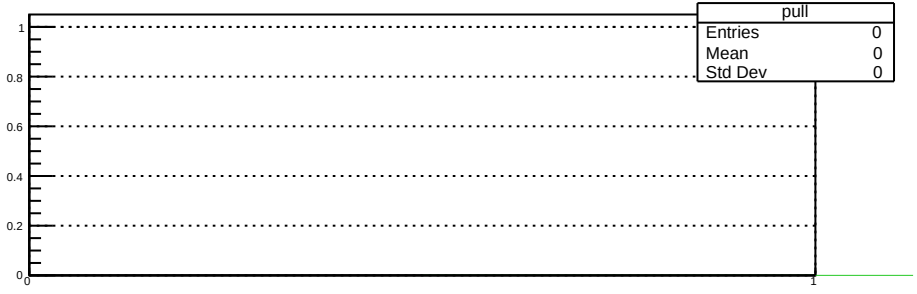

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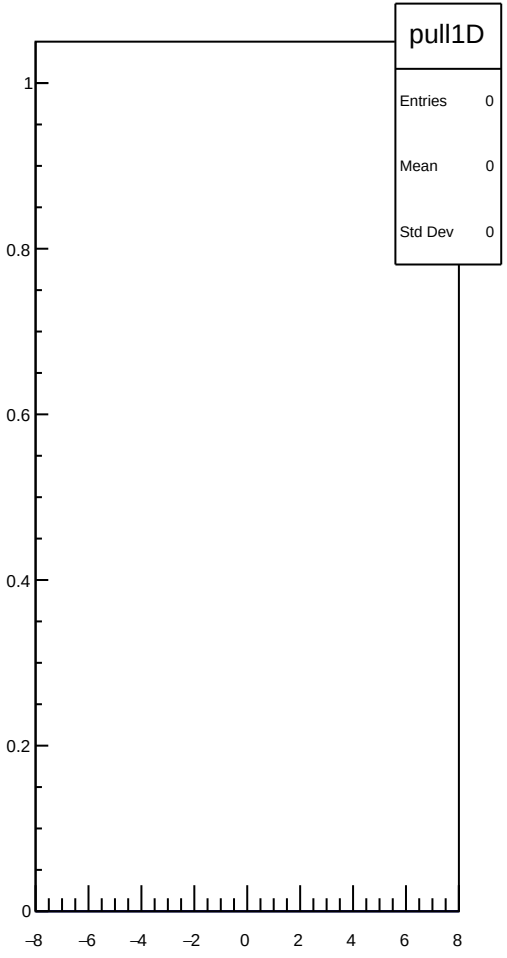

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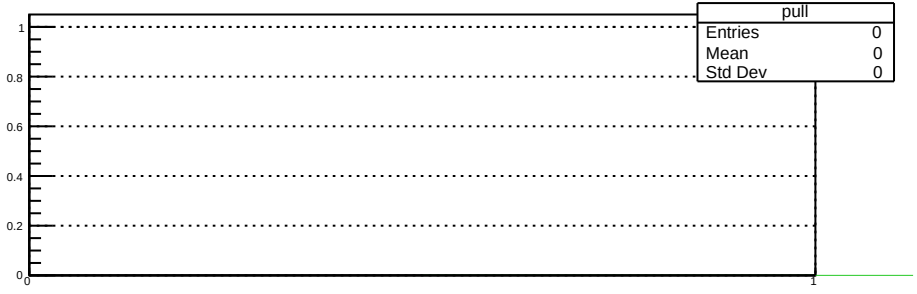

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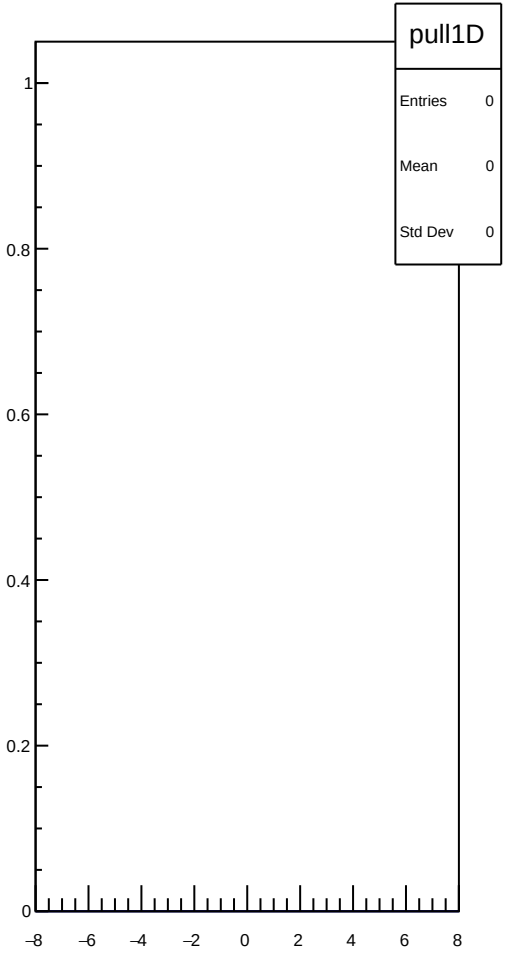

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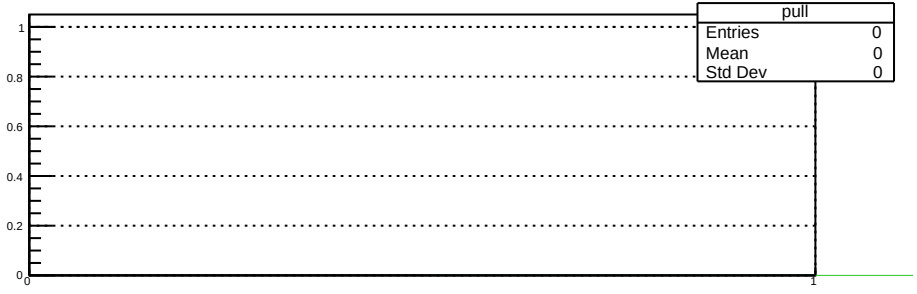

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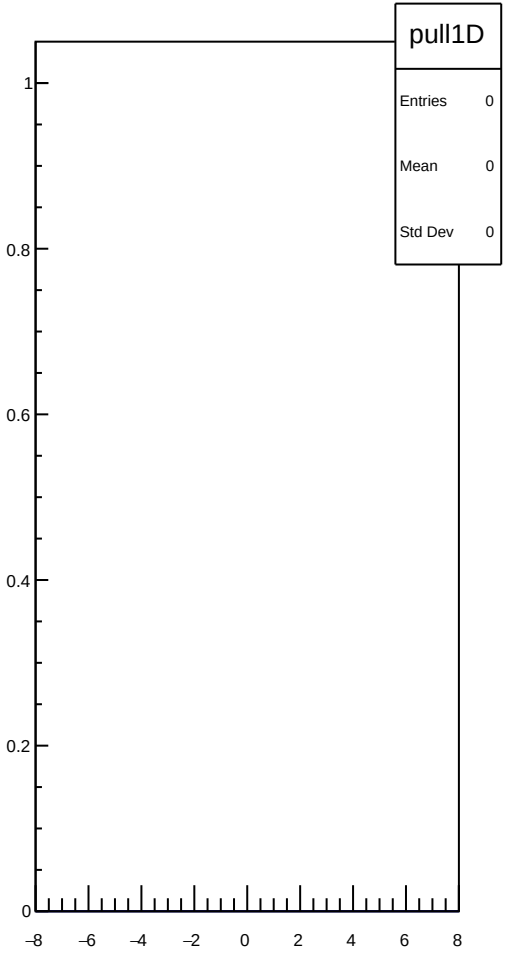

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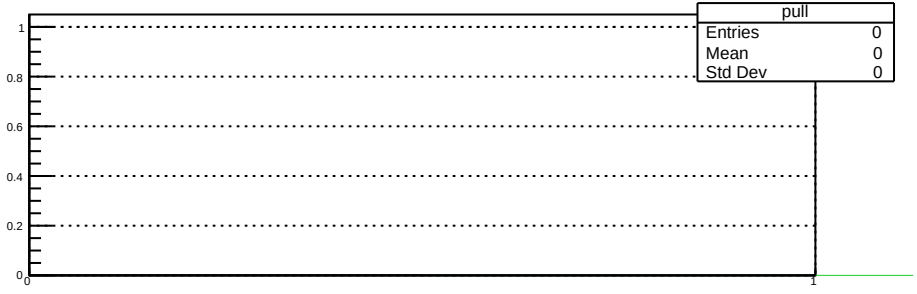

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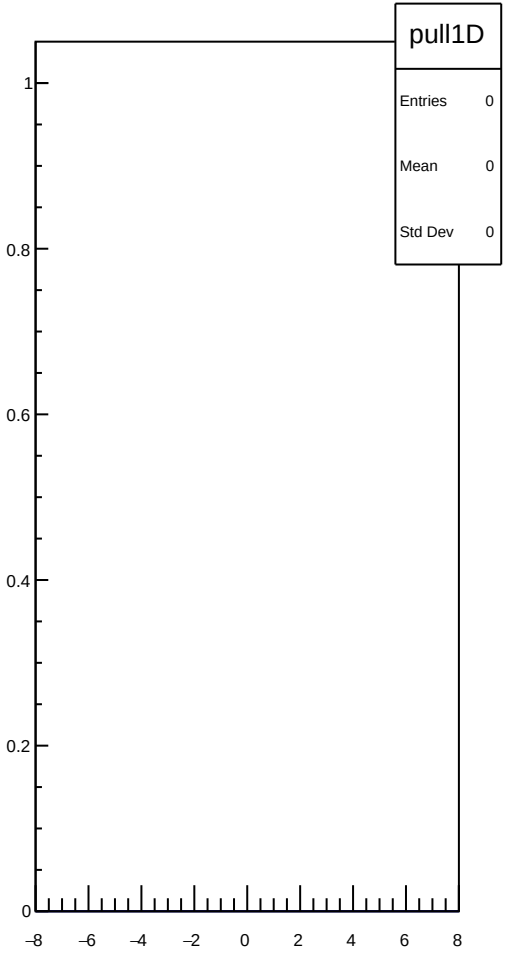

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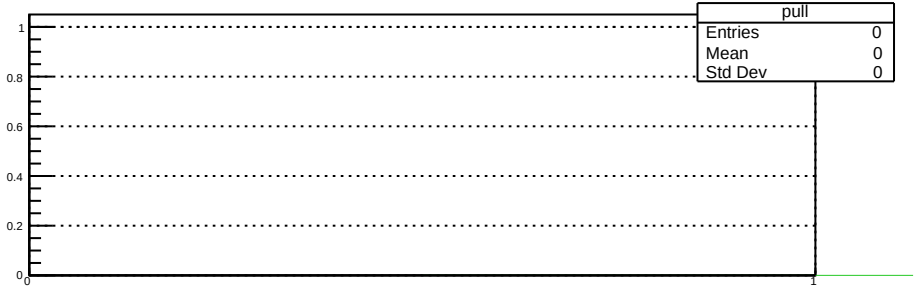

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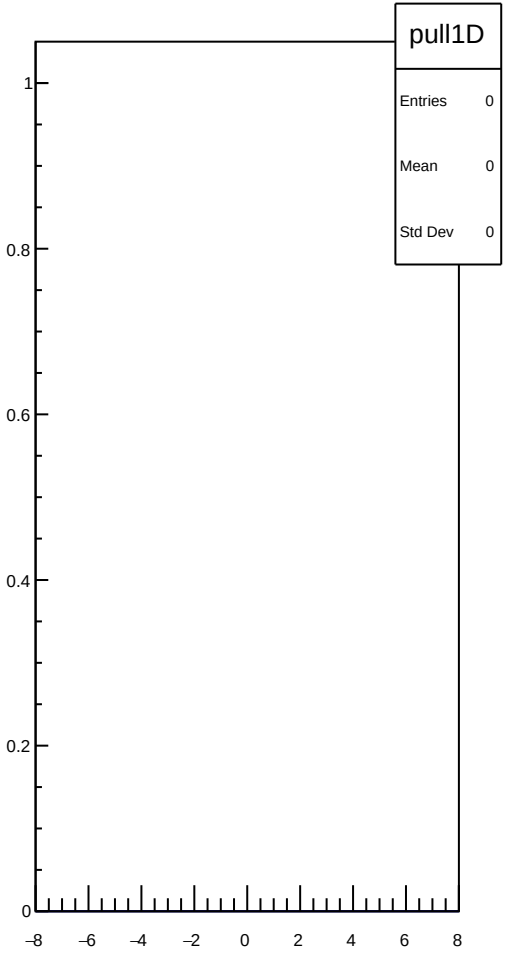

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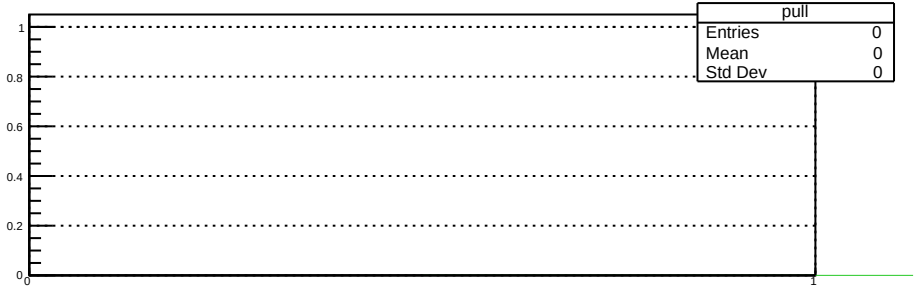

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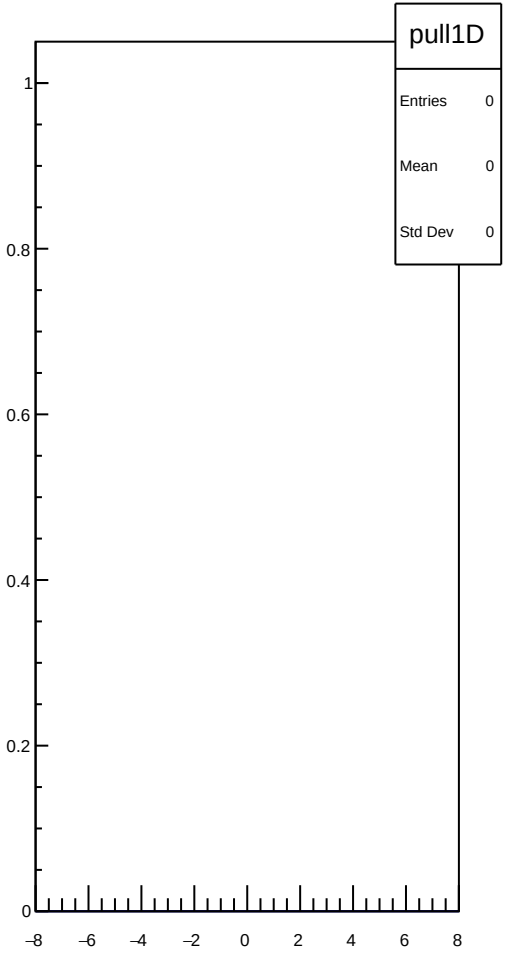

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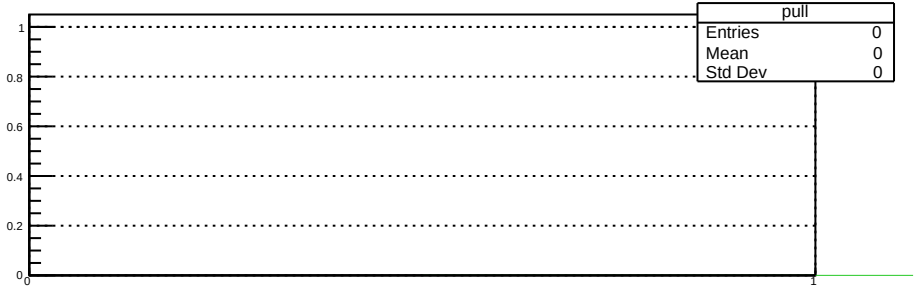

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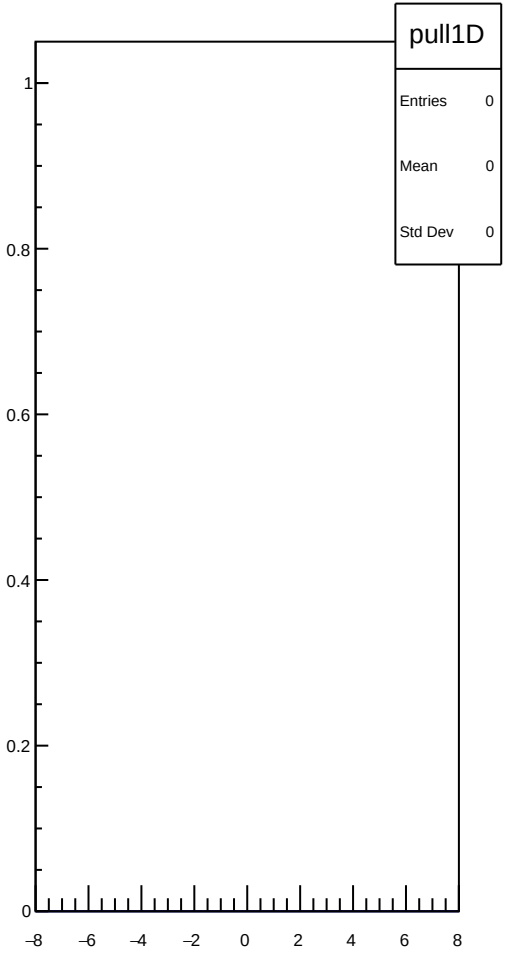

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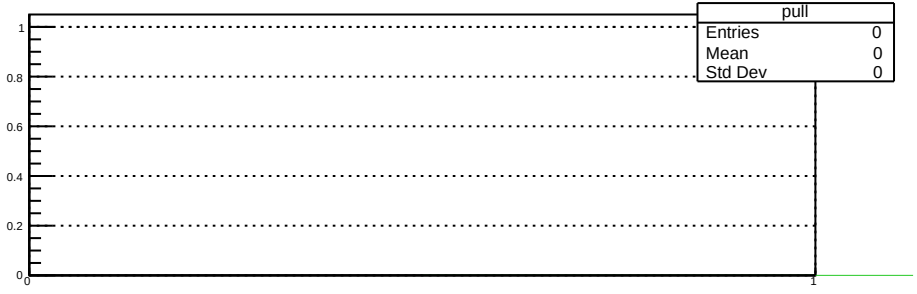

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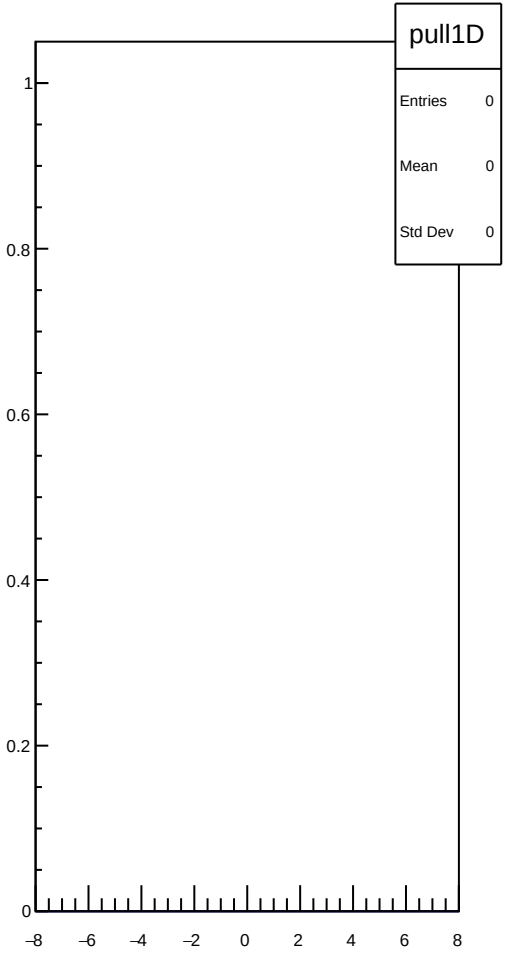

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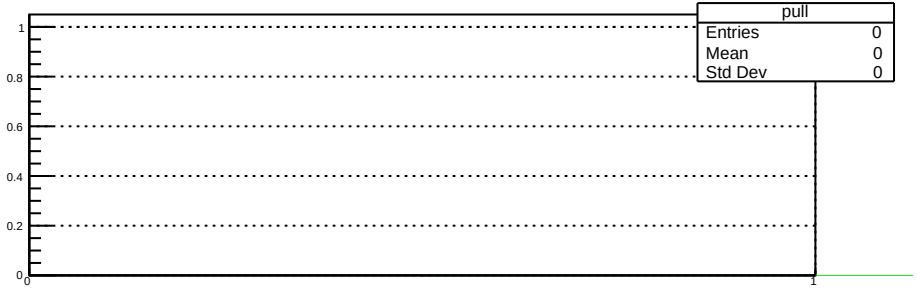

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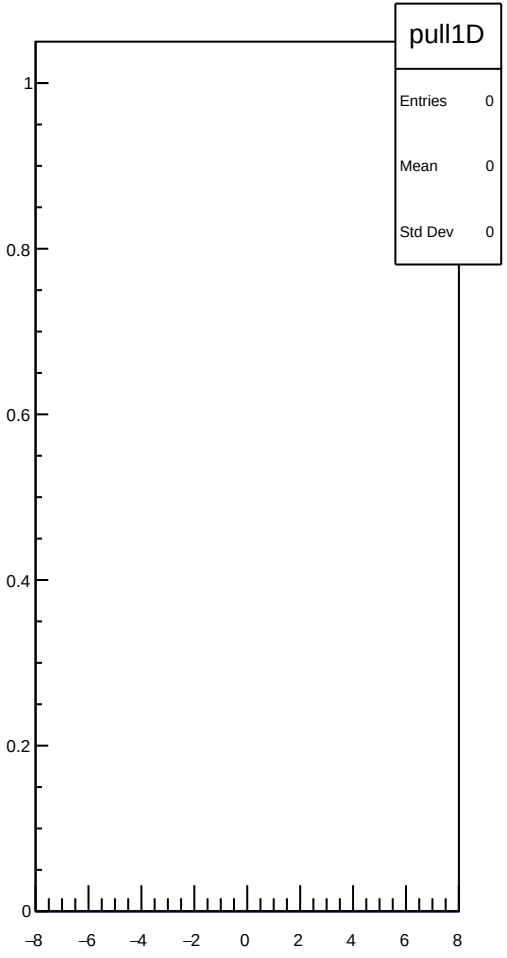

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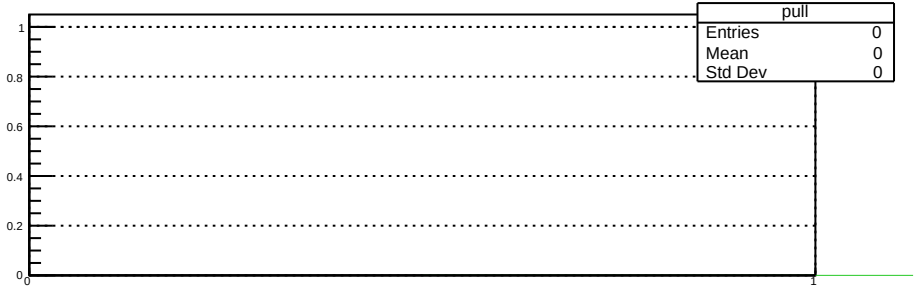

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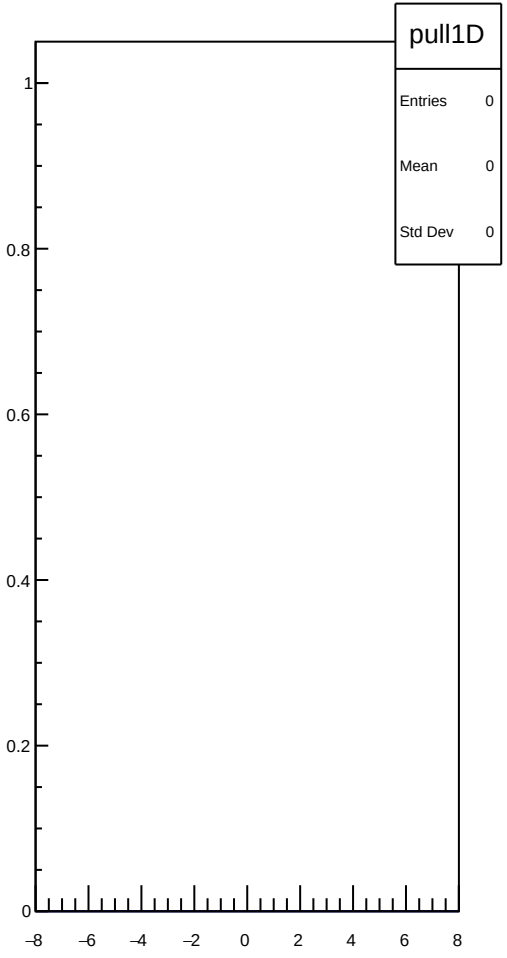

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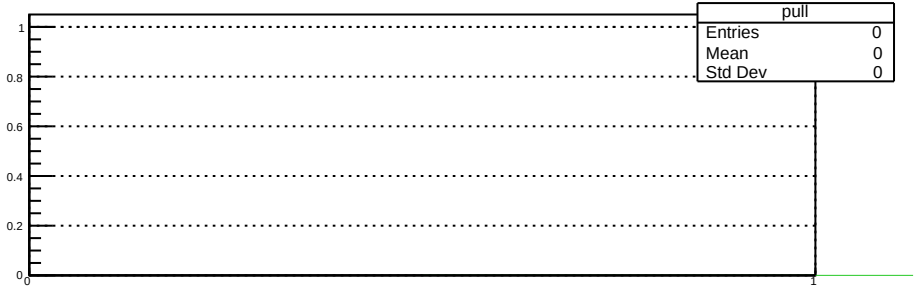

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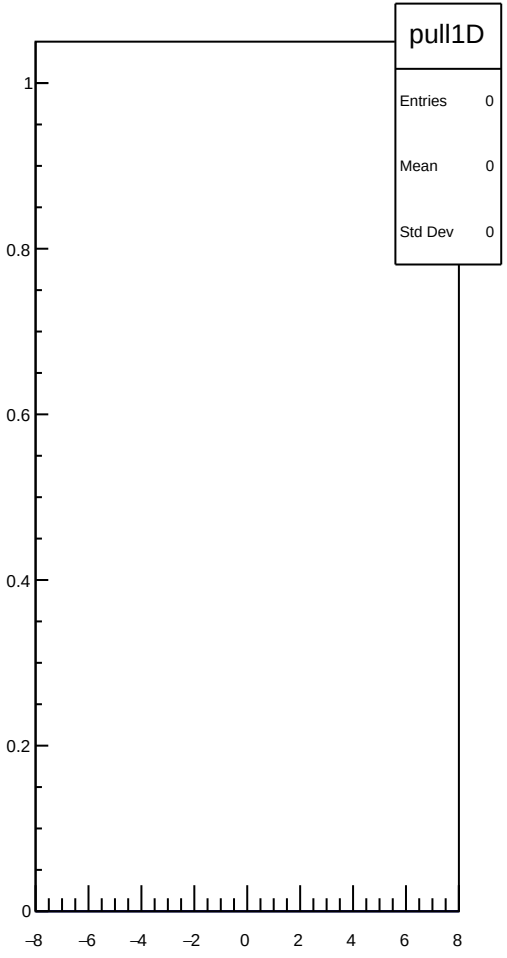

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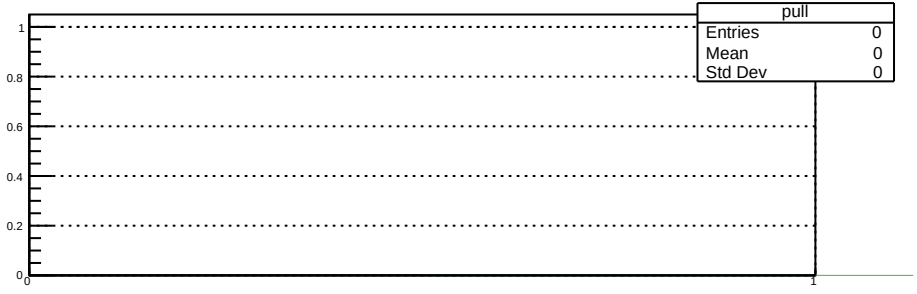

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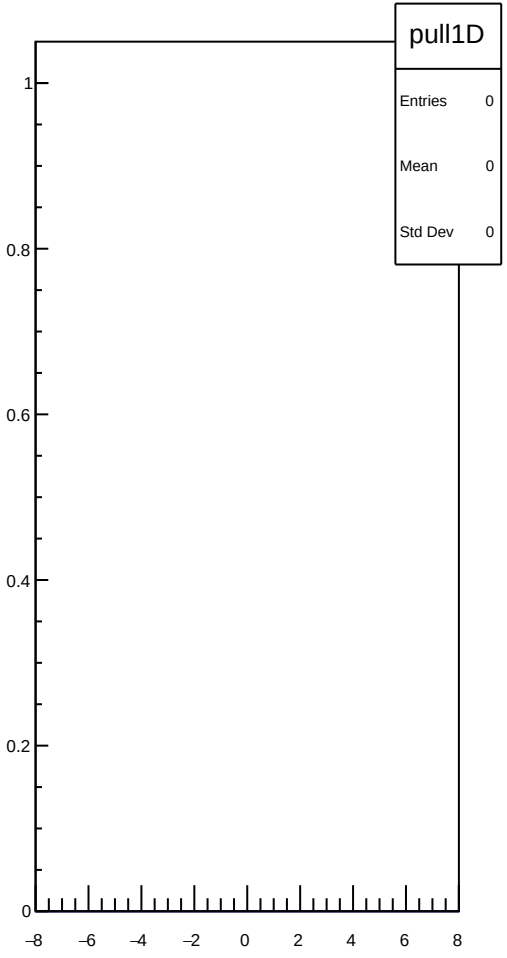

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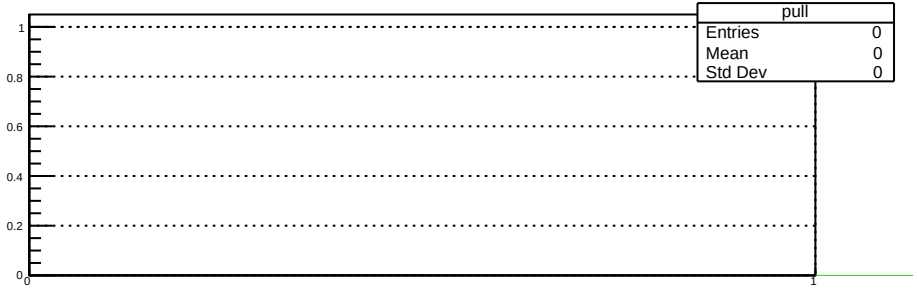

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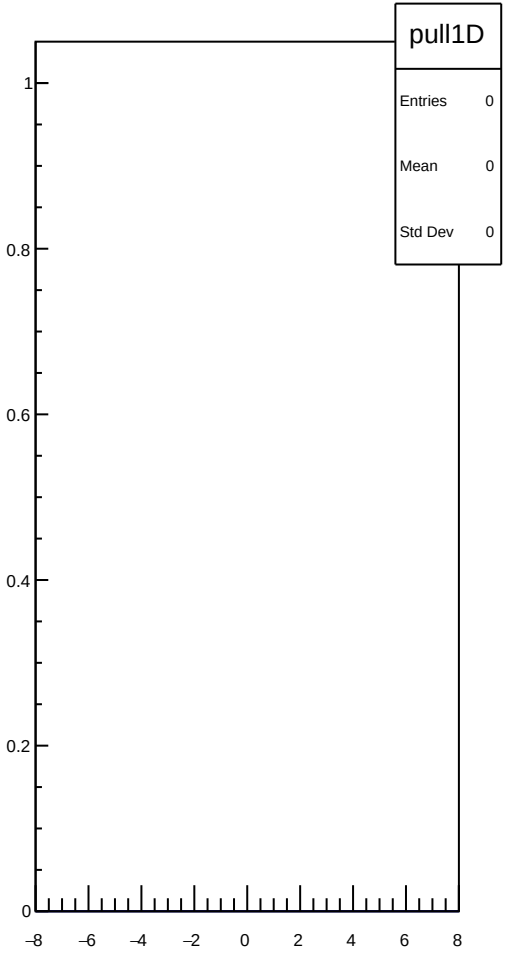

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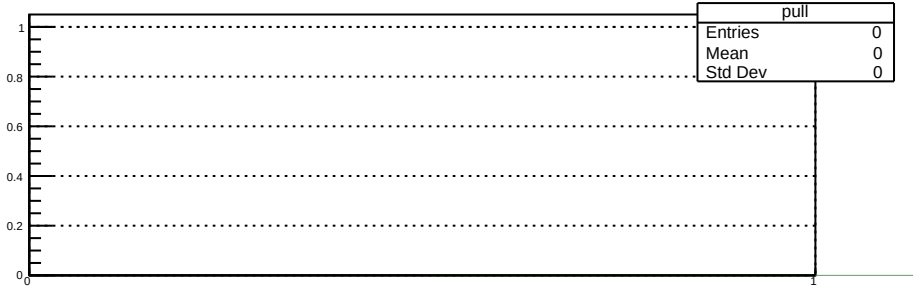

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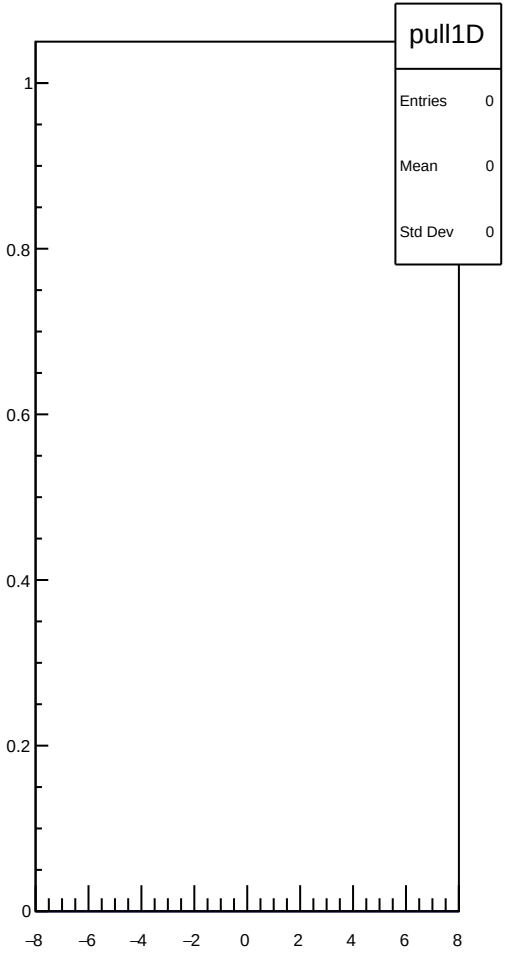

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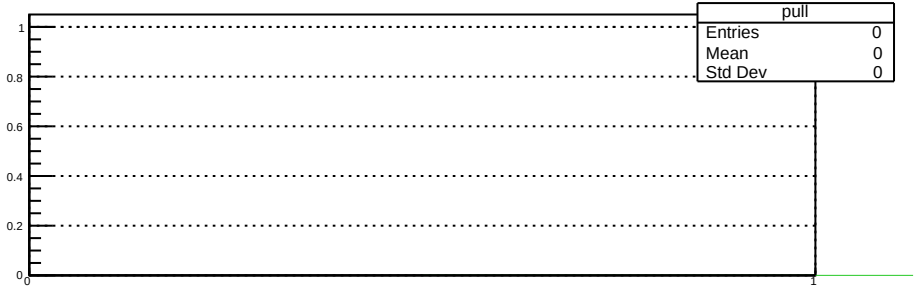

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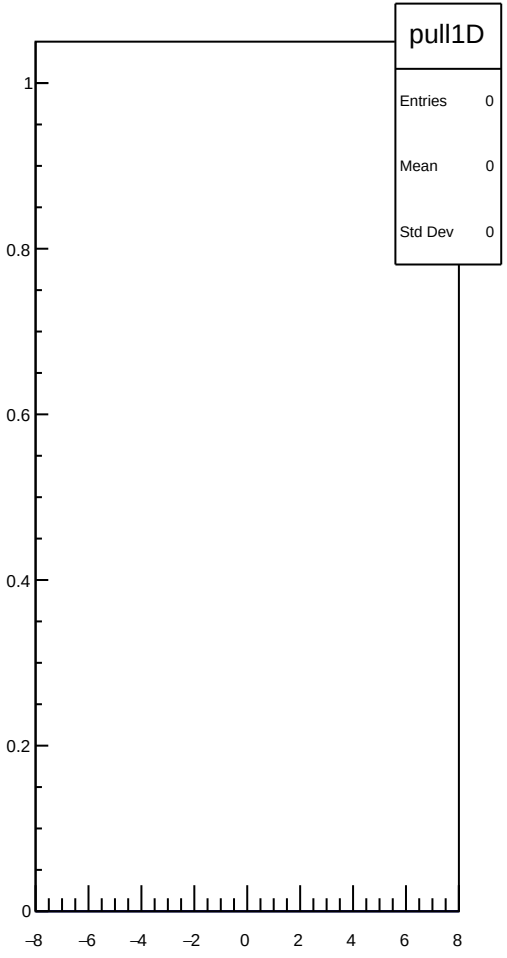

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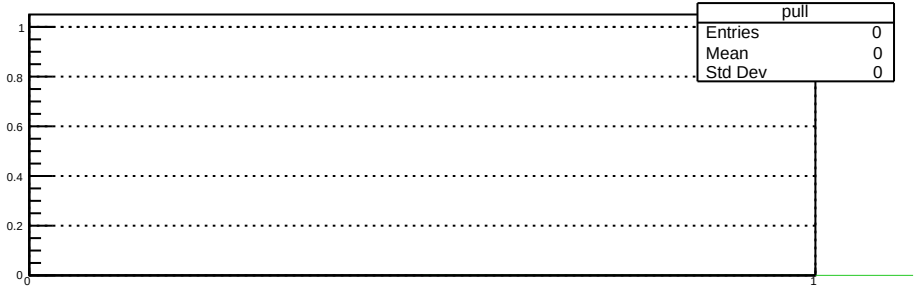

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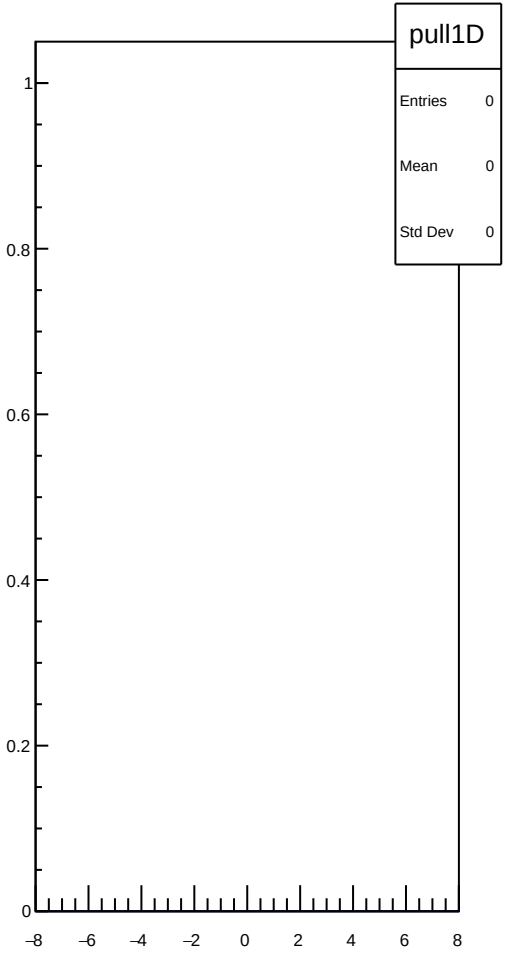

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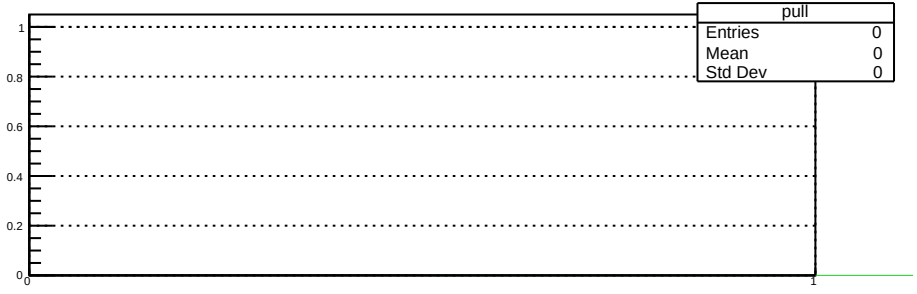

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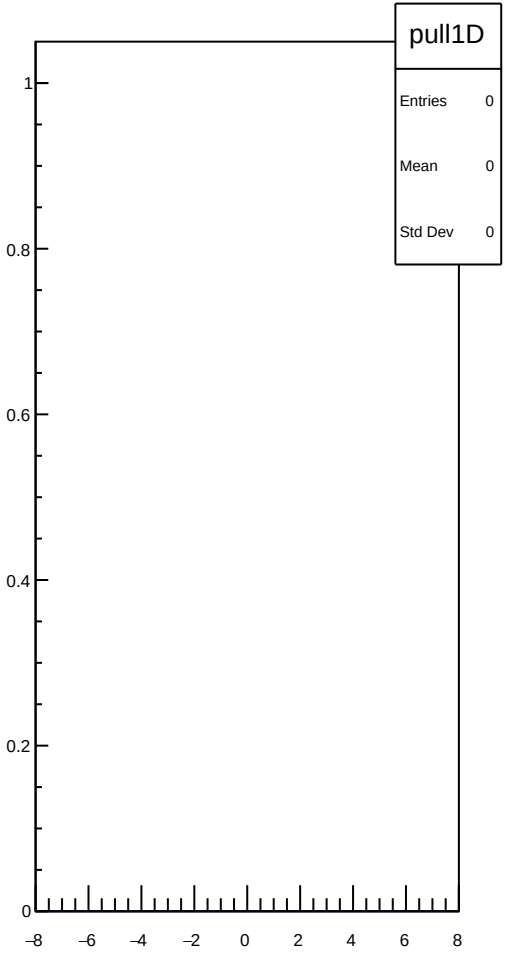

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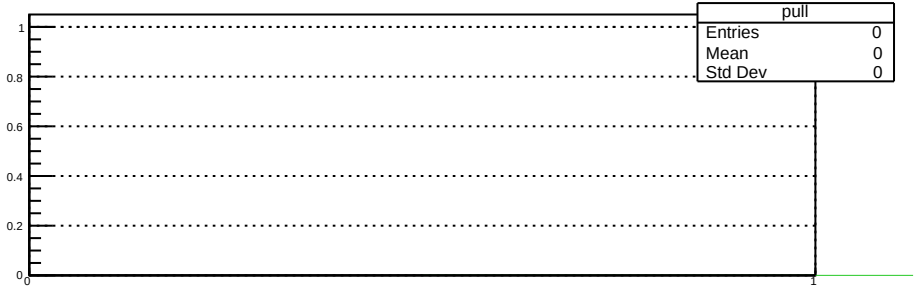

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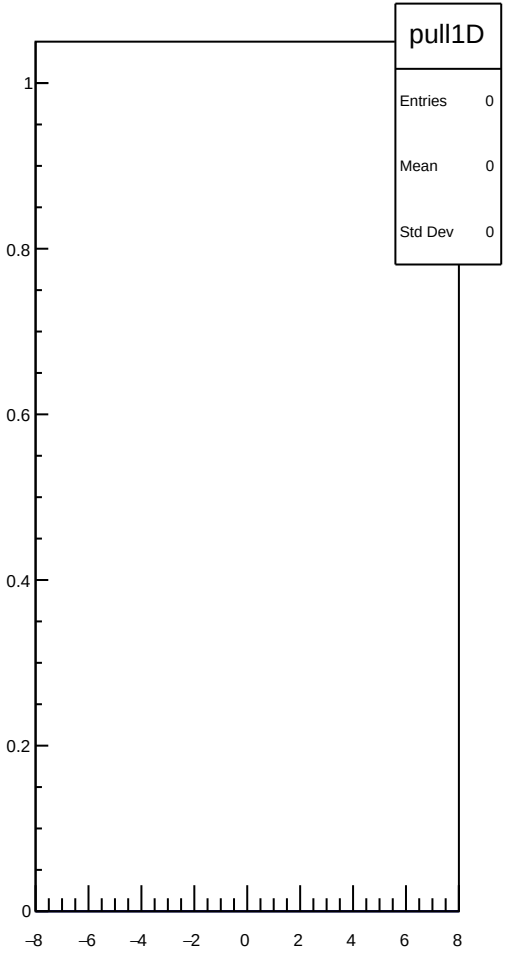

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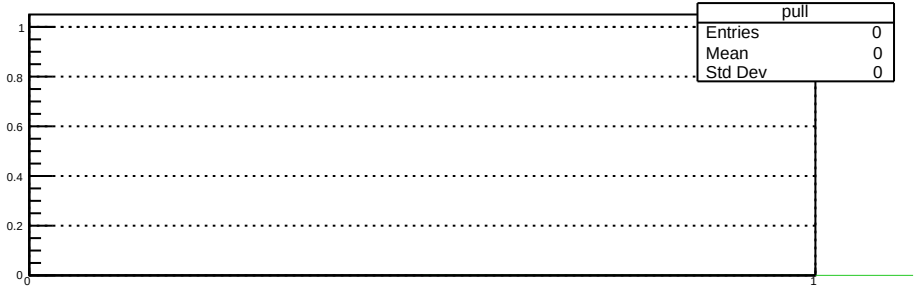

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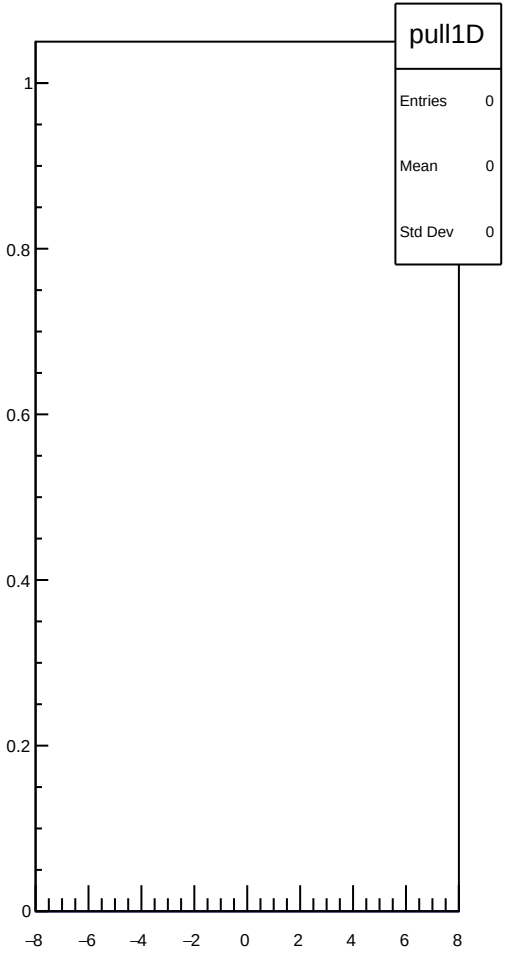

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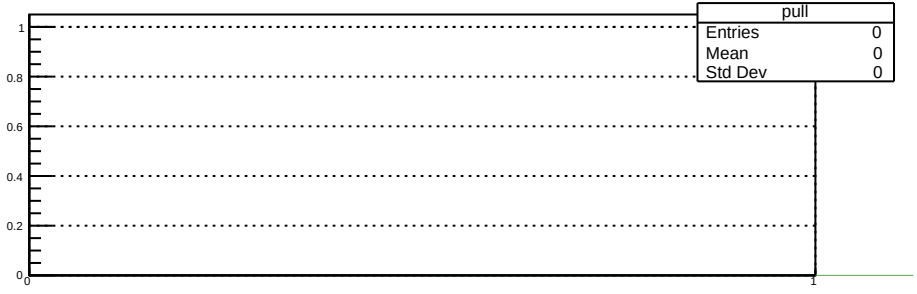

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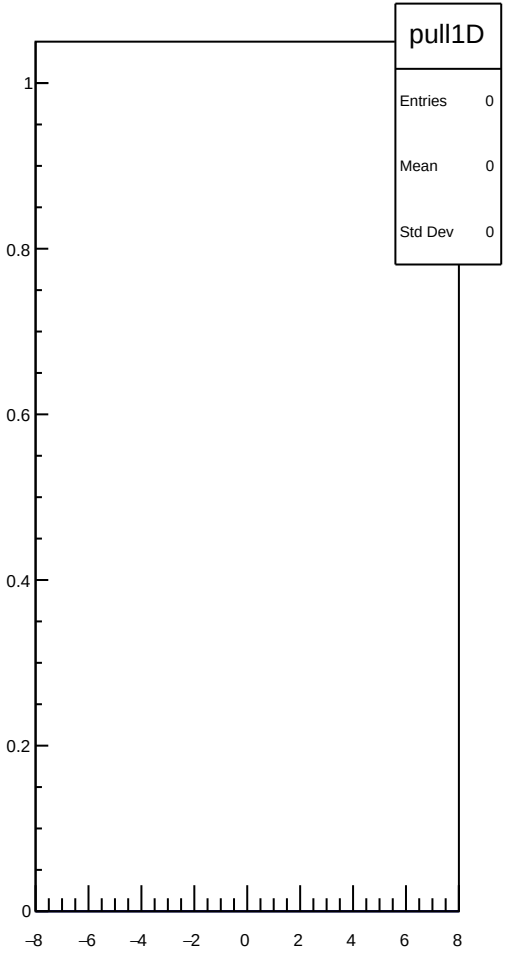

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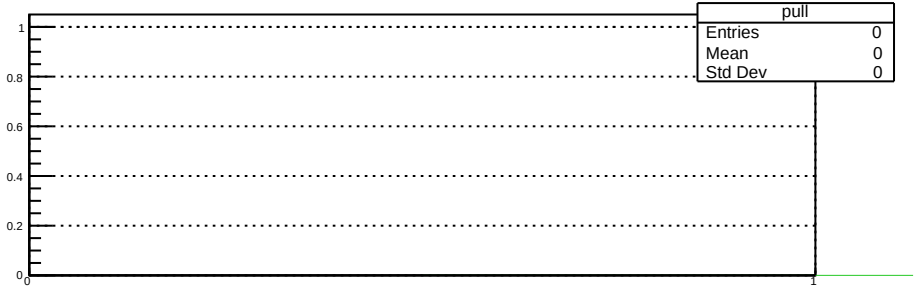

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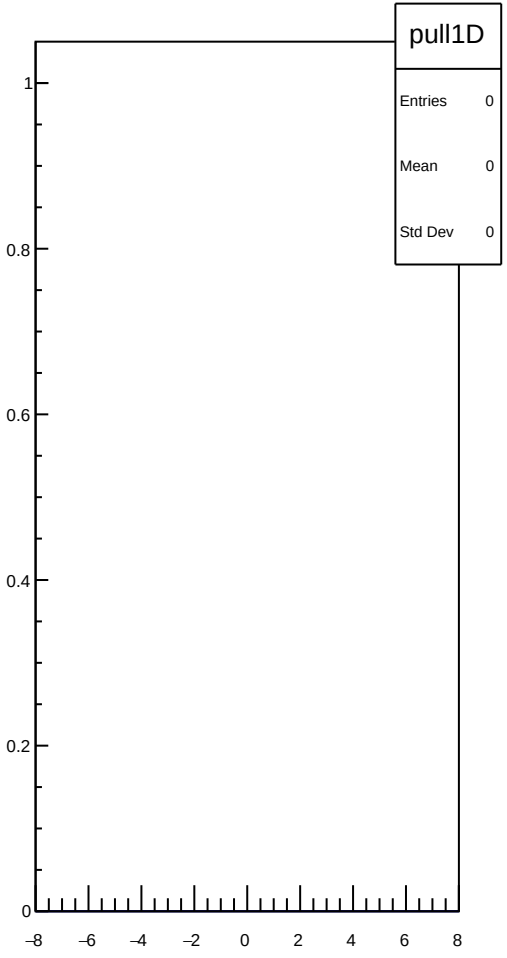

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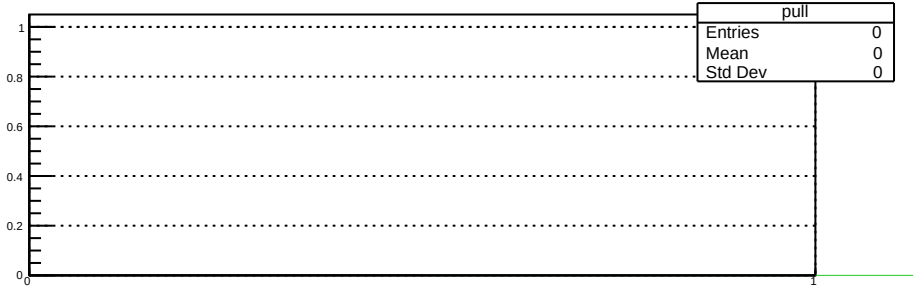

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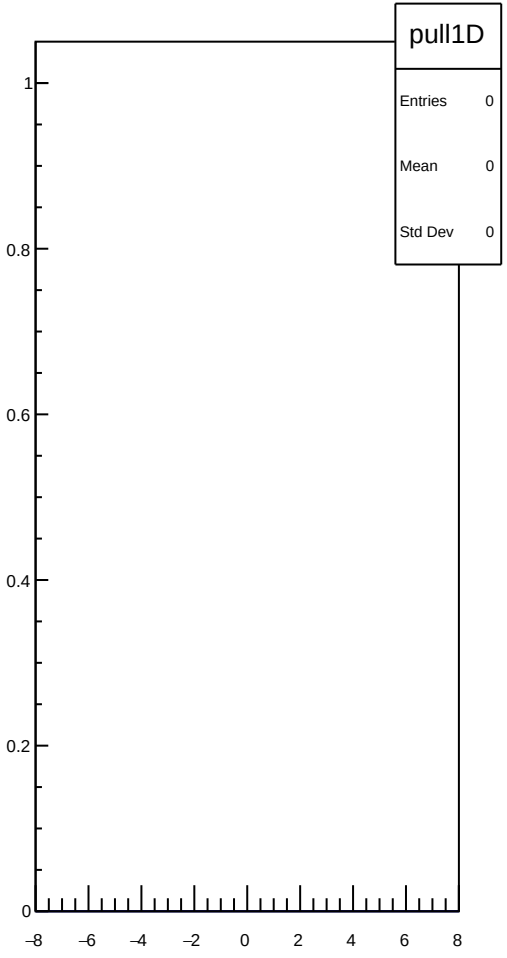

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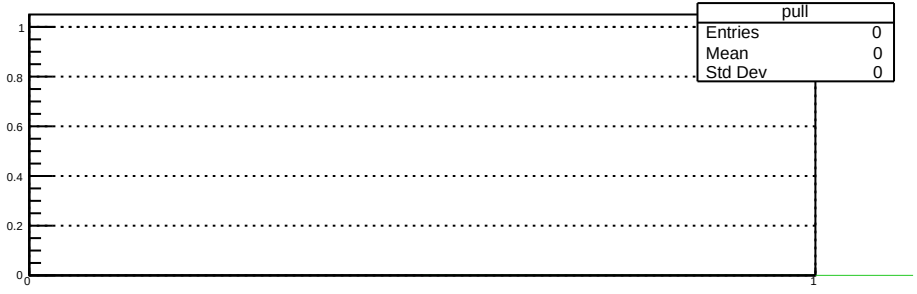

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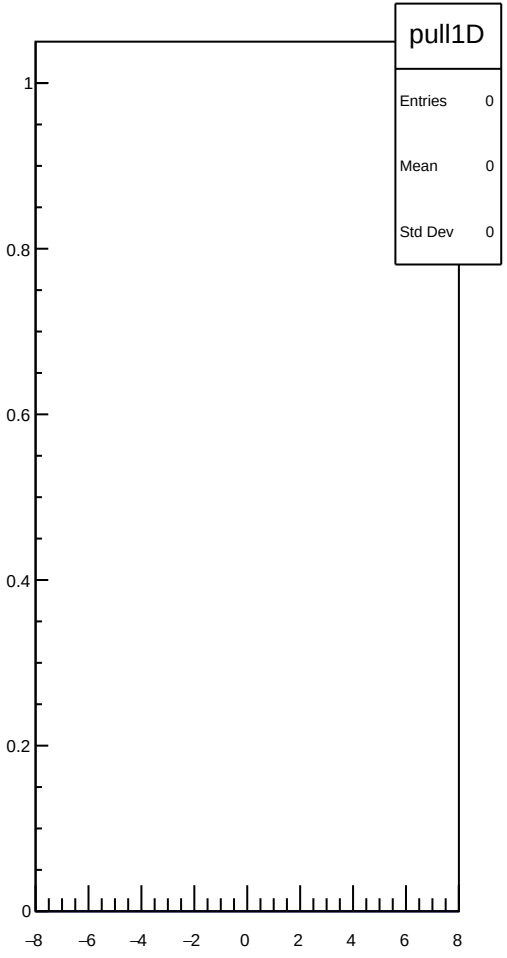

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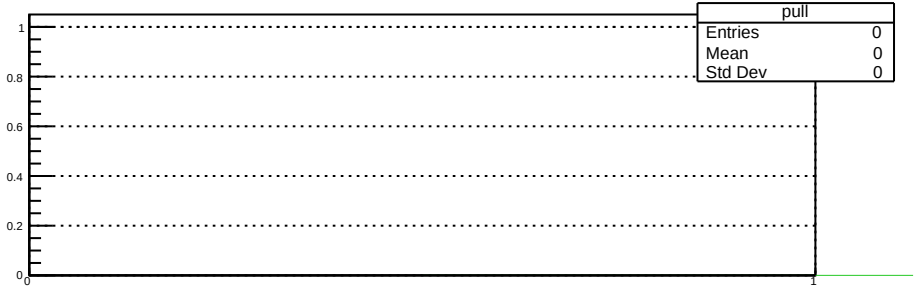

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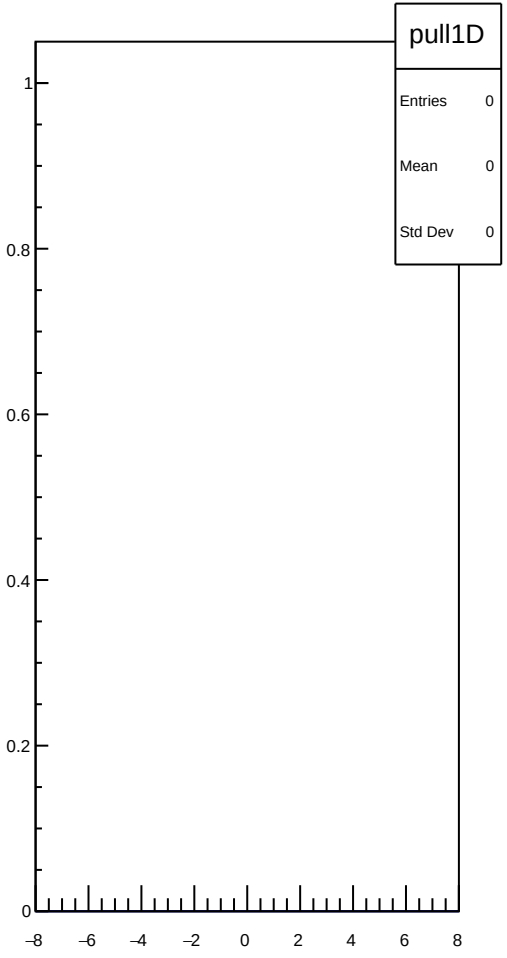

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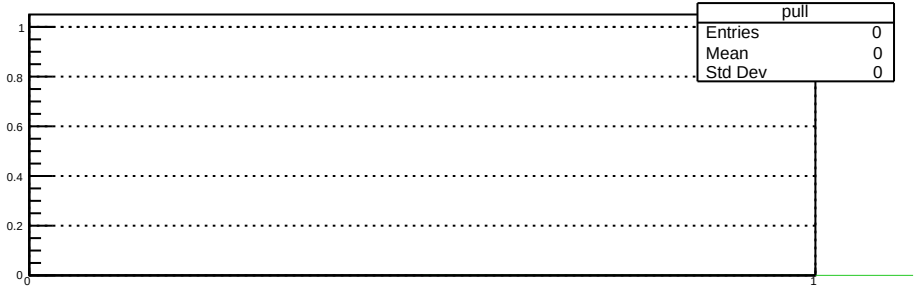

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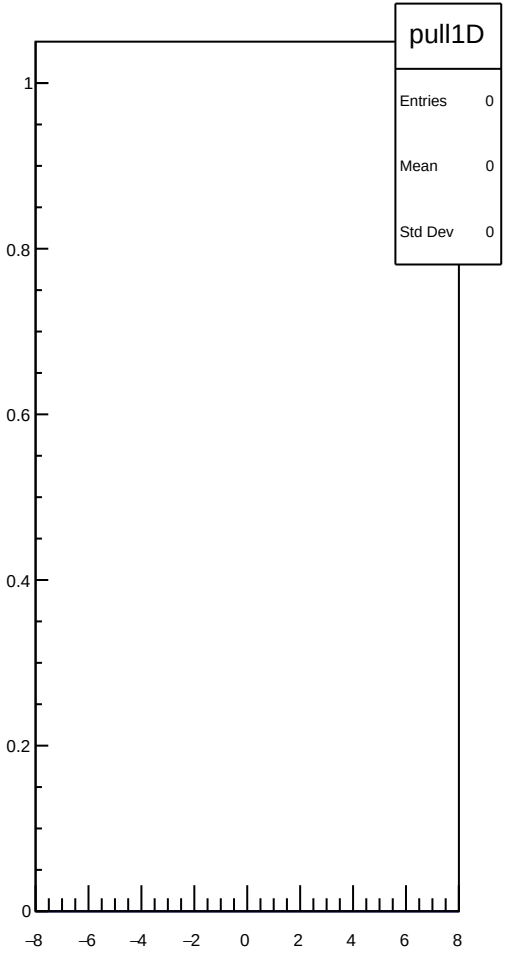

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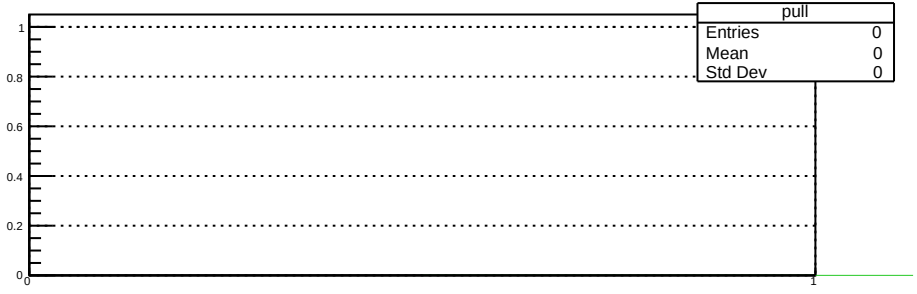

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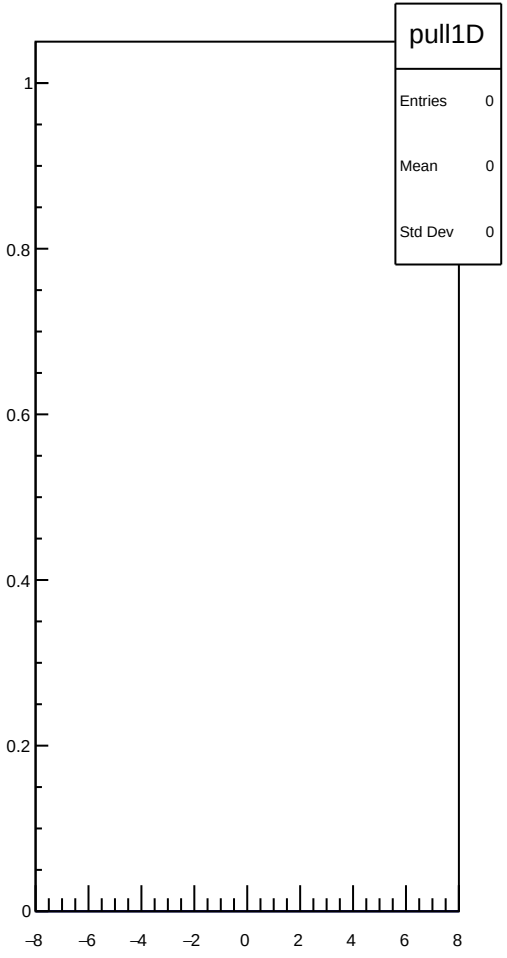

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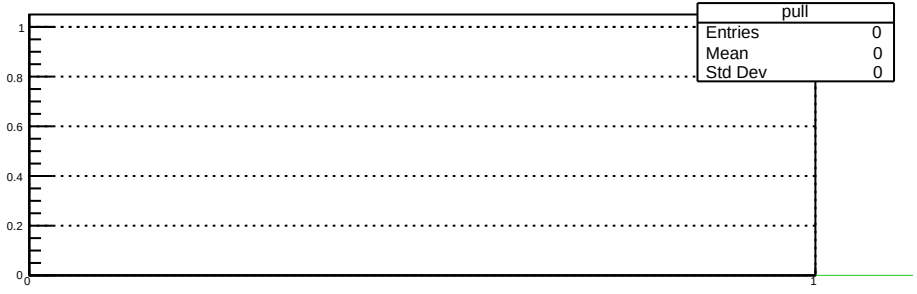

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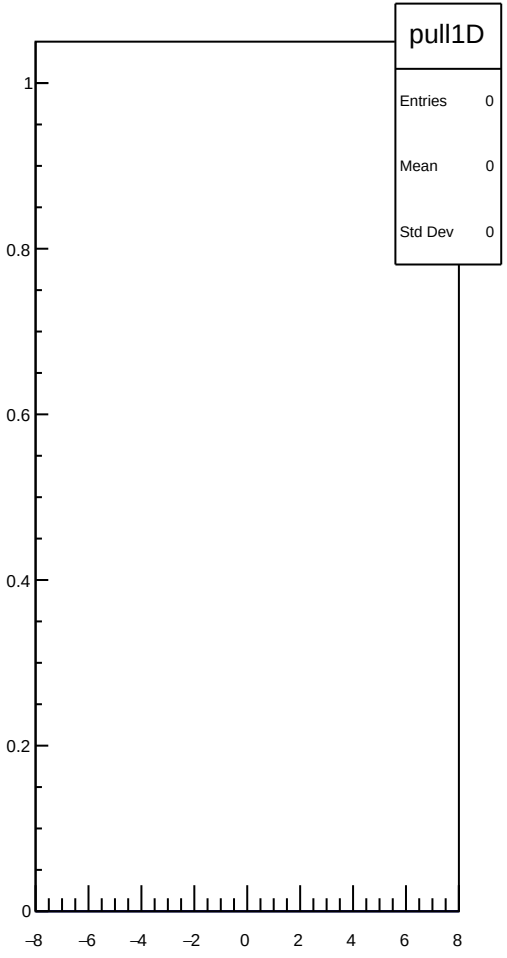

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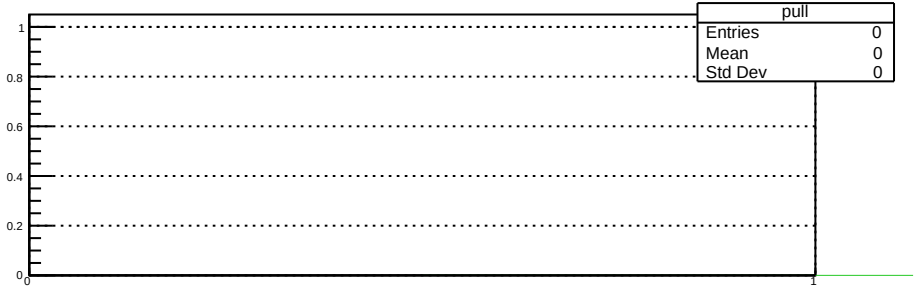

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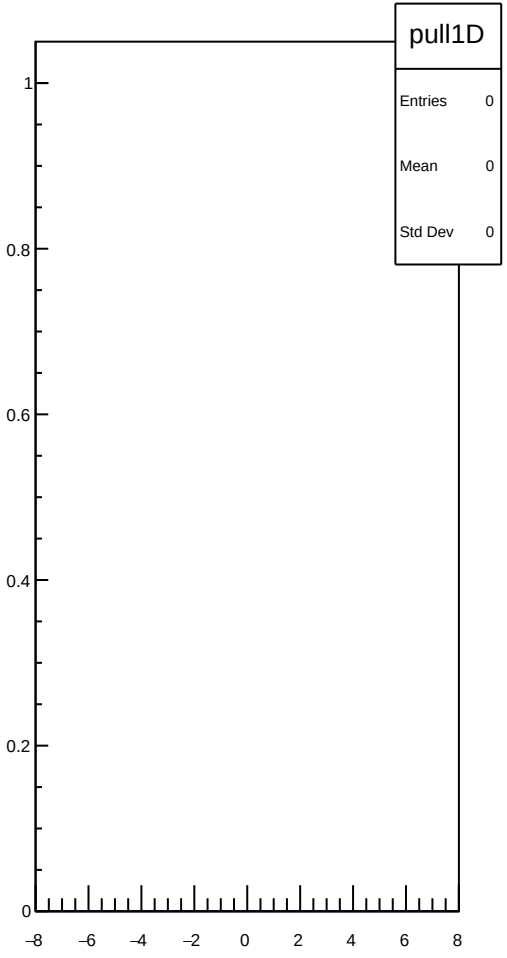

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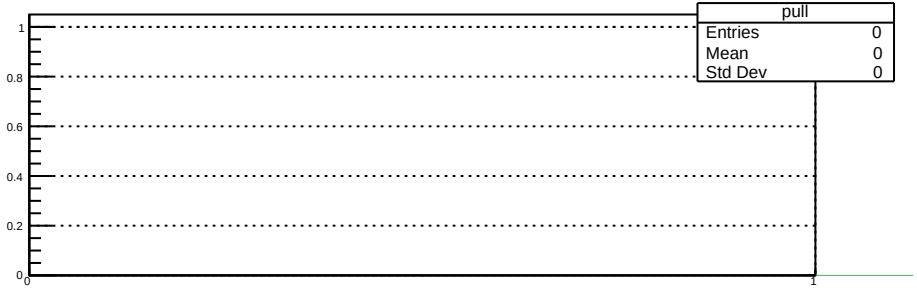

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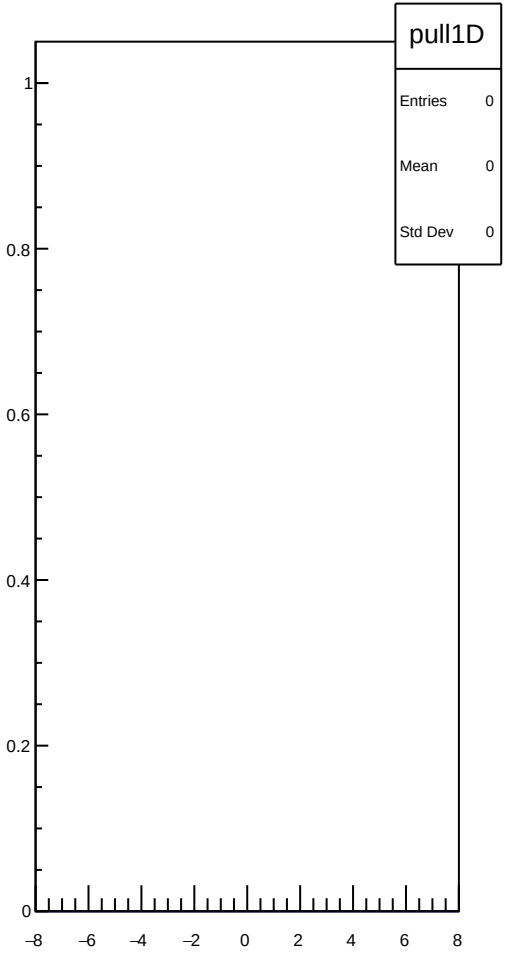

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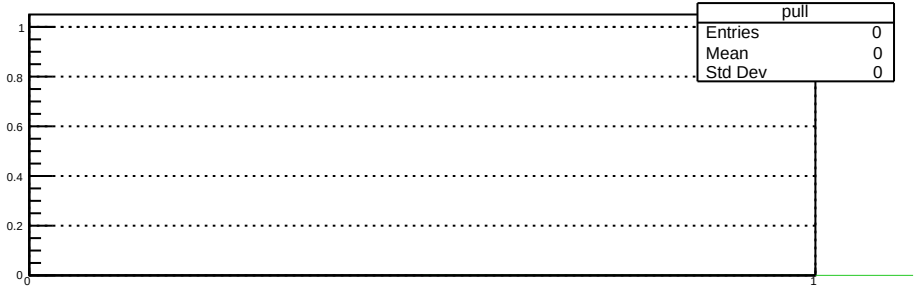

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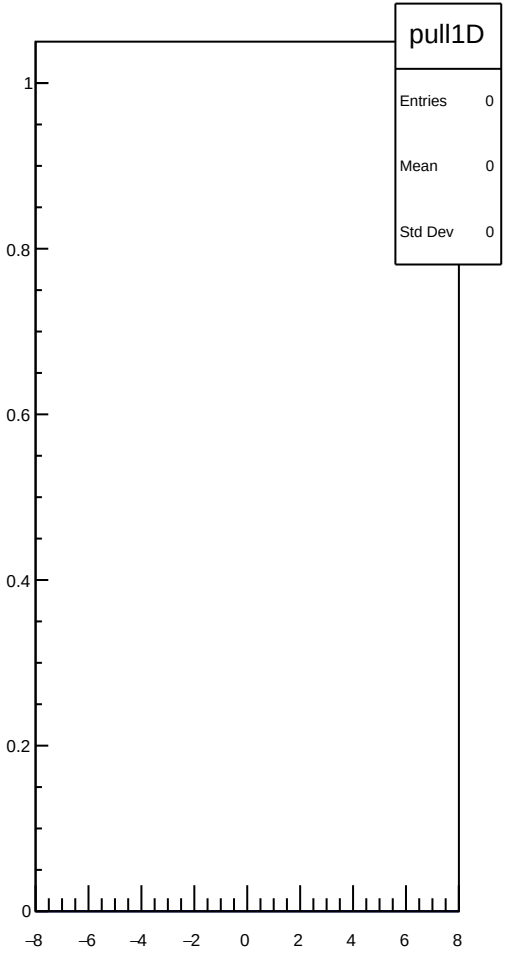

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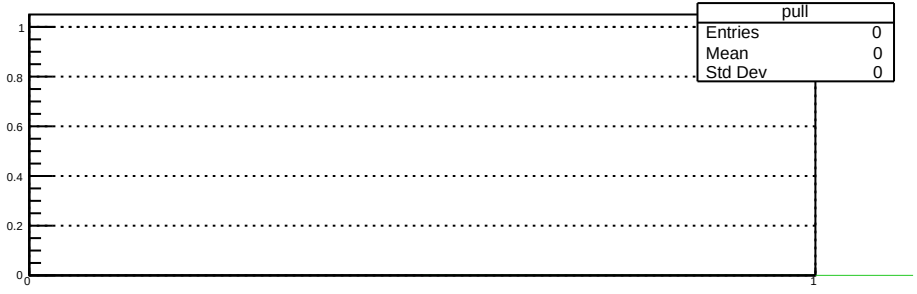

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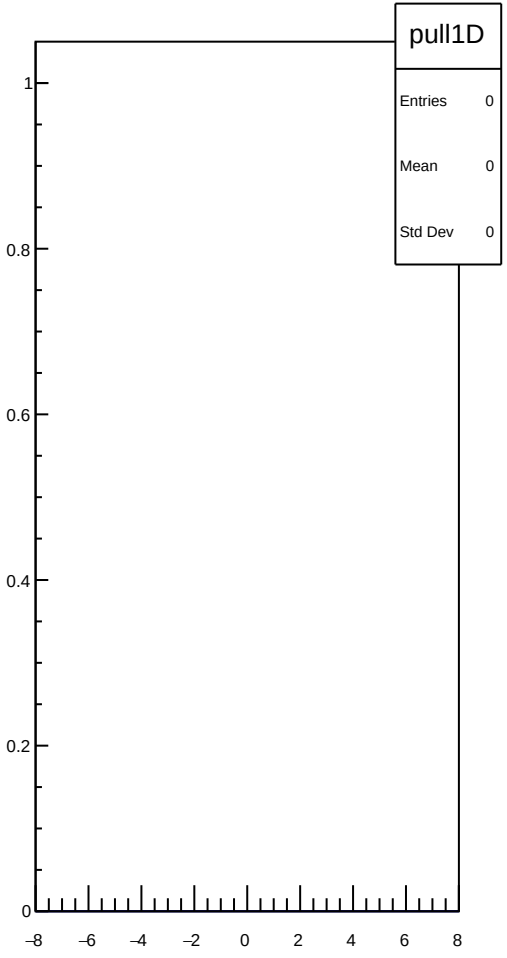

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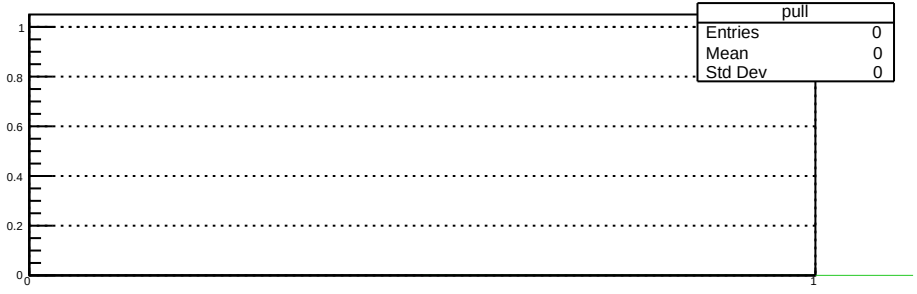

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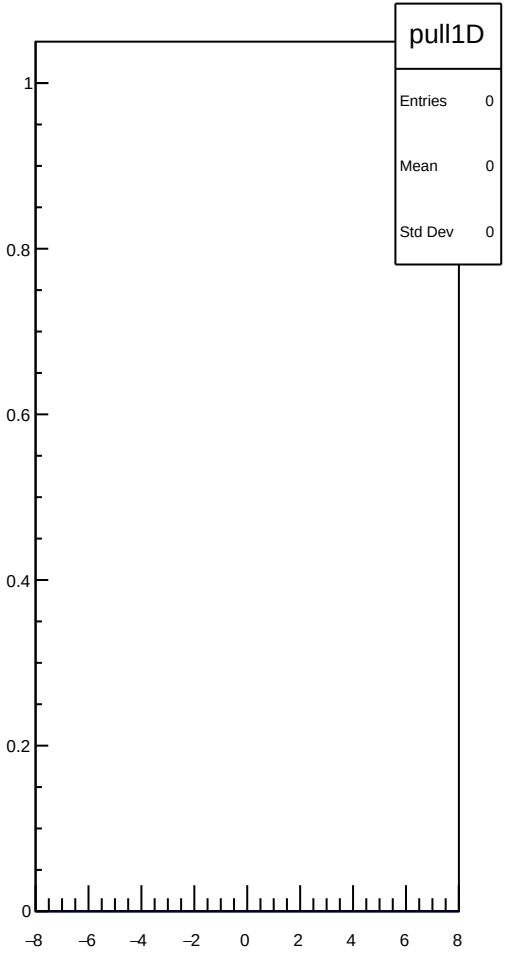

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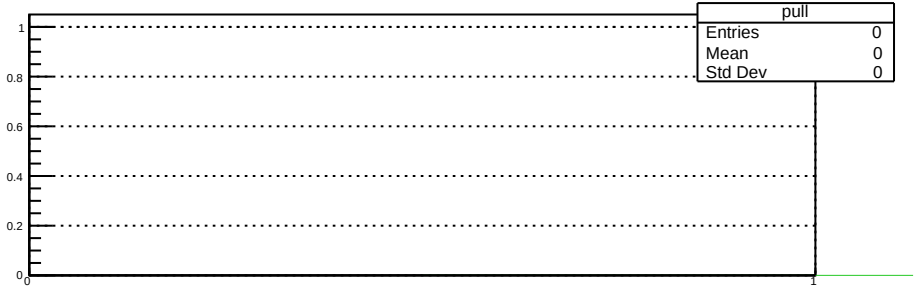

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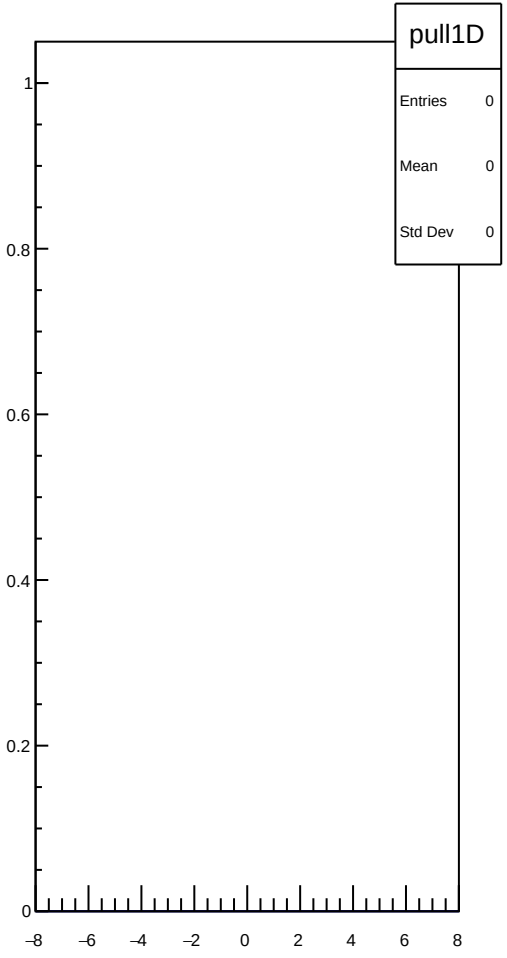

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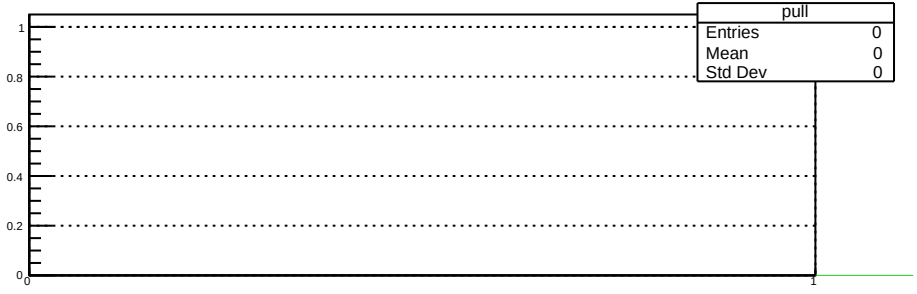

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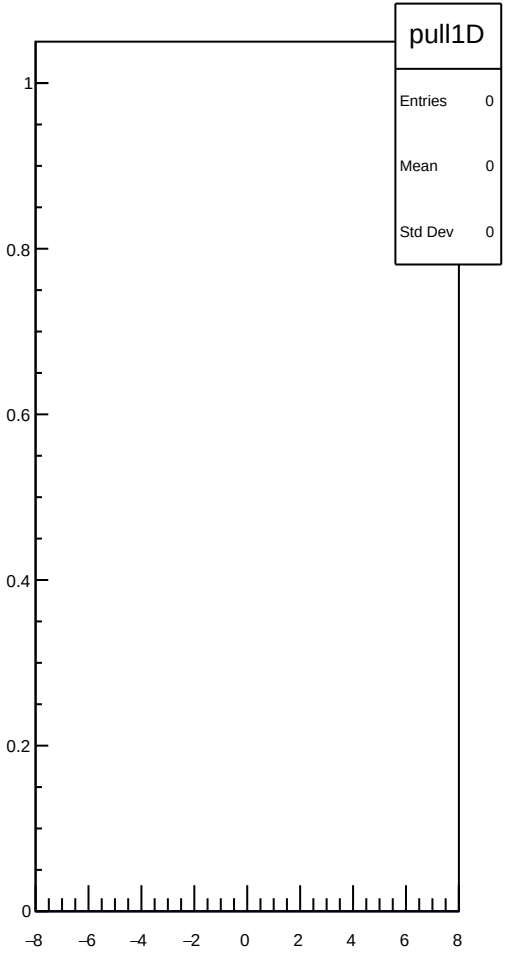

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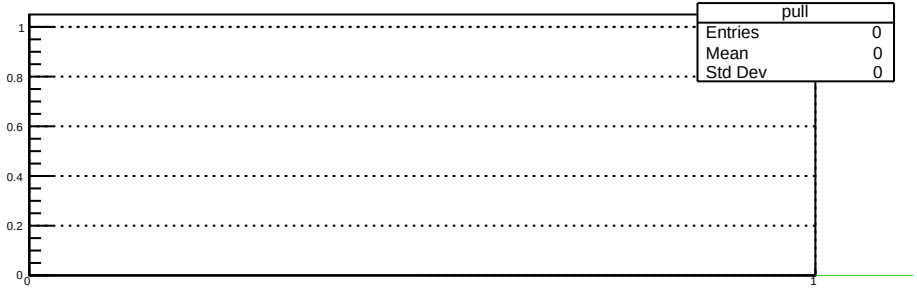

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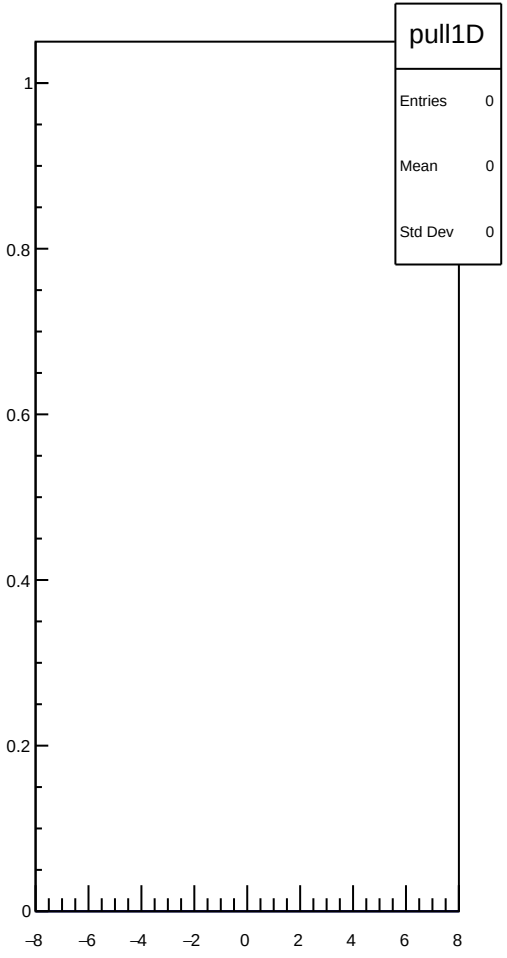

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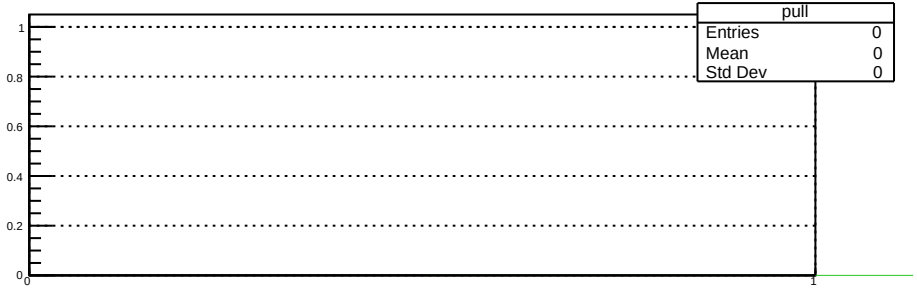

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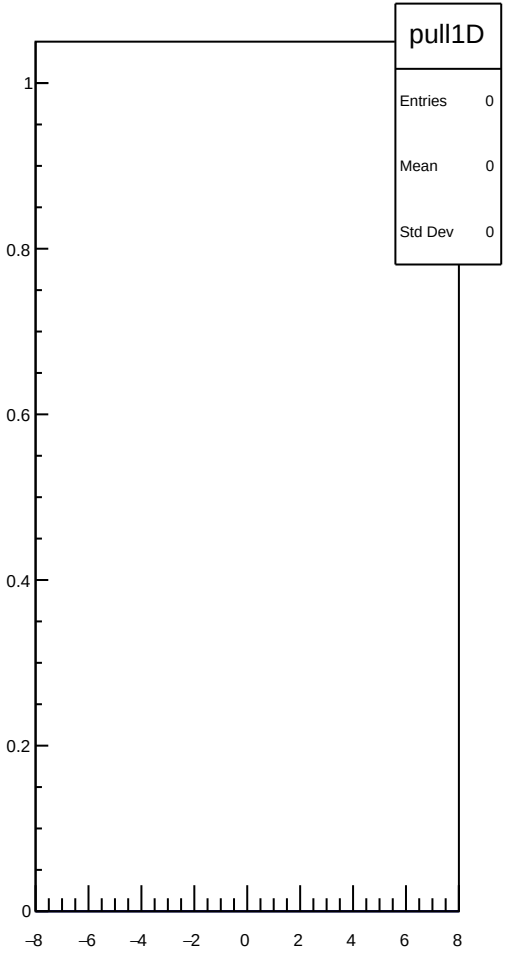

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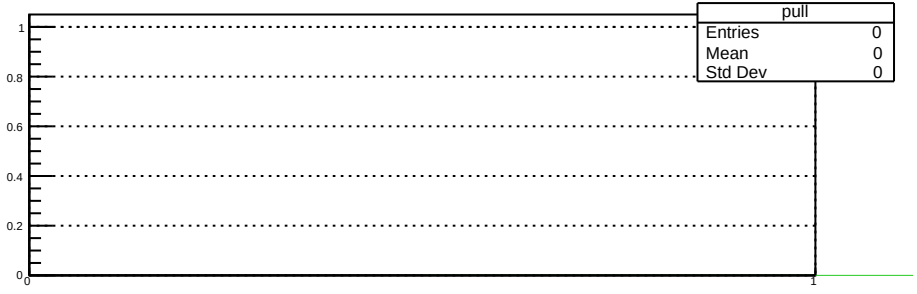

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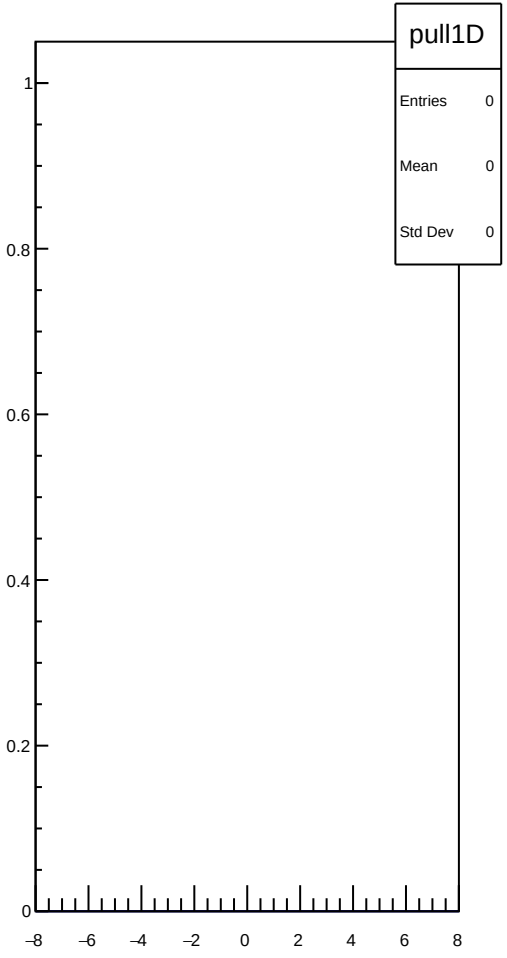

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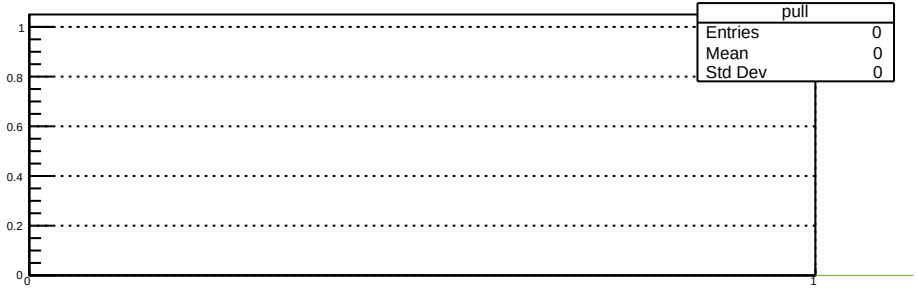

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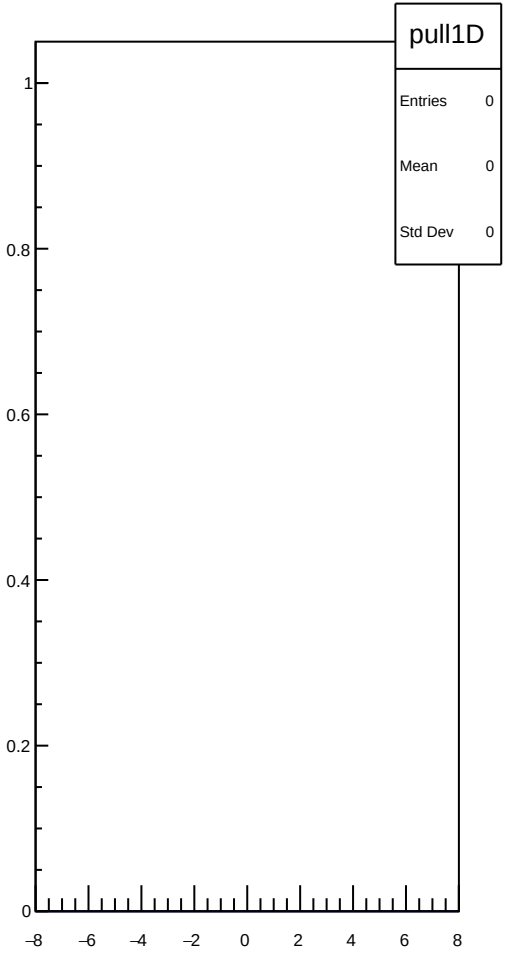

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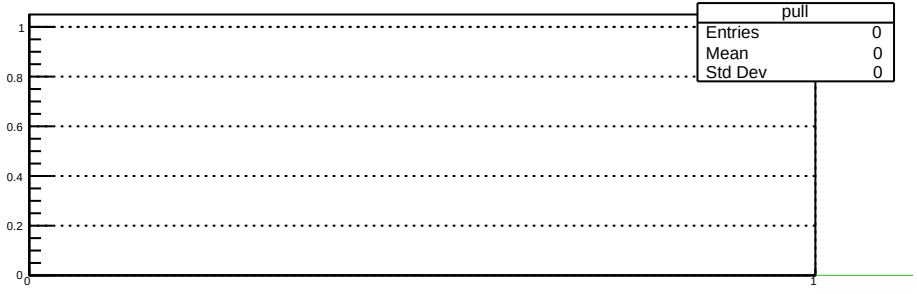

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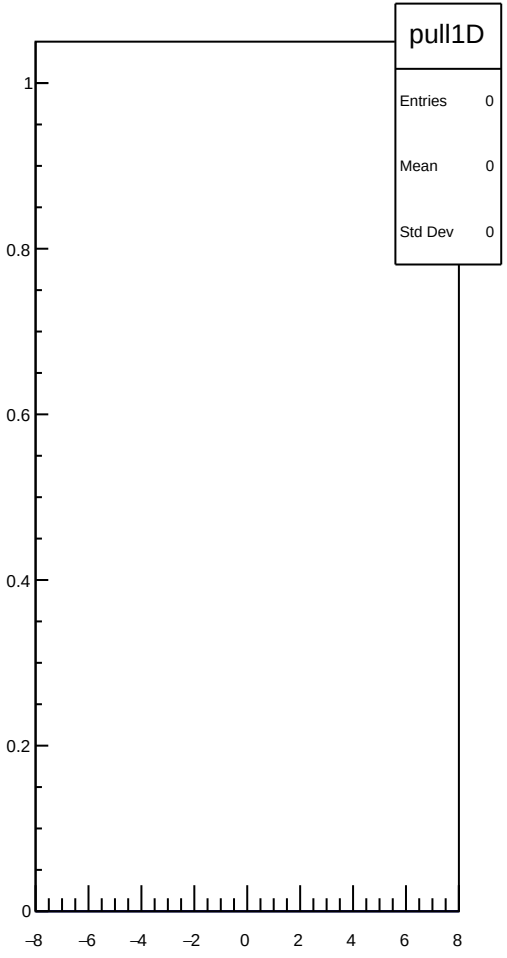

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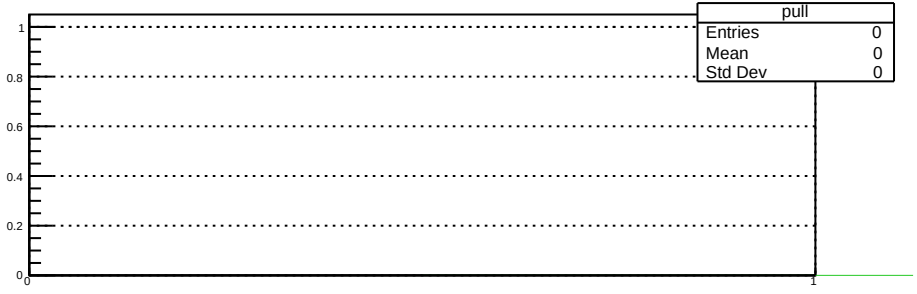

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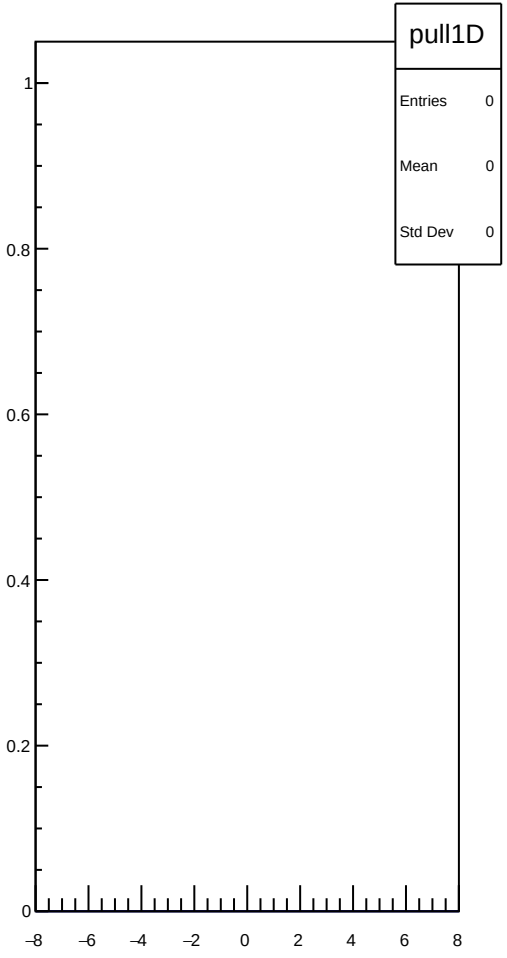

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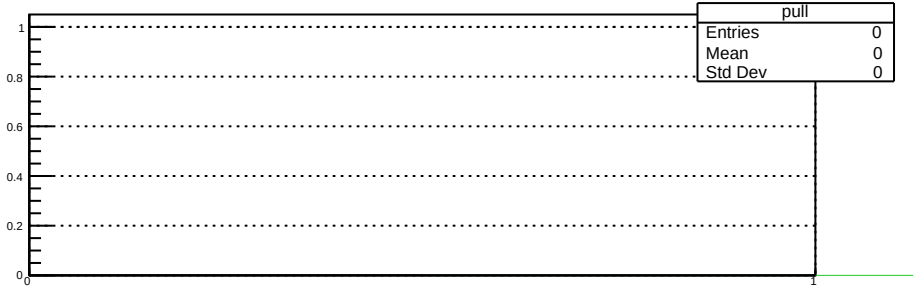

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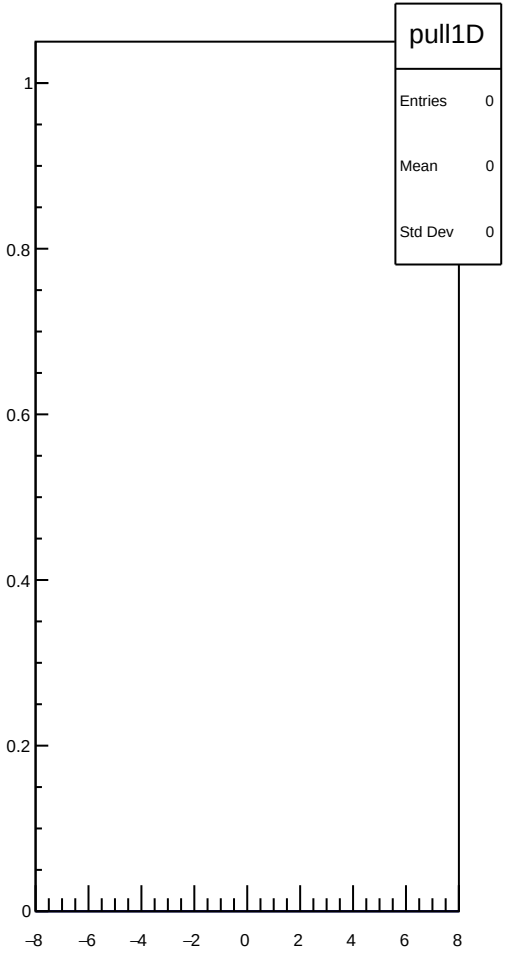

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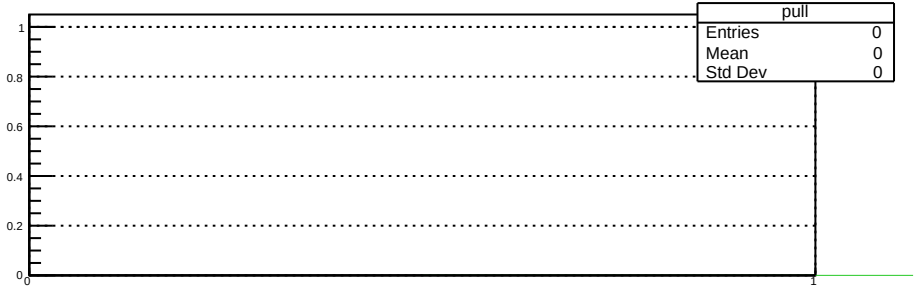

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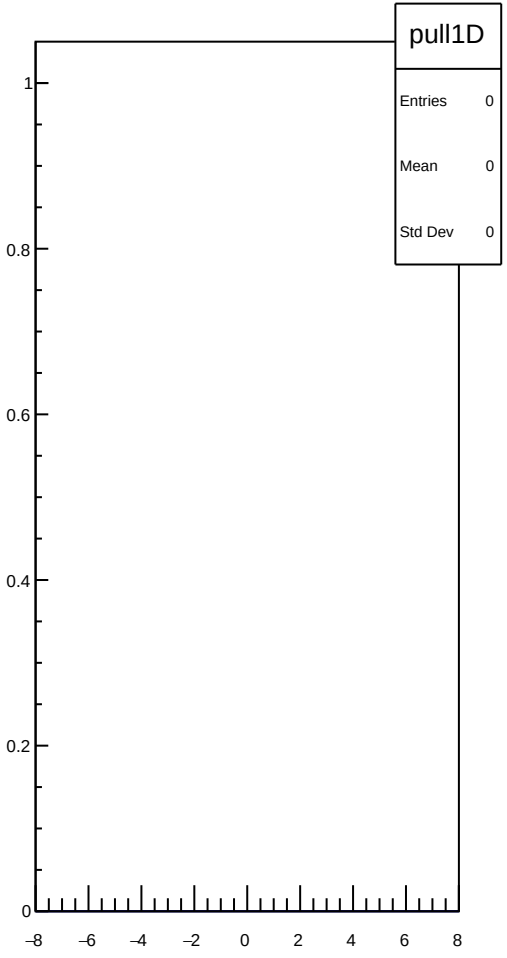

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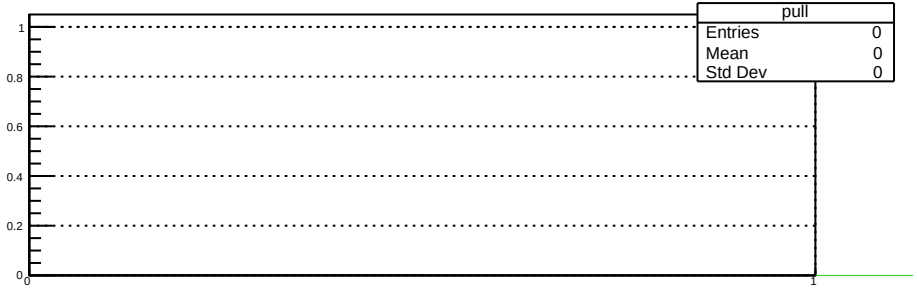

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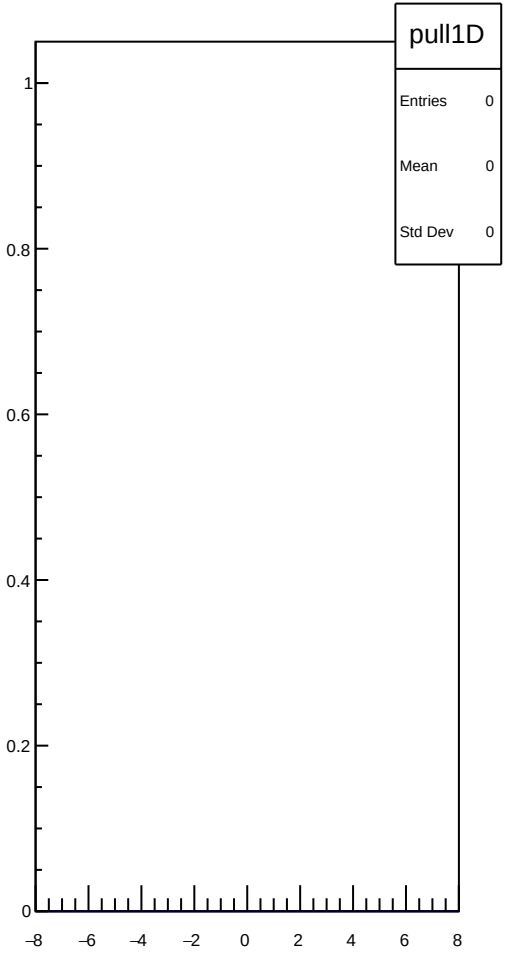

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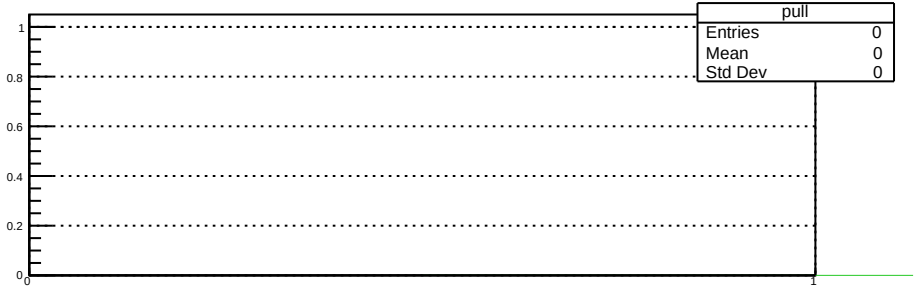

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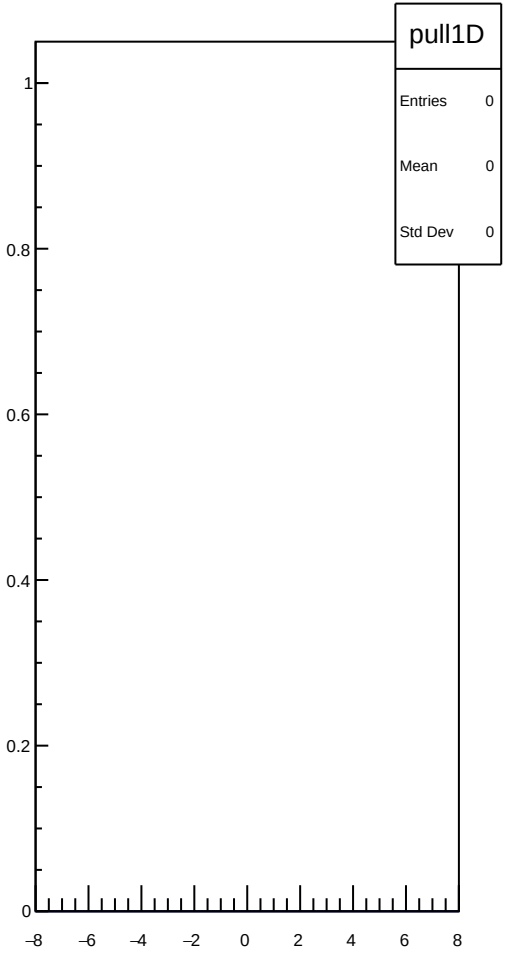

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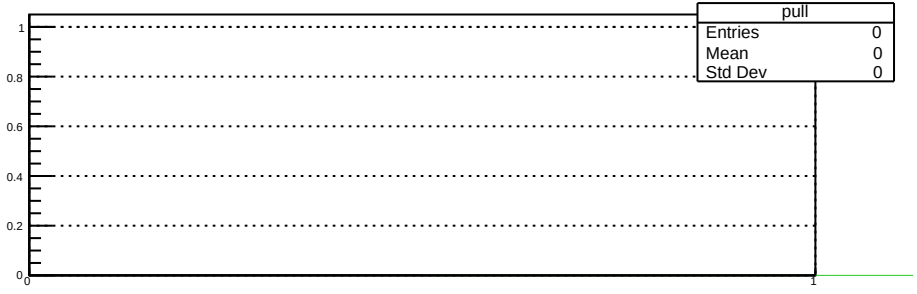

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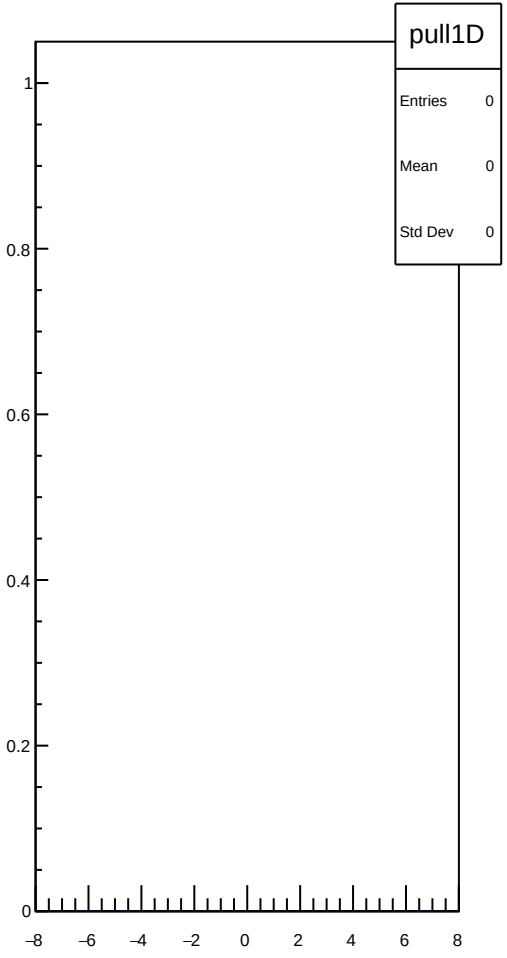

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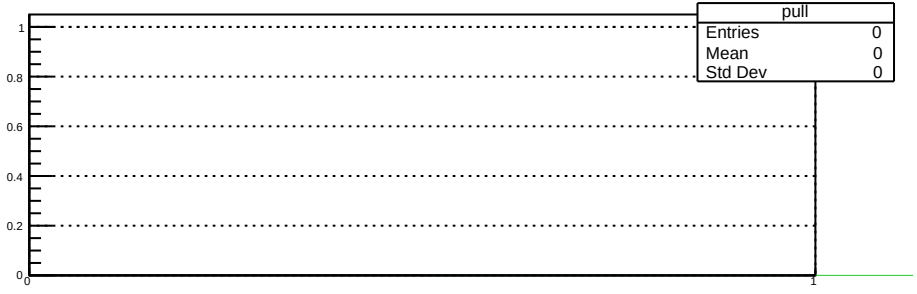

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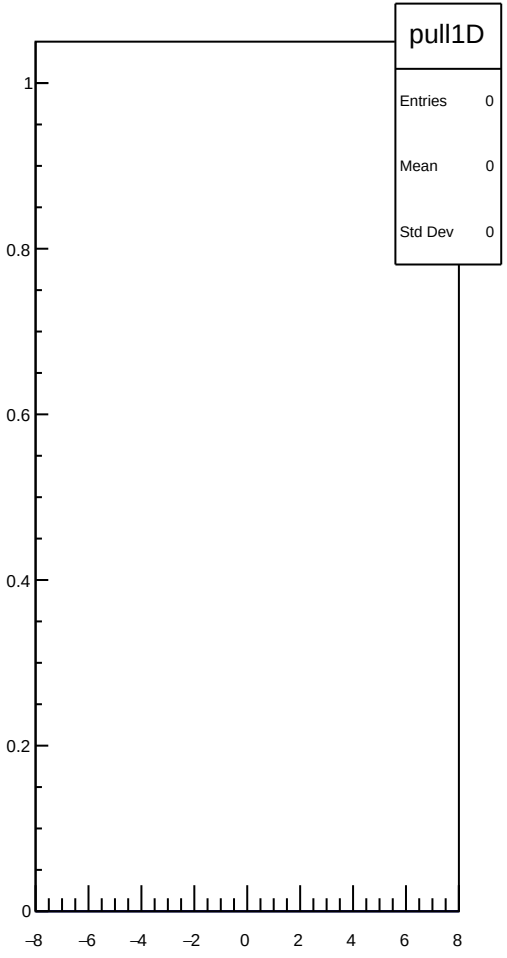

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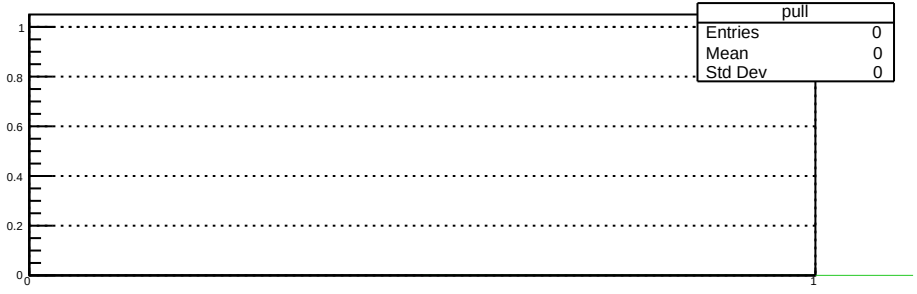

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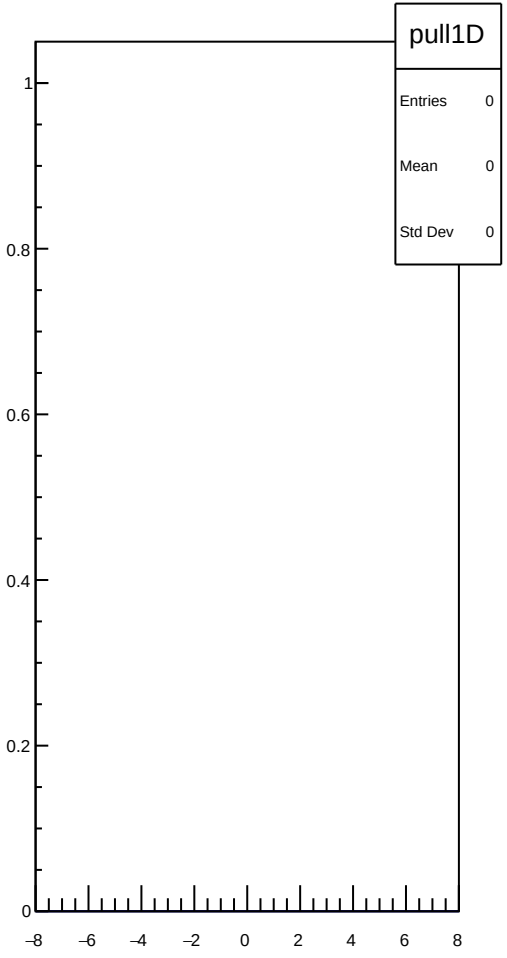

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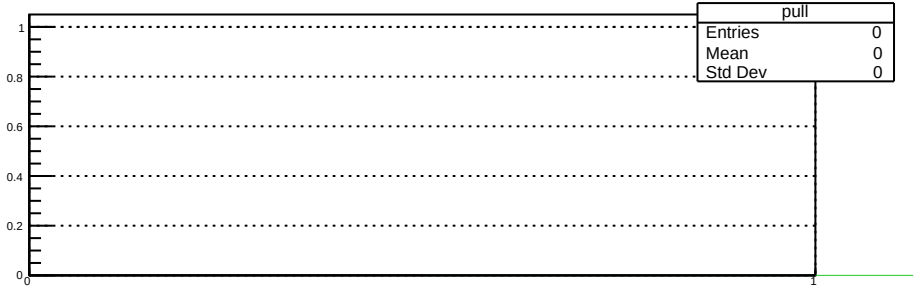

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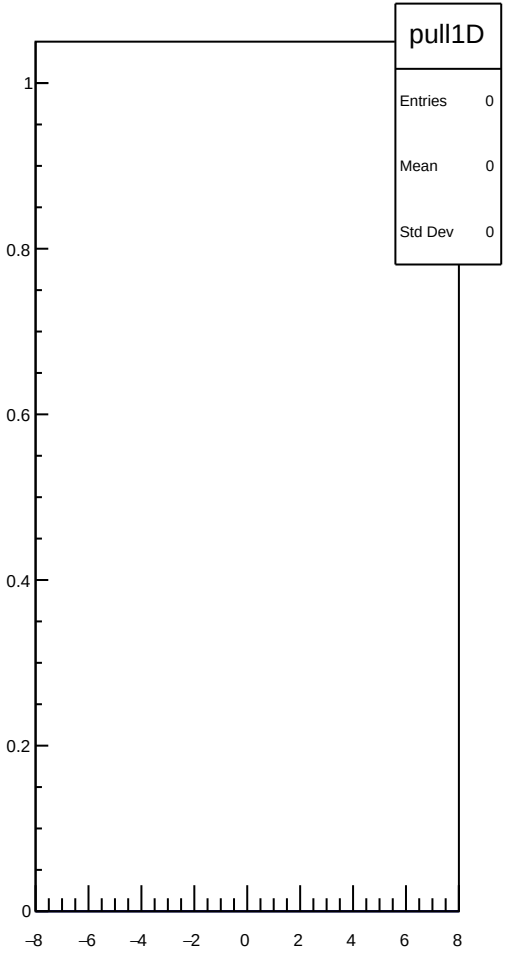

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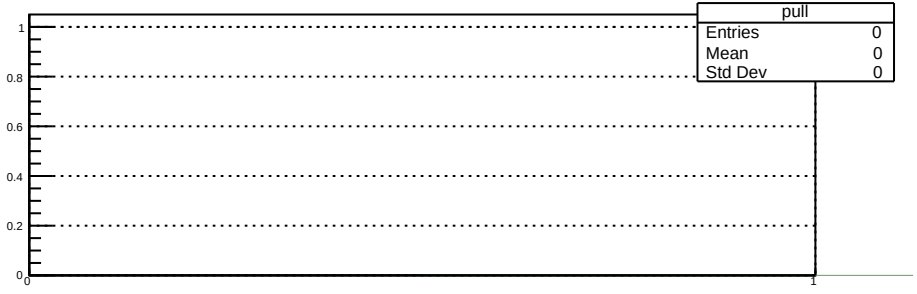

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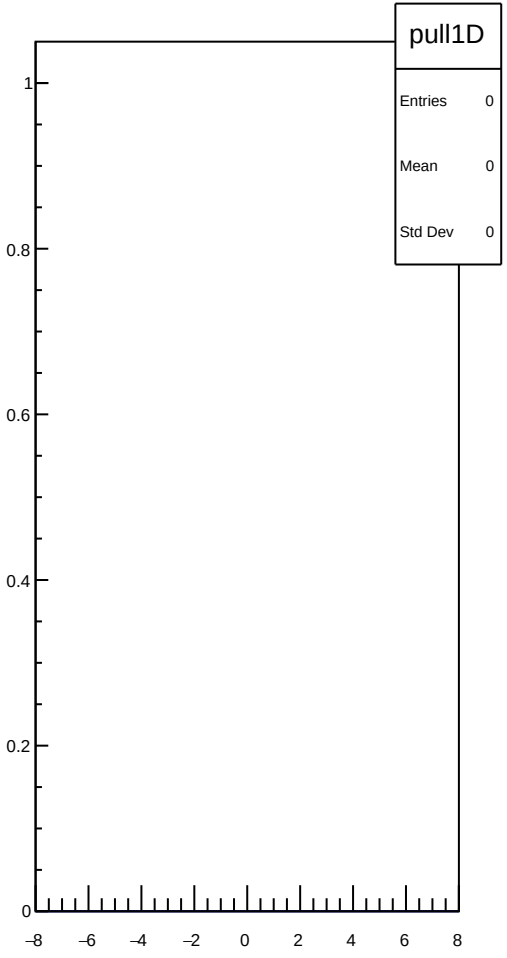

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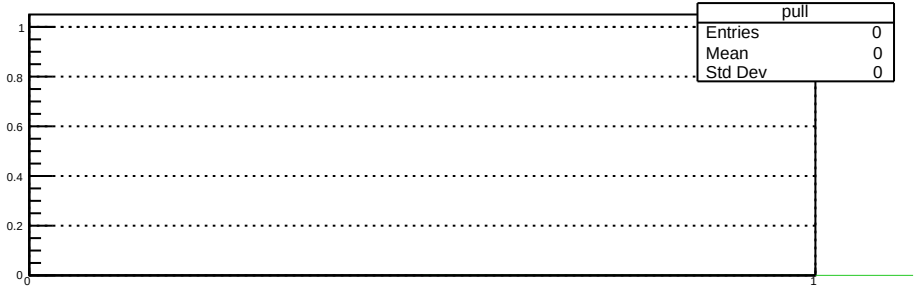

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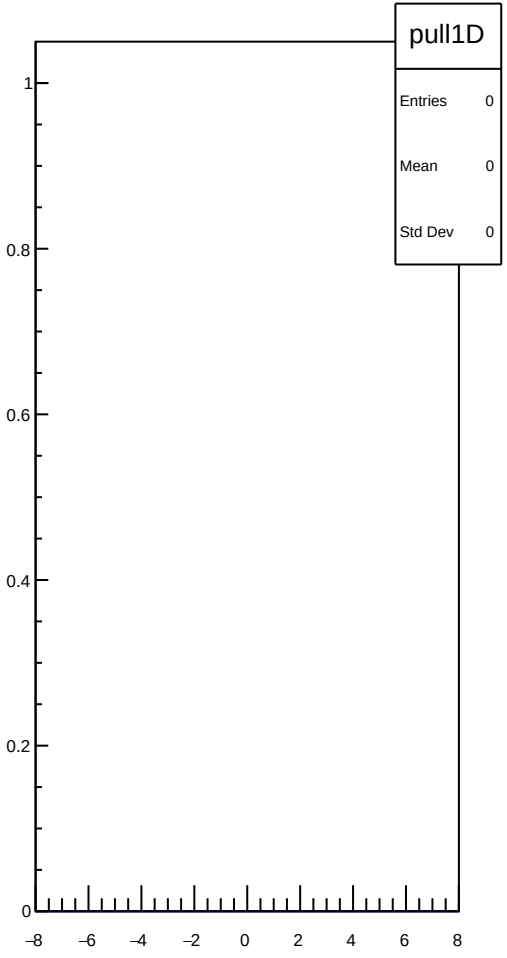

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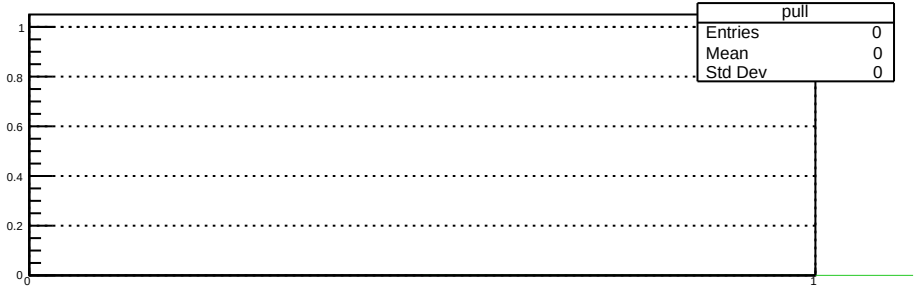

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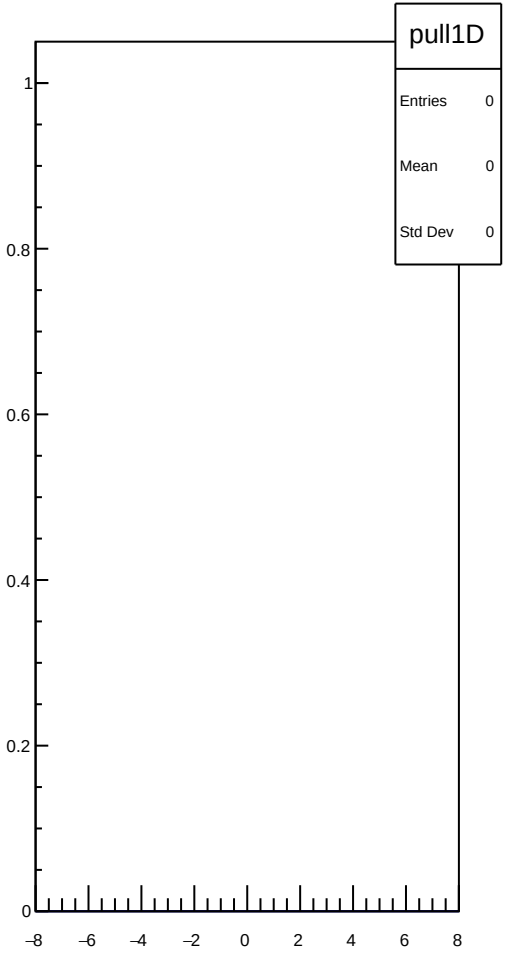

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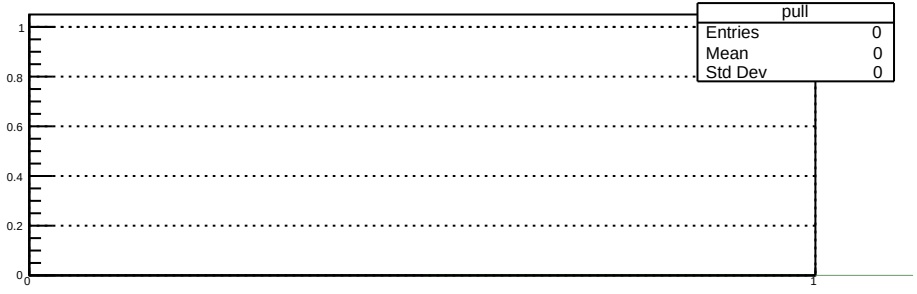

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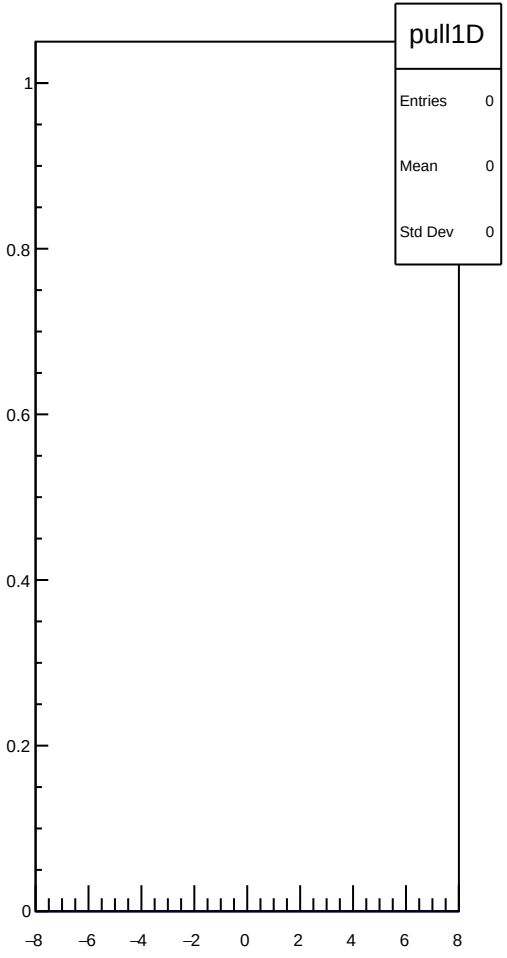

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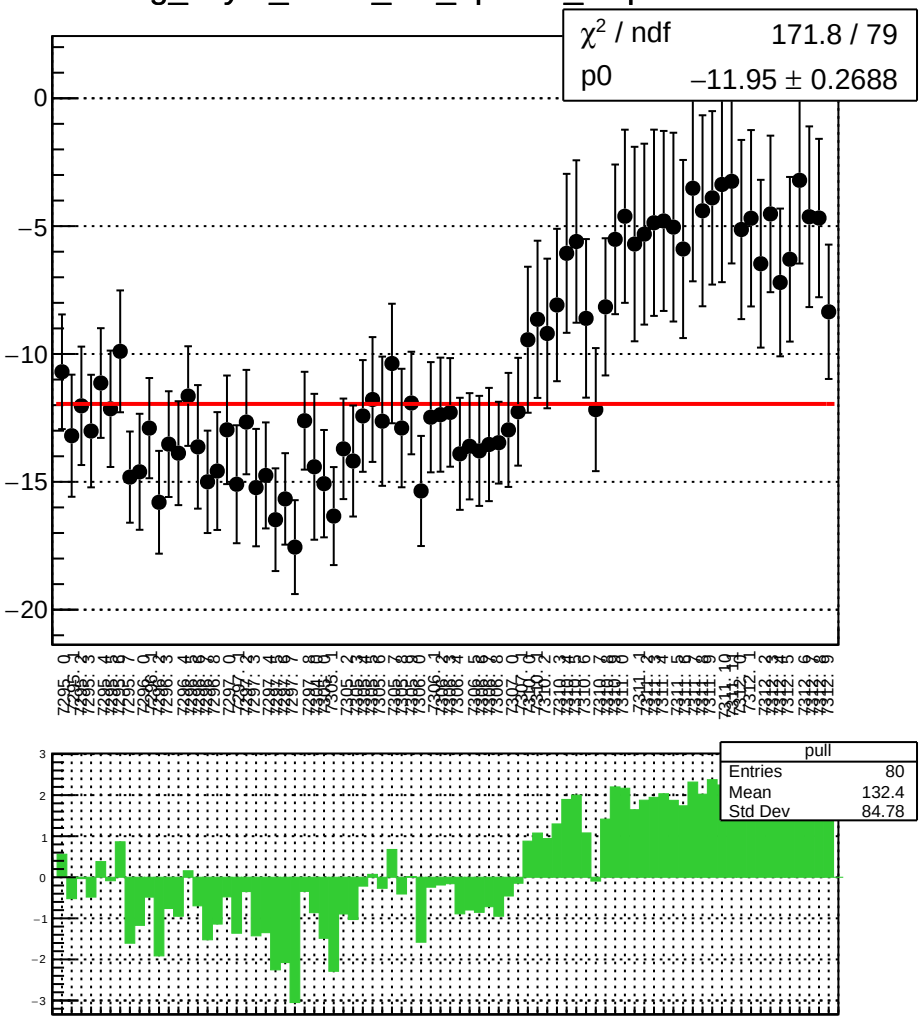

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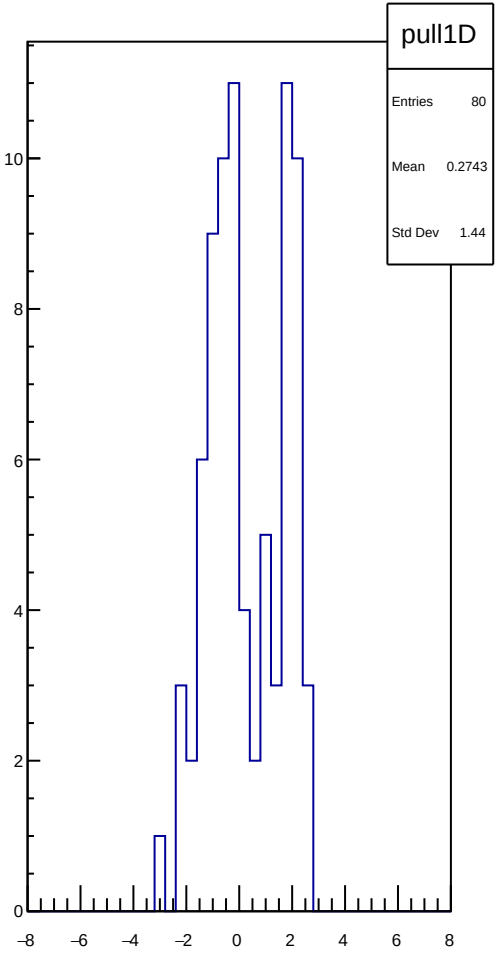

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

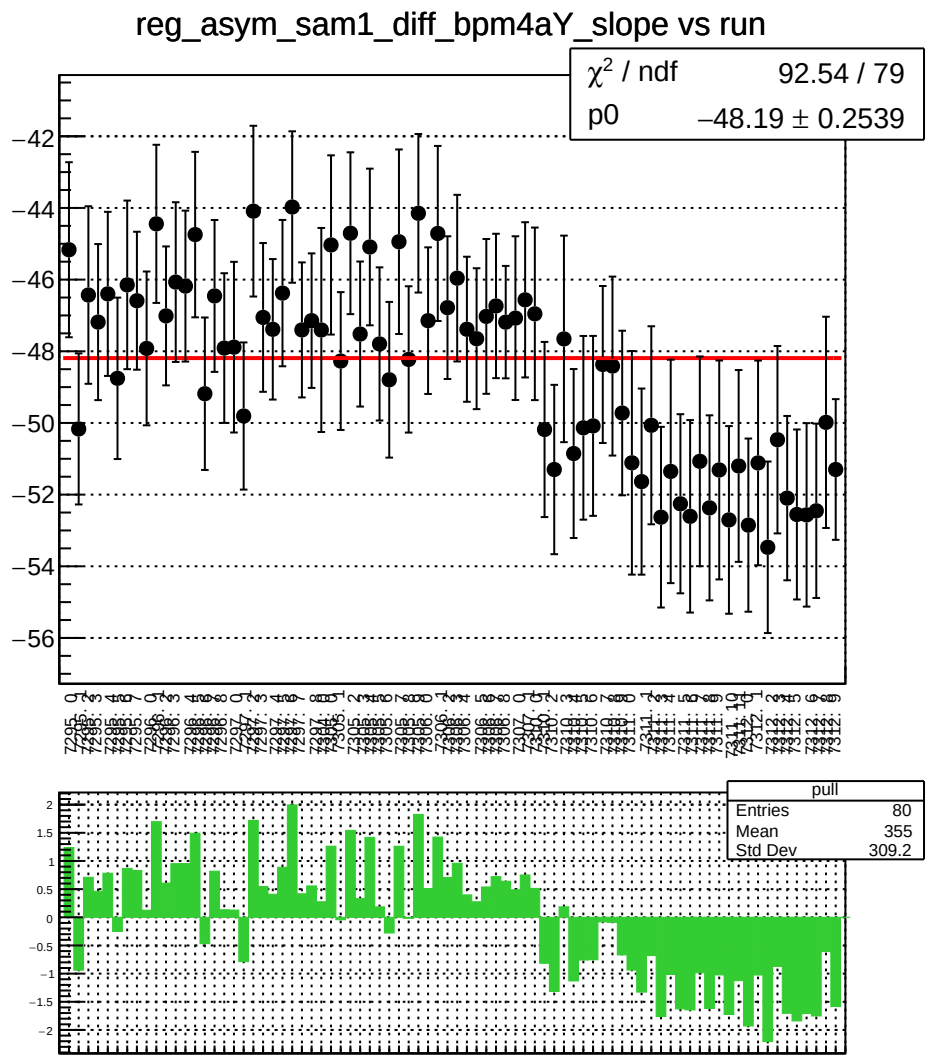

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

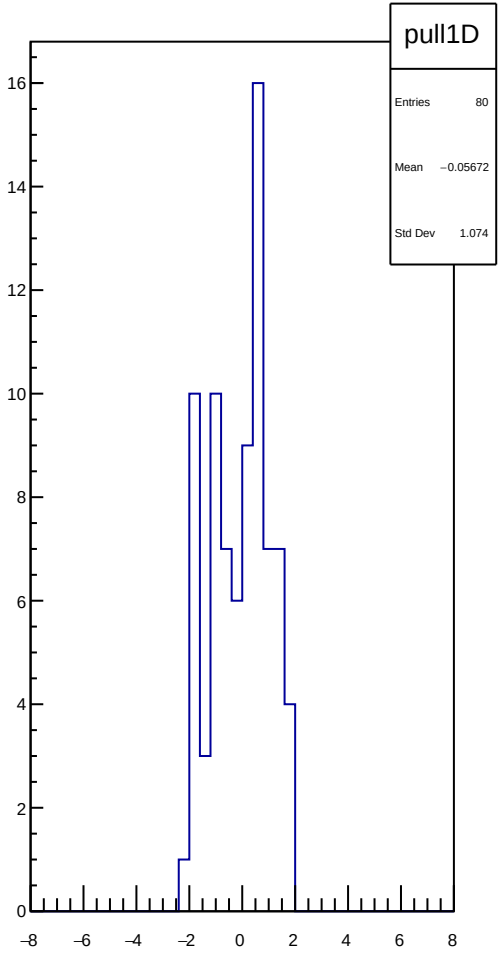

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

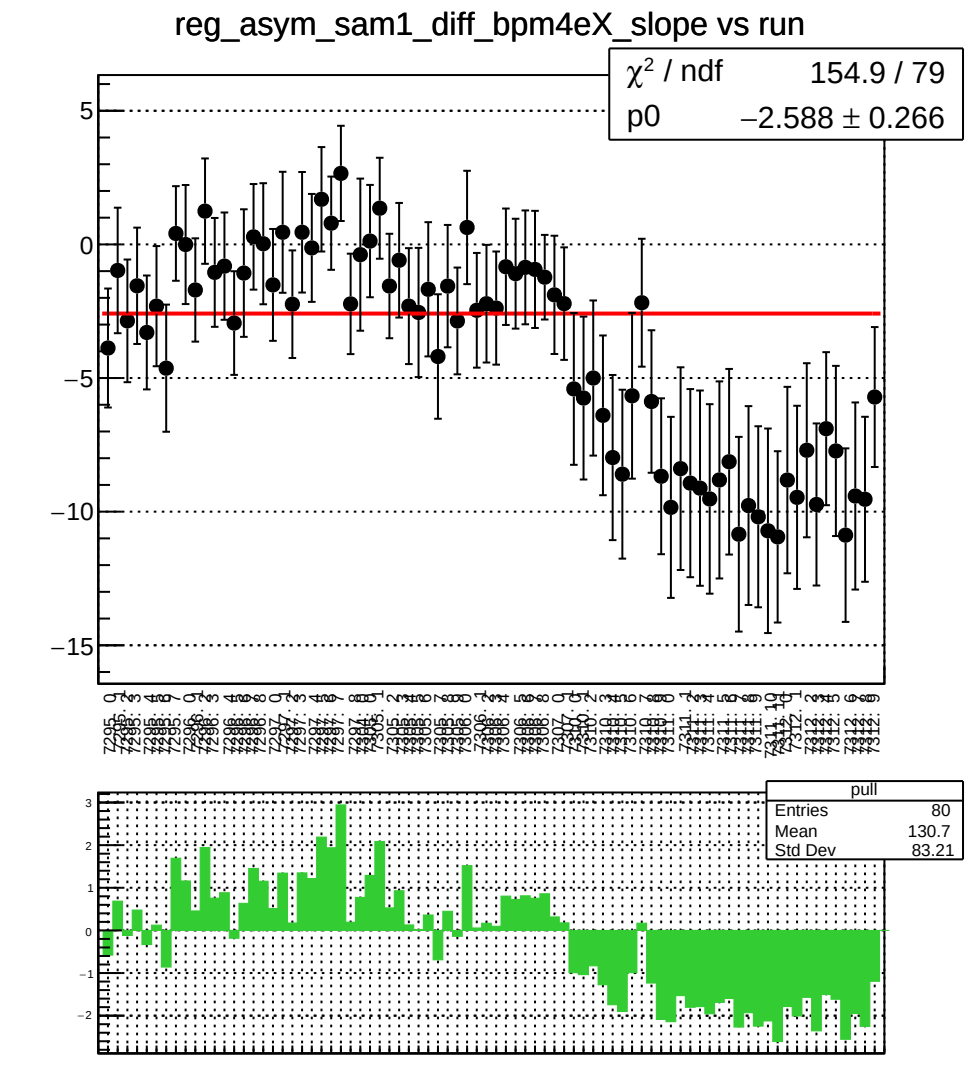

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

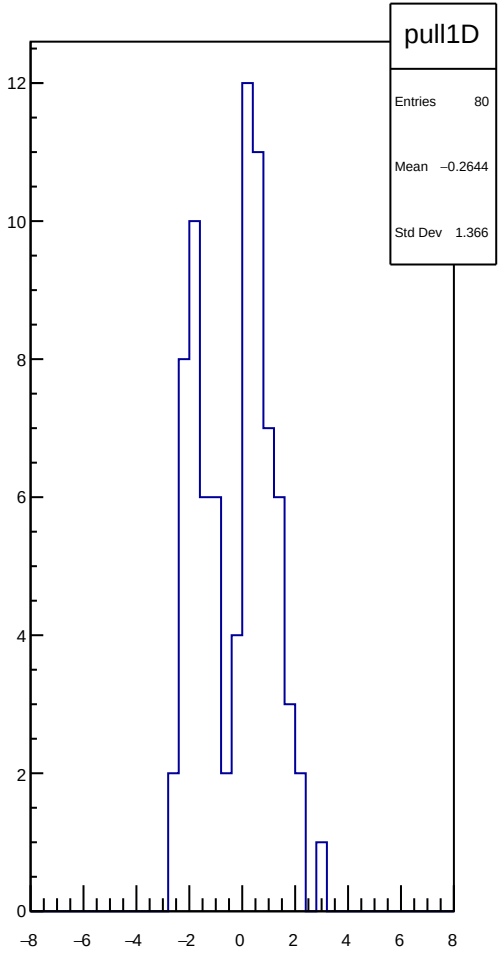

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 171.8 / 79
p0 −11.95 ± 0.2688
pull
Entries 80
Mean 132.4
Std Dev 84.78

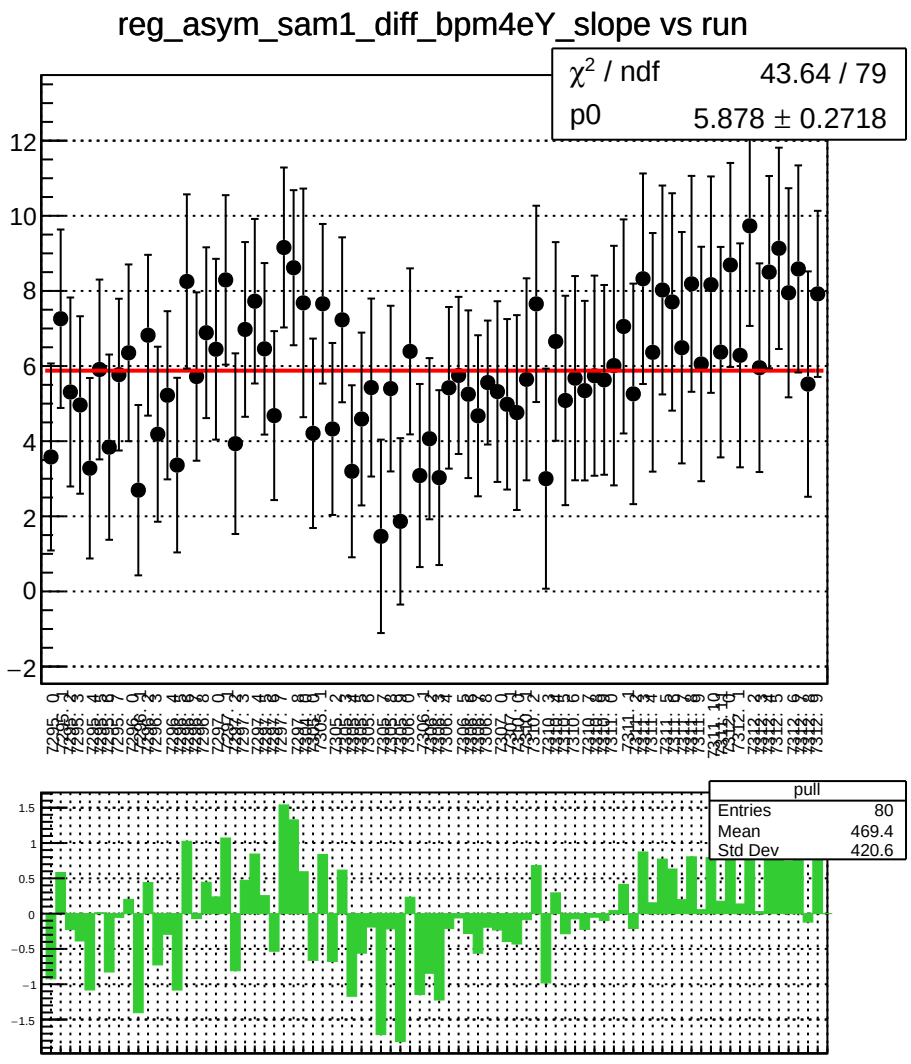

pull1D
Entries 80
Mean 0.2743
Std Dev 1.44

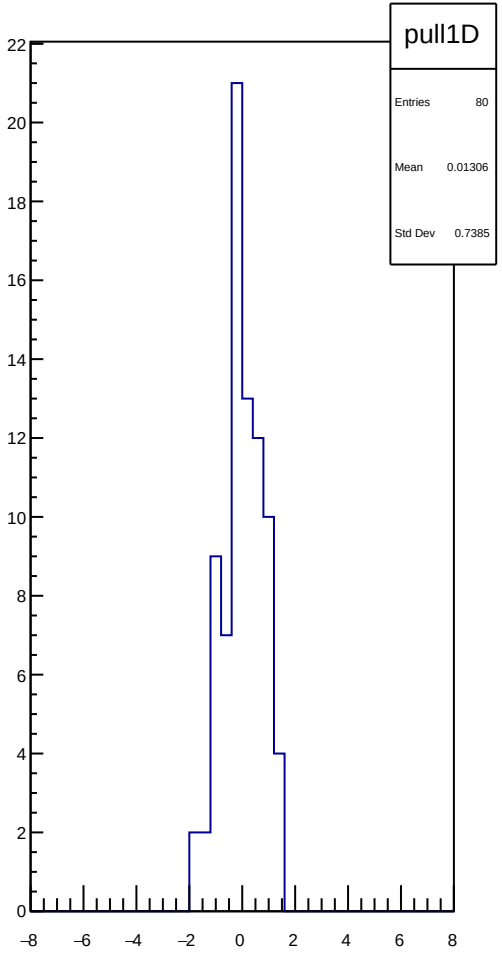

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 92.54 / 79
p0 −48.19 ± 0.2539
pull
Entries 80
Mean 355
Std Dev 309.2

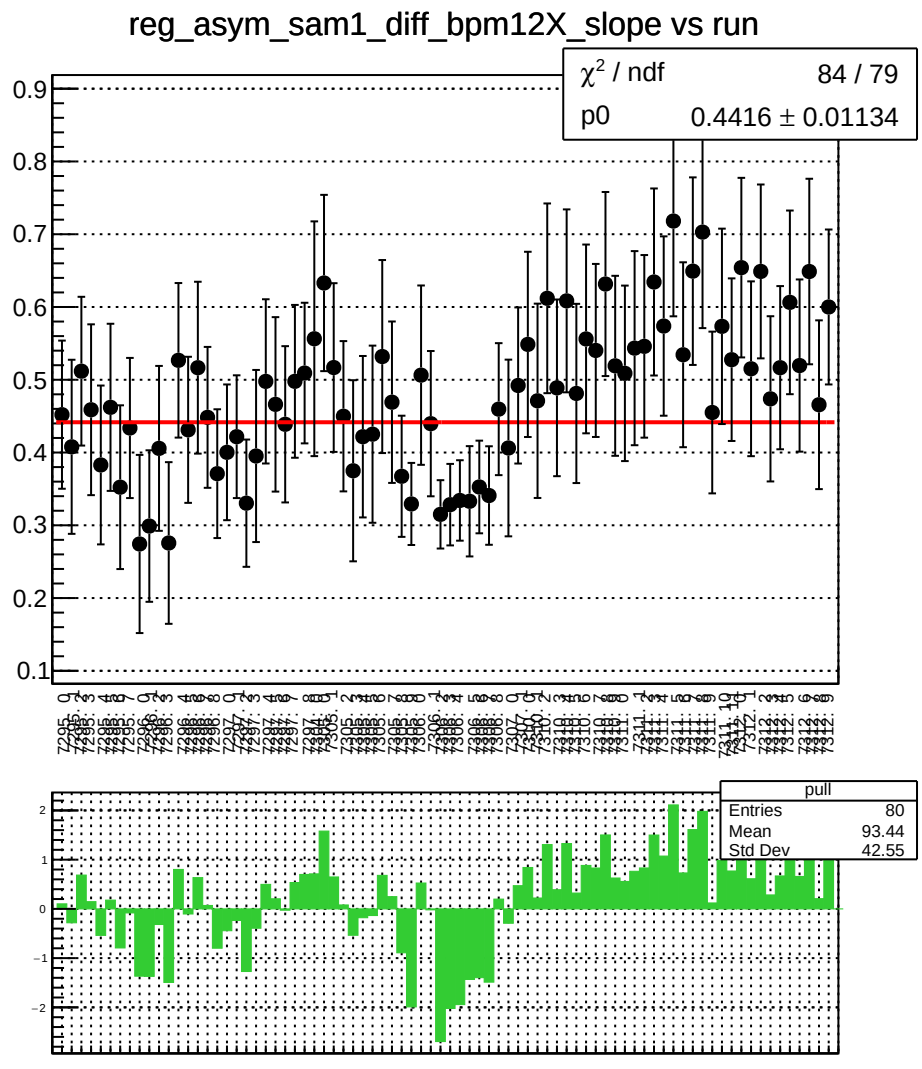

pull1D
Entries 80
Mean −0.05672
Std Dev 1.074

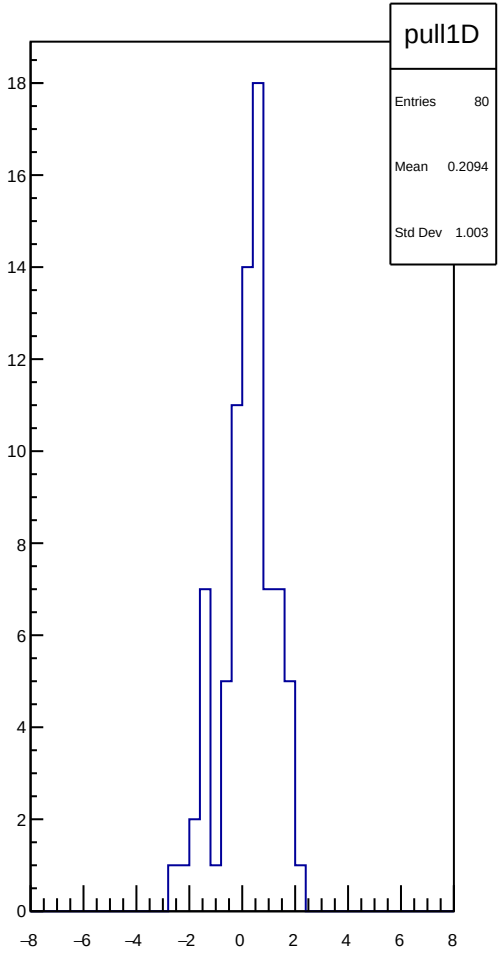

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 154.9 / 79
p0 −2.588 ± 0.266
pull
Entries 80
Mean 130.7
Std Dev 83.21

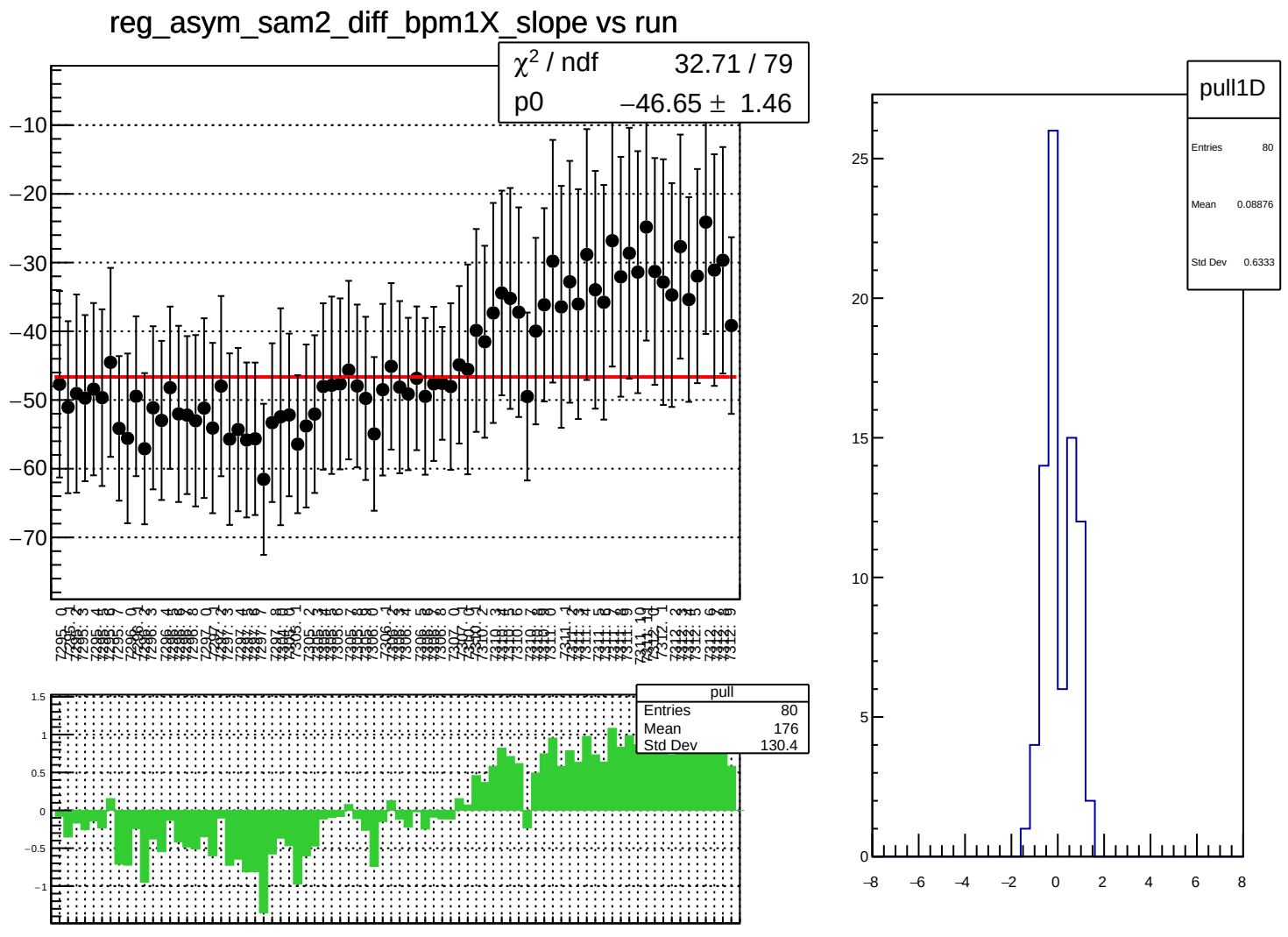

pull1D
Entries 80
Mean −0.2644
Std Dev 1.366

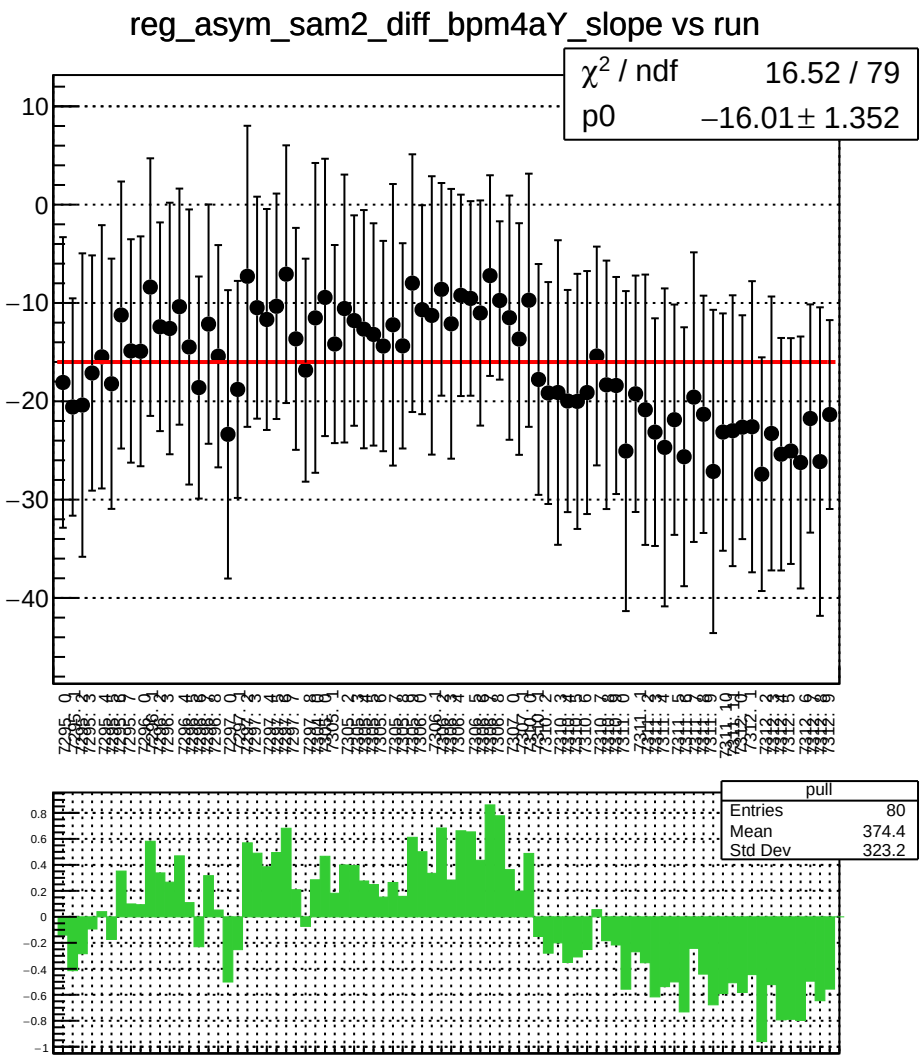

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 43.64 / 79
p0 5.878 ± 0.2718
pull
Entries 80
Mean 469.4
Std Dev 420.6

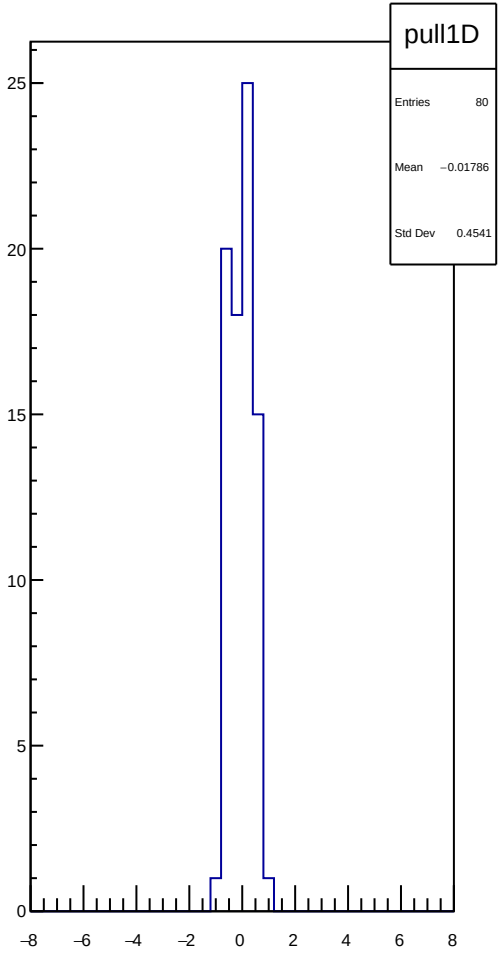

pull1D
Entries 80
Mean 0.01306
Std Dev 0.7385

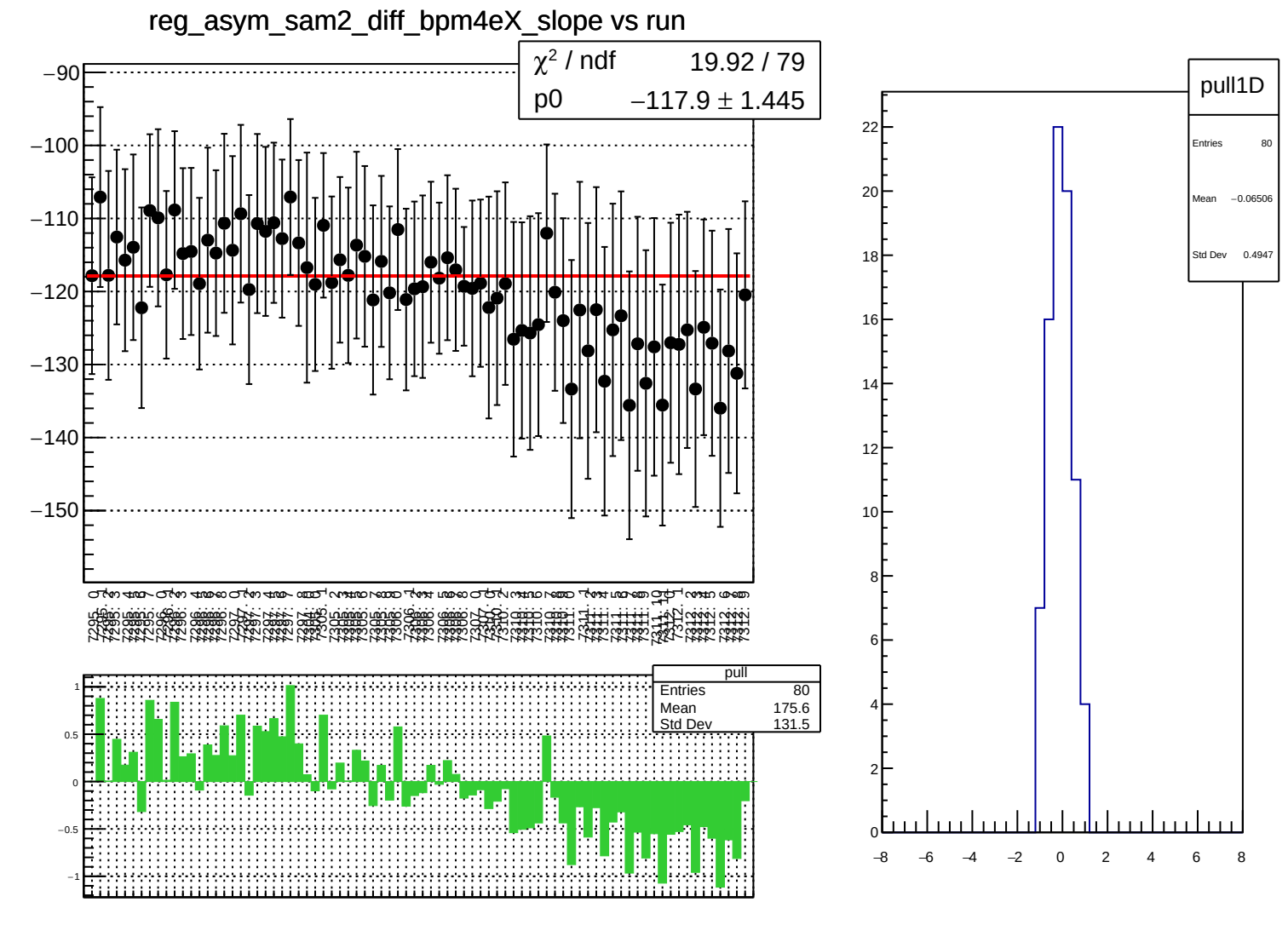

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 84 / 79
p0 0.4416 ± 0.01134
pull
Entries 80
Mean 93.44
Std Dev 42.55

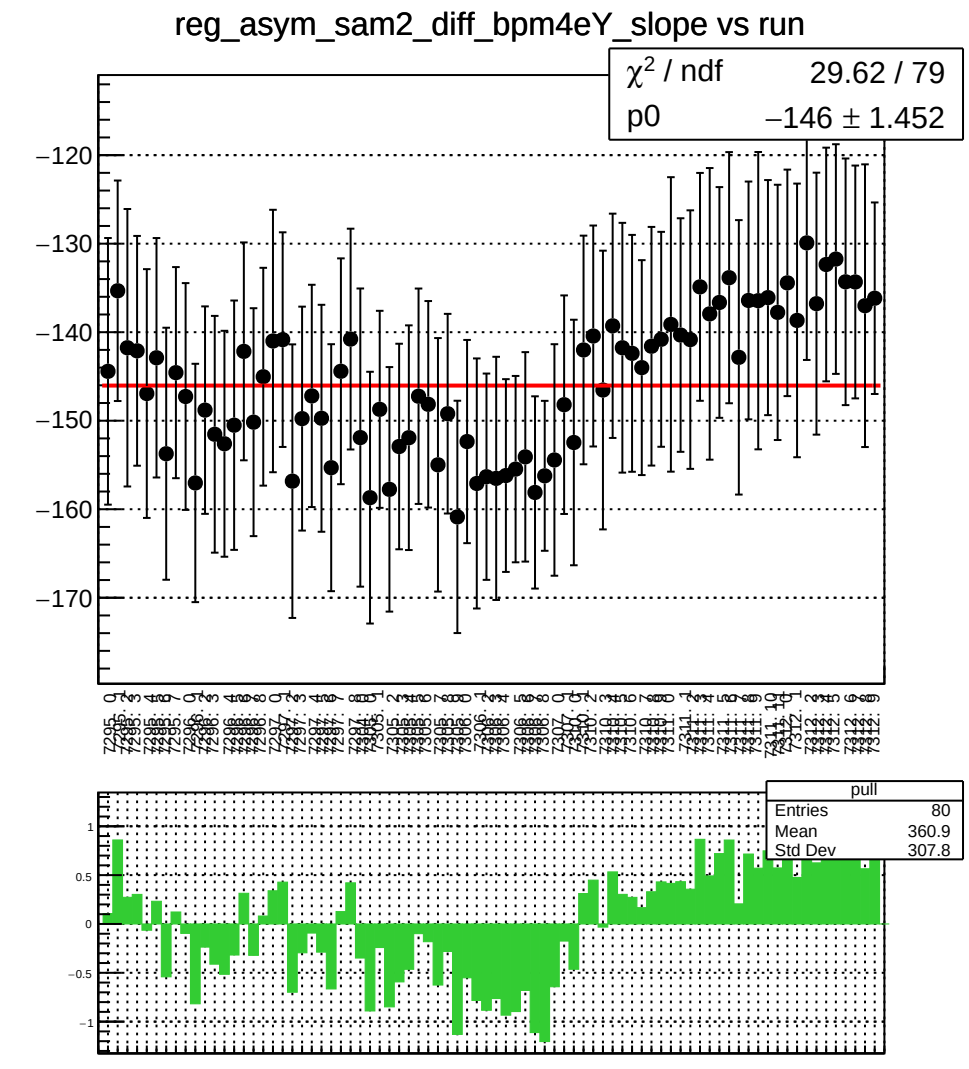

pull1D
Entries 80
Mean 0.2094
Std Dev 1.003

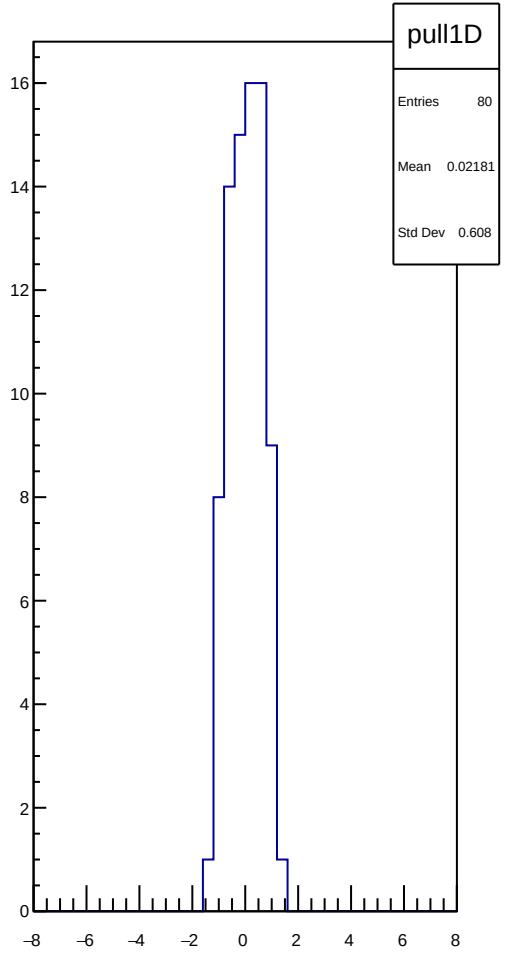

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 32.71 / 79
p0 −46.65 ± 1.46
pull
Entries 80
Mean 176
Std Dev 130.4
pull1D
Entries 80
Mean 0.08876
Std Dev 0.6333

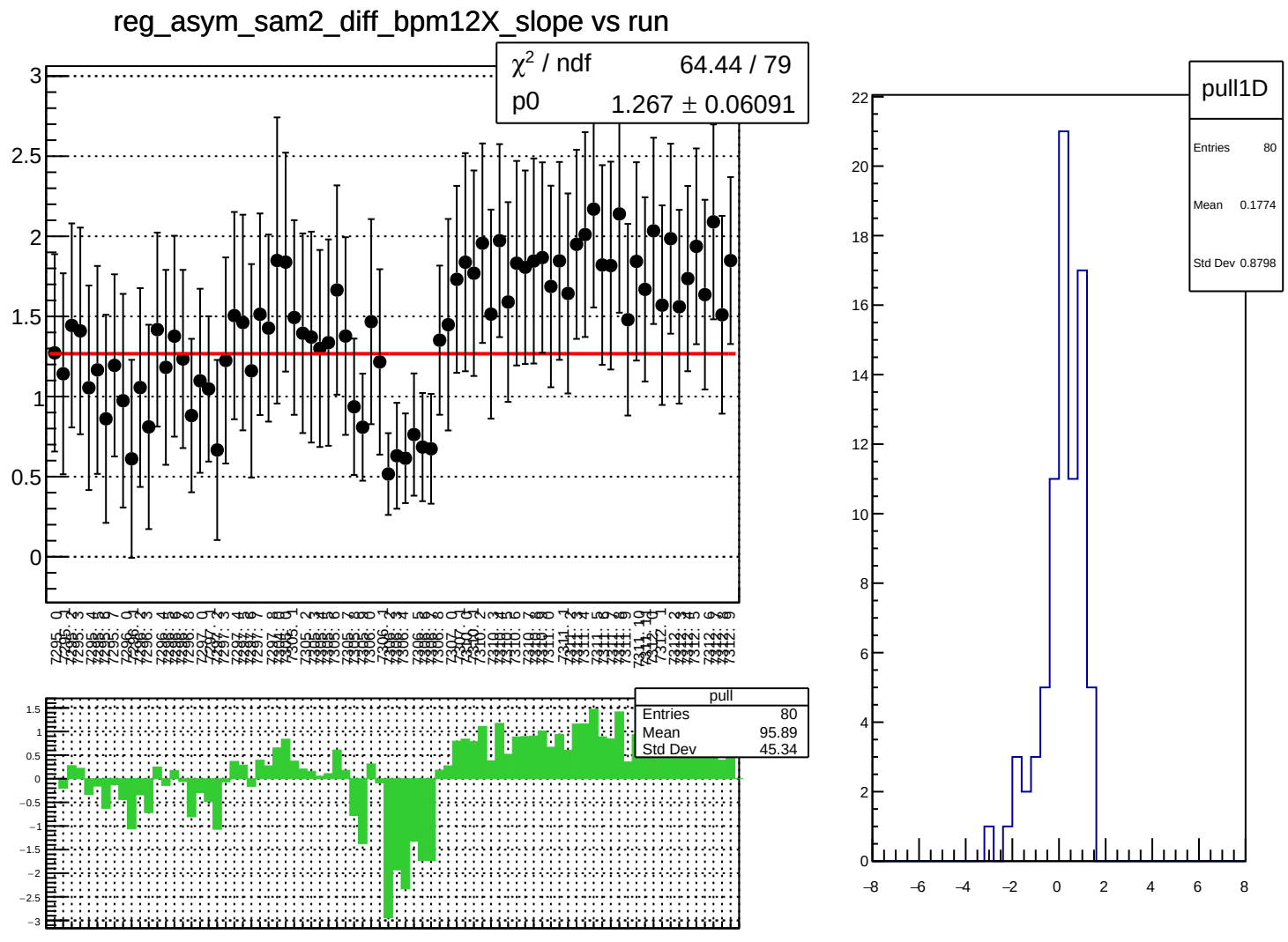

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 16.52 / 79
p0 −16.01± 1.352
pull
Entries 80
Mean 374.4
Std Dev 323.2

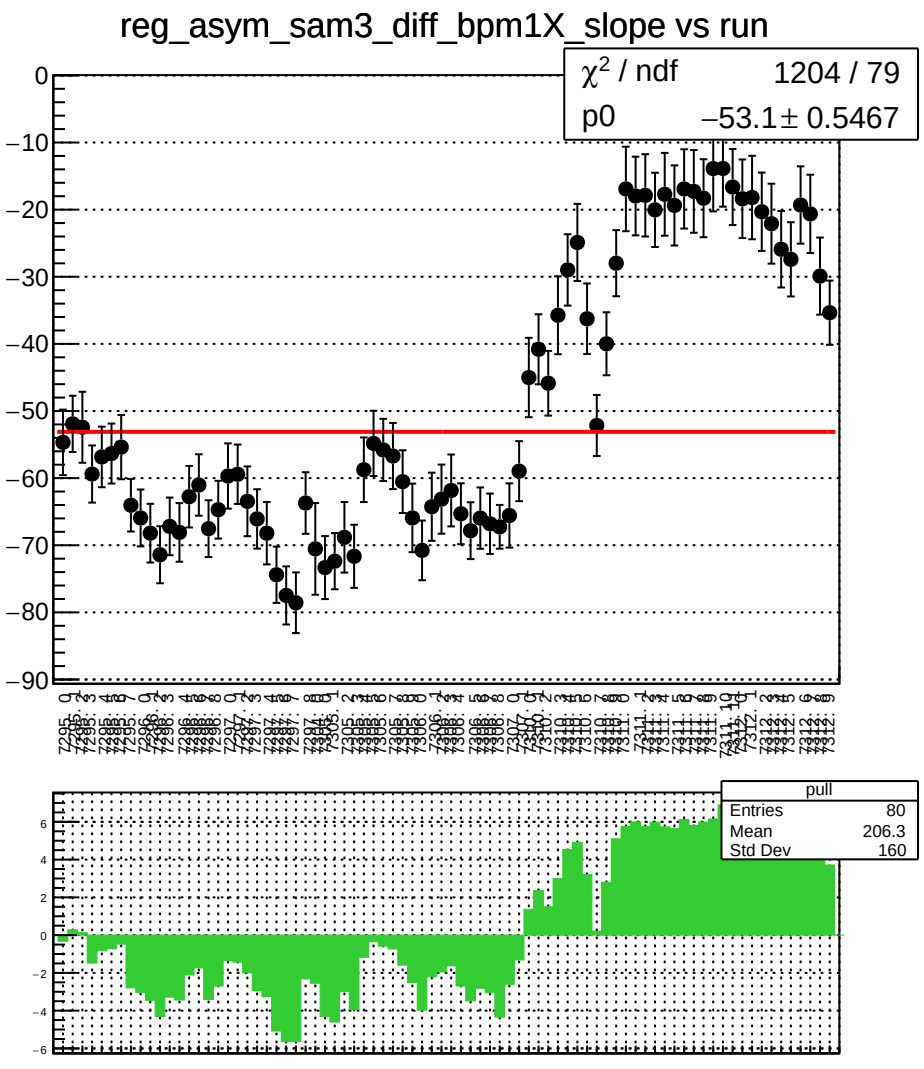

pull1D
Entries 80
Mean −0.01786
Std Dev 0.4541

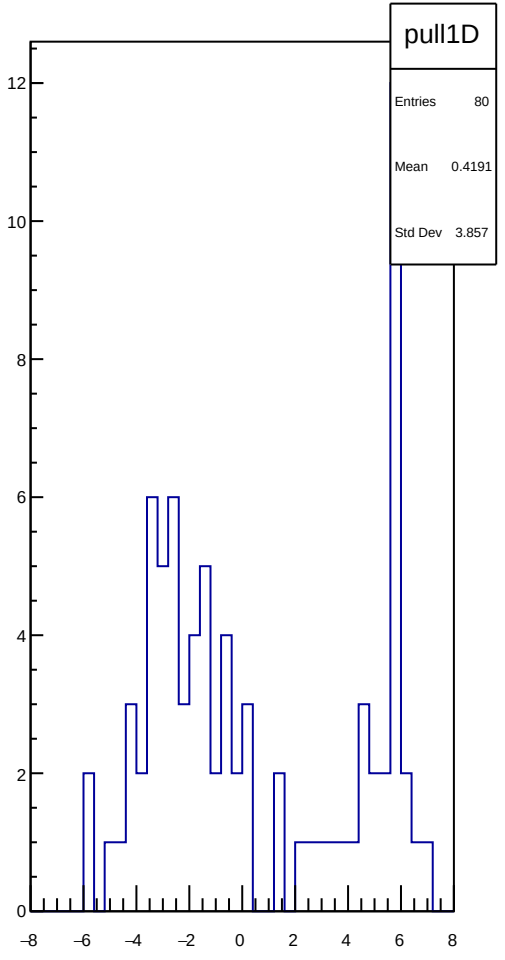

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 19.92 / 79
p0 −117.9 ± 1.445
pull
Entries 80
Mean 175.6
Std Dev 131.5
pull1D
Entries 80
Mean −0.06506
Std Dev 0.4947

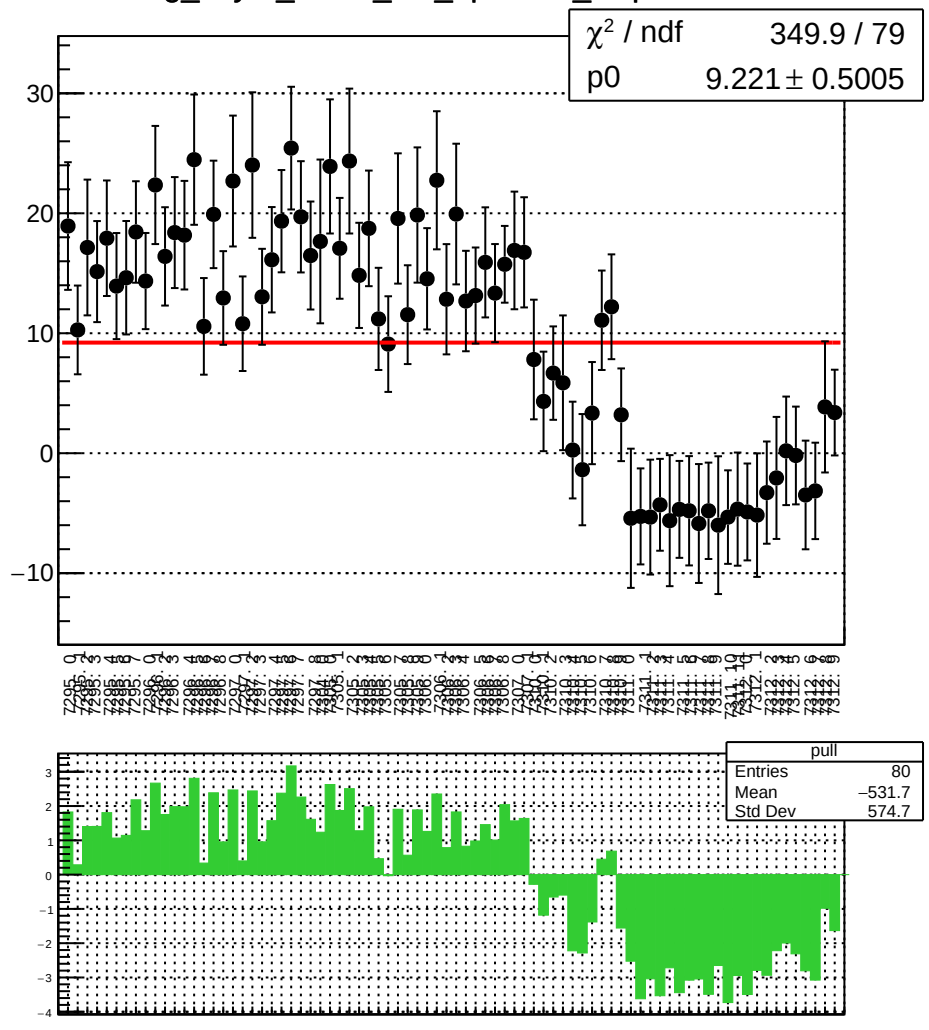

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 29.62 / 79
p0 −146 ± 1.452
−120
−130
−140
−150
−160
−170
pull
Entries 80
Mean 360.9
Std Dev 307.8
1
0.5
0
−0.5
−1

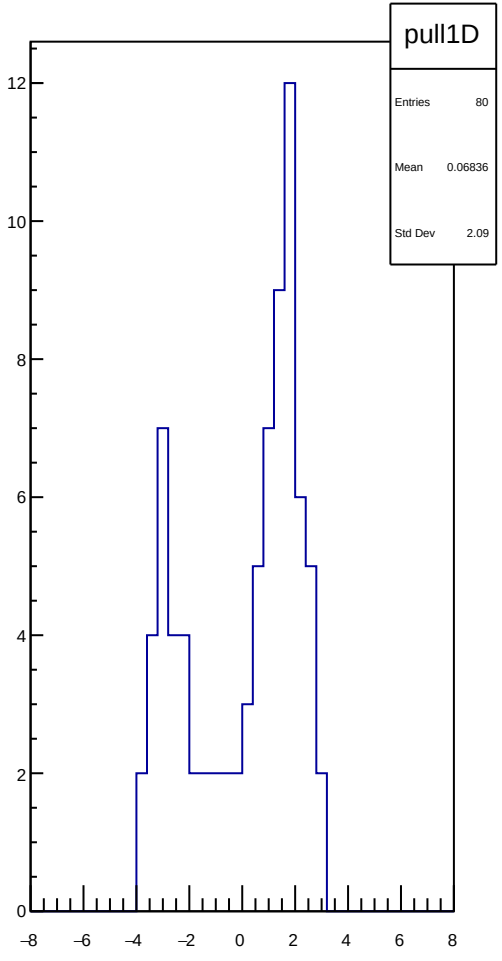

pull1D
Entries 80
Mean 0.02181
Std Dev 0.608
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

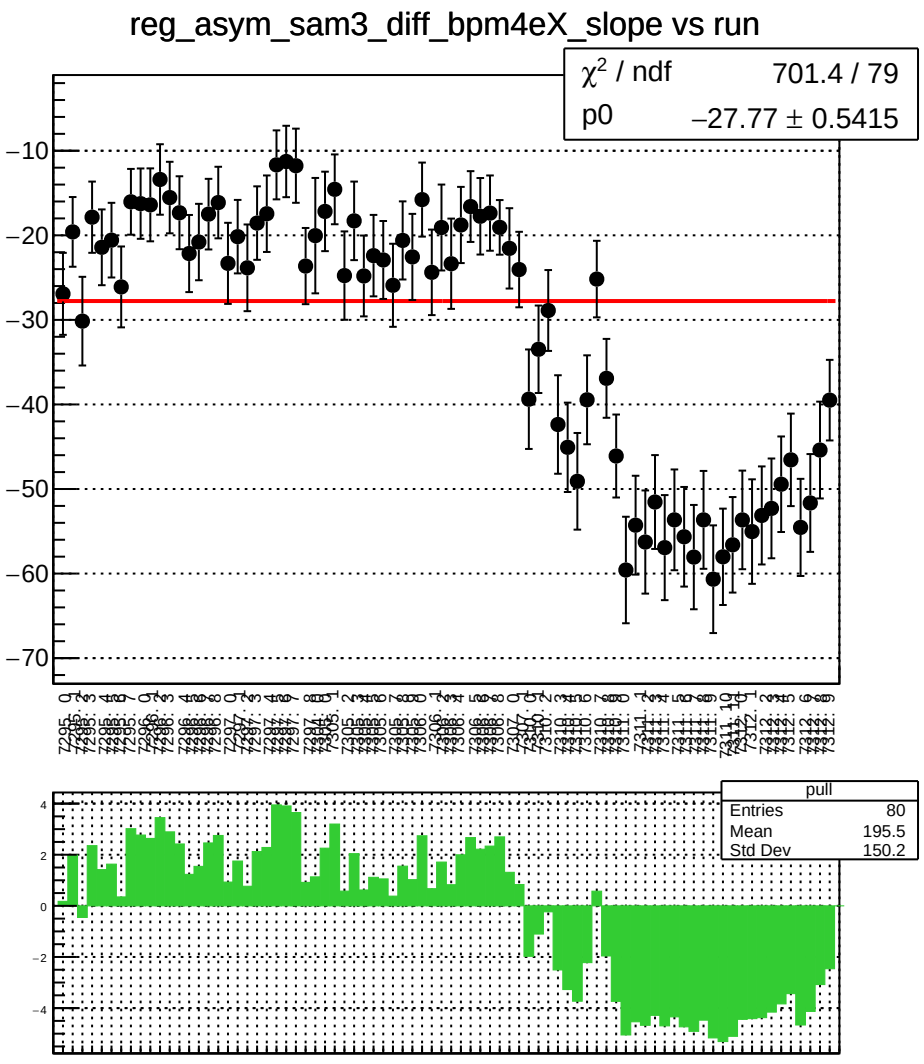

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 64.44 / 79
p0 1.267 ± 0.06091
pull
Entries 80
Mean 95.89
Std Dev 45.34
pull1D
Entries 80
Mean 0.1774
Std Dev 0.8798

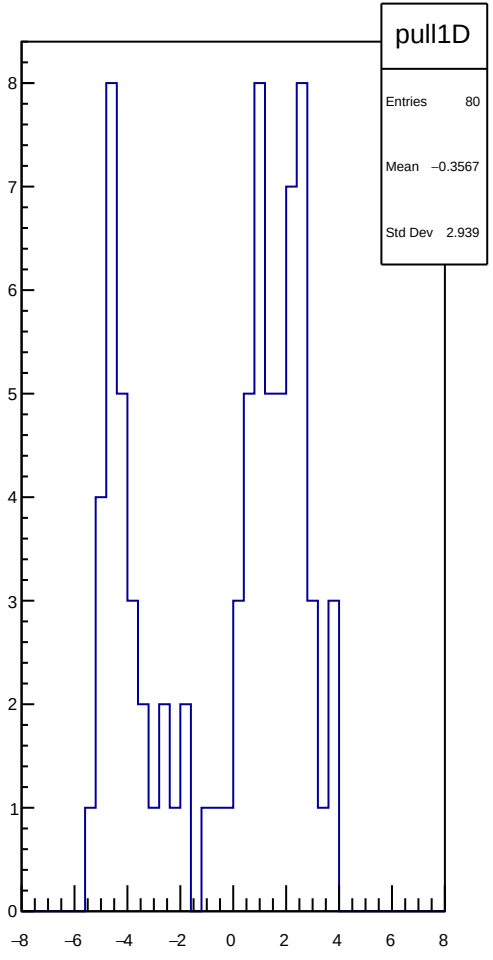

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 1204 / 79
p0 −53.1 ± 0.5467
pull
Entries 80
Mean 206.3
Std Dev 160

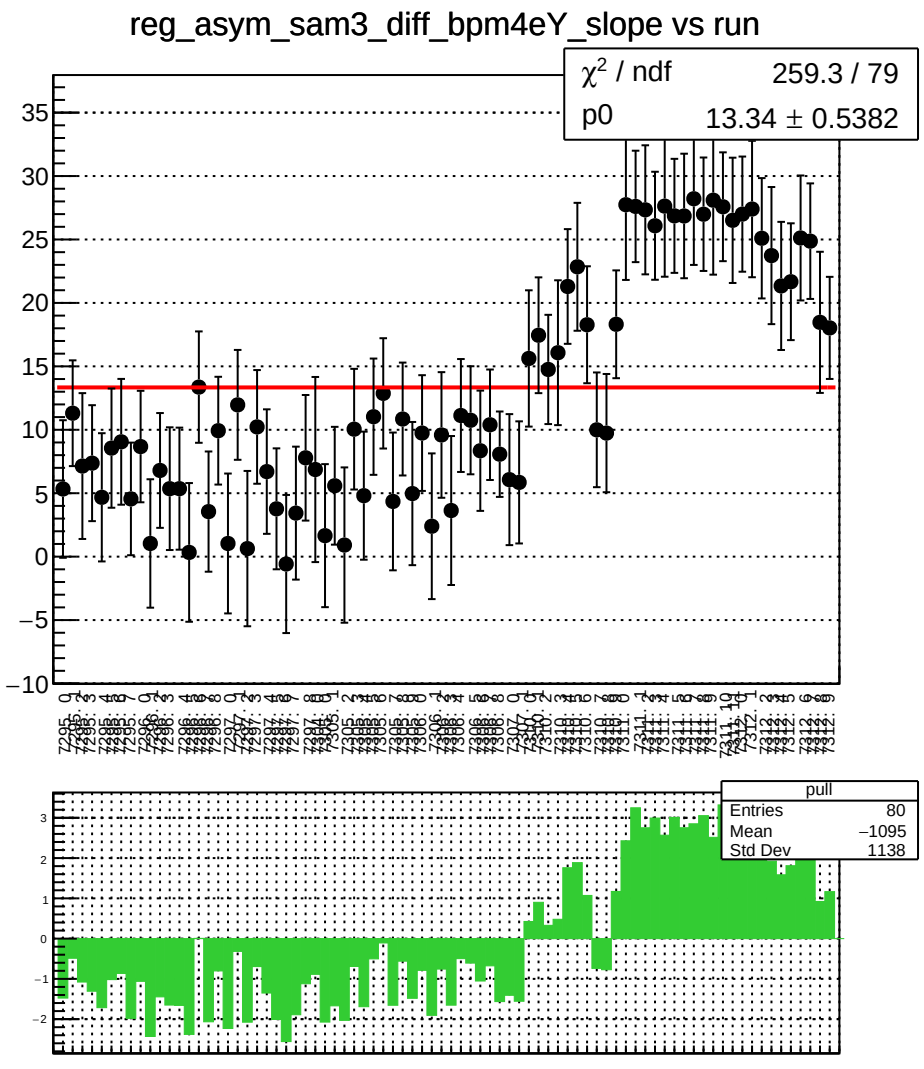

pull1D
Entries 80
Mean 0.4191
Std Dev 3.857

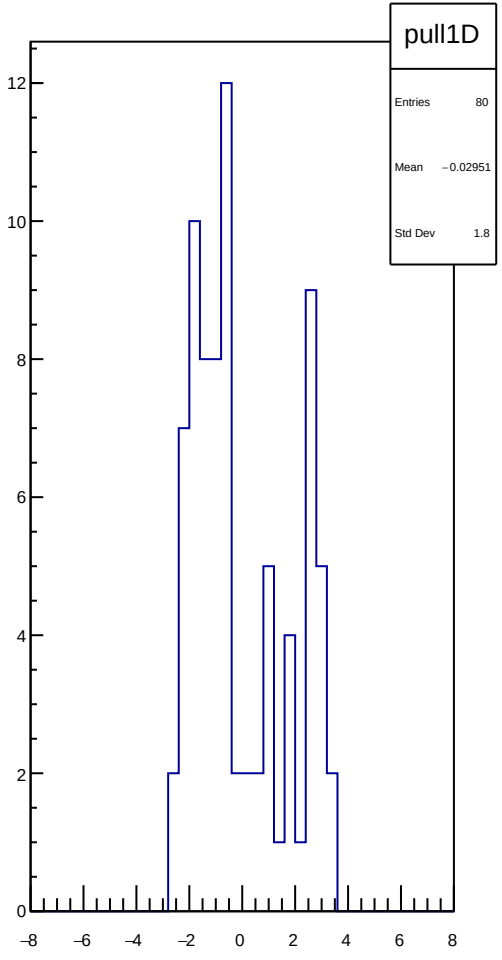

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 349.9 / 79
p0 9.221 ± 0.5005
pull
Entries 80
Mean −531.7
Std Dev 574.7

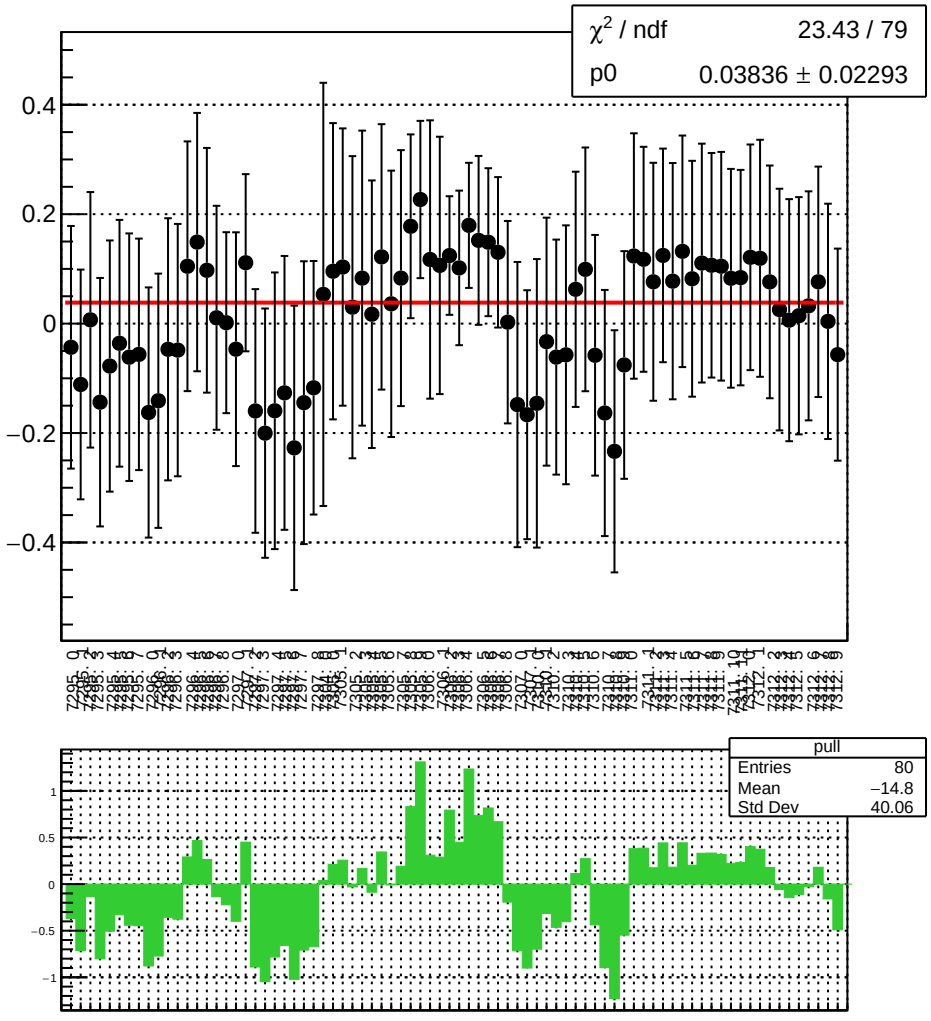

pull1D
Entries 80
Mean 0.06836
Std Dev 2.09

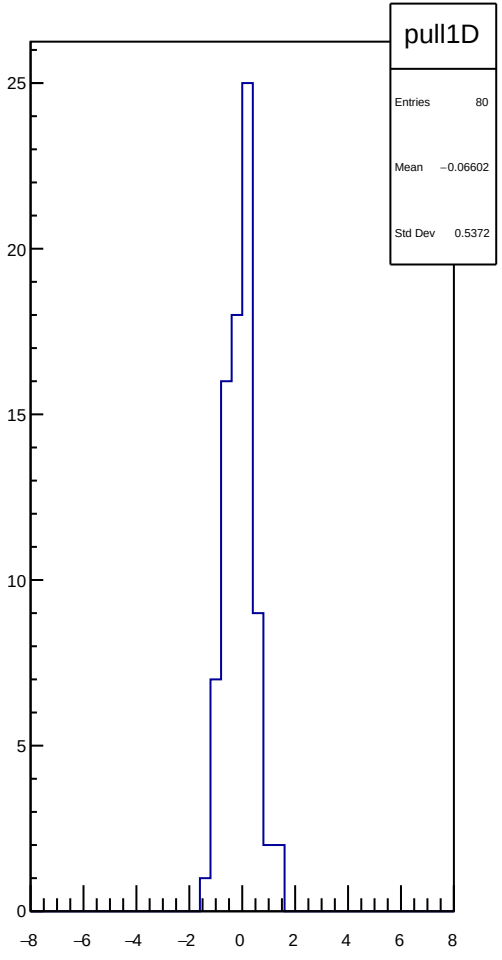

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 701.4 / 79
p0 −27.77 ± 0.5415
pull
Entries 80
Mean 195.5
Std Dev 150.2

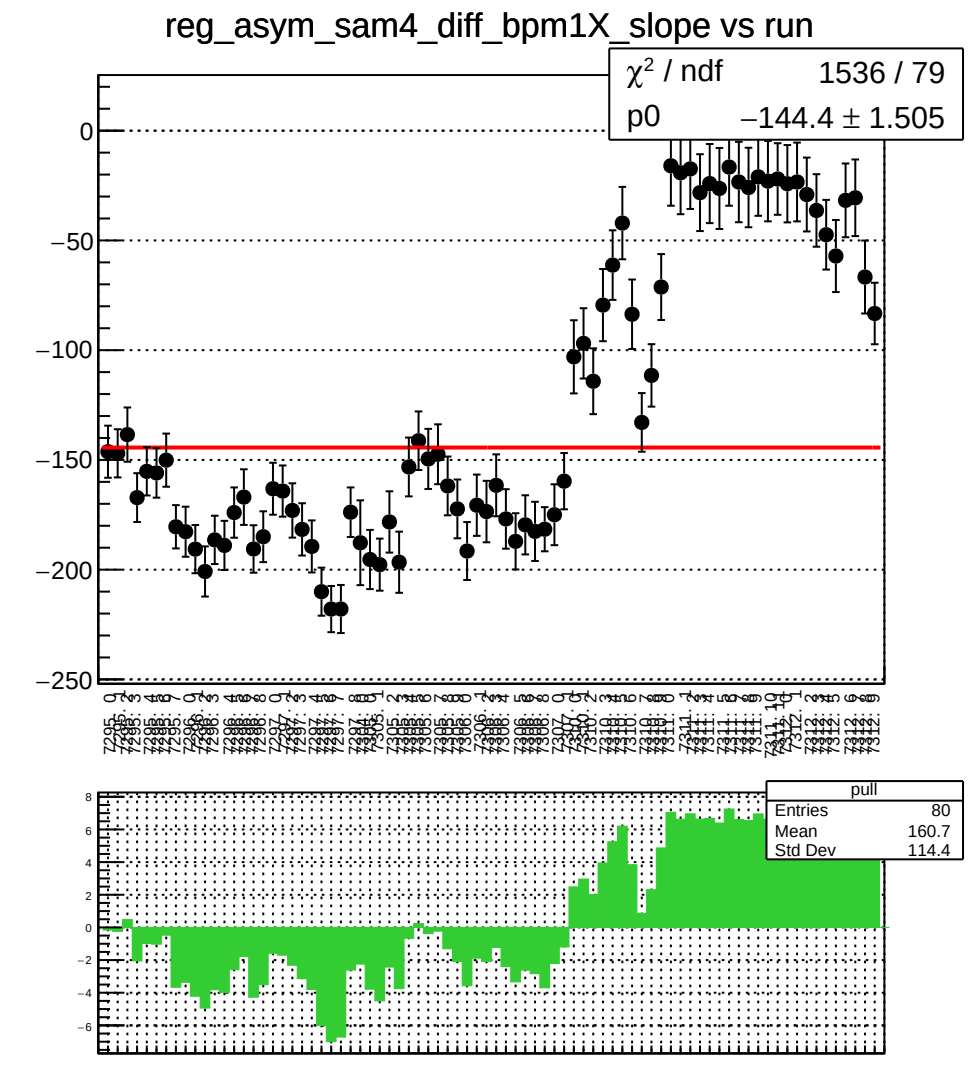

pull1D
Entries 80
Mean −0.3567
Std Dev 2.939

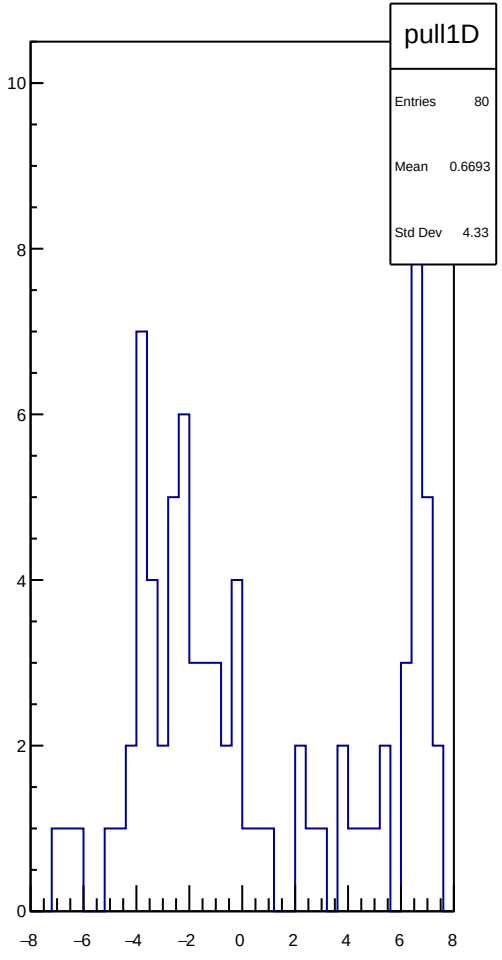

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 259.3 / 79
p0 13.34 ± 0.5382
pull
Entries 80
Mean −1095
Std Dev 1138

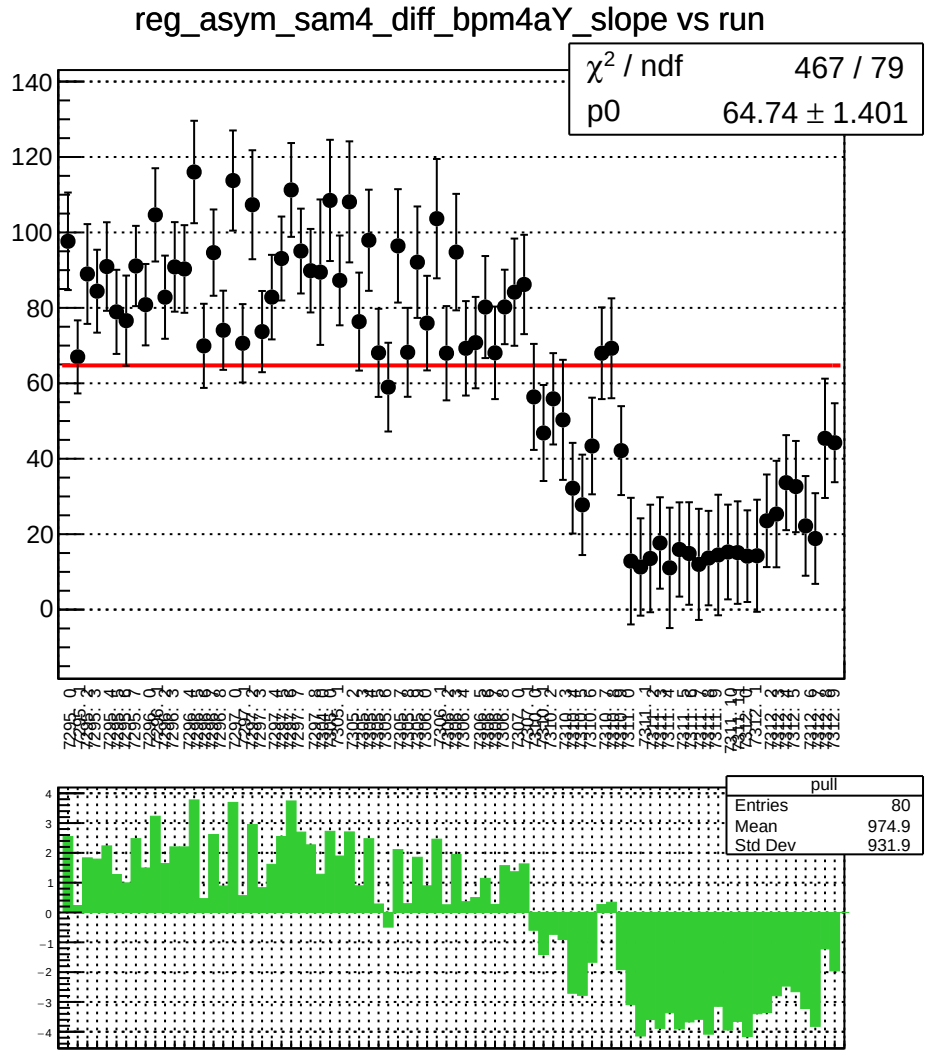

pull1D
Entries 80
Mean −0.02951
Std Dev 1.8

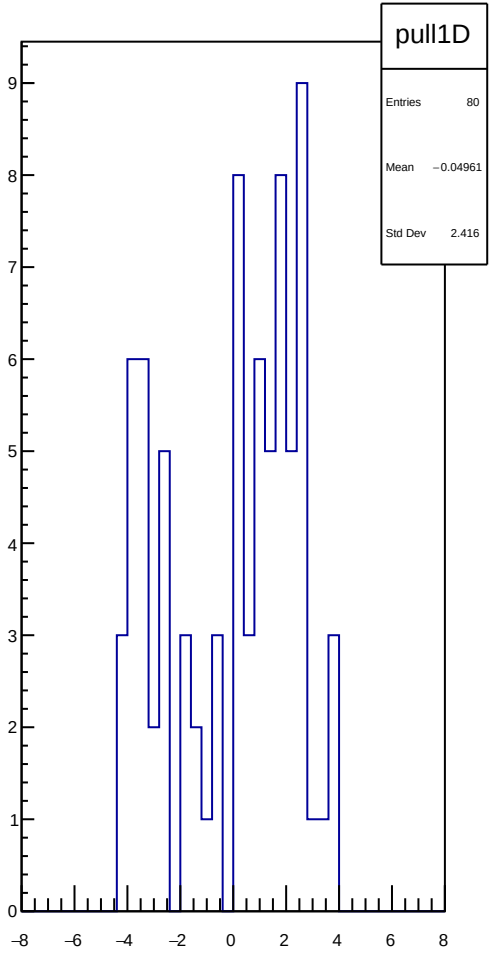

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 23.43 / 79
p0 0.03836 ± 0.02293
pull
Entries 80
Mean −14.8
Std Dev 40.06

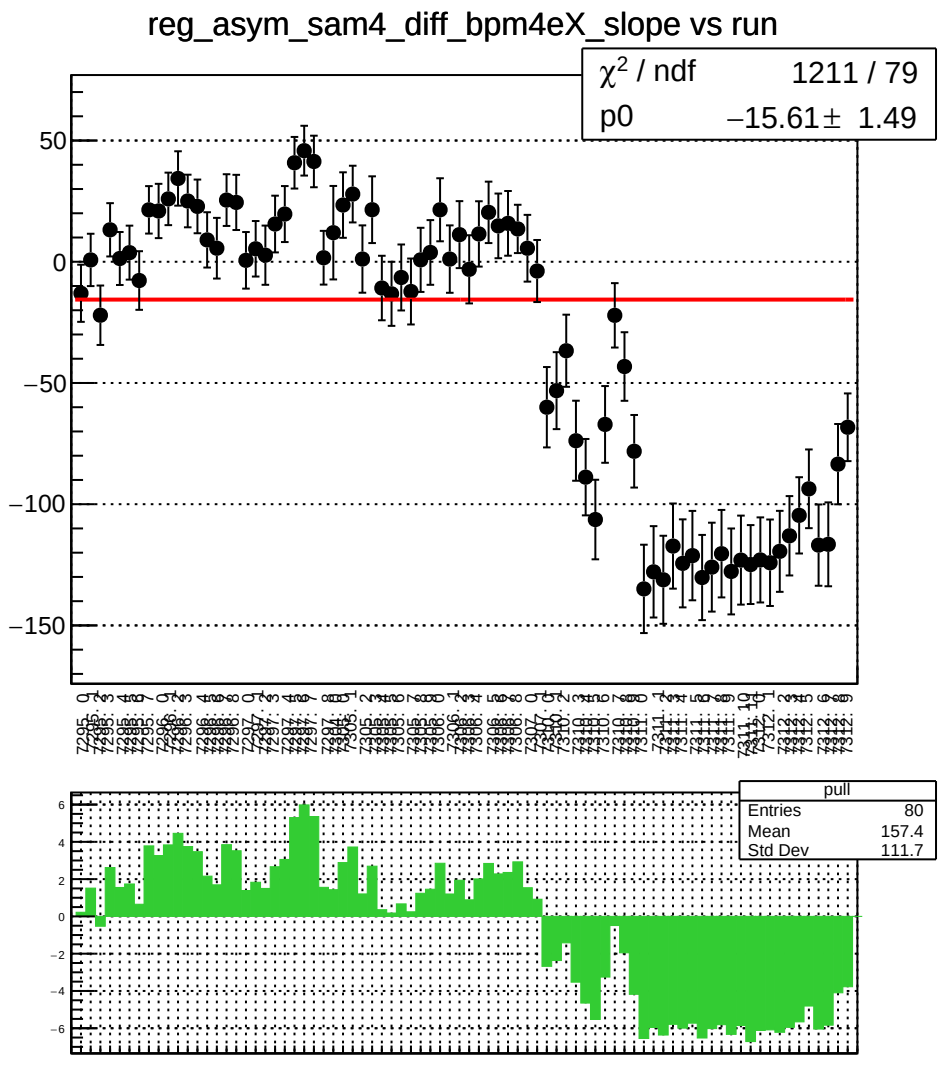

pull1D
Entries 80
Mean −0.06602
Std Dev 0.5372

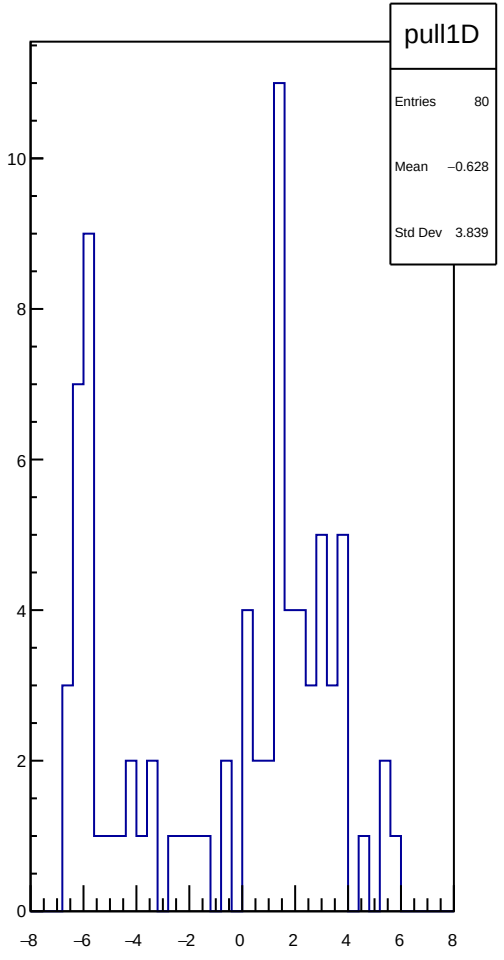

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1536 / 79
p0 −144.4 ± 1.505
pull
Entries 80
Mean 160.7
Std Dev 114.4

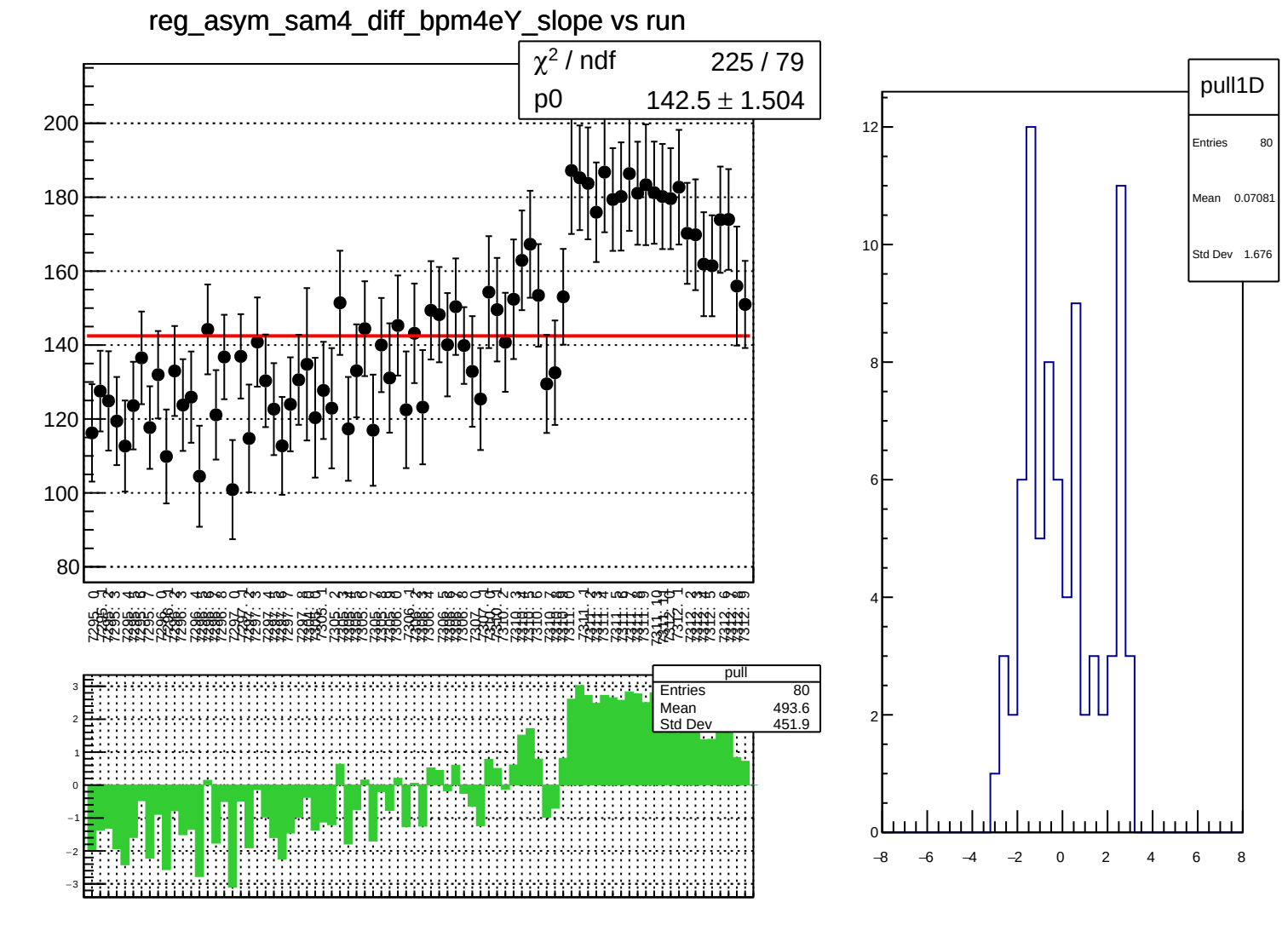

pull1D
Entries 80
Mean 0.6693
Std Dev 4.33

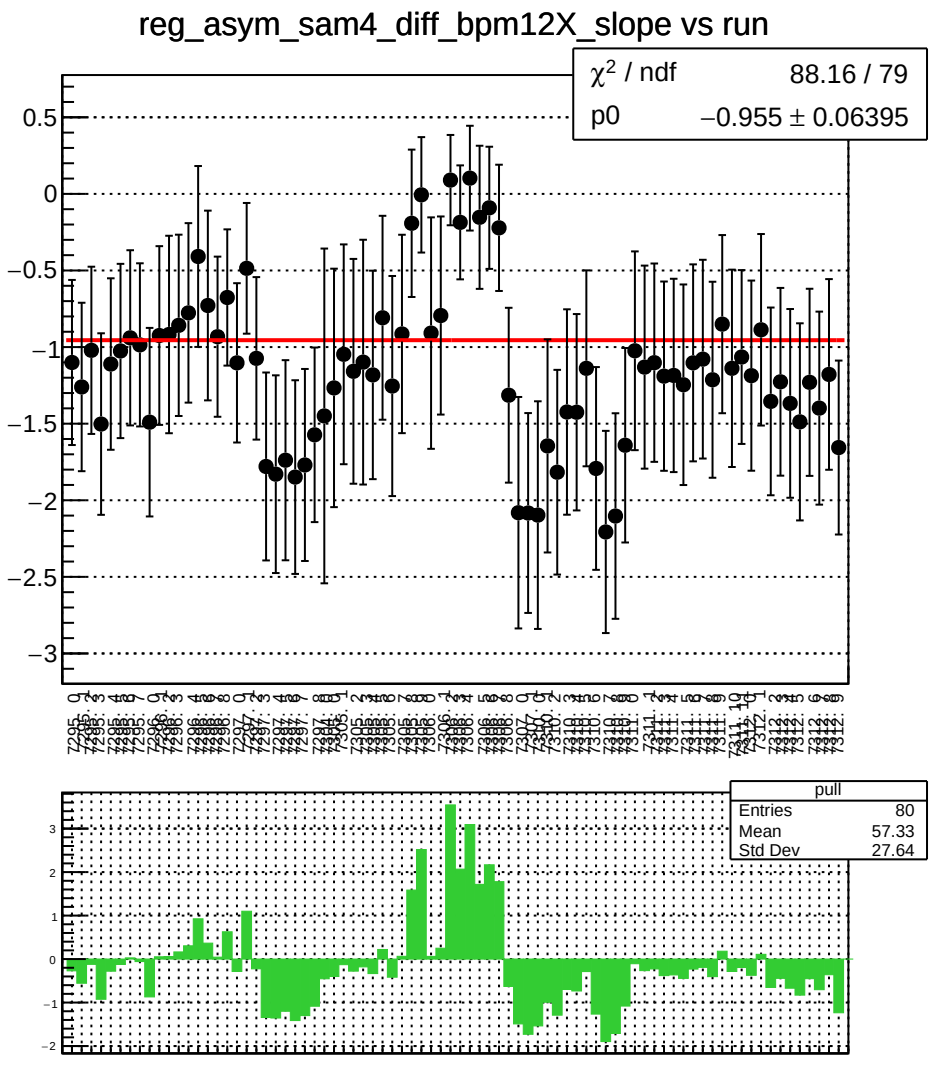

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 467 / 79
p0 64.74 ± 1.401
pull
Entries 80
Mean 974.9
Std Dev 931.9

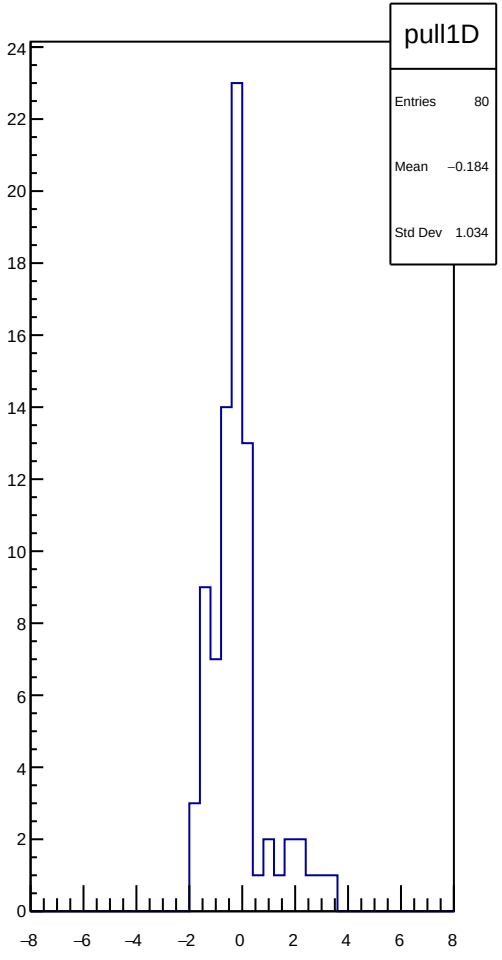

pull1D
Entries 80
Mean −0.04961
Std Dev 2.416

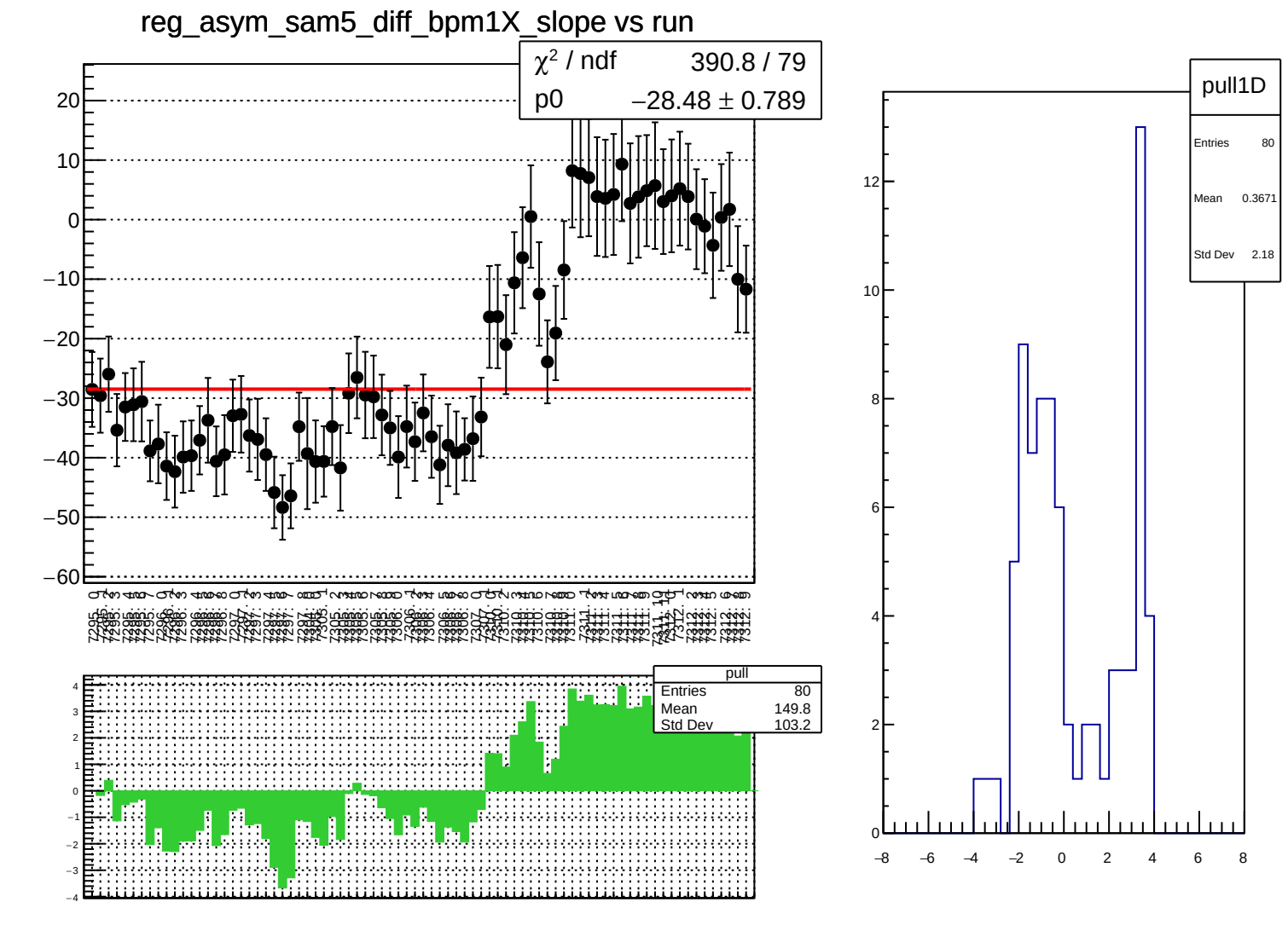

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1211 / 79
p0 −15.61± 1.49
pull
Entries 80
Mean 157.4
Std Dev 111.7

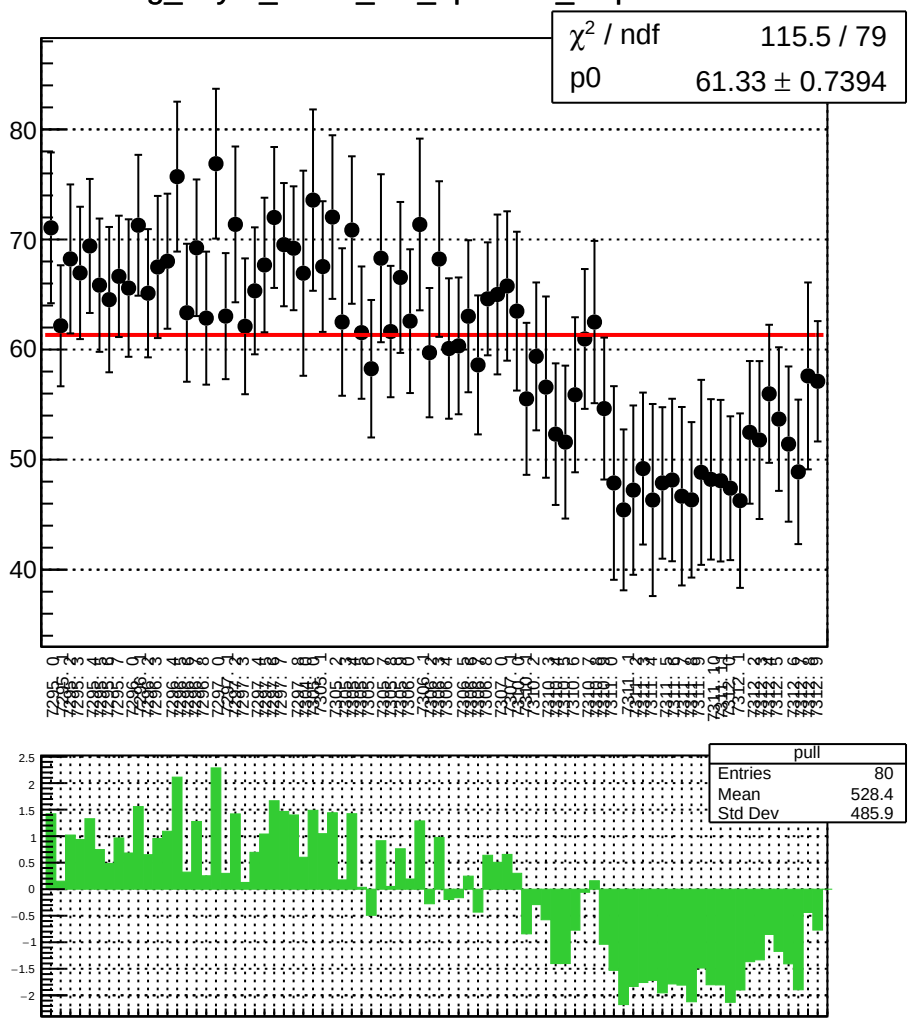

pull1D
Entries 80
Mean −0.628
Std Dev 3.839

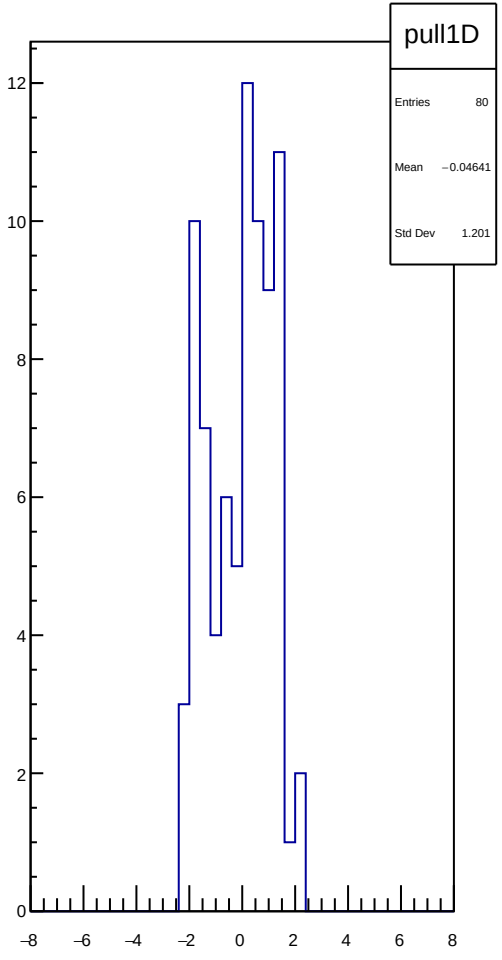

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 225 / 79
p0 142.5 ± 1.504
pull
Entries 80
Mean 493.6
Std Dev 451.9
pull1D
Entries 80
Mean 0.07081
Std Dev 1.676

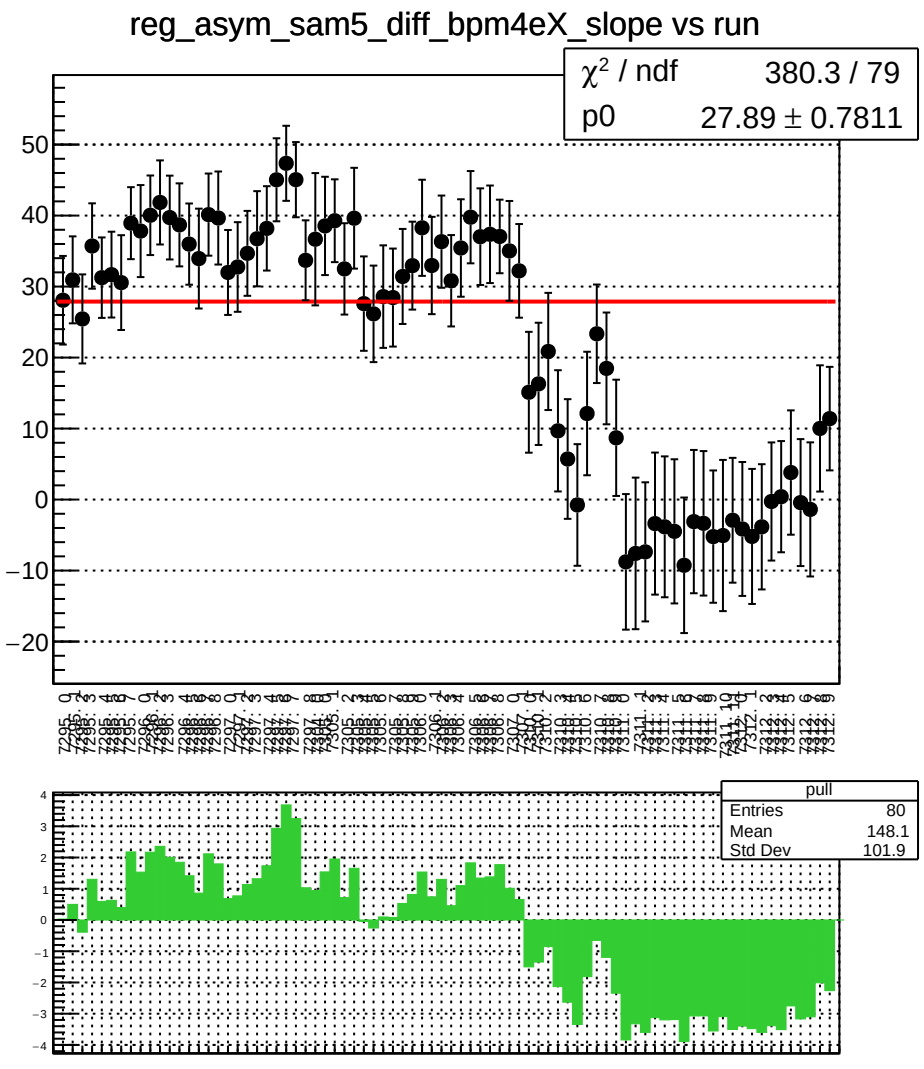

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 79
p0 −0.955 ± 0.06395
pull
Entries 80
Mean 57.33
Std Dev 27.64

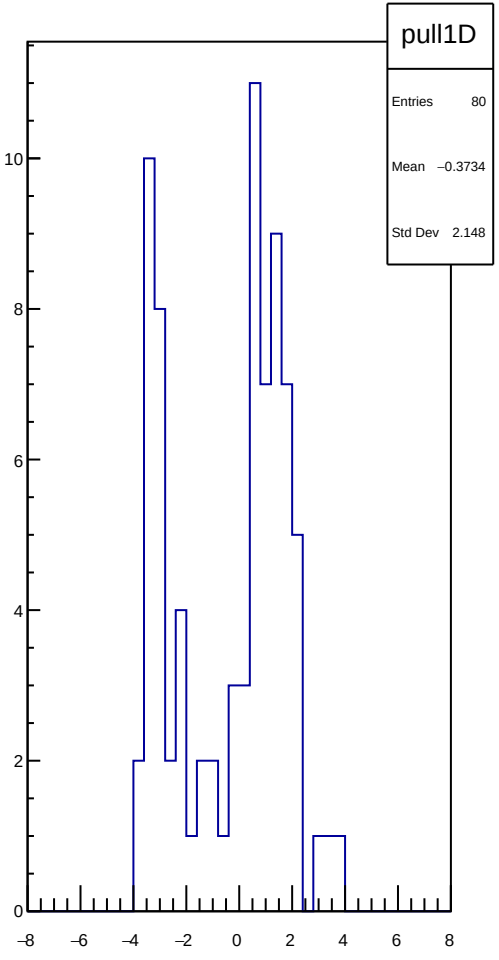

pull1D
Entries 80
Mean −0.184
Std Dev 1.034

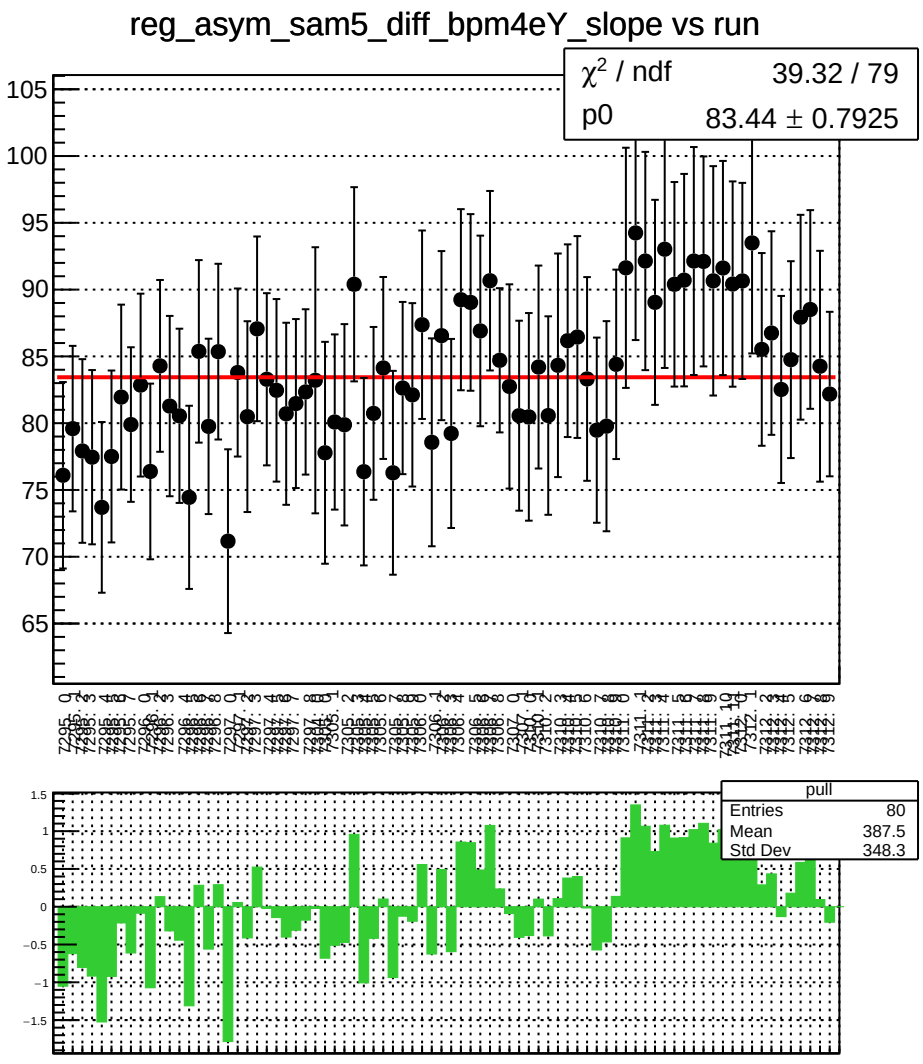

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 390.8 / 79
p0 −28.48 ± 0.789
pull
Entries 80
Mean 149.8
Std Dev 103.2
pull1D
Entries 80
Mean 0.3671
Std Dev 2.18

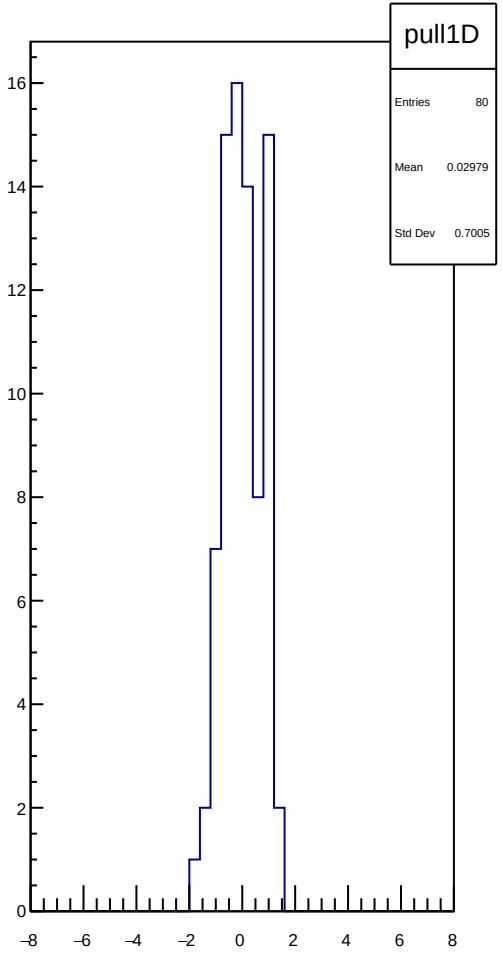

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 115.5 / 79
p0 61.33 ± 0.7394
pull
Entries 80
Mean 528.4
Std Dev 485.9

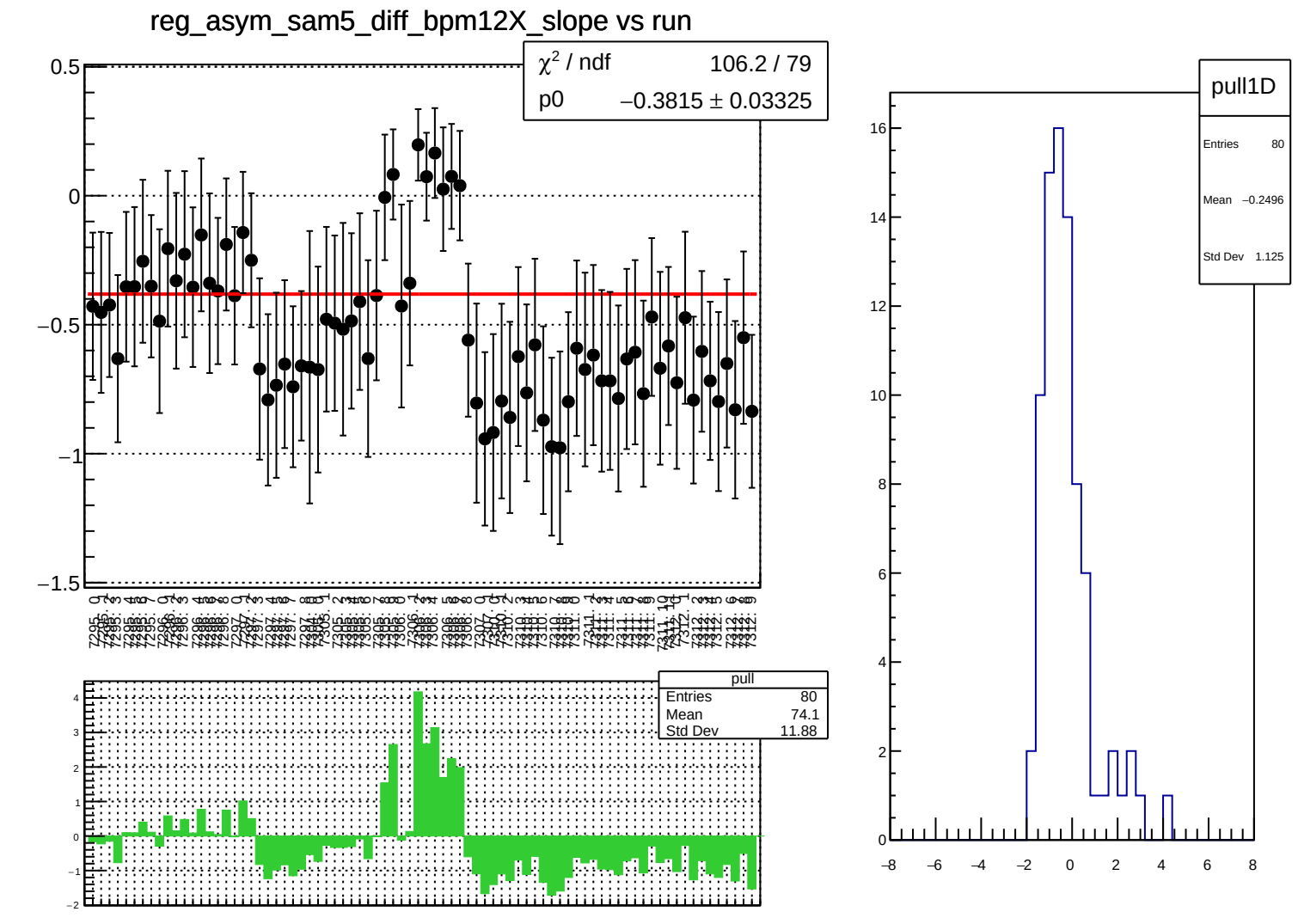

pull1D
Entries 80
Mean −0.04641
Std Dev 1.201

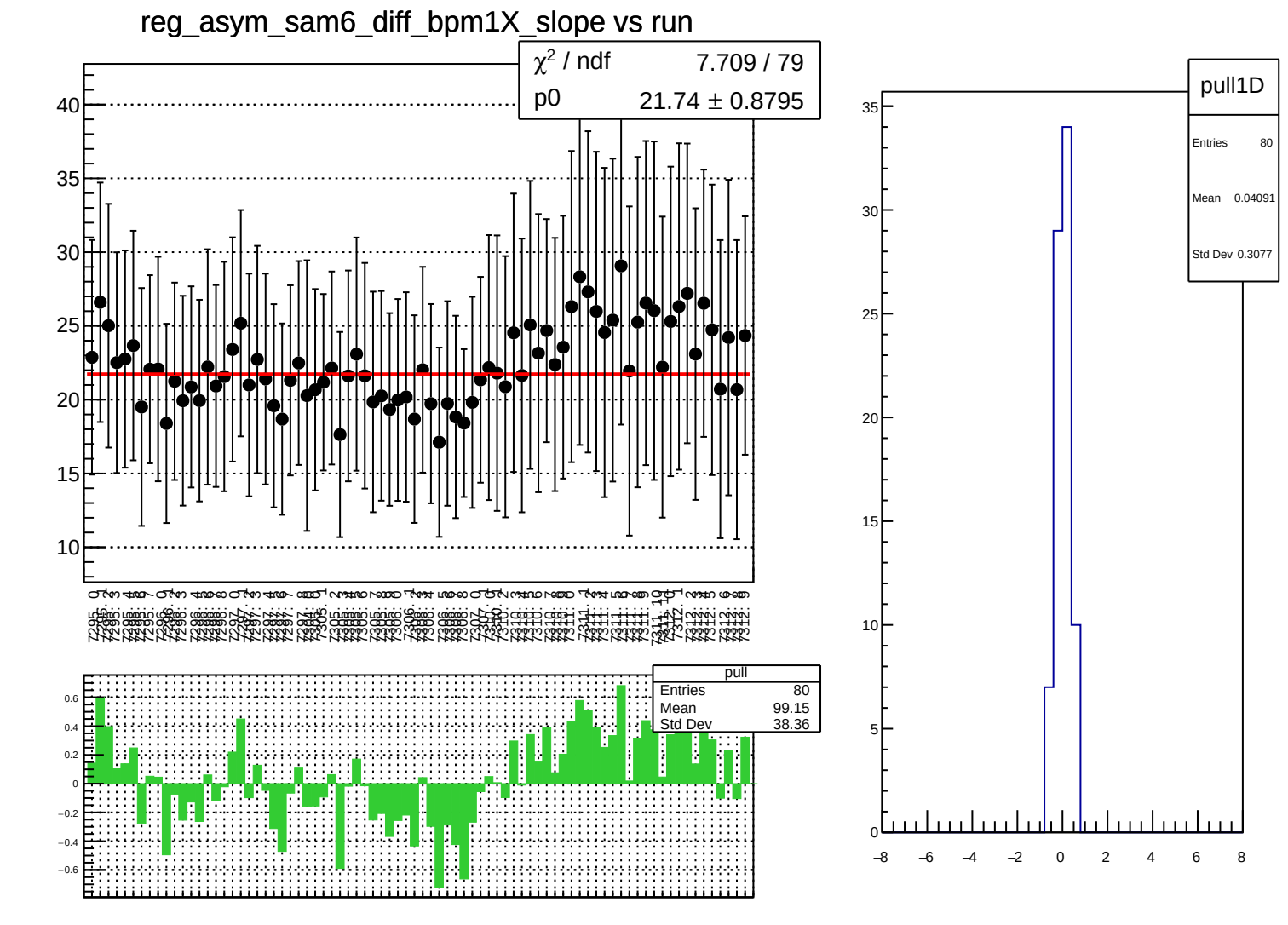

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 380.3 / 79
p0 27.89 ± 0.7811
pull
Entries 80
Mean 148.1
Std Dev 101.9

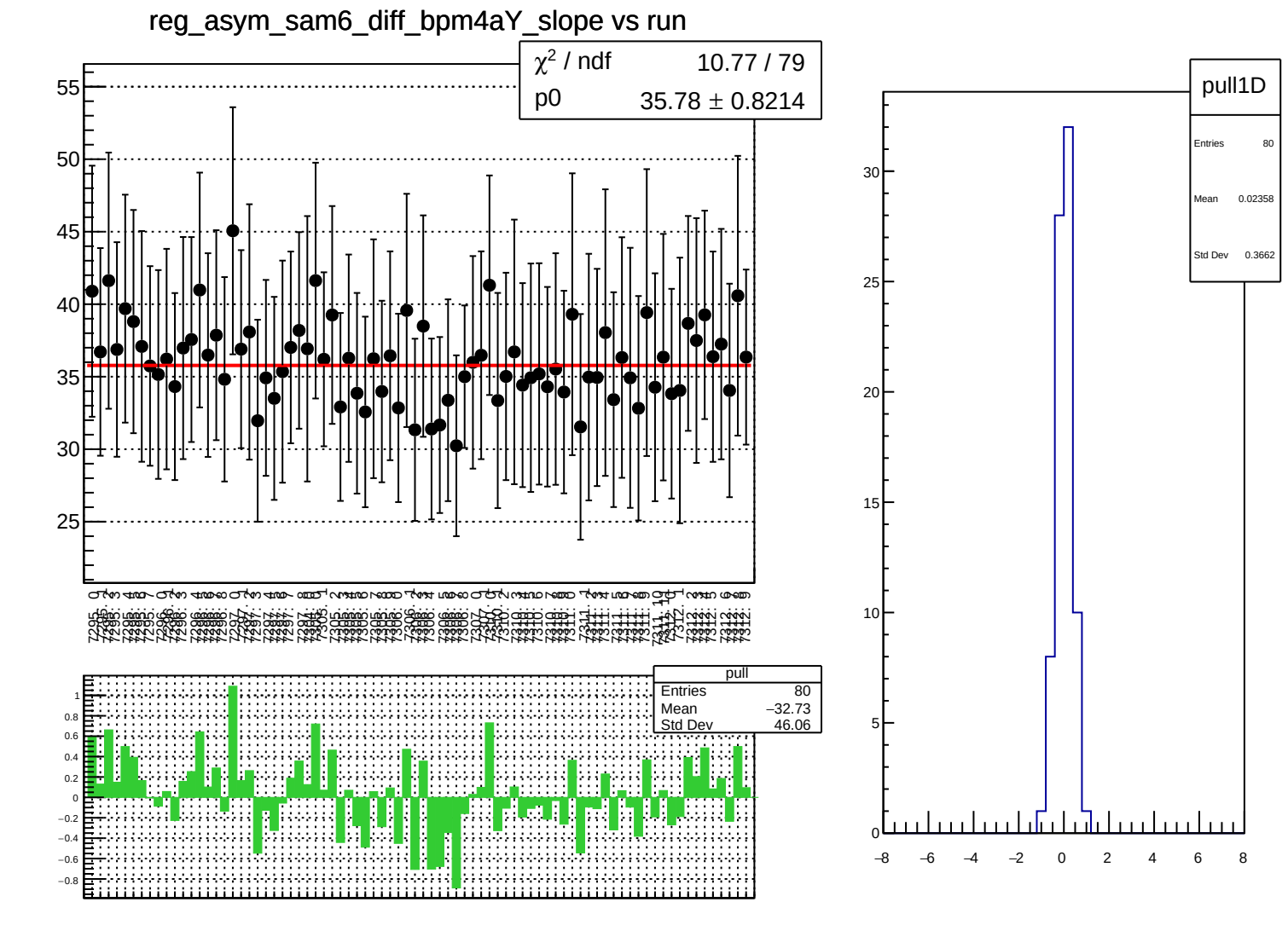

pull1D
Entries 80
Mean −0.3734
Std Dev 2.148

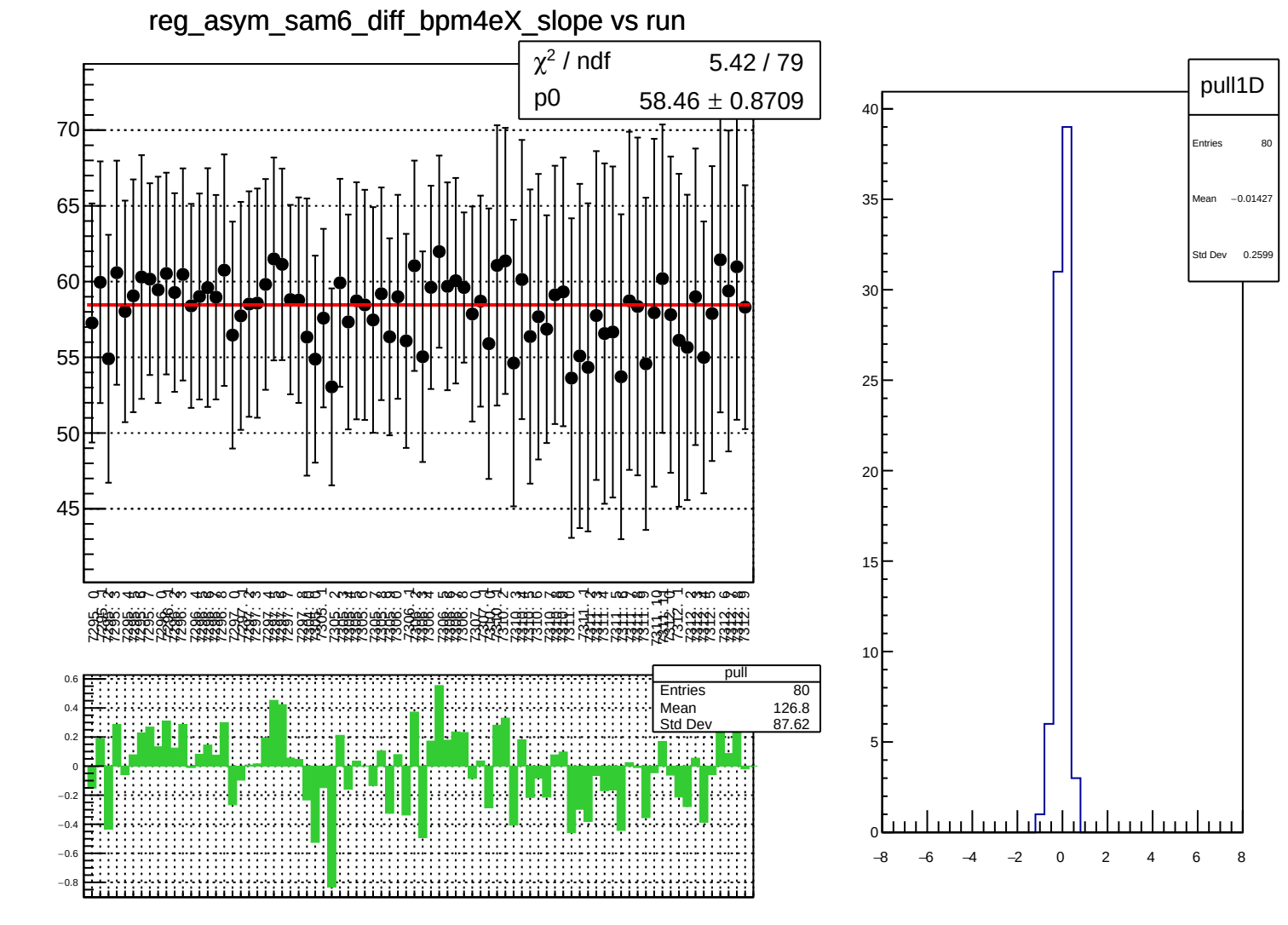

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 39.32 / 79
p0 83.44 ± 0.7925
pull
Entries 80
Mean 387.5
Std Dev 348.3

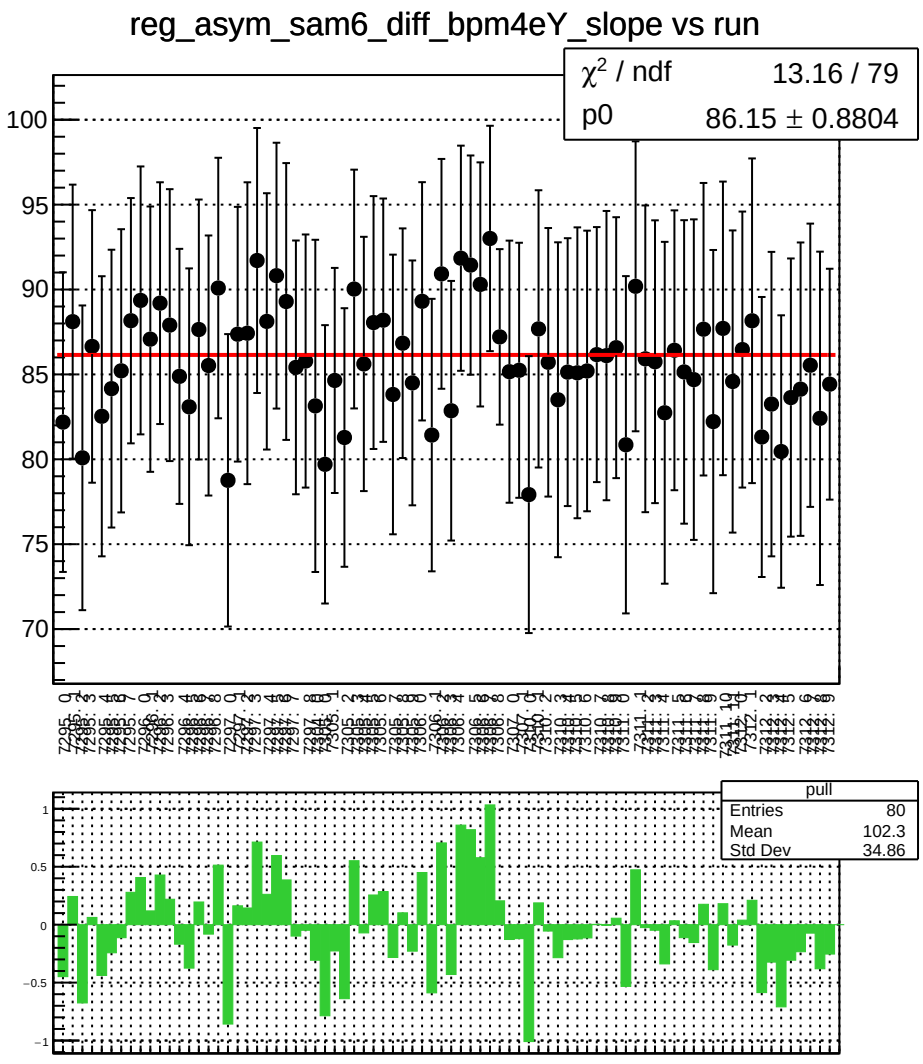

pull1D
Entries 80
Mean 0.02979
Std Dev 0.7005

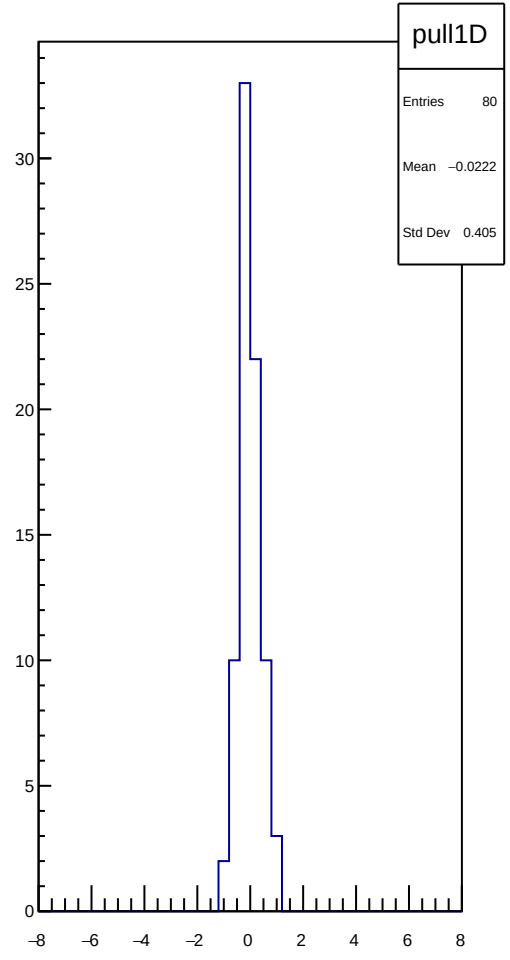

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 79
p0 −0.3815 ± 0.03325
pull
Entries 80
Mean 74.1
Std Dev 11.88
pull1D
Entries 80
Mean −0.2496
Std Dev 1.125

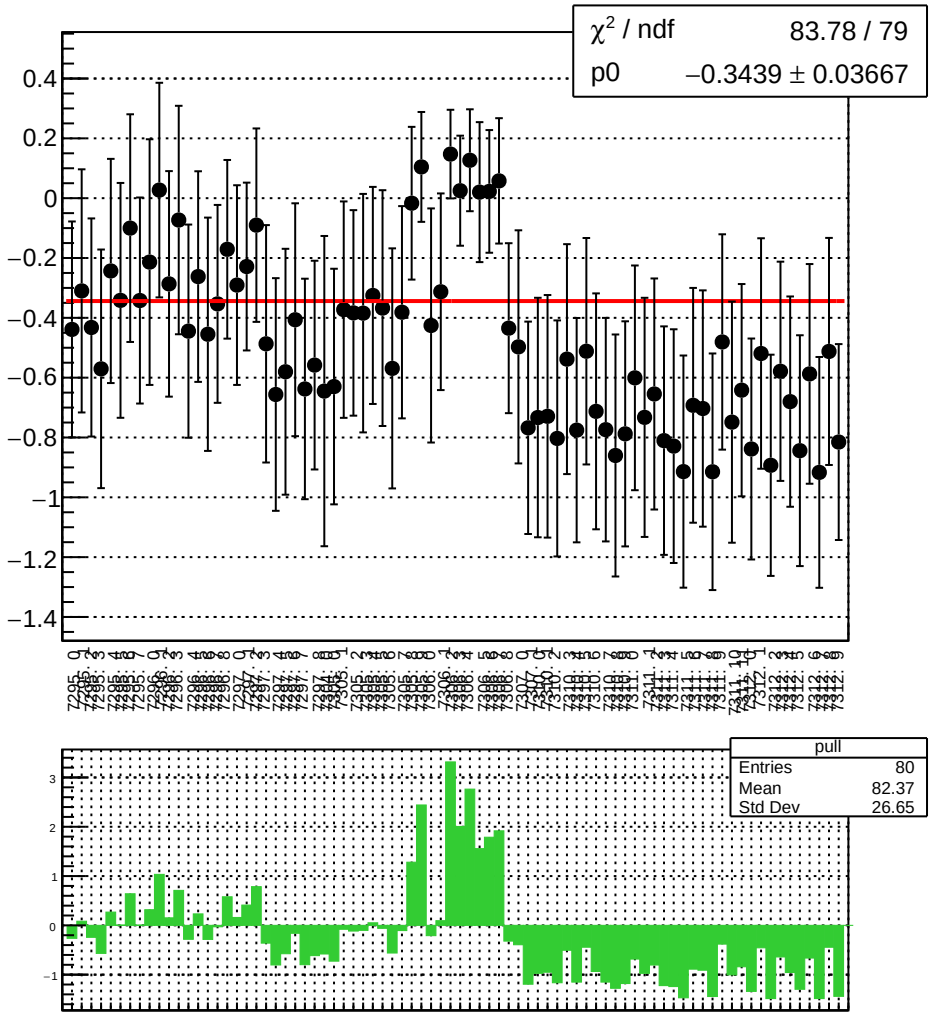

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.709 / 79
p0 21.74 ± 0.8795
pull
Entries 80
Mean 99.15
Std Dev 38.36
pull1D
Entries 80
Mean 0.04091
Std Dev 0.3077

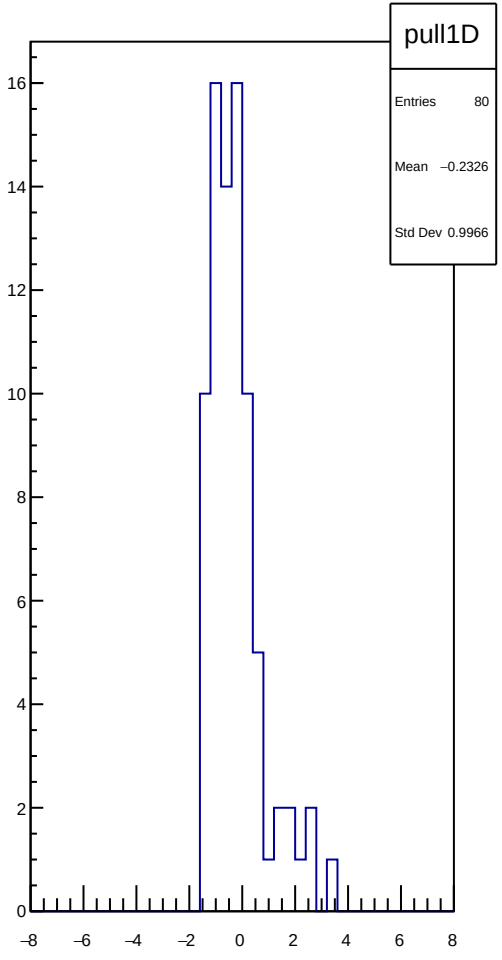

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 10.77 / 79
p0 35.78 ± 0.8214
pull
Entries 80
Mean −32.73
Std Dev 46.06
pull1D
Entries 80
Mean 0.02358
Std Dev 0.3662

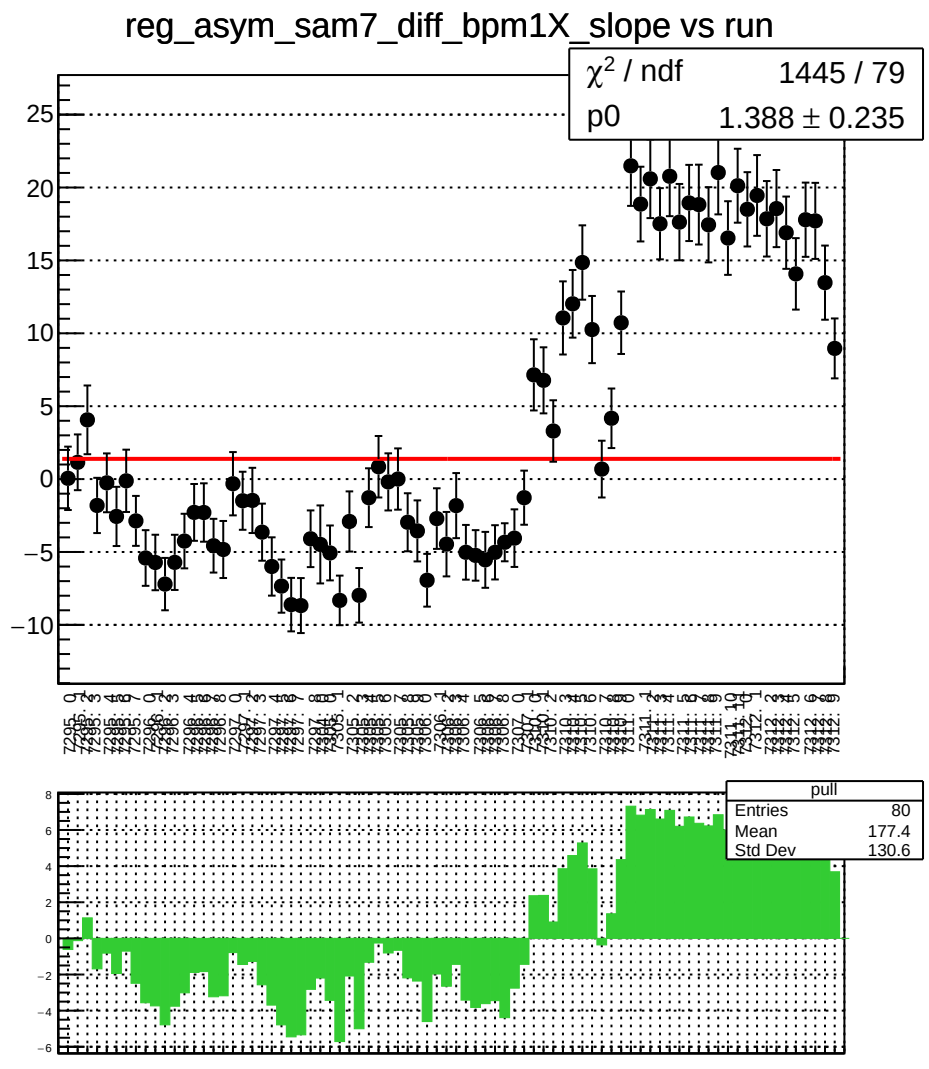

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.42 / 79
p0 58.46 ± 0.8709
pull
Entries 80
Mean 126.8
Std Dev 87.62
pull1D
Entries 80
Mean −0.01427
Std Dev 0.2599

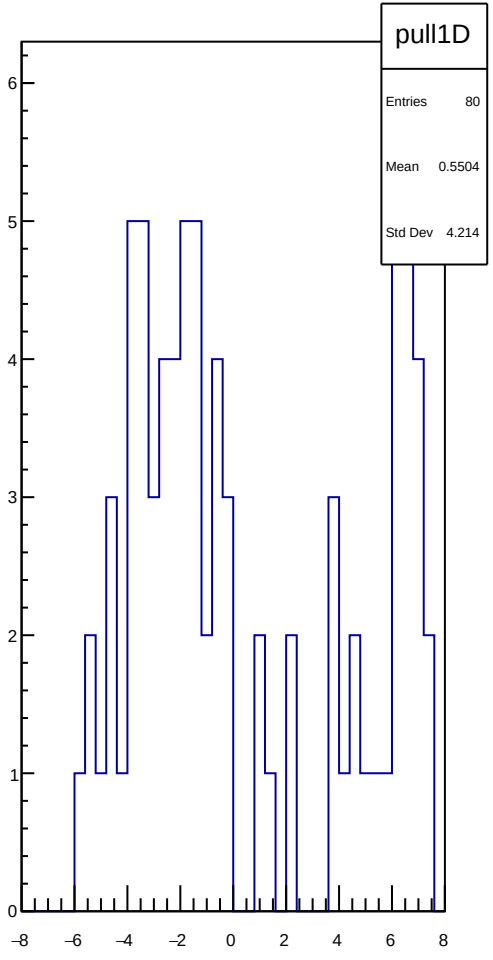

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 13.16 / 79
p0 86.15 ± 0.8804
pull
Entries 80
Mean 102.3
Std Dev 34.86

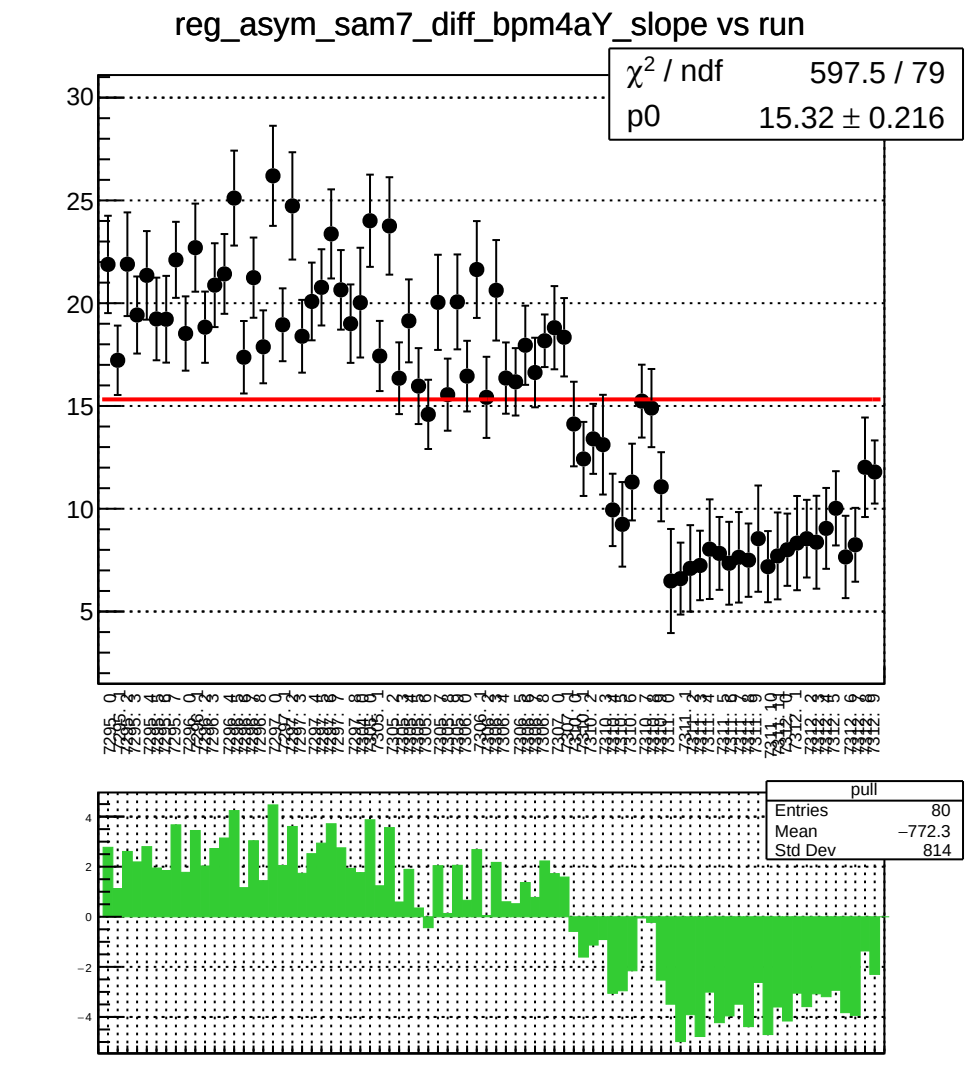

pull1D
Entries 80
Mean −0.0222
Std Dev 0.405

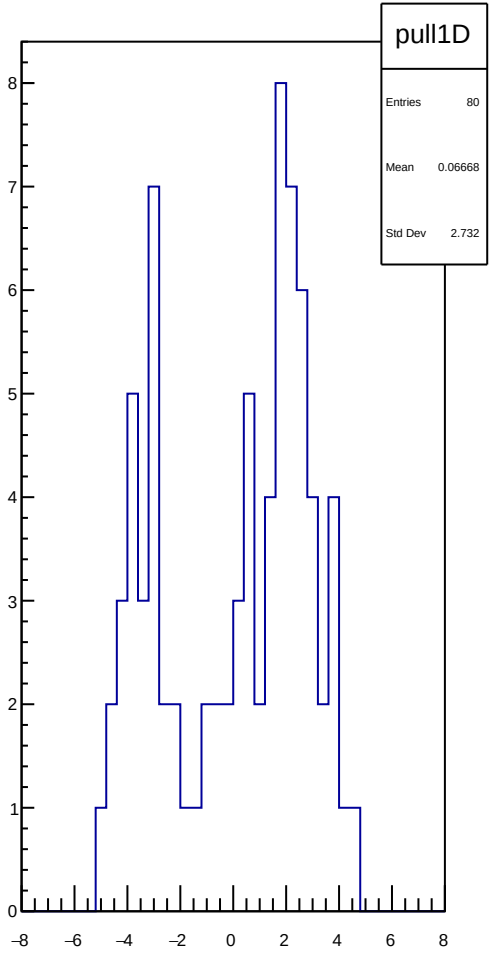

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 83.78 / 79
p0 −0.3439 ± 0.03667
pull
Entries 80
Mean 82.37
Std Dev 26.65

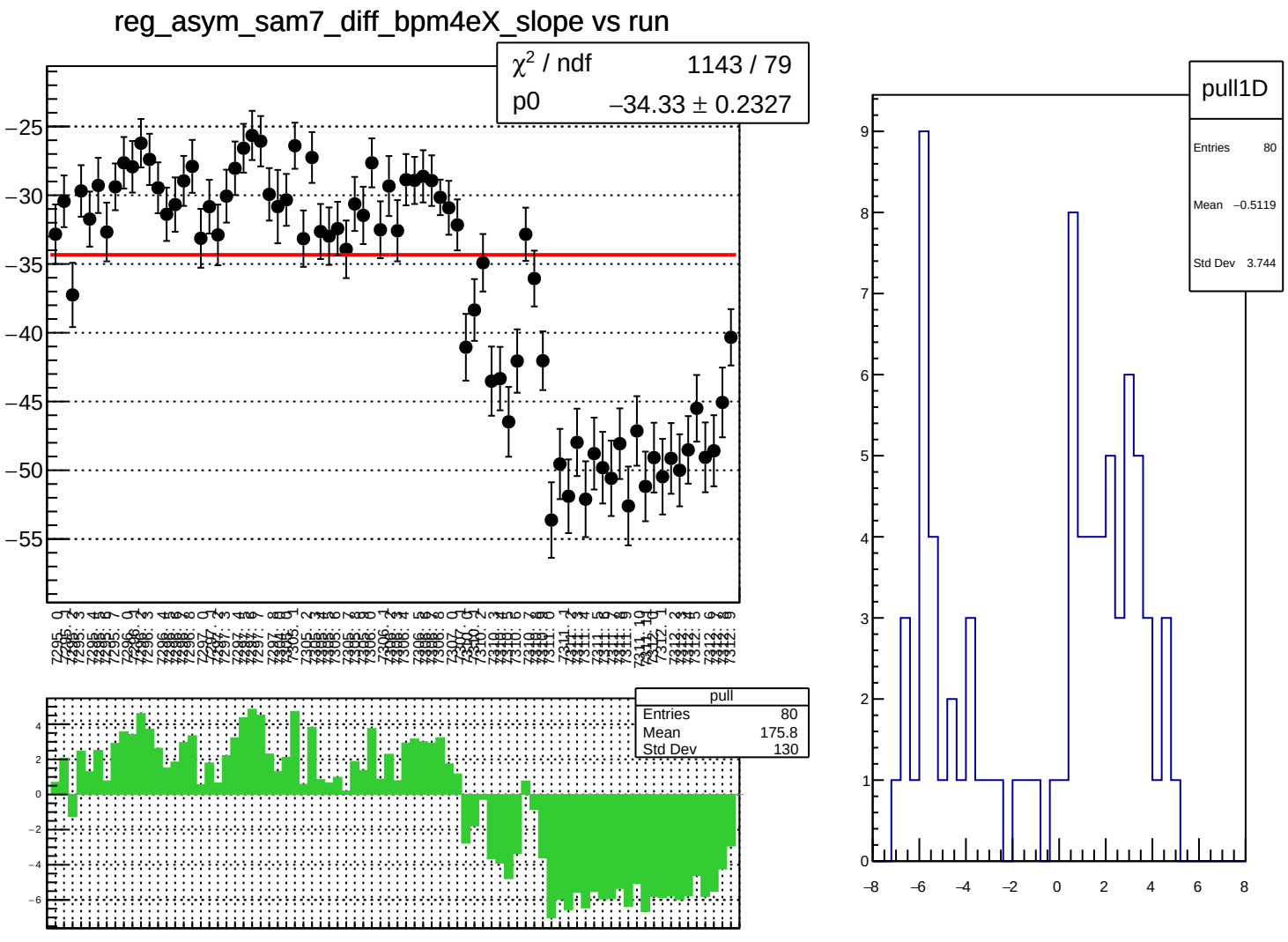

pull1D
Entries 80
Mean −0.2326
Std Dev 0.9966

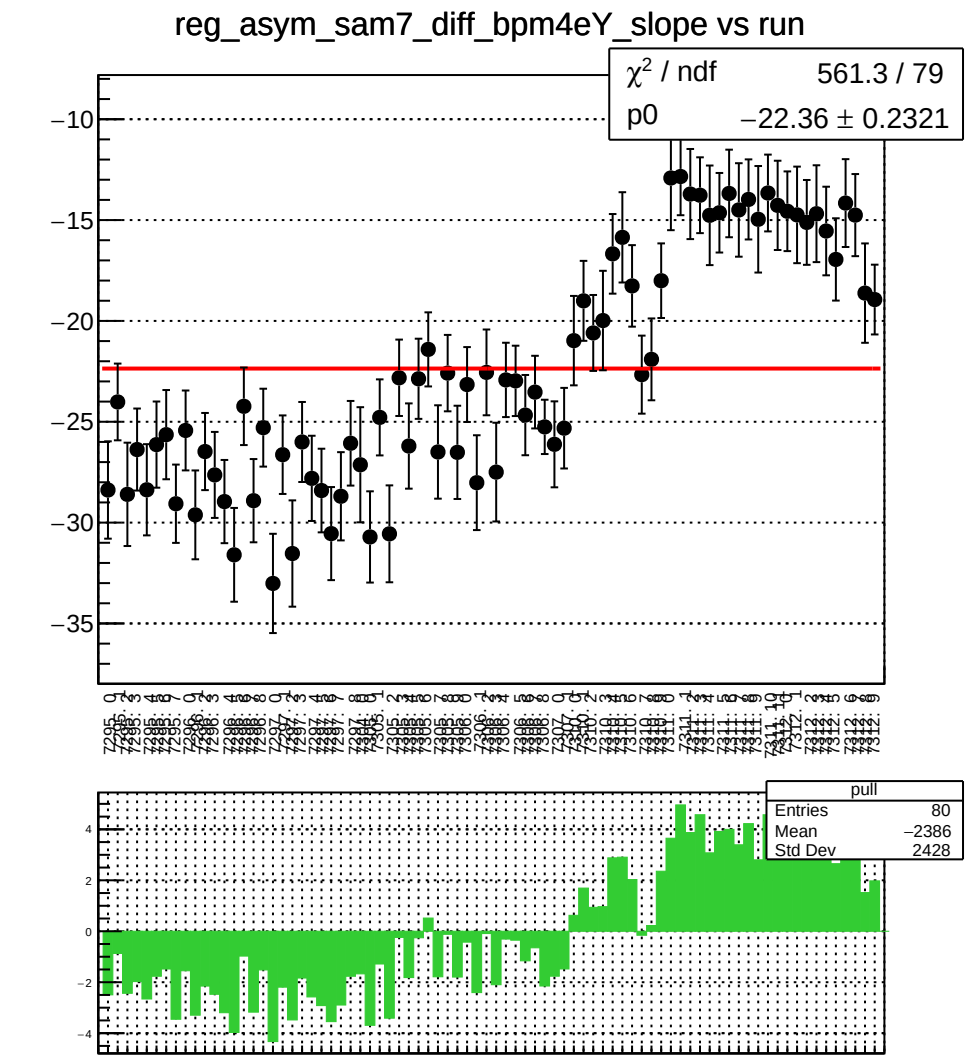

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1445 / 79
p0 1.388 ± 0.235
pull
Entries 80
Mean 177.4
Std Dev 130.6

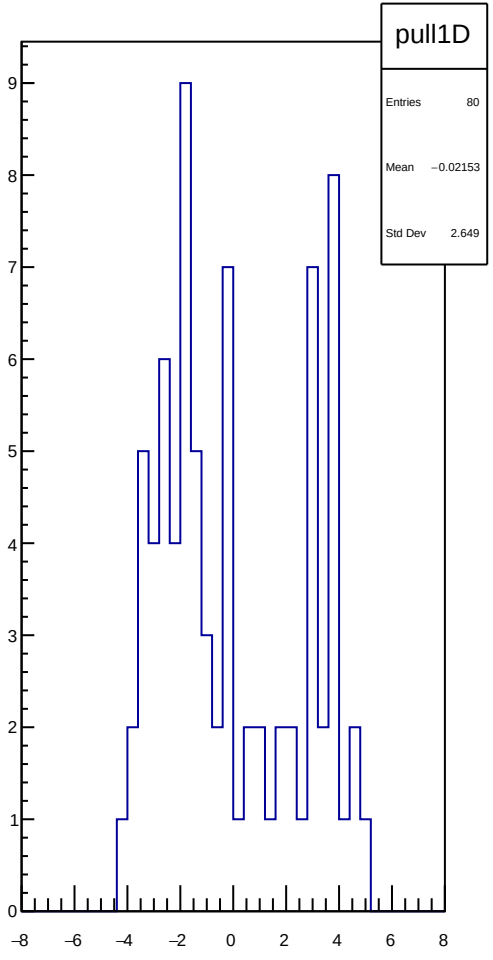

pull1D
Entries 80
Mean 0.5504
Std Dev 4.214

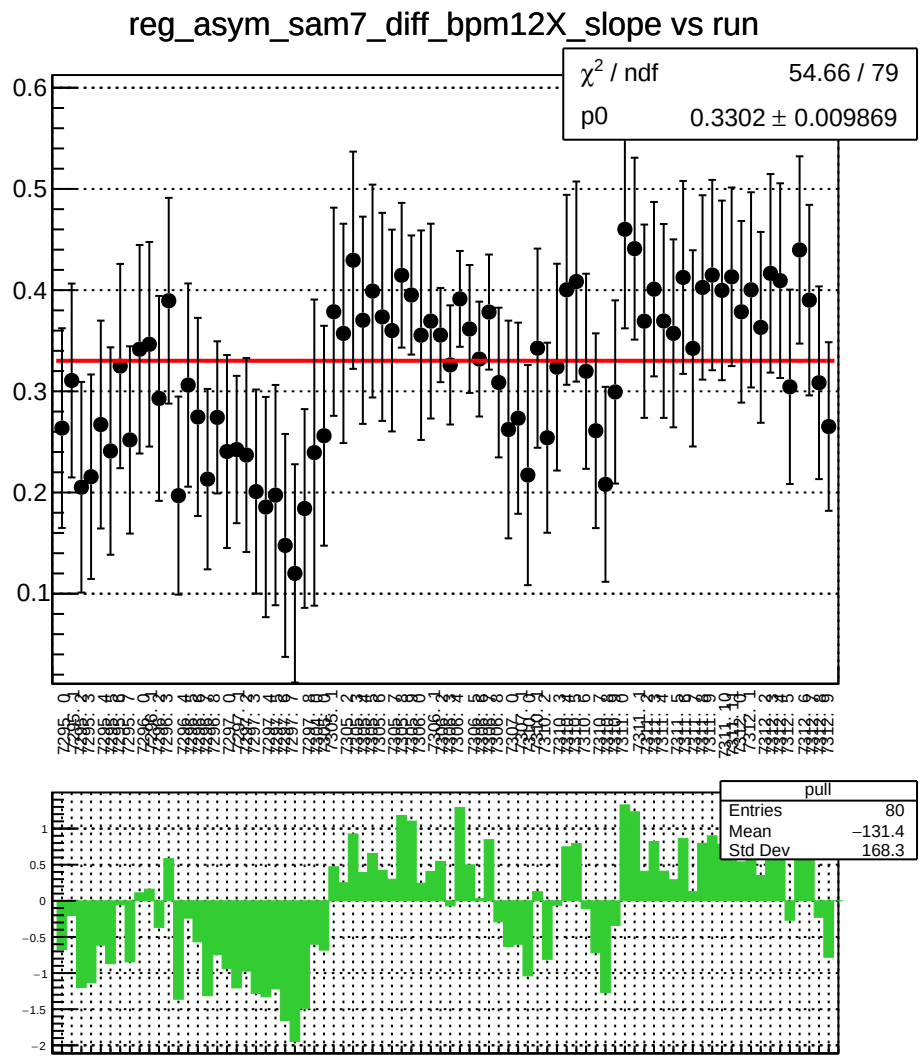

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 597.5 / 79
p0 15.32 ± 0.216
pull
Entries 80
Mean −772.3
Std Dev 814

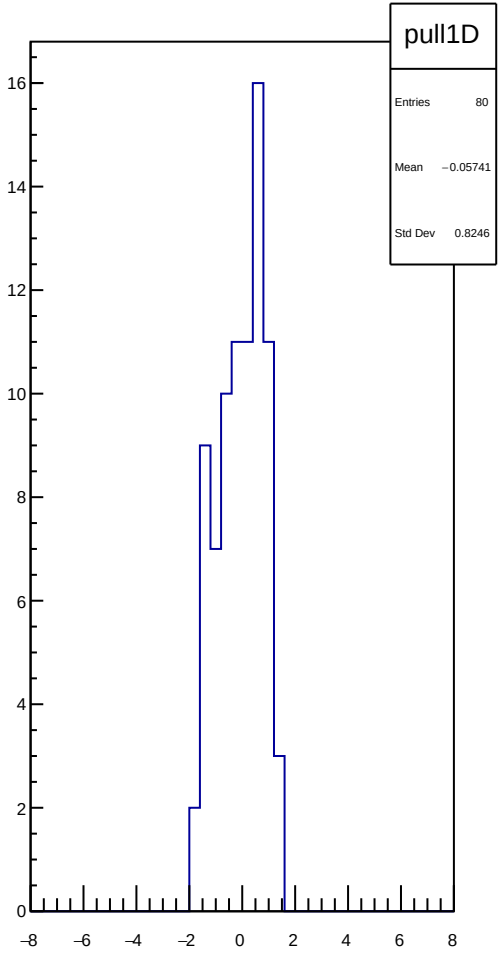

pull1D
Entries 80
Mean 0.06668
Std Dev 2.732

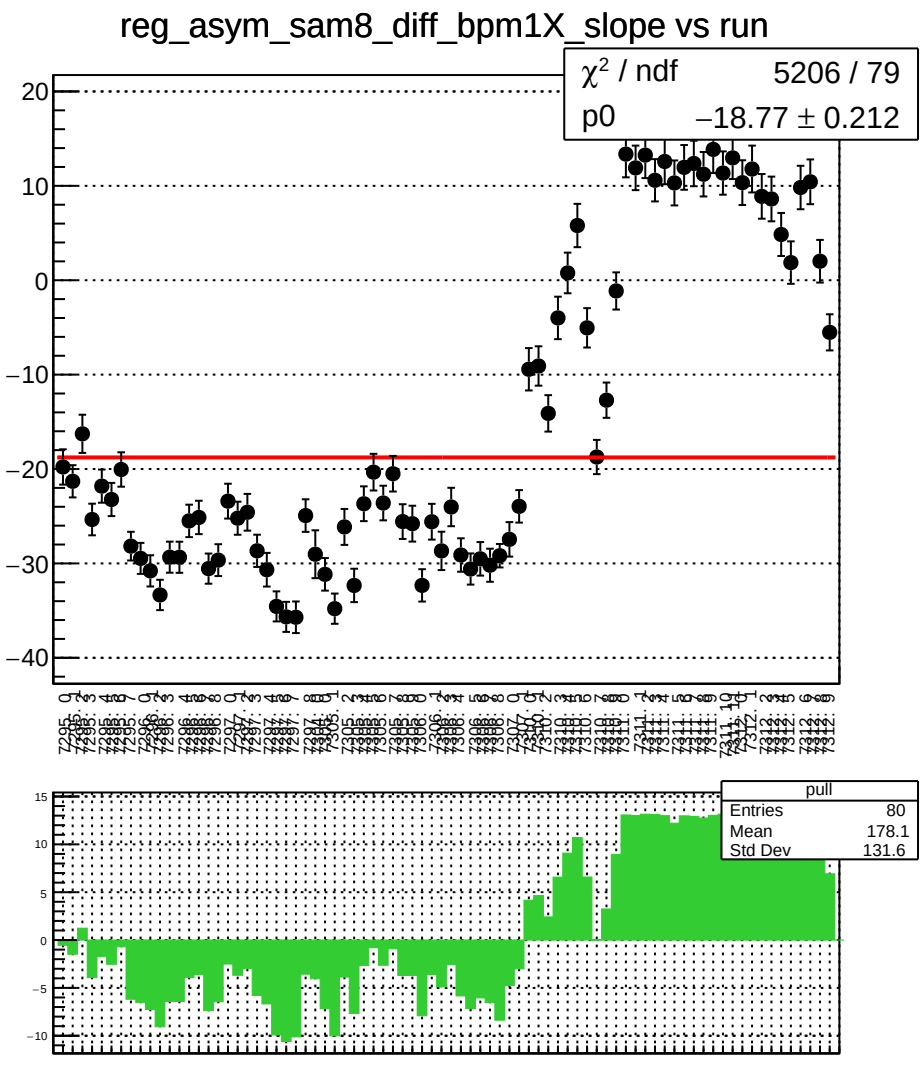

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1143 / 79
p0 −34.33 ± 0.2327
pull
Entries 80
Mean 175.8
Std Dev 130
pull1D
Entries 80
Mean −0.5119
Std Dev 3.744

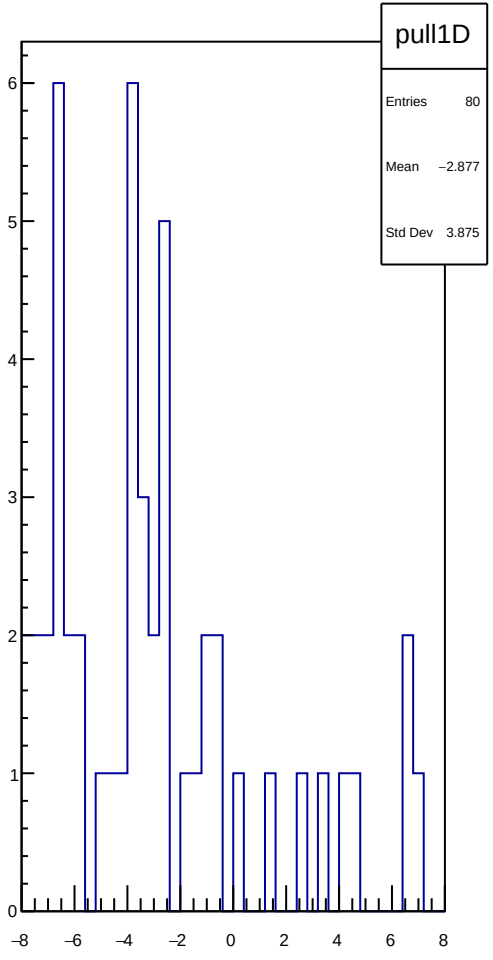

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 561.3 / 79
p0 −22.36 ± 0.2321
pull
Entries 80
Mean −2386
Std Dev 2428

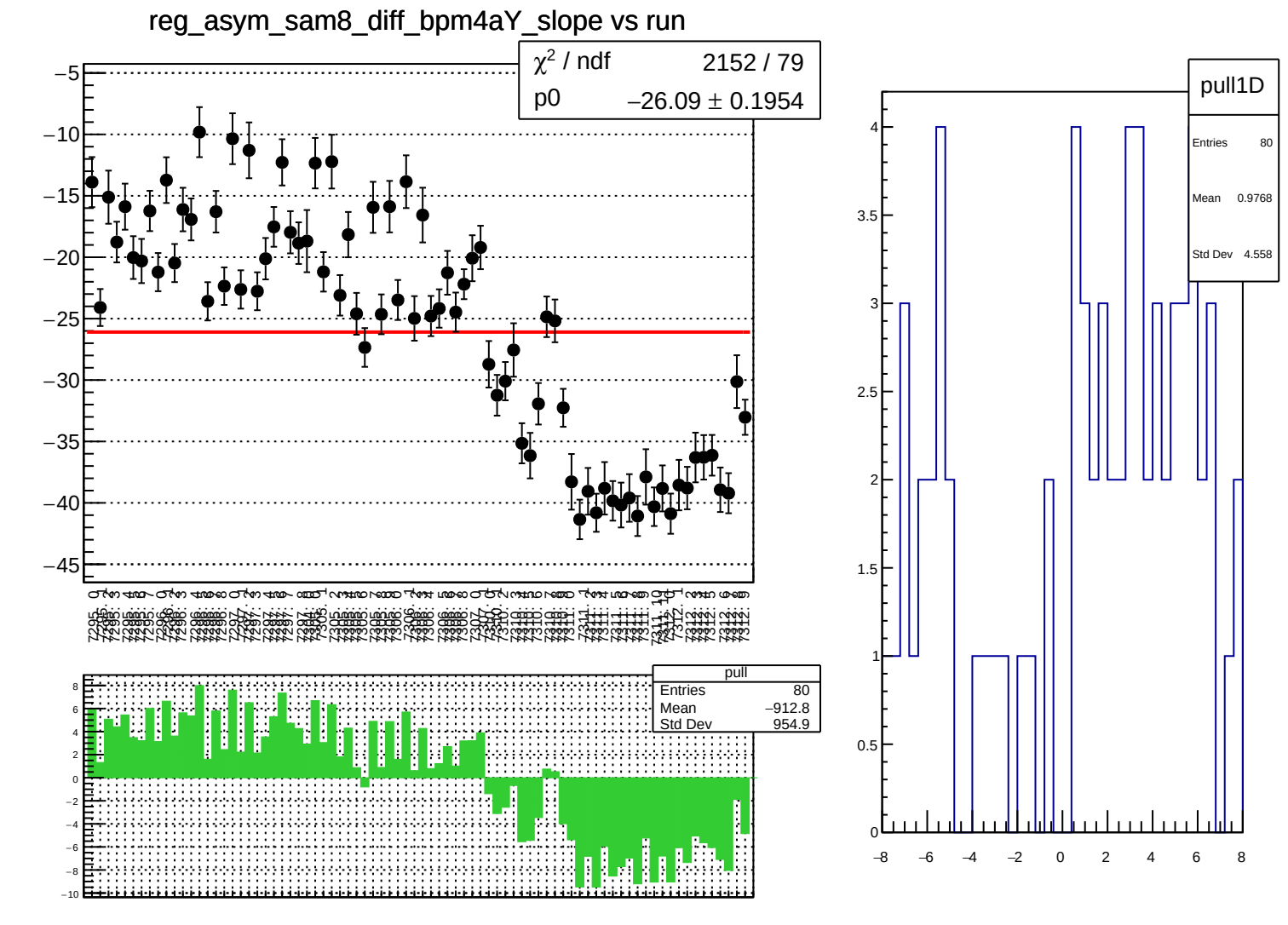

pull1D
Entries 80
Mean −0.02153
Std Dev 2.649

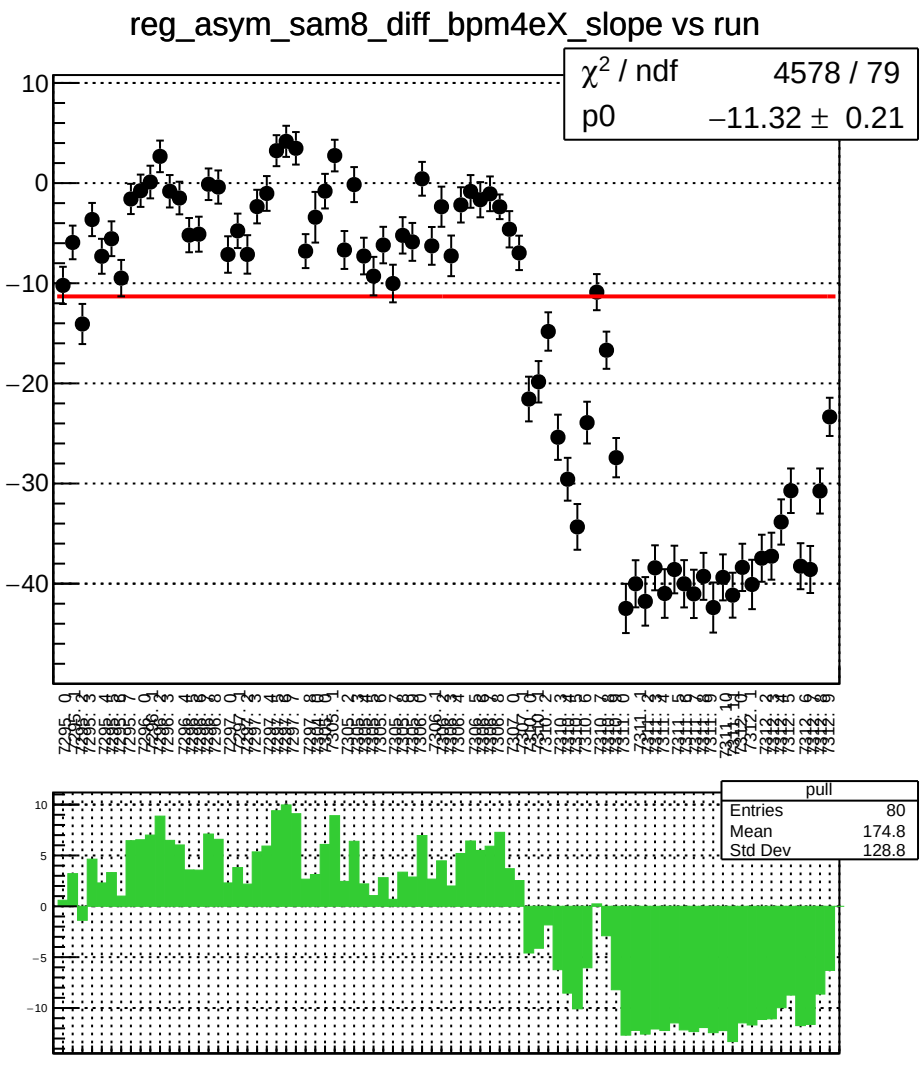

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 54.66 / 79
p0 0.3302 ± 0.009869
pull
Entries 80
Mean −131.4
Std Dev 168.3

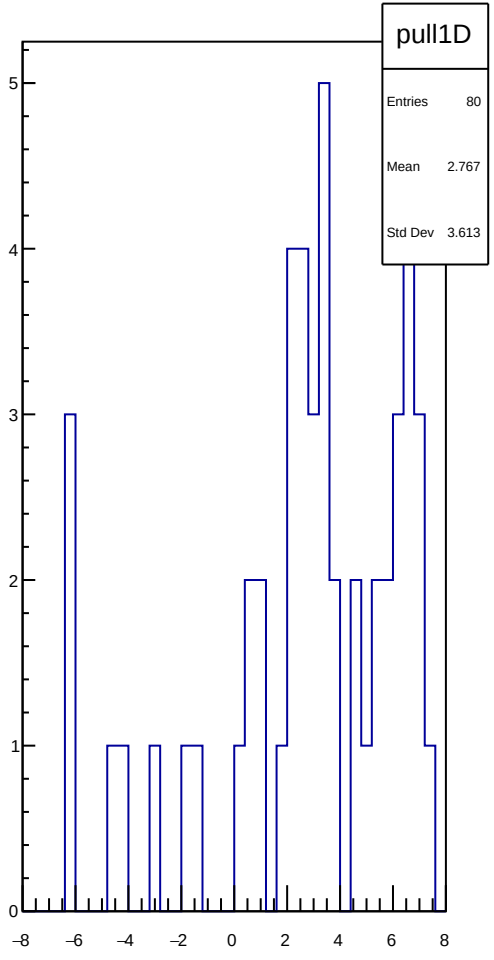

pull1D
Entries 80
Mean −0.05741
Std Dev 0.8246

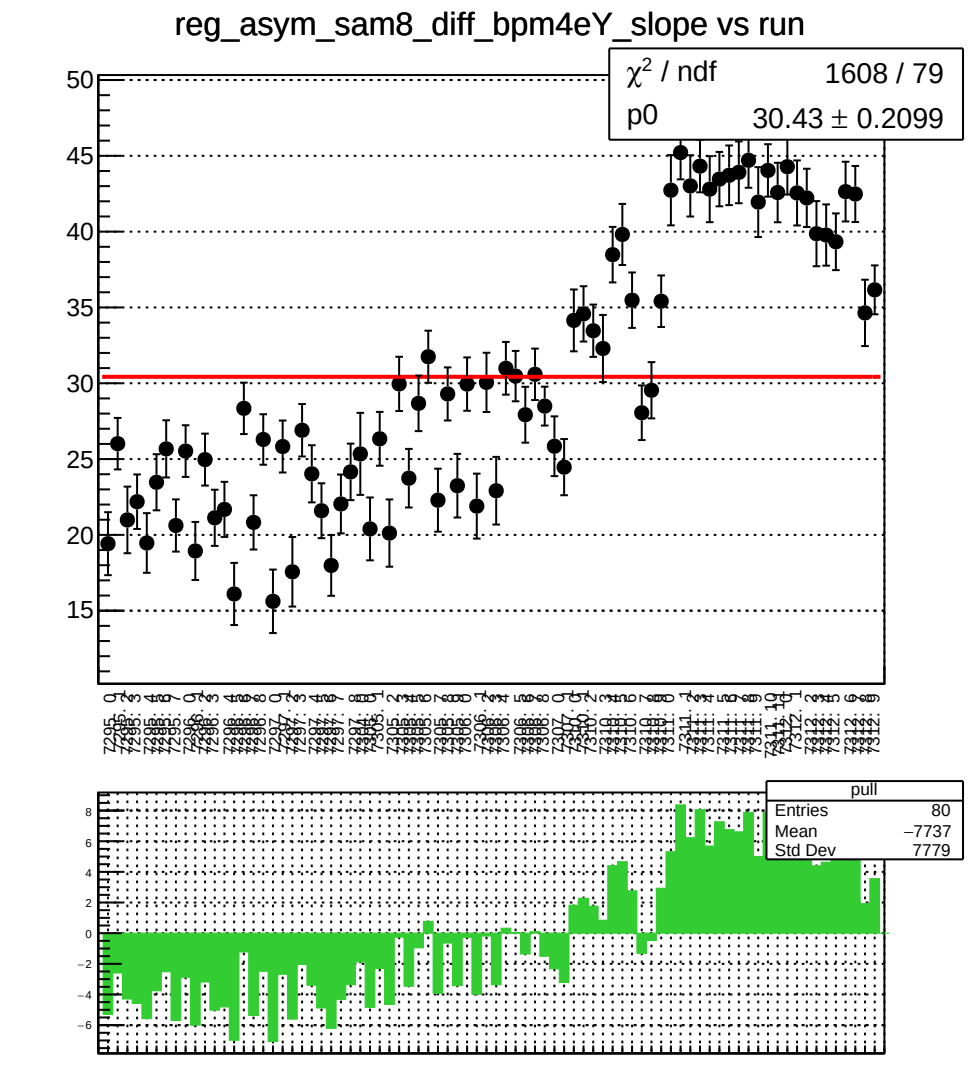

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5206 / 79
p0 −18.77 ± 0.212
pull
Entries 80
Mean 178.1
Std Dev 131.6

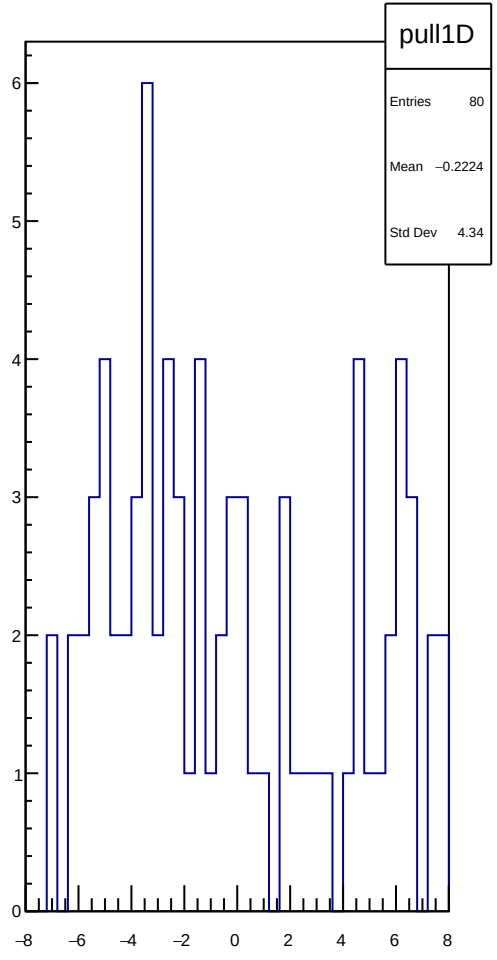

pull1D
Entries 80
Mean −2.877
Std Dev 3.875

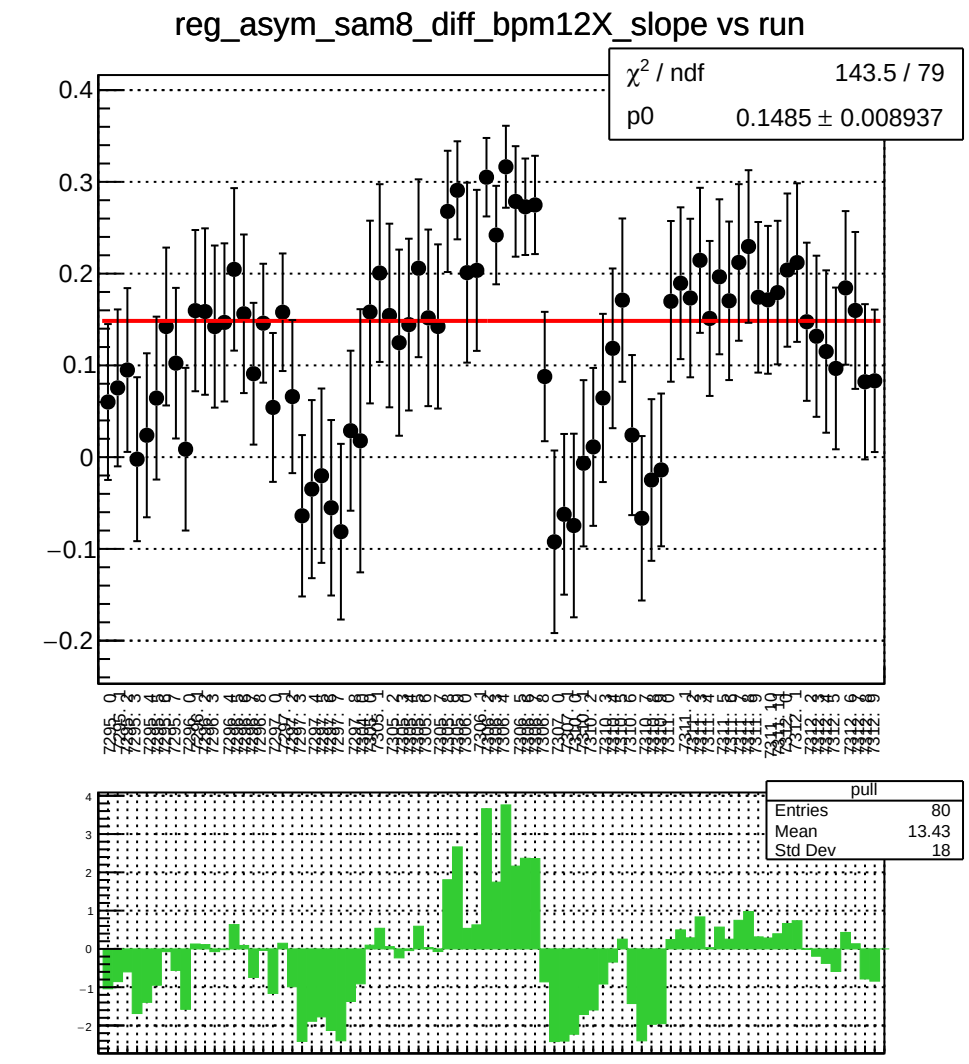

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 2152 / 79
p0 −26.09 ± 0.1954
pull
Entries 80
Mean −912.8
Std Dev 954.9
pull1D
Entries 80
Mean 0.9768
Std Dev 4.558

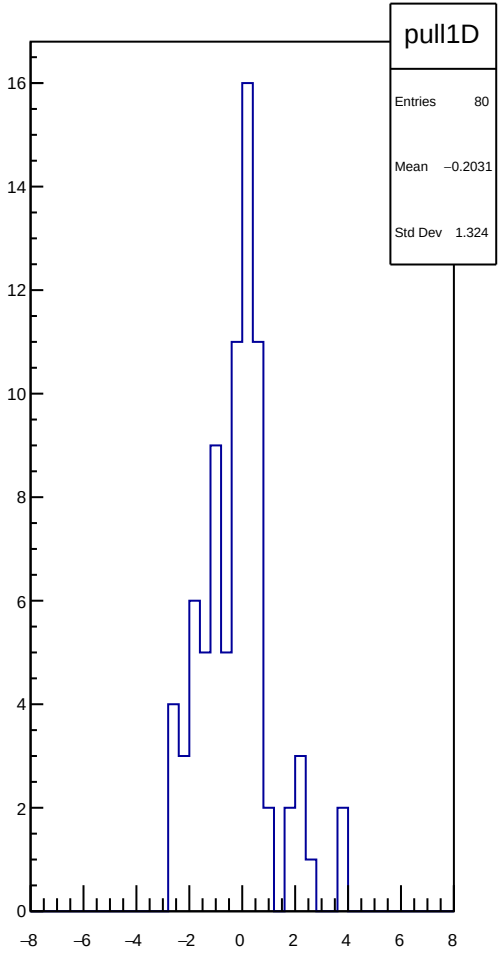

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 4578 / 79
p0 −11.32 ± 0.21
pull
Entries 80
Mean 174.8
Std Dev 128.8

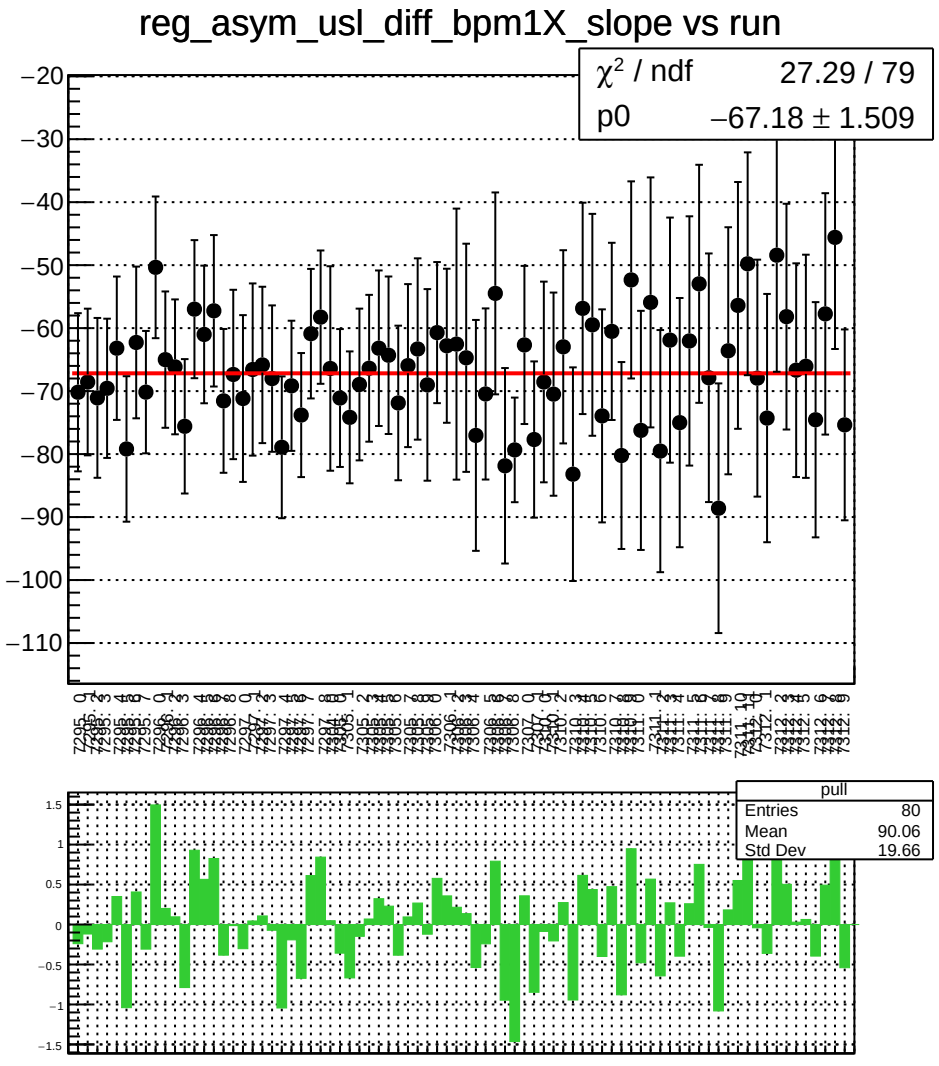

pull1D
Entries 80
Mean 2.767
Std Dev 3.613

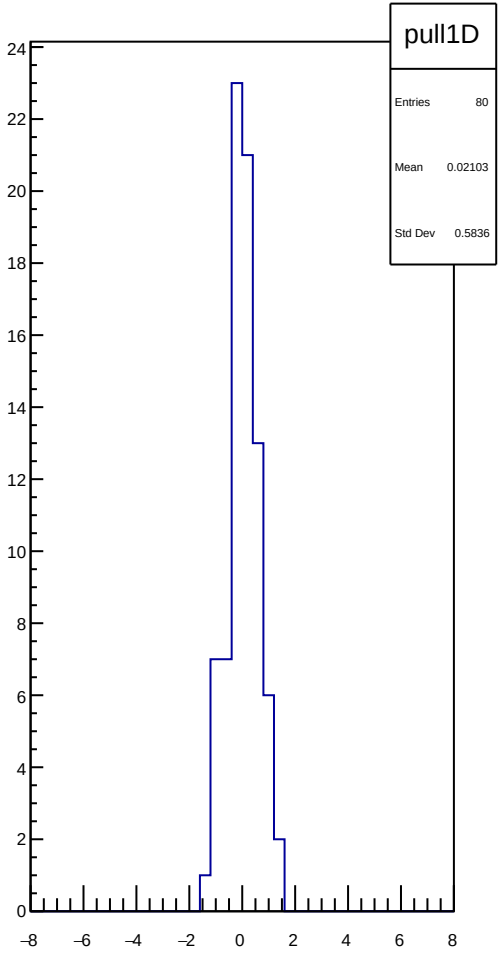

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1608 / 79
p0 30.43 ± 0.2099
pull
Entries 80
Mean −7737
Std Dev 7779

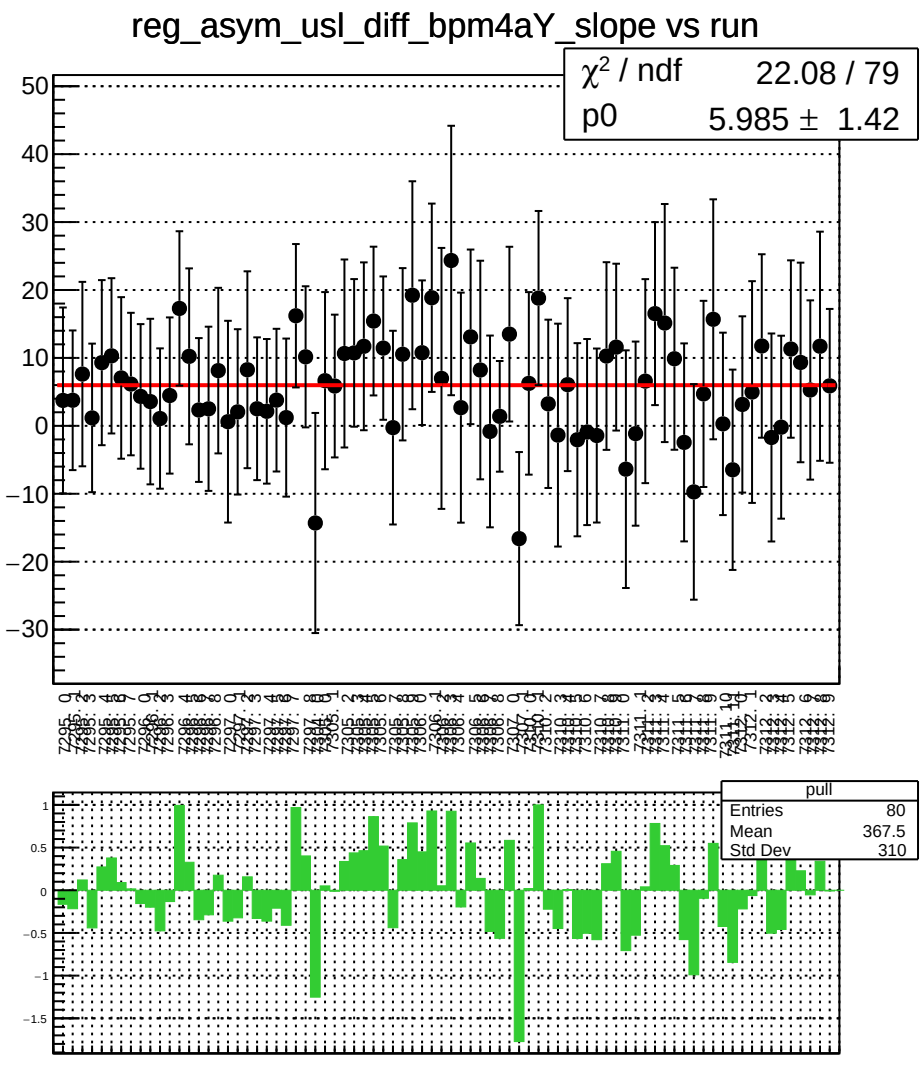

pull1D
Entries 80
Mean −0.2224
Std Dev 4.34

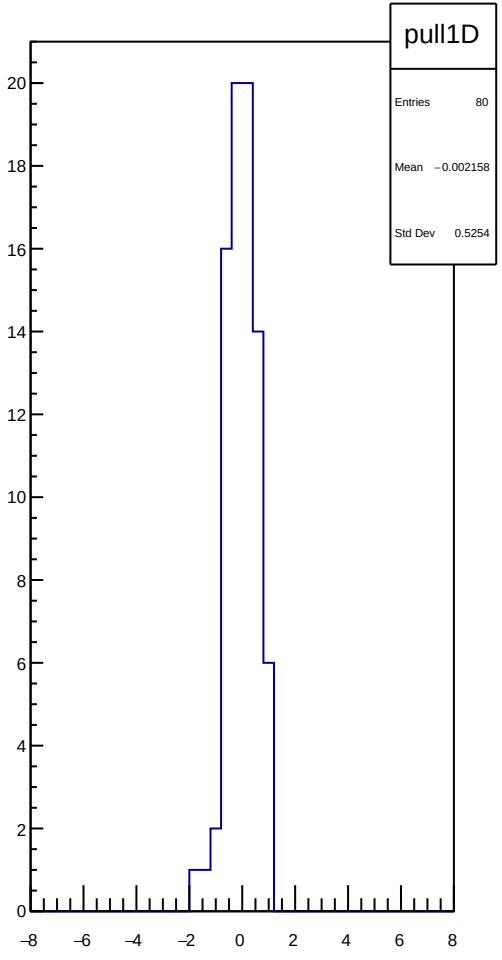

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 143.5 / 79
p0 0.1485 ± 0.008937
pull
Entries 80
Mean 13.43
Std Dev 18

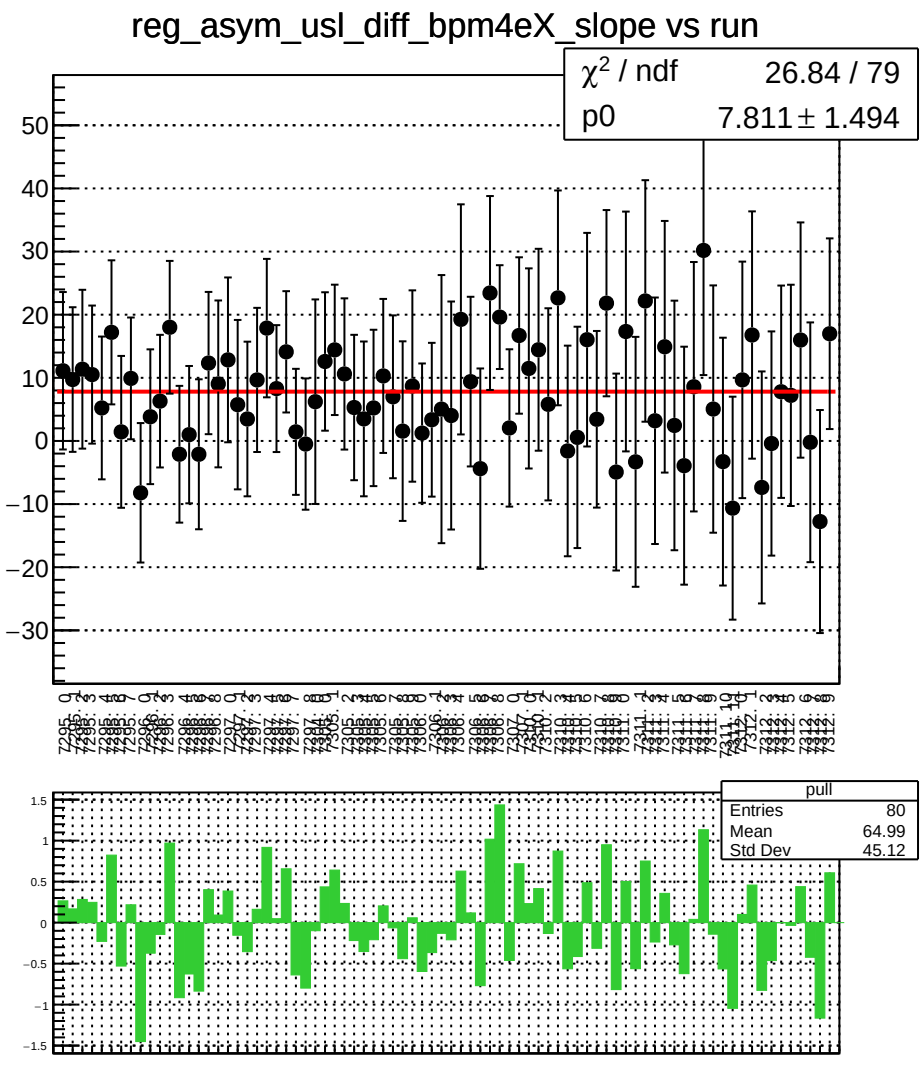

pull1D
Entries 80
Mean −0.2031
Std Dev 1.324

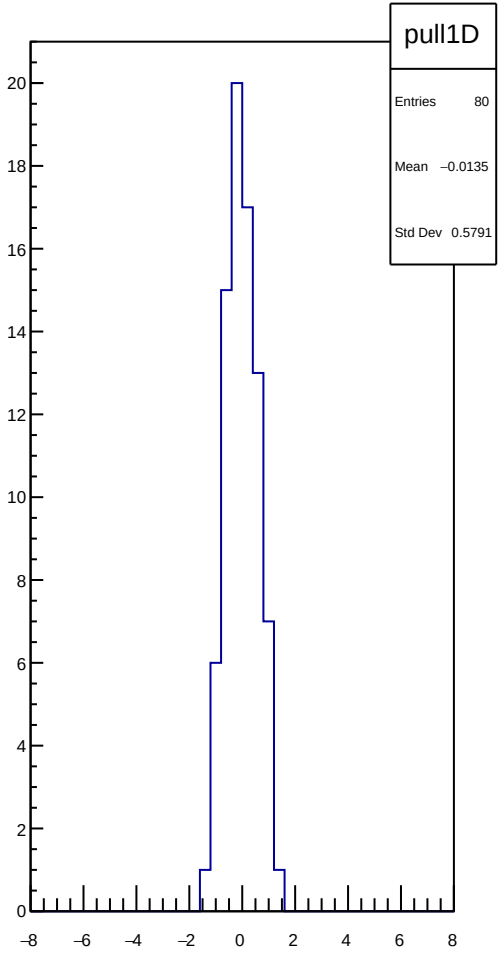

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 27.29 / 79
p0 −67.18 ± 1.509
pull
Entries 80
Mean 90.06
Std Dev 19.66

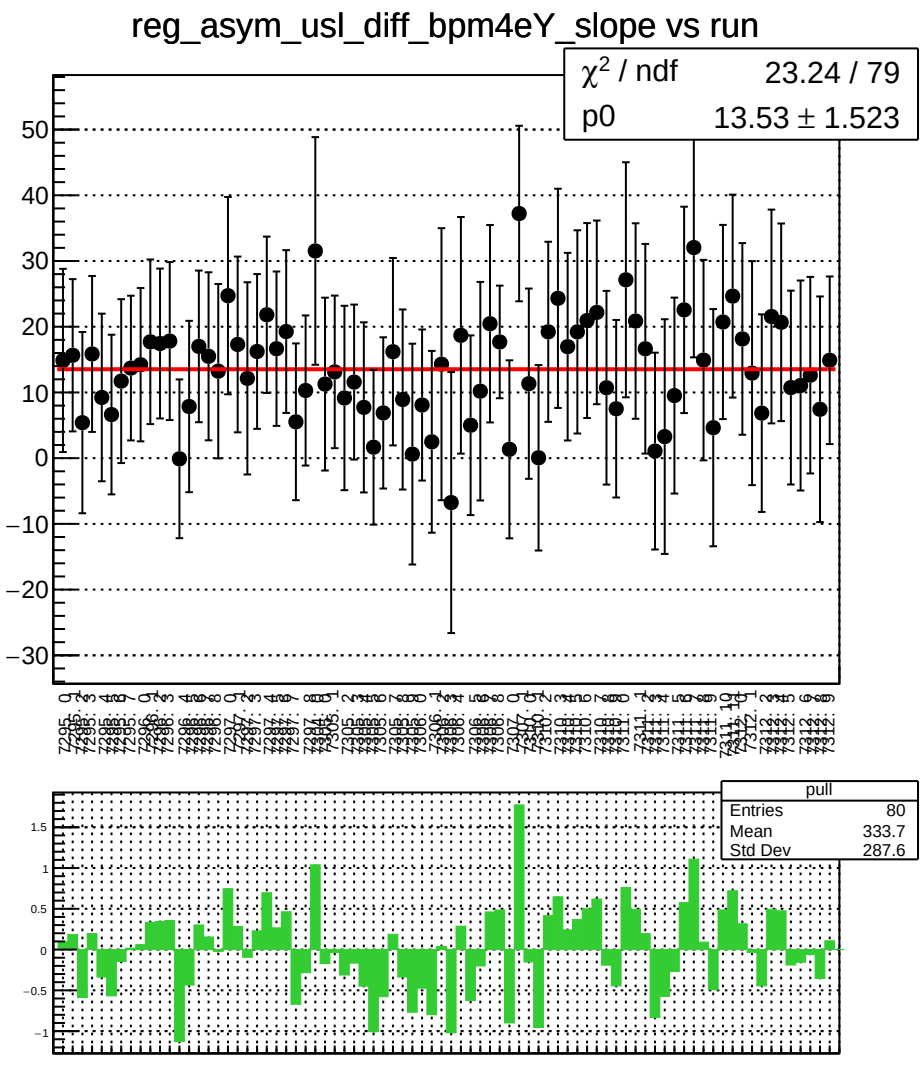

pull1D
Entries 80
Mean 0.02103
Std Dev 0.5836

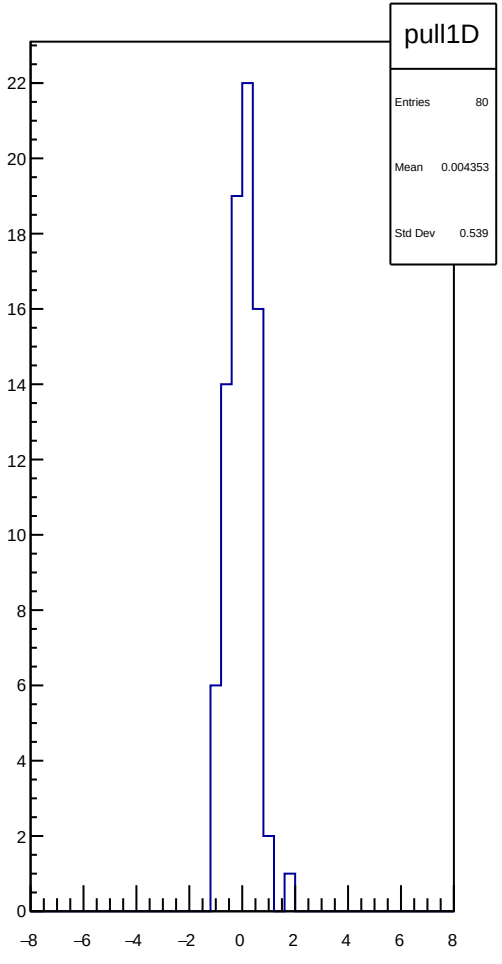

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.08 / 79
p0 5.985 ± 1.42
pull
Entries 80
Mean 367.5
Std Dev 310

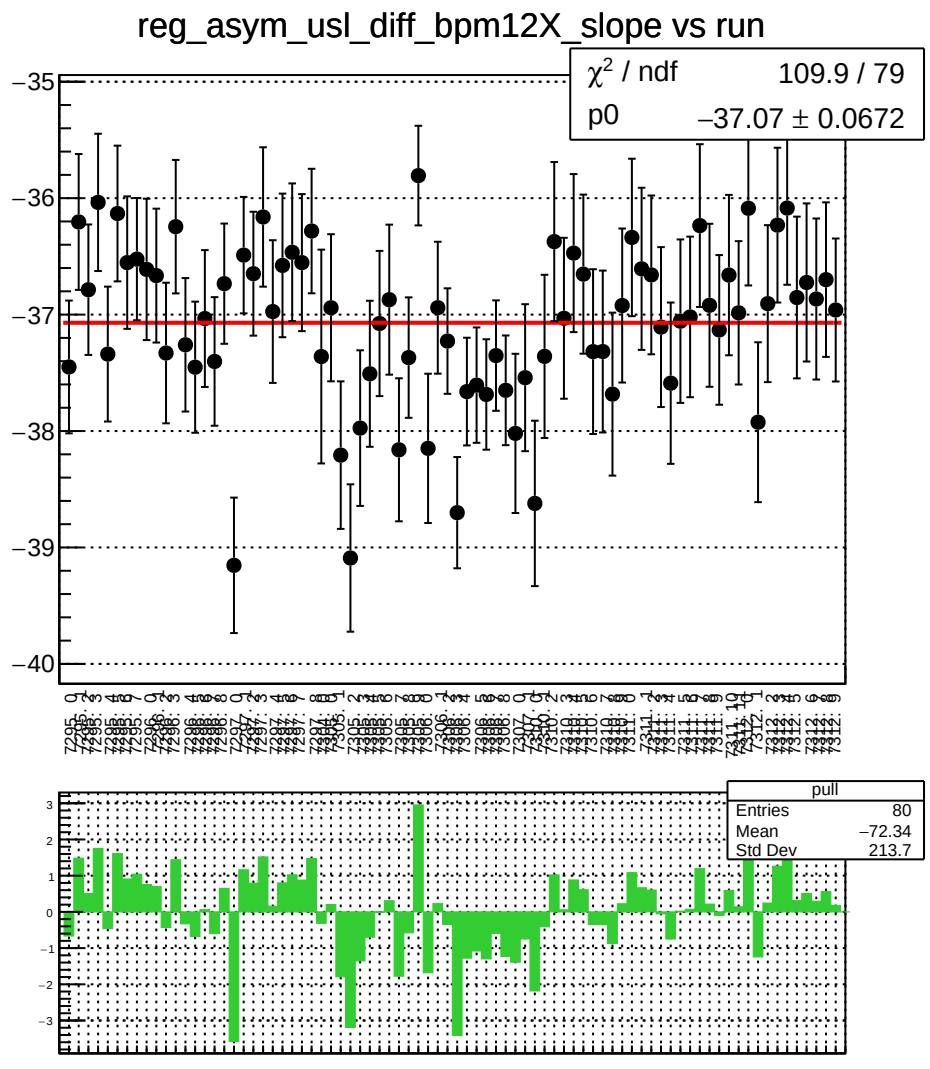

pull1D
Entries 80
Mean −0.002158
Std Dev 0.5254

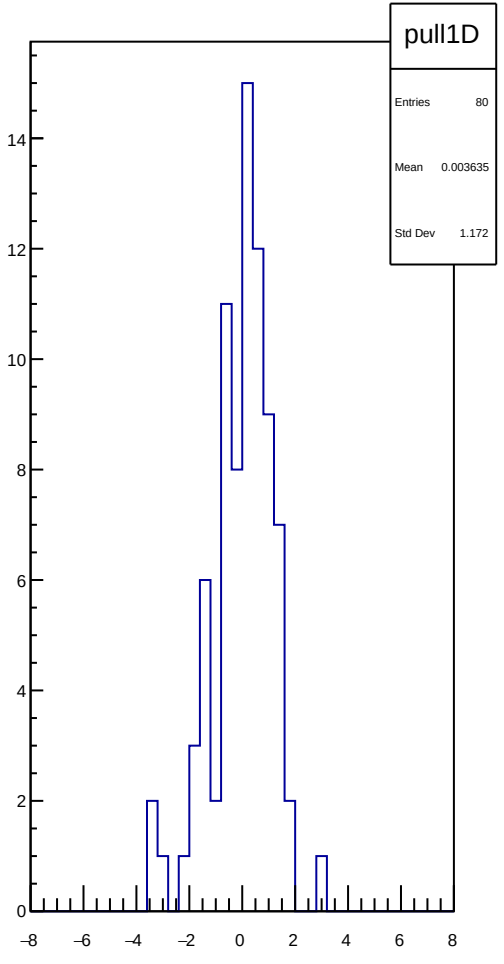

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 26.84 / 79
p0 7.811 ± 1.494
pull
Entries 80
Mean 64.99
Std Dev 45.12

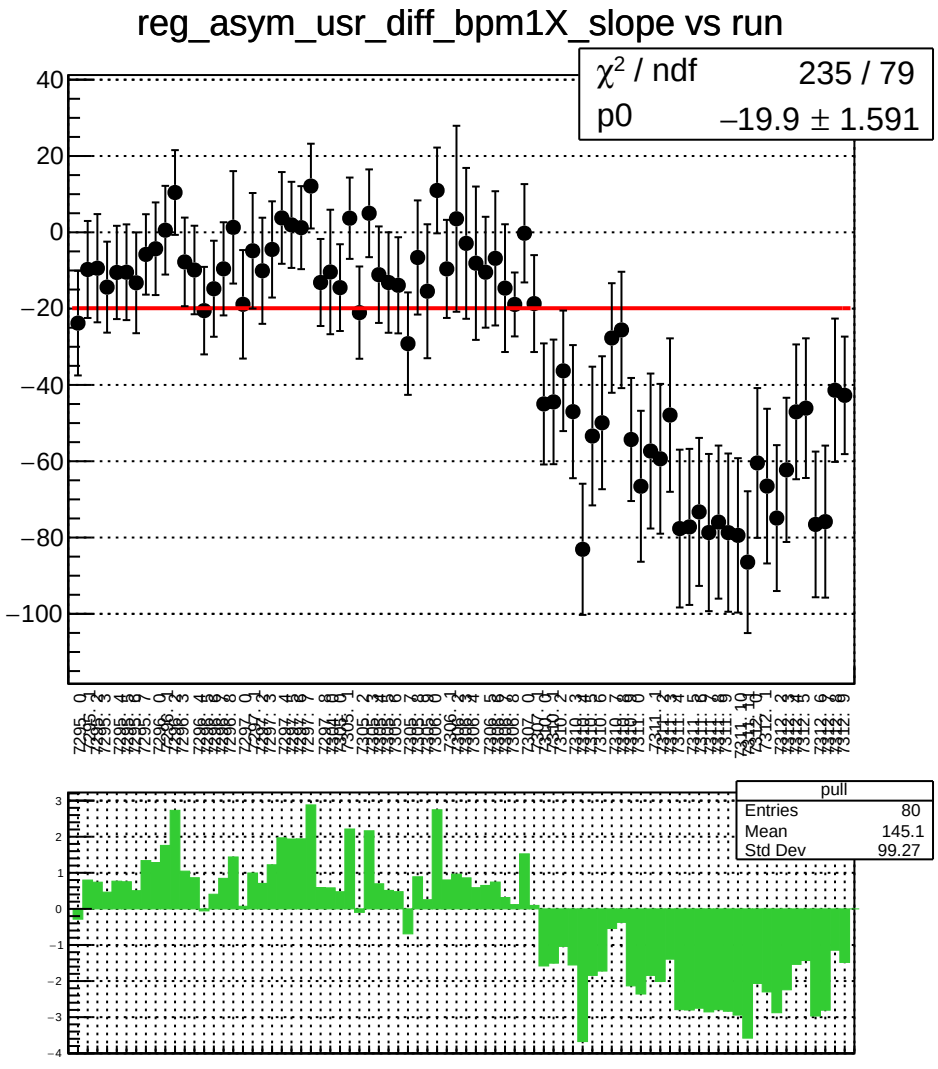

pull1D
Entries 80
Mean −0.0135
Std Dev 0.5791

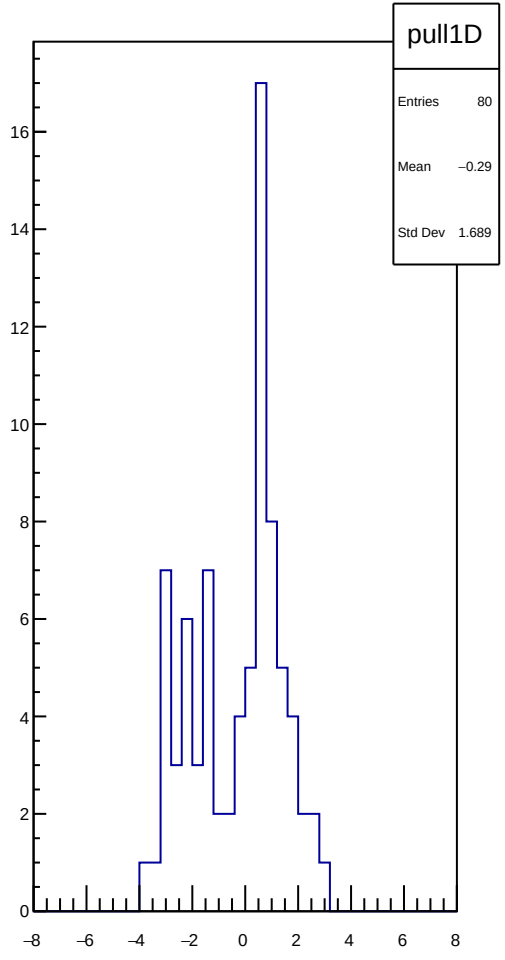

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 23.24 / 79
p0 13.53 ± 1.523
pull
Entries 80
Mean 333.7
Std Dev 287.6

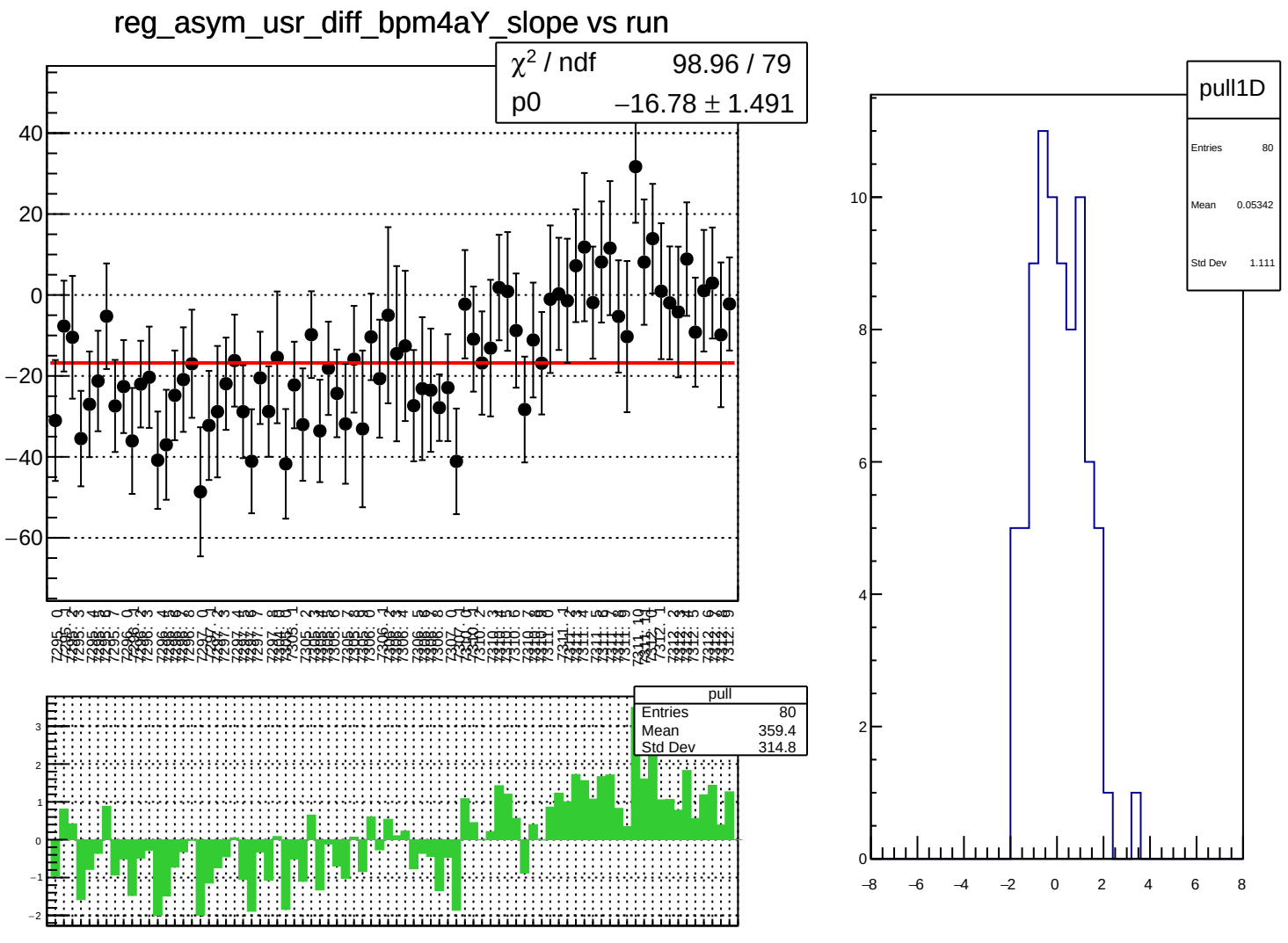

pull1D
Entries 80
Mean 0.004353
Std Dev 0.539

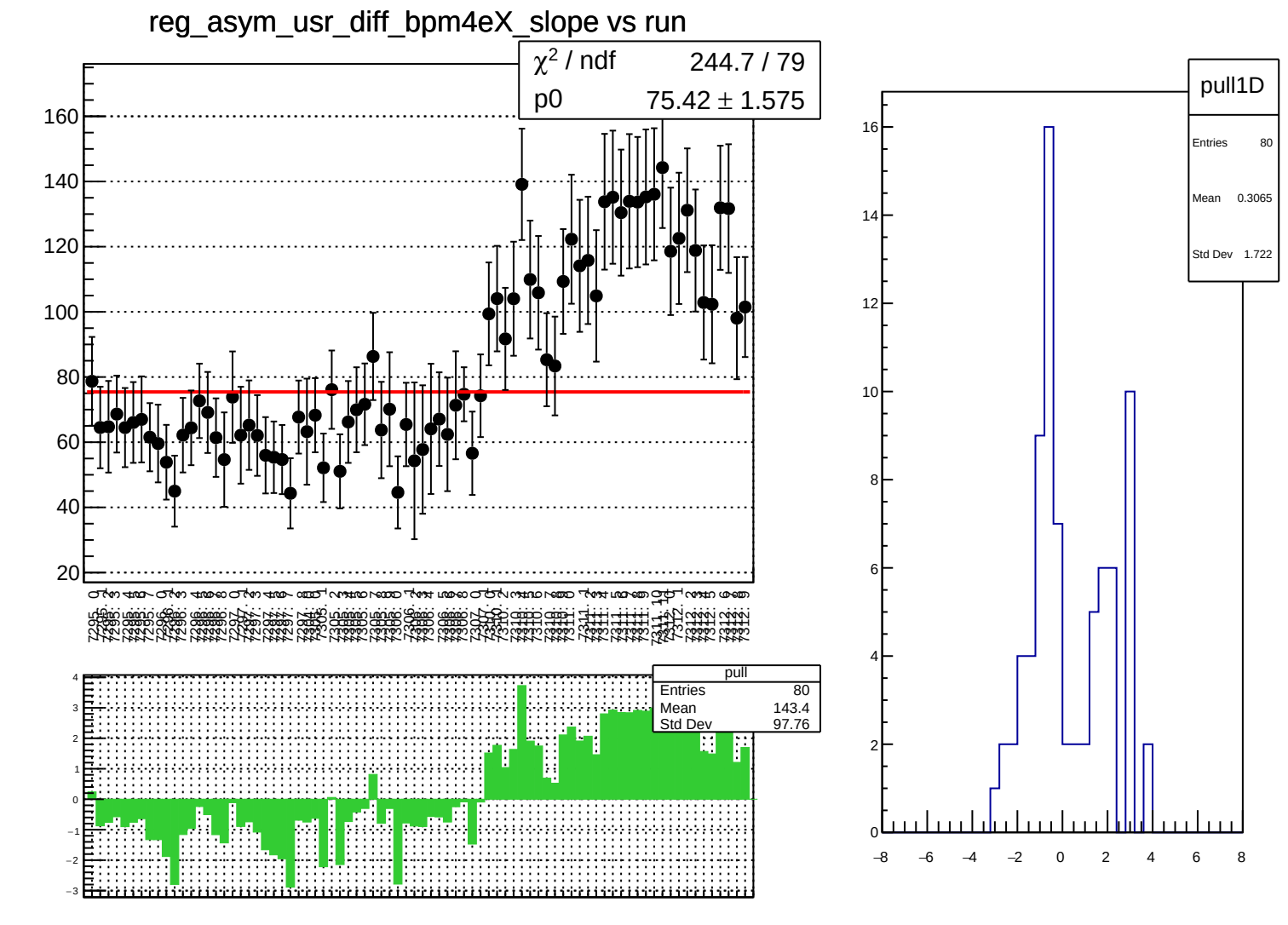

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 79
p0 −37.07 ± 0.0672
pull
Entries 80
Mean −72.34
Std Dev 213.7

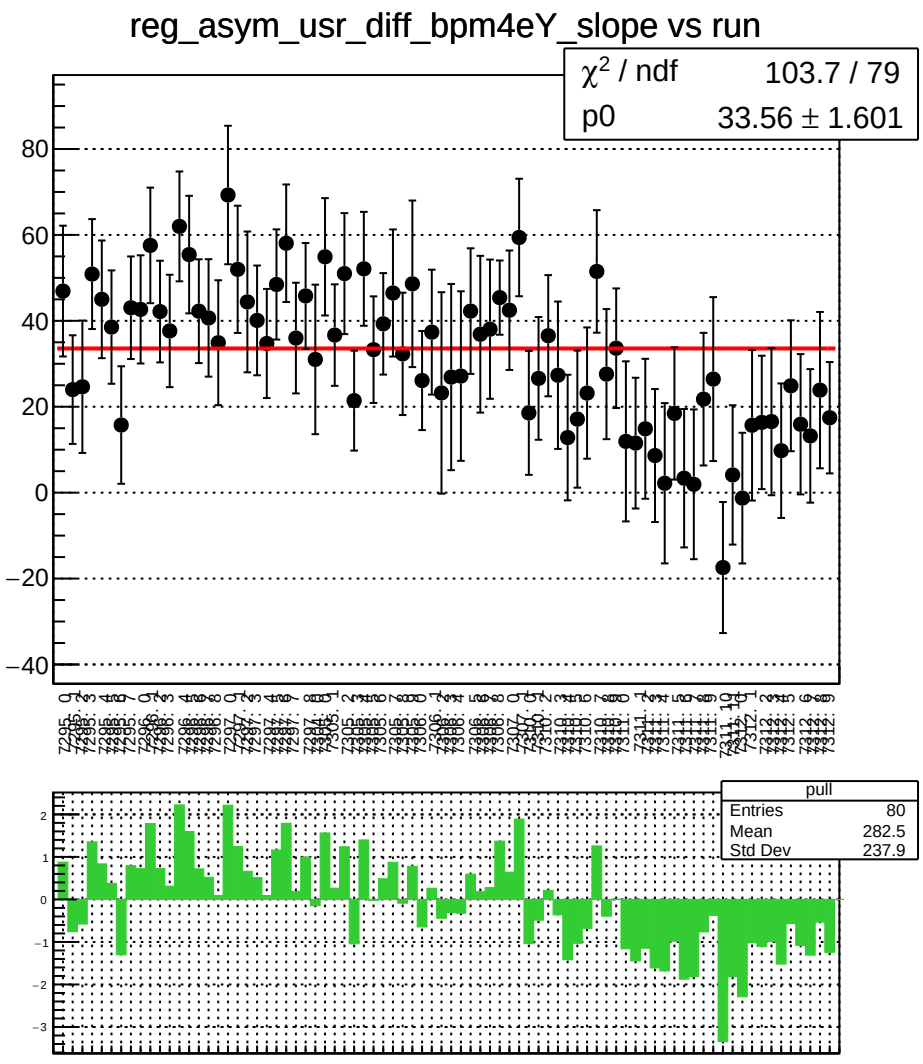

pull1D
Entries 80
Mean 0.003635
Std Dev 1.172

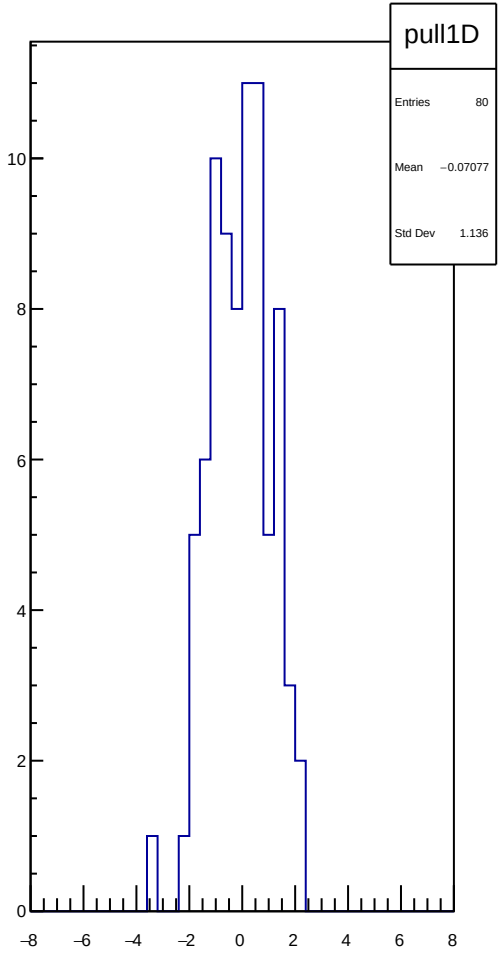

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 235 / 79
p0 −19.9 ± 1.591
pull
Entries 80
Mean 145.1
Std Dev 99.27

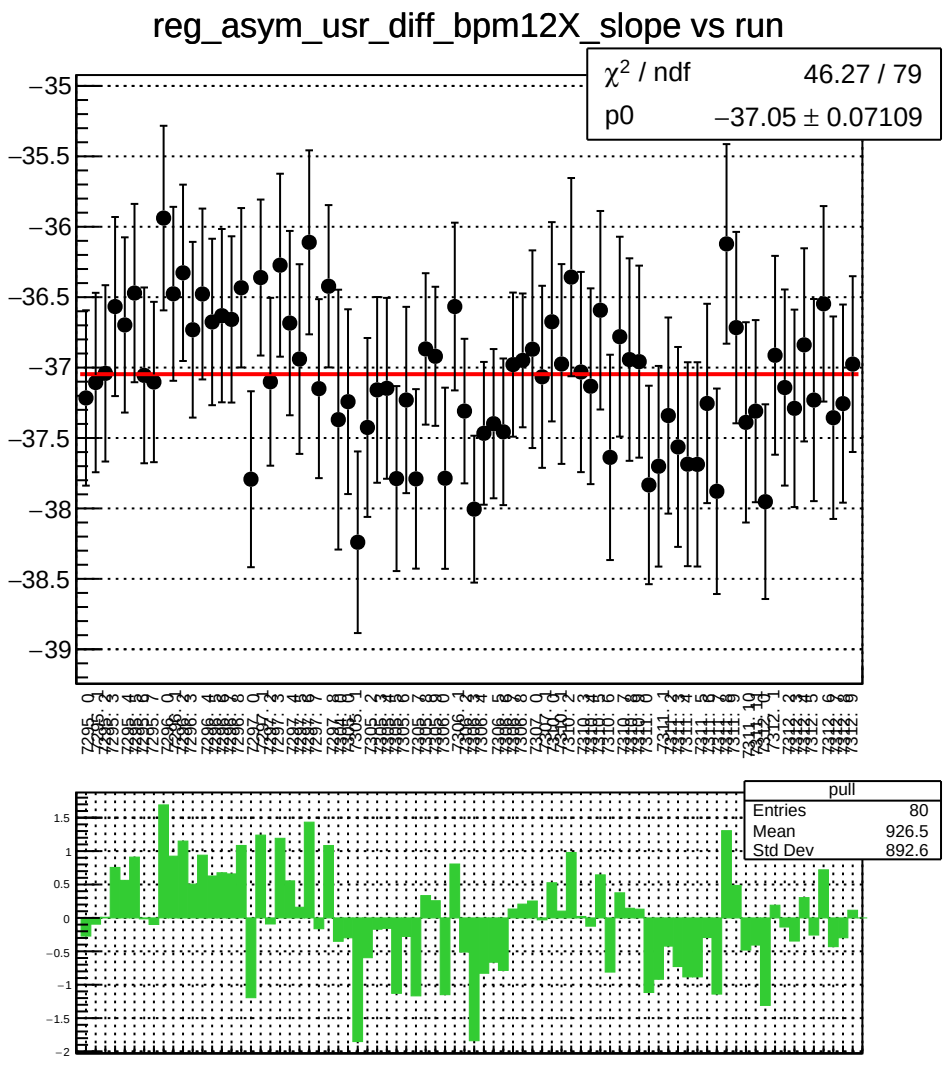

pull1D
Entries 80
Mean −0.29
Std Dev 1.689

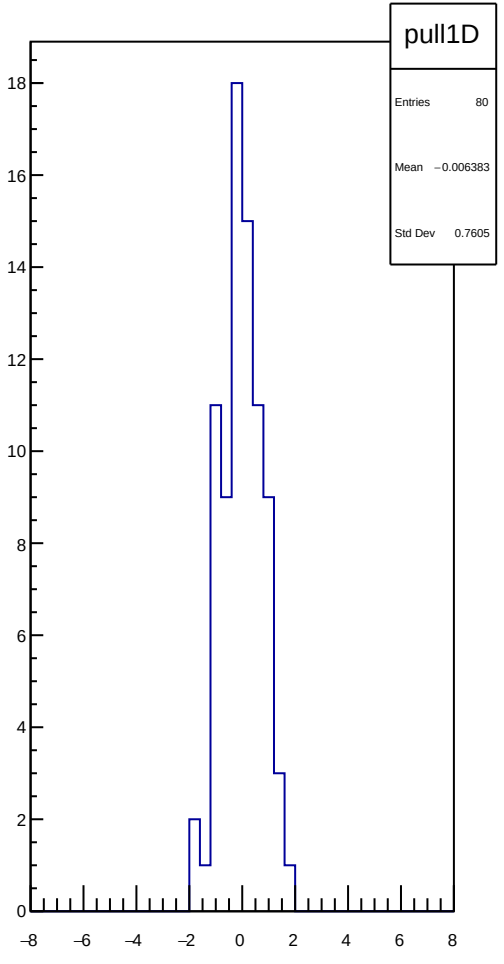

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 98.96 / 79
p0 −16.78 ± 1.491
pull
Entries 80
Mean 359.4
Std Dev 314.8
pull1D
Entries 80
Mean 0.05342
Std Dev 1.111

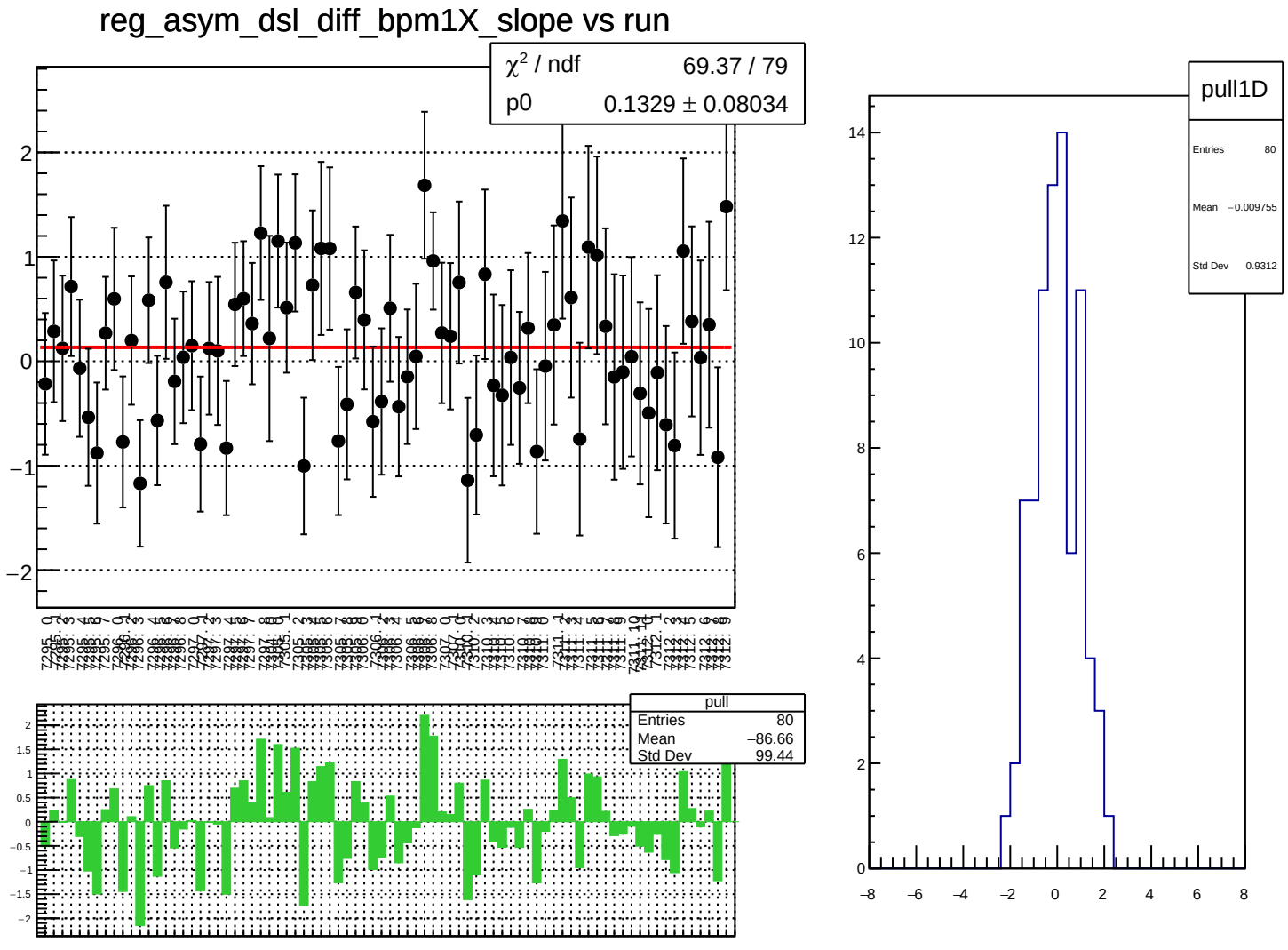

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 244.7 / 79
p0 75.42 ± 1.575
pull
Entries 80
Mean 143.4
Std Dev 97.76
pull1D
Entries 80
Mean 0.3065
Std Dev 1.722

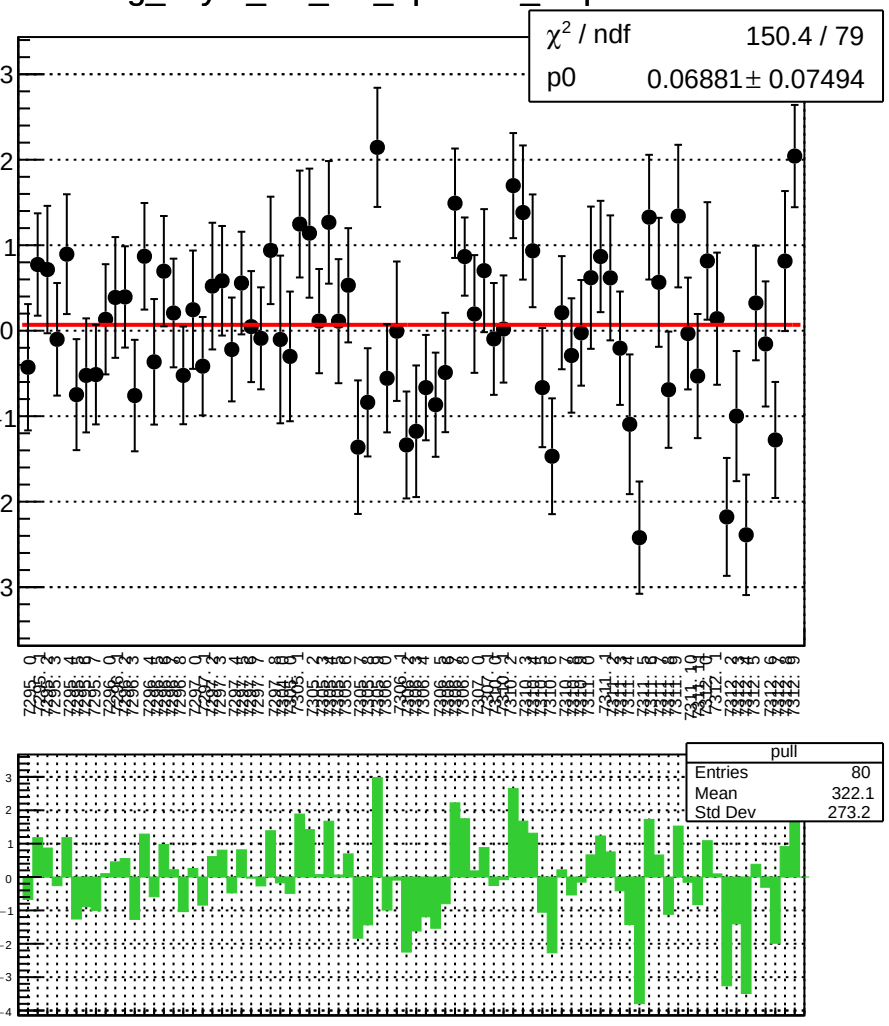

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 103.7 / 79
p0 33.56 ± 1.601
pull
Entries 80
Mean 282.5
Std Dev 237.9

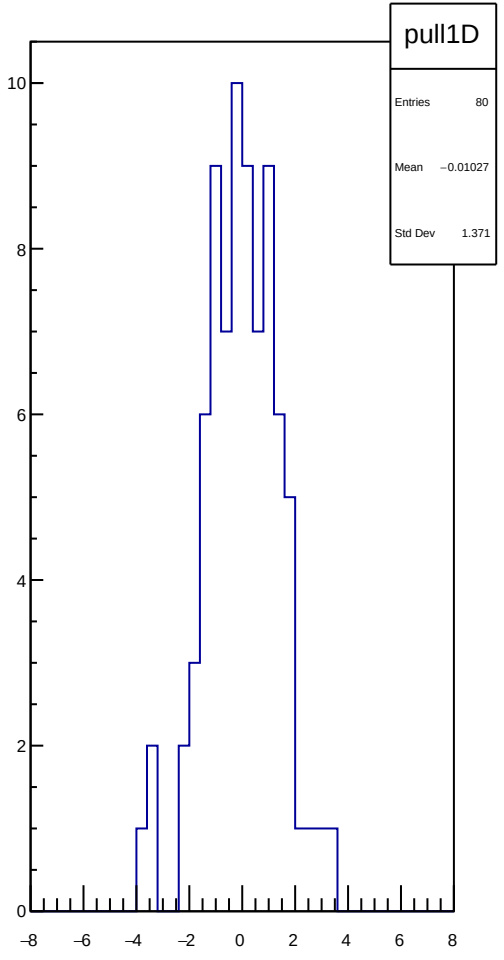

pull1D
Entries 80
Mean −0.07077
Std Dev 1.136

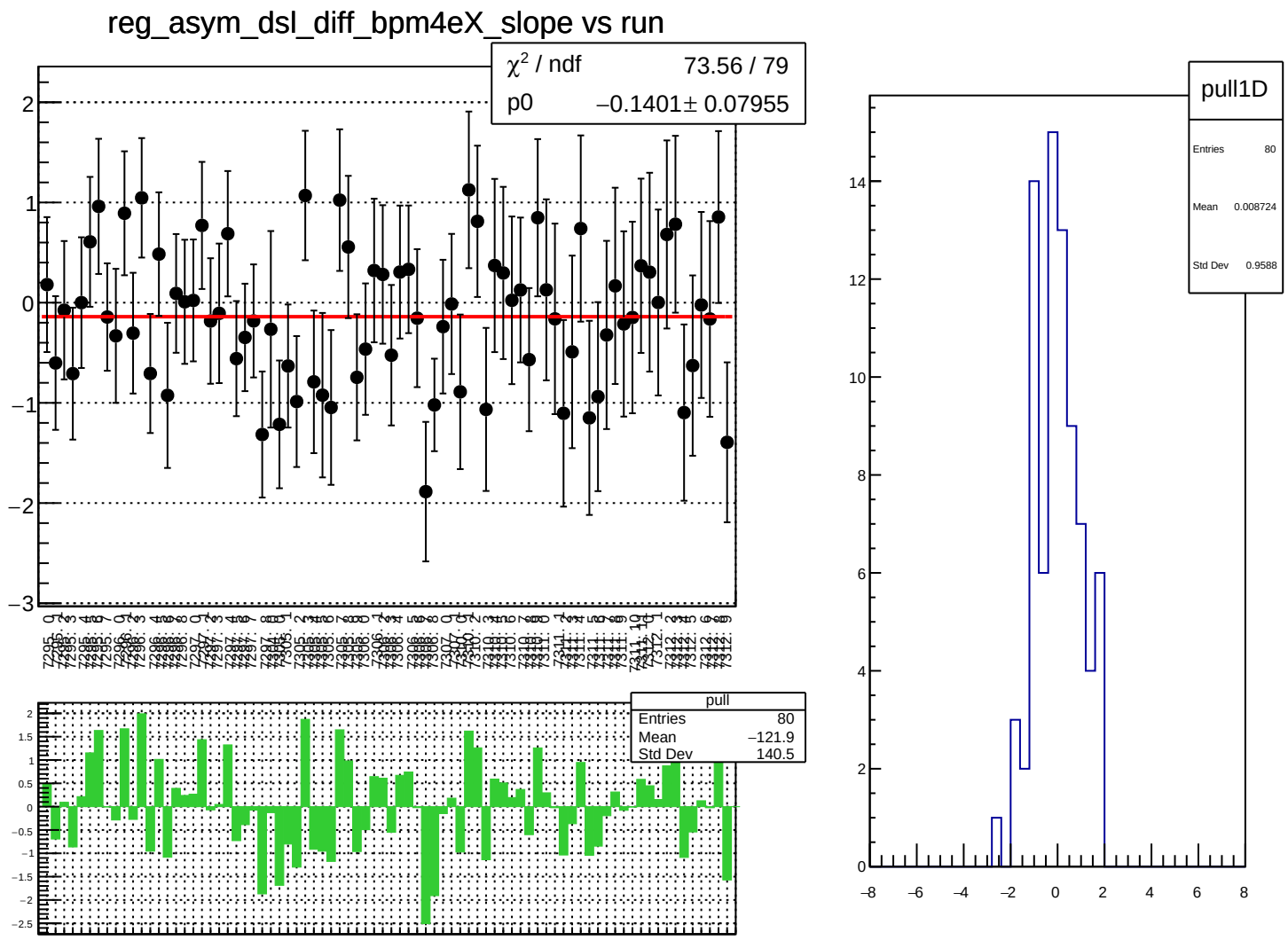

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.27 / 79
p0 −37.05 ± 0.07109
pull
Entries 80
Mean 926.5
Std Dev 892.6

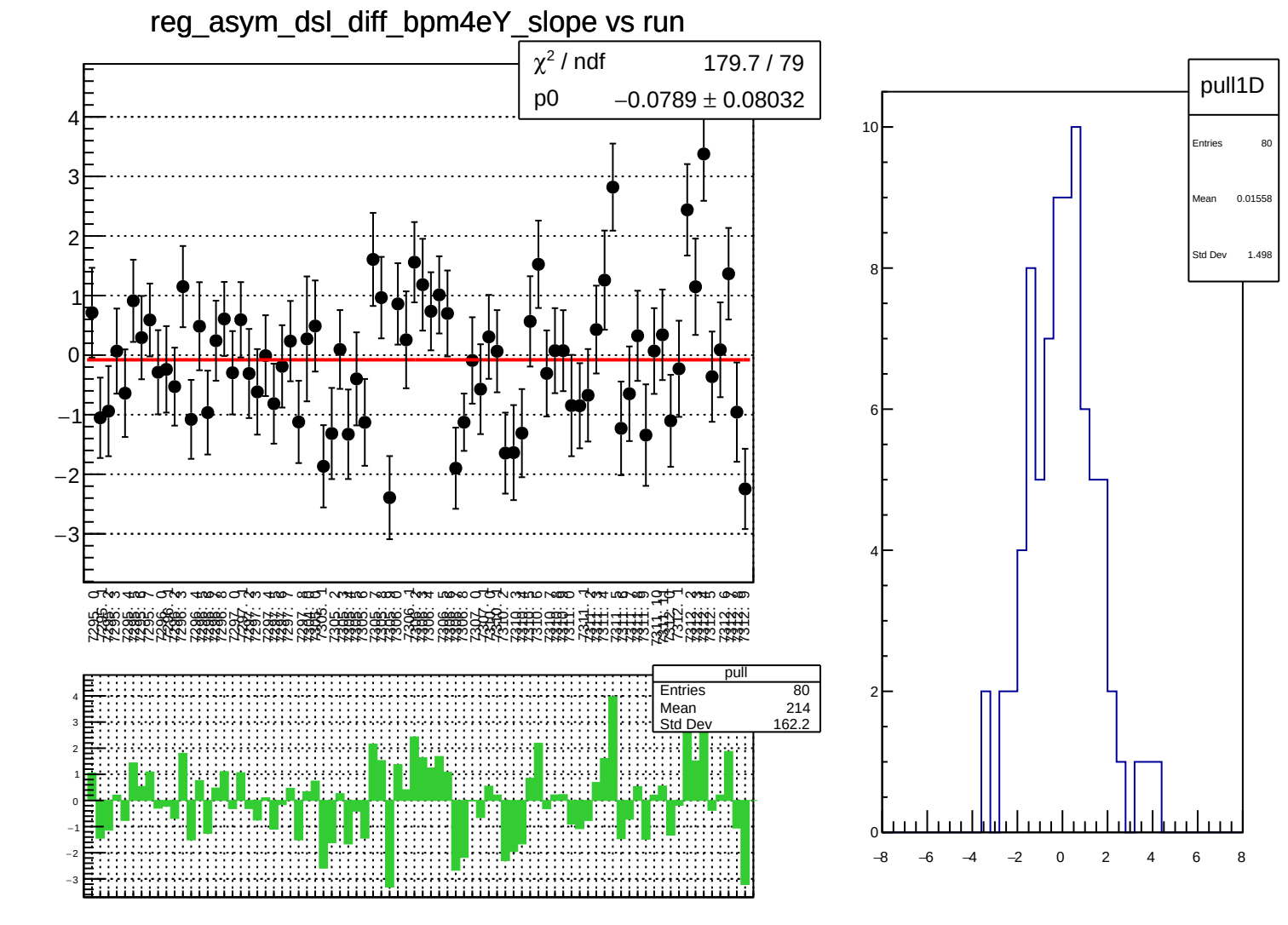

pull1D
Entries 80
Mean −0.006383
Std Dev 0.7605

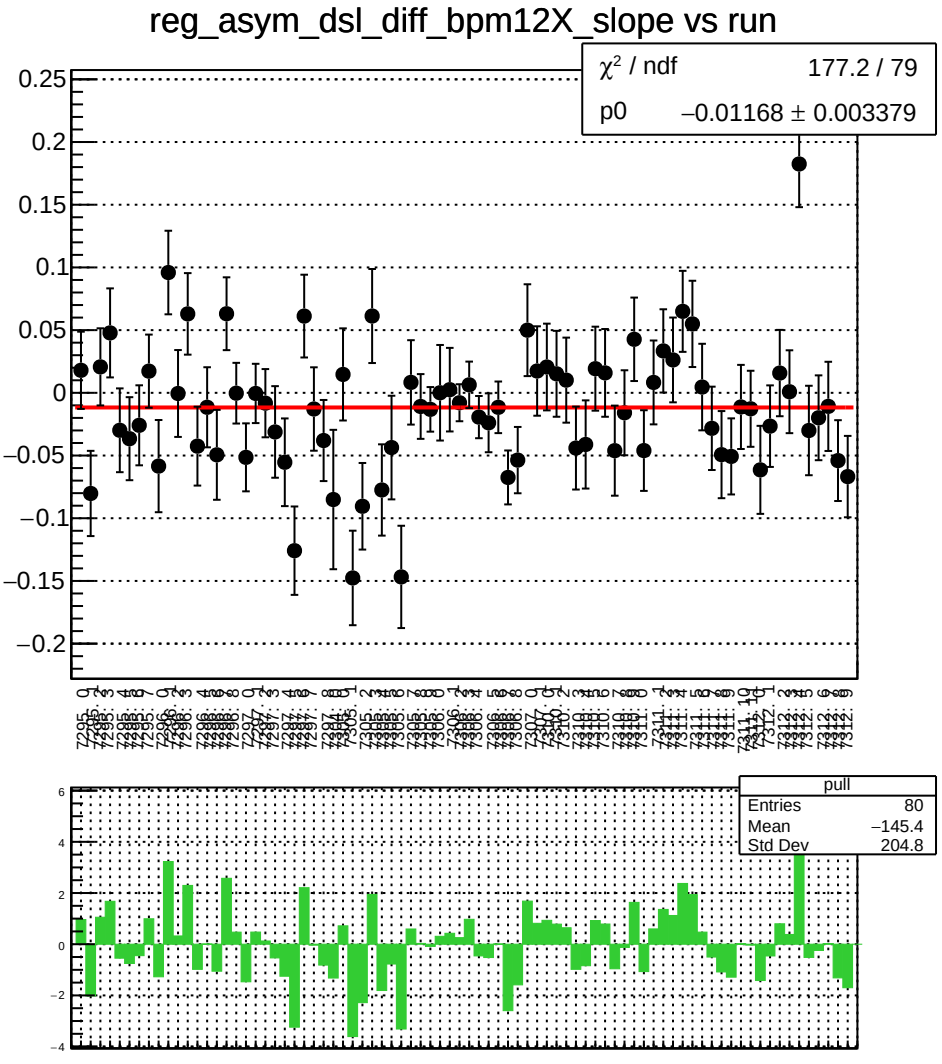

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 69.37 / 79
p0 0.1329 ± 0.08034
pull
Entries 80
Mean −86.66
Std Dev 99.44
pull1D
Entries 80
Mean −0.009755
Std Dev 0.9312

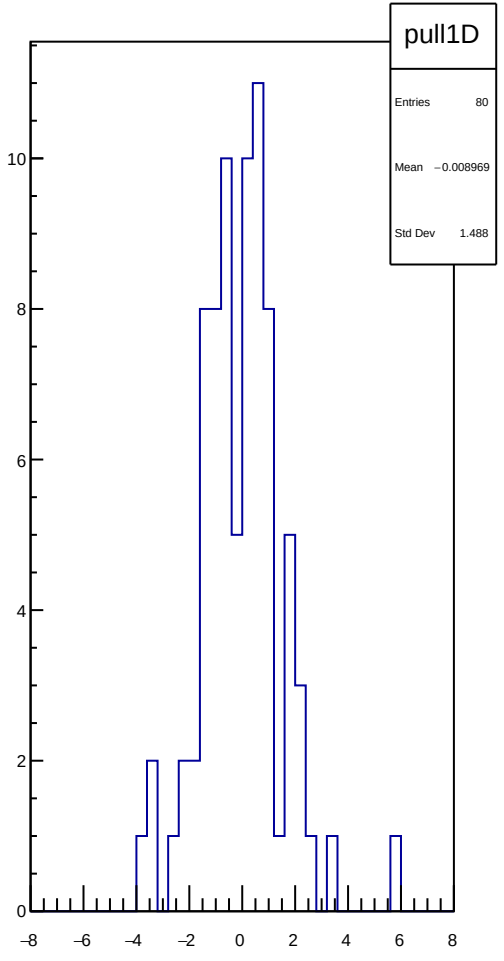

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 150.4 / 79
p0 0.06881 ± 0.07494
pull
Entries 80
Mean 322.1
Std Dev 273.2

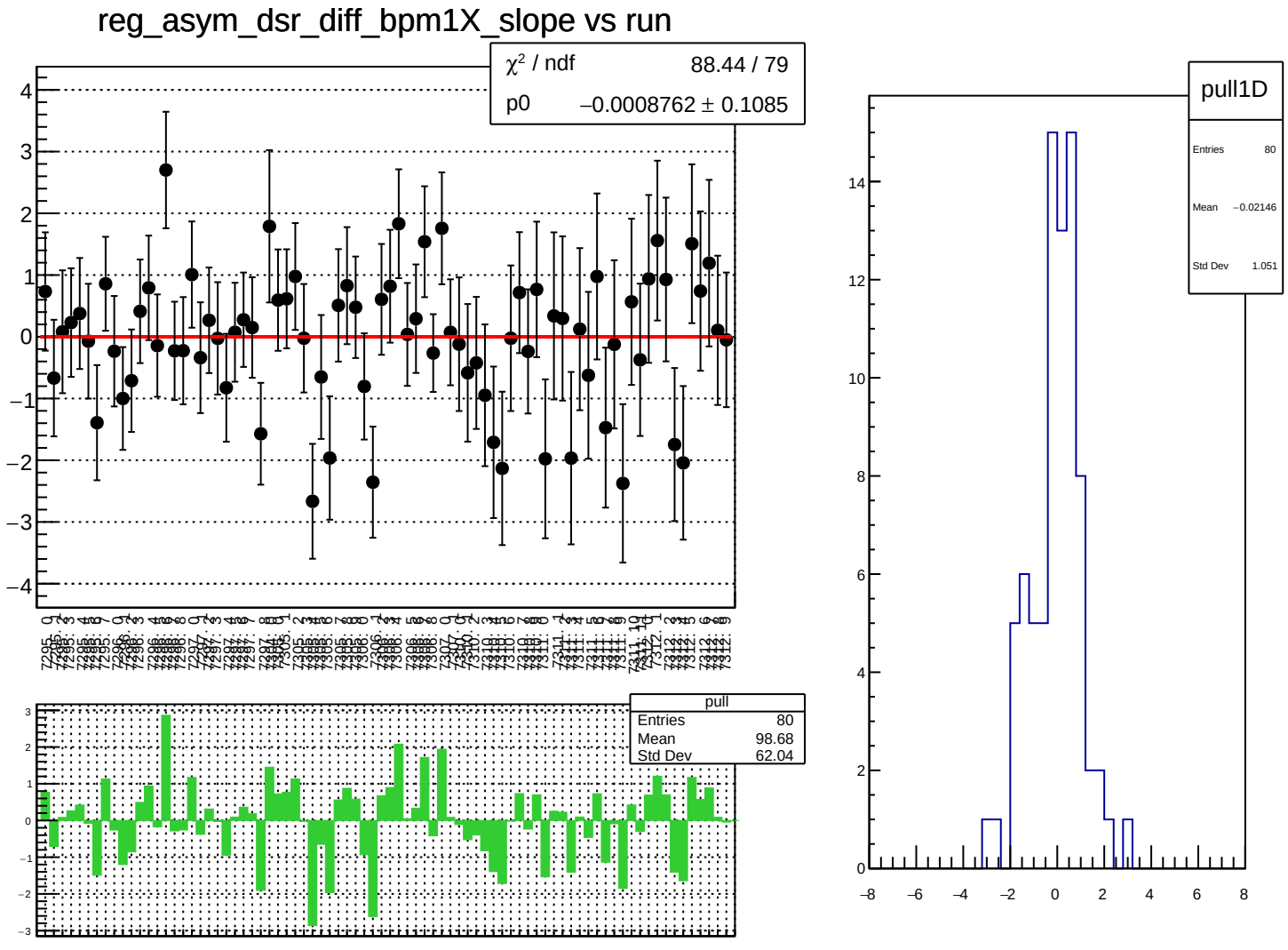

pull1D
Entries 80
Mean −0.01027
Std Dev 1.371

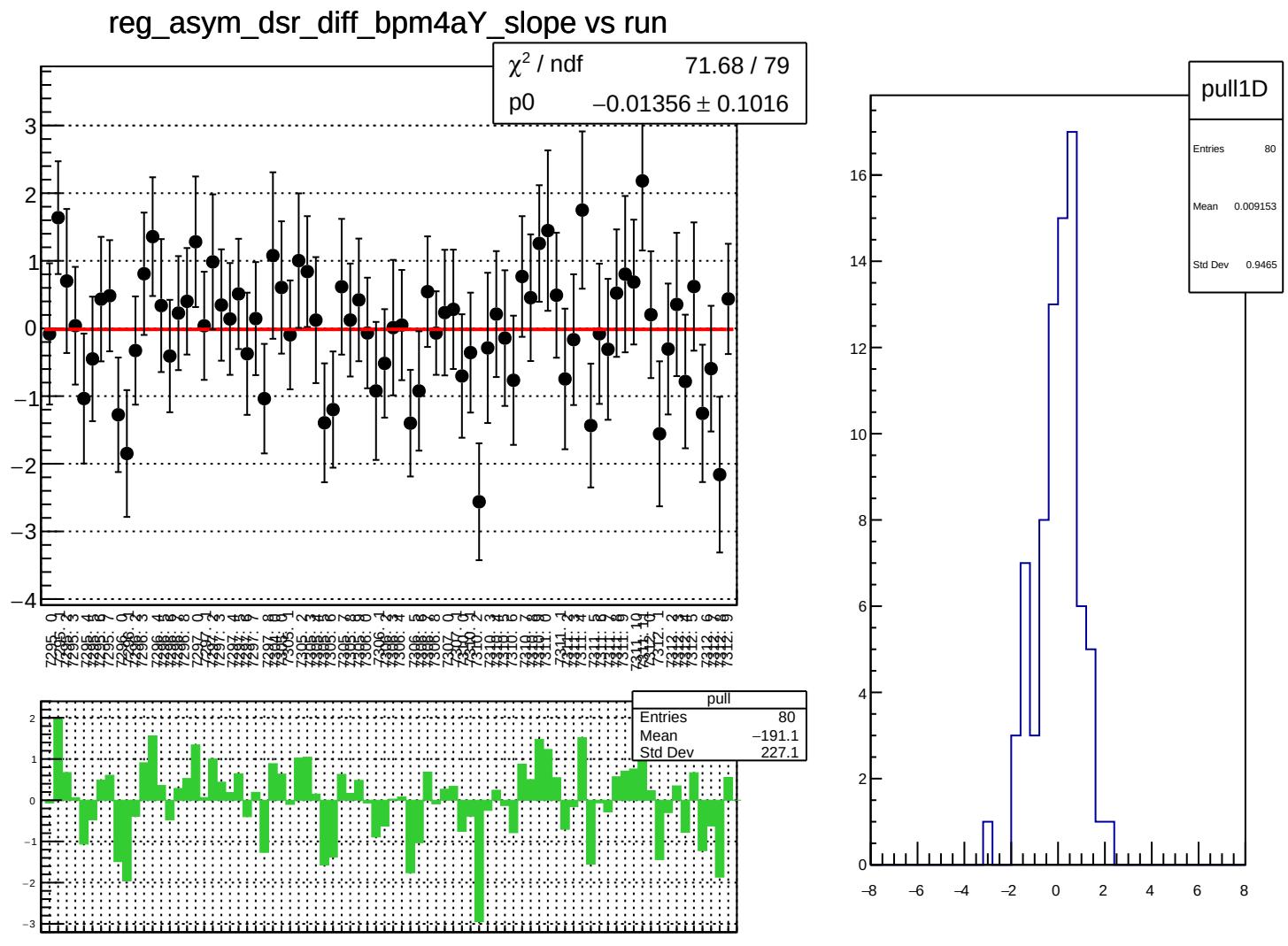

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 73.56 / 79
p0 −0.1401± 0.07955
pull
Entries 80
Mean −121.9
Std Dev 140.5
pull1D
Entries 80
Mean 0.008724
Std Dev 0.9588

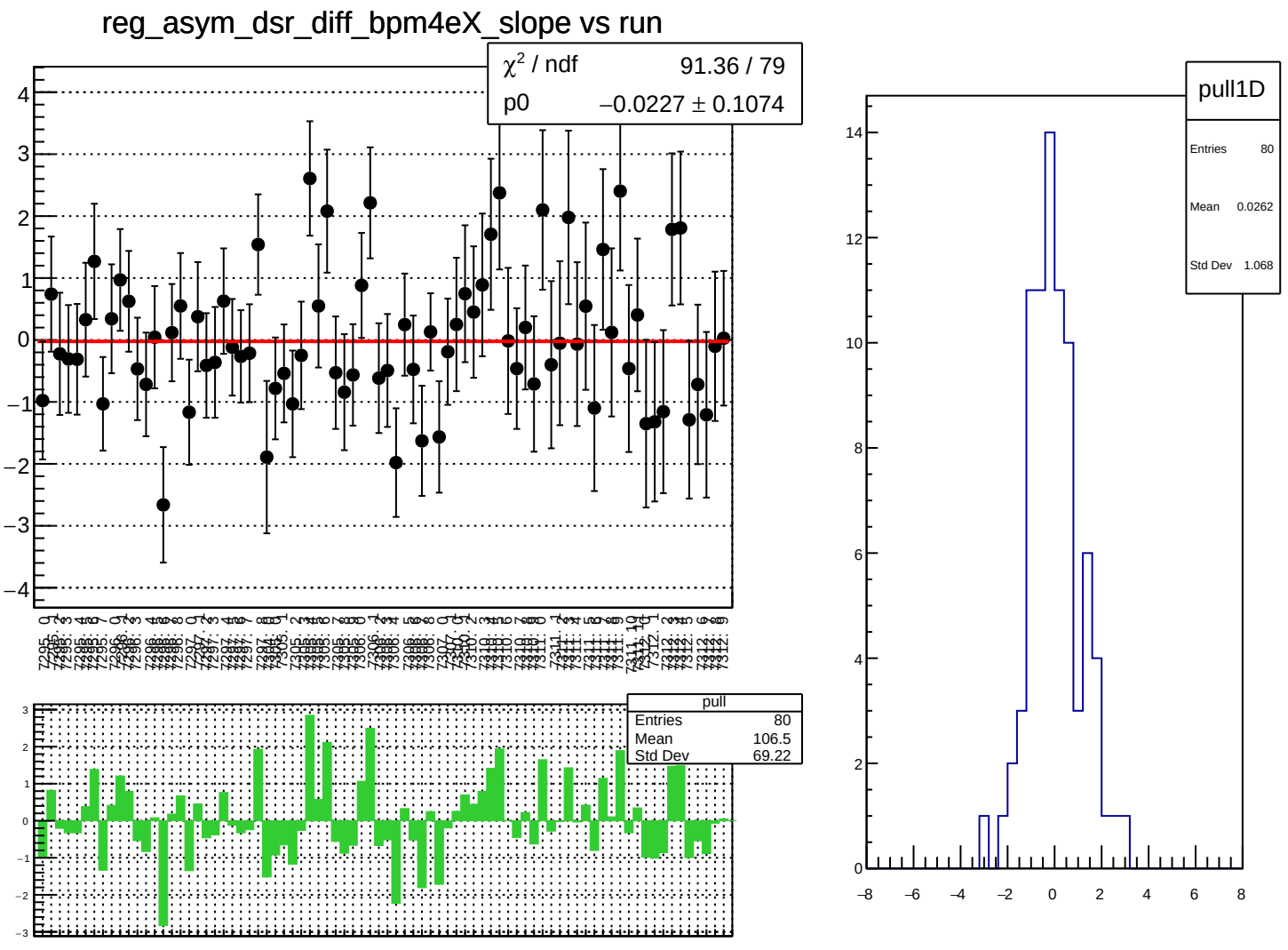

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 179.7 / 79
p0 −0.0789 ± 0.08032
pull
Entries 80
Mean 214
Std Dev 162.2
pull1D
Entries 80
Mean 0.01558
Std Dev 1.498

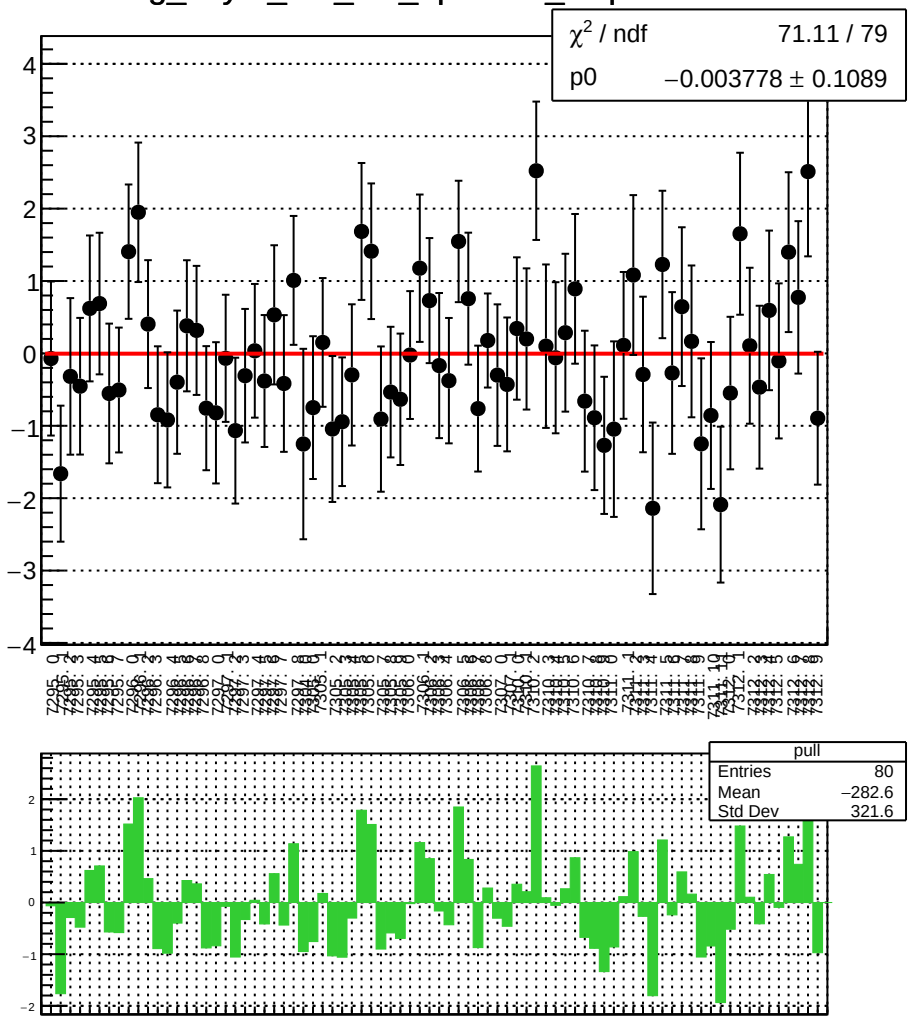

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 177.2 / 79
p0 −0.01168 ± 0.003379
pull
Entries 80
Mean −145.4
Std Dev 204.8

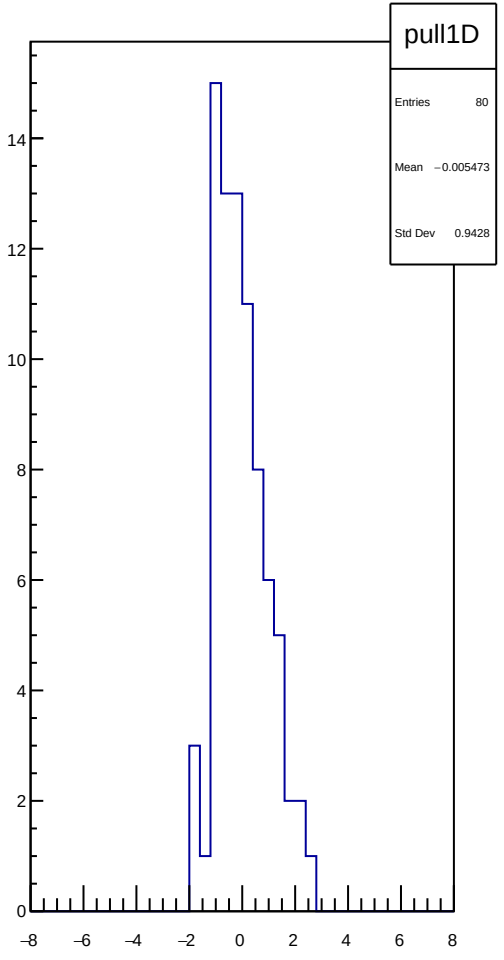

pull1D
Entries 80
Mean −0.008969
Std Dev 1.488

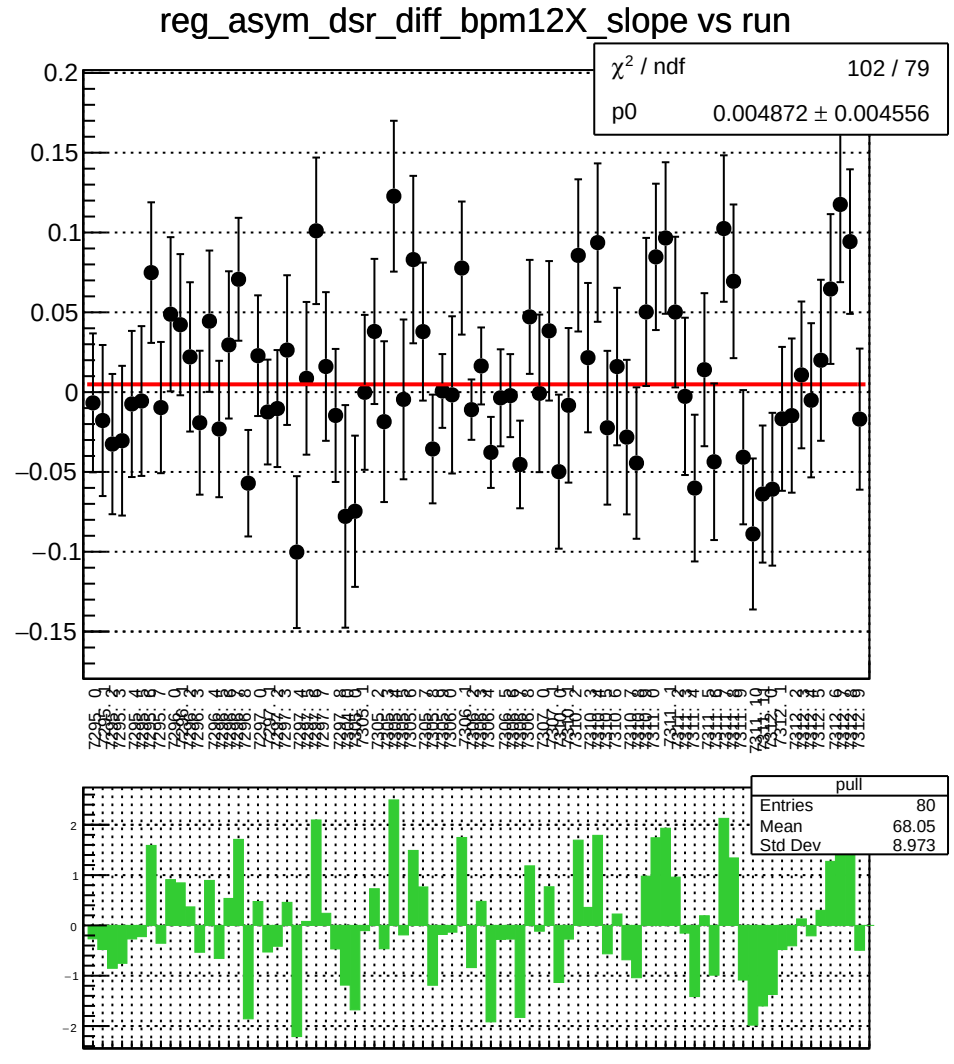

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 88.44 / 79
p0 −0.0008762 ± 0.1085
pull
Entries 80
Mean 98.68
Std Dev 62.04
pull1D
Entries 80
Mean −0.02146
Std Dev 1.051

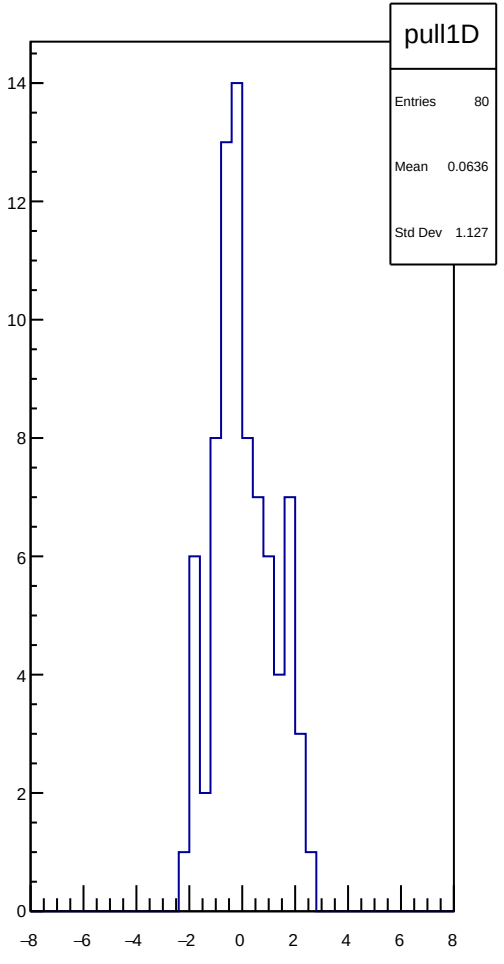

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 71.68 / 79
p0 −0.01356 ± 0.1016
pull
Entries 80
Mean −191.1
Std Dev 227.1
pull1D
Entries 80
Mean 0.009153
Std Dev 0.9465

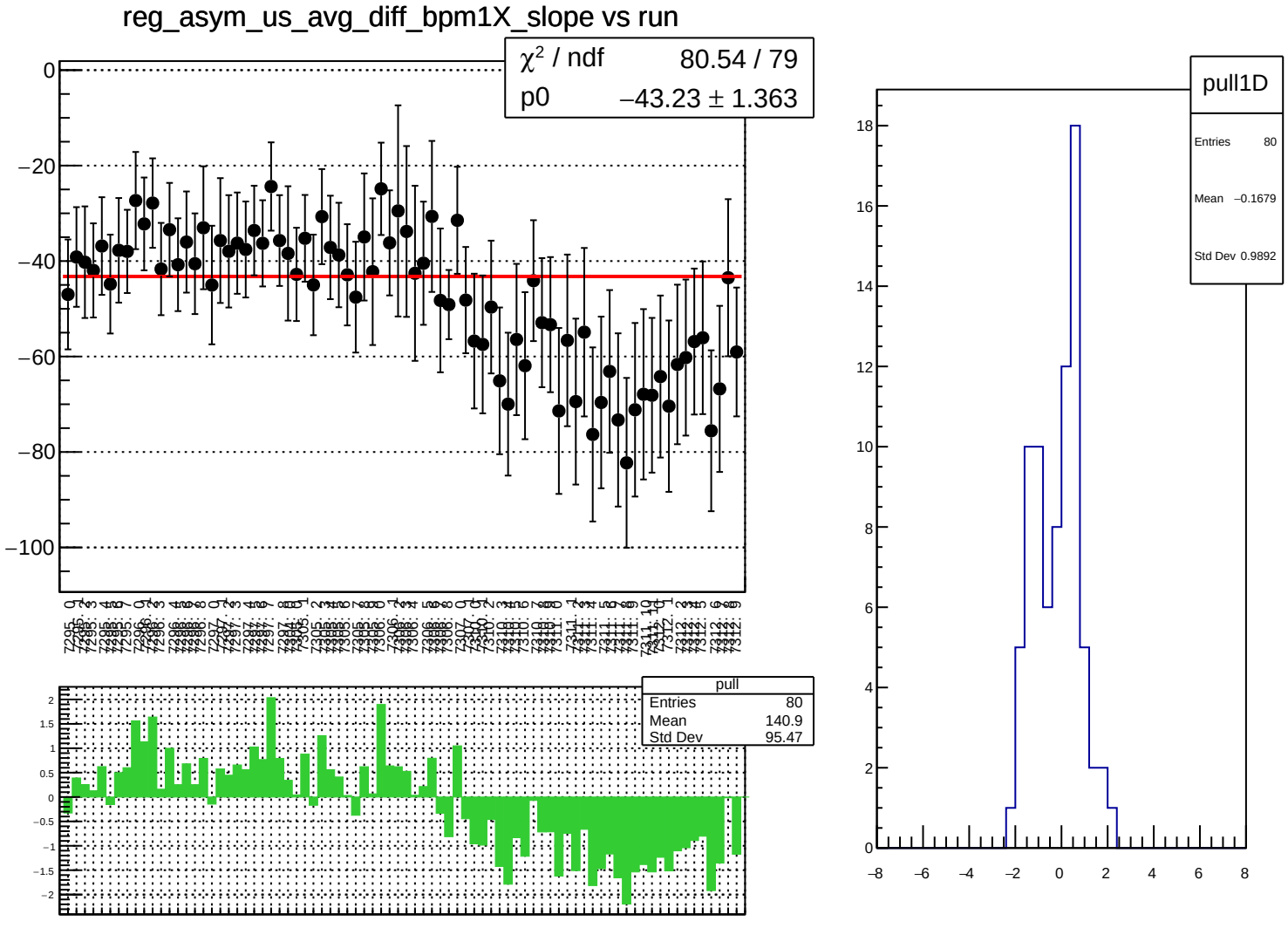

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 91.36 / 79
p0 −0.0227 ± 0.1074
pull
Entries 80
Mean 106.5
Std Dev 69.22
pull1D
Entries 80
Mean 0.0262
Std Dev 1.068

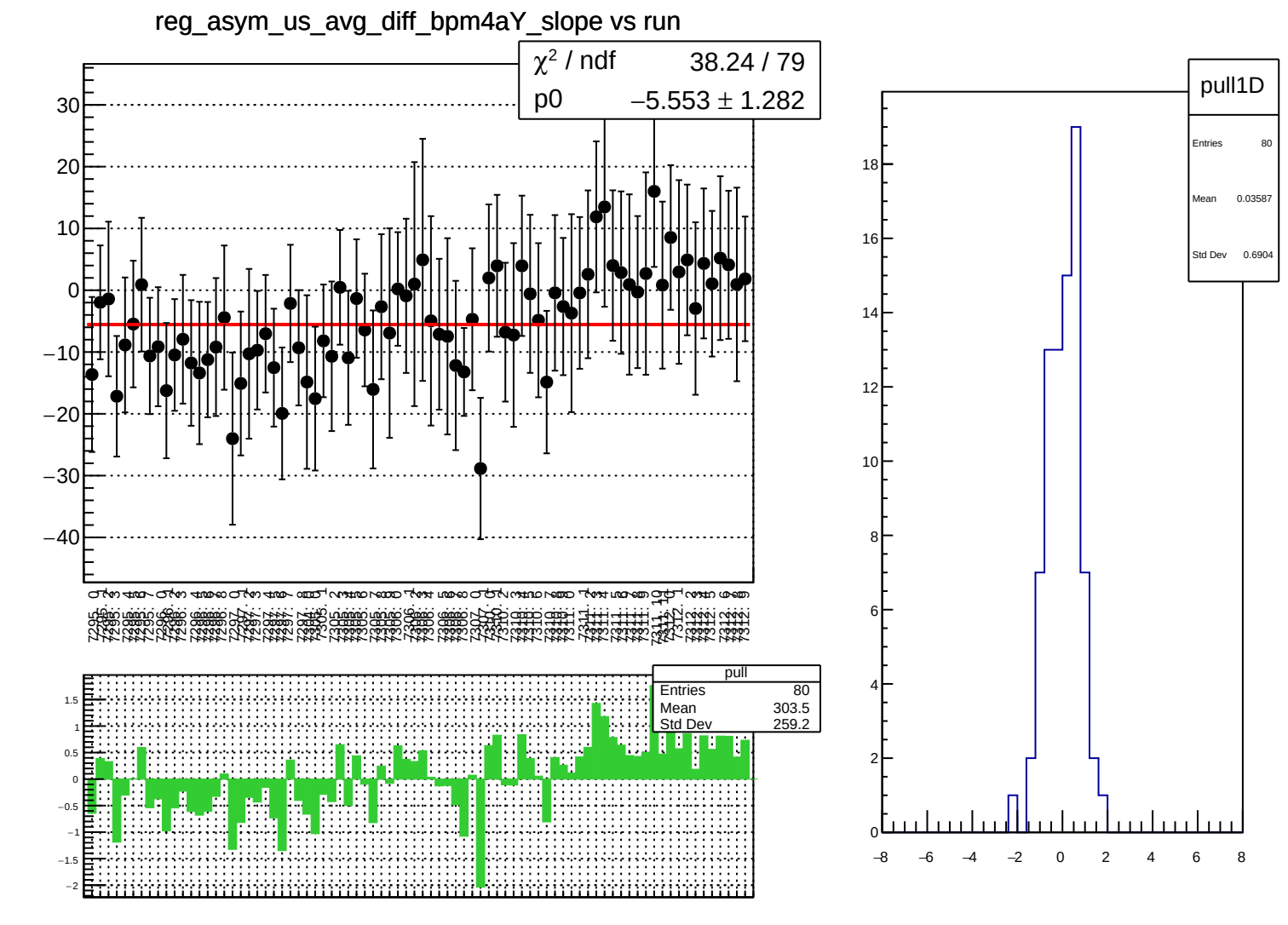

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 71.11 / 79
p0 −0.003778 ± 0.1089
pull
Entries 80
Mean −282.6
Std Dev 321.6

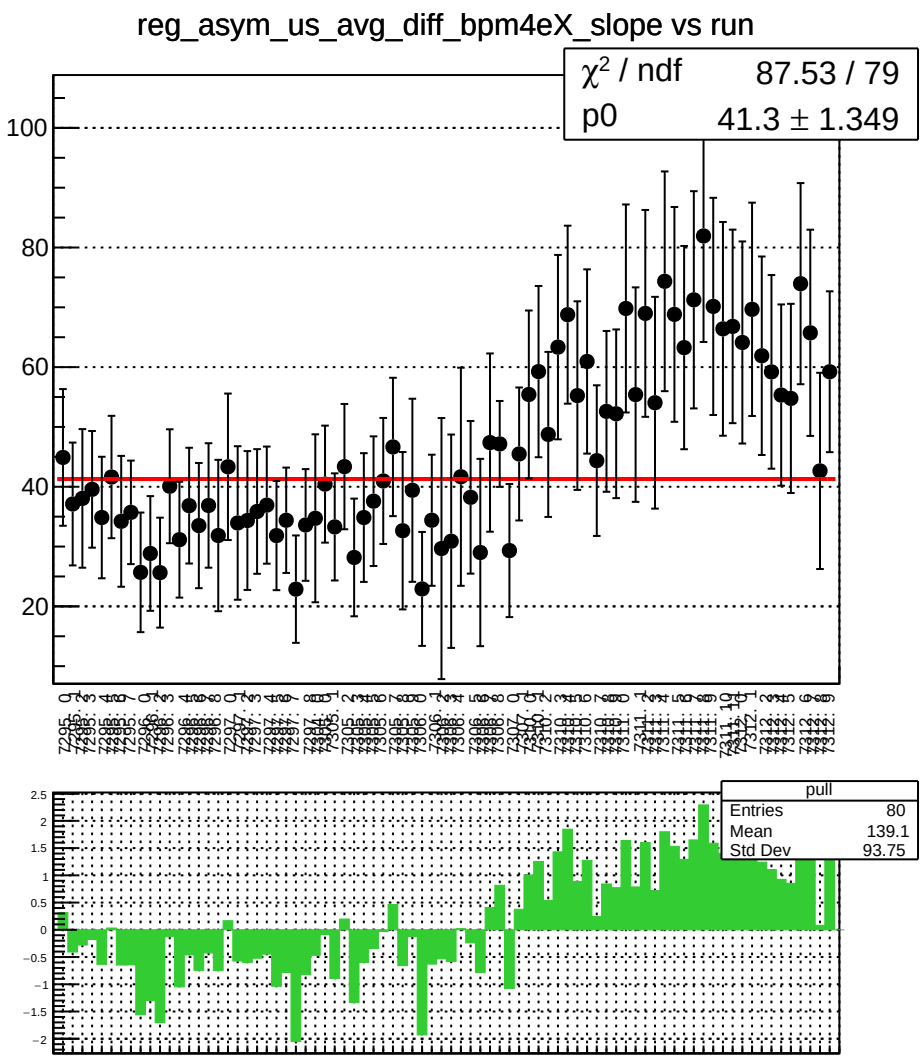

pull1D
Entries 80
Mean −0.005473
Std Dev 0.9428

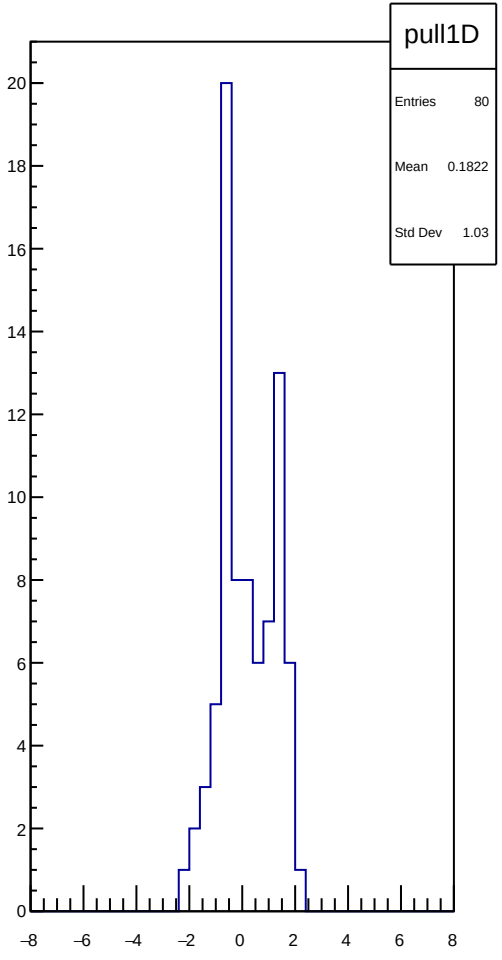

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 102 / 79
p0 0.004872 ± 0.004556
pull
Entries 80
Mean 68.05
Std Dev 8.973

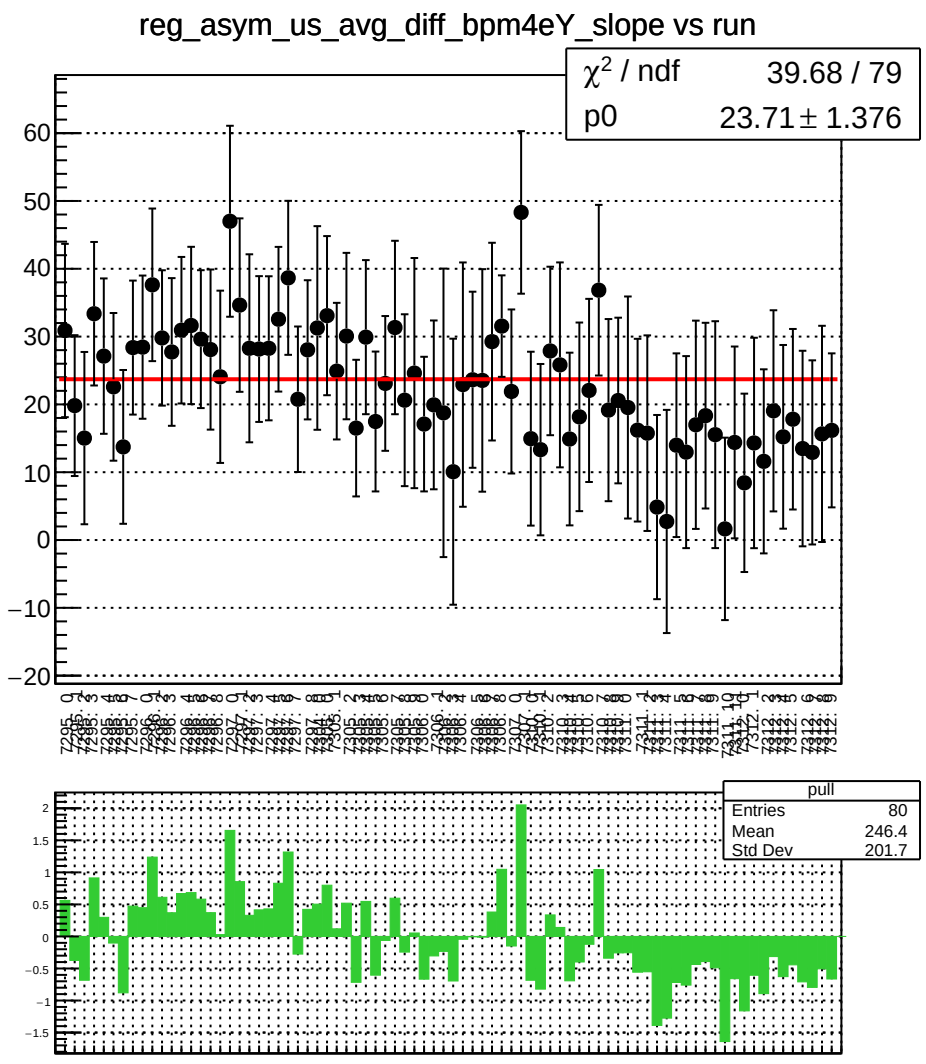

pull1D
Entries 80
Mean 0.0636
Std Dev 1.127

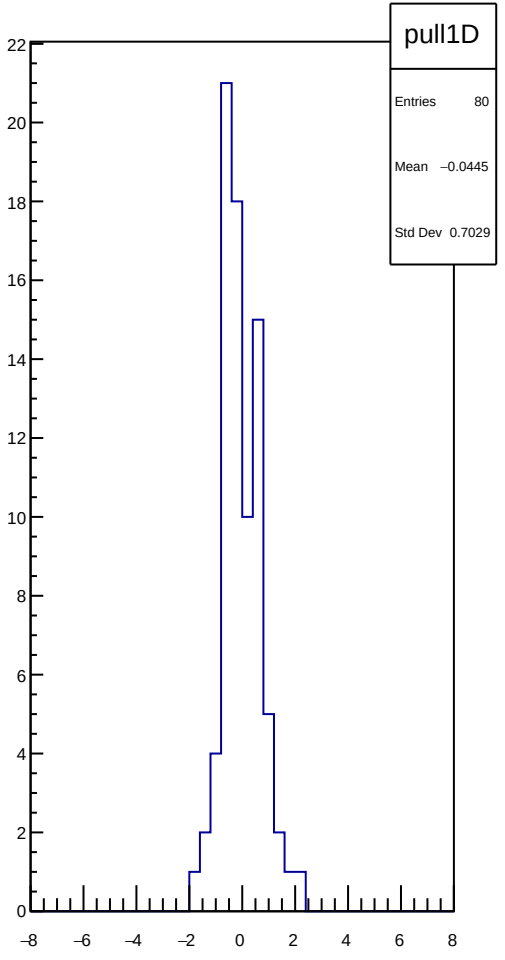

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 80.54 / 79
p0 −43.23 ± 1.363
pull
Entries 80
Mean 140.9
Std Dev 95.47
pull1D
Entries 80
Mean −0.1679
Std Dev 0.9892

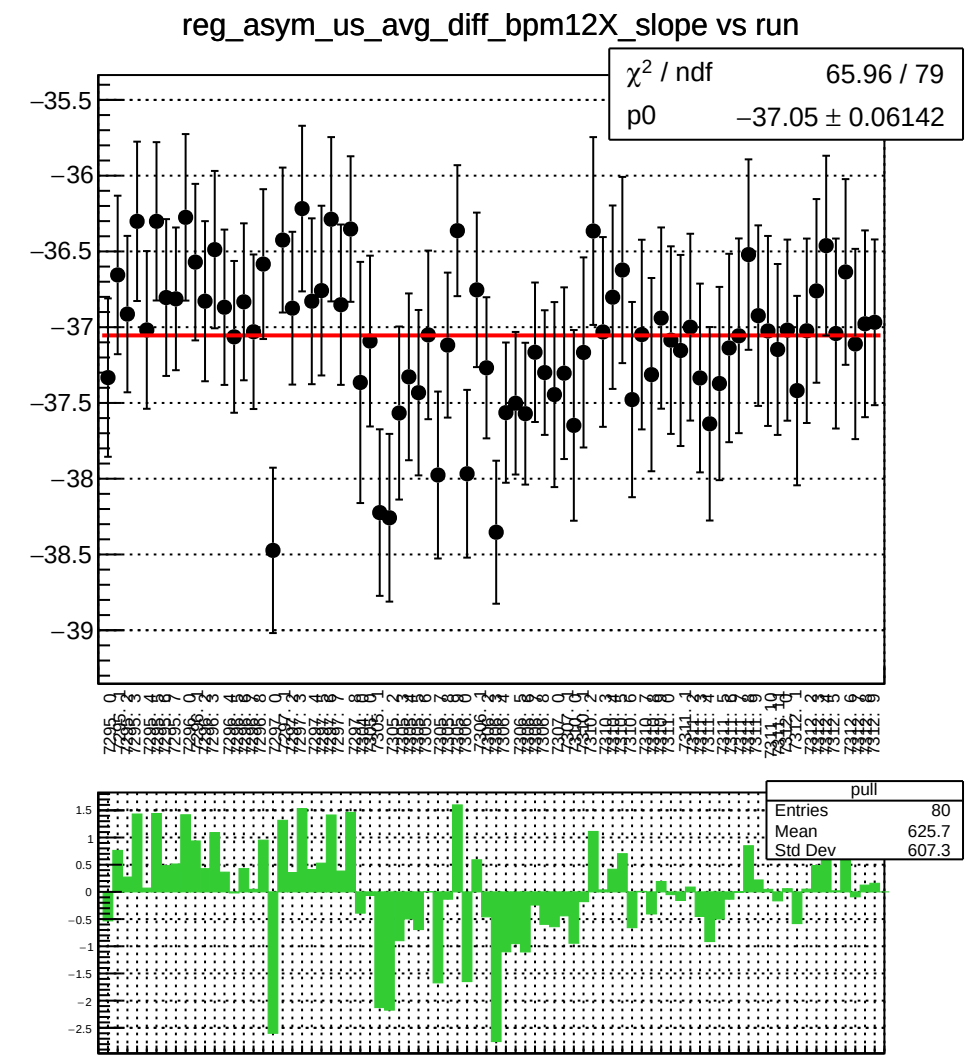

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.24 / 79
p0 −5.553 ± 1.282
pull
Entries 80
Mean 303.5
Std Dev 259.2
pull1D
Entries 80
Mean 0.03587
Std Dev 0.6904

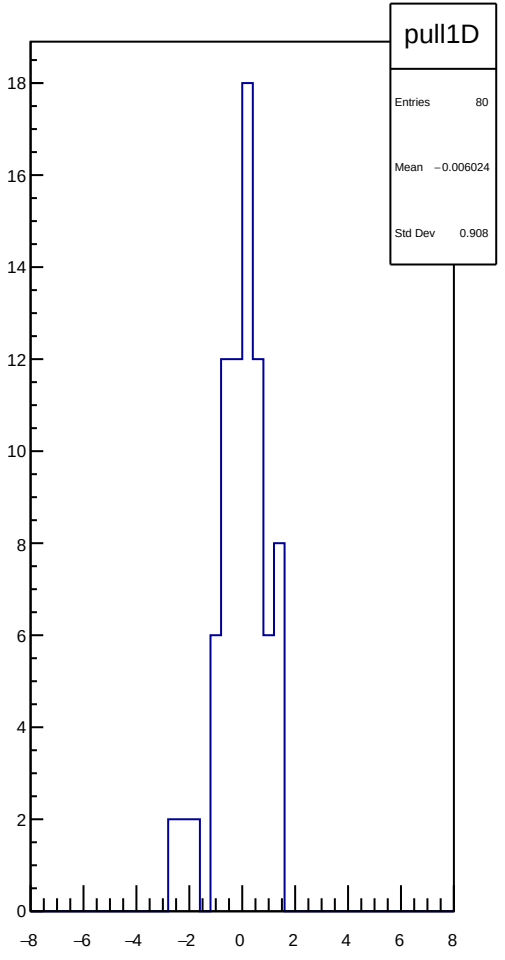

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 87.53 / 79
p0 41.3 ± 1.349
pull
Entries 80
Mean 139.1
Std Dev 93.75

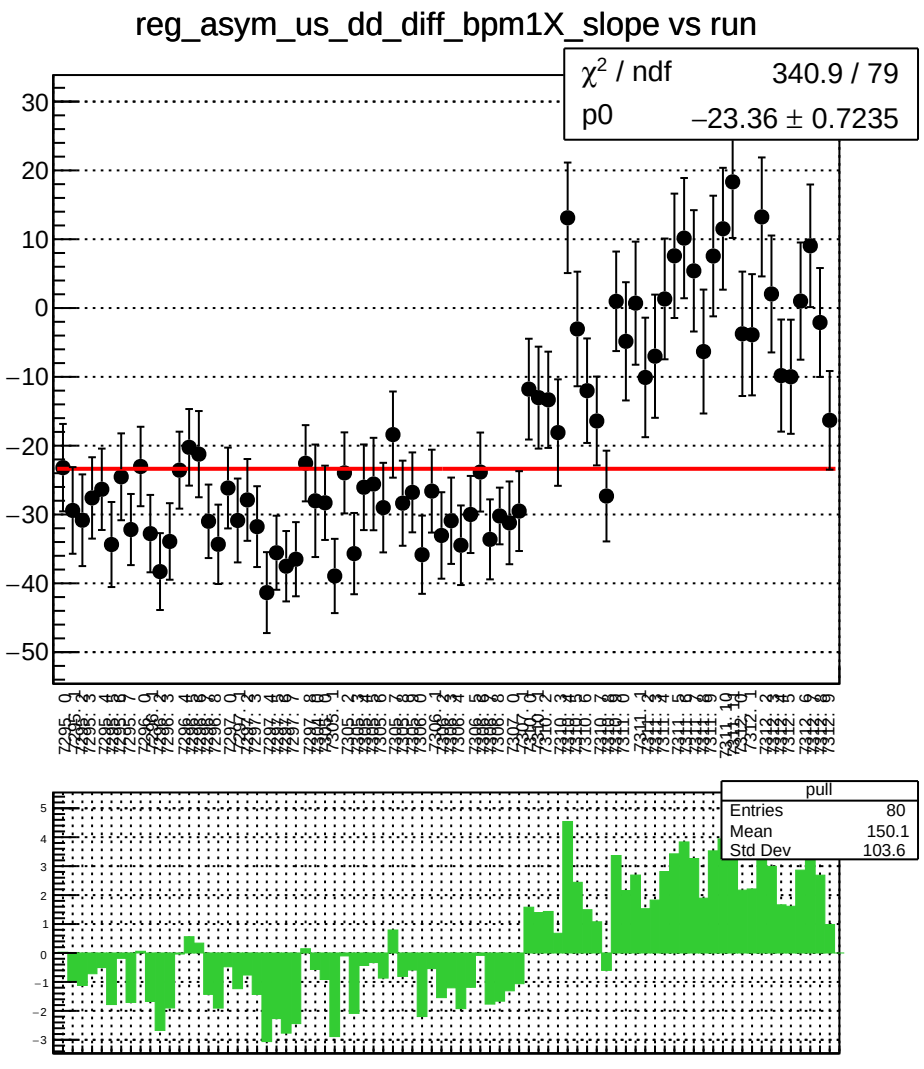

pull1D
Entries 80
Mean 0.1822
Std Dev 1.03

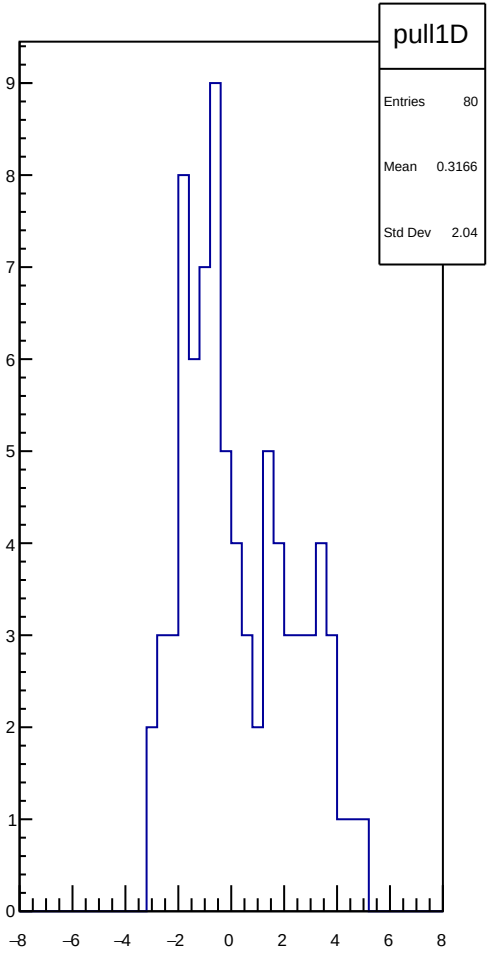

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.68 / 79
p0 23.71 ± 1.376
pull
Entries 80
Mean 246.4
Std Dev 201.7

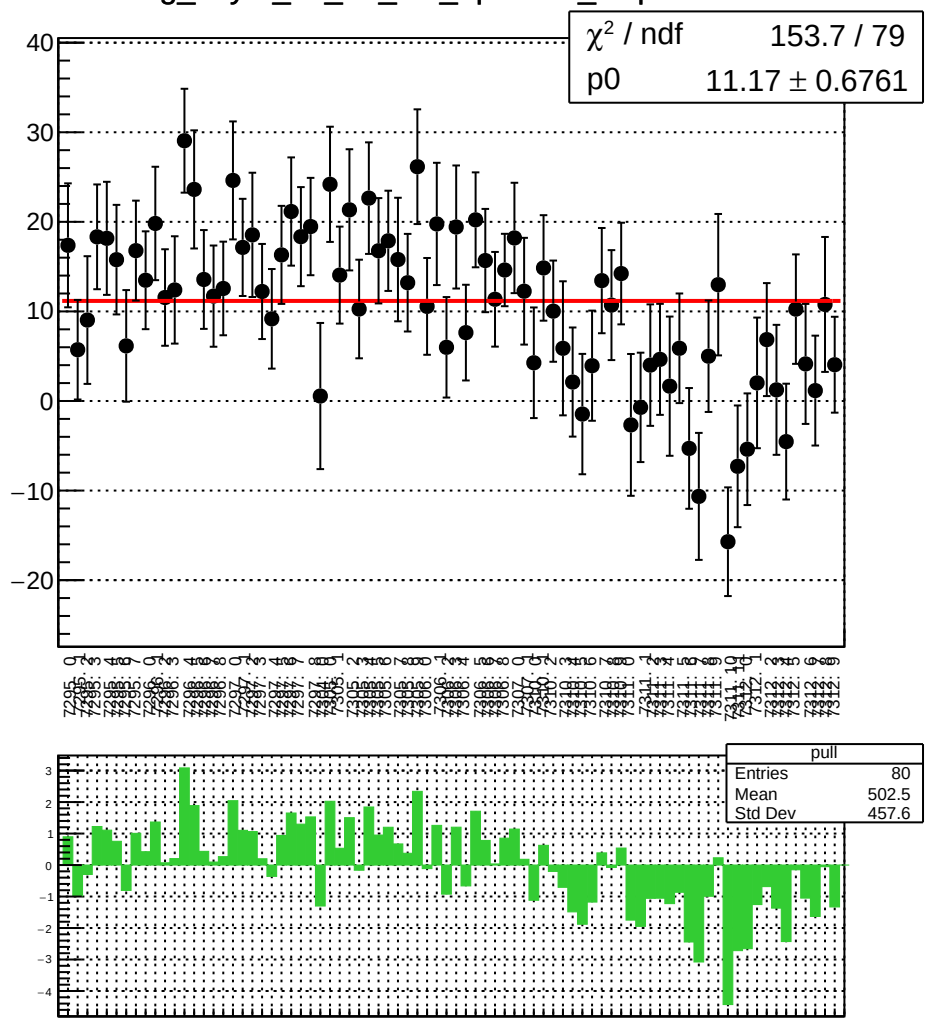

pull1D
Entries 80
Mean −0.0445
Std Dev 0.7029

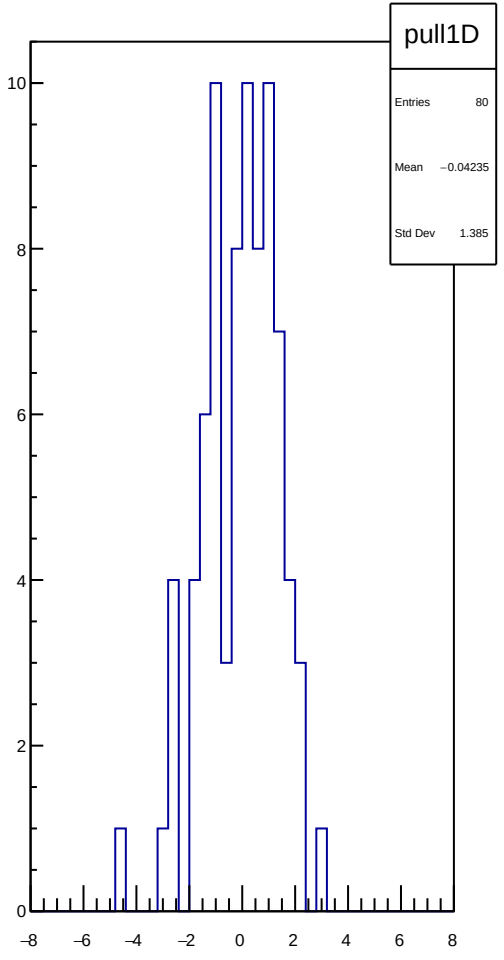

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 65.96 / 79
p0 −37.05 ± 0.06142
pull
Entries 80
Mean 625.7
Std Dev 607.3

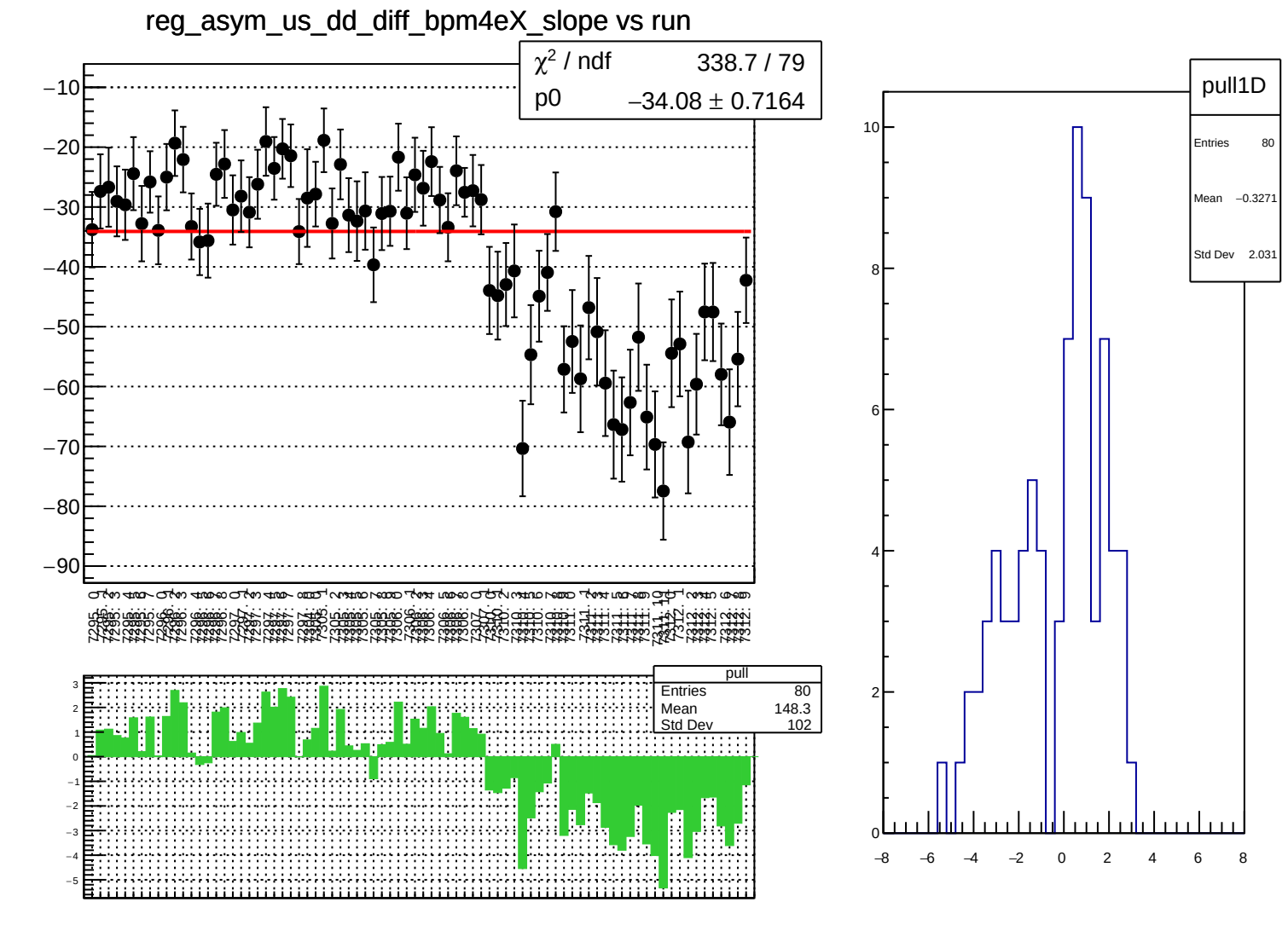

pull1D
Entries 80
Mean −0.006024
Std Dev 0.908

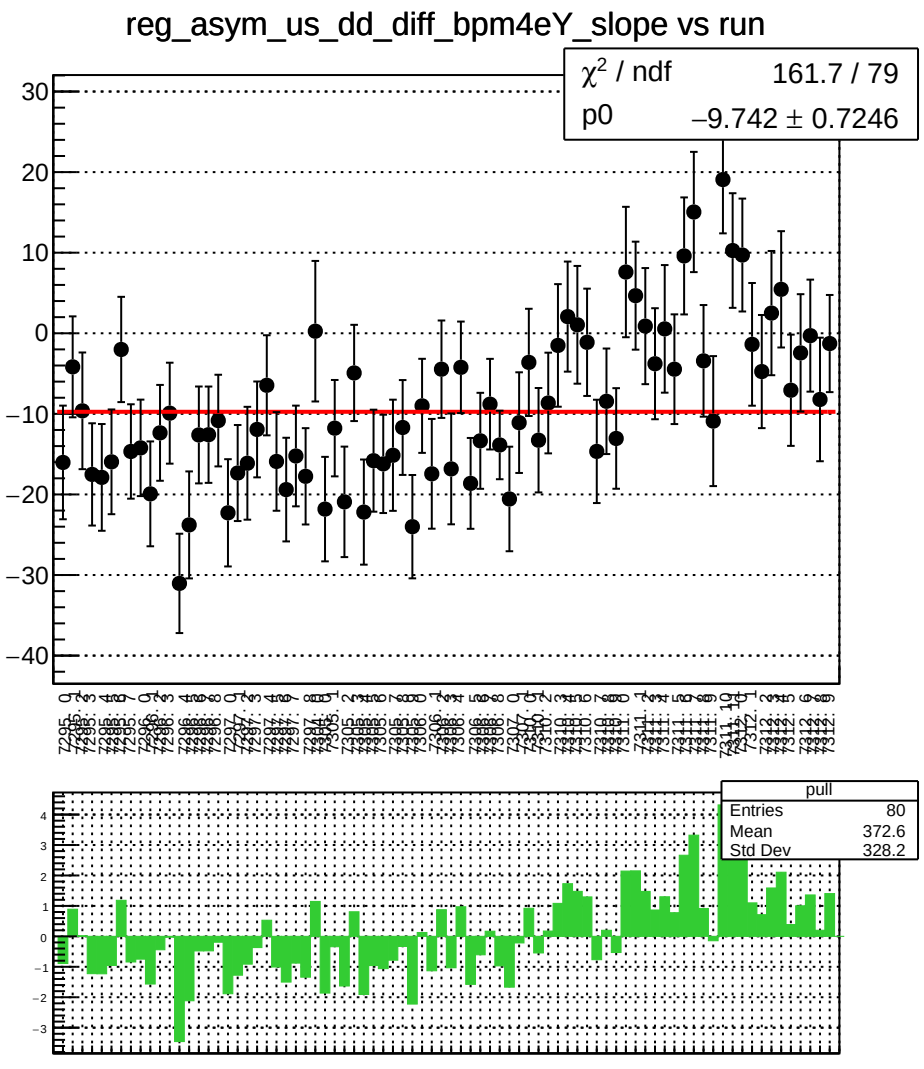

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 340.9 / 79
p0 −23.36 ± 0.7235
pull
Entries 80
Mean 150.1
Std Dev 103.6

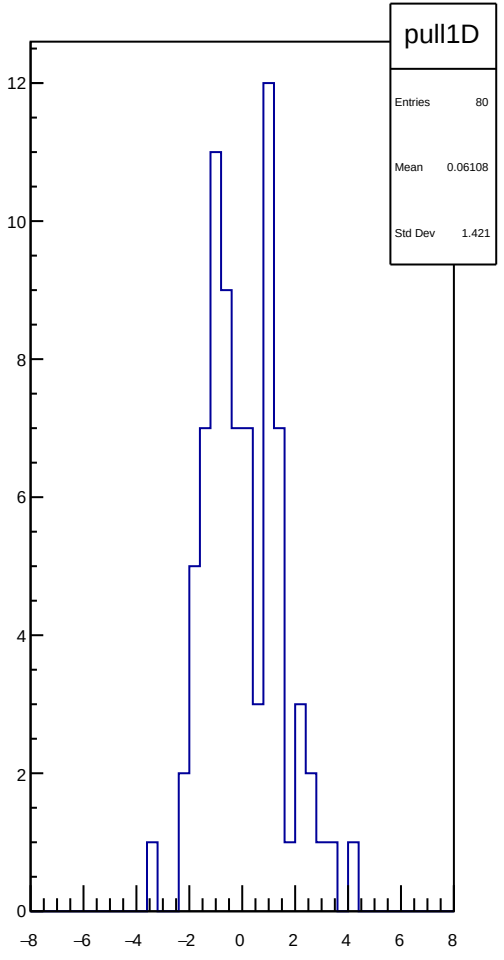

pull1D
Entries 80
Mean 0.3166
Std Dev 2.04

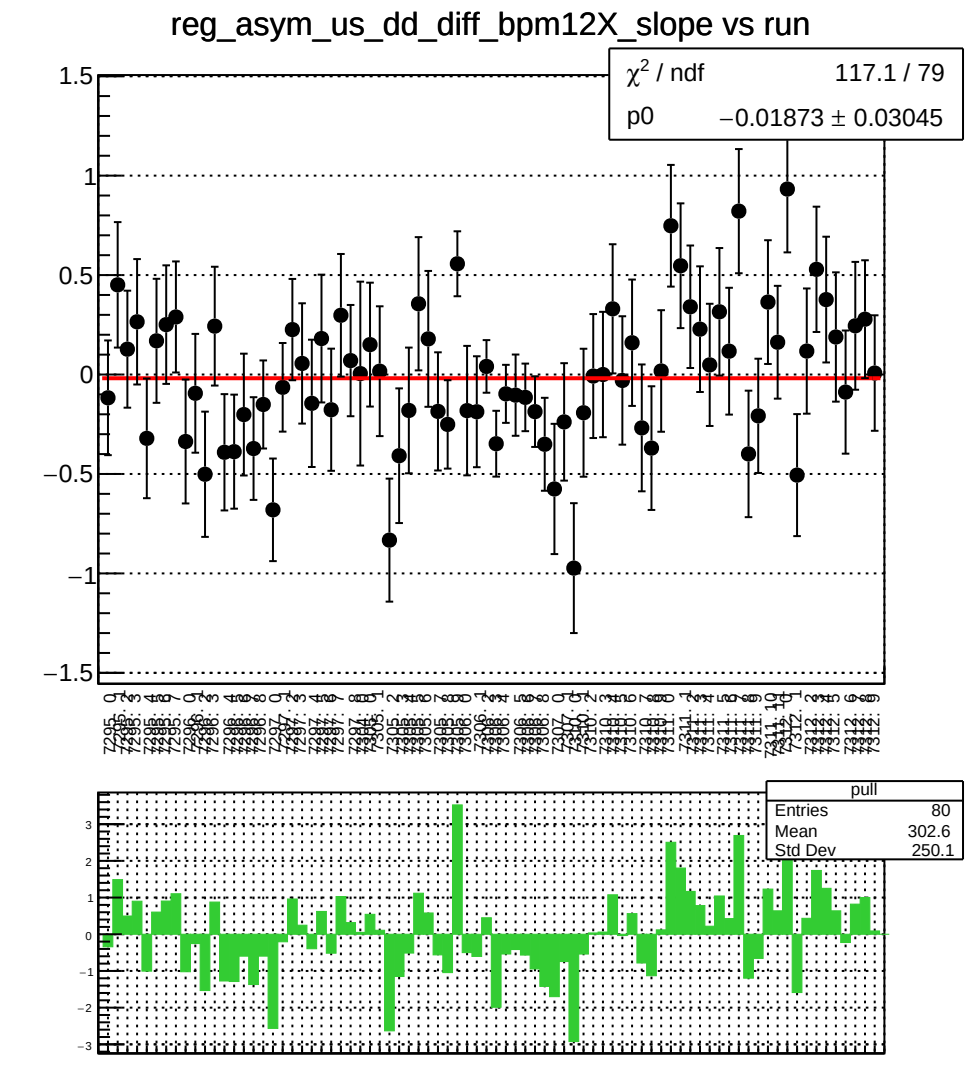

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 153.7 / 79
p0 11.17 ± 0.6761
pull
Entries 80
Mean 502.5
Std Dev 457.6

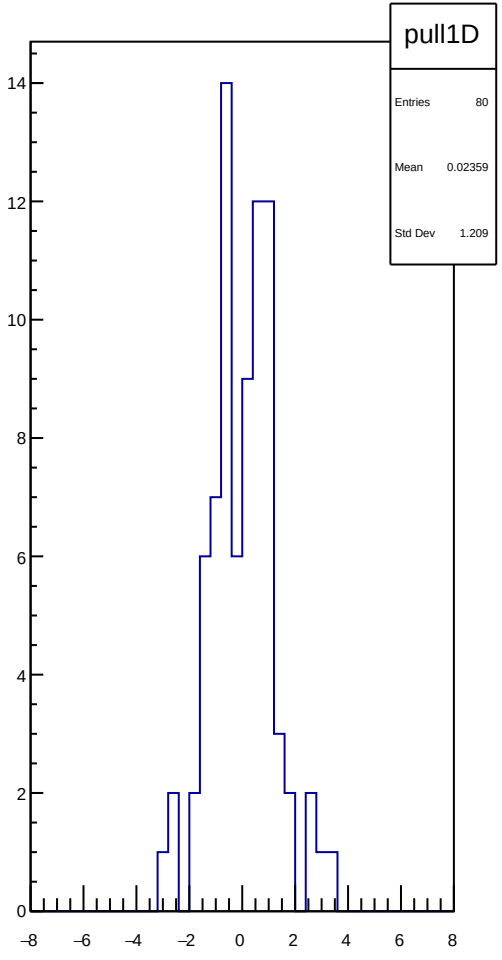

pull1D
Entries 80
Mean −0.04235
Std Dev 1.385

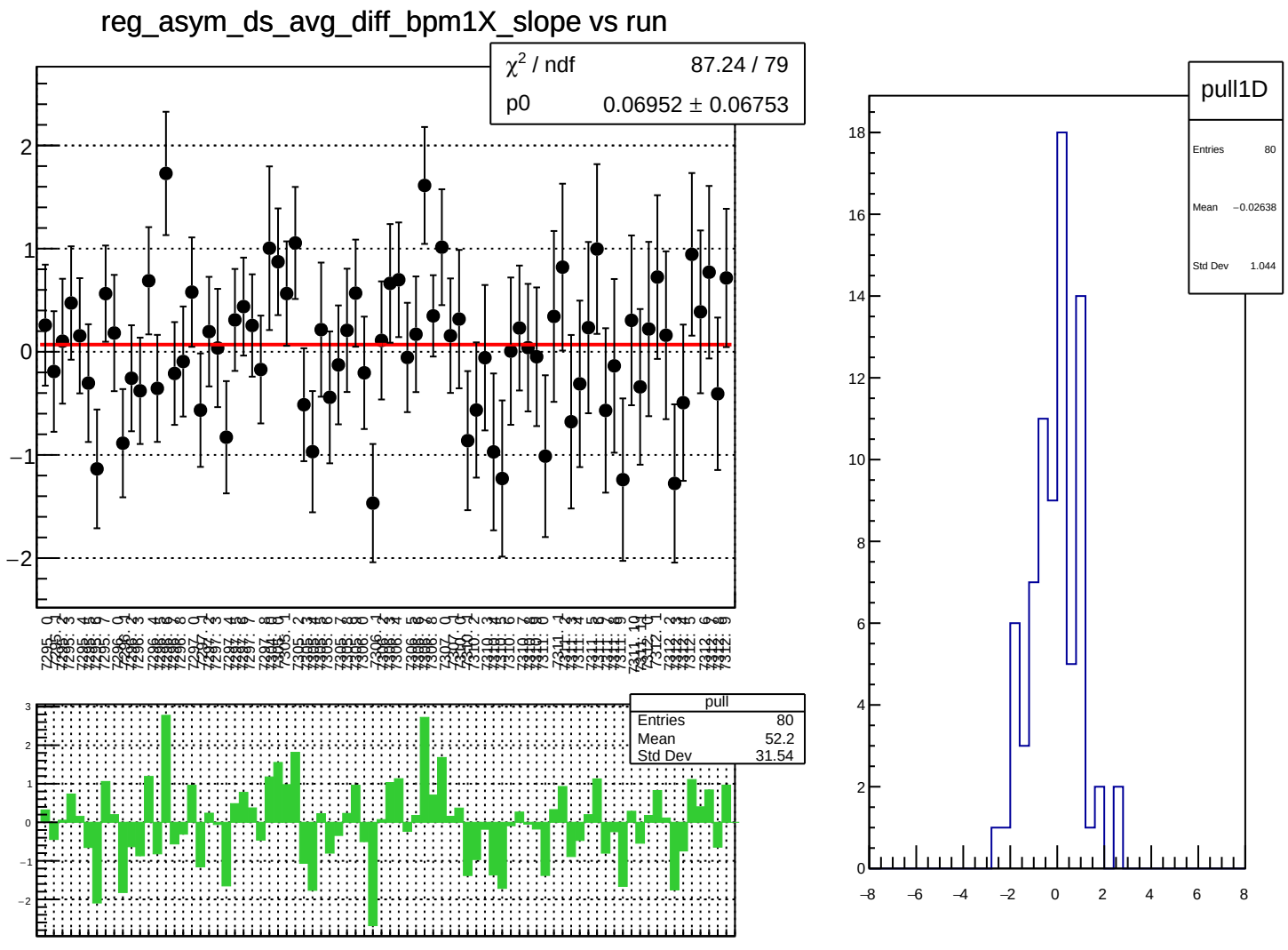

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 338.7 / 79
p0 −34.08 ± 0.7164
pull
Entries 80
Mean 148.3
Std Dev 102
pull1D
Entries 80
Mean −0.3271
Std Dev 2.031

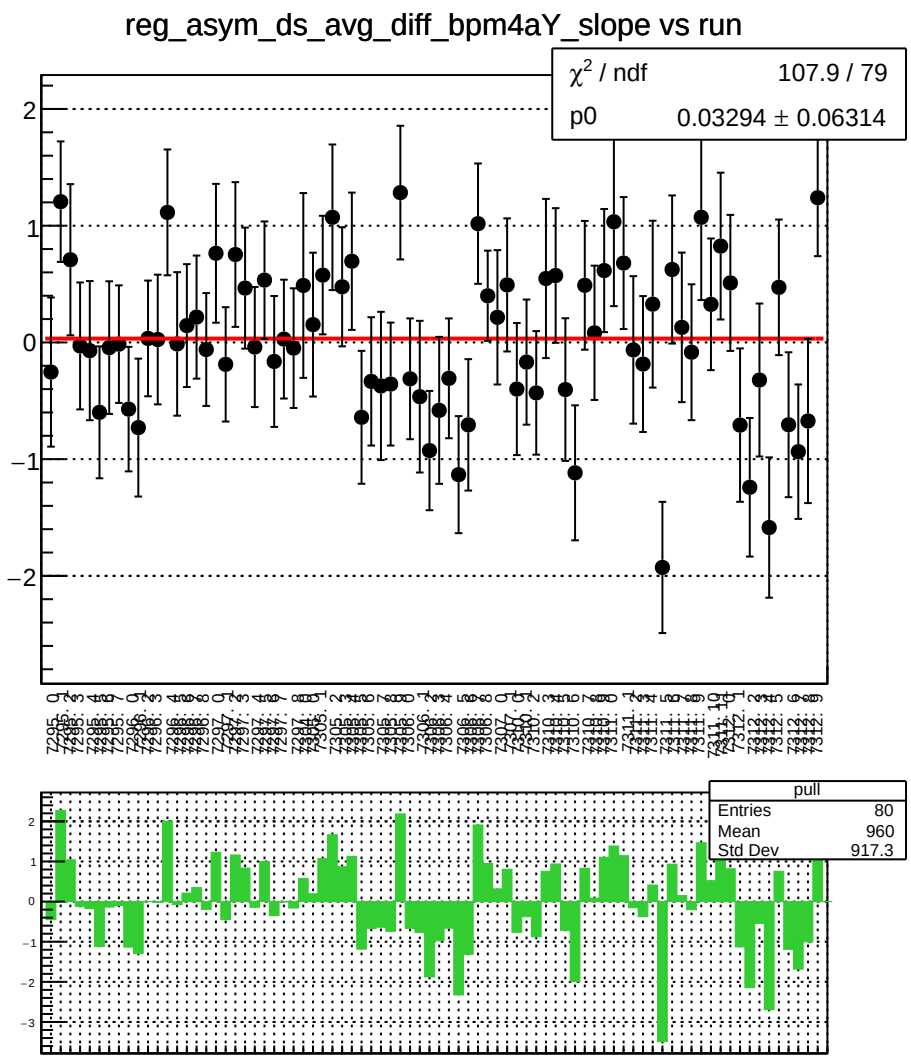

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 161.7 / 79
p0 −9.742 ± 0.7246
pull
Entries 80
Mean 372.6
Std Dev 328.2

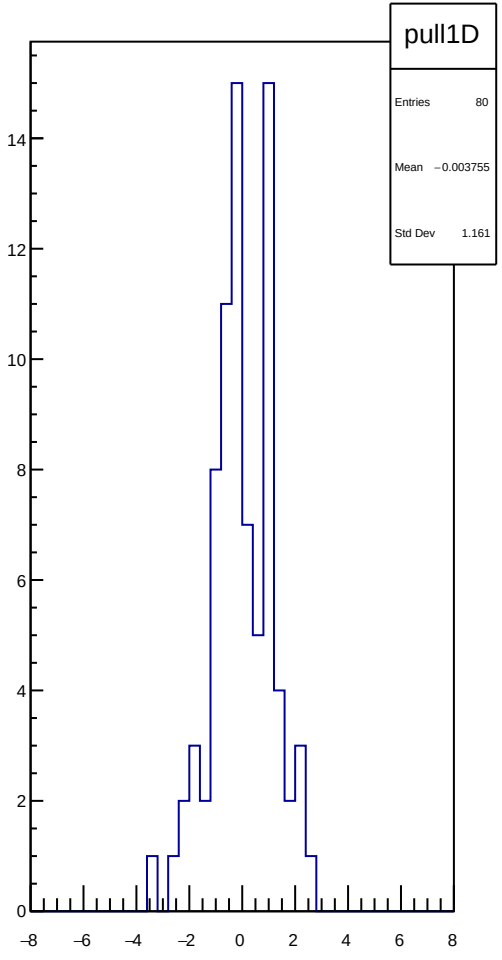

pull1D
Entries 80
Mean 0.06108
Std Dev 1.421

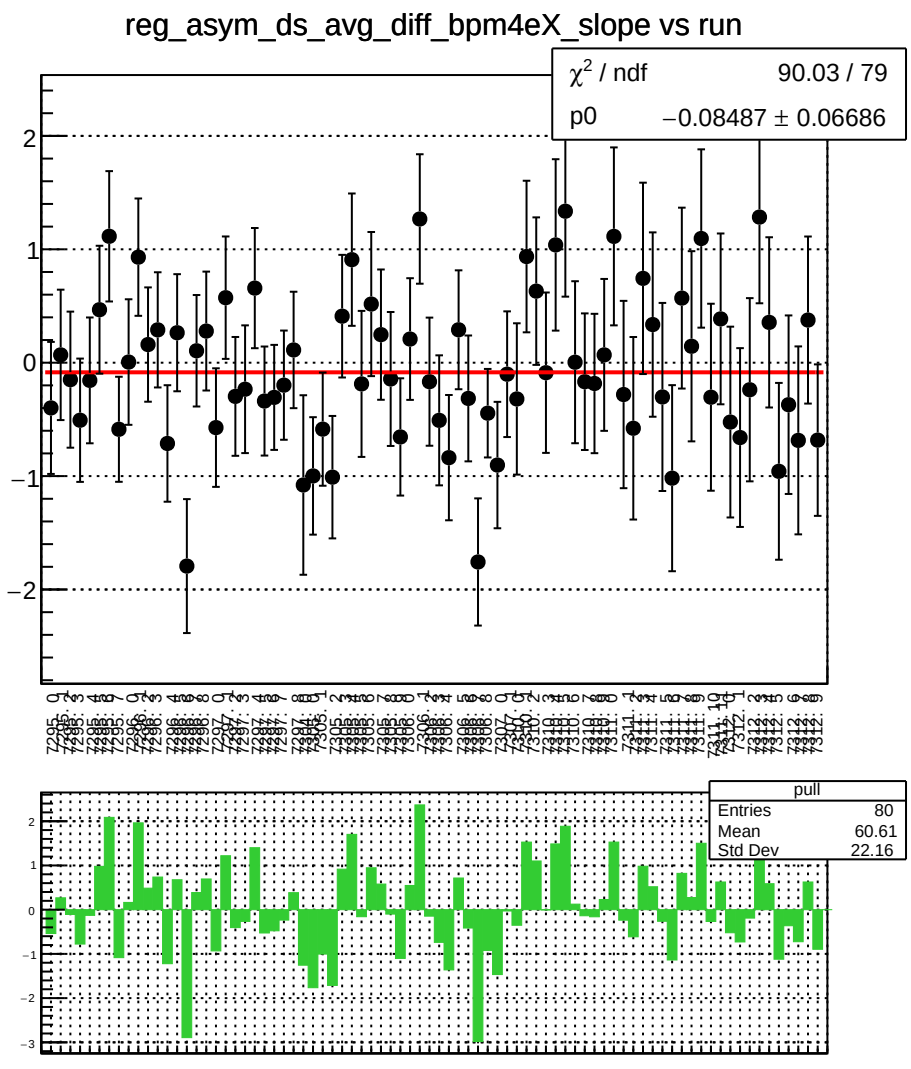

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 117.1 / 79
p0 −0.01873 ± 0.03045
pull
Entries 80
Mean 302.6
Std Dev 250.1

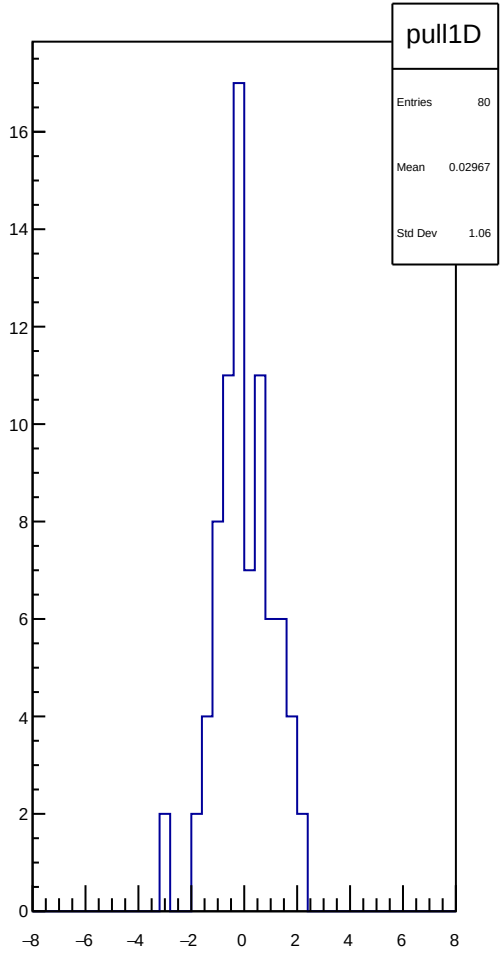

pull1D
Entries 80
Mean 0.02359
Std Dev 1.209

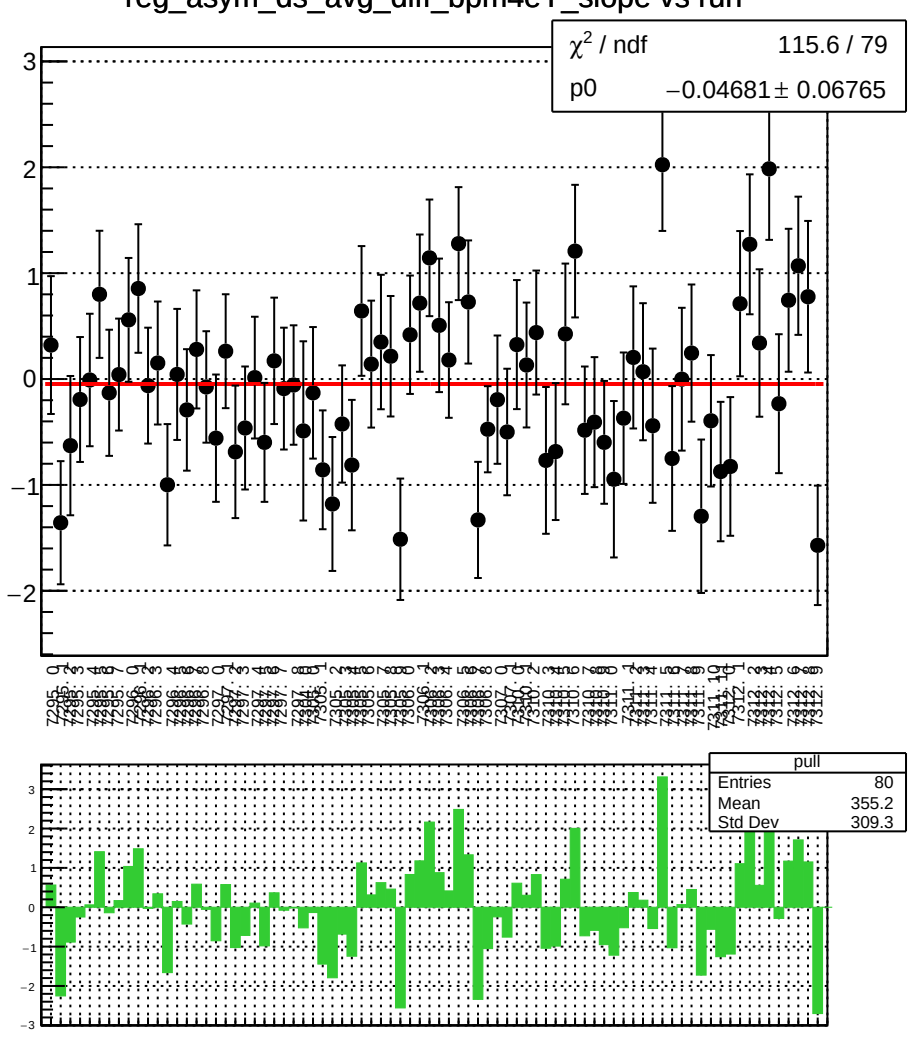

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 87.24 / 79
p0 0.06952 ± 0.06753
pull
Entries 80
Mean 52.2
Std Dev 31.54
pull1D
Entries 80
Mean −0.02638
Std Dev 1.044

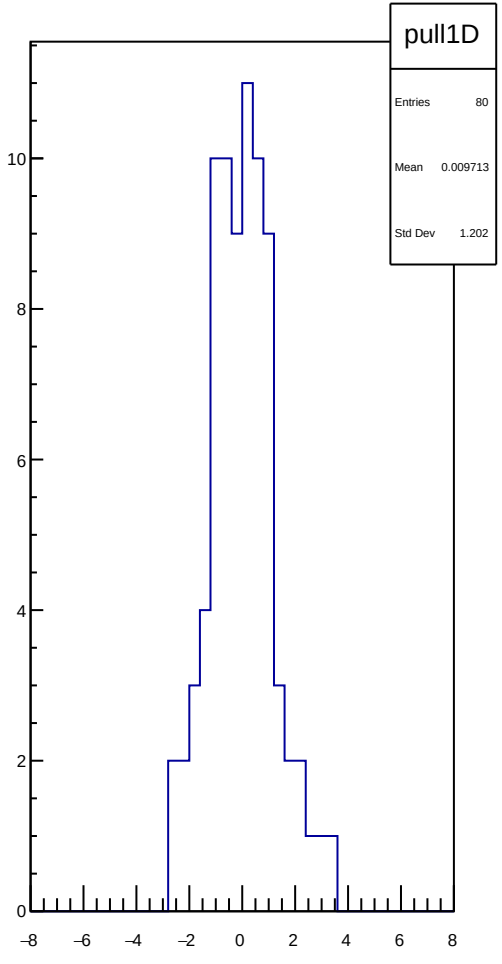

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 107.9 / 79
p0 0.03294 ± 0.06314
pull
Entries 80
Mean 960
Std Dev 917.3

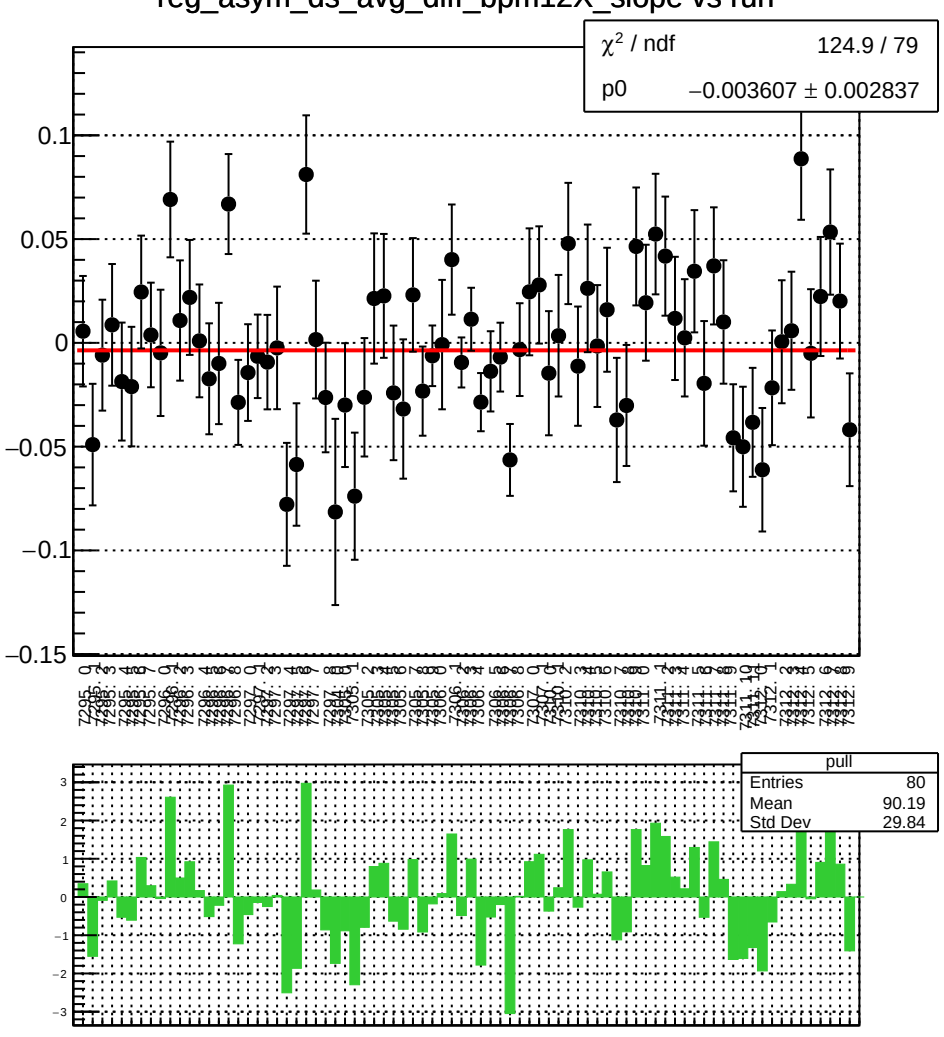

pull1D
Entries 80
Mean −0.003755
Std Dev 1.161

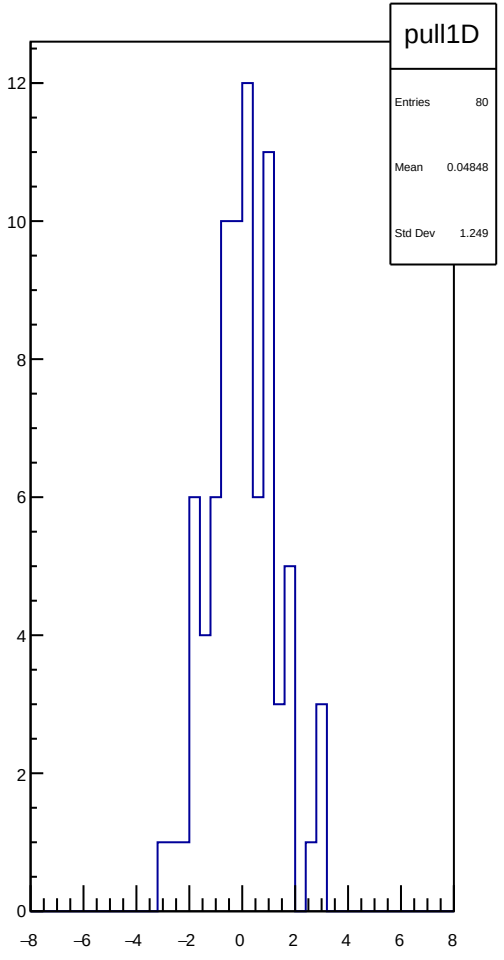

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.03 / 79
p0 −0.08487 ± 0.06686
pull
Entries 80
Mean 60.61
Std Dev 22.16

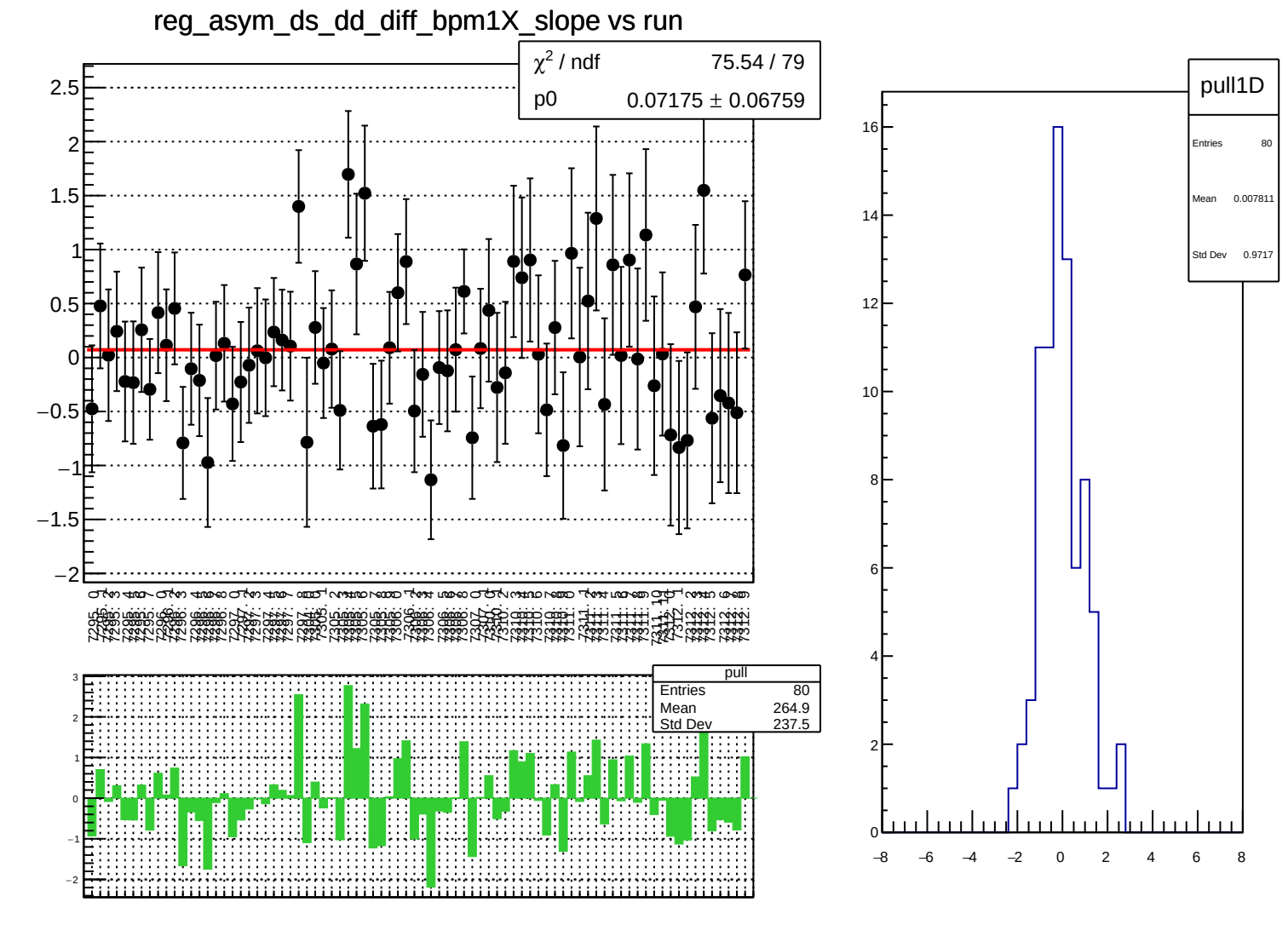

pull1D
Entries 80
Mean 0.02967
Std Dev 1.06

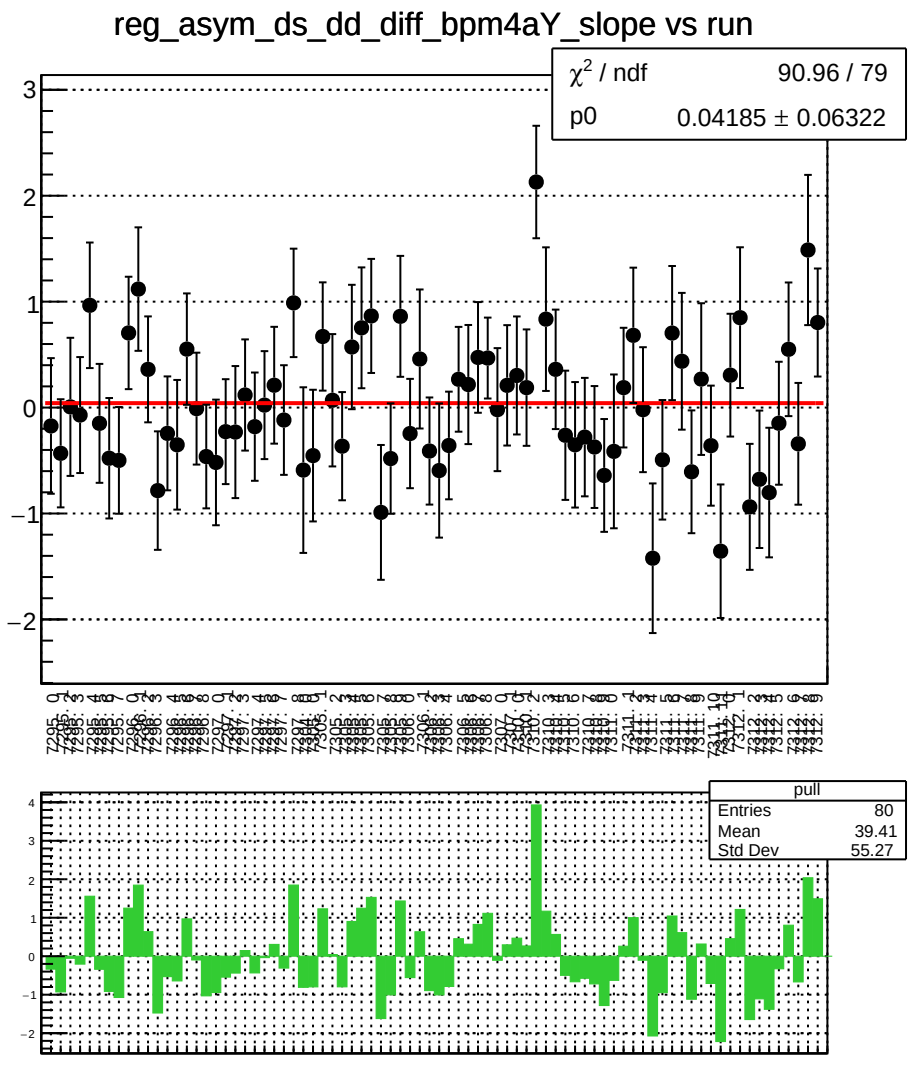

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.6 / 79
p0 −0.04681 ± 0.06765
pull
Entries 80
Mean 355.2
Std Dev 309.3

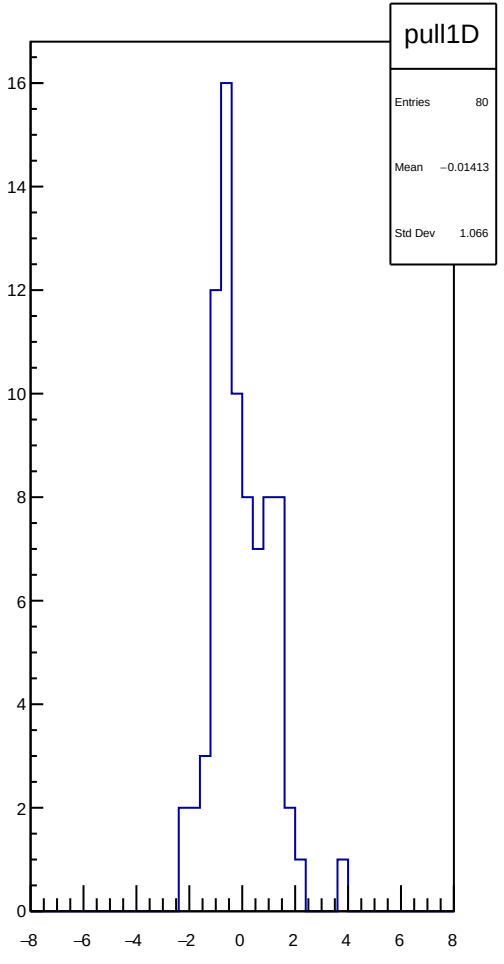

pull1D
Entries 80
Mean 0.009713
Std Dev 1.202

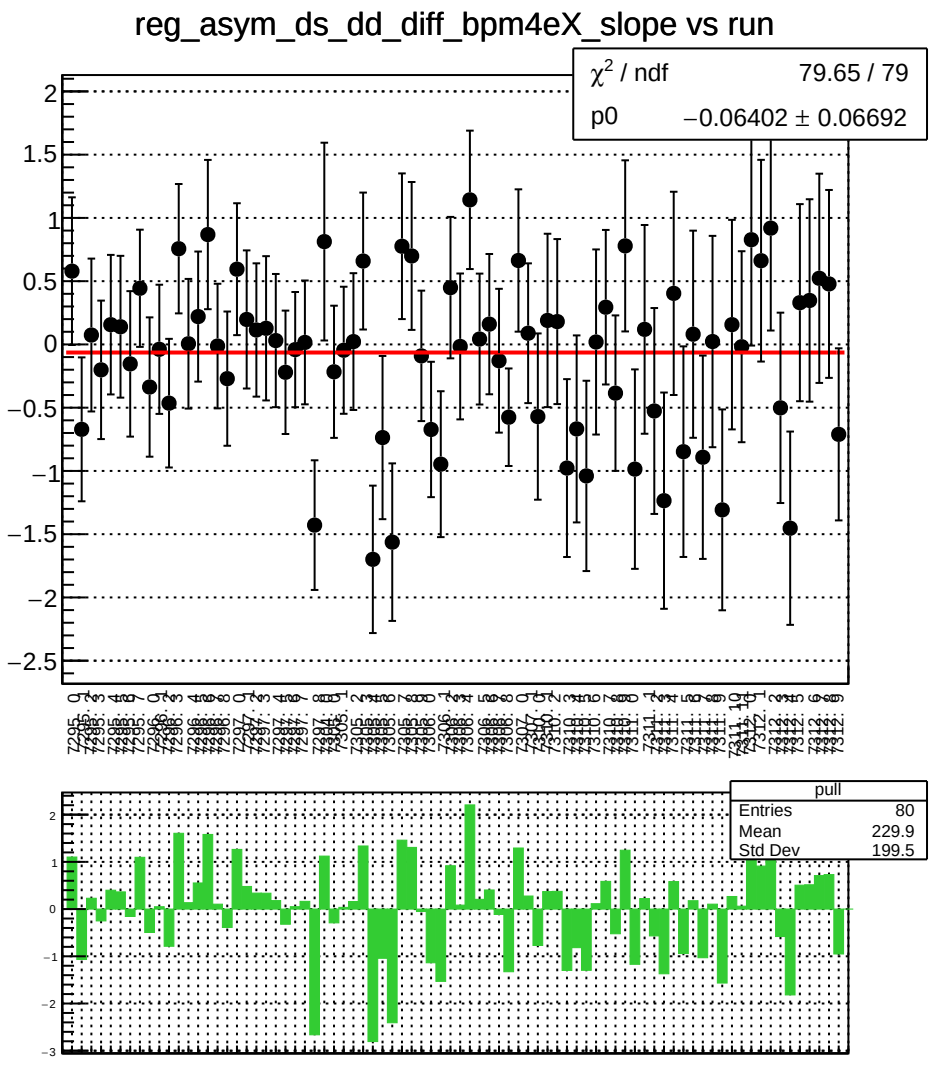

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 124.9 / 79
p0 −0.003607 ± 0.002837
pull
Entries 80
Mean 90.19
Std Dev 29.84

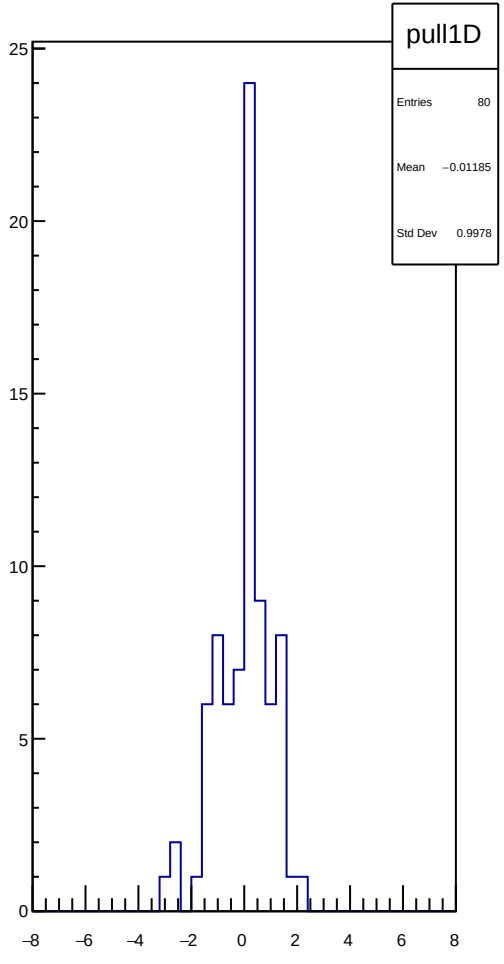

pull1D
Entries 80
Mean 0.04848
Std Dev 1.249

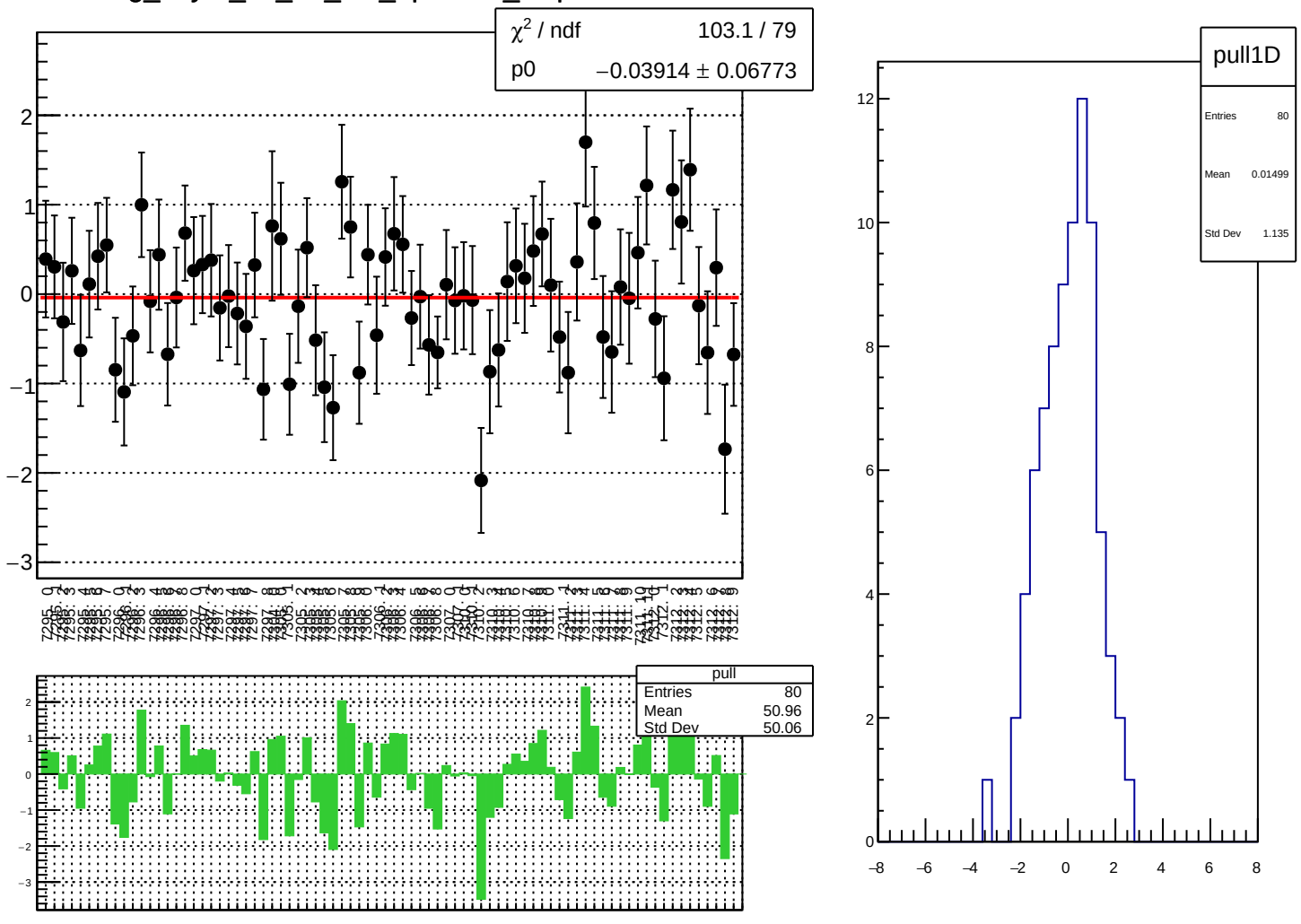

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 75.54 / 79
p0 0.07175 ± 0.06759
pull
Entries 80
Mean 264.9
Std Dev 237.5
pull1D
Entries 80
Mean 0.007811
Std Dev 0.9717

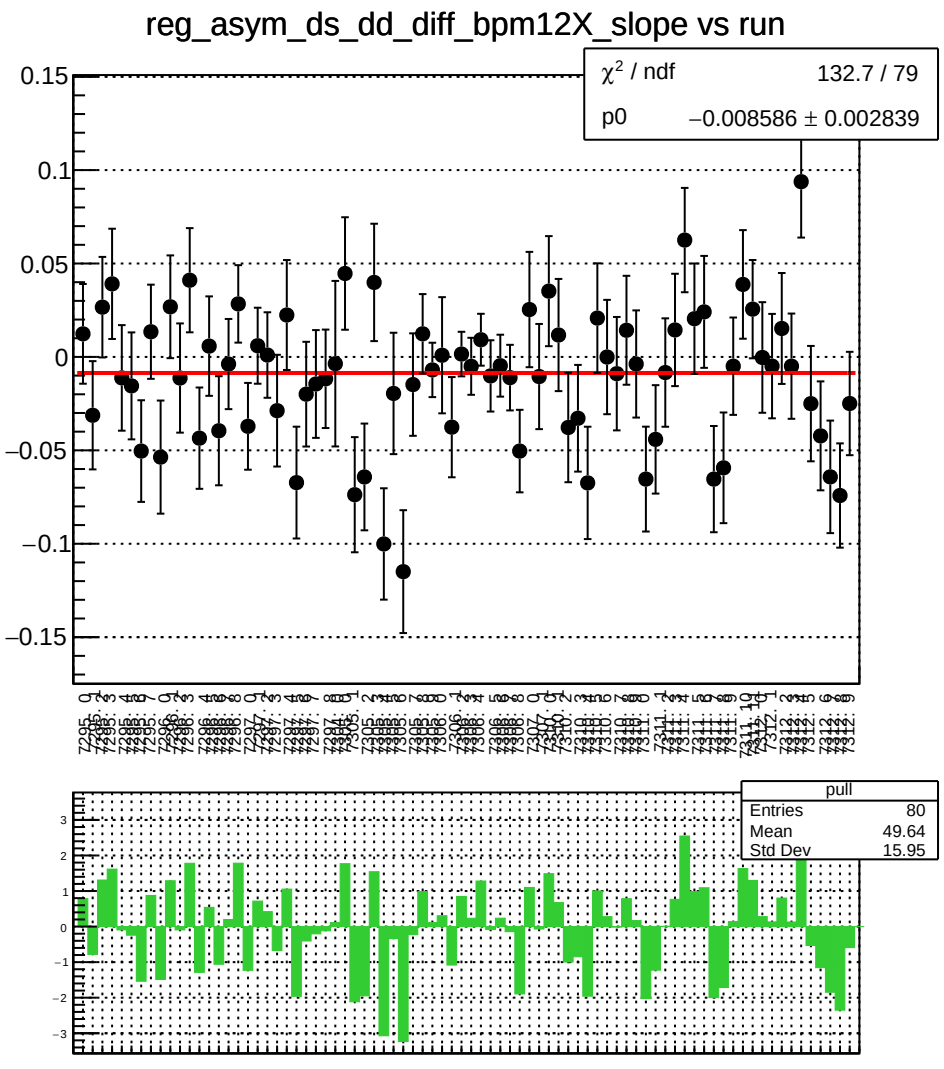

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.96 / 79
p0 0.04185 ± 0.06322
pull
Entries 80
Mean 39.41
Std Dev 55.27

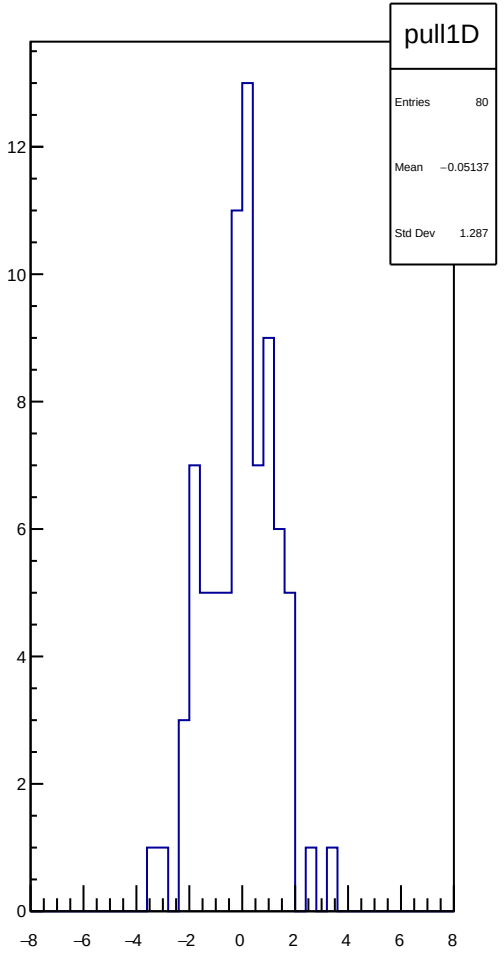

pull1D
Entries 80
Mean −0.01413
Std Dev 1.066

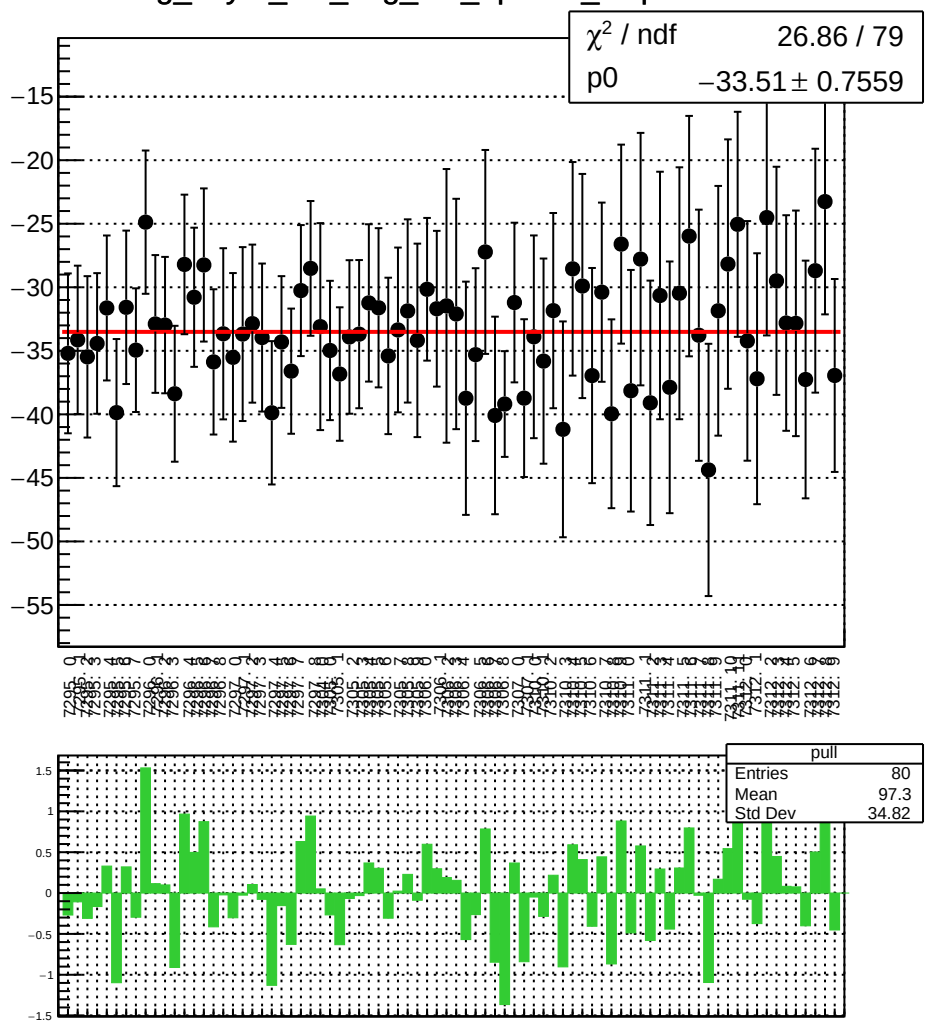

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.65 / 79
p0 −0.06402 ± 0.06692
pull
Entries 80
Mean 229.9
Std Dev 199.5

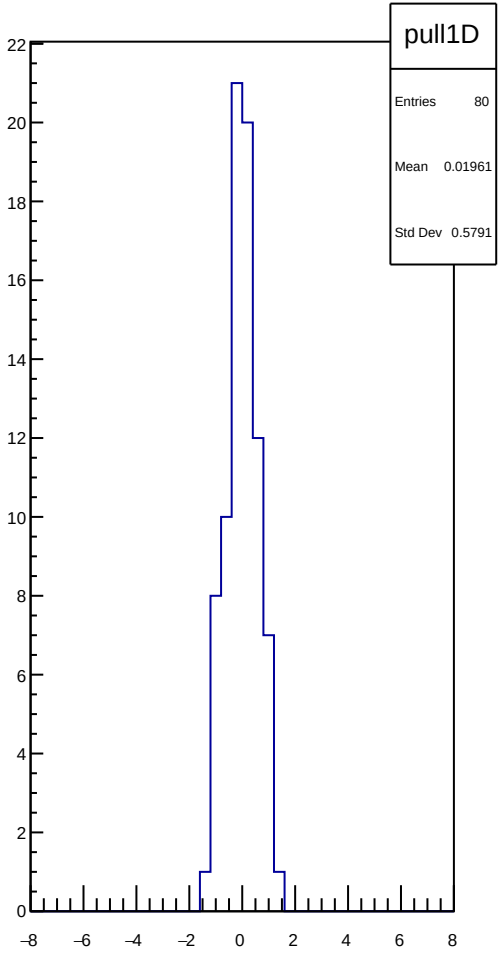

pull1D
Entries 80
Mean −0.01185
Std Dev 0.9978

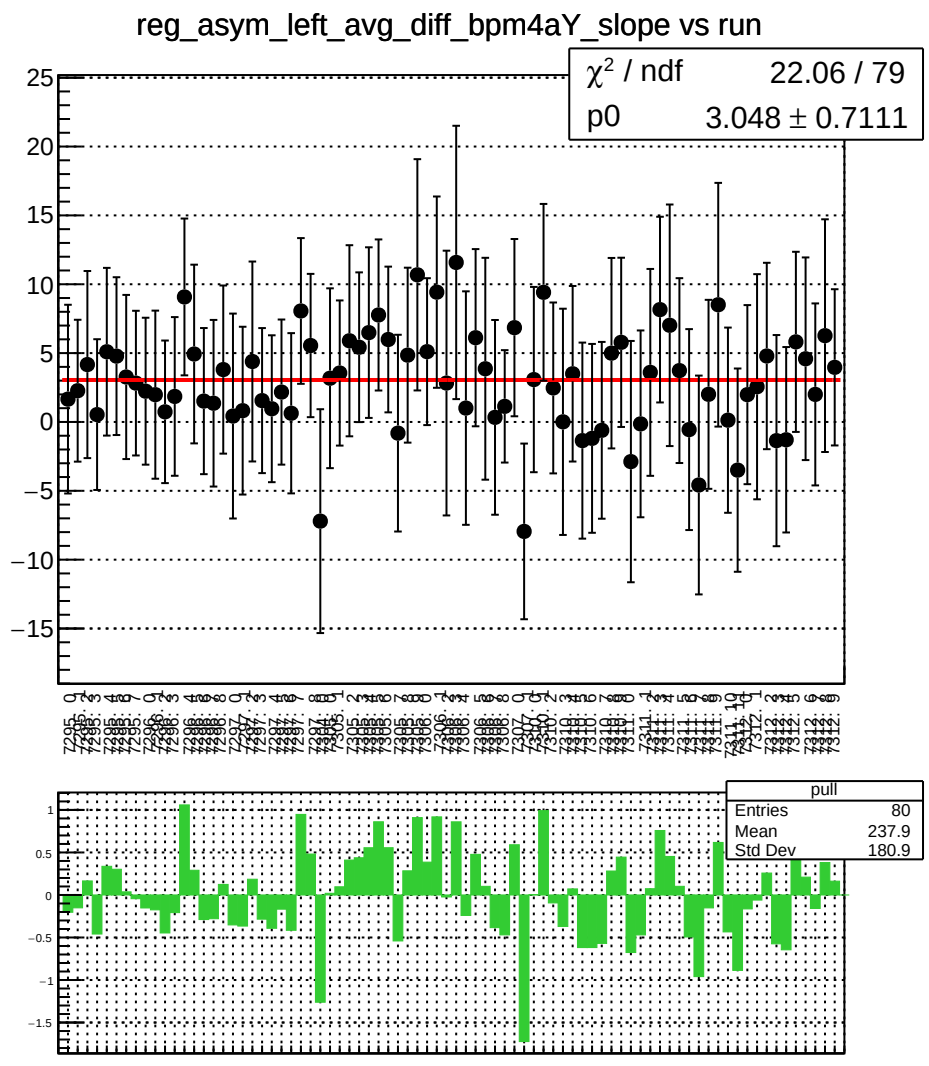

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 103.1 / 79
p0 −0.03914 ± 0.06773
pull
Entries 80
Mean 50.96
Std Dev 50.06
pull1D
Entries 80
Mean 0.01499
Std Dev 1.135

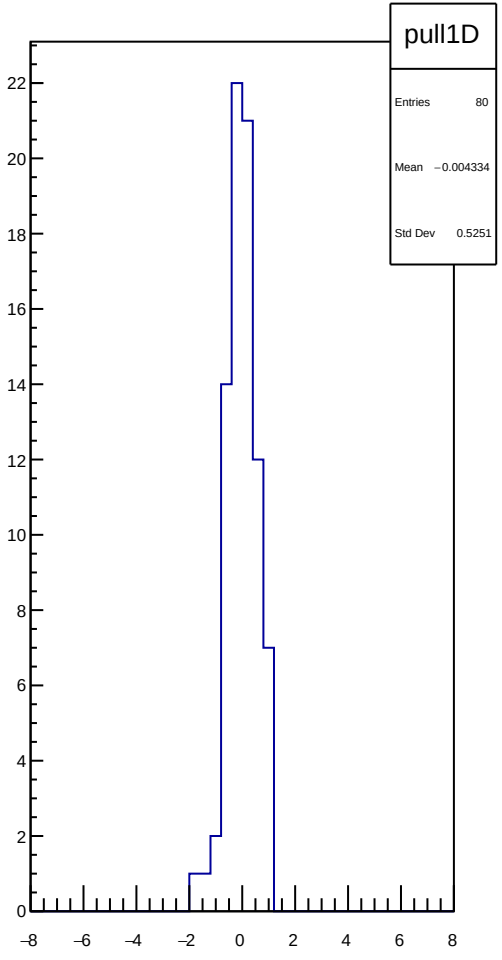

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 132.7 / 79
p0 −0.008586 ± 0.002839
pull
Entries 80
Mean 49.64
Std Dev 15.95

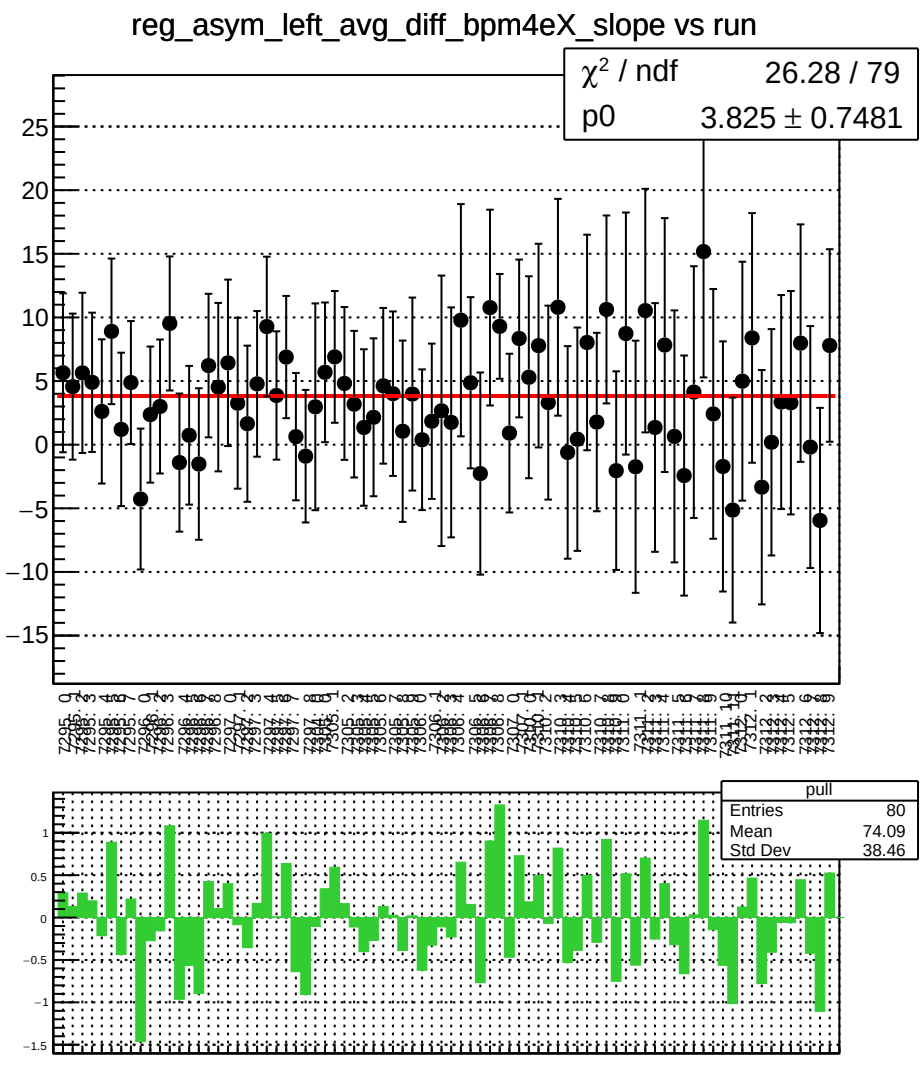

pull1D
Entries 80
Mean −0.05137
Std Dev 1.287

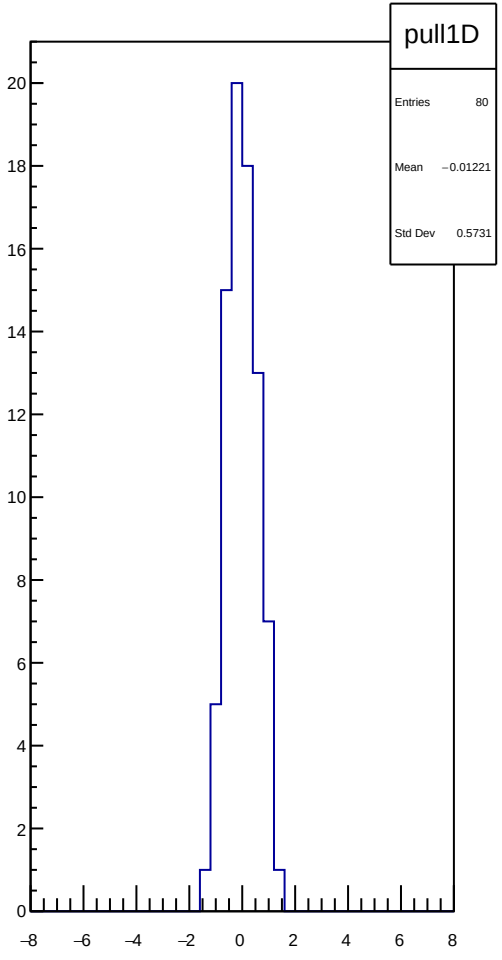

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 26.86 / 79
p0 −33.51 ± 0.7559
pull
Entries 80
Mean 97.3
Std Dev 34.82

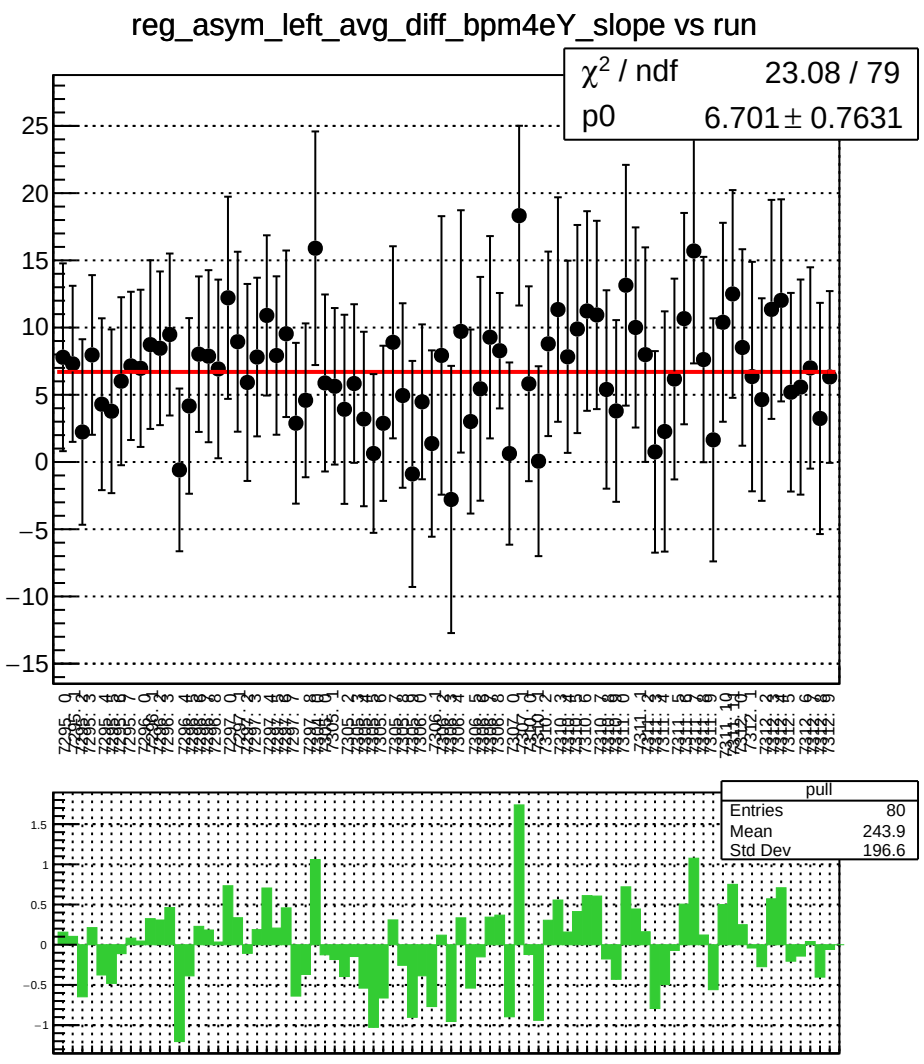

pull1D
Entries 80
Mean 0.01961
Std Dev 0.5791

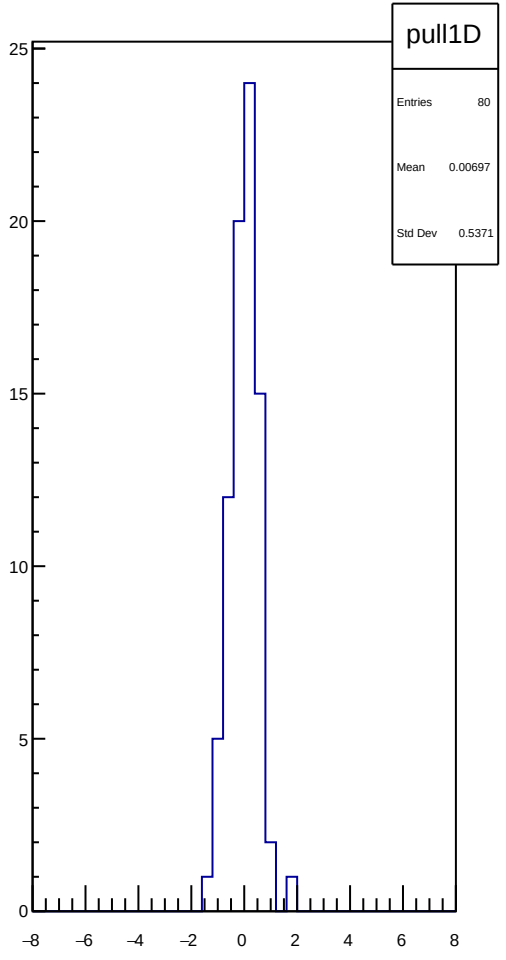

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.06 / 79
p0 3.048 ± 0.7111
pull
Entries 80
Mean 237.9
Std Dev 180.9

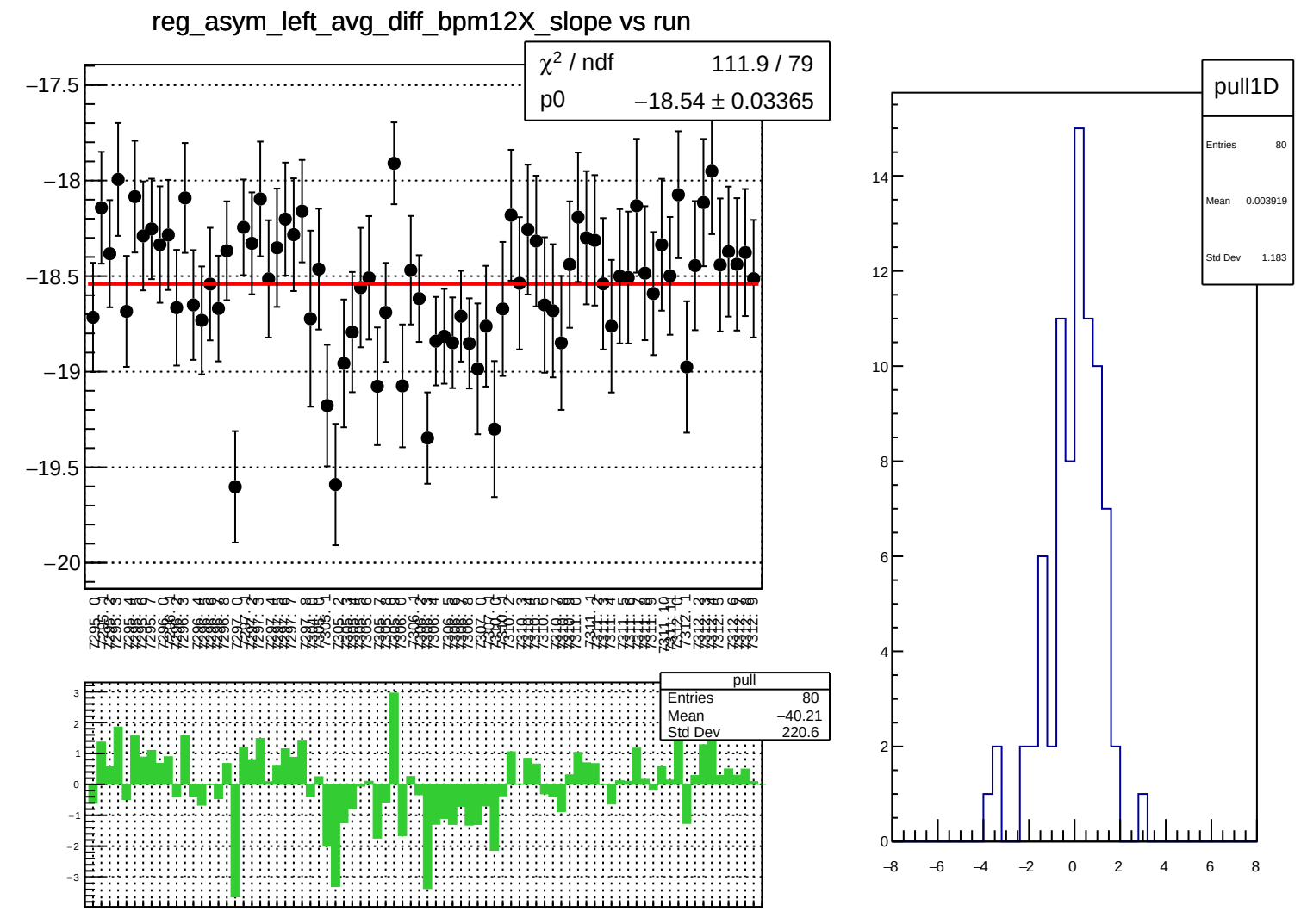

pull1D
Entries 80
Mean −0.004334
Std Dev 0.5251

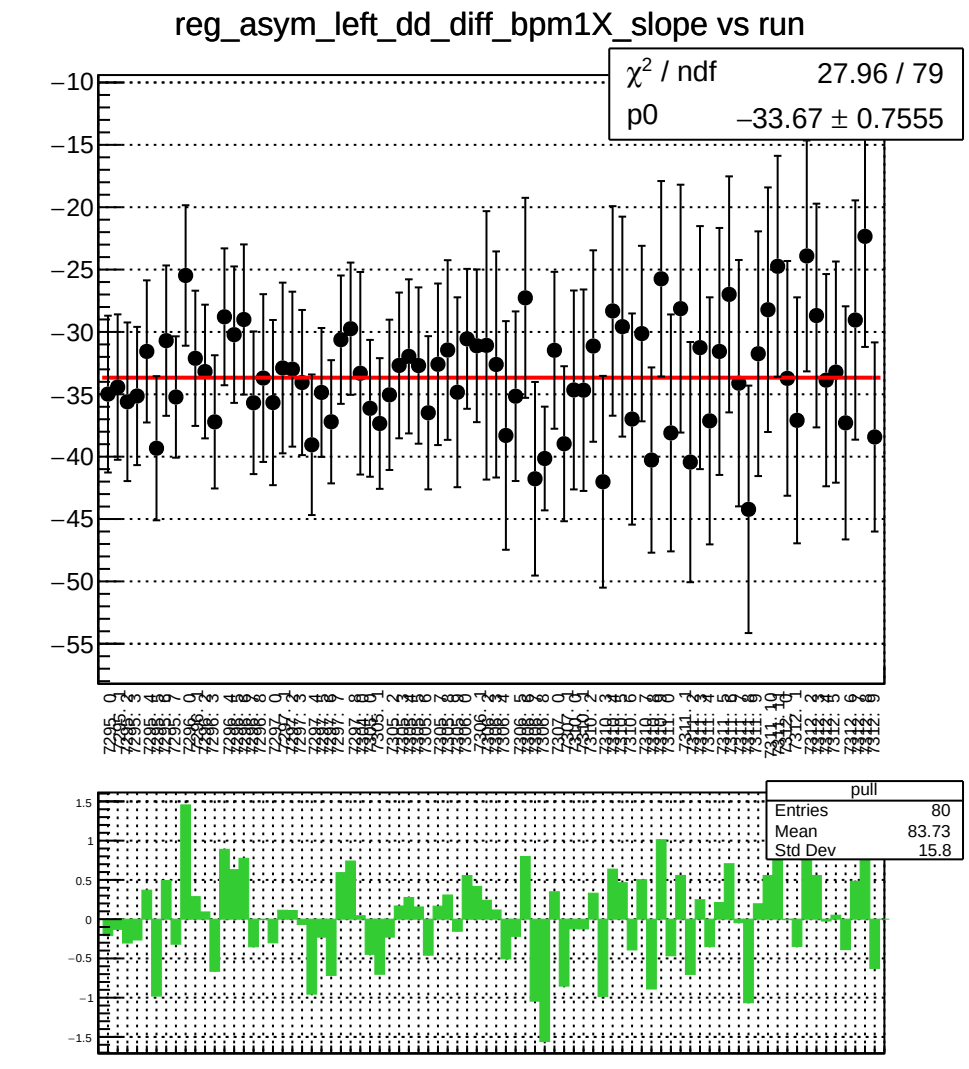

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.28 / 79
p0 3.825 ± 0.7481
pull
Entries 80
Mean 74.09
Std Dev 38.46

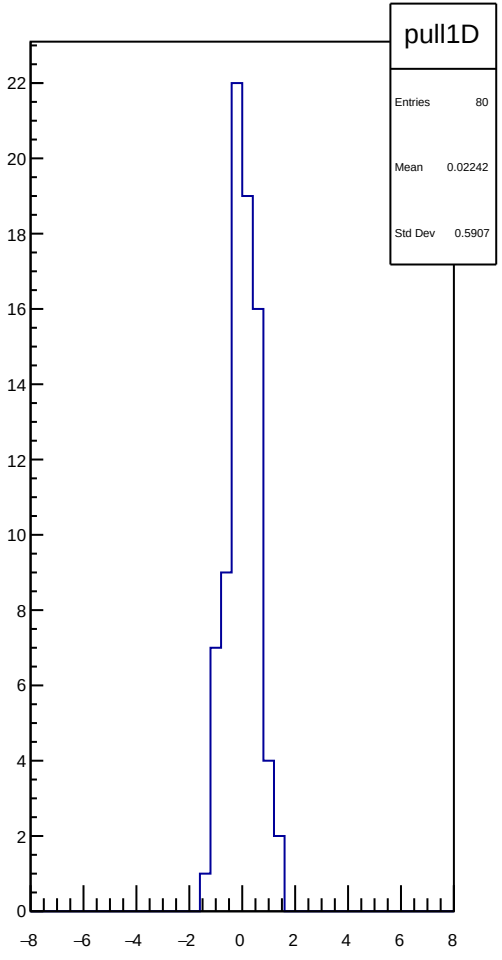

pull1D
Entries 80
Mean −0.01221
Std Dev 0.5731

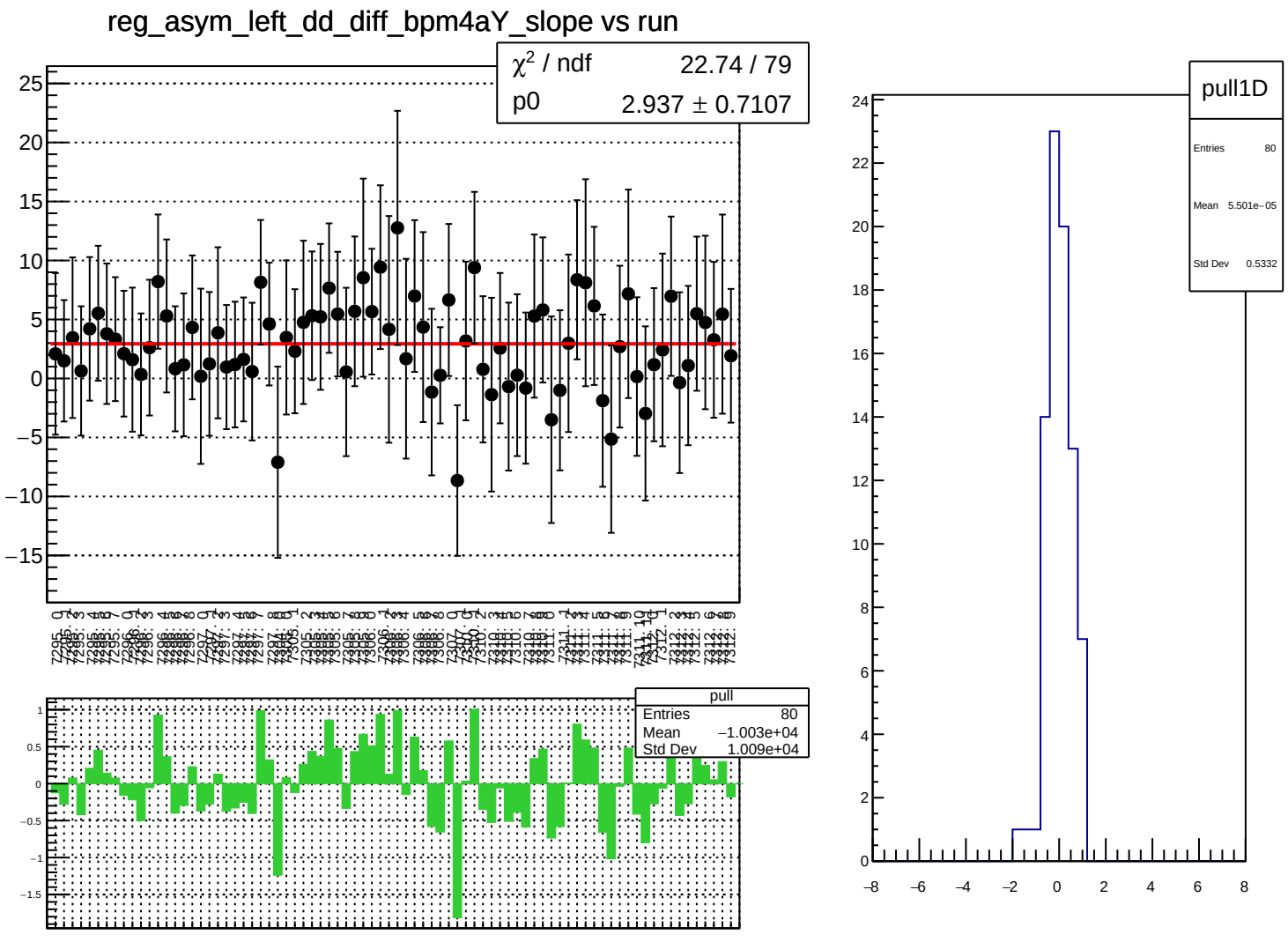

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.08 / 79
p0 6.701 ± 0.7631
pull
Entries 80
Mean 243.9
Std Dev 196.6

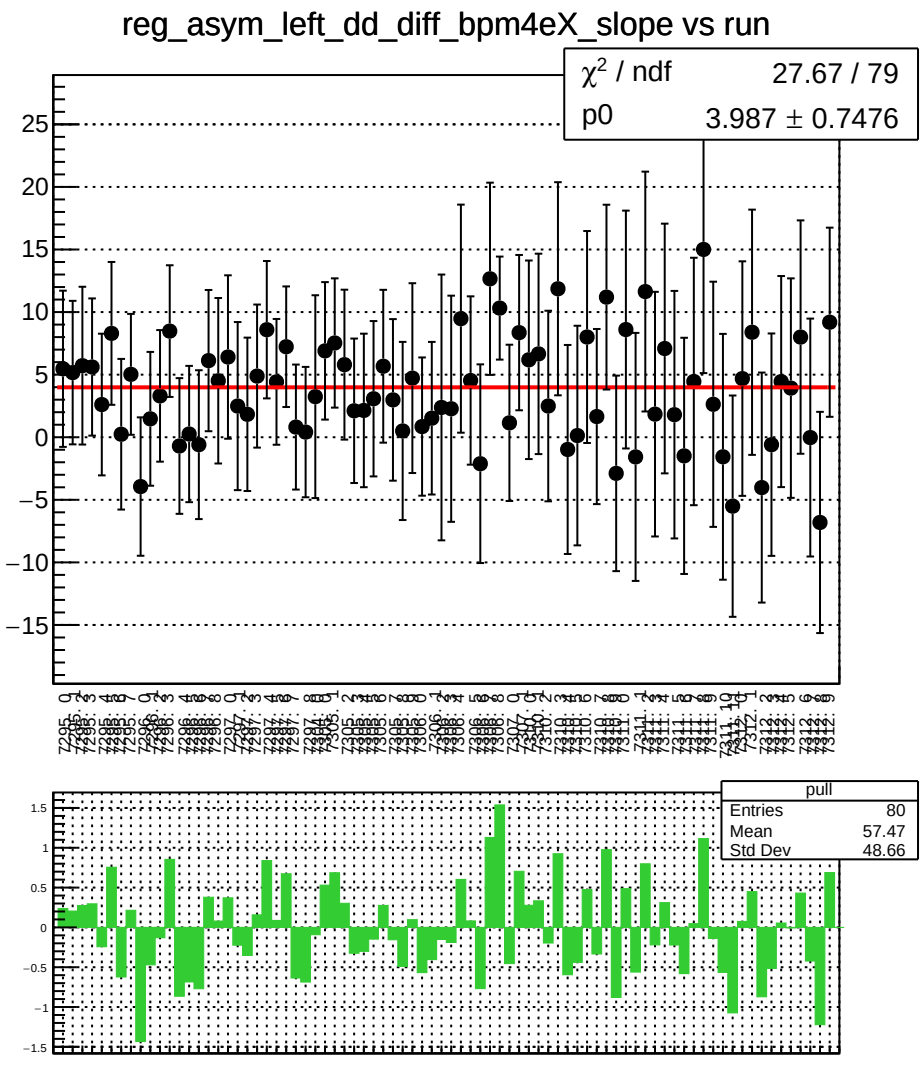

pull1D
Entries 80
Mean 0.00697
Std Dev 0.5371

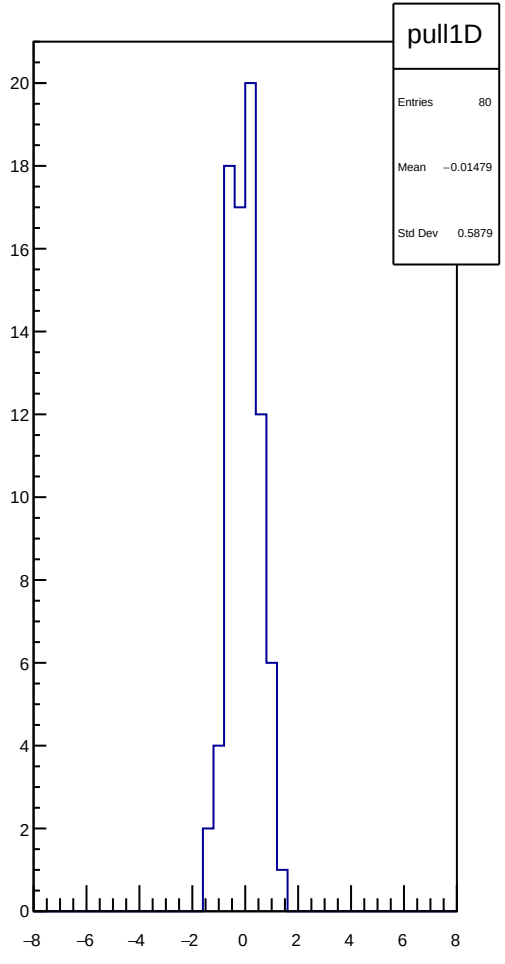

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 111.9 / 79
p0 −18.54 ± 0.03365
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −40.21
Std Dev 220.6
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.003919
Std Dev 1.183
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

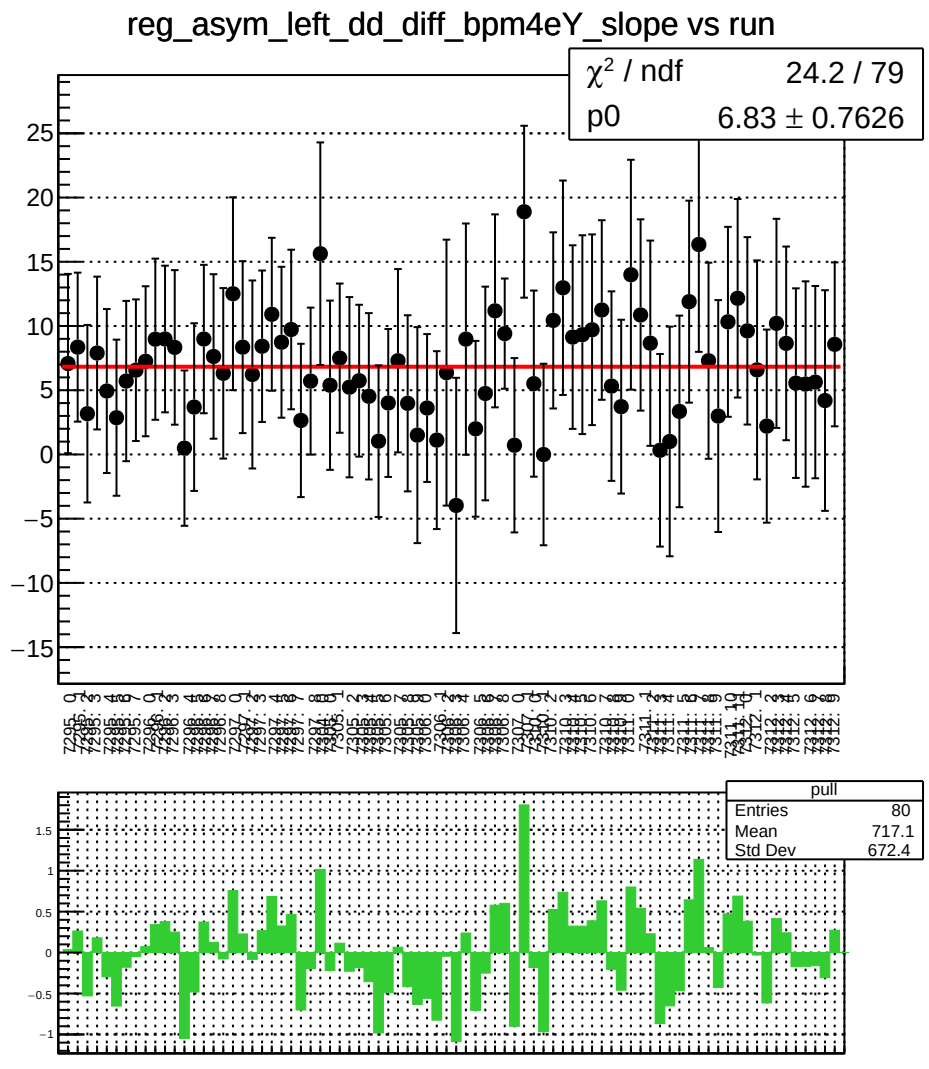

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 27.96 / 79
p0 −33.67 ± 0.7555
pull
Entries 80
Mean 83.73
Std Dev 15.8

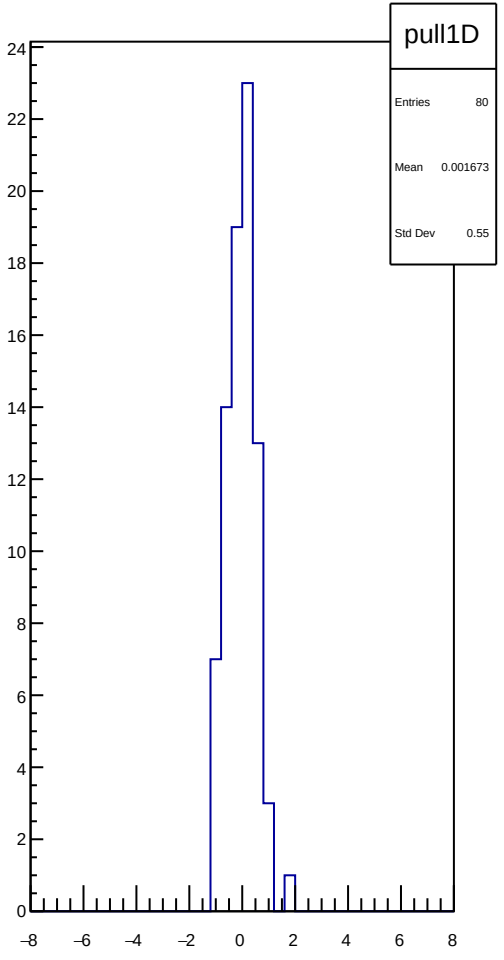

pull1D
Entries 80
Mean 0.02242
Std Dev 0.5907

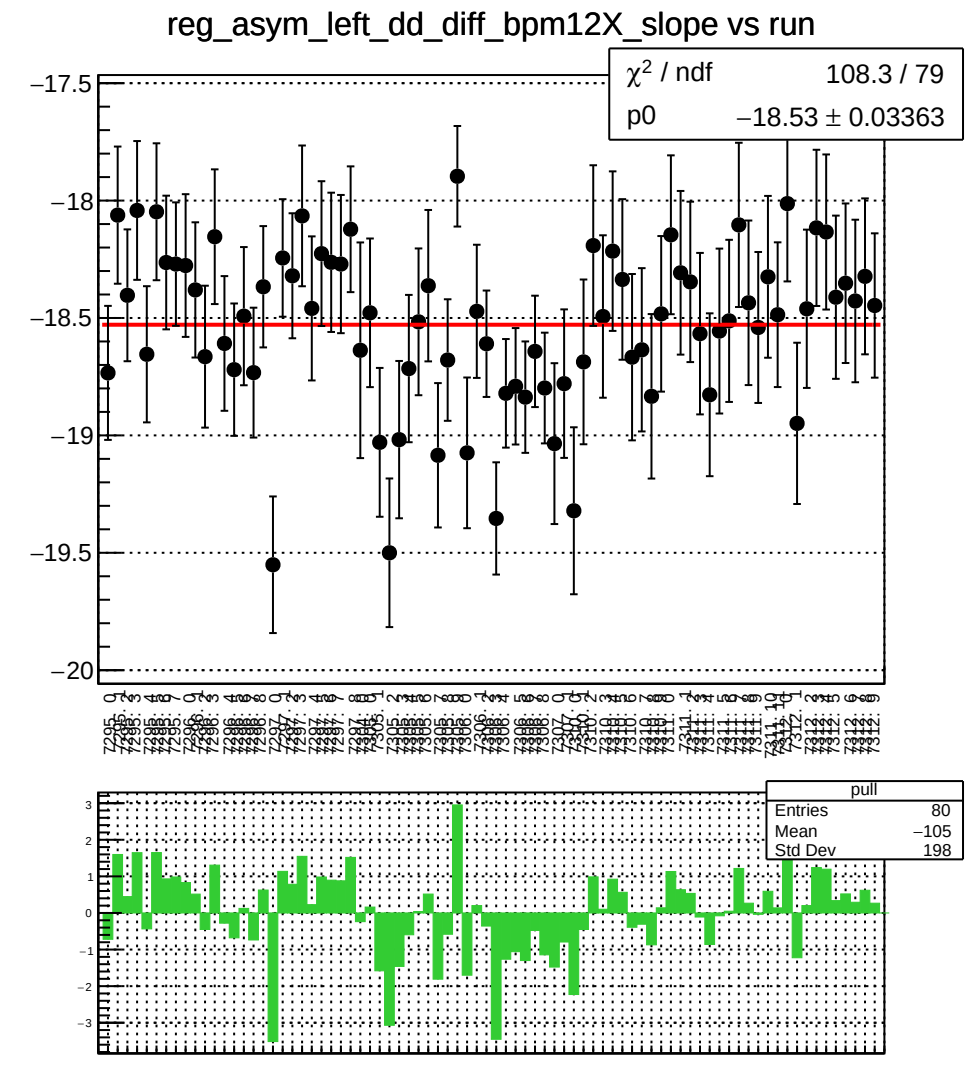

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.74 / 79
p0 2.937 ± 0.7107
pull
Entries 80
Mean −1.003e+04
Std Dev 1.009e+04
pull1D
Entries 80
Mean 5.501e−05
Std Dev 0.5332

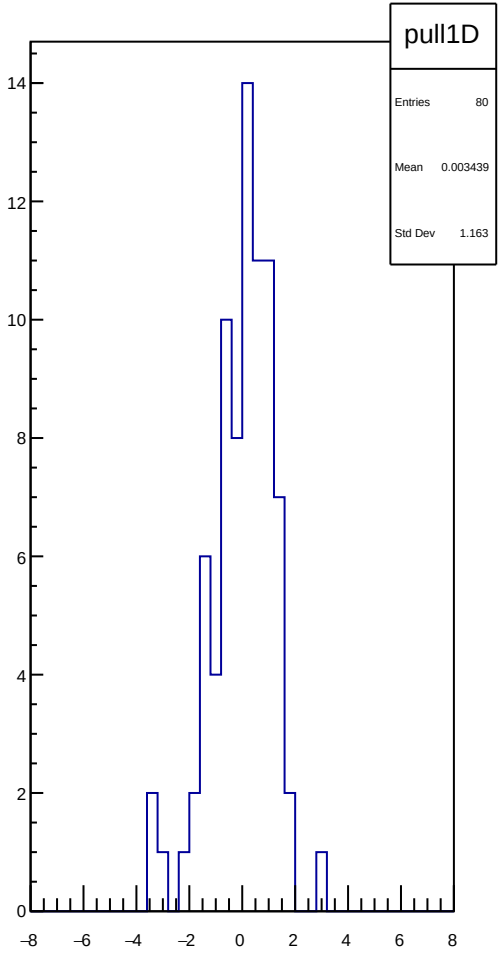

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.67 / 79
p0 3.987 ± 0.7476
pull
Entries 80
Mean 57.47
Std Dev 48.66

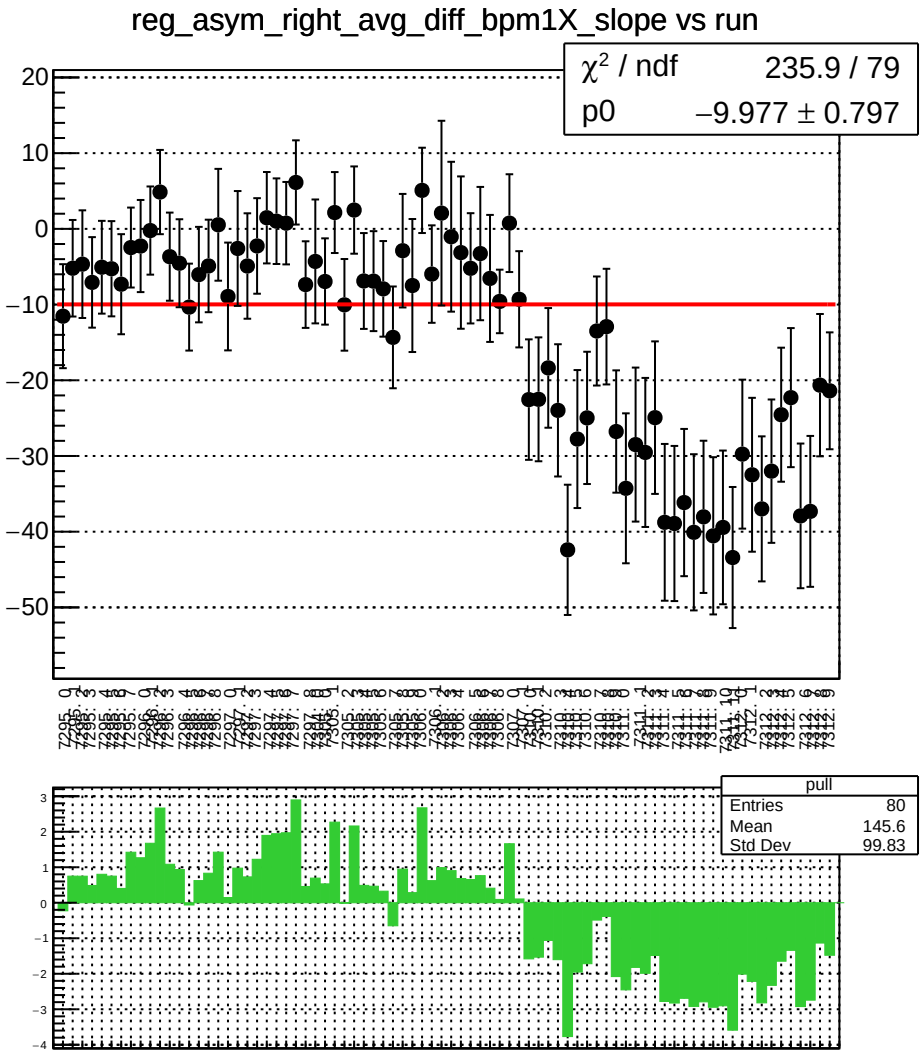

pull1D
Entries 80
Mean −0.01479
Std Dev 0.5879

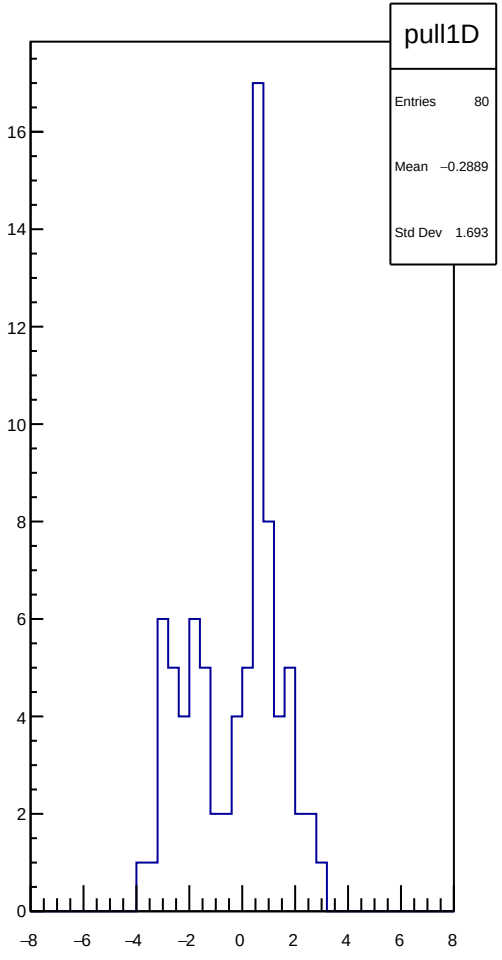

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.2 / 79
p0 6.83 ± 0.7626
pull
Entries 80
Mean 717.1
Std Dev 672.4

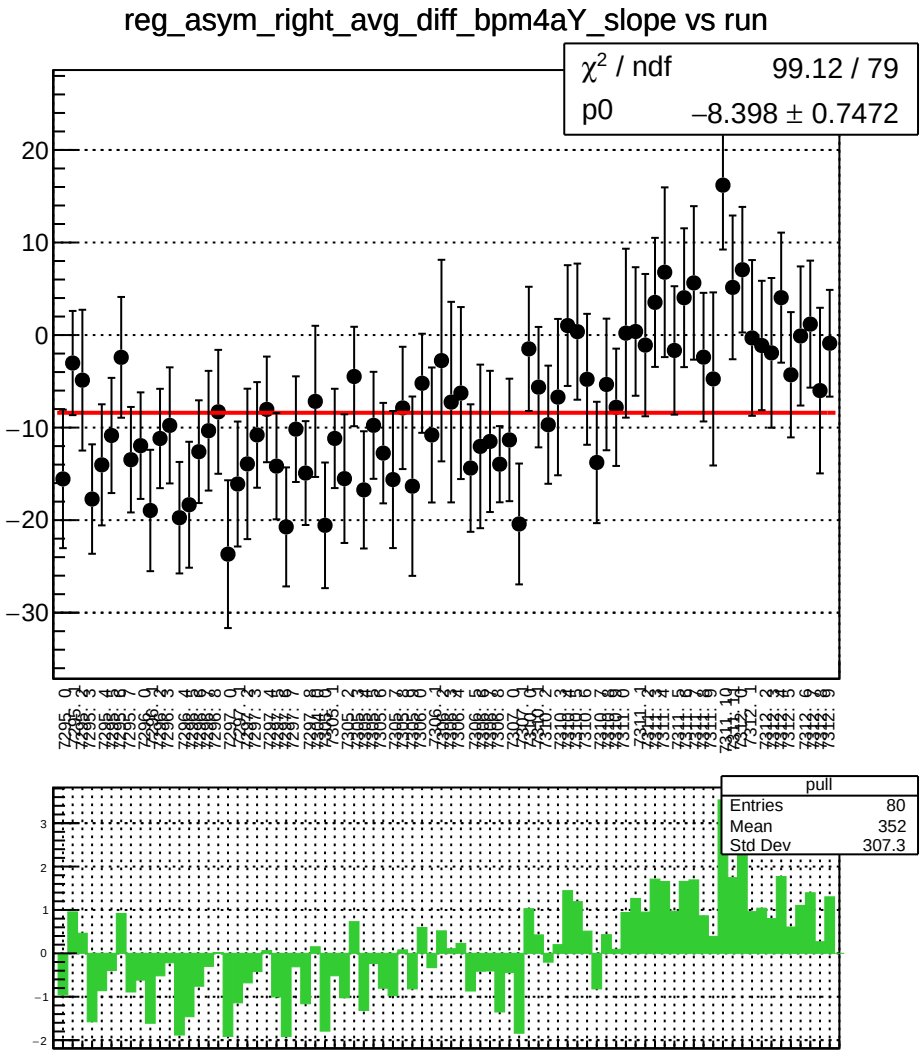

pull1D
Entries 80
Mean 0.001673
Std Dev 0.55

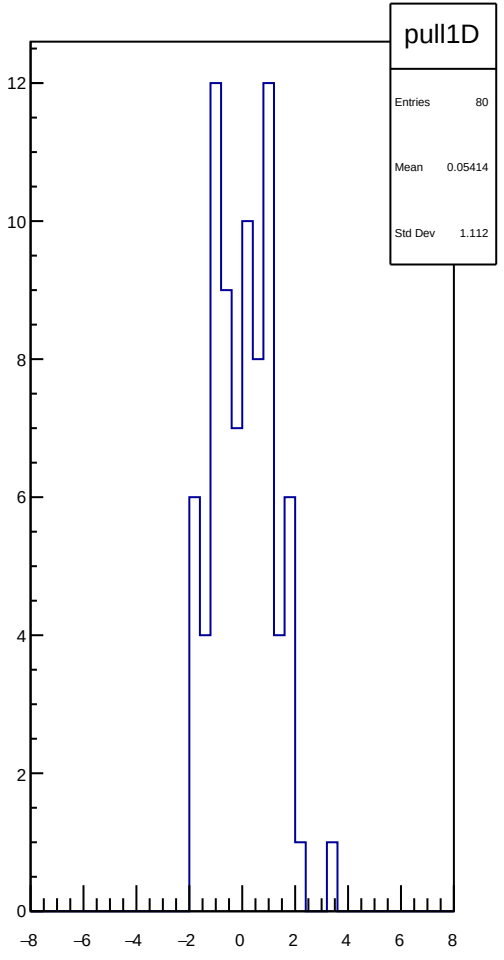

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 108.3 / 79
p0 −18.53 ± 0.03363
pull
Entries 80
Mean −105
Std Dev 198

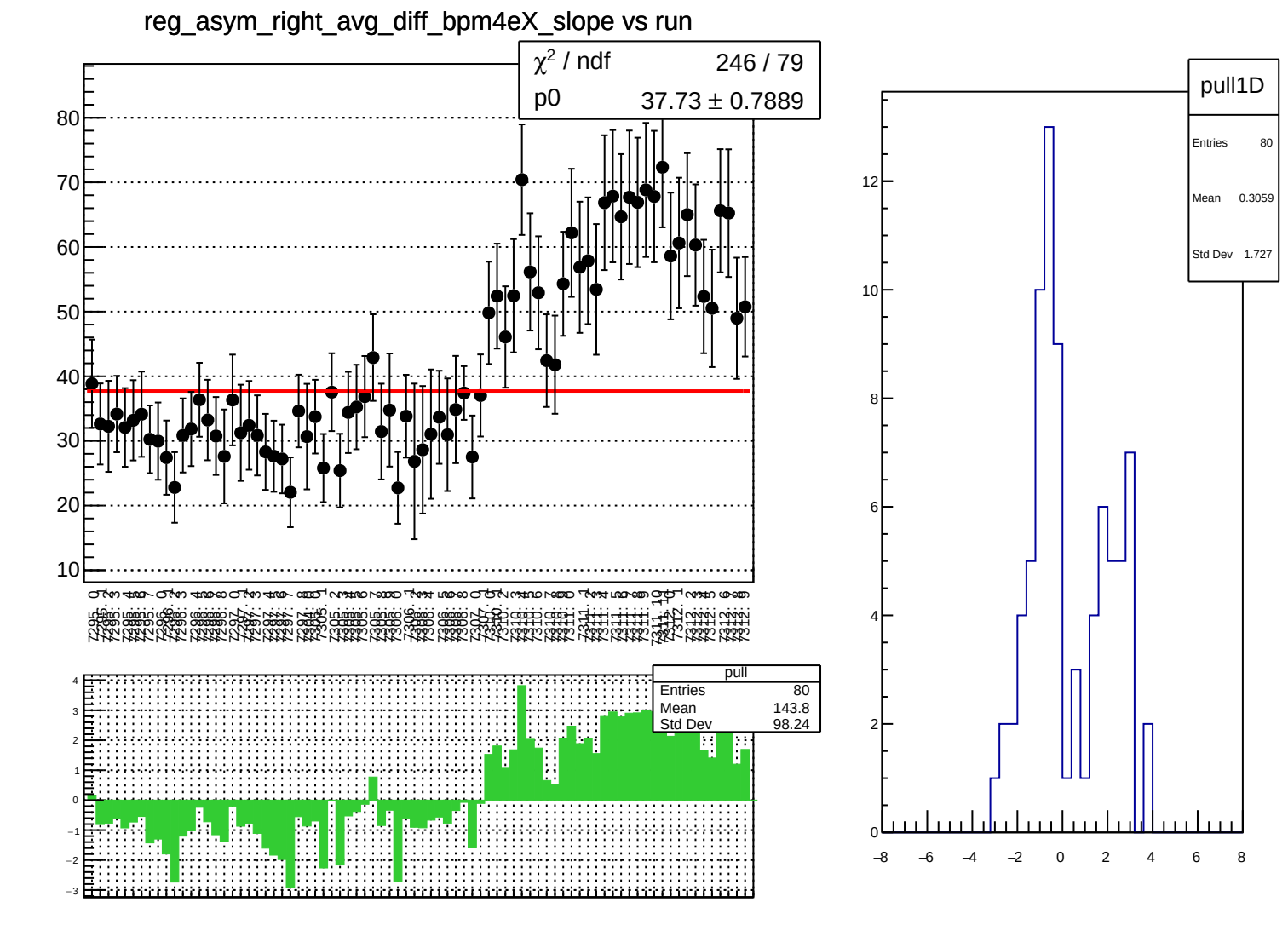

pull1D
Entries 80
Mean 0.003439
Std Dev 1.163

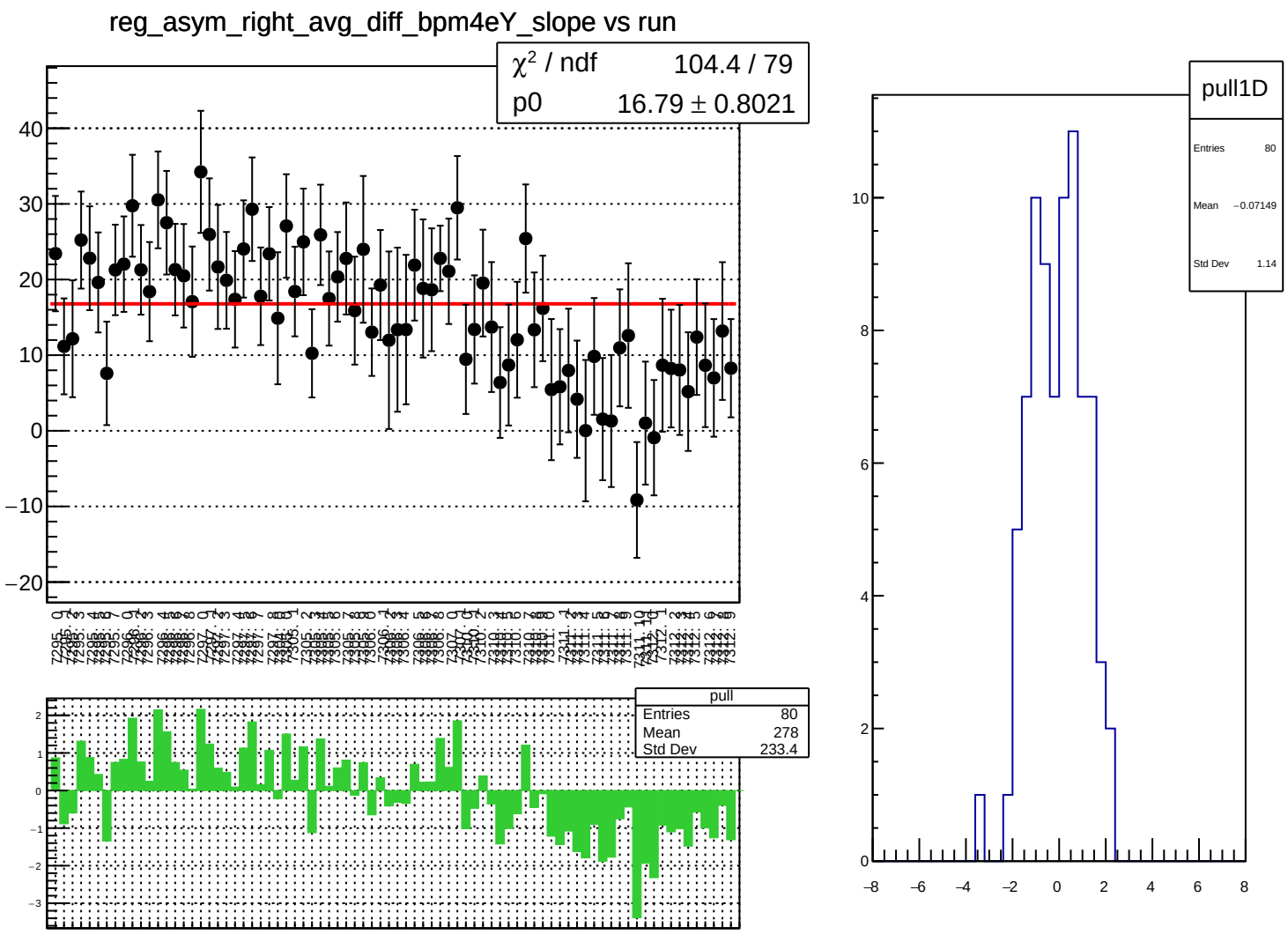

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 235.9 / 79
p0 −9.977 ± 0.797
pull
Entries 80
Mean 145.6
Std Dev 99.83

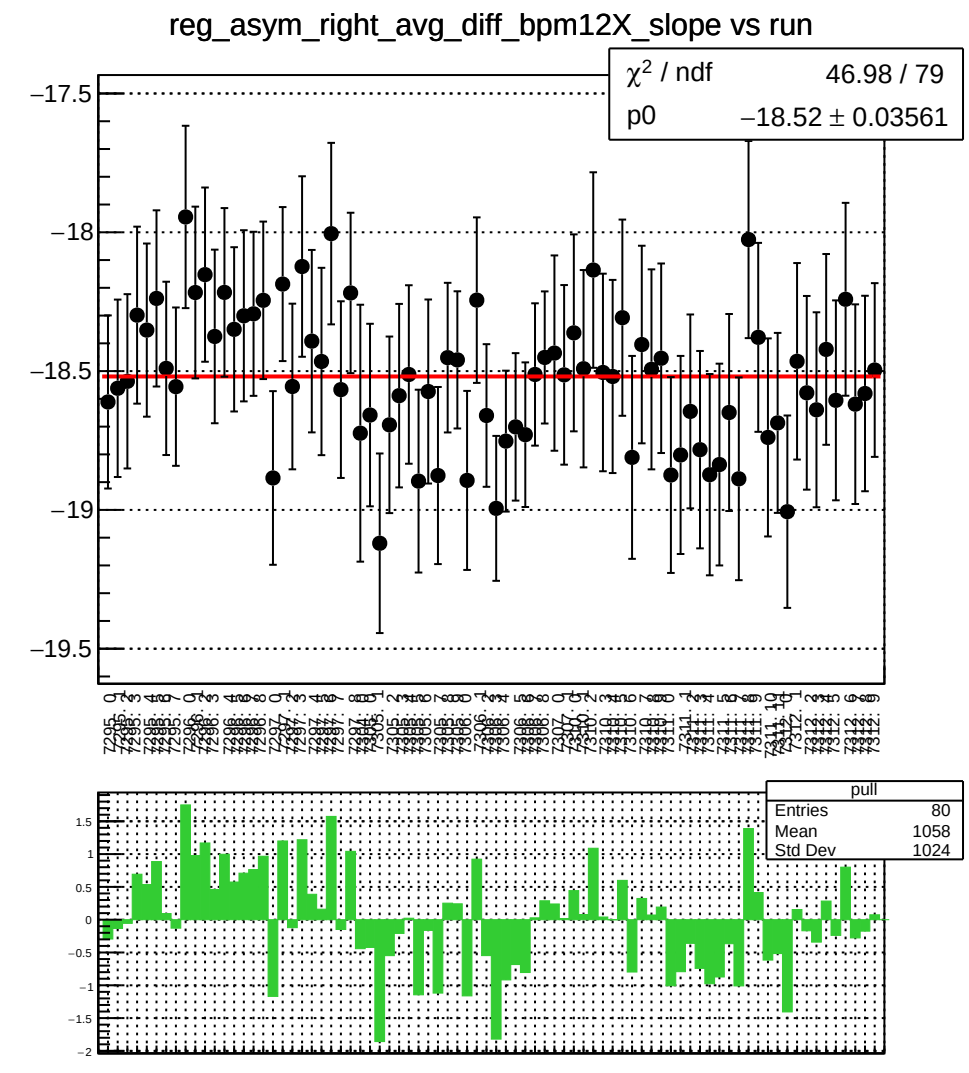

pull1D
Entries 80
Mean −0.2889
Std Dev 1.693

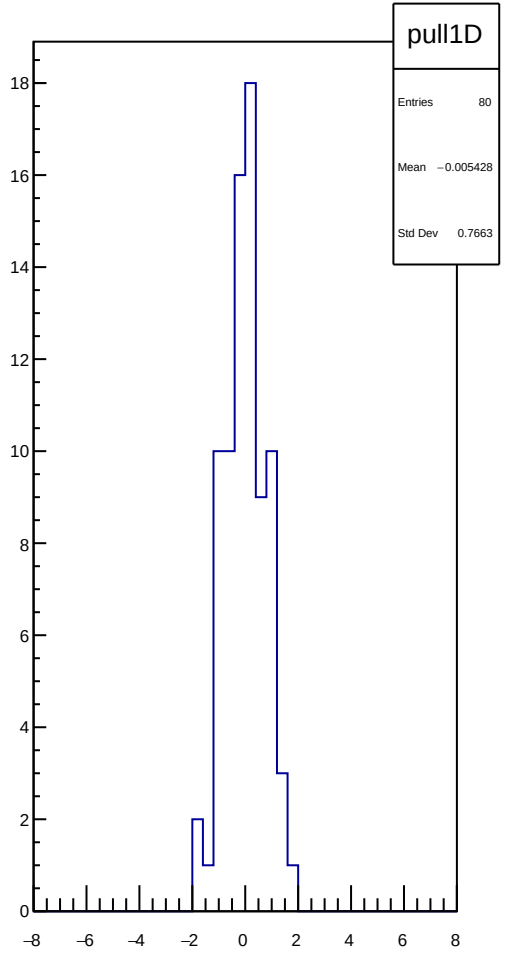

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.12 / 79
p0 −8.398 ± 0.7472
pull
Entries 80
Mean 352
Std Dev 307.3

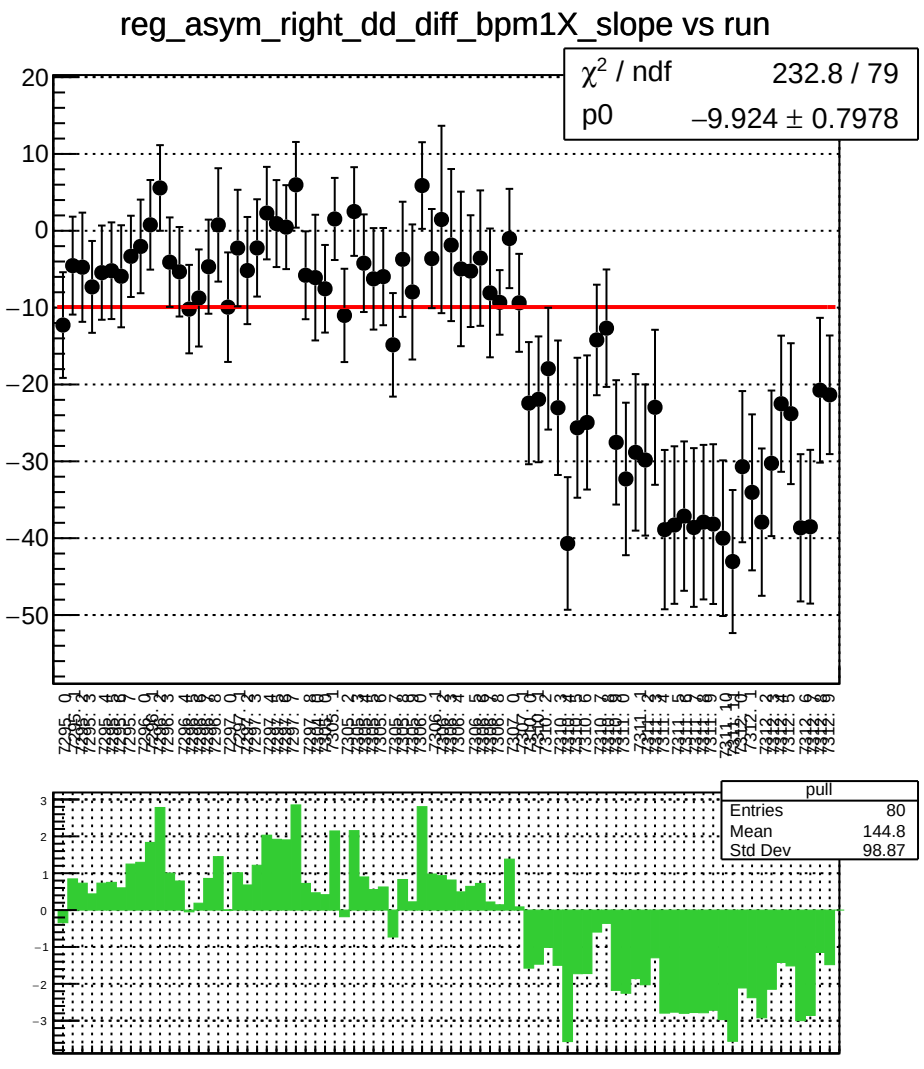

pull1D
Entries 80
Mean 0.05414
Std Dev 1.112

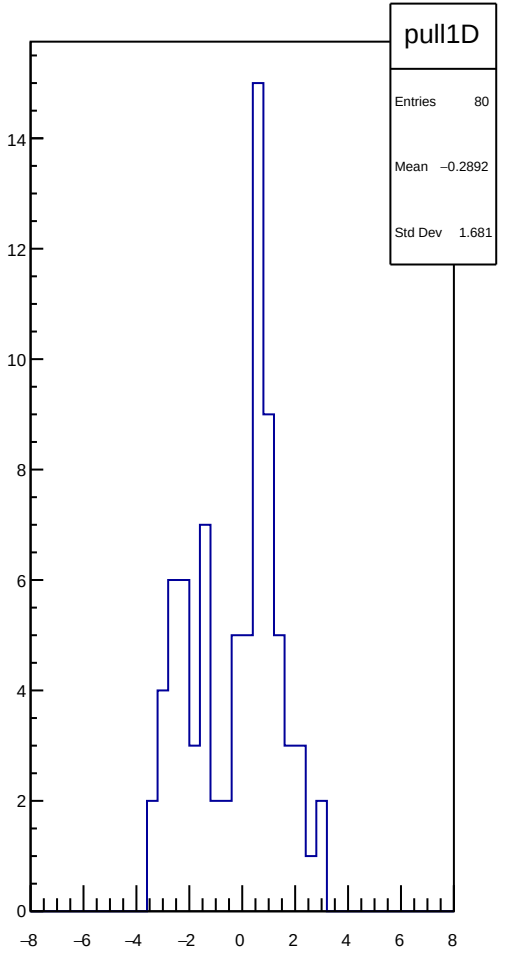

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 246 / 79
p0 37.73 ± 0.7889
pull
Entries 80
Mean 143.8
Std Dev 98.24
pull1D
Entries 80
Mean 0.3059
Std Dev 1.727

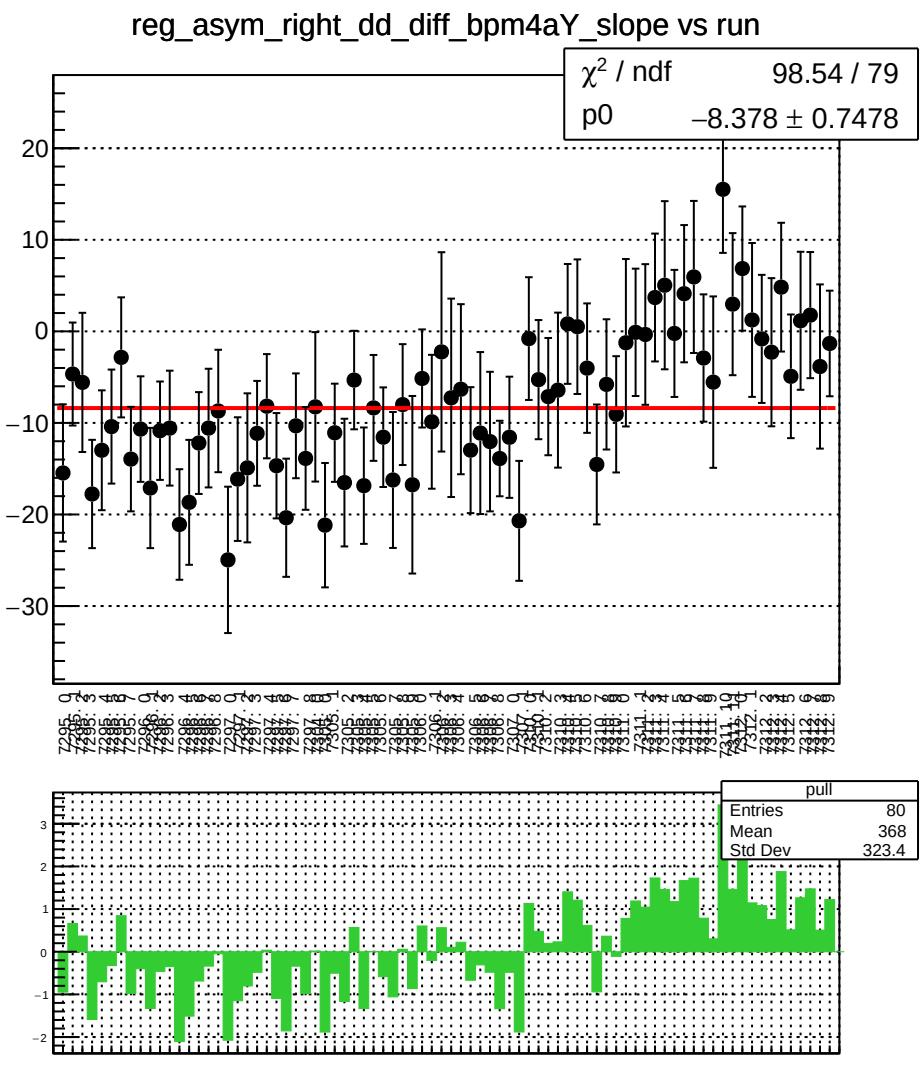

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.4 / 79
p0 16.79 ± 0.8021
pull
Entries 80
Mean 278
Std Dev 233.4
pull1D
Entries 80
Mean −0.07149
Std Dev 1.14

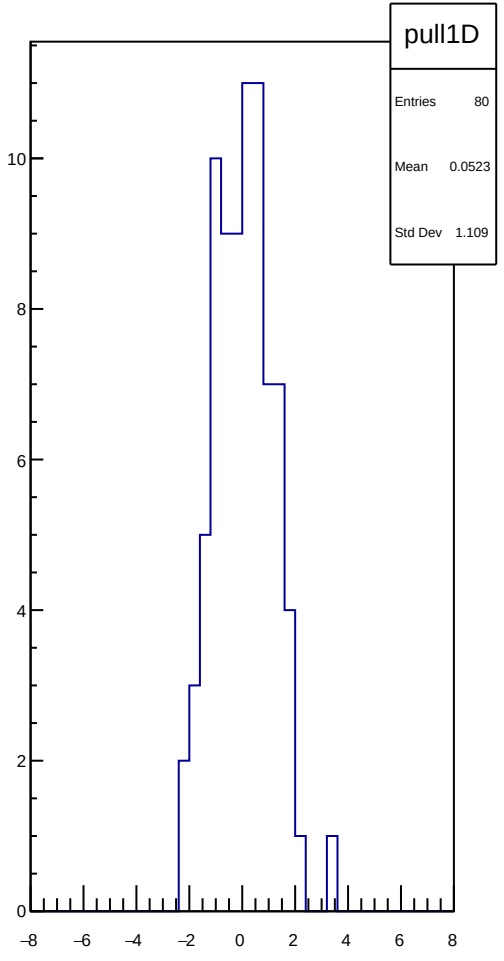

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 46.98 / 79
p0 −18.52 ± 0.03561
−17.5
−18
−18.5
−19
−19.5
pull
Entries 80
Mean 1058
Std Dev 1024
1.5
1
0.5
0
−0.5
−1
−1.5
−2

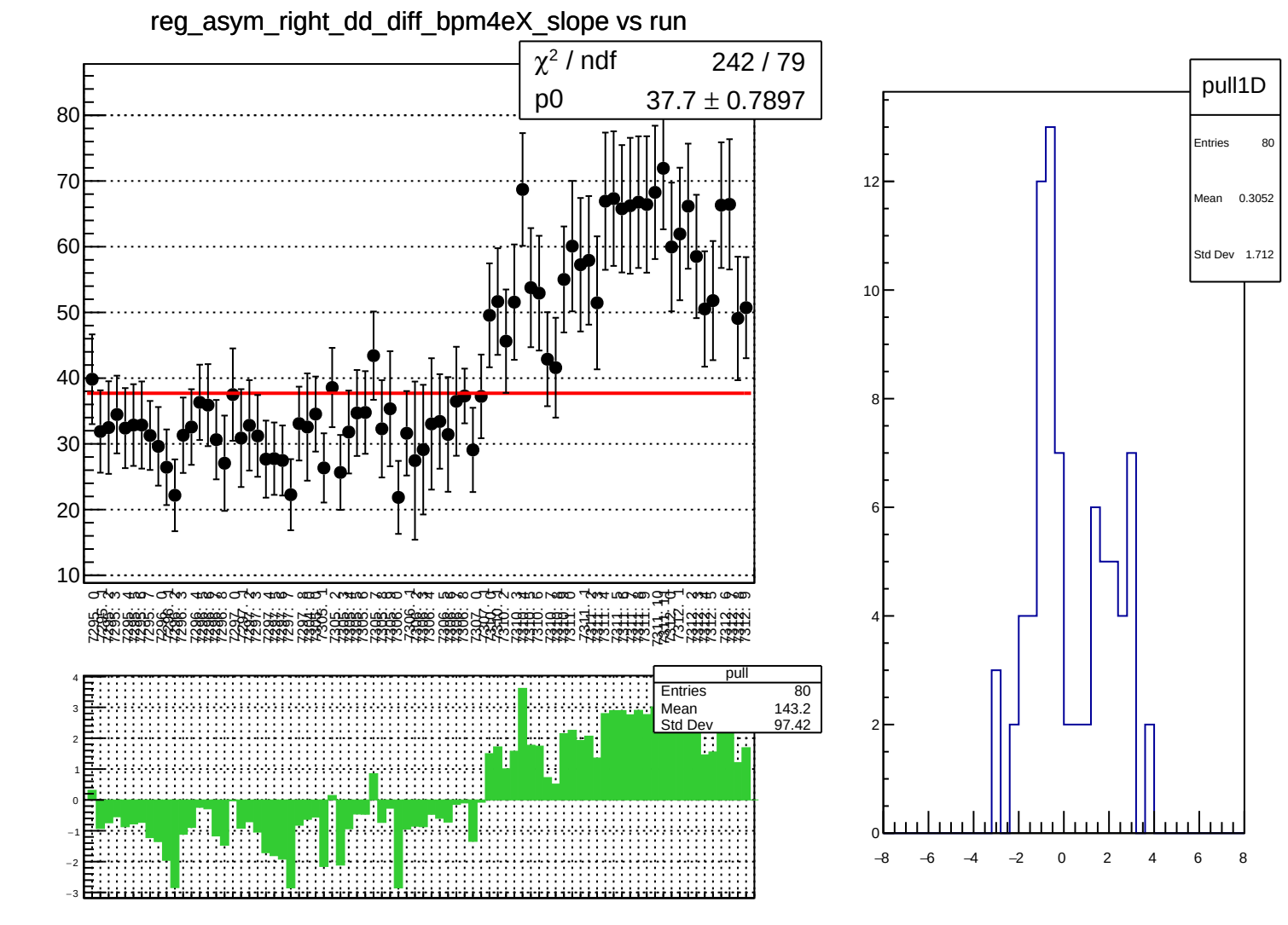

pull1D
Entries 80
Mean −0.005428
Std Dev 0.7663
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

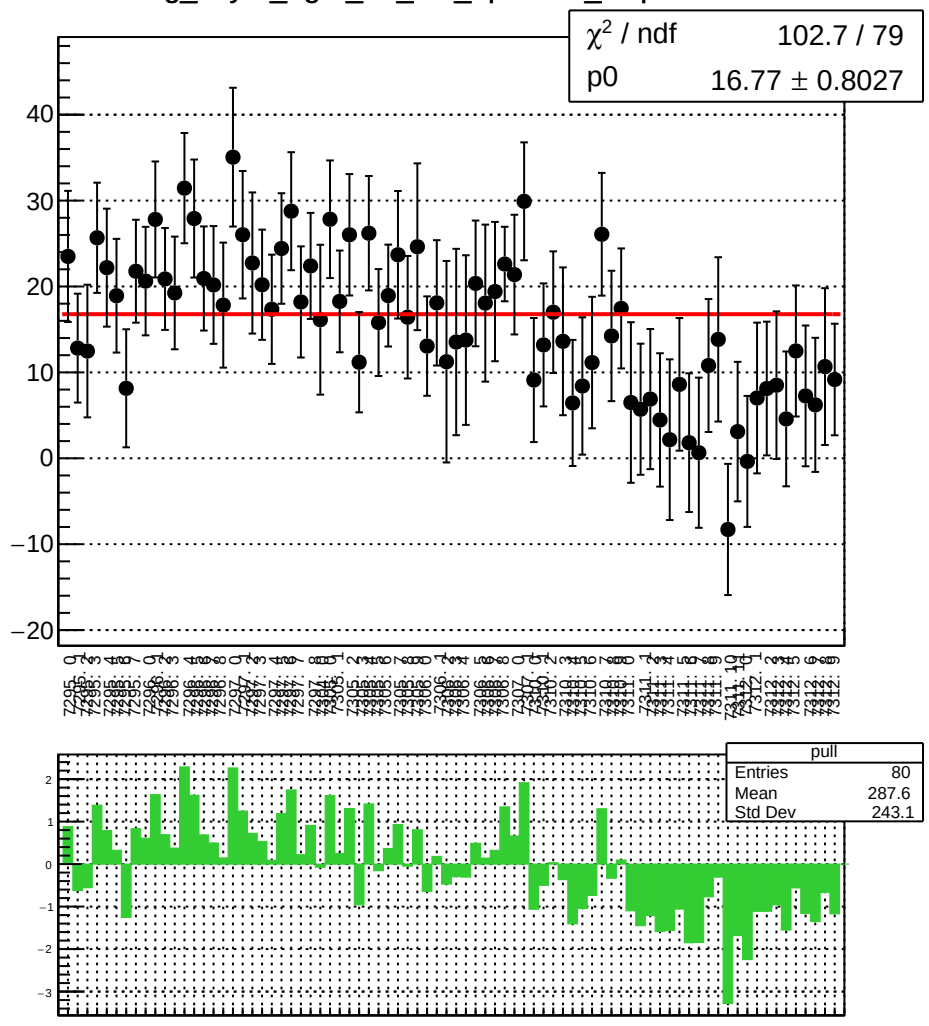

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 232.8 / 79
p0 −9.924 ± 0.7978
pull
Entries 80
Mean 144.8
Std Dev 98.87

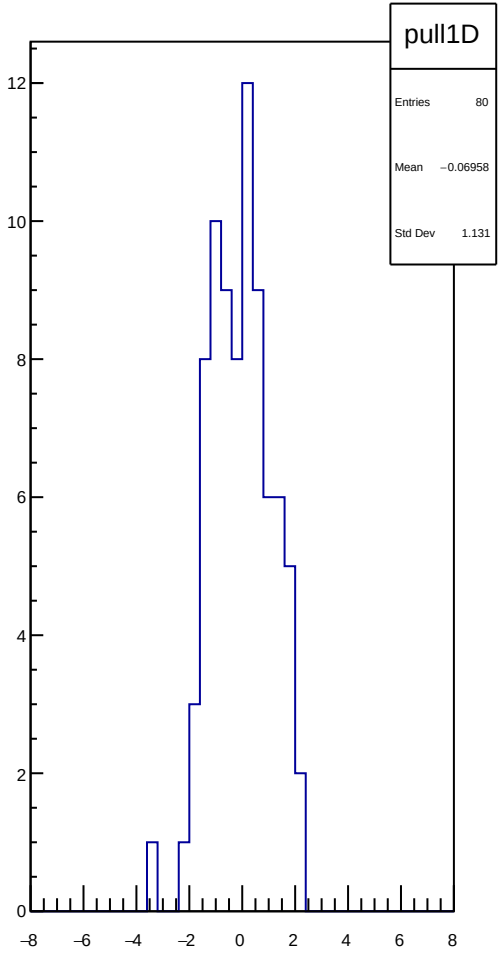

pull1D
Entries 80
Mean −0.2892
Std Dev 1.681

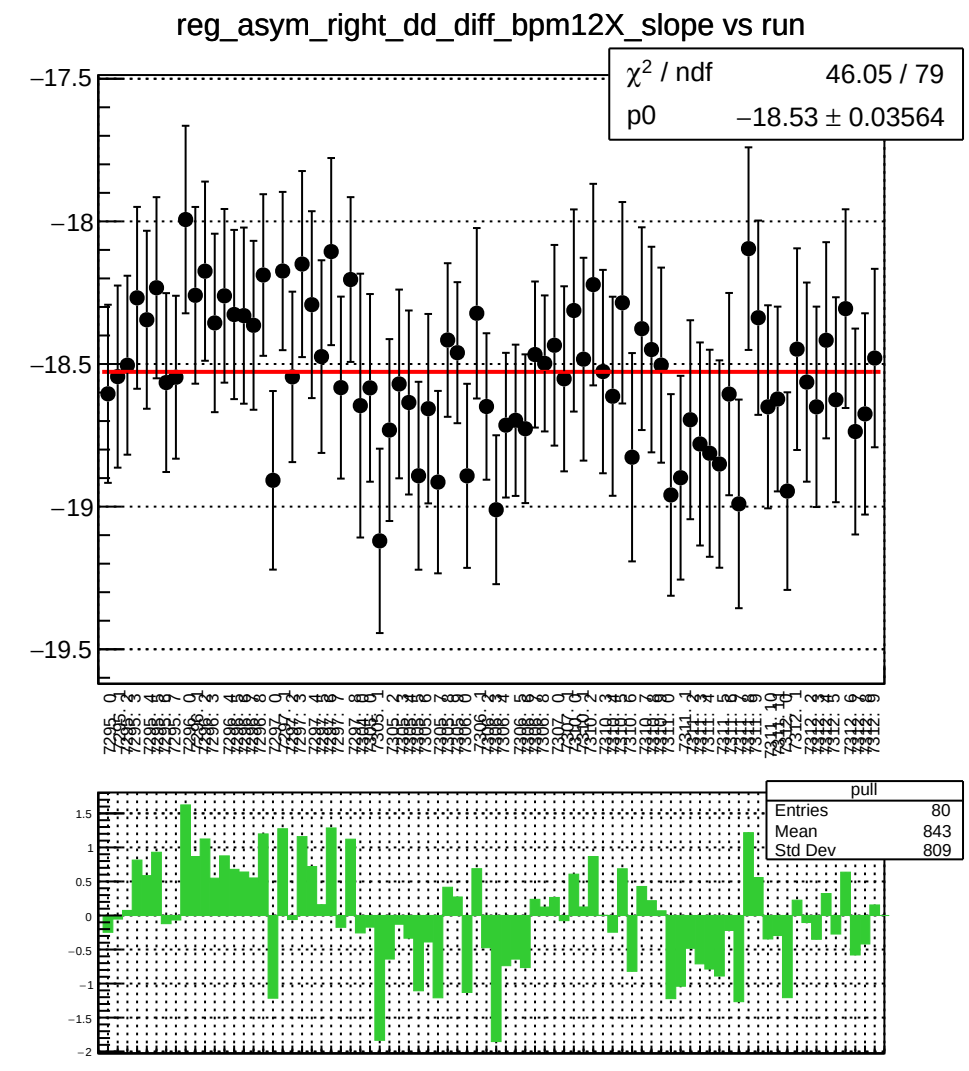

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.54 / 79
p0 −8.378 ± 0.7478
pull
Entries 80
Mean 368
Std Dev 323.4

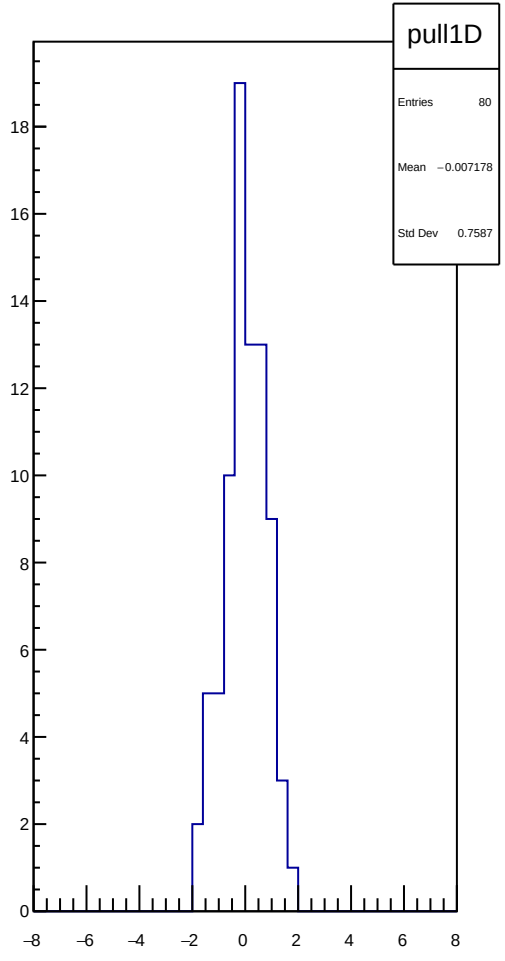

pull1D
Entries 80
Mean 0.0523
Std Dev 1.109

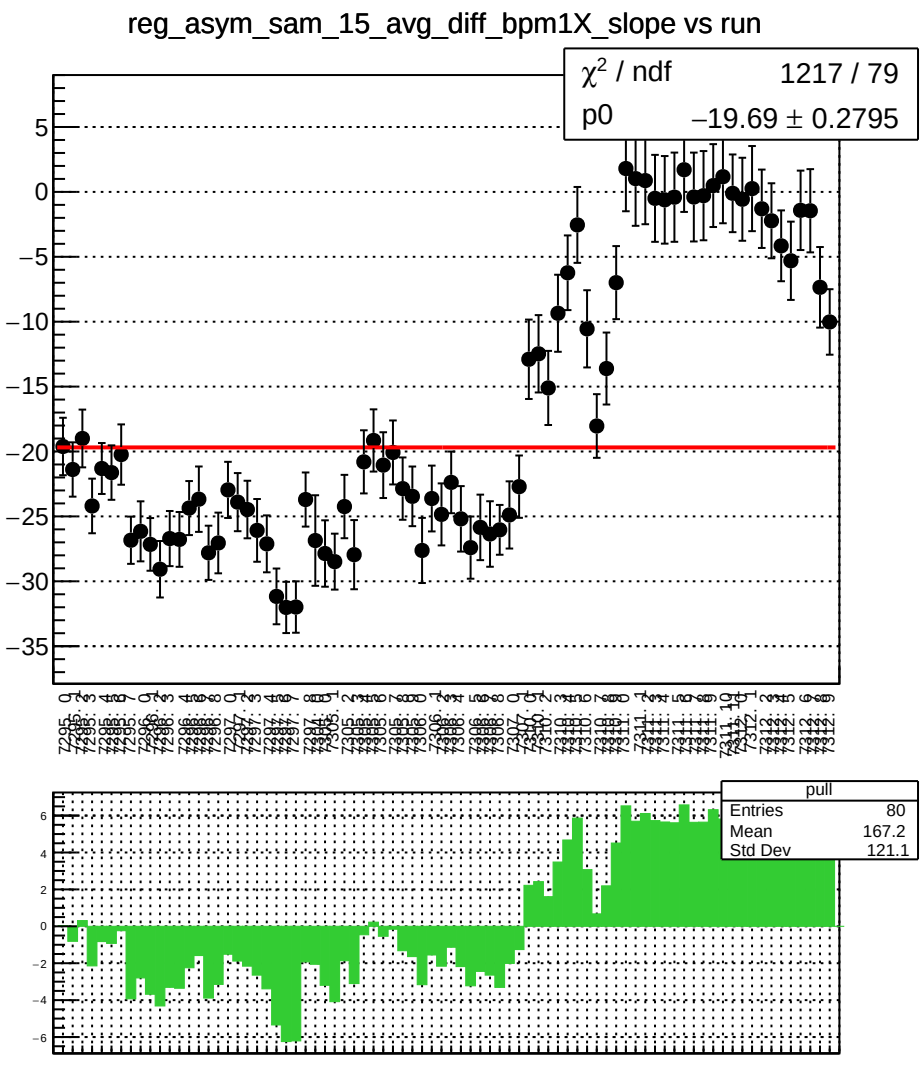

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 242 / 79
p0 37.7 ± 0.7897
pull
Entries 80
Mean 143.2
Std Dev 97.42
pull1D
Entries 80
Mean 0.3052
Std Dev 1.712

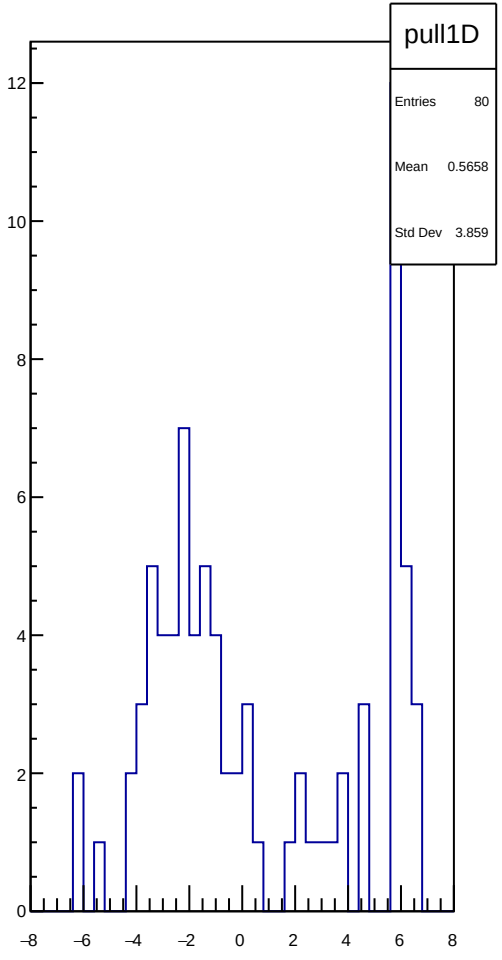

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.7 / 79
p0 16.77 ± 0.8027
pull
Entries 80
Mean 287.6
Std Dev 243.1

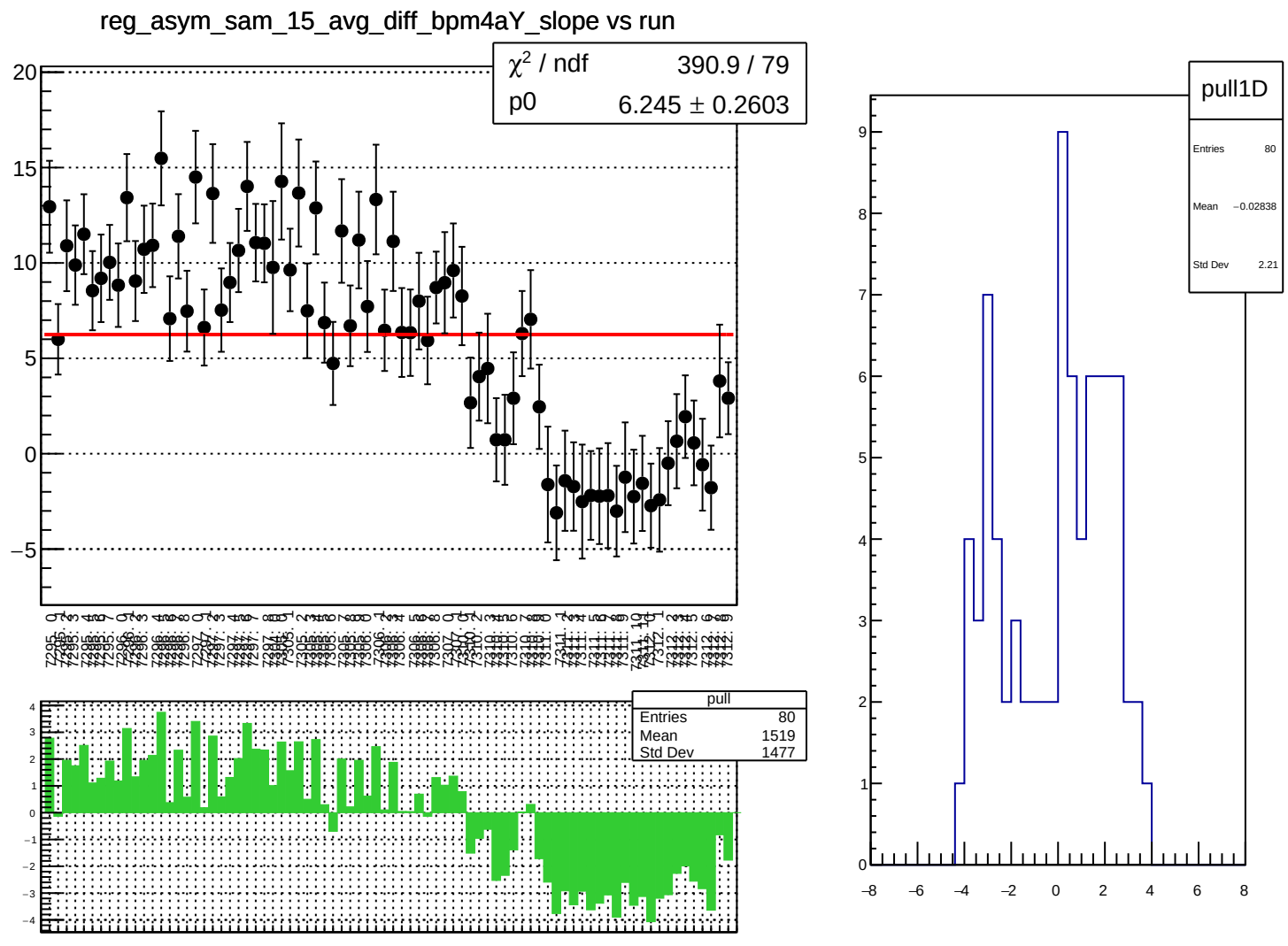

pull1D
Entries 80
Mean −0.06958
Std Dev 1.131

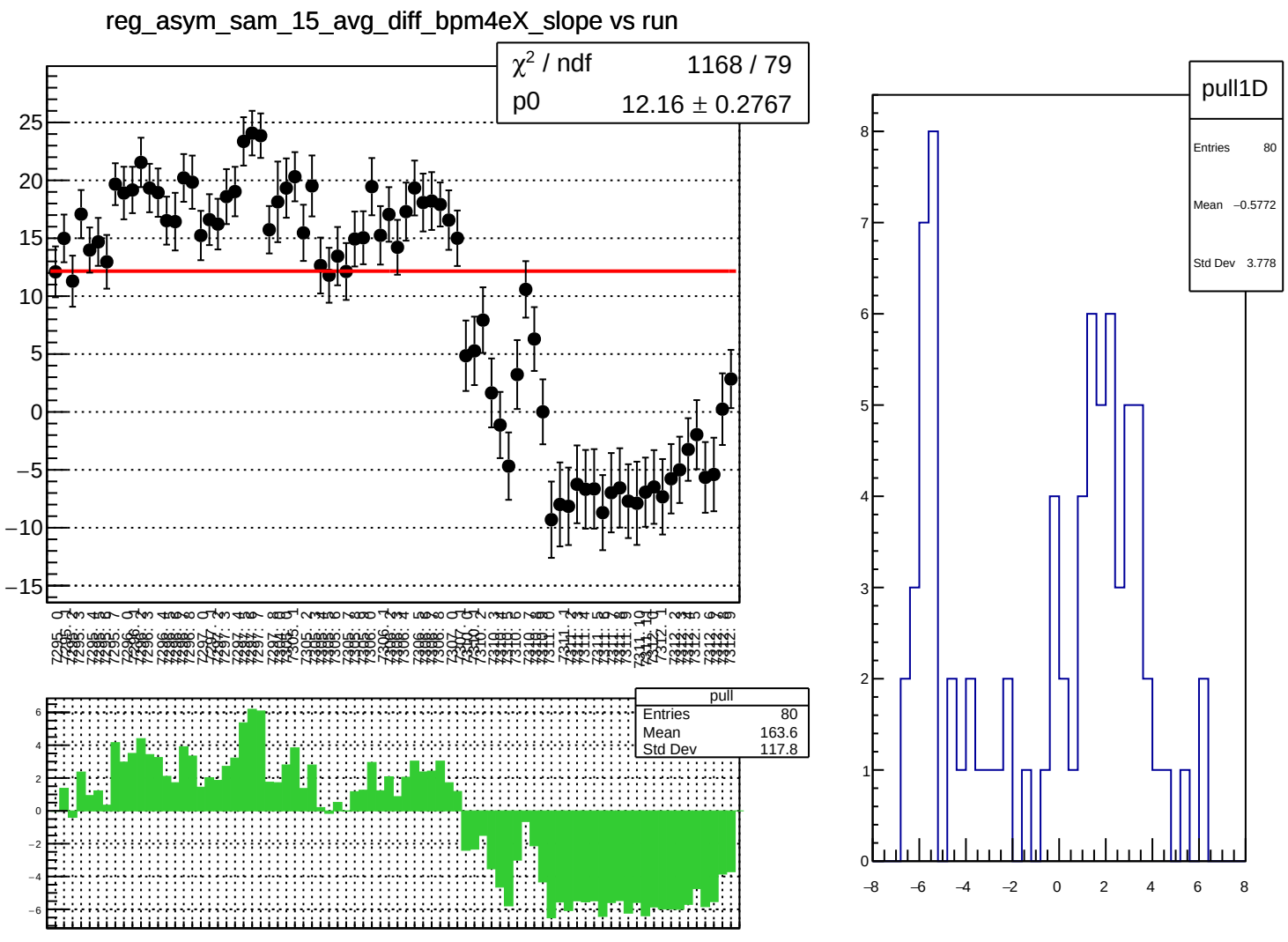

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 46.05 / 79
p0 −18.53 ± 0.03564
−17.5
−18
−18.5
−19
−19.5
pull
Entries 80
Mean 843
Std Dev 809
1.5
1
0.5
0
−0.5
−1
−1.5
−2

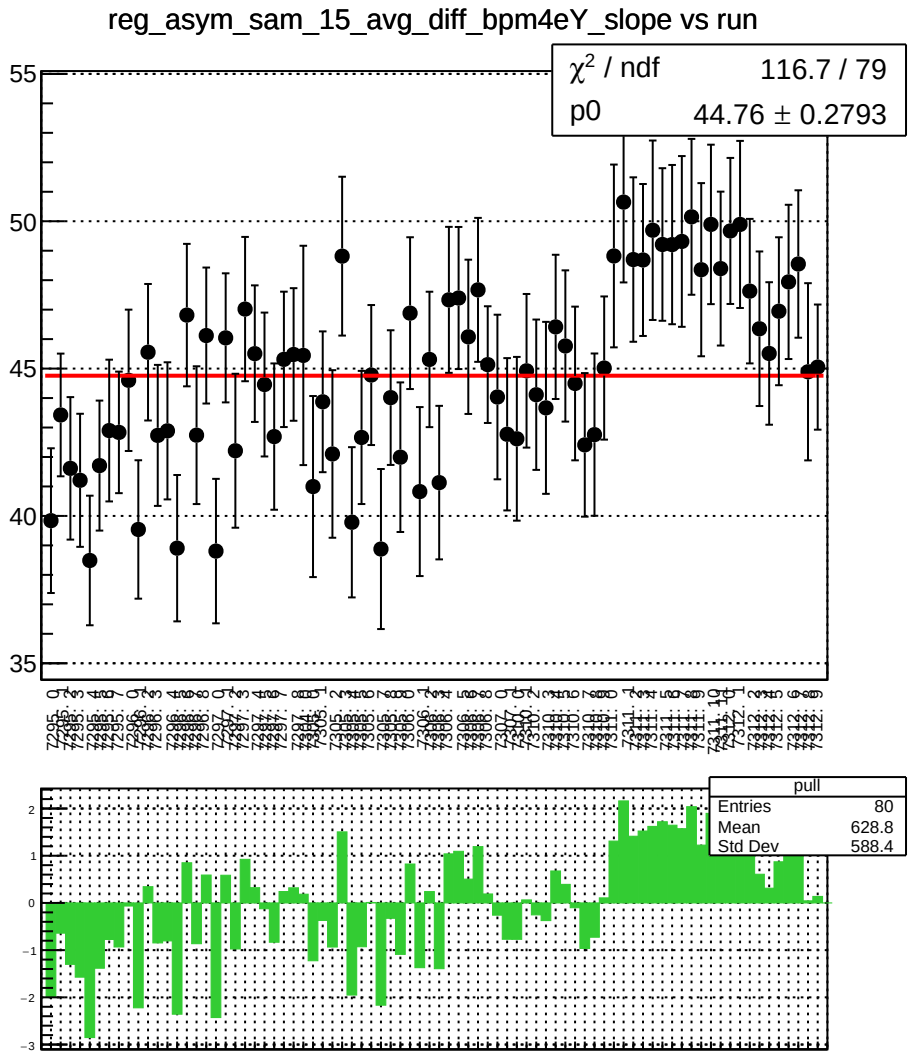

pull1D
Entries 80
Mean −0.007178
Std Dev 0.7587
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

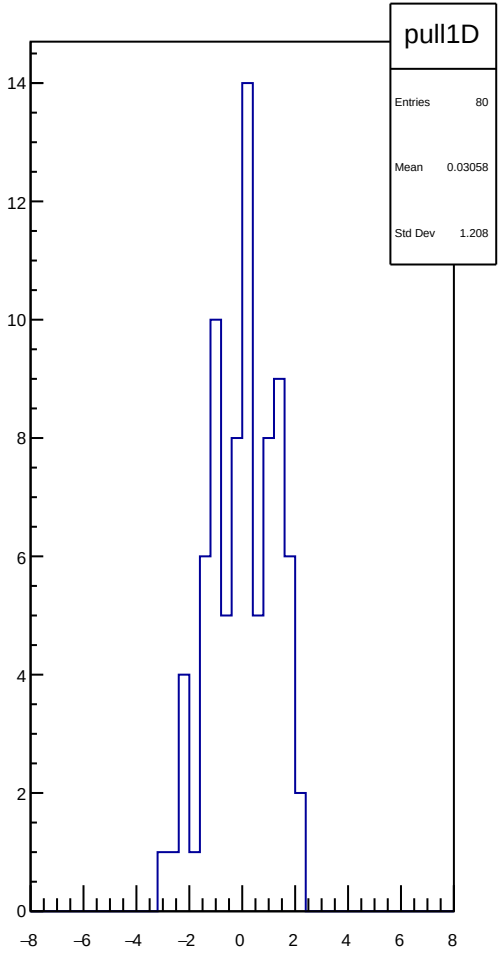

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 1217 / 79
p0 −19.69 ± 0.2795
pull
Entries 80
Mean 167.2
Std Dev 121.1

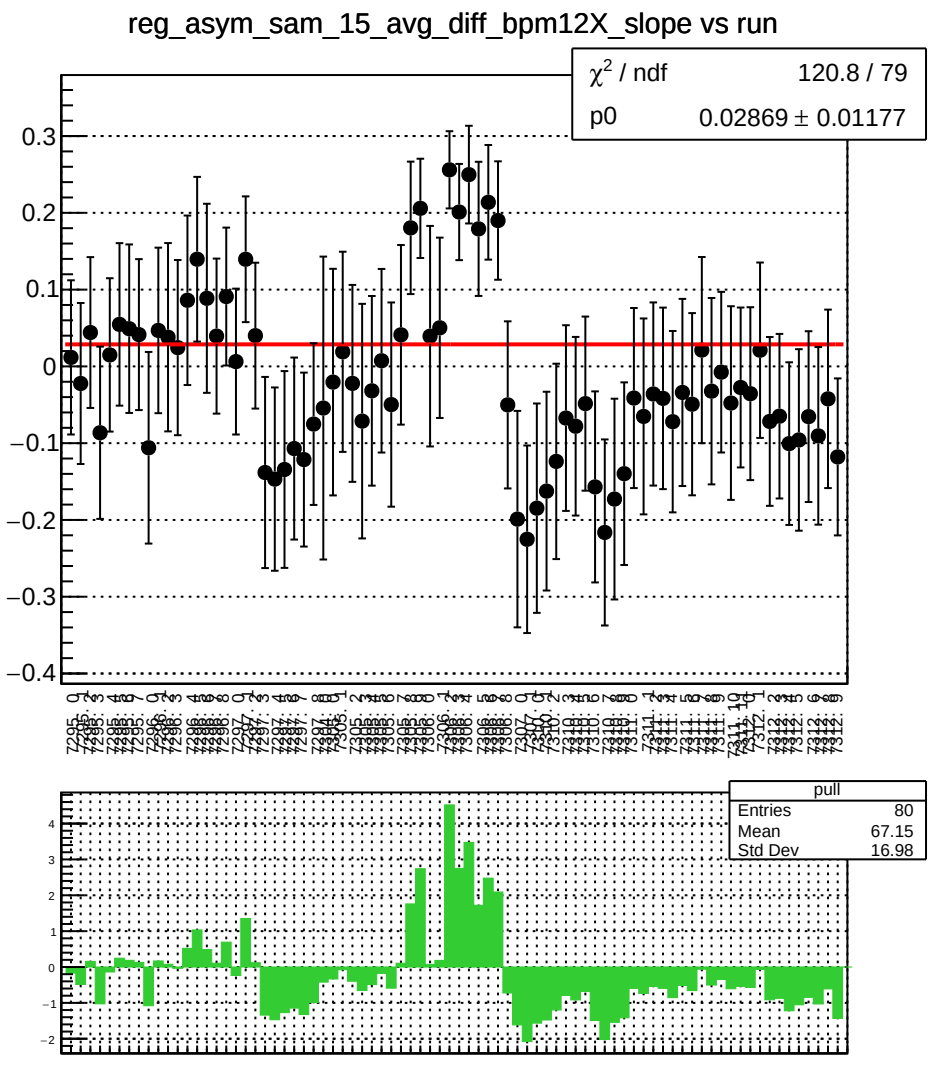

pull1D
Entries 80
Mean 0.5658
Std Dev 3.859

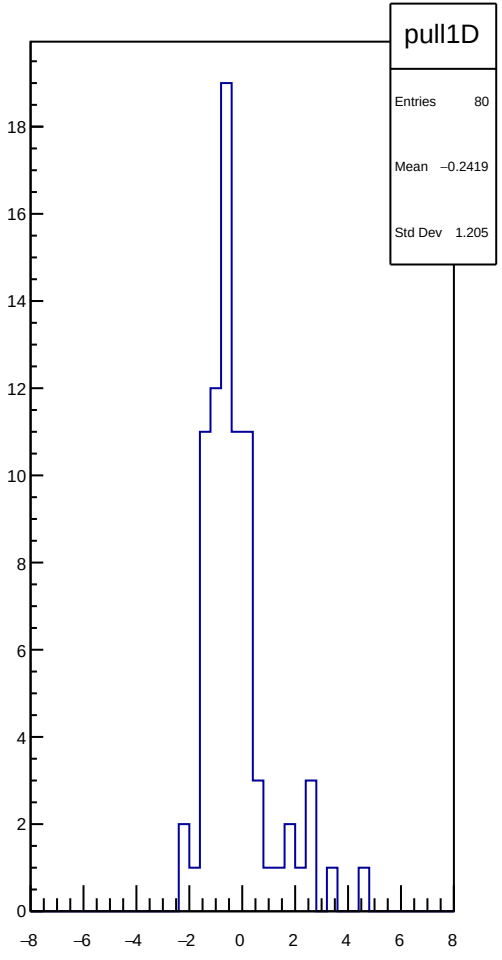

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 390.9 / 79
p0 6.245 ± 0.2603
pull
Entries 80
Mean 1519
Std Dev 1477
pull1D
Entries 80
Mean −0.02838
Std Dev 2.21

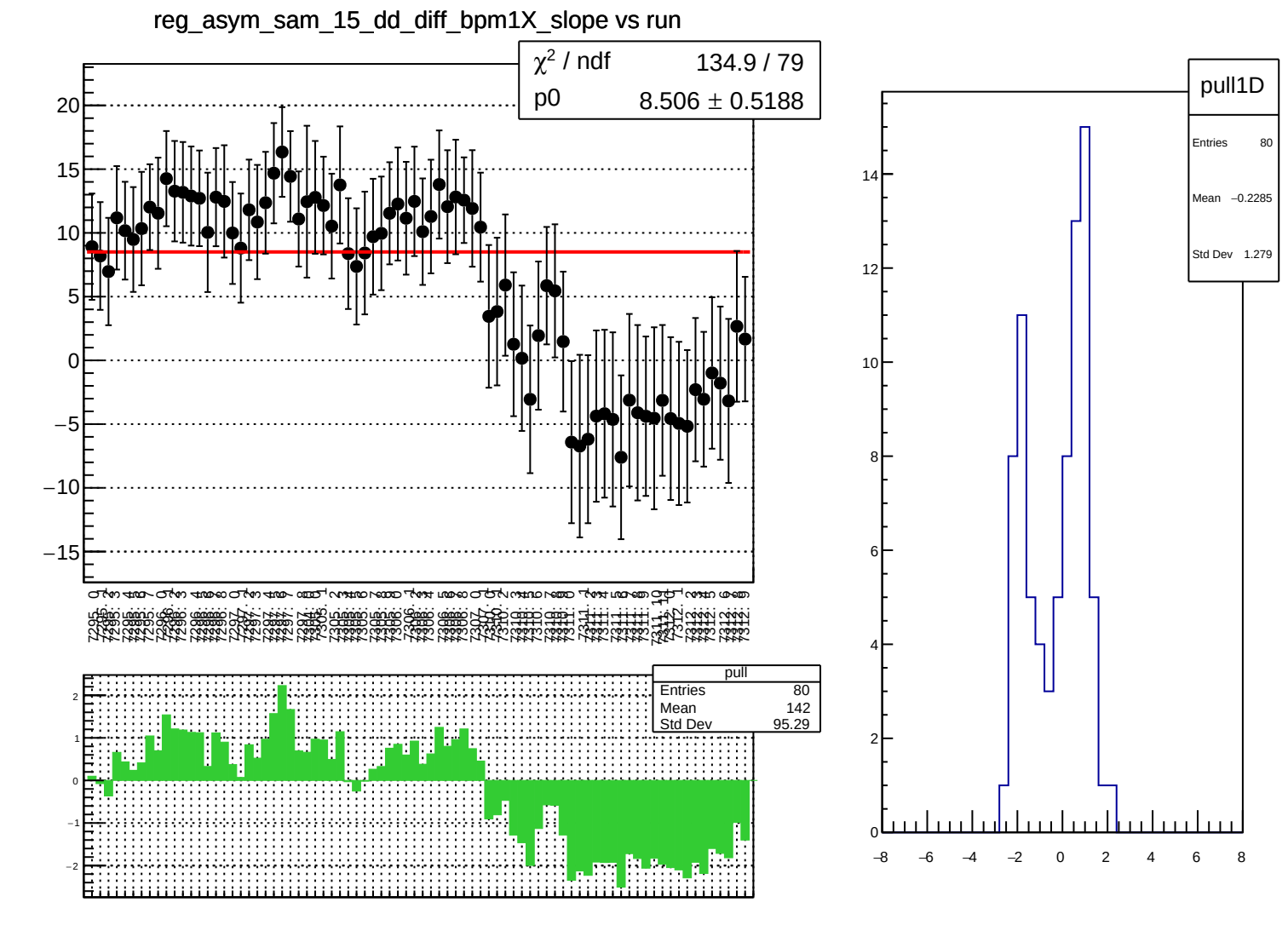

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 1168 / 79
p0 12.16 ± 0.2767
pull
Entries 80
Mean 163.6
Std Dev 117.8
pull1D
Entries 80
Mean −0.5772
Std Dev 3.778

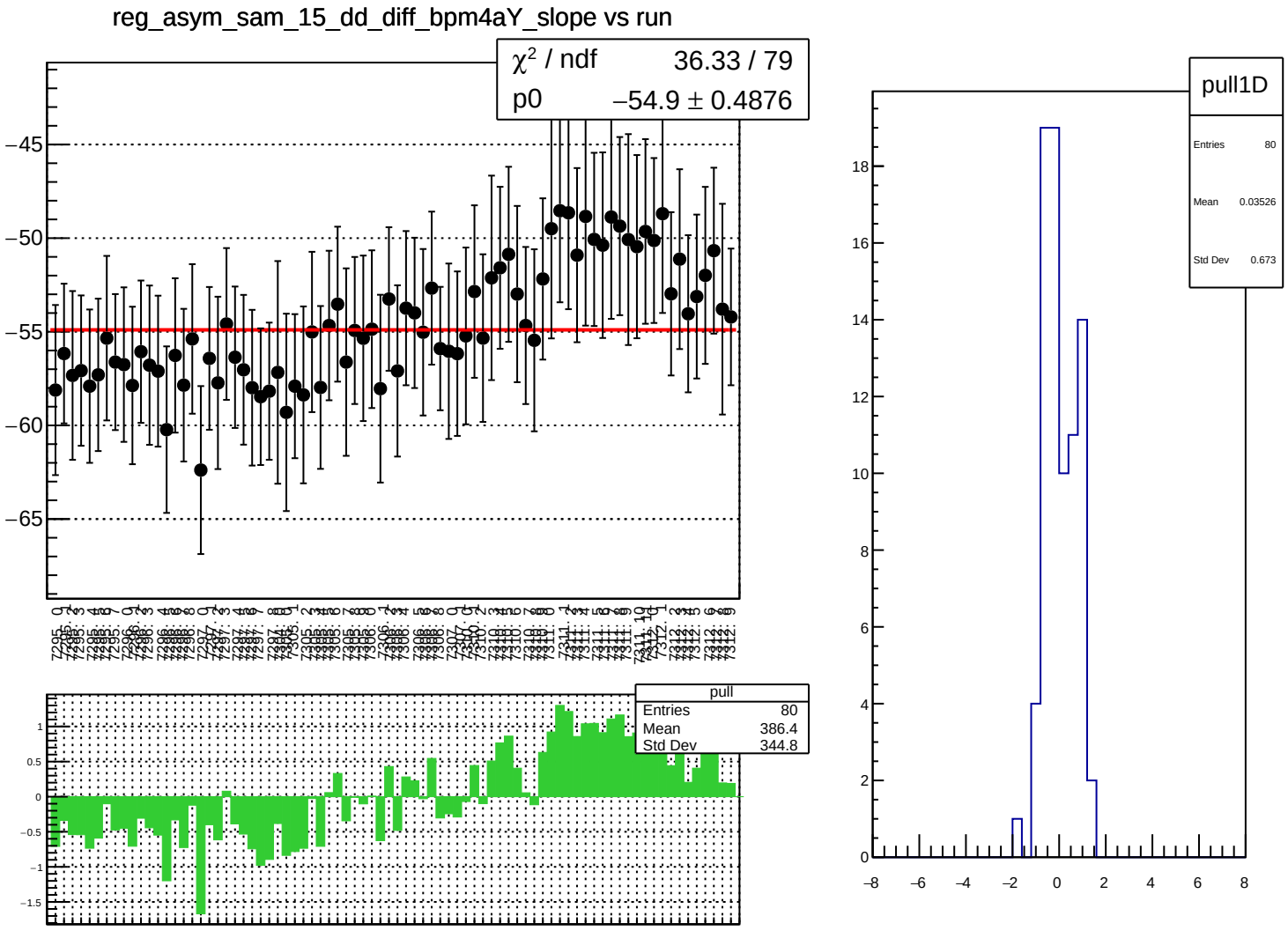

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 116.7 / 79
p0 44.76 ± 0.2793
pull
Entries 80
Mean 628.8
Std Dev 588.4

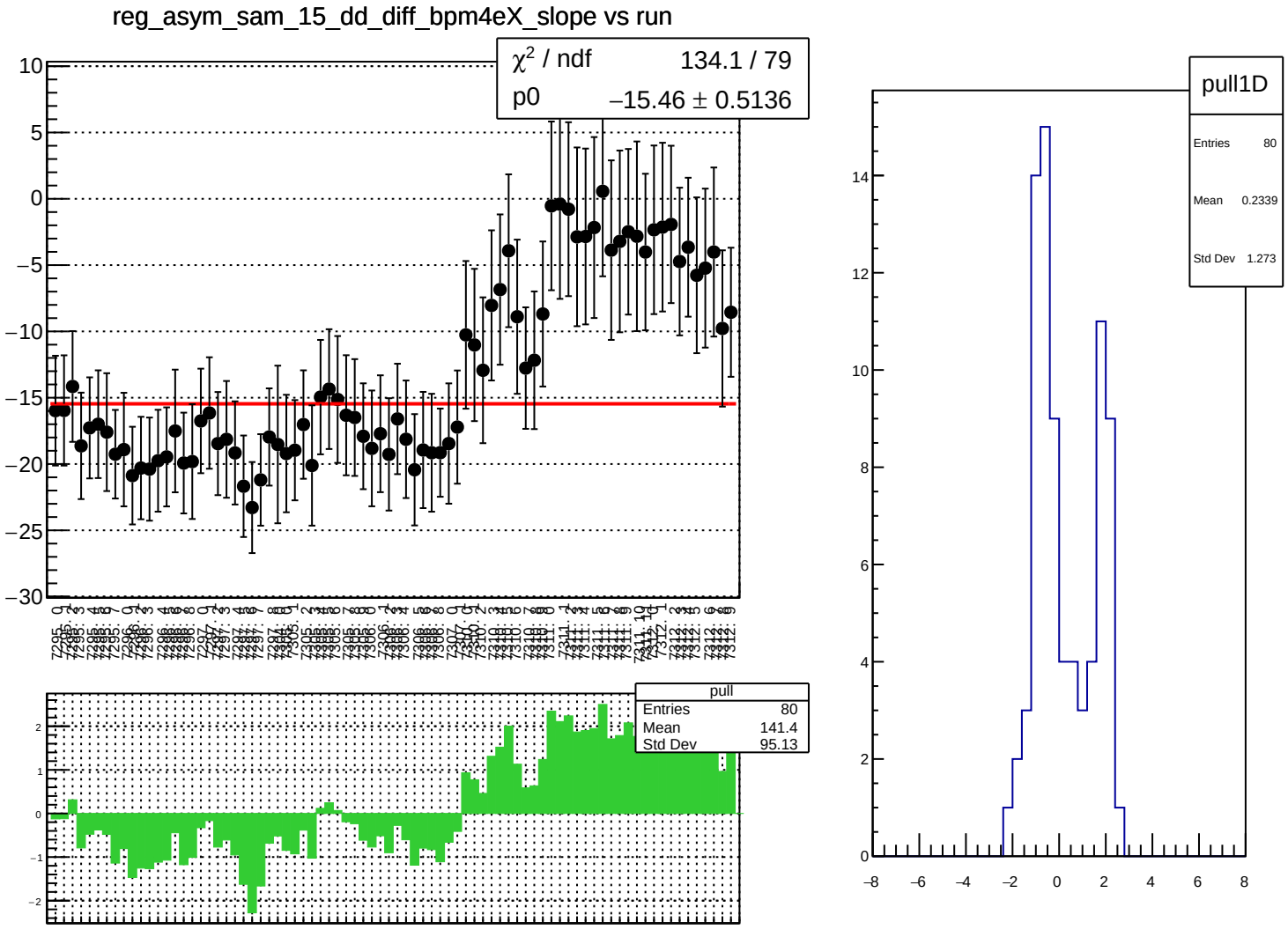

pull1D
Entries 80
Mean 0.03058
Std Dev 1.208

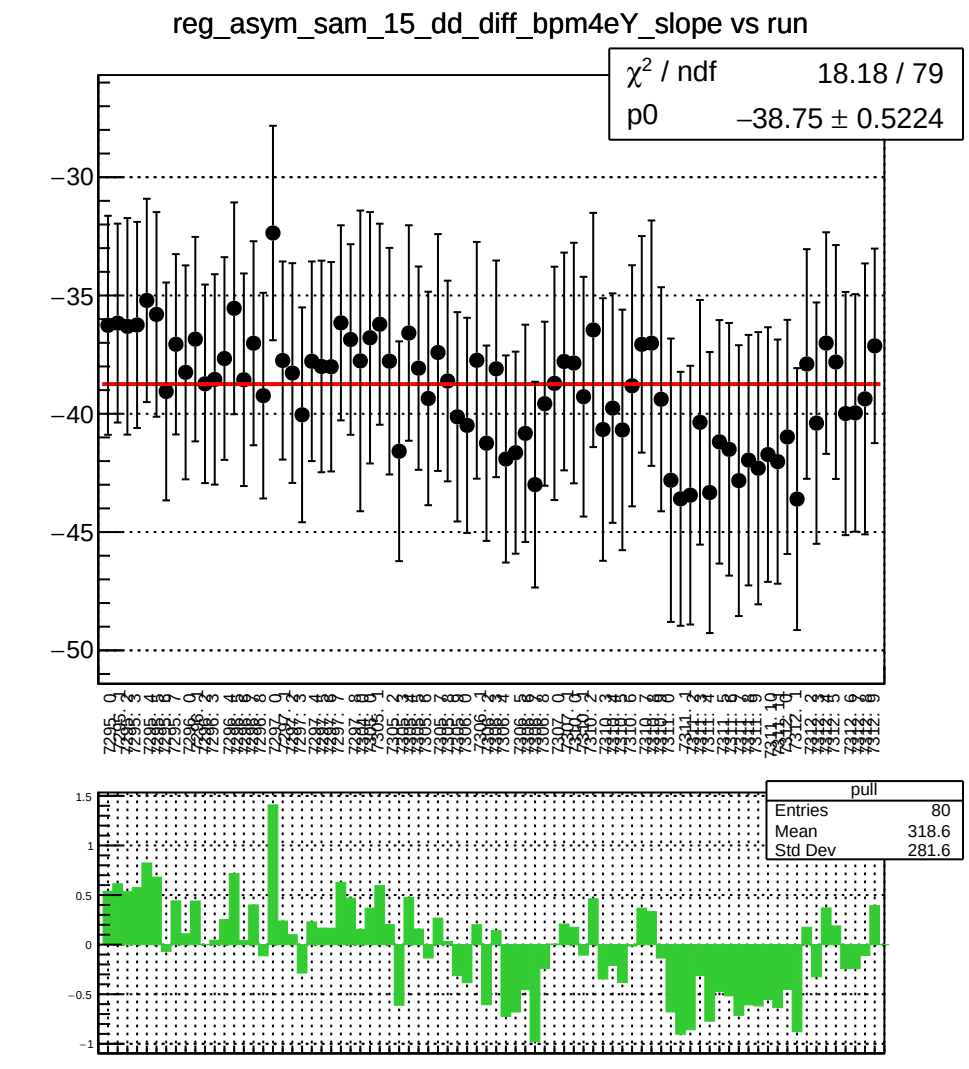

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 120.8 / 79
p0 0.02869 ± 0.01177
pull
Entries 80
Mean 67.15
Std Dev 16.98

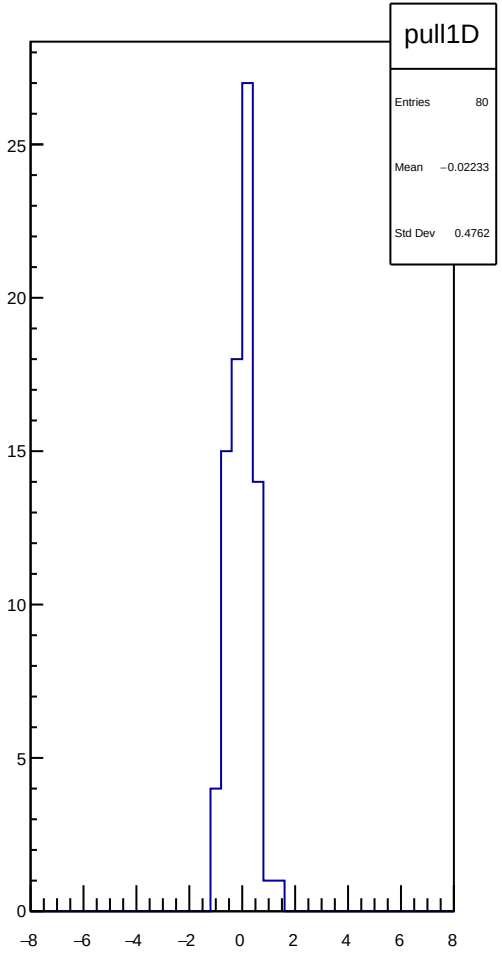

pull1D
Entries 80
Mean −0.2419
Std Dev 1.205

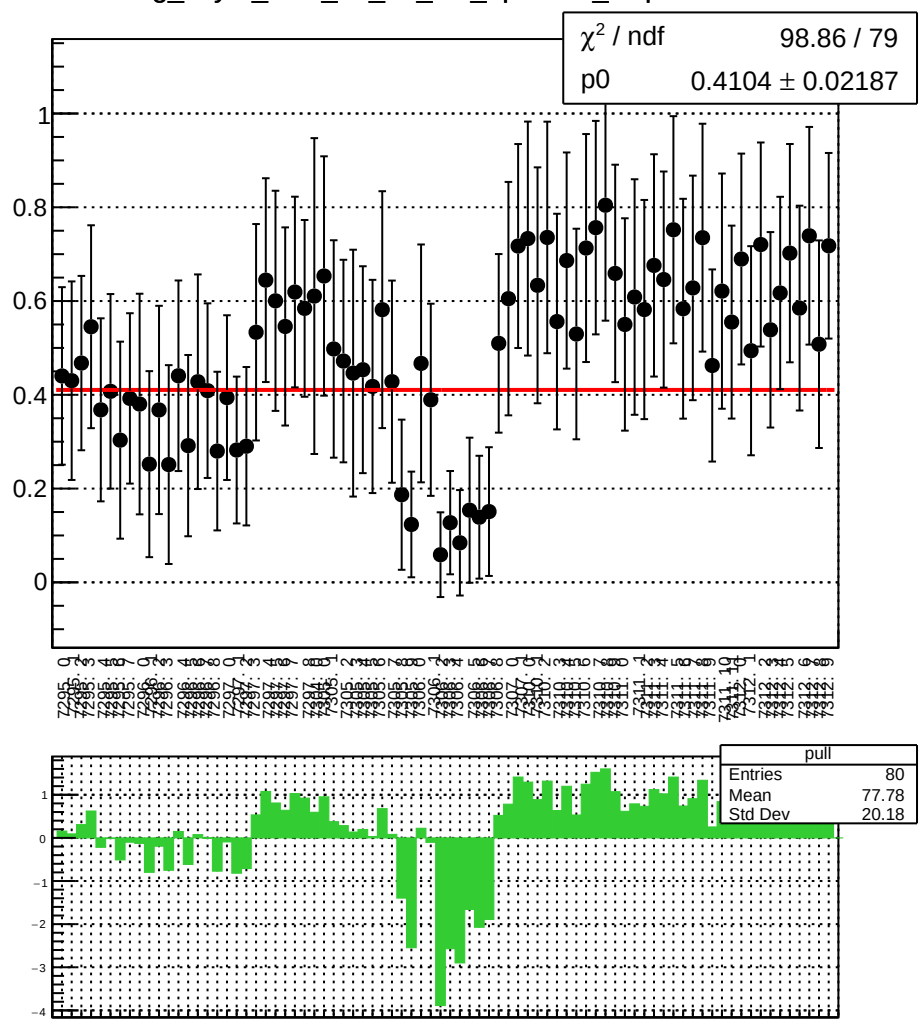

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 134.9 / 79
p0 8.506 ± 0.5188
pull
Entries 80
Mean 142
Std Dev 95.29
pull1D
Entries 80
Mean −0.2285
Std Dev 1.279

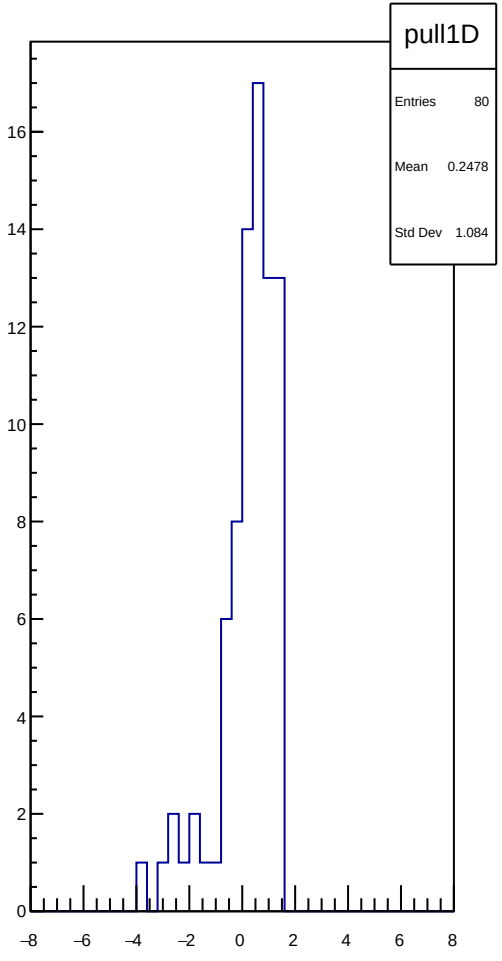

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.33 / 79
p0 −54.9 ± 0.4876
−45
−50
−55
−60
−65
pull
Entries 80
Mean 386.4
Std Dev 344.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.03526
Std Dev 0.673
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

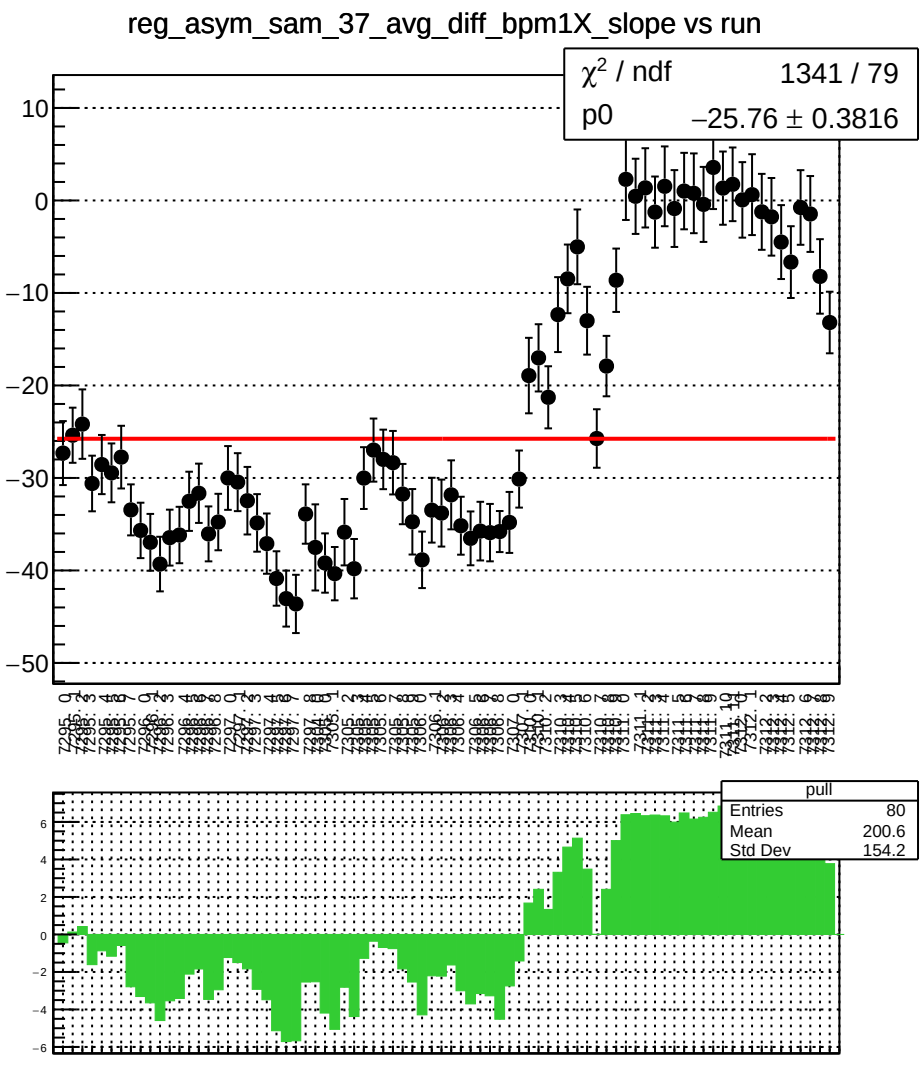

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.1 / 79
p0 −15.46 ± 0.5136
pull
Entries 80
Mean 141.4
Std Dev 95.13
pull1D
Entries 80
Mean 0.2339
Std Dev 1.273

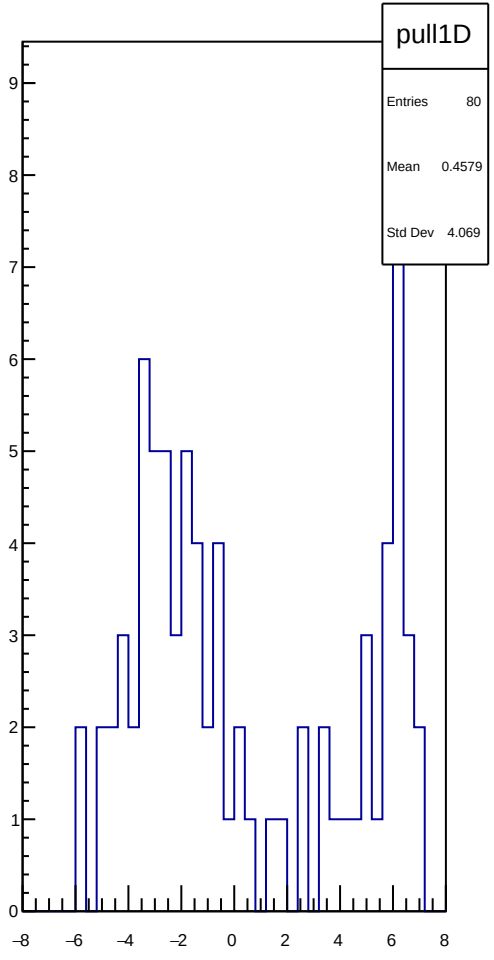

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.18 / 79
p0 −38.75 ± 0.5224
pull
Entries 80
Mean 318.6
Std Dev 281.6

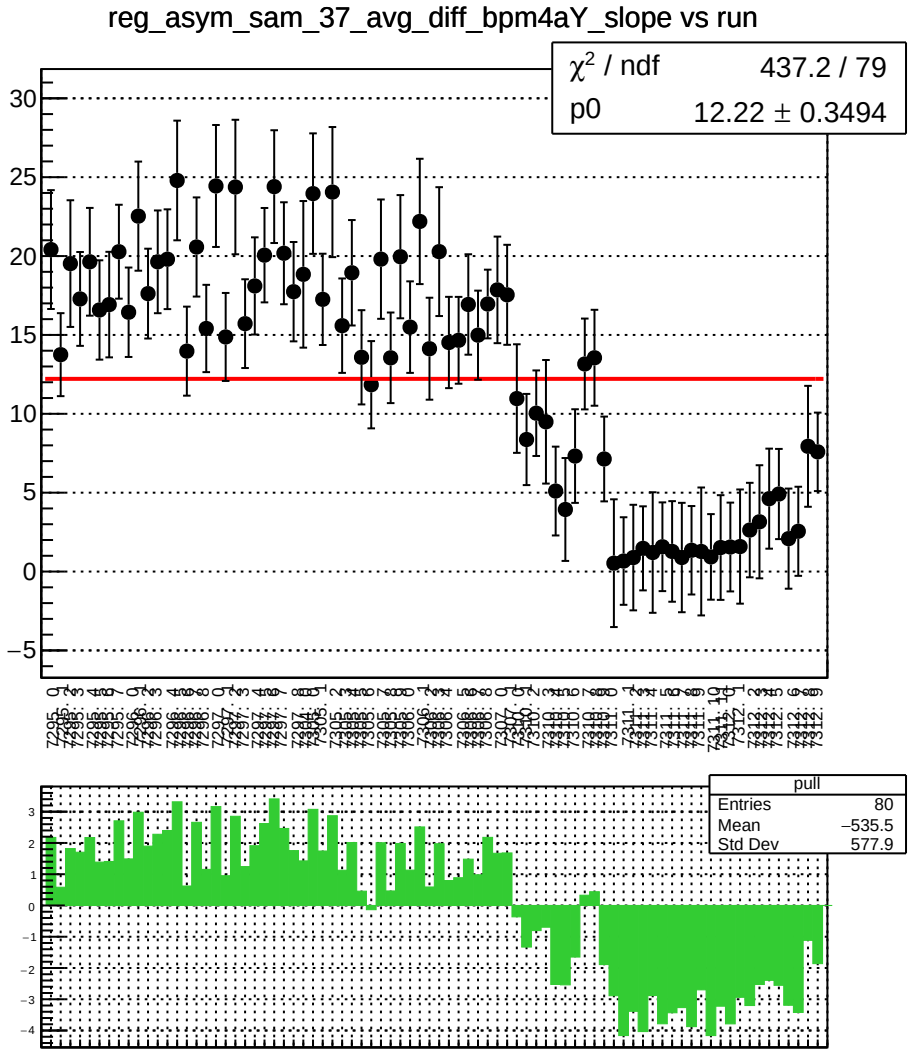

pull1D
Entries 80
Mean −0.02233
Std Dev 0.4762

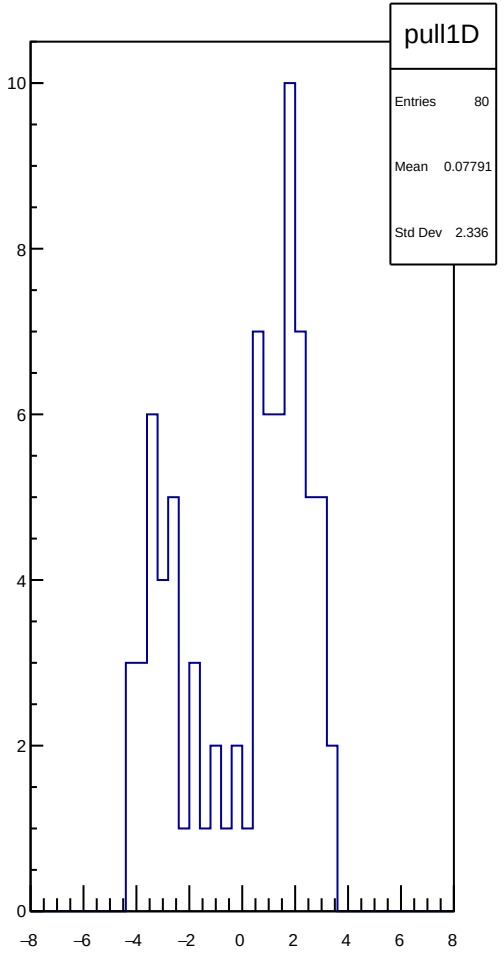

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 98.86 / 79
p0 0.4104 ± 0.02187
pull
Entries 80
Mean 77.78
Std Dev 20.18

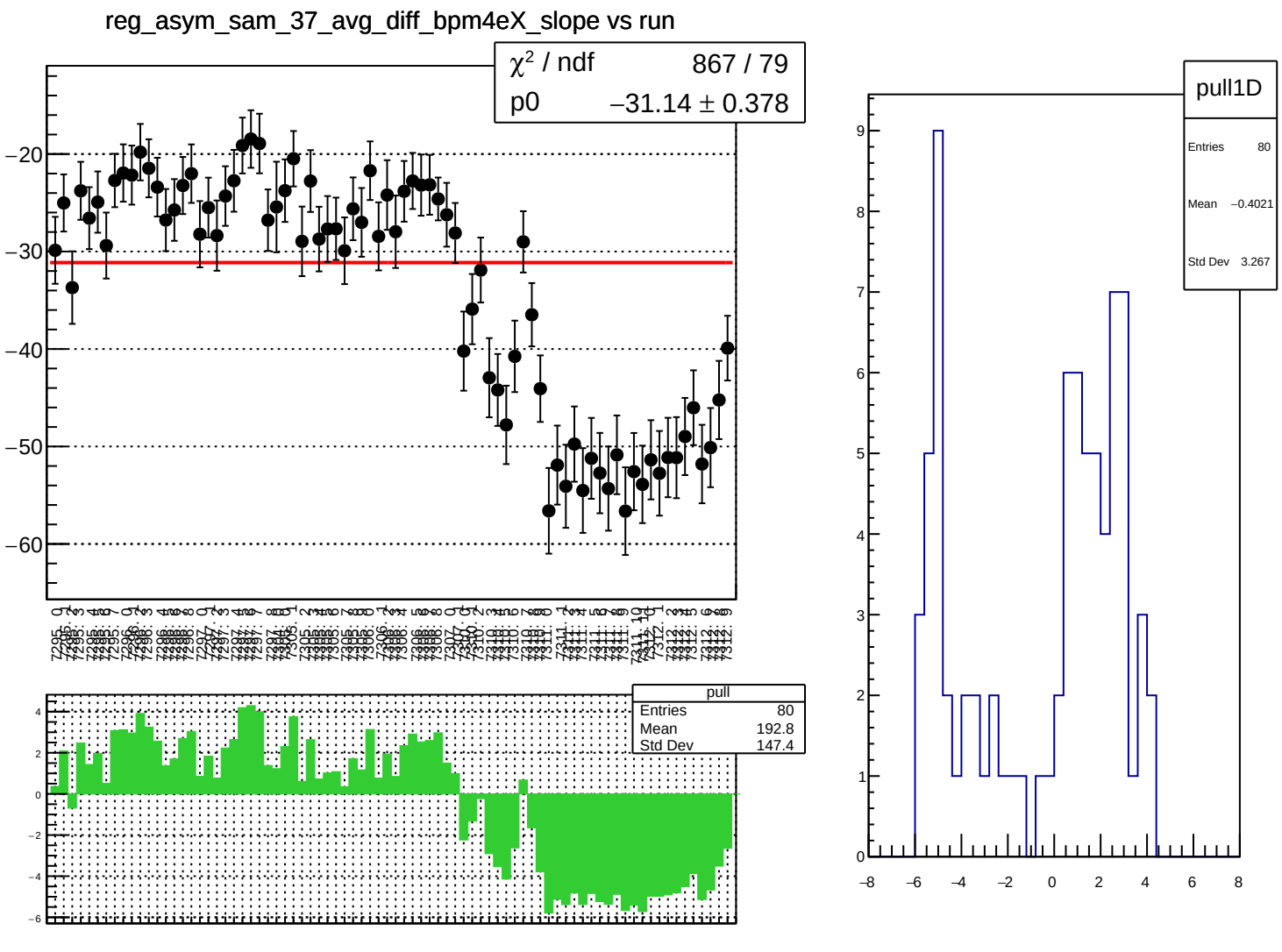

pull1D
Entries 80
Mean 0.2478
Std Dev 1.084

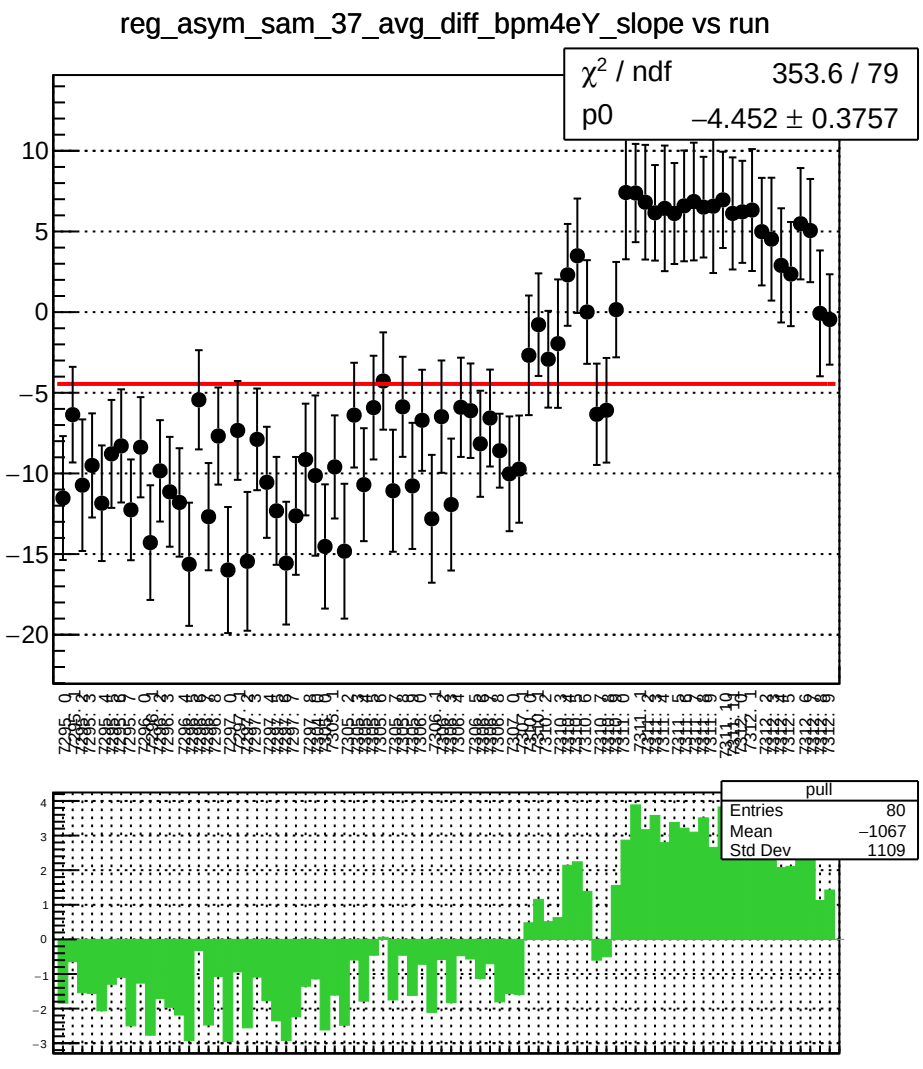

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1341 / 79
p0 −25.76 ± 0.3816
pull
Entries 80
Mean 200.6
Std Dev 154.2

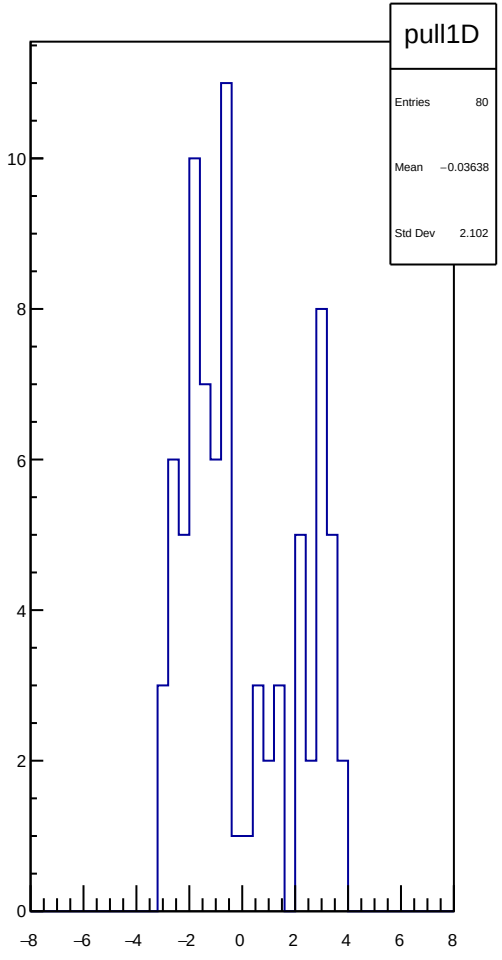

pull1D
Entries 80
Mean 0.4579
Std Dev 4.069

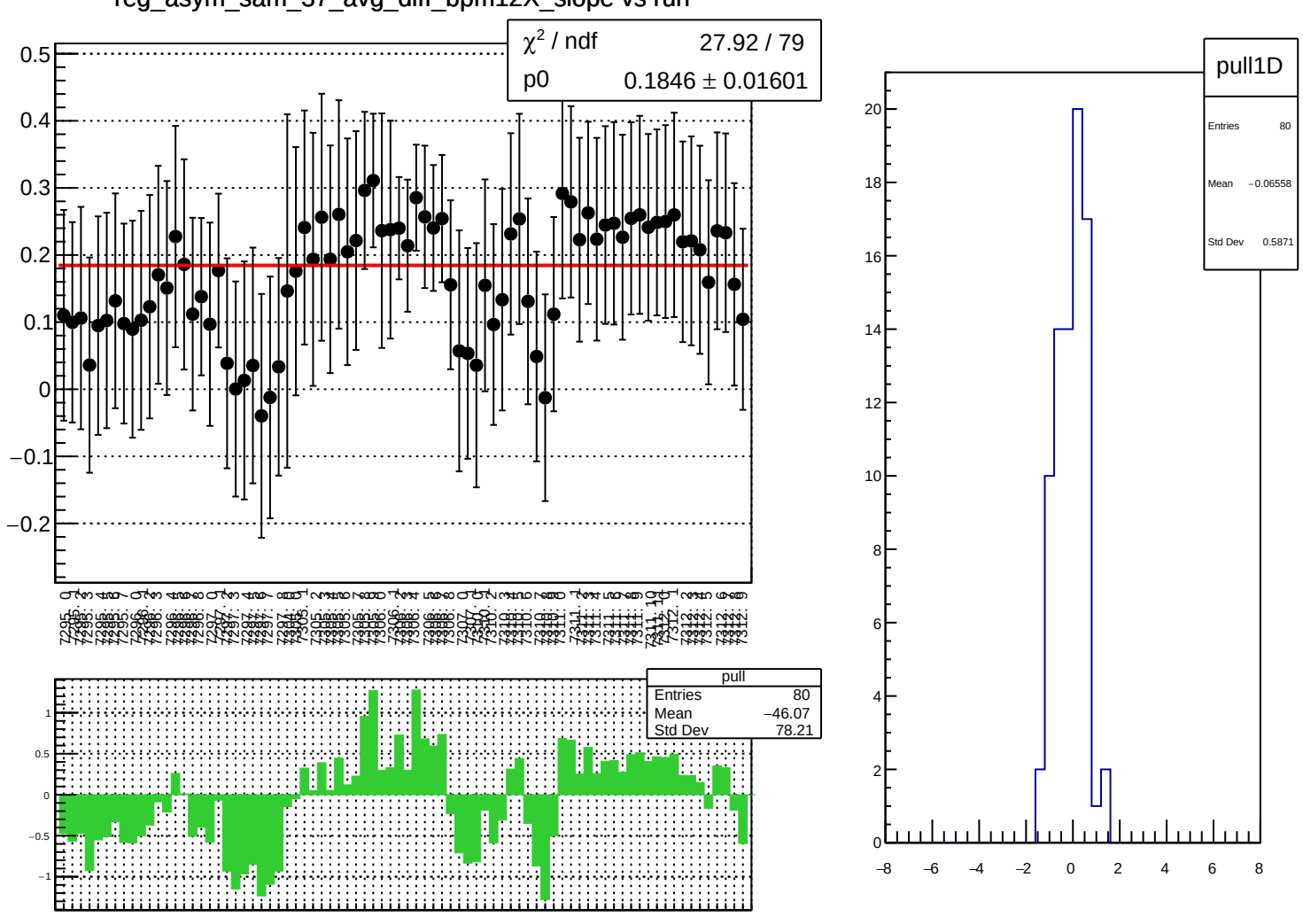

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 437.2 / 79
p0 12.22 ± 0.3494
pull
Entries 80
Mean −535.5
Std Dev 577.9

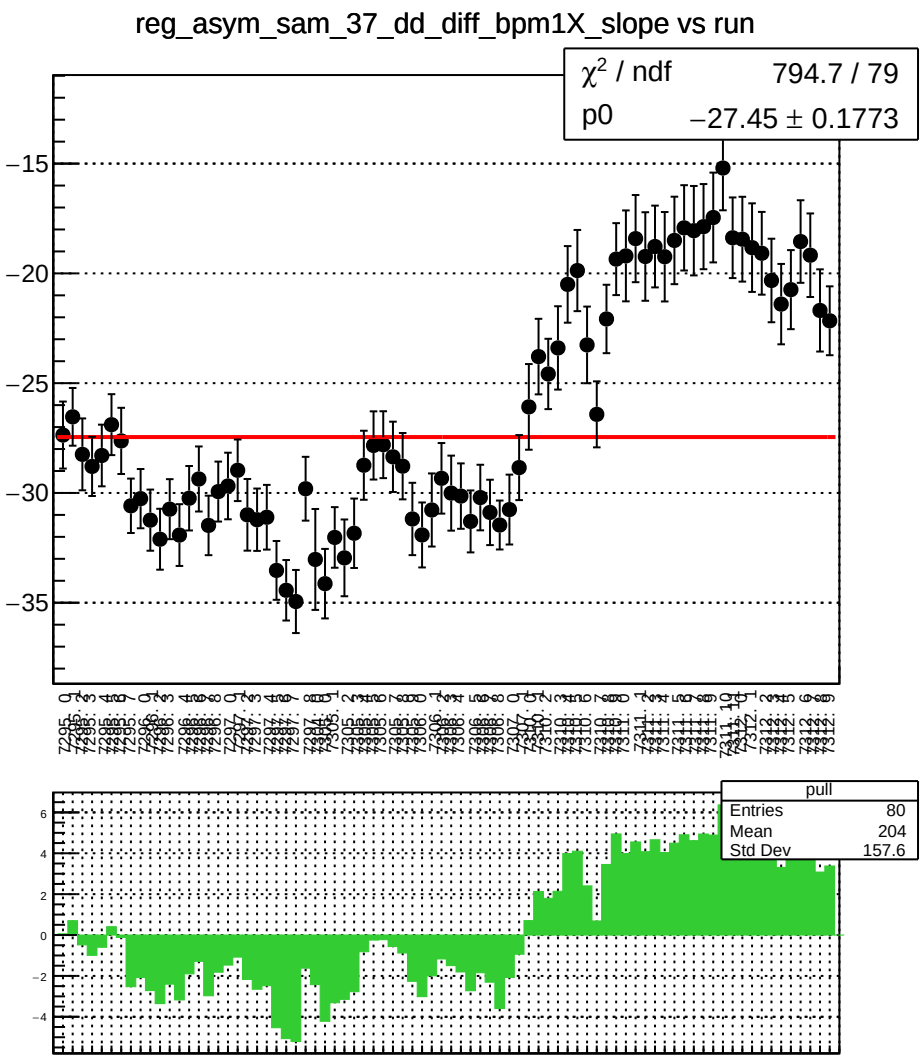

pull1D
Entries 80
Mean 0.07791
Std Dev 2.336

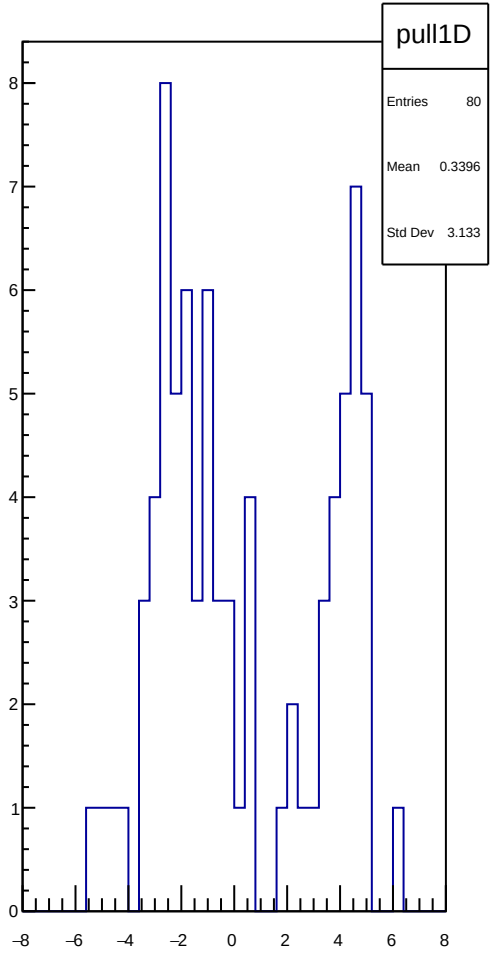

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 867 / 79
p0 −31.14 ± 0.378
−20
−30
−40
−50
−60
pull
Entries 80
Mean 192.8
Std Dev 147.4
4
2
0
−2
−4
−6
pull1D
Entries 80
Mean −0.4021
Std Dev 3.267
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

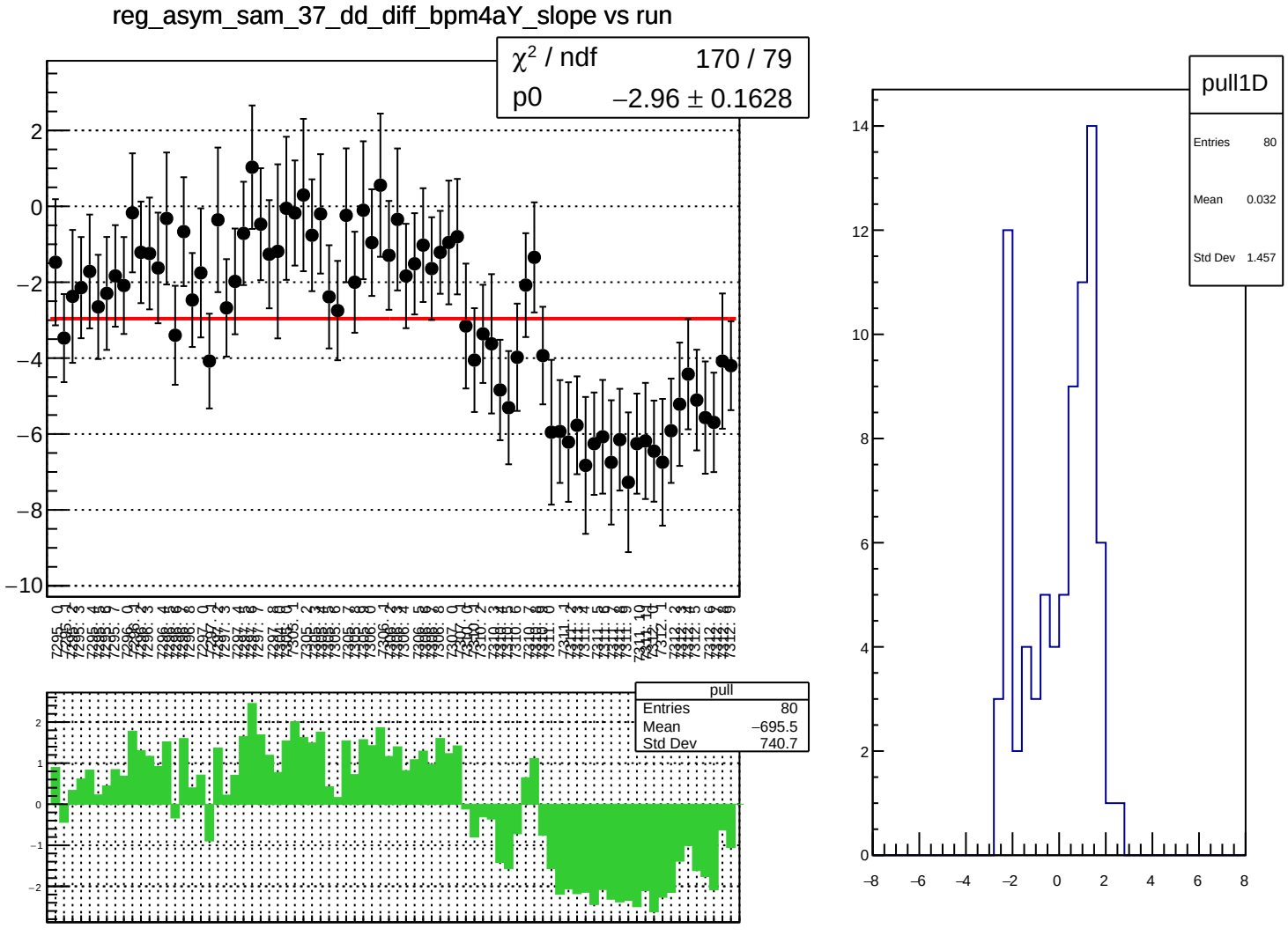

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 353.6 / 79
p0 −4.452 ± 0.3757
pull
Entries 80
Mean −1067
Std Dev 1109

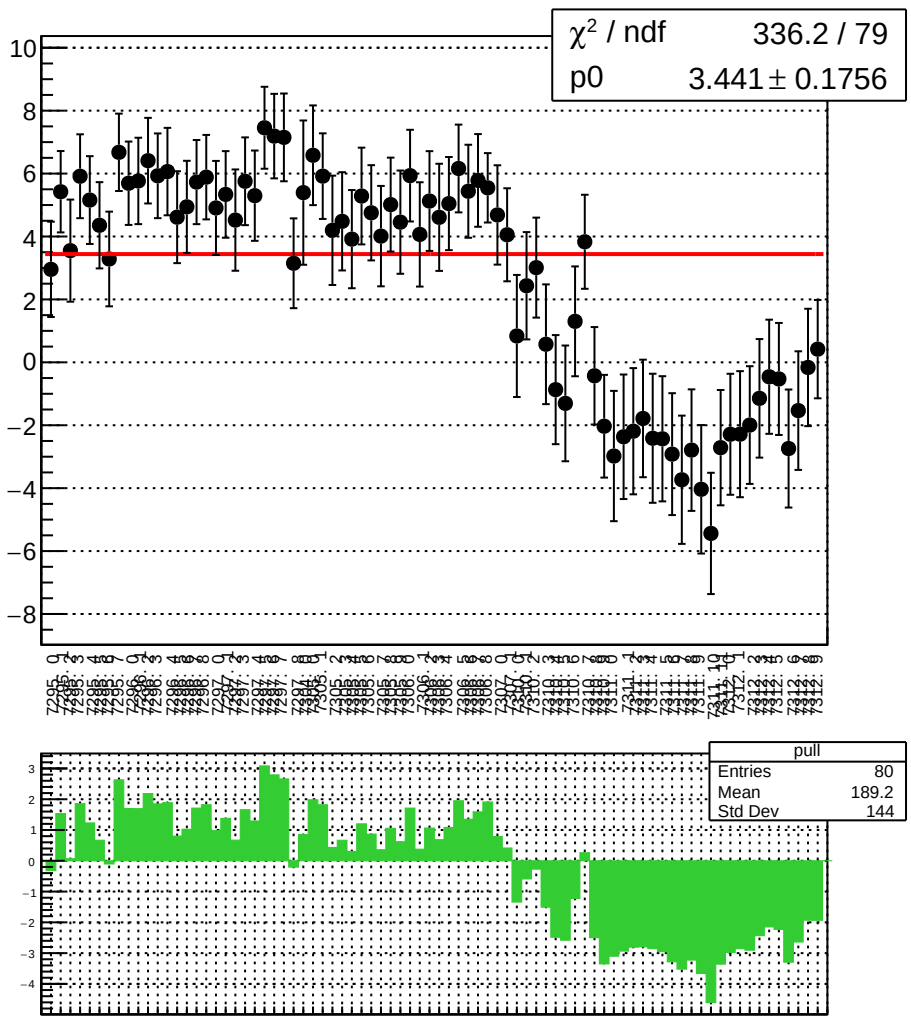

pull1D
Entries 80
Mean −0.03638
Std Dev 2.102

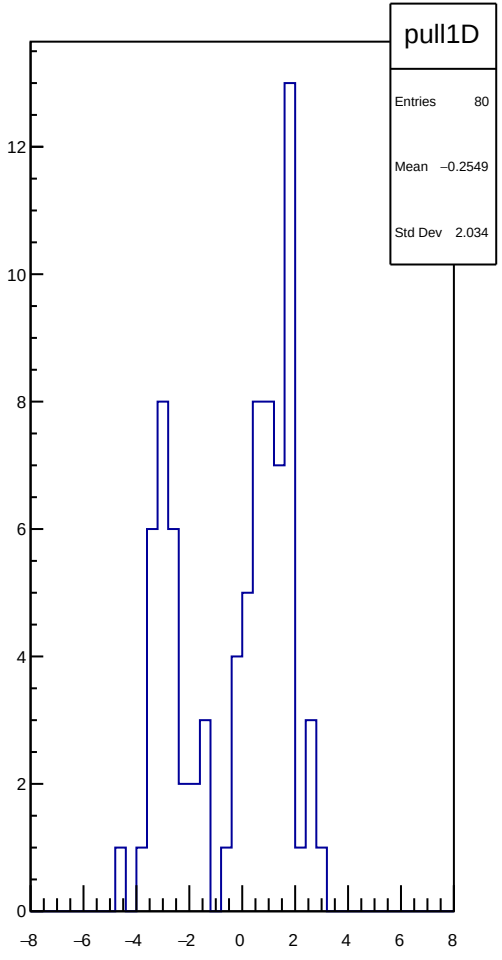

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 27.92 / 79
p0 0.1846 ± 0.01601
pull
Entries 80
Mean −46.07
Std Dev 78.21
pull1D
Entries 80
Mean −0.06558
Std Dev 0.5871

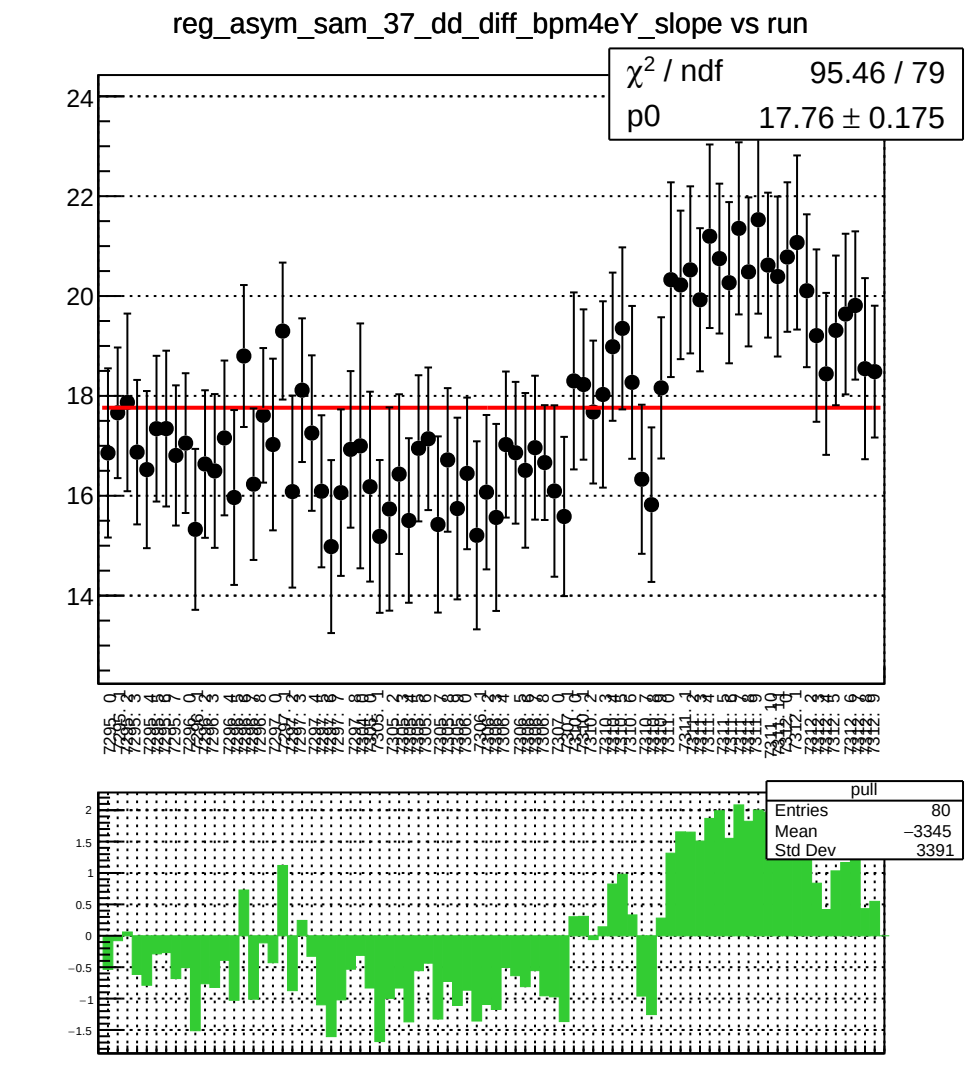

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 794.7 / 79
p0 −27.45 ± 0.1773
pull
Entries 80
Mean 204
Std Dev 157.6

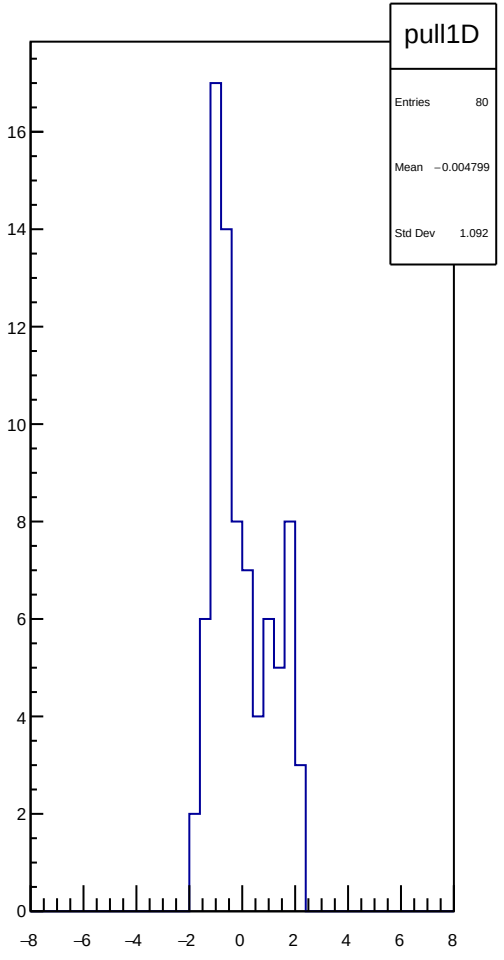

pull1D
Entries 80
Mean 0.3396
Std Dev 3.133

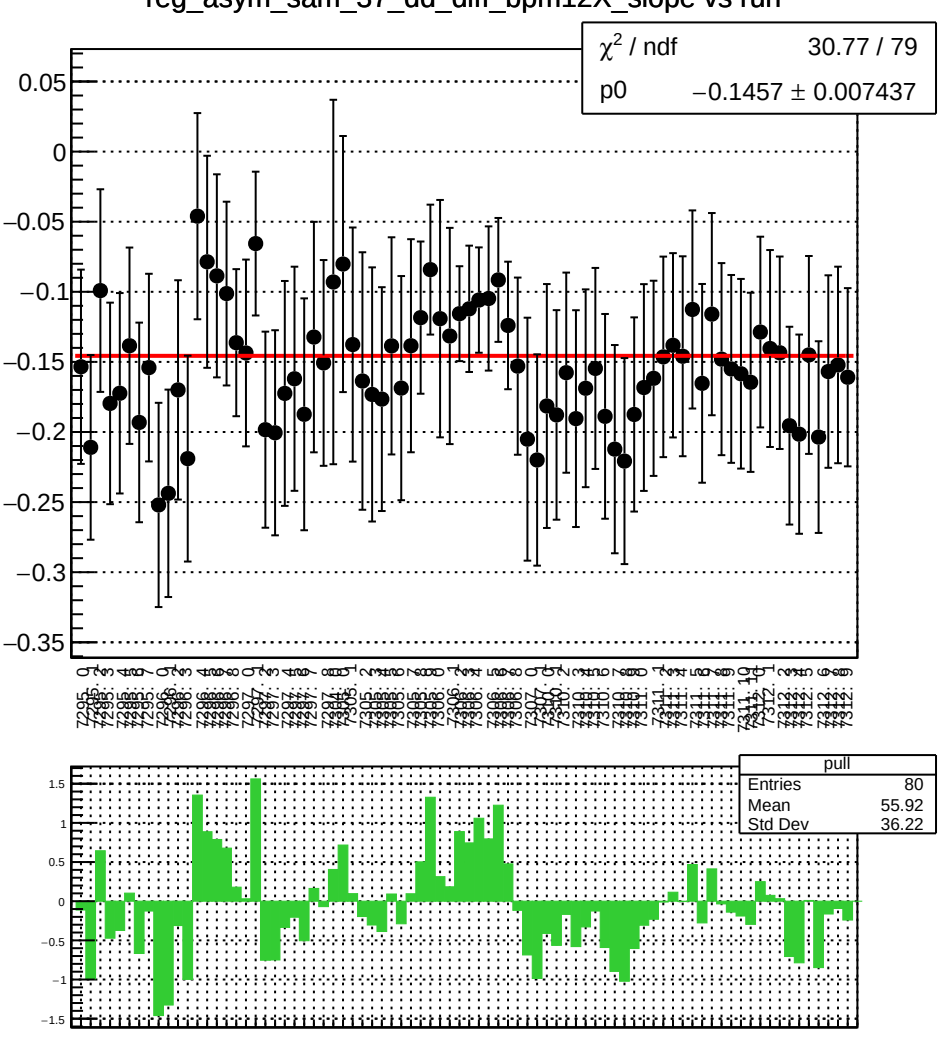

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 170 / 79
p0 −2.96 ± 0.1628
pull
Entries 80
Mean −695.5
Std Dev 740.7
pull1D
Entries 80
Mean 0.032
Std Dev 1.457

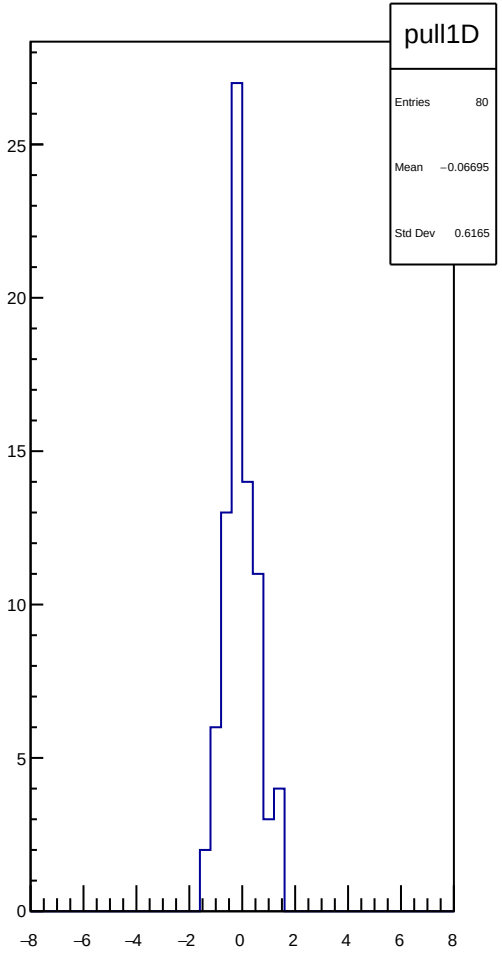

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 336.2 / 79
p0 3.441 ± 0.1756
pull
Entries 80
Mean 189.2
Std Dev 144

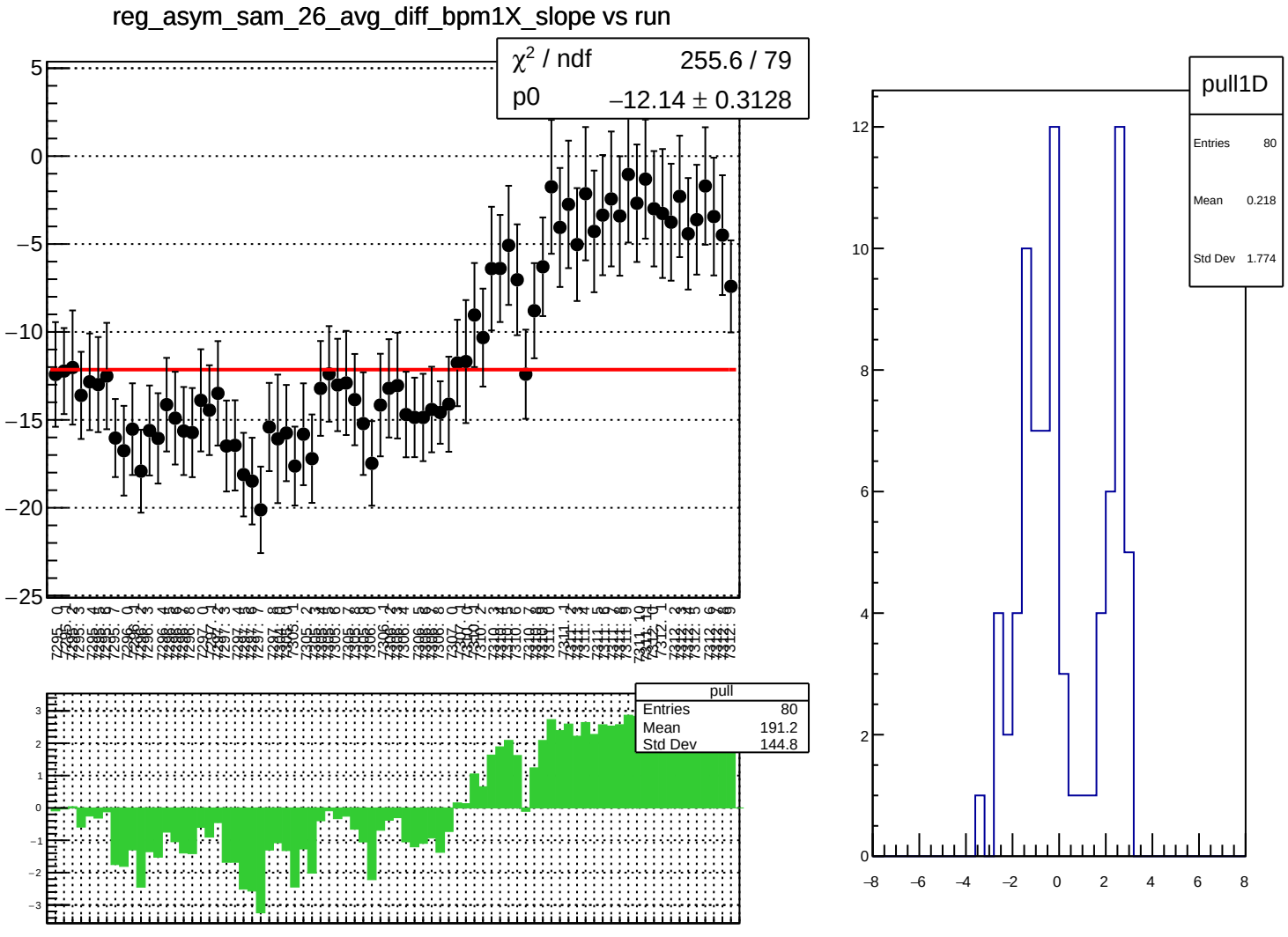

pull1D
Entries 80
Mean −0.2549
Std Dev 2.034

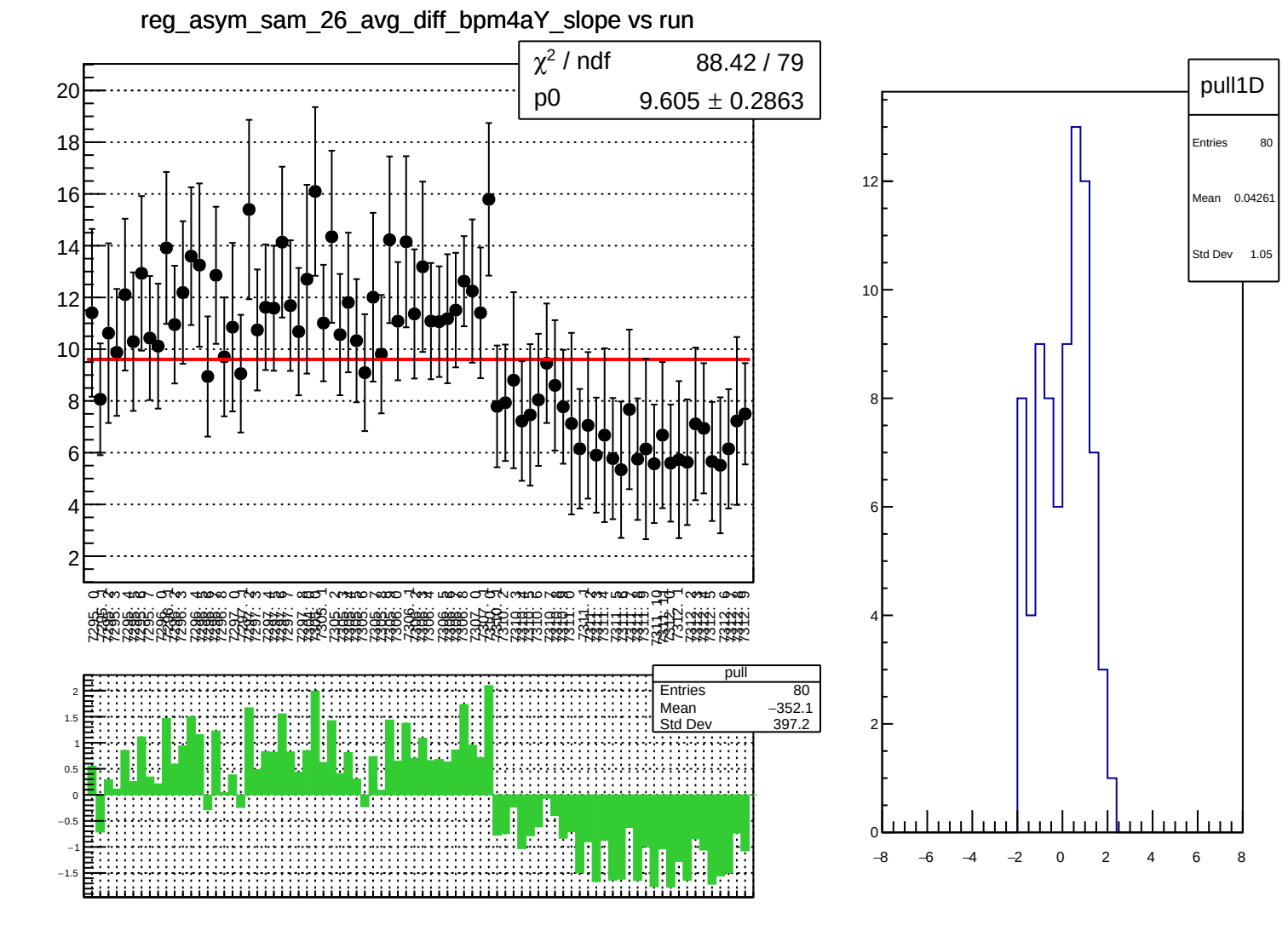

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 95.46 / 79
p0 17.76 ± 0.175
pull
Entries 80
Mean −3345
Std Dev 3391

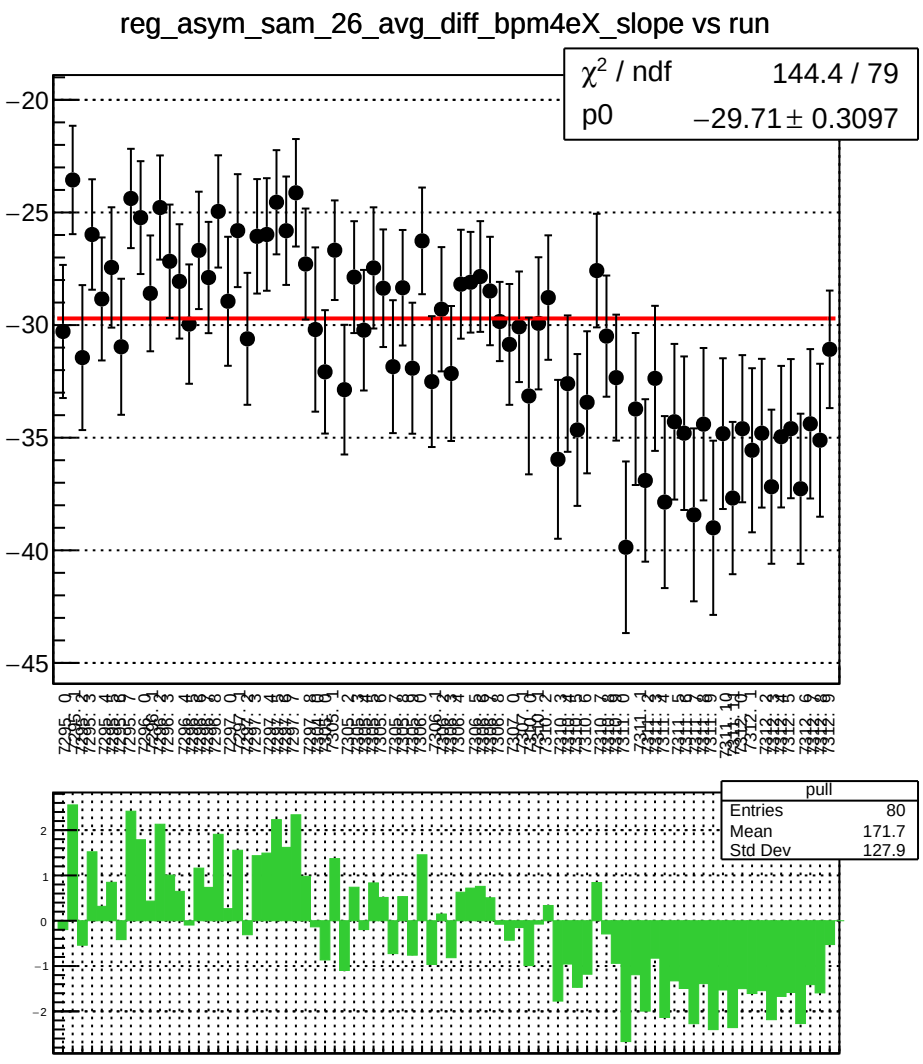

pull1D
Entries 80
Mean −0.004799
Std Dev 1.092

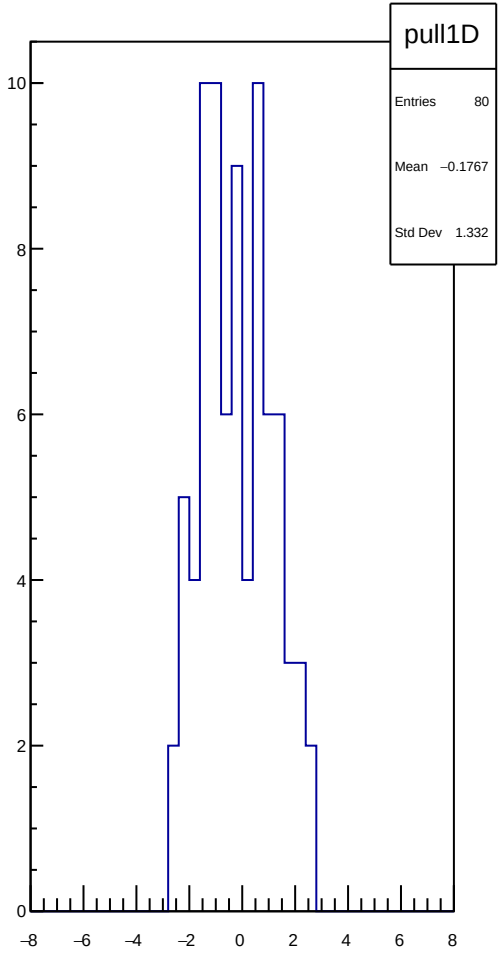

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 30.77 / 79
p0 −0.1457 ± 0.007437
pull
Entries 80
Mean 55.92
Std Dev 36.22

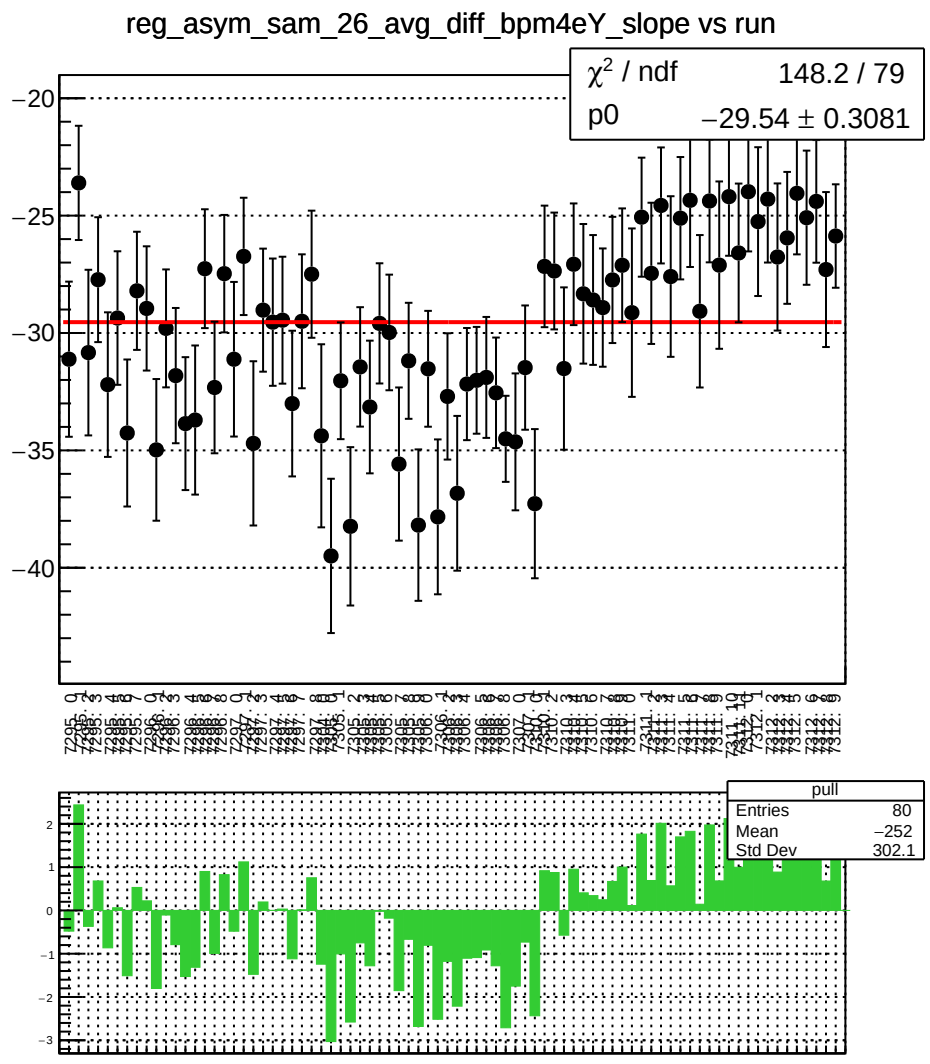

pull1D
Entries 80
Mean −0.06695
Std Dev 0.6165

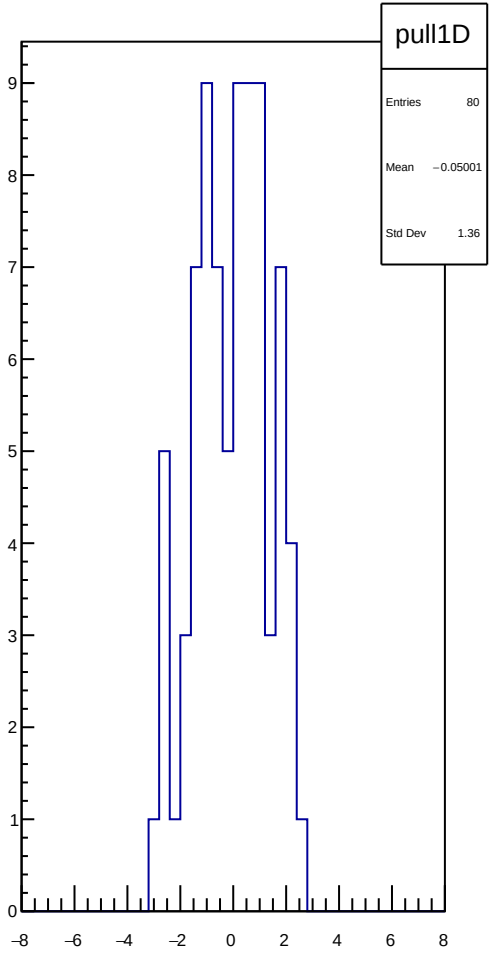

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 255.6 / 79
p0 −12.14 ± 0.3128
pull
Entries 80
Mean 191.2
Std Dev 144.8
pull1D
Entries 80
Mean 0.218
Std Dev 1.774

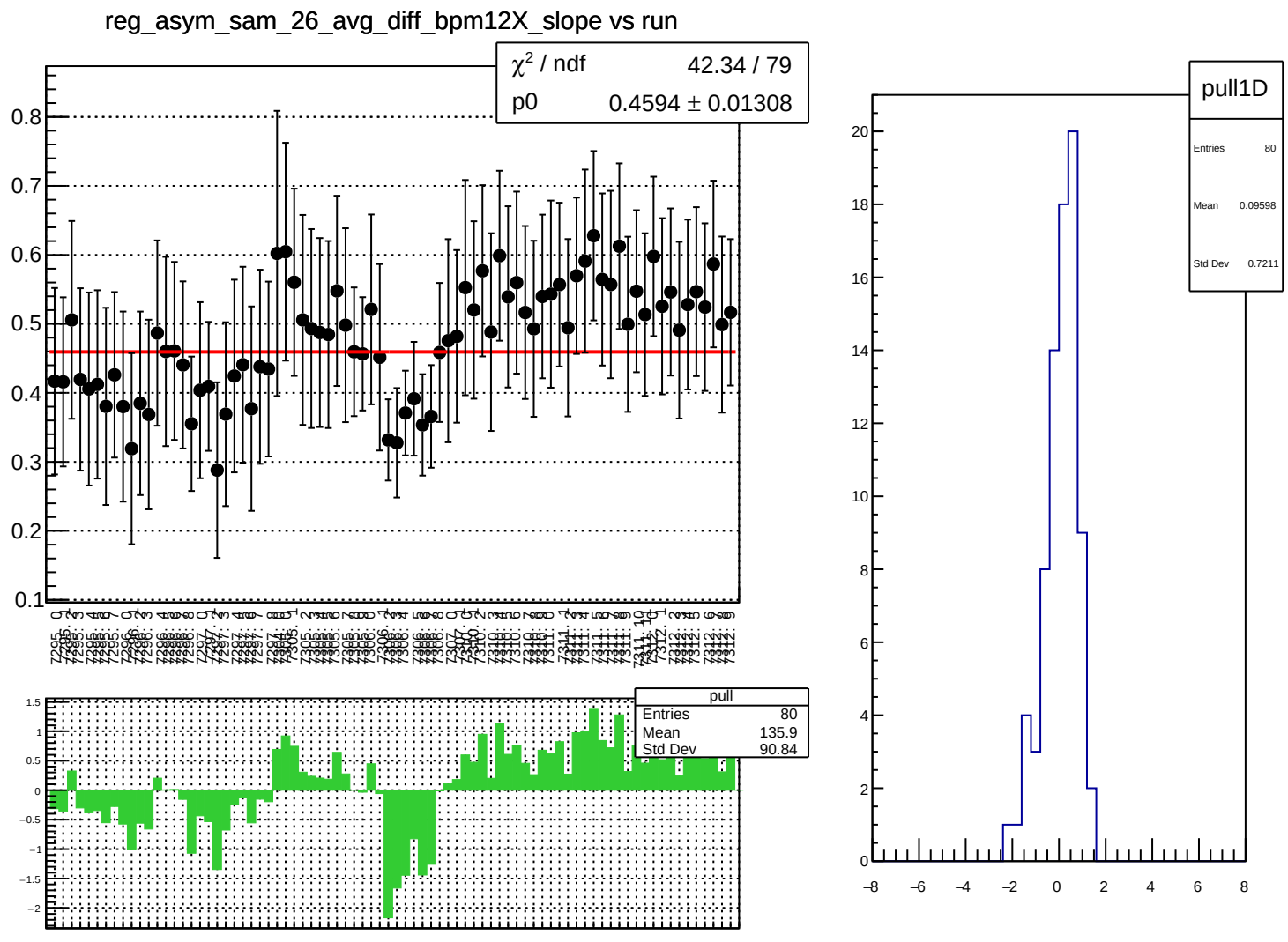

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.42 / 79
p0 9.605 ± 0.2863
pull
Entries 80
Mean −352.1
Std Dev 397.2
pull1D
Entries 80
Mean 0.04261
Std Dev 1.05

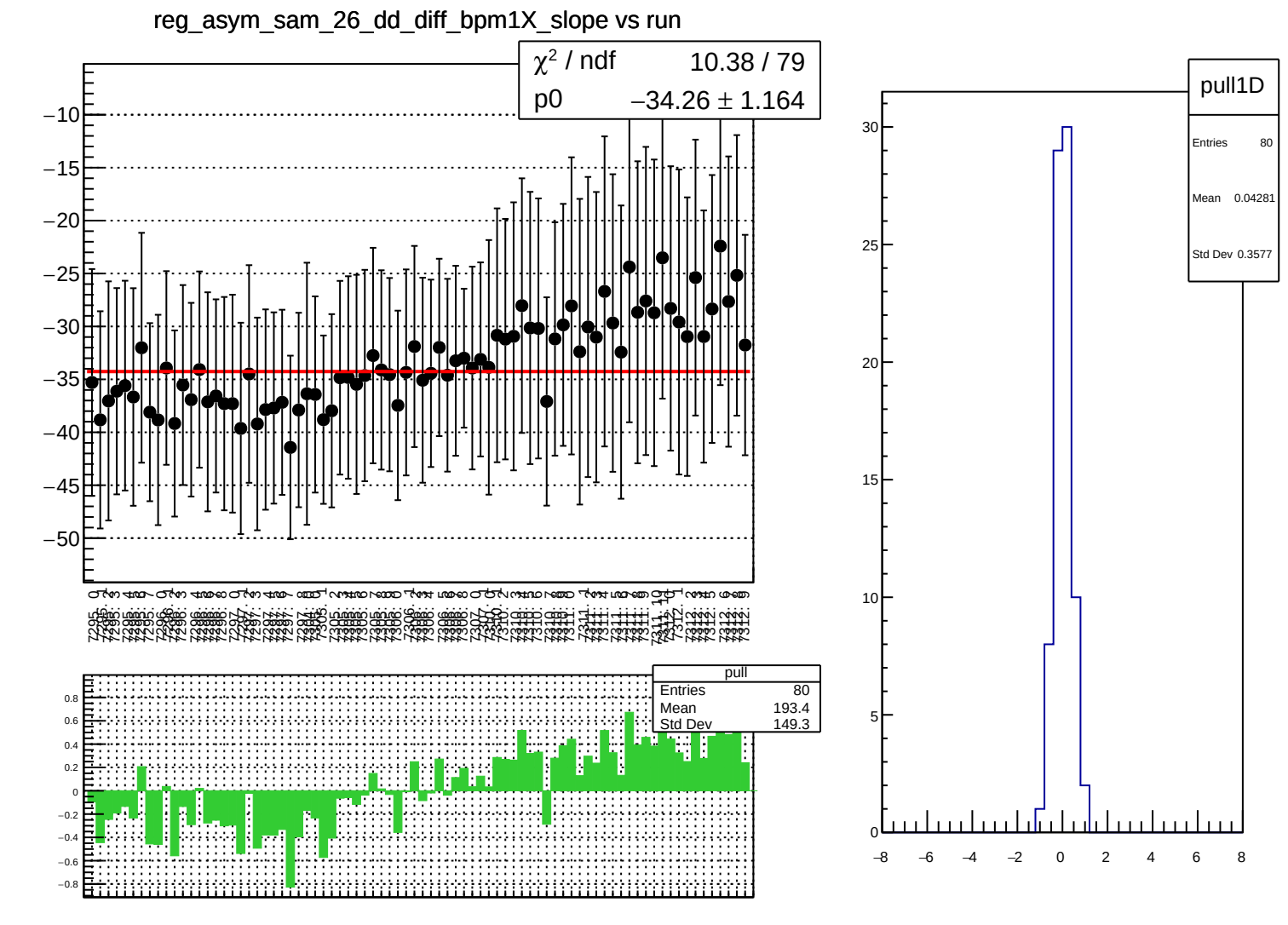

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 144.4 / 79
p0 −29.71 ± 0.3097
pull
Entries 80
Mean 171.7
Std Dev 127.9

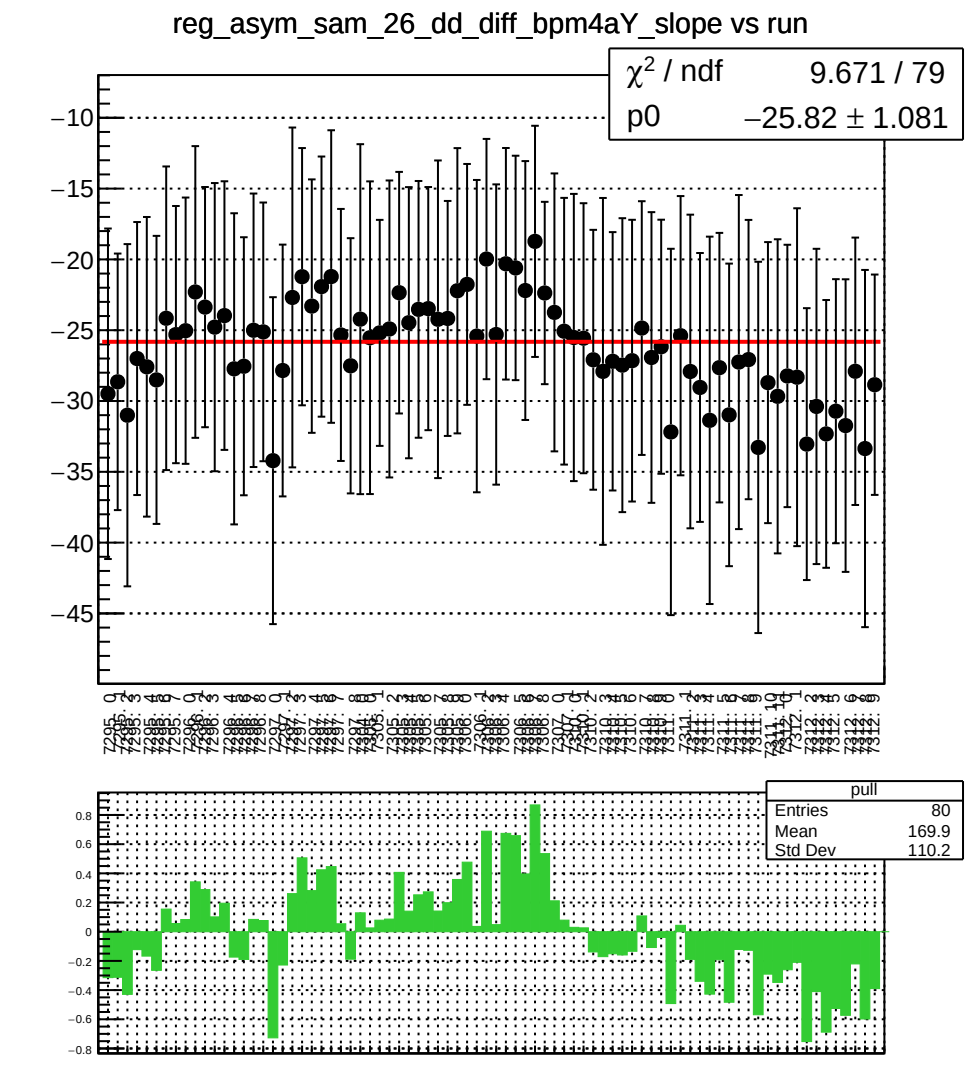

pull1D
Entries 80
Mean −0.1767
Std Dev 1.332

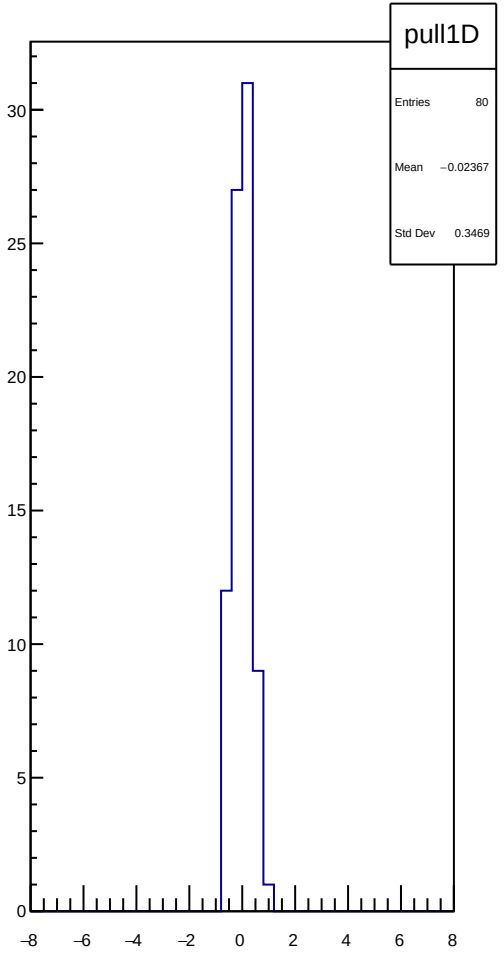

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 148.2 / 79
p0 −29.54 ± 0.3081
pull
Entries 80
Mean −252
Std Dev 302.1

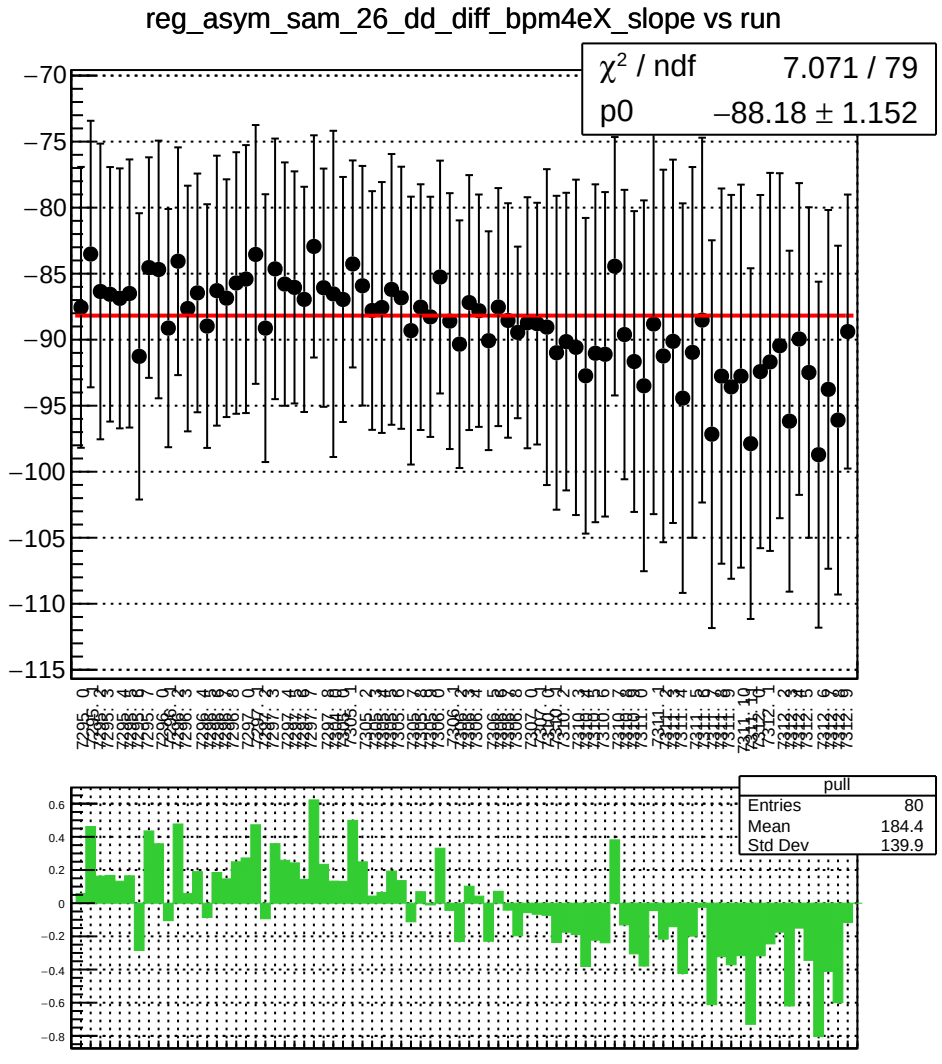

pull1D
Entries 80
Mean −0.05001
Std Dev 1.36

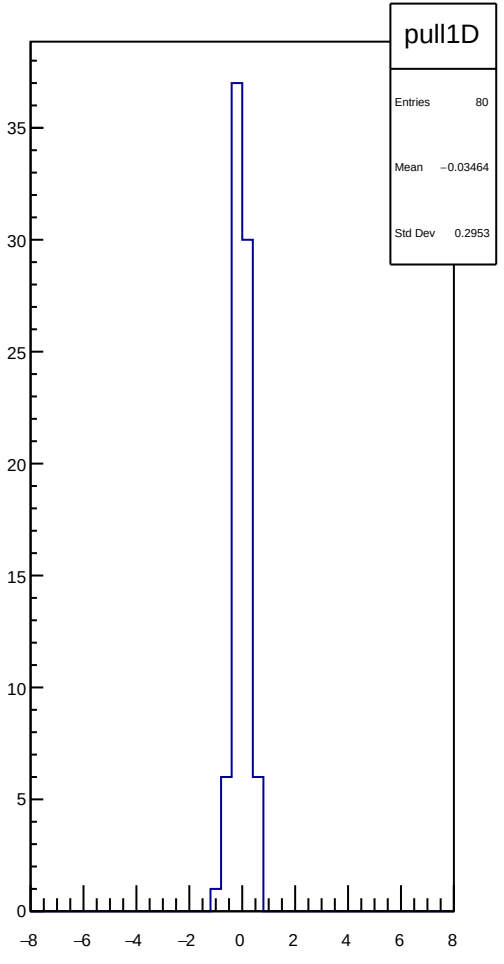

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 42.34 / 79
p0 0.4594 ± 0.01308
pull
Entries 80
Mean 135.9
Std Dev 90.84
pull1D
Entries 80
Mean 0.09598
Std Dev 0.7211

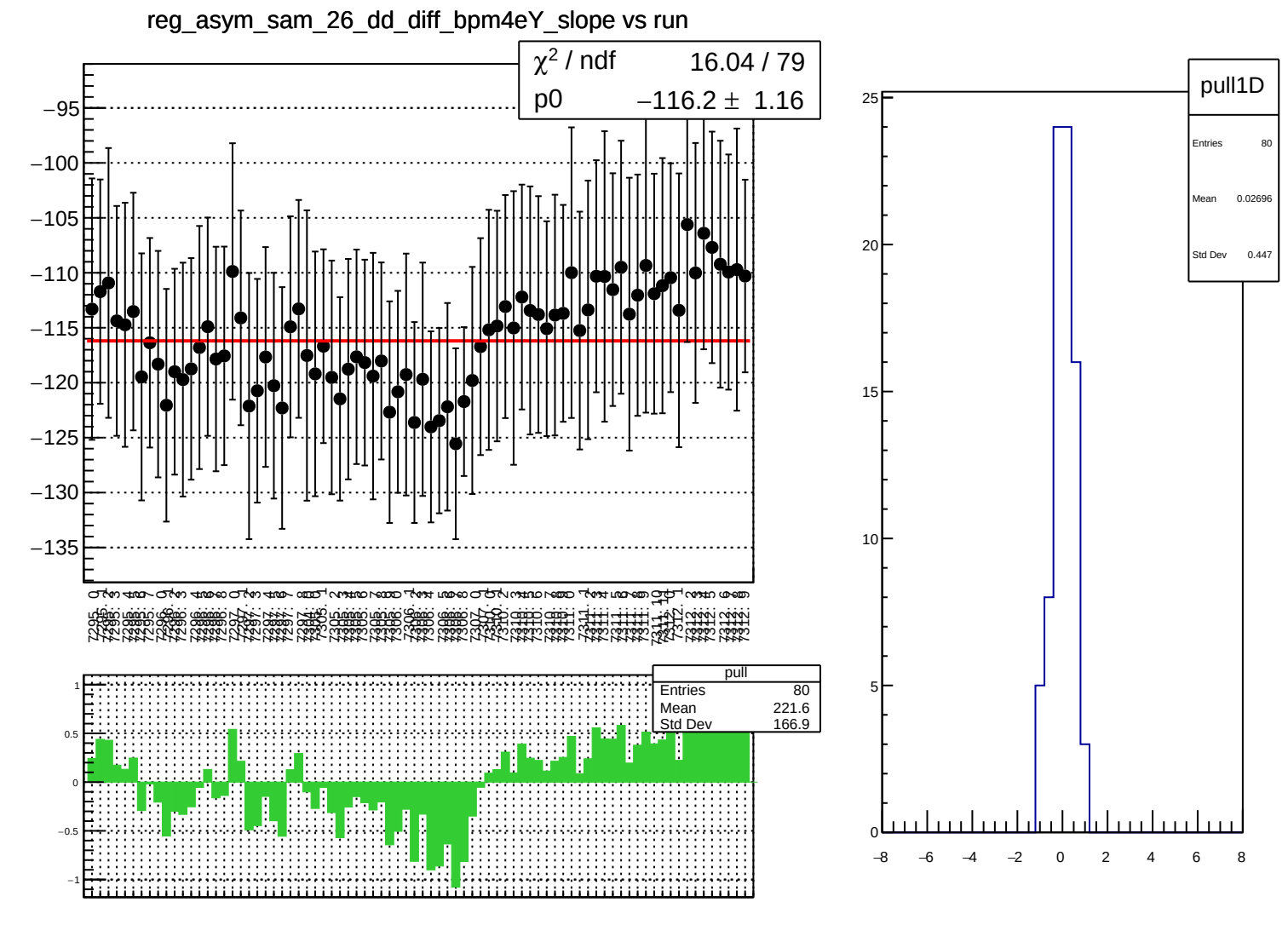

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 10.38 / 79
p0 −34.26 ± 1.164
pull
Entries 80
Mean 193.4
Std Dev 149.3
pull1D
Entries 80
Mean 0.04281
Std Dev 0.3577

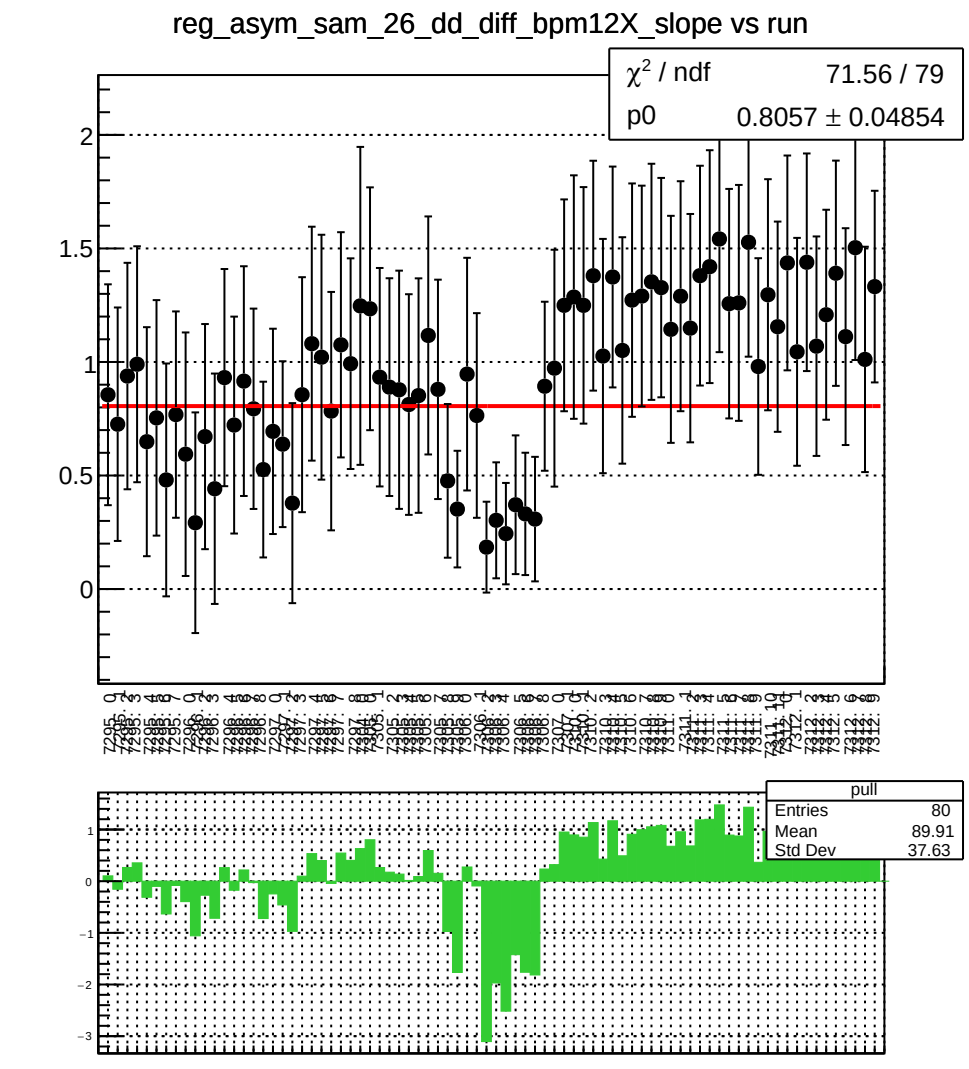

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.671 / 79
p0 −25.82 ± 1.081
pull
Entries 80
Mean 169.9
Std Dev 110.2

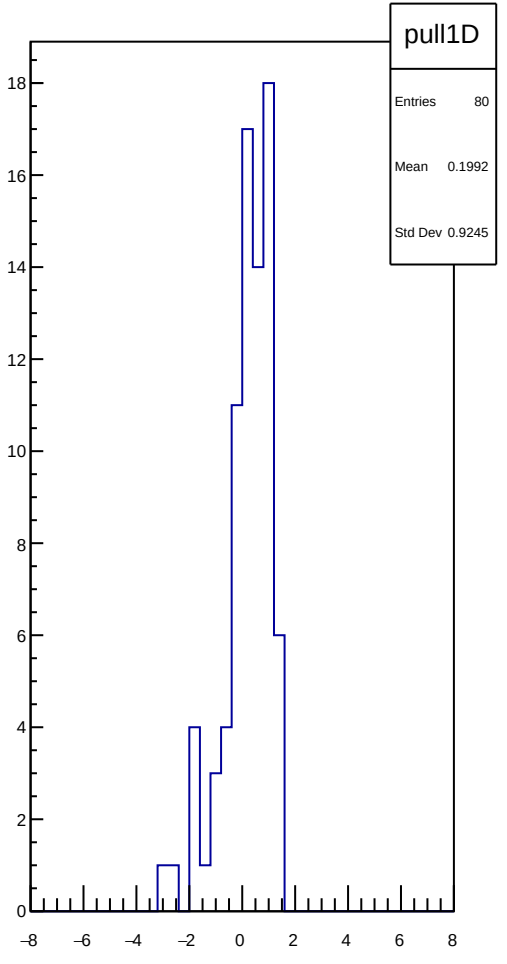

pull1D
Entries 80
Mean −0.02367
Std Dev 0.3469

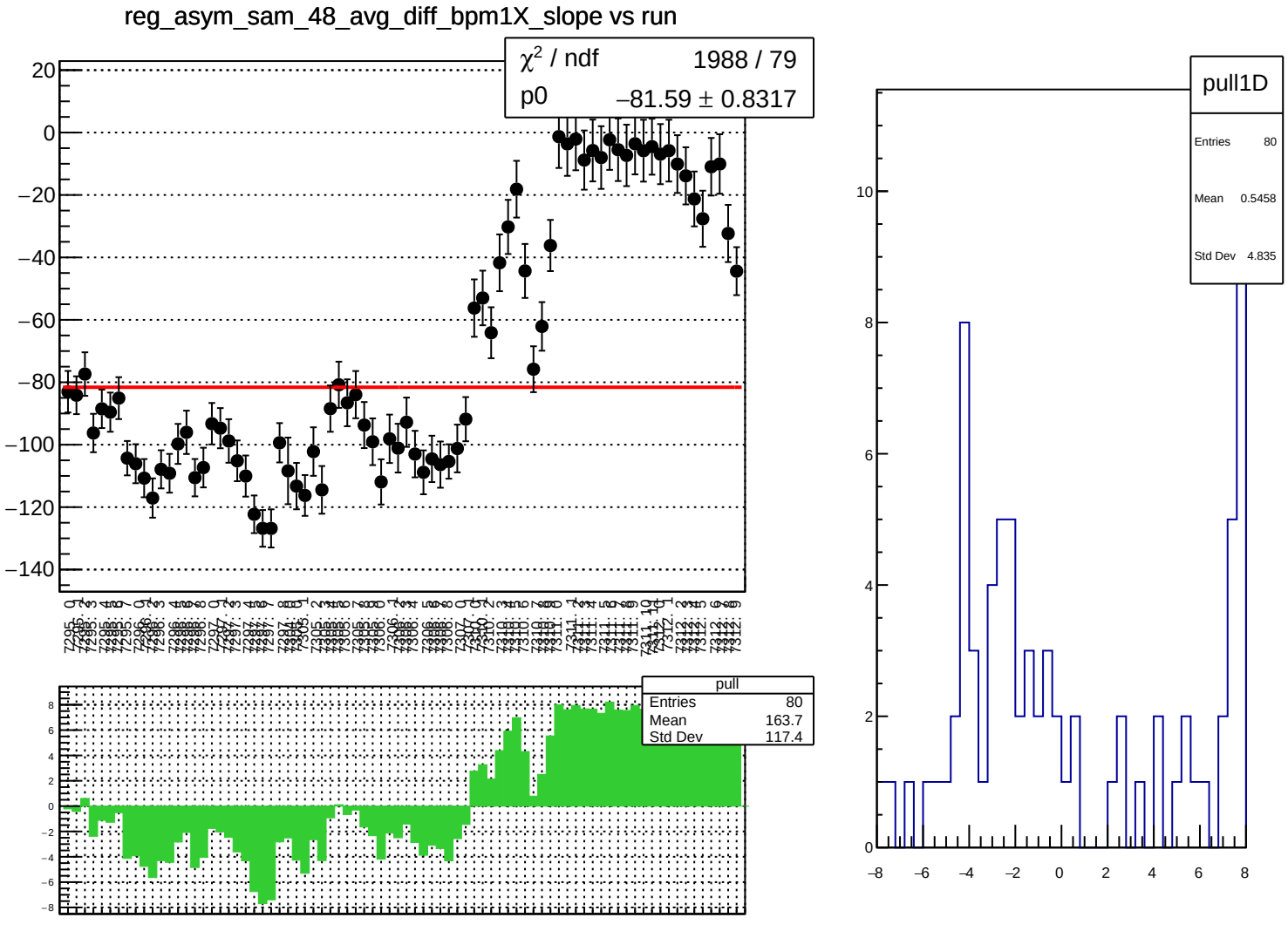

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.071 / 79
p0 −88.18 ± 1.152
pull
Entries 80
Mean 184.4
Std Dev 139.9

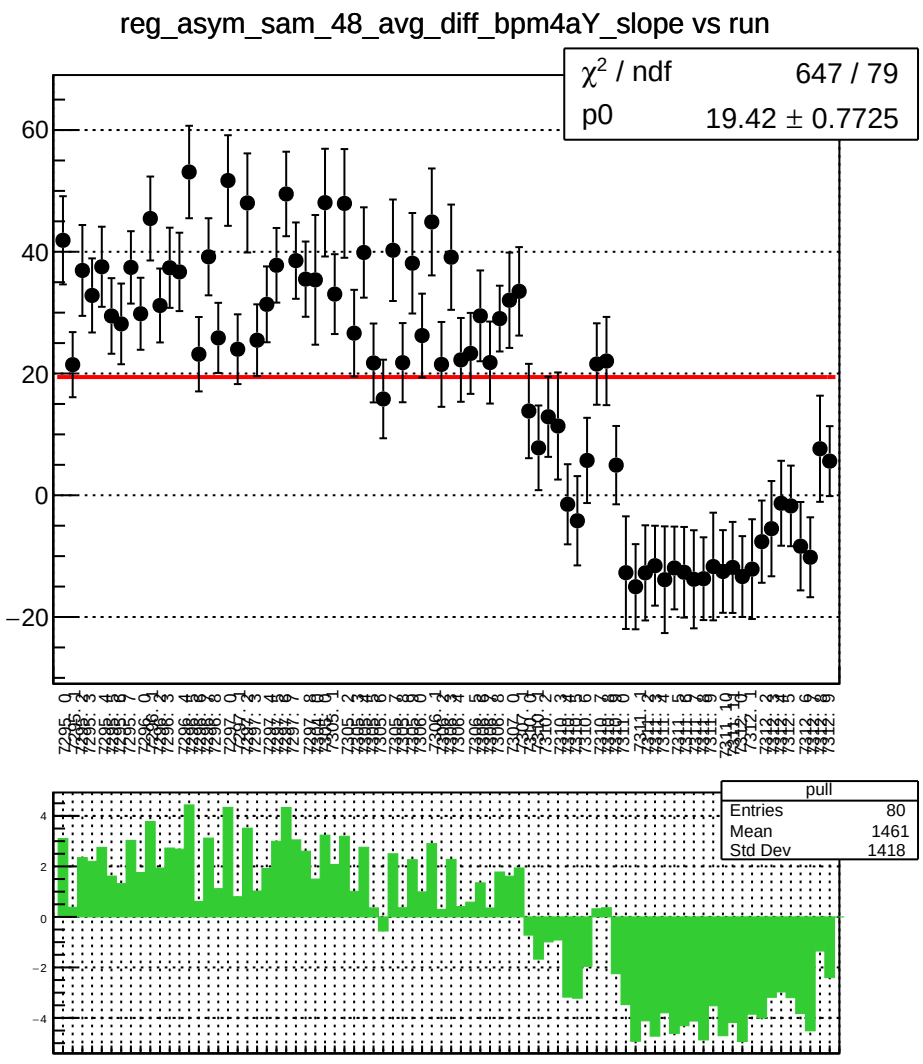

pull1D
Entries 80
Mean −0.03464
Std Dev 0.2953

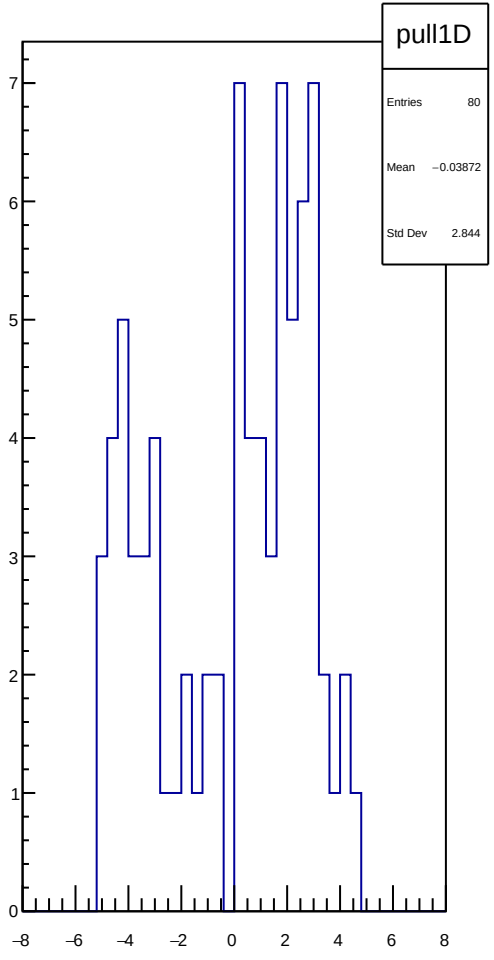

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 79
p0 −116.2 ± 1.16
pull
Entries 80
Mean 221.6
Std Dev 166.9
pull1D
Entries 80
Mean 0.02696
Std Dev 0.447

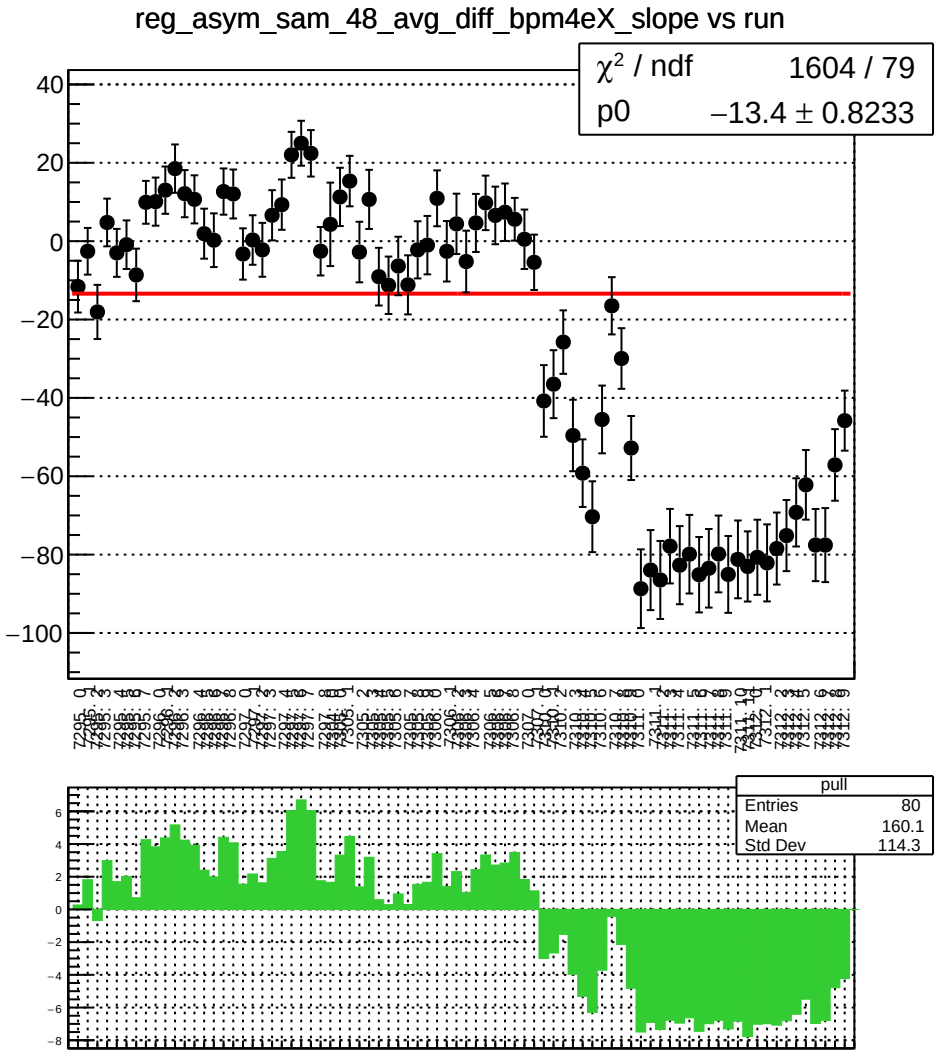

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 71.56 / 79
p0 0.8057 ± 0.04854
pull
Entries 80
Mean 89.91
Std Dev 37.63

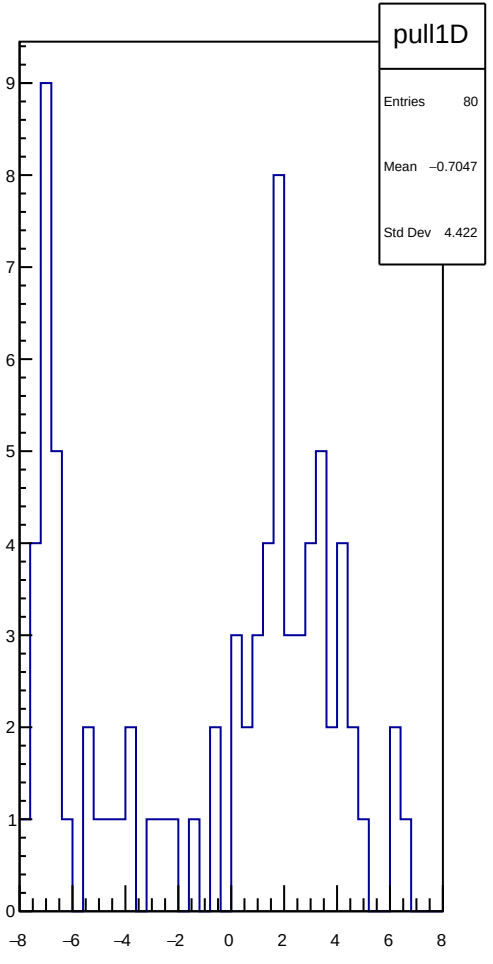

pull1D
Entries 80
Mean 0.1992
Std Dev 0.9245

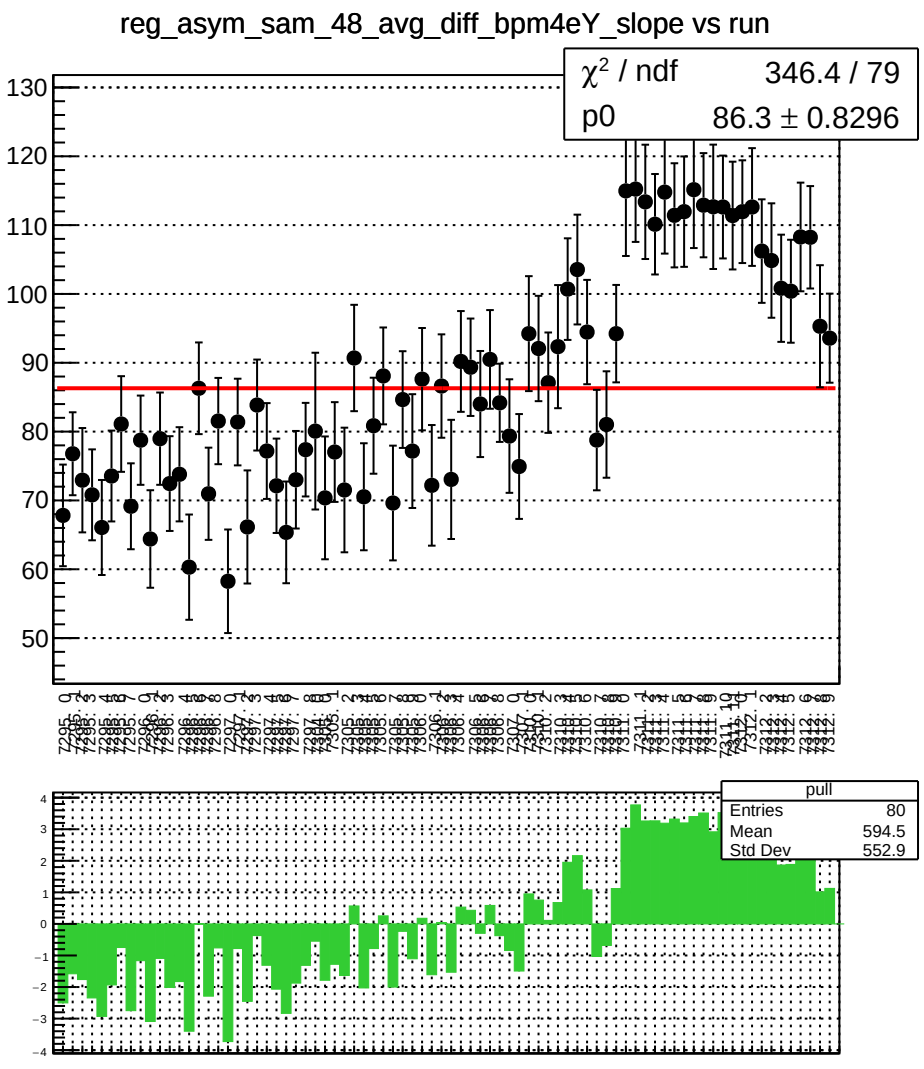

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1988 / 79
p0 −81.59 ± 0.8317
pull
Entries 80
Mean 163.7
Std Dev 117.4
pull1D
Entries 80
Mean 0.5458
Std Dev 4.835

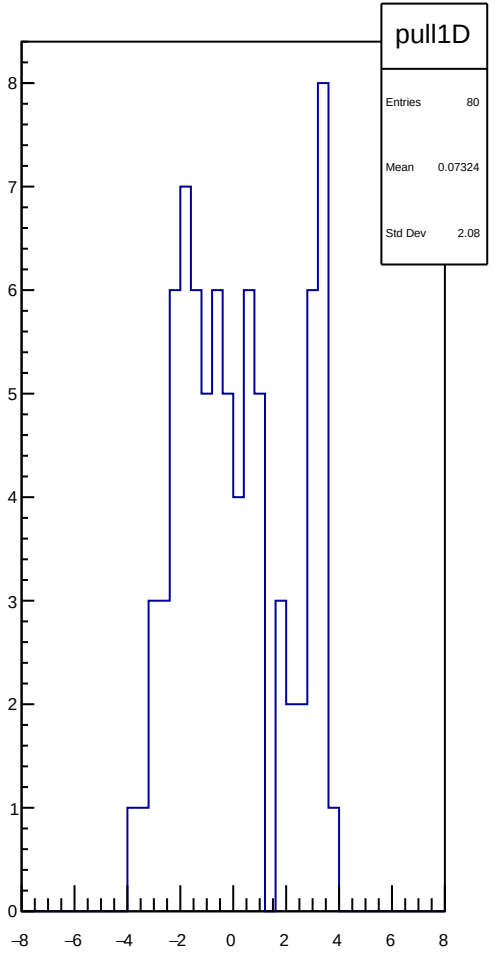

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 647 / 79
p0 19.42 ± 0.7725
60
40
20
0
−20
pull
Entries 80
Mean 1461
Std Dev 1418
4
2
0
−2
−4

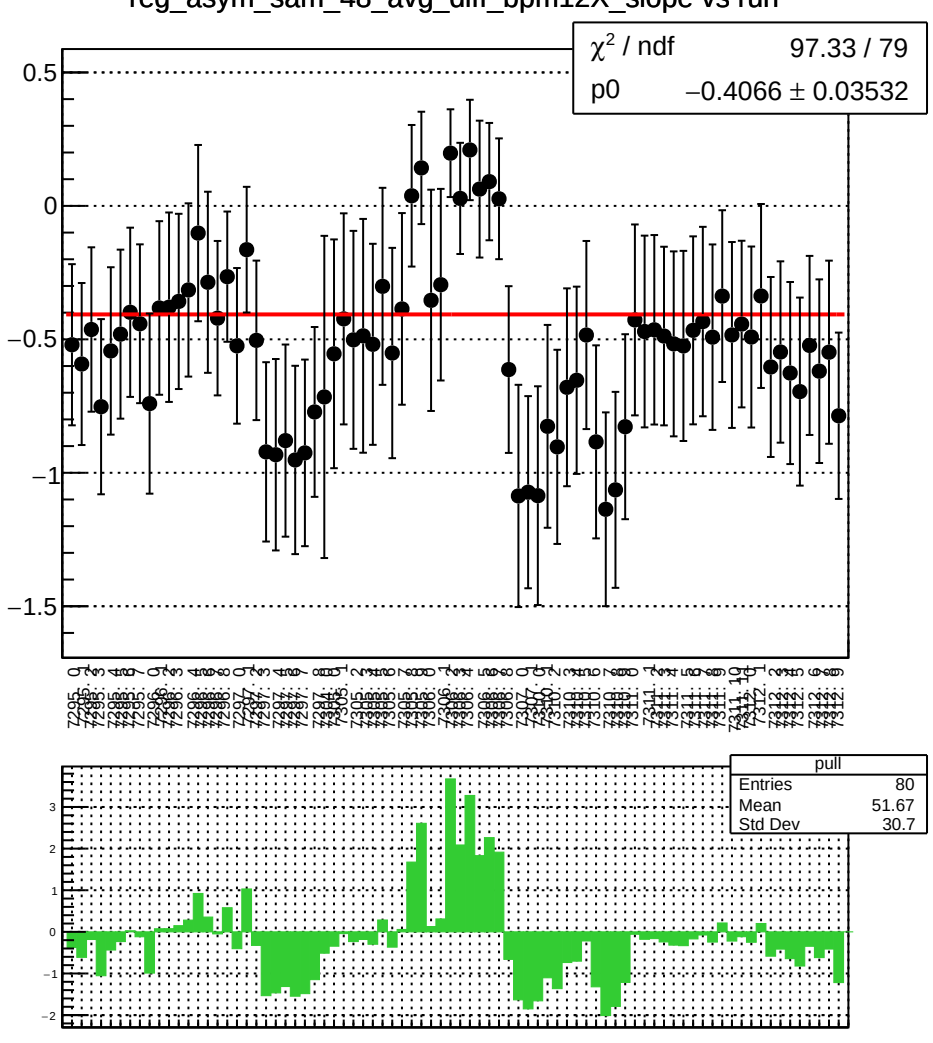

pull1D
Entries 80
Mean −0.03872
Std Dev 2.844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

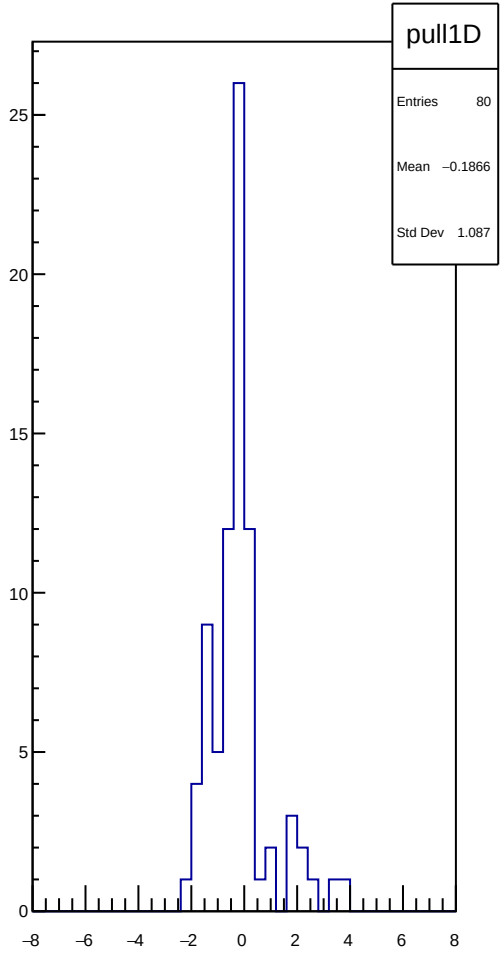

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1604 / 79
p0 −13.4 ± 0.8233
pull
Entries 80
Mean 160.1
Std Dev 114.3

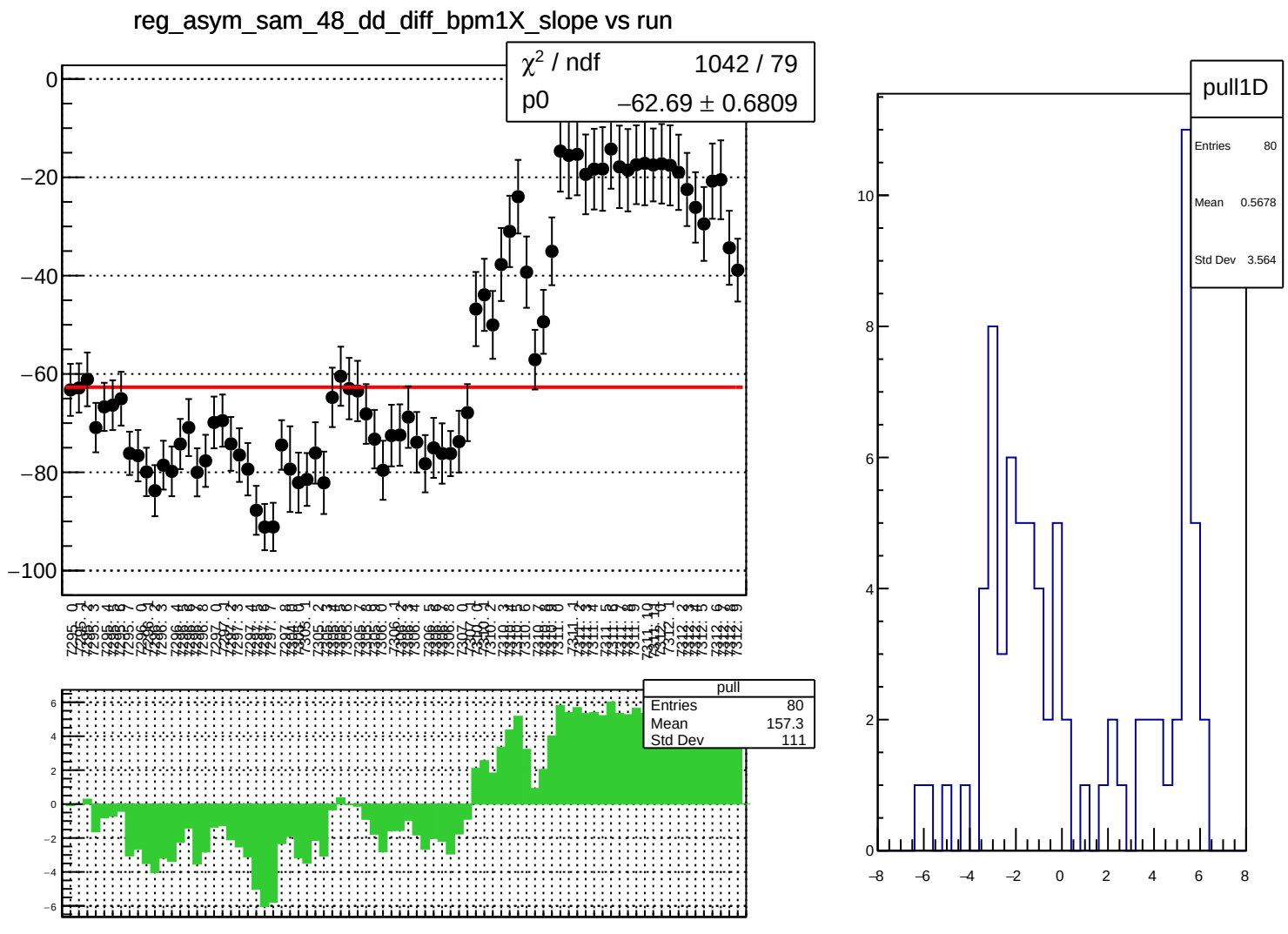

pull1D
Entries 80
Mean −0.7047
Std Dev 4.422

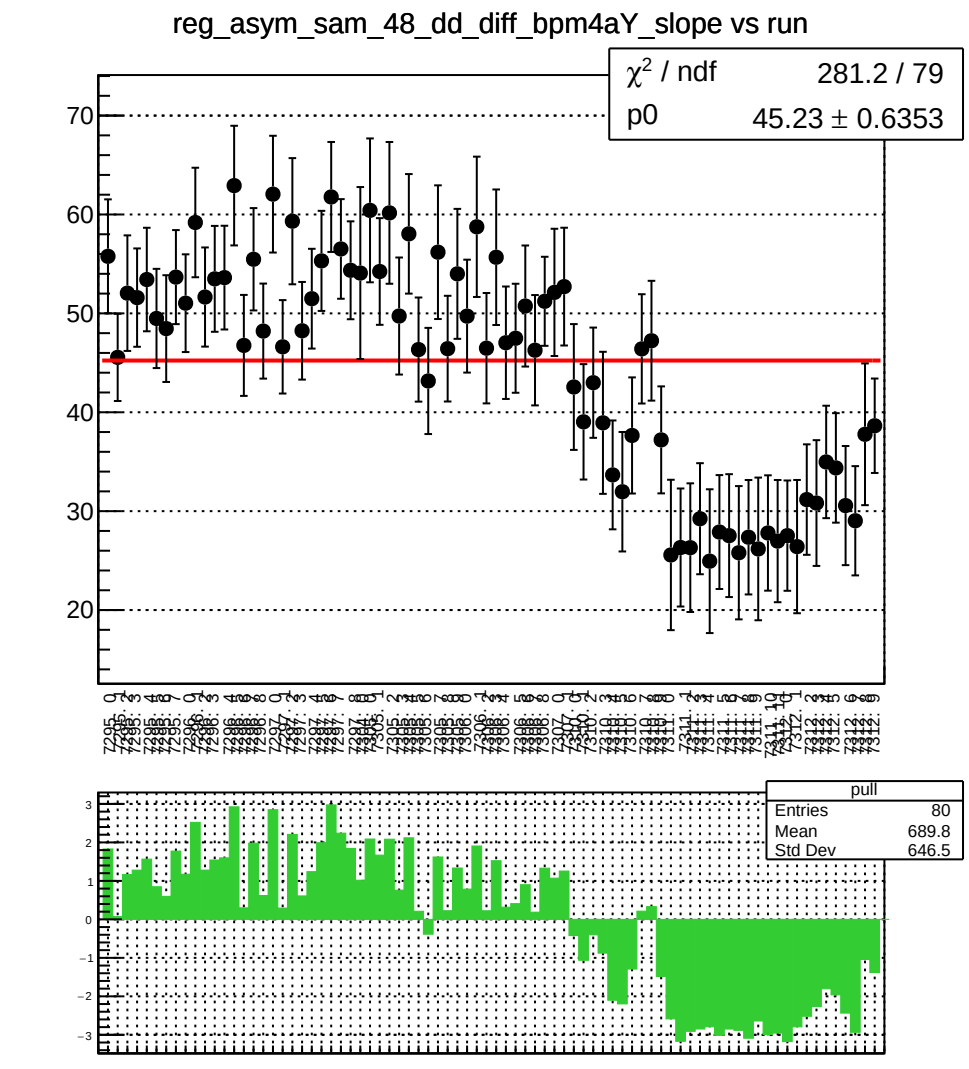

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 346.4 / 79
p0 86.3 ± 0.8296
pull
Entries 80
Mean 594.5
Std Dev 552.9

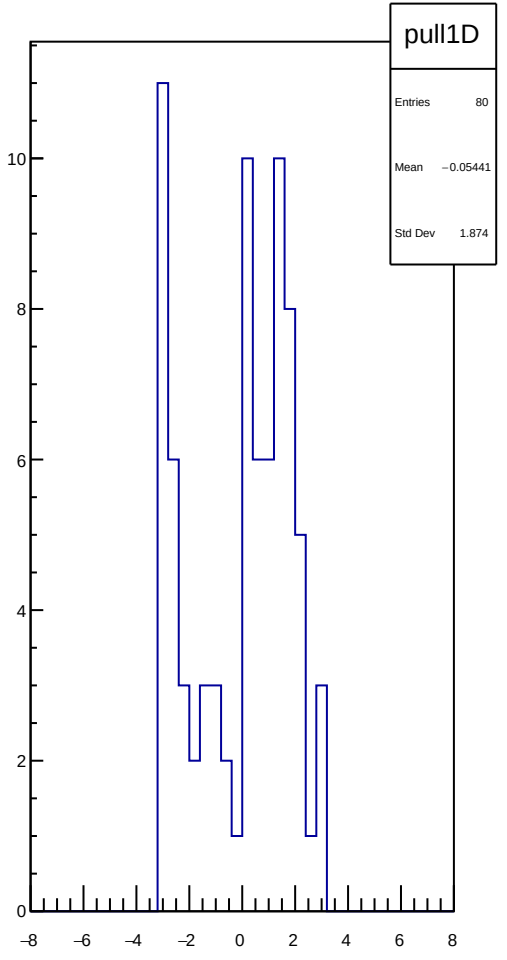

pull1D
Entries 80
Mean 0.07324
Std Dev 2.08

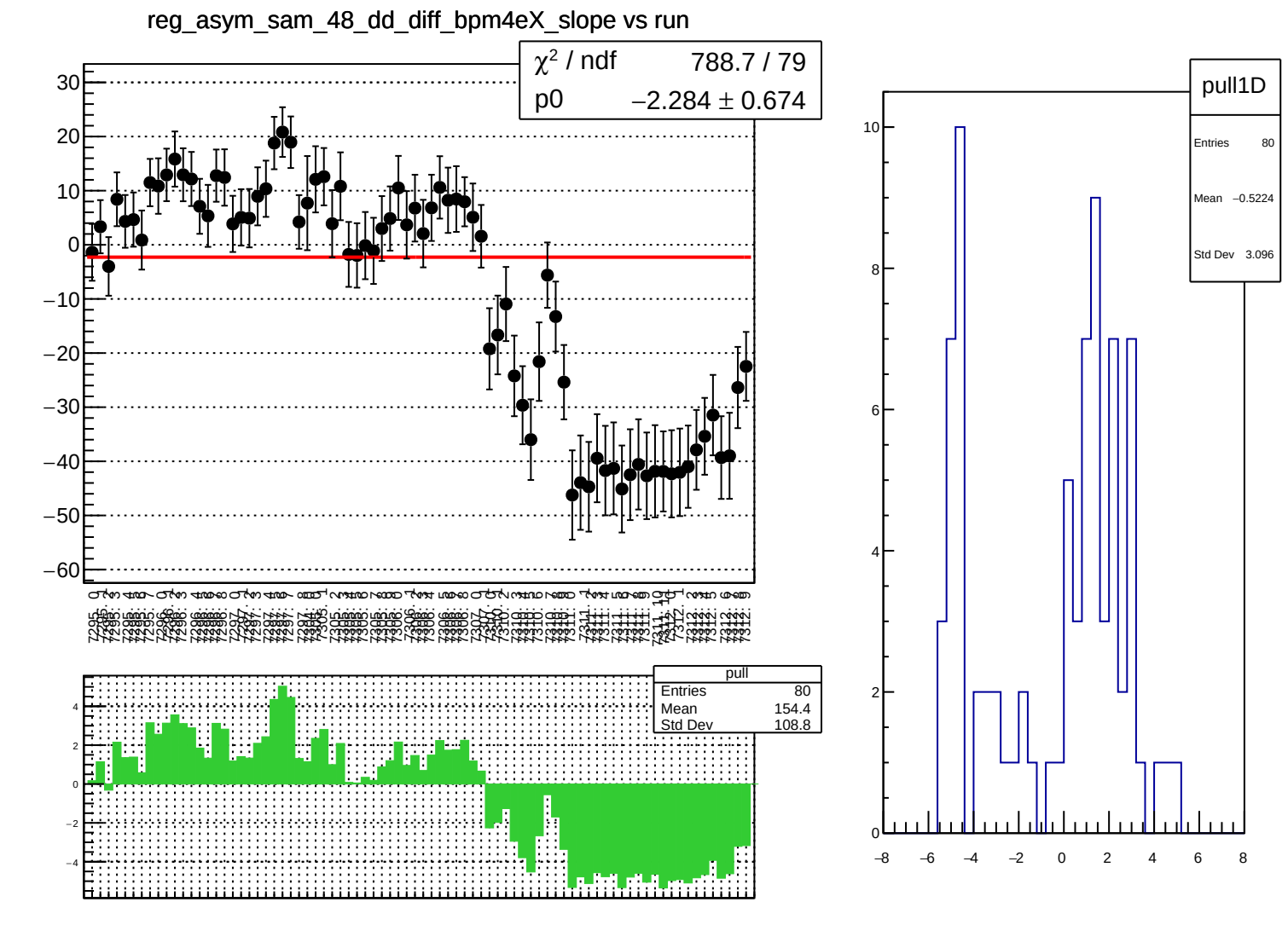

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 97.33 / 79
p0 −0.4066 ± 0.03532
pull
Entries 80
Mean 51.67
Std Dev 30.7

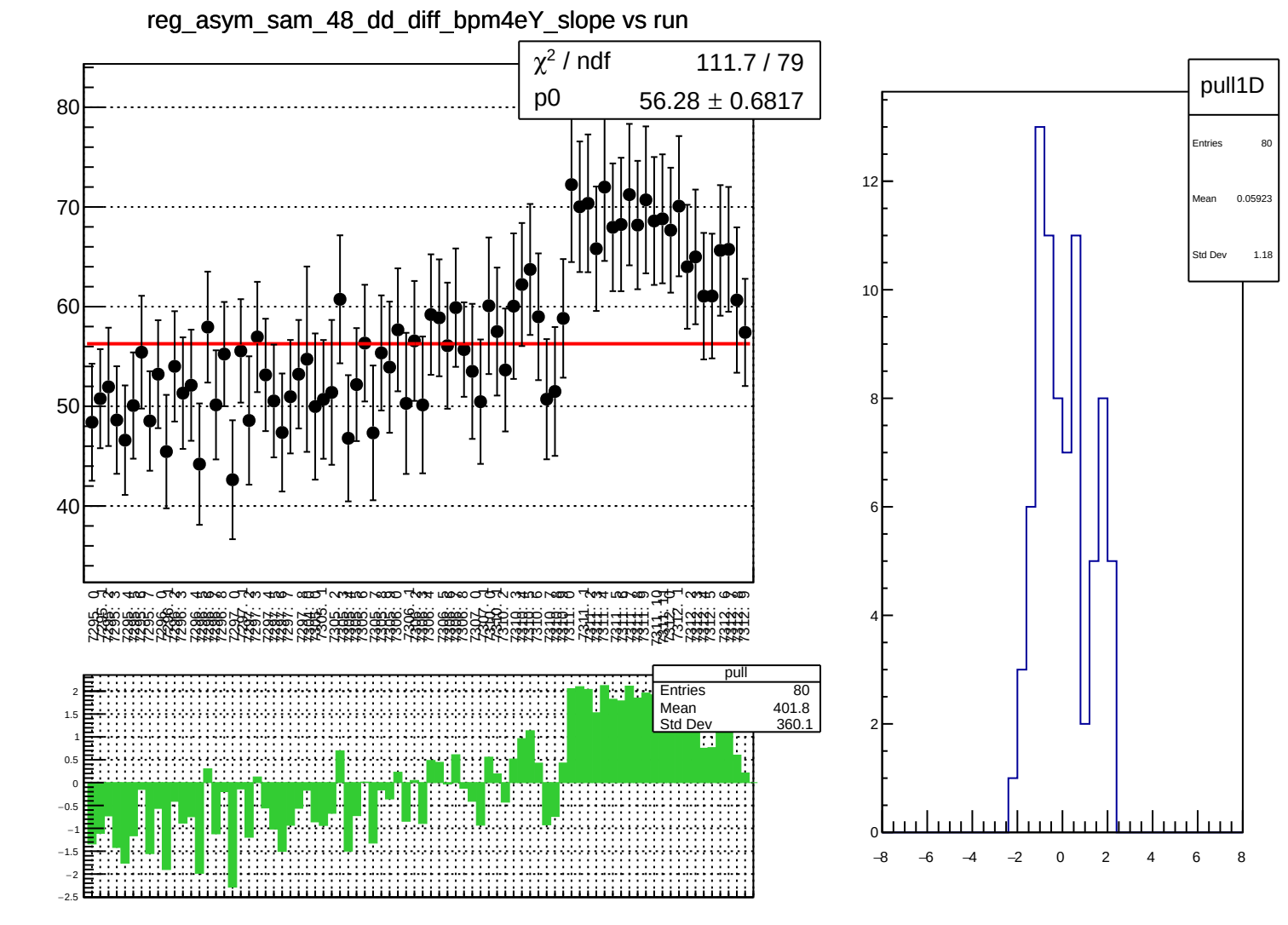

pull1D
Entries 80
Mean −0.1866
Std Dev 1.087

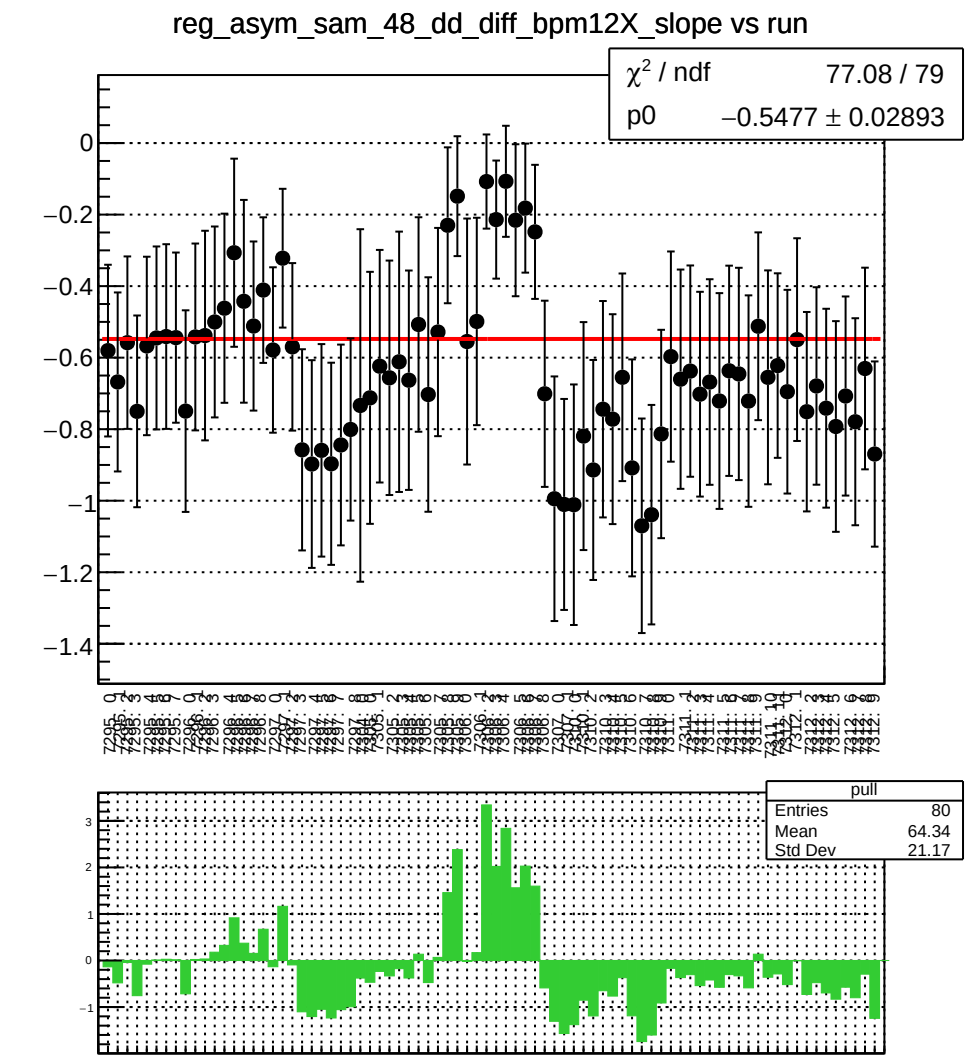

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1042 / 79
p0 −62.69 ± 0.6809
pull
Entries 80
Mean 157.3
Std Dev 111
pull1D
Entries 80
Mean 0.5678
Std Dev 3.564

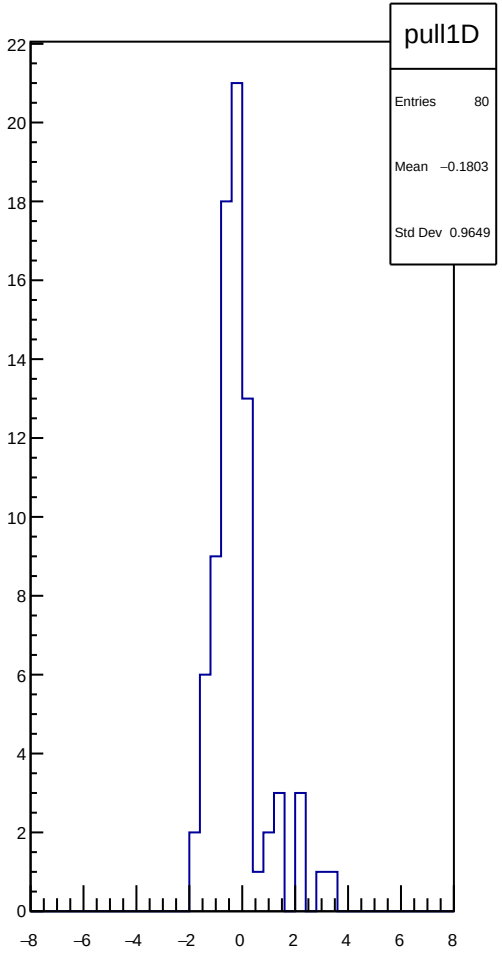

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 281.2 / 79
p0 45.23 ± 0.6353
pull
Entries 80
Mean 689.8
Std Dev 646.5

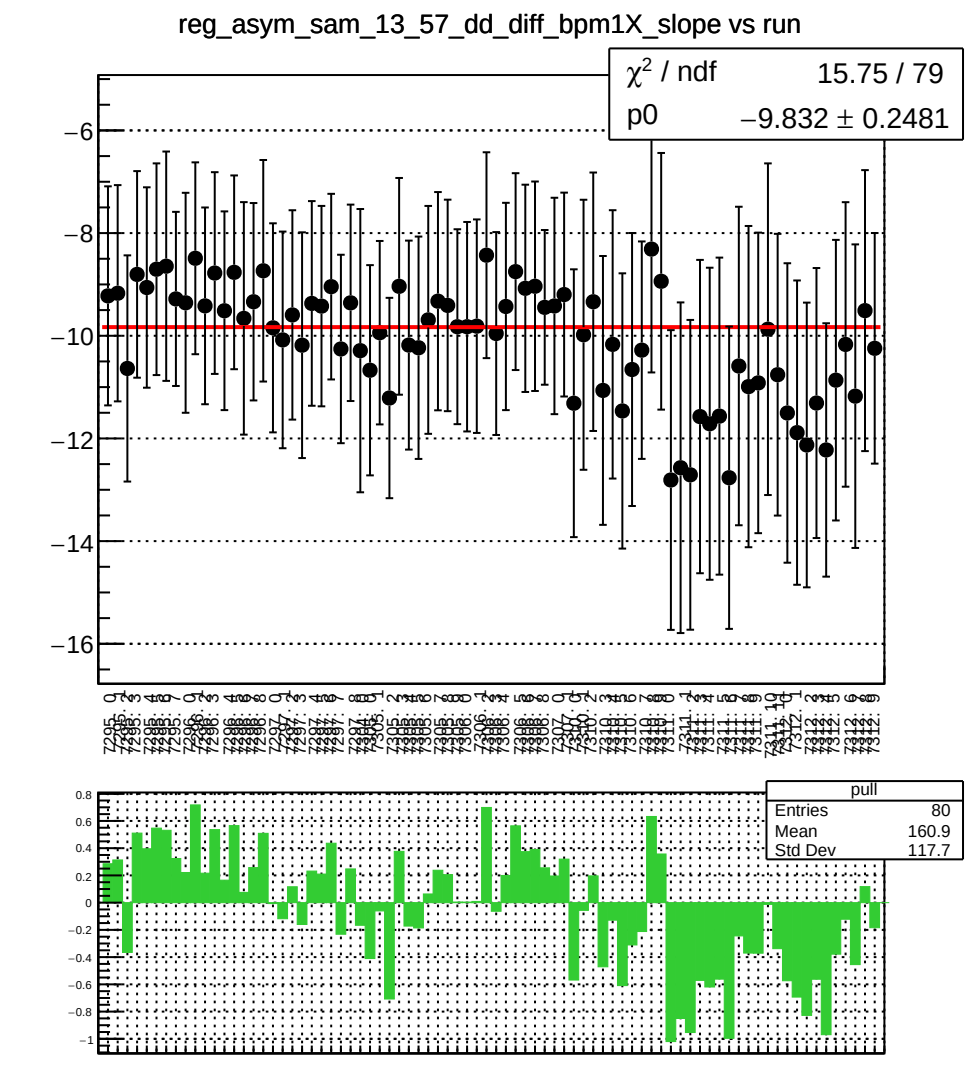

pull1D
Entries 80
Mean −0.05441
Std Dev 1.874

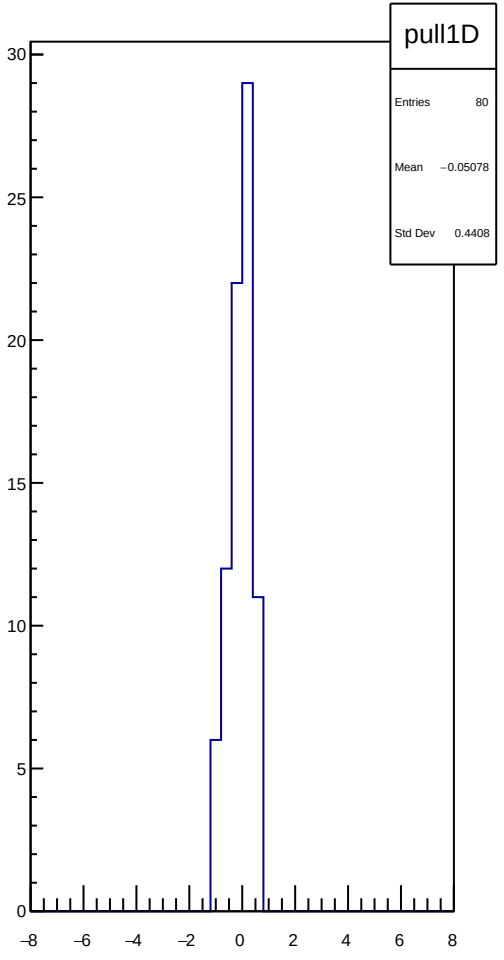

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 788.7 / 79
p0 −2.284 ± 0.674
pull
Entries 80
Mean 154.4
Std Dev 108.8
pull1D
Entries 80
Mean −0.5224
Std Dev 3.096

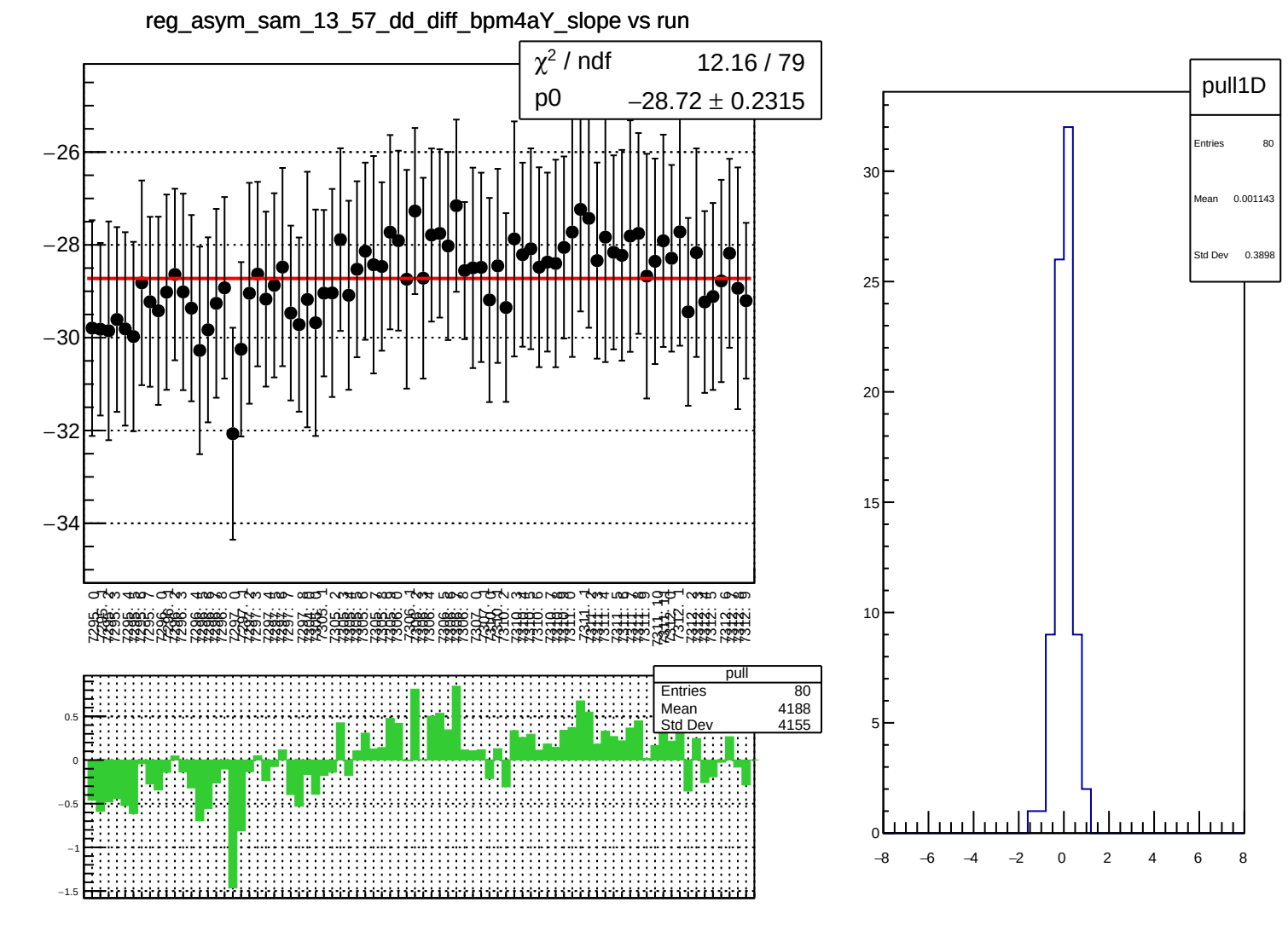

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 111.7 / 79
p0 56.28 ± 0.6817
pull
Entries 80
Mean 401.8
Std Dev 360.1
pull1D
Entries 80
Mean 0.05923
Std Dev 1.18

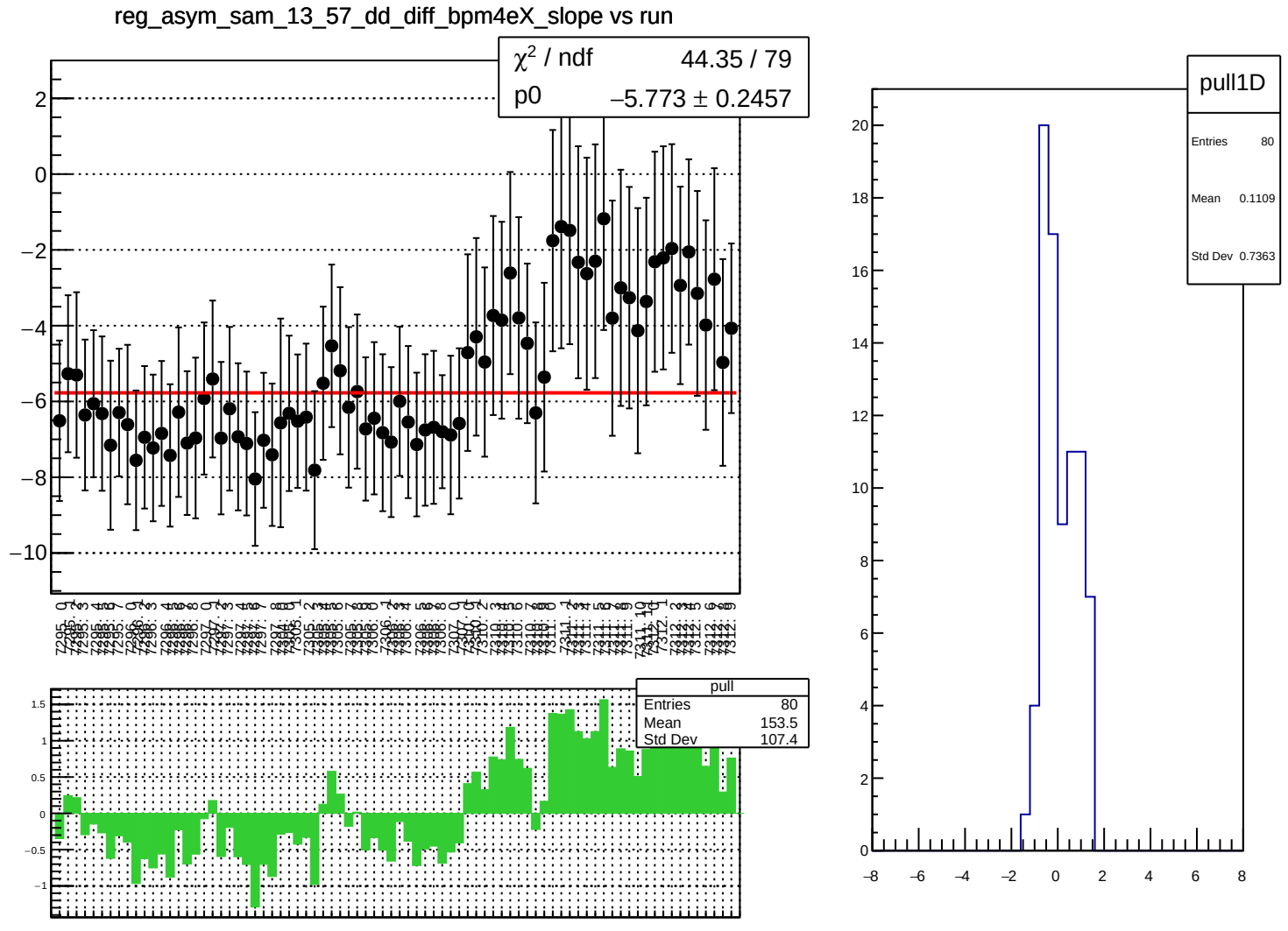

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.08 / 79
p0 −0.5477 ± 0.02893
pull
Entries 80
Mean 64.34
Std Dev 21.17

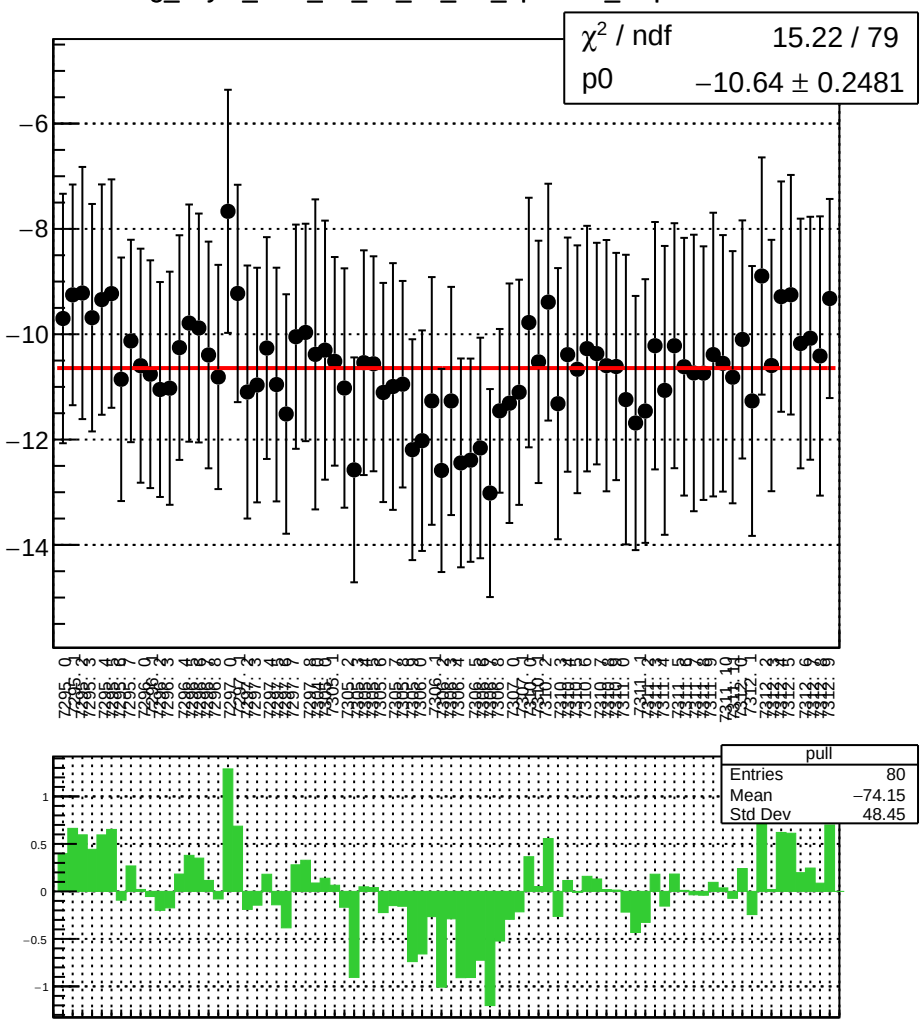

pull1D
Entries 80
Mean −0.1803
Std Dev 0.9649

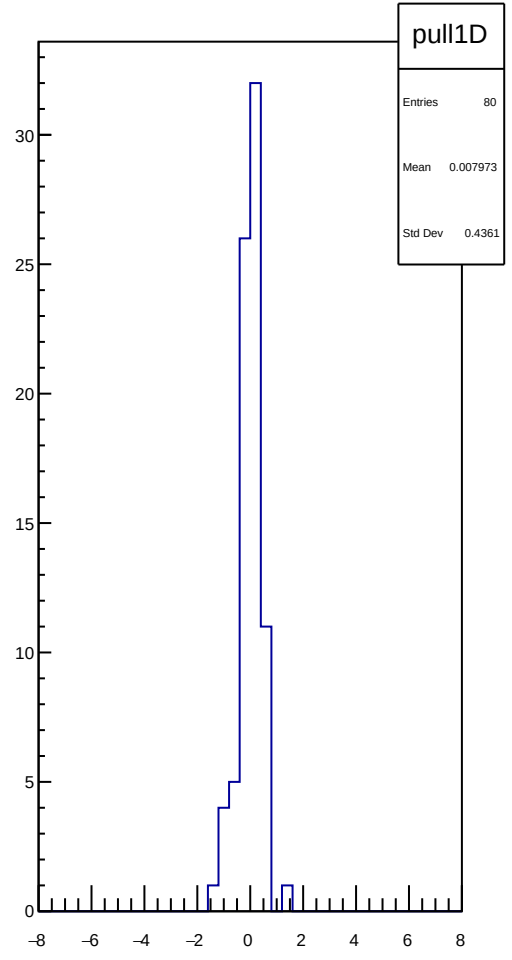

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 15.75 / 79
p0 −9.832 ± 0.2481
pull
Entries 80
Mean 160.9
Std Dev 117.7

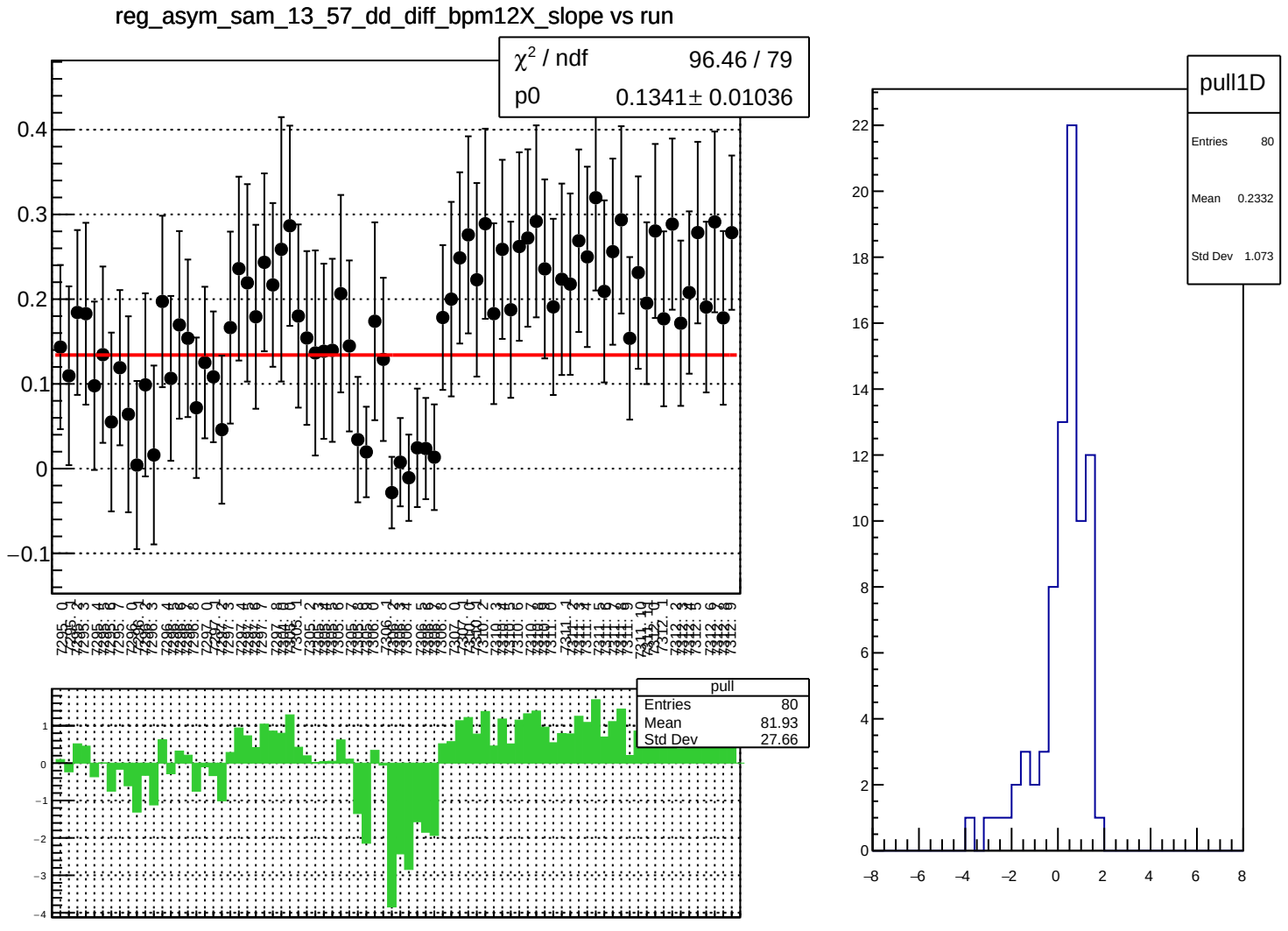

pull1D
Entries 80
Mean −0.05078
Std Dev 0.4408

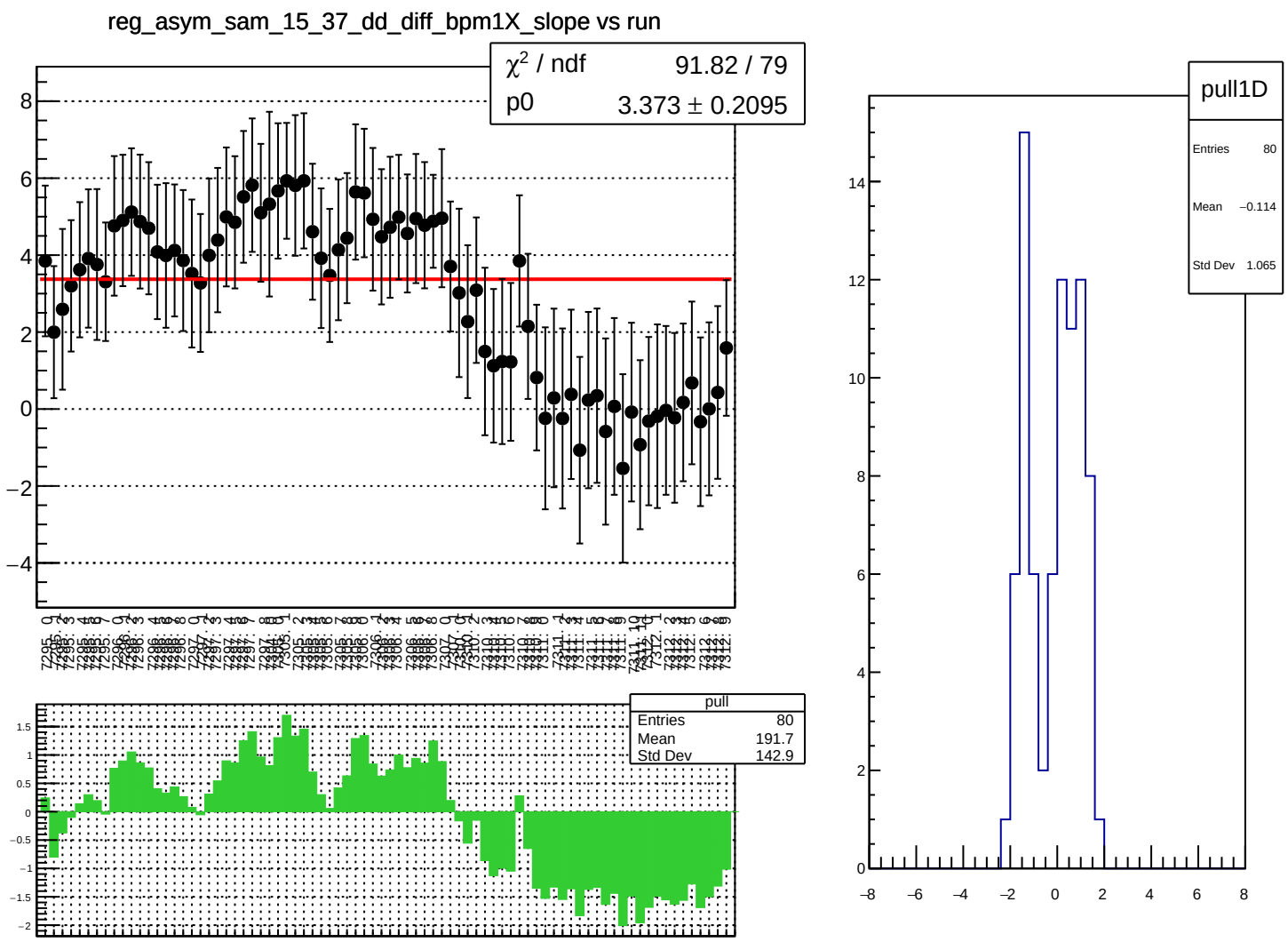

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.16 / 79
p0 −28.72 ± 0.2315
pull
Entries 80
Mean 4188
Std Dev 4155
pull1D
Entries 80
Mean 0.001143
Std Dev 0.3898

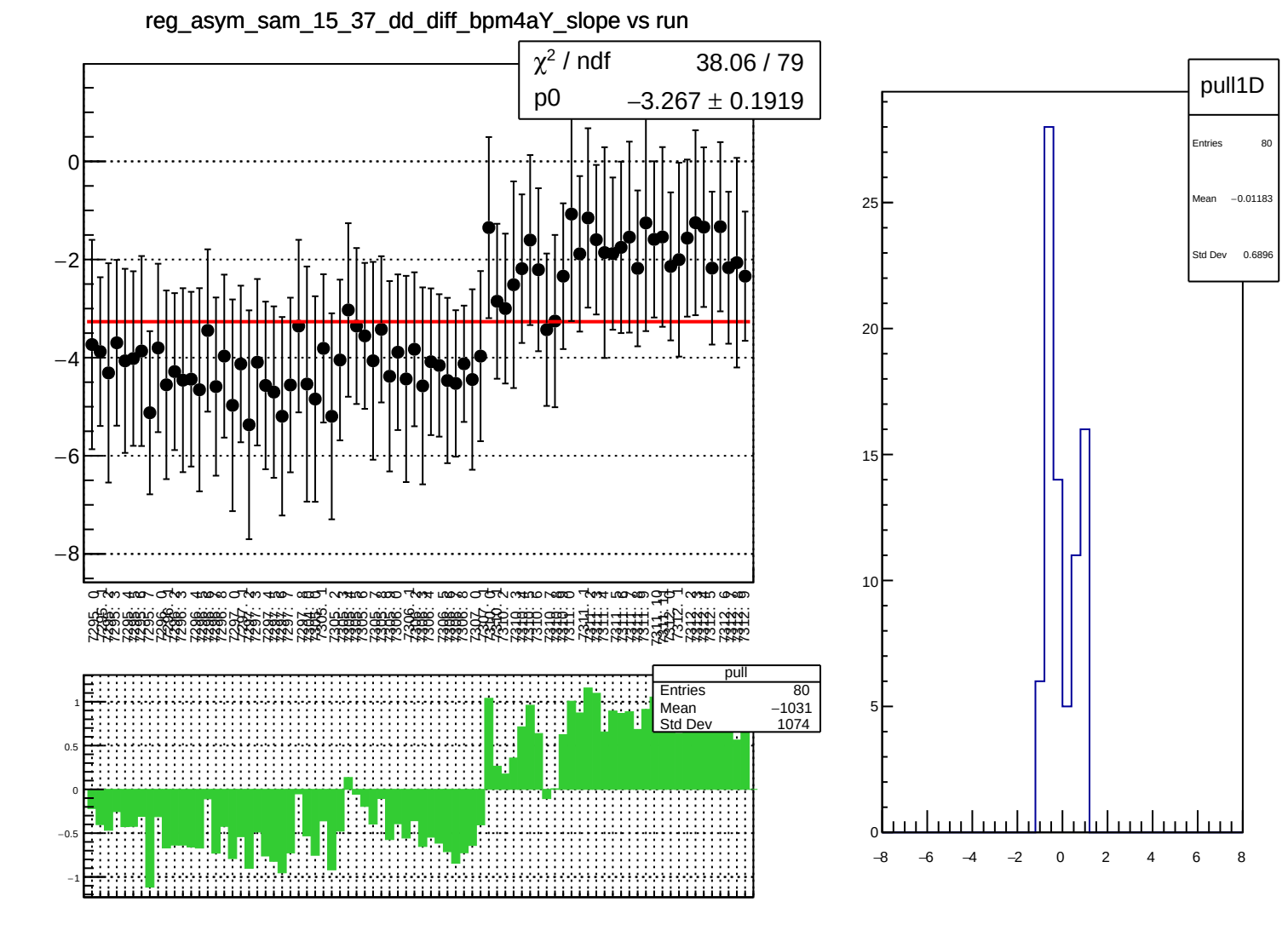

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.35 / 79
p0 −5.773 ± 0.2457
pull
Entries 80
Mean 153.5
Std Dev 107.4
pull1D
Entries 80
Mean 0.1109
Std Dev 0.7363

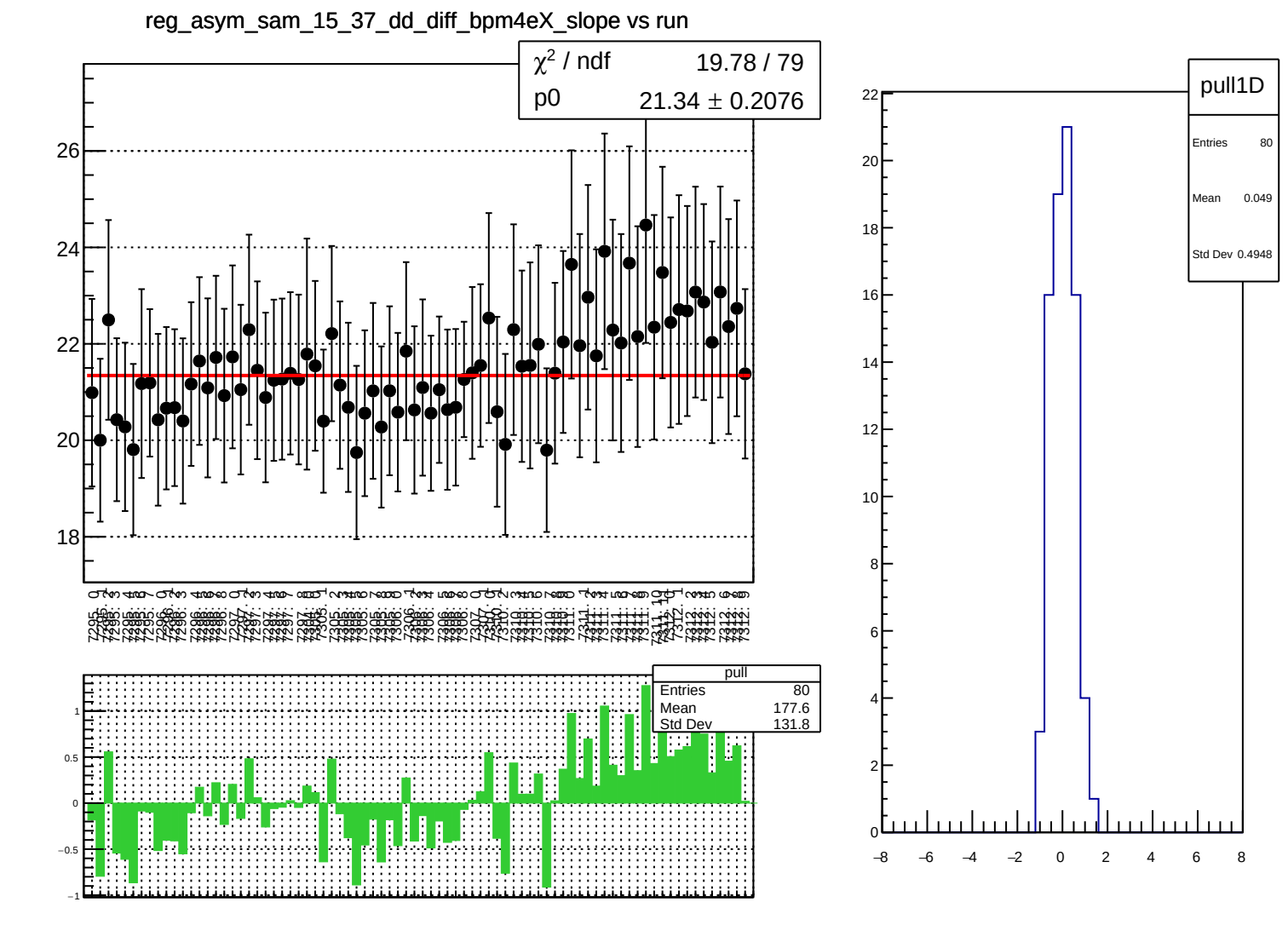

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.22 / 79
p0 −10.64 ± 0.2481
pull
Entries 80
Mean −74.15
Std Dev 48.45

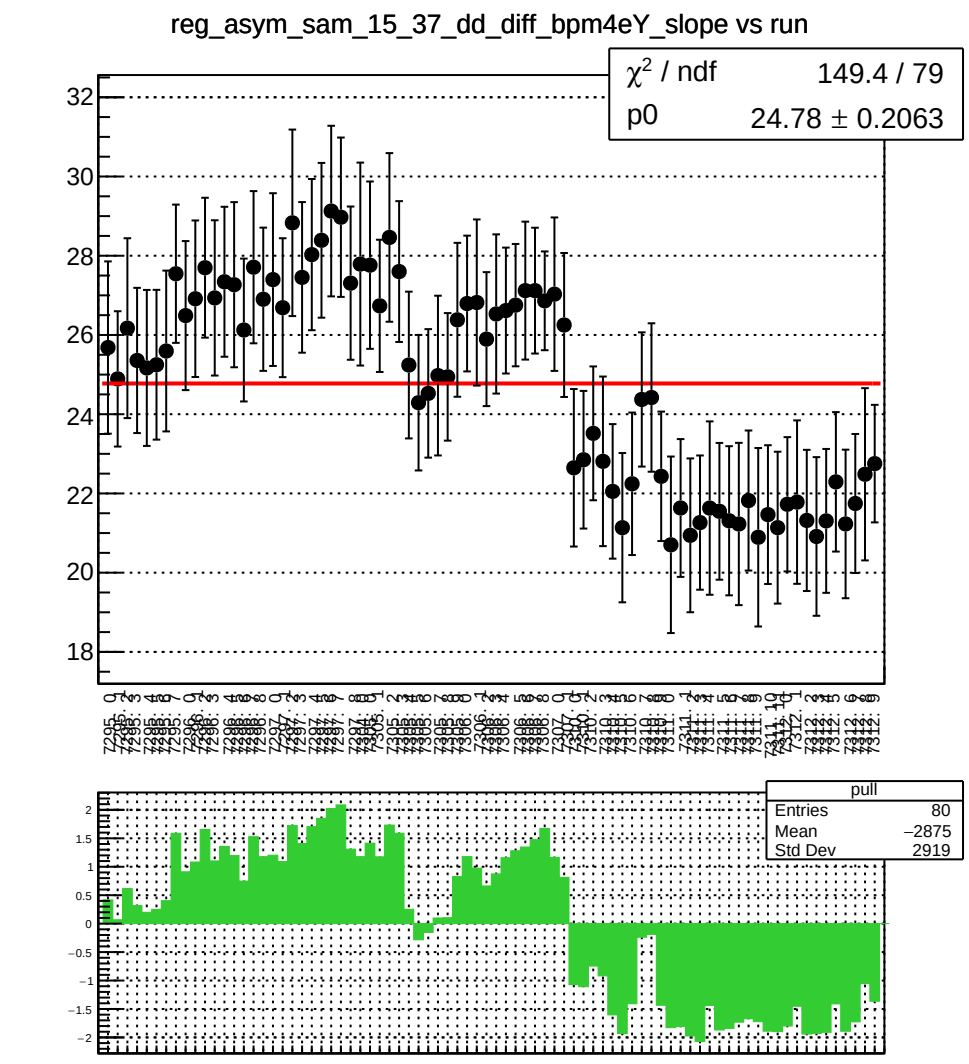

pull1D
Entries 80
Mean 0.007973
Std Dev 0.4361

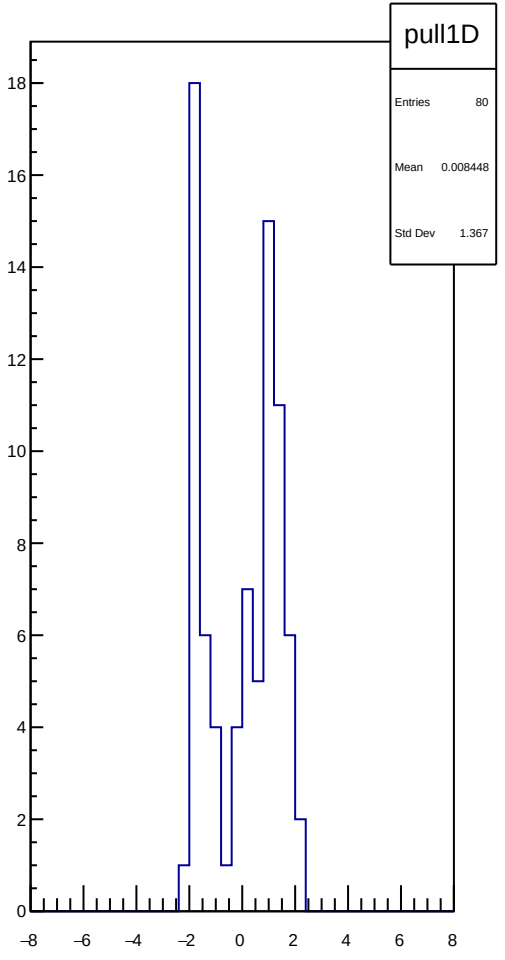

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 96.46 / 79
p0 0.1341± 0.01036
pull
Entries 80
Mean 81.93
Std Dev 27.66
pull1D
Entries 80
Mean 0.2332
Std Dev 1.073

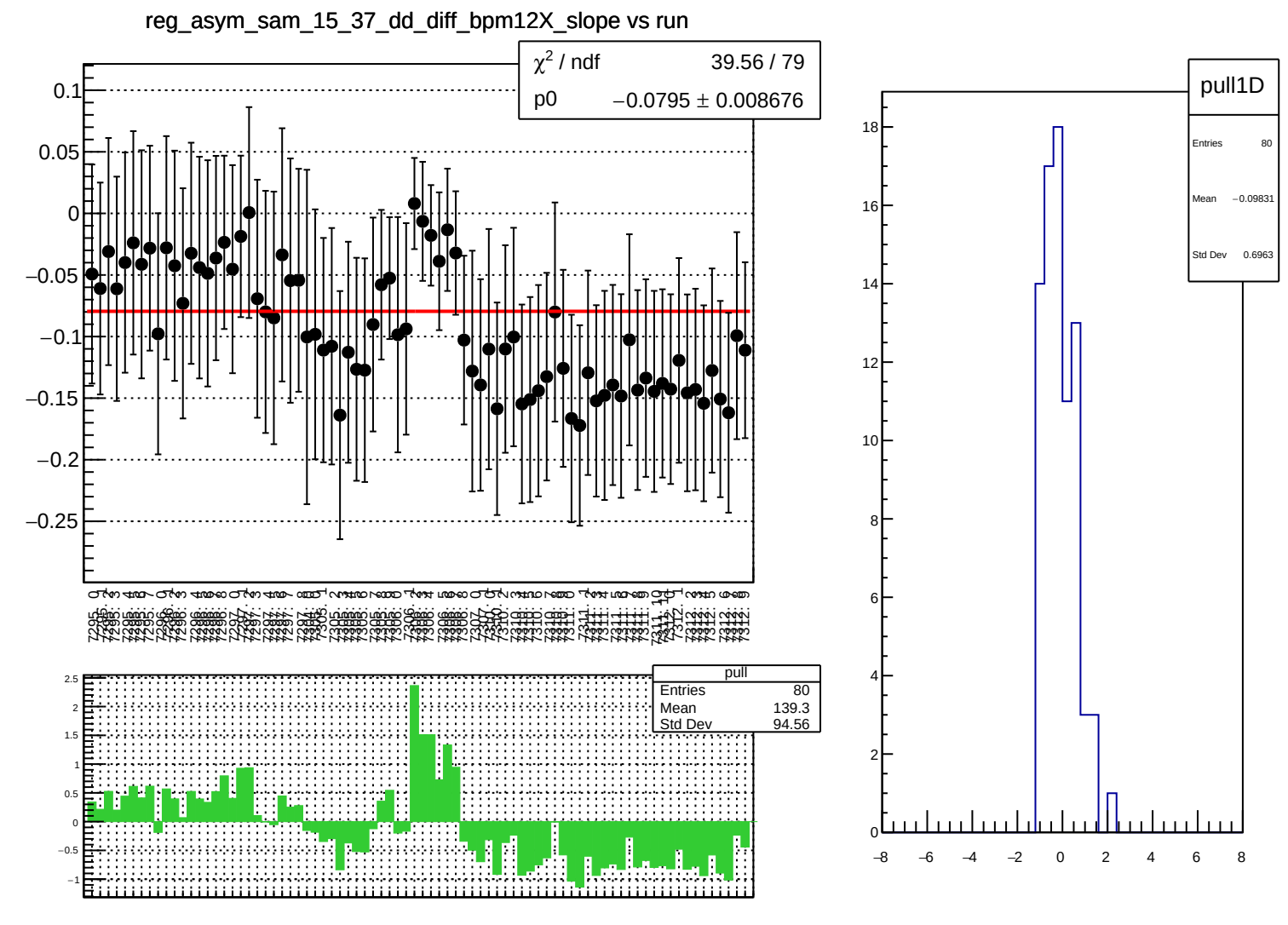

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 91.82 / 79
p0 3.373 ± 0.2095
pull
Entries 80
Mean 191.7
Std Dev 142.9
pull1D
Entries 80
Mean −0.114
Std Dev 1.065

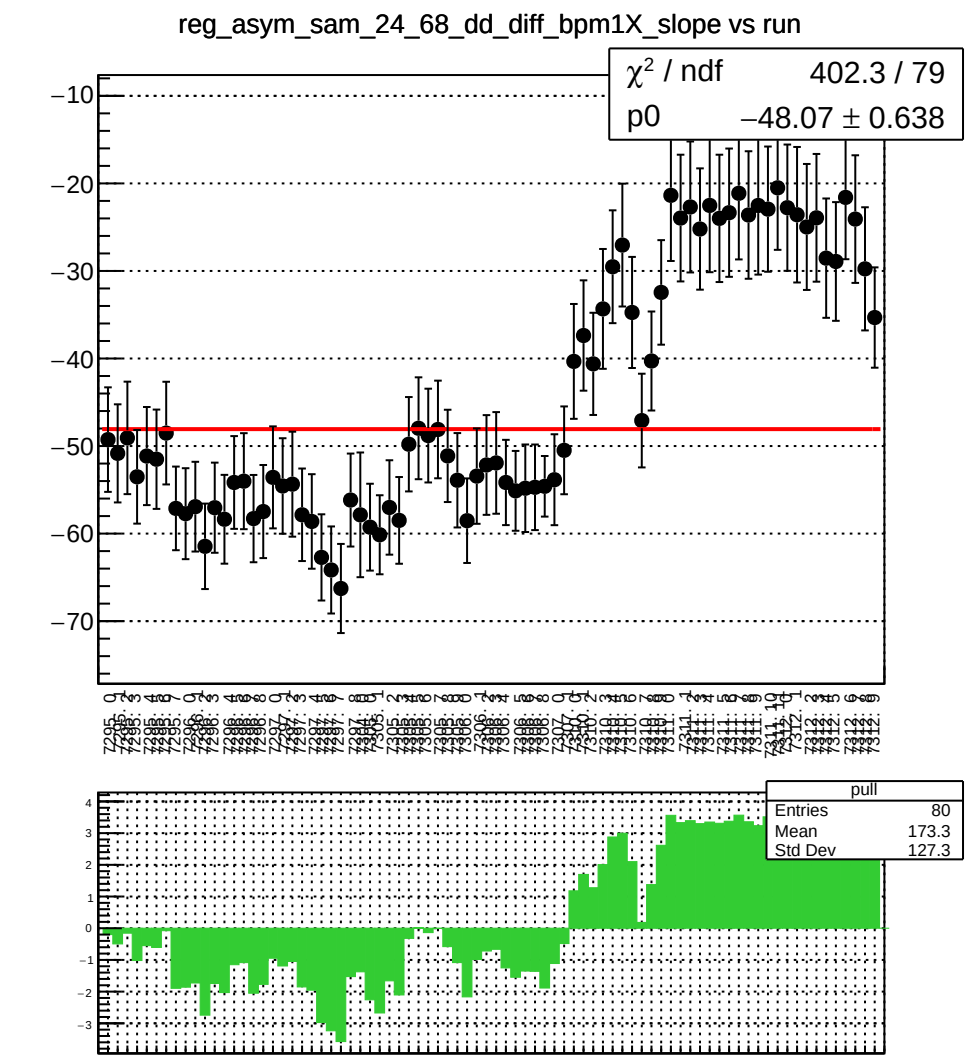

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.06 / 79
p0 −3.267 ± 0.1919
pull
Entries 80
Mean −1031
Std Dev 1074
pull1D
Entries 80
Mean −0.01183
Std Dev 0.6896

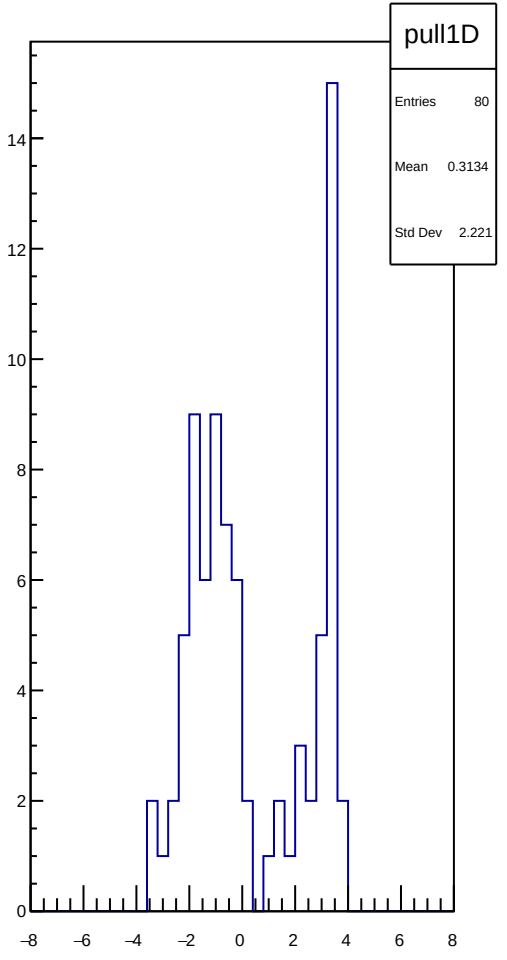

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.78 / 79
p0 21.34 ± 0.2076
pull
Entries 80
Mean 177.6
Std Dev 131.8
pull1D
Entries 80
Mean 0.049
Std Dev 0.4948

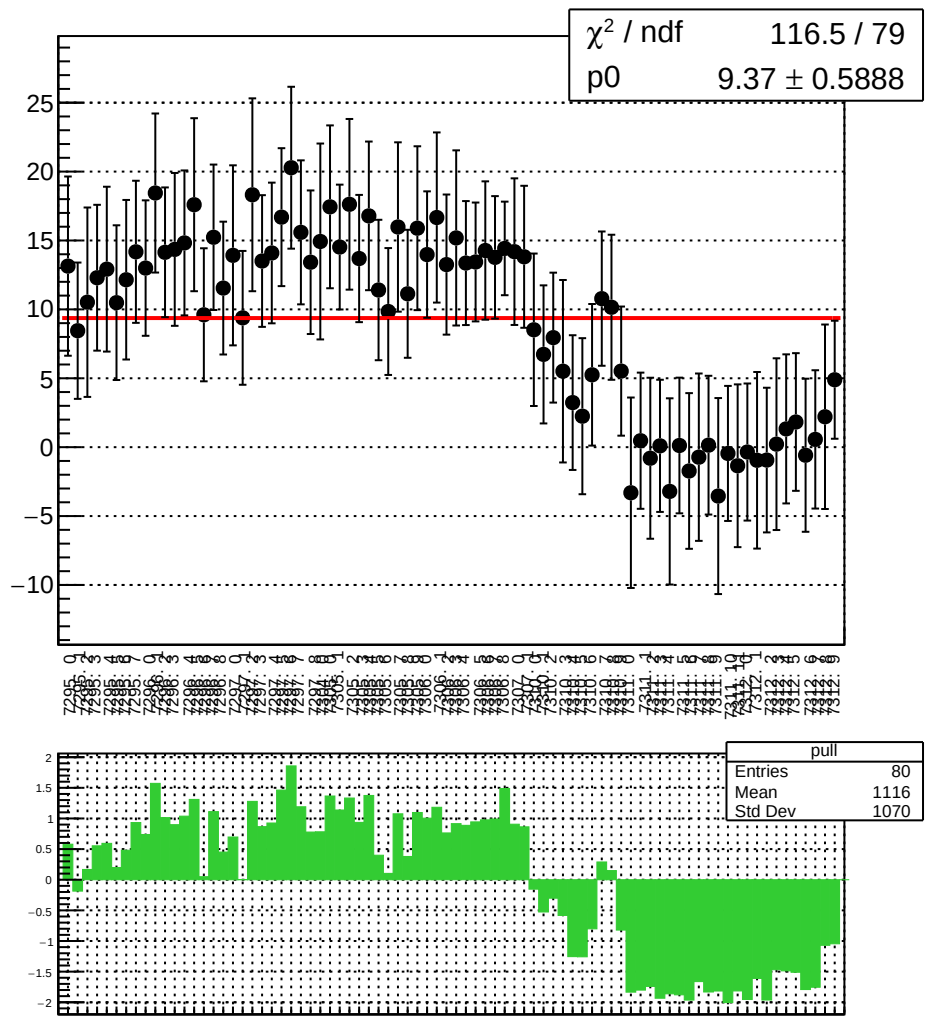

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 149.4 / 79
p0 24.78 ± 0.2063
pull
Entries 80
Mean −2875
Std Dev 2919

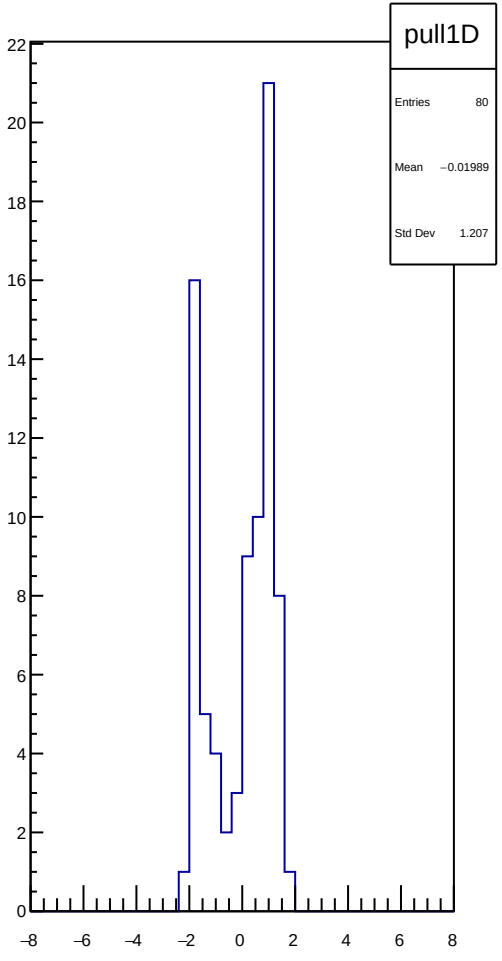

pull1D
Entries 80
Mean 0.008448
Std Dev 1.367

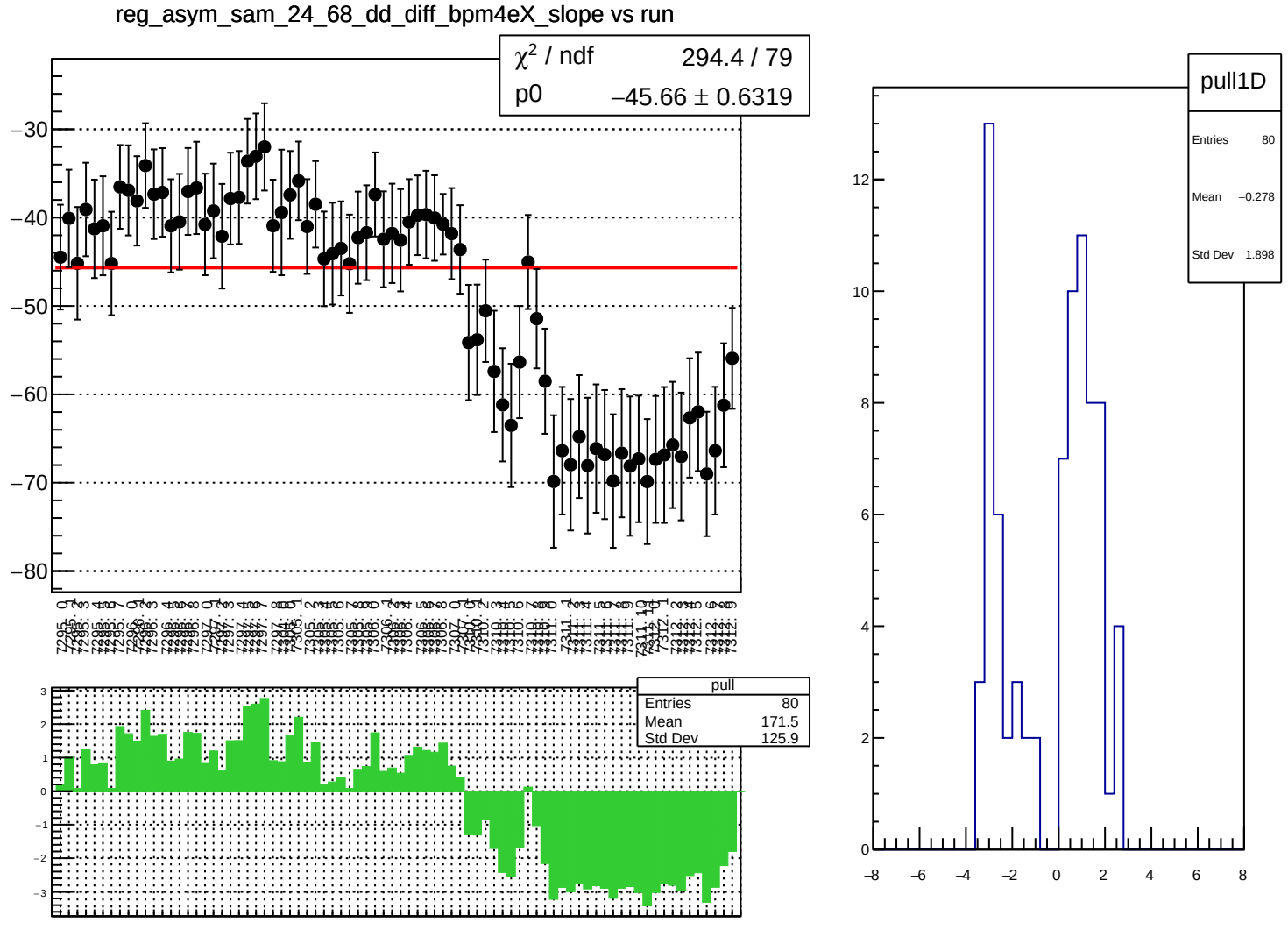

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 39.56 / 79
p0 −0.0795 ± 0.008676
pull
Entries 80
Mean 139.3
Std Dev 94.56
pull1D
Entries 80
Mean −0.09831
Std Dev 0.6963

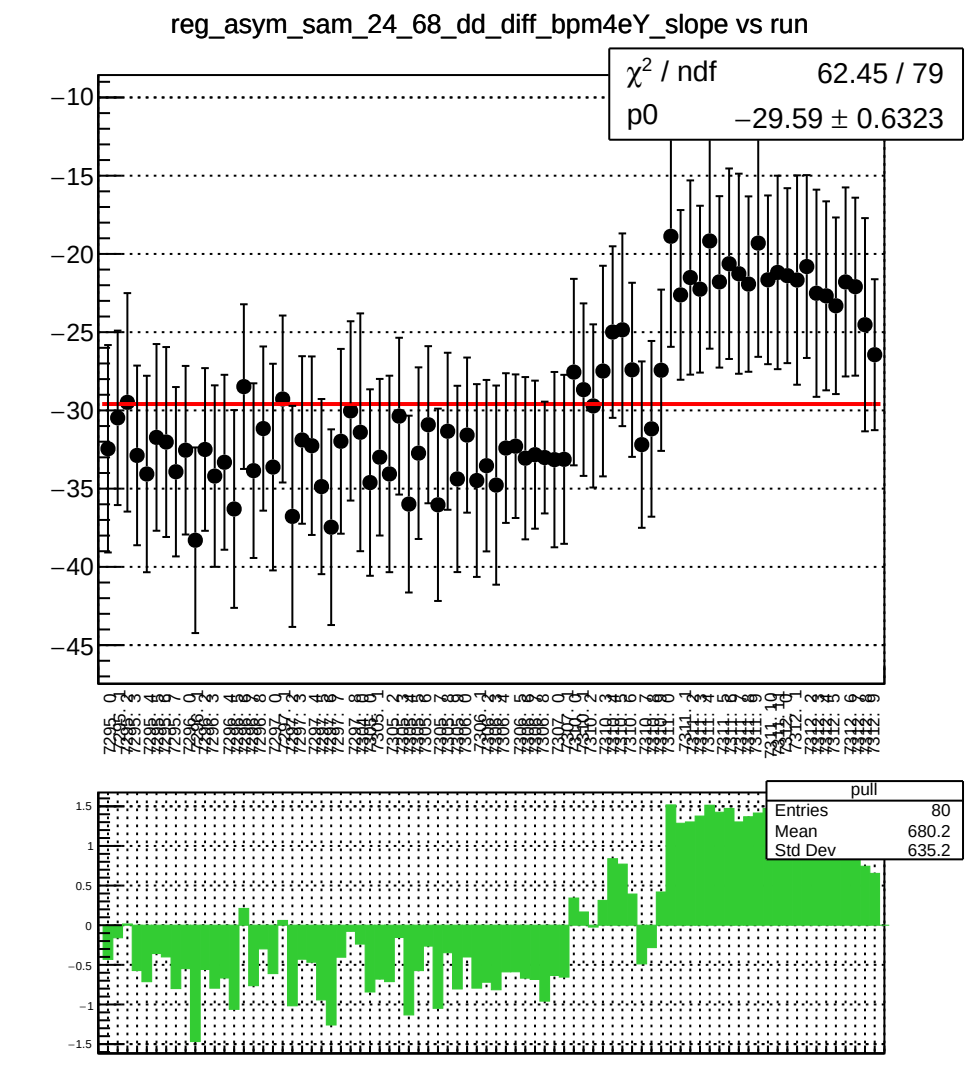

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 402.3 / 79
p0 −48.07 ± 0.638
pull
Entries 80
Mean 173.3
Std Dev 127.3

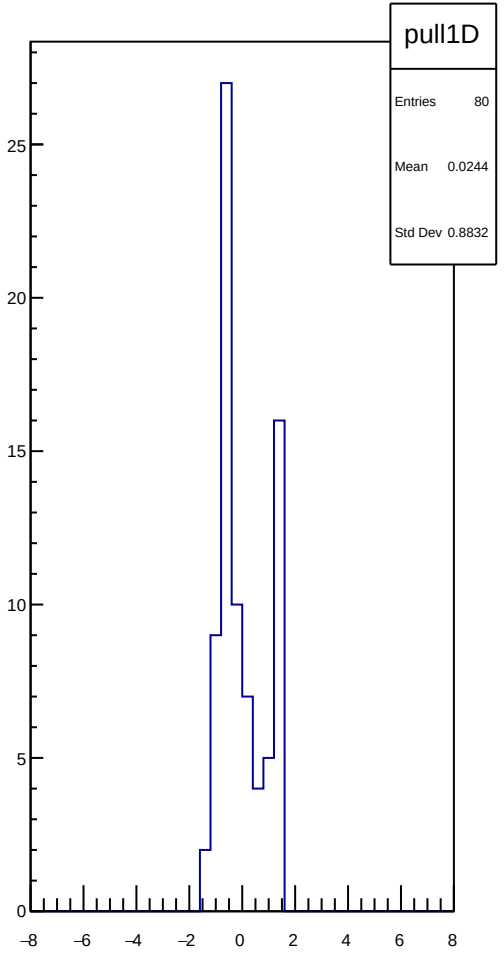

pull1D
Entries 80
Mean 0.3134
Std Dev 2.221

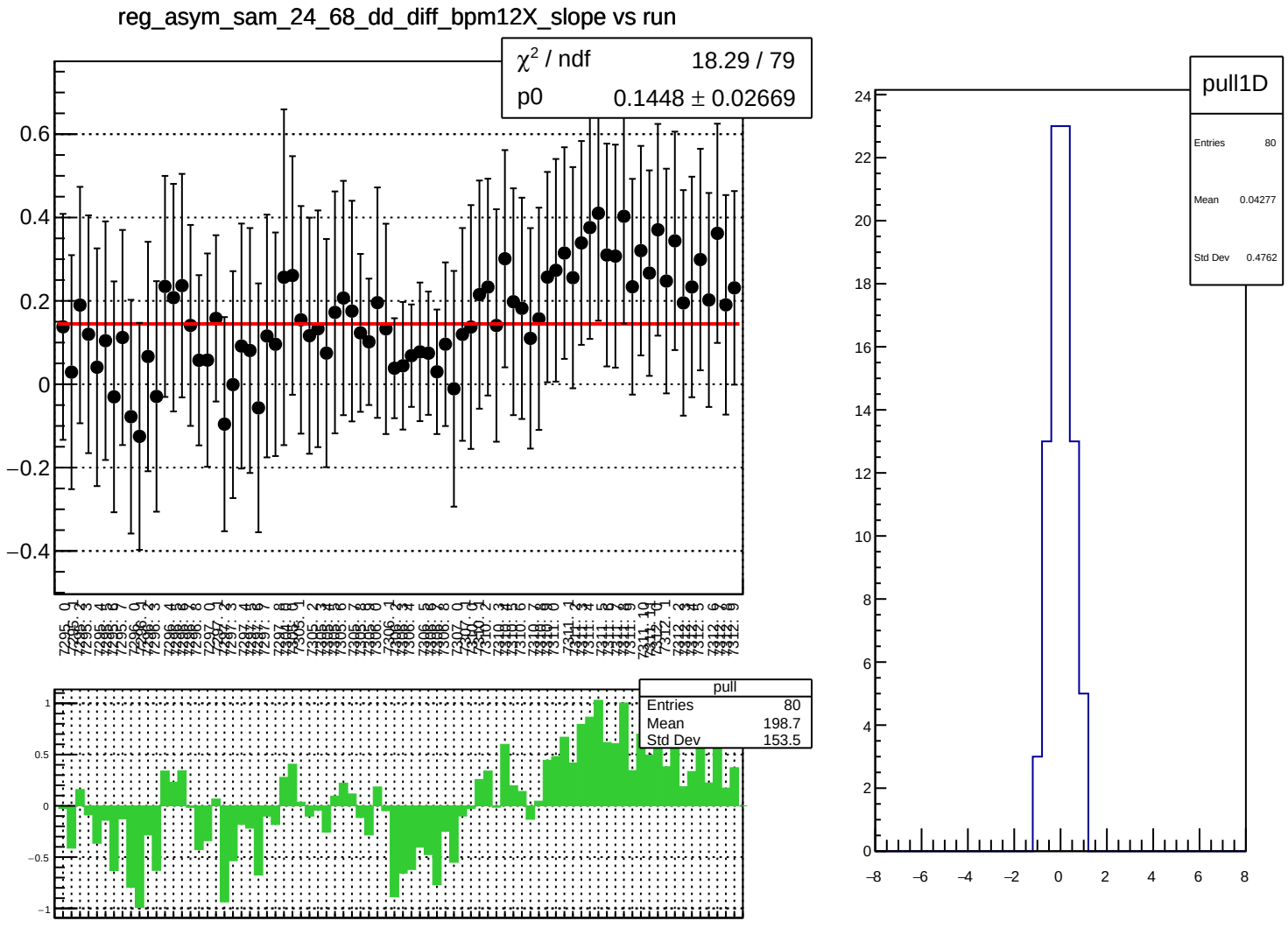

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 116.5 / 79
p0 9.37 ± 0.5888
pull
Entries 80
Mean 1116
Std Dev 1070

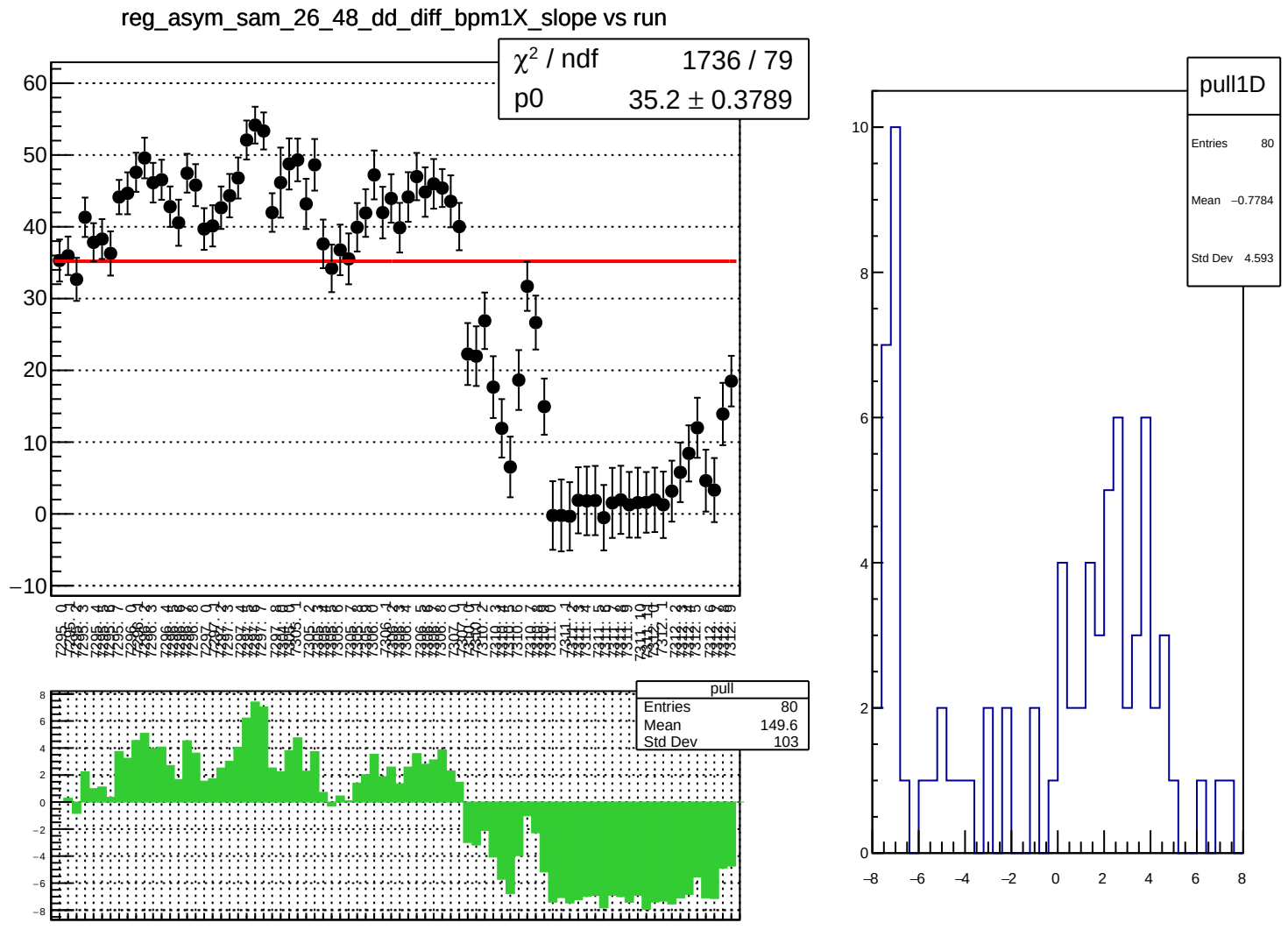

pull1D
Entries 80
Mean −0.01989
Std Dev 1.207

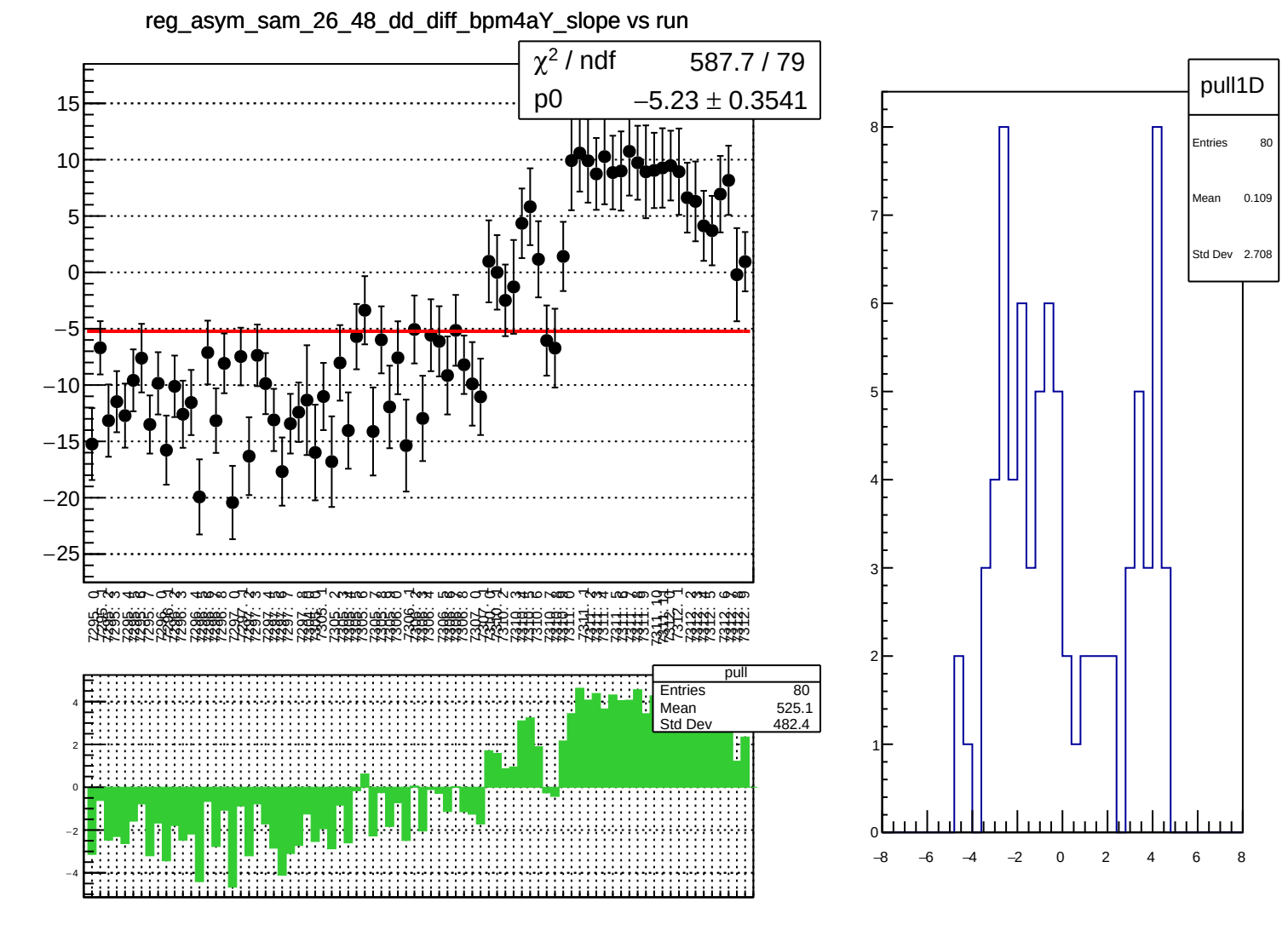

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 294.4 / 79
p0 −45.66 ± 0.6319
pull
Entries 80
Mean 171.5
Std Dev 125.9
pull1D
Entries 80
Mean −0.278
Std Dev 1.898

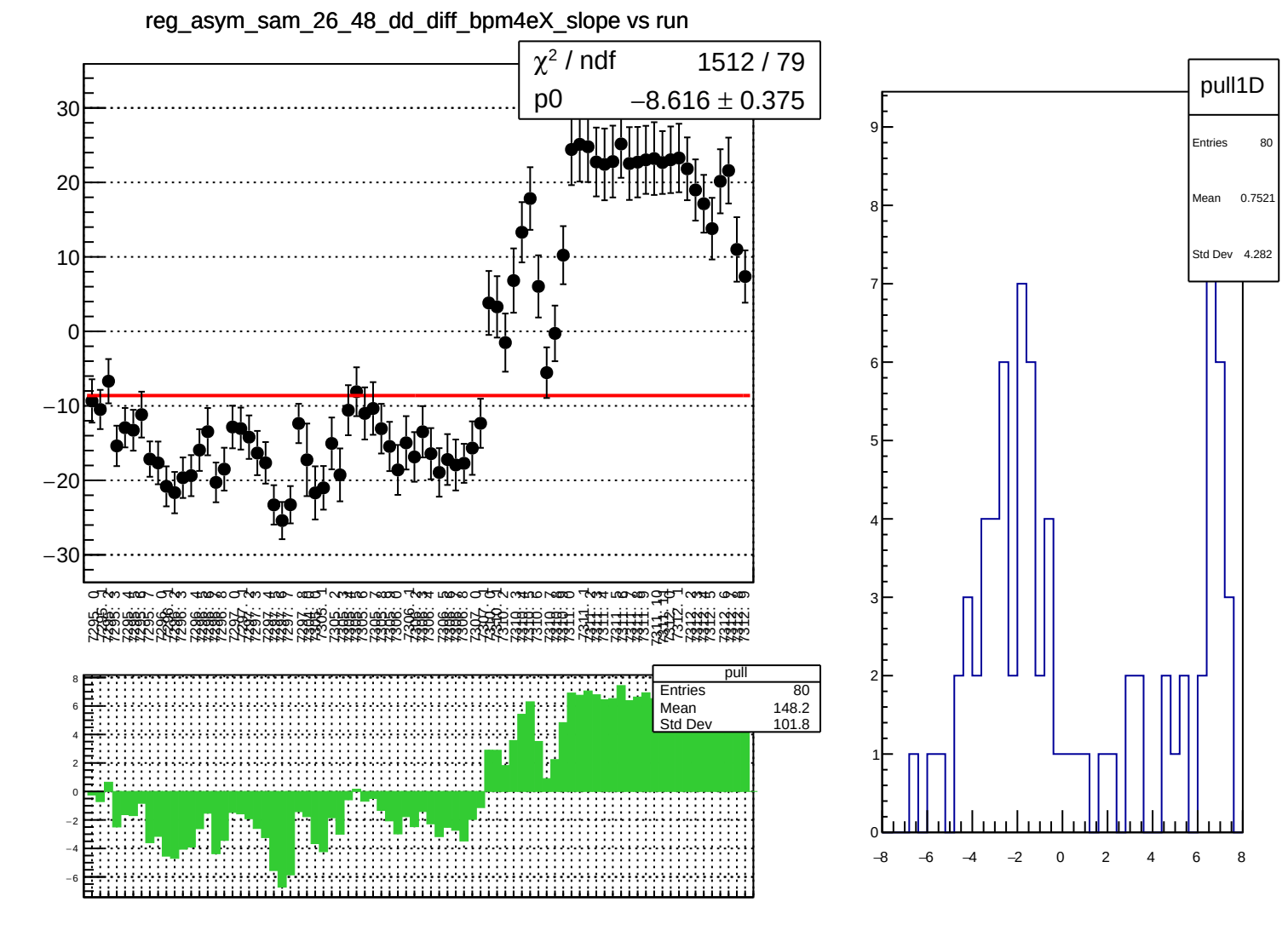

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.45 / 79
p0 −29.59 ± 0.6323
pull
Entries 80
Mean 680.2
Std Dev 635.2

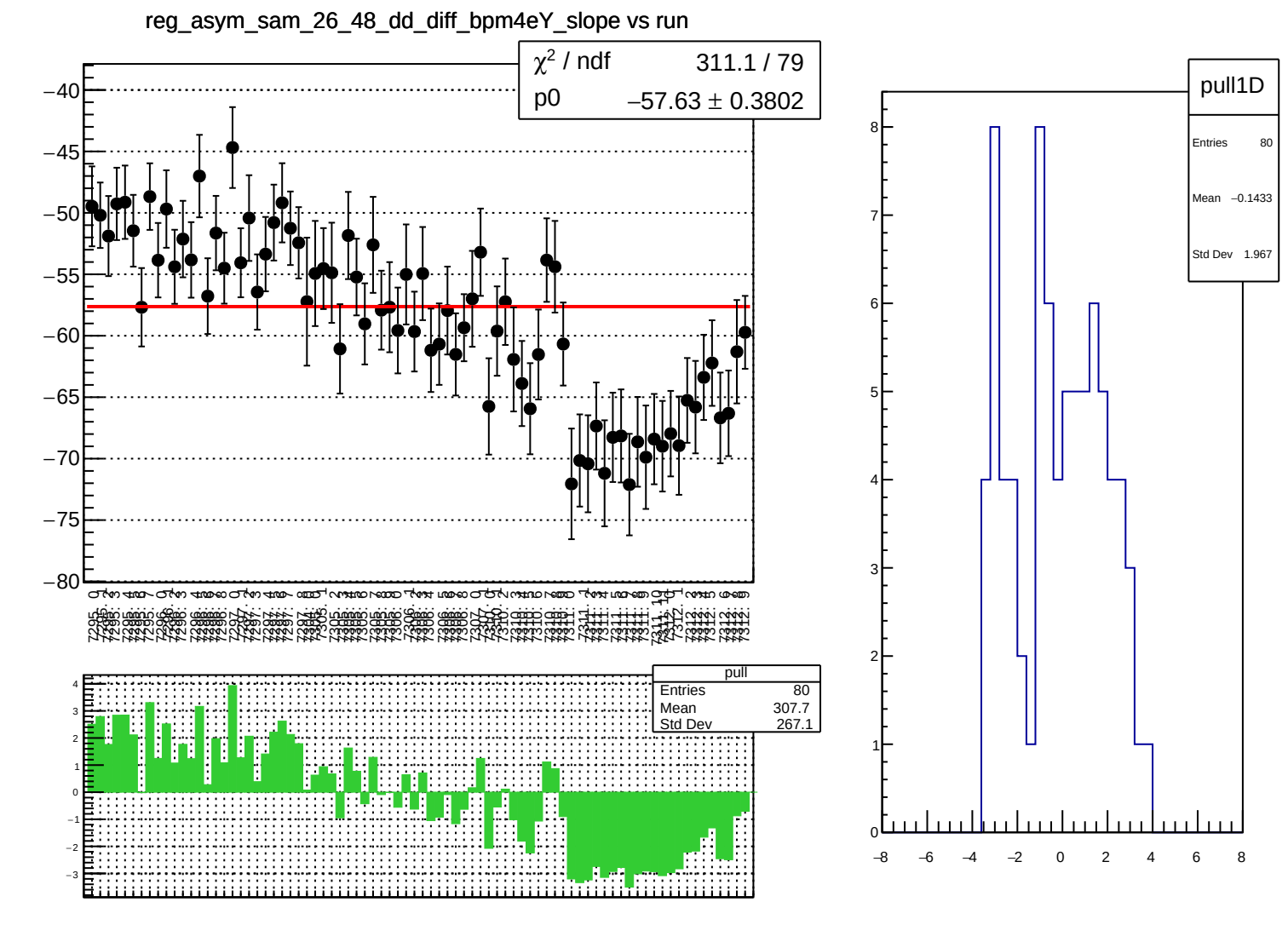

pull1D
Entries 80
Mean 0.0244
Std Dev 0.8832

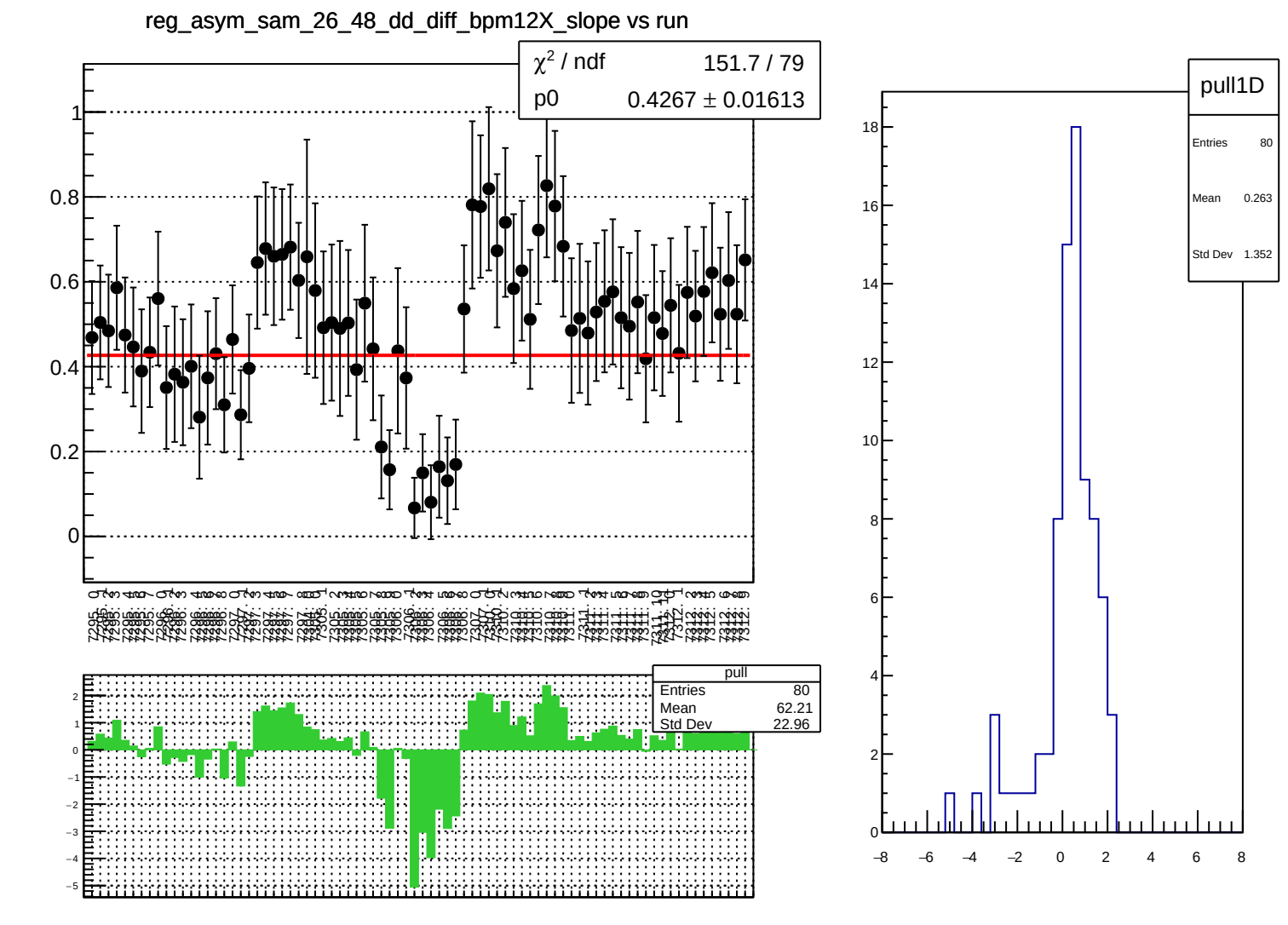

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 18.29 / 79
p0 0.1448 ± 0.02669
pull
Entries 80
Mean 198.7
Std Dev 153.5
pull1D
Entries 80
Mean 0.04277
Std Dev 0.4762

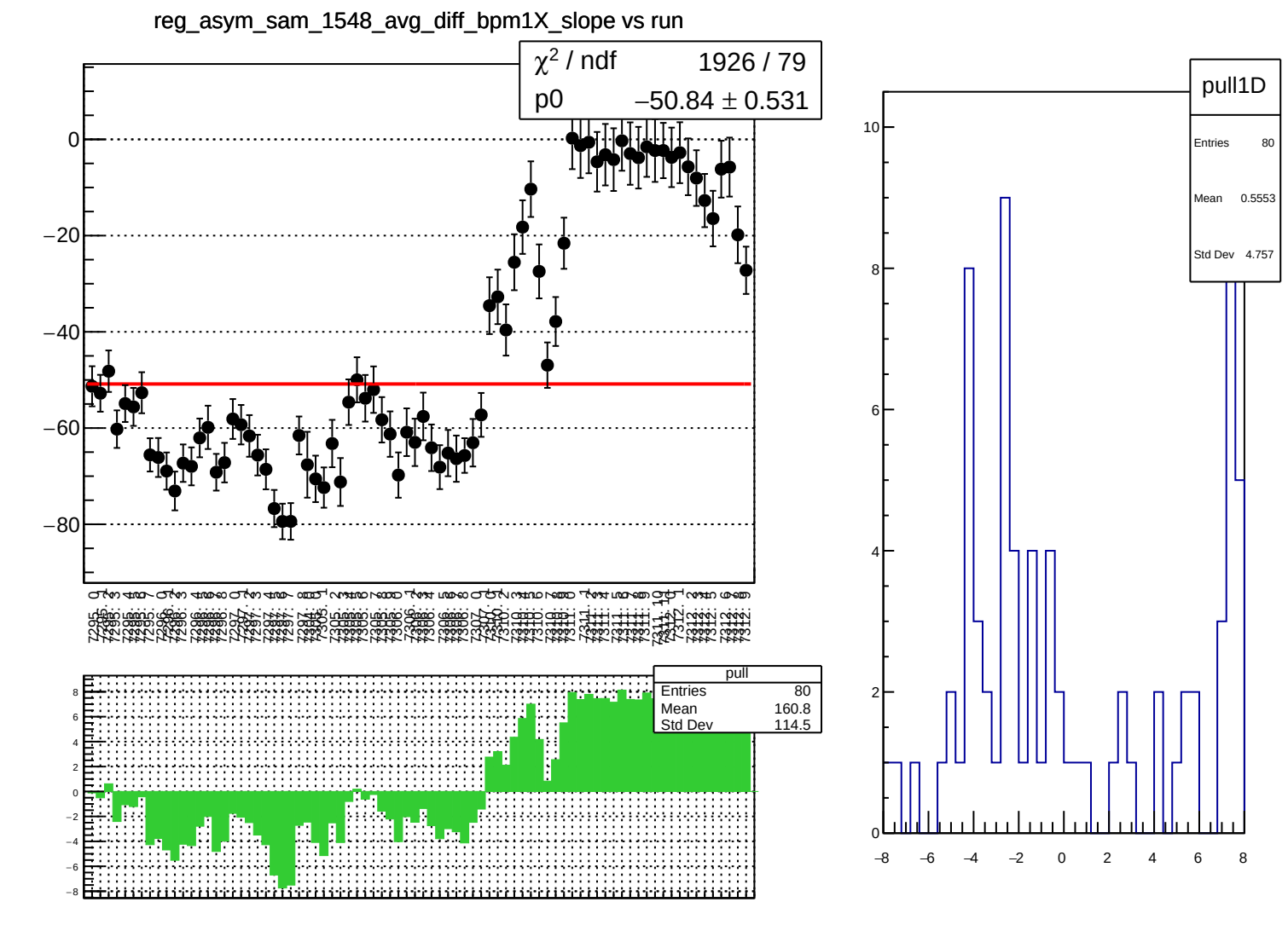

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1736 / 79
p0 35.2 ± 0.3789
pull
Entries 80
Mean 149.6
Std Dev 103
pull1D
Entries 80
Mean −0.7784
Std Dev 4.593

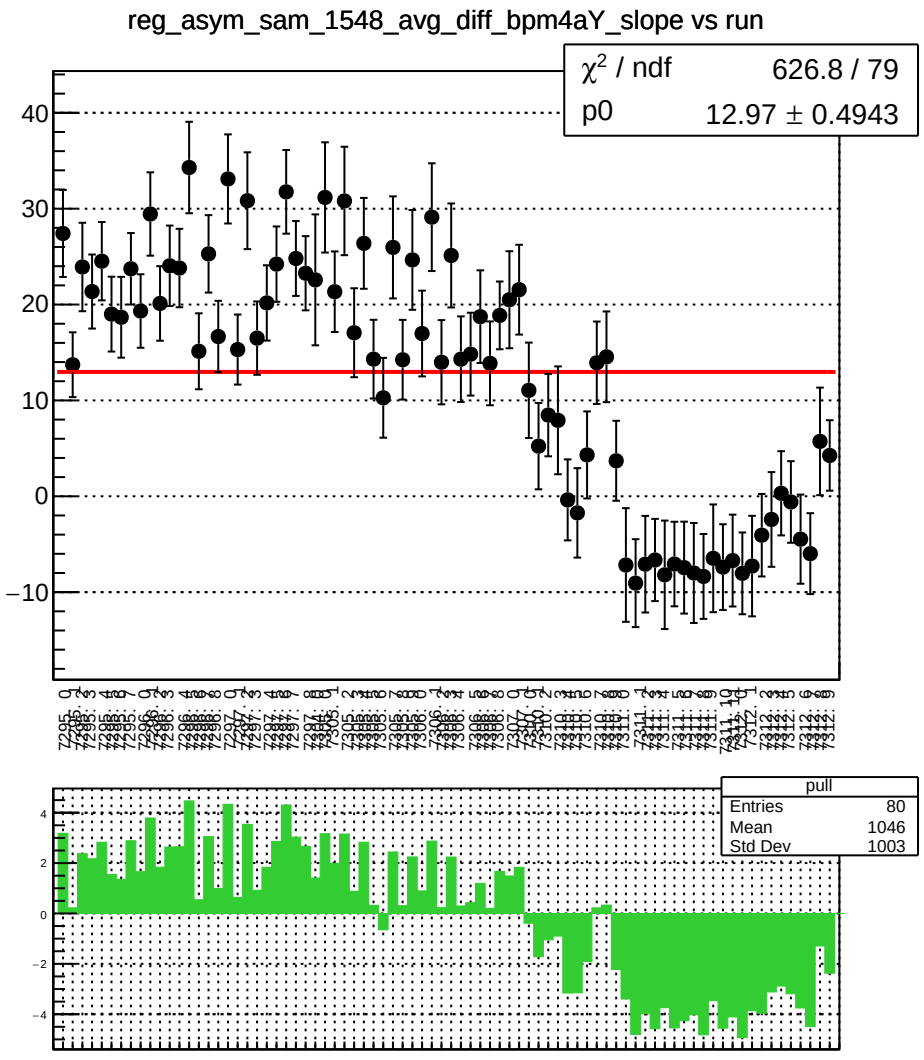

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 587.7 / 79
p0 −5.23 ± 0.3541
pull
Entries 80
Mean 525.1
Std Dev 482.4
pull1D
Entries 80
Mean 0.109
Std Dev 2.708

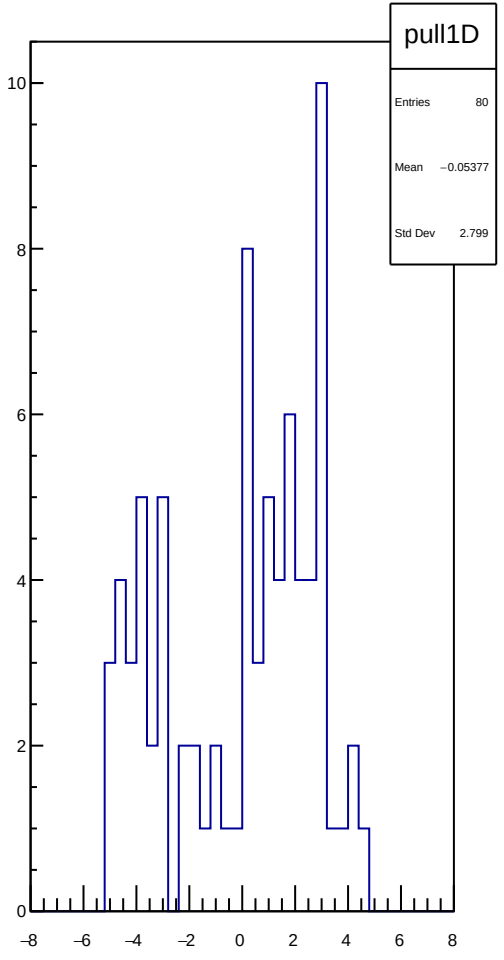

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1512 / 79
p0 −8.616 ± 0.375
pull
Entries 80
Mean 148.2
Std Dev 101.8
pull1D
Entries 80
Mean 0.7521
Std Dev 4.282

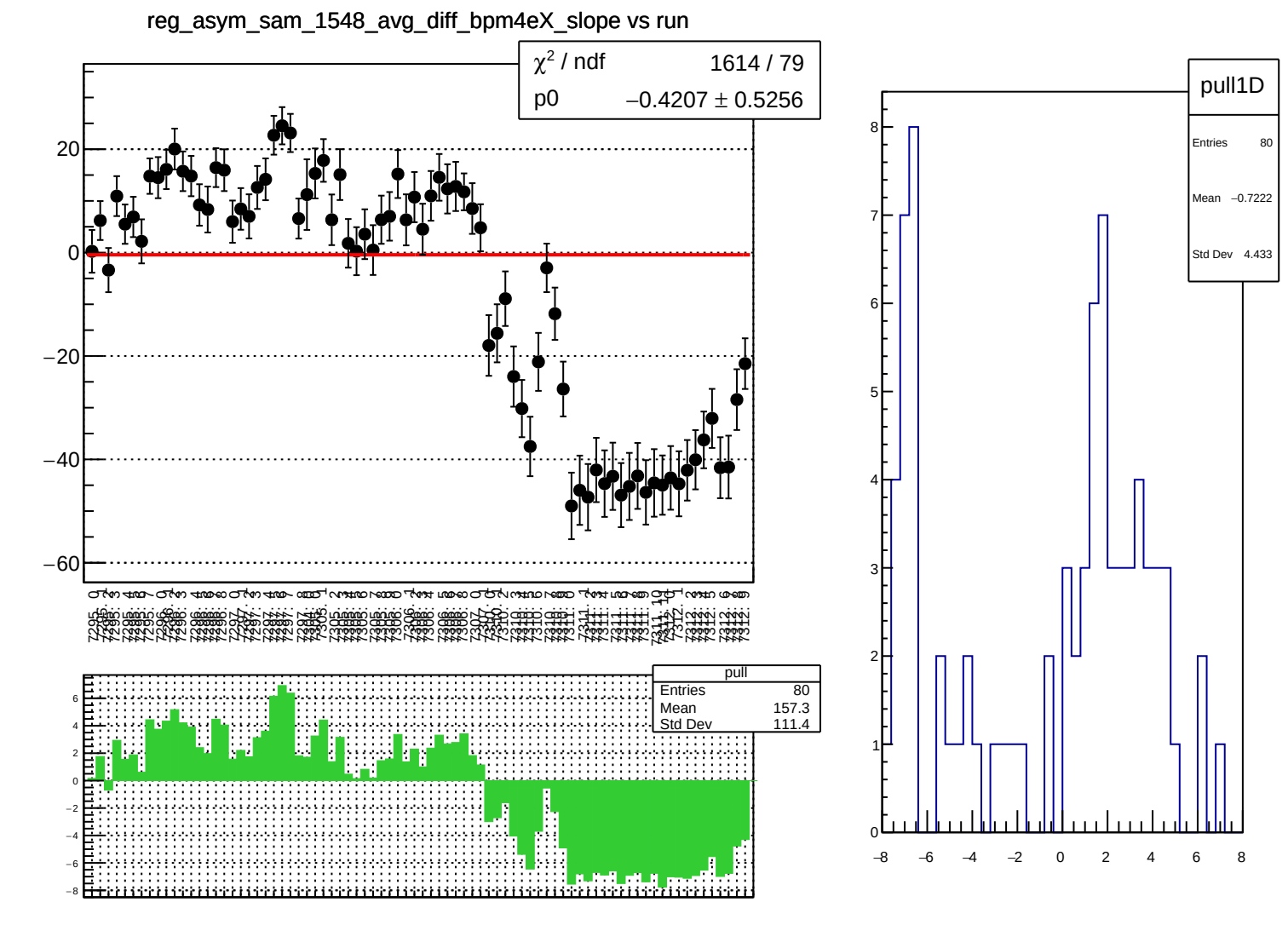

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 311.1 / 79
p0 −57.63 ± 0.3802
pull
Entries 80
Mean 307.7
Std Dev 267.1
pull1D
Entries 80
Mean −0.1433
Std Dev 1.967

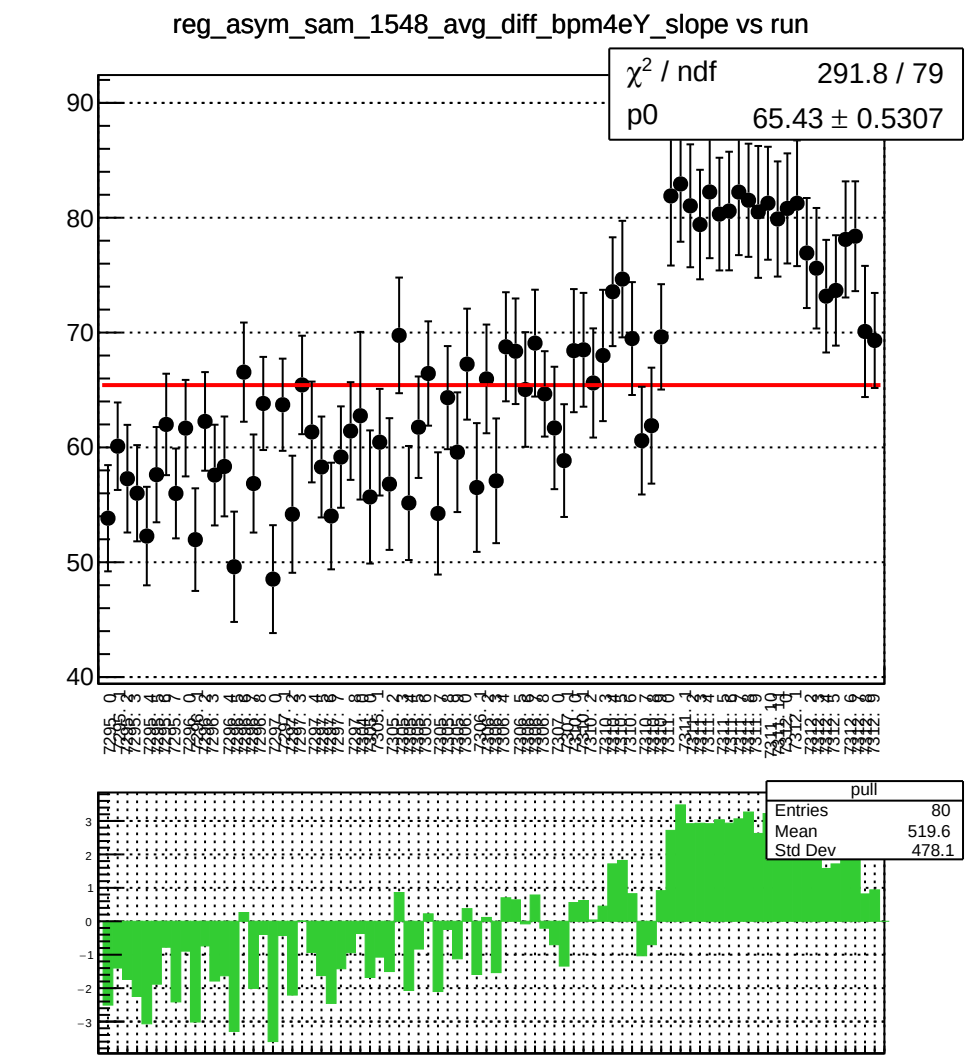

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 151.7 / 79
p0 0.4267 ± 0.01613
pull
Entries 80
Mean 62.21
Std Dev 22.96
pull1D
Entries 80
Mean 0.263
Std Dev 1.352

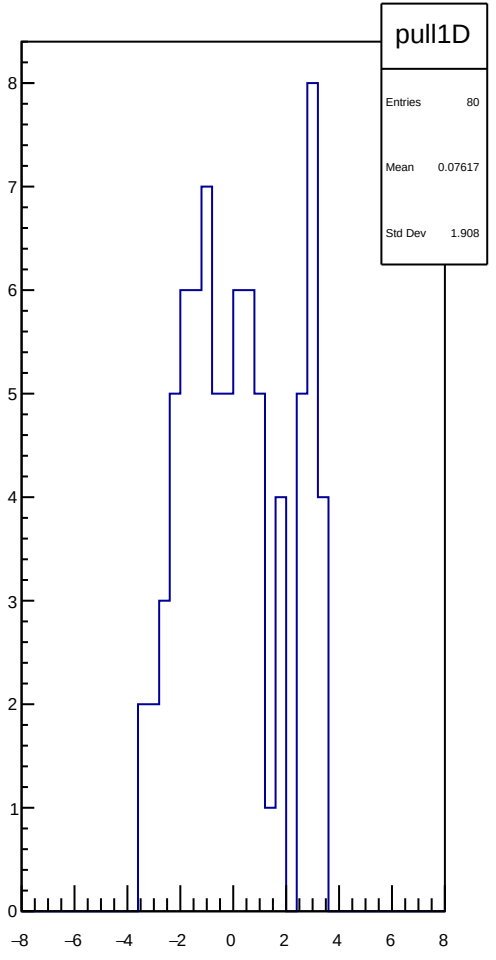

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1926 / 79
p0 −50.84 ± 0.531
pull
Entries 80
Mean 160.8
Std Dev 114.5
pull1D
Entries 80
Mean 0.5553
Std Dev 4.757

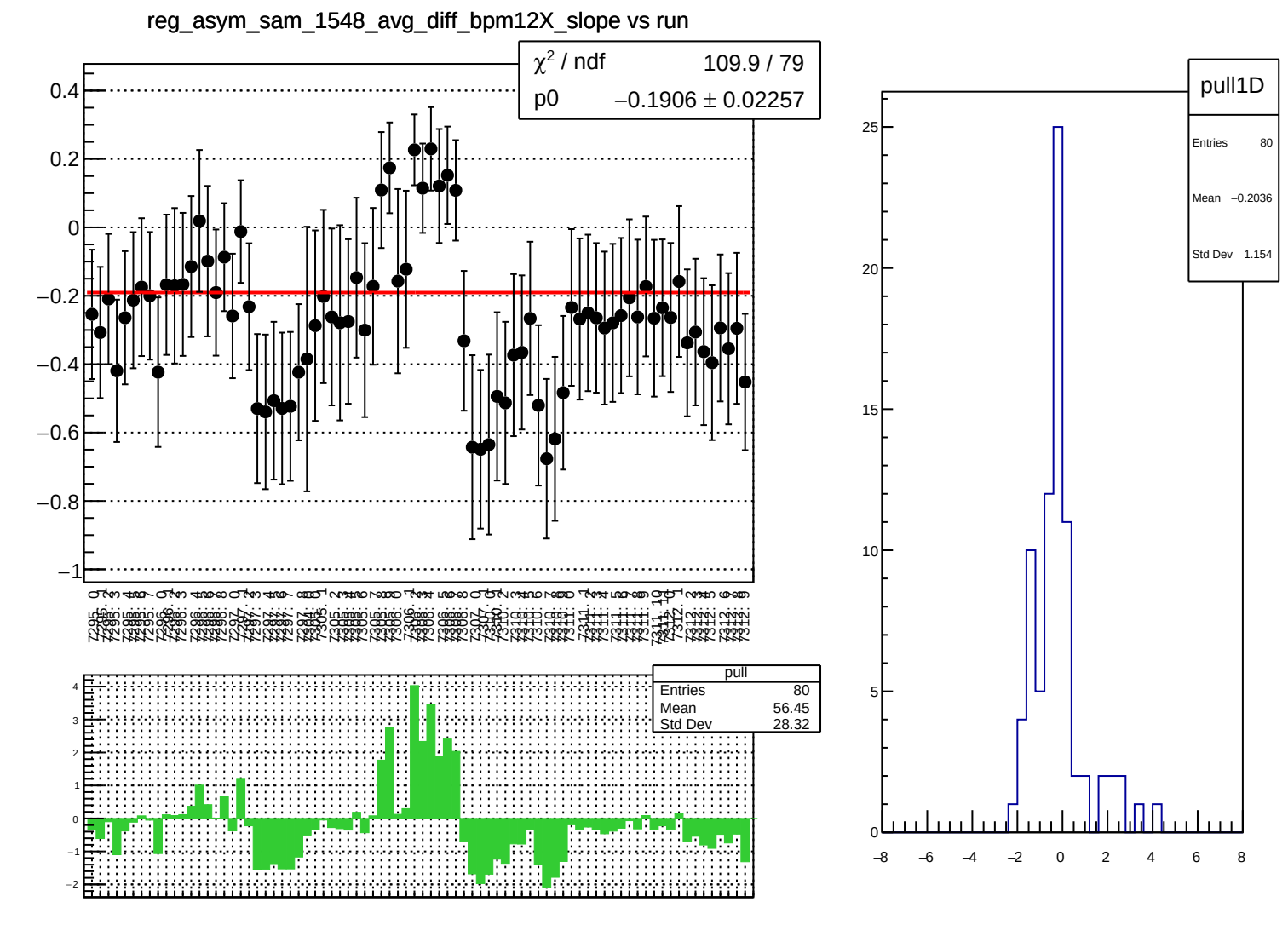

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 626.8 / 79
p0 12.97 ± 0.4943
pull
Entries 80
Mean 1046
Std Dev 1003

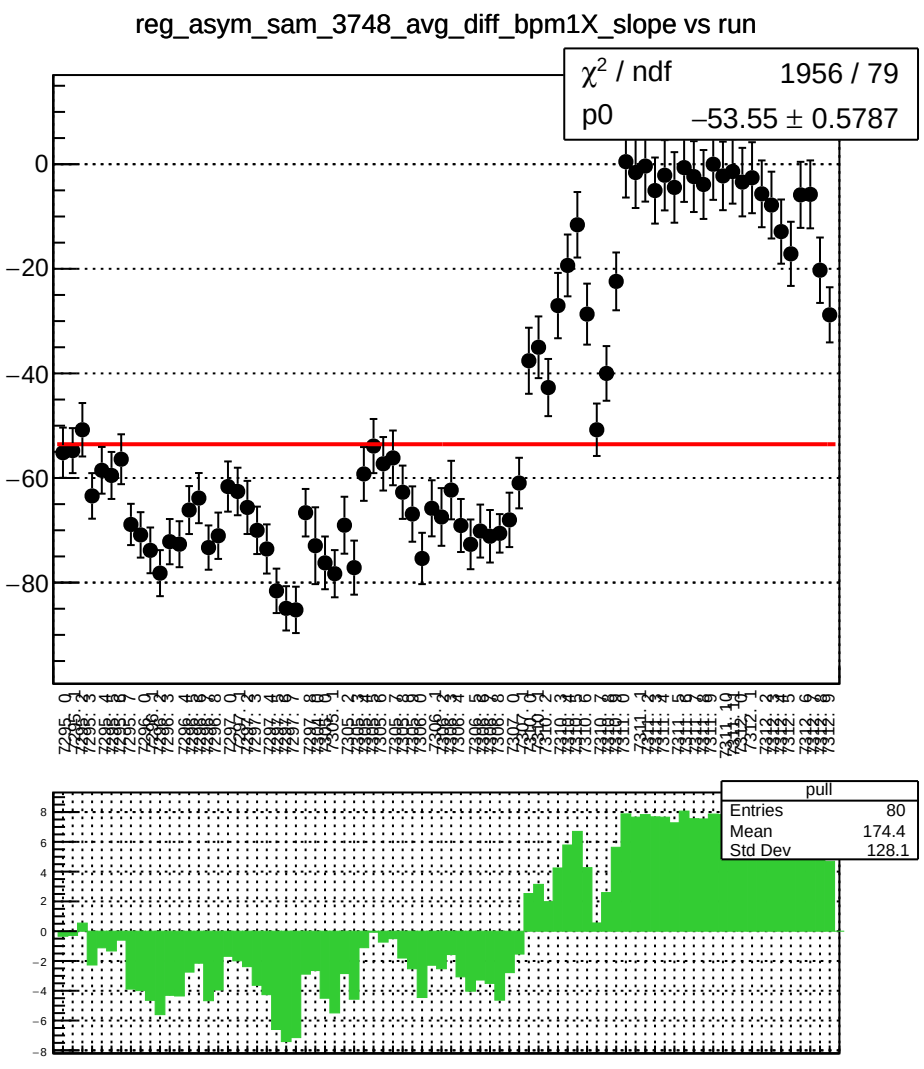

pull1D
Entries 80
Mean −0.05377
Std Dev 2.799

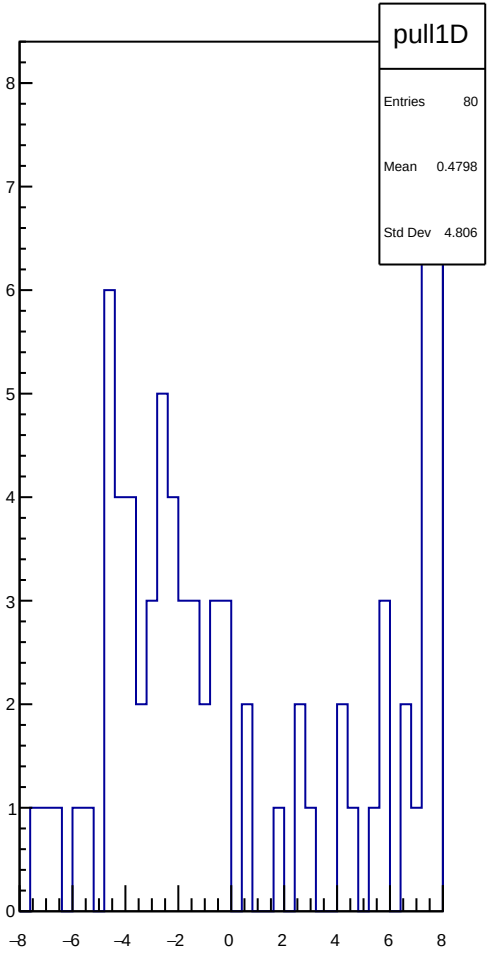

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 1614 / 79
p0 −0.4207 ± 0.5256
pull
Entries 80
Mean 157.3
Std Dev 111.4
pull1D
Entries 80
Mean −0.7222
Std Dev 4.433

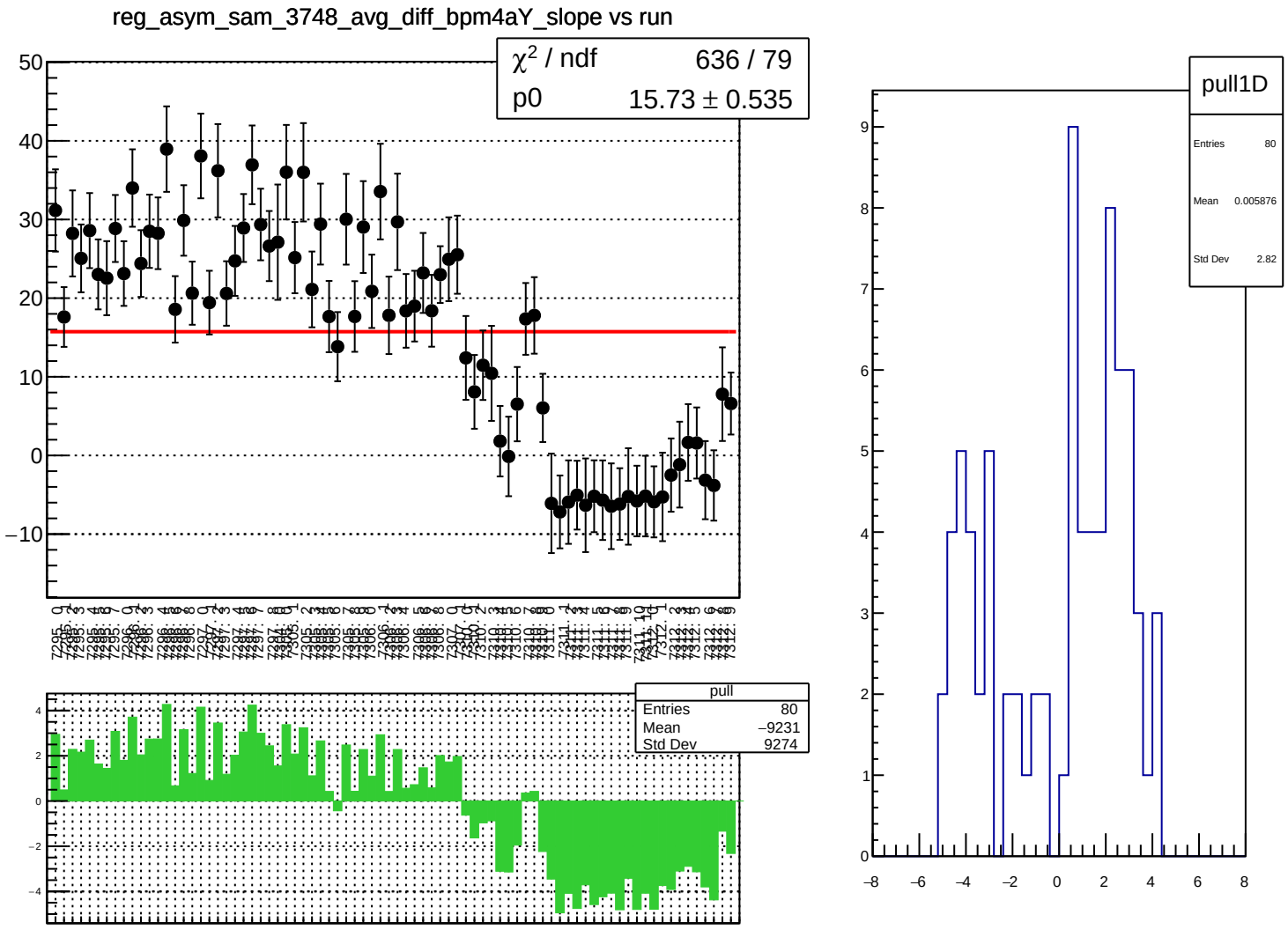

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 291.8 / 79
p0 65.43 ± 0.5307
pull
Entries 80
Mean 519.6
Std Dev 478.1

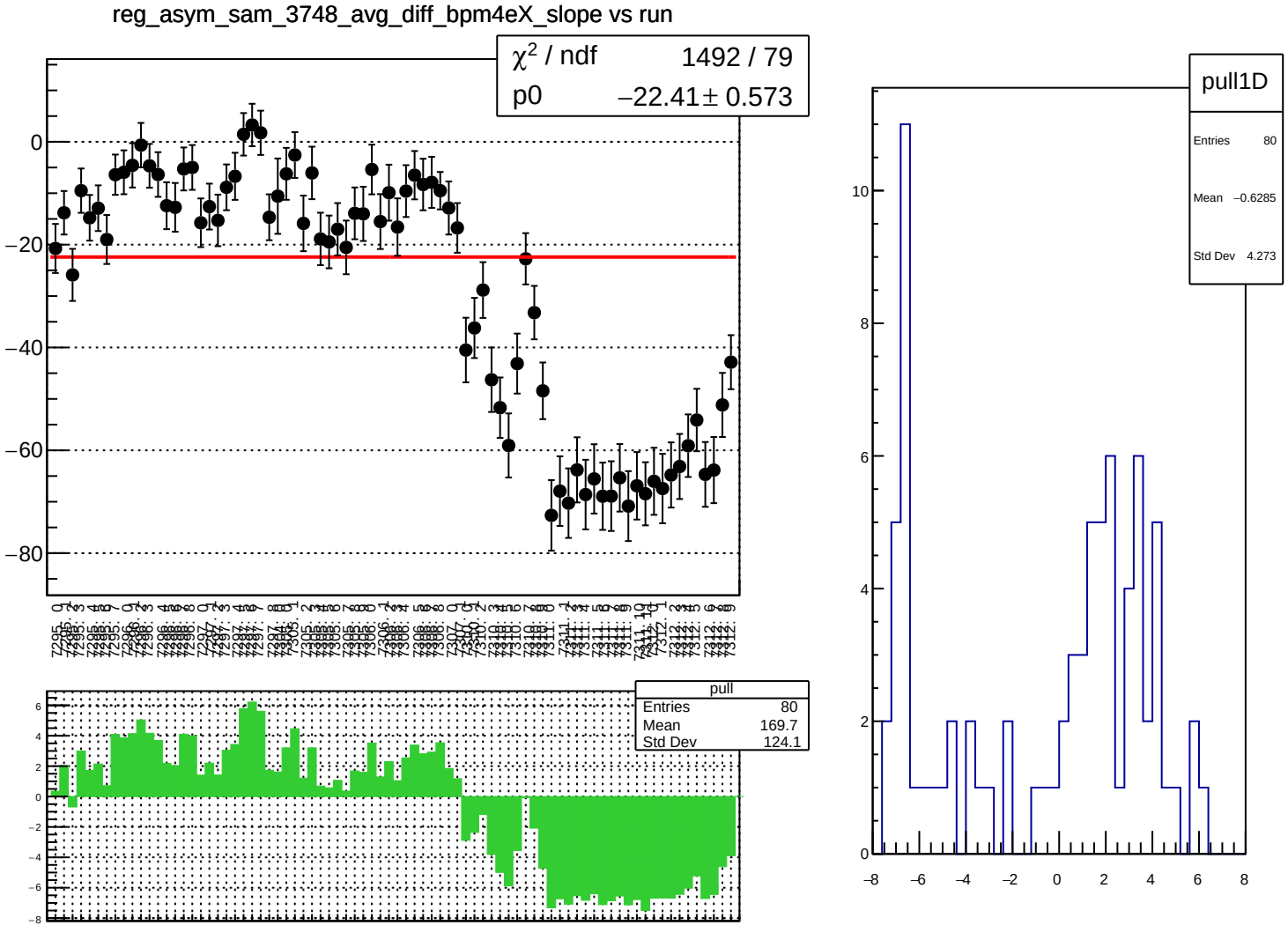

pull1D
Entries 80
Mean 0.07617
Std Dev 1.908

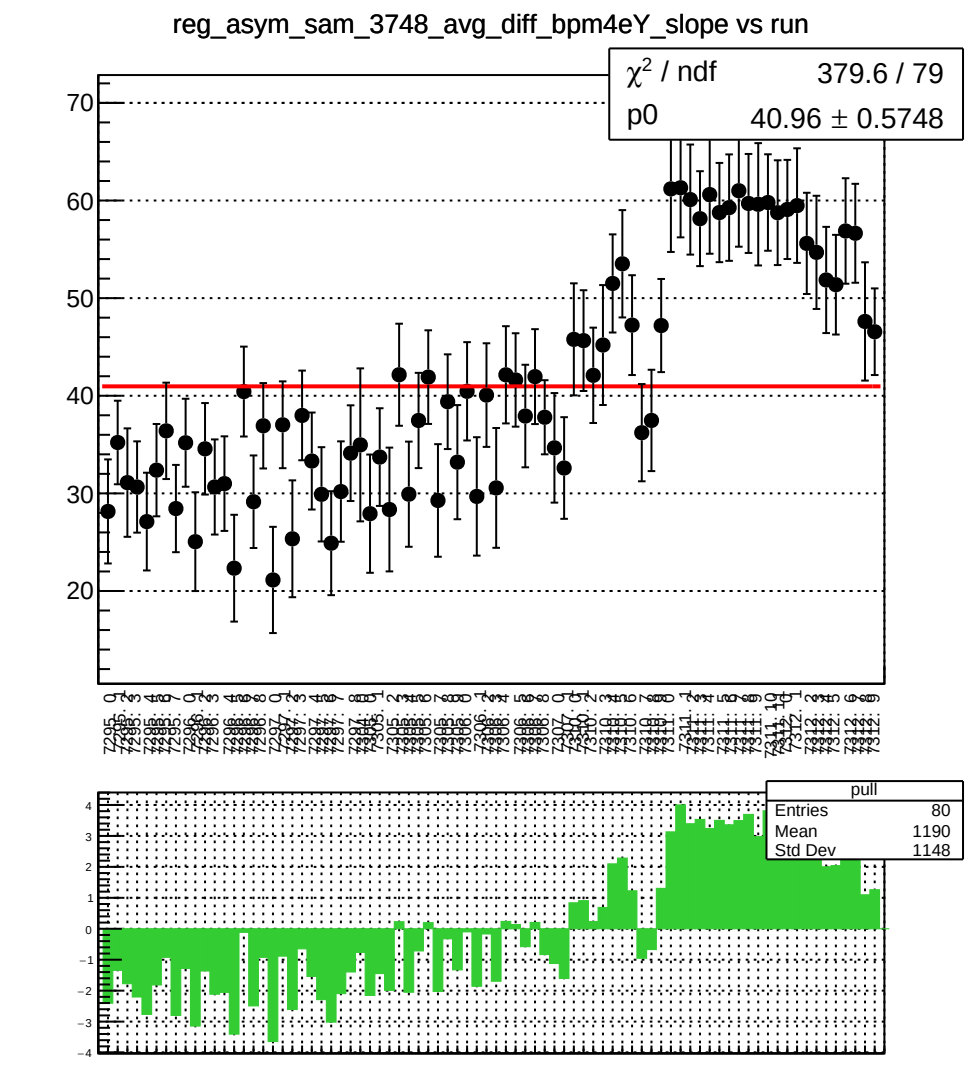

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 79
p0 −0.1906 ± 0.02257
pull
Entries 80
Mean 56.45
Std Dev 28.32
pull1D
Entries 80
Mean −0.2036
Std Dev 1.154

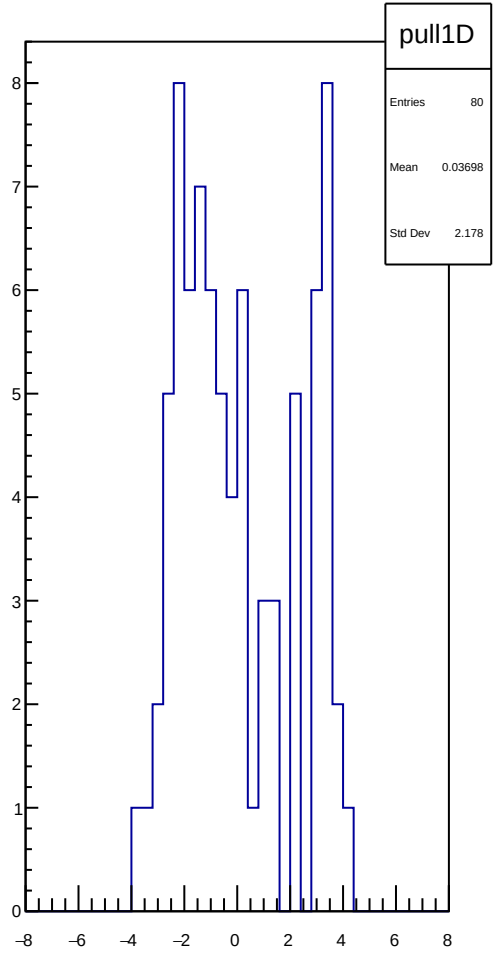

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1956 / 79
p0 −53.55 ± 0.5787
pull
Entries 80
Mean 174.4
Std Dev 128.1

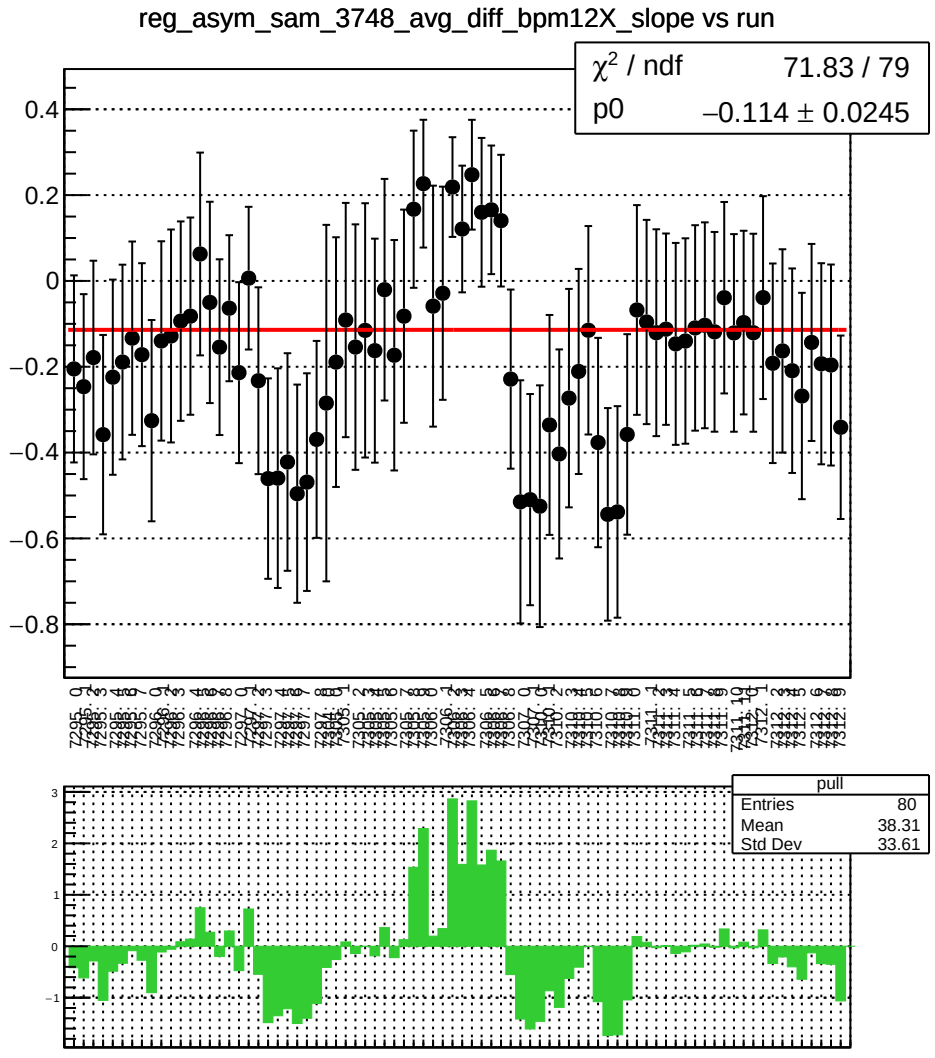

pull1D
Entries 80
Mean 0.4798
Std Dev 4.806

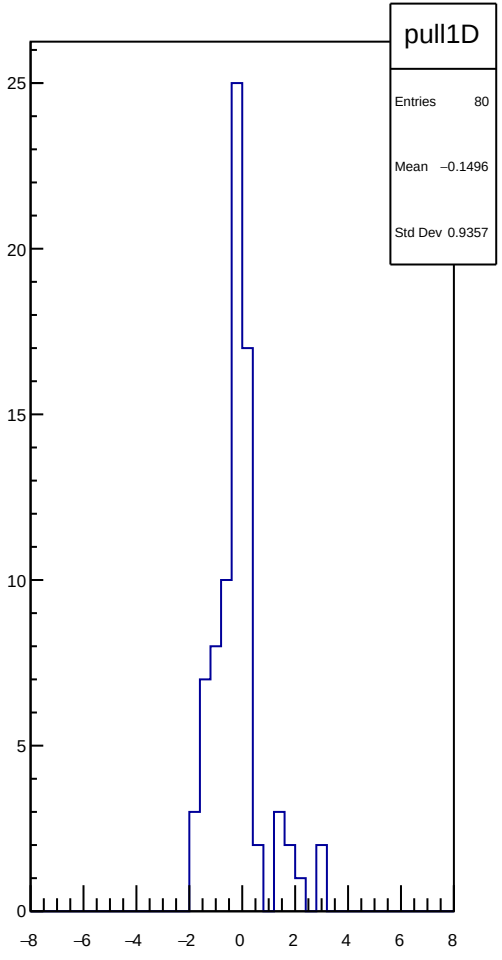

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 636 / 79
p0 15.73 ± 0.535
pull
Entries 80
Mean −9231
Std Dev 9274
pull1D
Entries 80
Mean 0.005876
Std Dev 2.82

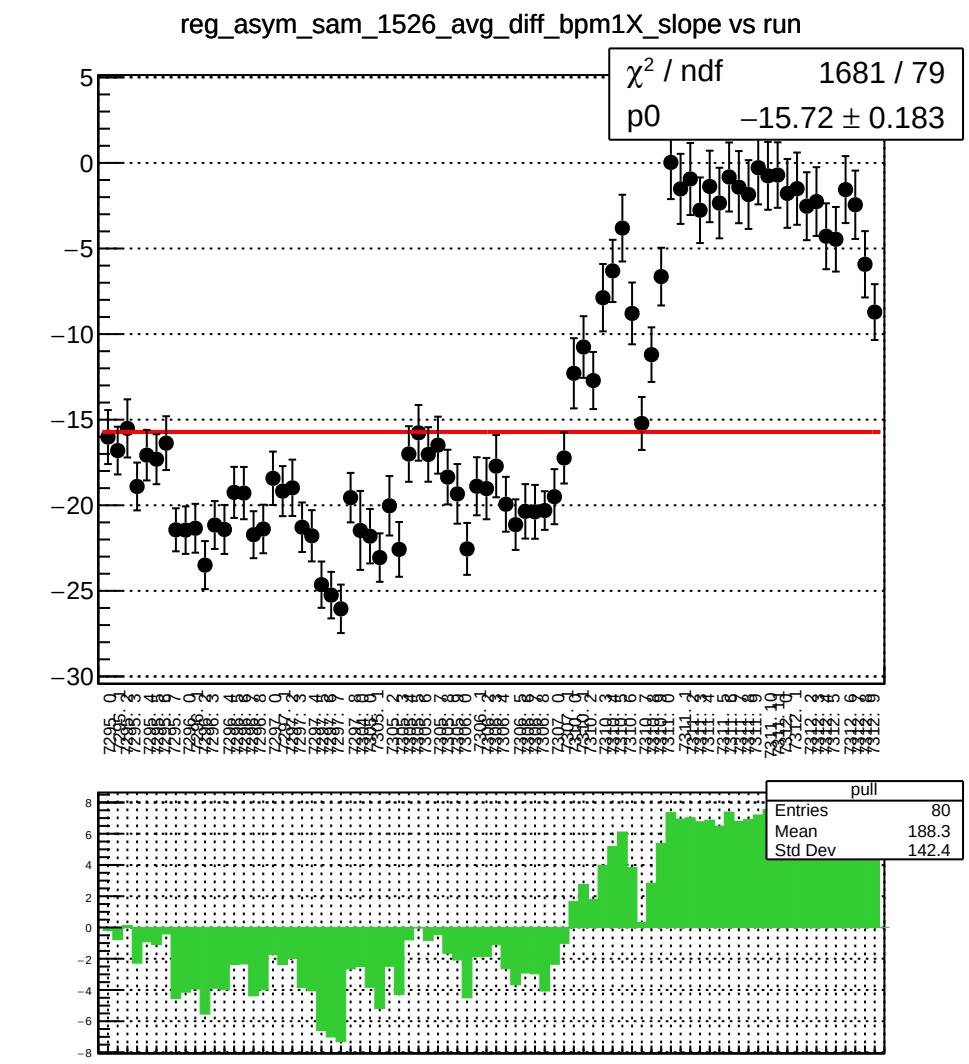

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1492 / 79
p0 −22.41 ± 0.573
pull
Entries 80
Mean 169.7
Std Dev 124.1
pull1D
Entries 80
Mean −0.6285
Std Dev 4.273

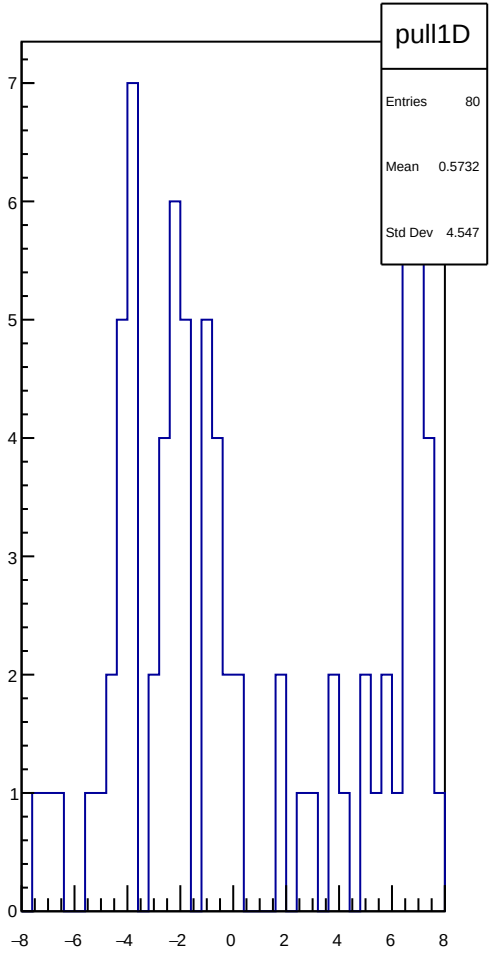

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 379.6 / 79
p0 40.96 ± 0.5748
pull
Entries 80
Mean 1190
Std Dev 1148

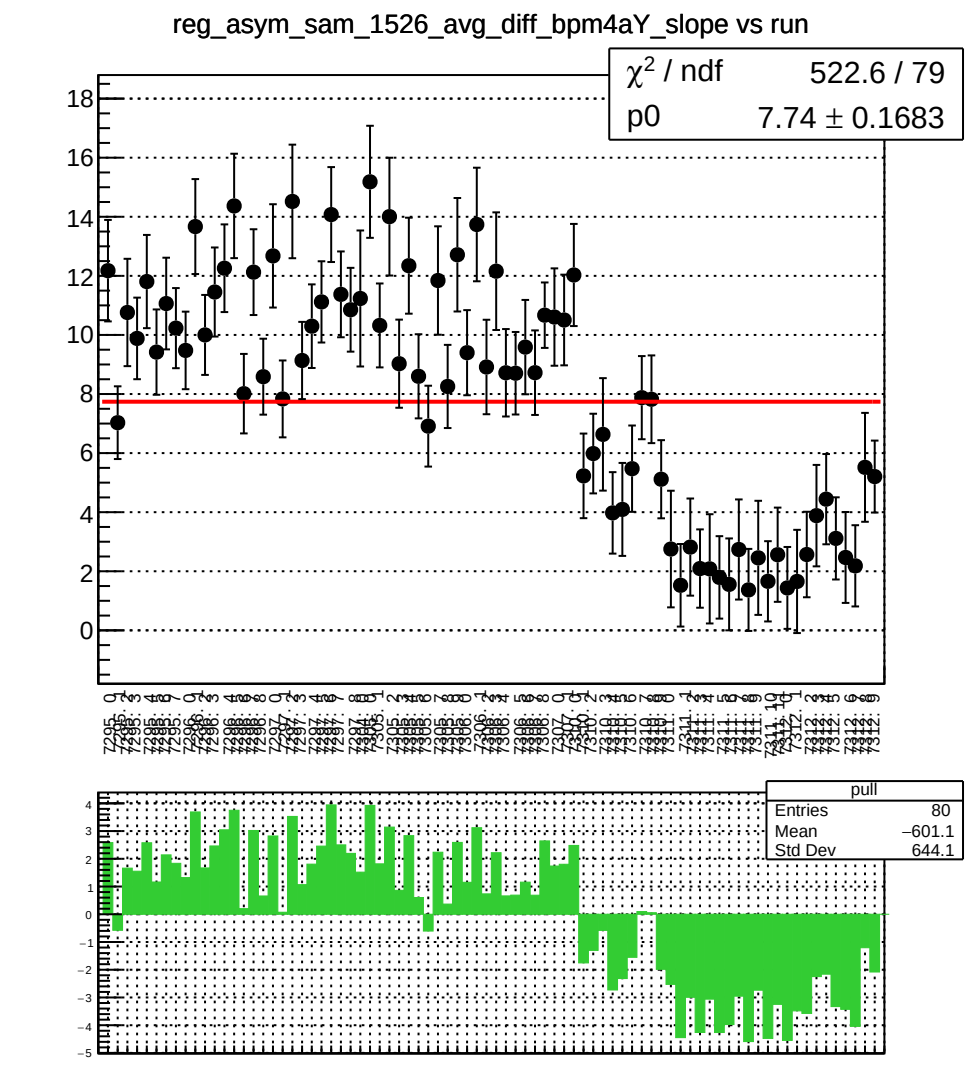

pull1D
Entries 80
Mean 0.03698
Std Dev 2.178

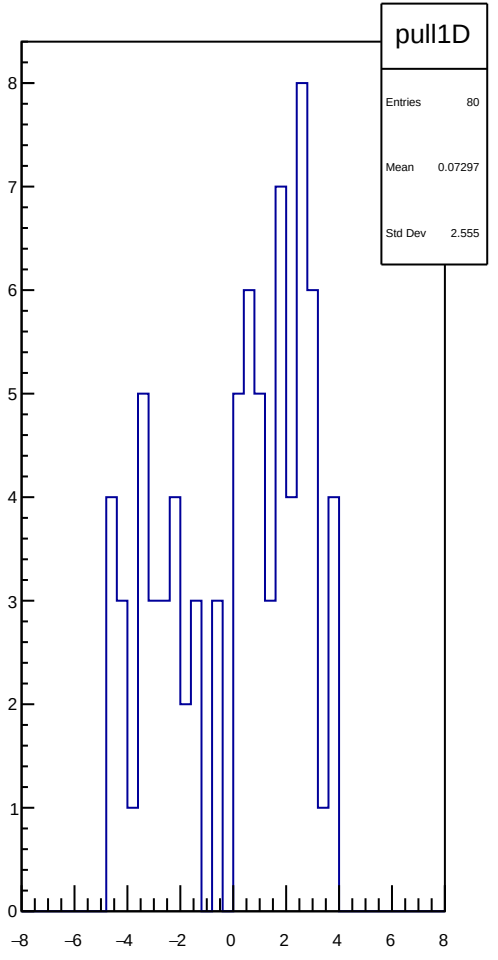

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 71.83 / 79
p0 −0.114 ± 0.0245
pull
Entries 80
Mean 38.31
Std Dev 33.61

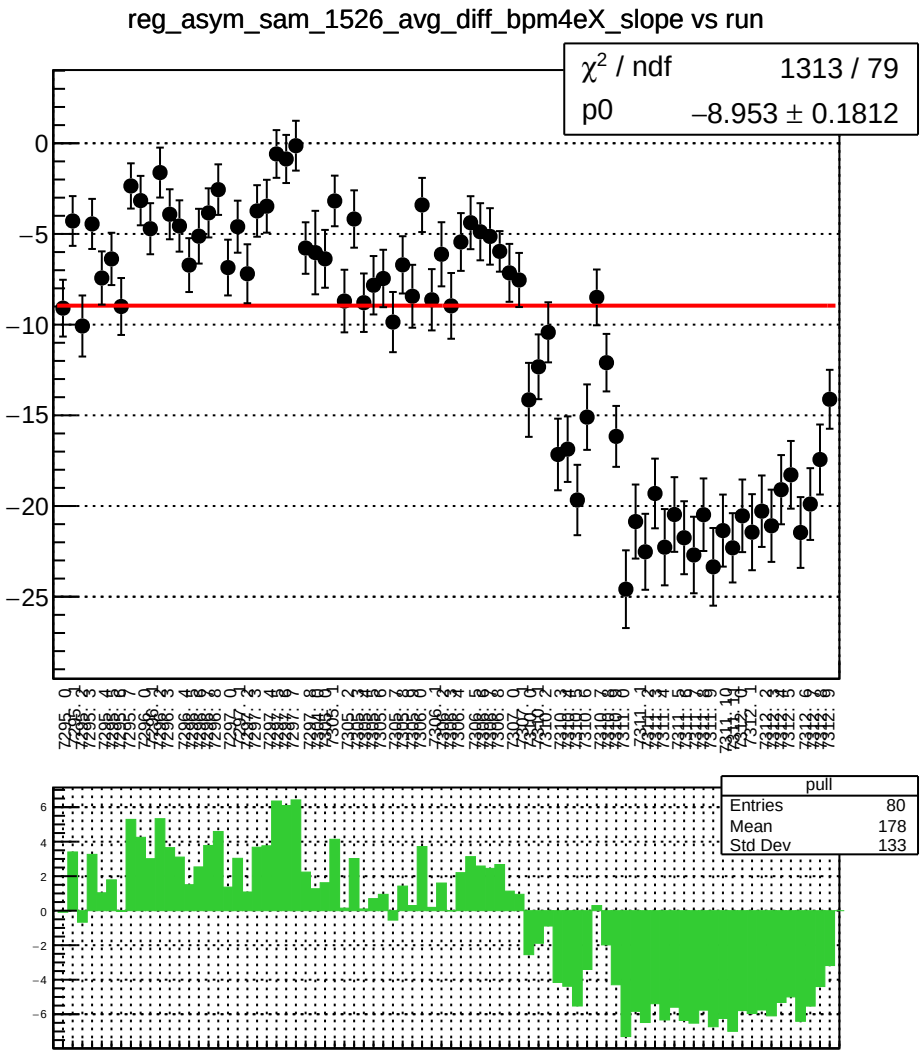

pull1D
Entries 80
Mean −0.1496
Std Dev 0.9357

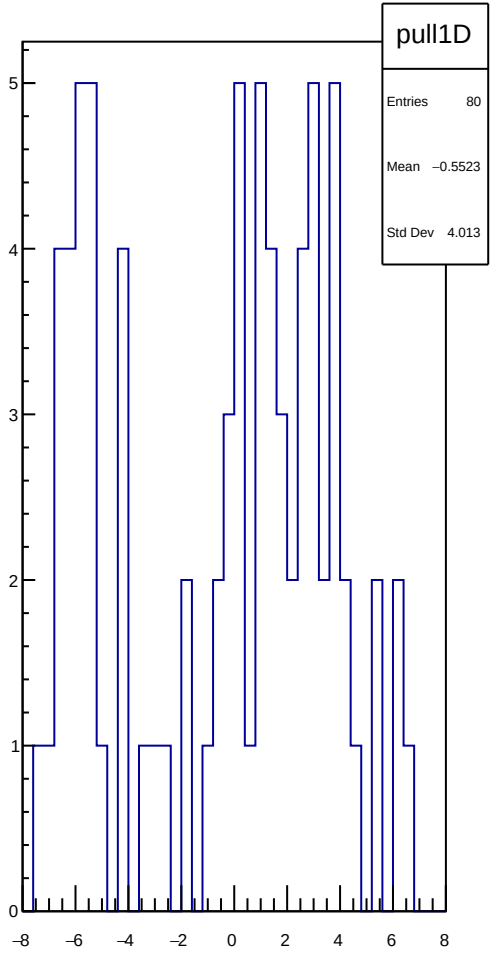

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1681 / 79
p0 −15.72 ± 0.183
pull
Entries 80
Mean 188.3
Std Dev 142.4

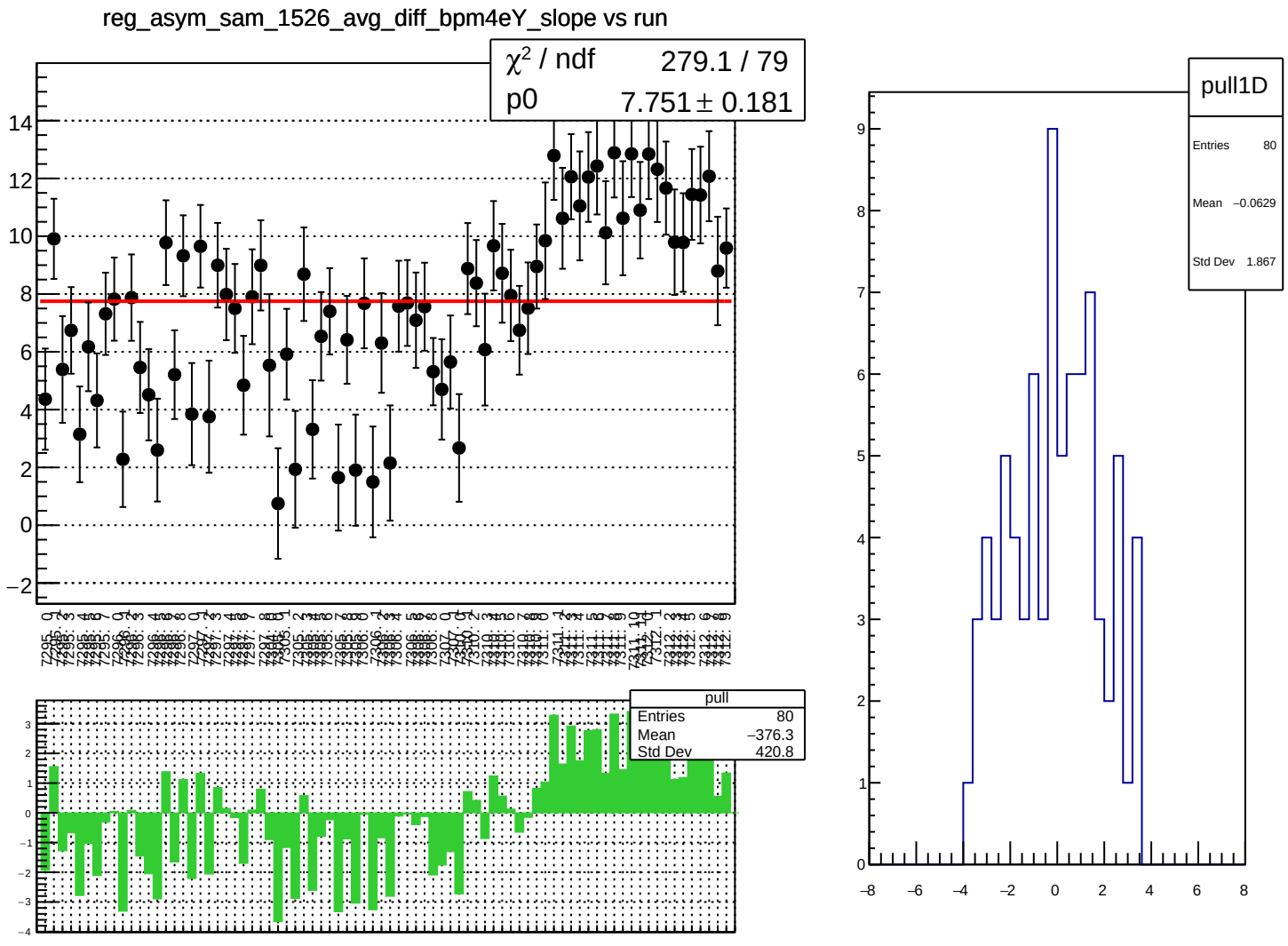

pull1D
Entries 80
Mean 0.5732
Std Dev 4.547

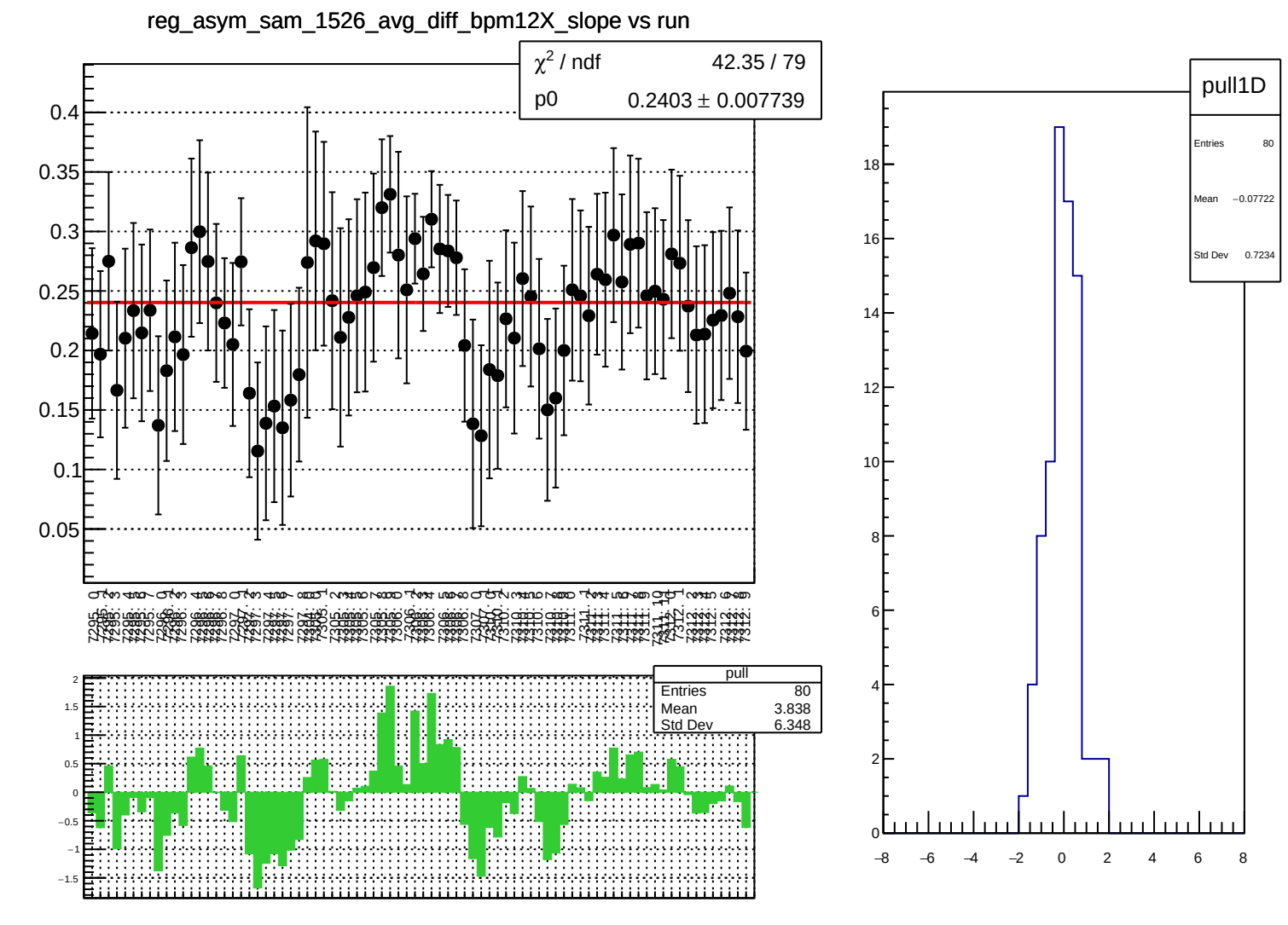

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 522.6 / 79
p0 7.74 ± 0.1683
pull
Entries 80
Mean −601.1
Std Dev 644.1

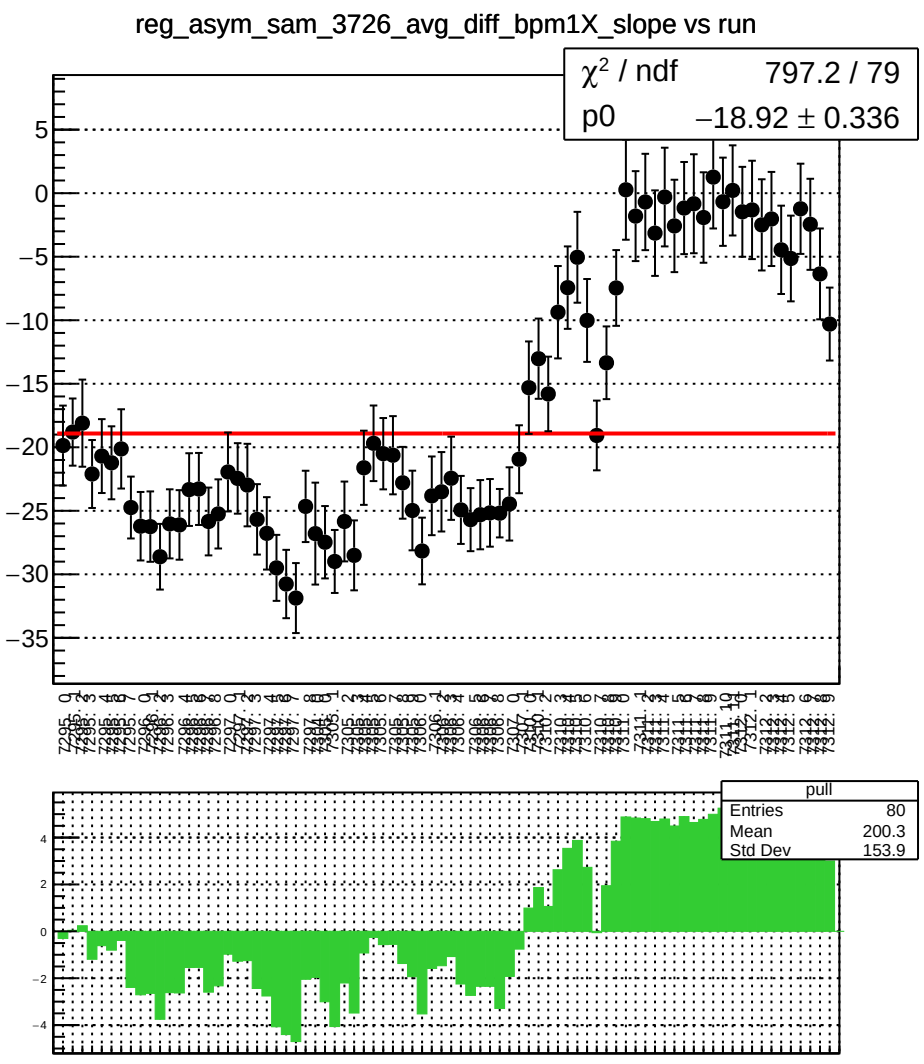

pull1D
Entries 80
Mean 0.07297
Std Dev 2.555

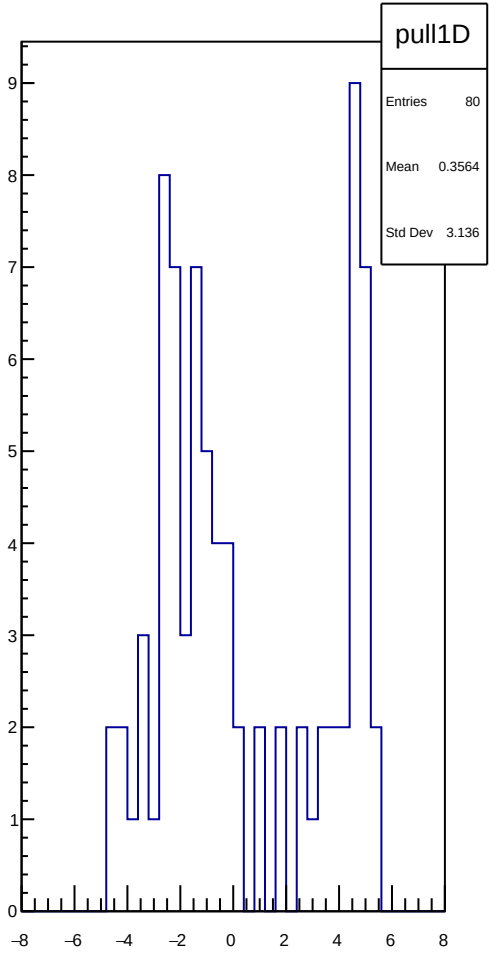

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 1313 / 79
p0 −8.953 ± 0.1812
pull
Entries 80
Mean 178
Std Dev 133

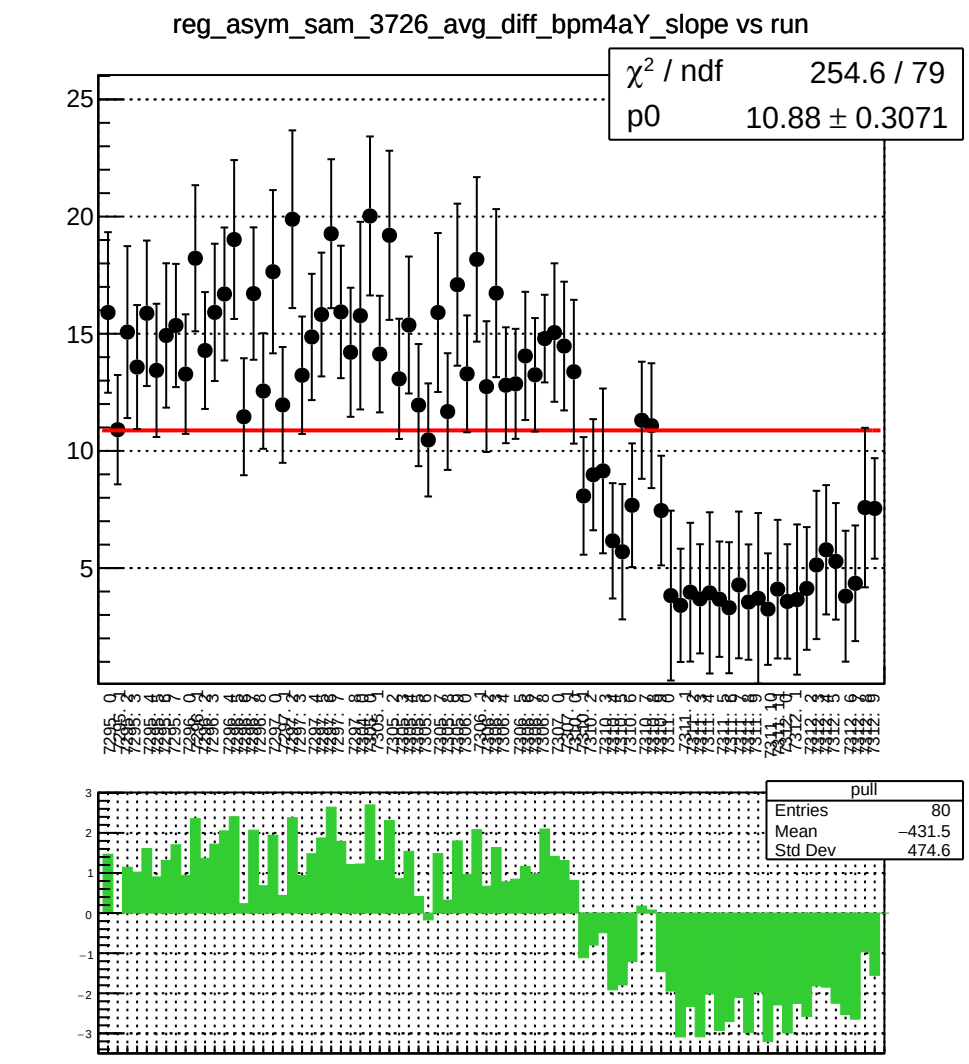

pull1D
Entries 80
Mean −0.5523
Std Dev 4.013

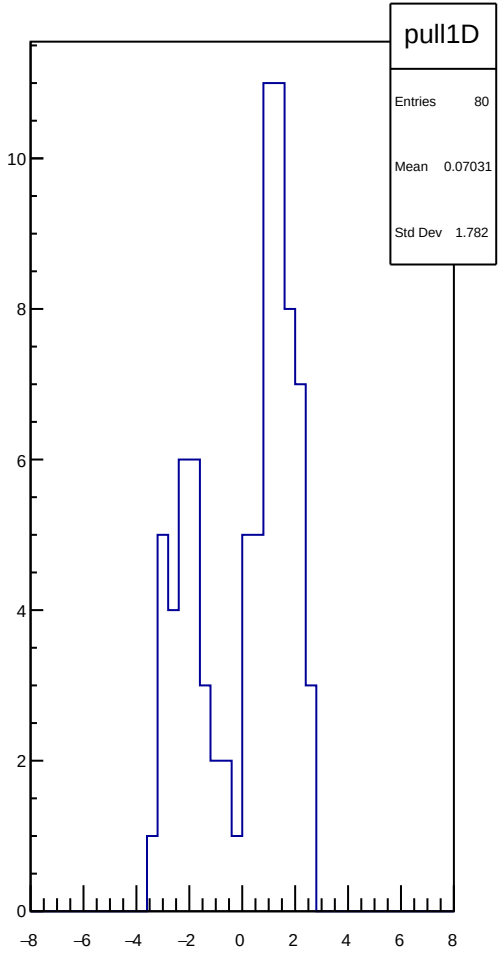

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 279.1 / 79
p0 7.751 ± 0.181
pull
Entries 80
Mean −376.3
Std Dev 420.8
pull1D
Entries 80
Mean −0.0629
Std Dev 1.867

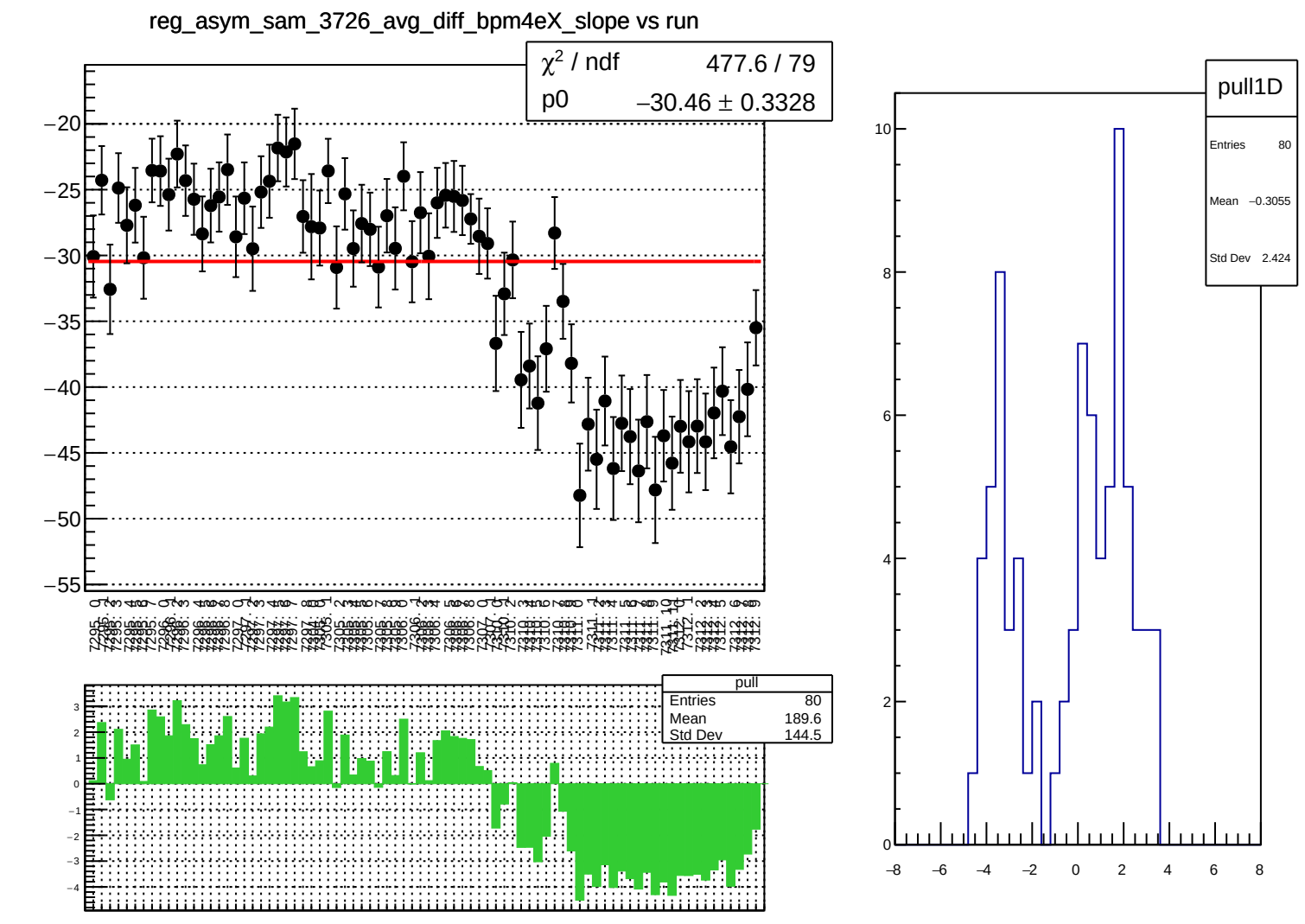

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 42.35 / 79
p0 0.2403 ± 0.007739
pull
Entries 80
Mean 3.838
Std Dev 6.348
pull1D
Entries 80
Mean −0.07722
Std Dev 0.7234

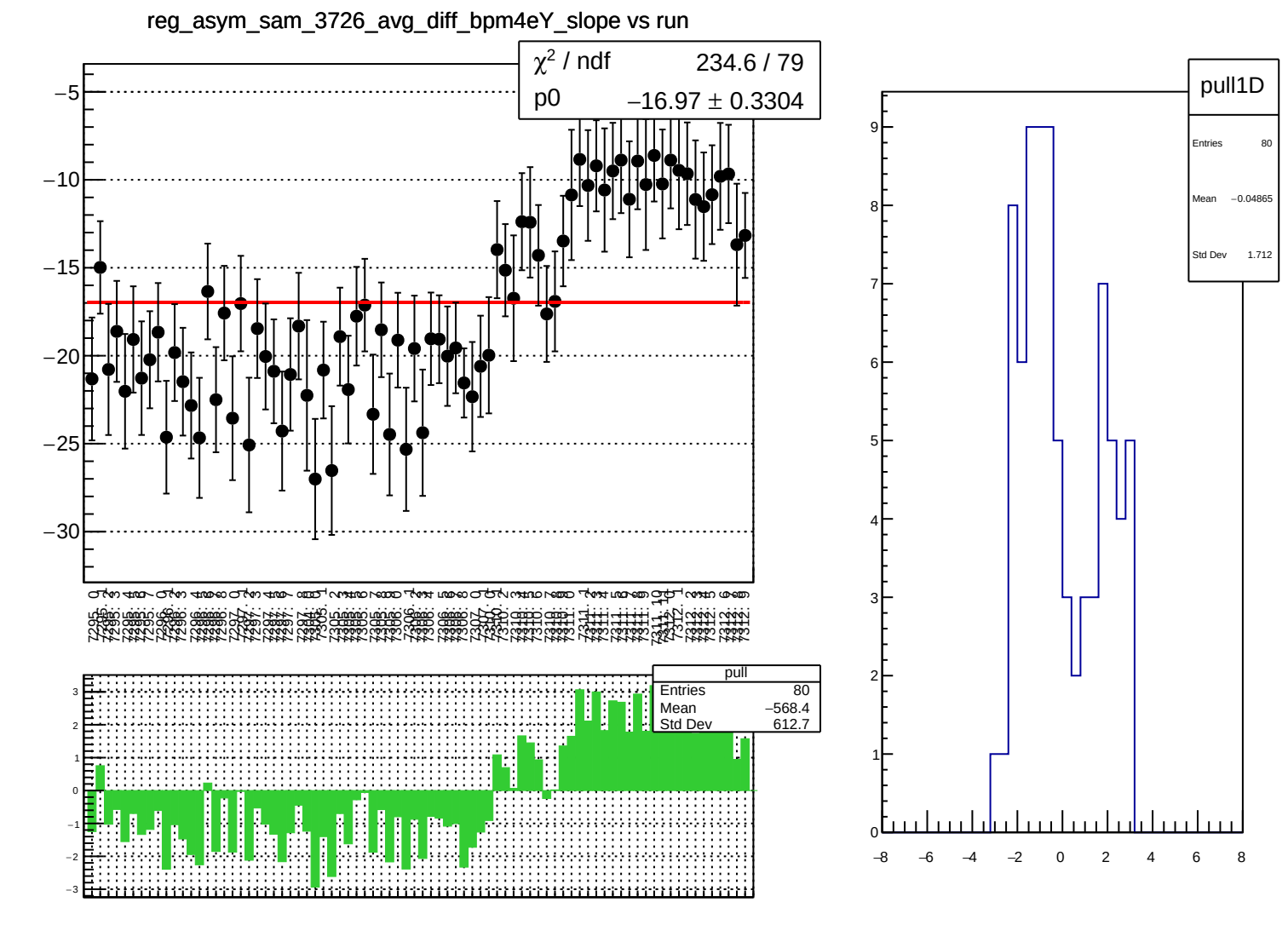

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 797.2 / 79
p0 −18.92 ± 0.336
pull
Entries 80
Mean 200.3
Std Dev 153.9

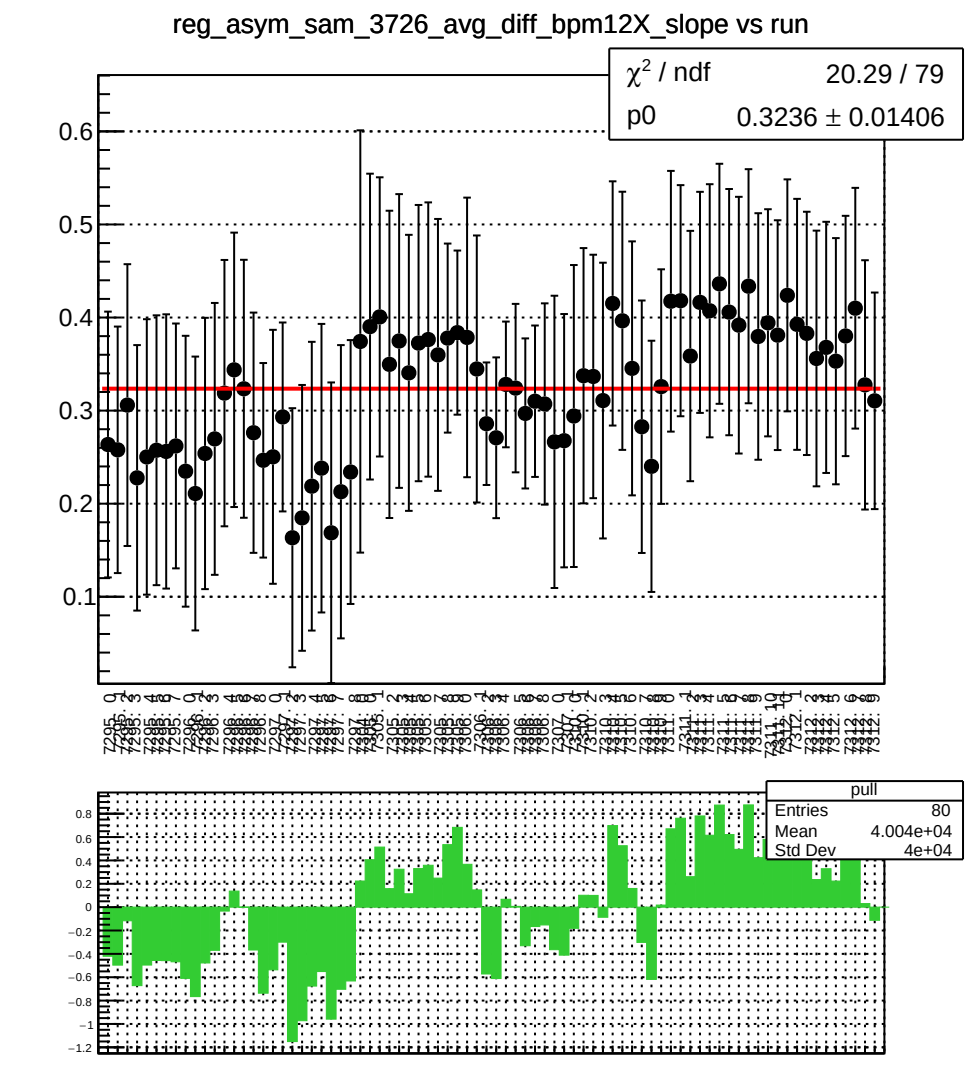

pull1D
Entries 80
Mean 0.3564
Std Dev 3.136

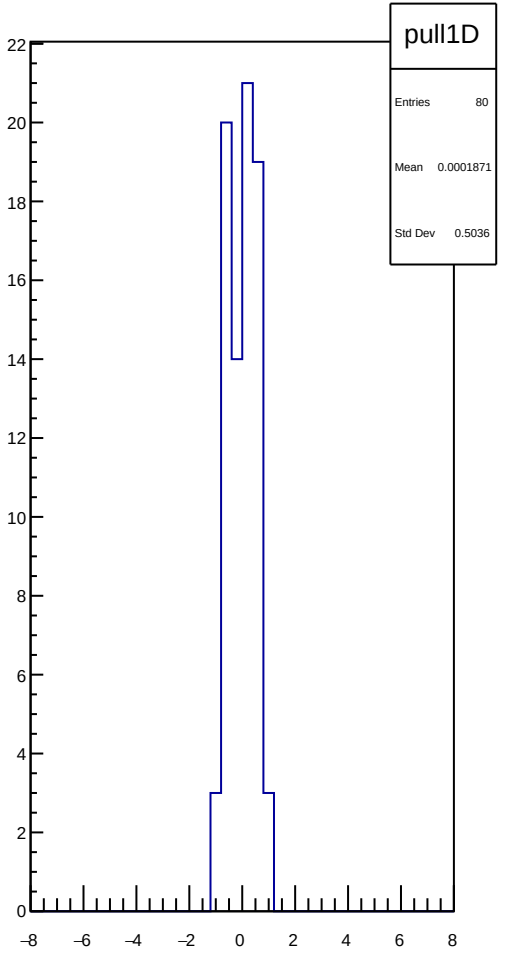

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 254.6 / 79
p0 10.88 ± 0.3071
pull
Entries 80
Mean −431.5
Std Dev 474.6

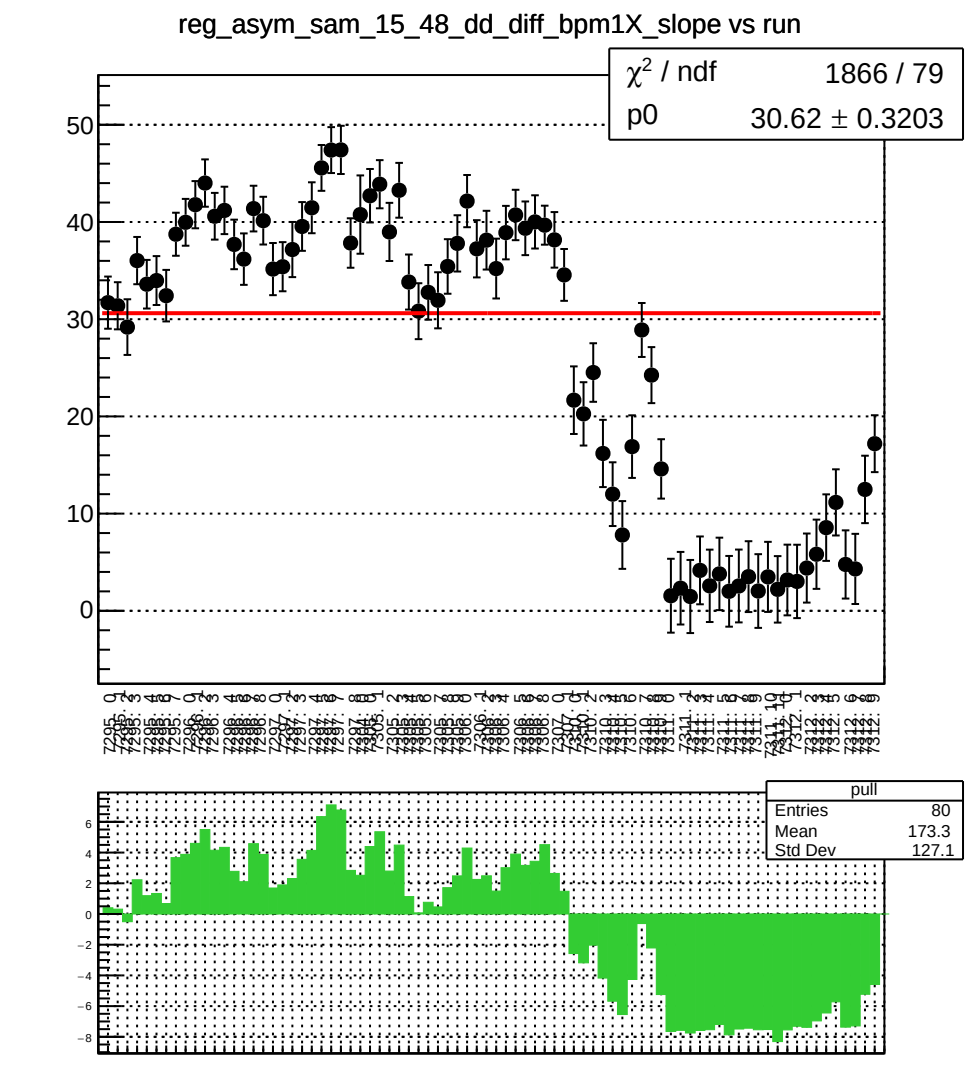

pull1D
Entries 80
Mean 0.07031
Std Dev 1.782

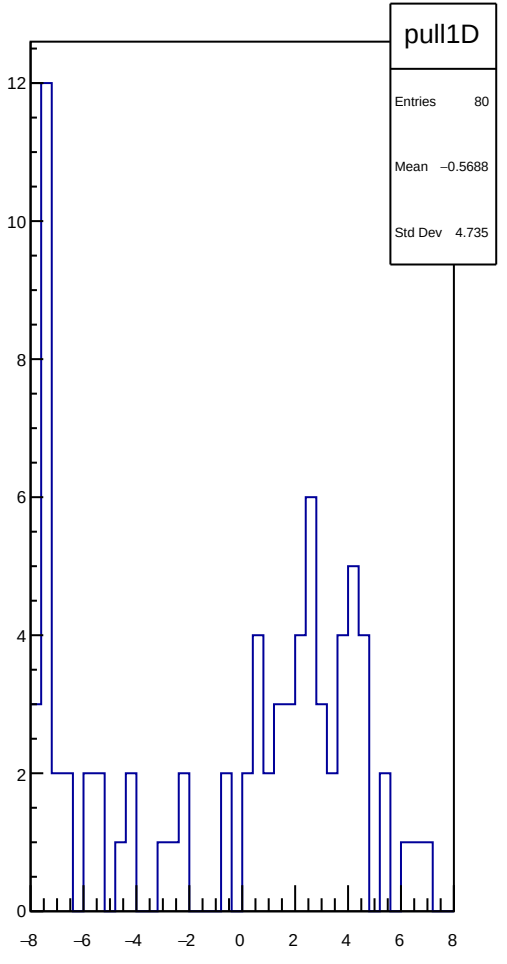

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 477.6 / 79
p0 −30.46 ± 0.3328
pull
Entries 80
Mean 189.6
Std Dev 144.5
pull1D
Entries 80
Mean −0.3055
Std Dev 2.424

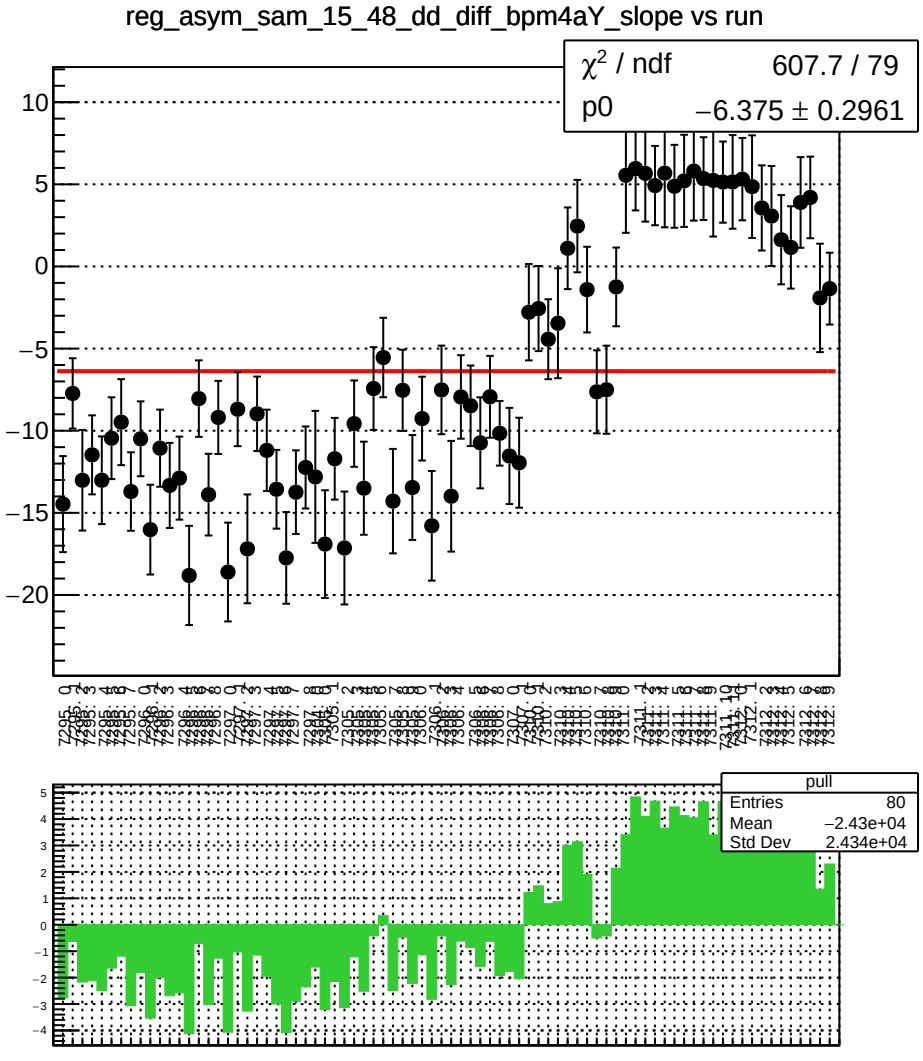

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 234.6 / 79
p0 −16.97 ± 0.3304
pull
Entries 80
Mean −568.4
Std Dev 612.7
pull1D
Entries 80
Mean −0.04865
Std Dev 1.712

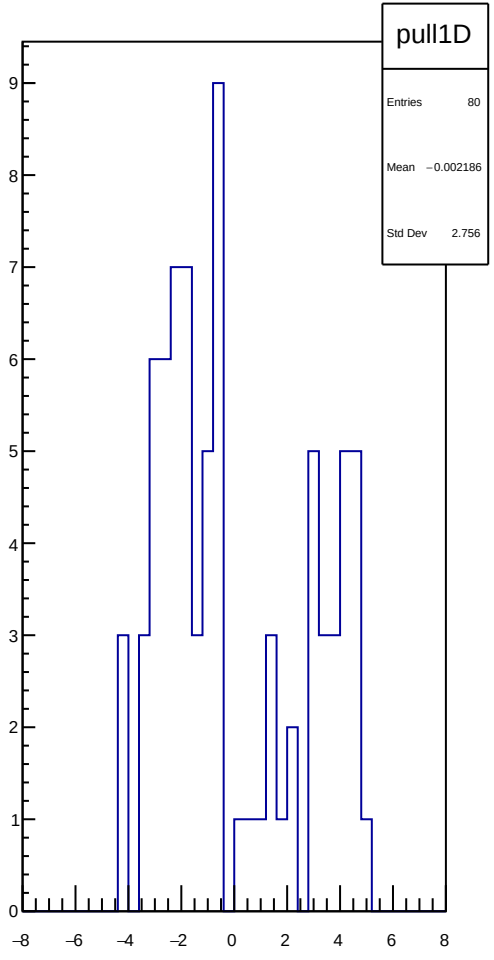

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 20.29 / 79
p0 0.3236 ± 0.01406
pull
Entries 80
Mean 4.004e+04
Std Dev 4e+04

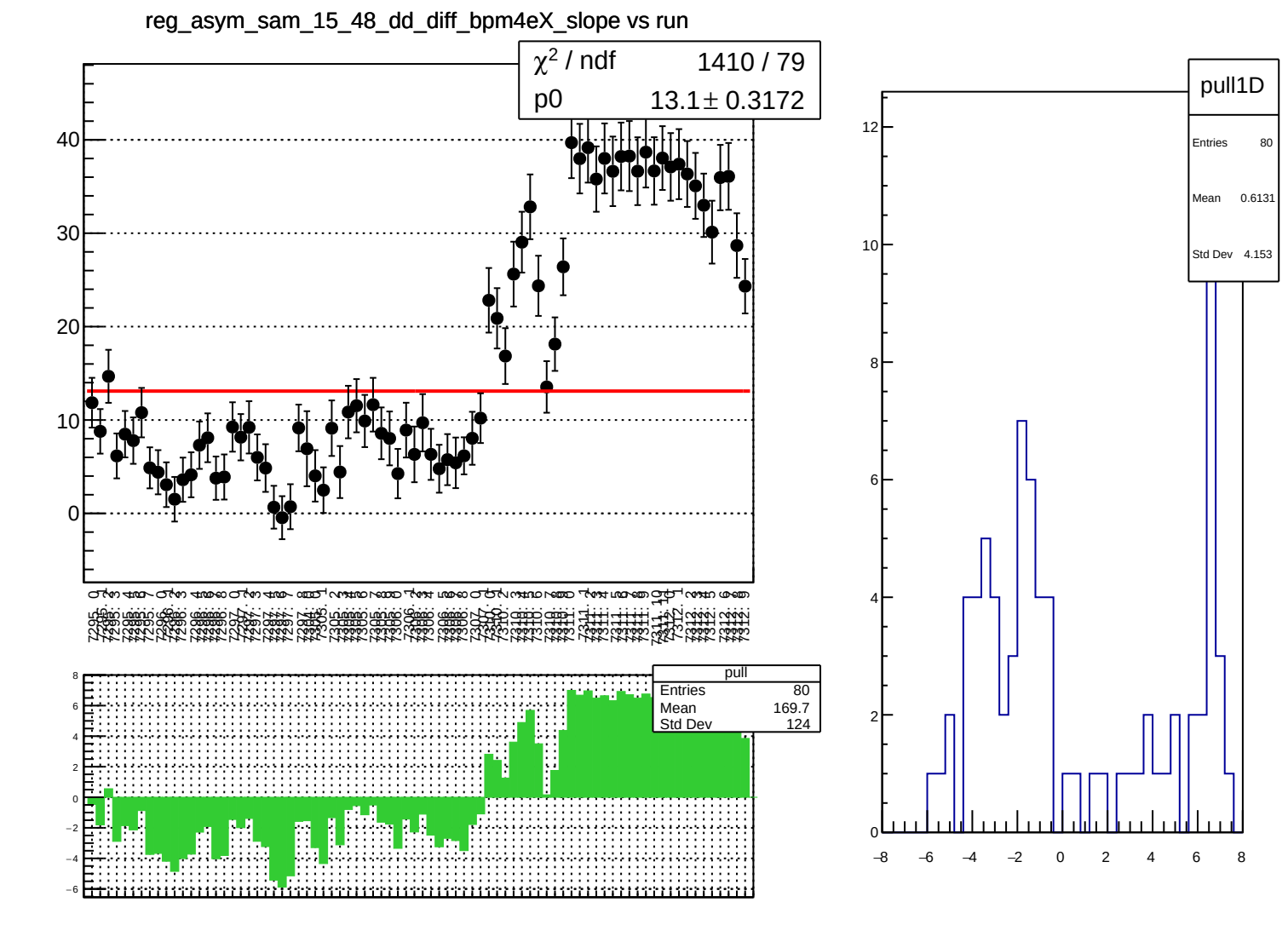

pull1D
Entries 80
Mean 0.0001871
Std Dev 0.5036

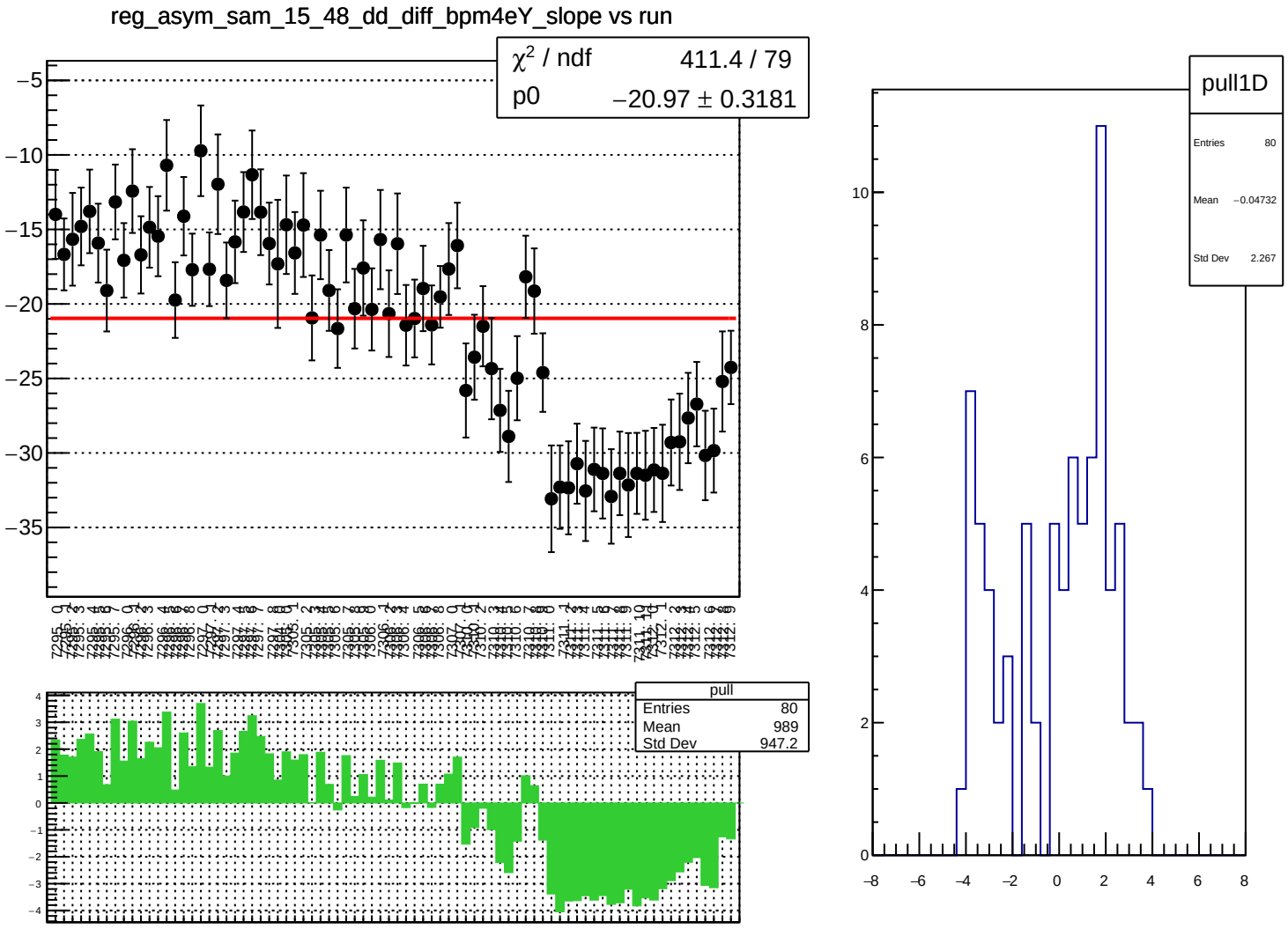

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1866 / 79
p0 30.62 ± 0.3203
pull
Entries 80
Mean 173.3
Std Dev 127.1

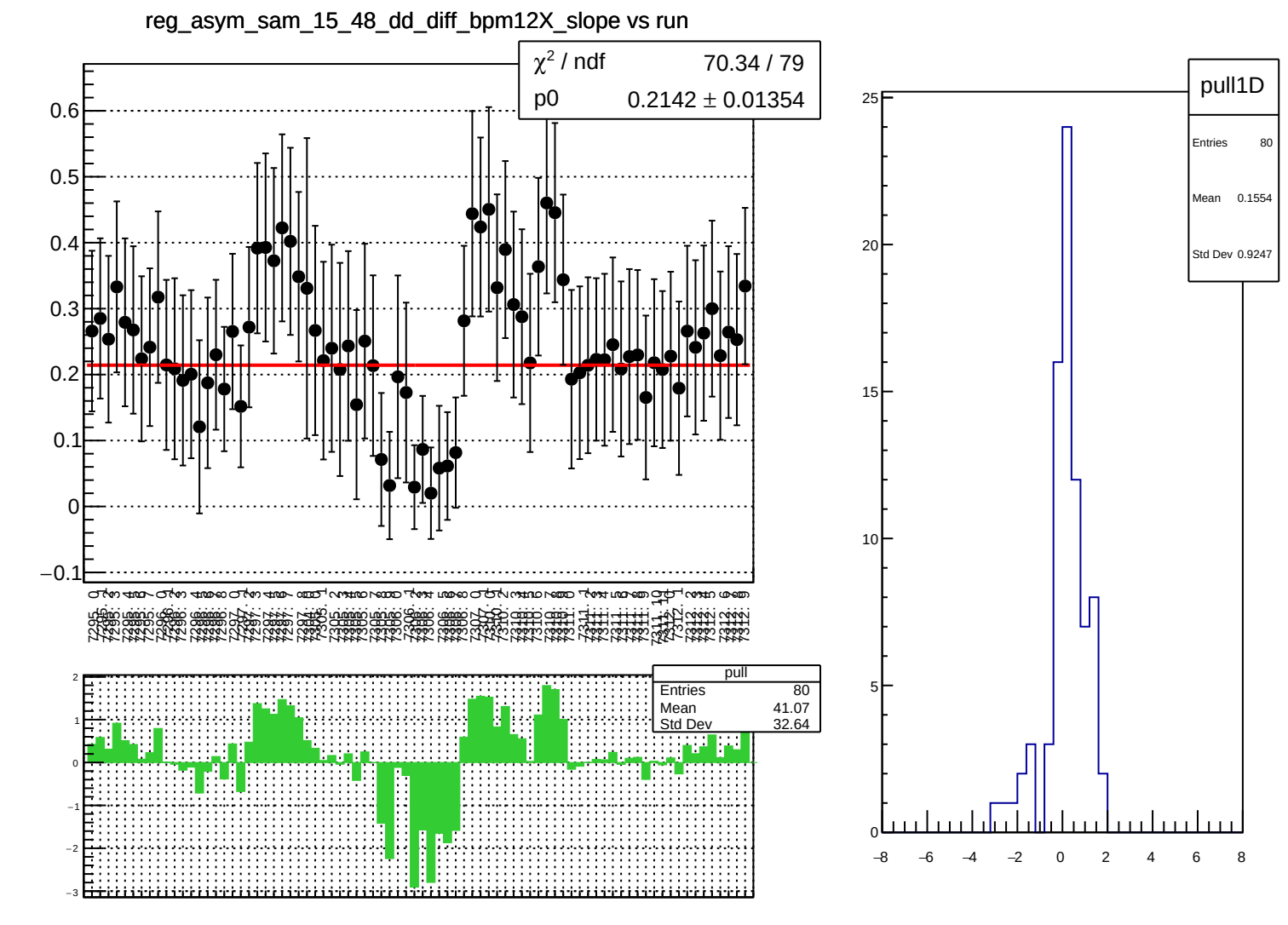

pull1D
Entries 80
Mean −0.5688
Std Dev 4.735

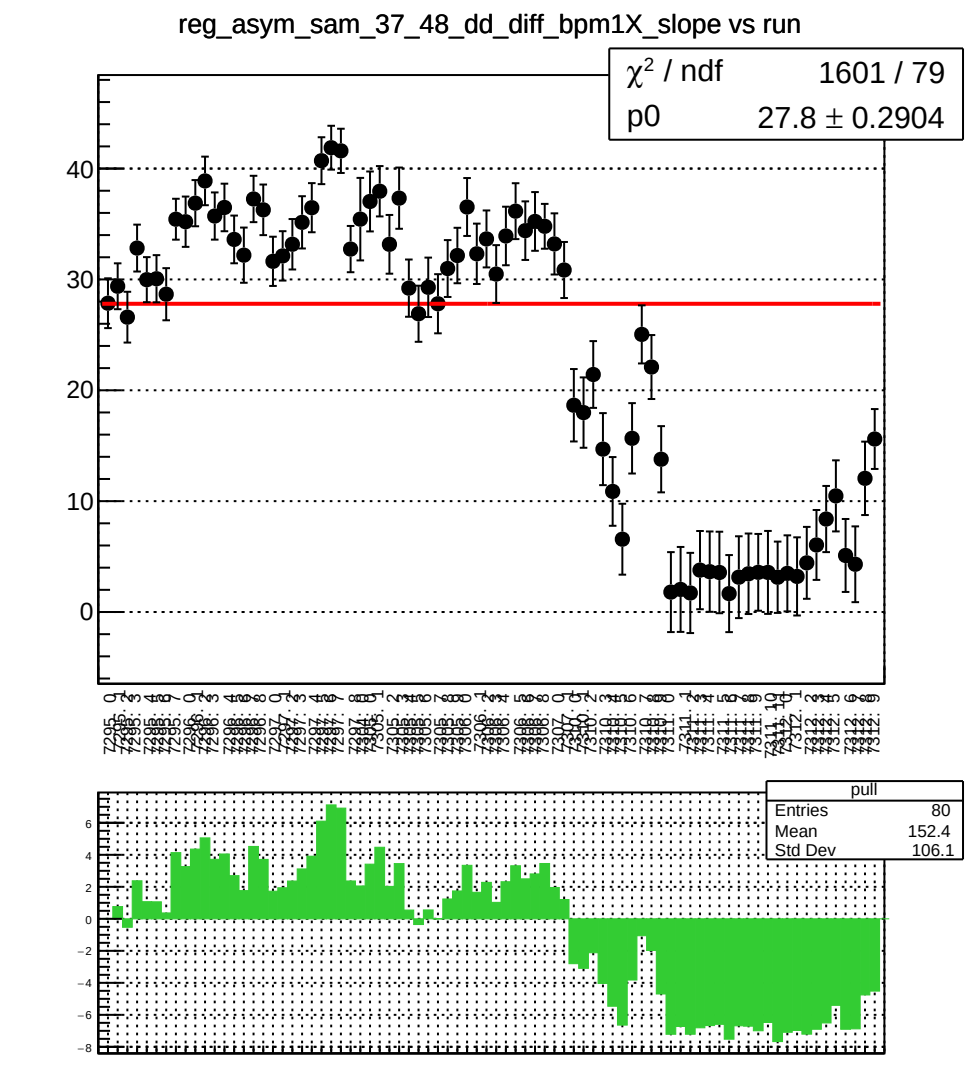

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 607.7 / 79
p0 −6.375 ± 0.2961
pull
Entries 80
Mean −2.43e+04
Std Dev 2.434e+04

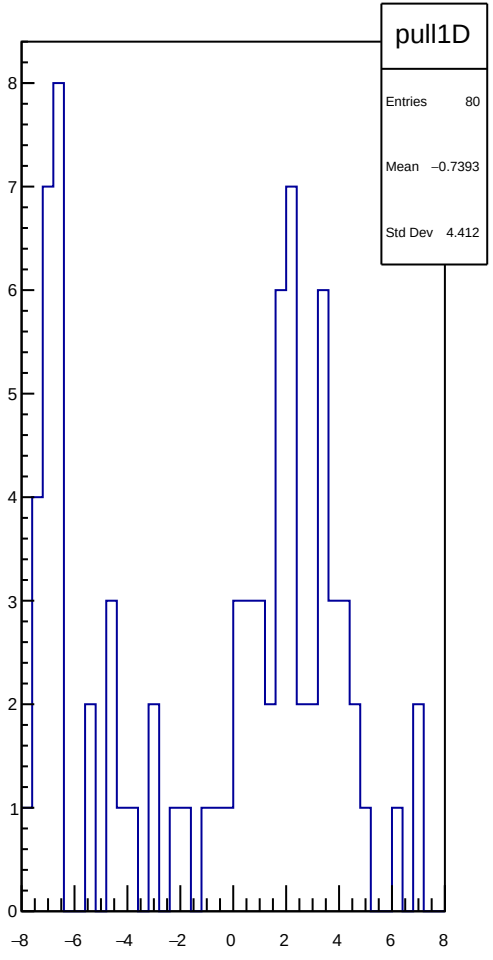

pull1D
Entries 80
Mean −0.002186
Std Dev 2.756

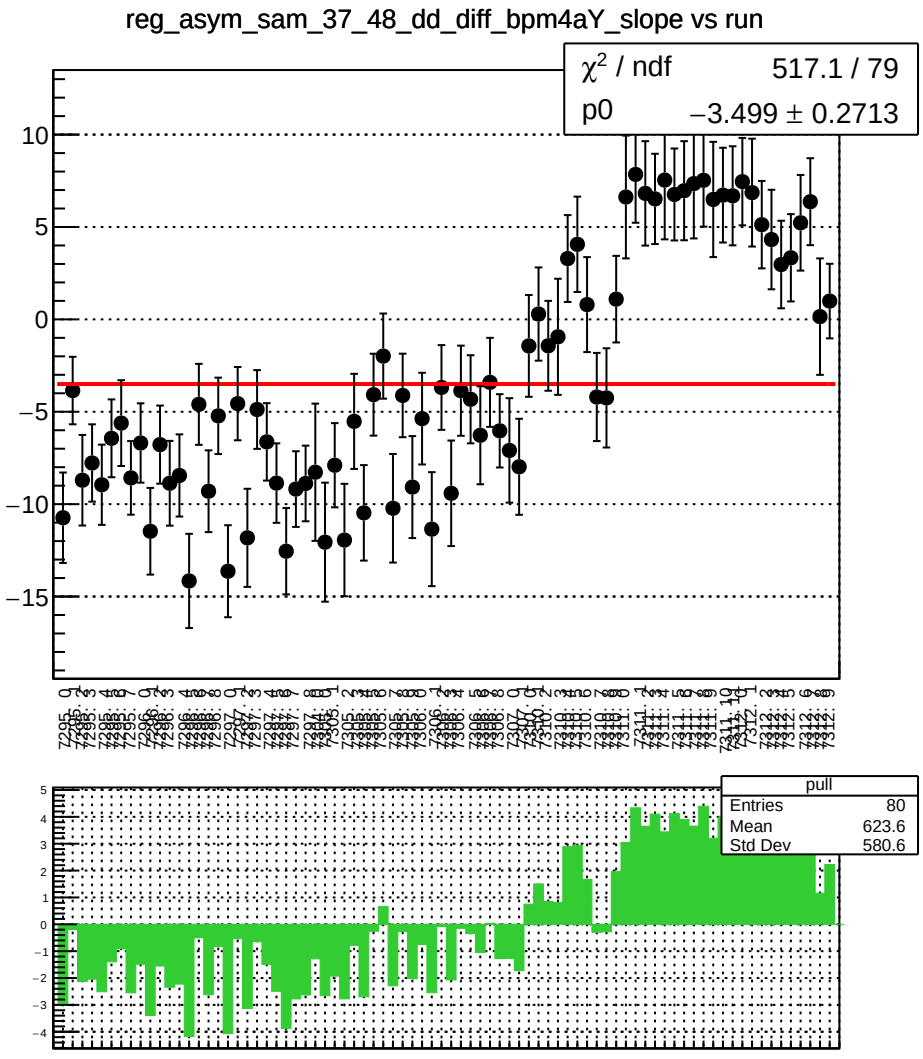

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1410 / 79
p0 13.1 ± 0.3172
pull
Entries 80
Mean 169.7
Std Dev 124
pull1D
Entries 80
Mean 0.6131
Std Dev 4.153

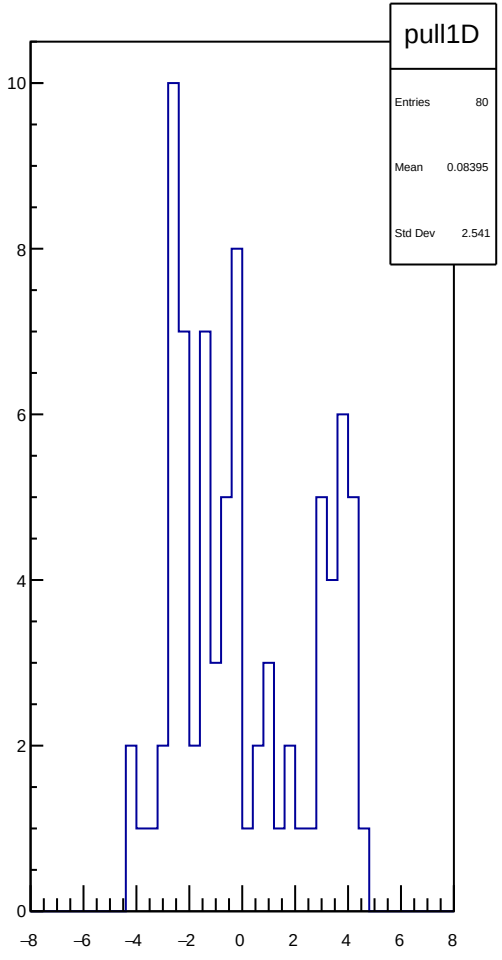

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 411.4 / 79
p0 −20.97 ± 0.3181
pull
Entries 80
Mean 989
Std Dev 947.2
pull1D
Entries 80
Mean −0.04732
Std Dev 2.267

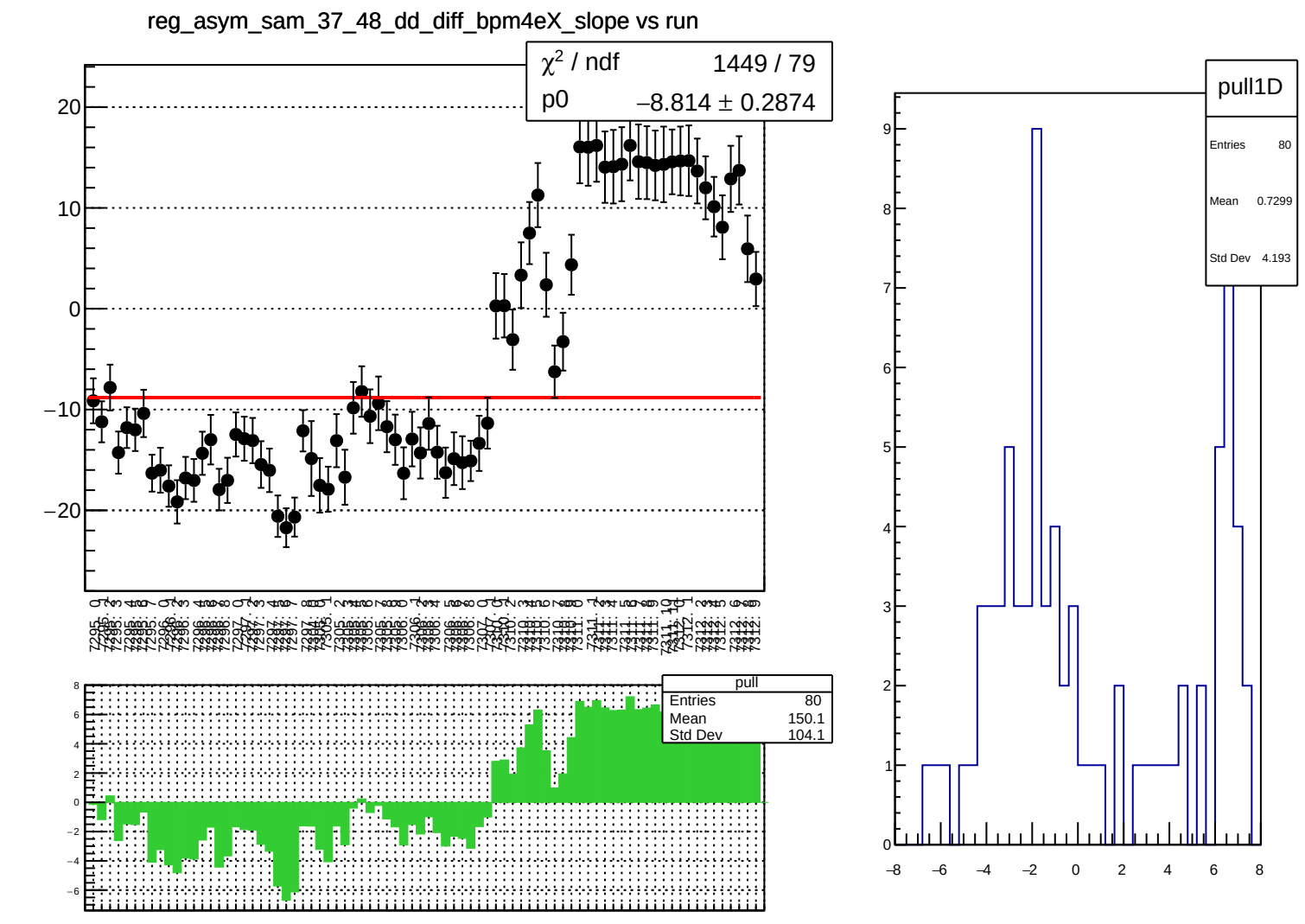

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 70.34 / 79
p0 0.2142 ± 0.01354
pull
Entries 80
Mean 41.07
Std Dev 32.64
pull1D
Entries 80
Mean 0.1554
Std Dev 0.9247

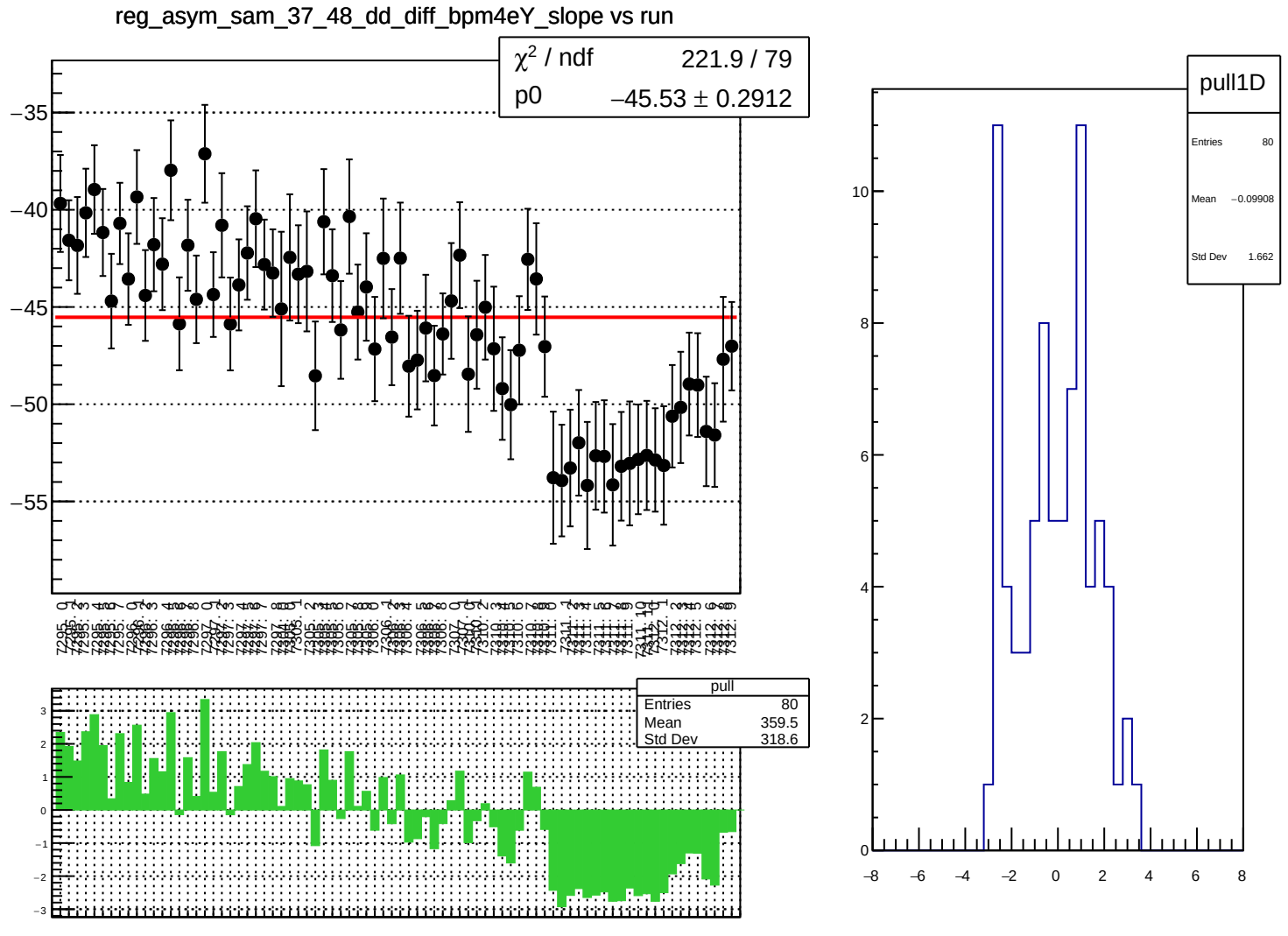

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1601 / 79
p0 27.8 ± 0.2904
pull
Entries 80
Mean 152.4
Std Dev 106.1

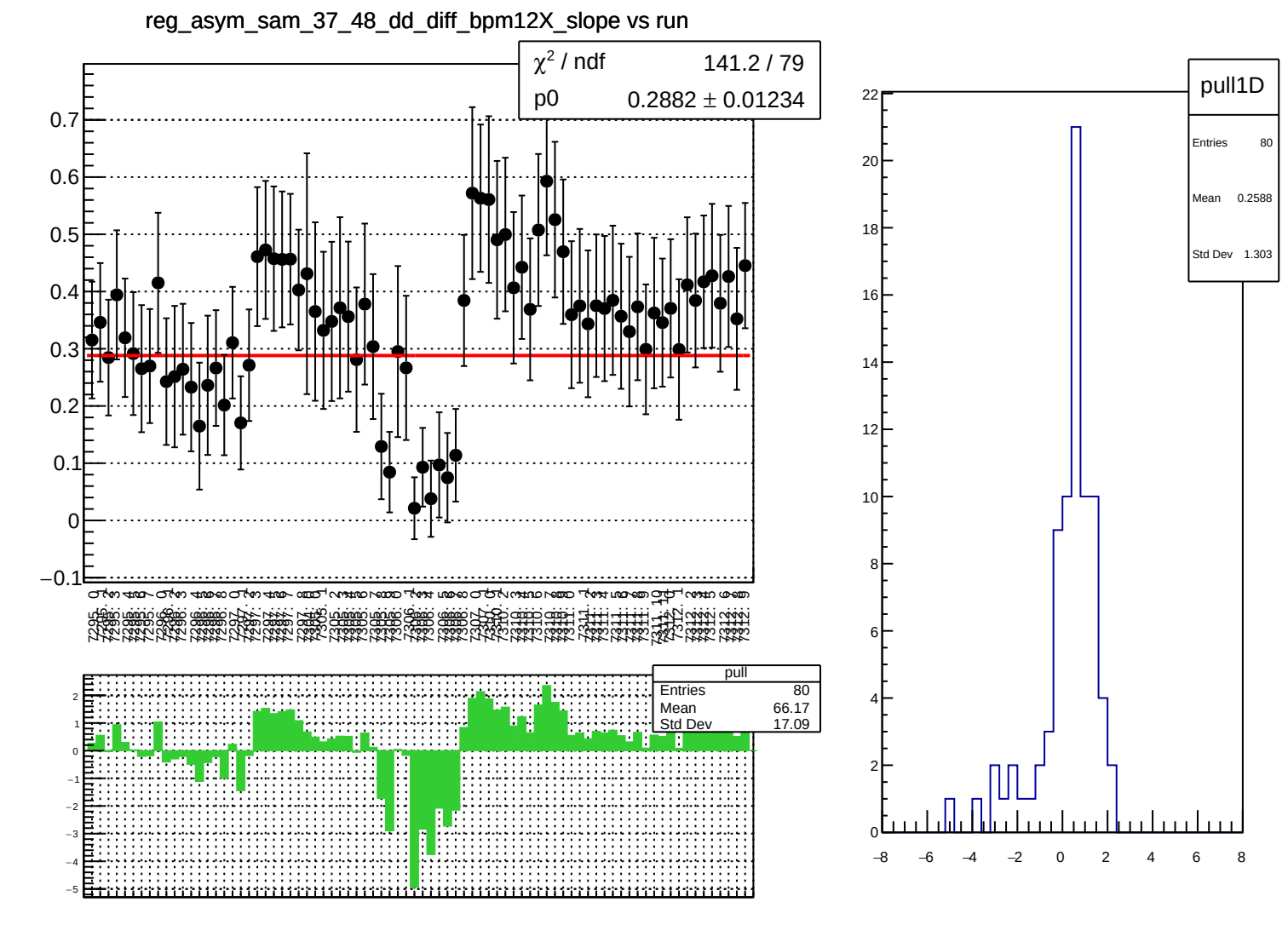

pull1D
Entries 80
Mean −0.7393
Std Dev 4.412

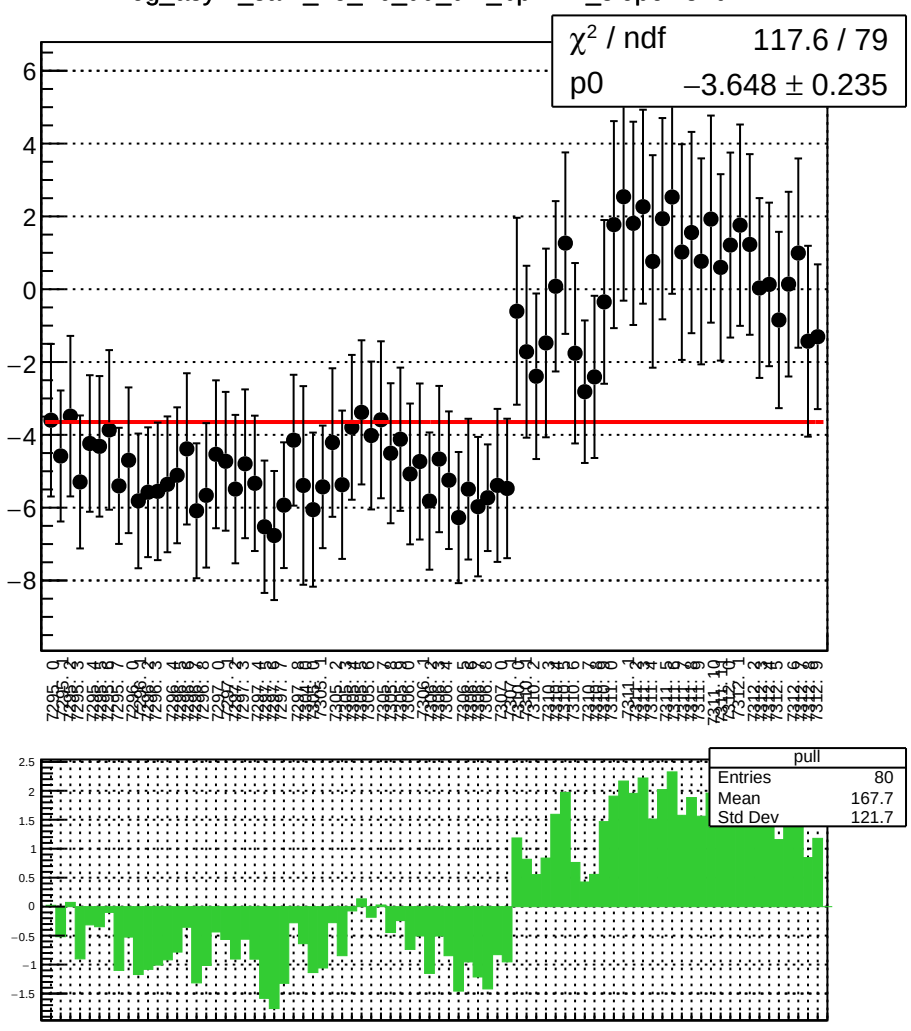

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 517.1 / 79
p0 −3.499 ± 0.2713
pull
Entries 80
Mean 623.6
Std Dev 580.6

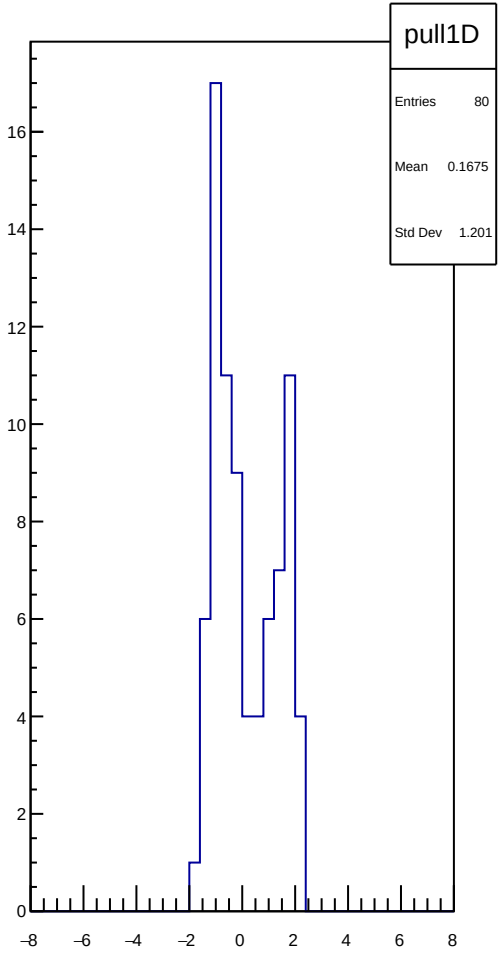

pull1D
Entries 80
Mean 0.08395
Std Dev 2.541

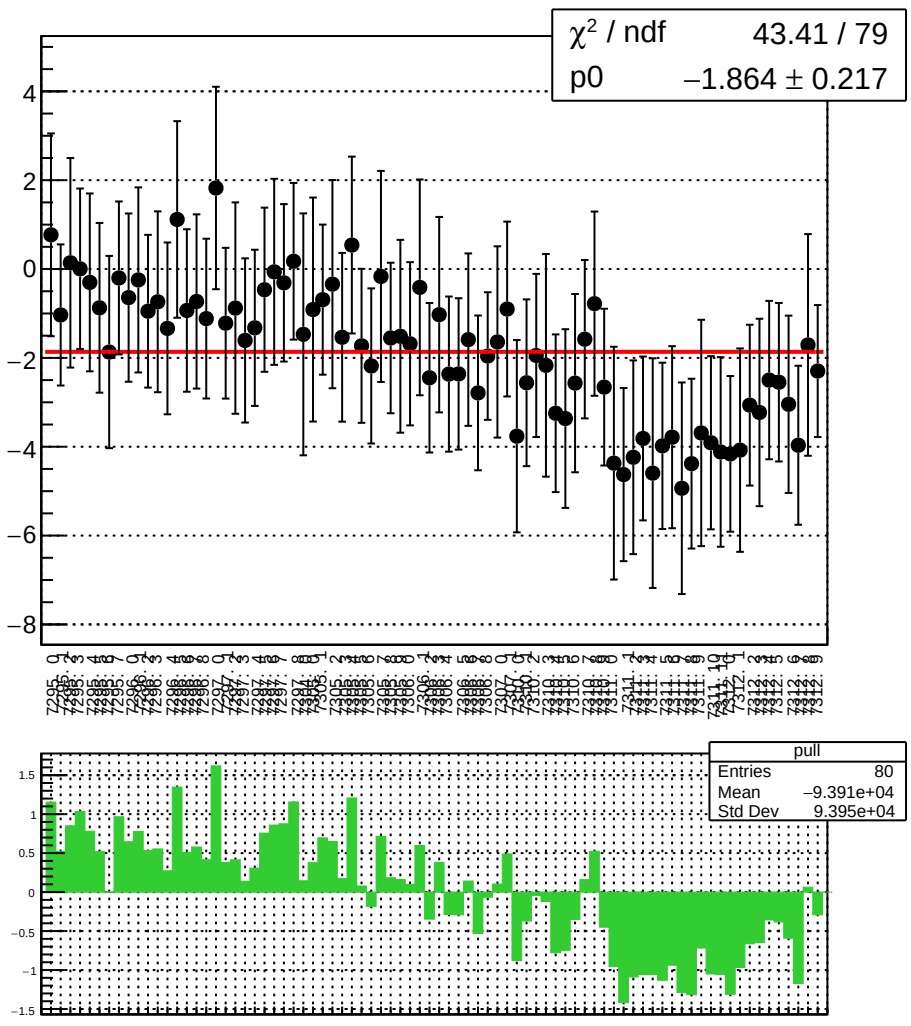

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1449 / 79
p0 −8.814 ± 0.2874
pull
Entries 80
Mean 150.1
Std Dev 104.1
pull1D
Entries 80
Mean 0.7299
Std Dev 4.193

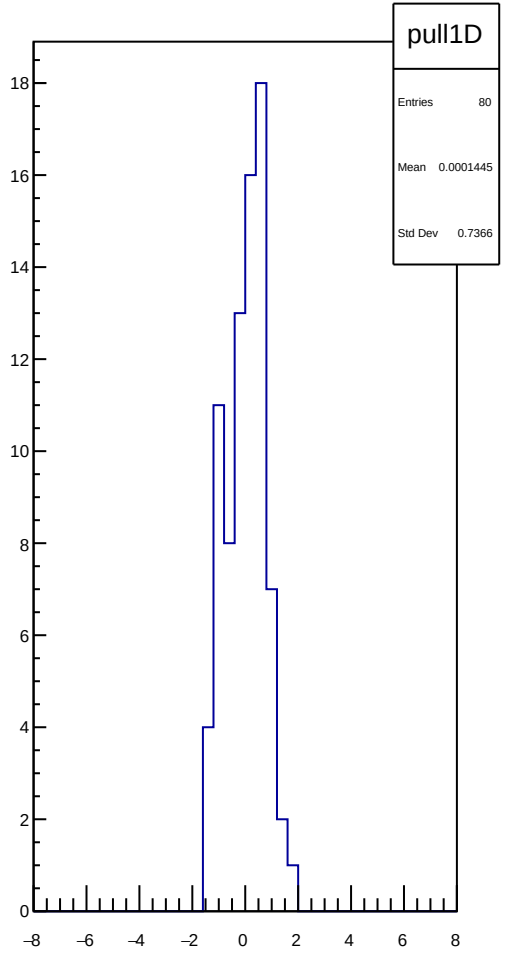

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.9 / 79
p0 −45.53 ± 0.2912
pull
Entries 80
Mean 359.5
Std Dev 318.6
pull1D
Entries 80
Mean −0.09908
Std Dev 1.662

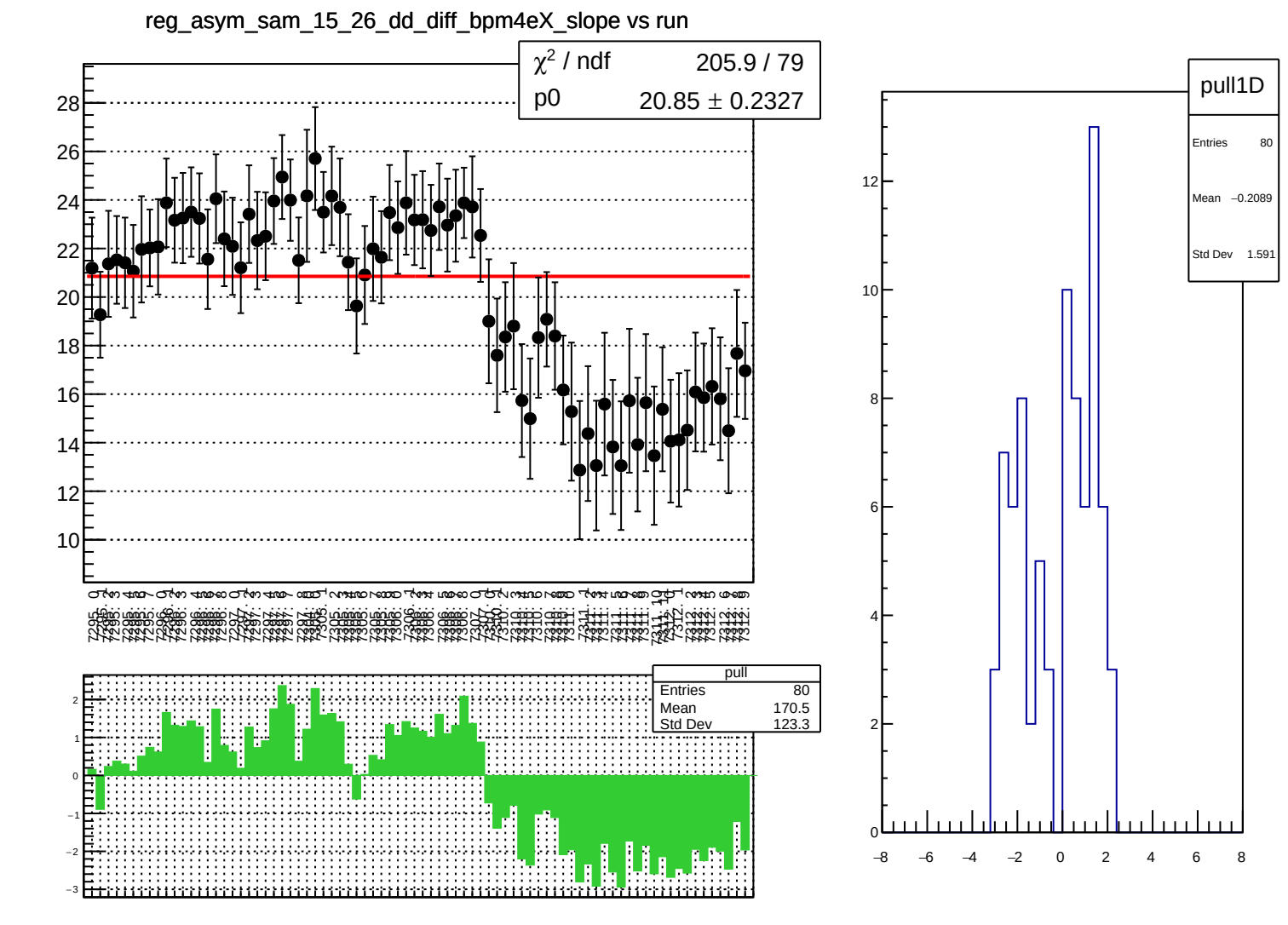

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 141.2 / 79
p0 0.2882 ± 0.01234
pull
Entries 80
Mean 66.17
Std Dev 17.09
pull1D
Entries 80
Mean 0.2588
Std Dev 1.303

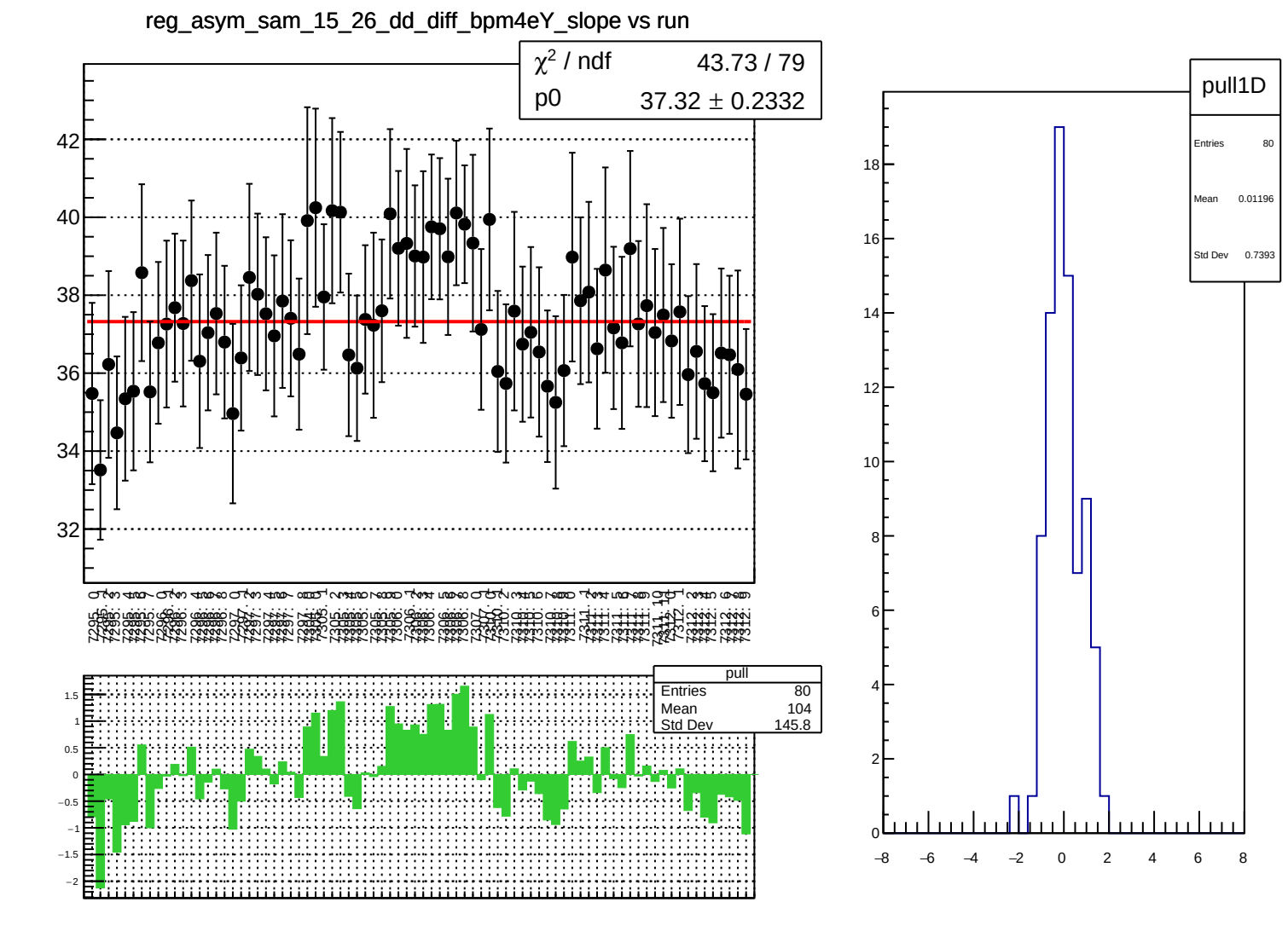

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 117.6 / 79
p0 −3.648 ± 0.235
pull
Entries 80
Mean 167.7
Std Dev 121.7

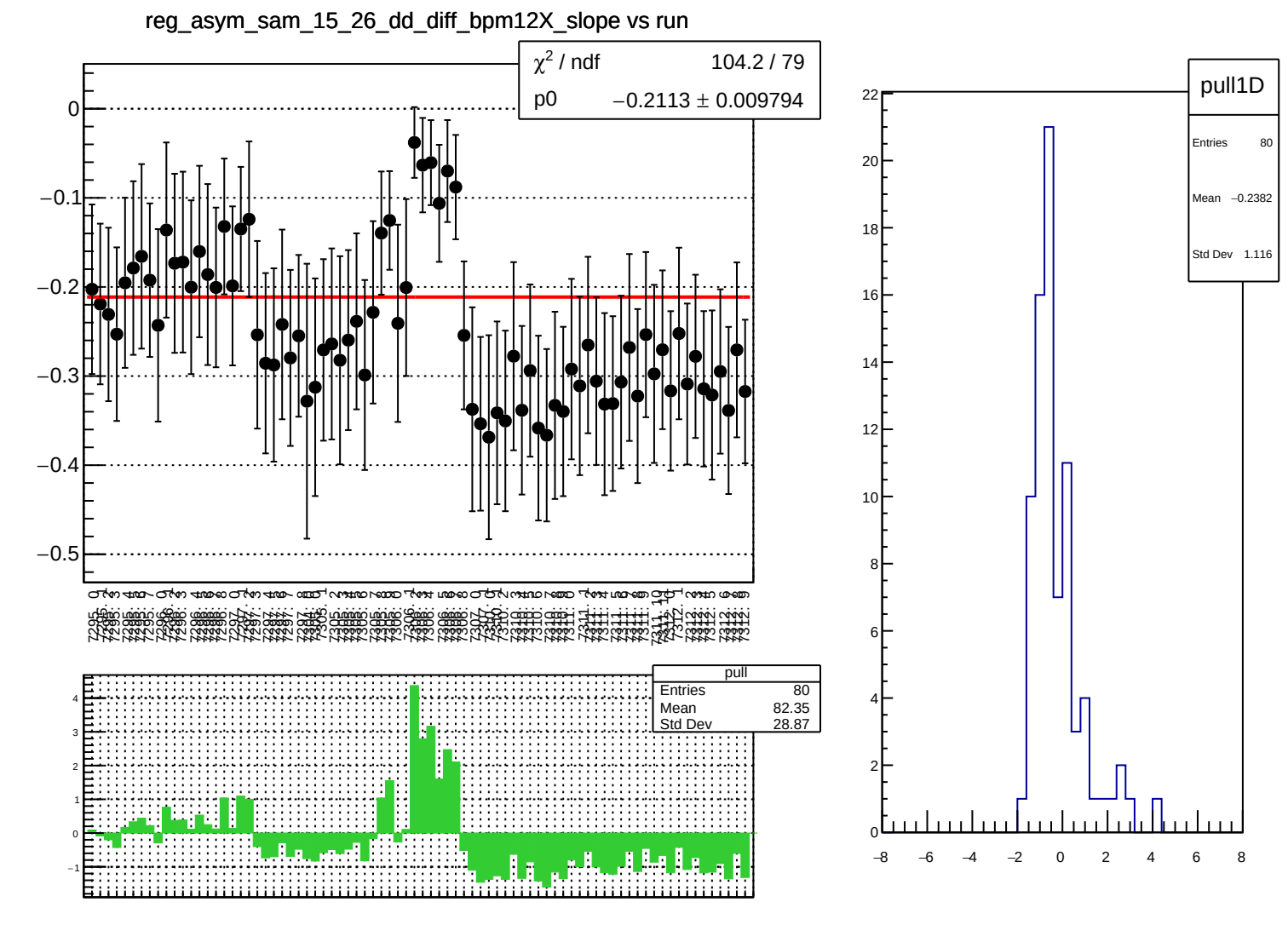

pull1D
Entries 80
Mean 0.1675
Std Dev 1.201

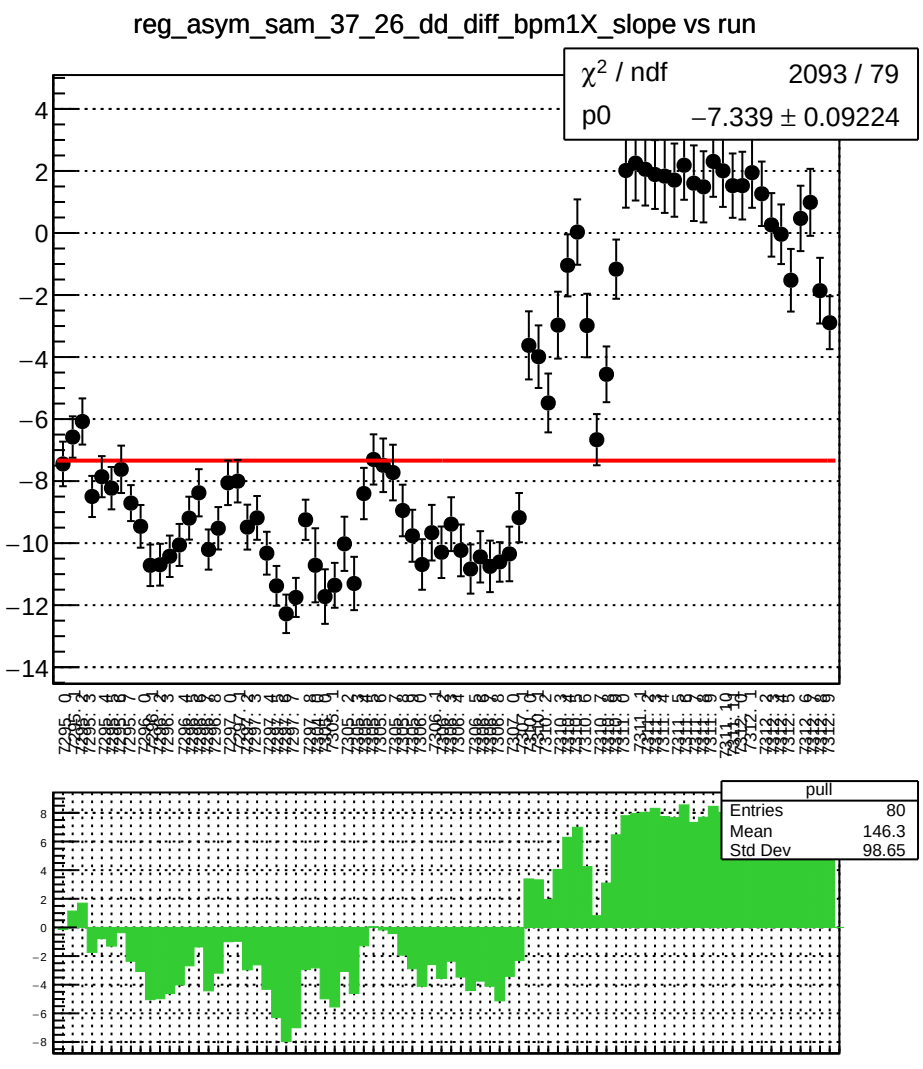

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.41 / 79
p0 −1.864 ± 0.217
pull
Entries 80
Mean −9.391e+04
Std Dev 9.395e+04

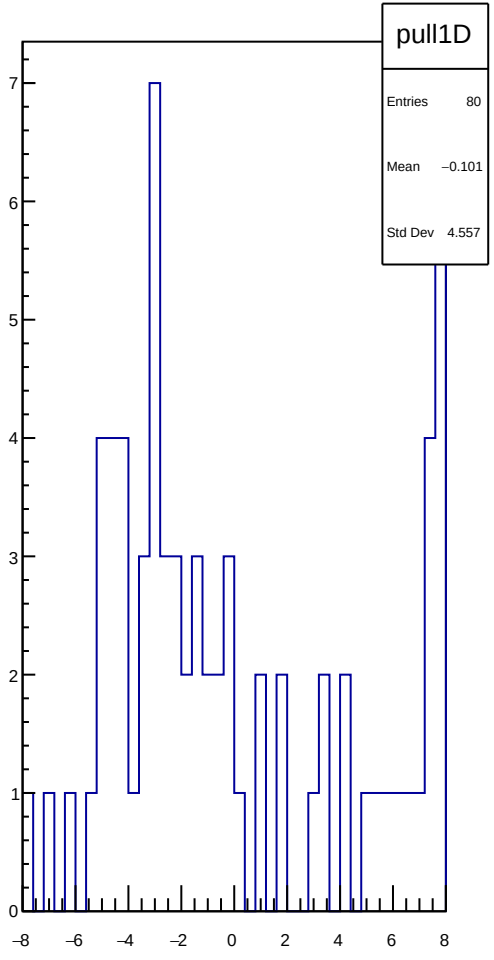

pull1D
Entries 80
Mean 0.0001445
Std Dev 0.7366

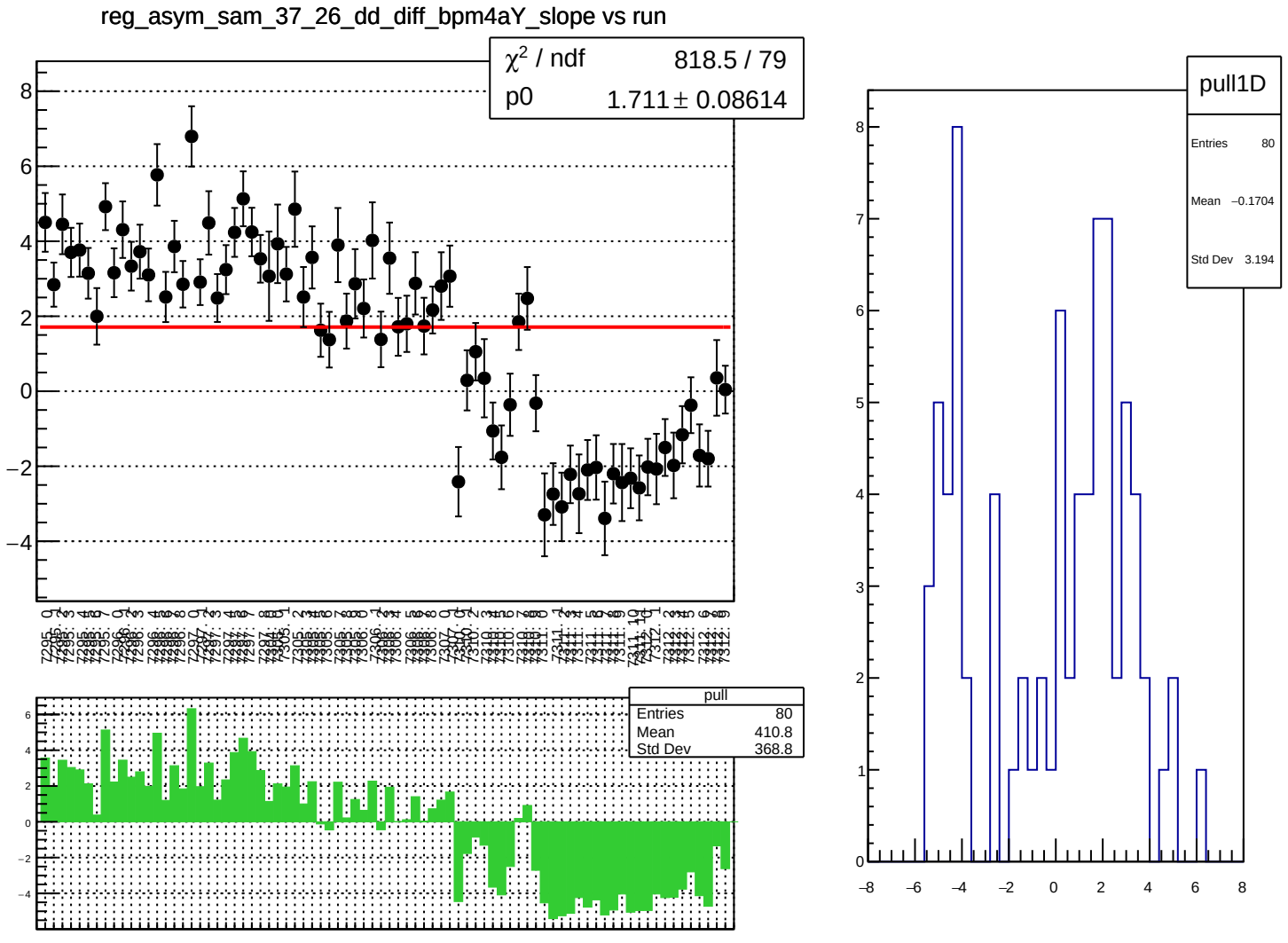

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 205.9 / 79
p0 20.85 ± 0.2327
pull
Entries 80
Mean 170.5
Std Dev 123.3
pull1D
Entries 80
Mean −0.2089
Std Dev 1.591

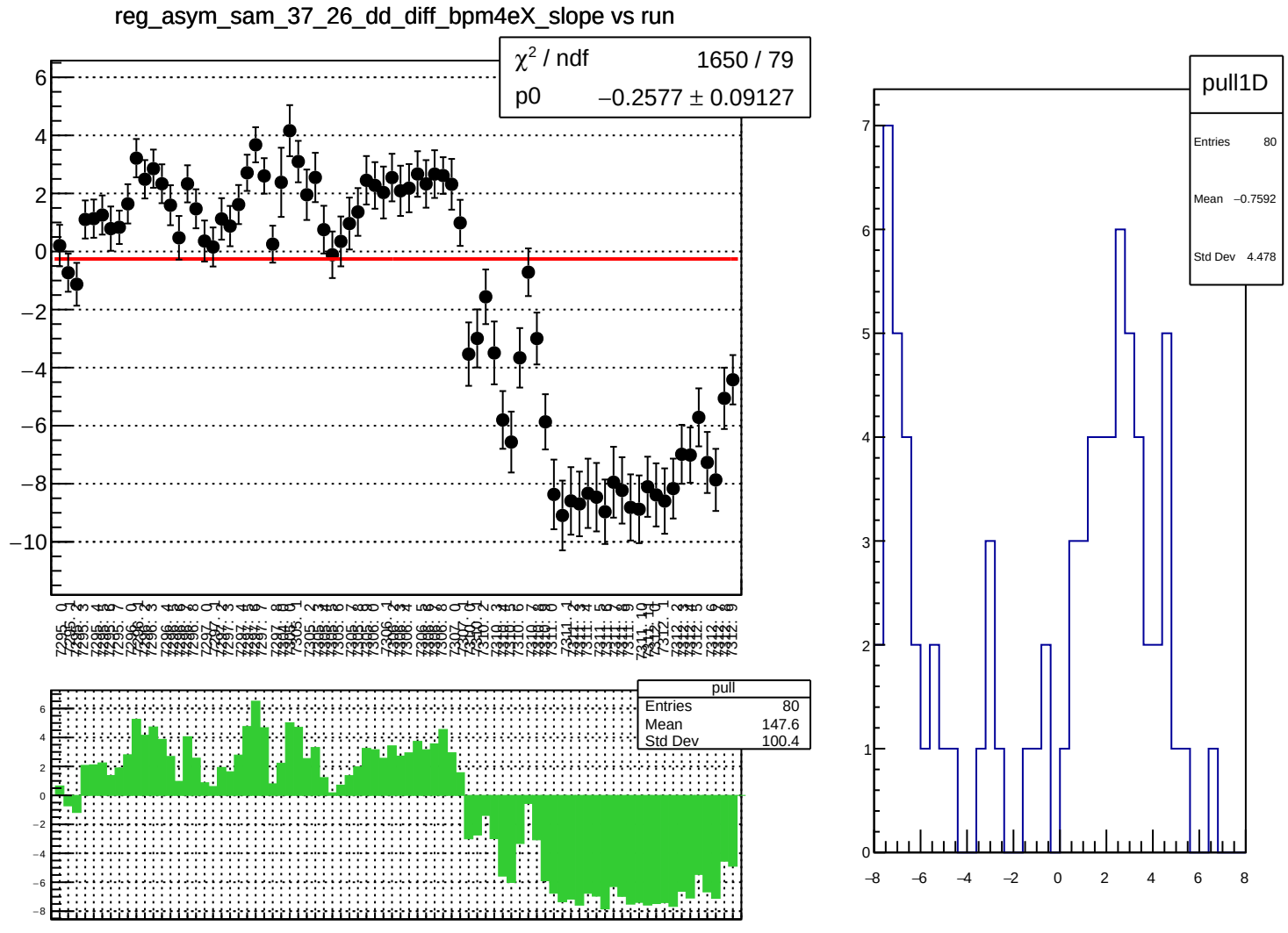

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.73 / 79
p0 37.32 ± 0.2332
pull
Entries 80
Mean 104
Std Dev 145.8
pull1D
Entries 80
Mean 0.01196
Std Dev 0.7393

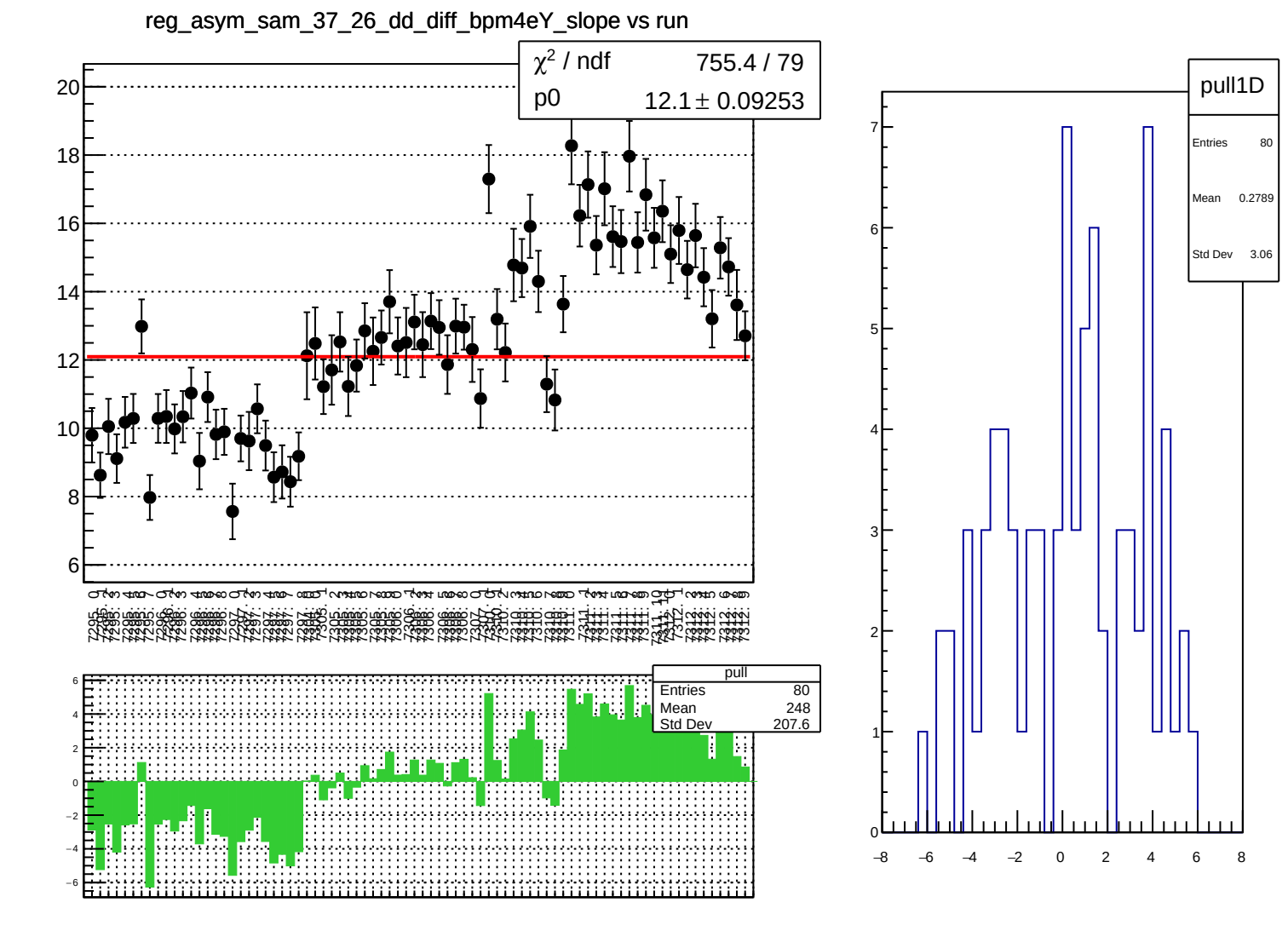

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 104.2 / 79
p0 −0.2113 ± 0.009794
pull
Entries 80
Mean 82.35
Std Dev 28.87
pull1D
Entries 80
Mean −0.2382
Std Dev 1.116

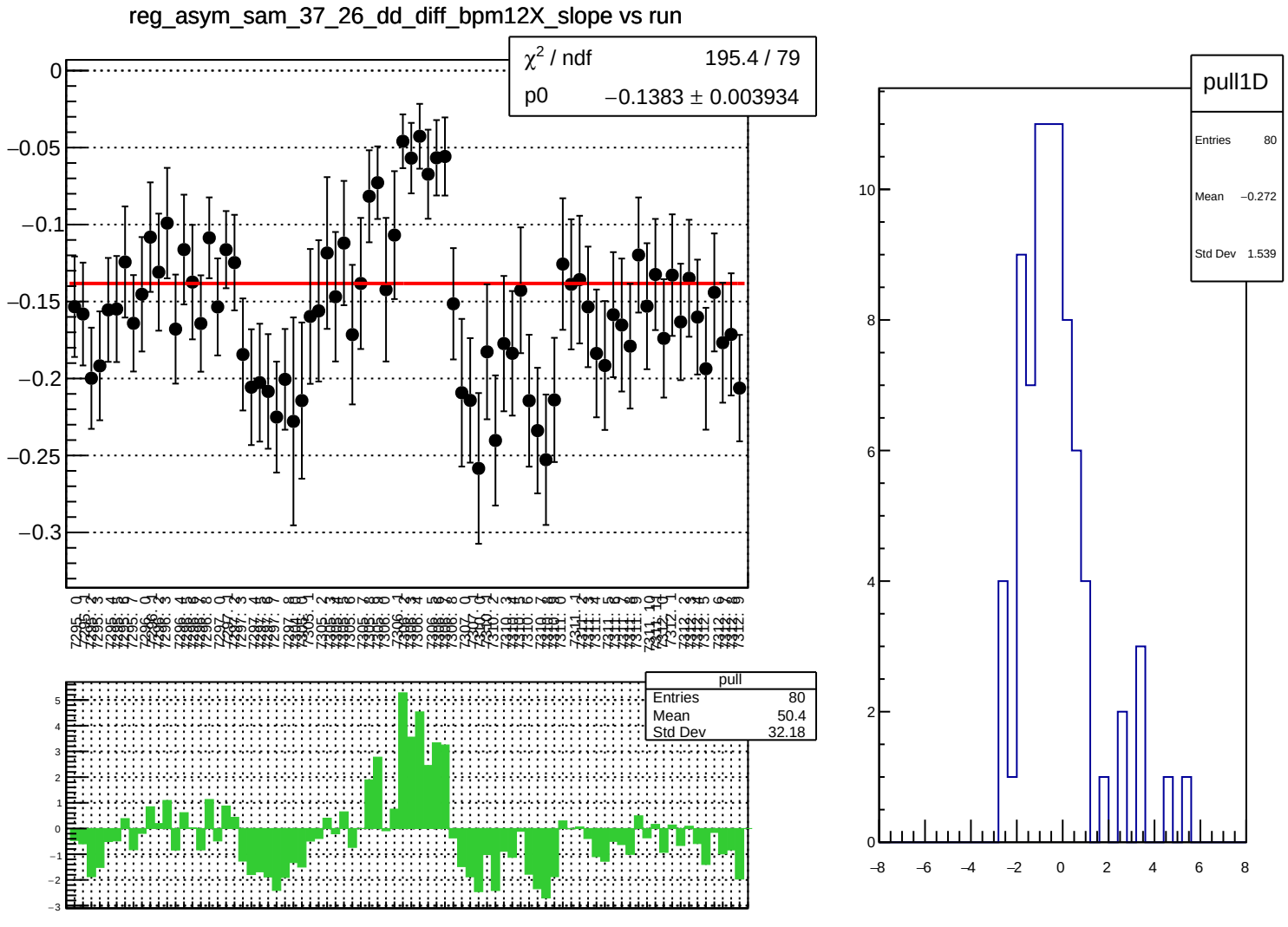

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2093 / 79
p0 −7.339 ± 0.09224
pull
Entries 80
Mean 146.3
Std Dev 98.65

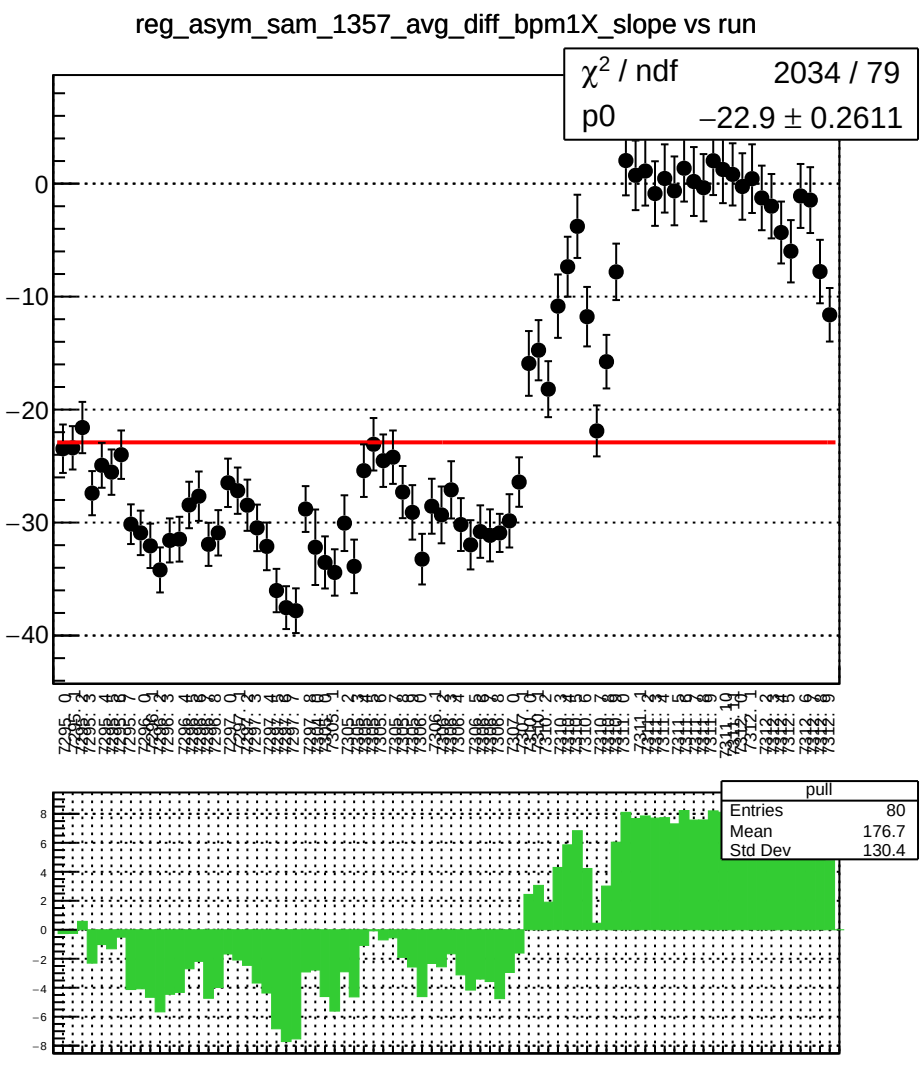

pull1D
Entries 80
Mean −0.101
Std Dev 4.557

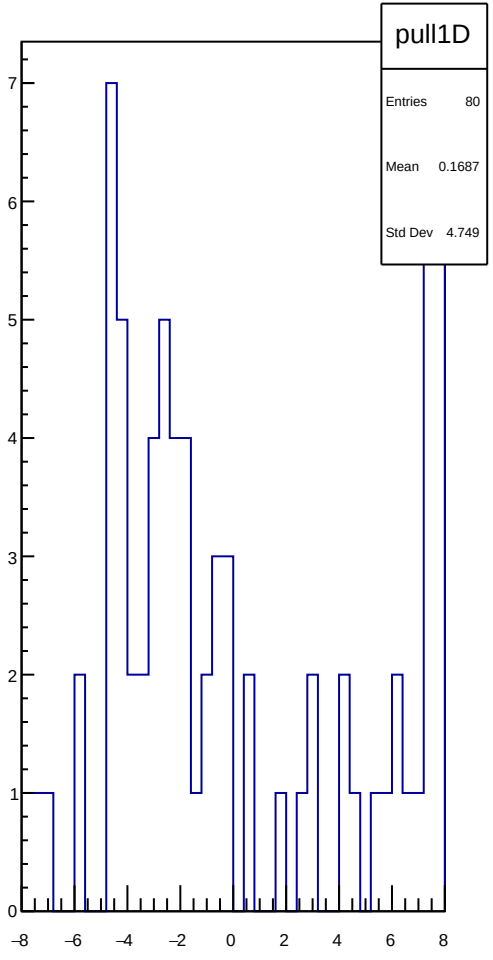

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 818.5 / 79
p0 1.711 ± 0.08614
pull
Entries 80
Mean 410.8
Std Dev 368.8
pull1D
Entries 80
Mean −0.1704
Std Dev 3.194

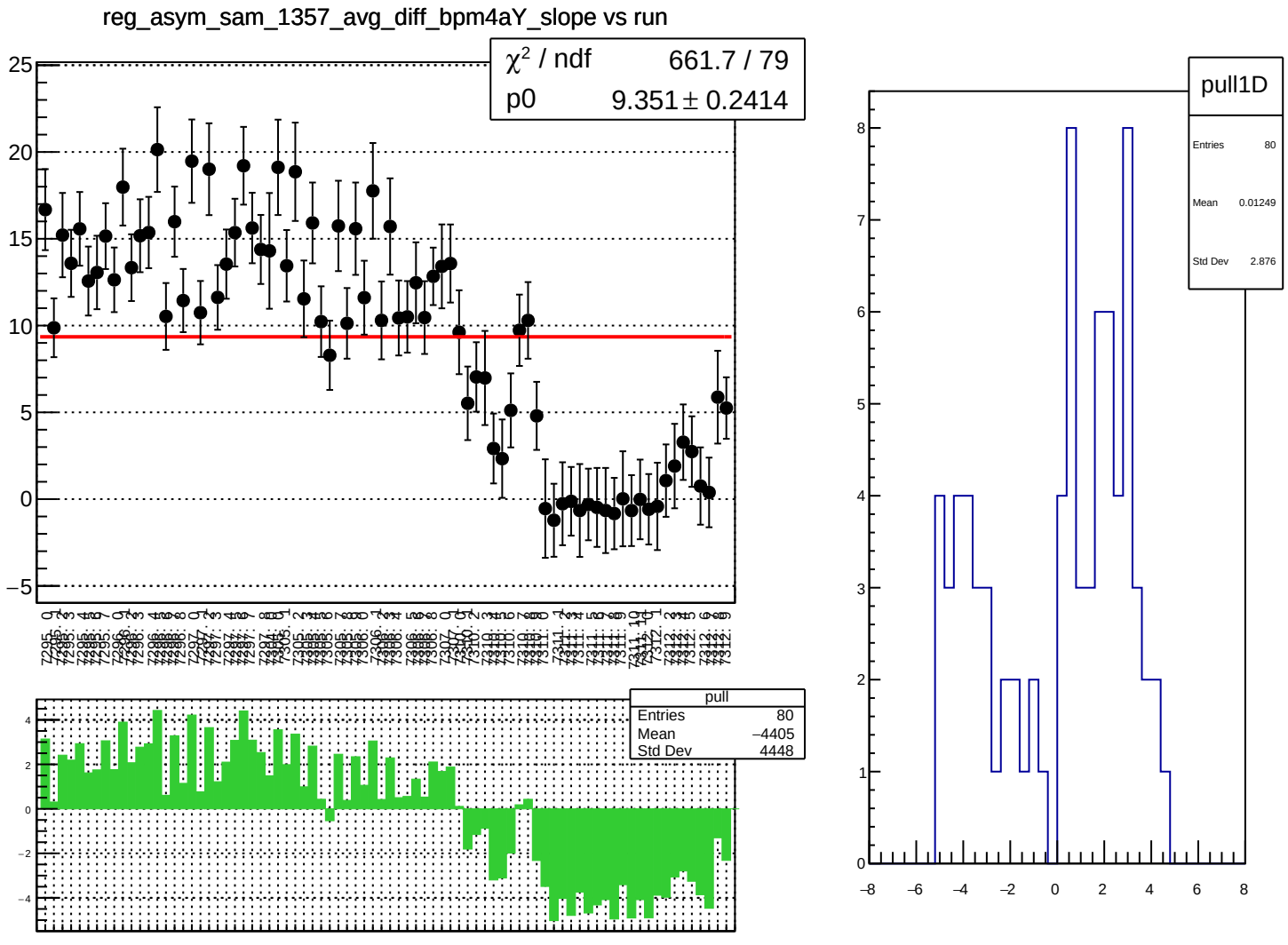

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1650 / 79
p0 −0.2577 ± 0.09127
pull
Entries 80
Mean 147.6
Std Dev 100.4
pull1D
Entries 80
Mean −0.7592
Std Dev 4.478

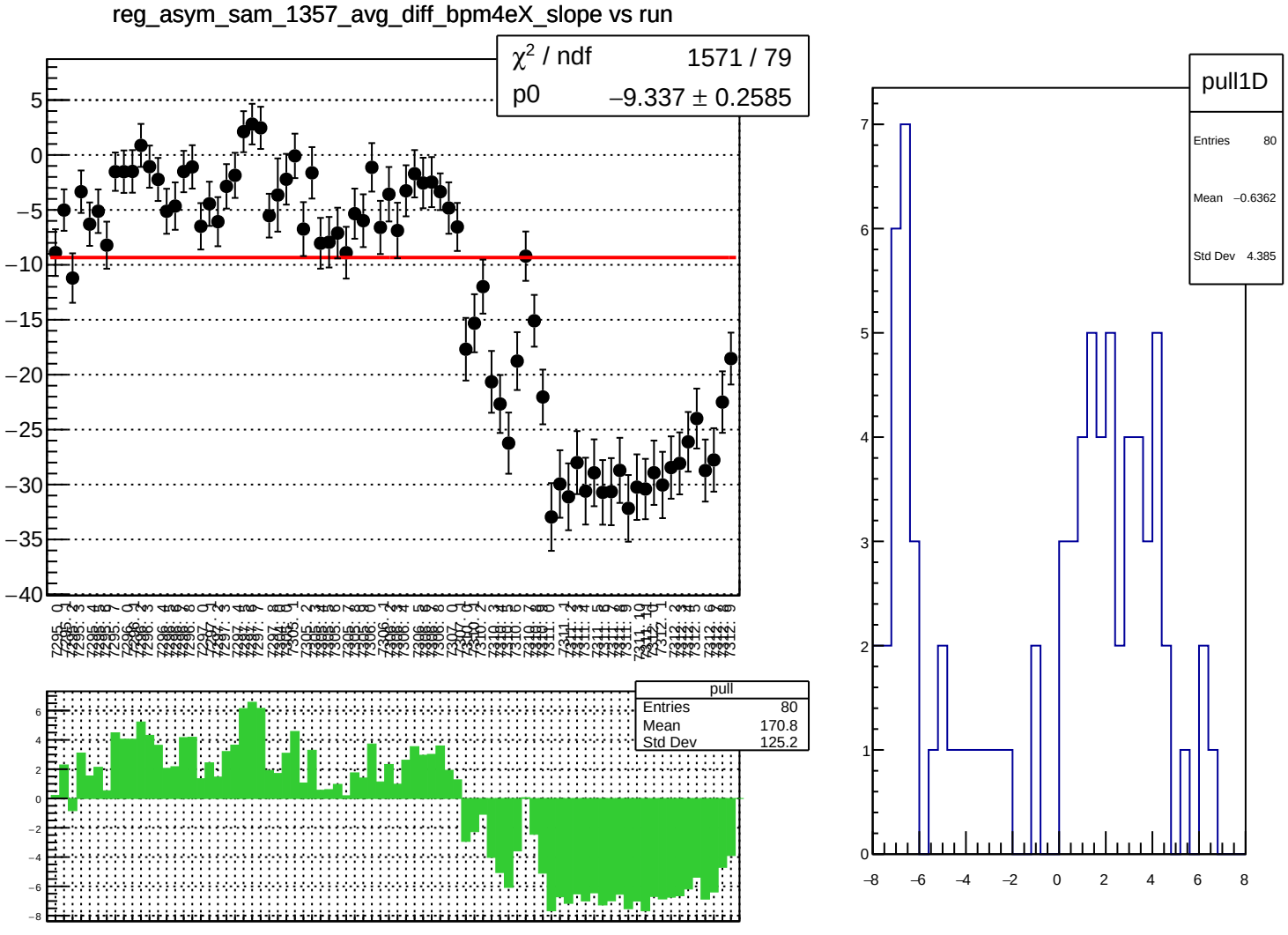

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 755.4 / 79
p0 12.1 ± 0.09253
pull
Entries 80
Mean 248
Std Dev 207.6
pull1D
Entries 80
Mean 0.2789
Std Dev 3.06

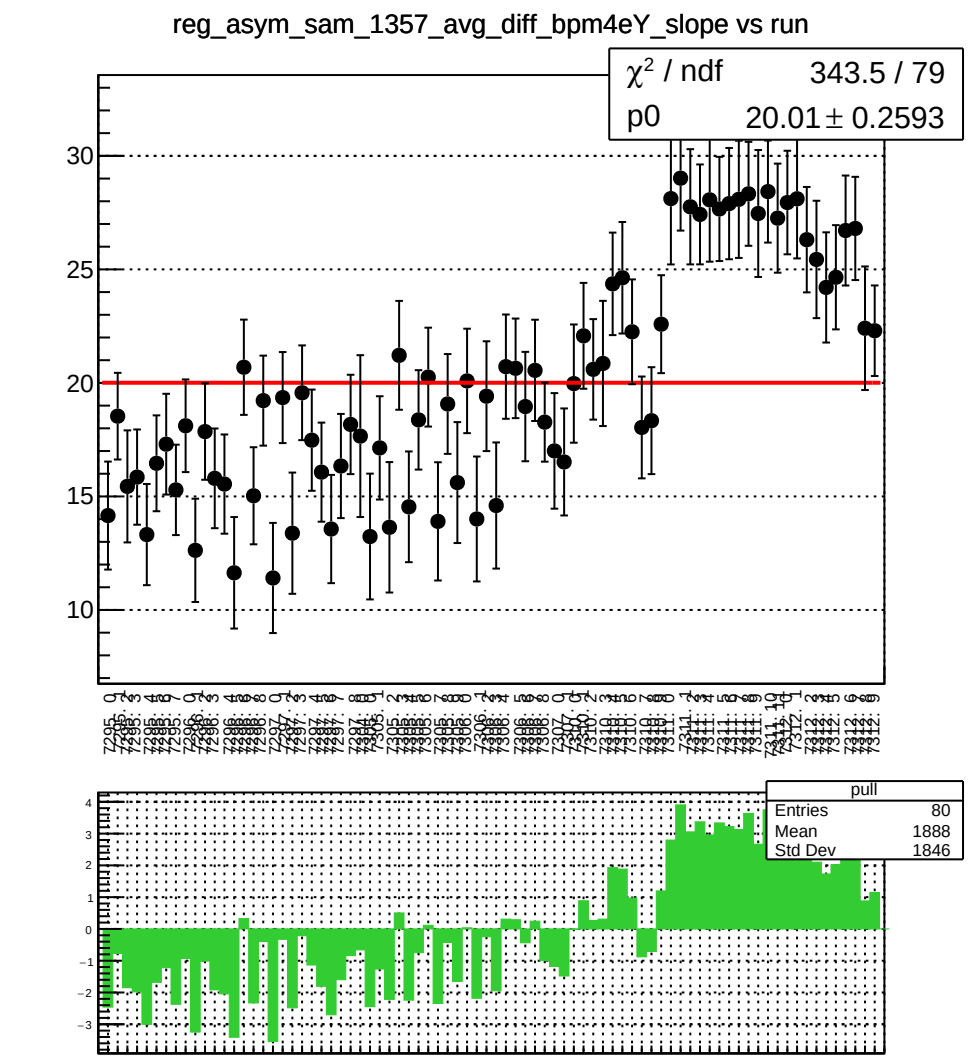

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 195.4 / 79
p0 −0.1383 ± 0.003934
pull
Entries 80
Mean 50.4
Std Dev 32.18
pull1D
Entries 80
Mean −0.272
Std Dev 1.539

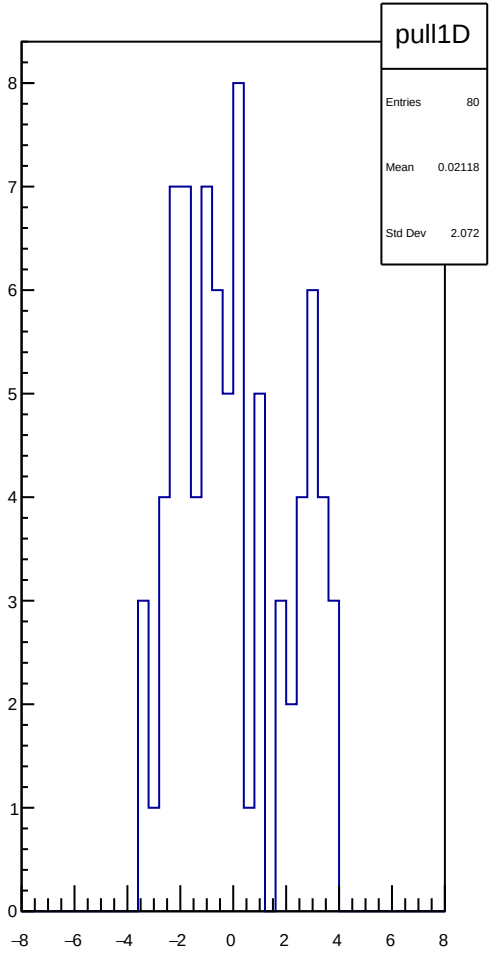

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 2034 / 79
p0 −22.9 ± 0.2611
pull
Entries 80
Mean 176.7
Std Dev 130.4

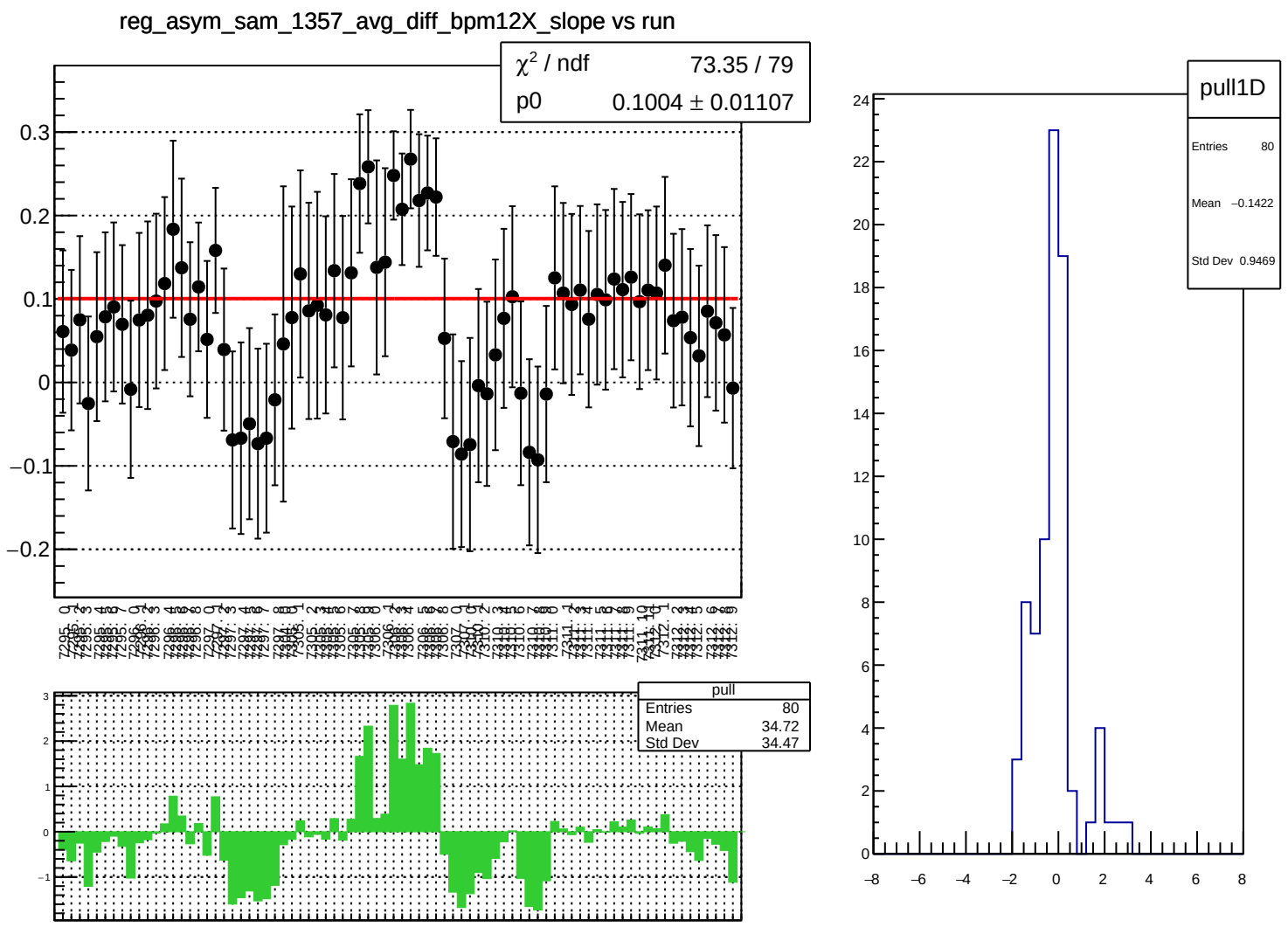

pull1D
Entries 80
Mean 0.1687
Std Dev 4.749

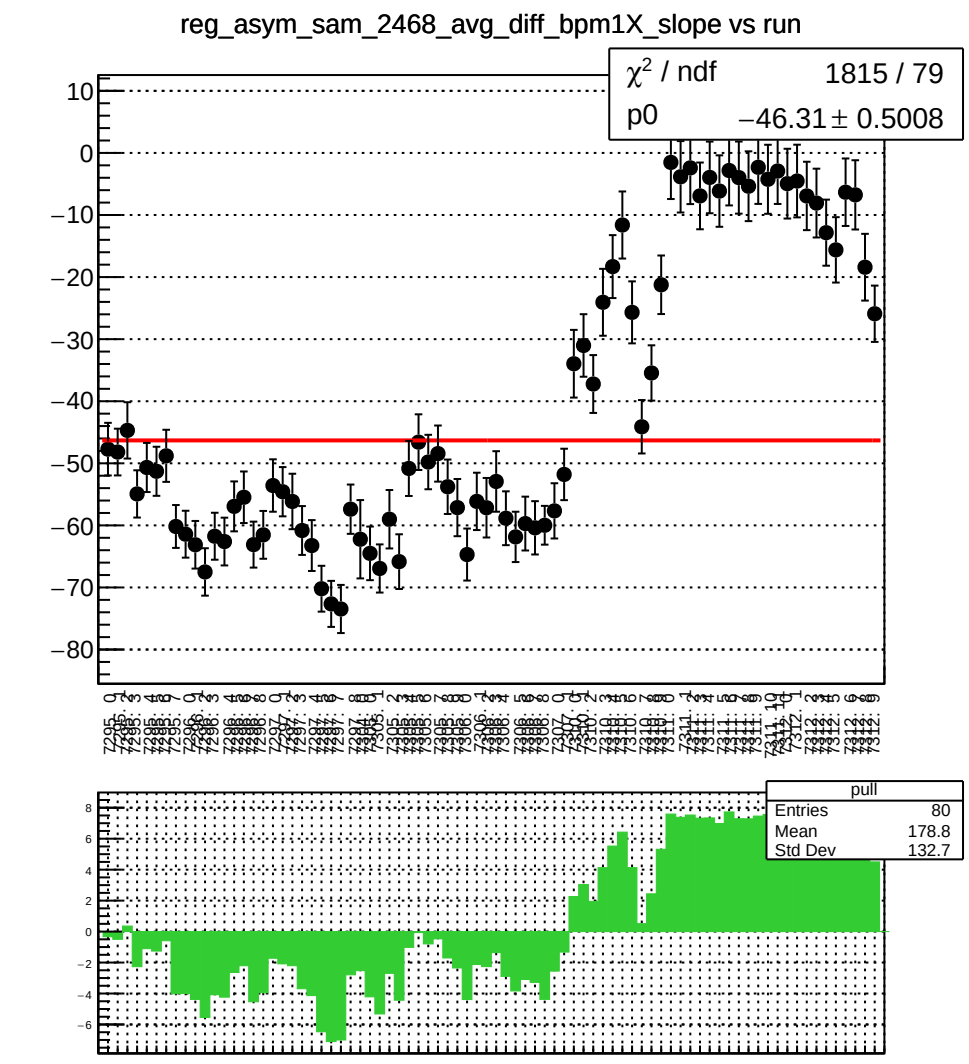

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 661.7 / 79
p0 9.351 ± 0.2414
pull
Entries 80
Mean −4405
Std Dev 4448
pull1D
Entries 80
Mean 0.01249
Std Dev 2.876

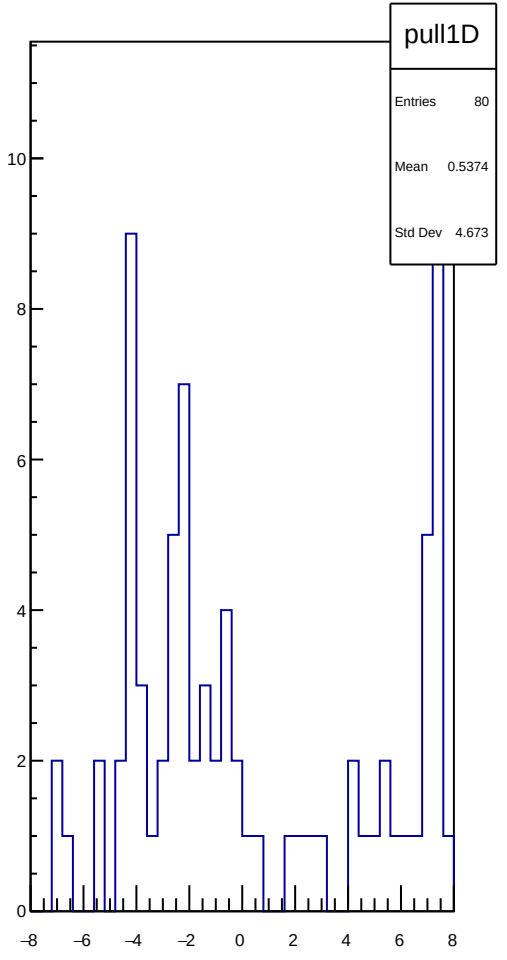

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1571 / 79
p0 −9.337 ± 0.2585
pull
Entries 80
Mean 170.8
Std Dev 125.2
pull1D
Entries 80
Mean −0.6362
Std Dev 4.385

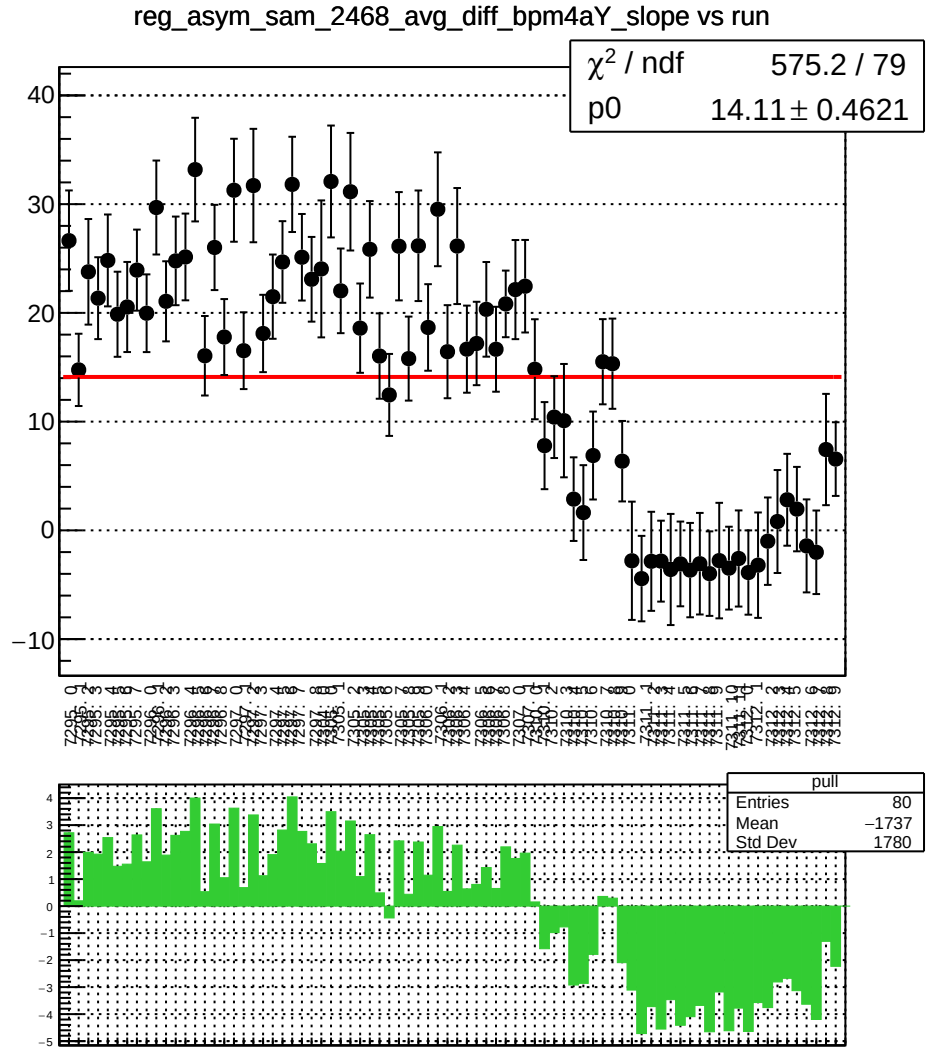

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 343.5 / 79
p0 20.01 ± 0.2593
pull
Entries 80
Mean 1888
Std Dev 1846

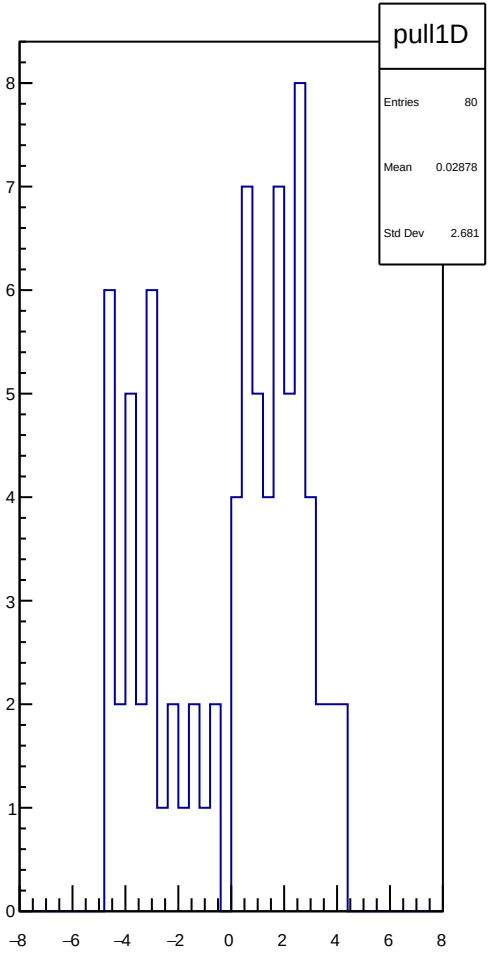

pull1D
Entries 80
Mean 0.02118
Std Dev 2.072

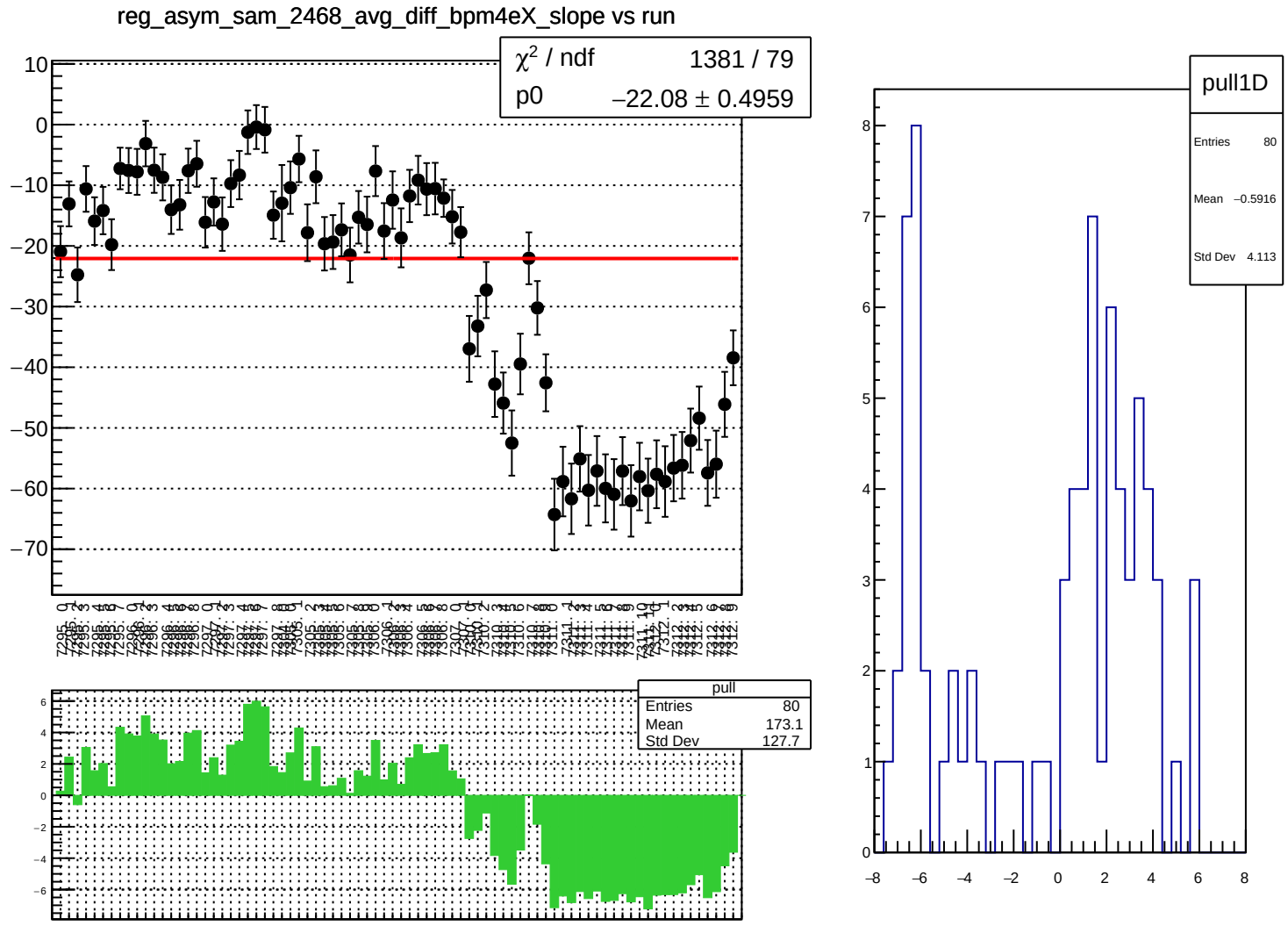

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 73.35 / 79
p0 0.1004 ± 0.01107
pull
Entries 80
Mean 34.72
Std Dev 34.47
pull1D
Entries 80
Mean −0.1422
Std Dev 0.9469

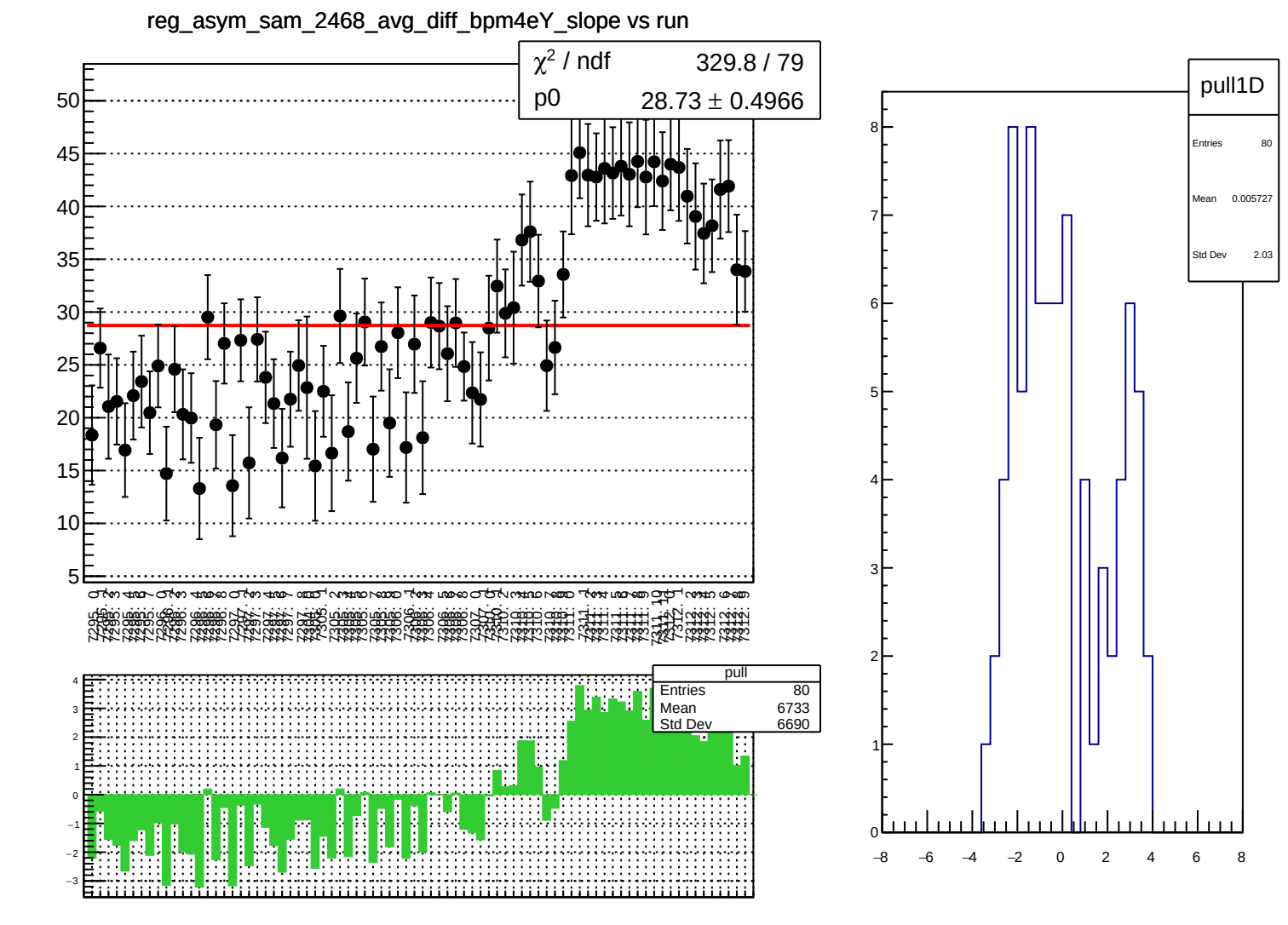

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1815 / 79
p0 −46.31 ± 0.5008
pull
Entries 80
Mean 178.8
Std Dev 132.7

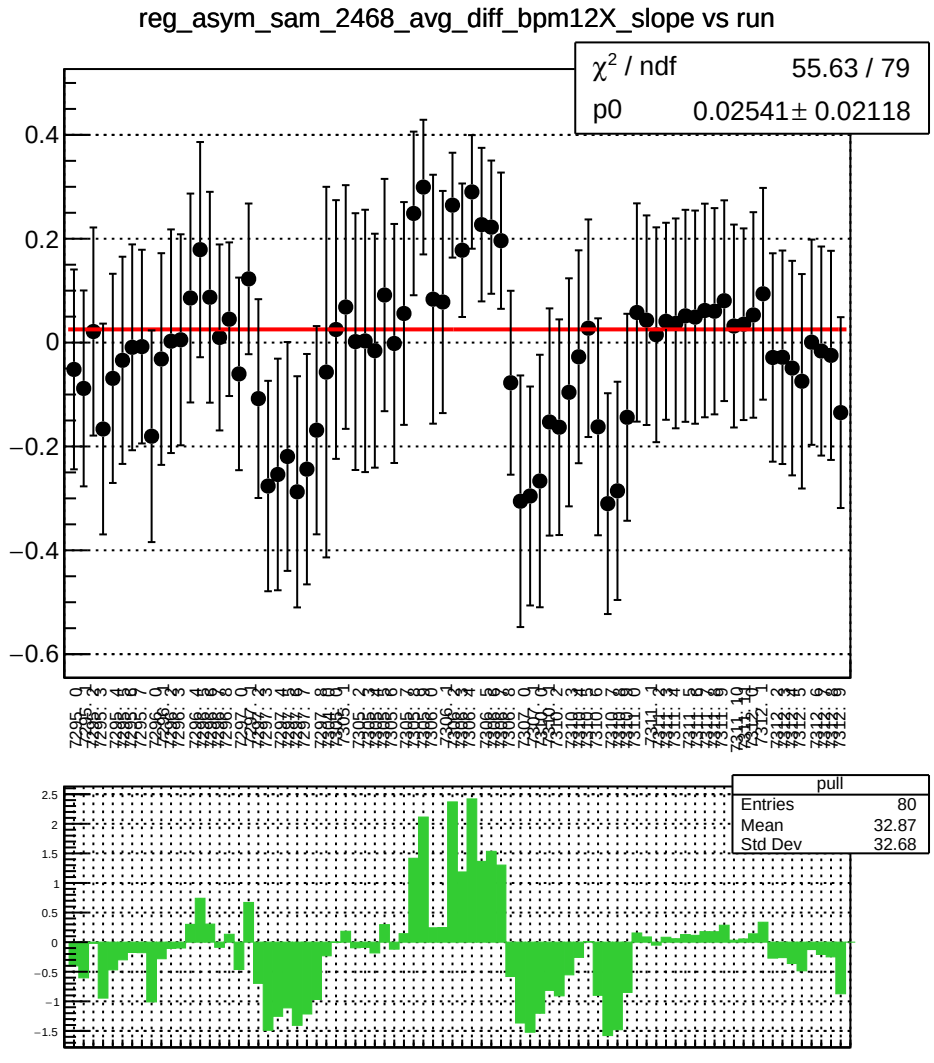

pull1D
Entries 80
Mean 0.5374
Std Dev 4.673

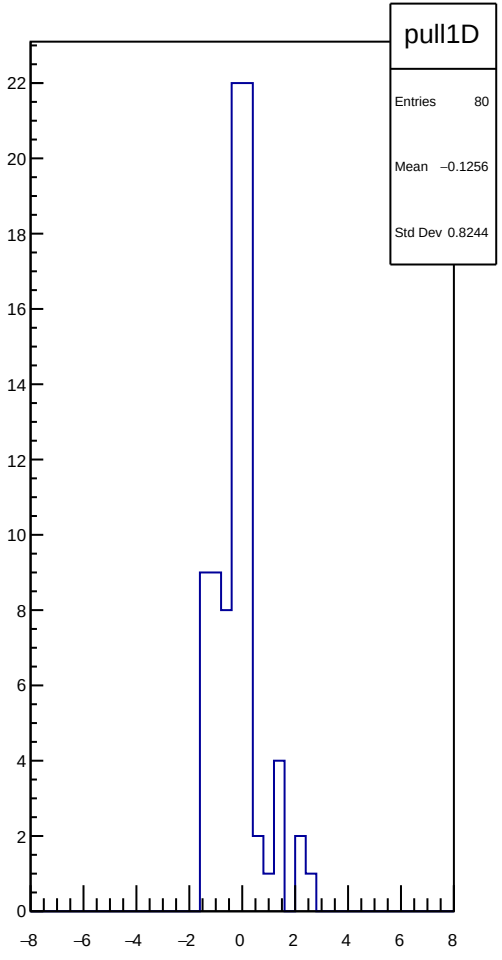

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 575.2 / 79
p0 14.11 ± 0.4621
pull
Entries 80
Mean −1737
Std Dev 1780

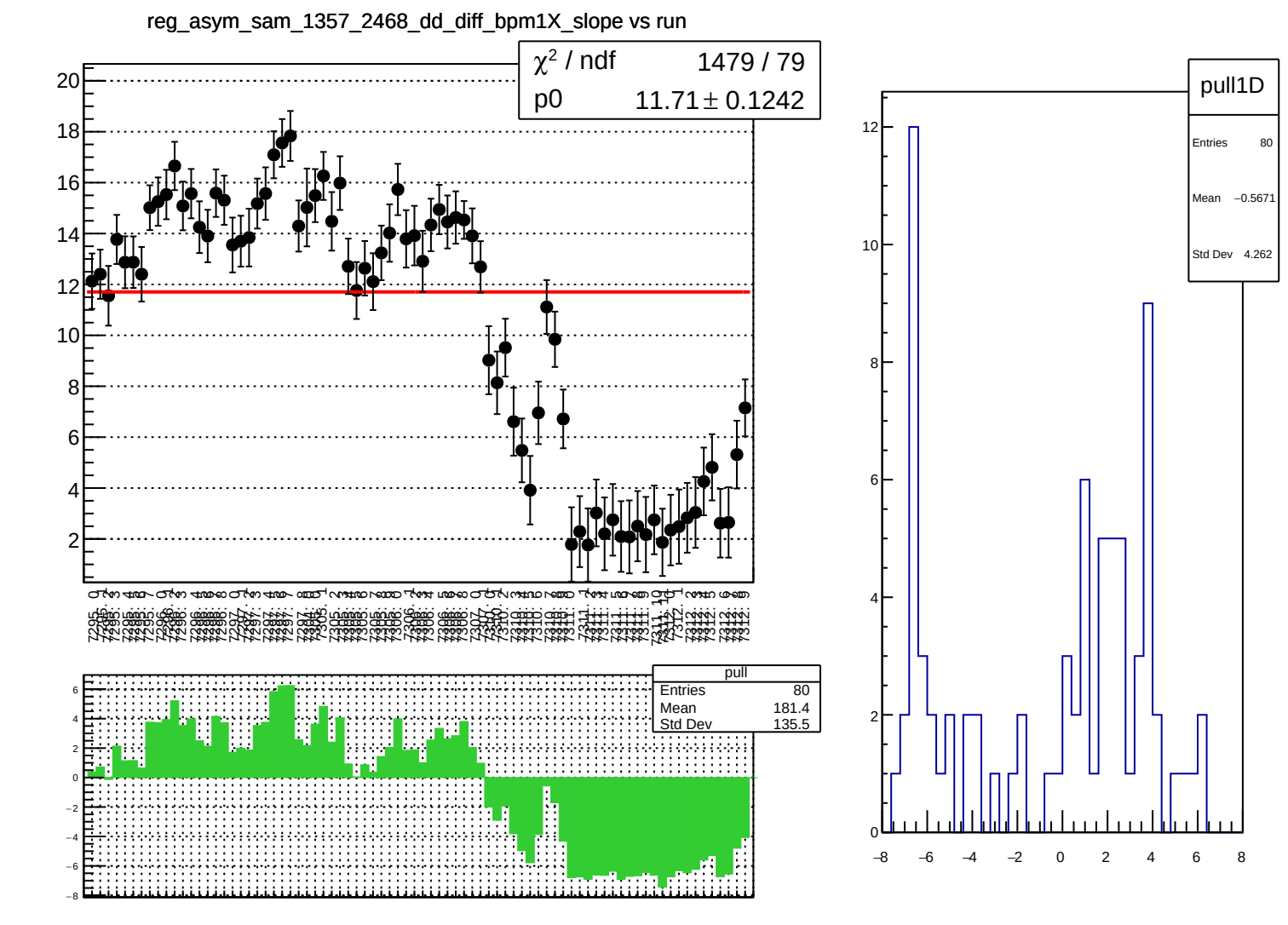

pull1D
Entries 80
Mean 0.02878
Std Dev 2.681

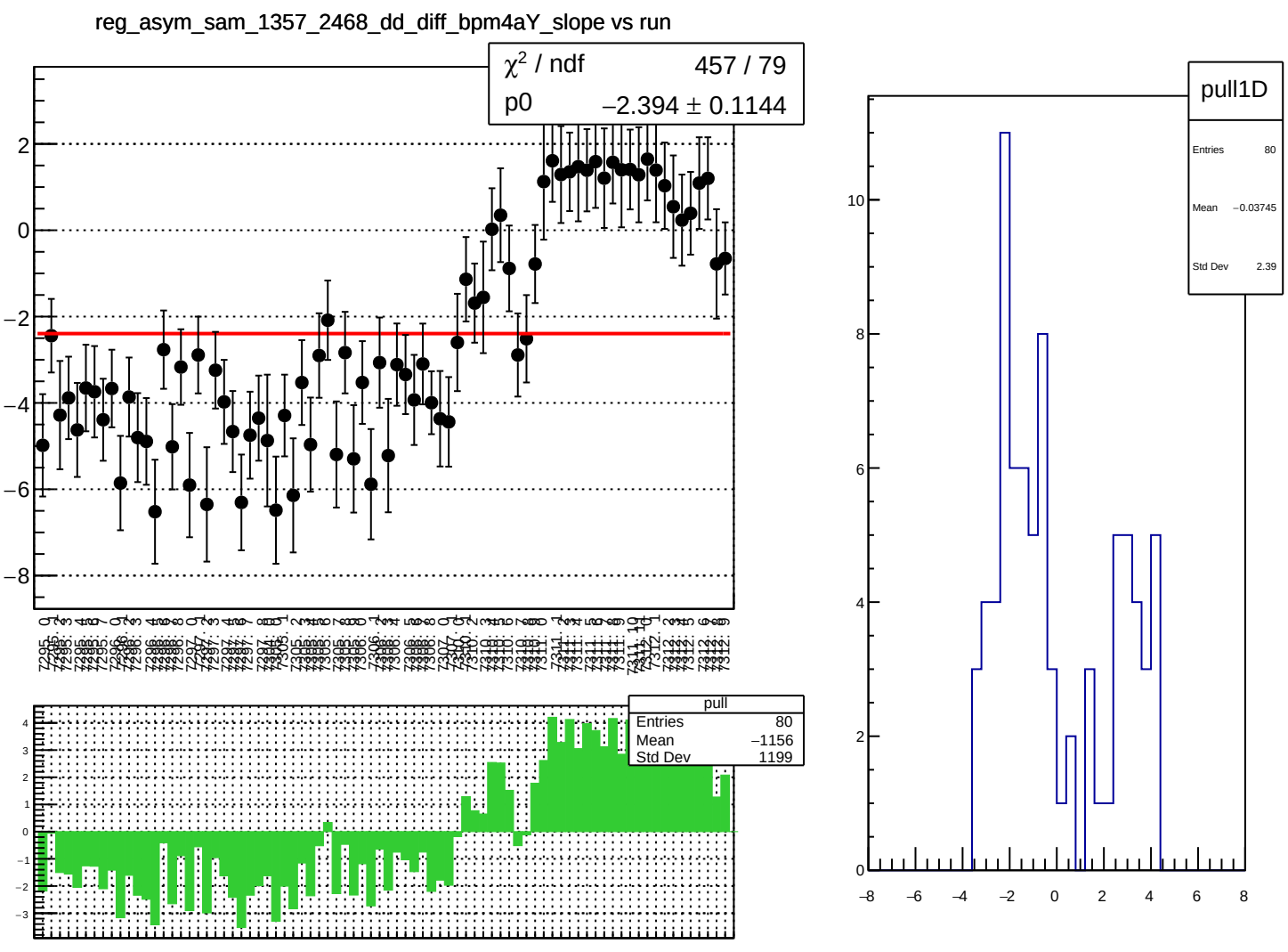

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1381 / 79
p0 −22.08 ± 0.4959
pull
Entries 80
Mean 173.1
Std Dev 127.7
pull1D
Entries 80
Mean −0.5916
Std Dev 4.113

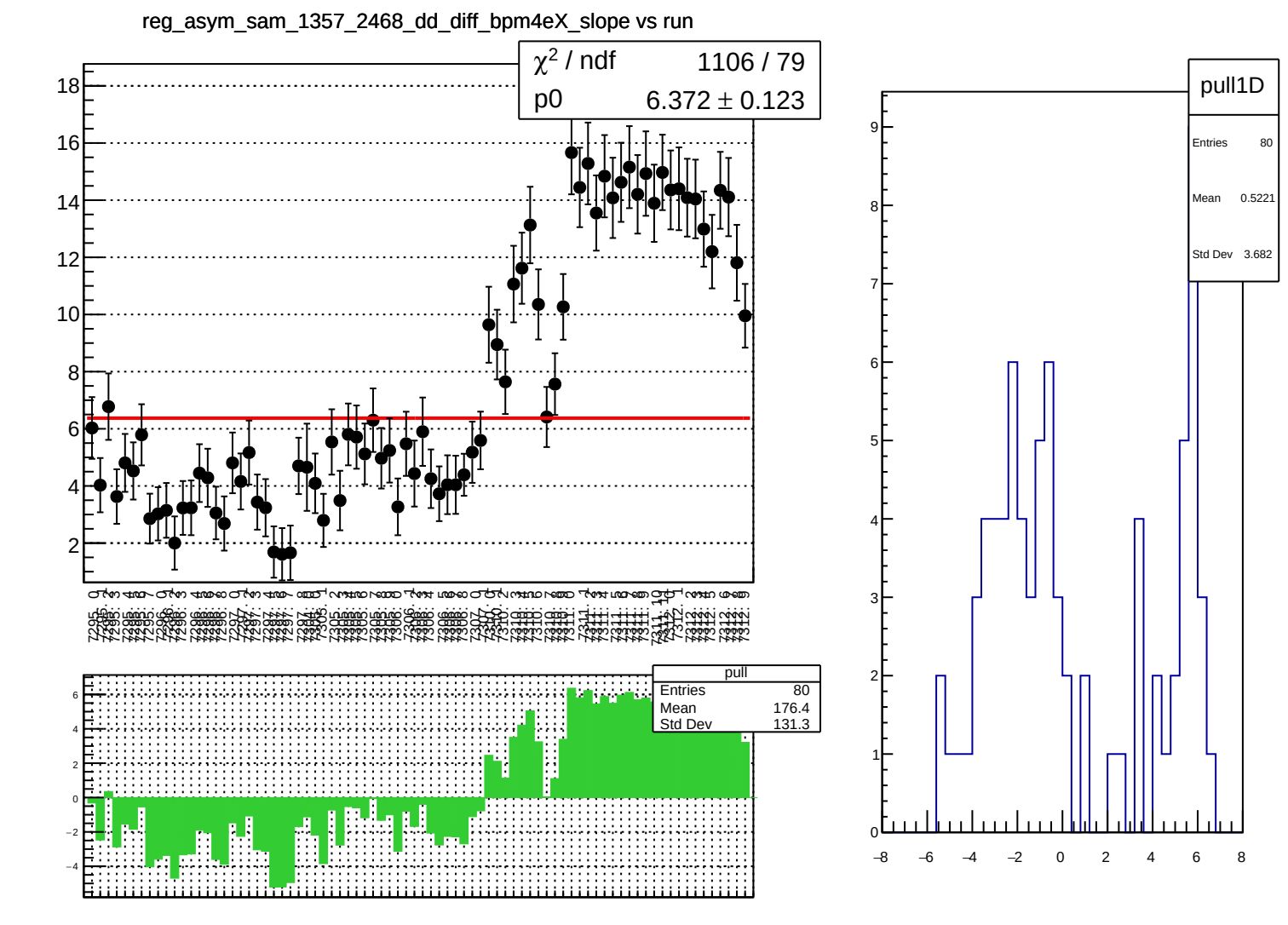

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 329.8 / 79
p0 28.73 ± 0.4966
pull
Entries 80
Mean 6733
Std Dev 6690
pull1D
Entries 80
Mean 0.005727
Std Dev 2.03

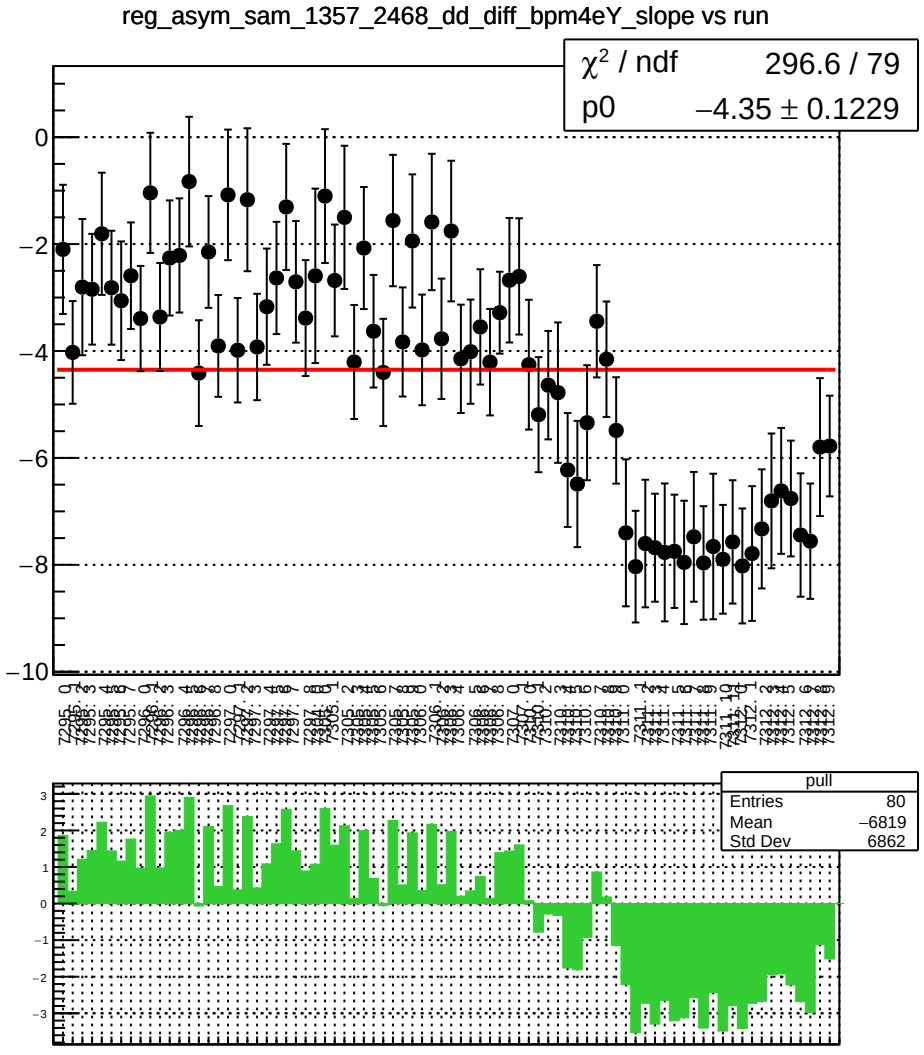

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 55.63 / 79
p0 0.02541 ± 0.02118
pull
Entries 80
Mean 32.87
Std Dev 32.68

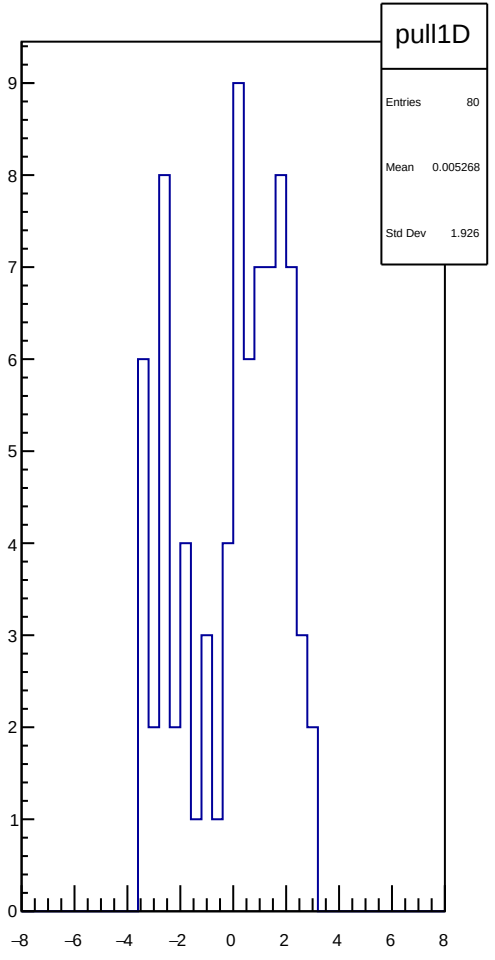

pull1D
Entries 80
Mean −0.1256
Std Dev 0.8244

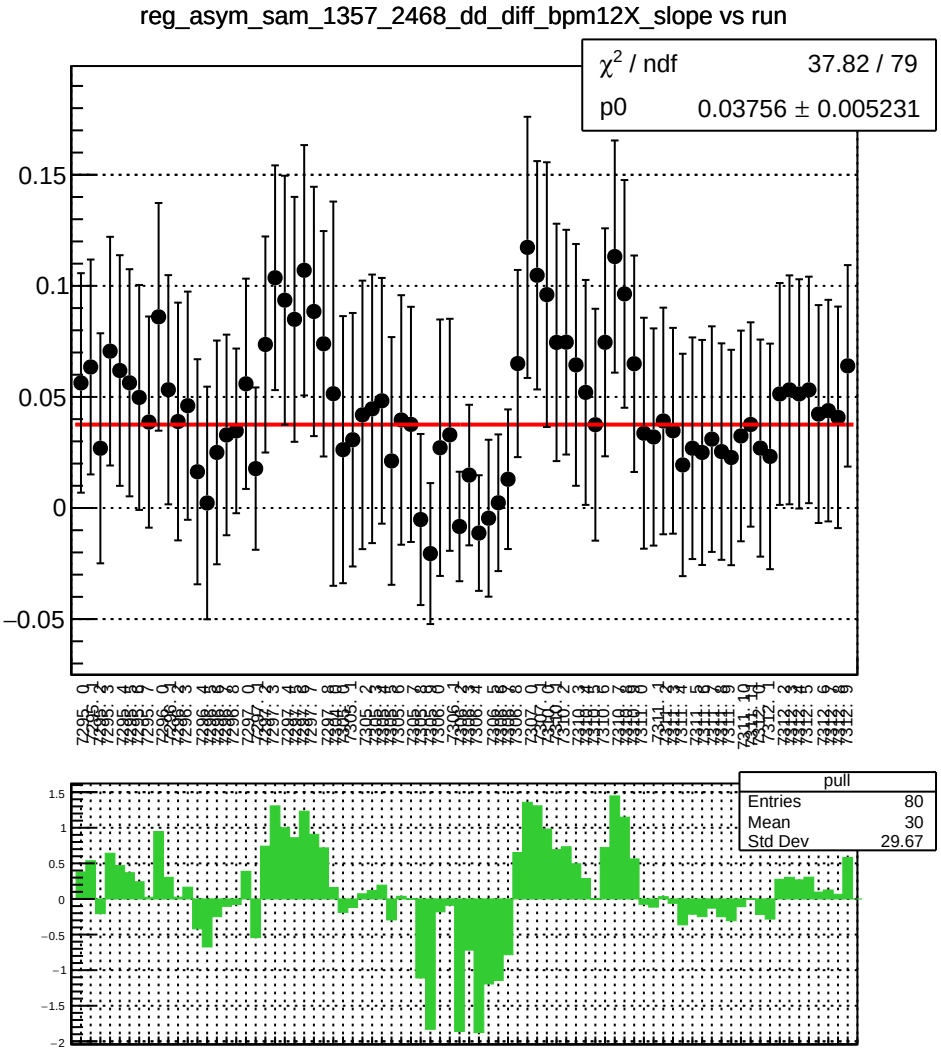

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1479 / 79
p0 11.71 ± 0.1242
pull
Entries 80
Mean 181.4
Std Dev 135.5
pull1D
Entries 80
Mean −0.5671
Std Dev 4.262

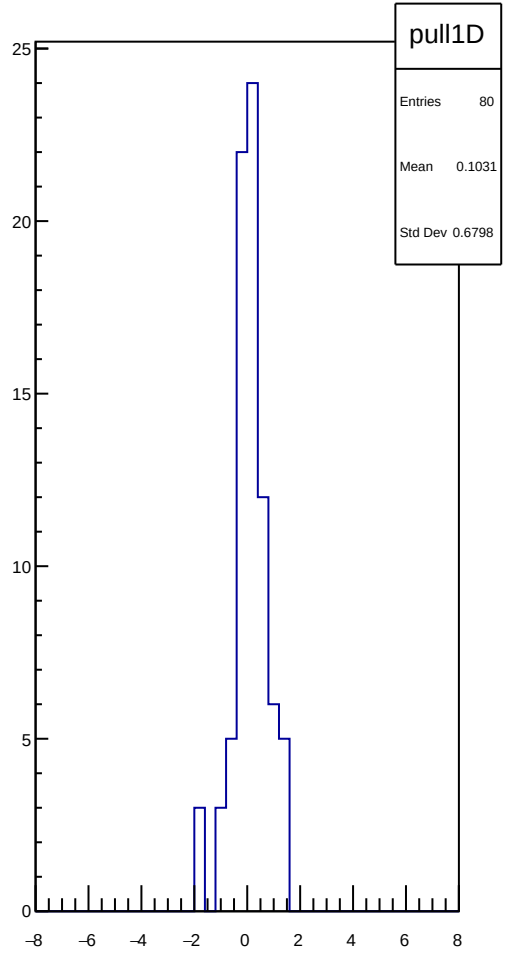

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 457 / 79
p0 −2.394 ± 0.1144
pull
Entries 80
Mean −1156
Std Dev 1199
pull1D
Entries 80
Mean −0.03745
Std Dev 2.39

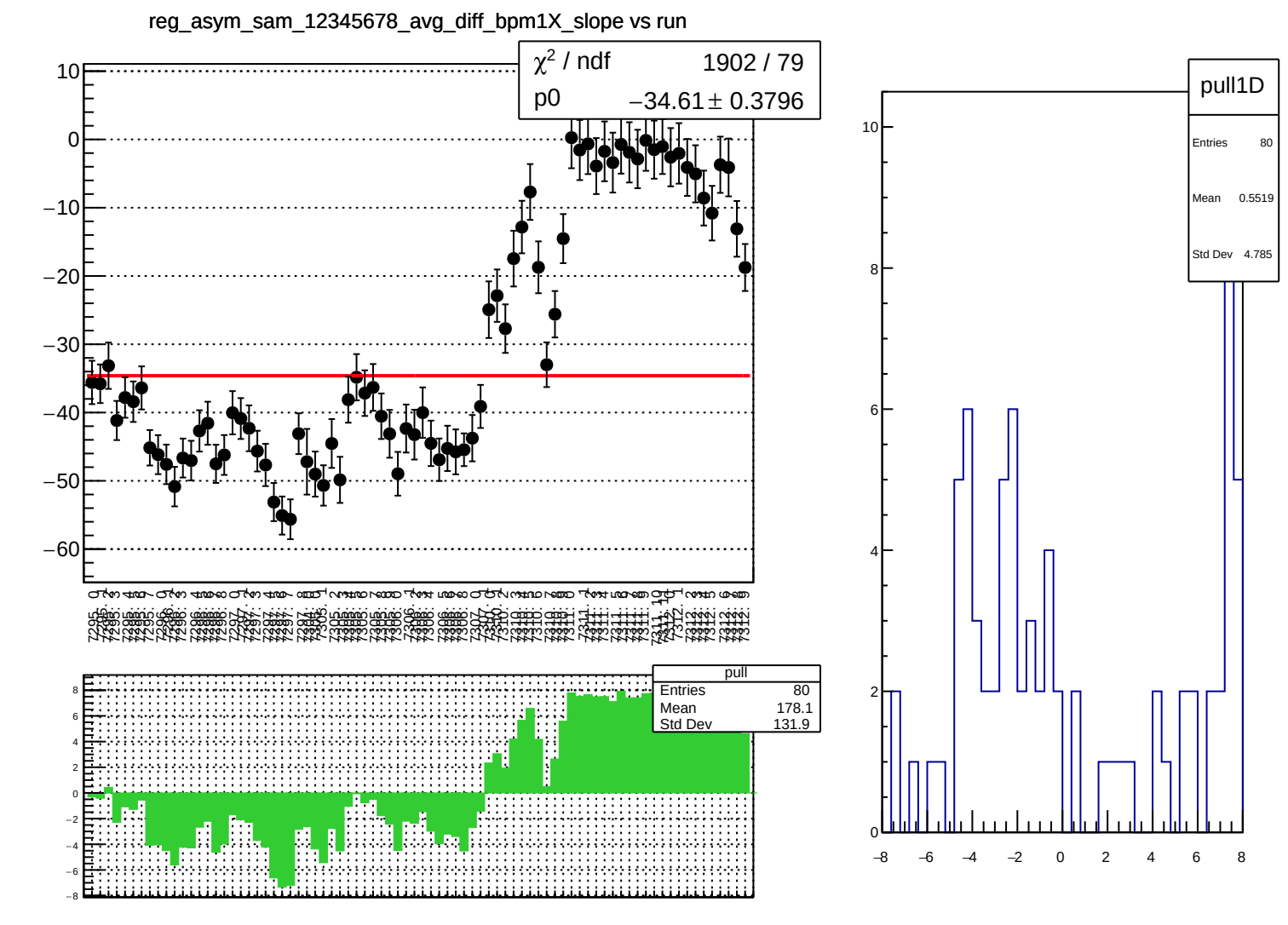

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1106 / 79
p0 6.372 ± 0.123
pull
Entries 80
Mean 176.4
Std Dev 131.3
pull1D
Entries 80
Mean 0.5221
Std Dev 3.682

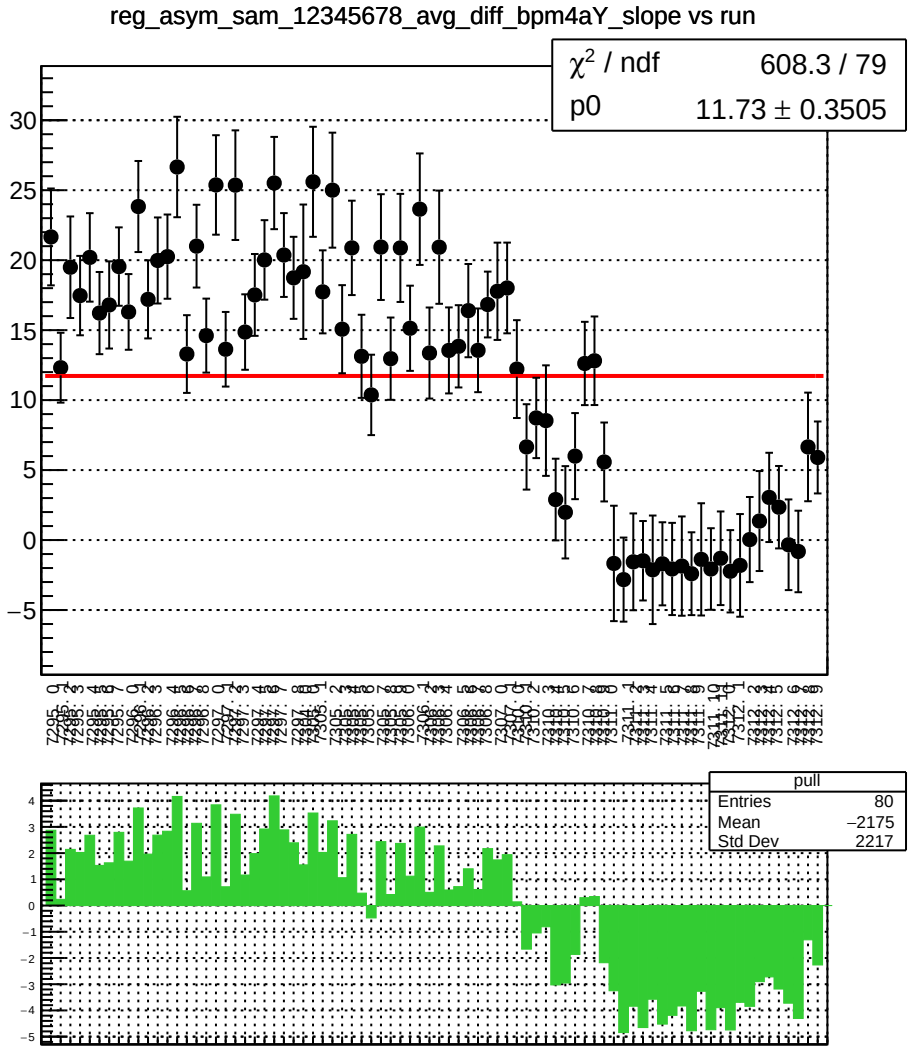

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 296.6 / 79
p0 −4.35 ± 0.1229
pull
Entries 80
Mean −6819
Std Dev 6862

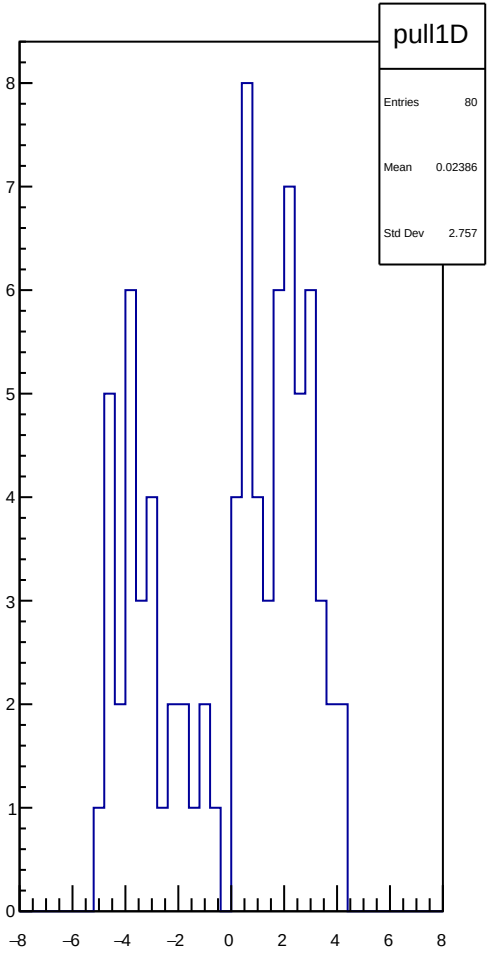

pull1D
Entries 80
Mean 0.005268
Std Dev 1.926

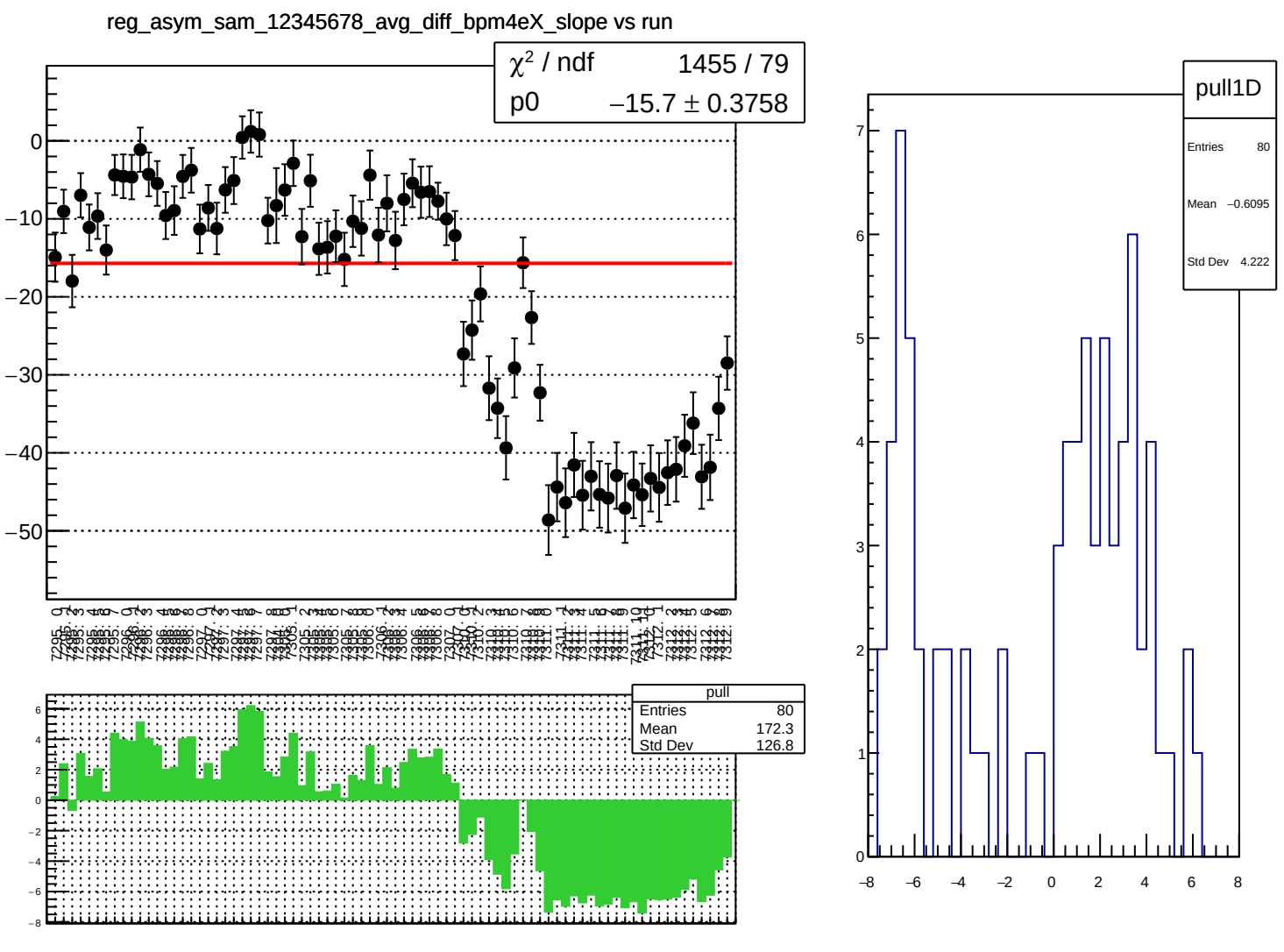

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 37.82 / 79
p0 0.03756 ± 0.005231
pull
Entries 80
Mean 30
Std Dev 29.67

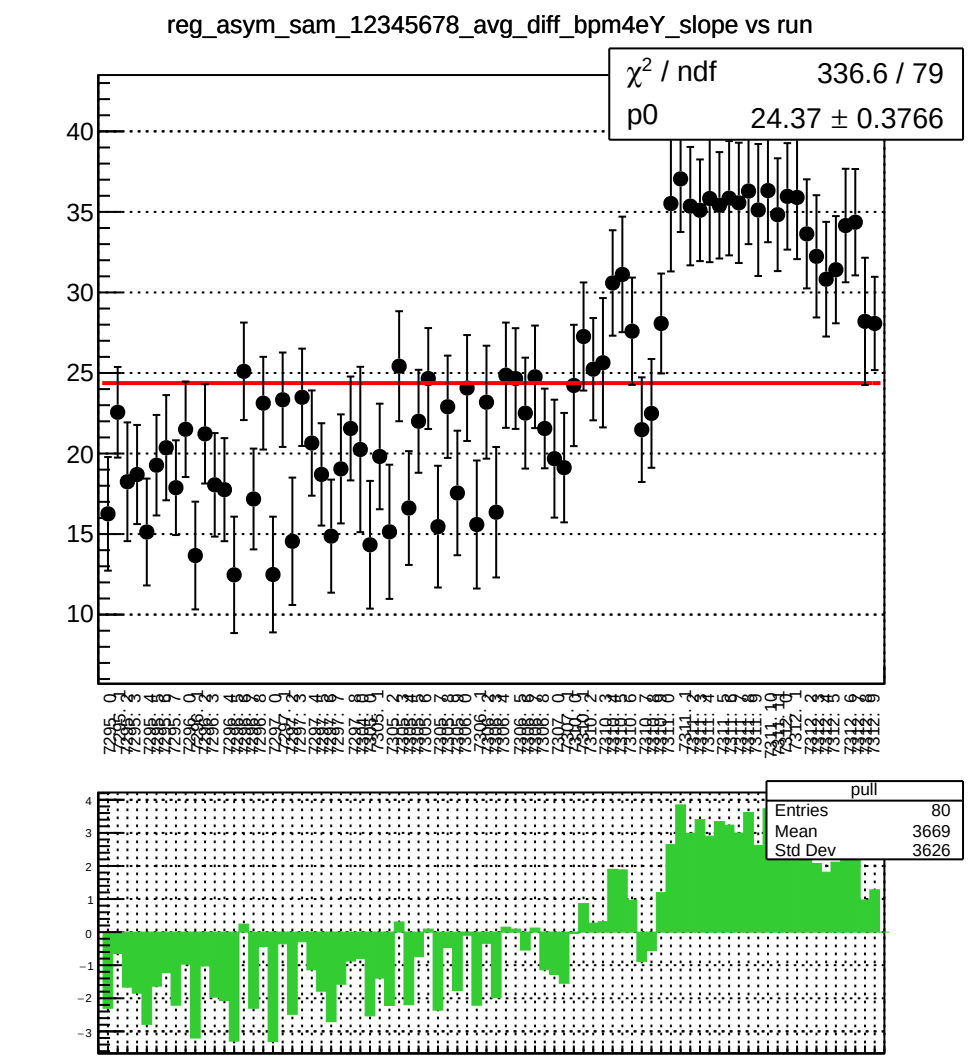

pull1D
Entries 80
Mean 0.1031
Std Dev 0.6798

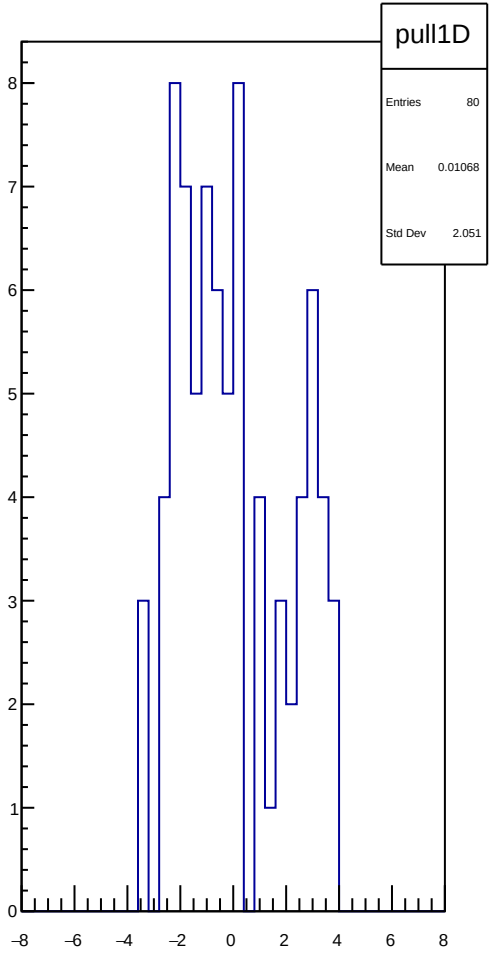

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1902 / 79
p0 −34.61 ± 0.3796
pull
Entries 80
Mean 178.1
Std Dev 131.9
pull1D
Entries 80
Mean 0.5519
Std Dev 4.785

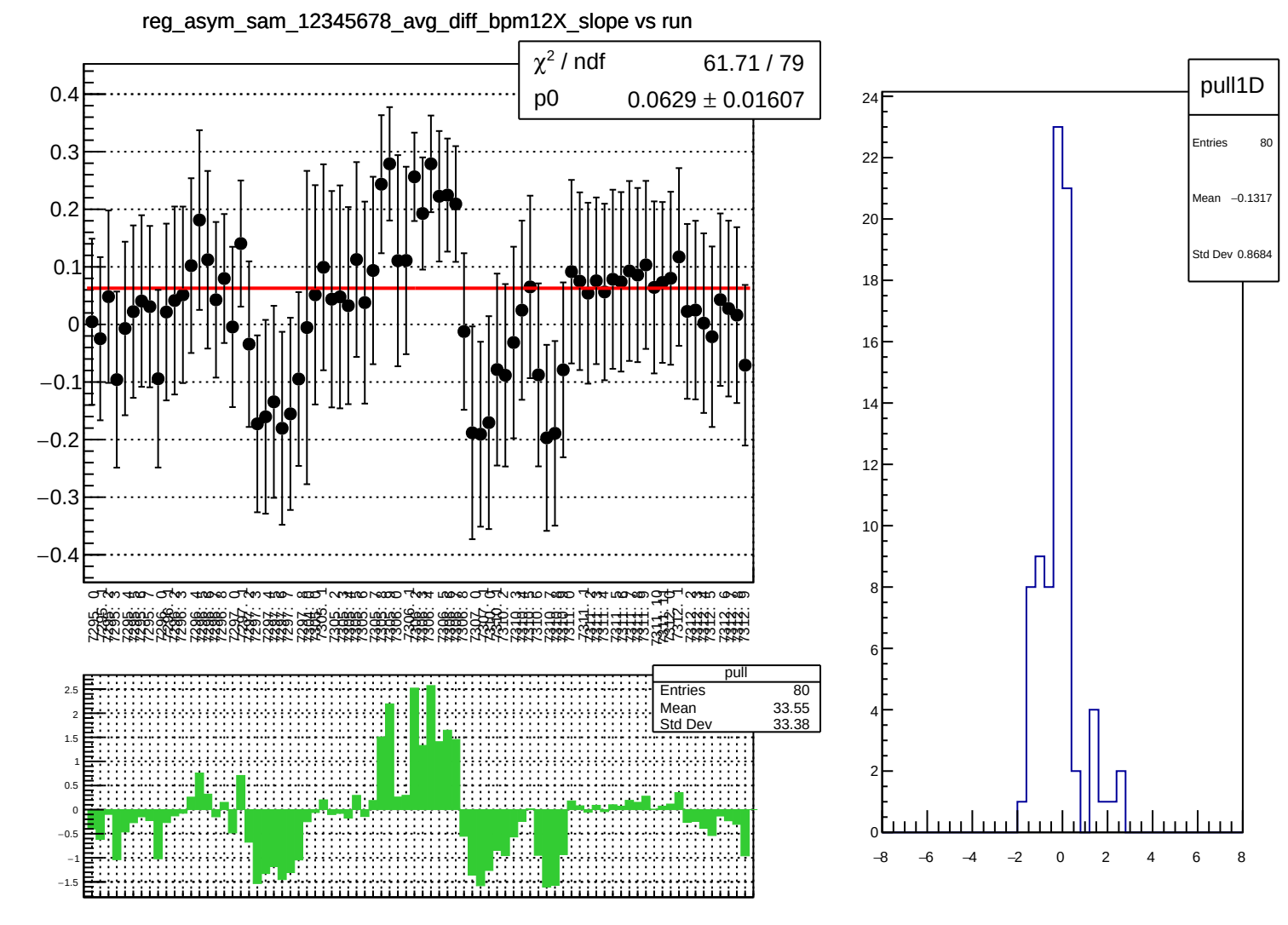

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 608.3 / 79
p0 11.73 ± 0.3505
pull
Entries 80
Mean −2175
Std Dev 2217

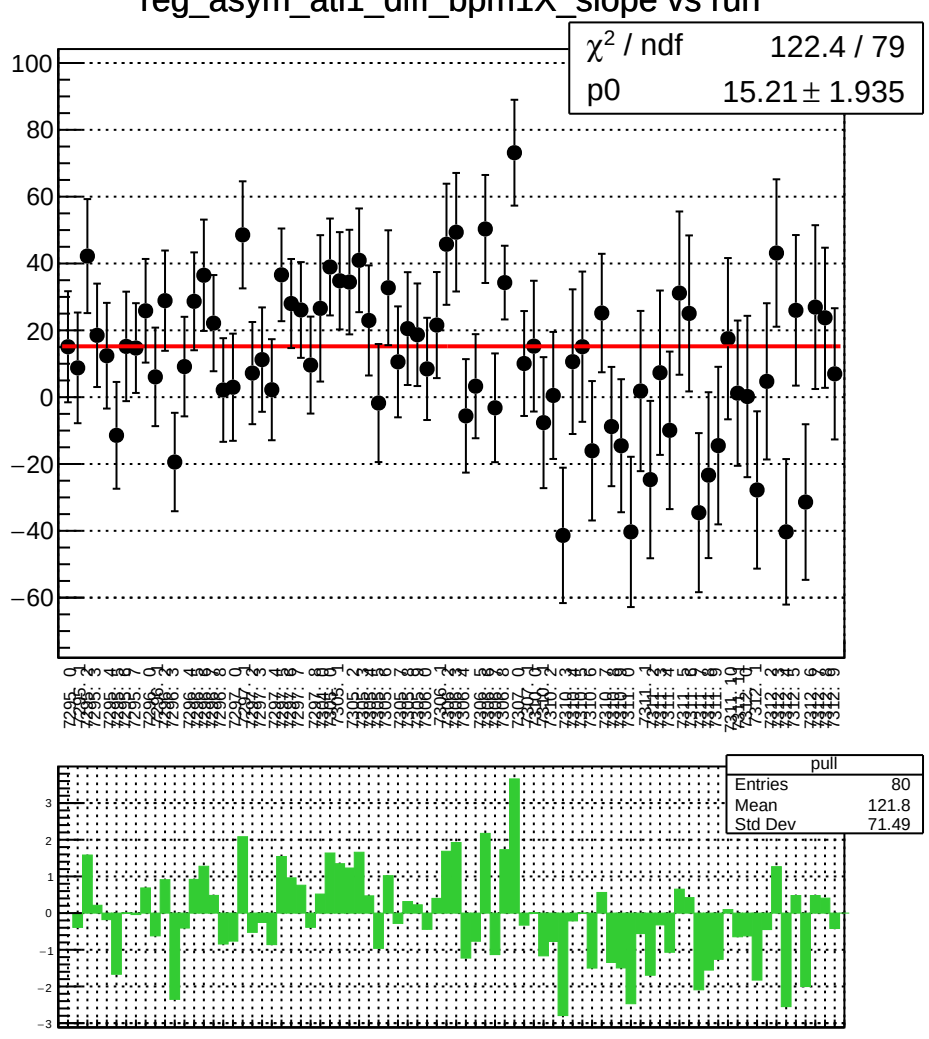

pull1D
Entries 80
Mean 0.02386
Std Dev 2.757

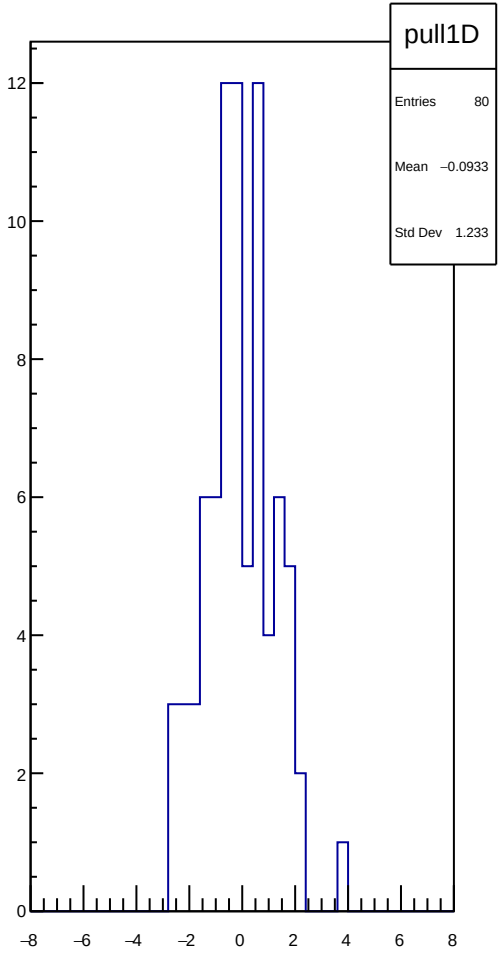

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1455 / 79
p0 −15.7 ± 0.3758
pull
Entries 80
Mean 172.3
Std Dev 126.8
pull1D
Entries 80
Mean −0.6095
Std Dev 4.222

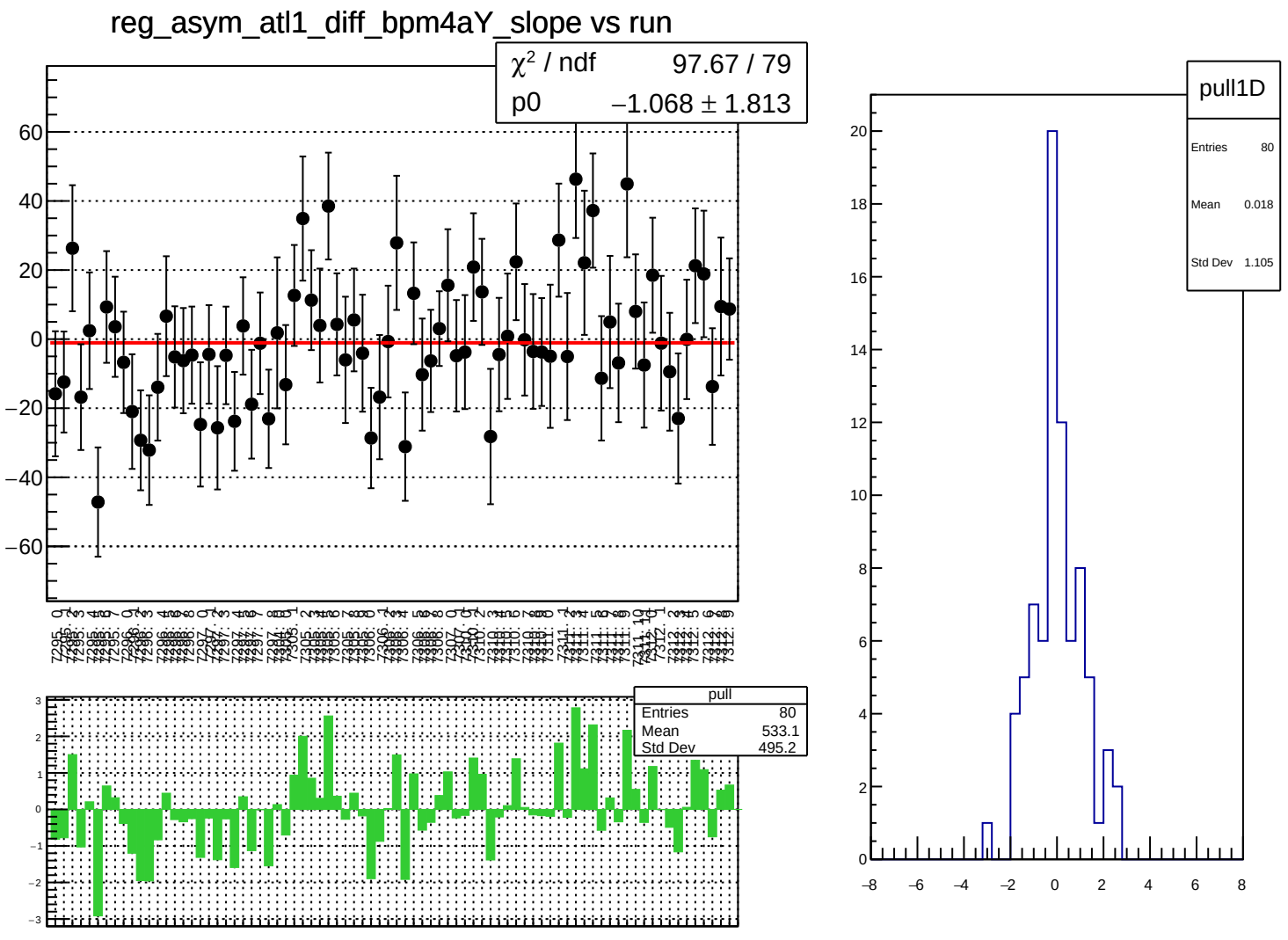

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 336.6 / 79
p0 24.37 ± 0.3766
pull
Entries 80
Mean 3669
Std Dev 3626

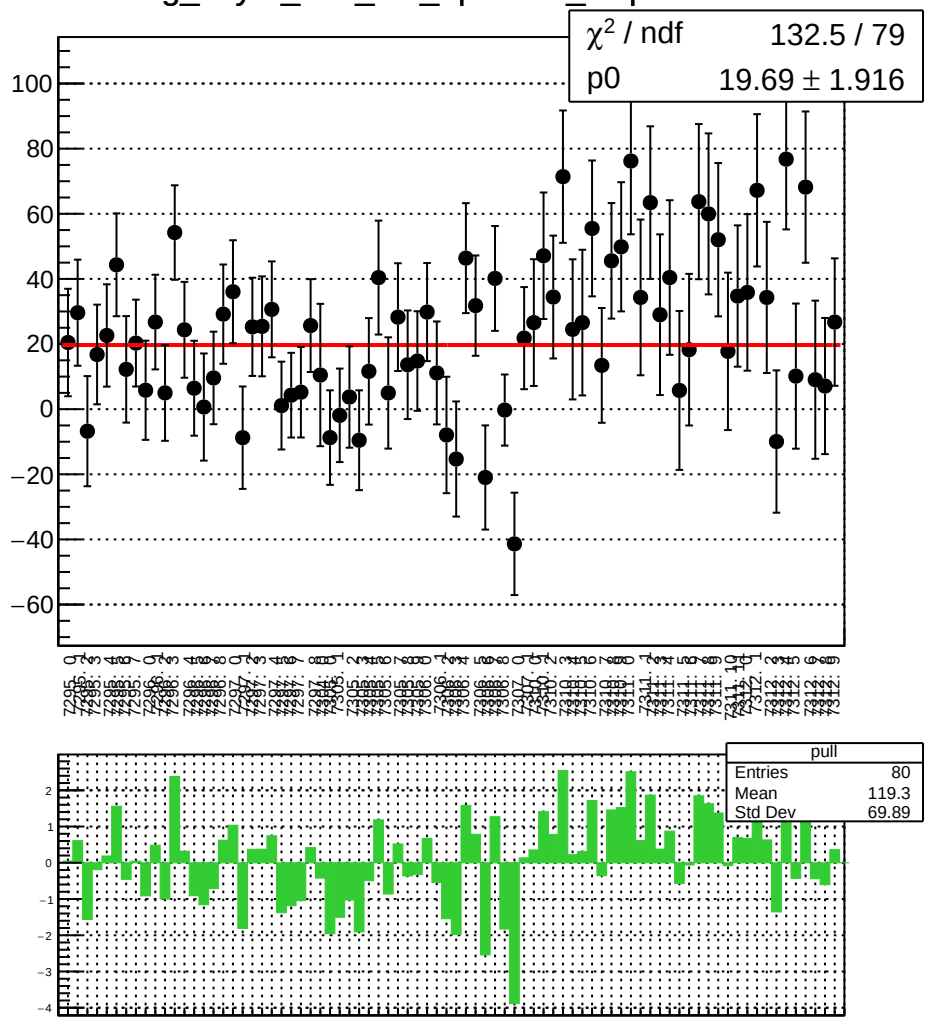

pull1D
Entries 80
Mean 0.01068
Std Dev 2.051

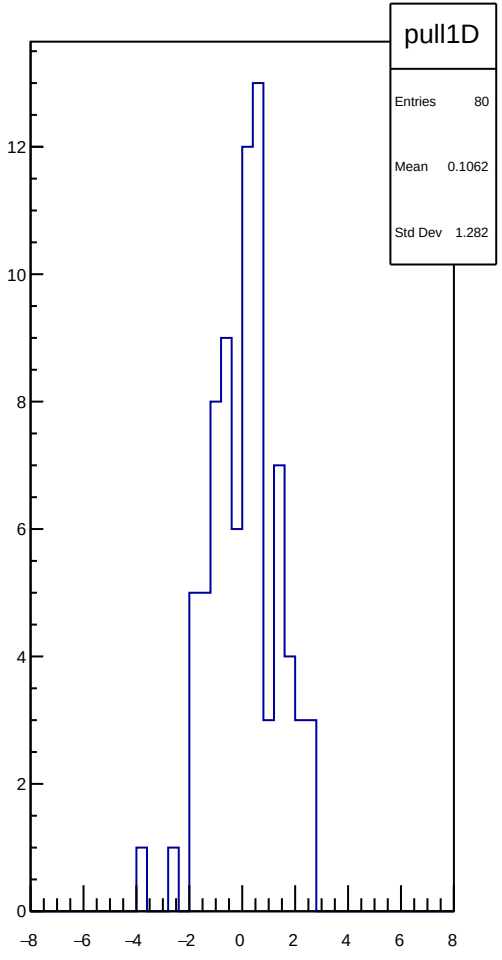

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 61.71 / 79
p0 0.0629 ± 0.01607
pull
Entries 80
Mean 33.55
Std Dev 33.38
pull1D
Entries 80
Mean −0.1317
Std Dev 0.8684

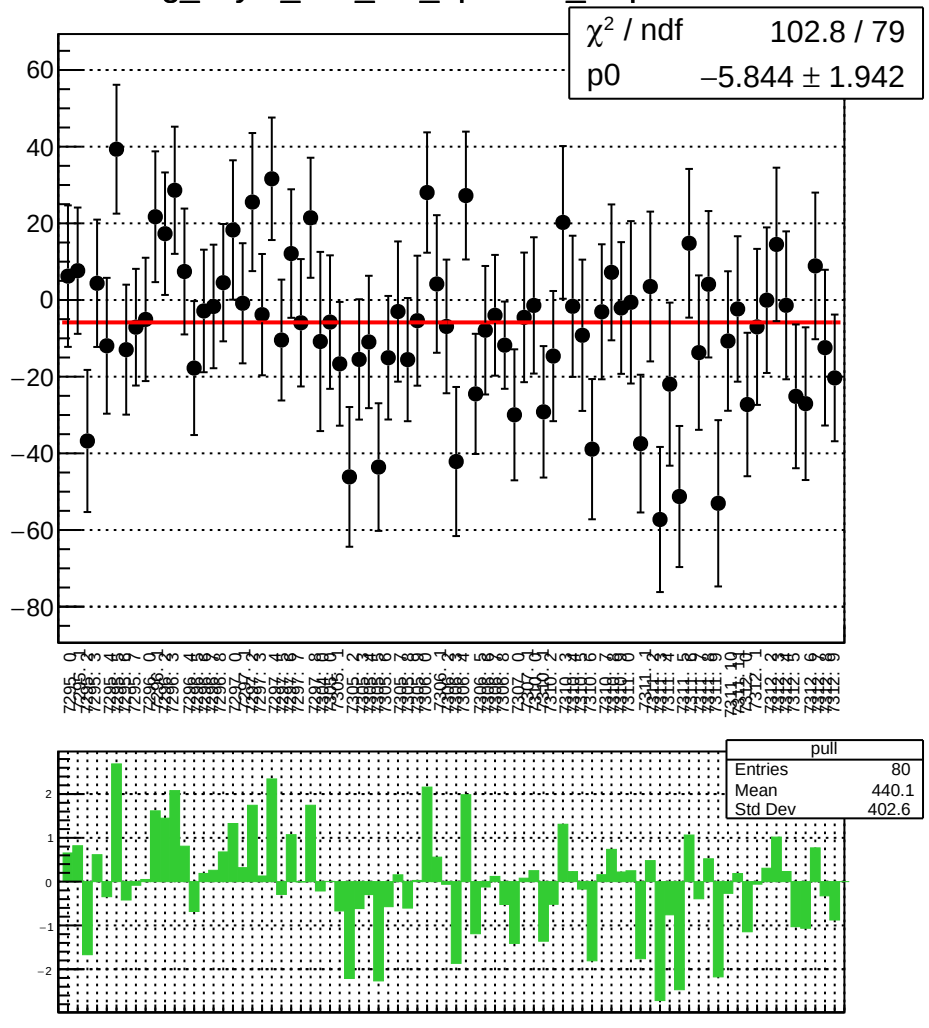

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 122.4 / 79
p0 15.21 ± 1.935
pull
Entries 80
Mean 121.8
Std Dev 71.49

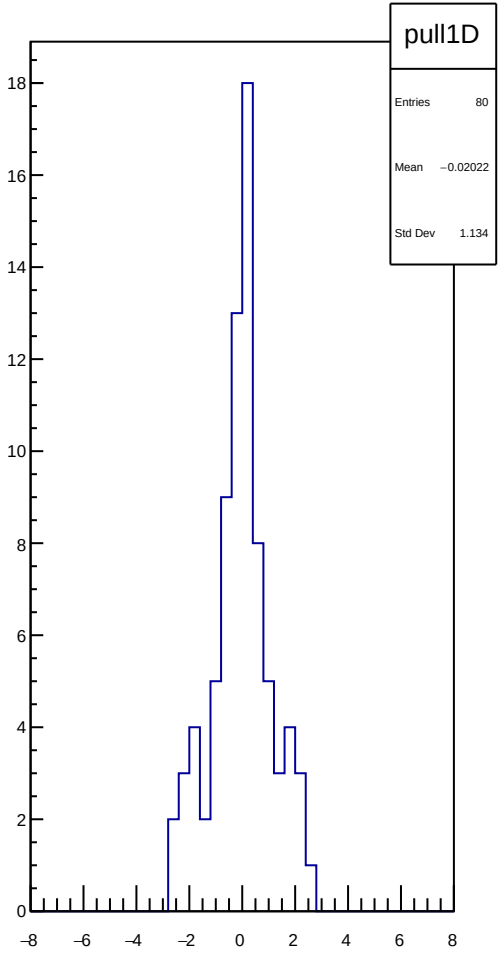

pull1D
Entries 80
Mean −0.0933
Std Dev 1.233

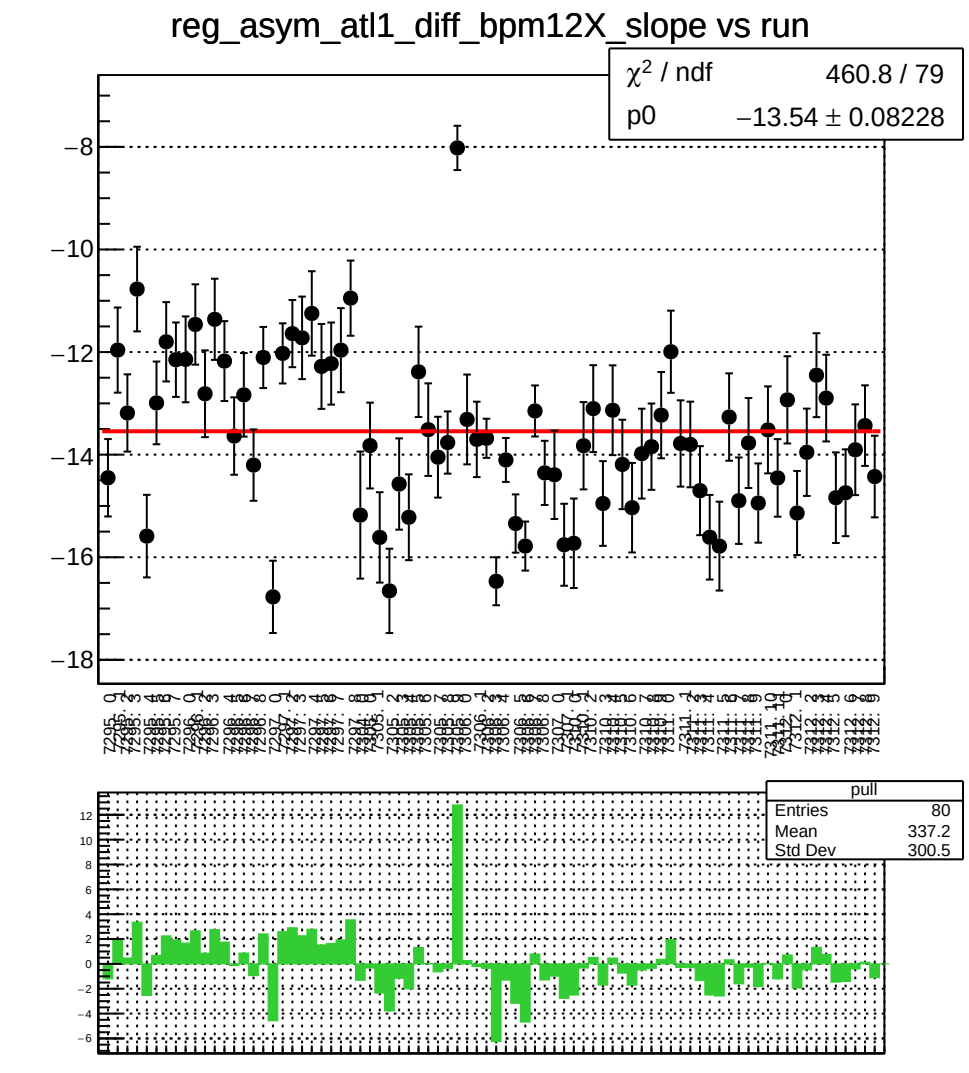

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 97.67 / 79
p0 −1.068 ± 1.813
pull
Entries 80
Mean 533.1
Std Dev 495.2
pull1D
Entries 80
Mean 0.018
Std Dev 1.105

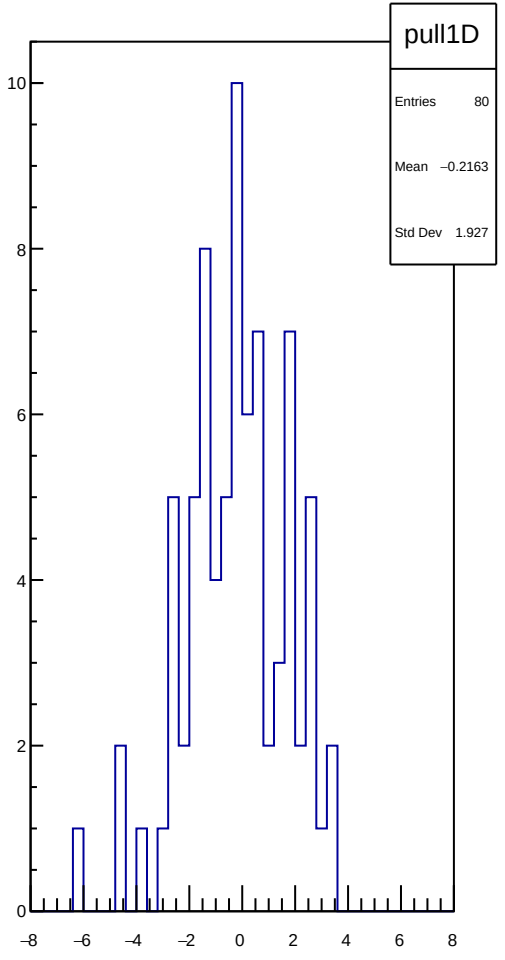

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 132.5 / 79
p0 19.69 ± 1.916
pull
Entries 80
Mean 119.3
Std Dev 69.89

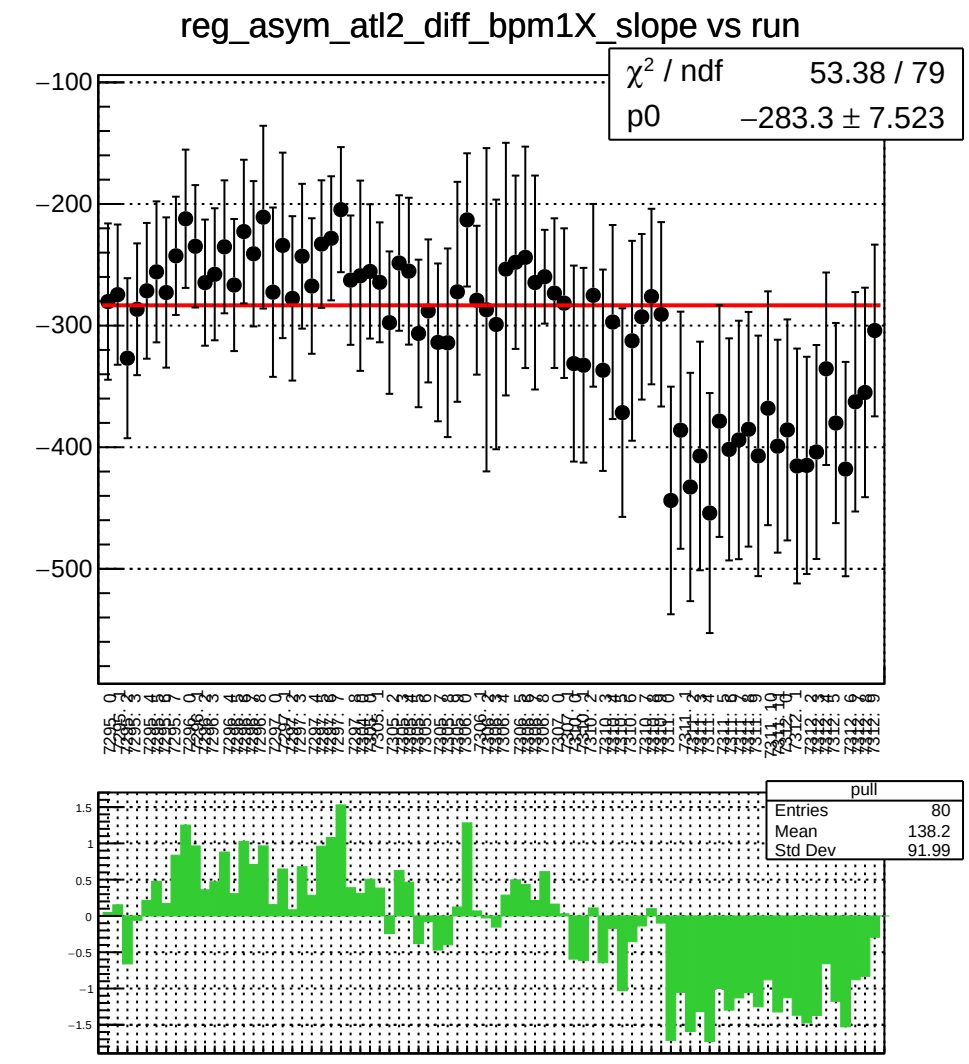

pull1D
Entries 80
Mean 0.1062
Std Dev 1.282

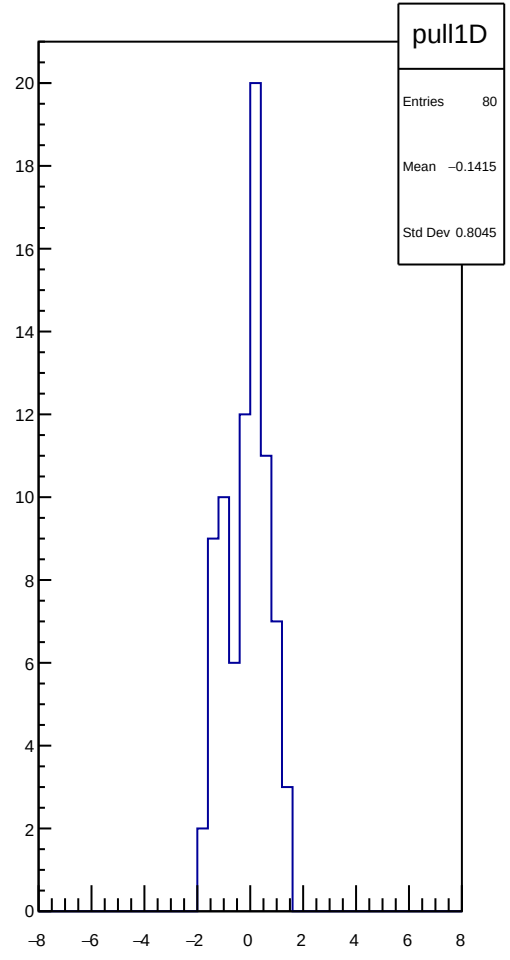

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 102.8 / 79
p0 −5.844 ± 1.942
pull
Entries 80
Mean 440.1
Std Dev 402.6

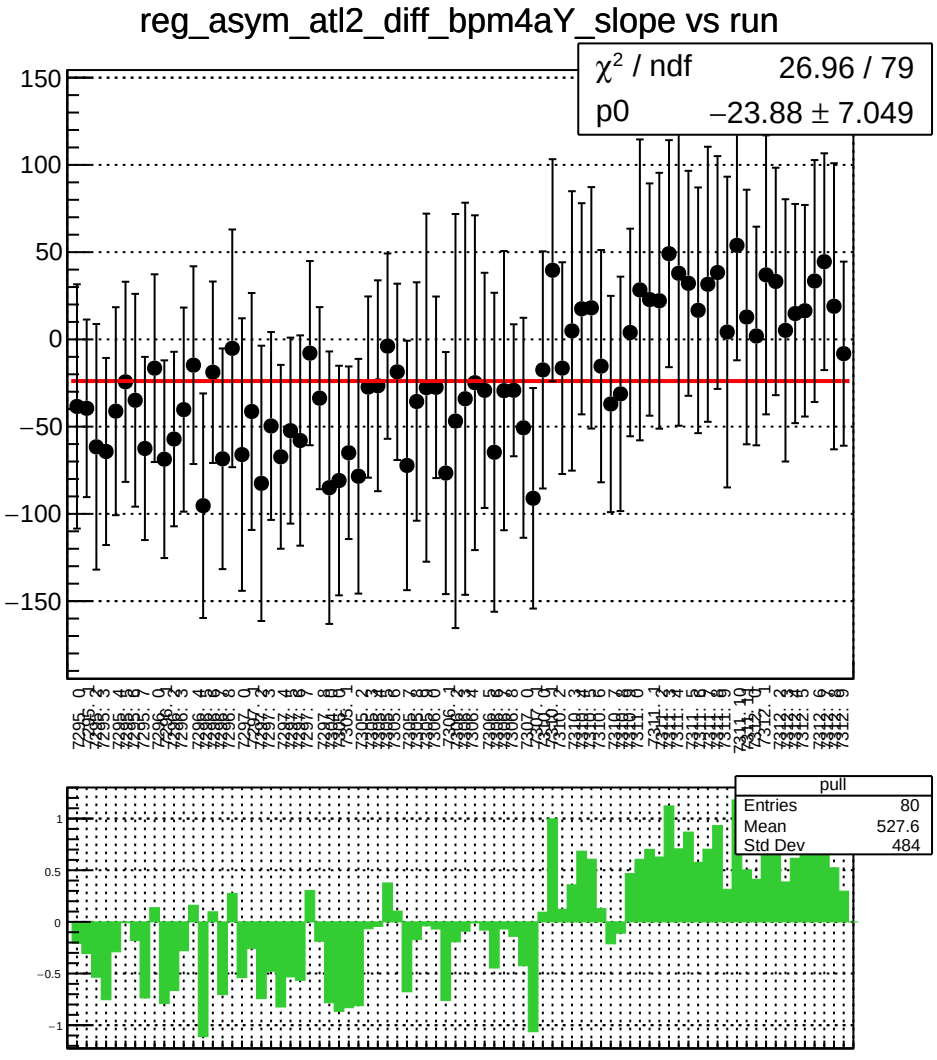

pull1D
Entries 80
Mean −0.02022
Std Dev 1.134

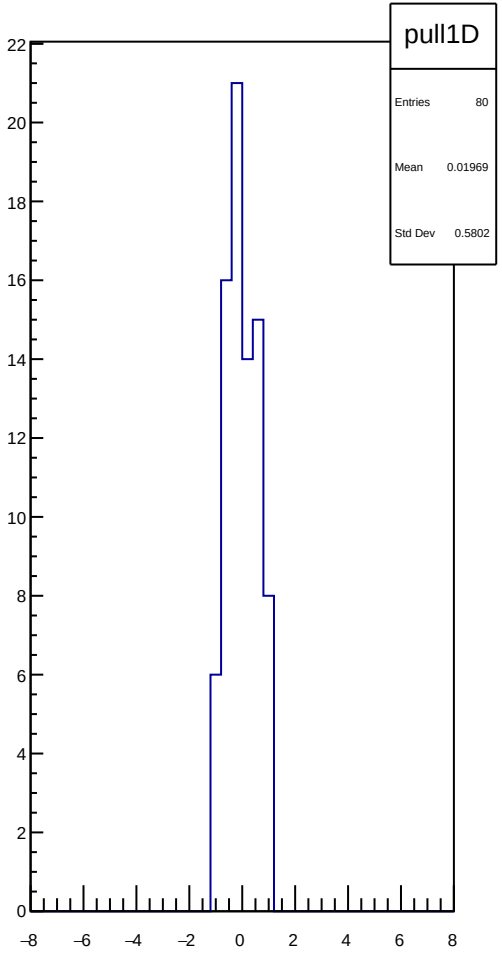

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 460.8 / 79
p0 −13.54 ± 0.08228
pull
Entries 80
Mean 337.2
Std Dev 300.5

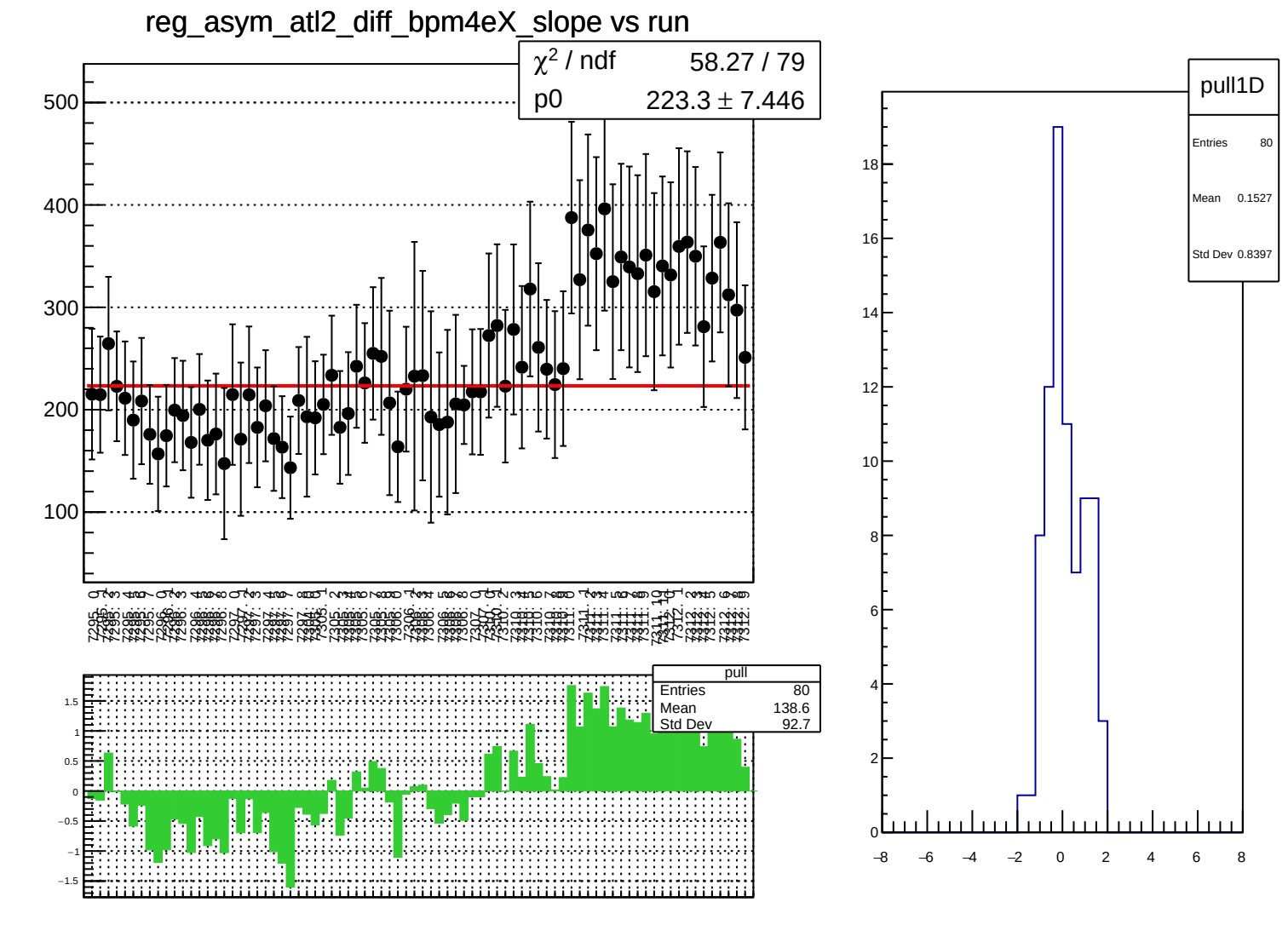

pull1D
Entries 80
Mean −0.2163
Std Dev 1.927

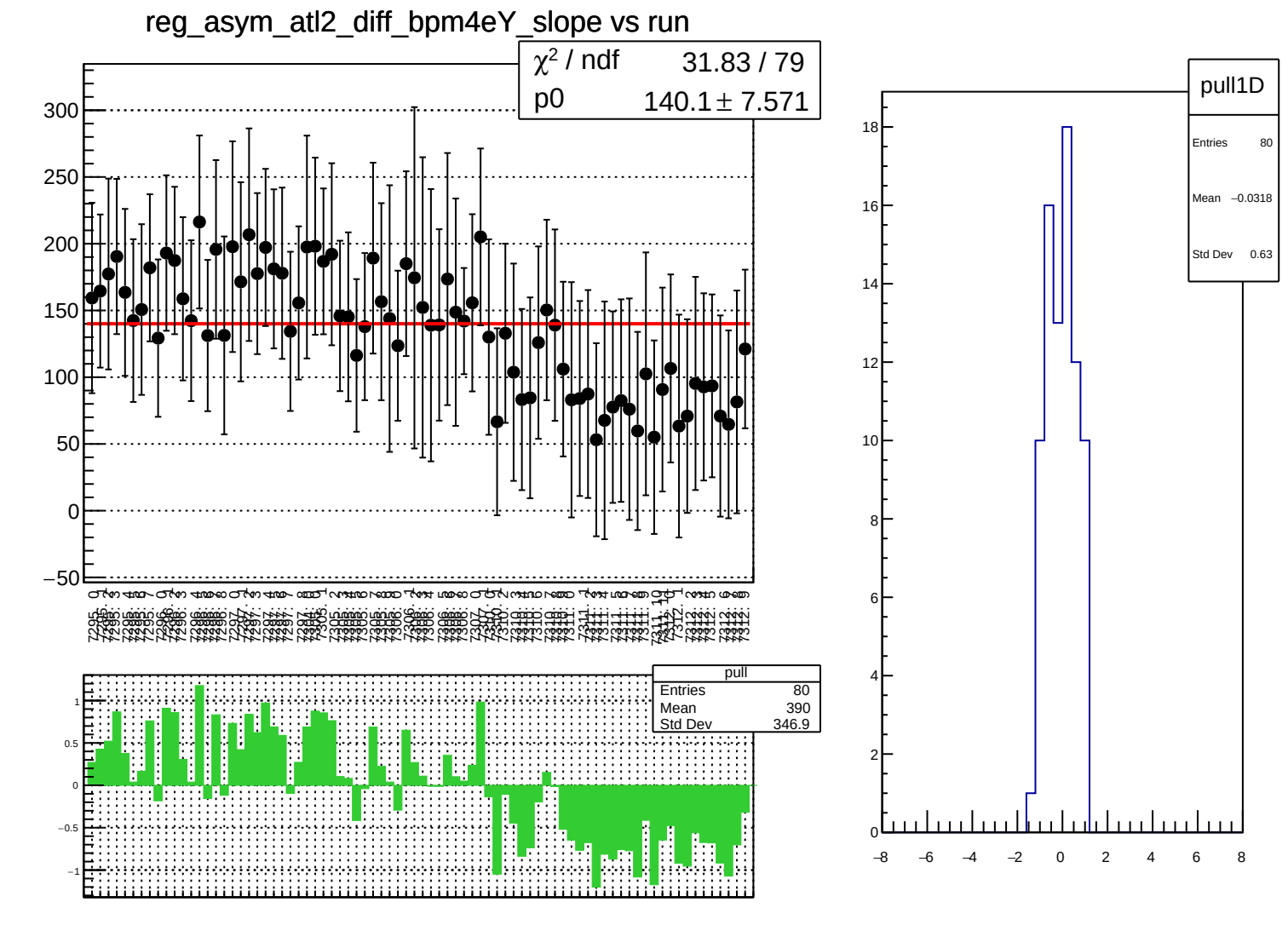

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 53.38 / 79
p0 −283.3 ± 7.523
pull
Entries 80
Mean 138.2
Std Dev 91.99

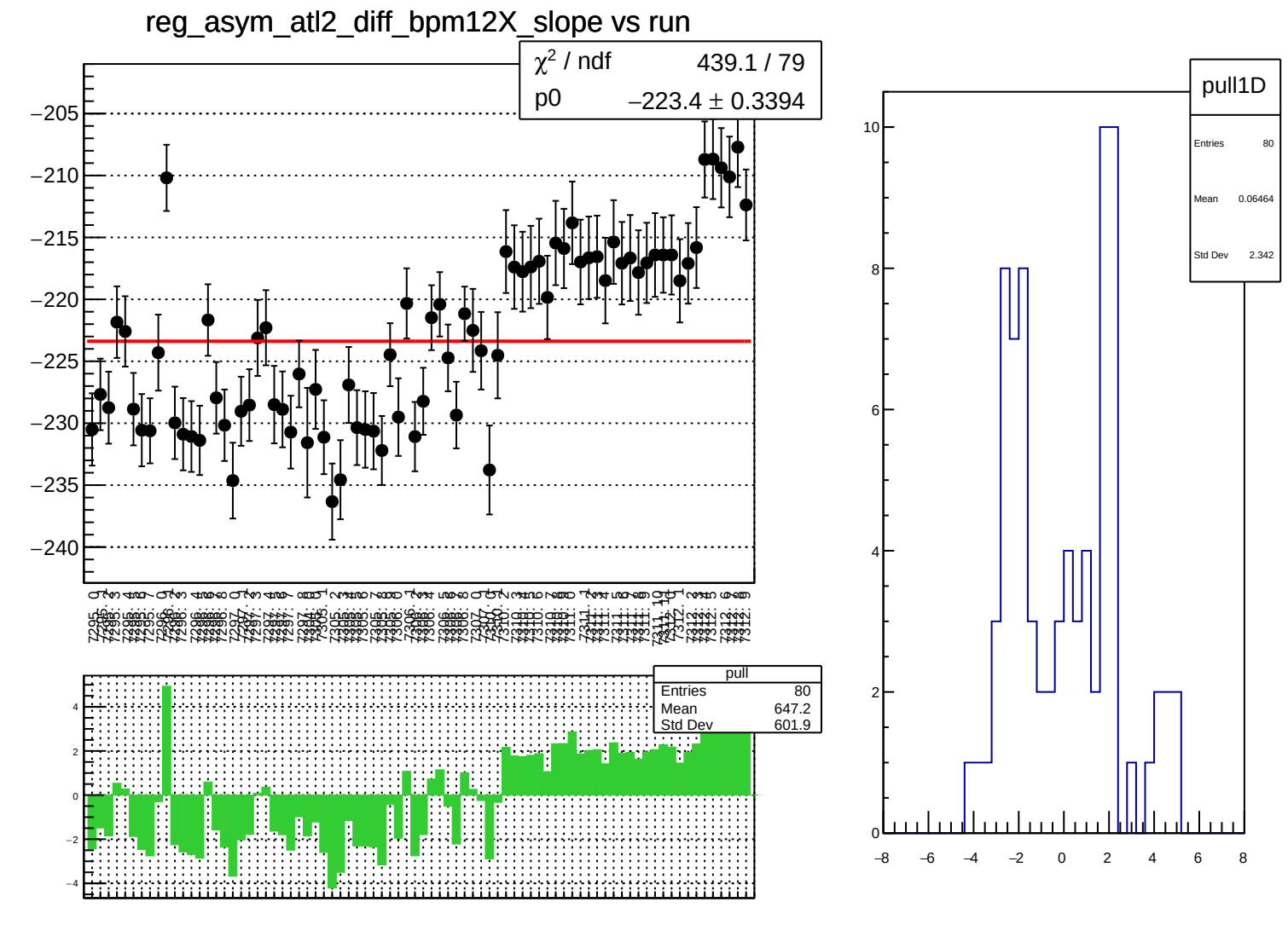

pull1D
Entries 80
Mean −0.1415
Std Dev 0.8045

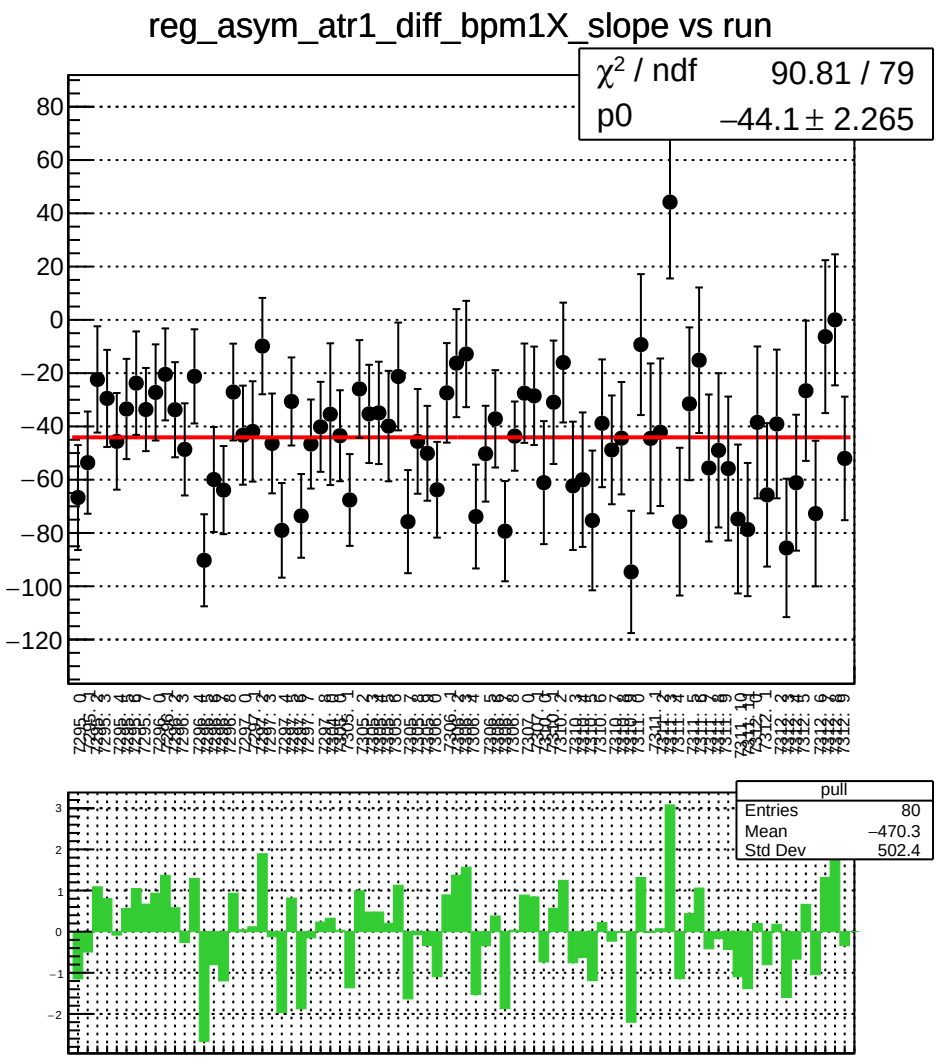

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 26.96 / 79
p0 −23.88 ± 7.049
pull
Entries 80
Mean 527.6
Std Dev 484

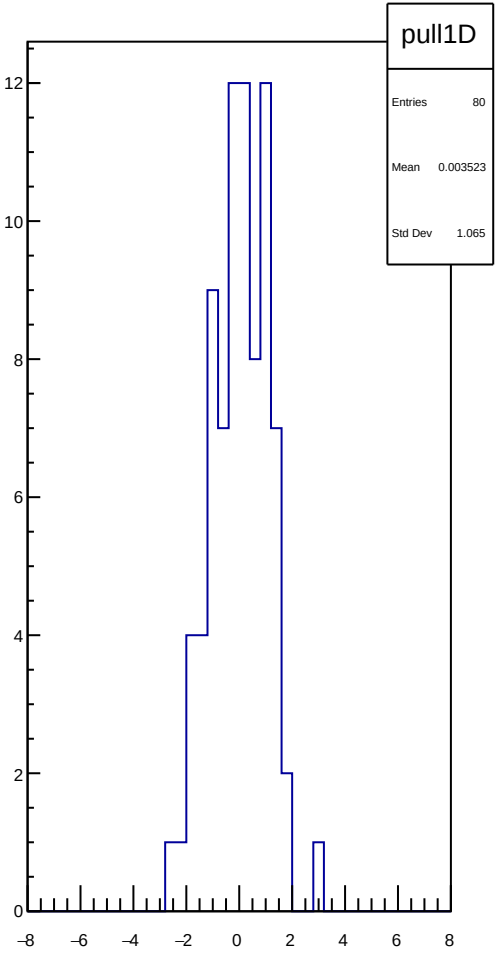

pull1D
Entries 80
Mean 0.01969
Std Dev 0.5802

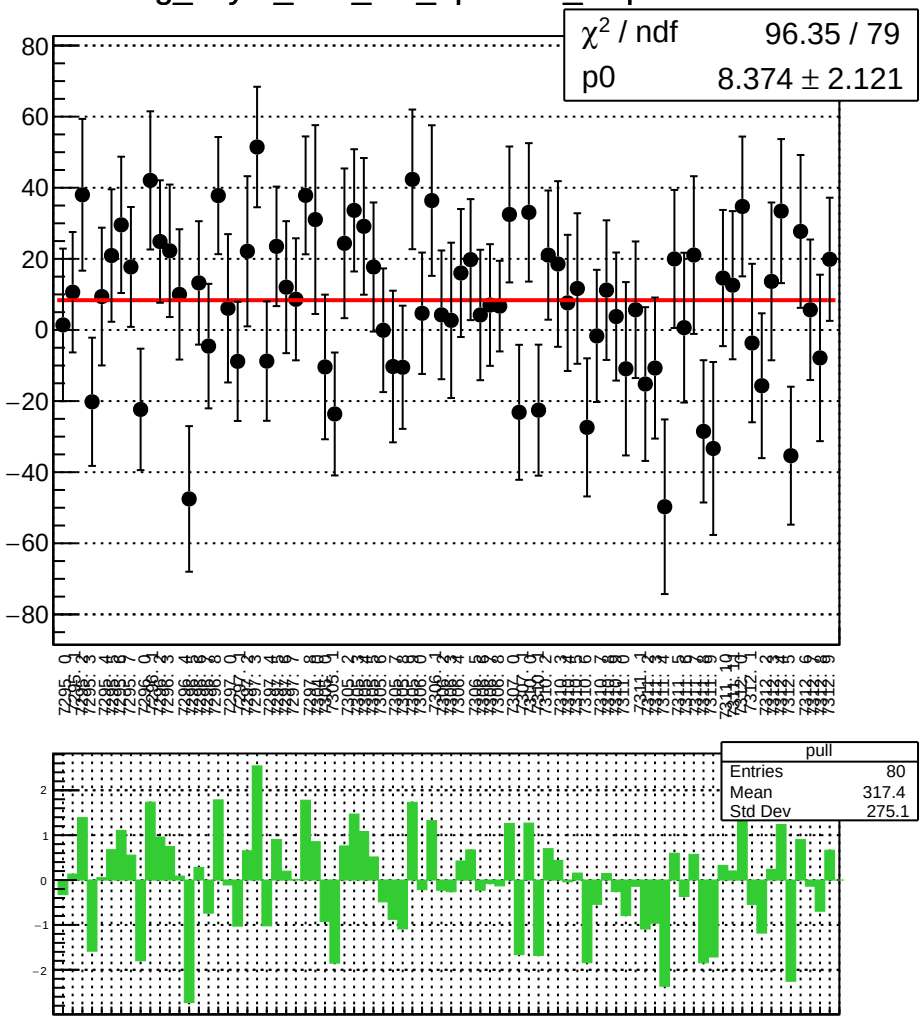

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 58.27 / 79
p0 223.3 ± 7.446
pull
Entries 80
Mean 138.6
Std Dev 92.7
pull1D
Entries 80
Mean 0.1527
Std Dev 0.8397

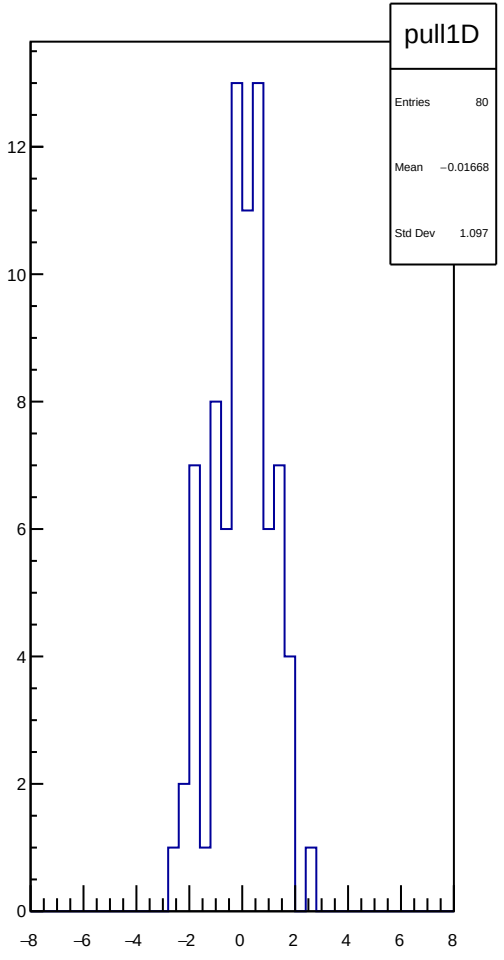

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 31.83 / 79
p0 140.1 ± 7.571
pull
Entries 80
Mean 390
Std Dev 346.9
pull1D
Entries 80
Mean −0.0318
Std Dev 0.63

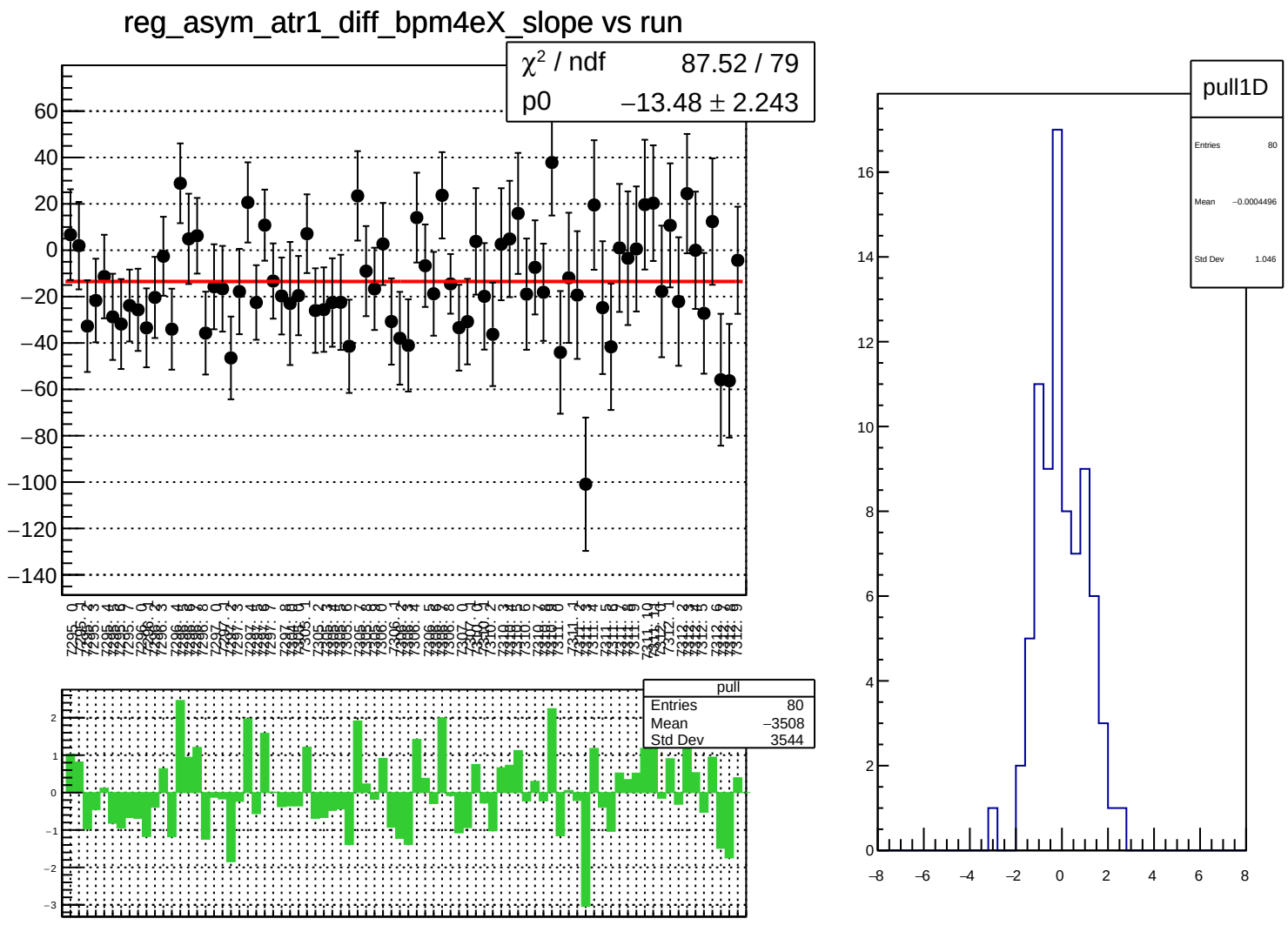

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 439.1 / 79
p0 −223.4 ± 0.3394
−205
−210
−215
−220
−225
−230
−235
−240
pull
Entries 80
Mean 647.2
Std Dev 601.9
pull1D
Entries 80
Mean 0.06464
Std Dev 2.342
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

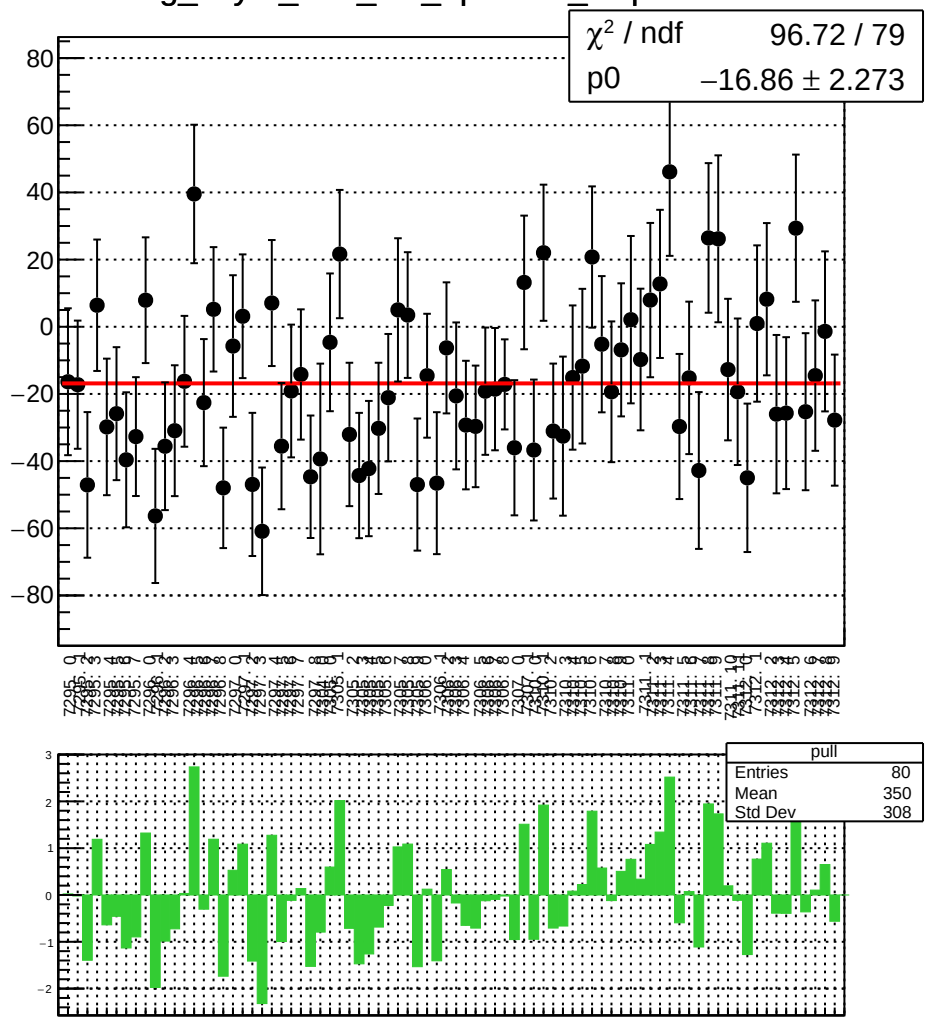

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 90.81 / 79
p0 −44.1 ± 2.265
pull
Entries 80
Mean −470.3
Std Dev 502.4

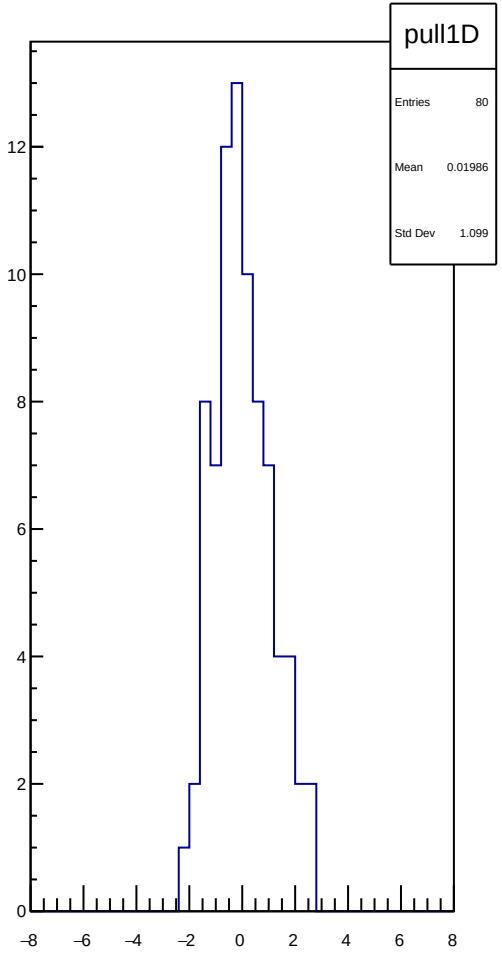

pull1D
Entries 80
Mean 0.003523
Std Dev 1.065

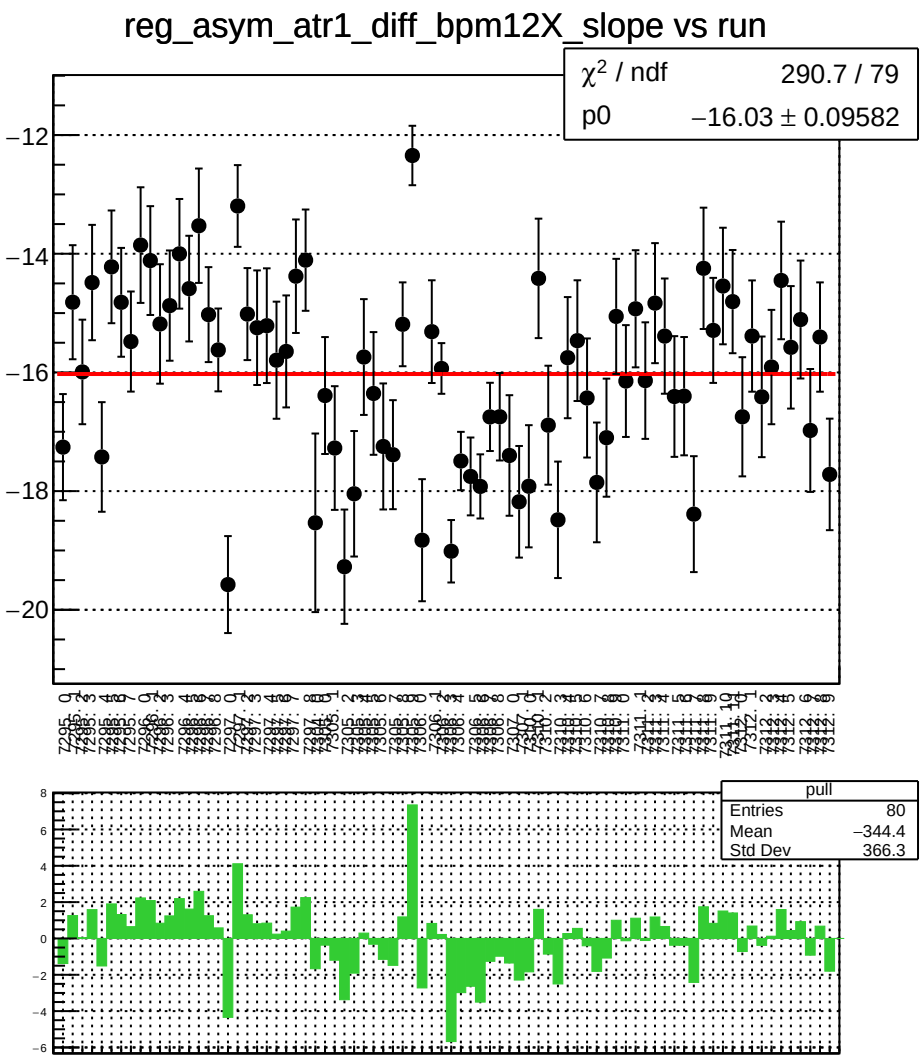

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 96.35 / 79
p0 8.374 ± 2.121
pull
Entries 80
Mean 317.4
Std Dev 275.1

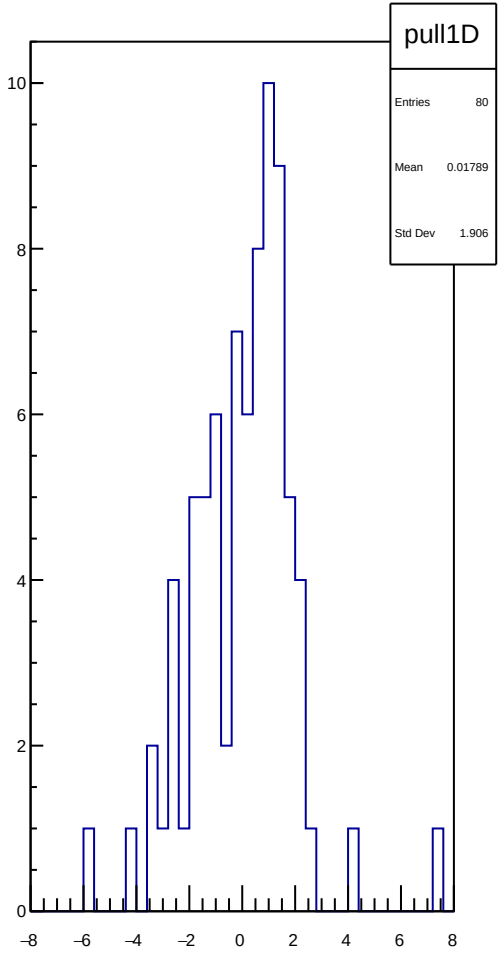

pull1D
Entries 80
Mean −0.01668
Std Dev 1.097

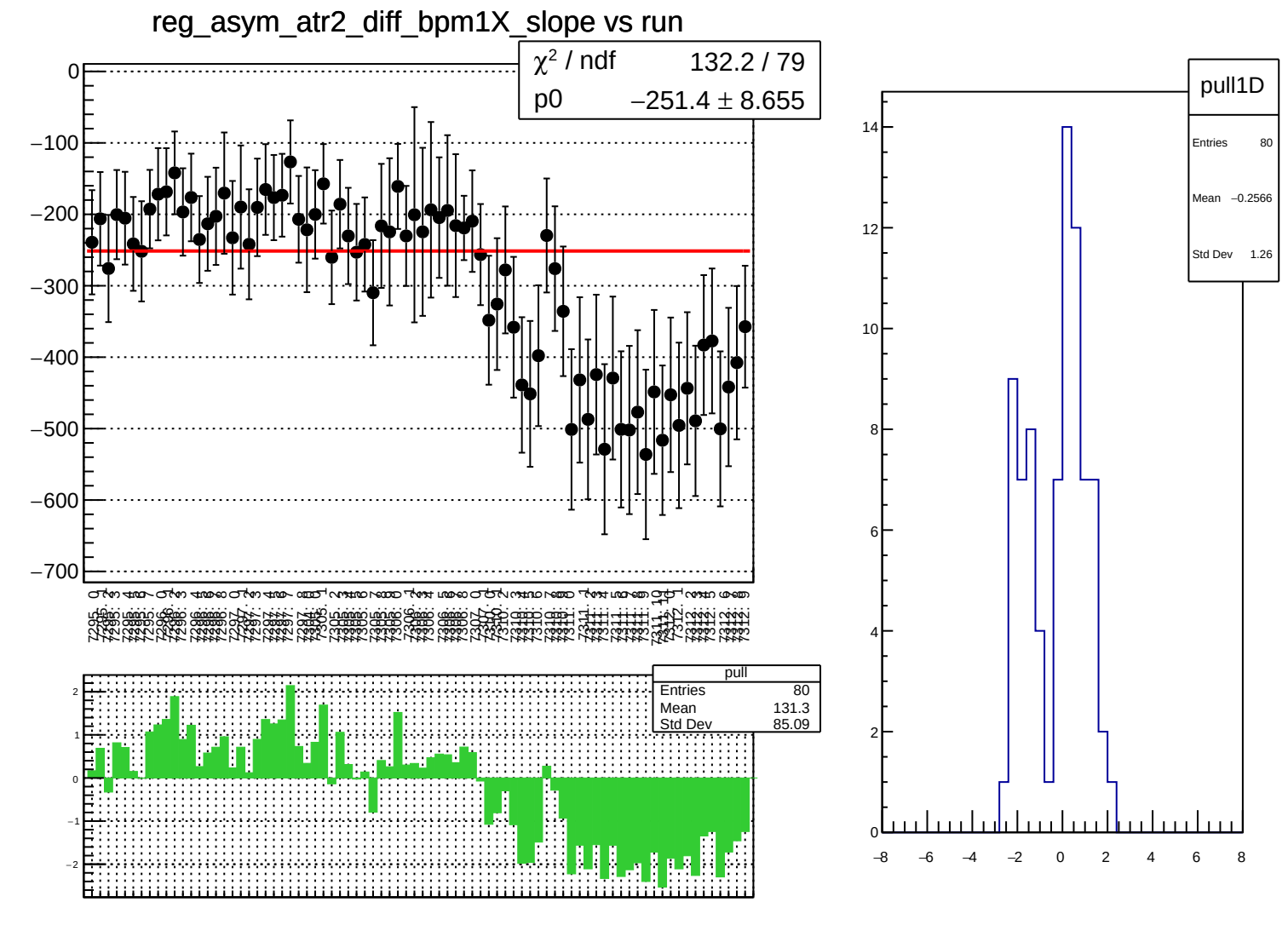

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 87.52 / 79
p0 −13.48 ± 2.243
pull
Entries 80
Mean −3508
Std Dev 3544
pull1D
Entries 80
Mean −0.0004496
Std Dev 1.046

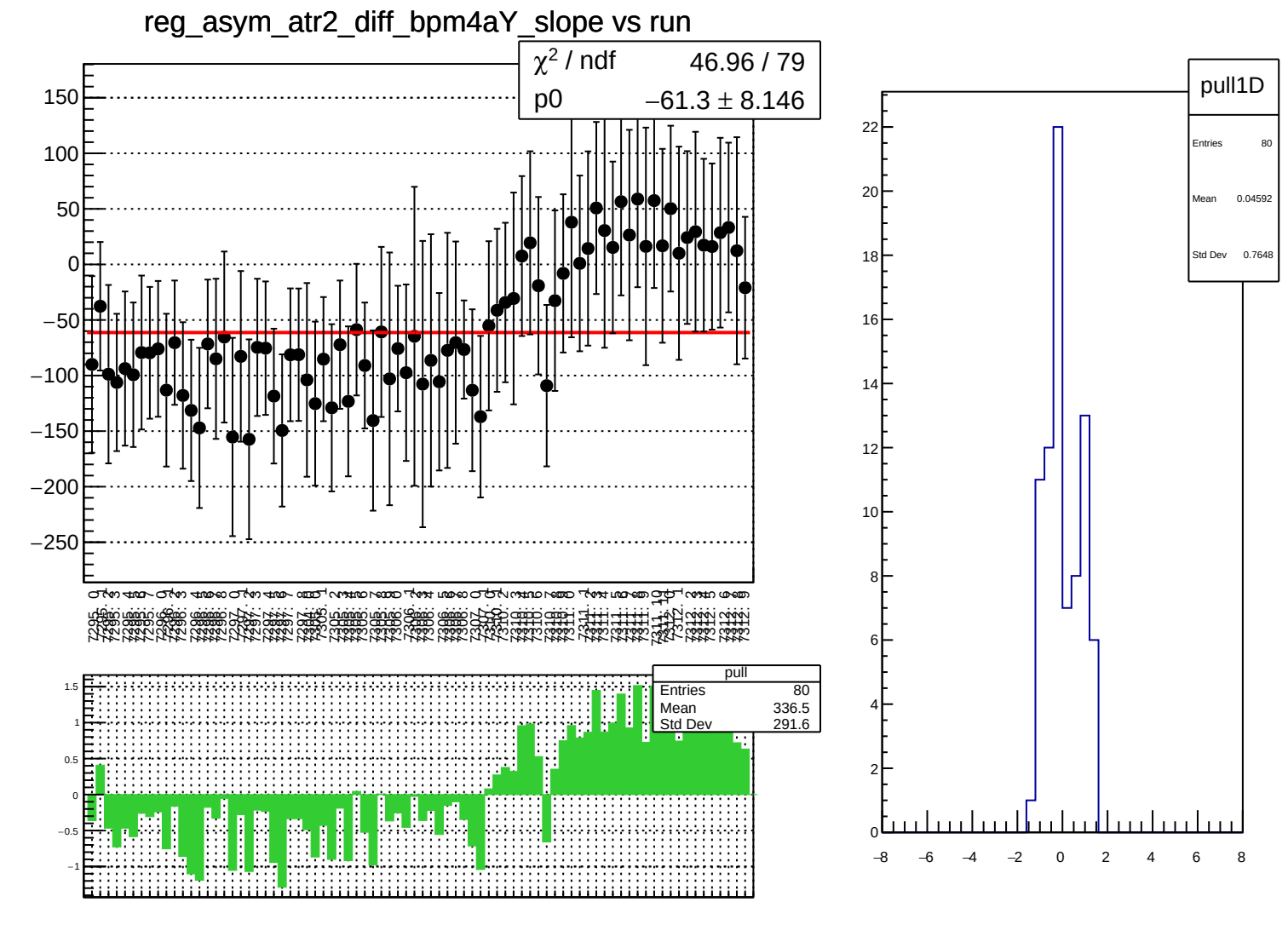

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 96.72 / 79
p0 −16.86 ± 2.273
pull
Entries 80
Mean 350
Std Dev 308

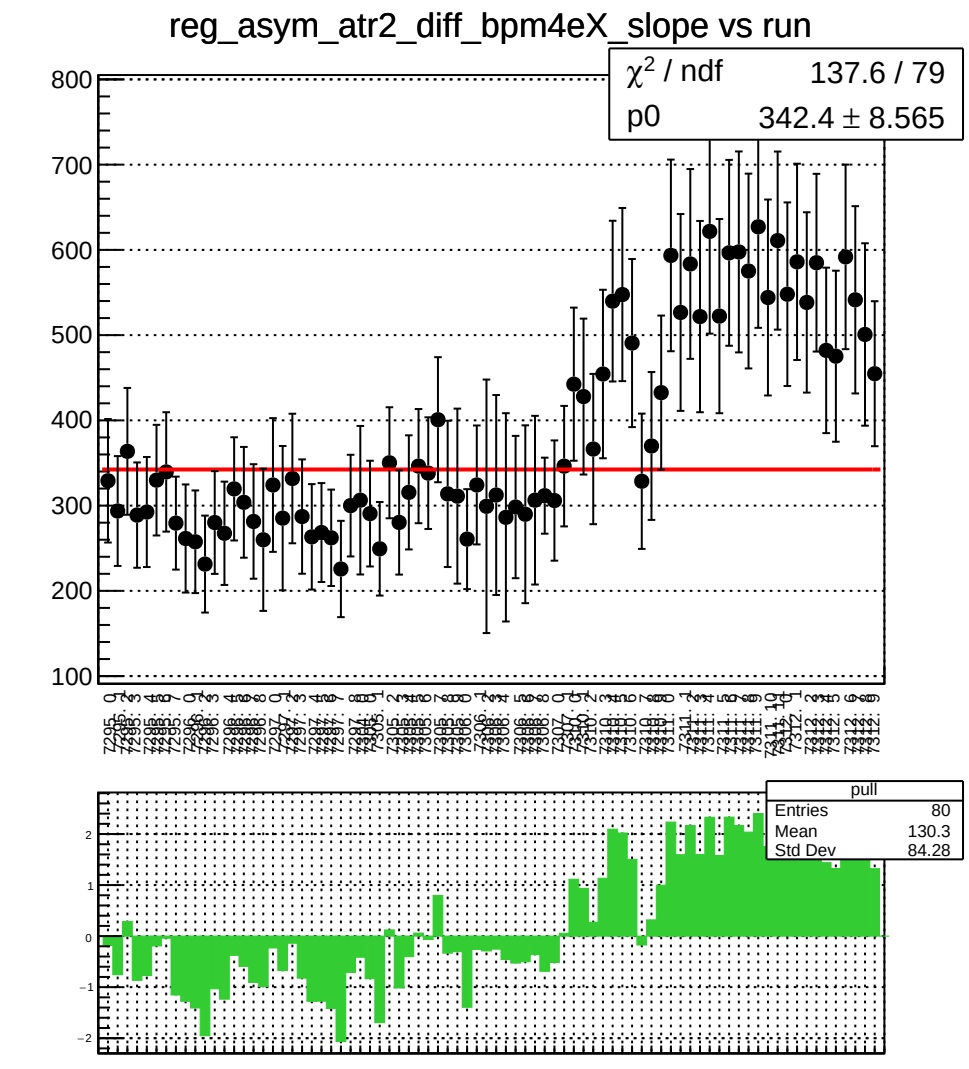

pull1D
Entries 80
Mean 0.01986
Std Dev 1.099

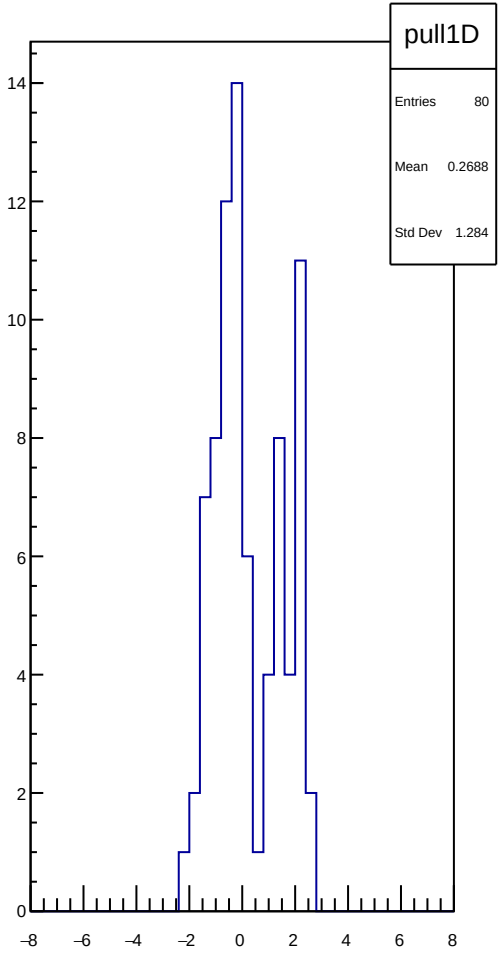

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 290.7 / 79
p0 −16.03 ± 0.09582
pull
Entries 80
Mean −344.4
Std Dev 366.3

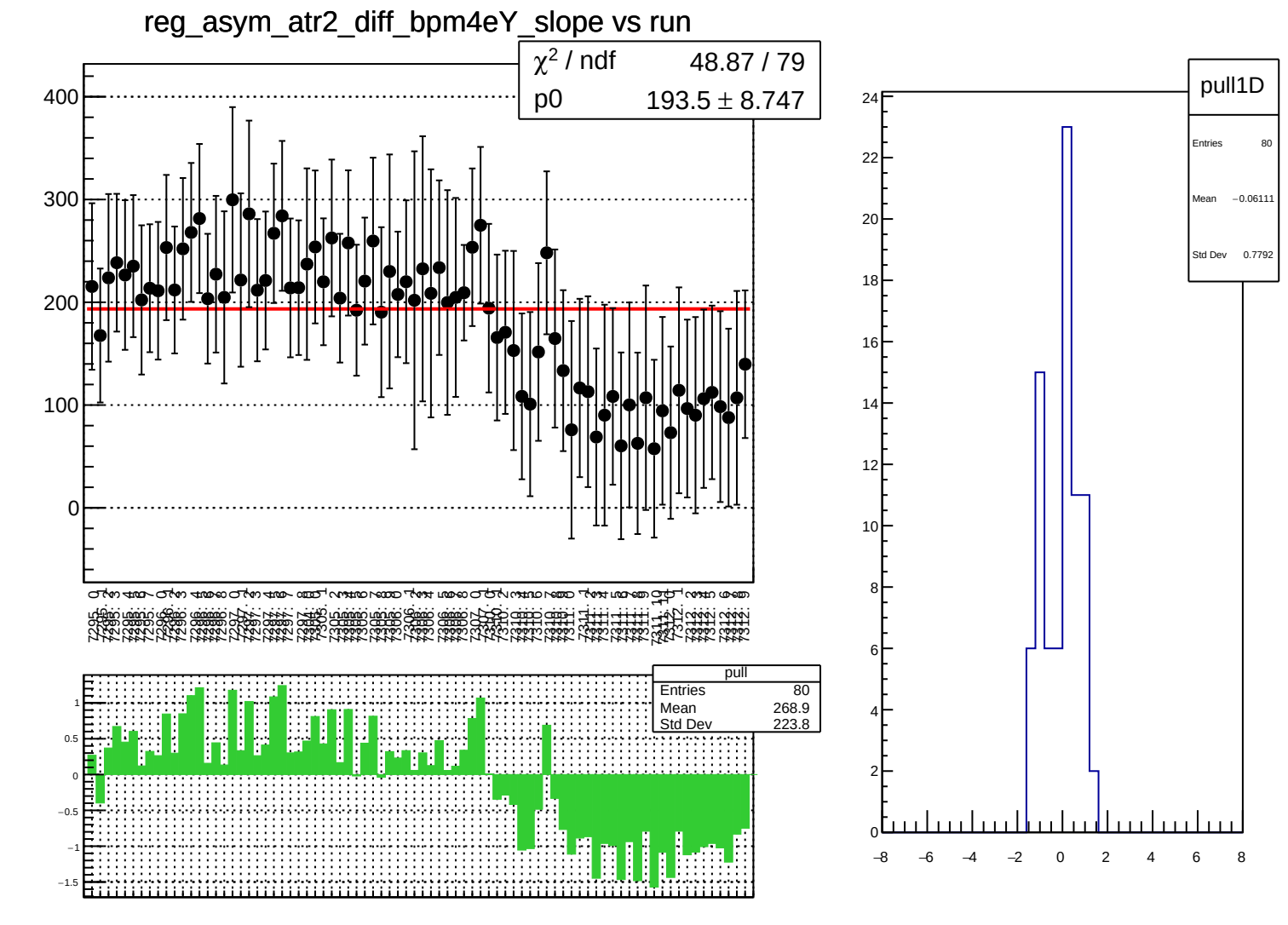

pull1D
Entries 80
Mean 0.01789
Std Dev 1.906

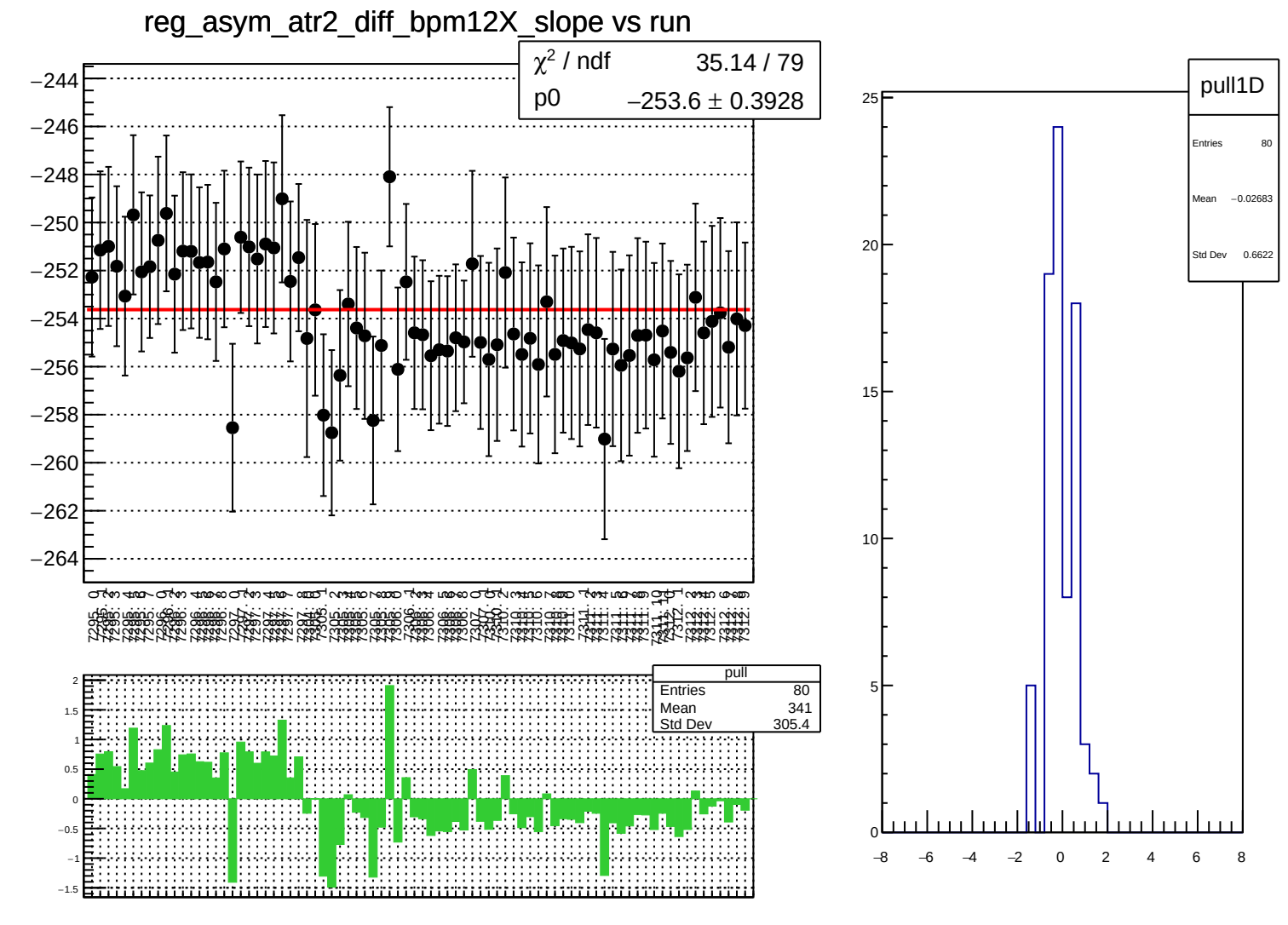

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 132.2 / 79
p0 −251.4 ± 8.655
pull
Entries 80
Mean 131.3
Std Dev 85.09
pull1D
Entries 80
Mean −0.2566
Std Dev 1.26

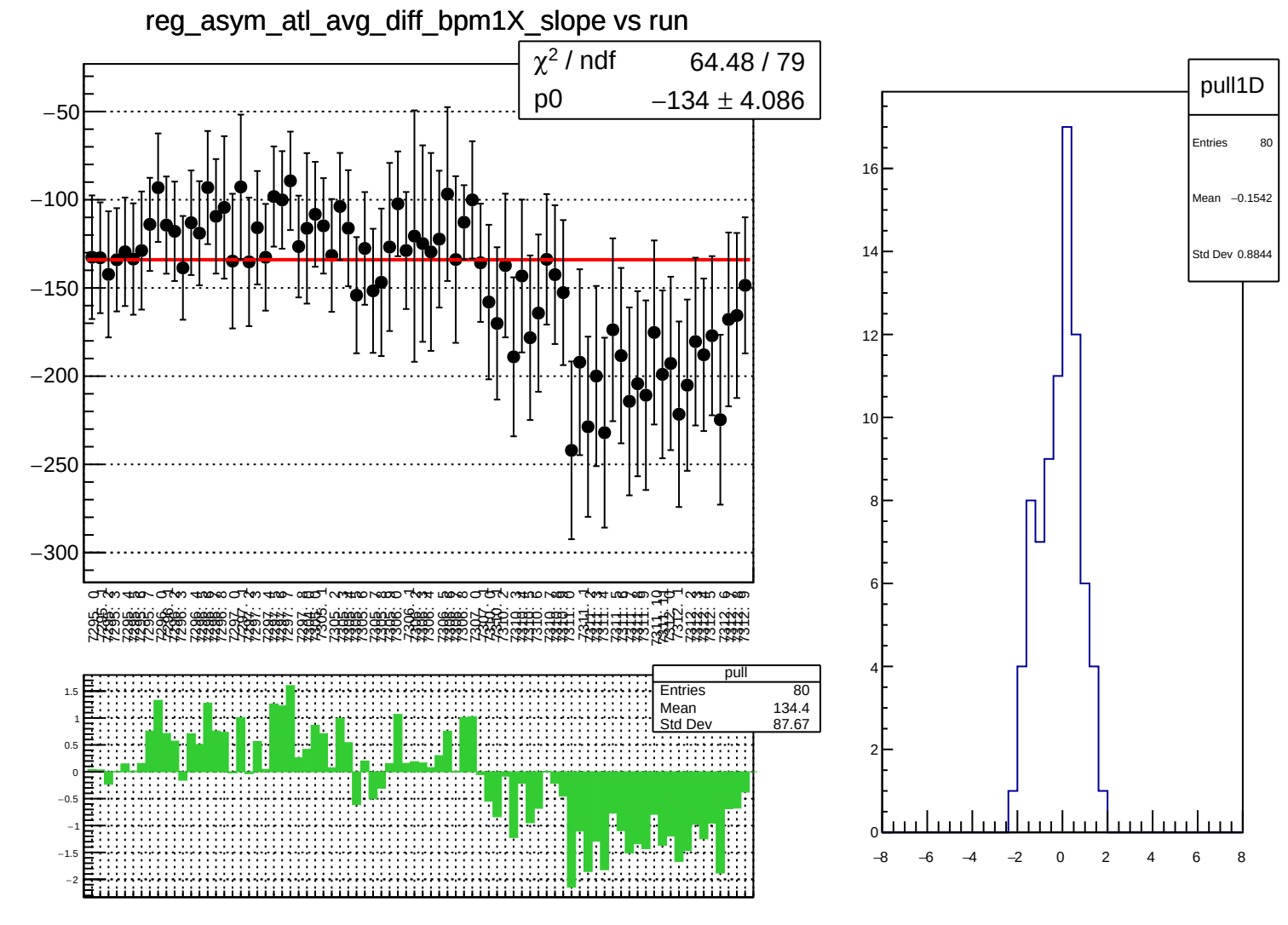

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 46.96 / 79
p0 −61.3 ± 8.146
pull
Entries 80
Mean 336.5
Std Dev 291.6
pull1D
Entries 80
Mean 0.04592
Std Dev 0.7648

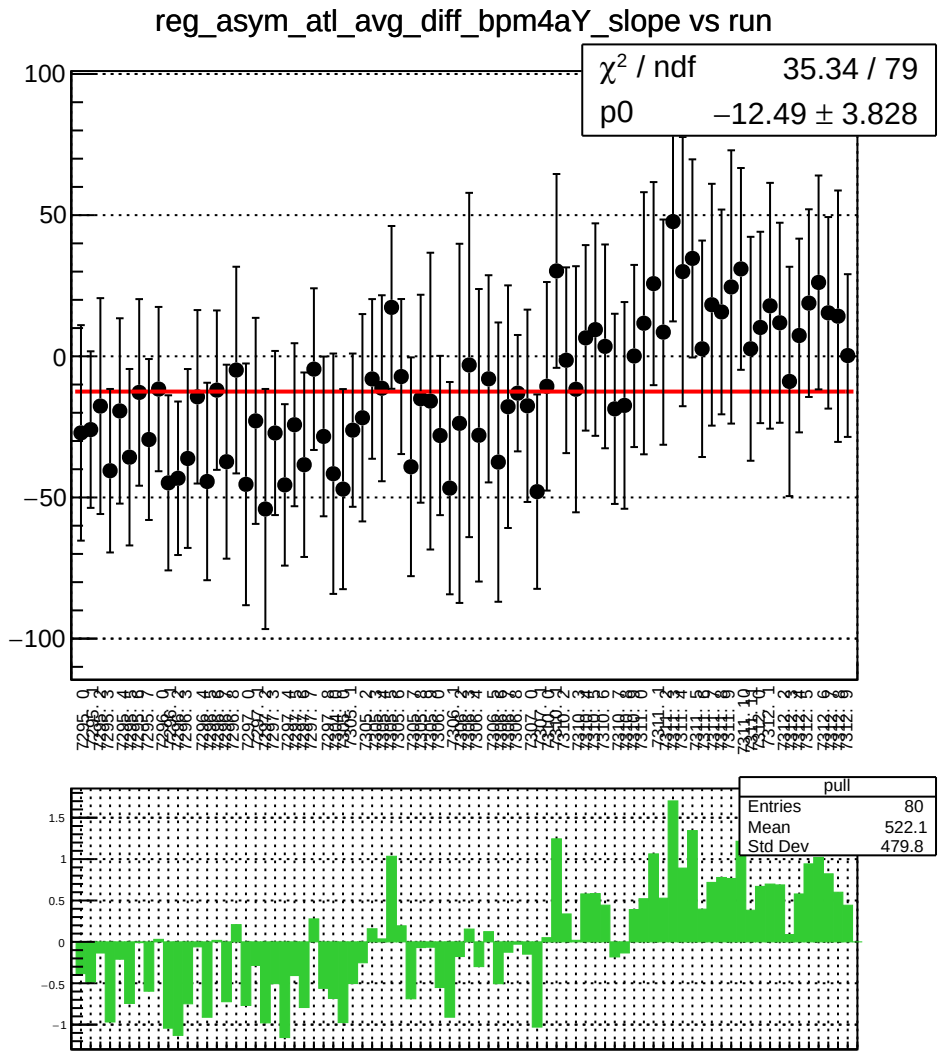

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 137.6 / 79
p0 342.4 ± 8.565
pull
Entries 80
Mean 130.3
Std Dev 84.28

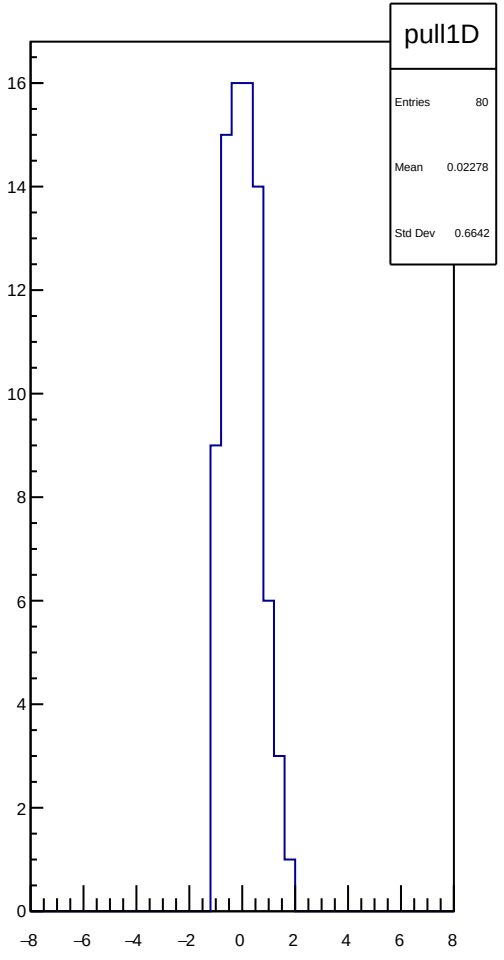

pull1D
Entries 80
Mean 0.2688
Std Dev 1.284

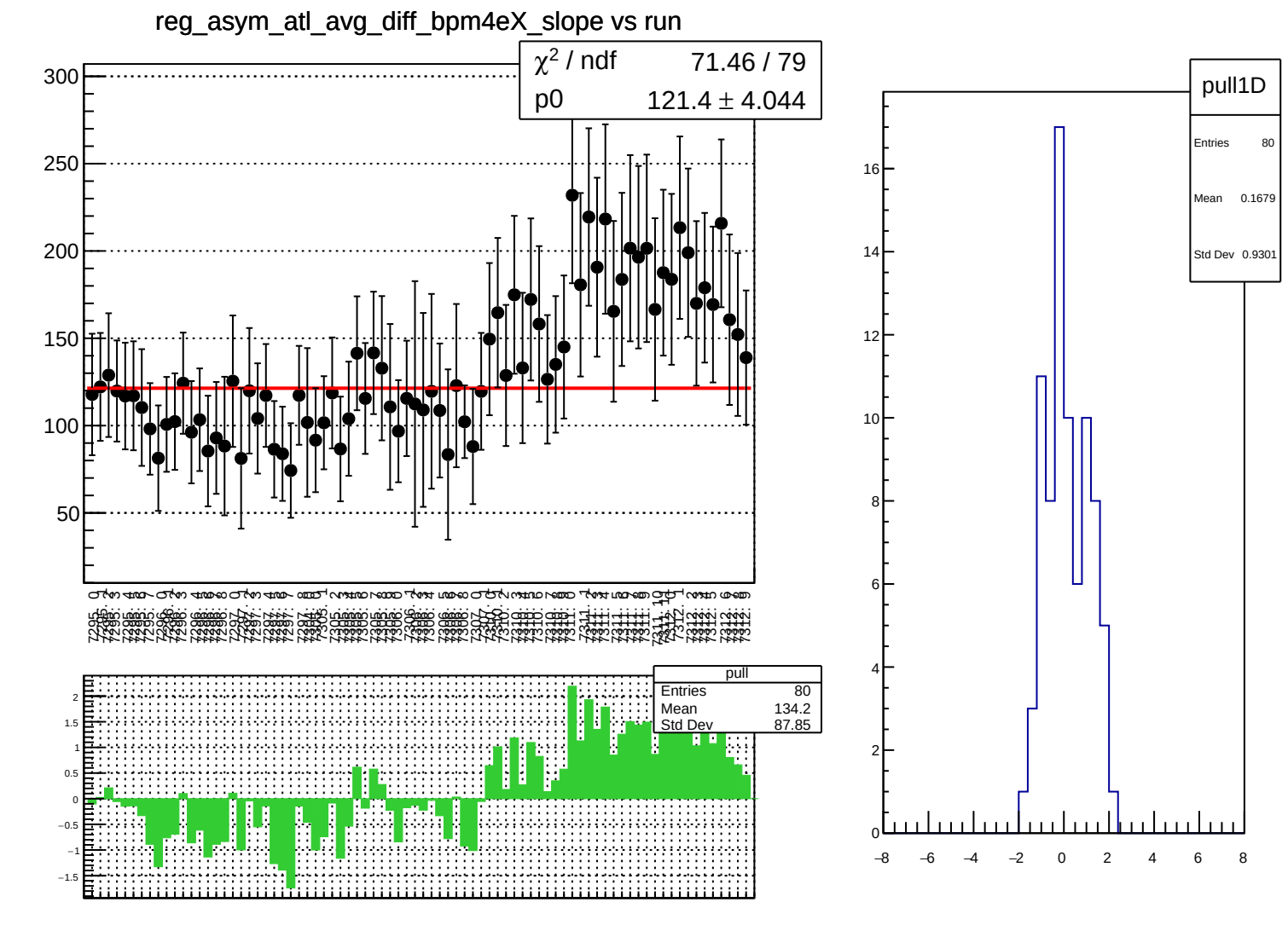

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 48.87 / 79
p0 193.5 ± 8.747
pull
Entries 80
Mean 268.9
Std Dev 223.8
pull1D
Entries 80
Mean −0.06111
Std Dev 0.7792

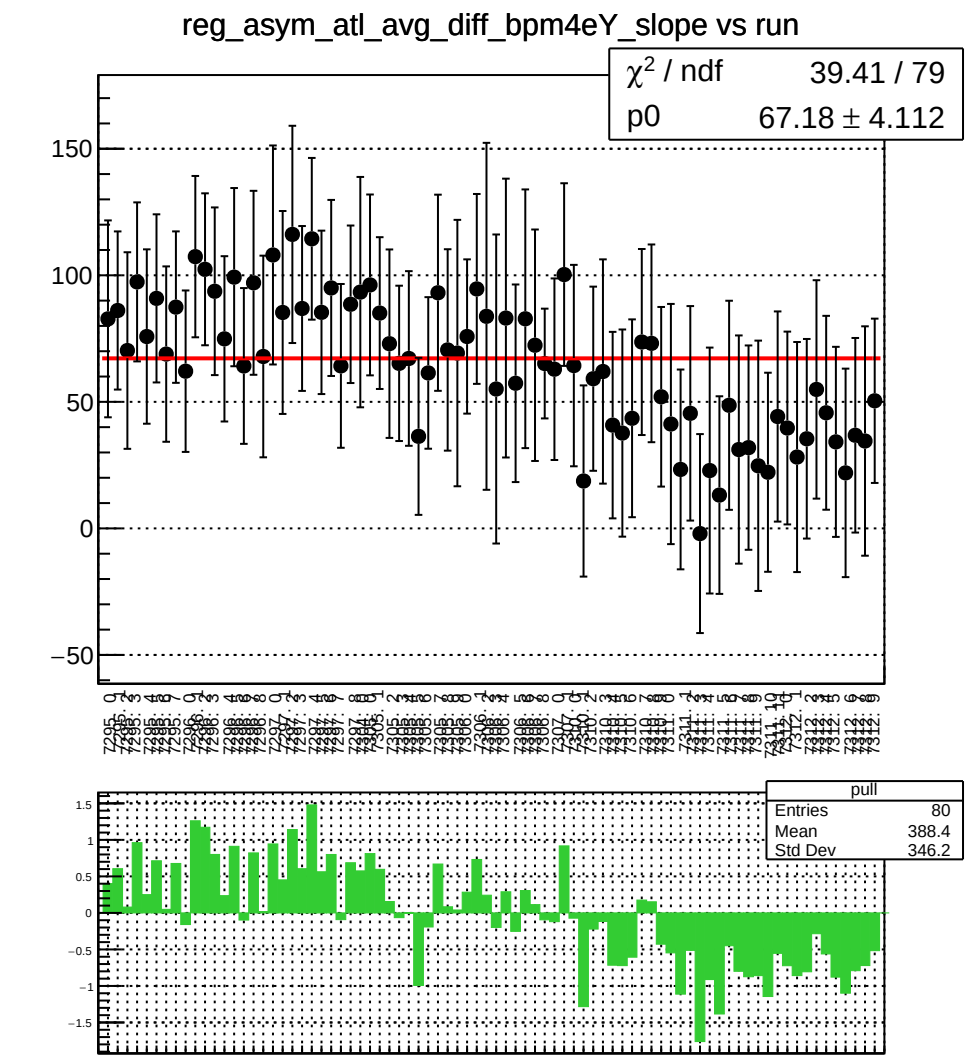

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 35.14 / 79
p0 −253.6 ± 0.3928
pull
Entries 80
Mean 341
Std Dev 305.4
pull1D
Entries 80
Mean −0.02683
Std Dev 0.6622

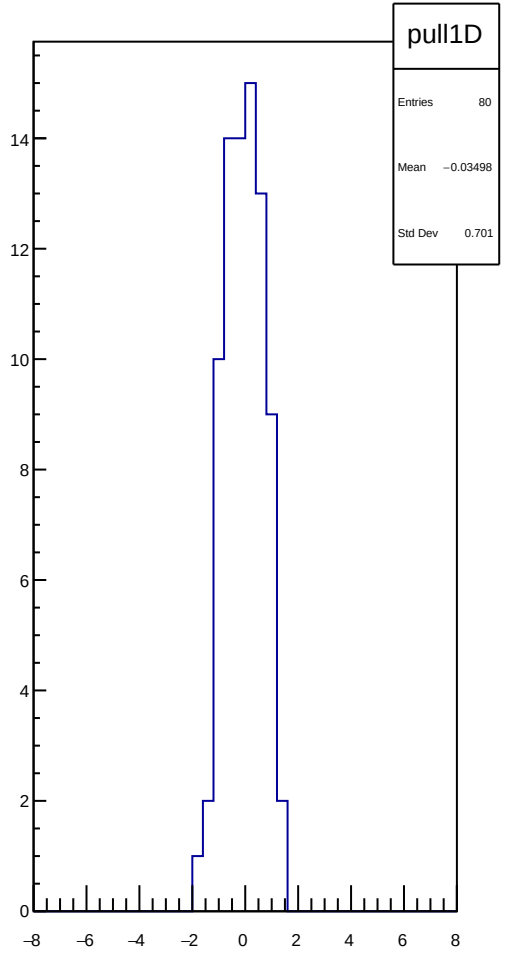

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 64.48 / 79
p0 −134 ± 4.086
pull
Entries 80
Mean 134.4
Std Dev 87.67
pull1D
Entries 80
Mean −0.1542
Std Dev 0.8844

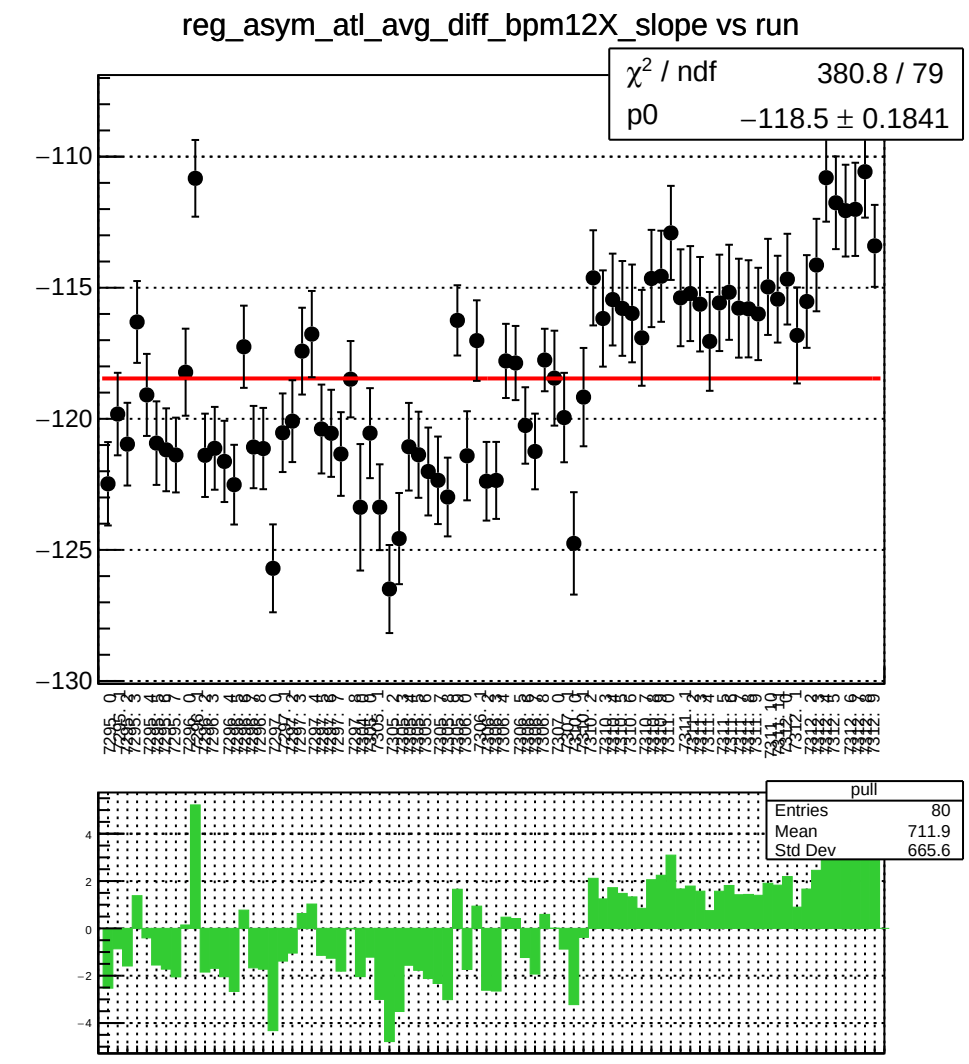

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.34 / 79
p0 −12.49 ± 3.828
pull
Entries 80
Mean 522.1
Std Dev 479.8

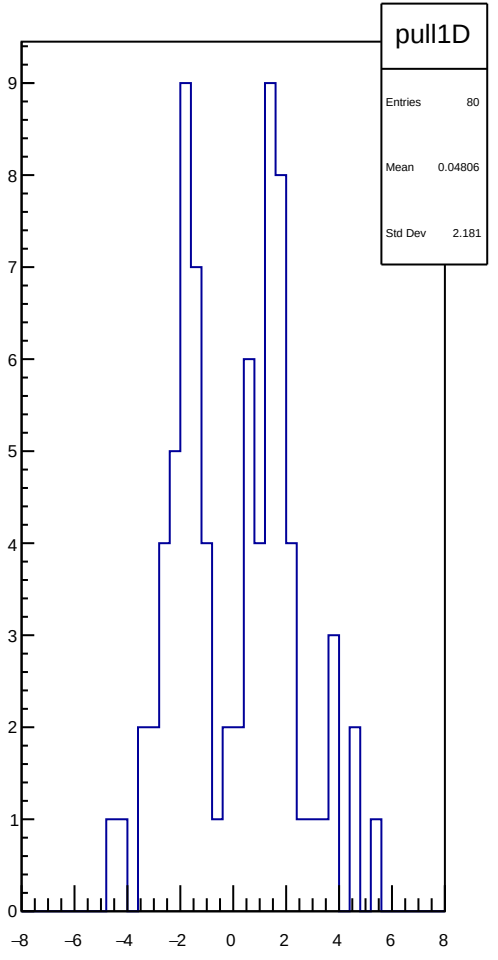

pull1D
Entries 80
Mean 0.02278
Std Dev 0.6642

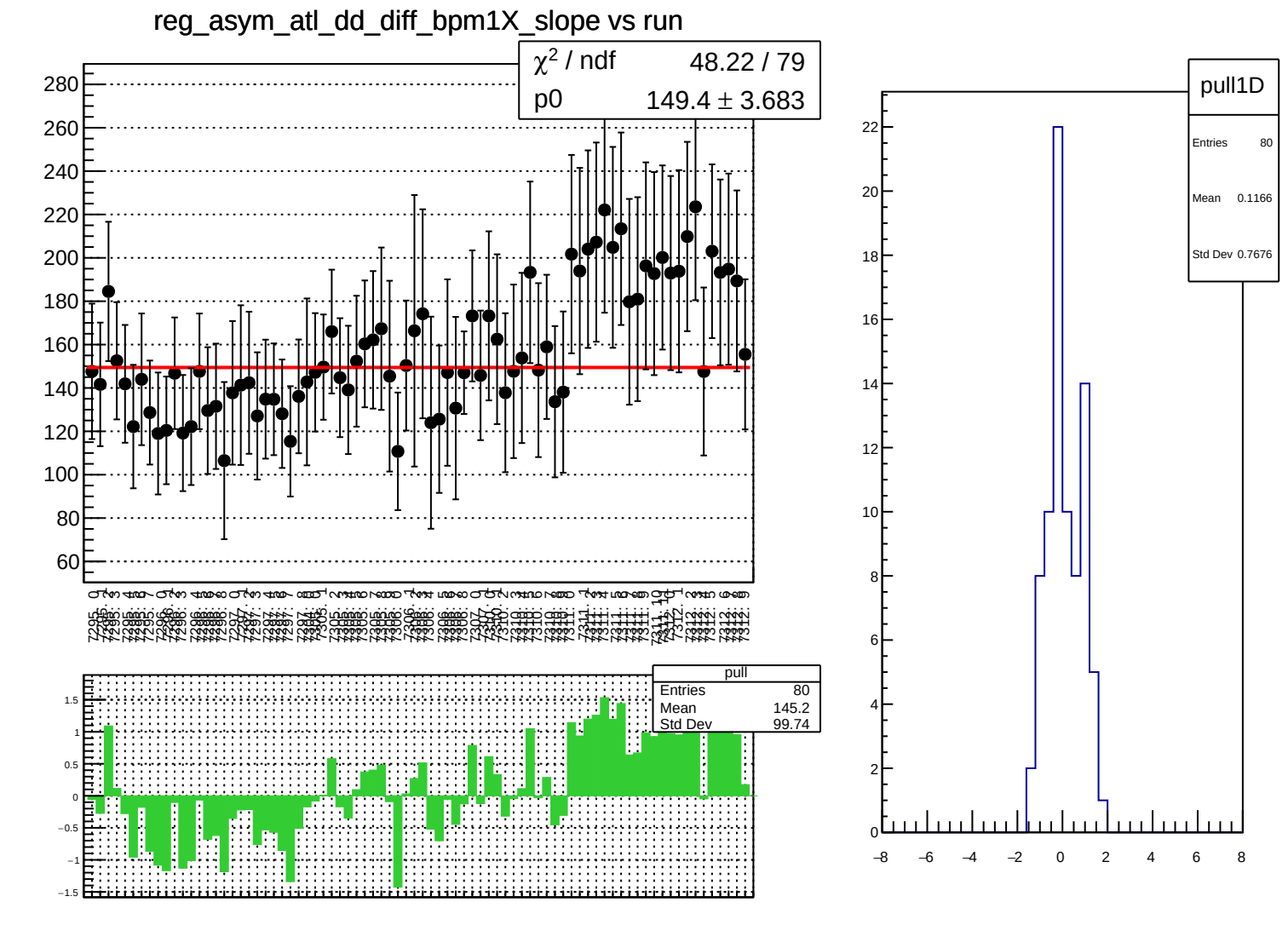

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.46 / 79
p0 121.4 ± 4.044
pull
Entries 80
Mean 134.2
Std Dev 87.85
pull1D
Entries 80
Mean 0.1679
Std Dev 0.9301

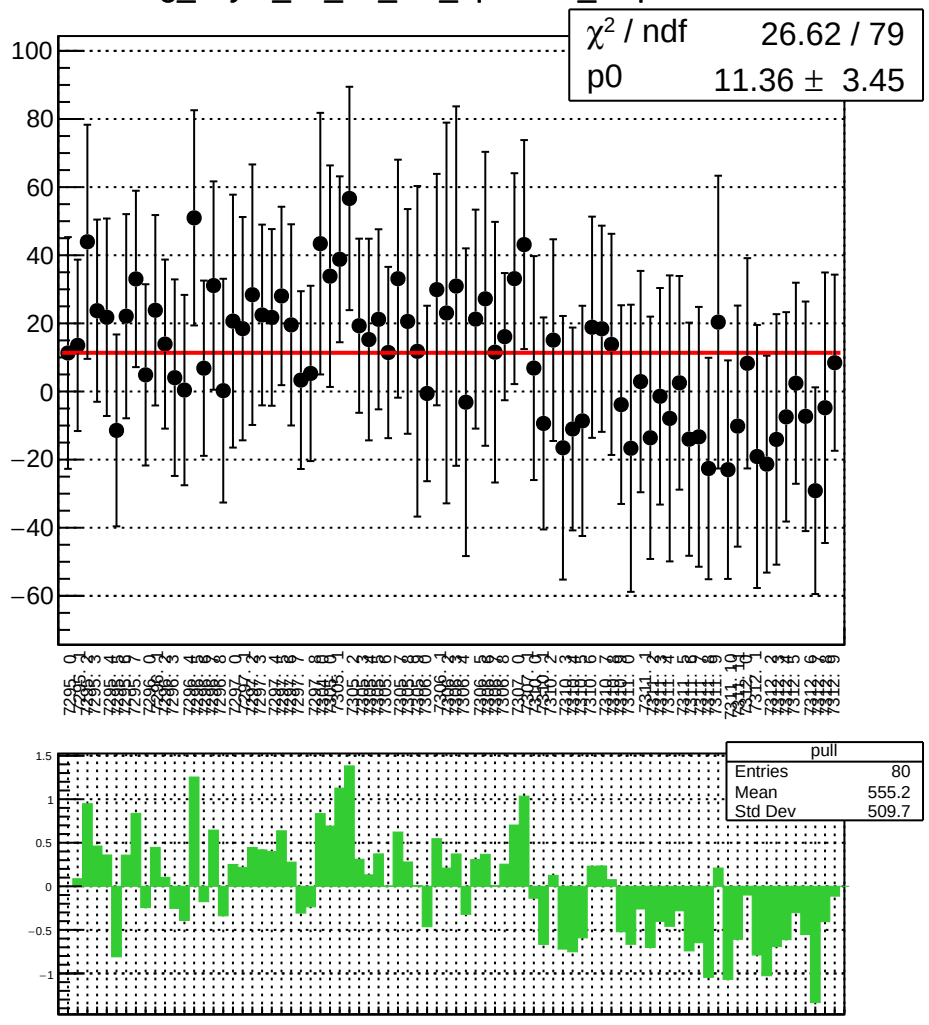

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.41 / 79
p0 67.18 ± 4.112
150
100
50
0
−50
pull
Entries 80
Mean 388.4
Std Dev 346.2
1.5
1
0.5
0
−0.5
−1
−1.5

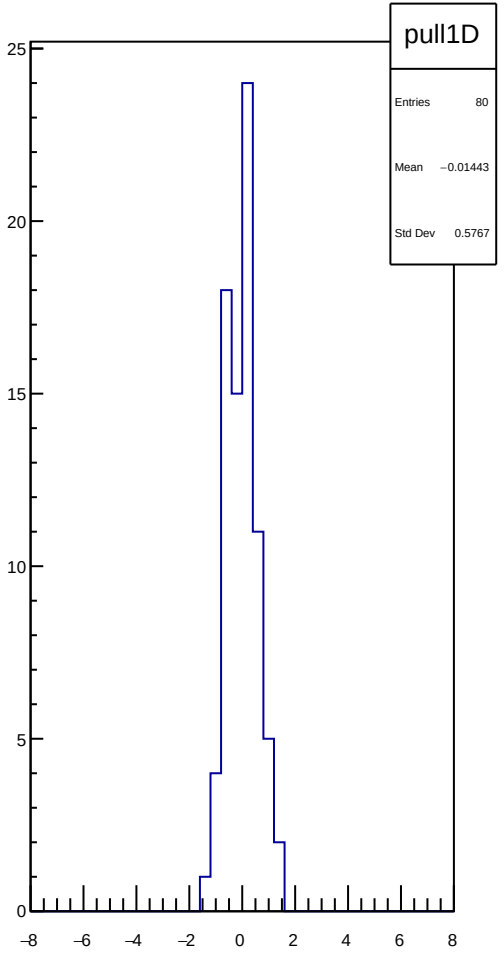

pull1D
Entries 80
Mean −0.03498
Std Dev 0.701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

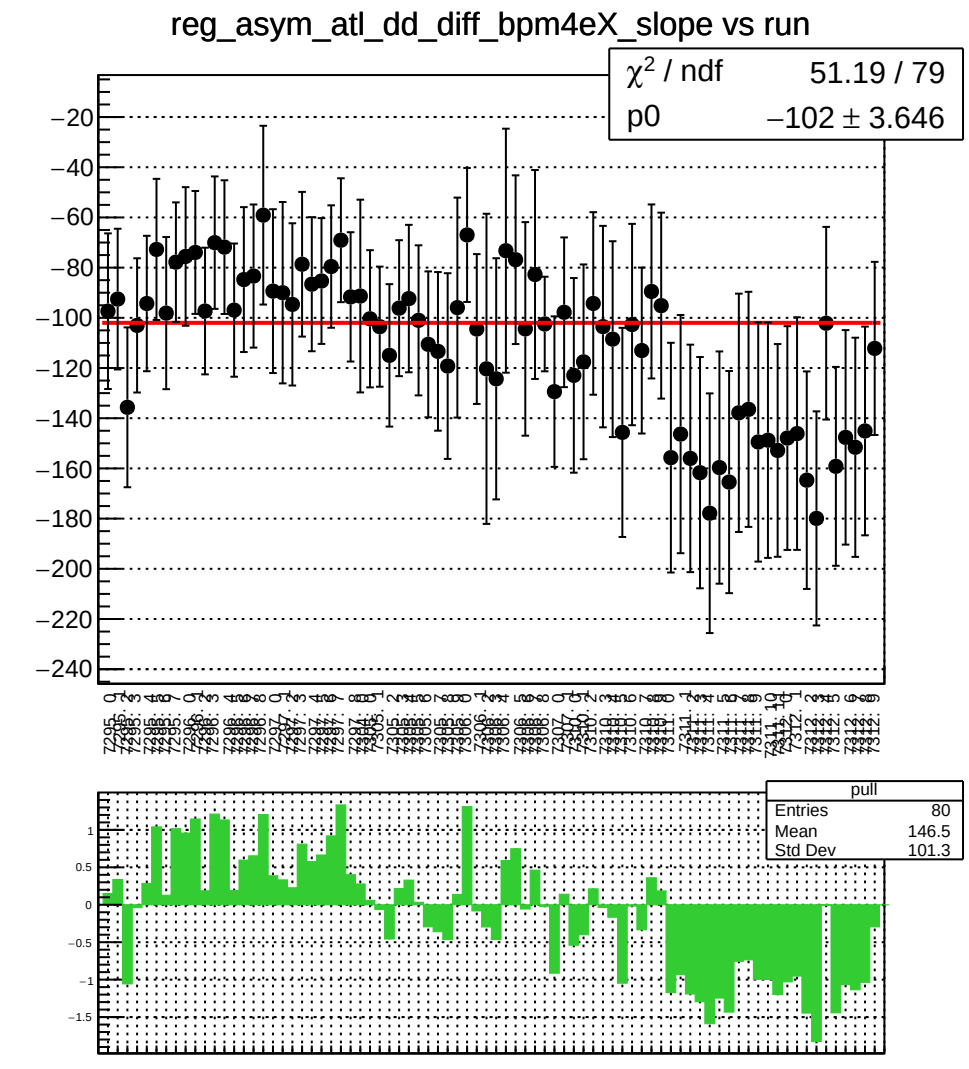

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 380.8 / 79
p0 −118.5 ± 0.1841
−110
−115
−120
−125
−130
pull
Entries 80
Mean 711.9
Std Dev 665.6
4
2
0
−2
−4

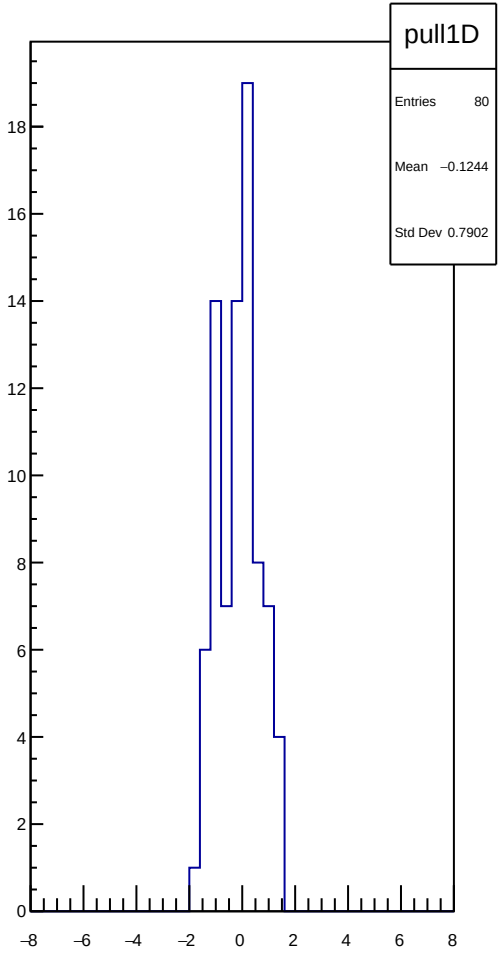

pull1D
Entries 80
Mean 0.04806
Std Dev 2.181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

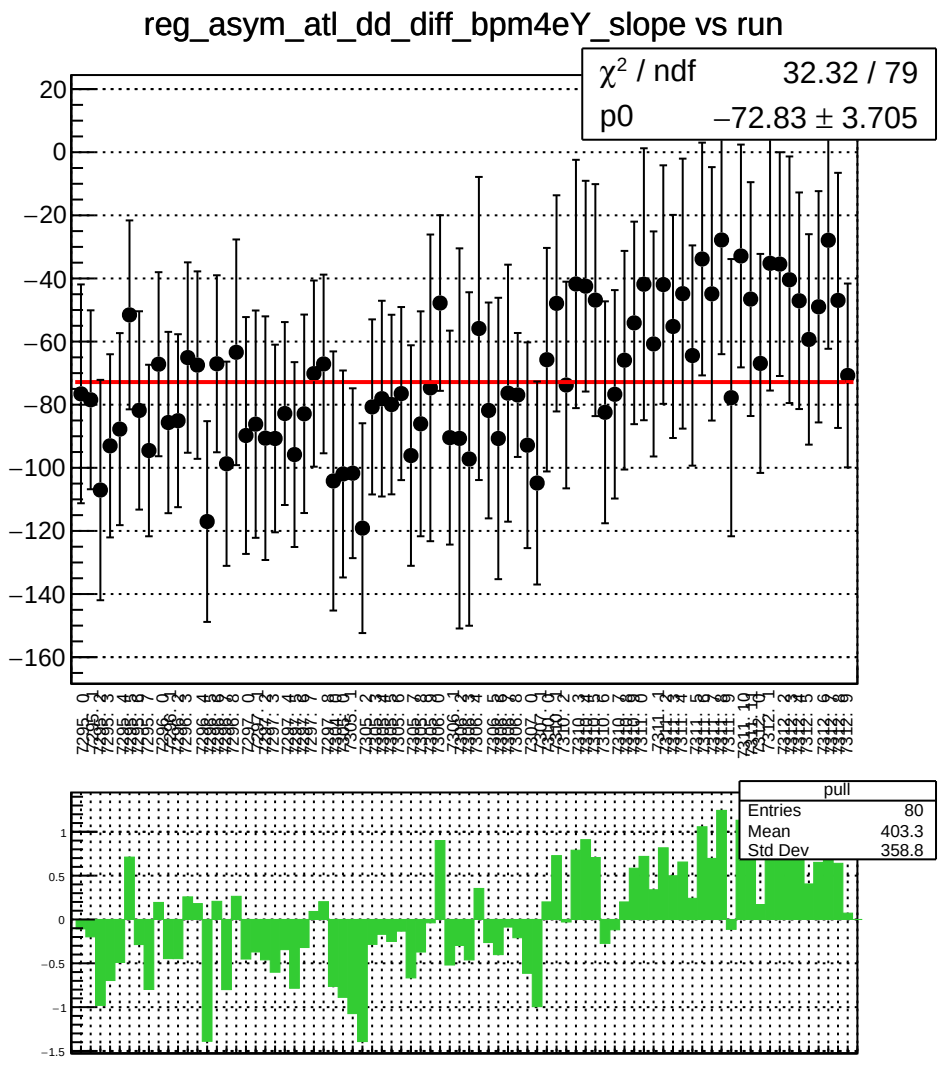

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.22 / 79
p0 149.4 ± 3.683
pull
Entries 80
Mean 145.2
Std Dev 99.74
pull1D
Entries 80
Mean 0.1166
Std Dev 0.7676

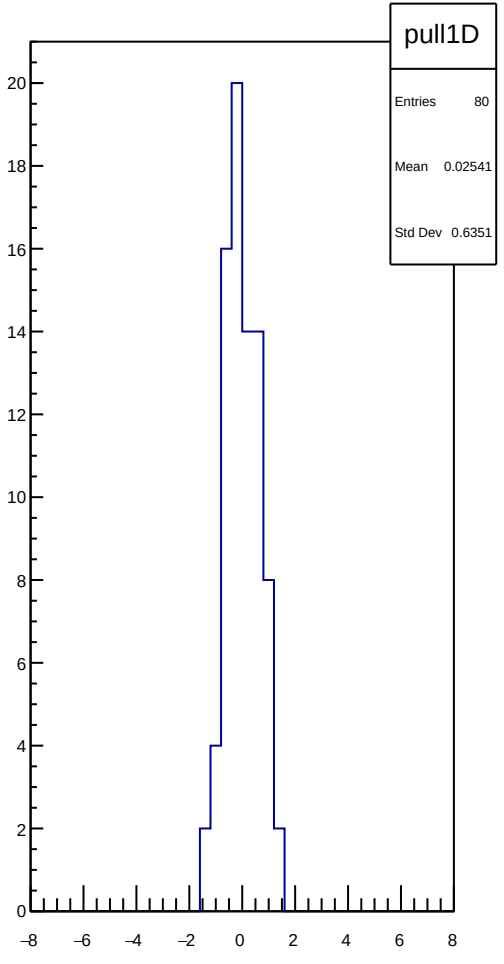

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.62 / 79
p0 11.36 ± 3.45
pull
Entries 80
Mean 555.2
Std Dev 509.7

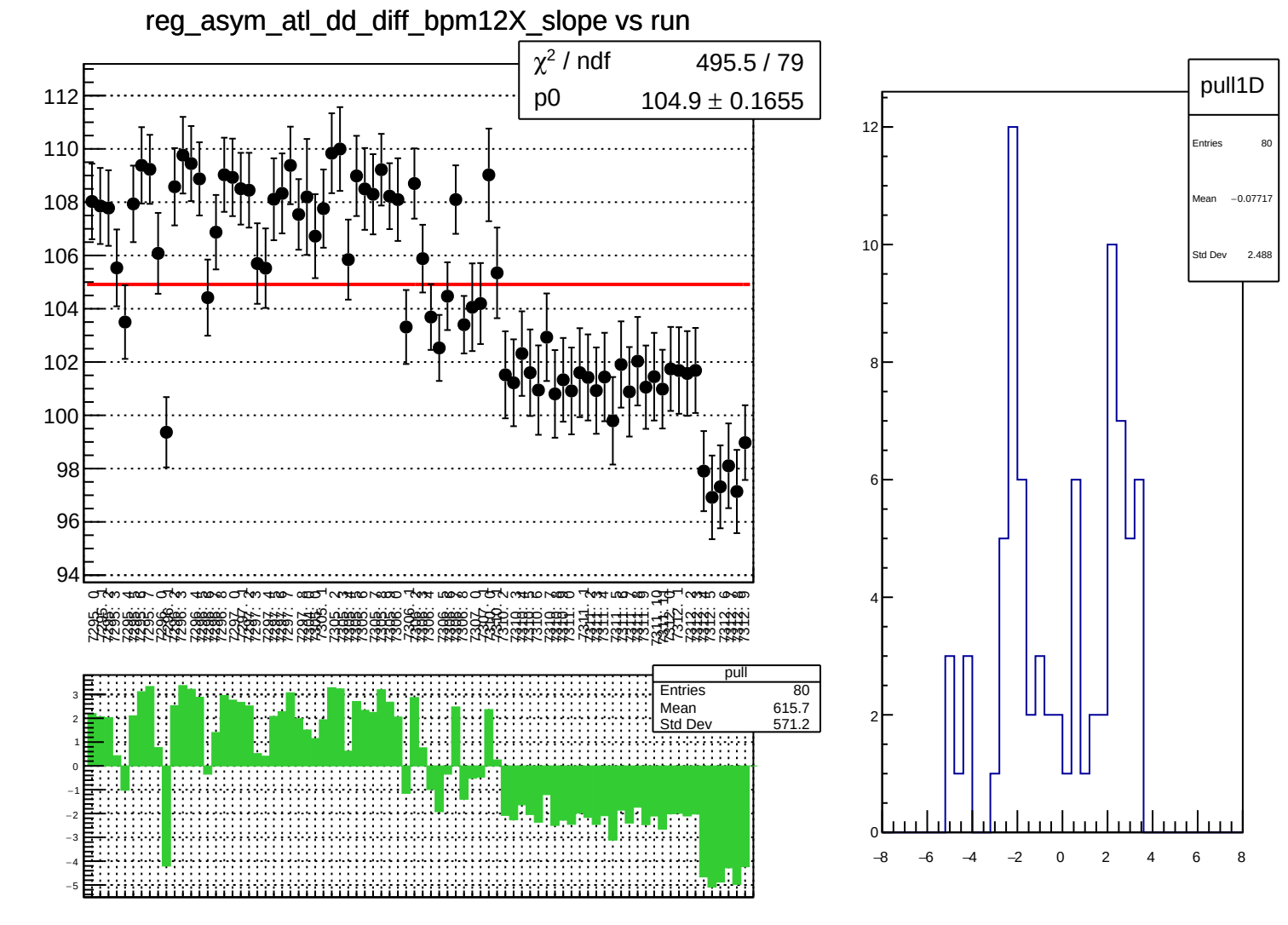

pull1D
Entries 80
Mean −0.01443
Std Dev 0.5767

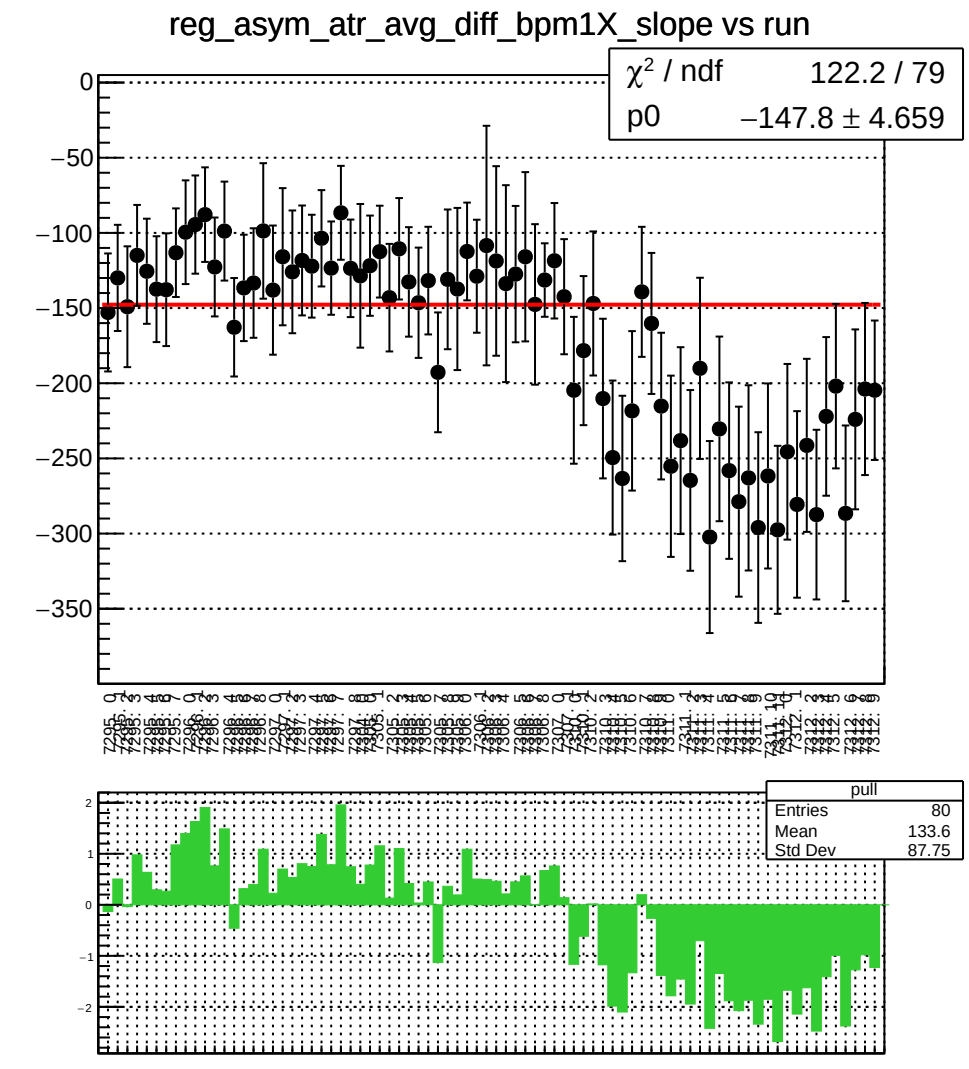

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.19 / 79
p0 −102 ± 3.646
pull
Entries 80
Mean 146.5
Std Dev 101.3

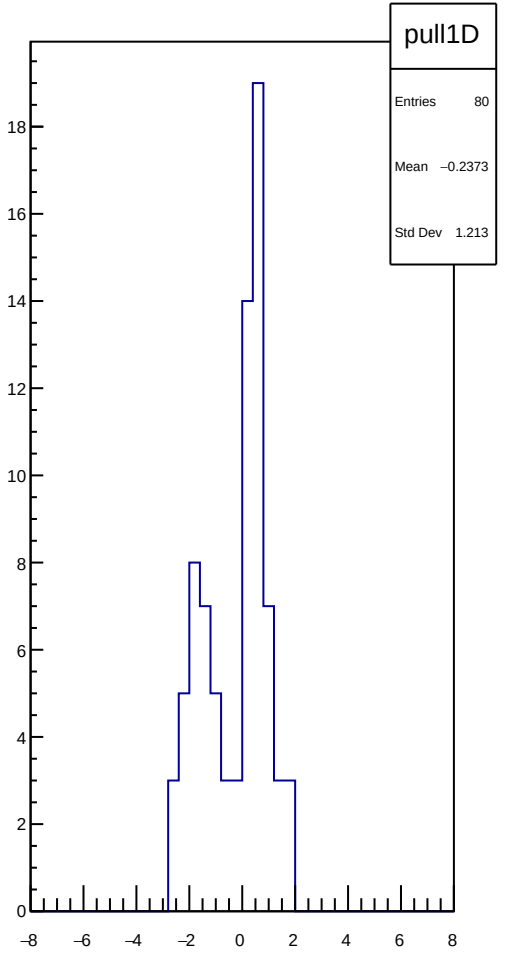

pull1D
Entries 80
Mean −0.1244
Std Dev 0.7902

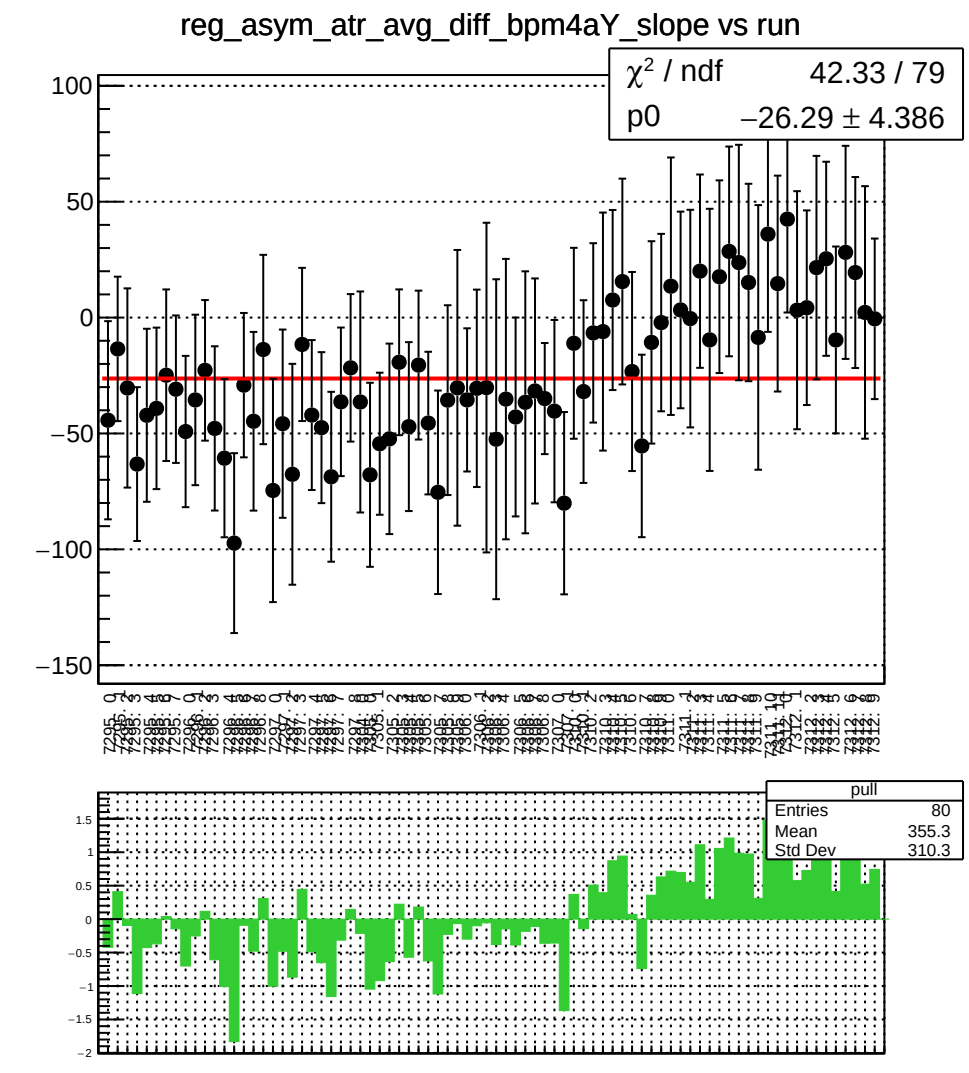

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.32 / 79
p0 −72.83 ± 3.705
pull
Entries 80
Mean 403.3
Std Dev 358.8

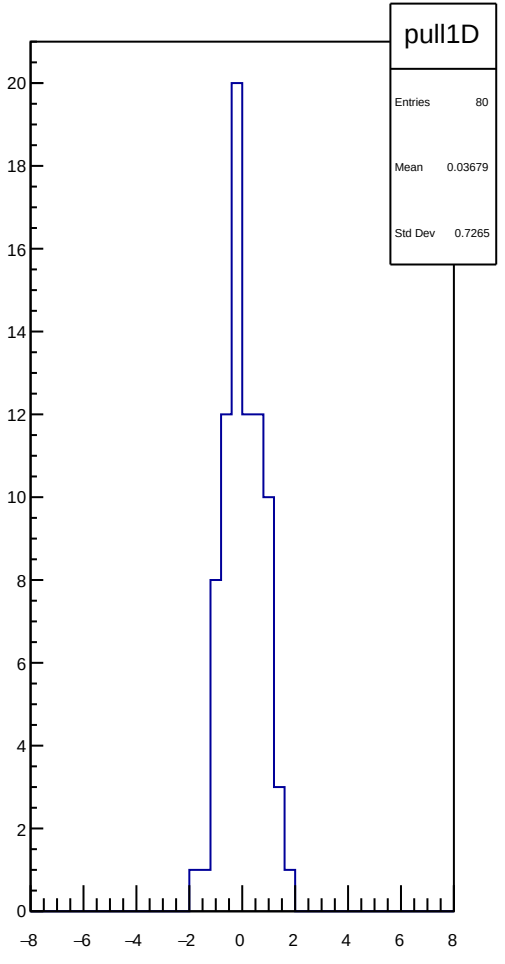

pull1D
Entries 80
Mean 0.02541
Std Dev 0.6351

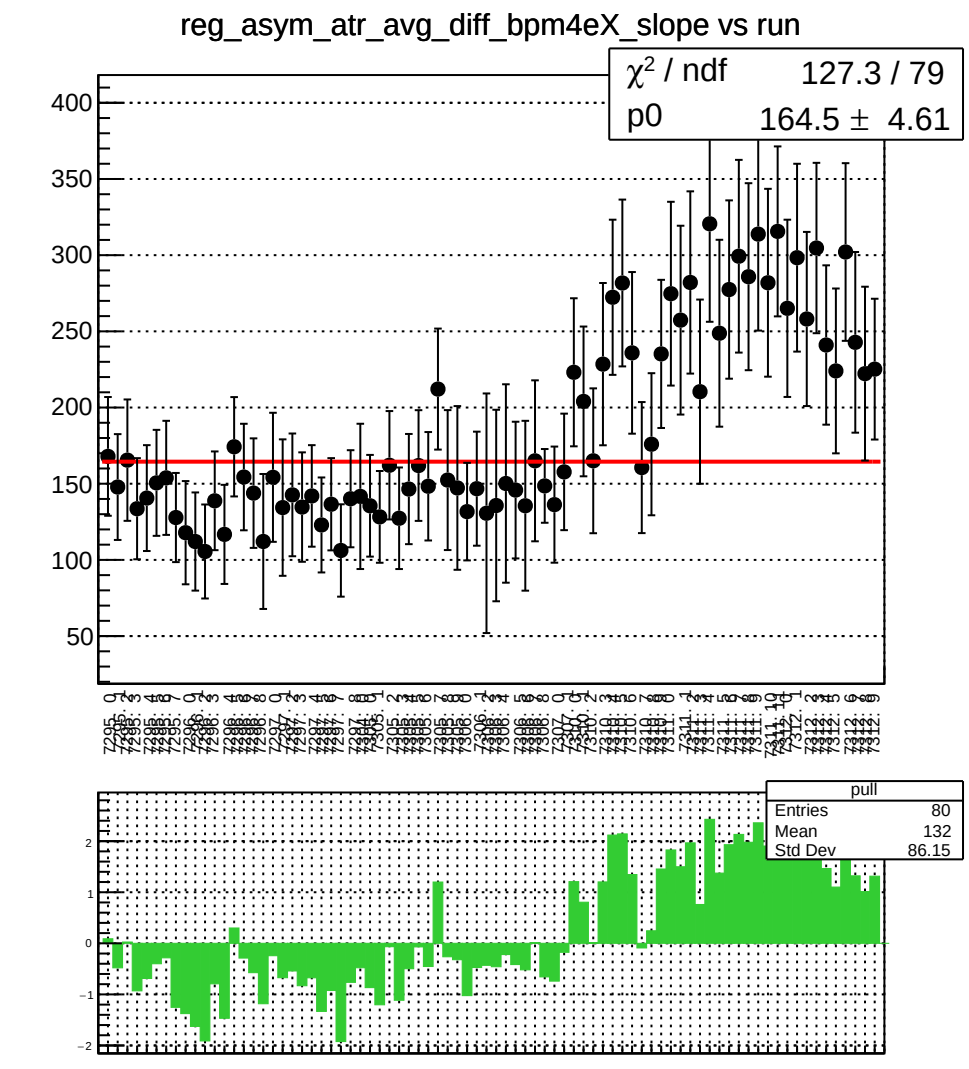

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 495.5 / 79
p0 104.9 ± 0.1655
pull
Entries 80
Mean 615.7
Std Dev 571.2
pull1D
Entries 80
Mean −0.07717
Std Dev 2.488

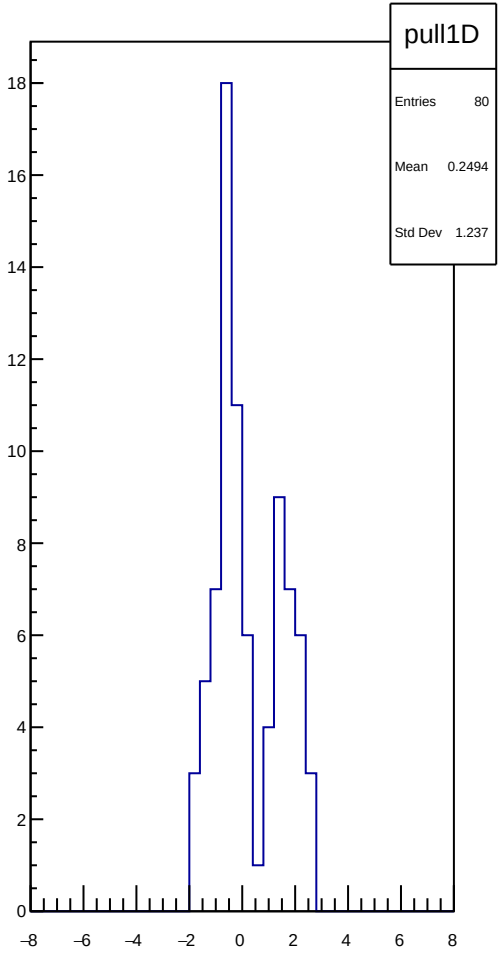

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 122.2 / 79
p0 −147.8 ± 4.659
pull
Entries 80
Mean 133.6
Std Dev 87.75

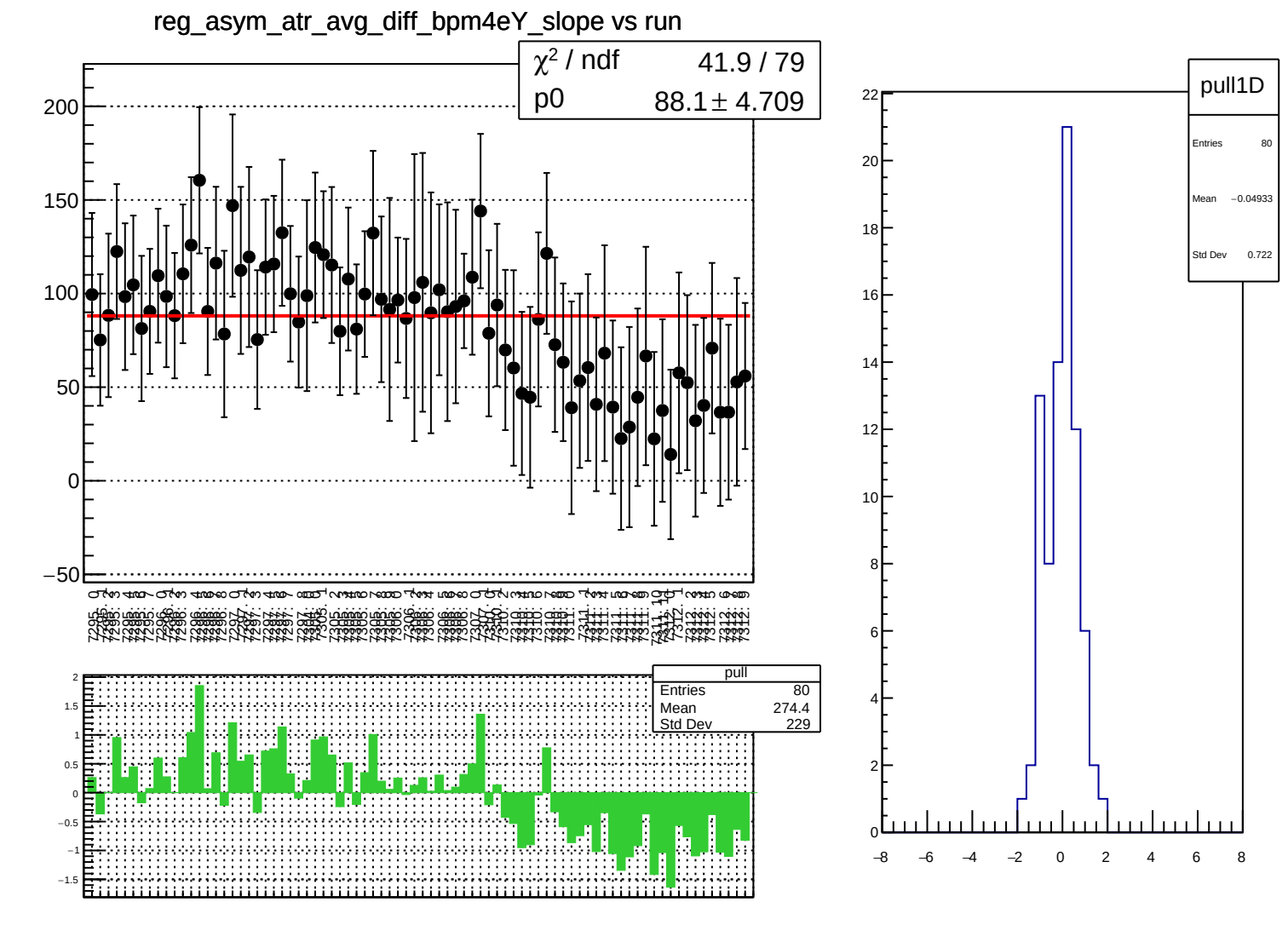

pull1D
Entries 80
Mean −0.2373
Std Dev 1.213

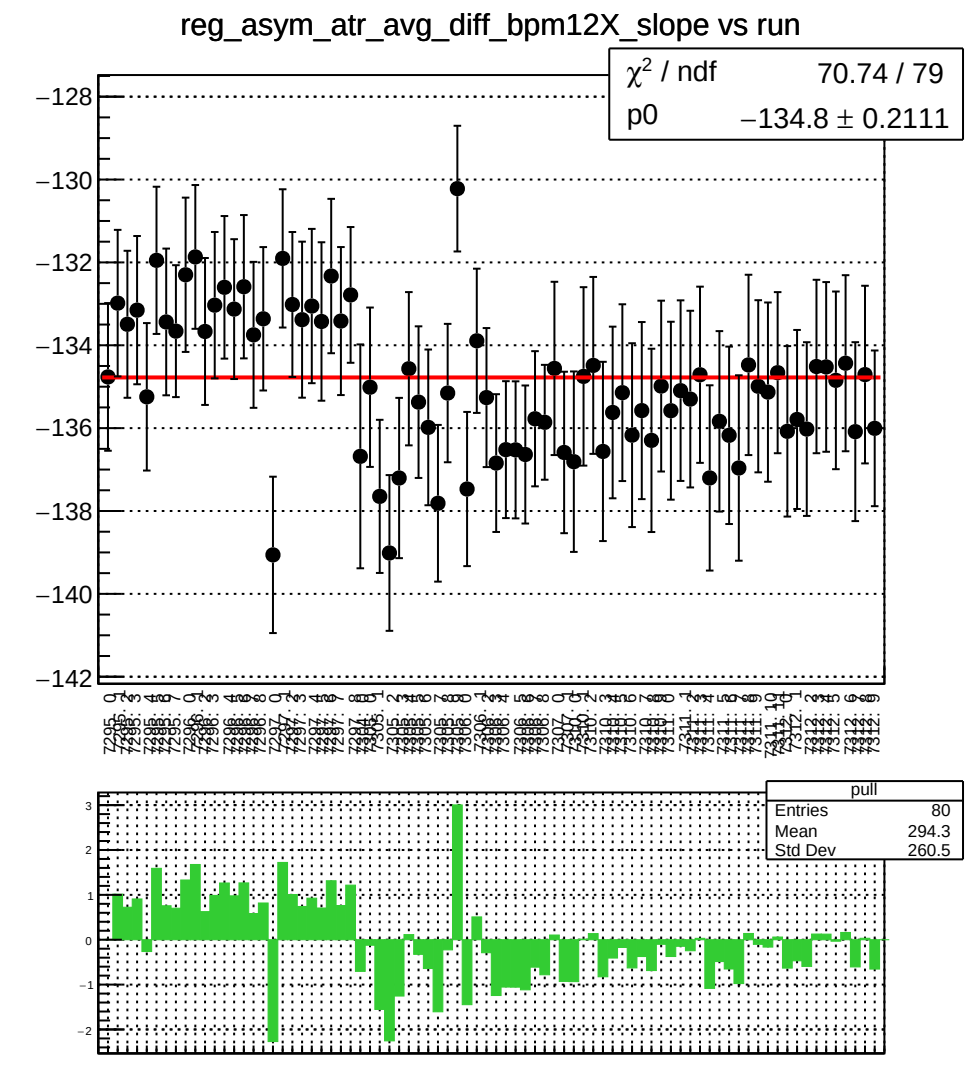

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.33 / 79
p0 −26.29 ± 4.386
pull
Entries 80
Mean 355.3
Std Dev 310.3

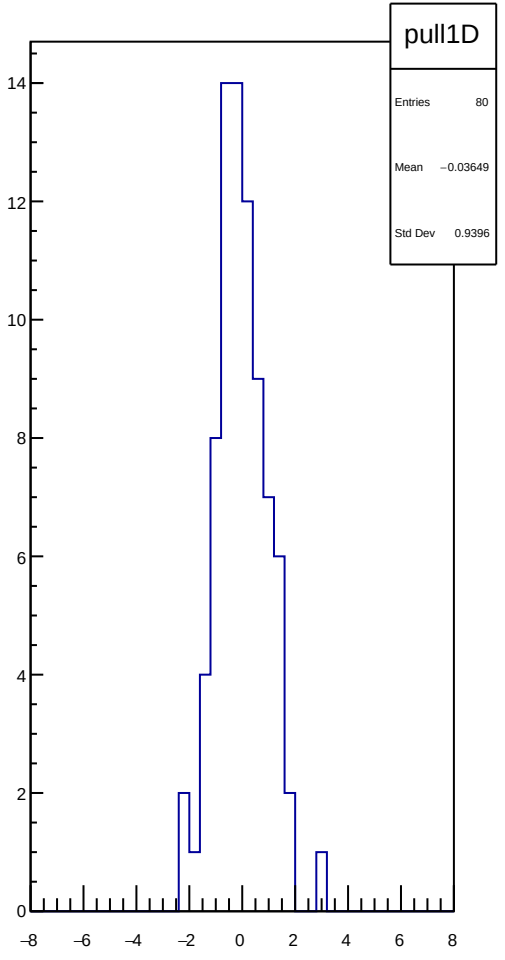

pull1D
Entries 80
Mean 0.03679
Std Dev 0.7265

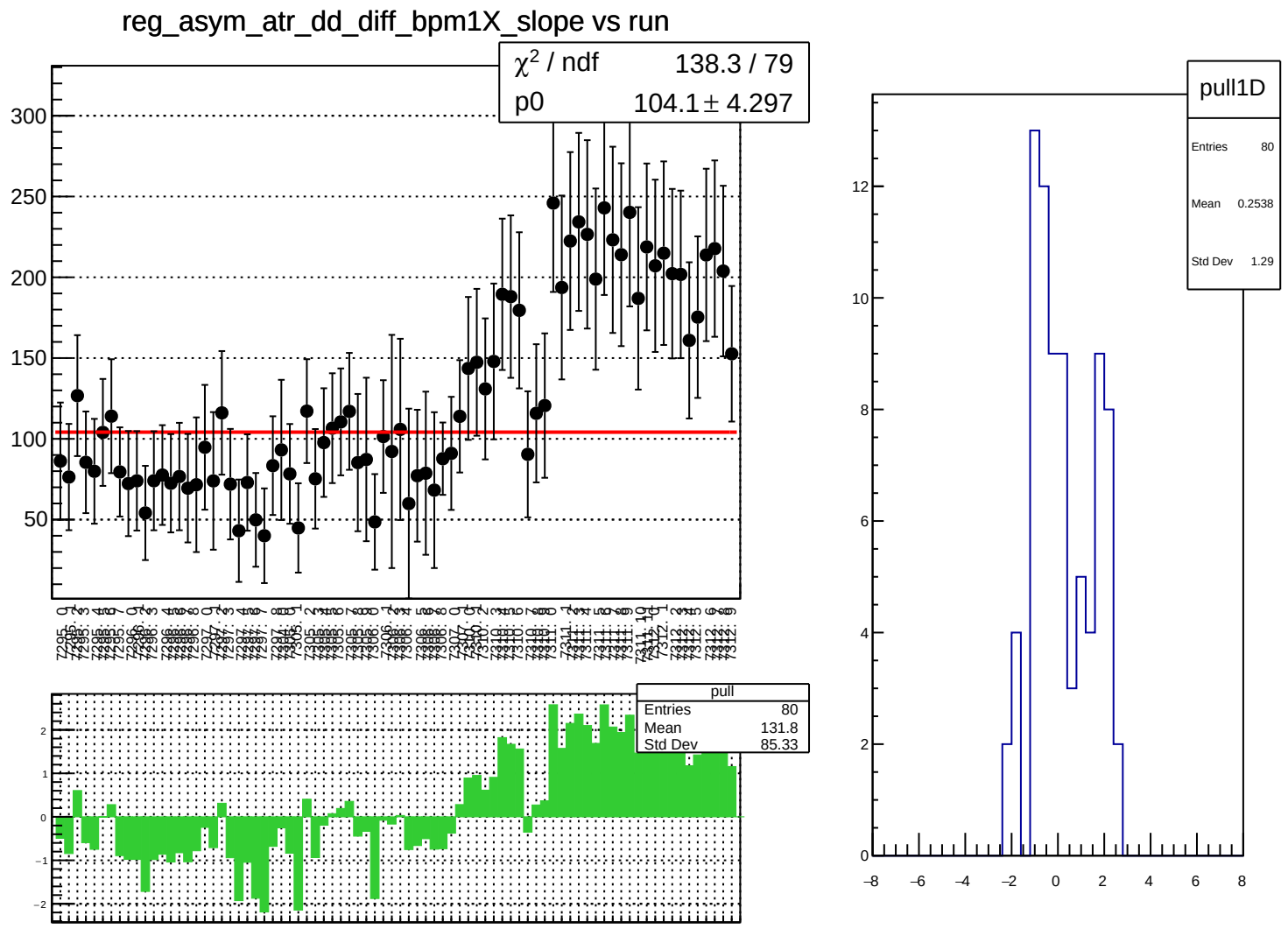

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 127.3 / 79
p0 164.5 ± 4.61
pull
Entries 80
Mean 132
Std Dev 86.15

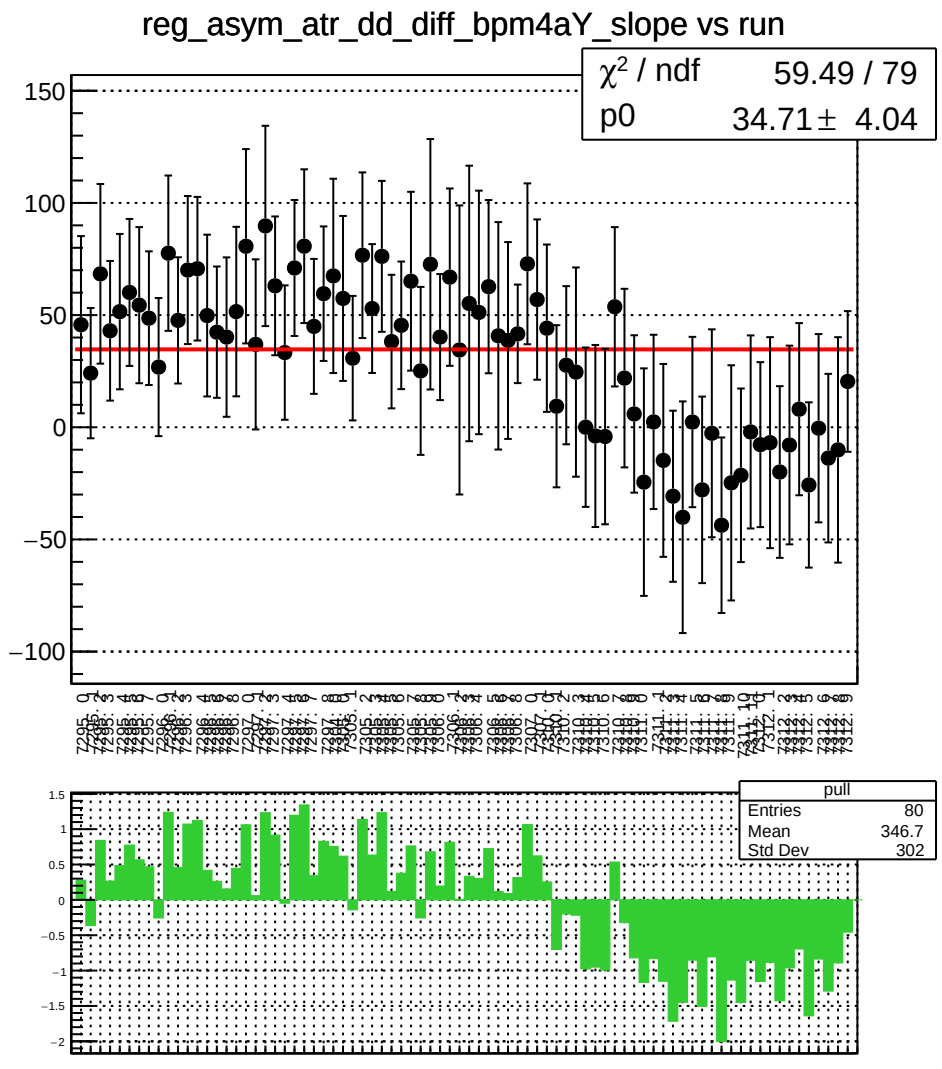

pull1D
Entries 80
Mean 0.2494
Std Dev 1.237

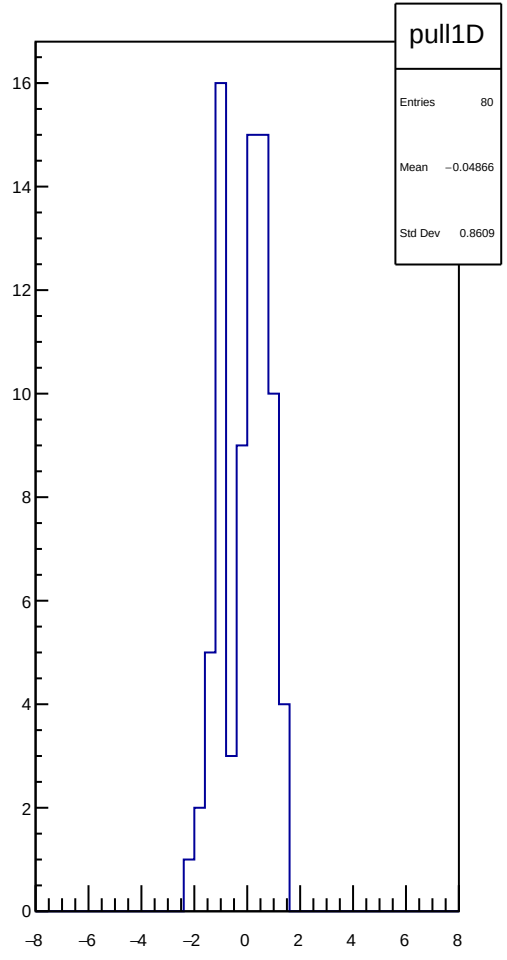

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.9 / 79
p0 88.1 ± 4.709
pull
Entries 80
Mean 274.4
Std Dev 229
pull1D
Entries 80
Mean −0.04933
Std Dev 0.722

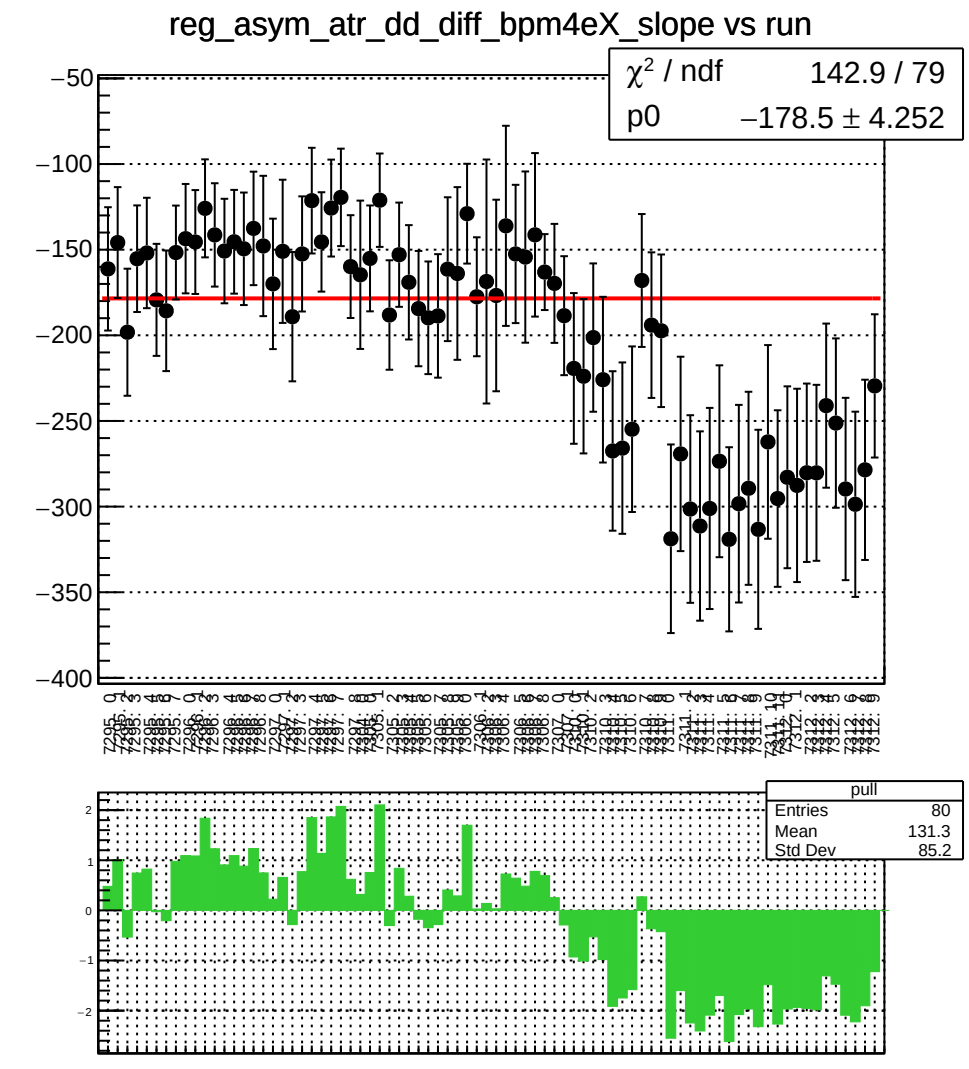

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 70.74 / 79
p0 −134.8 ± 0.2111
pull
Entries 80
Mean 294.3
Std Dev 260.5

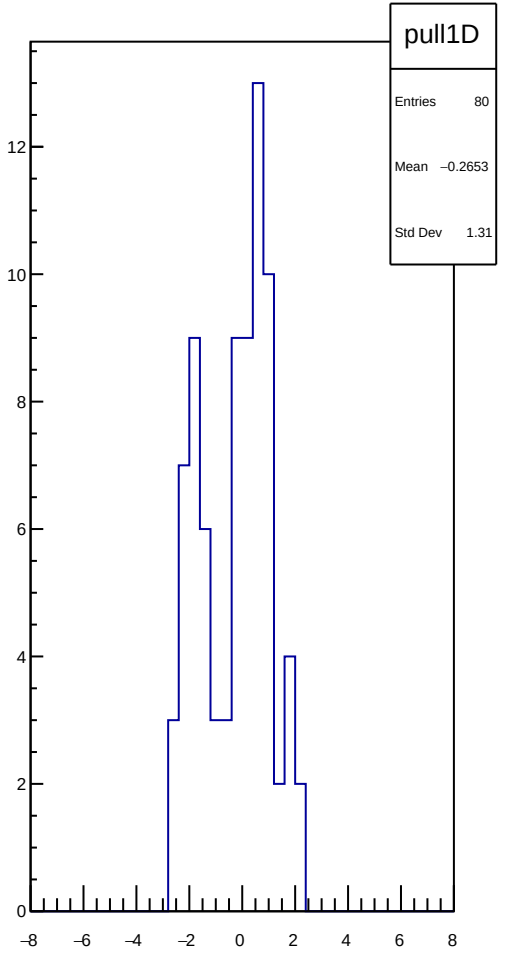

pull1D
Entries 80
Mean −0.03649
Std Dev 0.9396

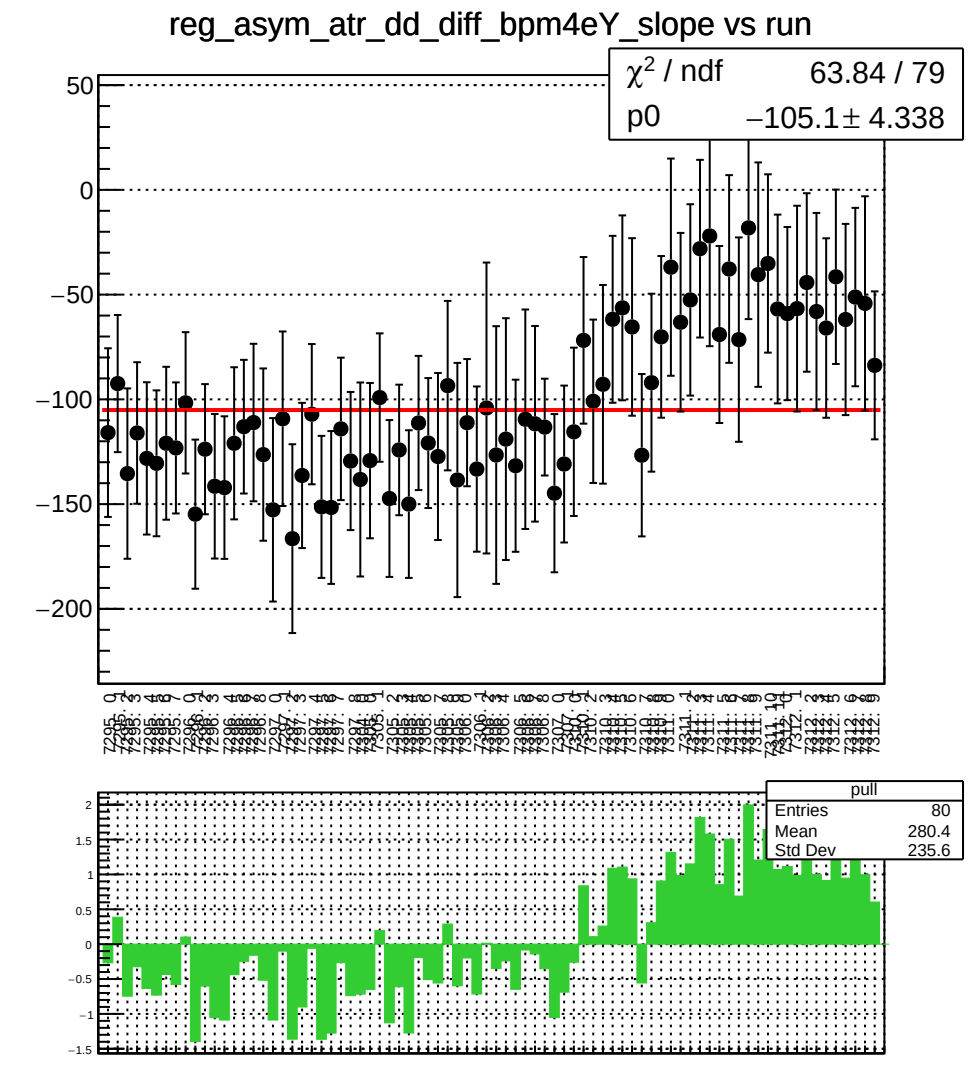

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 138.3 / 79
p0 104.1 ± 4.297
300
250
200
150
100
50
pull
Entries 80
Mean 131.8
Std Dev 85.33
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.2538
Std Dev 1.29
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

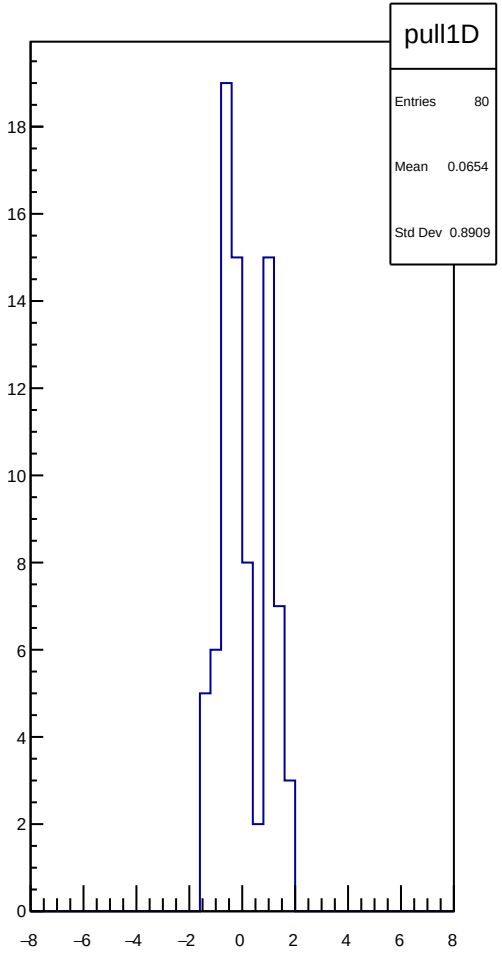

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.49 / 79
p0 34.71 ± 4.04
150
100
50
0
−50
−100
pull
Entries 80
Mean 346.7
Std Dev 302
1.5
1
0.5
0
−0.5
−1
−1.5
−2

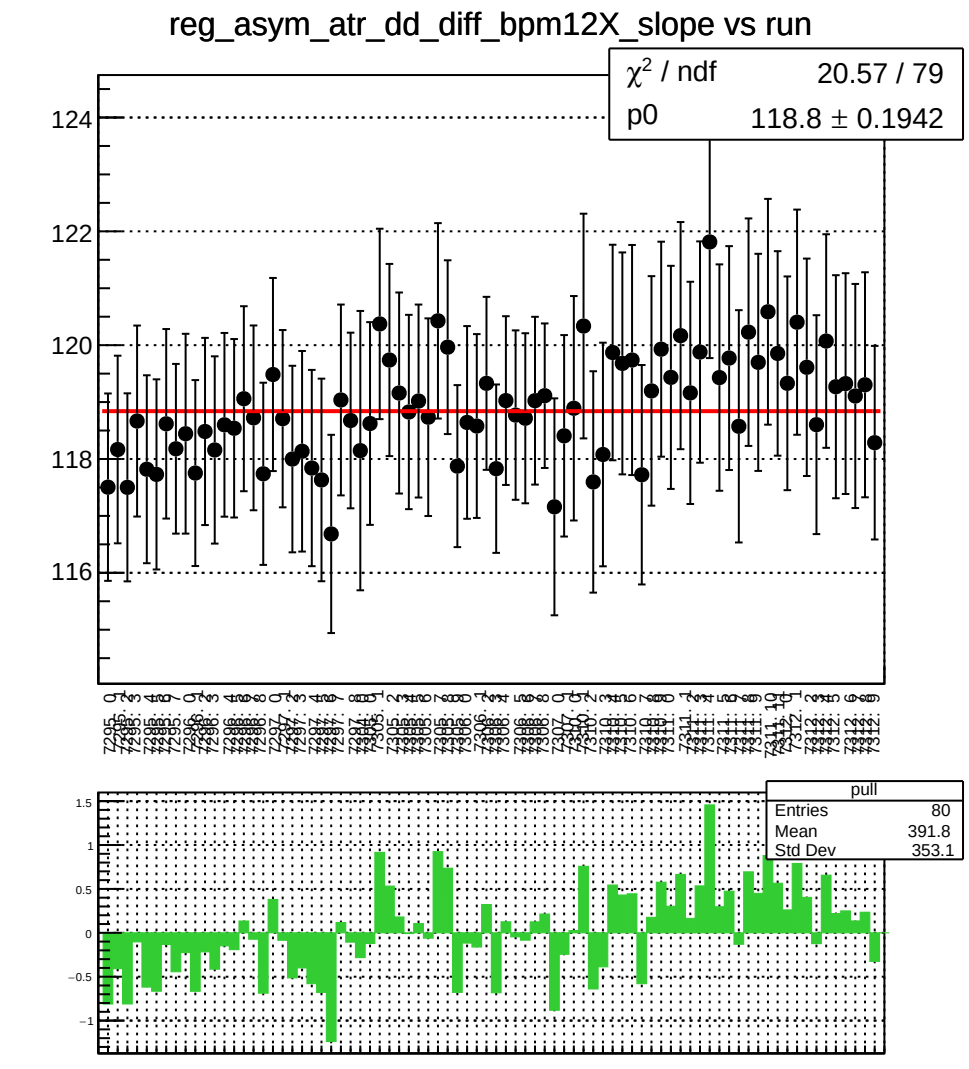

pull1D
Entries 80
Mean −0.04866
Std Dev 0.8609
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

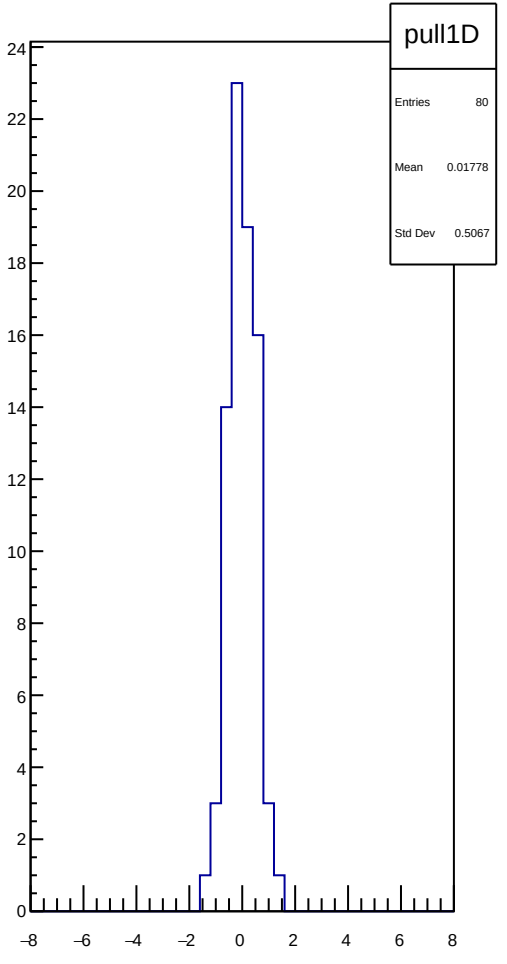

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 142.9 / 79
p0 −178.5 ± 4.252
pull
Entries 80
Mean 131.3
Std Dev 85.2

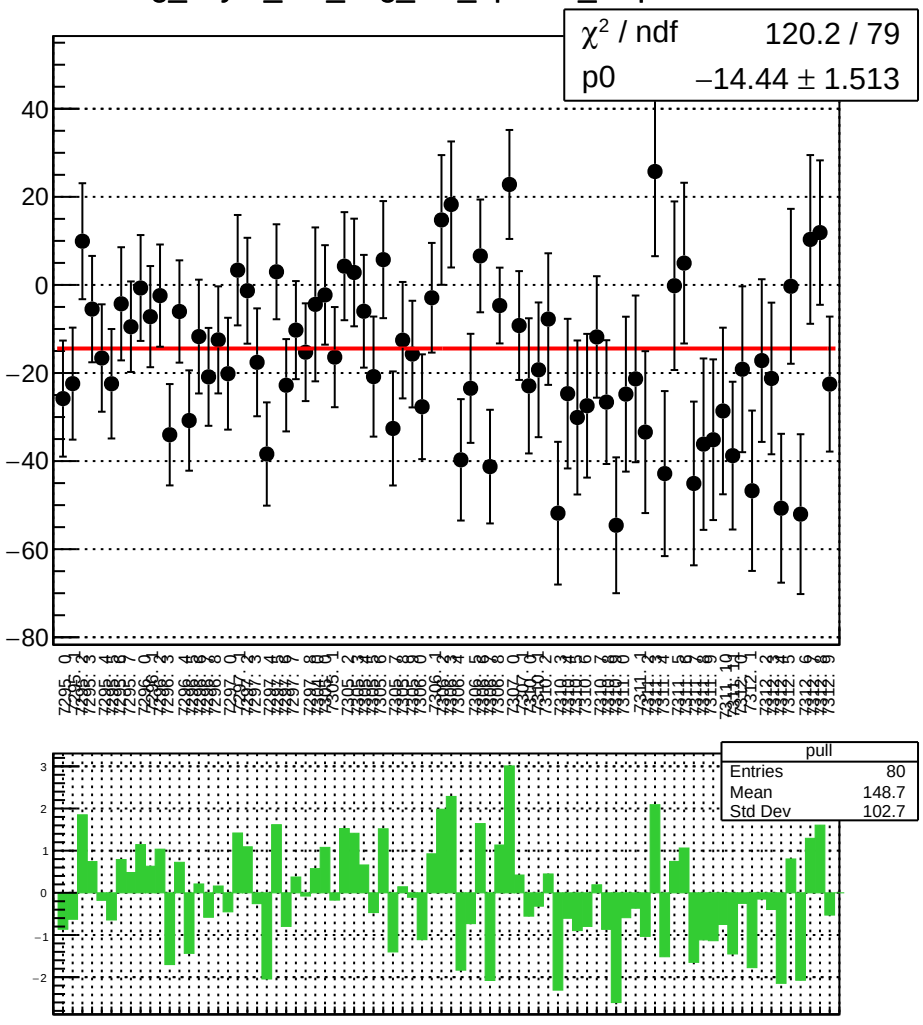

pull1D
Entries 80
Mean −0.2653
Std Dev 1.31

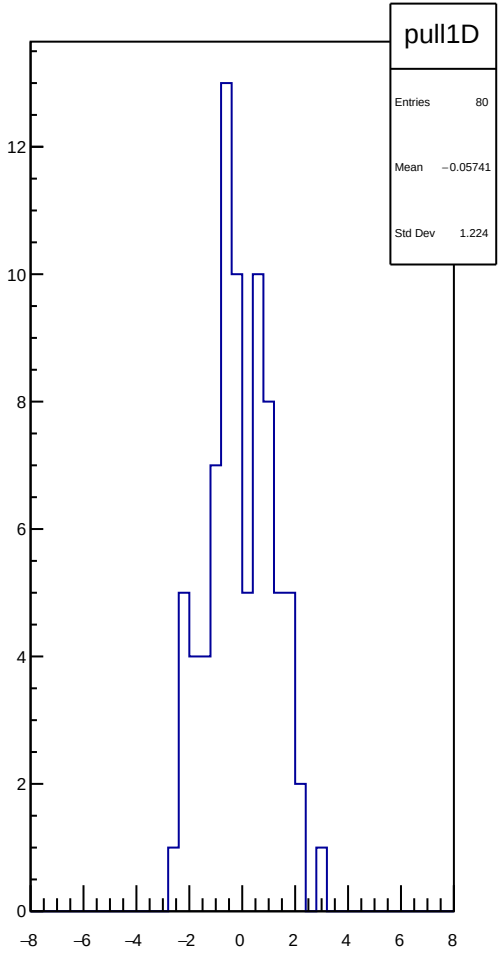

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.84 / 79
p0 −105.1 ± 4.338
pull
Entries 80
Mean 280.4
Std Dev 235.6

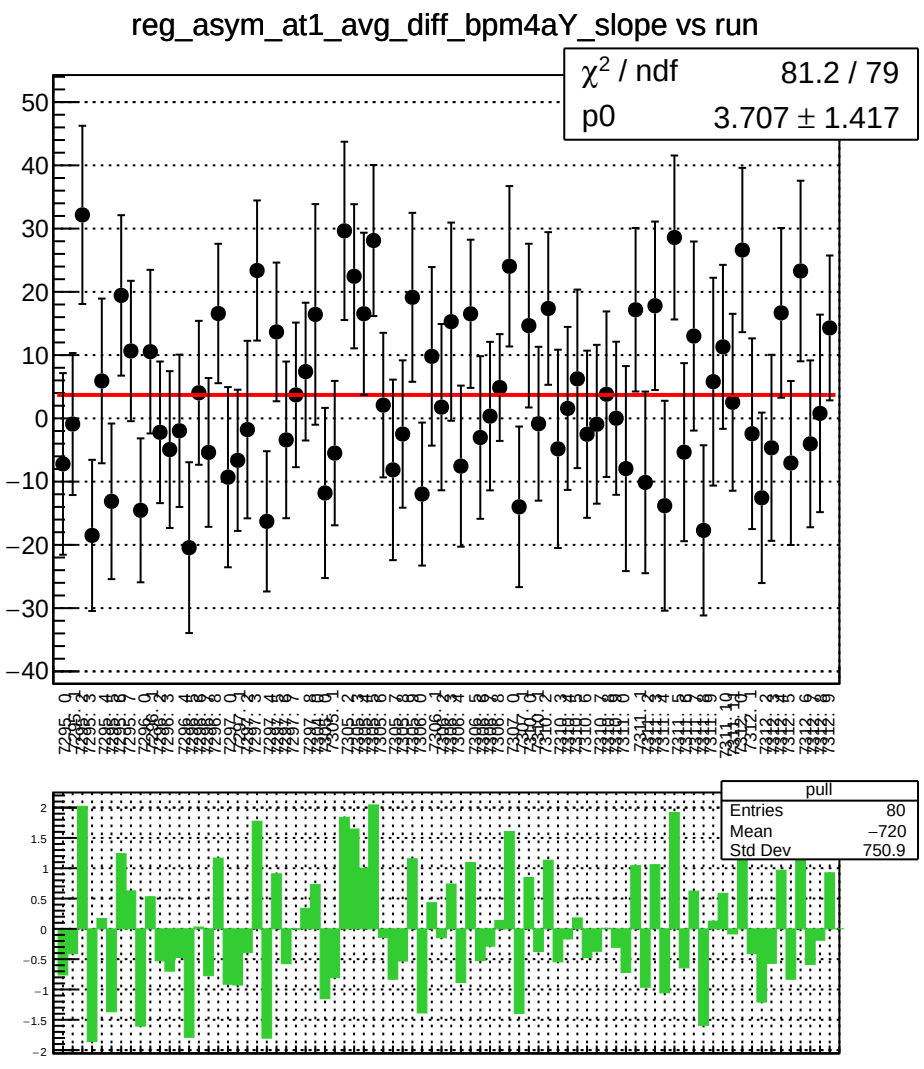

pull1D
Entries 80
Mean 0.0654
Std Dev 0.8909

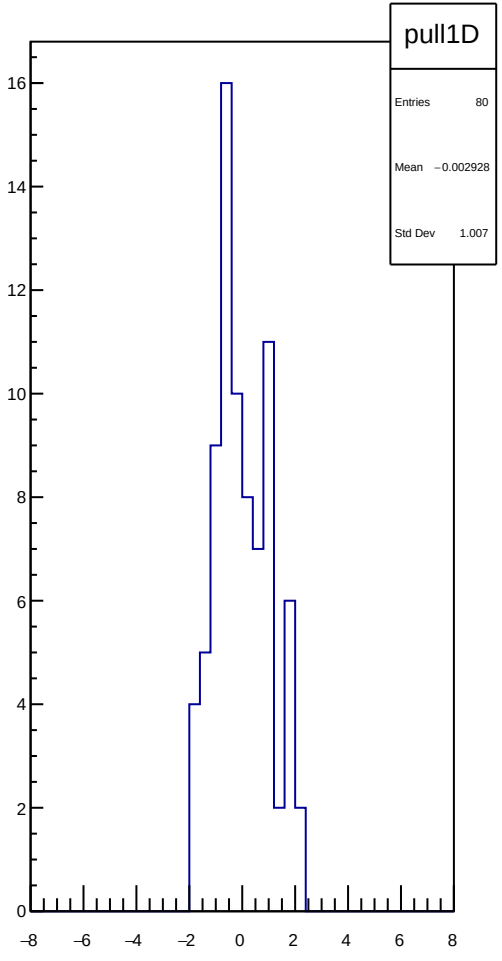

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 20.57 / 79
p0 118.8 ± 0.1942
124
122
120
118
116
pull
Entries 80
Mean 391.8
Std Dev 353.1
1.5
1
0.5
0
−0.5
−1

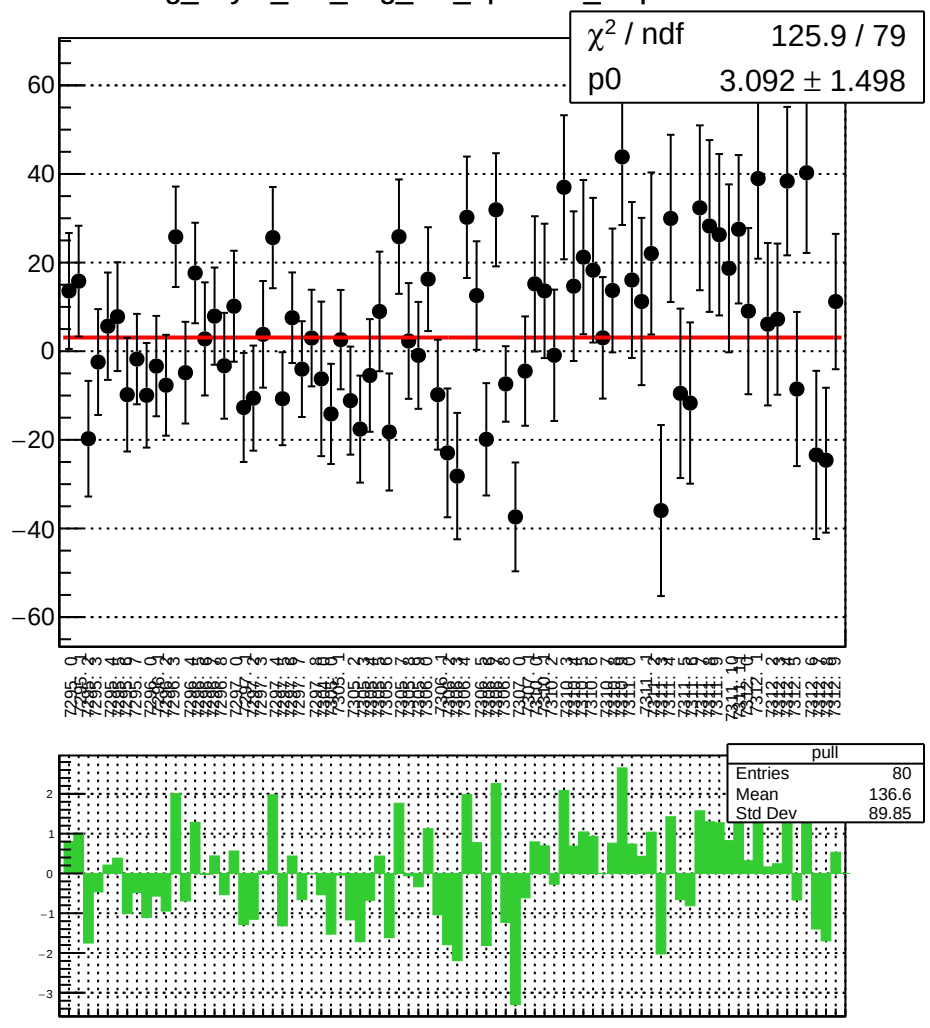

pull1D
Entries 80
Mean 0.01778
Std Dev 0.5067
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

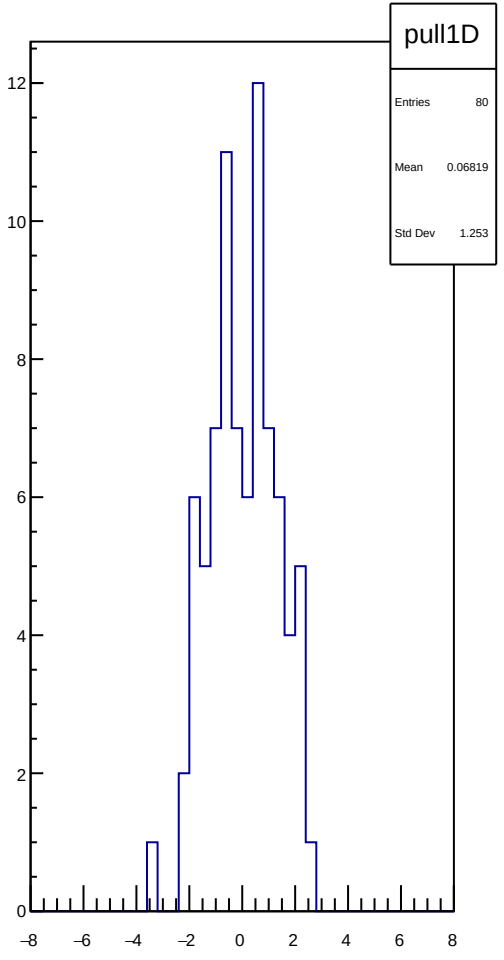

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 120.2 / 79
p0 −14.44 ± 1.513
pull
Entries 80
Mean 148.7
Std Dev 102.7

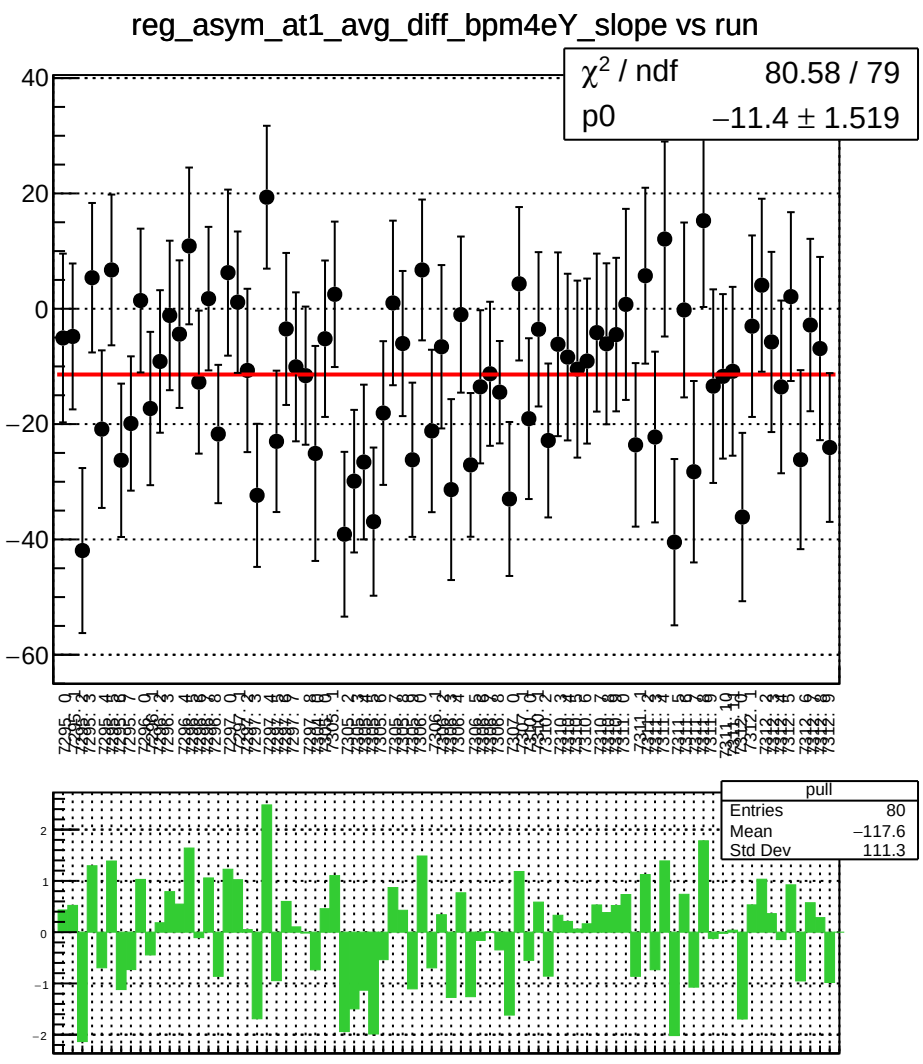

pull1D
Entries 80
Mean −0.05741
Std Dev 1.224

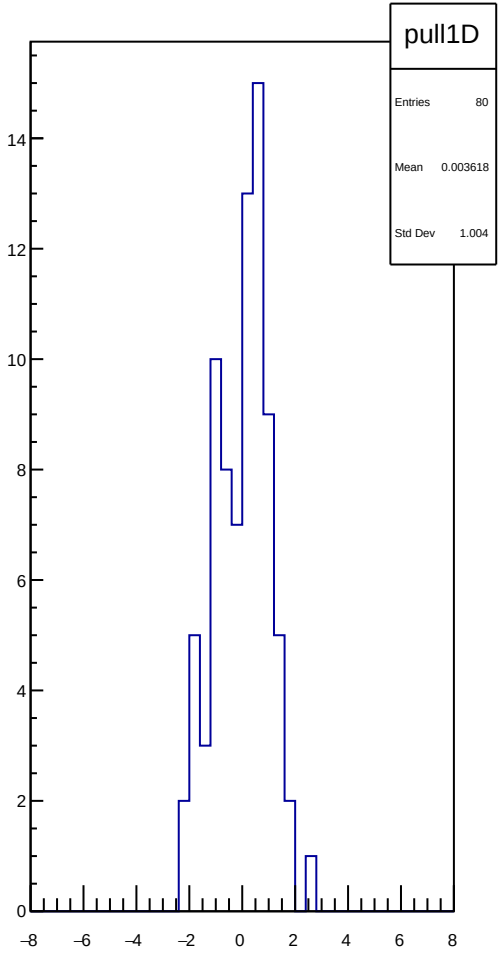

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 81.2 / 79
p0 3.707 ± 1.417
pull
Entries 80
Mean −720
Std Dev 750.9

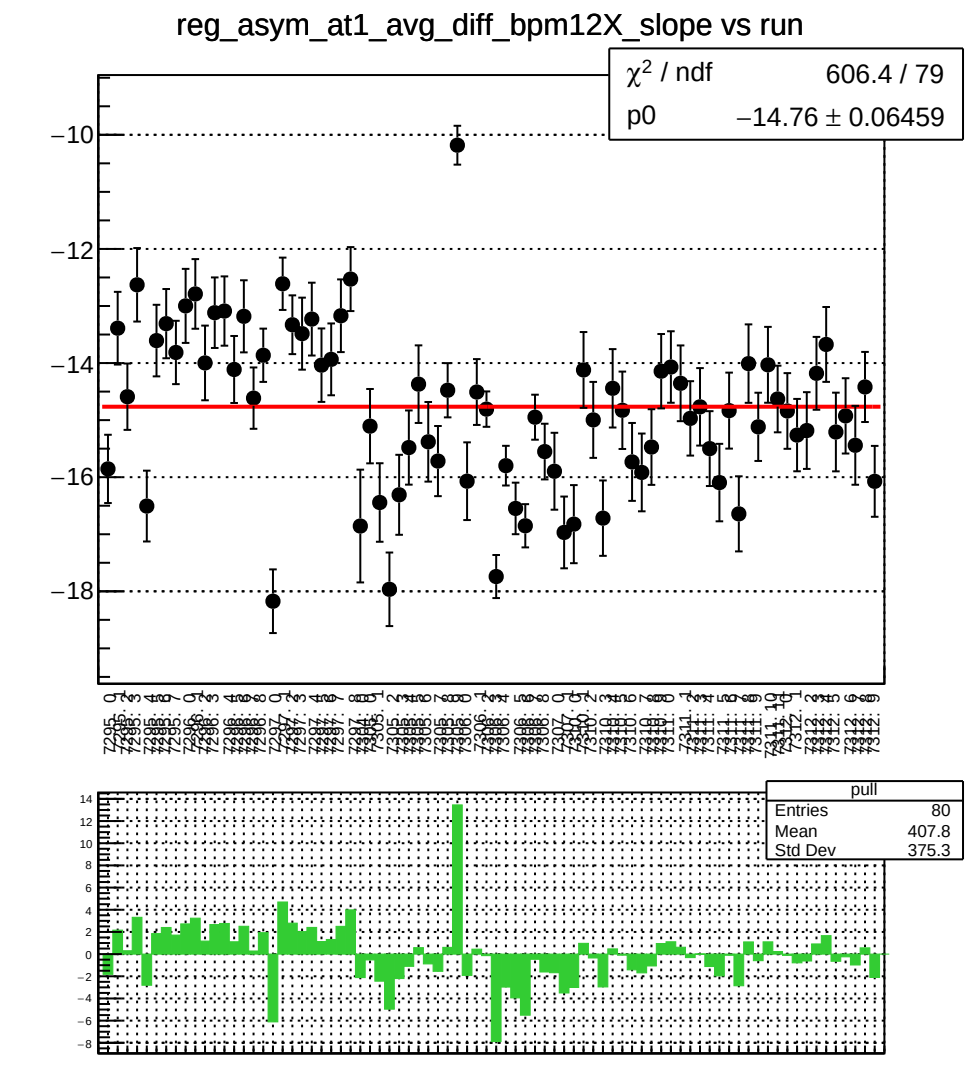

pull1D
Entries 80
Mean −0.002928
Std Dev 1.007

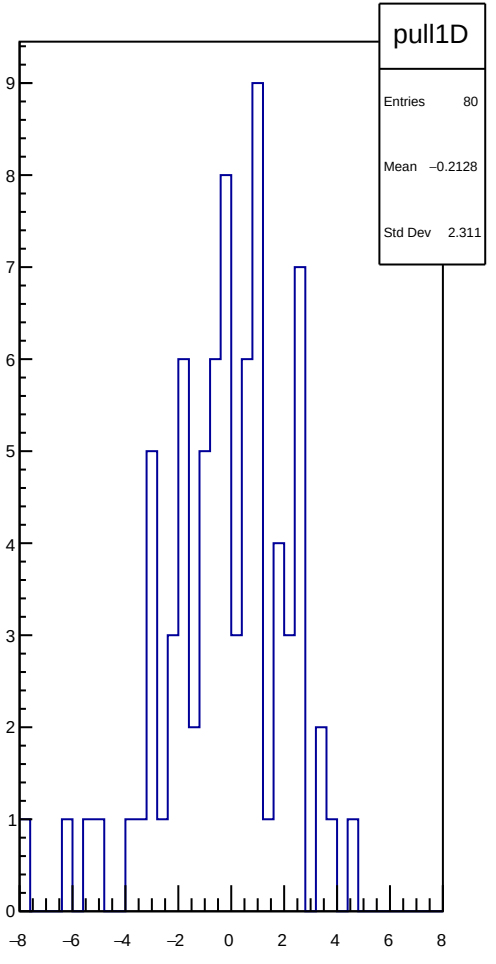

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 125.9 / 79
p0 3.092 ± 1.498
pull
Entries 80
Mean 136.6
Std Dev 89.85

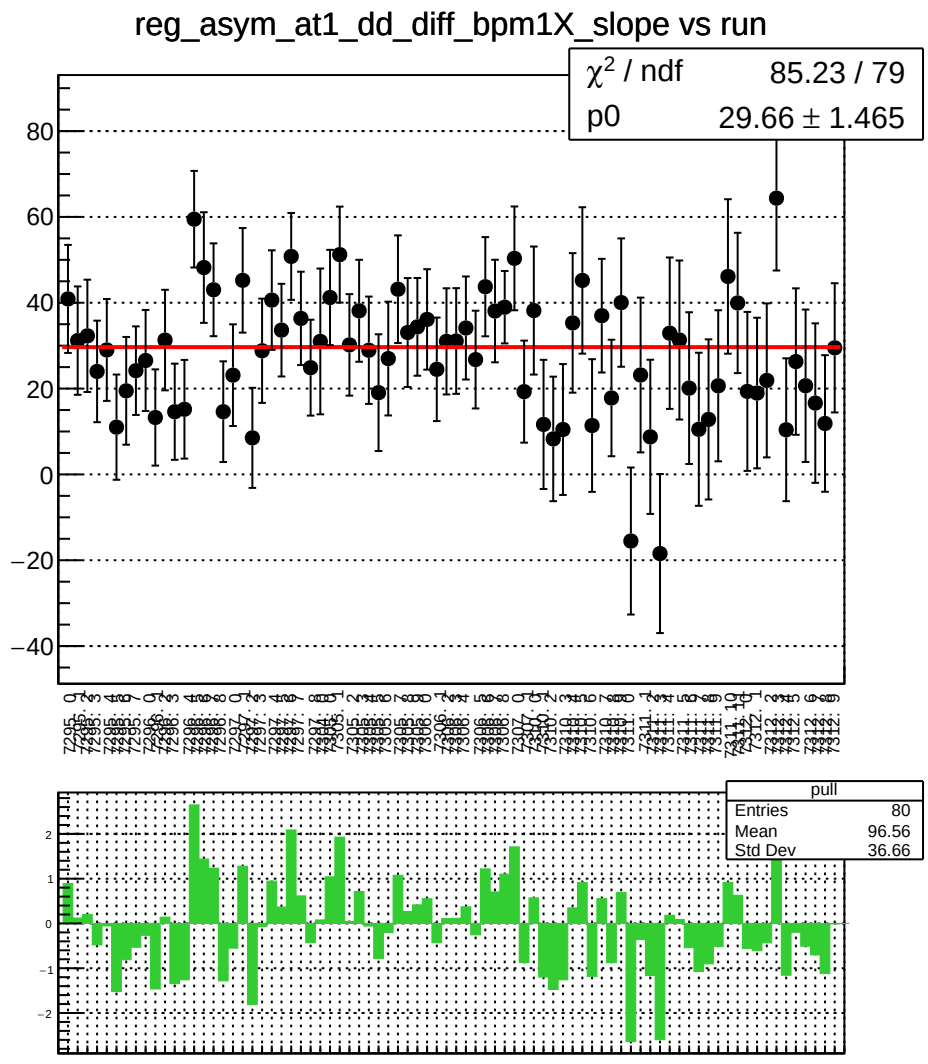

pull1D
Entries 80
Mean 0.06819
Std Dev 1.253

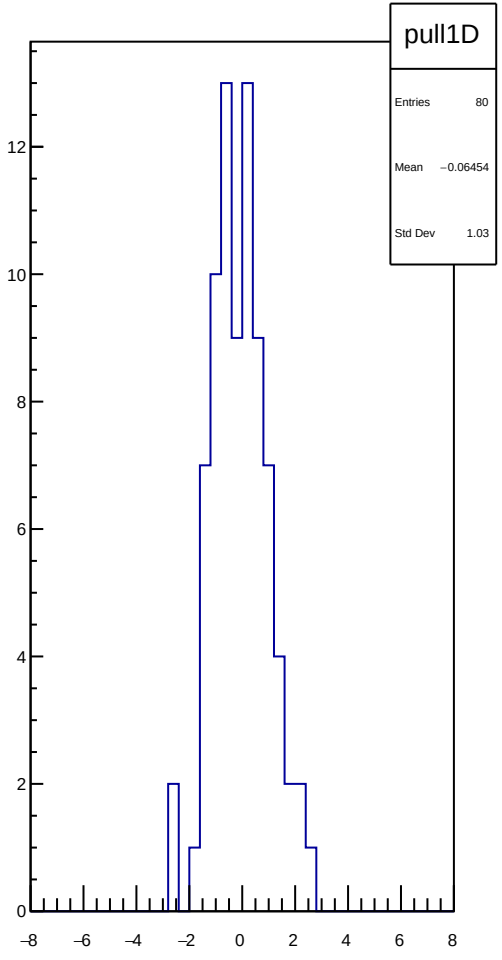

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.58 / 79
p0 −11.4 ± 1.519
pull
Entries 80
Mean −117.6
Std Dev 111.3

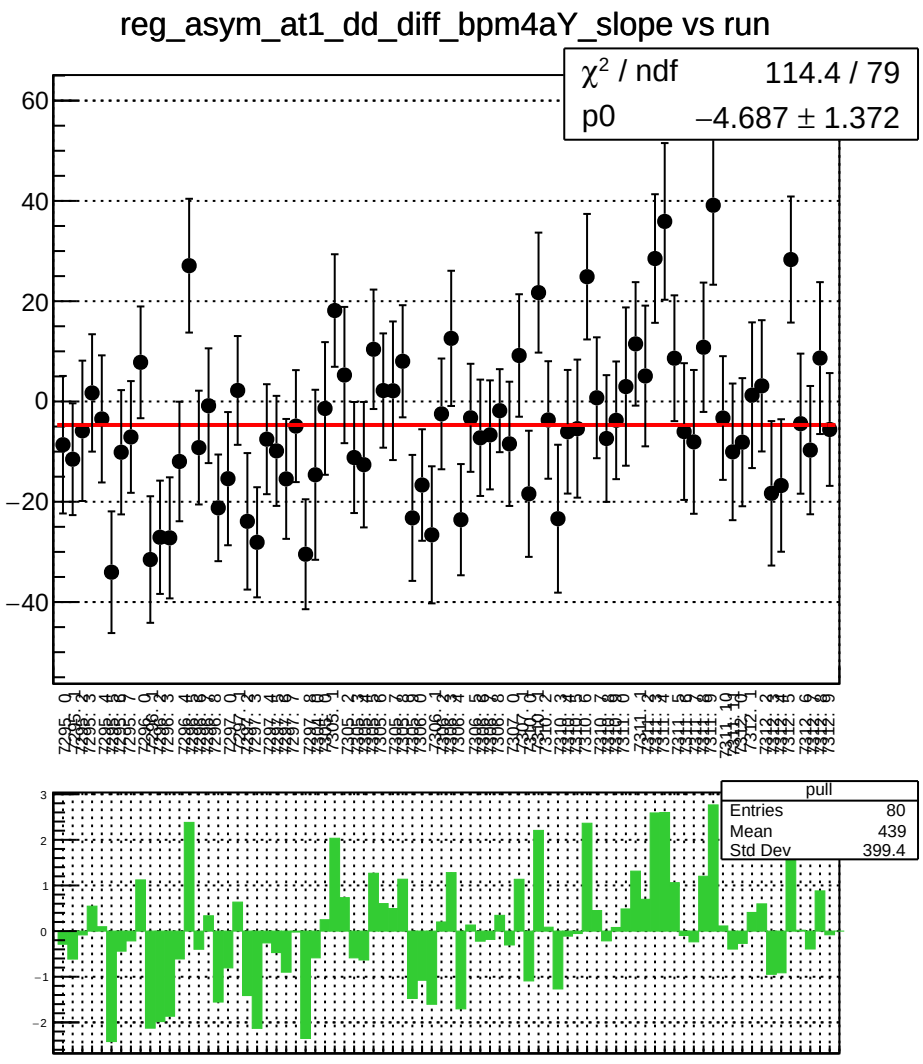

pull1D
Entries 80
Mean 0.003618
Std Dev 1.004

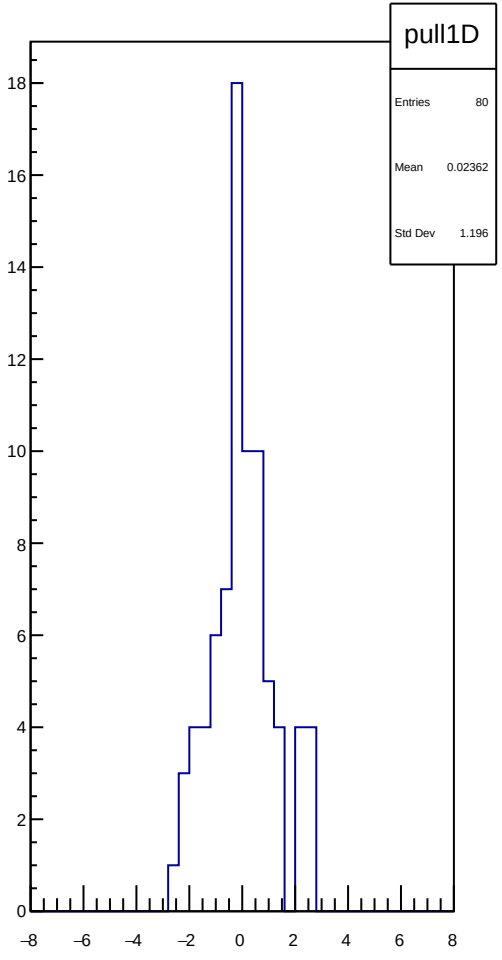

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 606.4 / 79
p0 −14.76 ± 0.06459
pull
Entries 80
Mean 407.8
Std Dev 375.3

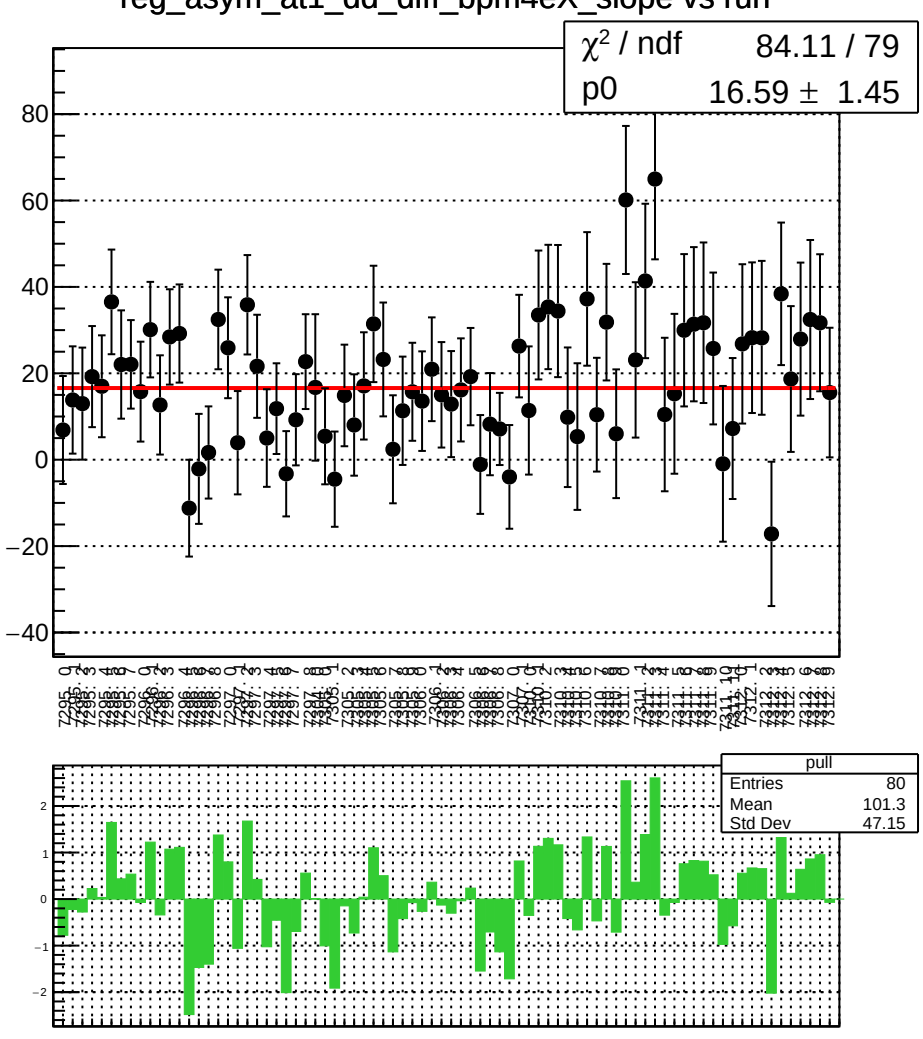

pull1D
Entries 80
Mean −0.2128
Std Dev 2.311

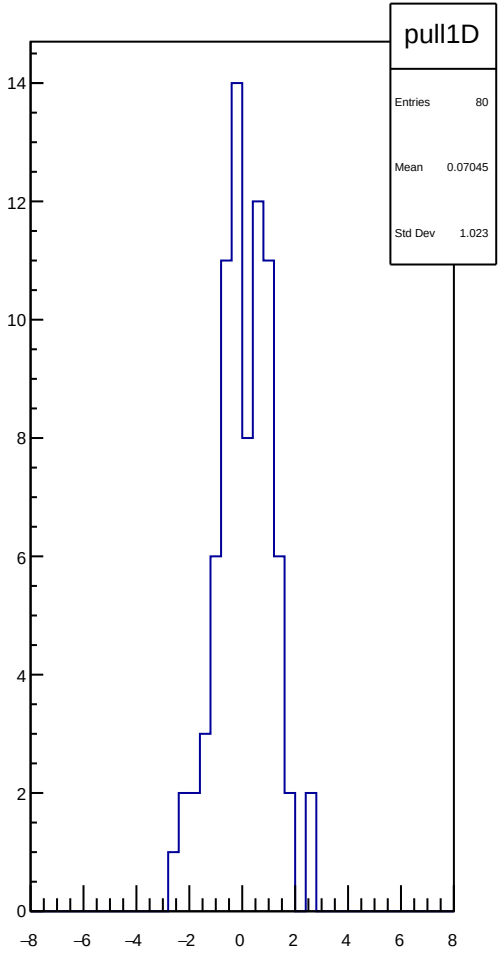

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 85.23 / 79
p0 29.66 ± 1.465
pull
Entries 80
Mean 96.56
Std Dev 36.66

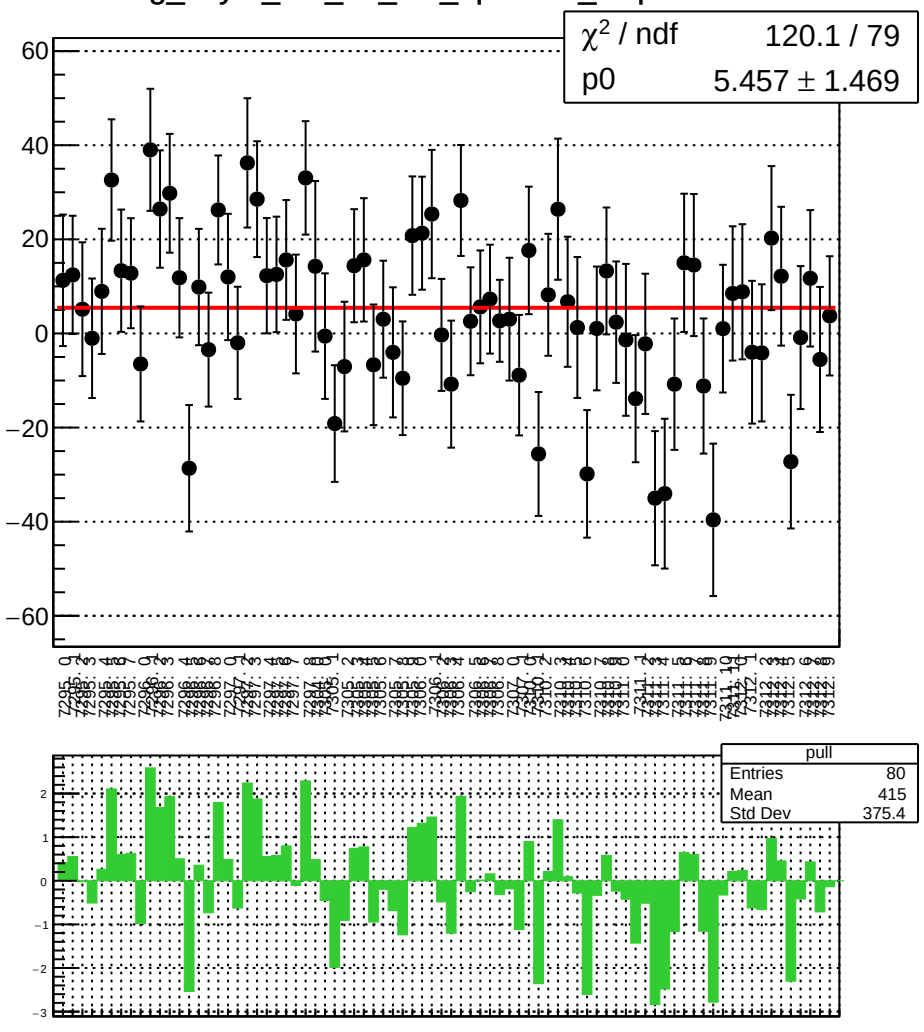

pull1D
Entries 80
Mean −0.06454
Std Dev 1.03

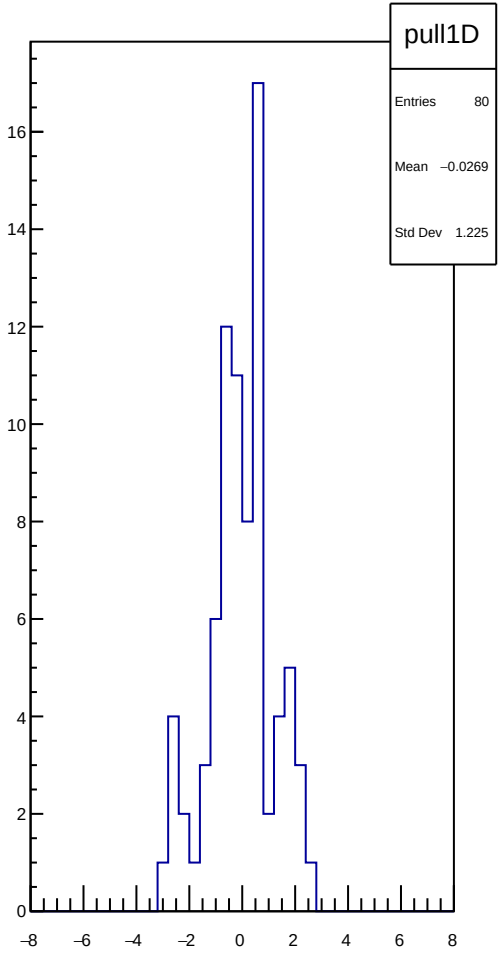

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 114.4 / 79
p0 −4.687 ± 1.372
pull
Entries 80
Mean 439
Std Dev 399.4

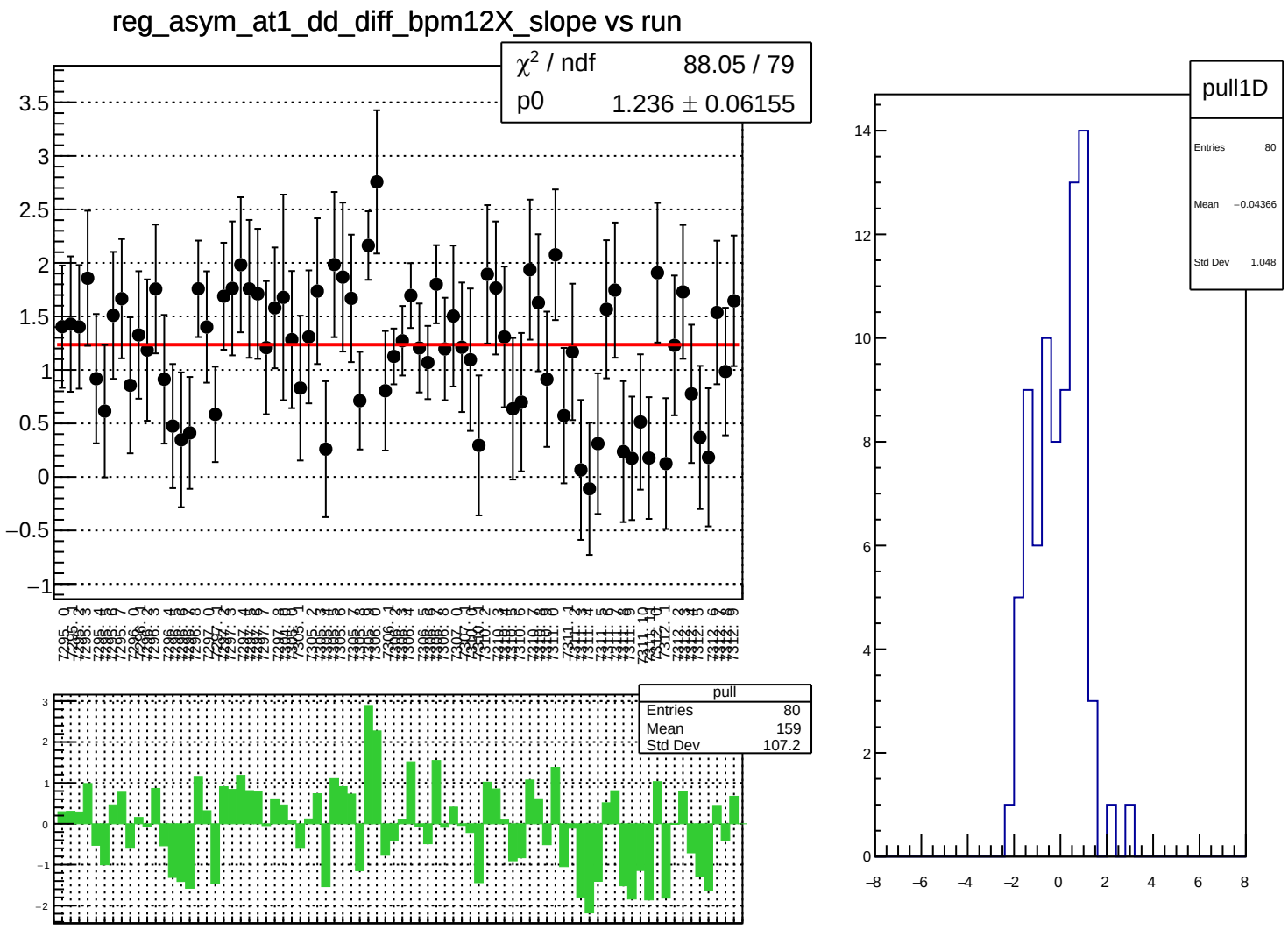

pull1D
Entries 80
Mean 0.02362
Std Dev 1.196

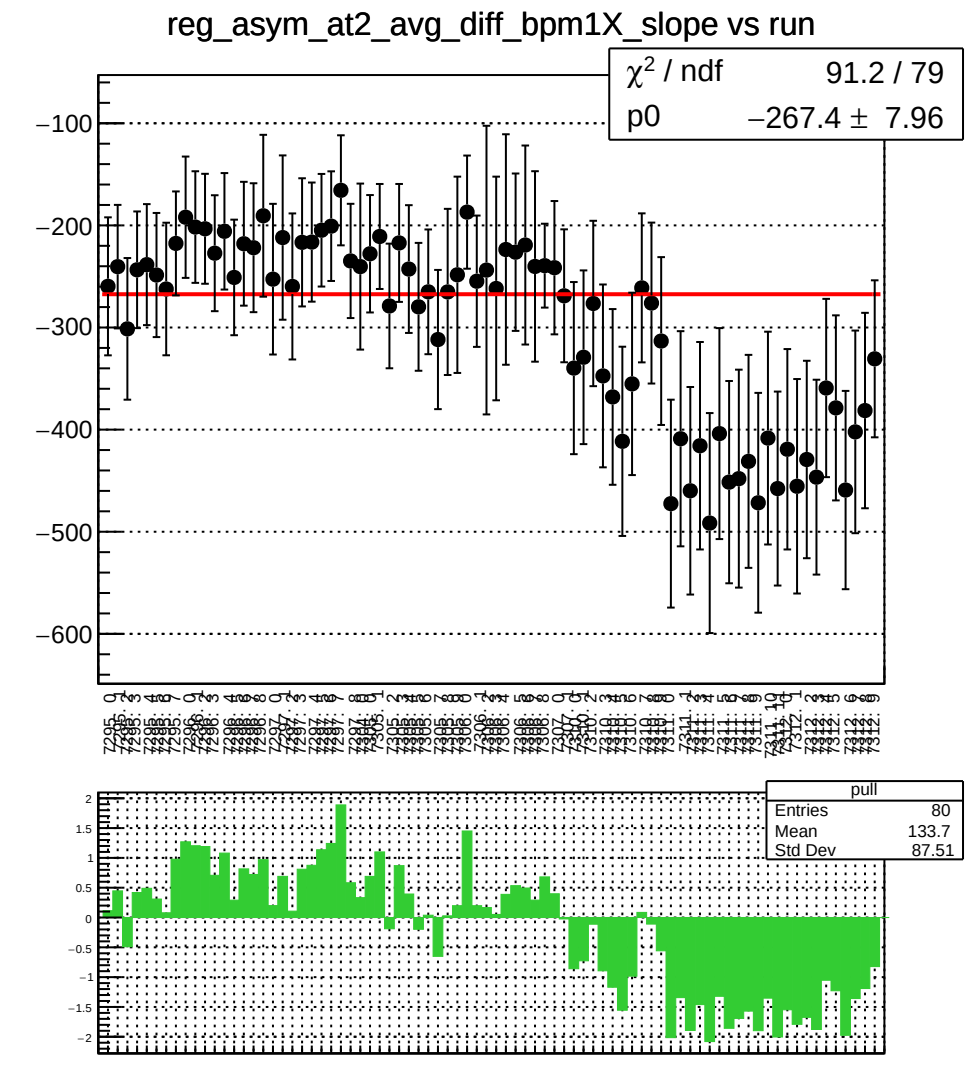

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.11 / 79
p0 16.59 ± 1.45
pull
Entries 80
Mean 101.3
Std Dev 47.15

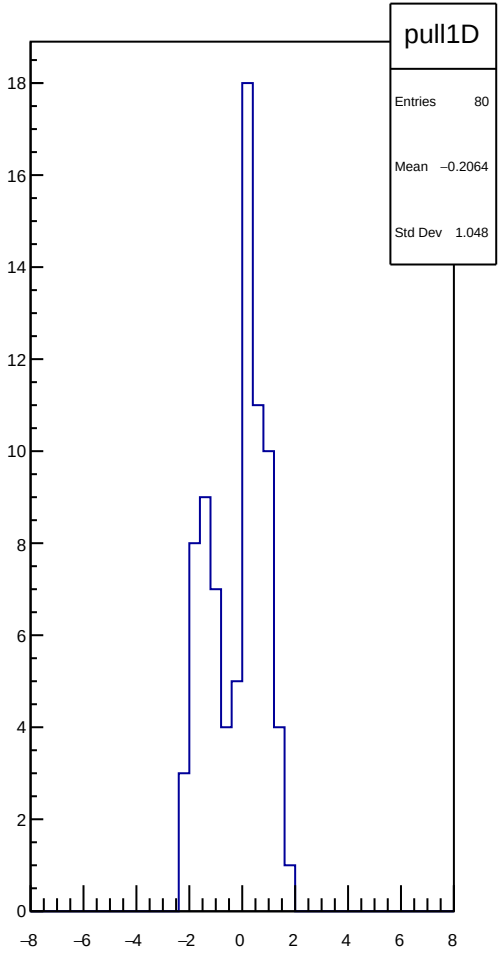

pull1D
Entries 80
Mean 0.07045
Std Dev 1.023

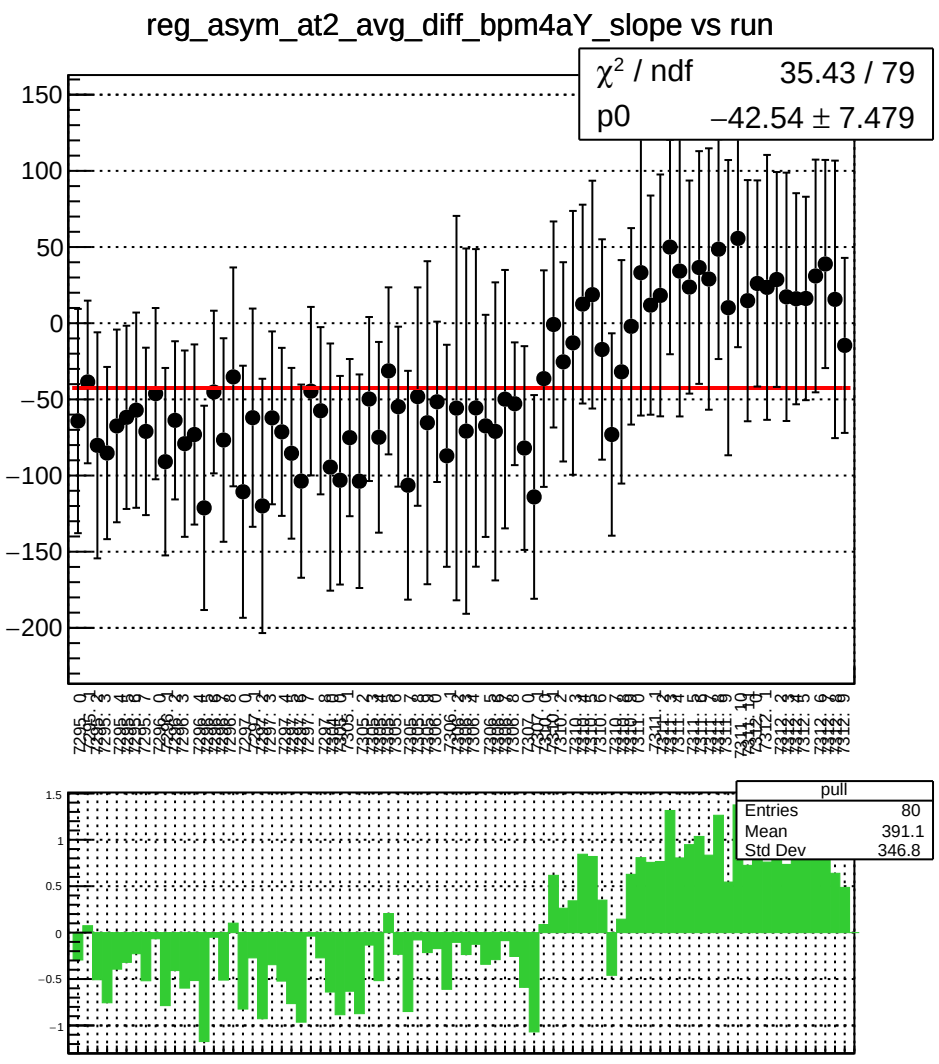

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.1 / 79
p0 5.457 ± 1.469
pull
Entries 80
Mean 415
Std Dev 375.4

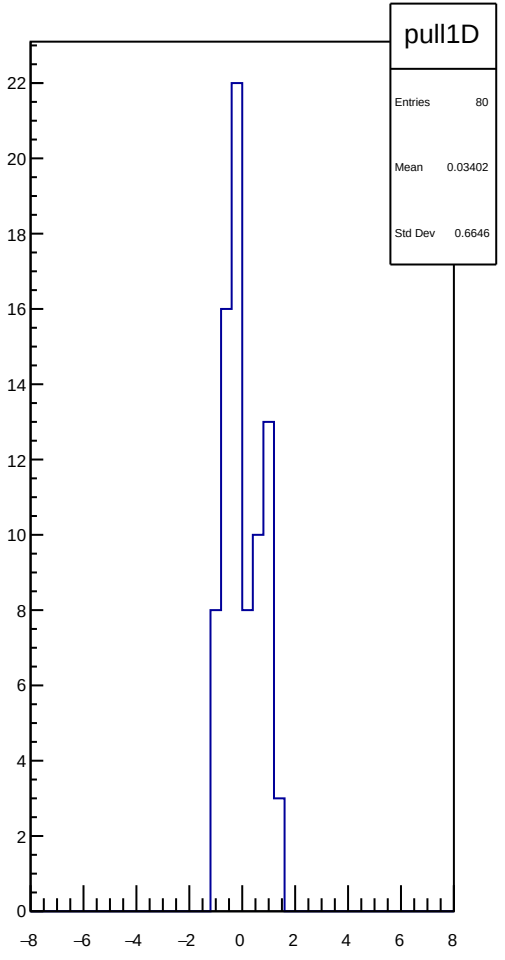

pull1D
Entries 80
Mean −0.0269
Std Dev 1.225

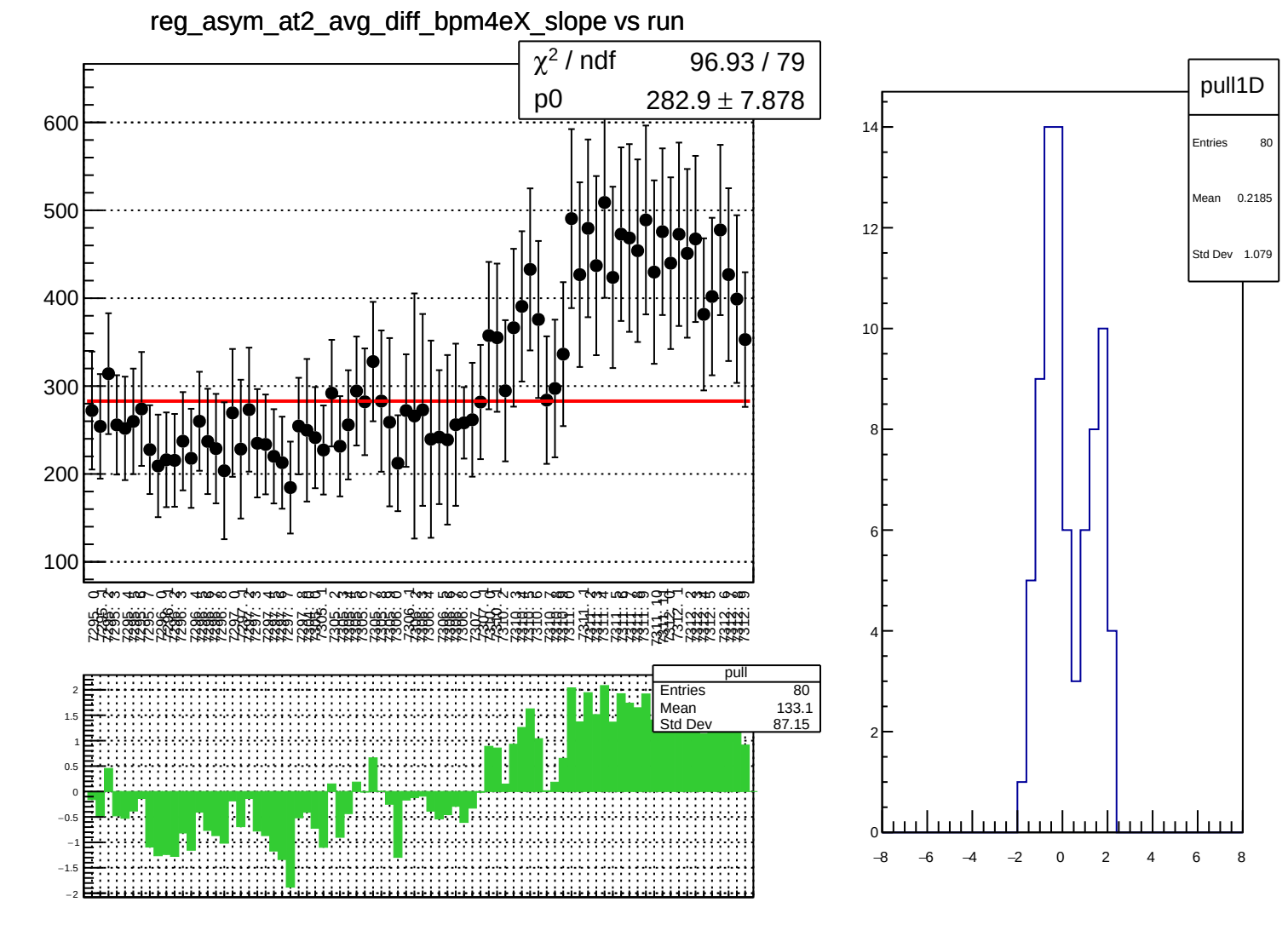

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 88.05 / 79
p0 1.236 ± 0.06155
pull
Entries 80
Mean 159
Std Dev 107.2
pull1D
Entries 80
Mean −0.04366
Std Dev 1.048

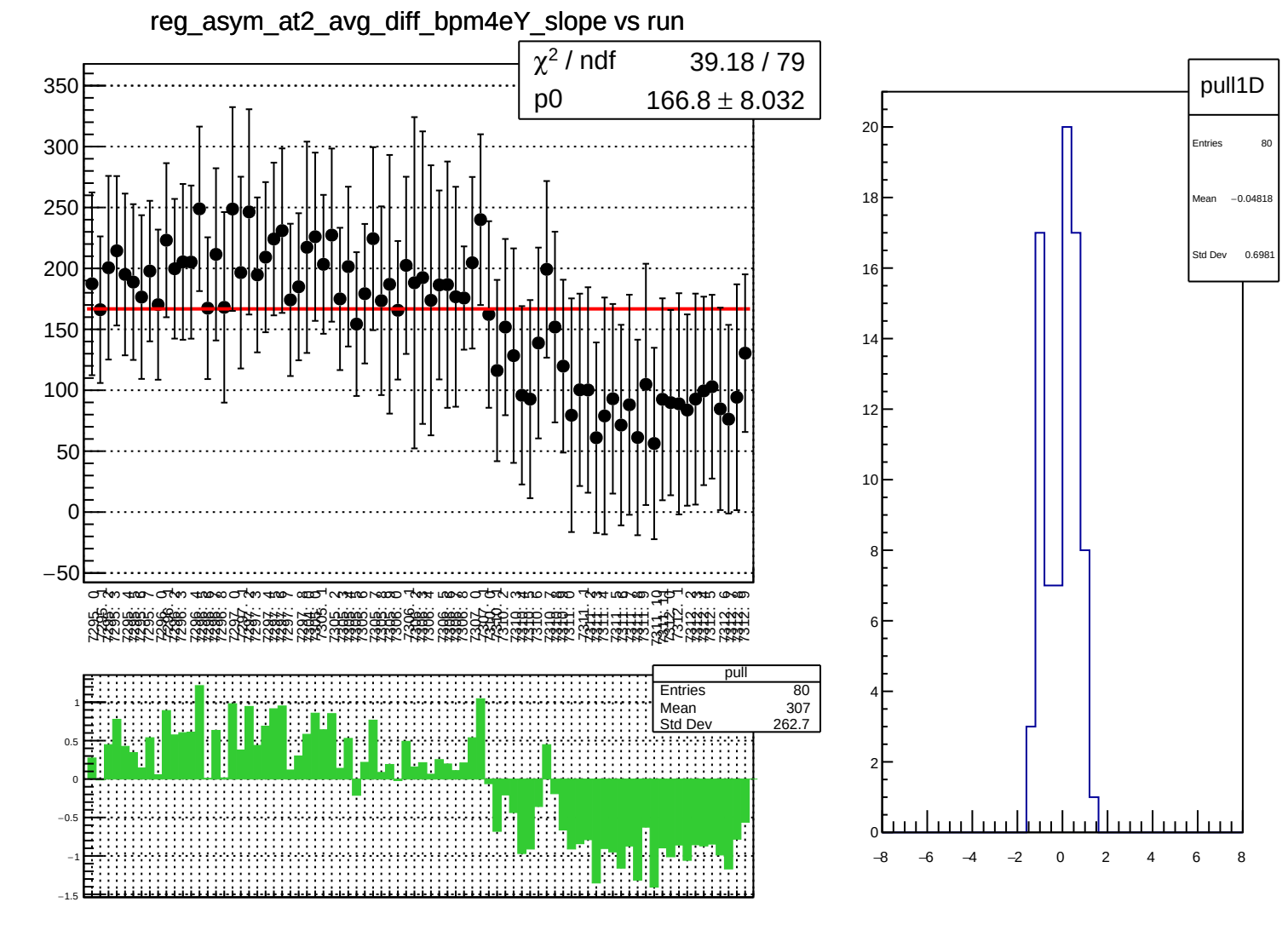

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 91.2 / 79
p0 −267.4 ± 7.96
pull
Entries 80
Mean 133.7
Std Dev 87.51

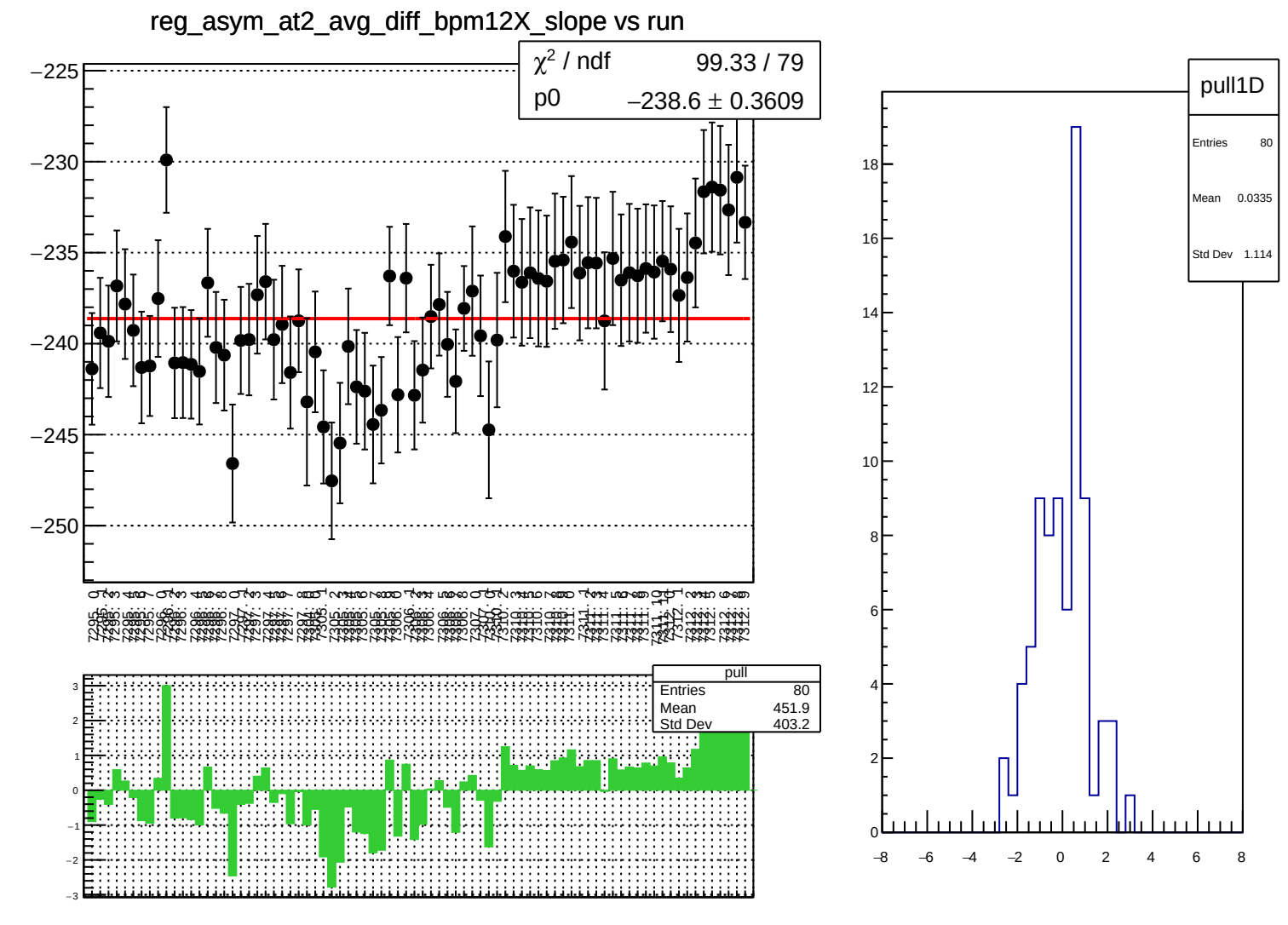

pull1D
Entries 80
Mean −0.2064
Std Dev 1.048

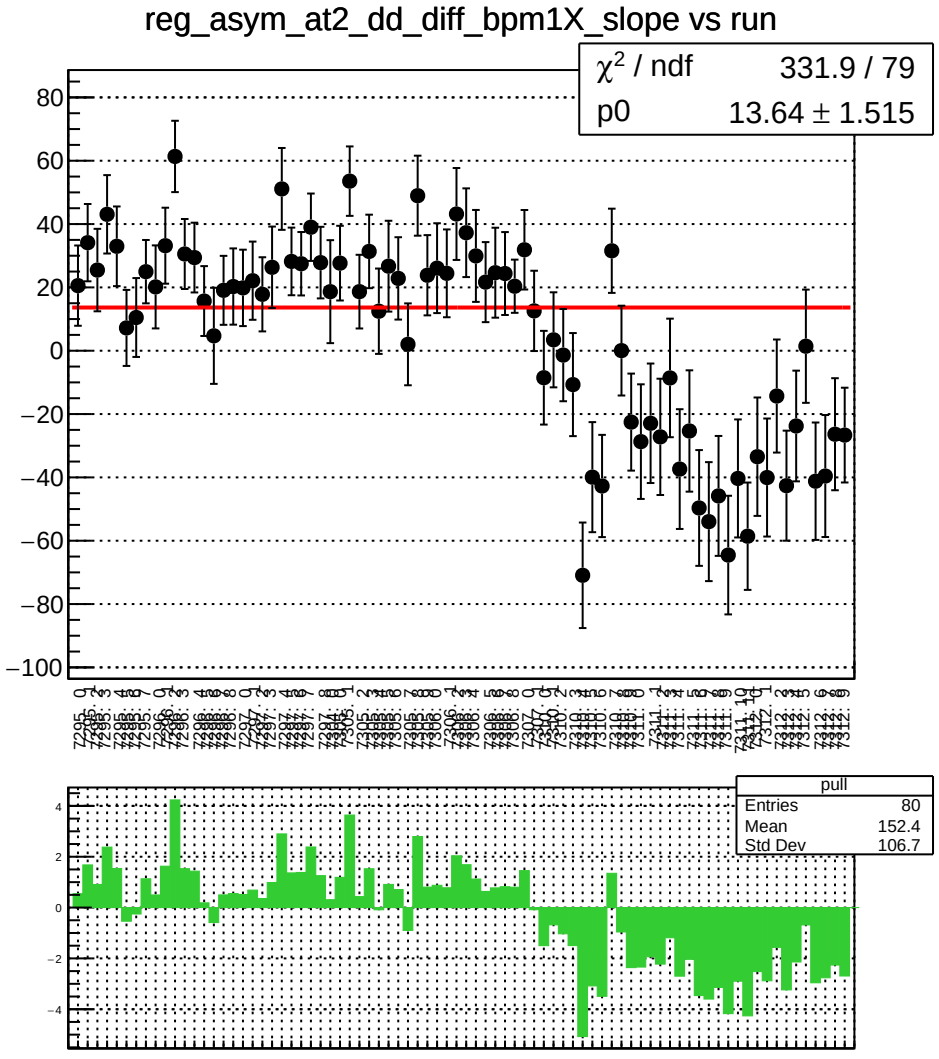

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.43 / 79
p0 −42.54 ± 7.479
pull
Entries 80
Mean 391.1
Std Dev 346.8

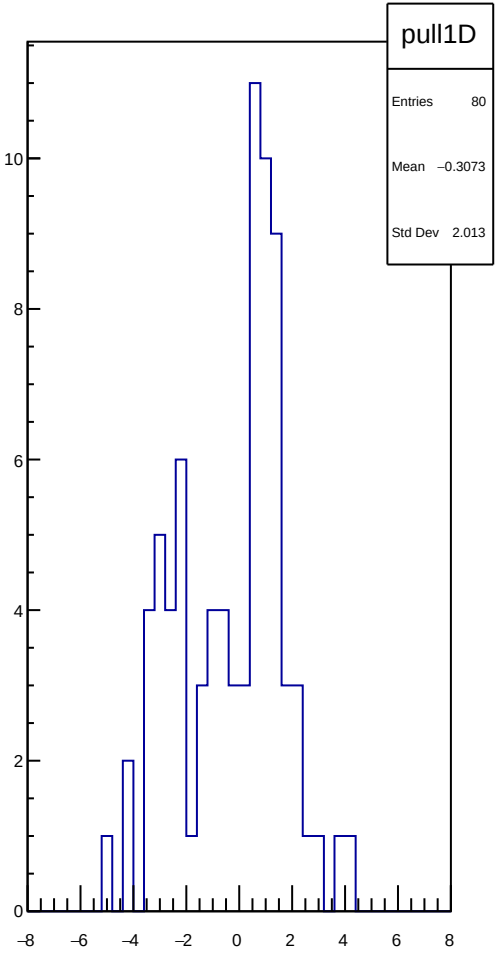

pull1D
Entries 80
Mean 0.03402
Std Dev 0.6646

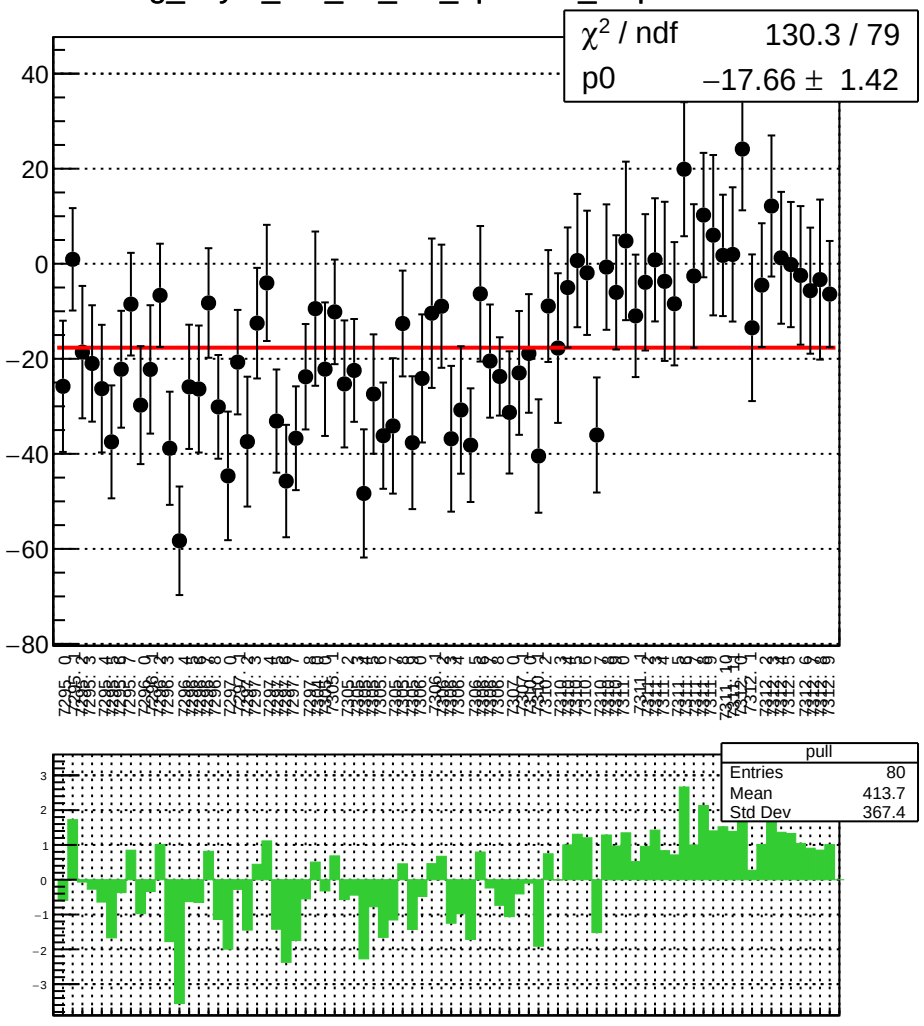

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.93 / 79
p0 282.9 ± 7.878
pull
Entries 80
Mean 133.1
Std Dev 87.15
pull1D
Entries 80
Mean 0.2185
Std Dev 1.079

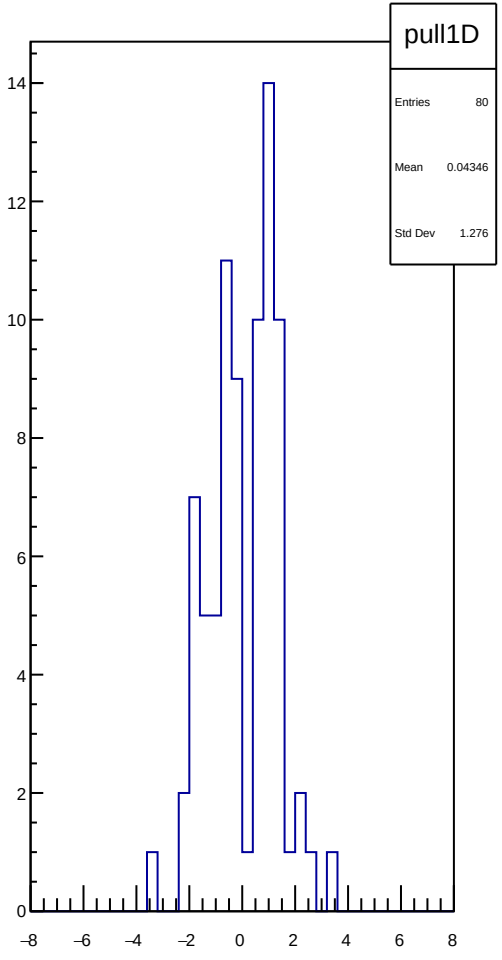

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.18 / 79
p0 166.8 ± 8.032
pull
Entries 80
Mean 307
Std Dev 262.7
pull1D
Entries 80
Mean −0.04818
Std Dev 0.6981

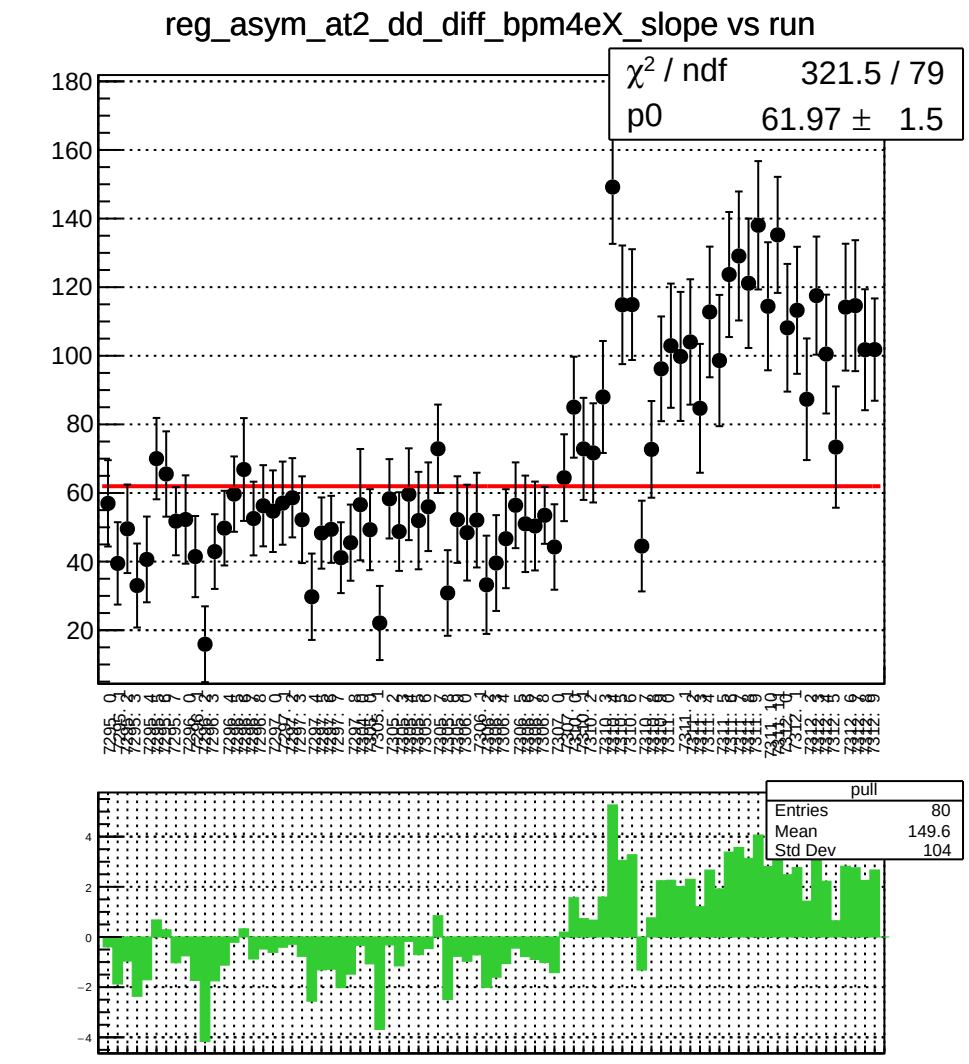

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 99.33 / 79
p0 −238.6 ± 0.3609
pull
Entries 80
Mean 451.9
Std Dev 403.2
pull1D
Entries 80
Mean 0.0335
Std Dev 1.114

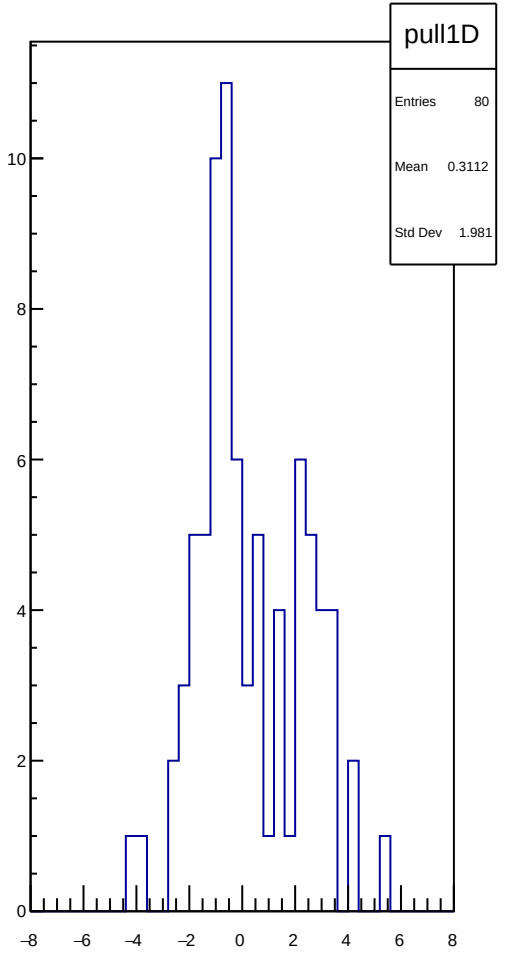

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 331.9 / 79
p0 13.64 ± 1.515
pull
Entries 80
Mean 152.4
Std Dev 106.7

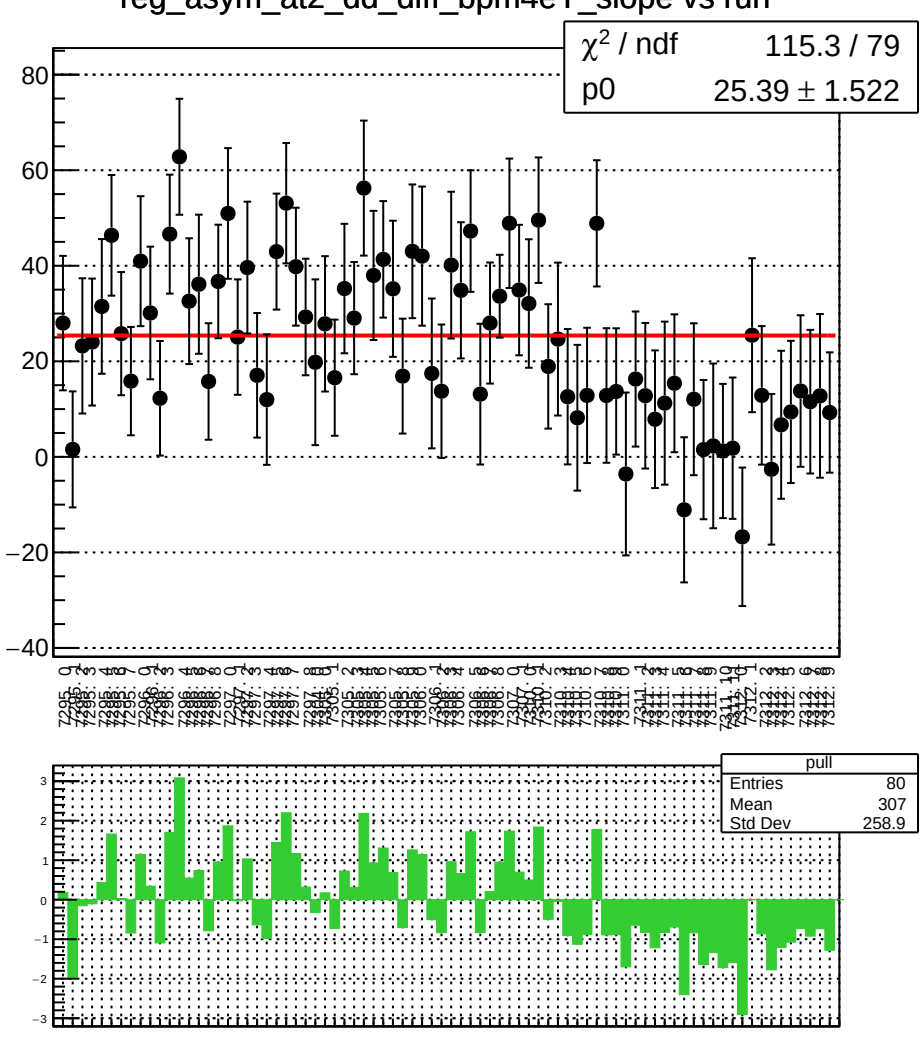

pull1D
Entries 80
Mean −0.3073
Std Dev 2.013

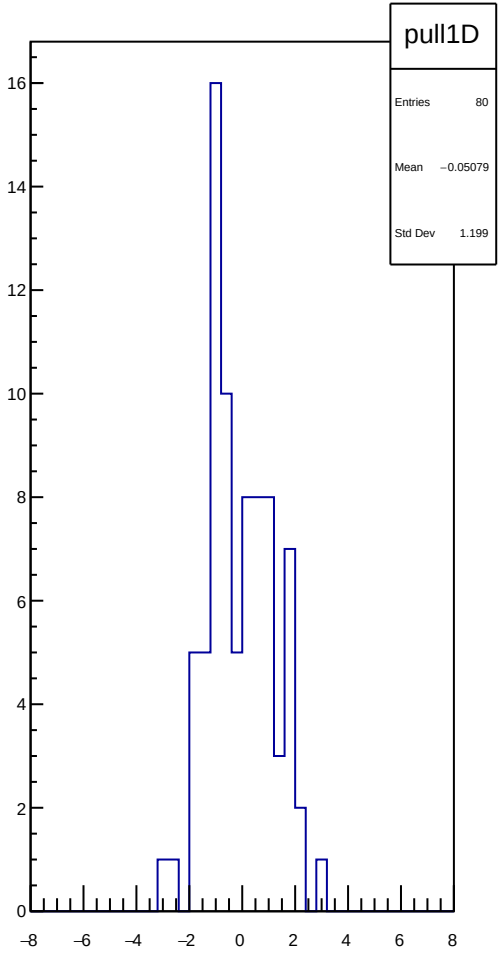

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 130.3 / 79
p0 −17.66 ± 1.42
pull
Entries 80
Mean 413.7
Std Dev 367.4

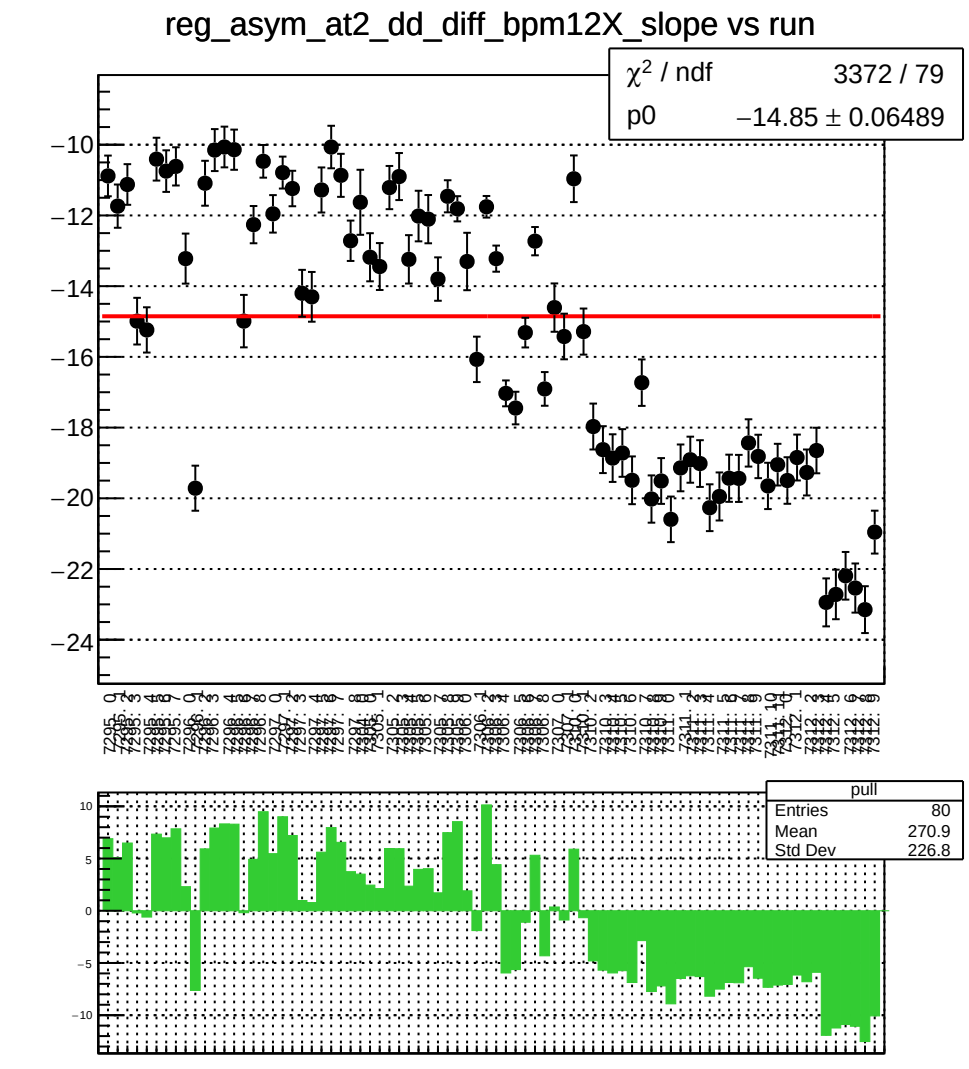

pull1D
Entries 80
Mean 0.04346
Std Dev 1.276

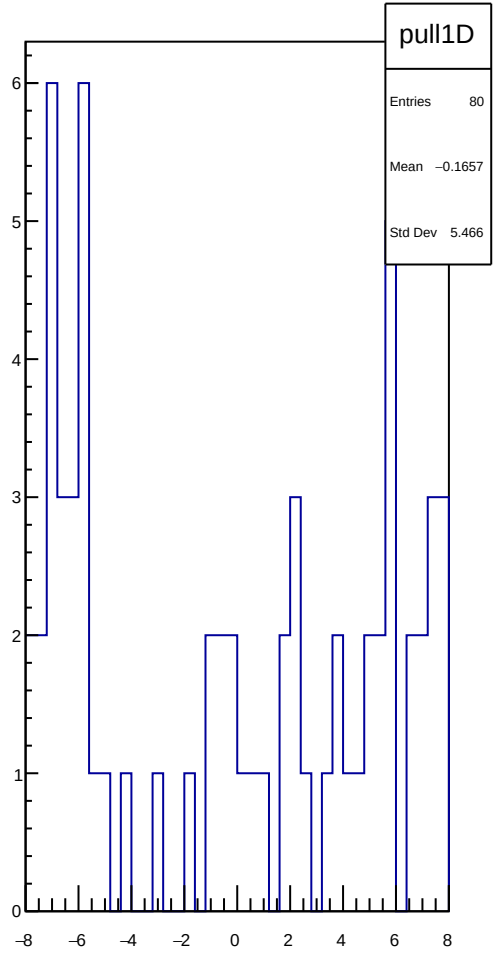

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 321.5 / 79
p0 61.97 ± 1.5
pull
Entries 80
Mean 149.6
Std Dev 104

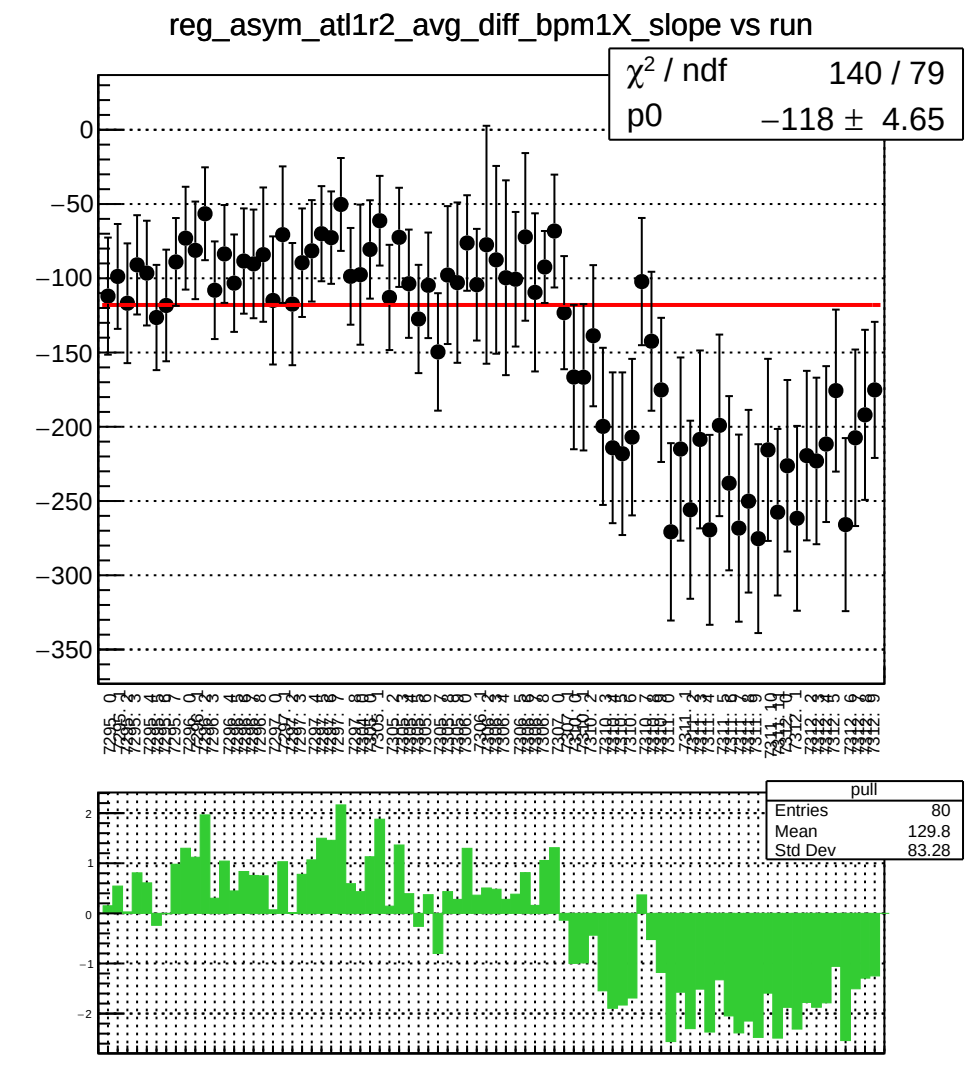

pull1D
Entries 80
Mean 0.3112
Std Dev 1.981

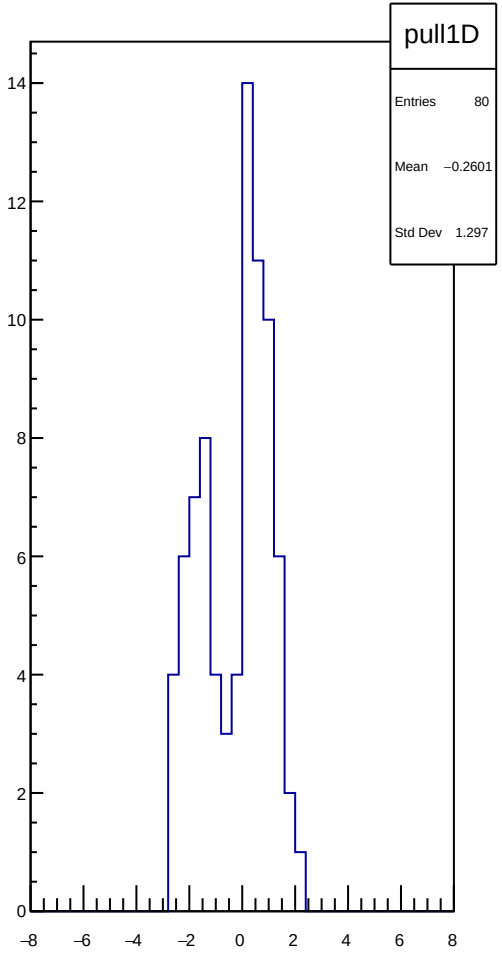

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 115.3 / 79
p0 25.39 ± 1.522
pull
Entries 80
Mean 307
Std Dev 258.9

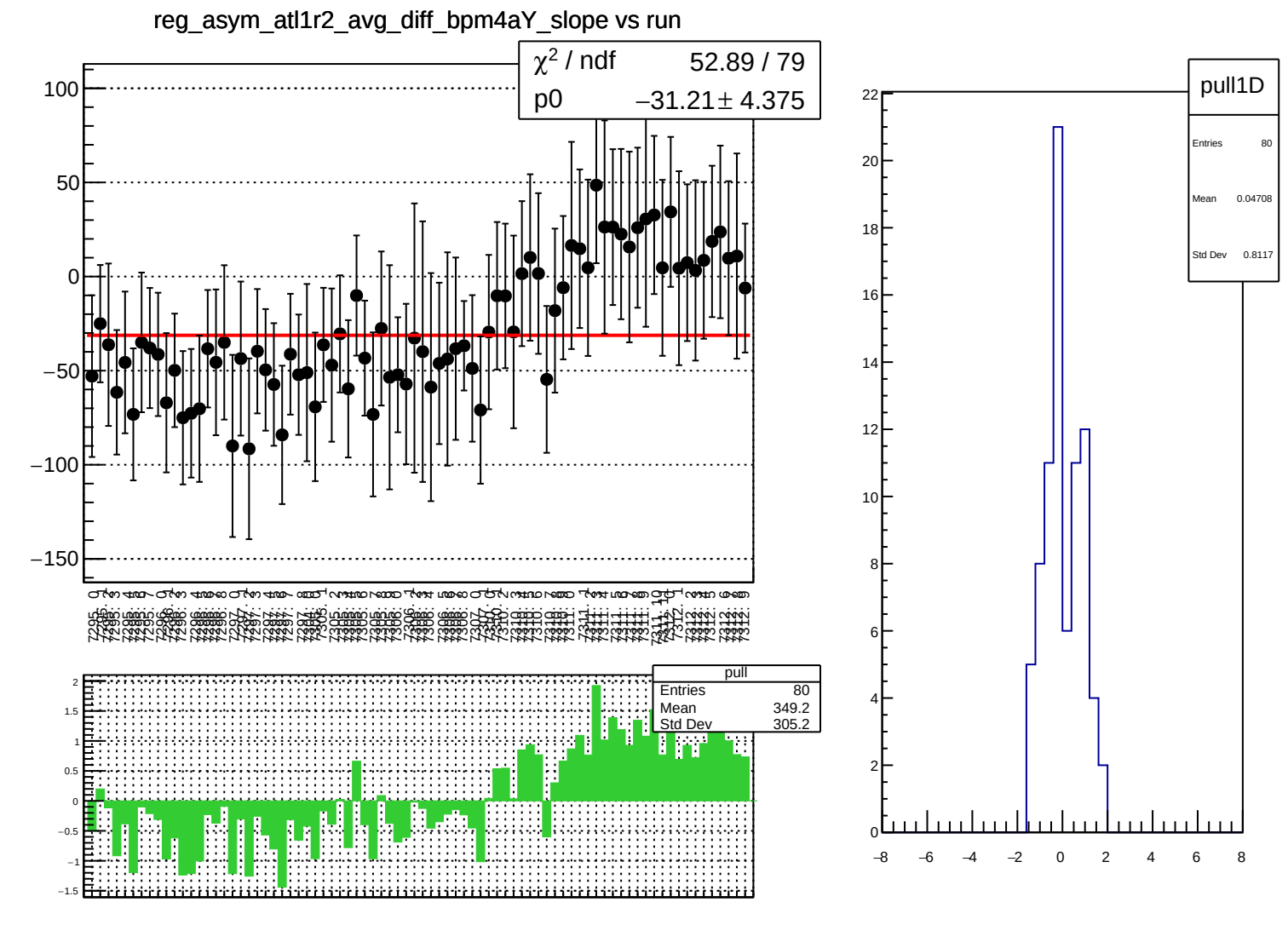

pull1D
Entries 80
Mean −0.05079
Std Dev 1.199

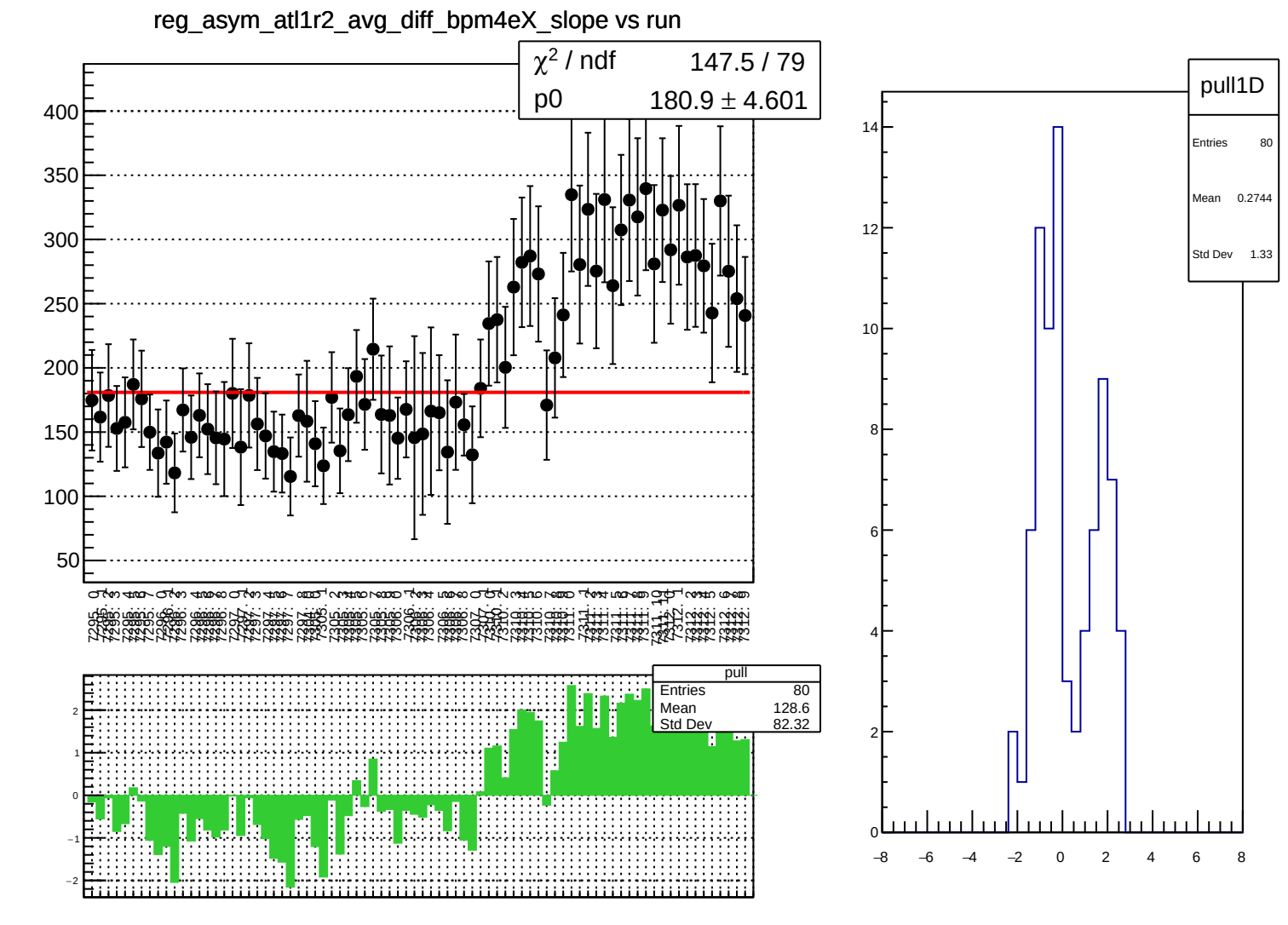

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 3372 / 79
p0 −14.85 ± 0.06489
pull
Entries 80
Mean 270.9
Std Dev 226.8

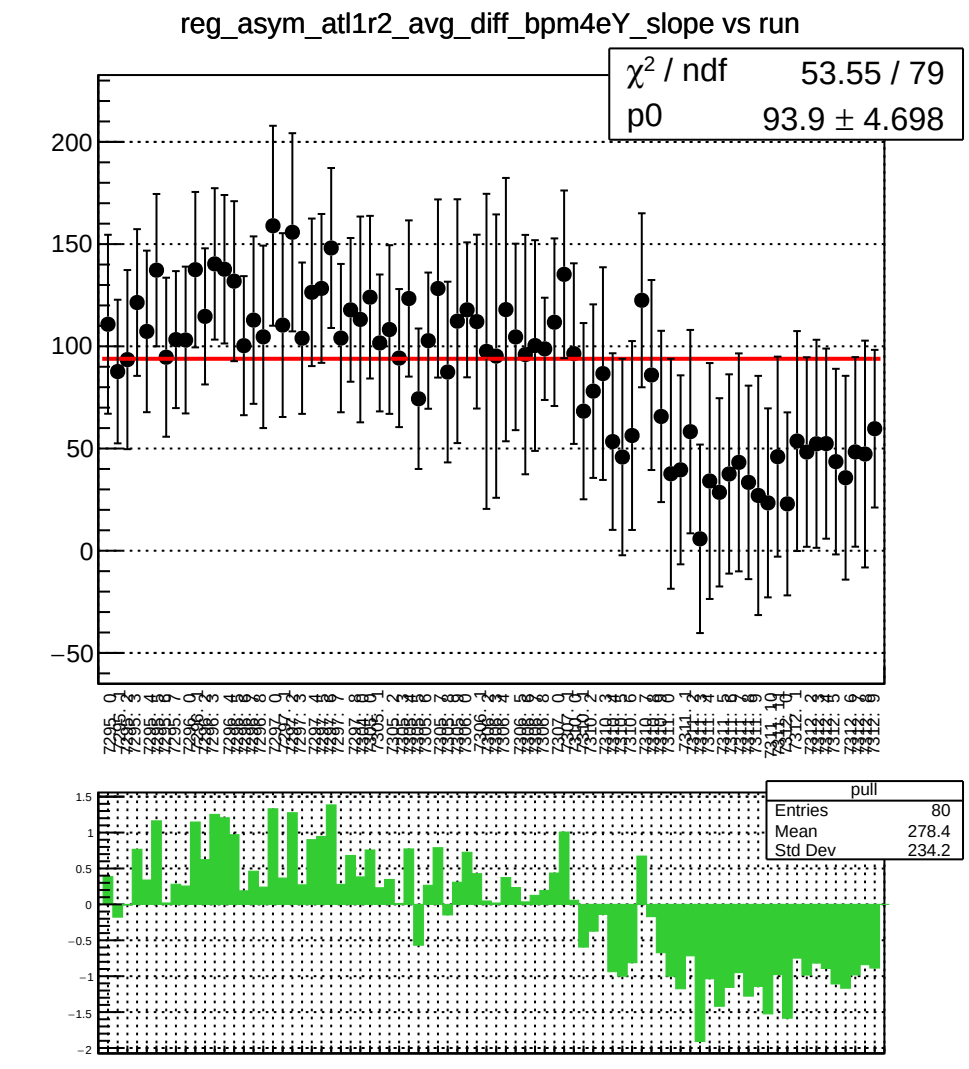

pull1D
Entries 80
Mean −0.1657
Std Dev 5.466

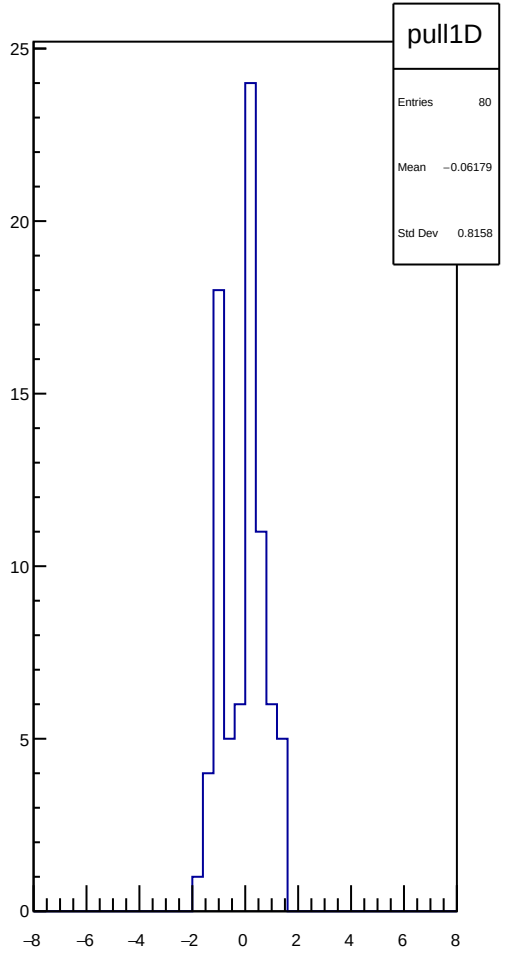

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 140 / 79
p0 −118 ± 4.65
pull
Entries 80
Mean 129.8
Std Dev 83.28

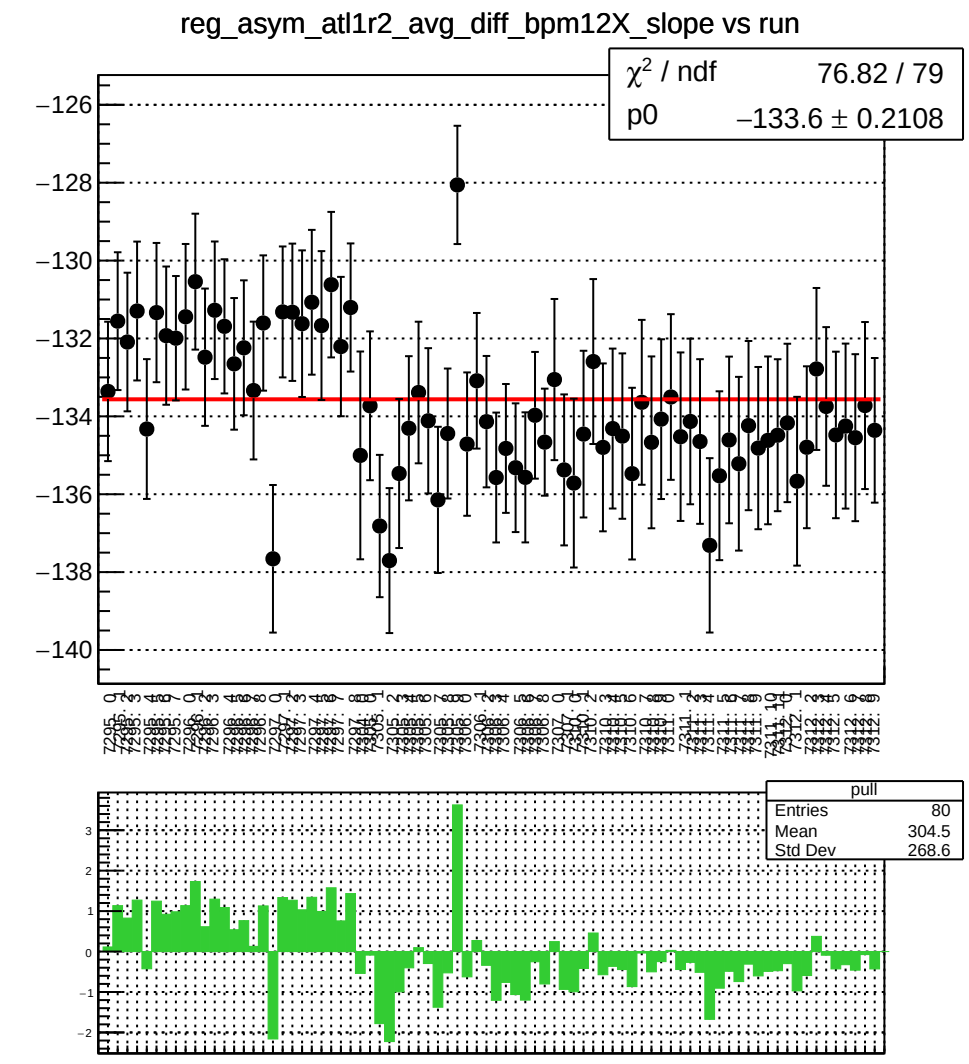

pull1D
Entries 80
Mean −0.2601
Std Dev 1.297

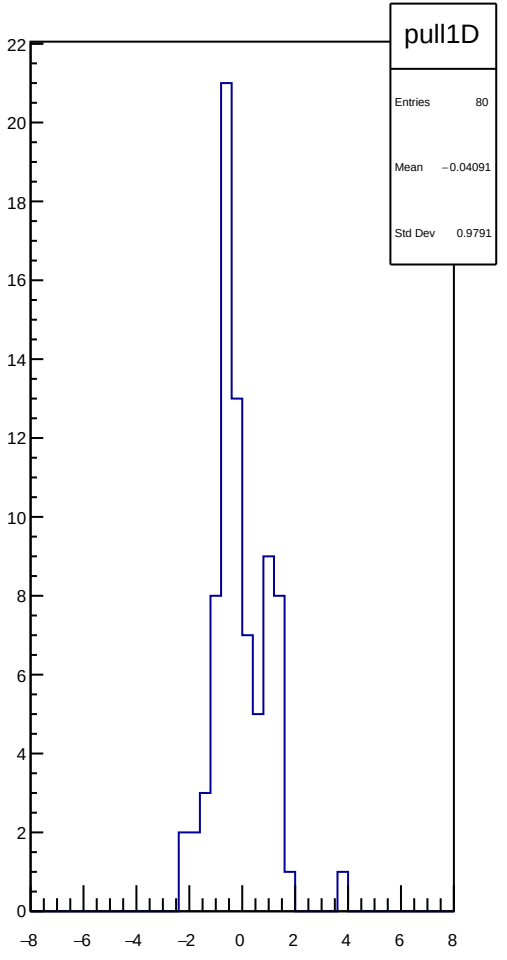

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.89 / 79
p0 −31.21 ± 4.375
pull
Entries 80
Mean 349.2
Std Dev 305.2
pull1D
Entries 80
Mean 0.04708
Std Dev 0.8117

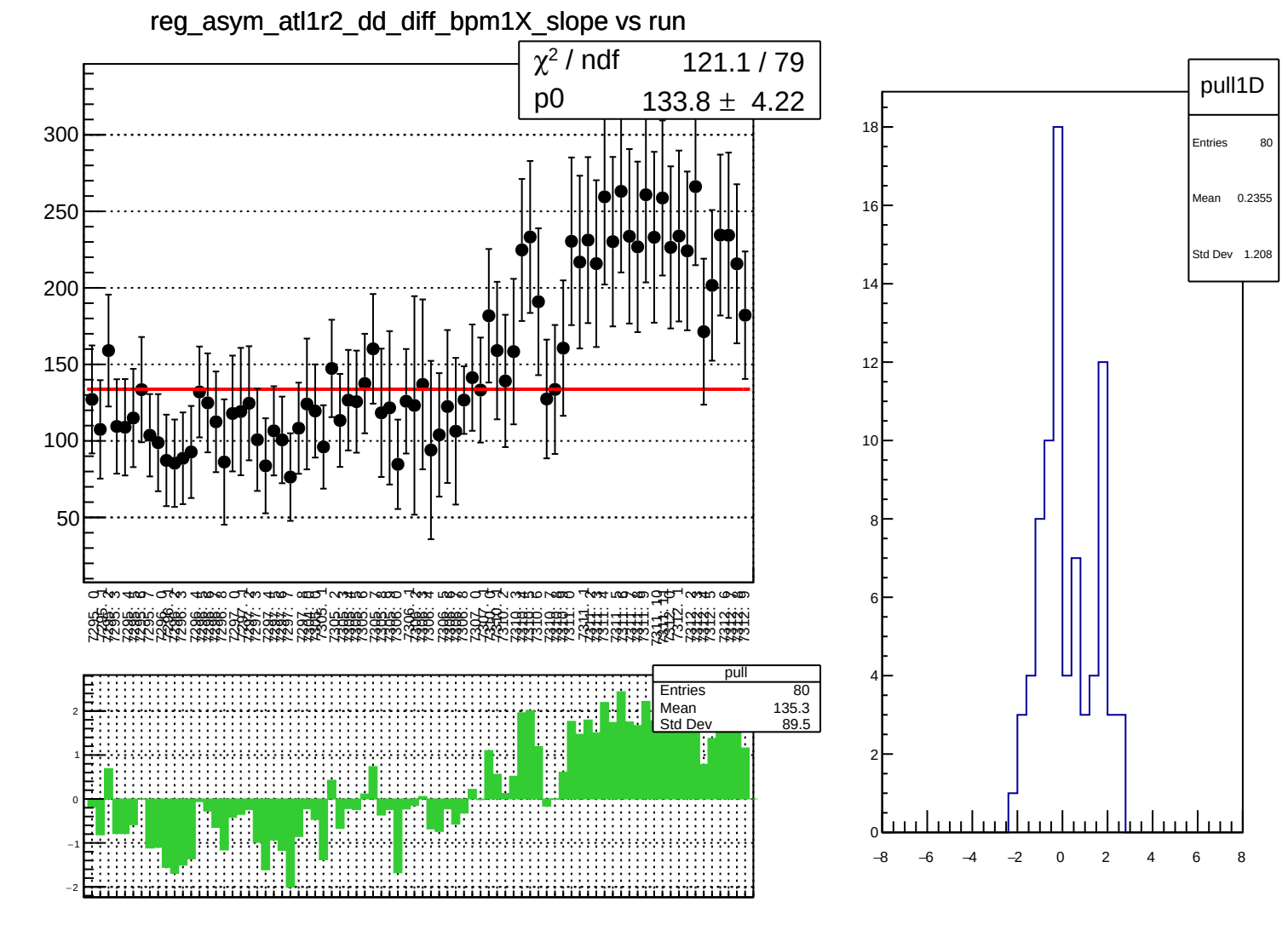

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.5 / 79
p0 180.9 ± 4.601
pull
Entries 80
Mean 128.6
Std Dev 82.32
pull1D
Entries 80
Mean 0.2744
Std Dev 1.33

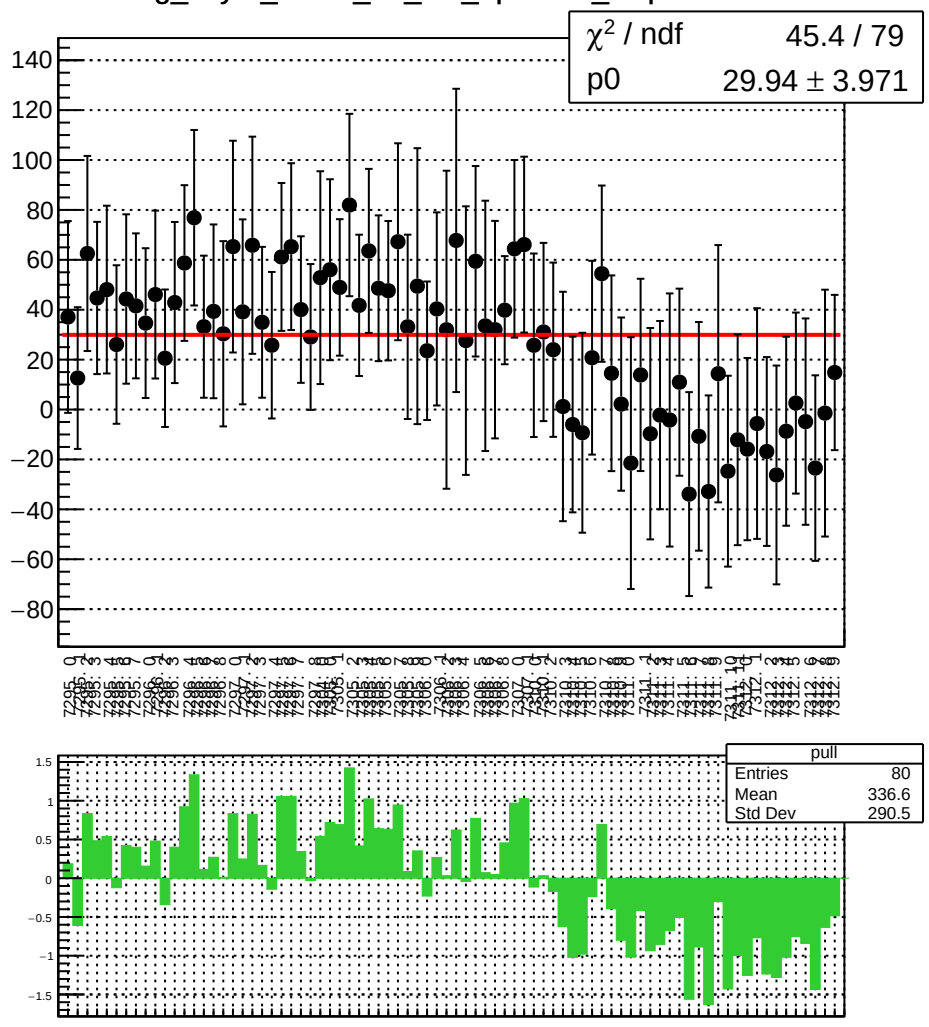

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 53.55 / 79
p0 93.9 ± 4.698
pull
Entries 80
Mean 278.4
Std Dev 234.2

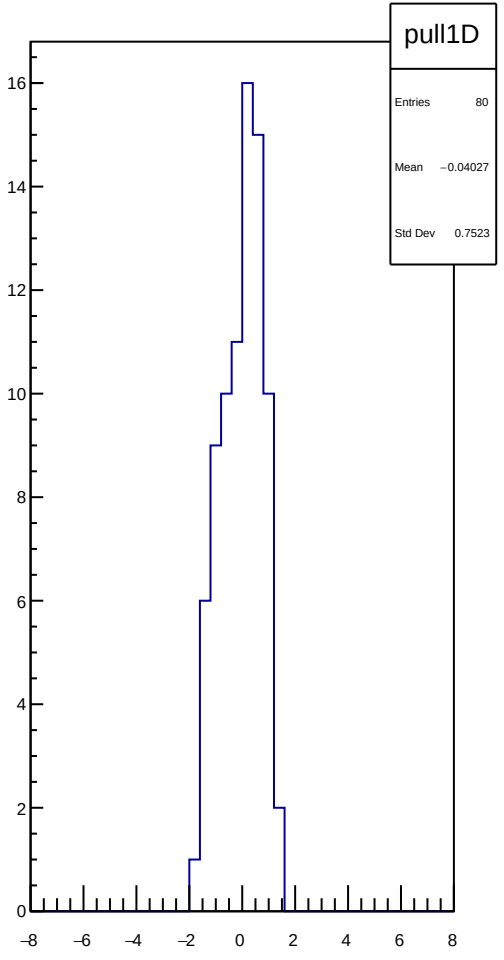

pull1D
Entries 80
Mean −0.06179
Std Dev 0.8158

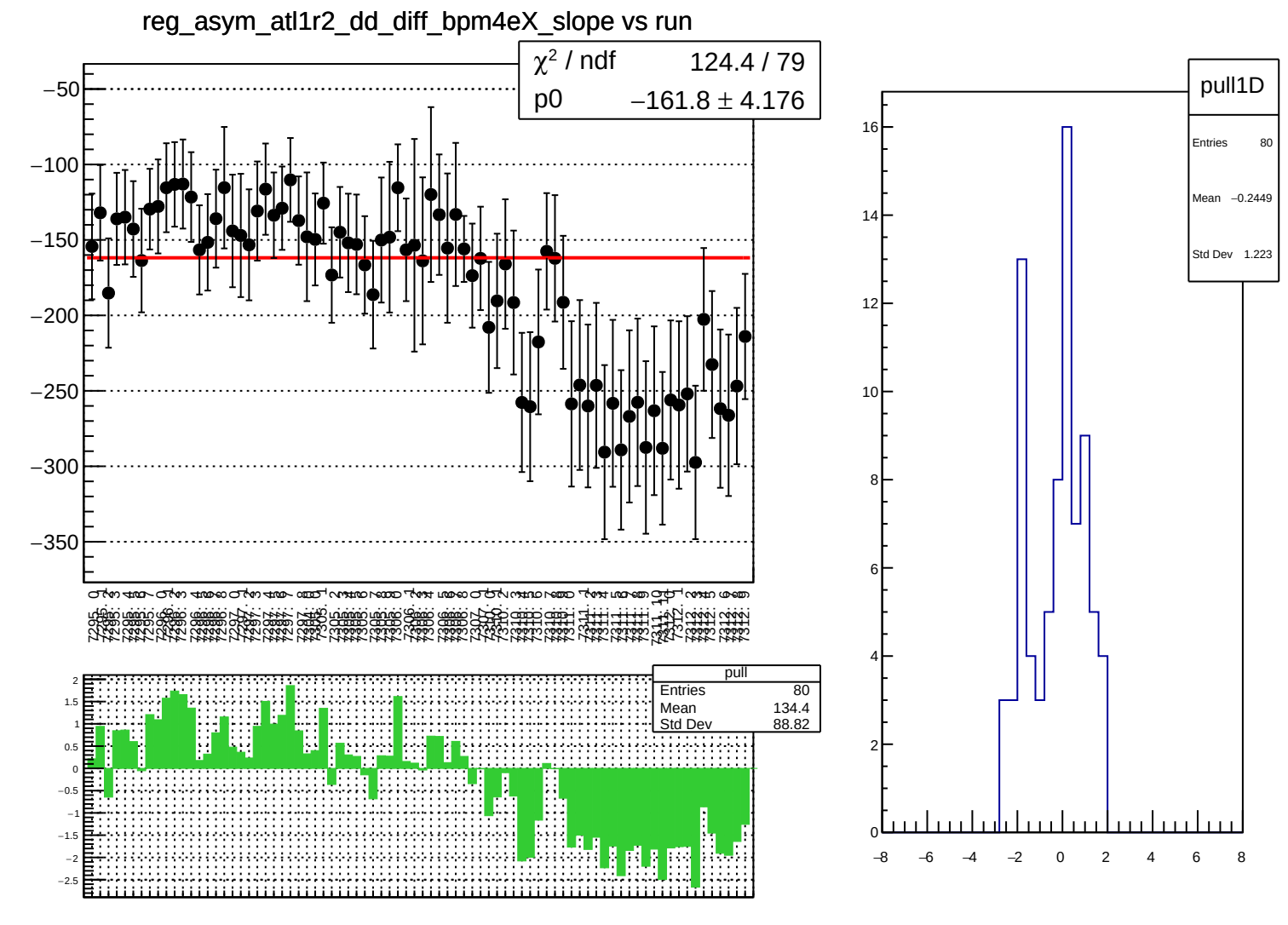

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 76.82 / 79
p0 −133.6 ± 0.2108
pull
Entries 80
Mean 304.5
Std Dev 268.6

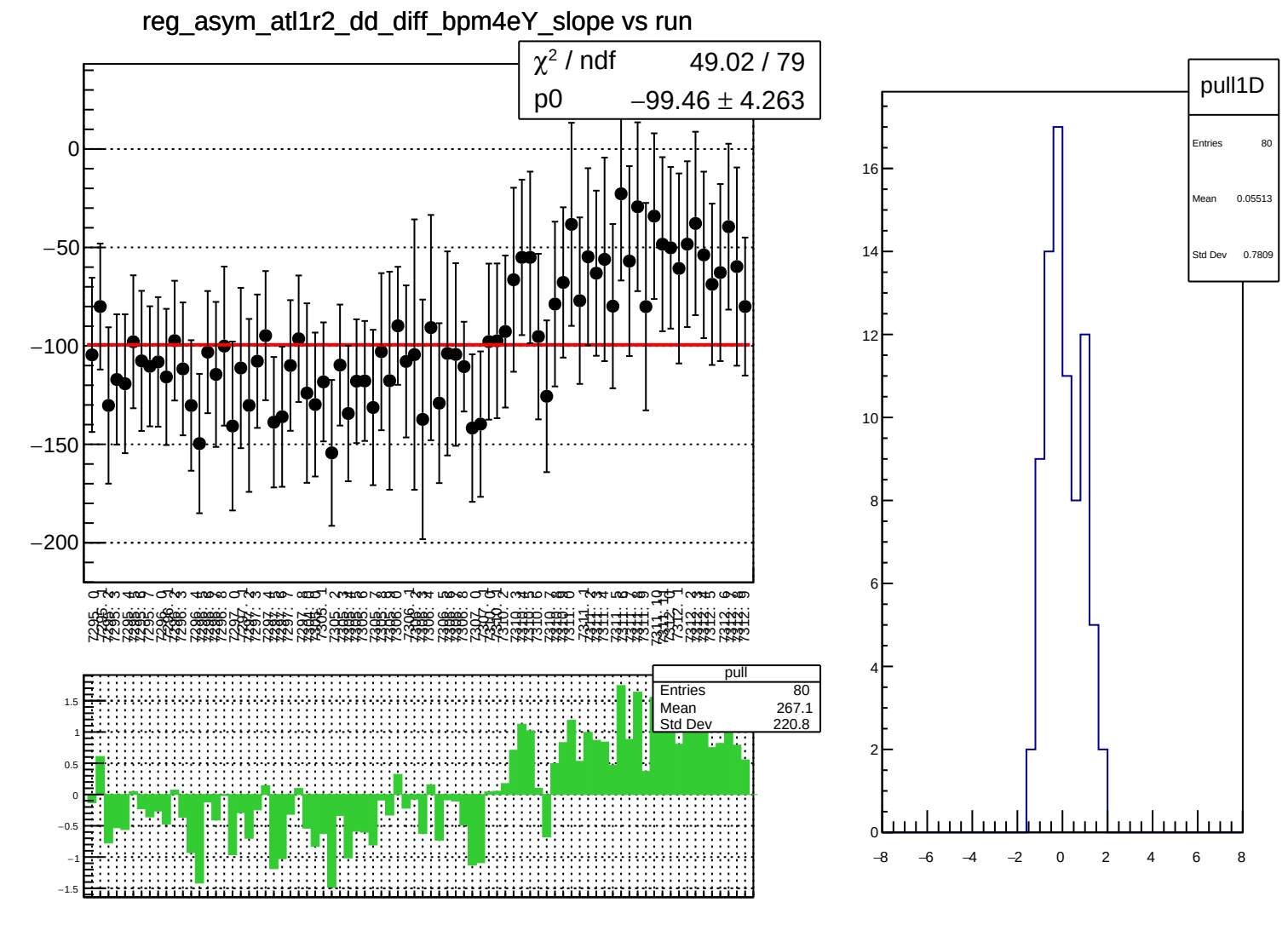

pull1D
Entries 80
Mean −0.04091
Std Dev 0.9791

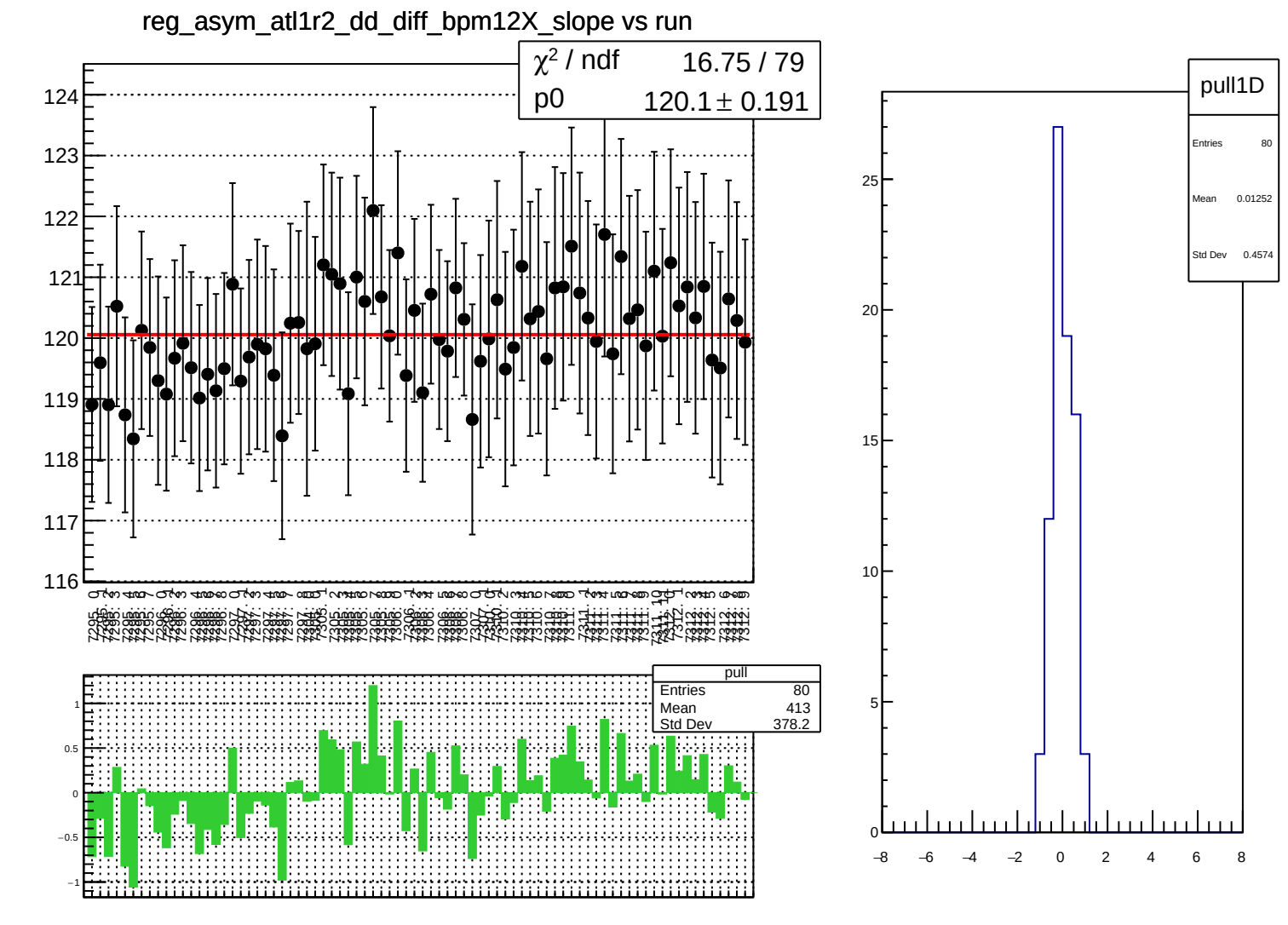

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 121.1 / 79
p0 133.8 ± 4.22
pull
Entries 80
Mean 135.3
Std Dev 89.5
pull1D
Entries 80
Mean 0.2355
Std Dev 1.208

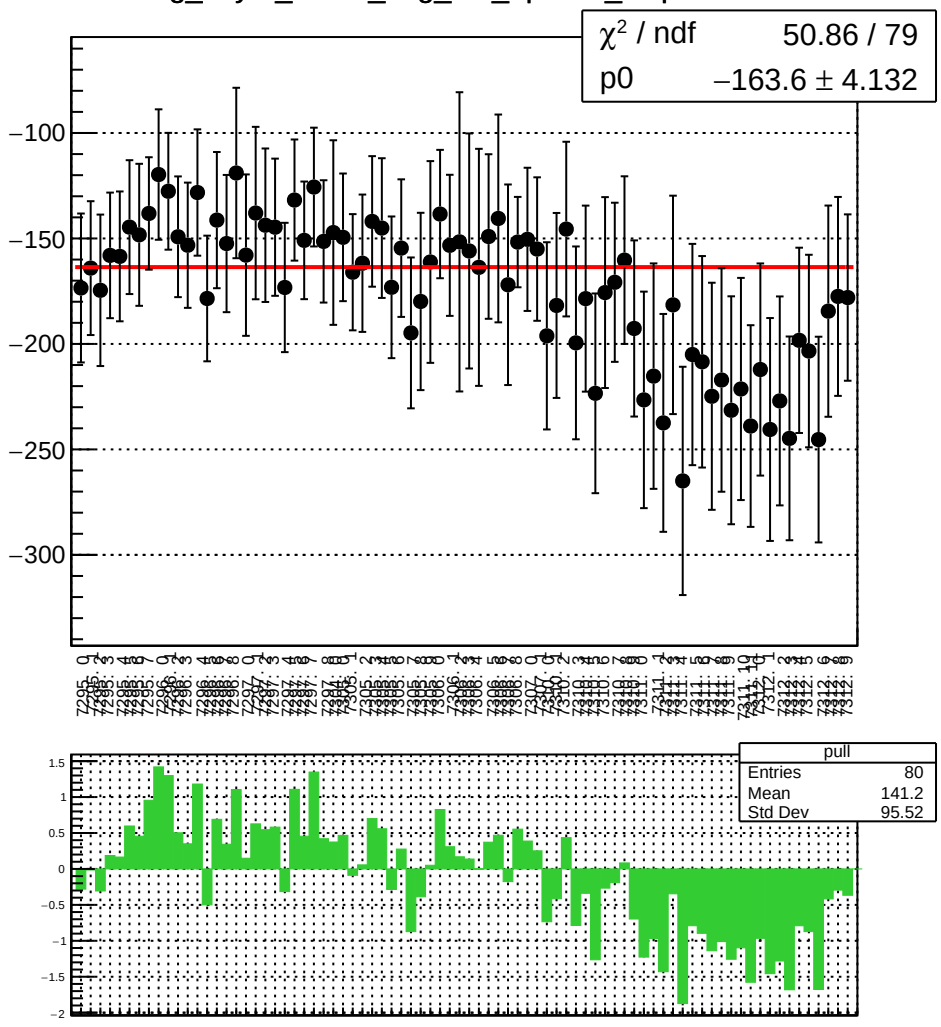

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.4 / 79
p0 29.94 ± 3.971
pull
Entries 80
Mean 336.6
Std Dev 290.5

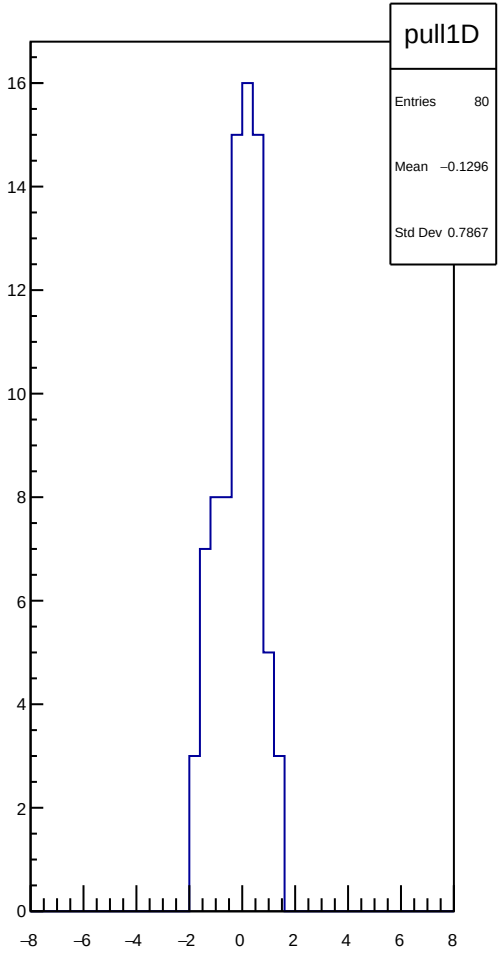

pull1D
Entries 80
Mean −0.04027
Std Dev 0.7523

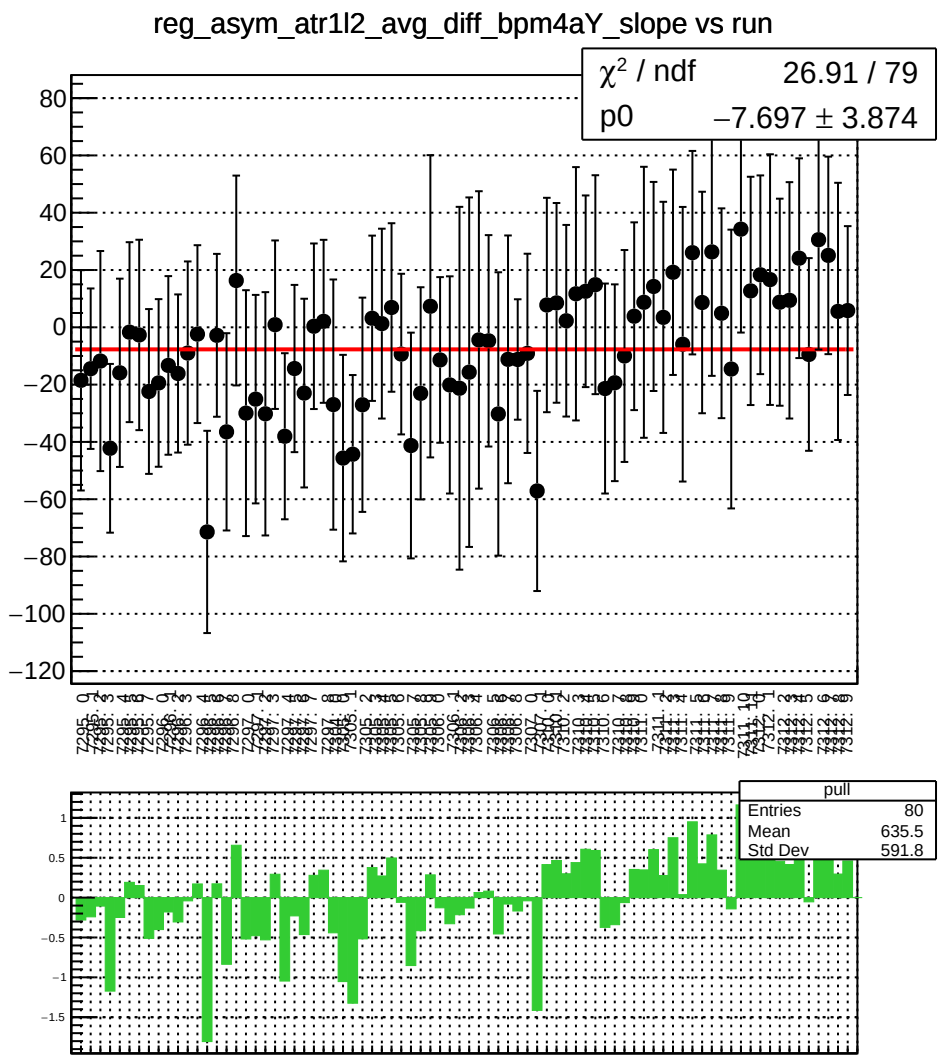

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 124.4 / 79
p0 −161.8 ± 4.176
pull
Entries 80
Mean 134.4
Std Dev 88.82
pull1D
Entries 80
Mean −0.2449
Std Dev 1.223

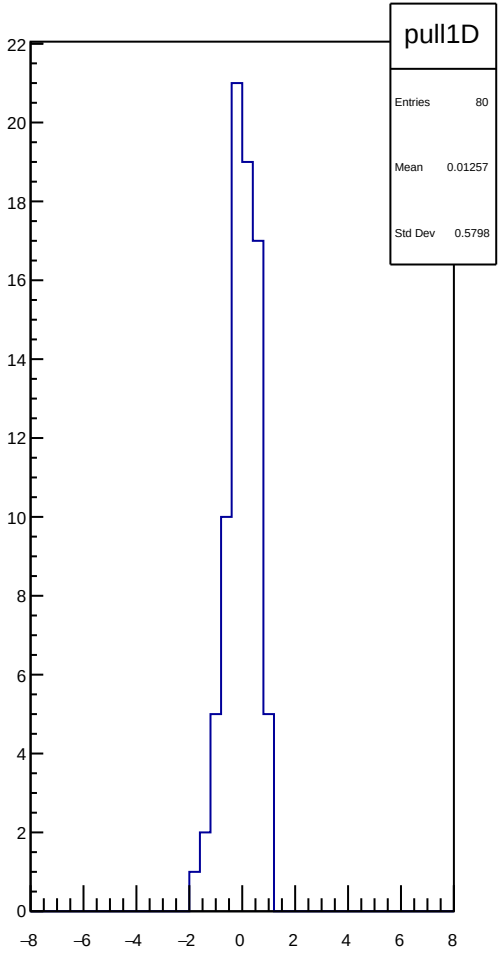

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.02 / 79
p0 −99.46 ± 4.263
pull
Entries 80
Mean 267.1
Std Dev 220.8
pull1D
Entries 80
Mean 0.05513
Std Dev 0.7809

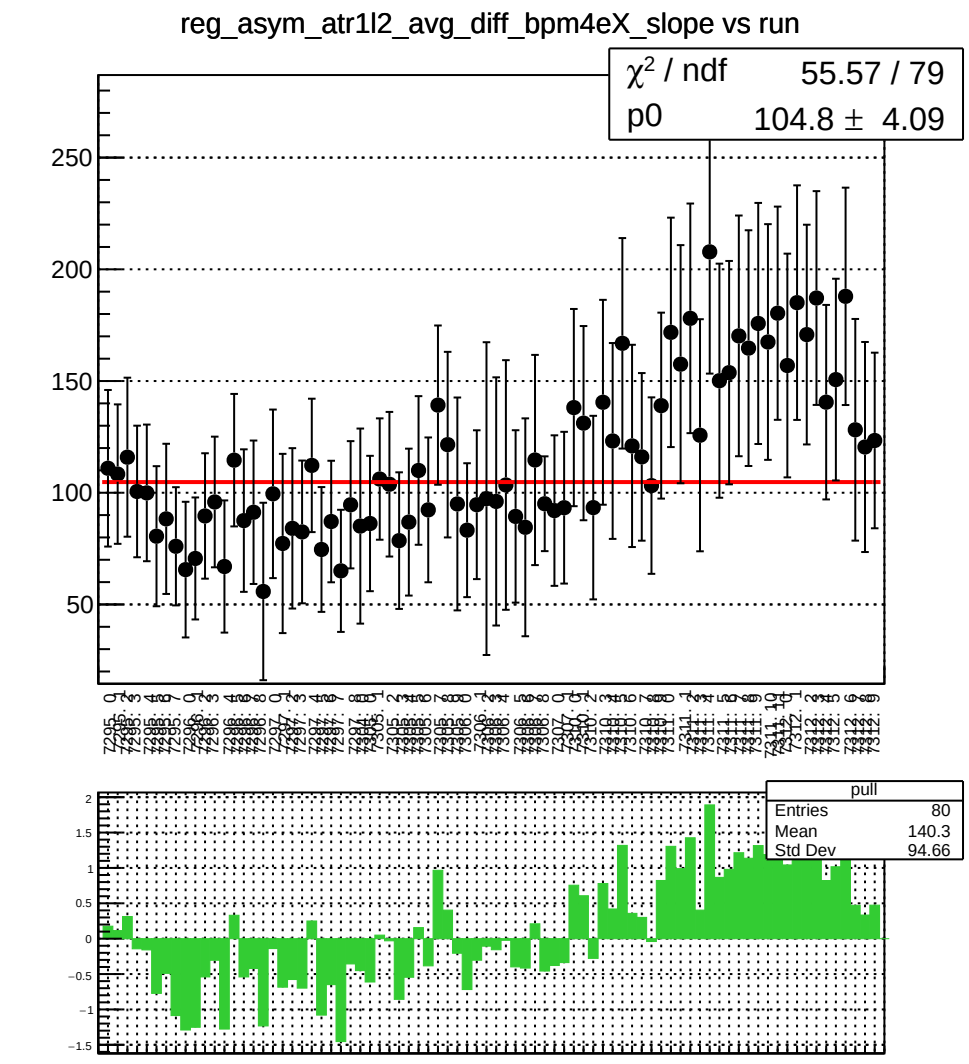

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.75 / 79
p0 120.1 ± 0.191
pull
Entries 80
Mean 413
Std Dev 378.2
pull1D
Entries 80
Mean 0.01252
Std Dev 0.4574

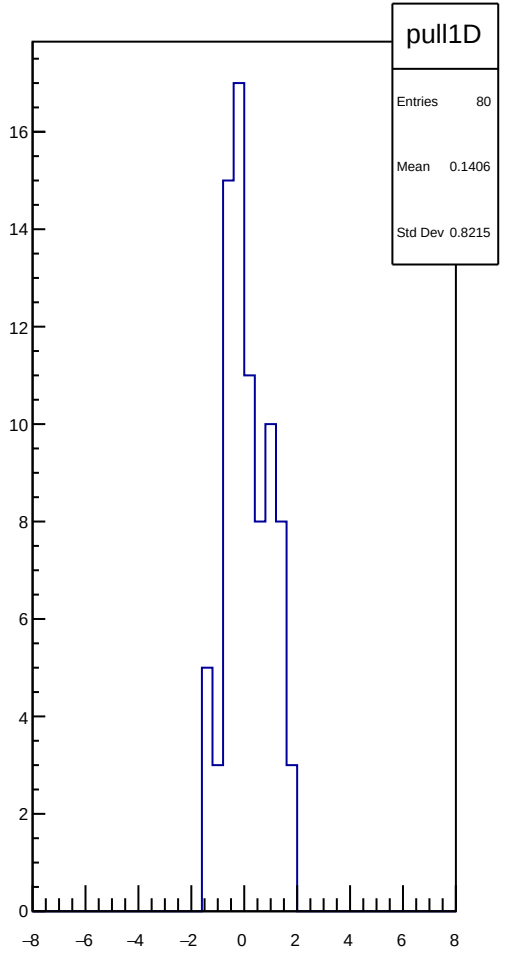

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 50.86 / 79
p0 −163.6 ± 4.132
pull
Entries 80
Mean 141.2
Std Dev 95.52

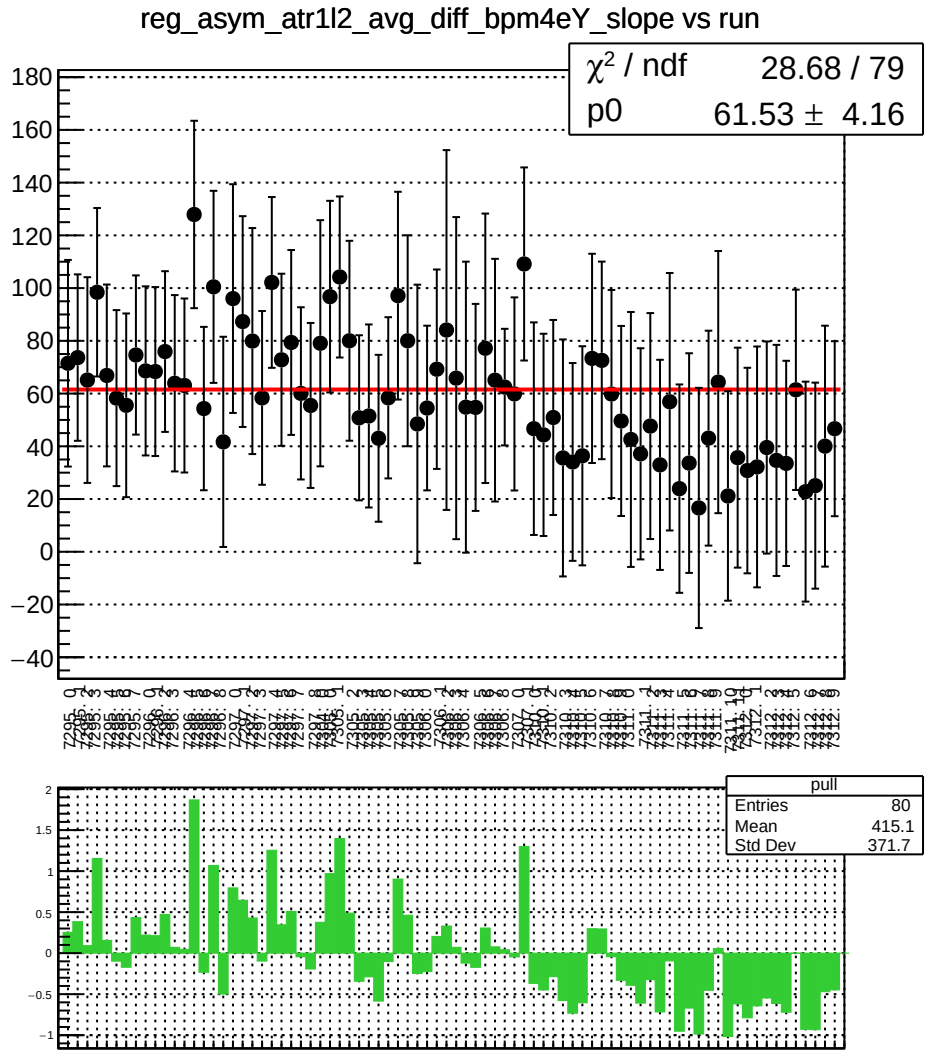

pull1D
Entries 80
Mean −0.1296
Std Dev 0.7867

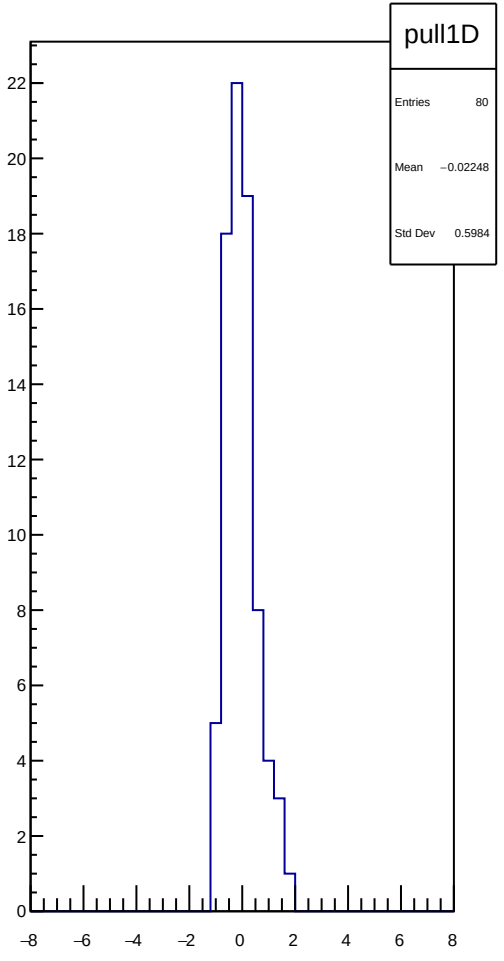

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 79
p0 −7.697 ± 3.874
pull
Entries 80
Mean 635.5
Std Dev 591.8

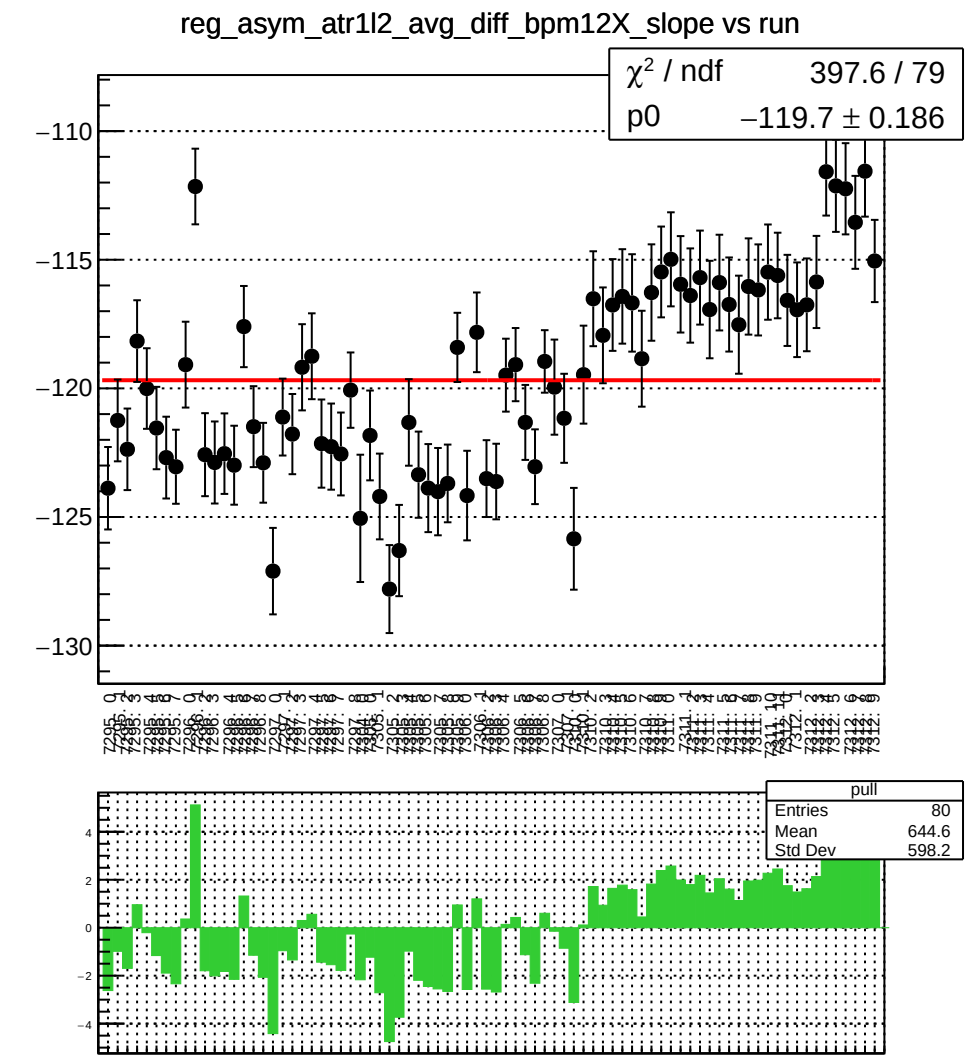

pull1D
Entries 80
Mean 0.01257
Std Dev 0.5798

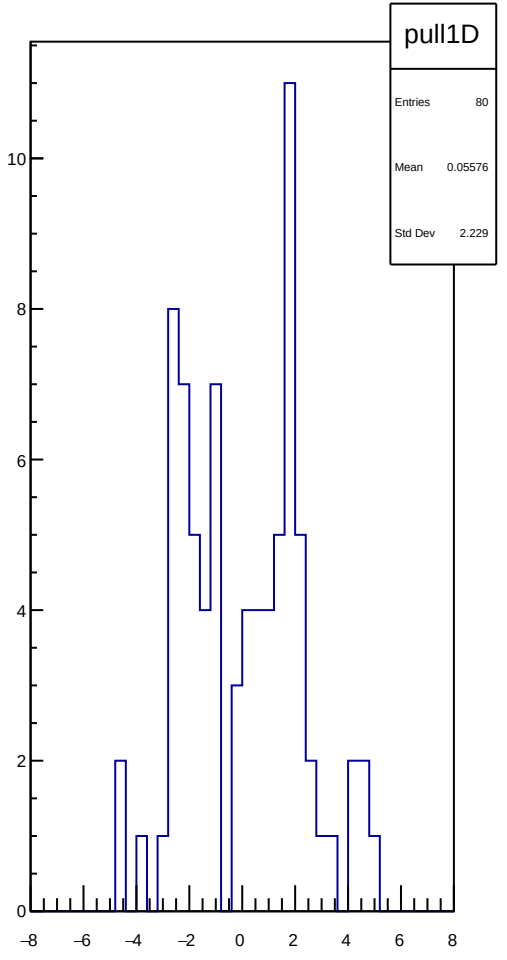

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.57 / 79
p0 104.8 ± 4.09
250
200
150
100
50
pull
Entries 80
Mean 140.3
Std Dev 94.66
2
1.5
1
0.5
0
−0.5
−1
−1.5

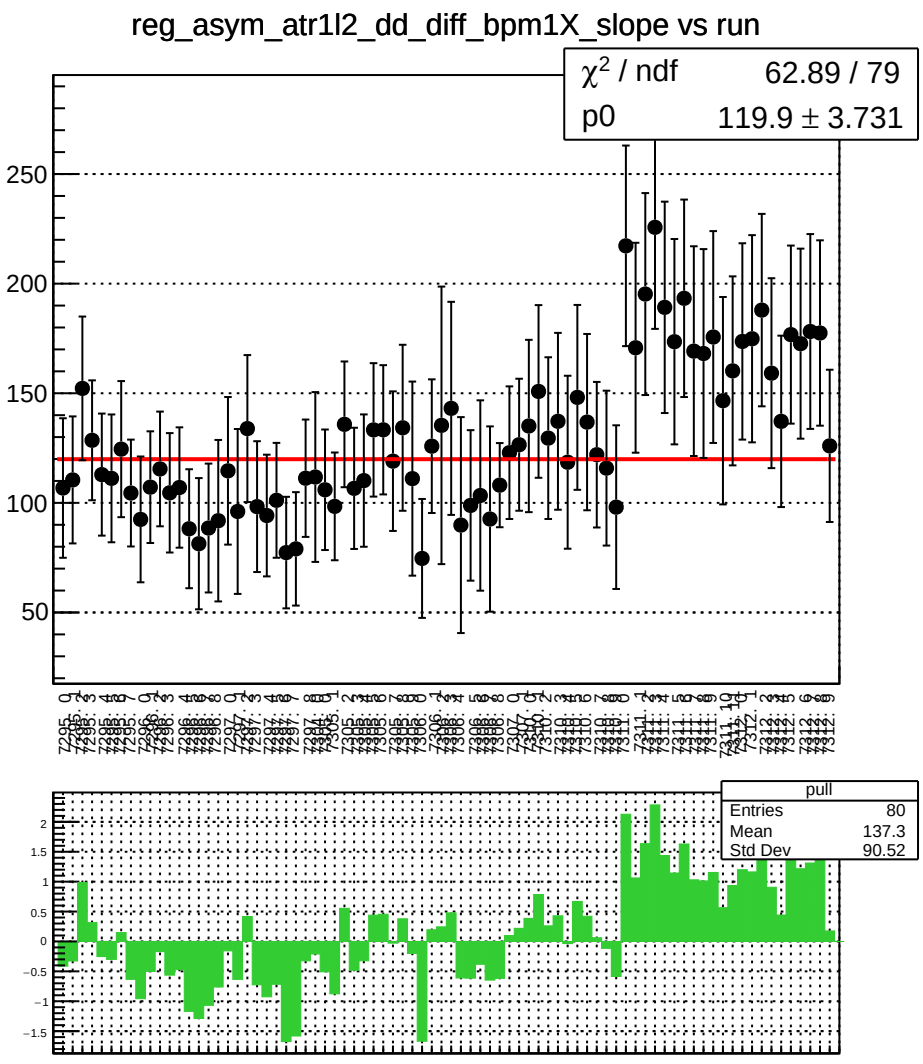

pull1D
Entries 80
Mean 0.1406
Std Dev 0.8215
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

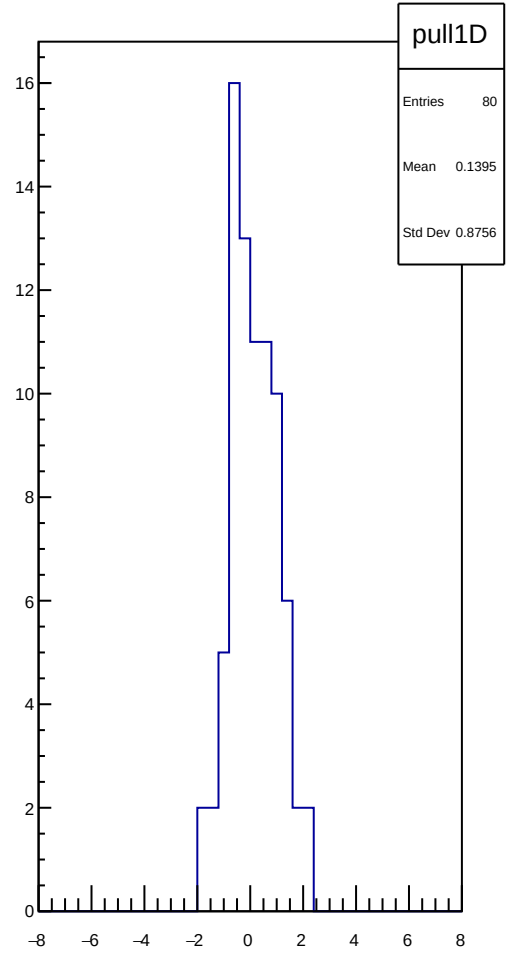

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.68 / 79
p0 61.53 ± 4.16
pull
Entries 80
Mean 415.1
Std Dev 371.7

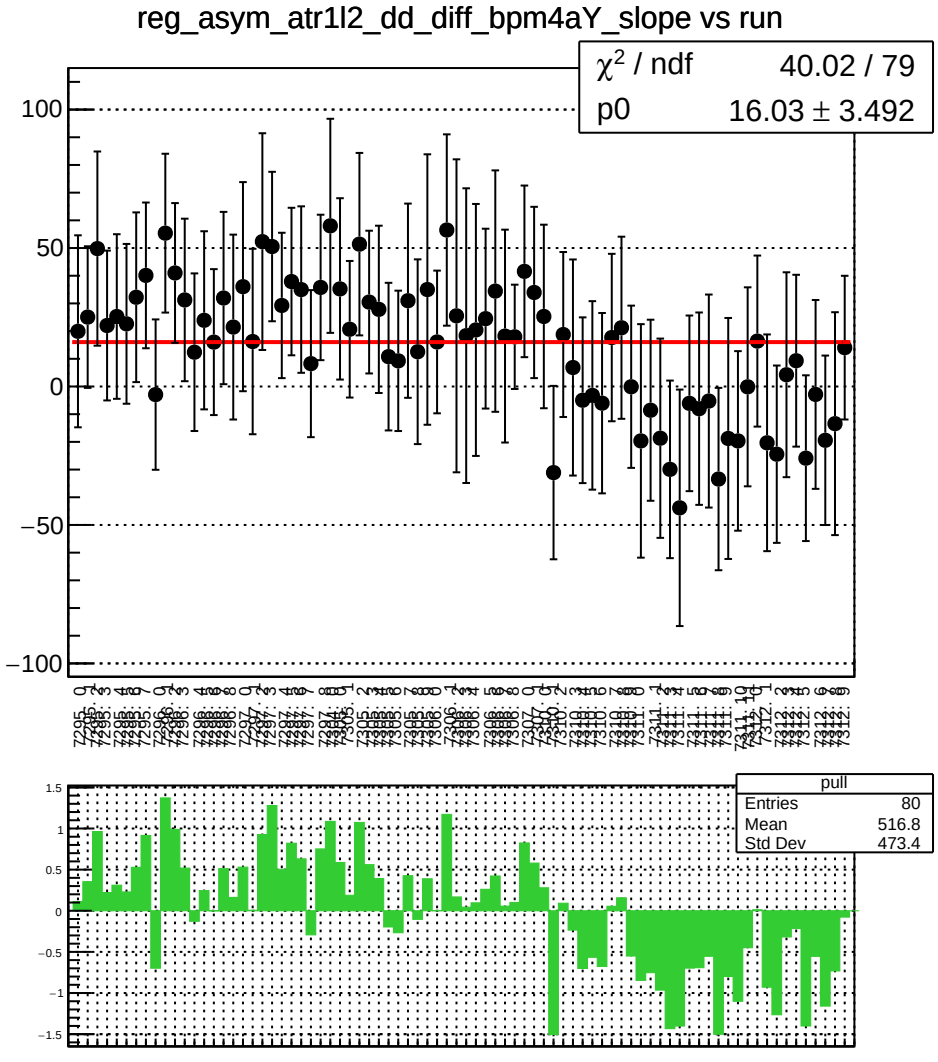

pull1D
Entries 80
Mean −0.02248
Std Dev 0.5984

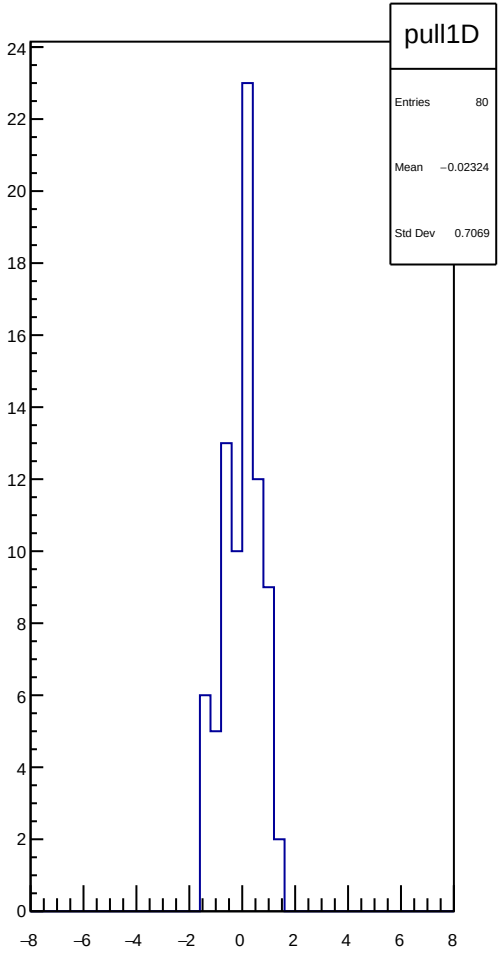

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 397.6 / 79
p0 −119.7 ± 0.186
−110
−115
−120
−125
−130
pull
Entries 80
Mean 644.6
Std Dev 598.2
4
2
0
−2
−4

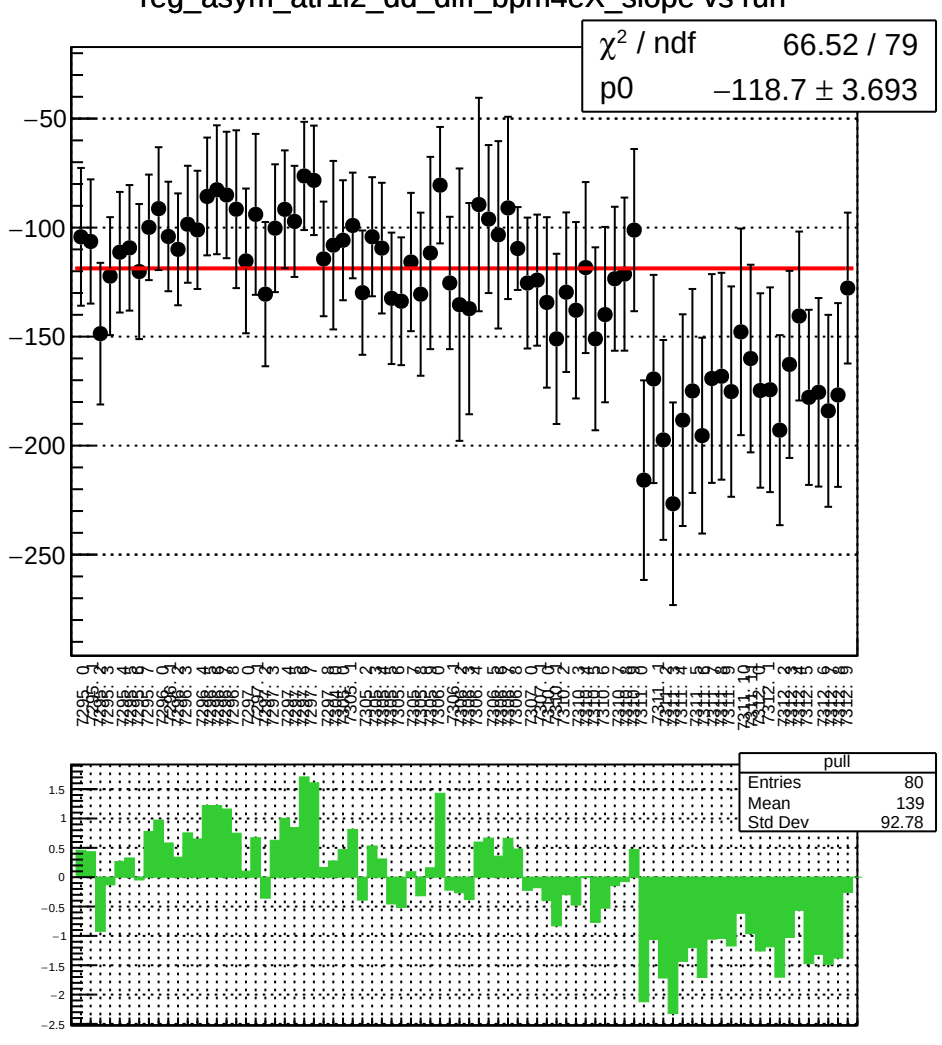

pull1D
Entries 80
Mean 0.05576
Std Dev 2.229
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

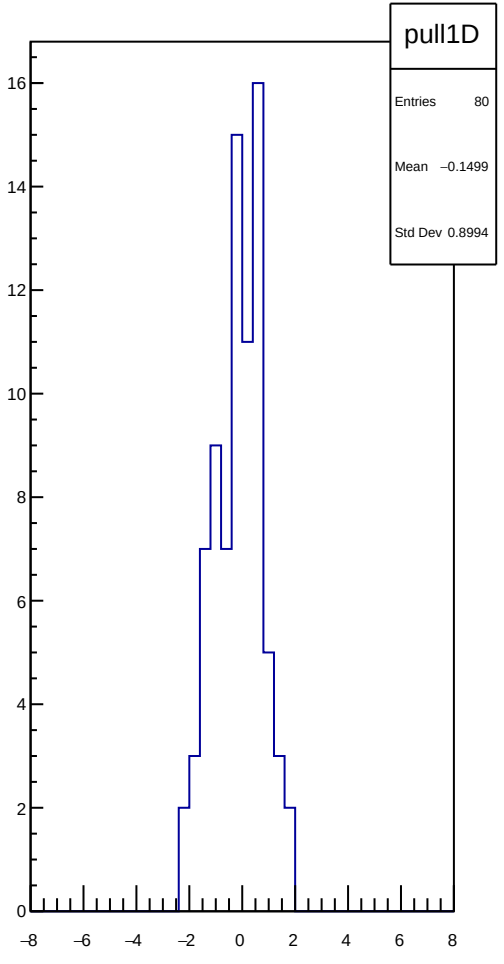

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.89 / 79
p0 119.9 ± 3.731
250
200
150
100
50
pull
Entries 80
Mean 137.3
Std Dev 90.52
2
1.5
1
0.5
0
−0.5
−1
−1.5

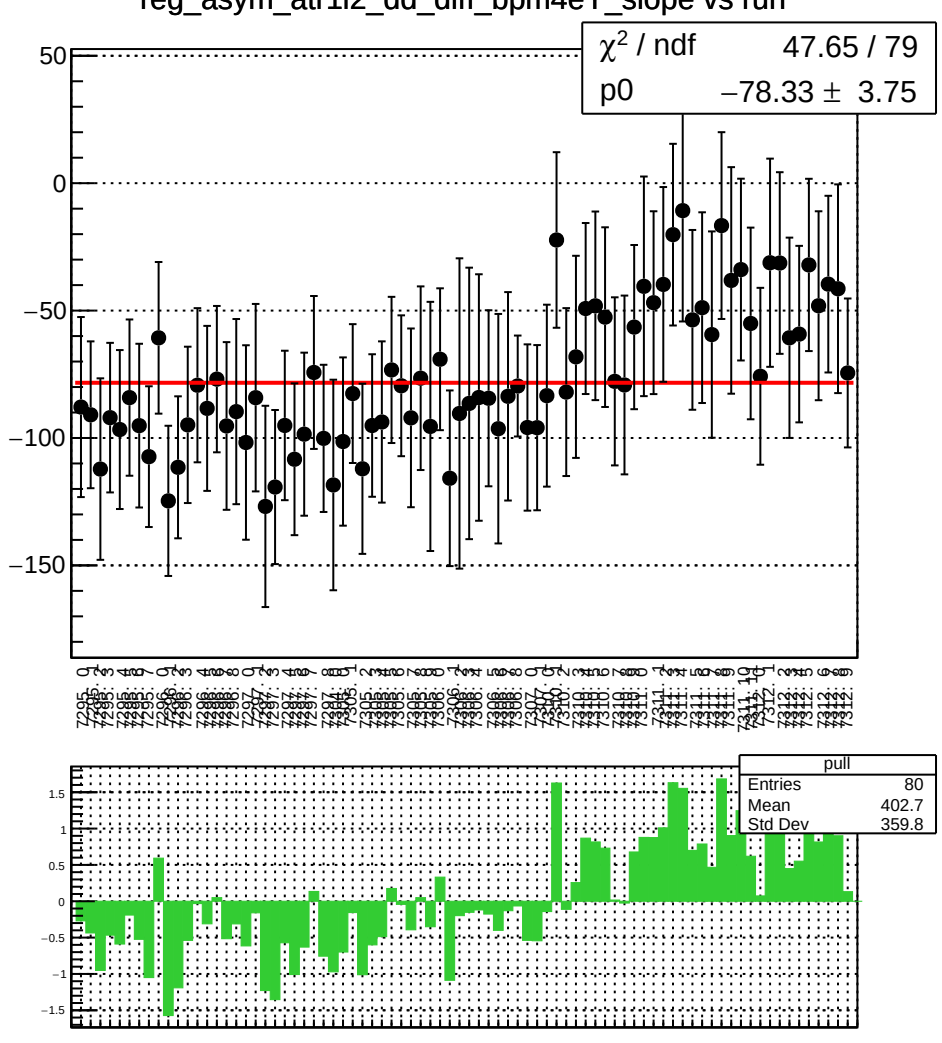

pull1D
Entries 80
Mean 0.1395
Std Dev 0.8756
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

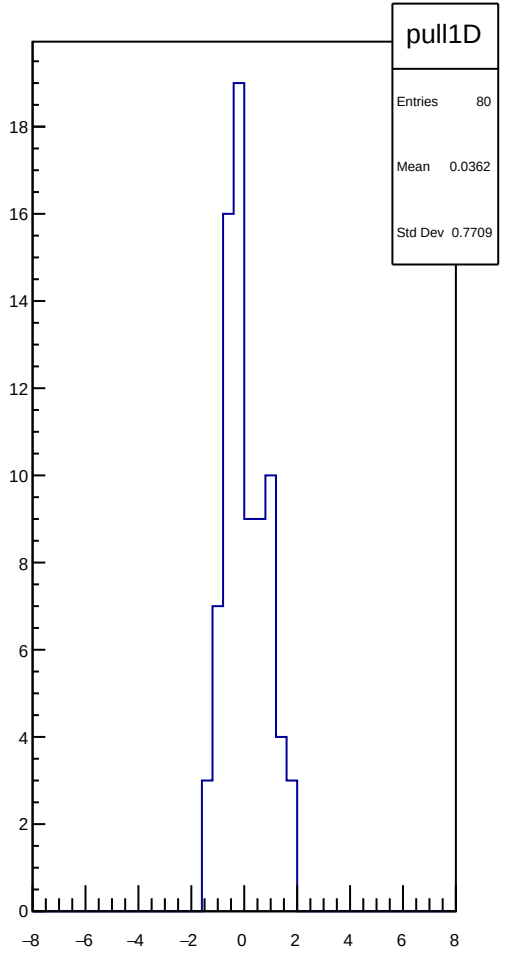

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.02 / 79
p0 16.03 ± 3.492
pull
Entries 80
Mean 516.8
Std Dev 473.4

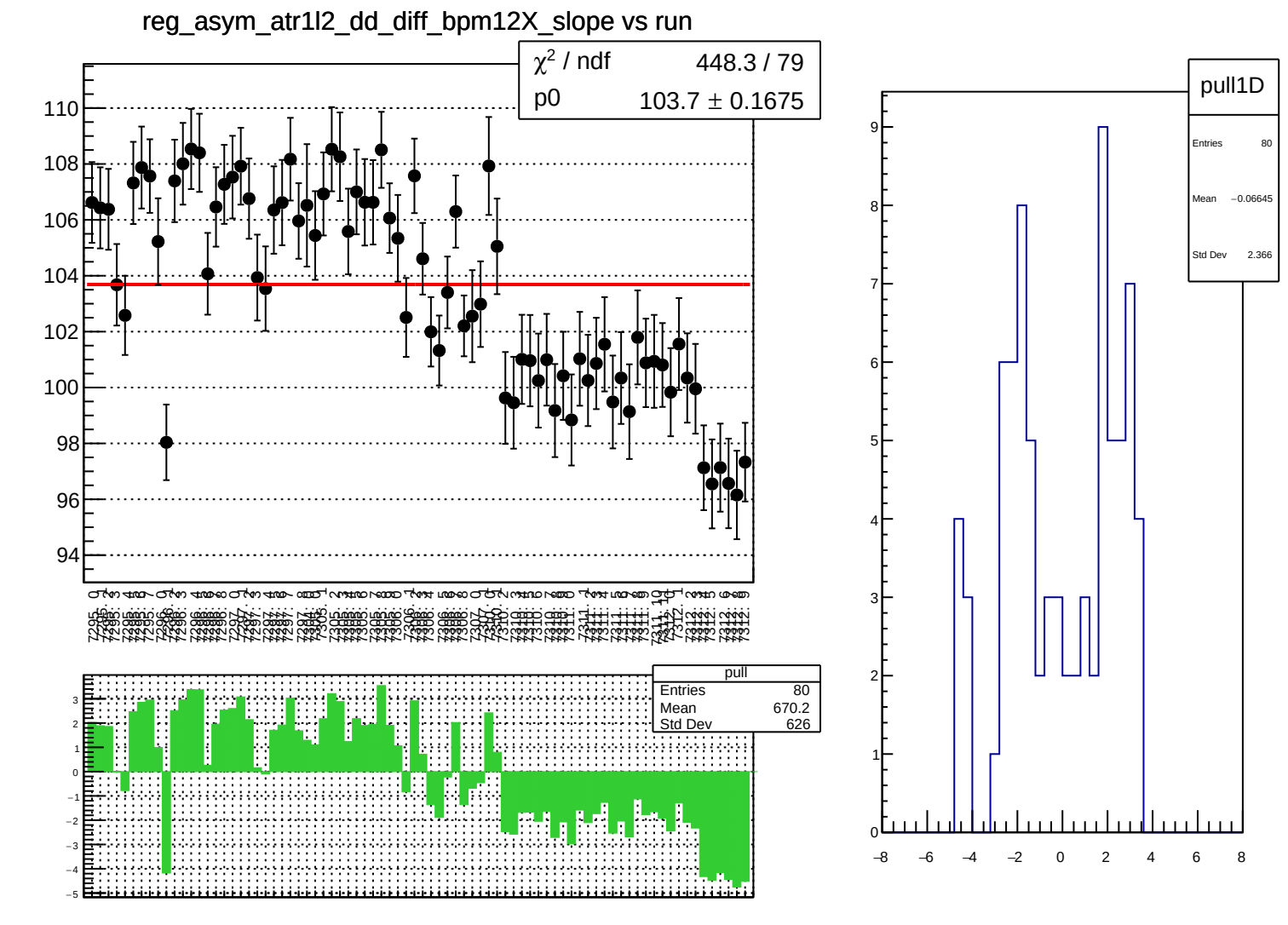

pull1D
Entries 80
Mean −0.02324
Std Dev 0.7069

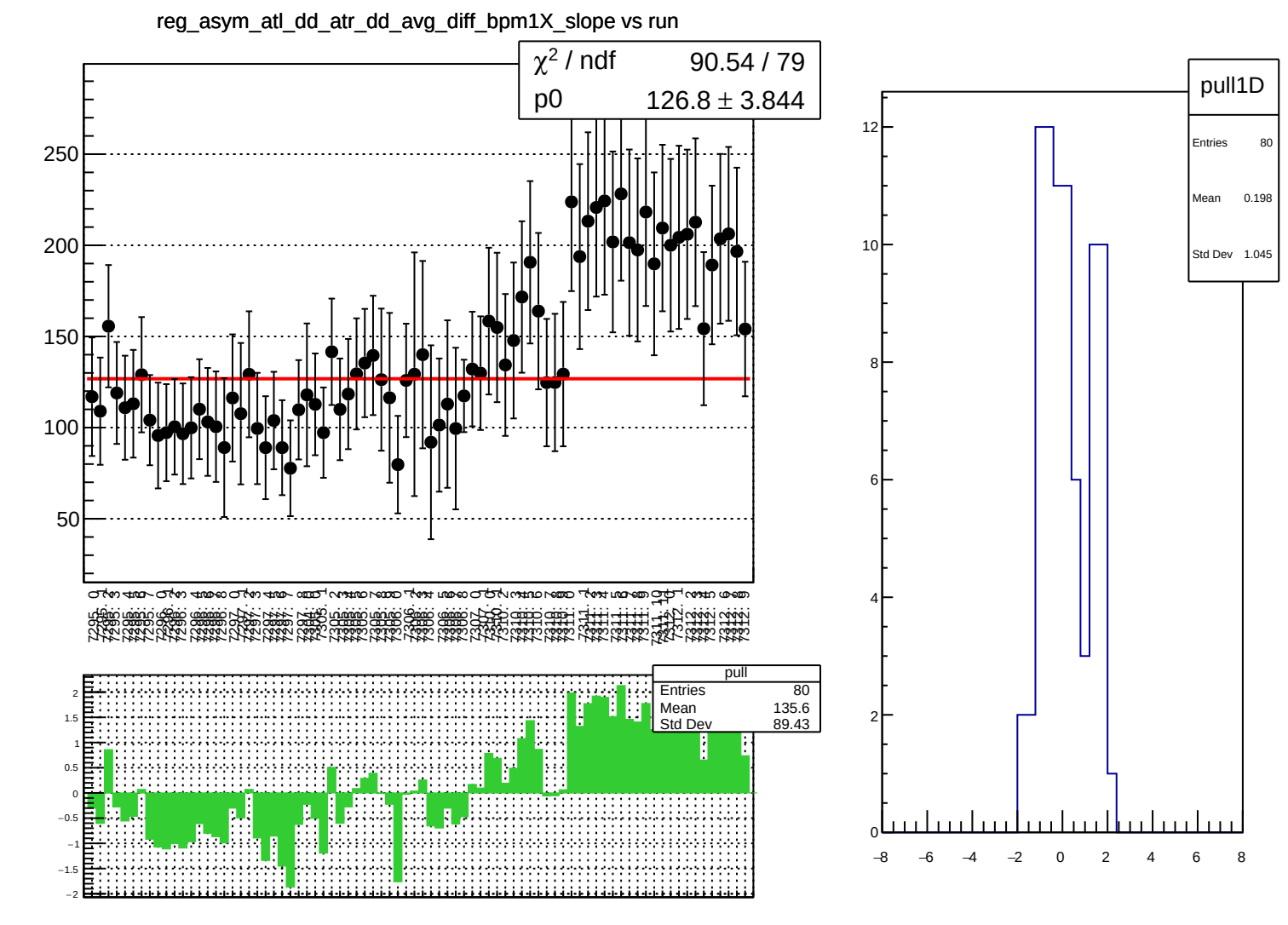

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 66.52 / 79
p0 −118.7 ± 3.693
pull
Entries 80
Mean 139
Std Dev 92.78

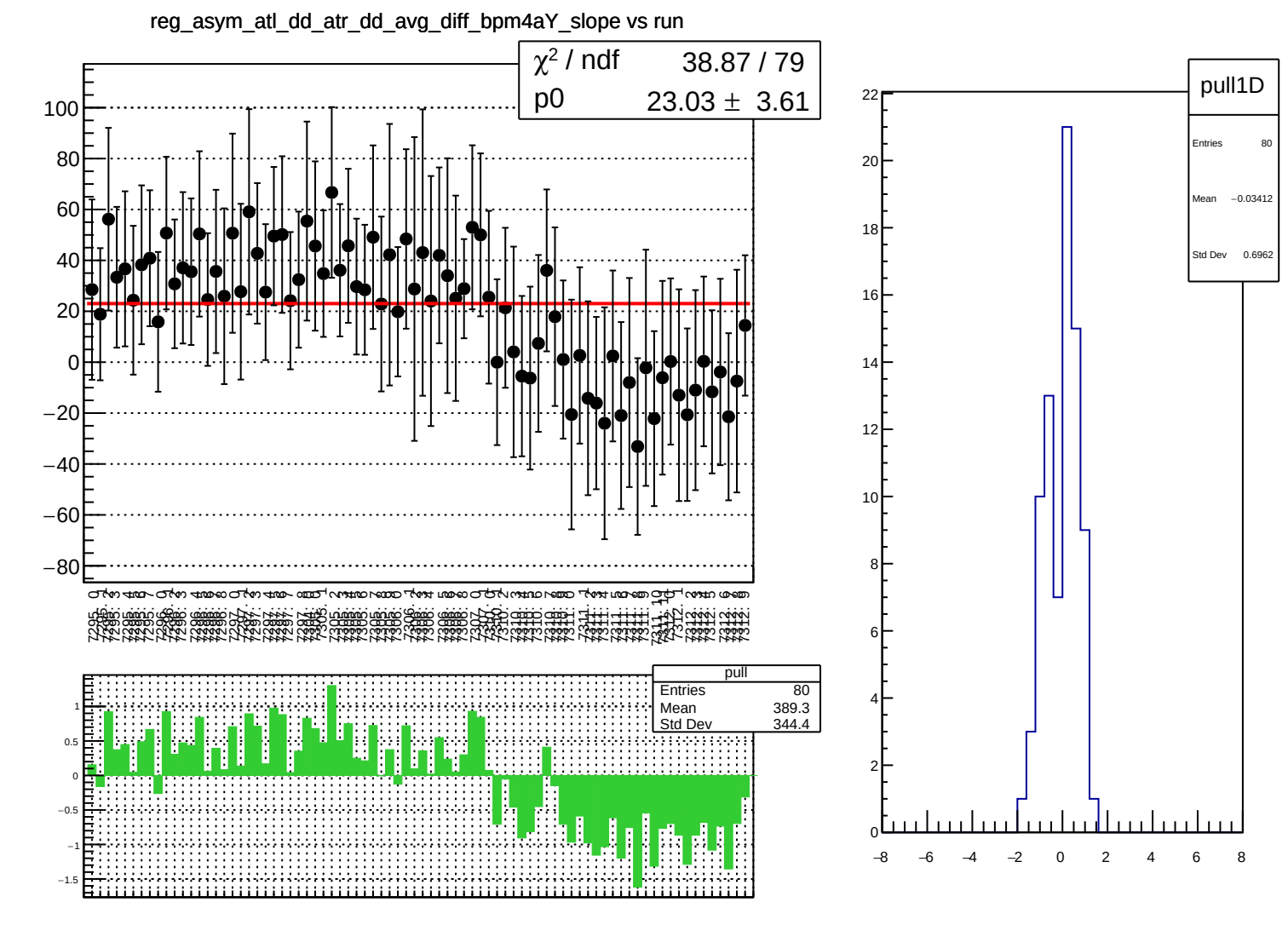

pull1D
Entries 80
Mean −0.1499
Std Dev 0.8994

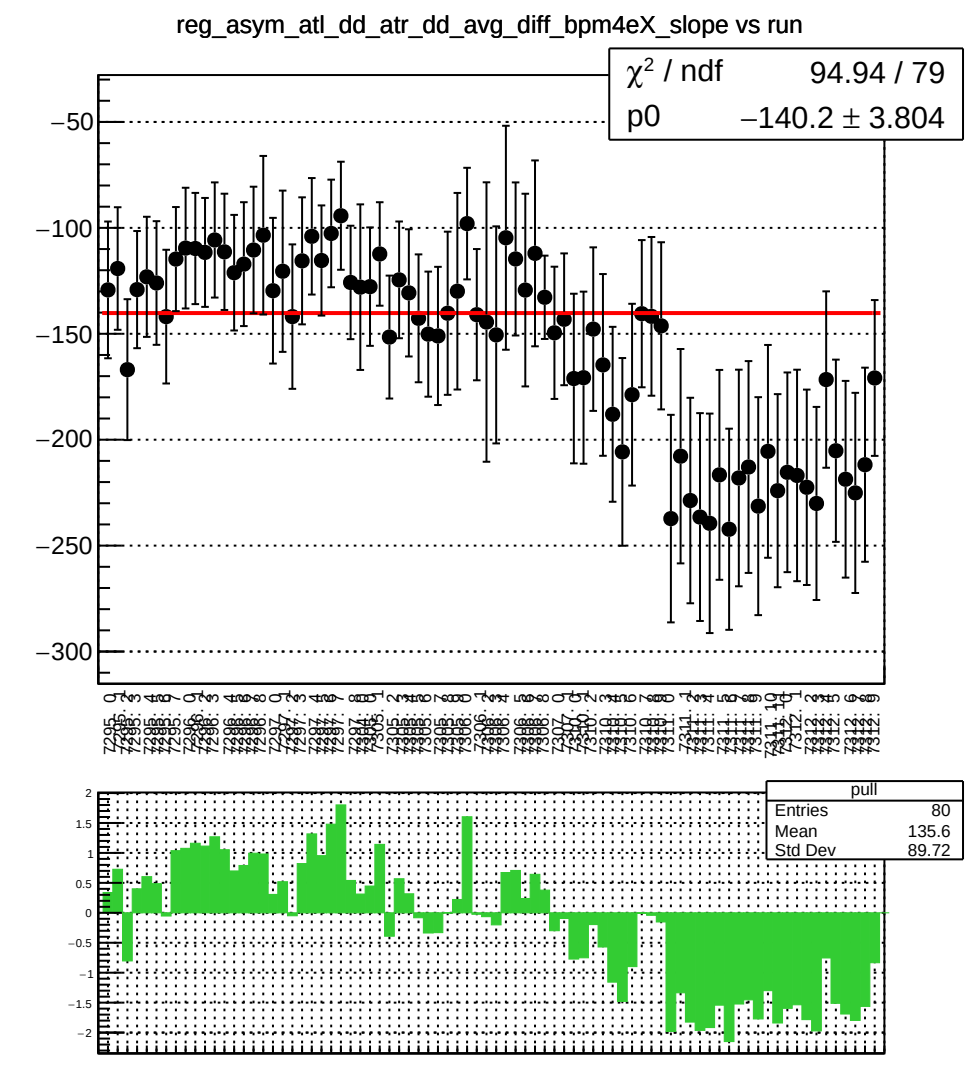

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.65 / 79
p0 −78.33 ± 3.75
pull
Entries 80
Mean 402.7
Std Dev 359.8

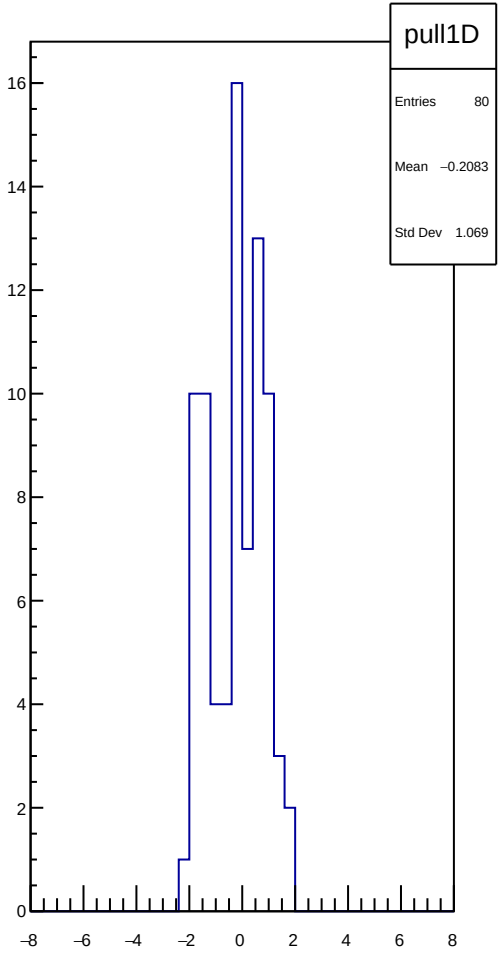

pull1D
Entries 80
Mean 0.0362
Std Dev 0.7709

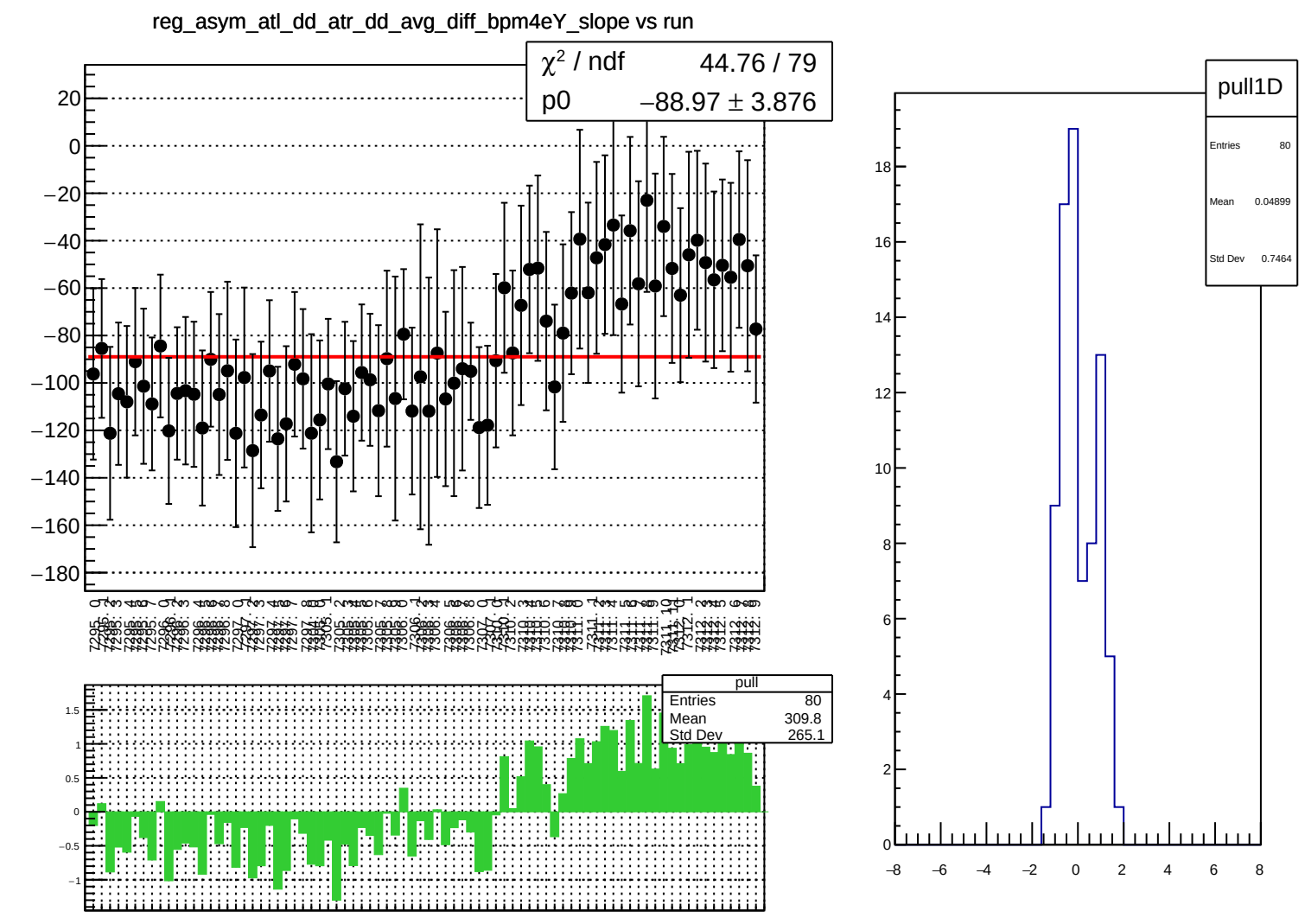

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 448.3 / 79
p0 103.7 ± 0.1675
pull
Entries 80
Mean 670.2
Std Dev 626
pull1D
Entries 80
Mean −0.06645
Std Dev 2.366

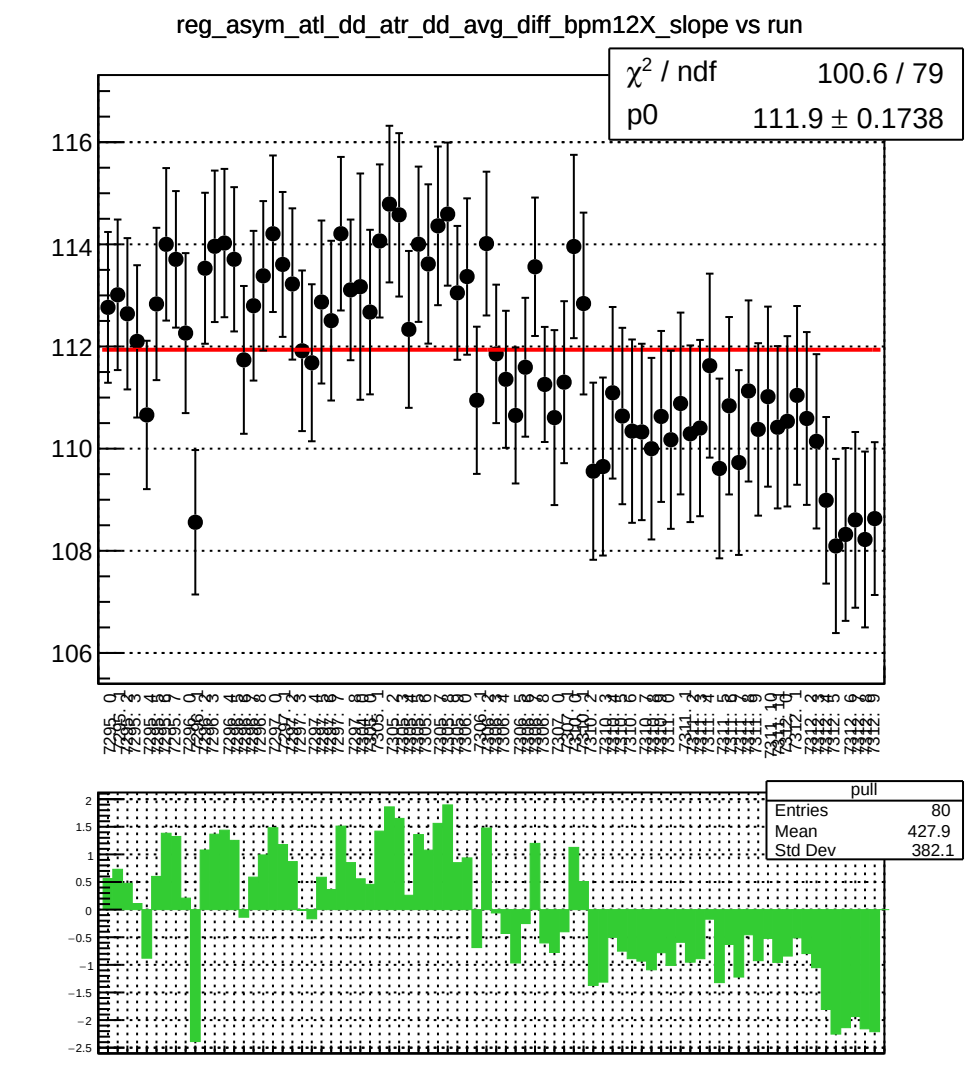

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 90.54 / 79
p0 126.8 ± 3.844
250
200
150
100
50
pull
Entries 80
Mean 135.6
Std Dev 89.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.198
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

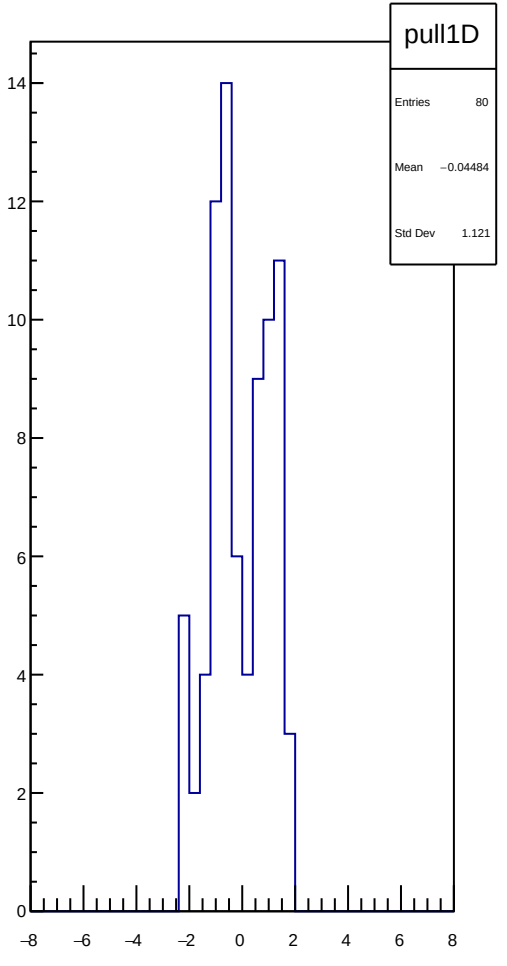

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.87 / 79
p0 23.03 ± 3.61
pull
Entries 80
Mean 389.3
Std Dev 344.4
pull1D
Entries 80
Mean −0.03412
Std Dev 0.6962

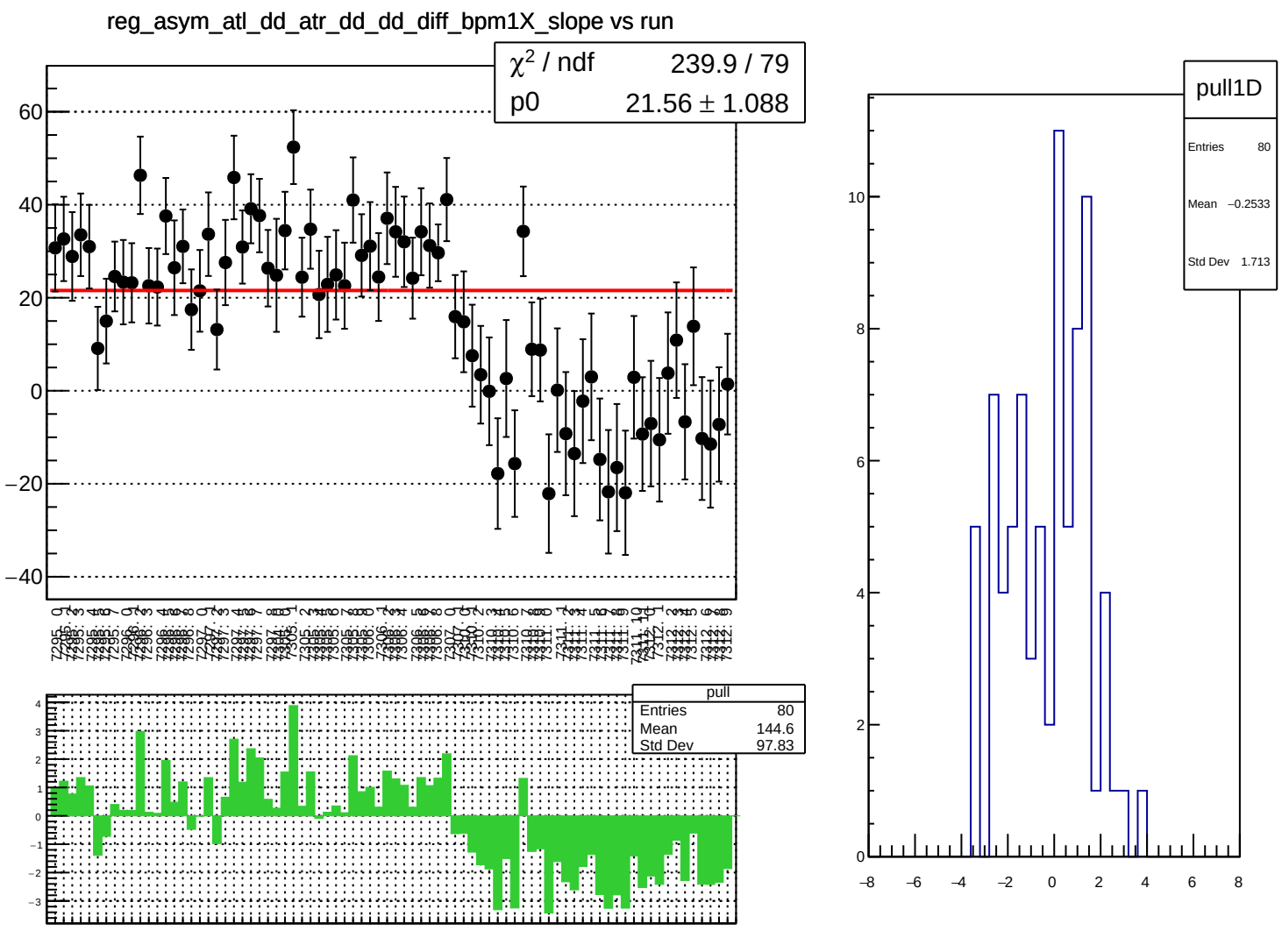

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.94 / 79
p0 −140.2 ± 3.804
pull
Entries 80
Mean 135.6
Std Dev 89.72

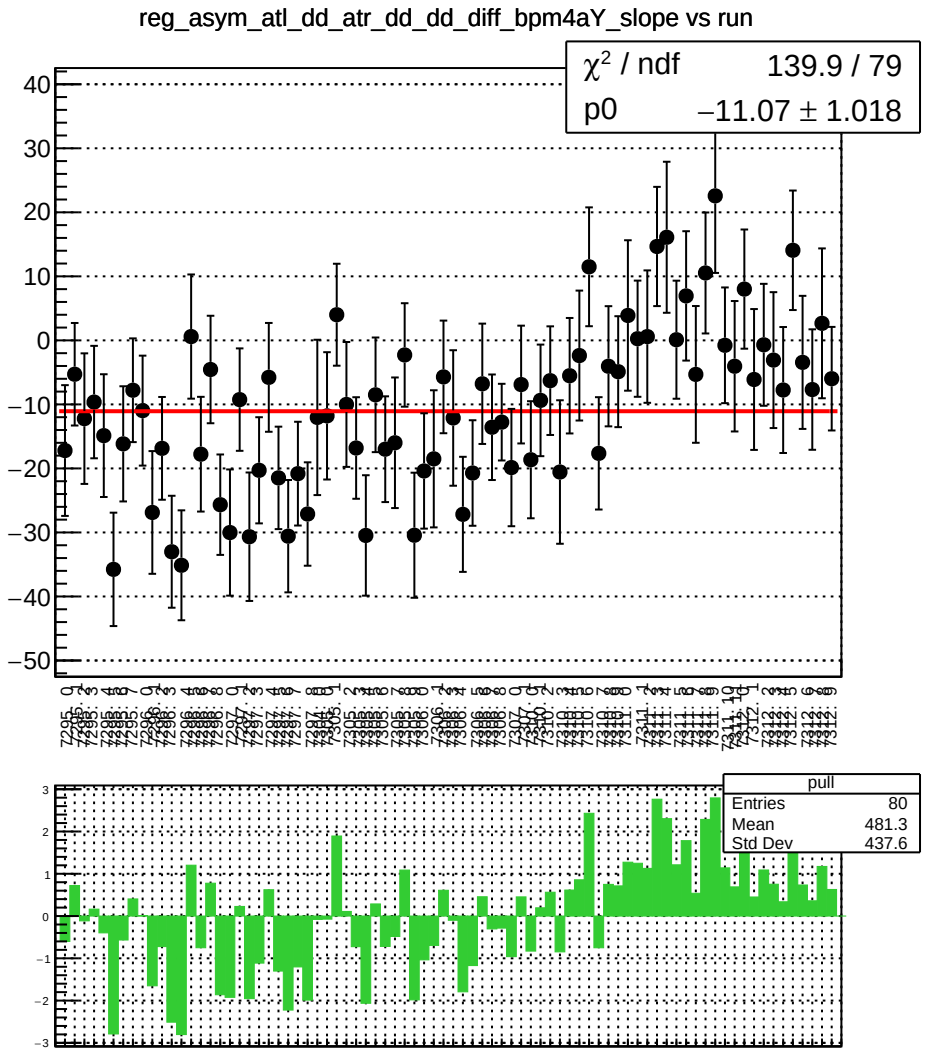

pull1D
Entries 80
Mean −0.2083
Std Dev 1.069

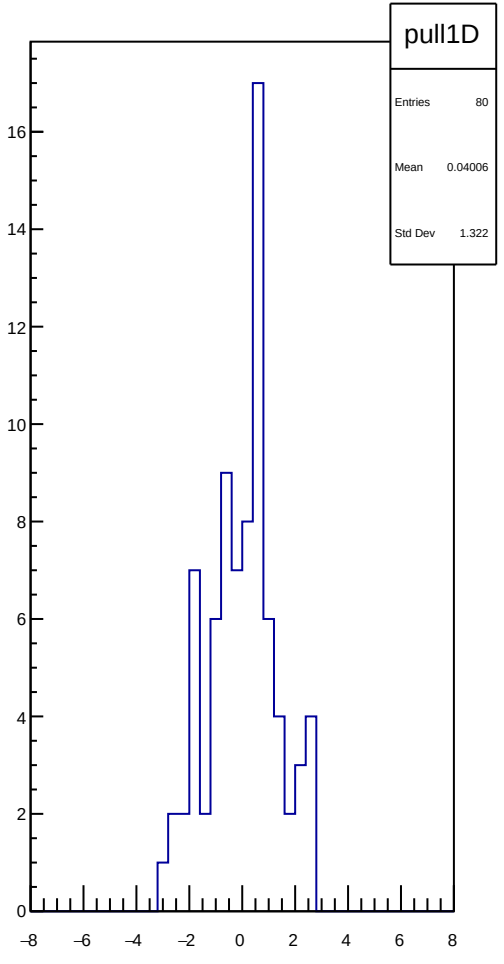

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.76 / 79
p0 −88.97 ± 3.876
pull
Entries 80
Mean 309.8
Std Dev 265.1
pull1D
Entries 80
Mean 0.04899
Std Dev 0.7464

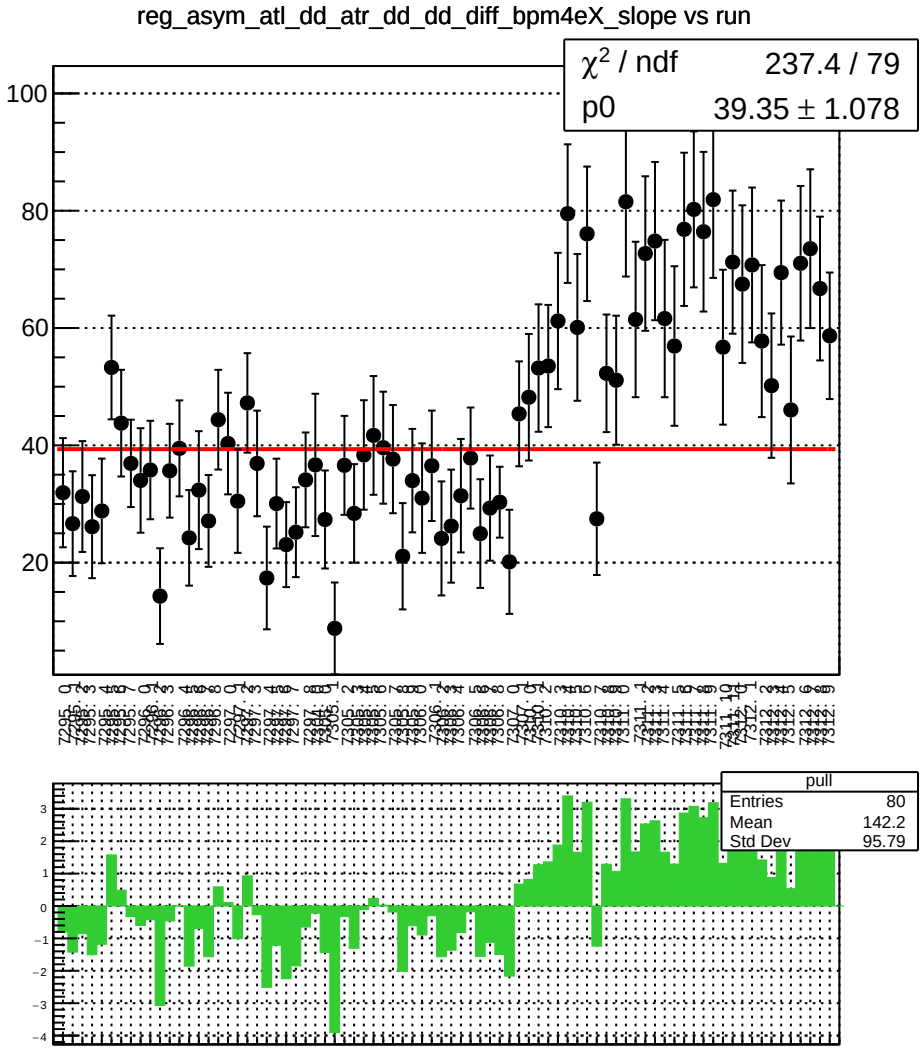

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 100.6 / 79
p0 111.9 ± 0.1738
116
114
112
110
108
106
pull
Entries 80
Mean 427.9
Std Dev 382.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

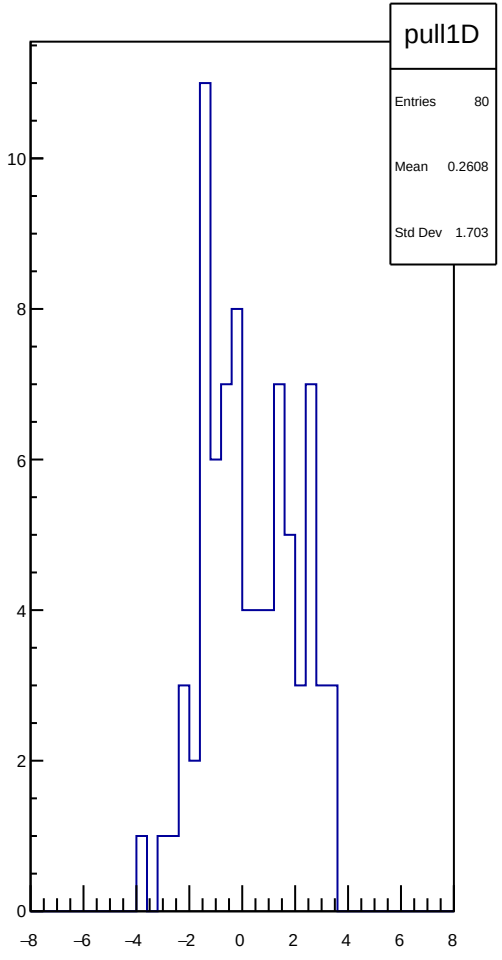

pull1D
Entries 80
Mean −0.04484
Std Dev 1.121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

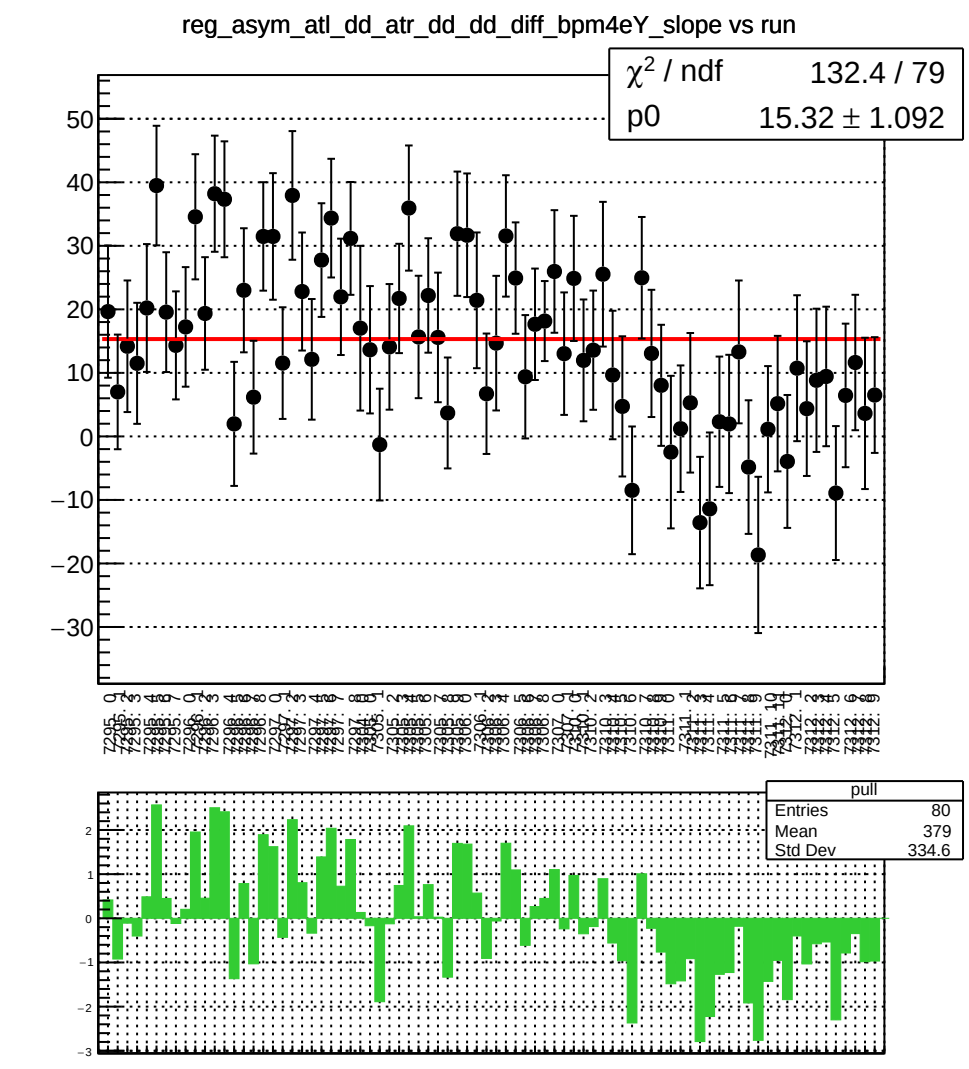

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 239.9 / 79
p0 21.56 ± 1.088
pull
Entries 80
Mean 144.6
Std Dev 97.83
pull1D
Entries 80
Mean −0.2533
Std Dev 1.713

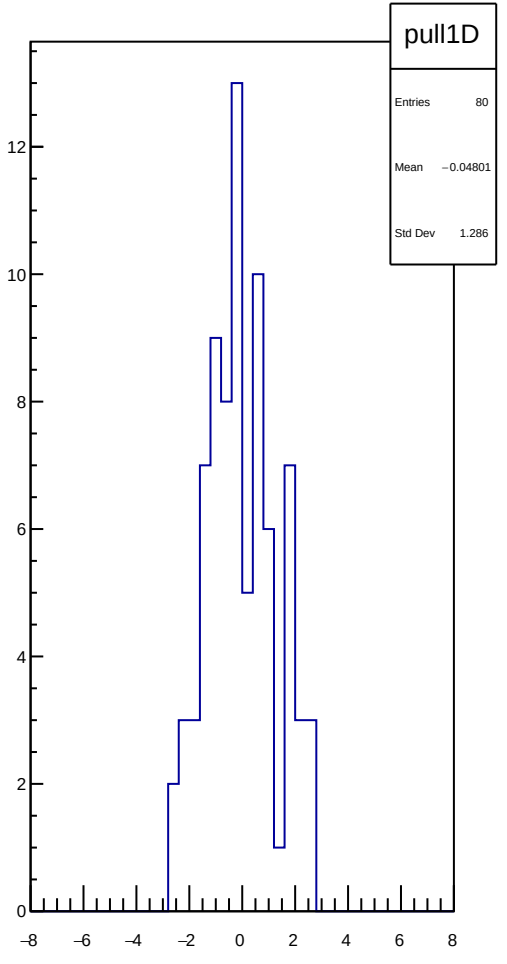

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 139.9 / 79
p0 −11.07 ± 1.018
pull
Entries 80
Mean 481.3
Std Dev 437.6

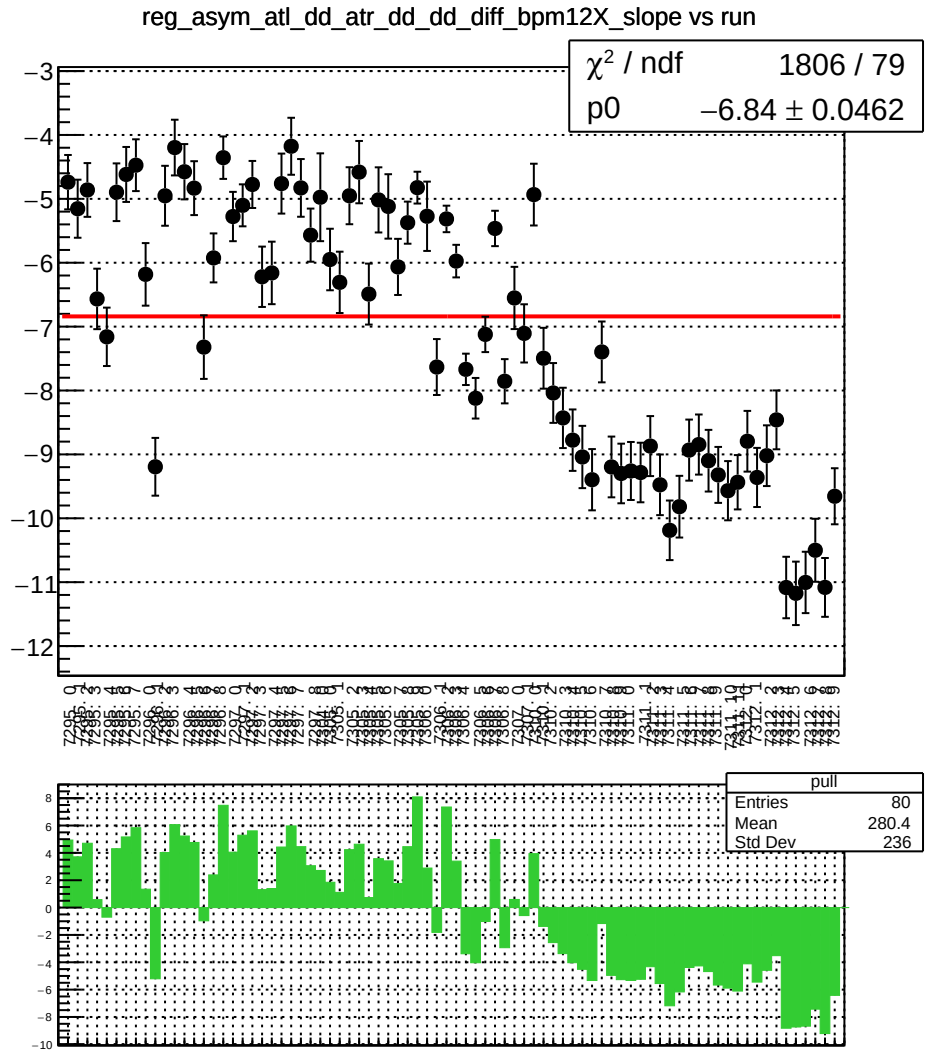

pull1D
Entries 80
Mean 0.04006
Std Dev 1.322

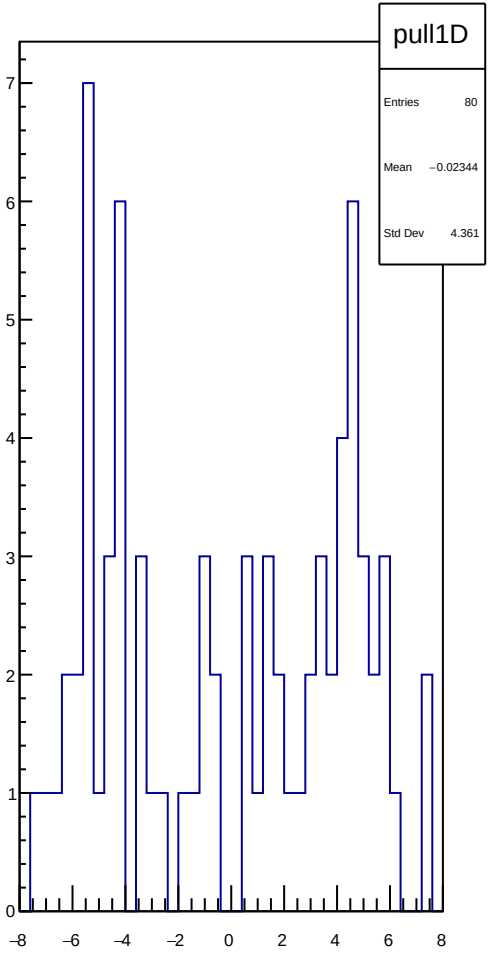

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 237.4 / 79
p0 39.35 ± 1.078
pull
Entries 80
Mean 142.2
Std Dev 95.79

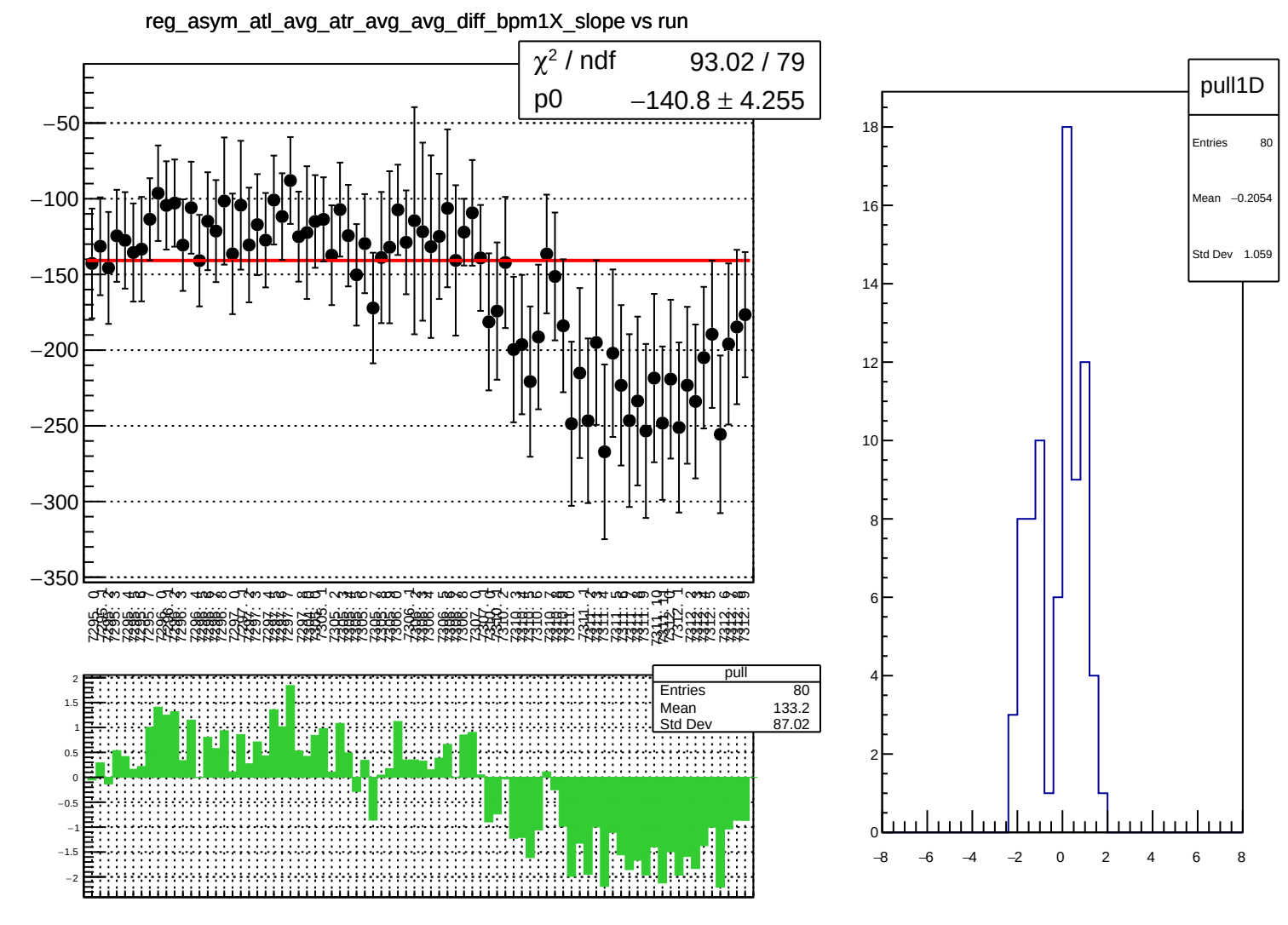

pull1D
Entries 80
Mean 0.2608
Std Dev 1.703

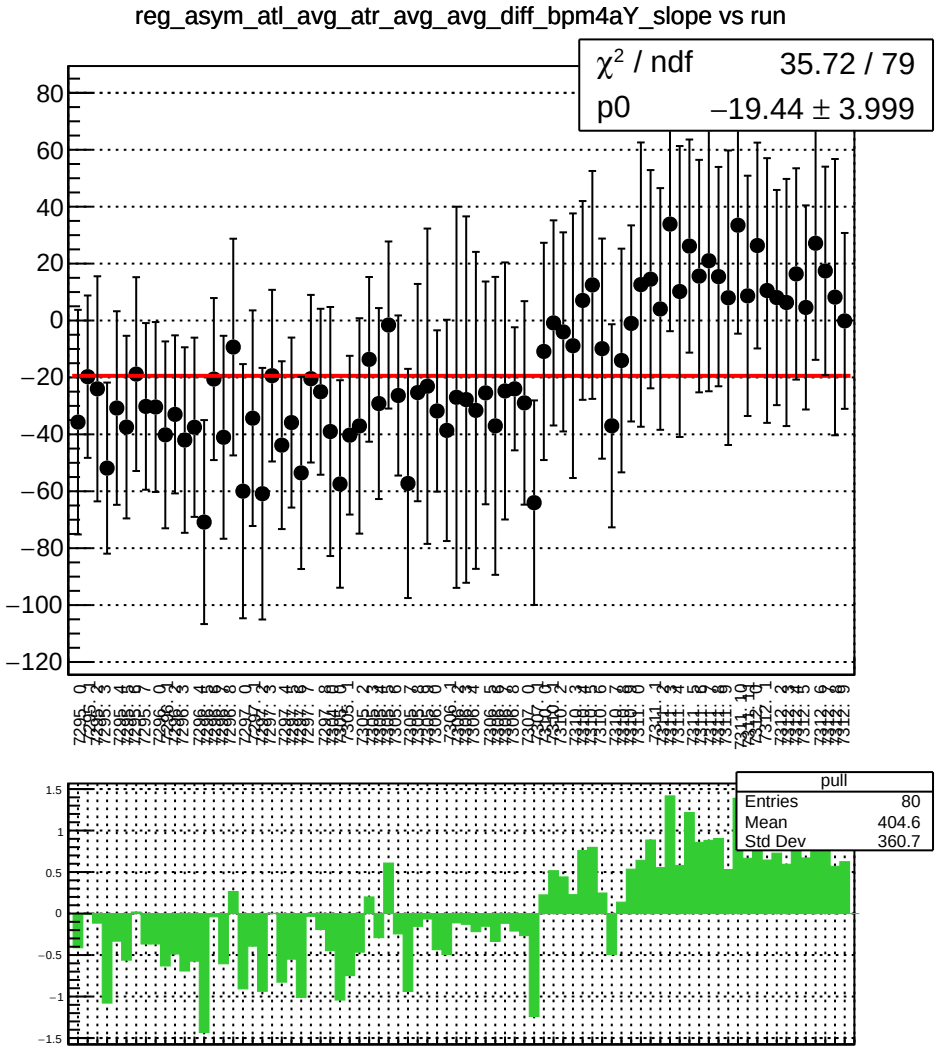

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 132.4 / 79
p0 15.32 ± 1.092
pull
Entries 80
Mean 379
Std Dev 334.6

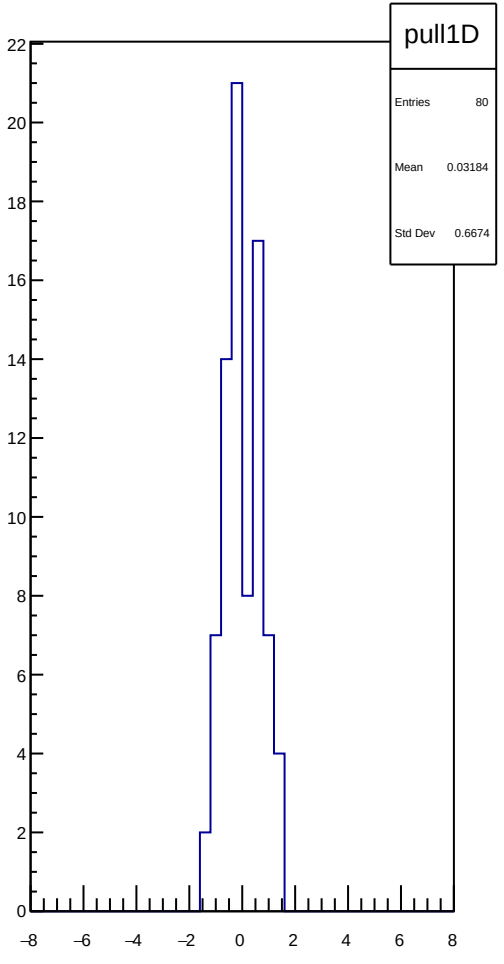

pull1D
Entries 80
Mean −0.04801
Std Dev 1.286

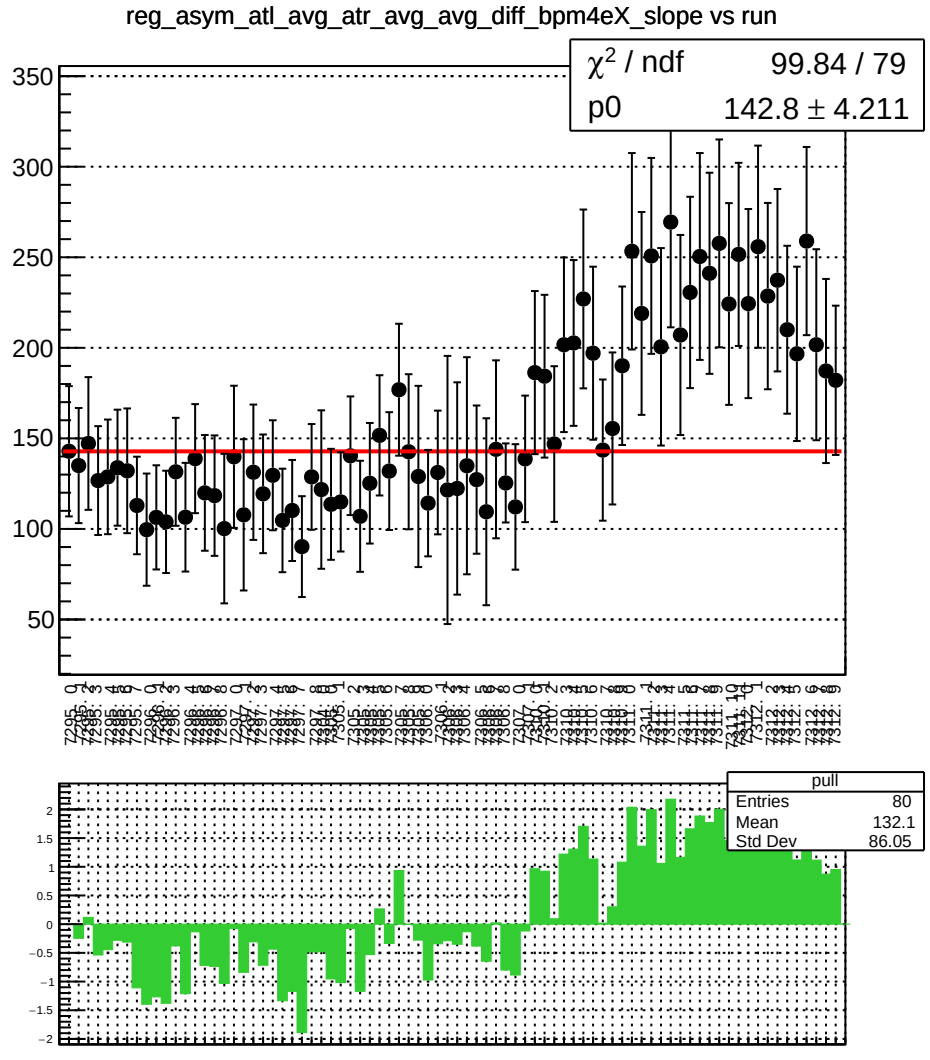

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1806 / 79
p0 −6.84 ± 0.0462
pull
Entries 80
Mean 280.4
Std Dev 236

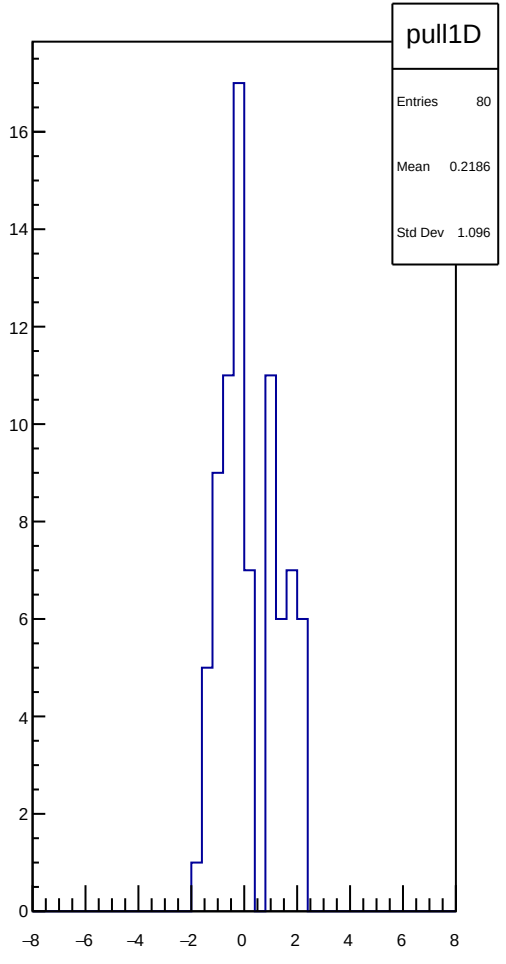

pull1D
Entries 80
Mean −0.02344
Std Dev 4.361

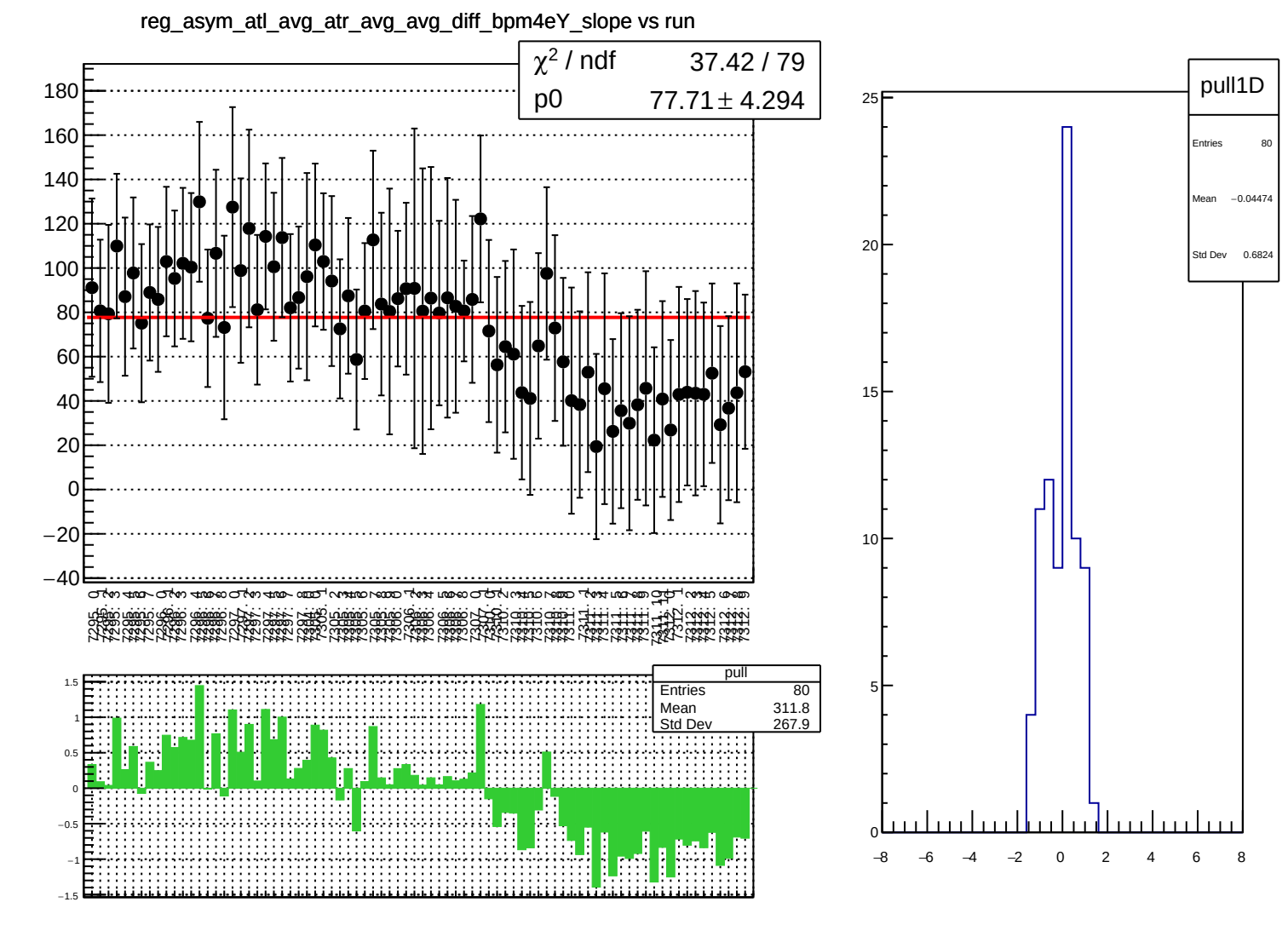

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 93.02 / 79
p0 −140.8 ± 4.255
pull
Entries 80
Mean 133.2
Std Dev 87.02
pull1D
Entries 80
Mean −0.2054
Std Dev 1.059

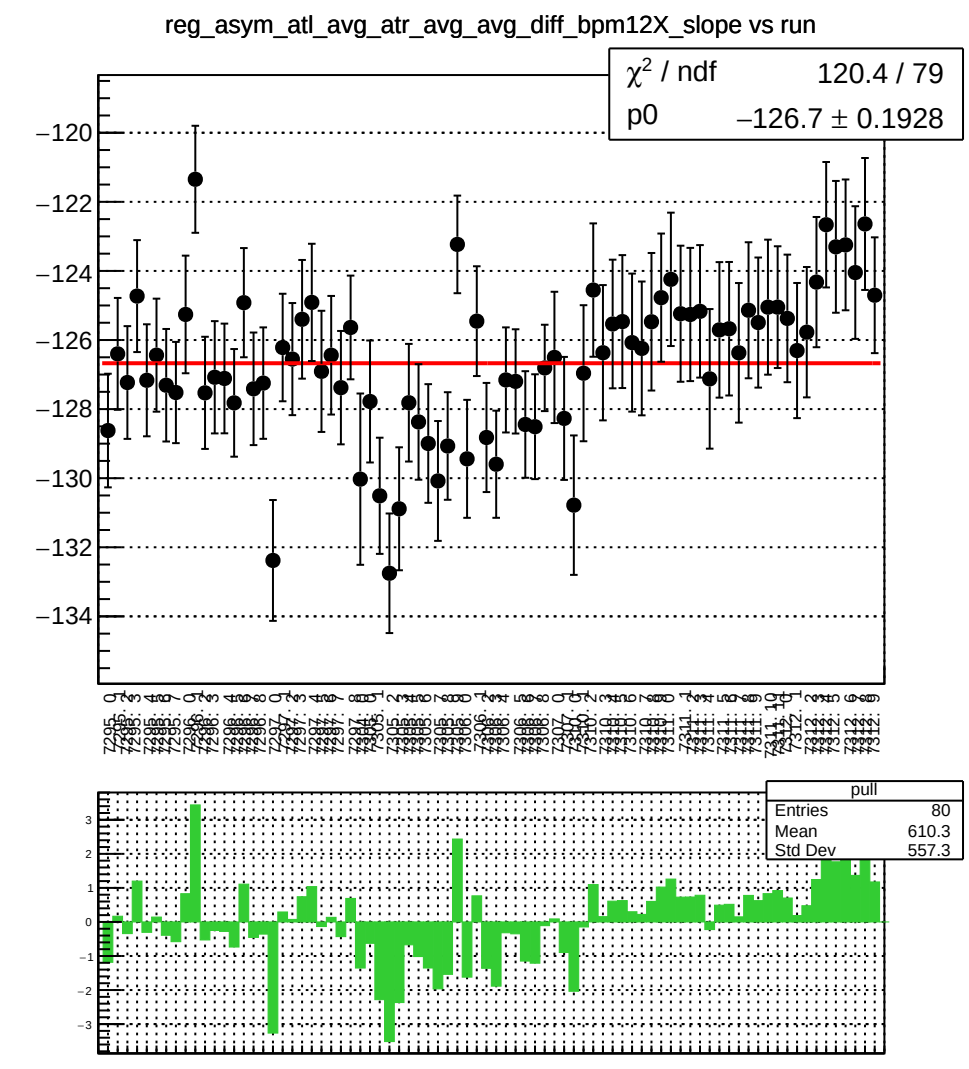

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 79
p0 −19.44 ± 3.999
pull
Entries 80
Mean 404.6
Std Dev 360.7

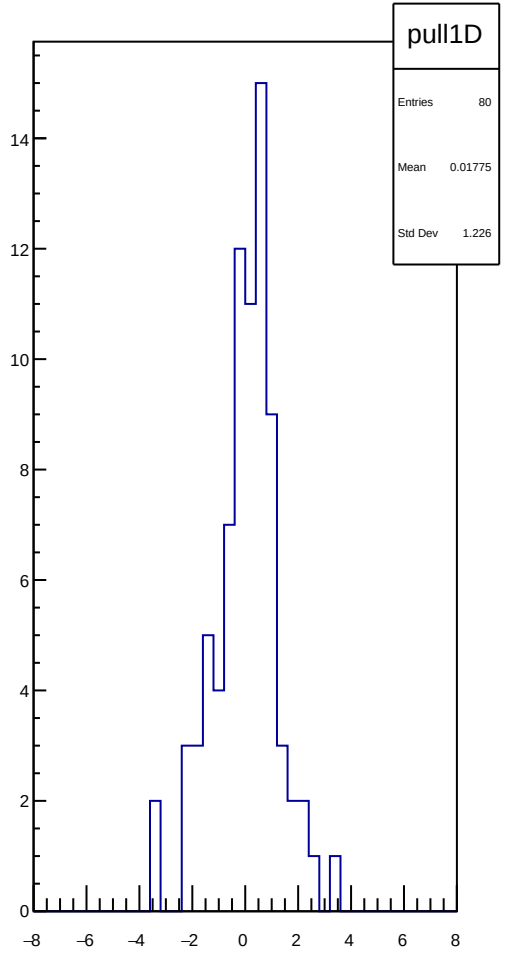

pull1D
Entries 80
Mean 0.03184
Std Dev 0.6674

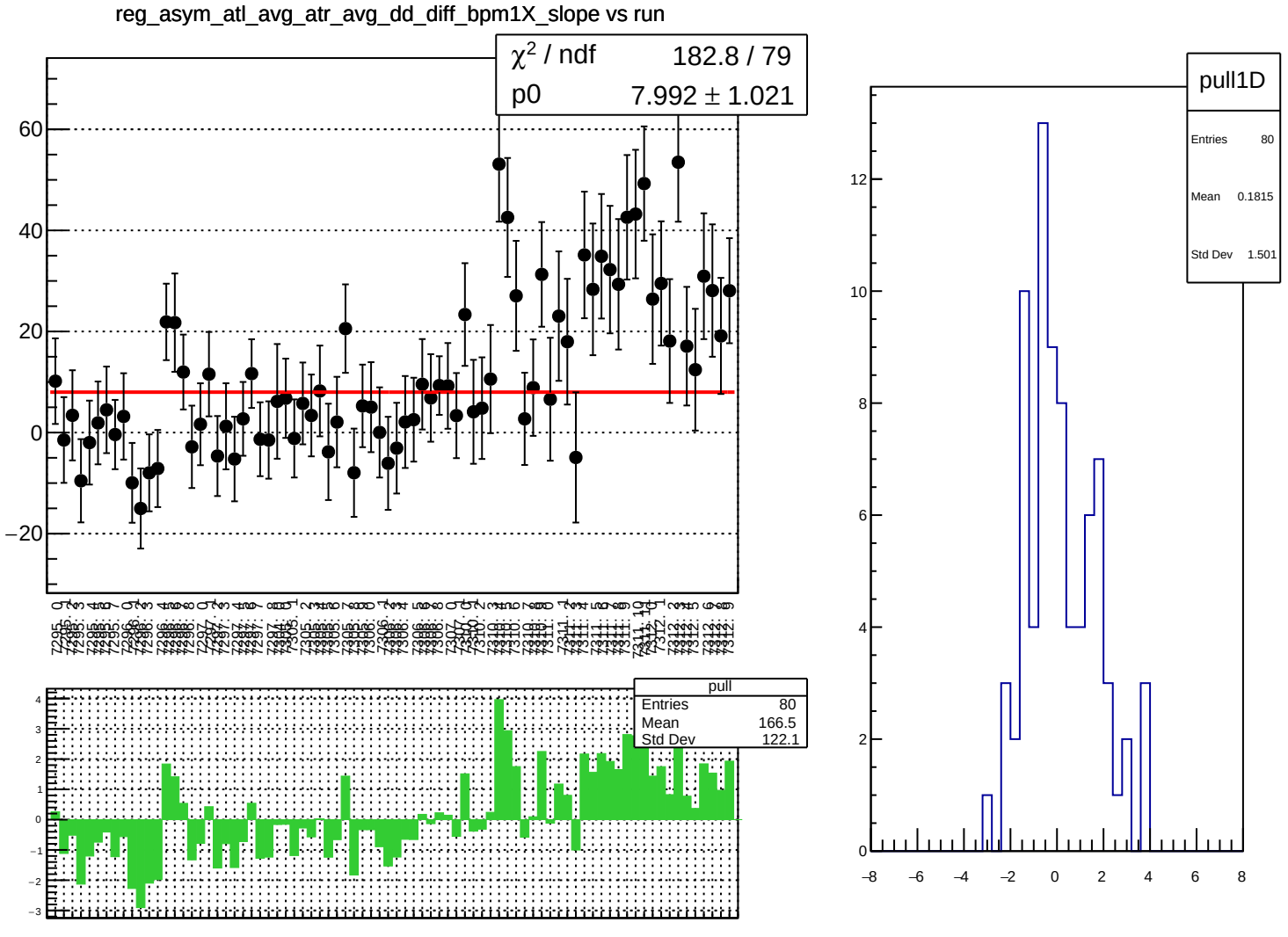

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.84 / 79
p0 142.8 ± 4.211
pull
Entries 80
Mean 132.1
Std Dev 86.05

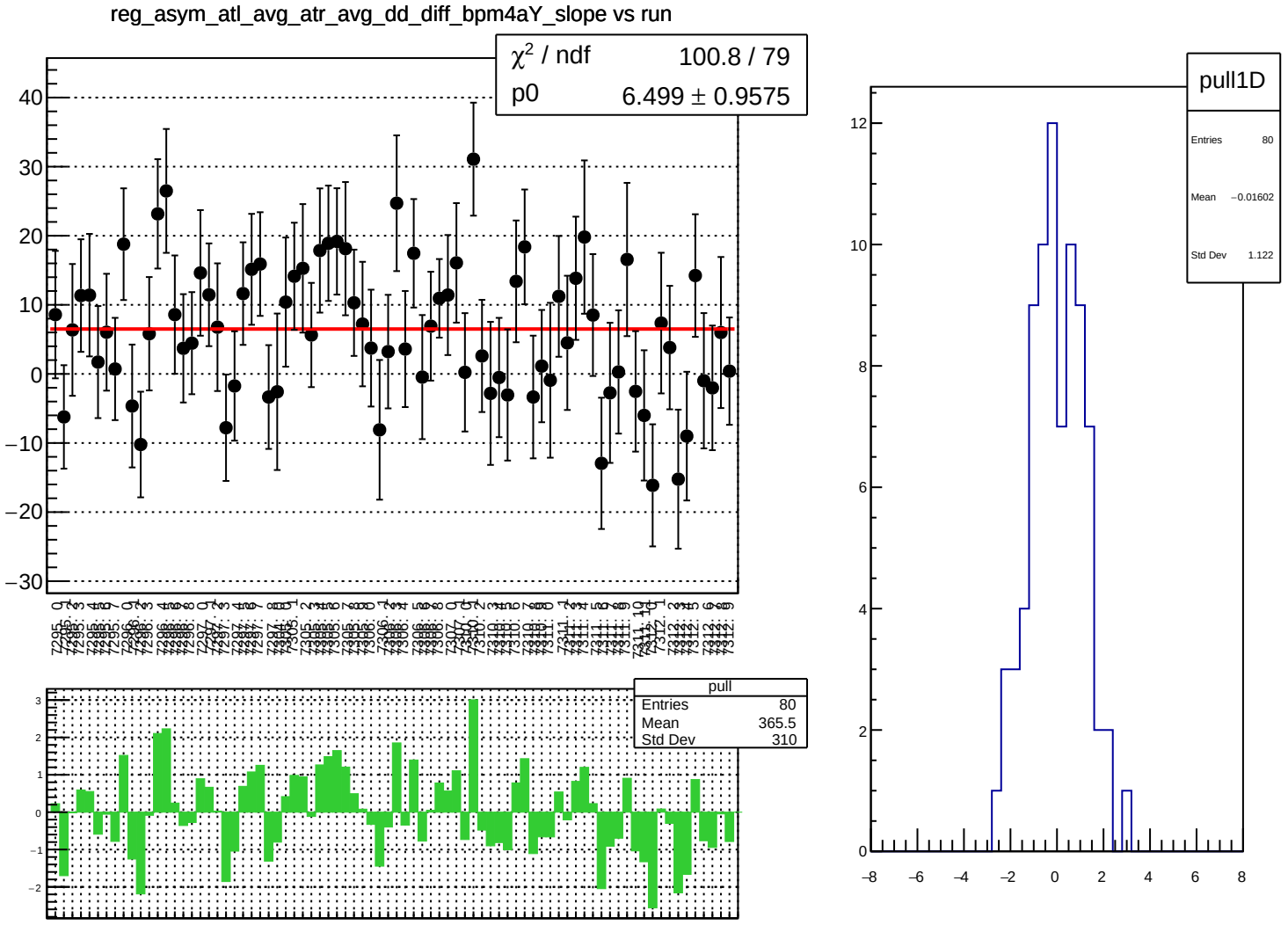

pull1D
Entries 80
Mean 0.2186
Std Dev 1.096

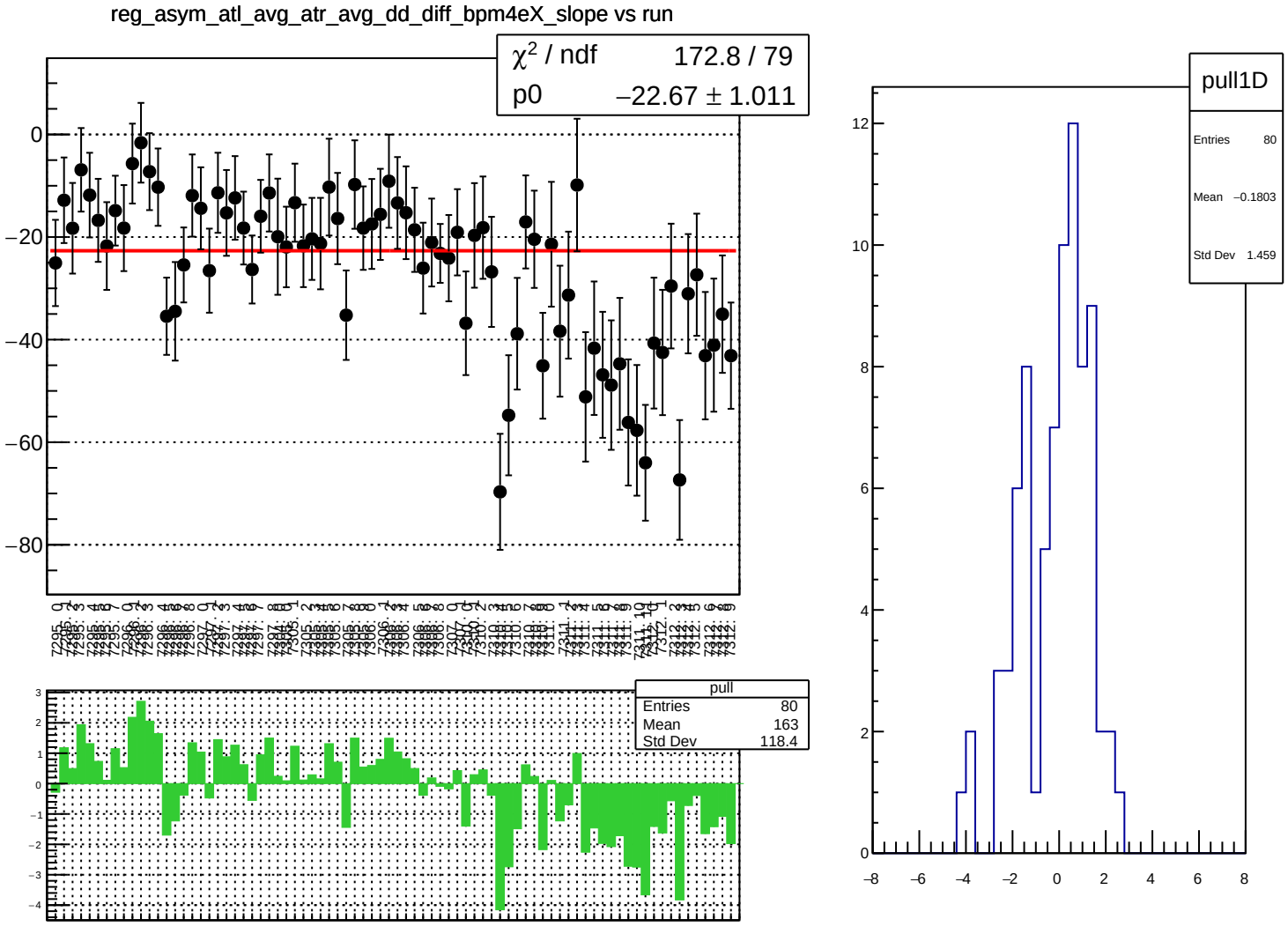

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.42 / 79
p0 77.71 ± 4.294
pull
Entries 80
Mean 311.8
Std Dev 267.9
pull1D
Entries 80
Mean −0.04474
Std Dev 0.6824

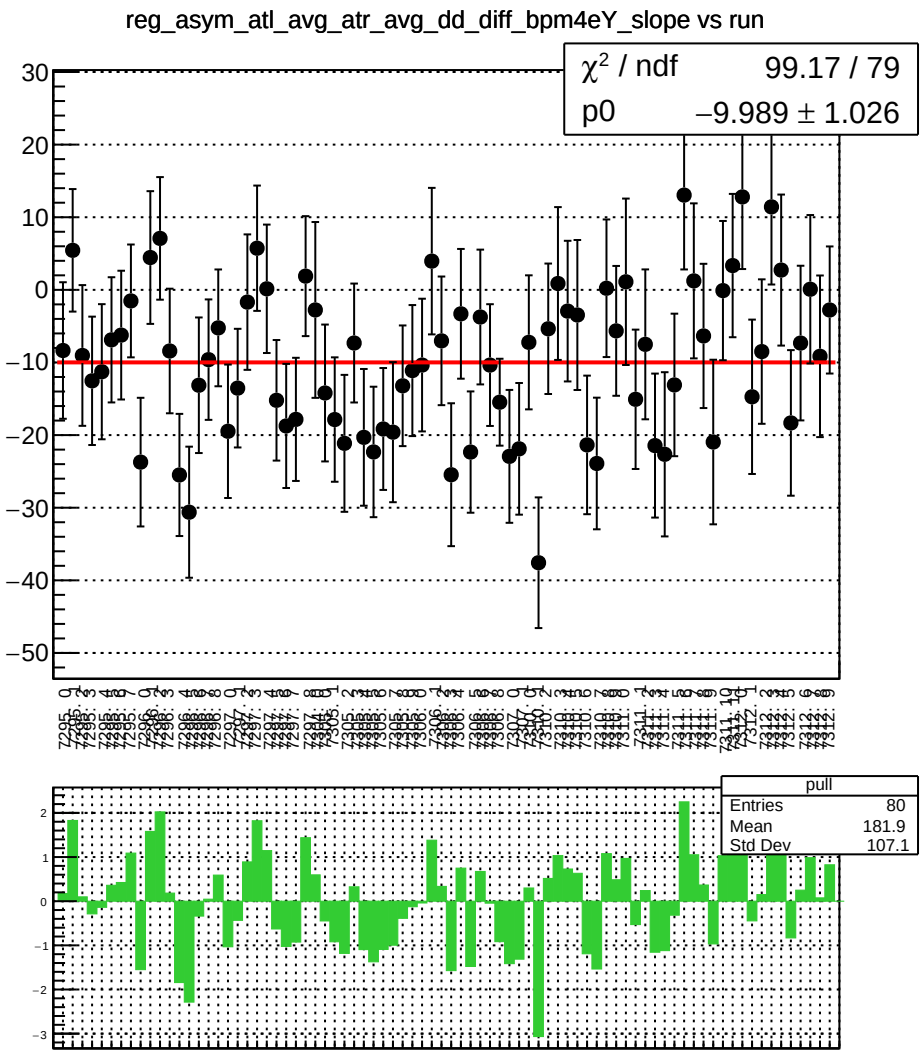

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 120.4 / 79
p0 −126.7 ± 0.1928
pull
Entries 80
Mean 610.3
Std Dev 557.3

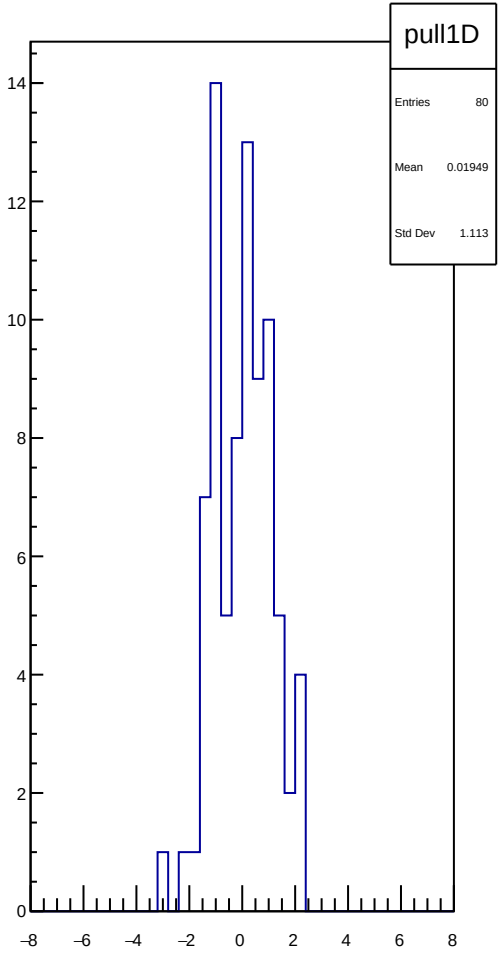

pull1D
Entries 80
Mean 0.01775
Std Dev 1.226

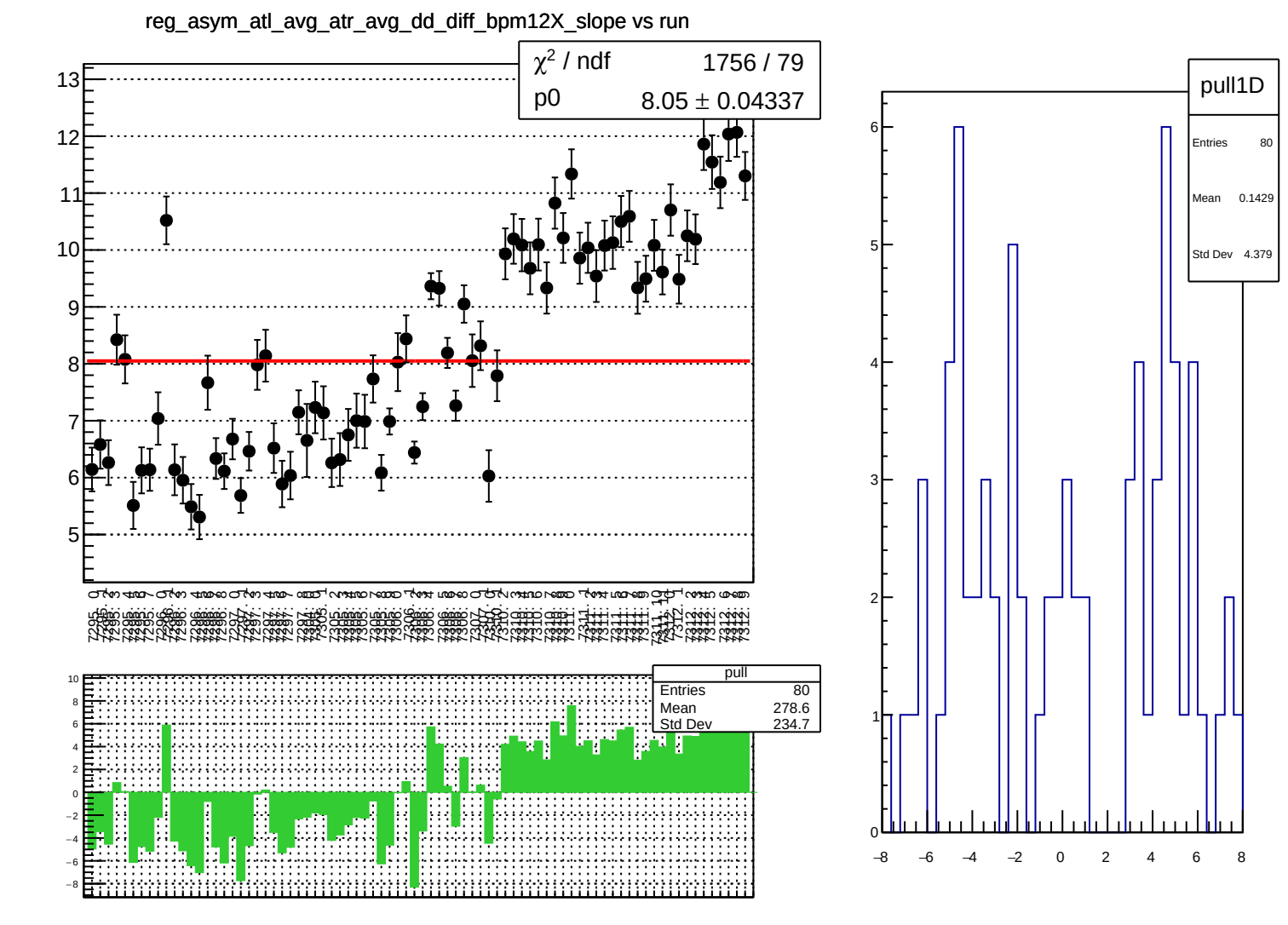

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 182.8 / 79
p0 7.992 ± 1.021
pull
Entries 80
Mean 166.5
Std Dev 122.1
pull1D
Entries 80
Mean 0.1815
Std Dev 1.501

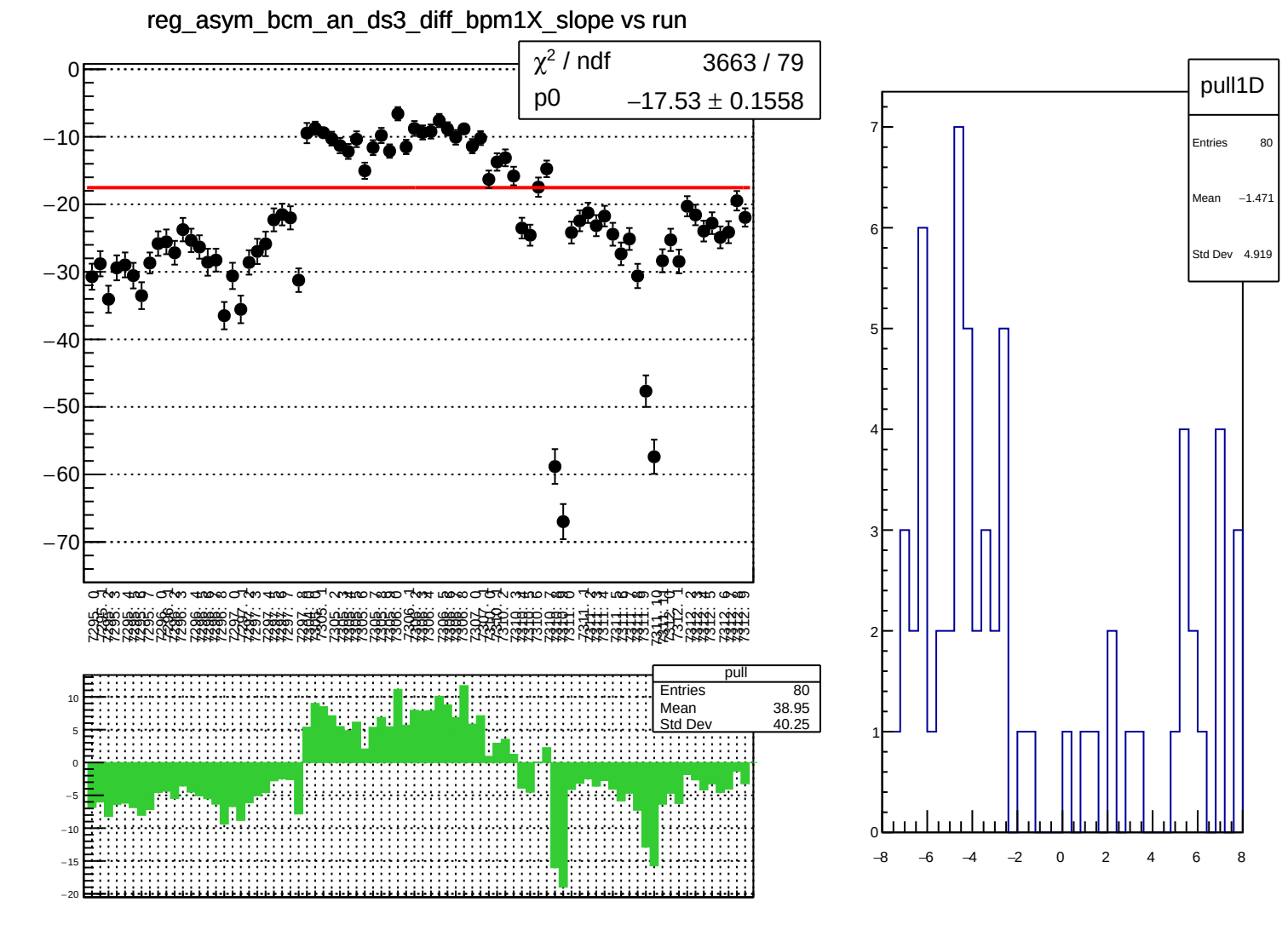

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 79
p0 6.499 ± 0.9575
pull
Entries 80
Mean 365.5
Std Dev 310
pull1D
Entries 80
Mean −0.01602
Std Dev 1.122

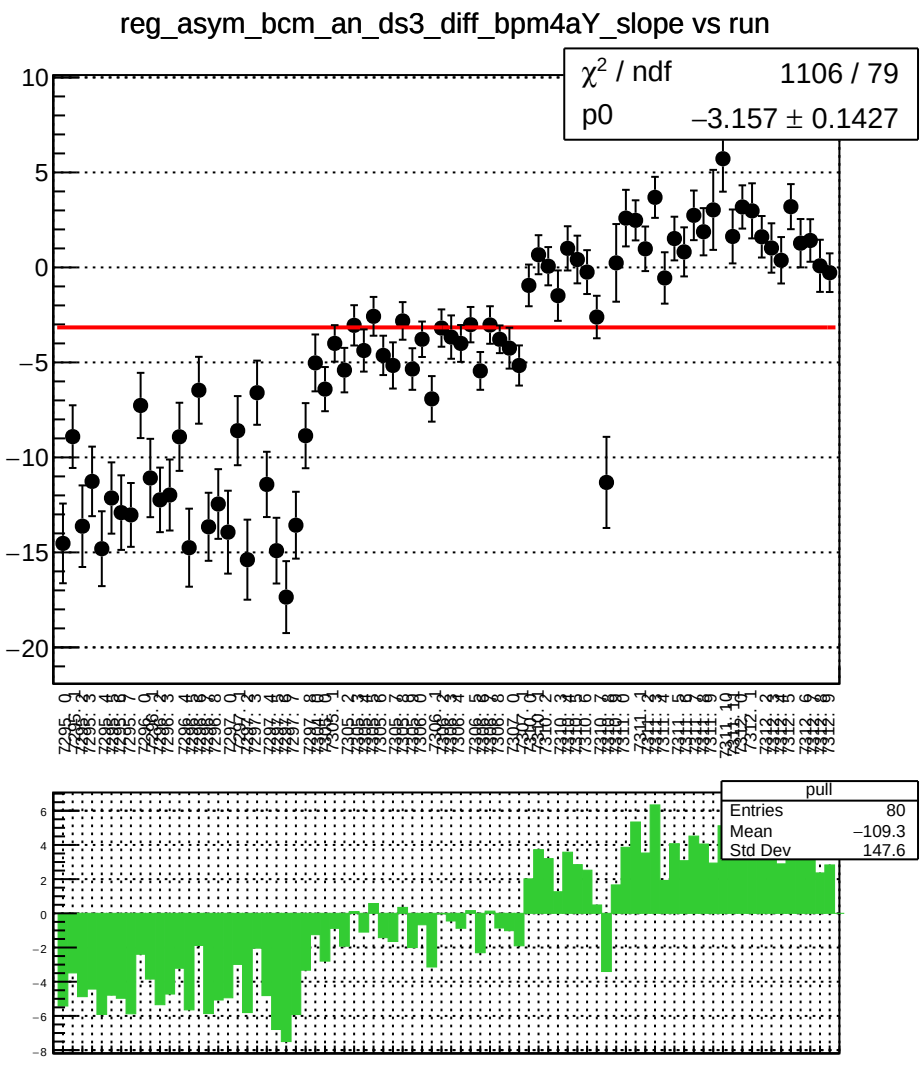

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 172.8 / 79
p0 −22.67 ± 1.011
pull
Entries 80
Mean 163
Std Dev 118.4
pull1D
Entries 80
Mean −0.1803
Std Dev 1.459

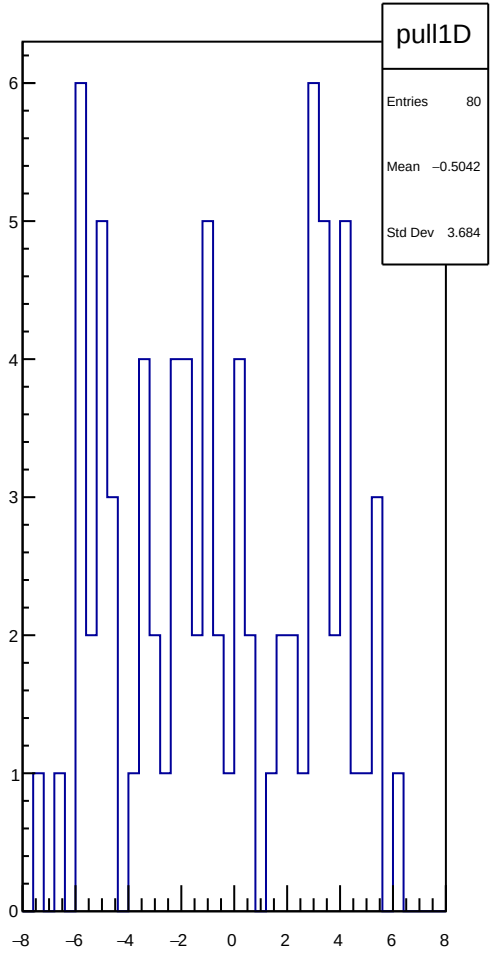

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.17 / 79
p0 −9.989 ± 1.026
pull
Entries 80
Mean 181.9
Std Dev 107.1

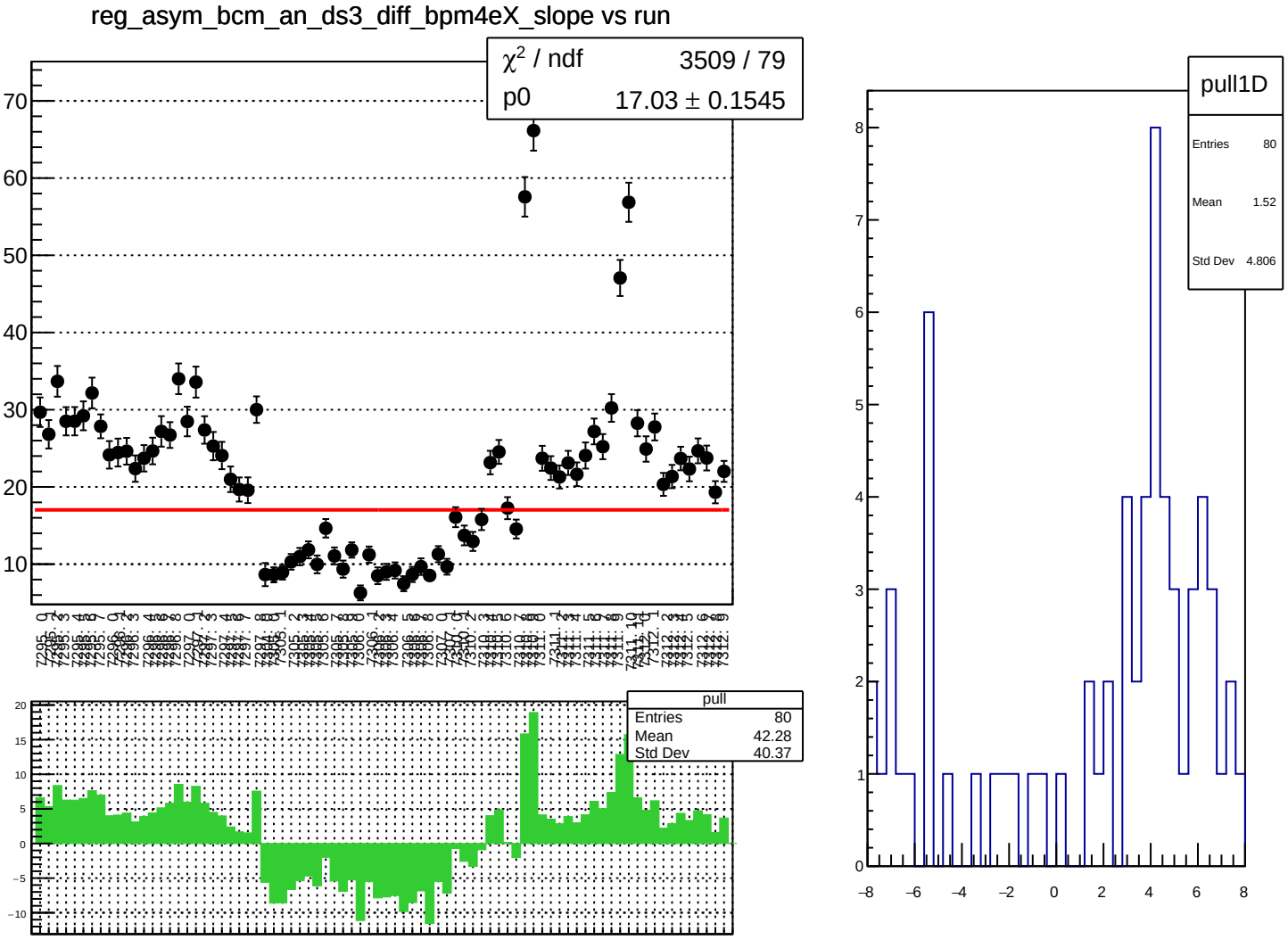

pull1D
Entries 80
Mean 0.01949
Std Dev 1.113

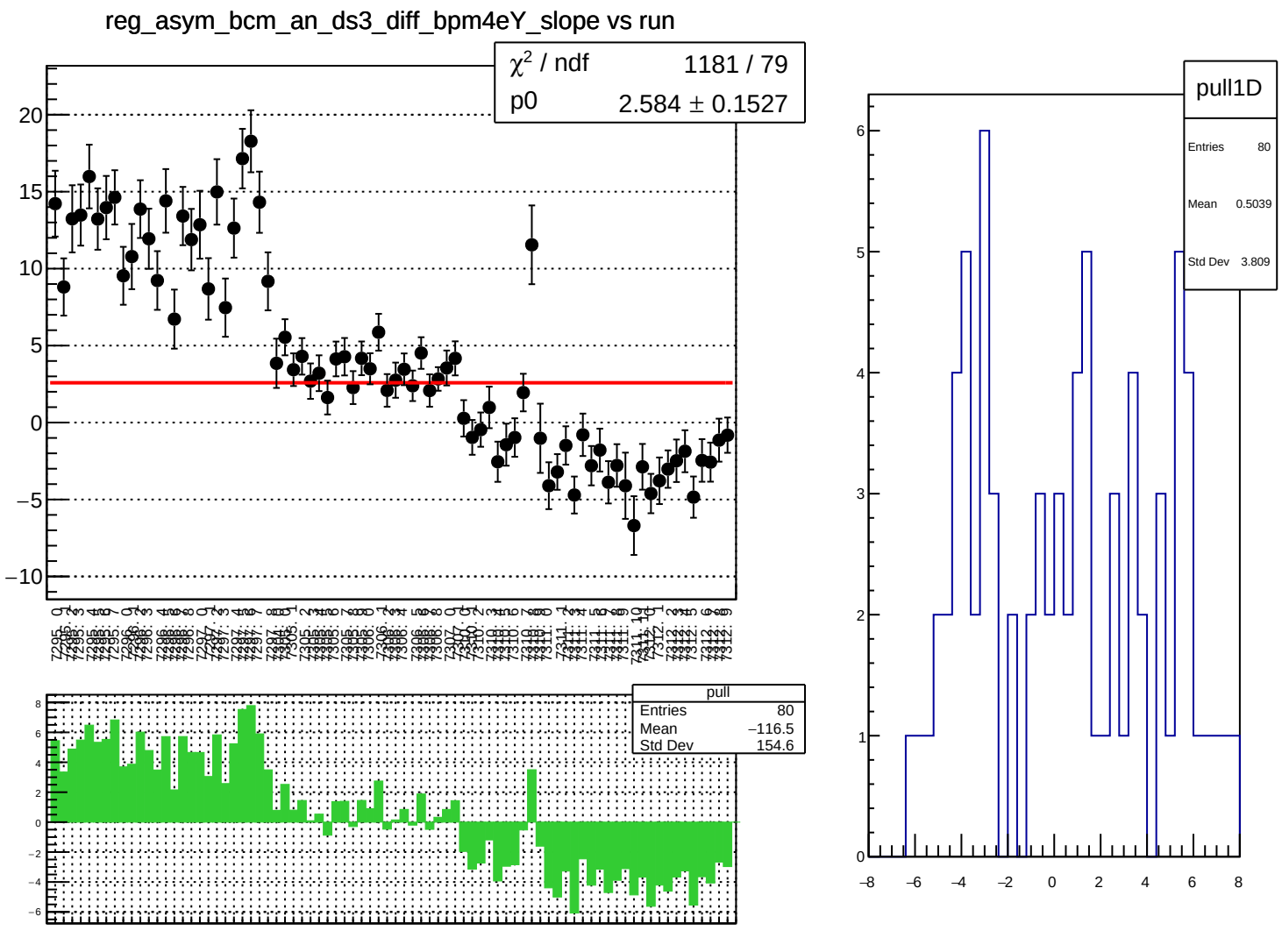

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1756 / 79
p0 8.05 ± 0.04337
pull
Entries 80
Mean 278.6
Std Dev 234.7
pull1D
Entries 80
Mean 0.1429
Std Dev 4.379

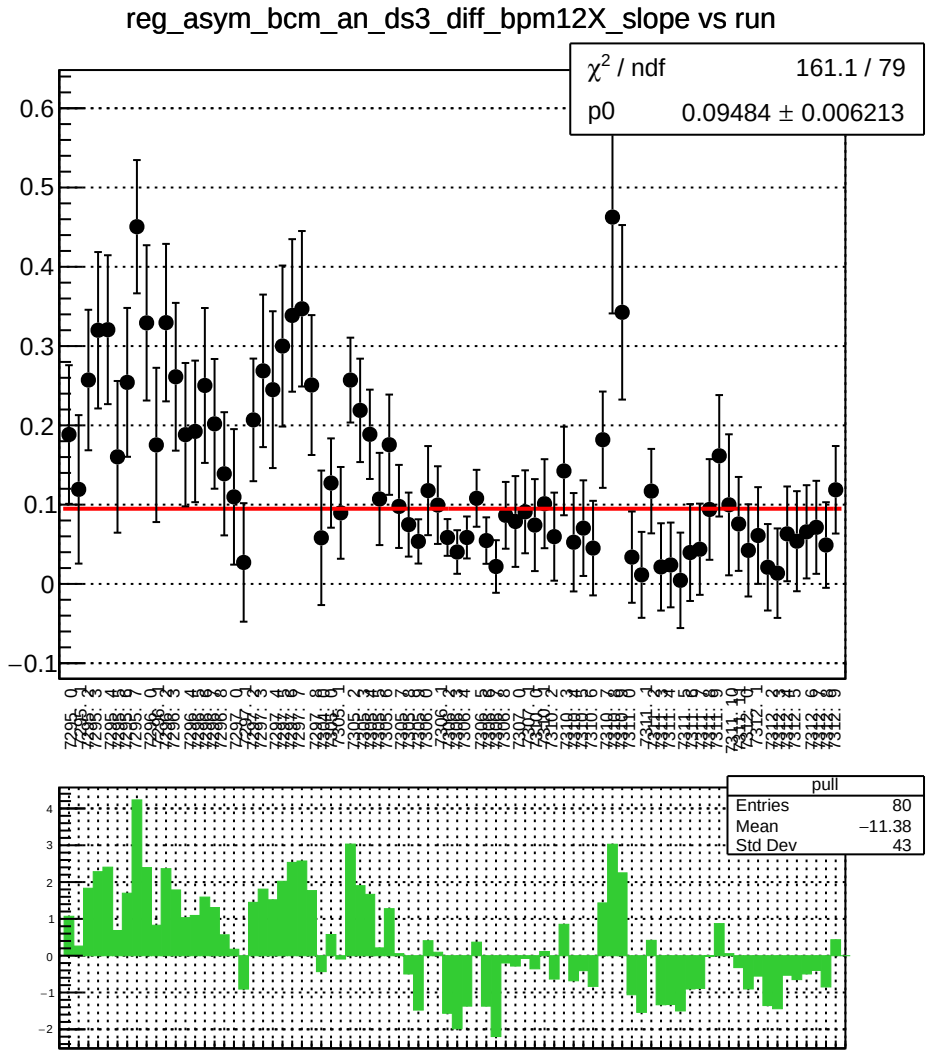

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 3663 / 79
p0 −17.53 ± 0.1558
pull
Entries 80
Mean 38.95
Std Dev 40.25
pull1D
Entries 80
Mean −1.471
Std Dev 4.919

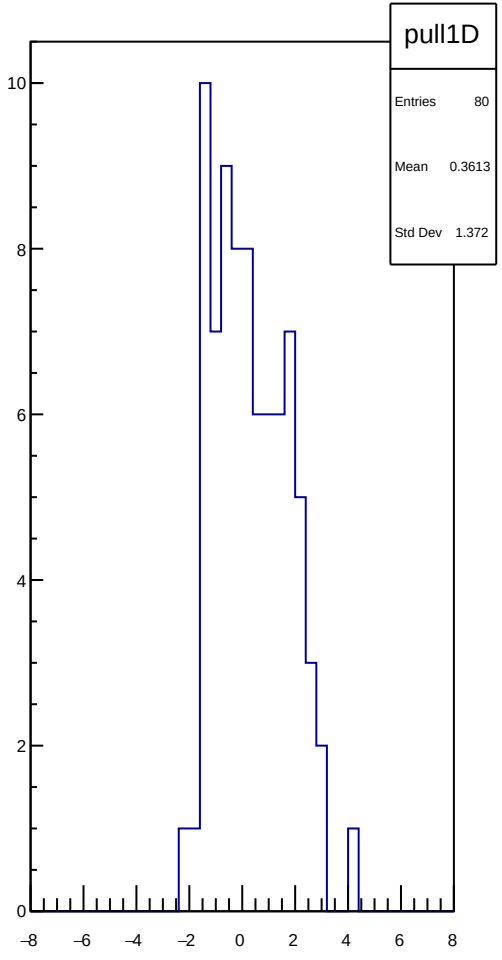

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.157 ± 0.1427
pull
Entries 80
Mean −109.3
Std Dev 147.6

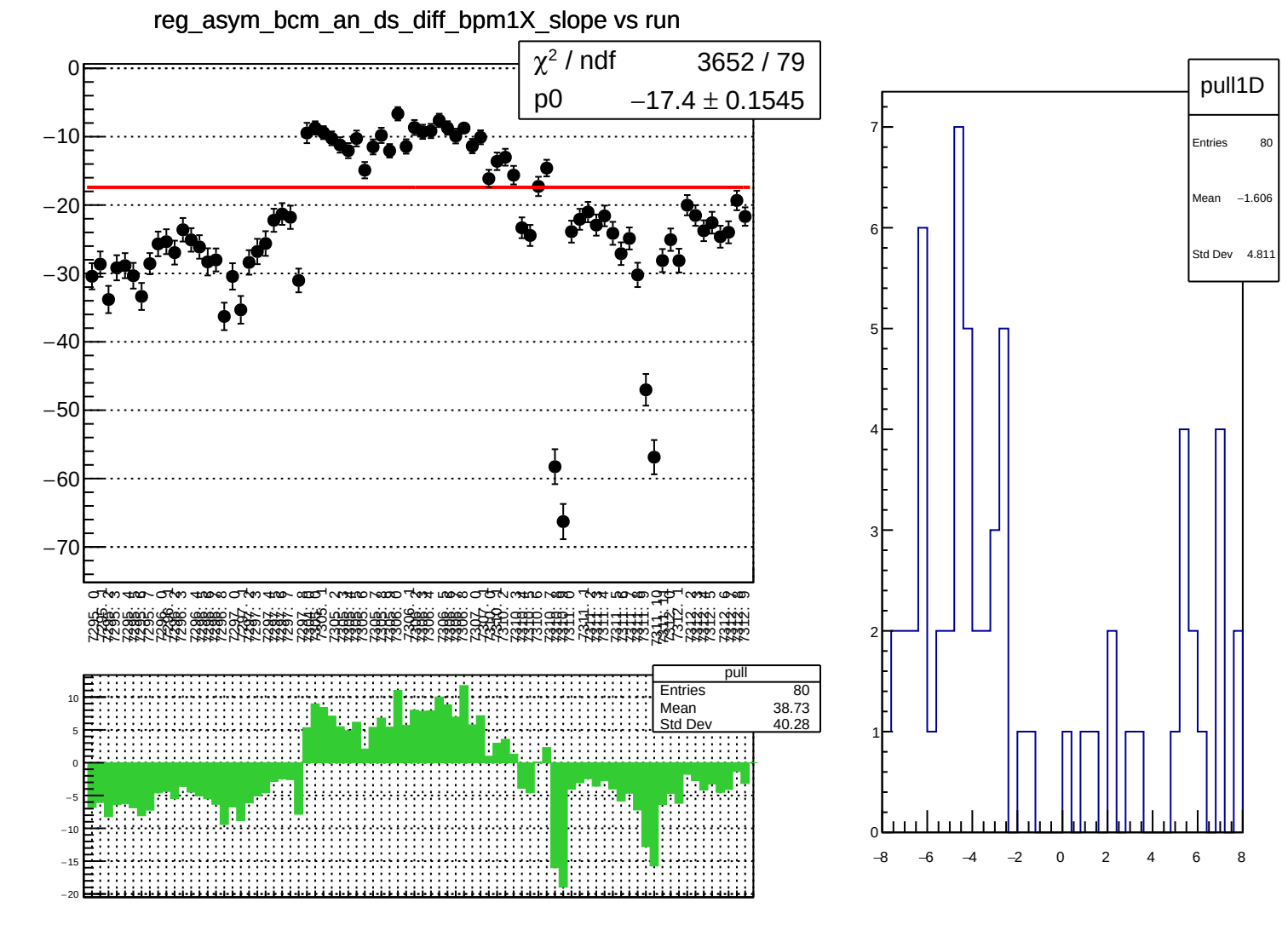

pull1D
Entries 80
Mean −0.5042
Std Dev 3.684

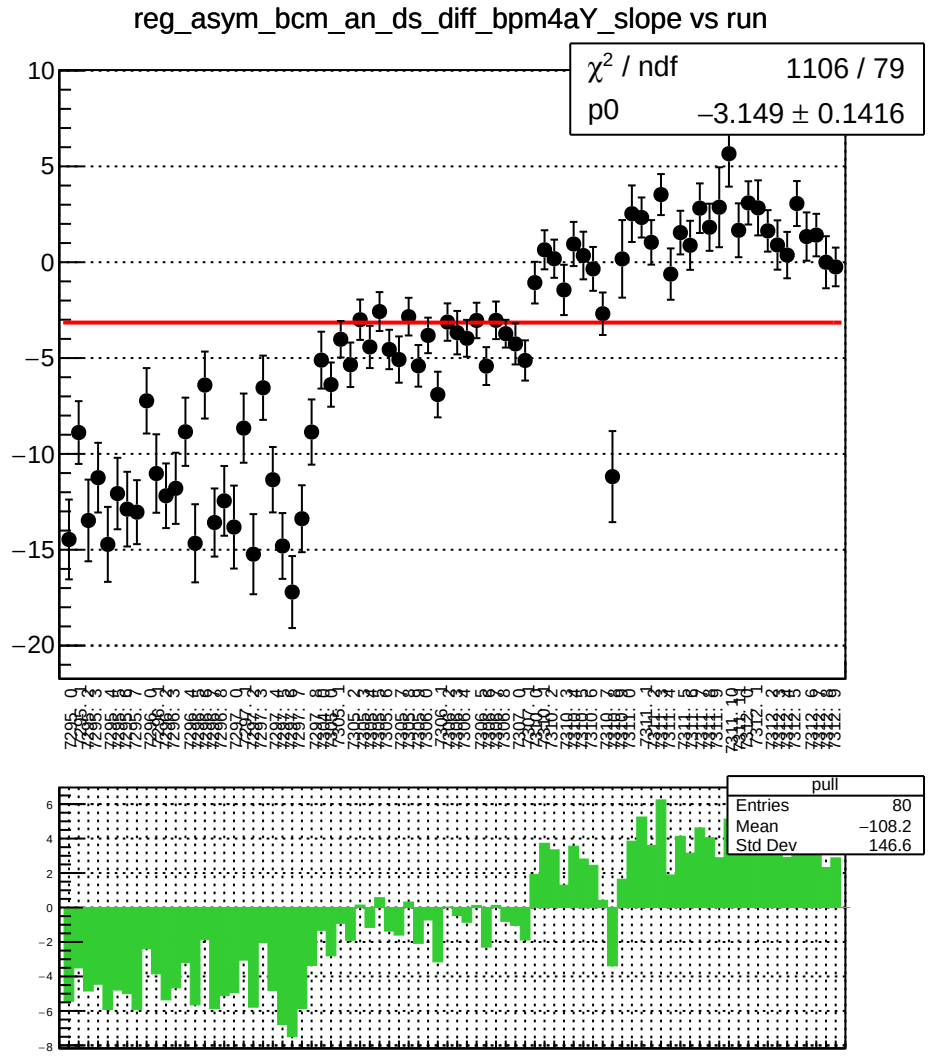

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 3509 / 79
p0 17.03 ± 0.1545
pull
Entries 80
Mean 42.28
Std Dev 40.37
pull1D
Entries 80
Mean 1.52
Std Dev 4.806

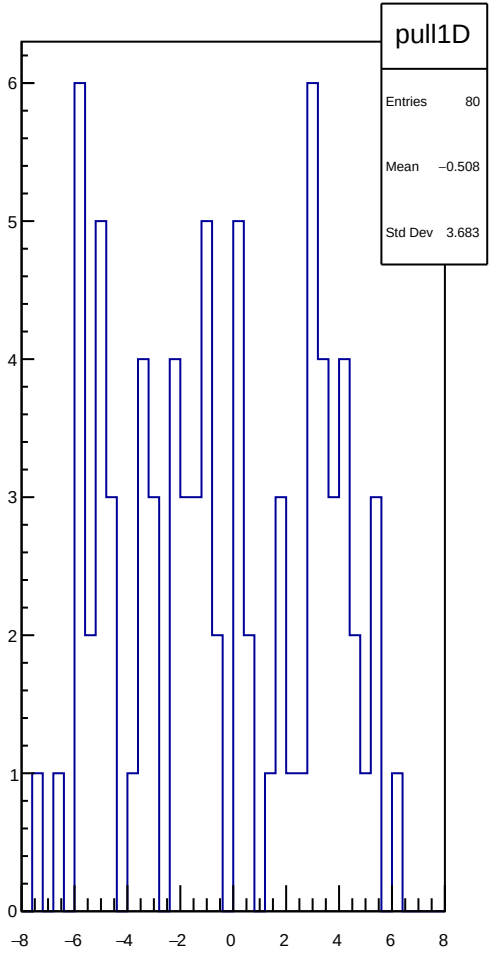

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 1181 / 79
p0 2.584 ± 0.1527
pull
Entries 80
Mean −116.5
Std Dev 154.6
pull1D
Entries 80
Mean 0.5039
Std Dev 3.809

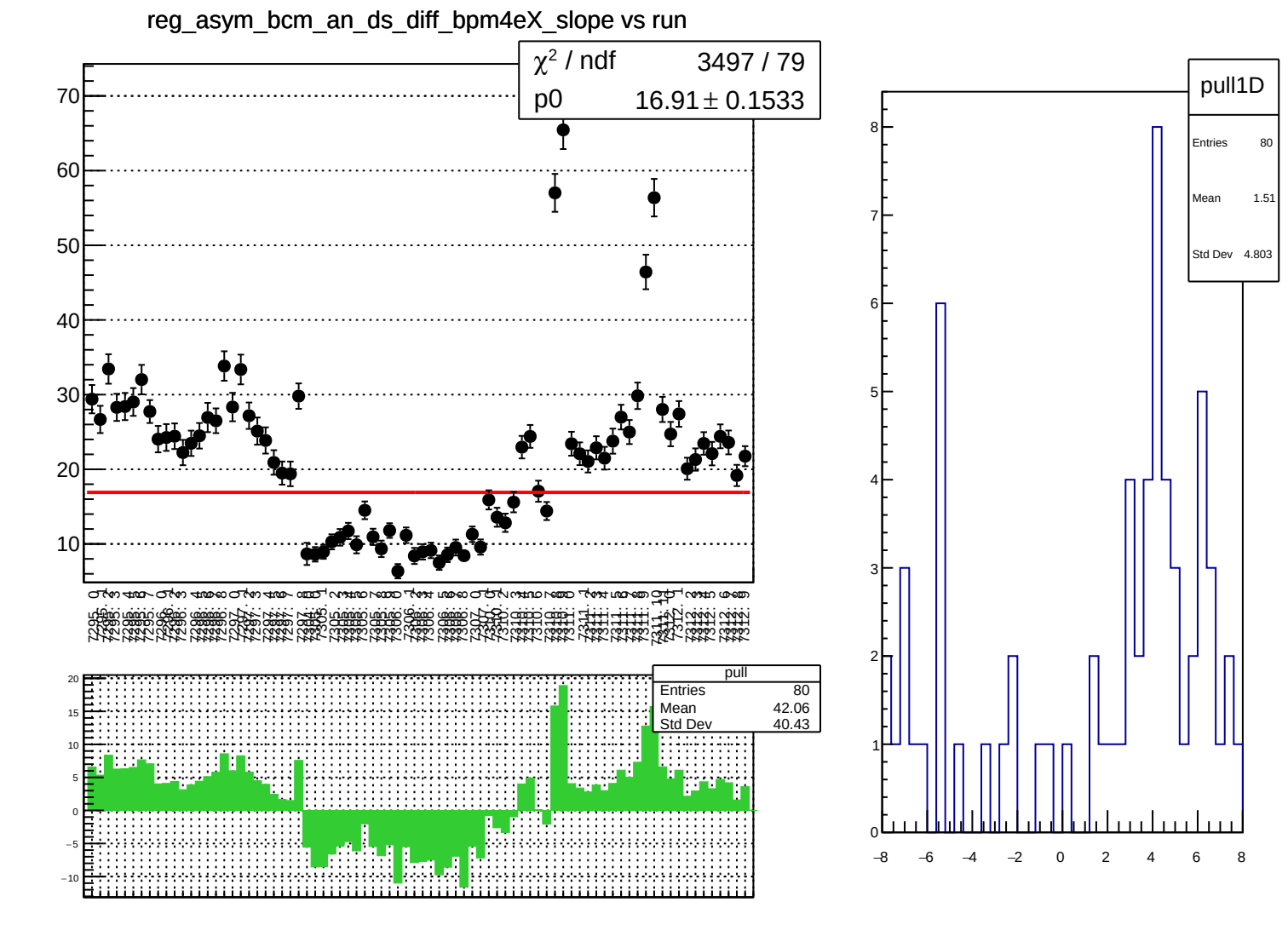

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 161.1 / 79
p0 0.09484 ± 0.006213
pull
Entries 80
Mean −11.38
Std Dev 43

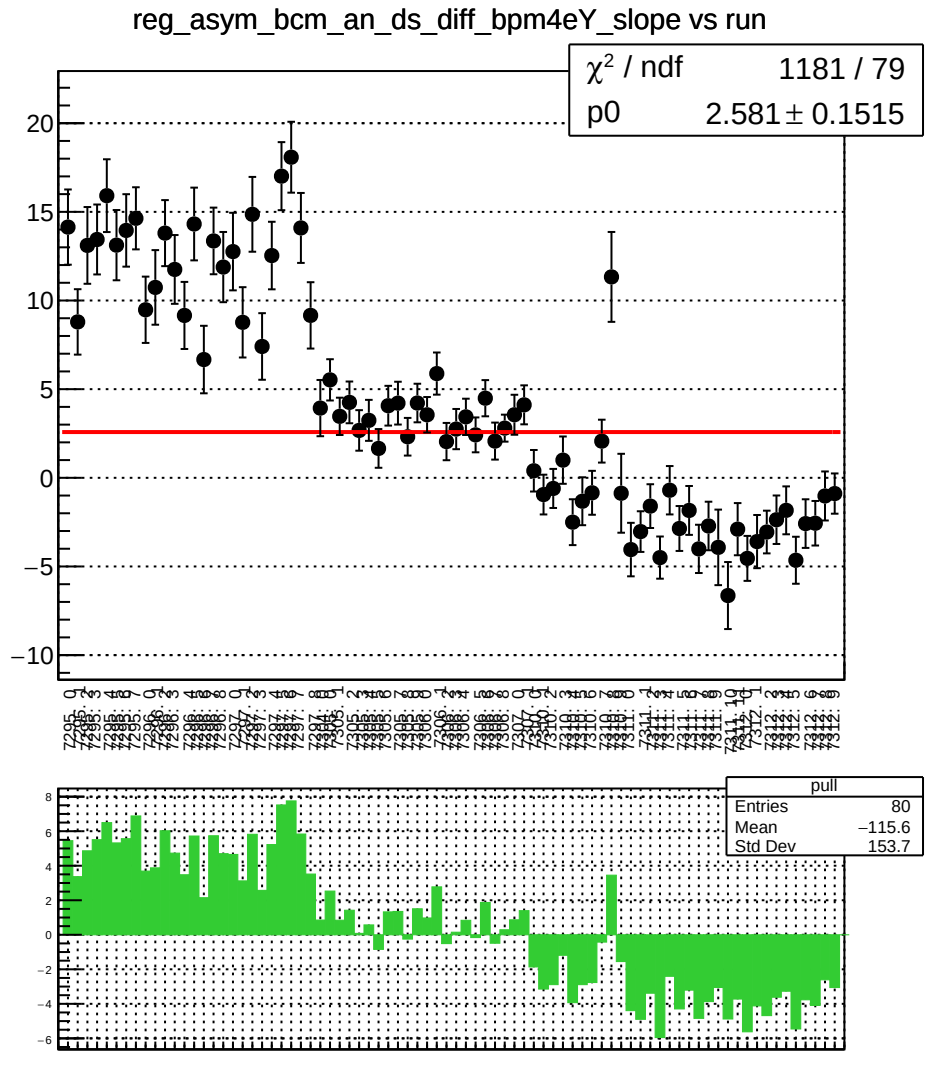

pull1D
Entries 80
Mean 0.3613
Std Dev 1.372

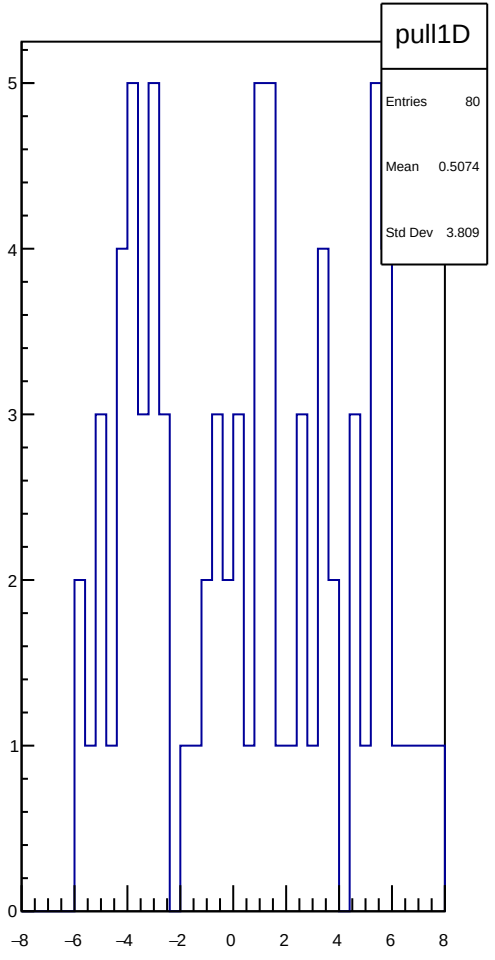

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 3652 / 79
p0 −17.4 ± 0.1545
pull
Entries 80
Mean 38.73
Std Dev 40.28
pull1D
Entries 80
Mean −1.606
Std Dev 4.811

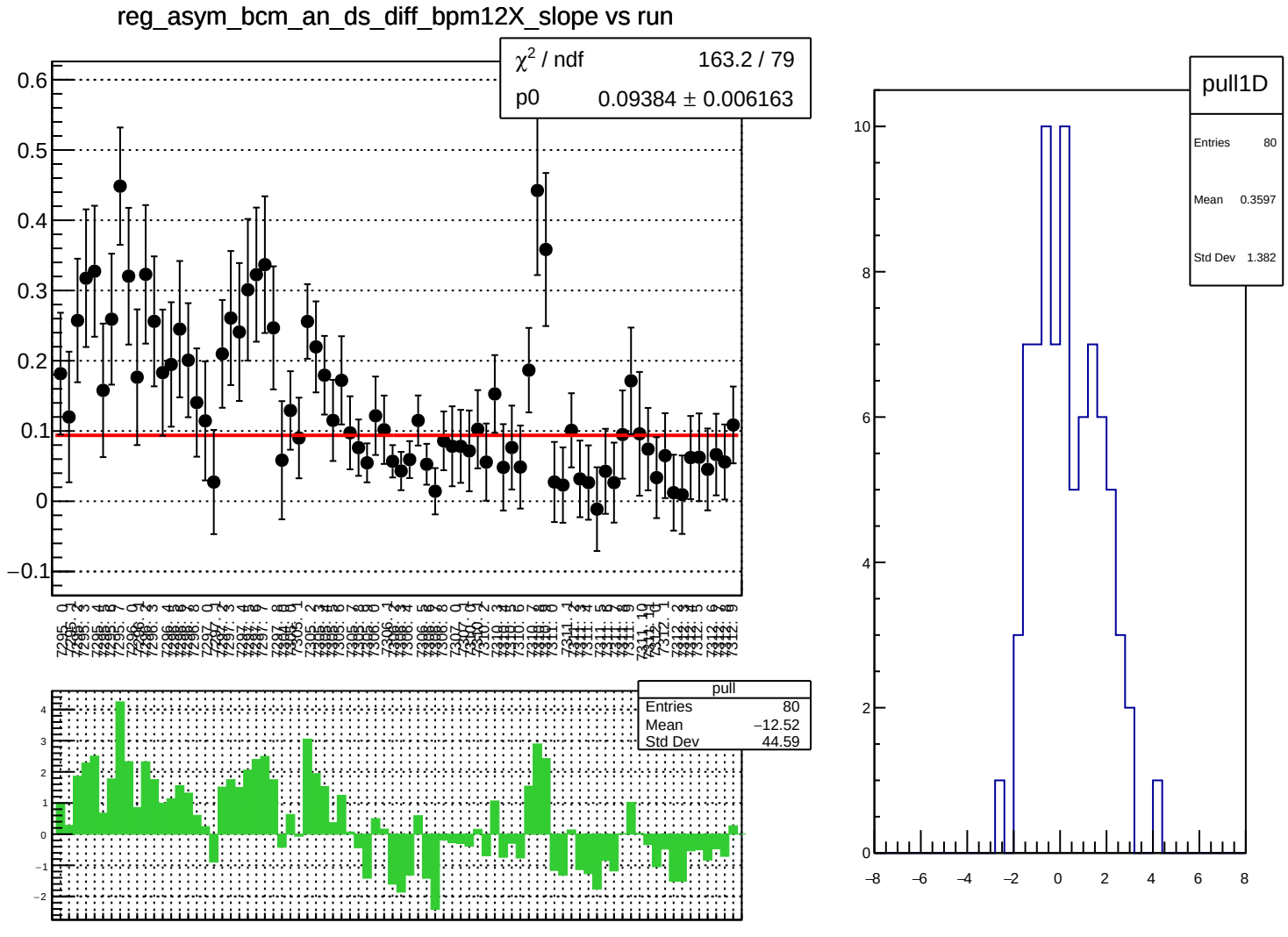

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 1106 / 79
p0 −3.149 ± 0.1416
pull
Entries 80
Mean −108.2
Std Dev 146.6

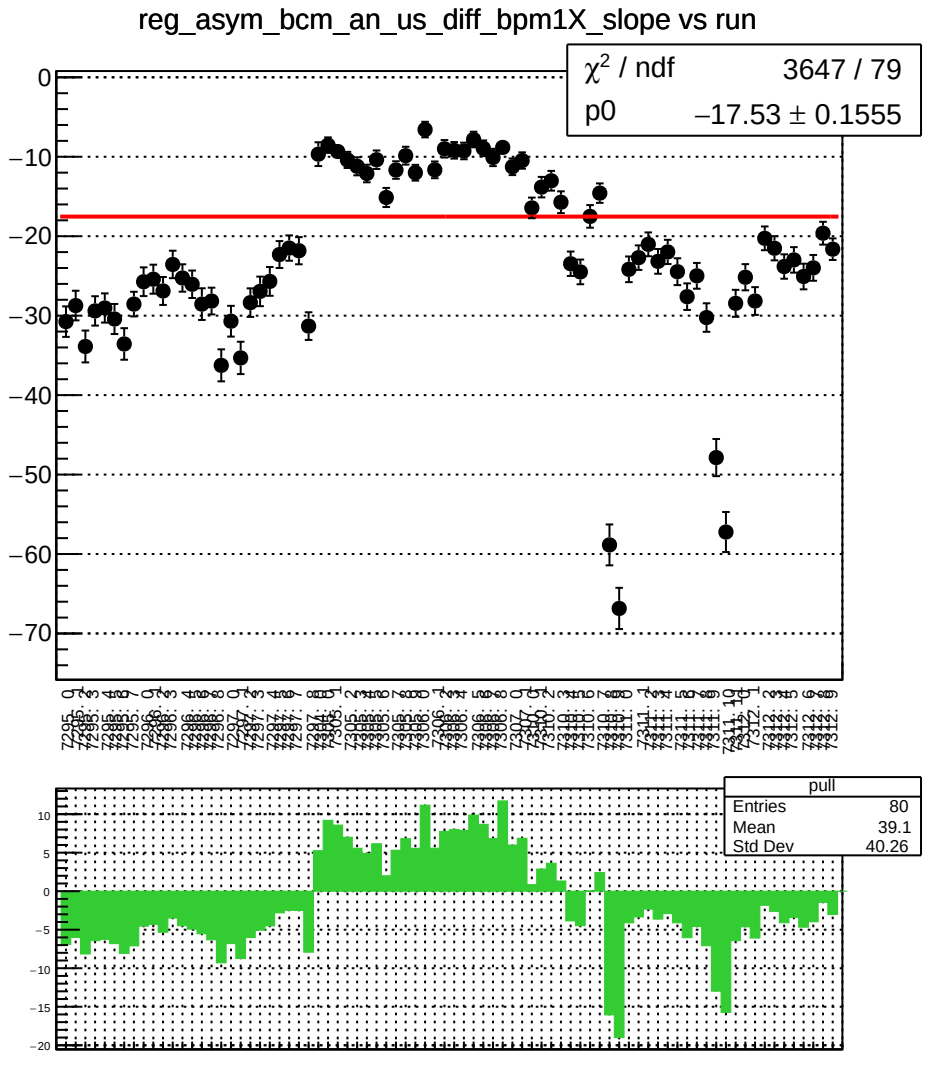

pull1D
Entries 80
Mean −0.508
Std Dev 3.683

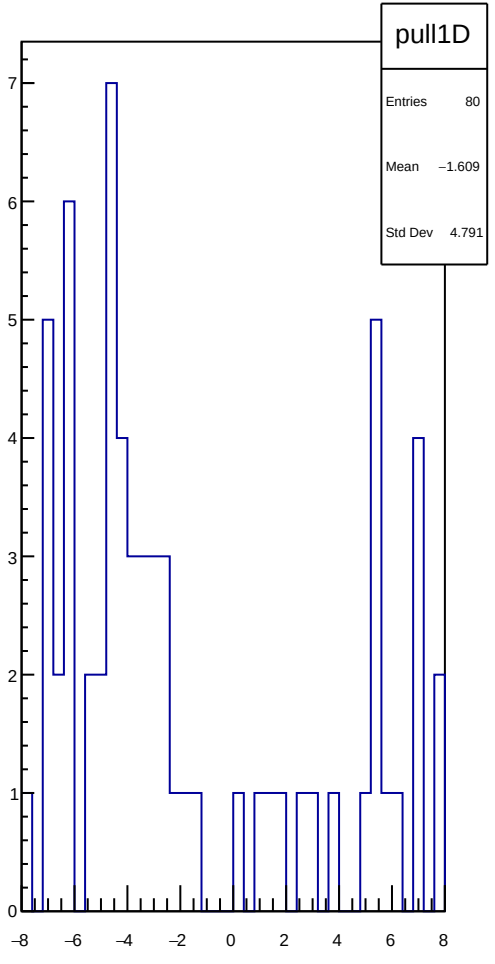

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 3497 / 79
p0 16.91 ± 0.1533
pull
Entries 80
Mean 42.06
Std Dev 40.43
pull1D
Entries 80
Mean 1.51
Std Dev 4.803

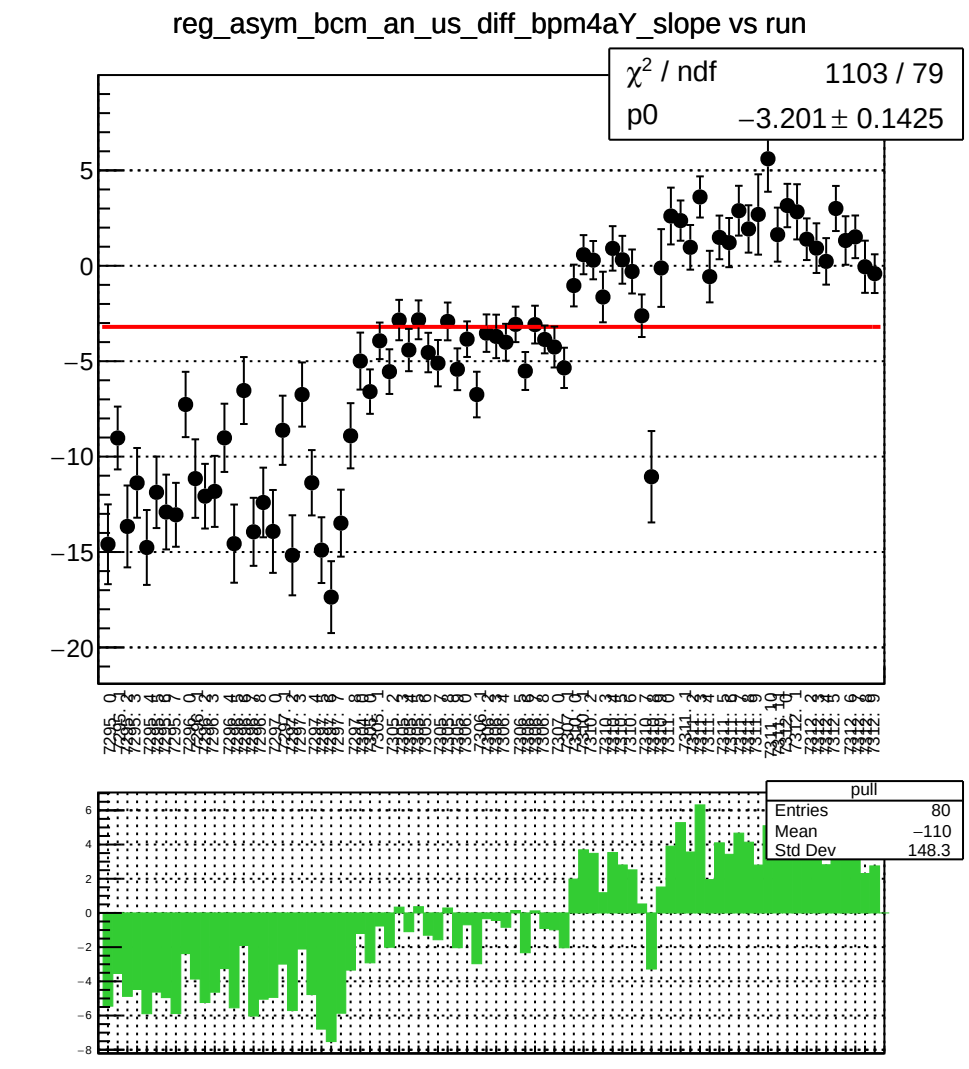

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 1181 / 79
p0 2.581 ± 0.1515
pull
Entries 80
Mean −115.6
Std Dev 153.7

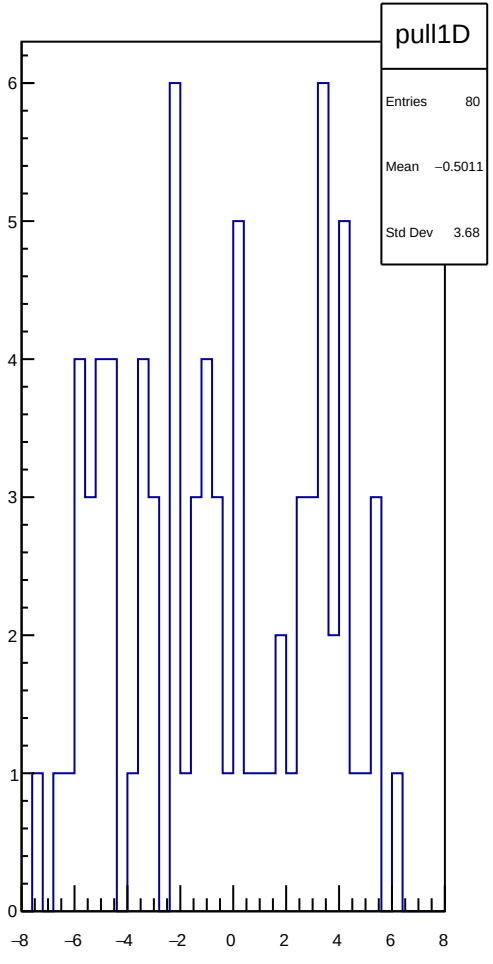

pull1D
Entries 80
Mean 0.5074
Std Dev 3.809

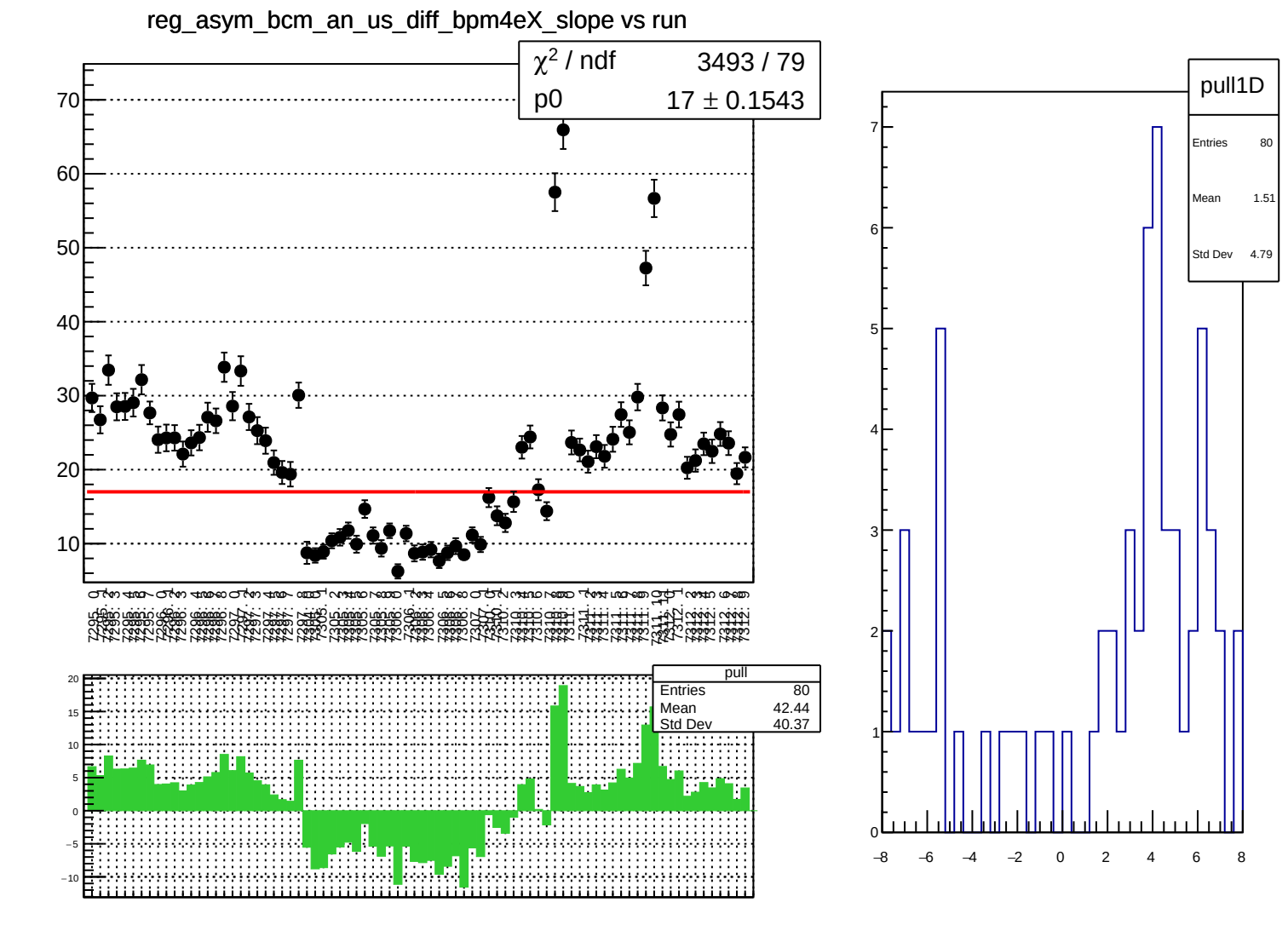

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 163.2 / 79
p0 0.09384 ± 0.006163
pull
Entries 80
Mean −12.52
Std Dev 44.59
pull1D
Entries 80
Mean 0.3597
Std Dev 1.382

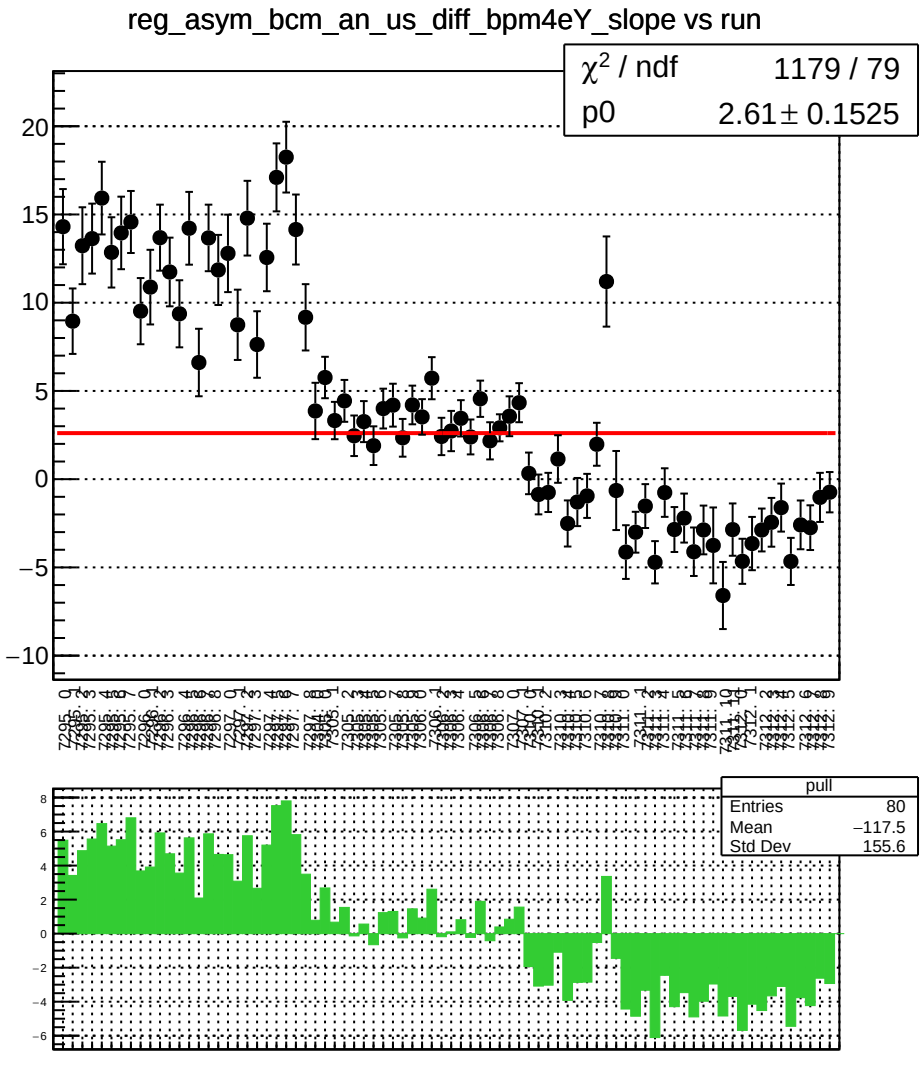

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 3647 / 79
p0 −17.53 ± 0.1555
pull
Entries 80
Mean 39.1
Std Dev 40.26

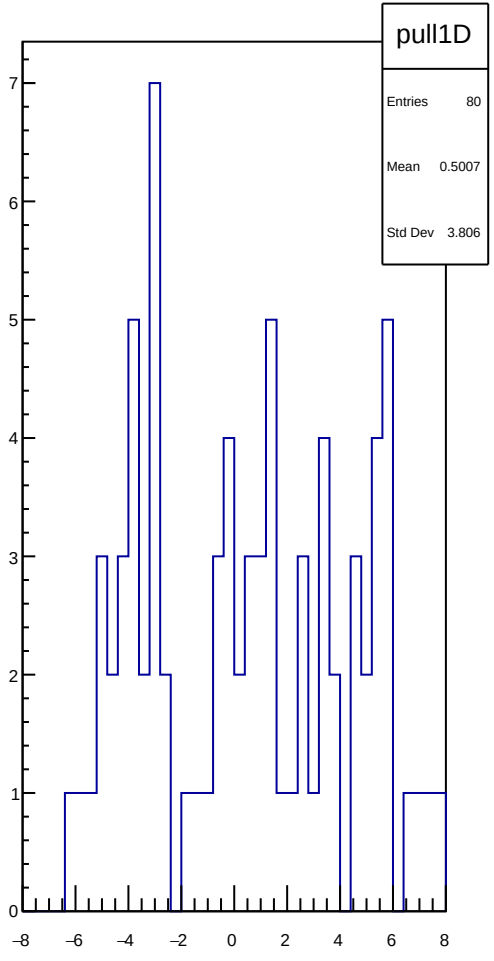

pull1D
Entries 80
Mean −1.609
Std Dev 4.791

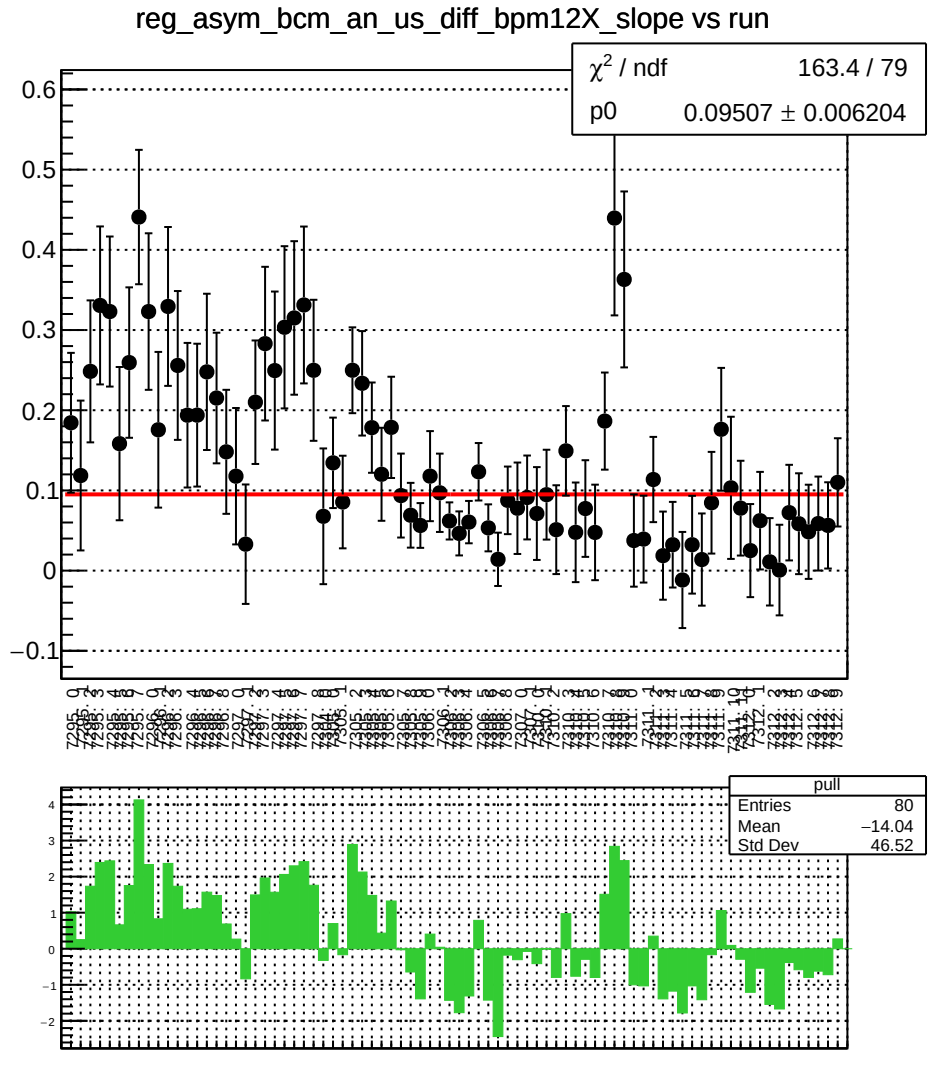

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 1103 / 79
p0 −3.201 ± 0.1425
pull
Entries 80
Mean −110
Std Dev 148.3

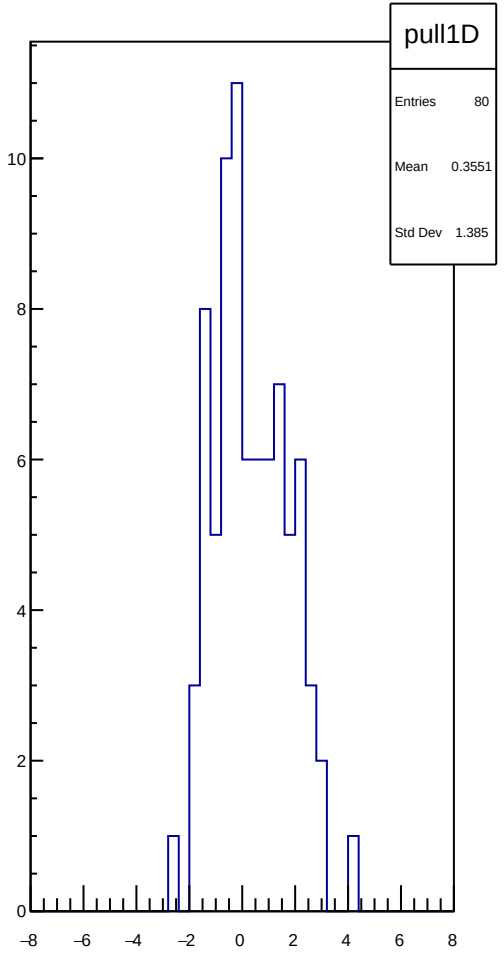

pull1D
Entries 80
Mean −0.5011
Std Dev 3.68

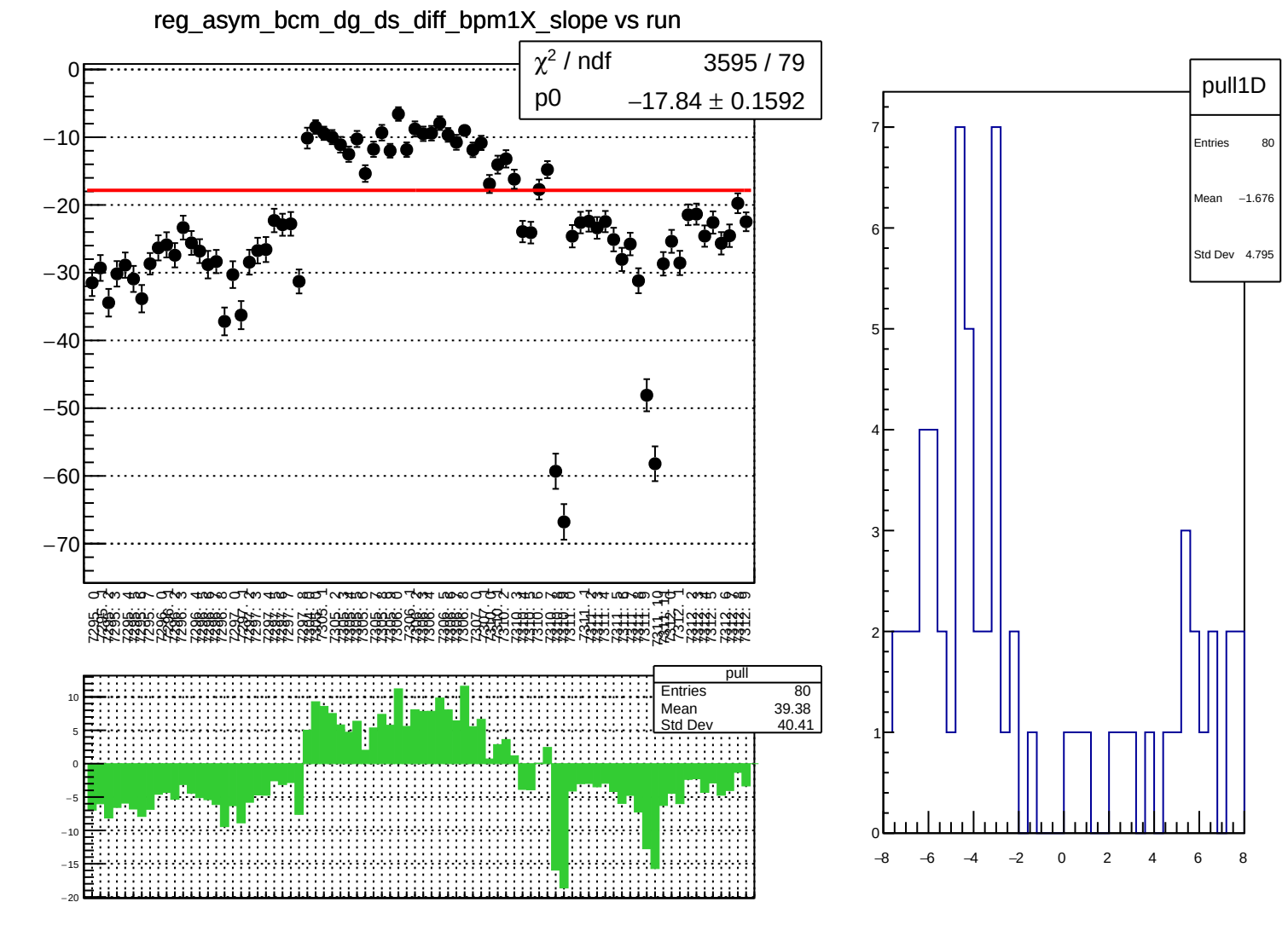

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 3493 / 79
p0 17 ± 0.1543
pull
Entries 80
Mean 42.44
Std Dev 40.37
pull1D
Entries 80
Mean 1.51
Std Dev 4.79

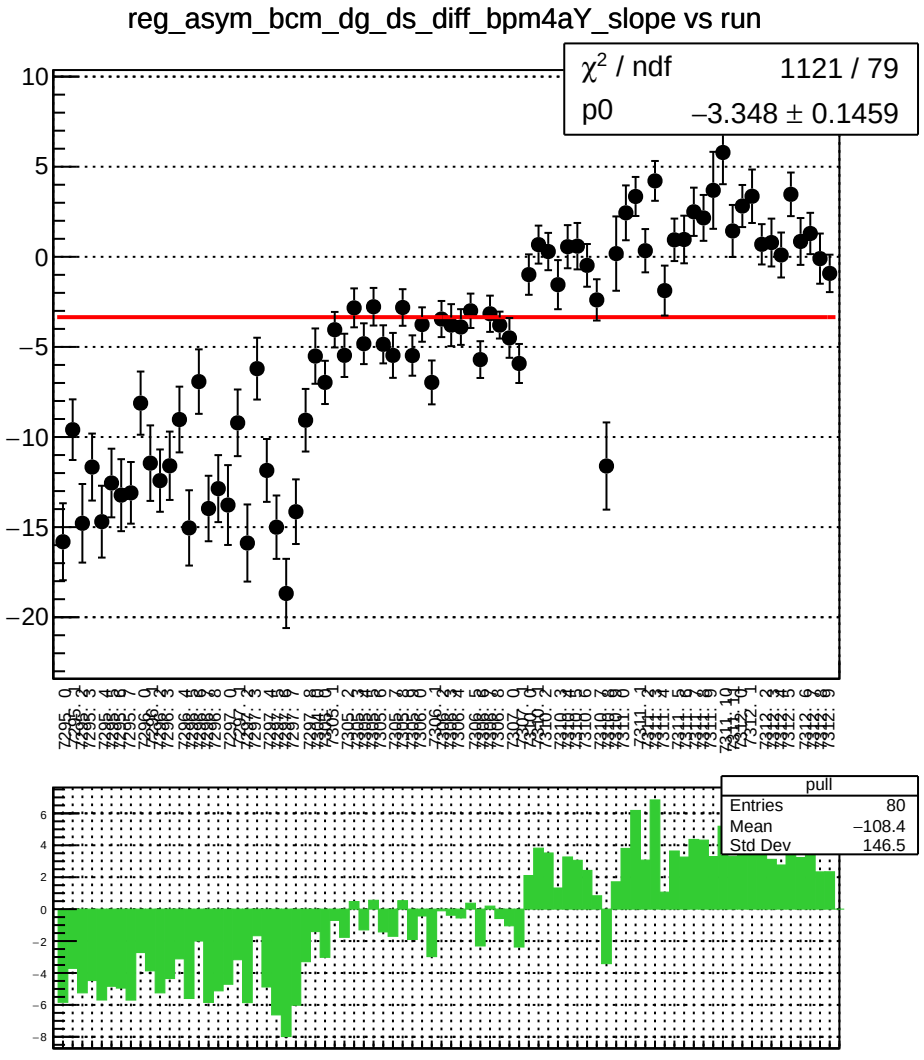

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 1179 / 79
p0 2.61 ± 0.1525
pull
Entries 80
Mean −117.5
Std Dev 155.6

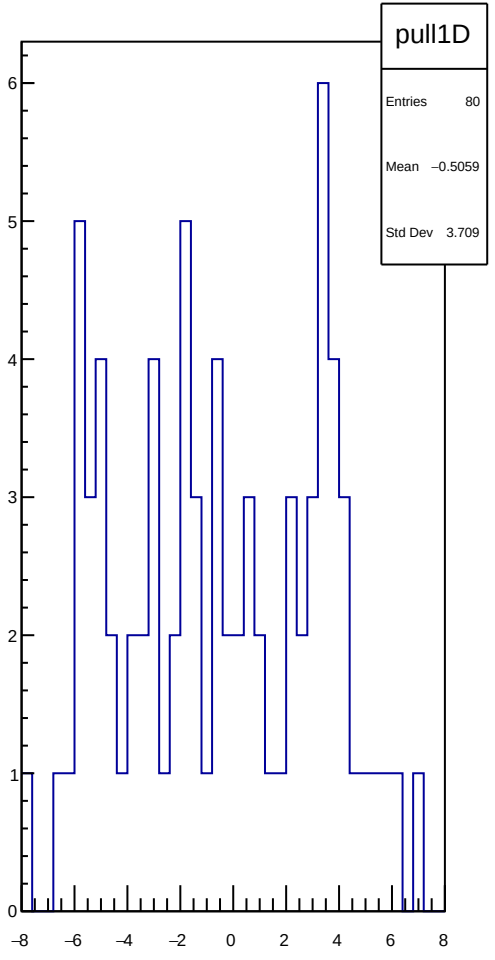

pull1D
Entries 80
Mean 0.5007
Std Dev 3.806

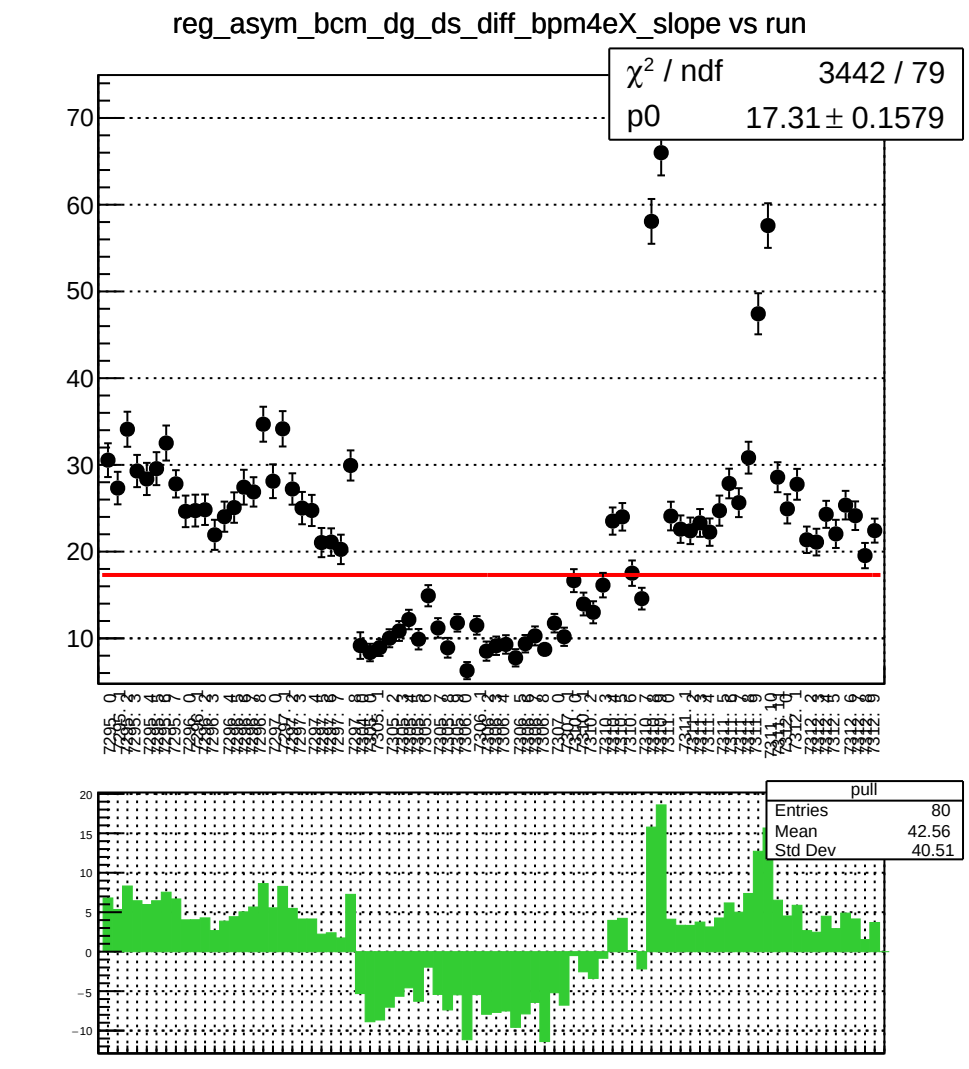

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 163.4 / 79
p0 0.09507 ± 0.006204
pull
Entries 80
Mean −14.04
Std Dev 46.52

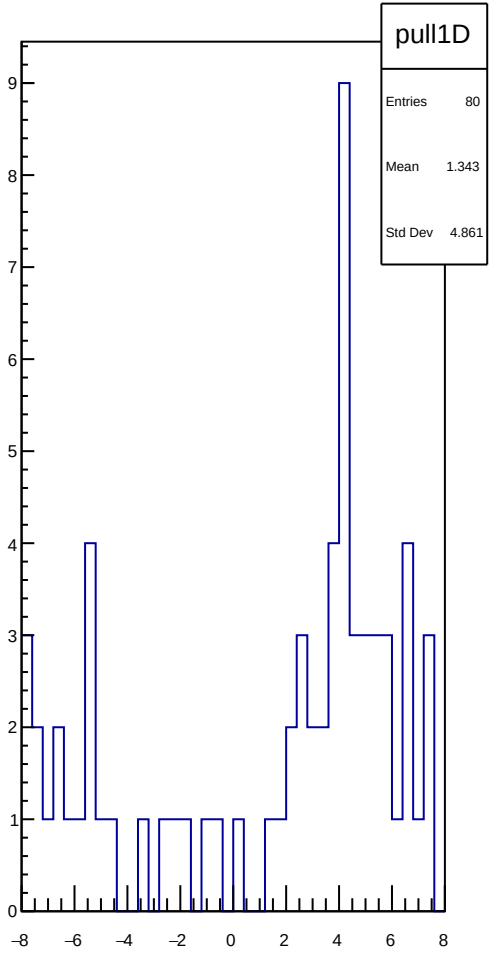

pull1D
Entries 80
Mean 0.3551
Std Dev 1.385

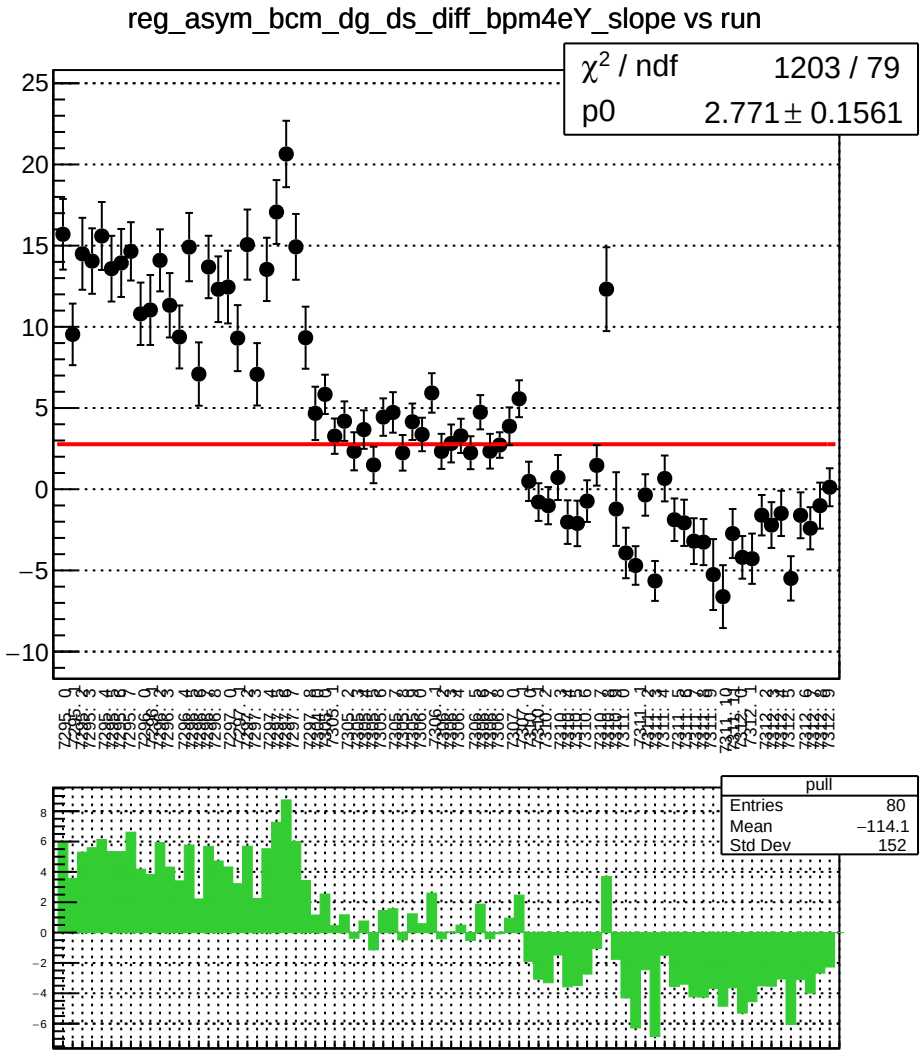

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 3595 / 79
p0 −17.84 ± 0.1592
pull
Entries 80
Mean 39.38
Std Dev 40.41
pull1D
Entries 80
Mean −1.676
Std Dev 4.795

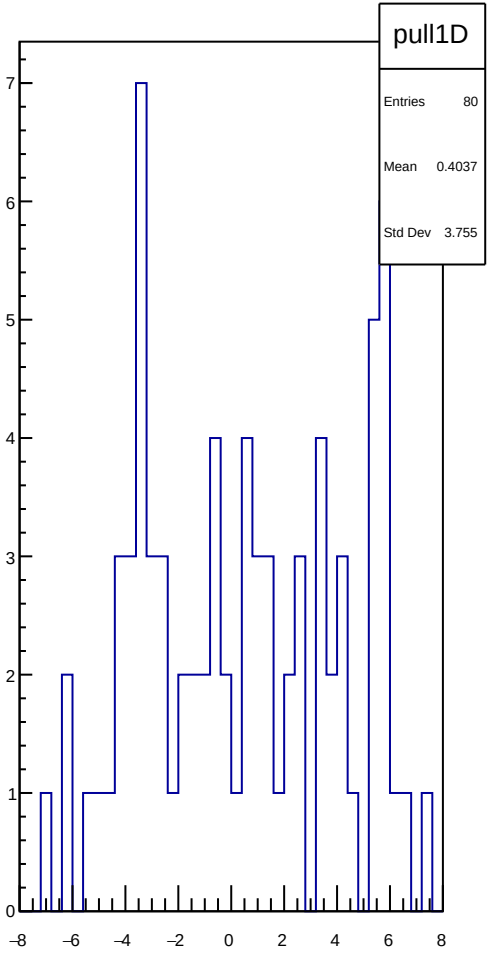

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 1121 / 79
p0 −3.348 ± 0.1459
pull
Entries 80
Mean −108.4
Std Dev 146.5

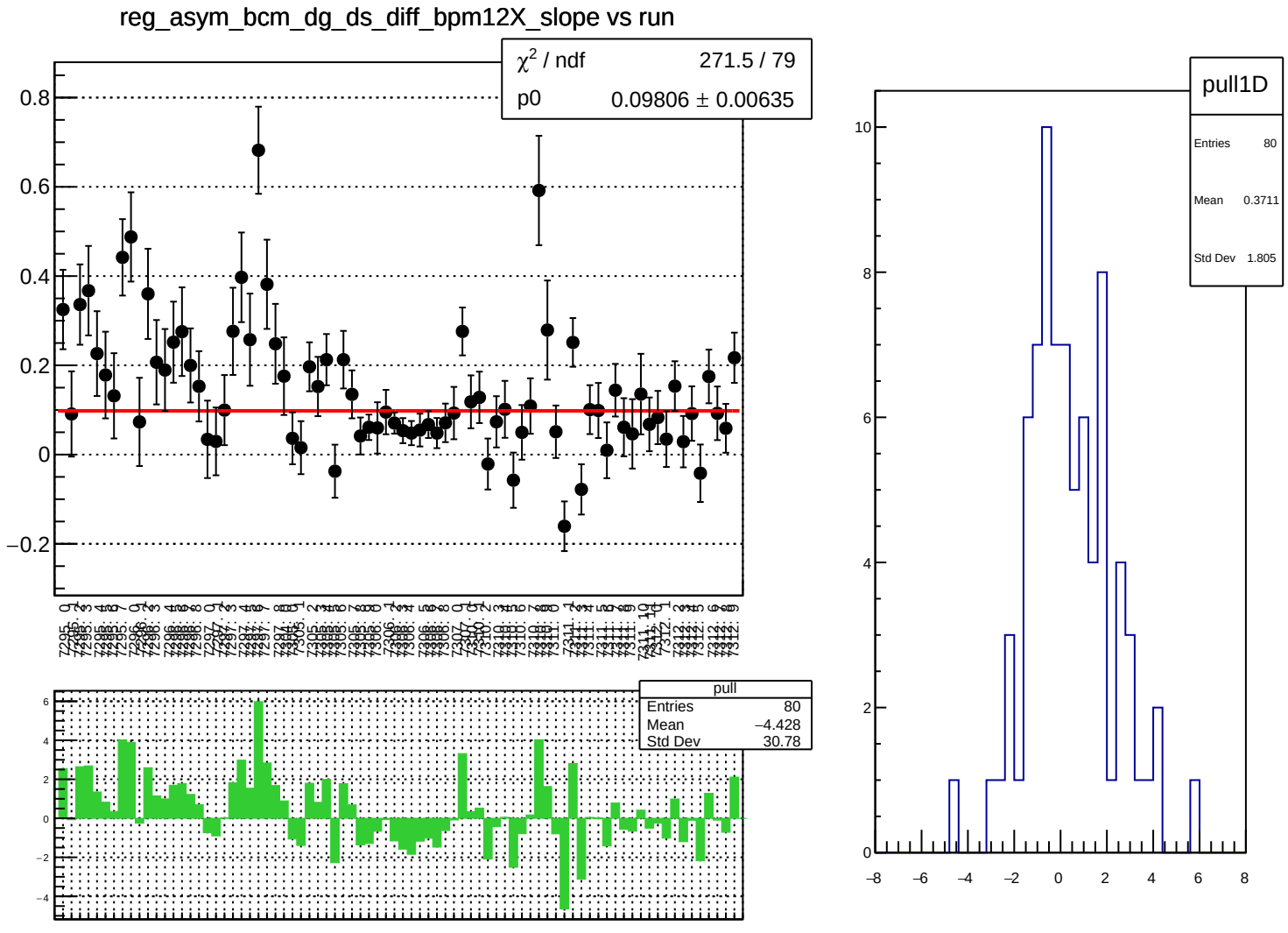

pull1D
Entries 80
Mean −0.5059
Std Dev 3.709

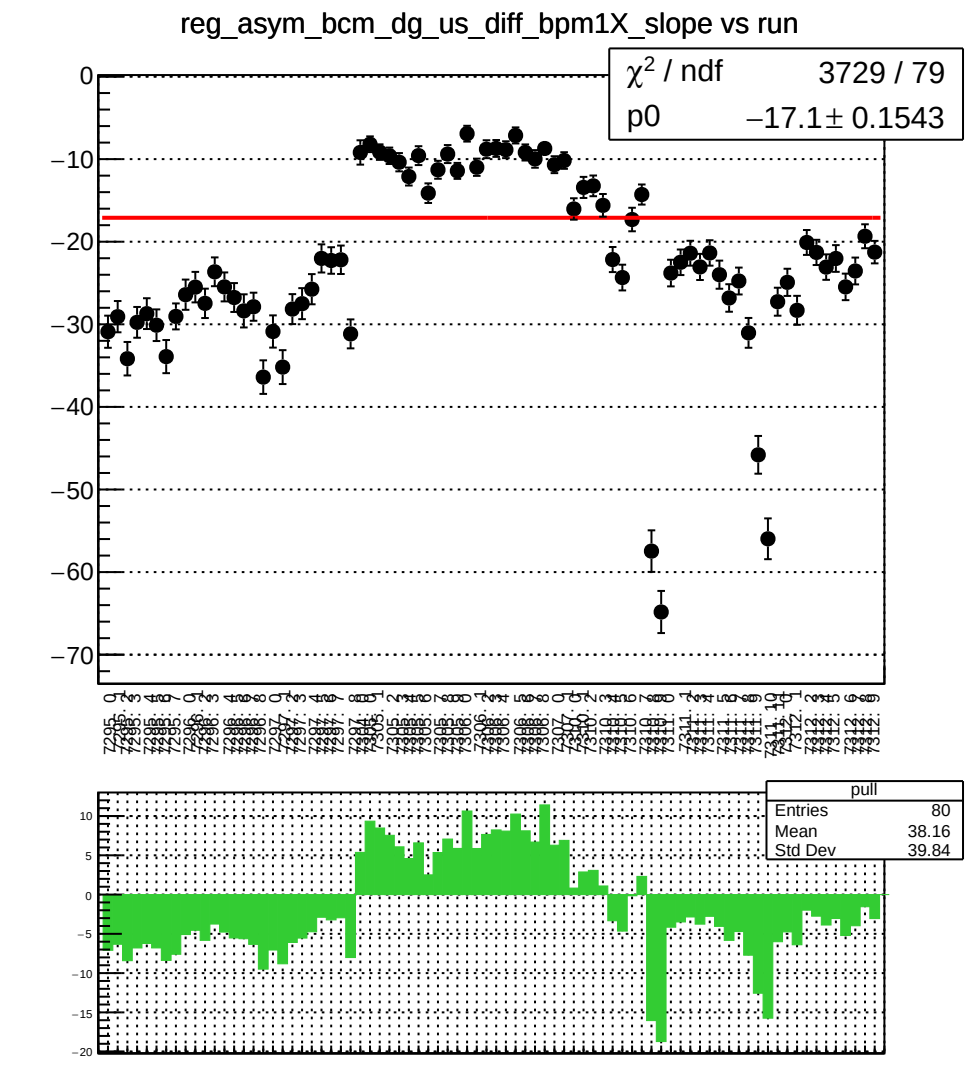

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 3442 / 79
p0 17.31 ± 0.1579
pull
Entries 80
Mean 42.56
Std Dev 40.51

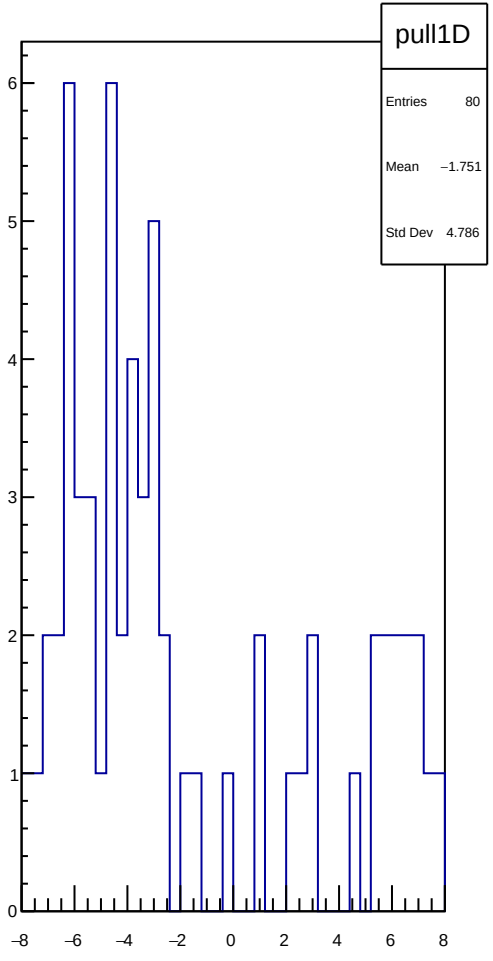

pull1D
Entries 80
Mean 1.343
Std Dev 4.861

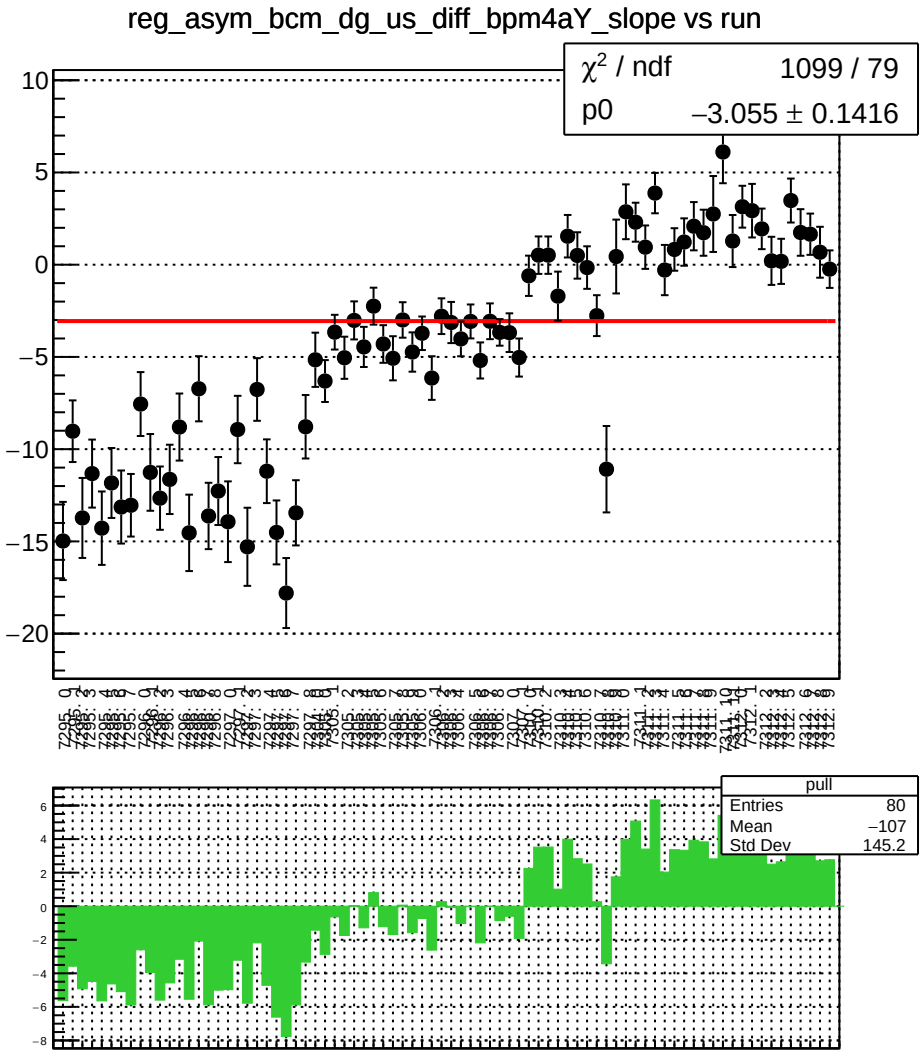

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 1203 / 79
p0 2.771 ± 0.1561
pull
Entries 80
Mean −114.1
Std Dev 152

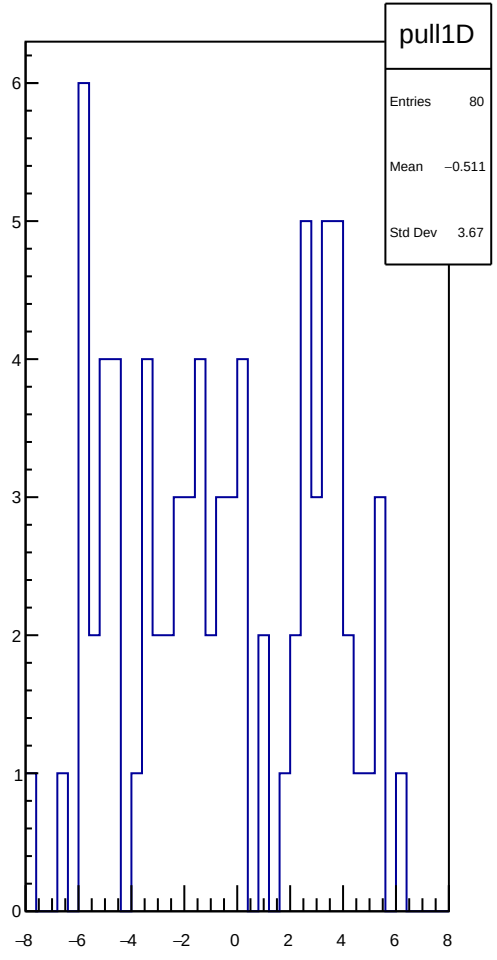

pull1D
Entries 80
Mean 0.4037
Std Dev 3.755

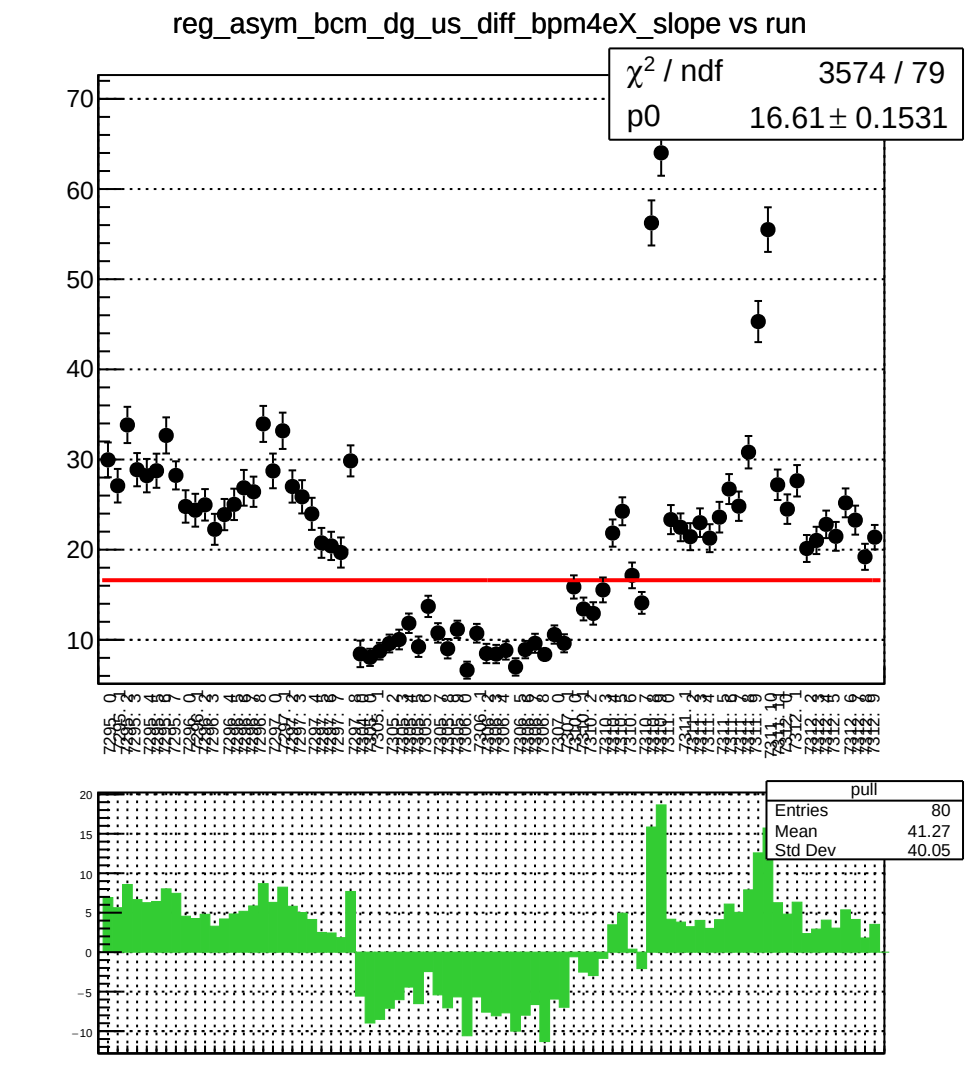

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 271.5 / 79
p0 0.09806 ± 0.00635
pull
Entries 80
Mean −4.428
Std Dev 30.78
pull1D
Entries 80
Mean 0.3711
Std Dev 1.805

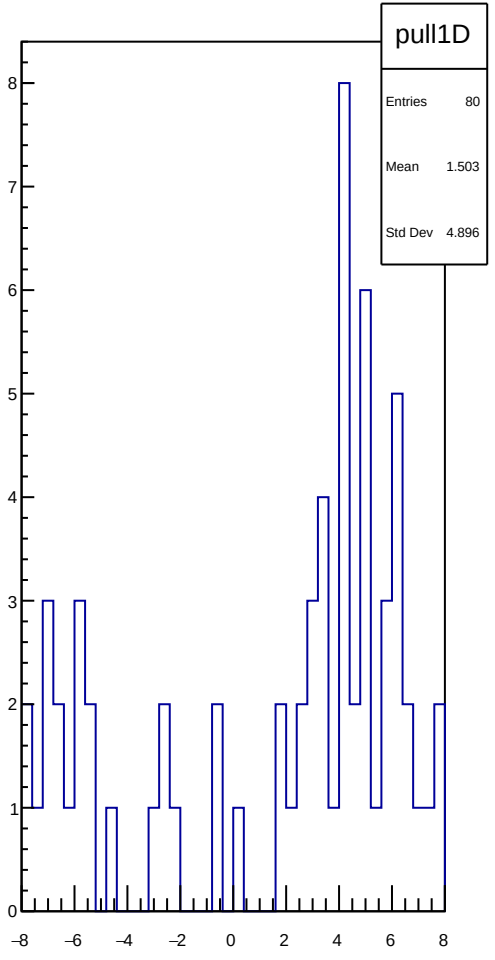

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 3729 / 79
p0 −17.1 ± 0.1543
pull
Entries 80
Mean 38.16
Std Dev 39.84

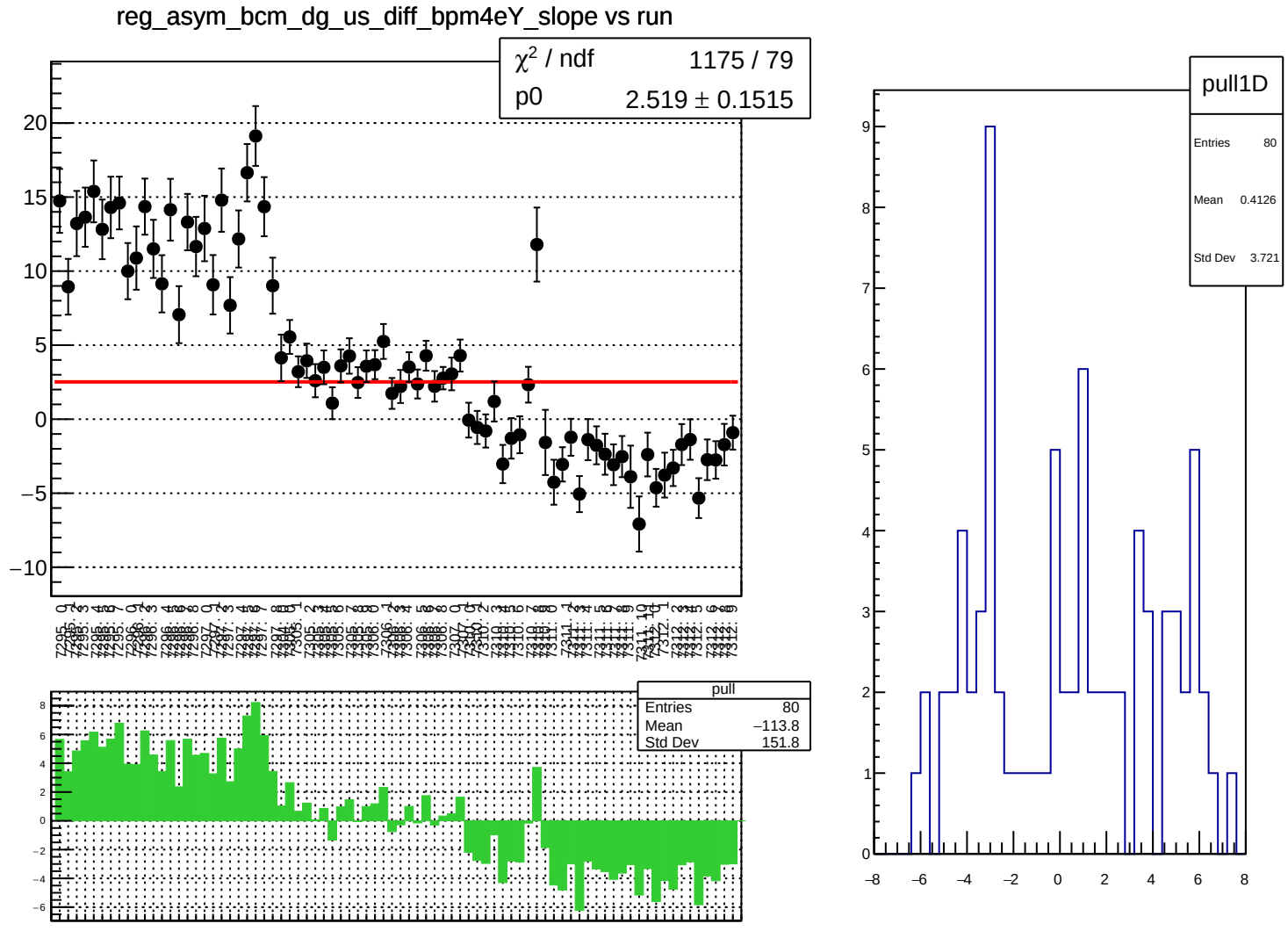

pull1D
Entries 80
Mean −1.751
Std Dev 4.786

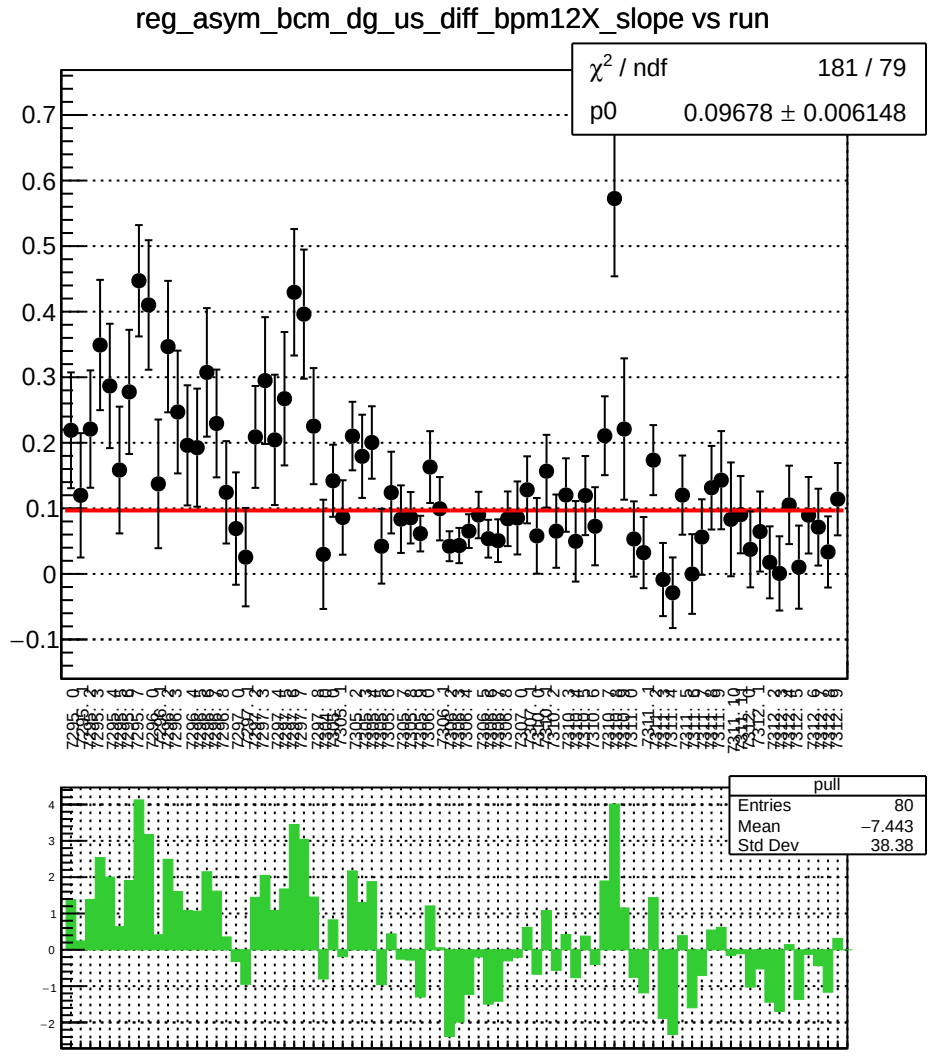

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 1099 / 79
p0 −3.055 ± 0.1416
pull
Entries 80
Mean −107
Std Dev 145.2

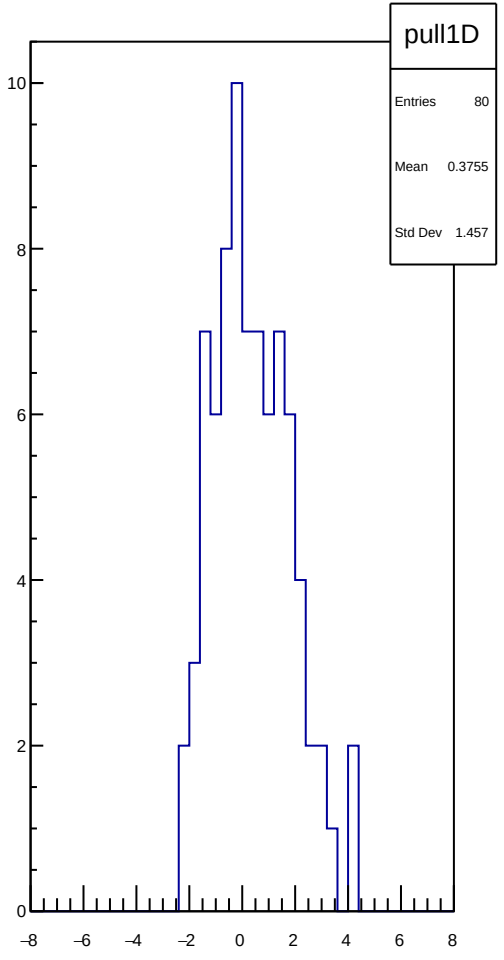

pull1D
Entries 80
Mean −0.511
Std Dev 3.67


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 3574 / 79
p0 16.61 ± 0.1531
pull
Entries 80
Mean 41.27
Std Dev 40.05


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 −113.8
Std Dev 151.8
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 −7.443
Std Dev 38.38


pull1D
Entries 80
Mean 0.3755
Std Dev 1.457