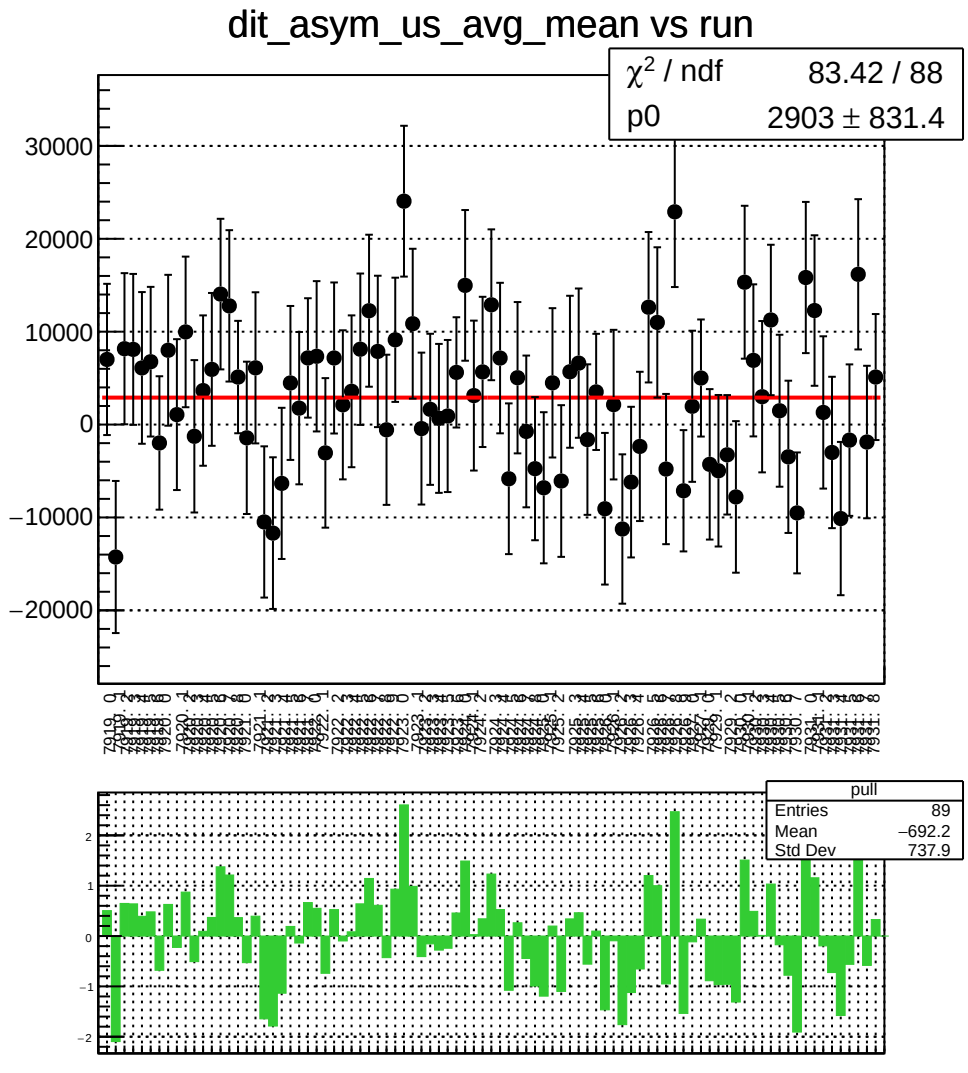
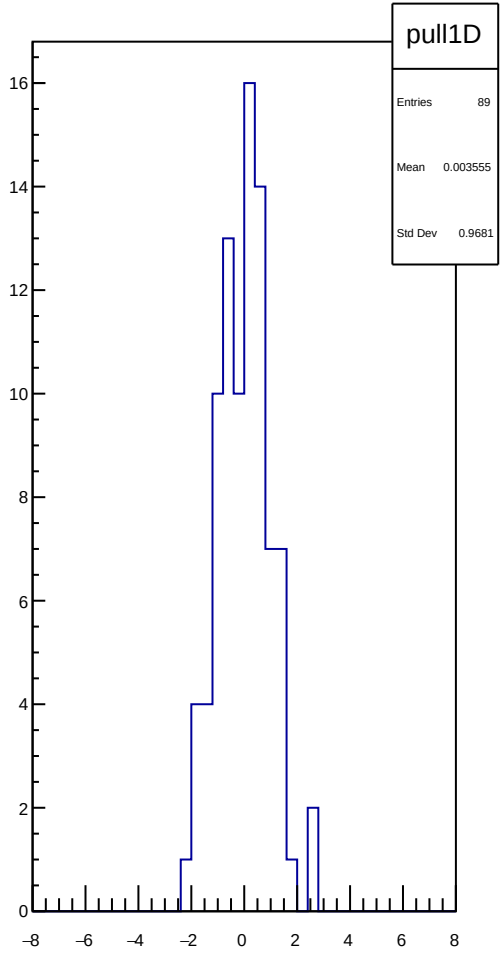
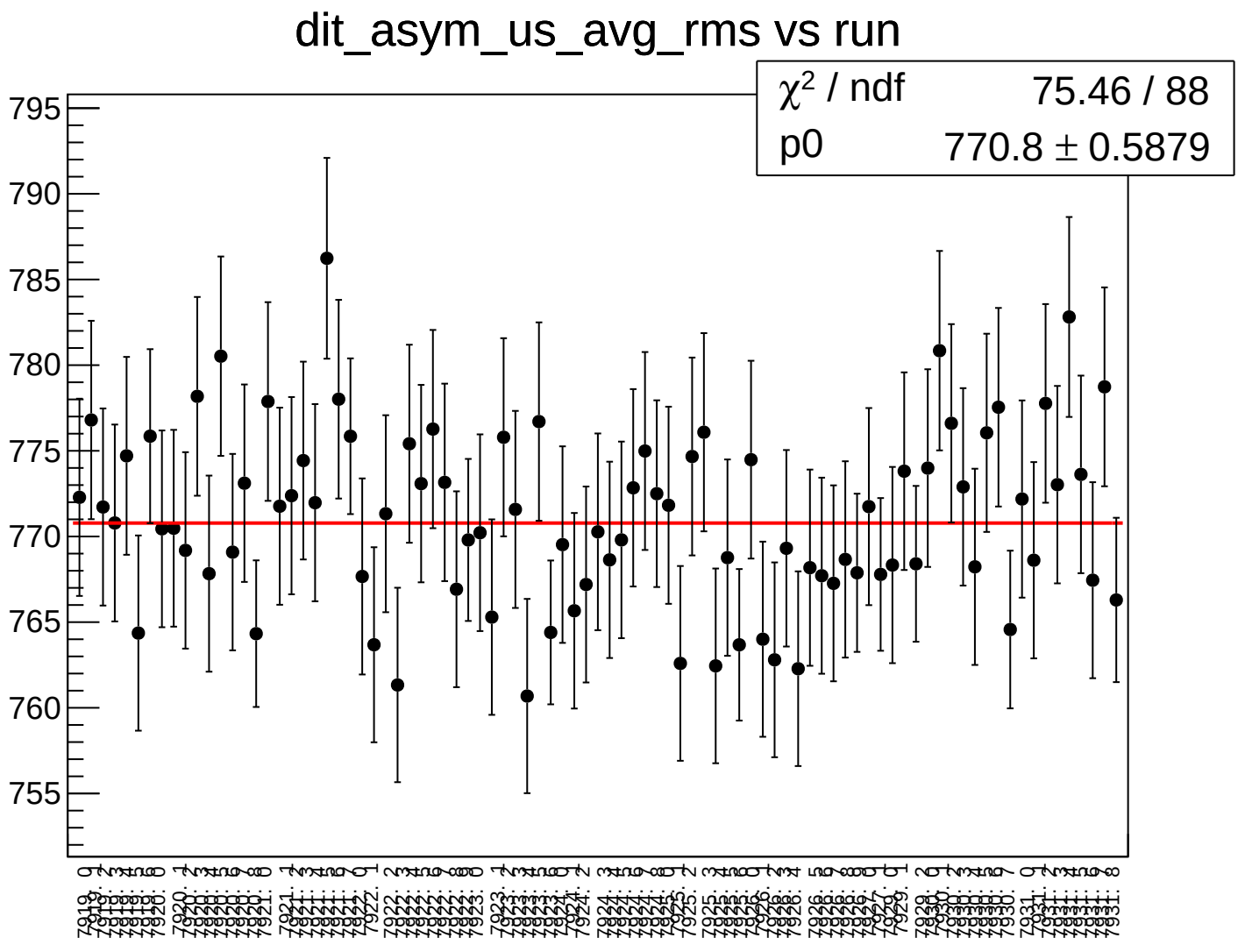
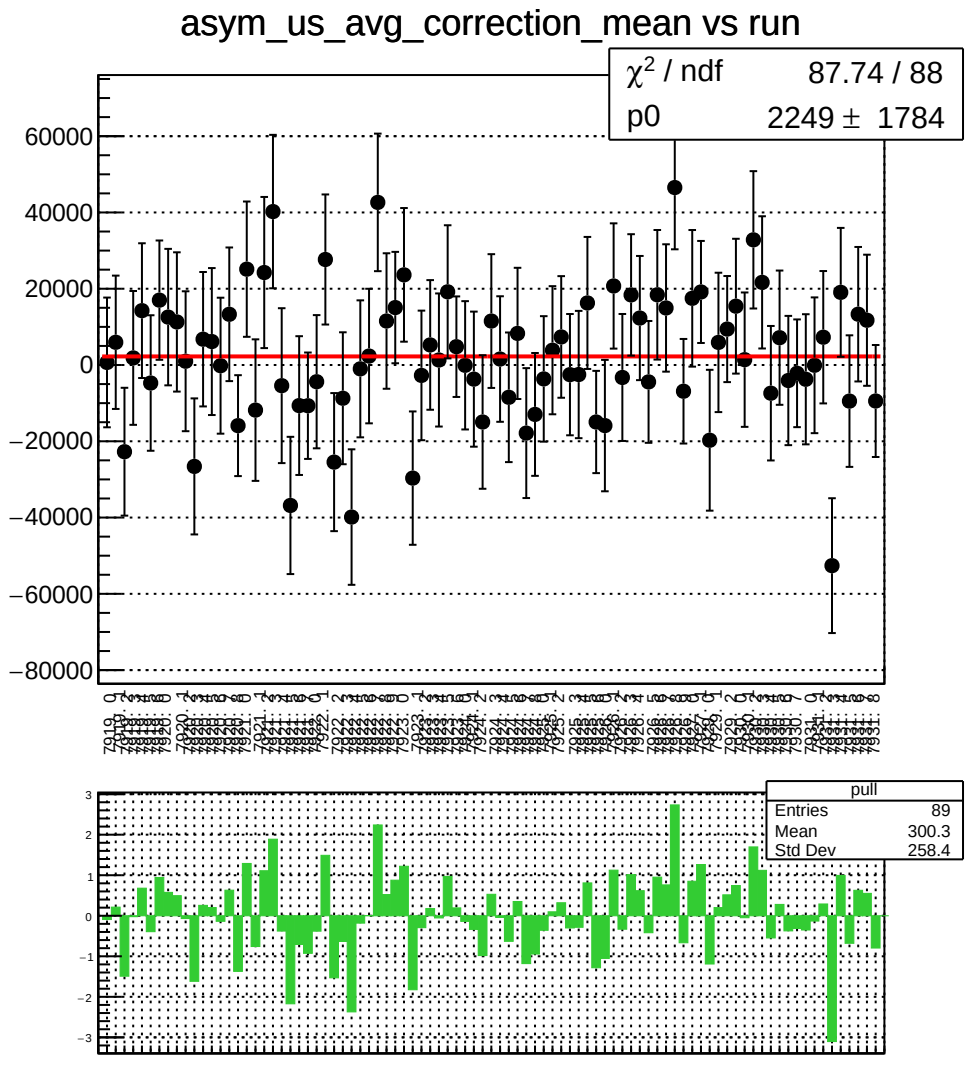
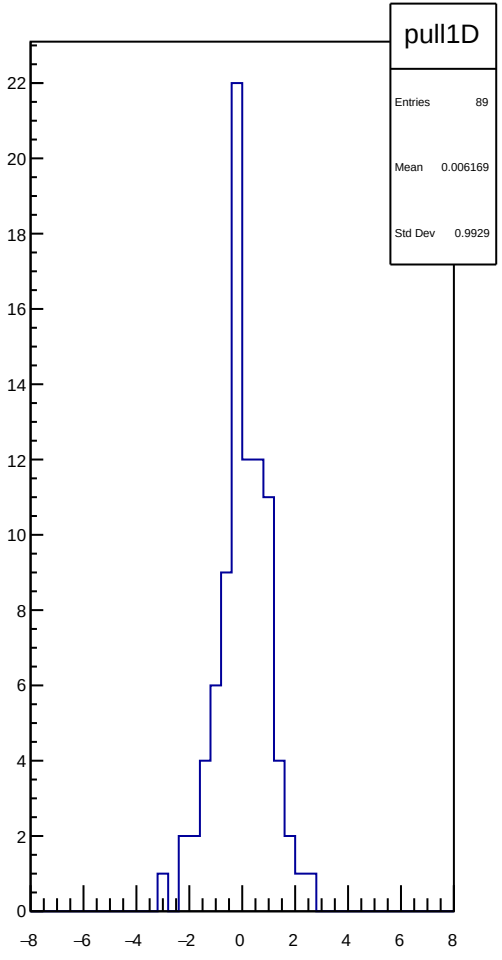
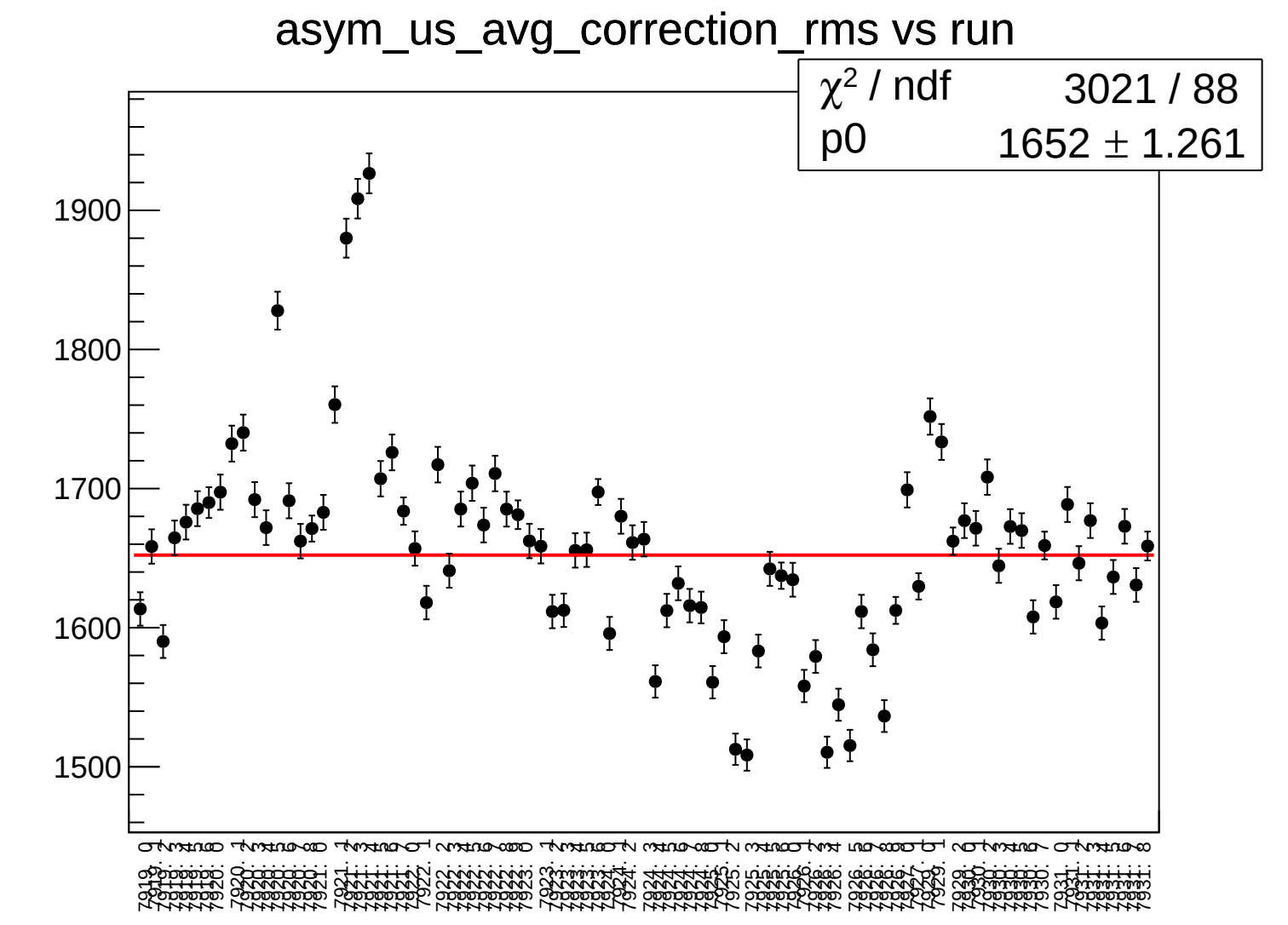

dit_asym_us_avg_mean vs run
χ² / ndf 83.42 / 88
p0 2903 ± 831.4
30000
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −692.2
Std Dev 737.9
2
1
0
−1
−2

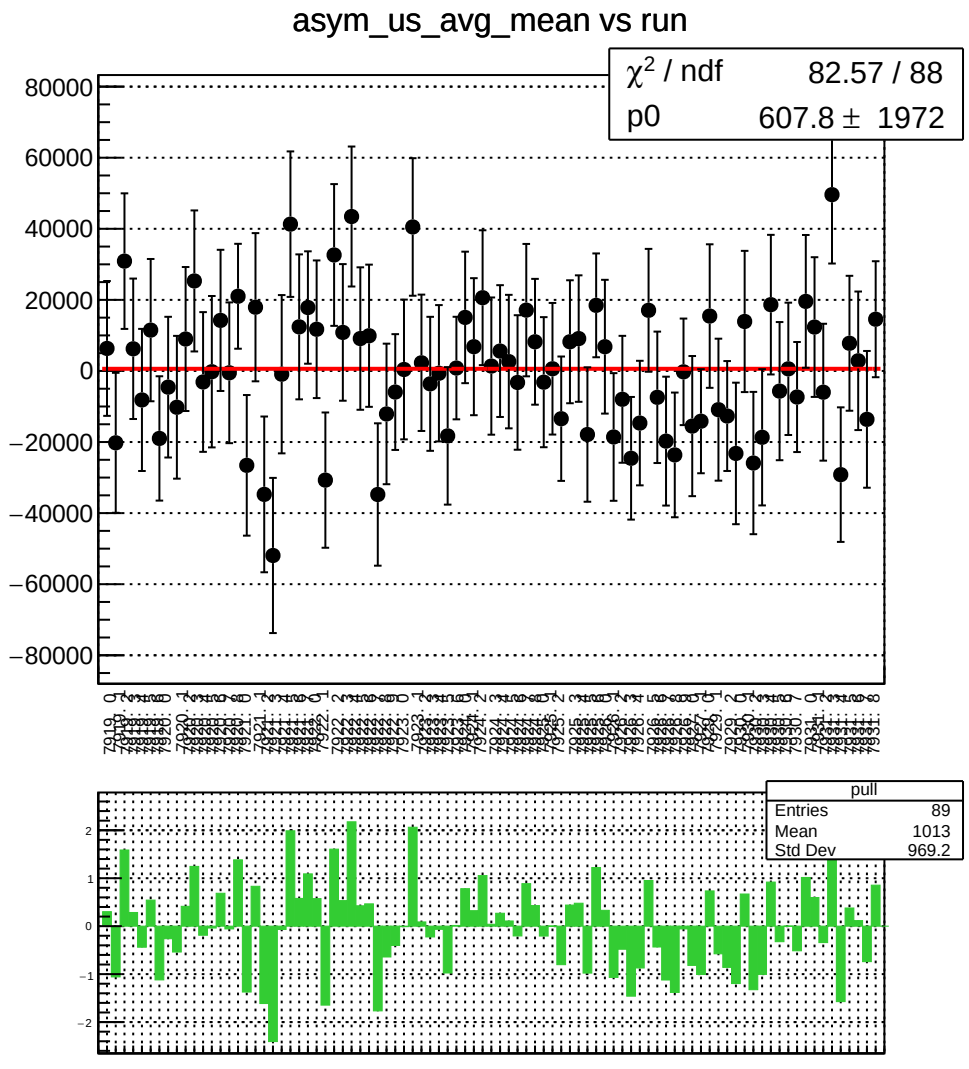

pull1D
Entries 89
Mean 0.003555
Std Dev 0.9681
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

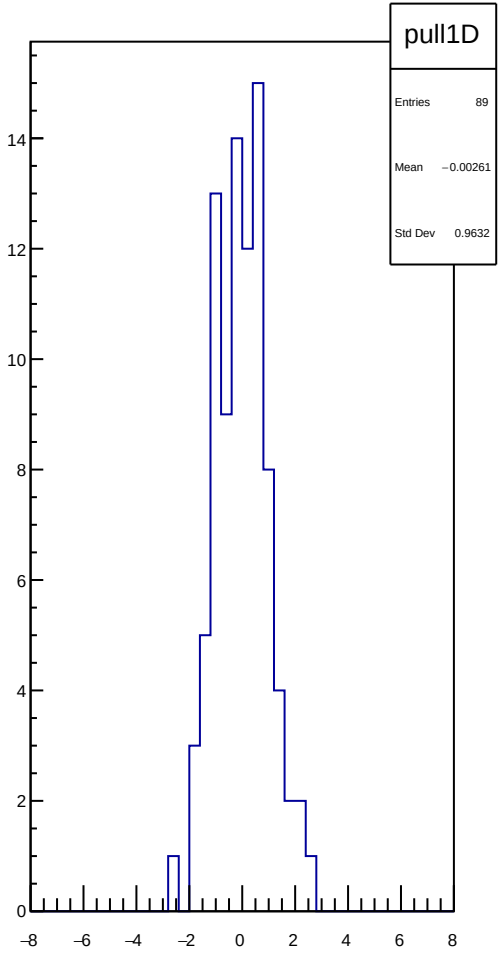

dit_asym_us_avg_rms vs run
χ² / ndf 75.46 / 88
p0 770.8 ± 0.5879
795
790
785
780
775
770
765
760
755

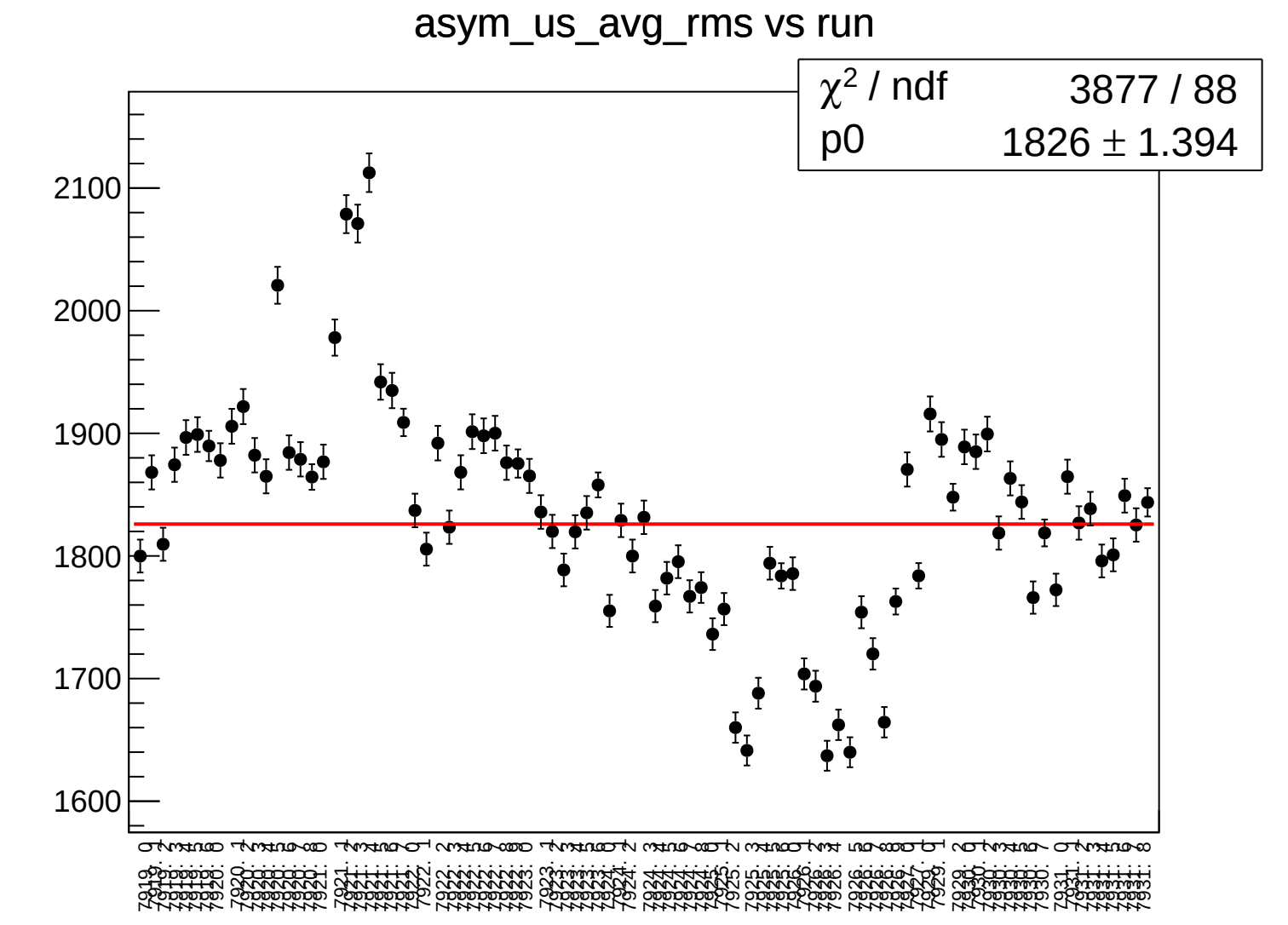

asym_us_avg_correction_mean vs run
χ² / ndf 87.74 / 88
p0 2249 ± 1784
pull
Entries 89
Mean 300.3
Std Dev 258.4

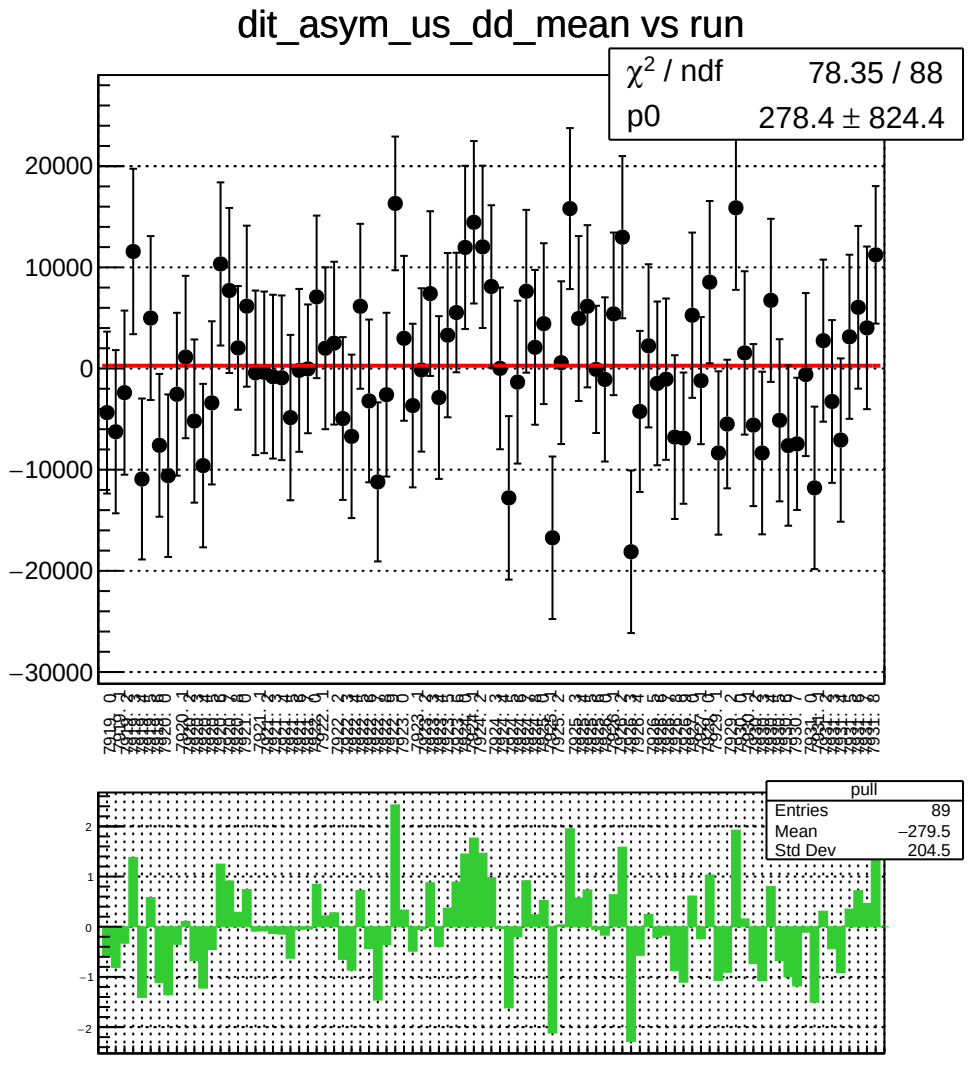

pull1D
Entries 89
Mean 0.006169
Std Dev 0.9929

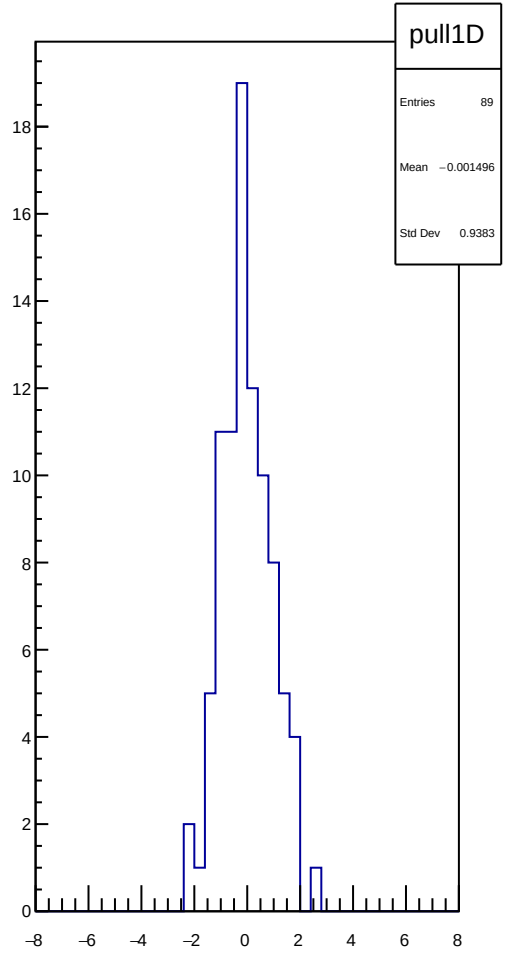

asym_us_avg_correction_rms vs run
χ² / ndf 3021 / 88
p0 1652 ± 1.261
1900
1800
1700
1600
1500

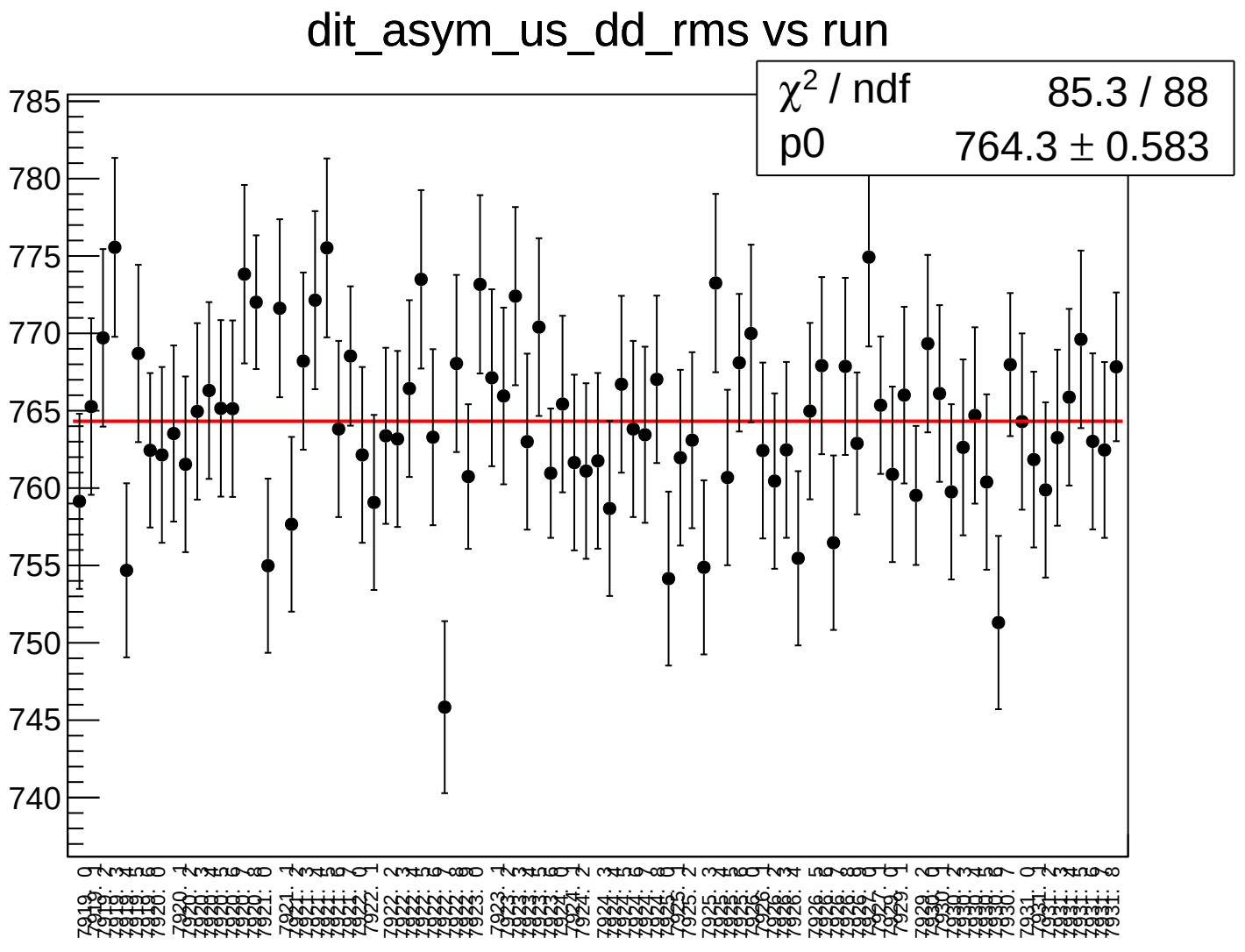

asym_us_avg_mean vs run
χ² / ndf 82.57 / 88
p0 607.8 ± 1972
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean 1013
Std Dev 969.2
2
1
0
−1
−2

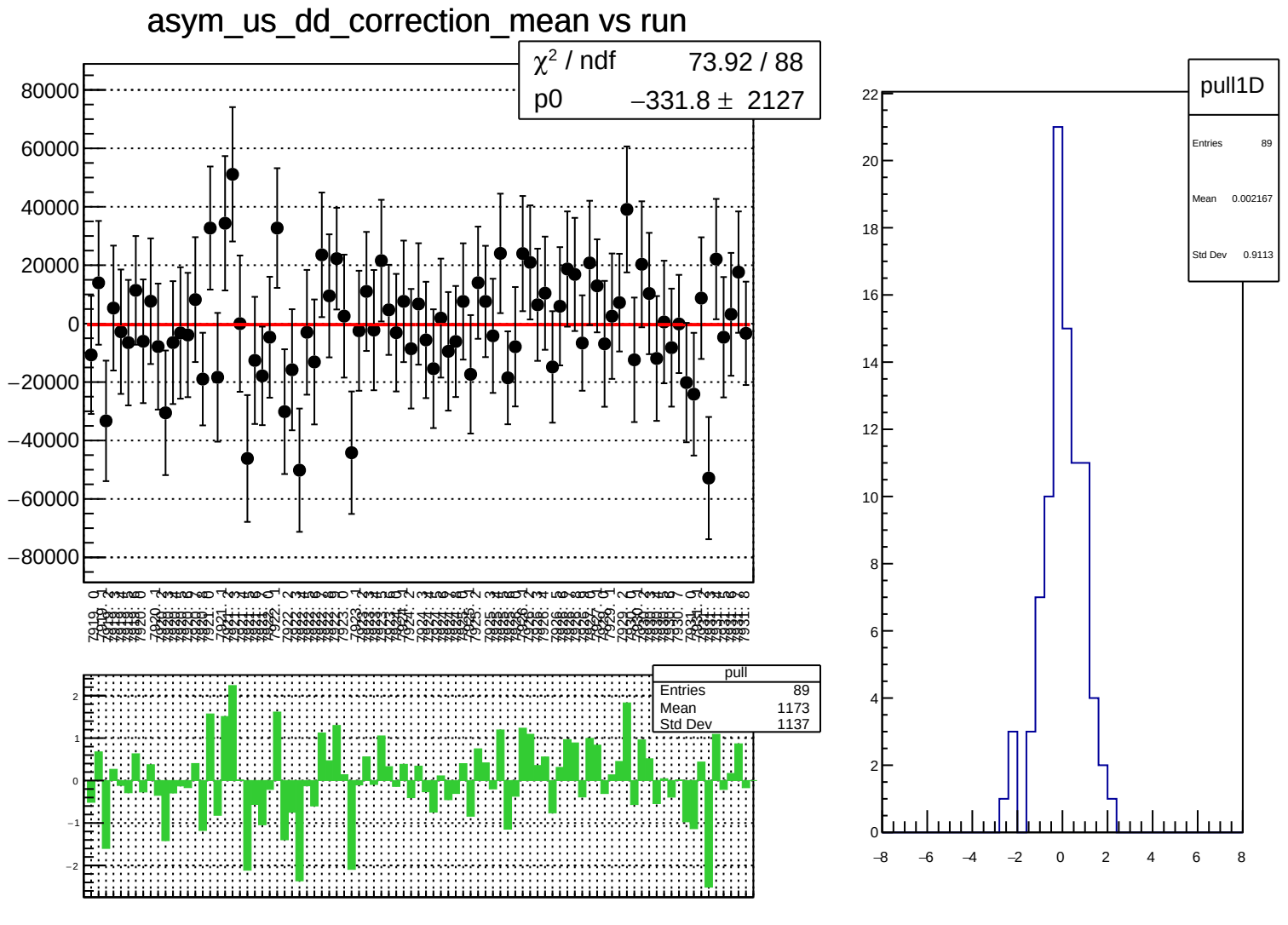

pull1D
Entries 89
Mean −0.00261
Std Dev 0.9632
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

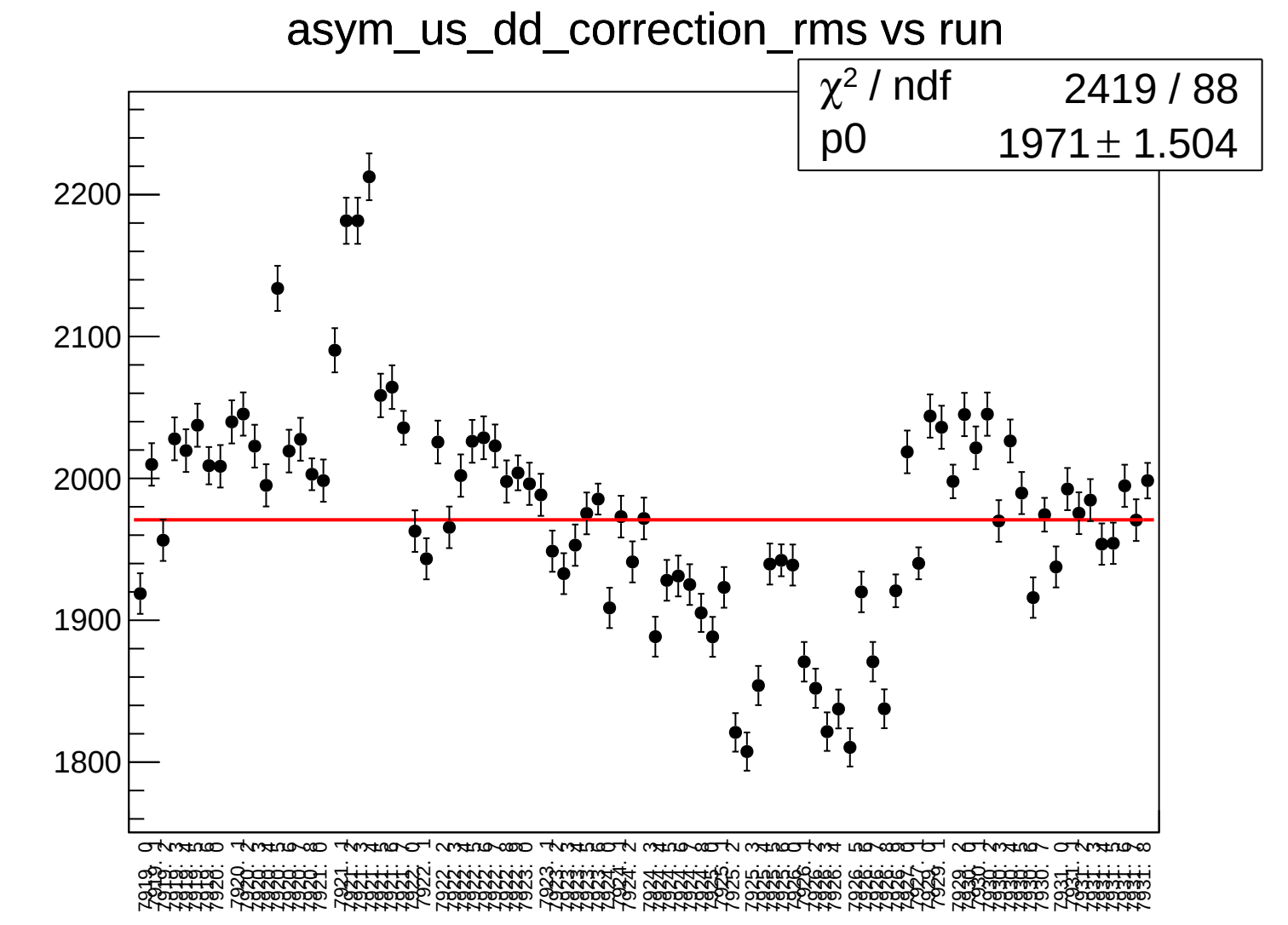

asym_us_avg_rms vs run
χ^2 / ndf 3877 / 88
p0 1826 ± 1.394
2100
2000
1900
1800
1700
1600

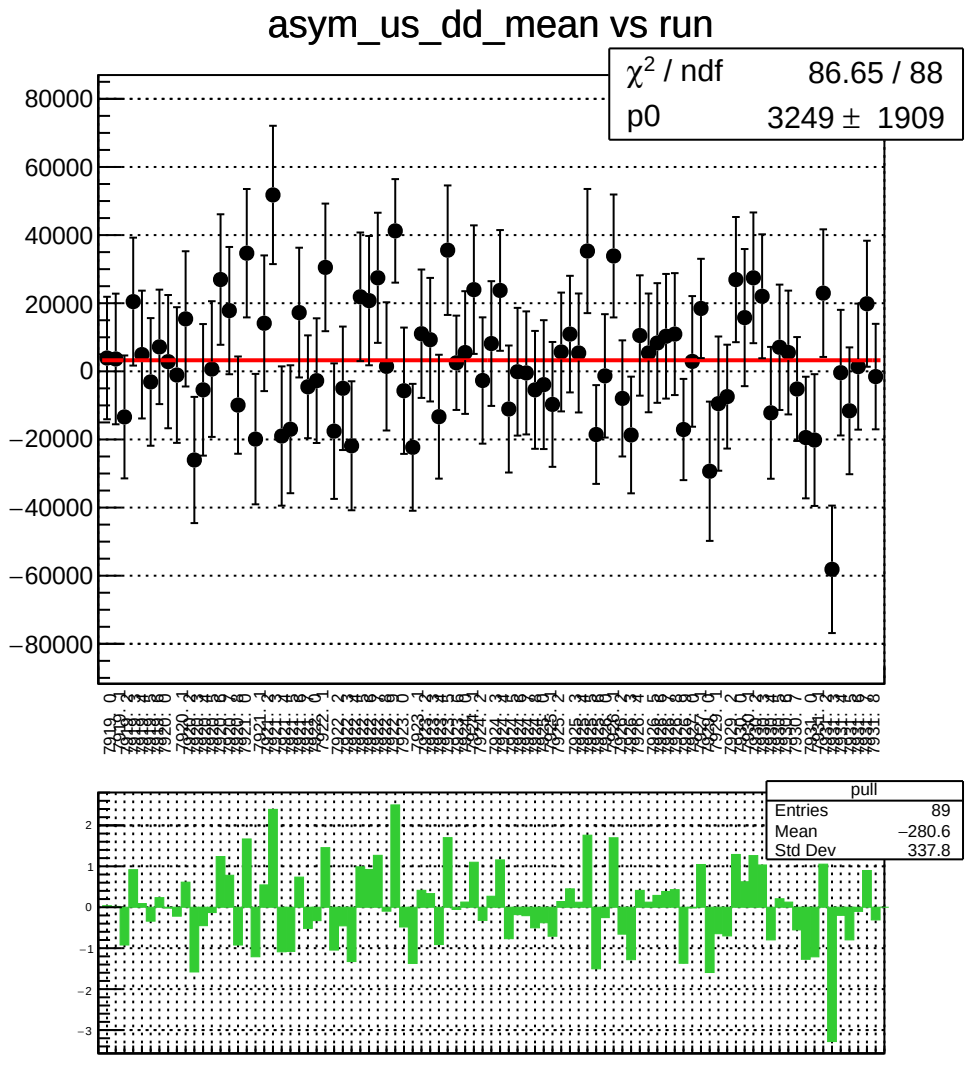

dit_asym_us_dd_mean vs run
χ^2 / ndf 78.35 / 88
p0 278.4 ± 824.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −279.5
Std Dev 204.5
2
1
0
−1
−2

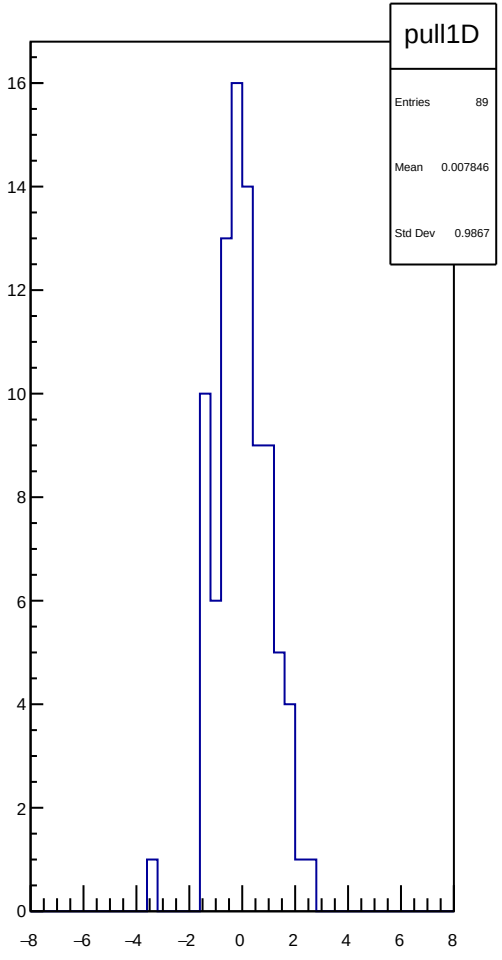

pull1D
Entries 89
Mean −0.001496
Std Dev 0.9383
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

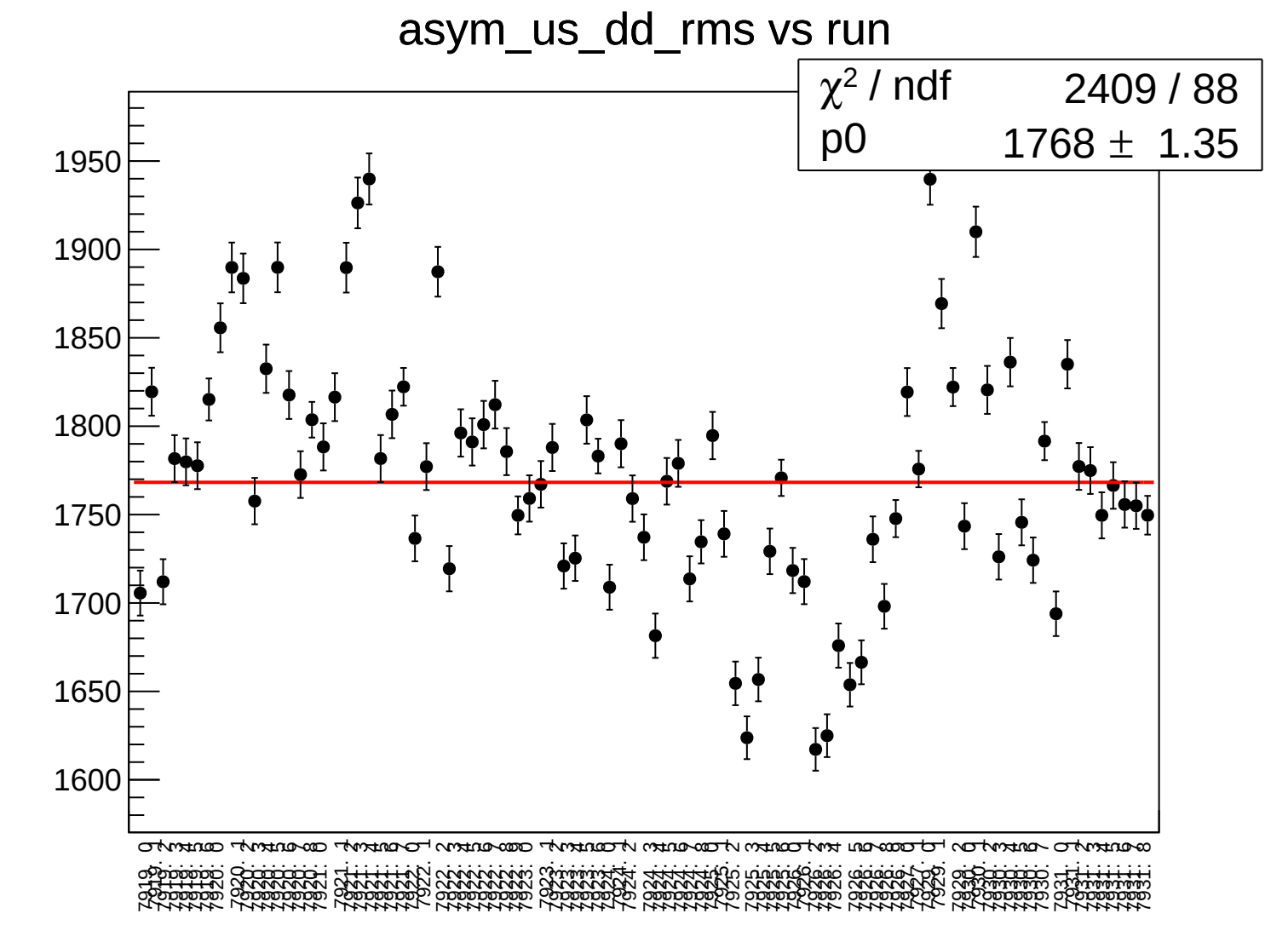

dit_asym_us_dd_rms vs run
χ^2 / ndf 85.3 / 88
p0 764.3 ± 0.583
785
780
775
770
765
760
755
750
745
740

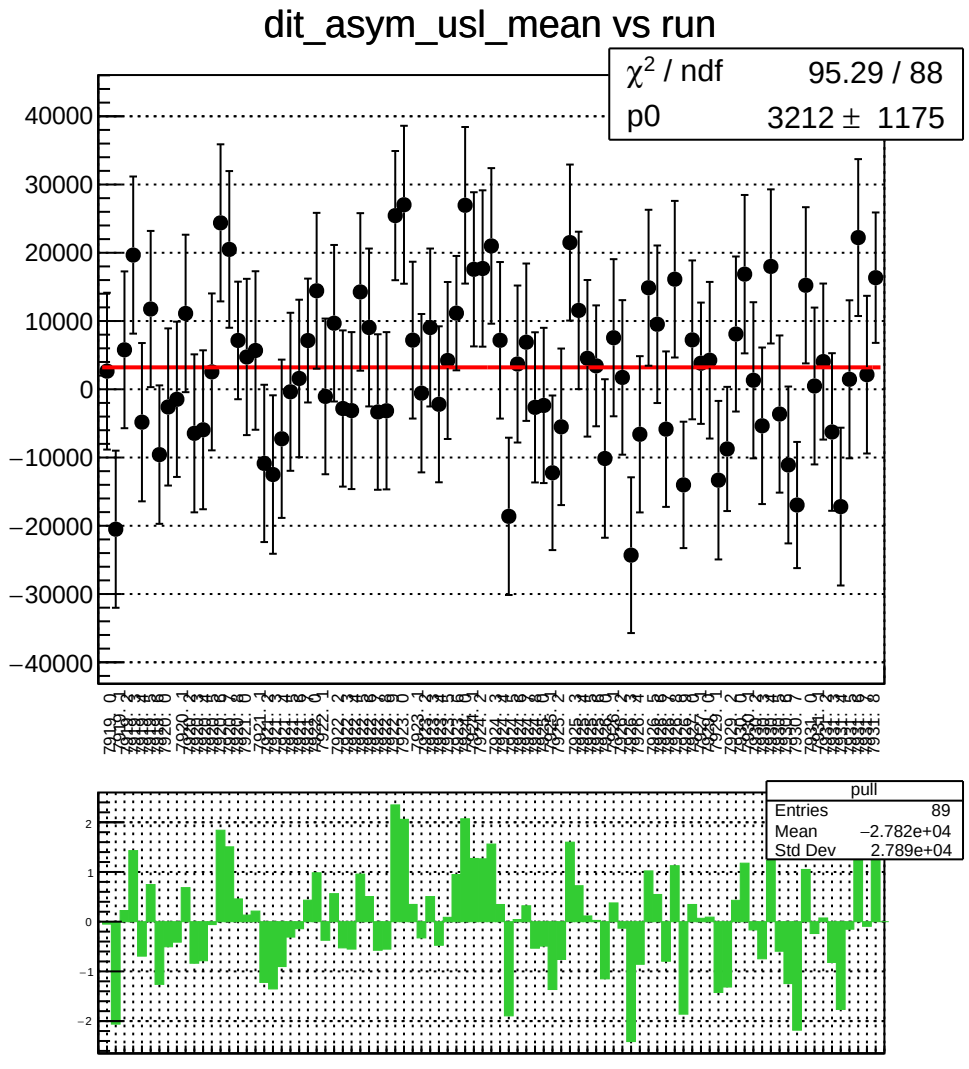

asym_us_dd_correction_mean vs run
χ² / ndf 73.92 / 88
p0 −331.8 ± 2127
pull
Entries 89
Mean 1173
Std Dev 1137
pull1D
Entries 89
Mean 0.002167
Std Dev 0.9113

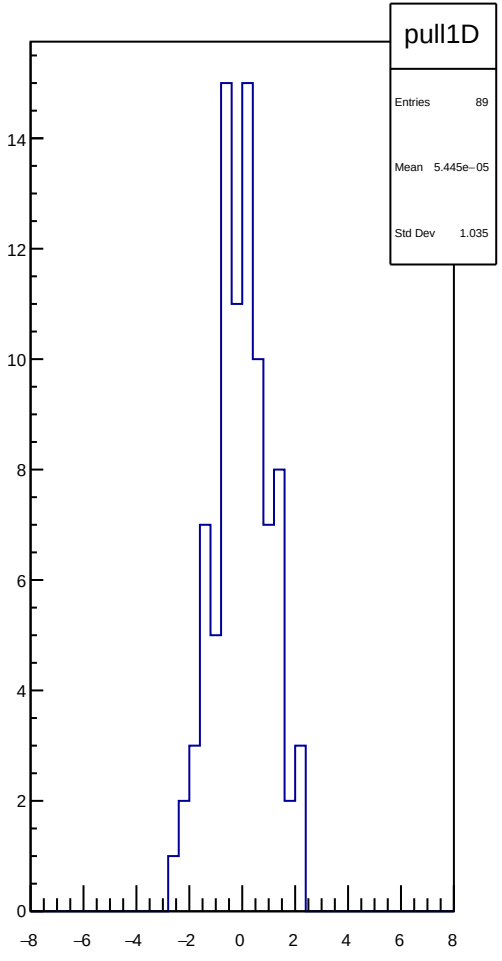

asym_us_dd_correction_rms vs run
χ² / ndf 2419 / 88
p0 1971 ± 1.504
2200
2100
2000
1900
1800

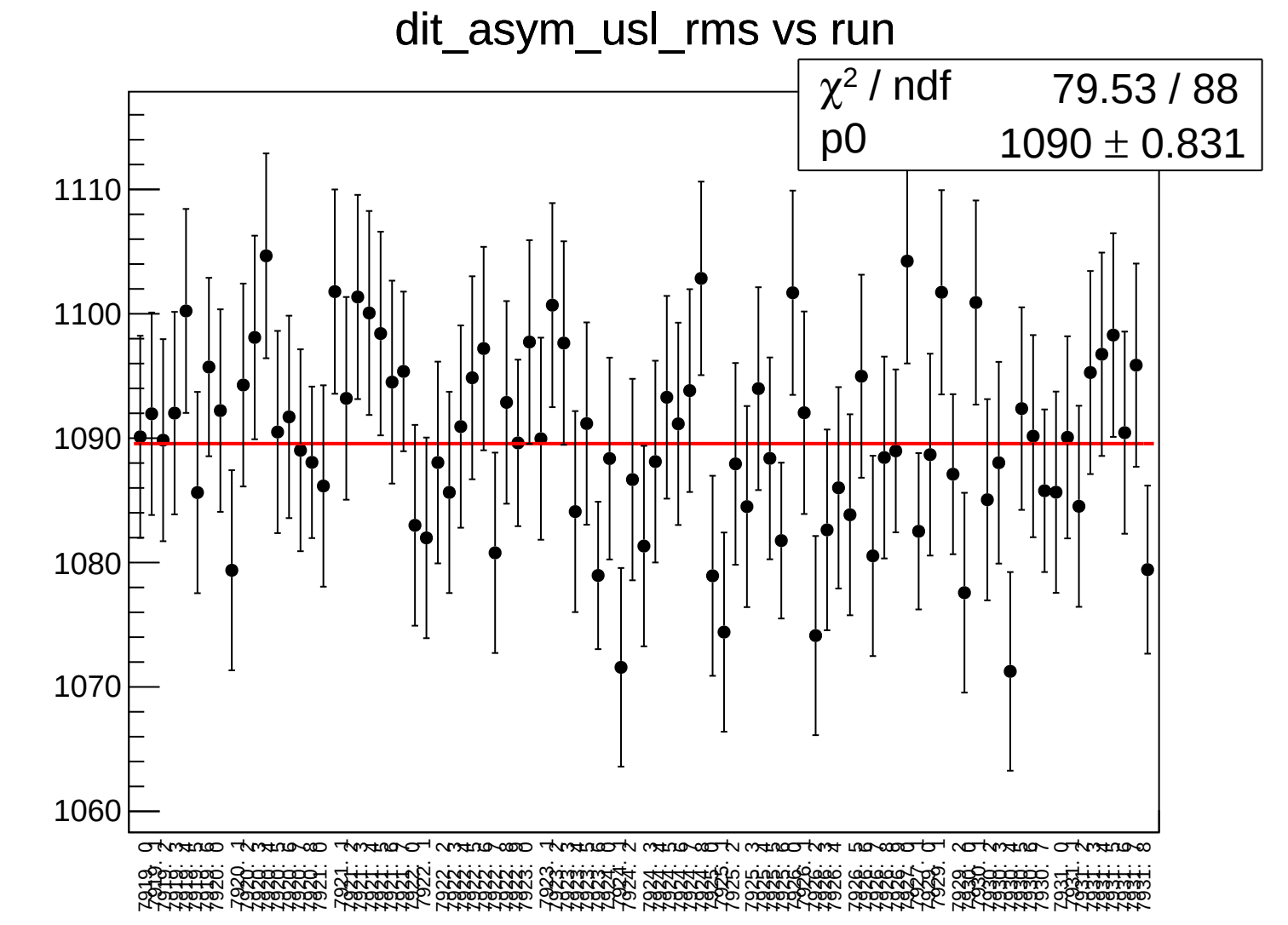

asym_us_dd_mean vs run
χ² / ndf 86.65 / 88
p0 3249 ± 1909
pull
Entries 89
Mean −280.6
Std Dev 337.8

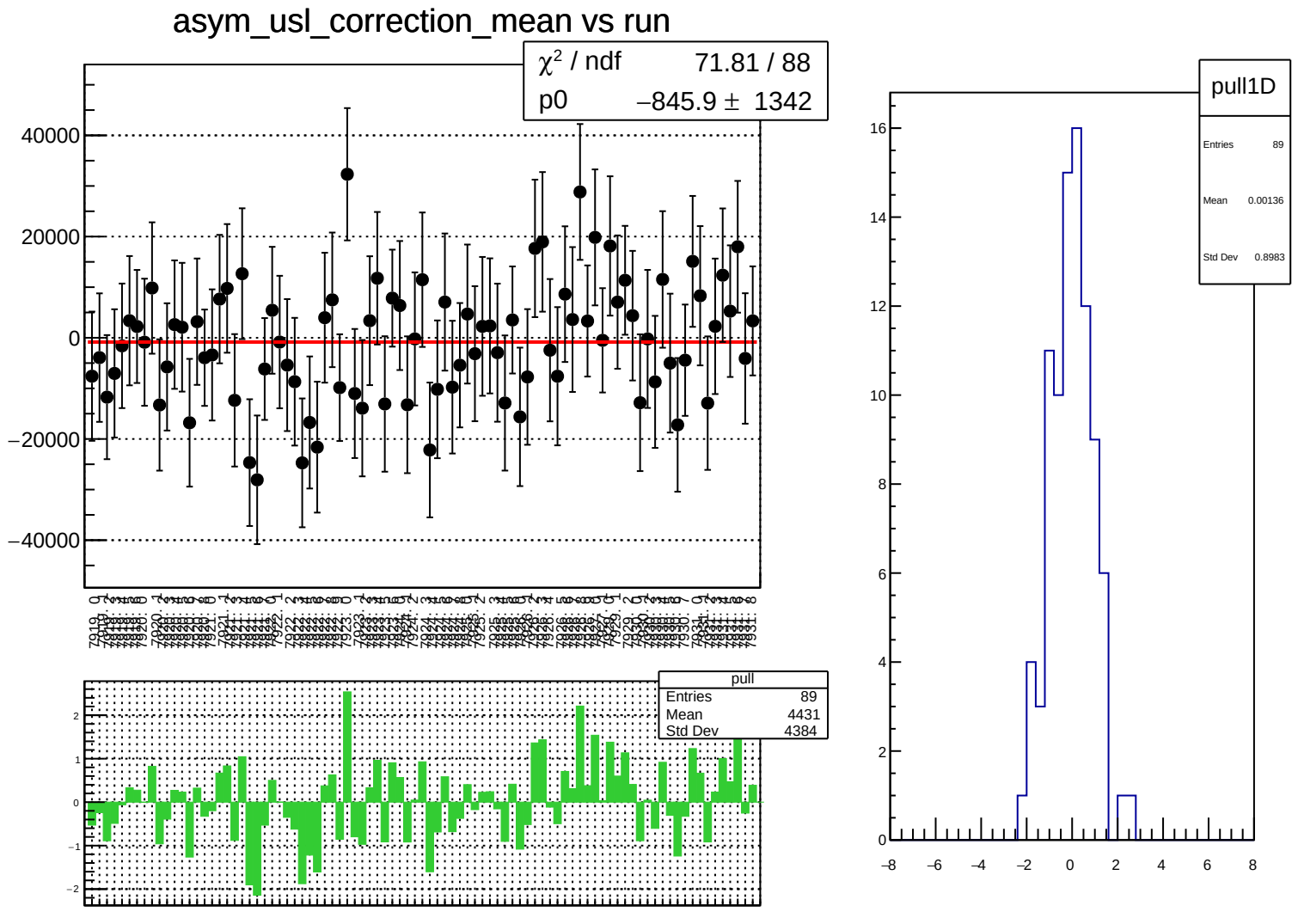

pull1D
Entries 89
Mean 0.007846
Std Dev 0.9867

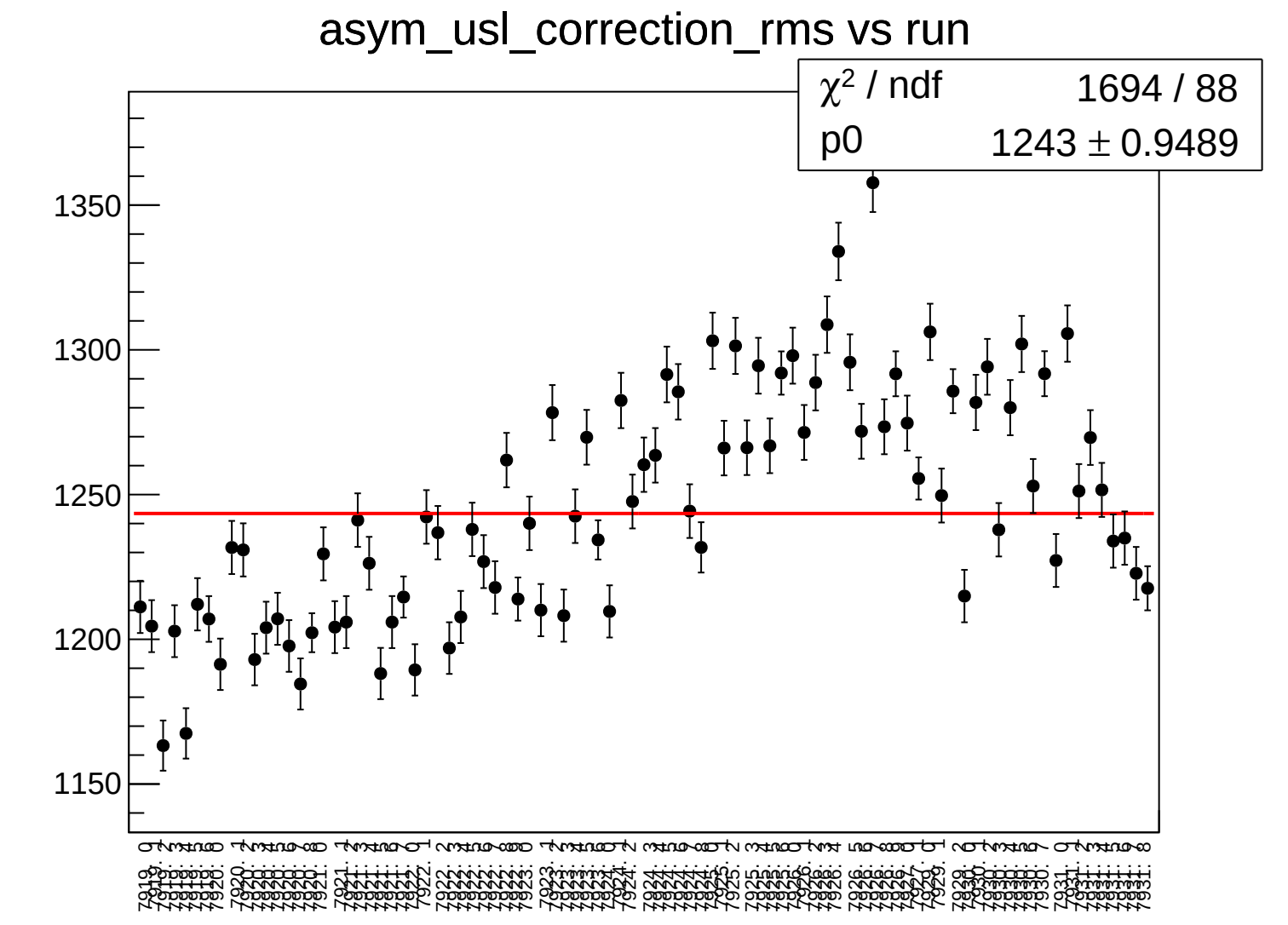

asym_us_dd_rms vs run
χ² / ndf 2409 / 88
p0 1768 ± 1.35
1950
1900
1850
1800
1750
1700
1650
1600

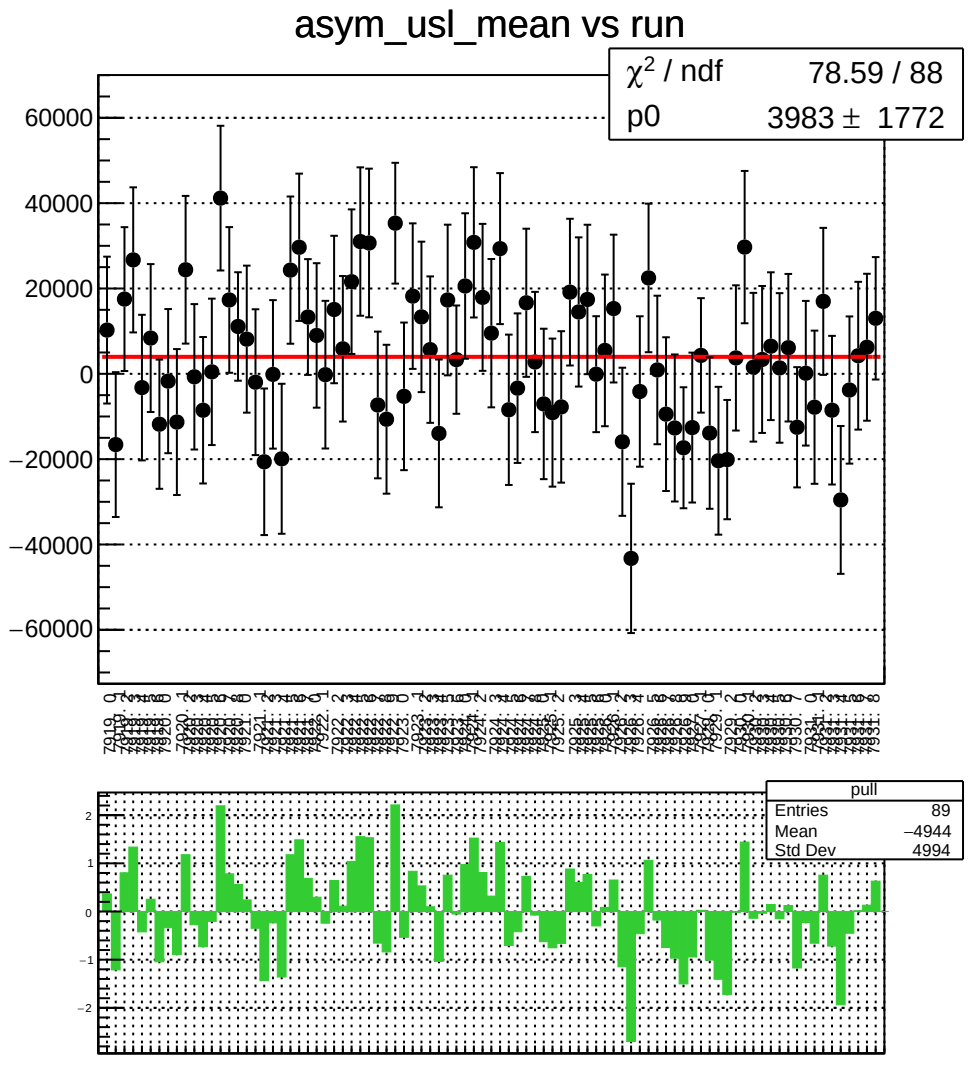

dit_asym_usl_mean vs run
χ² / ndf 95.29 / 88
p0 3212 ± 1175
pull
Entries 89
Mean −2.782e+04
Std Dev 2.789e+04

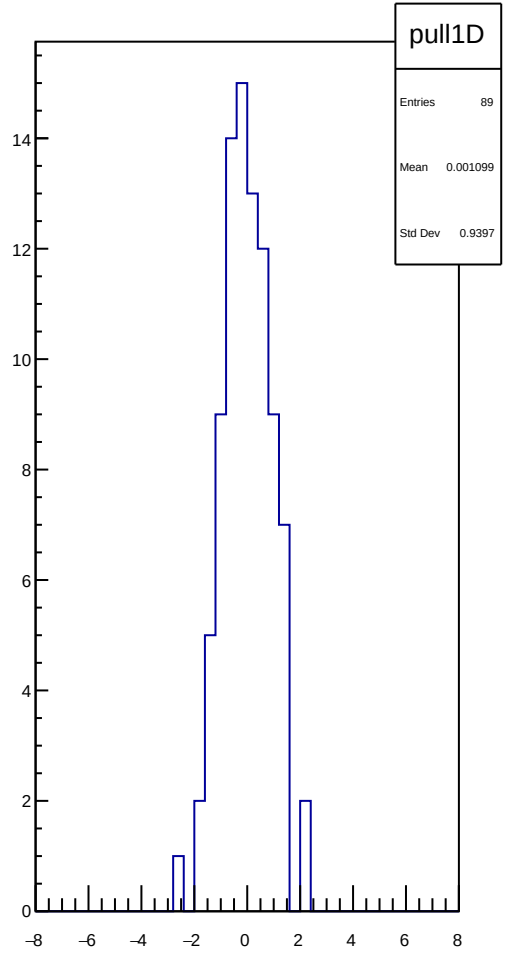

pull1D
Entries 89
Mean 5.445e−05
Std Dev 1.035

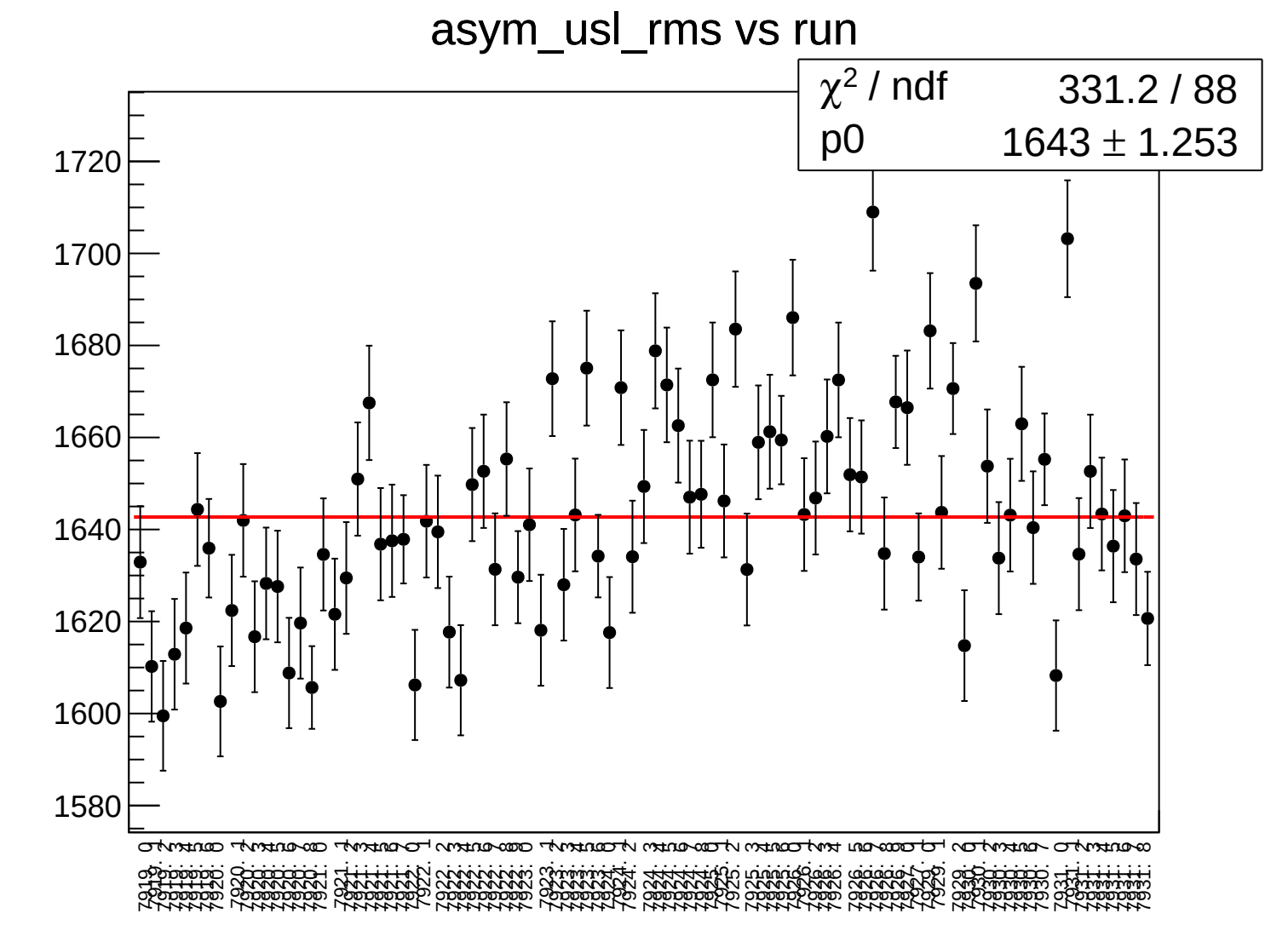

dit_asym_usl_rms vs run
χ² / ndf 79.53 / 88
p0 1090 ± 0.831
1110
1100
1090
1080
1070
1060

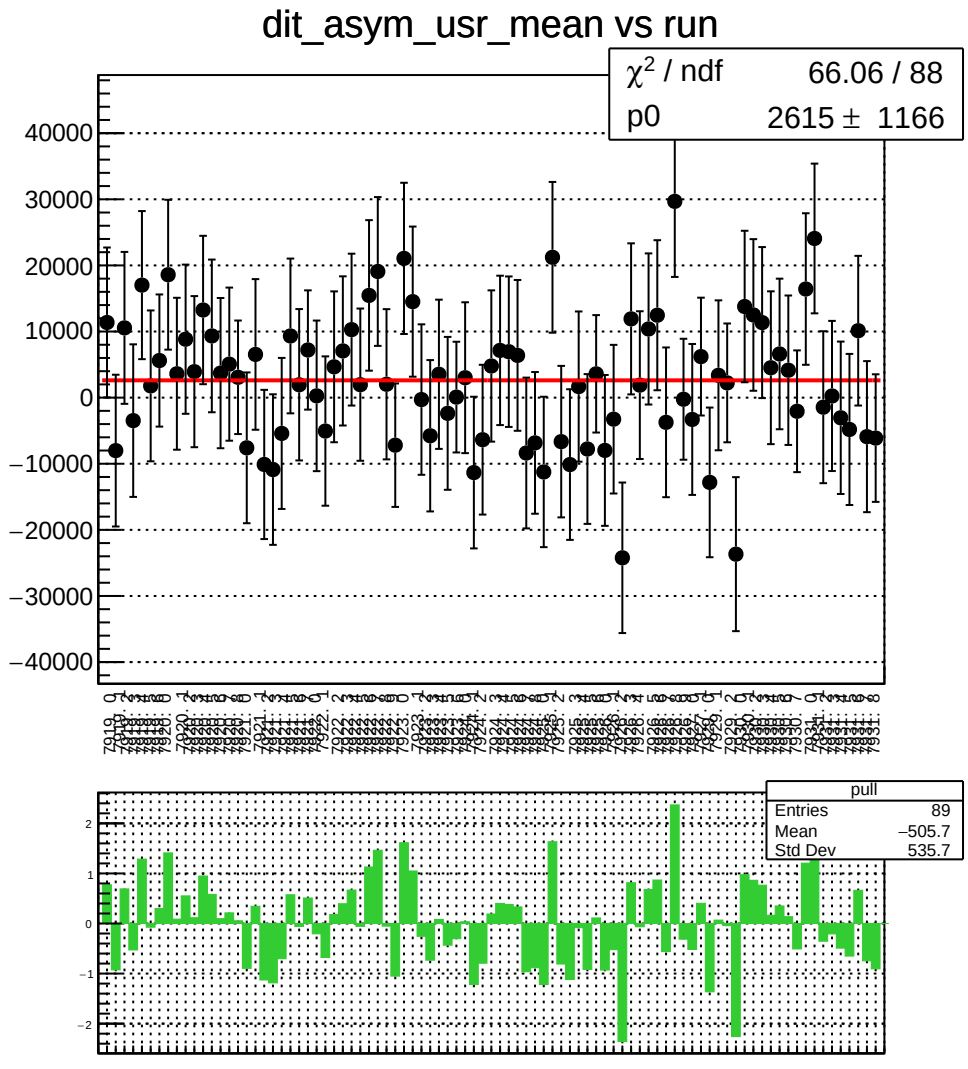

asym_usl_correction_mean vs run
χ² / ndf 71.81 / 88
p0 −845.9 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 89
Mean 4431
Std Dev 4384
pull1D
Entries 89
Mean 0.00136
Std Dev 0.8983

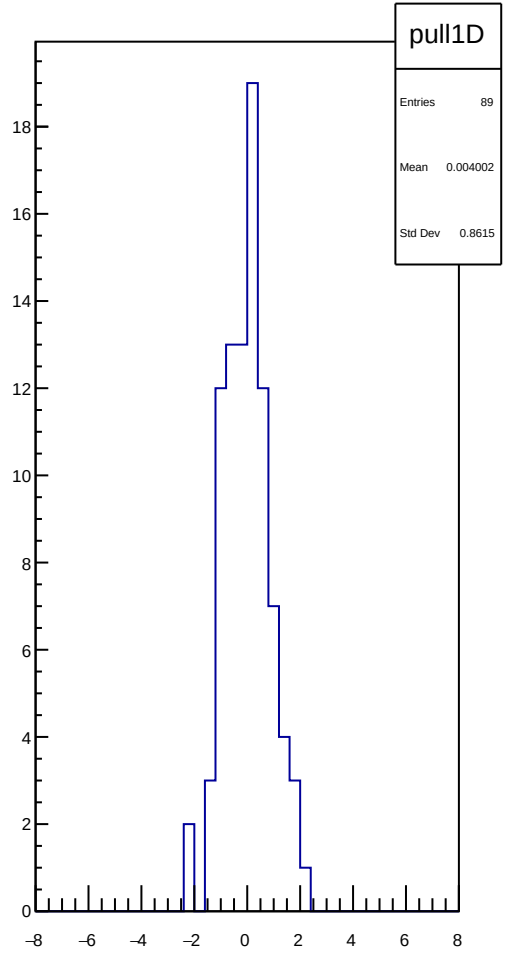

asym_usl_correction_rms vs run
χ² / ndf 1694 / 88
p0 1243 ± 0.9489
1350
1300
1250
1200
1150

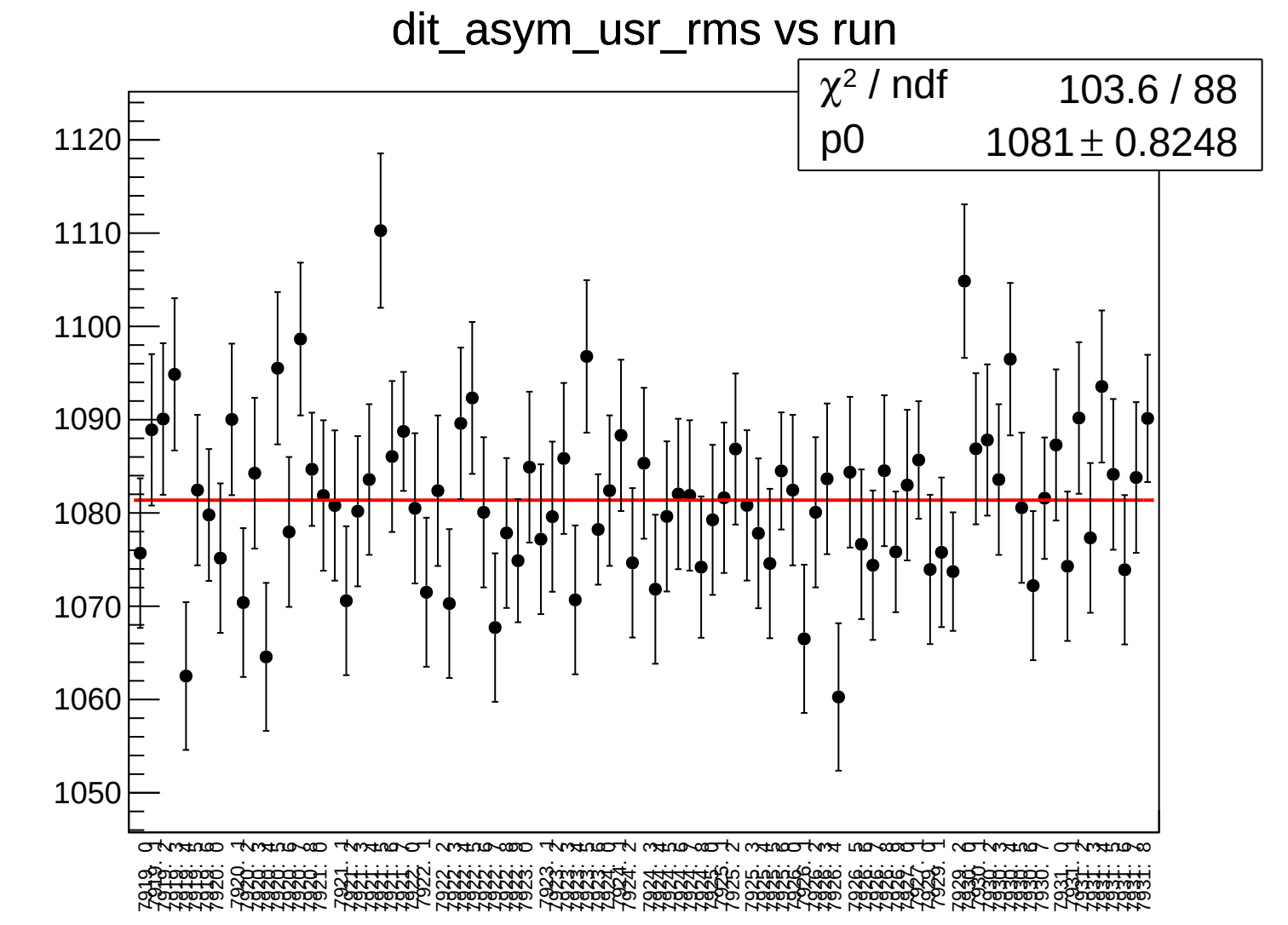

asym_usl_mean vs run
χ^2 / ndf 78.59 / 88
p0 3983 ± 1772
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −4944
Std Dev 4994
2
1
0
−1
−2

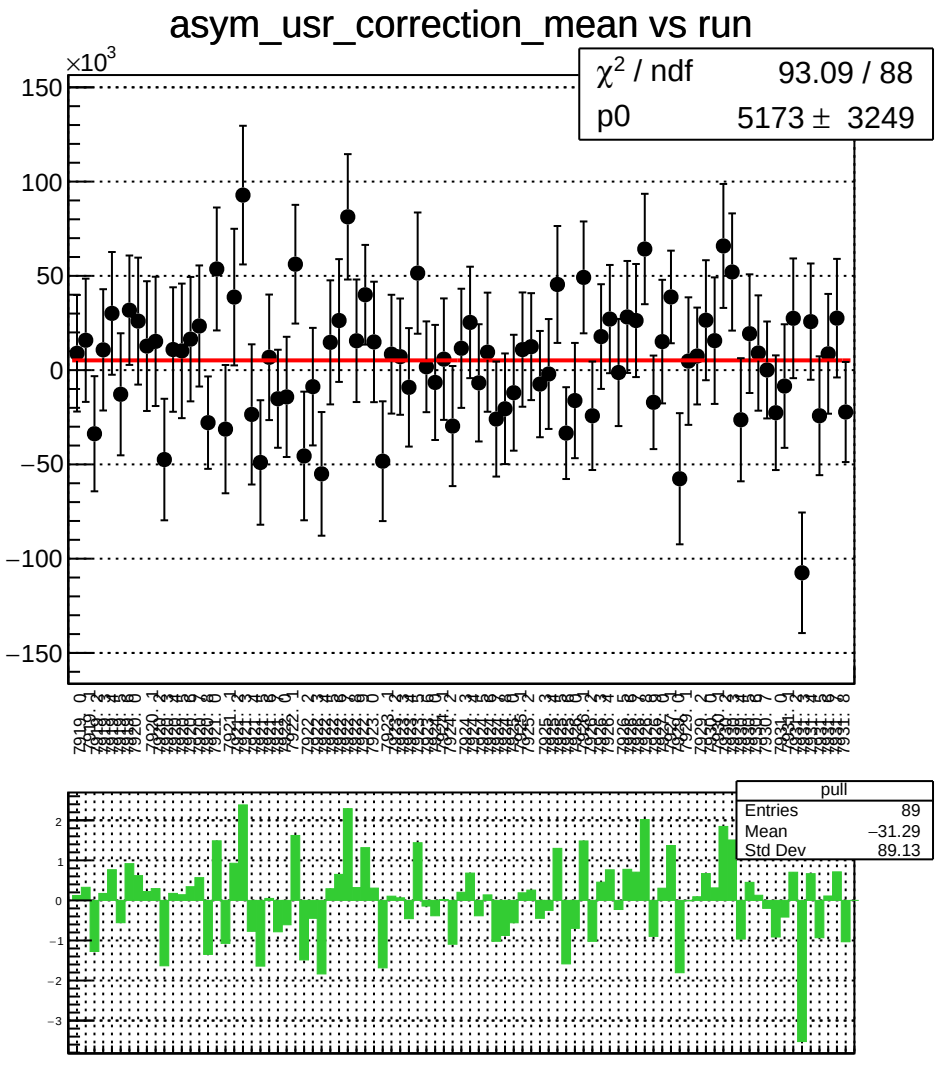

pull1D
Entries 89
Mean 0.001099
Std Dev 0.9397
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

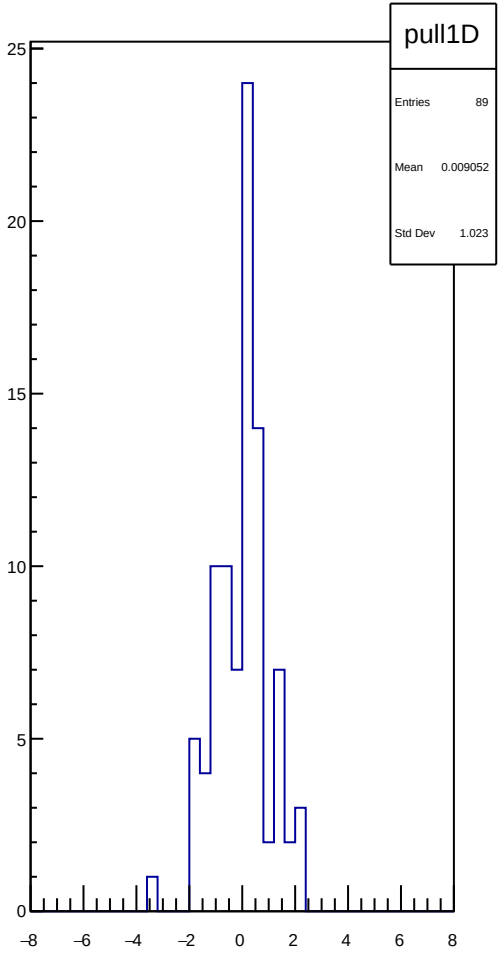

asym_usl_rms vs run
χ^2 / ndf 331.2 / 88
p0 1643 ± 1.253
1720
1700
1680
1660
1640
1620
1600
1580

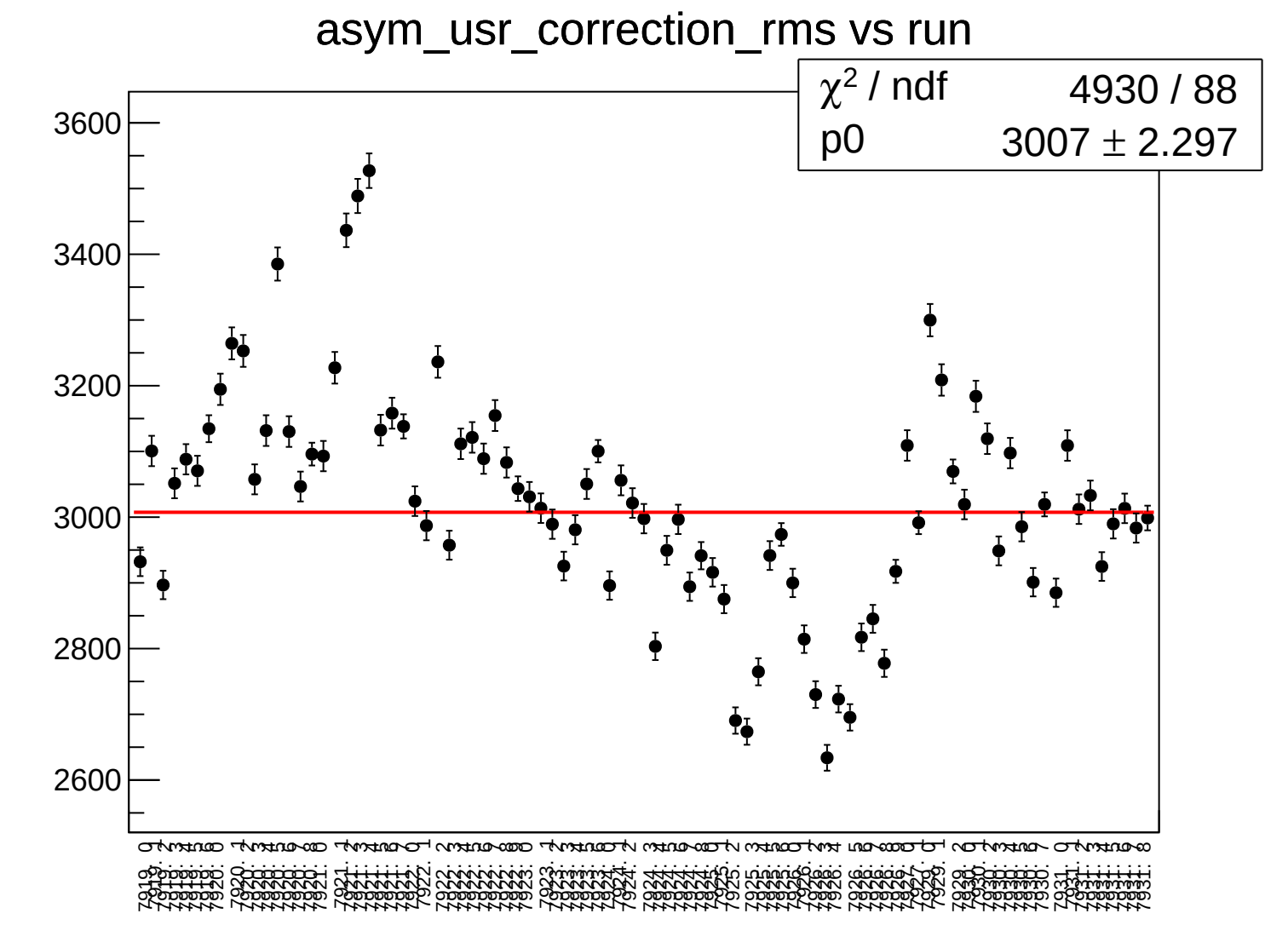

dit_asym_usr_mean vs run
χ² / ndf 66.06 / 88
p0 2615 ± 1166
pull
Entries 89
Mean −505.7
Std Dev 535.7

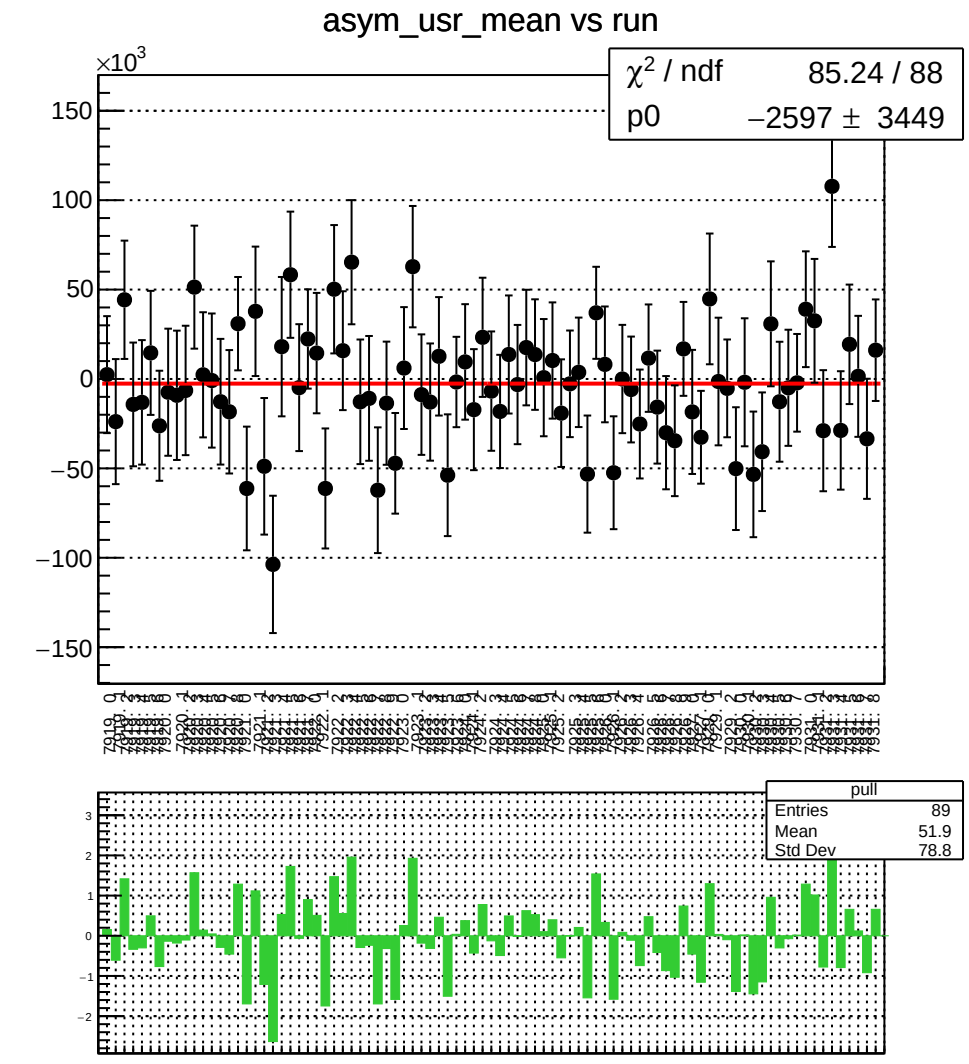

pull1D
Entries 89
Mean 0.004002
Std Dev 0.8615

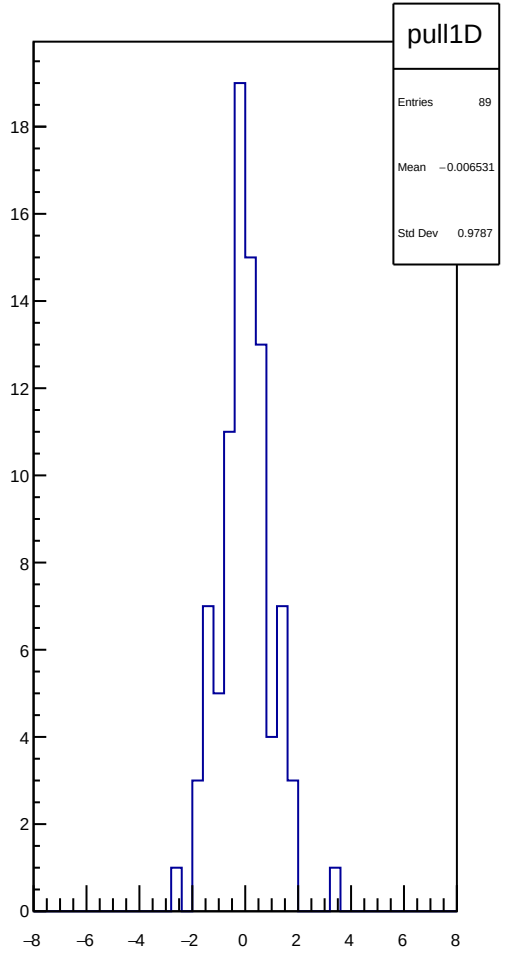

dit_asym_usr_rms vs run
χ² / ndf 103.6 / 88
p0 1081 ± 0.8248
1120
1110
1100
1090
1080
1070
1060
1050

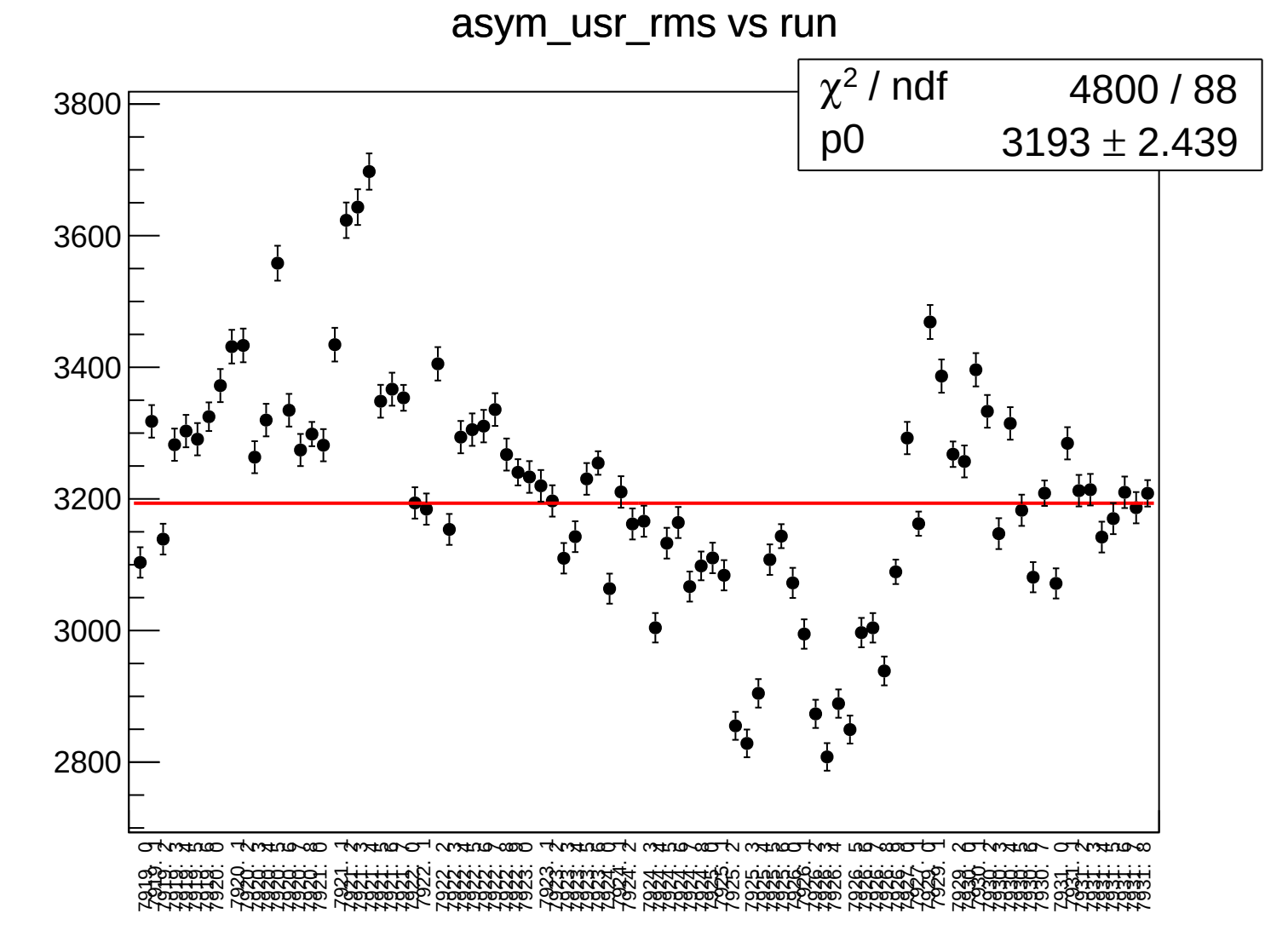

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 93.09 / 88
p0 5173 ± 3249
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −31.29
Std Dev 89.13
2
1
0
−1
−2
−3

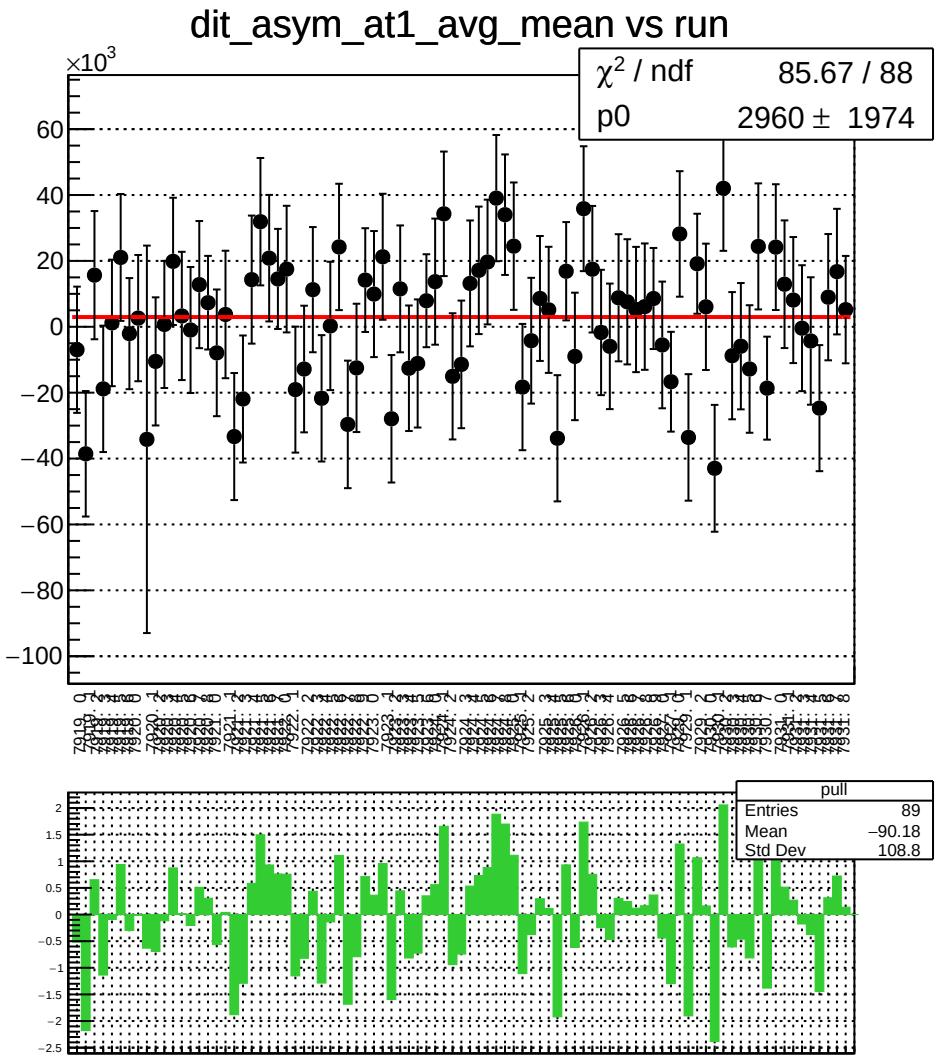

pull1D
Entries 89
Mean 0.009052
Std Dev 1.023
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

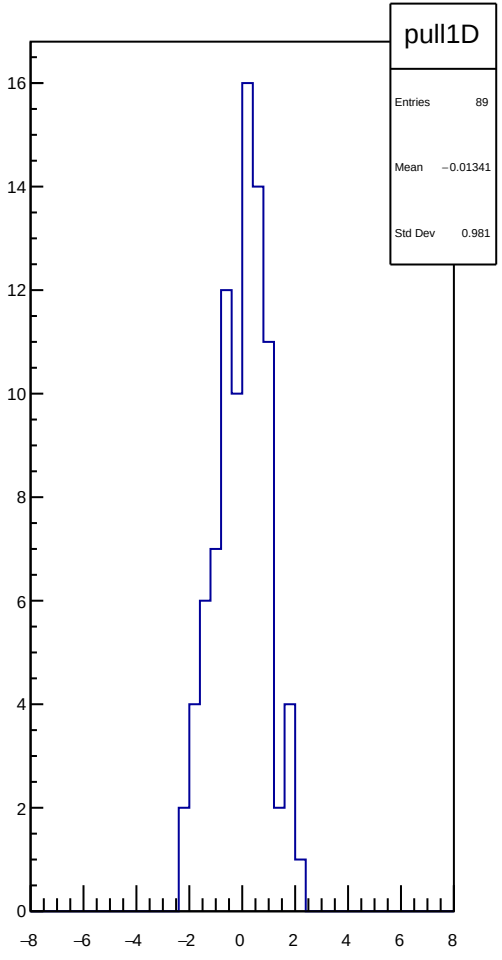

asym_usr_correction_rms vs run
χ² / ndf 4930 / 88
p0 3007 ± 2.297
3600
3400
3200
3000
2800
2600

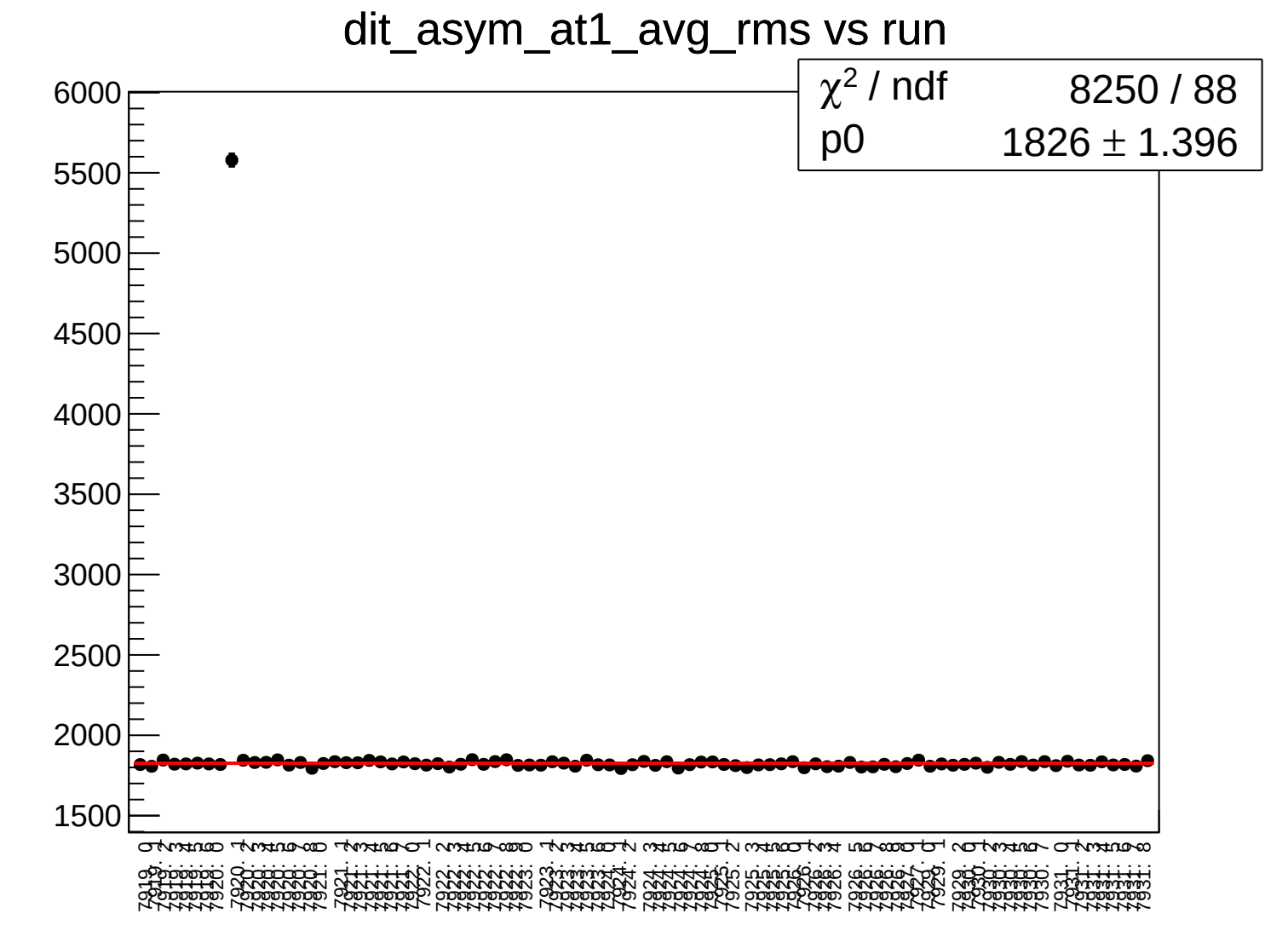

asym_usr_mean vs run
×10^3
χ² / ndf 85.24 / 88
p0 −2597 ± 3449
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 51.9
Std Dev 78.8
3
2
1
0
−1
−2

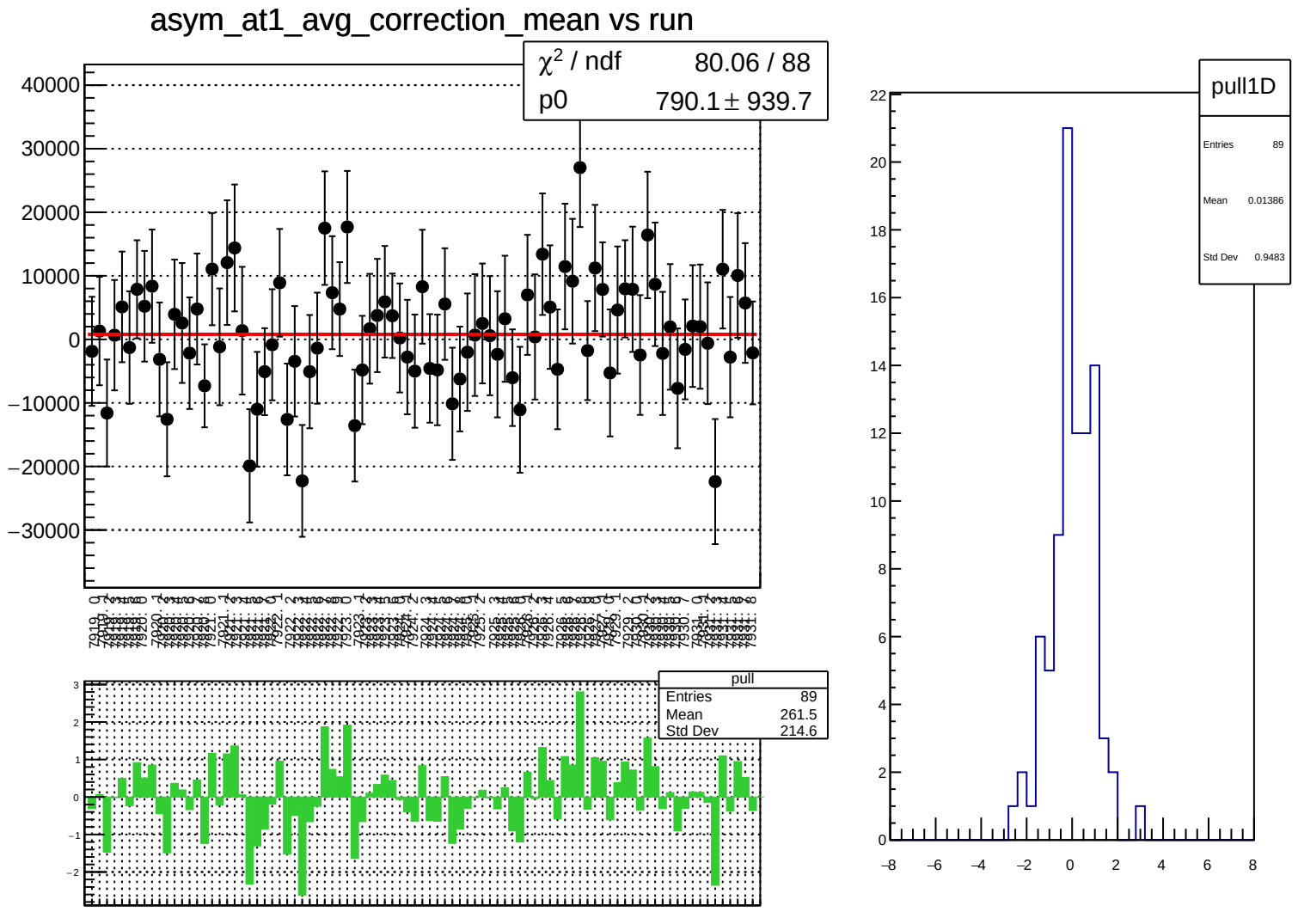

pull1D
Entries 89
Mean −0.006531
Std Dev 0.9787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

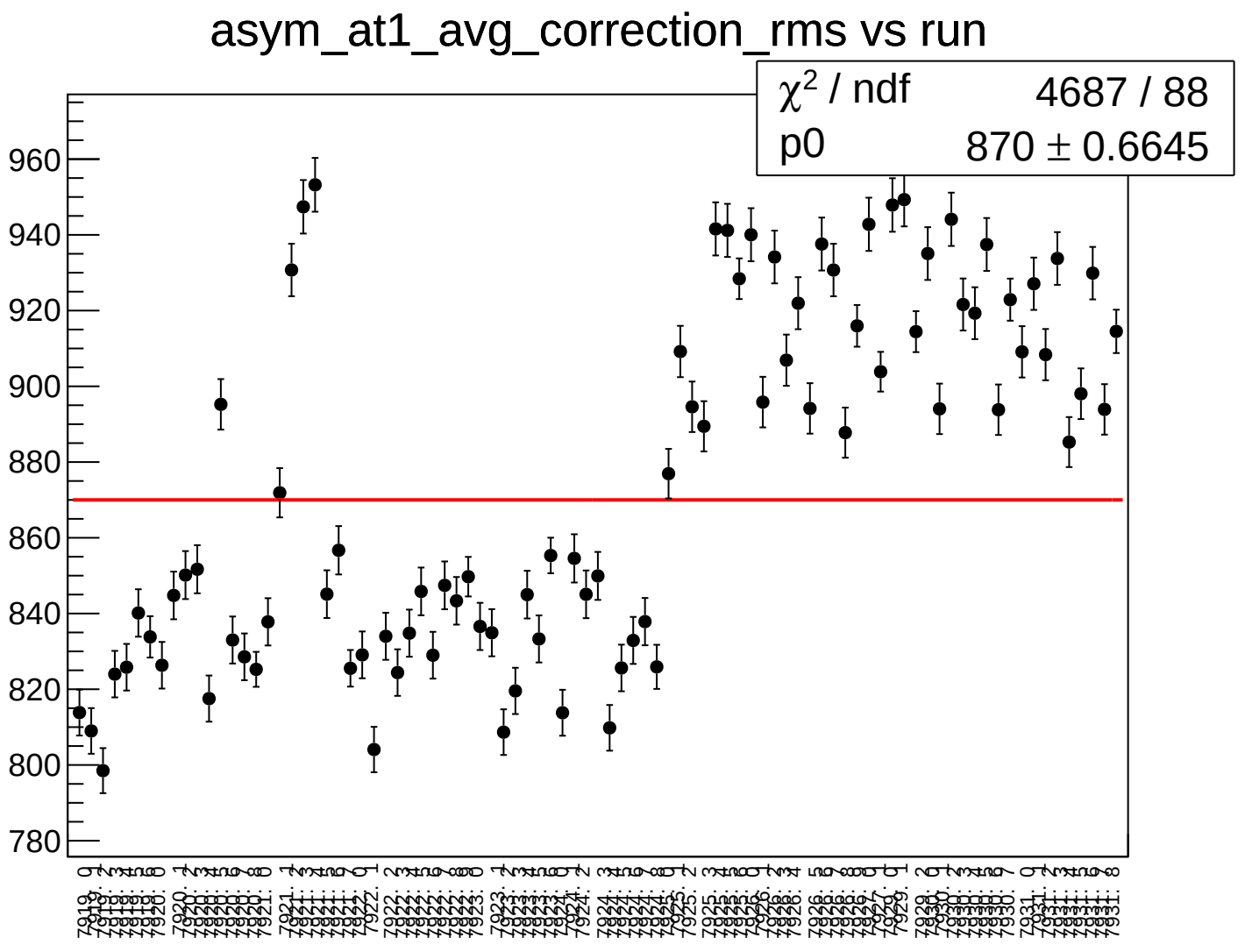

asym_usr_rms vs run
χ² / ndf 4800 / 88
p0 3193 ± 2.439
3800
3600
3400
3200
3000
2800

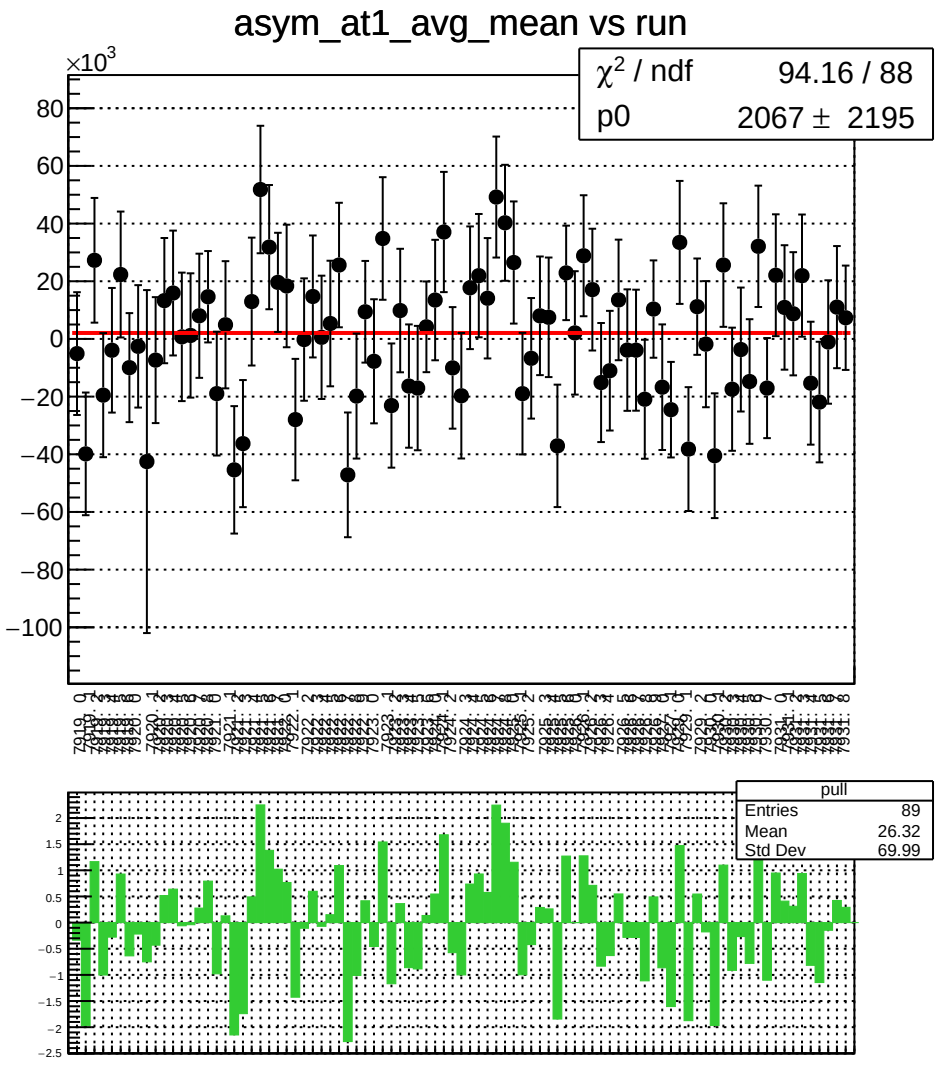

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 85.67 / 88
p0 2960 ± 1974
pull
Entries 89
Mean −90.18
Std Dev 108.8

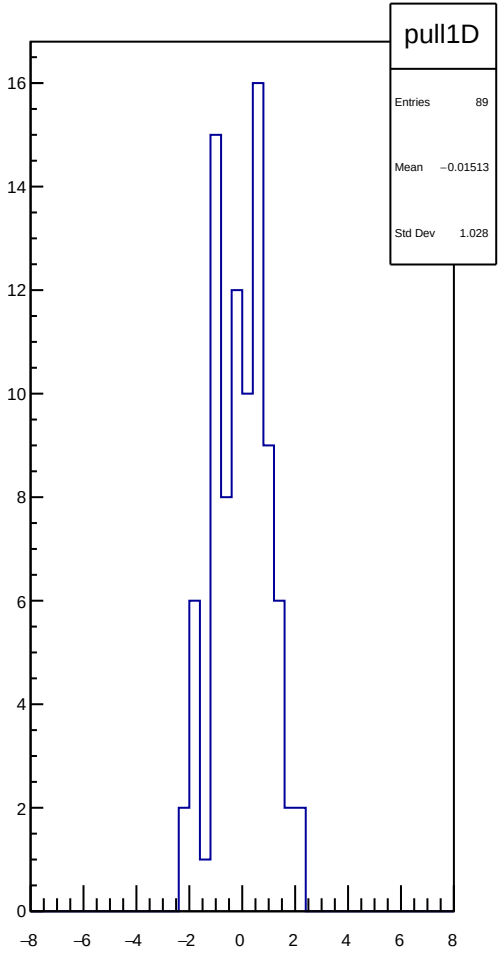

pull1D
Entries 89
Mean −0.01341
Std Dev 0.981

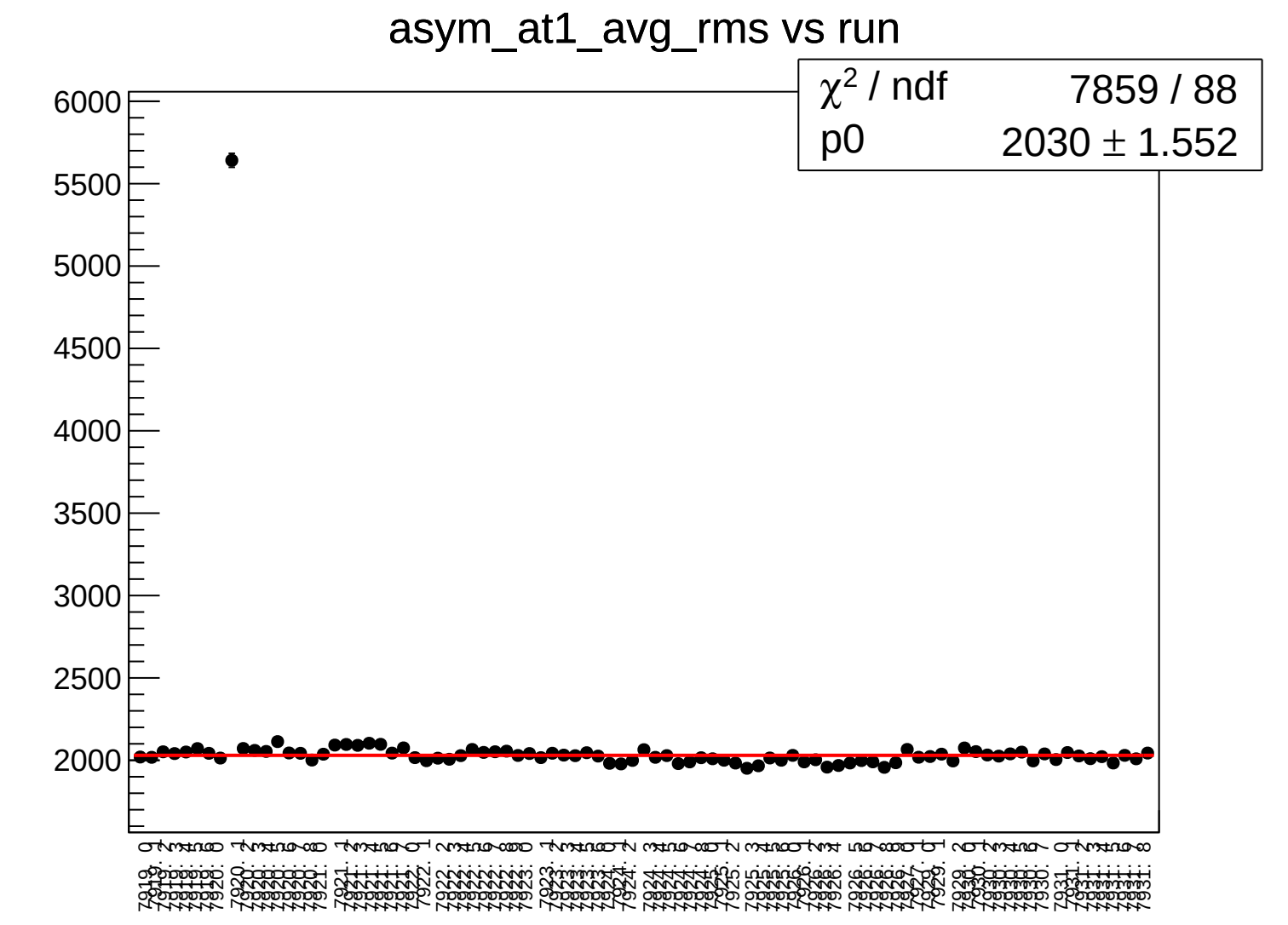

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8250 / 88
p0 1826 ± 1.396
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

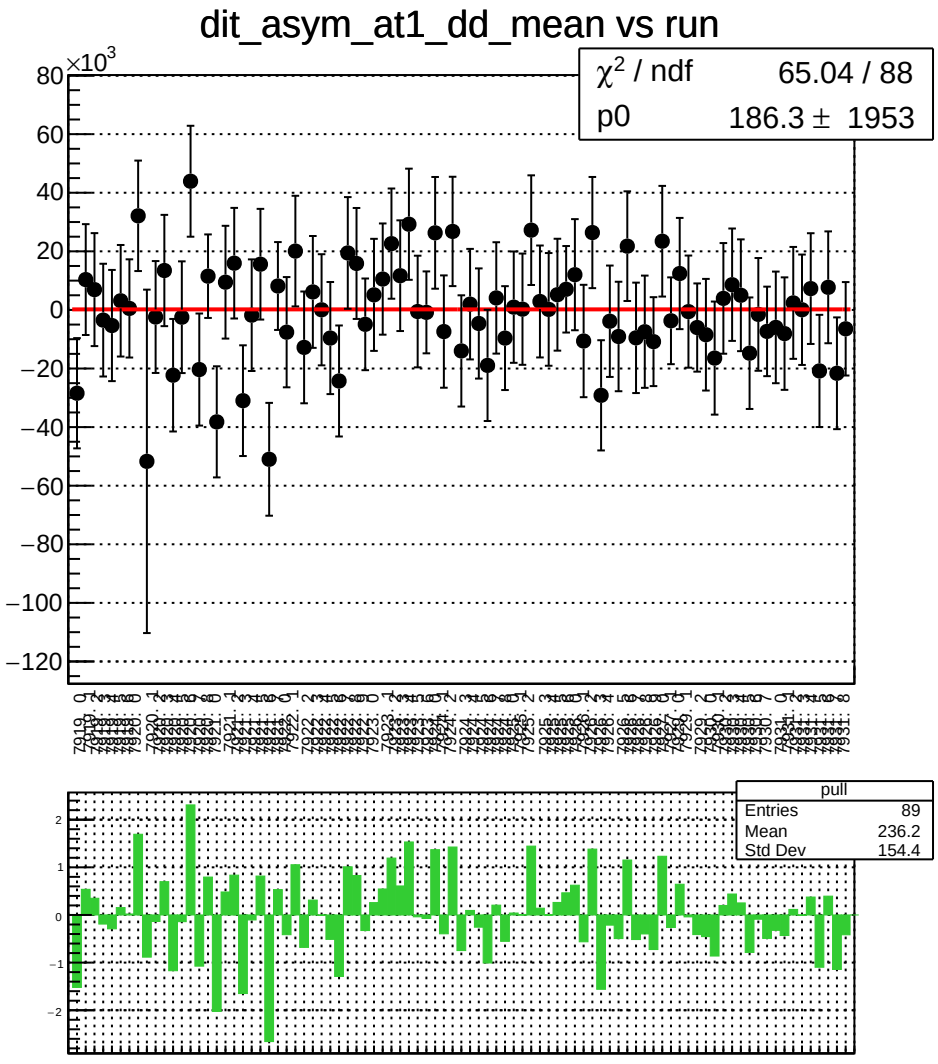

asym_at1_avg_correction_mean vs run
χ² / ndf 80.06 / 88
p0 790.1 ± 939.7
pull
Entries 89
Mean 261.5
Std Dev 214.6
pull1D
Entries 89
Mean 0.01386
Std Dev 0.9483

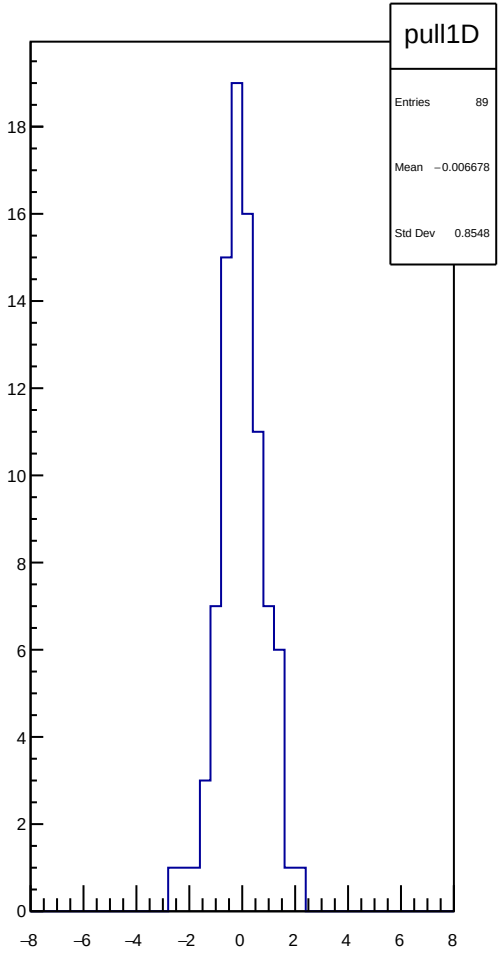

asym_at1_avg_correction_rms vs run
χ² / ndf 4687 / 88
p0 870 ± 0.6645
960
940
920
900
880
860
840
820
800
780

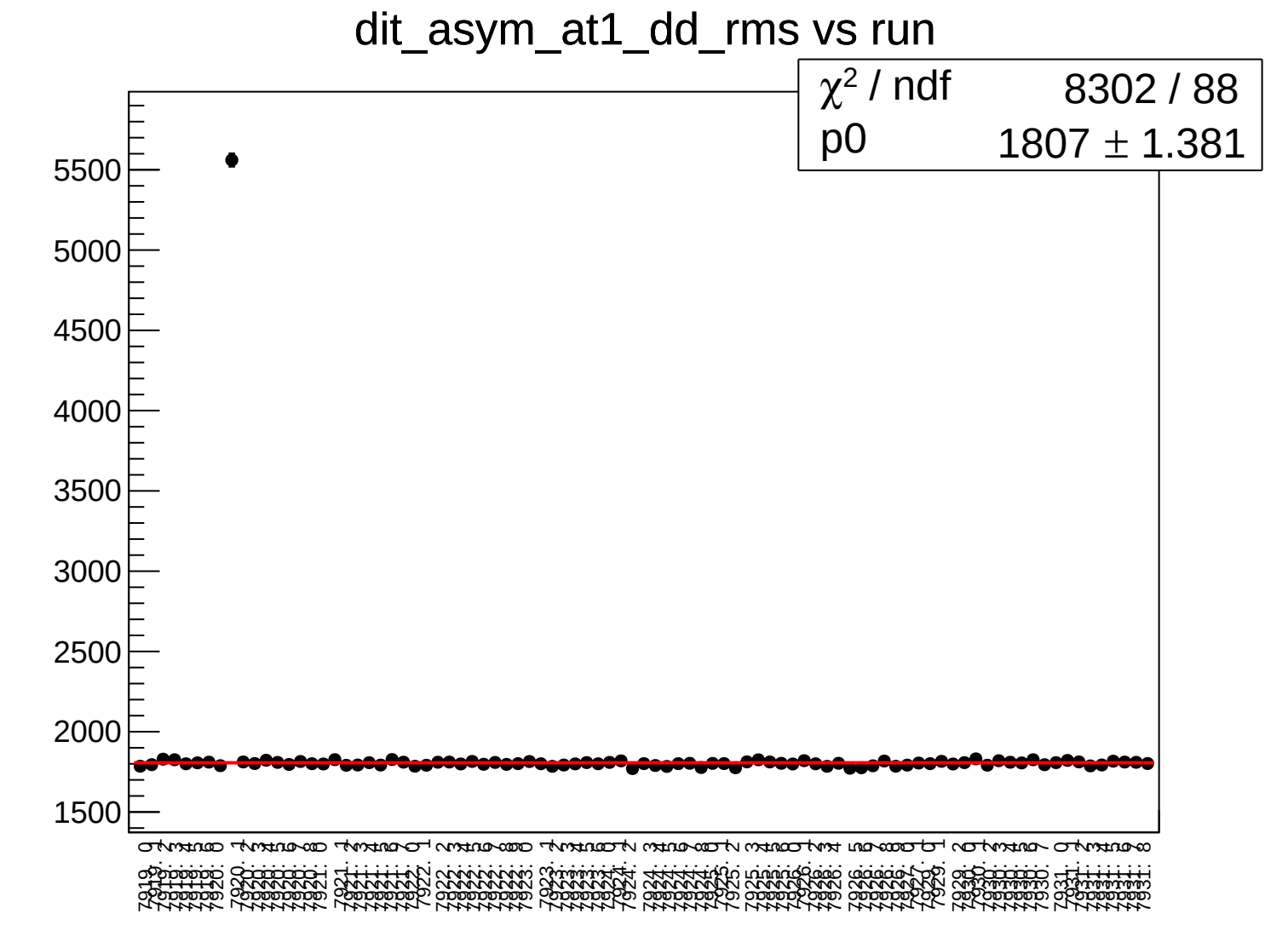

asym_at1_avg_mean vs run
χ^2 / ndf 94.16 / 88
p0 2067 ± 2195
×10^3
pull
Entries 89
Mean 26.32
Std Dev 69.99

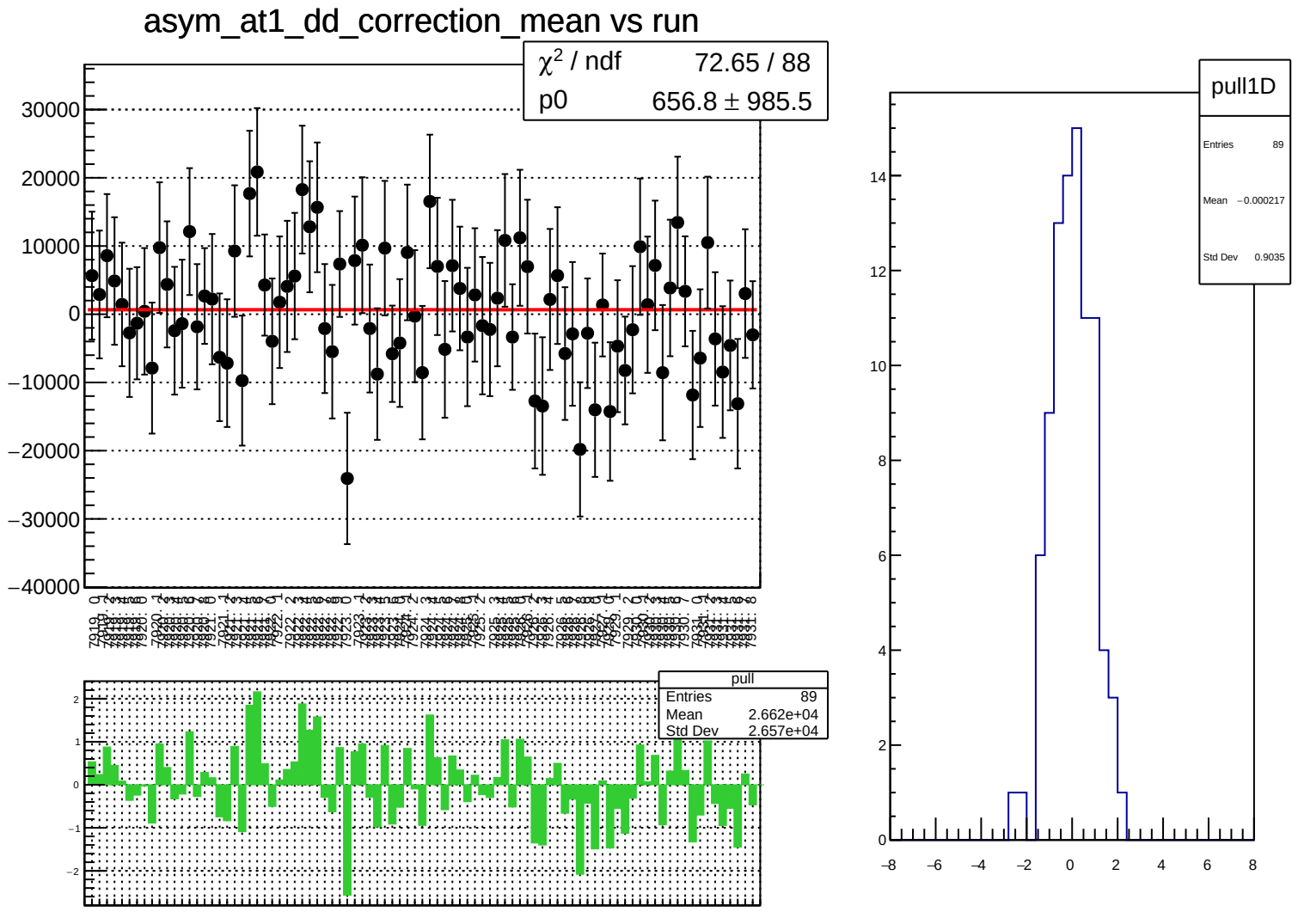

pull1D
Entries 89
Mean −0.01513
Std Dev 1.028

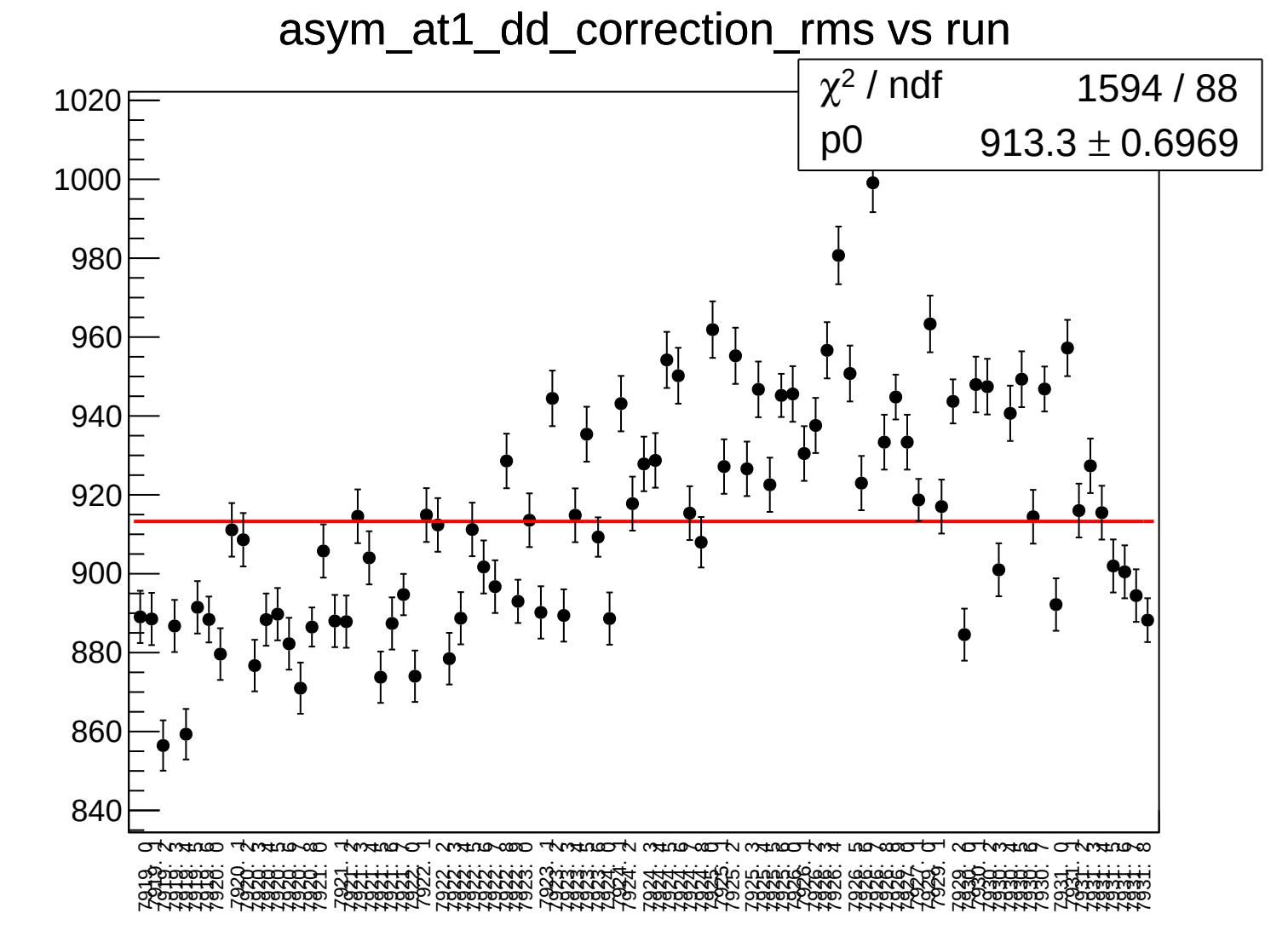

asym_at1_avg_rms vs run
χ^2 / ndf 7859 / 88
p0 2030 ± 1.552
6000
5500
5000
4500
4000
3500
3000
2500
2000

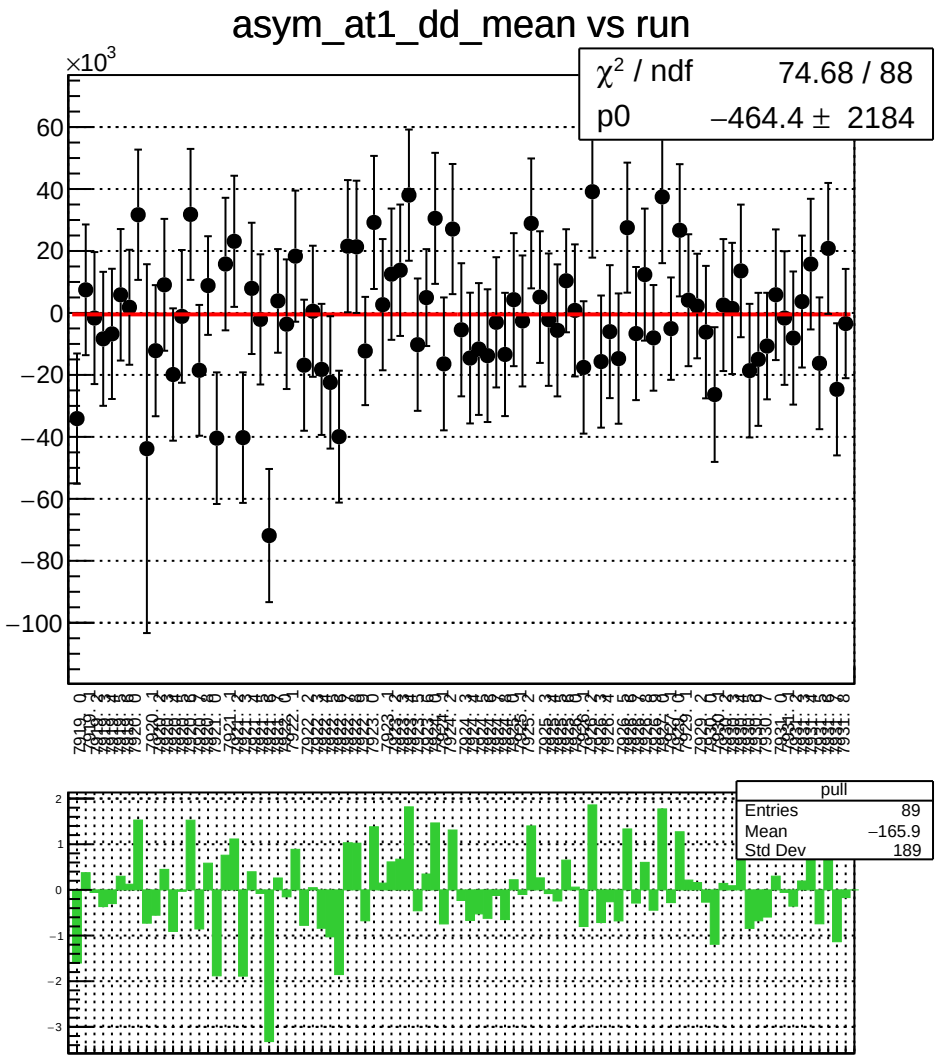

dit_asym_at1_dd_mean vs run
χ^2 / ndf 65.04 / 88
p0 186.3 ± 1953
×10^3
pull
Entries 89
Mean 236.2
Std Dev 154.4

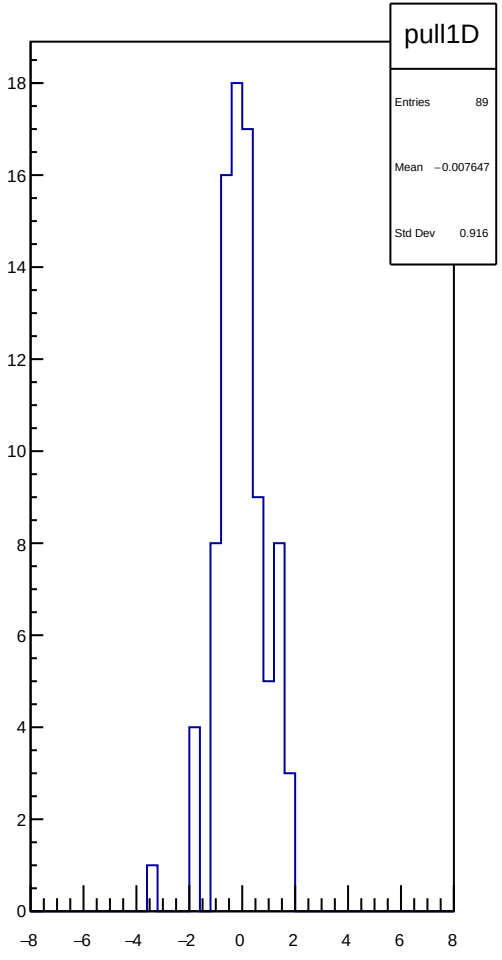

pull1D
Entries 89
Mean −0.006678
Std Dev 0.8548

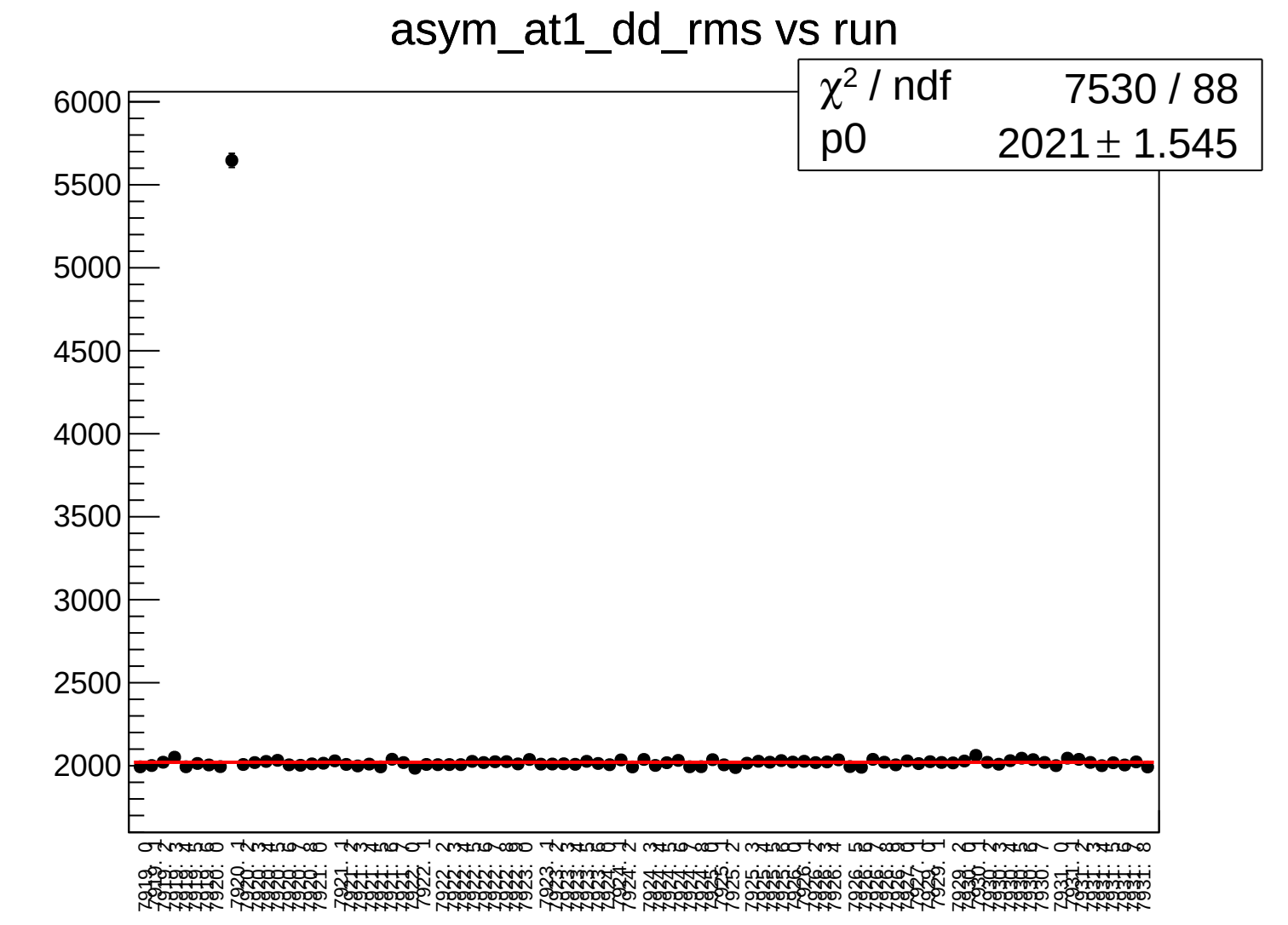

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8302 / 88
p0 1807 ± 1.381
5500
5000
4500
4000
3500
3000
2500
2000
1500

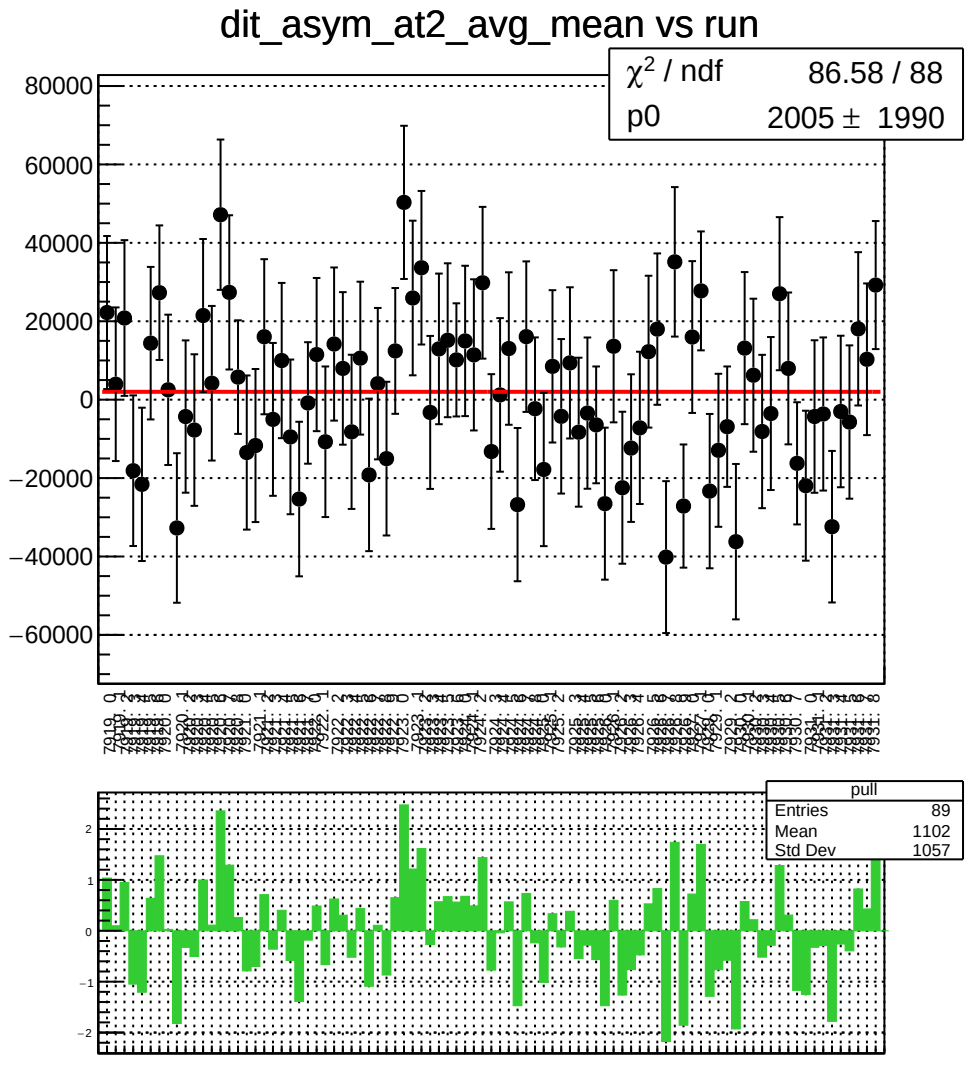

asym_at1_dd_correction_mean vs run
χ² / ndf 72.65 / 88
p0 656.8 ± 985.5
pull
Entries 89
Mean 2.662e+04
Std Dev 2.657e+04
pull1D
Entries 89
Mean −0.000217
Std Dev 0.9035

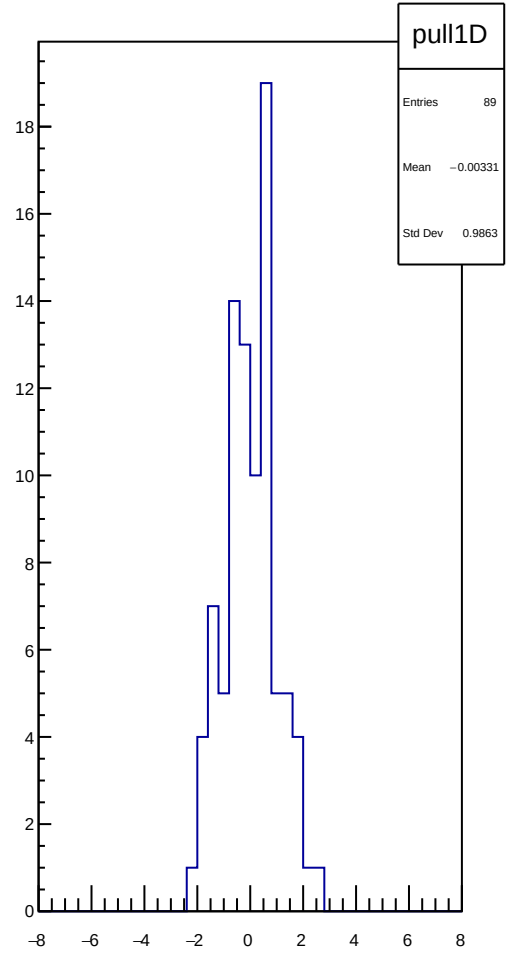

asym_at1_dd_correction_rms vs run
χ² / ndf 1594 / 88
p0 913.3 ± 0.6969
1020
1000
980
960
940
920
900
880
860
840

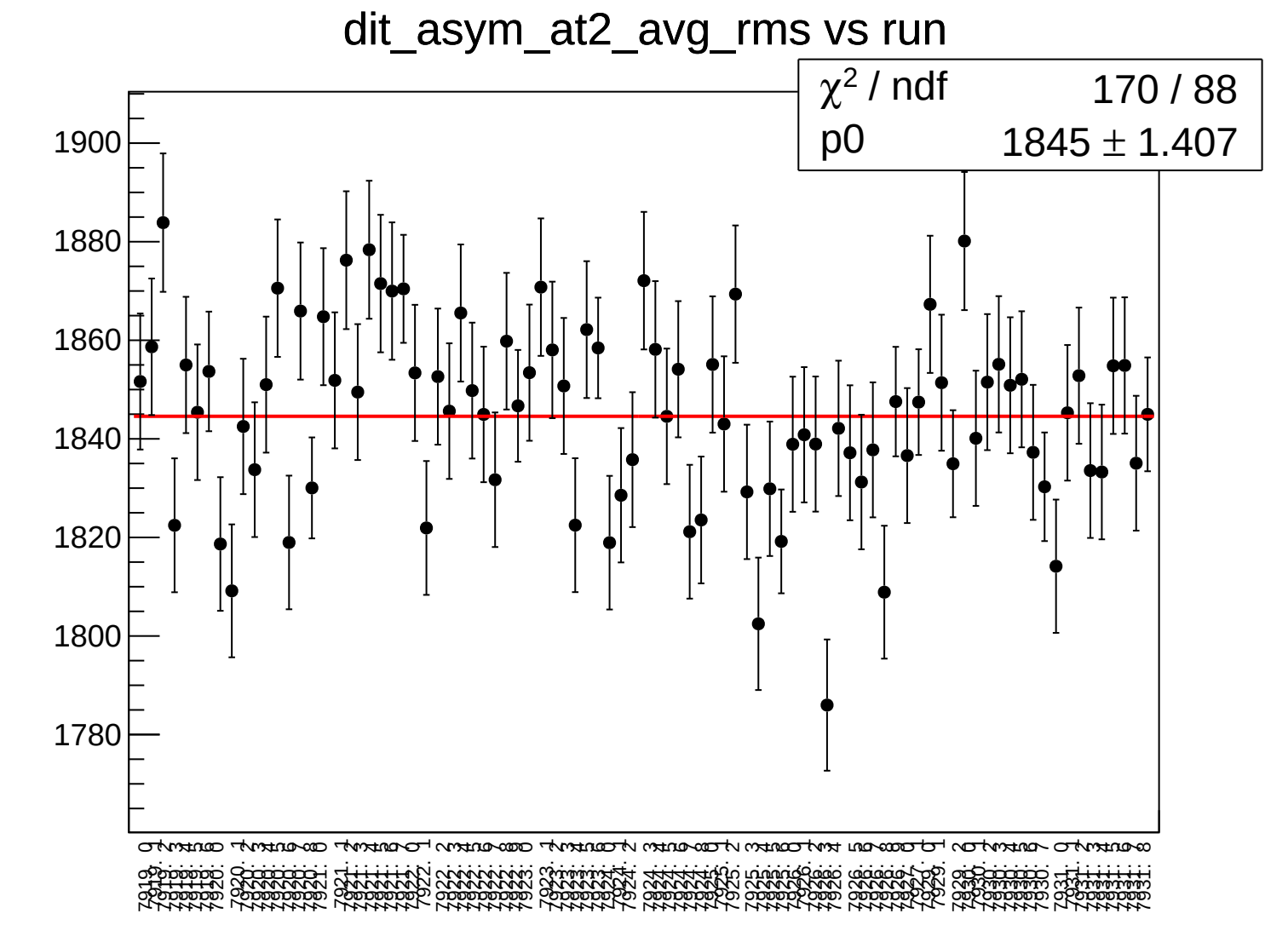

asym_at1_dd_mean vs run
×10^3
χ² / ndf 74.68 / 88
p0 −464.4 ± 2184
pull
Entries 89
Mean −165.9
Std Dev 189

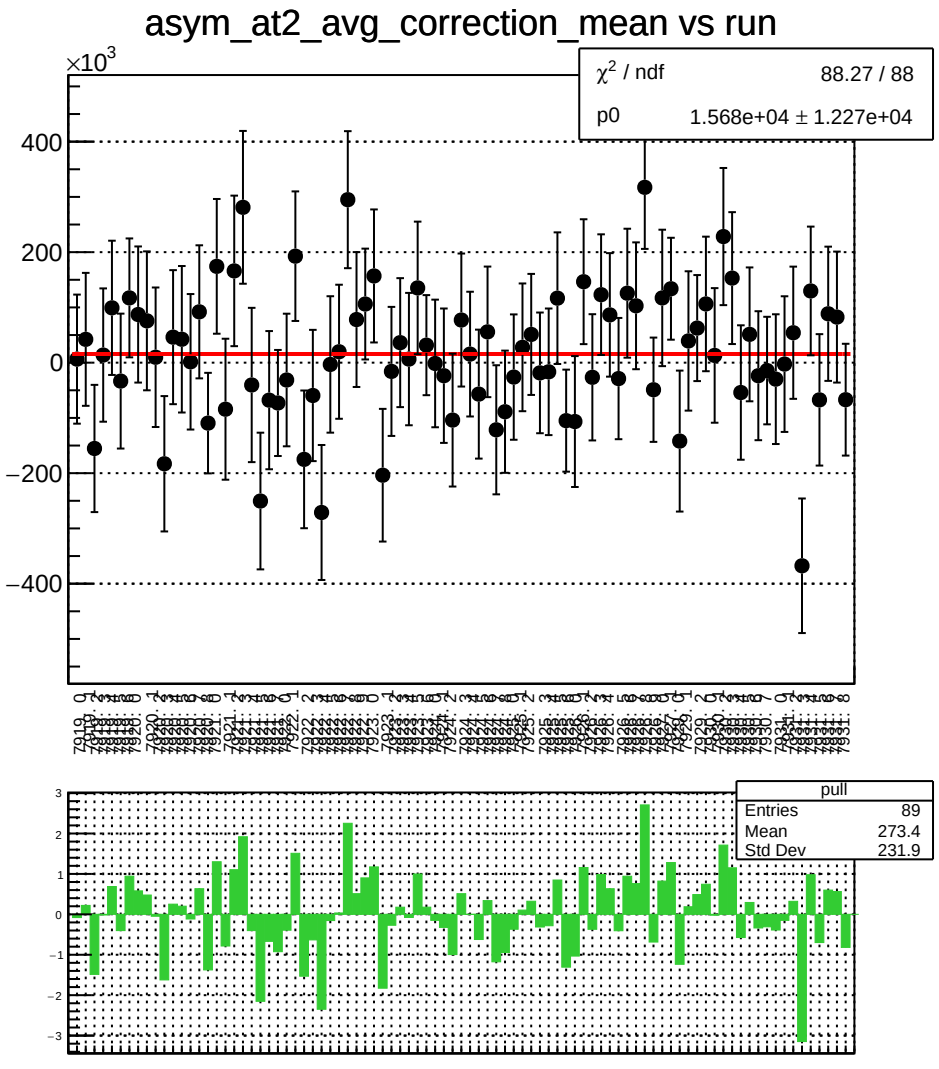

pull1D
Entries 89
Mean −0.007647
Std Dev 0.916

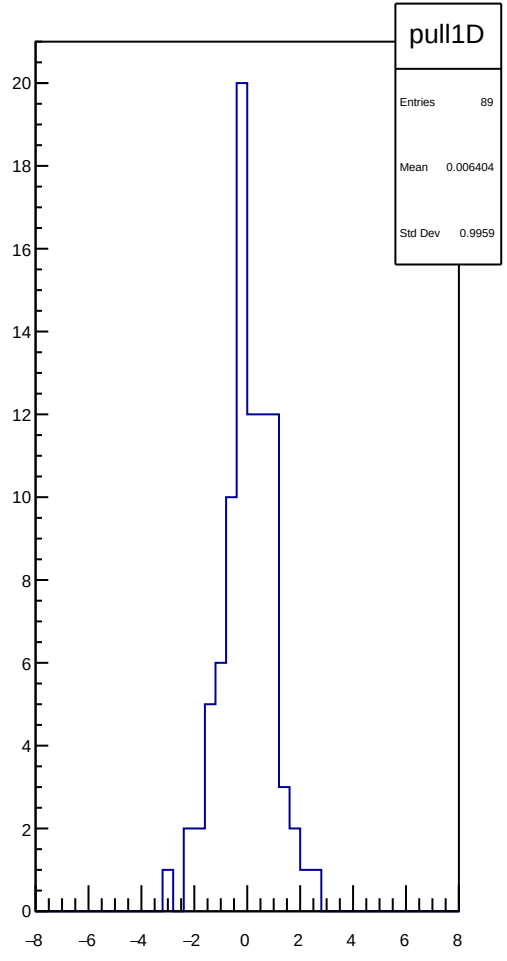

asym_at1_dd_rms vs run
χ^2 / ndf 7530 / 88
p0 2021 ± 1.545
6000
5500
5000
4500
4000
3500
3000
2500
2000

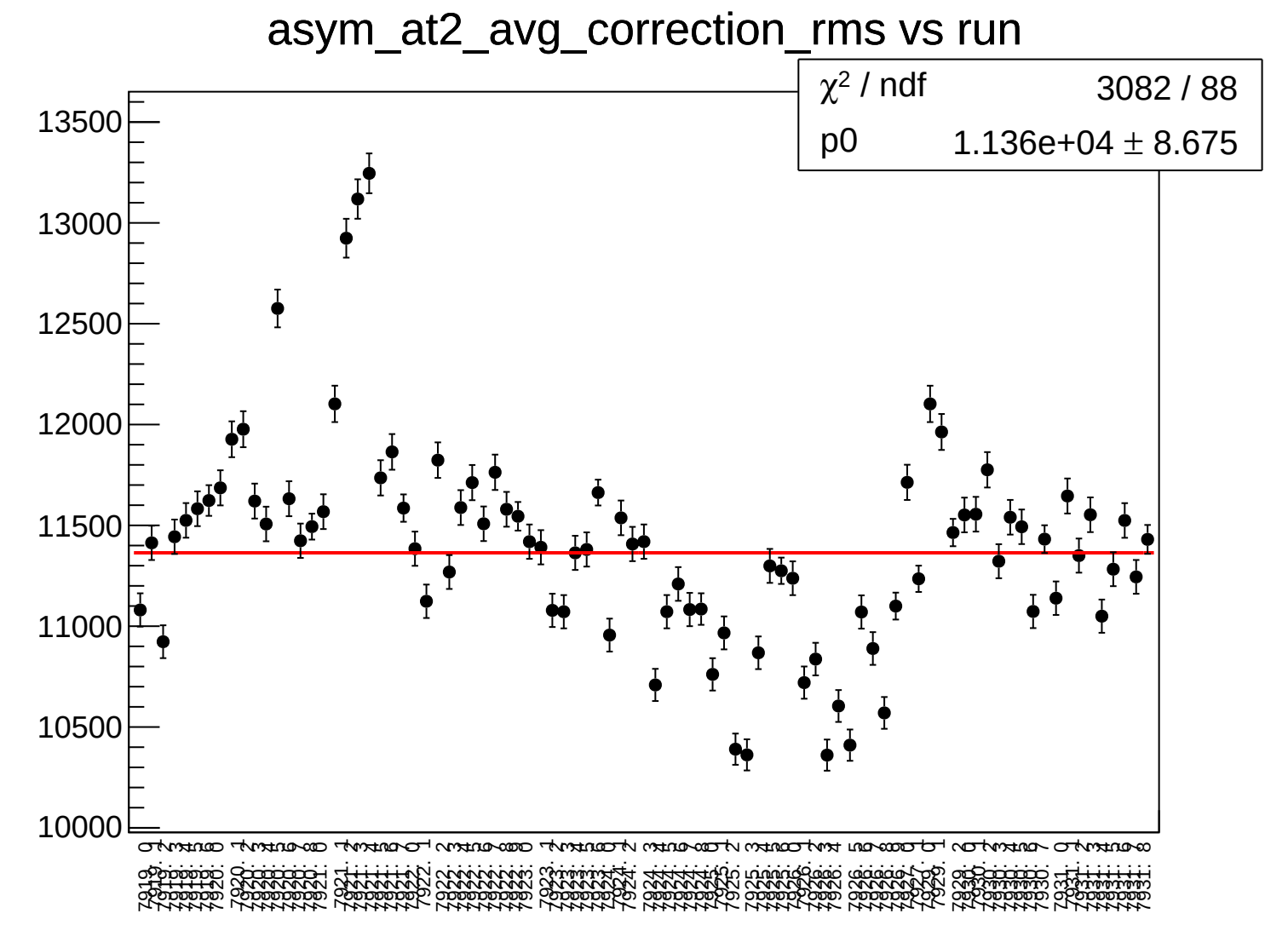

dit_asym_at2_avg_mean vs run
χ² / ndf 86.58 / 88
p0 2005 ± 1990
pull
Entries 89
Mean 1102
Std Dev 1057

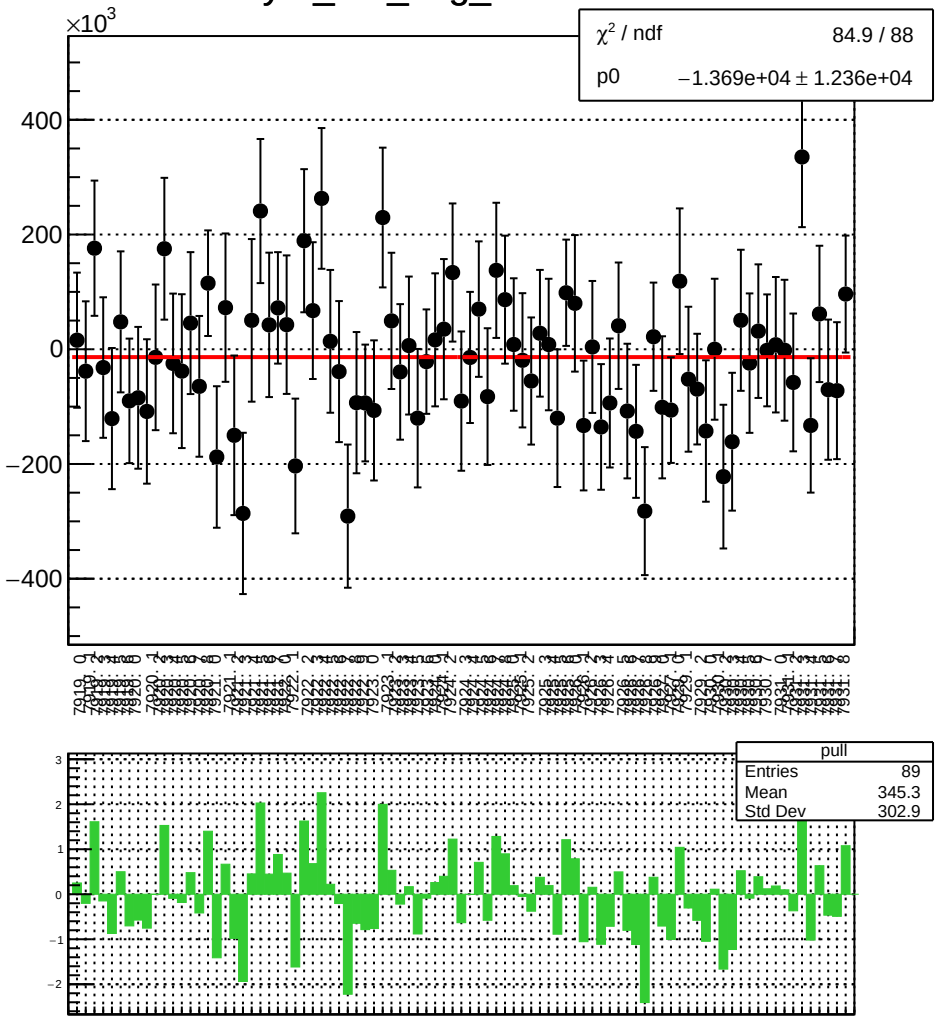

pull1D
Entries 89
Mean −0.00331
Std Dev 0.9863

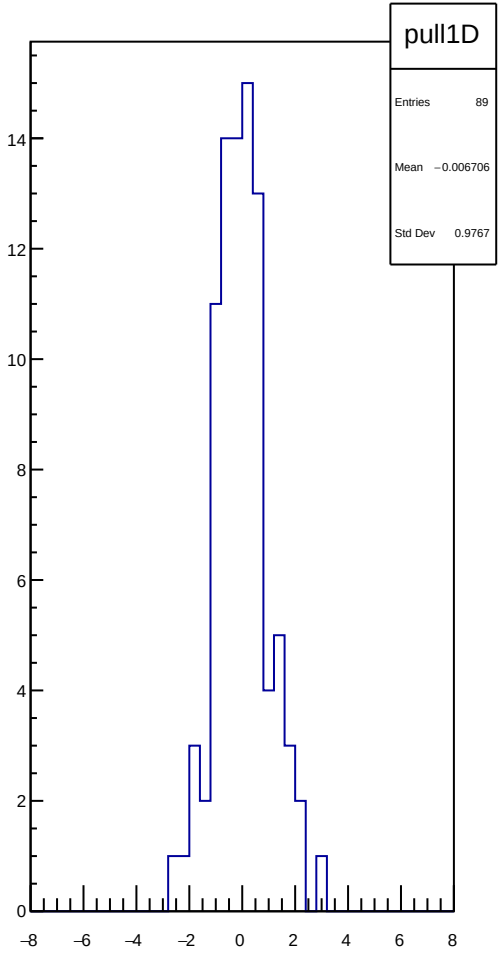

dit_asym_at2_avg_rms vs run
χ² / ndf 170 / 88
p0 1845 ± 1.407
1900
1880
1860
1840
1820
1800
1780

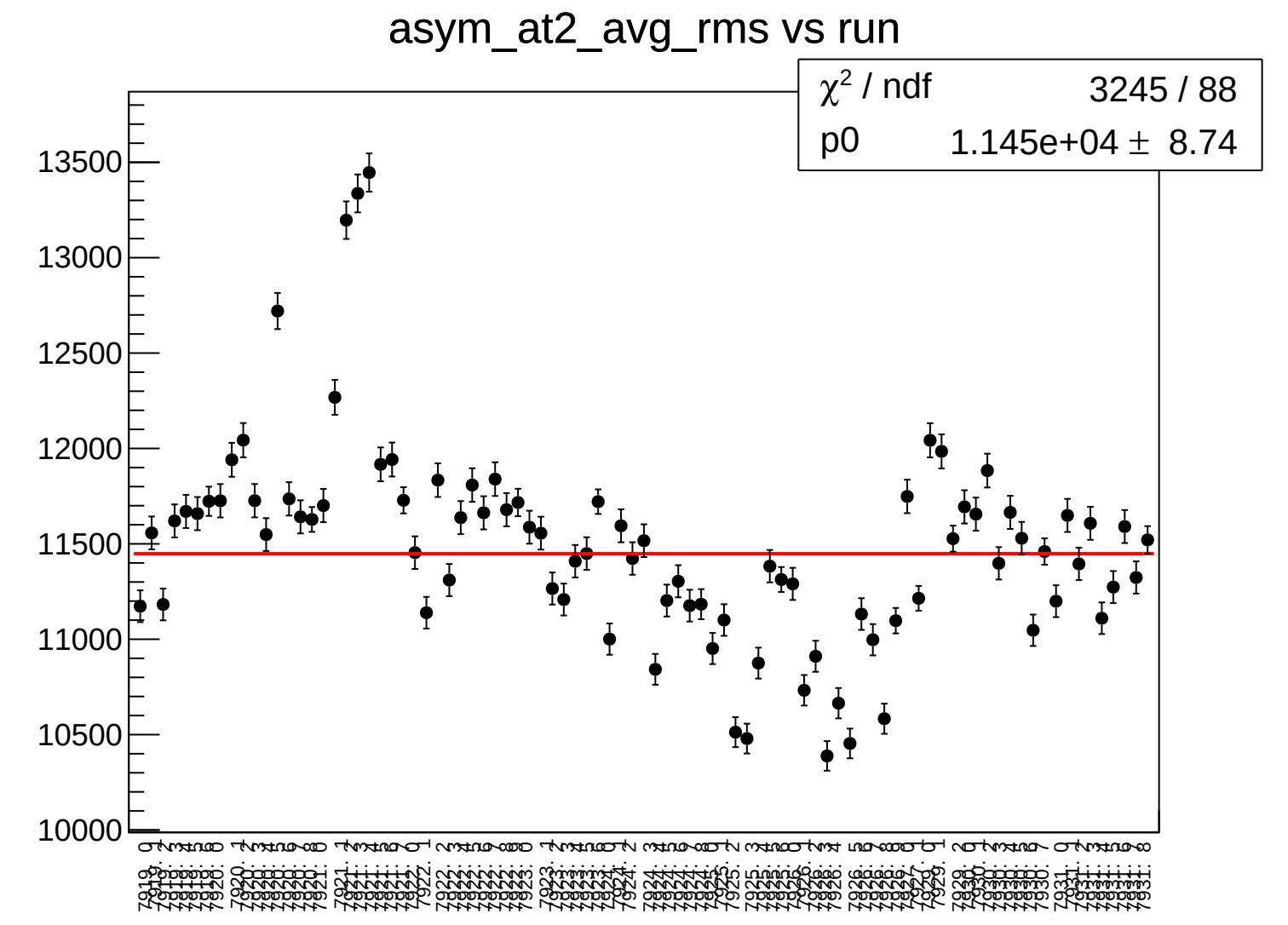

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 88.27 / 88
p0 1.568e+04 ± 1.227e+04
400
200
0
−200
−400
pull
Entries 89
Mean 273.4
Std Dev 231.9
3
2
1
0
−1
−2
−3

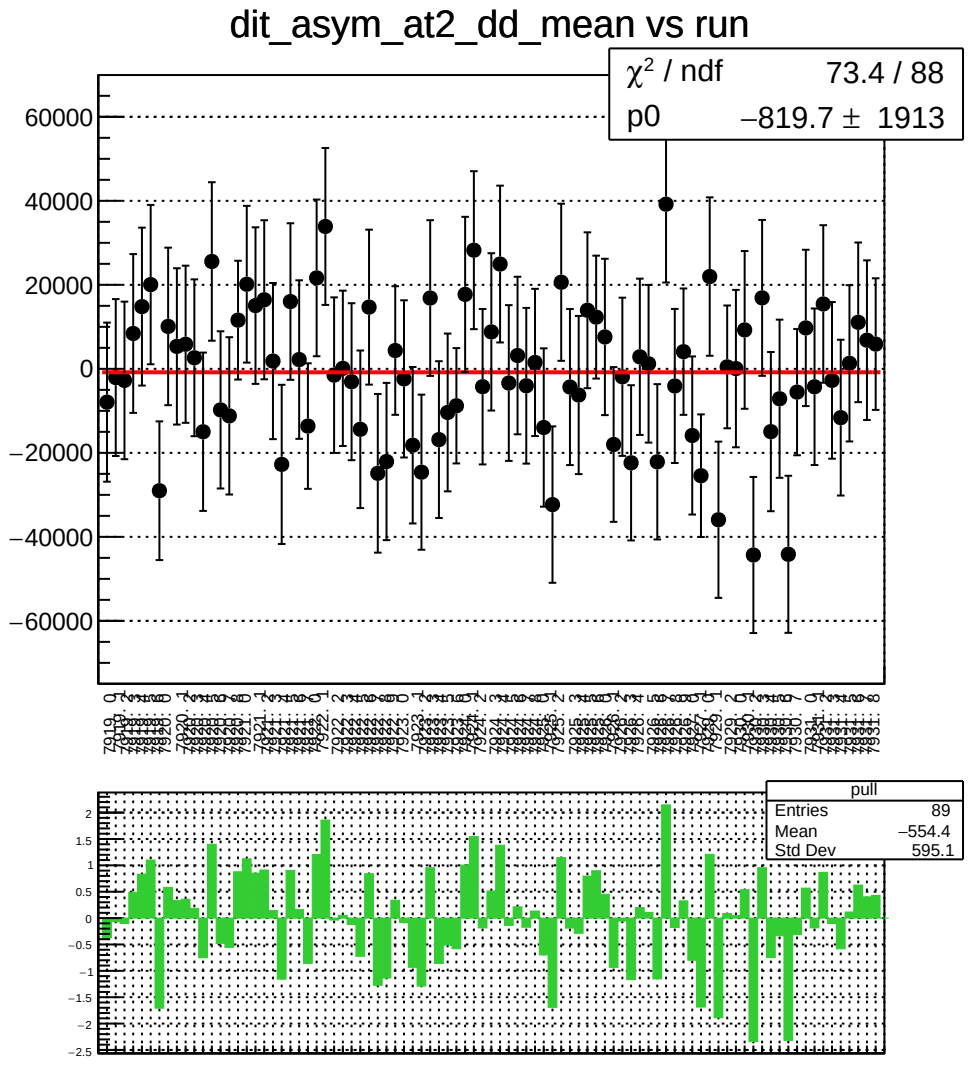

pull1D
Entries 89
Mean 0.006404
Std Dev 0.9959
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

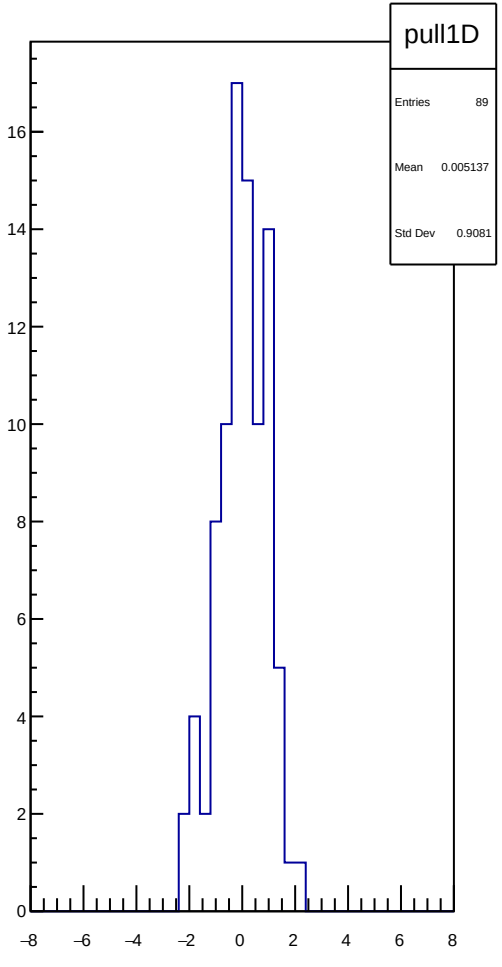

asym_at2_avg_correction_rms vs run
χ² / ndf 3082 / 88
p0 1.136e+04 ± 8.675
13500
13000
12500
12000
11500
11000
10500
10000

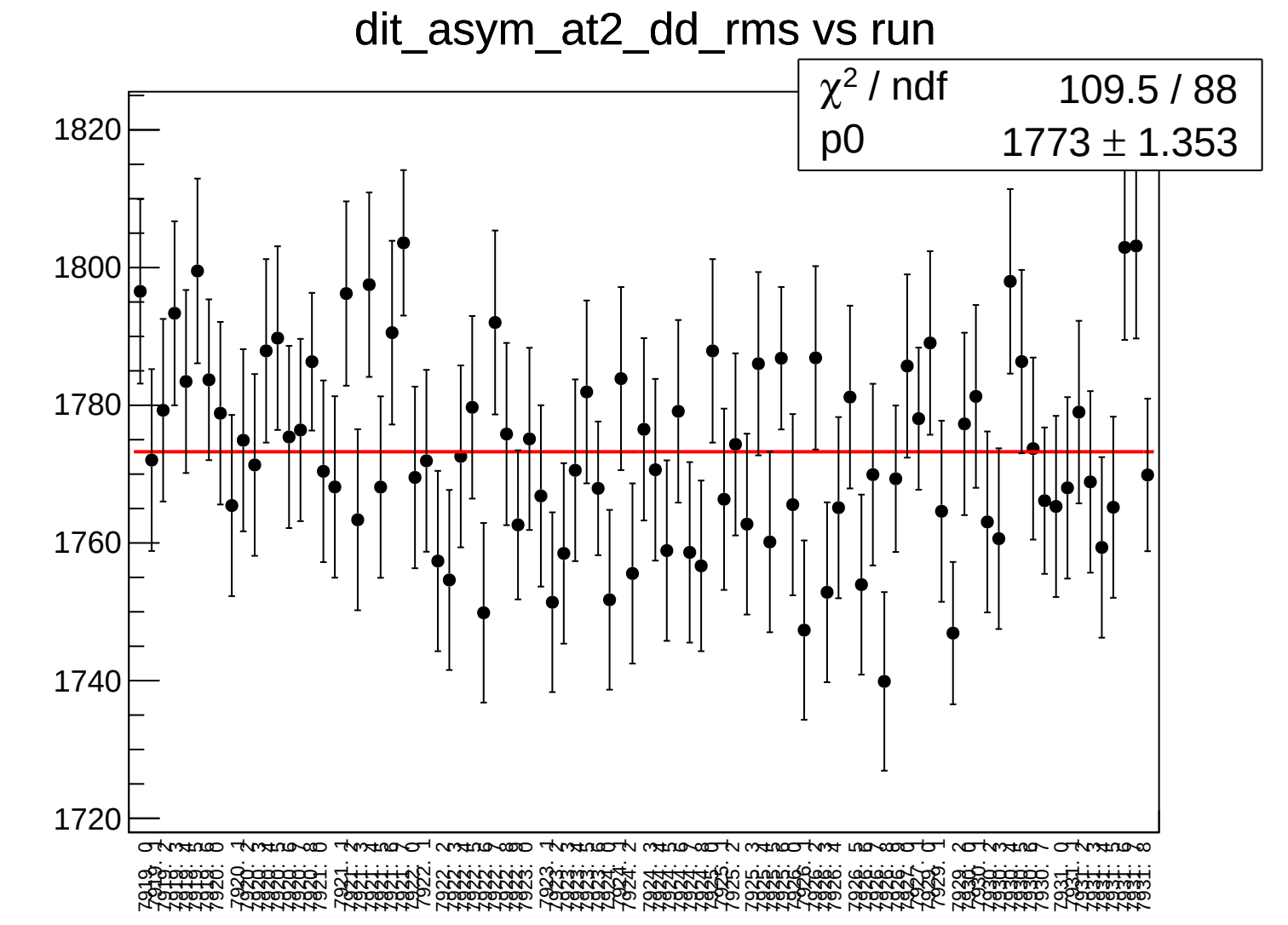

asym_at2_avg_mean vs run
×10^3
χ² / ndf 84.9 / 88
p0 −1.369e+04 ± 1.236e+04
400
200
0
−200
−400
pull
Entries 89
Mean 345.3
Std Dev 302.9
3
2
1
0
−1
−2

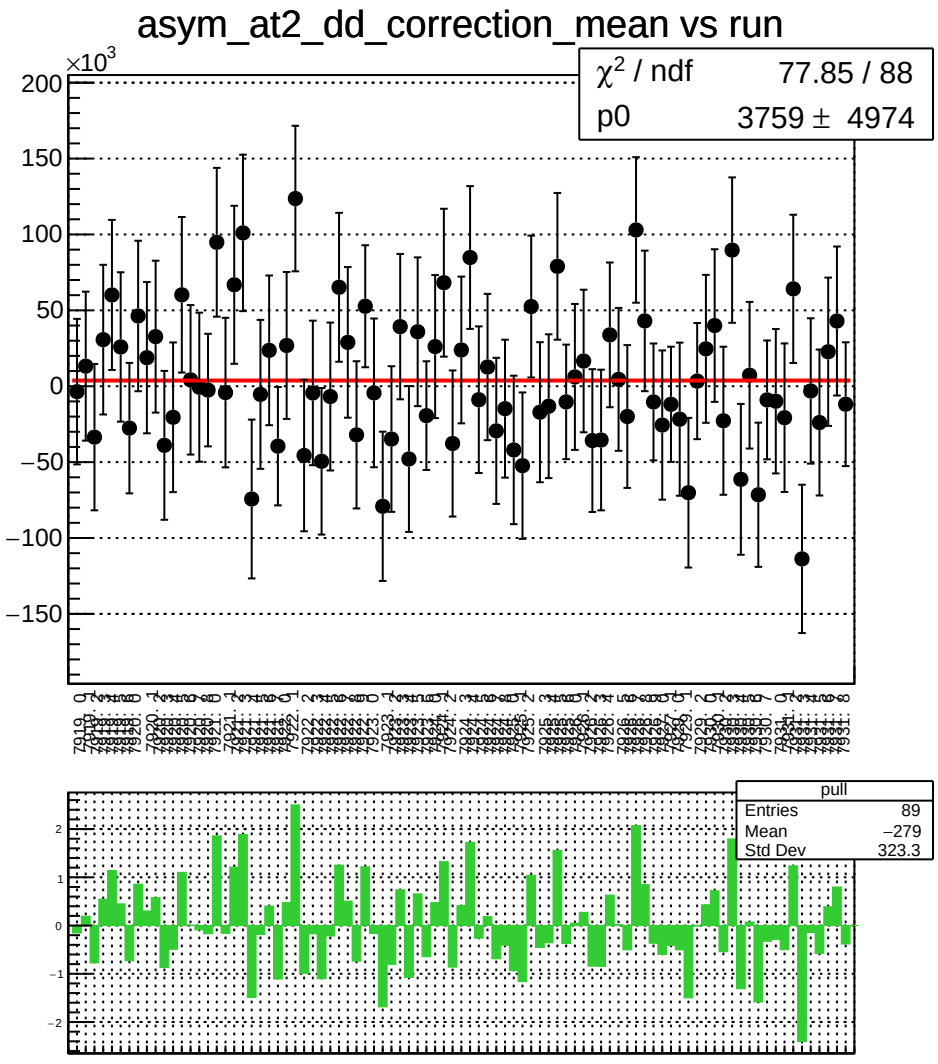

pull1D
Entries 89
Mean −0.006706
Std Dev 0.9767
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

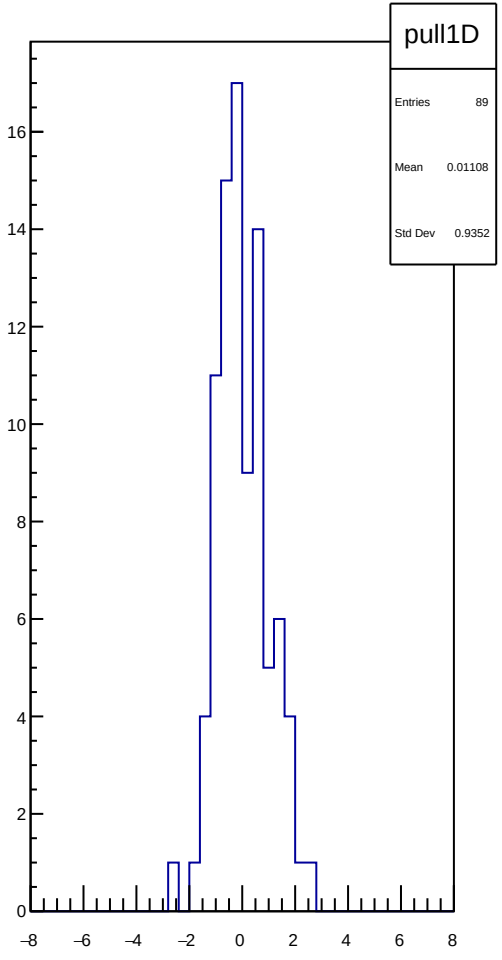

asym_at2_avg_rms vs run
χ² / ndf 3245 / 88
p0 1.145e+04 ± 8.74
13500
13000
12500
12000
11500
11000
10500
10000

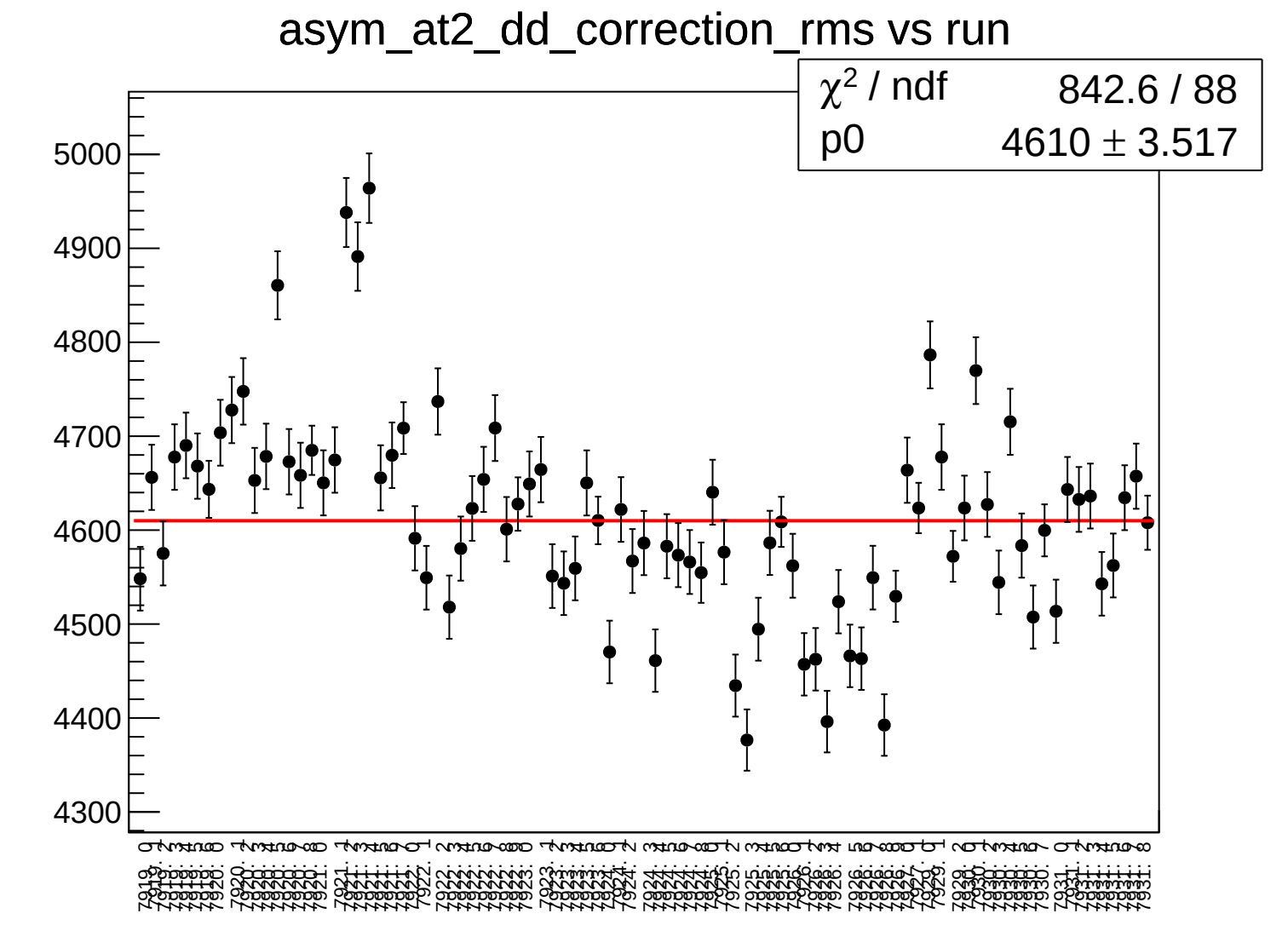

dit_asym_at2_dd_mean vs run
χ² / ndf 73.4 / 88
p0 −819.7 ± 1913
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −554.4
Std Dev 595.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

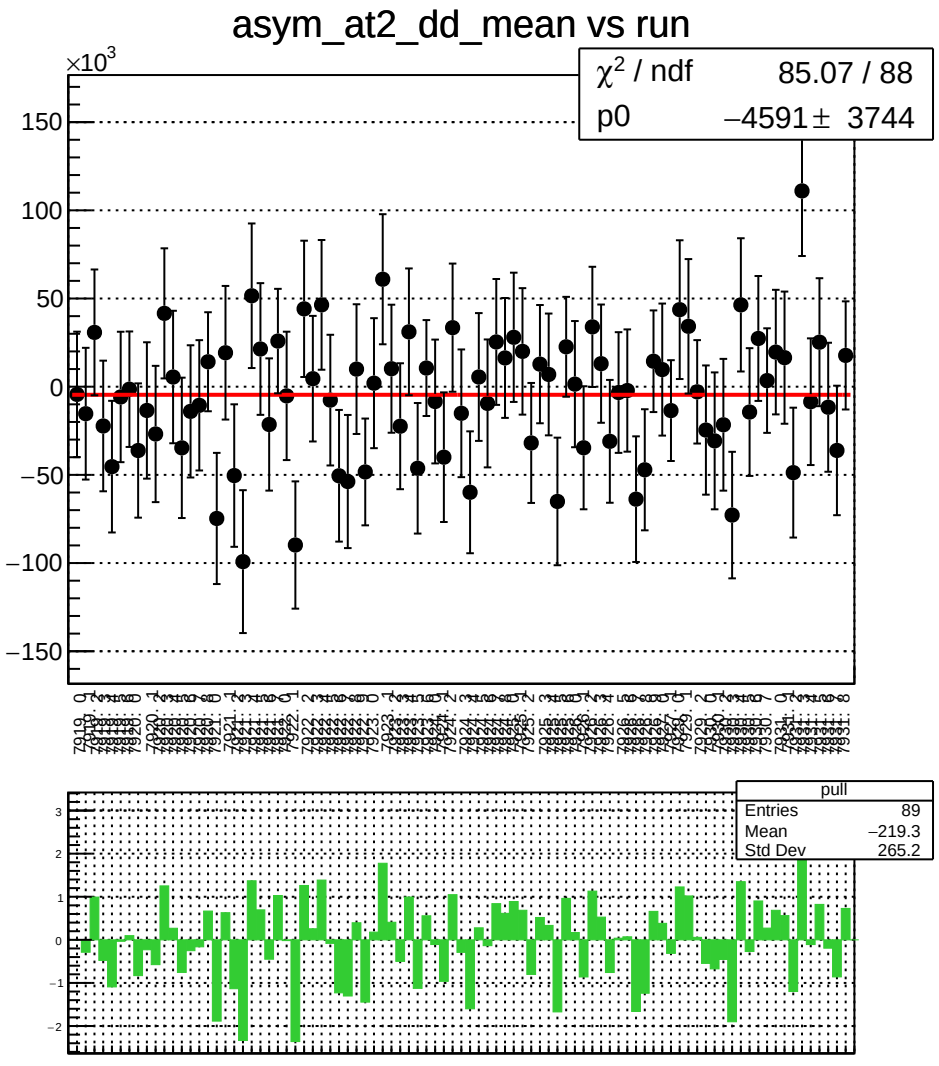

pull1D
Entries 89
Mean 0.005137
Std Dev 0.9081
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

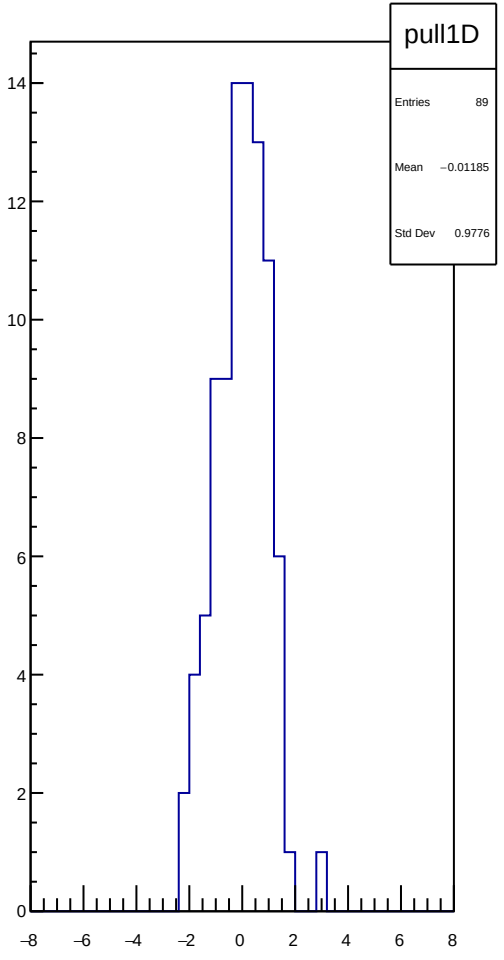

dit_asym_at2_dd_rms vs run
χ² / ndf 109.5 / 88
p0 1773 ± 1.353
1820
1800
1780
1760
1740
1720

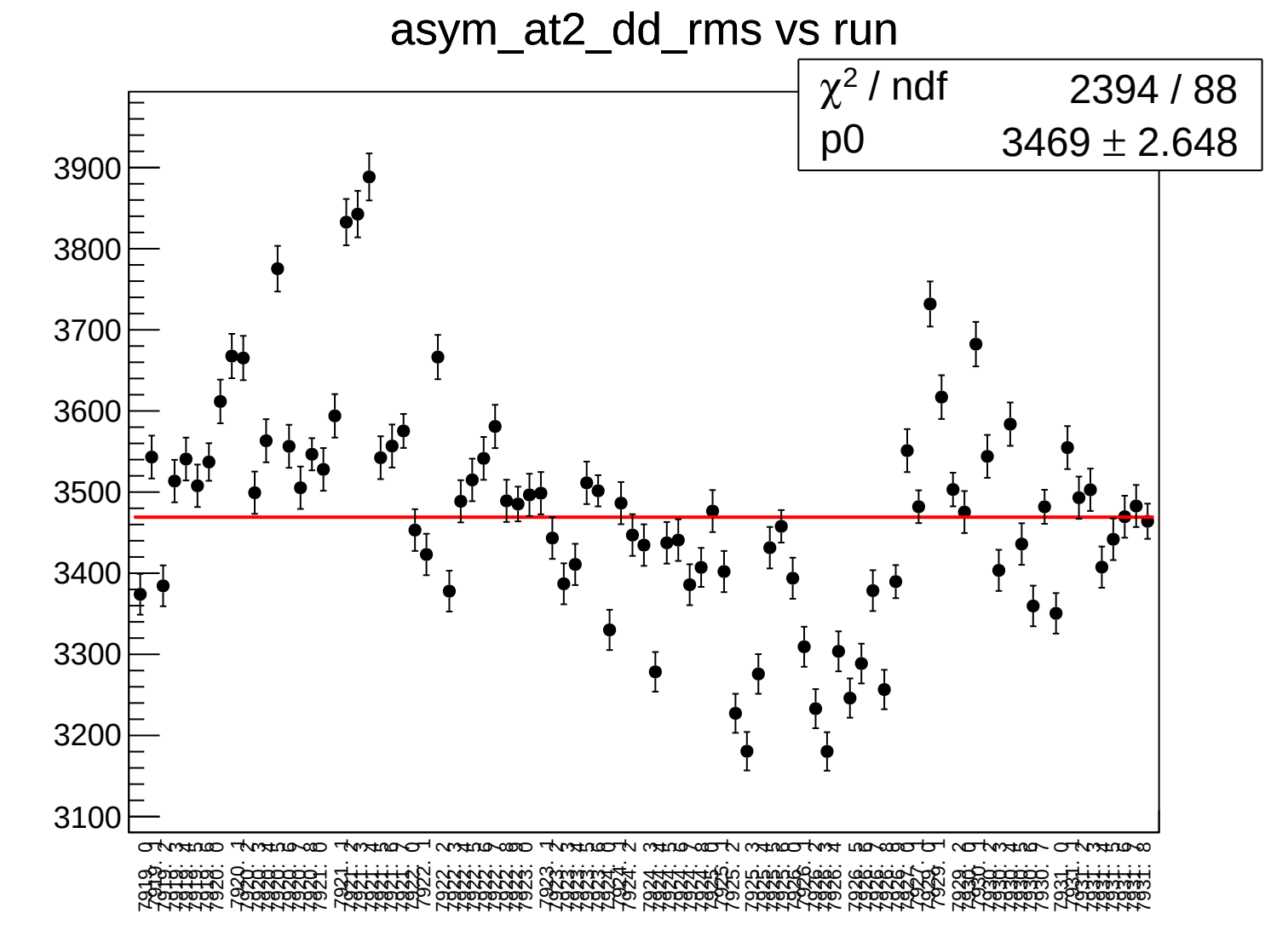

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 77.85 / 88
p0 3759 ± 4974
pull
Entries 89
Mean −279
Std Dev 323.3

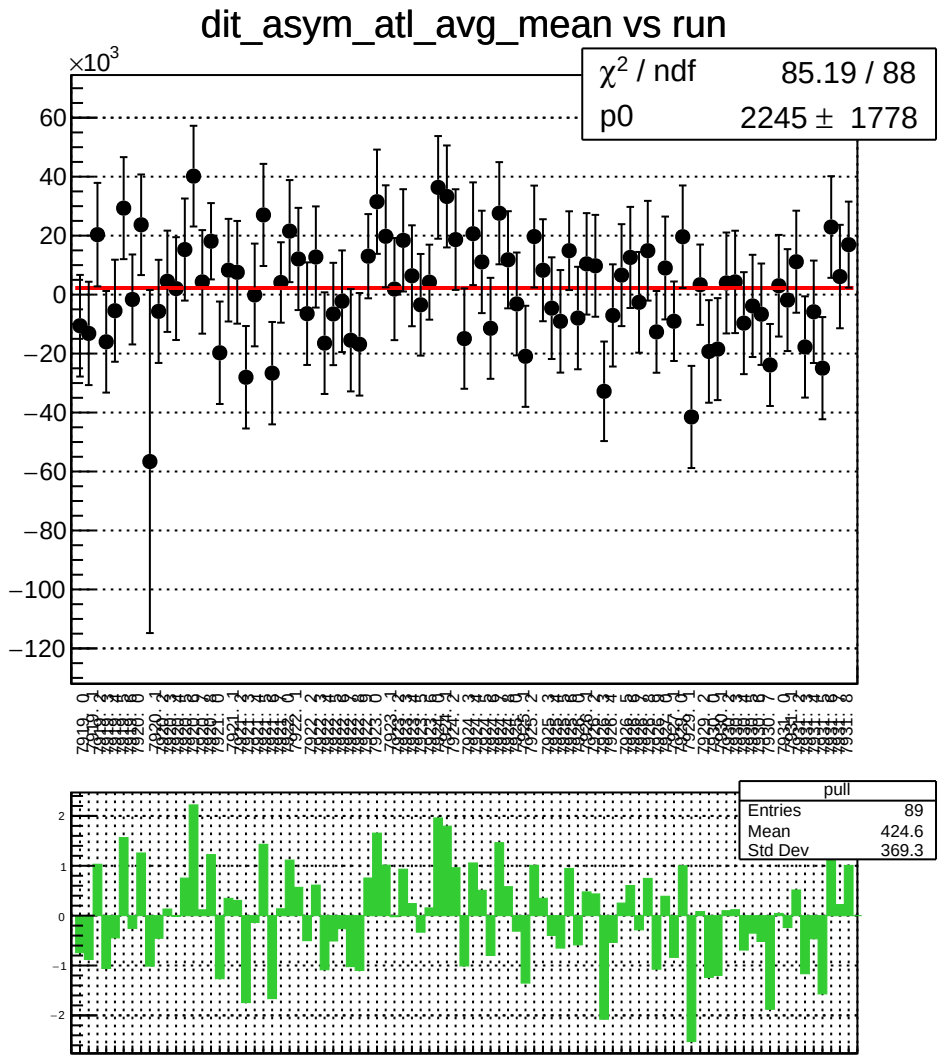

pull1D
Entries 89
Mean 0.01108
Std Dev 0.9352

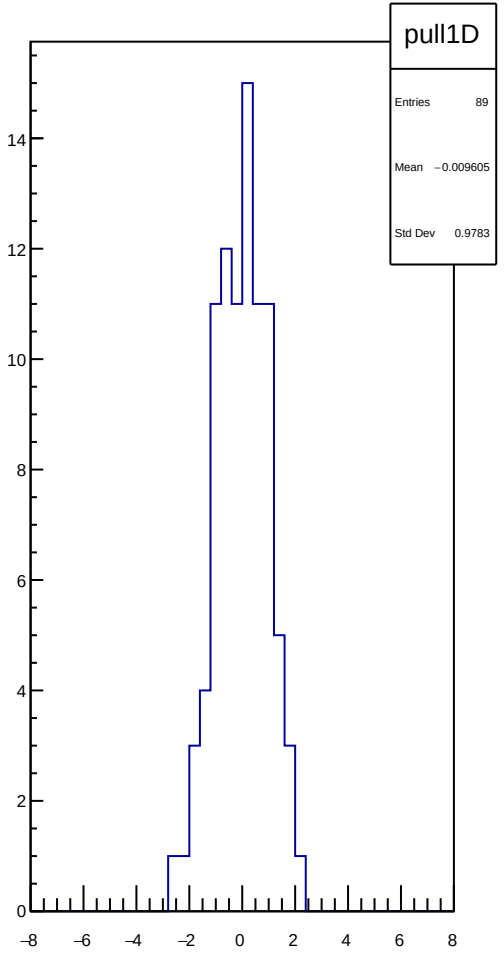

asym_at2_dd_correction_rms vs run
χ^2 / ndf 842.6 / 88
p0 4610 ± 3.517
5000
4900
4800
4700
4600
4500
4400
4300

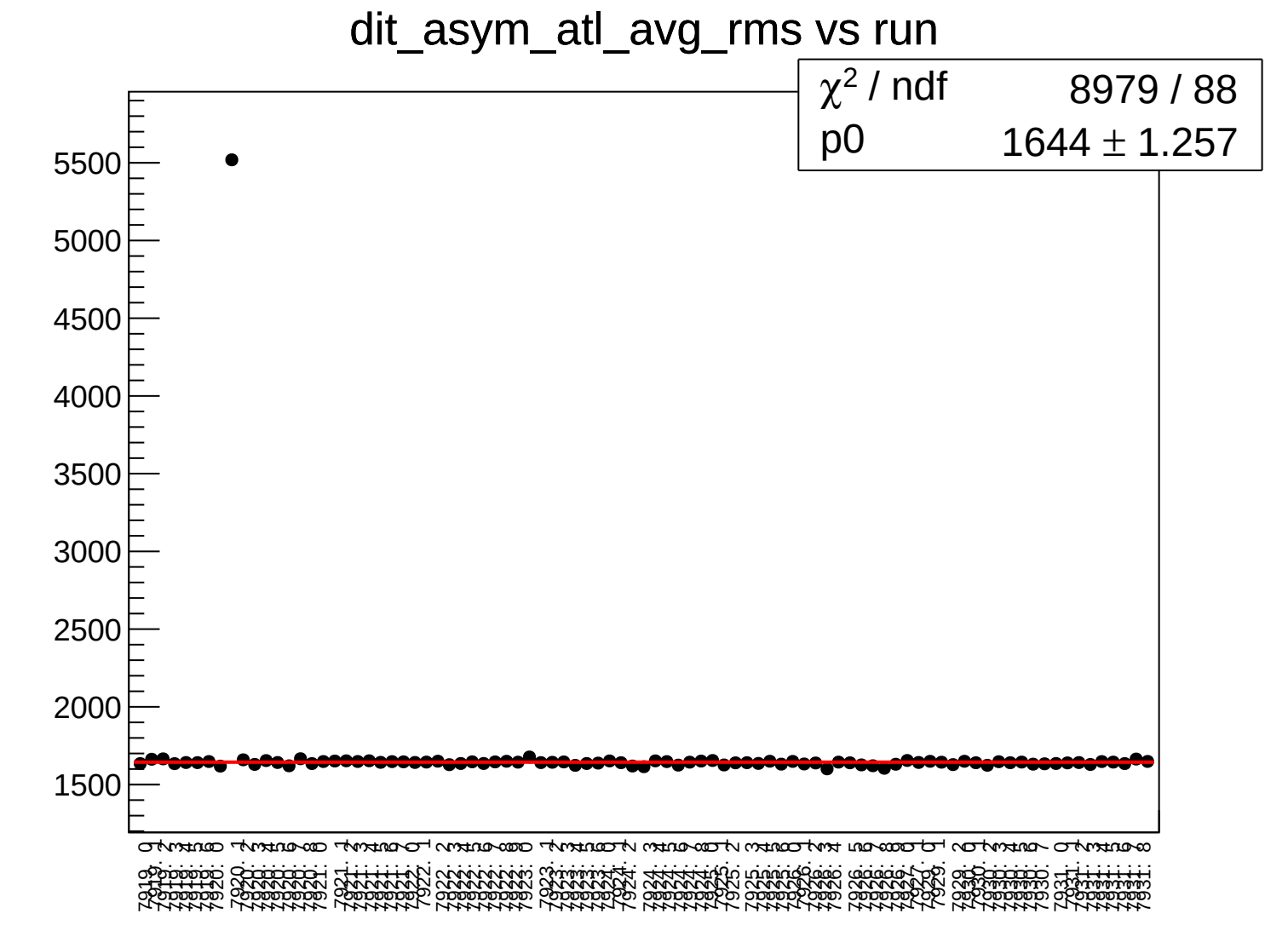

asym_at2_dd_mean vs run
×10^3
χ² / ndf 85.07 / 88
p0 −4591 ± 3744
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −219.3
Std Dev 265.2
3
2
1
0
−1
−2

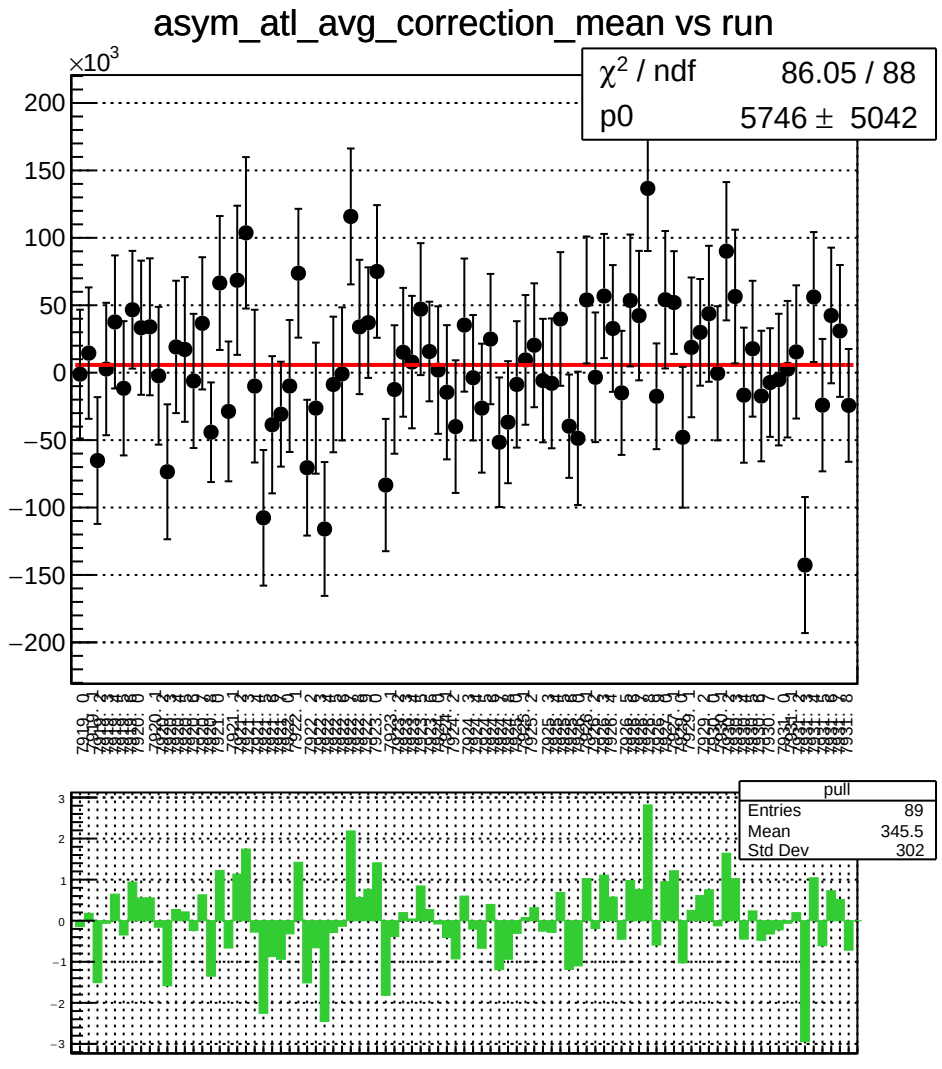

pull1D
Entries 89
Mean −0.01185
Std Dev 0.9776
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

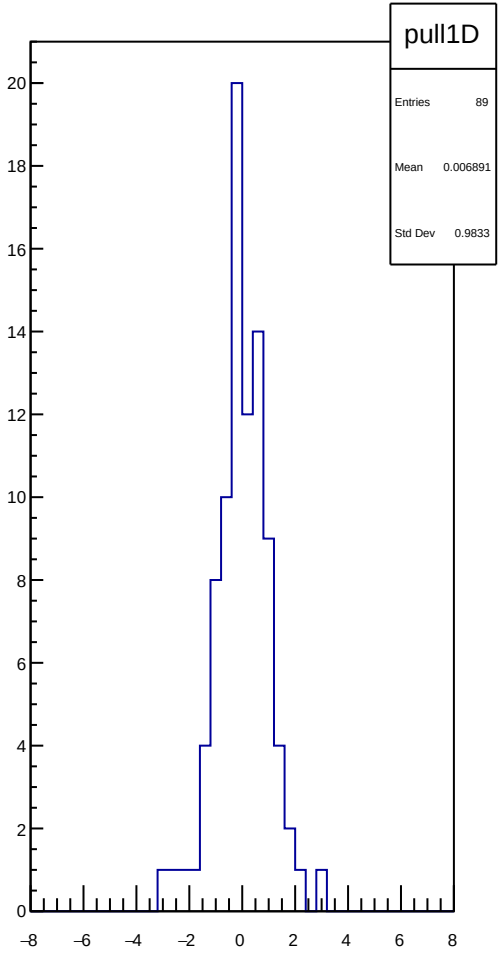

asym_at2_dd_rms vs run
χ² / ndf 2394 / 88
p0 3469 ± 2.648
3900
3800
3700
3600
3500
3400
3300
3200
3100

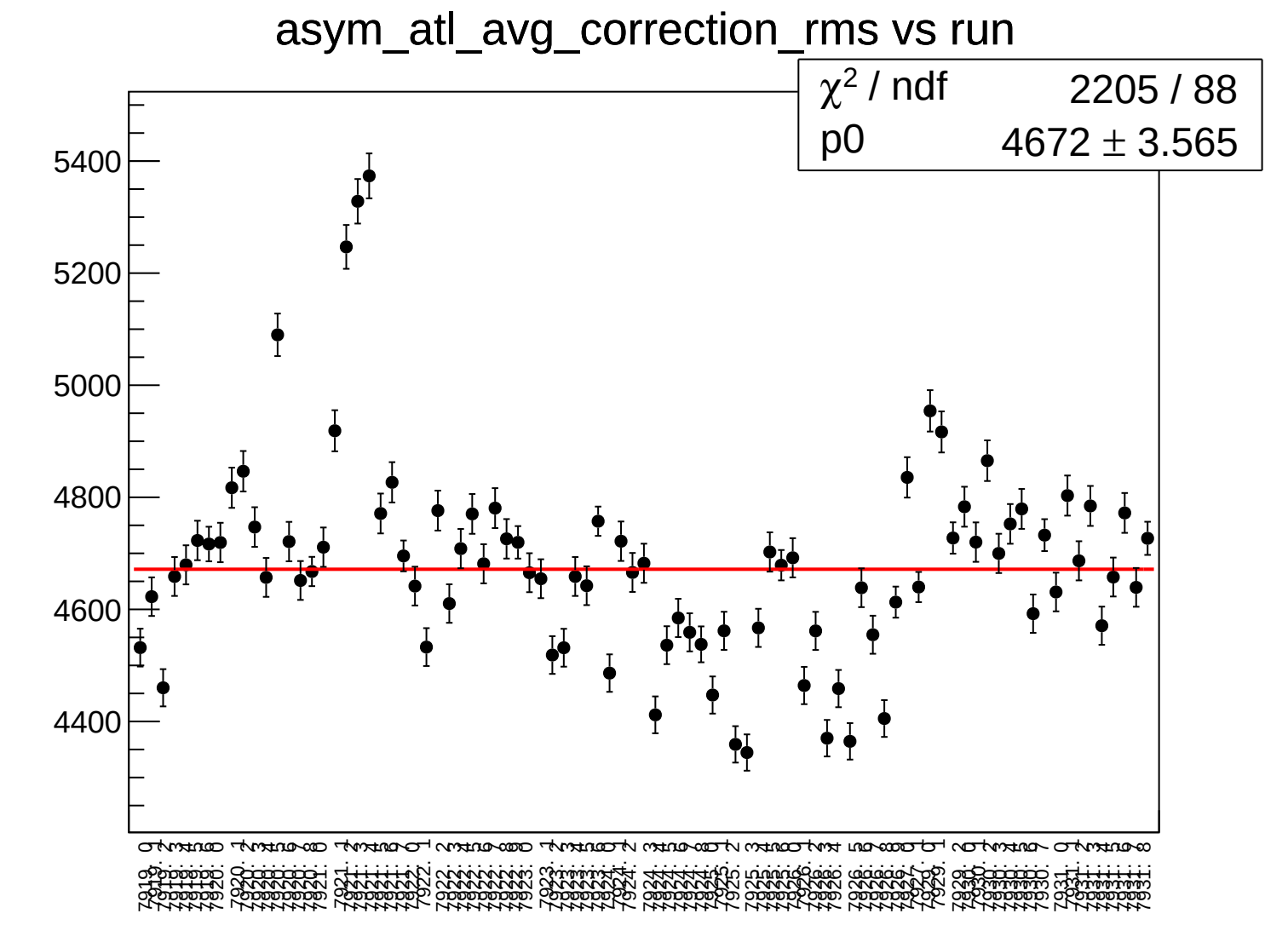

dit_asym_atl_avg_mean vs run
χ^2 / ndf 85.19 / 88
p0 2245 ± 1778
×10^3
pull
Entries 89
Mean 424.6
Std Dev 369.3

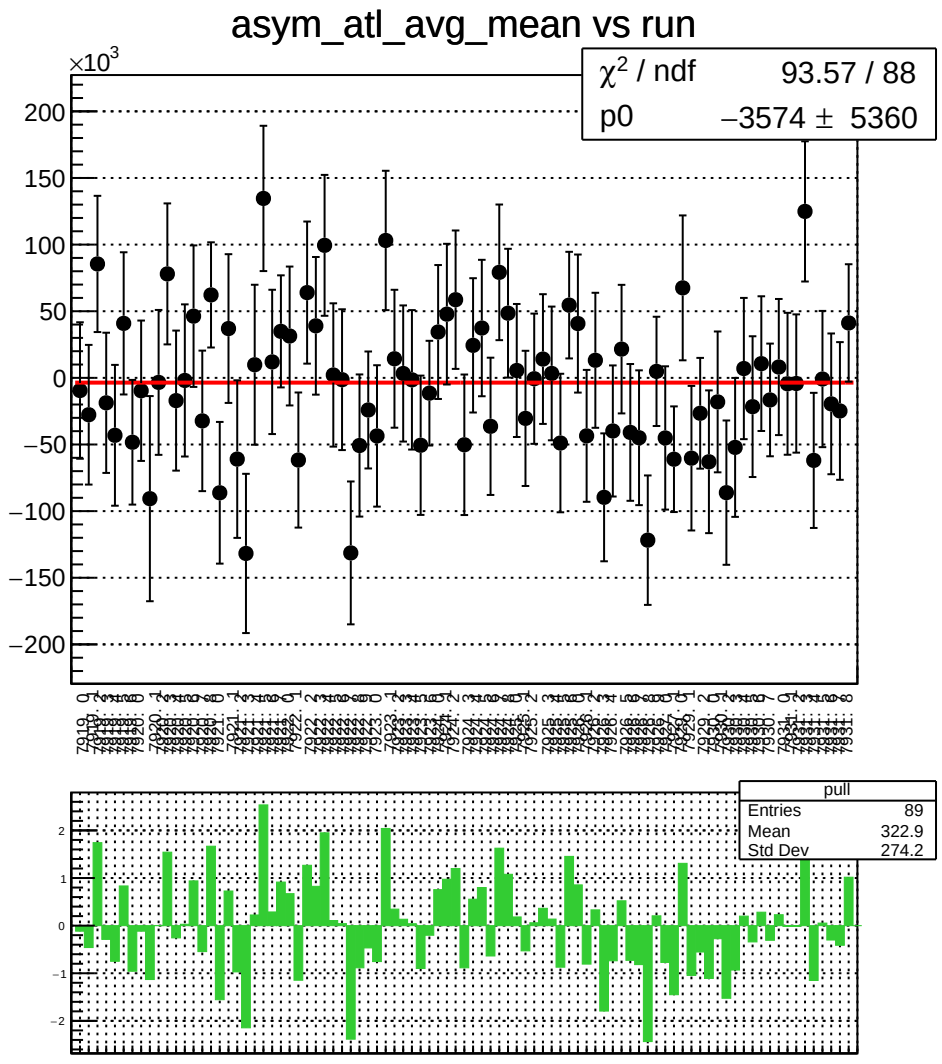

pull1D
Entries 89
Mean −0.009605
Std Dev 0.9783

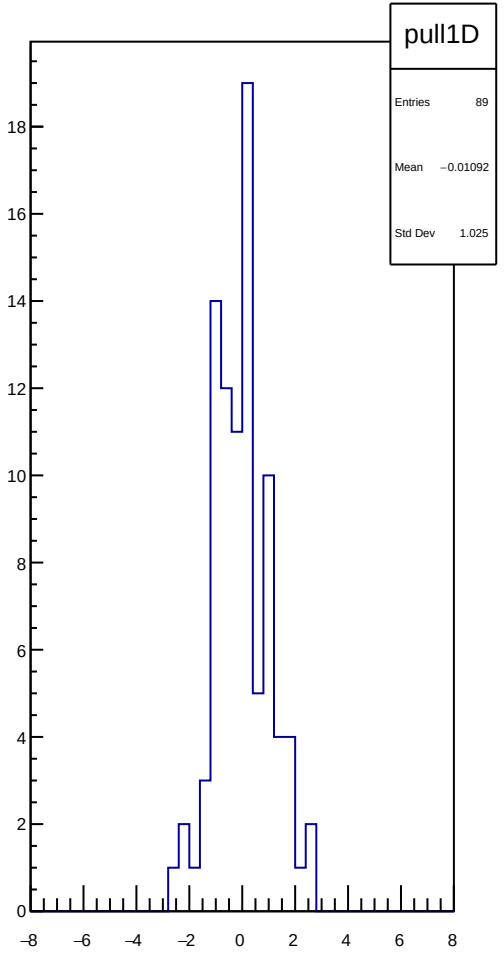

dit_asym_atl_avg_rms vs run
χ^2 / ndf 8979 / 88
p0 1644 ± 1.257
5500
5000
4500
4000
3500
3000
2500
2000
1500

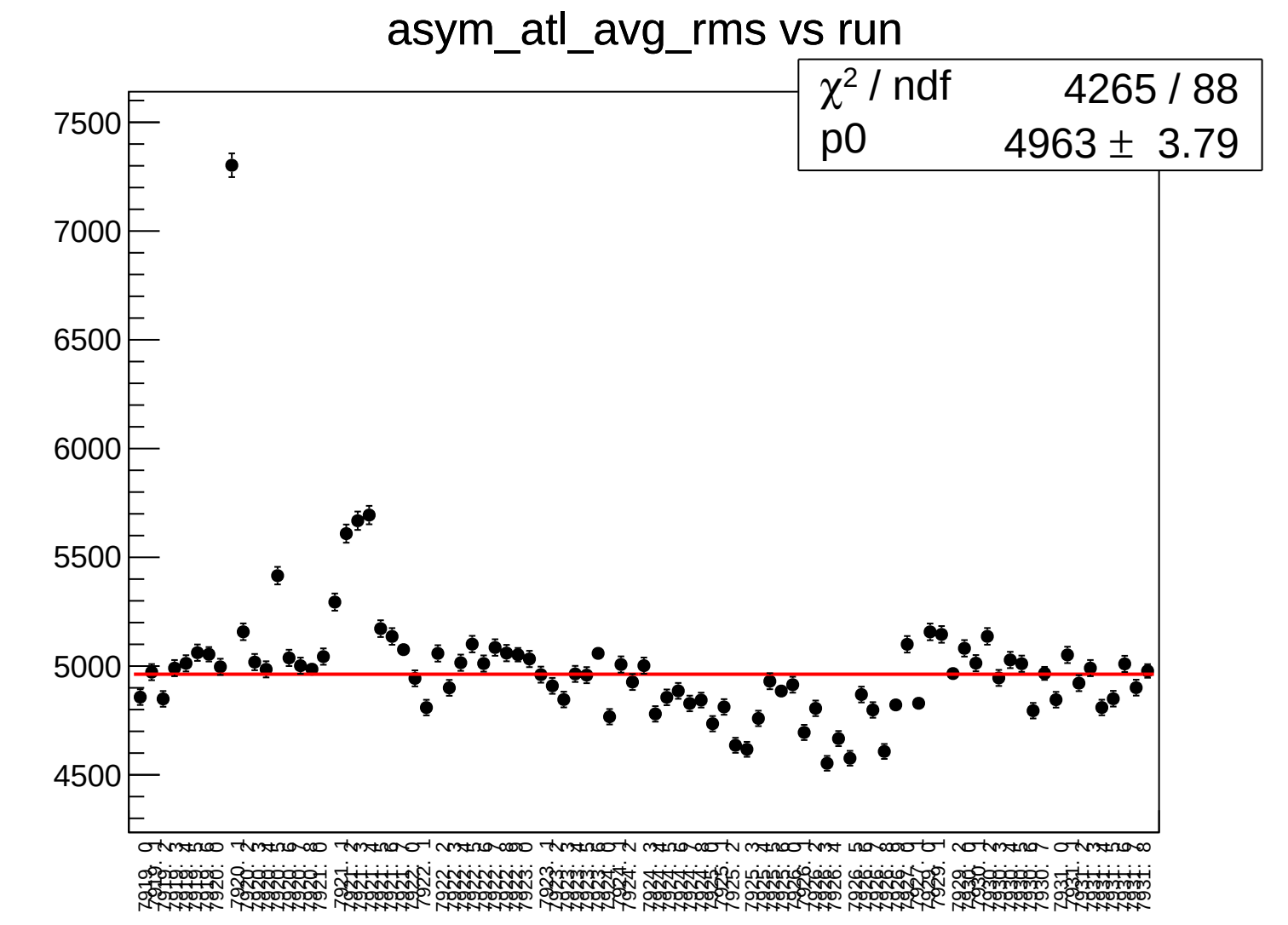

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 86.05 / 88
p0 5746 ± 5042
pull
Entries 89
Mean 345.5
Std Dev 302

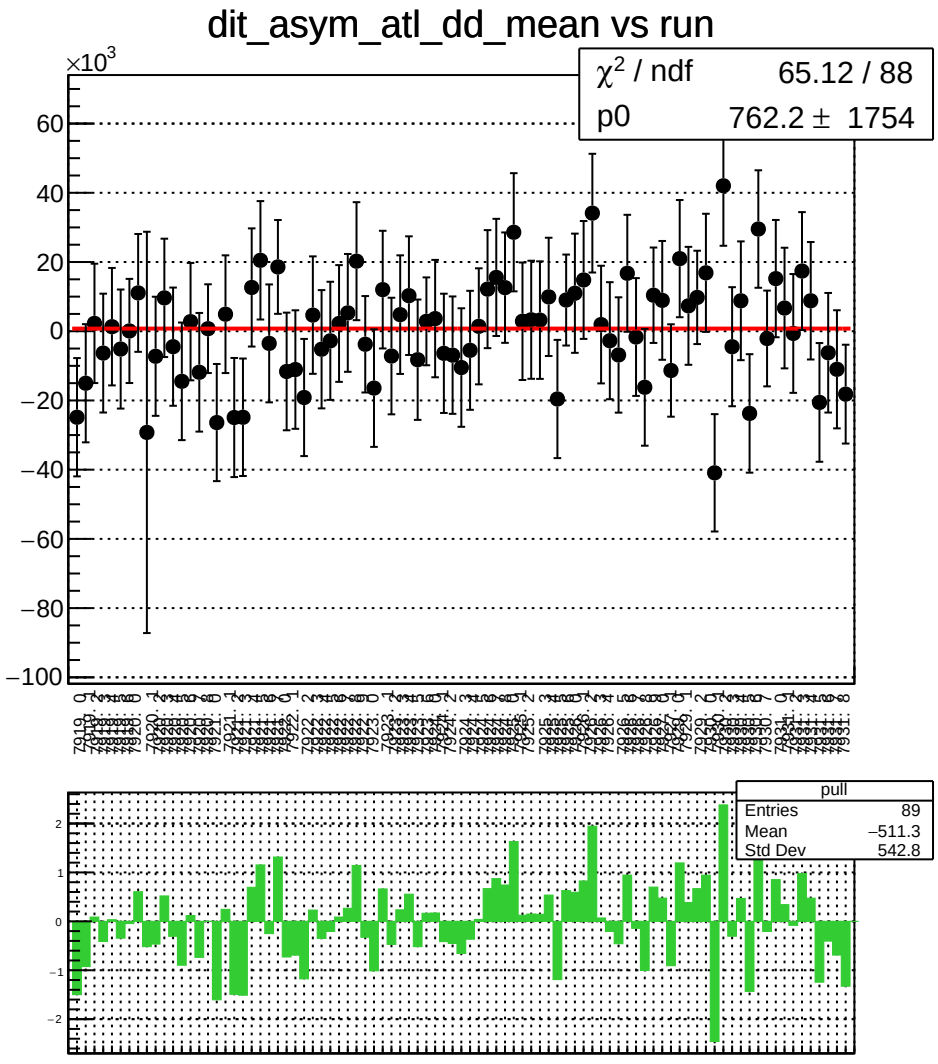

pull1D
Entries 89
Mean 0.006891
Std Dev 0.9833

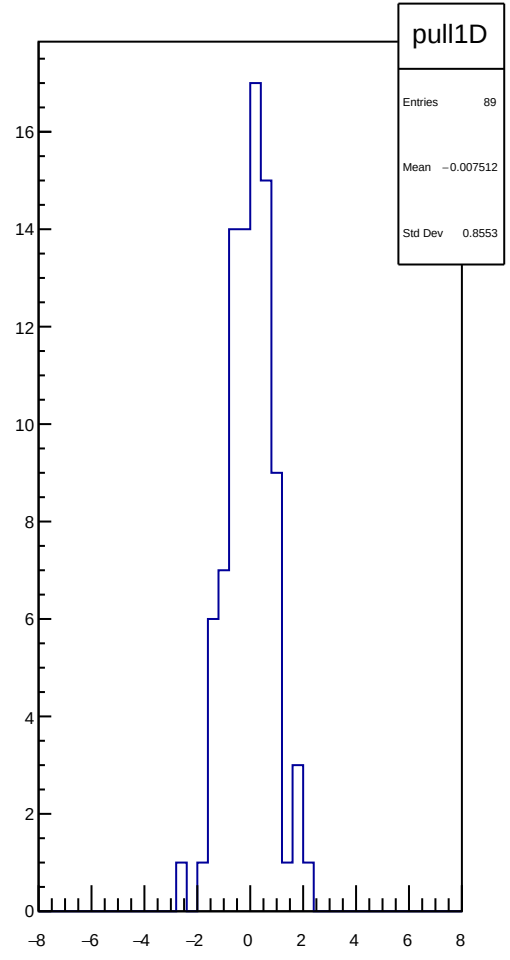

asym_atl_avg_correction_rms vs run
χ² / ndf 2205 / 88
p0 4672 ± 3.565
5400
5200
5000
4800
4600
4400

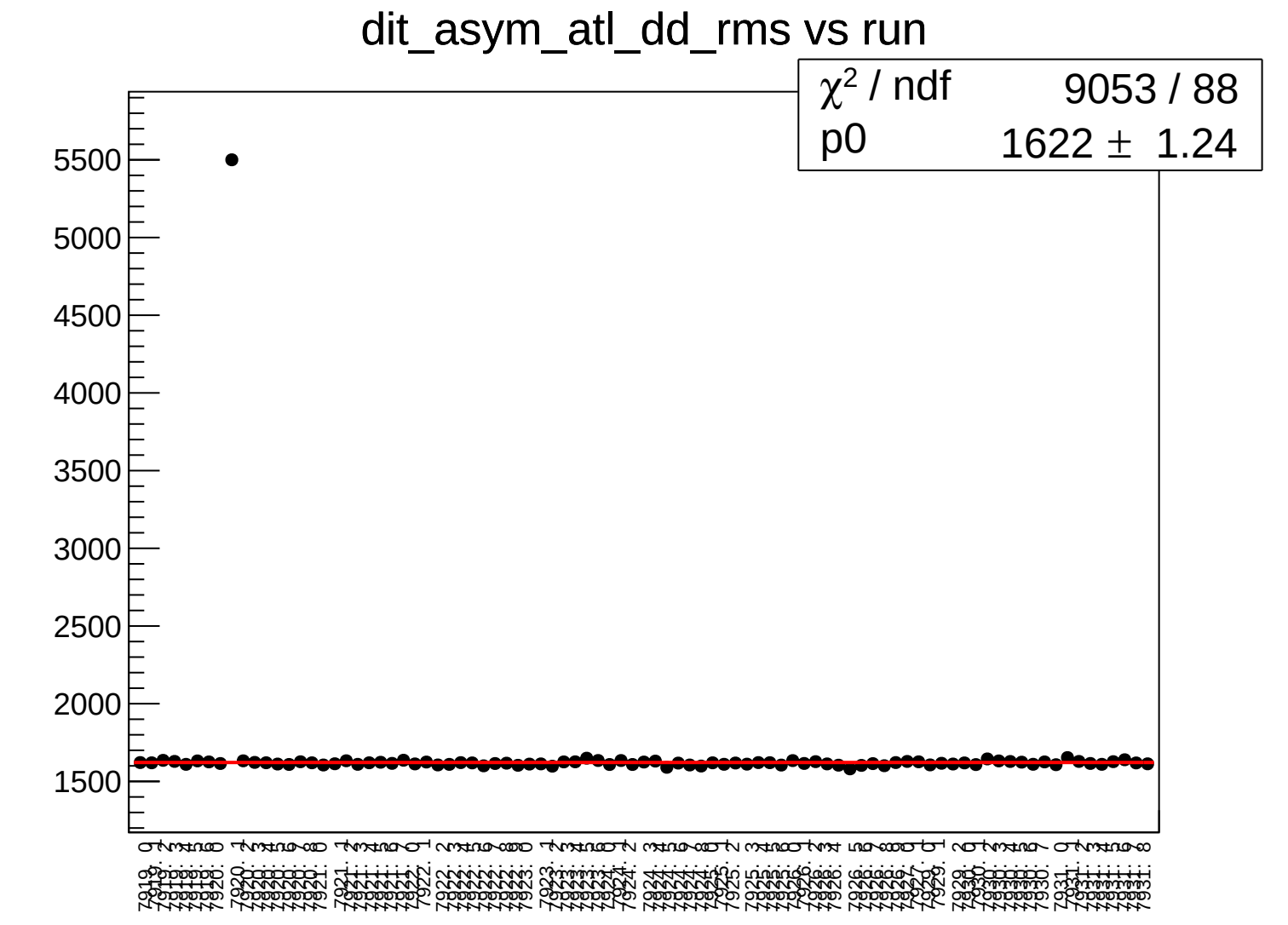

asym_atl_avg_mean vs run
×10^3
χ² / ndf 93.57 / 88
p0 −3574 ± 5360
pull
Entries 89
Mean 322.9
Std Dev 274.2

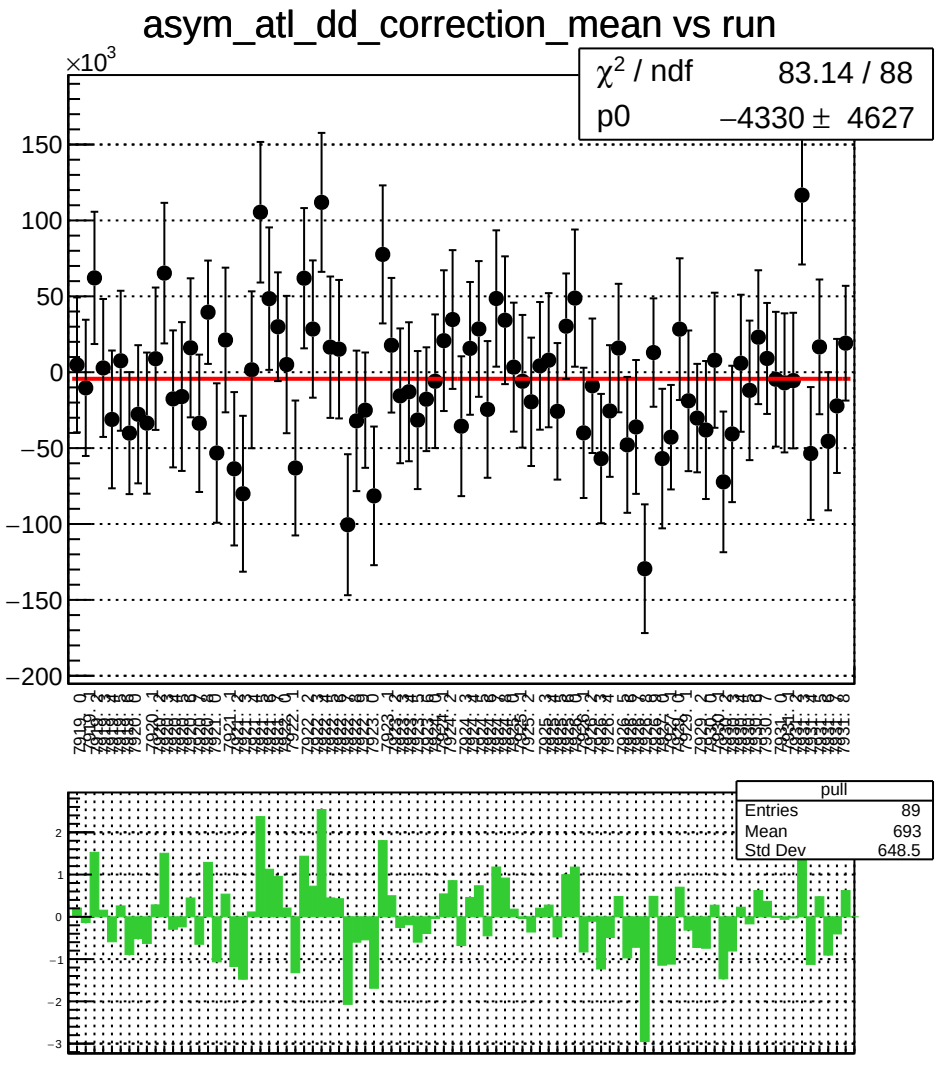

pull1D
Entries 89
Mean −0.01092
Std Dev 1.025

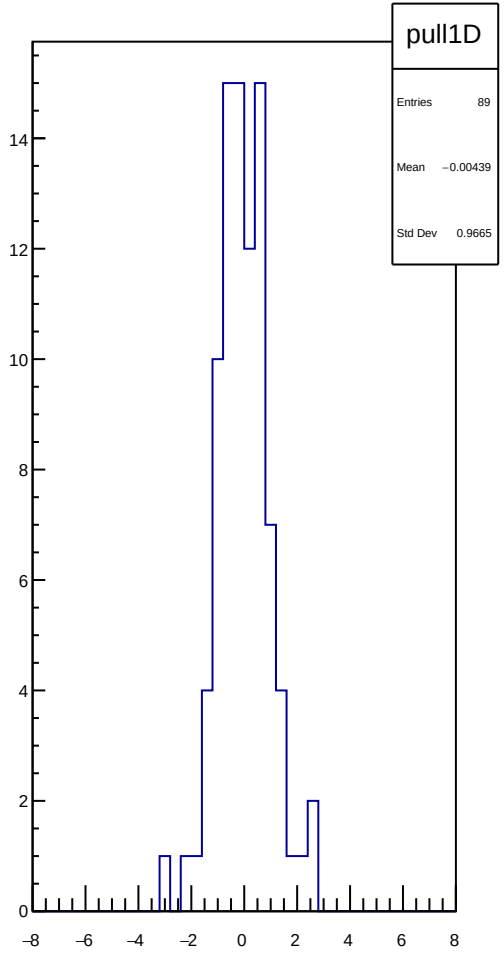

asym_atl_avg_rms vs run
χ² / ndf 4265 / 88
p0 4963 ± 3.79
7500
7000
6500
6000
5500
5000
4500

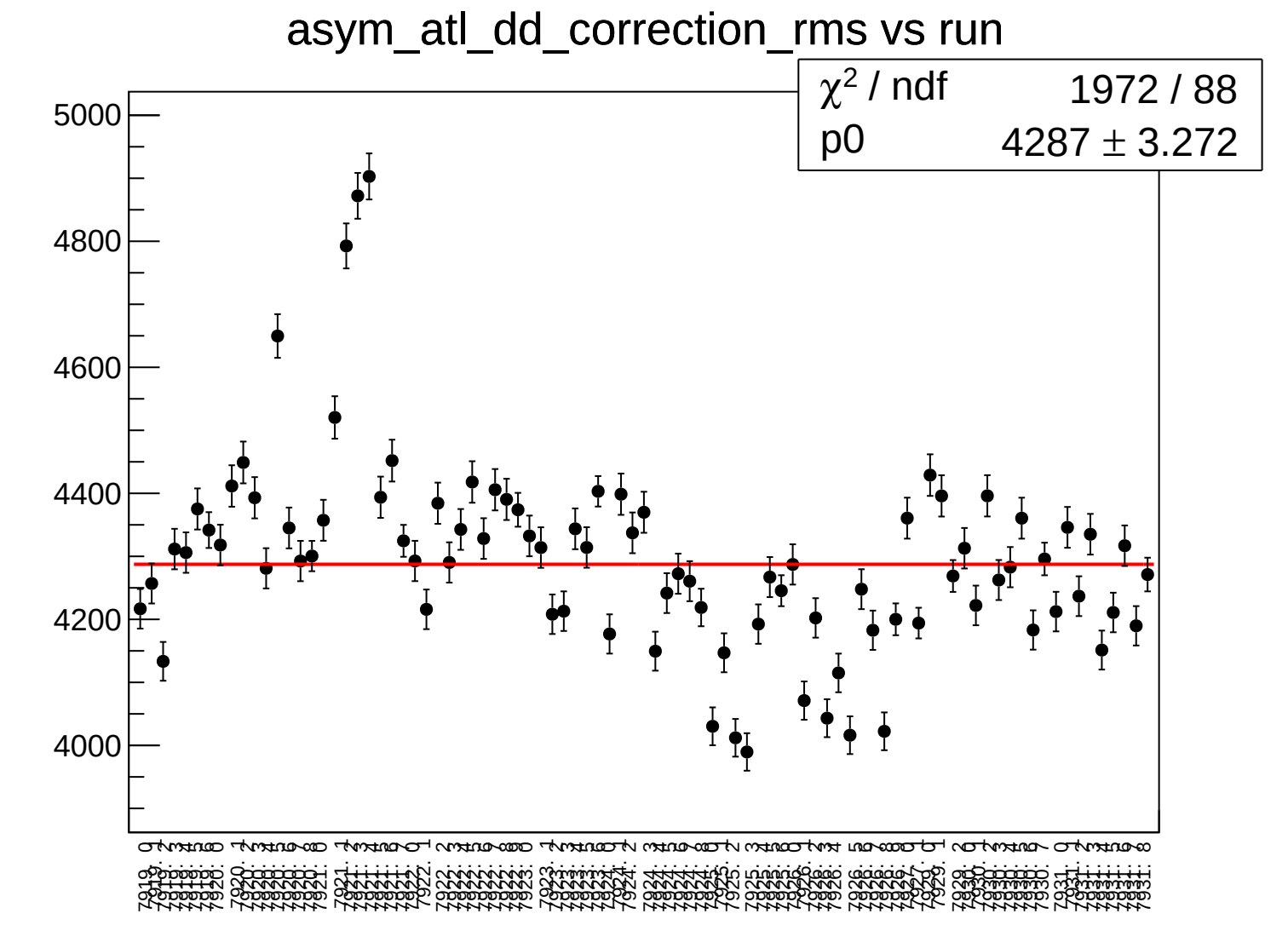

dit_asym_atl_dd_mean vs run
χ^2 / ndf 65.12 / 88
p0 762.2 ± 1754
pull
Entries 89
Mean −511.3
Std Dev 542.8

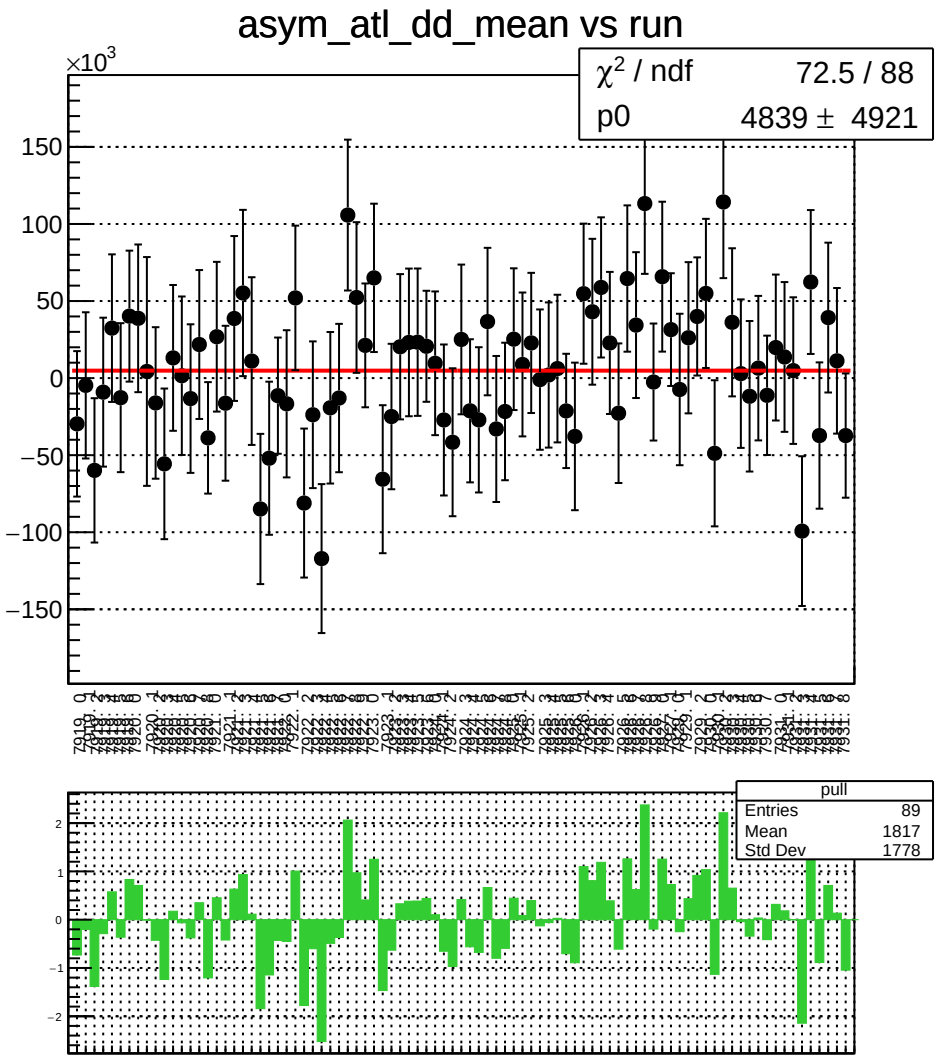

pull1D
Entries 89
Mean −0.007512
Std Dev 0.8553

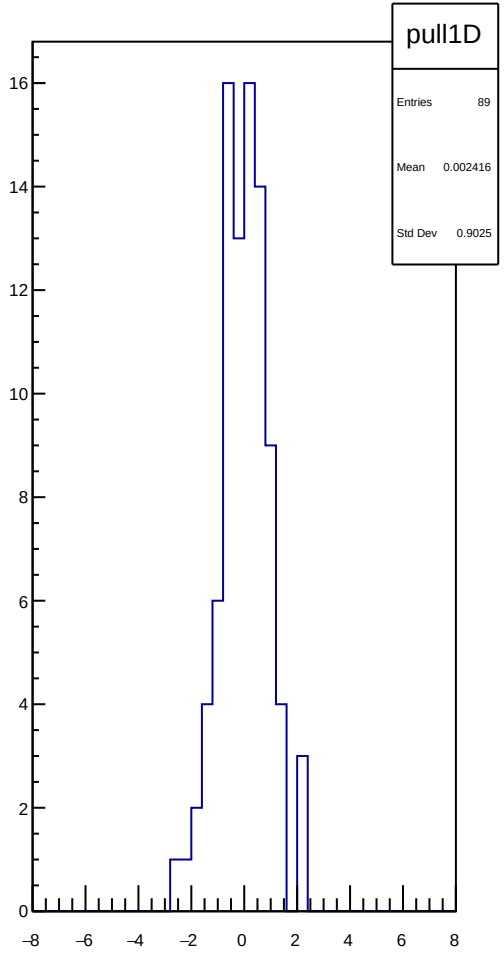

dit_asym_atl_dd_rms vs run
χ^2 / ndf 9053 / 88
p0 1622 ± 1.24
5500
5000
4500
4000
3500
3000
2500
2000
1500

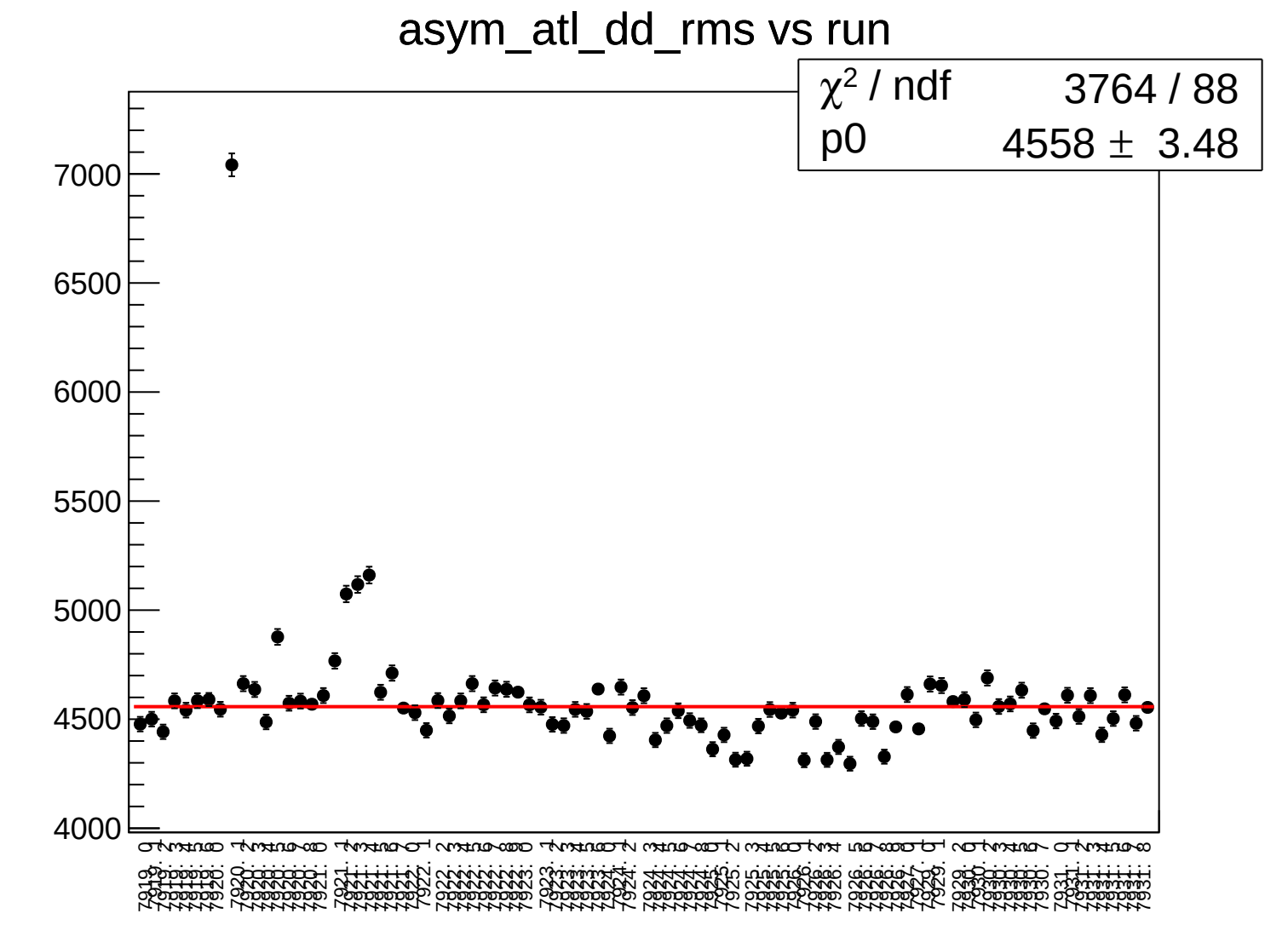

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 83.14 / 88
p0 −4330 ± 4627
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 693
Std Dev 648.5
2
1
0
−1
−2
−3

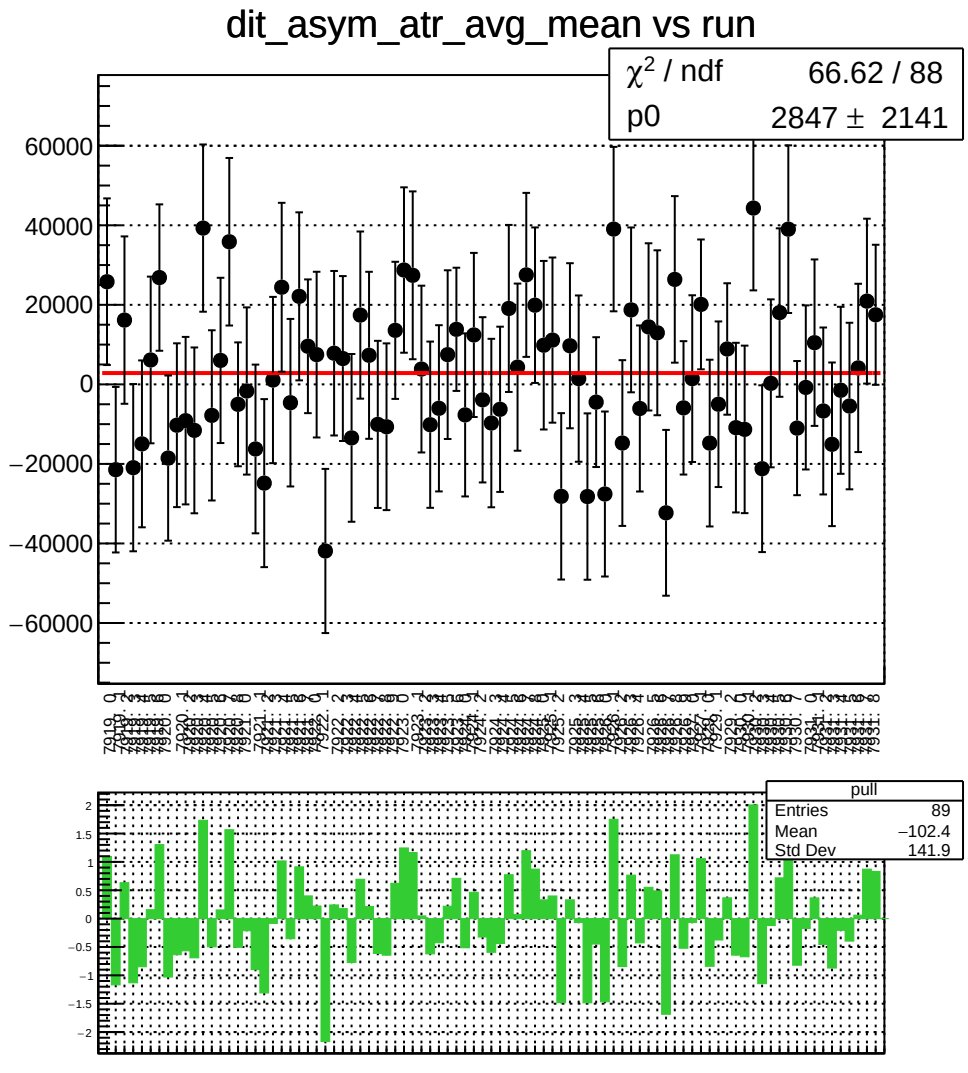

pull1D
Entries 89
Mean −0.00439
Std Dev 0.9665
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

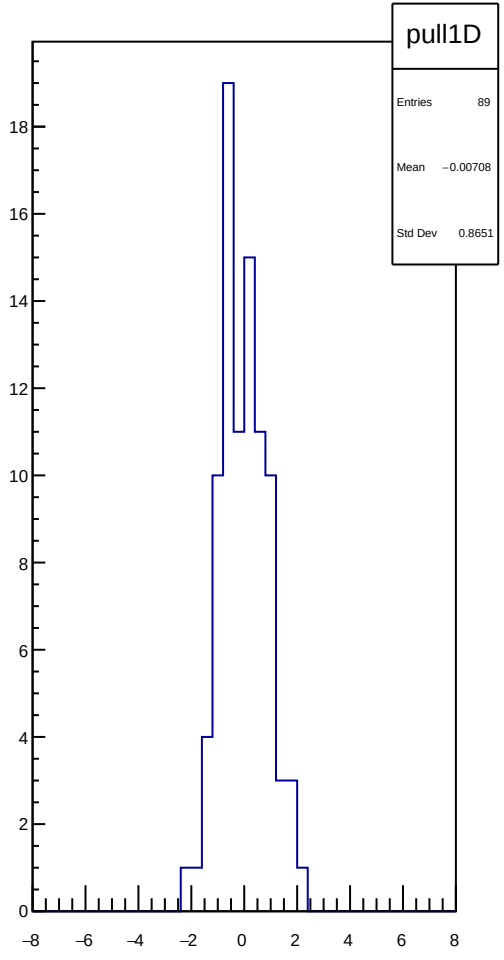

asym_atl_dd_correction_rms vs run
χ² / ndf 1972 / 88
p0 4287 ± 3.272
5000
4800
4600
4400
4200
4000

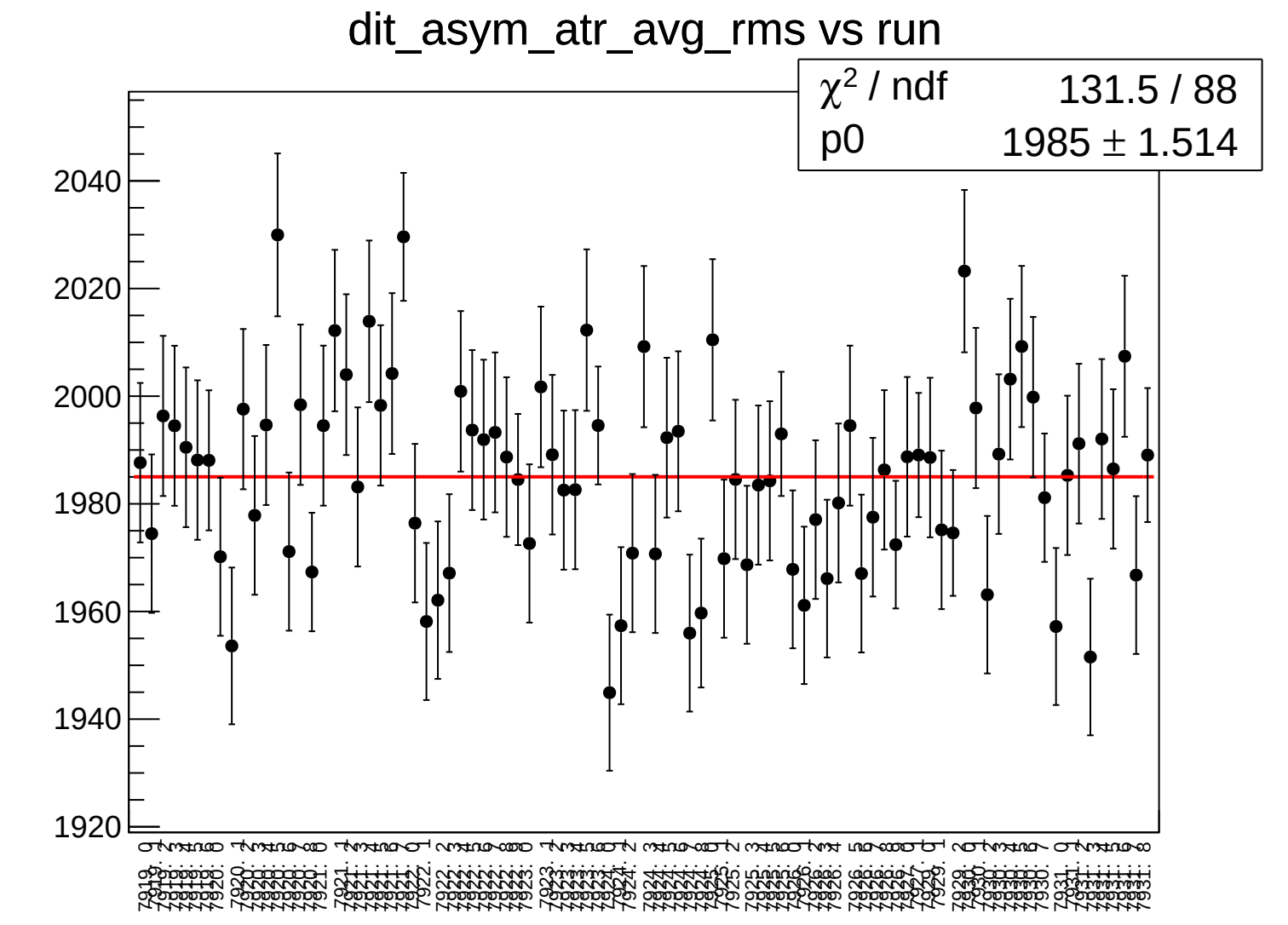

asym_atl_dd_mean vs run
χ² / ndf 72.5 / 88
p0 4839 ± 4921
×10³
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 1817
Std Dev 1778
2
1
0
−1
−2

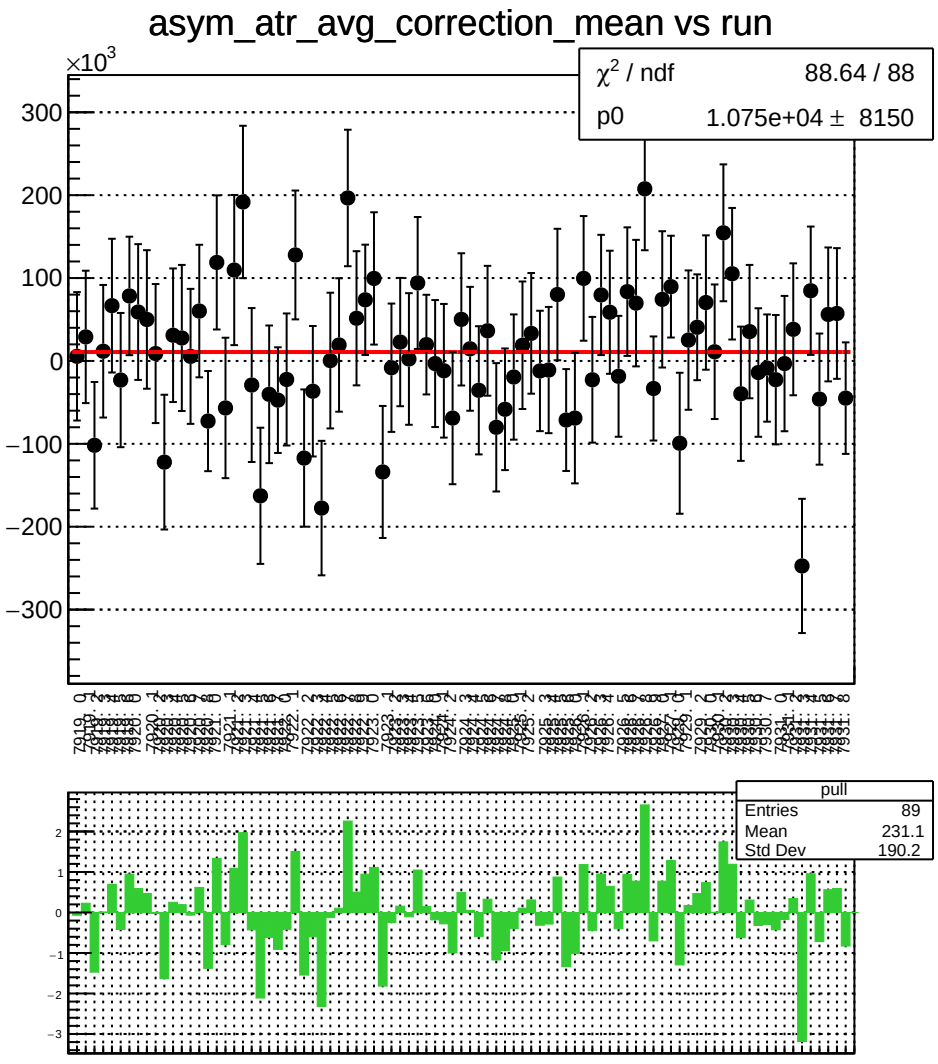

pull1D
Entries 89
Mean 0.002416
Std Dev 0.9025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

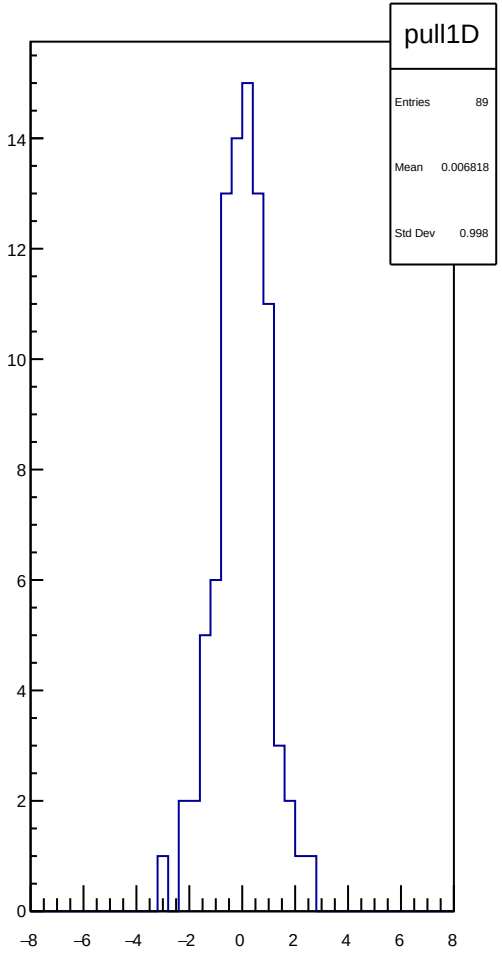

asym_atl_dd_rms vs run
χ² / ndf 3764 / 88
p0 4558 ± 3.48
7000
6500
6000
5500
5000
4500
4000

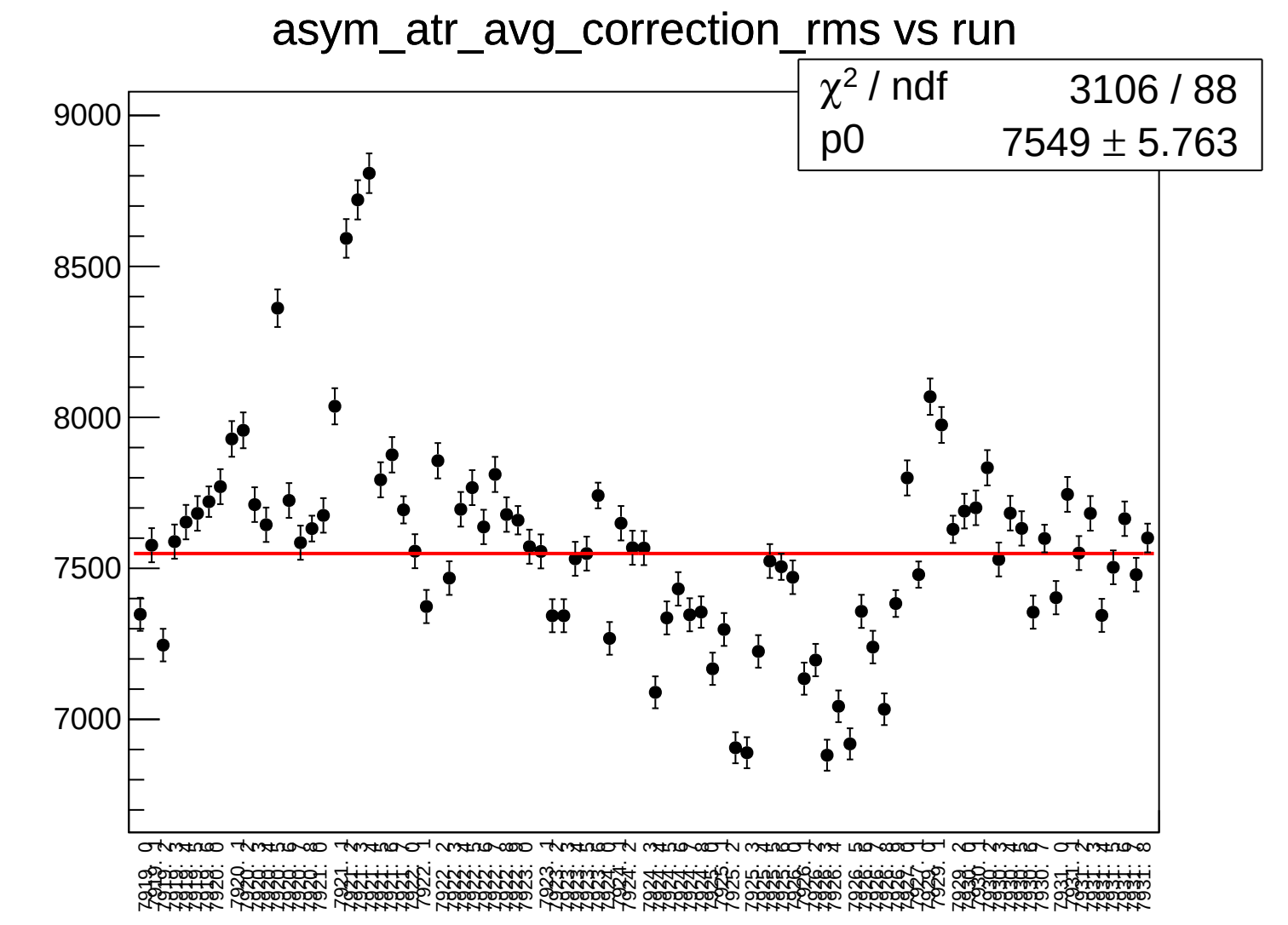

dit_asym_atr_avg_mean vs run
χ² / ndf 66.62 / 88
p0 2847 ± 2141
pull
Entries 89
Mean −102.4
Std Dev 141.9

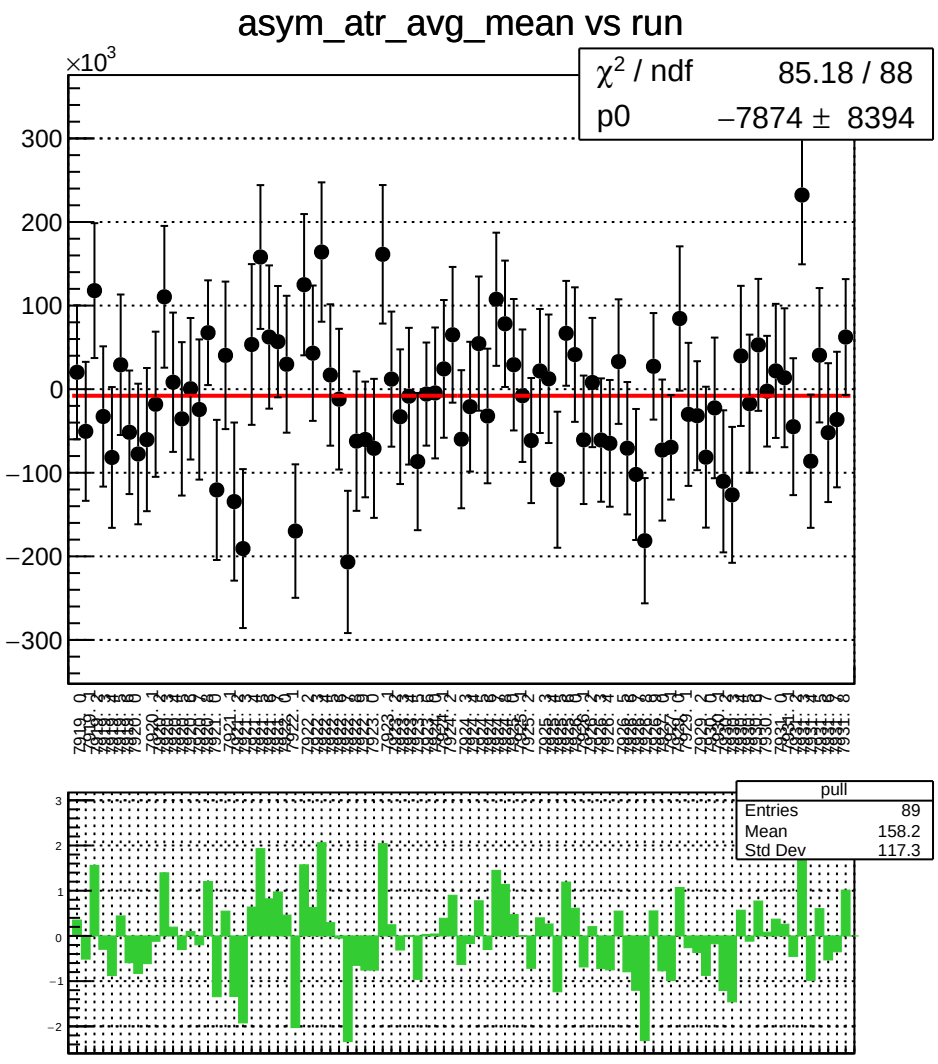

pull1D
Entries 89
Mean −0.00708
Std Dev 0.8651

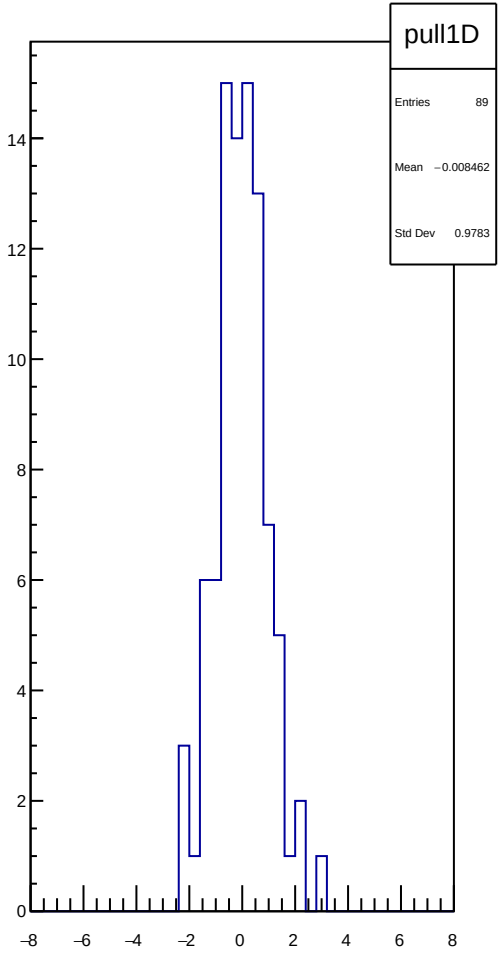

dit_asym_atr_avg_rms vs run
χ² / ndf 131.5 / 88
p0 1985 ± 1.514
2040
2020
2000
1980
1960
1940
1920

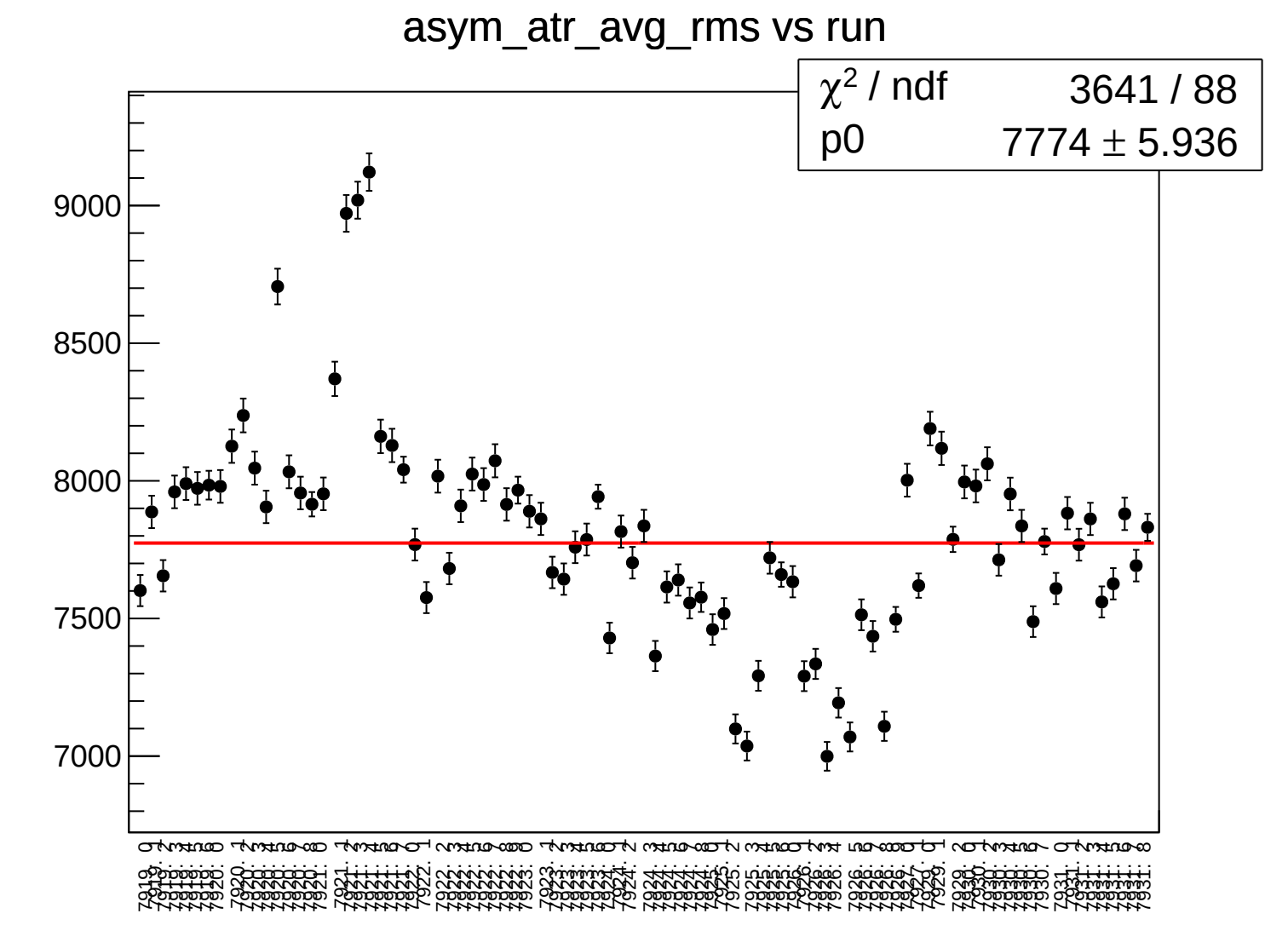

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 88.64 / 88
p0 1.075e+04 ± 8150
pull
Entries 89
Mean 231.1
Std Dev 190.2

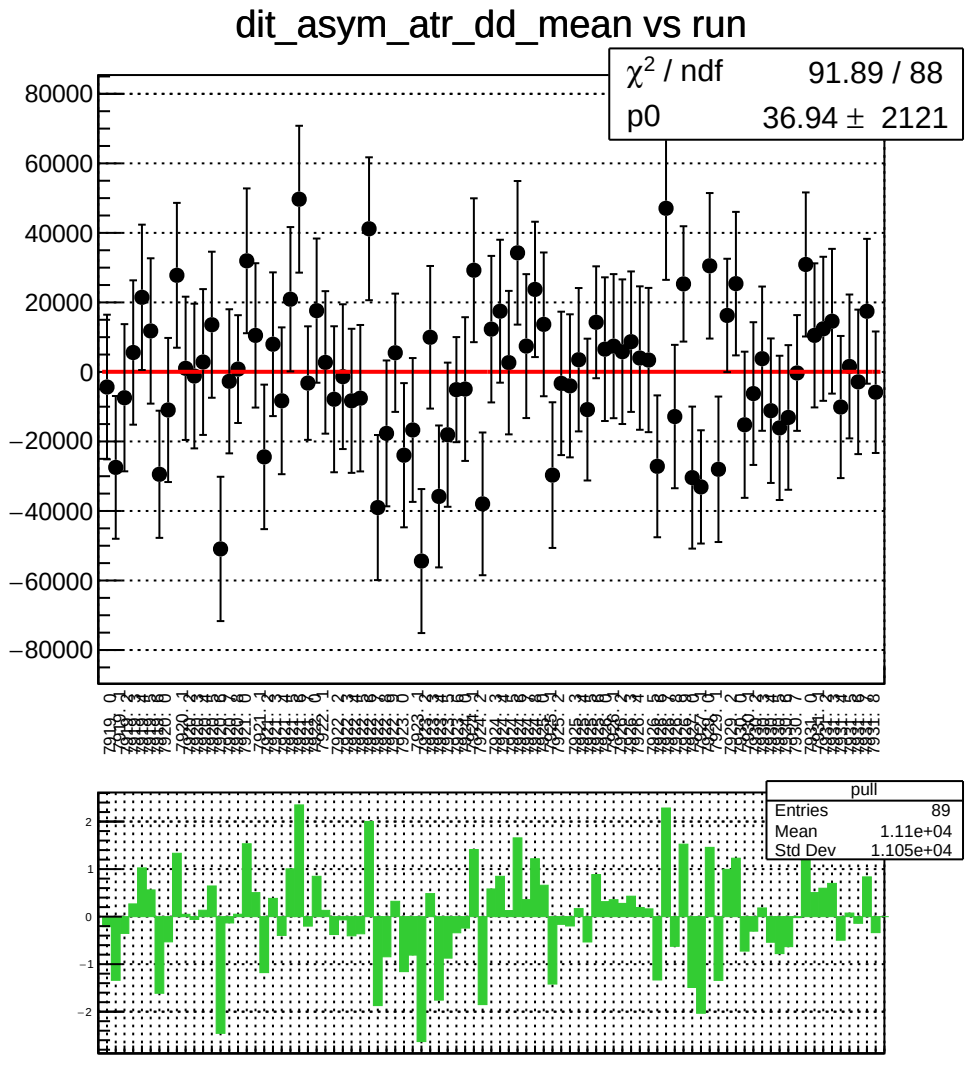

pull1D
Entries 89
Mean 0.006818
Std Dev 0.998

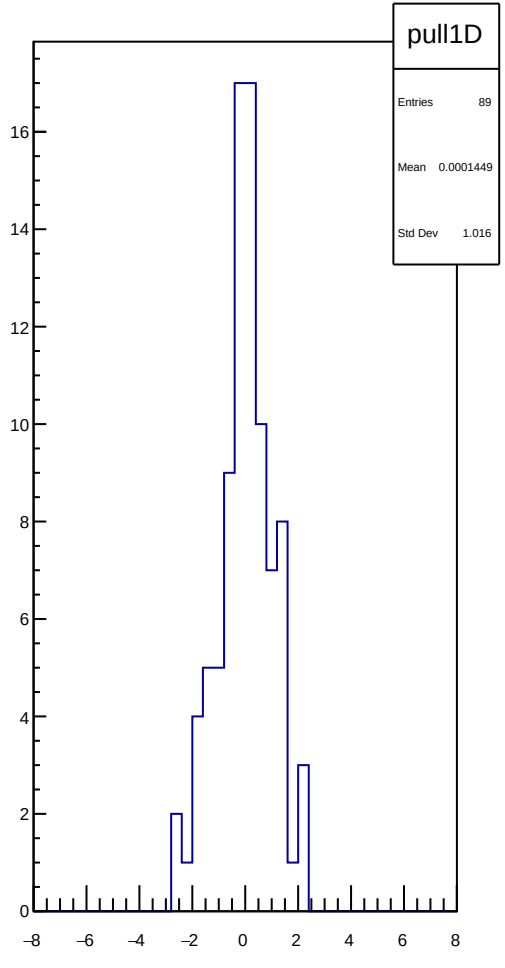

asym_atr_avg_correction_rms vs run
χ^2 / ndf 3106 / 88
p0 7549 ± 5.763
9000
8500
8000
7500
7000

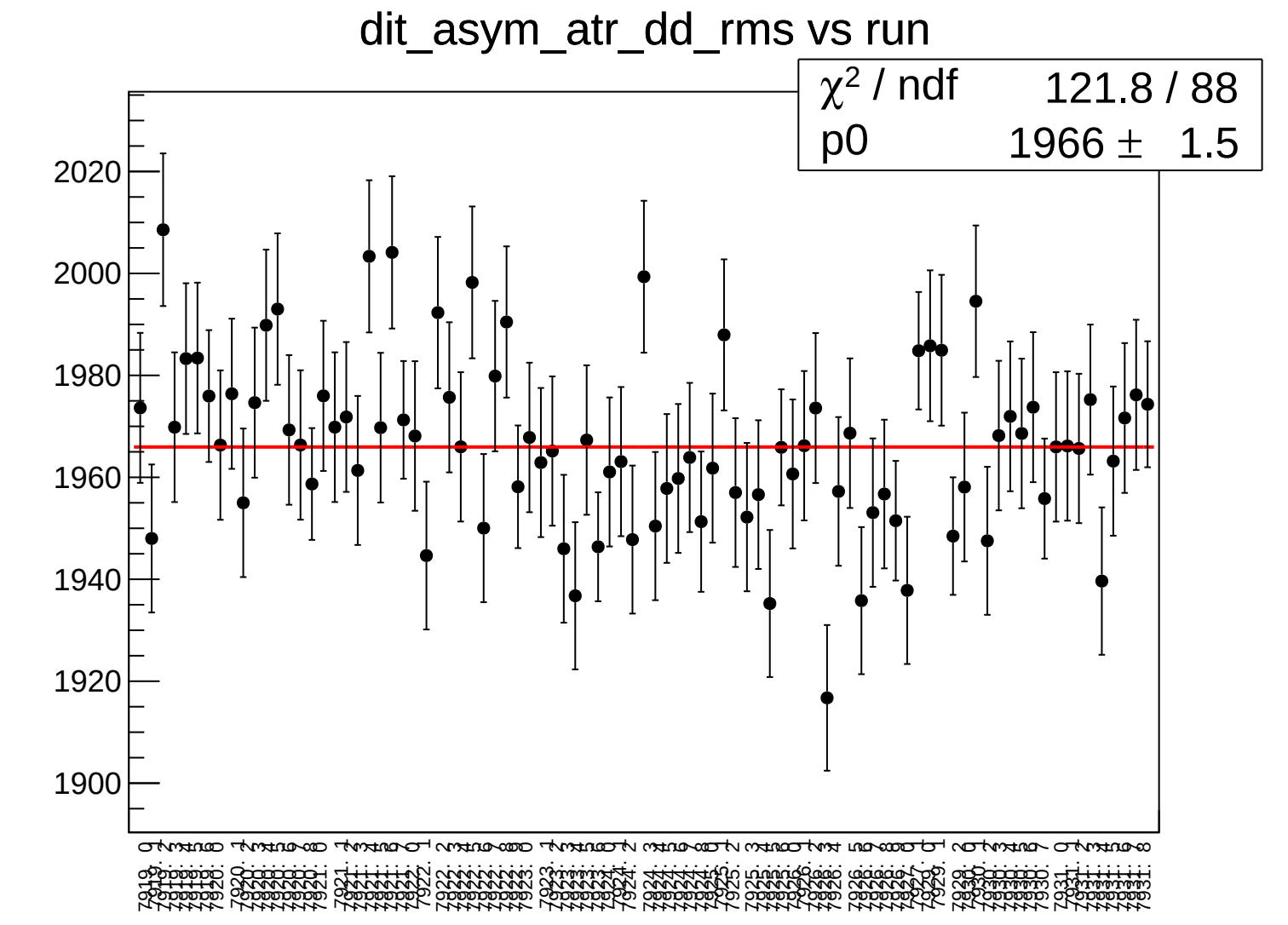

asym_atr_avg_mean vs run
×10^3
χ² / ndf 85.18 / 88
p0 −7874 ± 8394
300
200
100
0
−100
−200
−300
pull
Entries 89
Mean 158.2
Std Dev 117.3
3
2
1
0
−1
−2

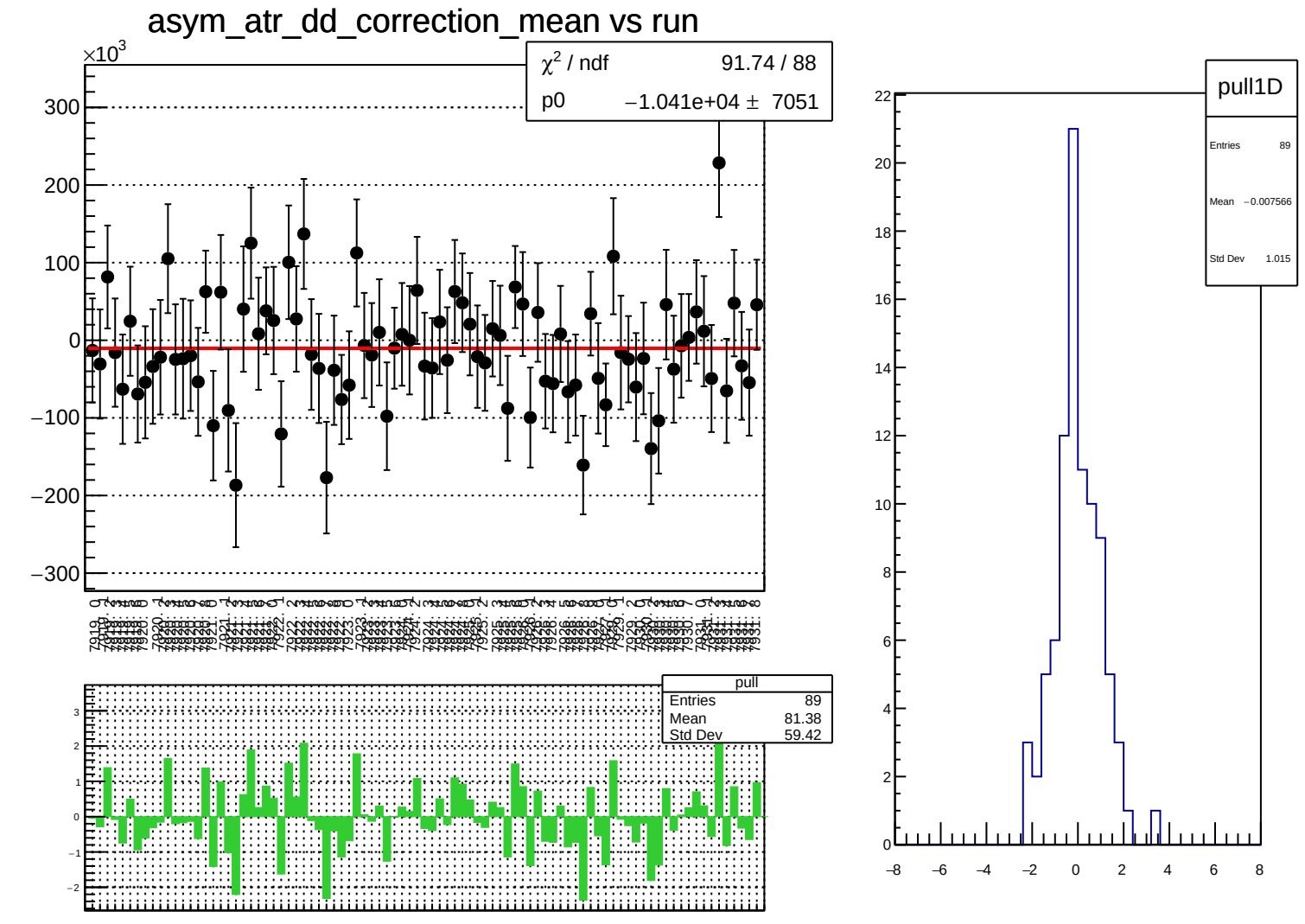

pull1D
Entries 89
Mean −0.008462
Std Dev 0.9783
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

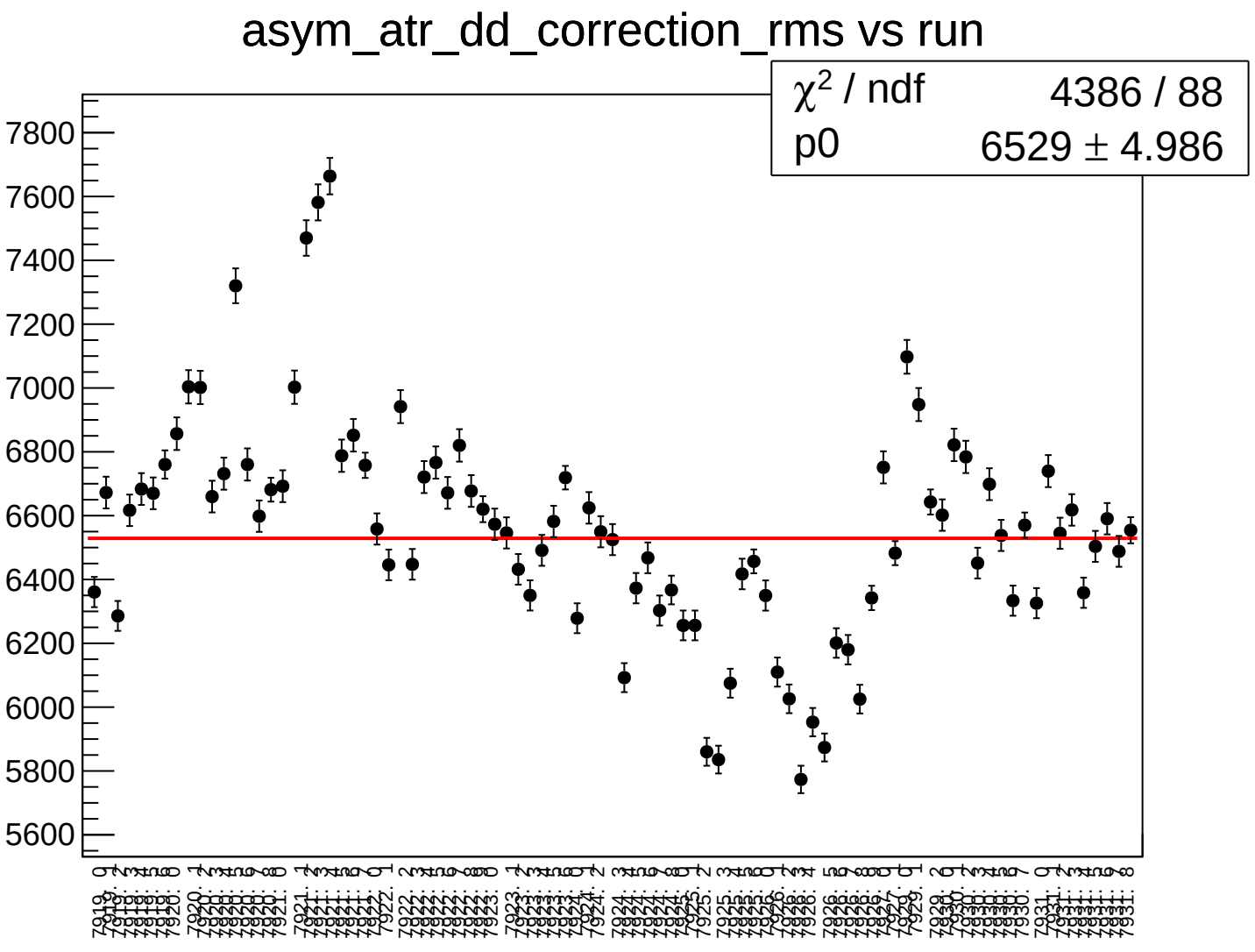

asym_atr_avg_rms vs run
χ^2 / ndf 3641 / 88
p0 7774 ± 5.936
9000
8500
8000
7500
7000

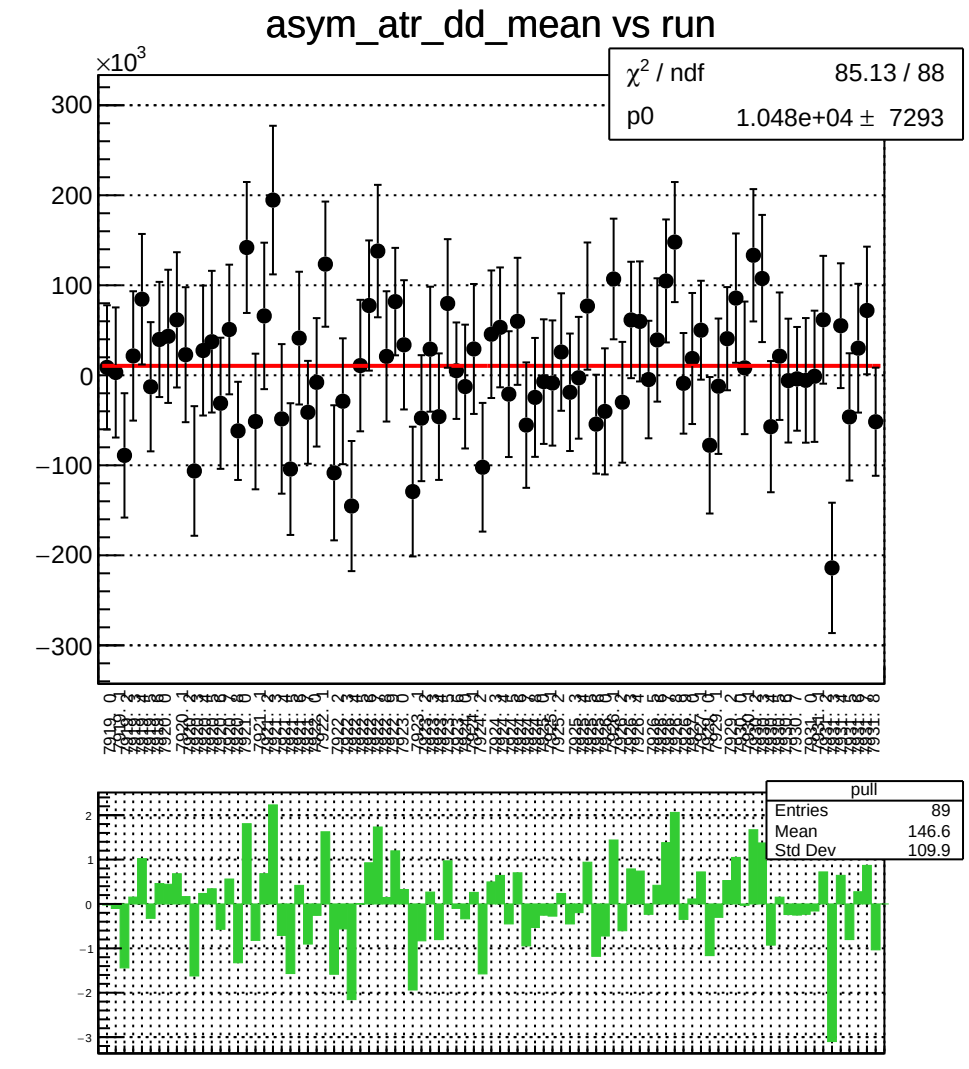

dit_asym_atr_dd_mean vs run
χ² / ndf 91.89 / 88
p0 36.94 ± 2121
pull
Entries 89
Mean 1.11e+04
Std Dev 1.105e+04

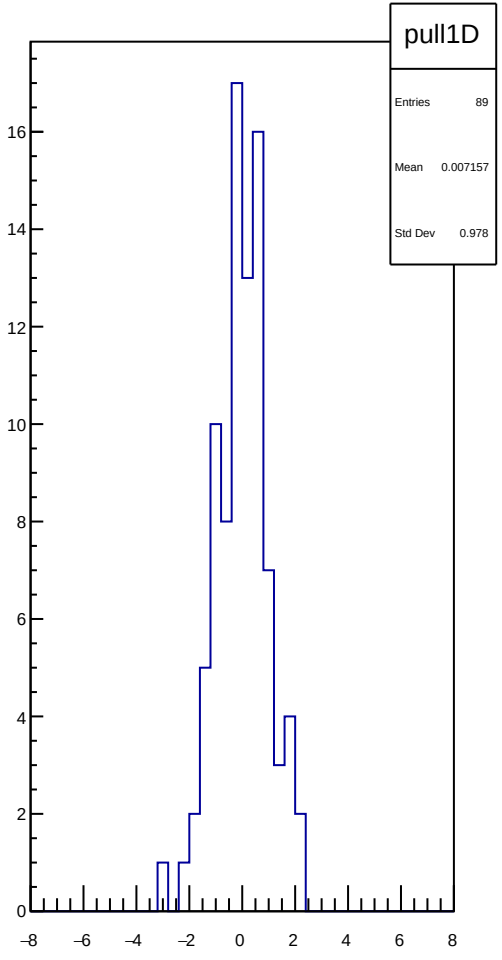

pull1D
Entries 89
Mean 0.0001449
Std Dev 1.016

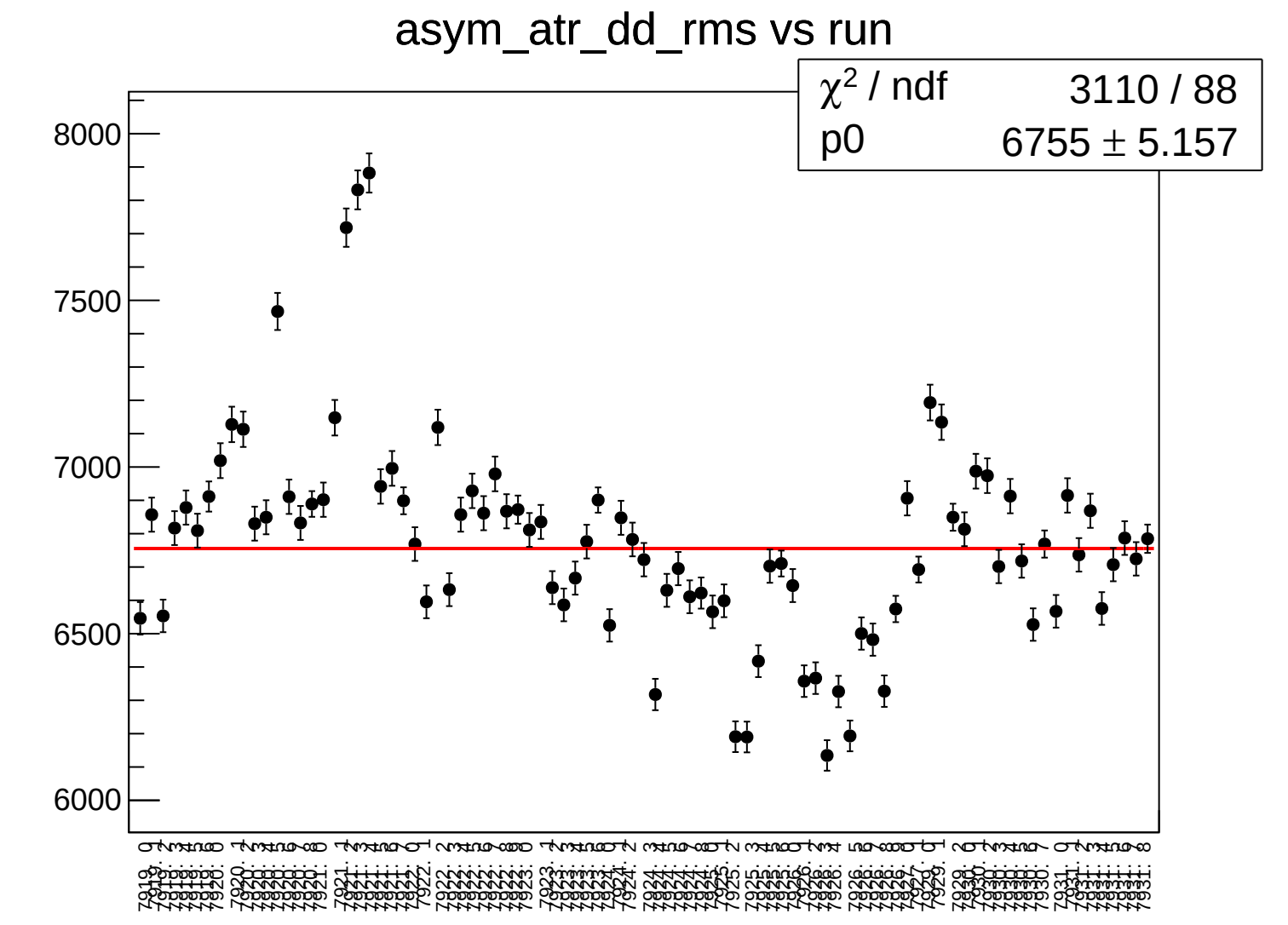

dit_asym_atr_dd_rms vs run
χ² / ndf 121.8 / 88
p0 1966 ± 1.5
2020
2000
1980
1960
1940
1920
1900

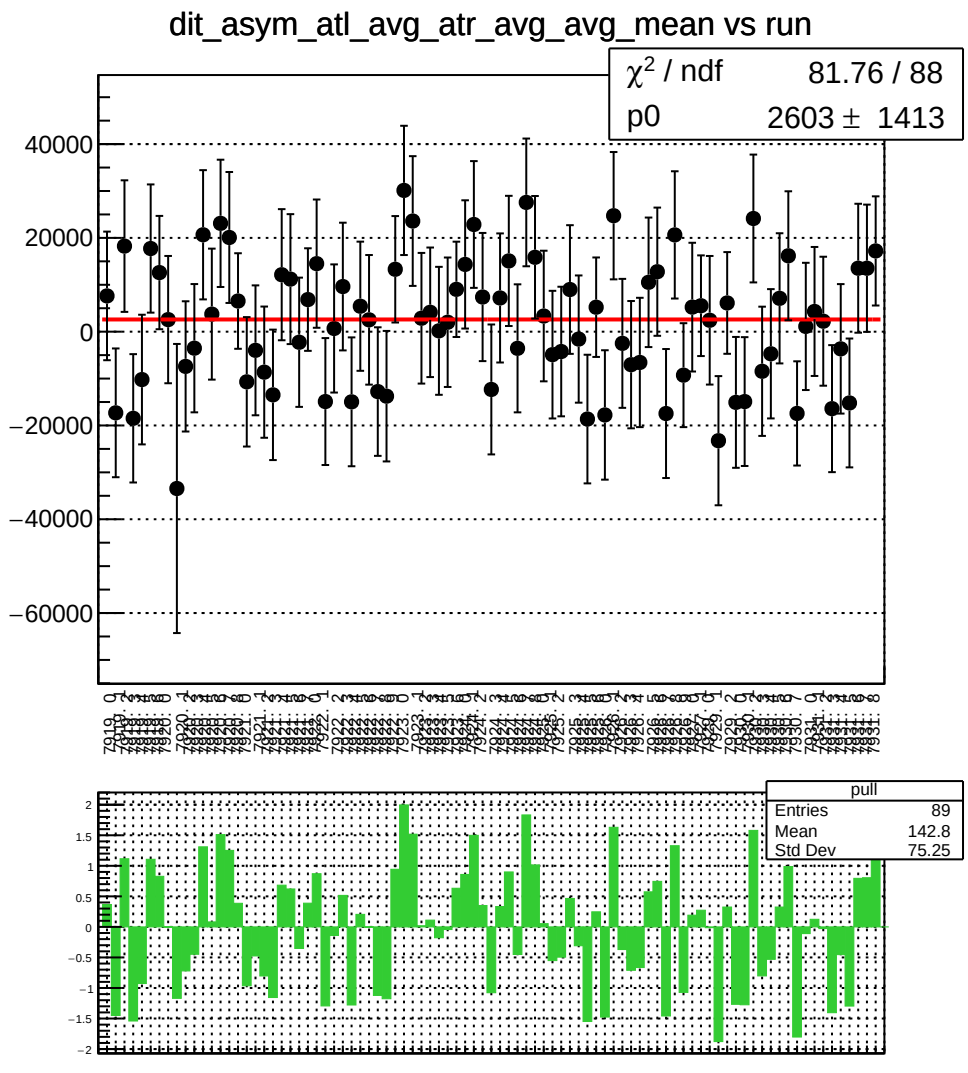

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 91.74 / 88
p0 −1.041e+04 ± 7051
pull
Entries 89
Mean 81.38
Std Dev 59.42
pull1D
Entries 89
Mean −0.007566
Std Dev 1.015

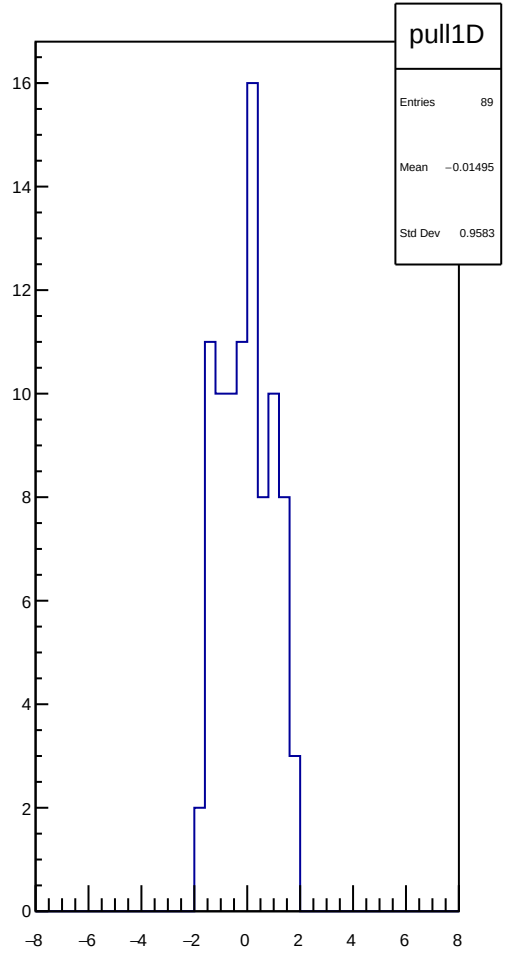

asym_atr_dd_correction_rms vs run
χ² / ndf 4386 / 88
p0 6529 ± 4.986
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

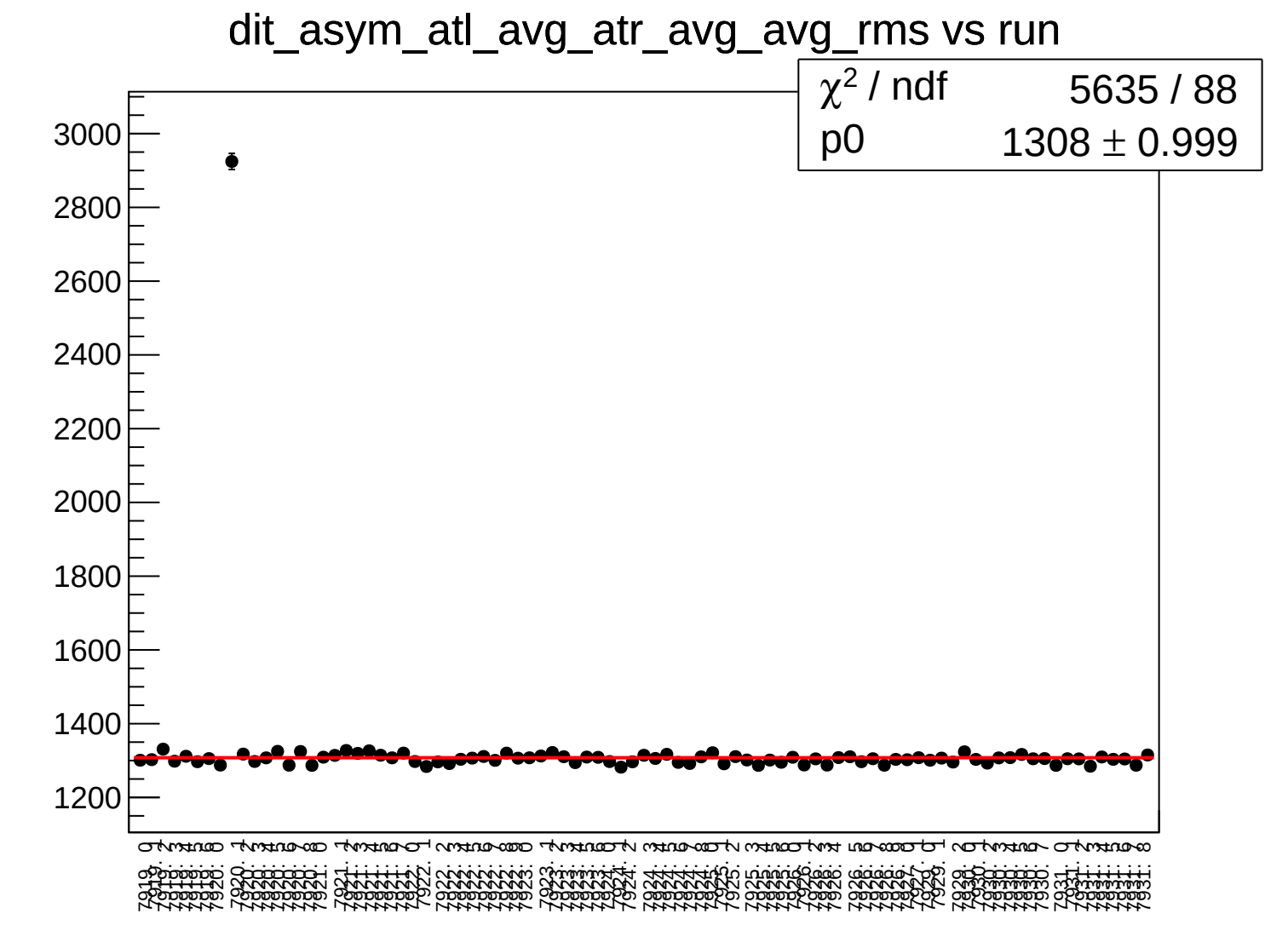

asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.13 / 88
p0 1.048e+04 ± 7293
pull
Entries 89
Mean 146.6
Std Dev 109.9

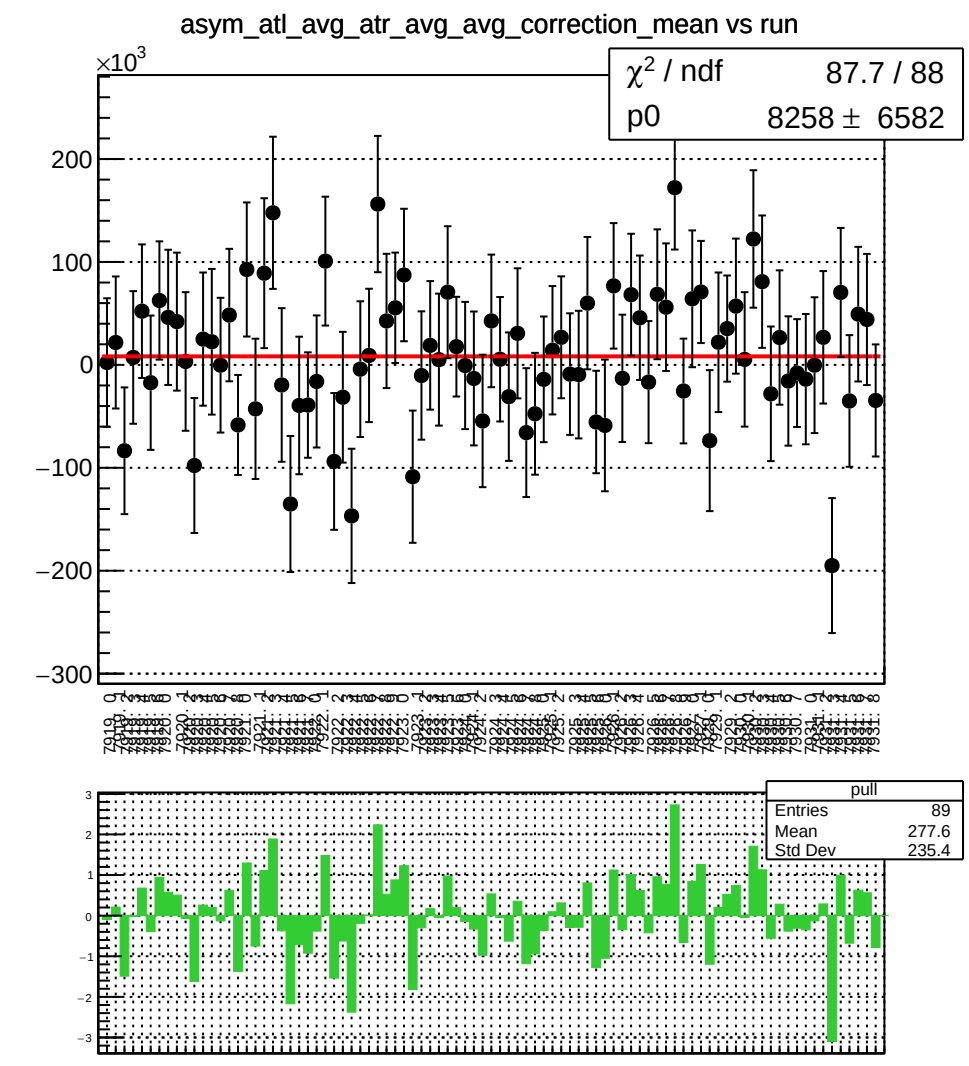

pull1D
Entries 89
Mean 0.007157
Std Dev 0.978

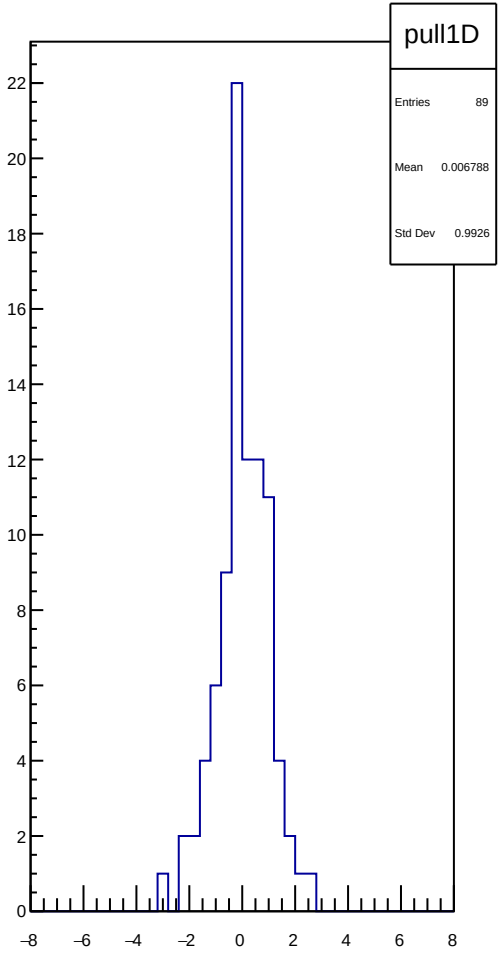

asym_atr_dd_rms vs run
χ² / ndf 3110 / 88
p0 6755 ± 5.157
8000
7500
7000
6500
6000

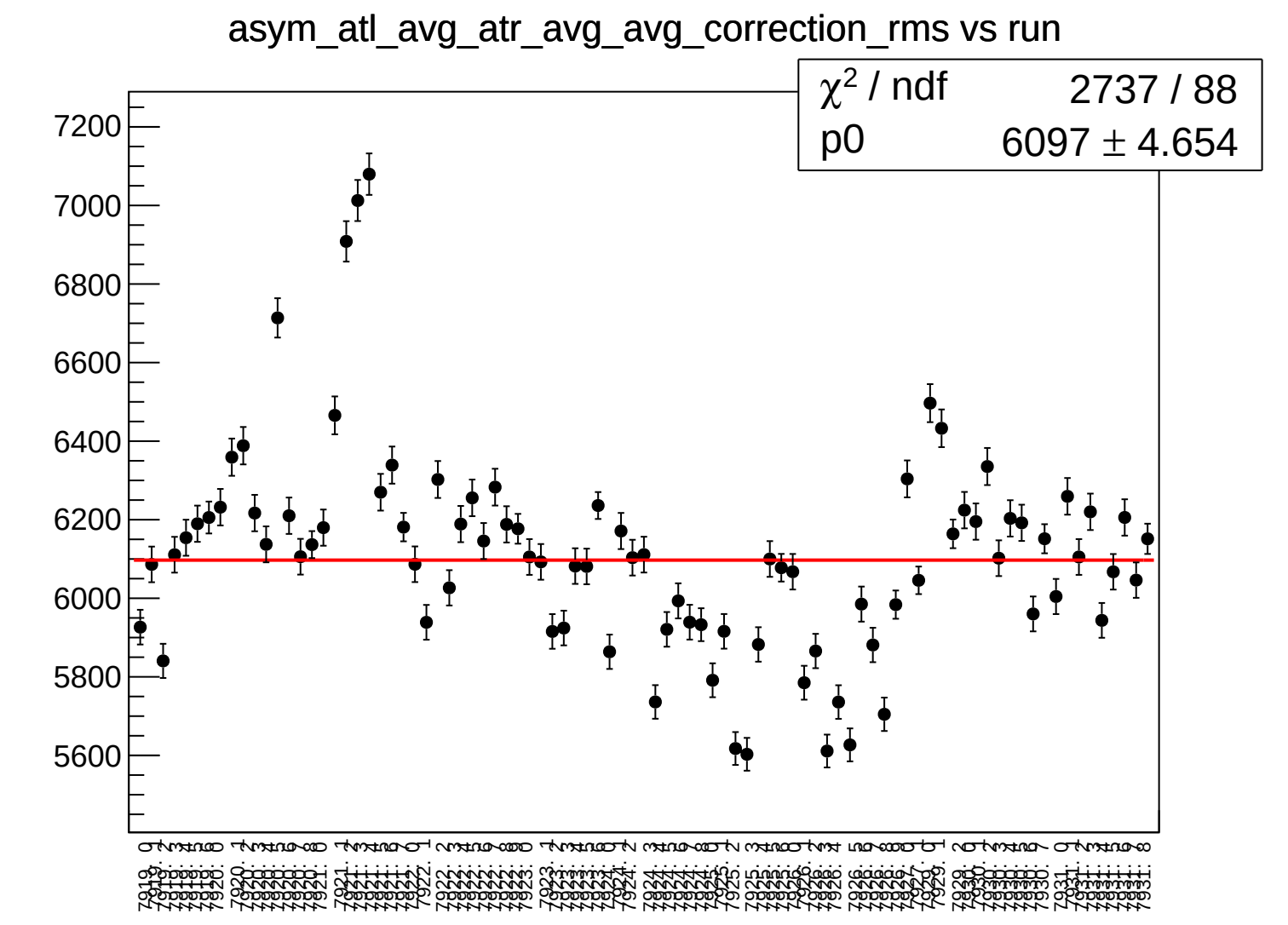

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 81.76 / 88
p0 2603 ± 1413
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 142.8
Std Dev 75.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

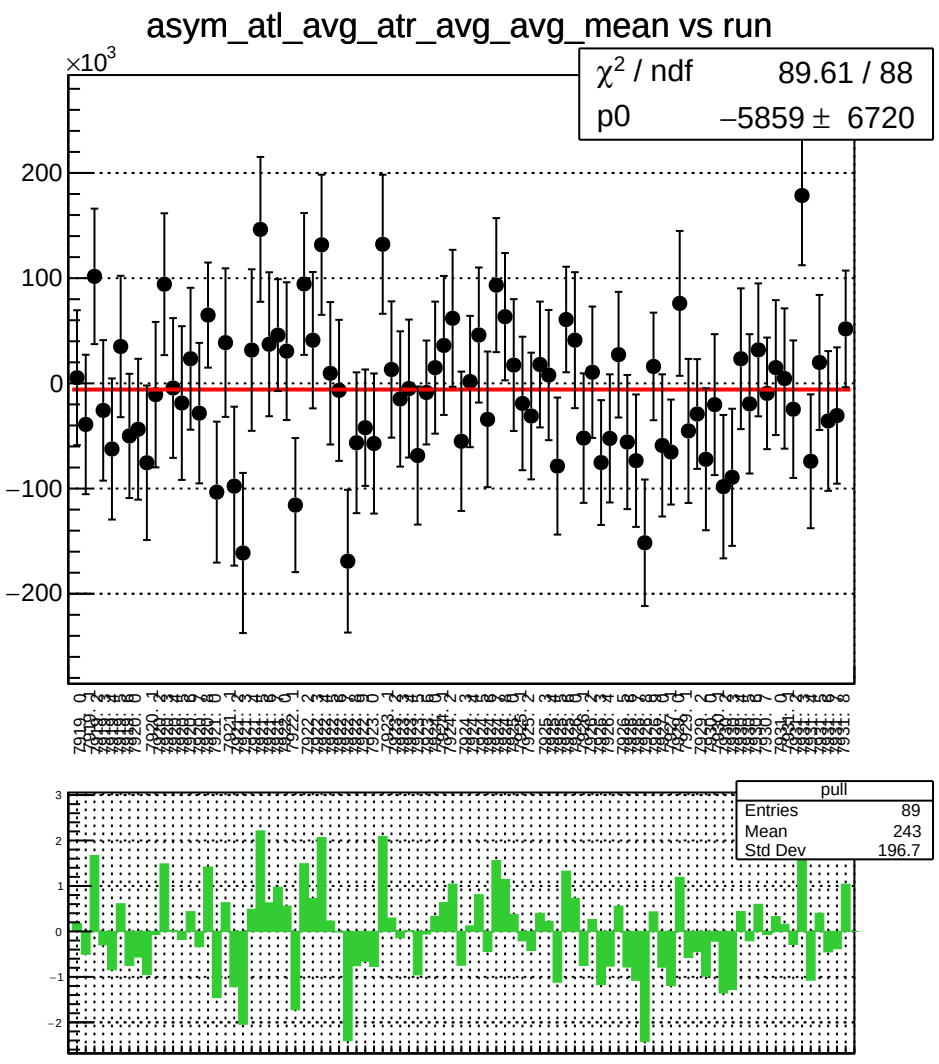

pull1D
Entries 89
Mean −0.01495
Std Dev 0.9583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

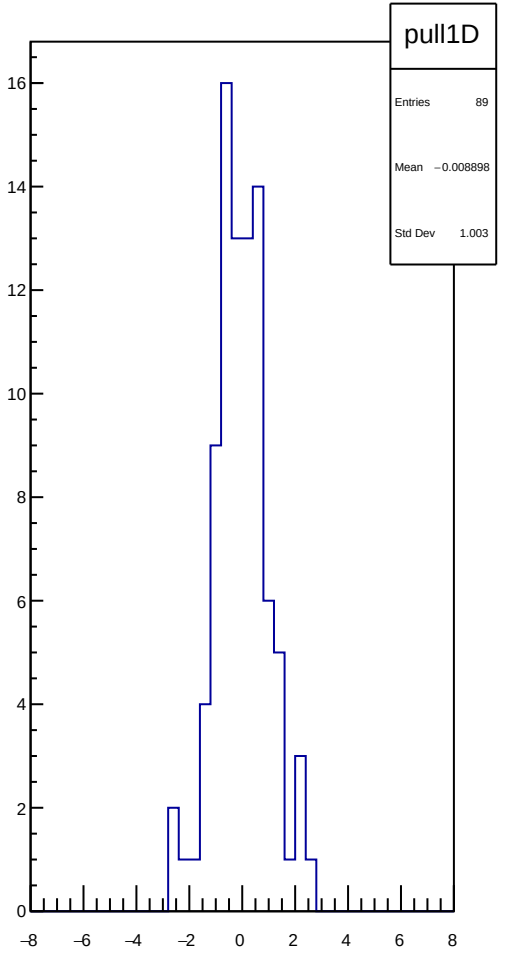

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5635 / 88
p0 1308 ± 0.999
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

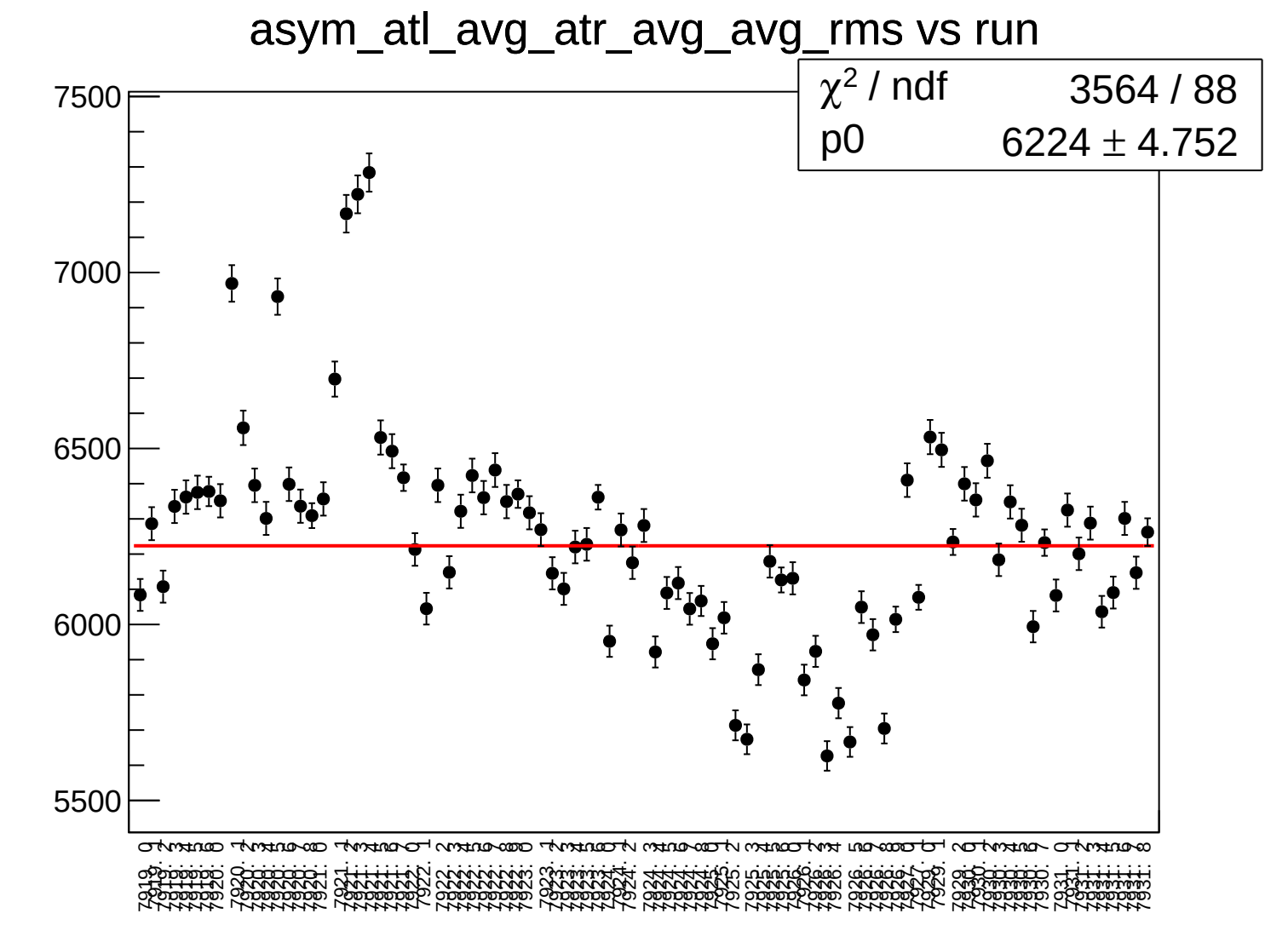

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 87.7 / 88
p0 8258 ± 6582
200
100
0
−100
−200
−300
pull
Entries 89
Mean 277.6
Std Dev 235.4
3
2
1
0
−1
−2
−3

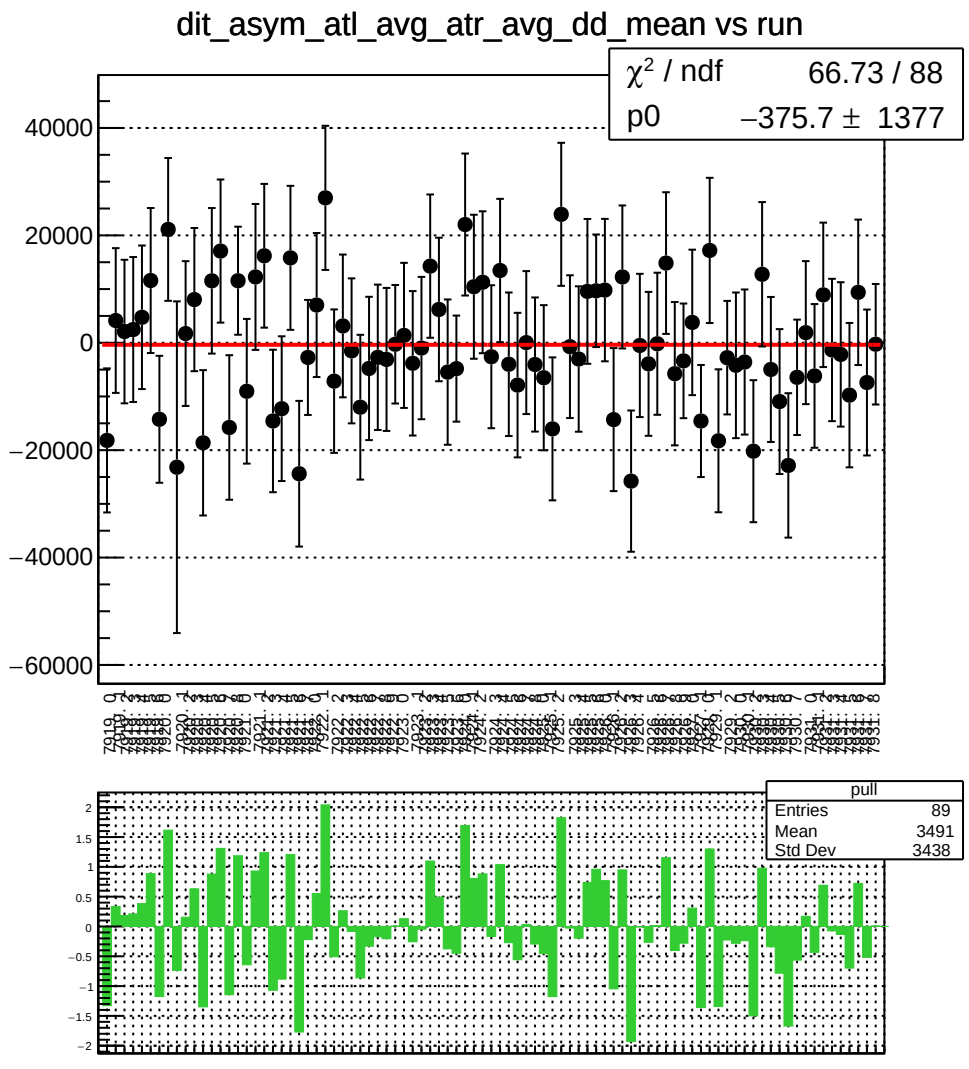

pull1D
Entries 89
Mean 0.006788
Std Dev 0.9926
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

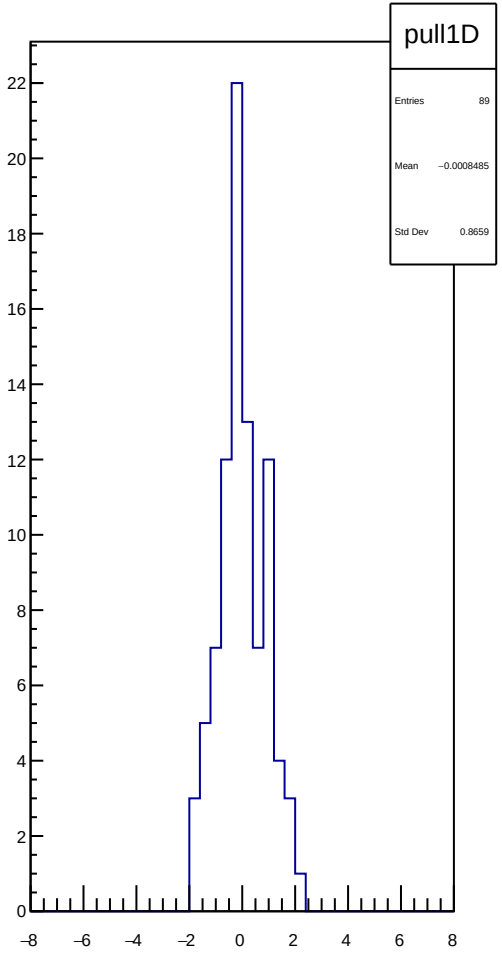

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2737 / 88
p0 6097 ± 4.654
7200
7000
6800
6600
6400
6200
6000
5800
5600

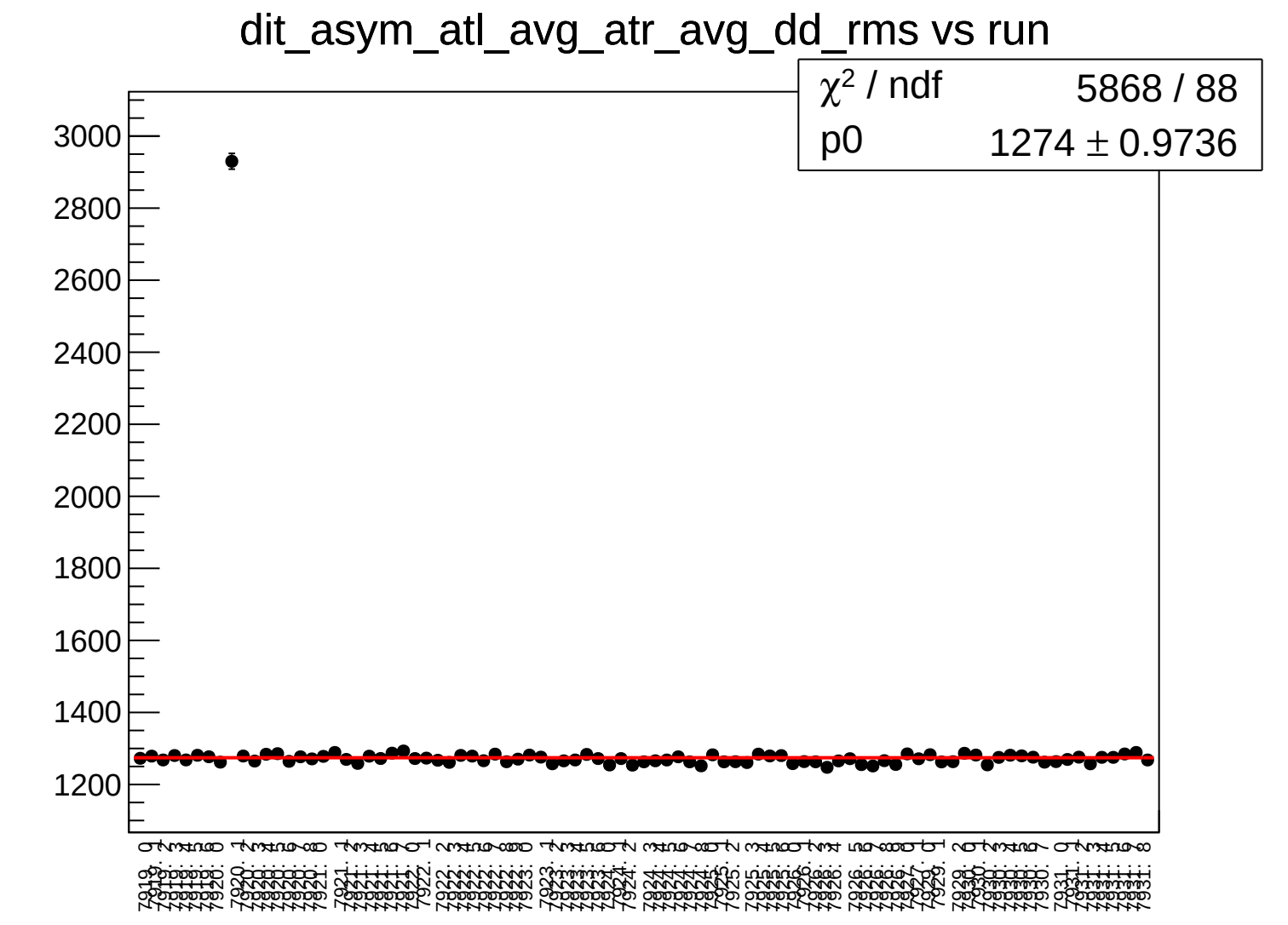

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 89.61 / 88
p0 −5859 ± 6720
200
100
0
−100
−200
pull
Entries 89
Mean 243
Std Dev 196.7
3
2
1
0
−1
−2

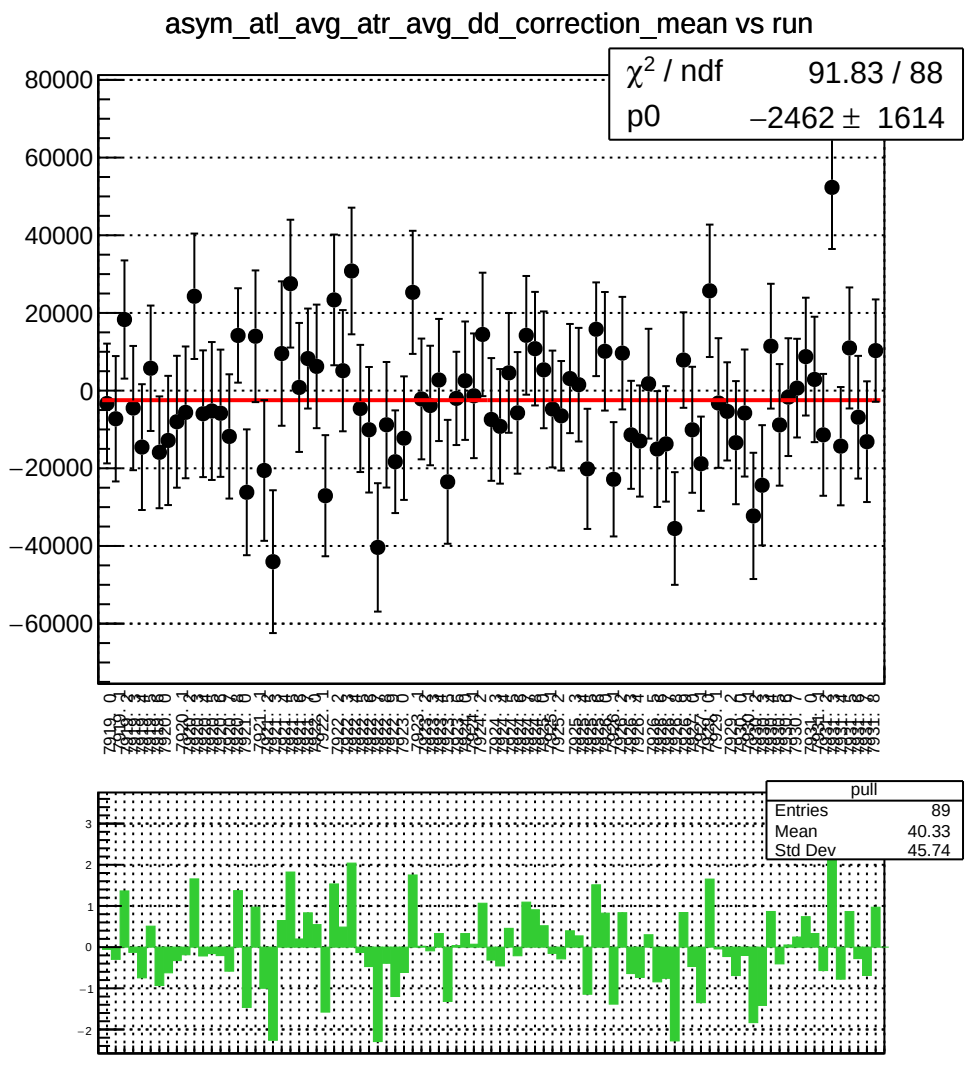

pull1D
Entries 89
Mean −0.008898
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

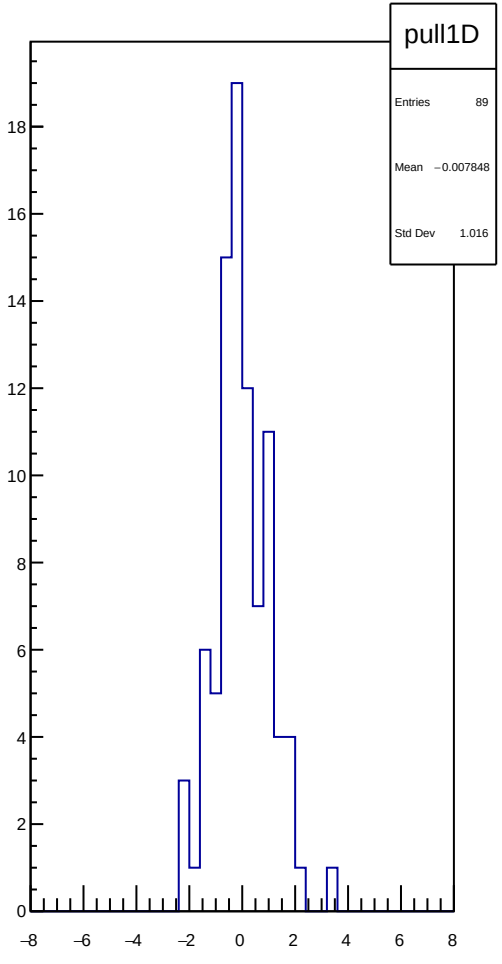

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 3564 / 88
p0 6224 ± 4.752
7500
7000
6500
6000
5500

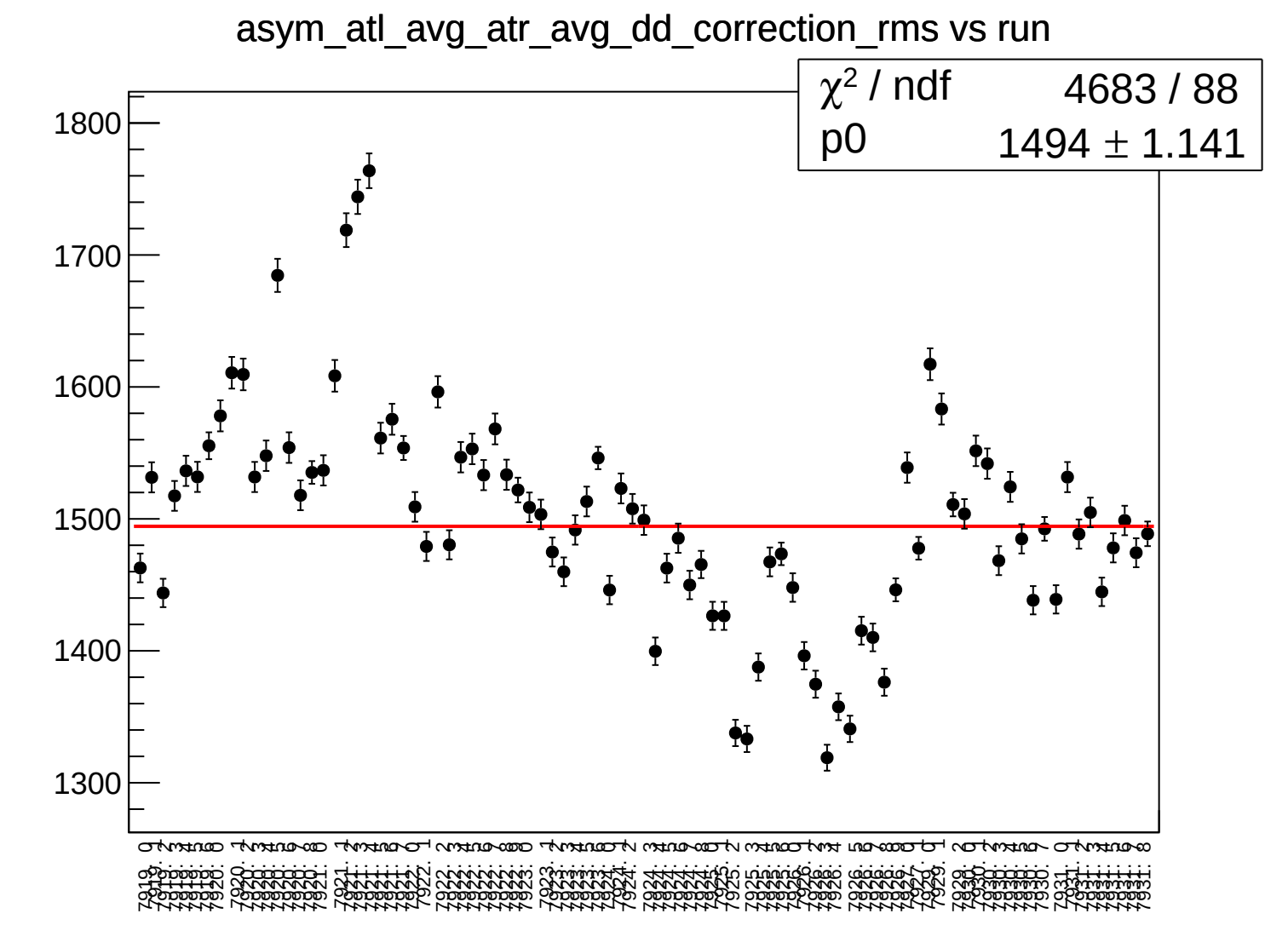

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.73 / 88
p0 −375.7 ± 1377
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 3491
Std Dev 3438
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

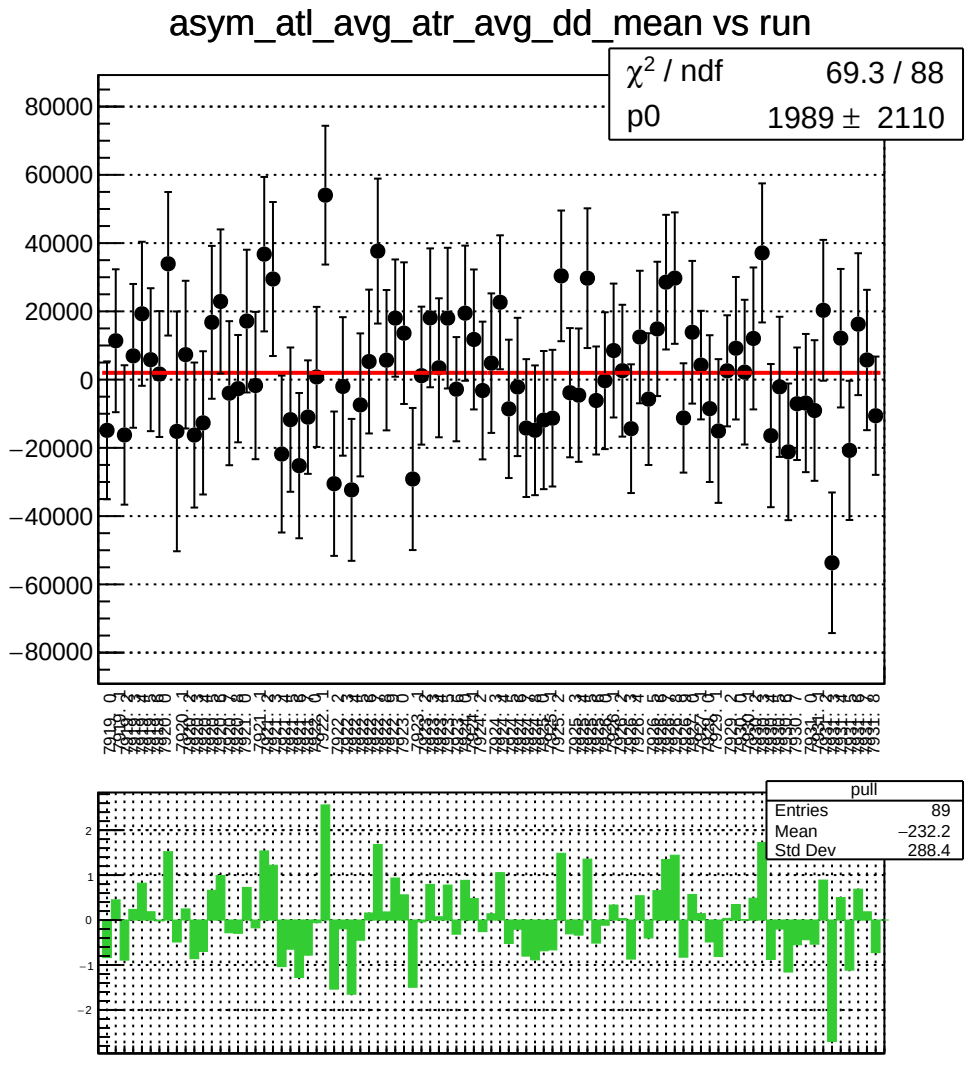

pull1D
Entries 89
Mean −0.0008485
Std Dev 0.8659
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

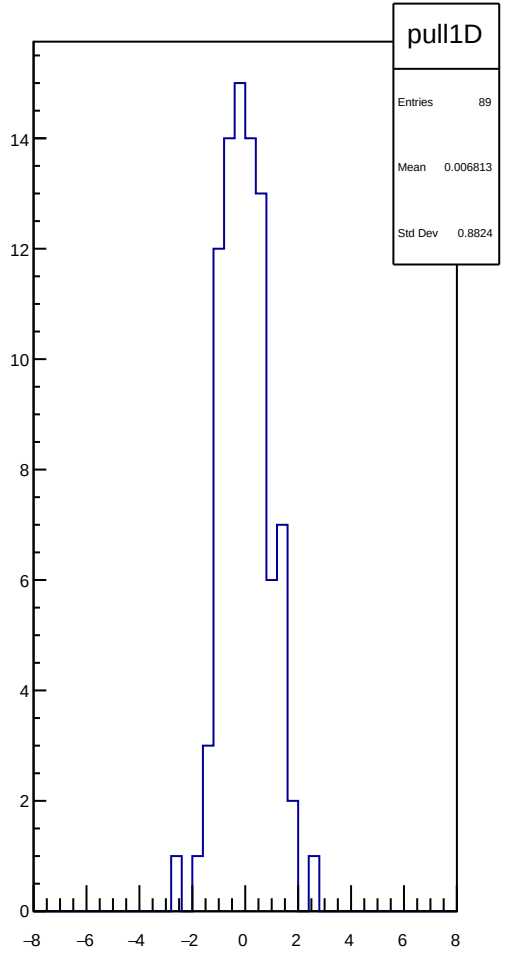

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5868 / 88
p0 1274 ± 0.9736
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

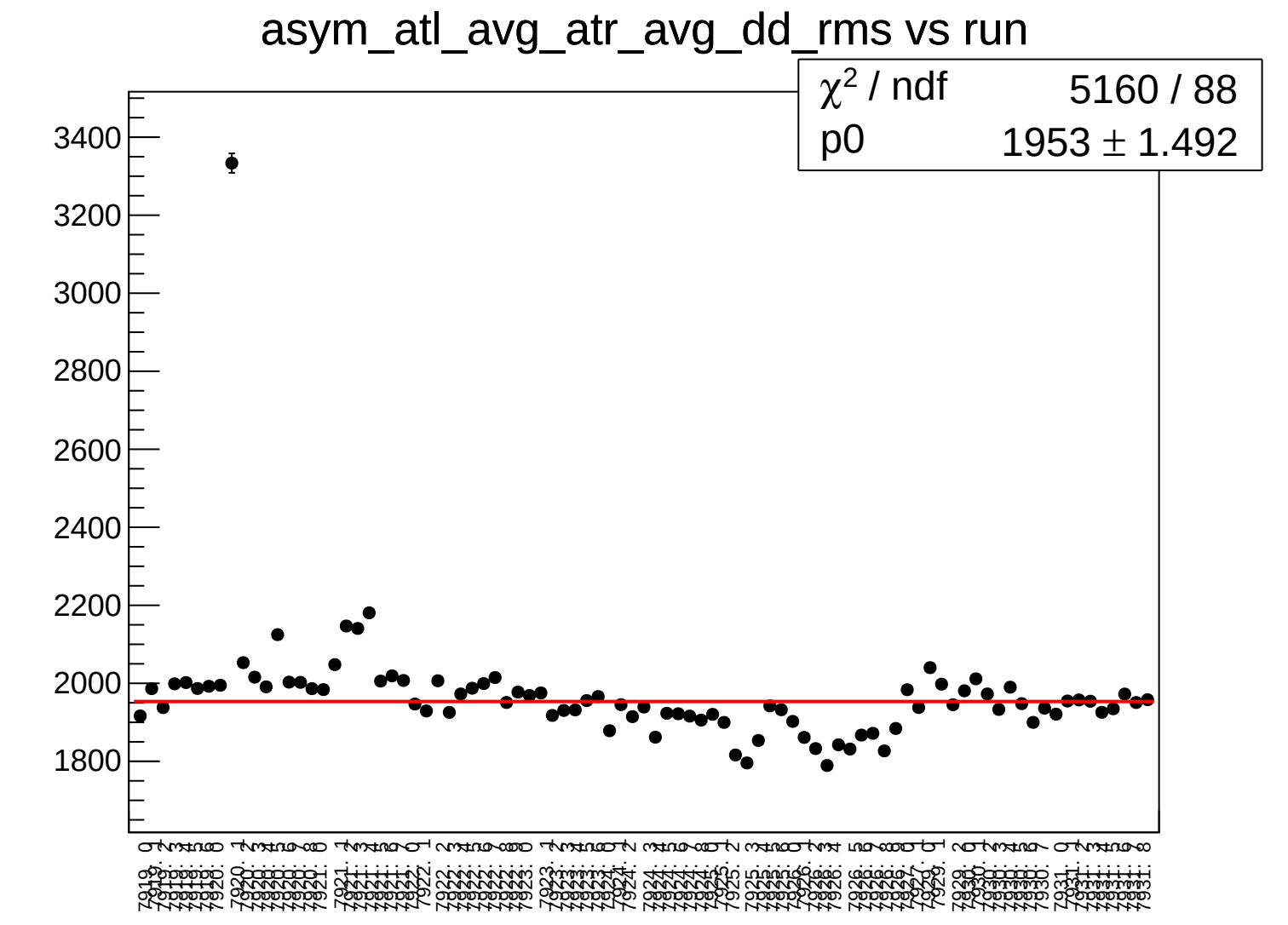

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 91.83 / 88
p0 −2462 ± 1614
pull
Entries 89
Mean 40.33
Std Dev 45.74

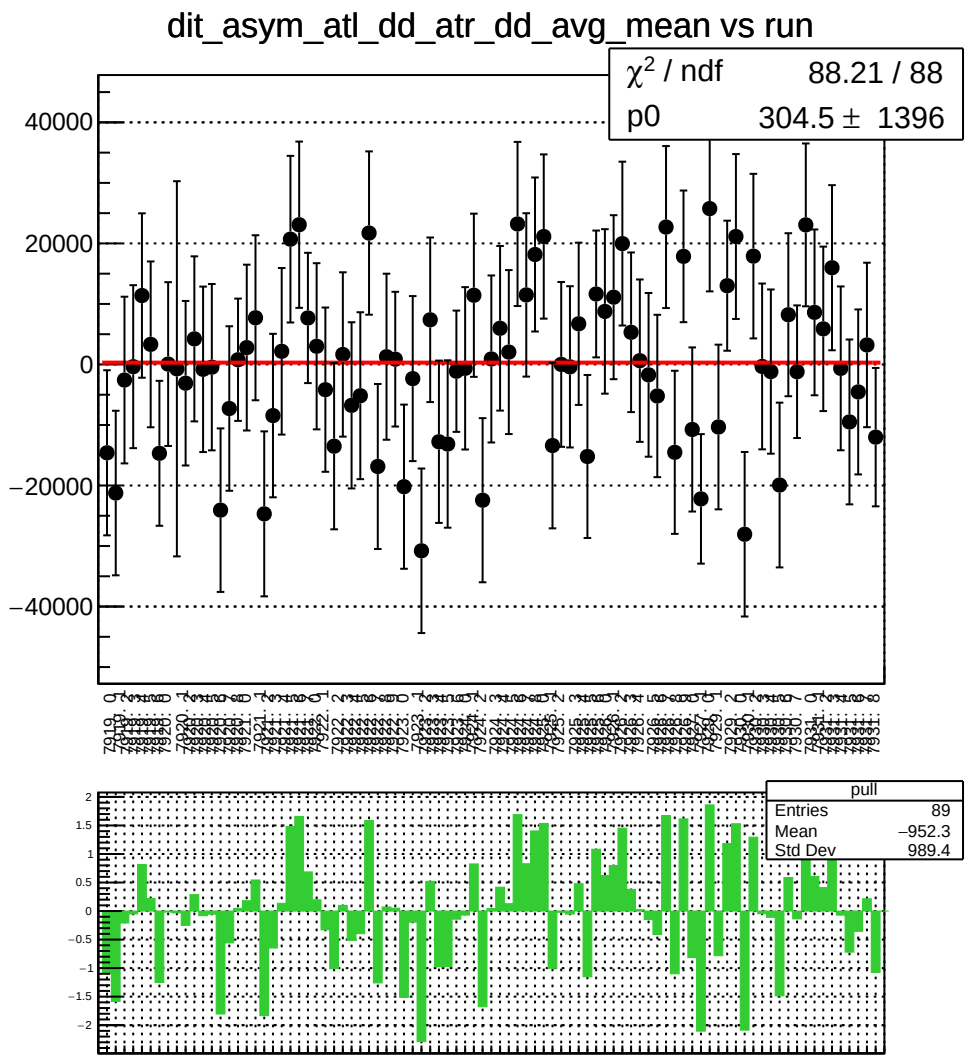

pull1D
Entries 89
Mean −0.007848
Std Dev 1.016

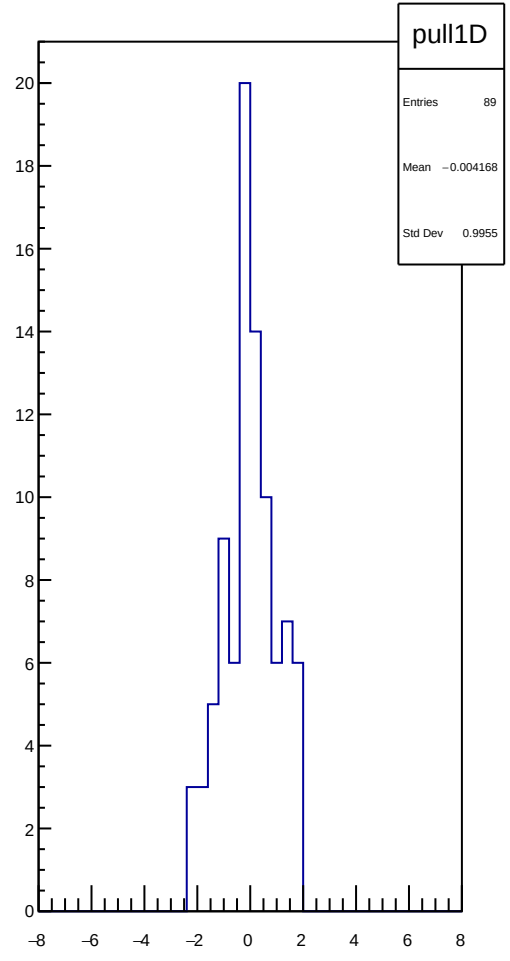

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4683 / 88
p0 1494 ± 1.141
1800
1700
1600
1500
1400
1300

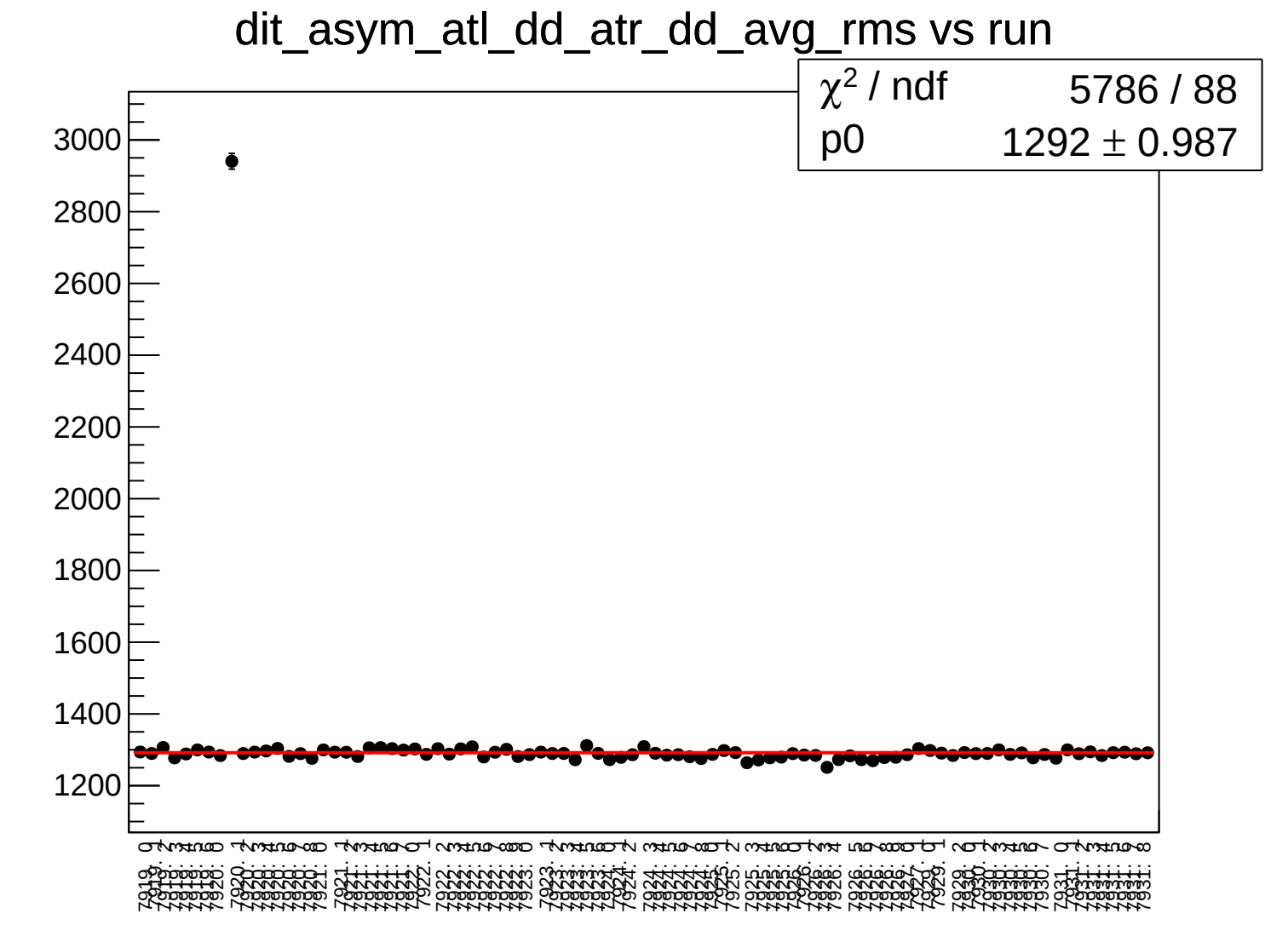

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 69.3 / 88
p0 1989 ± 2110
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 89
Mean −232.2
Std Dev 288.4
2
1
0
−1
−2

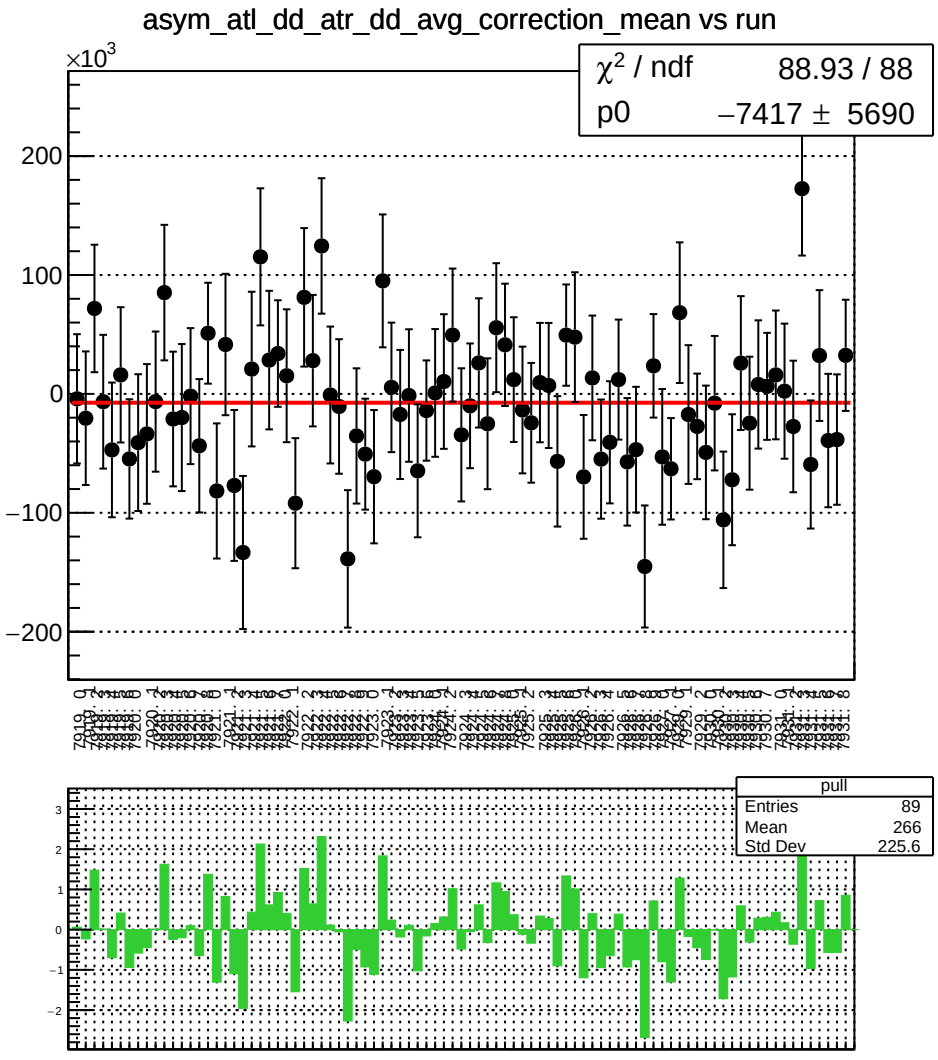

pull1D
Entries 89
Mean 0.006813
Std Dev 0.8824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

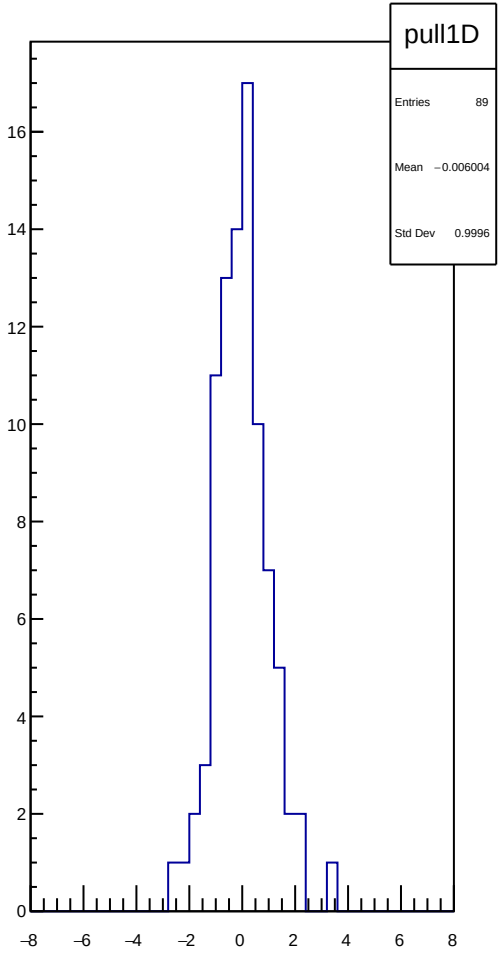

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5160 / 88
p0 1953 ± 1.492
3400
3200
3000
2800
2600
2400
2200
2000
1800

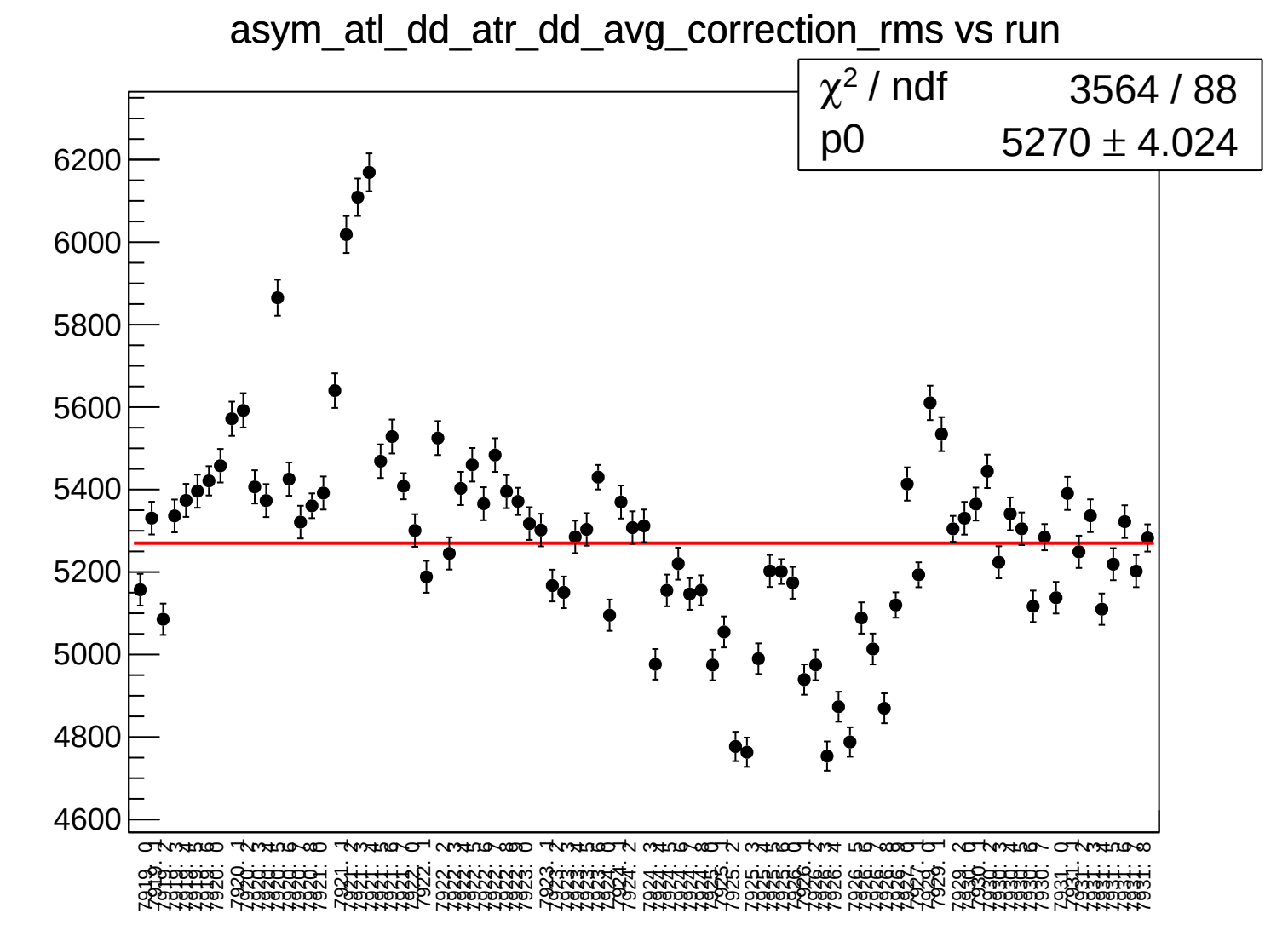

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 88.21 / 88
p0 304.5 ± 1396
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −952.3
Std Dev 989.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

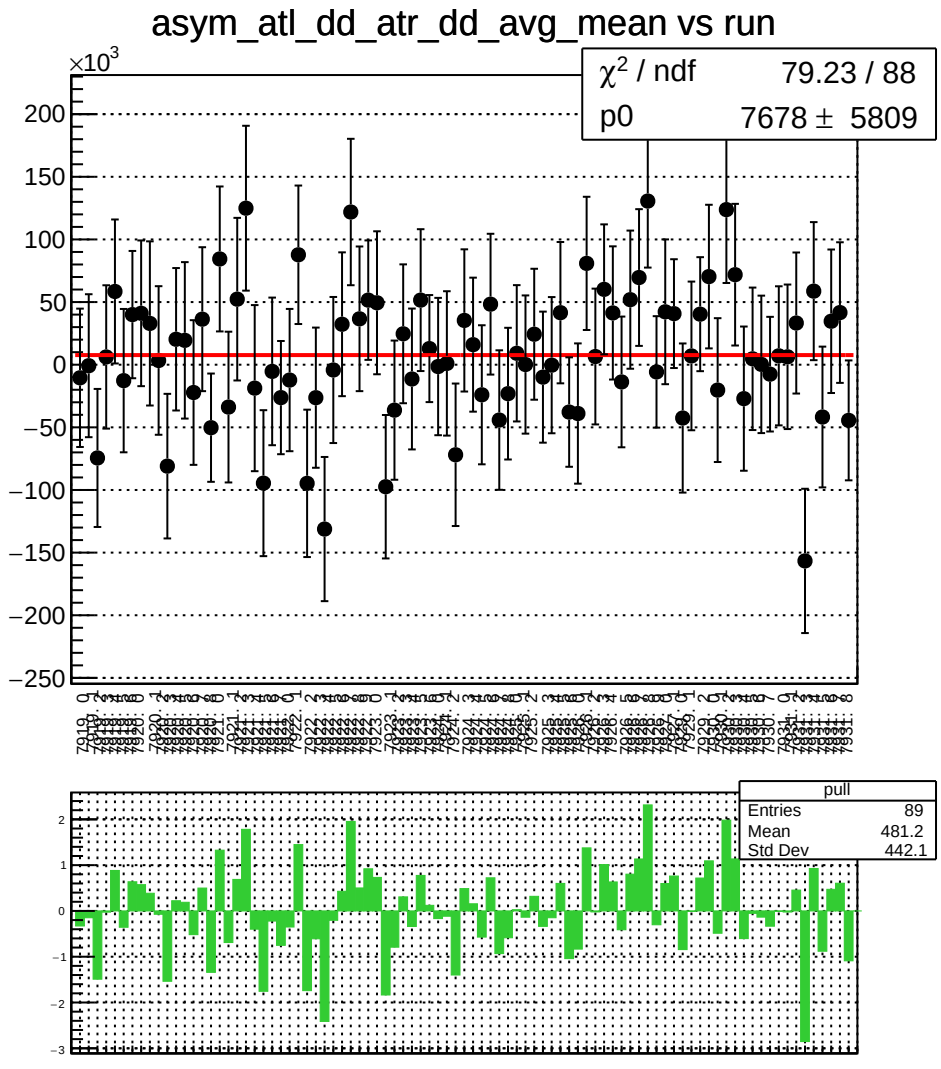

pull1D
Entries 89
Mean −0.004168
Std Dev 0.9955
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

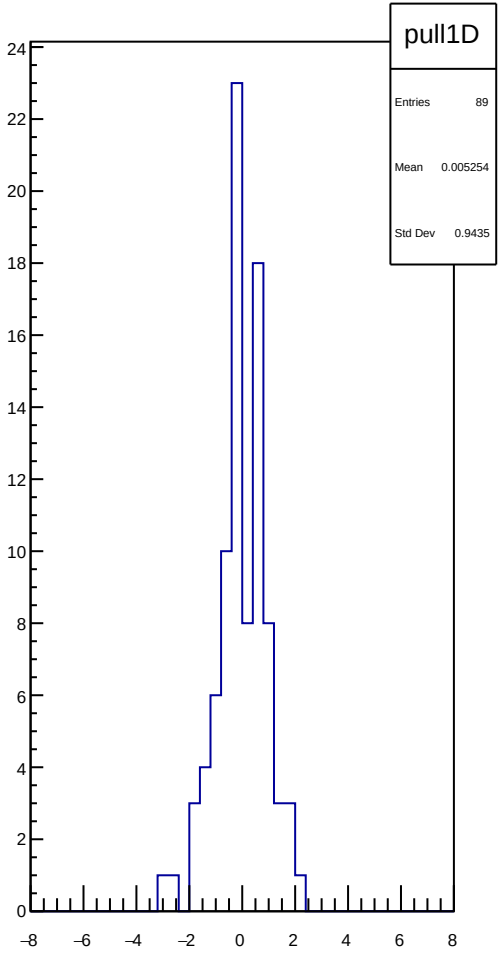

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 5786 / 88
p0 1292 ± 0.987
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

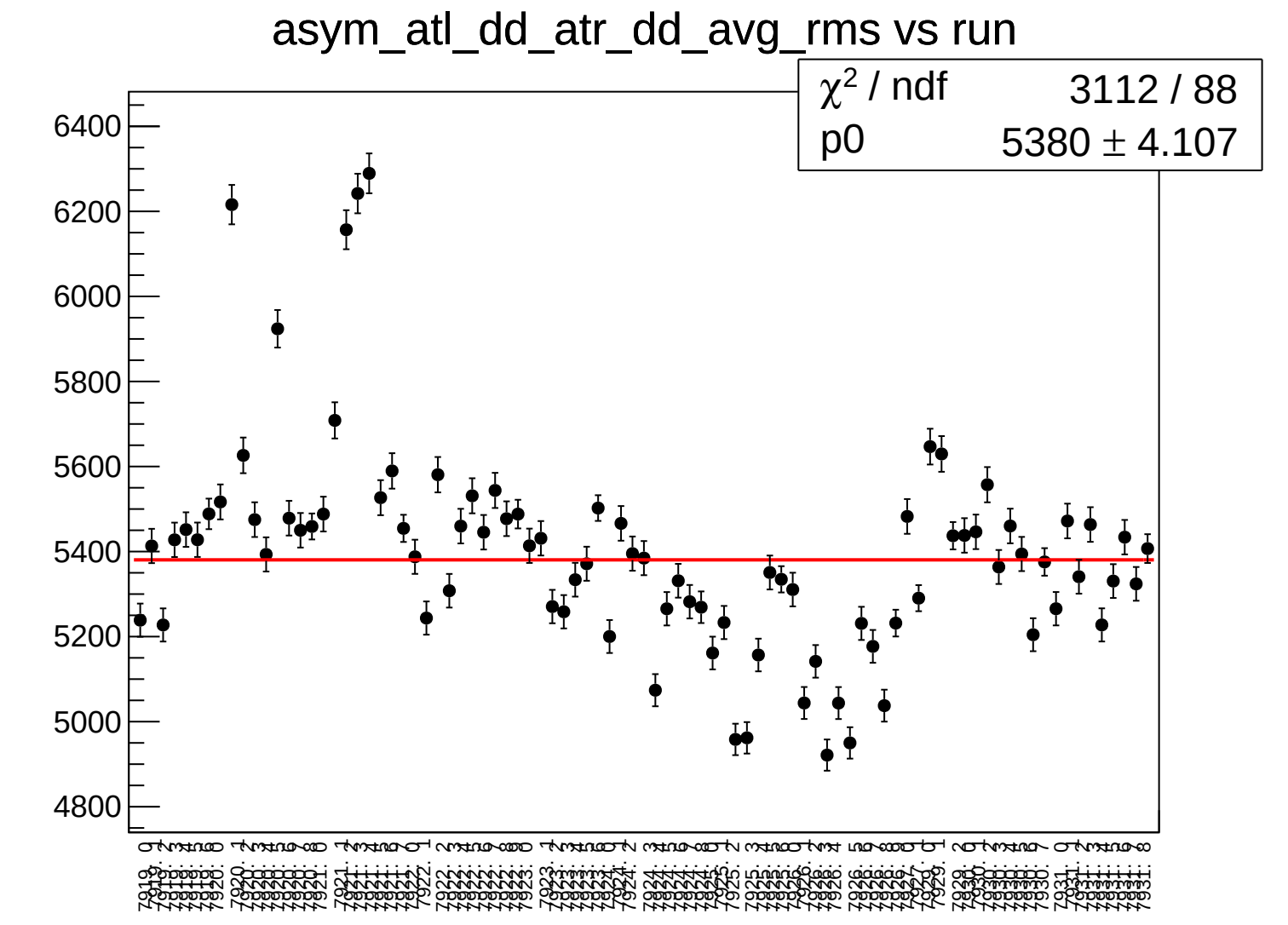

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 88.93 / 88
p0 −7417 ± 5690
200
100
0
−100
−200
pull
Entries 89
Mean 266
Std Dev 225.6
3
2
1
0
−1
−2

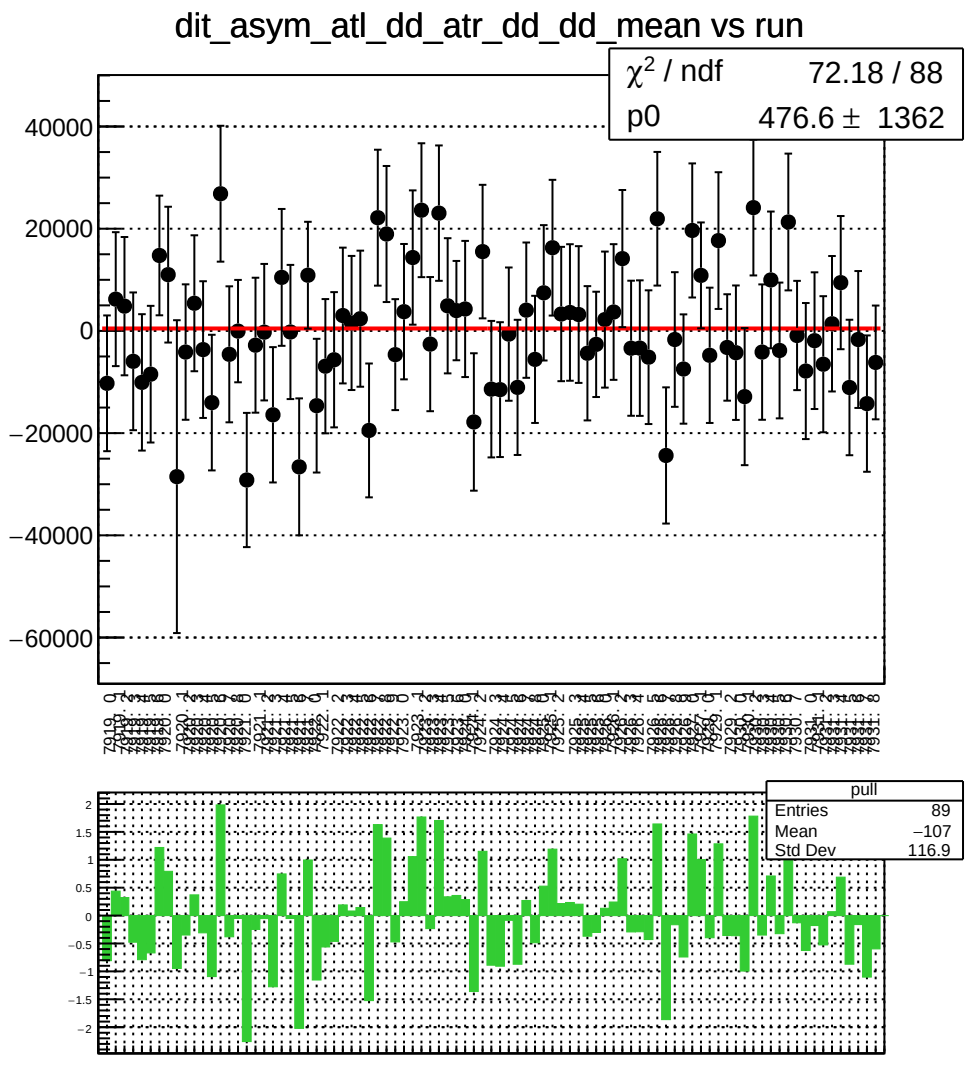

pull1D
Entries 89
Mean −0.006004
Std Dev 0.9996
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

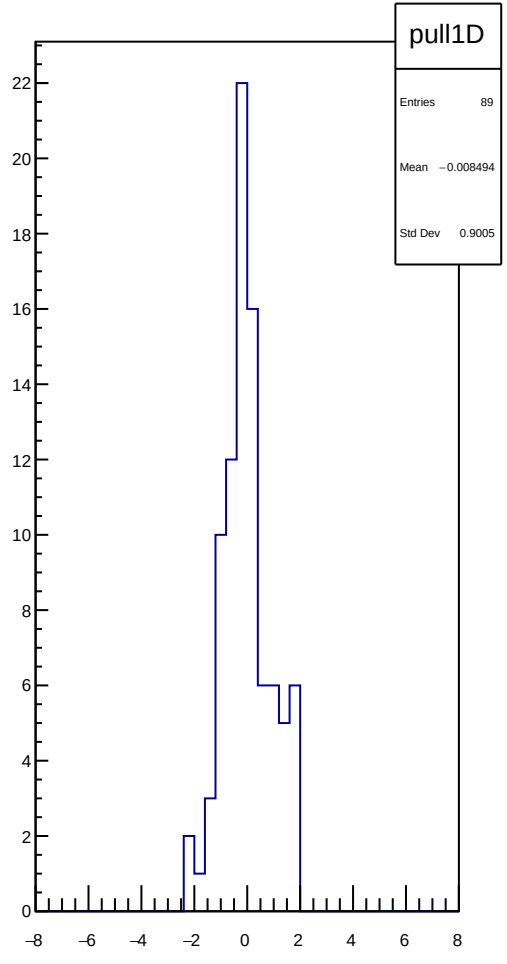

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3564 / 88
p0 5270 ± 4.024
6200
6000
5800
5600
5400
5200
5000
4800
4600

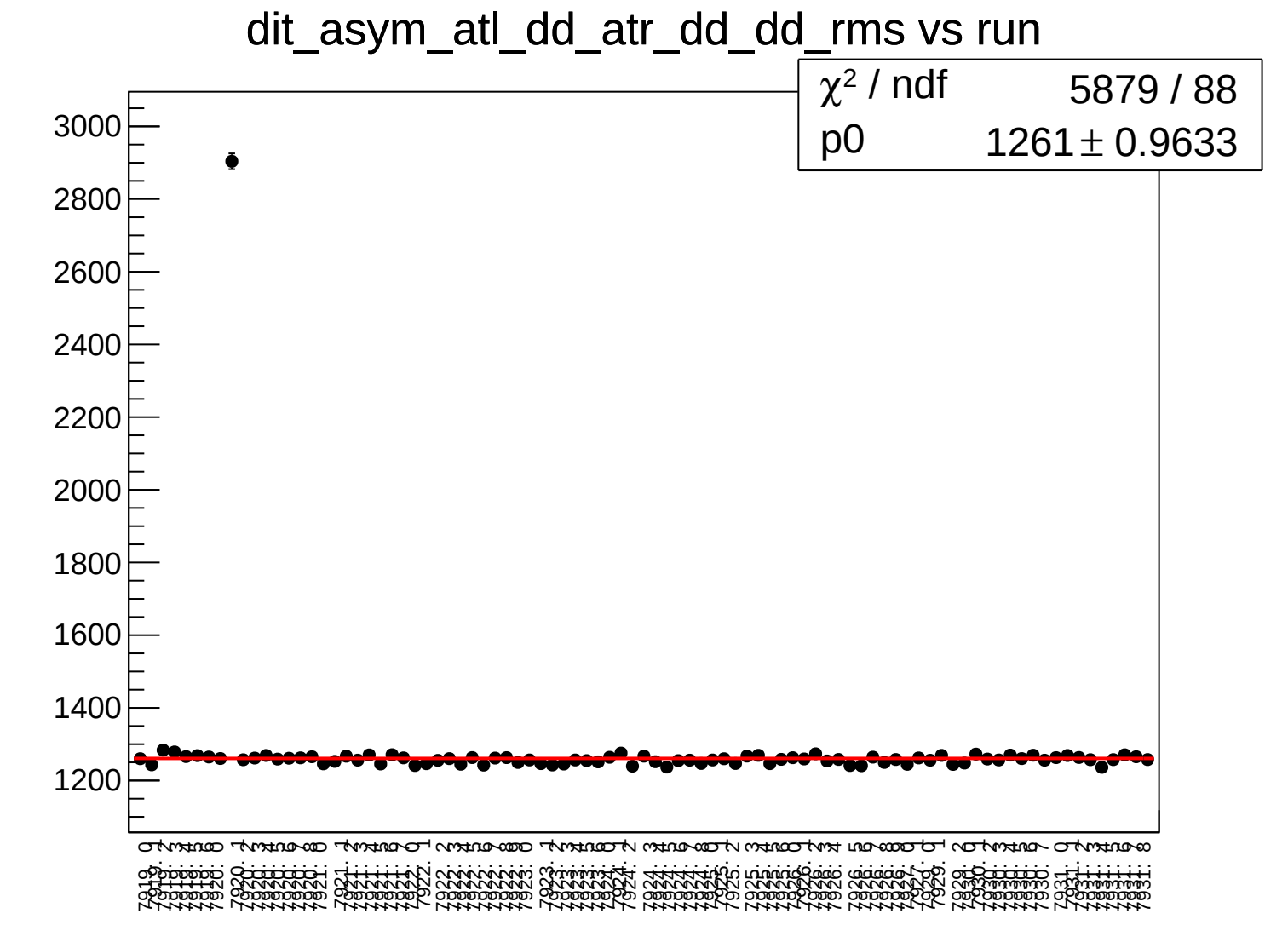

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.23 / 88
p0 7678 ± 5809
×10³
pull
Entries 89
Mean 481.2
Std Dev 442.1

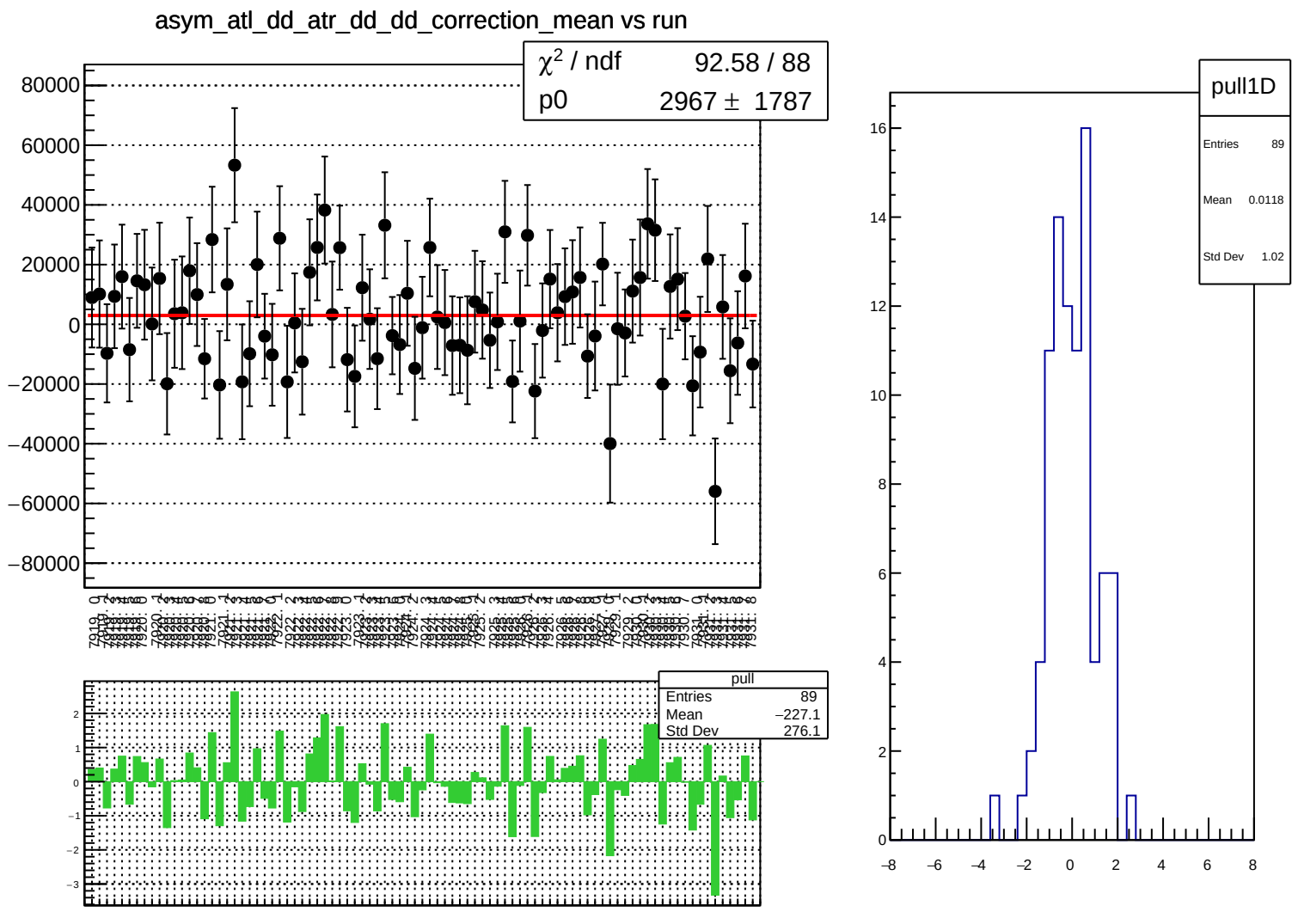

pull1D
Entries 89
Mean 0.005254
Std Dev 0.9435

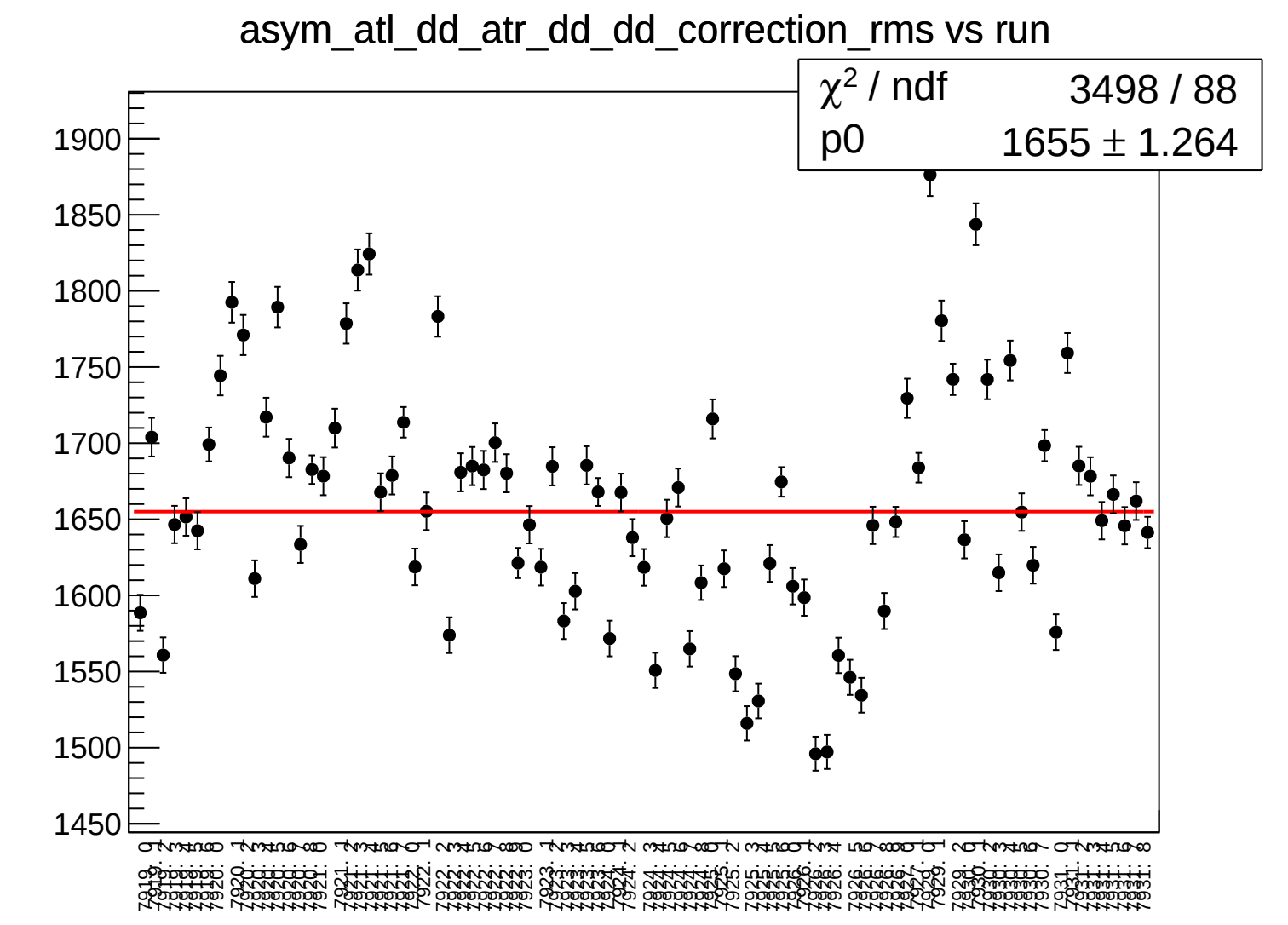

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3112 / 88
p0 5380 ± 4.107
6400
6200
6000
5800
5600
5400
5200
5000
4800

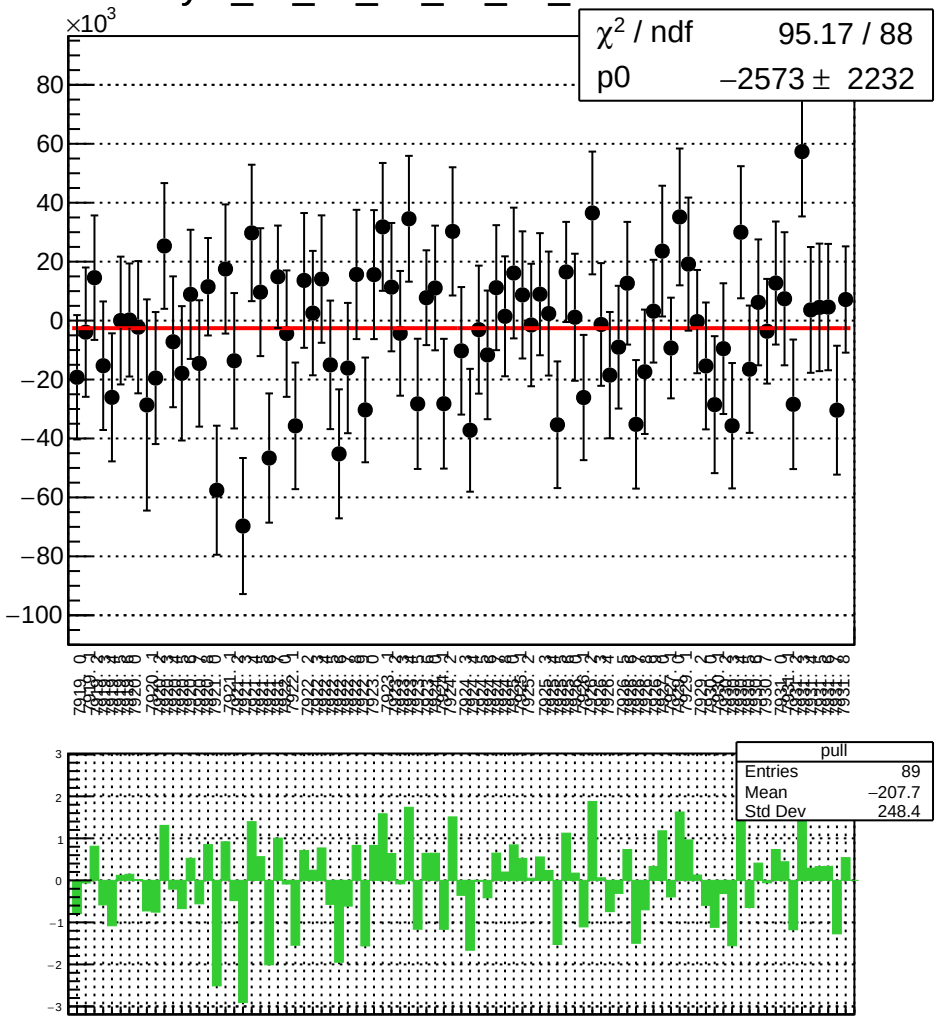

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 72.18 / 88
p0 476.6 ± 1362
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −107
Std Dev 116.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

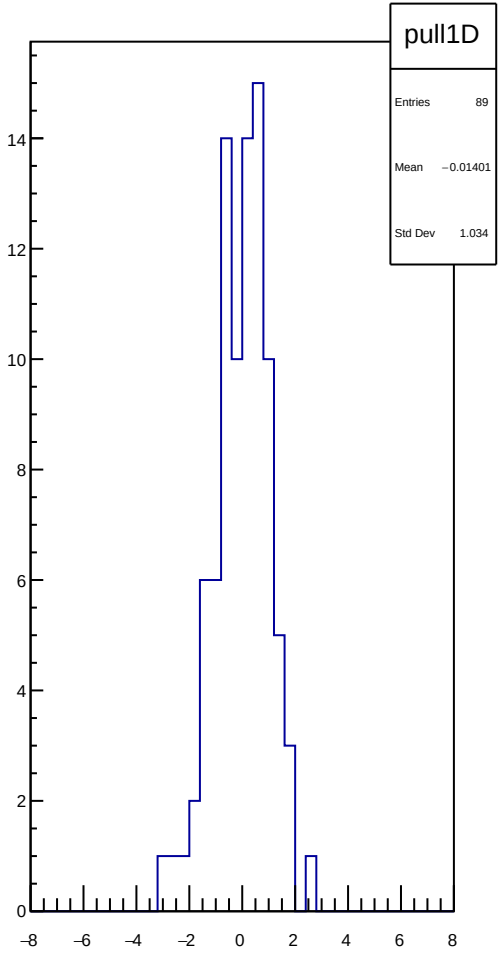

pull1D
Entries 89
Mean −0.008494
Std Dev 0.9005
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

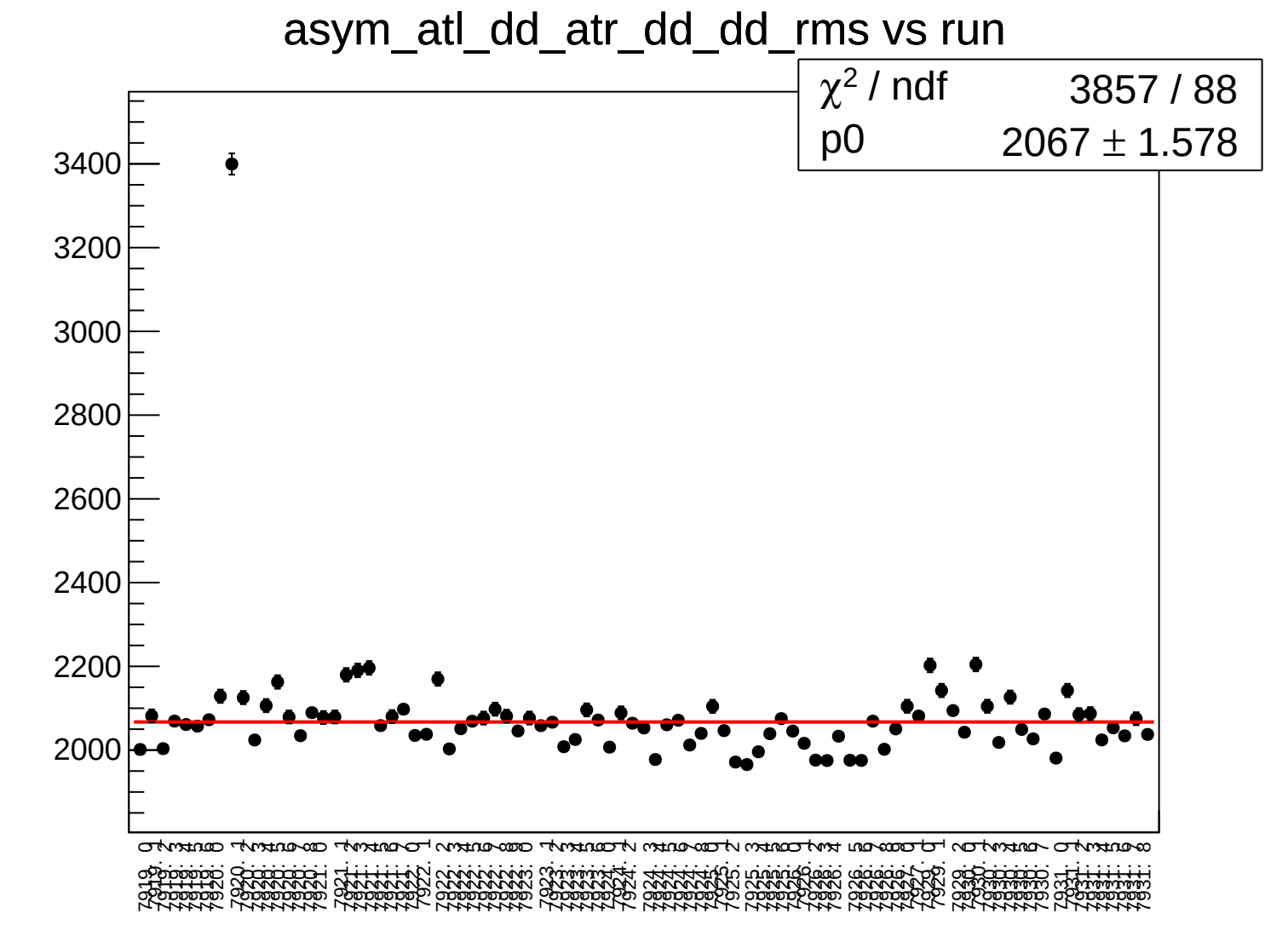

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5879 / 88
p0 1261 ± 0.9633
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

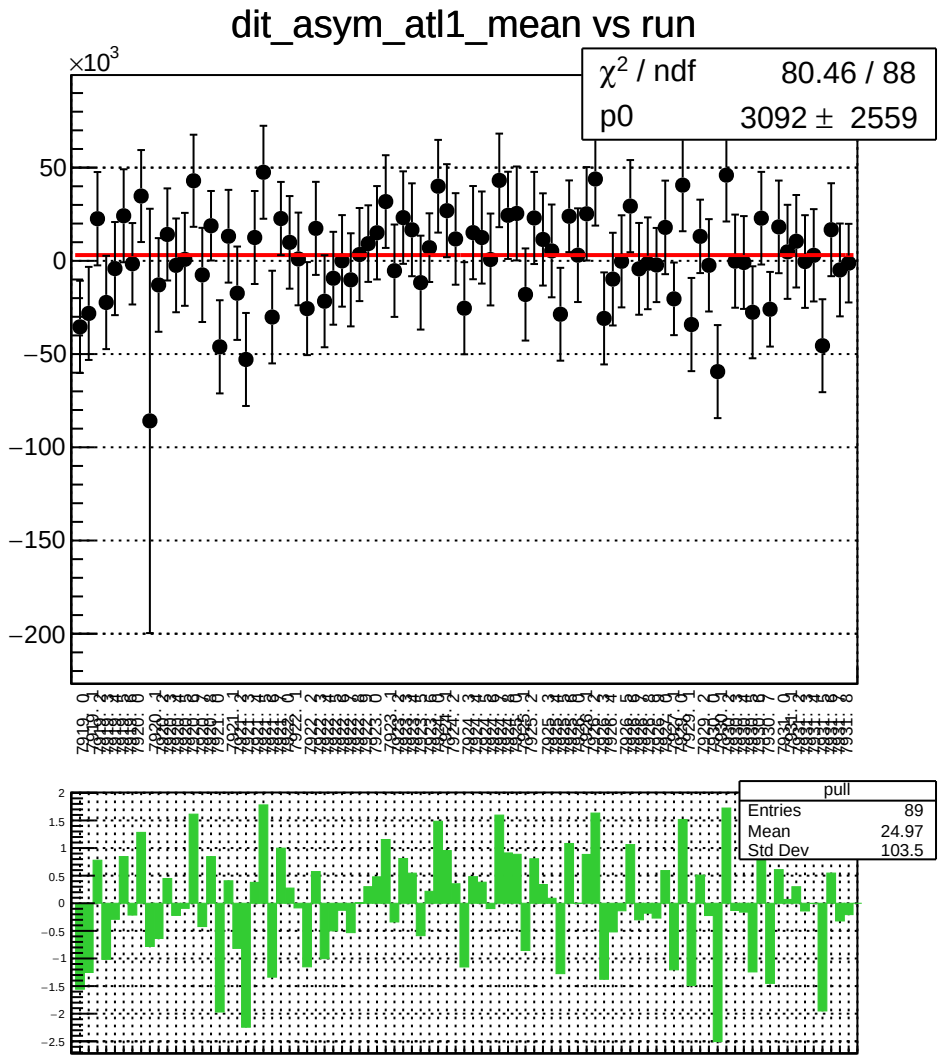

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 92.58 / 88
p0 2967 ± 1787
pull
Entries 89
Mean −227.1
Std Dev 276.1
pull1D
Entries 89
Mean 0.0118
Std Dev 1.02

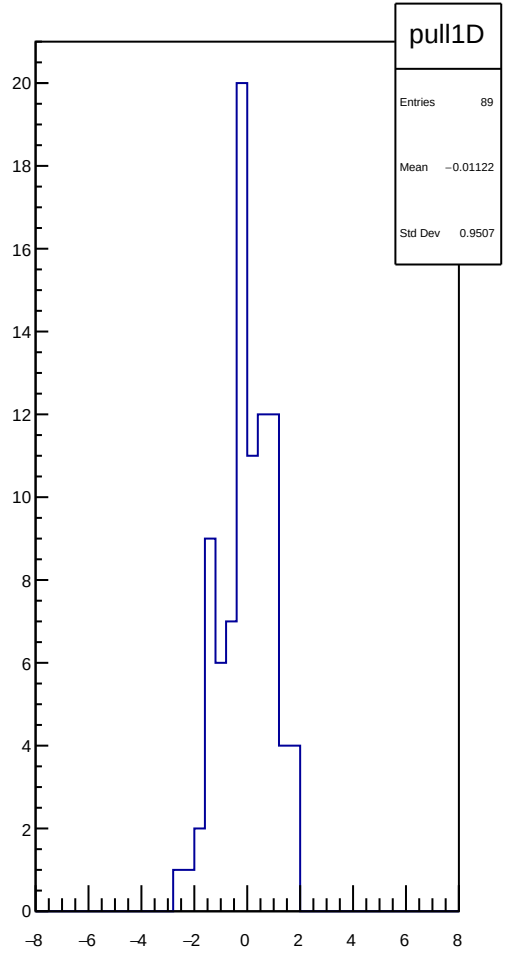

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3498 / 88
p0 1655 ± 1.264
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450

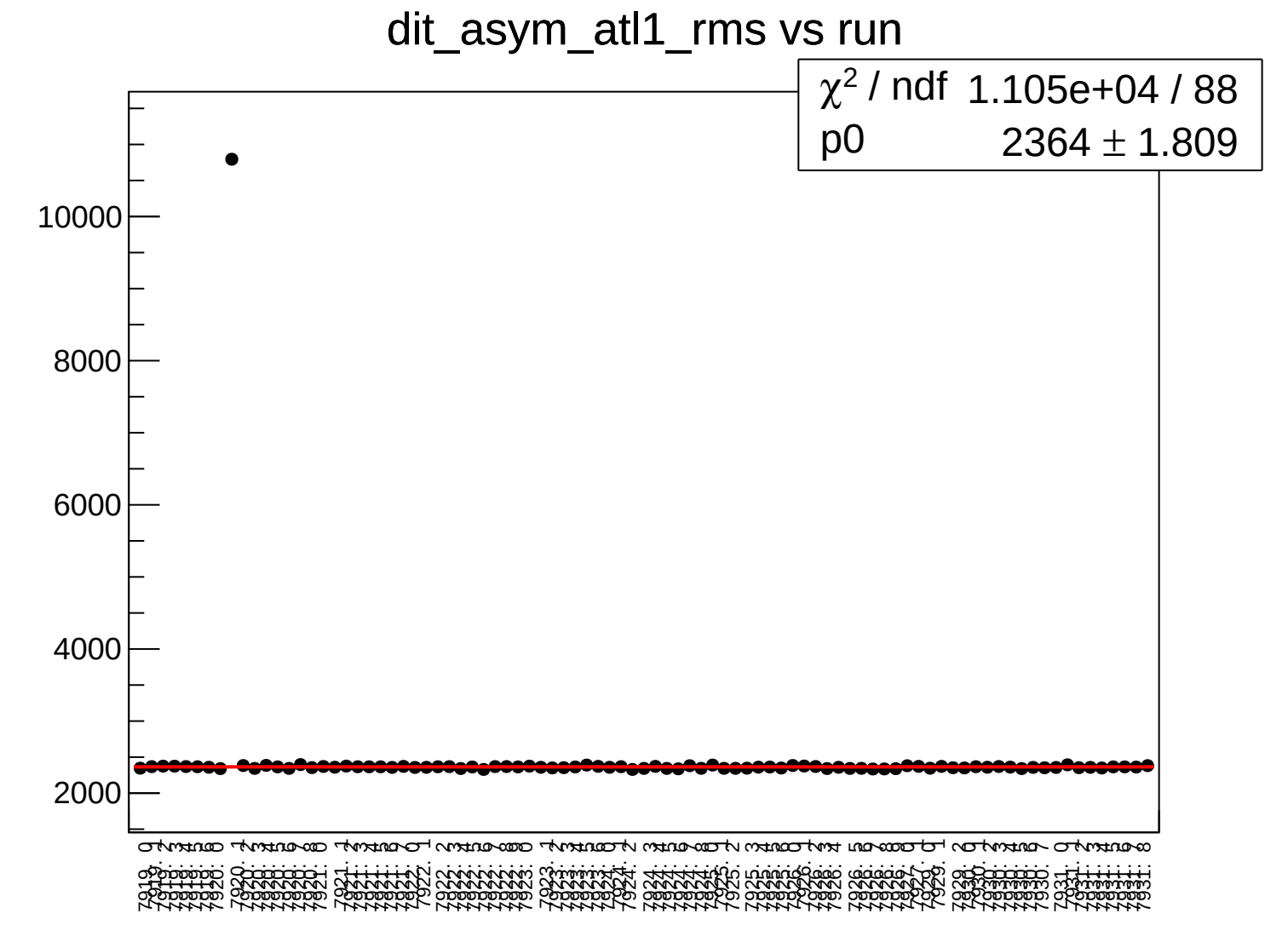

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 95.17 / 88
p0 −2573 ± 2232
pull
Entries 89
Mean −207.7
Std Dev 248.4

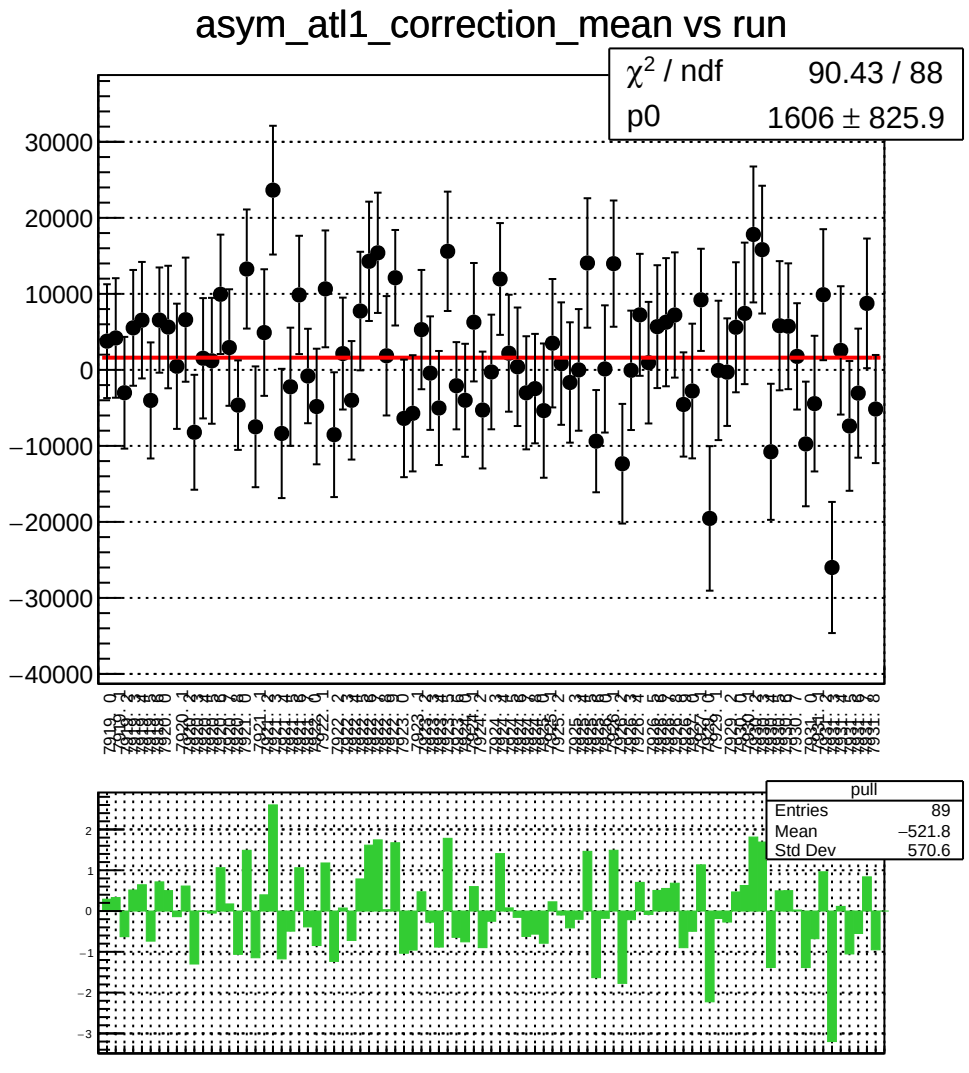

pull1D
Entries 89
Mean −0.01401
Std Dev 1.034

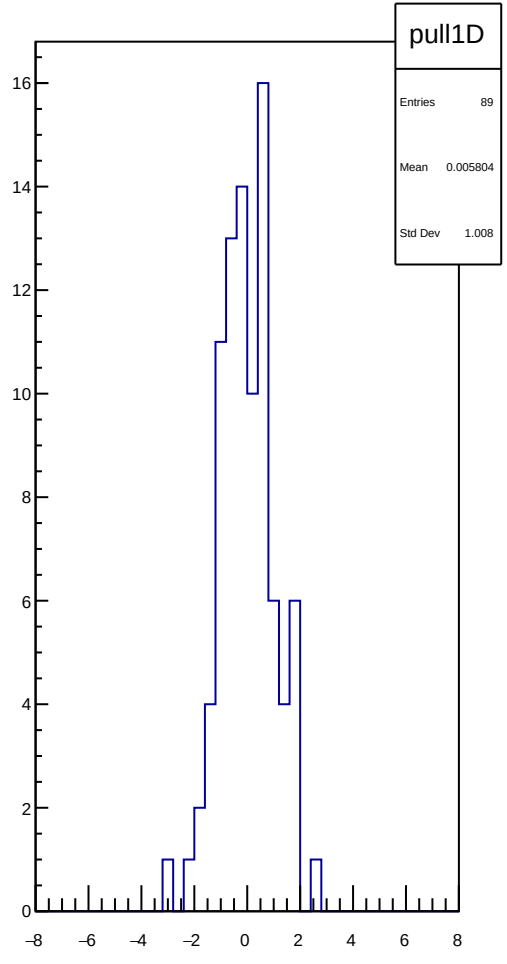

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3857 / 88
p0 2067 ± 1.578
3400
3200
3000
2800
2600
2400
2200
2000

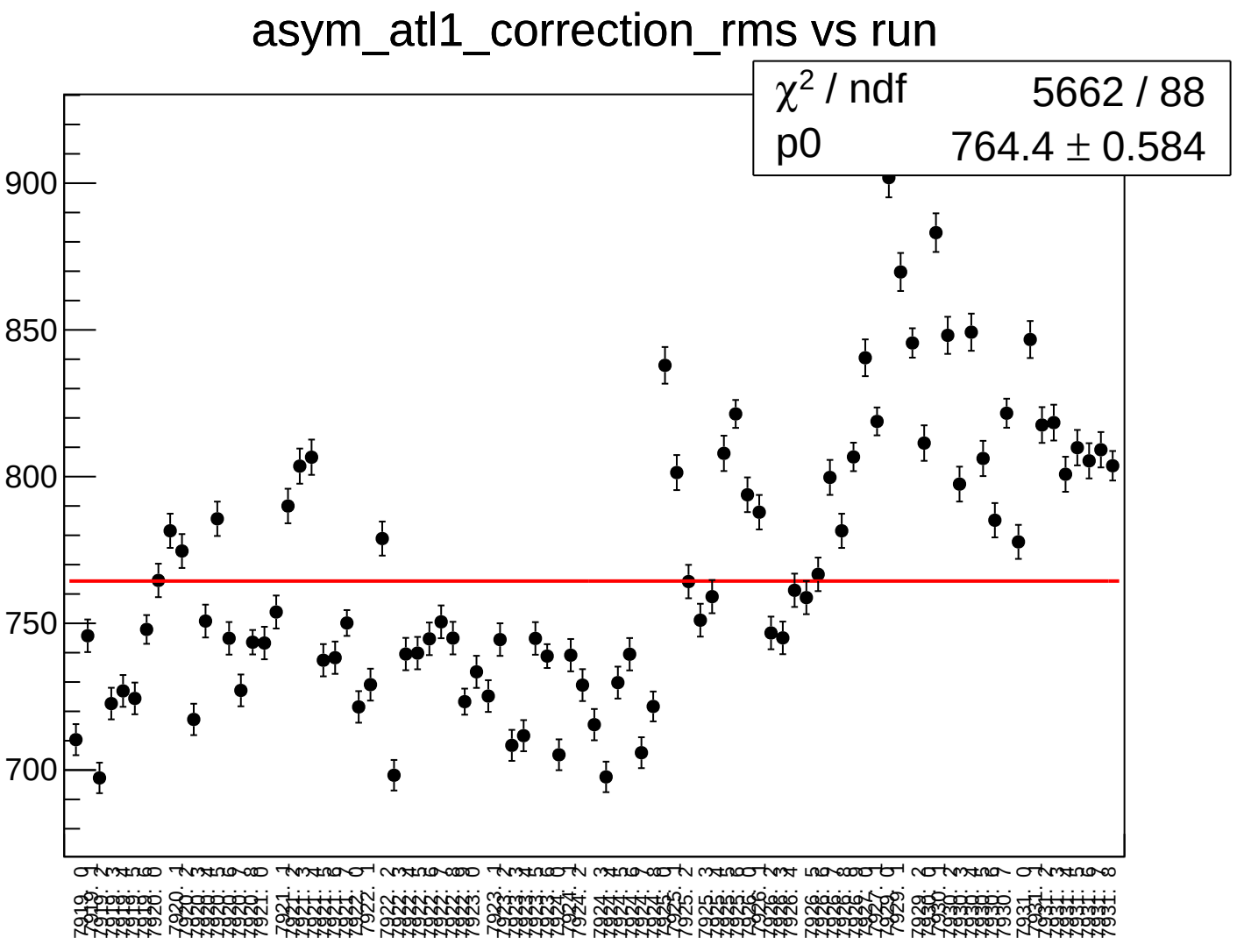

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 80.46 / 88
p0 3092 ± 2559
50
0
−50
−100
−150
−200
pull
Entries 89
Mean 24.97
Std Dev 103.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

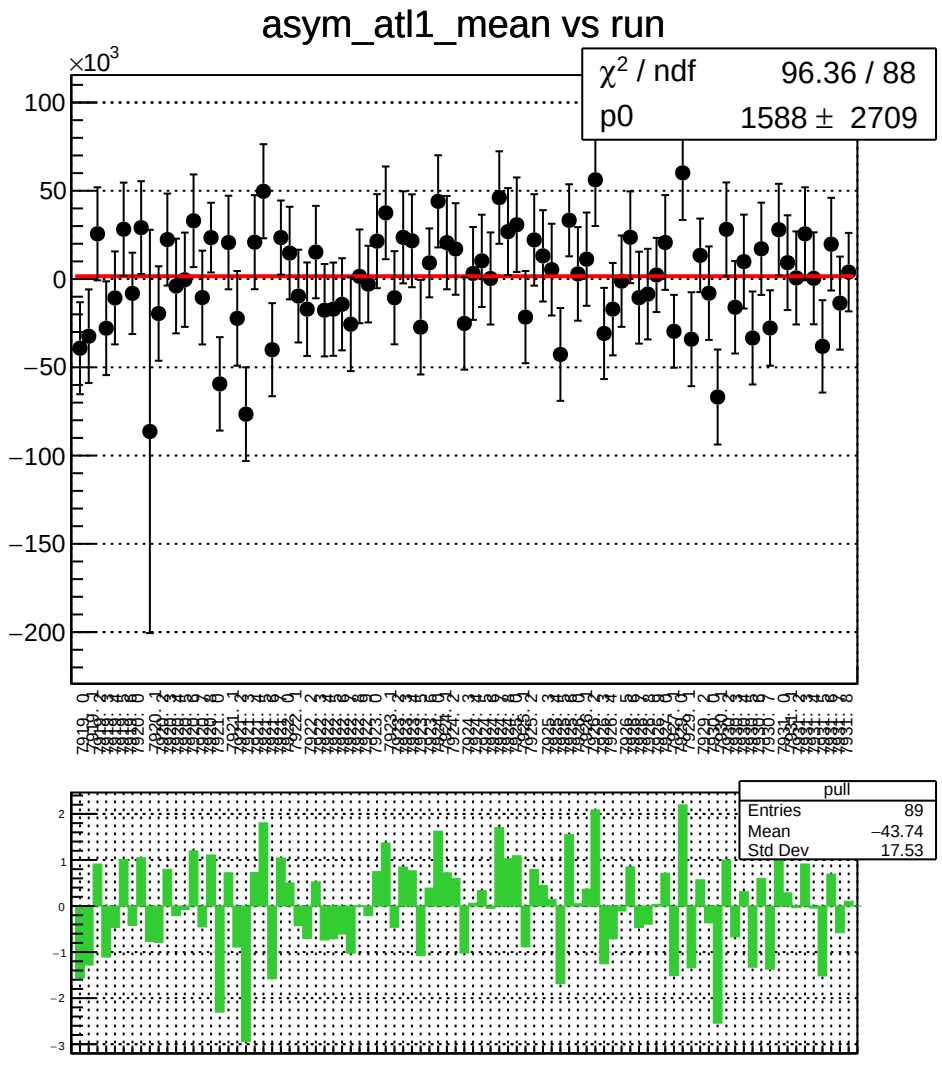

pull1D
Entries 89
Mean −0.01122
Std Dev 0.9507
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

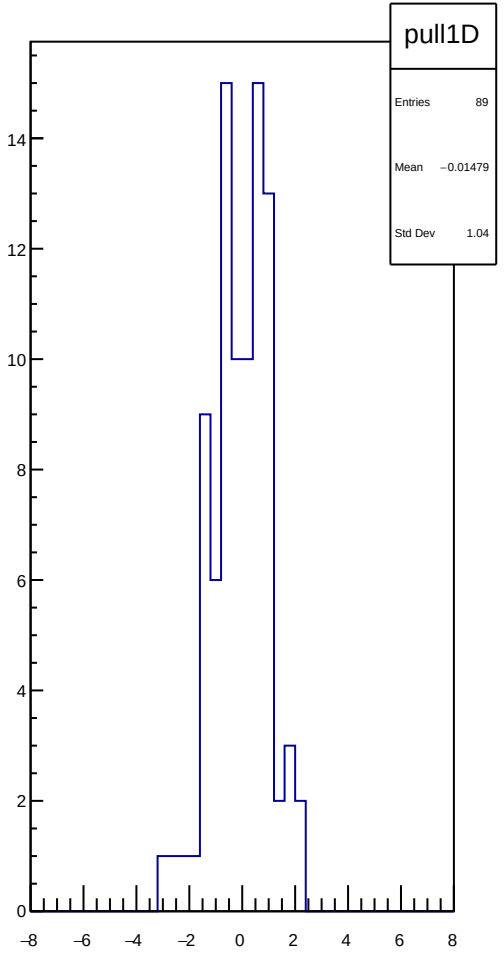

dit_asym_atl1_rms vs run
χ² / ndf 1.105e+04 / 88
p0 2364 ± 1.809
10000
8000
6000
4000
2000

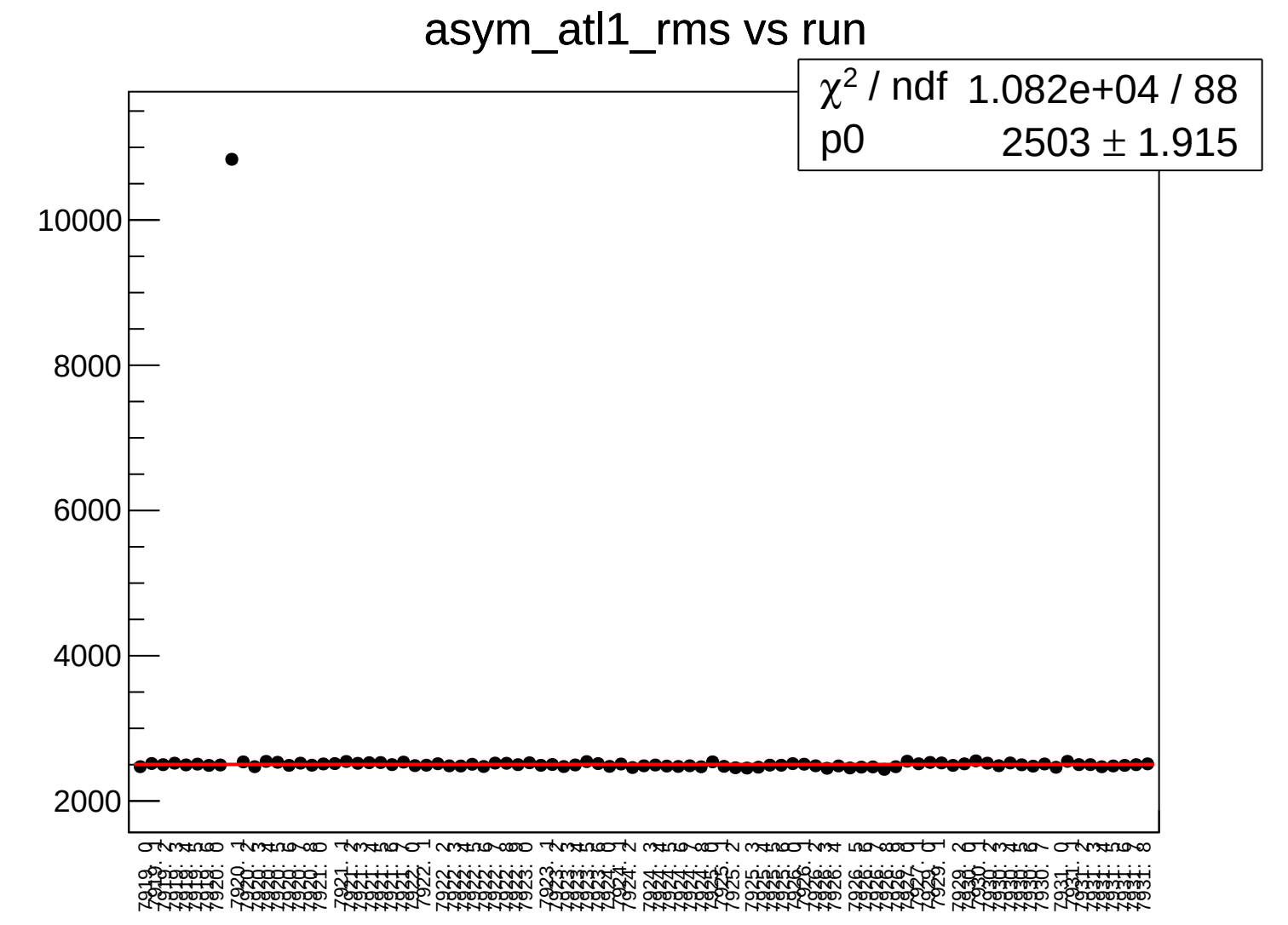

asym_atl1_correction_mean vs run
χ² / ndf 90.43 / 88
p0 1606 ± 825.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 89
Mean −521.8
Std Dev 570.6
2
1
0
−1
−2
−3

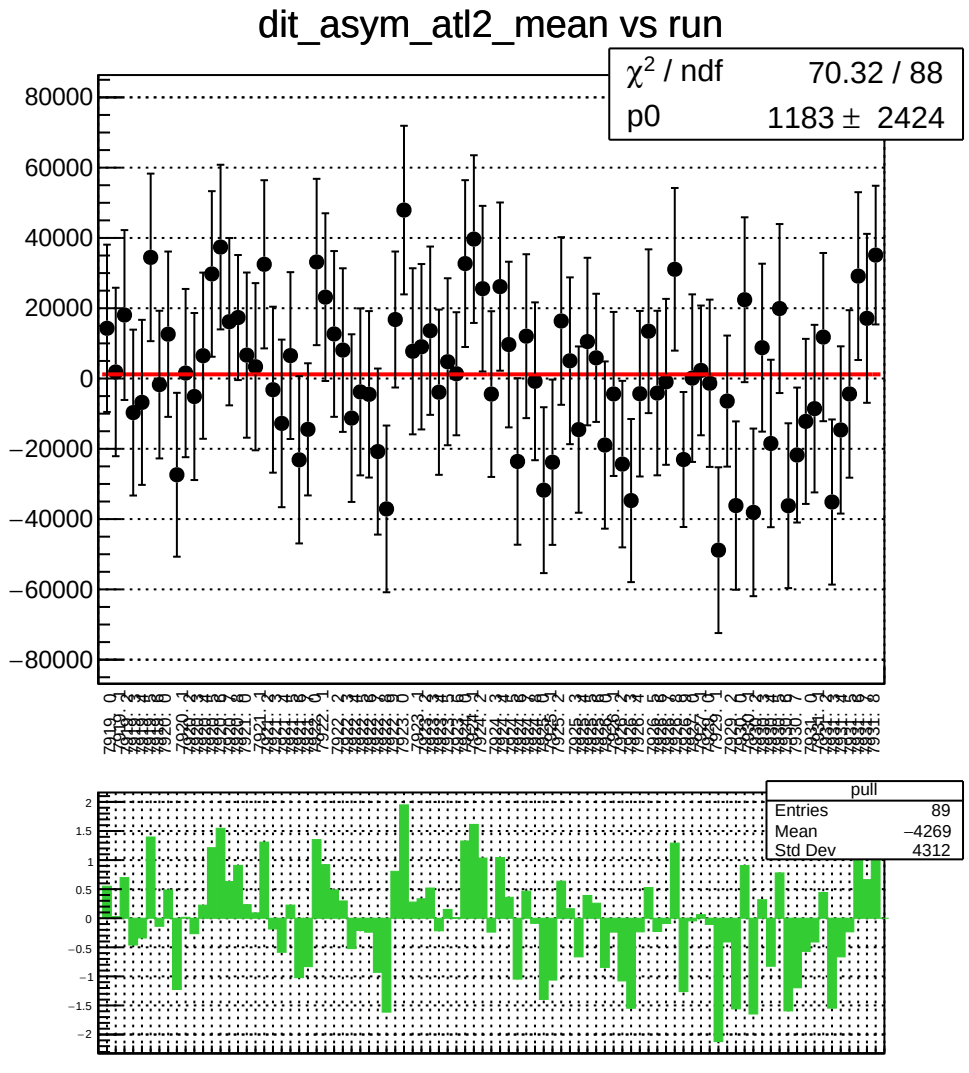

pull1D
Entries 89
Mean 0.005804
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

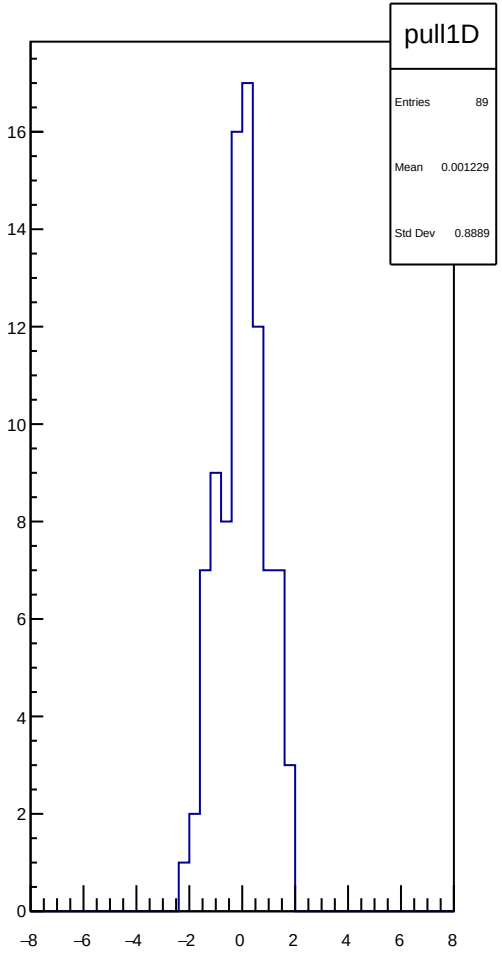

asym_atl1_correction_rms vs run
χ² / ndf 5662 / 88
p0 764.4 ± 0.584
900
850
800
750
700

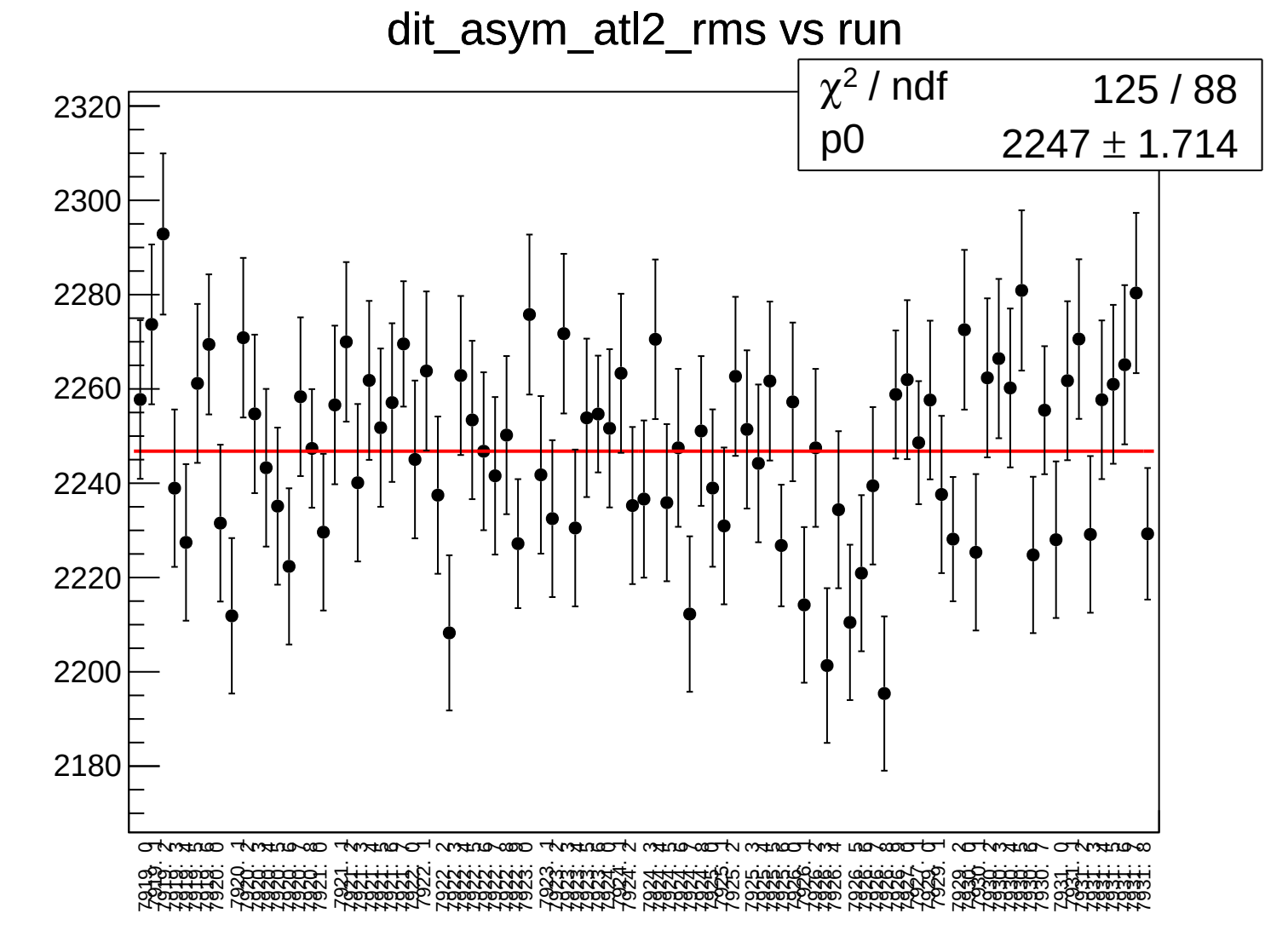

asym_atl1_mean vs run
×10^3
χ^2 / ndf 96.36 / 88
p0 1588 ± 2709
pull
Entries 89
Mean −43.74
Std Dev 17.53

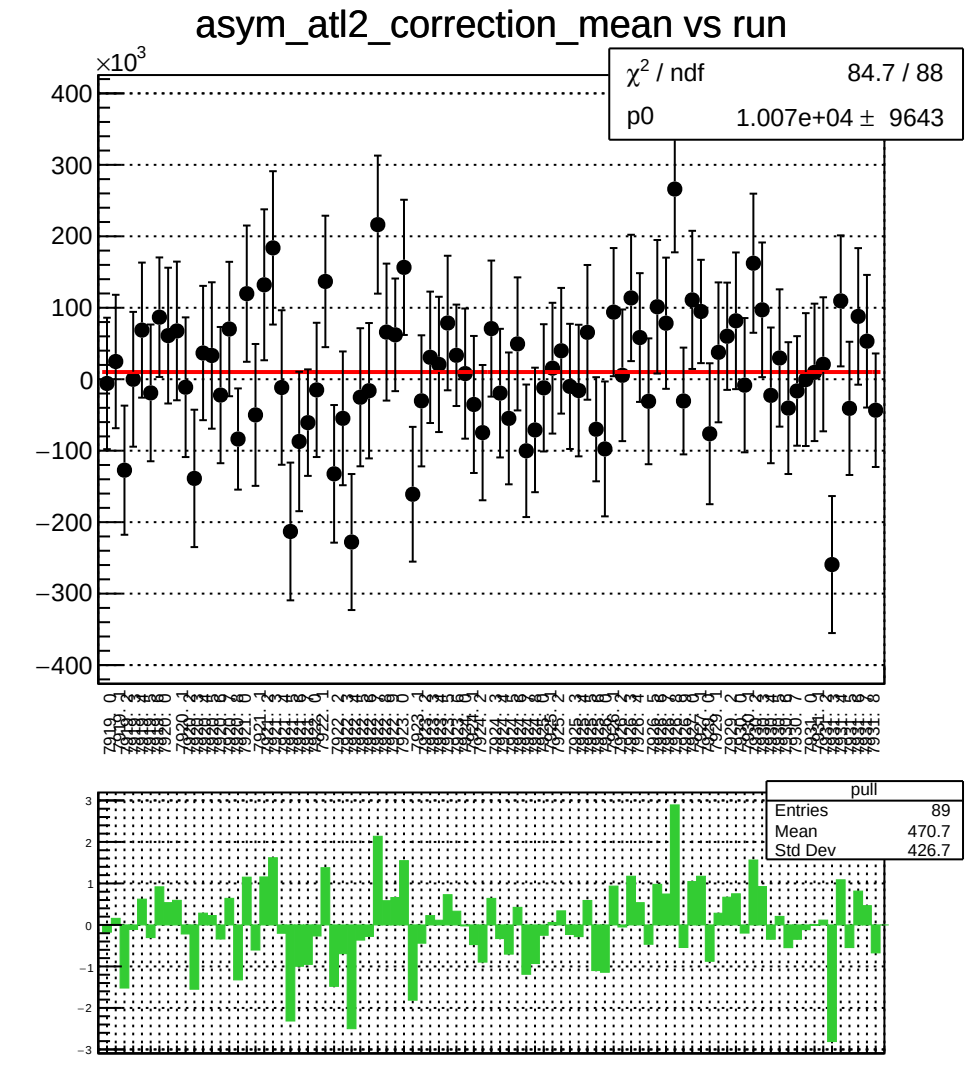

pull1D
Entries 89
Mean −0.01479
Std Dev 1.04

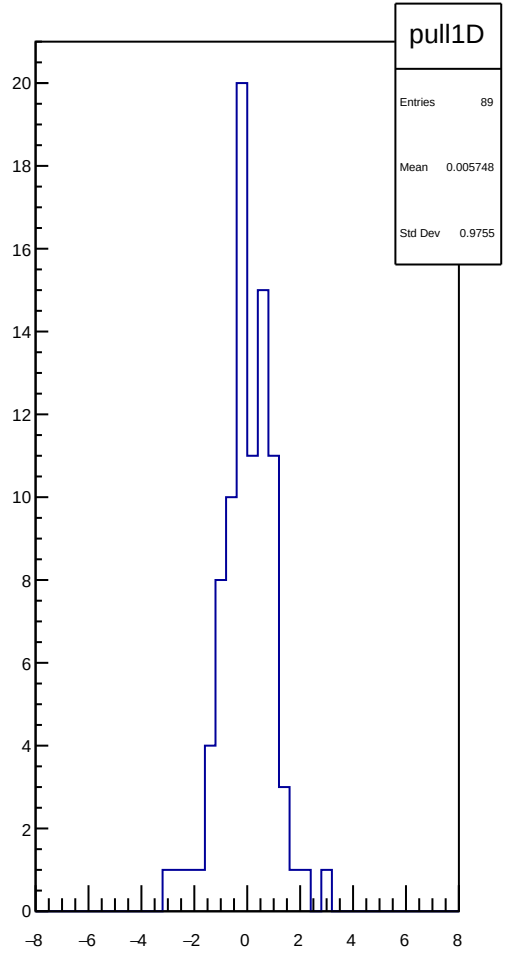

asym_atl1_rms vs run
χ² / ndf 1.082e+04 / 88
p0 2503 ± 1.915
10000
8000
6000
4000
2000

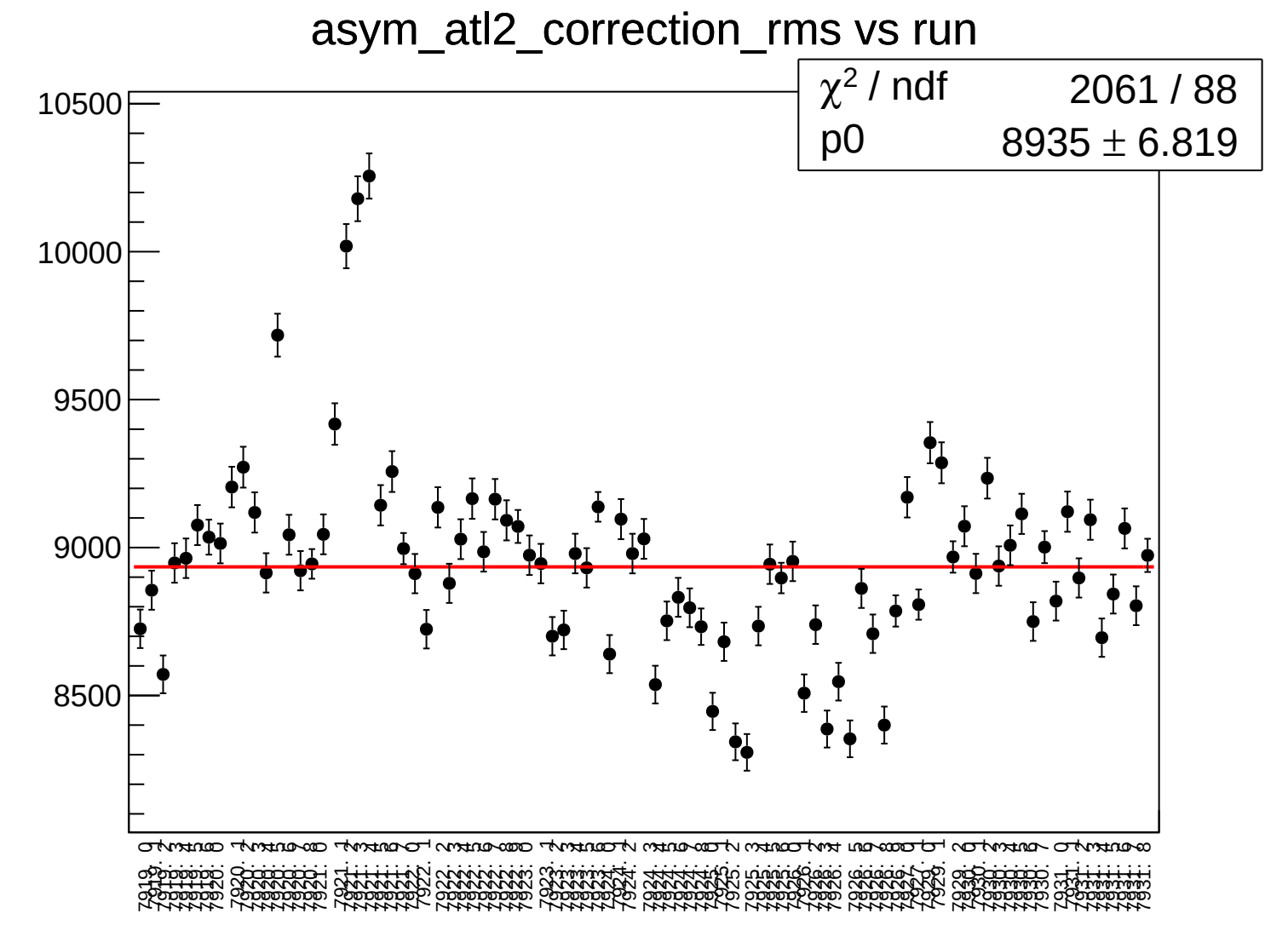

dit_asym_atl2_mean vs run
χ² / ndf 70.32 / 88
p0 1183 ± 2424
pull
Entries 89
Mean −4269
Std Dev 4312

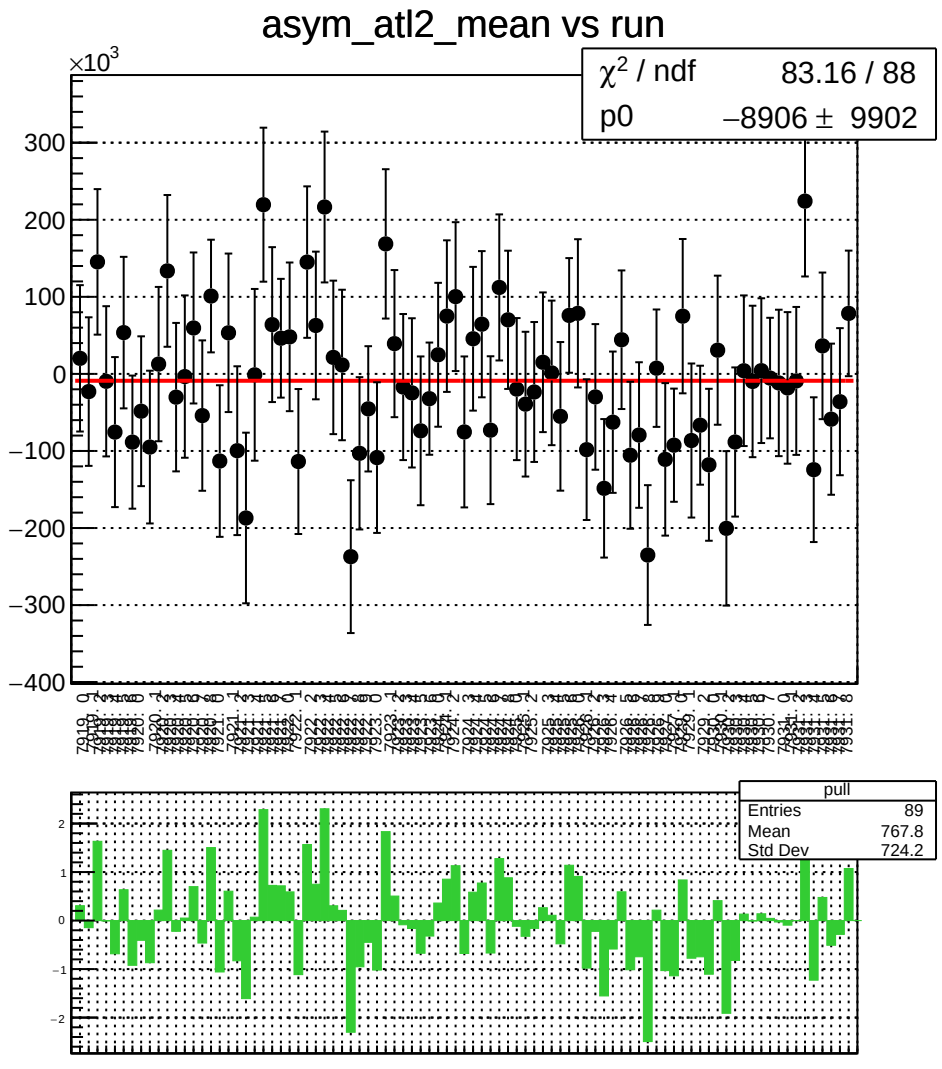

pull1D
Entries 89
Mean 0.001229
Std Dev 0.8889

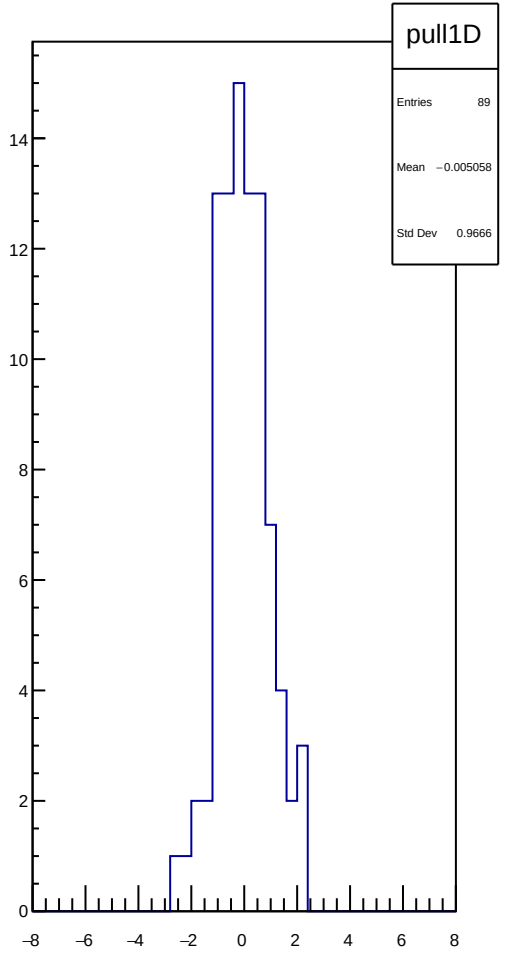

dit_asym_atl2_rms vs run
χ² / ndf 125 / 88
p0 2247 ± 1.714
2320
2300
2280
2260
2240
2220
2200
2180

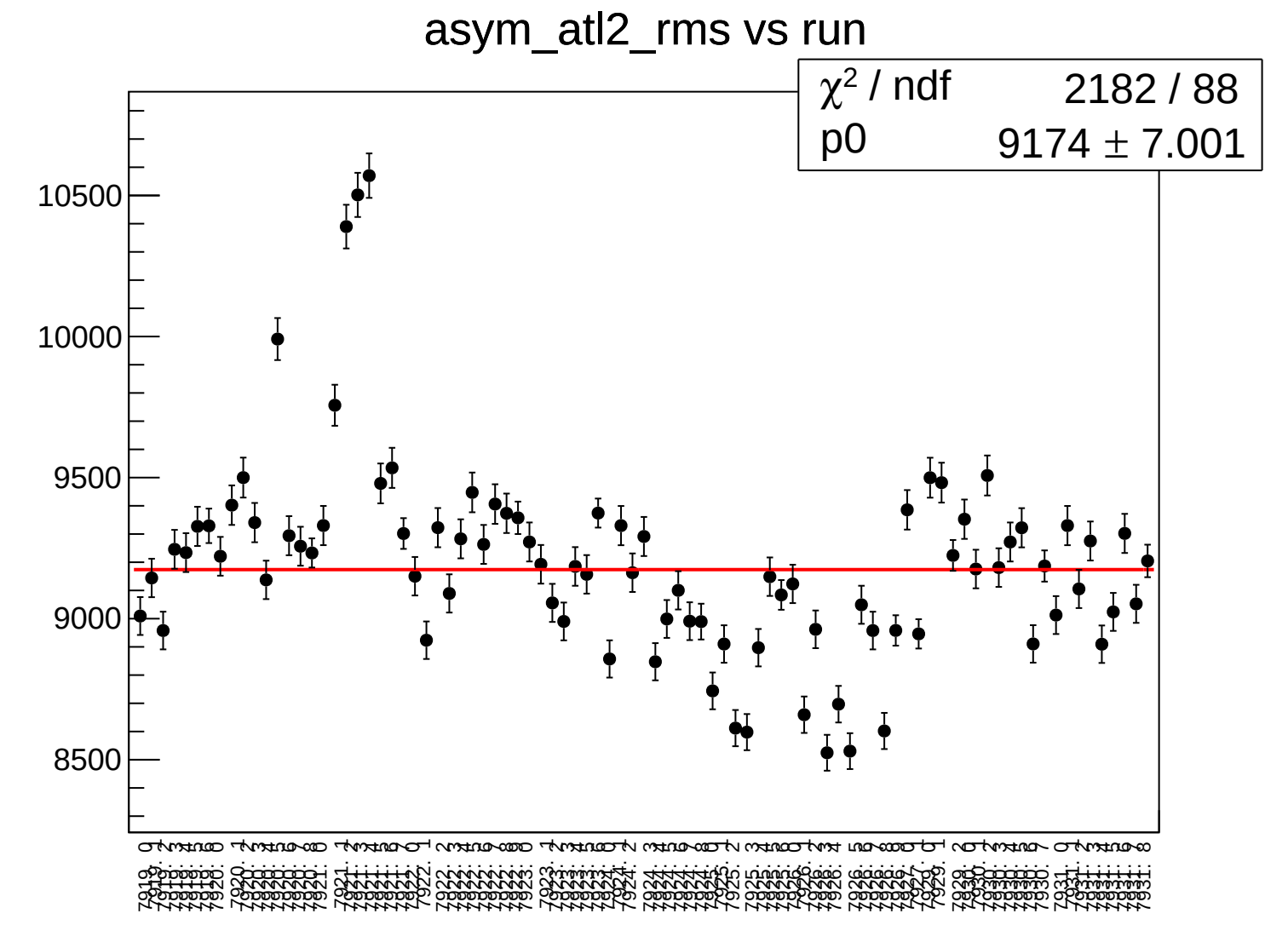

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 84.7 / 88
p0 1.007e+04 ± 9643
pull
Entries 89
Mean 470.7
Std Dev 426.7

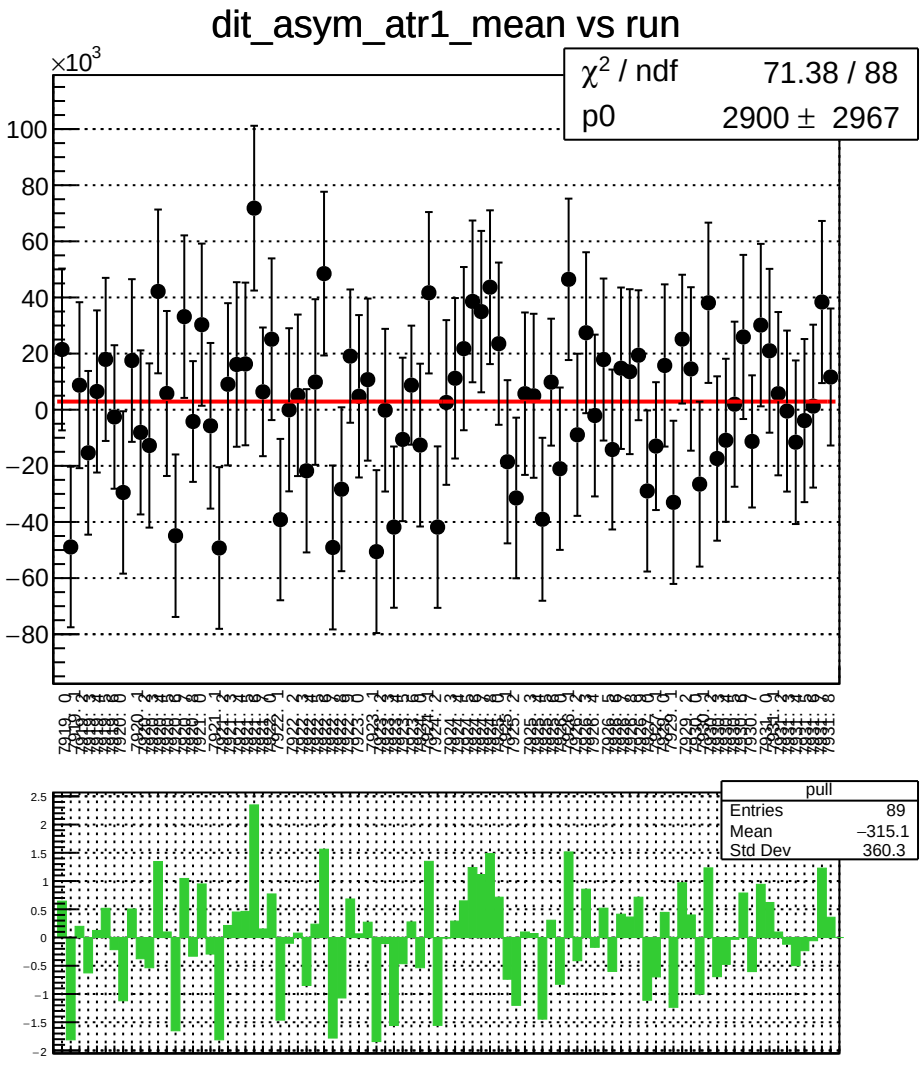

pull1D
Entries 89
Mean 0.005748
Std Dev 0.9755

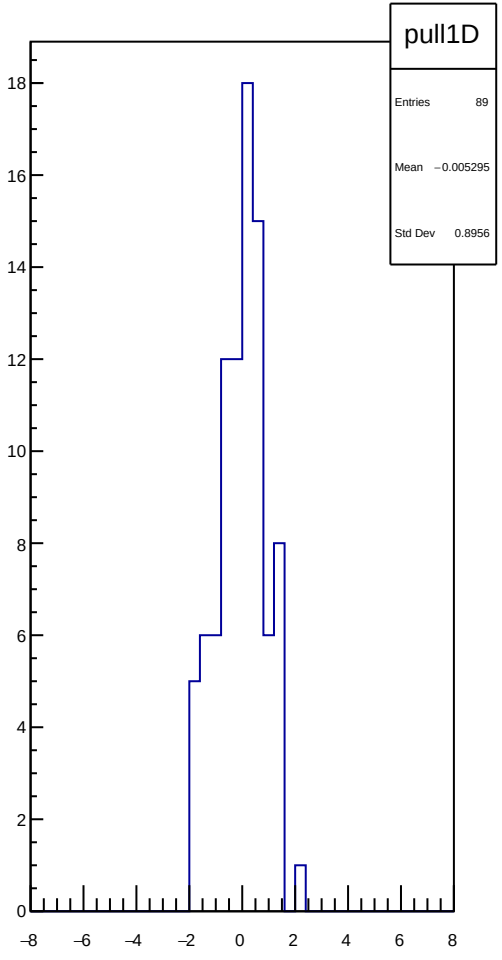

asym_atl2_correction_rms vs run
χ^2 / ndf 2061 / 88
p0 8935 ± 6.819
10500
10000
9500
9000
8500

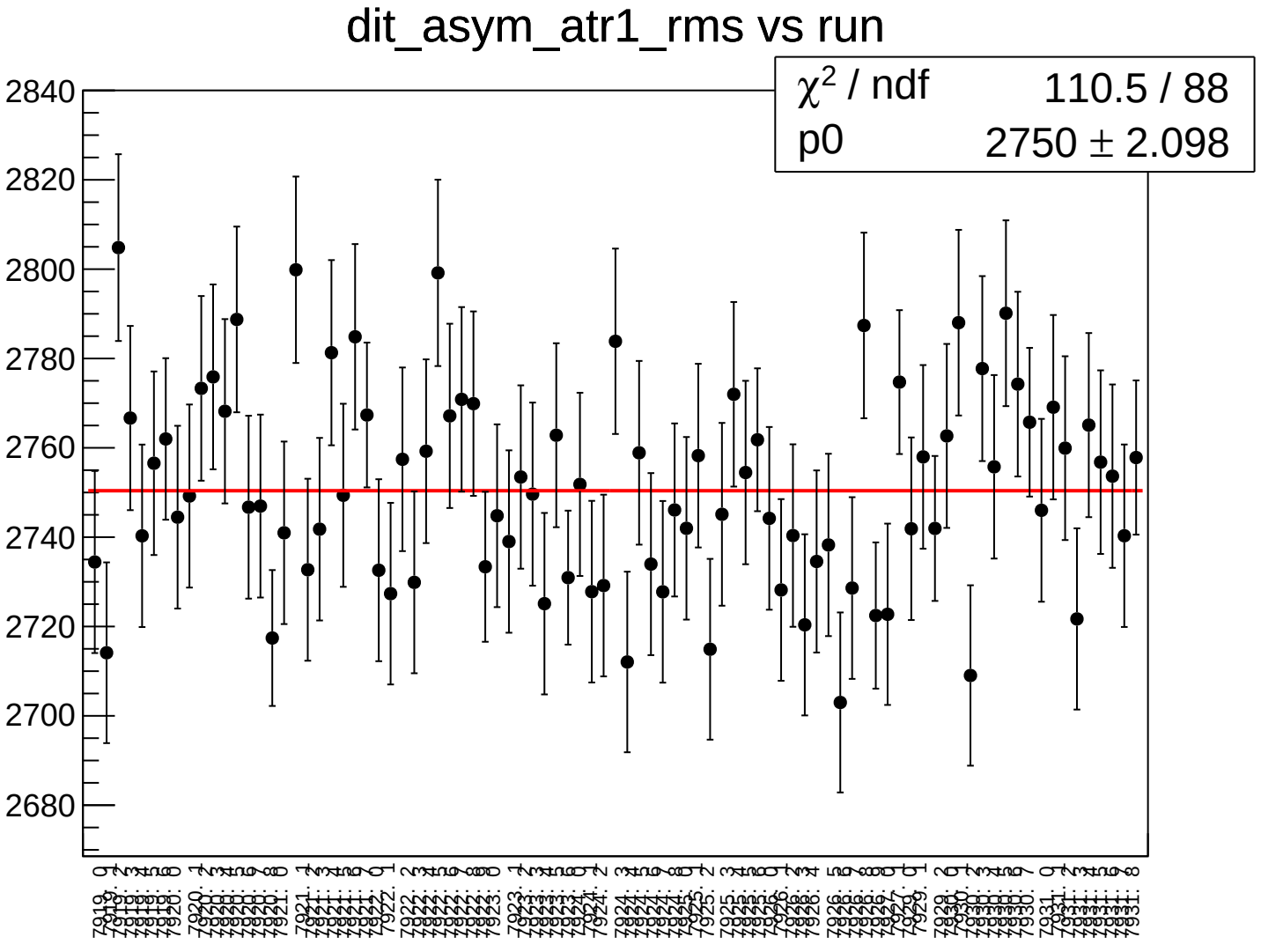

asym_atl2_mean vs run
×10^3
χ² / ndf 83.16 / 88
p0 −8906 ± 9902
300
200
100
0
−100
−200
−300
−400
pull
Entries 89
Mean 767.8
Std Dev 724.2
2
1
0
−1
−2

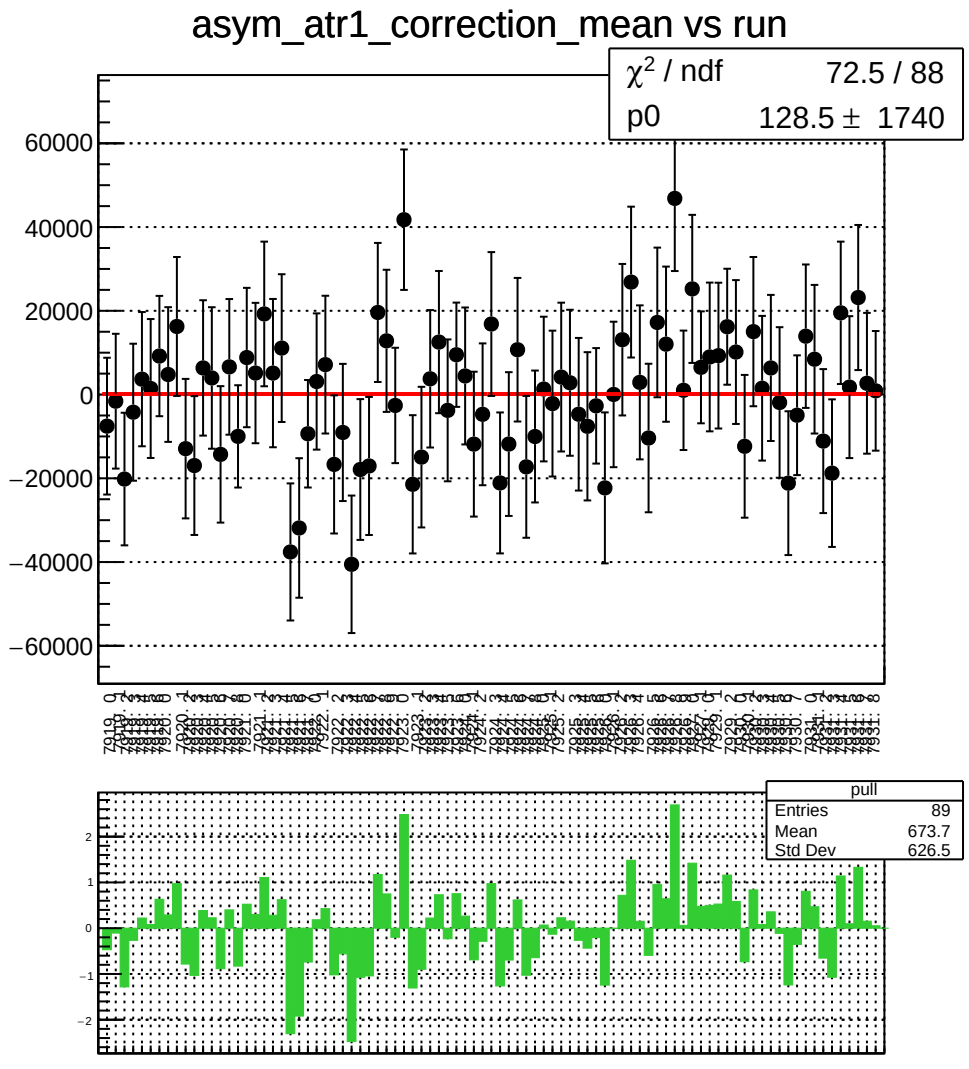

pull1D
Entries 89
Mean −0.005058
Std Dev 0.9666
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

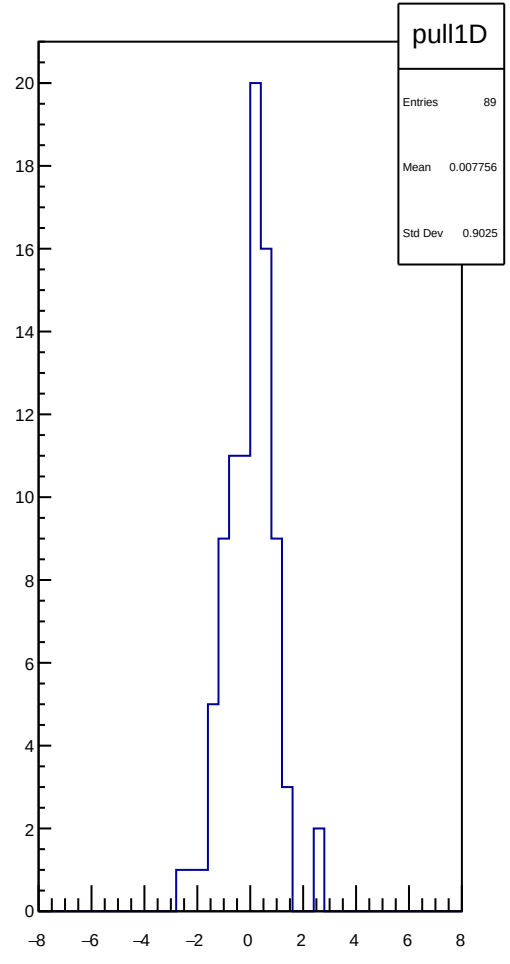

asym_atl2_rms vs run
χ^2 / ndf 2182 / 88
p0 9174 ± 7.001
10500
10000
9500
9000
8500

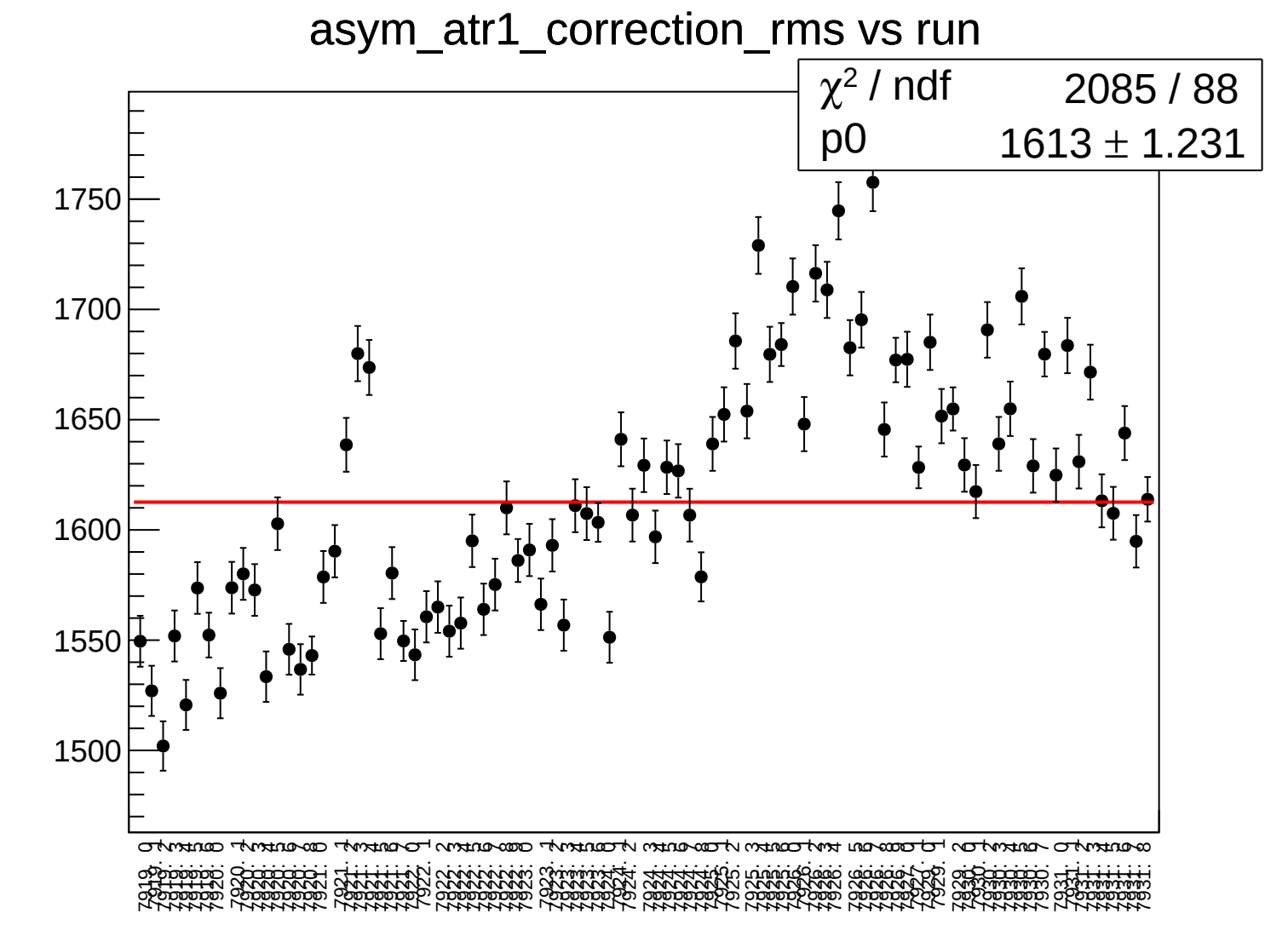

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 71.38 / 88
p0 2900 ± 2967
pull
Entries 89
Mean −315.1
Std Dev 360.3

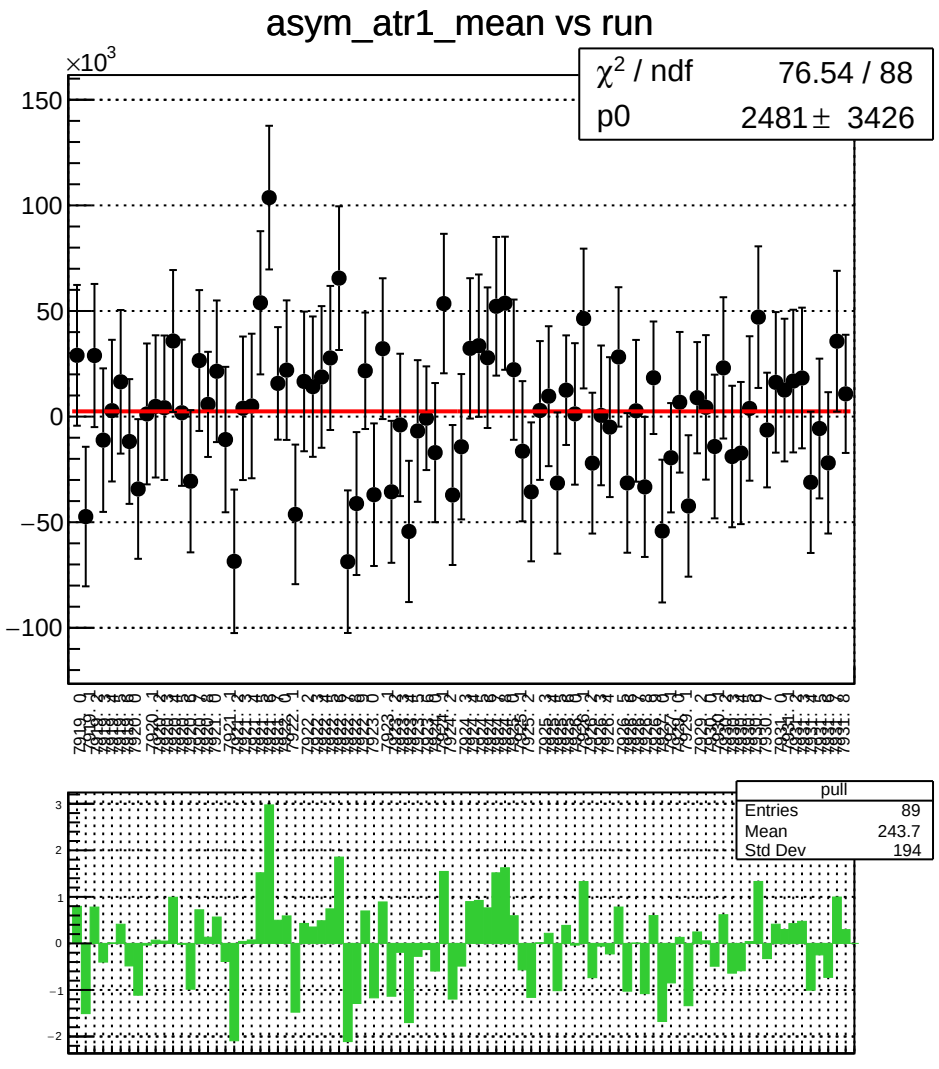

pull1D
Entries 89
Mean −0.005295
Std Dev 0.8956

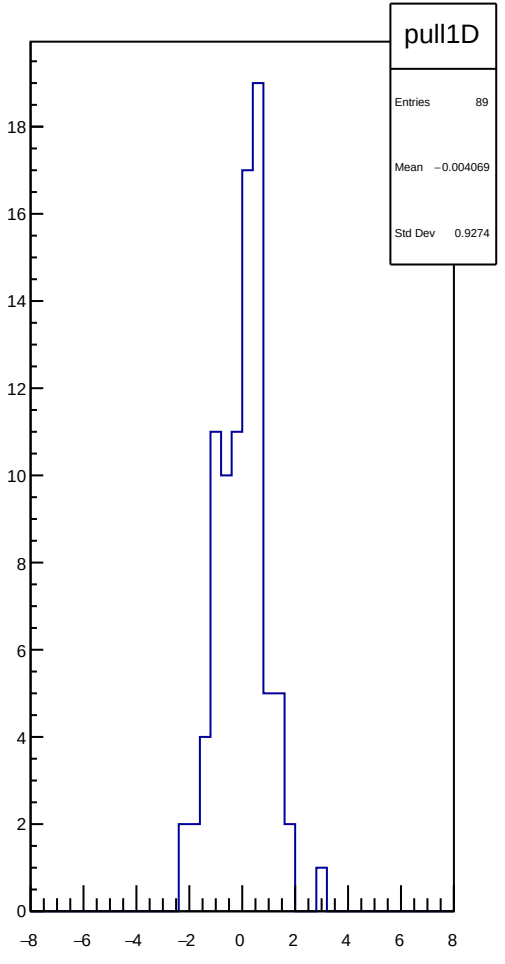

dit_asym_atr1_rms vs run
χ² / ndf 110.5 / 88
p0 2750 ± 2.098
2840
2820
2800
2780
2760
2740
2720
2700
2680

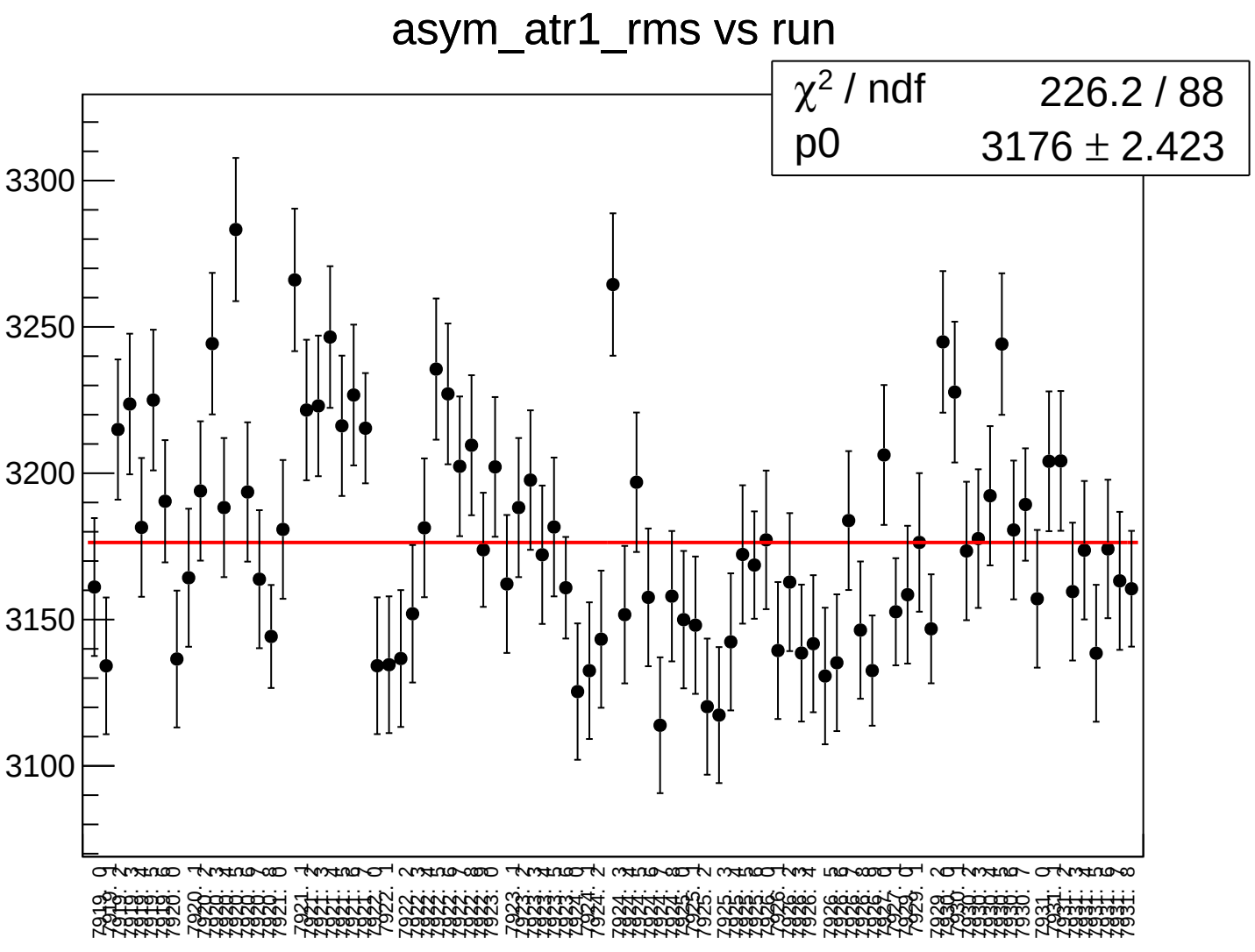

asym_atr1_correction_mean vs run
χ² / ndf 72.5 / 88
p0 128.5 ± 1740
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean 673.7
Std Dev 626.5
2
1
0
−1
−2

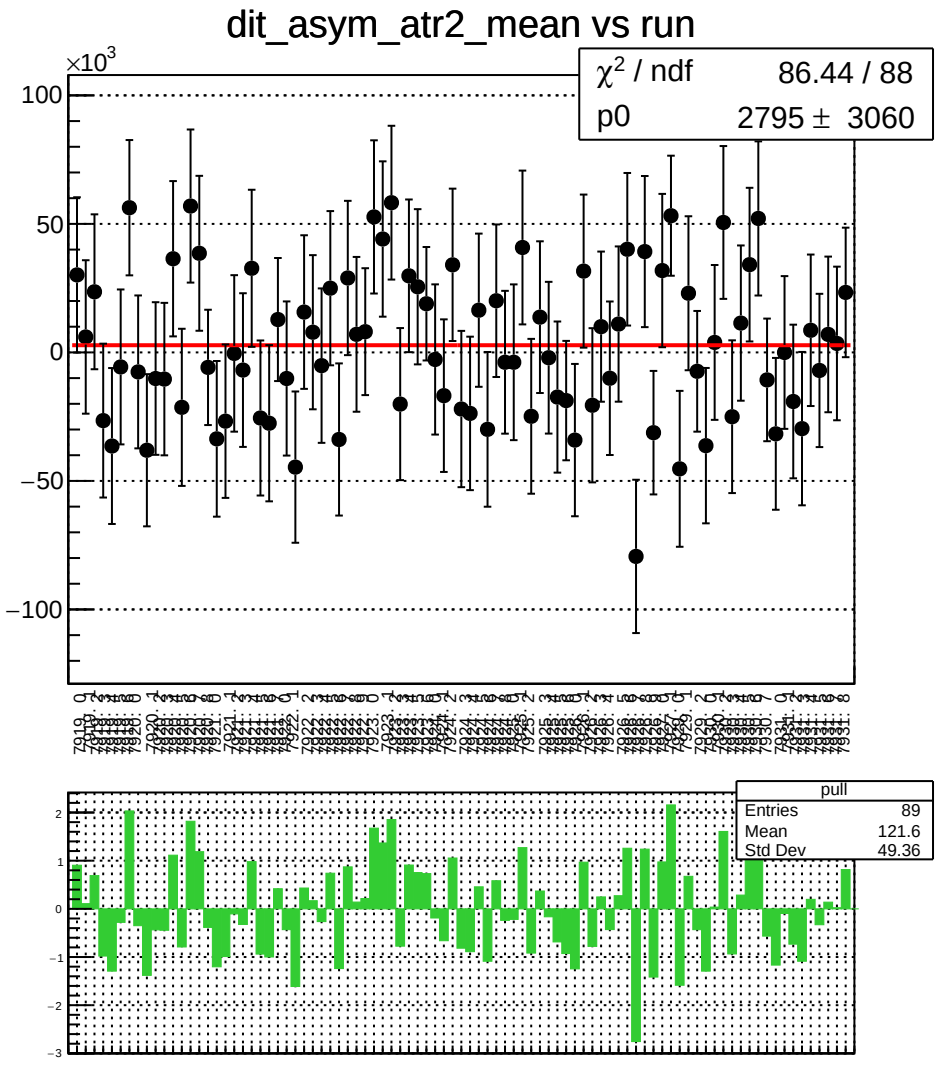

pull1D
Entries 89
Mean 0.007756
Std Dev 0.9025
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

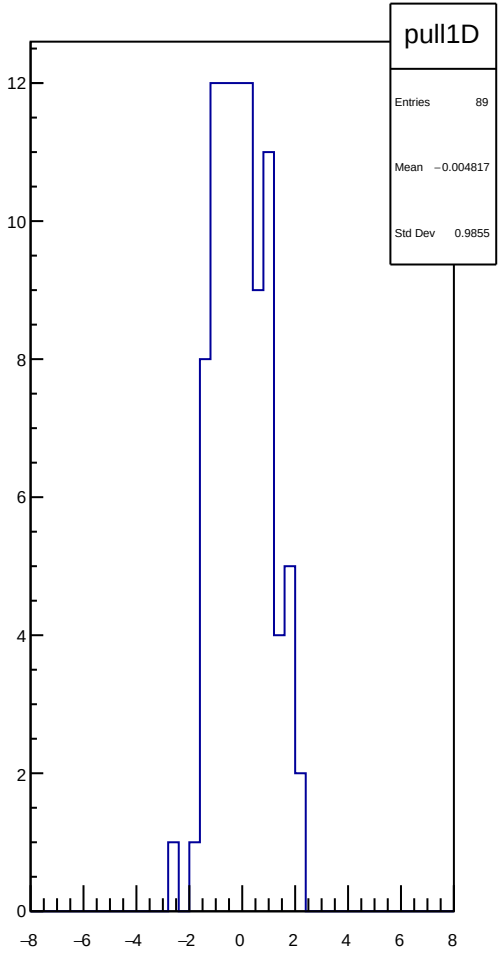

asym_atr1_correction_rms vs run
χ² / ndf 2085 / 88
p0 1613 ± 1.231
1750
1700
1650
1600
1550
1500

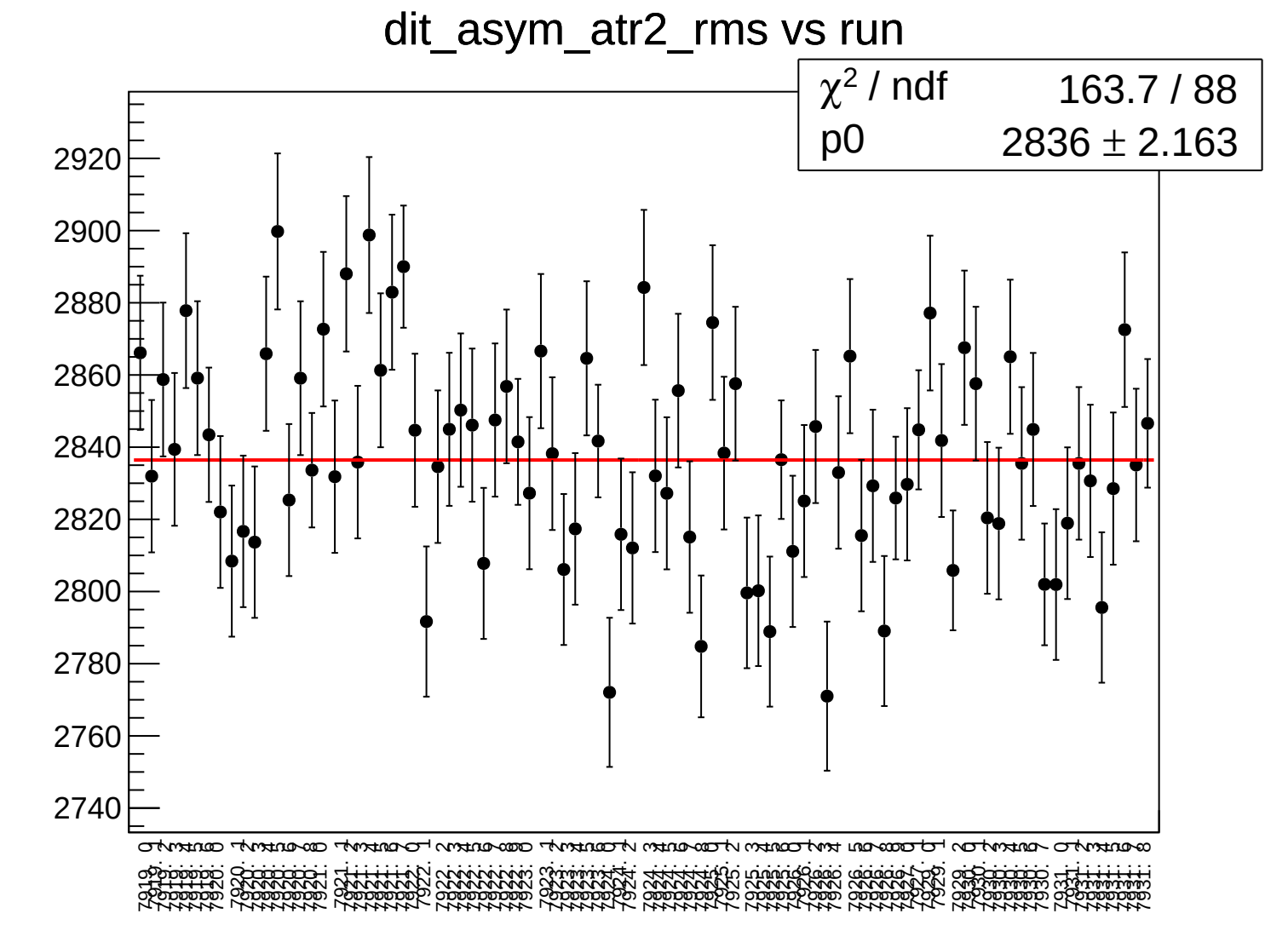

asym_atr1_mean vs run
×10^3
χ^2 / ndf 76.54 / 88
p0 2481 ± 3426
150
100
50
0
−50
−100
pull
Entries 89
Mean 243.7
Std Dev 194
3
2
1
0
−1
−2

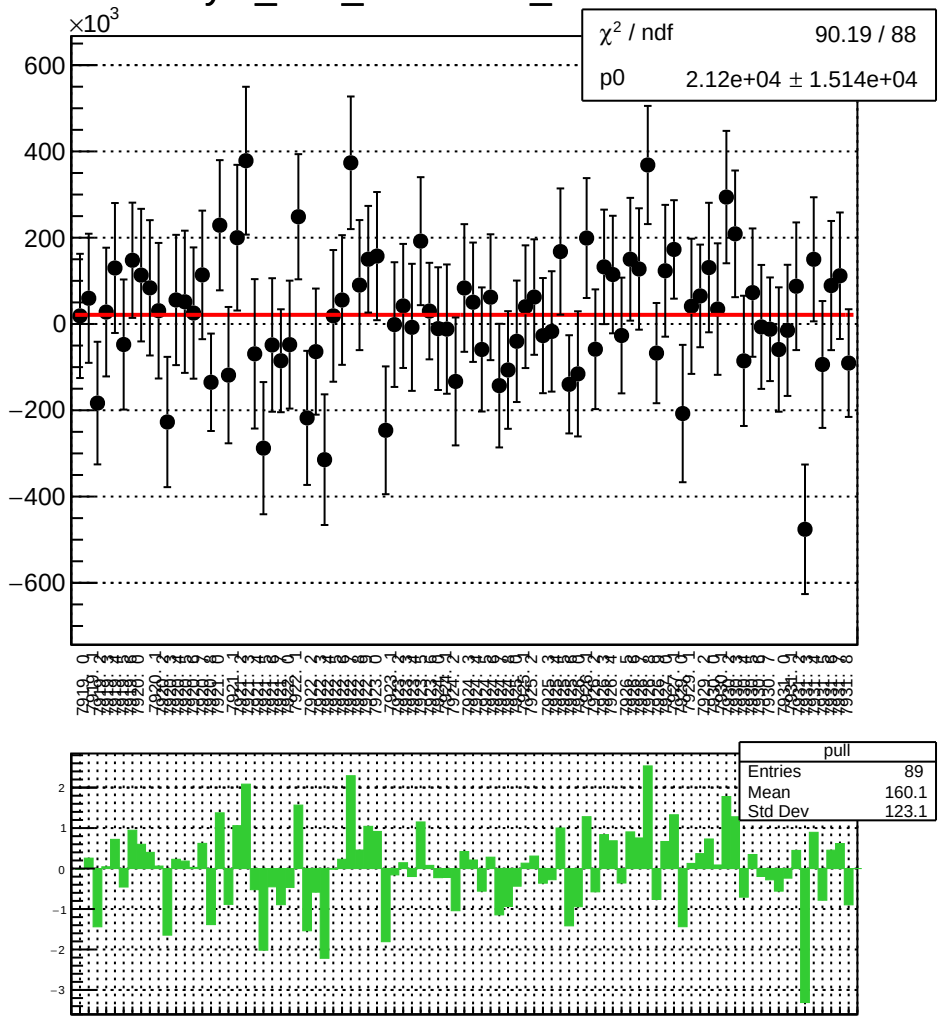

pull1D
Entries 89
Mean −0.004069
Std Dev 0.9274
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

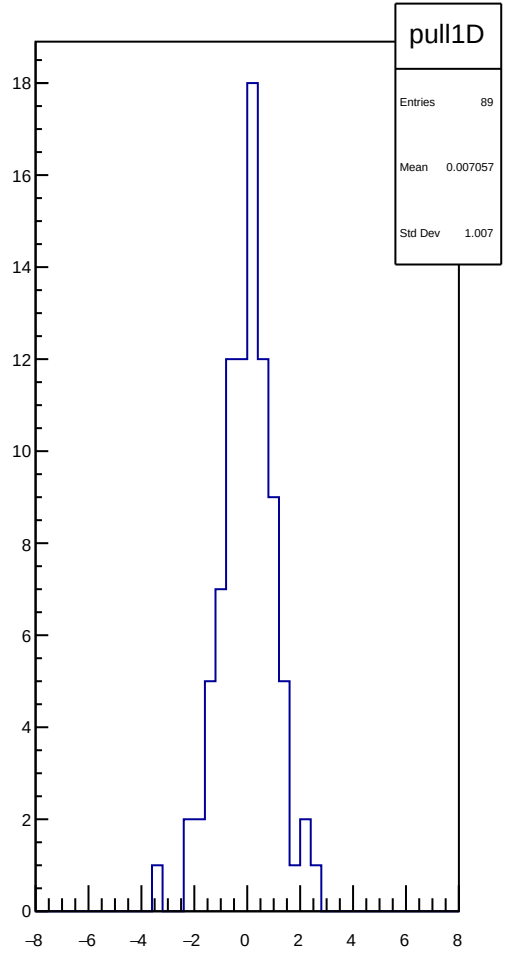

asym_atr1_rms vs run
χ² / ndf 226.2 / 88
p0 3176 ± 2.423
3300
3250
3200
3150
3100

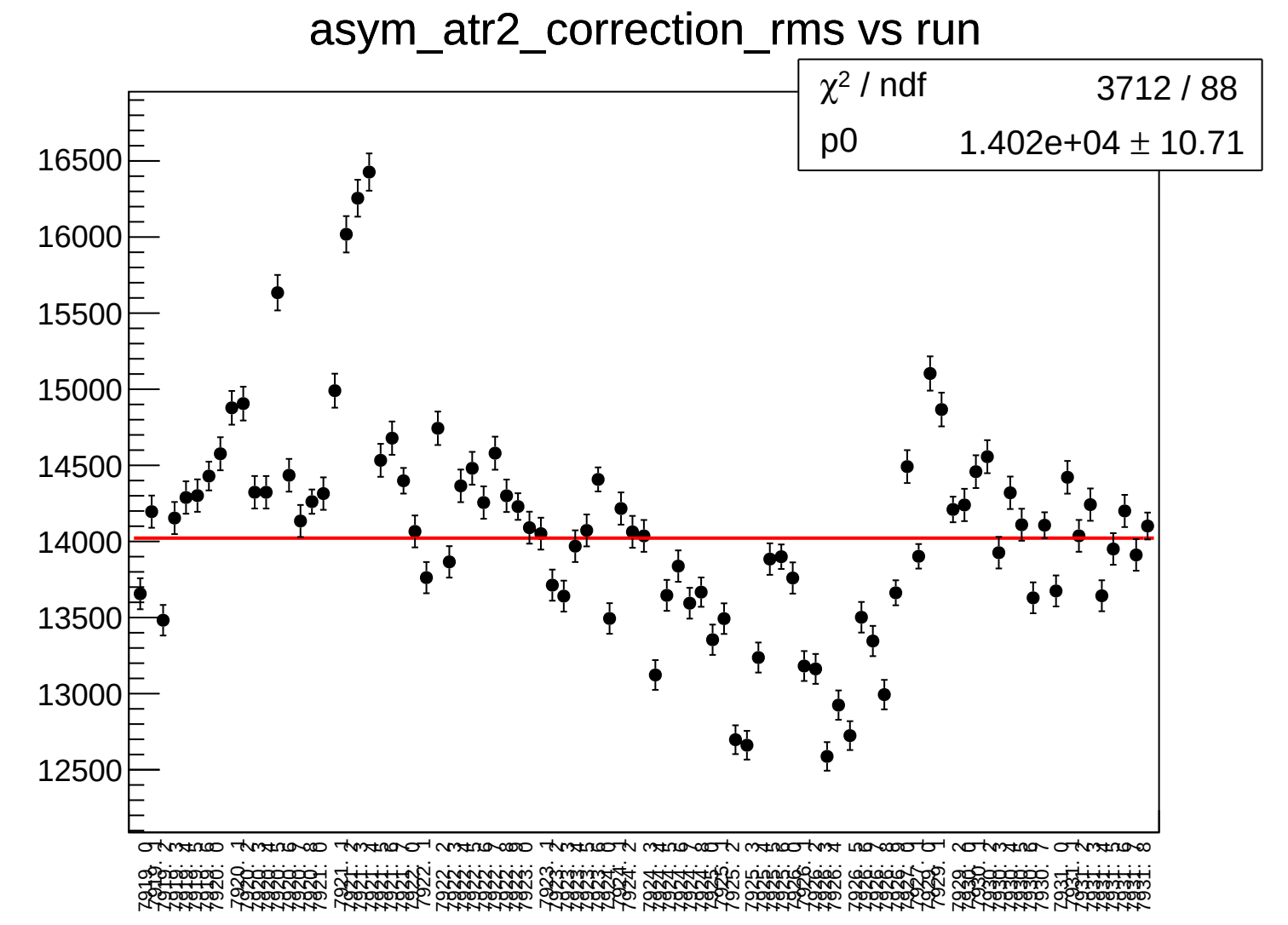

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 86.44 / 88
p0 2795 ± 3060
100
50
0
−50
−100
pull
Entries 89
Mean 121.6
Std Dev 49.36
2
1
0
−1
−2
−3

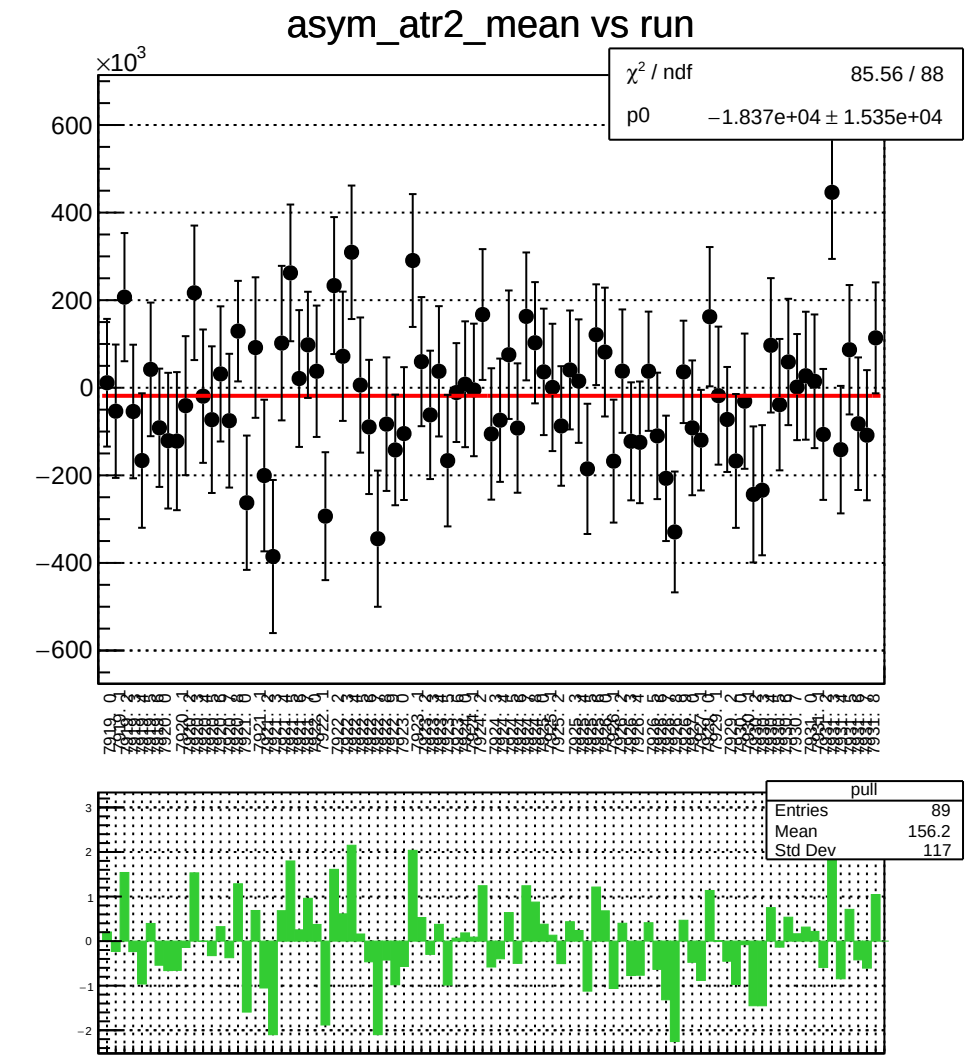

pull1D
Entries 89
Mean −0.004817
Std Dev 0.9855
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

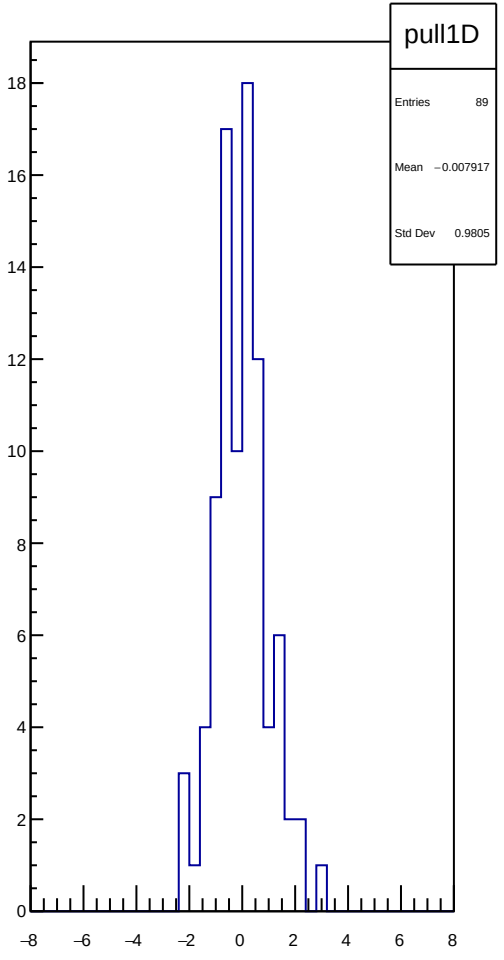

dit_asym_atr2_rms vs run
χ^2 / ndf 163.7 / 88
p0 2836 ± 2.163
2920
2900
2880
2860
2840
2820
2800
2780
2760
2740

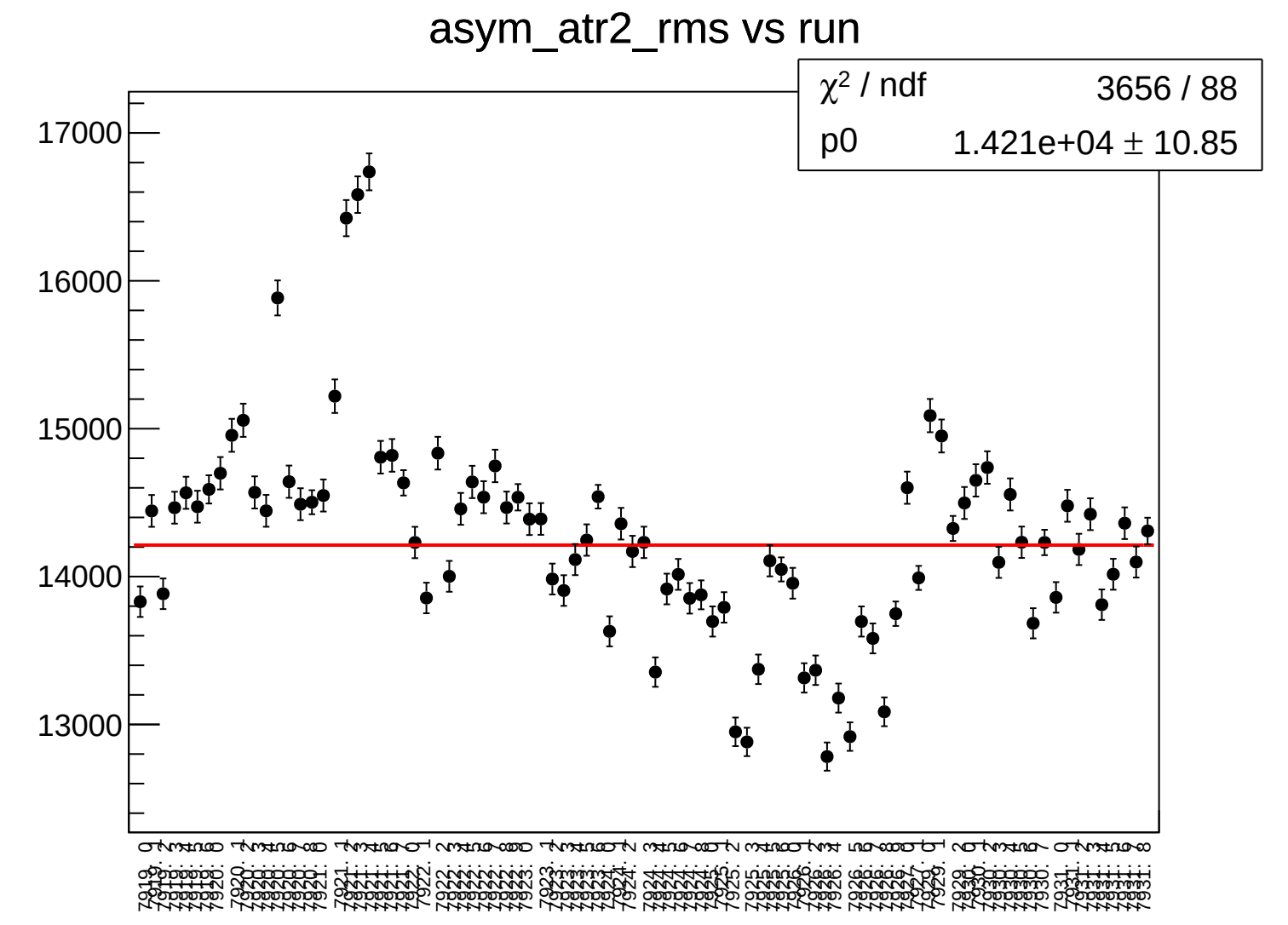

asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 90.19 / 88
p0 2.12e+04 ± 1.514e+04
pull
Entries 89
Mean 160.1
Std Dev 123.1
2
1
0
−1
−2
−3

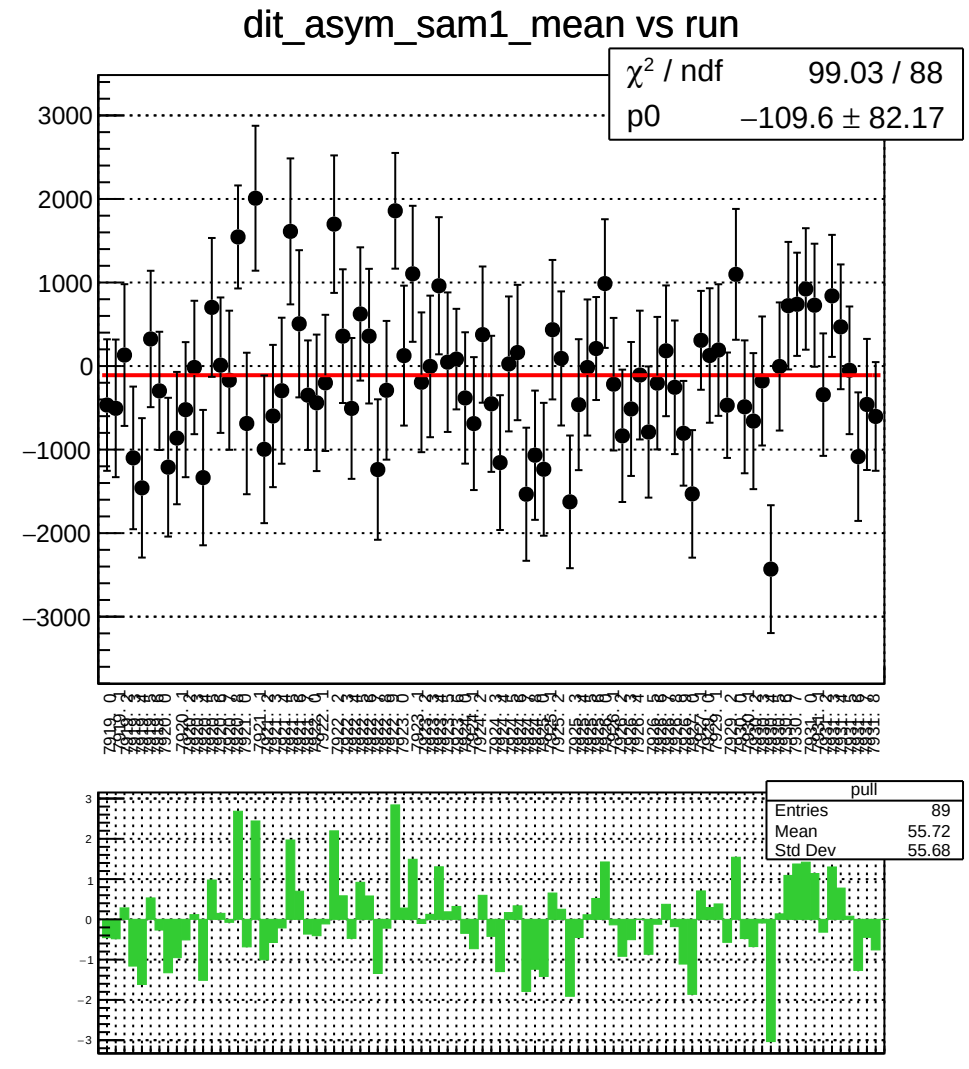

pull1D
Entries 89
Mean 0.007057
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

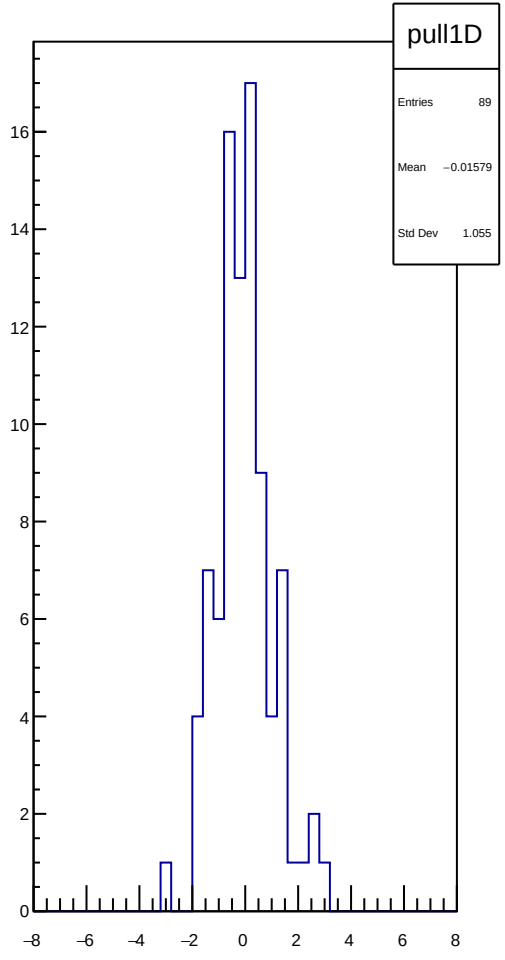

asym_atr2_correction_rms vs run
χ² / ndf 3712 / 88
p0 1.402e+04 ± 10.71
16500
16000
15500
15000
14500
14000
13500
13000
12500

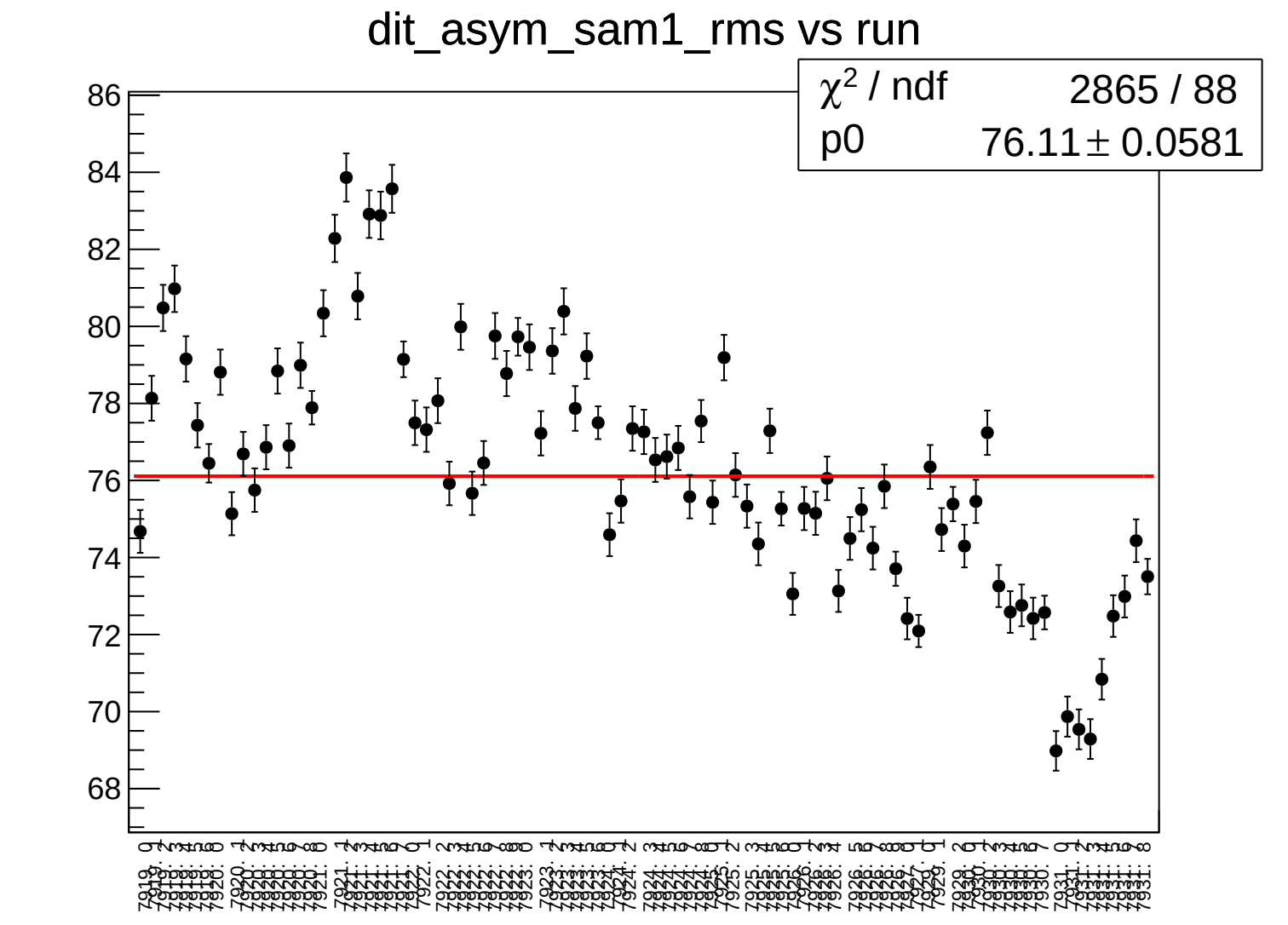

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 85.56 / 88
p0 −1.837e+04 ± 1.535e+04
pull
Entries 89
Mean 156.2
Std Dev 117
3
2
1
0
−1
−2

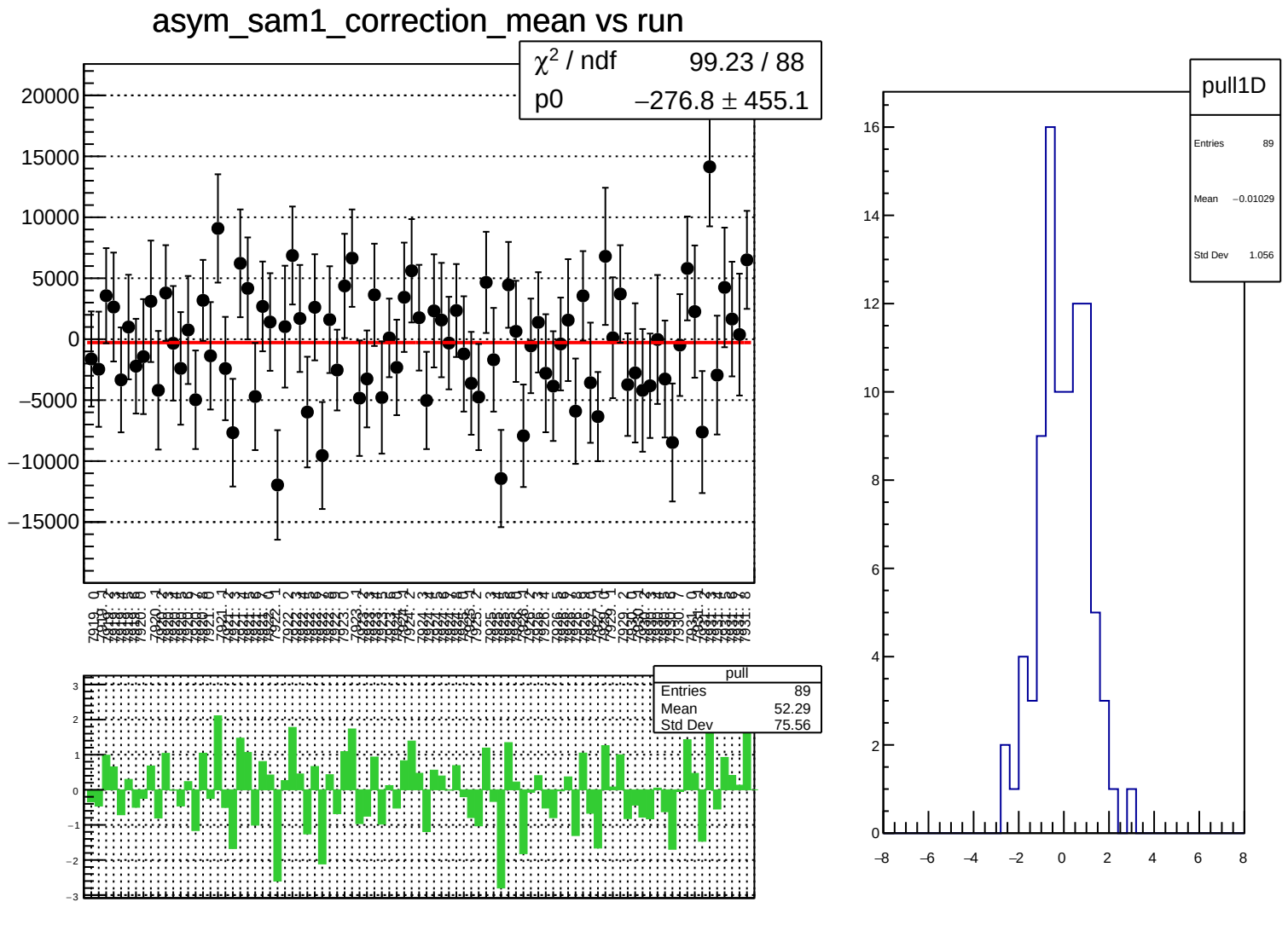

pull1D
Entries 89
Mean −0.007917
Std Dev 0.9805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

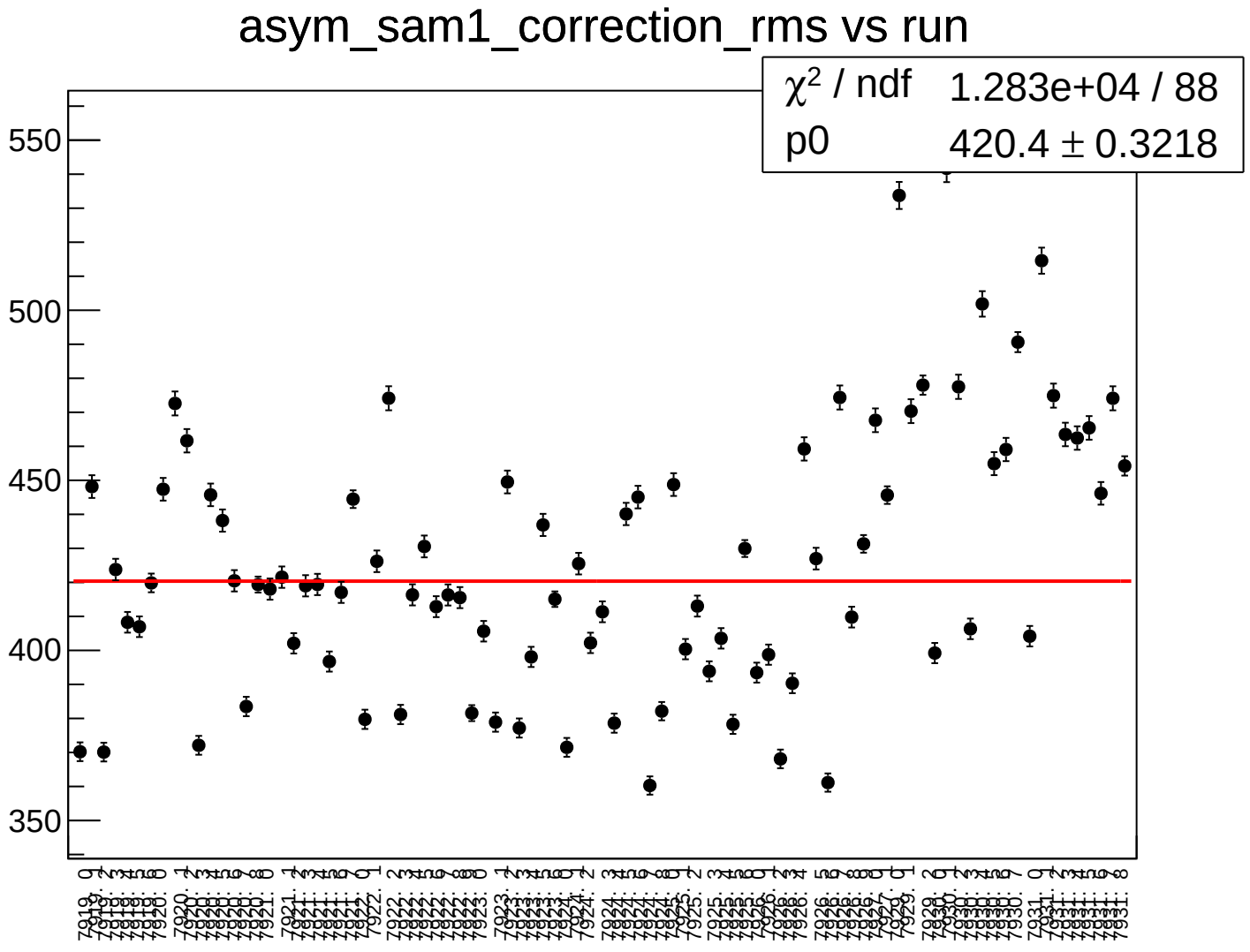

asym_atr2_rms vs run
χ² / ndf 3656 / 88
p0 1.421e+04 ± 10.85
17000
16000
15000
14000
13000

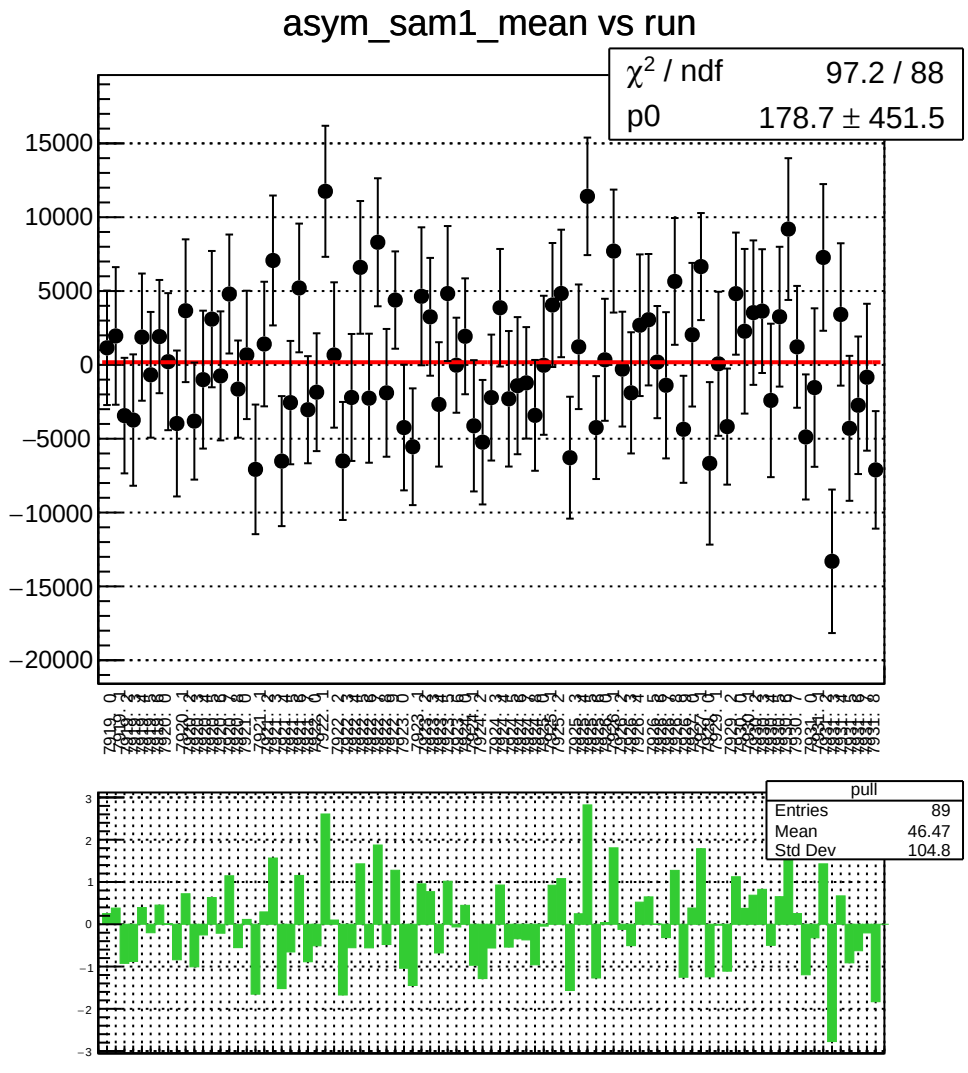

dit_asym_sam1_mean vs run
χ² / ndf 99.03 / 88
p0 −109.6 ± 82.17
pull
Entries 89
Mean 55.72
Std Dev 55.68

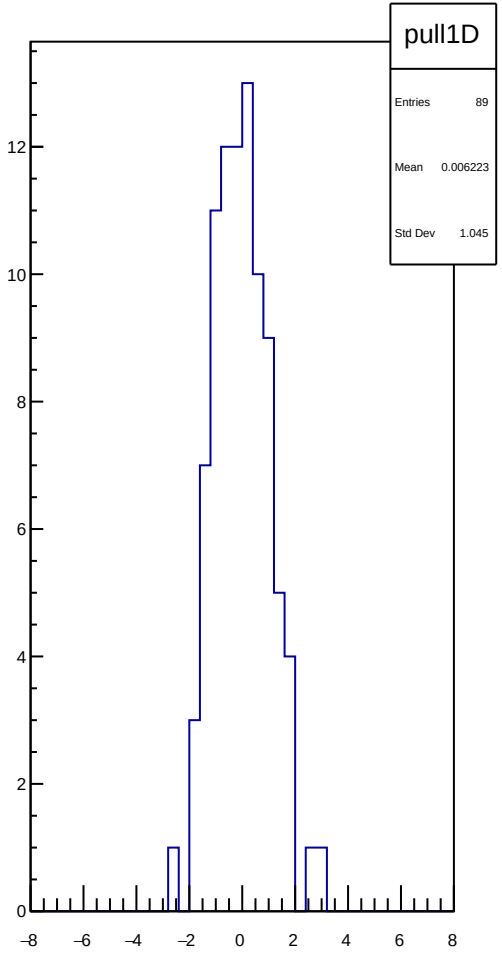

pull1D
Entries 89
Mean −0.01579
Std Dev 1.055

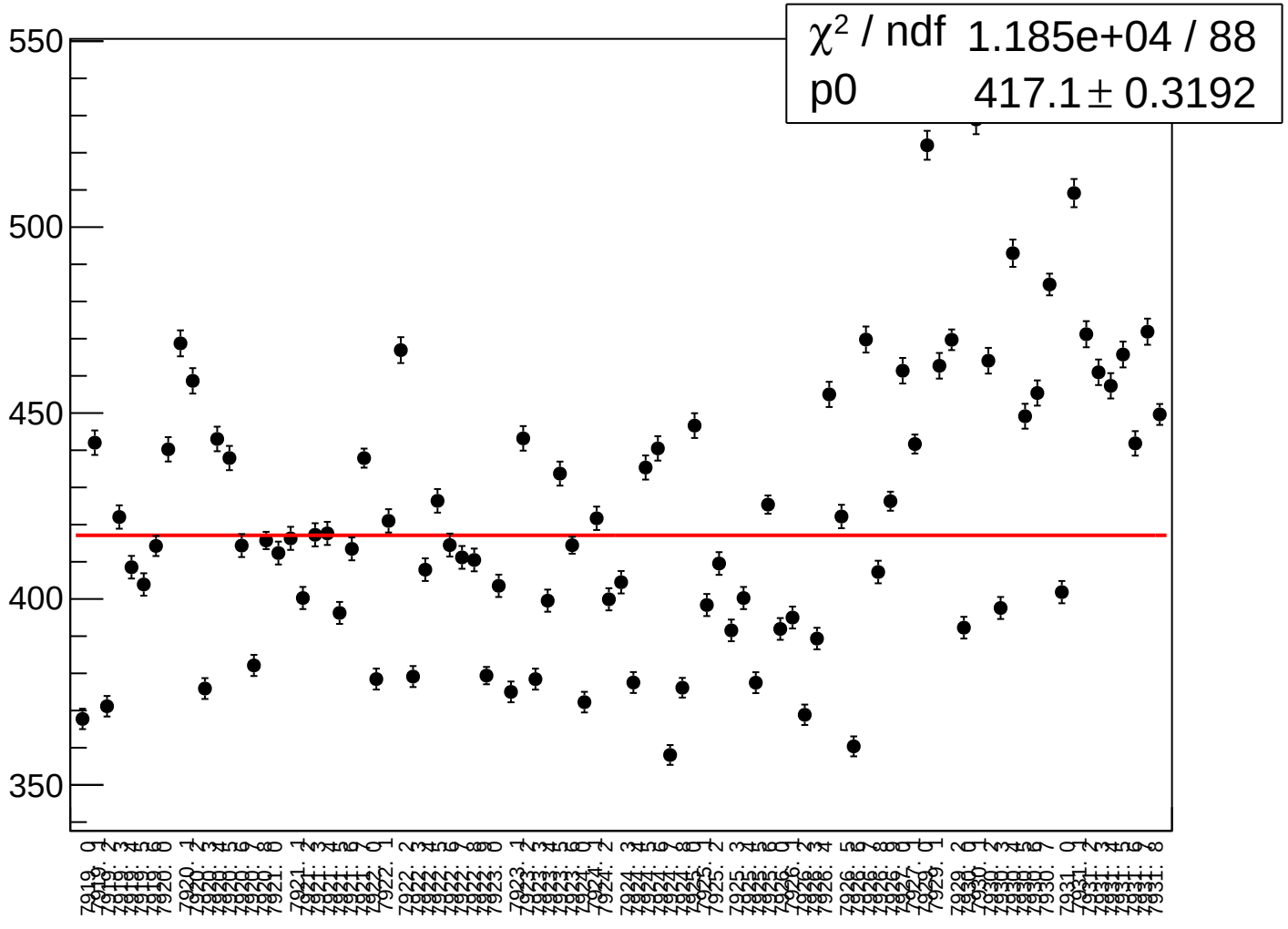

dit_asym_sam1_rms vs run
χ^2 / ndf 2865 / 88
p0 76.11 ± 0.0581
86
84
82
80
78
76
74
72
70
68

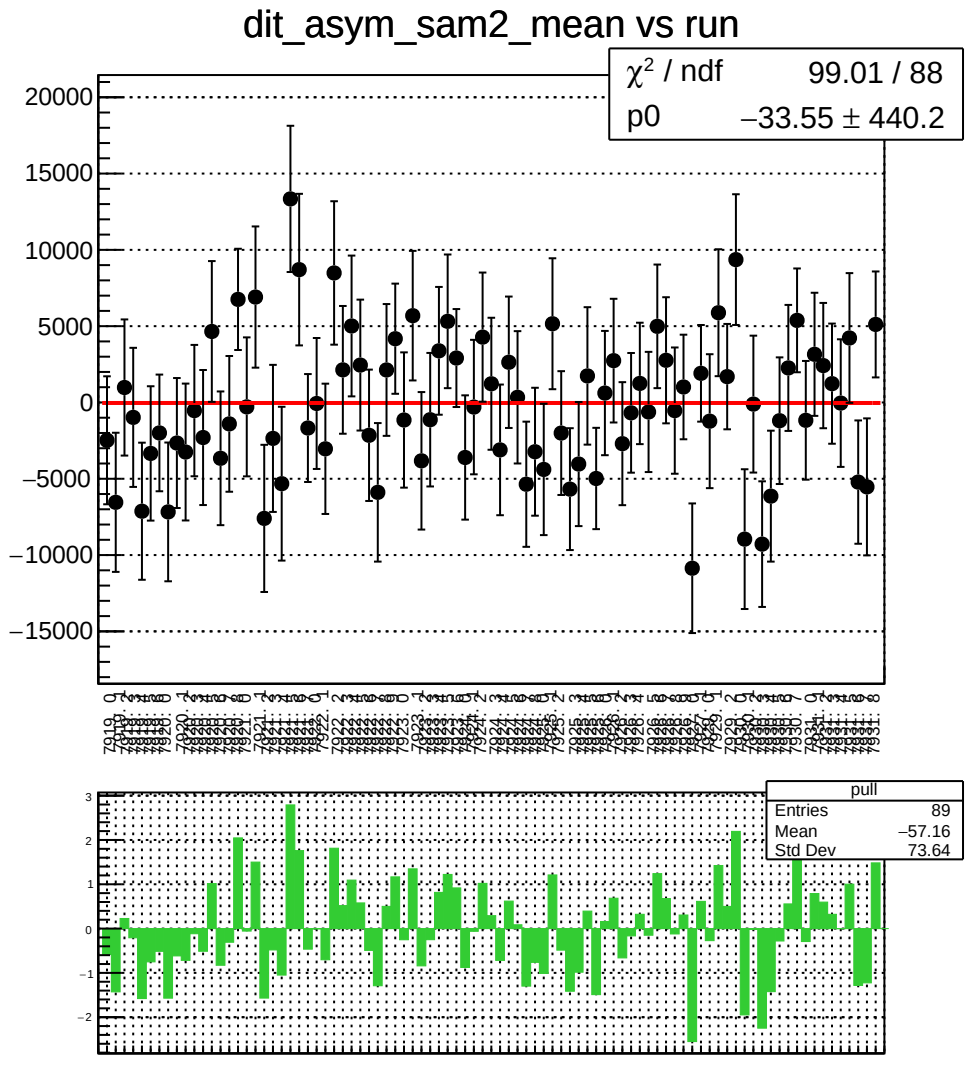

asym_sam1_correction_mean vs run
χ² / ndf 99.23 / 88
p0 −276.8 ± 455.1
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 52.29
Std Dev 75.56
3
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.01029
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

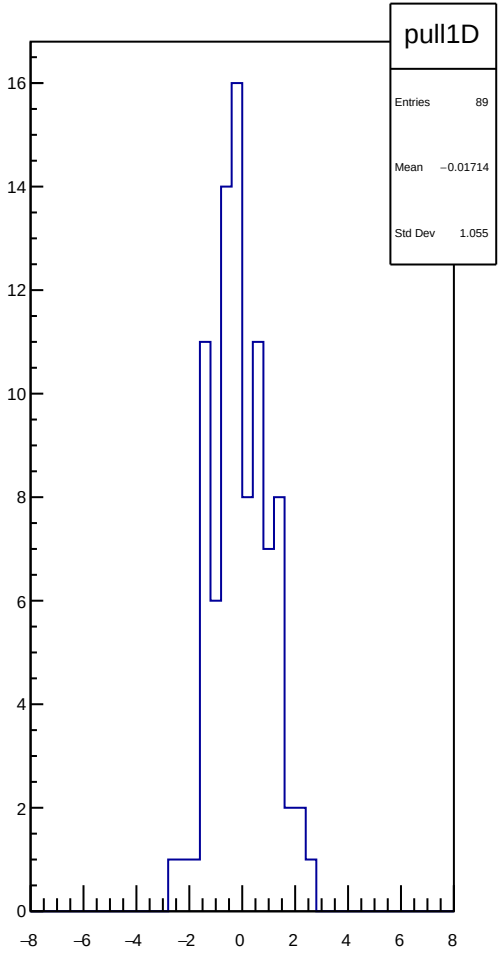

asym_sam1_correction_rms vs run
χ² / ndf 1.283e+04 / 88
p0 420.4 ± 0.3218
550
500
450
400
350

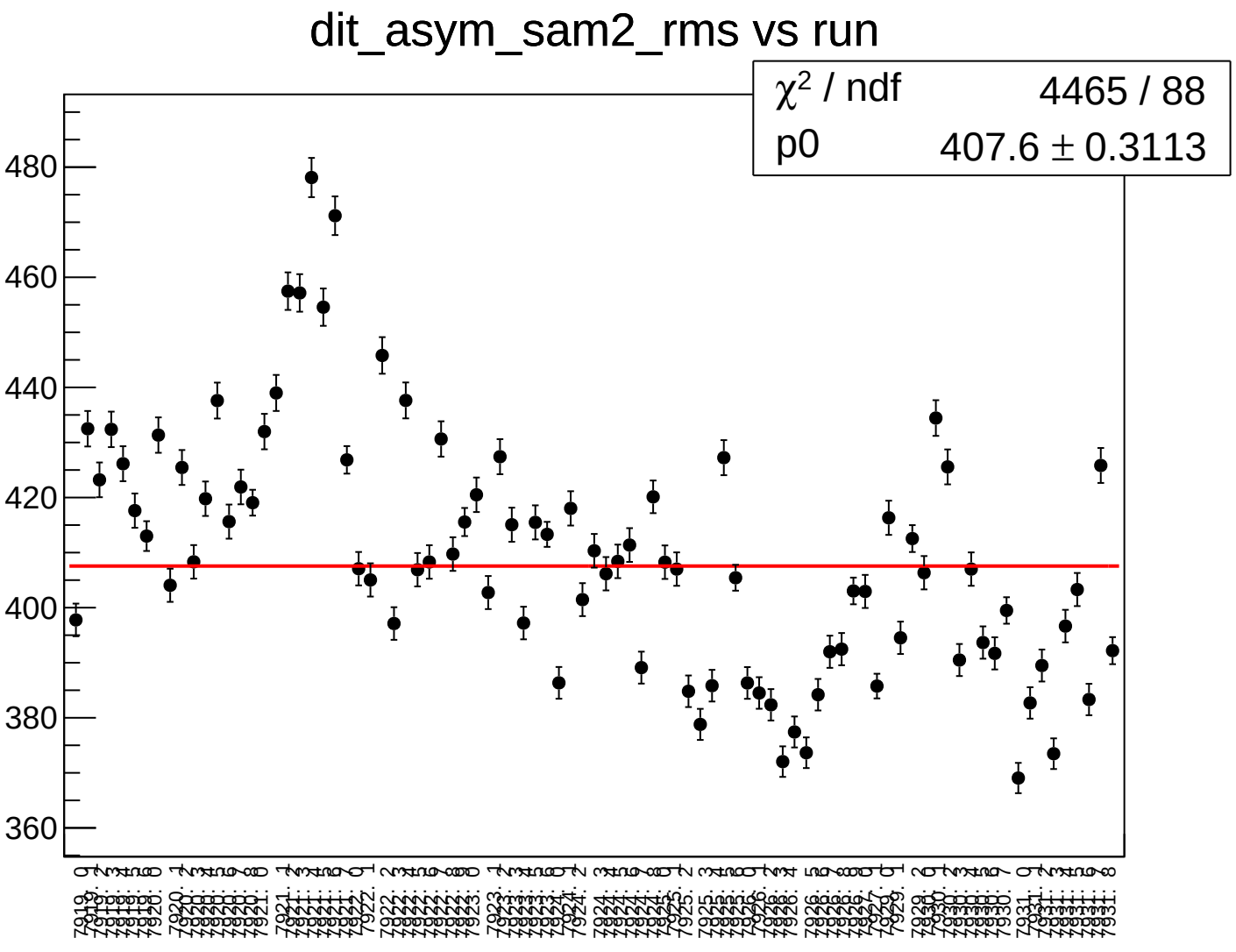

asym_sam1_mean vs run
χ² / ndf 97.2 / 88
p0 178.7 ± 451.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 89
Mean 46.47
Std Dev 104.8
3
2
1
0
−1
−2
−3

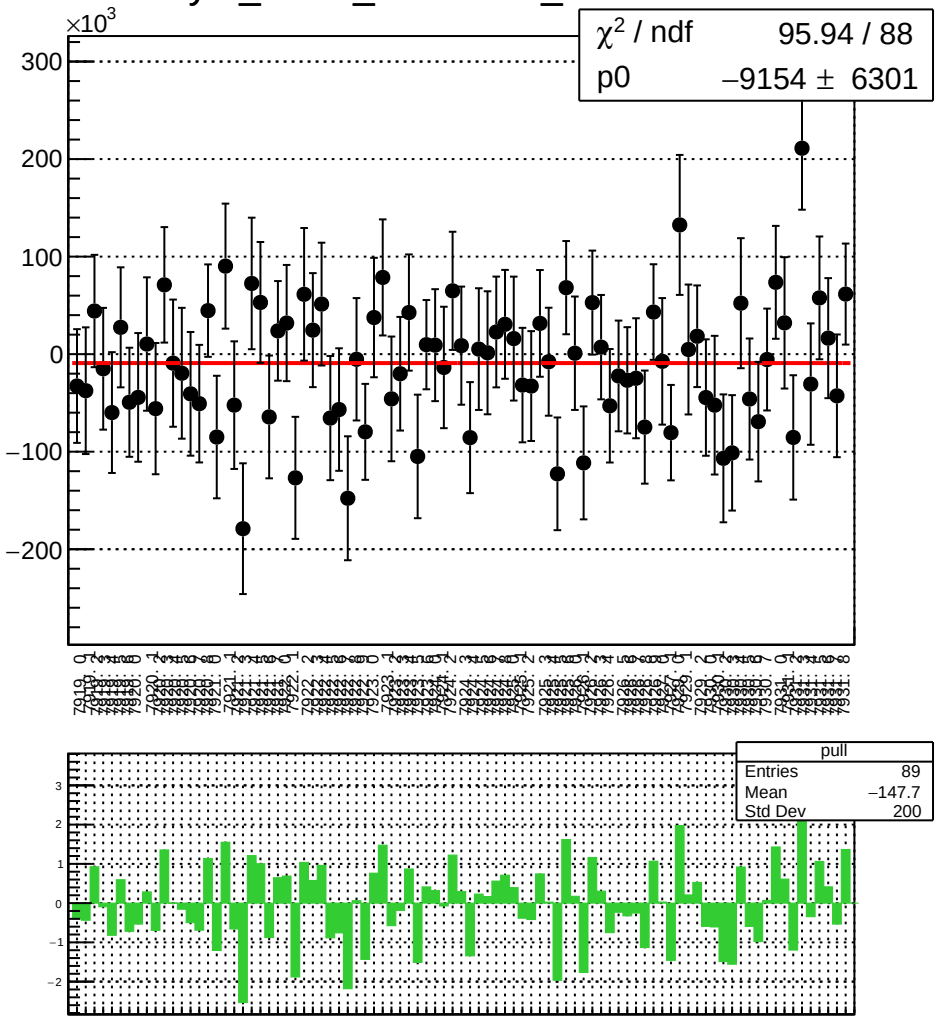

pull1D
Entries 89
Mean 0.006223
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

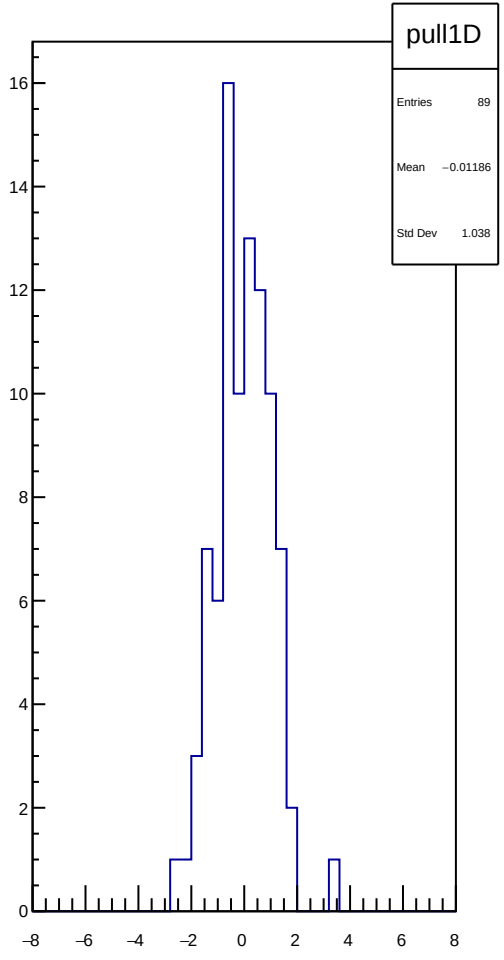

asym_sam1_rms vs run
χ² / ndf 1.185e+04 / 88
p0 417.1 ± 0.3192
550
500
450
400
350

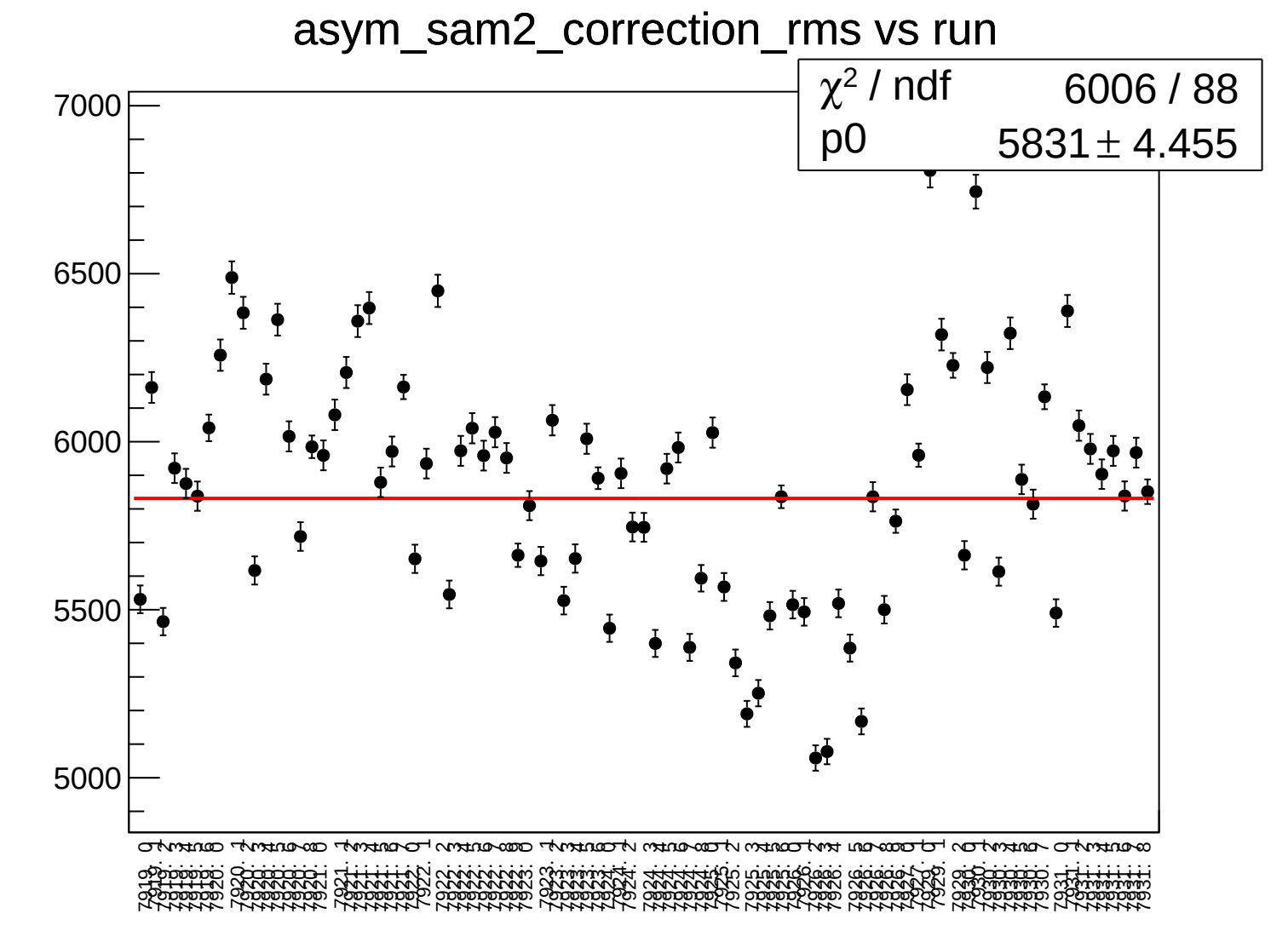

dit_asym_sam2_mean vs run
χ^2 / ndf 99.01 / 88
p0 −33.55 ± 440.2
pull
Entries 89
Mean −57.16
Std Dev 73.64

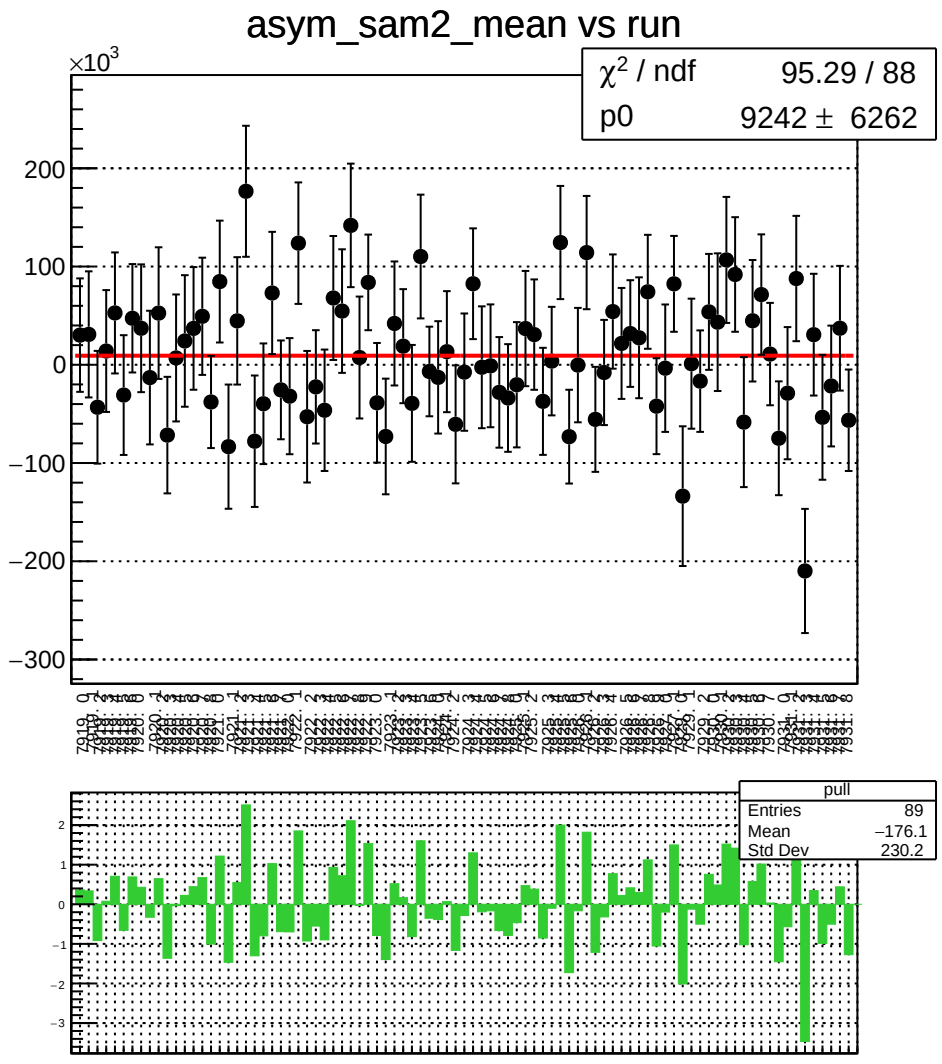

pull1D
Entries 89
Mean −0.01714
Std Dev 1.055

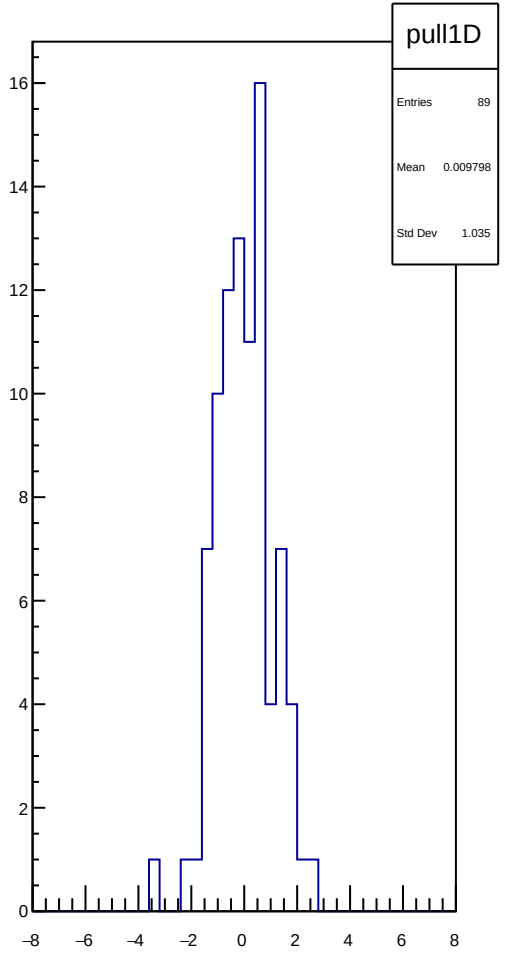

dit_asym_sam2_rms vs run
χ² / ndf 4465 / 88
p0 407.6 ± 0.3113
480
460
440
420
400
380
360

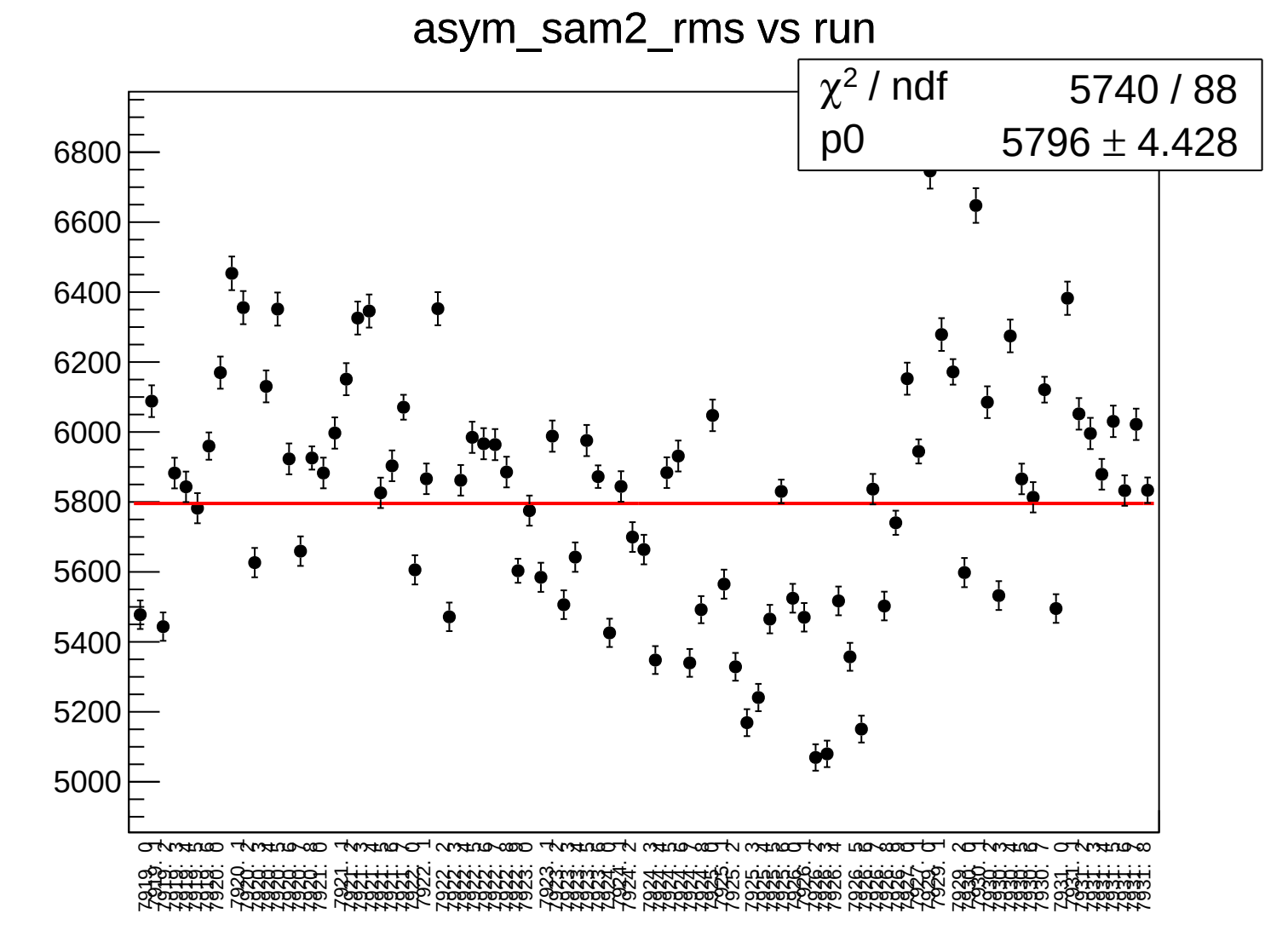

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 95.94 / 88
p0 −9154 ± 6301
300
200
100
0
−100
−200
pull
Entries 89
Mean −147.7
Std Dev 200
3
2
1
0
−1
−2

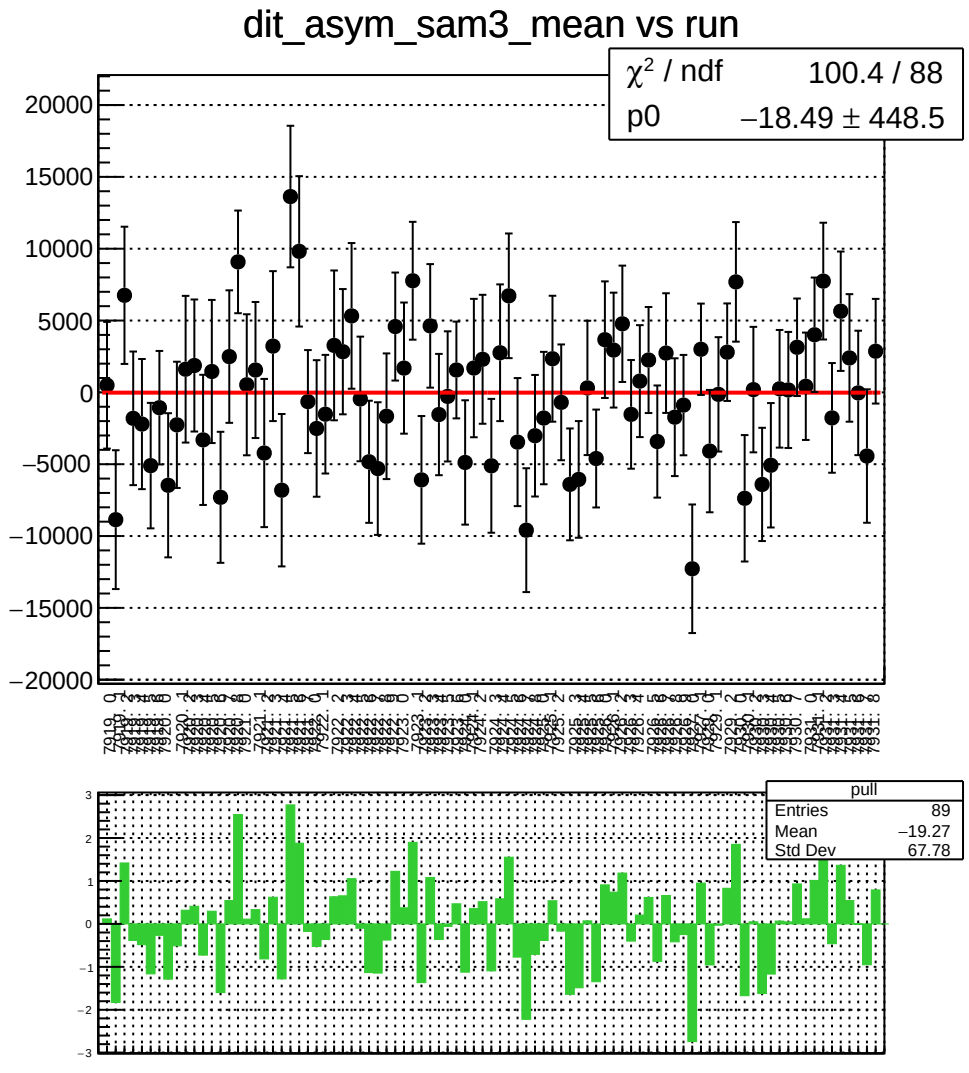

pull1D
Entries 89
Mean −0.01186
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

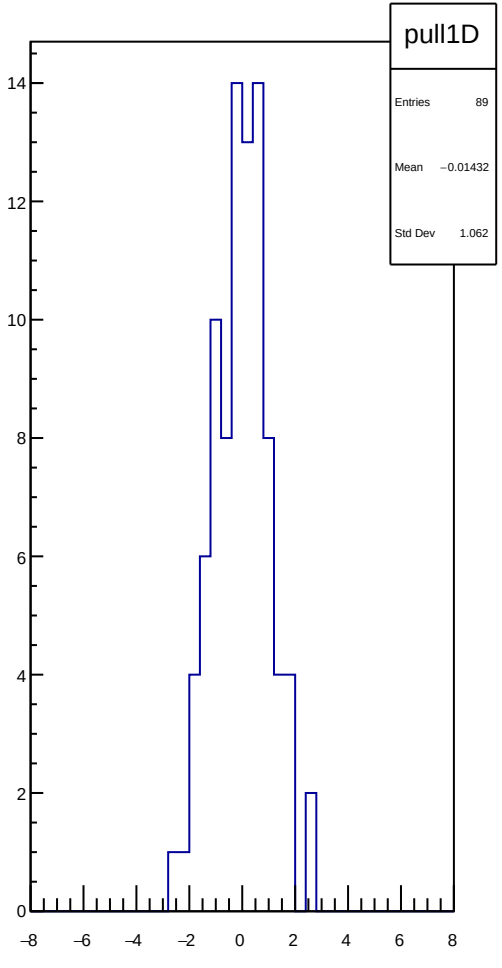

asym_sam2_correction_rms vs run
χ^2 / ndf 6006 / 88
p0 5831 ± 4.455
7000
6500
6000
5500
5000

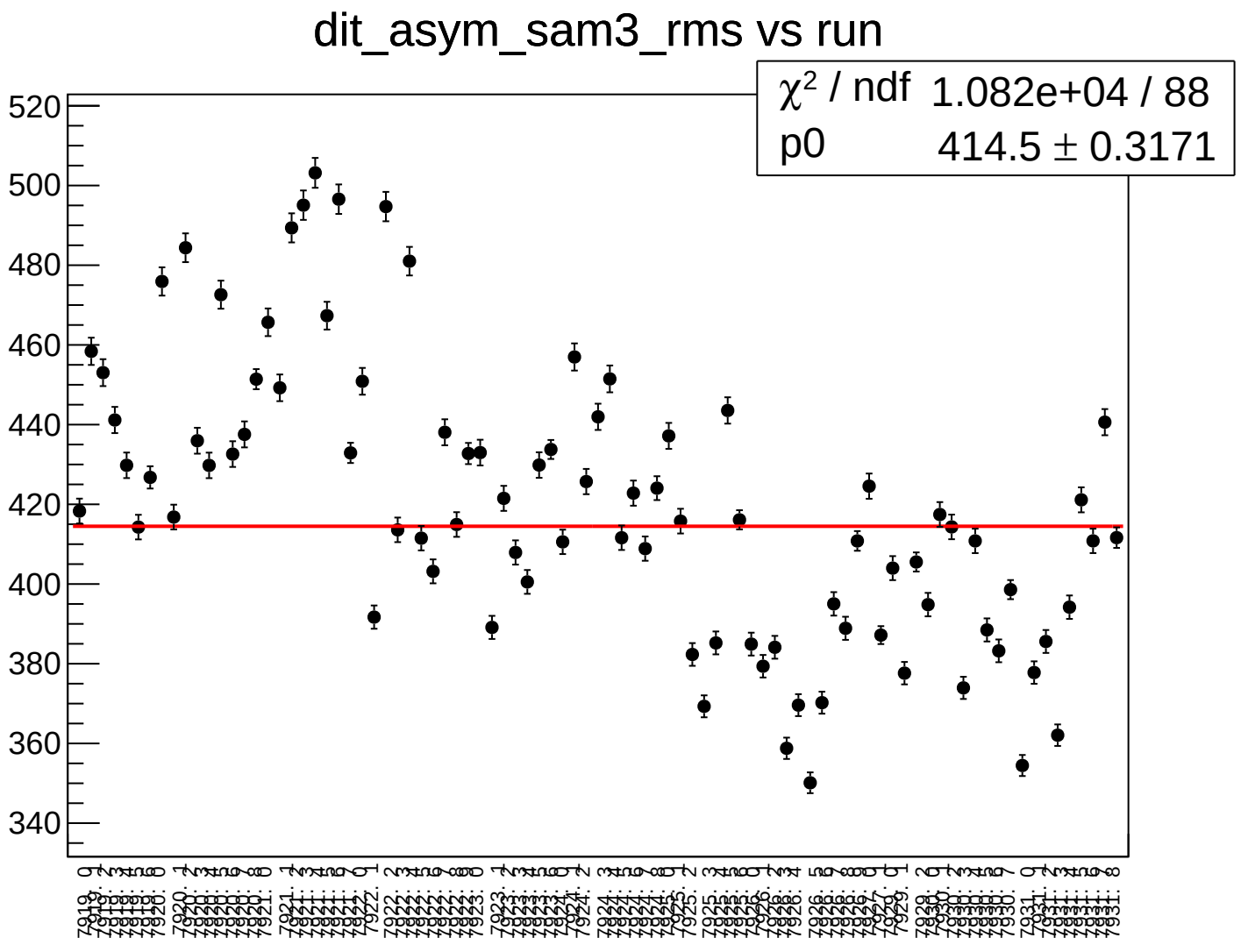

asym_sam2_mean vs run
×10^3
χ² / ndf 95.29 / 88
p0 9242 ± 6262
200
100
0
−100
−200
−300
pull
Entries 89
Mean −176.1
Std Dev 230.2
2
1
0
−1
−2
−3

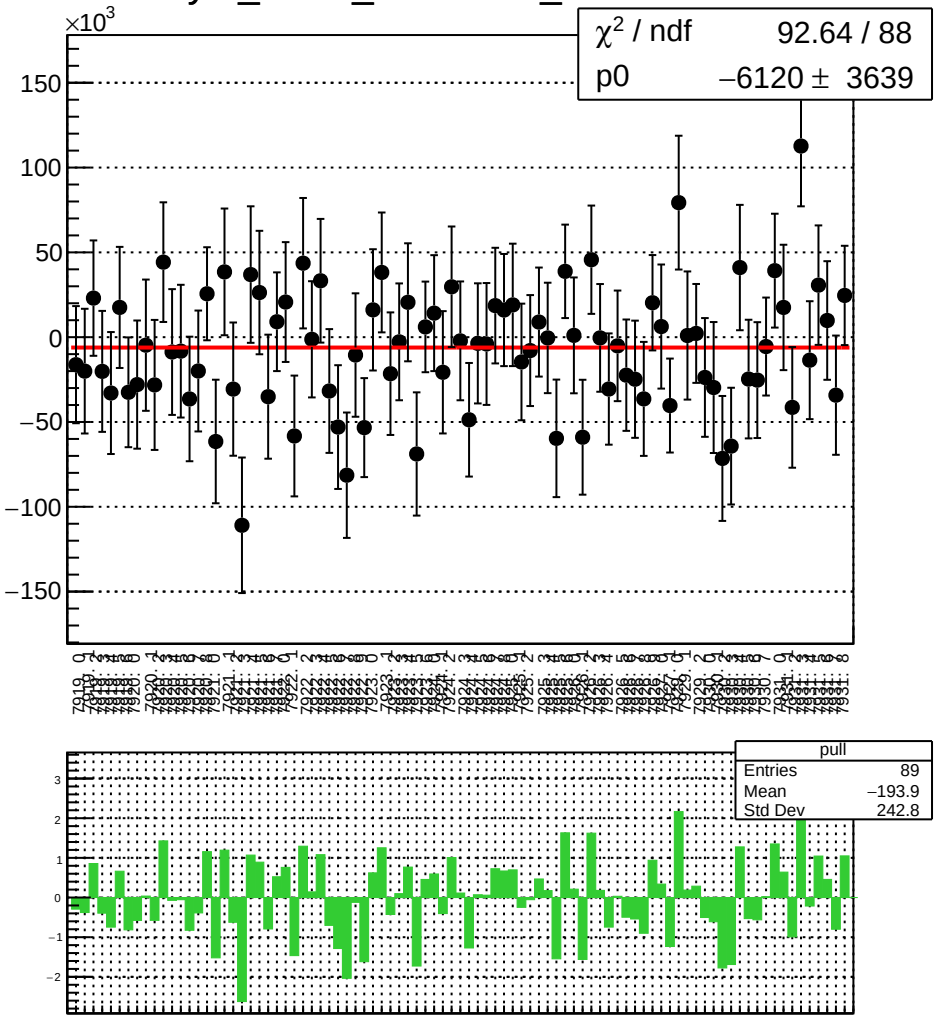

pull1D
Entries 89
Mean 0.009798
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

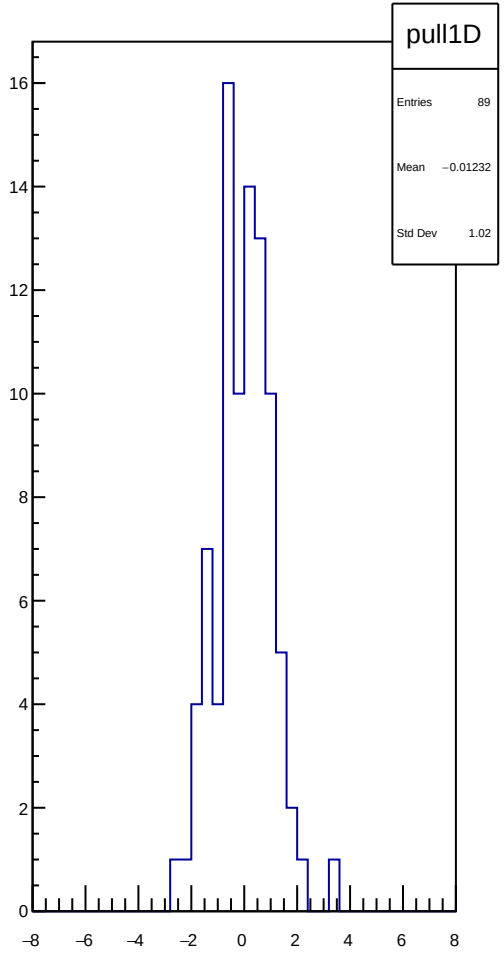

asym_sam2_rms vs run
χ² / ndf 5740 / 88
p0 5796 ± 4.428
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

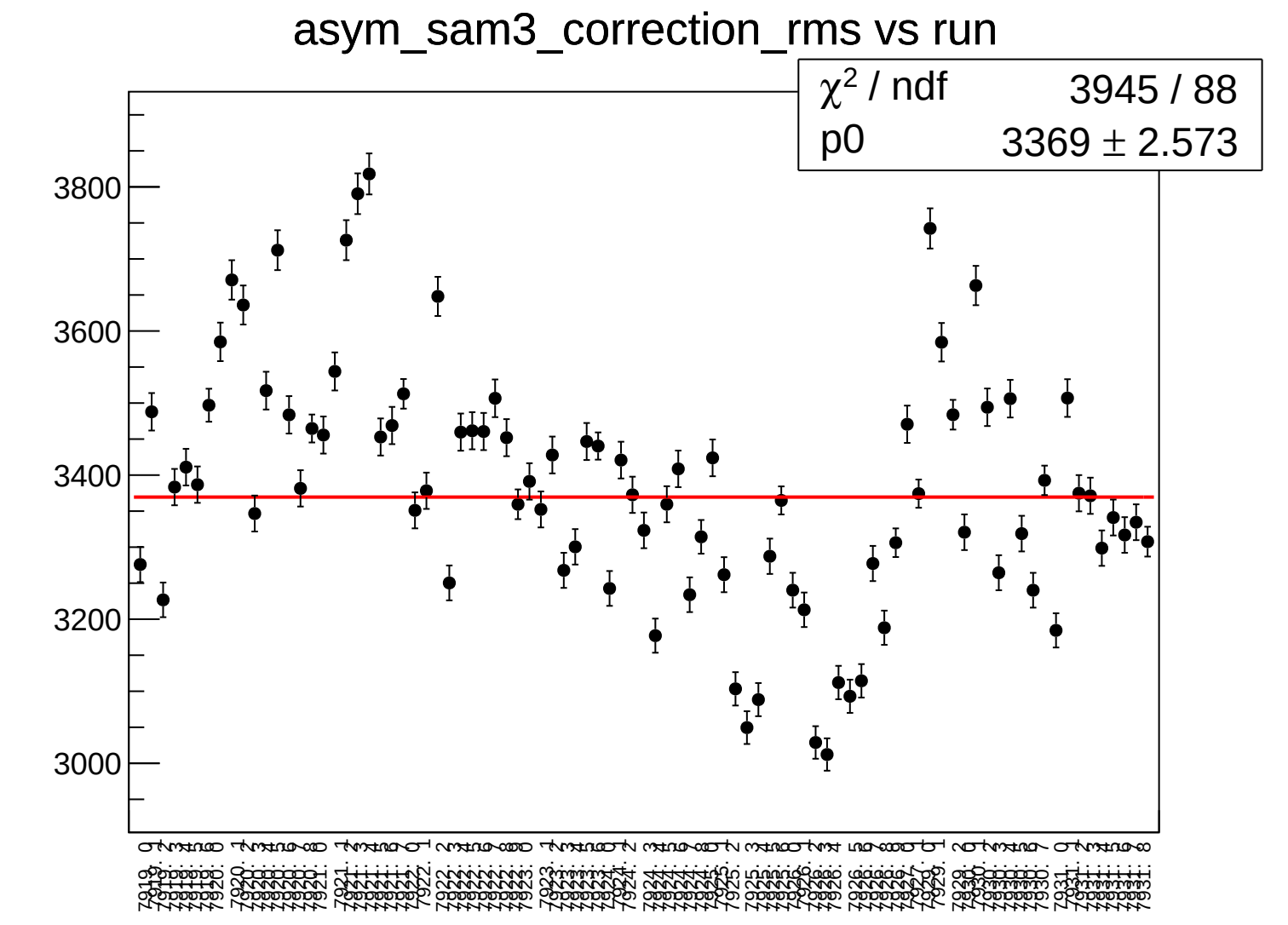

dit_asym_sam3_mean vs run
χ² / ndf 100.4 / 88
p0 −18.49 ± 448.5
pull
Entries 89
Mean −19.27
Std Dev 67.78

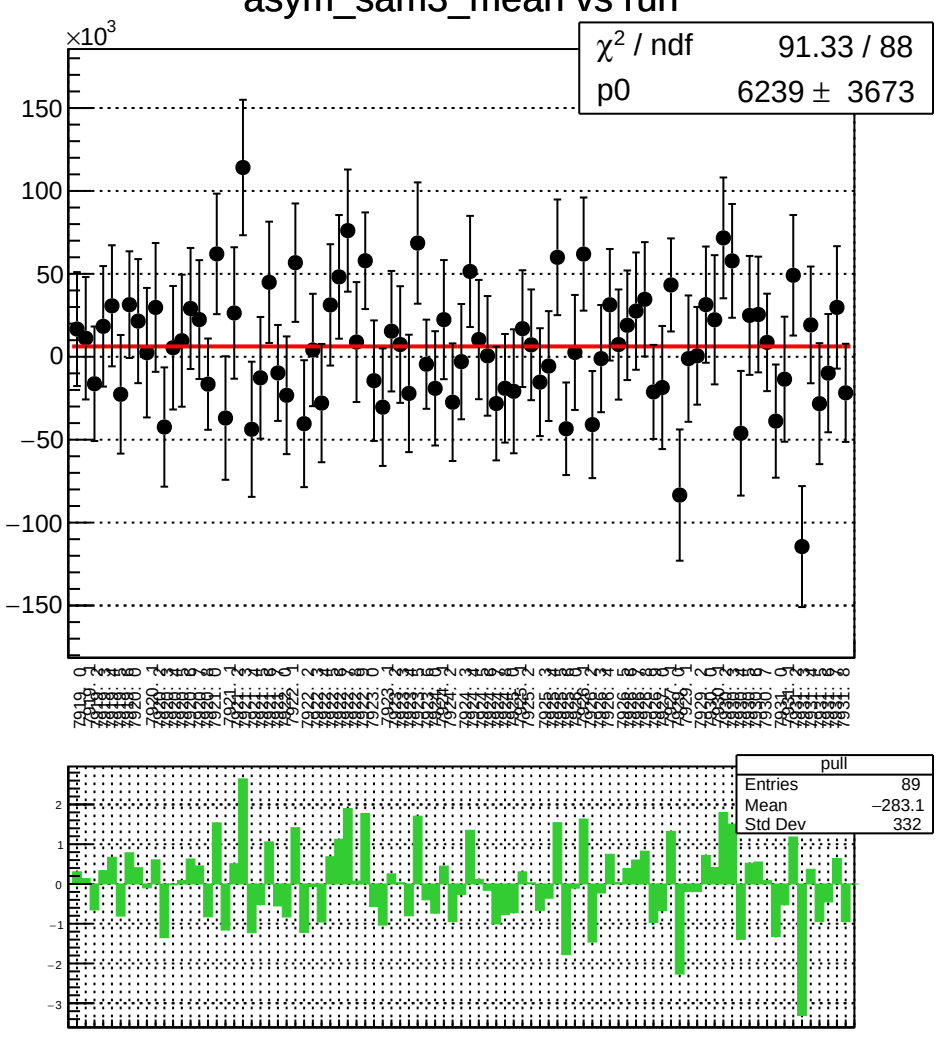

pull1D
Entries 89
Mean −0.01432
Std Dev 1.062

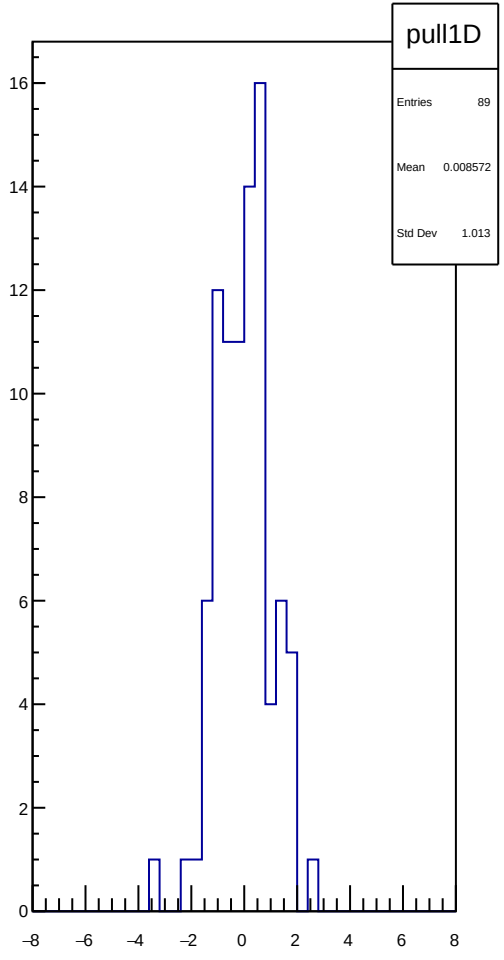

dit_asym_sam3_rms vs run
χ² / ndf 1.082e+04 / 88
p0 414.5 ± 0.3171
520
500
480
460
440
420
400
380
360
340

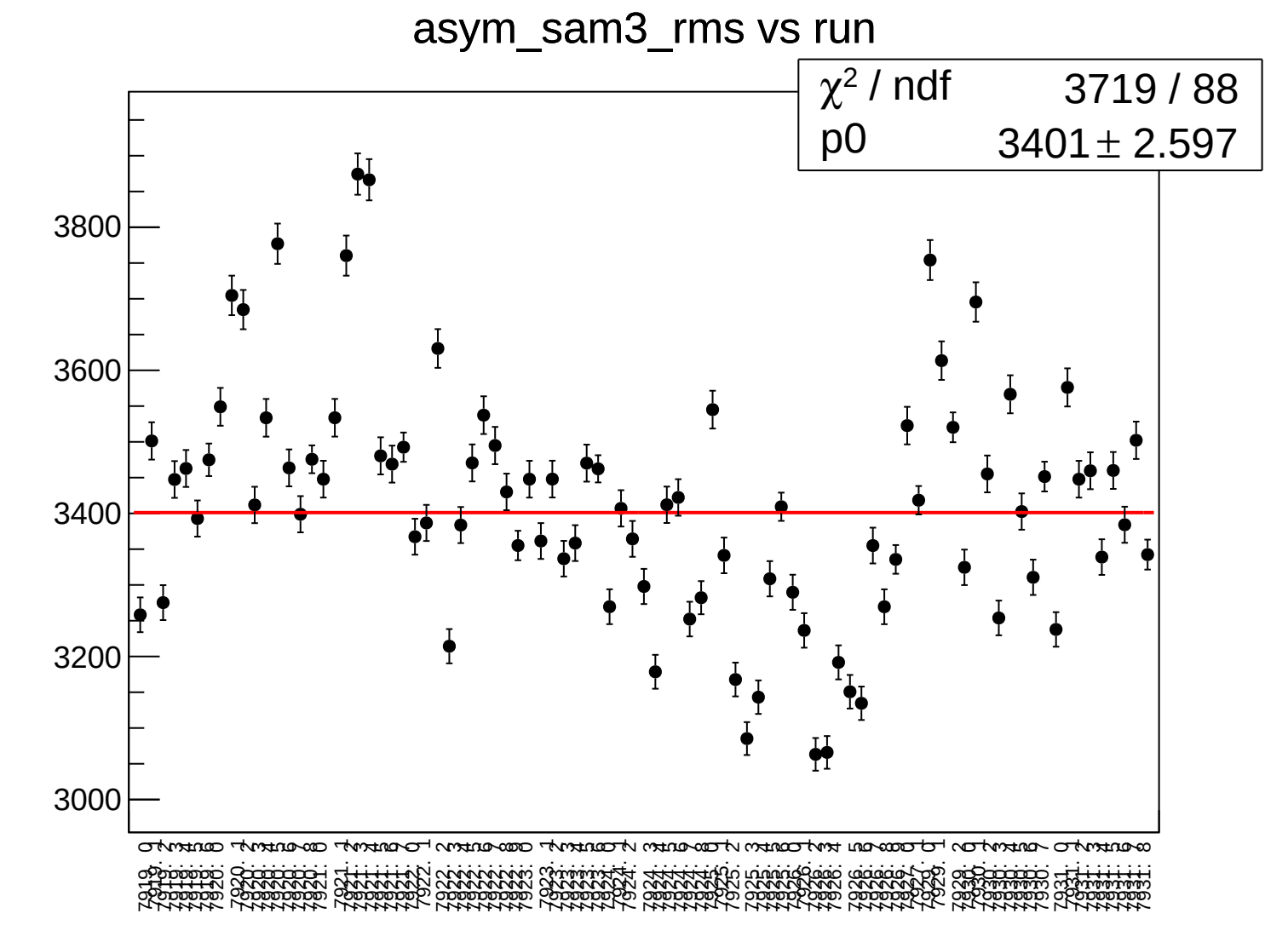

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 92.64 / 88
p0 −6120 ± 3639
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −193.9
Std Dev 242.8
3
2
1
0
−1
−2

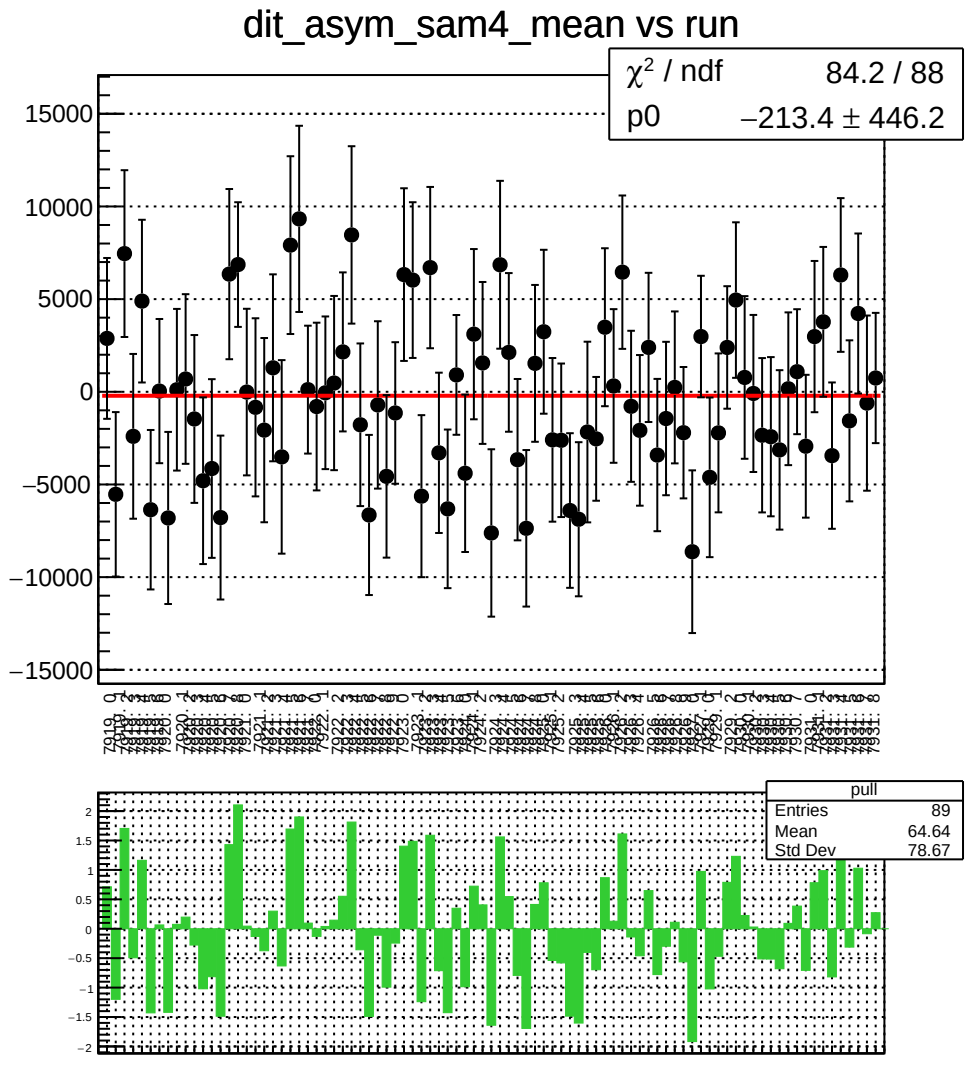

pull1D
Entries 89
Mean −0.01232
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

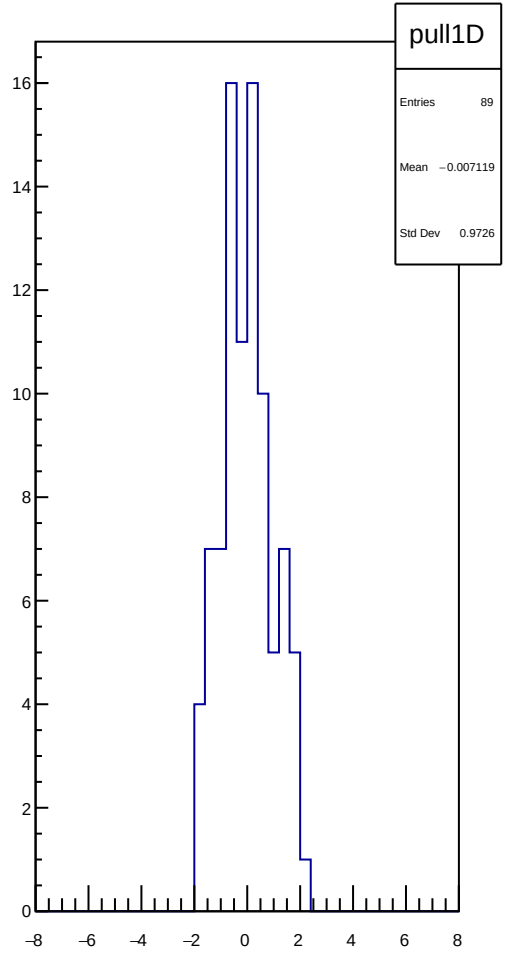

asym_sam3_correction_rms vs run
χ² / ndf 3945 / 88
p0 3369 ± 2.573
3800
3600
3400
3200
3000

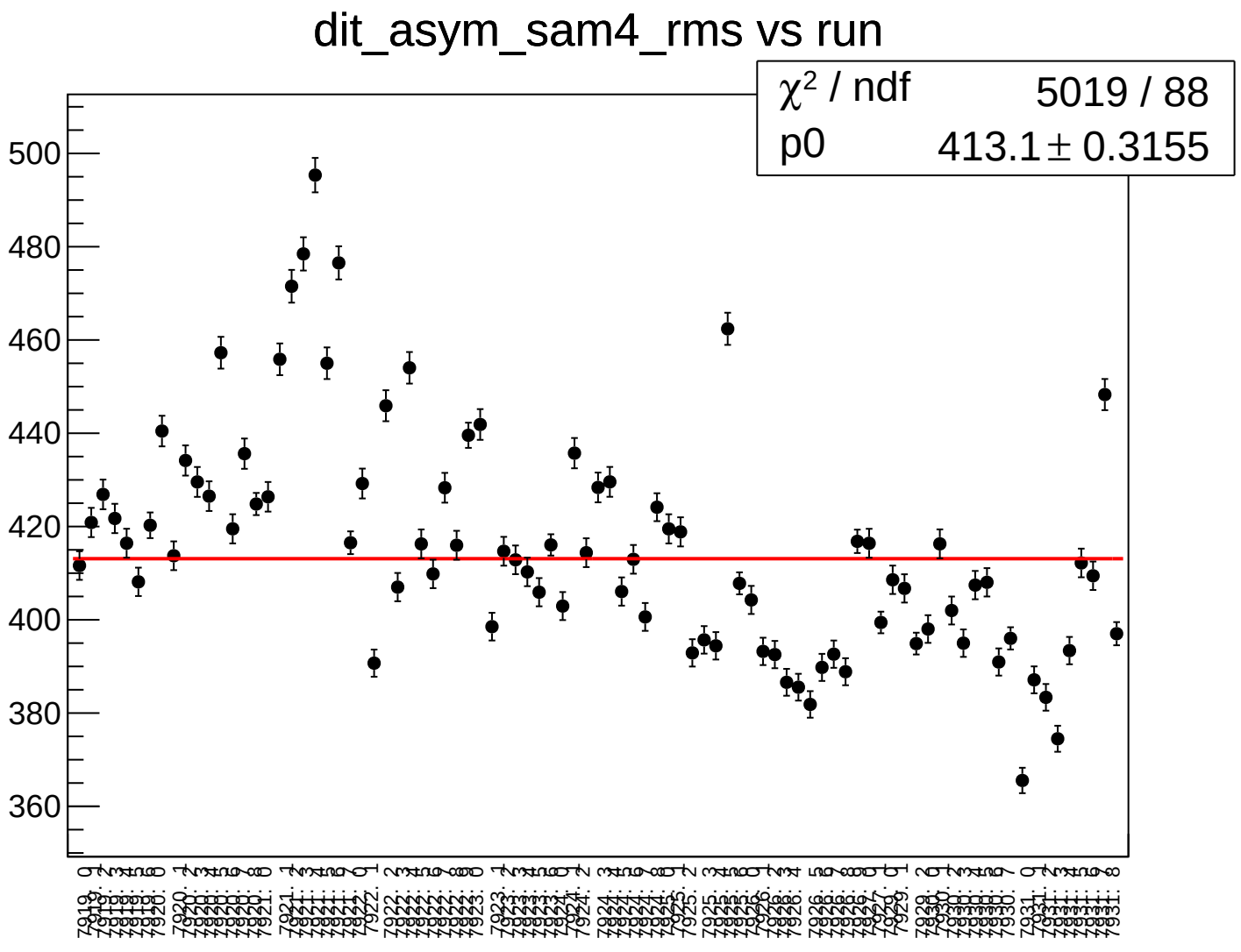

asym_sam3_mean vs run
×10^3
χ^2 / ndf 91.33 / 88
p0 6239 ± 3673
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −283.1
Std Dev 332
2
1
0
−1
−2
−3

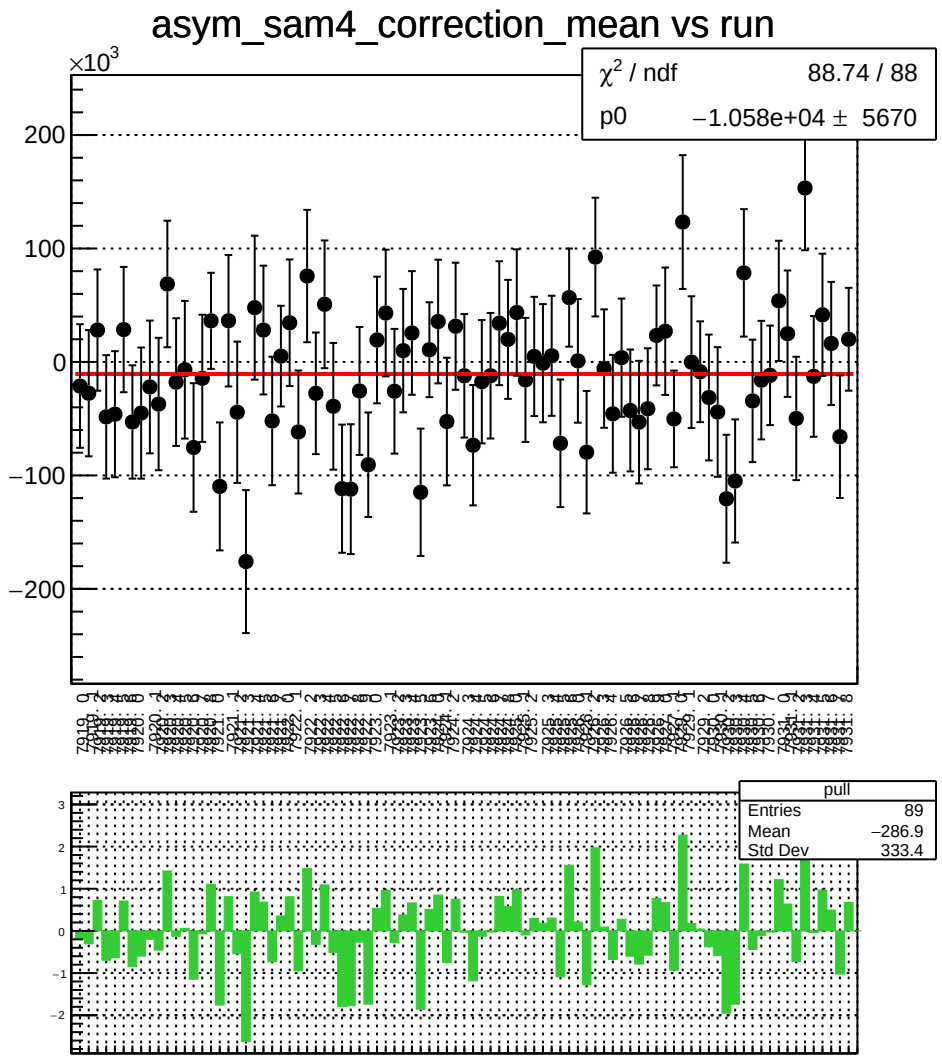

pull1D
Entries 89
Mean 0.008572
Std Dev 1.013
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

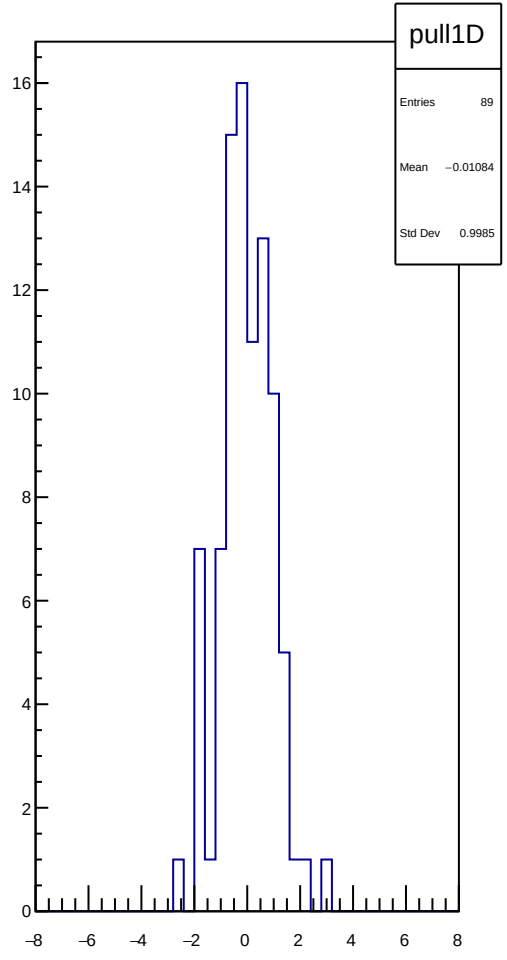

asym_sam3_rms vs run
χ² / ndf 3719 / 88
p0 3401 ± 2.597
3800
3600
3400
3200
3000

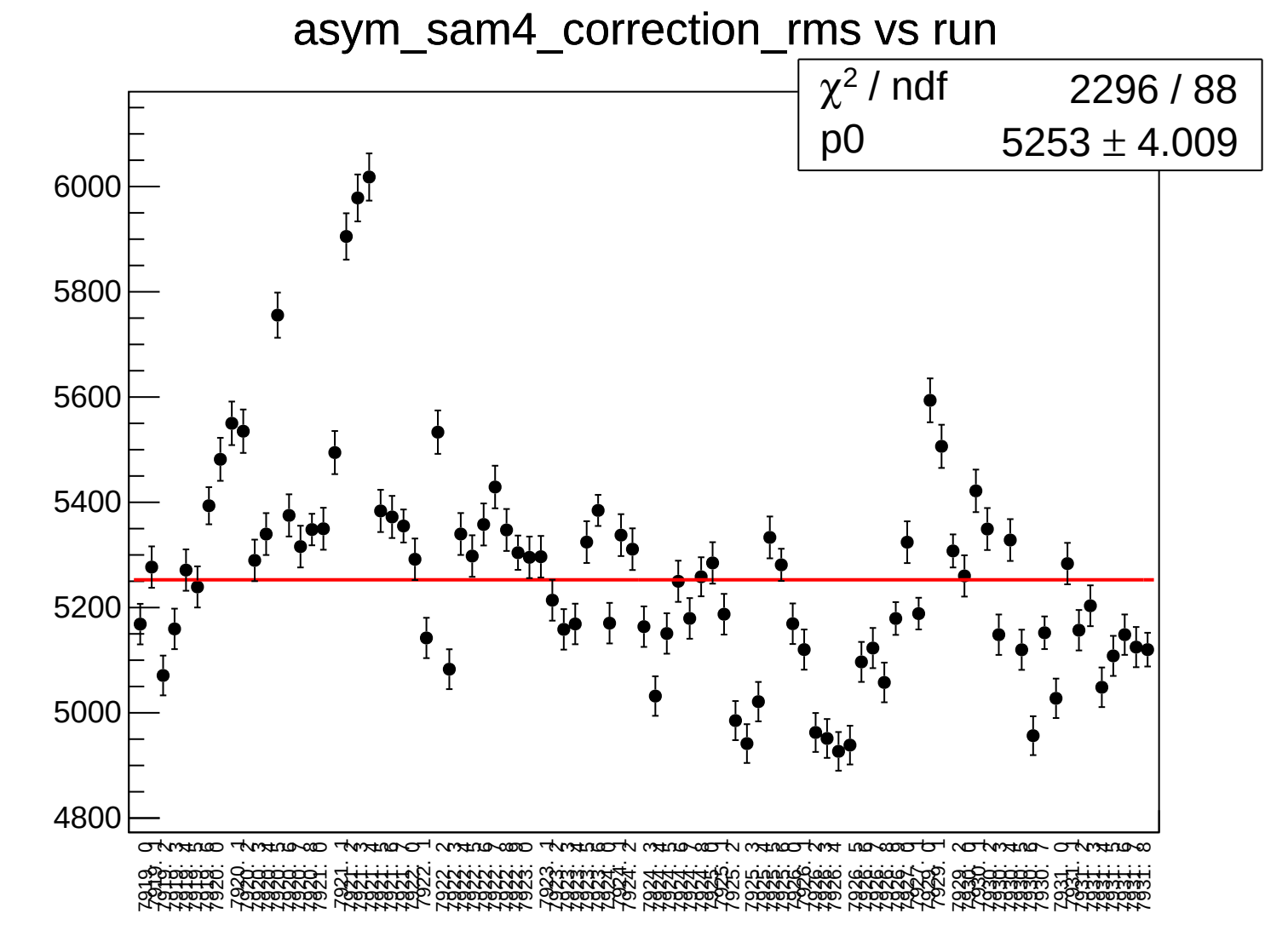

dit_asym_sam4_mean vs run
χ² / ndf 84.2 / 88
p0 −213.4 ± 446.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 89
Mean 64.64
Std Dev 78.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

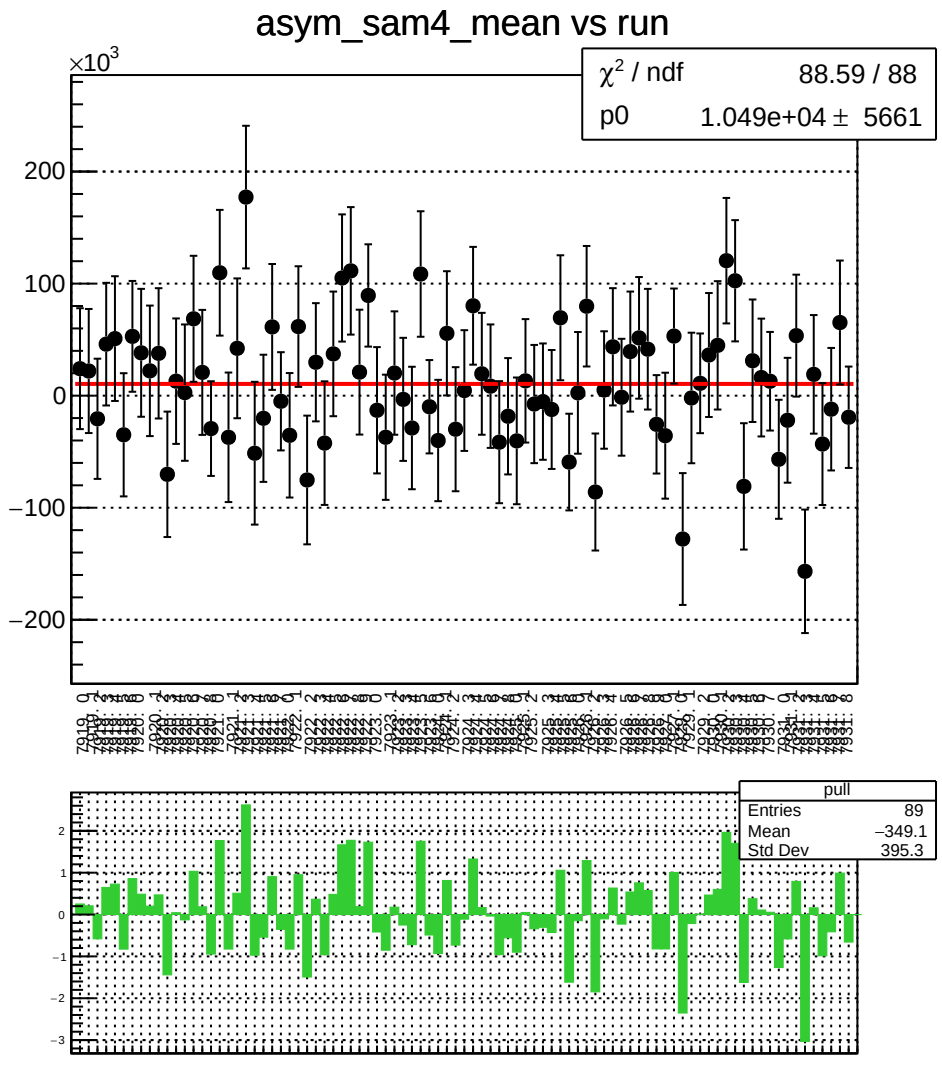

pull1D
Entries 89
Mean −0.007119
Std Dev 0.9726
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

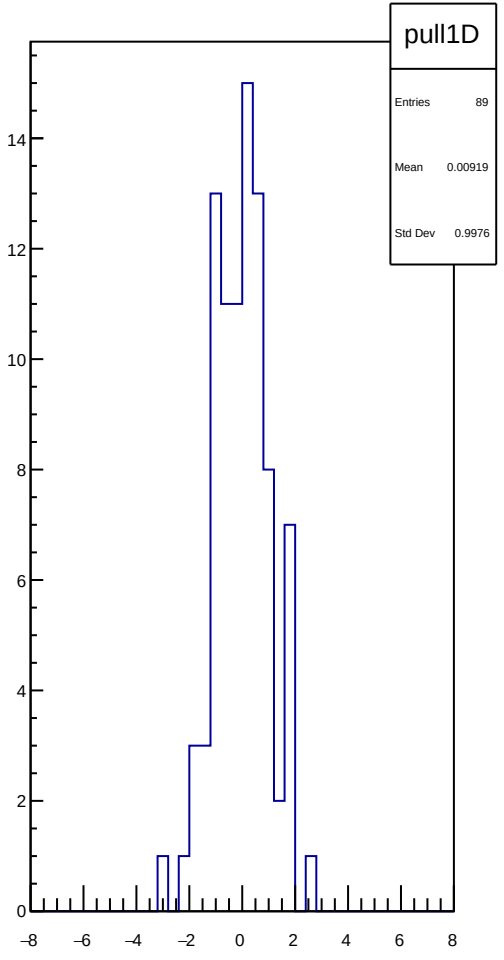

dit_asym_sam4_rms vs run
χ² / ndf 5019 / 88
p0 413.1 ± 0.3155
500
480
460
440
420
400
380
360

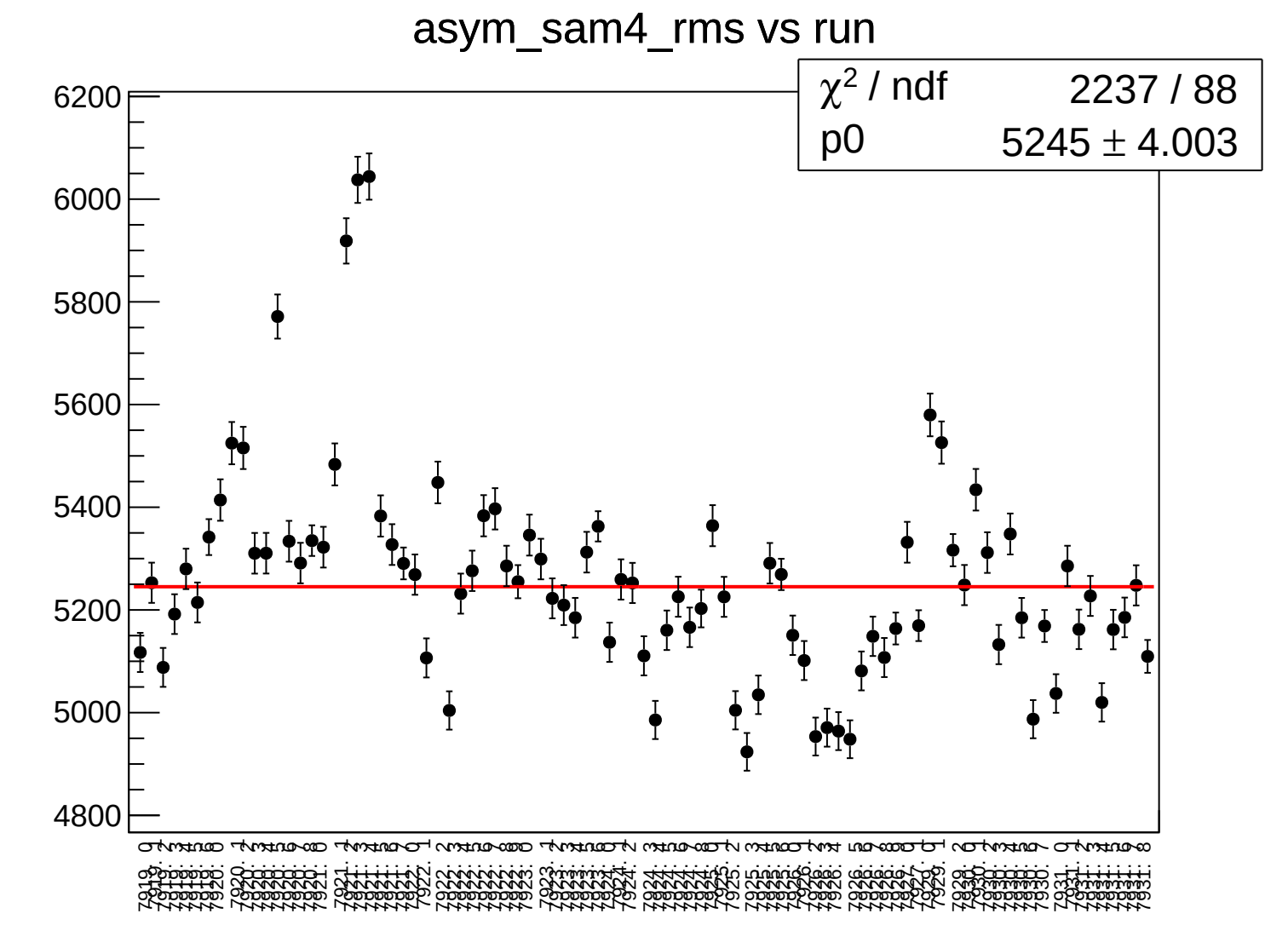

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.74 / 88
p0 −1.058e+04 ± 5670
200
100
0
−100
−200
pull
Entries 89
Mean −286.9
Std Dev 333.4
3
2
1
0
−1
−2

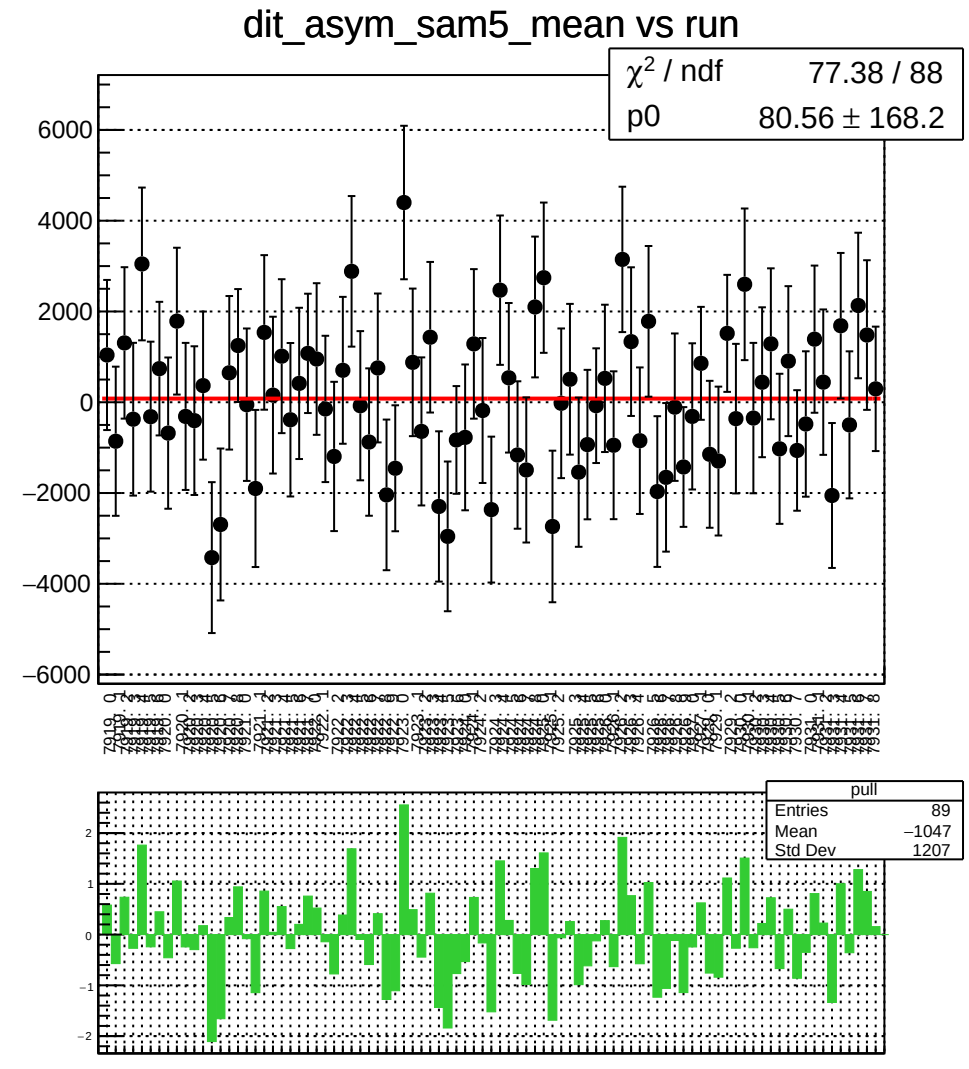

pull1D
Entries 89
Mean −0.01084
Std Dev 0.9985
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

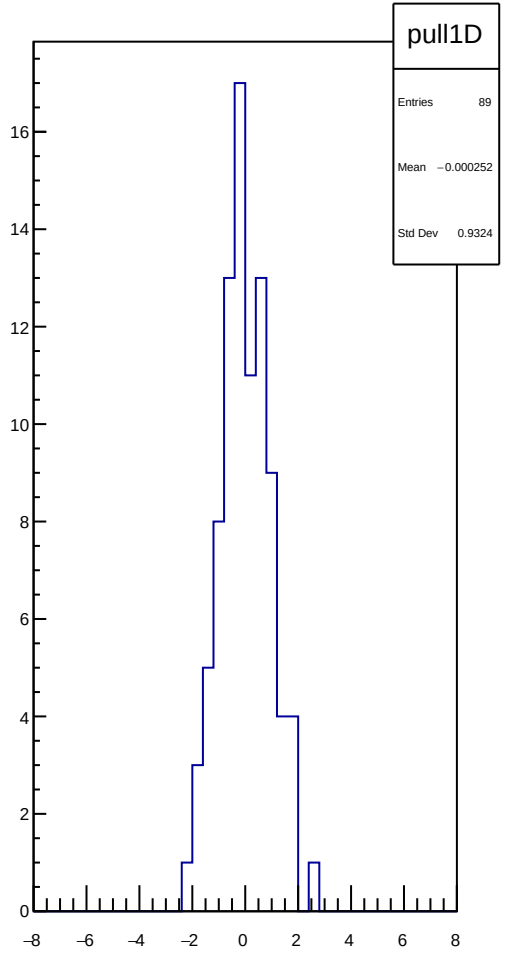

asym_sam4_correction_rms vs run
χ² / ndf 2296 / 88
p0 5253 ± 4.009
6000
5800
5600
5400
5200
5000
4800

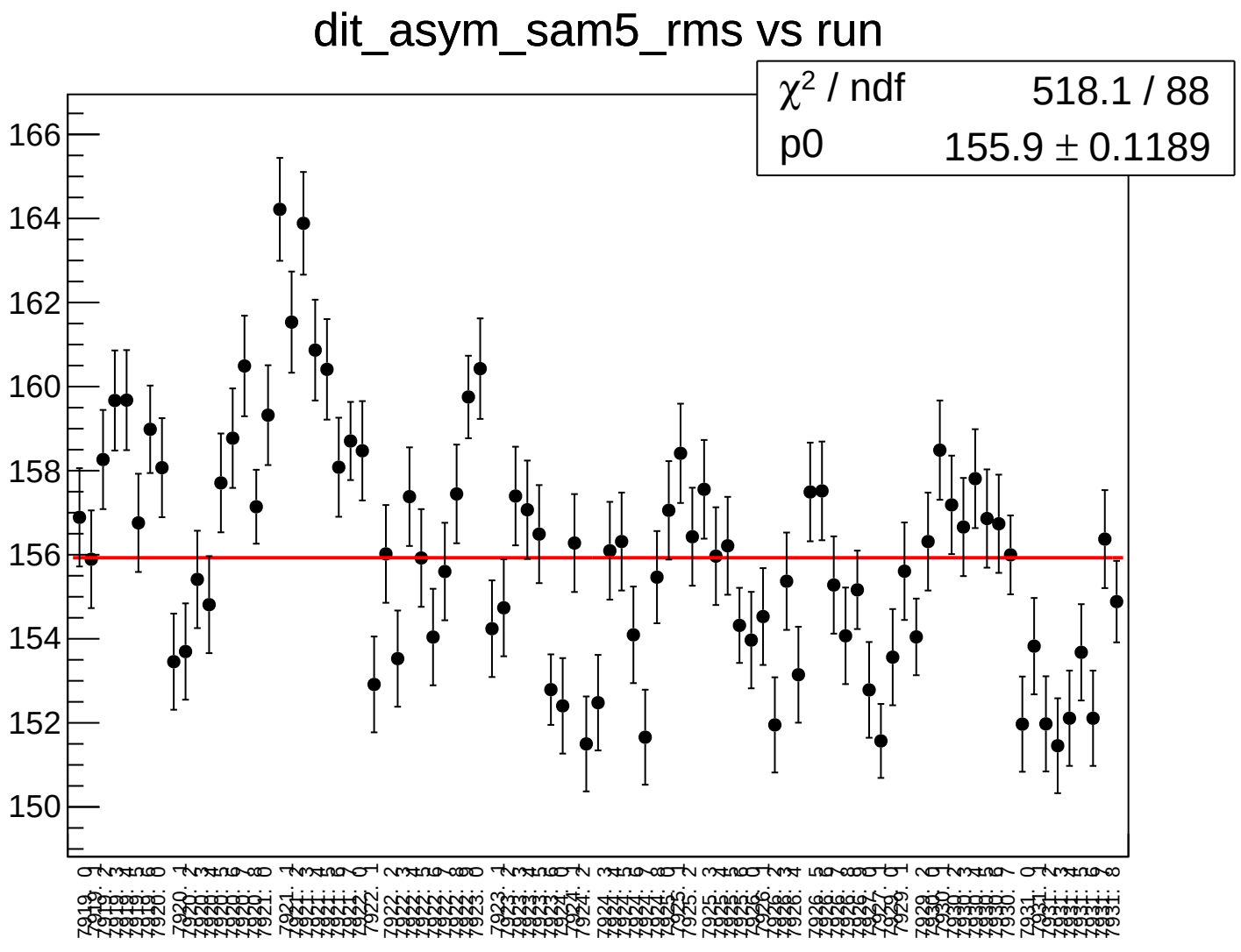

asym_sam4_mean vs run
×10^3
χ² / ndf 88.59 / 88
p0 1.049e+04 ± 5661
200
100
0
−100
−200
pull
Entries 89
Mean −349.1
Std Dev 395.3
2
1
0
−1
−2
−3

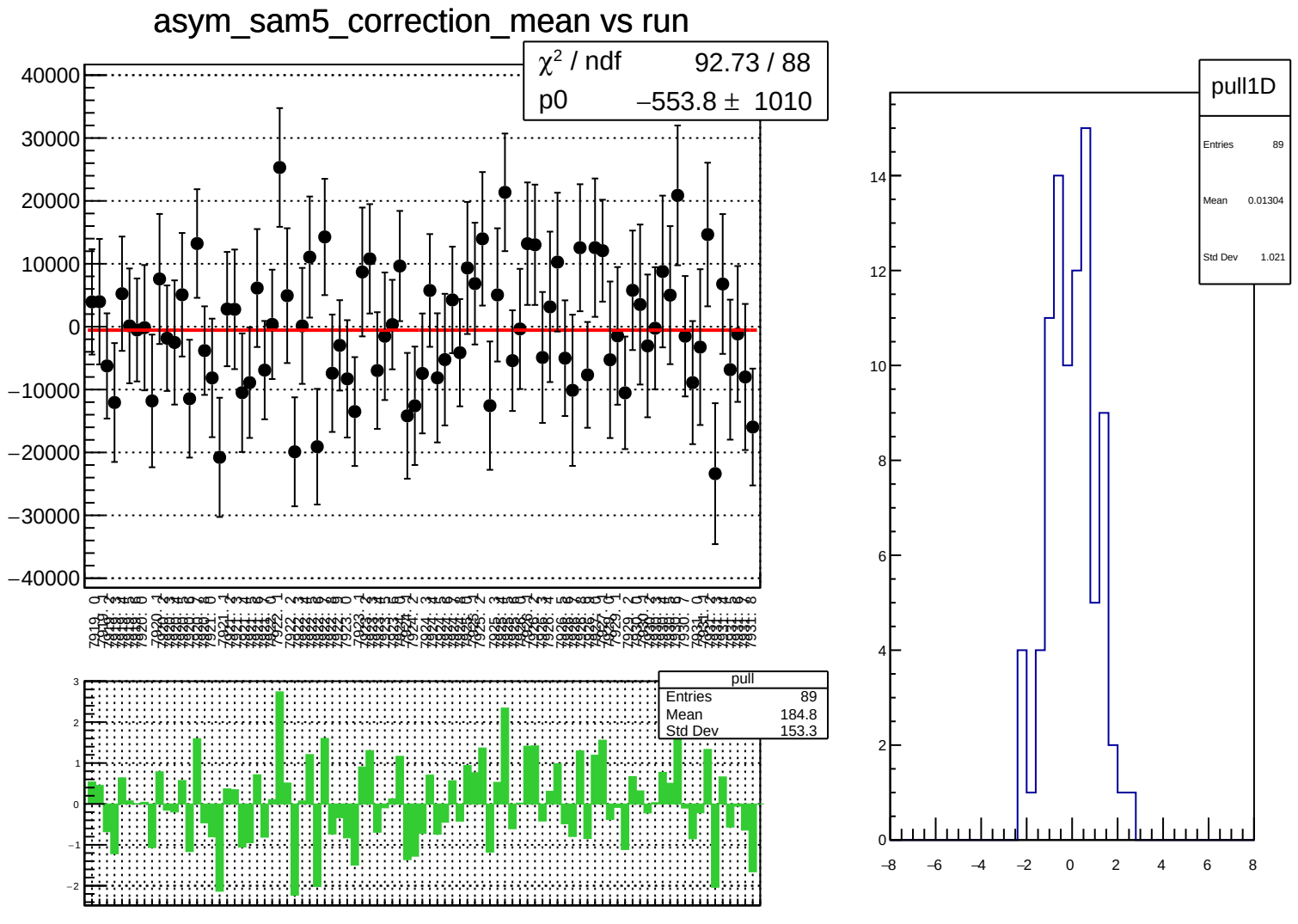

pull1D
Entries 89
Mean 0.00919
Std Dev 0.9976
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

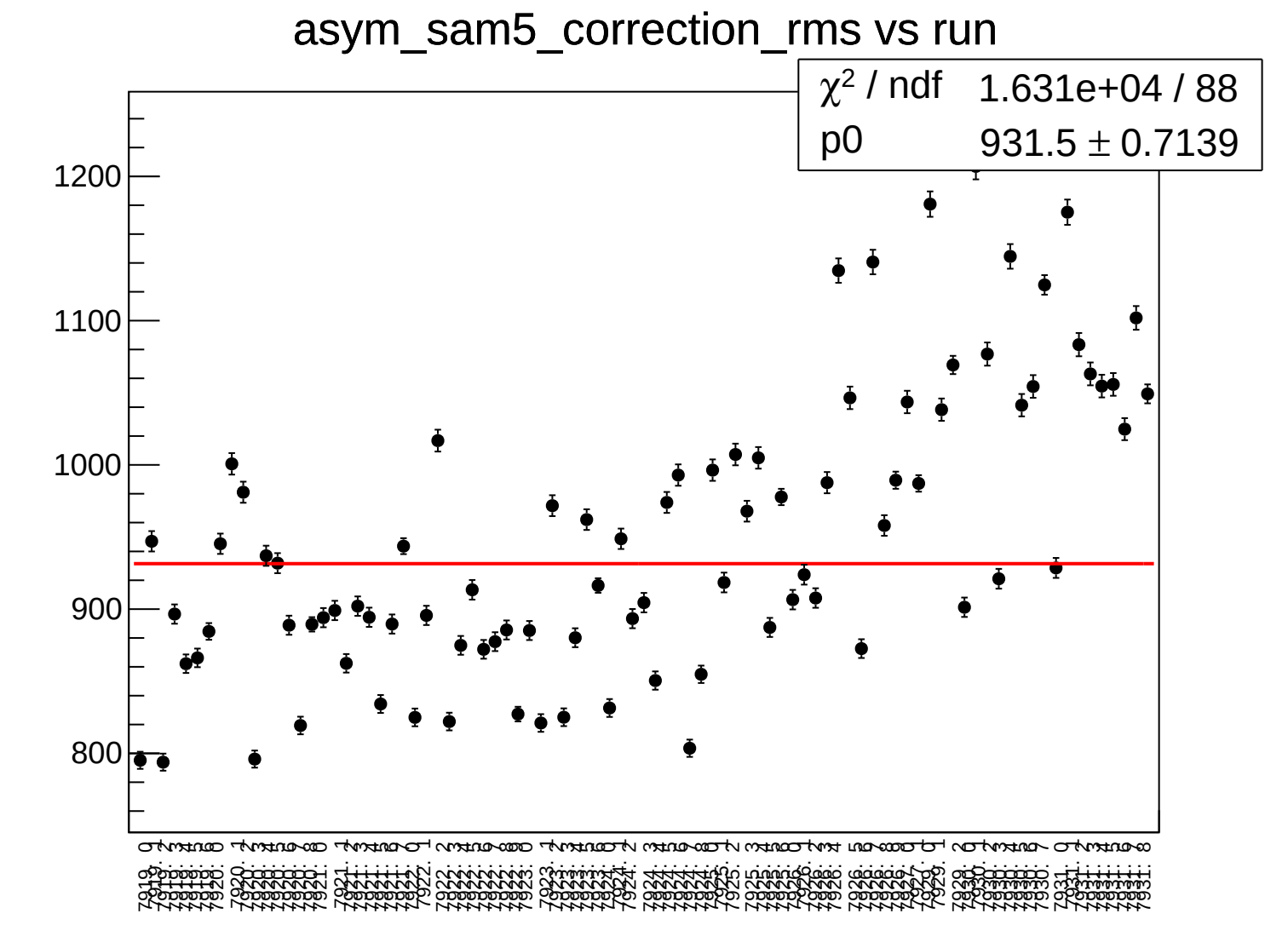

asym_sam4_rms vs run
χ² / ndf 2237 / 88
p0 5245 ± 4.003
6200
6000
5800
5600
5400
5200
5000
4800

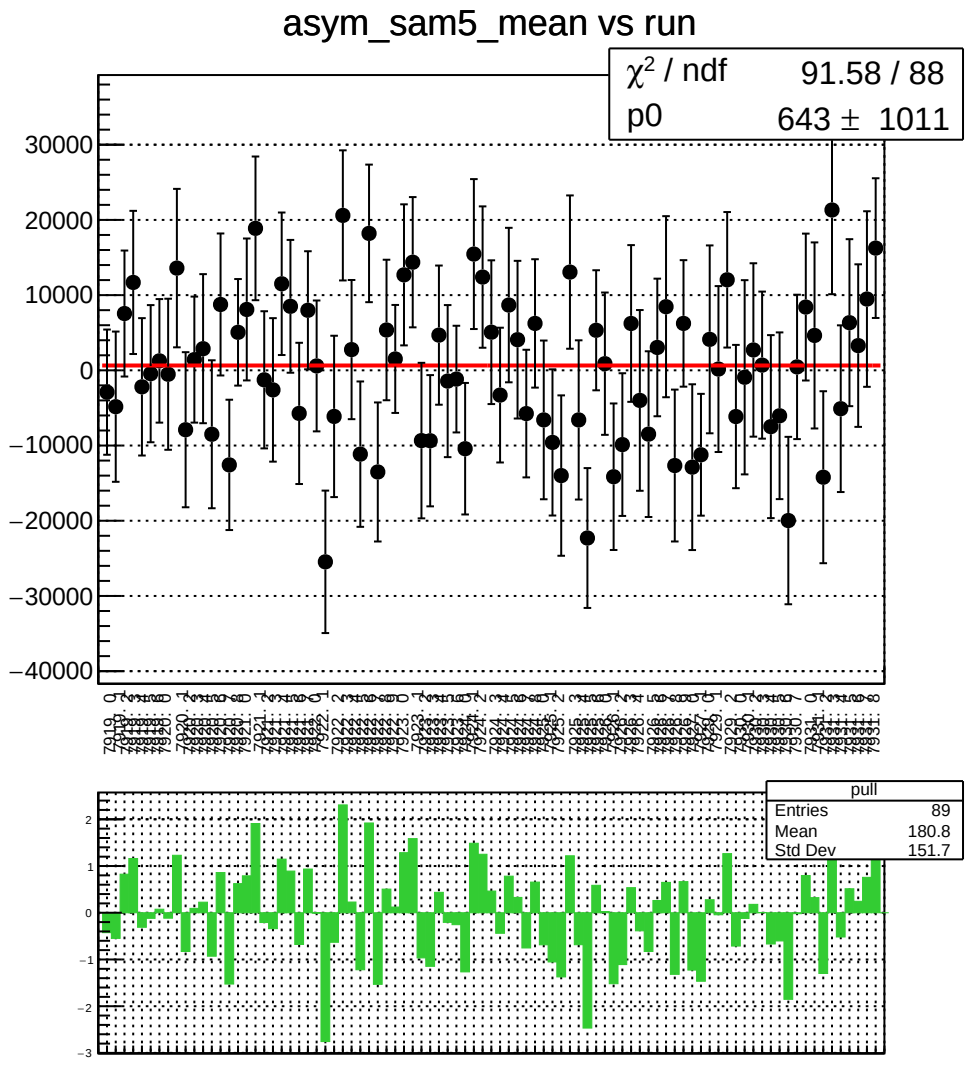

dit_asym_sam5_mean vs run
χ^2 / ndf 77.38 / 88
p0 80.56 ± 168.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −1047
Std Dev 1207
2
1
0
−1
−2

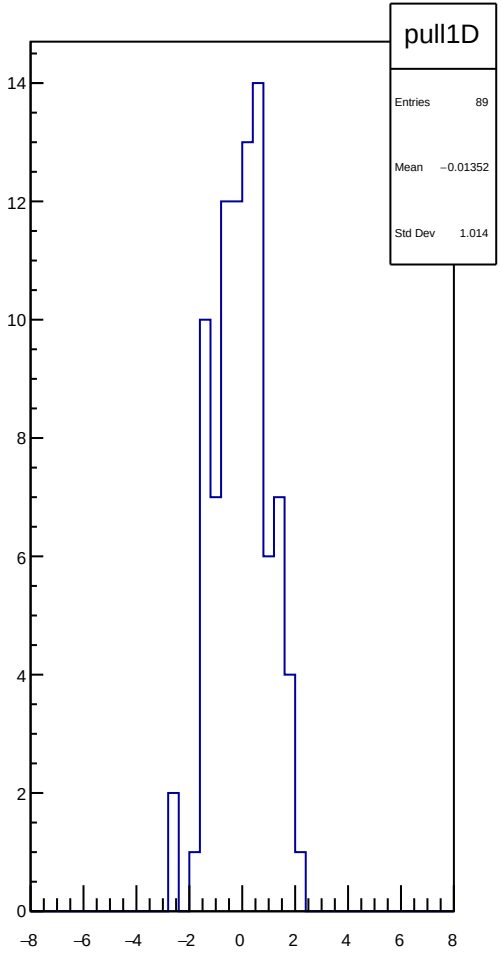

pull1D
Entries 89
Mean −0.000252
Std Dev 0.9324
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

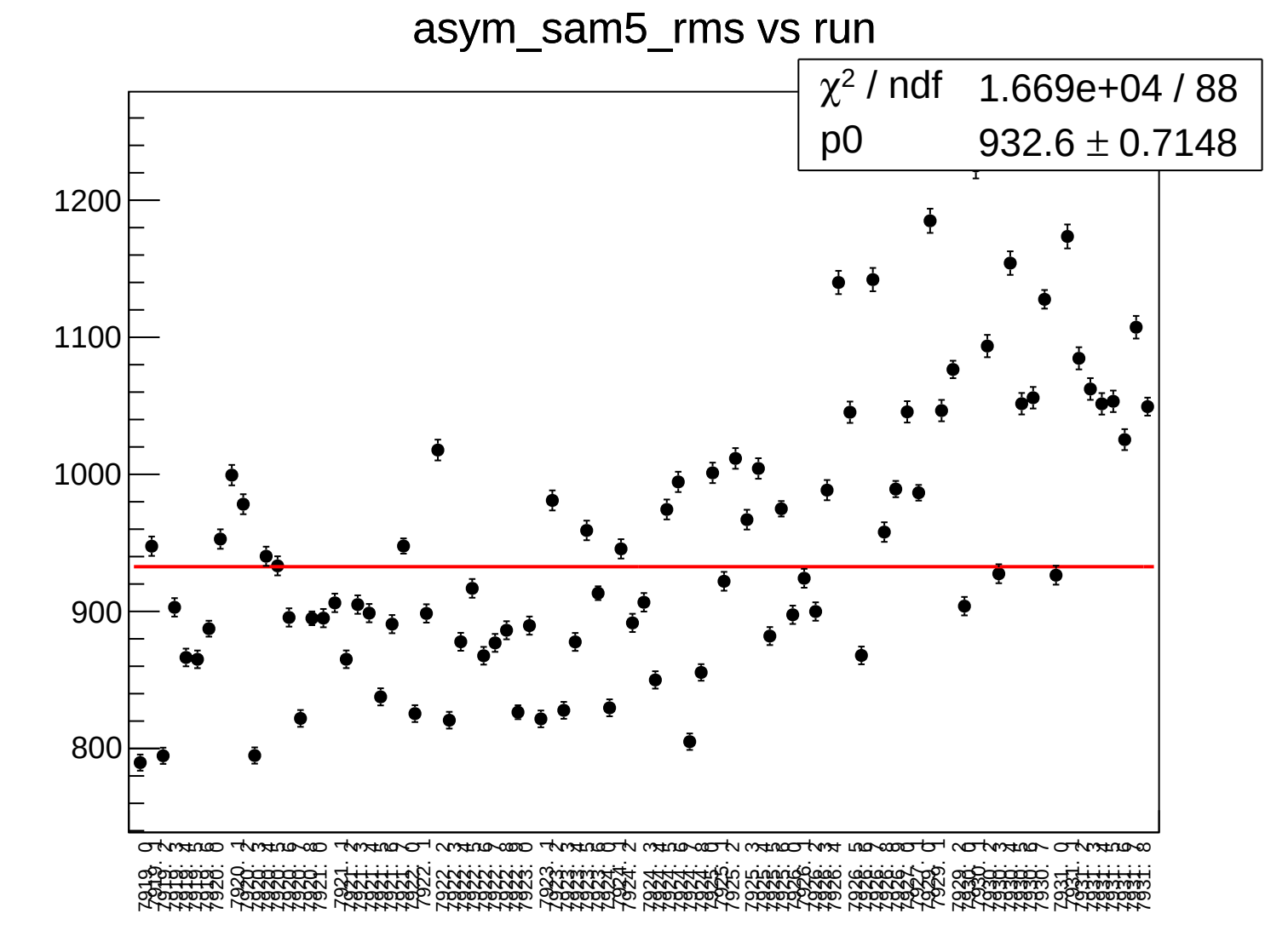

dit_asym_sam5_rms vs run
χ² / ndf 518.1 / 88
p0 155.9 ± 0.1189
166
164
162
160
158
156
154
152
150

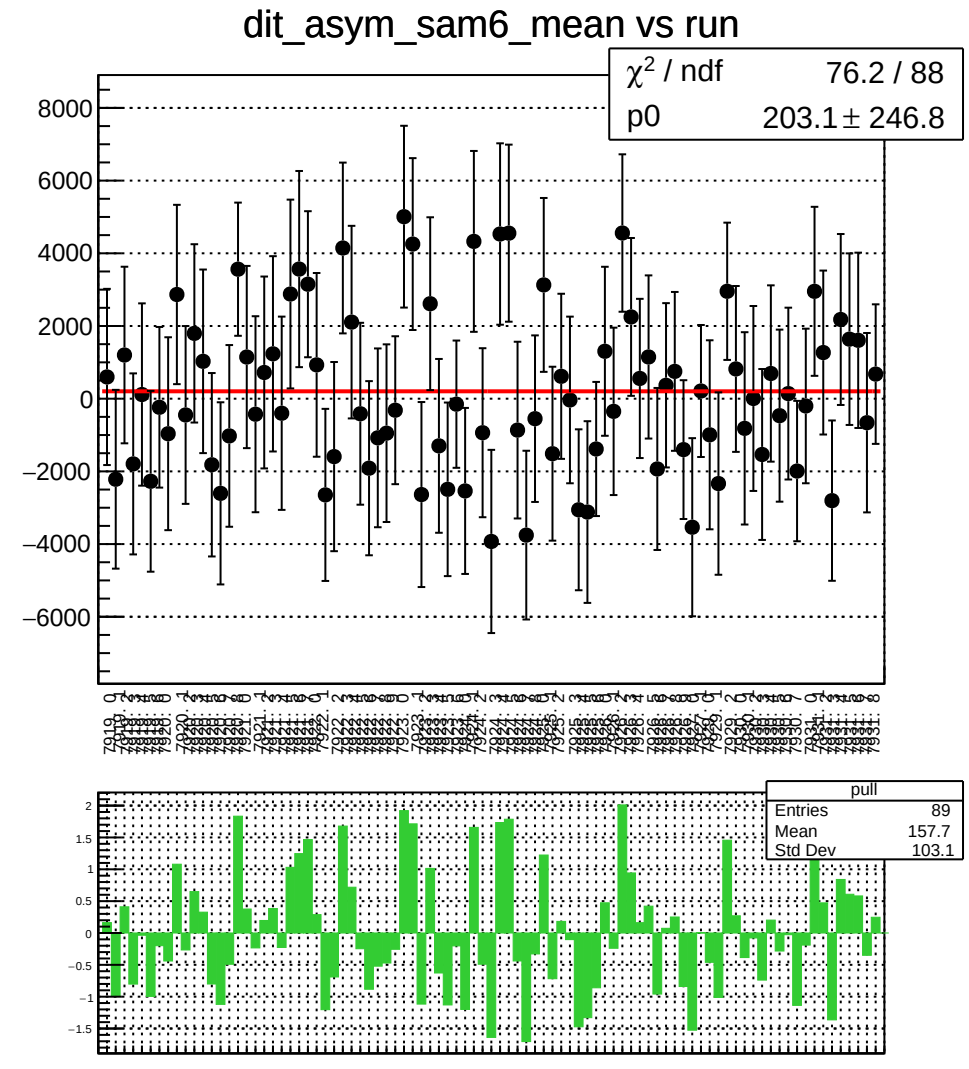

asym_sam5_correction_mean vs run
χ² / ndf 92.73 / 88
p0 −553.8 ± 1010
pull
Entries 89
Mean 184.8
Std Dev 153.3
pull1D
Entries 89
Mean 0.01304
Std Dev 1.021

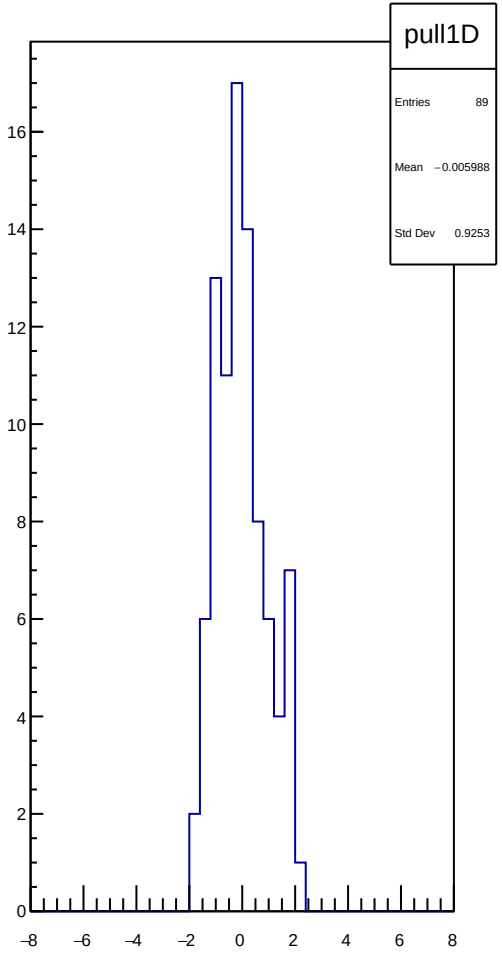

asym_sam5_correction_rms vs run
χ^2 / ndf 1.631e+04 / 88
p0 931.5 ± 0.7139
1200
1100
1000
900
800

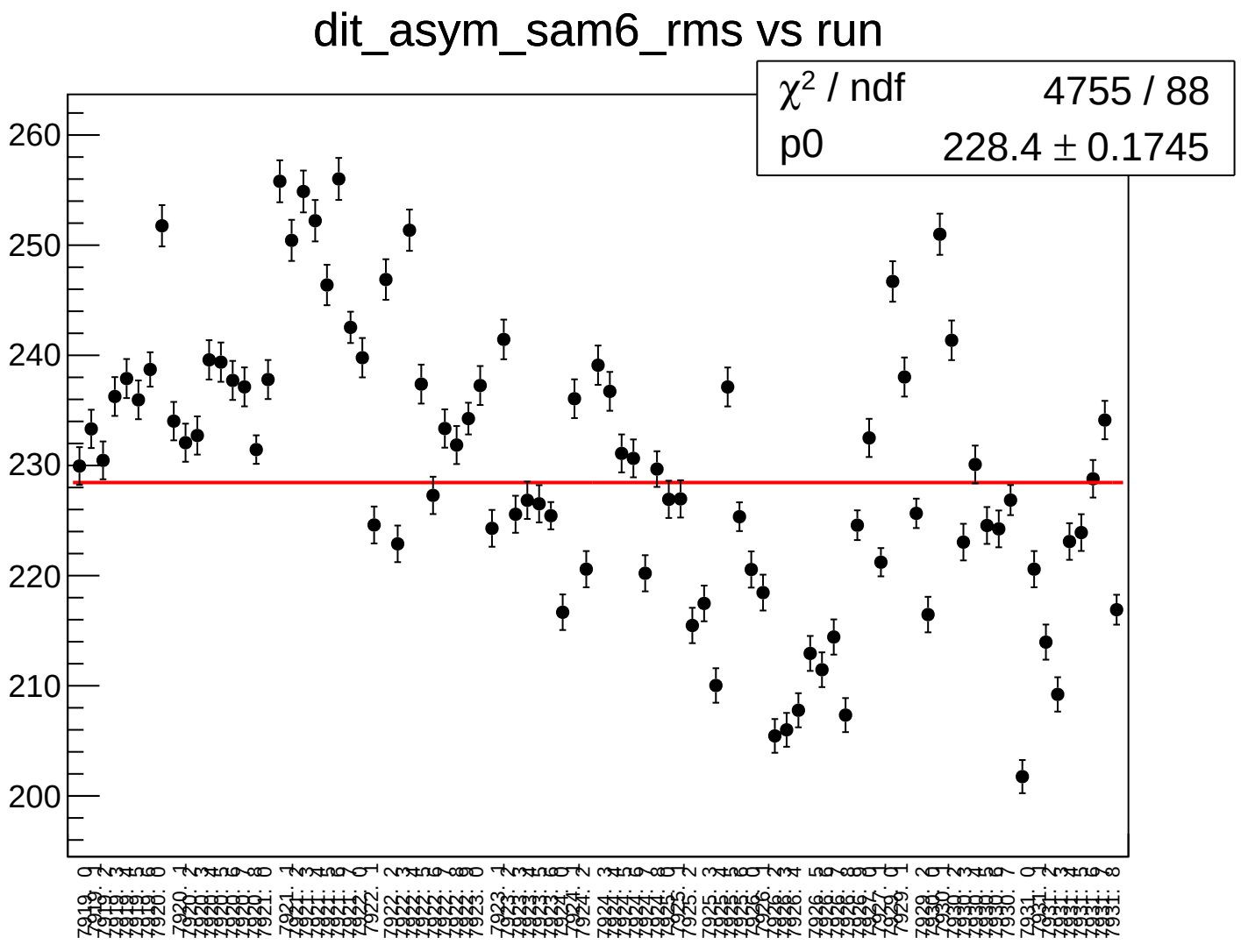

asym_sam5_mean vs run
χ² / ndf 91.58 / 88
p0 643 ± 1011
pull
Entries 89
Mean 180.8
Std Dev 151.7

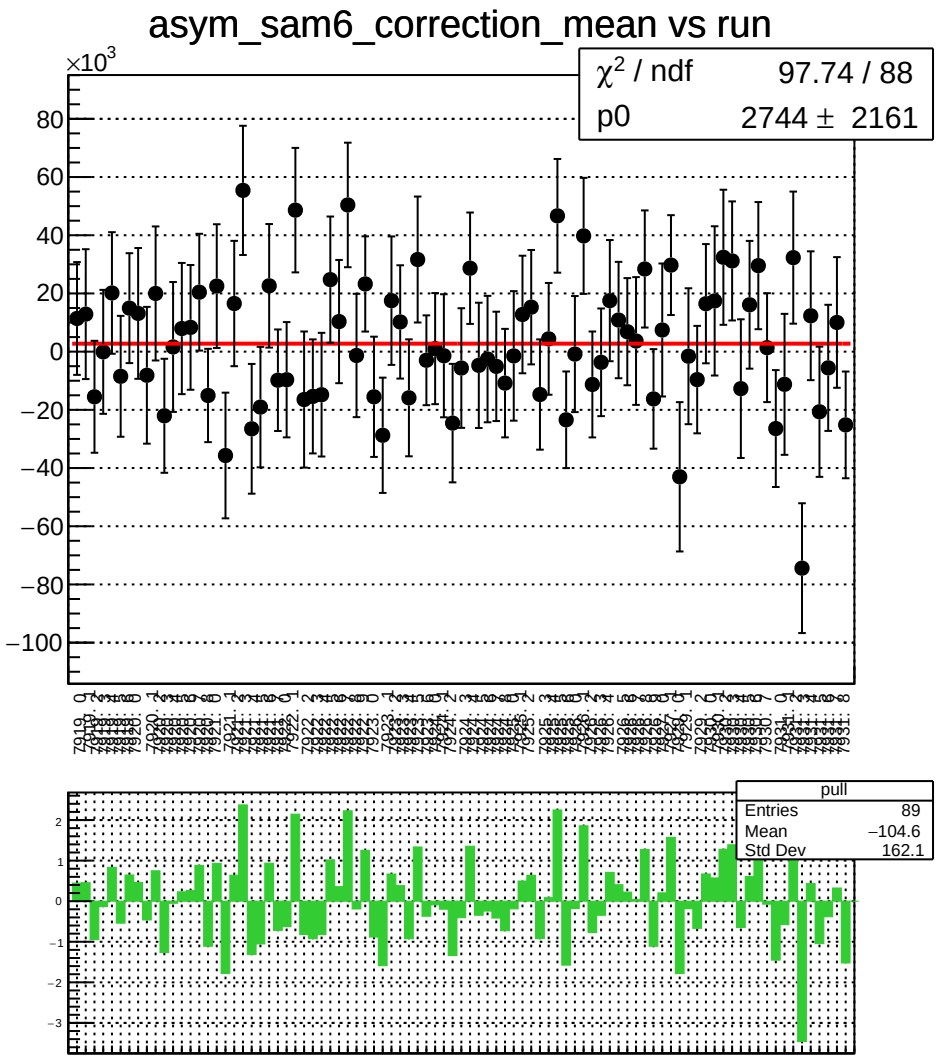

pull1D
Entries 89
Mean −0.01352
Std Dev 1.014

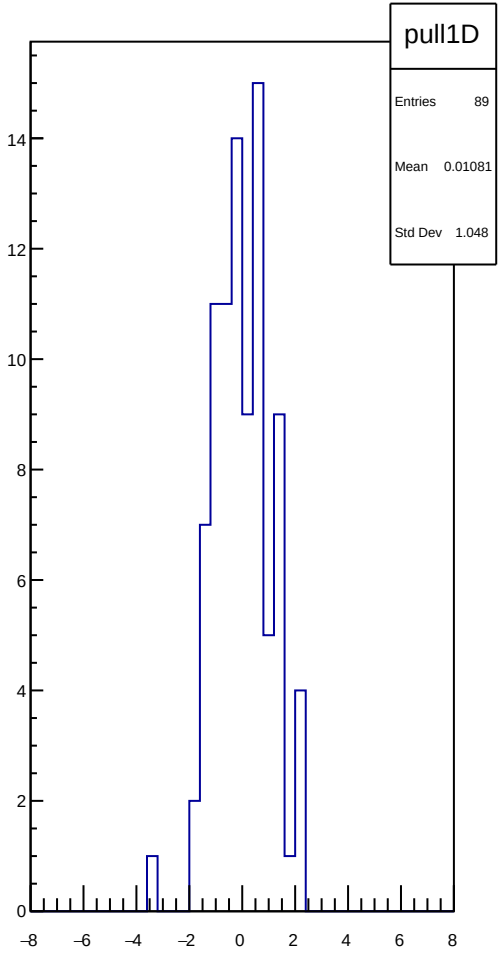

asym_sam5_rms vs run
χ^2 / ndf 1.669e+04 / 88
p0 932.6 ± 0.7148
1200
1100
1000
900
800

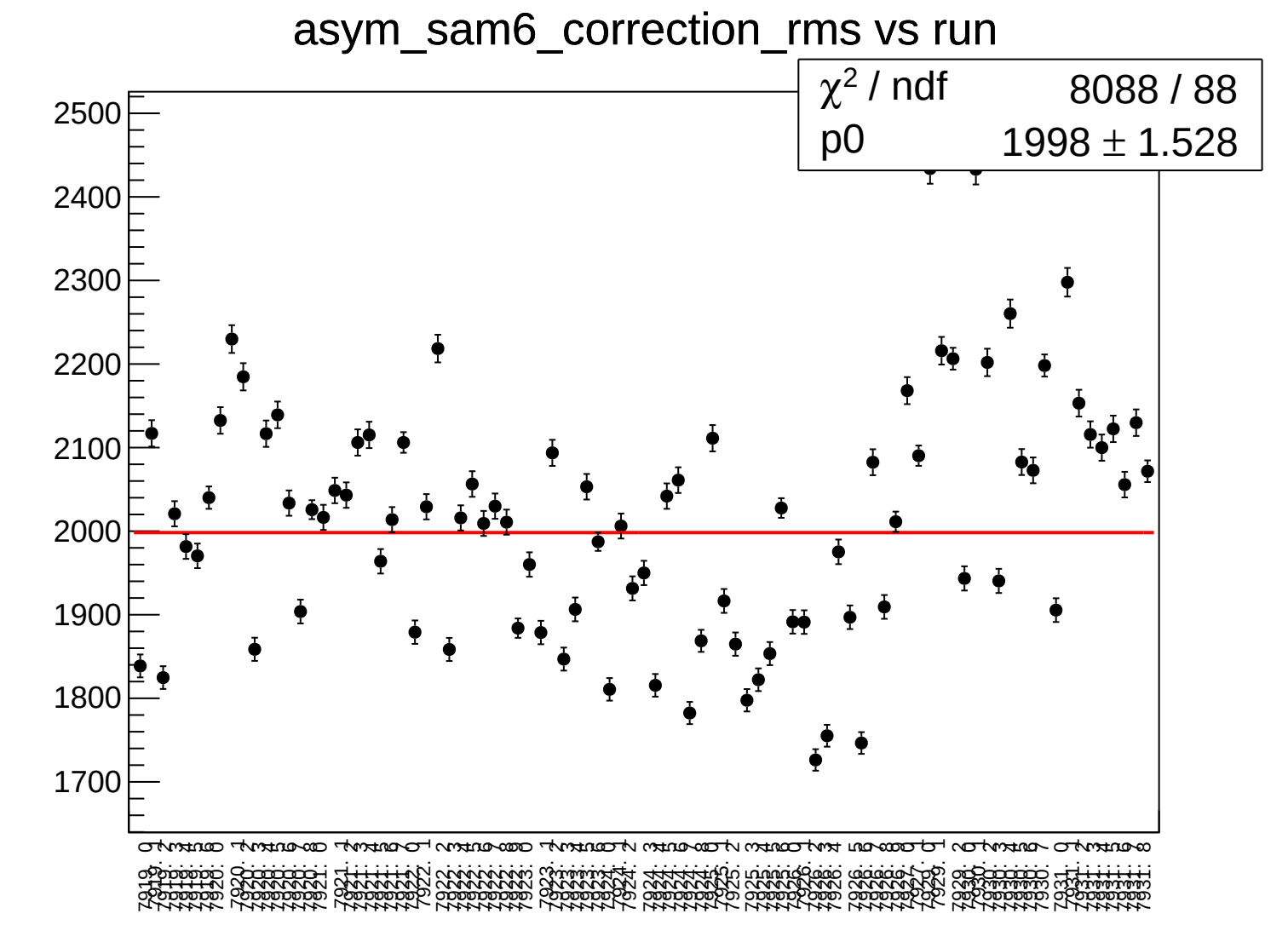

dit_asym_sam6_mean vs run
χ^2 / ndf 76.2 / 88
p0 203.1 ± 246.8
pull
Entries 89
Mean 157.7
Std Dev 103.1

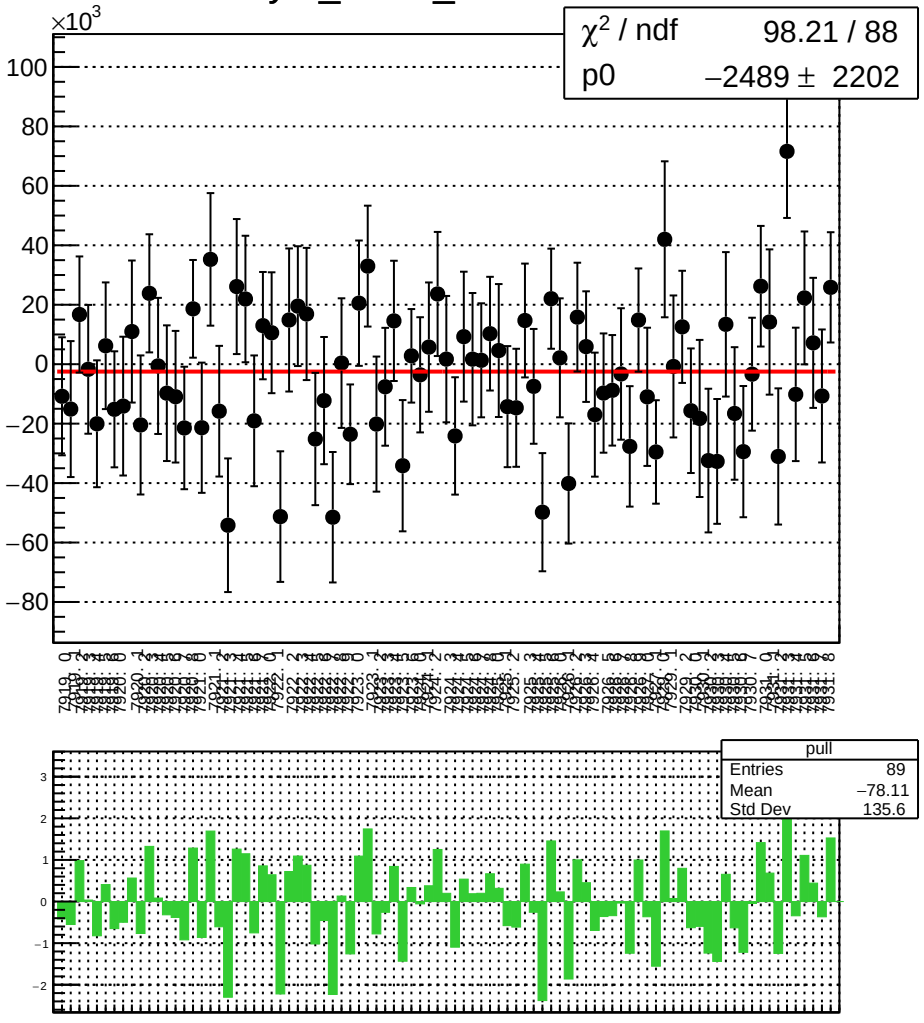

pull1D
Entries 89
Mean −0.005988
Std Dev 0.9253

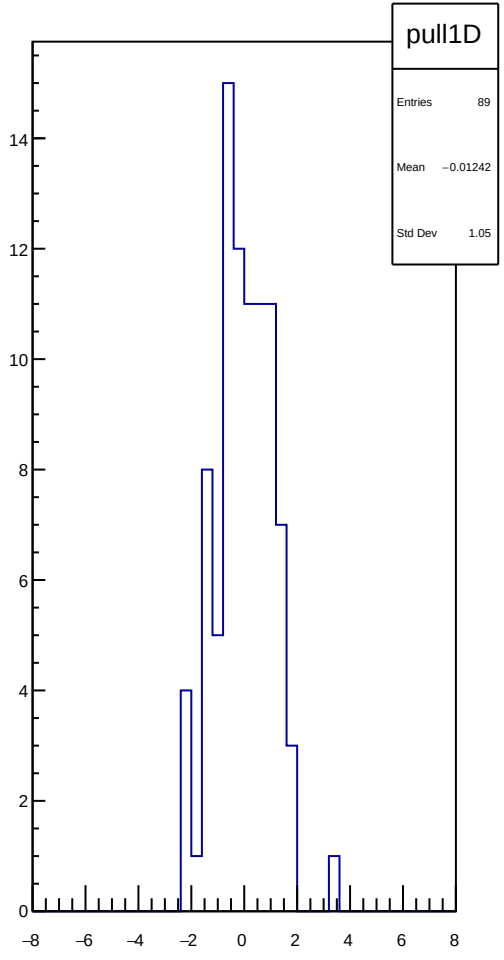

dit_asym_sam6_rms vs run
χ² / ndf 4755 / 88
p0 228.4 ± 0.1745
260
250
240
230
220
210
200

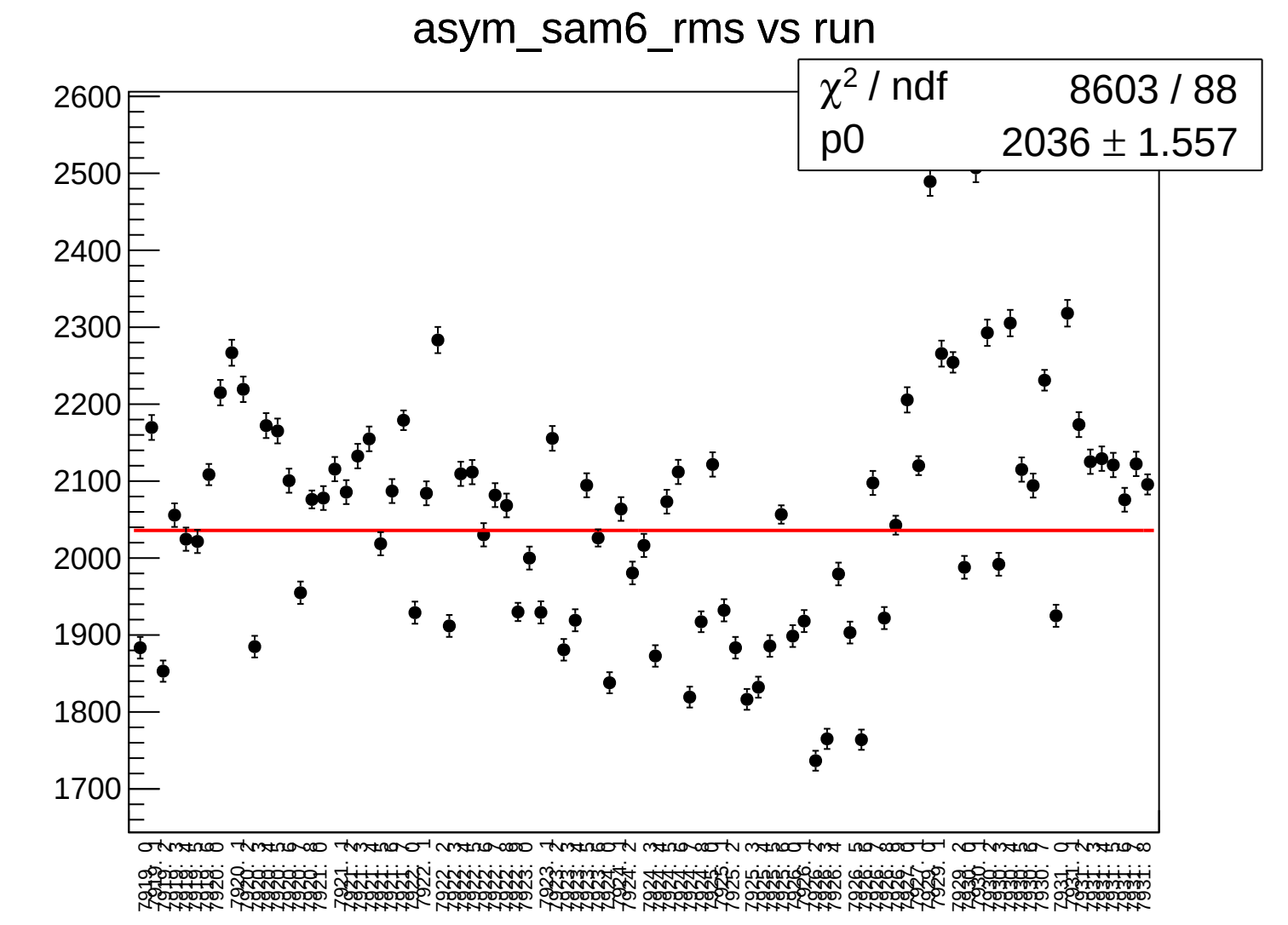

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 97.74 / 88
p0 2744 ± 2161
pull
Entries 89
Mean −104.6
Std Dev 162.1

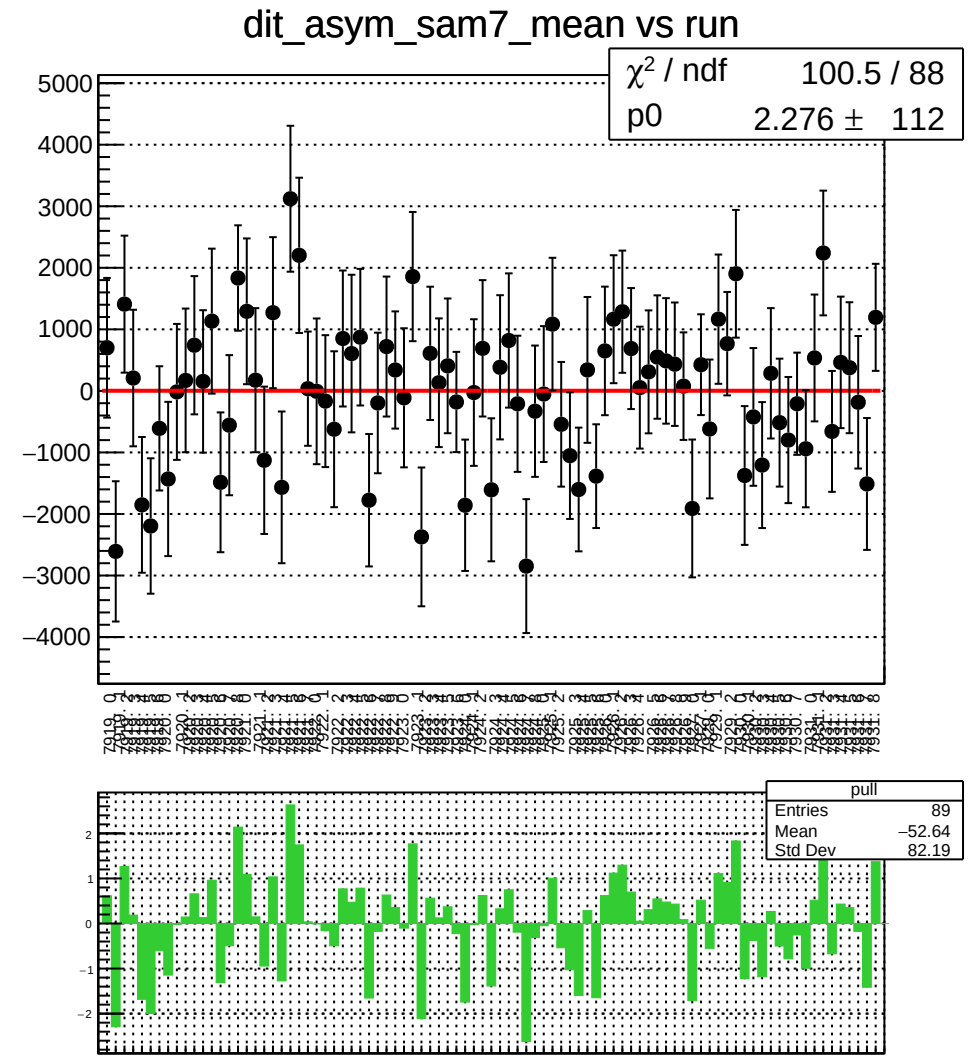

pull1D
Entries 89
Mean 0.01081
Std Dev 1.048

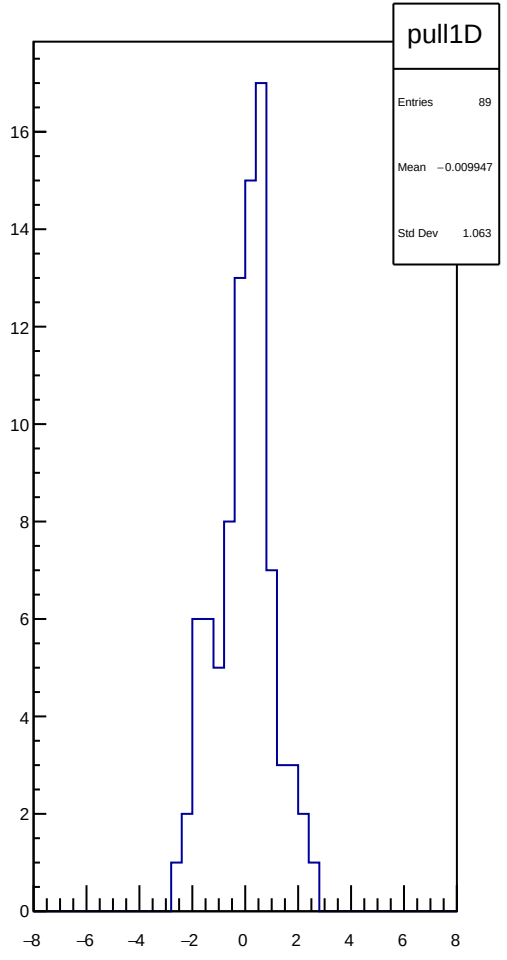

asym_sam6_correction_rms vs run
χ² / ndf 8088 / 88
p0 1998 ± 1.528
2500
2400
2300
2200
2100
2000
1900
1800
1700

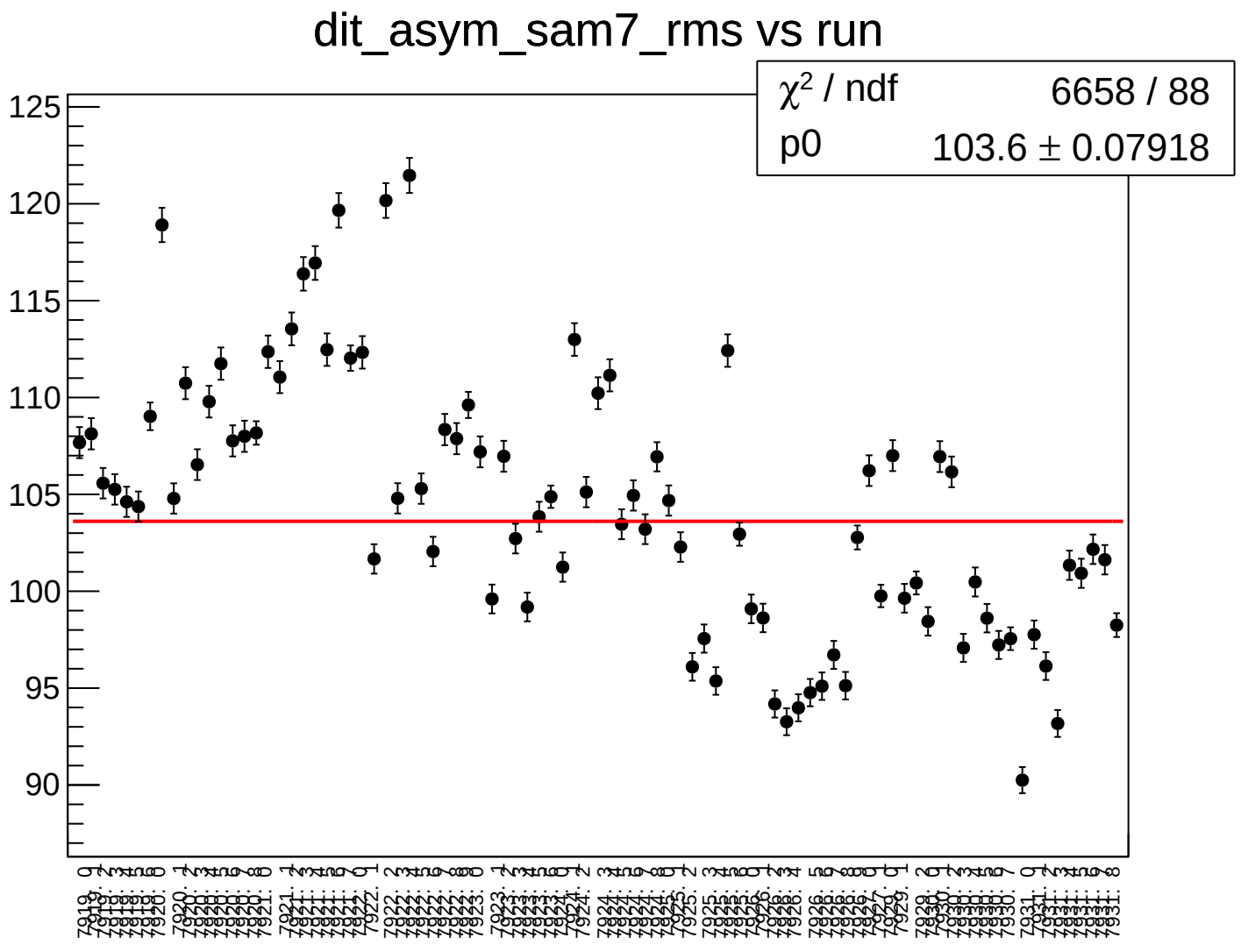

asym_sam6_mean vs run
×10^3
χ² / ndf 98.21 / 88
p0 −2489 ± 2202
100
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 89
Mean −78.11
Std Dev 135.6
3
2
1
0
−1
−2

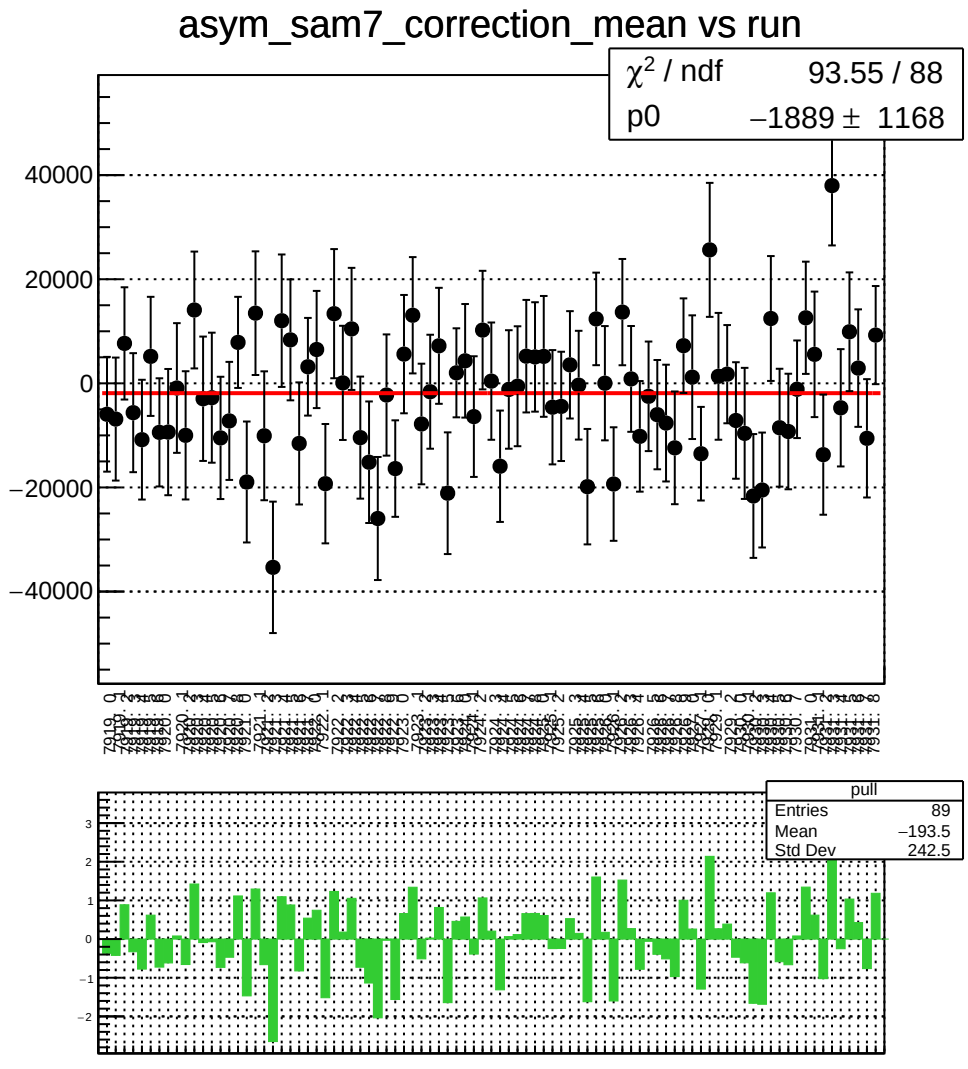

pull1D
Entries 89
Mean −0.01242
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

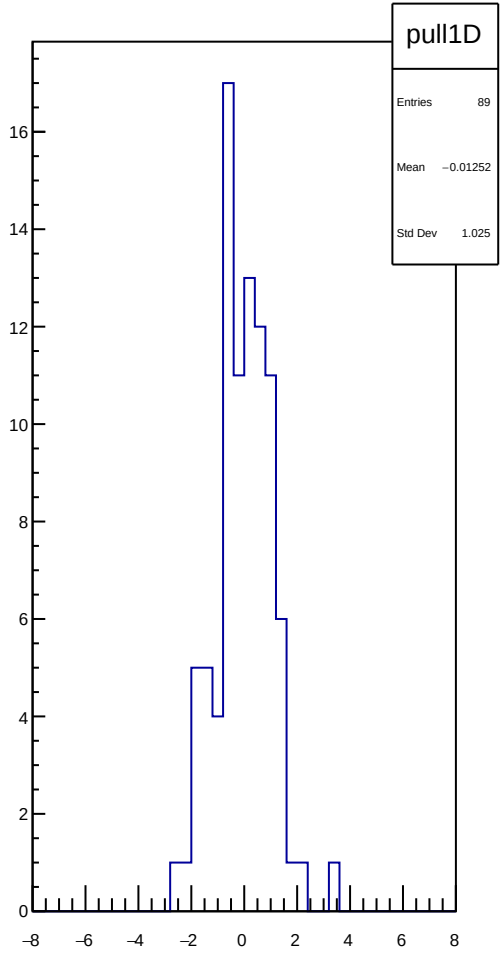

asym_sam6_rms vs run
χ² / ndf 8603 / 88
p0 2036 ± 1.557
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700

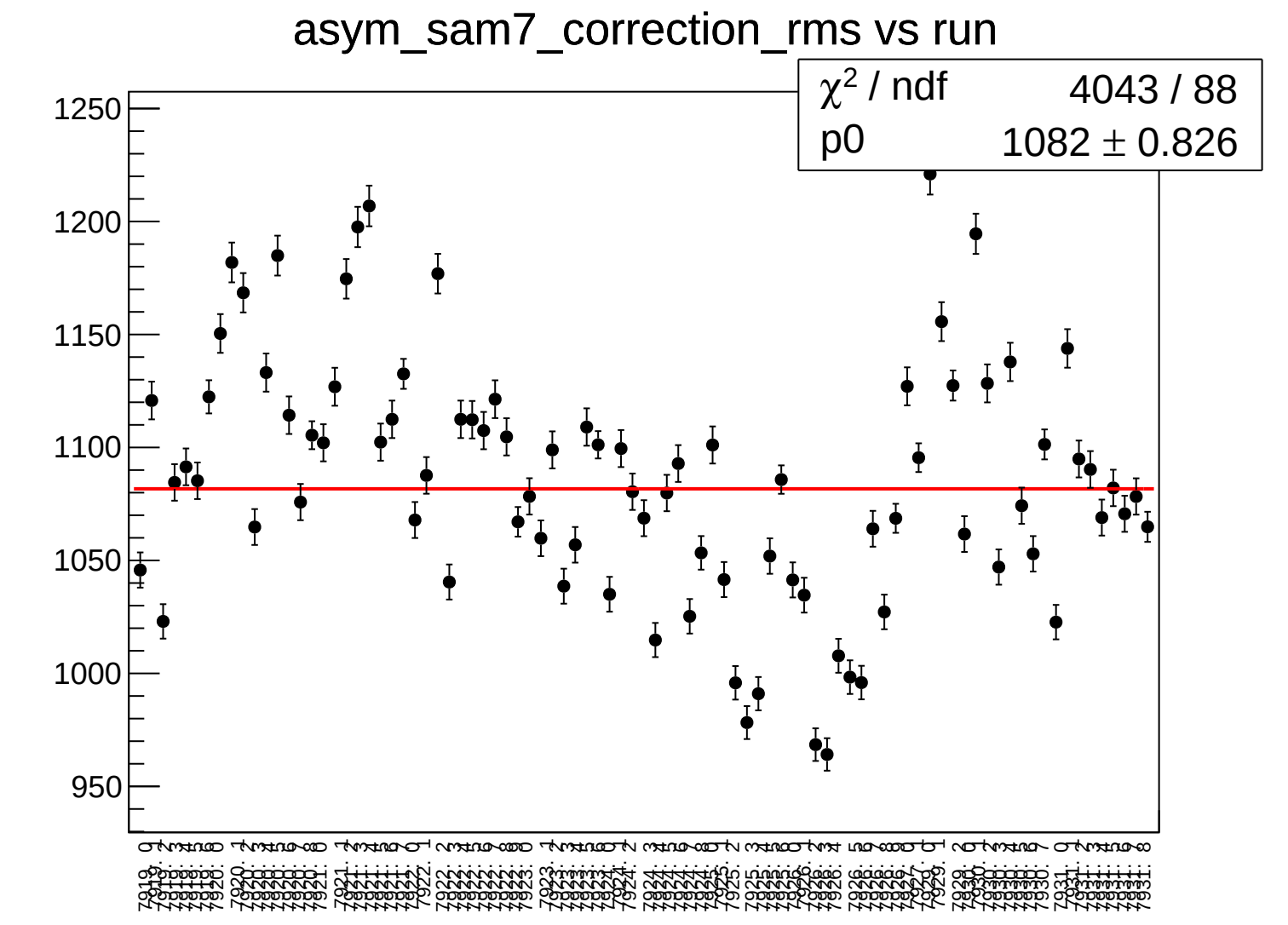

dit_asym_sam7_mean vs run
χ² / ndf 100.5 / 88
p0 2.276 ± 112
pull
Entries 89
Mean −52.64
Std Dev 82.19

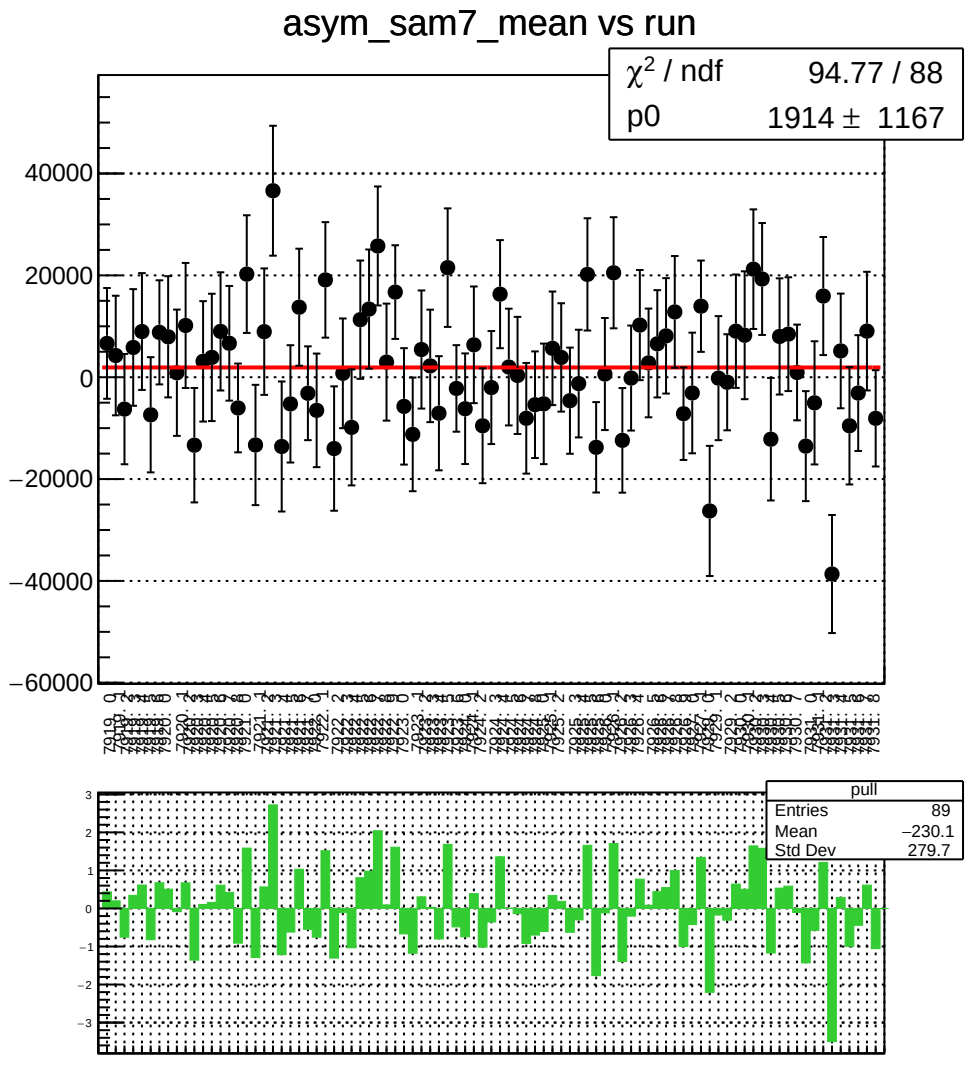

pull1D
Entries 89
Mean −0.009947
Std Dev 1.063

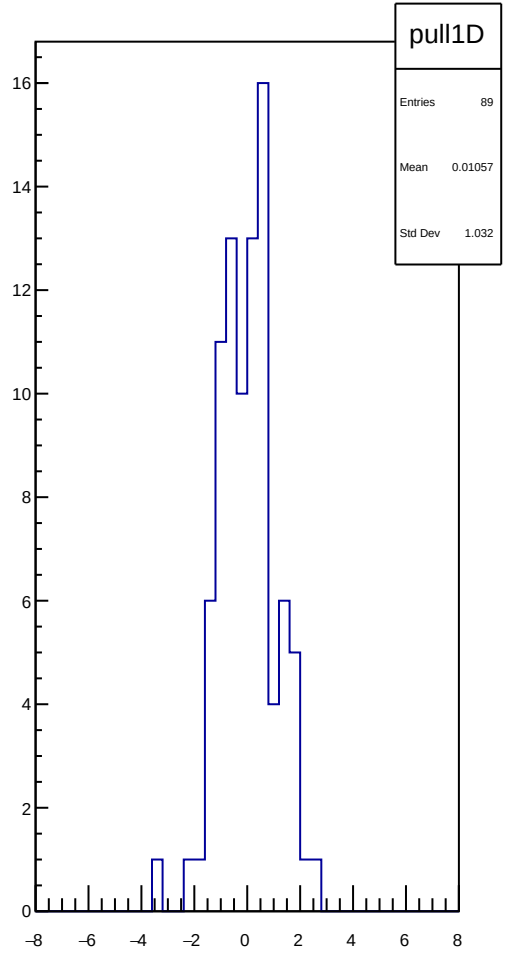

dit_asym_sam7_rms vs run
χ² / ndf 6658 / 88
p0 103.6 ± 0.07918
125
120
115
110
105
100
95
90

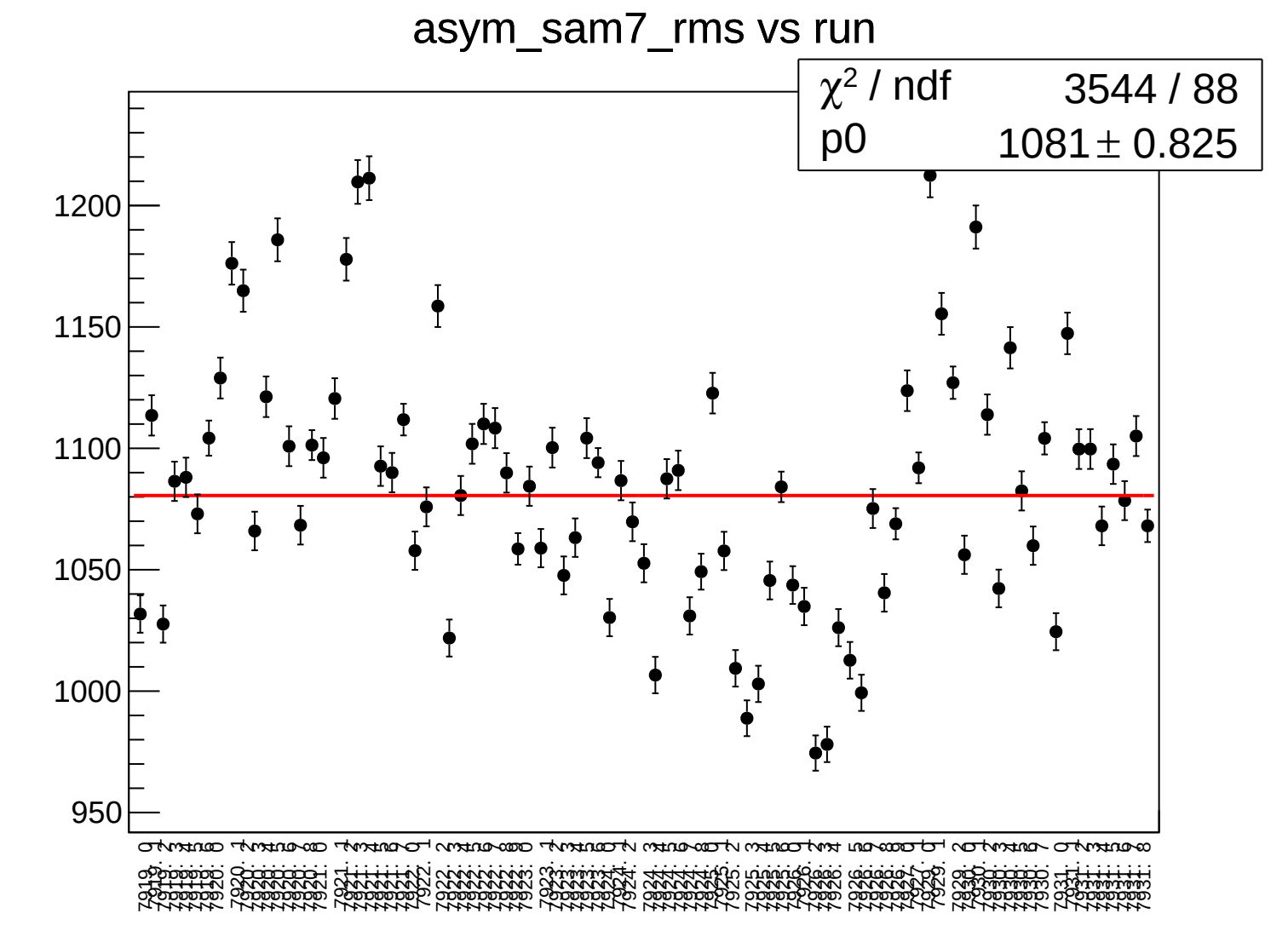

asym_sam7_correction_mean vs run
χ² / ndf 93.55 / 88
p0 −1889 ± 1168
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −193.5
Std Dev 242.5
3
2
1
0
−1
−2

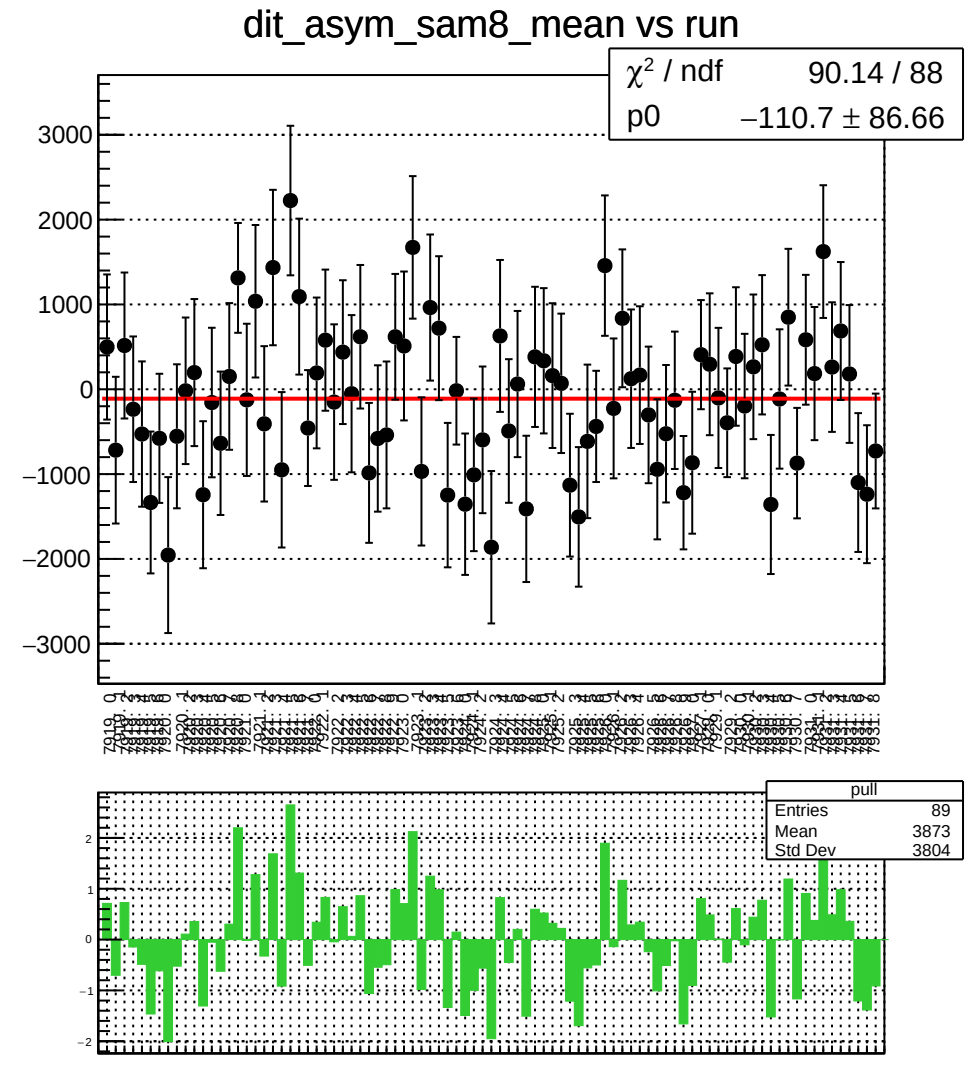

pull1D
Entries 89
Mean −0.01252
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

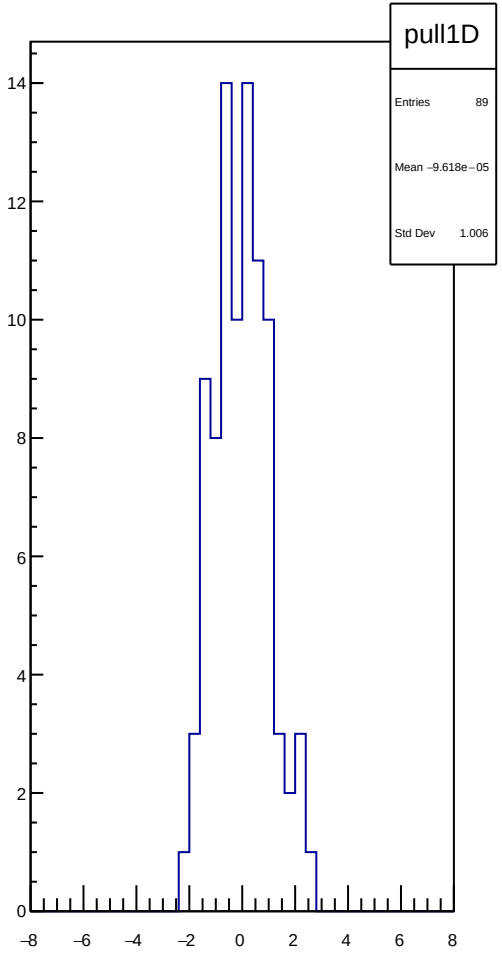

asym_sam7_correction_rms vs run
χ² / ndf 4043 / 88
p0 1082 ± 0.826
1250
1200
1150
1100
1050
1000
950

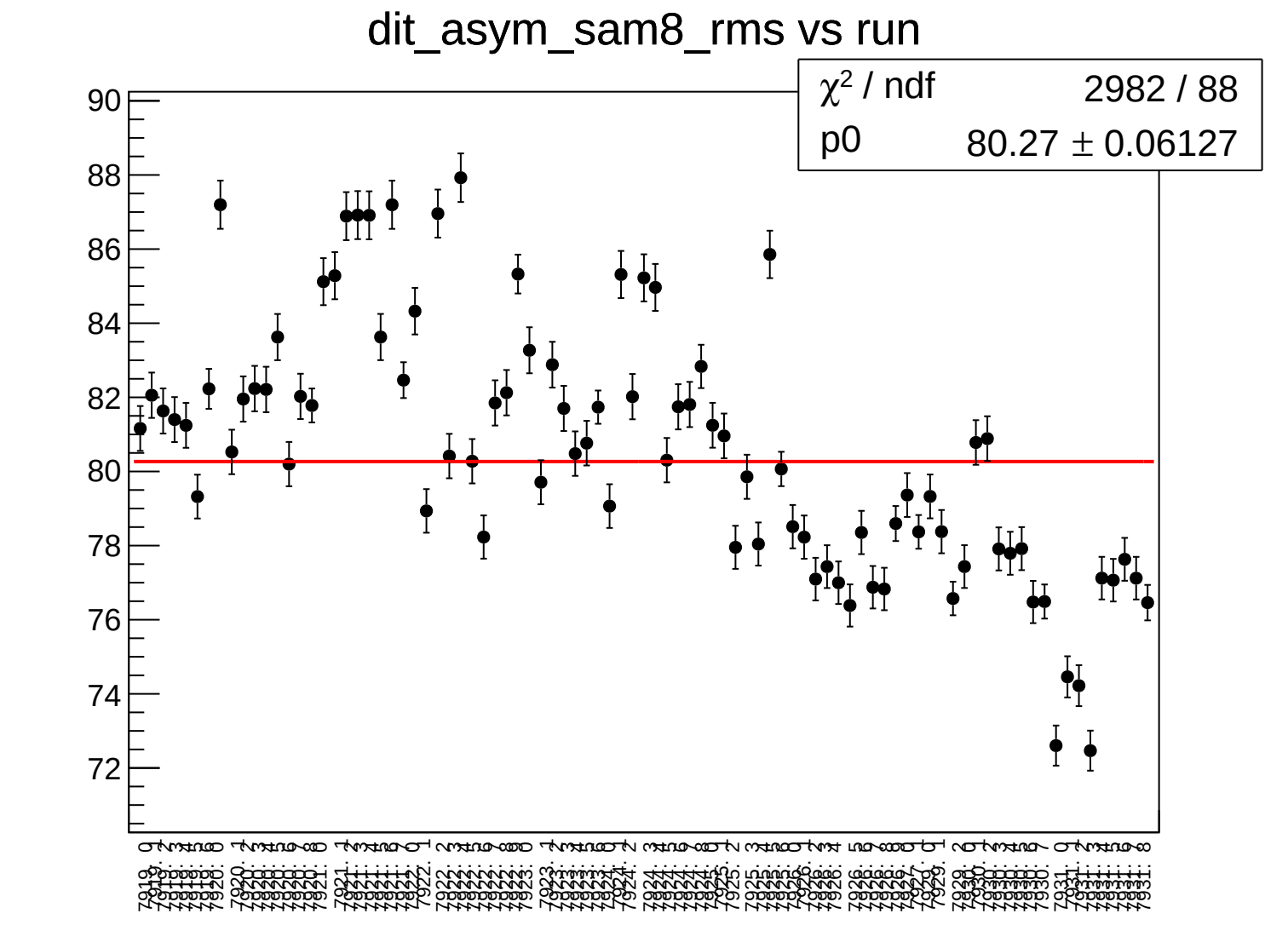

asym_sam7_mean vs run
χ² / ndf 94.77 / 88
p0 1914 ± 1167
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −230.1
Std Dev 279.7
3
2
1
0
−1
−2
−3

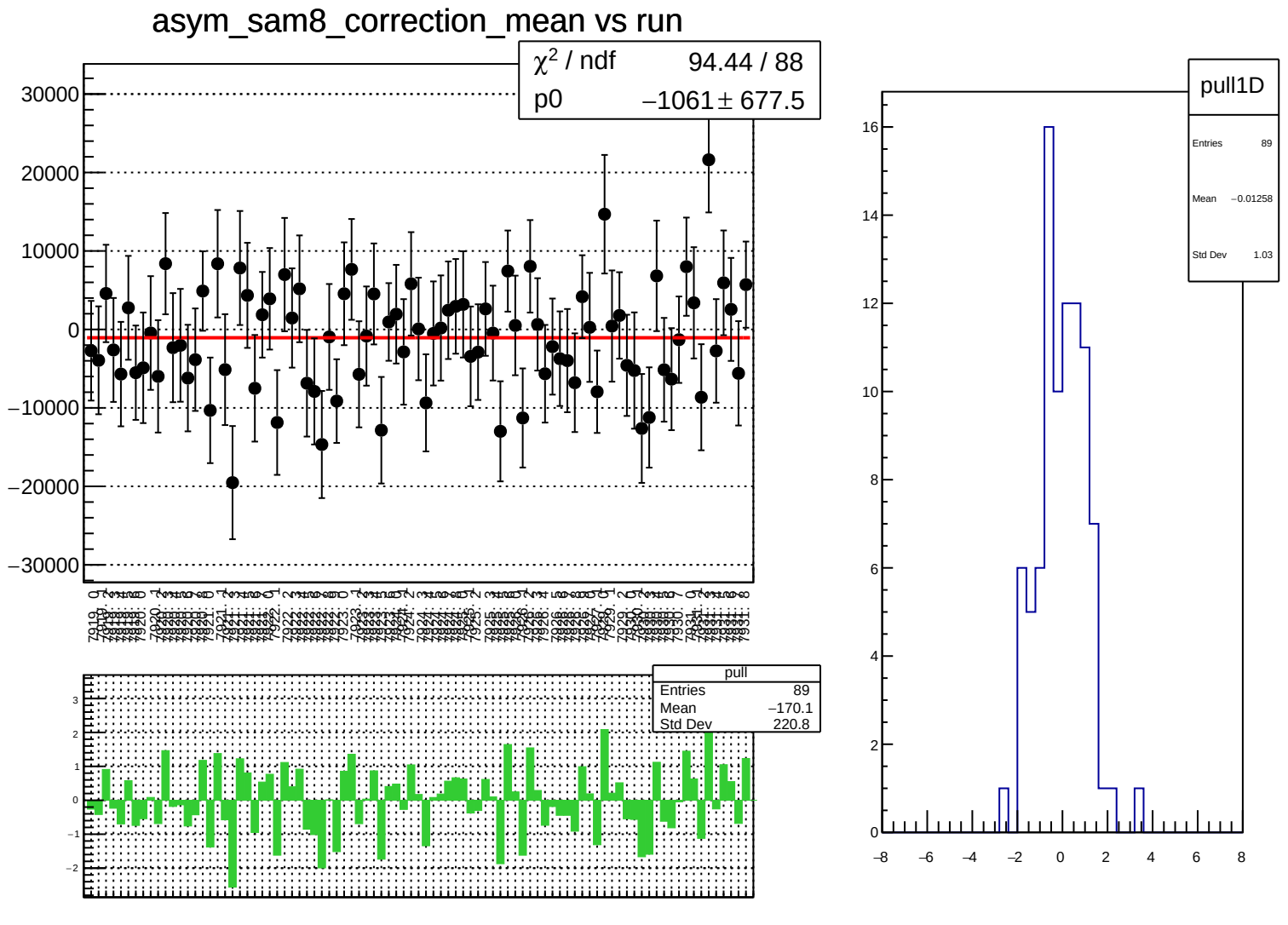

pull1D
Entries 89
Mean 0.01057
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

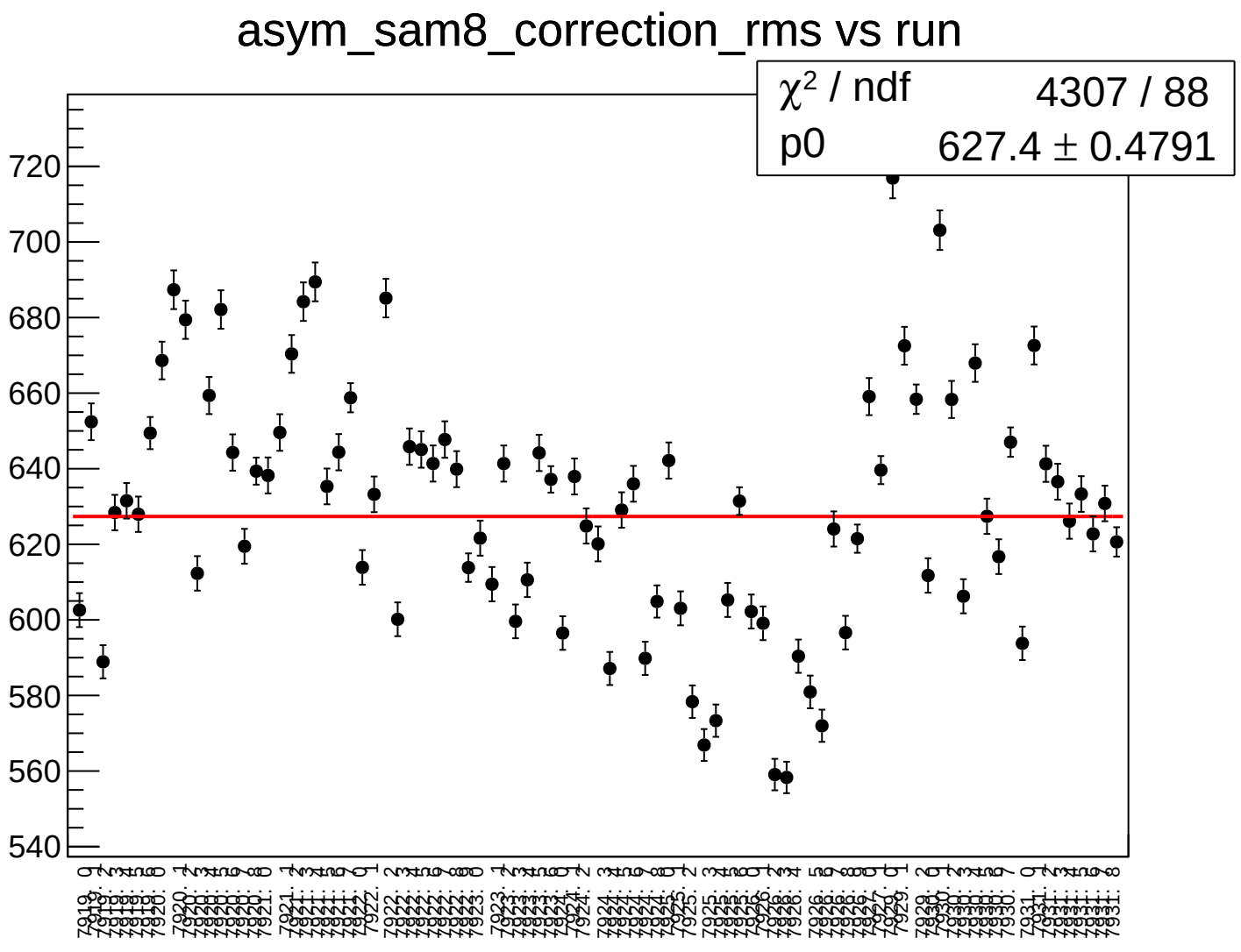

asym_sam7_rms vs run
χ² / ndf 3544 / 88
p0 1081 ± 0.825
1200
1150
1100
1050
1000
950

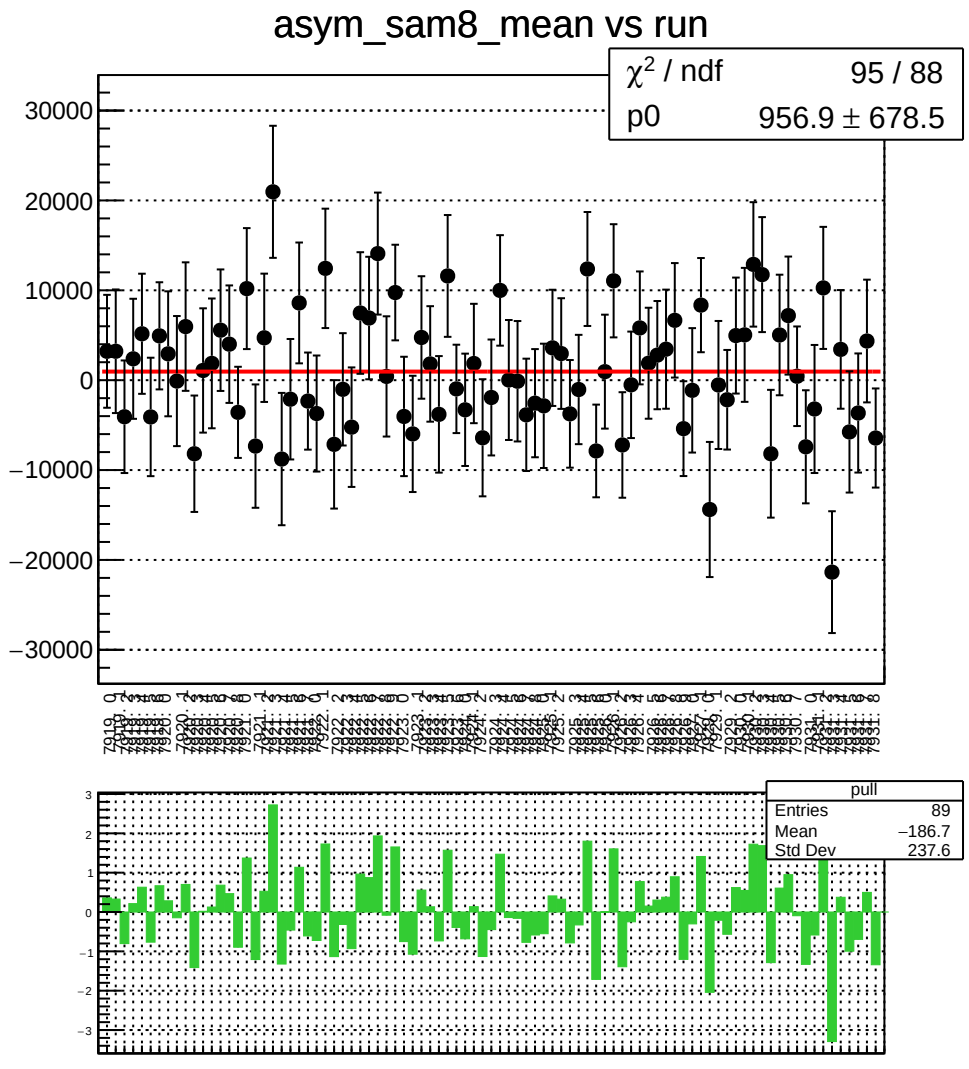

dit_asym_sam8_mean vs run
χ² / ndf 90.14 / 88
p0 −110.7 ± 86.66
pull
Entries 89
Mean 3873
Std Dev 3804

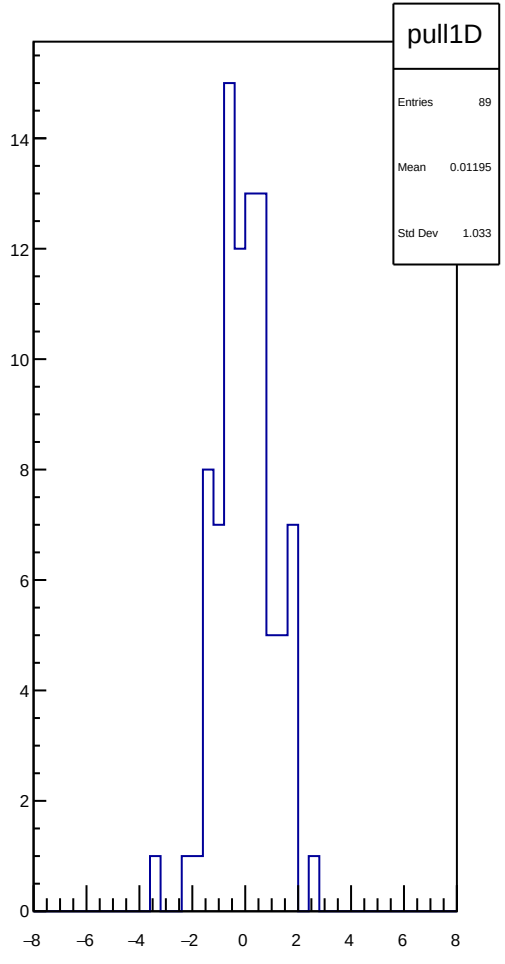

pull1D
Entries 89
Mean −9.618e−05
Std Dev 1.006

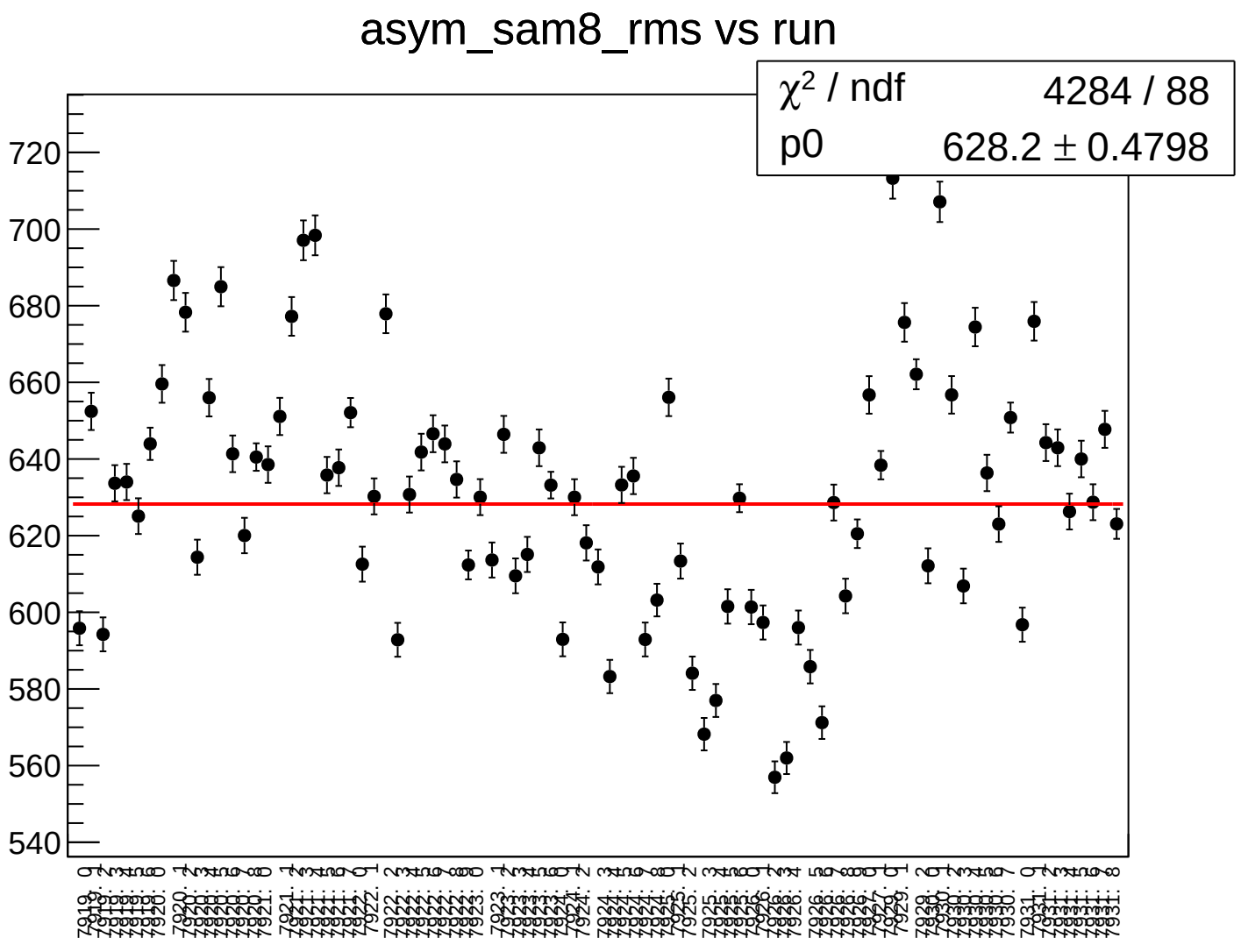

dit_asym_sam8_rms vs run
χ^2 / ndf 2982 / 88
p0 80.27 ± 0.06127
90
88
86
84
82
80
78
76
74
72

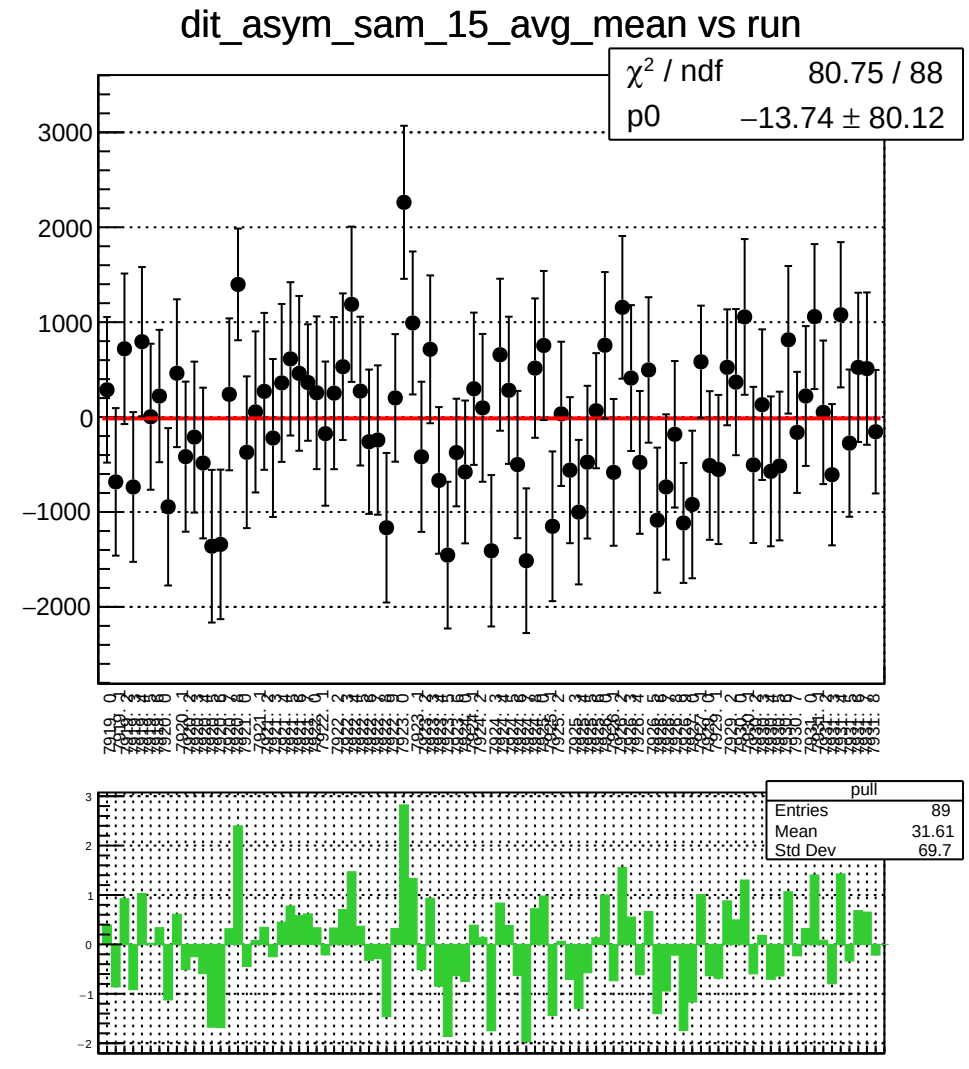

asym_sam8_correction_mean vs run
χ² / ndf 94.44 / 88
p0 −1061 ± 677.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −170.1
Std Dev 220.8
pull1D
Entries 89
Mean −0.01258
Std Dev 1.03

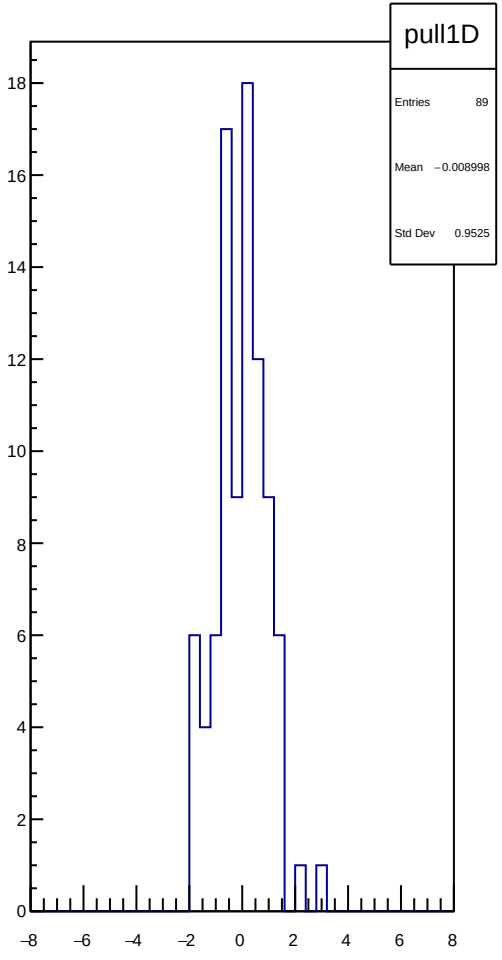

asym_sam8_correction_rms vs run
χ² / ndf 4307 / 88
p0 627.4 ± 0.4791
720
700
680
660
640
620
600
580
560
540

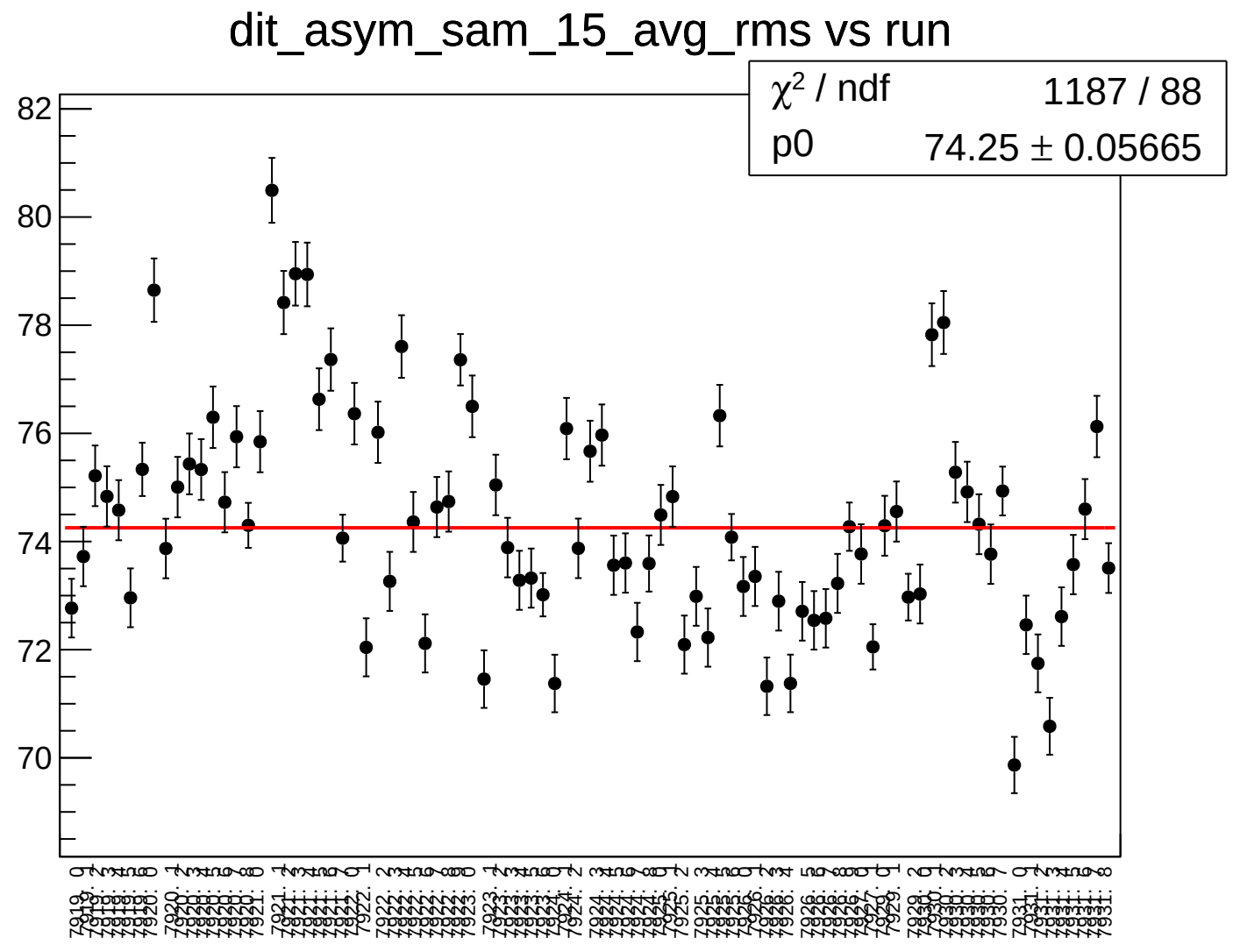

asym_sam8_mean vs run
χ² / ndf 95 / 88
p0 956.9 ± 678.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −186.7
Std Dev 237.6
3
2
1
0
−1
−2
−3

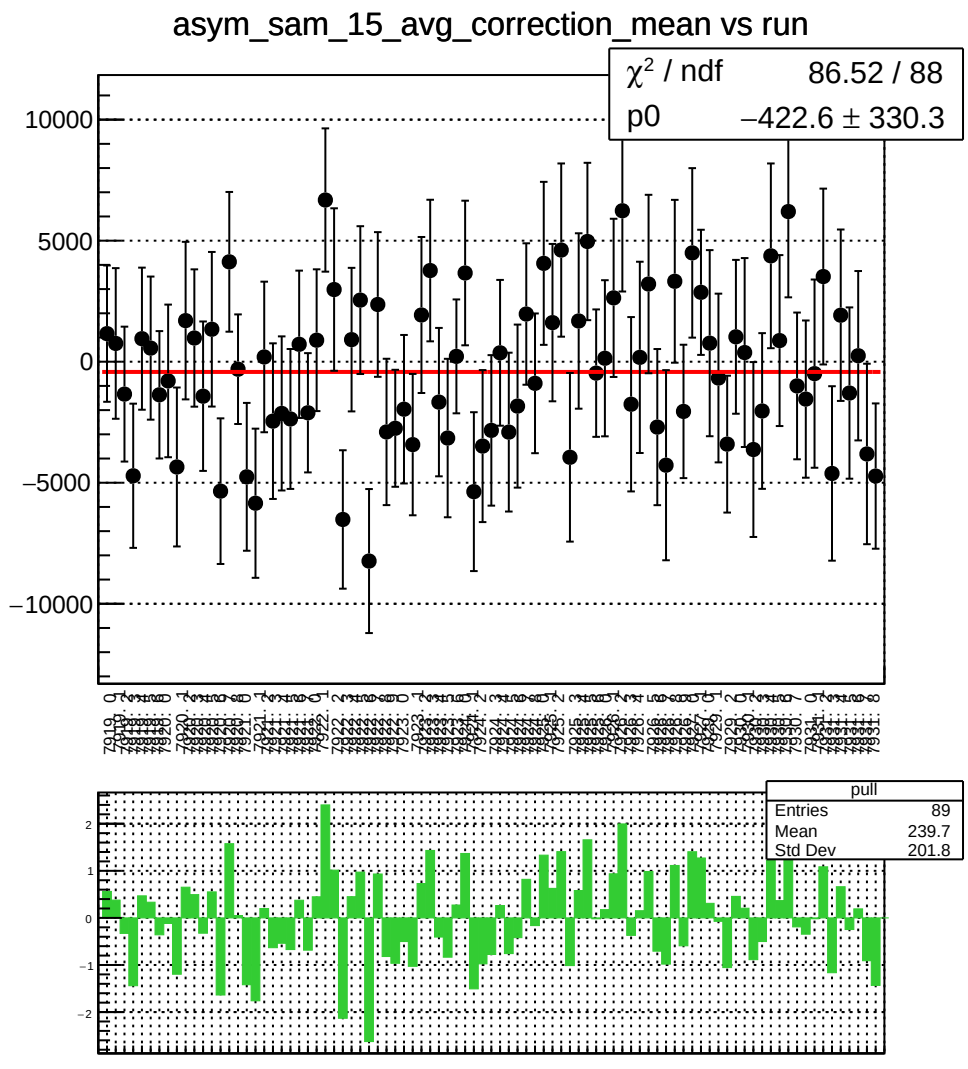

pull1D
Entries 89
Mean 0.01195
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

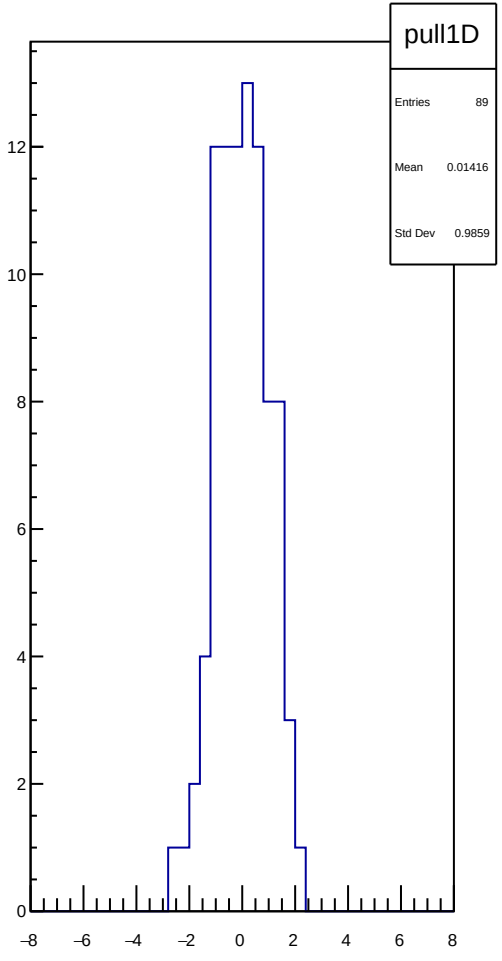

asym_sam8_rms vs run
χ² / ndf 4284 / 88
p0 628.2 ± 0.4798
720
700
680
660
640
620
600
580
560
540

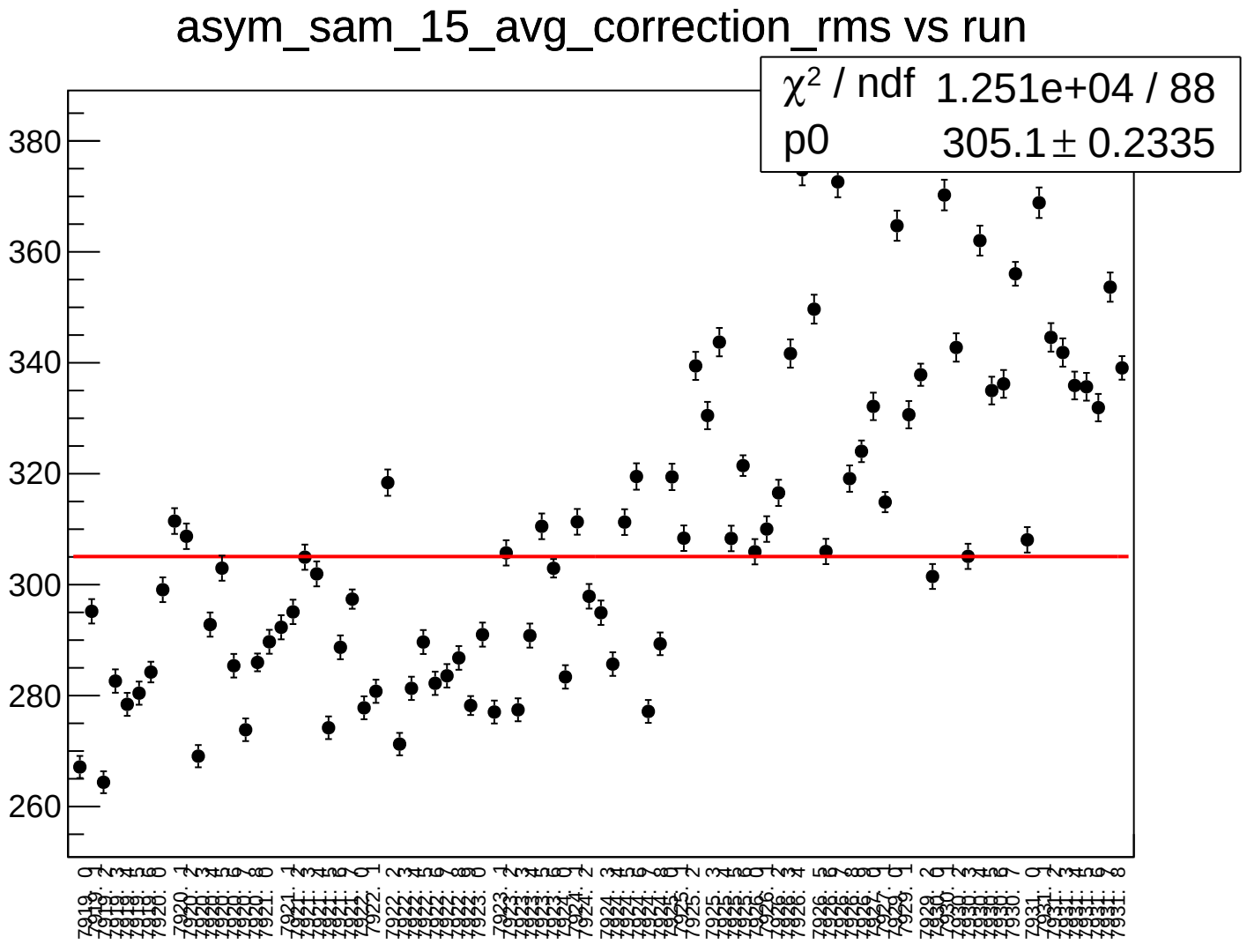

dit_asym_sam_15_avg_mean vs run
χ² / ndf 80.75 / 88
p0 −13.74 ± 80.12
pull
Entries 89
Mean 31.61
Std Dev 69.7

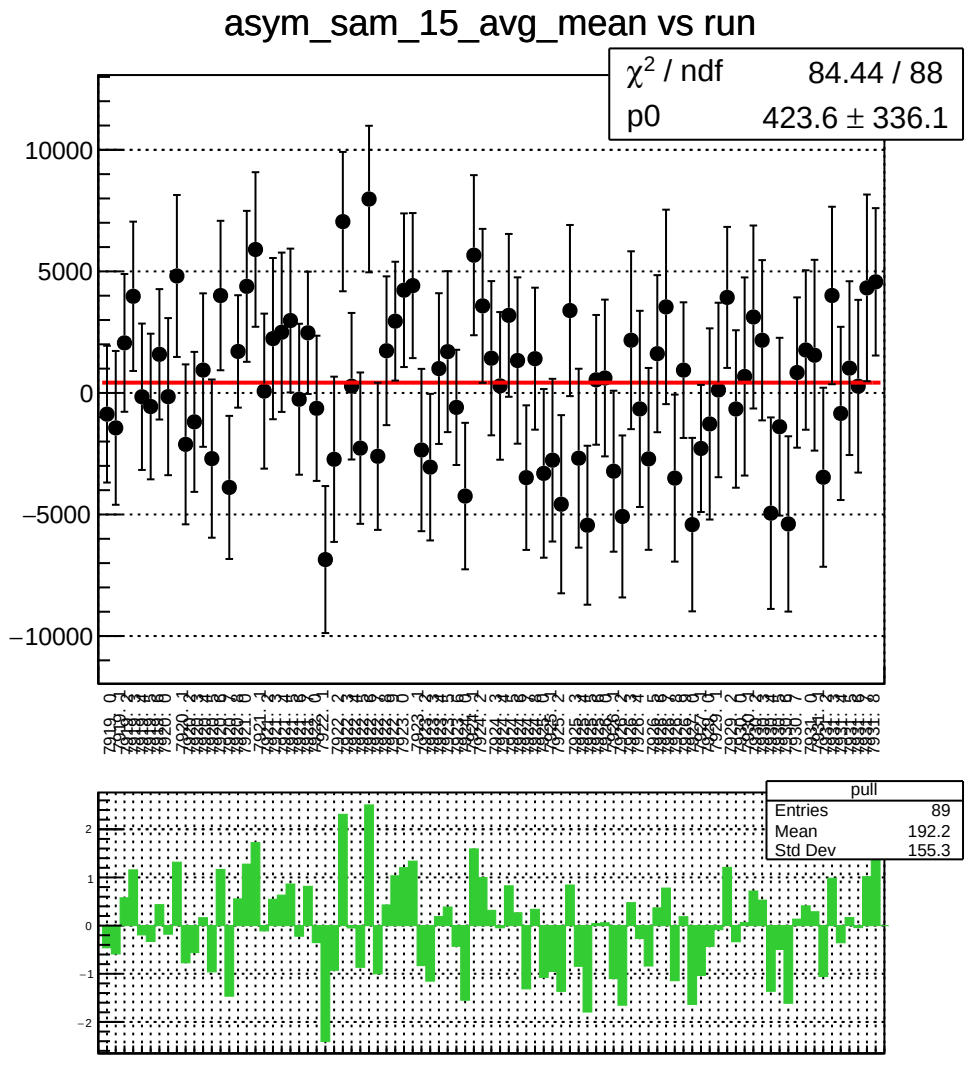

pull1D
Entries 89
Mean −0.008998
Std Dev 0.9525

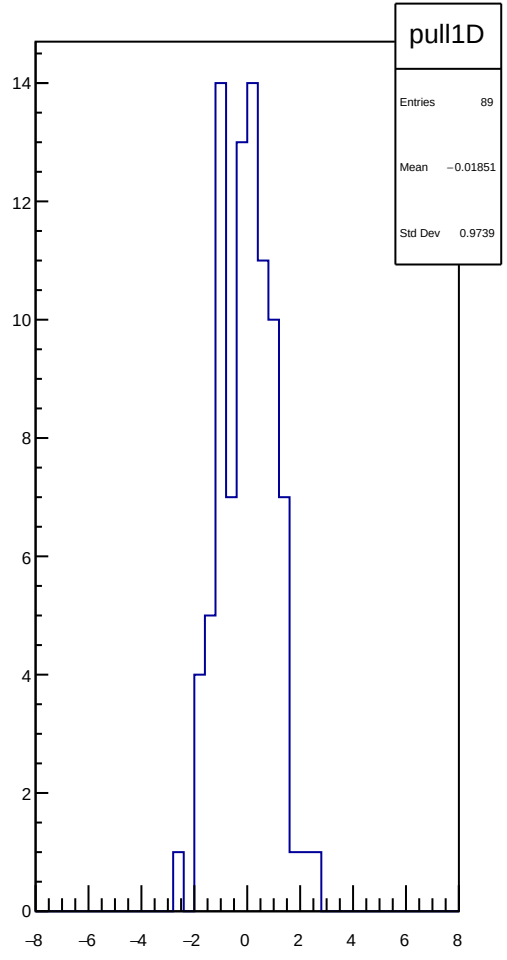

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1187 / 88
p0 74.25 ± 0.05665
82
80
78
76
74
72
70

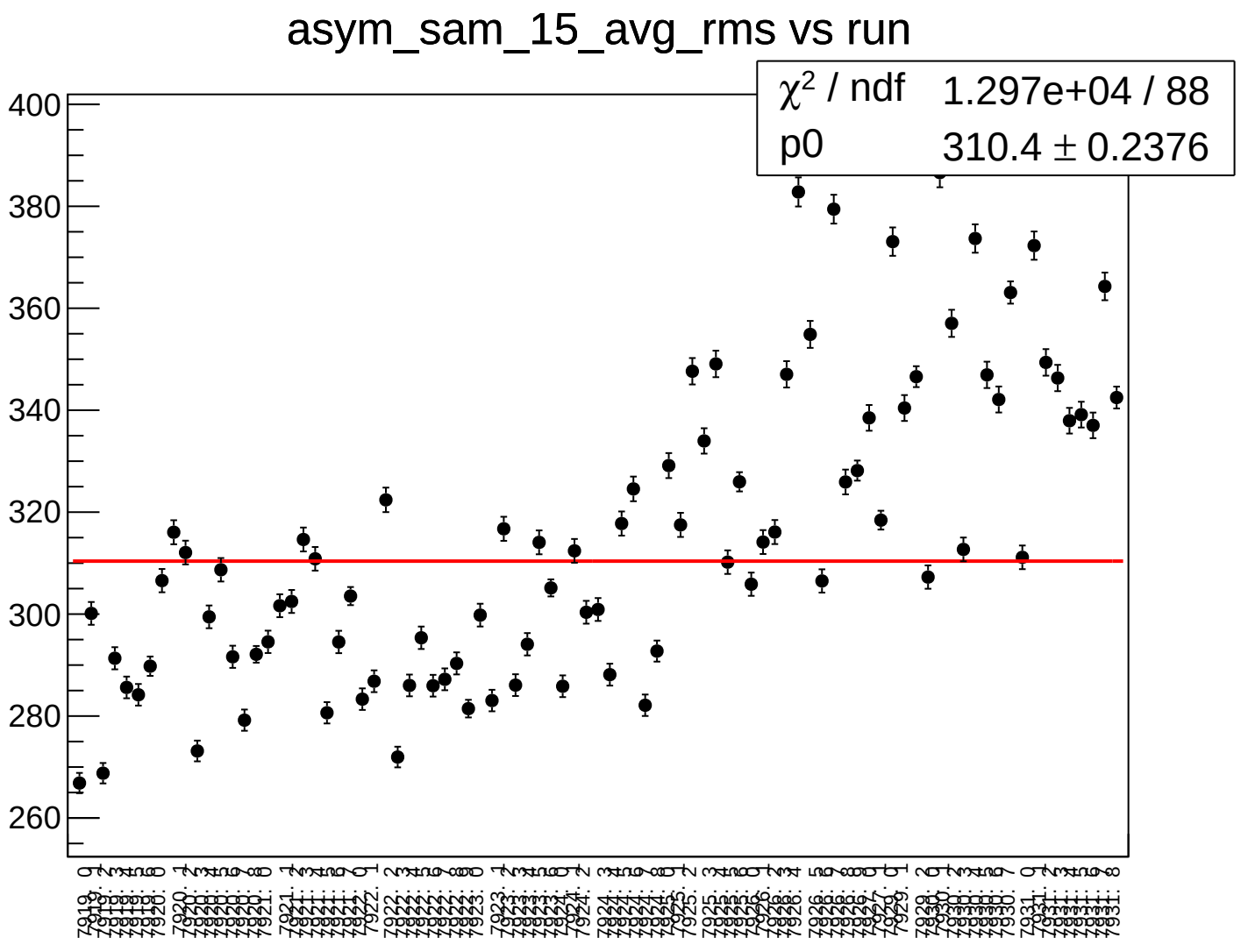

asym_sam_15_avg_correction_mean vs run
χ² / ndf 86.52 / 88
p0 −422.6 ± 330.3
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 239.7
Std Dev 201.8
2
1
0
−1
−2

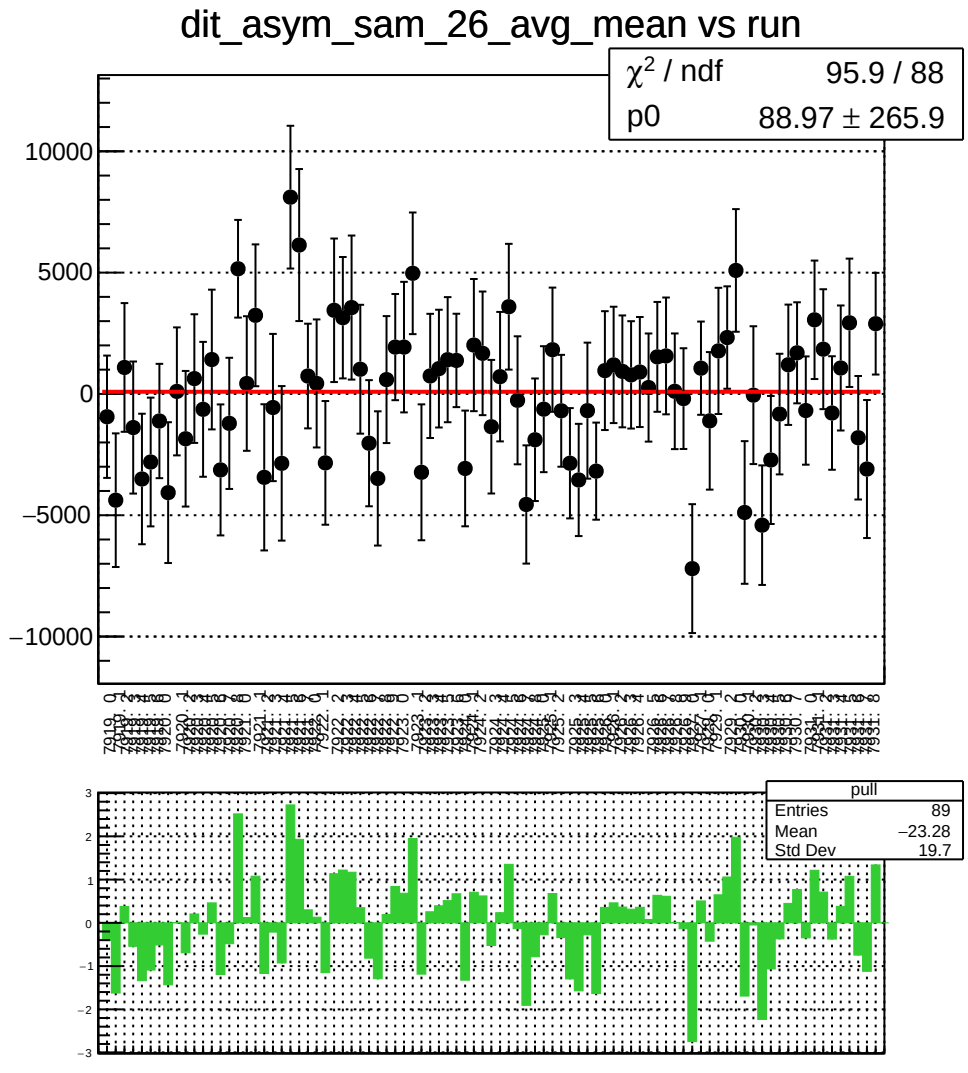

pull1D
Entries 89
Mean 0.01416
Std Dev 0.9859
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

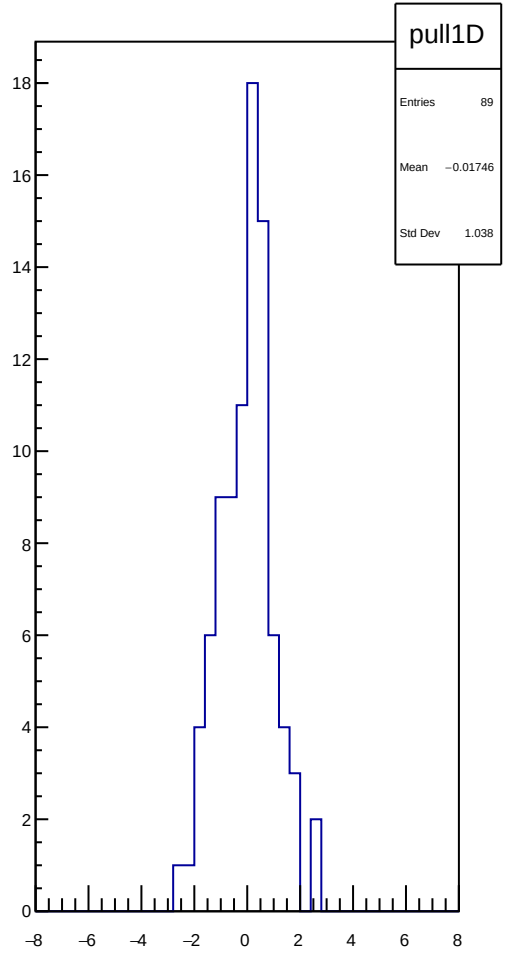

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.251e+04 / 88
p0 305.1 ± 0.2335
380
360
340
320
300
280
260

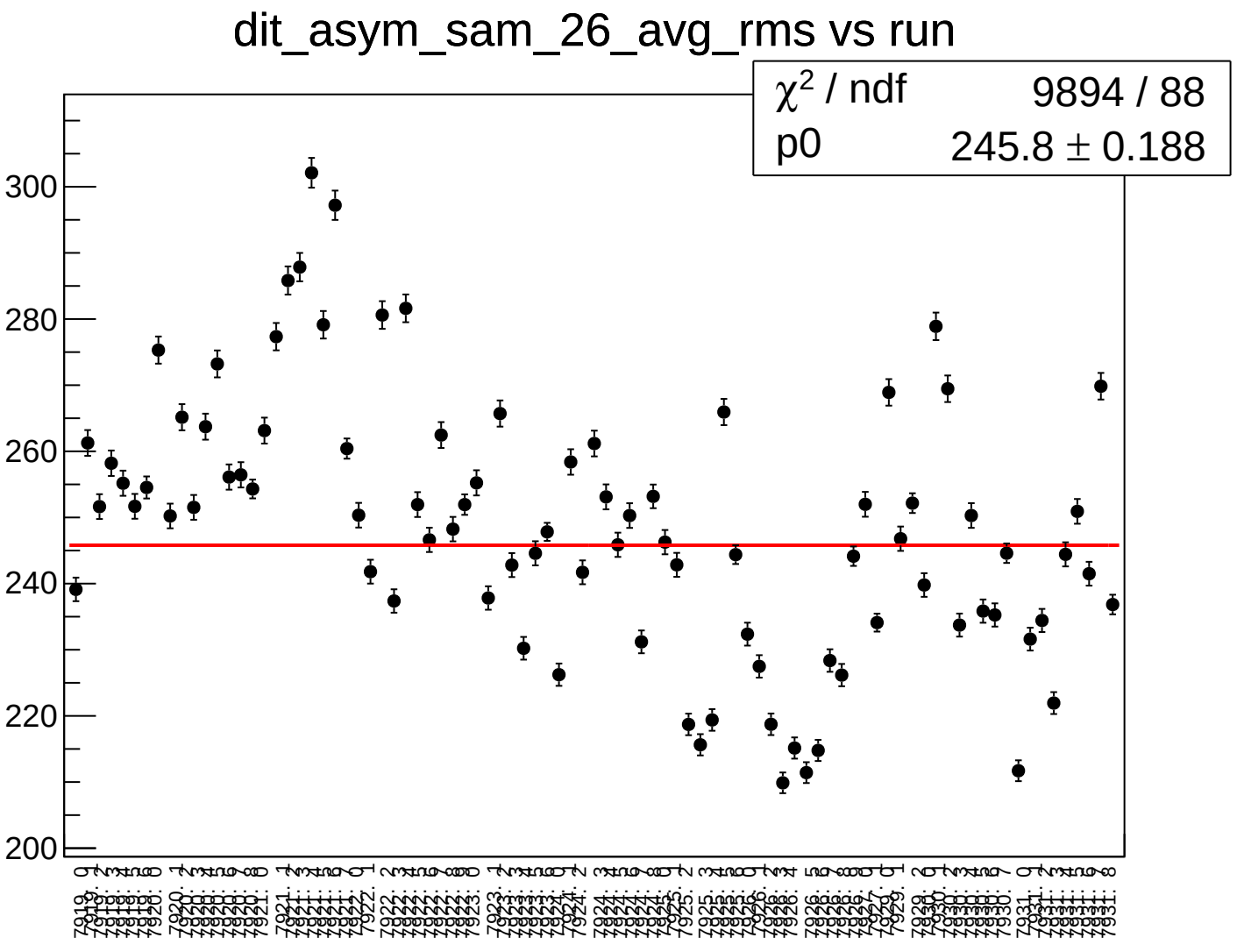

asym_sam_15_avg_mean vs run
χ² / ndf 84.44 / 88
p0 423.6 ± 336.1
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 192.2
Std Dev 155.3
2
1
0
−1
−2

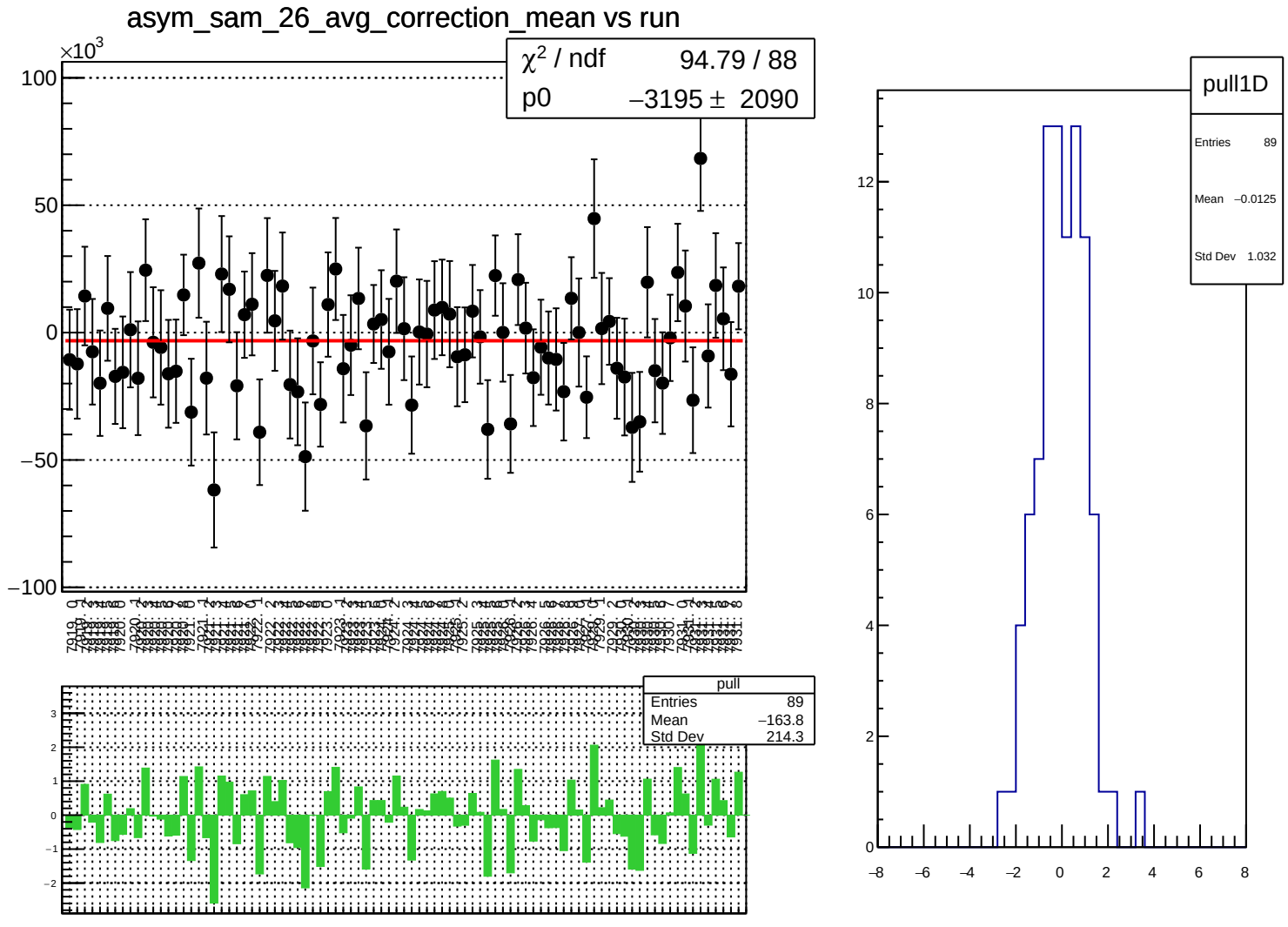

pull1D
Entries 89
Mean −0.01851
Std Dev 0.9739
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

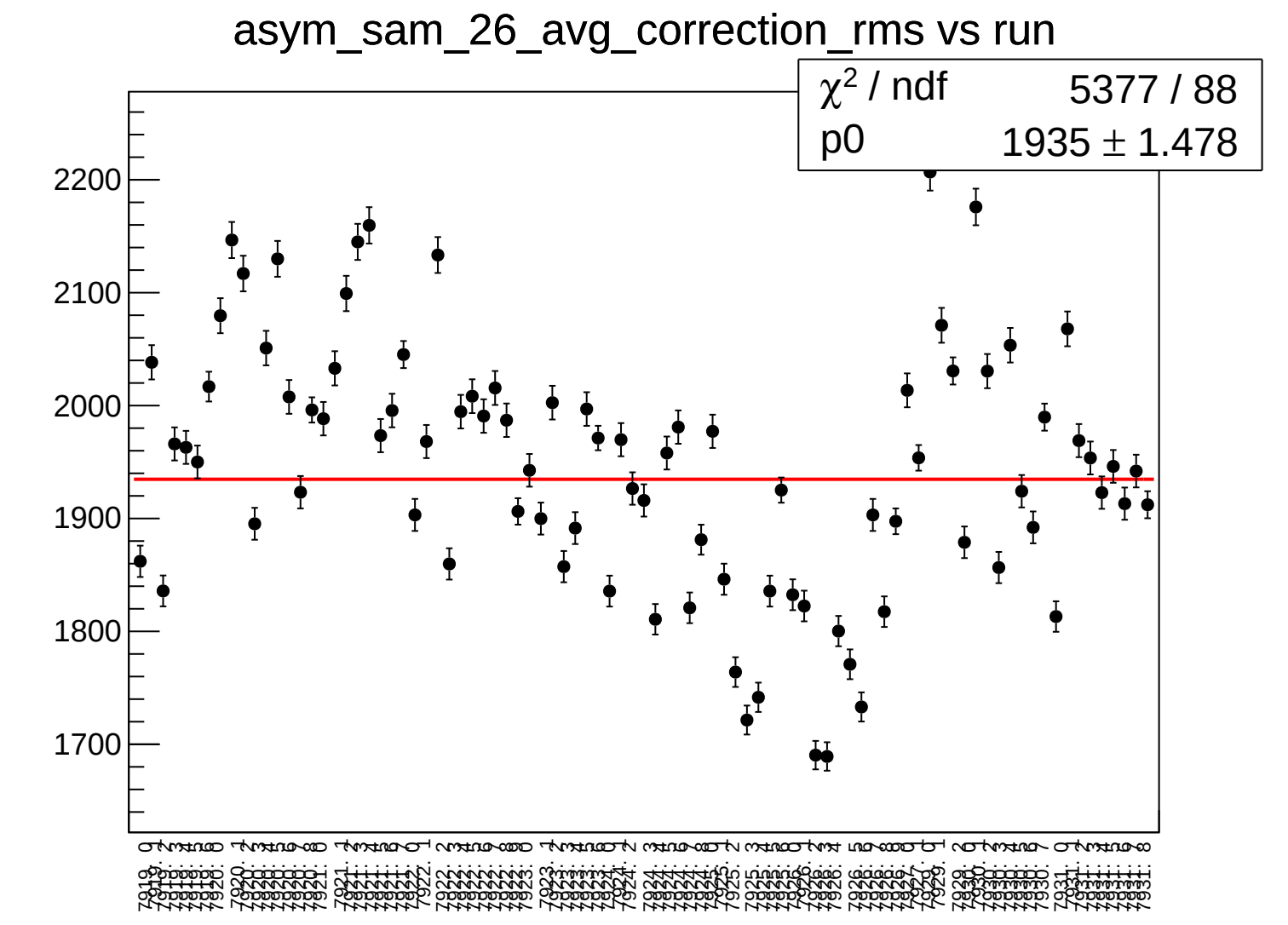

asym_sam_15_avg_rms vs run
χ² / ndf 1.297e+04 / 88
p0 310.4 ± 0.2376
400
380
360
340
320
300
280
260

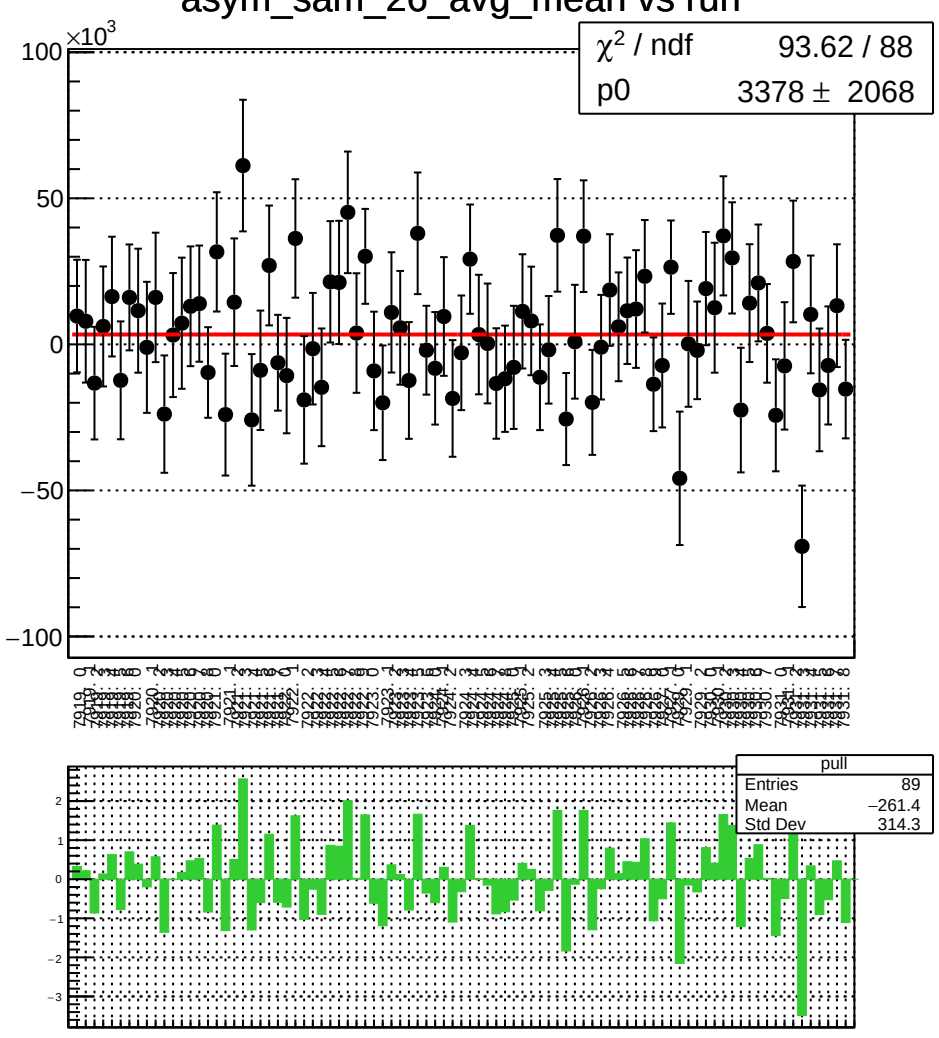

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 95.9 / 88
p0 88.97 ± 265.9
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −23.28
Std Dev 19.7
3
2
1
0
−1
−2
−3

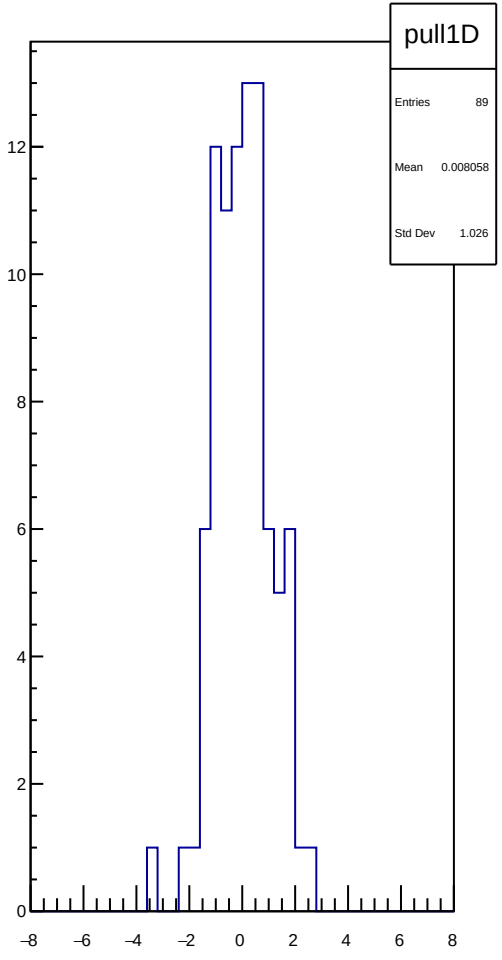

pull1D
Entries 89
Mean −0.01746
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

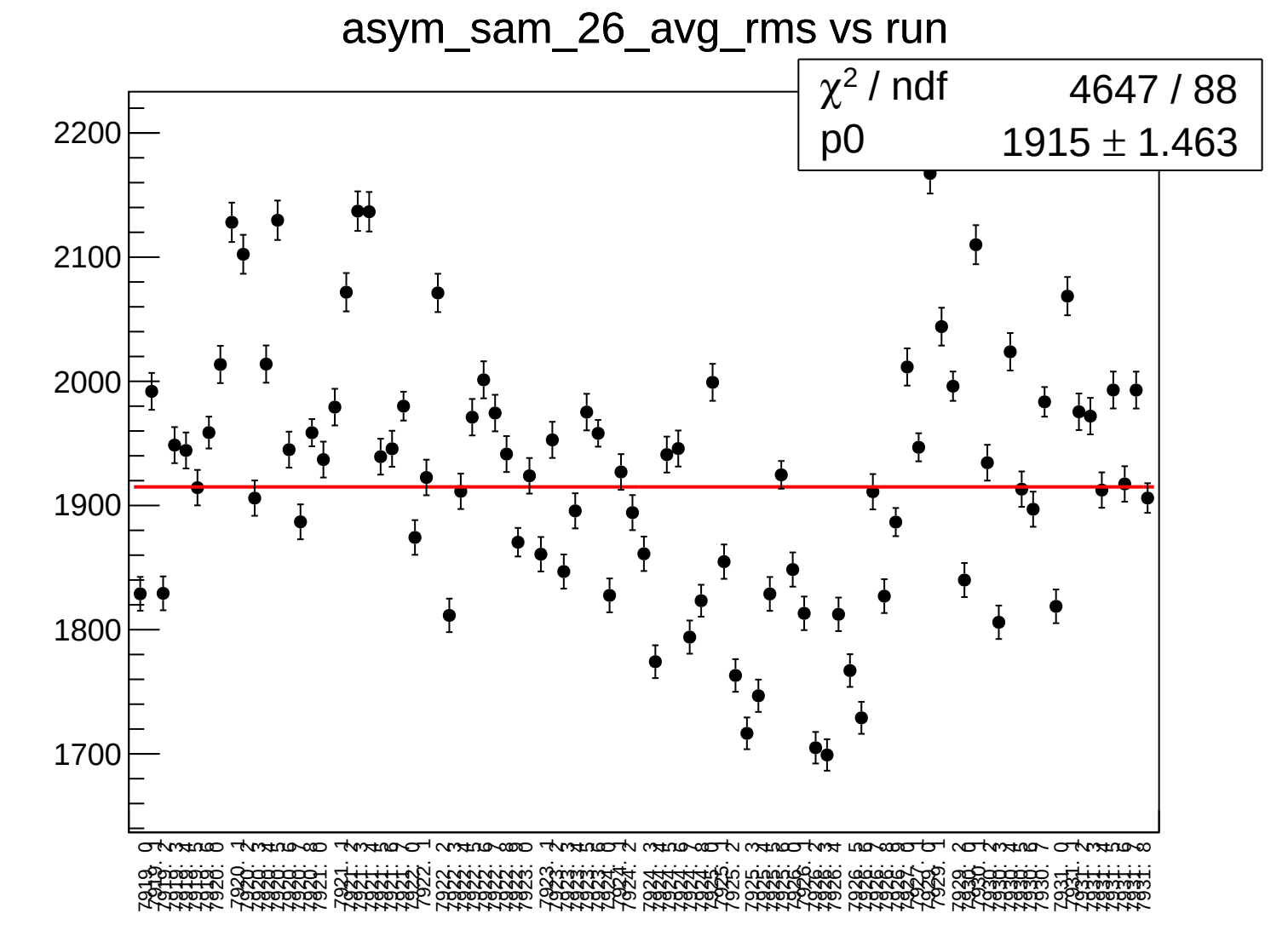

dit_asym_sam_26_avg_rms vs run
χ² / ndf 9894 / 88
p0 245.8 ± 0.188
300
280
260
240
220
200

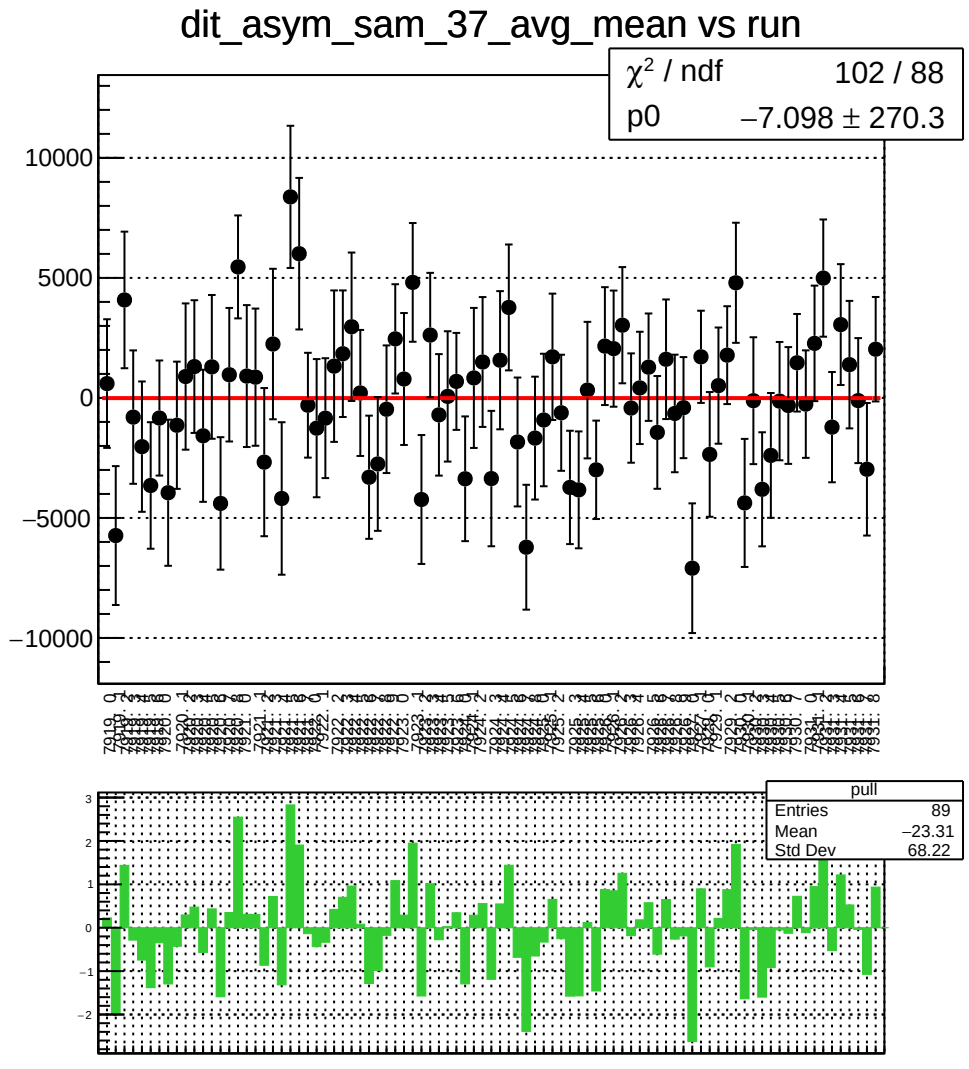

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 94.79 / 88
p0 −3195 ± 2090
100
50
0
−50
−100
pull
Entries 89
Mean −163.8
Std Dev 214.3
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.0125
Std Dev 1.032
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

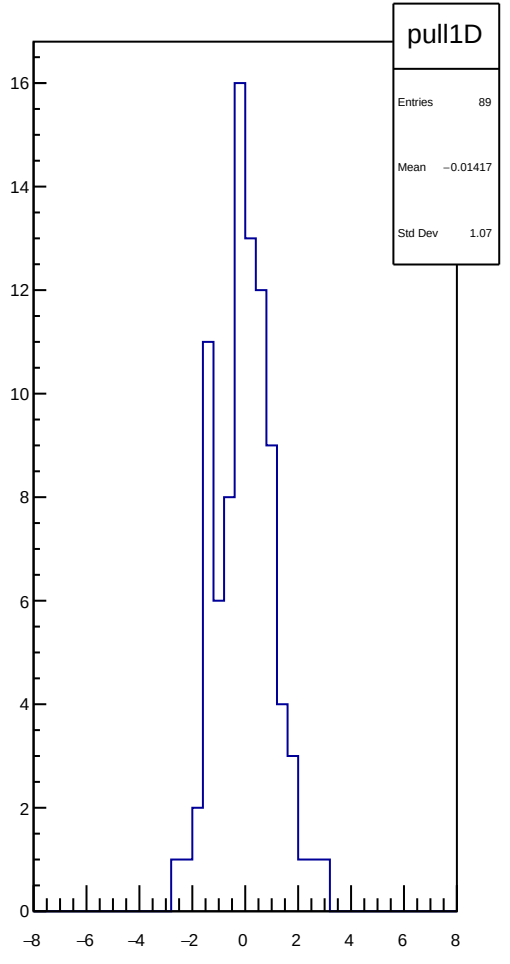

asym_sam_26_avg_correction_rms vs run
χ² / ndf 5377 / 88
p0 1935 ± 1.478
2200
2100
2000
1900
1800
1700

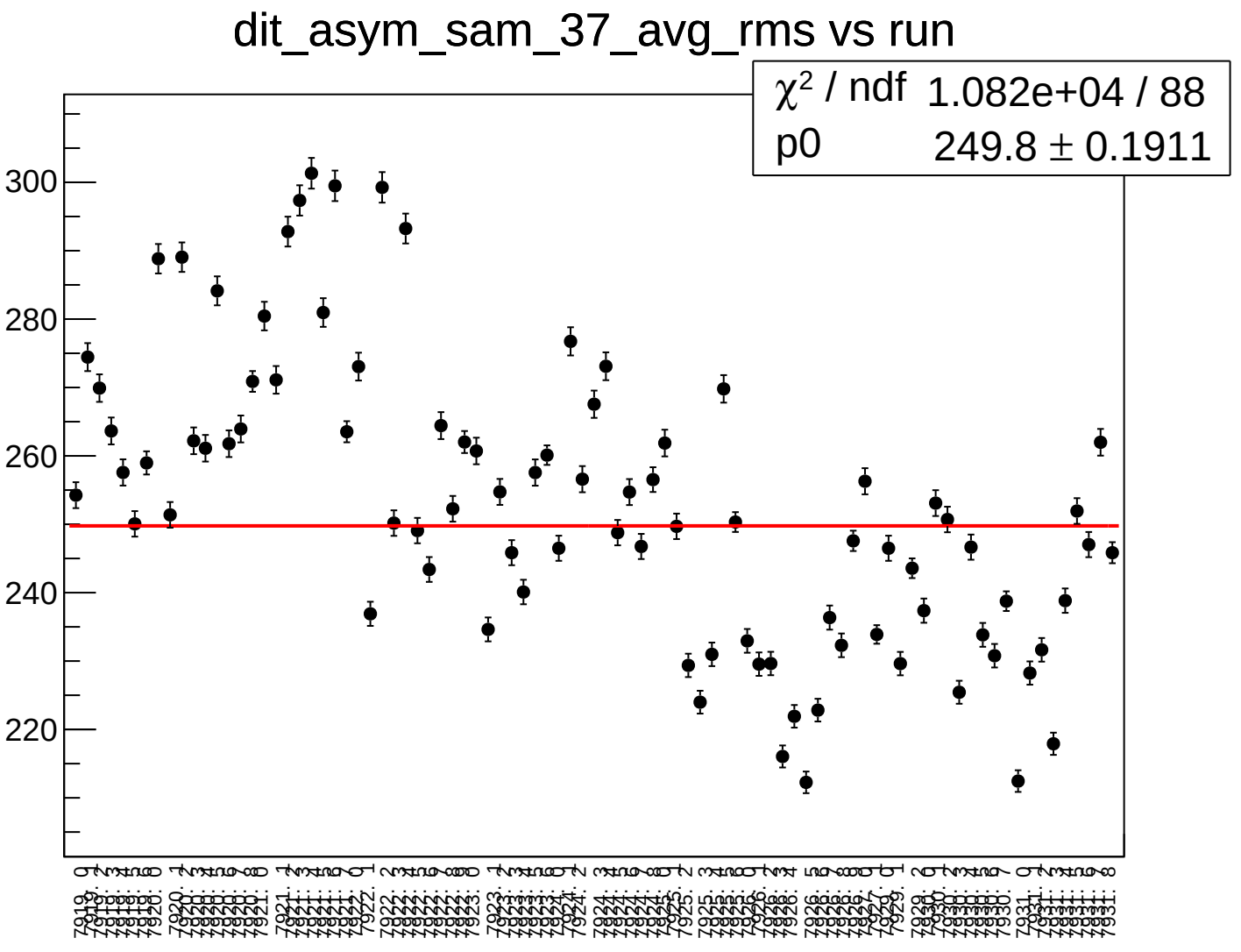

asym_sam_26_avg_mean vs run
χ^2 / ndf 93.62 / 88
p0 3378 ± 2068
pull
Entries 89
Mean −261.4
Std Dev 314.3

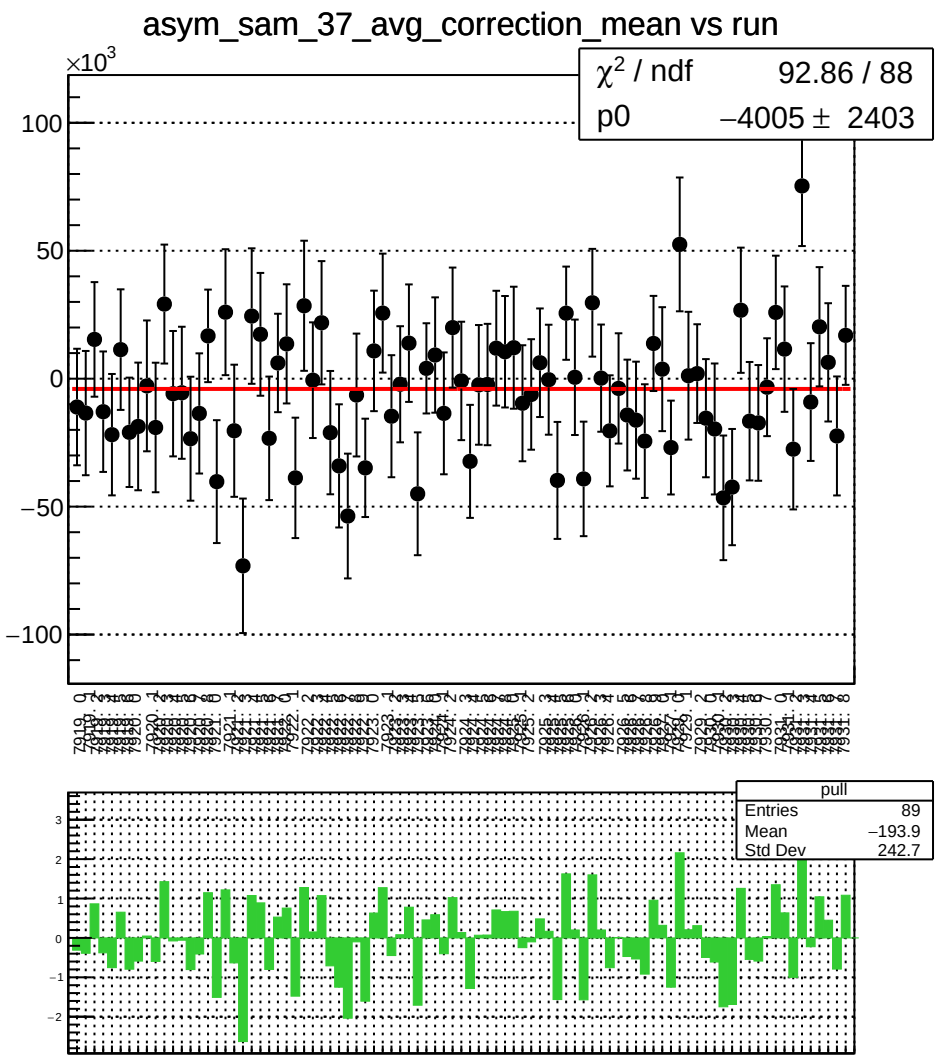

pull1D
Entries 89
Mean 0.008058
Std Dev 1.026

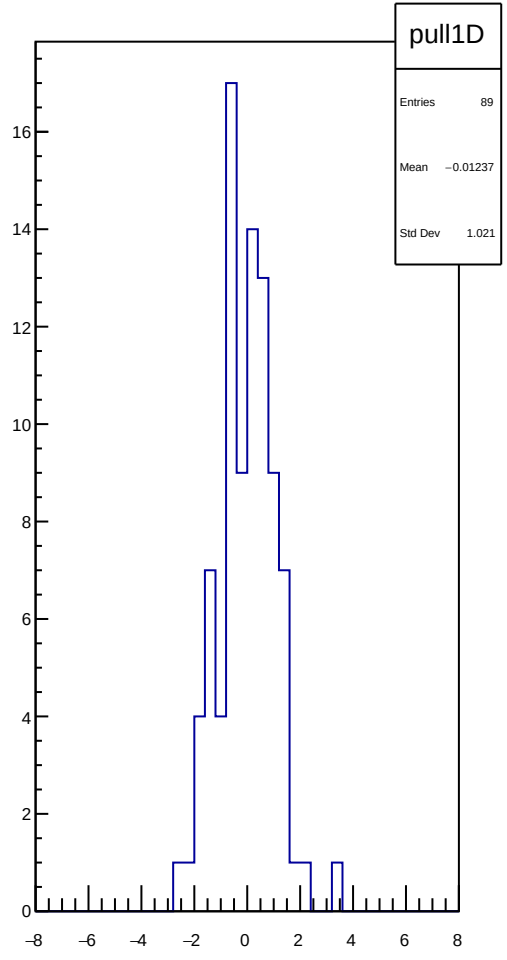

asym_sam_26_avg_rms vs run
χ² / ndf 4647 / 88
p0 1915 ± 1.463
2200
2100
2000
1900
1800
1700

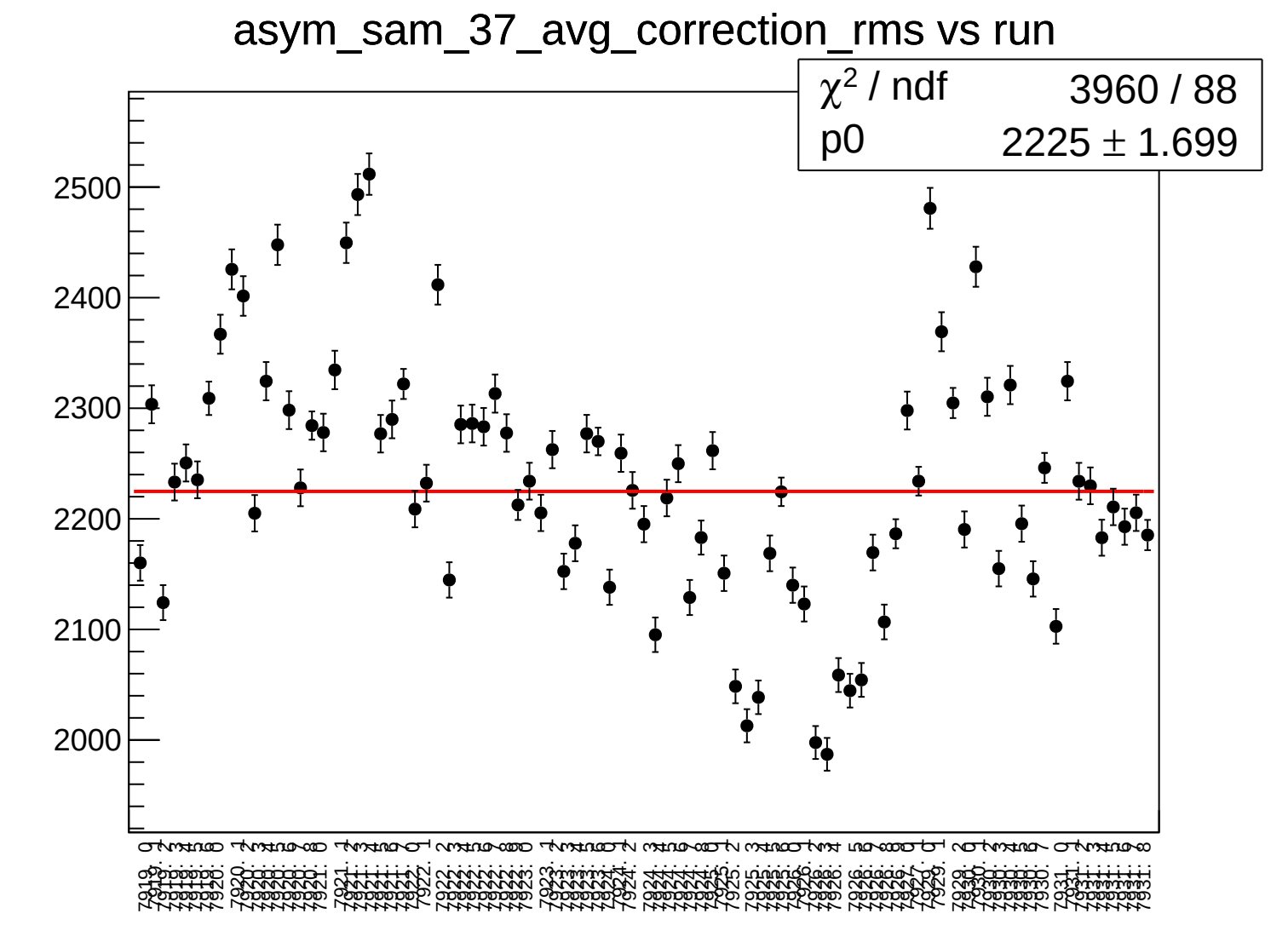

dit_asym_sam_37_avg_mean vs run
χ² / ndf 102 / 88
p0 −7.098 ± 270.3
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −23.31
Std Dev 68.22
3
2
1
0
−1
−2

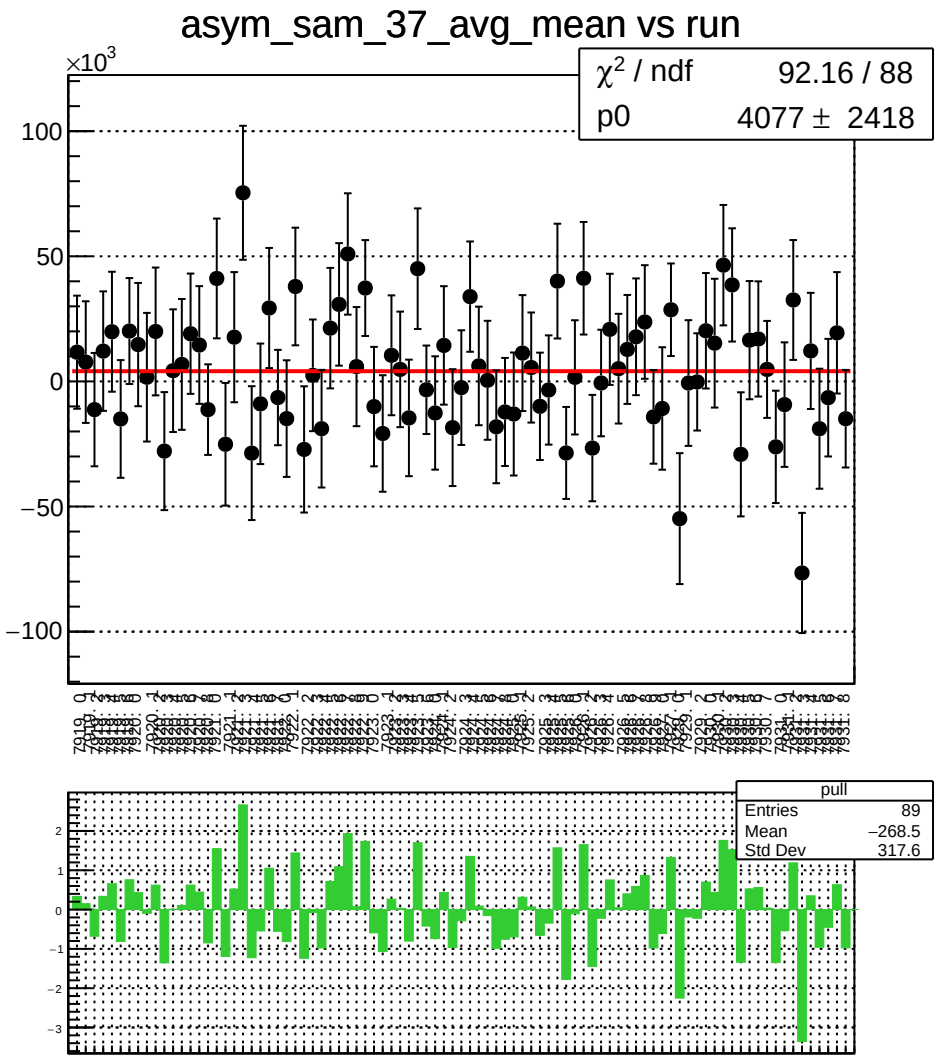

pull1D
Entries 89
Mean −0.01417
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

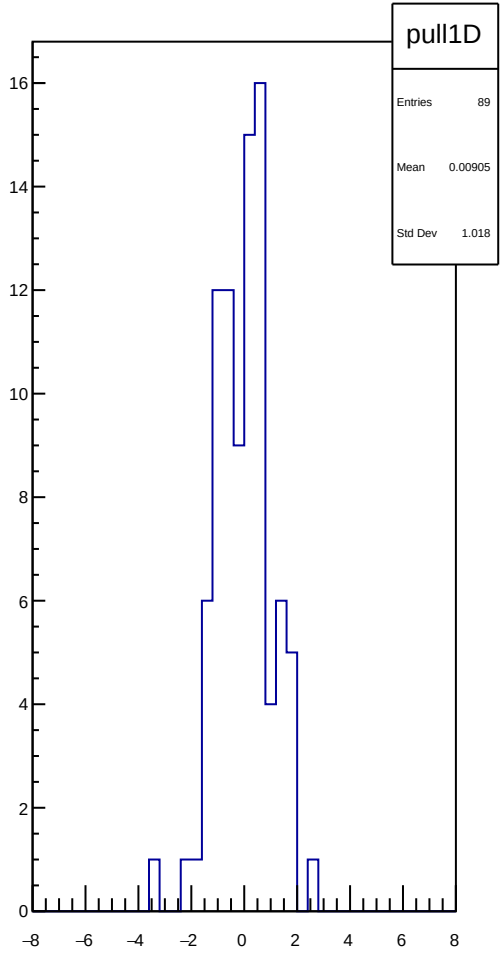

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.082e+04 / 88
p0 249.8 ± 0.1911
300
280
260
240
220

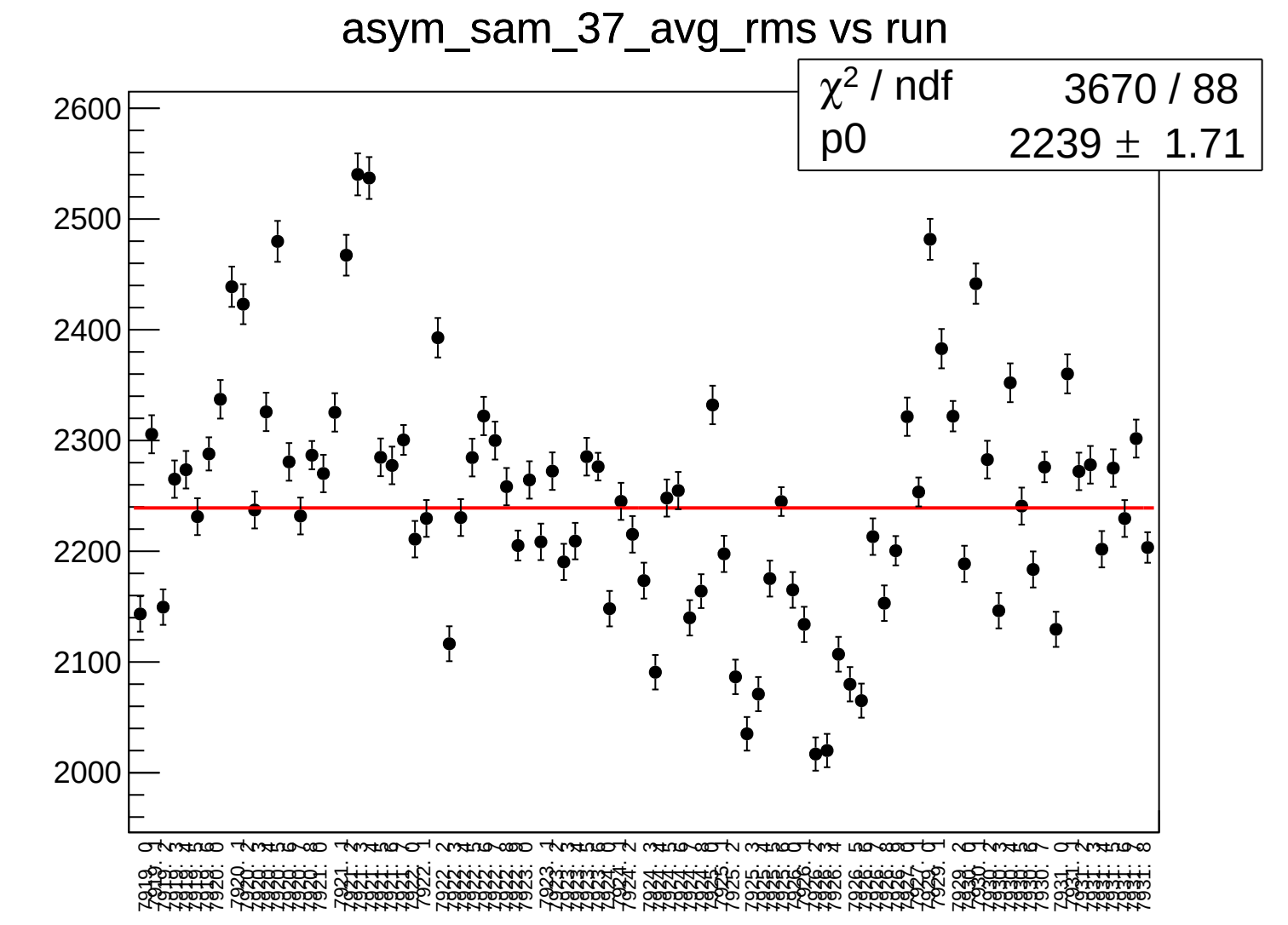

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 92.86 / 88
p0 −4005 ± 2403
100
50
0
−50
−100
pull
Entries 89
Mean −193.9
Std Dev 242.7
3
2
1
0
−1
−2

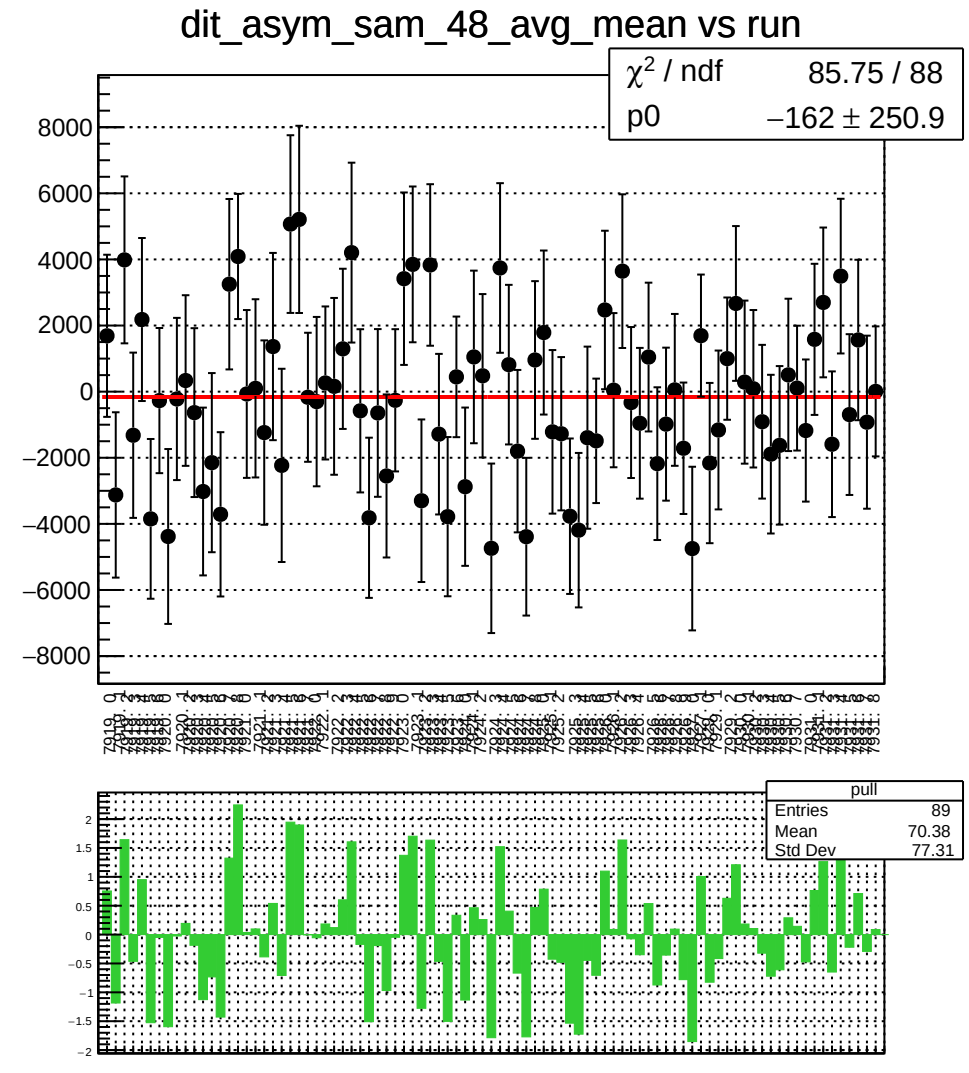

pull1D
Entries 89
Mean −0.01237
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

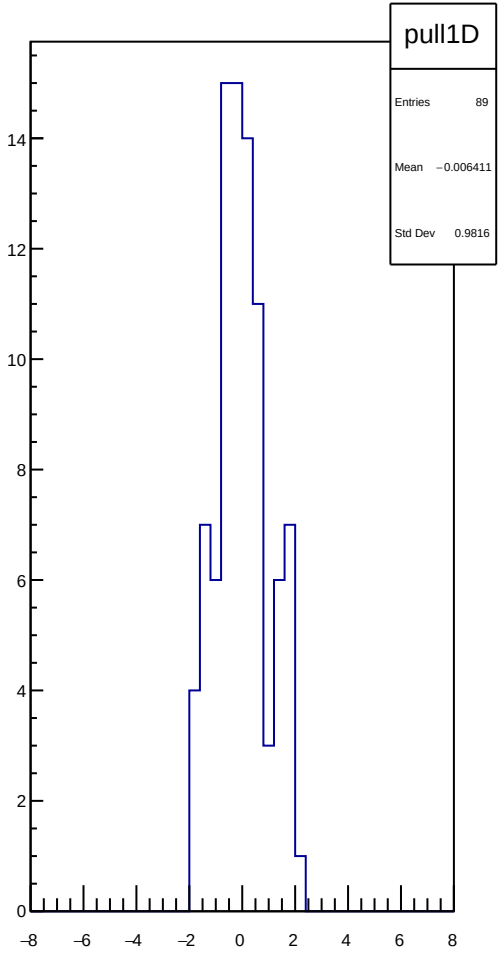

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3960 / 88
p0 2225 ± 1.699
2500
2400
2300
2200
2100
2000

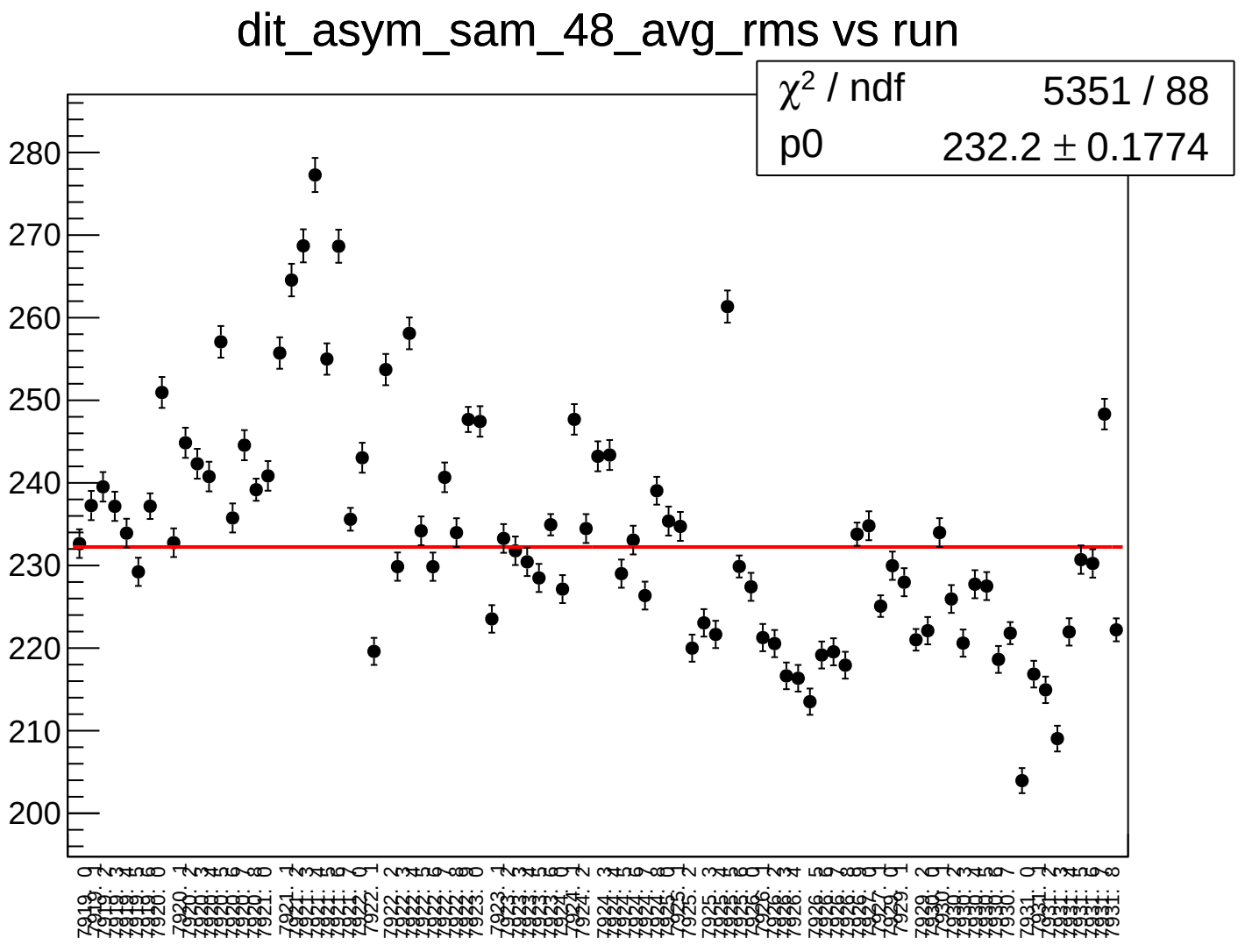

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 92.16 / 88
p0 4077 ± 2418
100
50
0
−50
−100
pull
Entries 89
Mean −268.5
Std Dev 317.6
2
1
0
−1
−2
−3

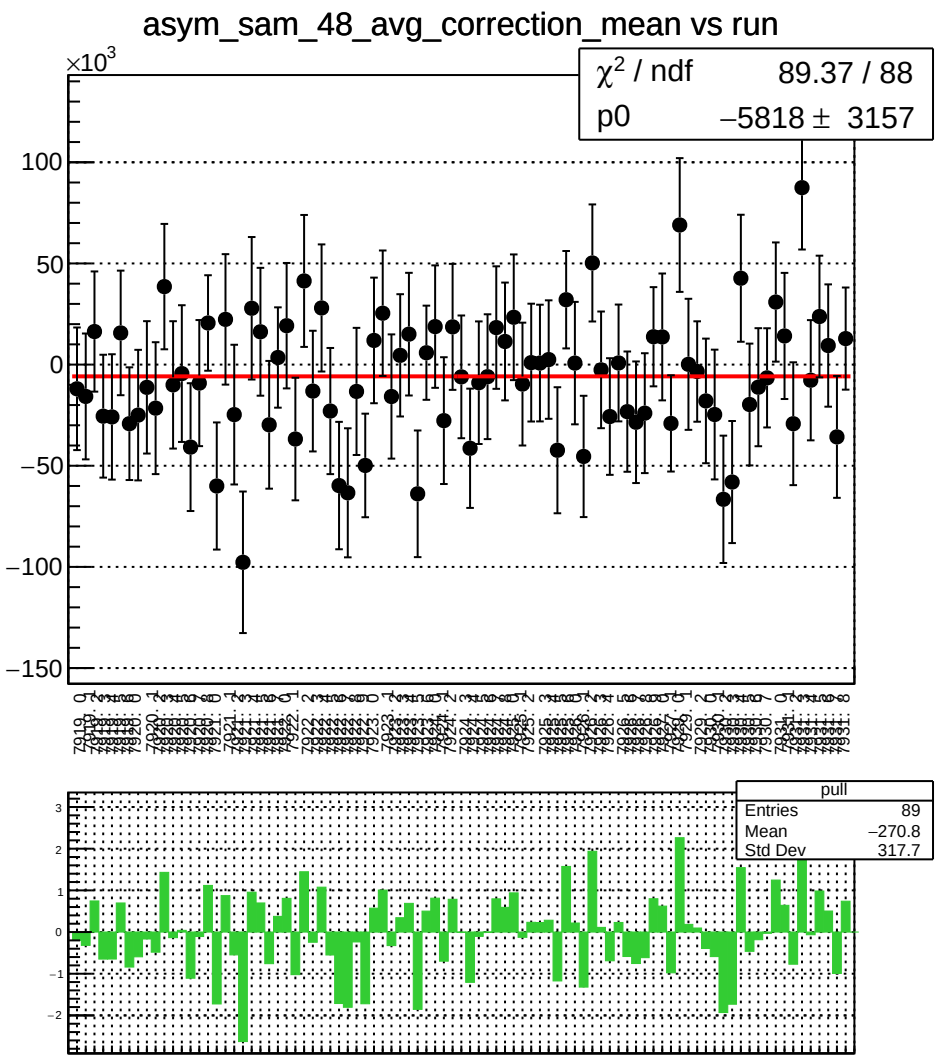

pull1D
Entries 89
Mean 0.00905
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

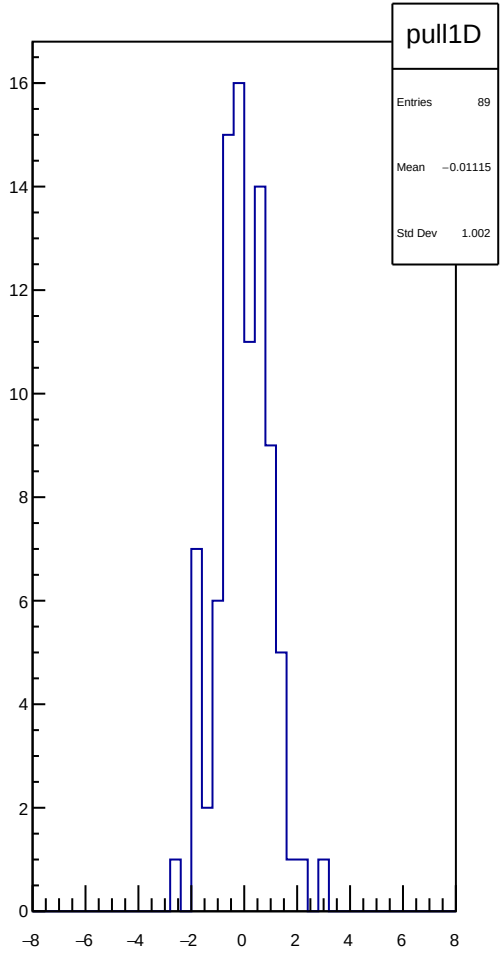

asym_sam_37_avg_rms vs run
χ^2 / ndf 3670 / 88
p0 2239 ± 1.71
2600
2500
2400
2300
2200
2100
2000

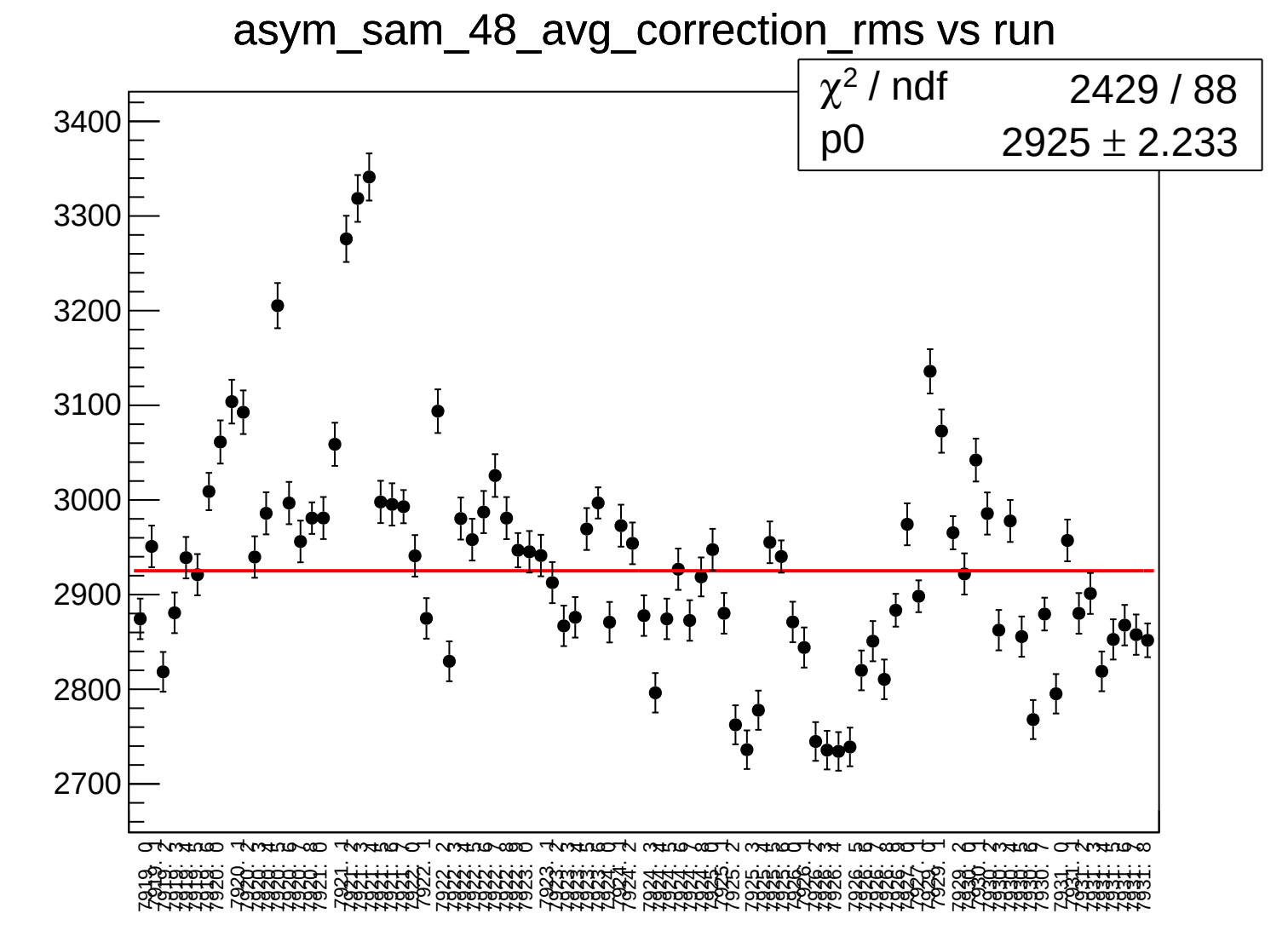

dit_asym_sam_48_avg_mean vs run
χ² / ndf 85.75 / 88
p0 −162 ± 250.9
pull
Entries 89
Mean 70.38
Std Dev 77.31

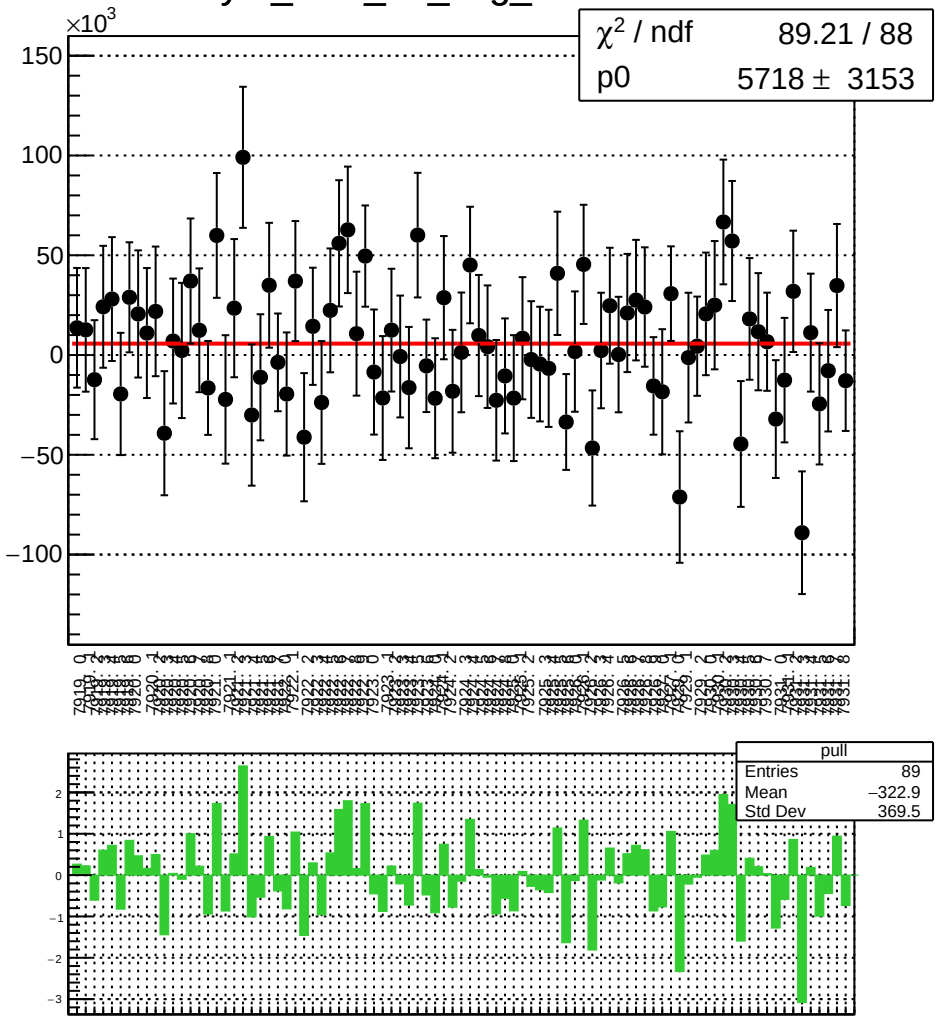

pull1D
Entries 89
Mean −0.006411
Std Dev 0.9816

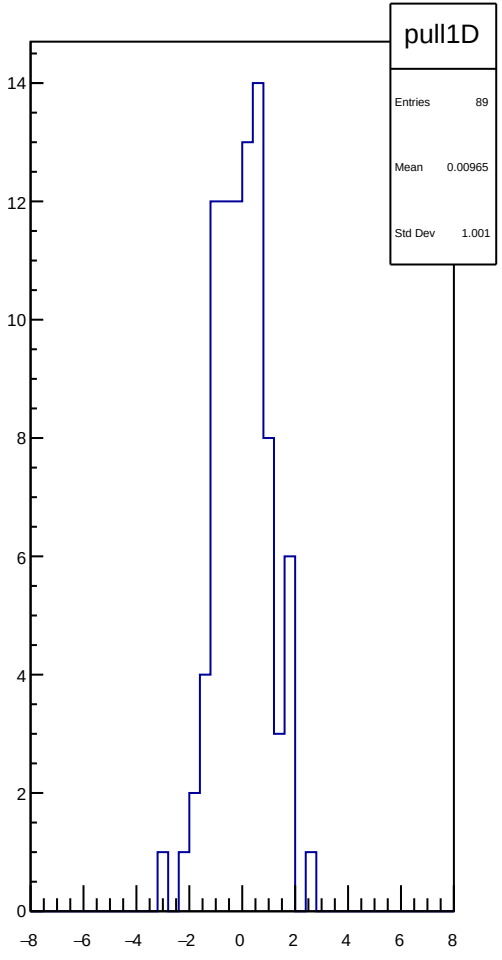

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 5351 / 88
p0 232.2 ± 0.1774
280
270
260
250
240
230
220
210
200

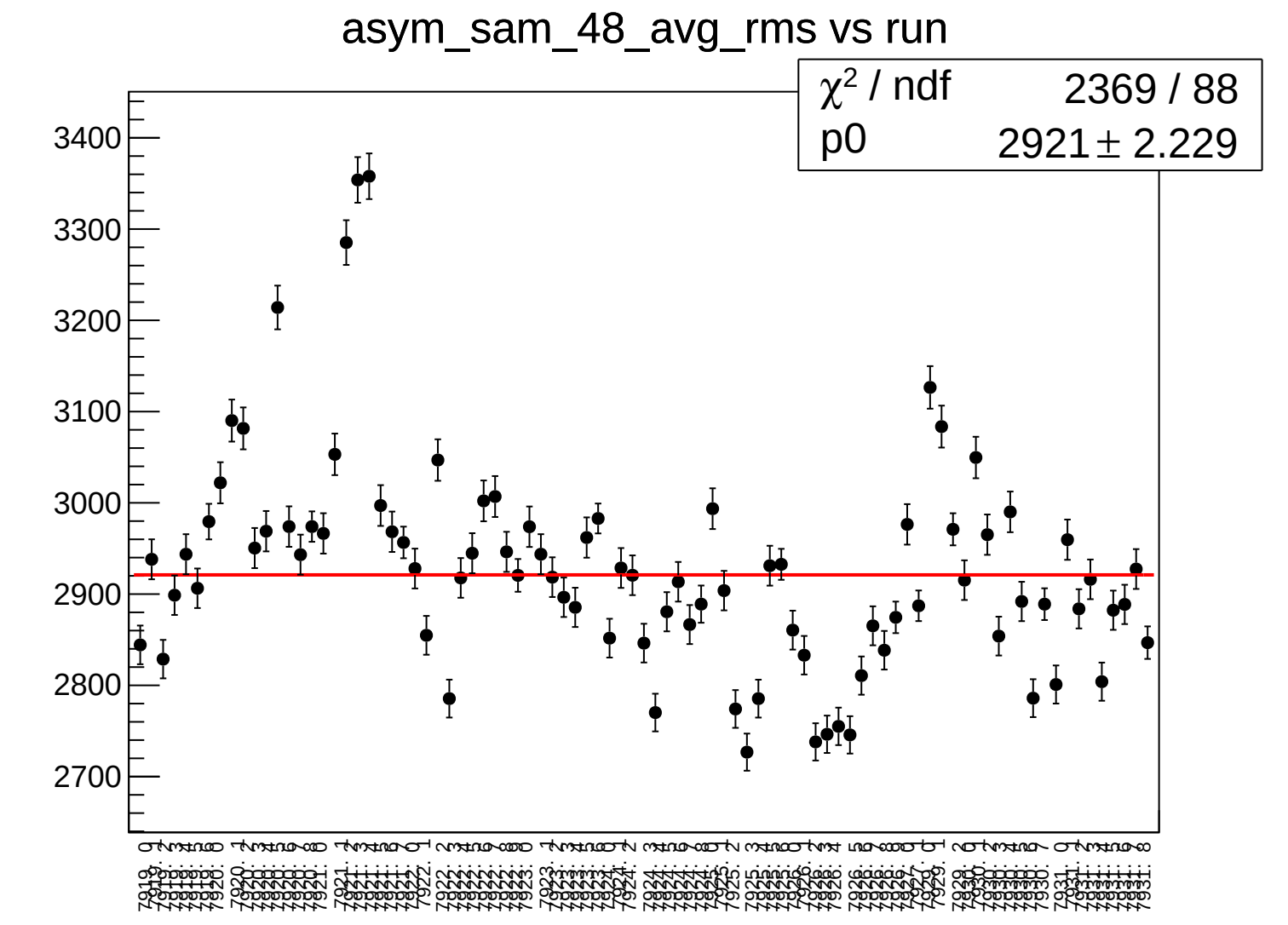

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 89.37 / 88
p0 −5818 ± 3157
100
50
0
−50
−100
−150
pull
Entries 89
Mean −270.8
Std Dev 317.7
3
2
1
0
−1
−2

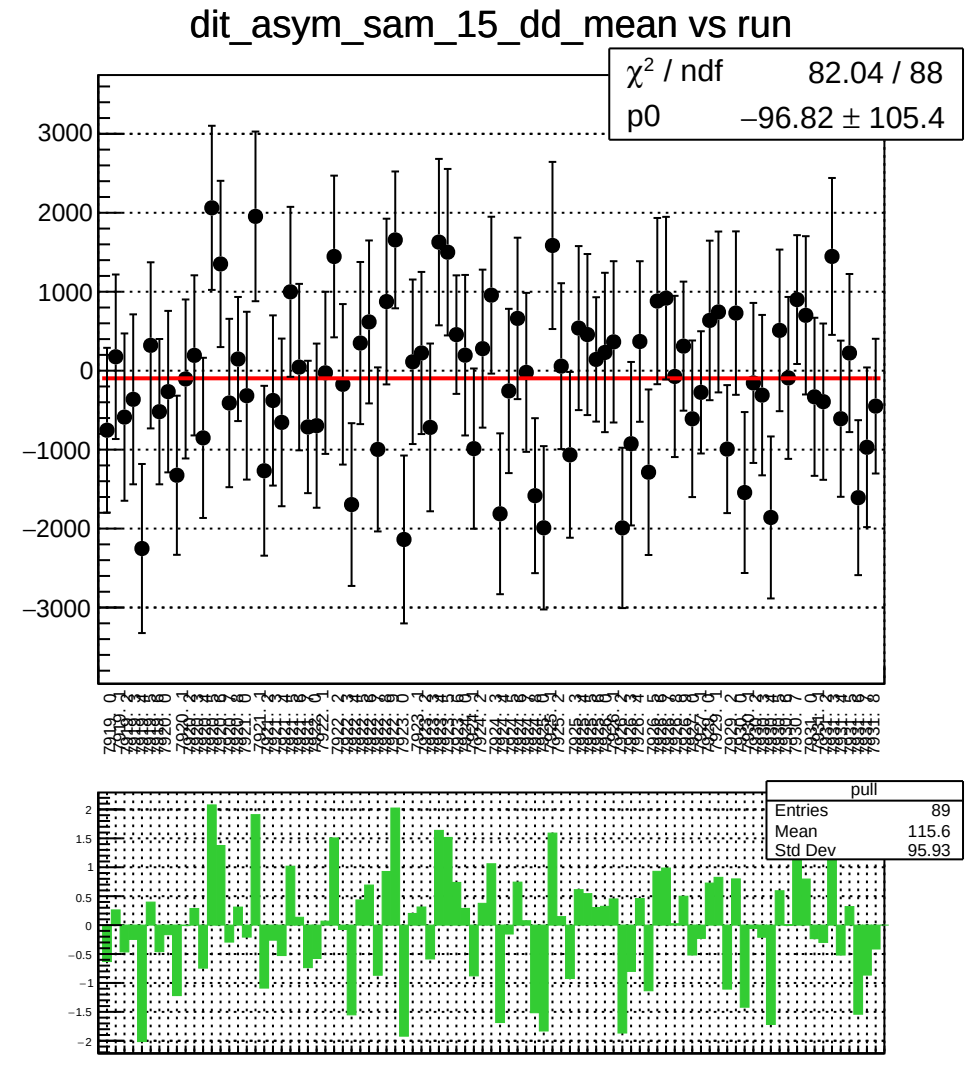

pull1D
Entries 89
Mean −0.01115
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

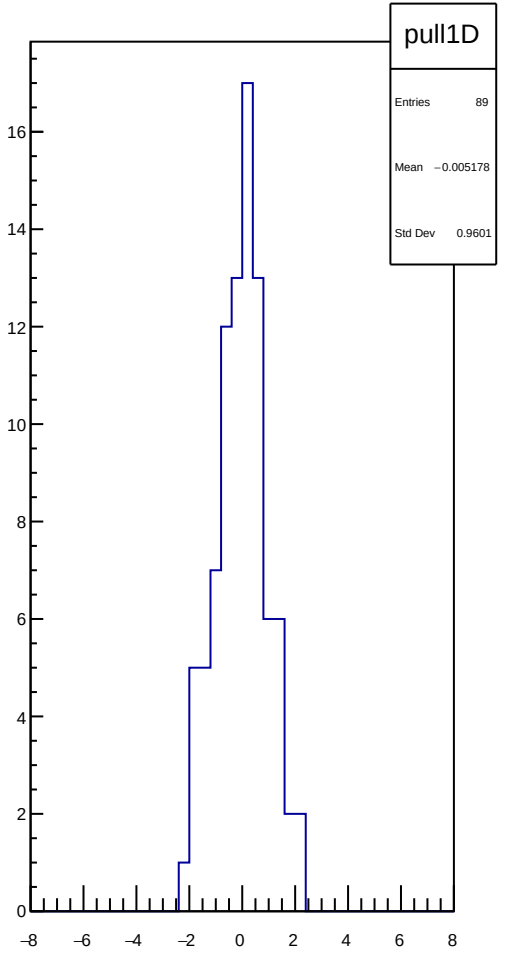

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2429 / 88
p0 2925 ± 2.233
3400
3300
3200
3100
3000
2900
2800
2700

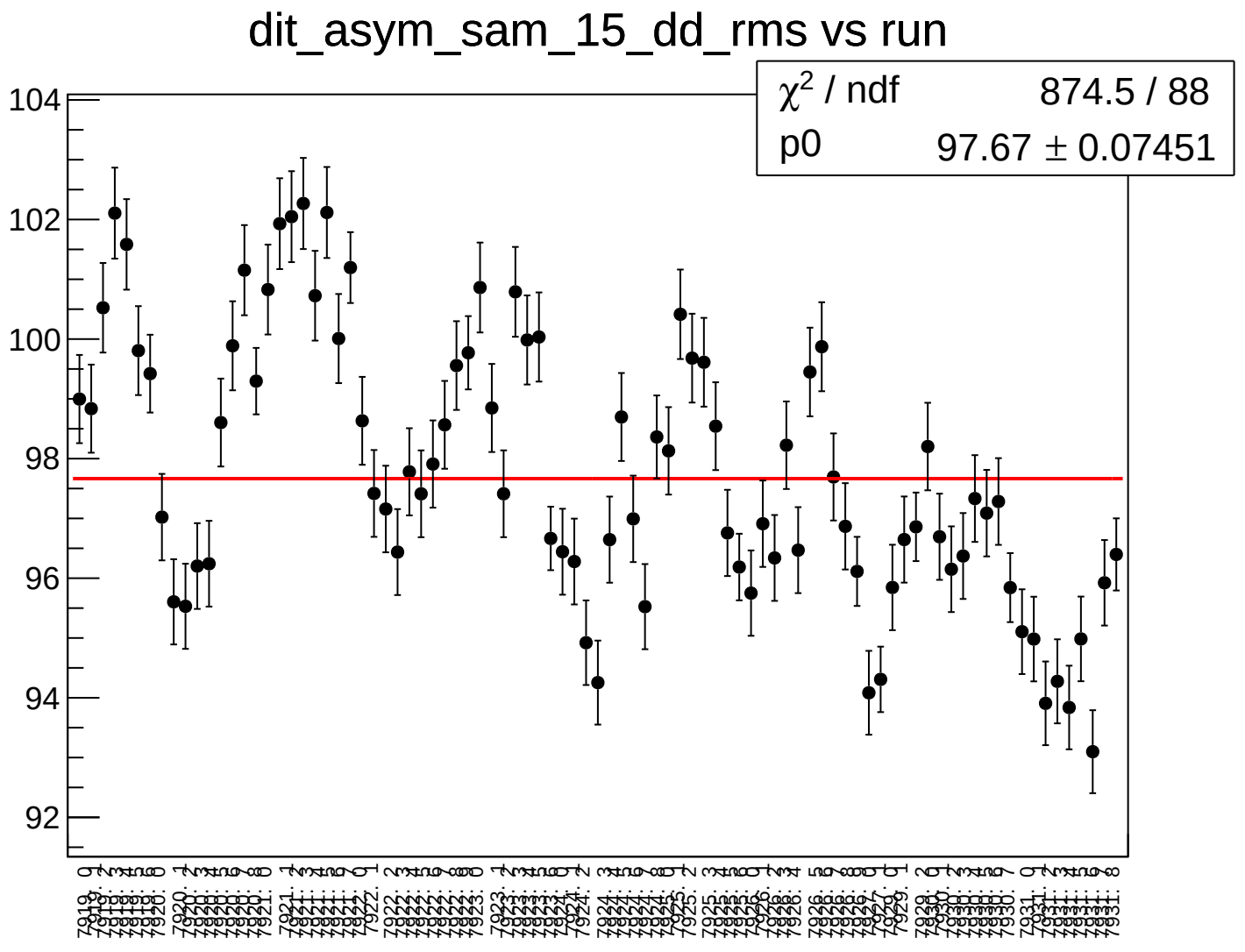

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 89.21 / 88
p0 5718 ± 3153
150
100
50
0
−50
−100
pull
Entries 89
Mean −322.9
Std Dev 369.5
2
1
0
−1
−2
−3

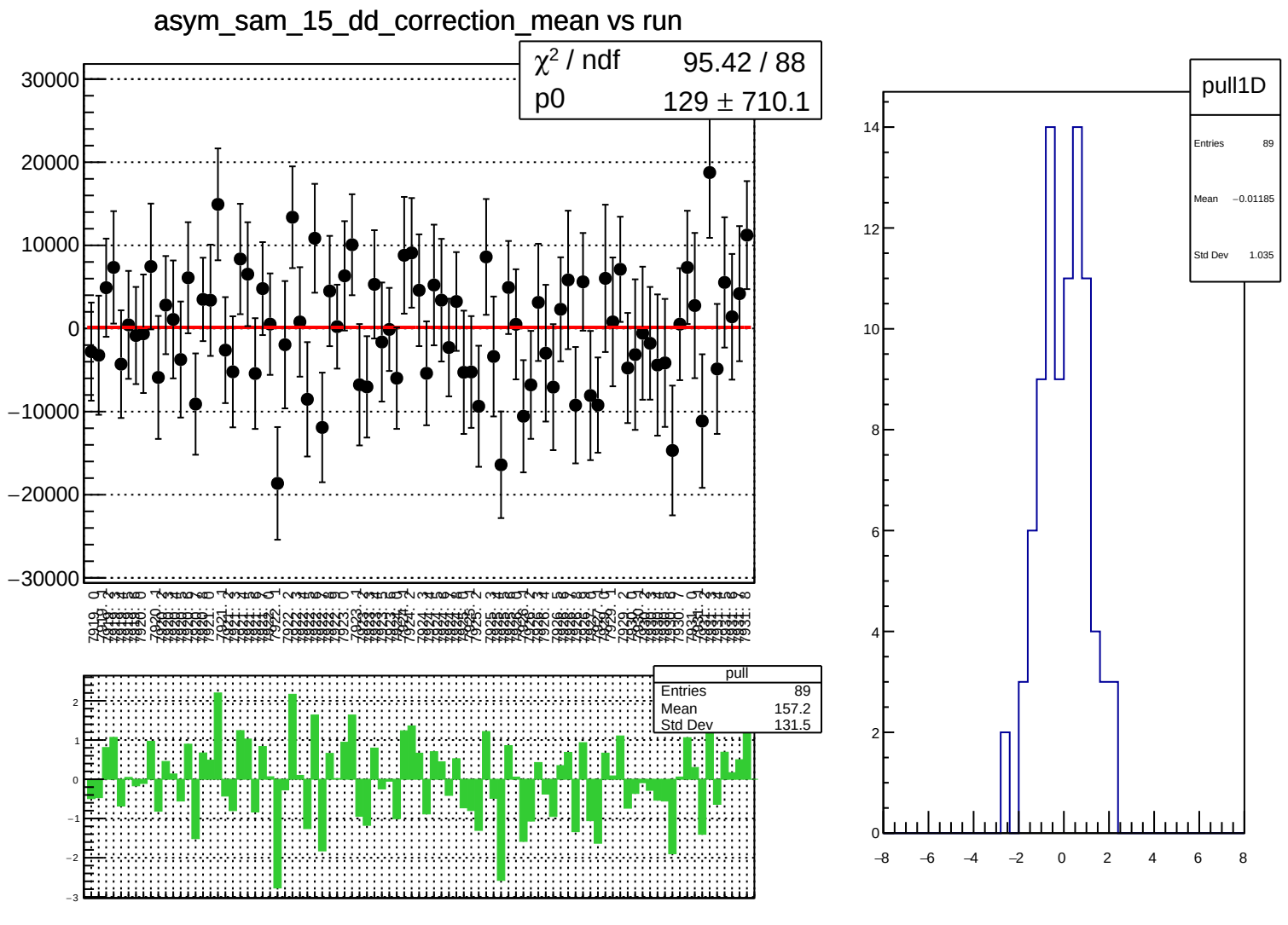

pull1D
Entries 89
Mean 0.00965
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

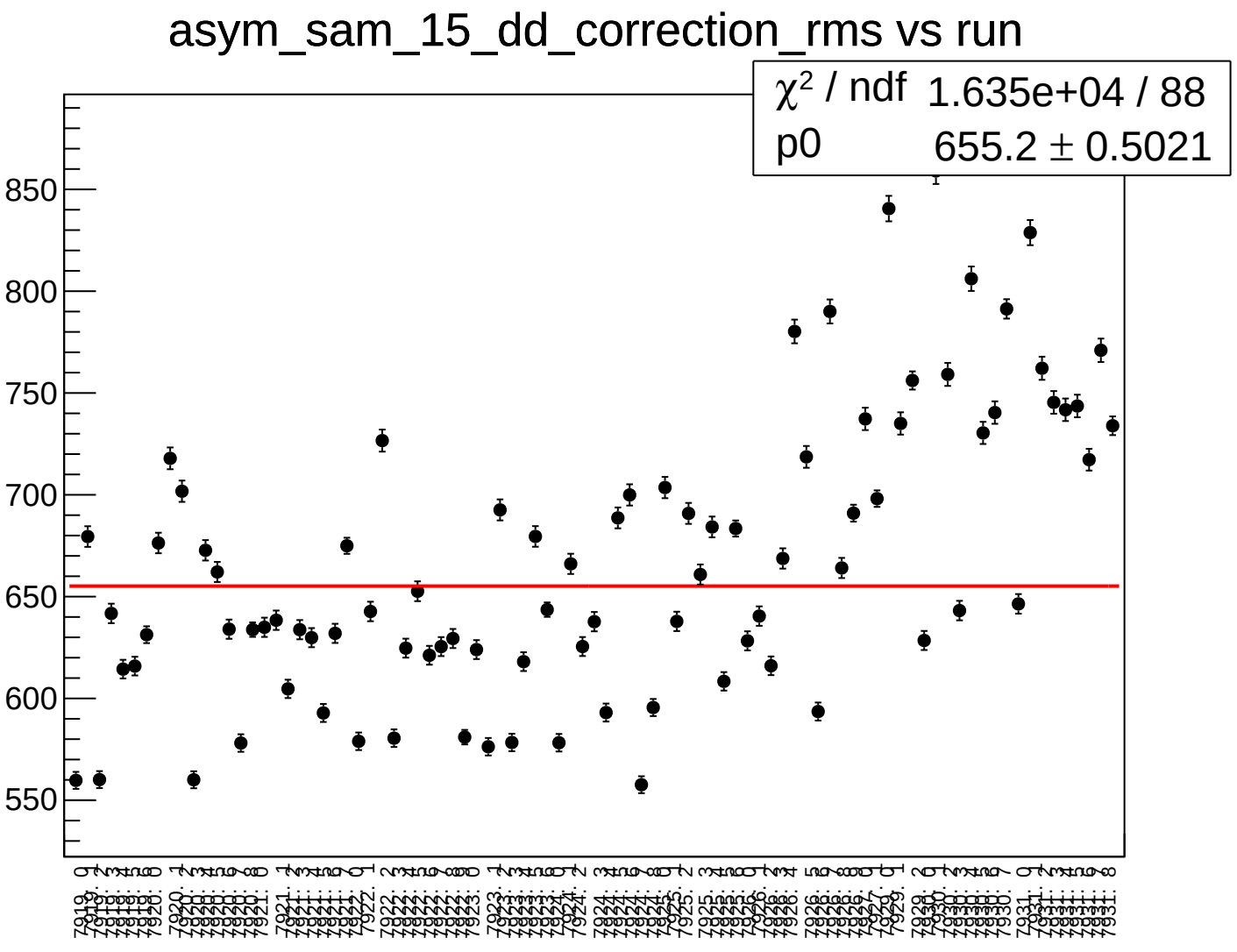

asym_sam_48_avg_rms vs run
χ² / ndf 2369 / 88
p0 2921 ± 2.229
3400
3300
3200
3100
3000
2900
2800
2700

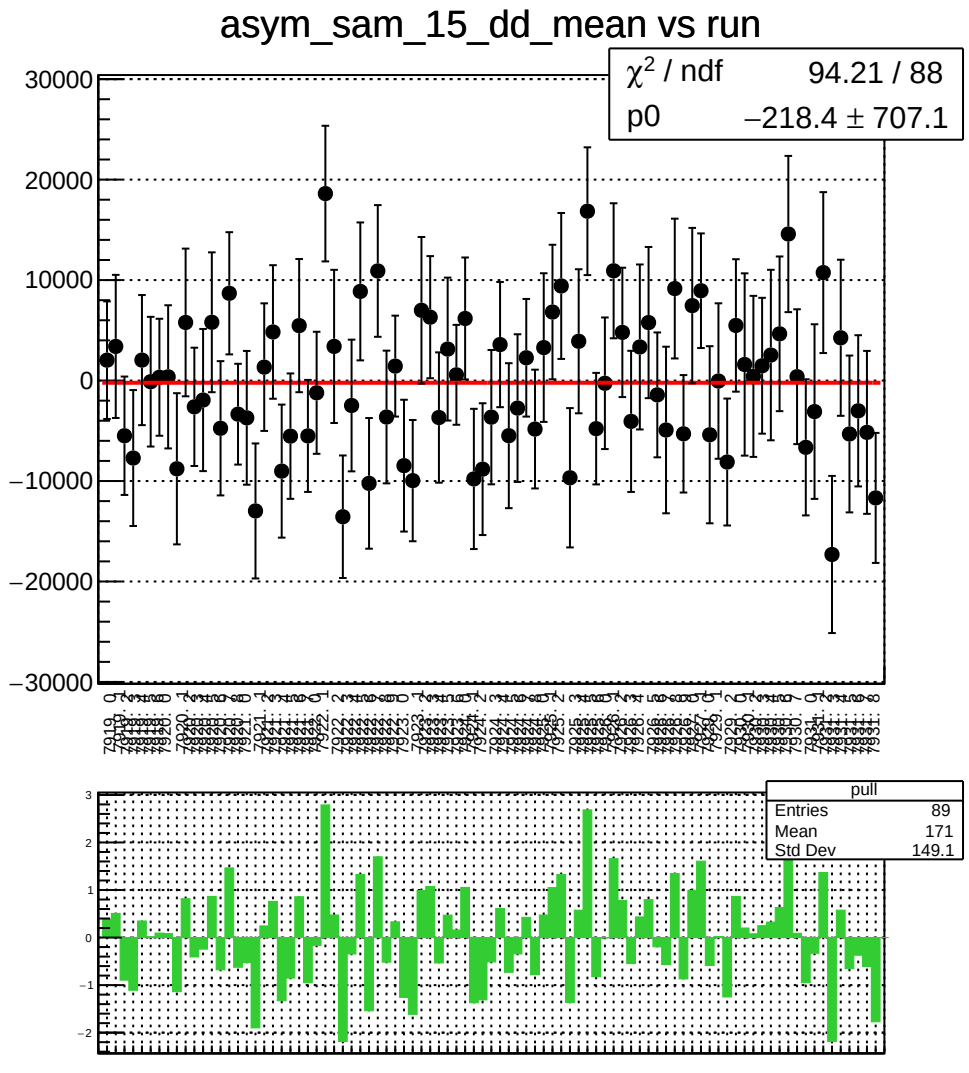

dit_asym_sam_15_dd_mean vs run
χ² / ndf 82.04 / 88
p0 −96.82 ± 105.4
pull
Entries 89
Mean 115.6
Std Dev 95.93

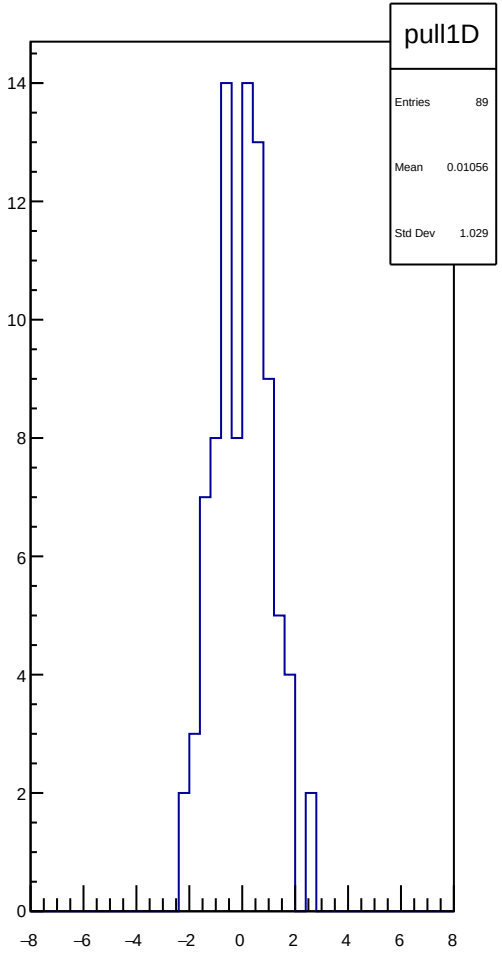

pull1D
Entries 89
Mean −0.005178
Std Dev 0.9601

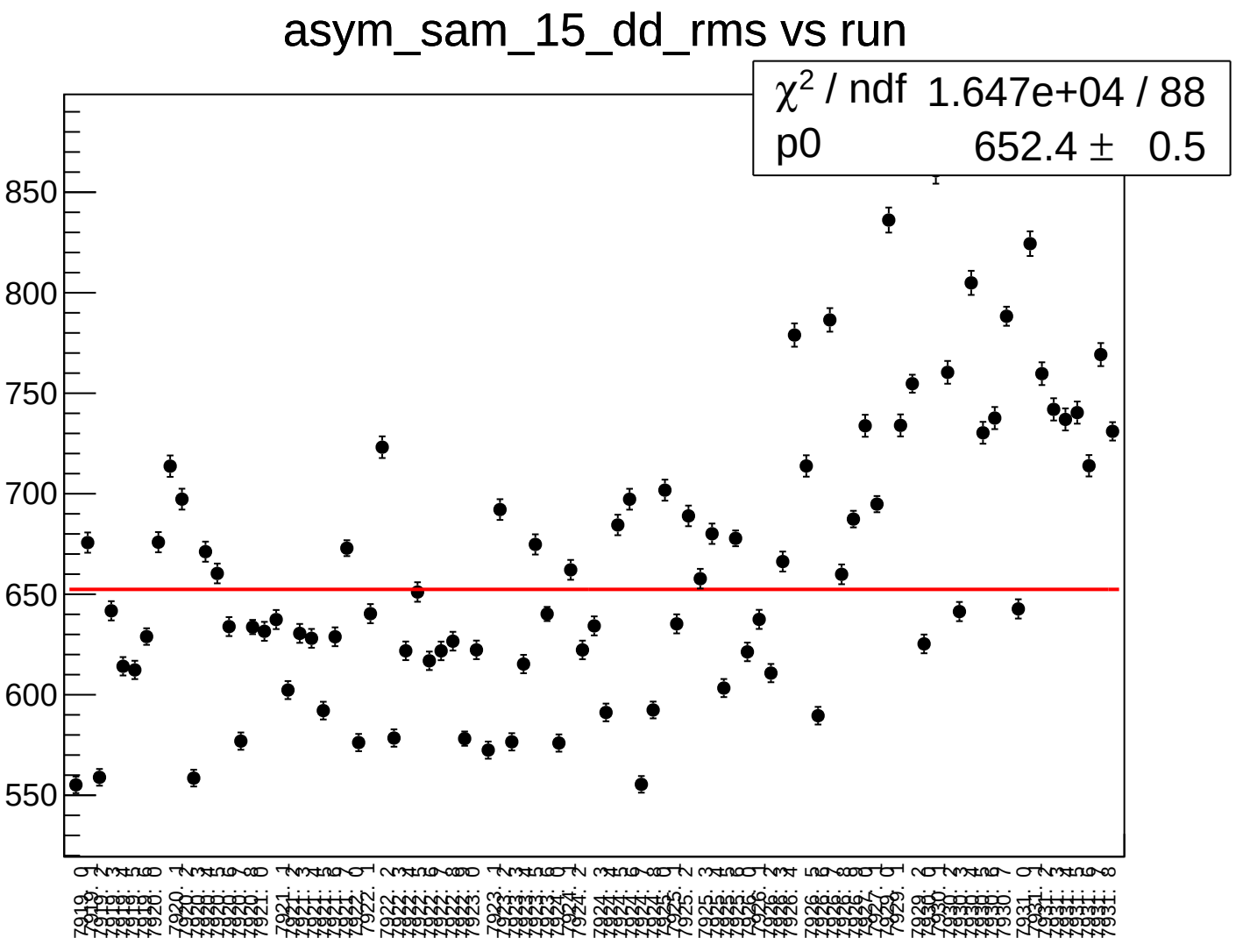

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 874.5 / 88
p0 97.67 ± 0.07451
104
102
100
98
96
94
92

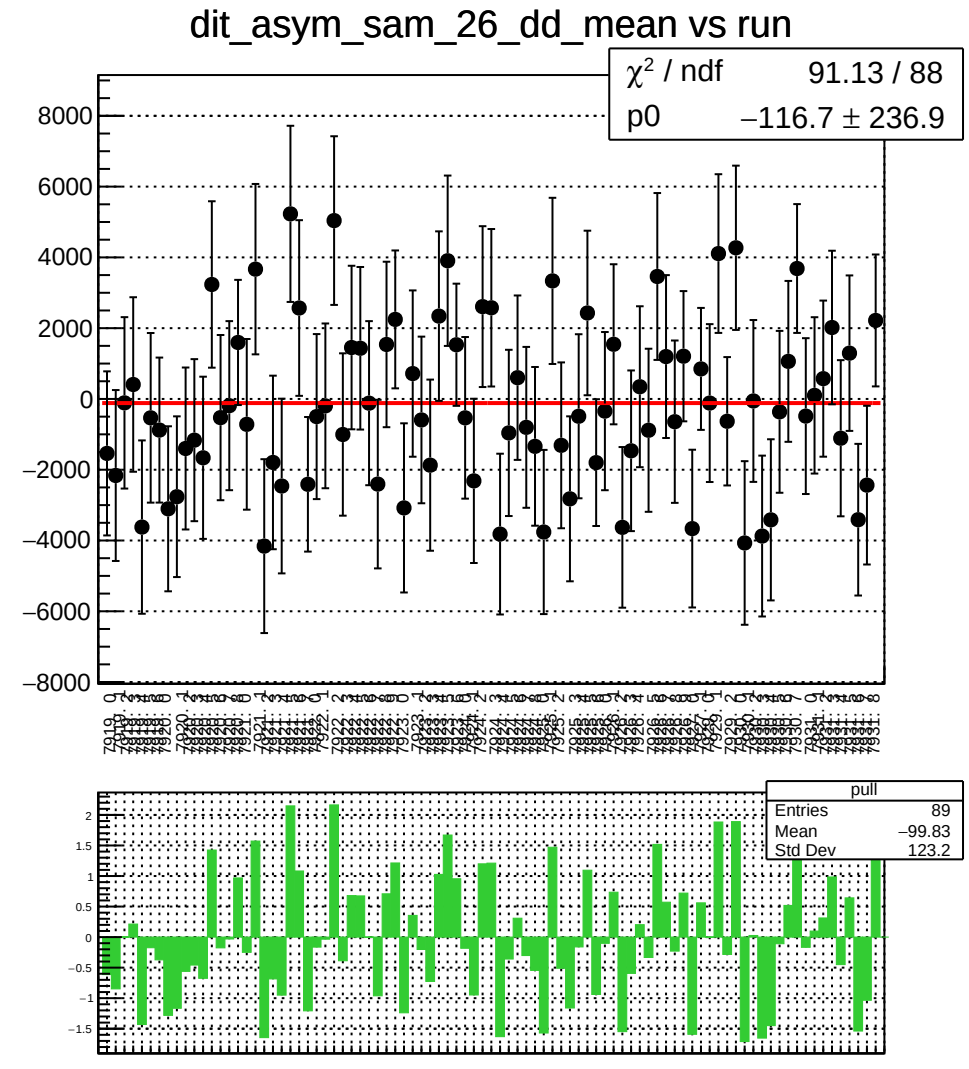

asym_sam_15_dd_correction_mean vs run
χ² / ndf 95.42 / 88
p0 129 ± 710.1
pull
Entries 89
Mean 157.2
Std Dev 131.5
pull1D
Entries 89
Mean −0.01185
Std Dev 1.035

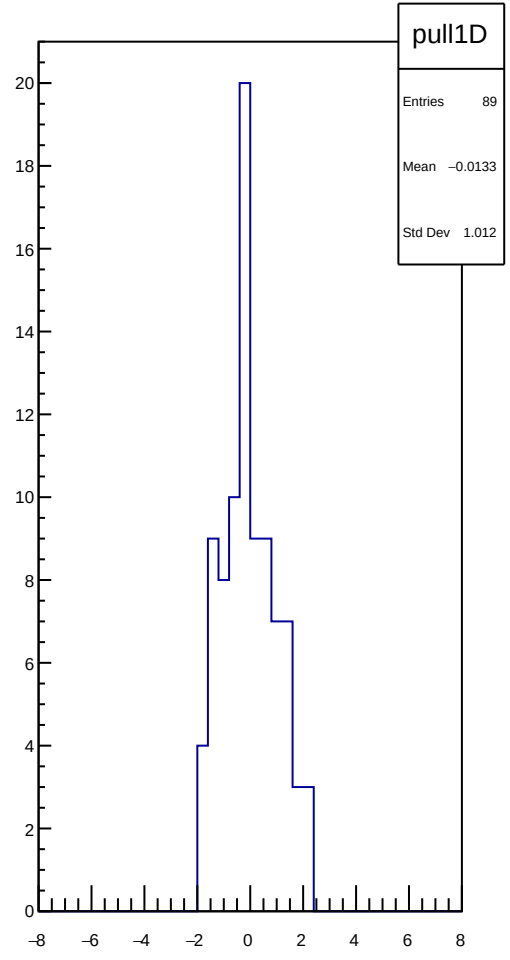

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.635e+04 / 88
p0 655.2 ± 0.5021
850
800
750
700
650
600
550

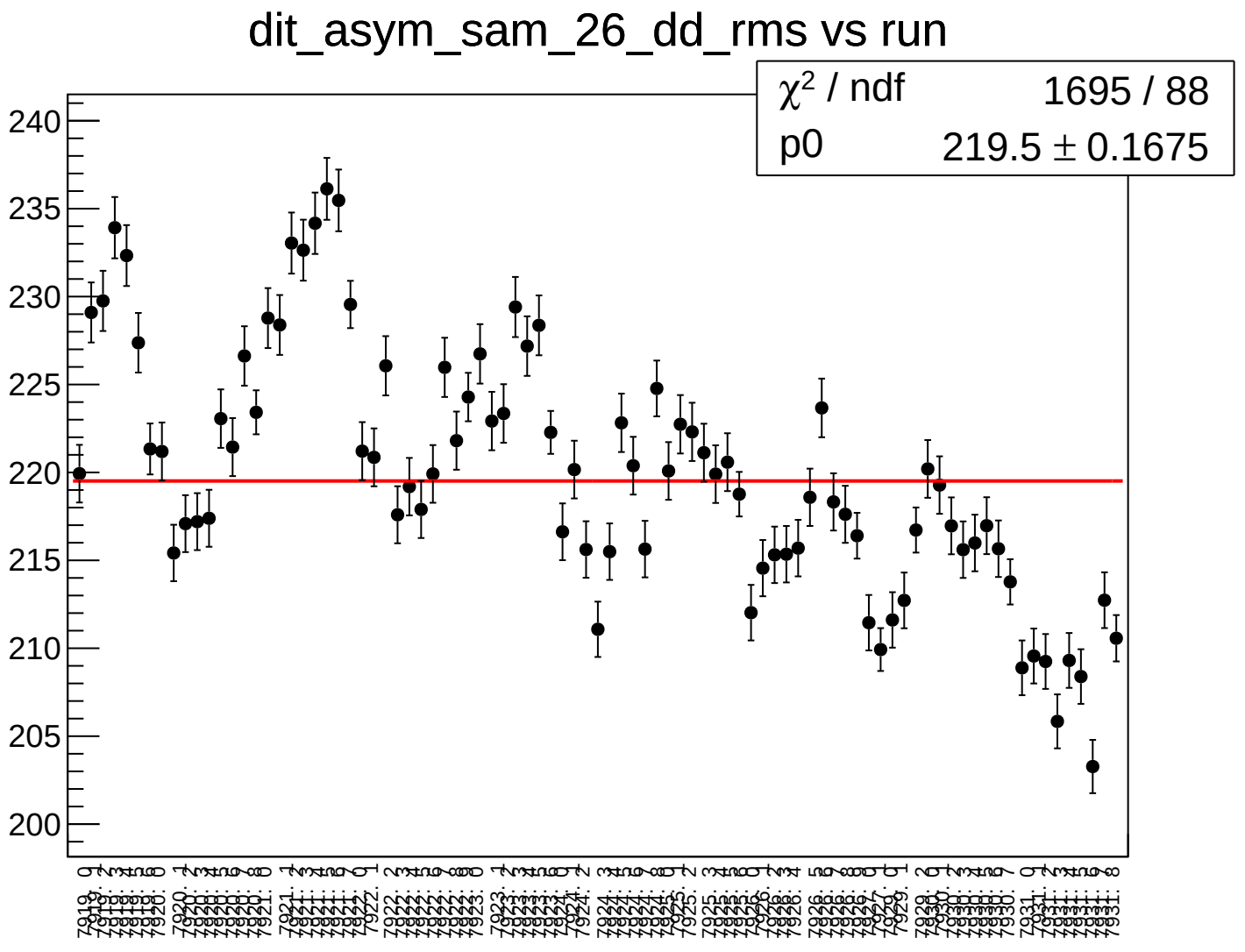

asym_sam_15_dd_mean vs run
χ² / ndf 94.21 / 88
p0 −218.4 ± 707.1
pull
Entries 89
Mean 171
Std Dev 149.1

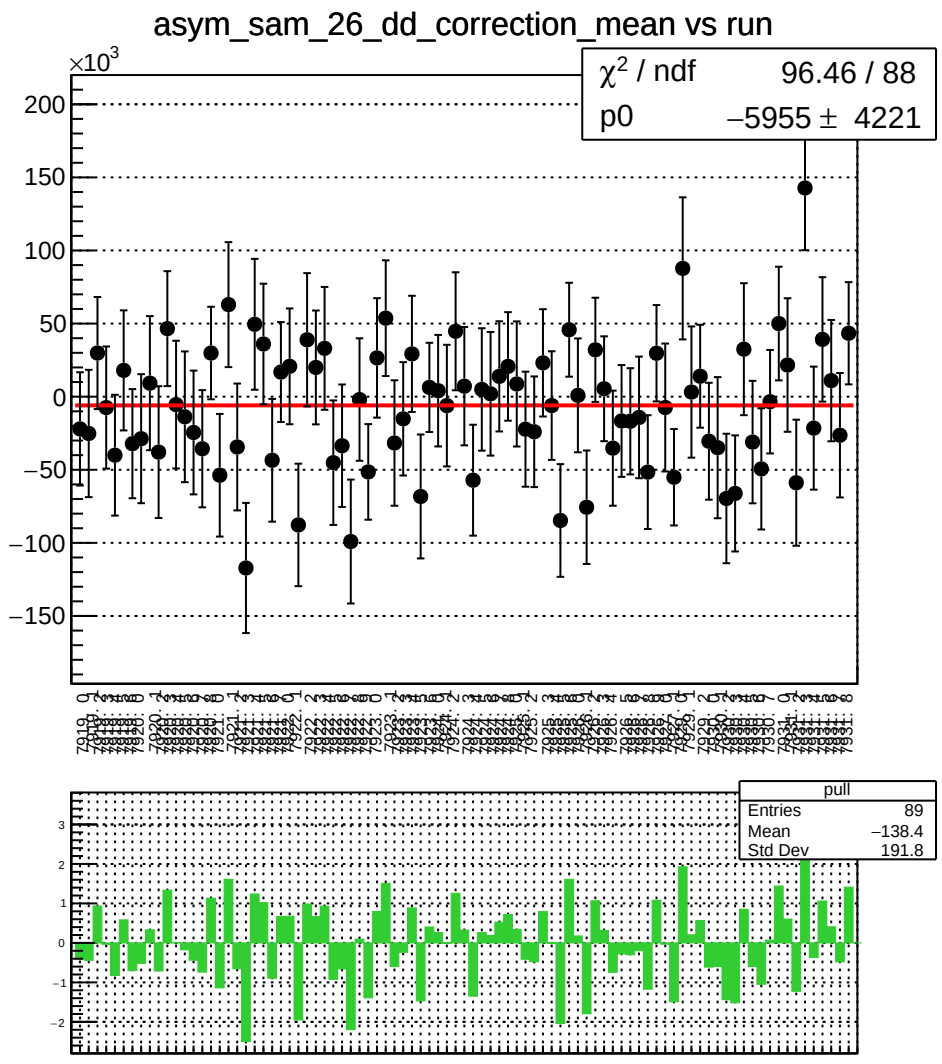

pull1D
Entries 89
Mean 0.01056
Std Dev 1.029

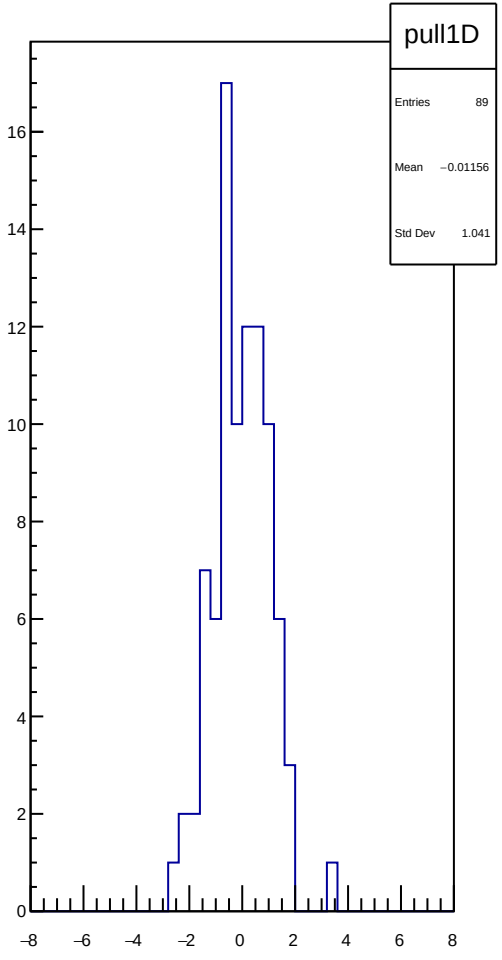

asym_sam_15_dd_rms vs run
χ² / ndf 1.647e+04 / 88
p0 652.4 ± 0.5
850
800
750
700
650
600
550

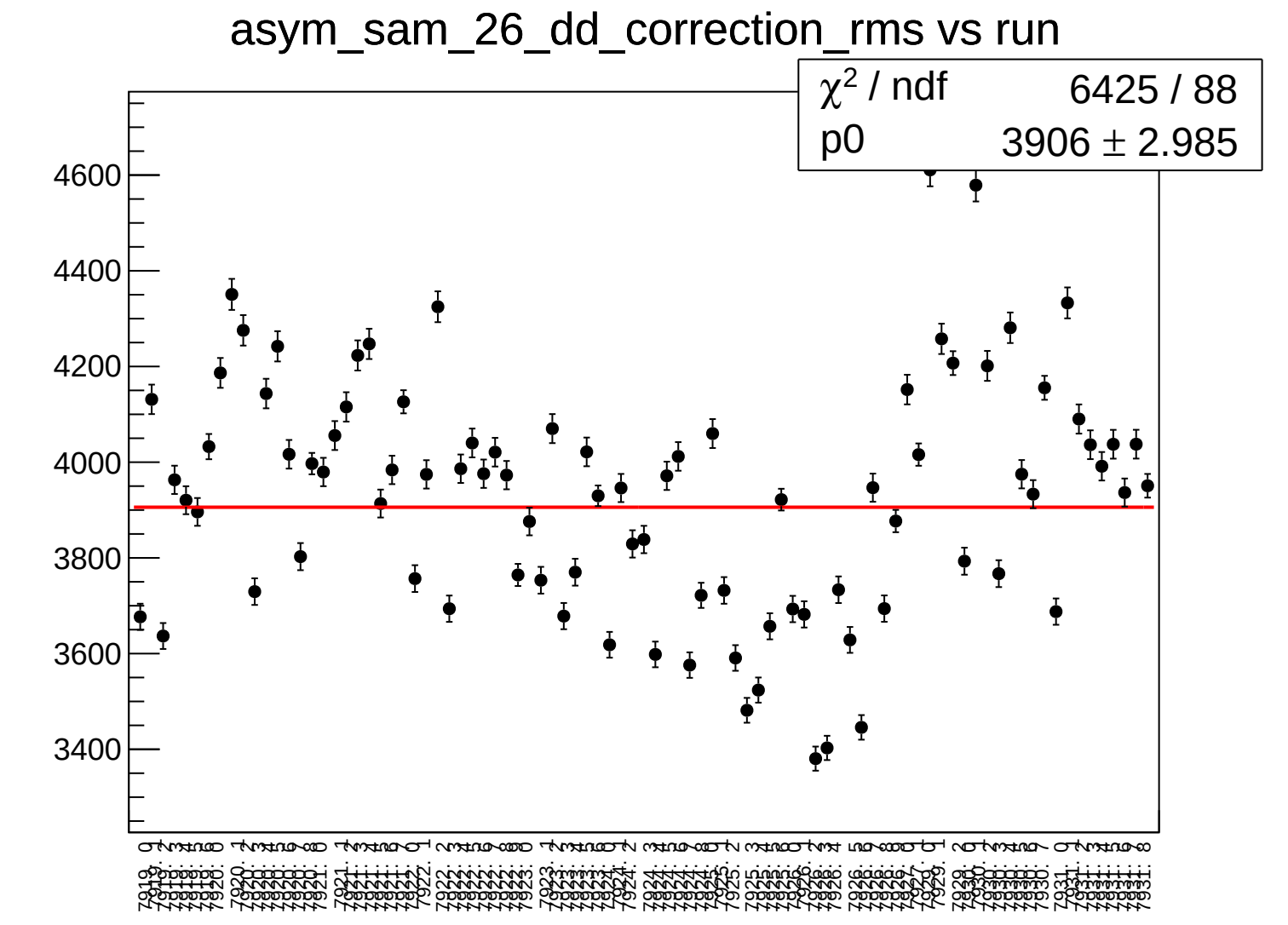

dit_asym_sam_26_dd_mean vs run
χ² / ndf 91.13 / 88
p0 −116.7 ± 236.9
pull
Entries 89
Mean −99.83
Std Dev 123.2

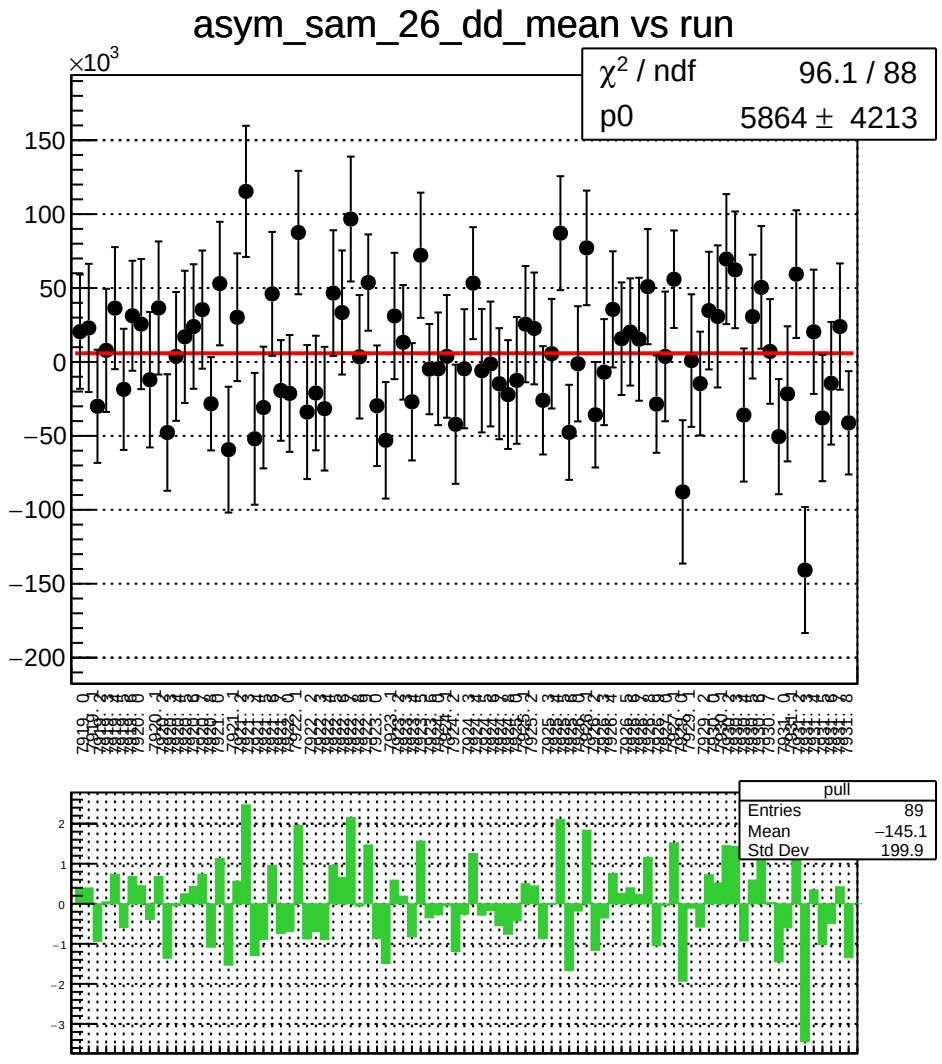

pull1D
Entries 89
Mean −0.0133
Std Dev 1.012

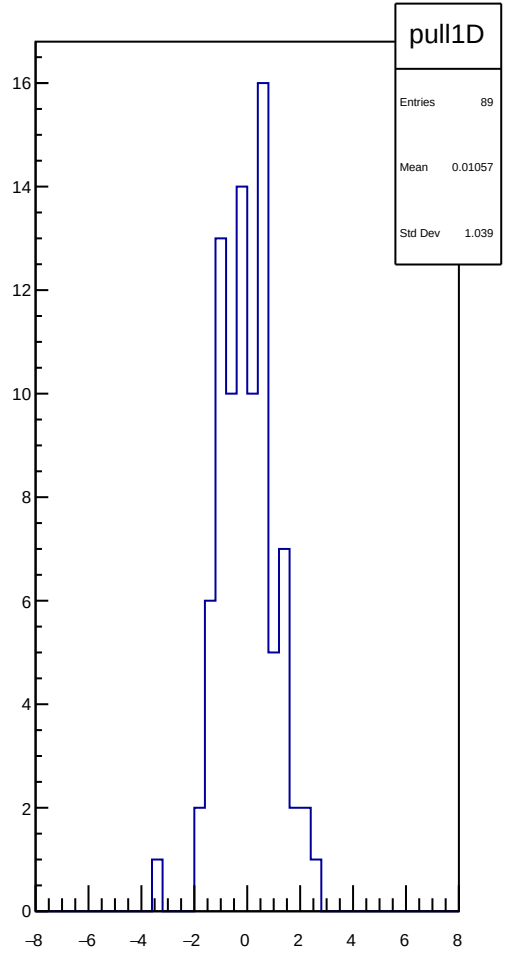

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1695 / 88
p0 219.5 ± 0.1675
240
235
230
225
220
215
210
205
200

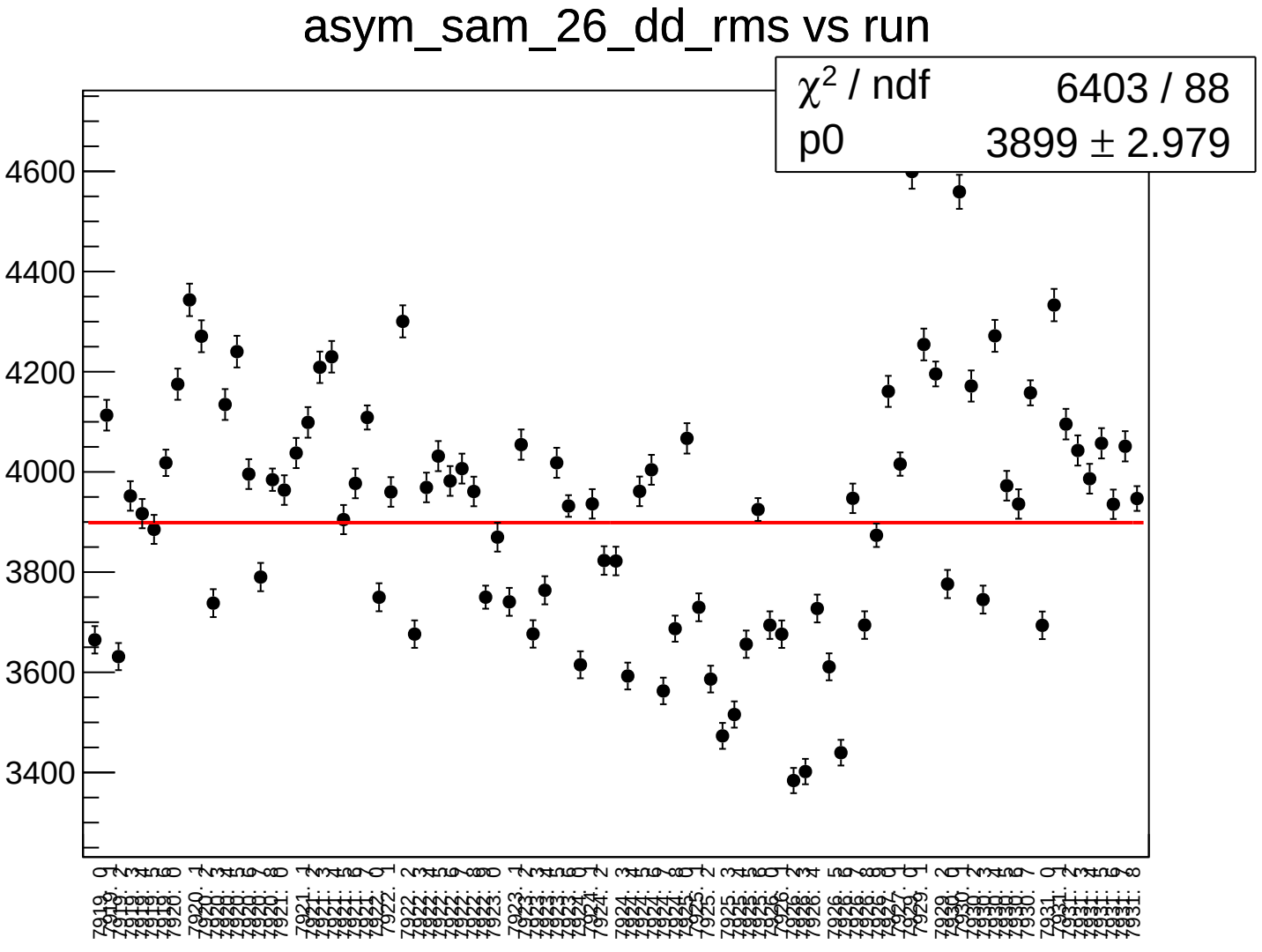

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 96.46 / 88
p0 −5955 ± 4221
200
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −138.4
Std Dev 191.8
3
2
1
0
−1
−2

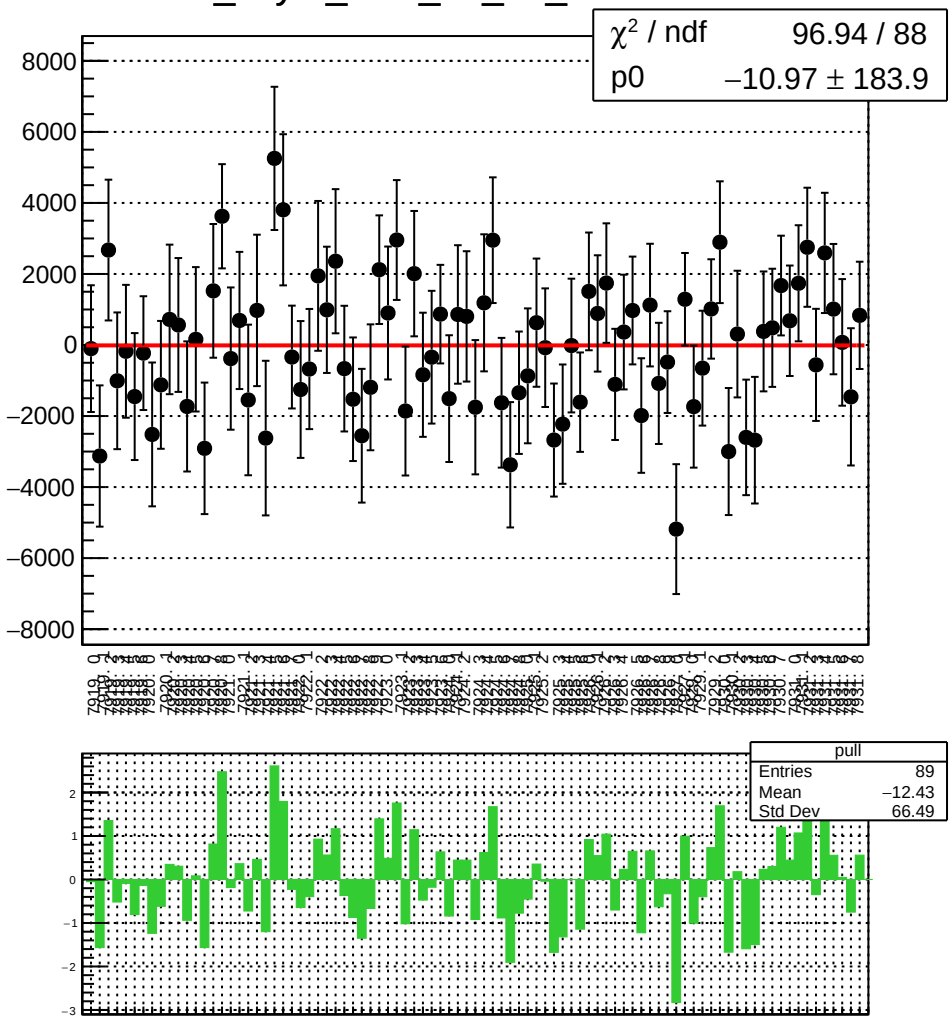

pull1D
Entries 89
Mean −0.01156
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

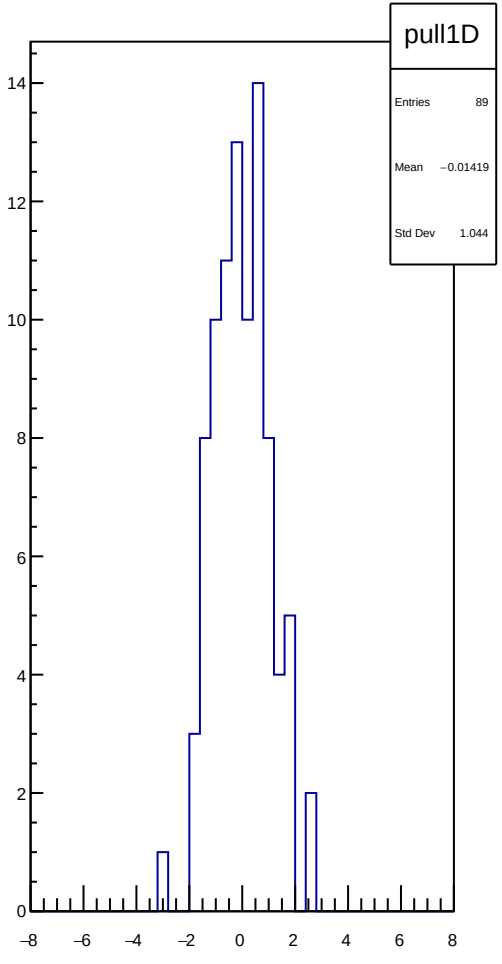

asym_sam_26_dd_correction_rms vs run
χ² / ndf 6425 / 88
p0 3906 ± 2.985
4600
4400
4200
4000
3800
3600
3400

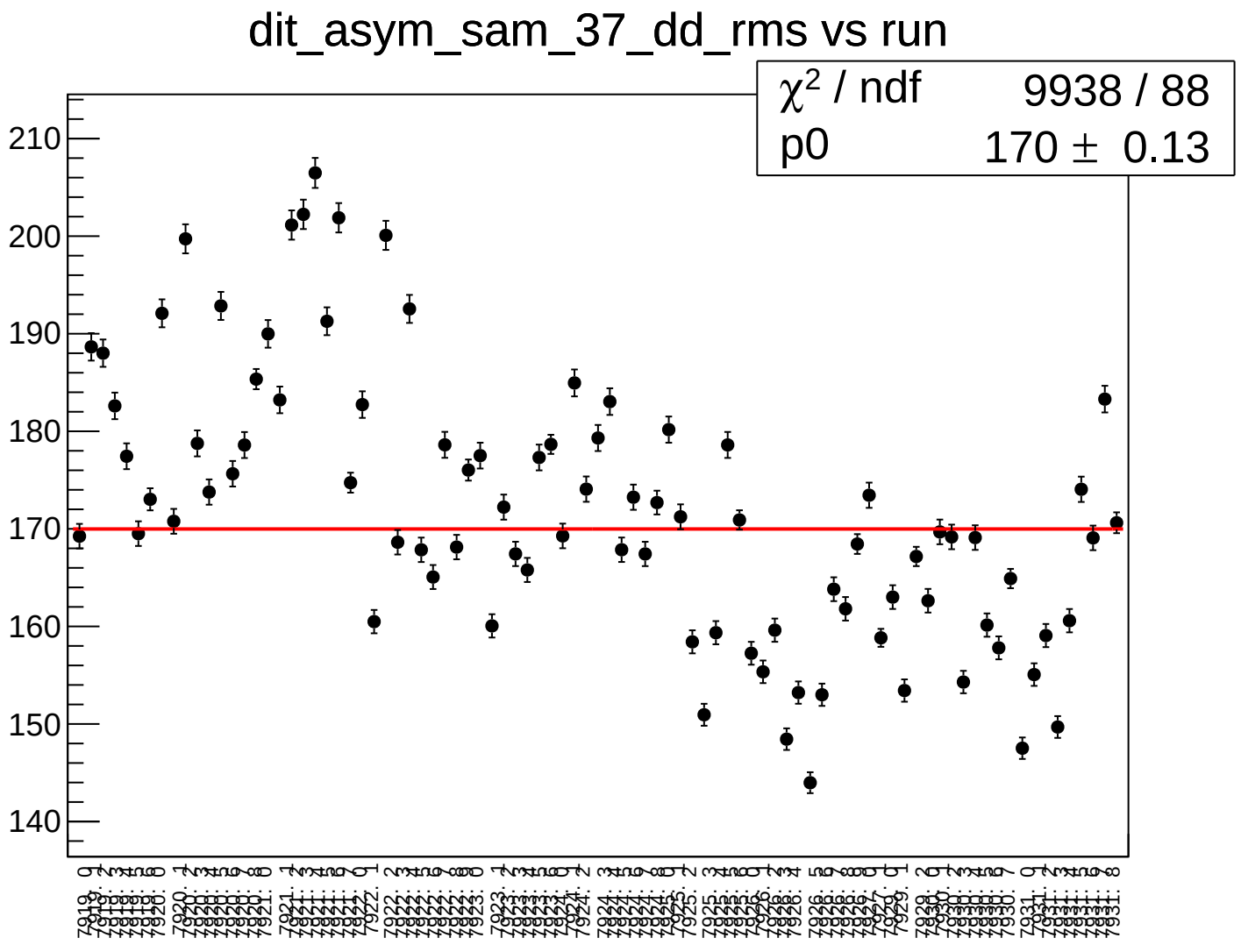

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 96.1 / 88
p0 5864 ± 4213
150
100
50
0
−50
−100
−150
−200
pull
Entries 89
Mean −145.1
Std Dev 199.9
2
1
0
−1
−2
−3

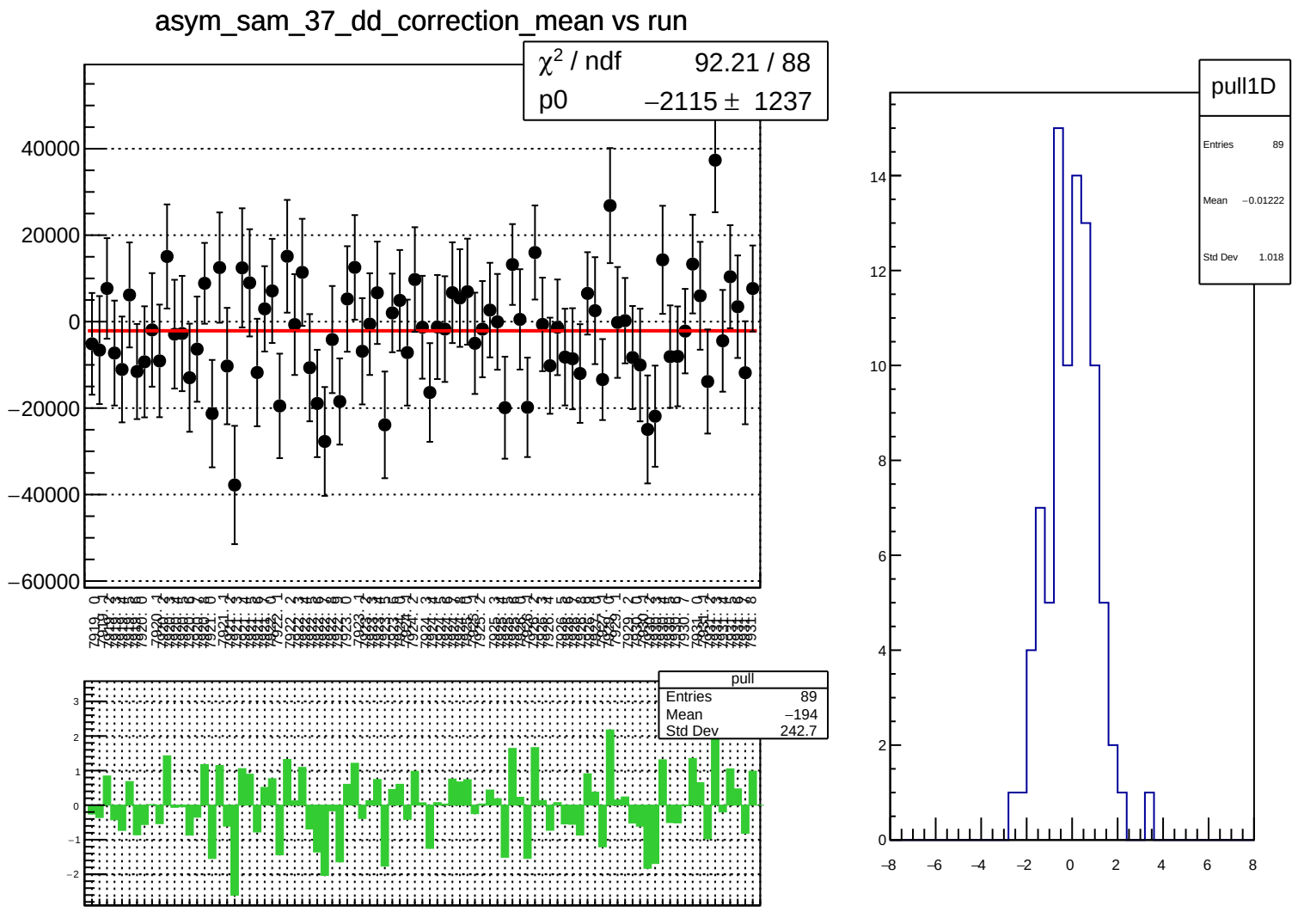

pull1D
Entries 89
Mean 0.01057
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

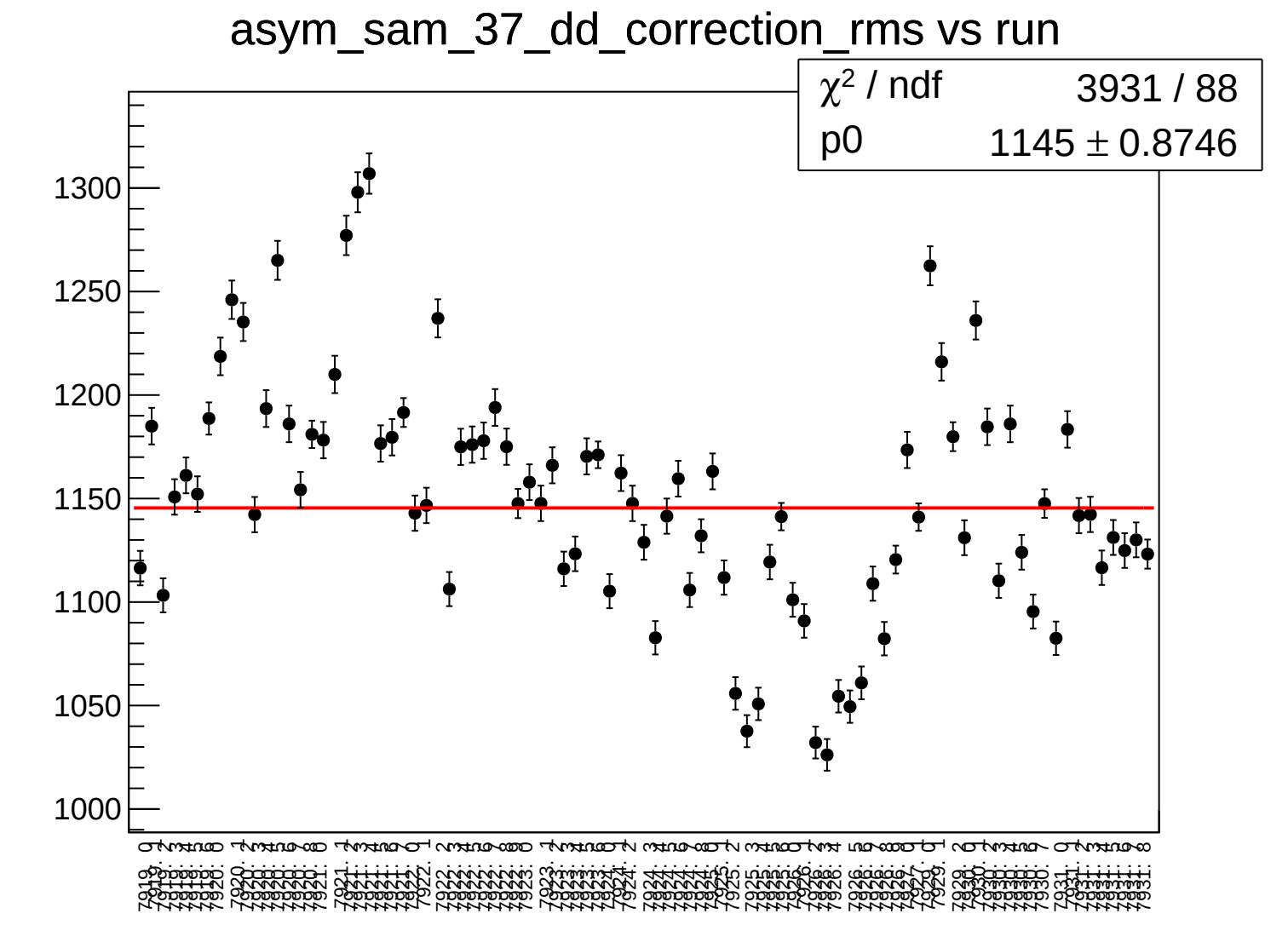

asym_sam_26_dd_rms vs run
χ² / ndf 6403 / 88
p0 3899 ± 2.979
4600
4400
4200
4000
3800
3600
3400

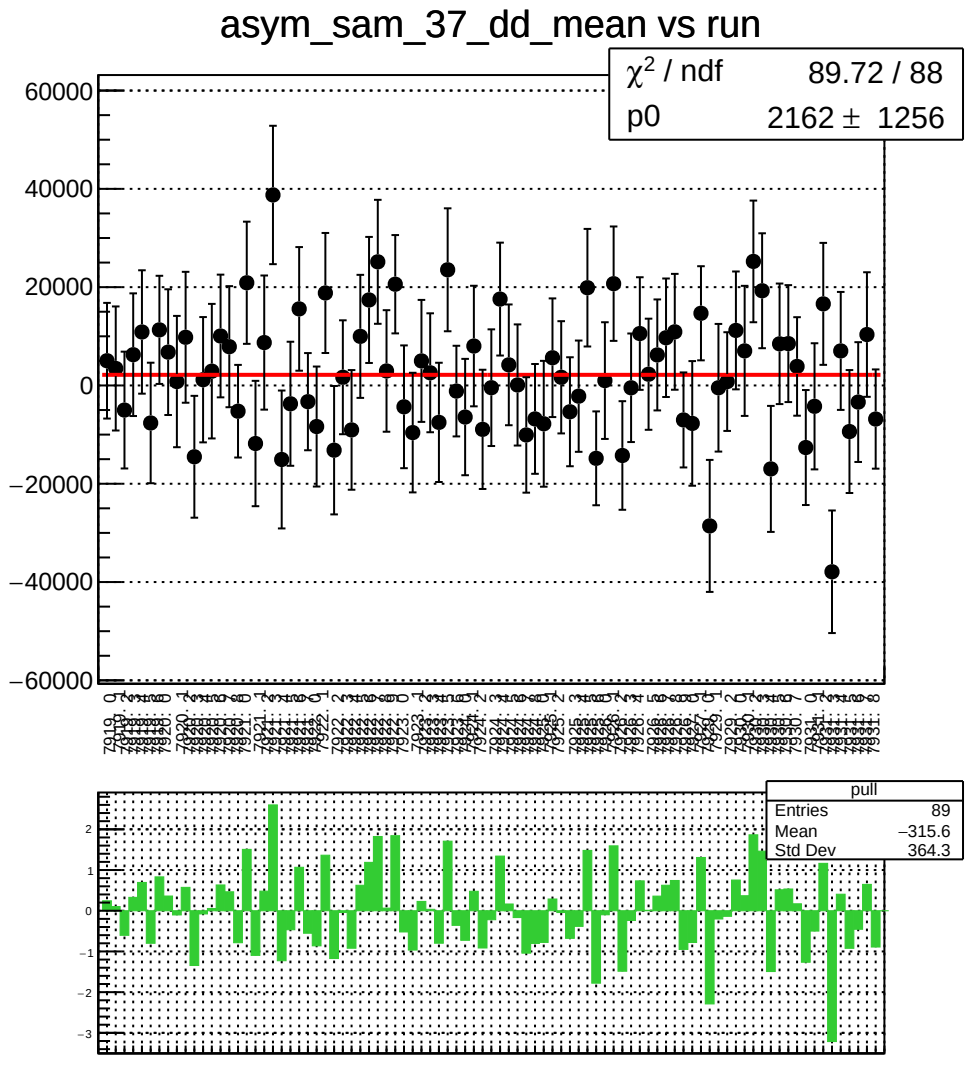

dit_asym_sam_37_dd_mean vs run
χ² / ndf 96.94 / 88
p0 −10.97 ± 183.9
pull
Entries 89
Mean −12.43
Std Dev 66.49

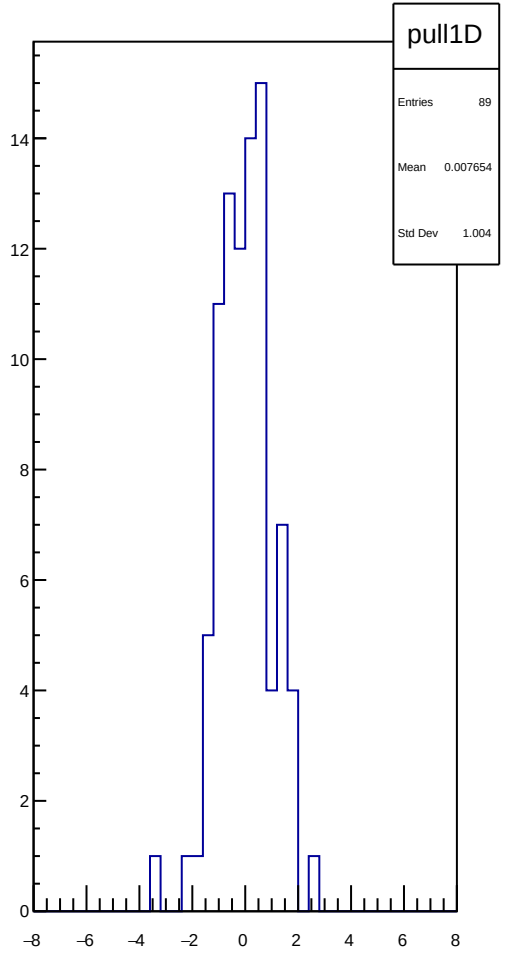

pull1D
Entries 89
Mean −0.01419
Std Dev 1.044

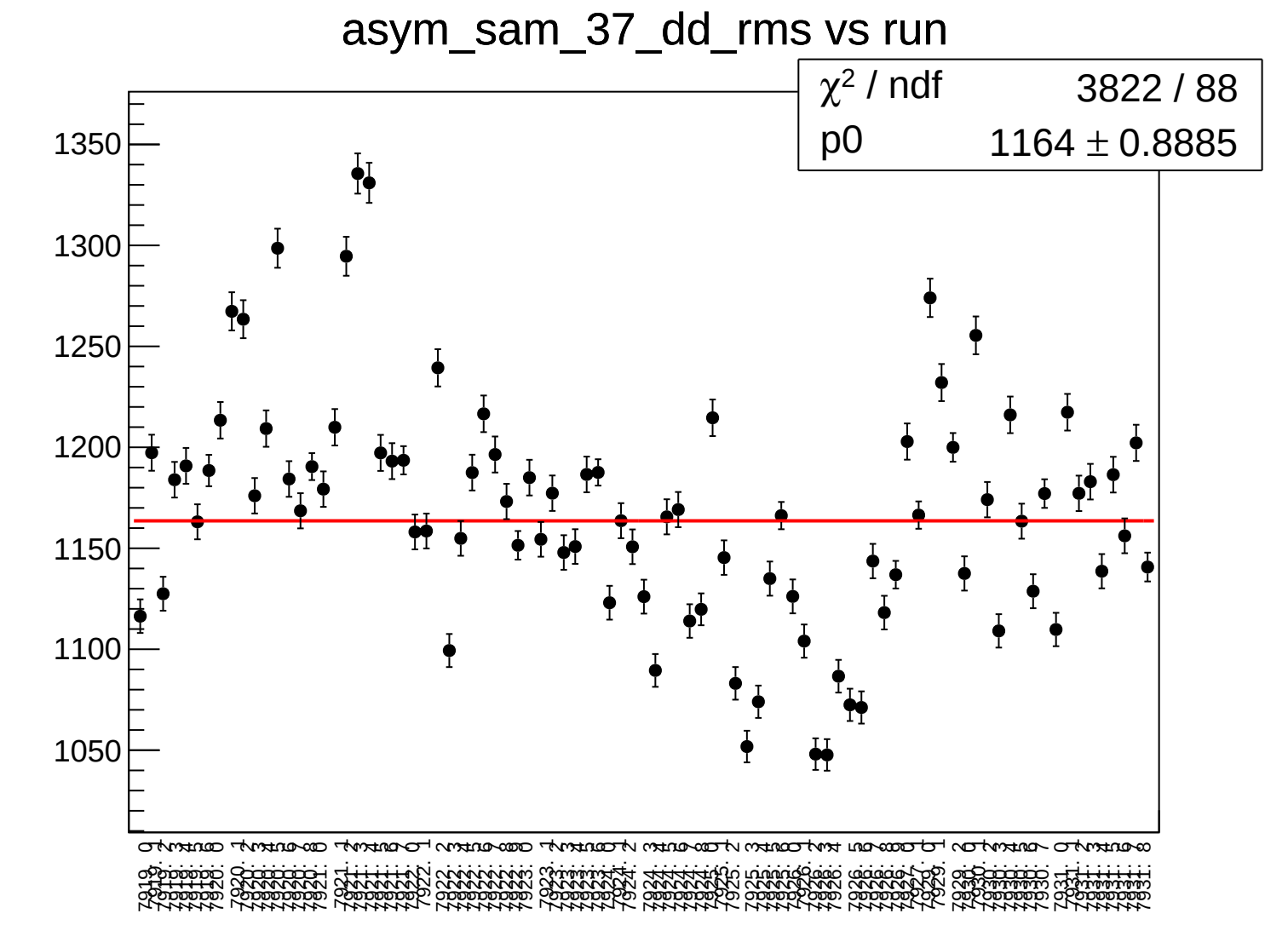

dit_asym_sam_37_dd_rms vs run
χ² / ndf 9938 / 88
p0 170 ± 0.13
210
200
190
180
170
160
150
140

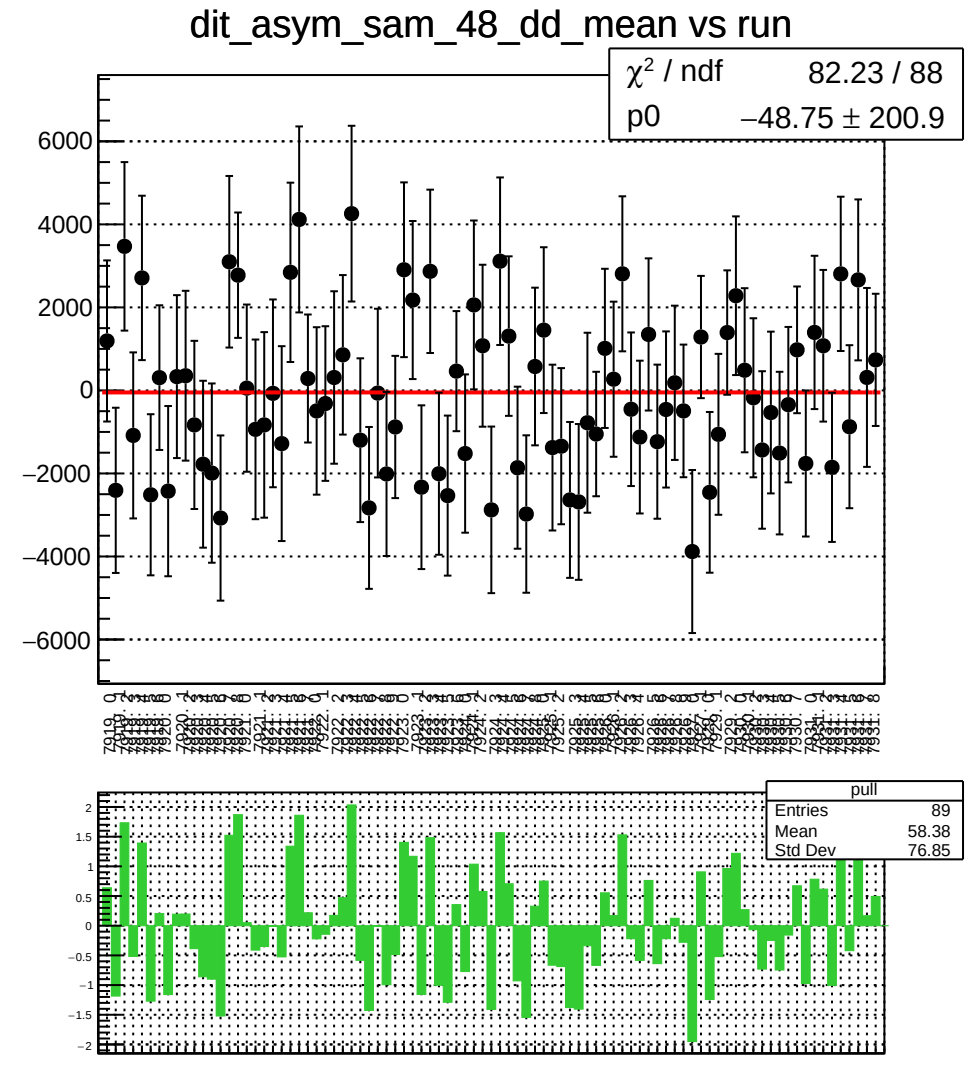

asym_sam_37_dd_correction_mean vs run
χ² / ndf 92.21 / 88
p0 −2115 ± 1237
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −194
Std Dev 242.7
3
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.01222
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

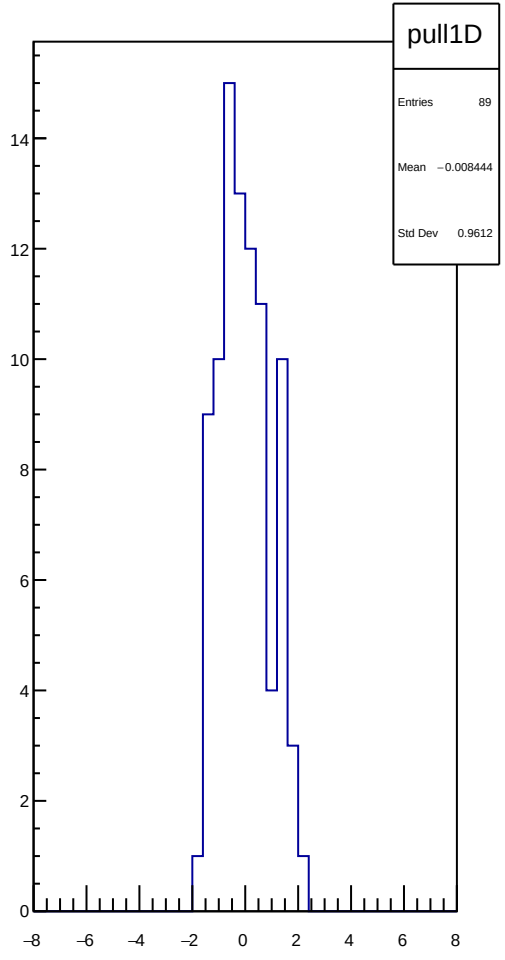

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3931 / 88
p0 1145 ± 0.8746
1300
1250
1200
1150
1100
1050
1000

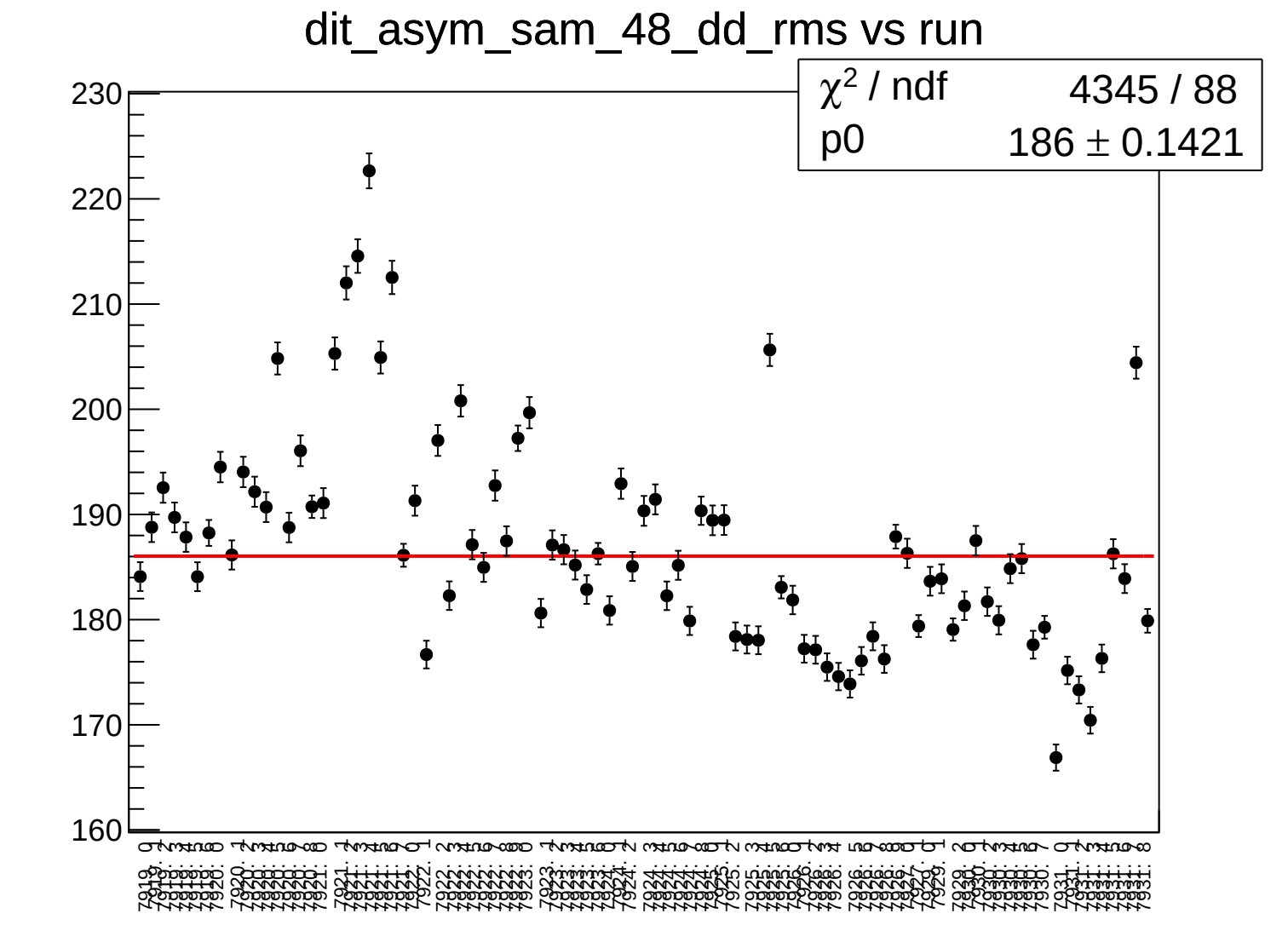

asym_sam_37_dd_mean vs run
χ² / ndf 89.72 / 88
p0 2162 ± 1256
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −315.6
Std Dev 364.3
2
1
0
−1
−2
−3

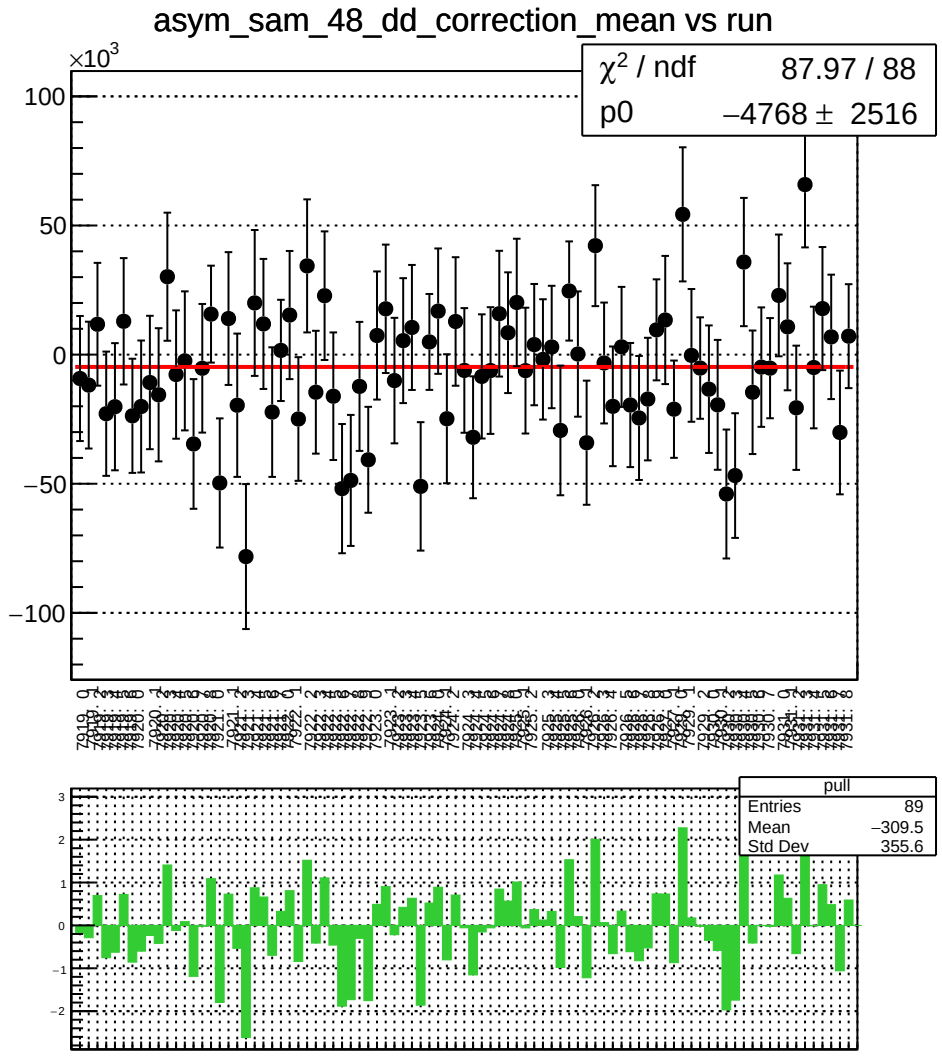

pull1D
Entries 89
Mean 0.007654
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

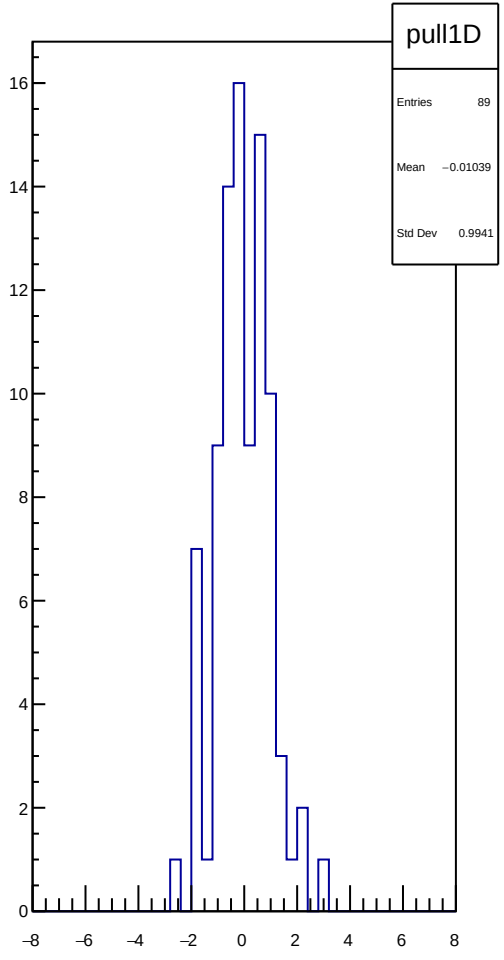

asym_sam_37_dd_rms vs run
χ² / ndf 3822 / 88
p0 1164 ± 0.8885
1350
1300
1250
1200
1150
1100
1050

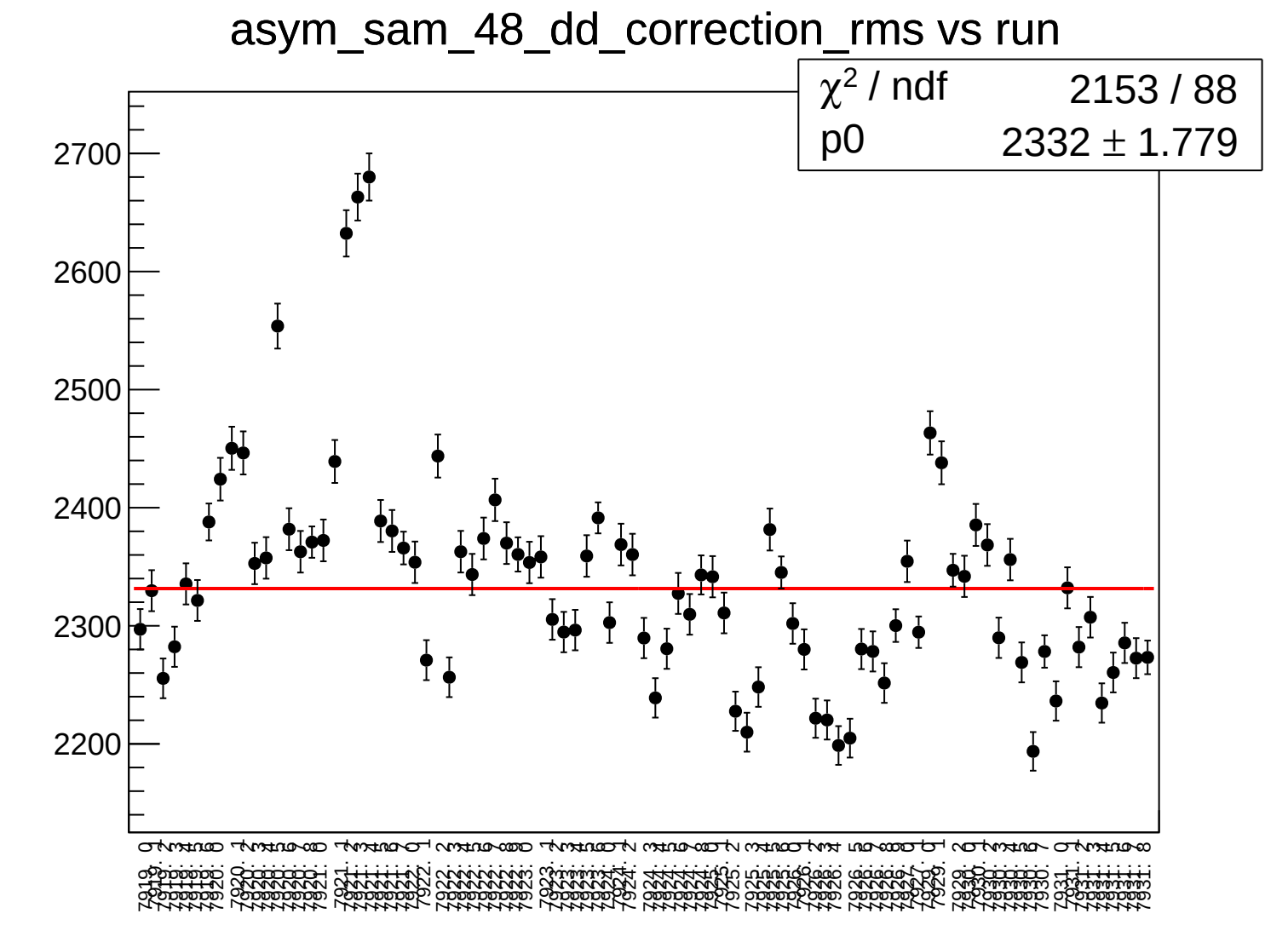

dit_asym_sam_48_dd_mean vs run
χ² / ndf 82.23 / 88
p0 −48.75 ± 200.9
pull
Entries 89
Mean 58.38
Std Dev 76.85

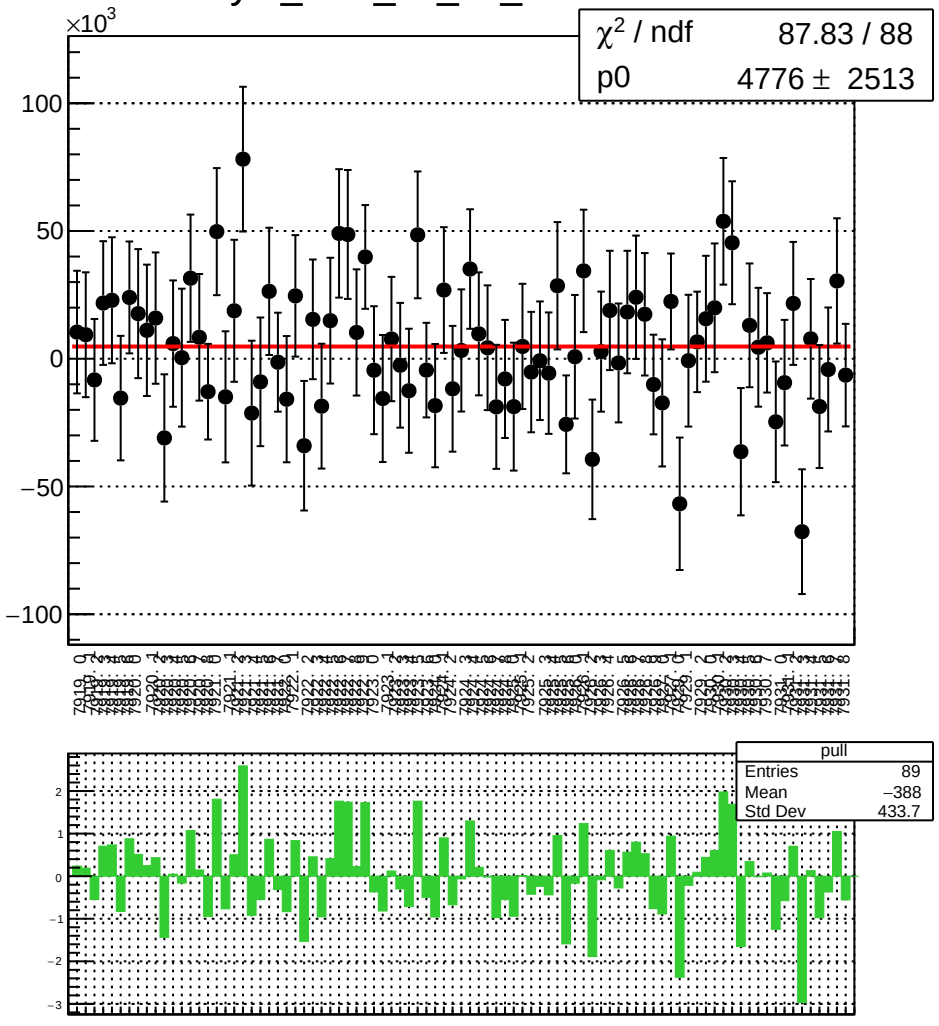

pull1D
Entries 89
Mean −0.008444
Std Dev 0.9612

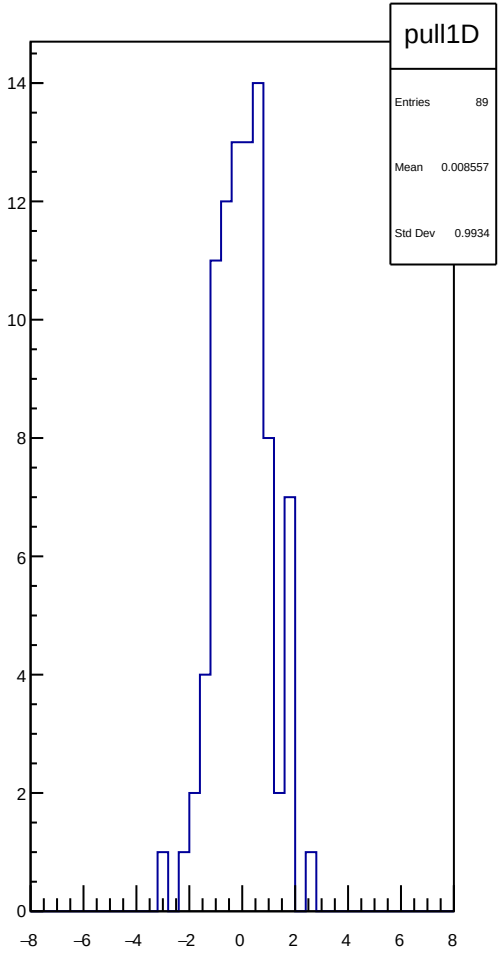

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 4345 / 88
p0 186 ± 0.1421
230
220
210
200
190
180
170
160

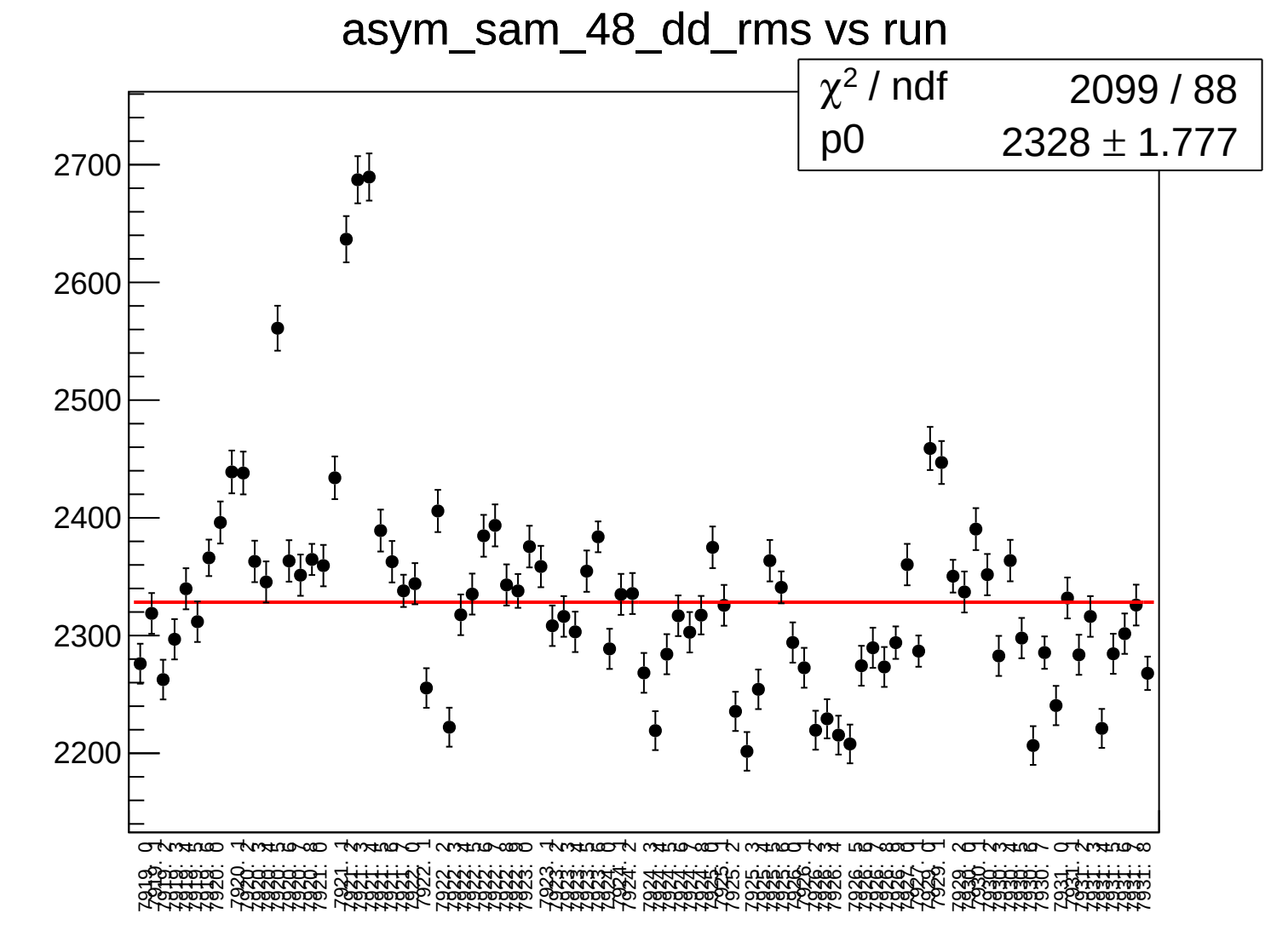

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 87.97 / 88
p0 −4768 ± 2516
100
50
0
−50
−100
pull
Entries 89
Mean −309.5
Std Dev 355.6
3
2
1
0
−1
−2

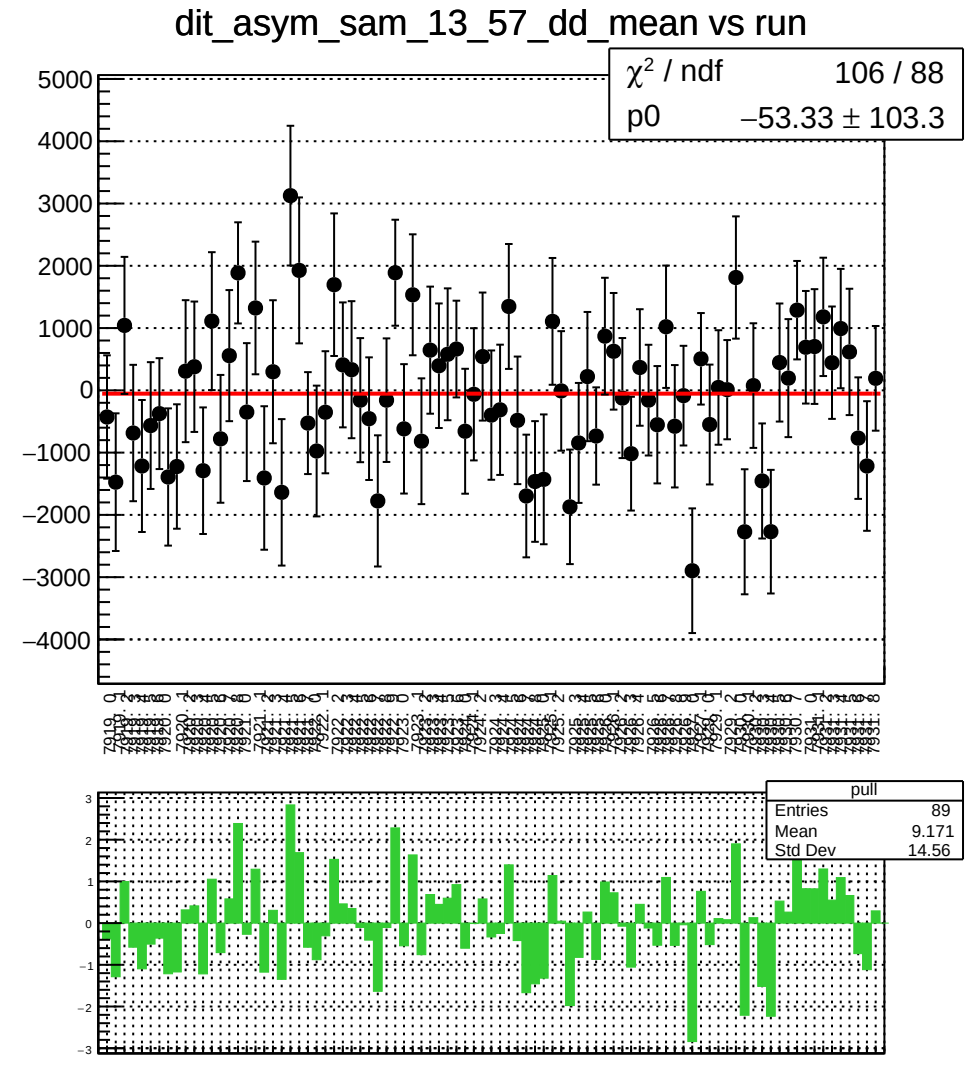

pull1D
Entries 89
Mean −0.01039
Std Dev 0.9941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

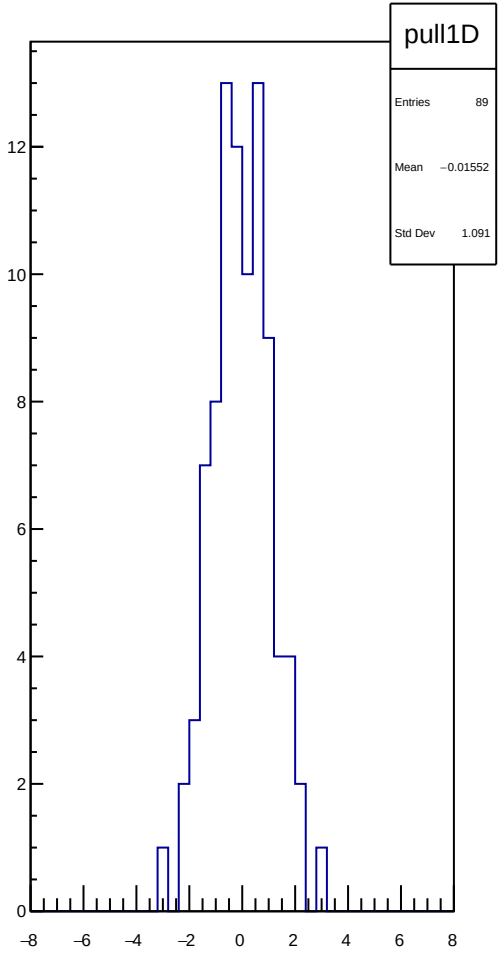

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2153 / 88
p0 2332 ± 1.779
2700
2600
2500
2400
2300
2200

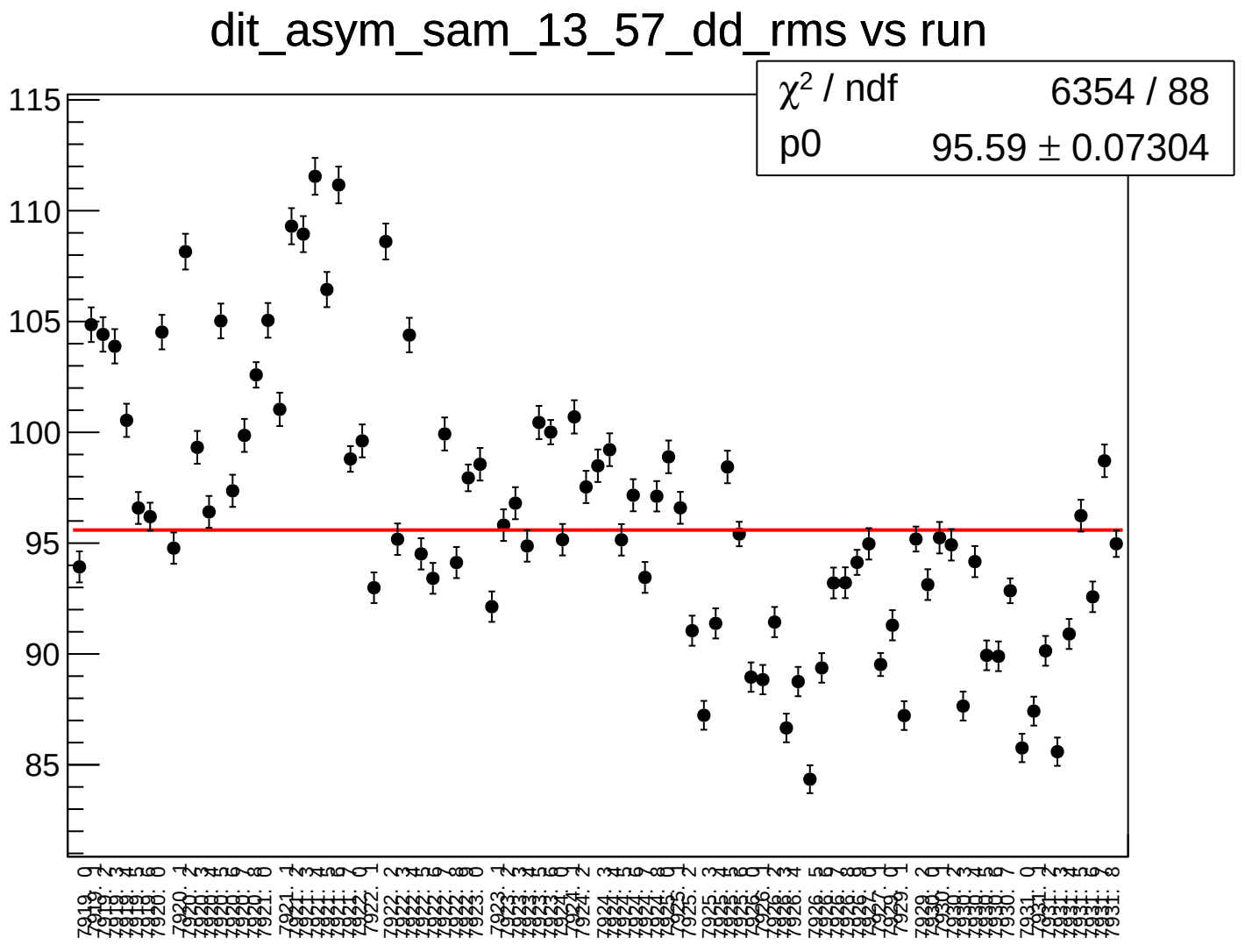

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 87.83 / 88
p0 4776 ± 2513
100
50
0
−50
−100
pull
Entries 89
Mean −388
Std Dev 433.7
2
1
0
−1
−2
−3

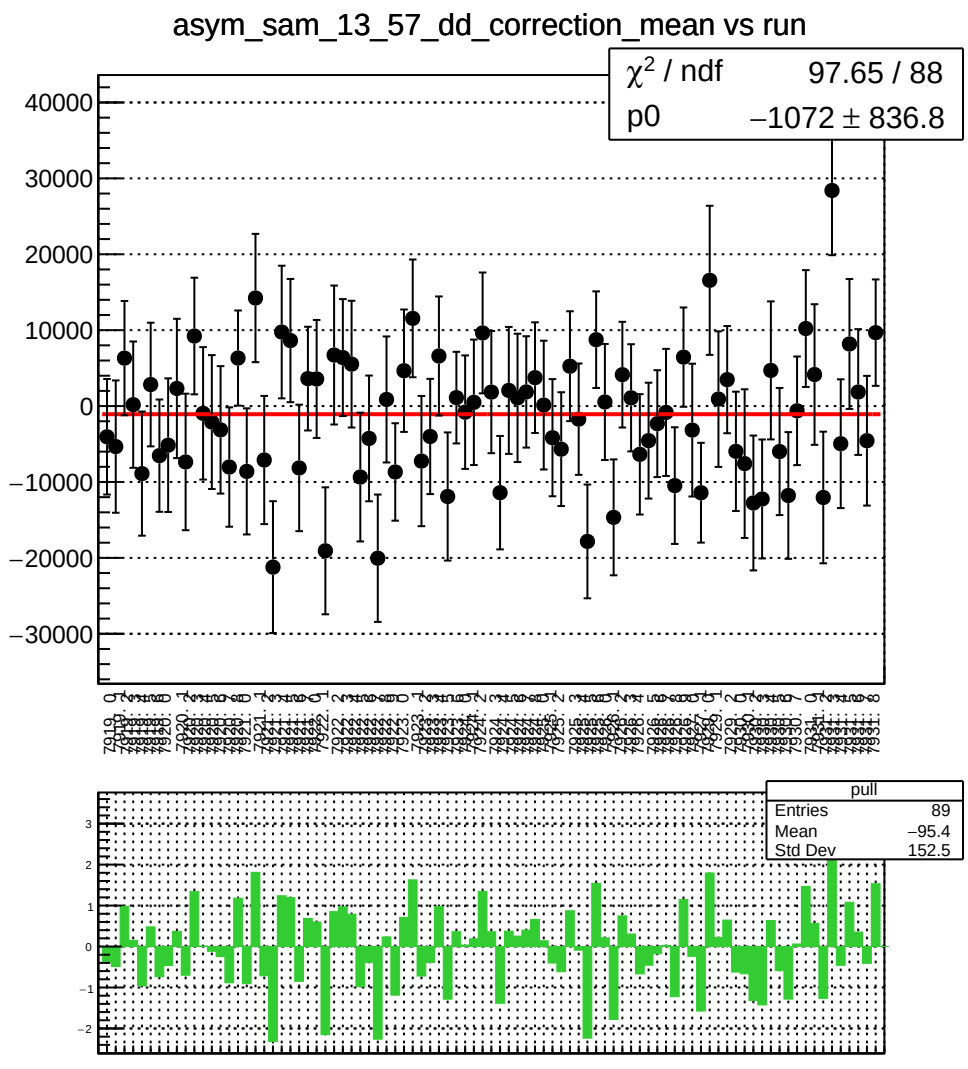

pull1D
Entries 89
Mean 0.008557
Std Dev 0.9934
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

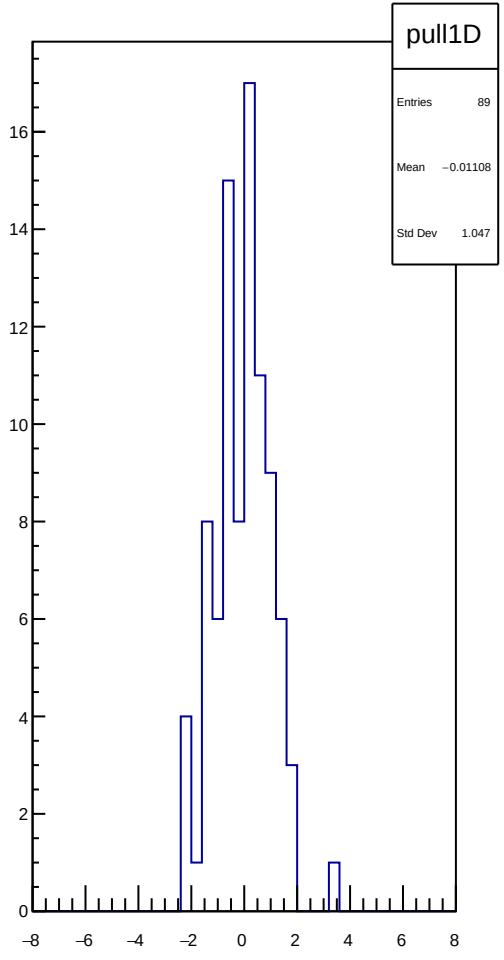

asym_sam_48_dd_rms vs run
χ² / ndf 2099 / 88
p0 2328 ± 1.777
2700
2600
2500
2400
2300
2200

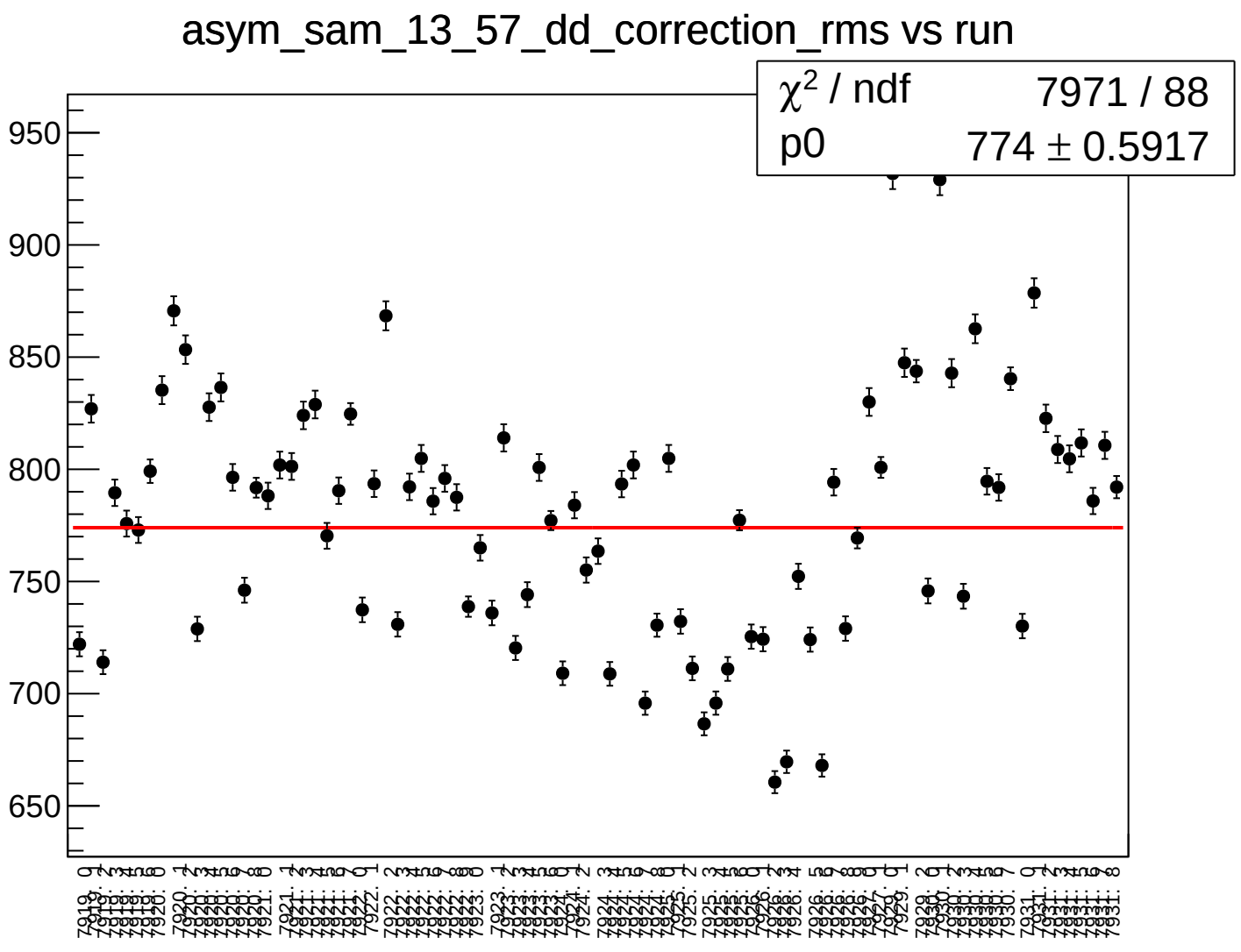

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 106 / 88
p0 −53.33 ± 103.3
pull
Entries 89
Mean 9.171
Std Dev 14.56

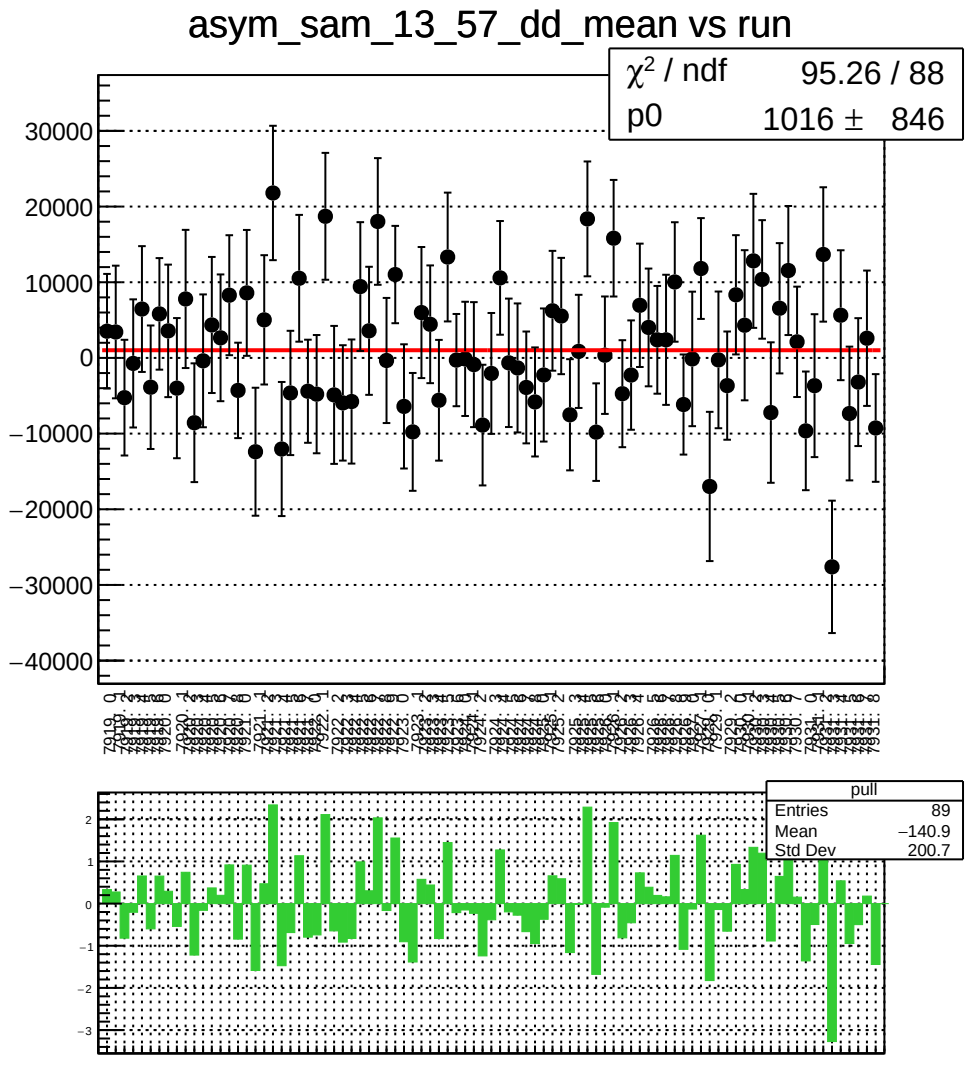

pull1D
Entries 89
Mean −0.01552
Std Dev 1.091

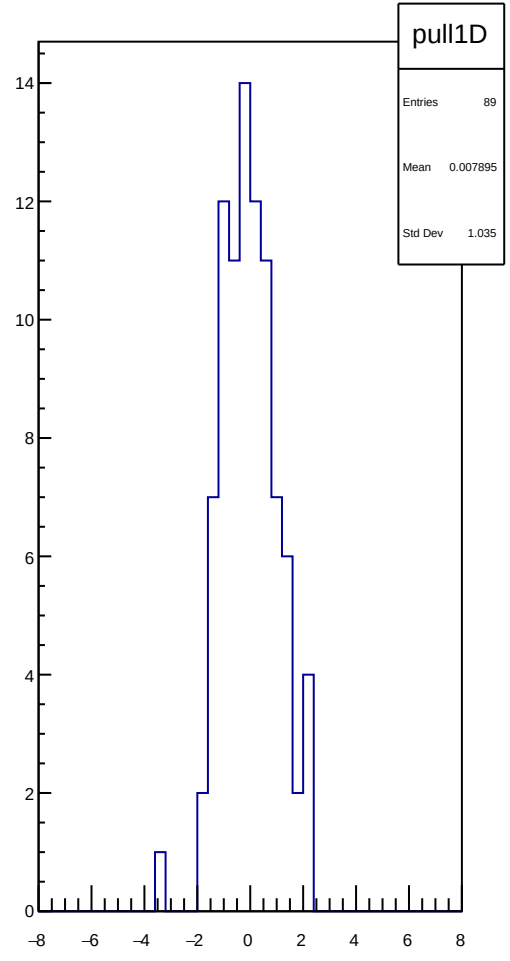

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 6354 / 88
p0 95.59 ± 0.07304
115
110
105
100
95
90
85

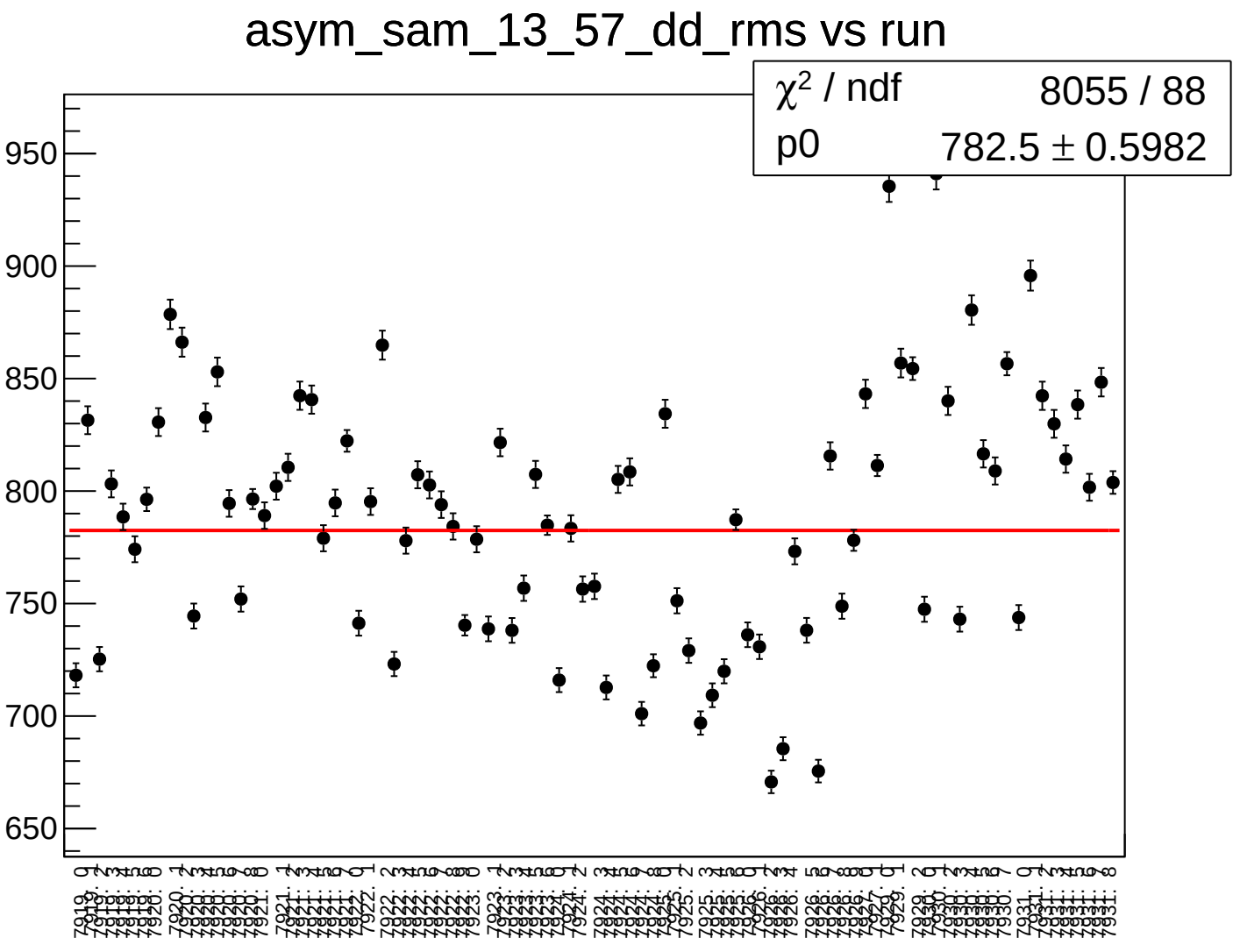

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 97.65 / 88
p0 −1072 ± 836.8
pull
Entries 89
Mean −95.4
Std Dev 152.5

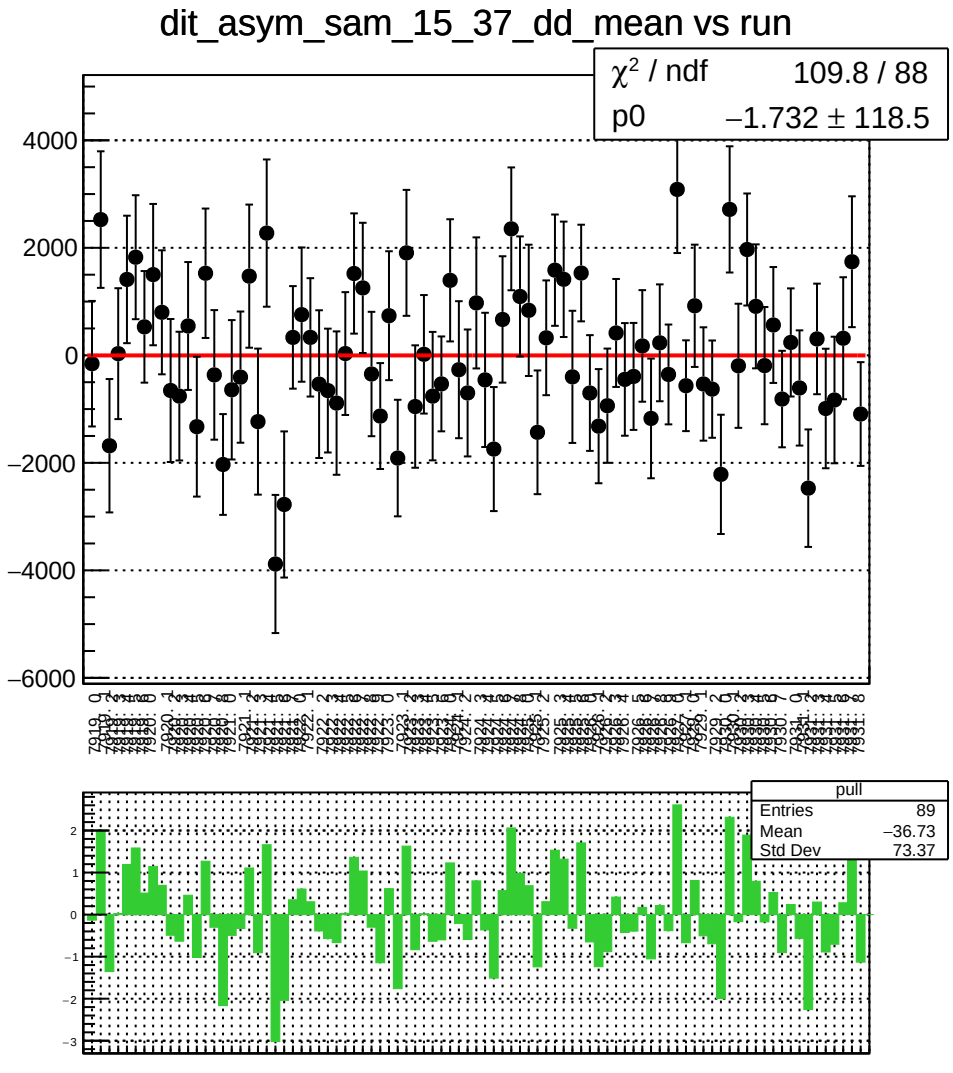

pull1D
Entries 89
Mean −0.01108
Std Dev 1.047

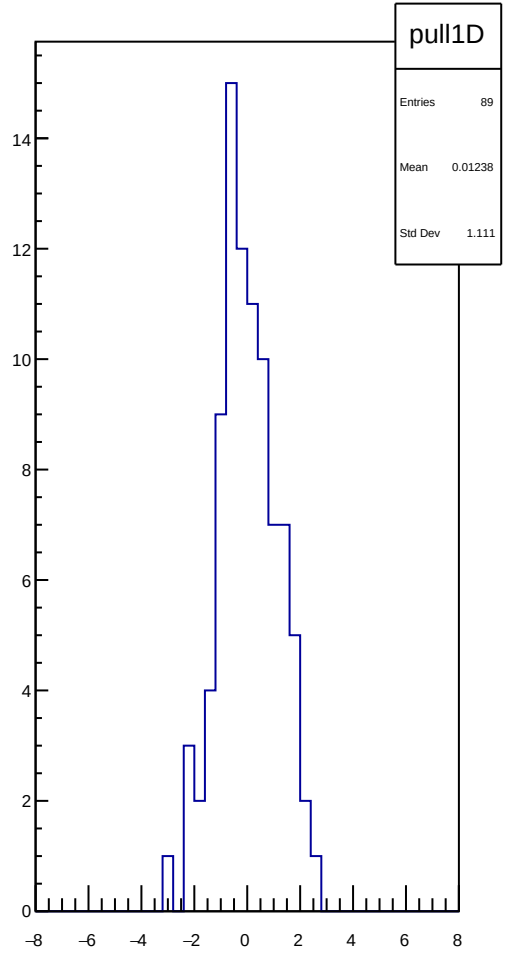

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 7971 / 88
p0 774 ± 0.5917
950
900
850
800
750
700
650

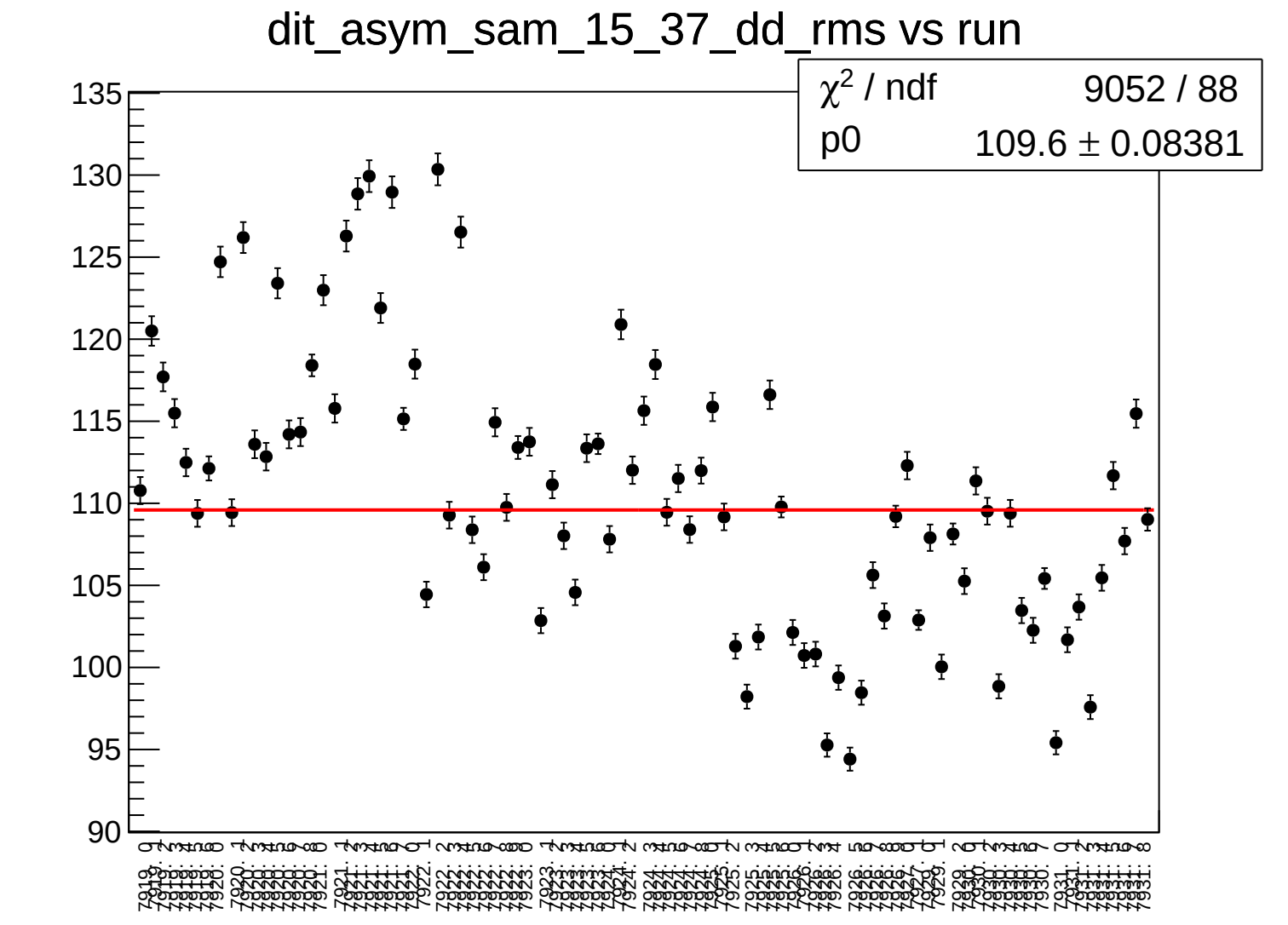

asym_sam_13_57_dd_mean vs run
χ² / ndf 95.26 / 88
p0 1016 ± 846
pull
Entries 89
Mean −140.9
Std Dev 200.7

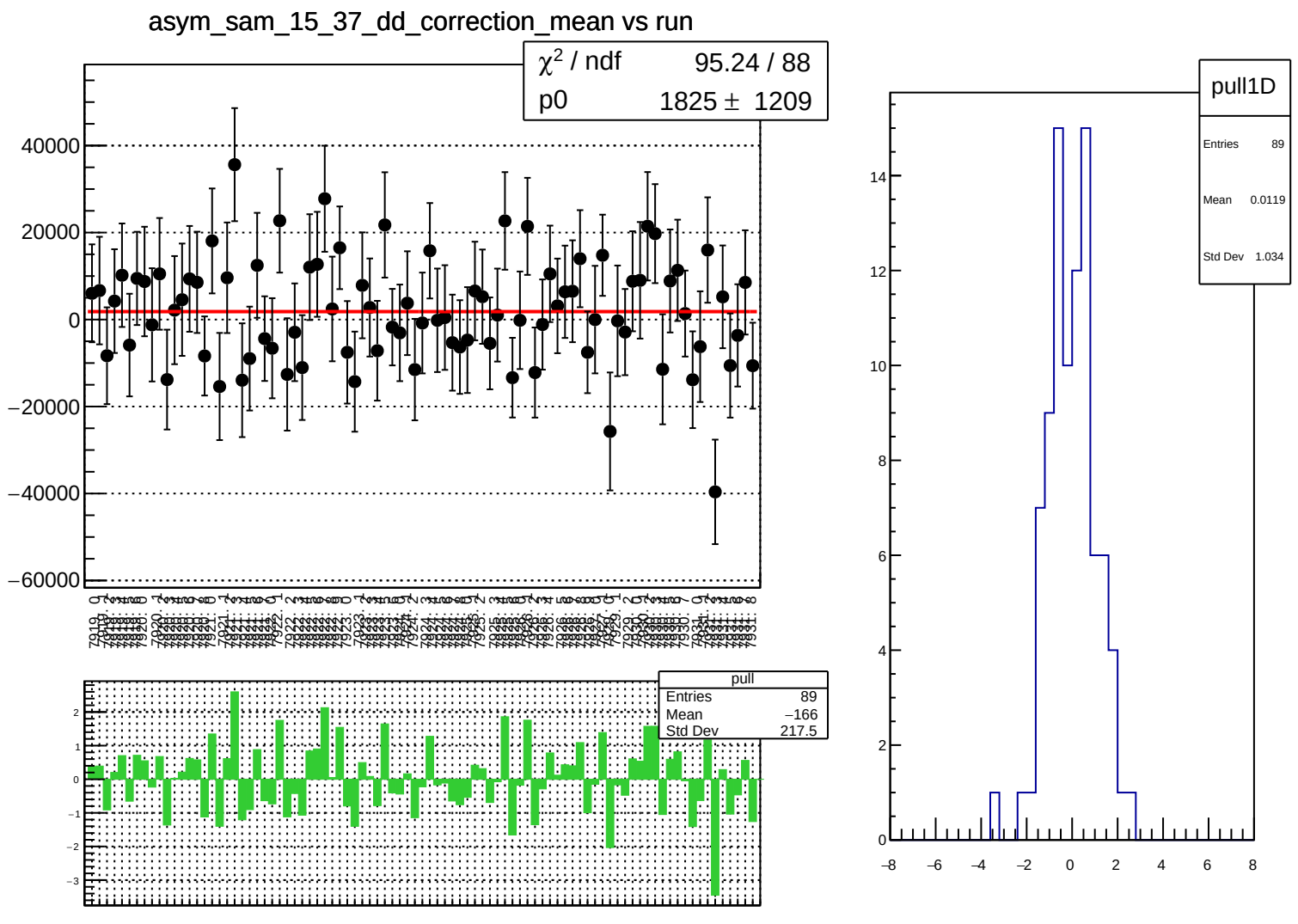

pull1D
Entries 89
Mean 0.007895
Std Dev 1.035

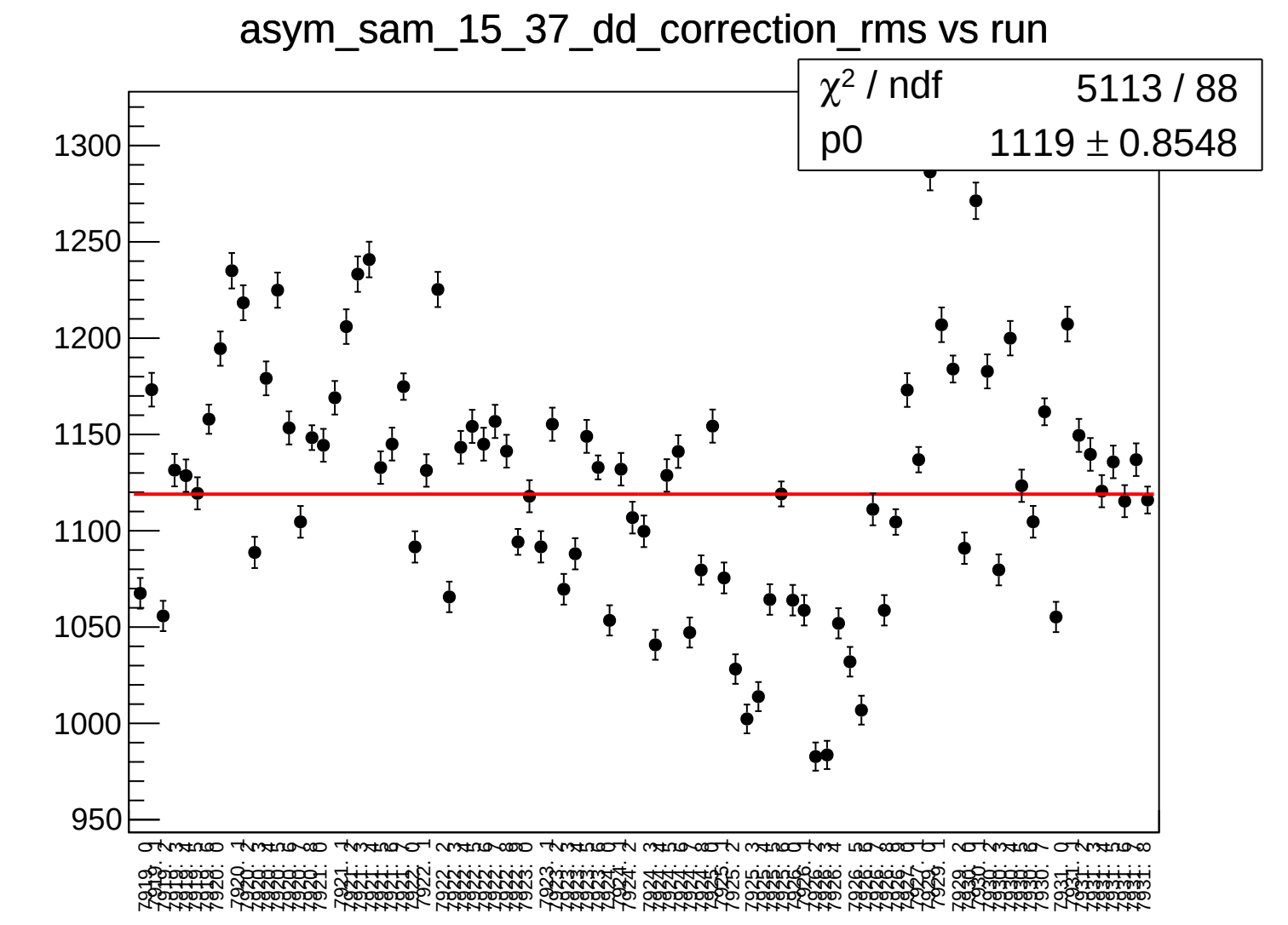

asym_sam_13_57_dd_rms vs run
χ² / ndf 8055 / 88
p0 782.5 ± 0.5982
950
900
850
800
750
700
650

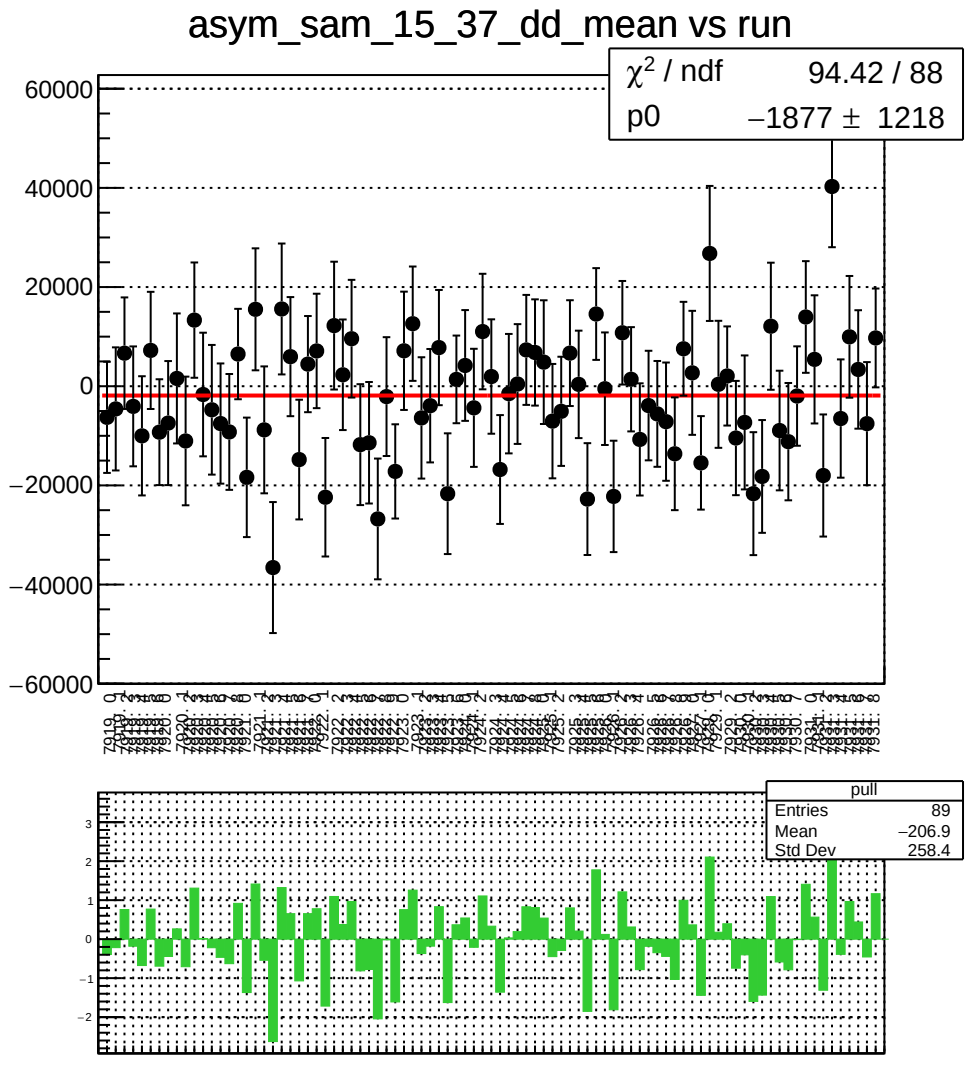

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 109.8 / 88
p0 −1.732 ± 118.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −36.73
Std Dev 73.37
2
1
0
−1
−2
−3

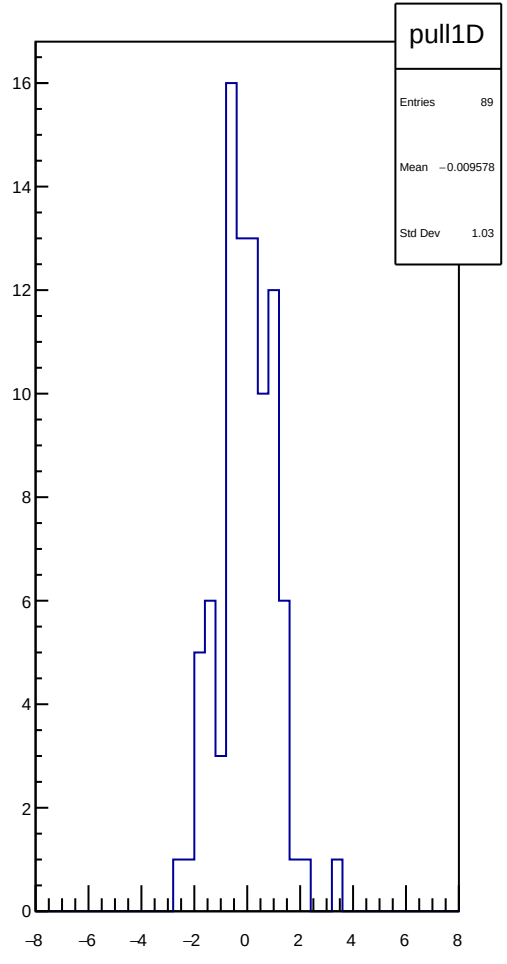

pull1D
Entries 89
Mean 0.01238
Std Dev 1.111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

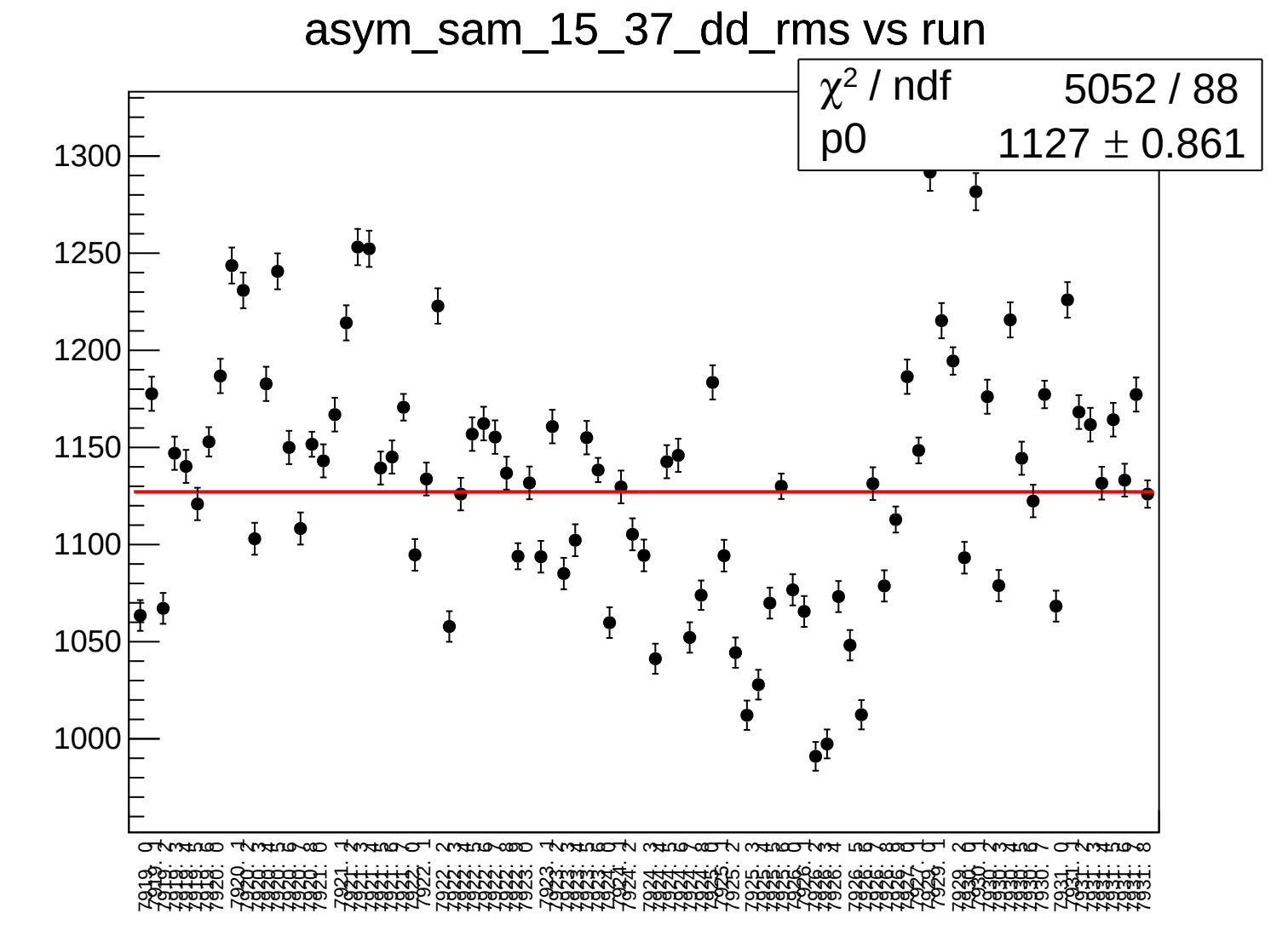

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 9052 / 88
p0 109.6 ± 0.08381
135
130
125
120
115
110
105
100
95
90

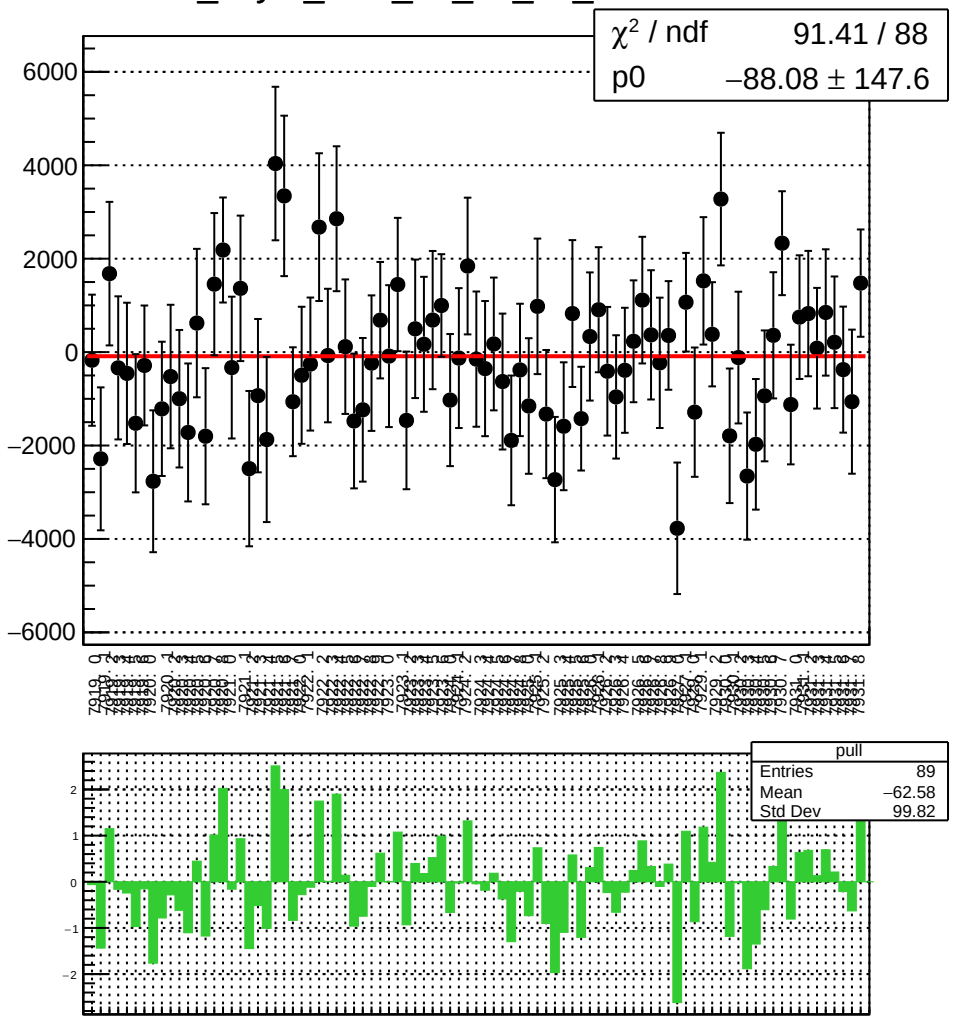

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 95.24 / 88
p0 1825 ± 1209
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −166
Std Dev 217.5
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean 0.0119
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

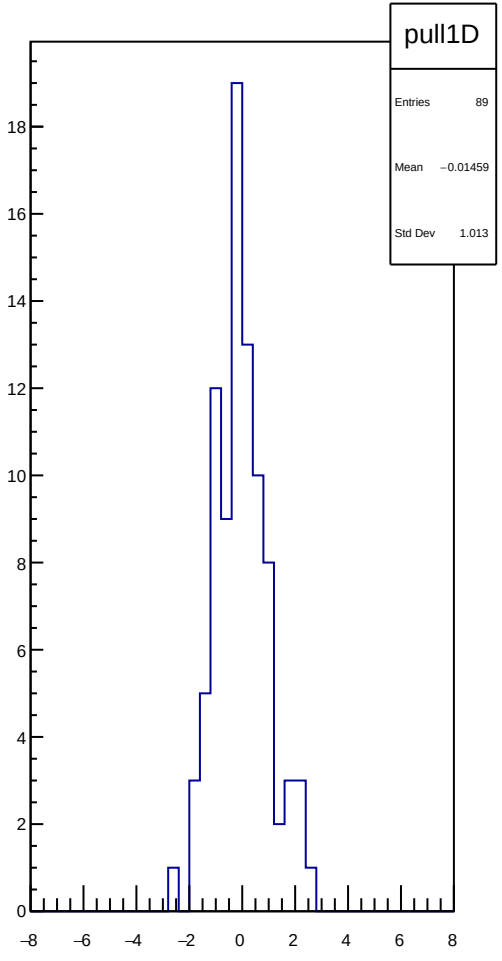

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 5113 / 88
p0 1119 ± 0.8548
1300
1250
1200
1150
1100
1050
1000
950

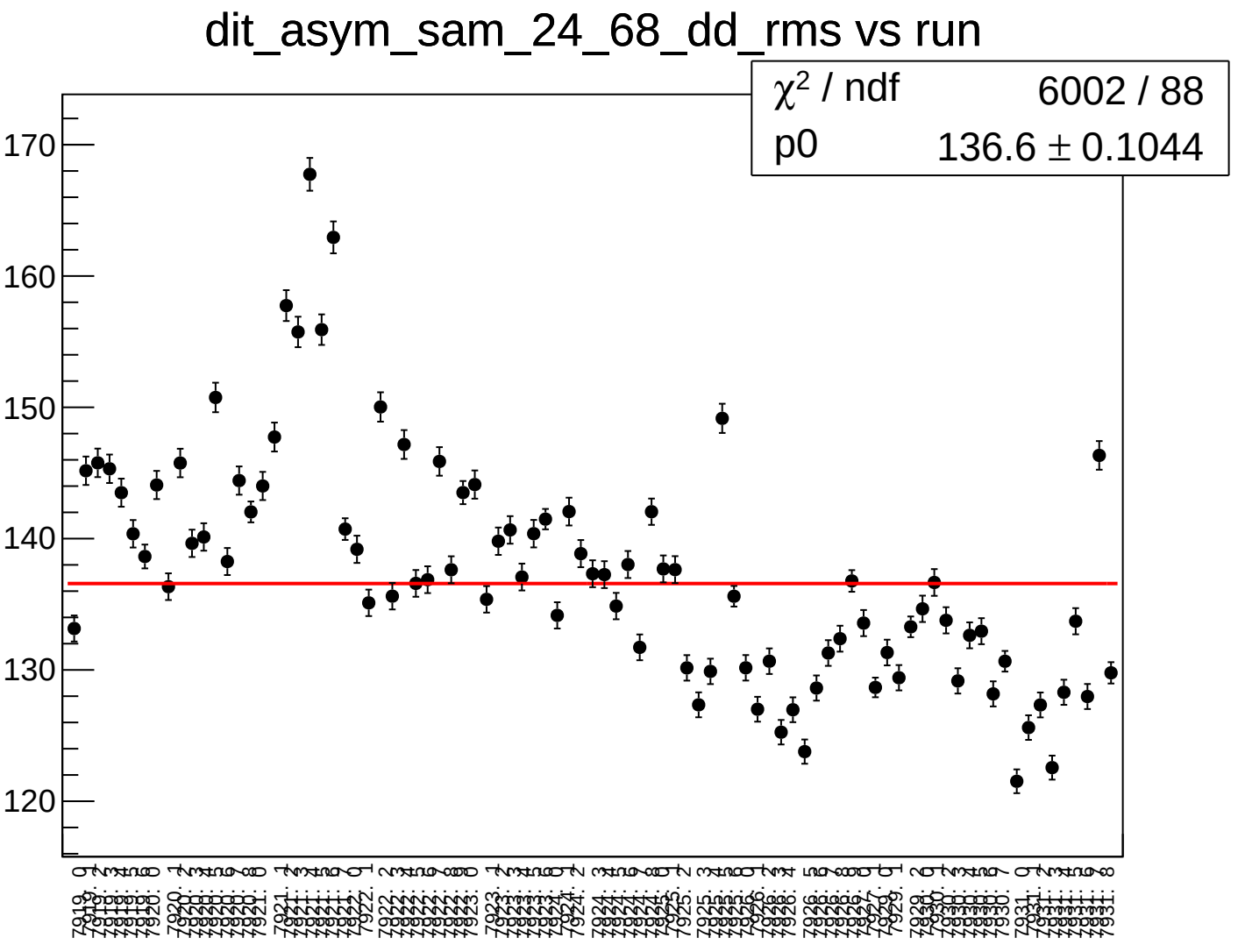

asym_sam_15_37_dd_mean vs run
χ² / ndf 94.42 / 88
p0 −1877 ± 1218
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −206.9
Std Dev 258.4
3
2
1
0
−1
−2

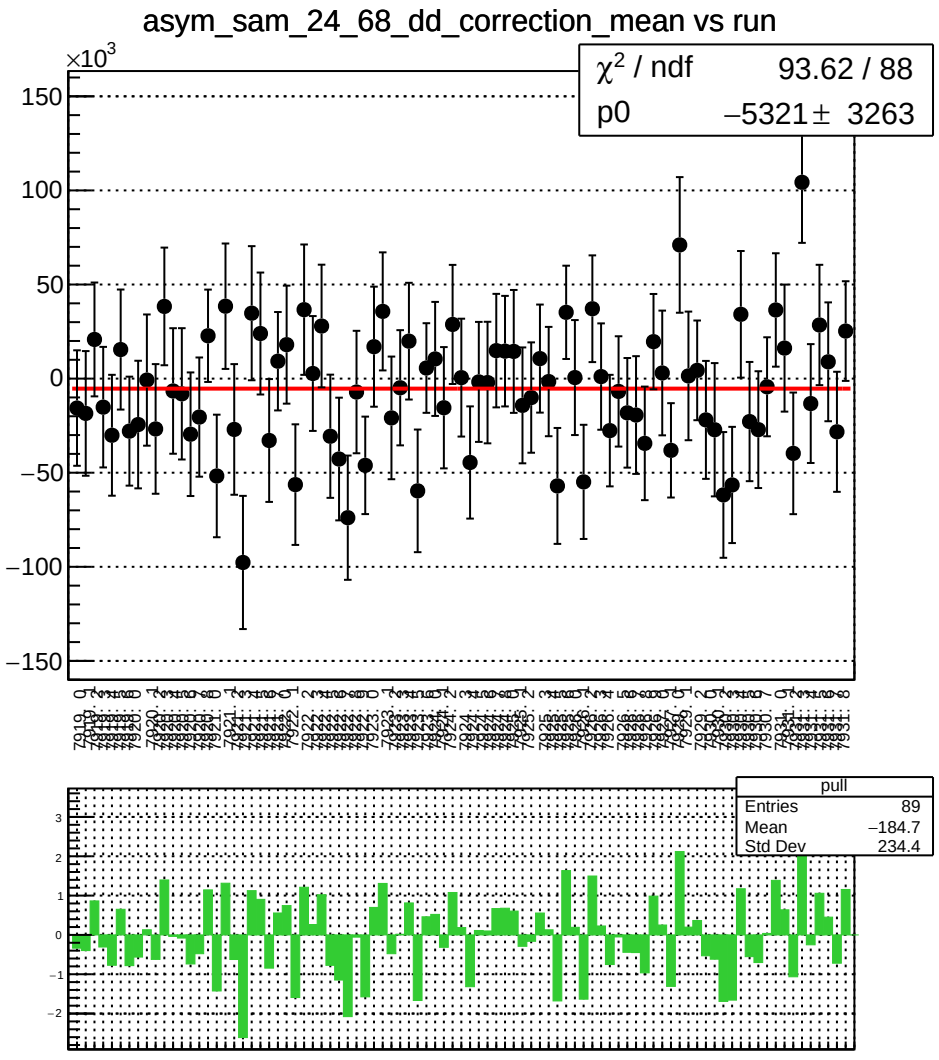

pull1D
Entries 89
Mean −0.009578
Std Dev 1.03
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

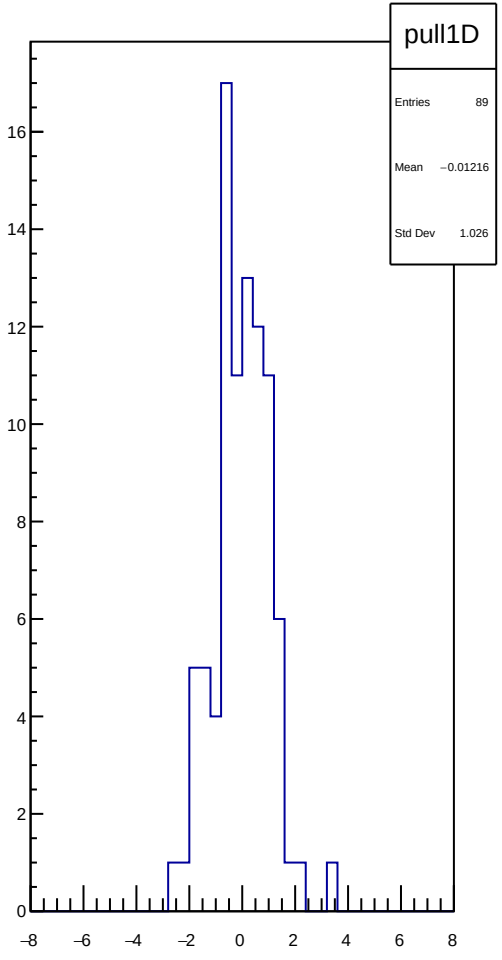

asym_sam_15_37_dd_rms vs run
χ² / ndf 5052 / 88
p0 1127 ± 0.861
1300
1250
1200
1150
1100
1050
1000

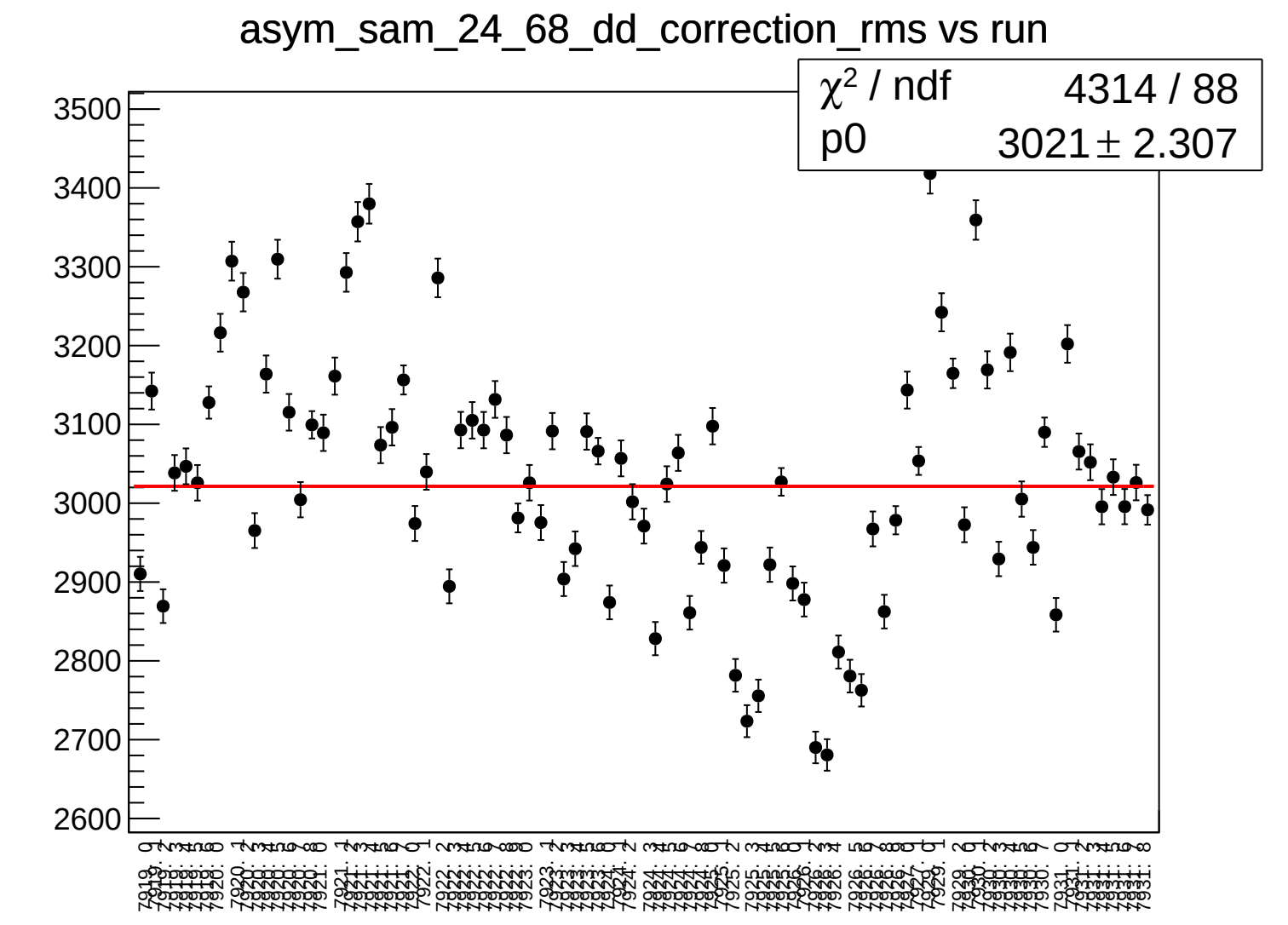

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 91.41 / 88
p0 −88.08 ± 147.6
pull
Entries 89
Mean −62.58
Std Dev 99.82

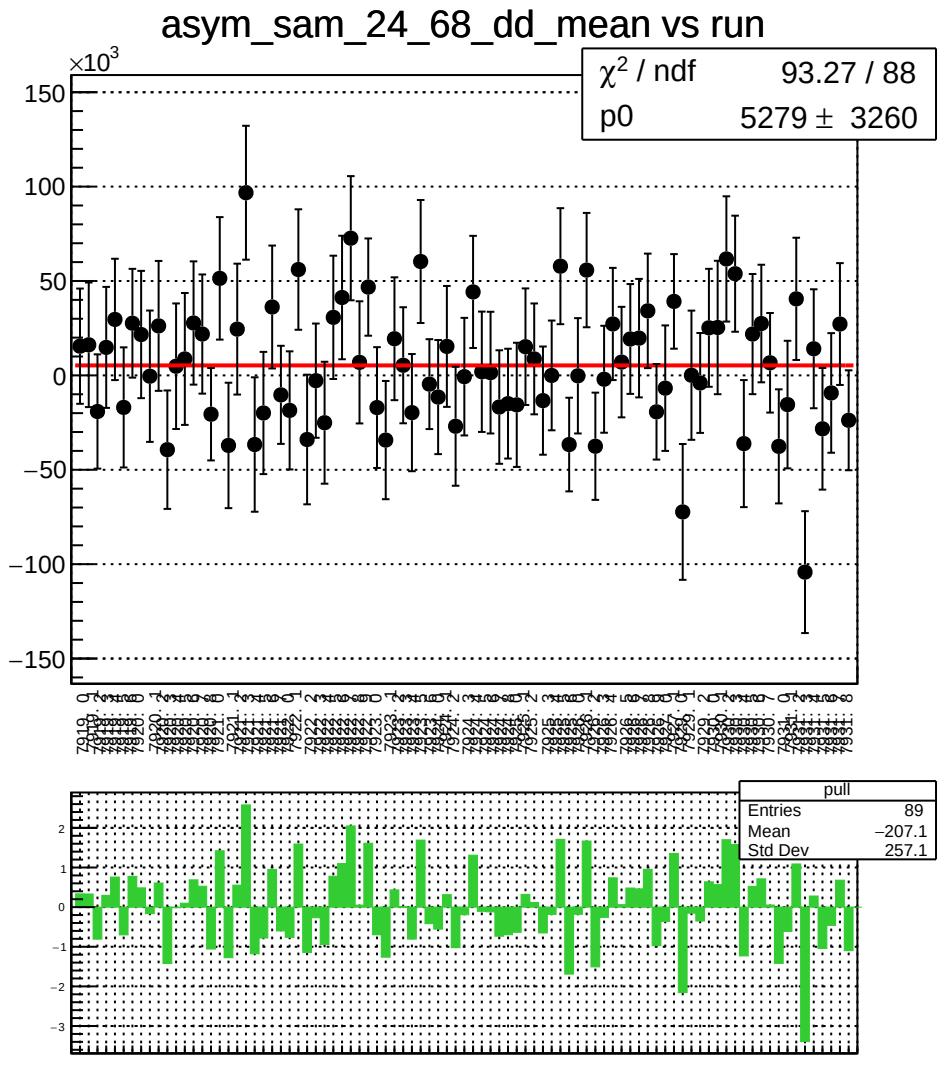

pull1D
Entries 89
Mean −0.01459
Std Dev 1.013

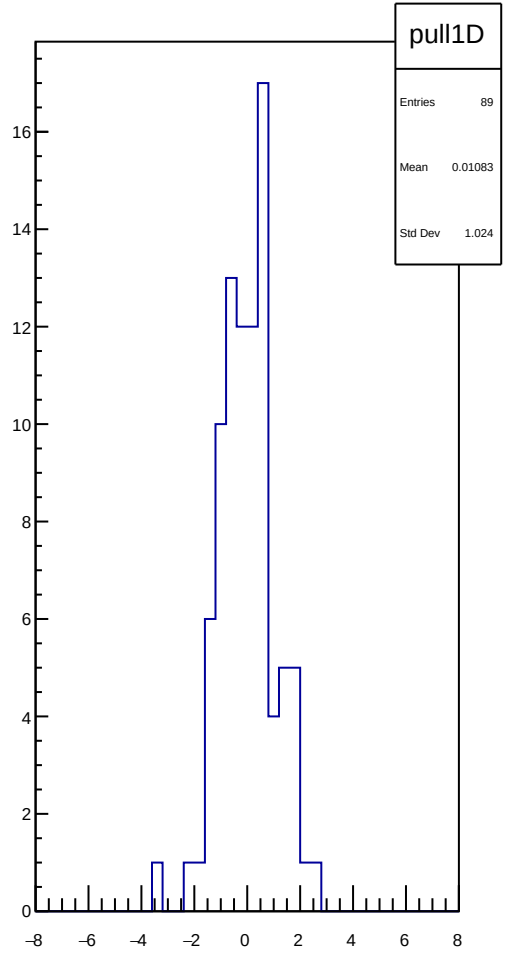

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 6002 / 88
p0 136.6 ± 0.1044
170
160
150
140
130
120

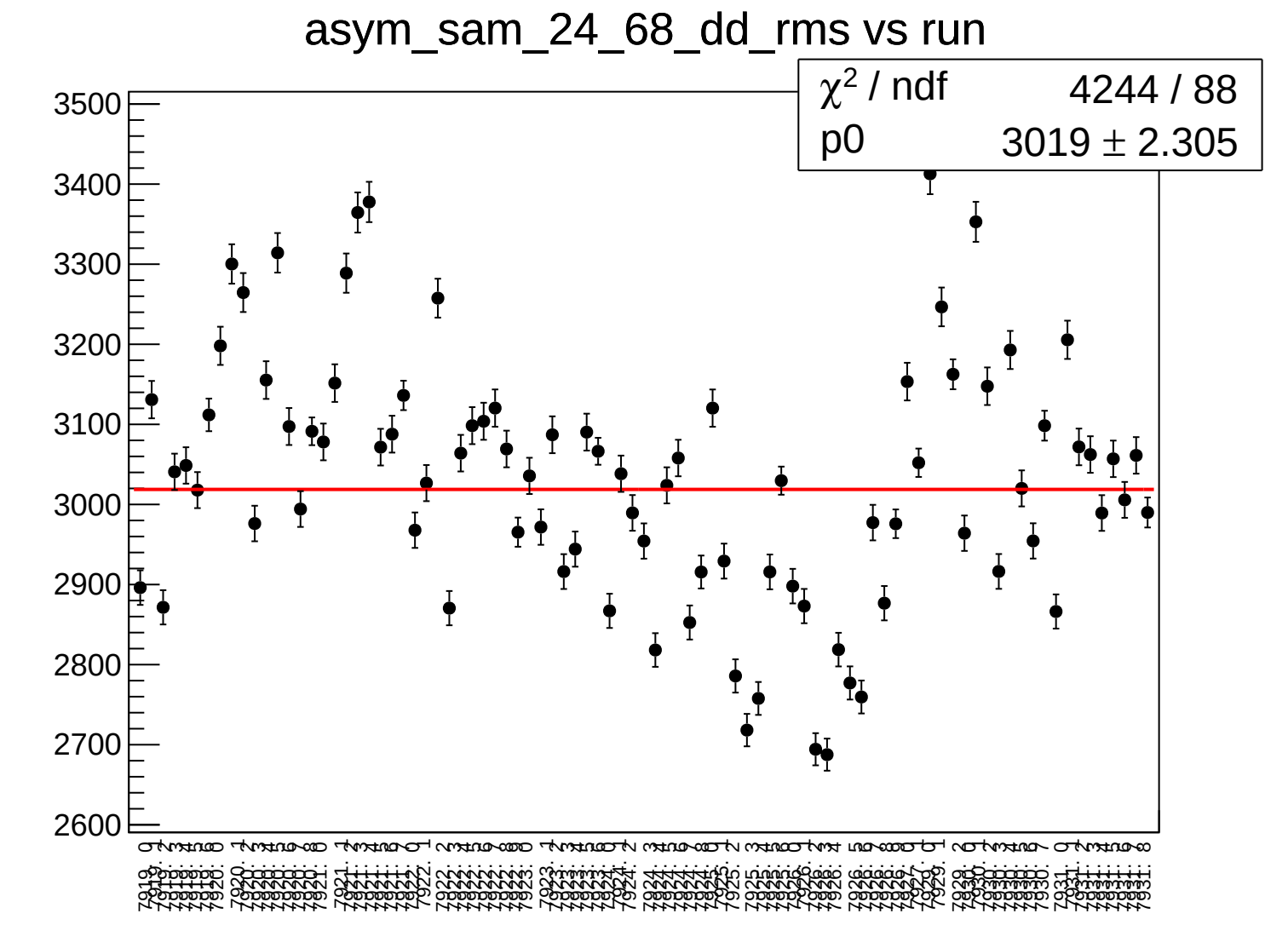

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ^2 / ndf 93.62 / 88
p0 −5321 ± 3263
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −184.7
Std Dev 234.4
3
2
1
0
−1
−2

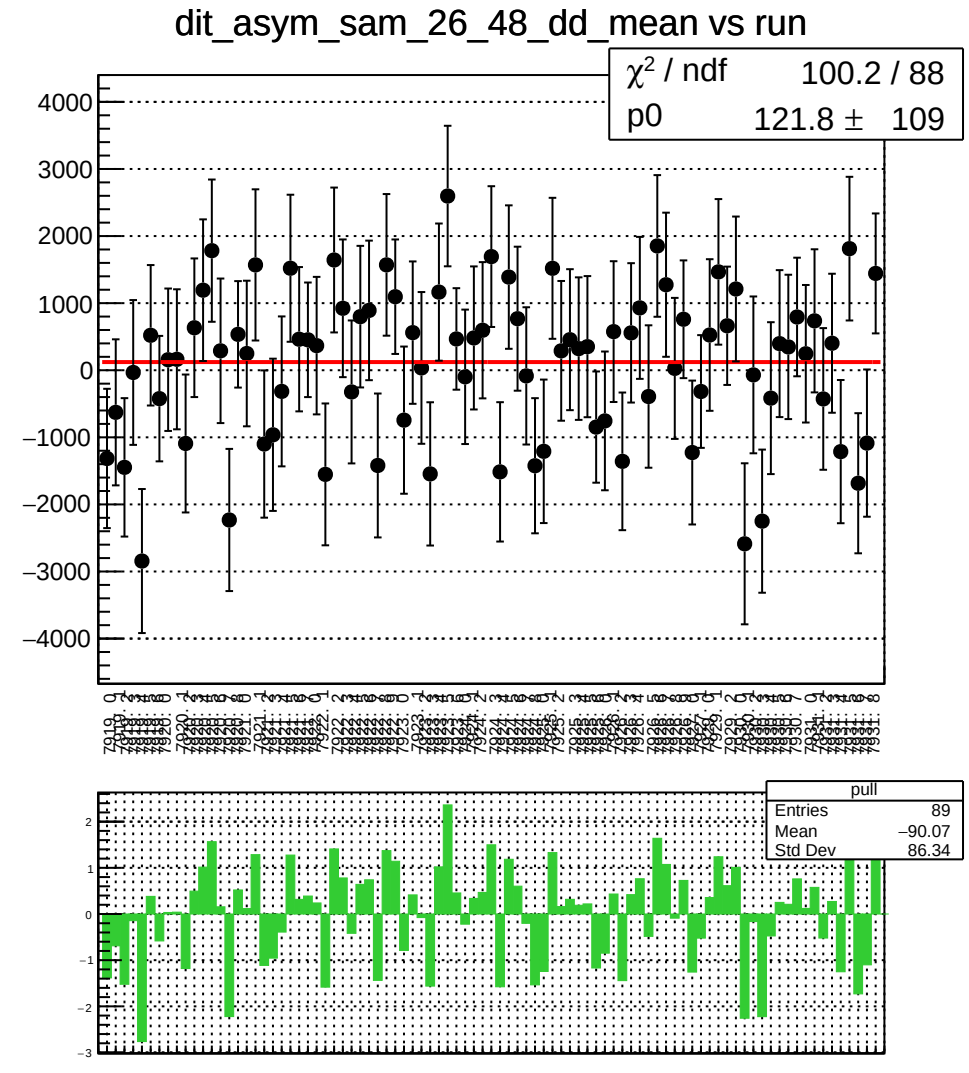

pull1D
Entries 89
Mean −0.01216
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

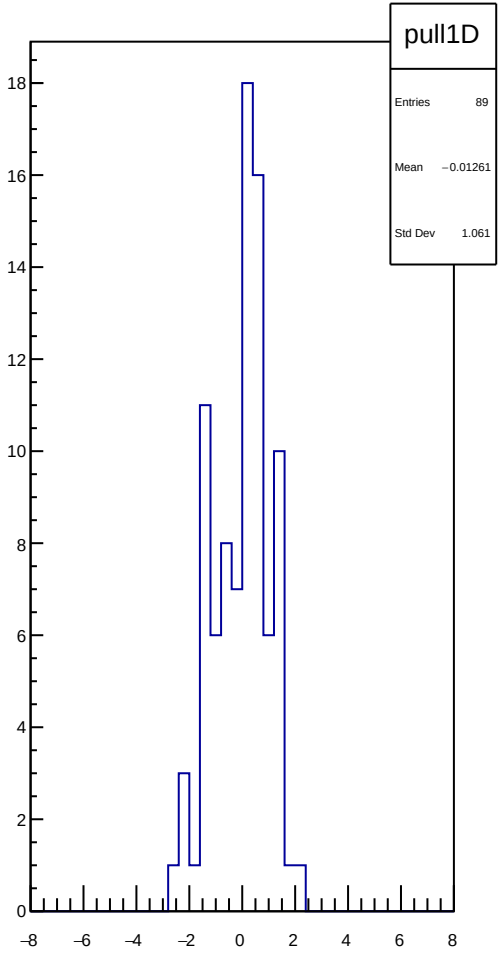

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4314 / 88
p0 3021 ± 2.307
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600

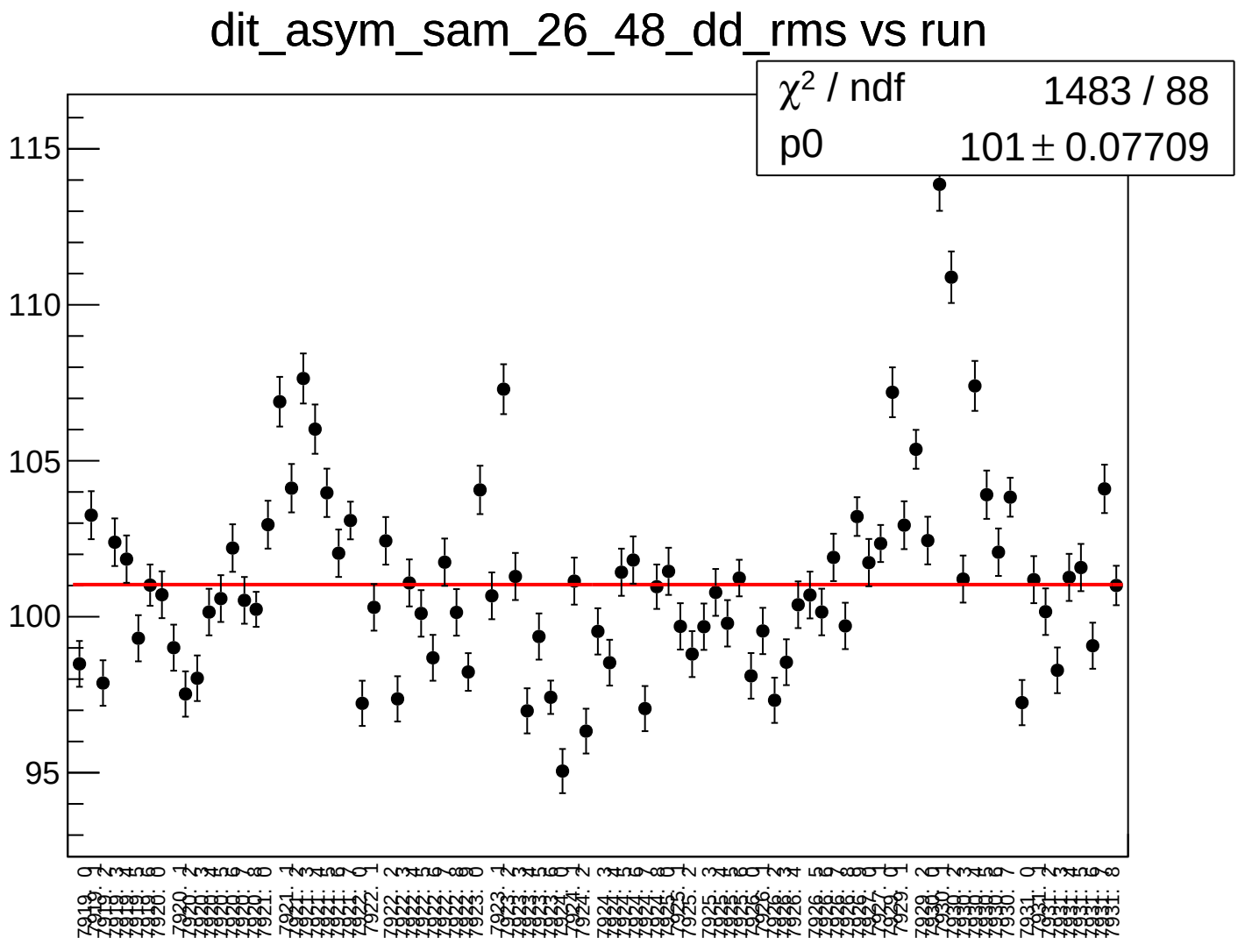

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 93.27 / 88
p0 5279 ± 3260
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −207.1
Std Dev 257.1
2
1
0
−1
−2
−3

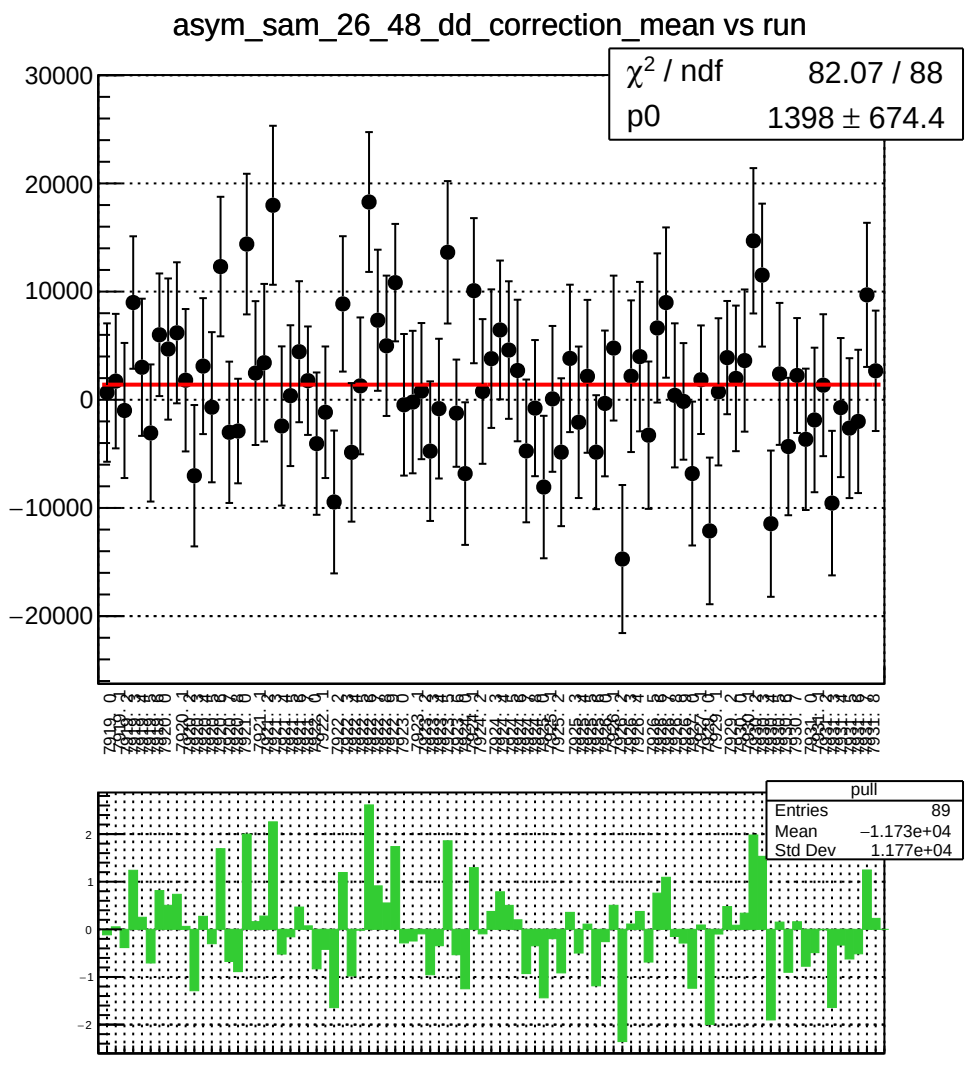

pull1D
Entries 89
Mean 0.01083
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

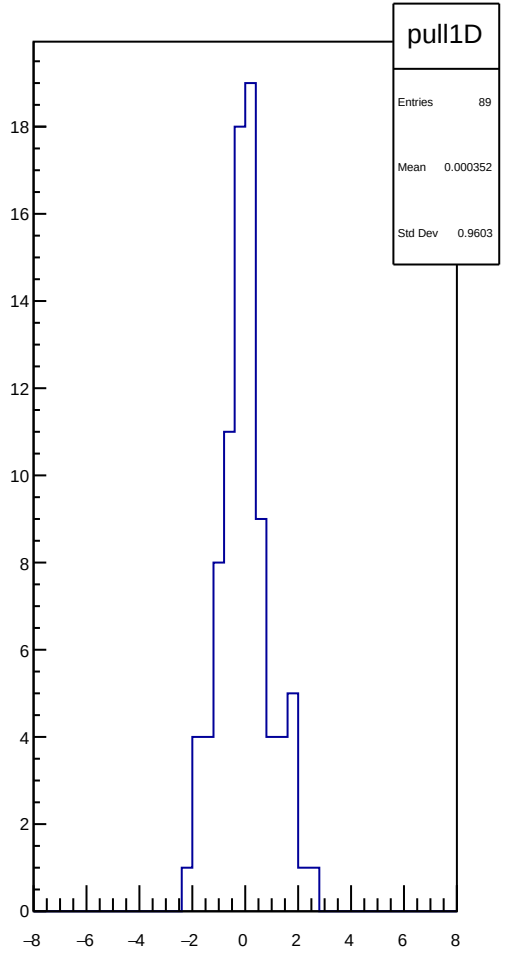

asym_sam_24_68_dd_rms vs run
χ² / ndf 4244 / 88
p0 3019 ± 2.305
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600

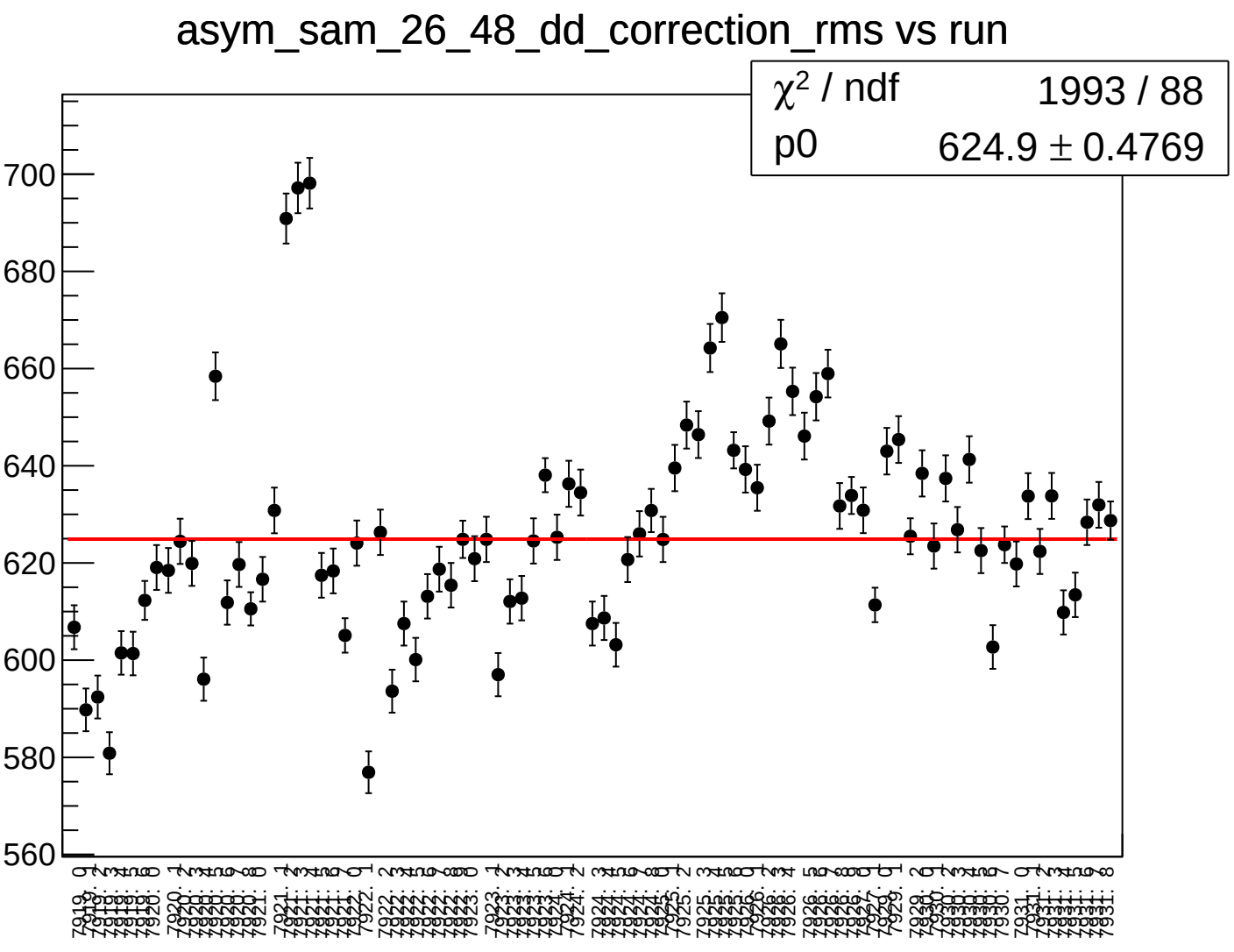

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 100.2 / 88
p0 121.8 ± 109
pull
Entries 89
Mean −90.07
Std Dev 86.34

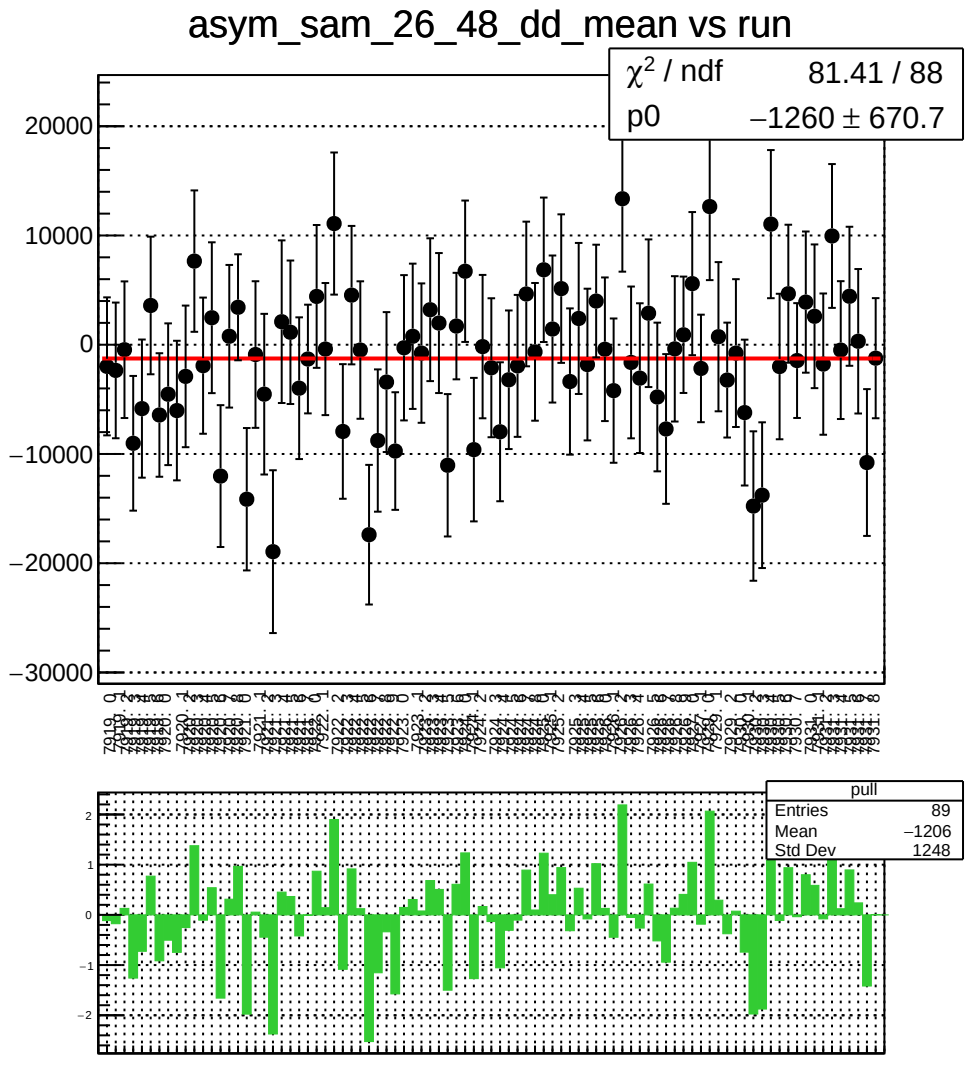

pull1D
Entries 89
Mean −0.01261
Std Dev 1.061

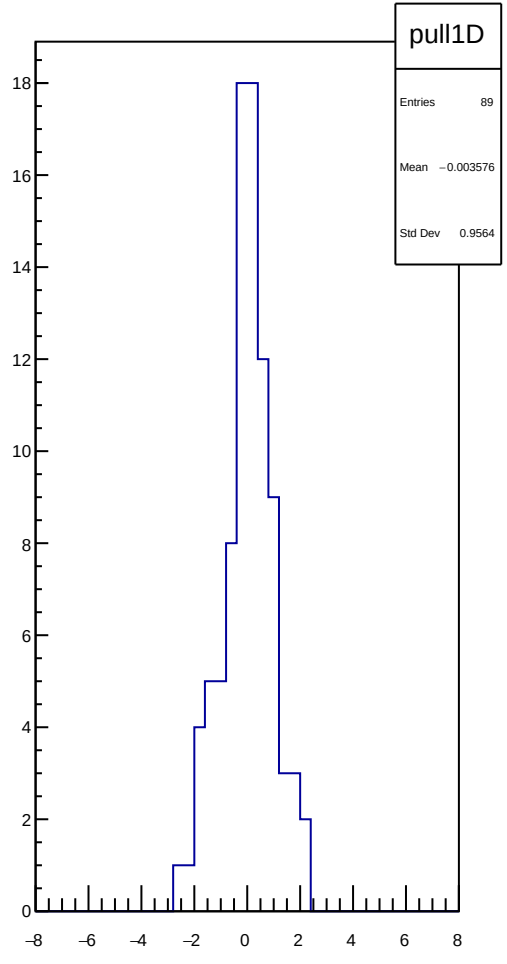

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1483 / 88
p0 101 ± 0.07709
115
110
105
100
95

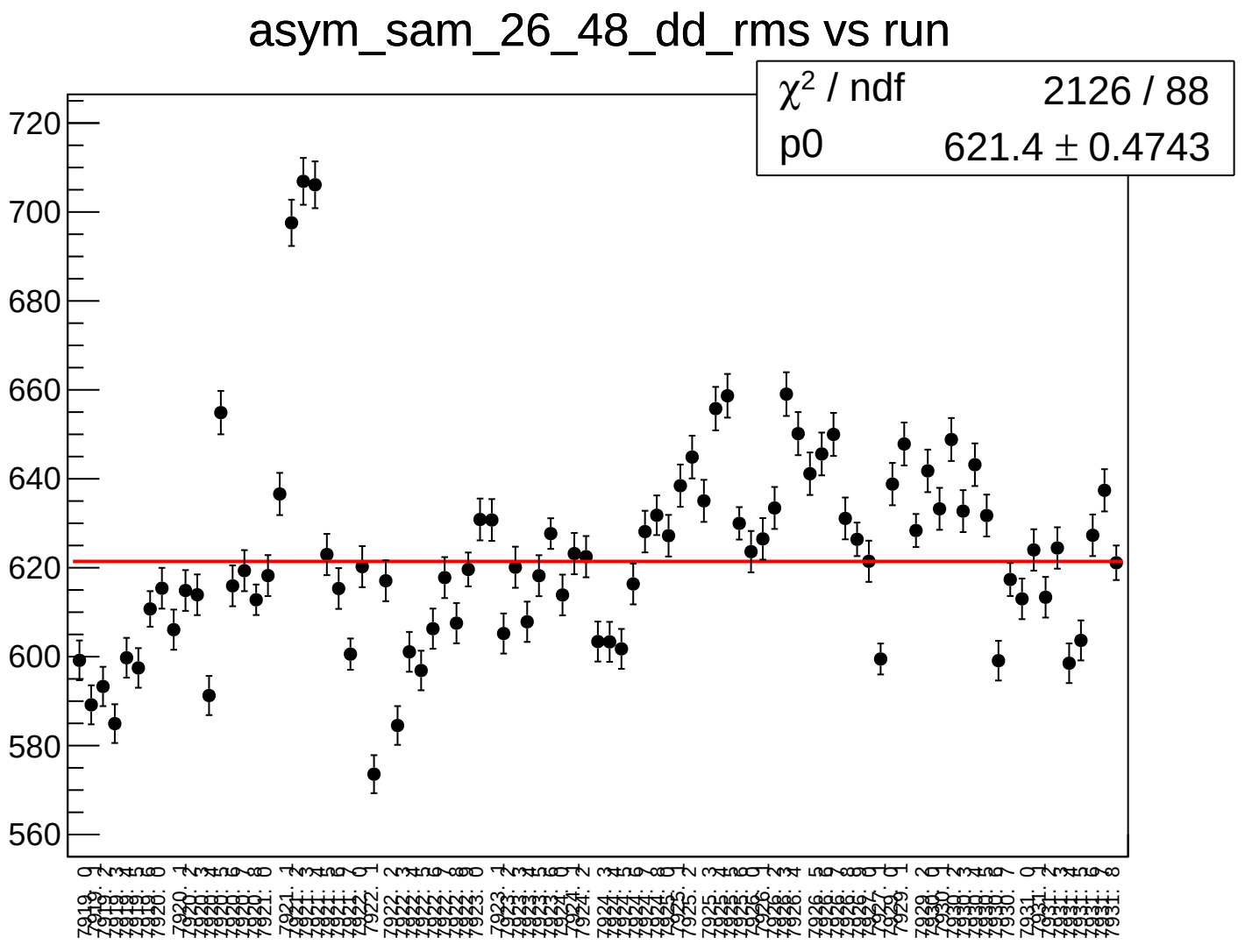

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 82.07 / 88
p0 1398 ± 674.4
30000
20000
10000
0
−10000
−20000
pull
Entries 89
Mean −1.173e+04
Std Dev 1.177e+04
2
1
0
−1
−2

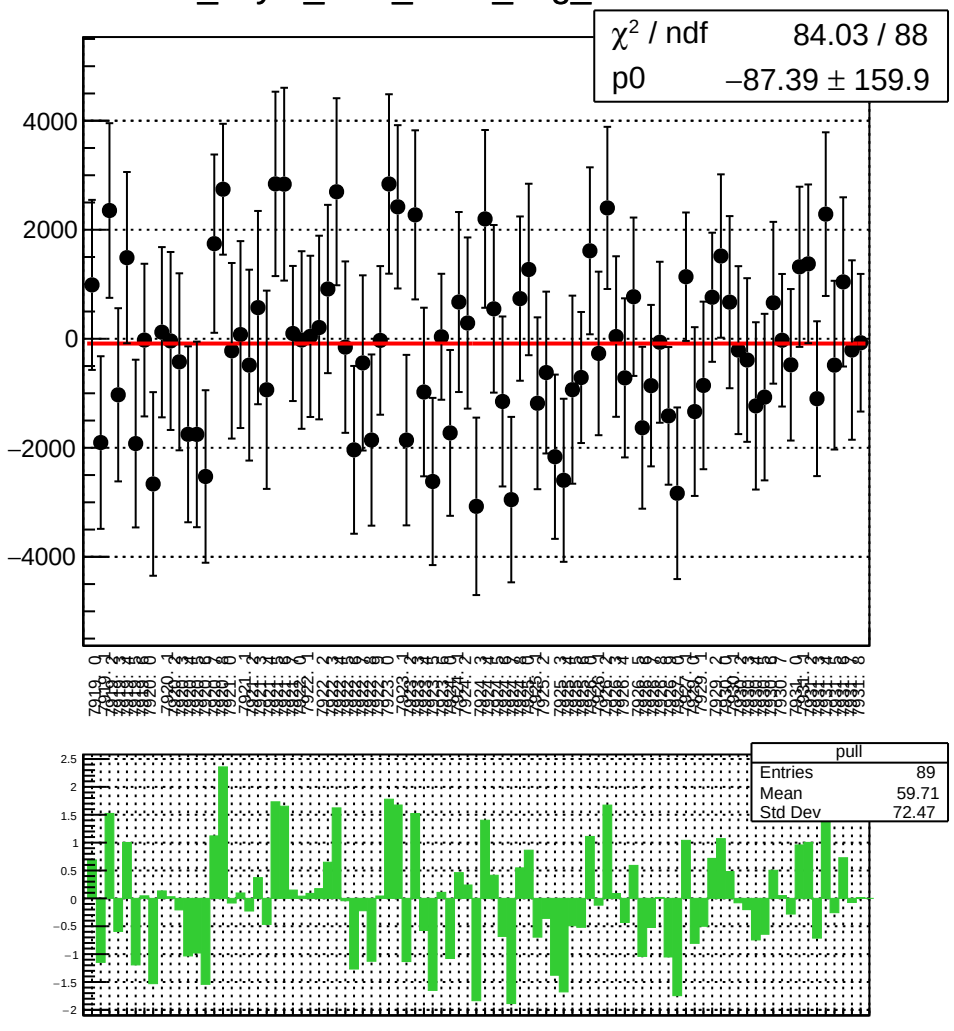

pull1D
Entries 89
Mean 0.000352
Std Dev 0.9603
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

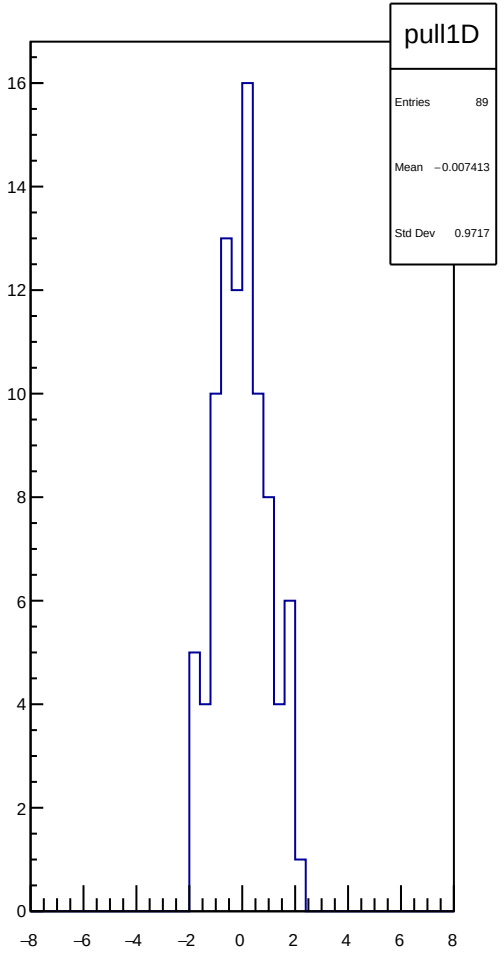

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1993 / 88
p0 624.9 ± 0.4769
700
680
660
640
620
600
580
560

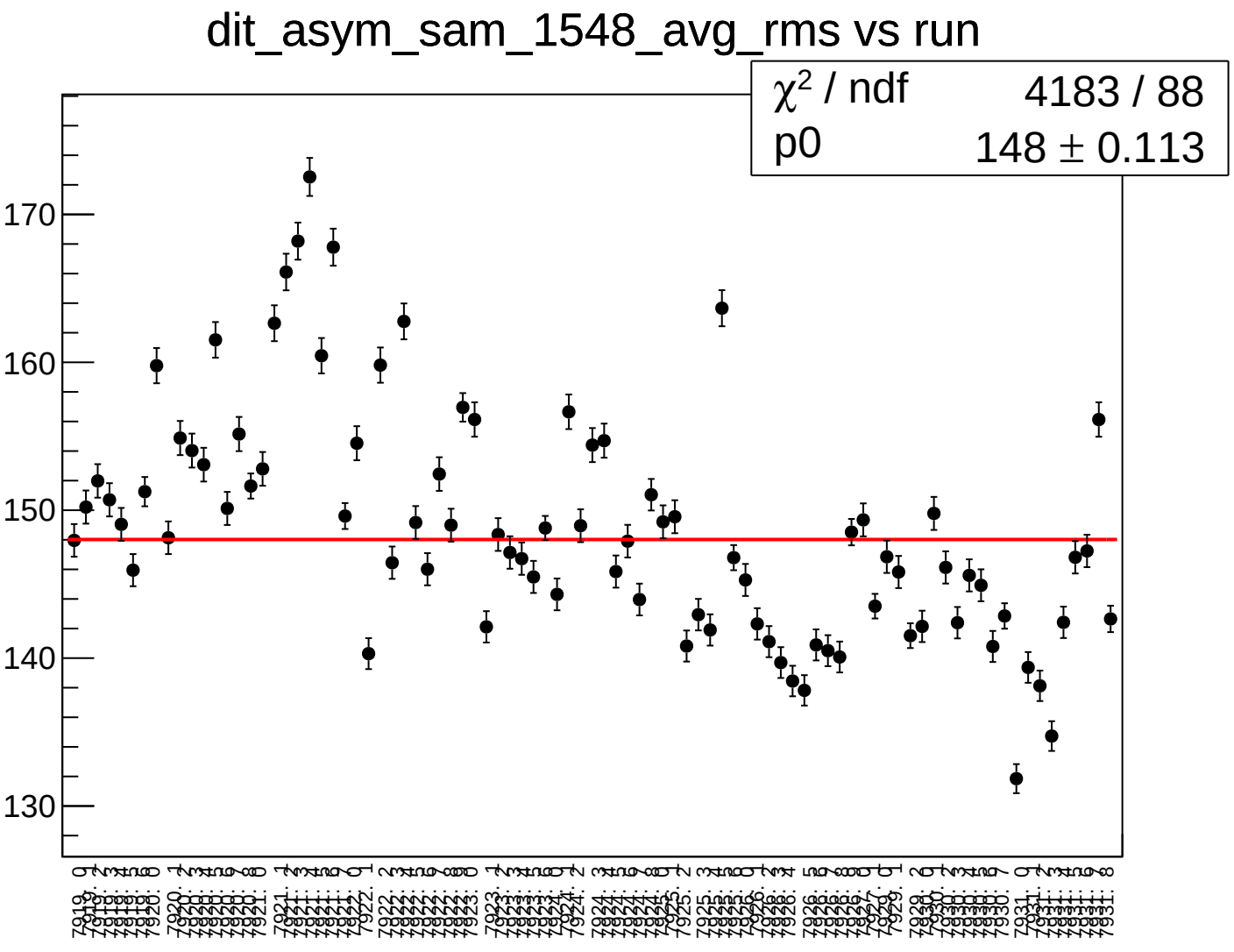

asym_sam_26_48_dd_mean vs run
χ² / ndf 81.41 / 88
p0 −1260 ± 670.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −1206
Std Dev 1248
2
1
0
−1
−2

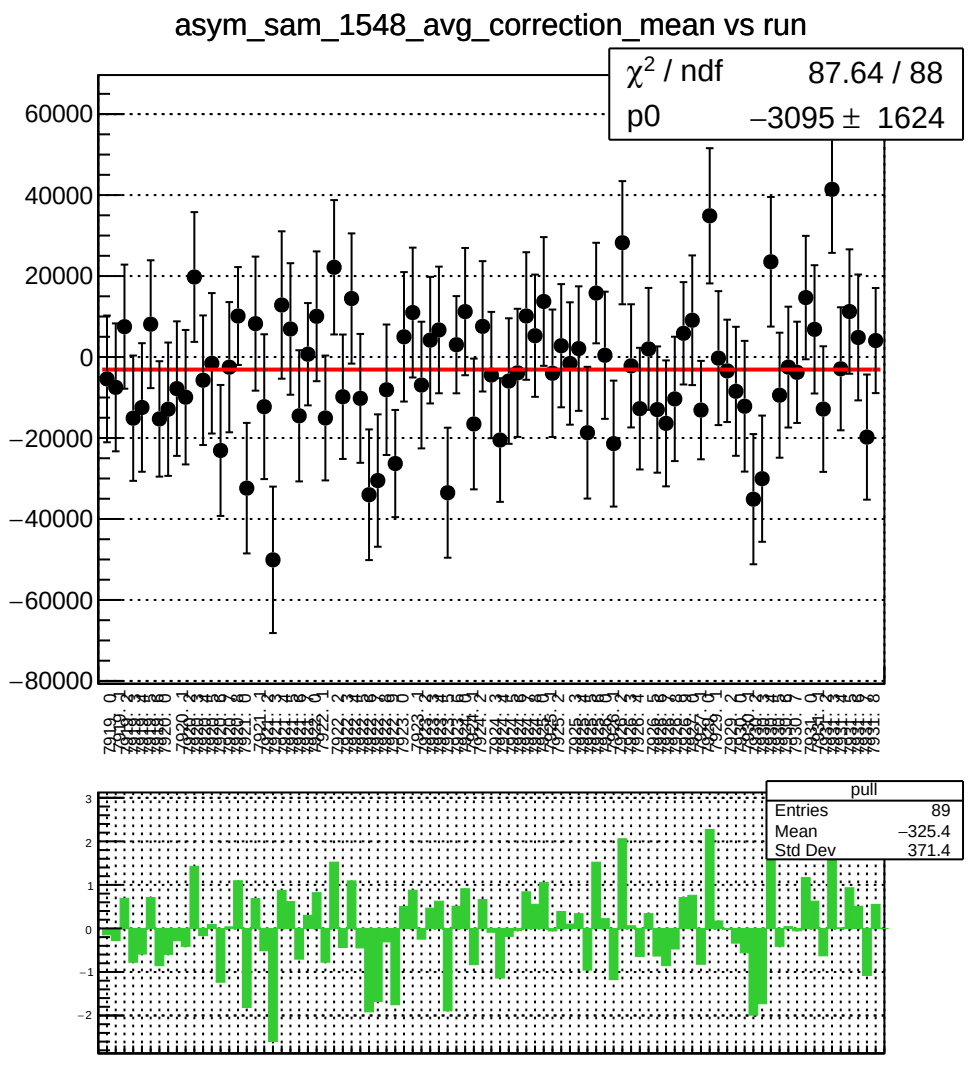

pull1D
Entries 89
Mean −0.003576
Std Dev 0.9564
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

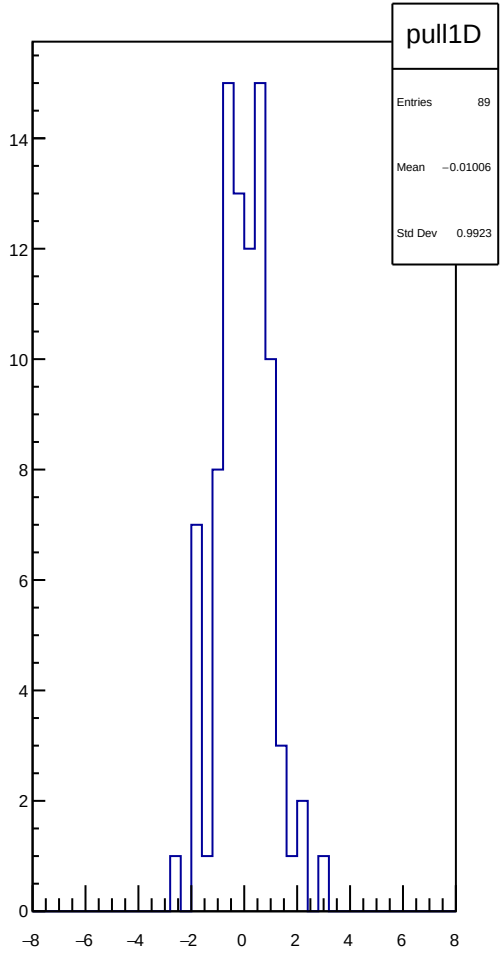

asym_sam_26_48_dd_rms vs run
χ² / ndf 2126 / 88
p0 621.4 ± 0.4743
720
700
680
660
640
620
600
580
560

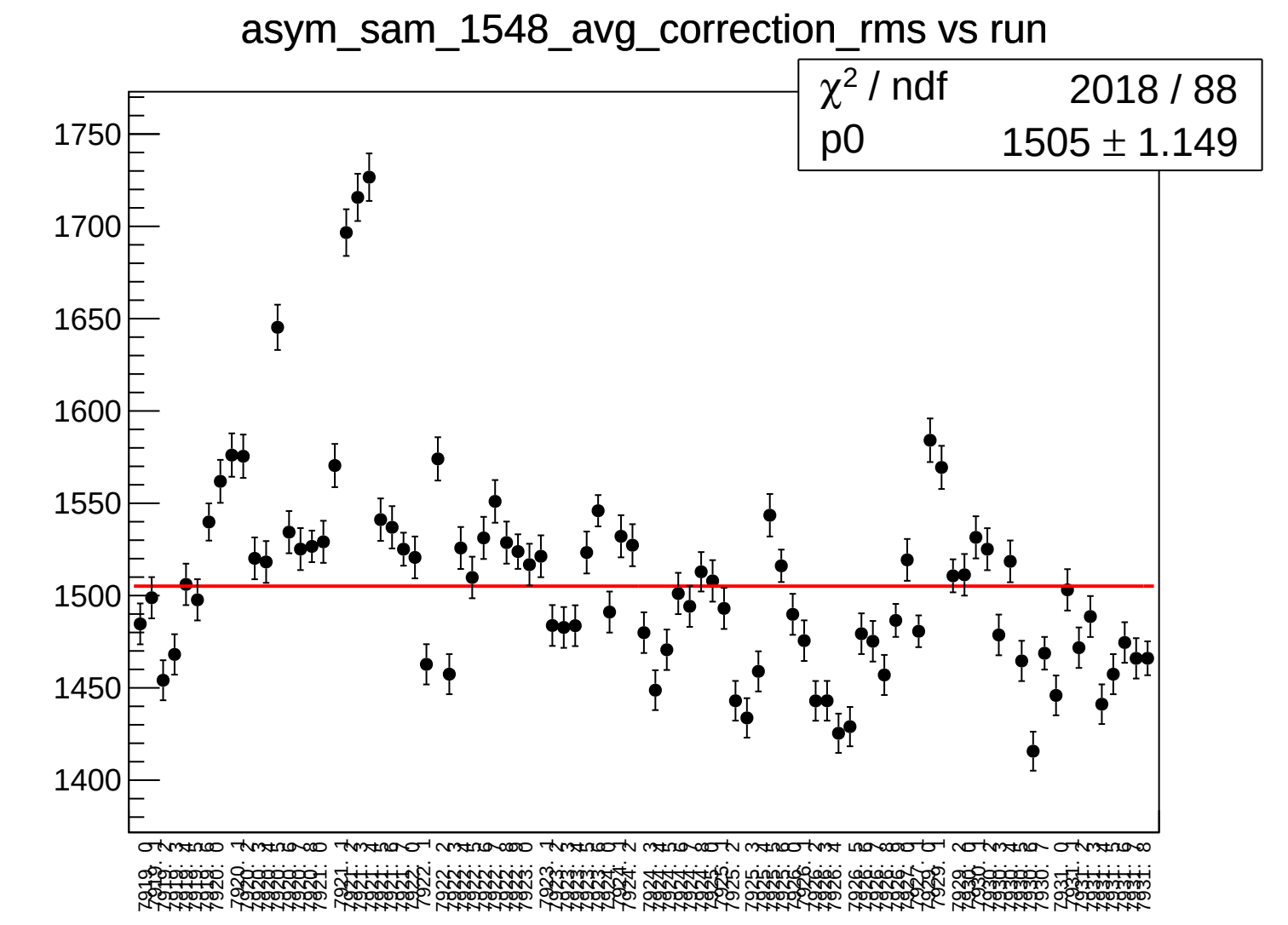

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 84.03 / 88
p0 −87.39 ± 159.9
4000
2000
0
−2000
−4000
pull
Entries 89
Mean 59.71
Std Dev 72.47
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

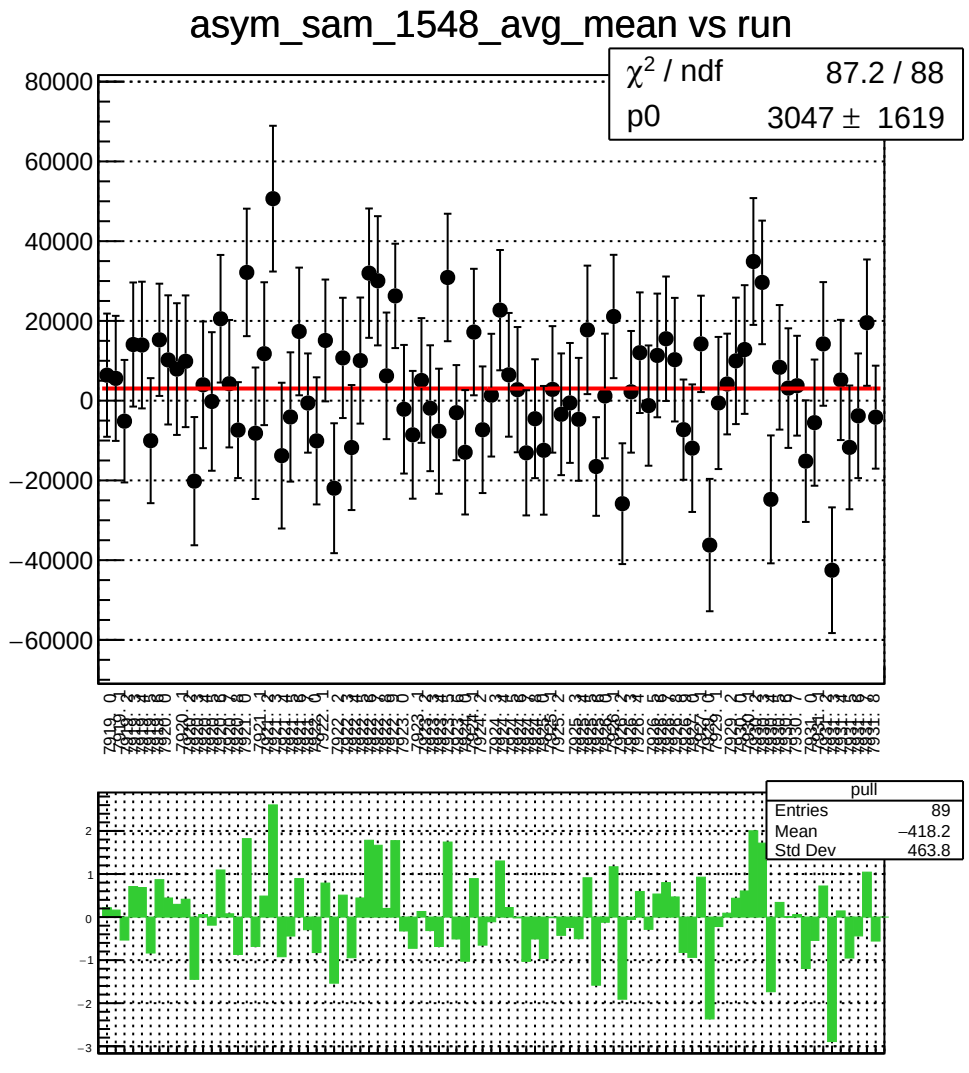

pull1D
Entries 89
Mean −0.007413
Std Dev 0.9717
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

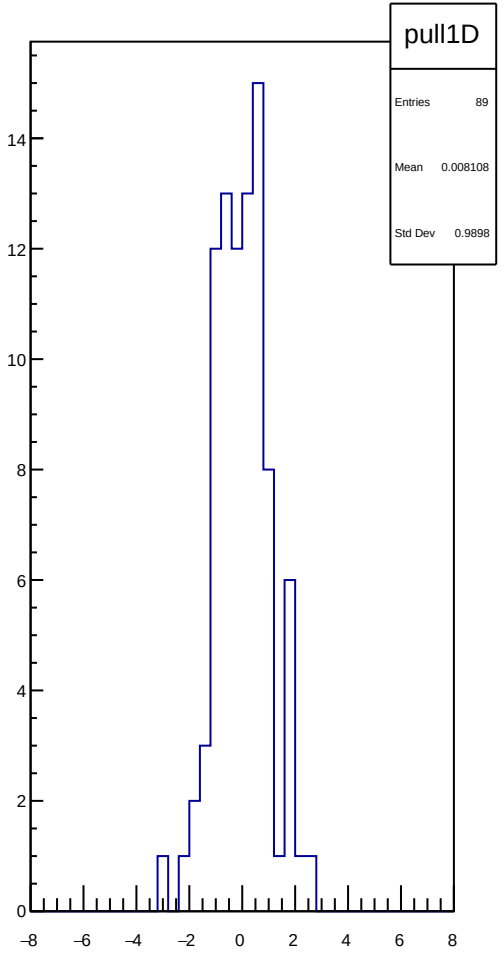

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4183 / 88
p0 148 ± 0.113
170
160
150
140
130

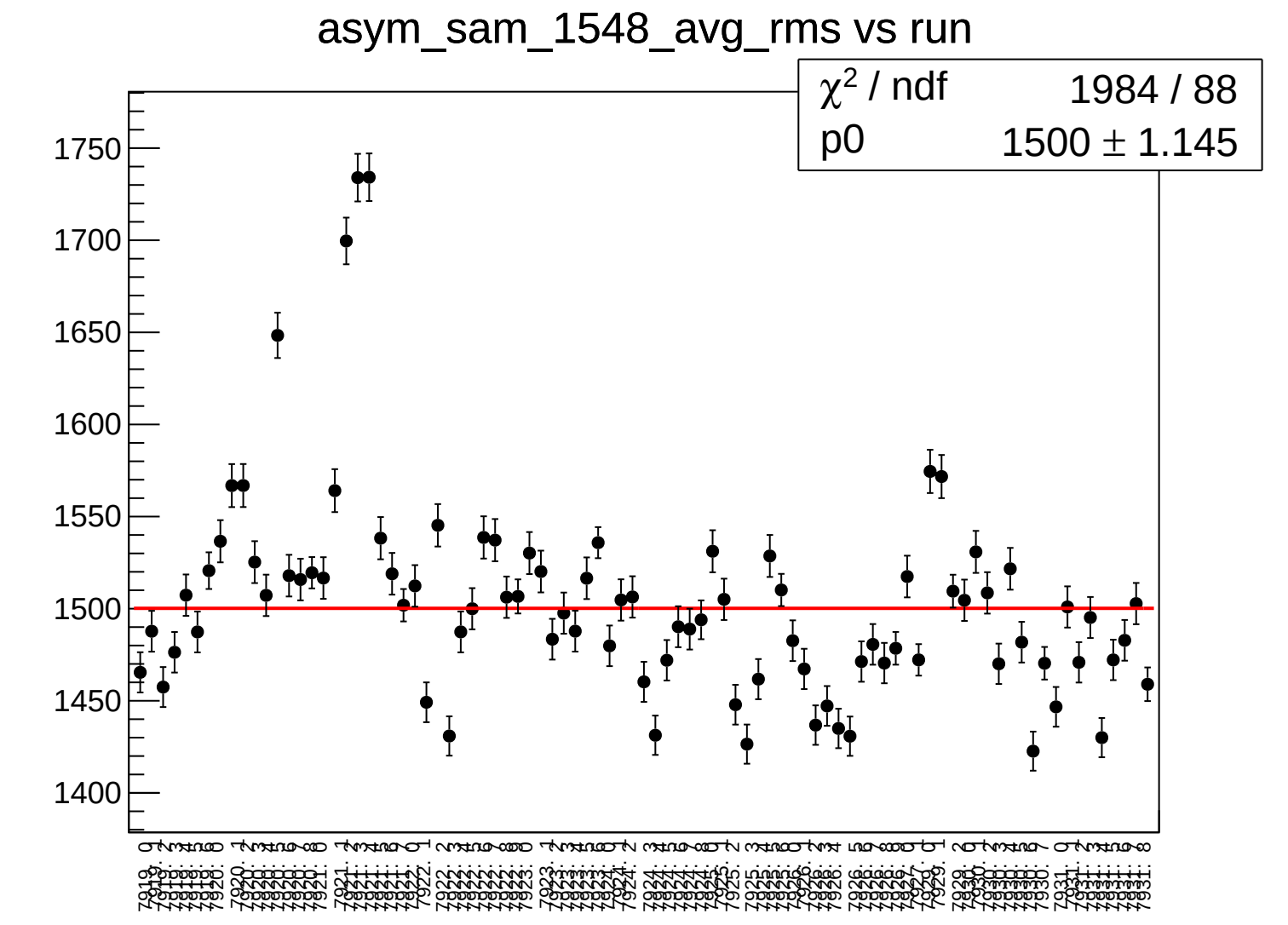

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 87.64 / 88
p0 −3095 ± 1624
pull
Entries 89
Mean −325.4
Std Dev 371.4

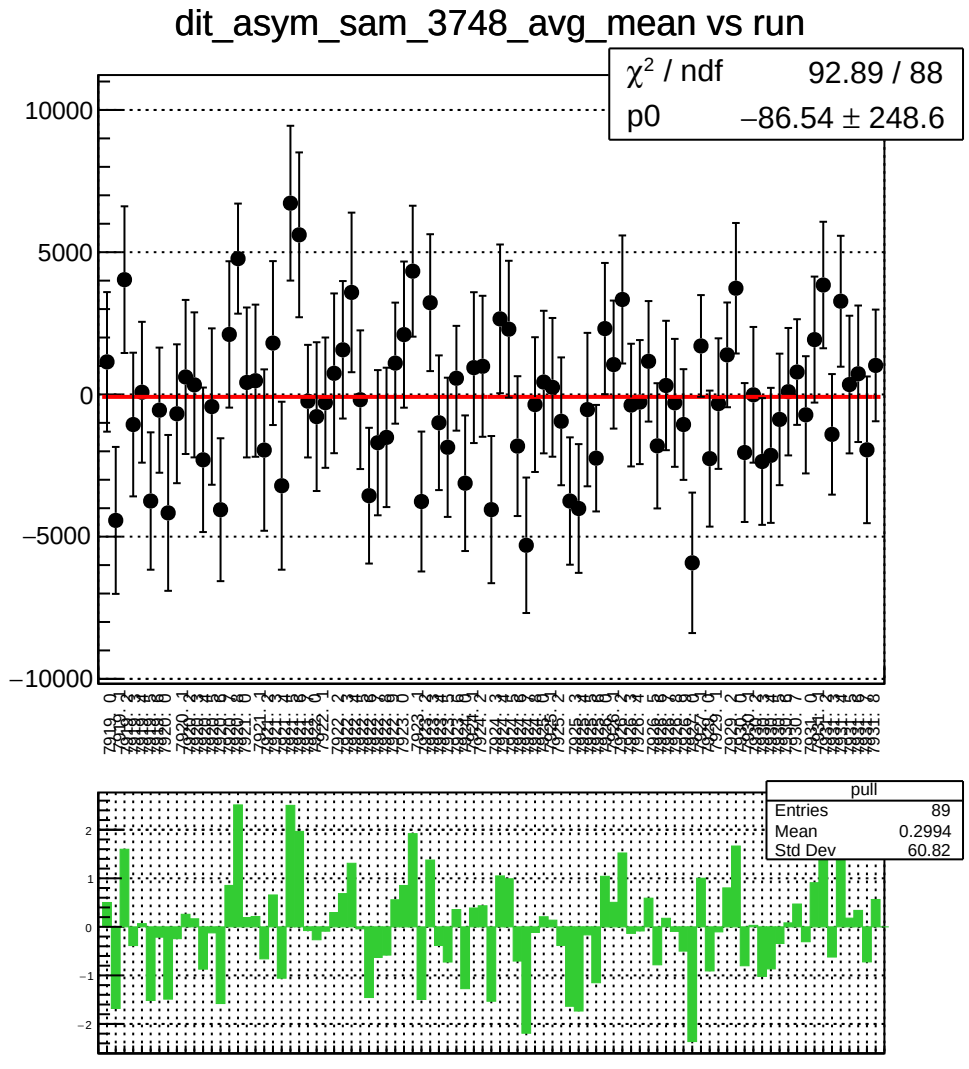

pull1D
Entries 89
Mean −0.01006
Std Dev 0.9923

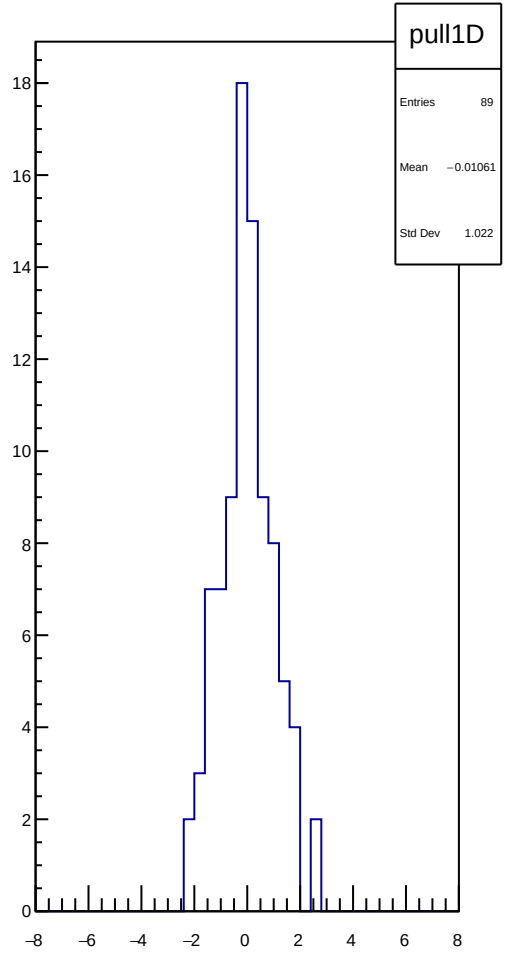

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2018 / 88
p0 1505 ± 1.149
1750
1700
1650
1600
1550
1500
1450
1400

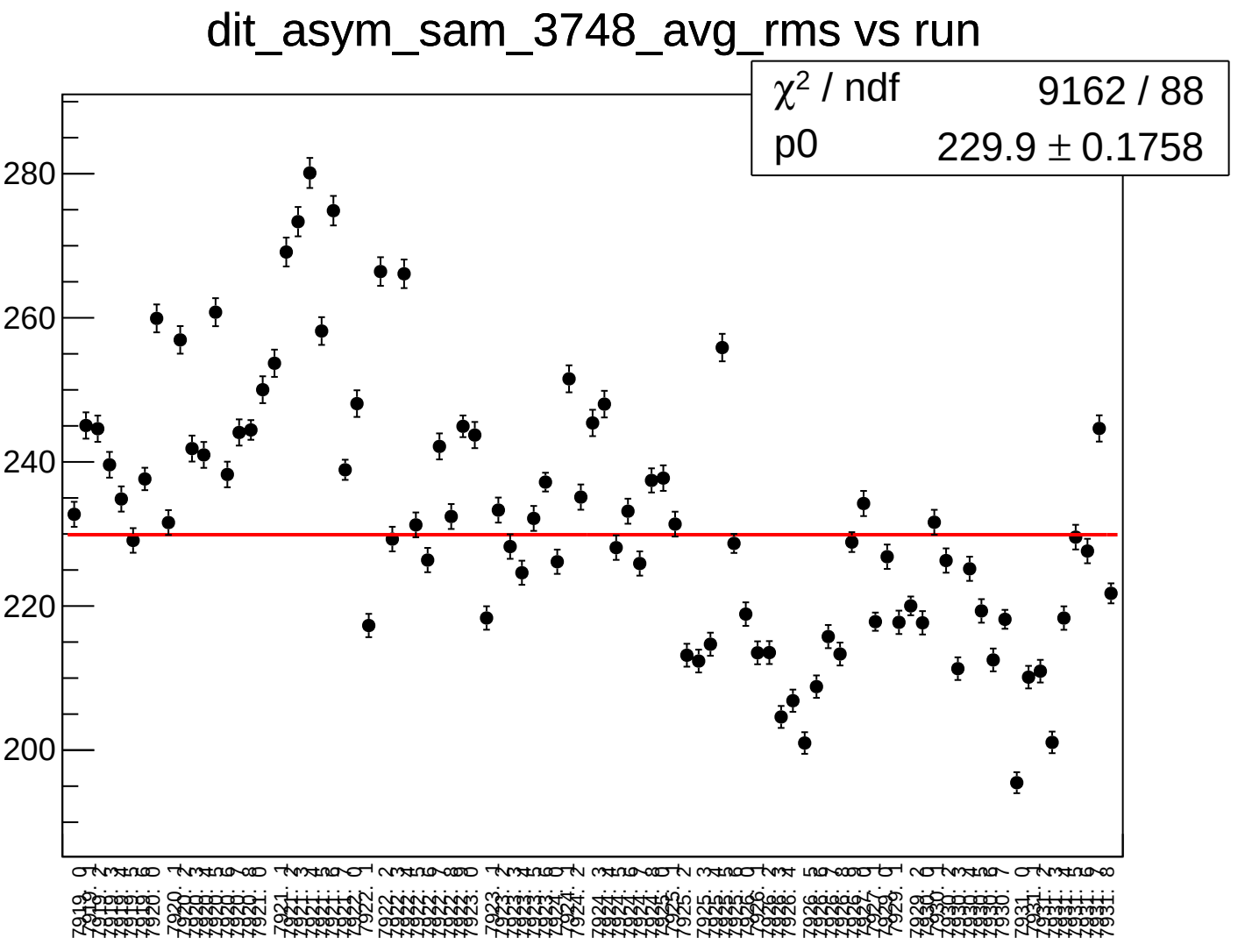

asym_sam_1548_avg_mean vs run
χ² / ndf 87.2 / 88
p0 3047 ± 1619
pull
Entries 89
Mean −418.2
Std Dev 463.8

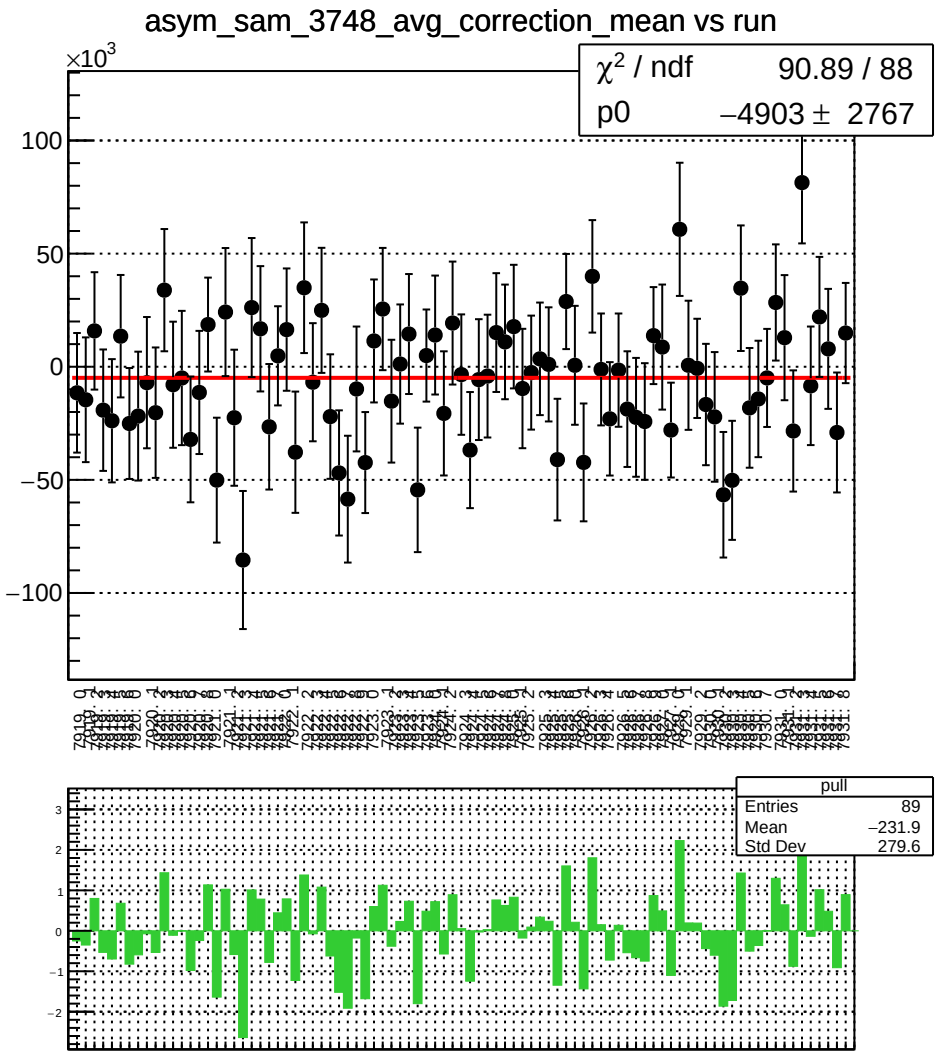

pull1D
Entries 89
Mean 0.008108
Std Dev 0.9898

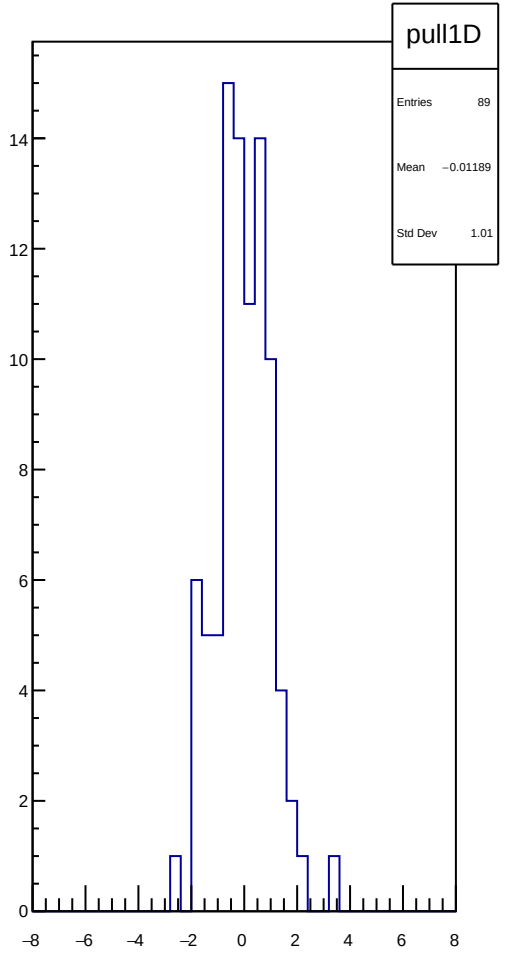

asym_sam_1548_avg_rms vs run
χ² / ndf 1984 / 88
p0 1500 ± 1.145
1750
1700
1650
1600
1550
1500
1450
1400

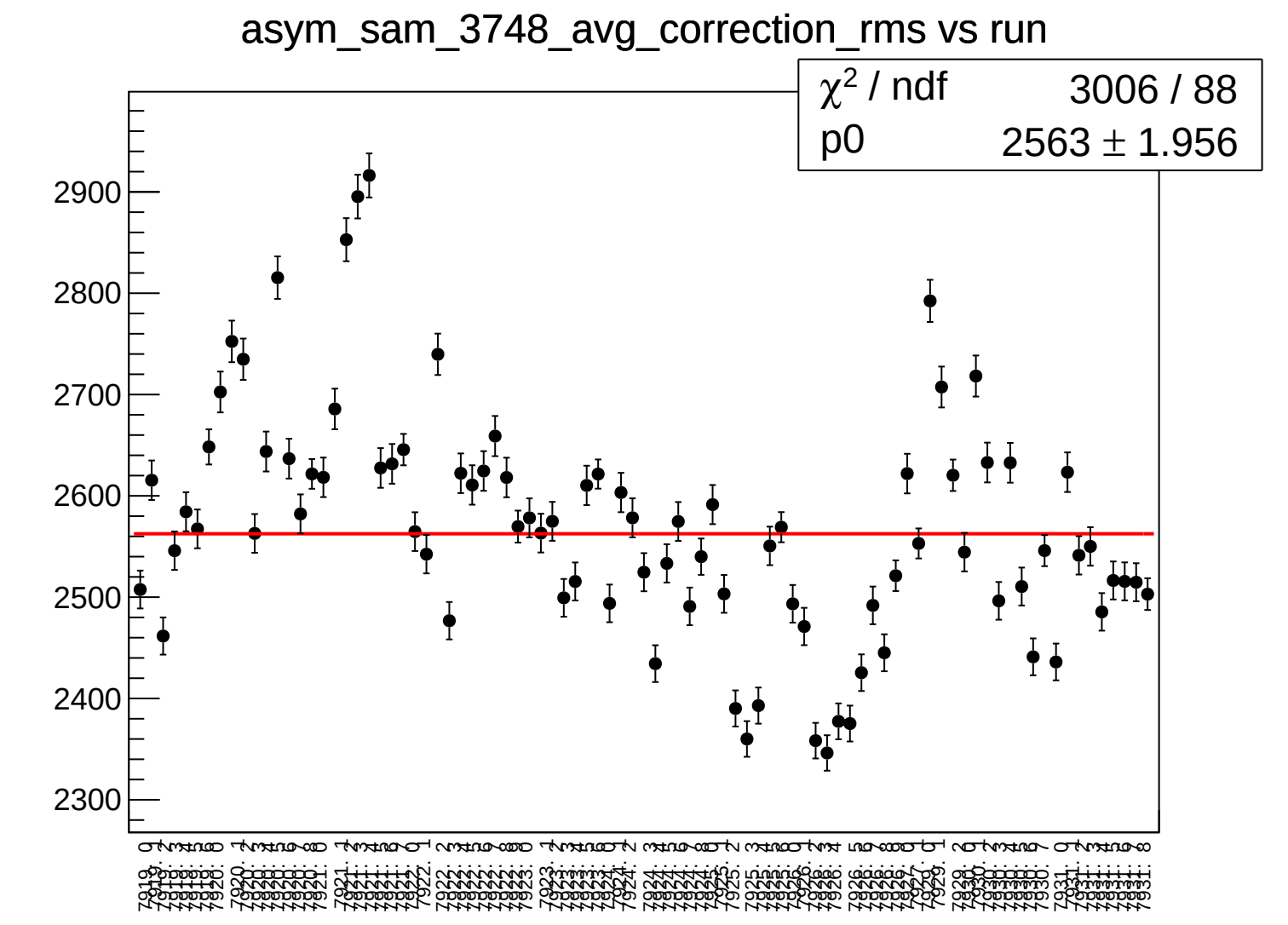

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 92.89 / 88
p0 −86.54 ± 248.6
10000
5000
0
−5000
−10000
pull
Entries 89
Mean 0.2994
Std Dev 60.82
2
1
0
−1
−2

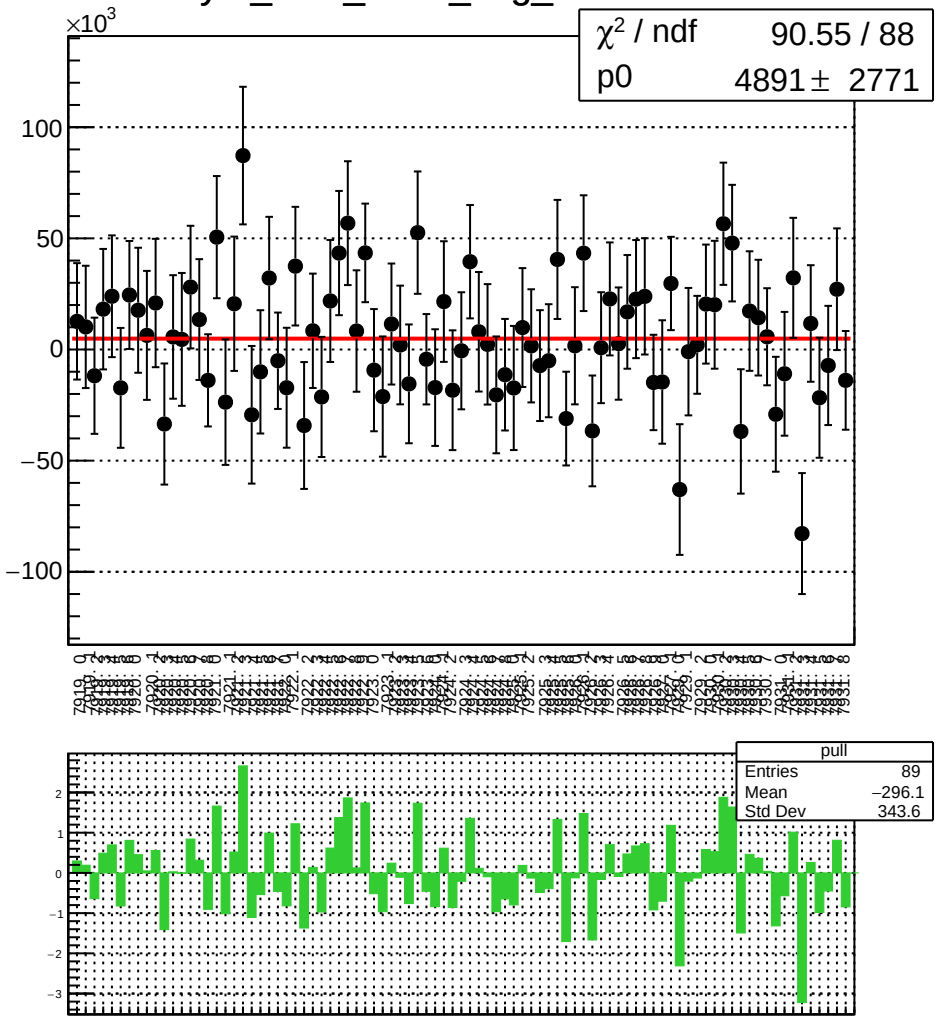

pull1D
Entries 89
Mean −0.01061
Std Dev 1.022
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

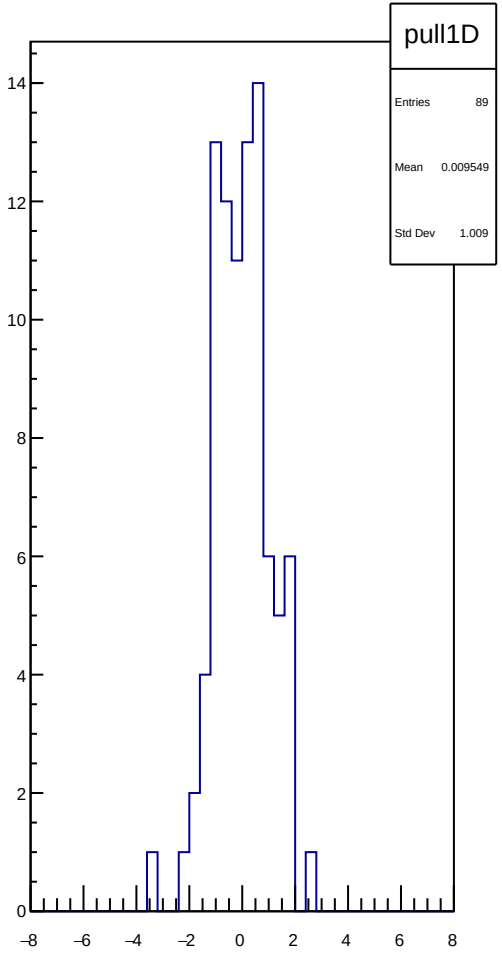

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 9162 / 88
p0 229.9 ± 0.1758
280
260
240
220
200

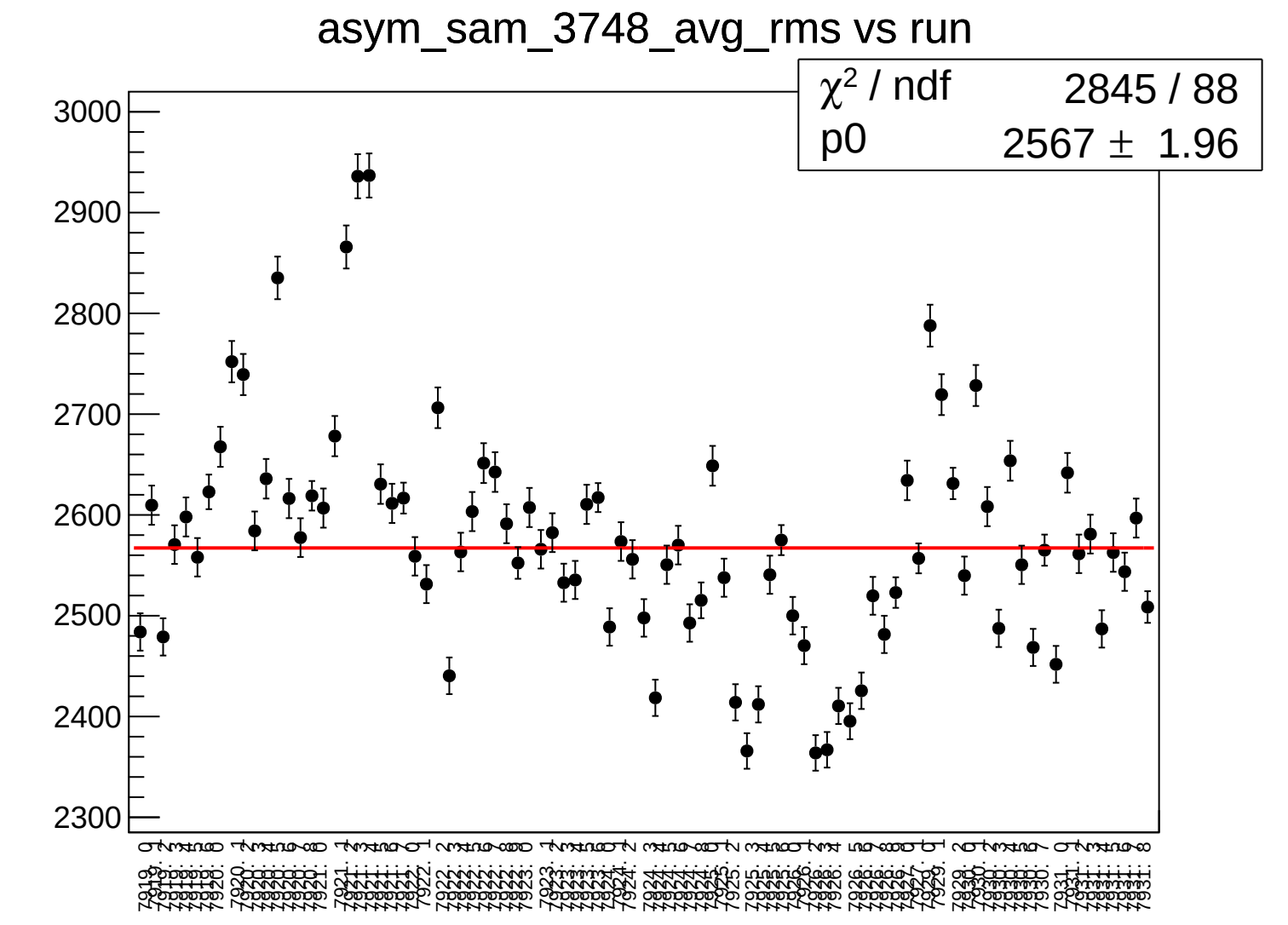

asym_sam_3748_avg_correction_mean vs run
×10^3
χ^2 / ndf 90.89 / 88
p0 −4903 ± 2767
100
50
0
−50
−100
pull
Entries 89
Mean −231.9
Std Dev 279.6
3
2
1
0
−1
−2

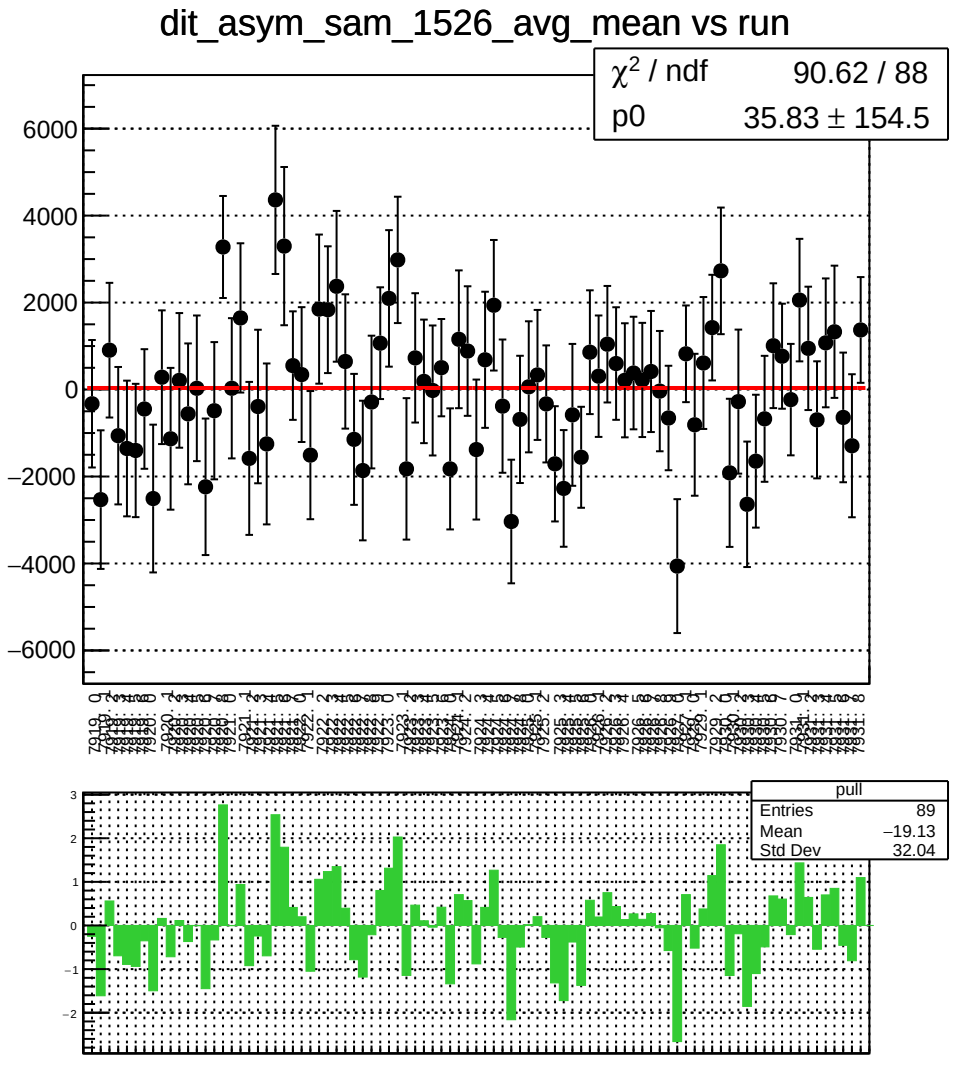

pull1D
Entries 89
Mean −0.01189
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

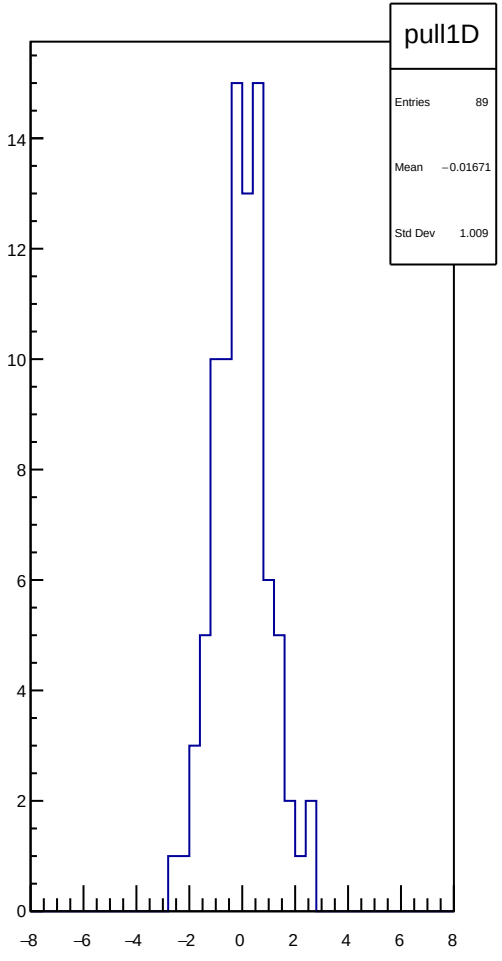

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3006 / 88
p0 2563 ± 1.956
2900
2800
2700
2600
2500
2400
2300

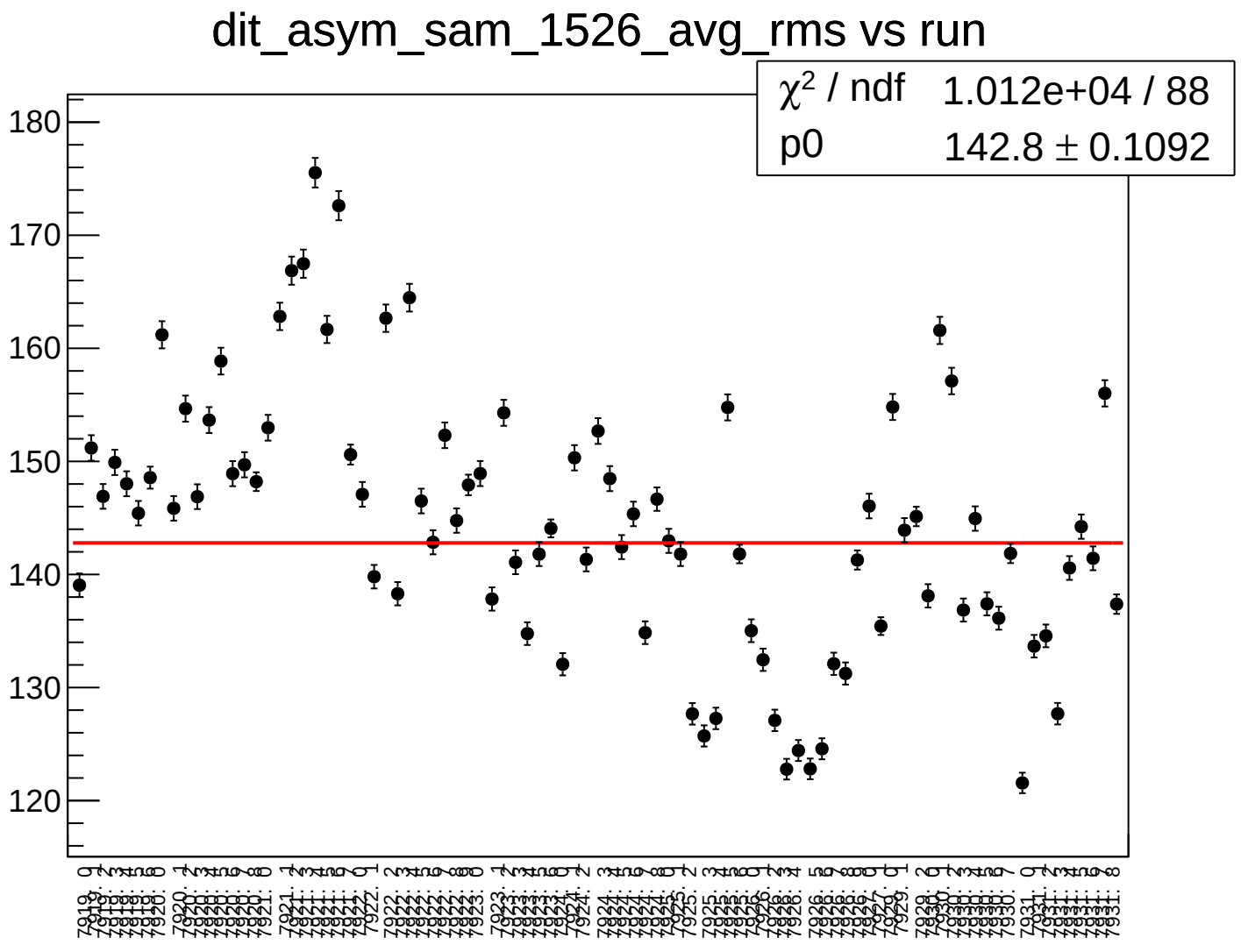

asym_sam_3748_avg_mean vs run
χ² / ndf 90.55 / 88
p0 4891 ± 2771
×10³
100
50
0
−50
−100
pull
Entries 89
Mean −296.1
Std Dev 343.6
2
1
0
−1
−2
−3

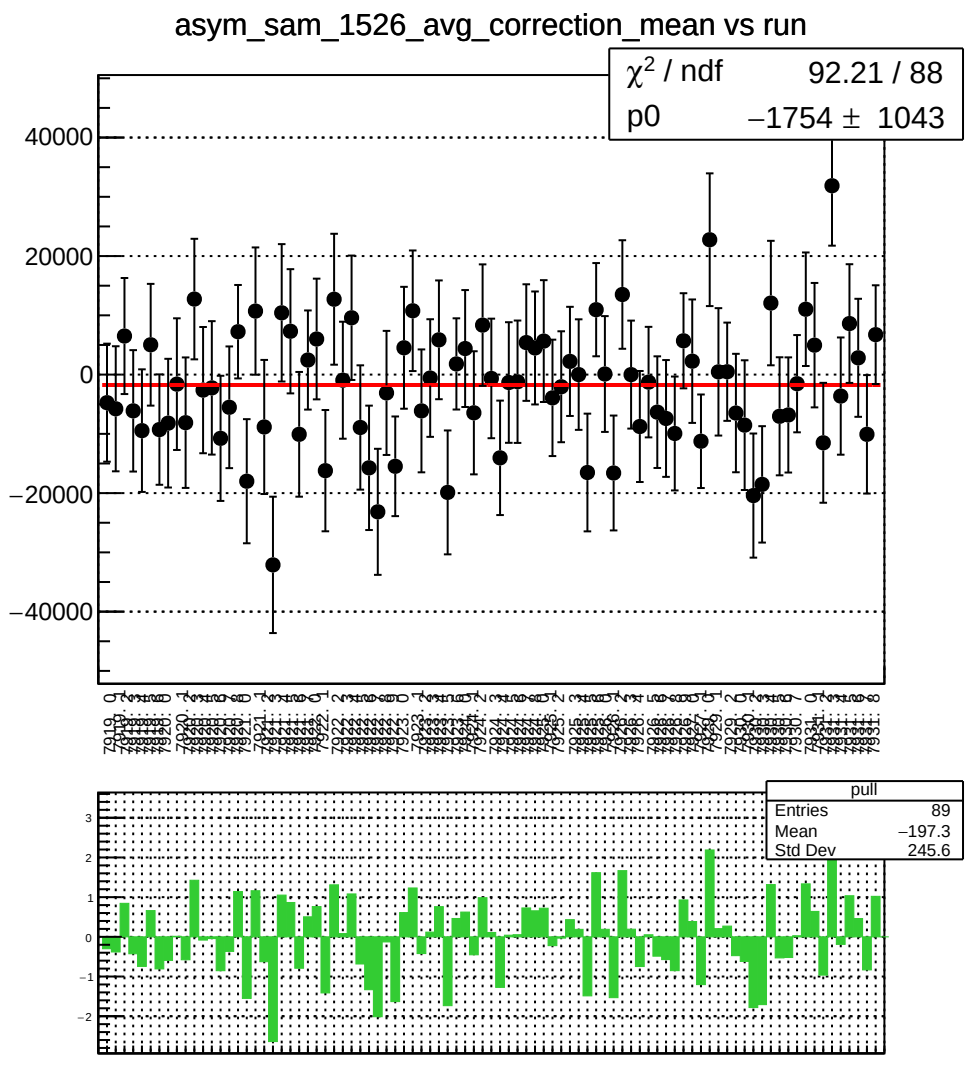

pull1D
Entries 89
Mean 0.009549
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

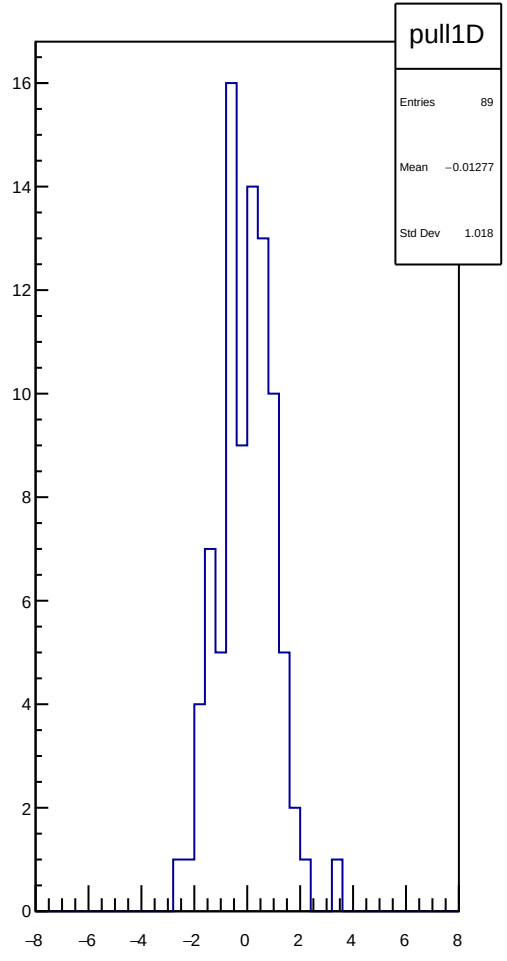

asym_sam_3748_avg_rms vs run
χ² / ndf 2845 / 88
p0 2567 ± 1.96
3000
2900
2800
2700
2600
2500
2400
2300

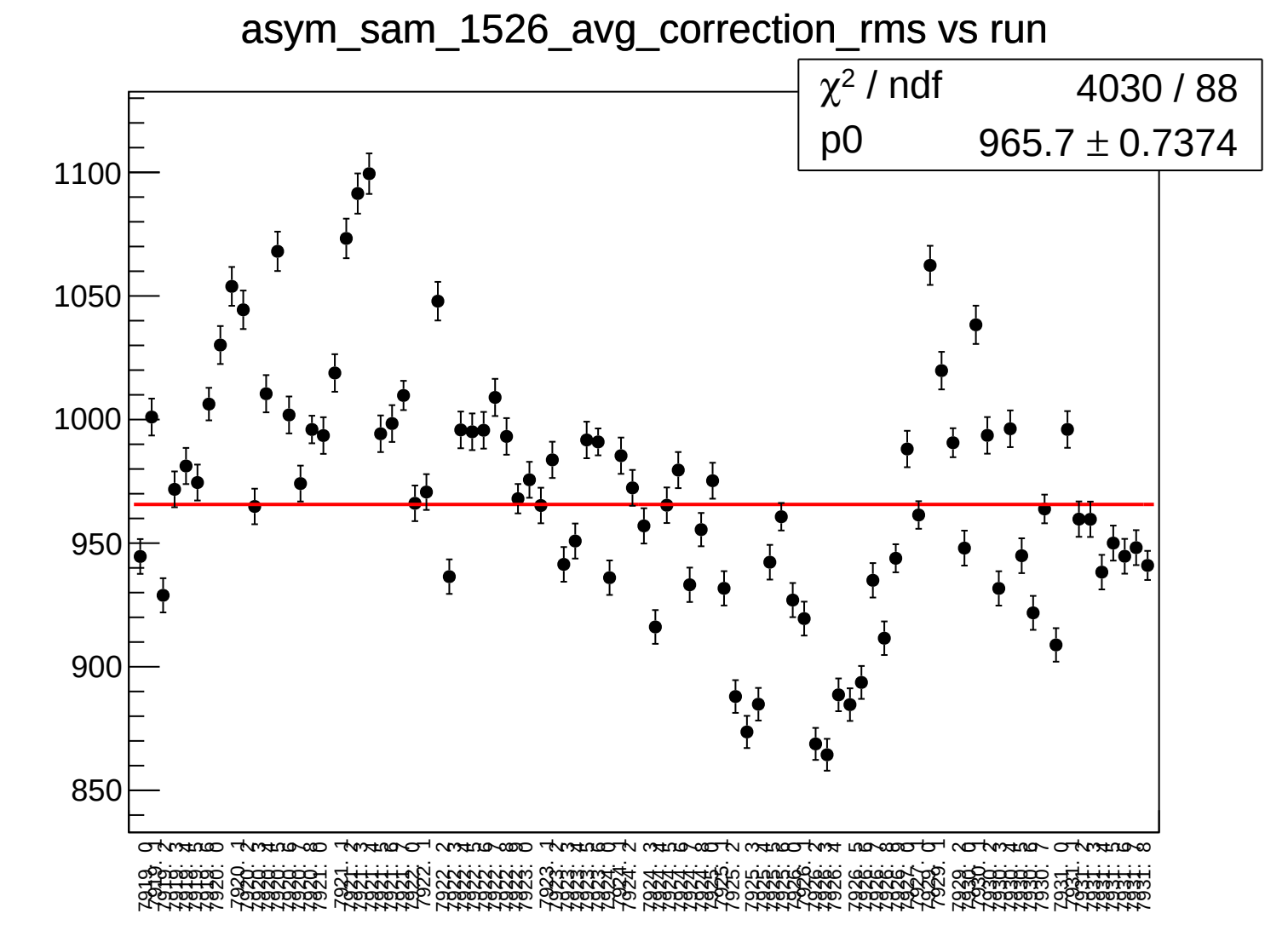

dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 90.62 / 88
p0 35.83 ± 154.5
pull
Entries 89
Mean −19.13
Std Dev 32.04

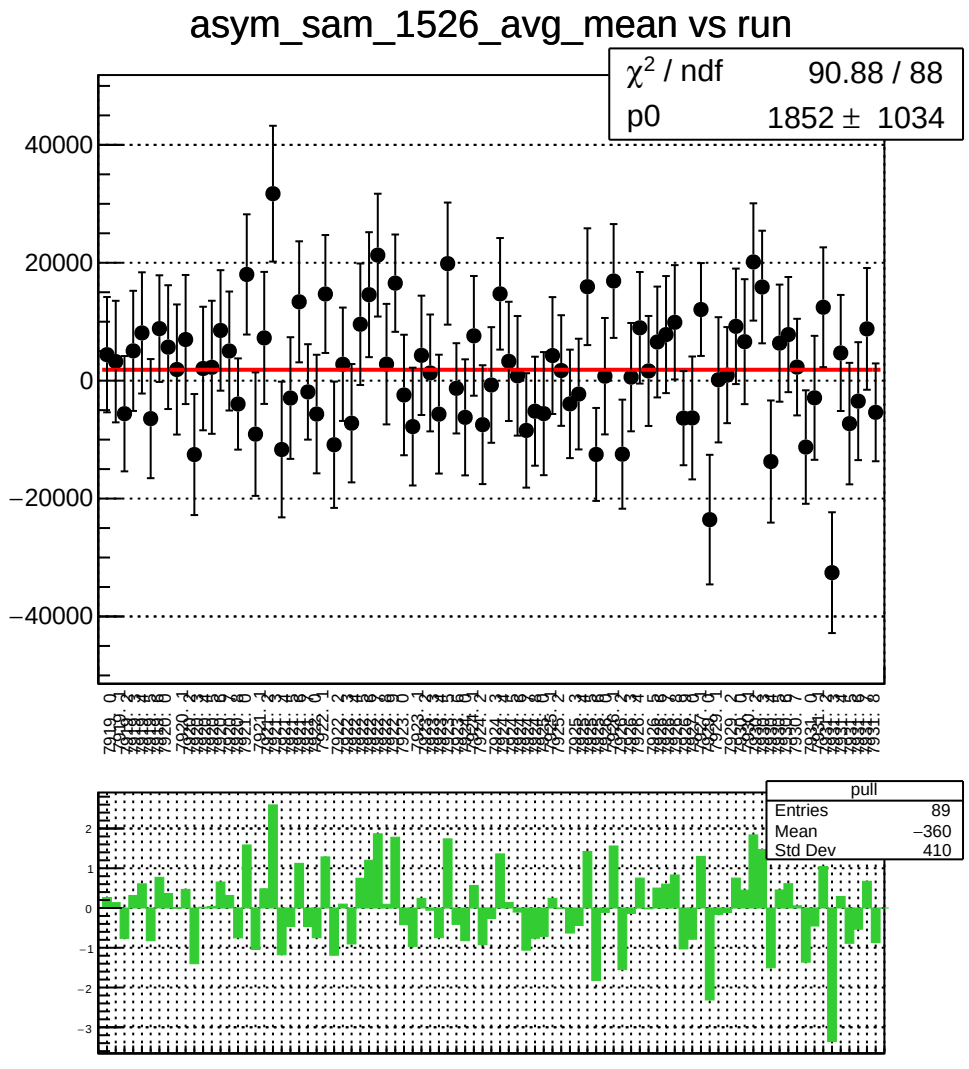

pull1D
Entries 89
Mean −0.01671
Std Dev 1.009

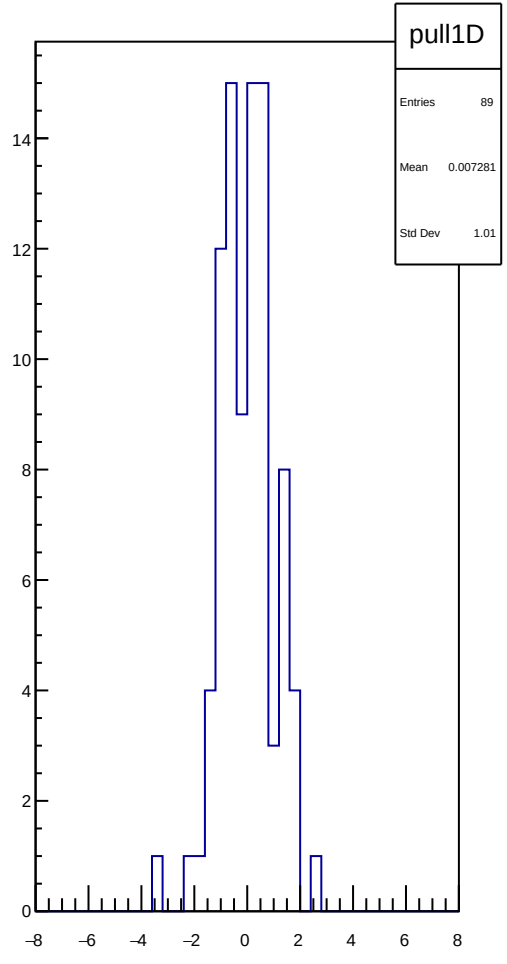

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.012e+04 / 88
p0 142.8 ± 0.1092
180
170
160
150
140
130
120

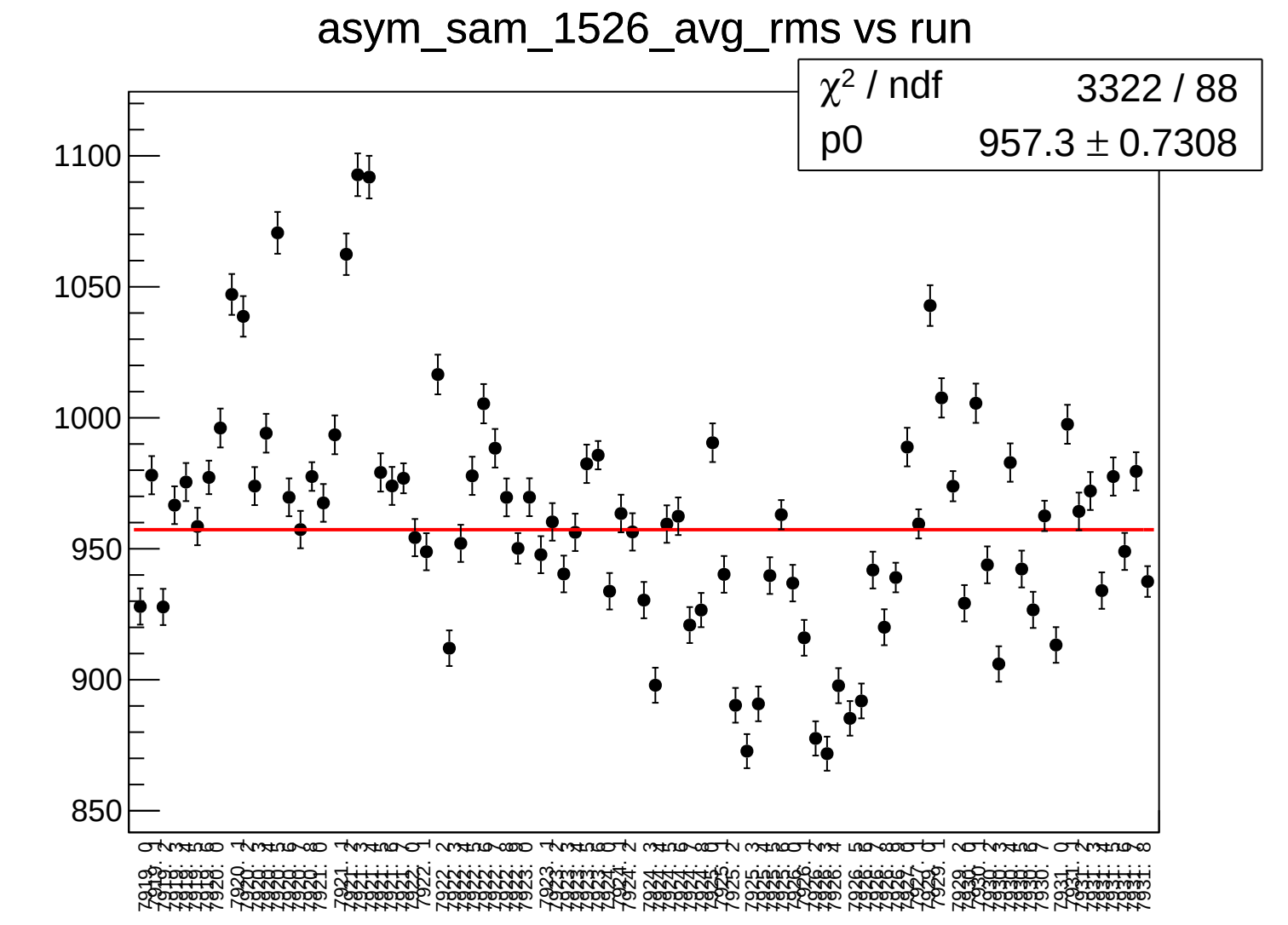

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 92.21 / 88
p0 −1754 ± 1043
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −197.3
Std Dev 245.6
3
2
1
0
−1
−2

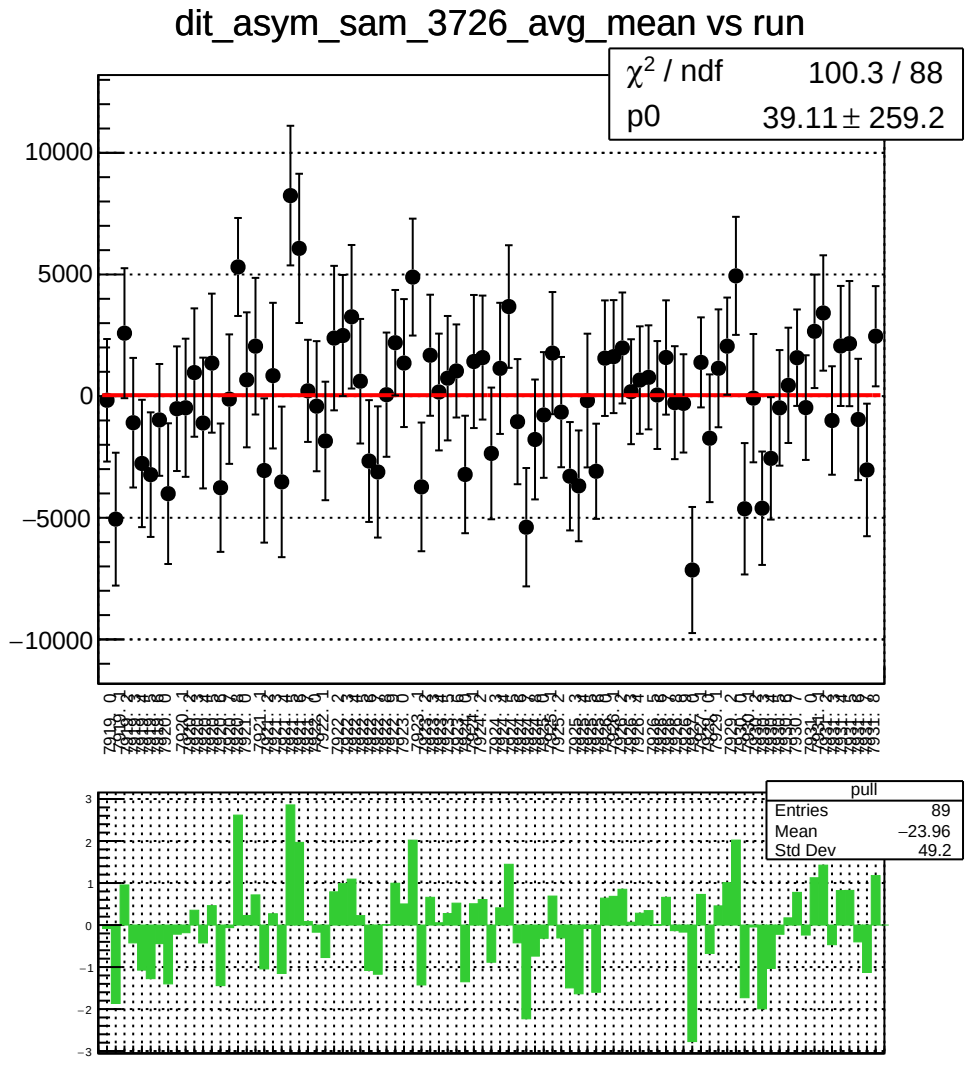

pull1D
Entries 89
Mean −0.01277
Std Dev 1.018
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

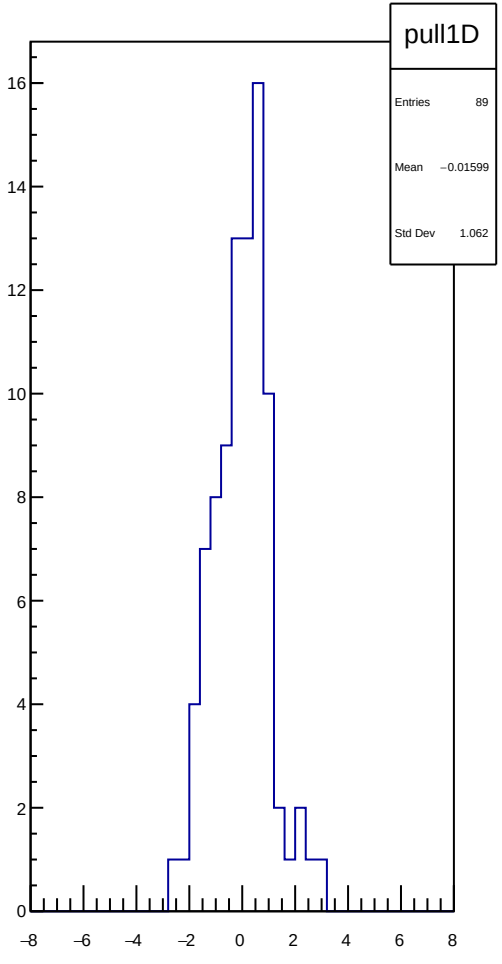

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 4030 / 88
p0 965.7 ± 0.7374
1100
1050
1000
950
900
850

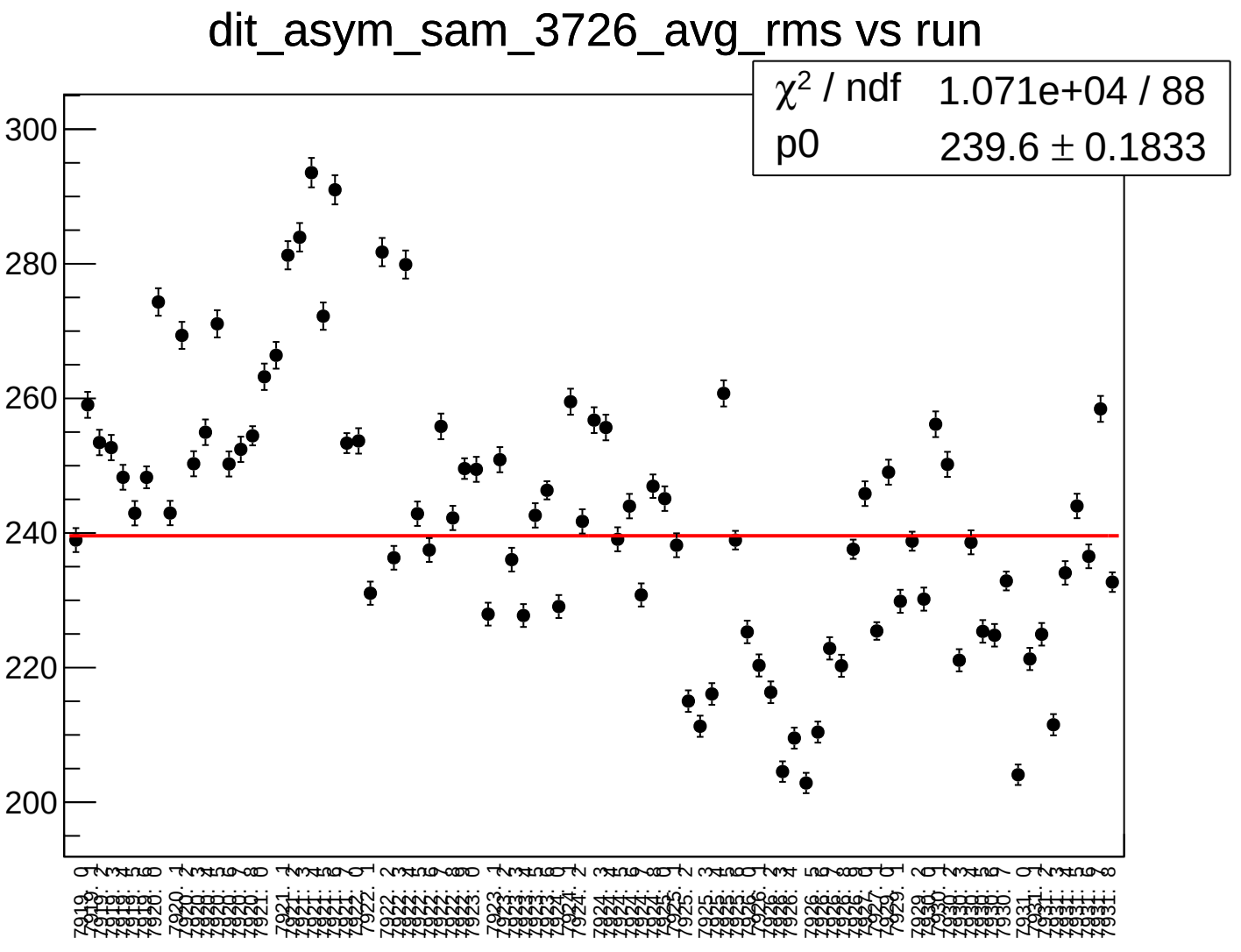

asym_sam_1526_avg_mean vs run
χ² / ndf 90.88 / 88
p0 1852 ± 1034
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −360
Std Dev 410
2
1
0
−1
−2
−3

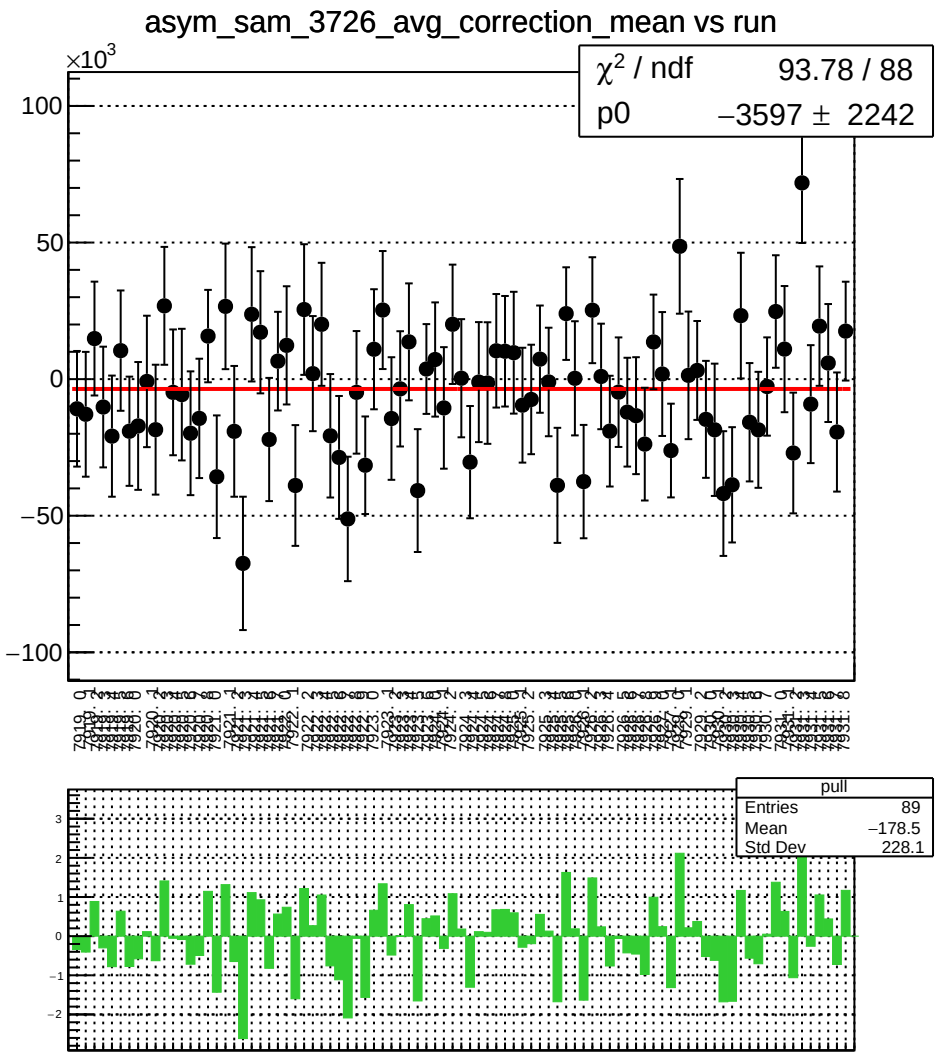

pull1D
Entries 89
Mean 0.007281
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

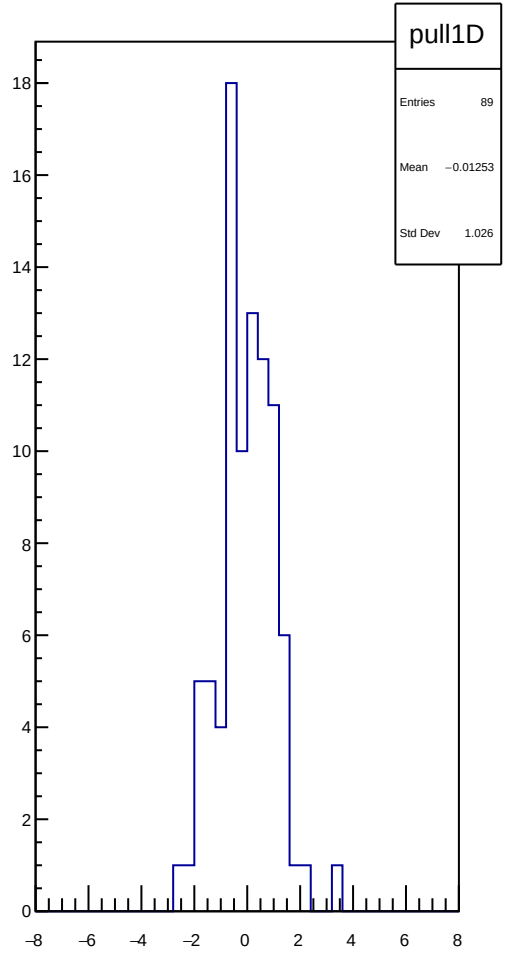

asym_sam_1526_avg_rms vs run
χ² / ndf 3322 / 88
p0 957.3 ± 0.7308
1100
1050
1000
950
900
850

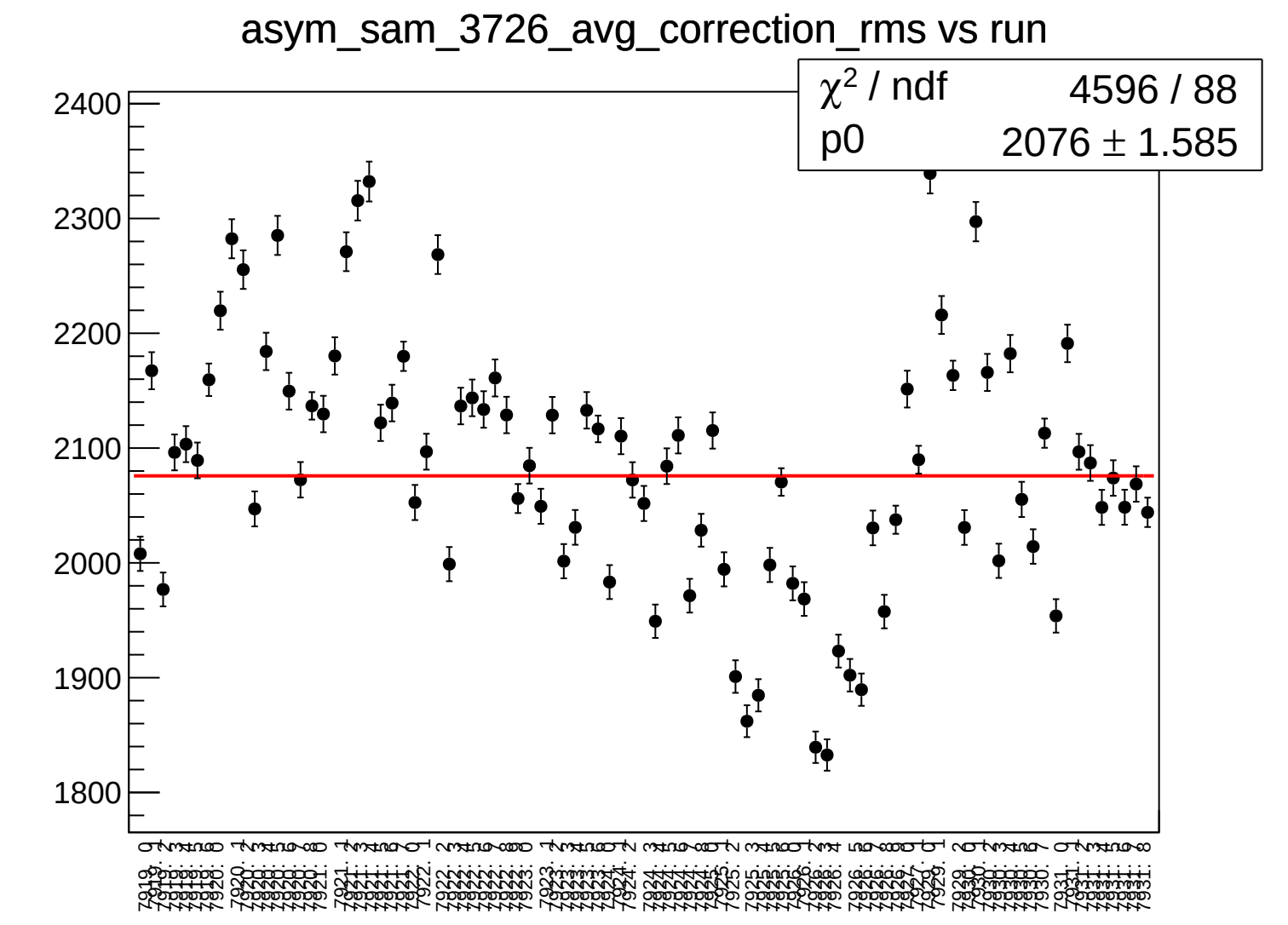

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 100.3 / 88
p0 39.11 ± 259.2
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −23.96
Std Dev 49.2
3
2
1
0
−1
−2
−3

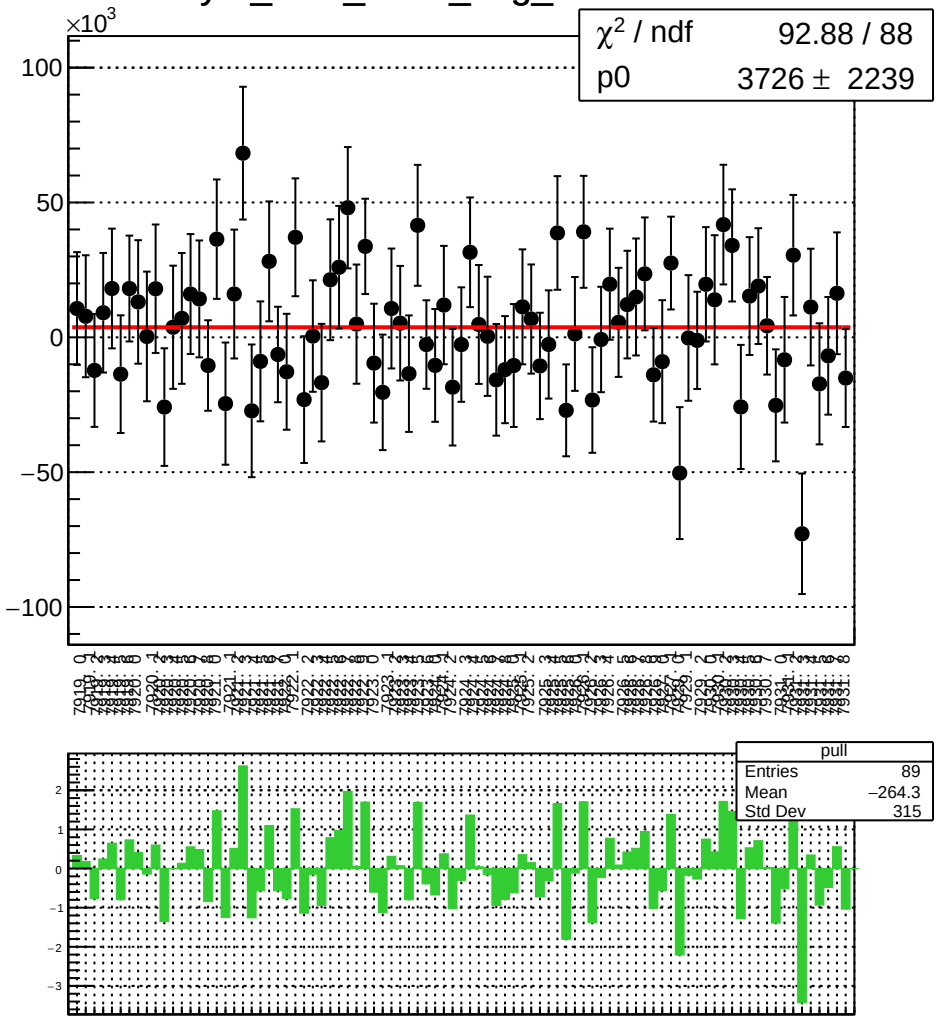

pull1D
Entries 89
Mean −0.01599
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

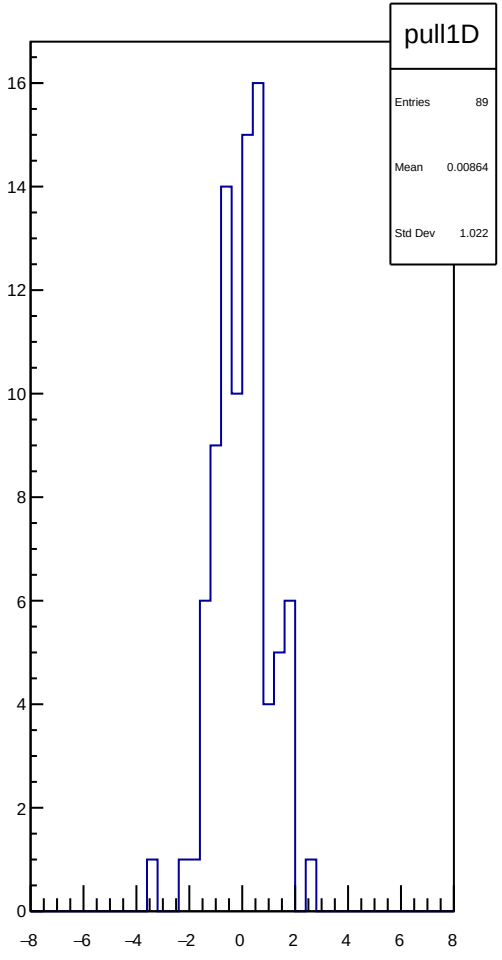

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.071e+04 / 88
p0 239.6 ± 0.1833
300
280
260
240
220
200

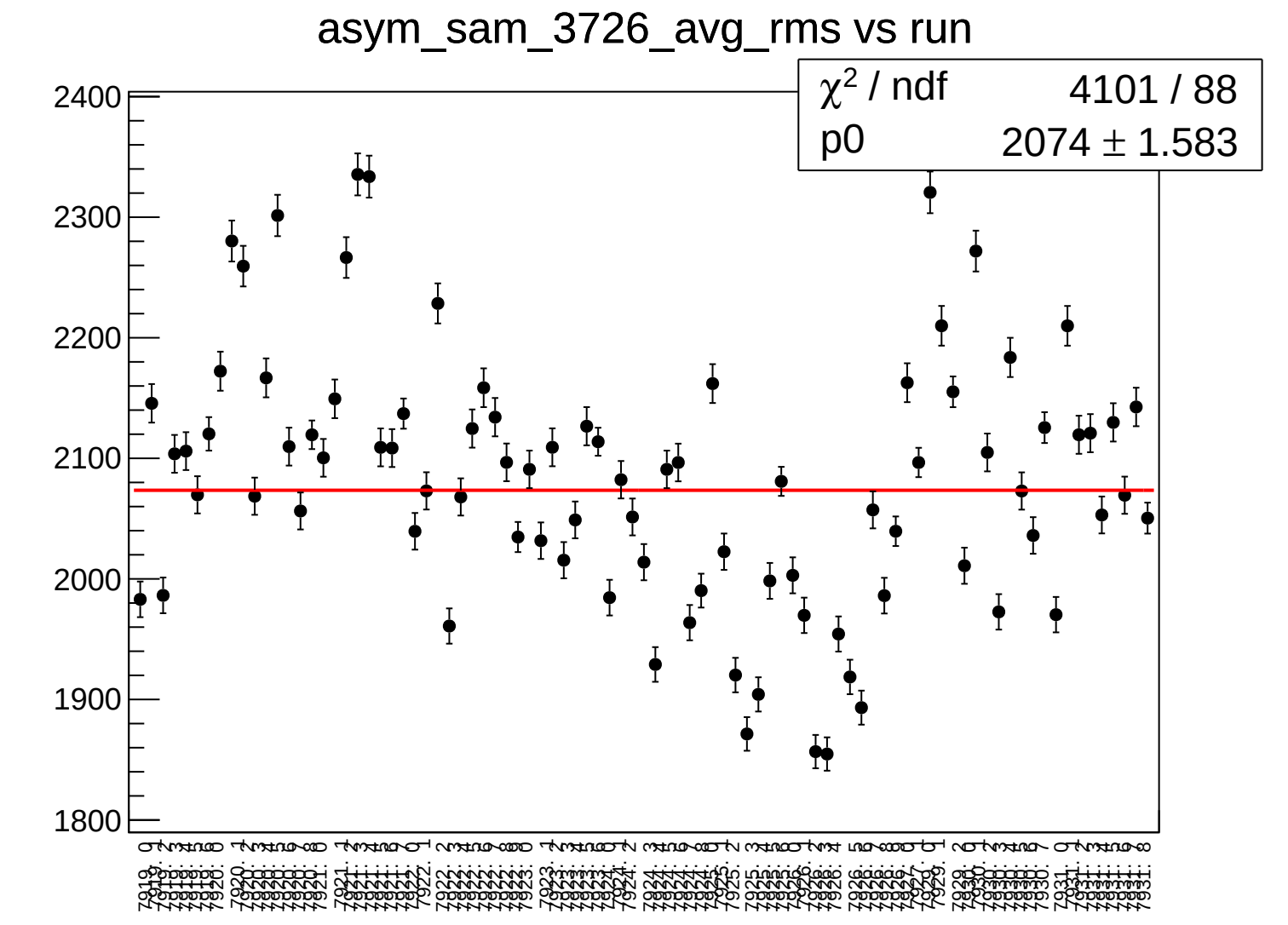

asym_sam_3726_avg_correction_mean vs run
×10^3
χ² / ndf 93.78 / 88
p0 −3597 ± 2242
100
50
0
−50
−100
pull
Entries 89
Mean −178.5
Std Dev 228.1
3
2
1
0
−1
−2

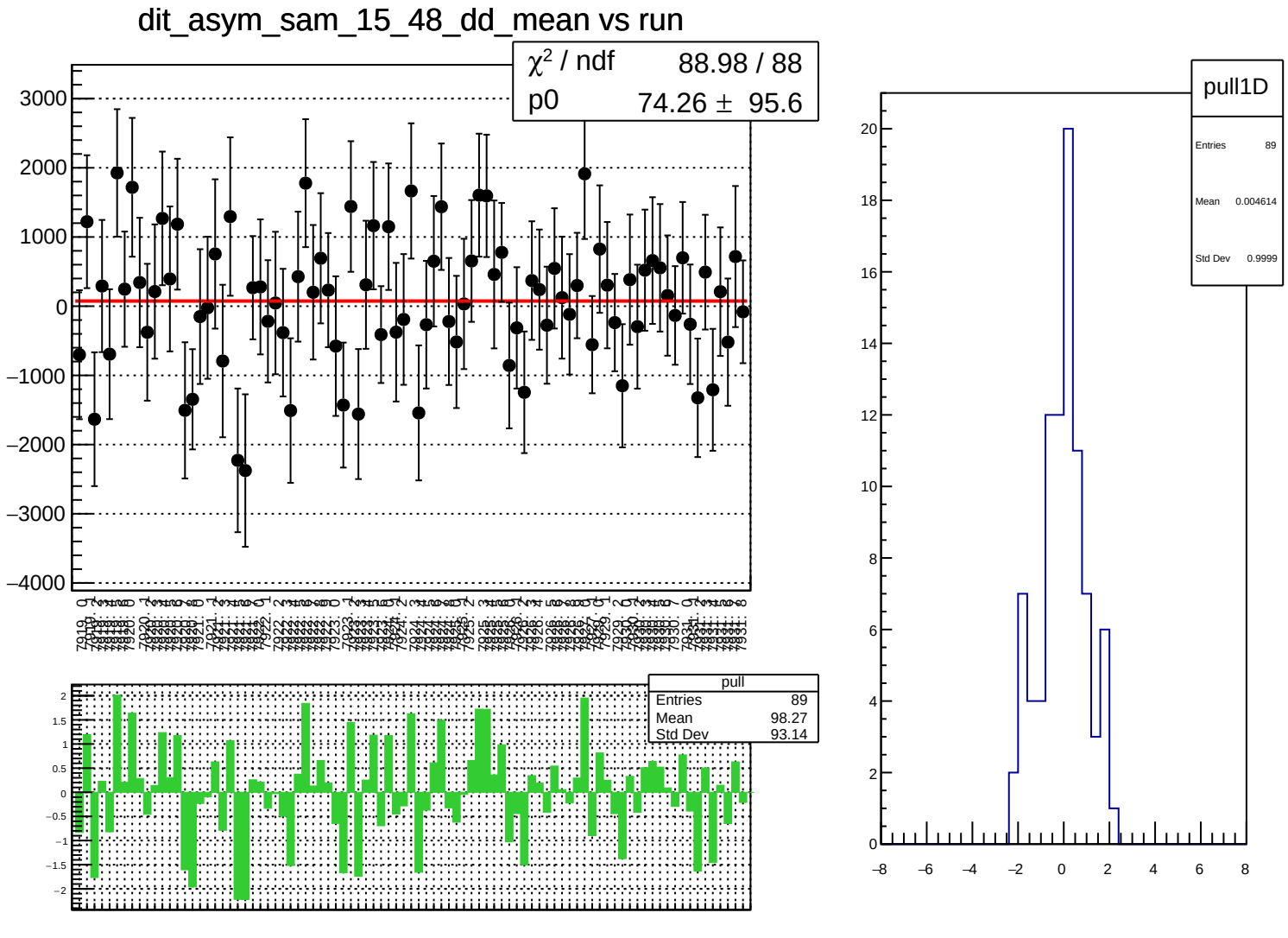

pull1D
Entries 89
Mean −0.01253
Std Dev 1.026
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

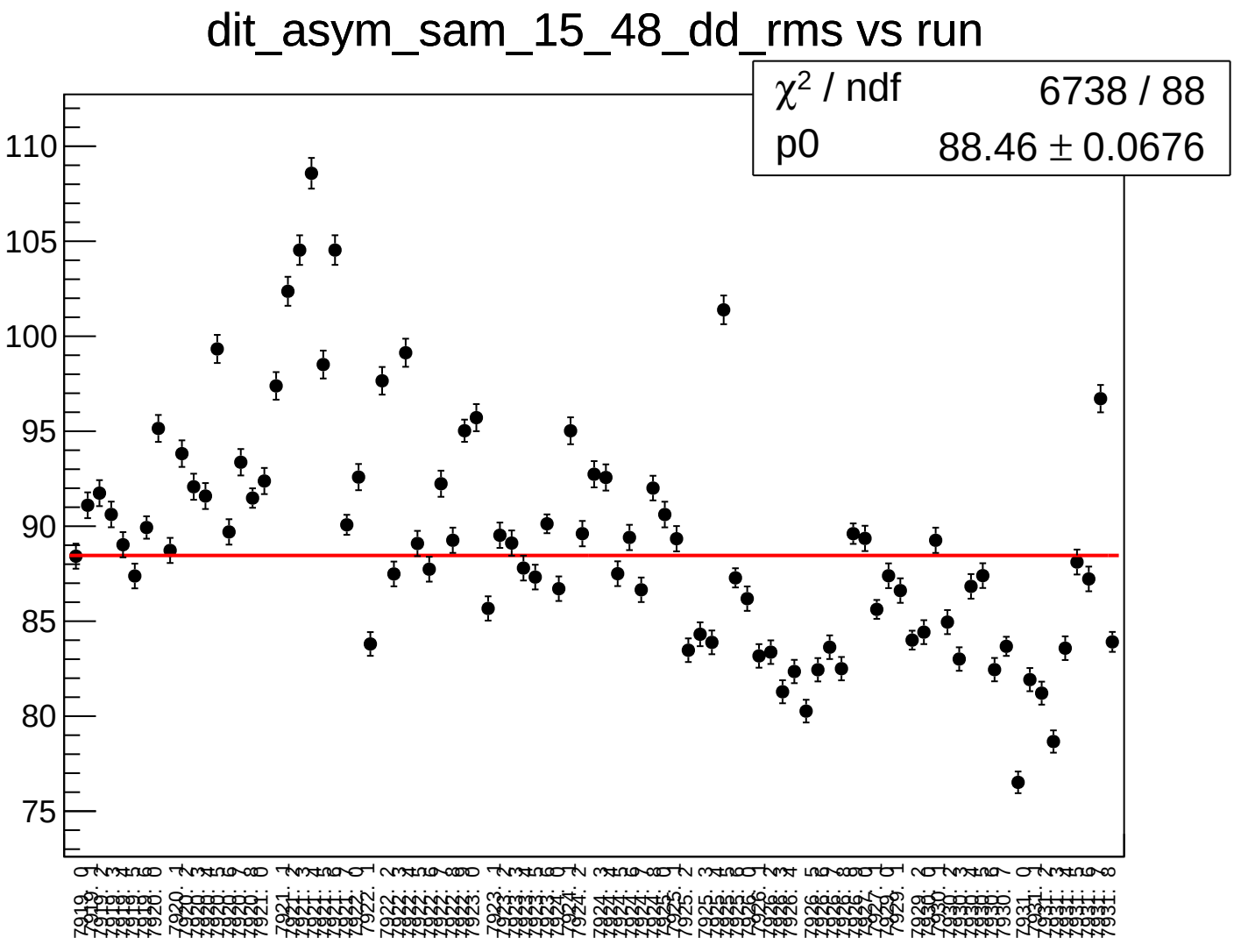

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4596 / 88
p0 2076 ± 1.585
2400
2300
2200
2100
2000
1900
1800

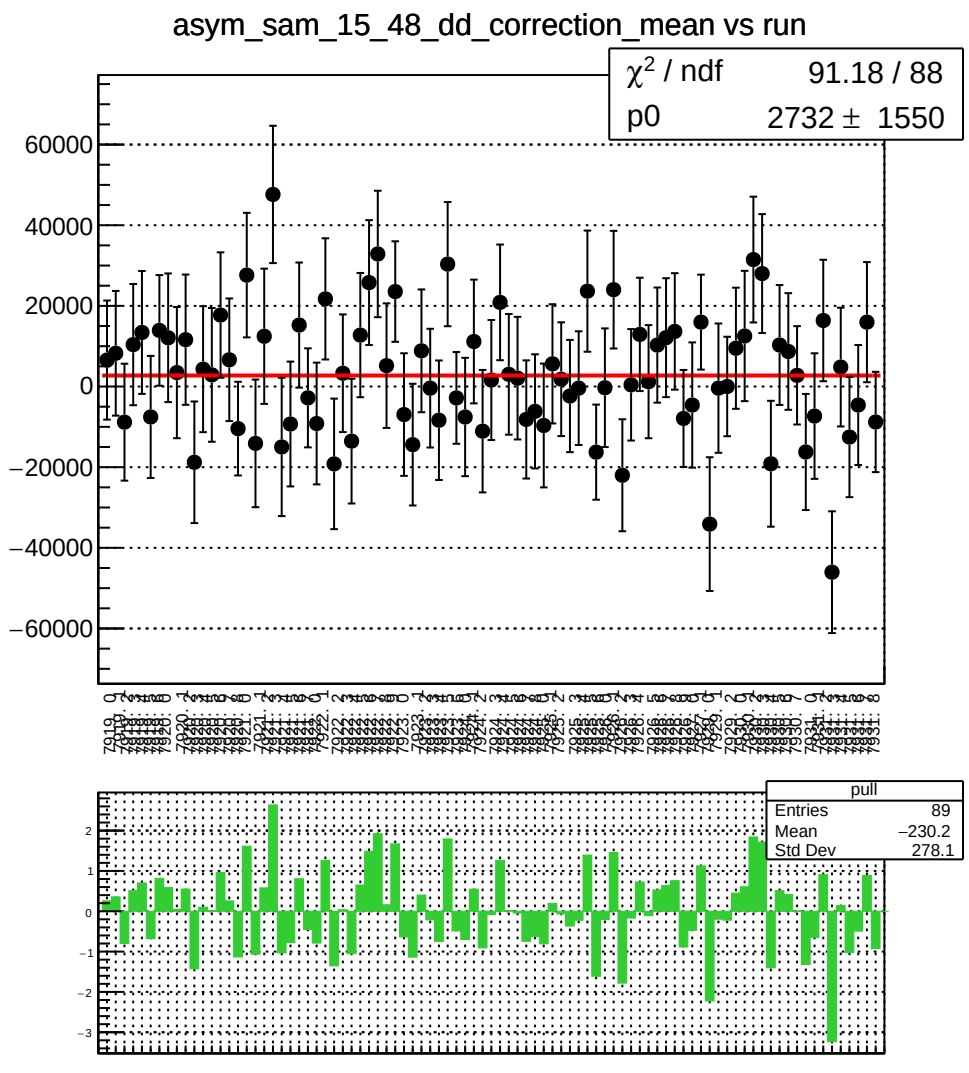

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 92.88 / 88
p0 3726 ± 2239
100
50
0
−50
−100
pull
Entries 89
Mean −264.3
Std Dev 315
2
1
0
−1
−2
−3

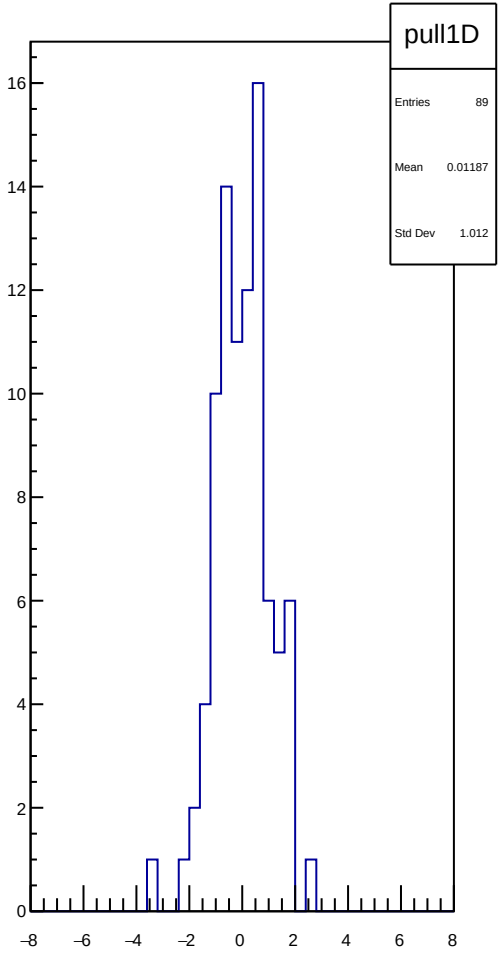

pull1D
Entries 89
Mean 0.00864
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

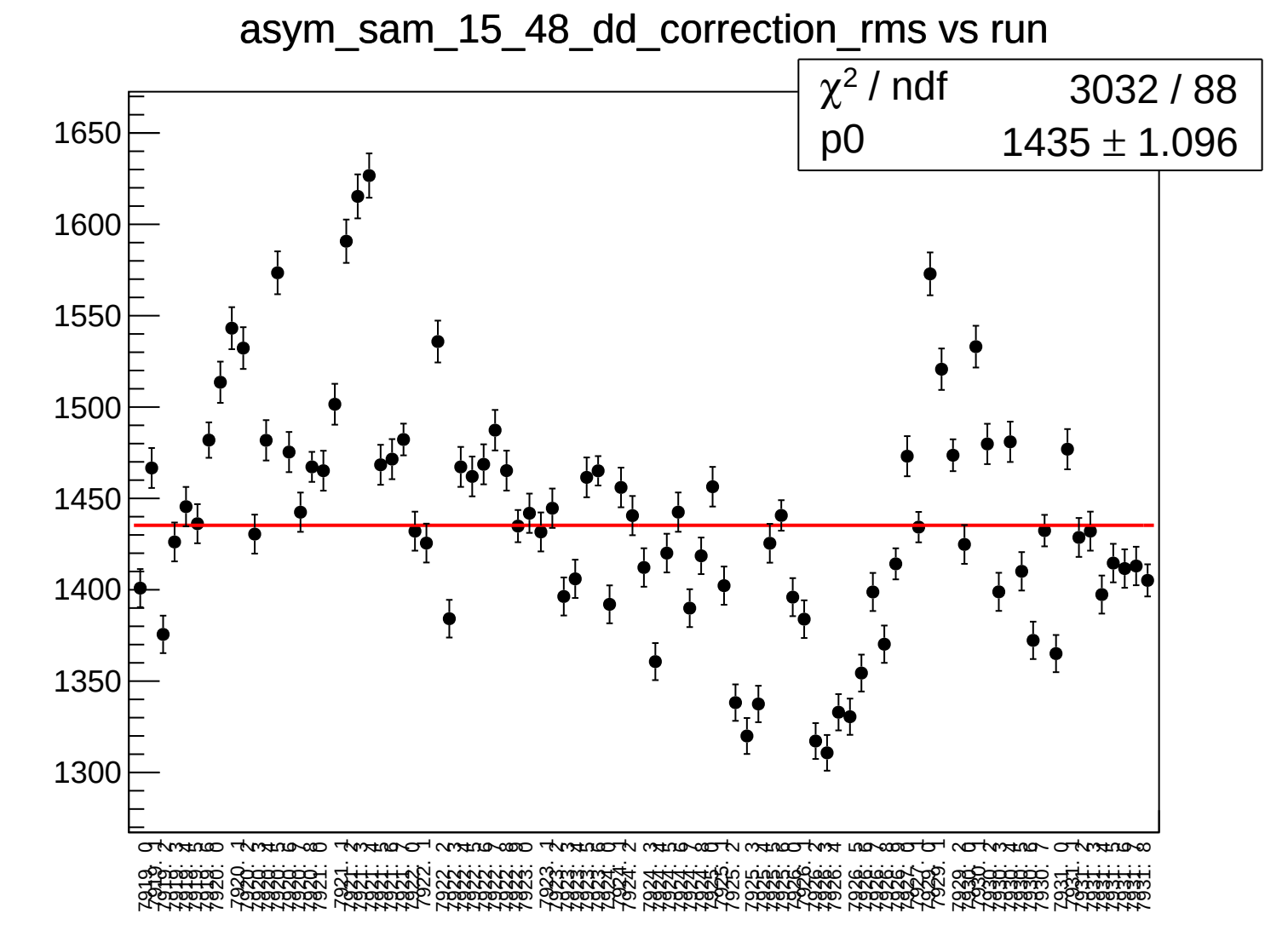

asym_sam_3726_avg_rms vs run
χ² / ndf 4101 / 88
p0 2074 ± 1.583
2400
2300
2200
2100
2000
1900
1800

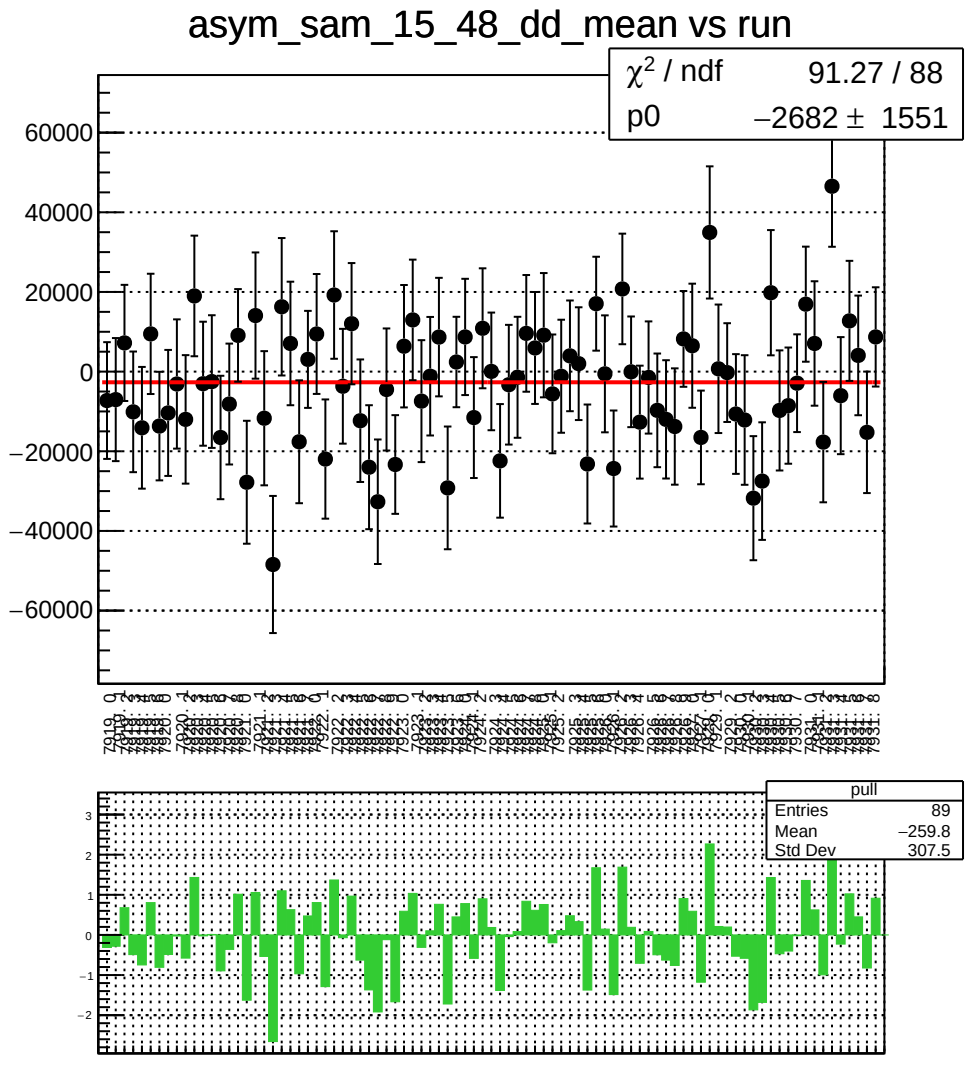

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 88.98 / 88
p0 74.26 ± 95.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 89
Mean 98.27
Std Dev 93.14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 89
Mean 0.004614
Std Dev 0.9999
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

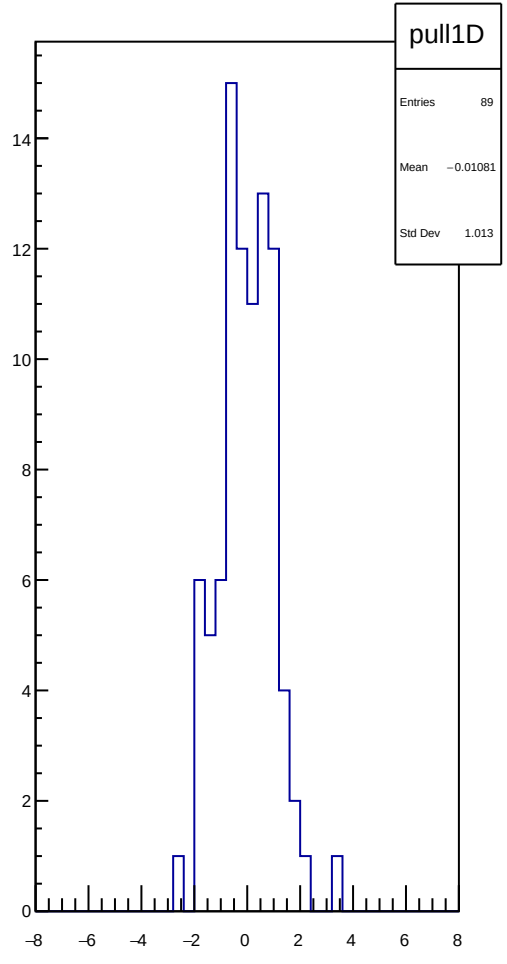

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 6738 / 88
p0 88.46 ± 0.0676
110
105
100
95
90
85
80
75

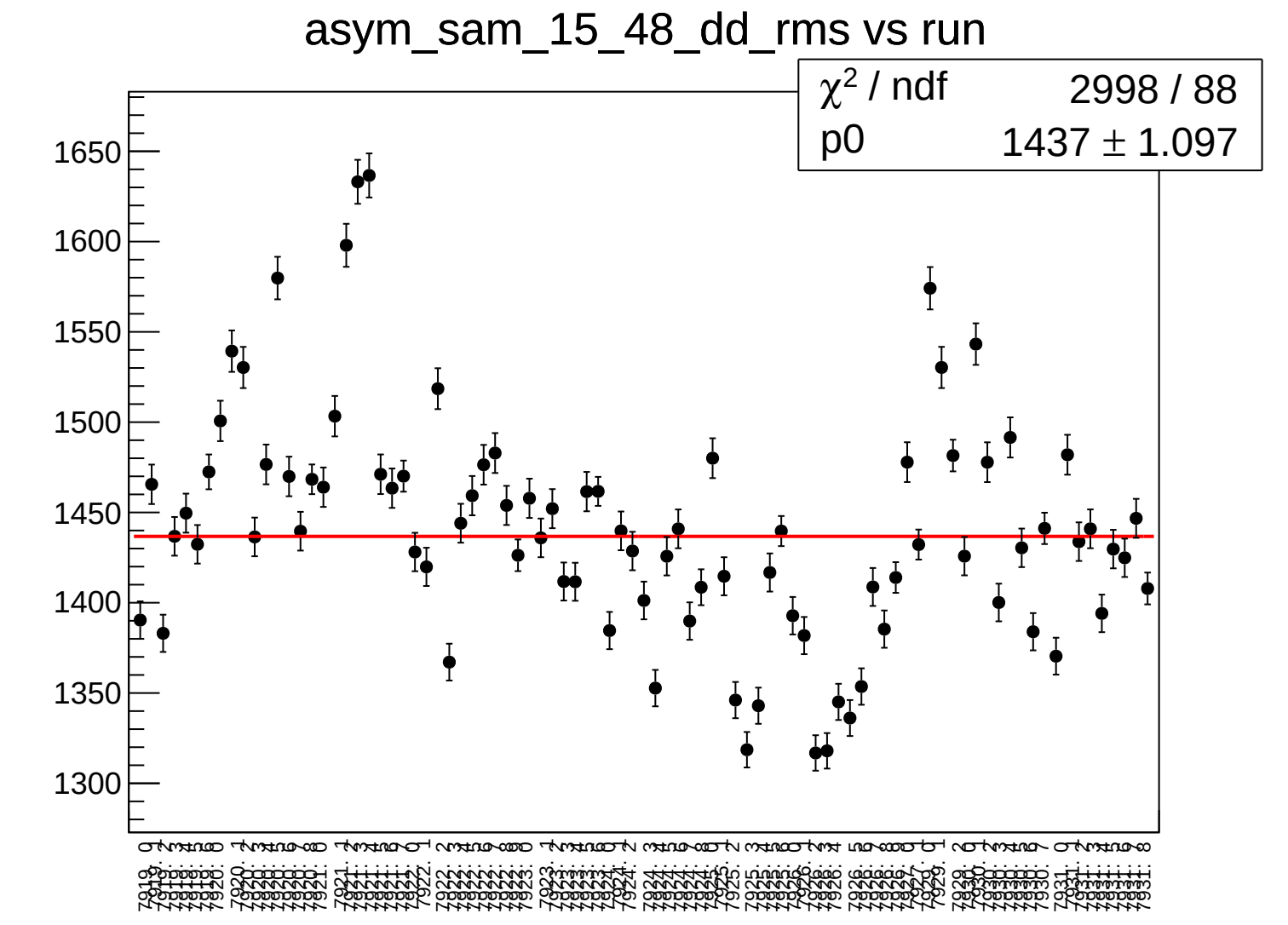

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 91.18 / 88
p0 2732 ± 1550
pull
Entries 89
Mean −230.2
Std Dev 278.1

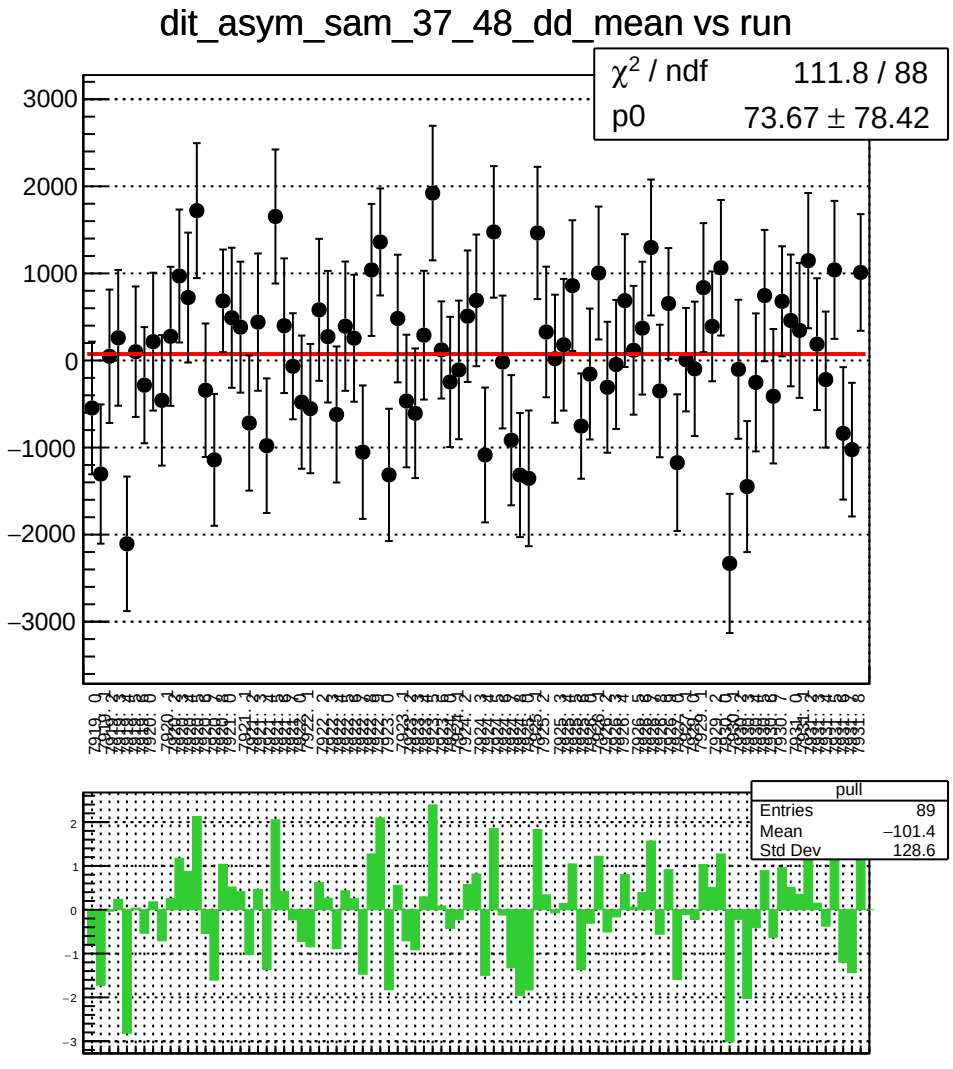

pull1D
Entries 89
Mean 0.01187
Std Dev 1.012

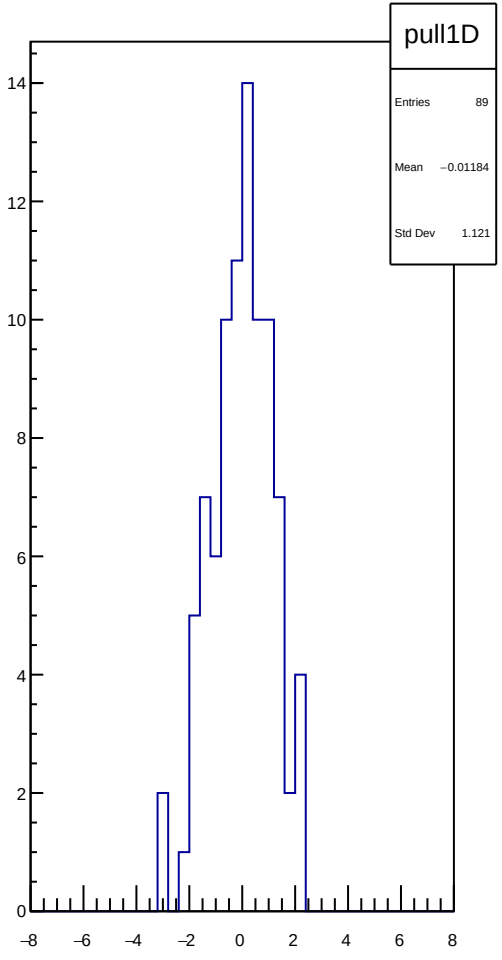

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3032 / 88
p0 1435 ± 1.096
1650
1600
1550
1500
1450
1400
1350
1300

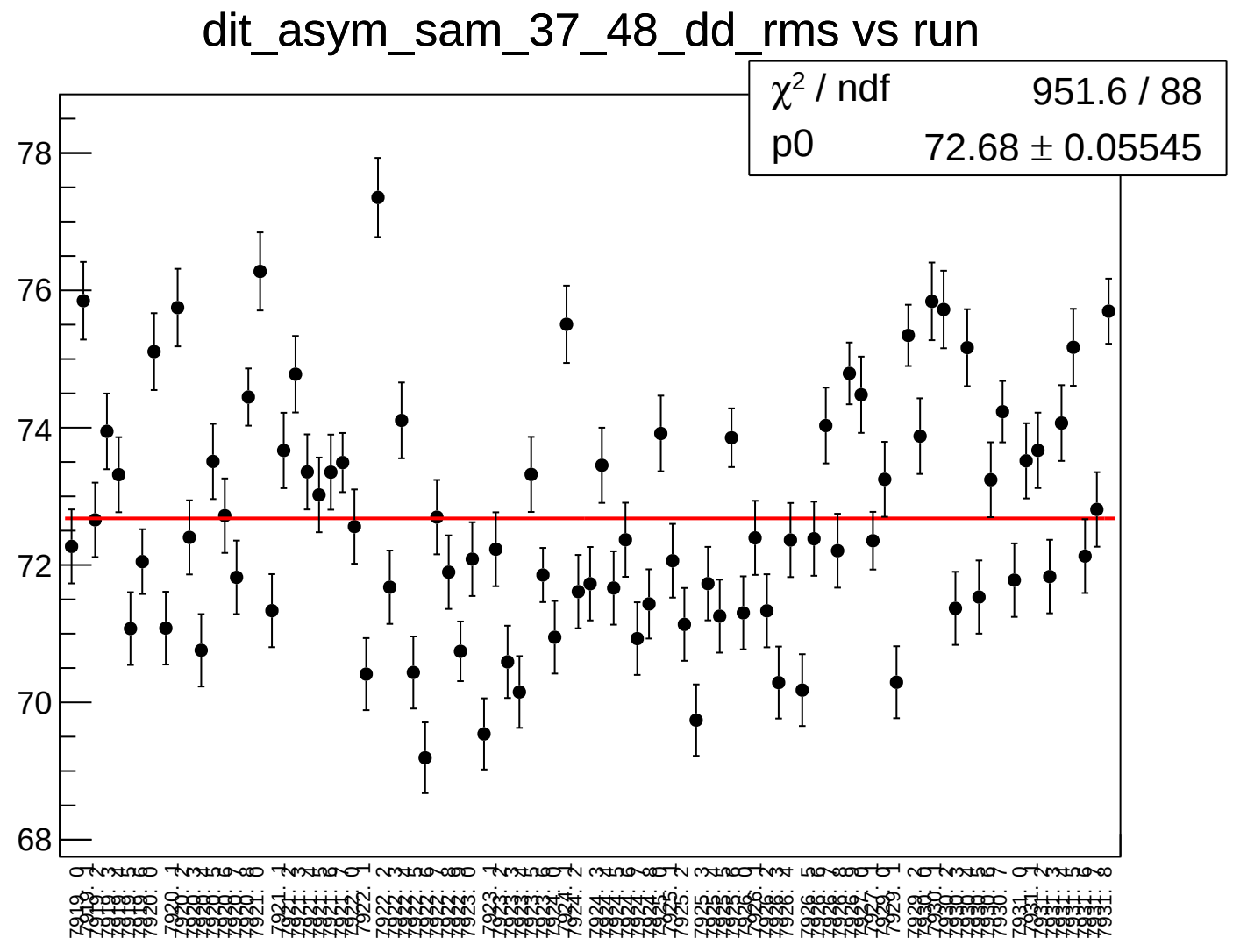

asym_sam_15_48_dd_mean vs run
χ² / ndf 91.27 / 88
p0 −2682 ± 1551
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −259.8
Std Dev 307.5
3
2
1
0
−1
−2

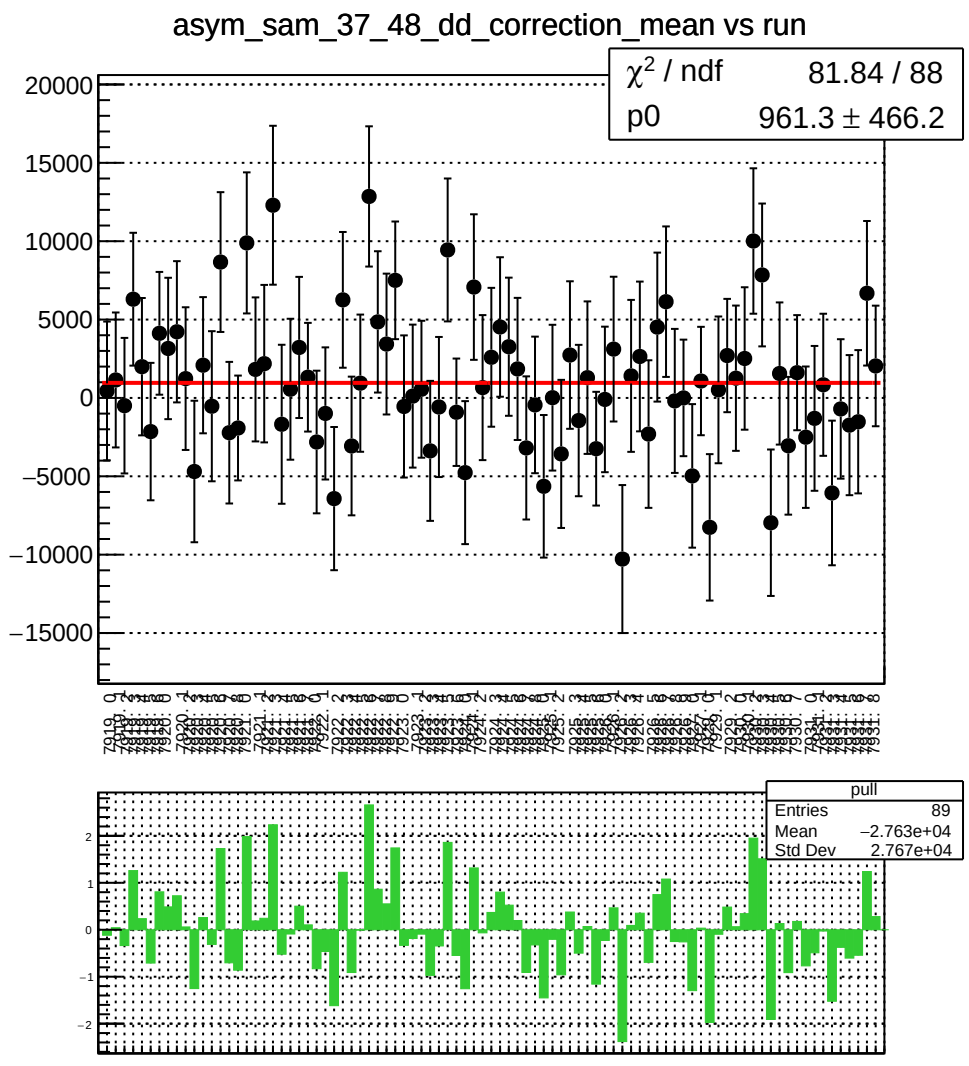

pull1D
Entries 89
Mean −0.01081
Std Dev 1.013
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

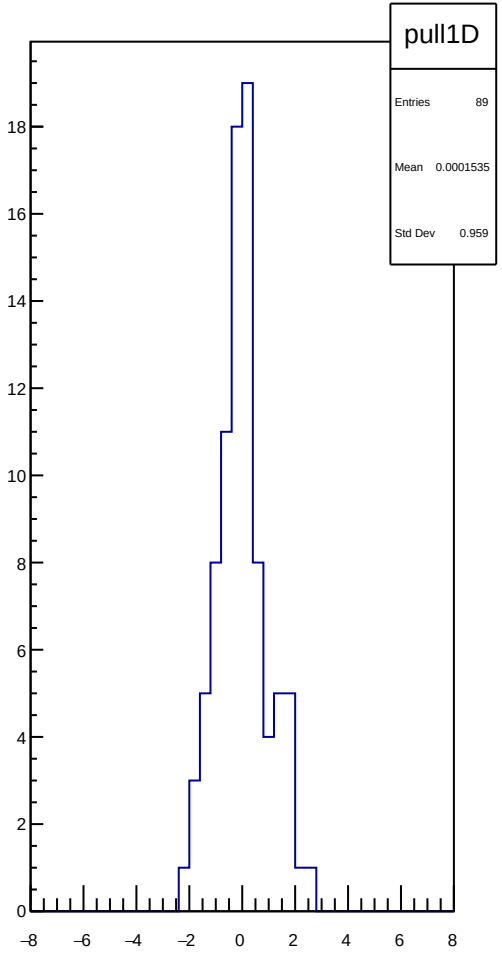

asym_sam_15_48_dd_rms vs run
χ² / ndf 2998 / 88
p0 1437 ± 1.097
1650
1600
1550
1500
1450
1400
1350
1300

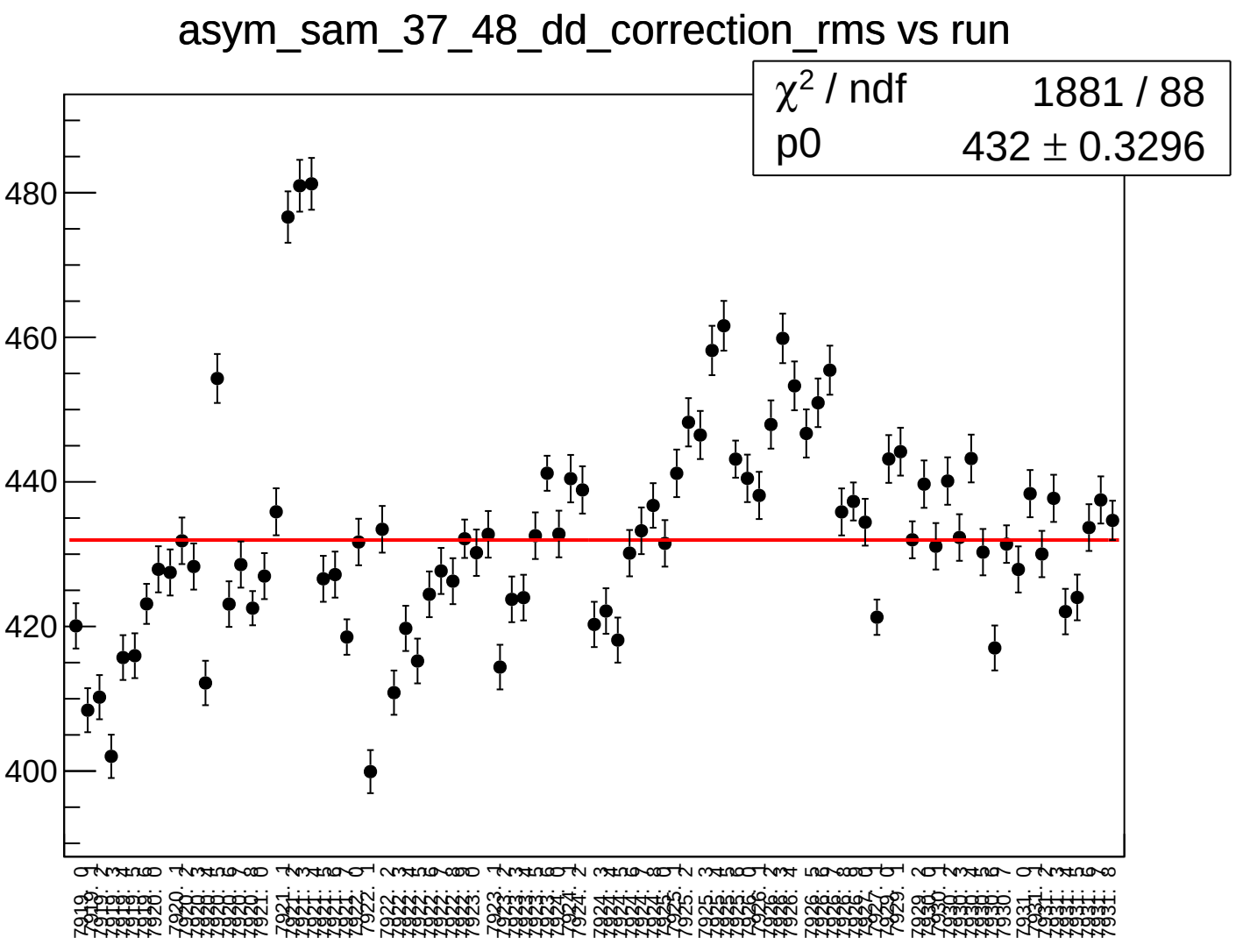

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 111.8 / 88
p0 73.67 ± 78.42
pull
Entries 89
Mean −101.4
Std Dev 128.6

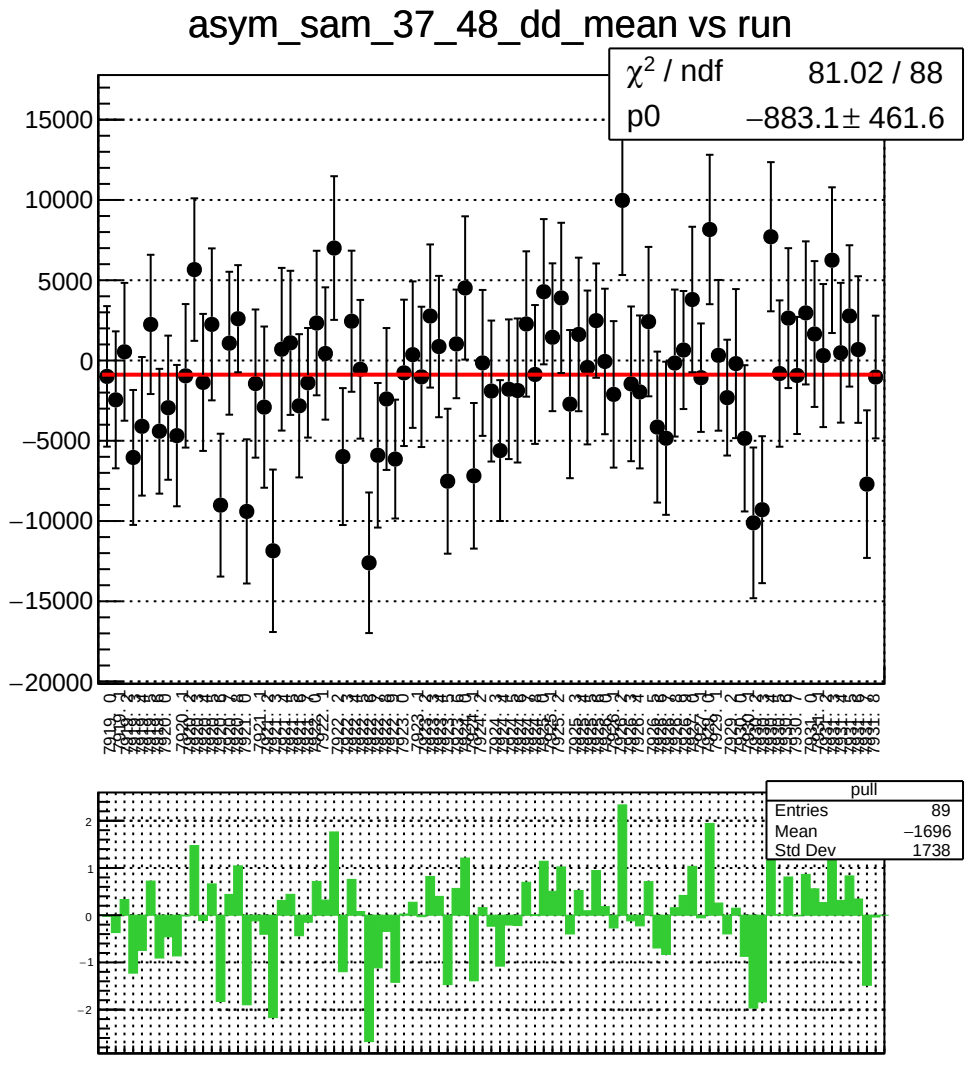

pull1D
Entries 89
Mean −0.01184
Std Dev 1.121

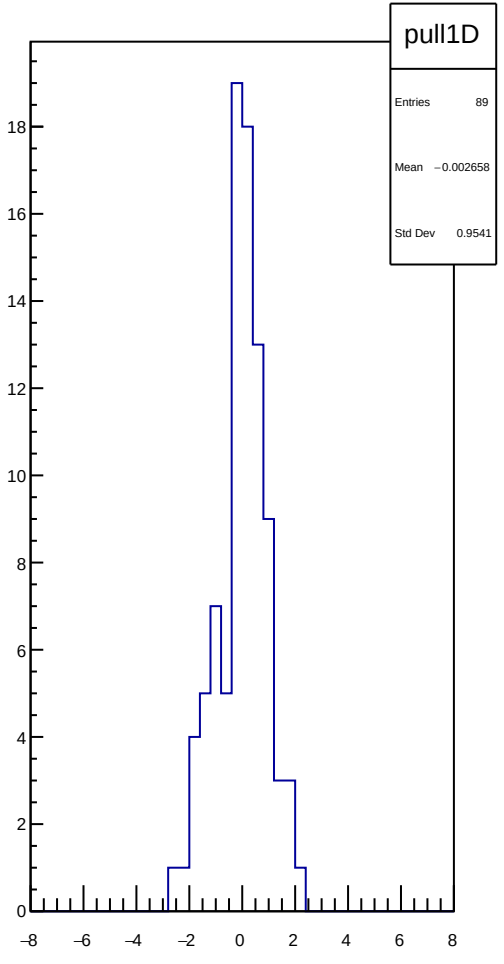

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 951.6 / 88
p0 72.68 ± 0.05545
78
76
74
72
70
68

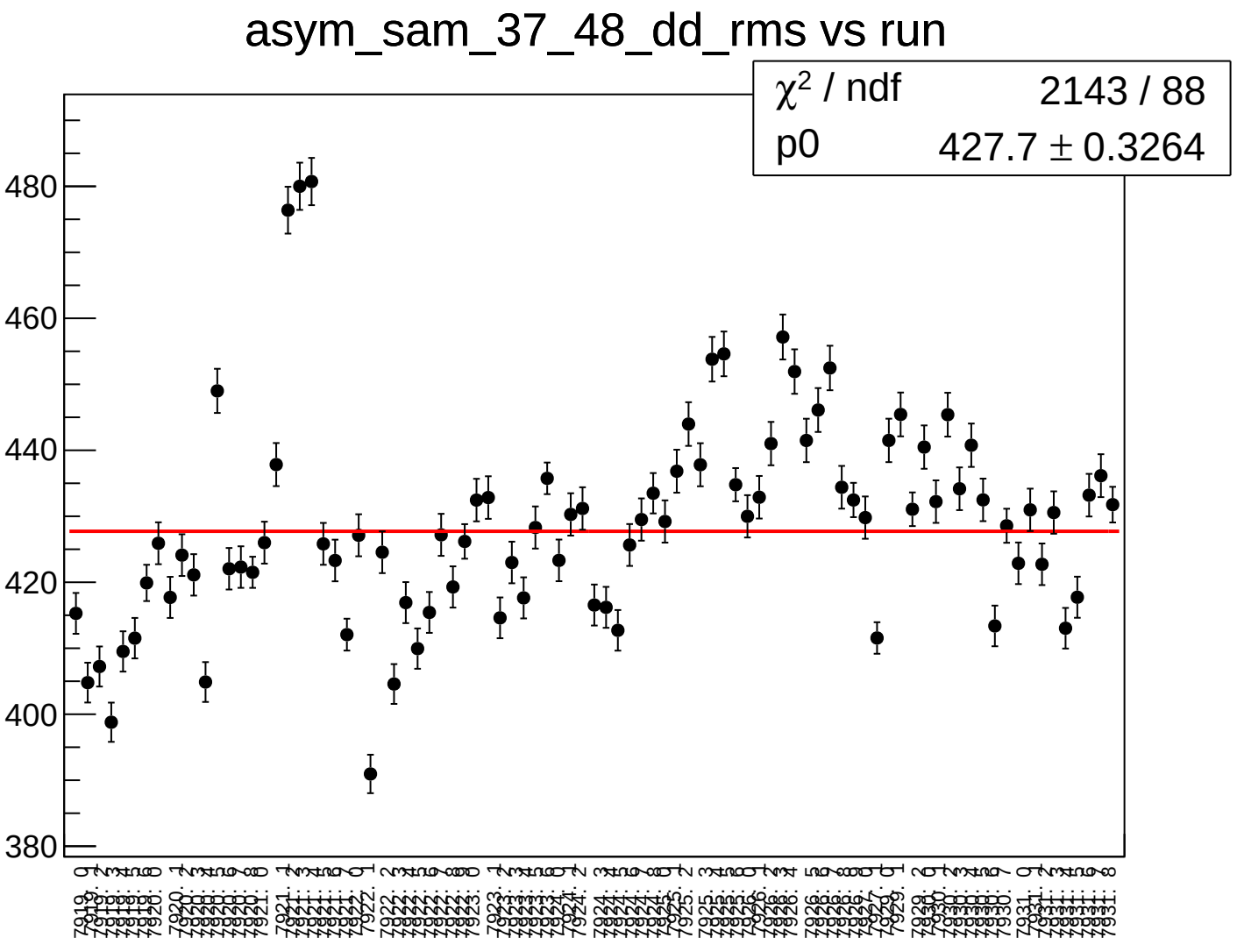

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 81.84 / 88
p0 961.3 ± 466.2
pull
Entries 89
Mean −2.763e+04
Std Dev 2.767e+04

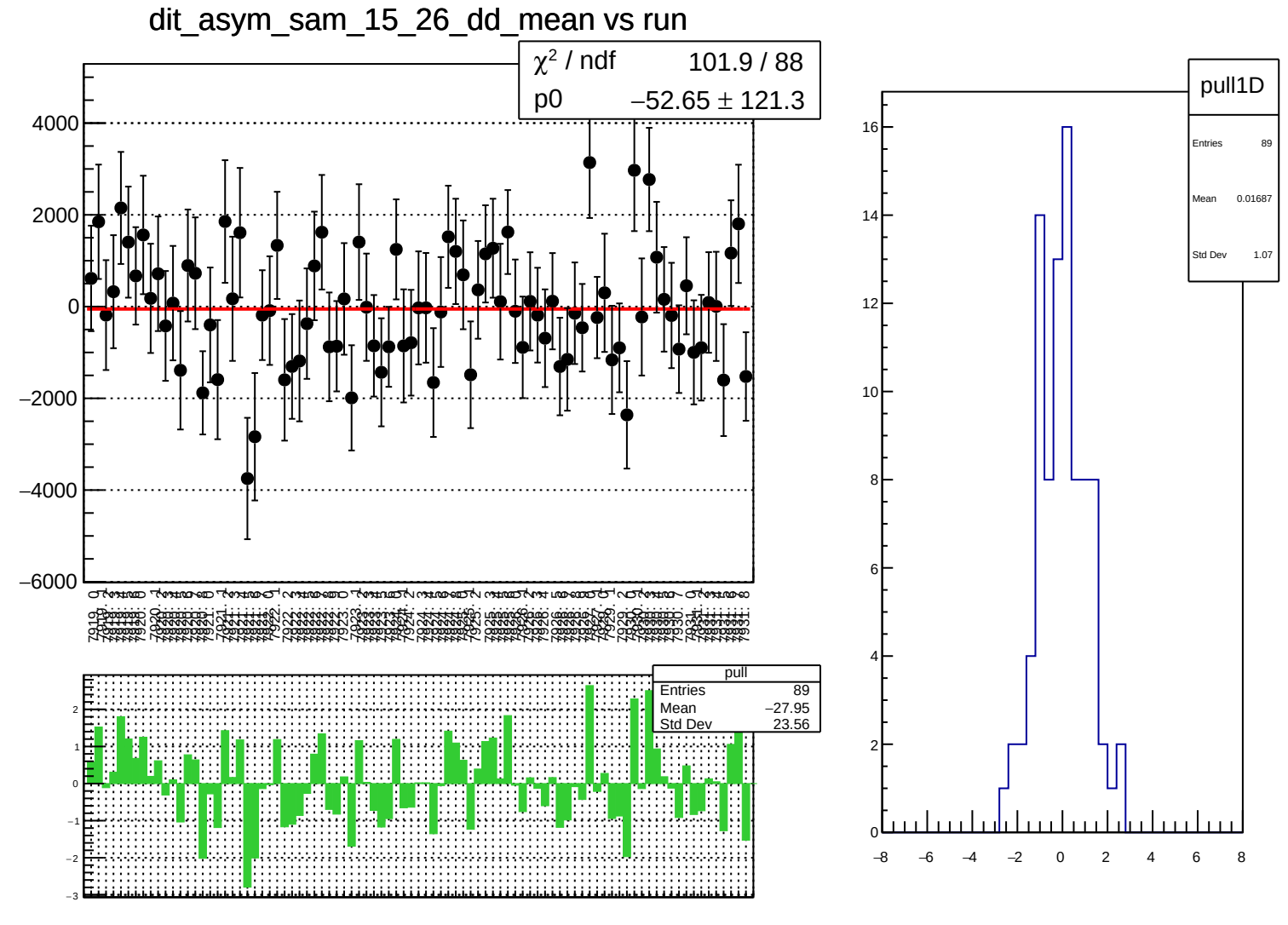

pull1D
Entries 89
Mean 0.0001535
Std Dev 0.959

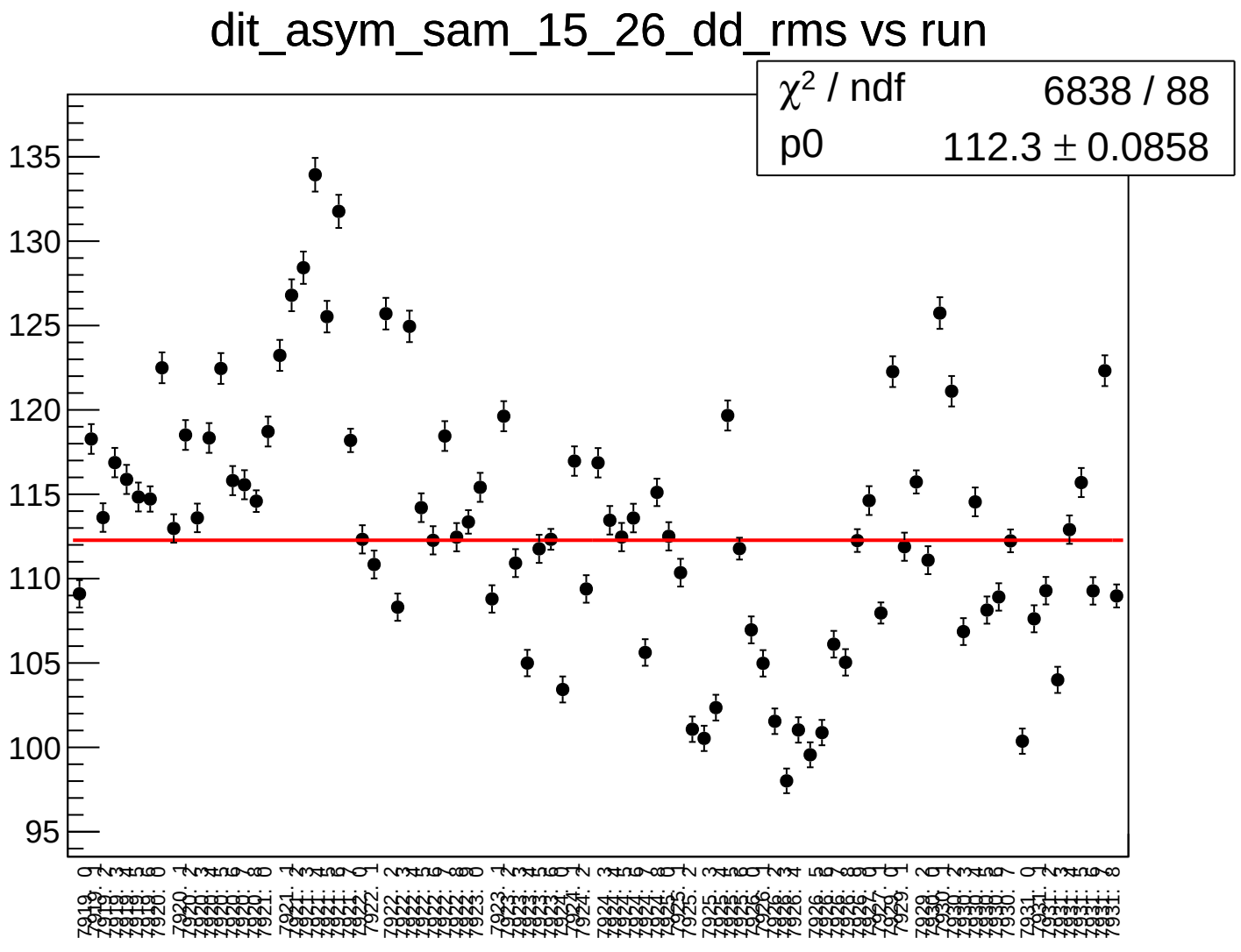

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1881 / 88
p0 432 ± 0.3296
480
460
440
420
400

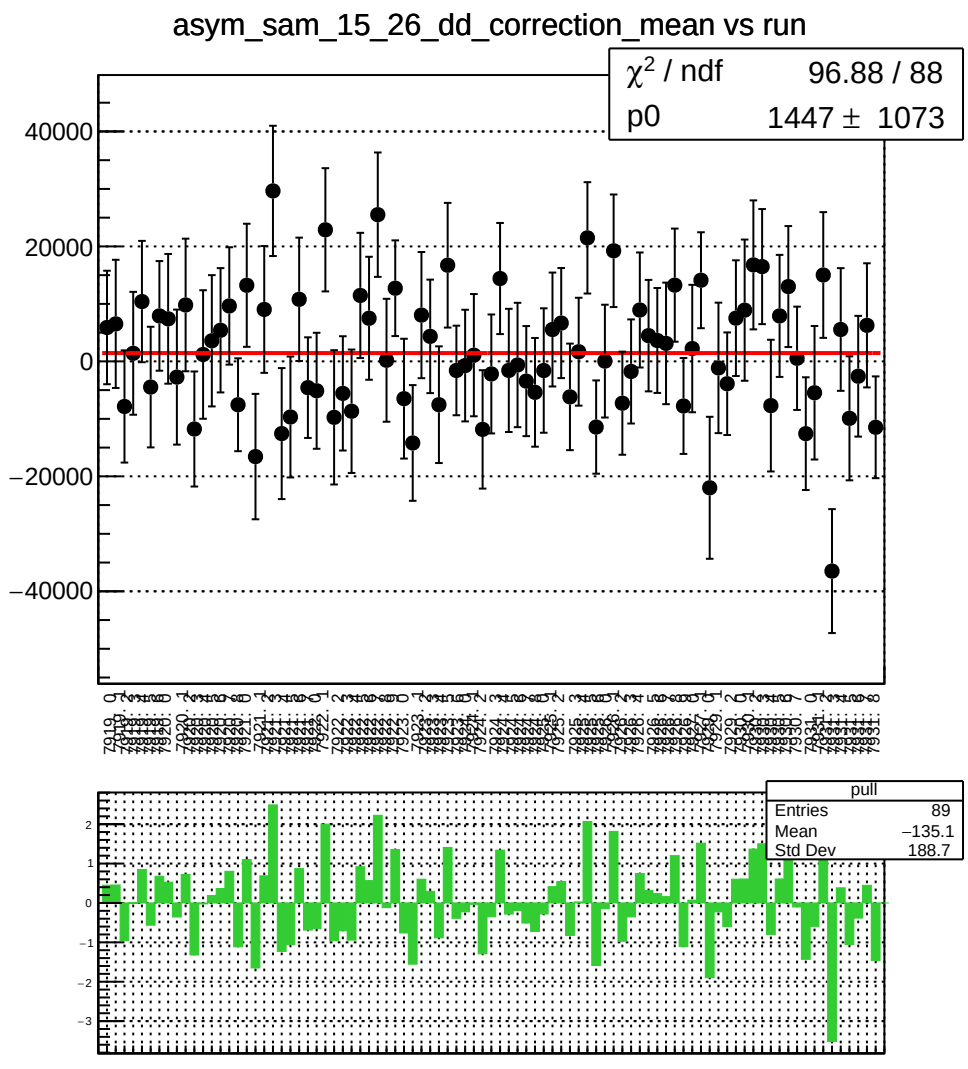

asym_sam_37_48_dd_mean vs run
χ² / ndf 81.02 / 88
p0 −883.1± 461.6
pull
Entries 89
Mean −1696
Std Dev 1738

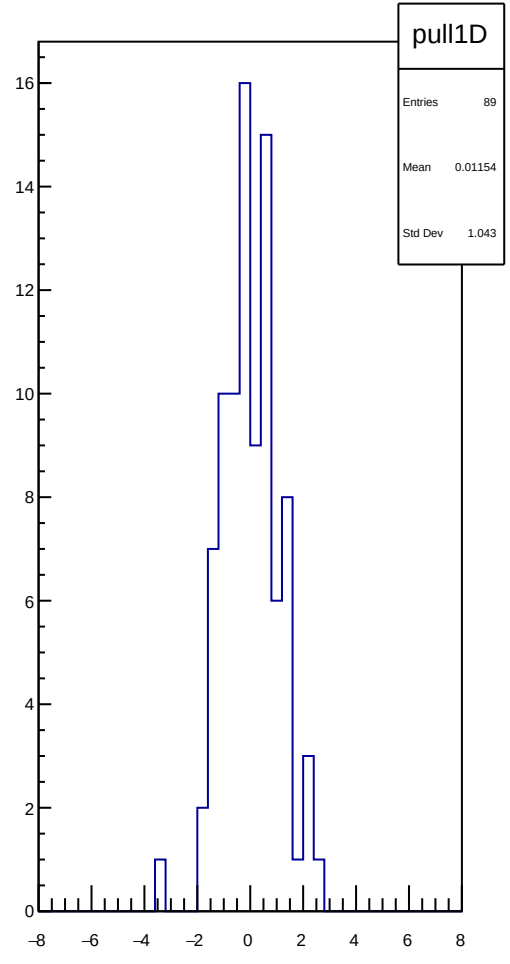

pull1D
Entries 89
Mean −0.002658
Std Dev 0.9541

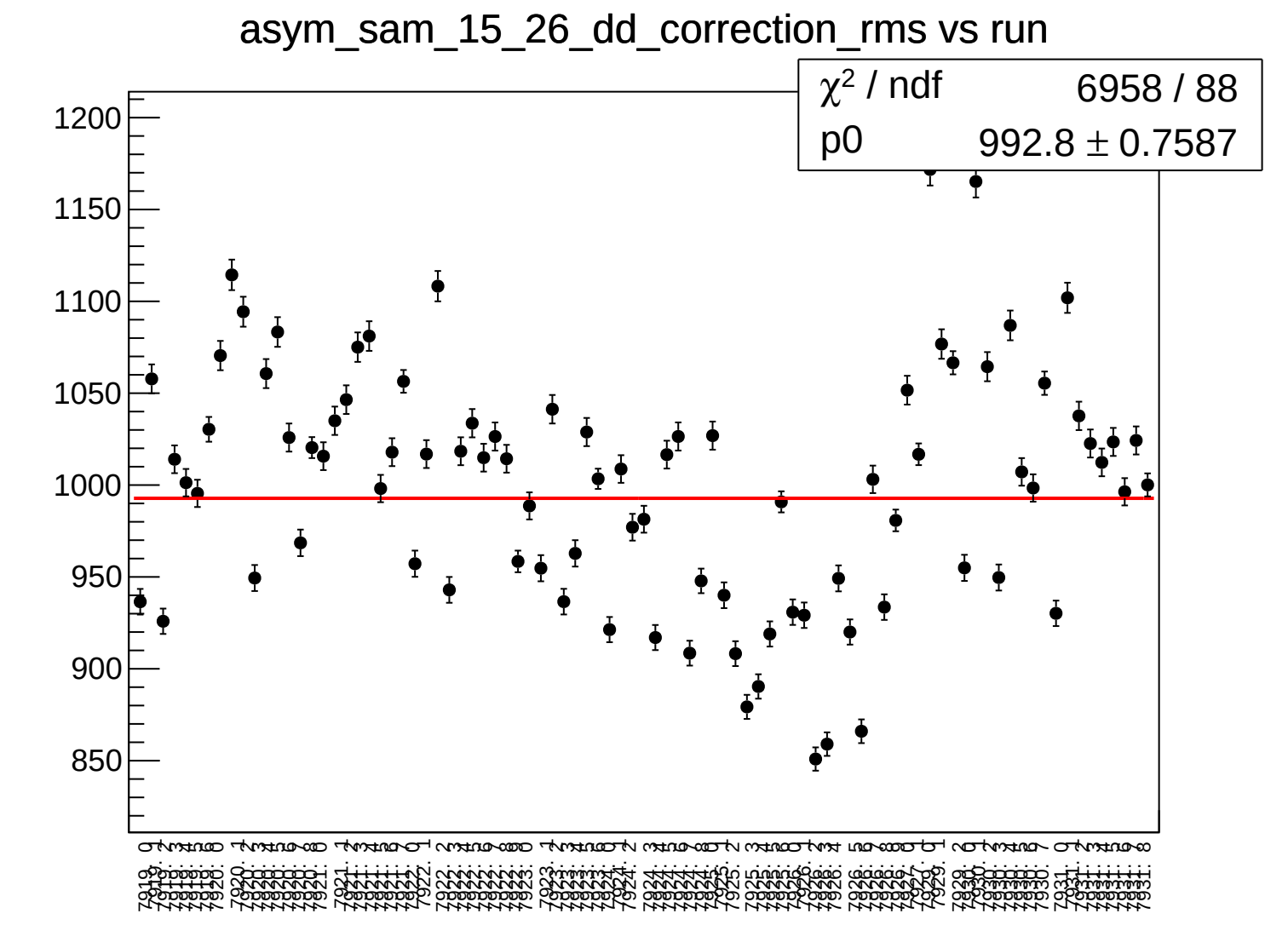

asym_sam_37_48_dd_rms vs run
χ² / ndf 2143 / 88
p0 427.7 ± 0.3264
480
460
440
420
400
380

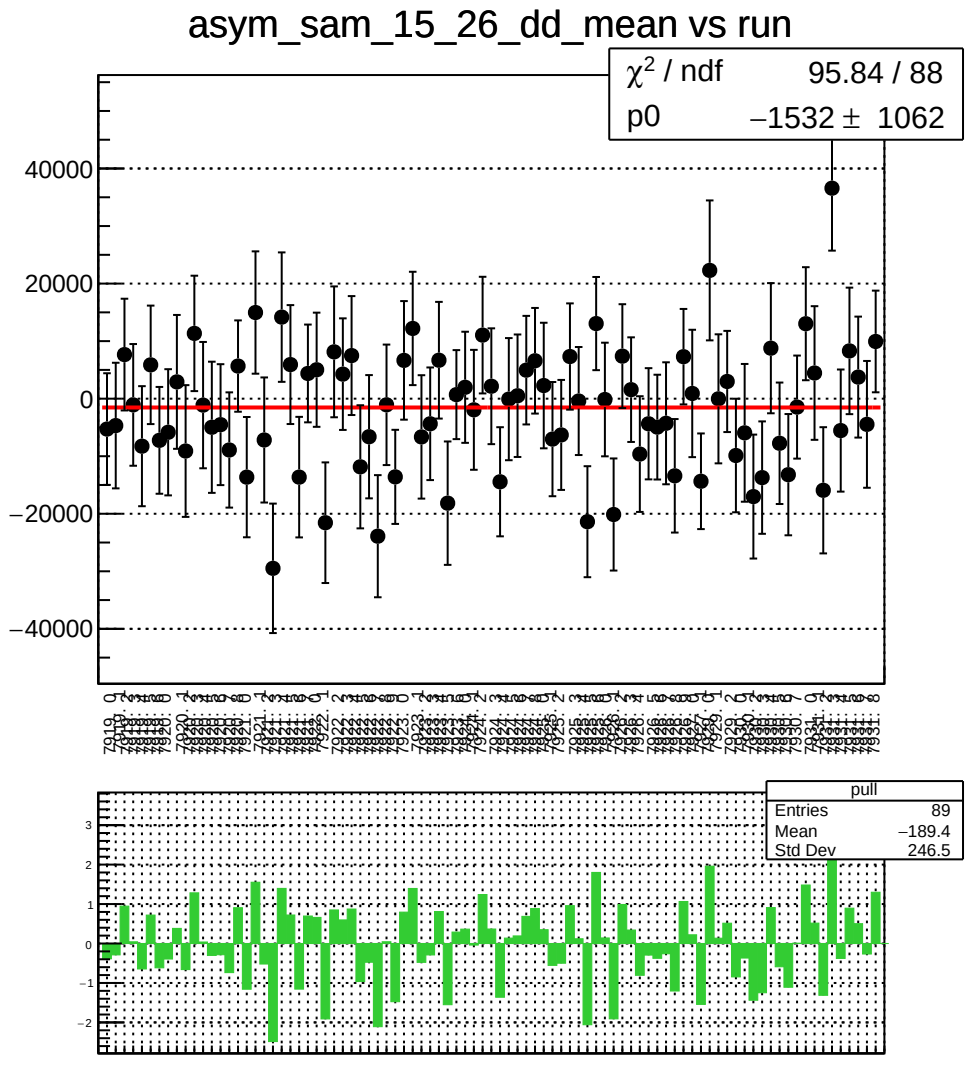

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 101.9 / 88
p0 −52.65 ± 121.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 89
Mean −27.95
Std Dev 23.56
pull1D
Entries 89
Mean 0.01687
Std Dev 1.07

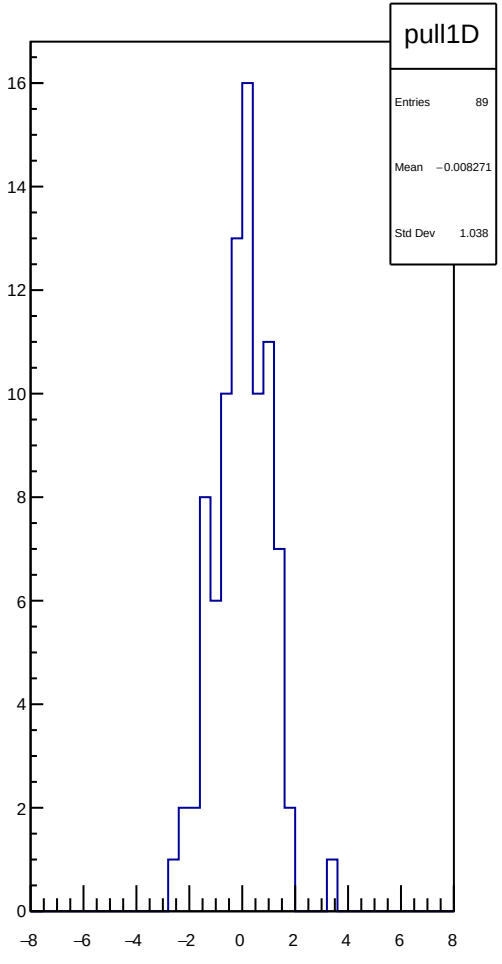

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 6838 / 88
p0 112.3 ± 0.0858
135
130
125
120
115
110
105
100
95

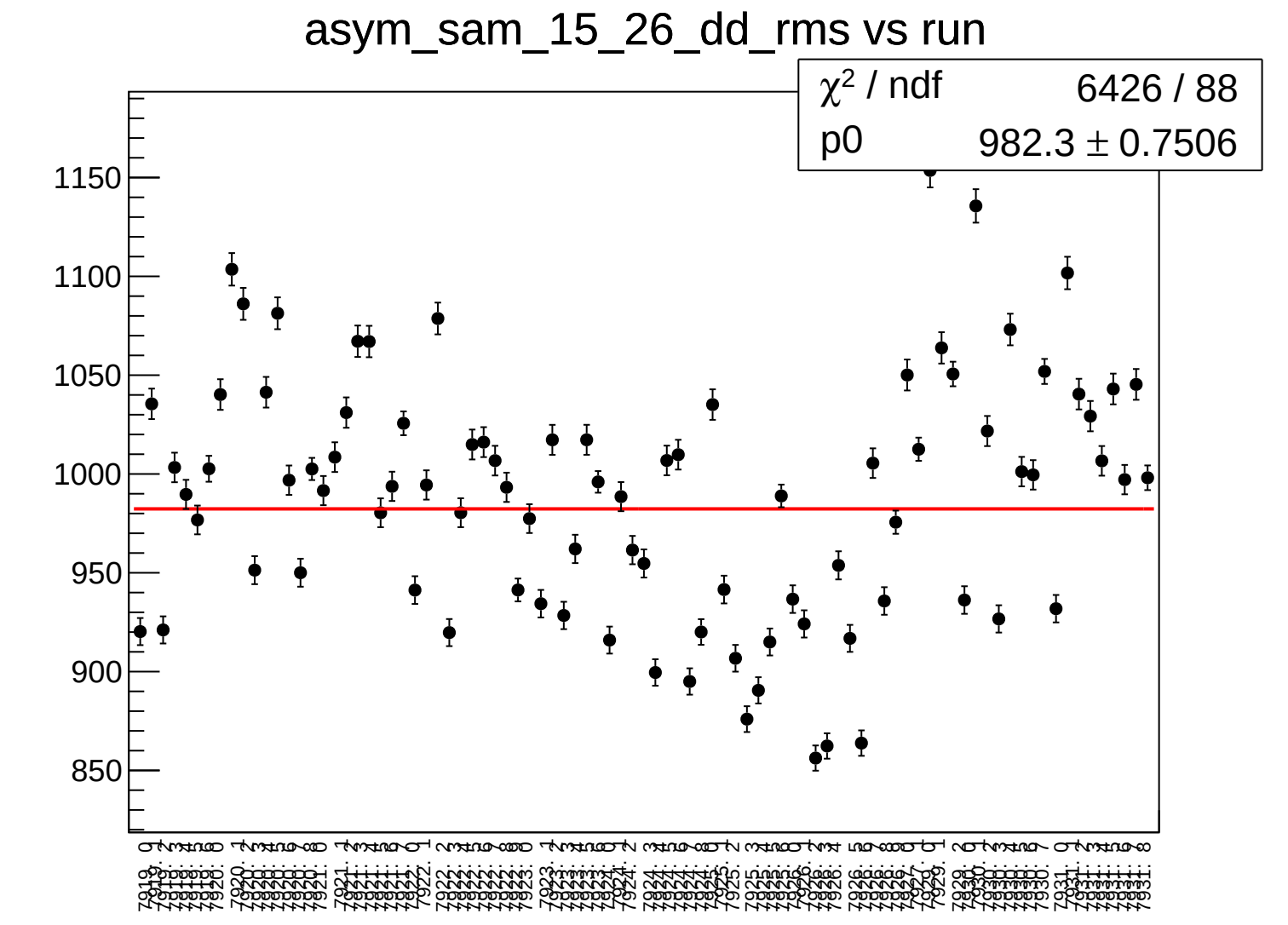

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 96.88 / 88
p0 1447 ± 1073
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −135.1
Std Dev 188.7
2
1
0
−1
−2
−3

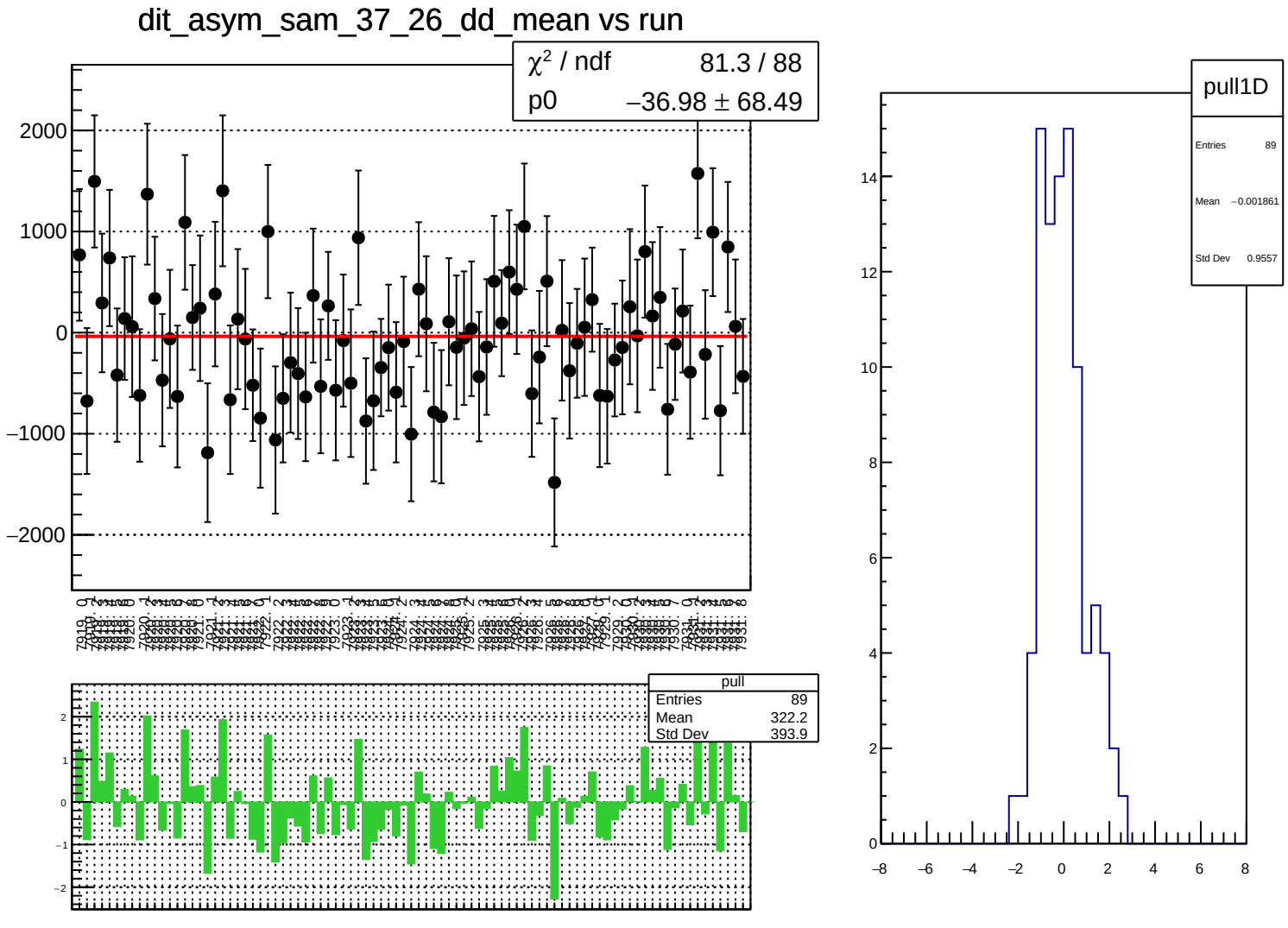

pull1D
Entries 89
Mean 0.01154
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

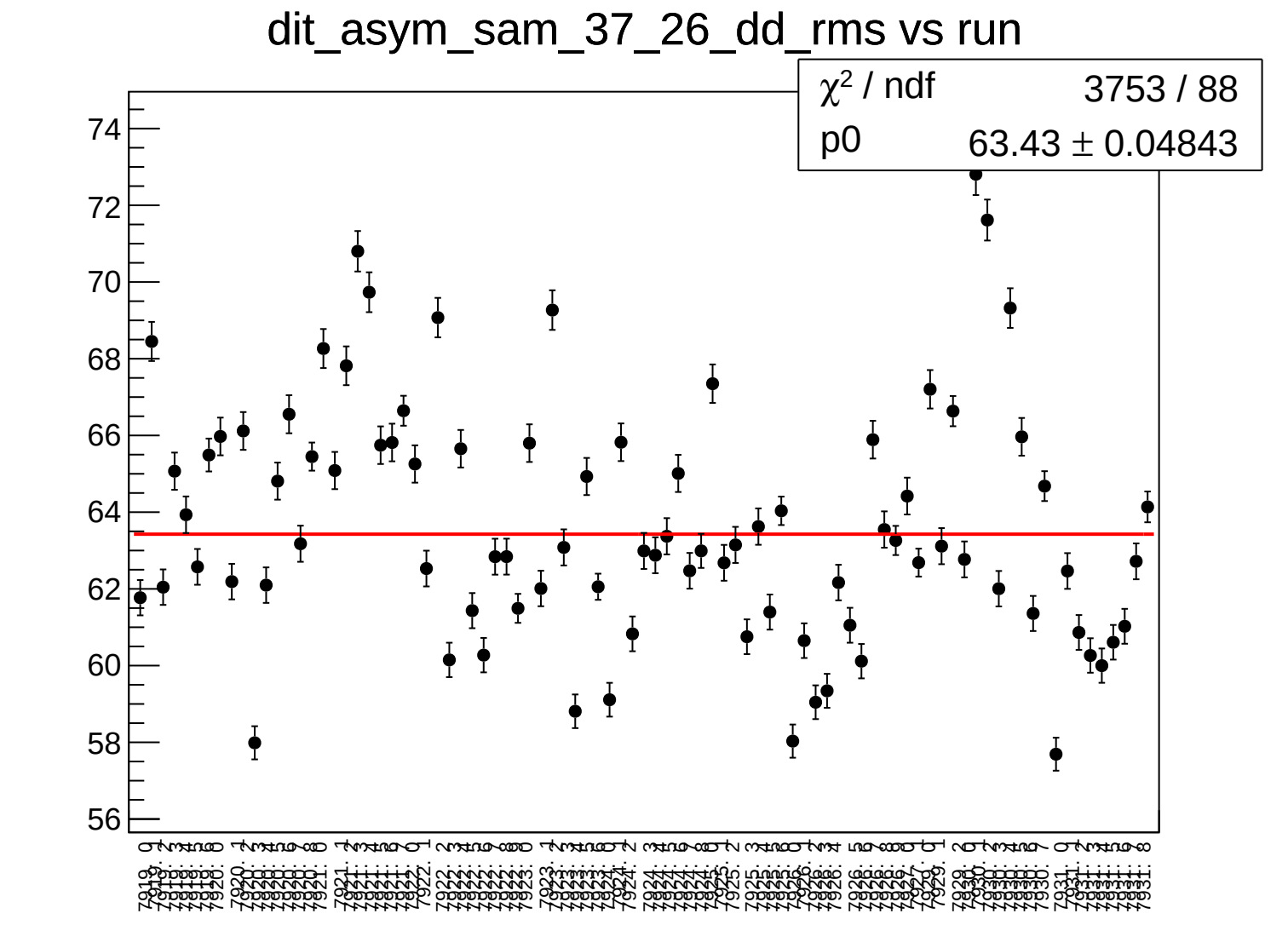

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 6958 / 88
p0 992.8 ± 0.7587
1200
1150
1100
1050
1000
950
900
850

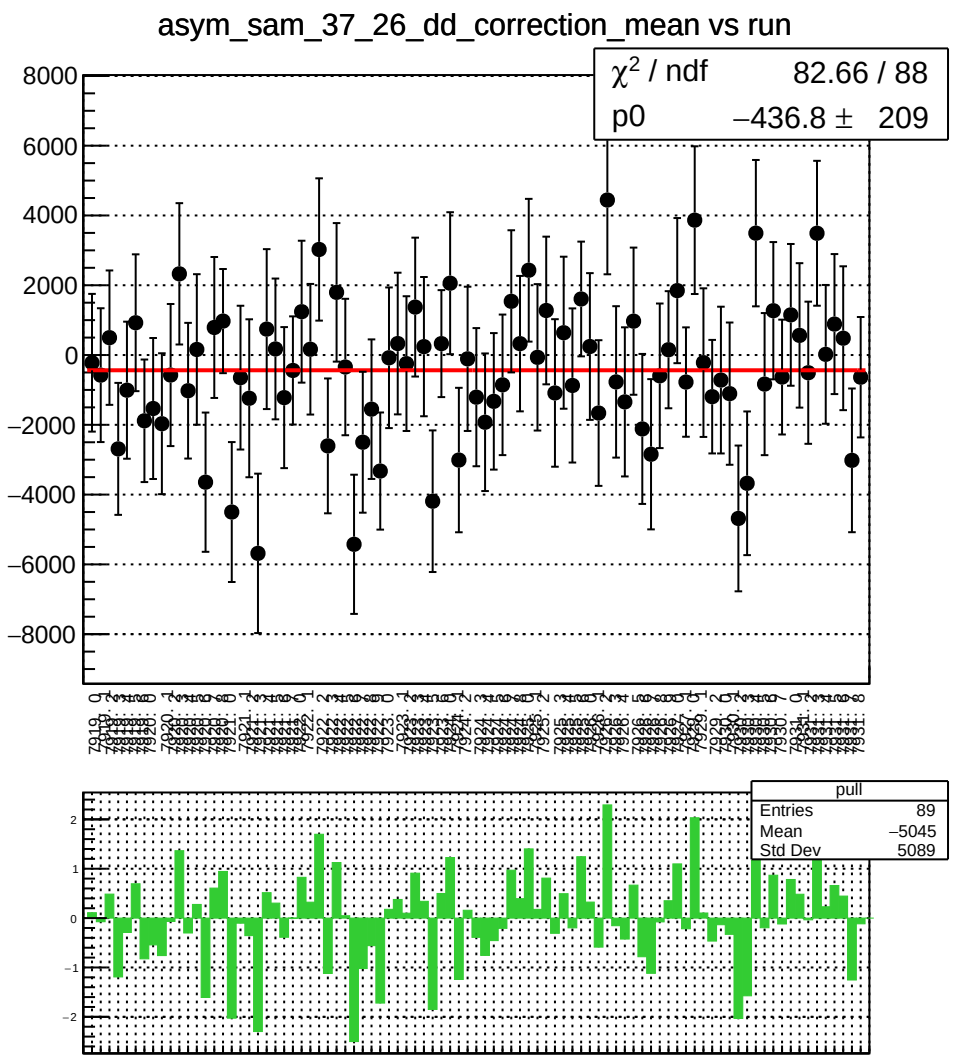

asym_sam_15_26_dd_mean vs run
χ² / ndf 95.84 / 88
p0 −1532 ± 1062
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −189.4
Std Dev 246.5
3
2
1
0
−1
−2

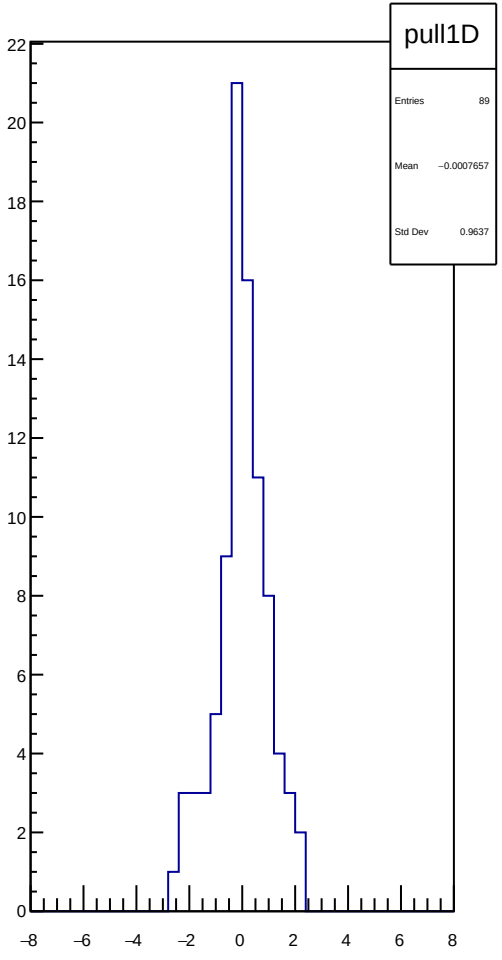

pull1D
Entries 89
Mean −0.008271
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

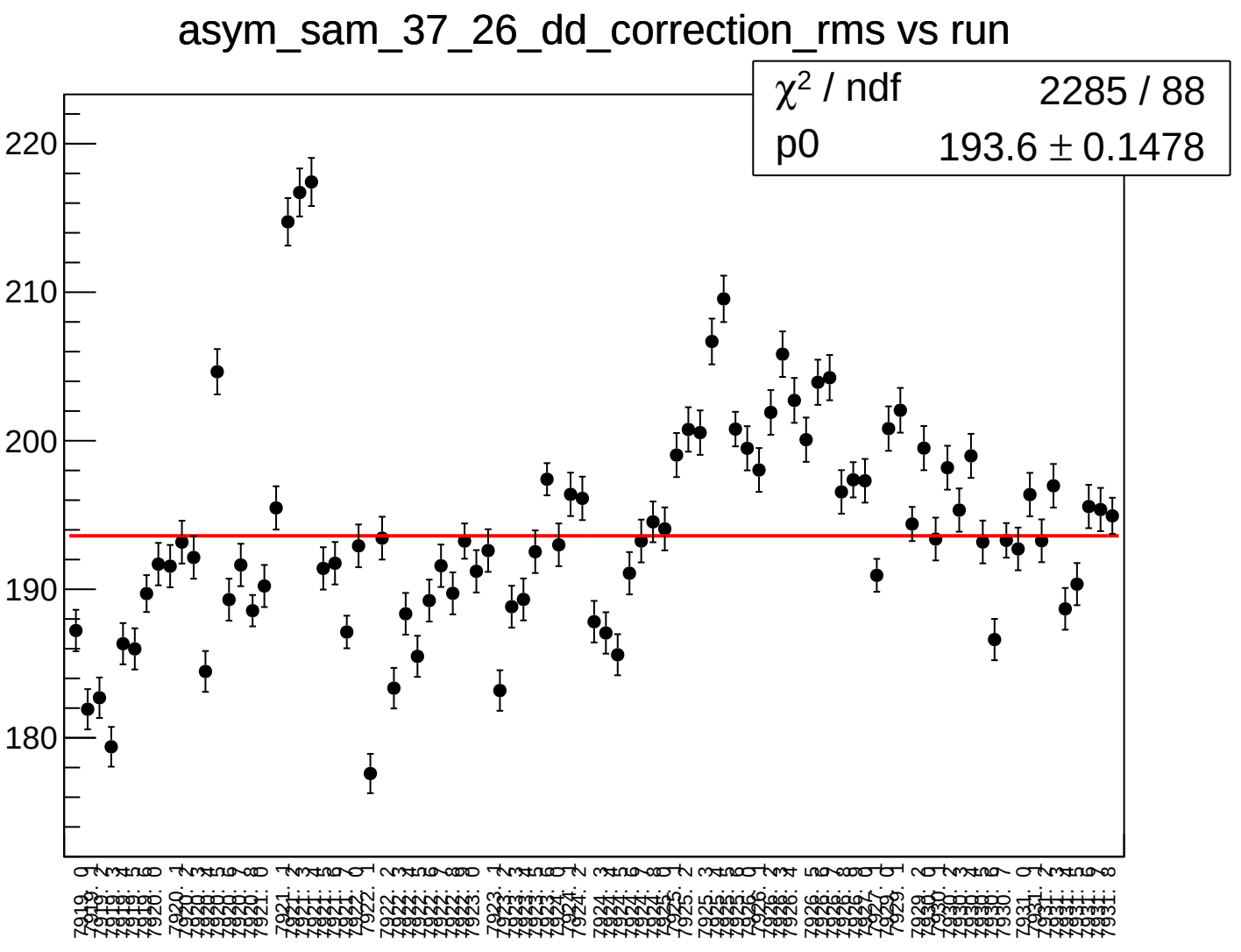

asym_sam_15_26_dd_rms vs run
χ² / ndf 6426 / 88
p0 982.3 ± 0.7506
1150
1100
1050
1000
950
900
850

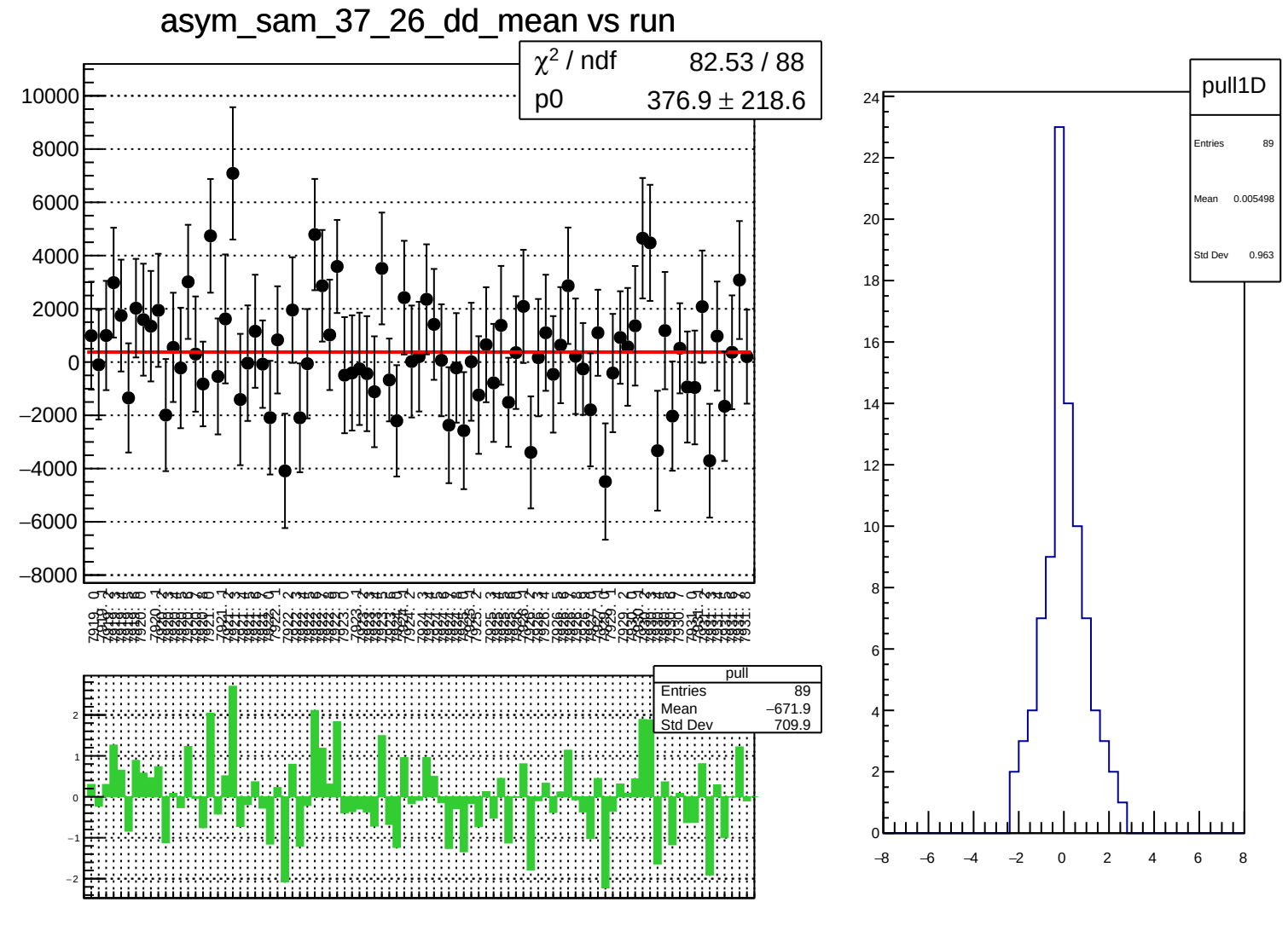

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 81.3 / 88
p0 −36.98 ± 68.49
2000
1000
0
−1000
−2000
pull
Entries 89
Mean 322.2
Std Dev 393.9
2
1
0
−1
−2
pull1D
Entries 89
Mean −0.001861
Std Dev 0.9557
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

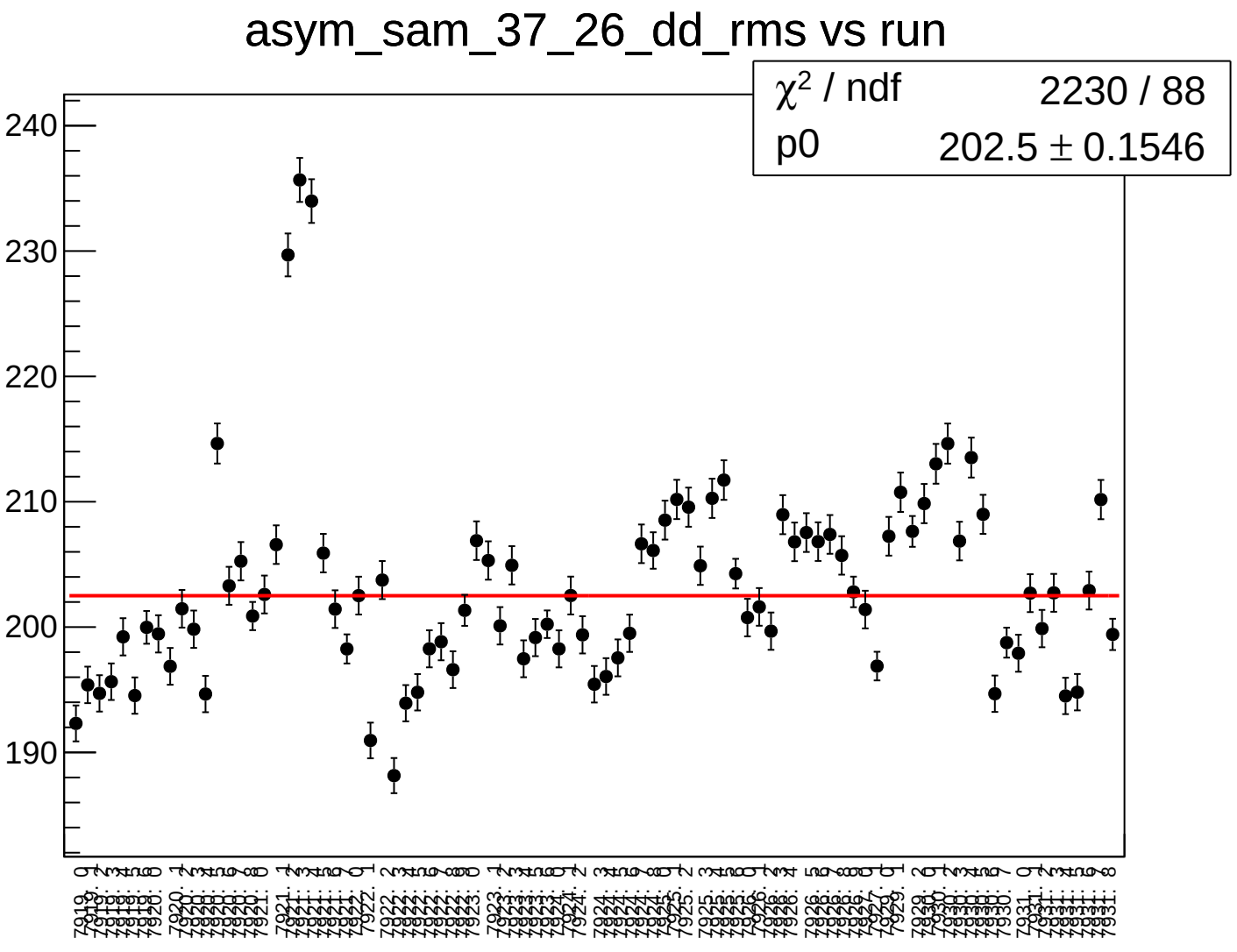

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 3753 / 88
p0 63.43 ± 0.04843
74
72
70
68
66
64
62
60
58
56

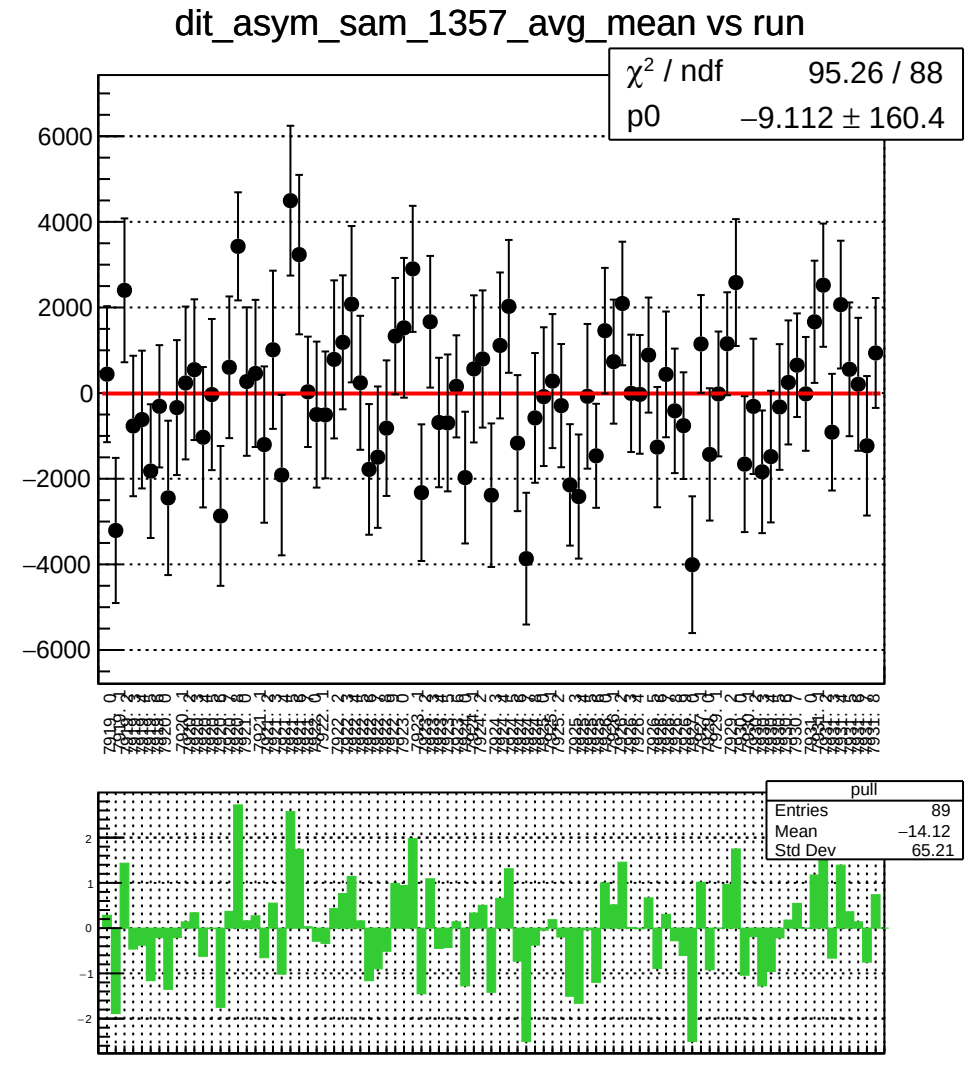

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 82.66 / 88
p0 −436.8 ± 209
pull
Entries 89
Mean −5045
Std Dev 5089

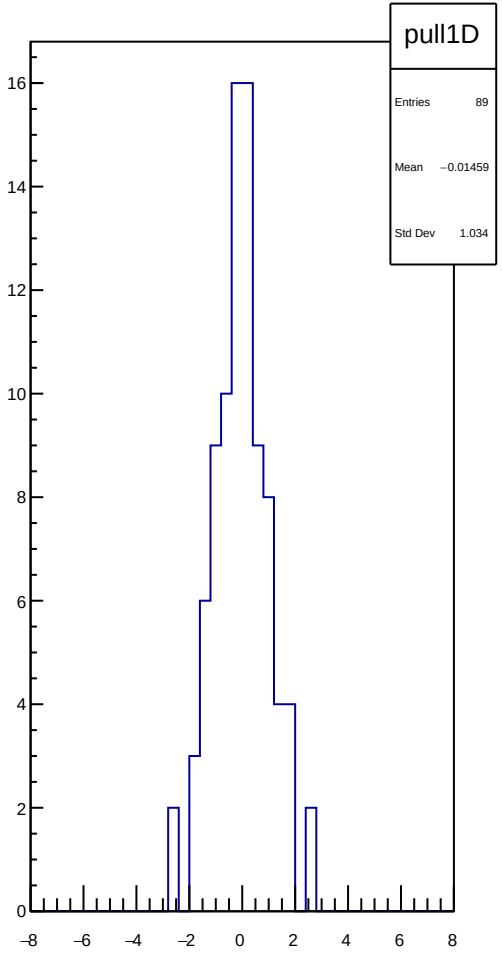

pull1D
Entries 89
Mean −0.0007657
Std Dev 0.9637

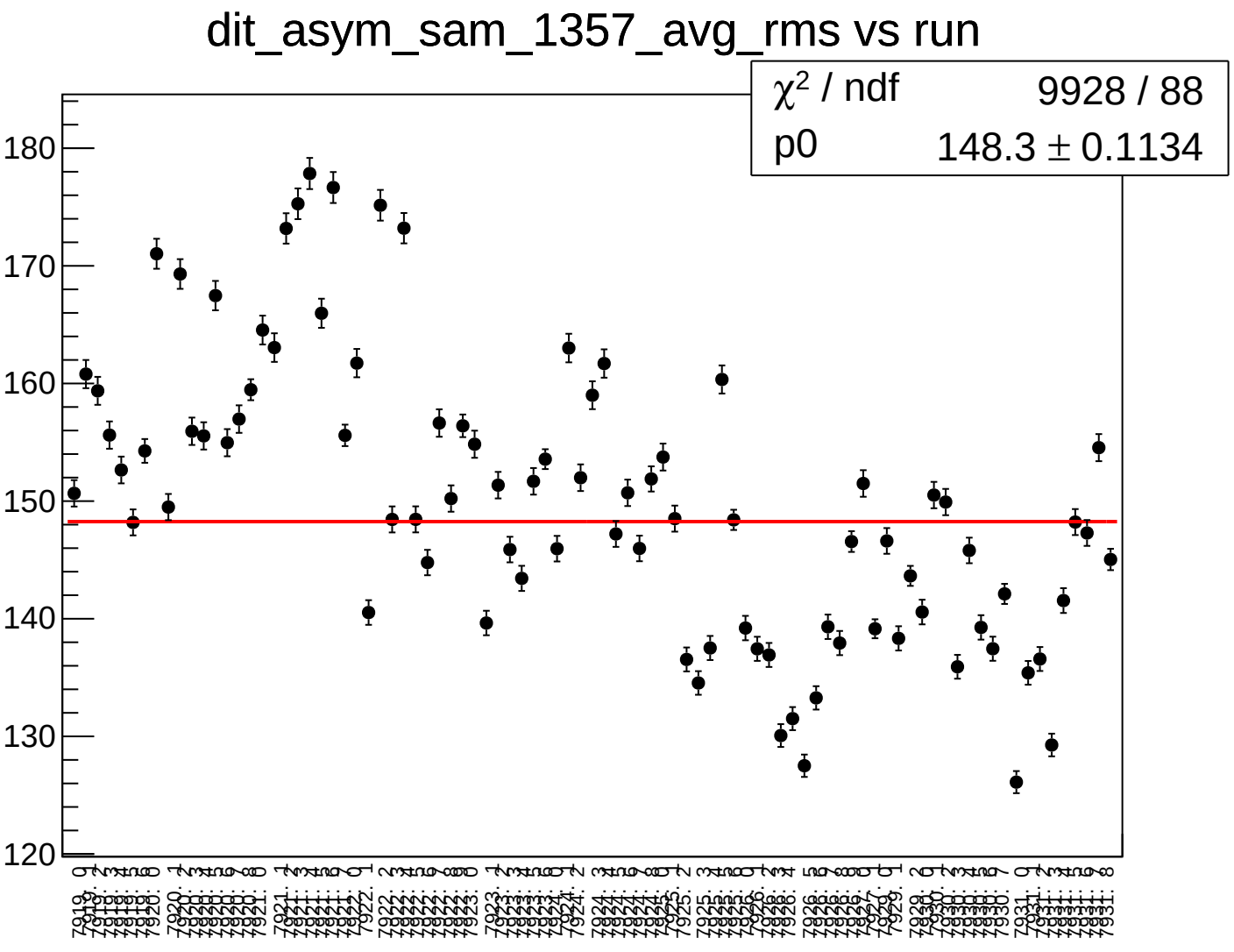

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2285 / 88
p0 193.6 ± 0.1478
220
210
200
190
180

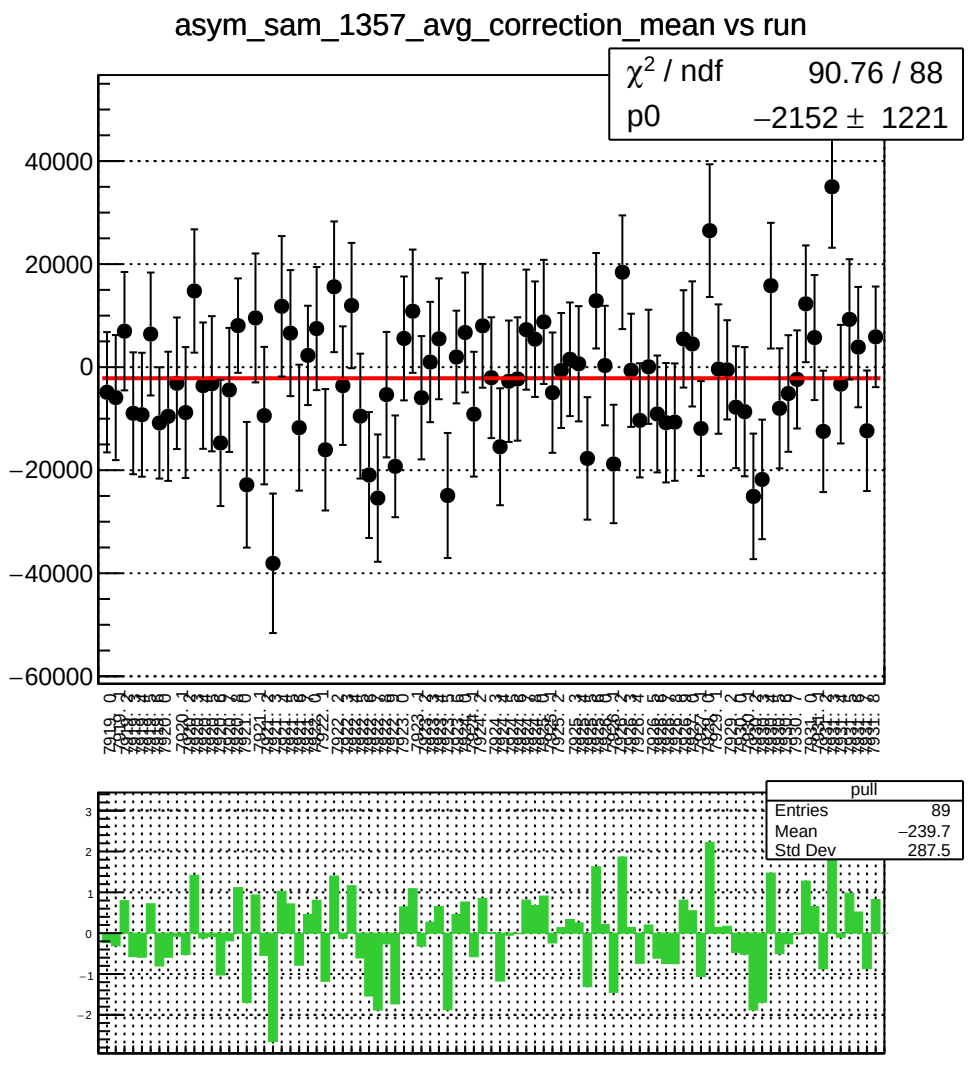

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 82.53 / 88
p0 376.9 ± 218.6
pull
Entries 89
Mean −671.9
Std Dev 709.9
pull1D
Entries 89
Mean 0.005498
Std Dev 0.963

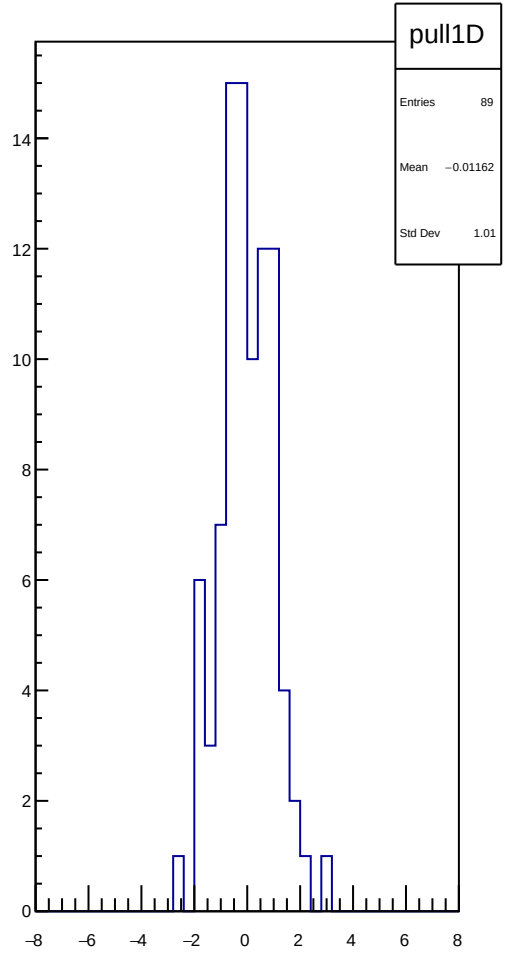

asym_sam_37_26_dd_rms vs run
χ² / ndf 2230 / 88
p0 202.5 ± 0.1546
240
230
220
210
200
190

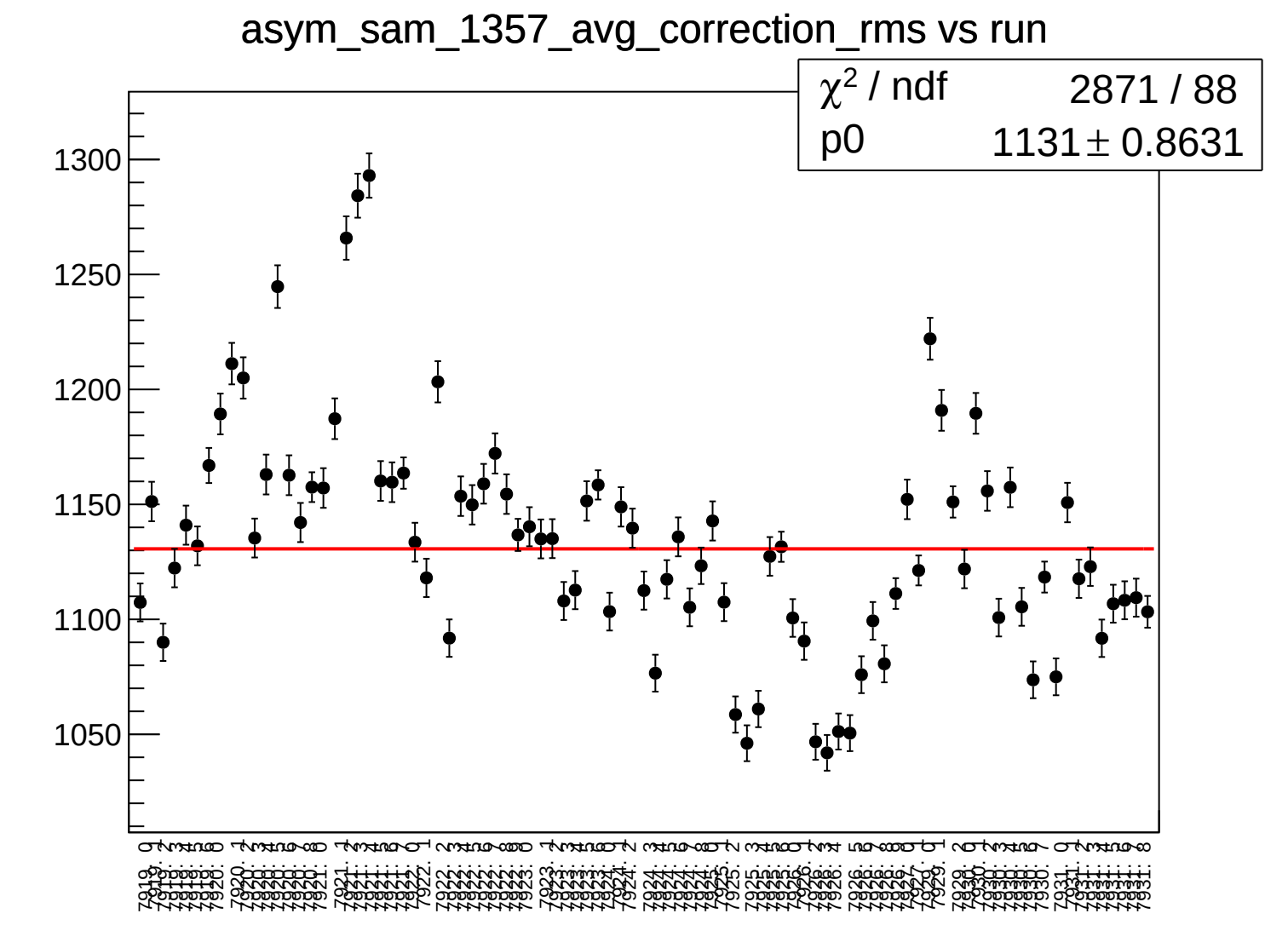

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 95.26 / 88
p0 −9.112 ± 160.4
pull
Entries 89
Mean −14.12
Std Dev 65.21

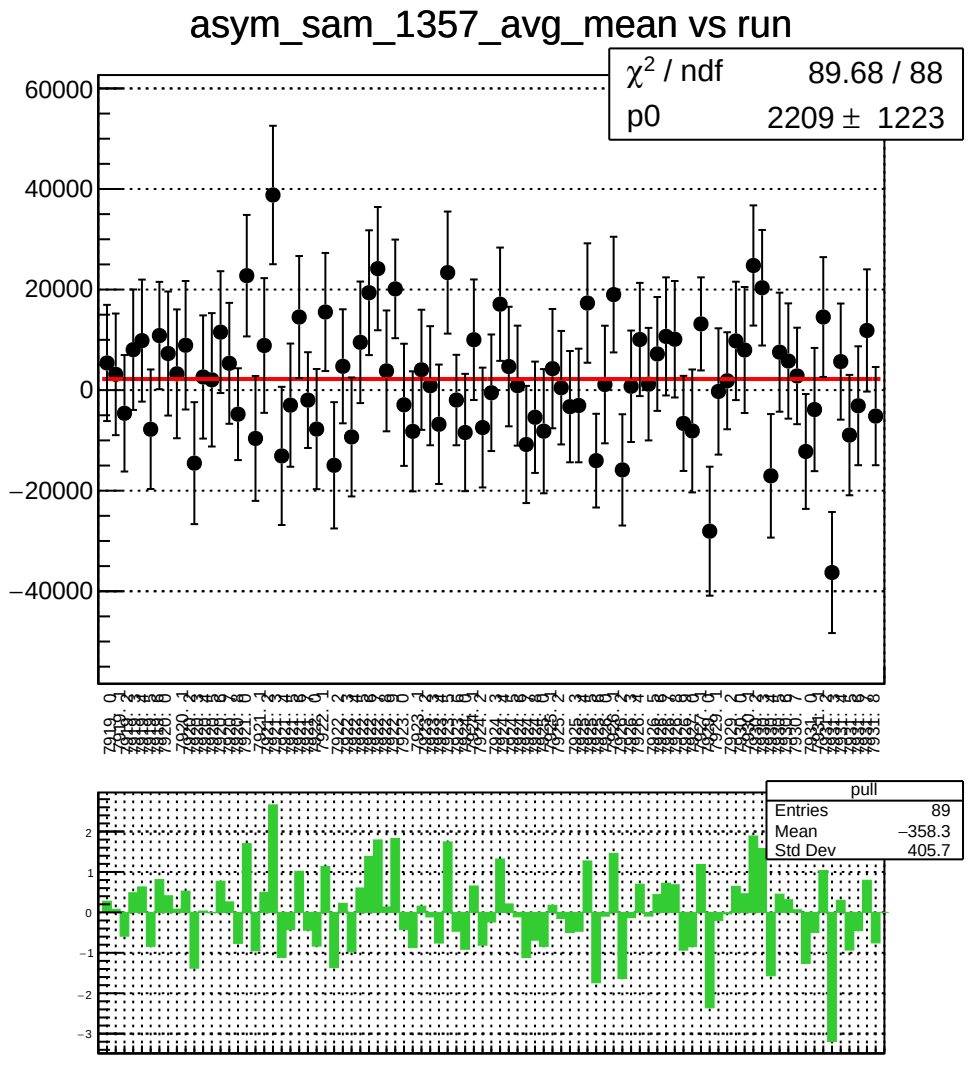

pull1D
Entries 89
Mean −0.01459
Std Dev 1.034

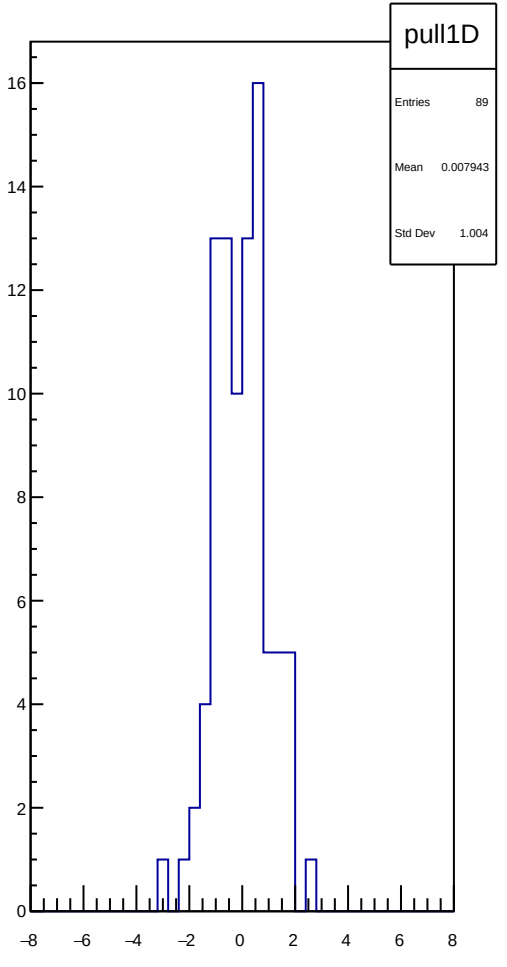

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 9928 / 88
p0 148.3 ± 0.1134
180
170
160
150
140
130
120

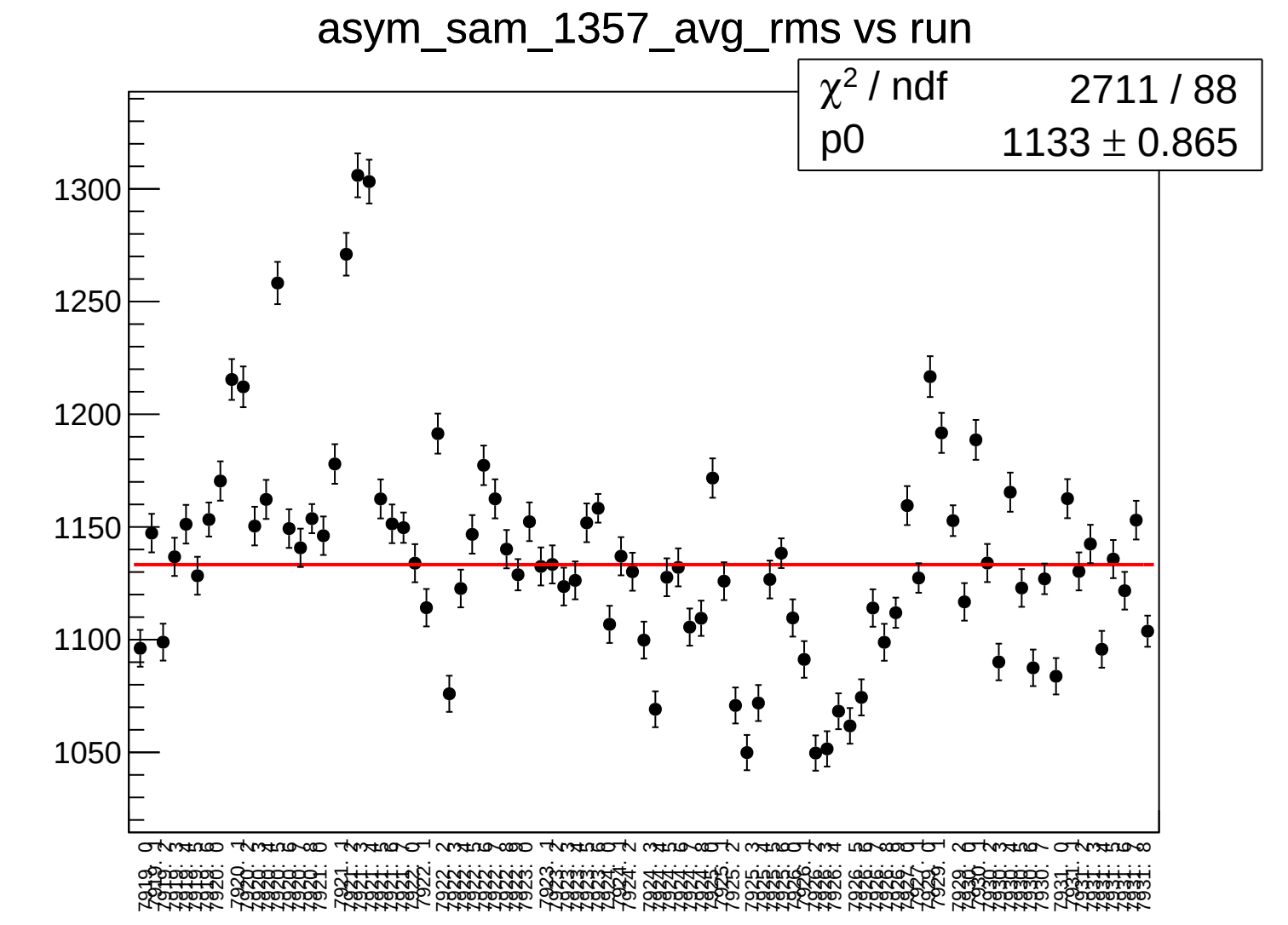

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 90.76 / 88
p0 −2152 ± 1221
40000
20000
0
−20000
−40000
−60000
pull
Entries 89
Mean −239.7
Std Dev 287.5
3
2
1
0
−1
−2

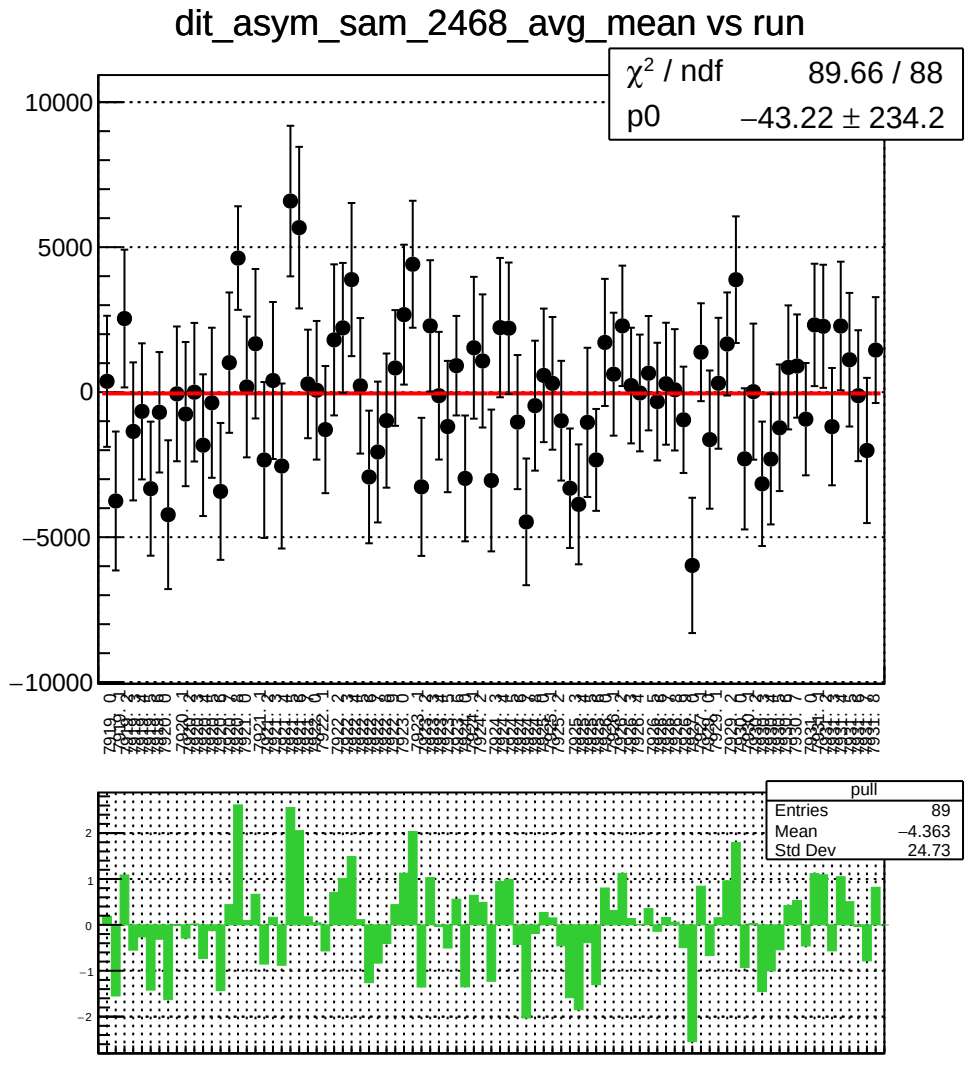

pull1D
Entries 89
Mean −0.01162
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

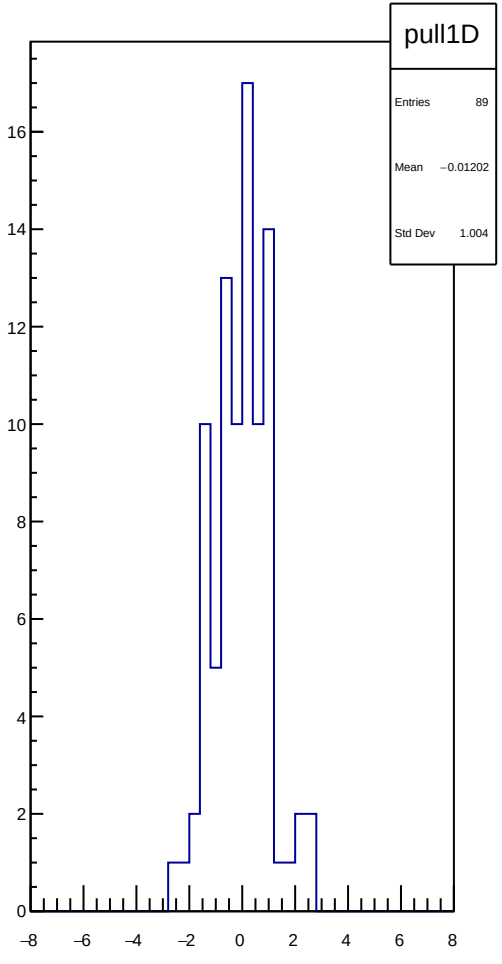

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2871 / 88
p0 1131 ± 0.8631
1300
1250
1200
1150
1100
1050

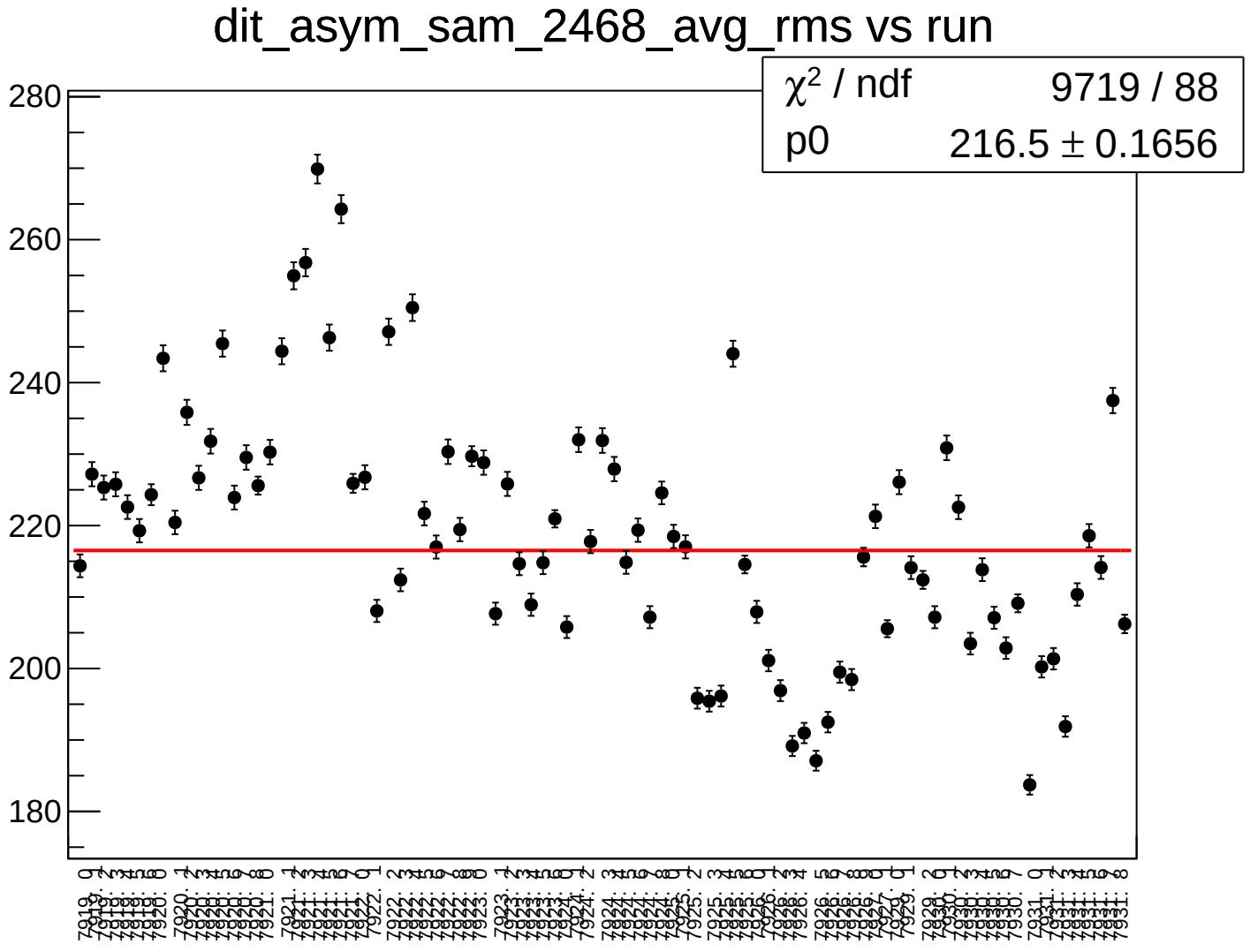

asym_sam_1357_avg_mean vs run
χ² / ndf 89.68 / 88
p0 2209 ± 1223
60000
40000
20000
0
−20000
−40000
pull
Entries 89
Mean −358.3
Std Dev 405.7
2
1
0
−1
−2
−3

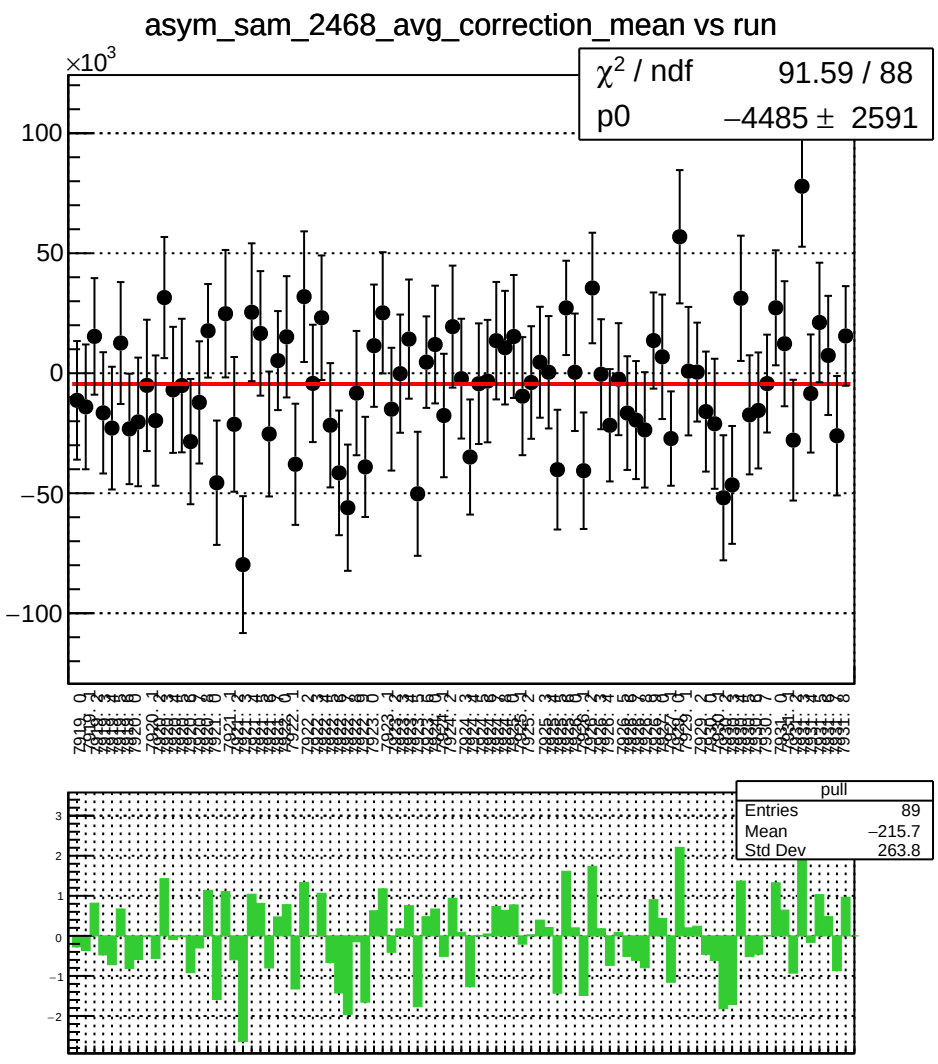

pull1D
Entries 89
Mean 0.007943
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

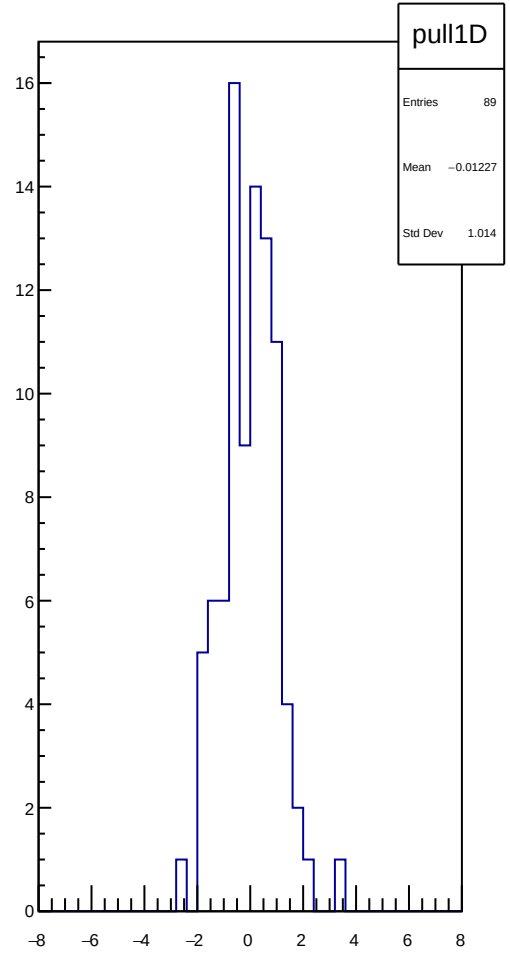

asym_sam_1357_avg_rms vs run
χ² / ndf 2711 / 88
p0 1133 ± 0.865
1300
1250
1200
1150
1100
1050

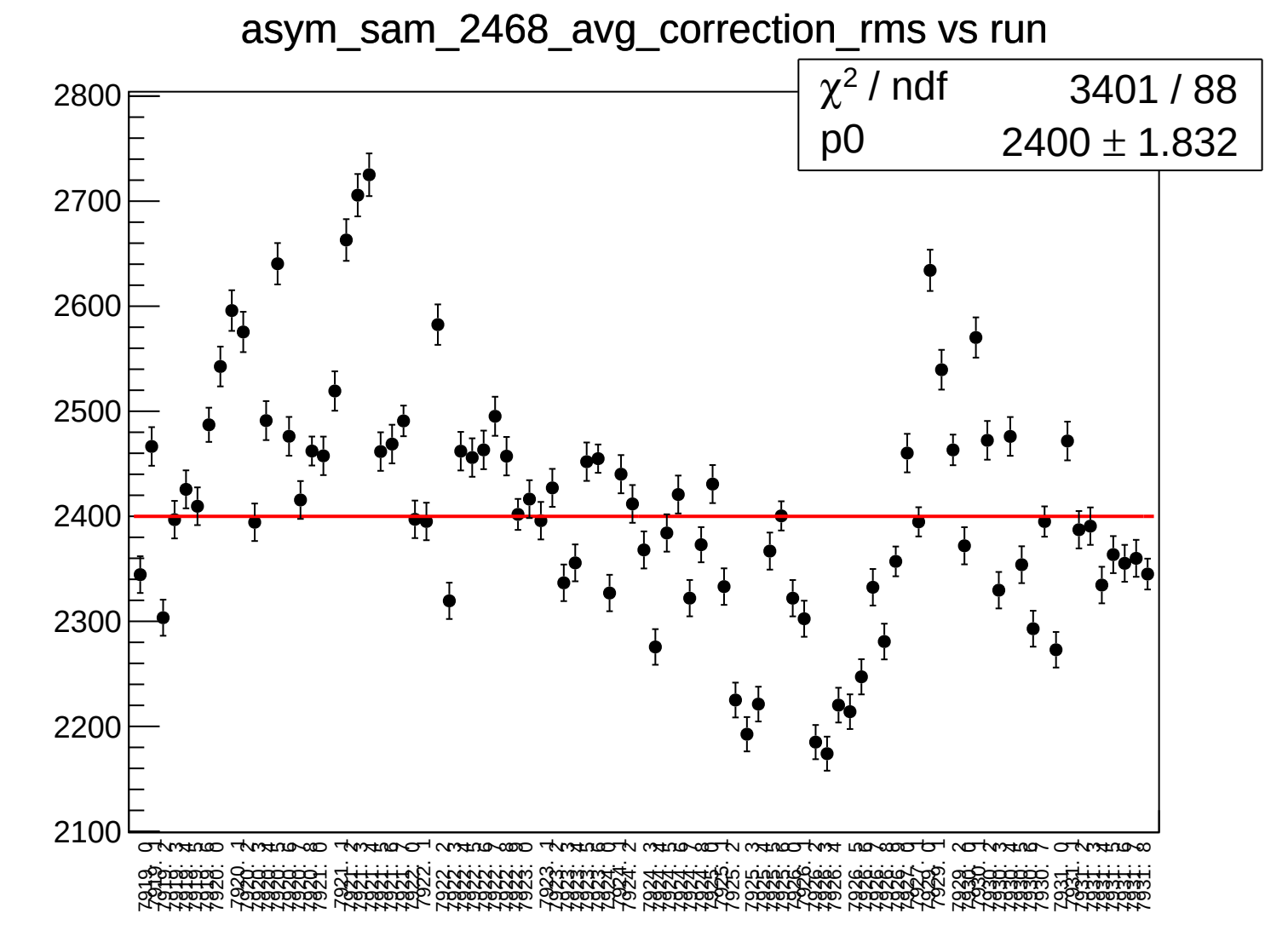

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 89.66 / 88
p0 −43.22 ± 234.2
10000
5000
0
−5000
−10000
pull
Entries 89
Mean −4.363
Std Dev 24.73
2
1
0
−1
−2

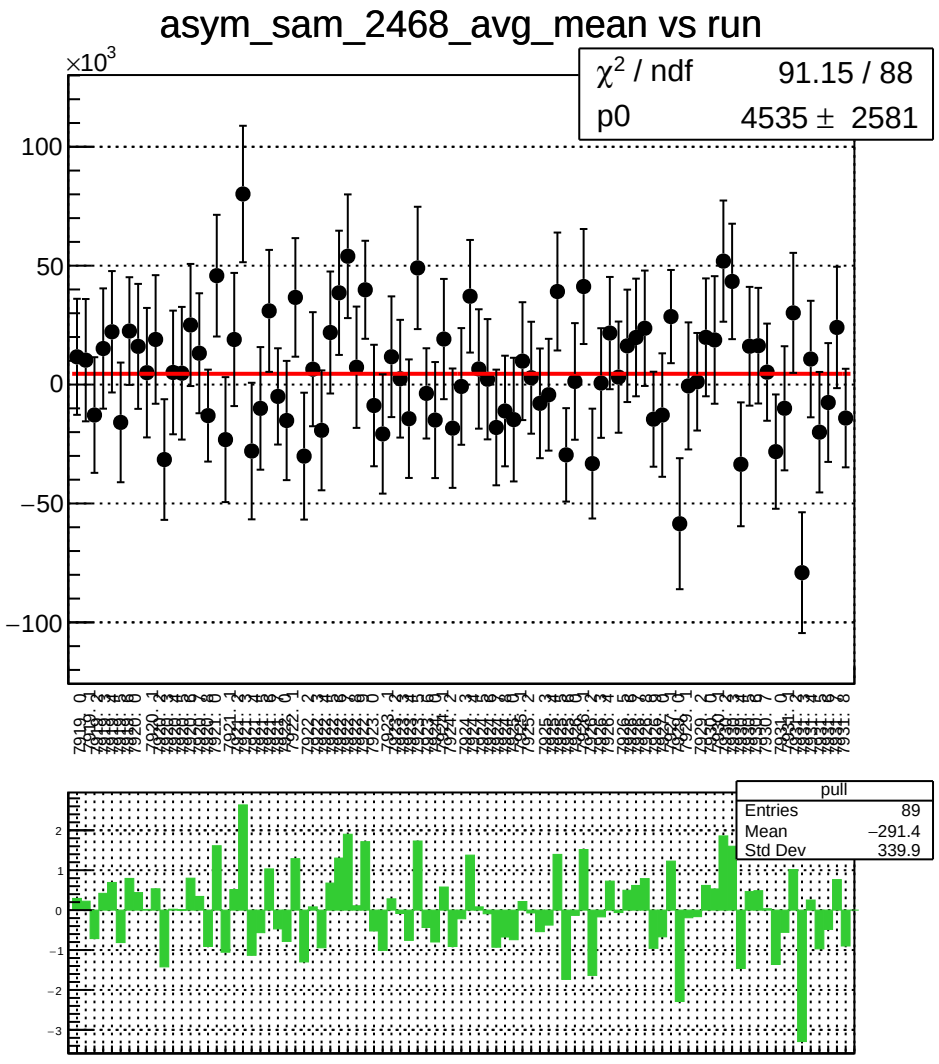

pull1D
Entries 89
Mean −0.01202
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

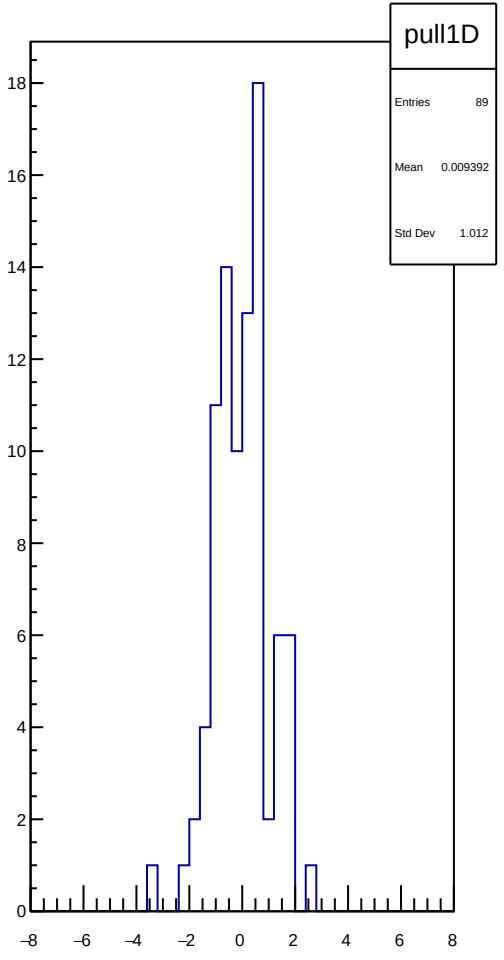

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 9719 / 88
p0 216.5 ± 0.1656
280
260
240
220
200
180

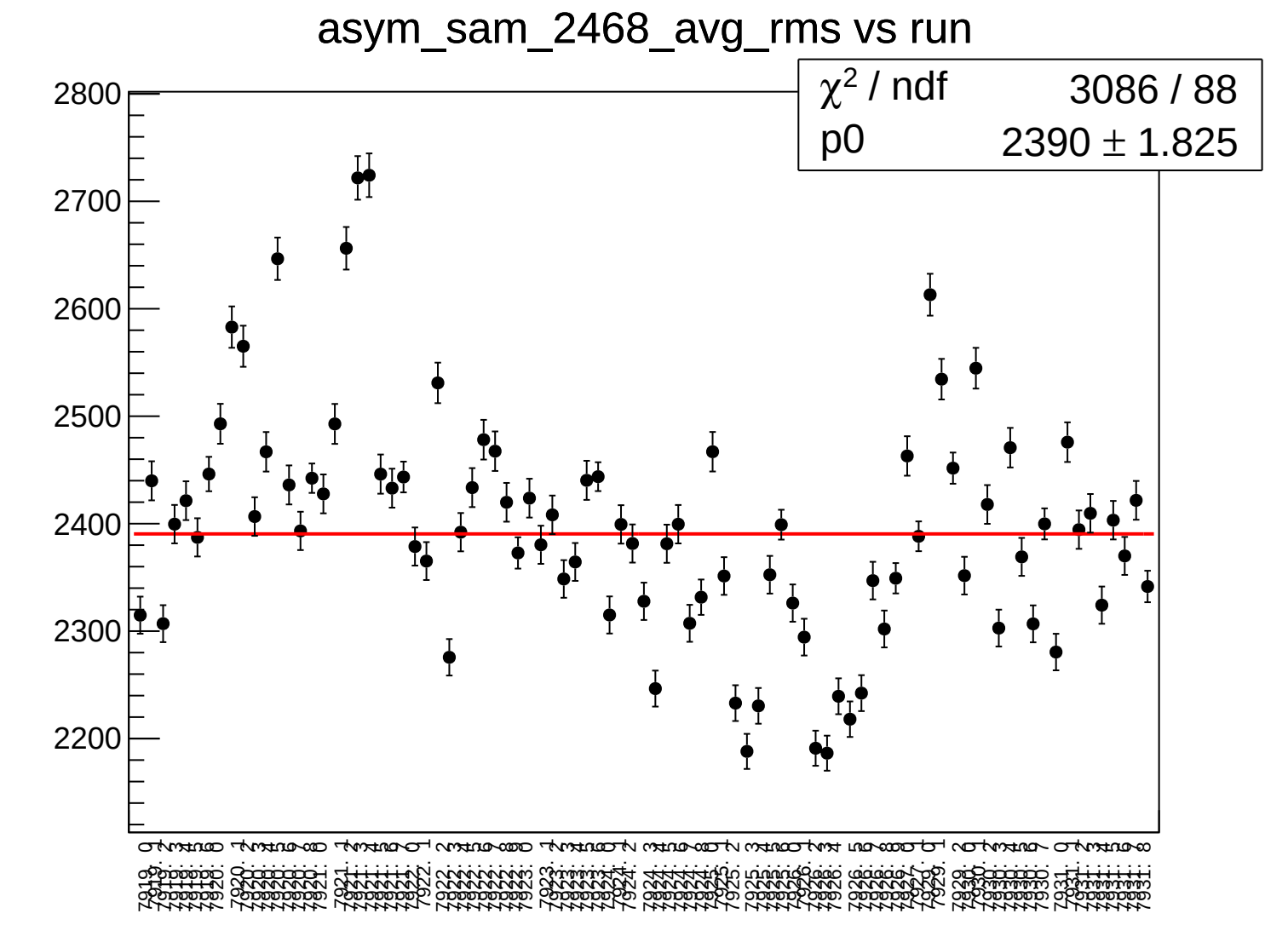

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 91.59 / 88
p0 −4485 ± 2591
100
50
0
−50
−100
pull
Entries 89
Mean −215.7
Std Dev 263.8
3
2
1
0
−1
−2

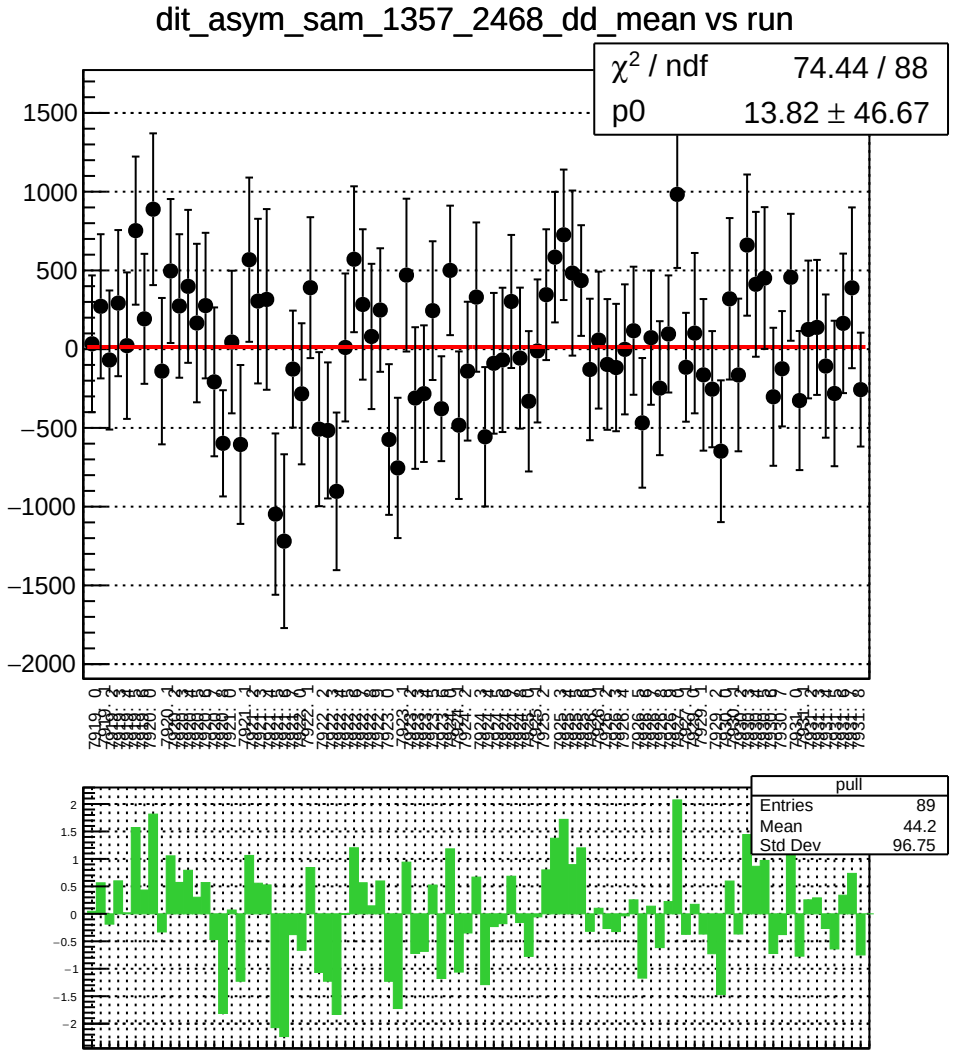

pull1D
Entries 89
Mean −0.01227
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

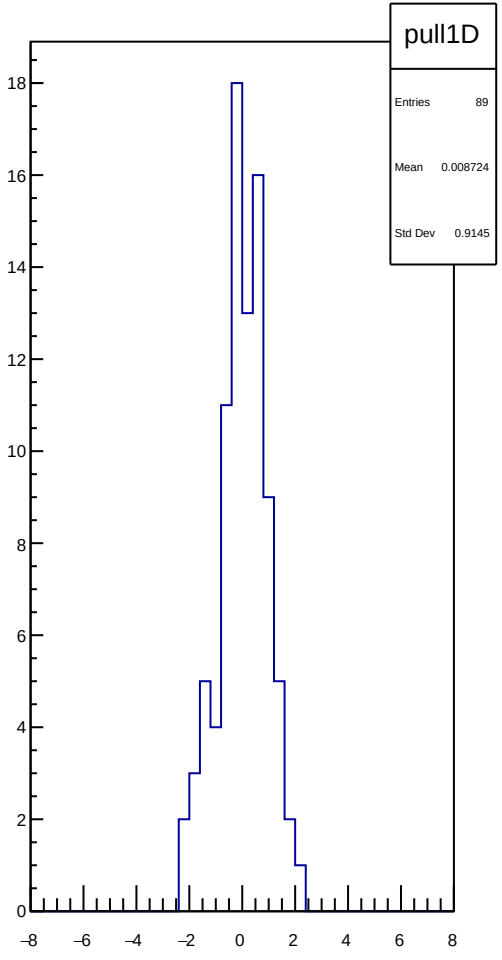

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3401 / 88
p0 2400 ± 1.832
2800
2700
2600
2500
2400
2300
2200
2100

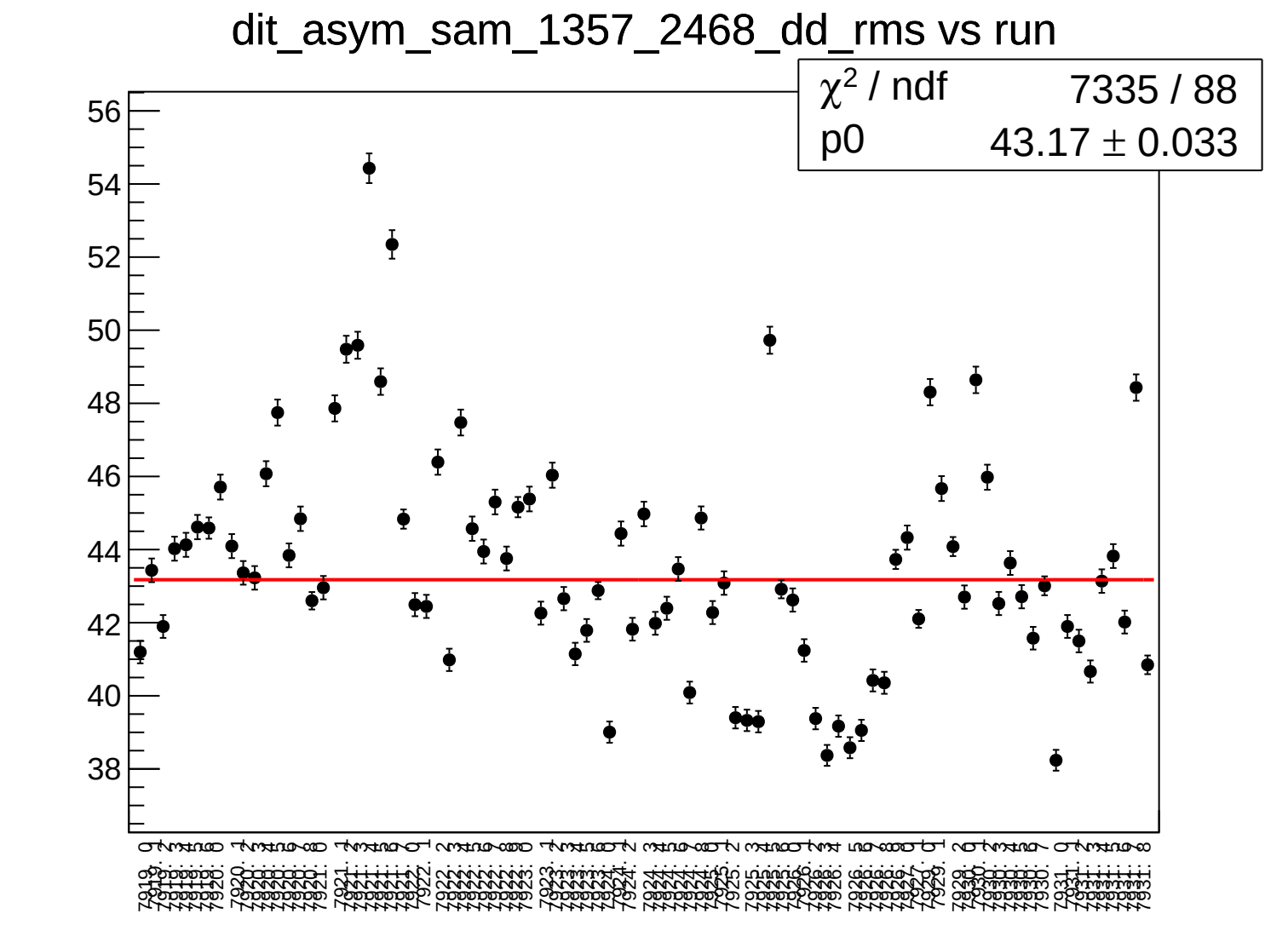

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 91.15 / 88
p0 4535 ± 2581
100
50
0
−50
−100
pull
Entries 89
Mean −291.4
Std Dev 339.9
2
1
0
−1
−2
−3

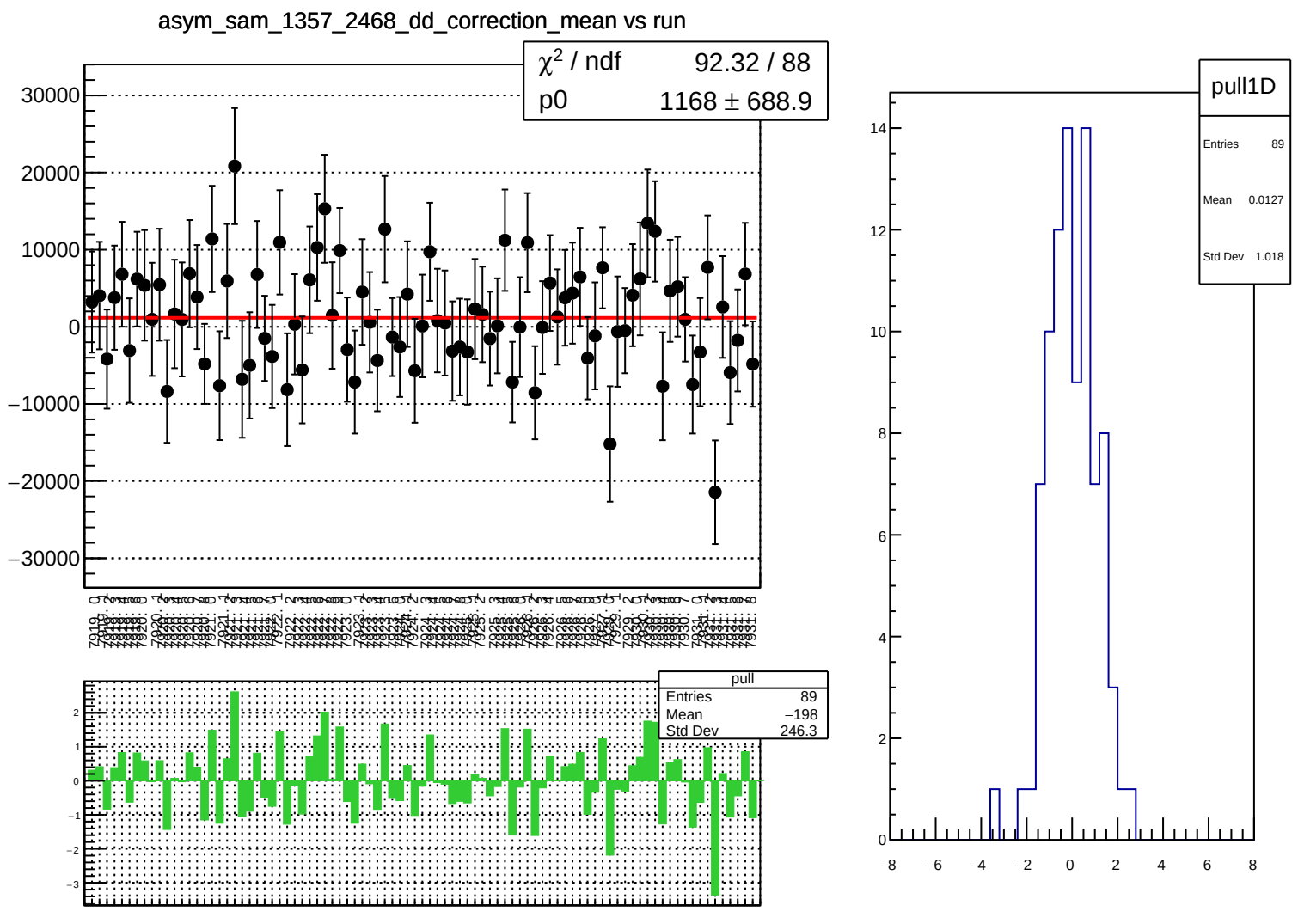

pull1D
Entries 89
Mean 0.009392
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

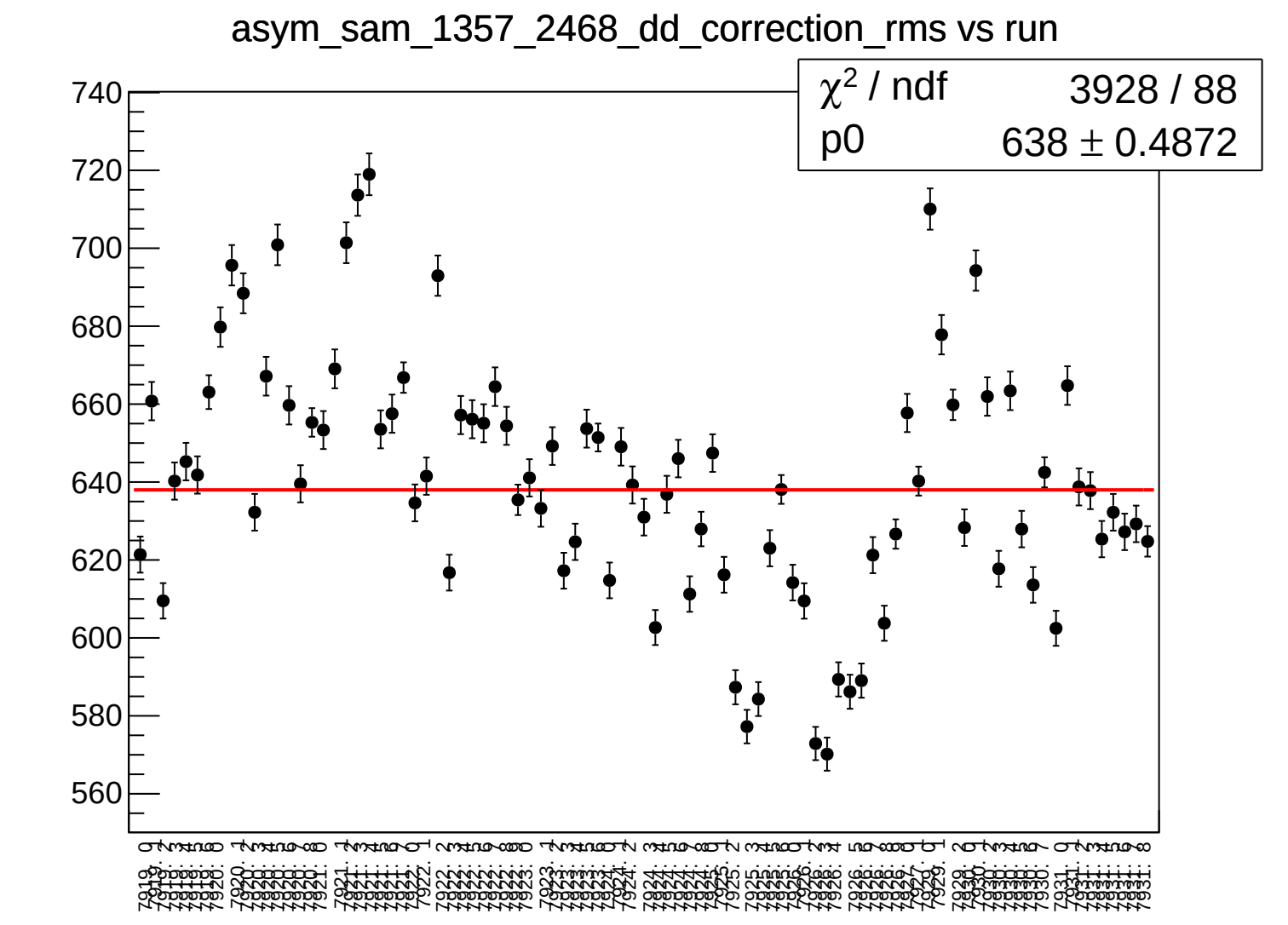

asym_sam_2468_avg_rms vs run
χ² / ndf 3086 / 88
p0 2390 ± 1.825
2800
2700
2600
2500
2400
2300
2200

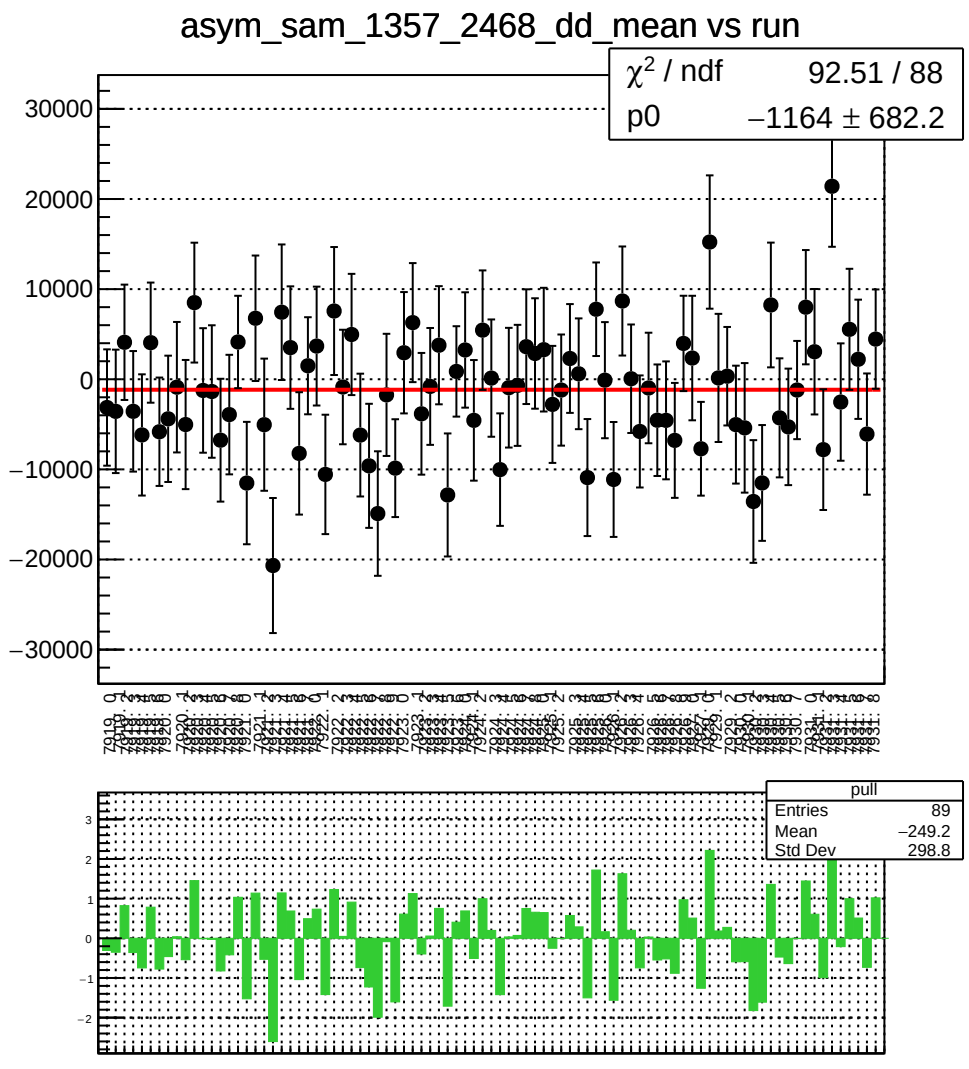

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 74.44 / 88
p0 13.82 ± 46.67
pull
Entries 89
Mean 44.2
Std Dev 96.75

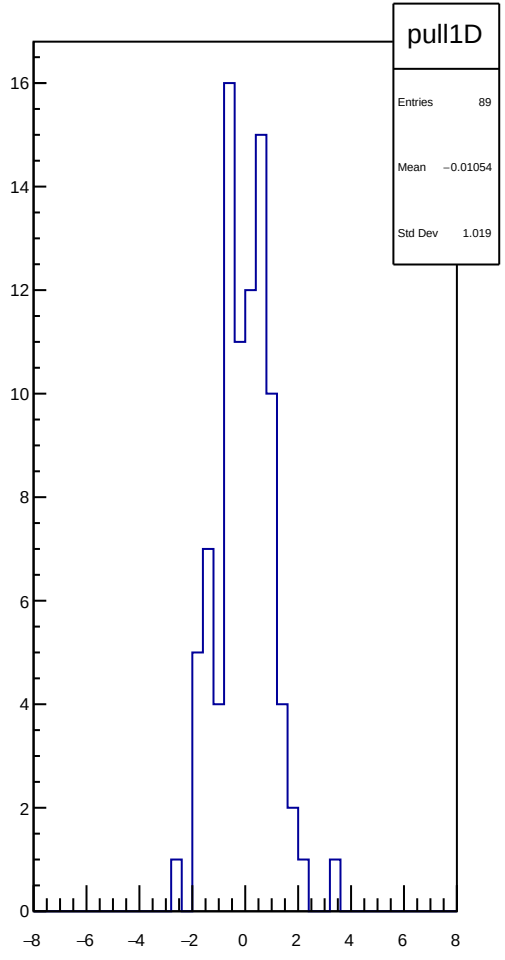

pull1D
Entries 89
Mean 0.008724
Std Dev 0.9145

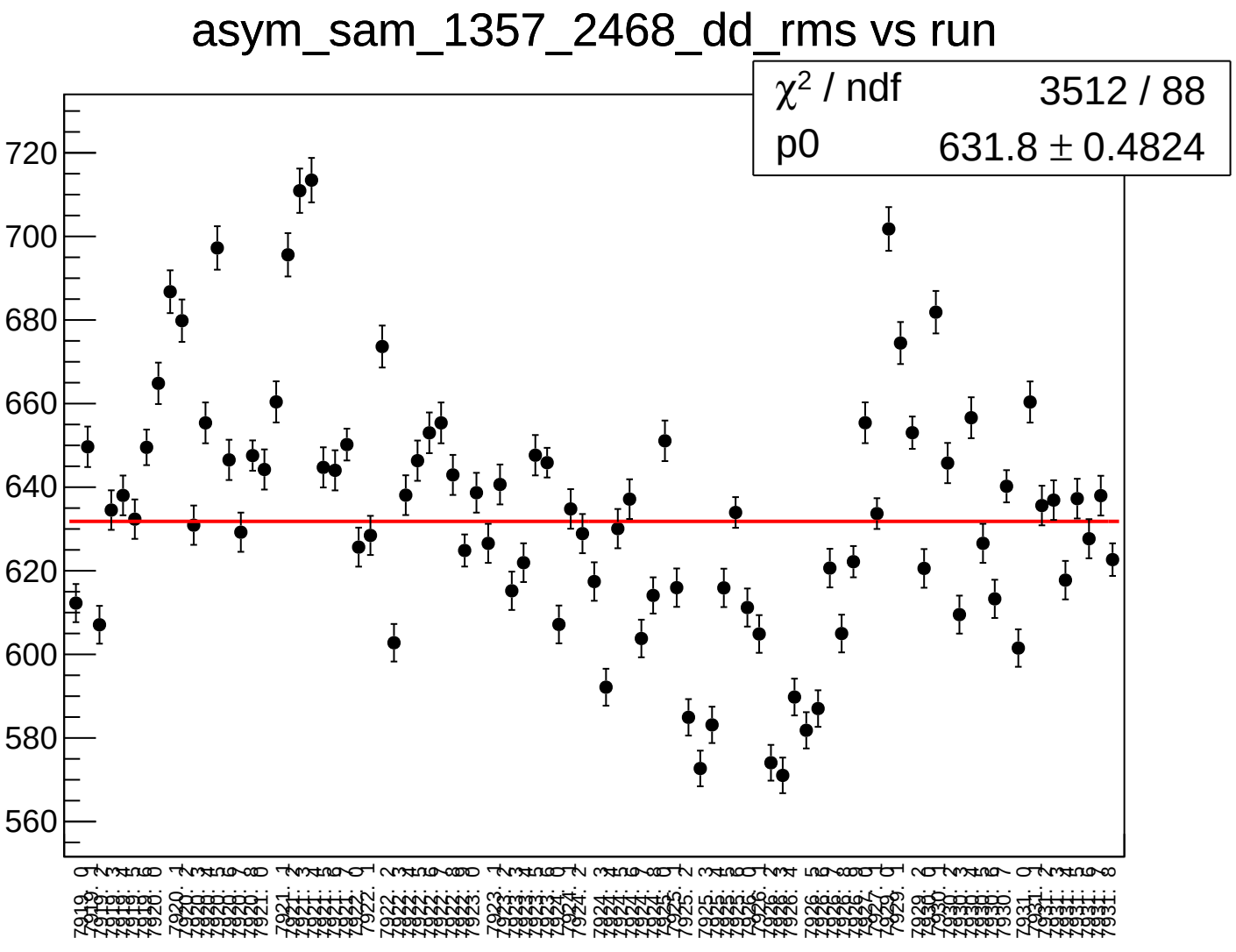

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 7335 / 88
p0 43.17 ± 0.033
56
54
52
50
48
46
44
42
40
38

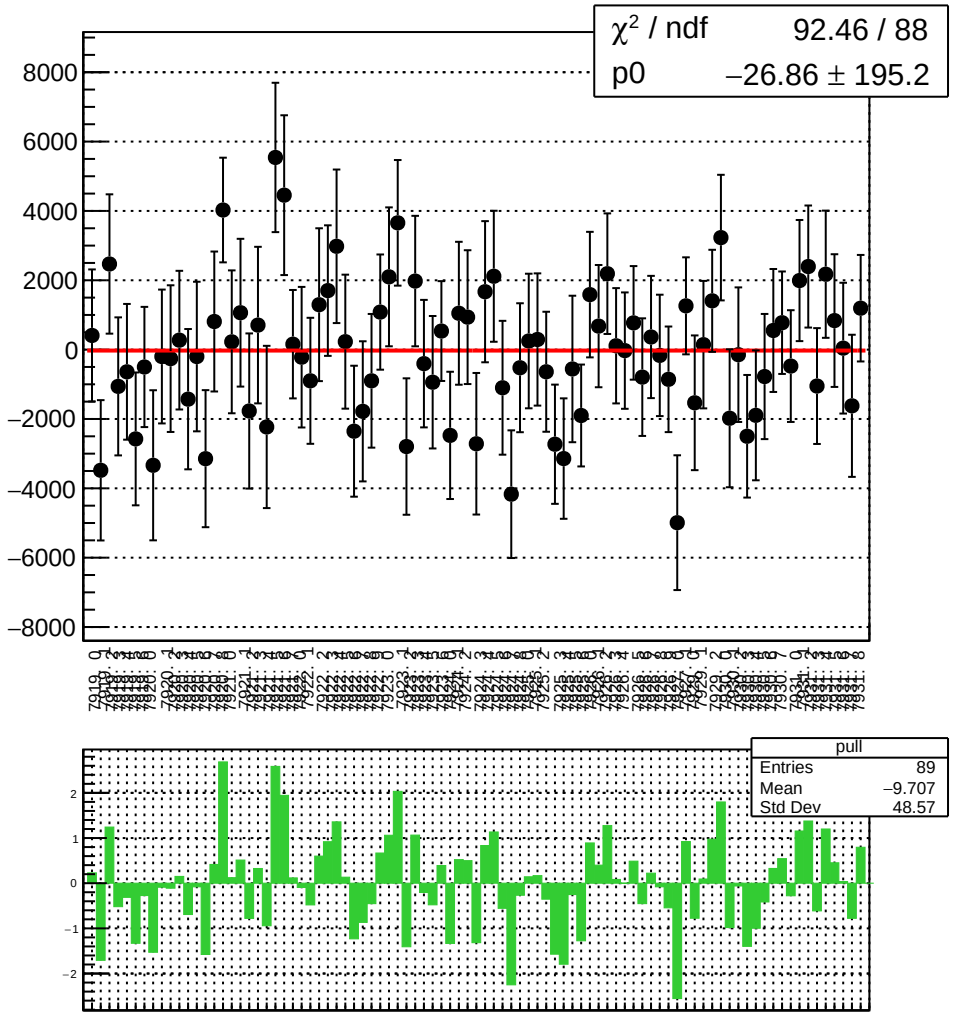

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 92.32 / 88
p0 1168 ± 688.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −198
Std Dev 246.3
pull1D
Entries 89
Mean 0.0127
Std Dev 1.018

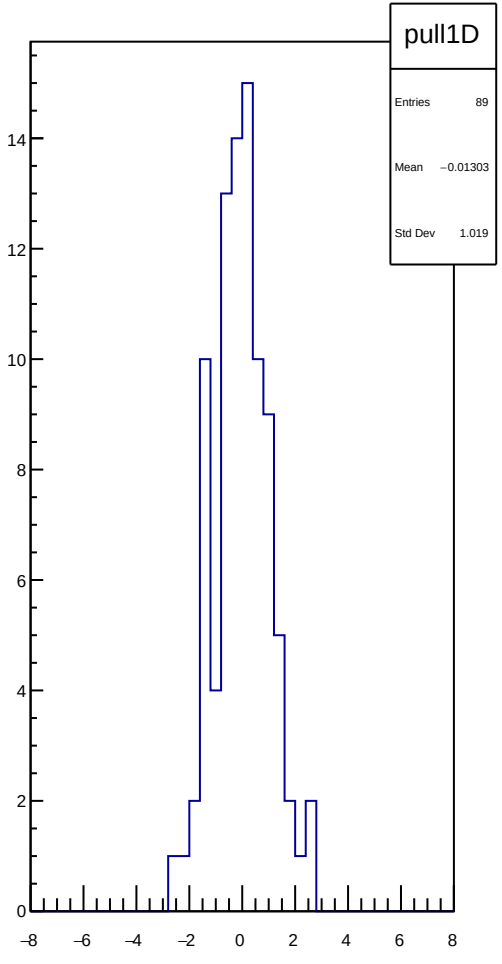

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 3928 / 88
p0 638 ± 0.4872
740
720
700
680
660
640
620
600
580
560

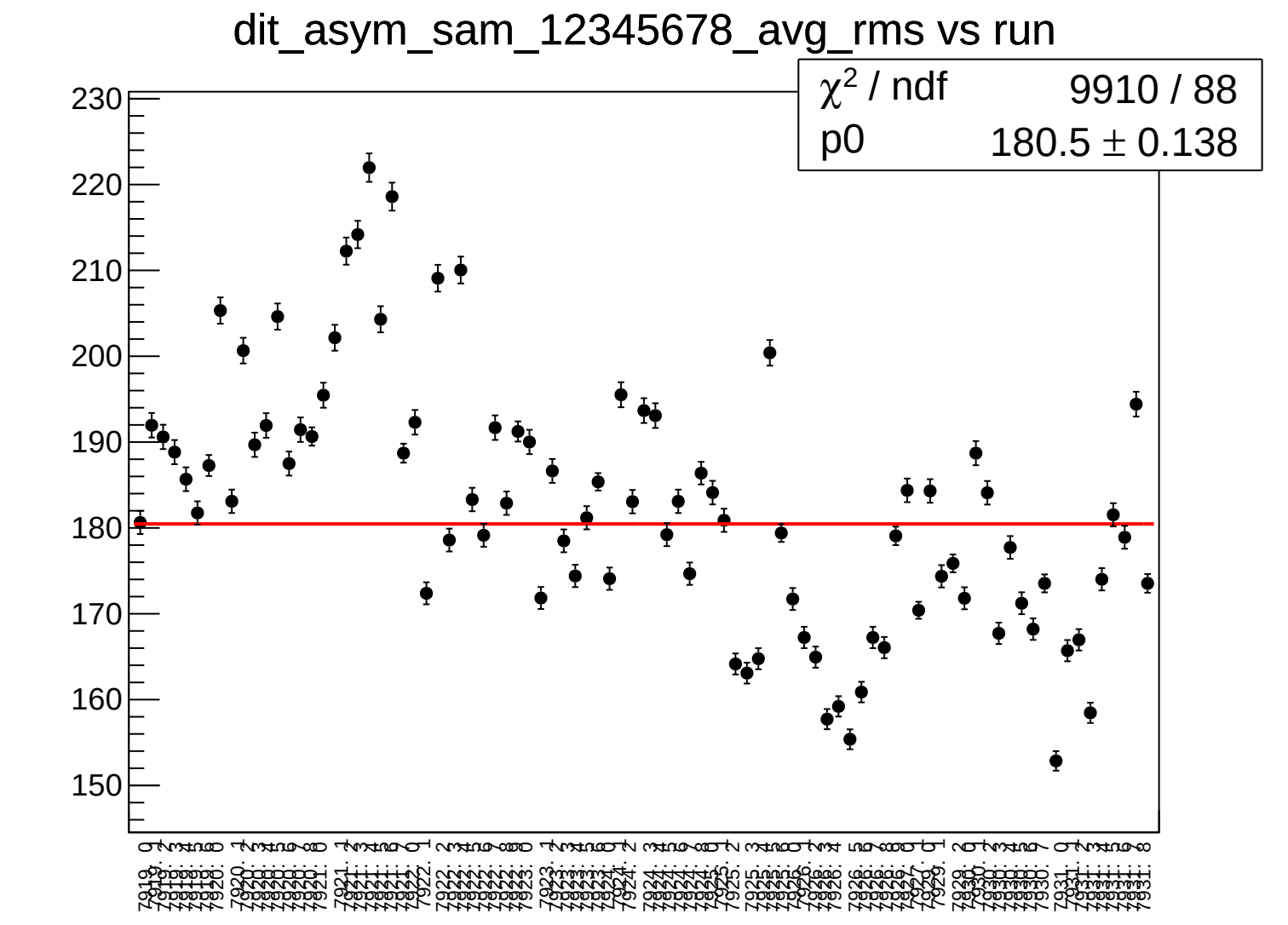

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 92.51 / 88
p0 −1164 ± 682.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 89
Mean −249.2
Std Dev 298.8
3
2
1
0
−1
−2

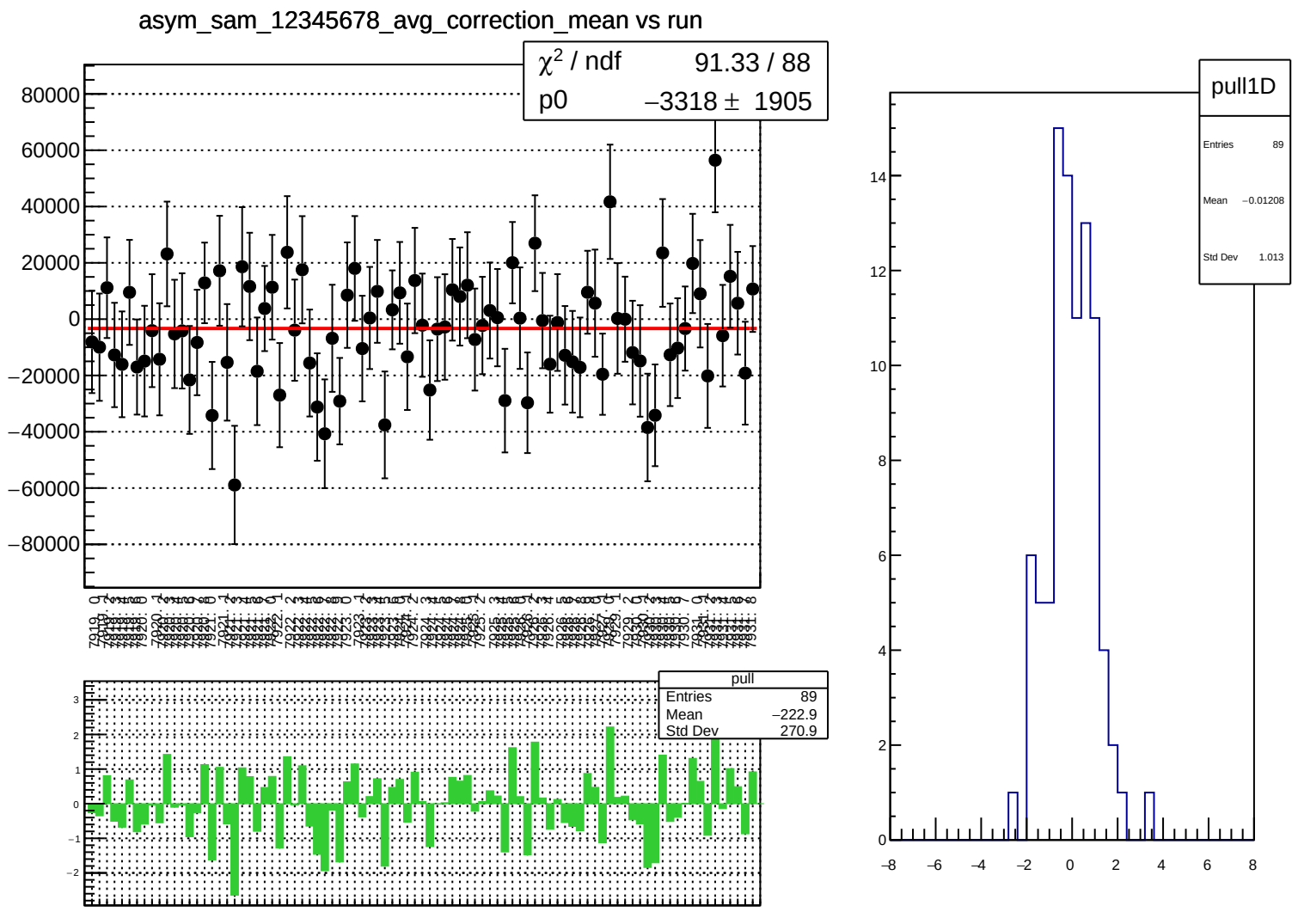

pull1D
Entries 89
Mean −0.01054
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

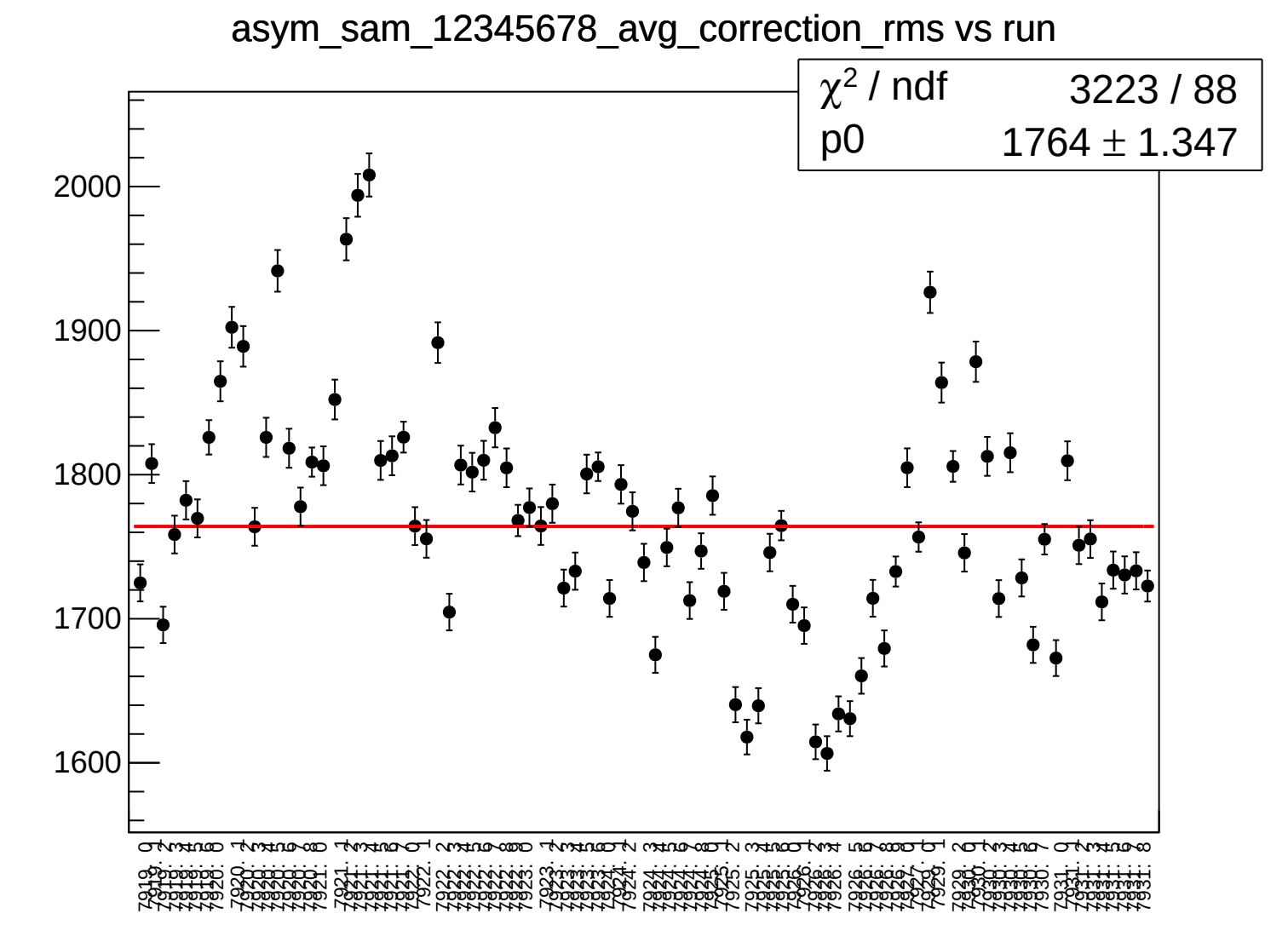

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3512 / 88
p0 631.8 ± 0.4824
720
700
680
660
640
620
600
580
560

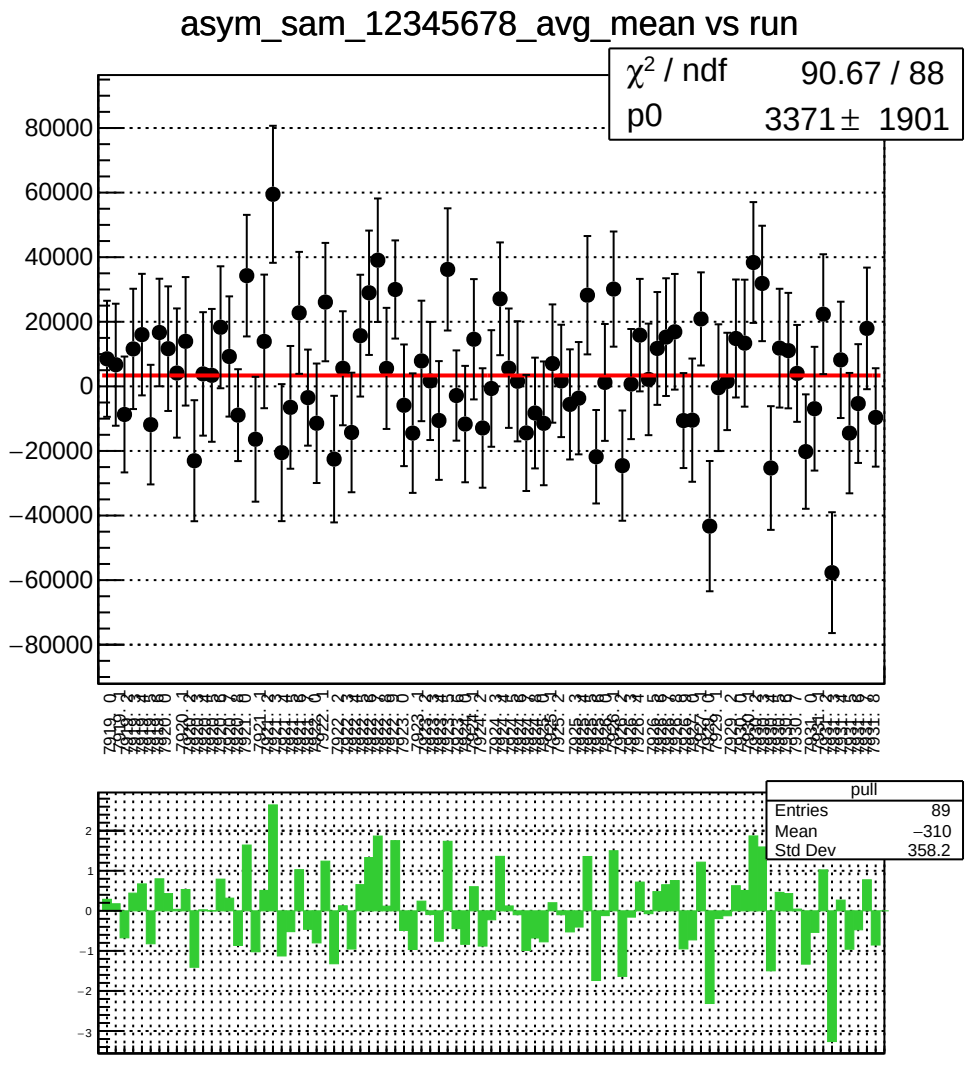

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 92.46 / 88
p0 −26.86 ± 195.2
pull
Entries 89
Mean −9.707
Std Dev 48.57

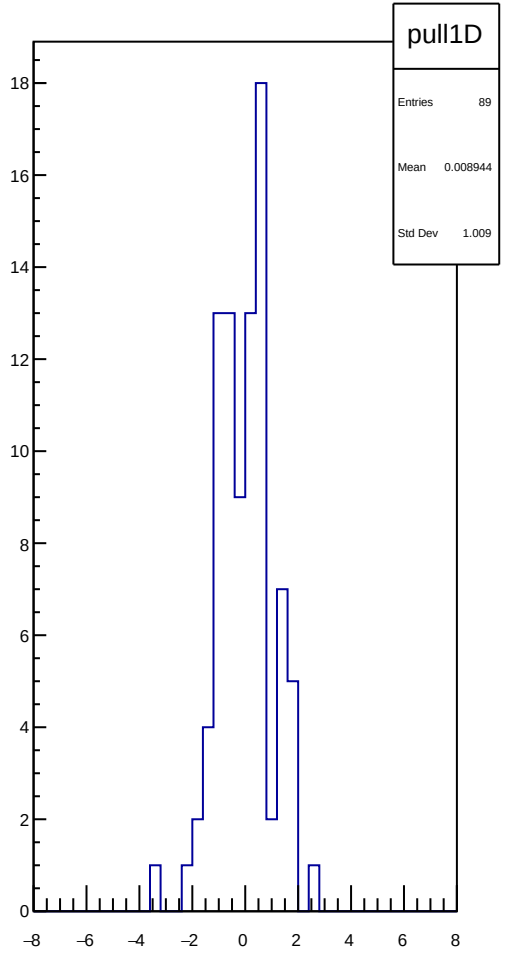

pull1D
Entries 89
Mean −0.01303
Std Dev 1.019

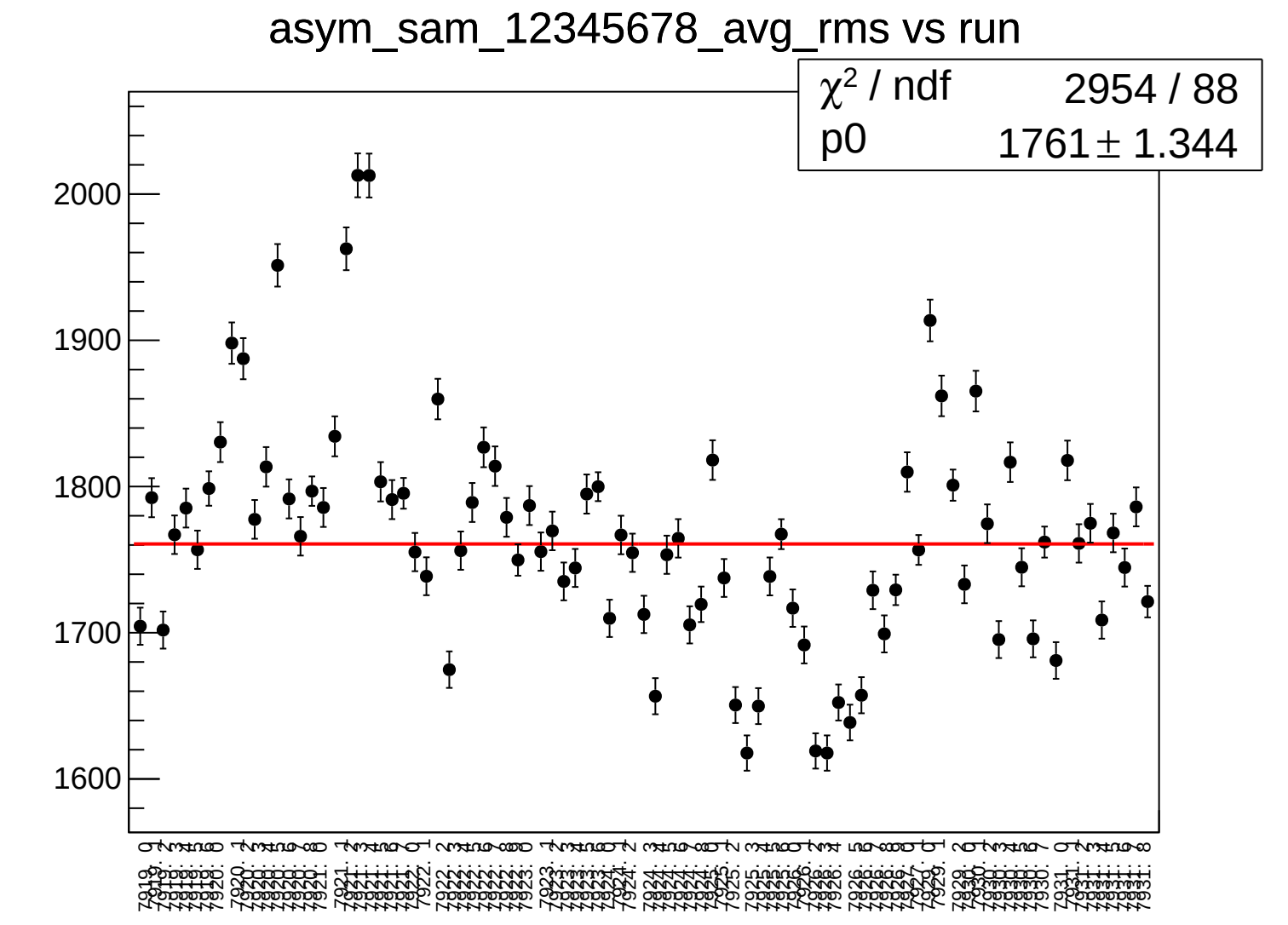

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 9910 / 88
p0 180.5 ± 0.138
230
220
210
200
190
180
170
160
150

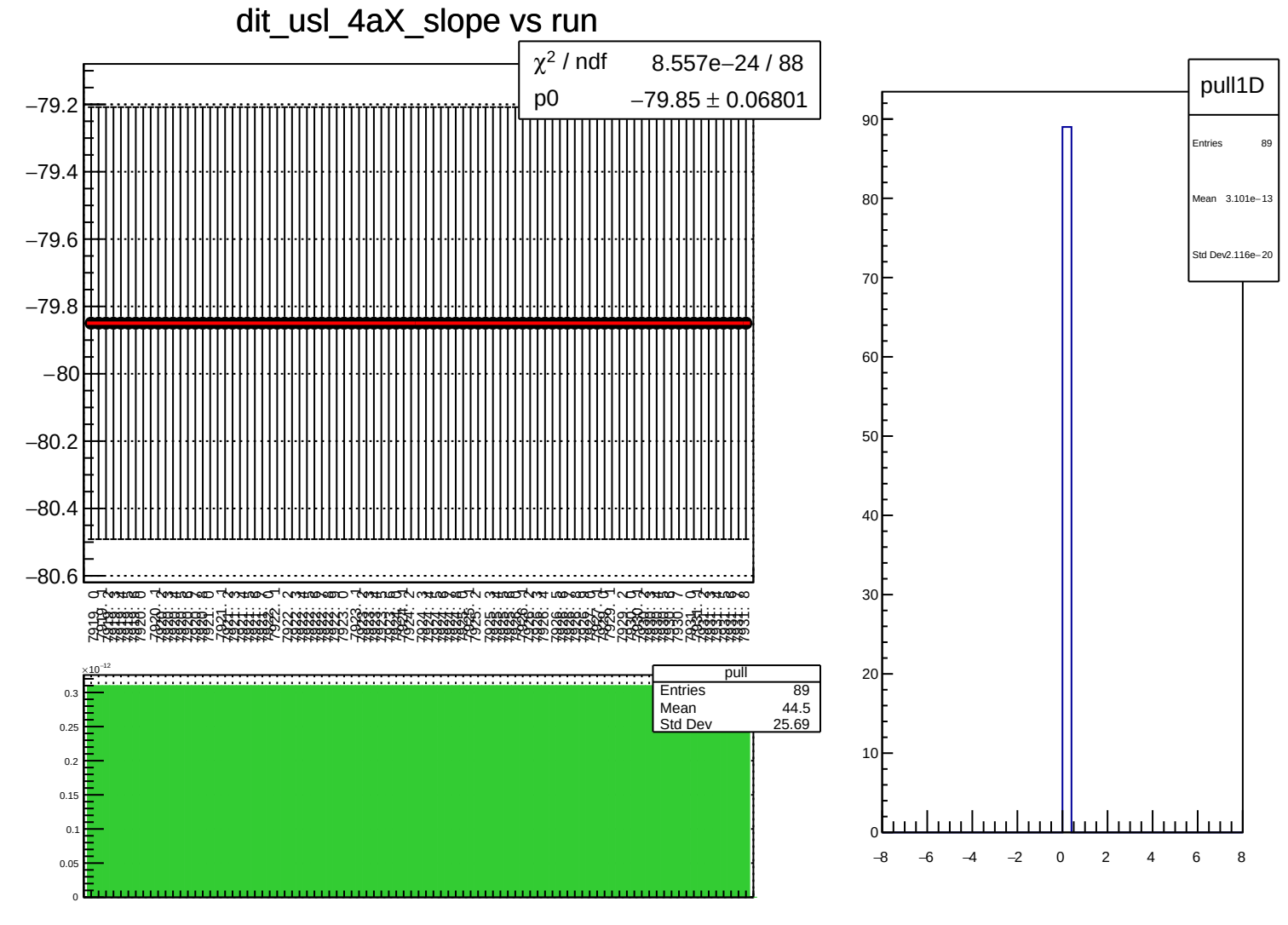

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 91.33 / 88
p0 −3318 ± 1905
pull
Entries 89
Mean −222.9
Std Dev 270.9
pull1D
Entries 89
Mean −0.01208
Std Dev 1.013

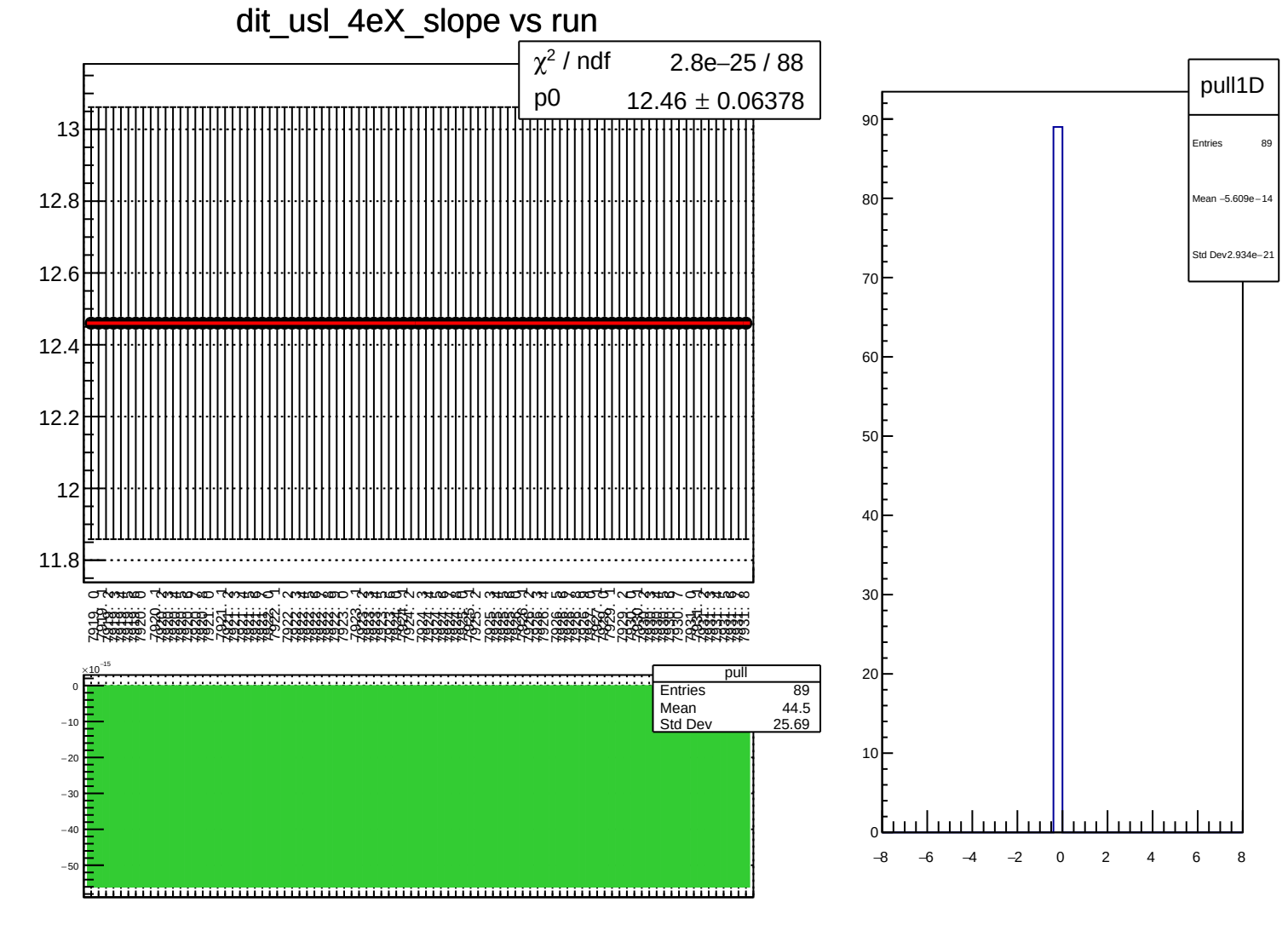

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3223 / 88
p0 1764 ± 1.347
2000
1900
1800
1700
1600

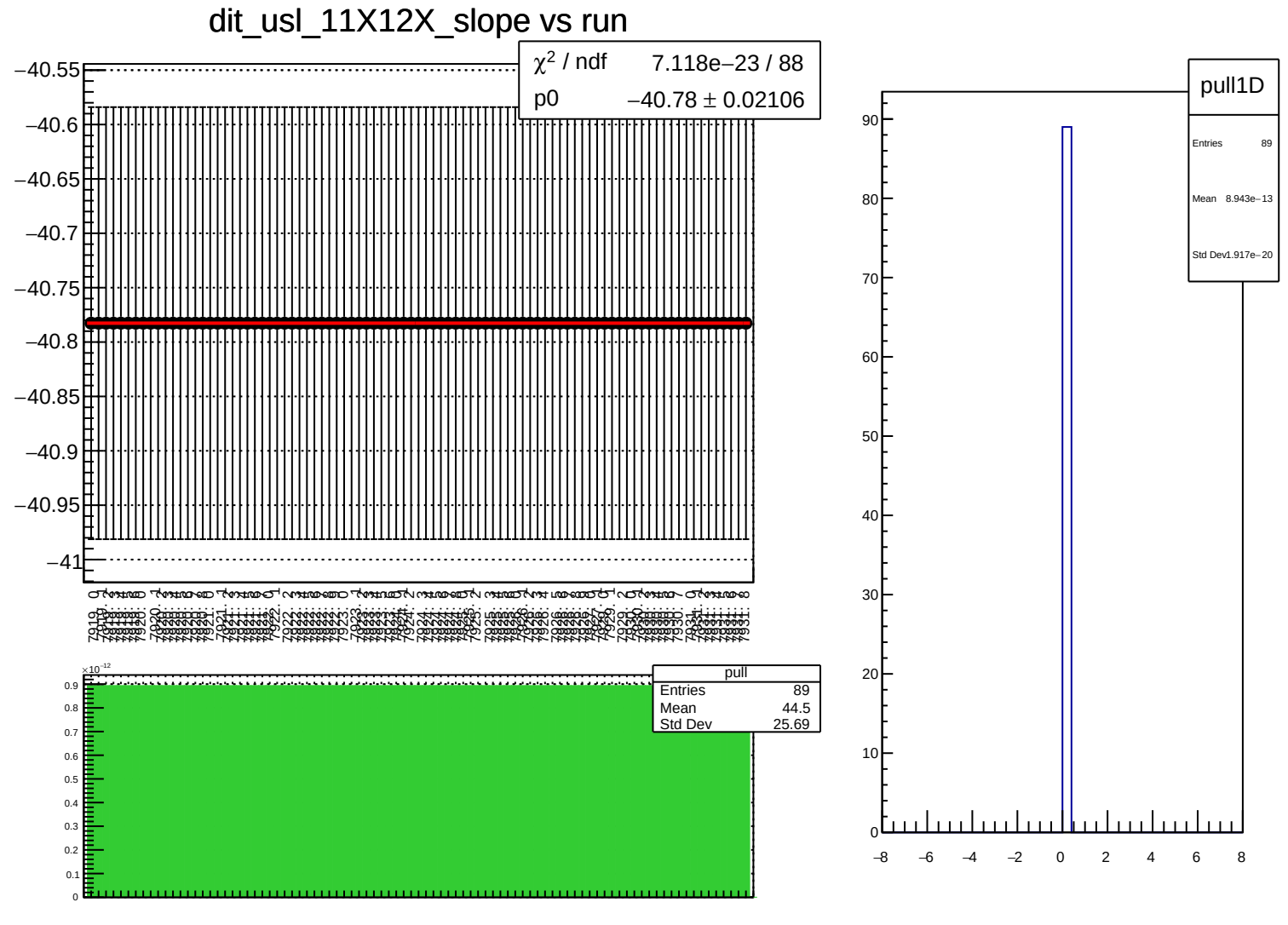

asym_sam_12345678_avg_mean vs run
χ² / ndf 90.67 / 88
p0 3371 ± 1901
pull
Entries 89
Mean −310
Std Dev 358.2

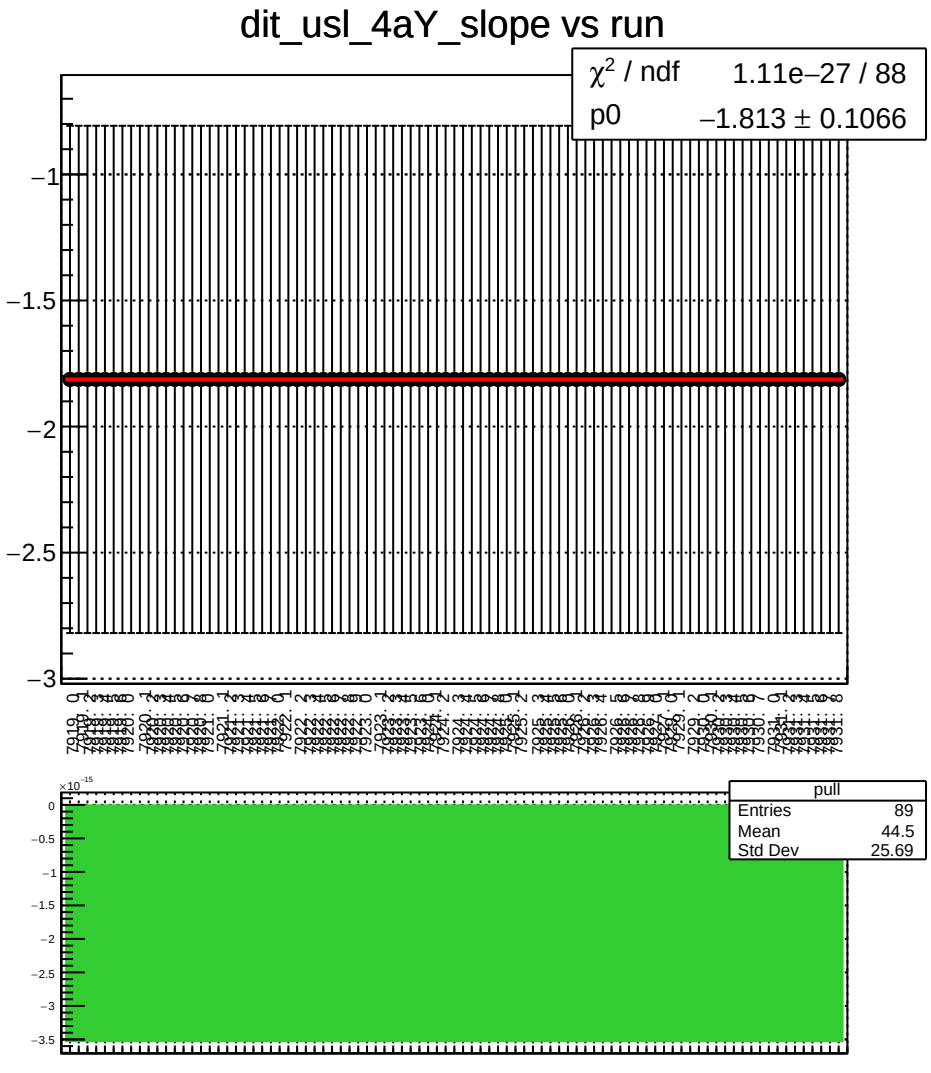

pull1D
Entries 89
Mean 0.008944
Std Dev 1.009

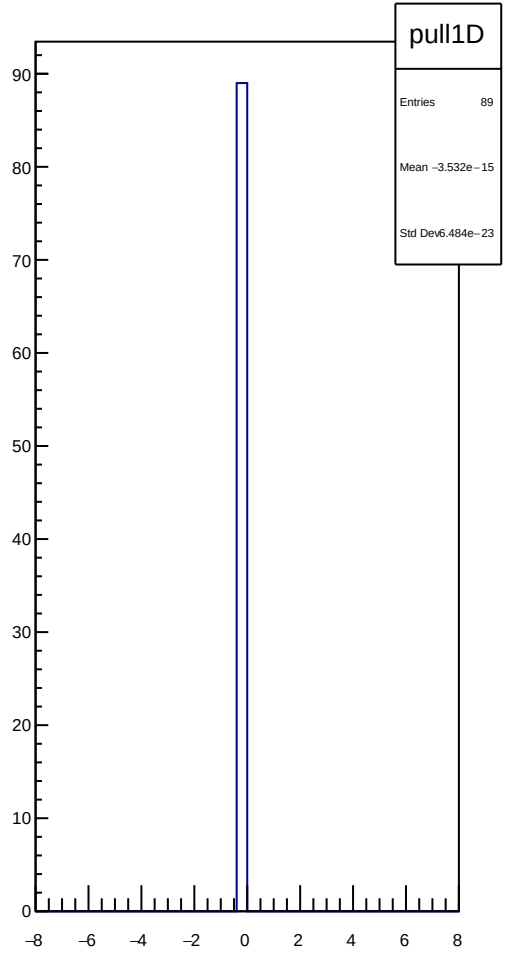

asym_sam_12345678_avg_rms vs run
χ² / ndf 2954 / 88
p0 1761 ± 1.344
2000
1900
1800
1700
1600

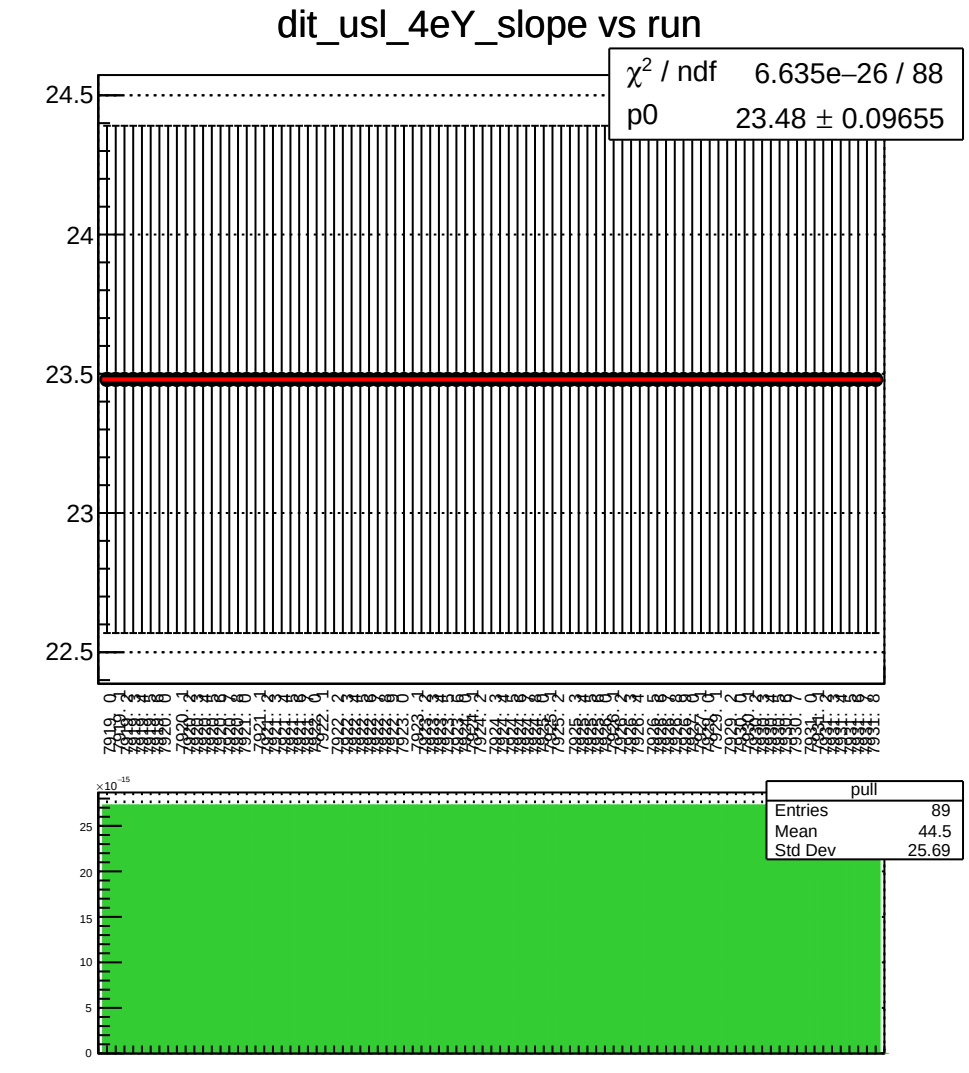

dit_usl_4aX_slope vs run
χ² / ndf 8.557e−24 / 88
p0 −79.85 ± 0.06801
−79.2
−79.4
−79.6
−79.8
−80
−80.2
−80.4
−80.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 3.101e−13
Std Dev 2.116e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

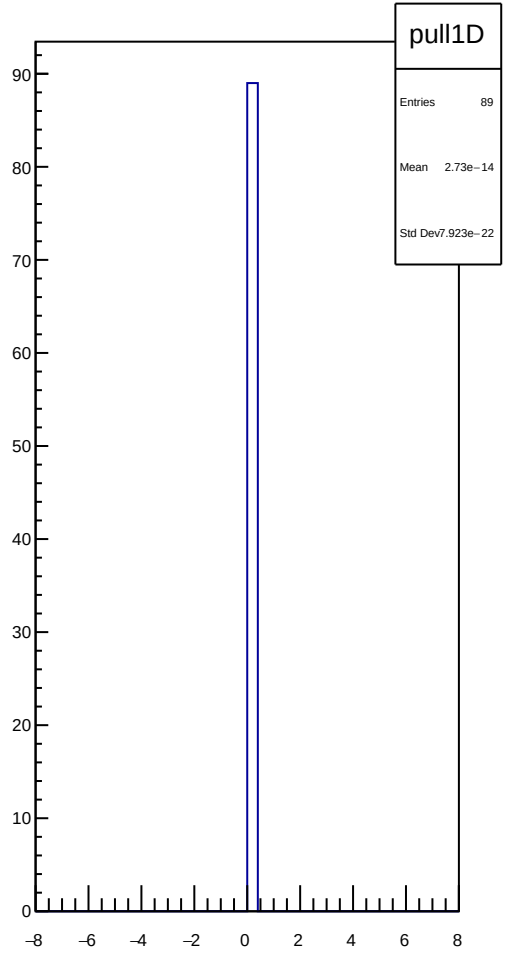

dit_usl_4eX_slope vs run
χ² / ndf 2.8e−25 / 88
p0 12.46 ± 0.06378
13
12.8
12.6
12.4
12.2
12
11.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 89
Mean −5.609e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

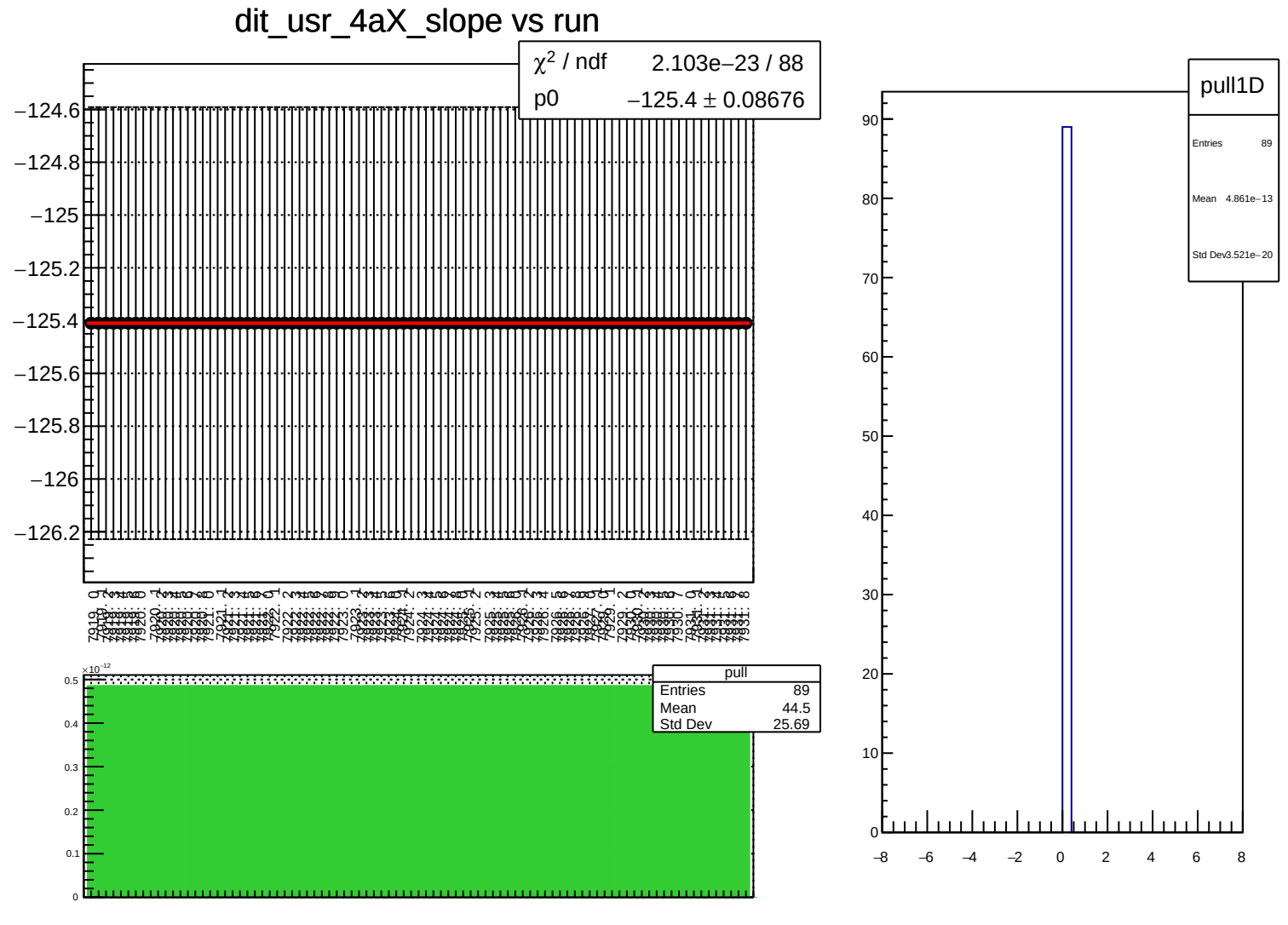

dit_usl_11X12X_slope vs run
χ² / ndf 7.118e−23 / 88
p0 −40.78 ± 0.02106
−40.55
−40.6
−40.65
−40.7
−40.75
−40.8
−40.85
−40.9
−40.95
−41
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
pull1D
Entries 89
Mean 8.943e−13
Std Dev1.917e−20

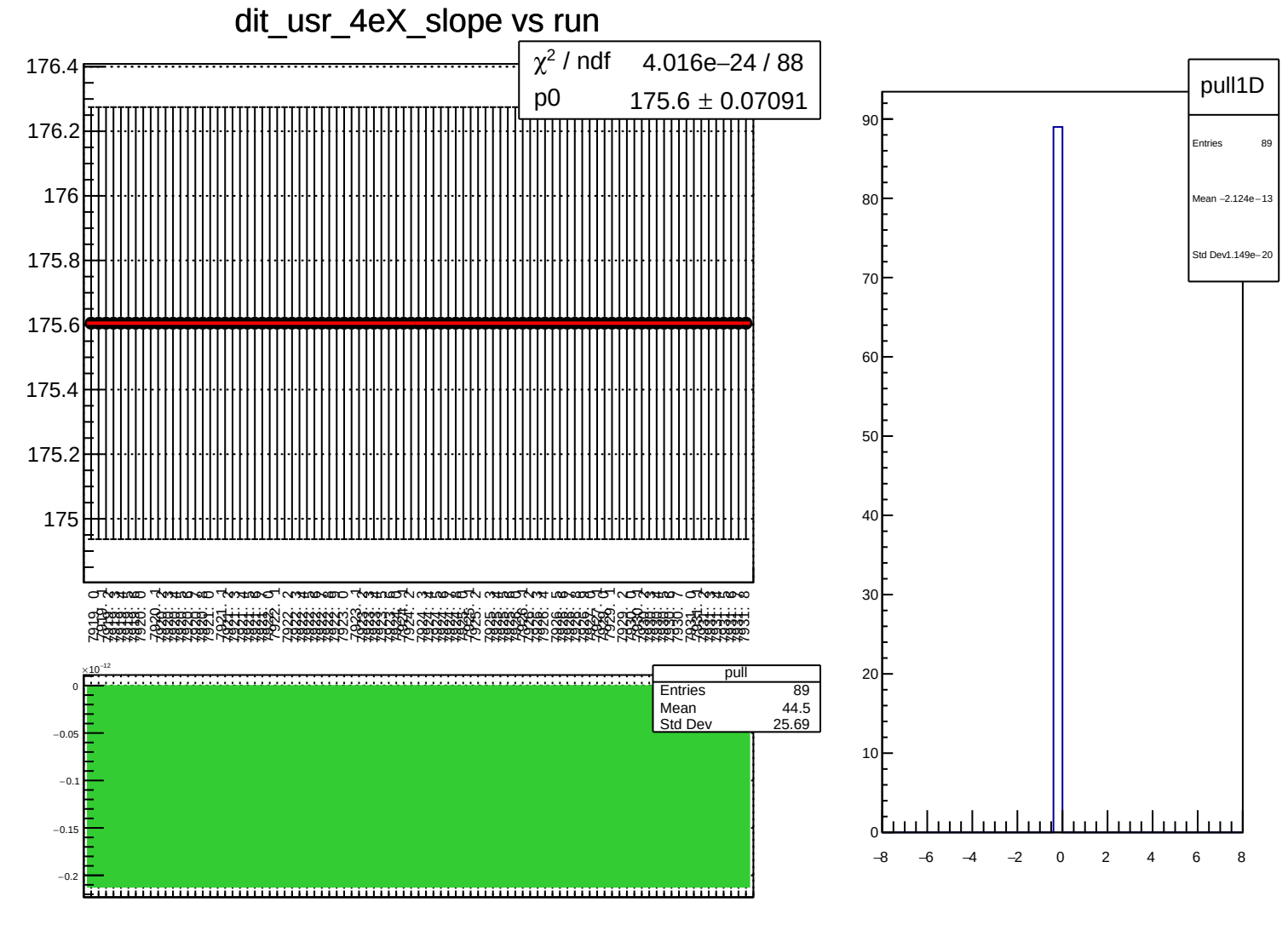

dit_usl_4aY_slope vs run
χ² / ndf 1.11e−27 / 88
p0 −1.813 ± 0.1066
pull
Entries 89
Mean 44.5
Std Dev 25.69

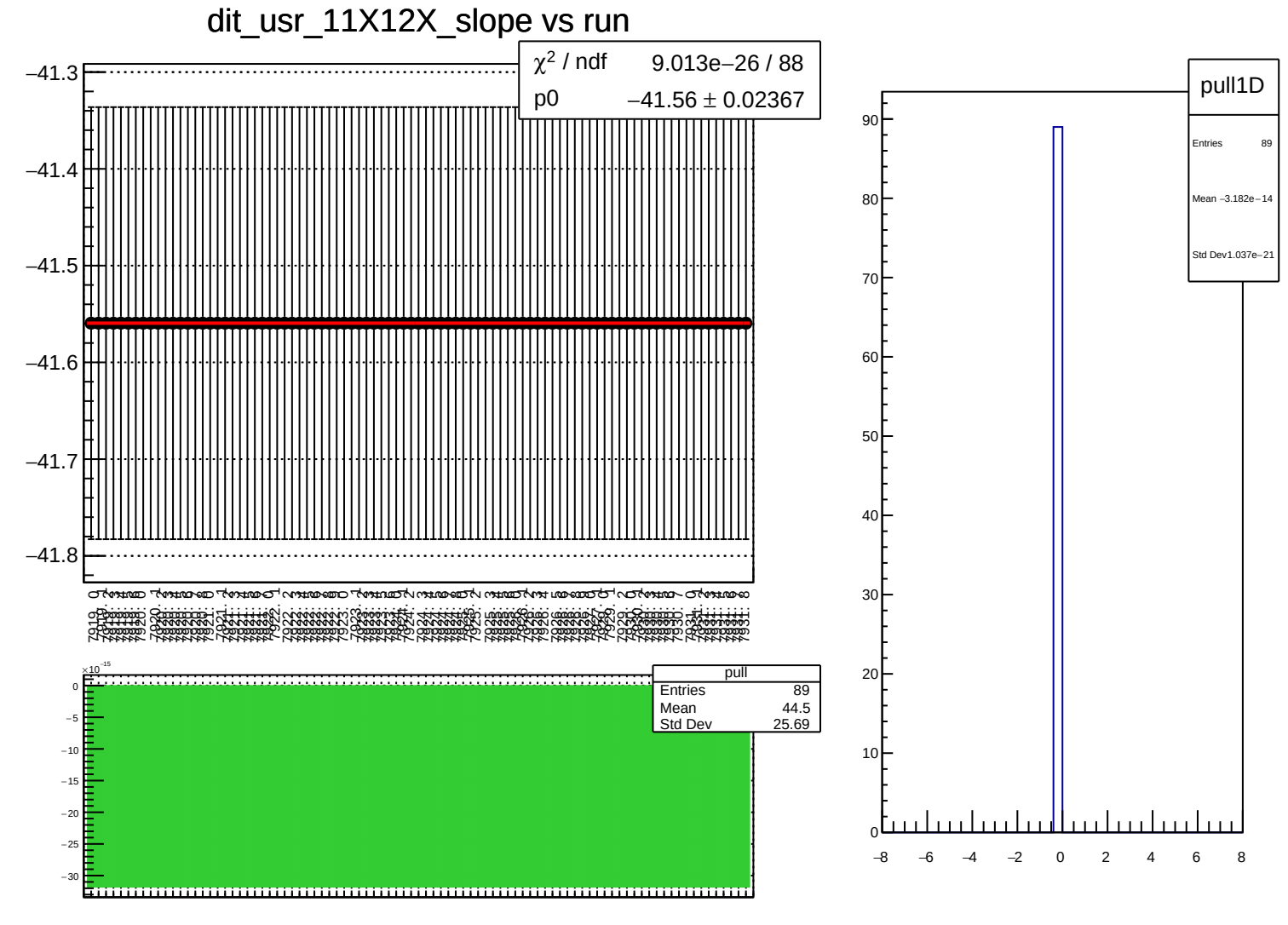

pull1D
Entries 89
Mean −3.532e−15
Std Dev 6.484e−23

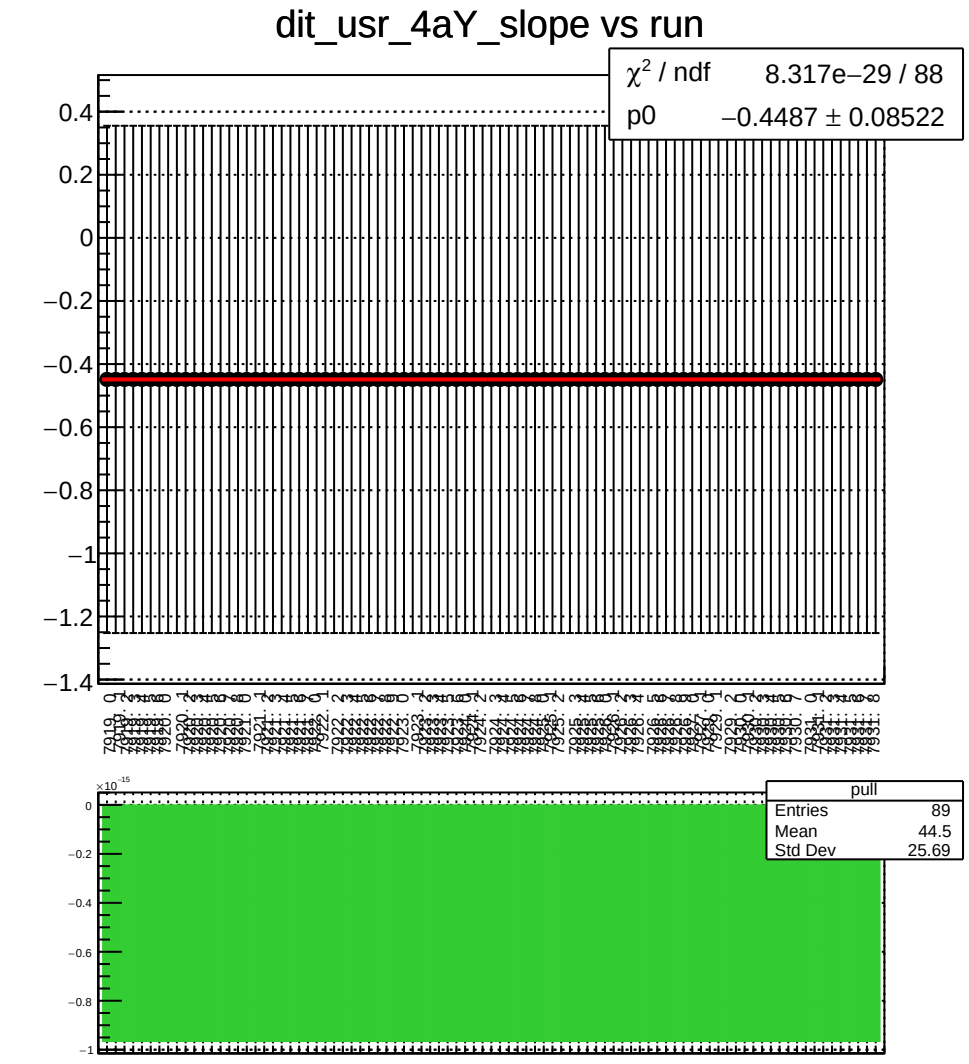

dit_usl_4eY_slope vs run
χ² / ndf 6.635e−26 / 88
p0 23.48 ± 0.09655
24.5
24
23.5
23
22.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
25
20
15
10
5
0

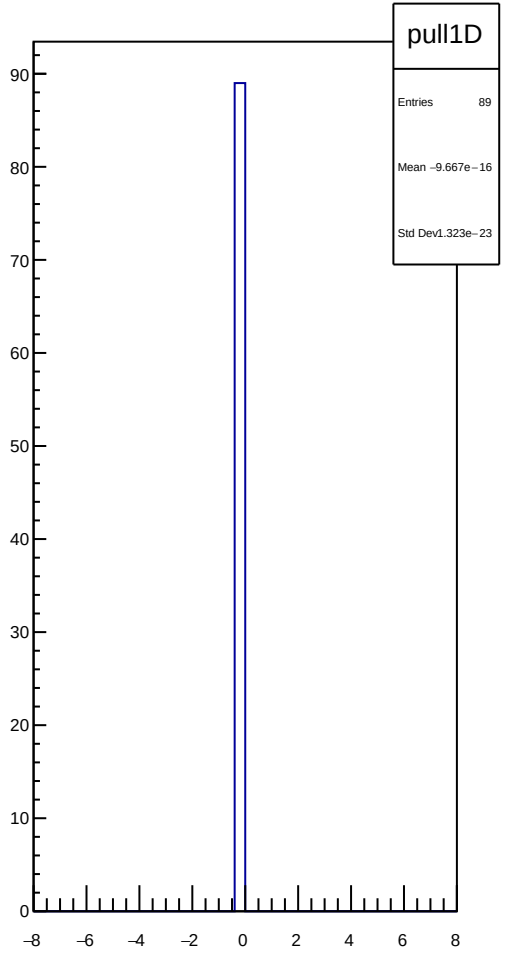

pull1D
Entries 89
Mean 2.73e−14
Std Dev7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

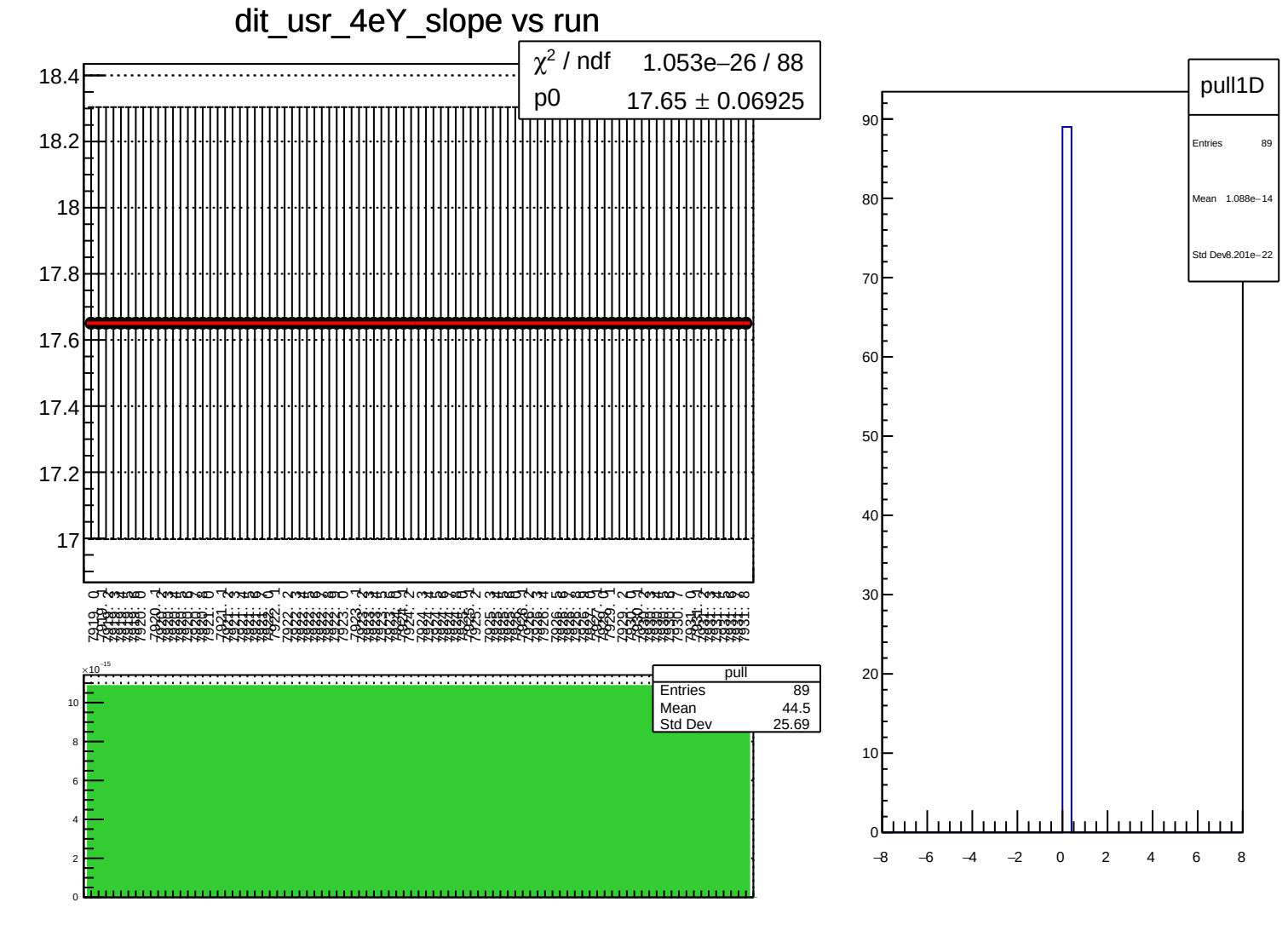

dit_usr_4aX_slope vs run
χ² / ndf 2.103e−23 / 88
p0 −125.4 ± 0.08676
−124.6
−124.8
−125
−125.2
−125.4
−125.6
−125.8
−126
−126.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 89
Mean 4.861e−13
Std Dev 3.521e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

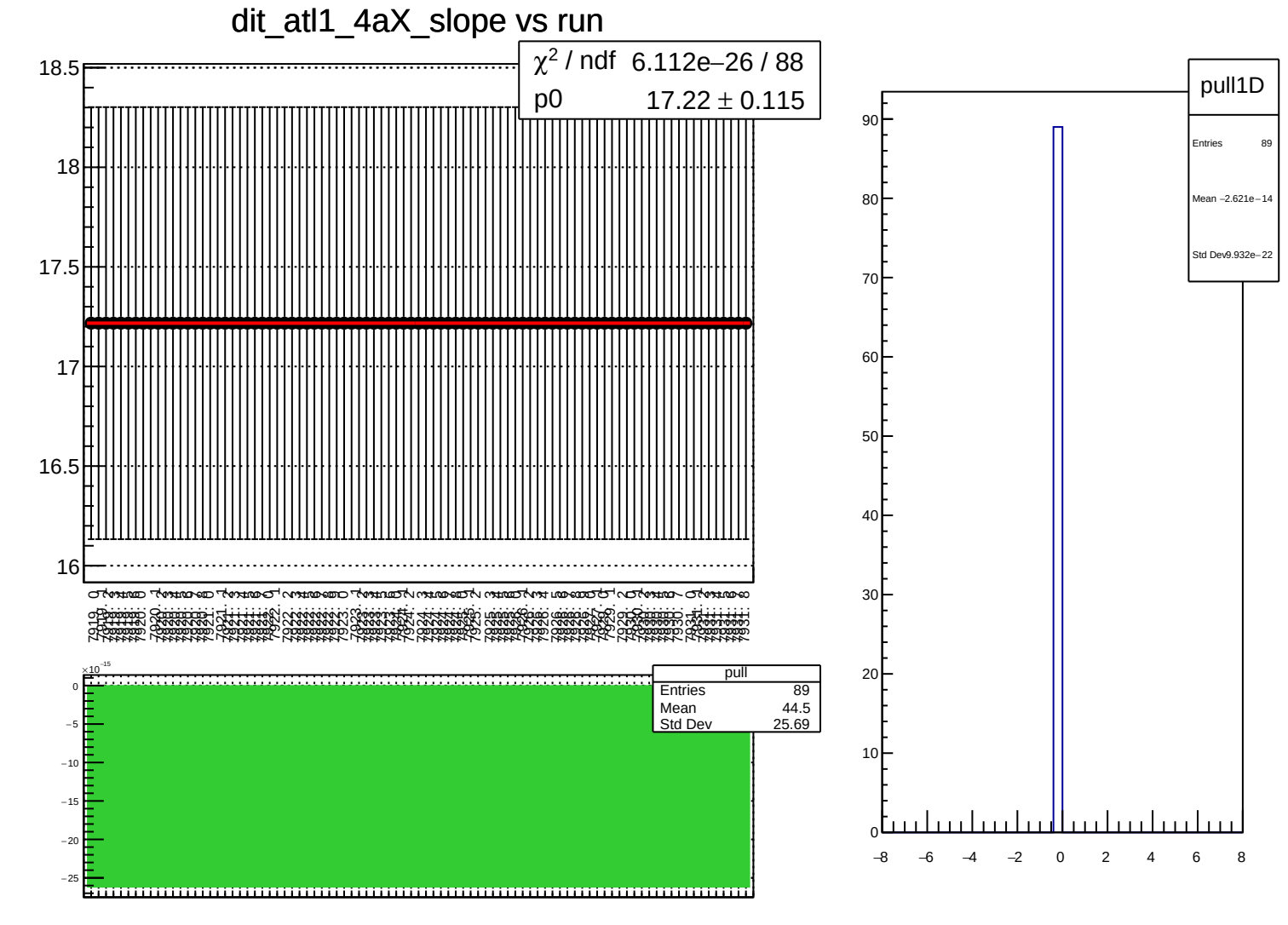

dit_usr_4eX_slope vs run
χ² / ndf 4.016e−24 / 88
p0 175.6 ± 0.07091
176.4
176.2
176
175.8
175.6
175.4
175.2
175
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 89
Mean −2.124e−13
Std Dev1.149e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

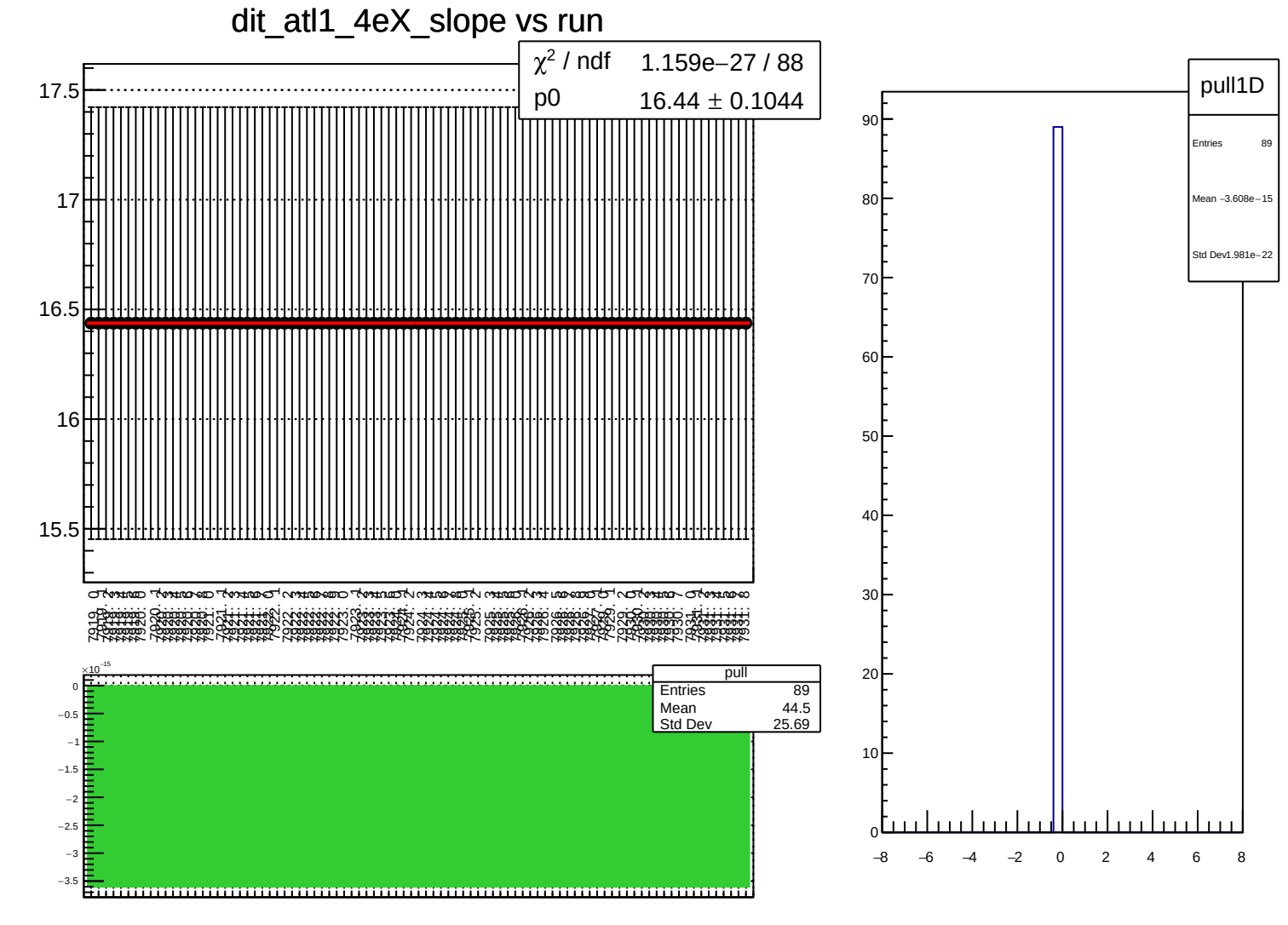

dit_usr_11X12X_slope vs run
χ² / ndf 9.013e−26 / 88
p0 −41.56 ± 0.02367
−41.3
−41.4
−41.5
−41.6
−41.7
−41.8
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 89
Mean −3.182e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

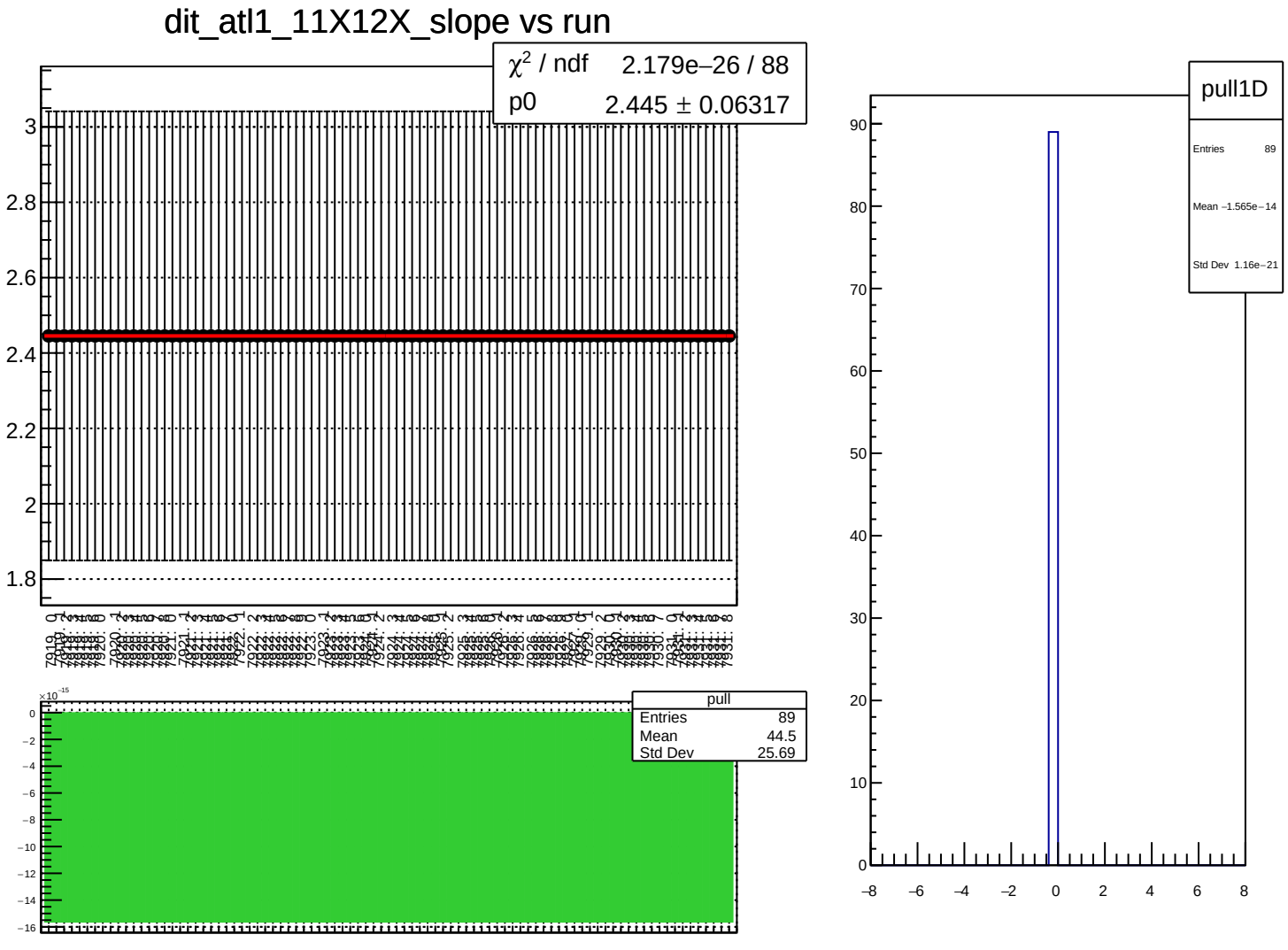

dit_usr_4aY_slope vs run
χ² / ndf 8.317e−29 / 88
p0 −0.4487 ± 0.08522
pull
Entries 89
Mean 44.5
Std Dev 25.69

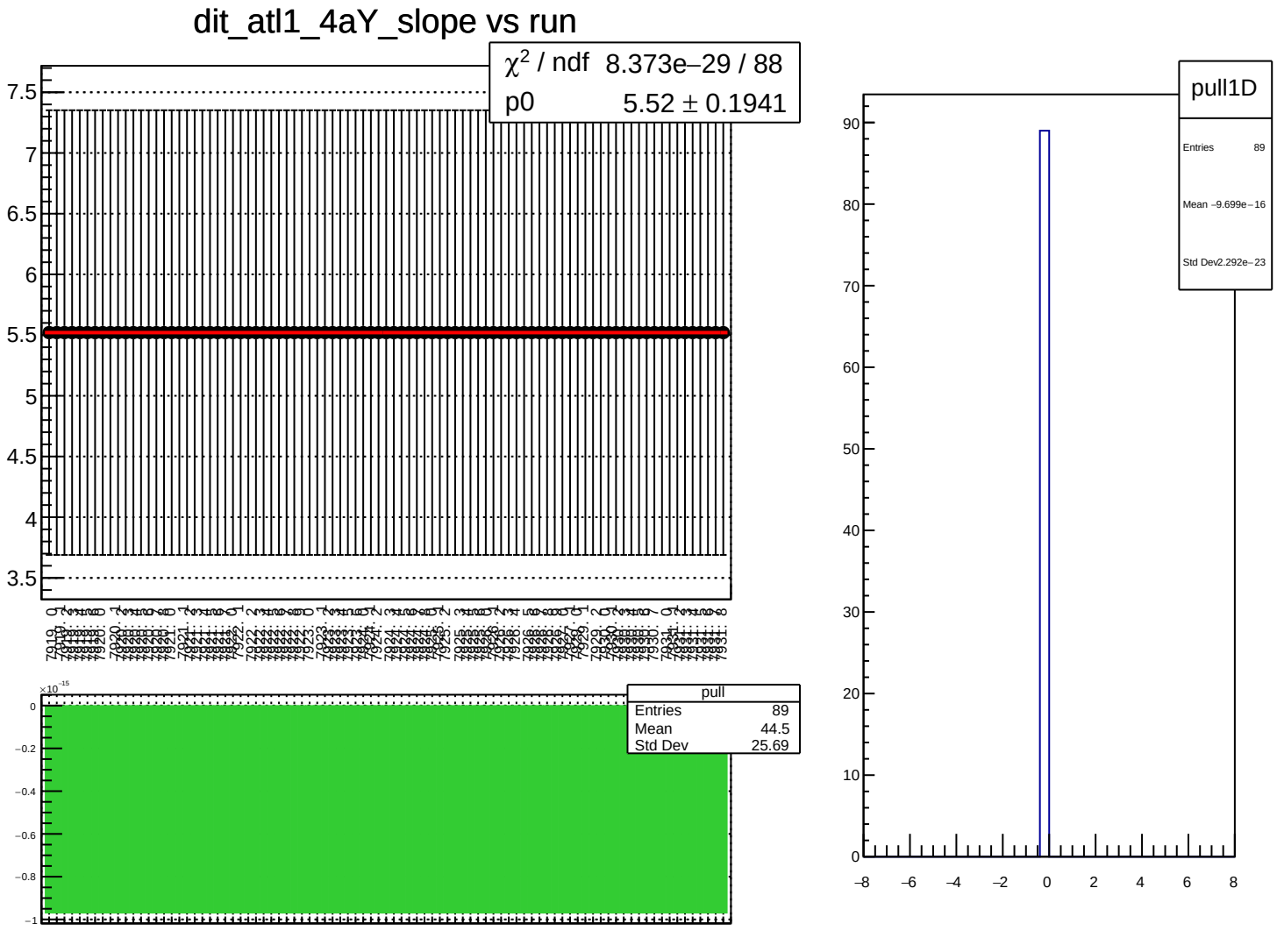

pull1D
Entries 89
Mean −9.667e−16
Std Dev1.323e−23

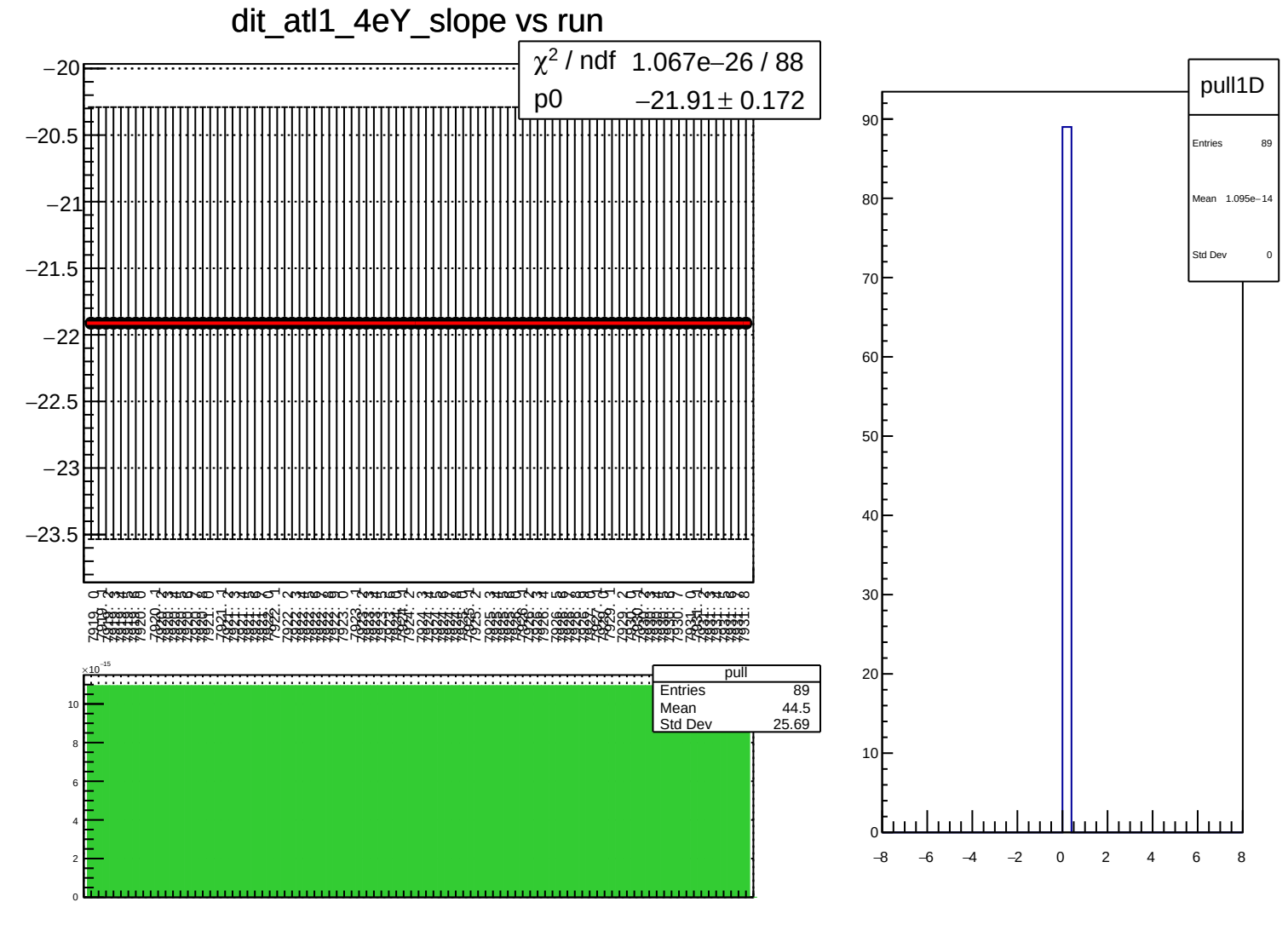

dit_usr_4eY_slope vs run
χ² / ndf 1.053e−26 / 88
p0 17.65 ± 0.06925
18.4
18.2
18
17.8
17.6
17.4
17.2
17
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 89
Mean 1.088e−14
Std Dev 8.201e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

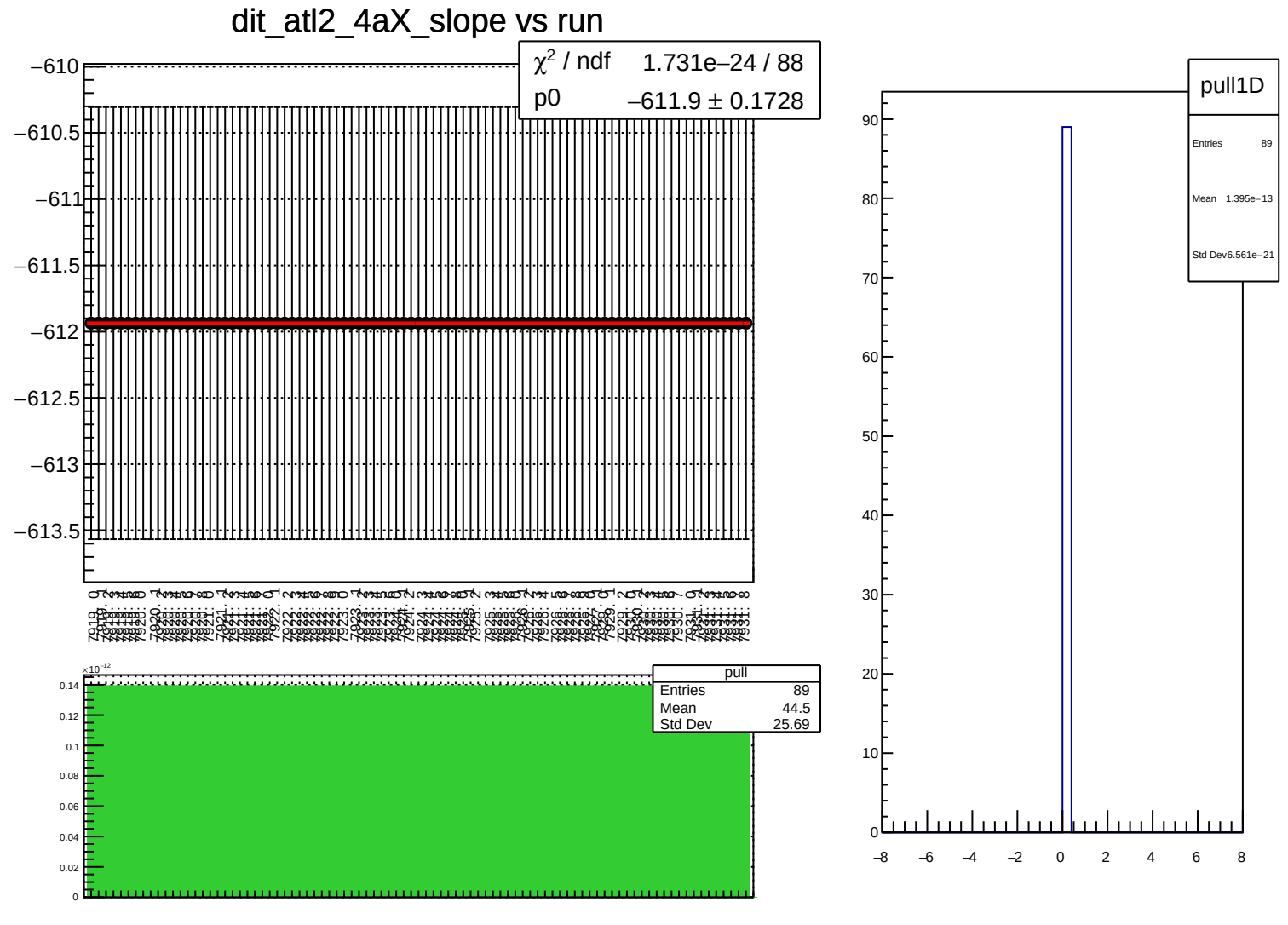

dit_atl1_4aX_slope vs run
χ² / ndf 6.112e−26 / 88
p0 17.22 ± 0.115
18.5
18
17.5
17
16.5
16
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 89
Mean −2.621e−14
Std Dev 9.932e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

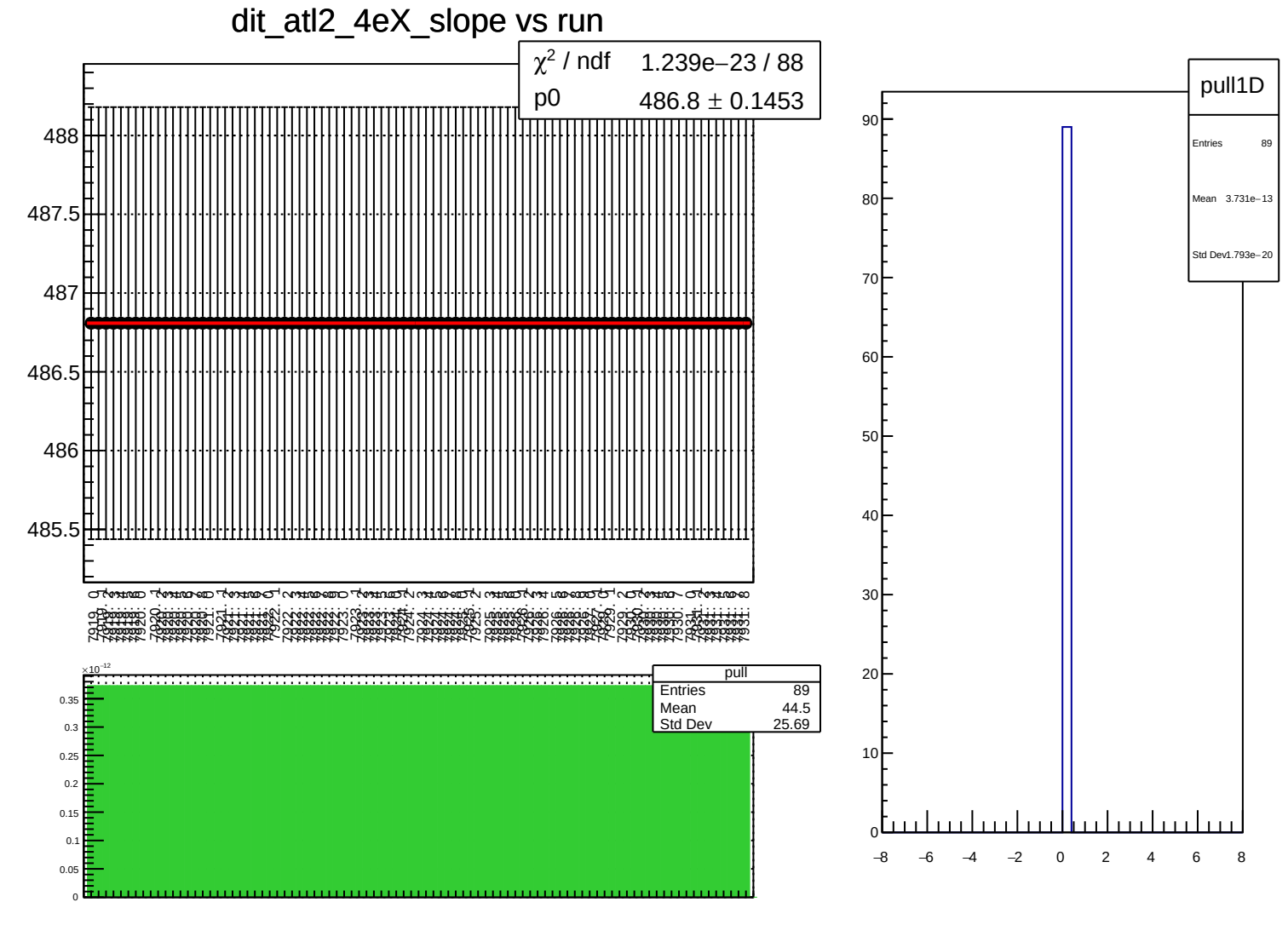

dit_atl1_4eX_slope vs run
χ² / ndf 1.159e−27 / 88
p0 16.44 ± 0.1044
17.5
17
16.5
16
15.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 89
Mean −3.608e−15
Std Dev1.981e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

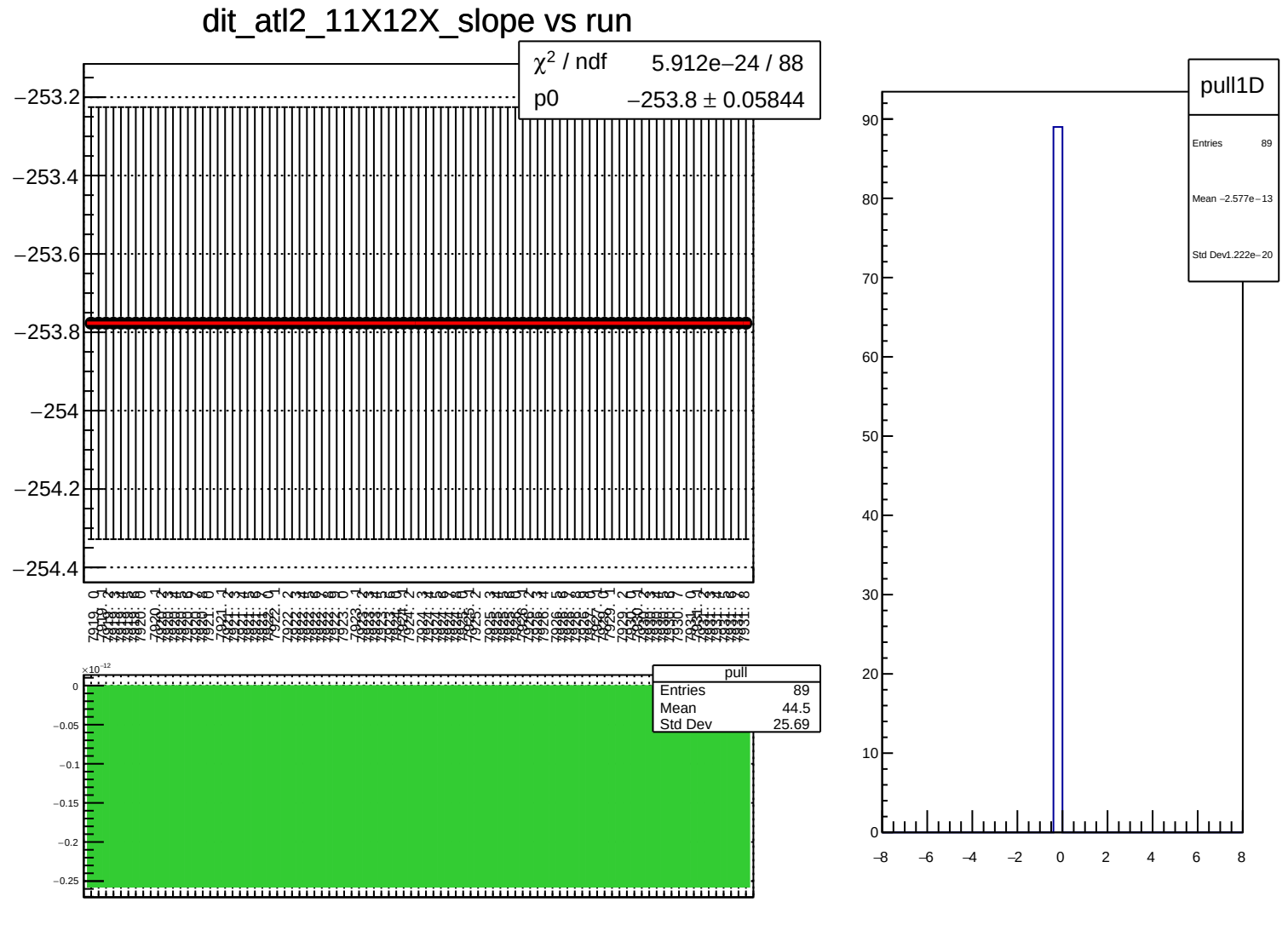

dit_atl1_11X12X_slope vs run
χ² / ndf 2.179e−26 / 88
p0 2.445 ± 0.06317
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.565e−14
Std Dev 1.16e−21

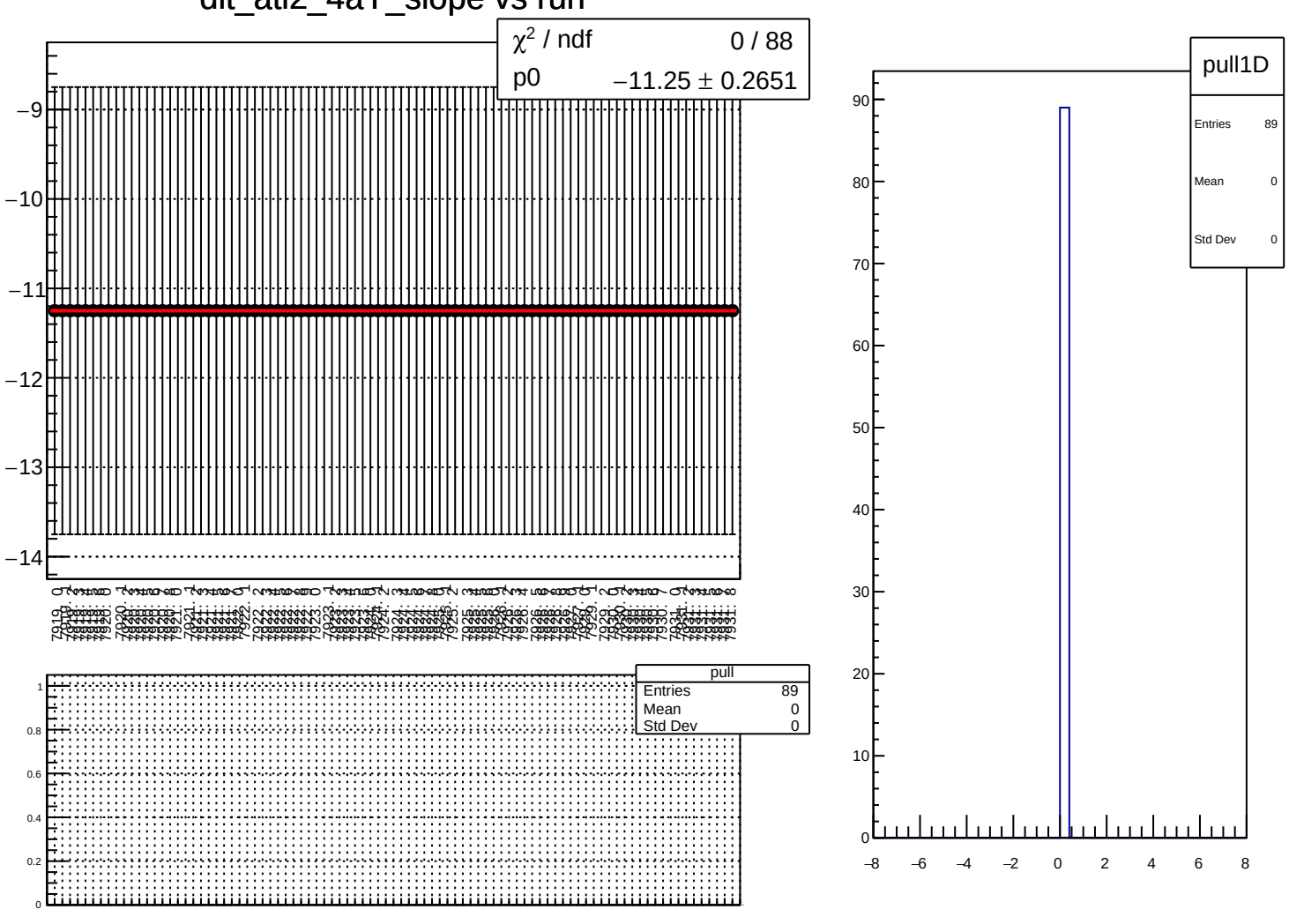

dit_atl1_4aY_slope vs run
χ² / ndf 8.373e−29 / 88
p0 5.52 ± 0.1941
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −9.699e−16
Std Dev 2.292e−23

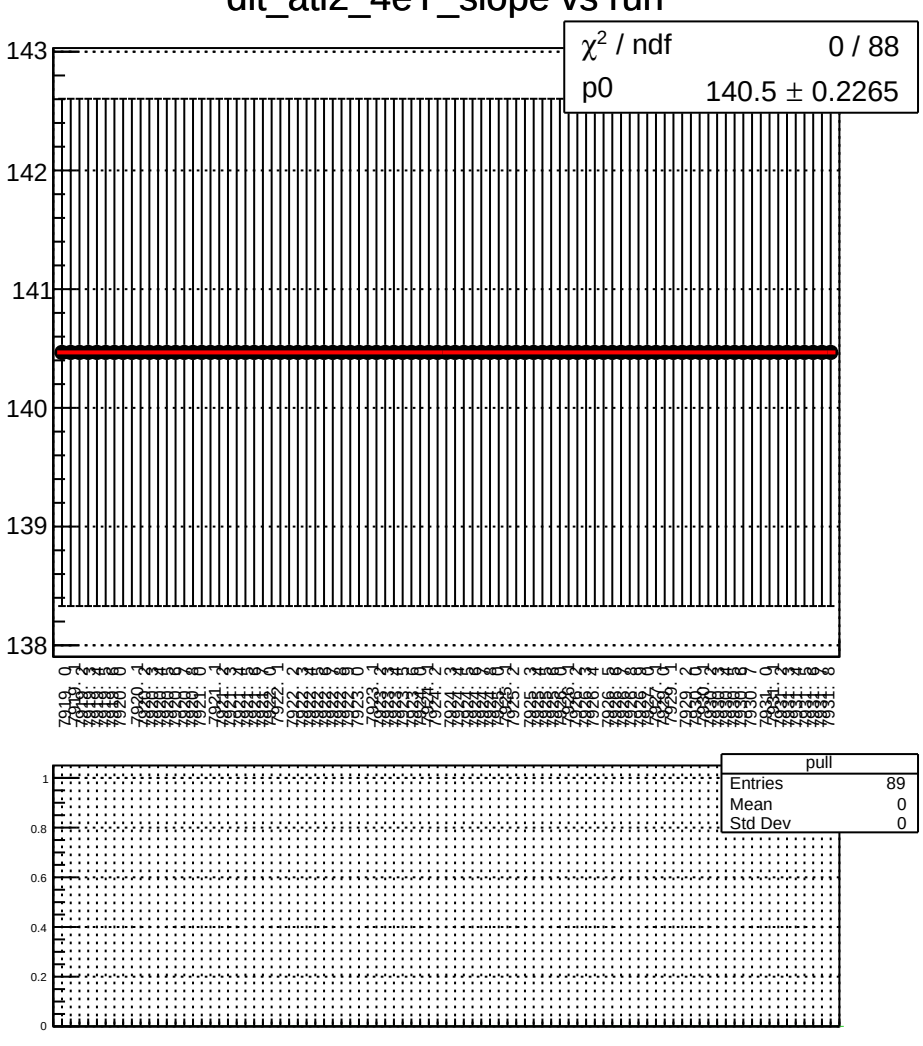

dit_atl1_4eY_slope vs run
χ² / ndf 1.067e−26 / 88
p0 −21.91± 0.172
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.095e−14
Std Dev 0

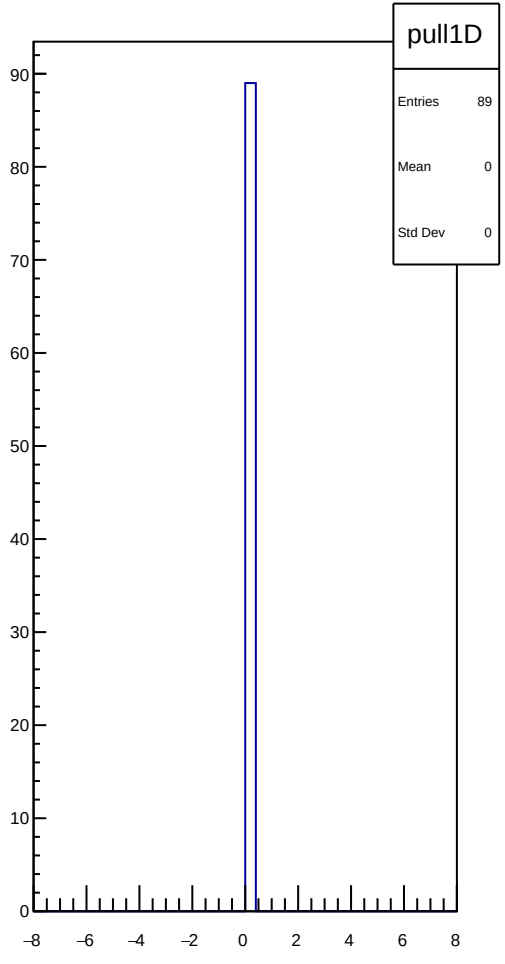

dit_atl2_4aX_slope vs run
χ² / ndf 1.731e−24 / 88
p0 −611.9 ± 0.1728
−610
−610.5
−611
−611.5
−612
−612.5
−613
−613.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.395e−13
Std Dev6.561e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

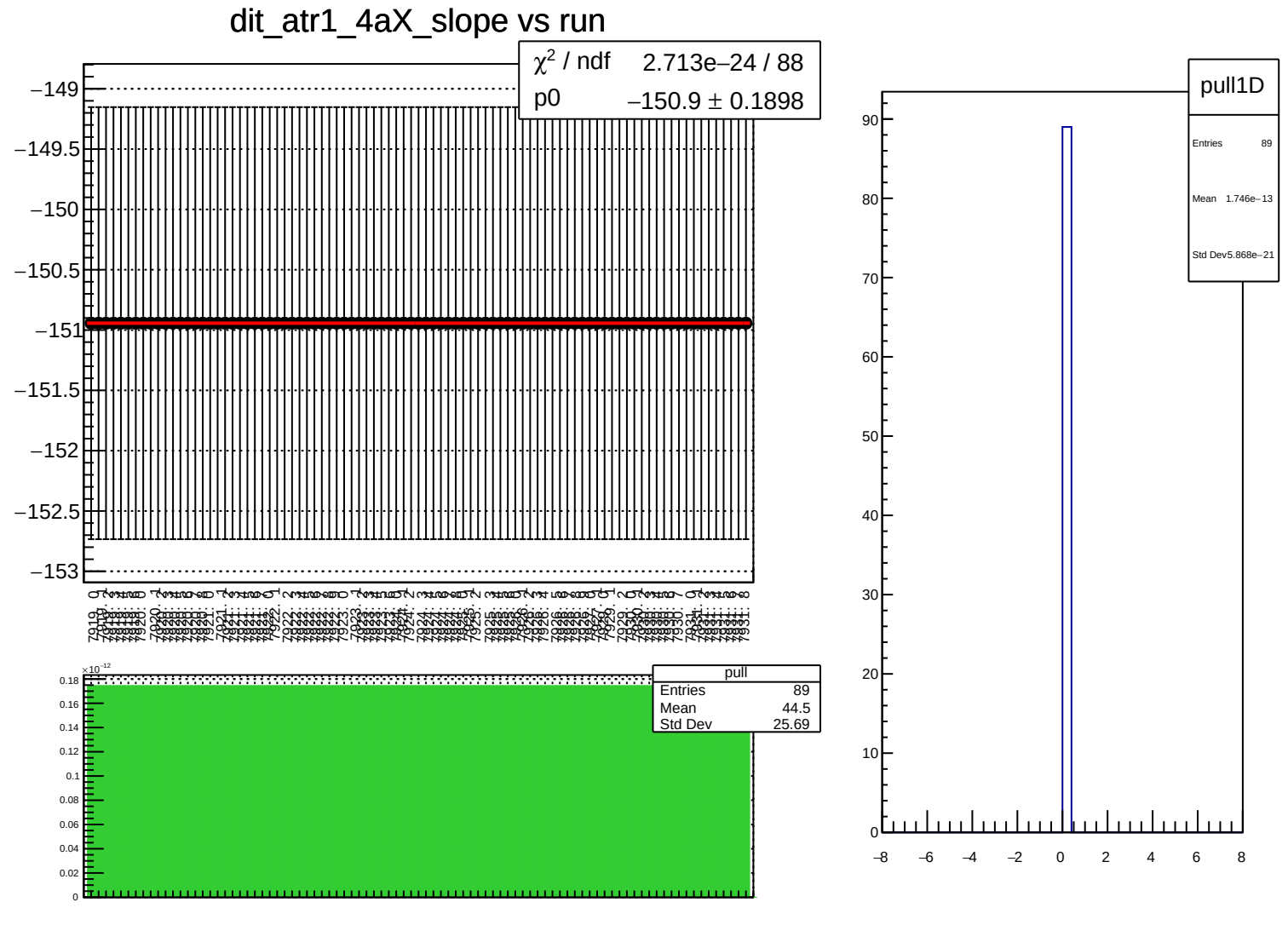

dit_atl2_4eX_slope vs run
χ² / ndf 1.239e−23 / 88
p0 486.8 ± 0.1453
488
487.5
487
486.5
486
485.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 3.731e−13
Std Dev1.793e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

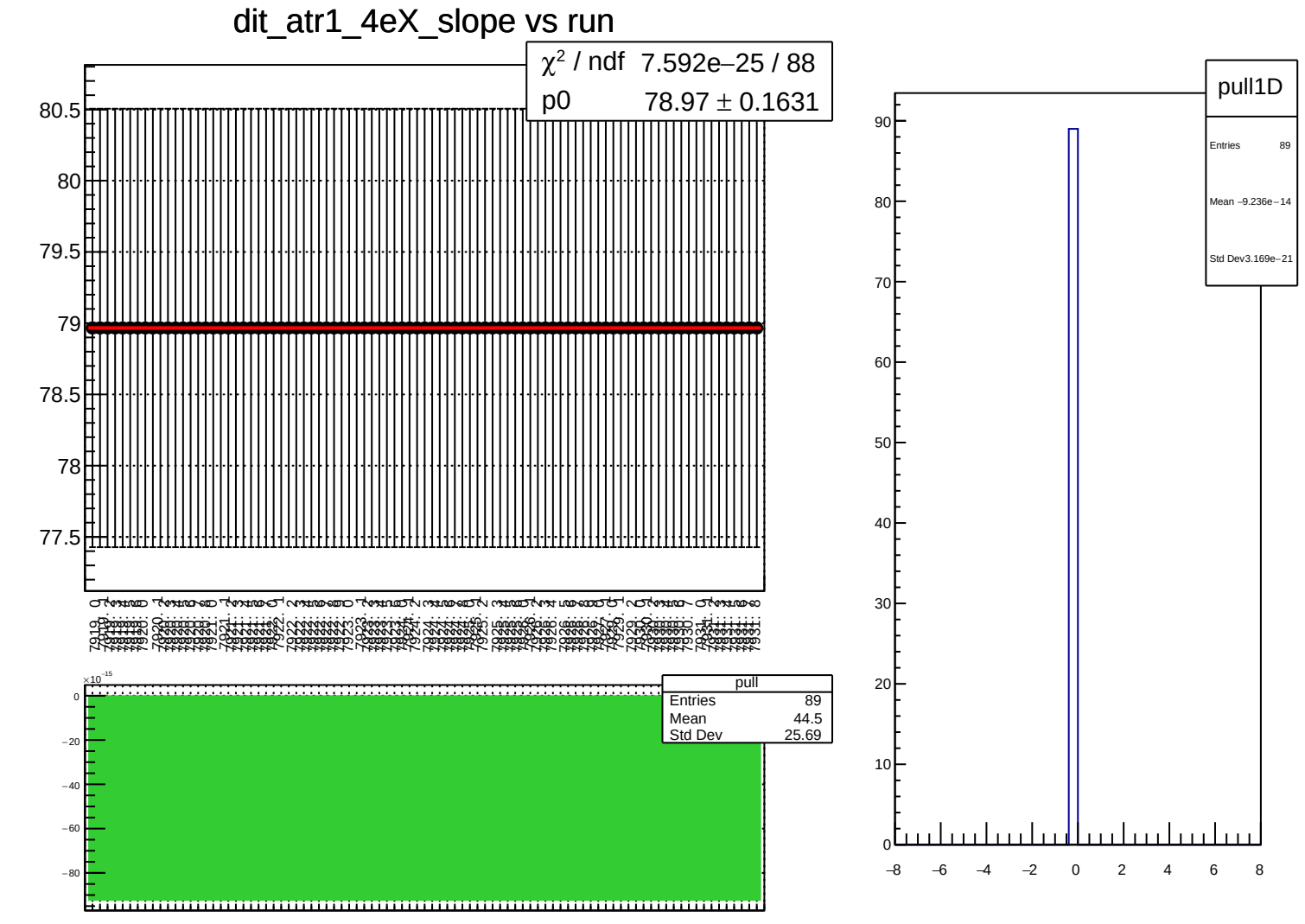

dit_atl2_11X12X_slope vs run
χ² / ndf 5.912e−24 / 88
p0 −253.8 ± 0.05844
−253.2
−253.4
−253.6
−253.8
−254
−254.2
−254.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 89
Mean −2.577e−13
Std Dev1.222e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

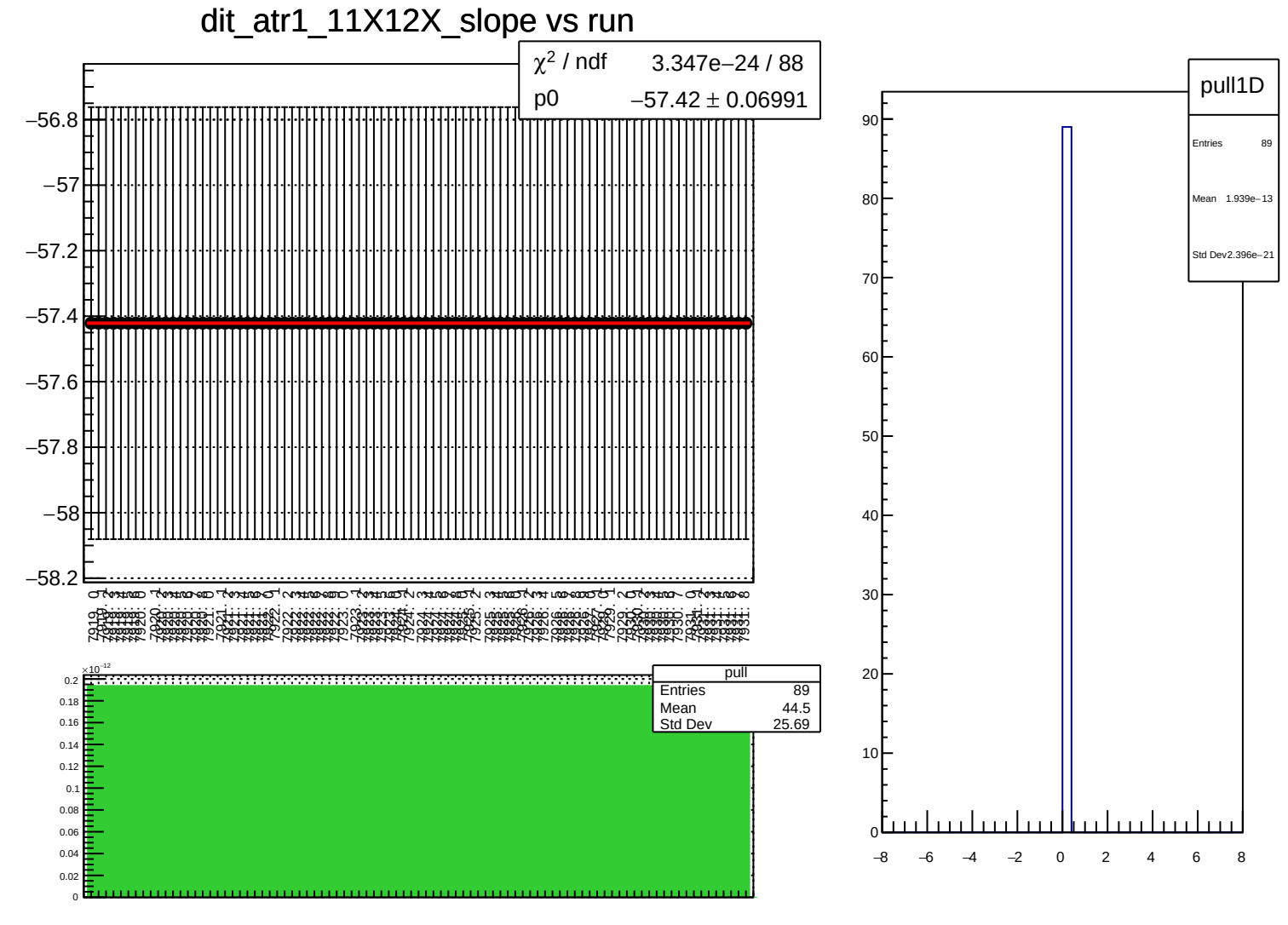

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 88
p0 −11.25 ± 0.2651
pull
Entries 89
Mean 0
Std Dev 0
pull1D
Entries 89
Mean 0
Std Dev 0

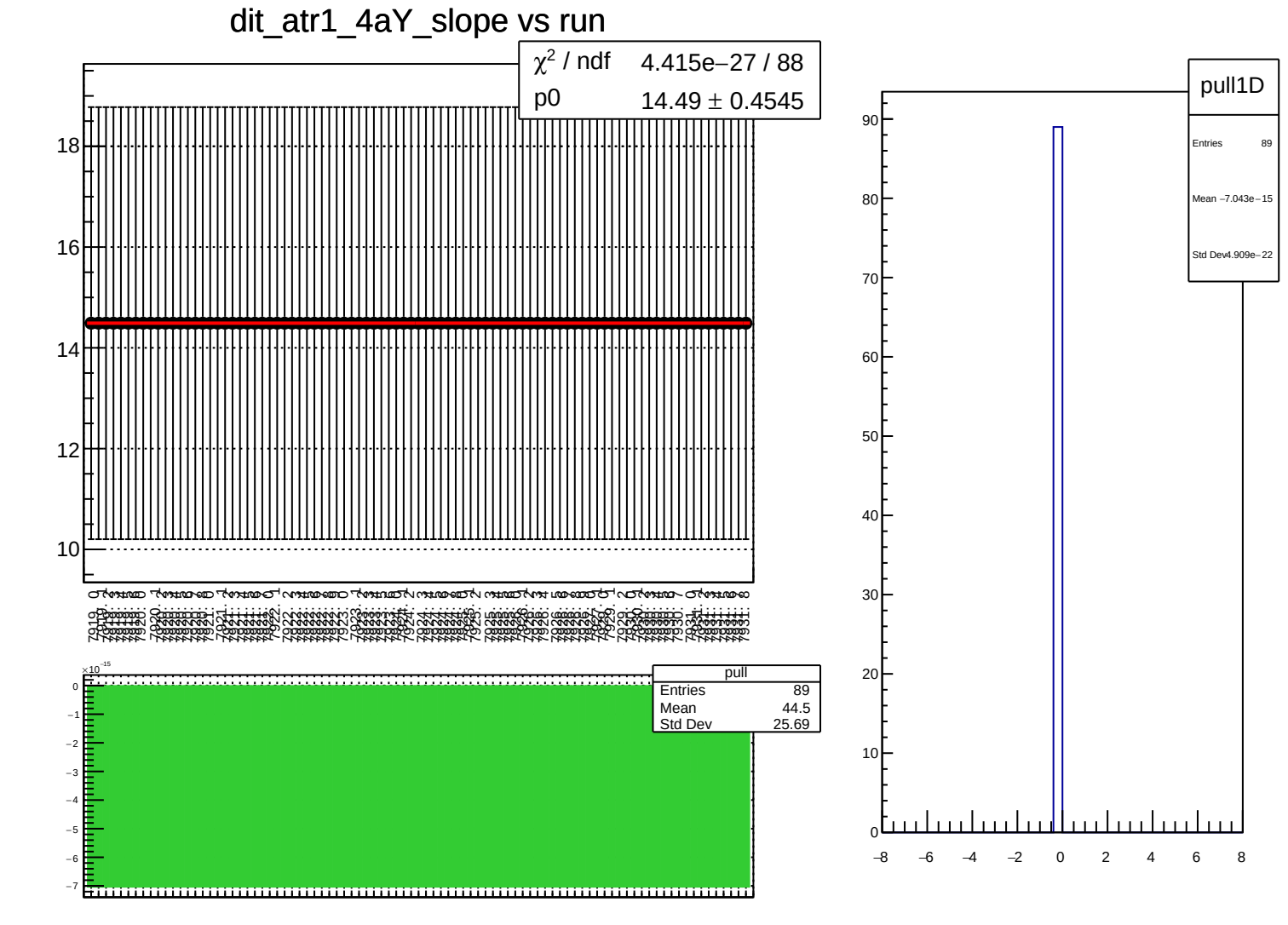

dit_atl2_4eY_slope vs run
χ² / ndf 0 / 88
p0 140.5 ± 0.2265
143
142
141
140
139
138
pull
Entries 89
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

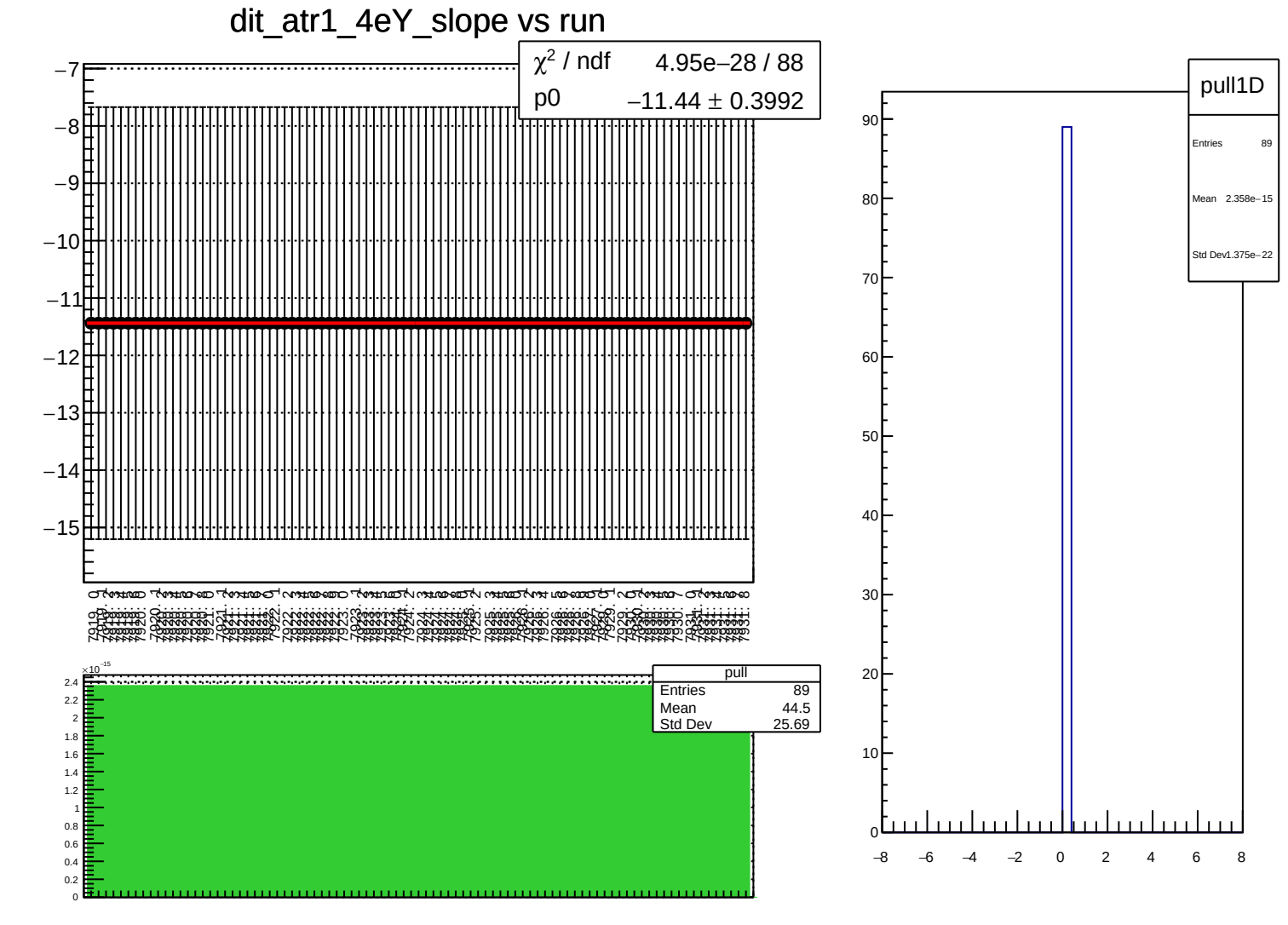

pull1D
Entries 89
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

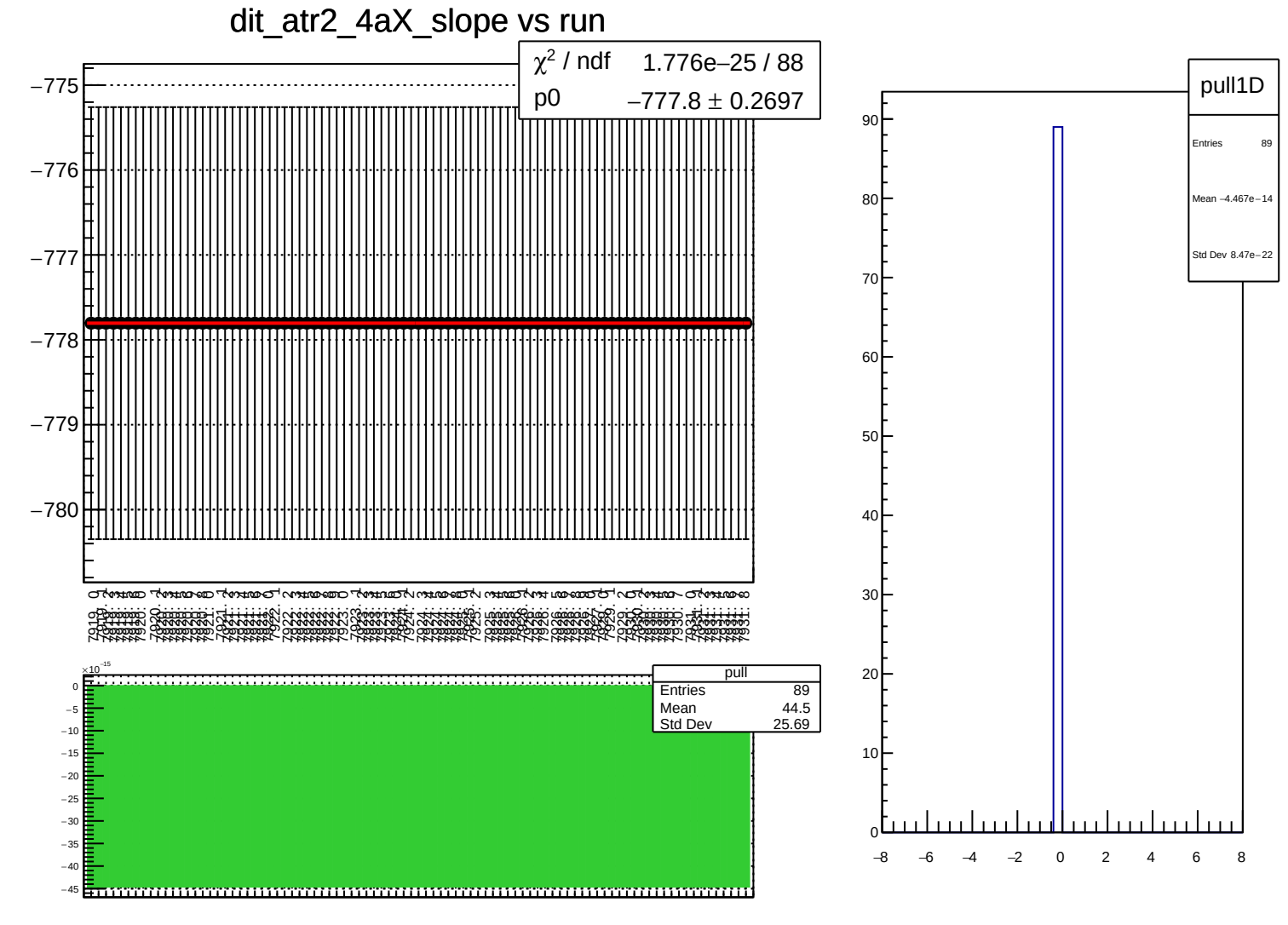

dit_atr1_4aX_slope vs run
χ² / ndf 2.713e−24 / 88
p0 −150.9 ± 0.1898
−149
−149.5
−150
−150.5
−151
−151.5
−152
−152.5
−153
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.746e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

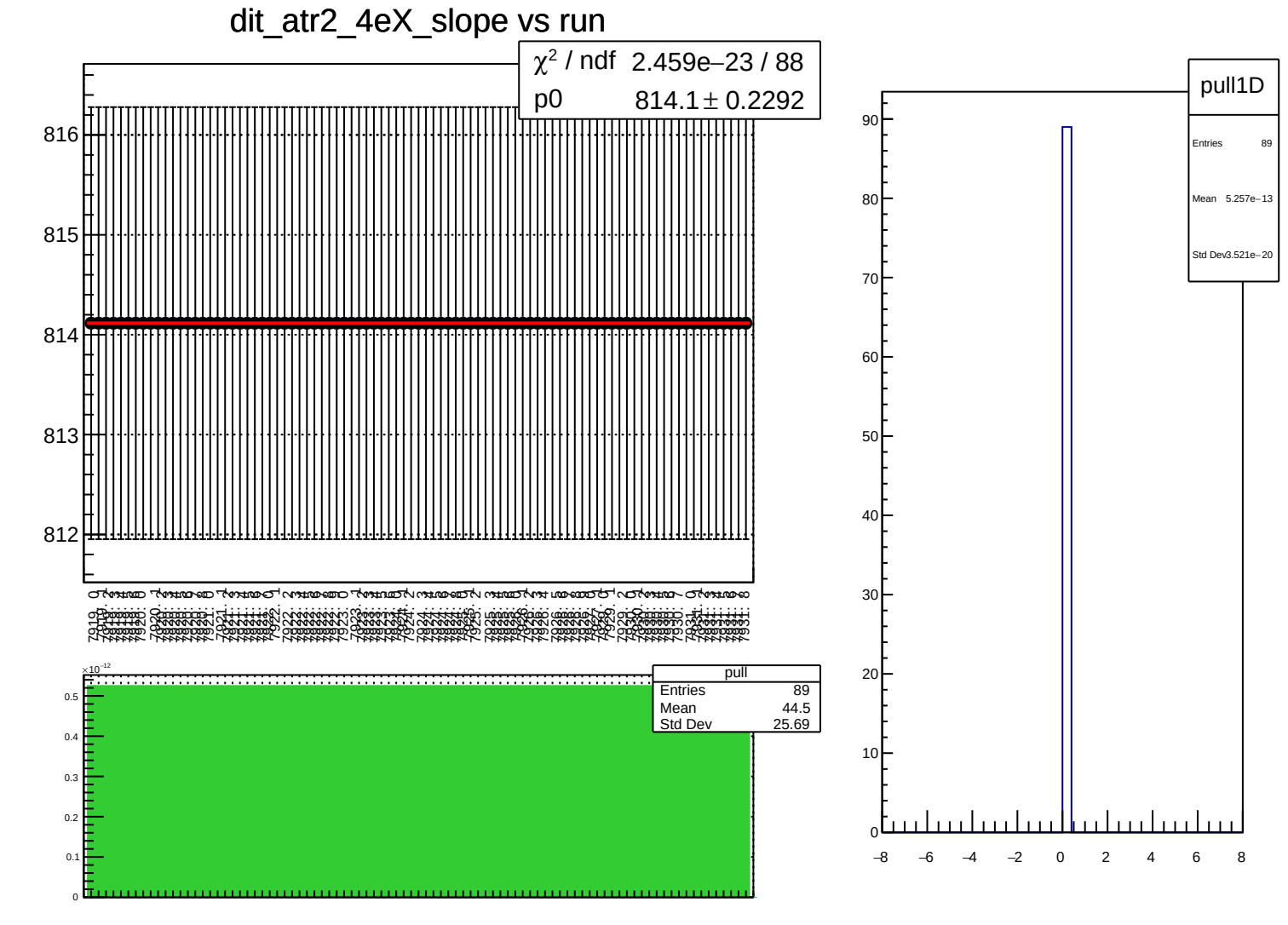

dit_atr1_4eX_slope vs run
χ² / ndf 7.592e−25 / 88
p0 78.97 ± 0.1631
80.5
80
79.5
79
78.5
78
77.5
×10⁻¹⁵
0
−20
−40
−60
−80
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −9.236e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

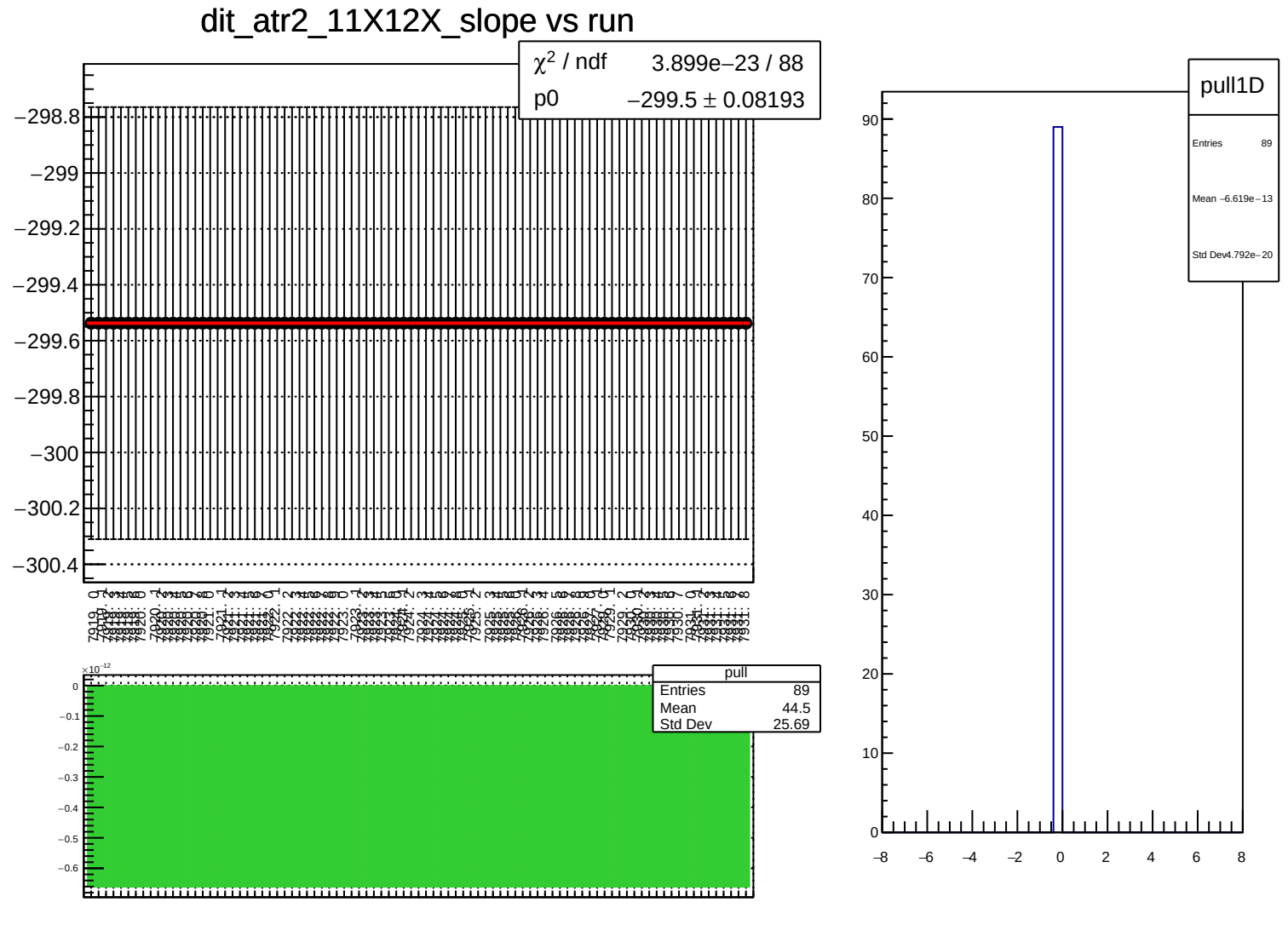

dit_atr1_11X12X_slope vs run
χ² / ndf 3.347e−24 / 88
p0 −57.42 ± 0.06991
−56.8
−57
−57.2
−57.4
−57.6
−57.8
−58
−58.2
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.939e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4aY_slope vs run
χ² / ndf 4.415e−27 / 88
p0 14.49 ± 0.4545
18
16
14
12
10
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 89
Mean −7.043e−15
Std Dev4.909e−22
90
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 4.95e−28 / 88
p0 −11.44 ± 0.3992
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.358e−15
Std Dev1.375e−22


dit_atr2_4aX_slope vs run
χ^2 / ndf 1.776e−25 / 88
p0 −777.8 ± 0.2697
−775
−776
−777
−778
−779
−780
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 89
Mean −4.467e−14
Std Dev 8.47e−22
90
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 2.459e−23 / 88
p0 814.1 ± 0.2292
816
815
814
813
812
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 89
Mean 5.257e−13
Std Dev 3.521e−20
90
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 3.899e−23 / 88
p0 −299.5 ± 0.08193
−298.8
−299
−299.2
−299.4
−299.6
−299.8
−300
−300.2
−300.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 89
Mean −6.619e−13
Std Dev4.792e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
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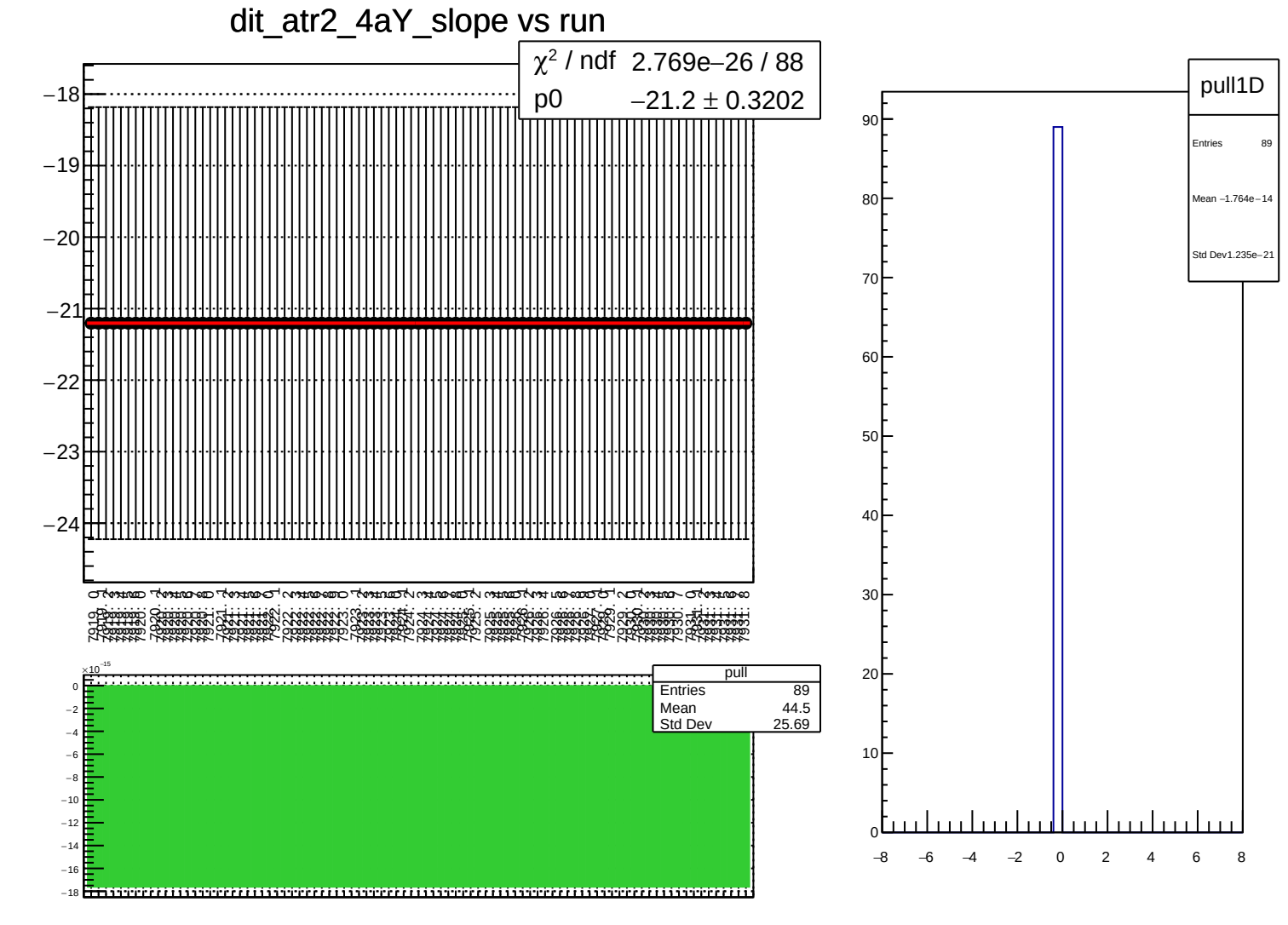
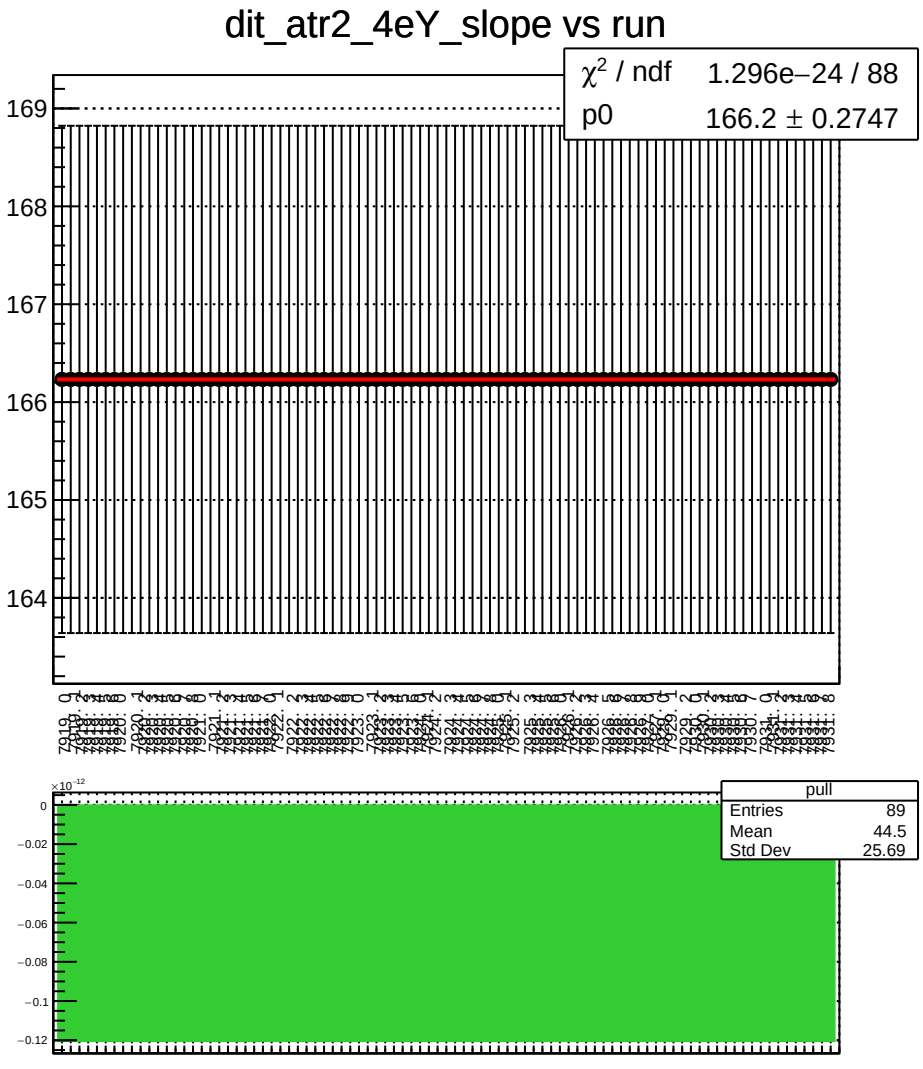
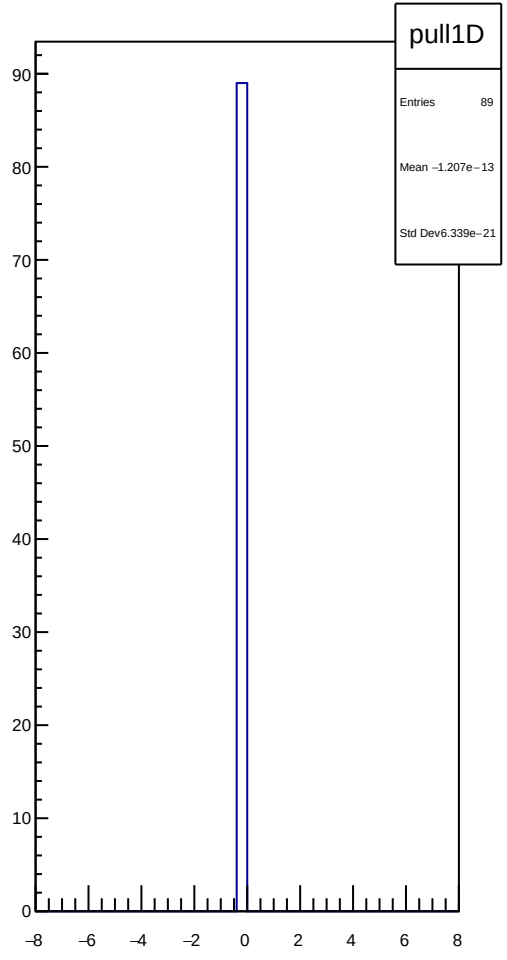
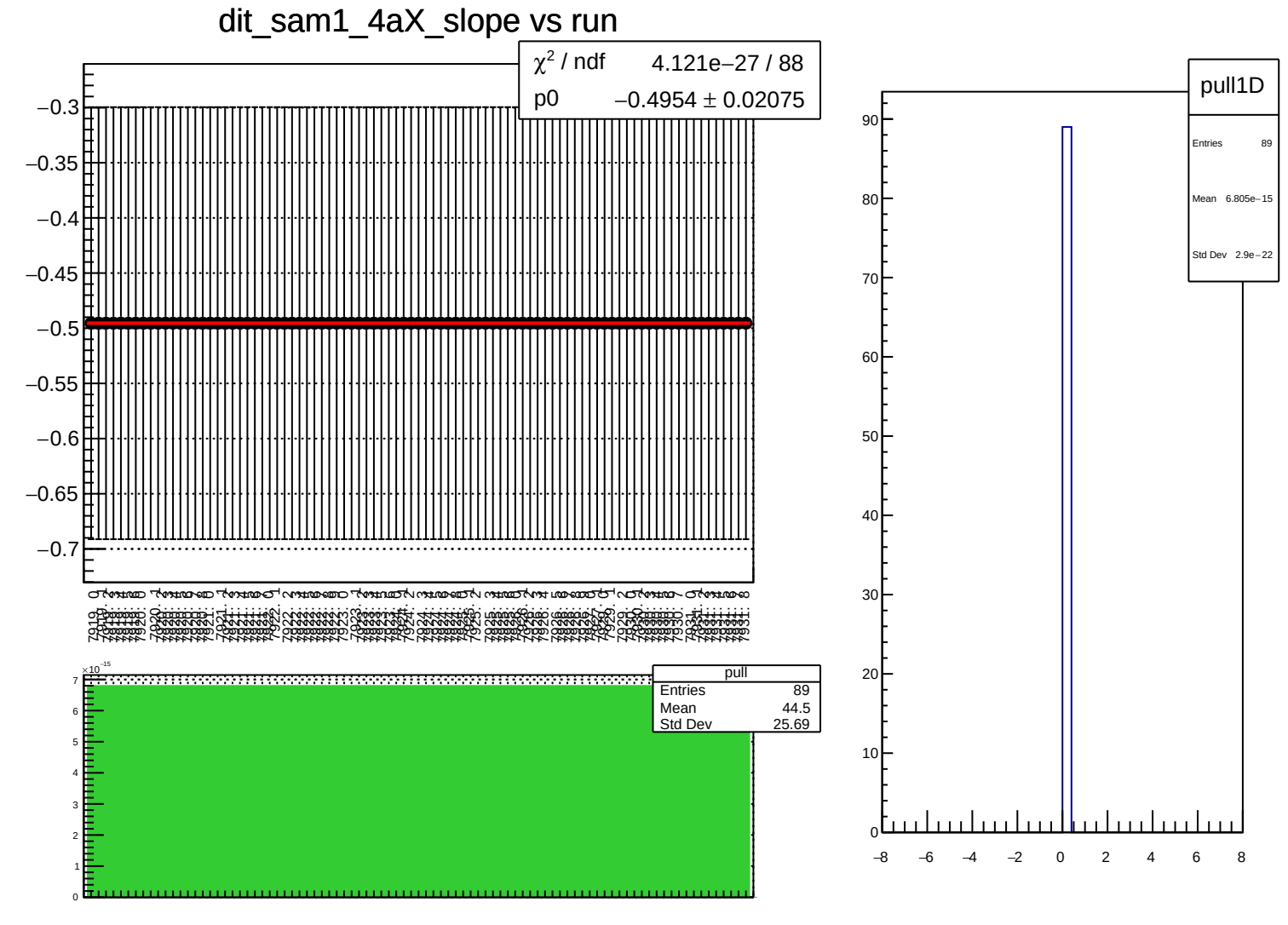
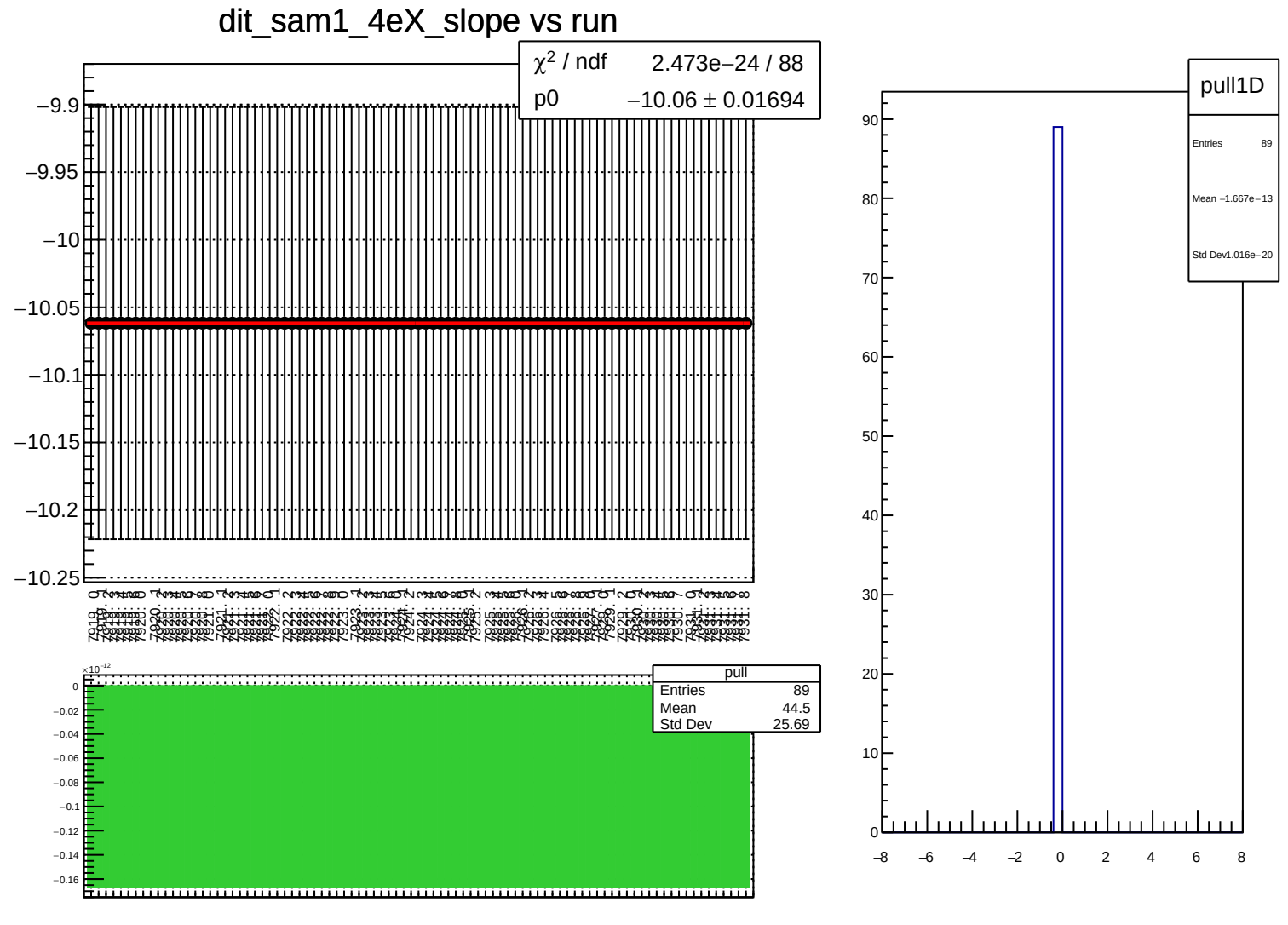
0
2
4
6
8

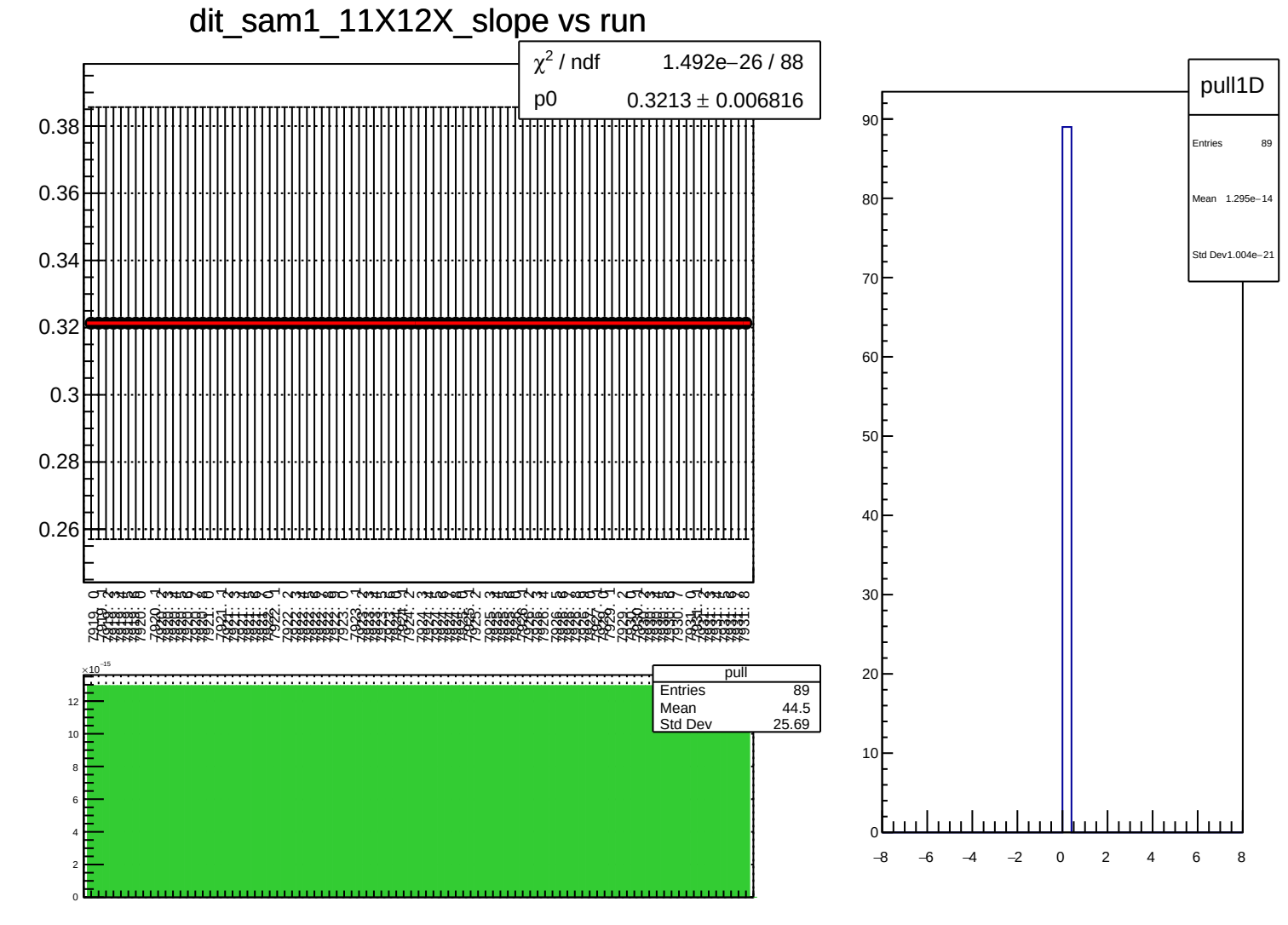

dit_atr2_4aY_slope vs run
χ² / ndf 2.769e−26 / 88
p0 −21.2 ± 0.3202
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −1.764e−14
Std Dev1.235e−21

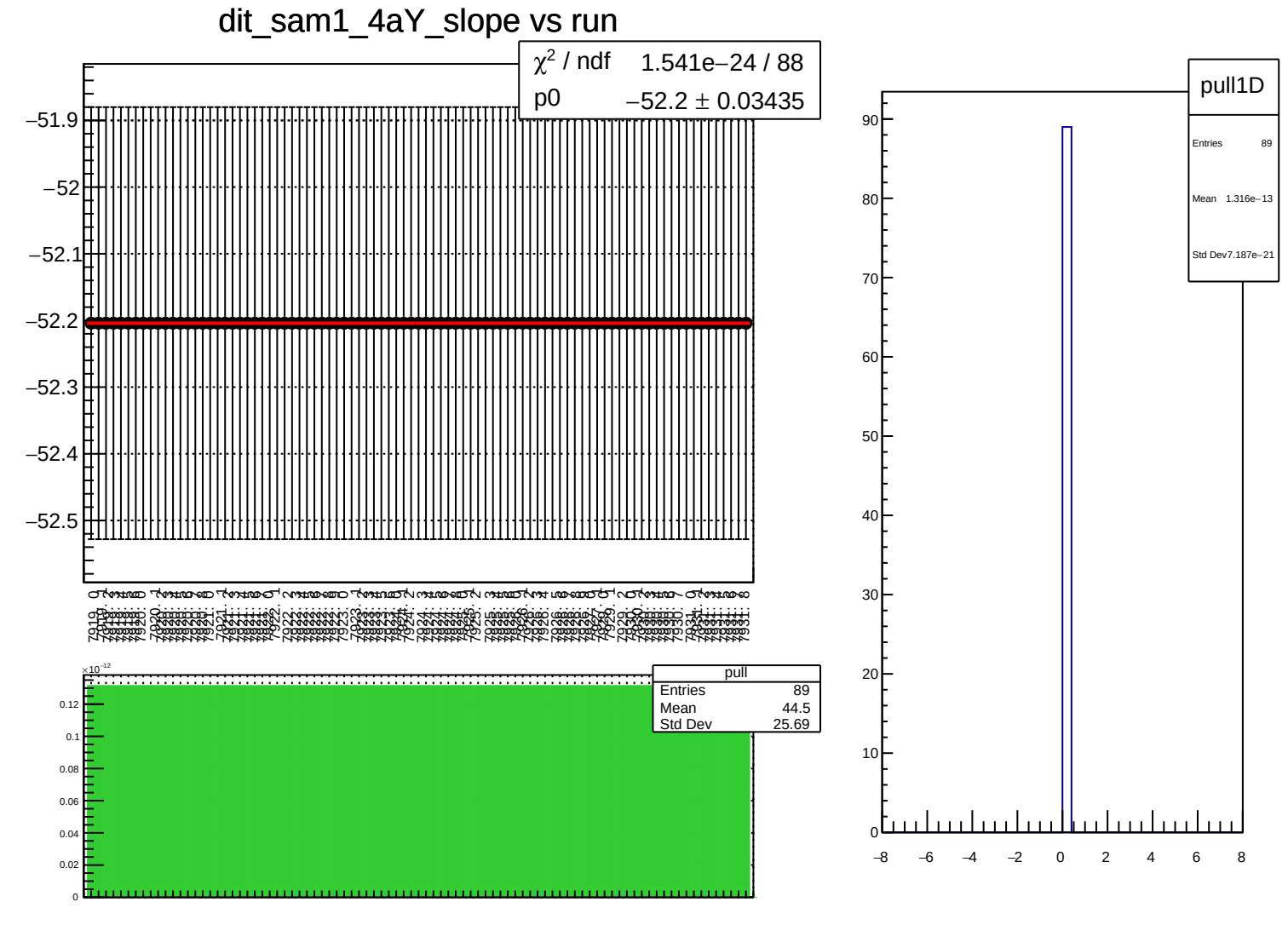

dit_atr2_4eY_slope vs run
χ² / ndf 1.296e−24 / 88
p0 166.2 ± 0.2747
169
168
167
166
165
164
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

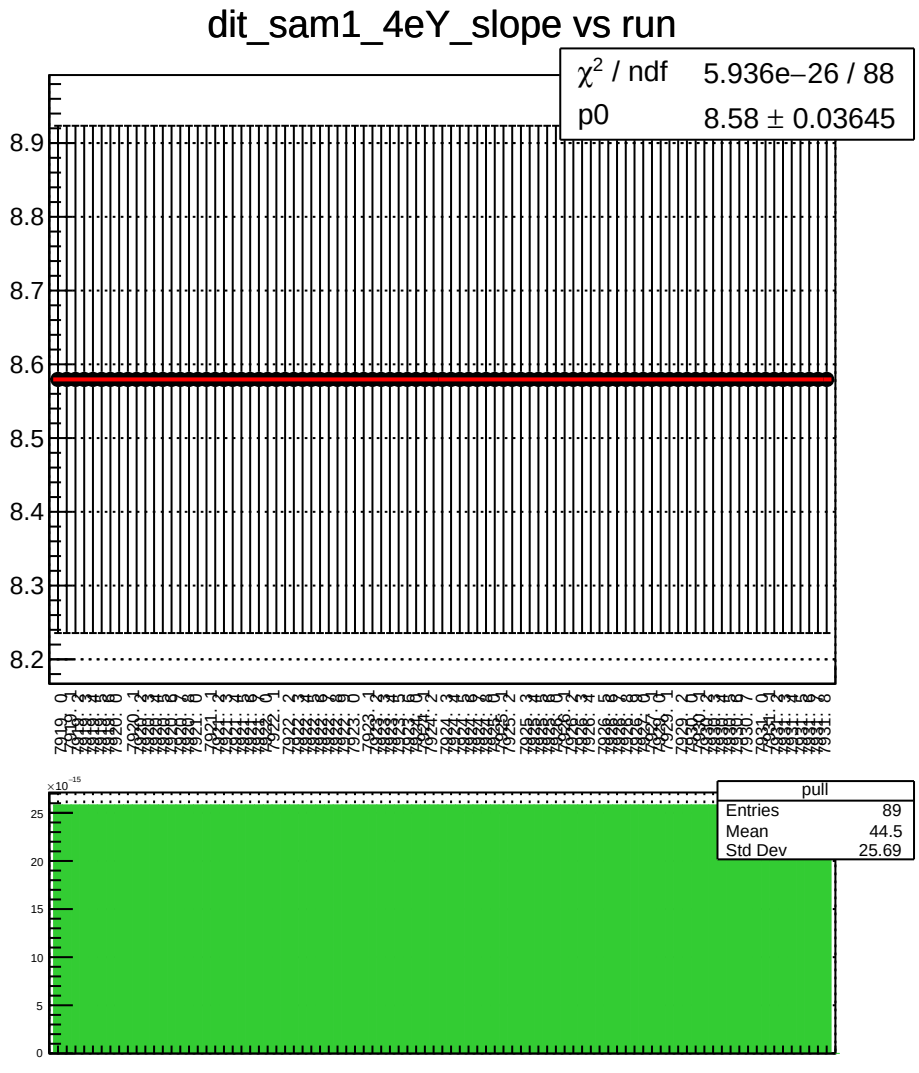

pull1D
Entries 89
Mean −1.207e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

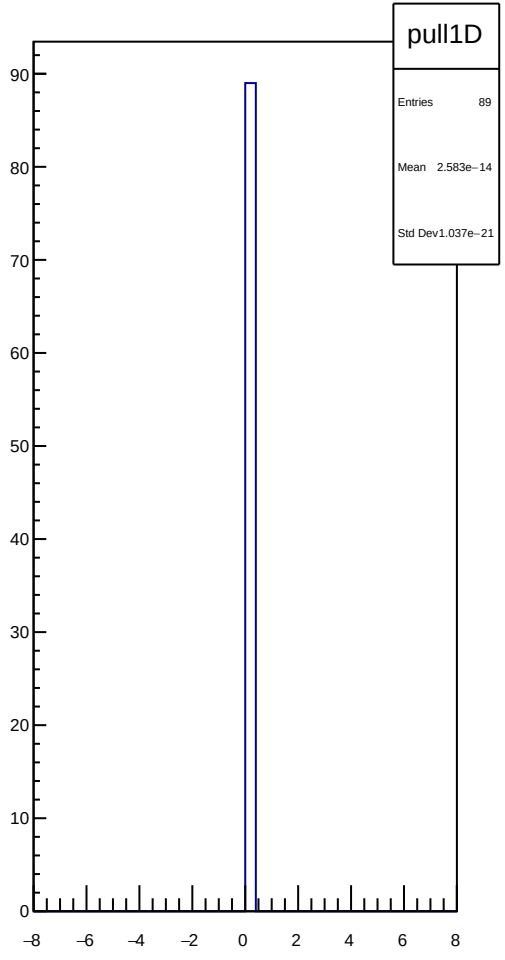

dit_sam1_4aX_slope vs run
χ² / ndf 4.121e−27 / 88
p0 −0.4954 ± 0.02075
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 6.805e−15
Std Dev 2.9e−22

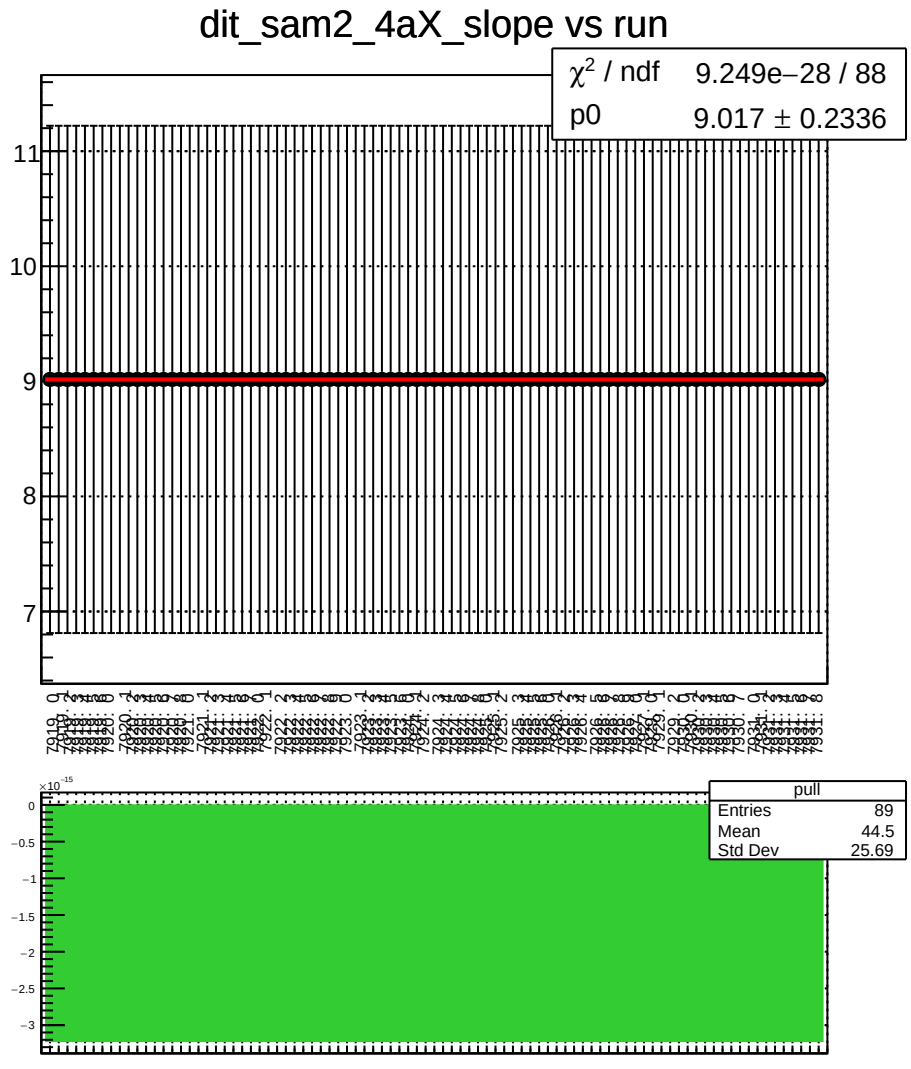

dit_sam1_4eX_slope vs run
χ² / ndf 2.473e−24 / 88
p0 −10.06 ± 0.01694
−9.9
−9.95
−10
−10.05
−10.1
−10.15
−10.2
−10.25
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 89
Mean −1.667e−13
Std Dev1.016e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

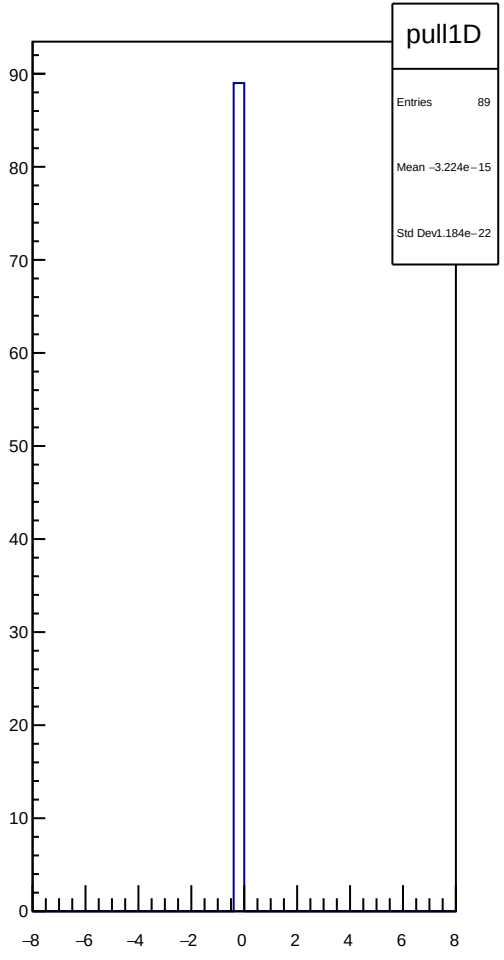

dit_sam1_11X12X_slope vs run
χ² / ndf 1.492e−26 / 88
p0 0.3213 ± 0.006816
0.38
0.36
0.34
0.32
0.3
0.28
0.26
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 89
Mean 1.295e−14
Std Dev1.004e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

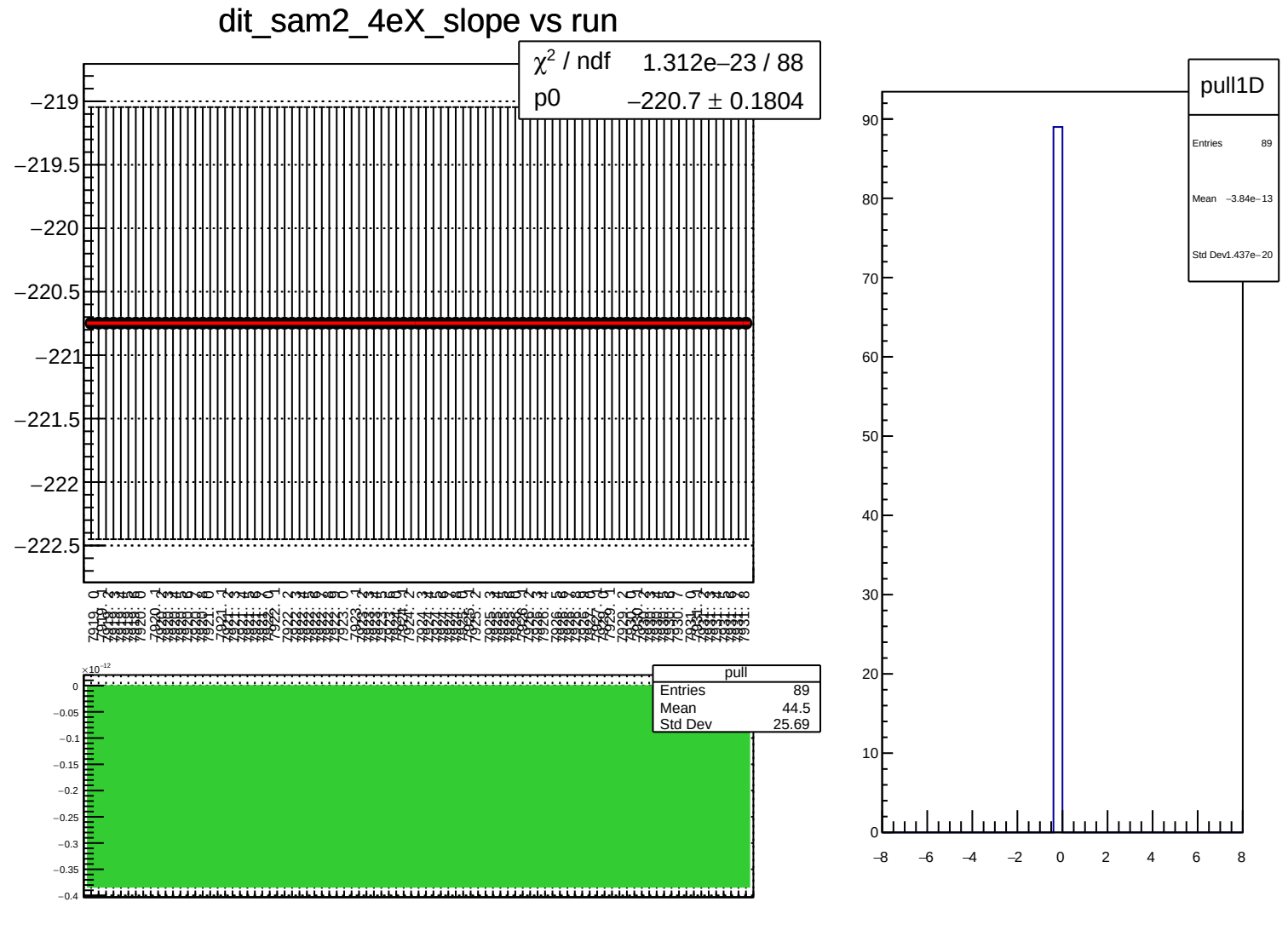

dit_sam1_4aY_slope vs run
χ² / ndf 1.541e−24 / 88
p0 −52.2 ± 0.03435
−51.9
−52
−52.1
−52.2
−52.3
−52.4
−52.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.316e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

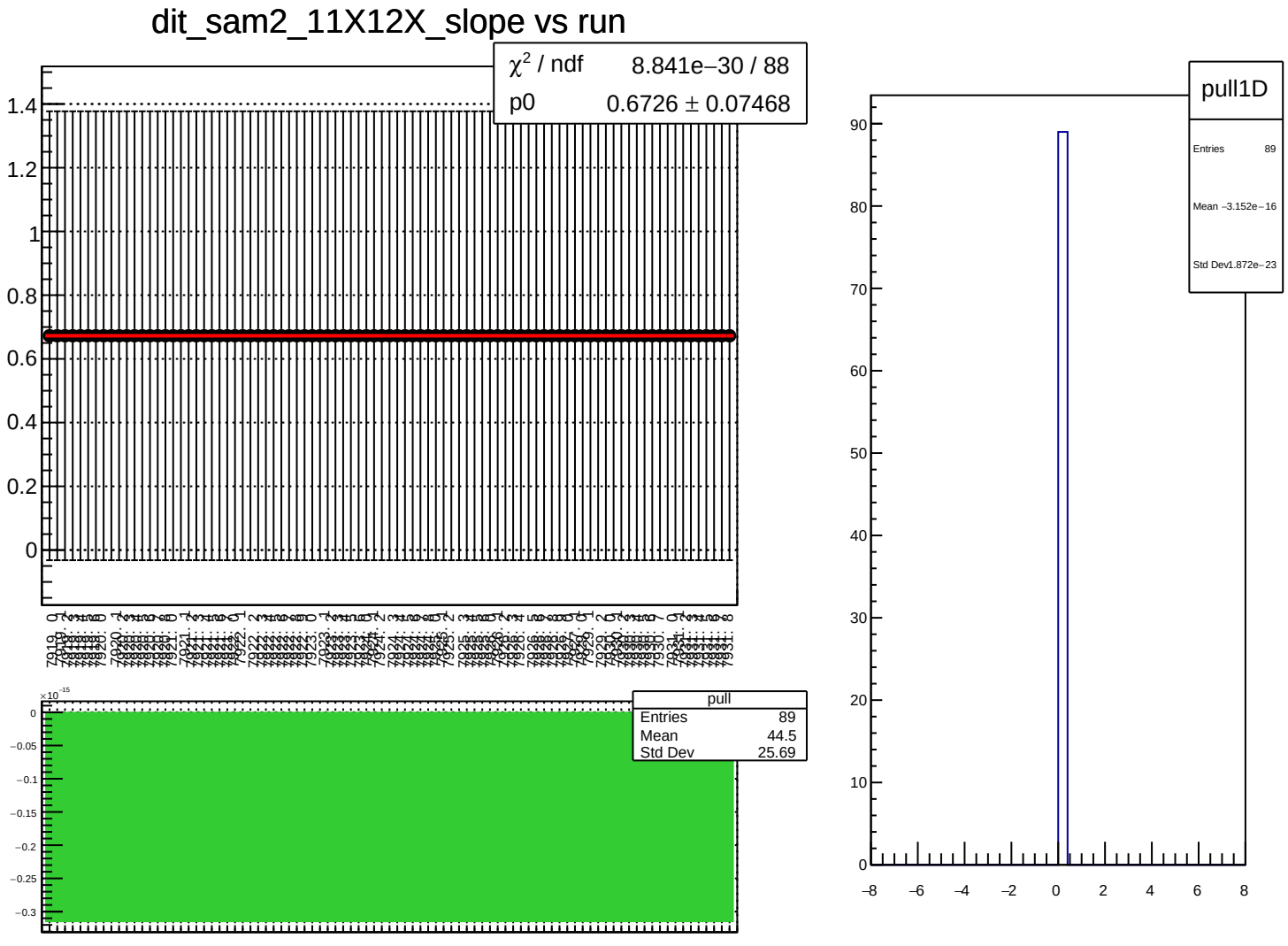

dit_sam1_4eY_slope vs run
χ² / ndf 5.936e−26 / 88
p0 8.58 ± 0.03645
8.9
8.8
8.7
8.6
8.5
8.4
8.3
8.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
25
20
15
10
5
0

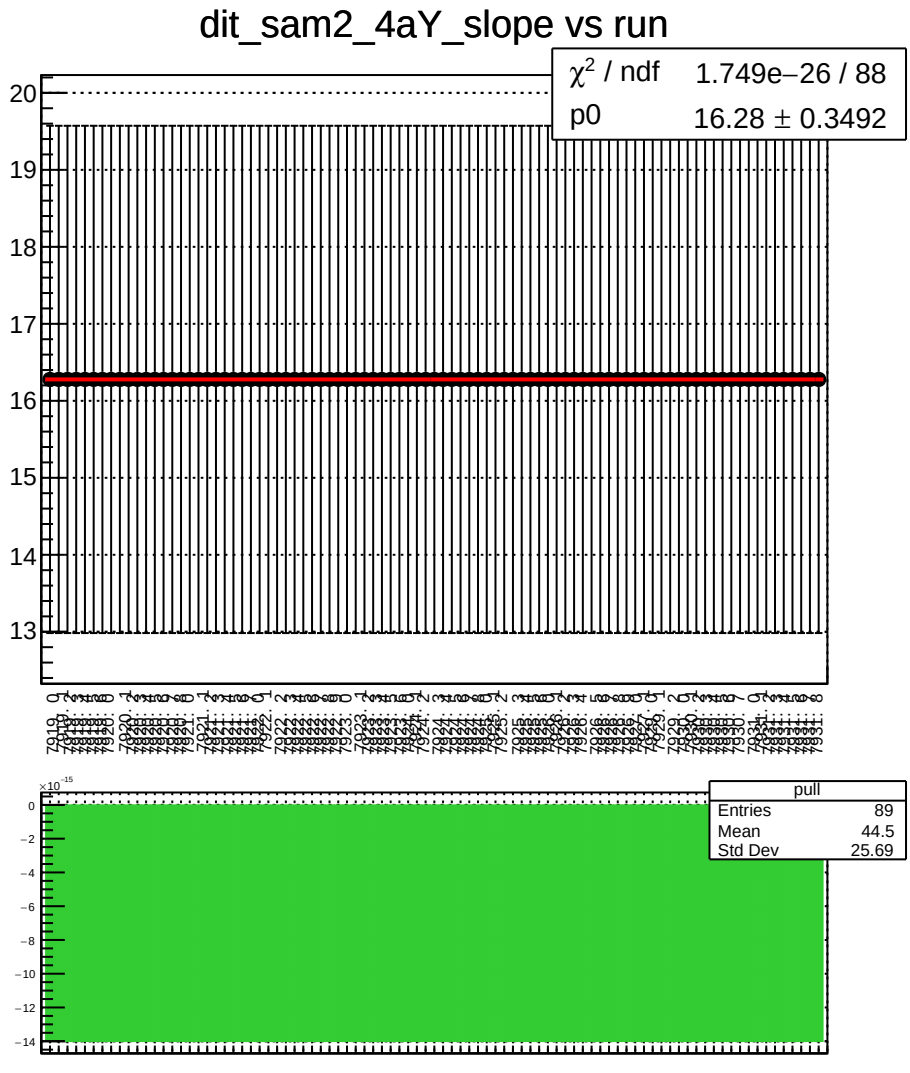

pull1D
Entries 89
Mean 2.583e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

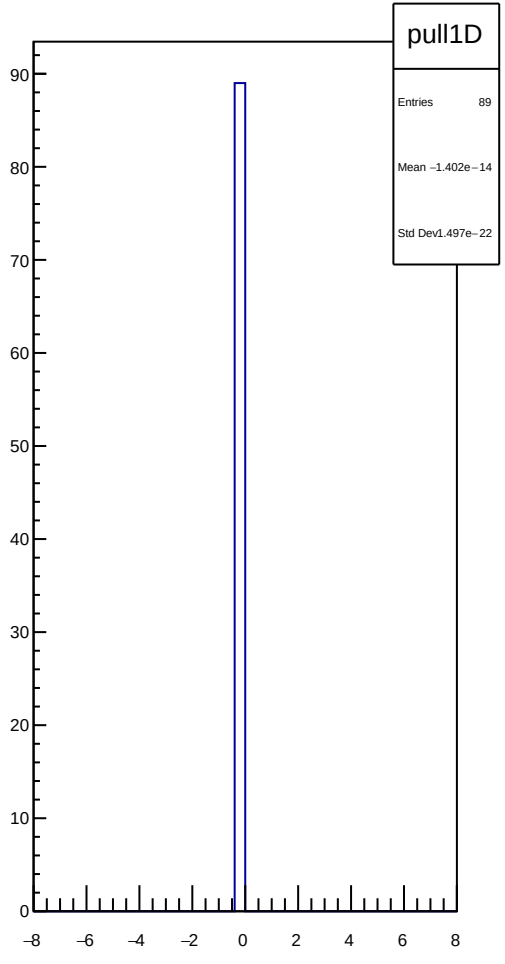

dit_sam2_4aX_slope vs run
χ² / ndf 9.249e−28 / 88
p0 9.017 ± 0.2336
pull
Entries 89
Mean 44.5
Std Dev 25.69

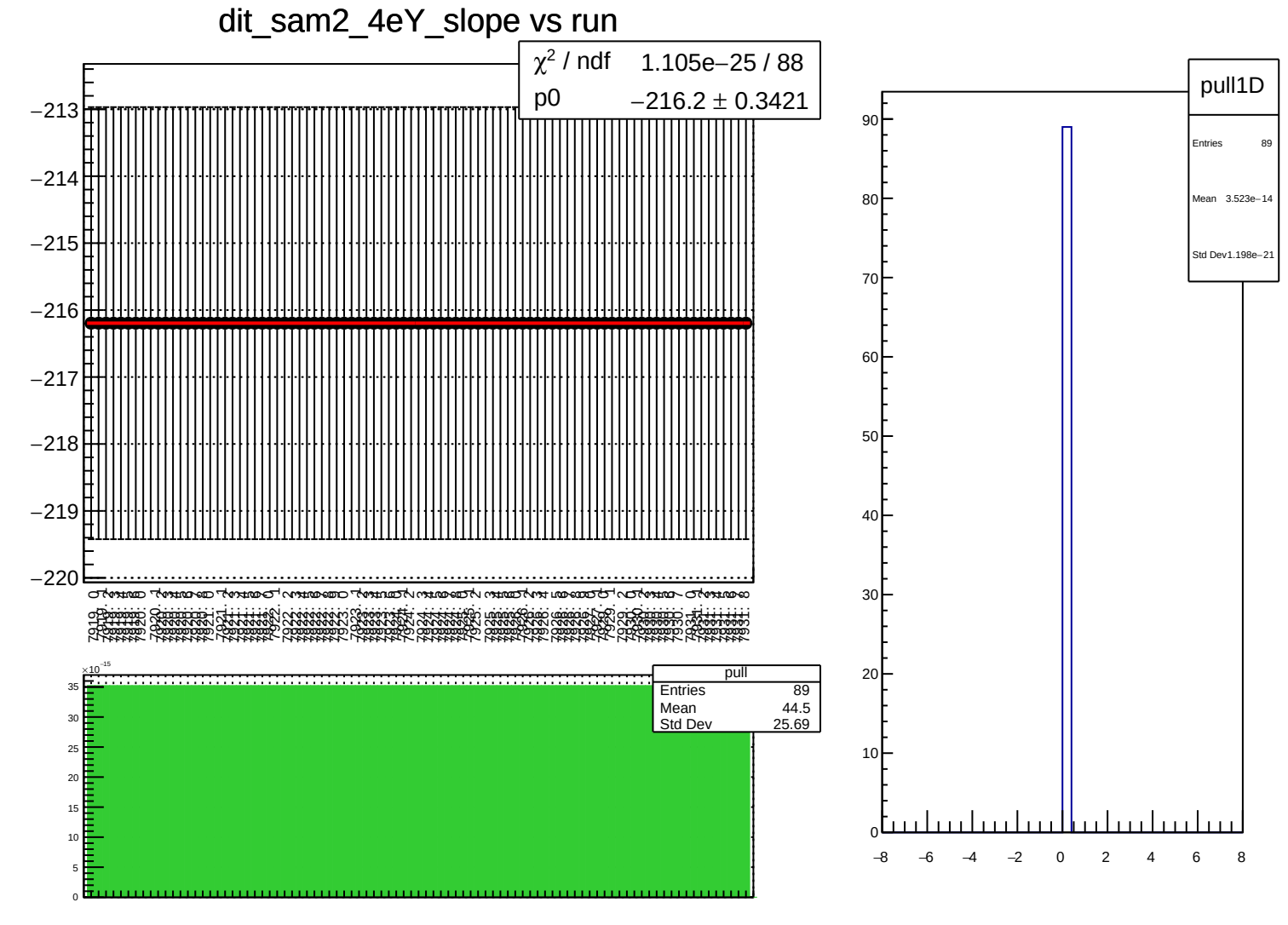

pull1D
Entries 89
Mean −3.224e−15
Std Dev1.184e−22

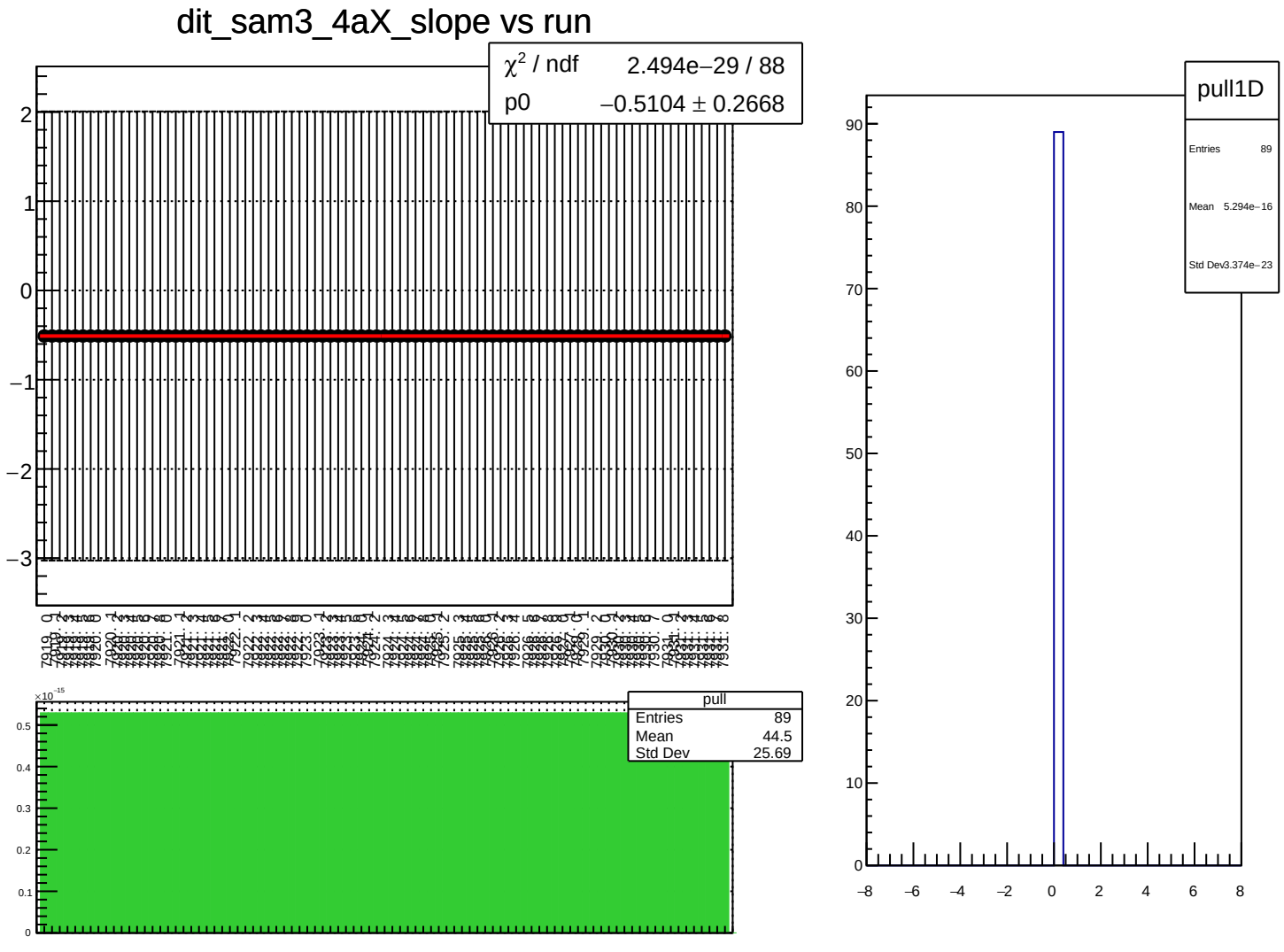

dit_sam2_4eX_slope vs run
χ^2 / ndf 1.312e−23 / 88
p0 −220.7 ± 0.1804
−219
−219.5
−220
−220.5
−221
−221.5
−222
−222.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 89
Mean −3.84e−13
Std Dev1.437e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

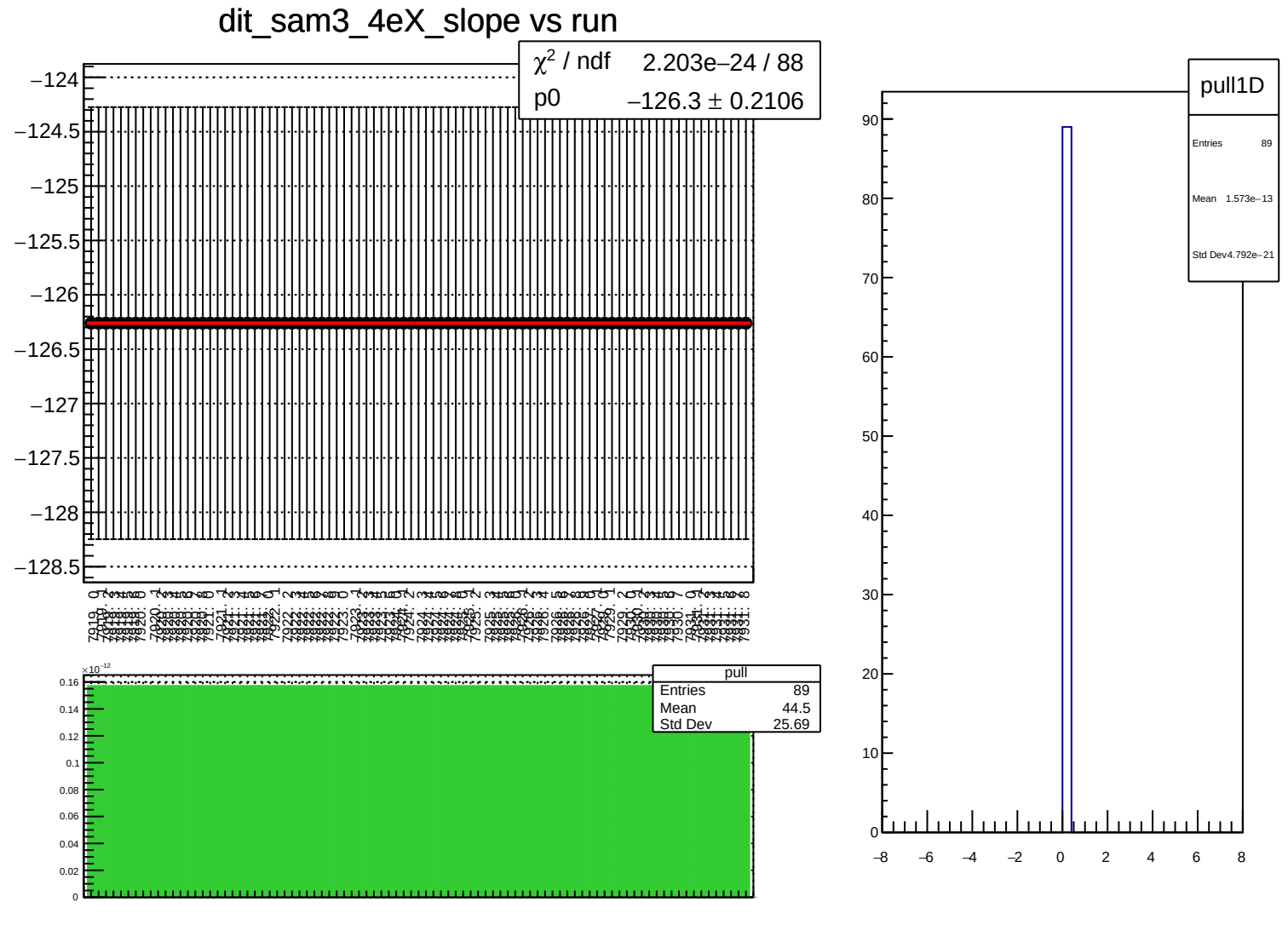

dit_sam2_11X12X_slope vs run
χ² / ndf 8.841e−30 / 88
p0 0.6726 ± 0.07468
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −3.152e−16
Std Dev1.872e−23

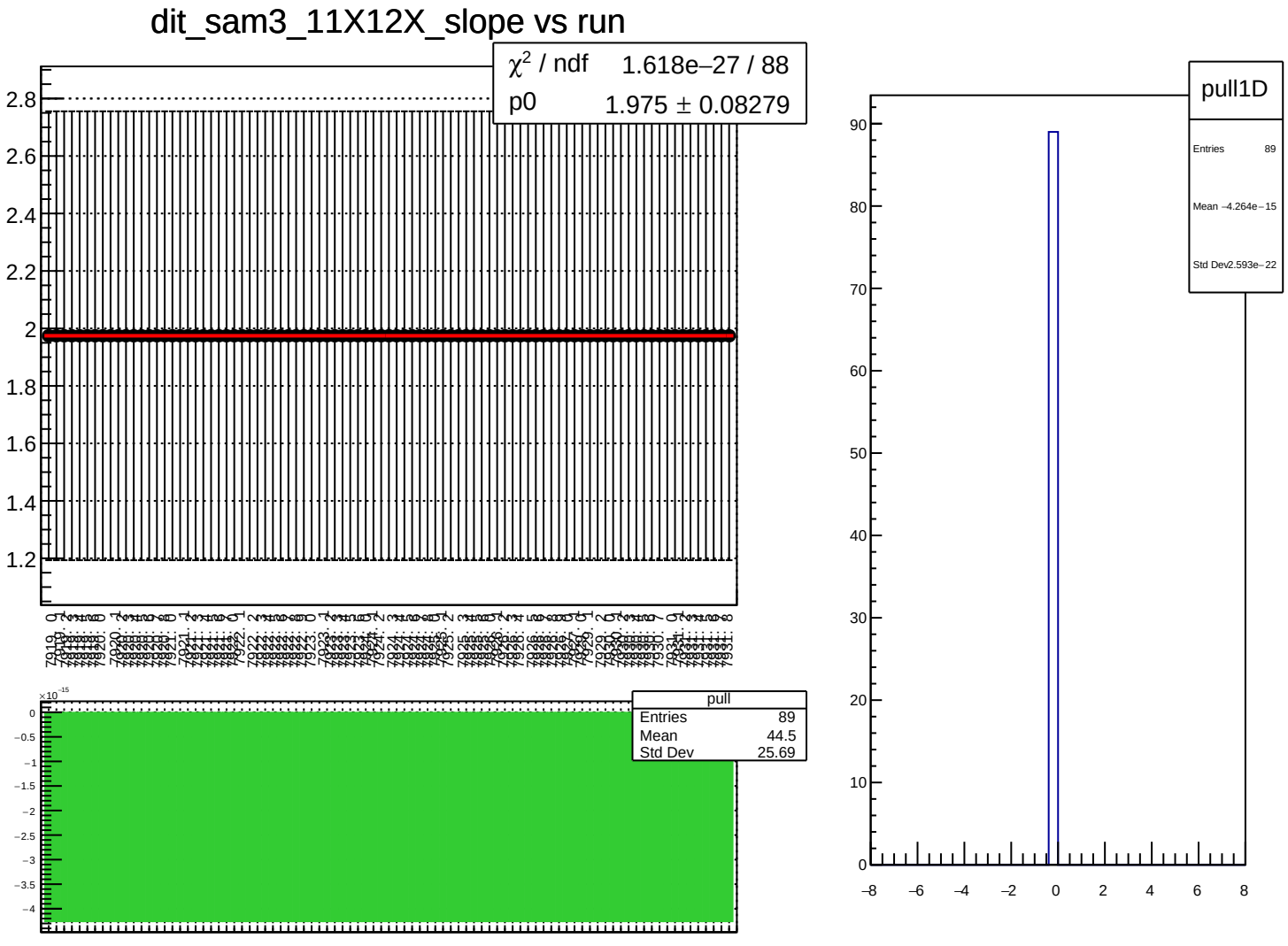

dit_sam2_4aY_slope vs run
χ² / ndf 1.749e−26 / 88
p0 16.28 ± 0.3492
pull
Entries 89
Mean 44.5
Std Dev 25.69

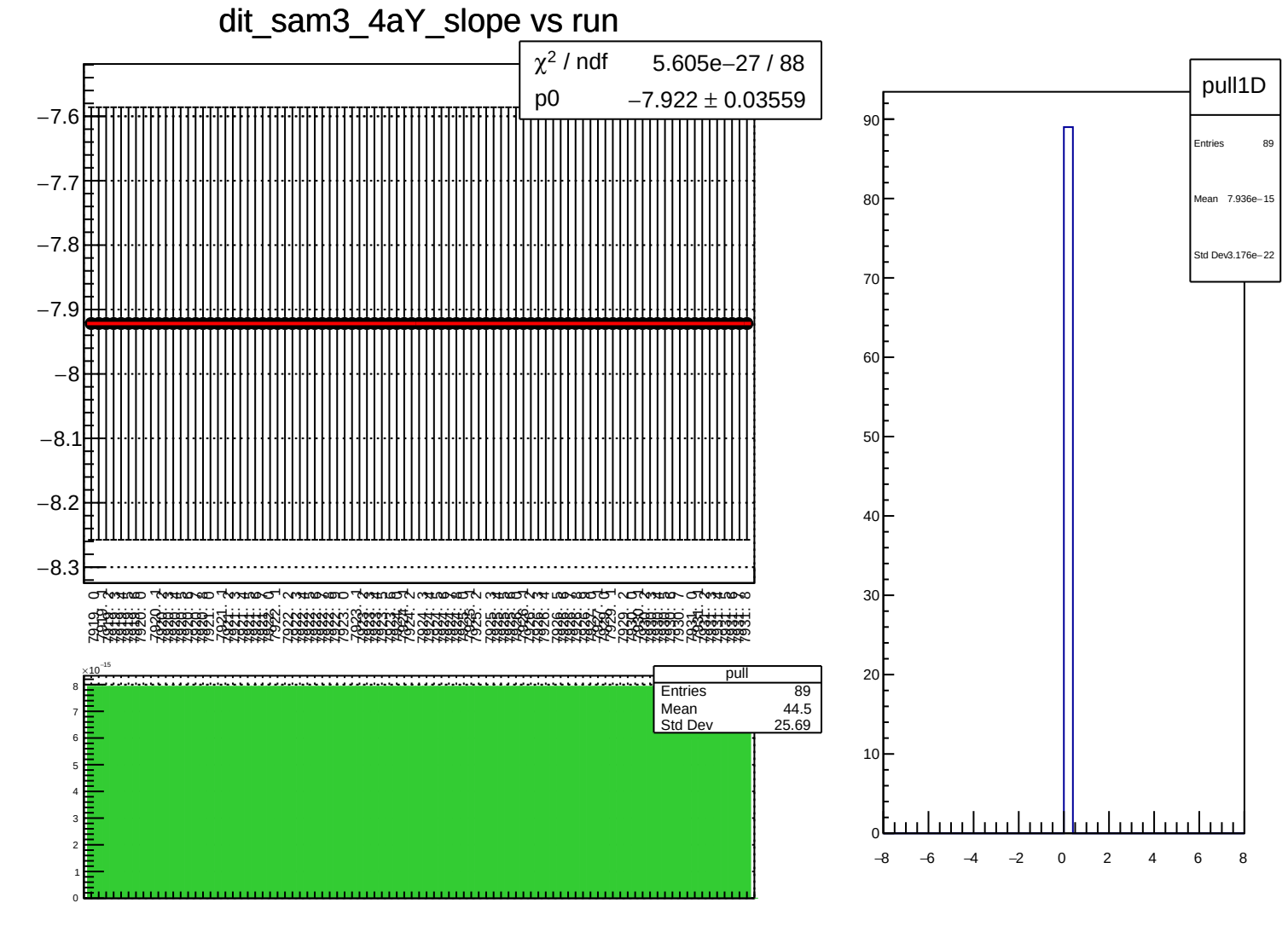

pull1D
Entries 89
Mean −1.402e−14
Std Dev1.497e−22

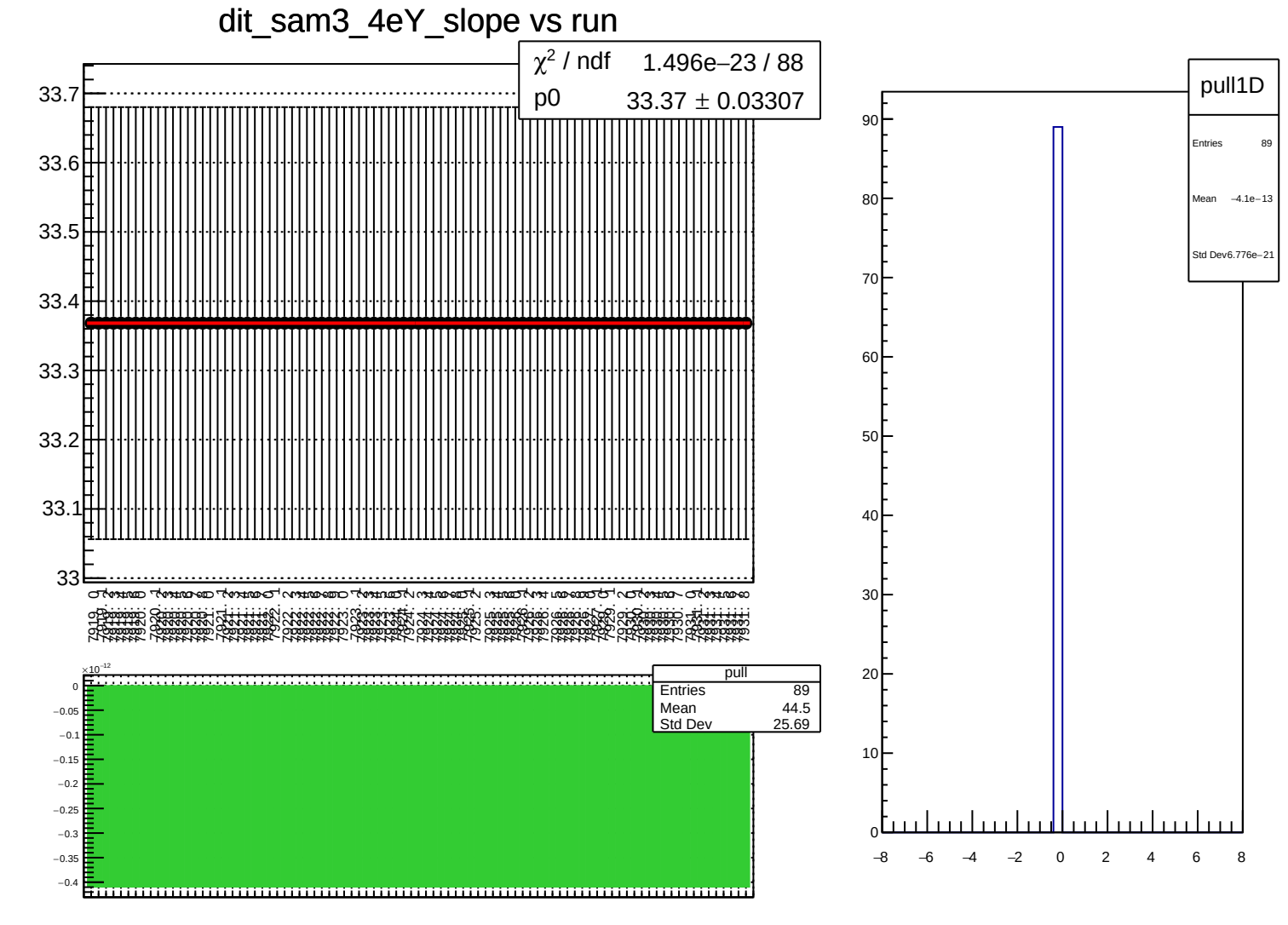

dit_sam2_4eY_slope vs run
χ² / ndf 1.105e−25 / 88
p0 −216.2 ± 0.3421
−213
−214
−215
−216
−217
−218
−219
−220
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 3.523e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

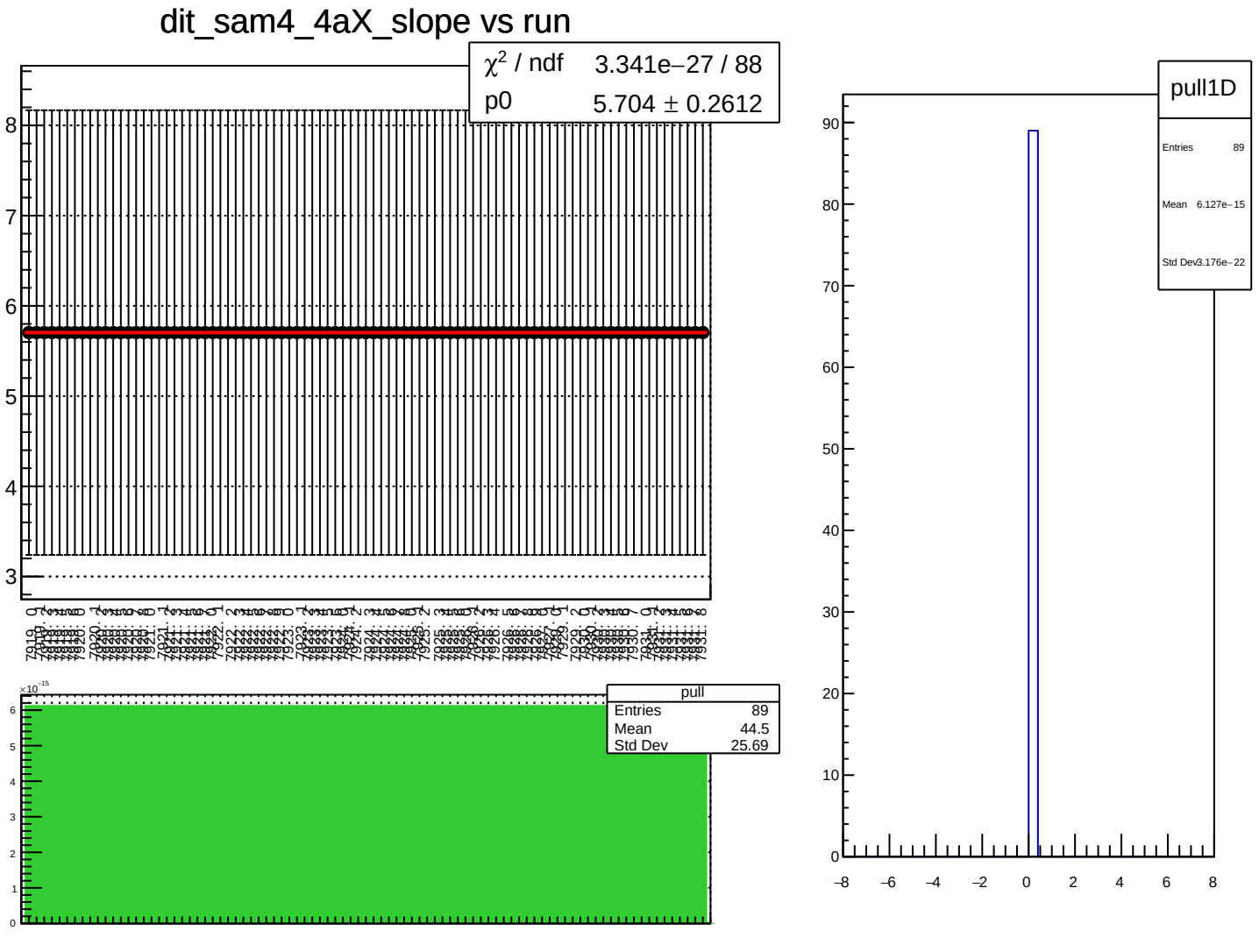

dit_sam3_4aX_slope vs run
χ² / ndf 2.494e−29 / 88
p0 −0.5104 ± 0.2668
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 5.294e−16
Std Dev 3.374e−23

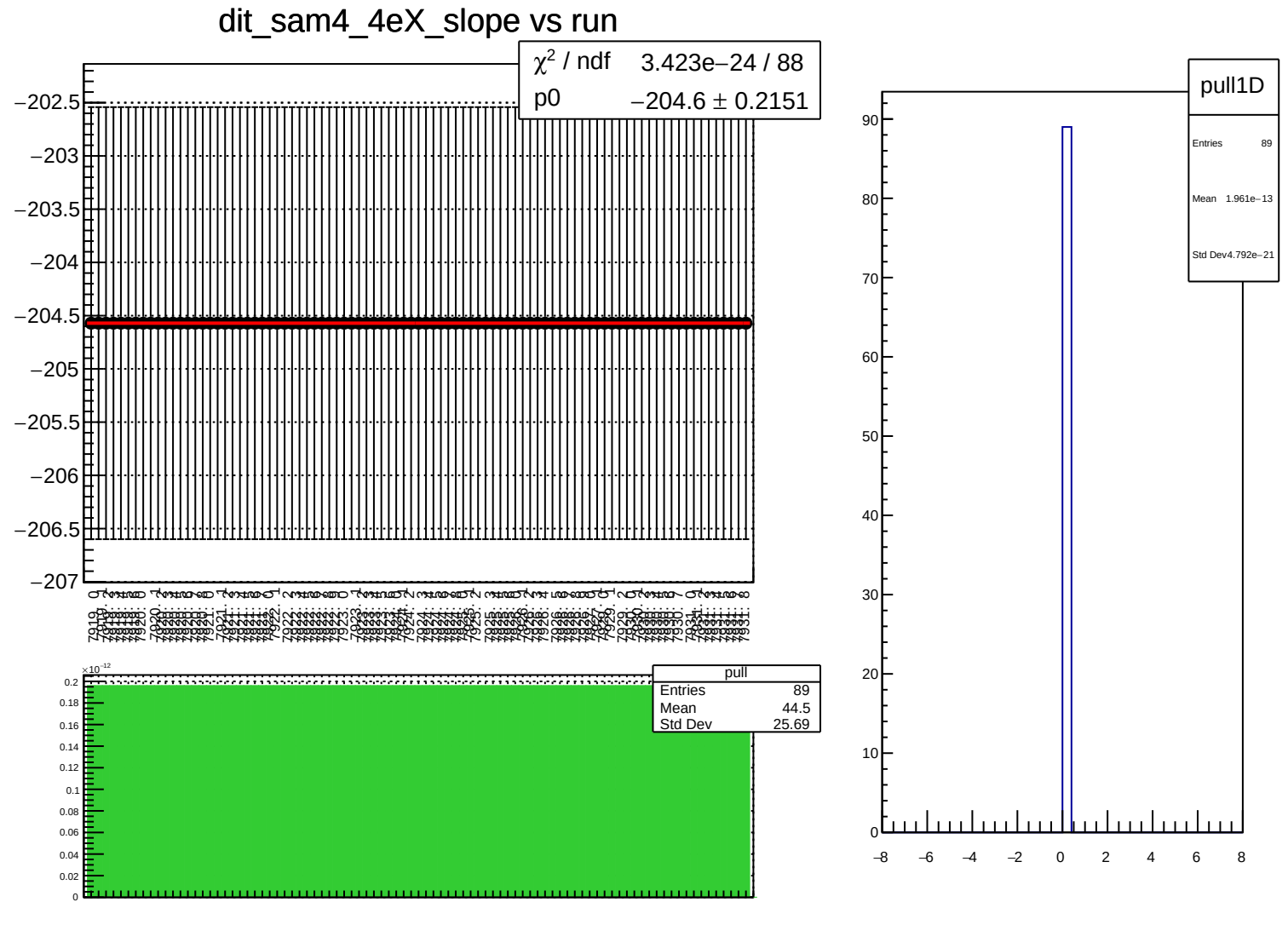

dit_sam3_4eX_slope vs run
χ^2 / ndf 2.203e−24 / 88
p0 −126.3 ± 0.2106
−124
−124.5
−125
−125.5
−126
−126.5
−127
−127.5
−128
−128.5
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.573e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

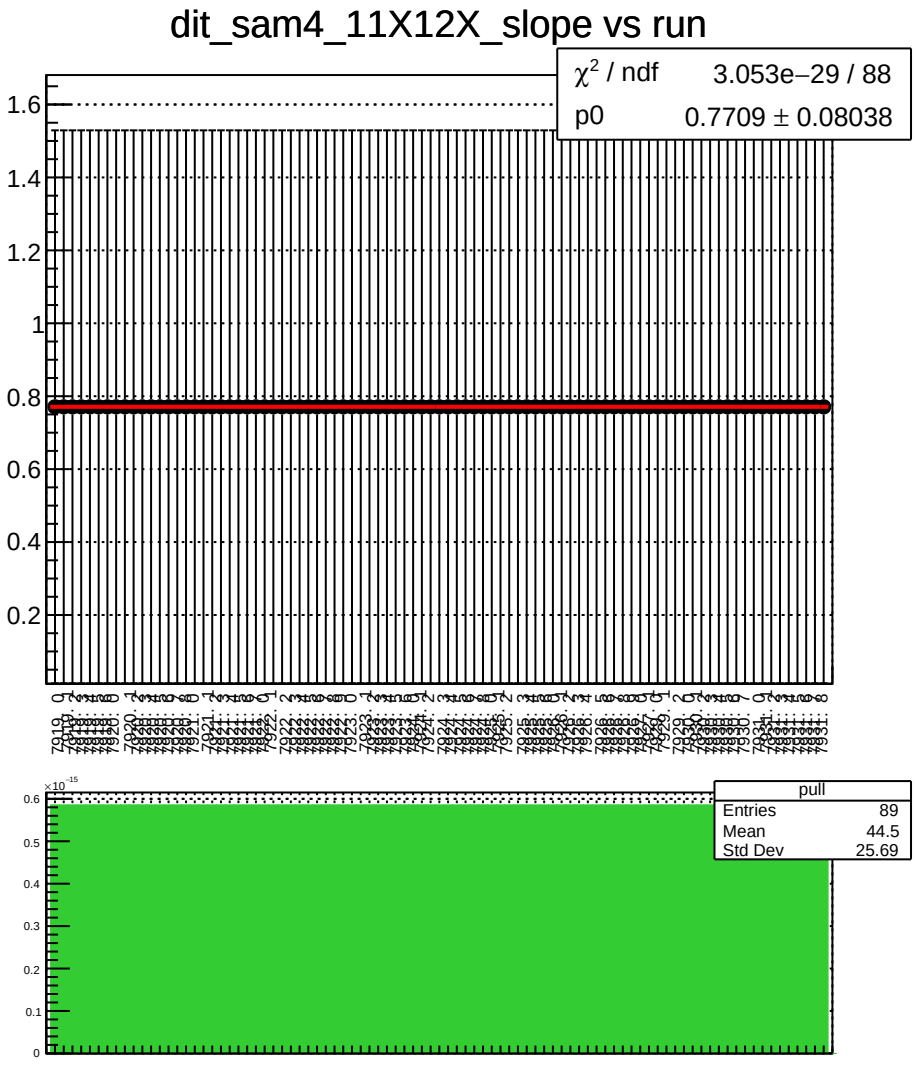

dit_sam3_11X12X_slope vs run
χ² / ndf 1.618e−27 / 88
p0 1.975 ± 0.08279
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −4.264e−15
Std Dev 2.593e−22

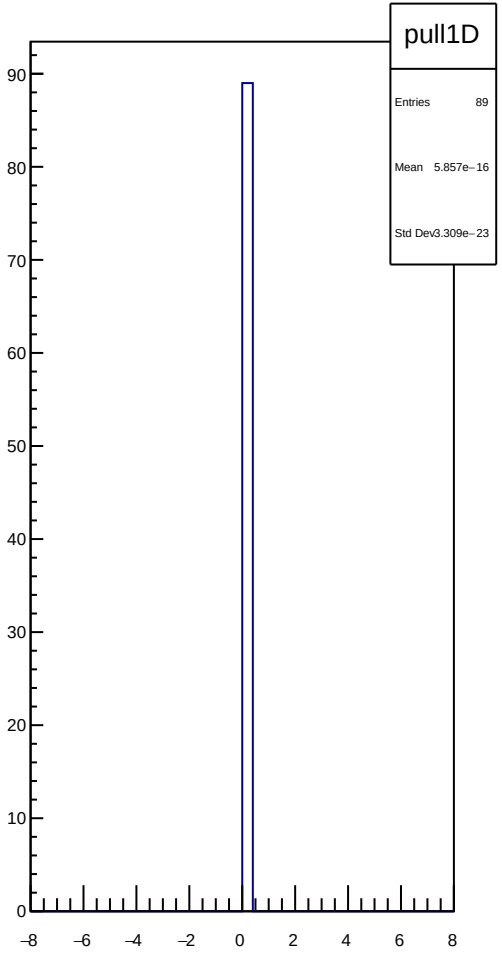

dit_sam3_4aY_slope vs run
χ² / ndf 5.605e−27 / 88
p0 −7.922 ± 0.03559
−7.6
−7.7
−7.8
−7.9
−8
−8.1
−8.2
−8.3
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
pull1D
Entries 89
Mean 7.936e−15
Std Dev 3.176e−22

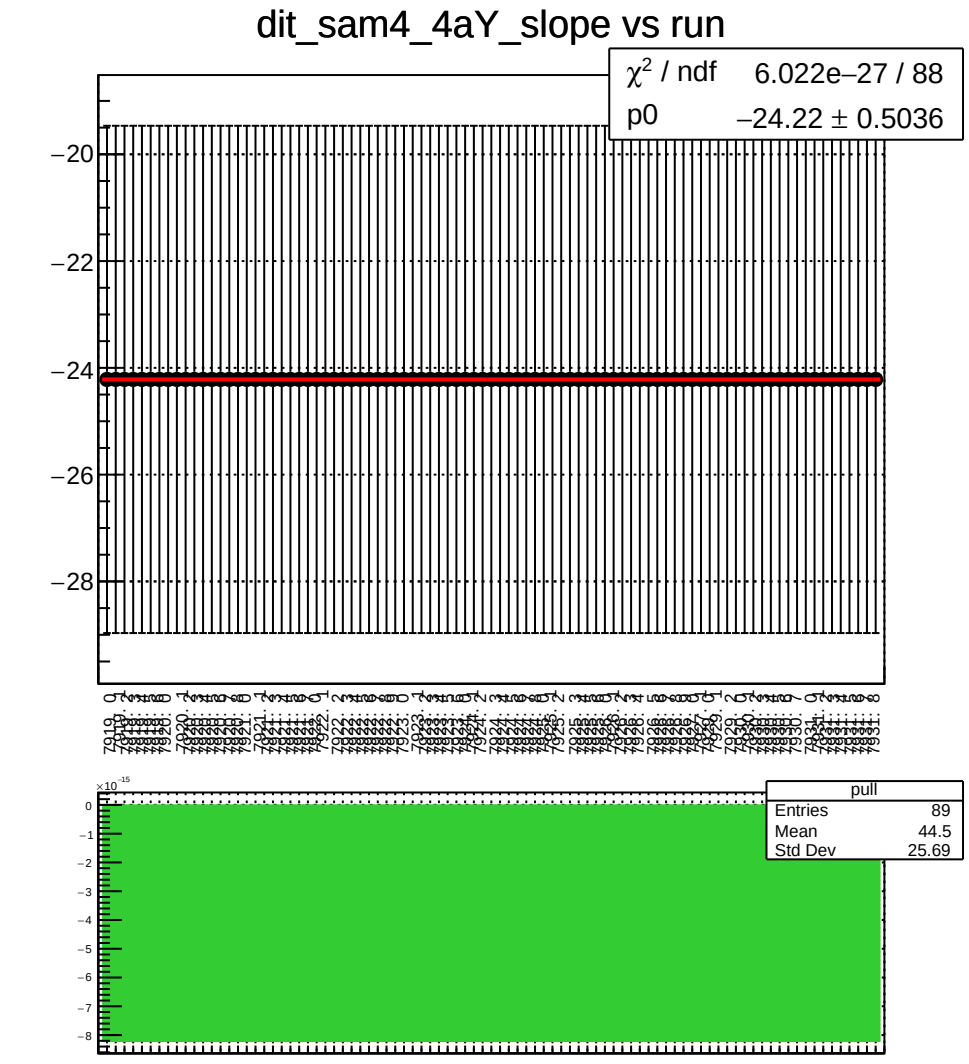

dit_sam3_4eY_slope vs run
χ² / ndf 1.496e−23 / 88
p0 33.37 ± 0.03307
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean −4.1e−13
Std Dev6.776e−21

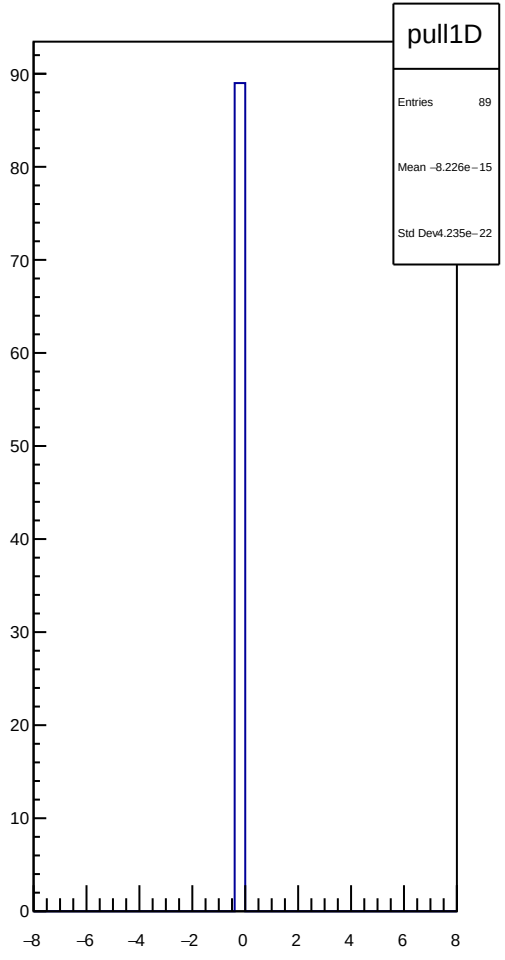

dit_sam4_4aX_slope vs run
χ² / ndf 3.341e−27 / 88
p0 5.704 ± 0.2612
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 6.127e−15
Std Dev 3.176e−22

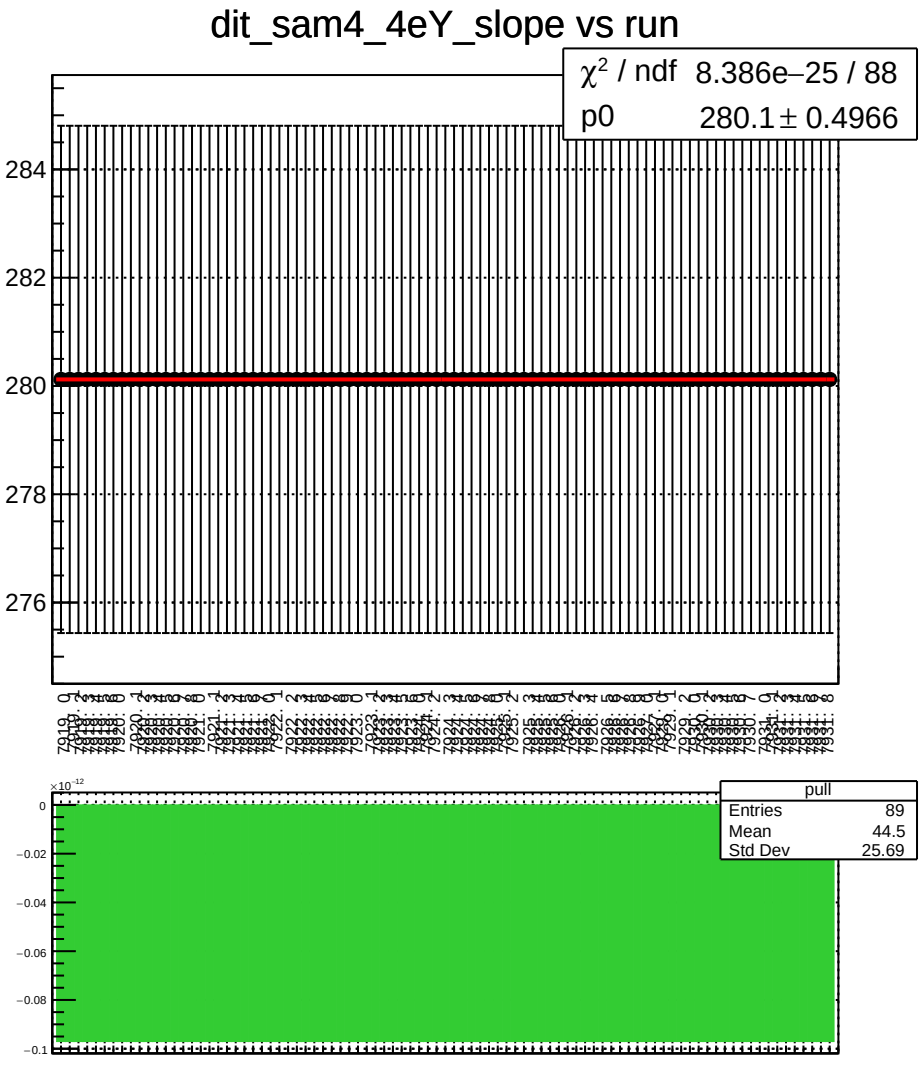

dit_sam4_4eX_slope vs run
χ² / ndf 3.423e−24 / 88
p0 −204.6 ± 0.2151
−202.5
−203
−203.5
−204
−204.5
−205
−205.5
−206
−206.5
−207
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 1.961e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

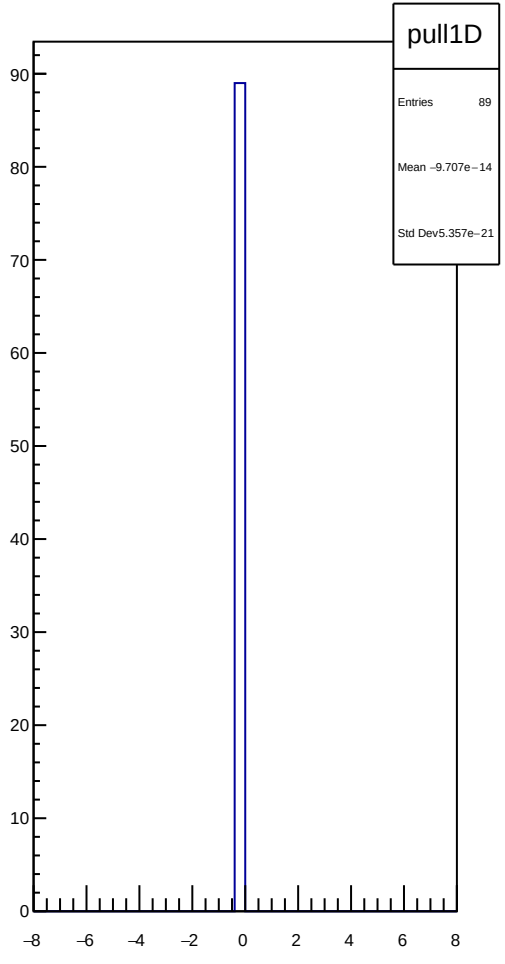

dit_sam4_11X12X_slope vs run
χ² / ndf 3.053e−29 / 88
p0 0.7709 ± 0.08038
pull
Entries 89
Mean 44.5
Std Dev 25.69

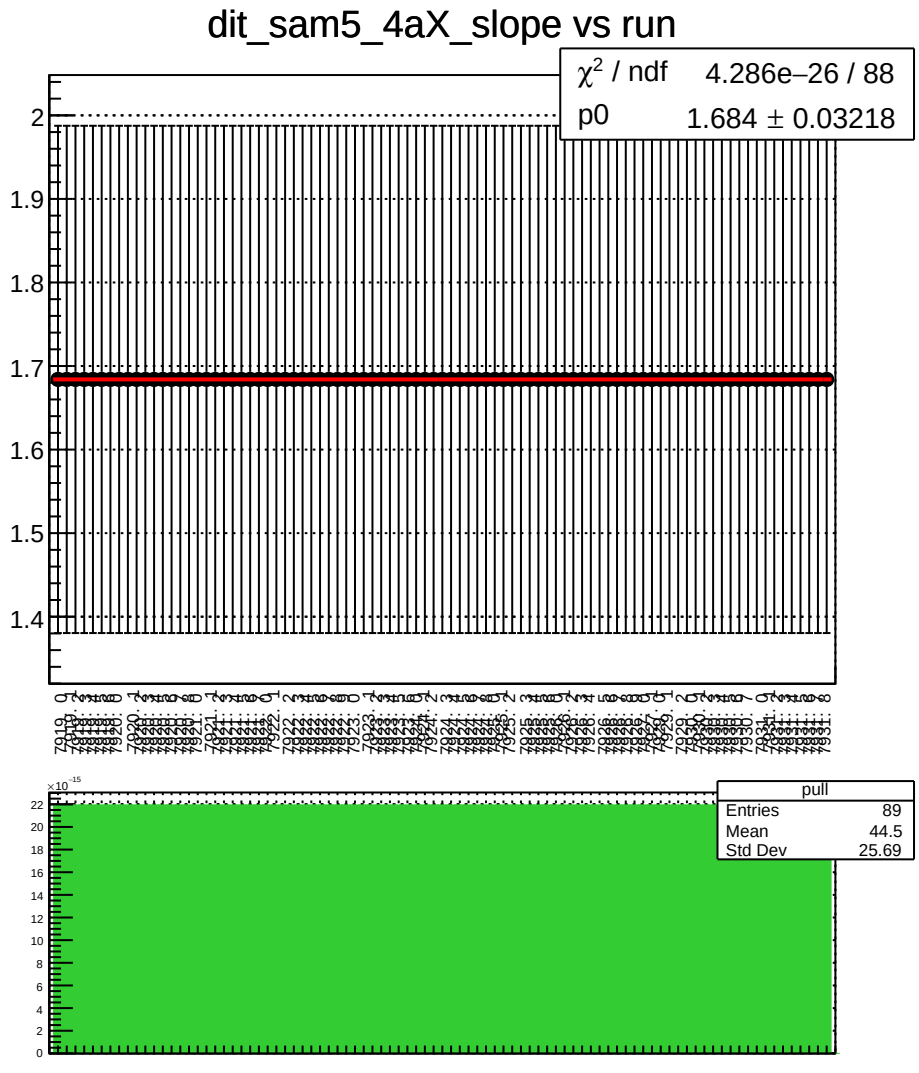

pull1D
Entries 89
Mean 5.857e−16
Std Dev 3.309e−23

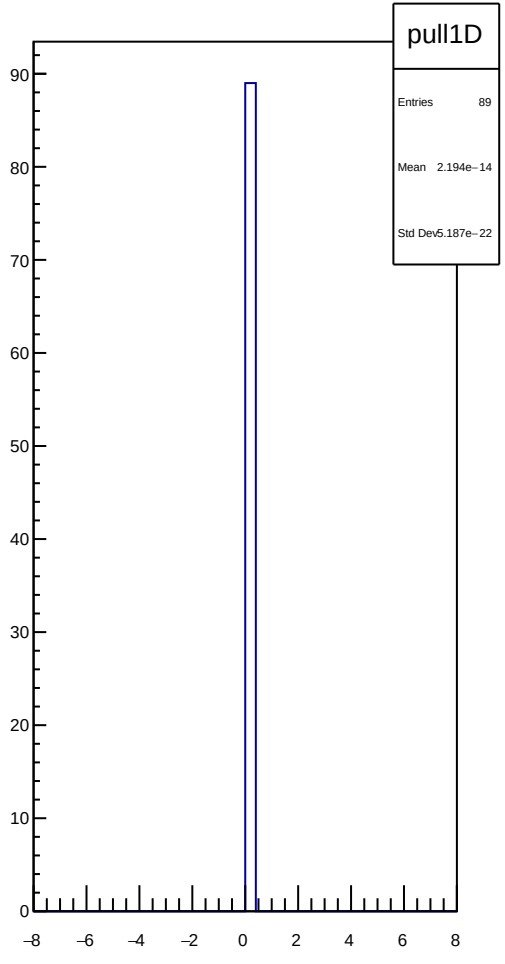

dit_sam4_4aY_slope vs run
χ² / ndf 6.022e−27 / 88
p0 −24.22 ± 0.5036
−20
−22
−24
−26
−28
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8

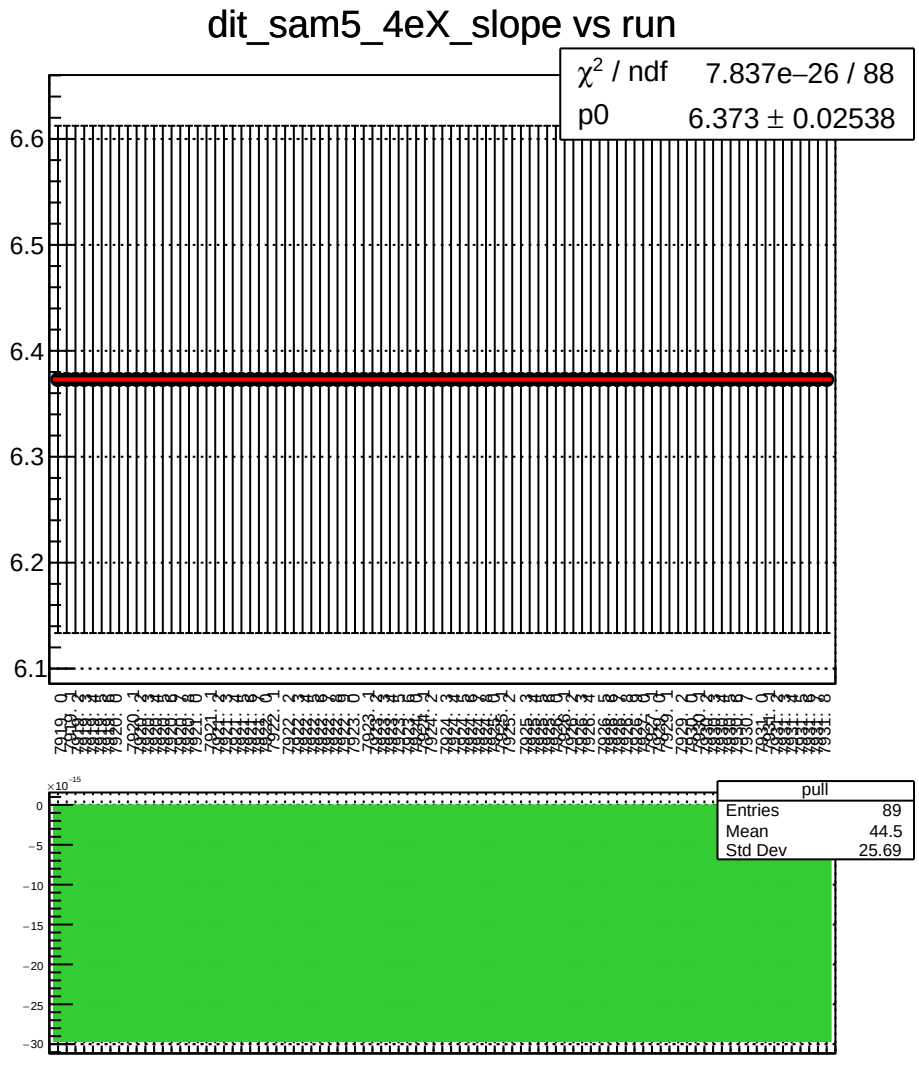

pull1D
Entries 89
Mean −8.226e−15
Std Dev4.235e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

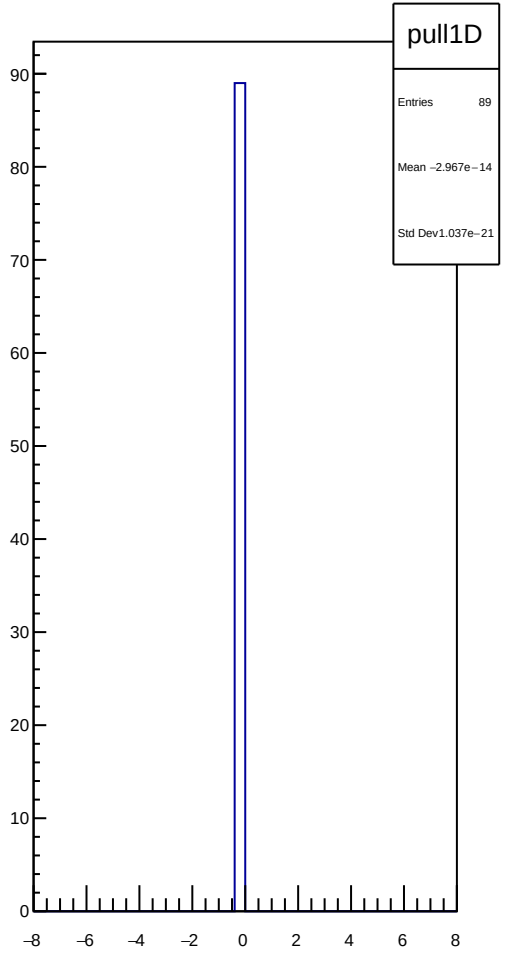

dit_sam4_4eY_slope vs run
χ^2 / ndf 8.386e−25 / 88
p0 280.1 ± 0.4966
284
282
280
278
276
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

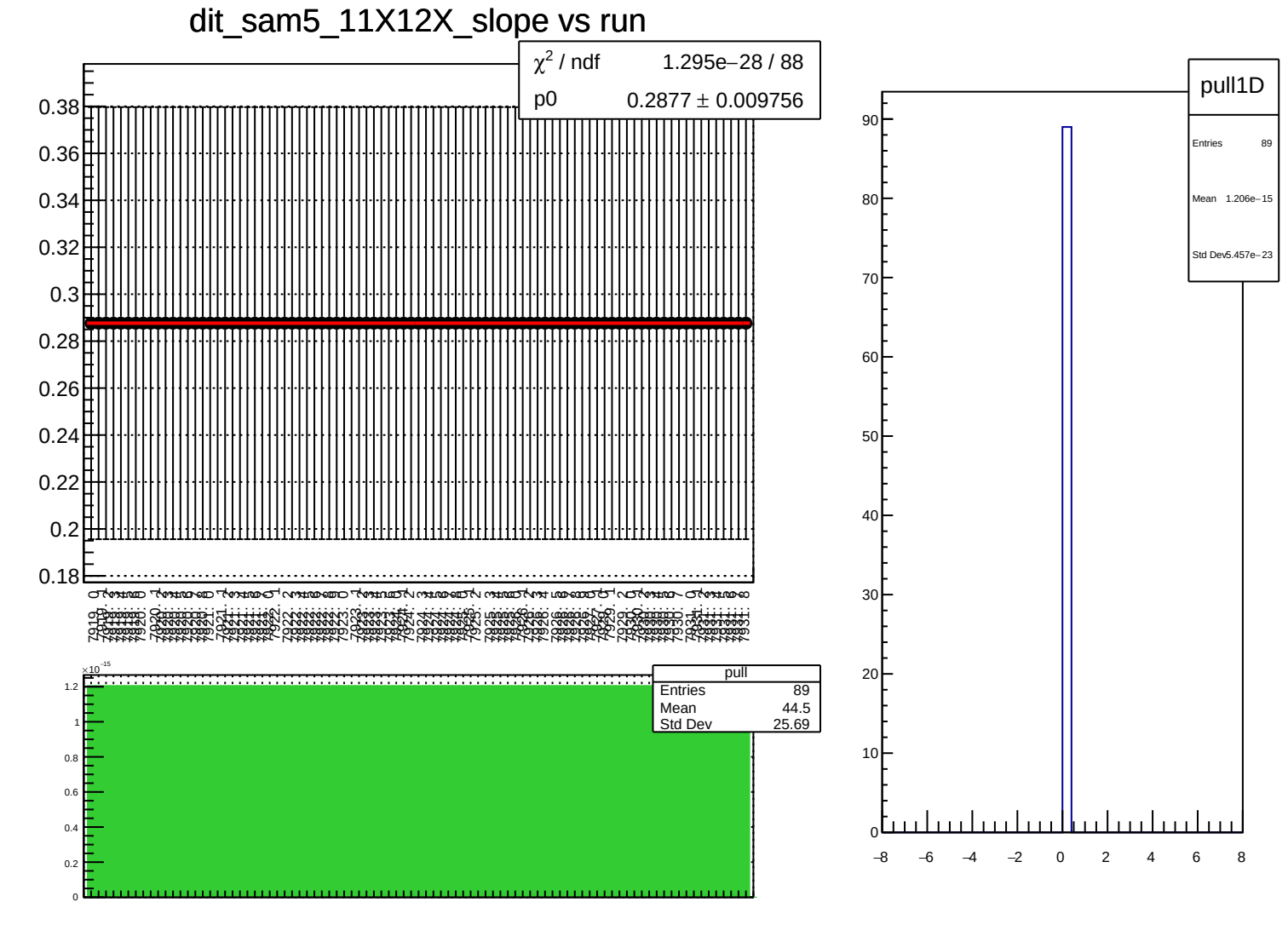

pull1D
Entries 89
Mean −9.707e−14
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

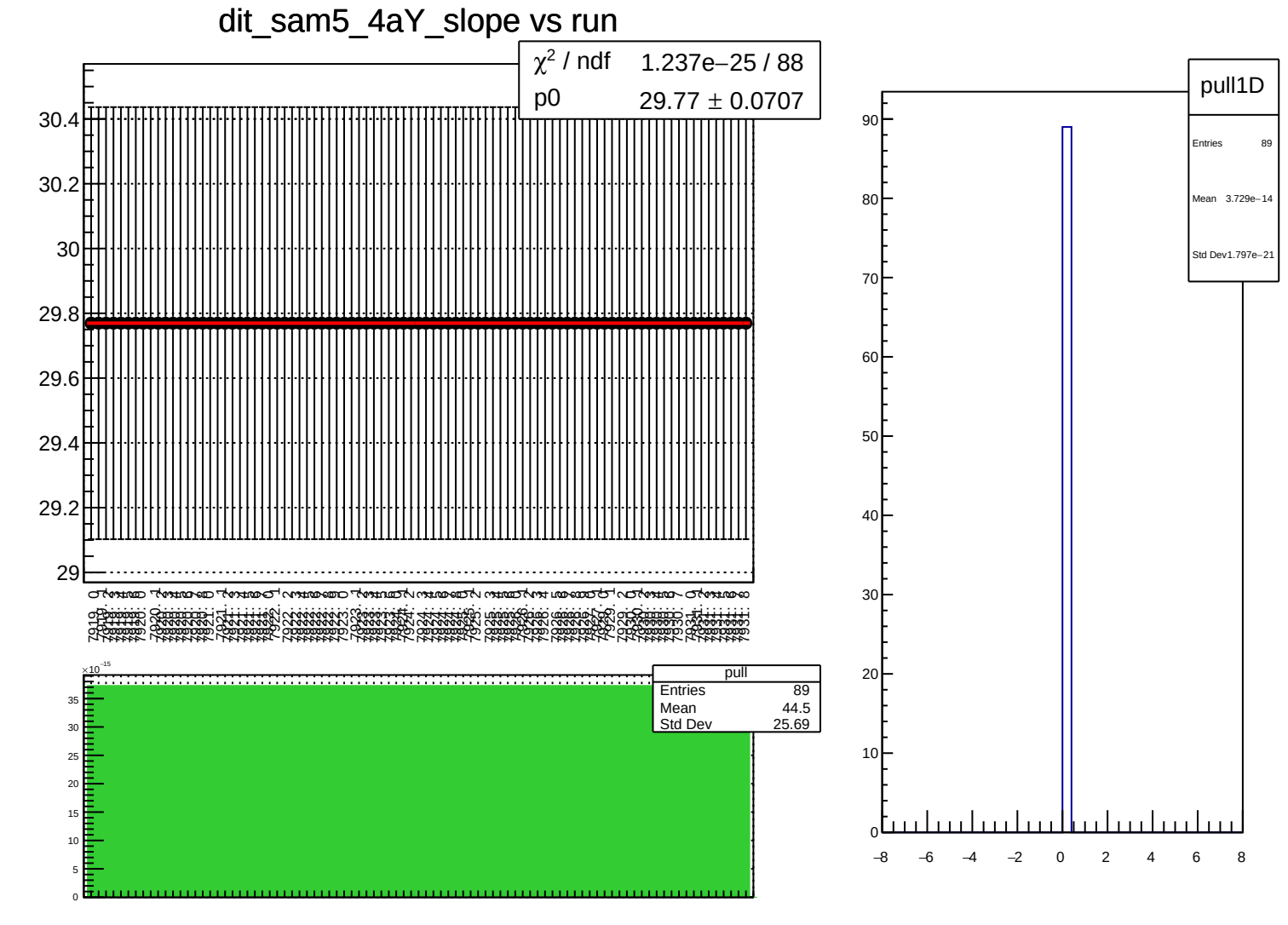

dit_sam5_4aX_slope vs run
χ² / ndf 4.286e−26 / 88
p0 1.684 ± 0.03218
pull
Entries 89
Mean 44.5
Std Dev 25.69

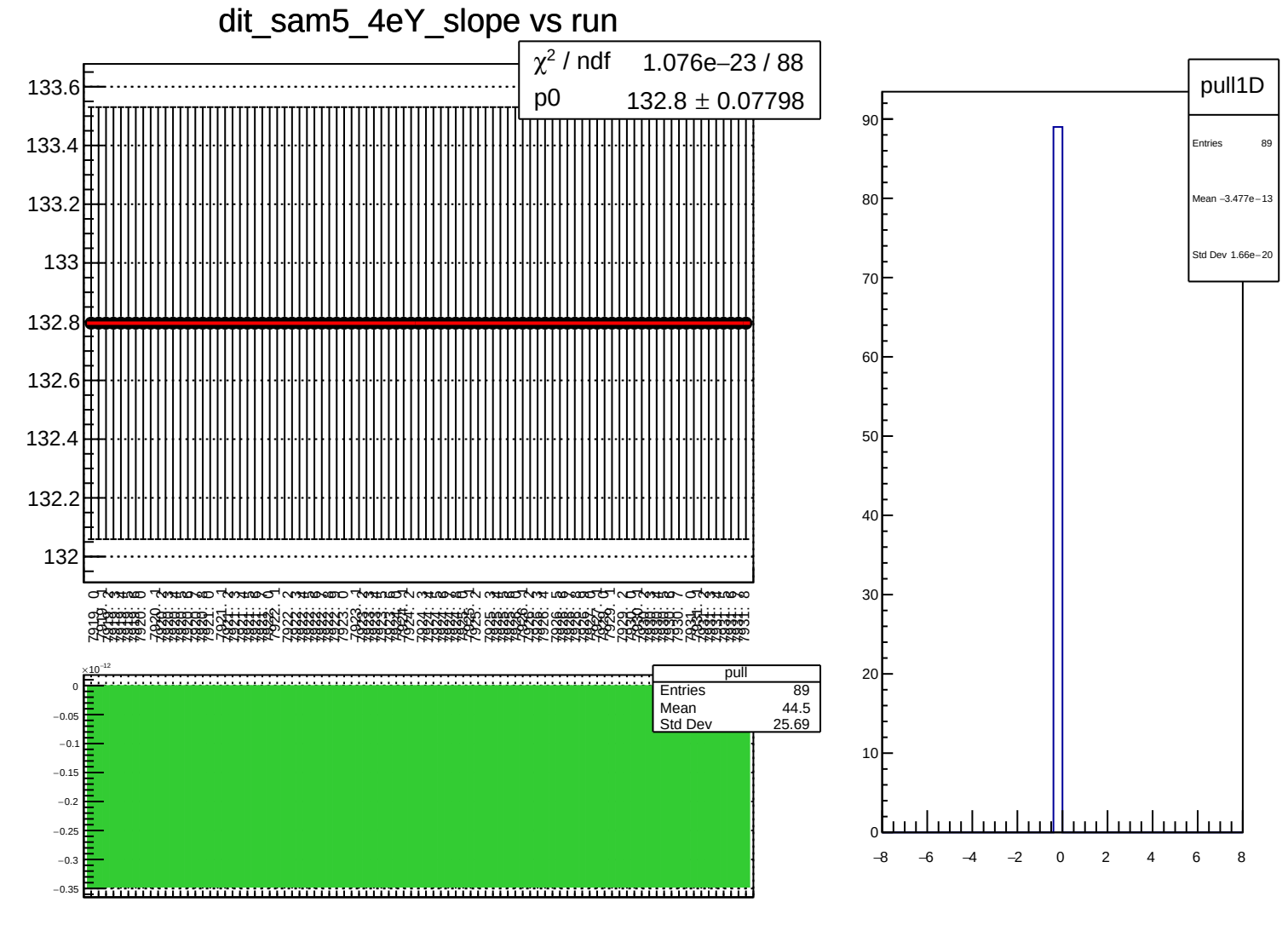

pull1D
Entries 89
Mean 2.194e−14
Std Dev5.187e−22

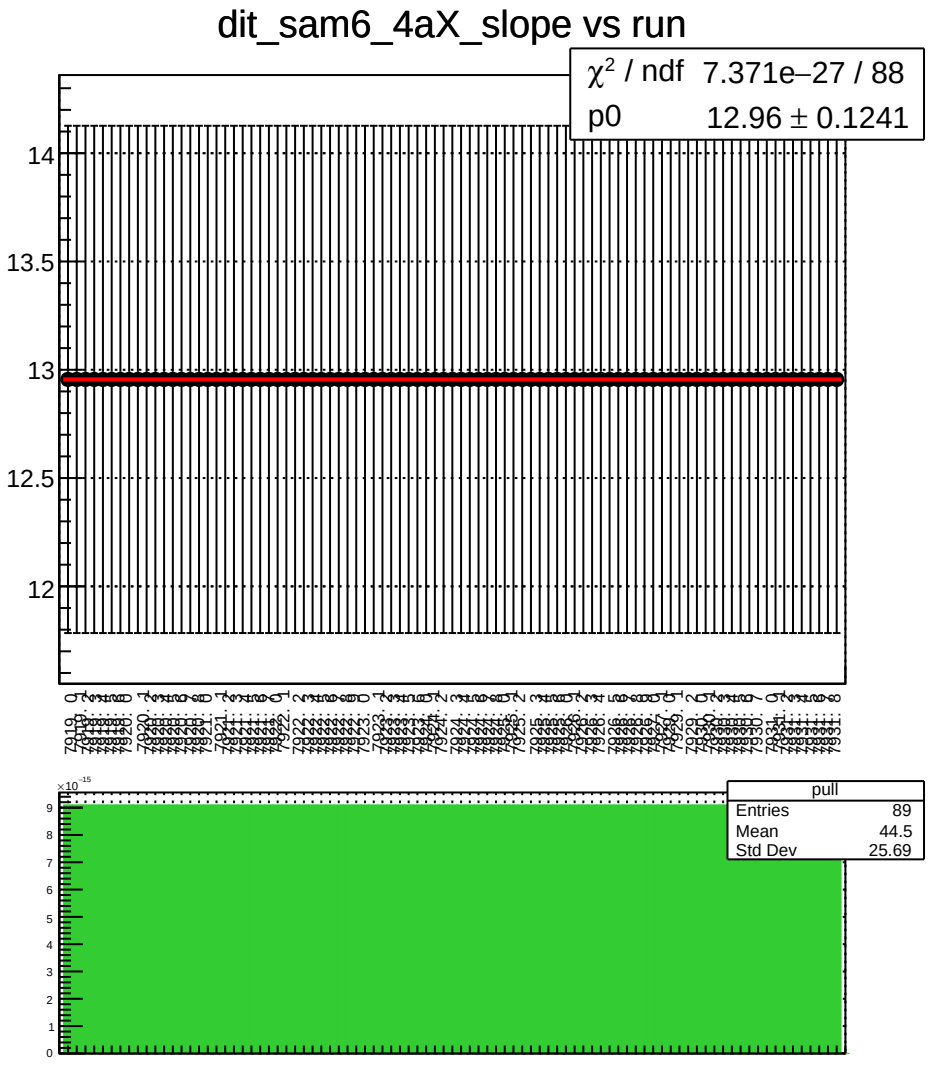

dit_sam5_4eX_slope vs run
χ² / ndf 7.837e−26 / 88
p0 6.373 ± 0.02538
pull
Entries 89
Mean 44.5
Std Dev 25.69

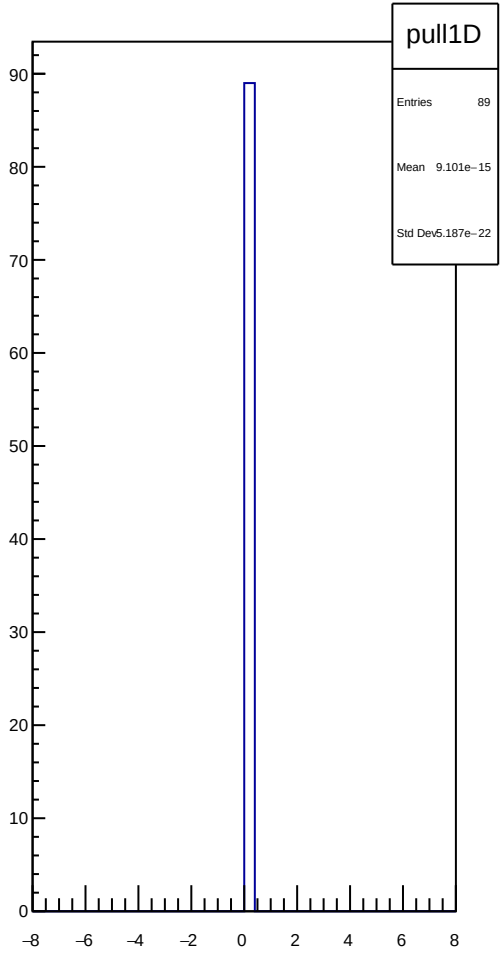

pull1D
Entries 89
Mean −2.967e−14
Std Dev1.037e−21

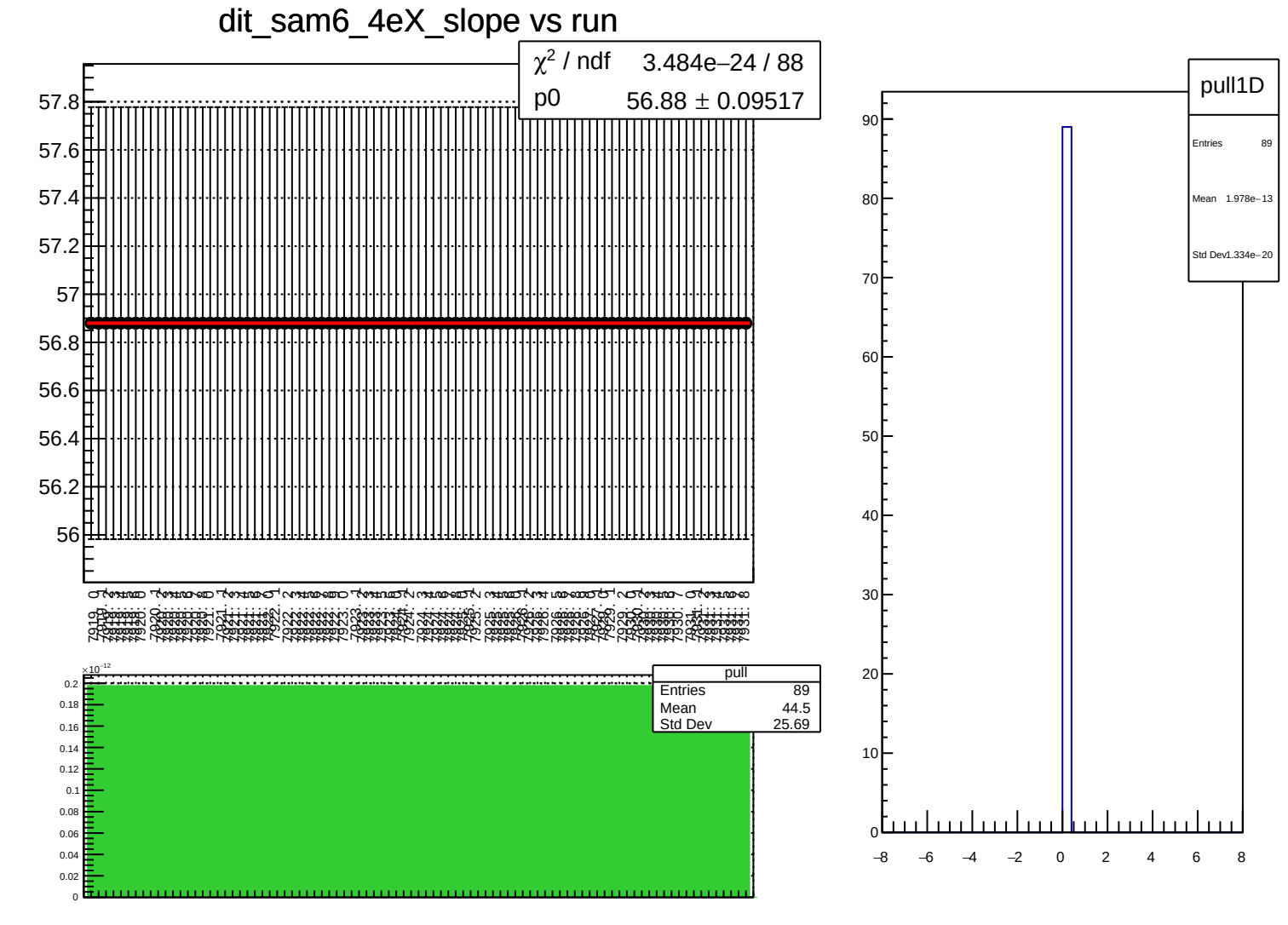

dit_sam5_11X12X_slope vs run
χ² / ndf 1.295e−28 / 88
p0 0.2877 ± 0.009756
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.206e−15
Std Dev5.457e−23

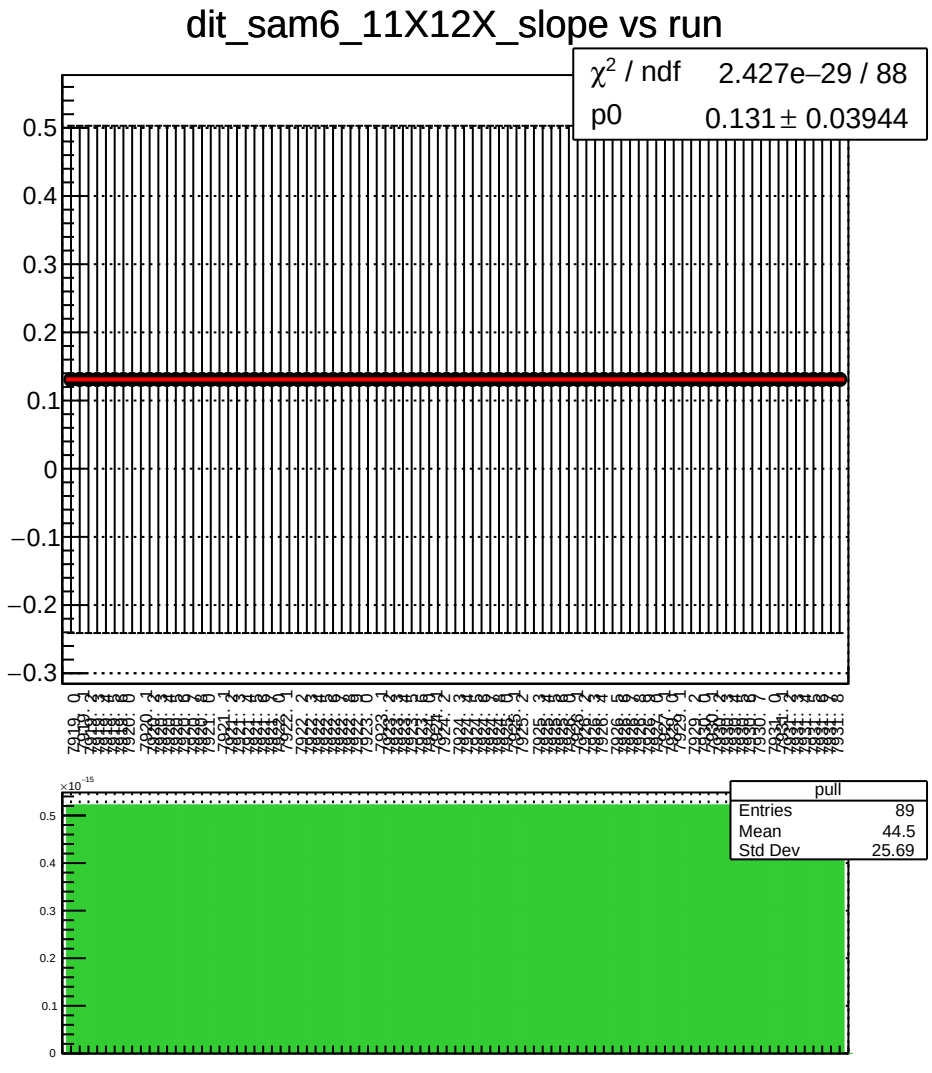

dit_sam5_4aY_slope vs run
χ² / ndf 1.237e−25 / 88
p0 29.77 ± 0.0707
30.4
30.2
30
29.8
29.6
29.4
29.2
29
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 89
Mean 3.729e−14
Std Dev 1.797e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

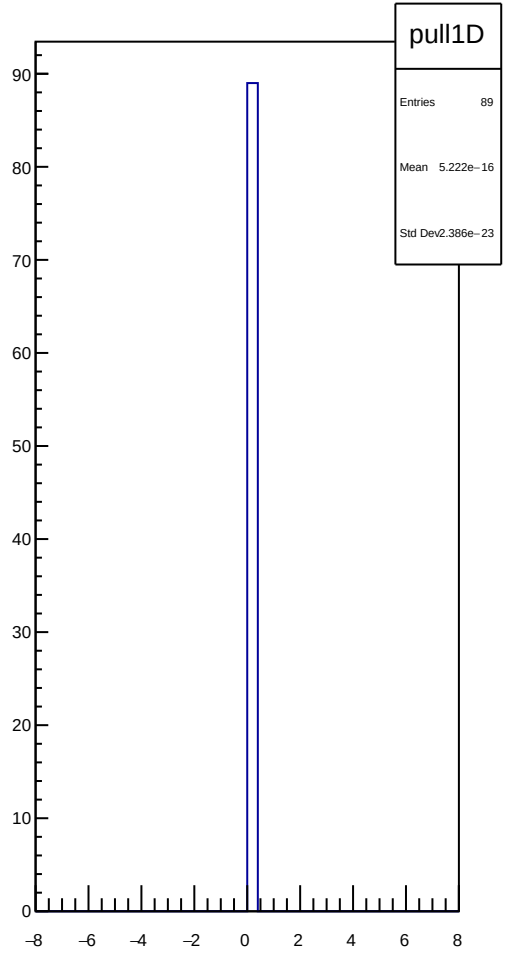

dit_sam5_4eY_slope vs run
χ² / ndf 1.076e−23 / 88
p0 132.8 ± 0.07798
133.6
133.4
133.2
133
132.8
132.6
132.4
132.2
132
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 89
Mean −3.477e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

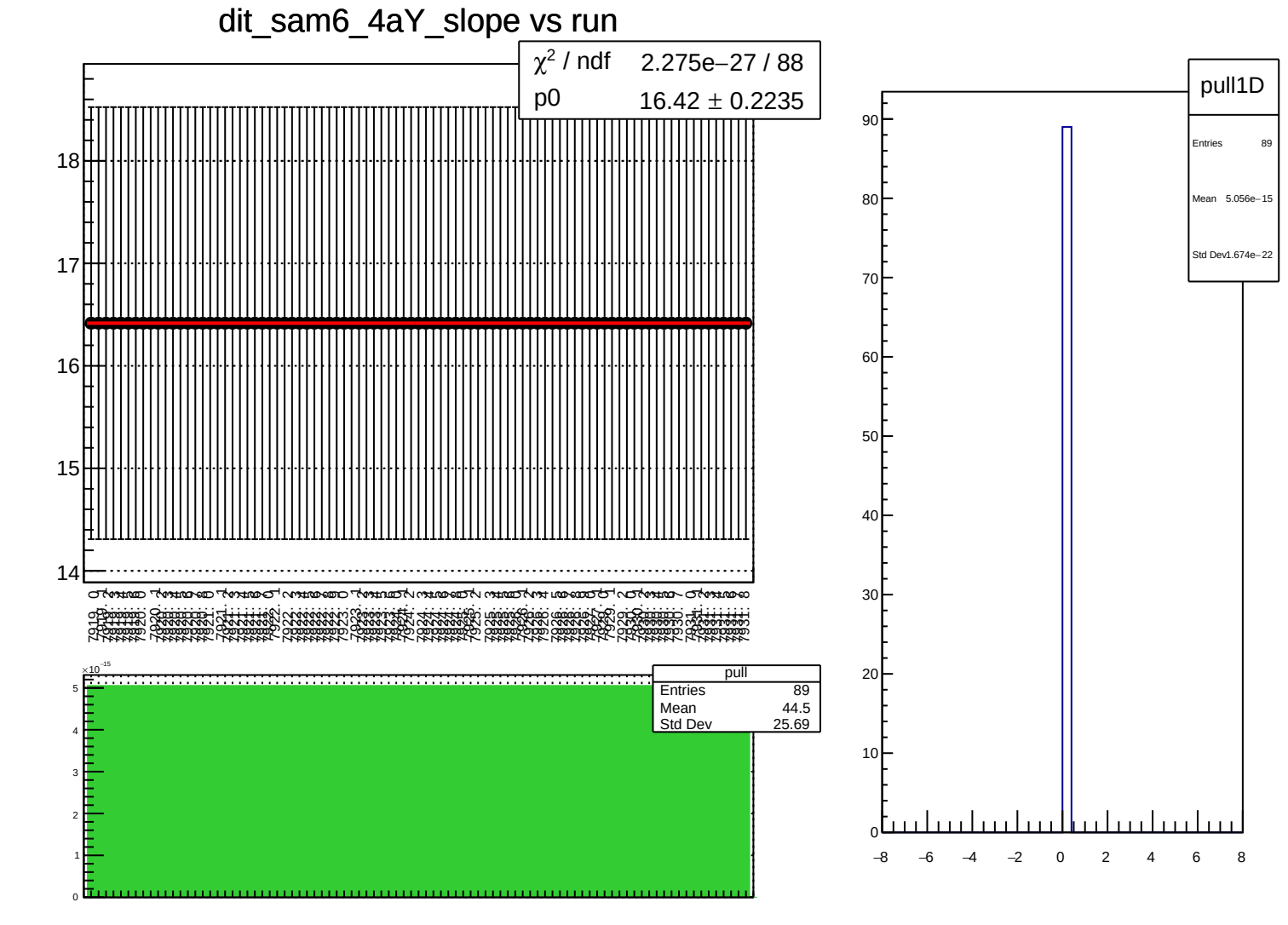

dit_sam6_4aX_slope vs run
χ² / ndf 7.371e−27 / 88
p0 12.96 ± 0.1241
14
13.5
13
12.5
12
×10⁻¹⁵
pull
Entries 89
Mean 44.5
Std Dev 25.69


pull1D
Entries 89
Mean 9.101e−15
Std Dev5.187e−22


dit_sam6_4eX_slope vs run
χ² / ndf 3.484e−24 / 88
p0 56.88 ± 0.09517
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.978e−13
Std Dev 1.334e−20


dit_sam6_11X12X_slope vs run
χ² / ndf 2.427e−29 / 88
p0 0.131 ± 0.03944
pull
Entries 89
Mean 44.5
Std Dev 25.69


pull1D
Entries 89
Mean 5.222e−16
Std Dev 2.386e−23


dit_sam6_4aY_slope vs run
χ² / ndf 2.275e−27 / 88
p0 16.42 ± 0.2235
18
17
16
15
14
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
5
4
3
2
1
0
pull1D
Entries 89
Mean 5.056e−15
Std Dev1.674e−22
90
80
70
60
50
40
30
20
10
0
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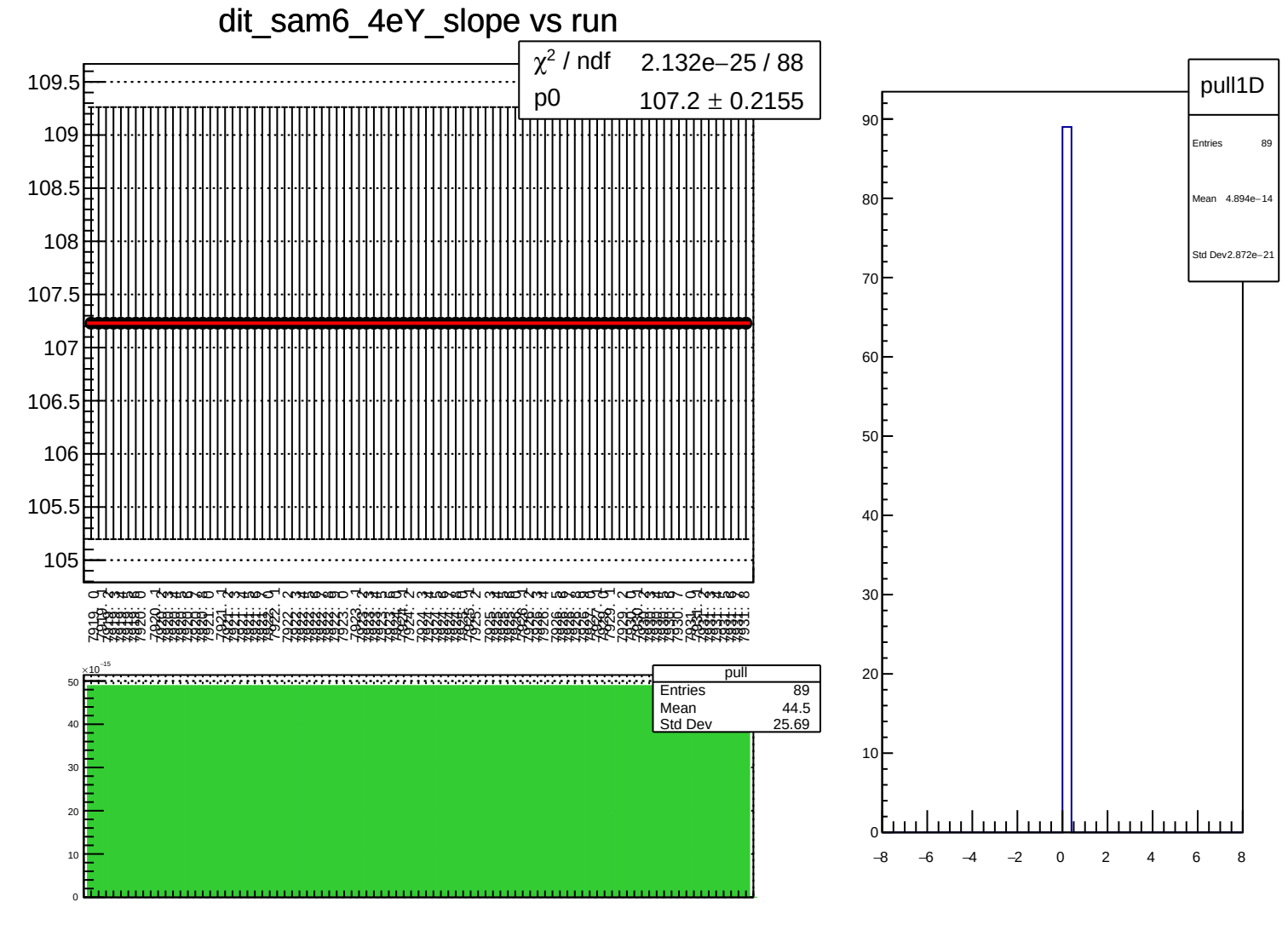
−6
−4
−2
0
2
4
6
8


dit_sam6_4eY_slope vs run
χ² / ndf 2.132e−25 / 88
p0 107.2 ± 0.2155
109.5
109
108.5
108
107.5
107
106.5
106
105.5
105
×10⁻¹⁵
50
40
30
20
10
0
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 4.894e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
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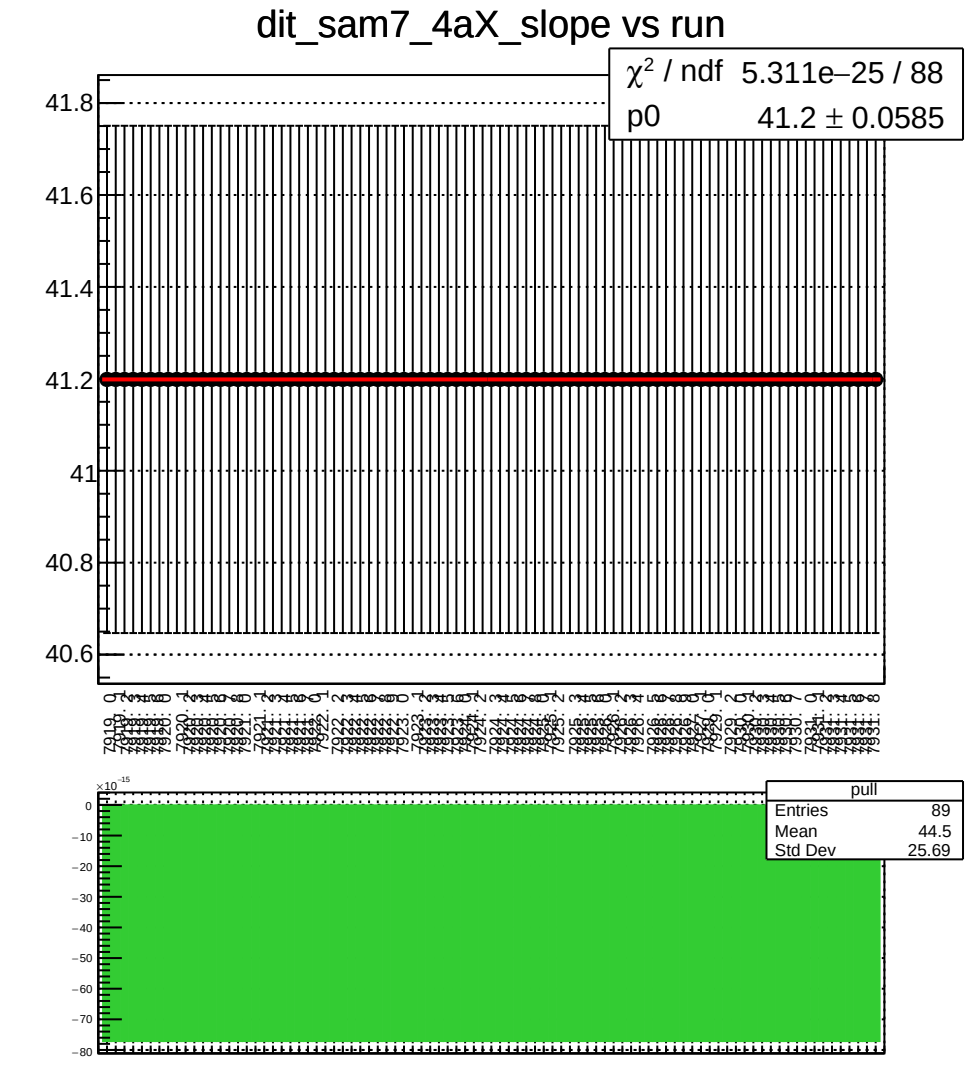
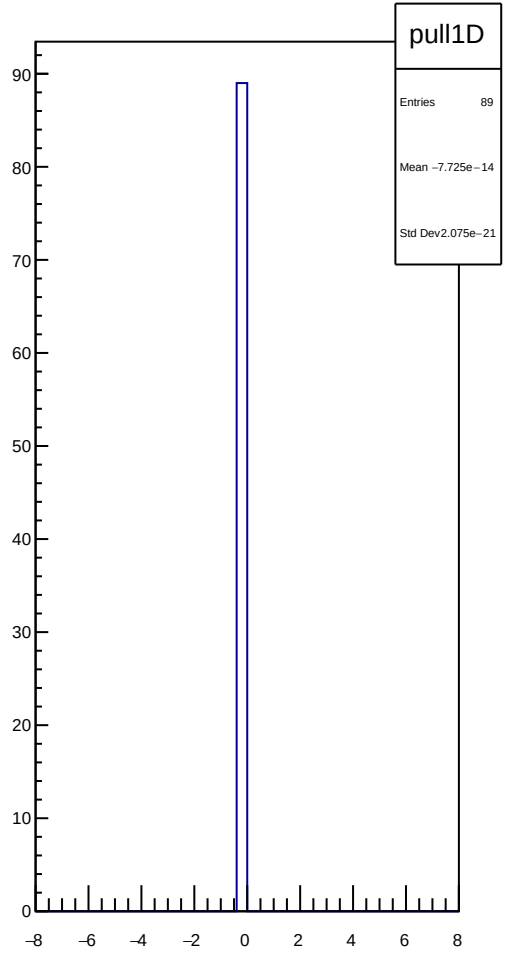
−6
−4
−2
0
2
4
6
8


dit_sam7_4aX_slope vs run
χ^2 / ndf 5.311e−25 / 88
p0 41.2 ± 0.0585
41.8
41.6
41.4
41.2
41
40.8
40.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80


pull1D
Entries 89
Mean −7.725e−14
Std Dev2.075e−21
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80
70
60
50
40
30
20
10
0
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−6
−4
−2
0
2
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6
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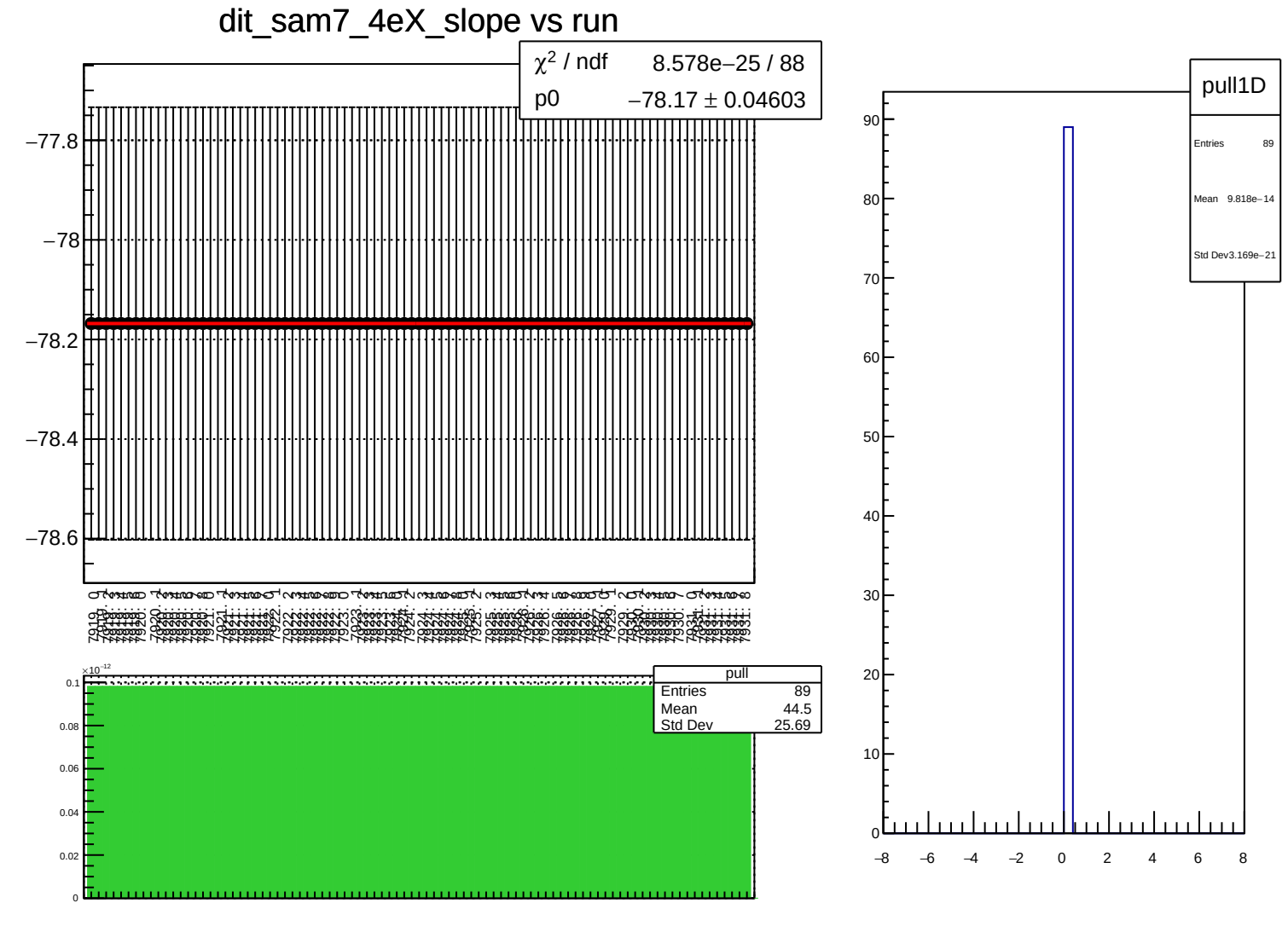
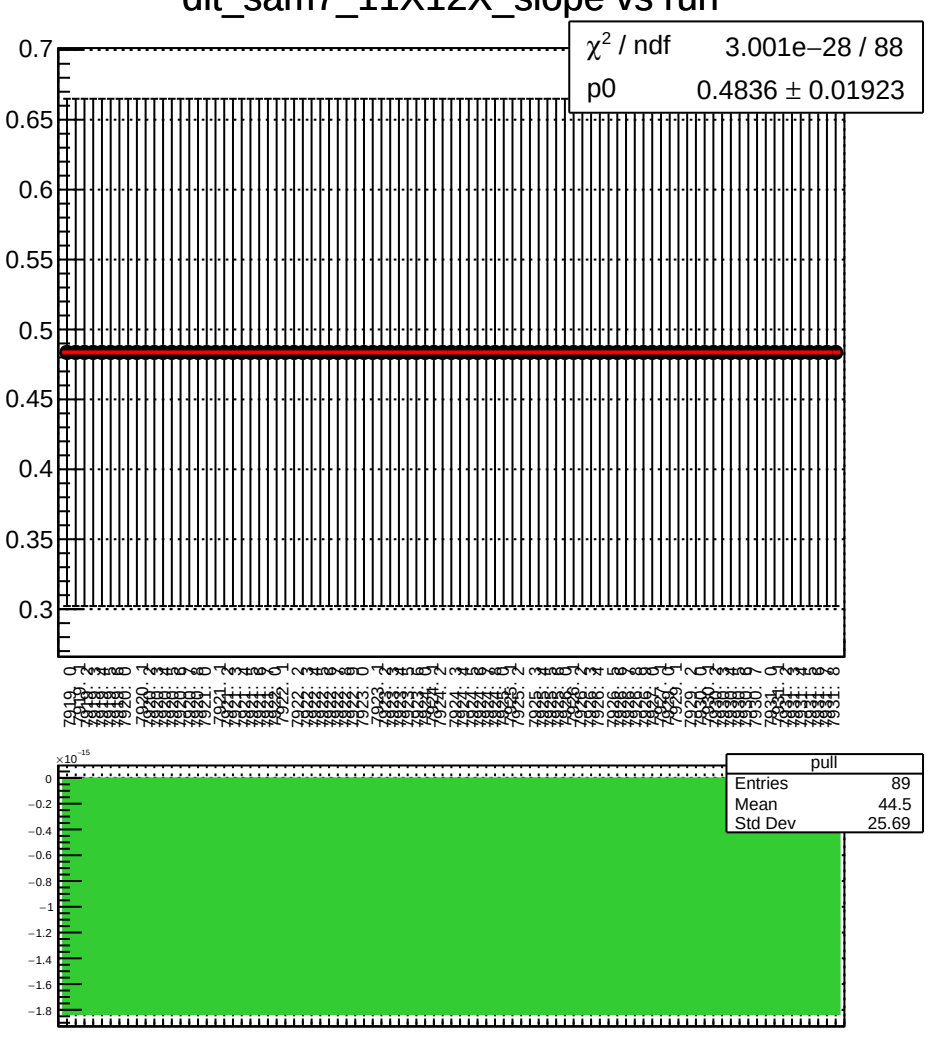
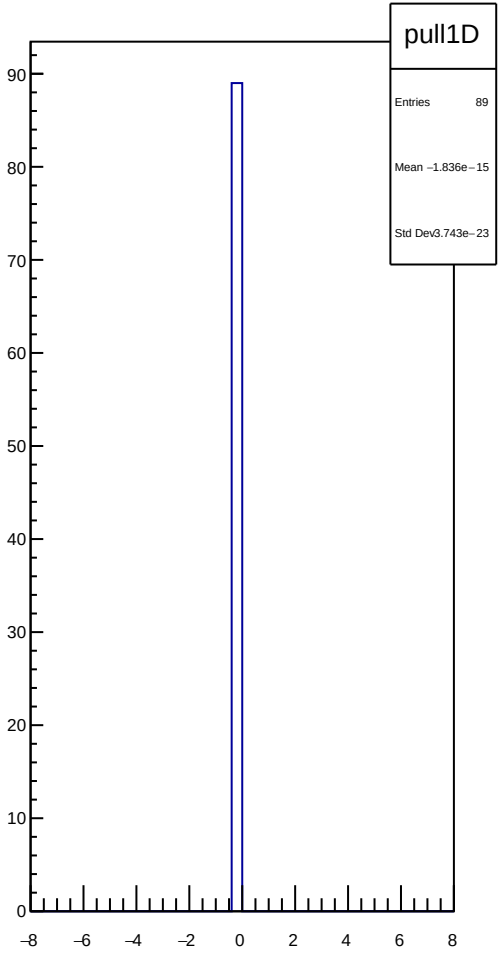
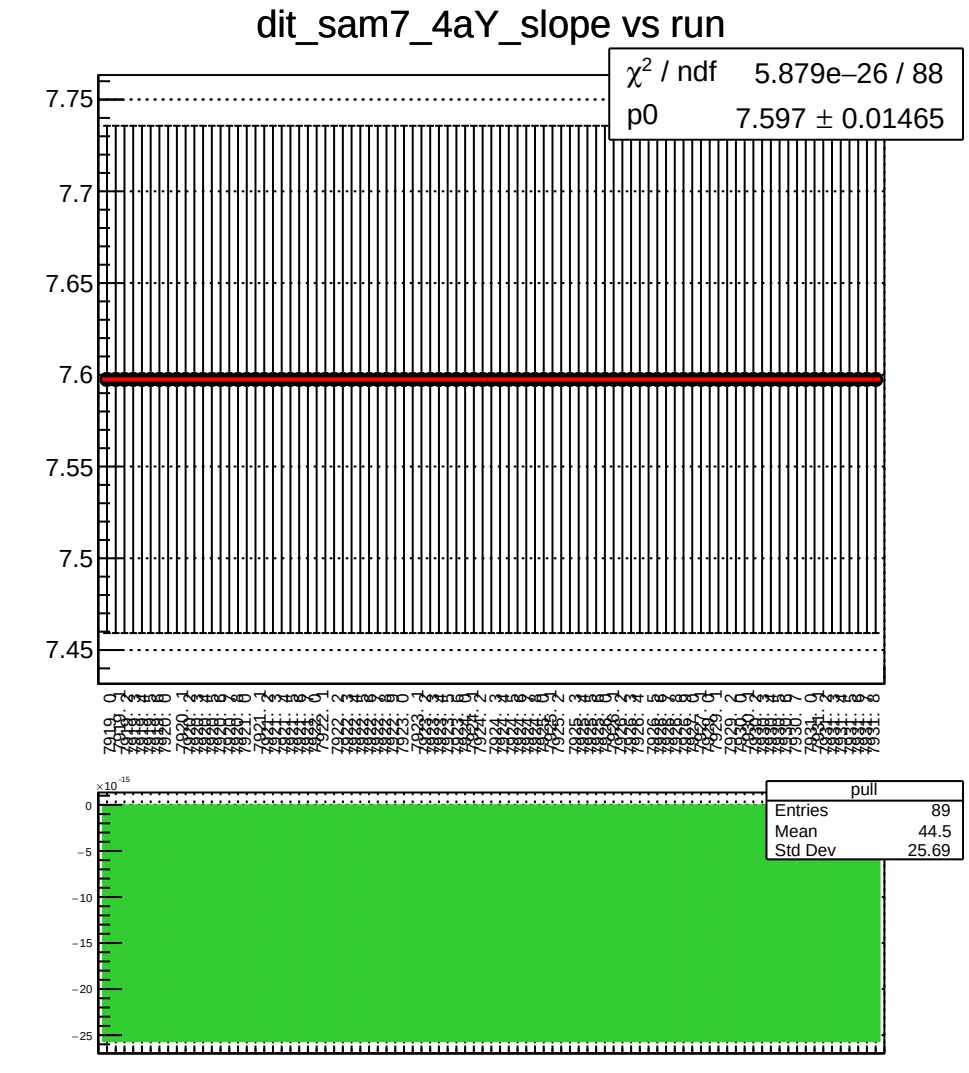
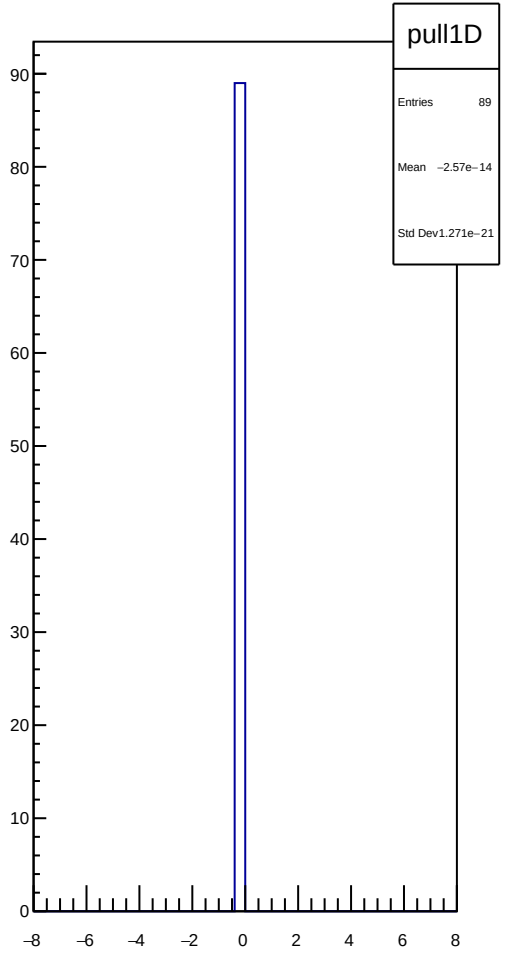

dit_sam7_4eX_slope vs run
χ² / ndf 8.578e−25 / 88
p0 −78.17 ± 0.04603
−77.8
−78
−78.2
−78.4
−78.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 89
Mean 9.818e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_11X12X_slope vs run
χ² / ndf 3.001e−28 / 88
p0 0.4836 ± 0.01923
pull
Entries 89
Mean 44.5
Std Dev 25.69


pull1D
Entries 89
Mean −1.836e−15
Std Dev 3.743e−23


dit_sam7_4aY_slope vs run
χ² / ndf 5.879e−26 / 88
p0 7.597 ± 0.01465
7.75
7.7
7.65
7.6
7.55
7.5
7.45
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25


pull1D
Entries 89
Mean −2.57e−14
Std Dev1.271e−21
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80
70
60
50
40
30
20
10
0
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−6
−4
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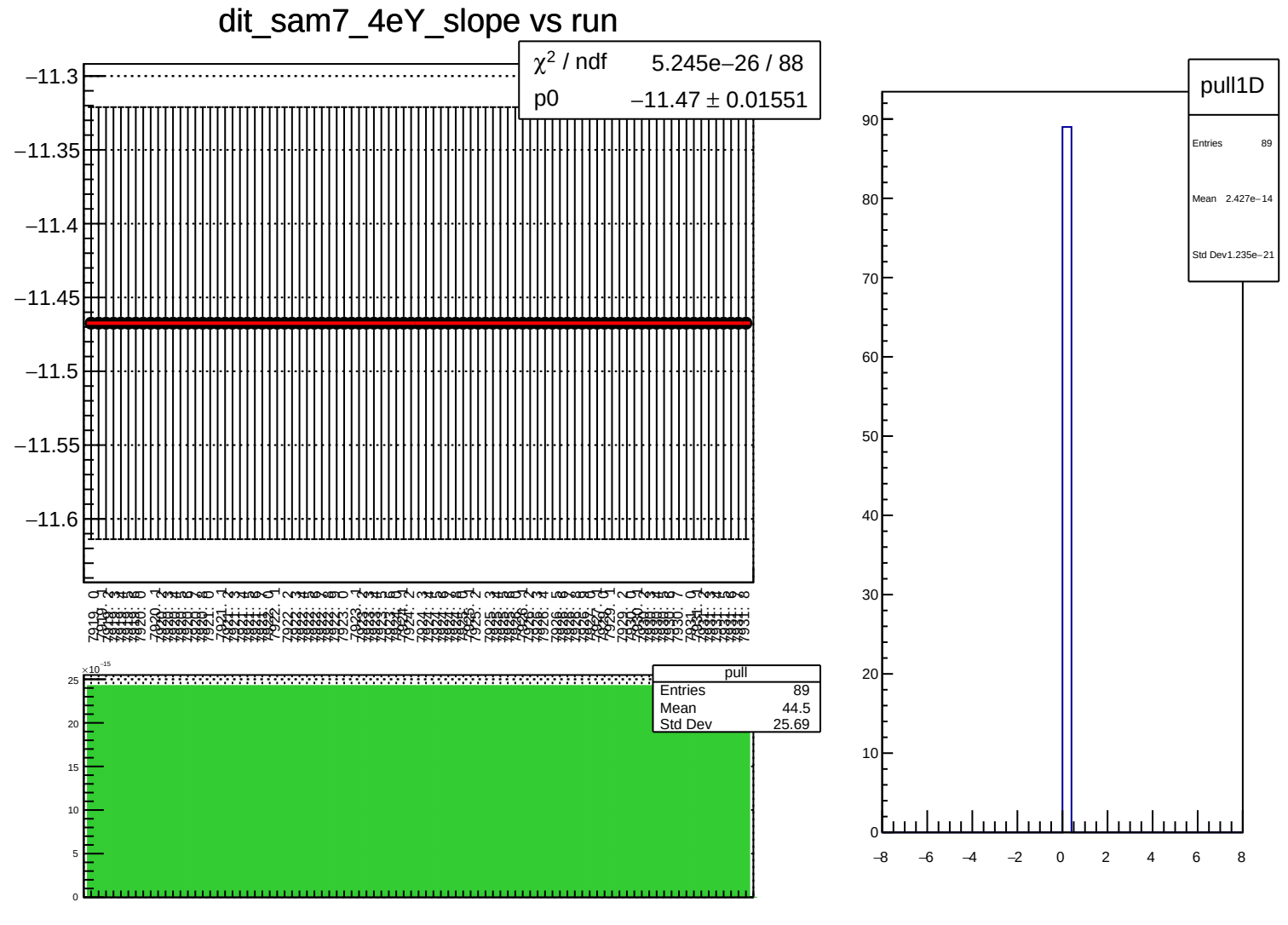
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 5.245e−26 / 88
p0 −11.47 ± 0.01551
−11.3
−11.35
−11.4
−11.45
−11.5
−11.55
−11.6
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 89
Mean 2.427e−14
Std Dev 1.235e−21
90
80
70
60
50
40
30
20
10
0
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−6
−4
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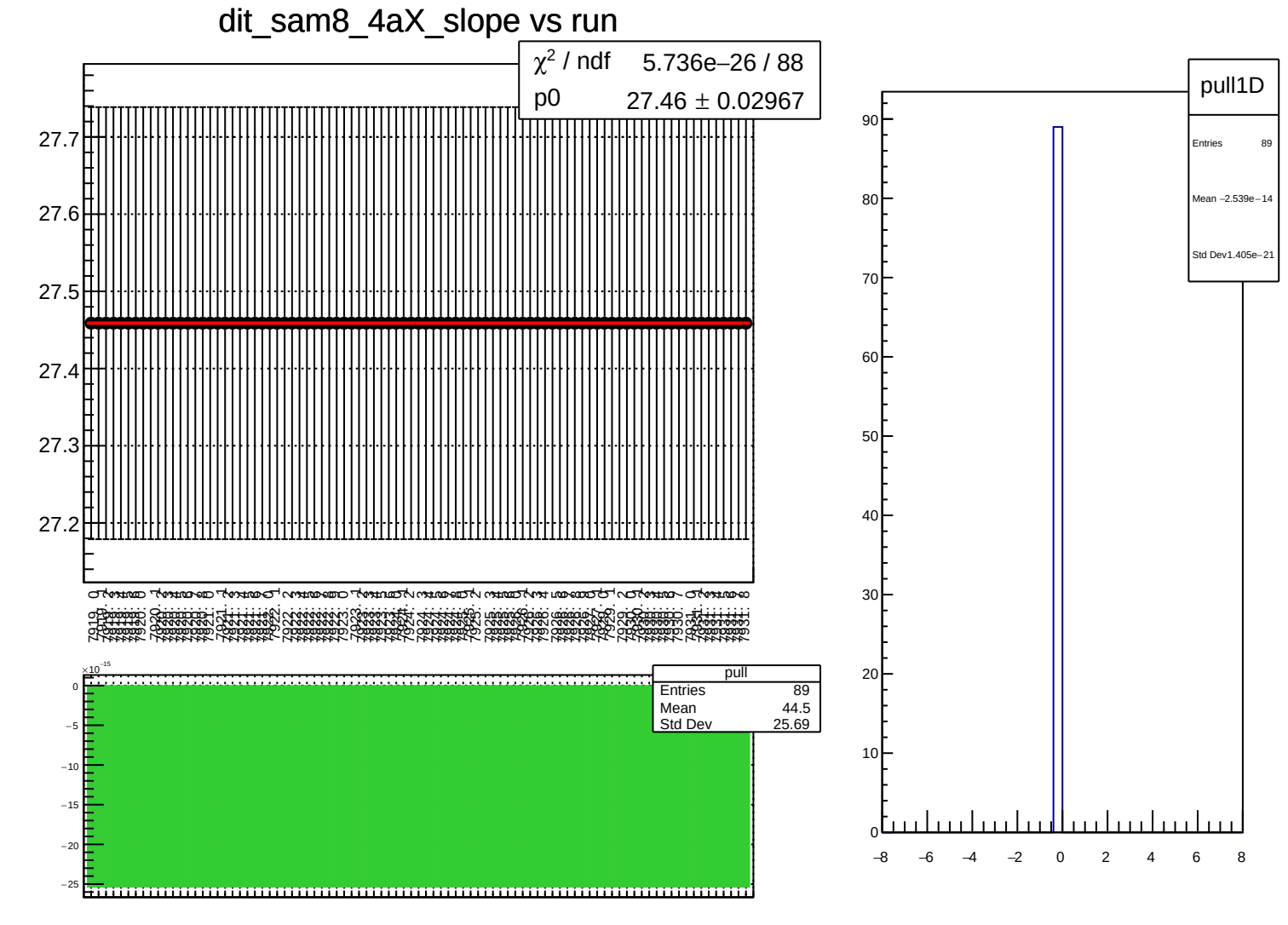
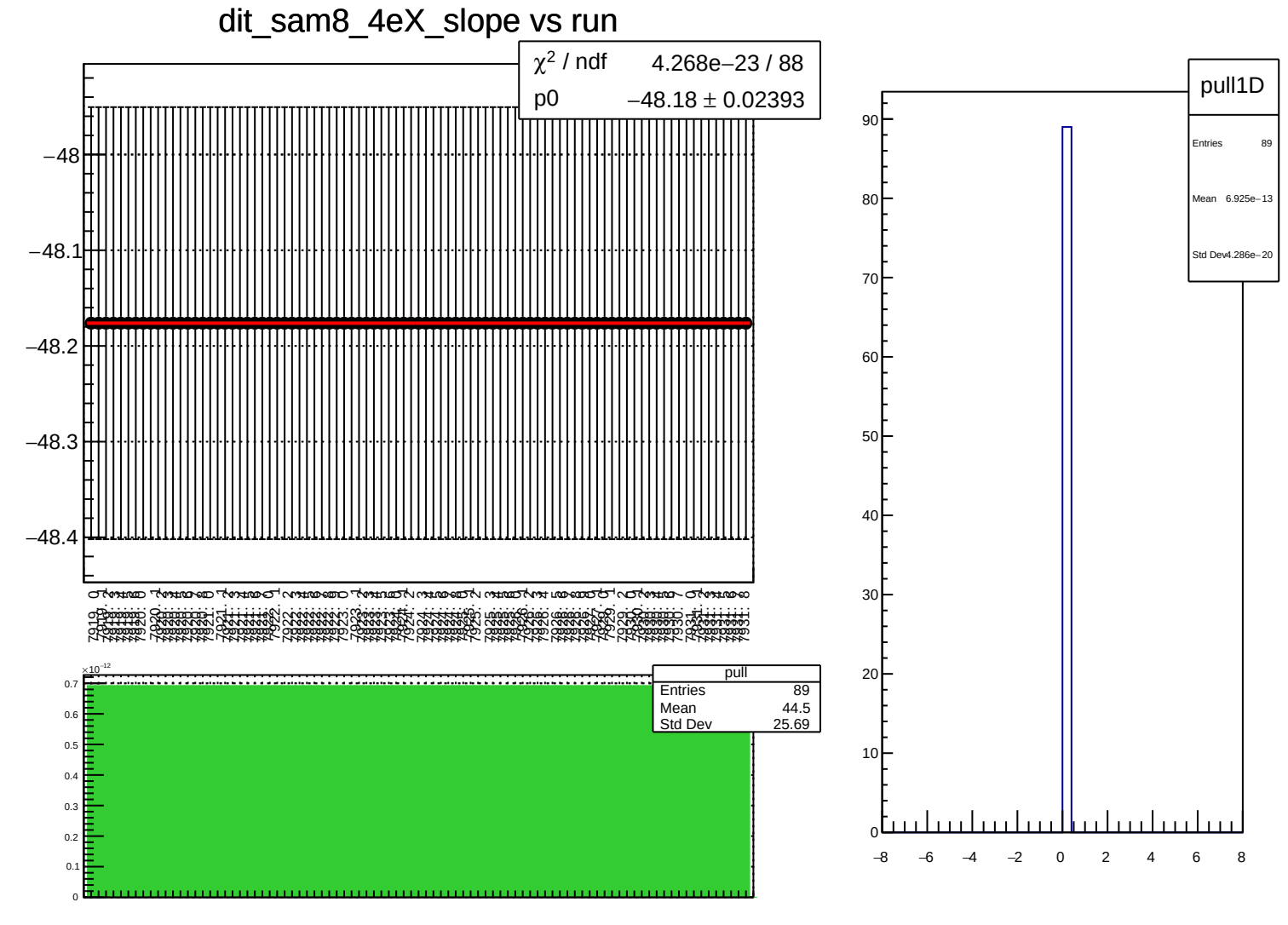
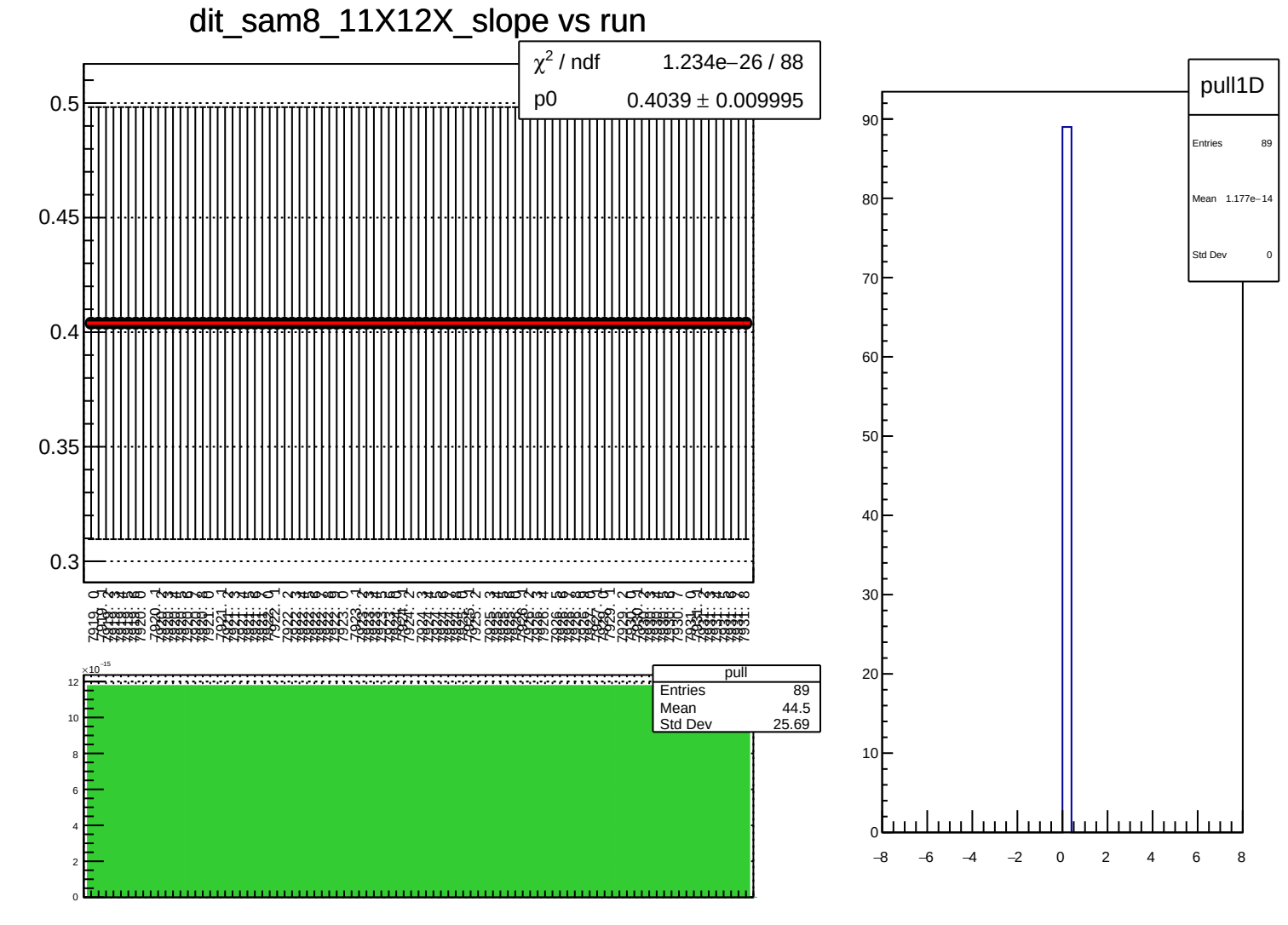
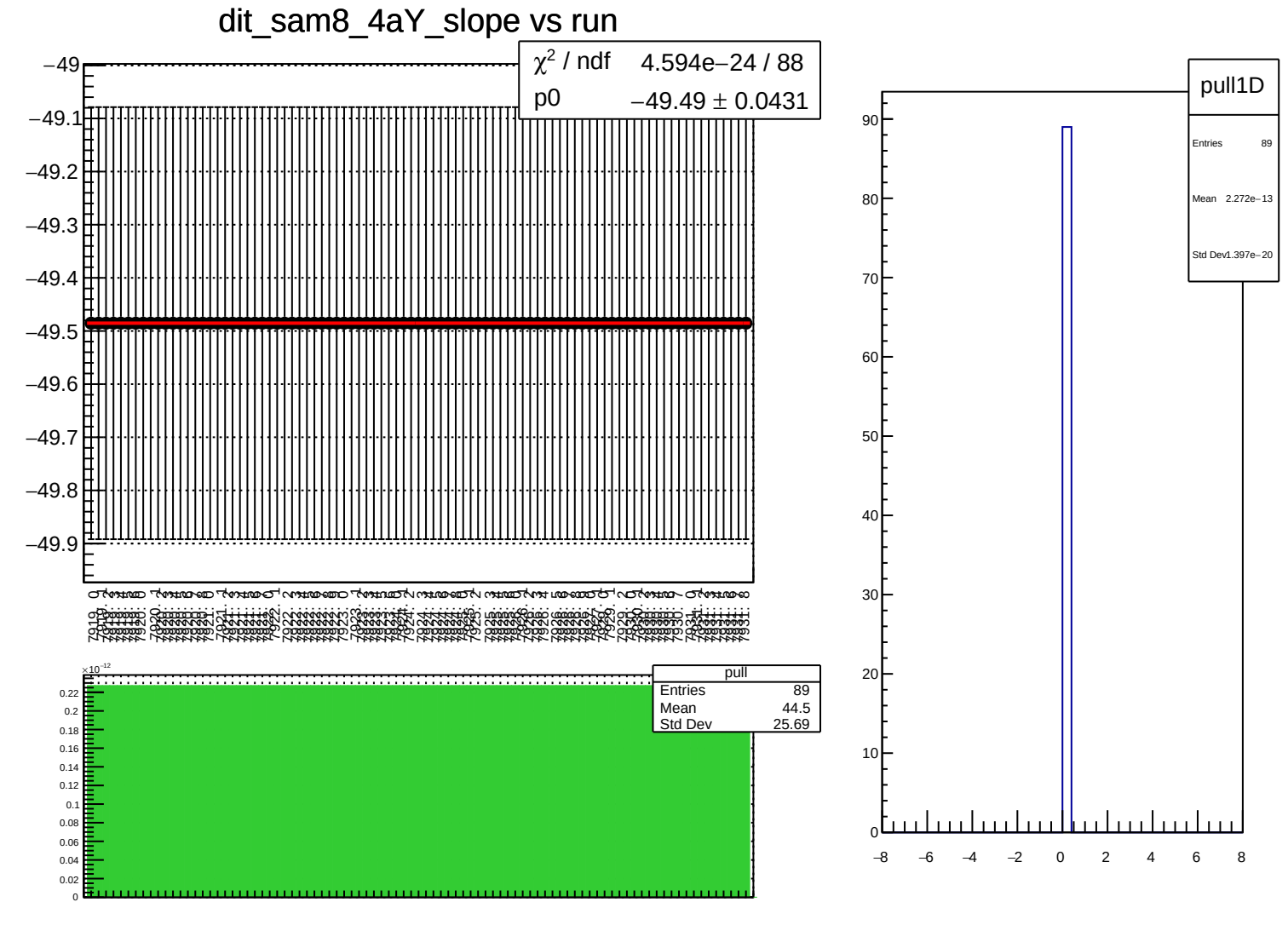
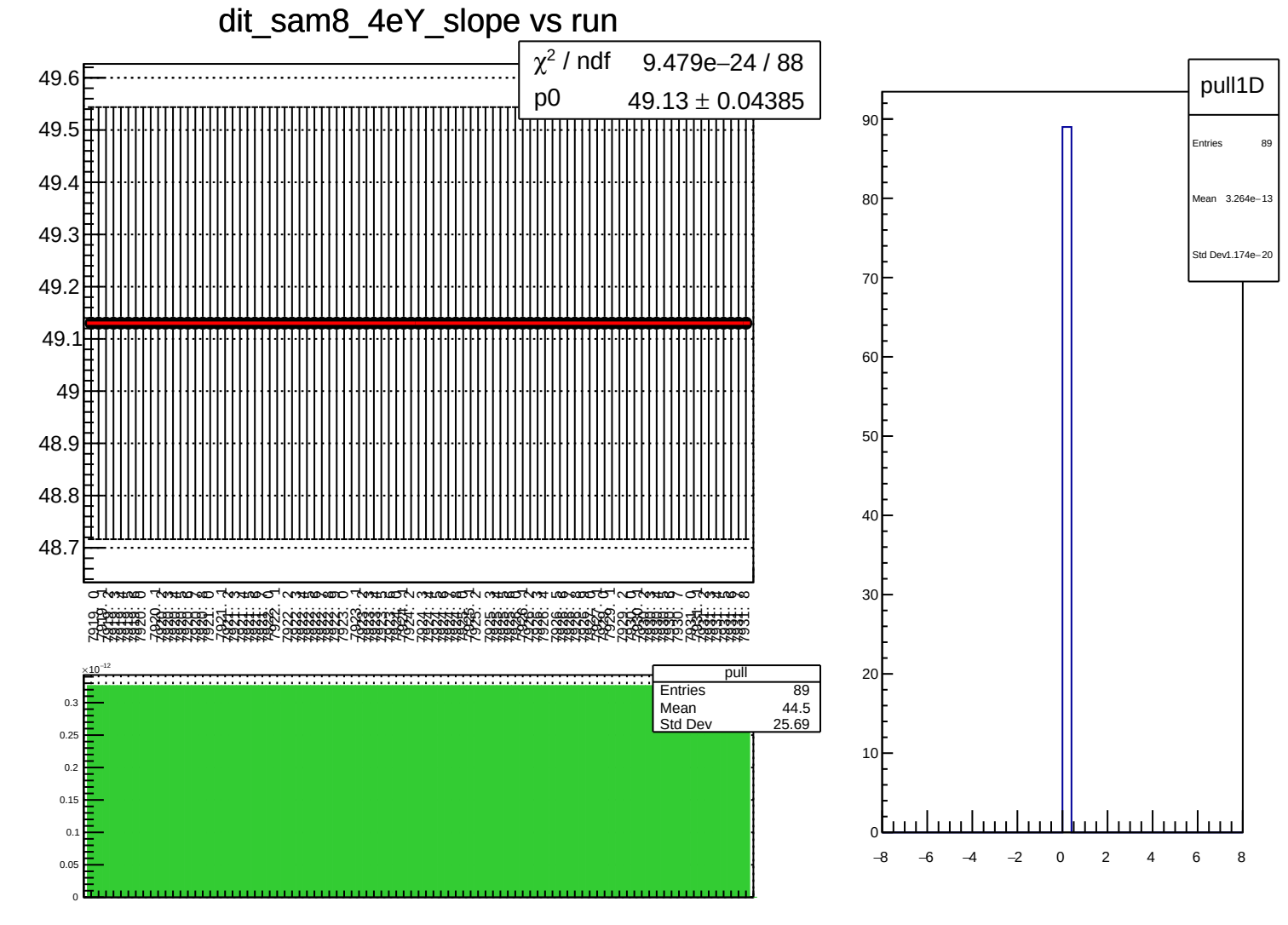
2
4
6
8


dit_sam8_4aX_slope vs run
χ² / ndf 5.736e−26 / 88
p0 27.46 ± 0.02967
27.7
27.6
27.5
27.4
27.3
27.2
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 89
Mean −2.539e−14
Std Dev1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 4.268e−23 / 88
p0 −48.18 ± 0.02393
−48
−48.1
−48.2
−48.3
−48.4
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 89
Mean 6.925e−13
Std Dev 4.286e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 1.234e−26 / 88
p0 0.4039 ± 0.009995
0.5
0.45
0.4
0.35
0.3
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 1.177e−14
Std Dev 0


dit_sam8_4aY_slope vs run
χ² / ndf 4.594e−24 / 88
p0 −49.49 ± 0.0431
pull
Entries 89
Mean 44.5
Std Dev 25.69
pull1D
Entries 89
Mean 2.272e−13
Std Dev1.397e−20


dit_sam8_4eY_slope vs run
χ^2 / ndf 9.479e−24 / 88
p0 49.13 ± 0.04385
49.6
49.5
49.4
49.3
49.2
49.1
49
48.9
48.8
48.7
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 89
Mean 3.264e−13
Std Dev1.174e−20
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80
70
60
50
40
30
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2
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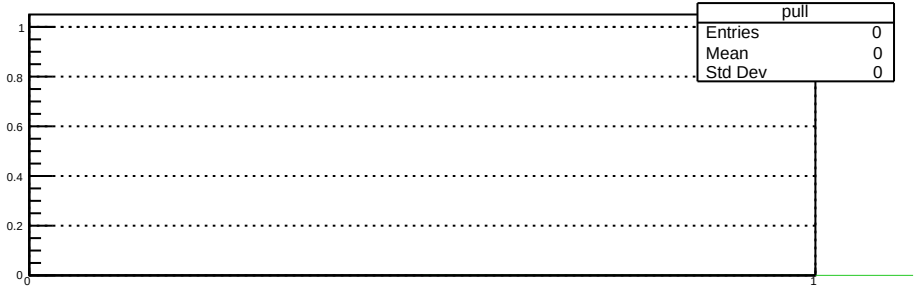
6
8


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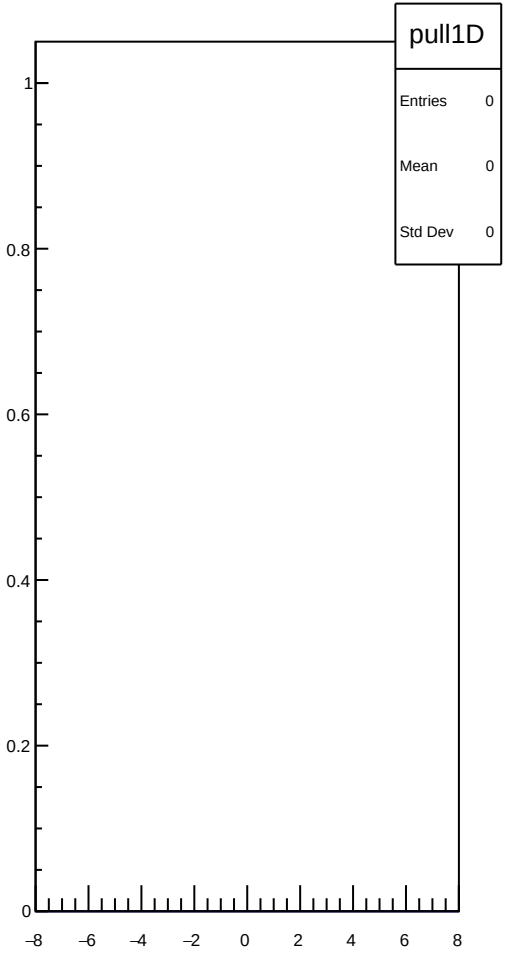
0.6
0.4
0.2
0
0
1


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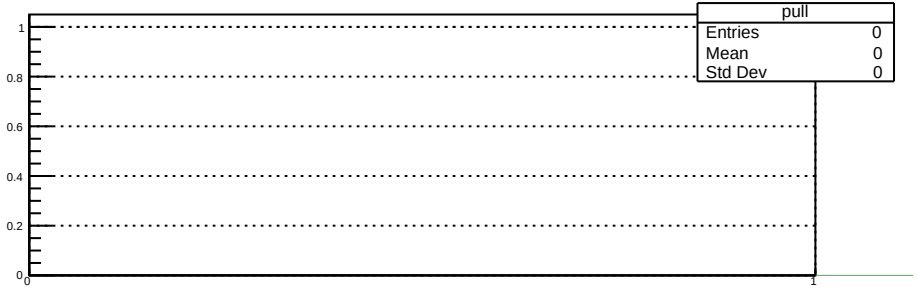
pull
Entries 0
Mean 0
Std Dev 0
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0.4
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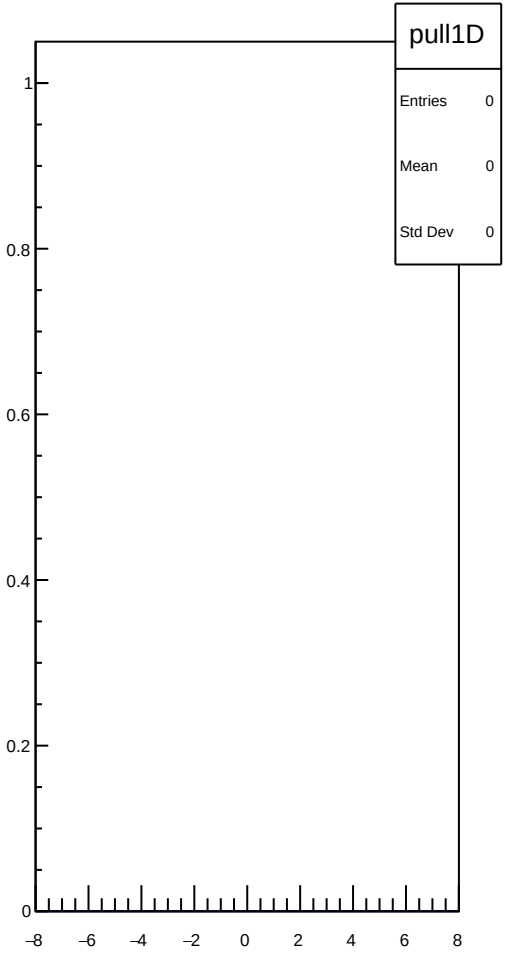
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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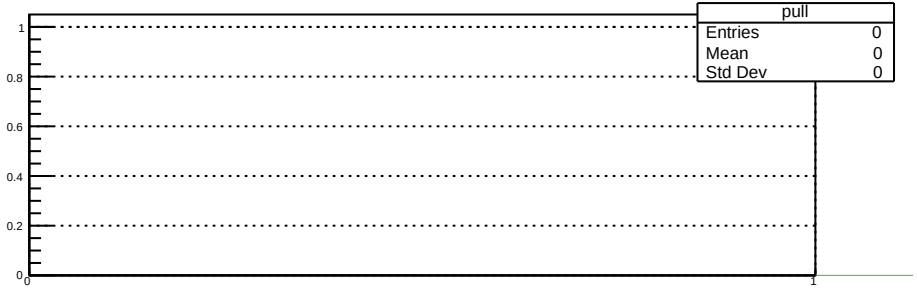
pull
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Std Dev 0
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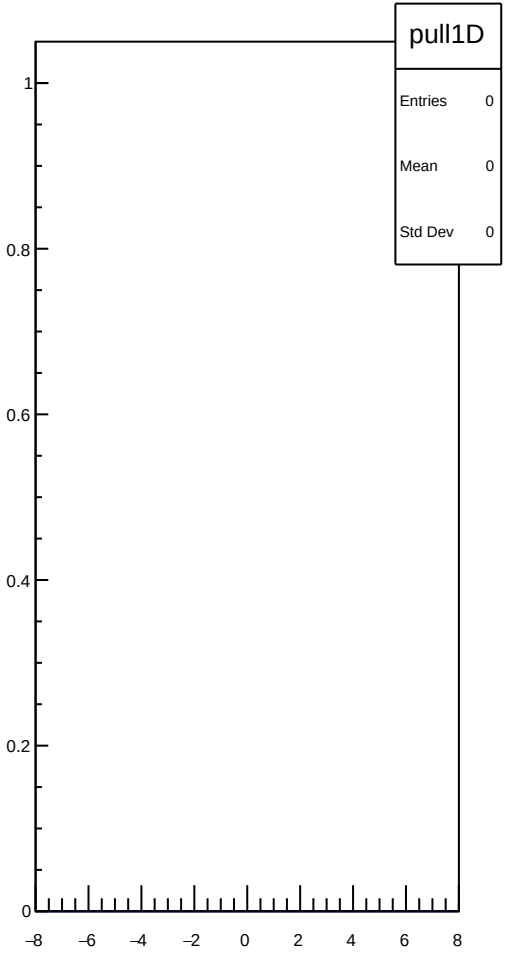
pull1D
Entries 0
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Std Dev 0
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6
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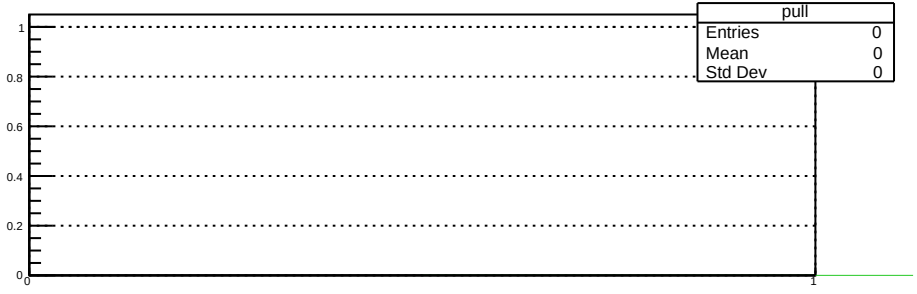
pull
Entries 0
Mean 0
Std Dev 0
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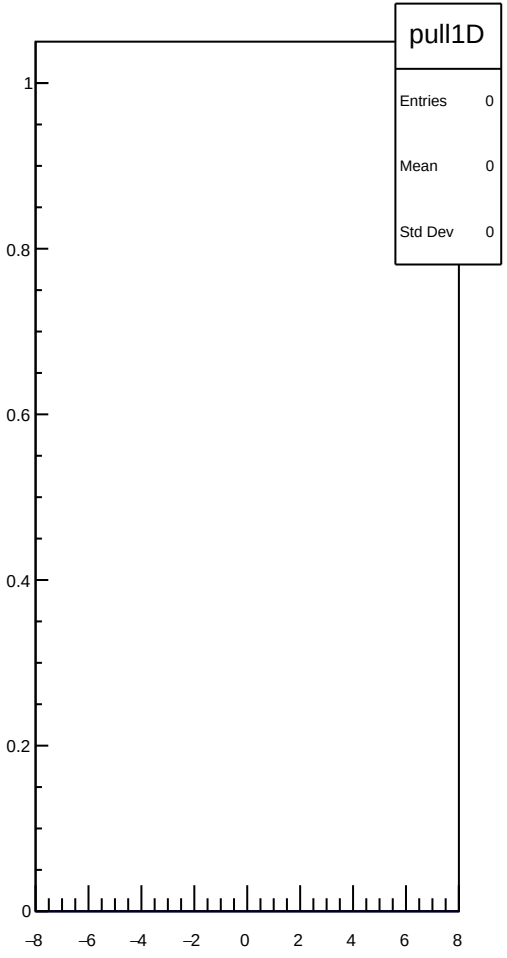
pull1D
Entries 0
Mean 0
Std Dev 0
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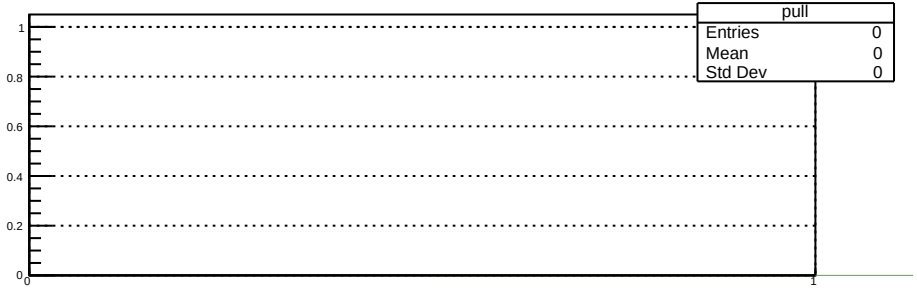
pull
Entries 0
Mean 0
Std Dev 0
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0.6
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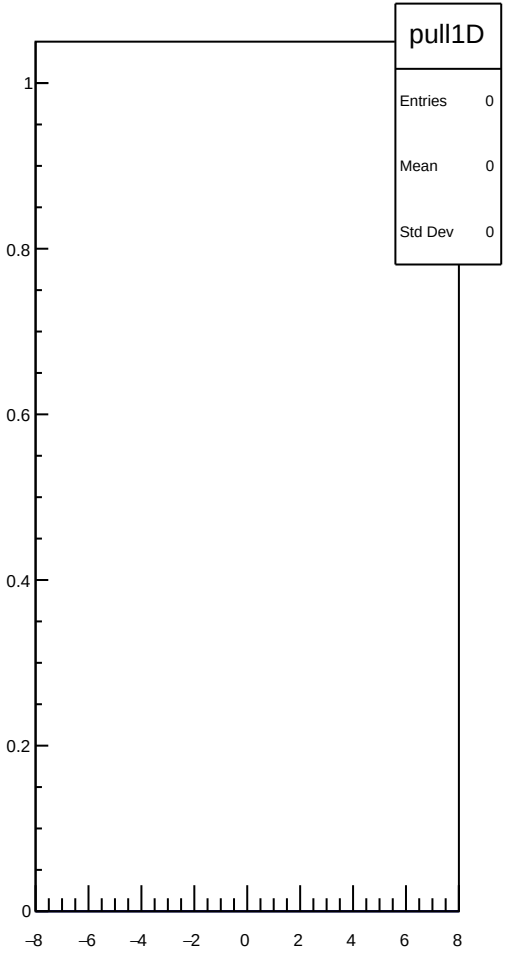
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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6
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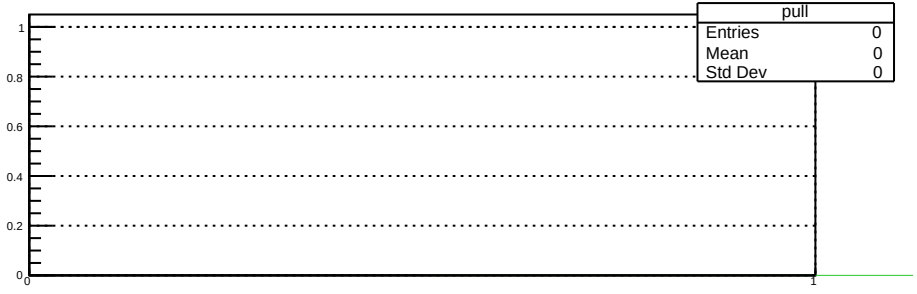
pull
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Std Dev 0
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0.6
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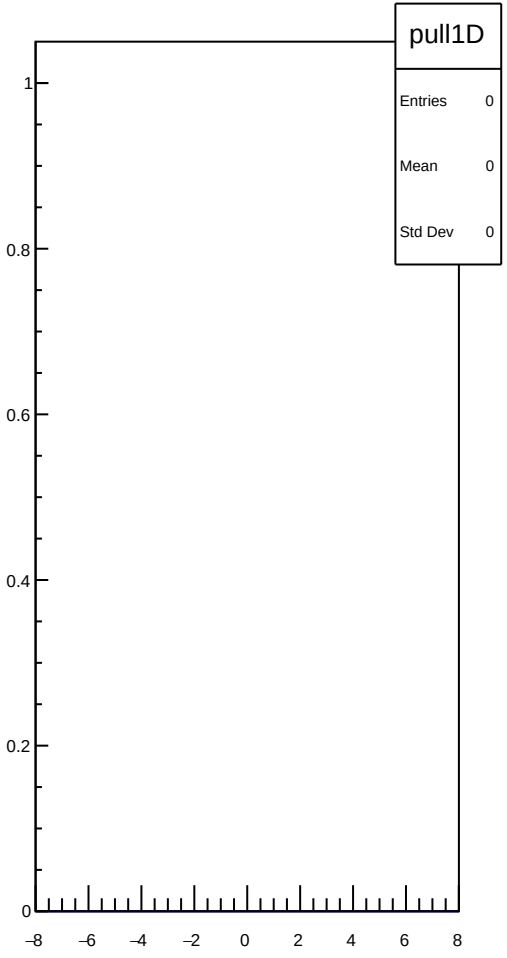
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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–4
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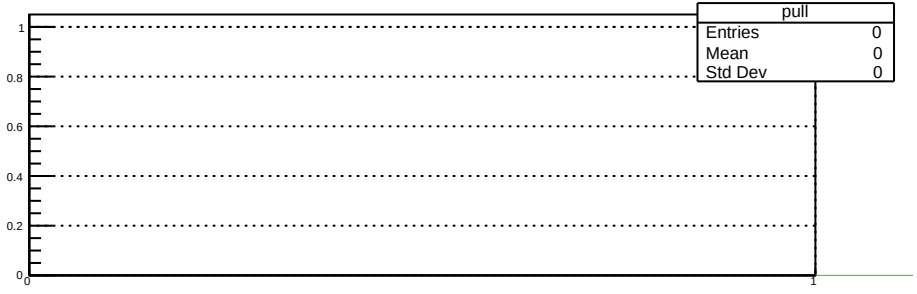
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.6
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0
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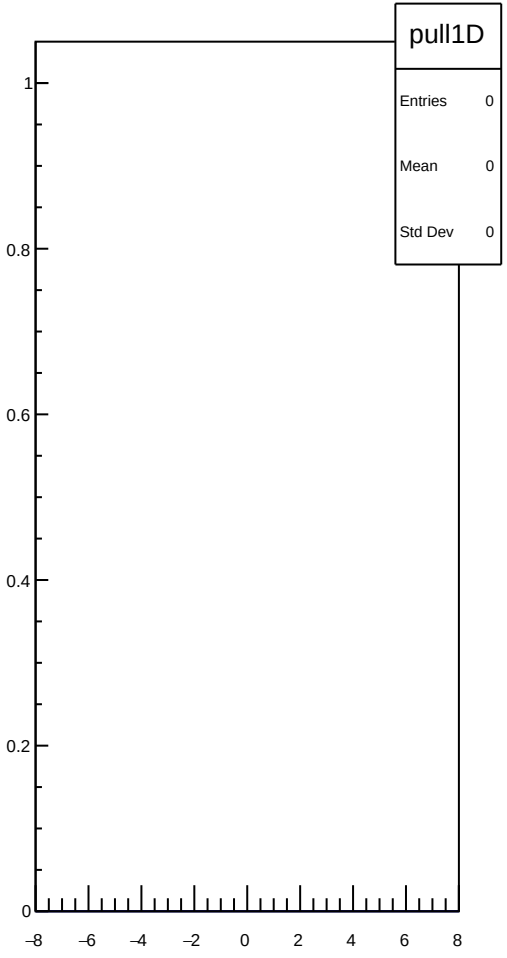
1


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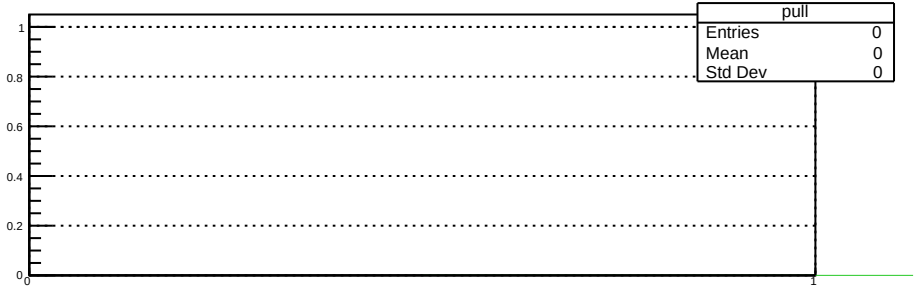
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
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0.6
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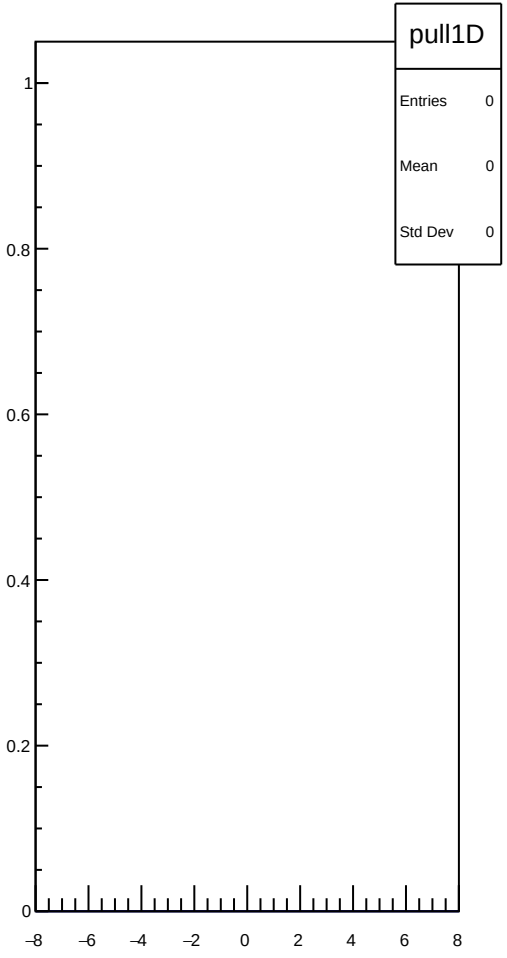
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–8
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2
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6
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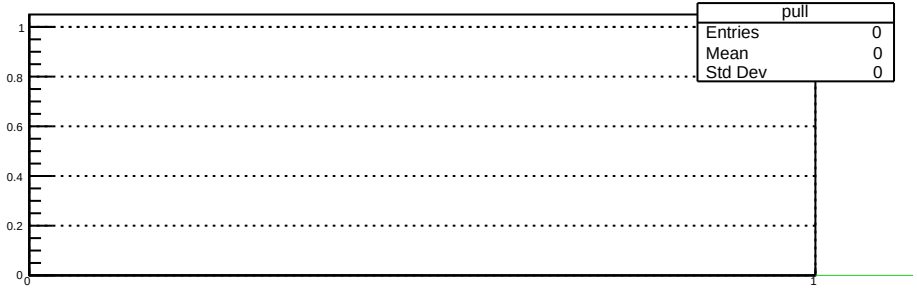
pull
Entries 0
Mean 0
Std Dev 0
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0.2
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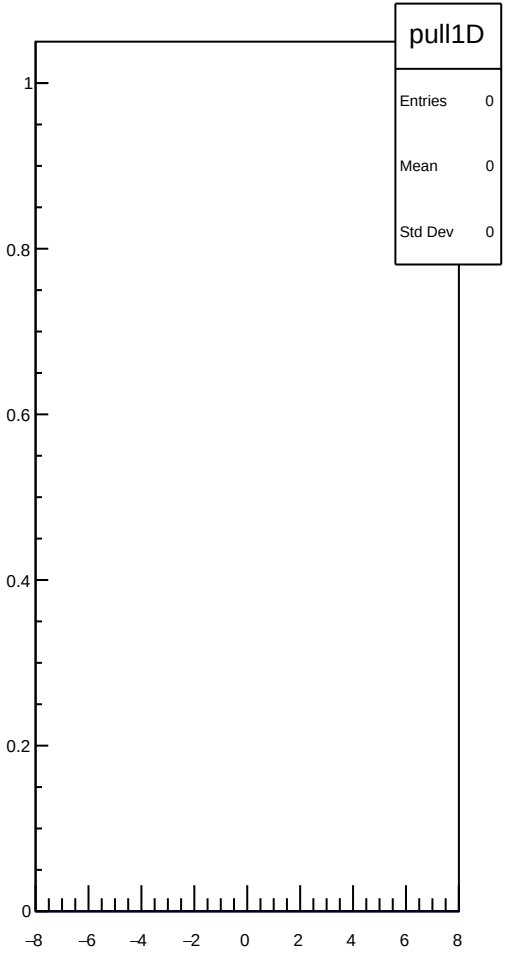
pull1D
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Mean 0
Std Dev 0
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0.6
0.4
0.2
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4
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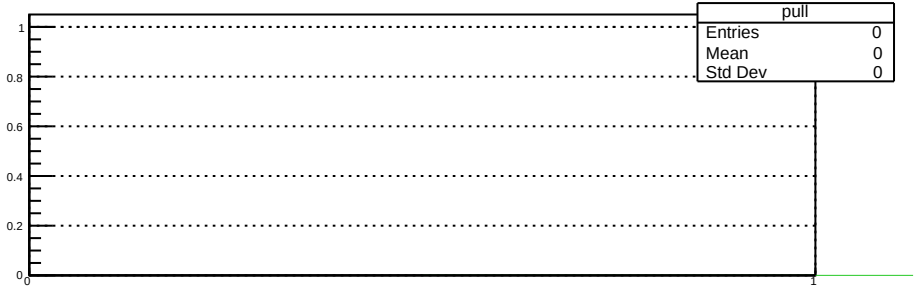
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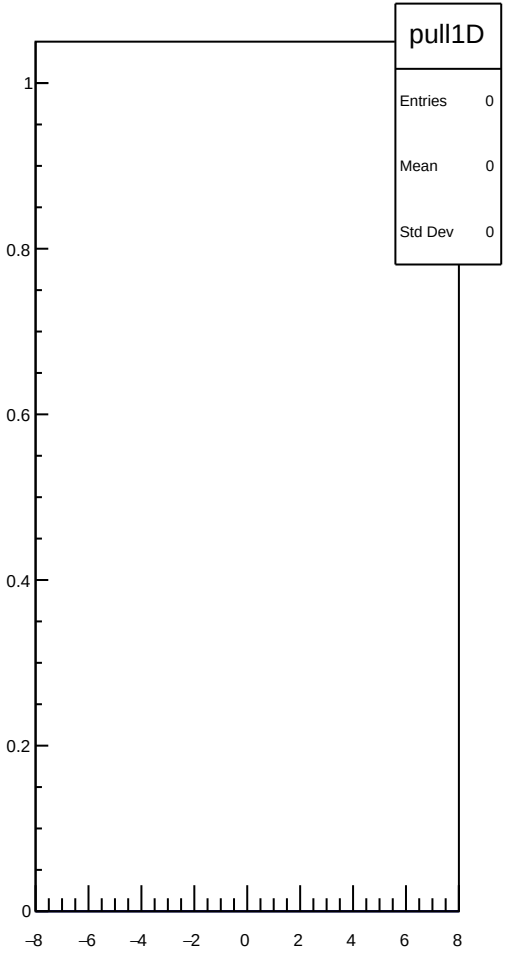
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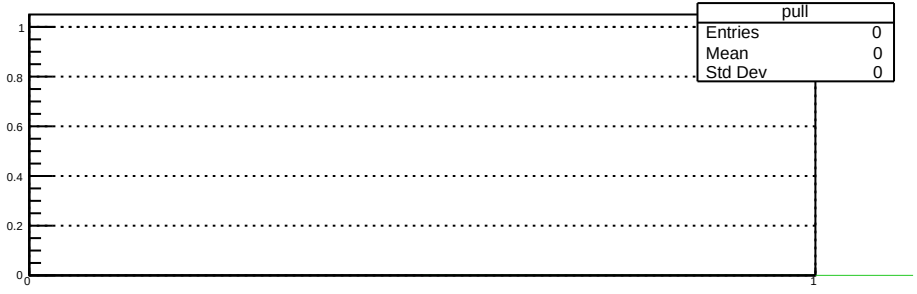
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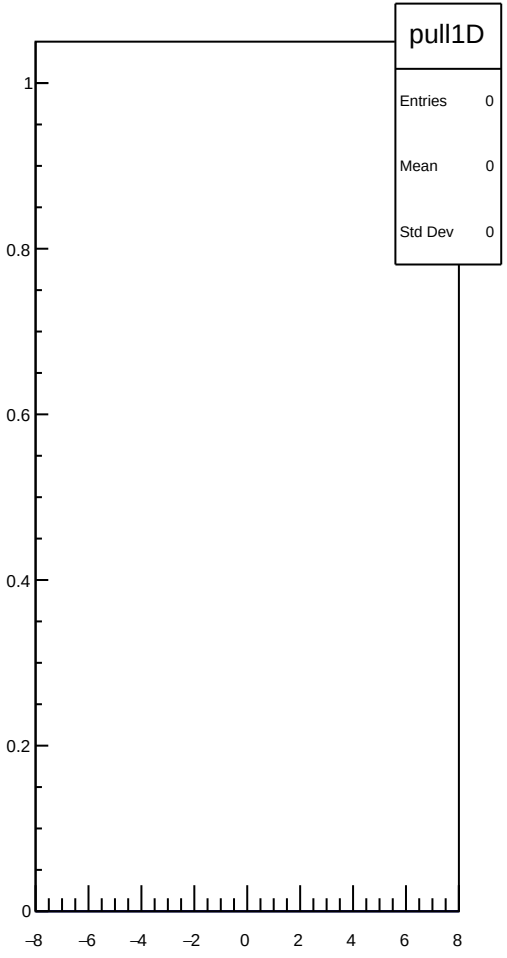
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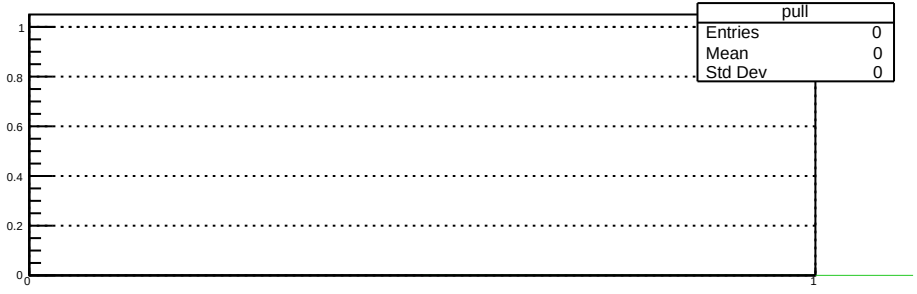
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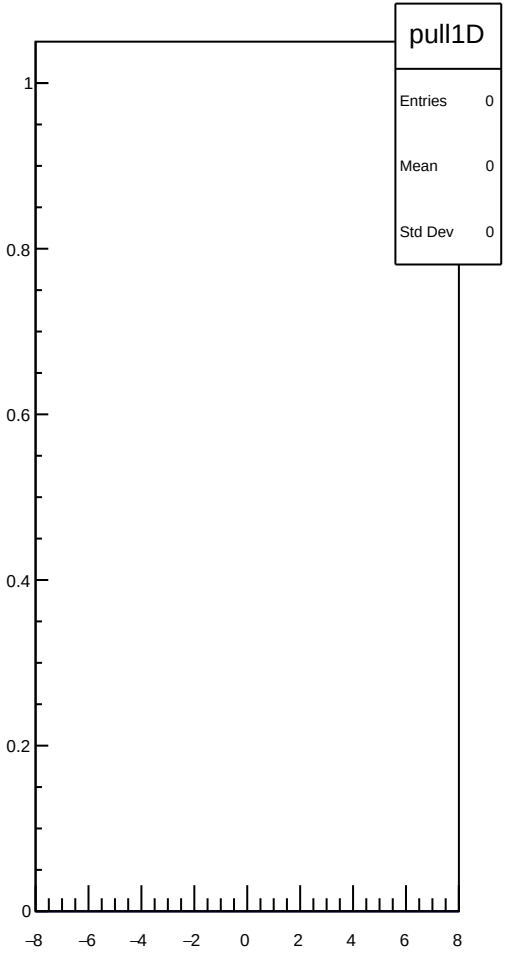
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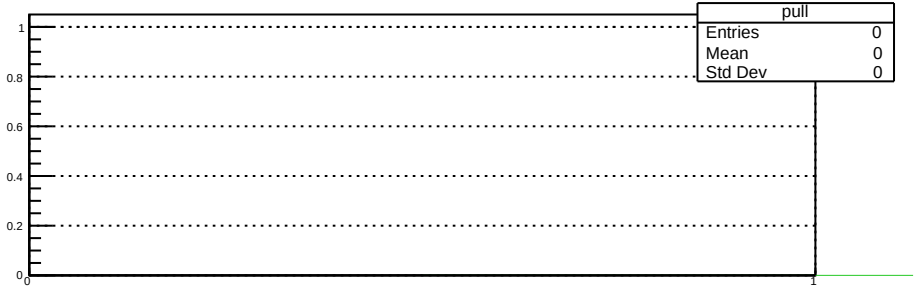
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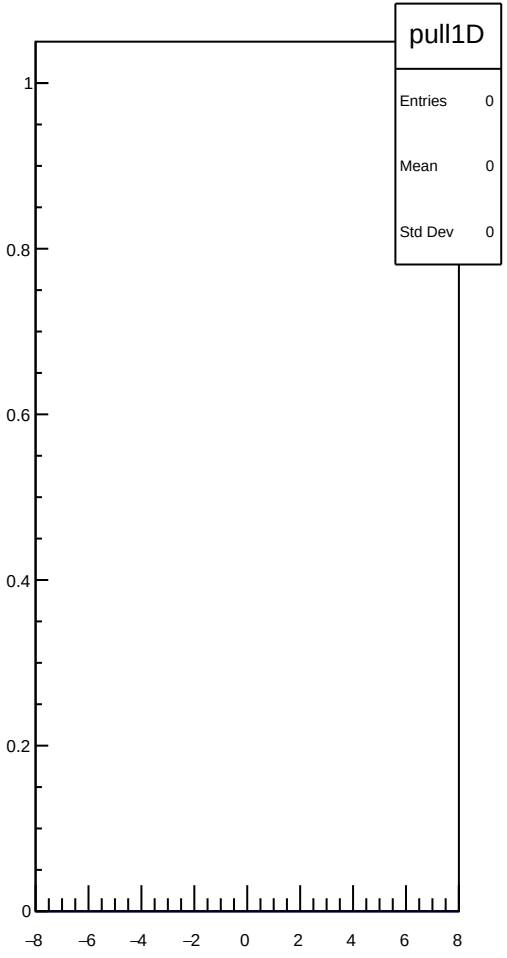
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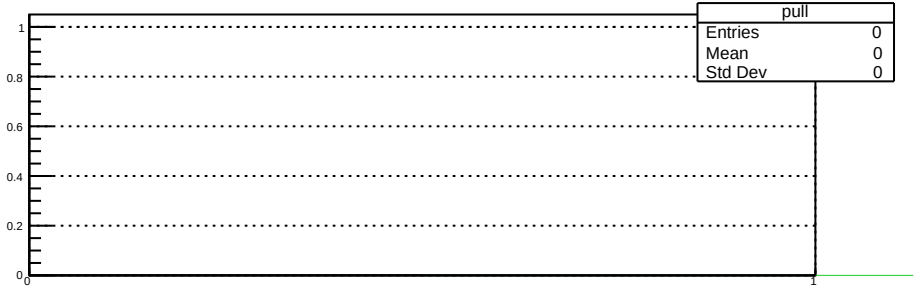
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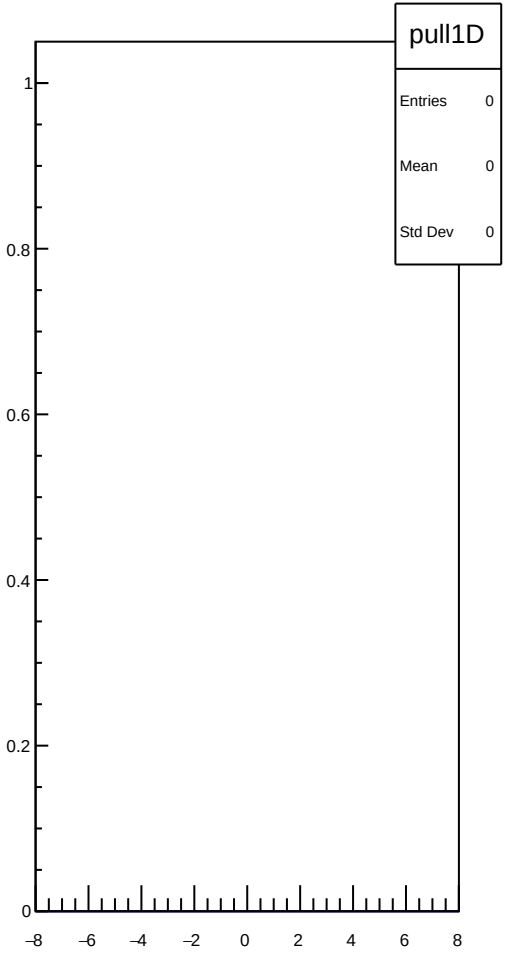
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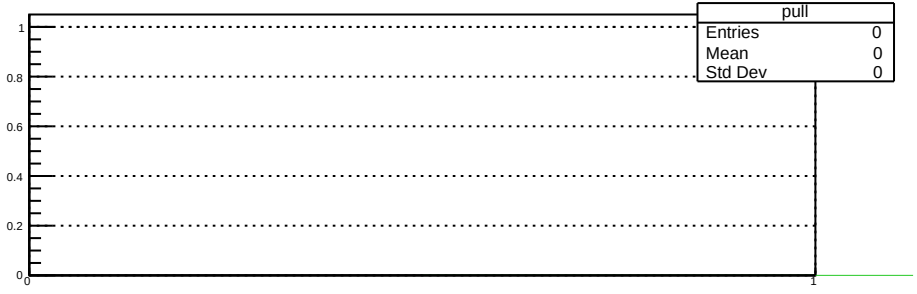
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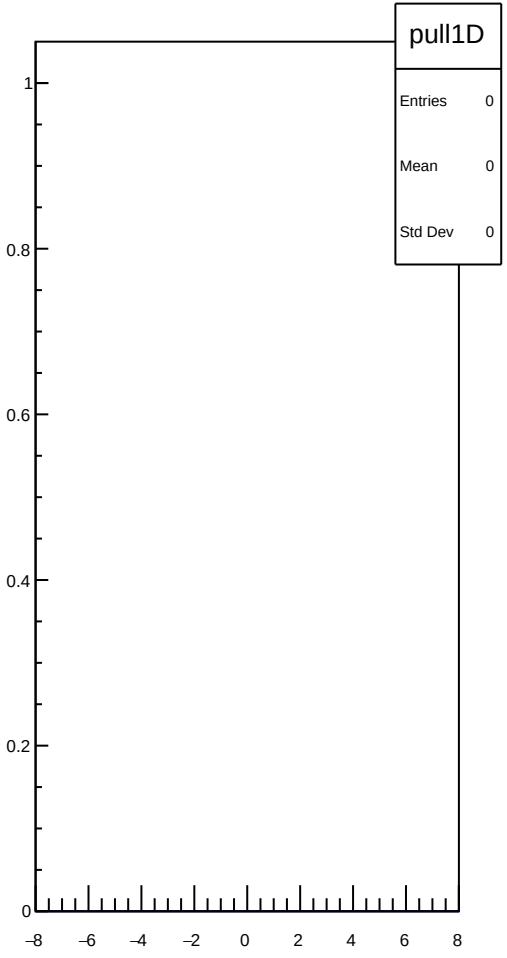
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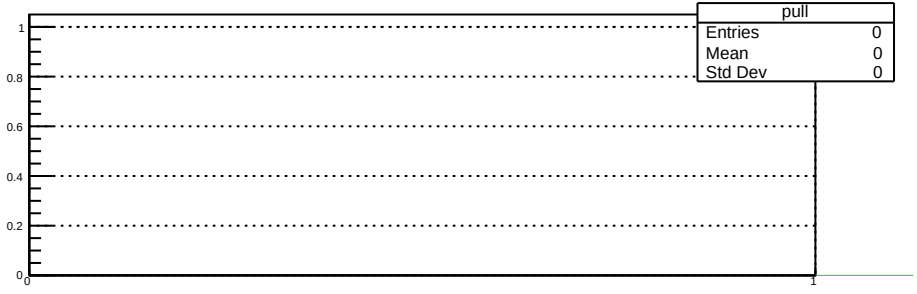
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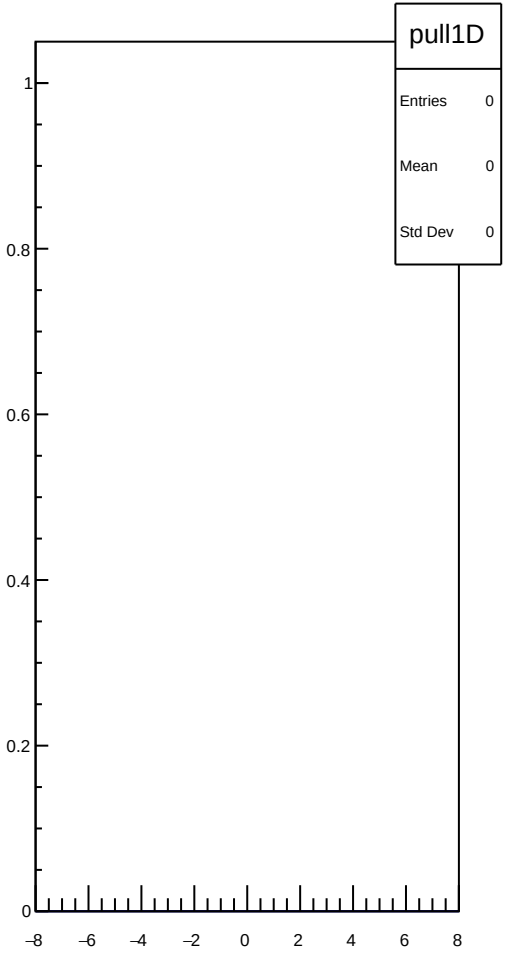
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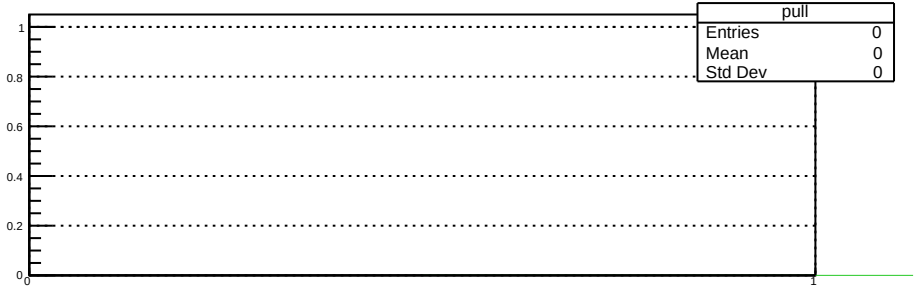
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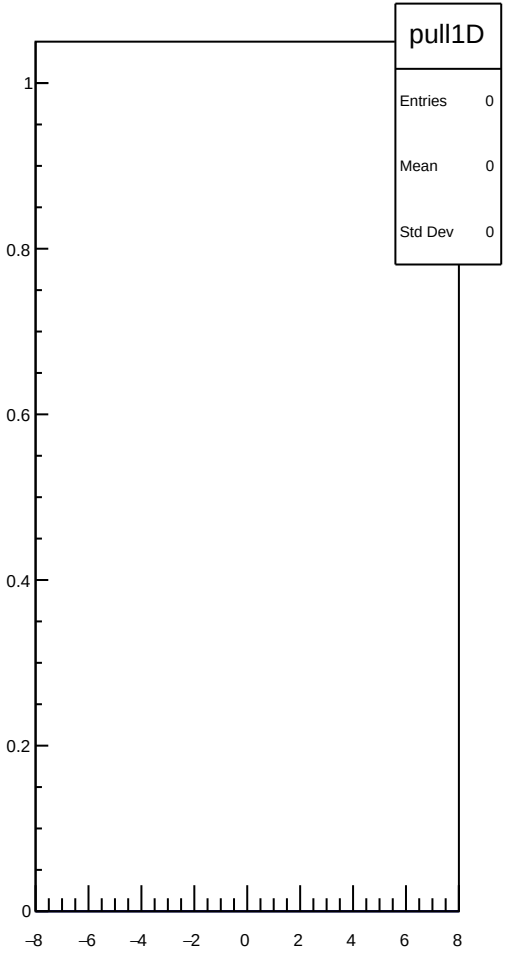
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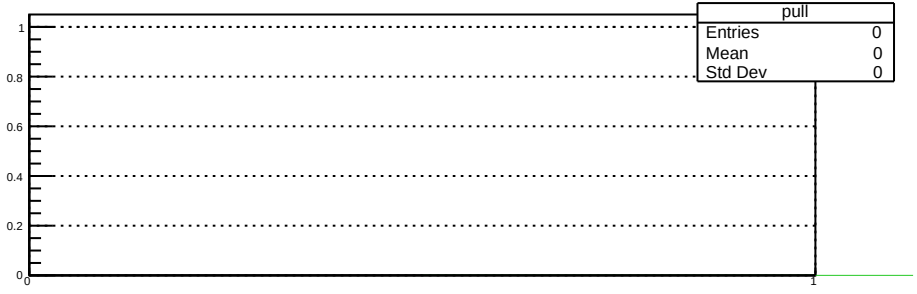
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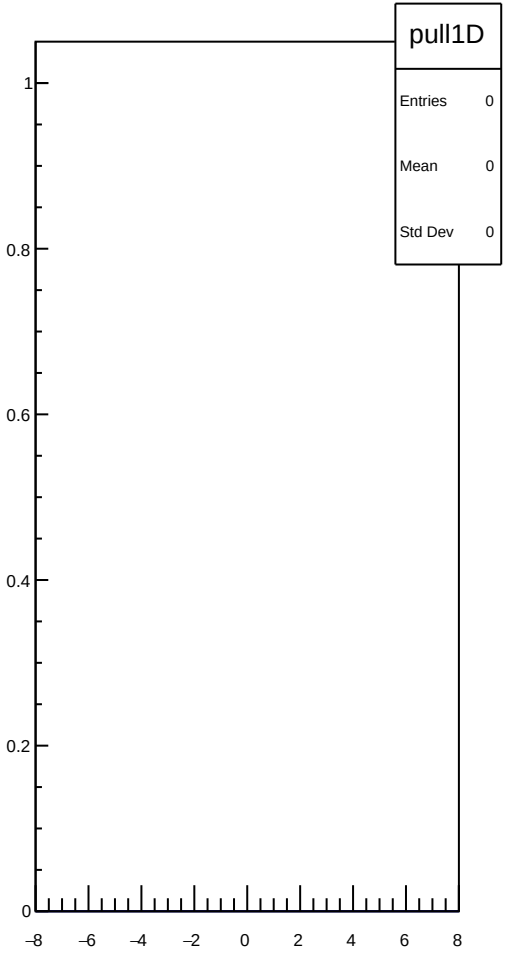
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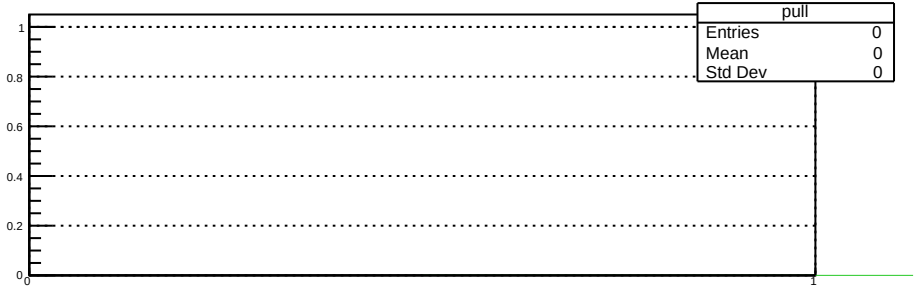
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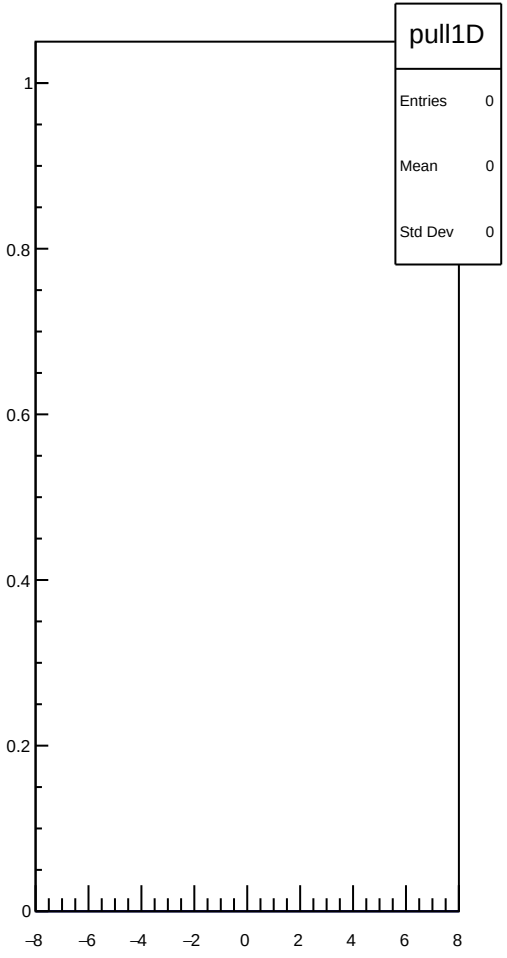
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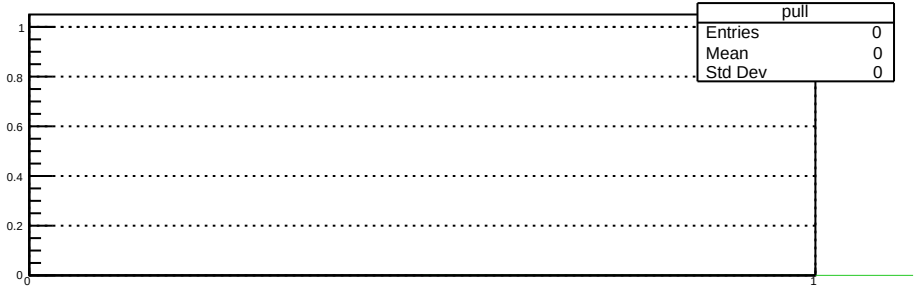
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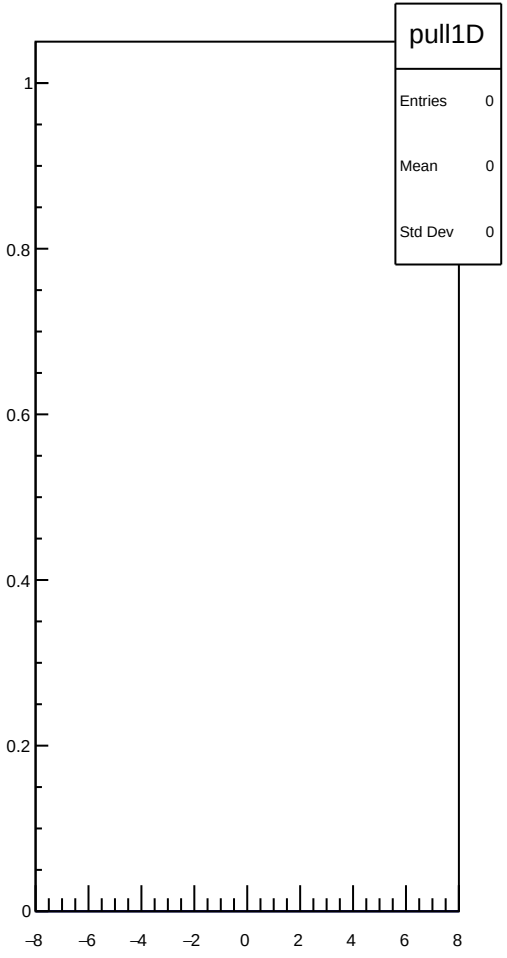
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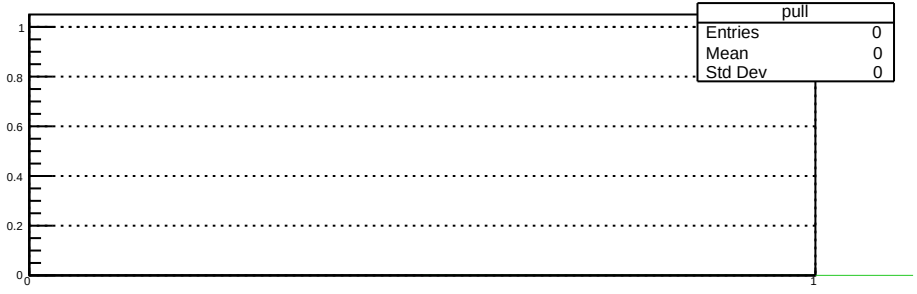
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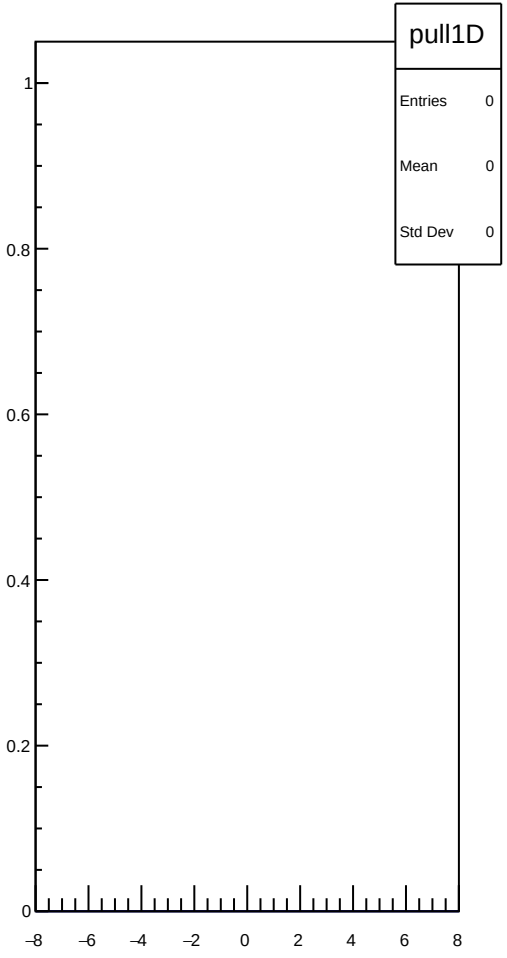
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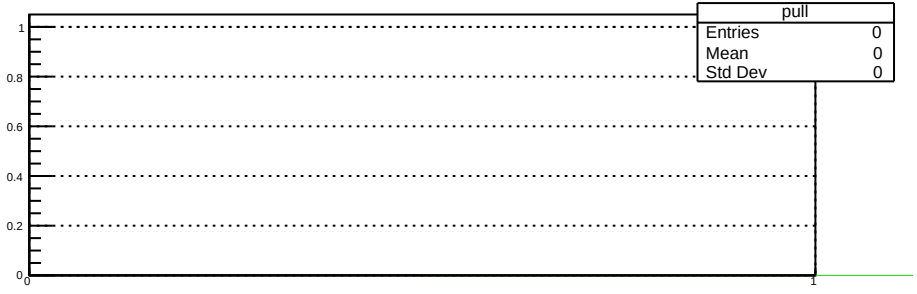
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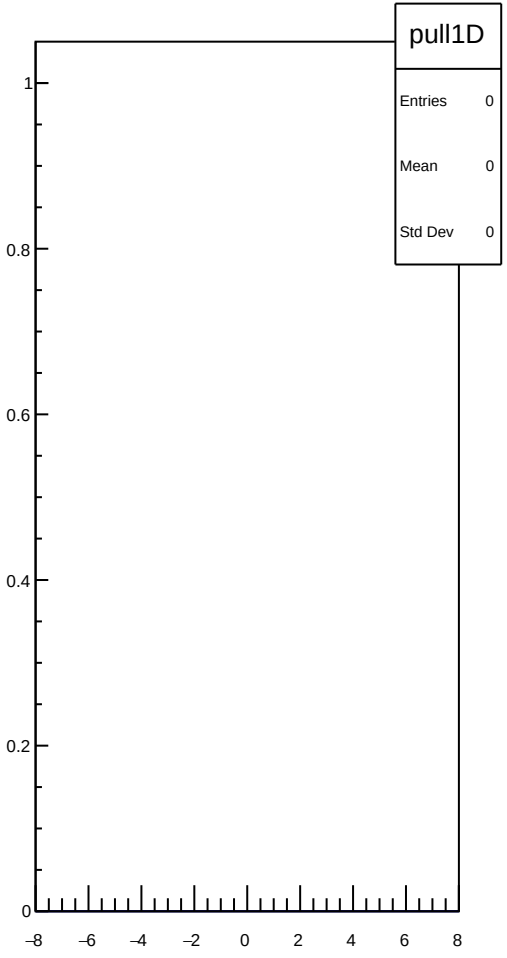
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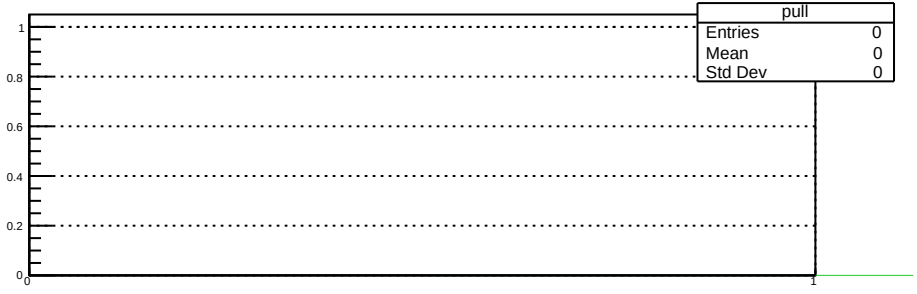
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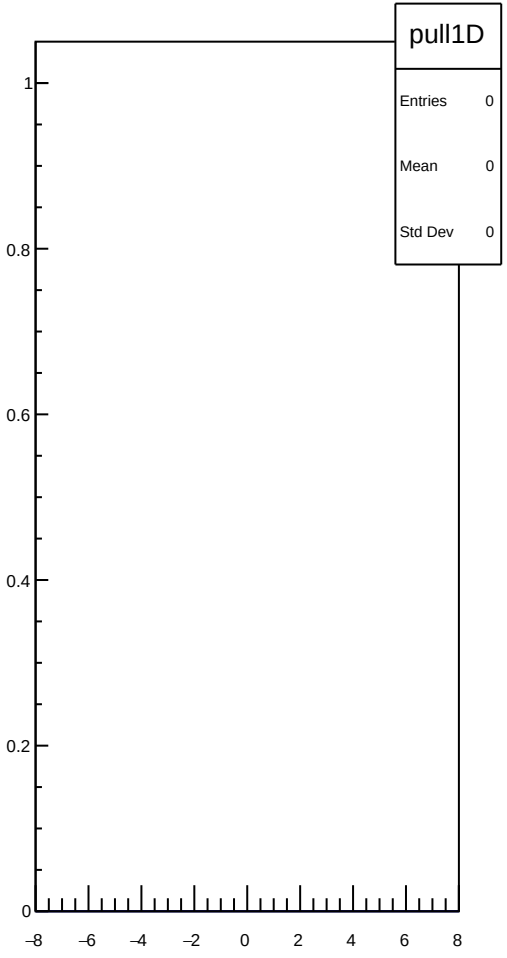
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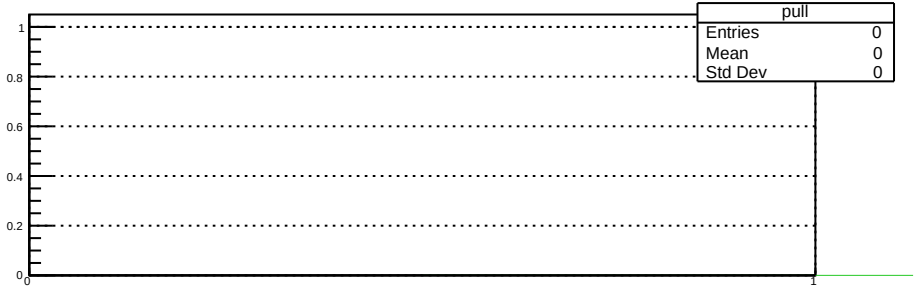
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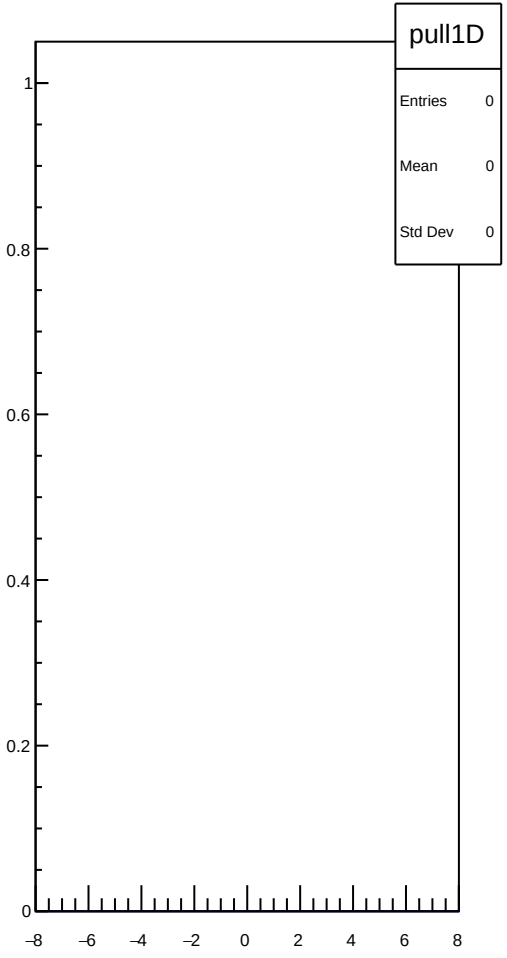
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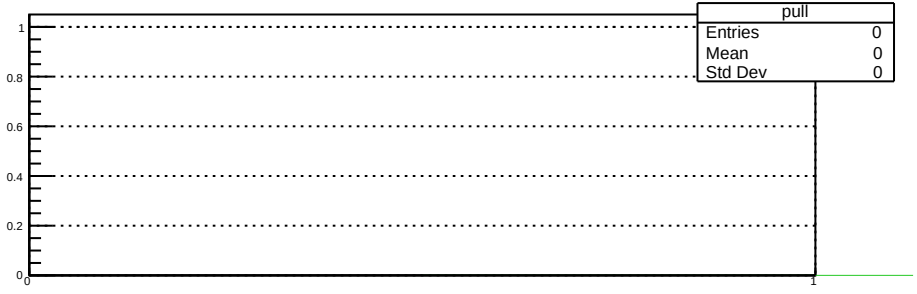
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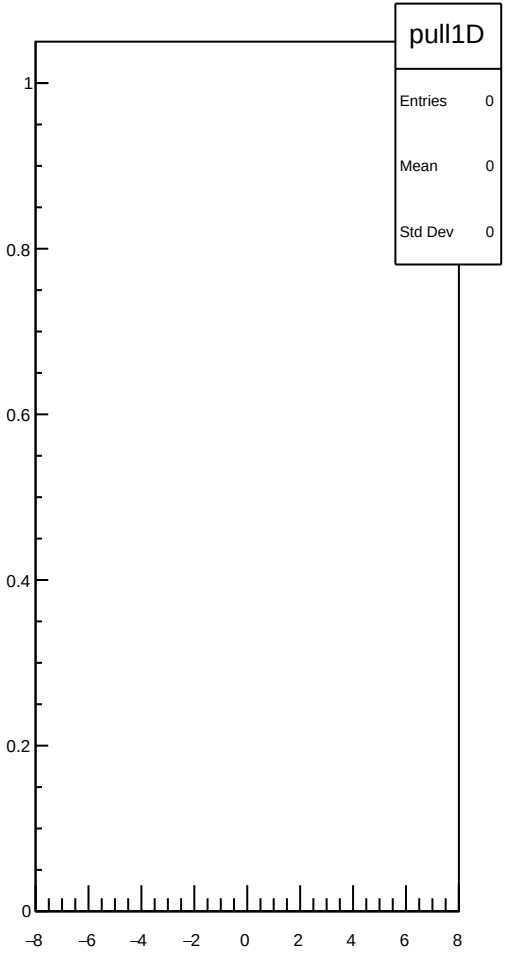
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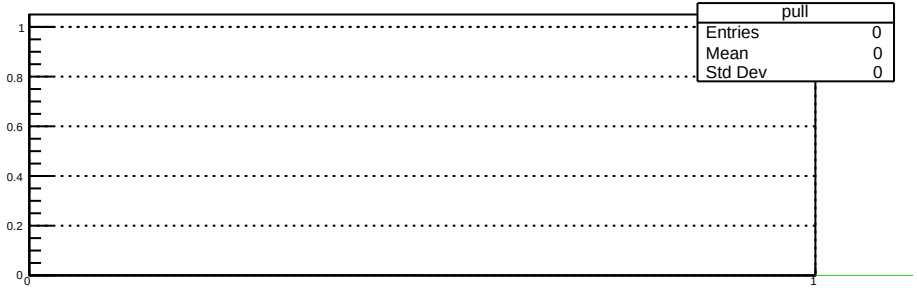
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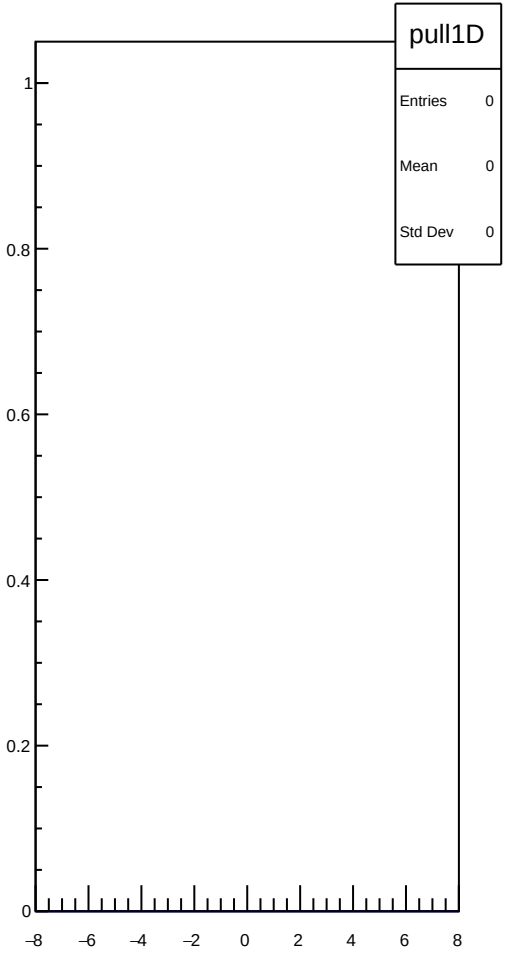
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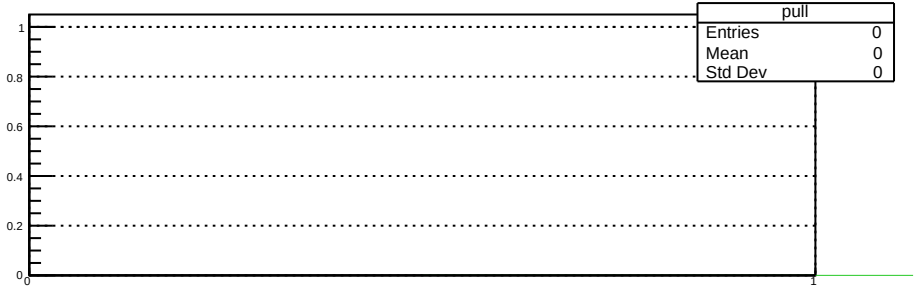
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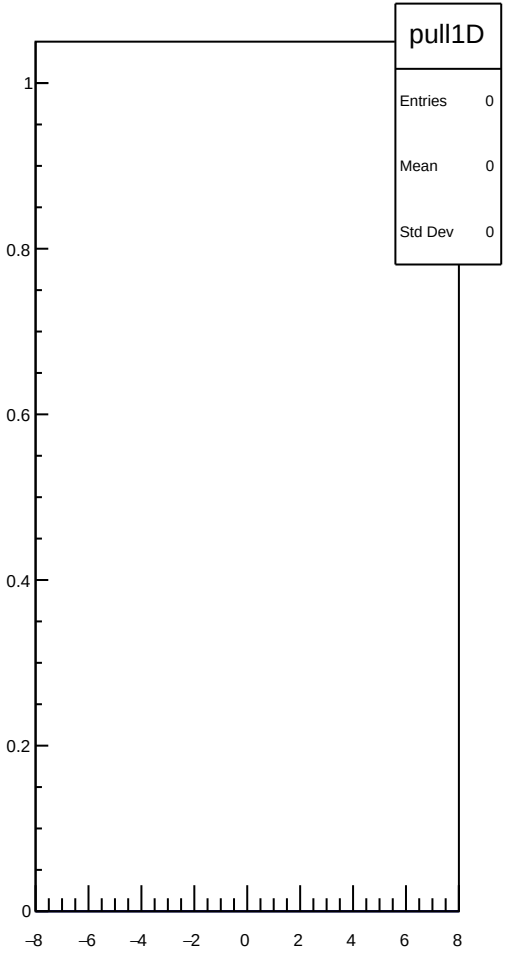
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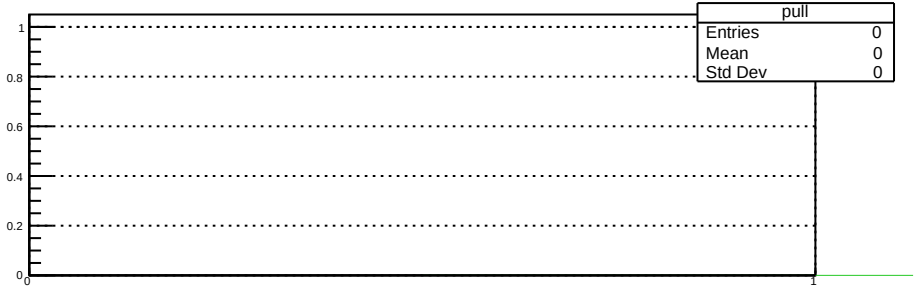
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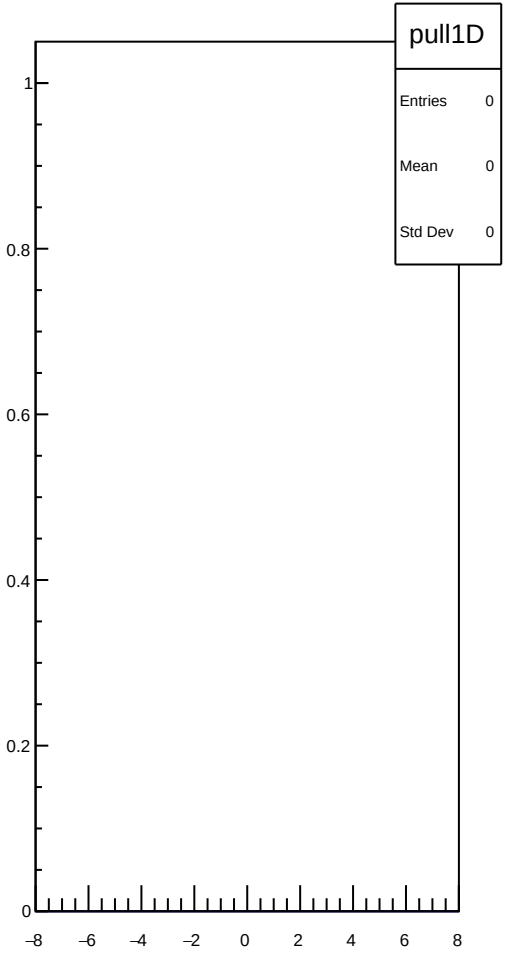
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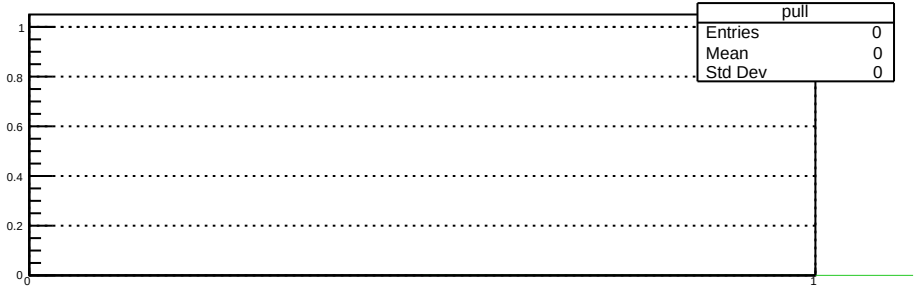
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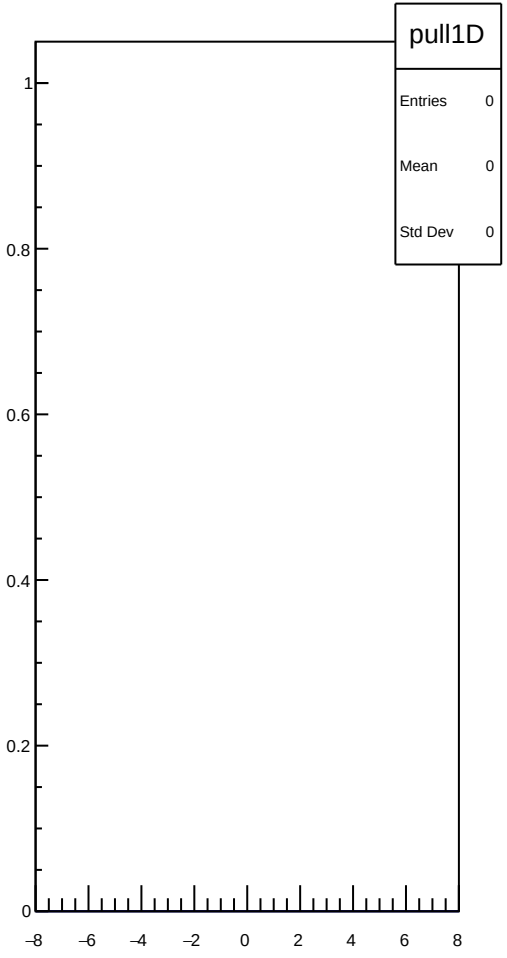
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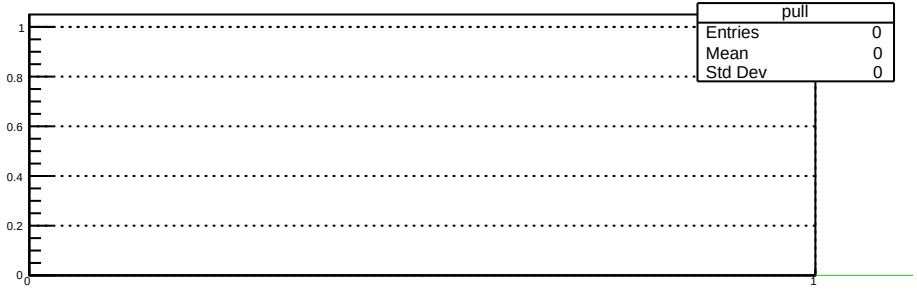
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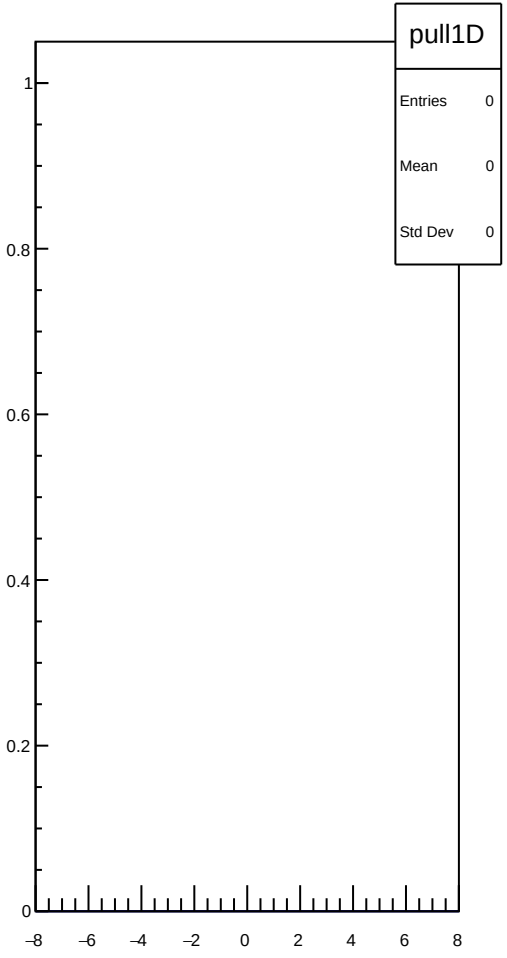
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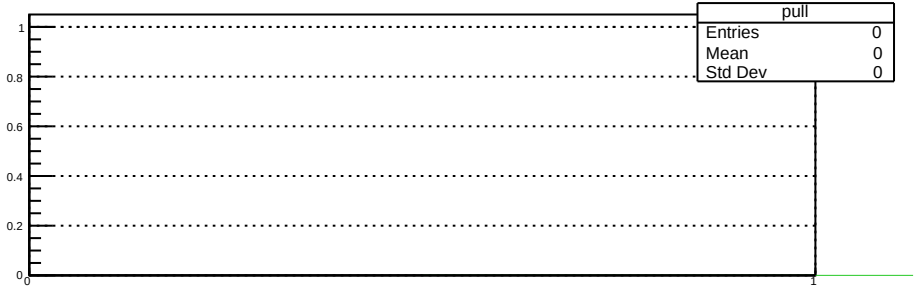
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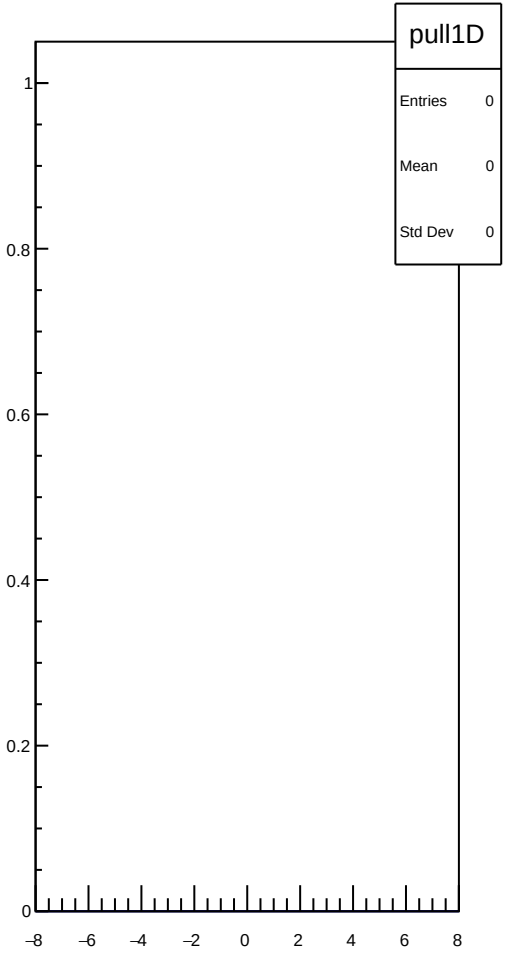
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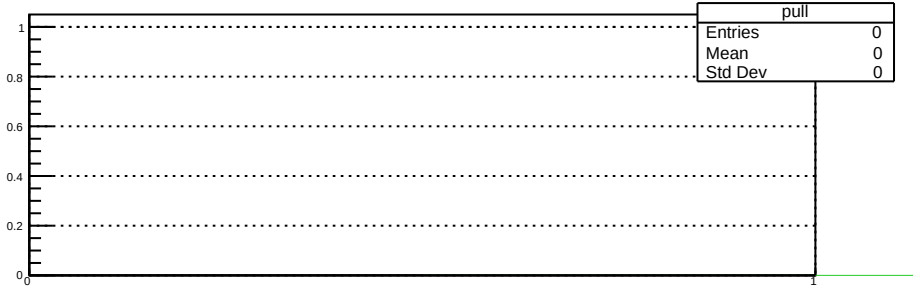
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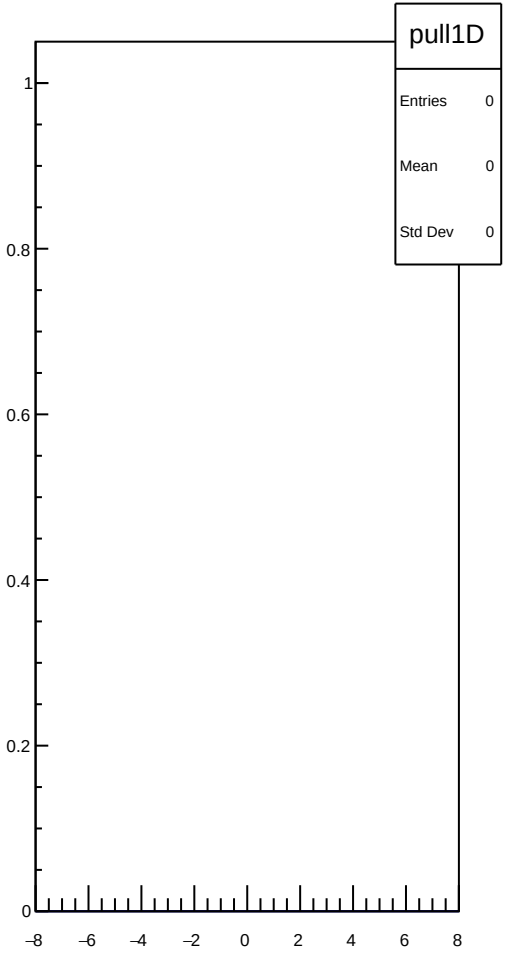
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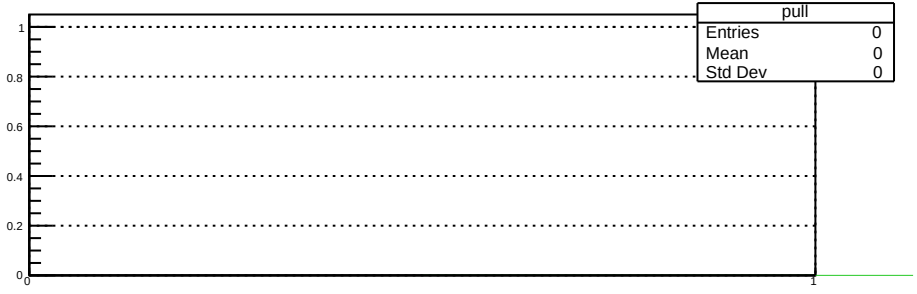
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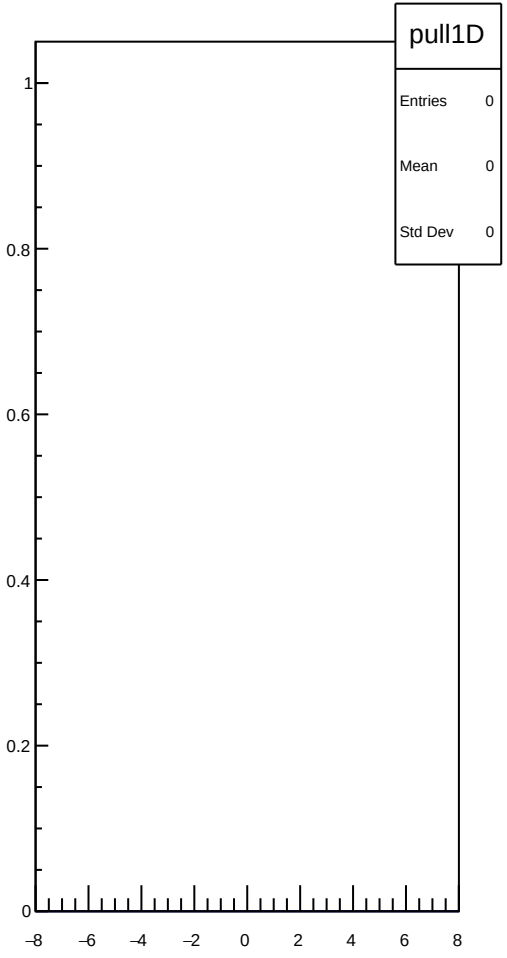
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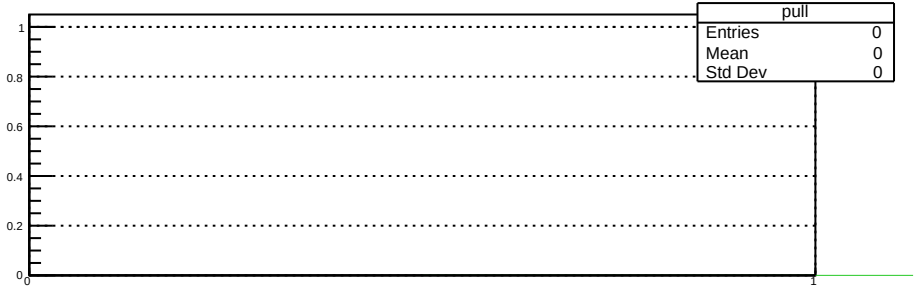
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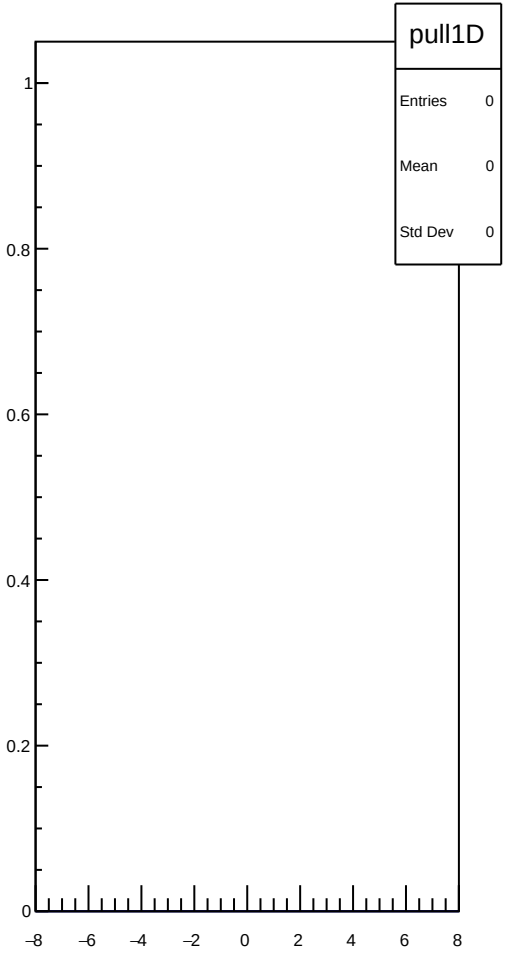
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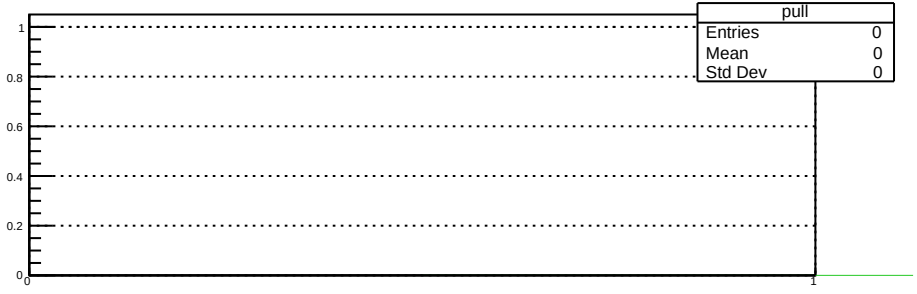
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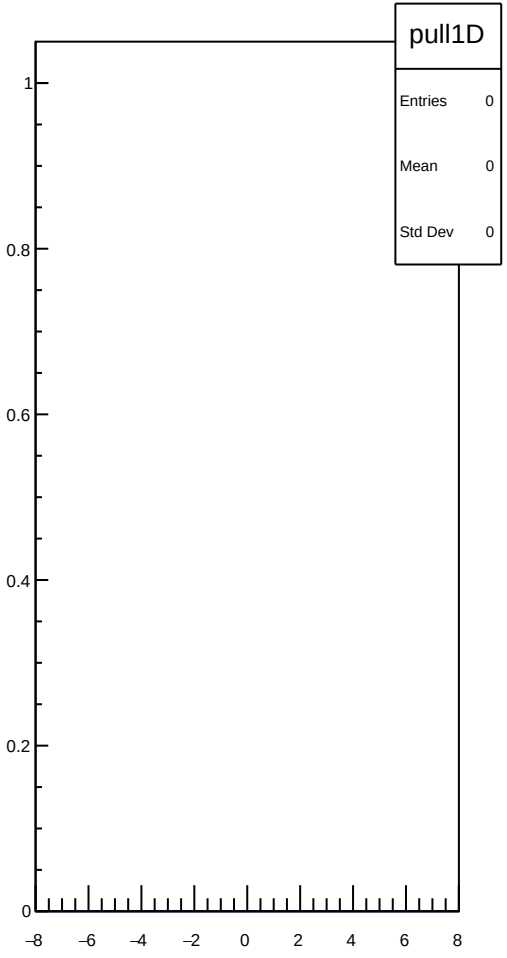
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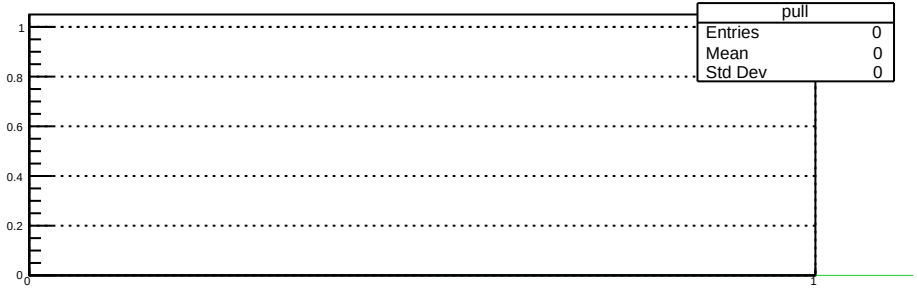
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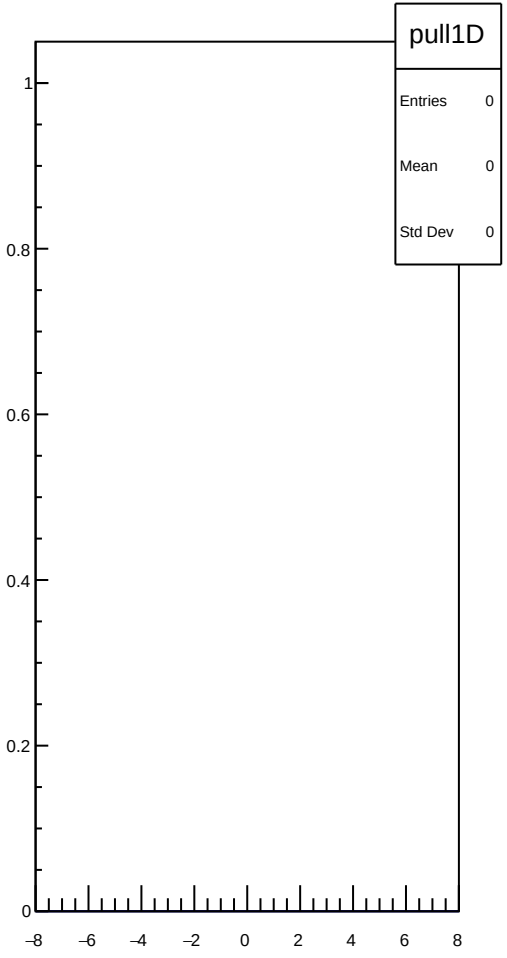
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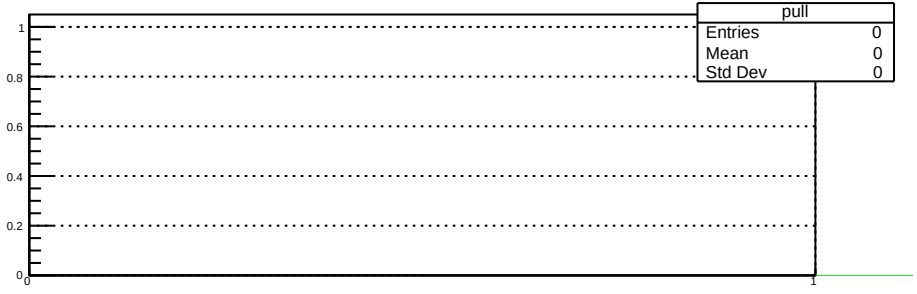
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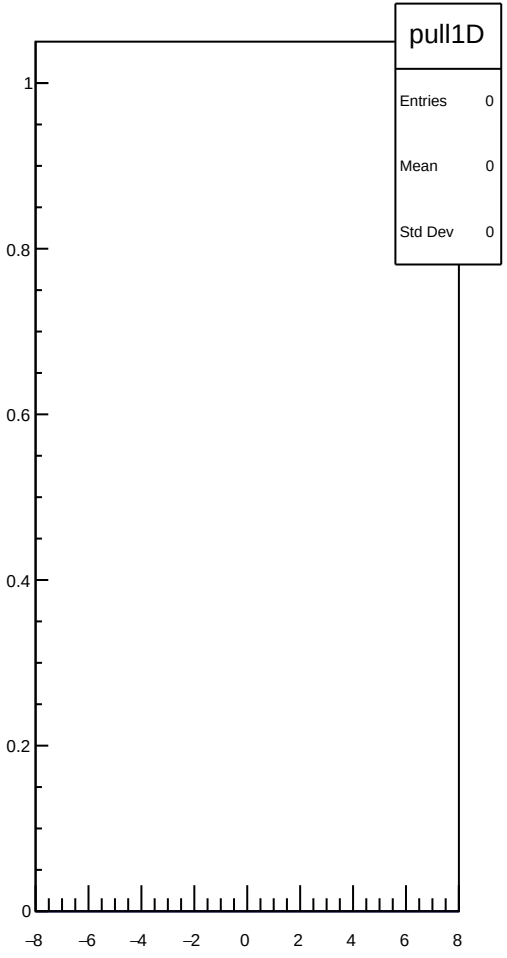
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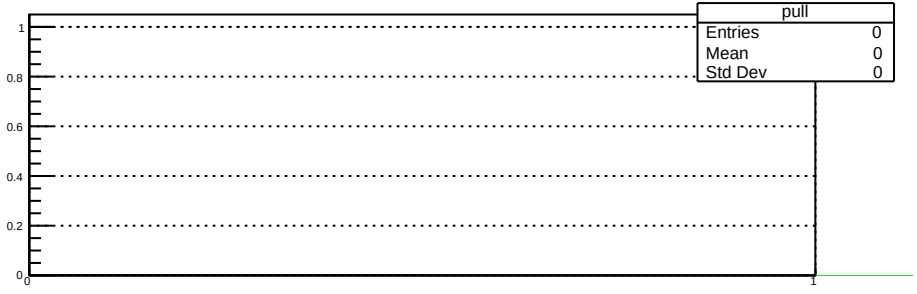
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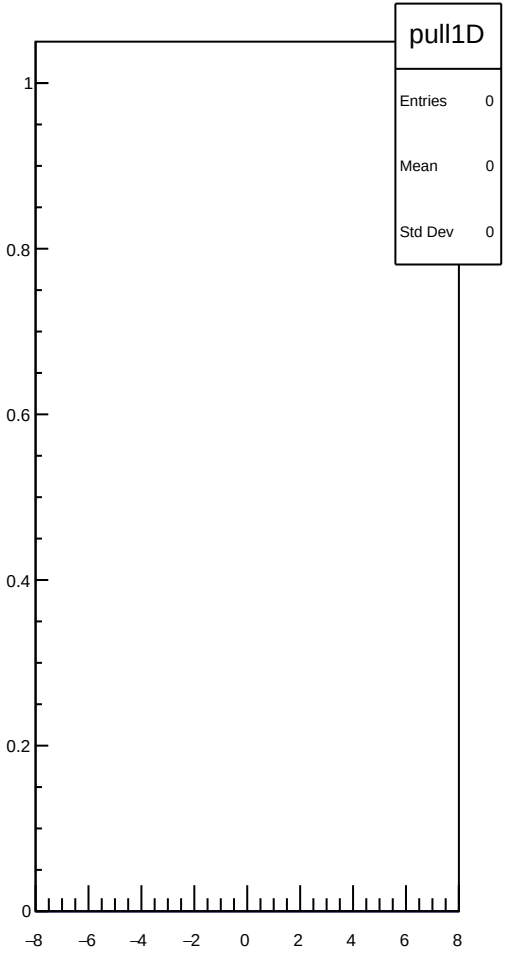
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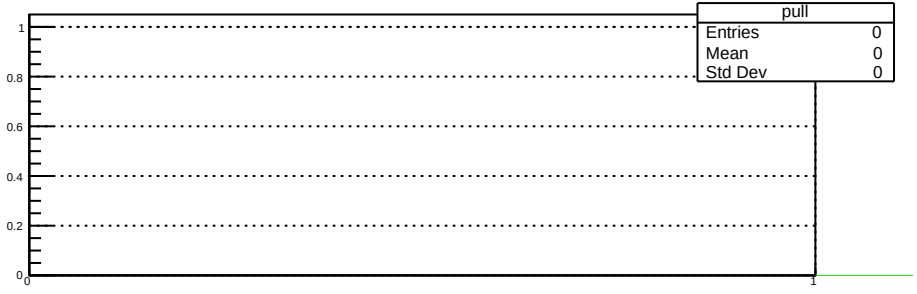
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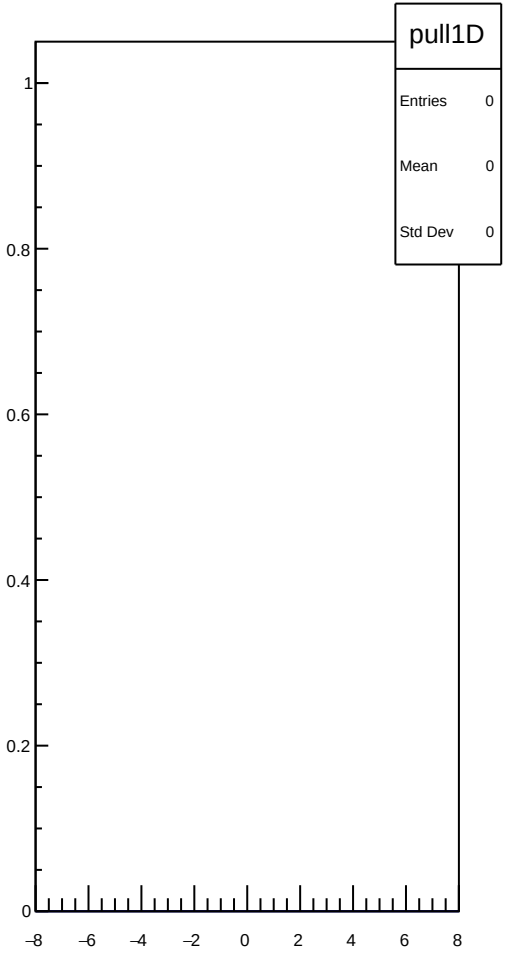
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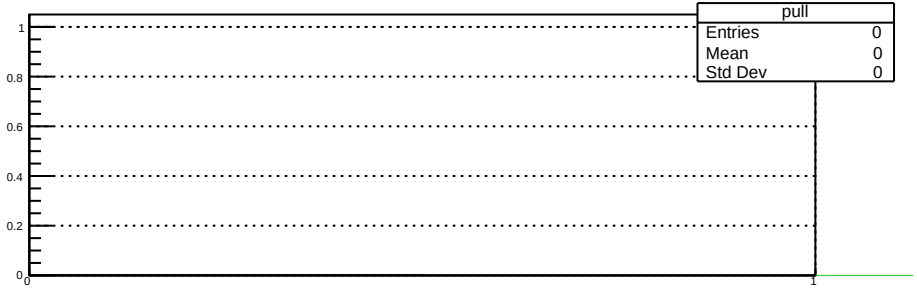
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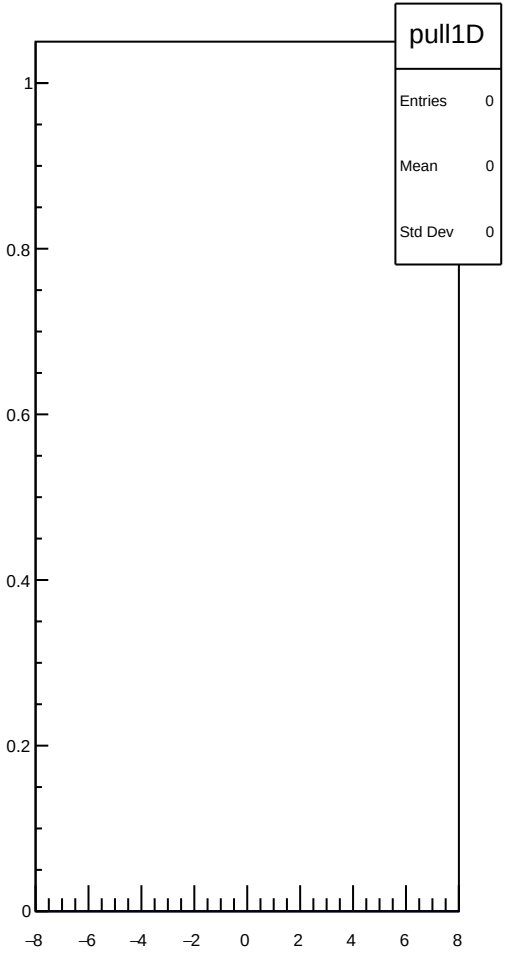
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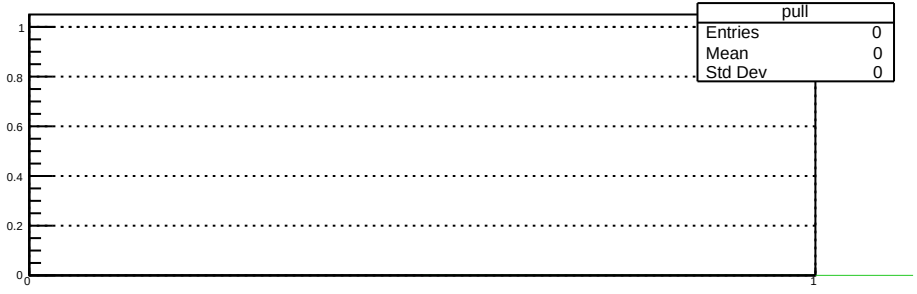
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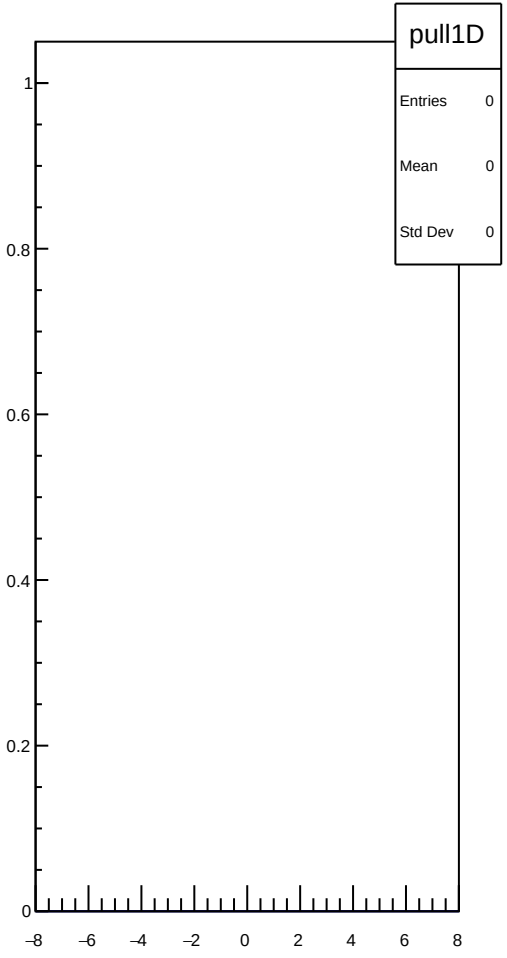
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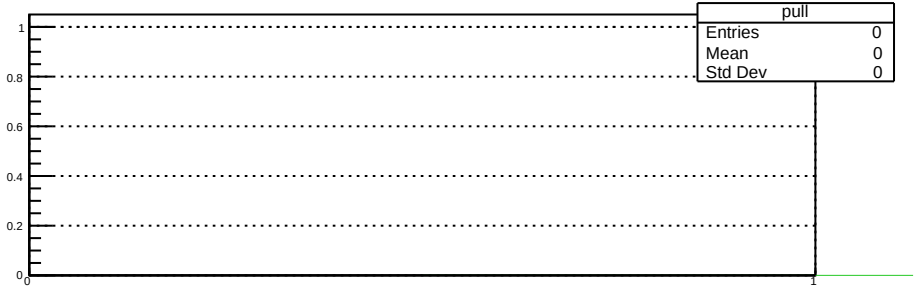
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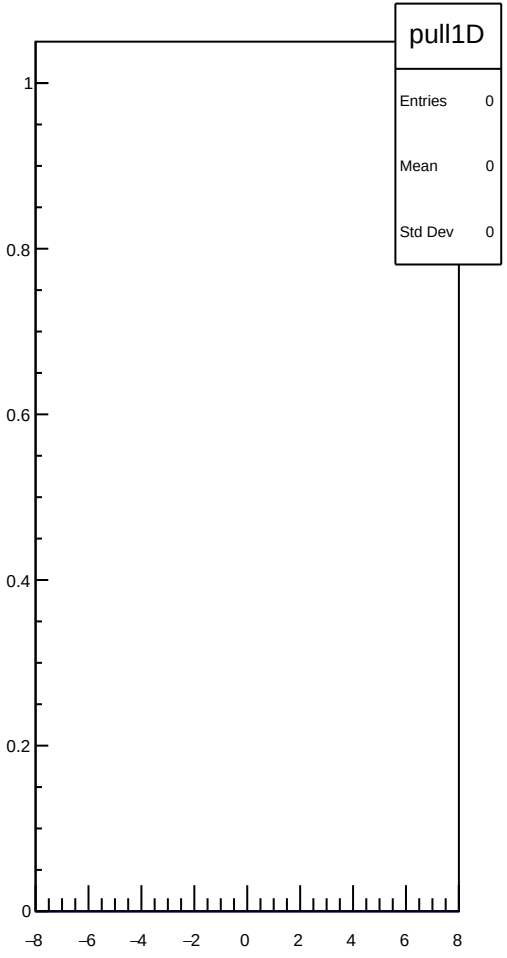
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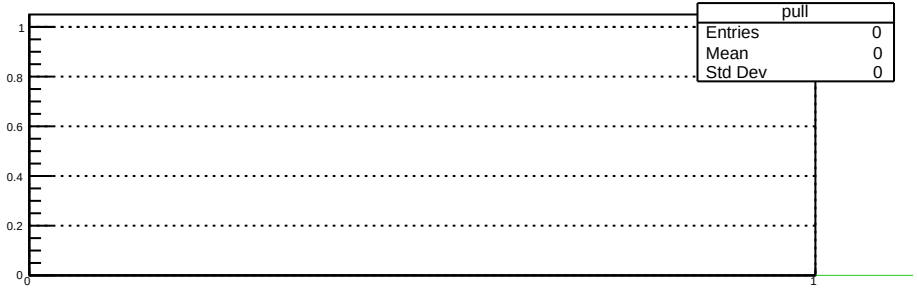
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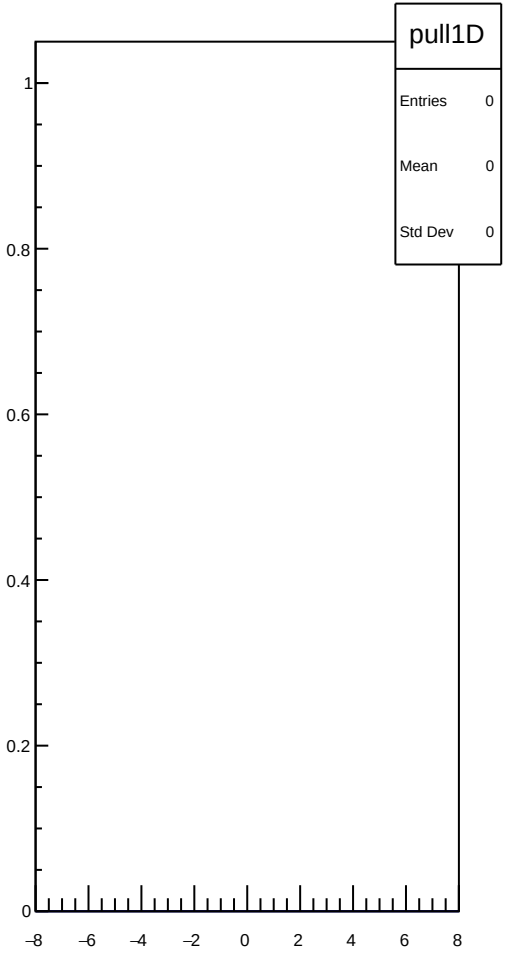
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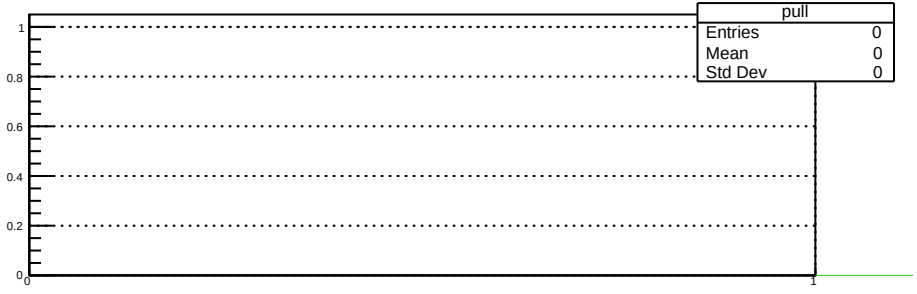
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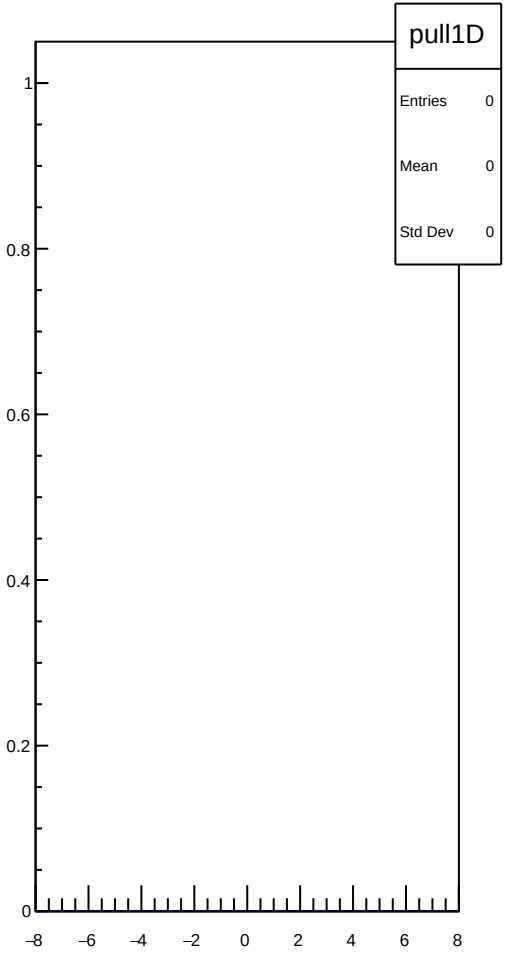
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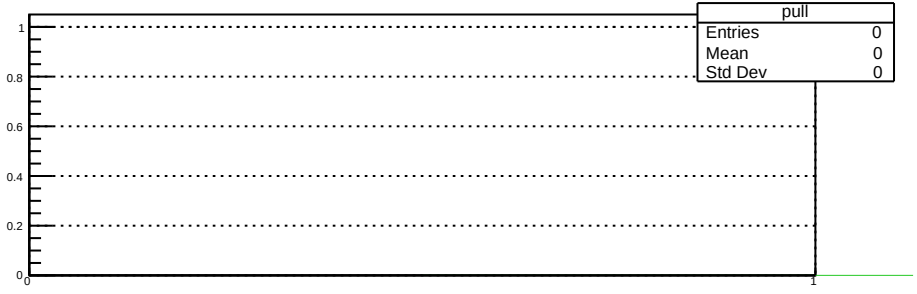
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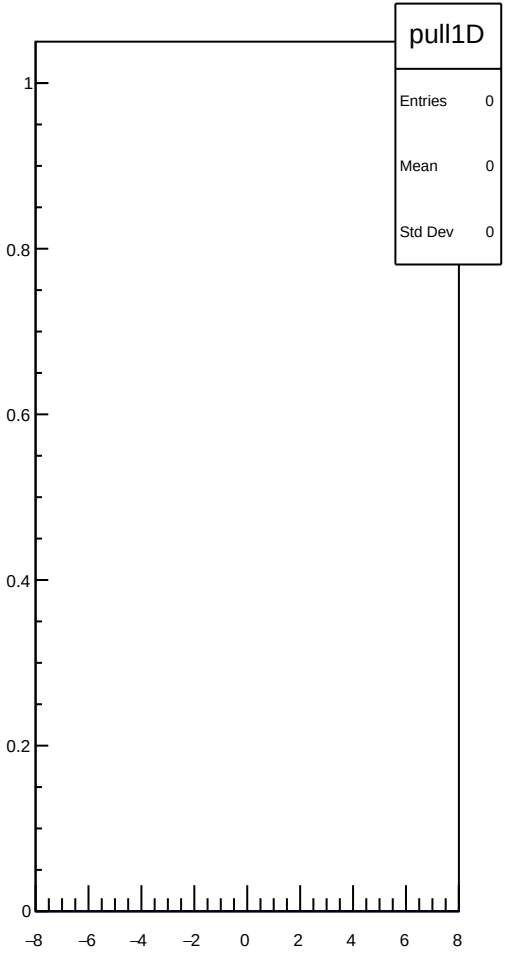
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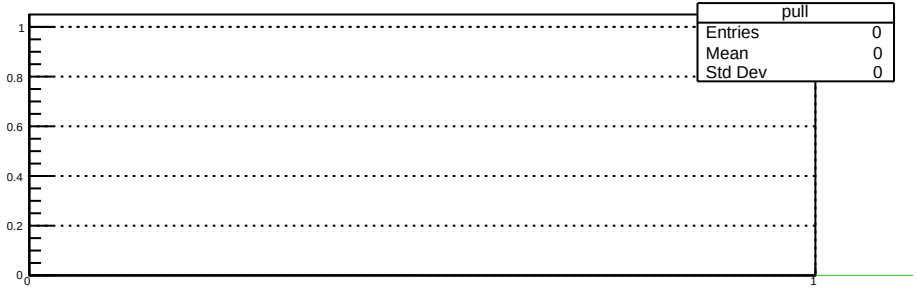
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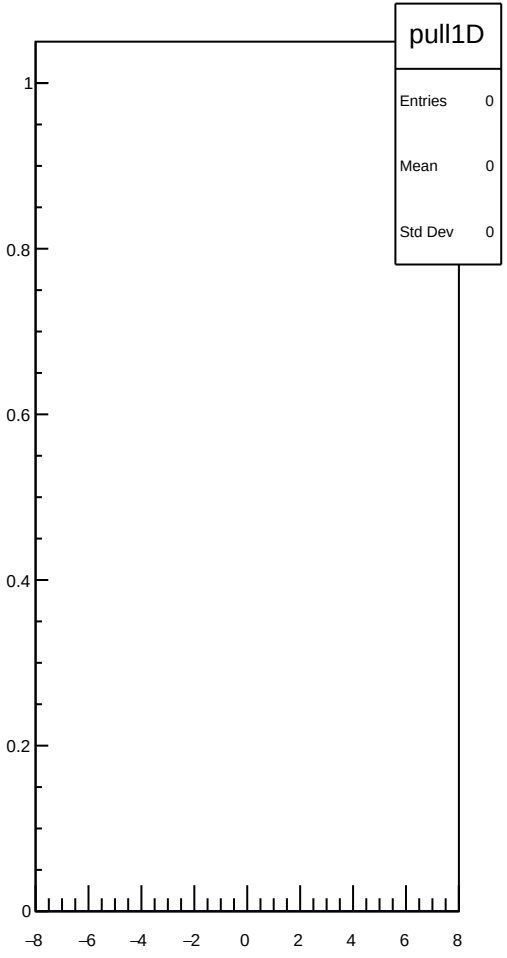
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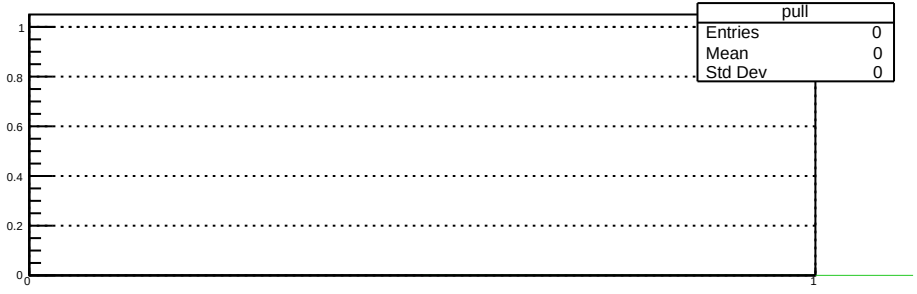
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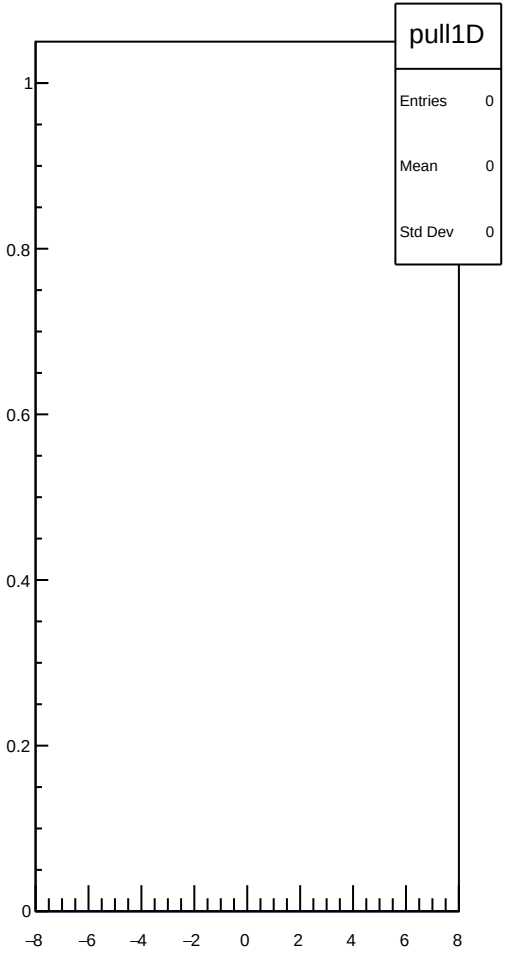
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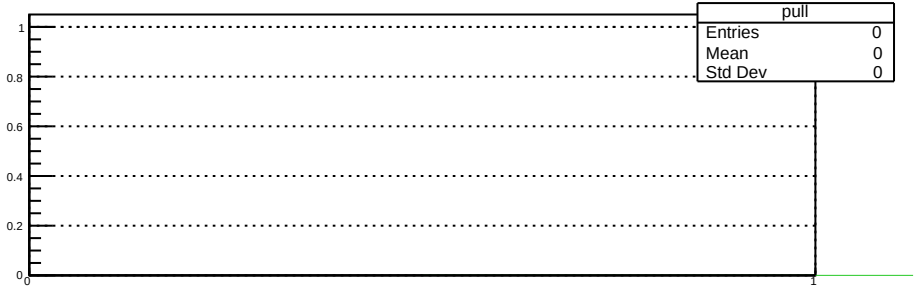
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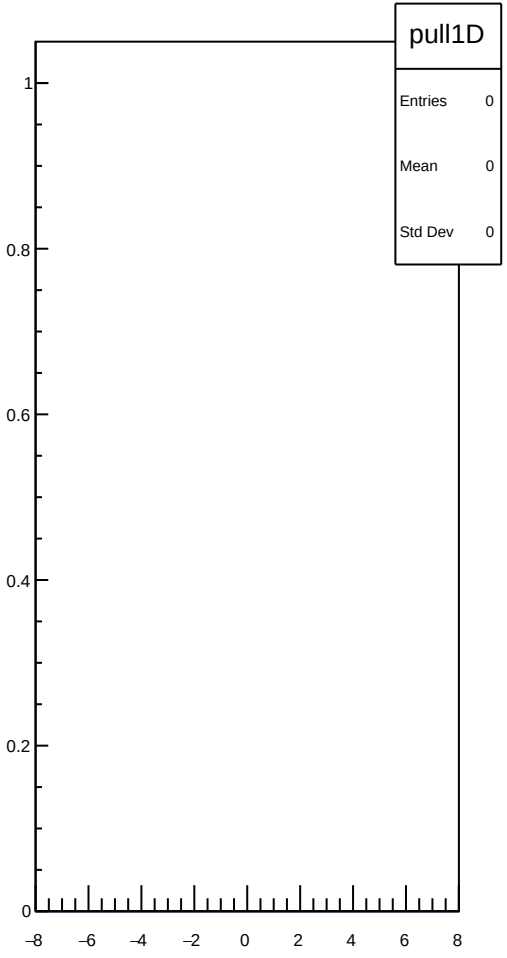
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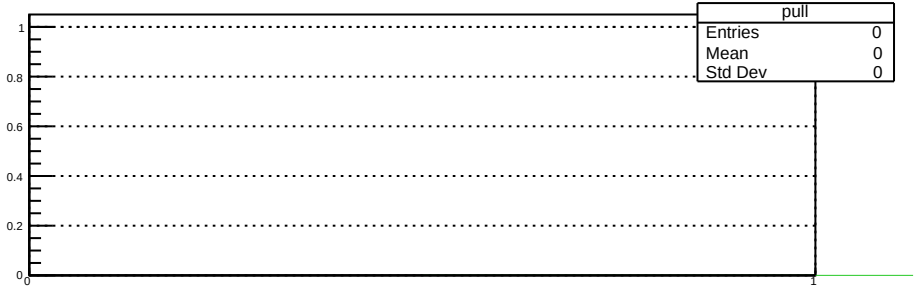
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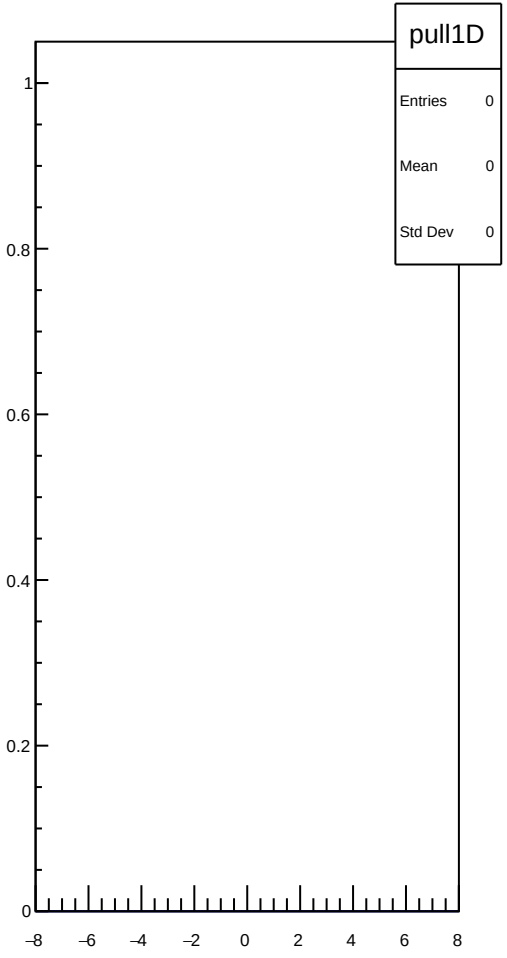
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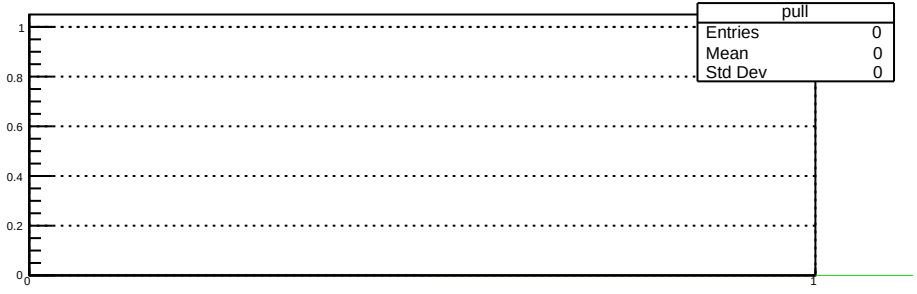
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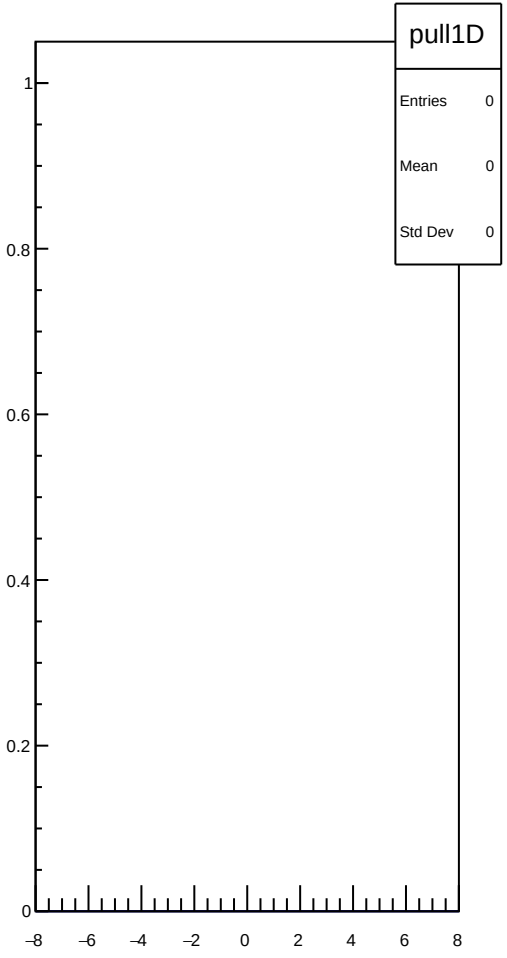
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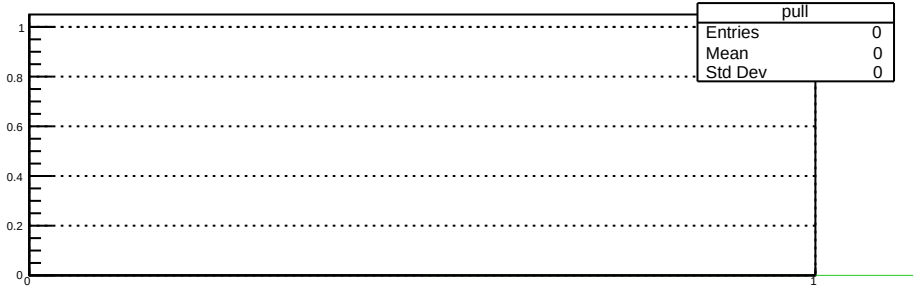
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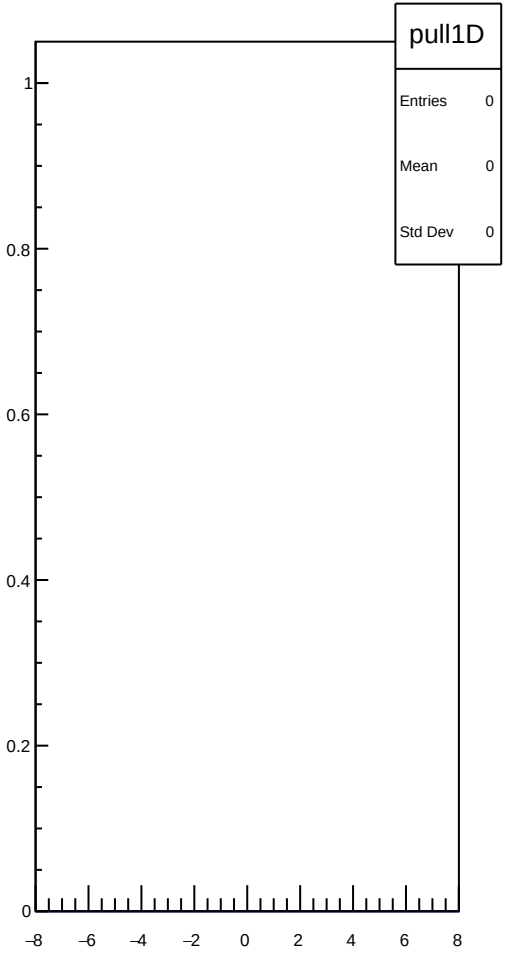
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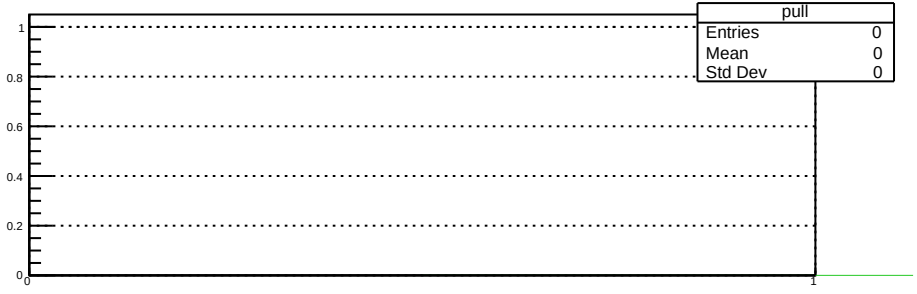
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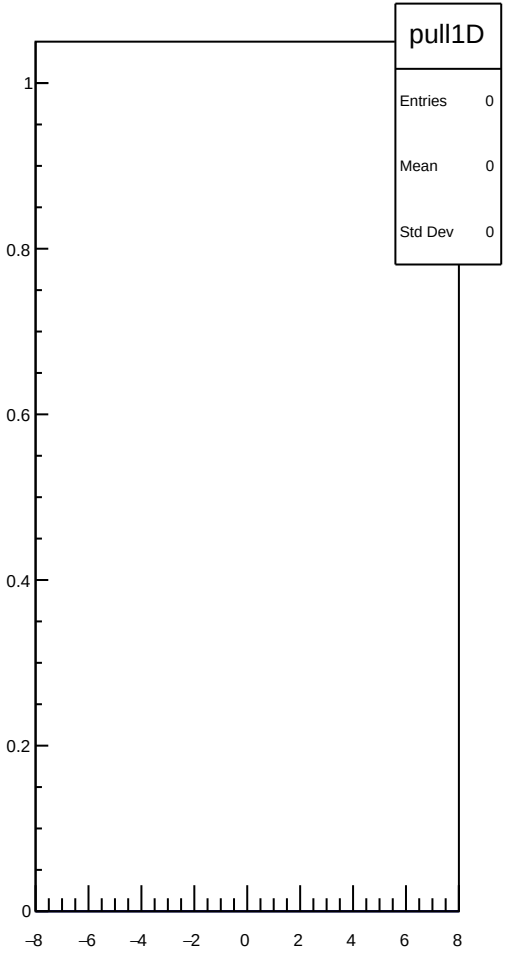
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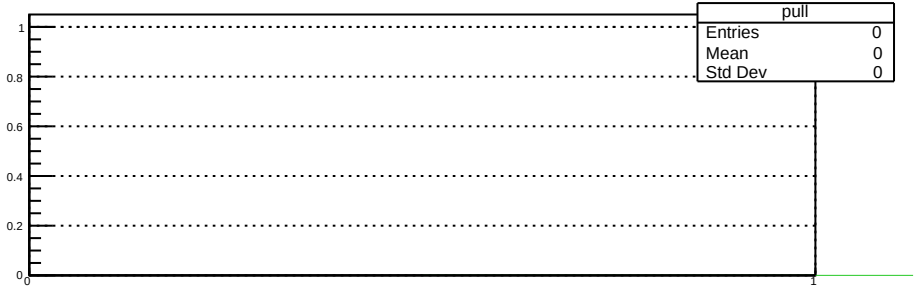
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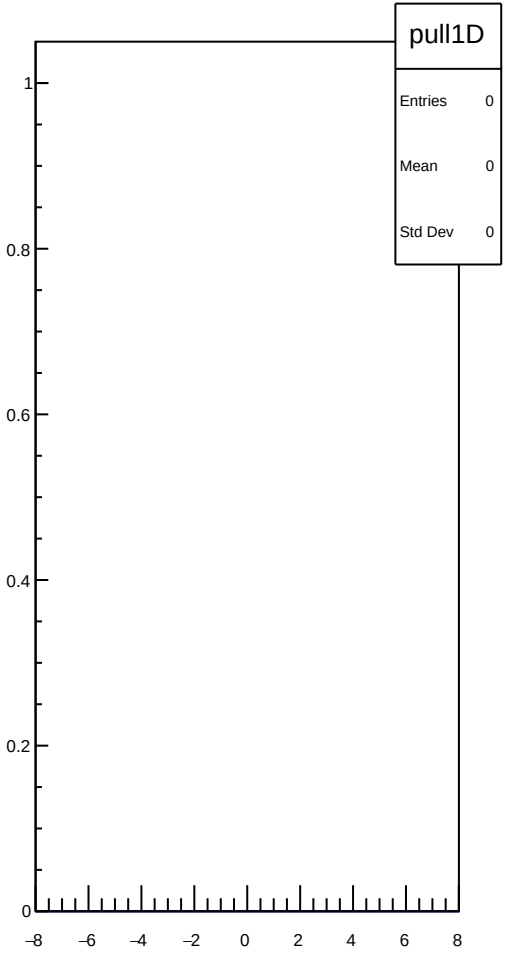
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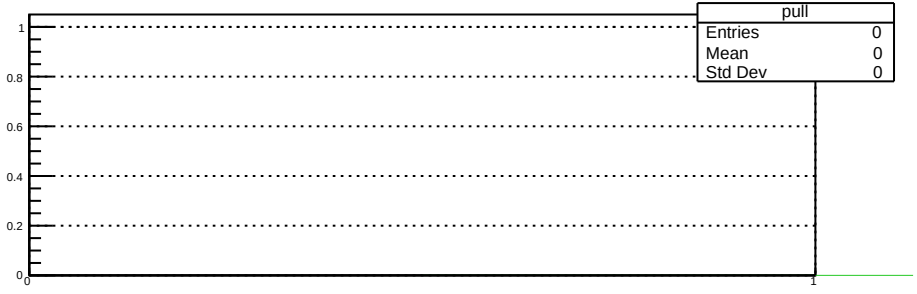
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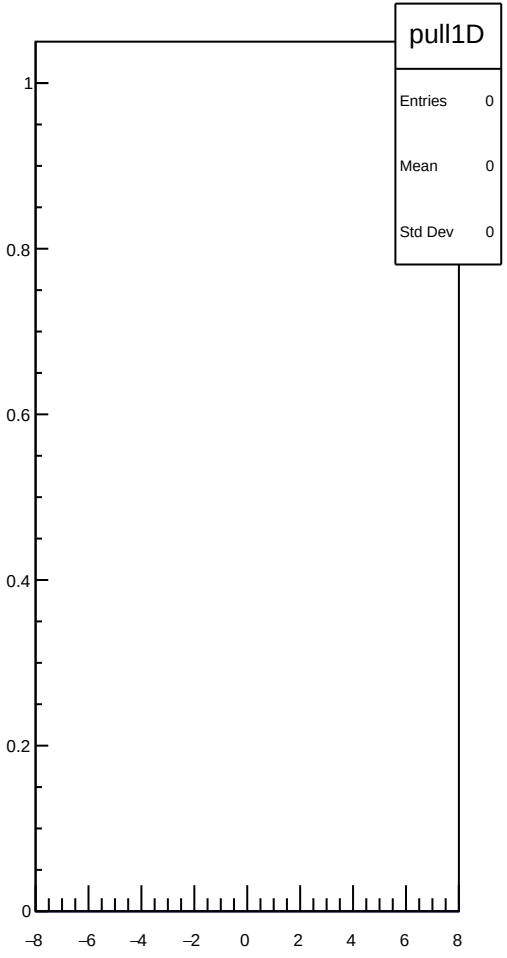
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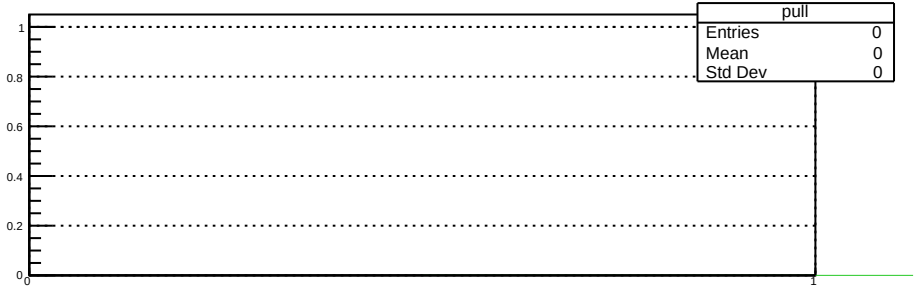
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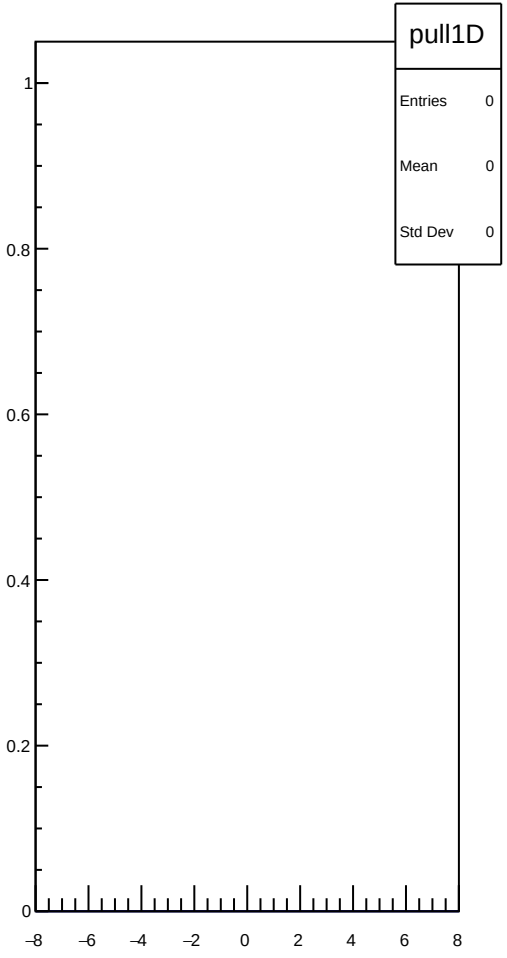
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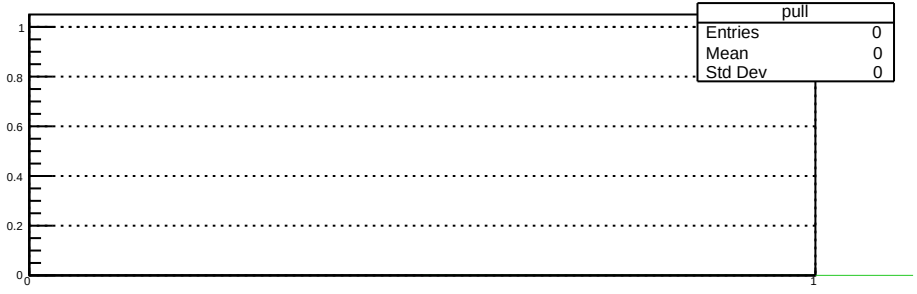
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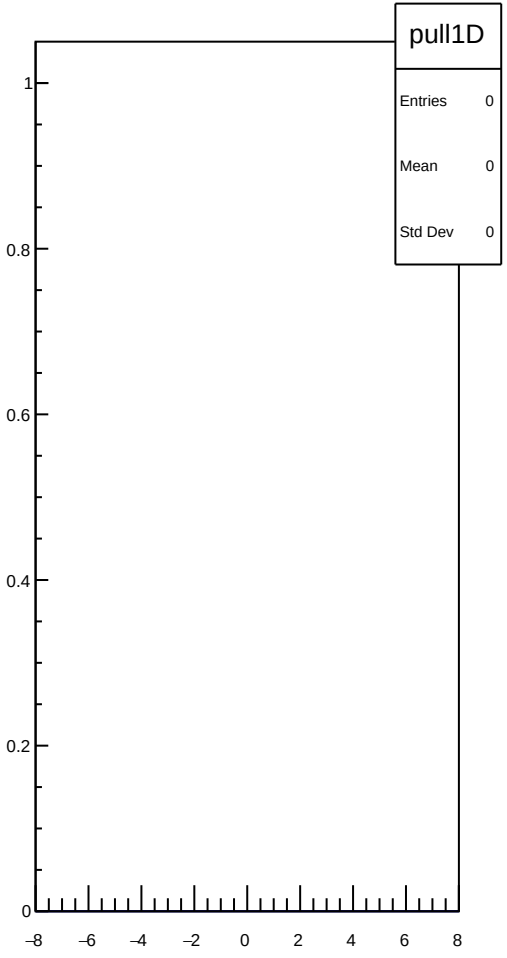
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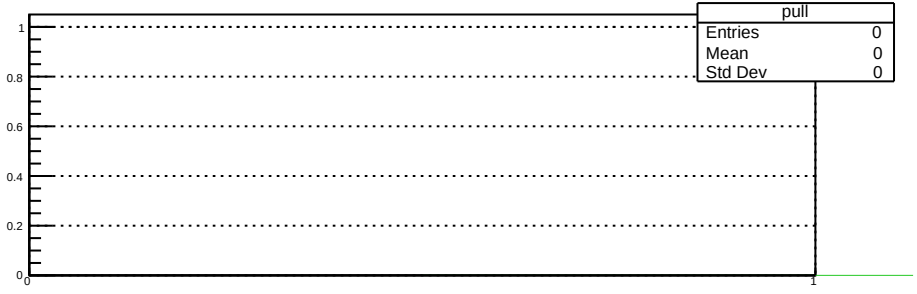
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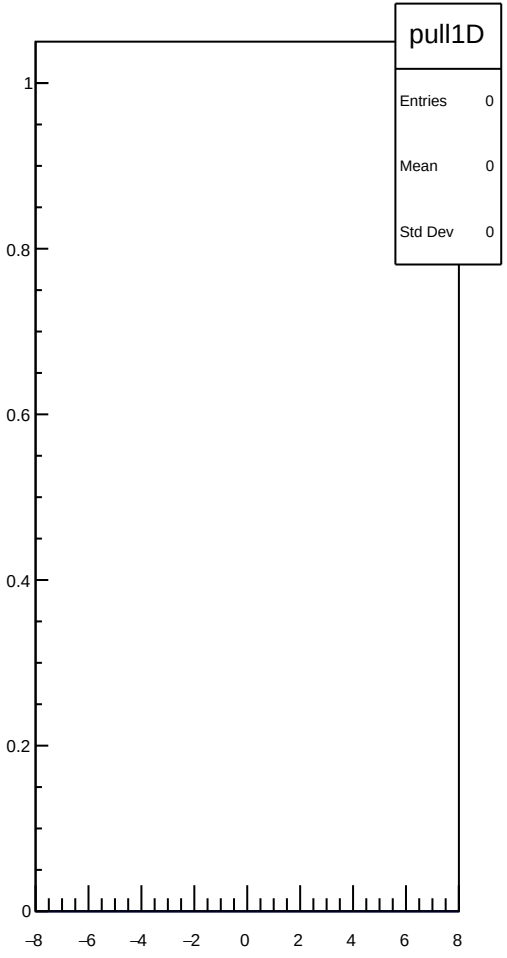
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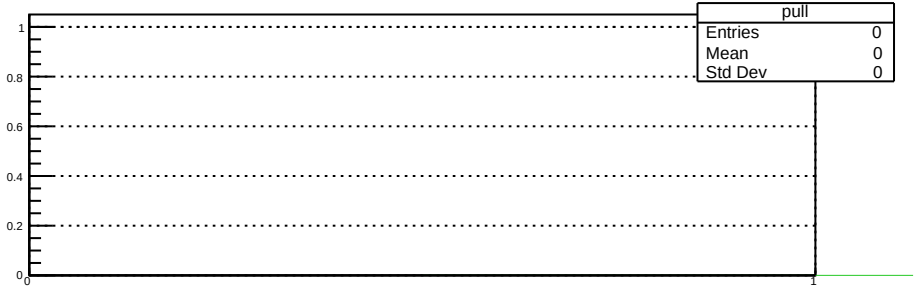
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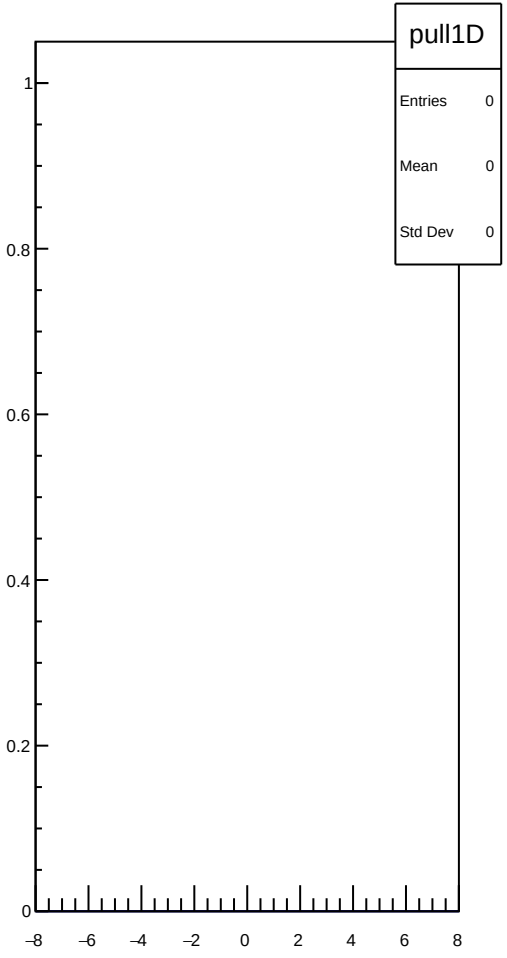
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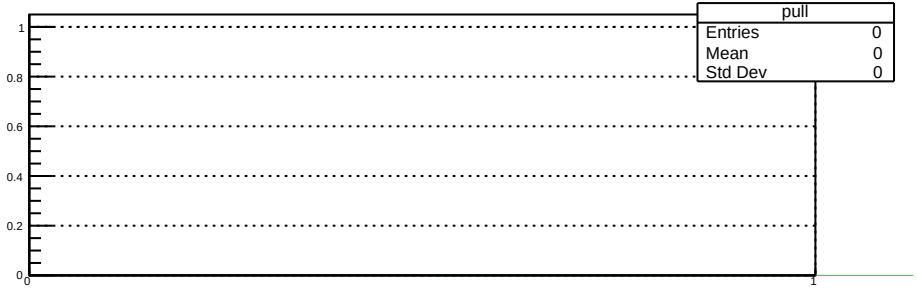
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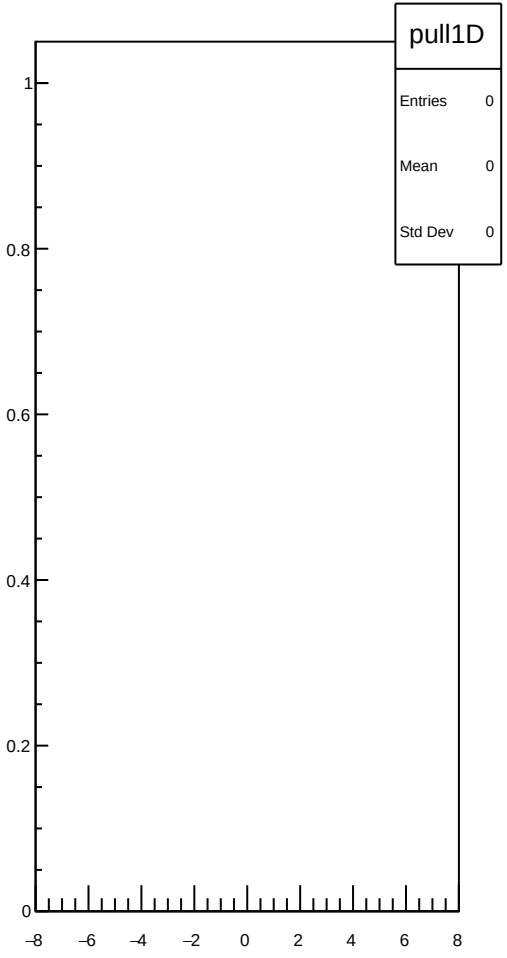
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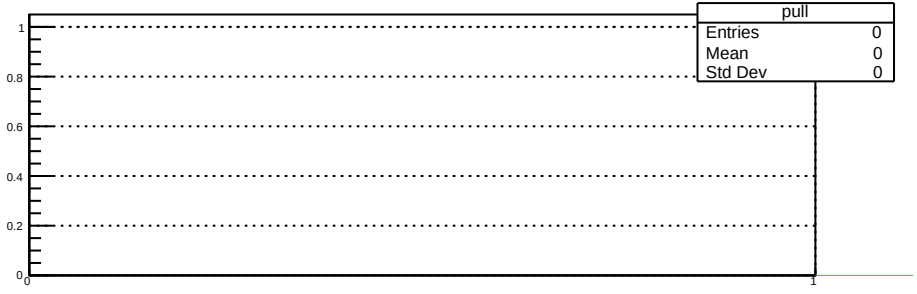
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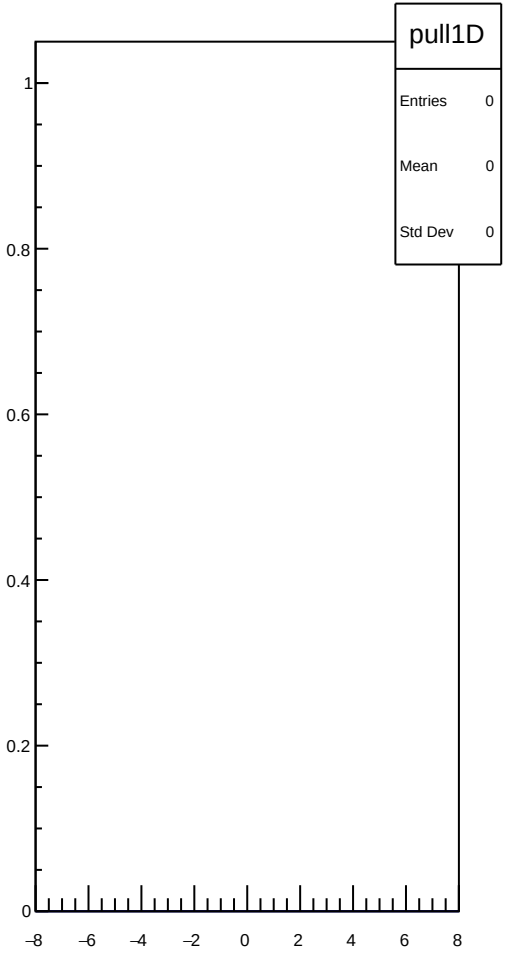
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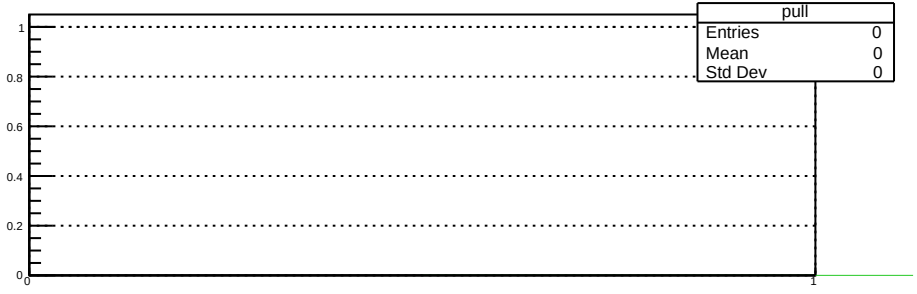
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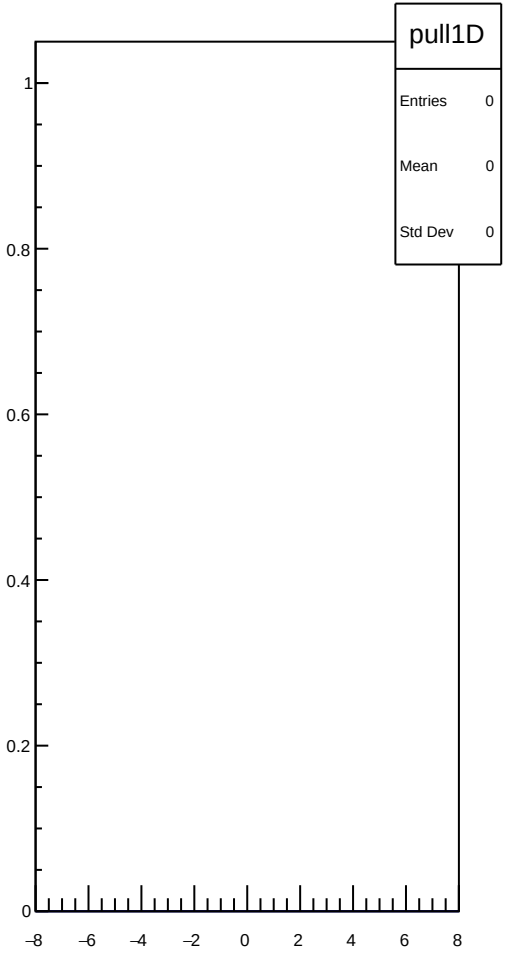
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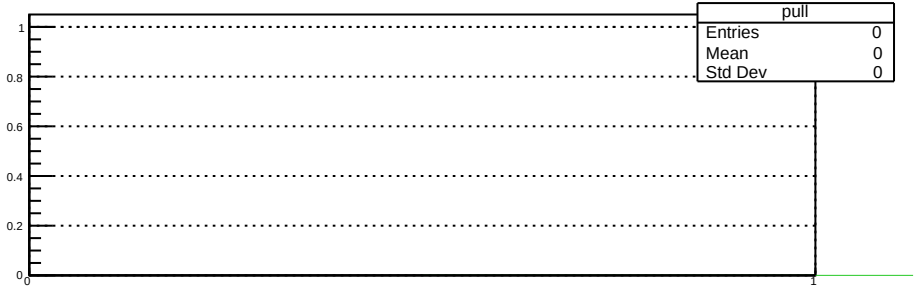
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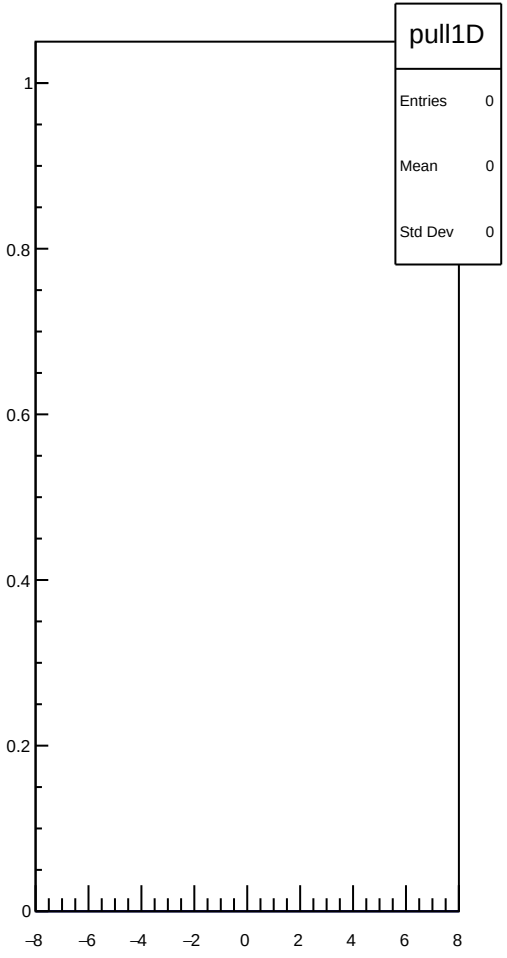
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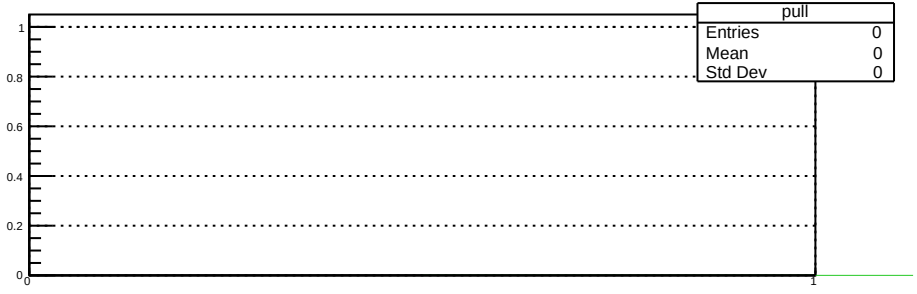
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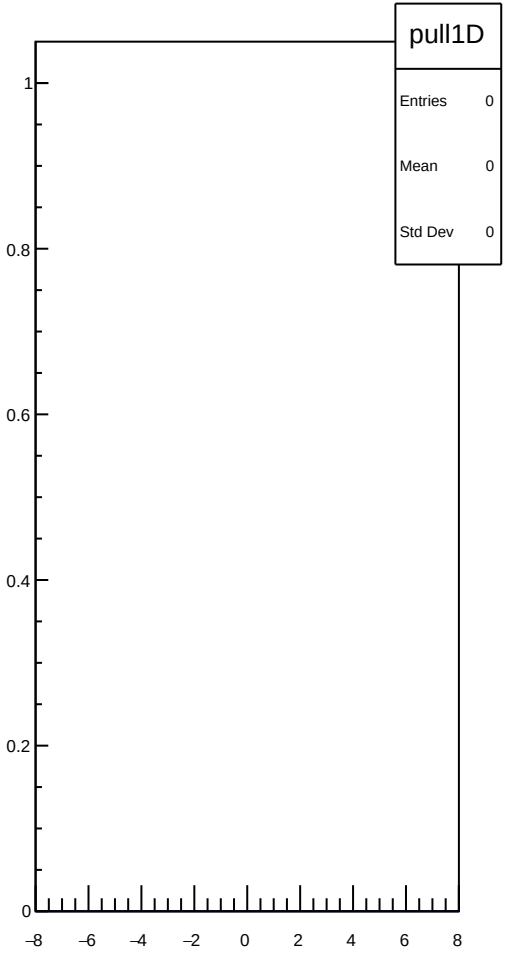
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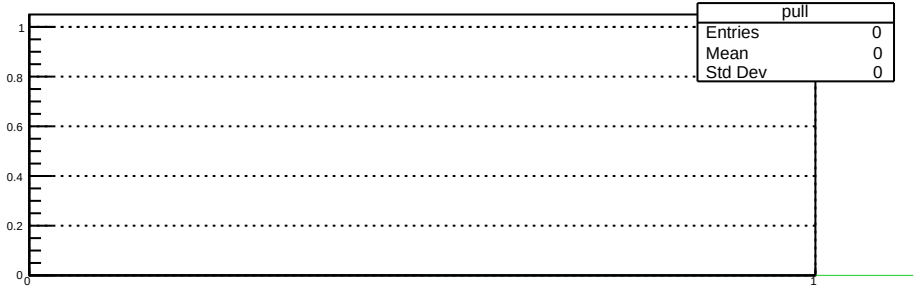
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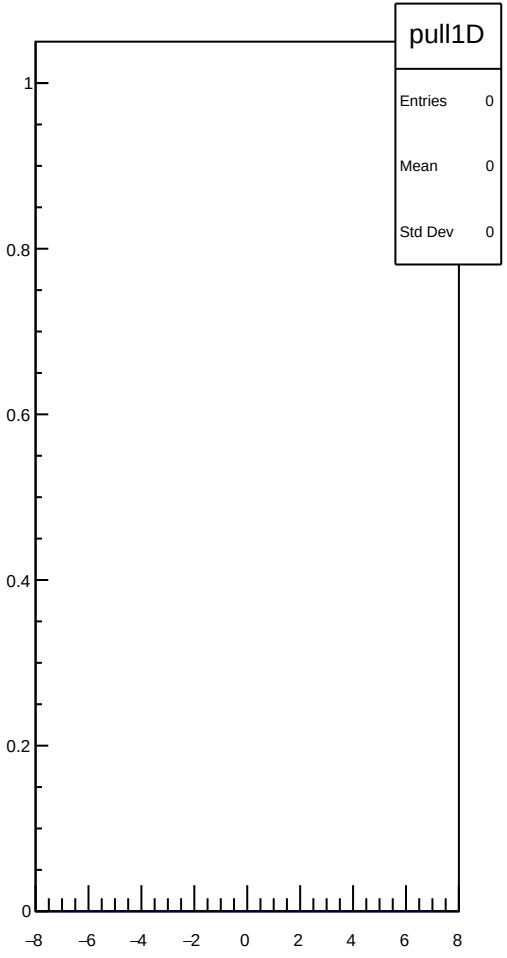
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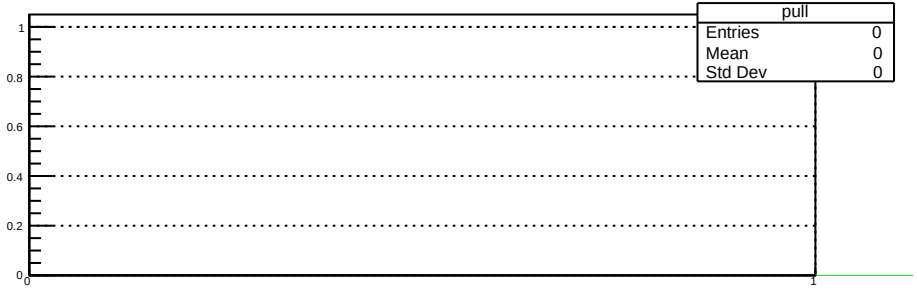
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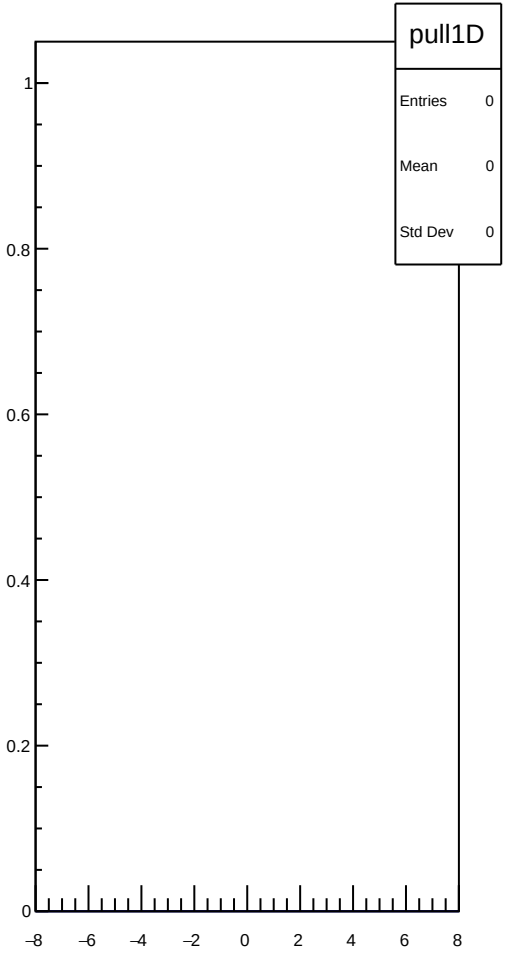
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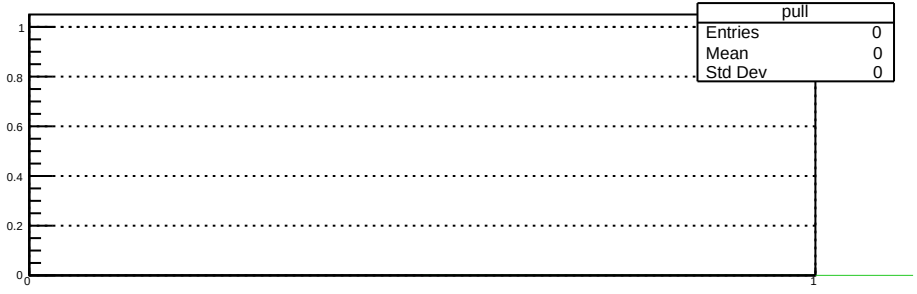
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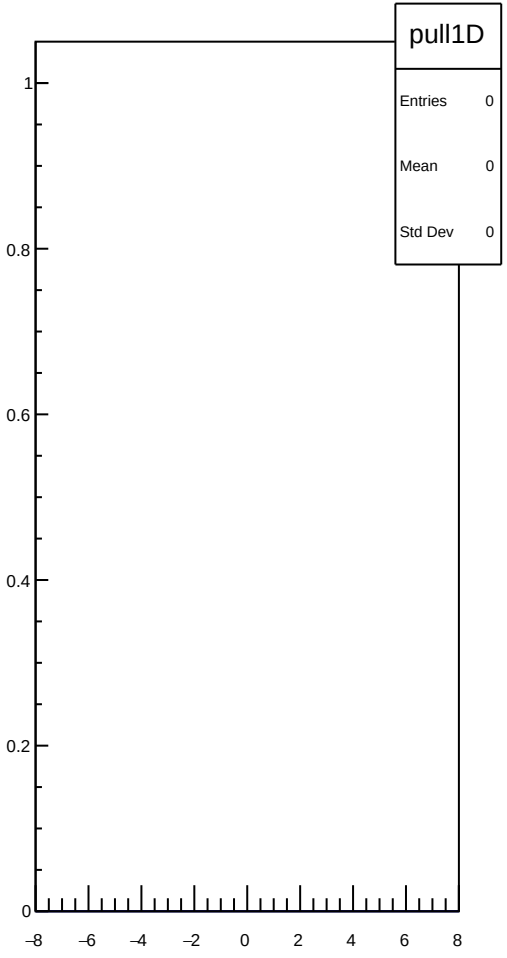
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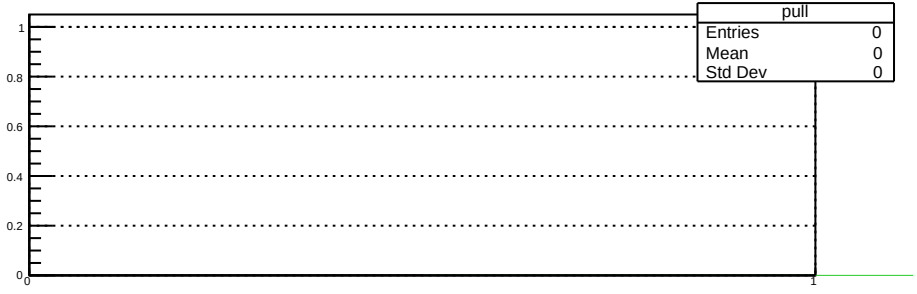
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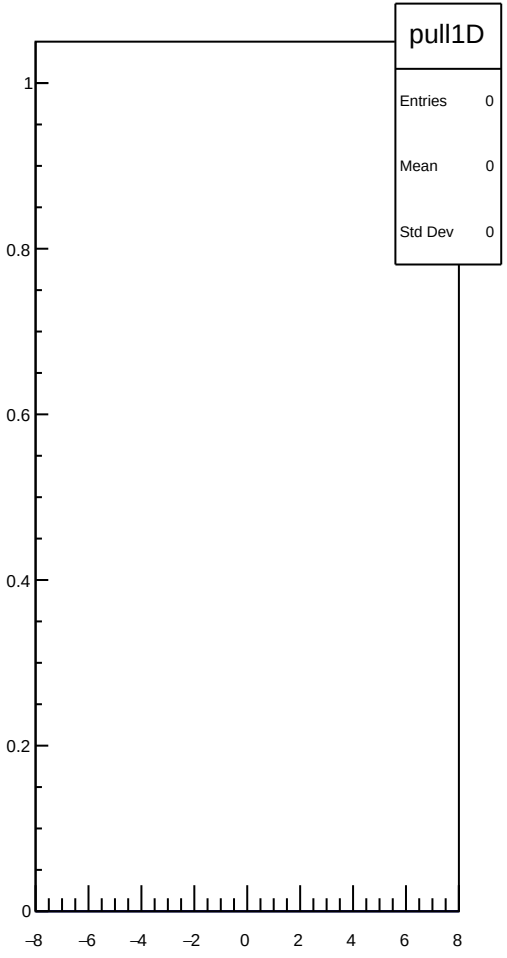
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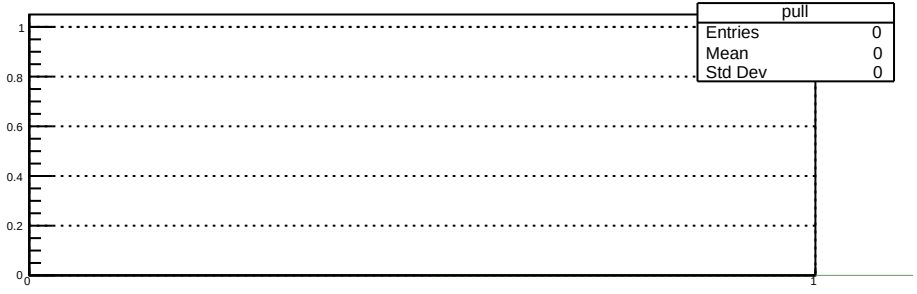
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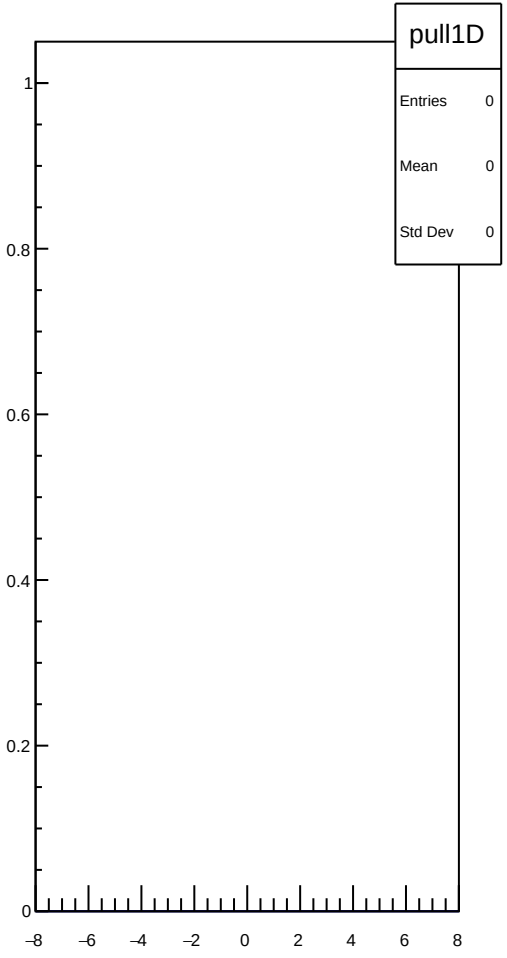
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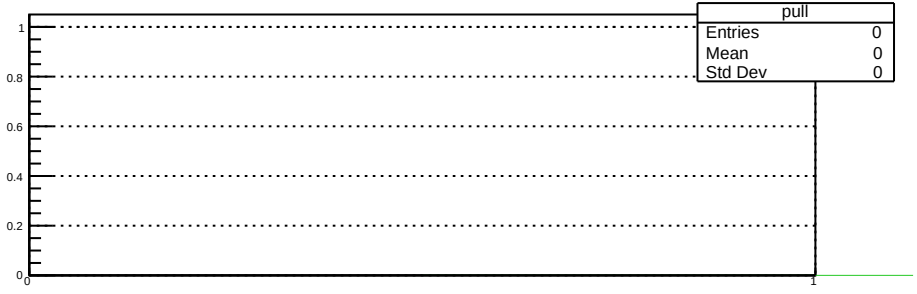
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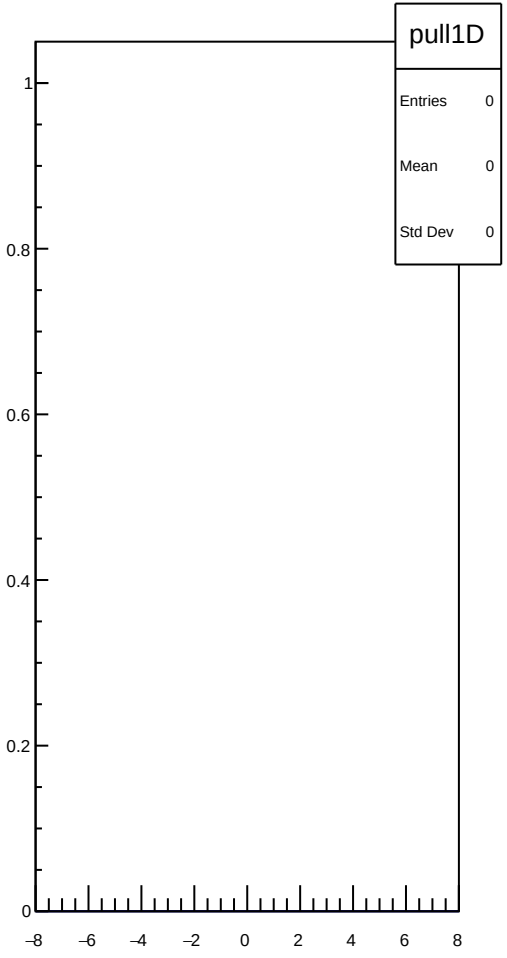
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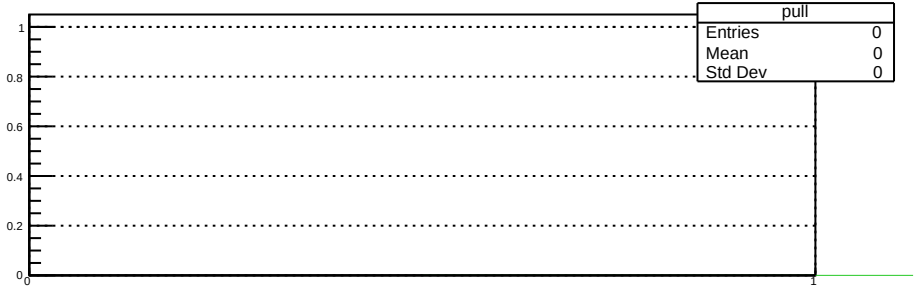
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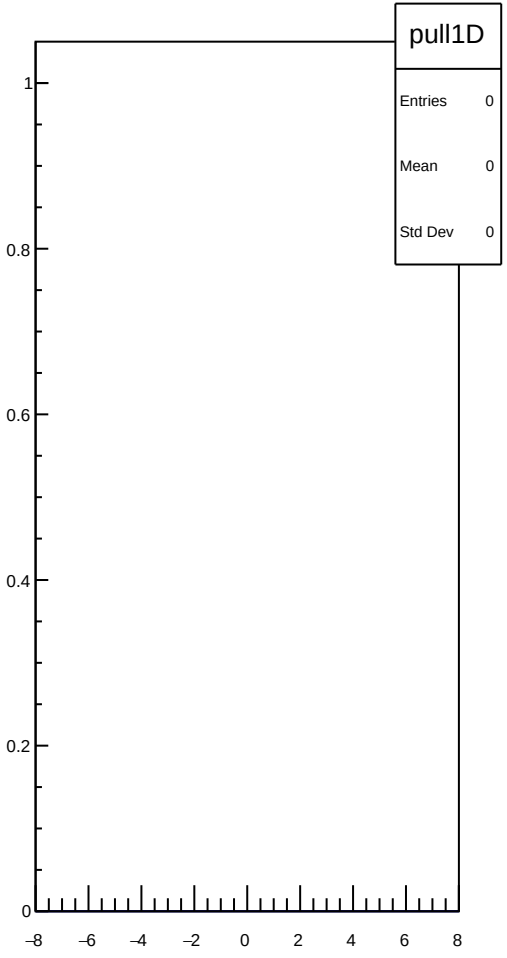
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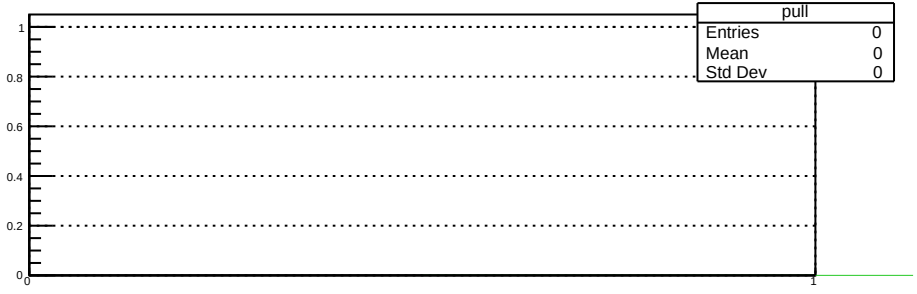
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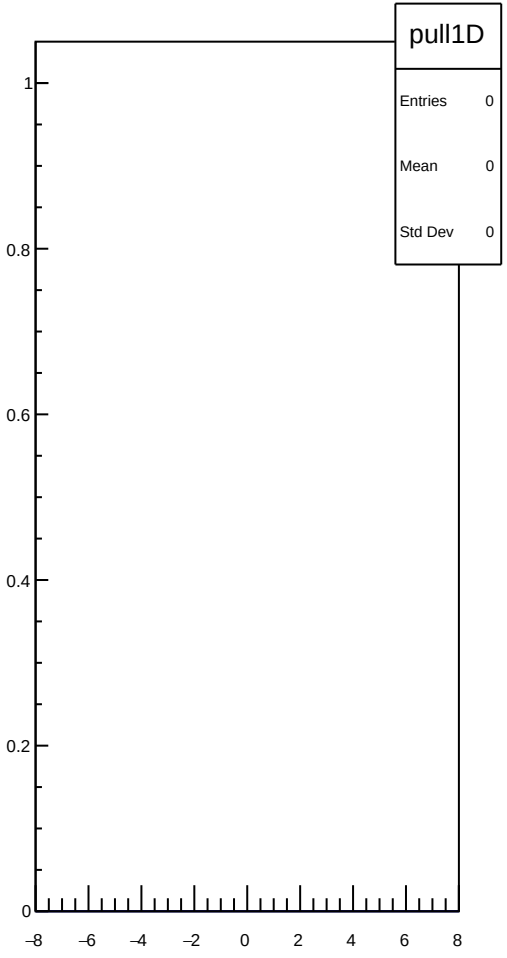
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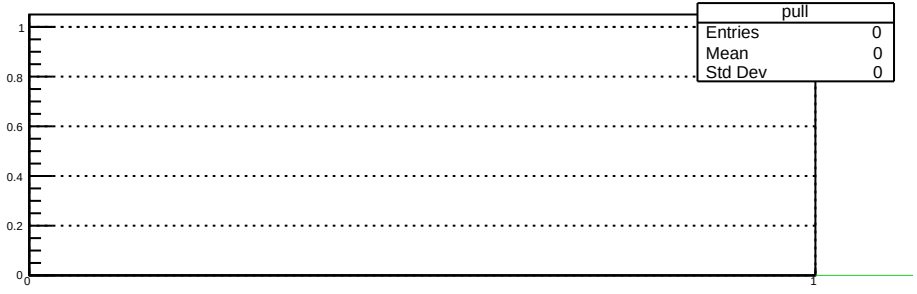
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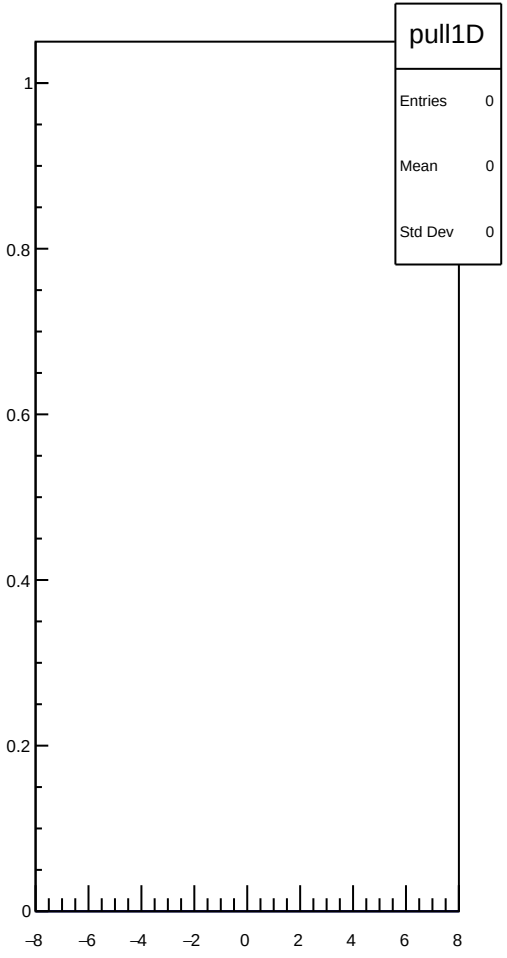
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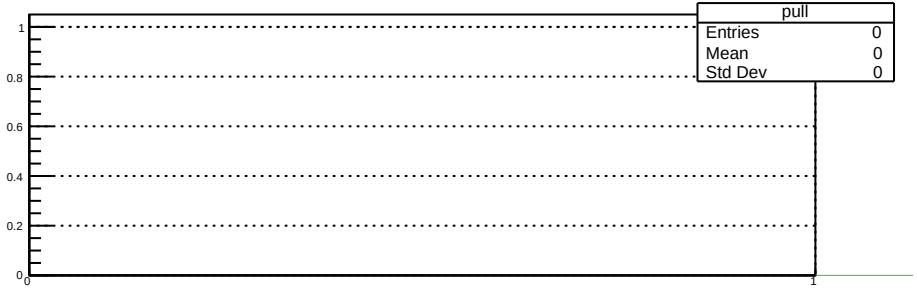
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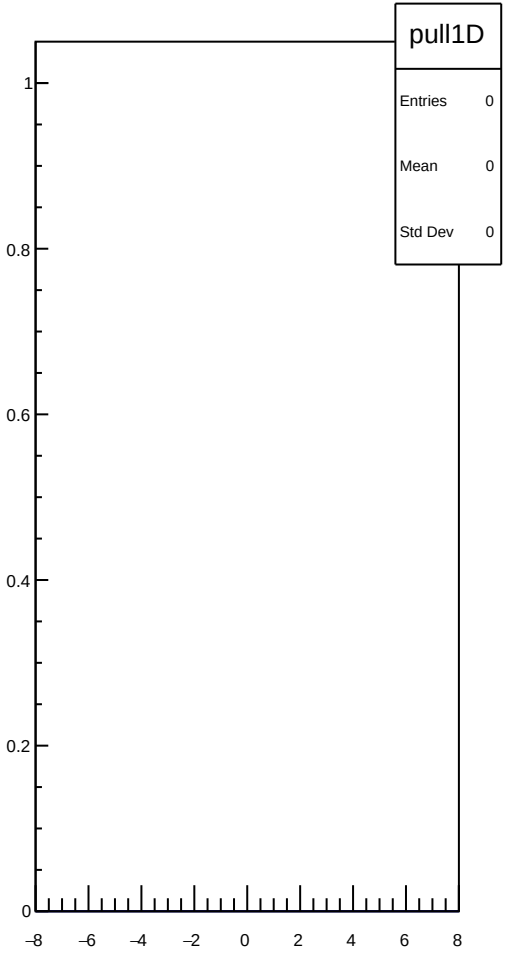
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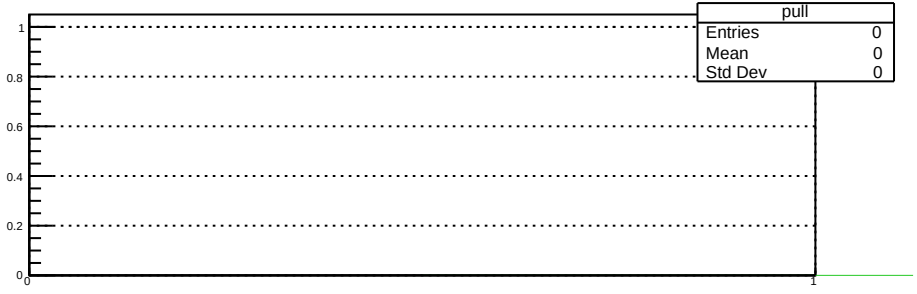
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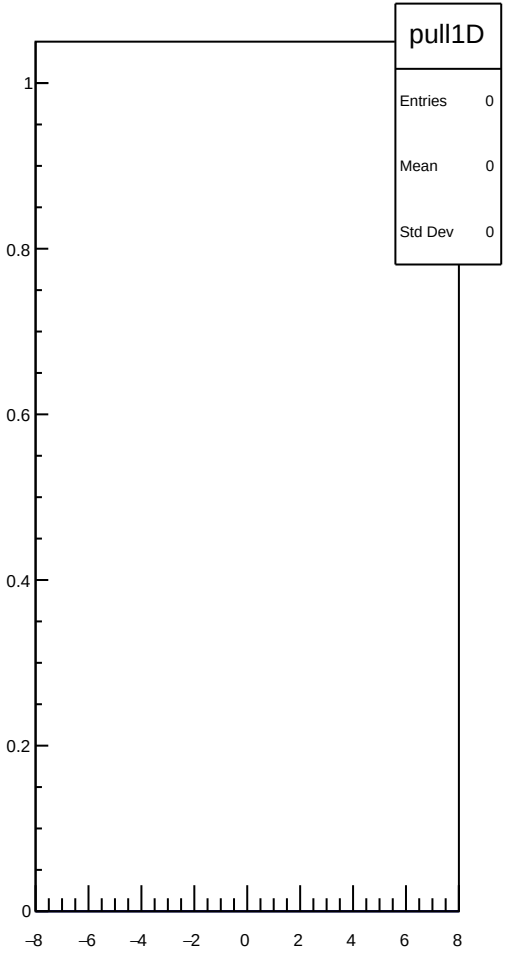
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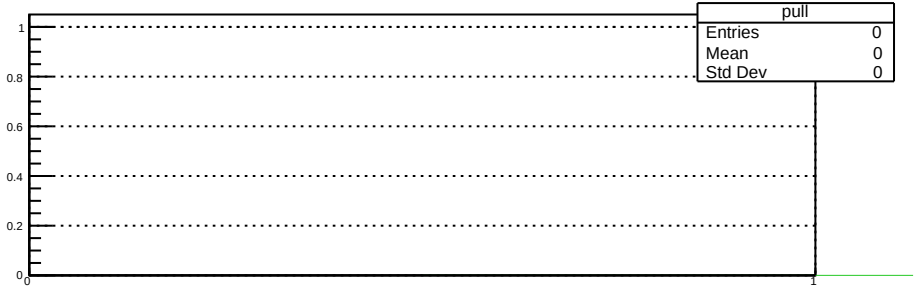
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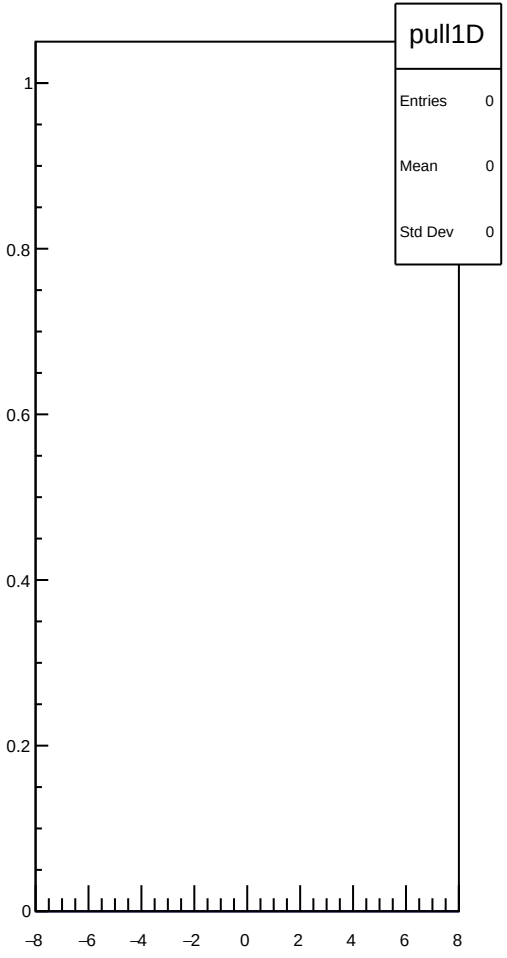
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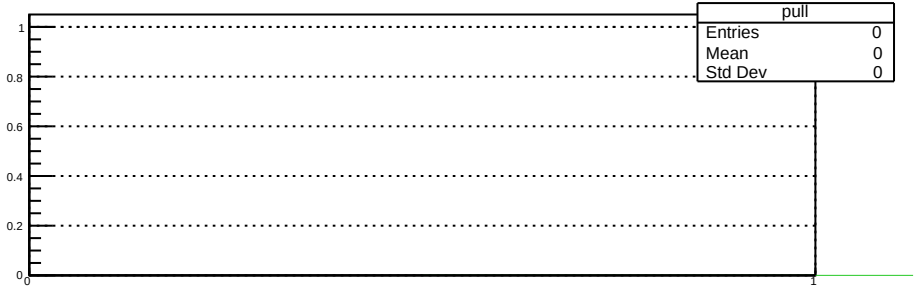
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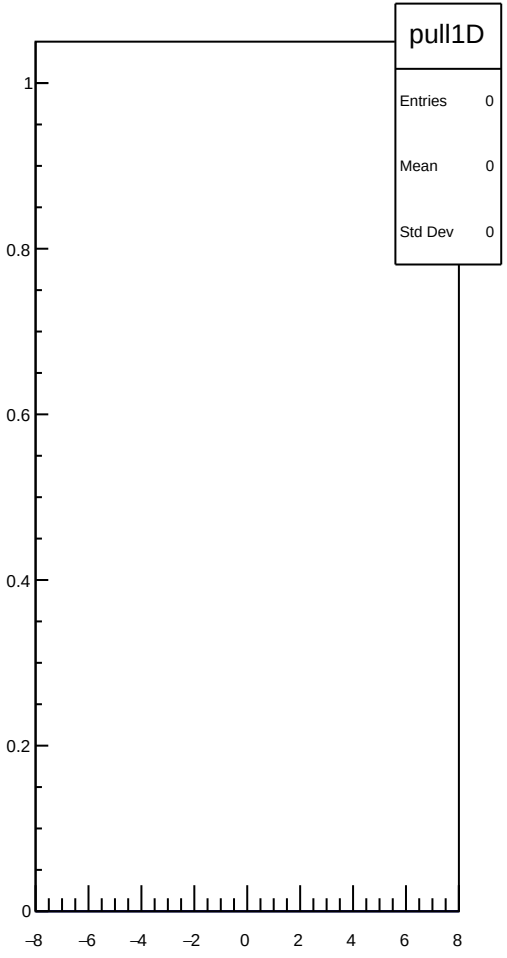
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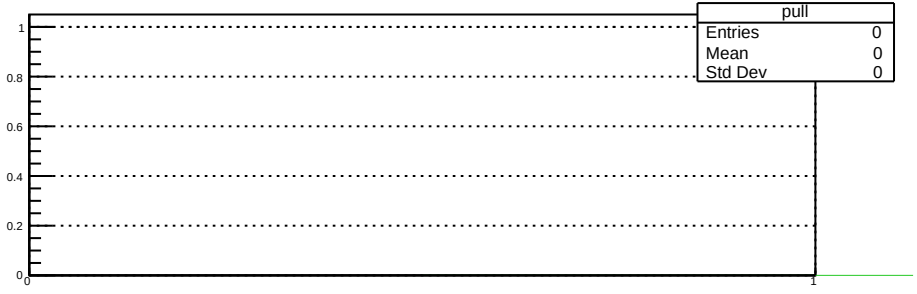
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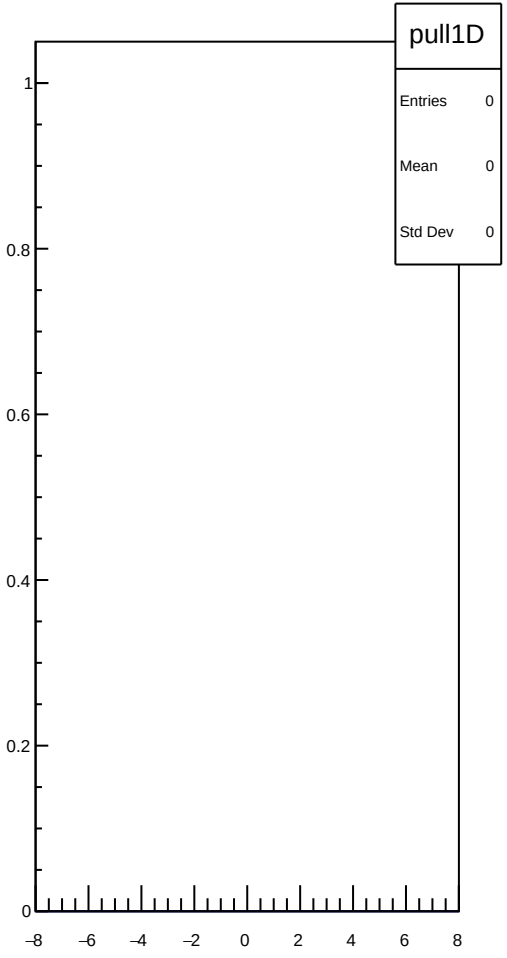
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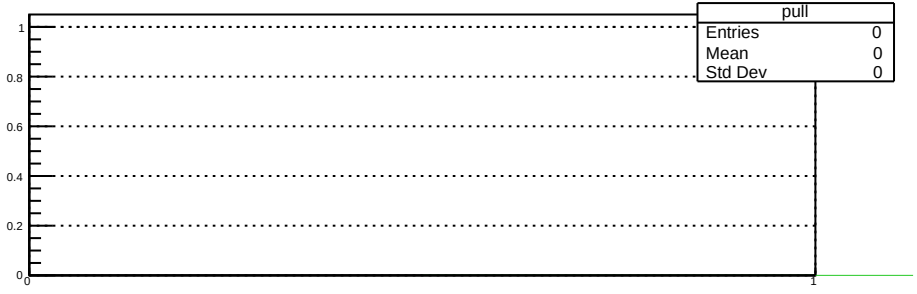
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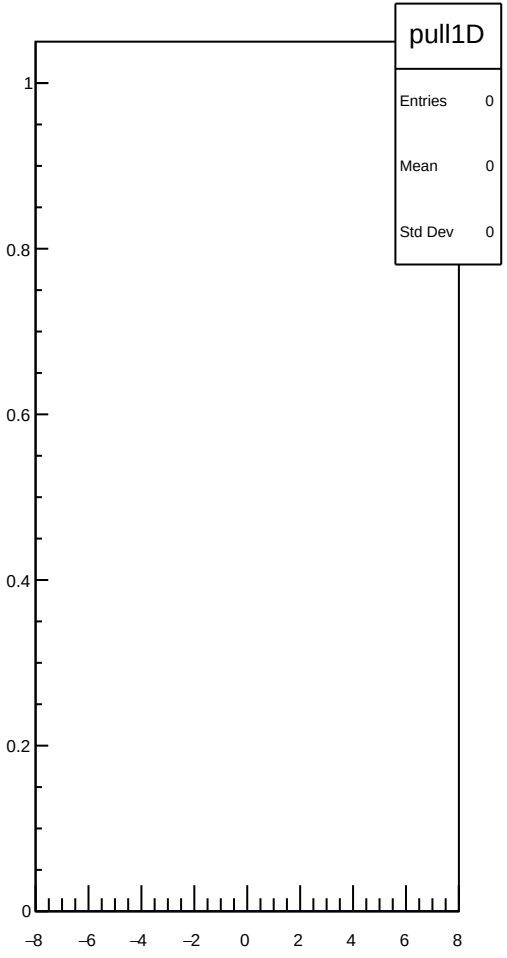
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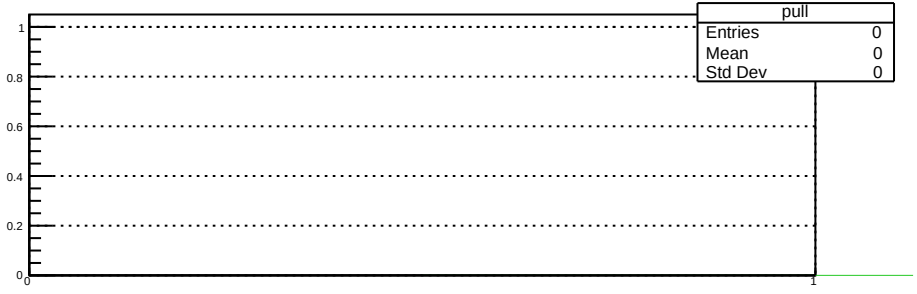
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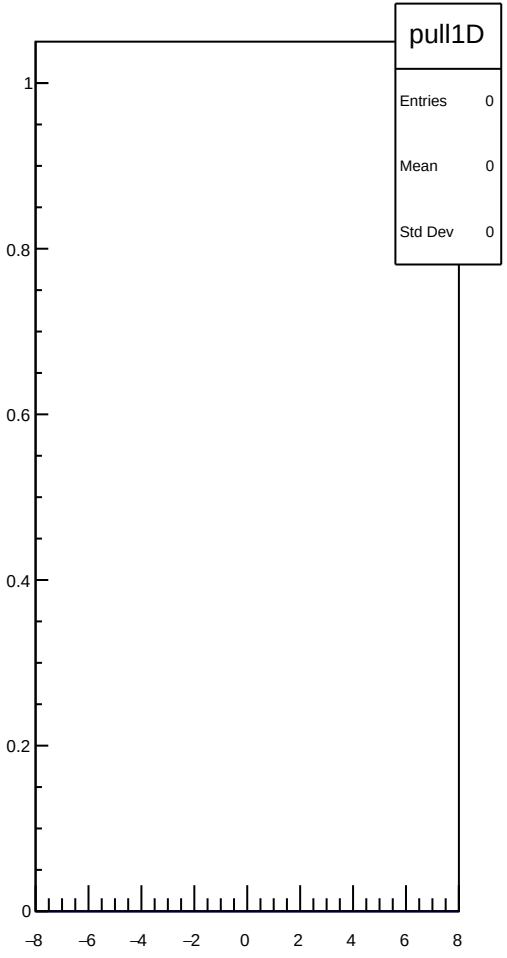
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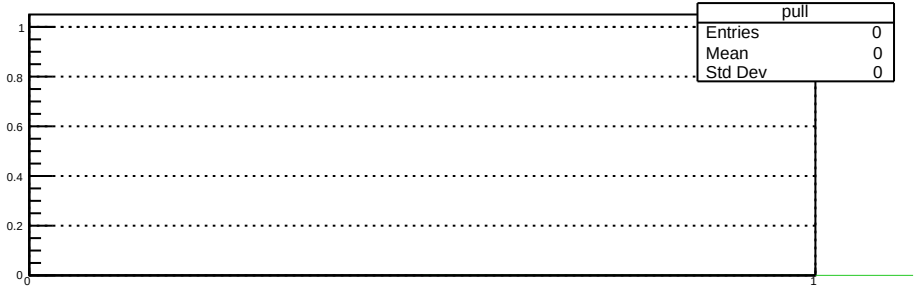
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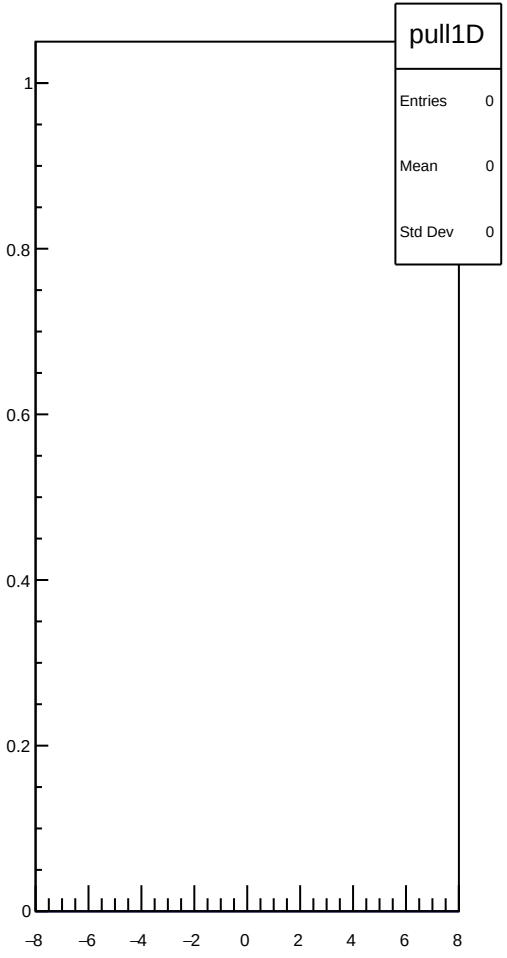
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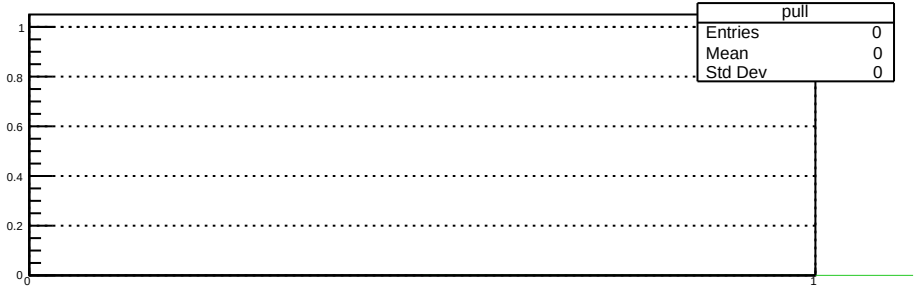
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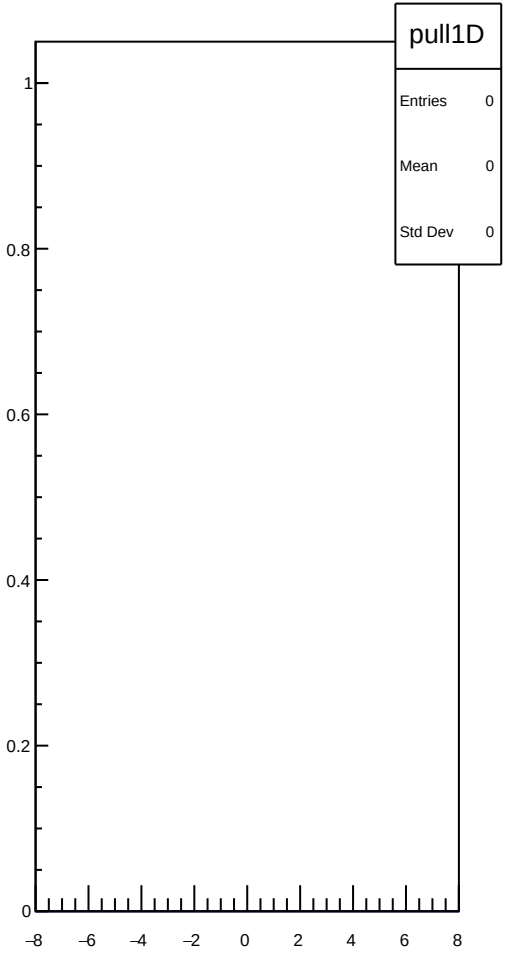
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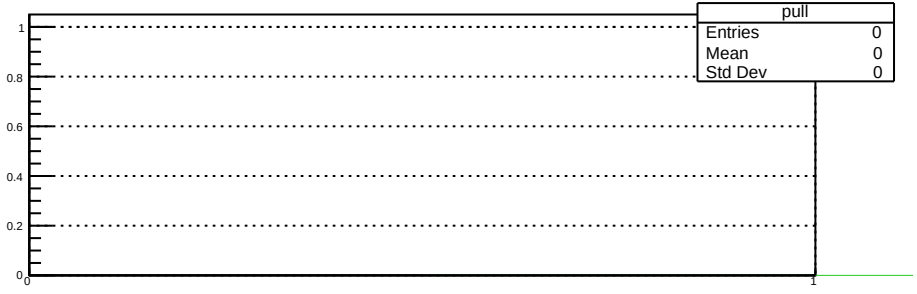
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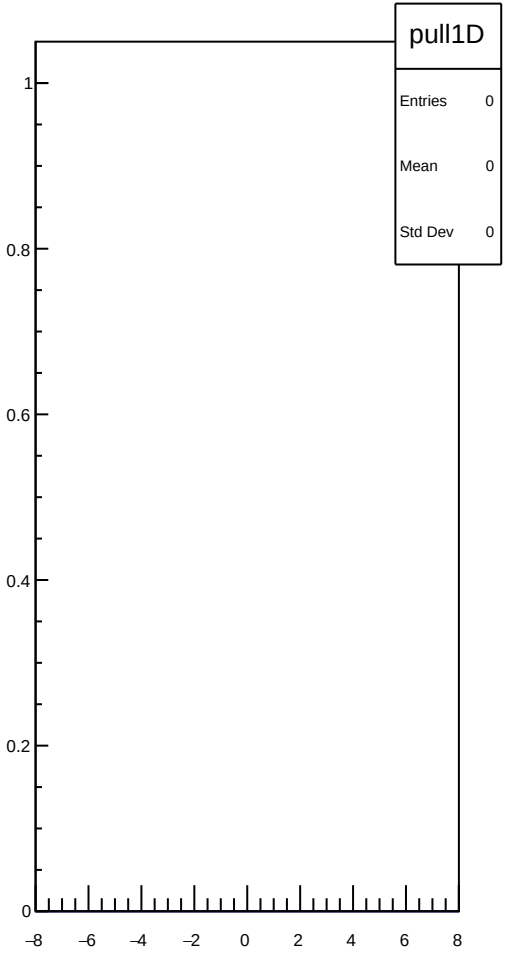
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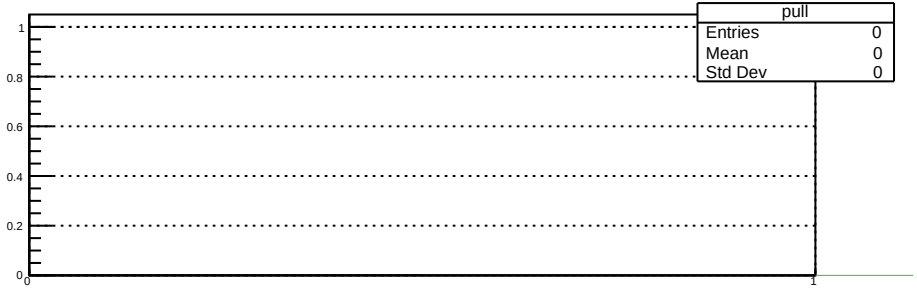
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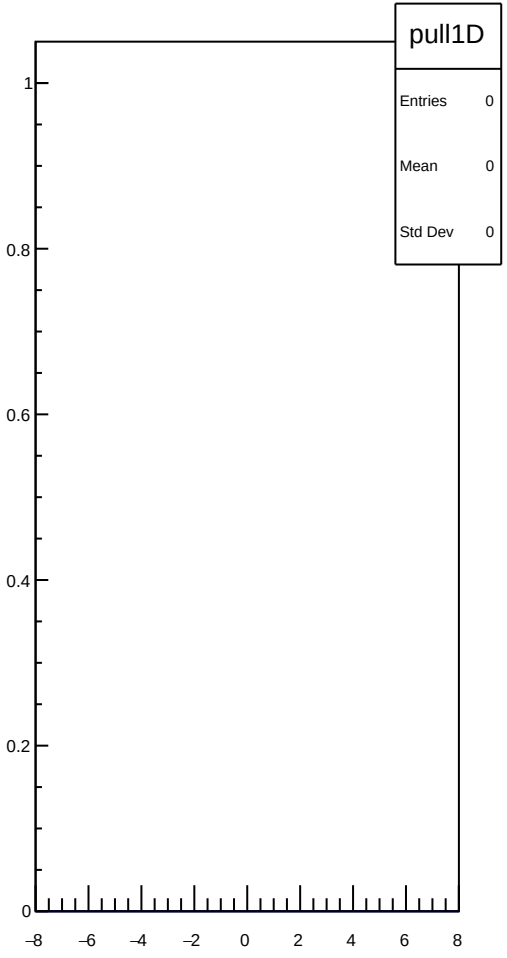
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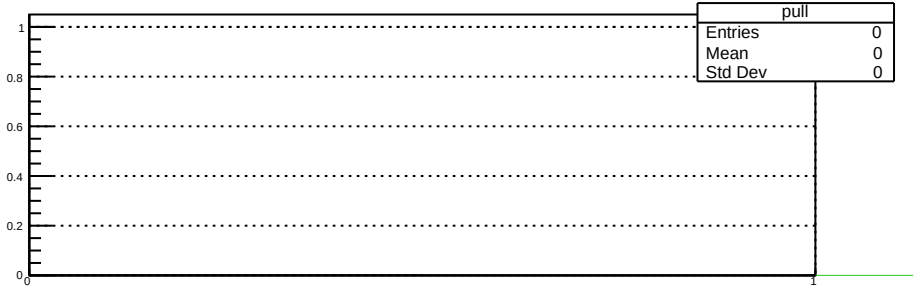
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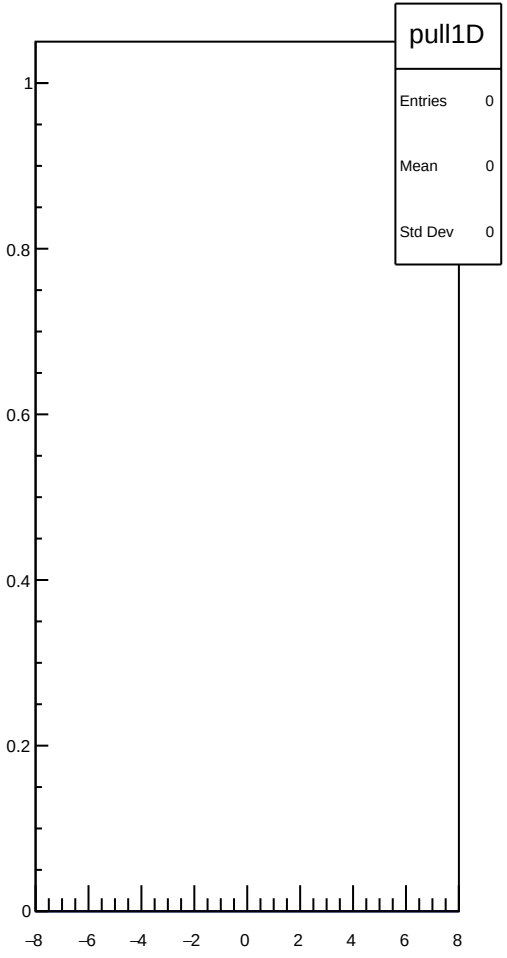
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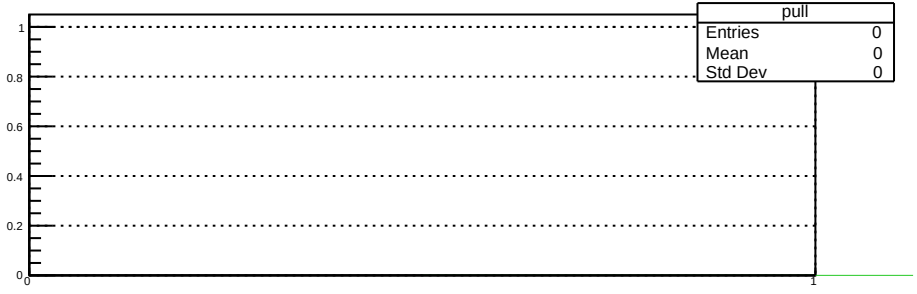
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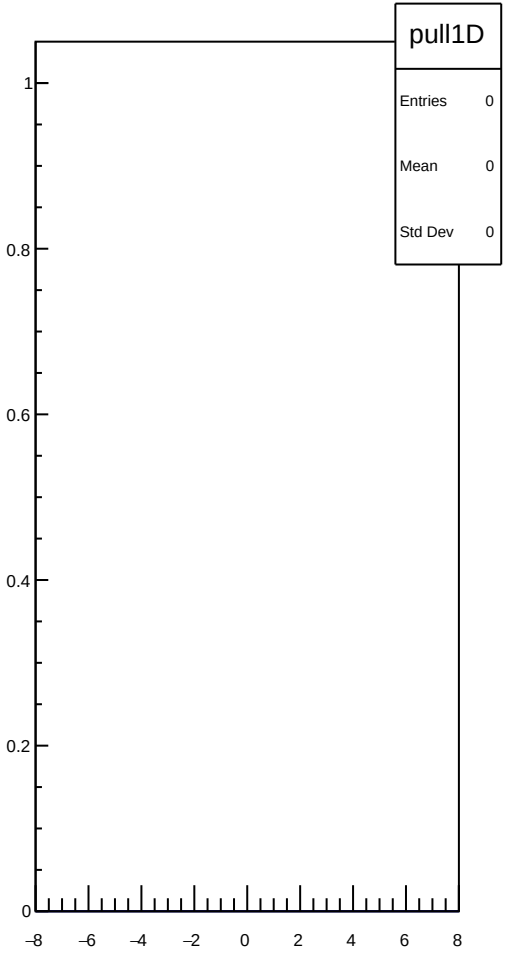
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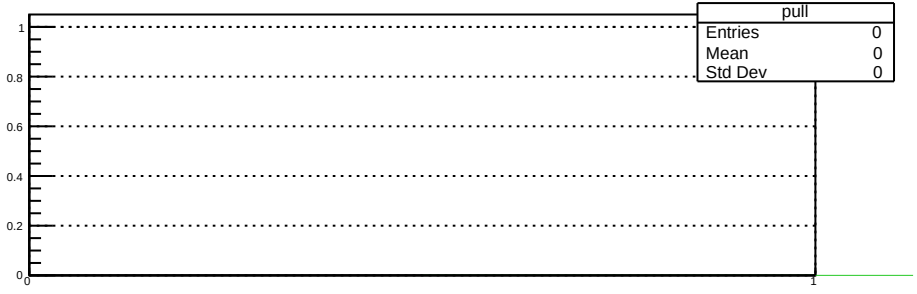
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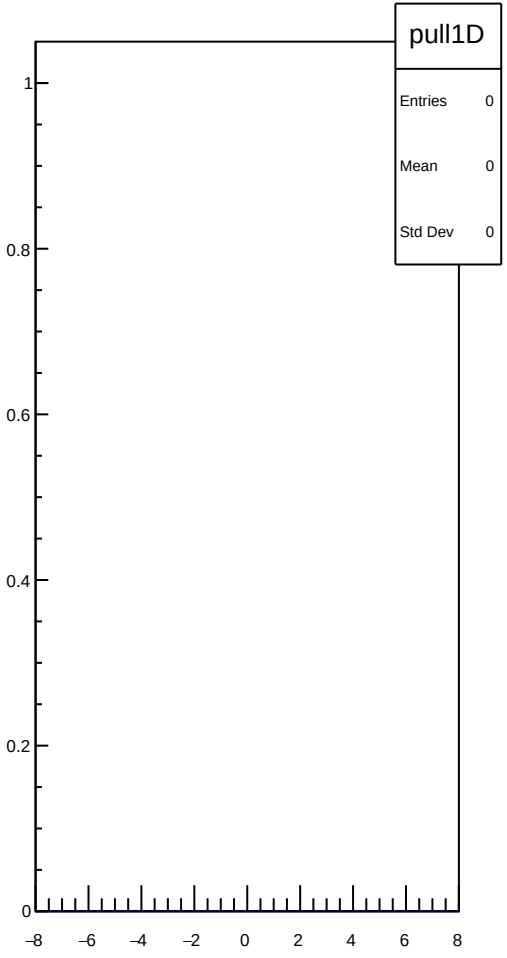
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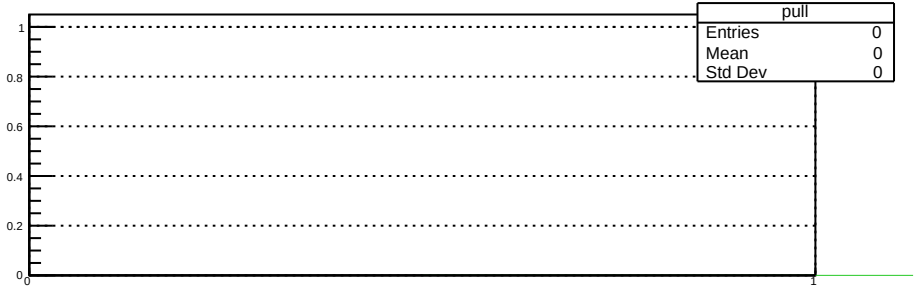
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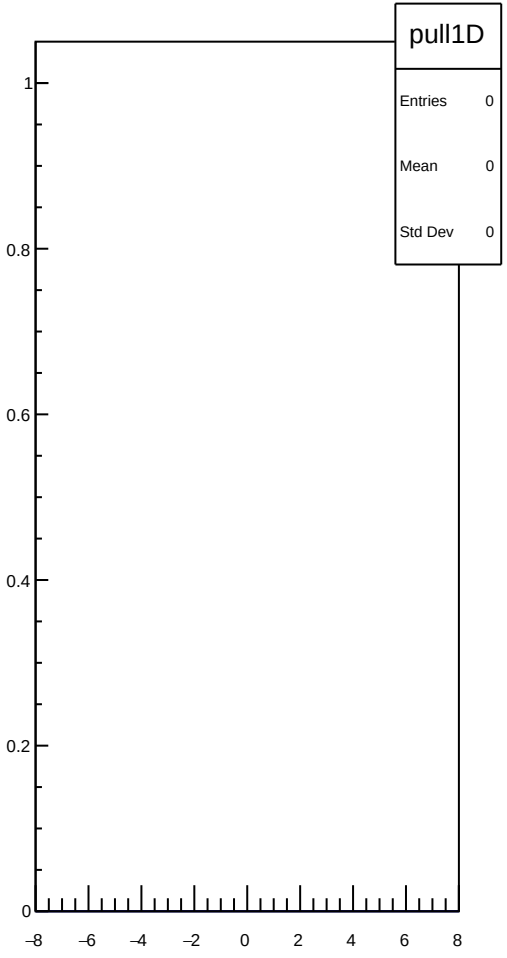
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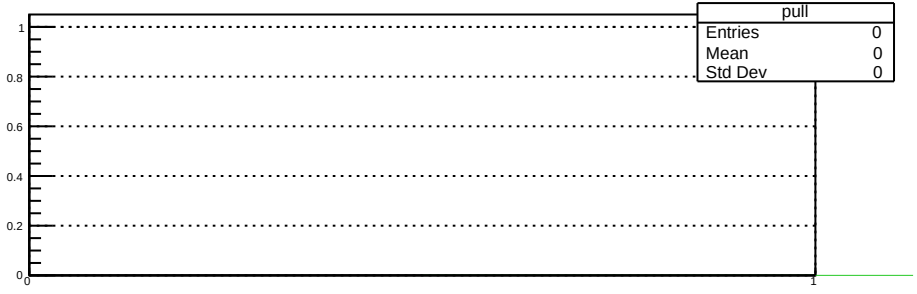
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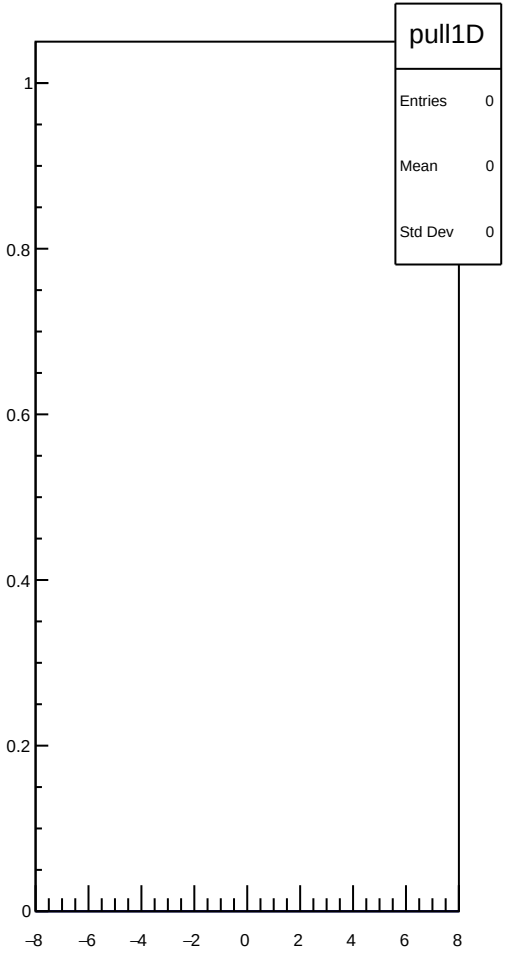
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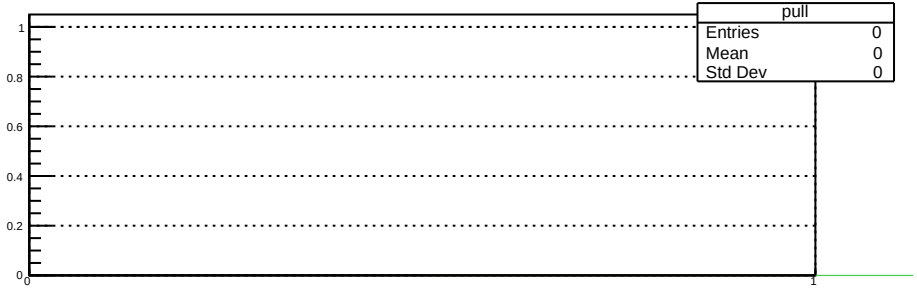
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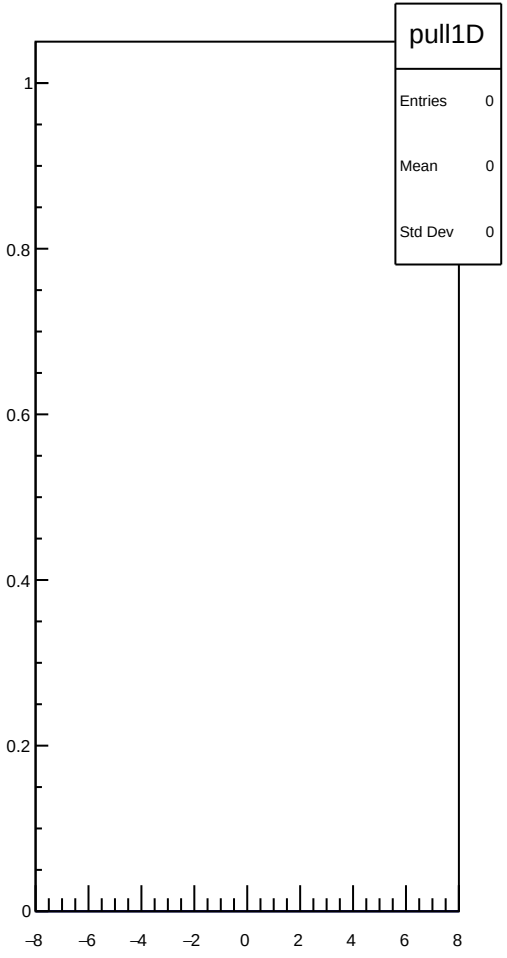
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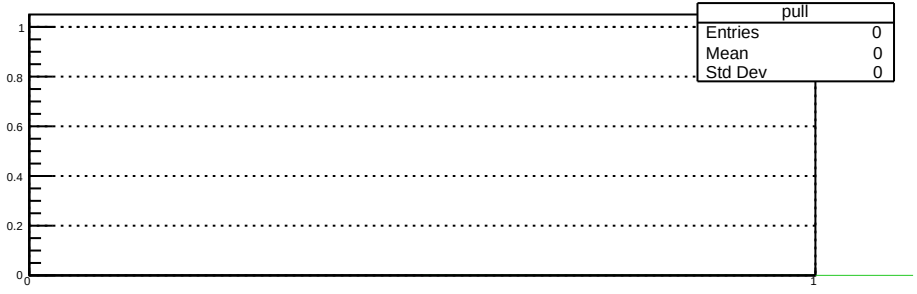
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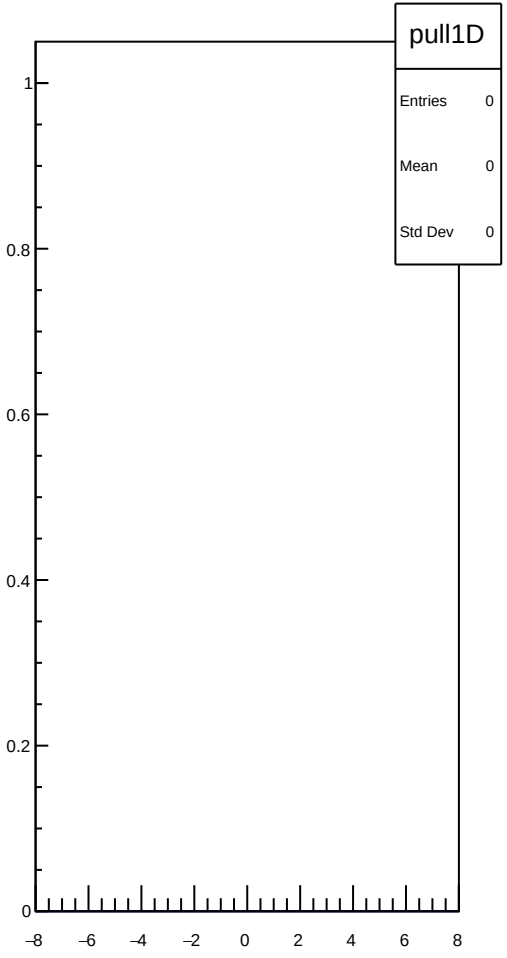
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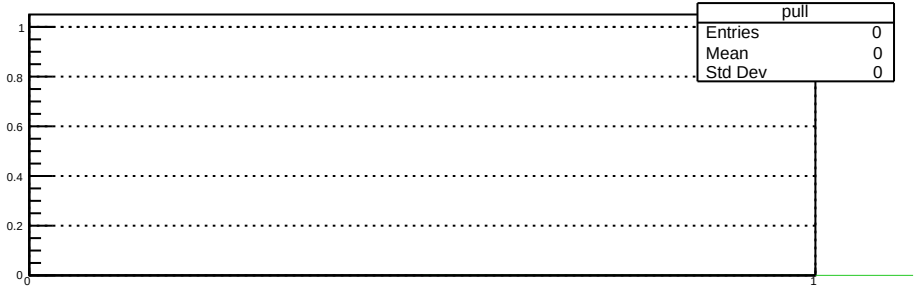
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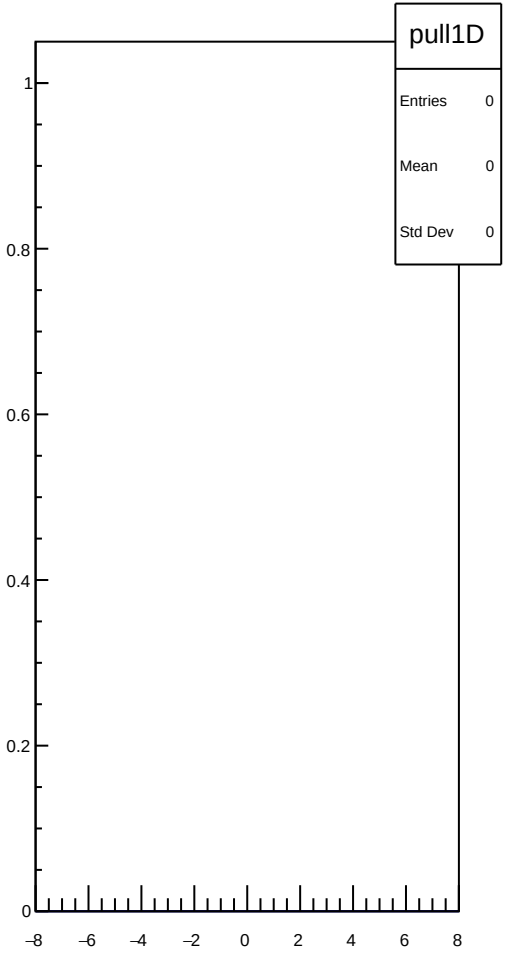
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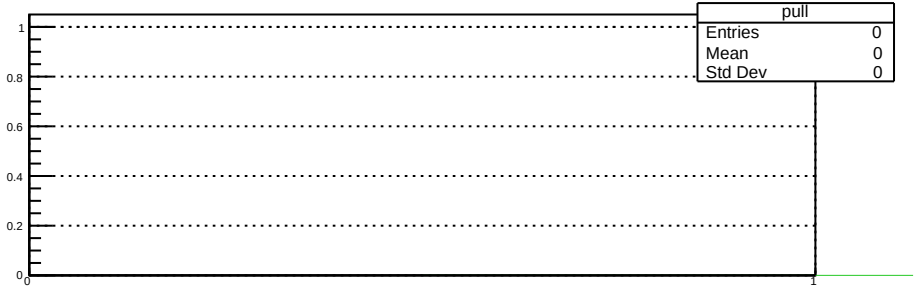
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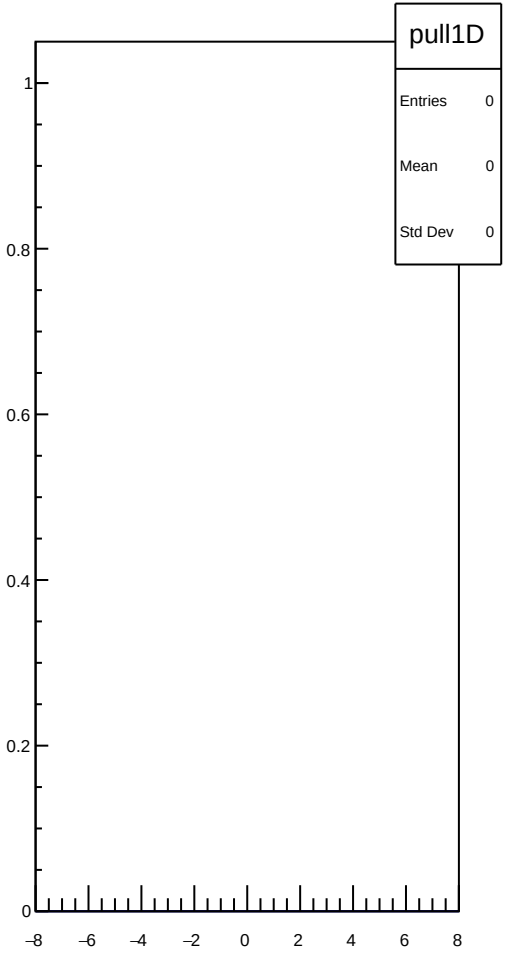
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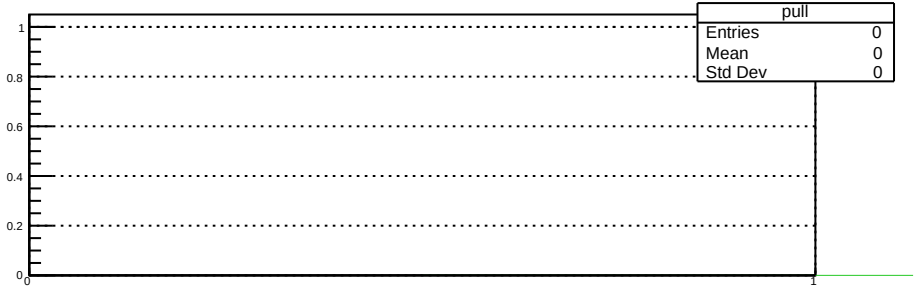
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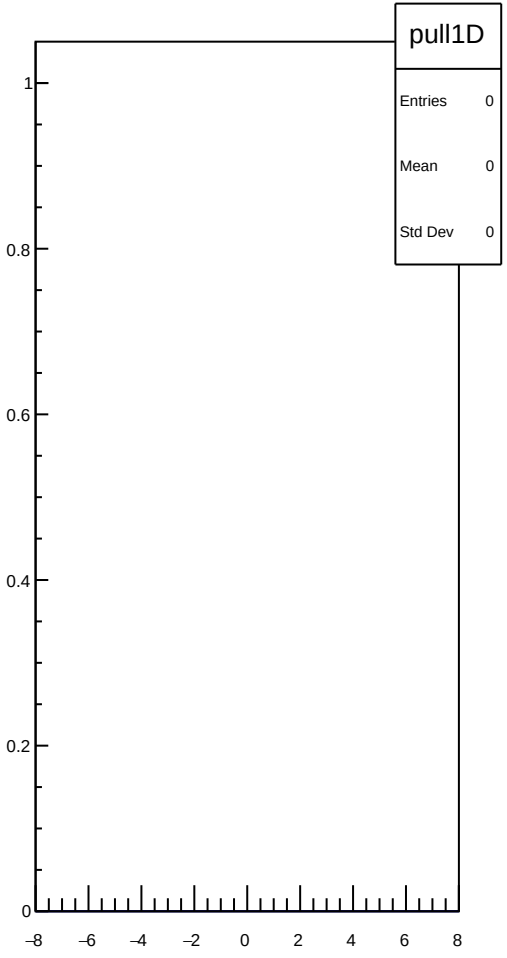
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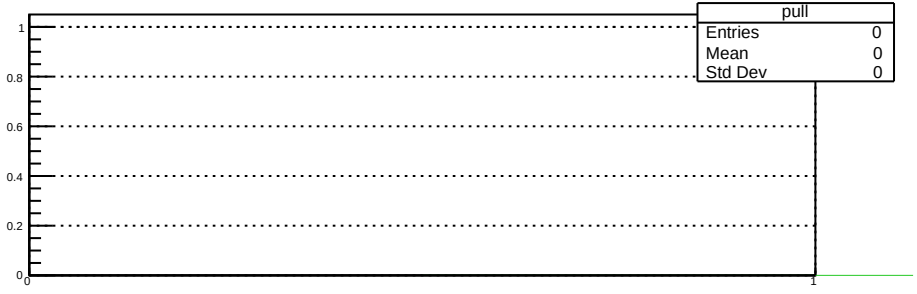
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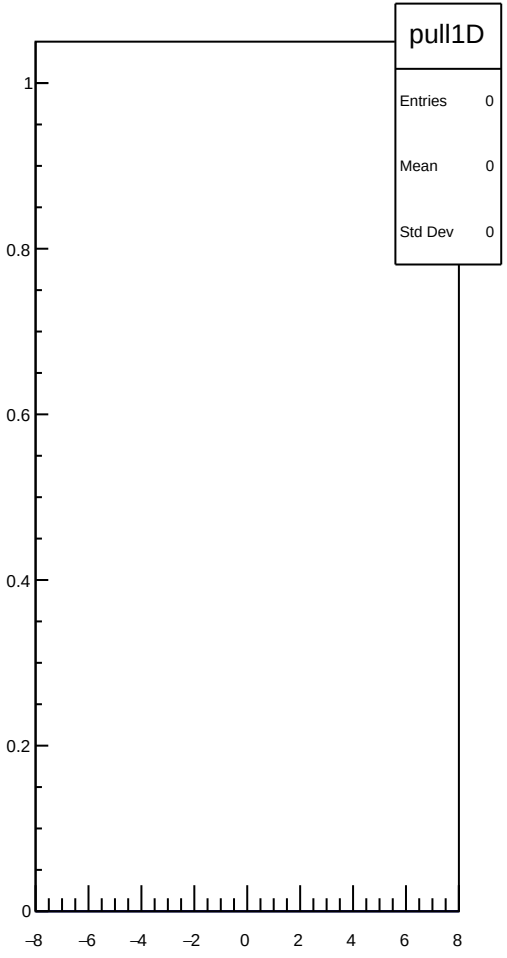
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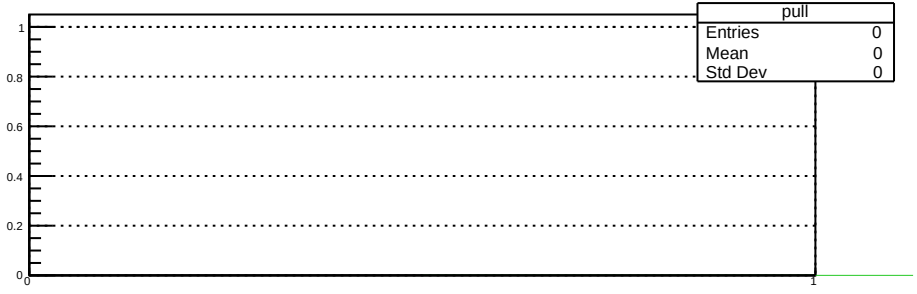
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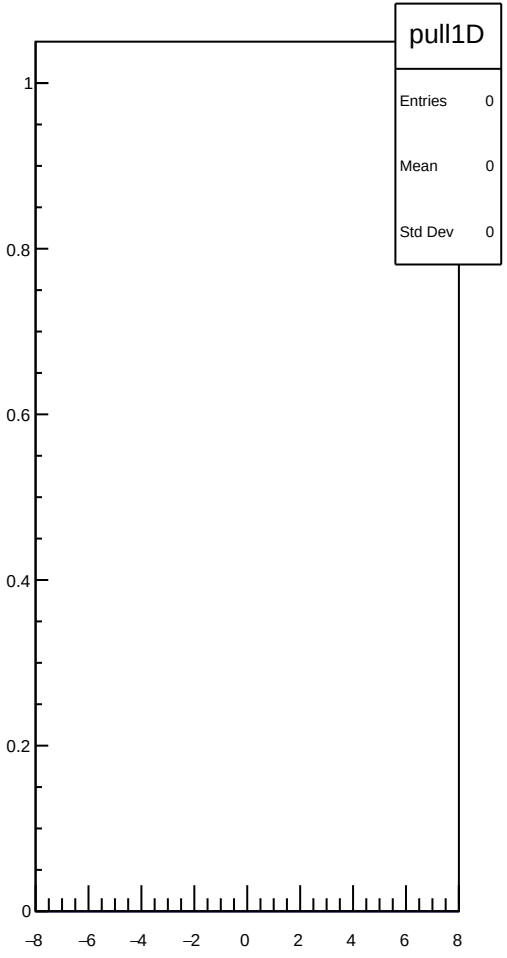
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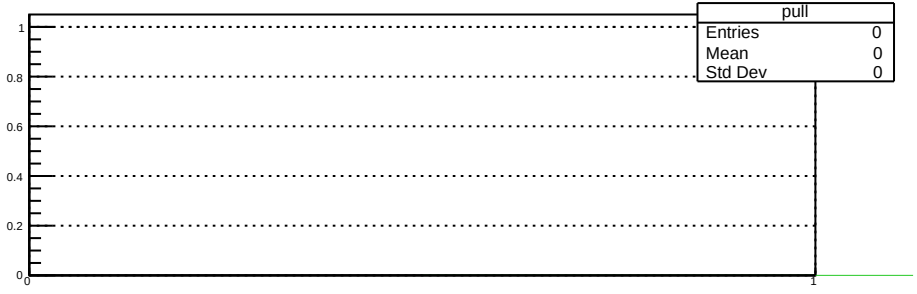
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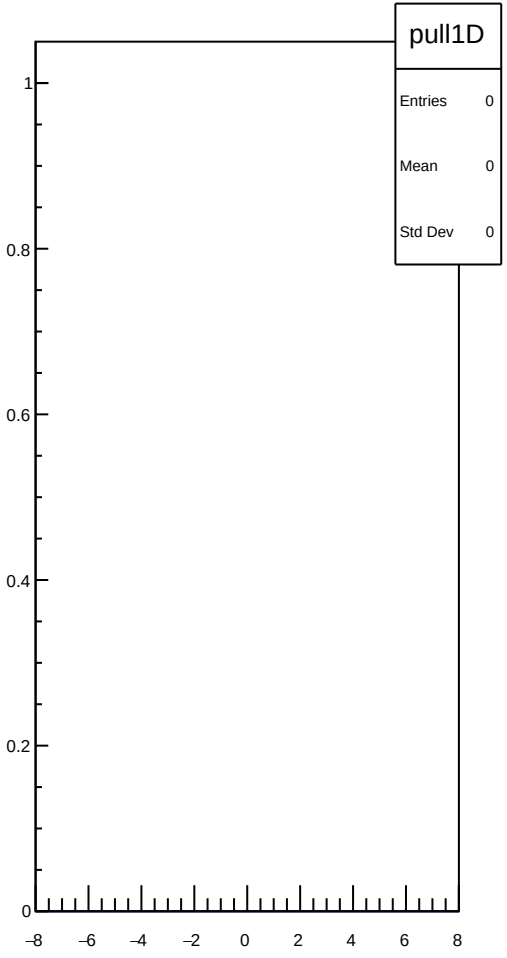
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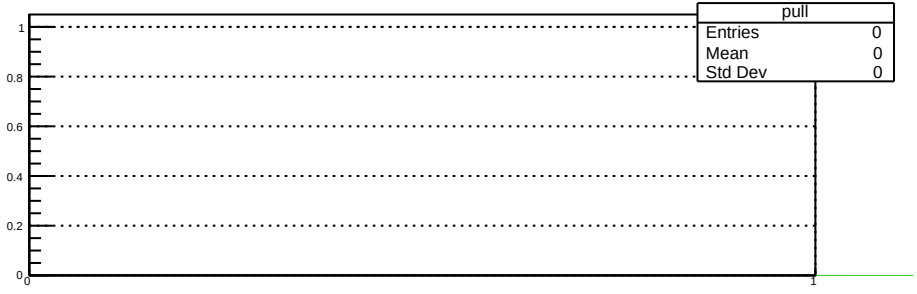
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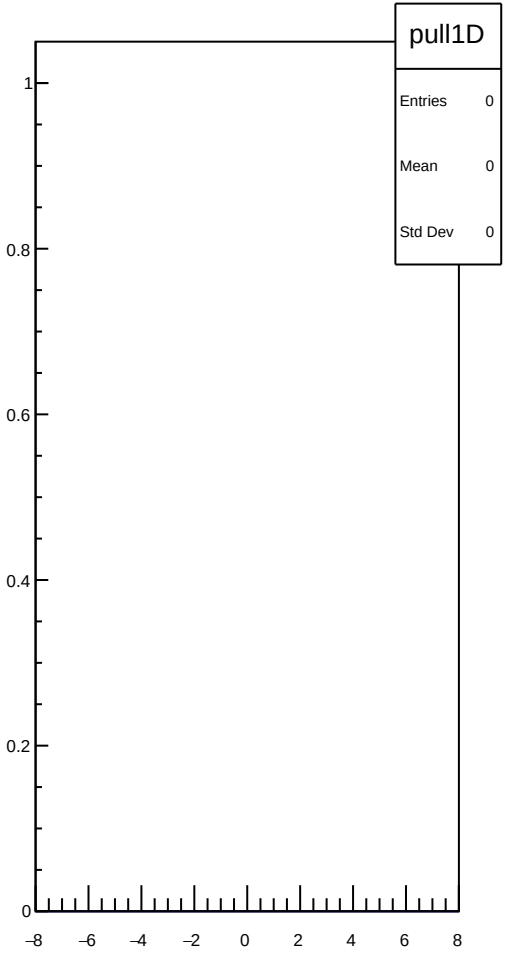
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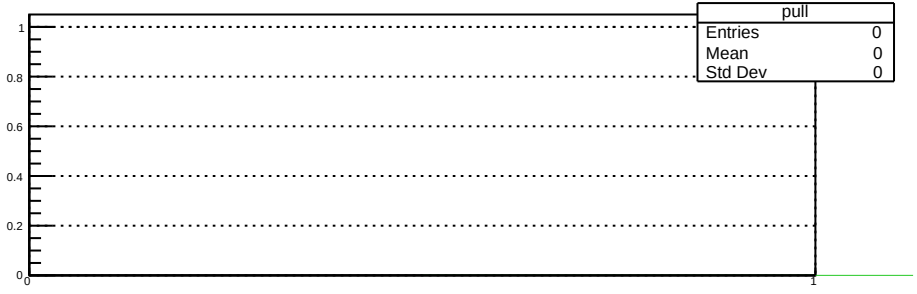
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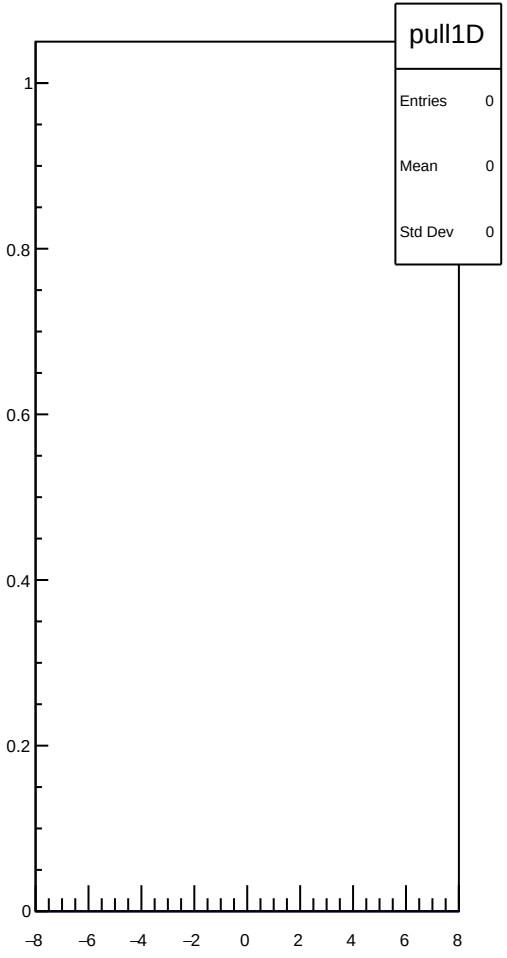
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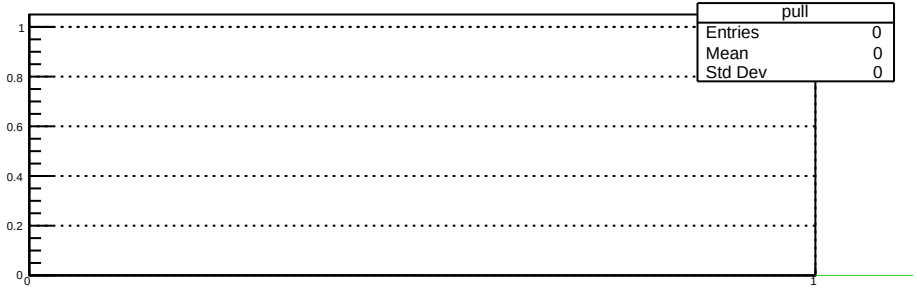
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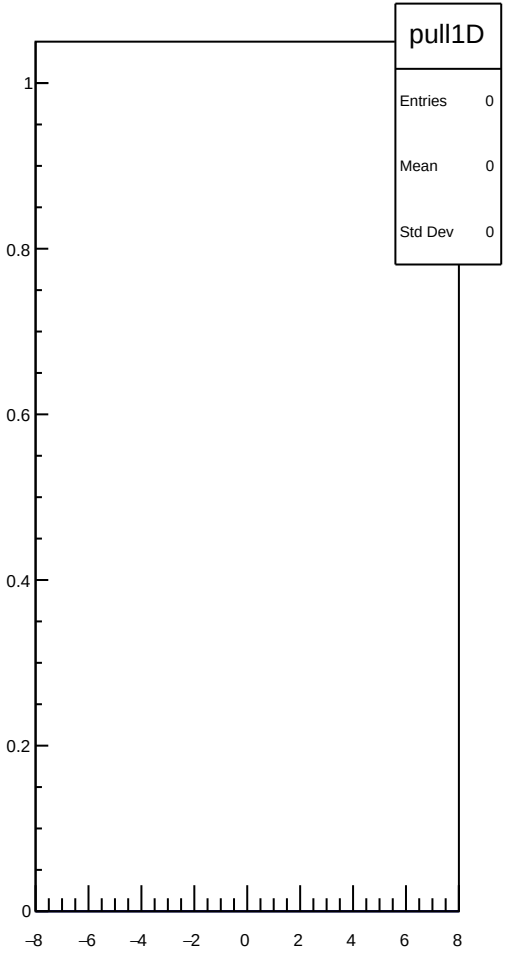
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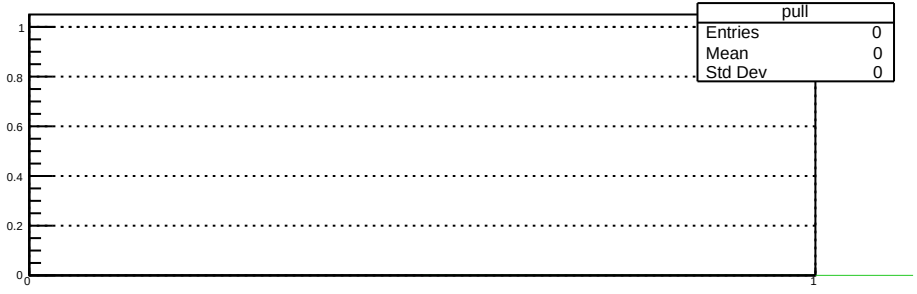
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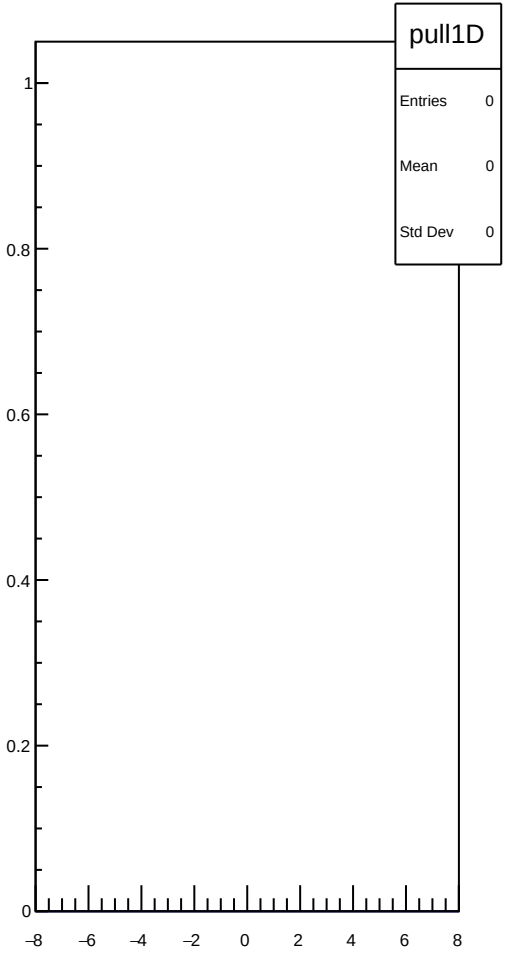
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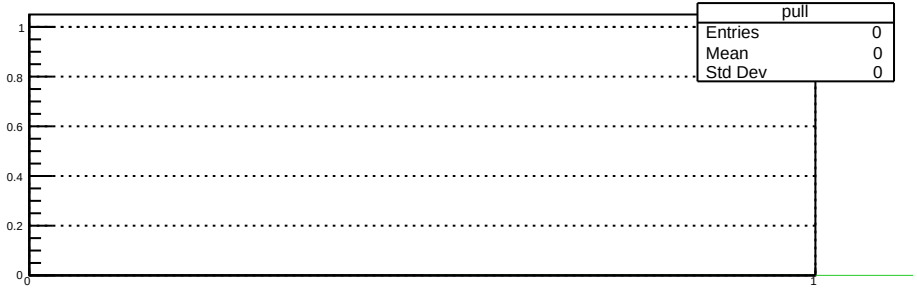
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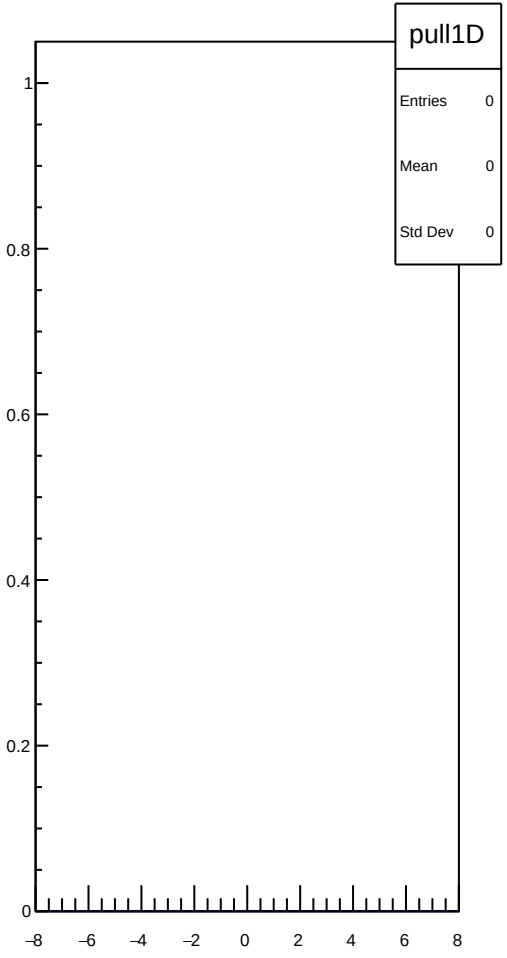
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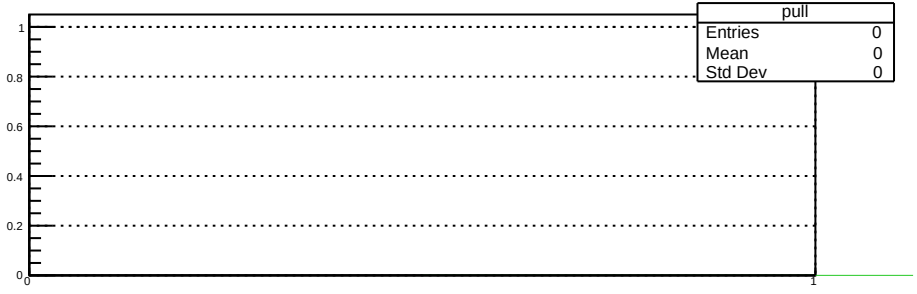
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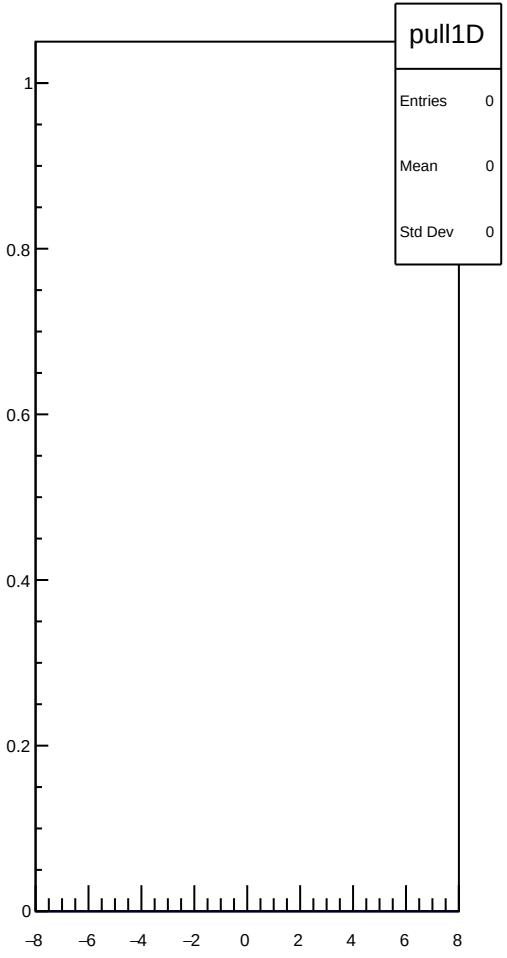
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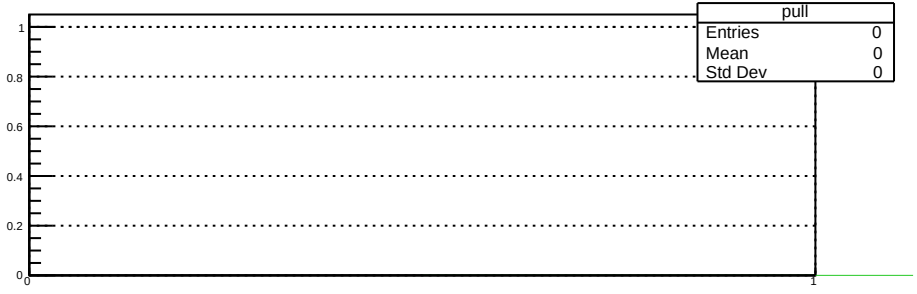
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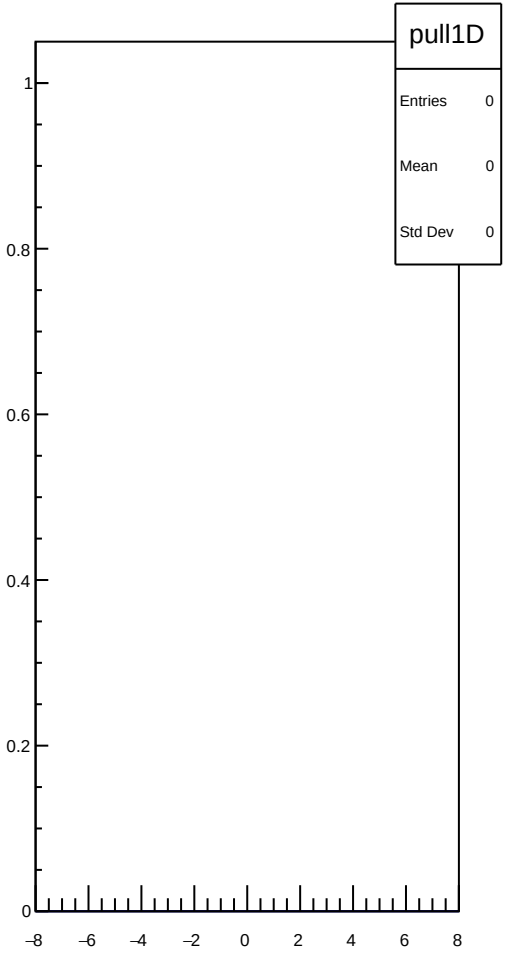
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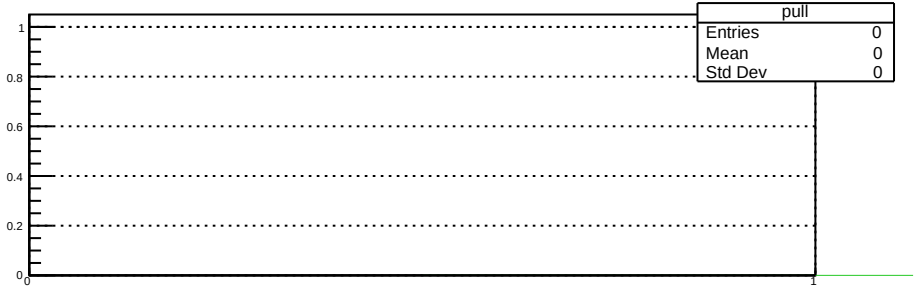
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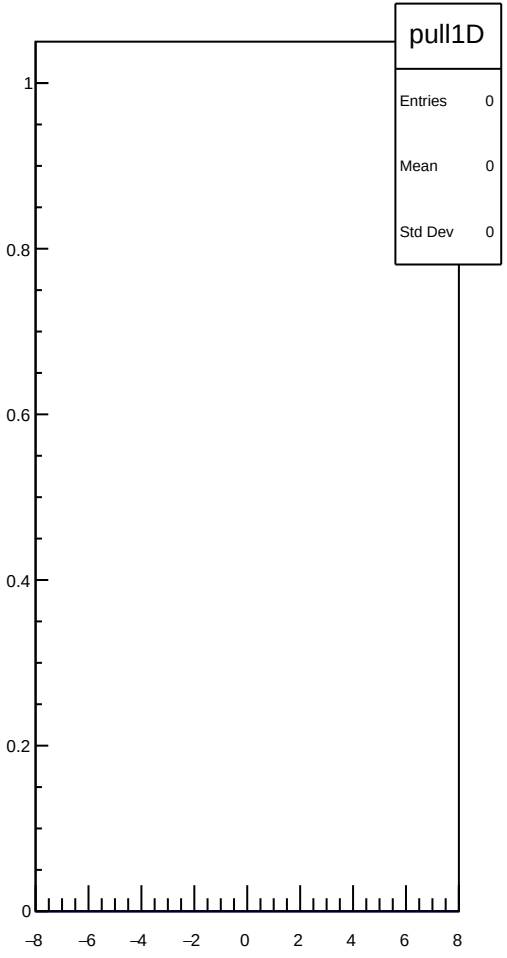
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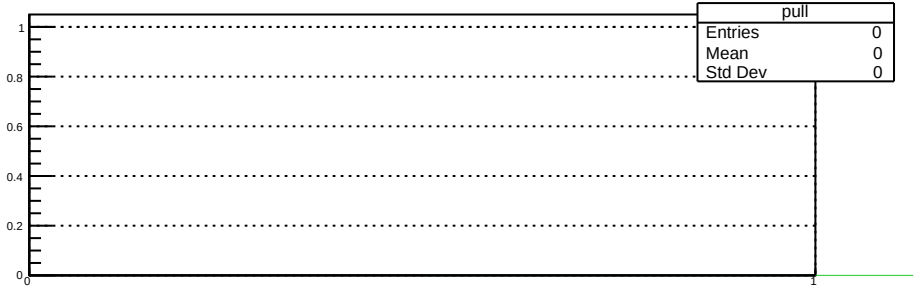
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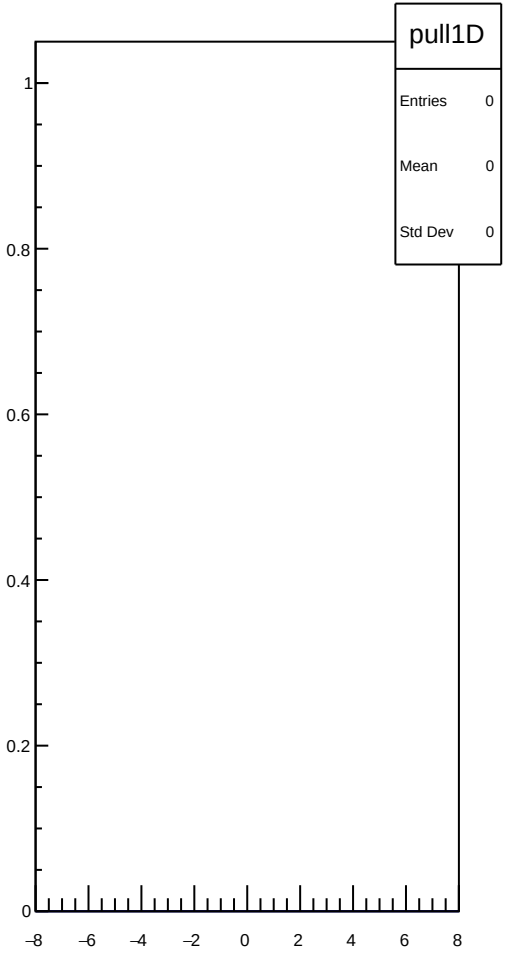
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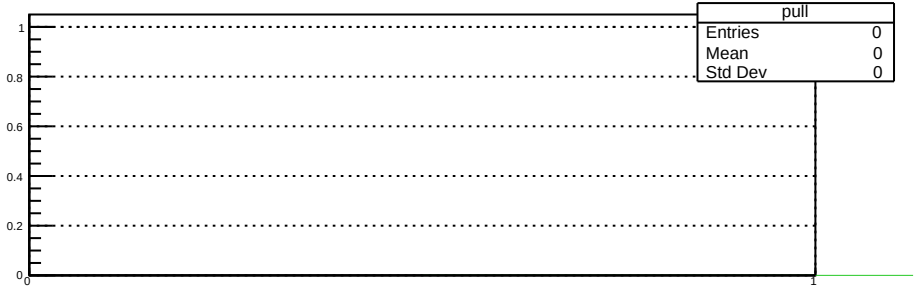
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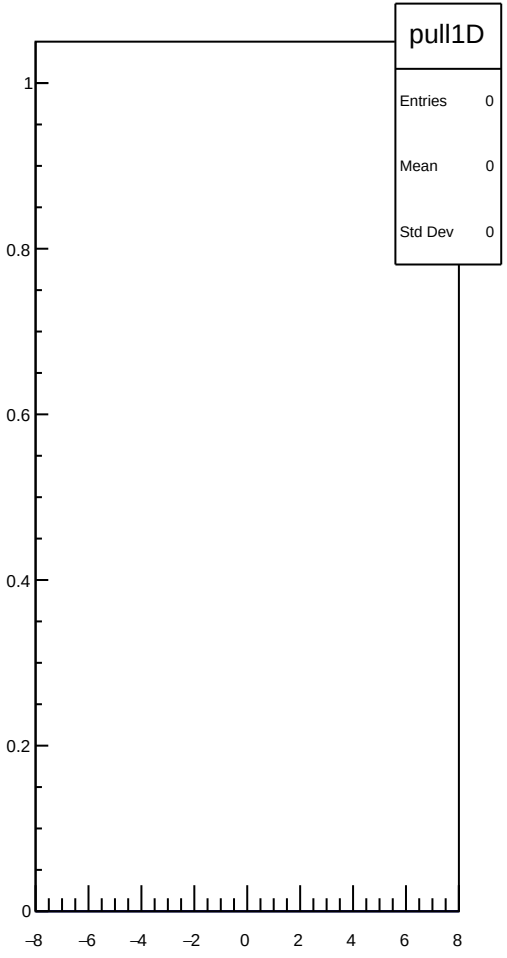
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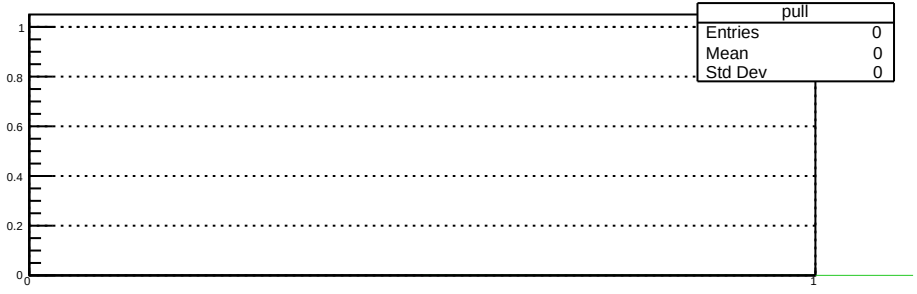
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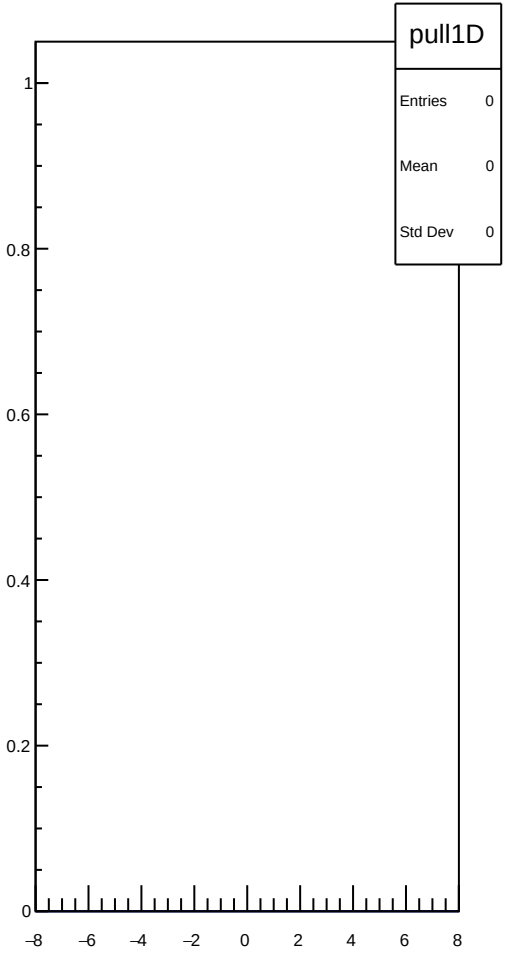
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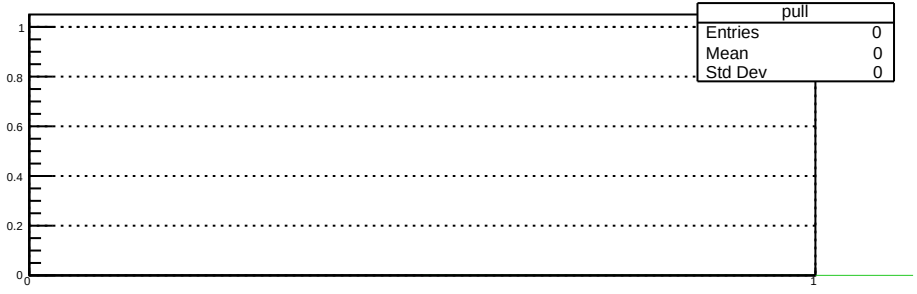
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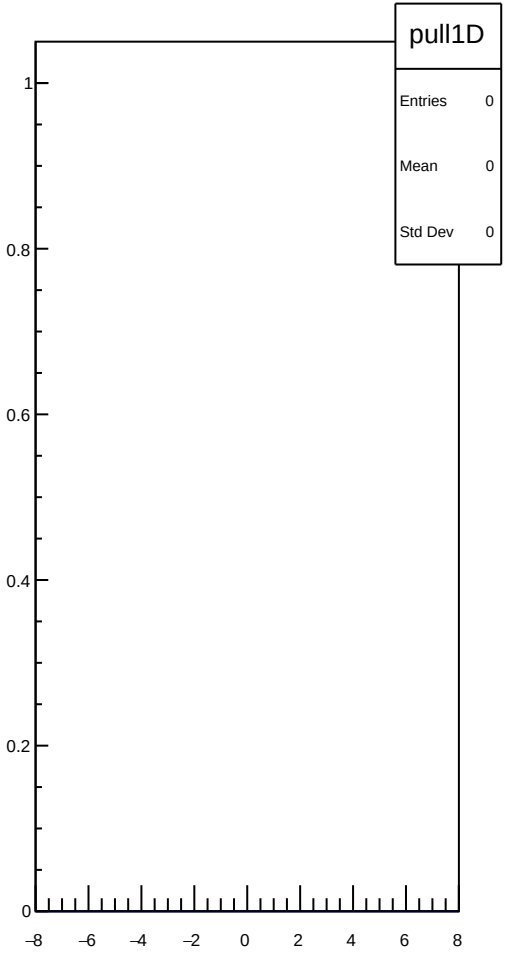
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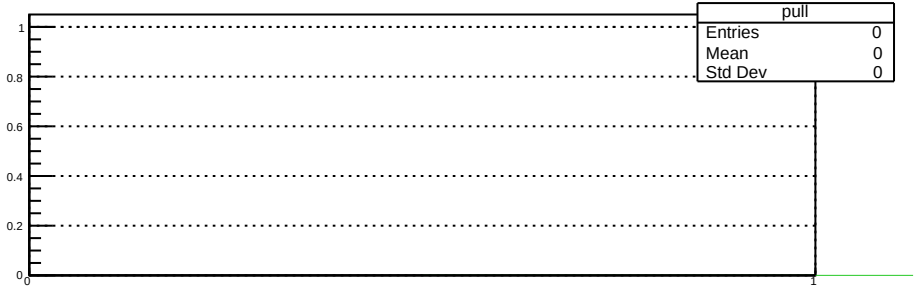
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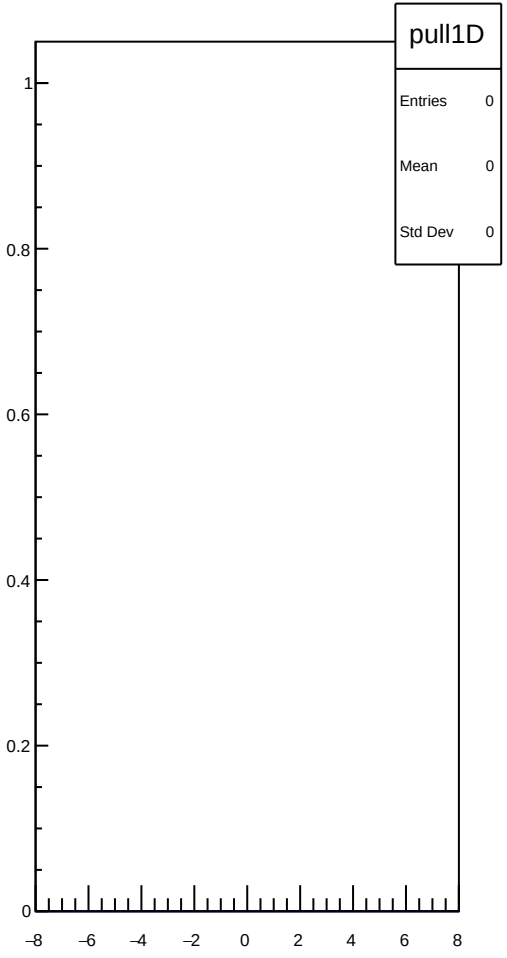
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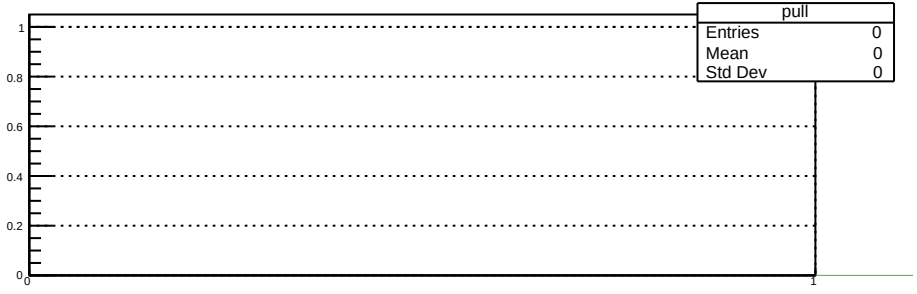
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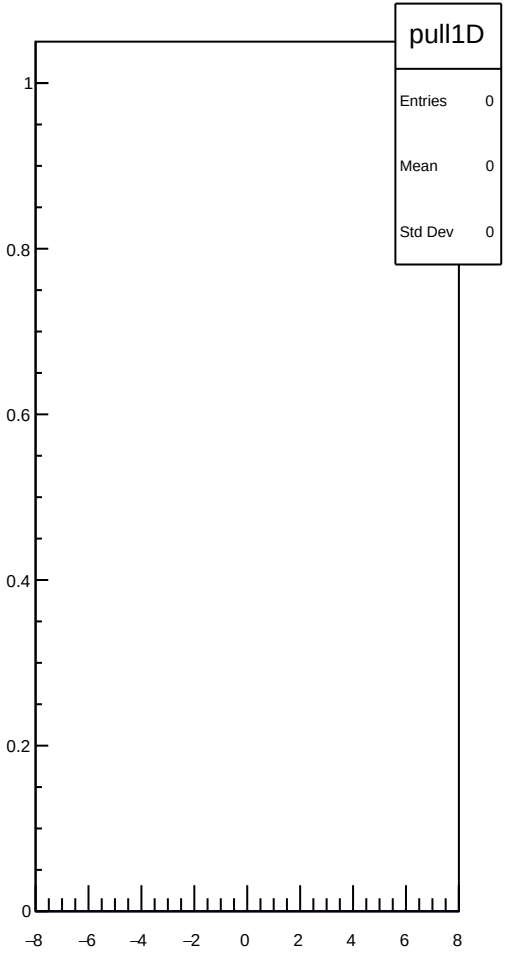
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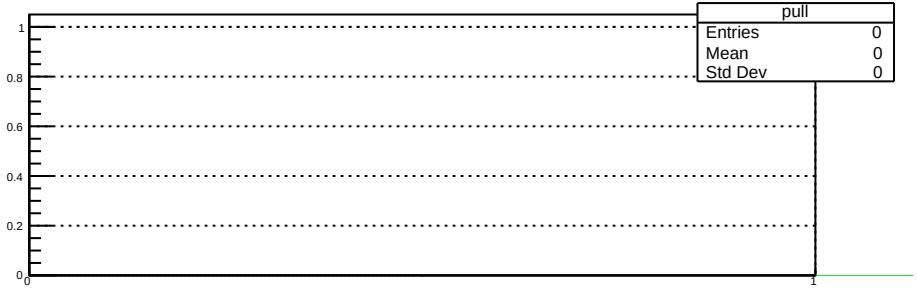
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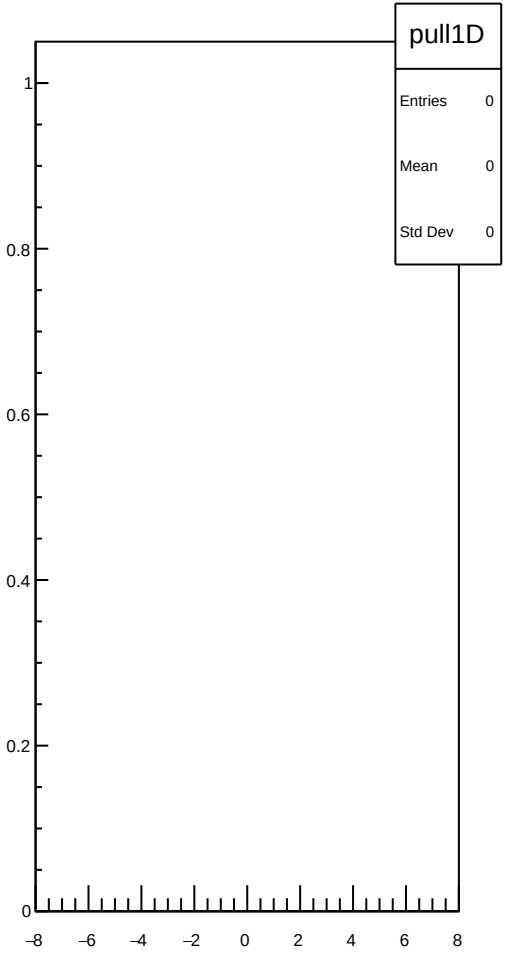
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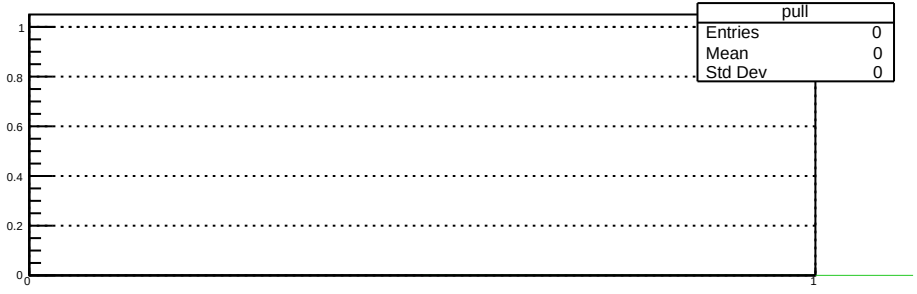
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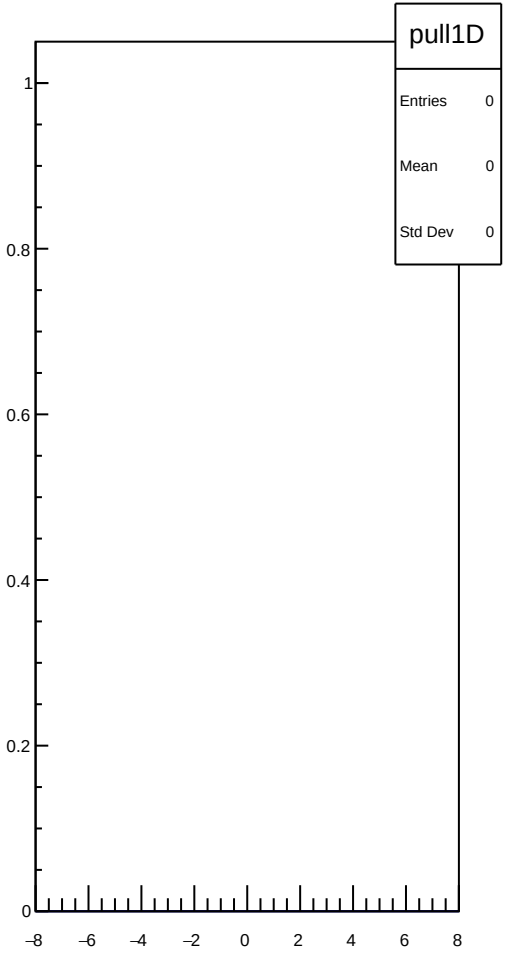
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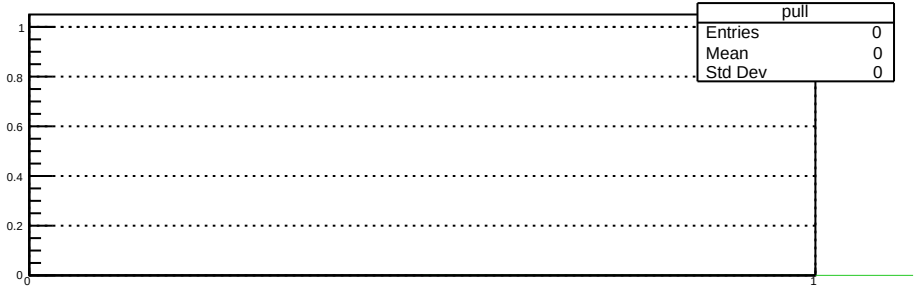
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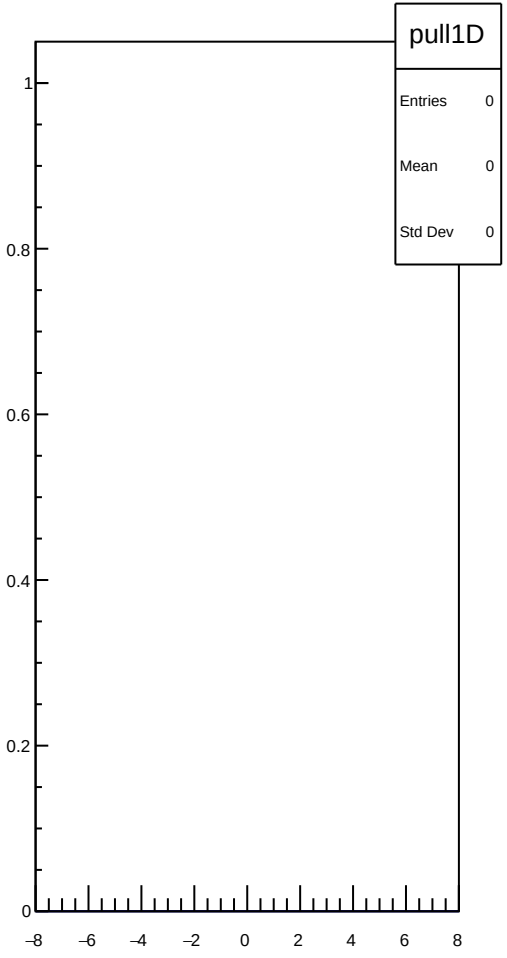
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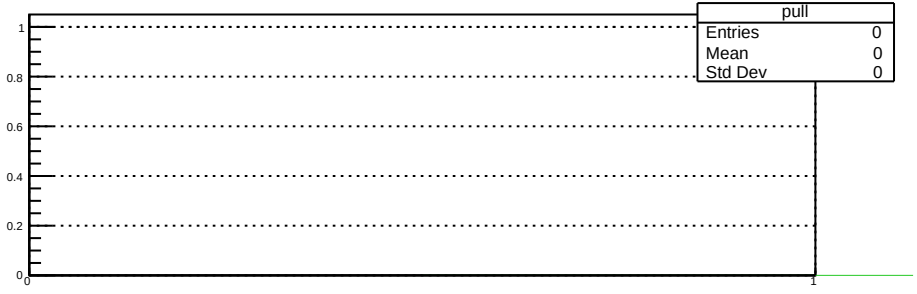
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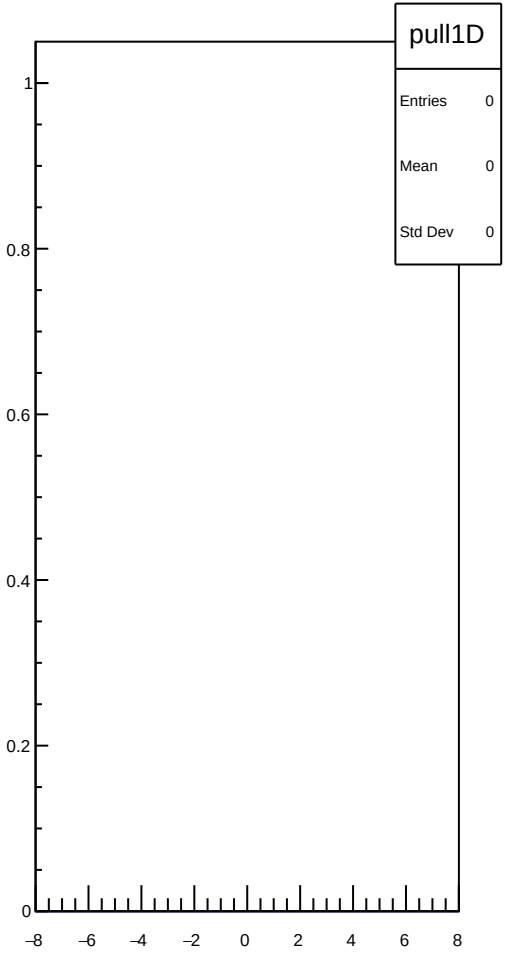
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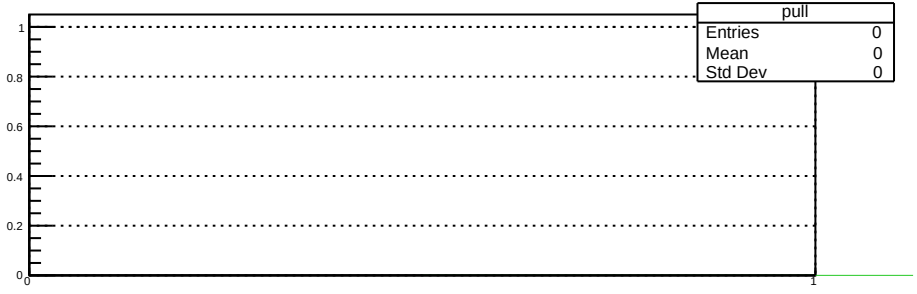
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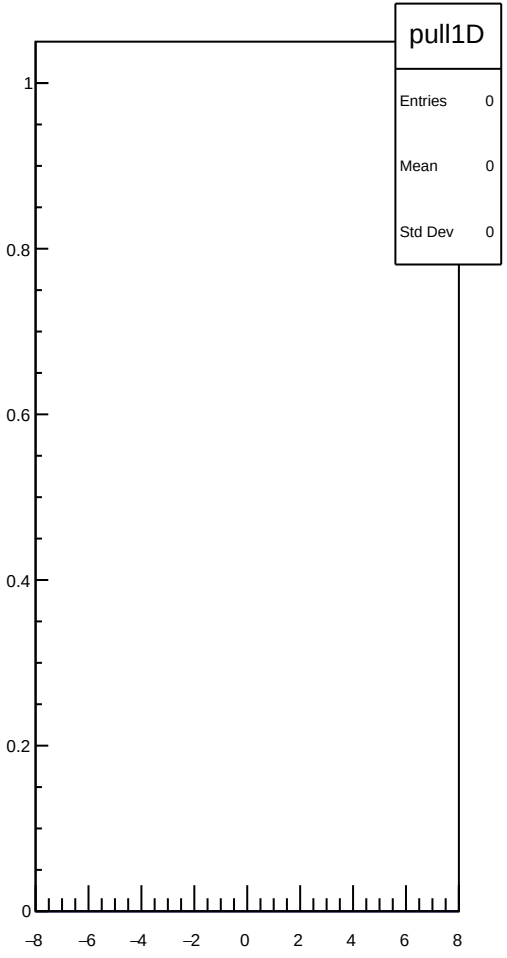
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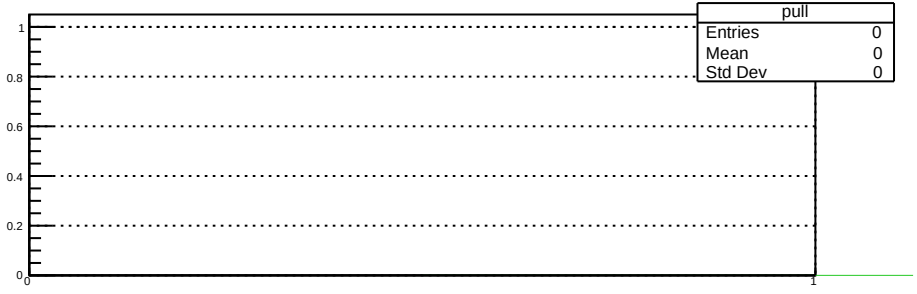
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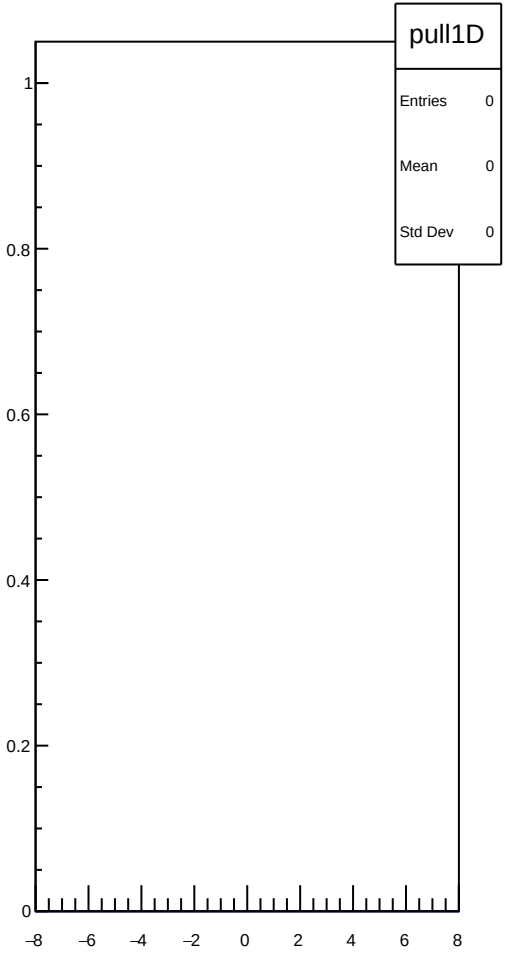
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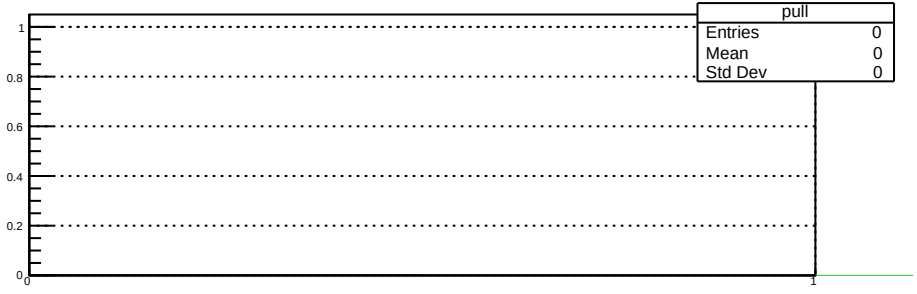
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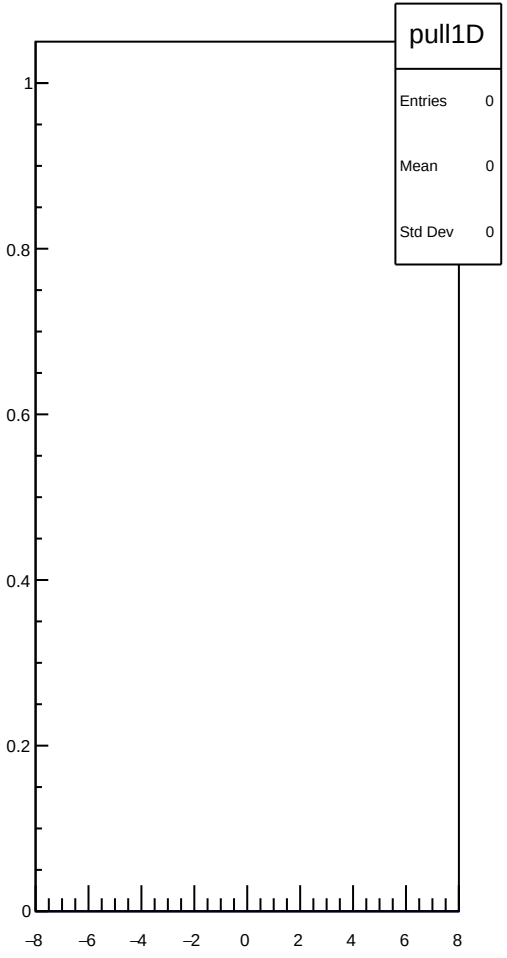
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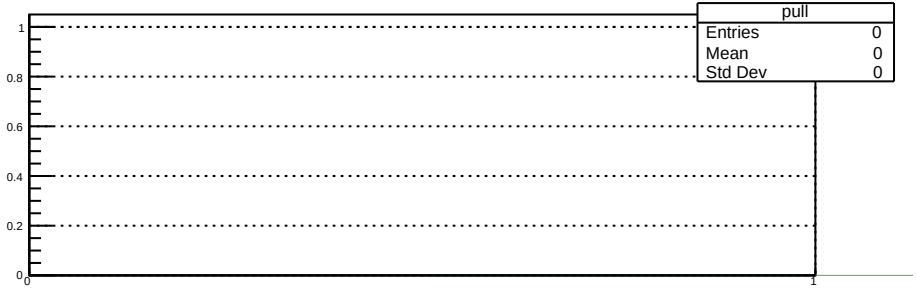
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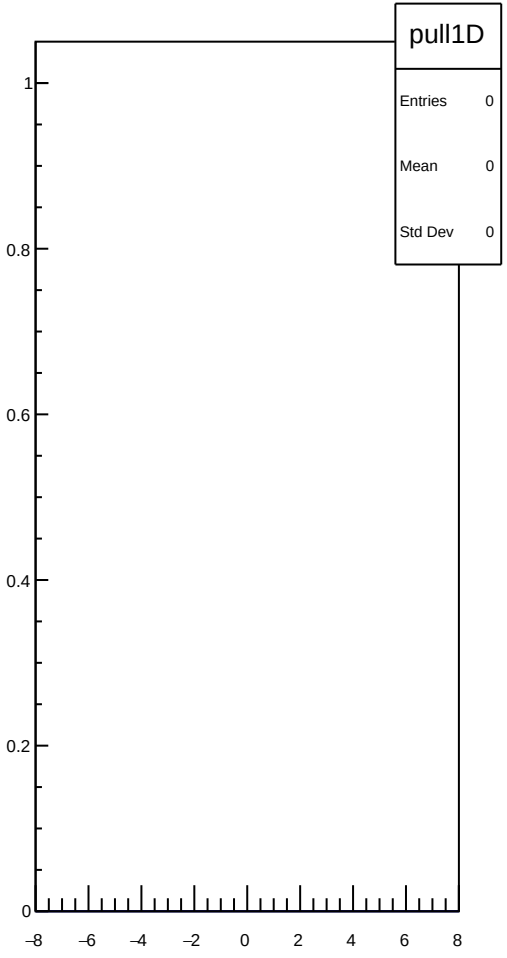
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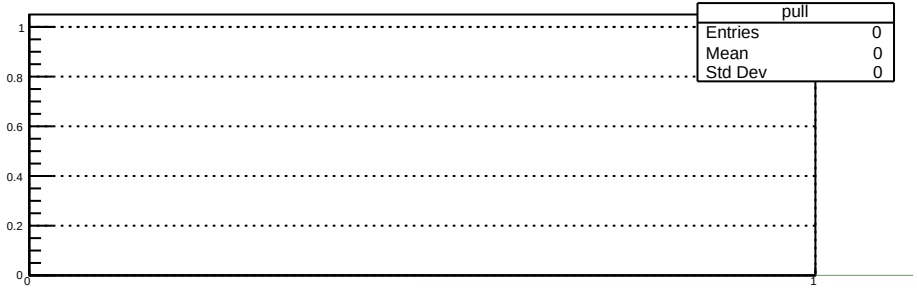
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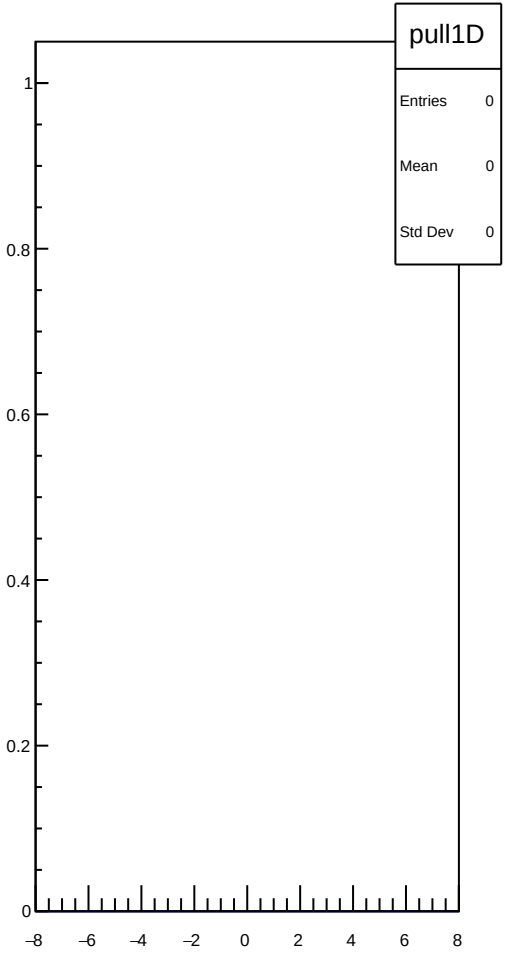
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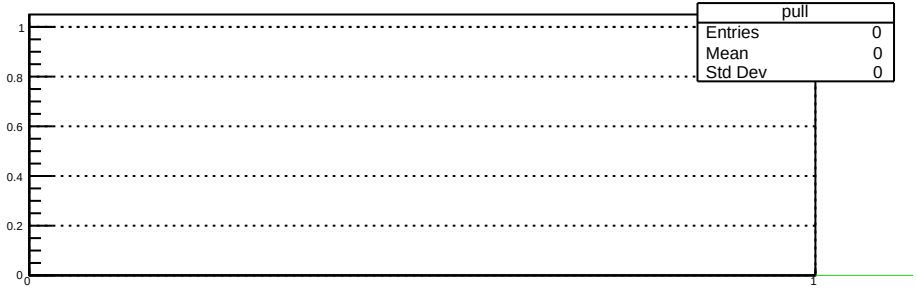
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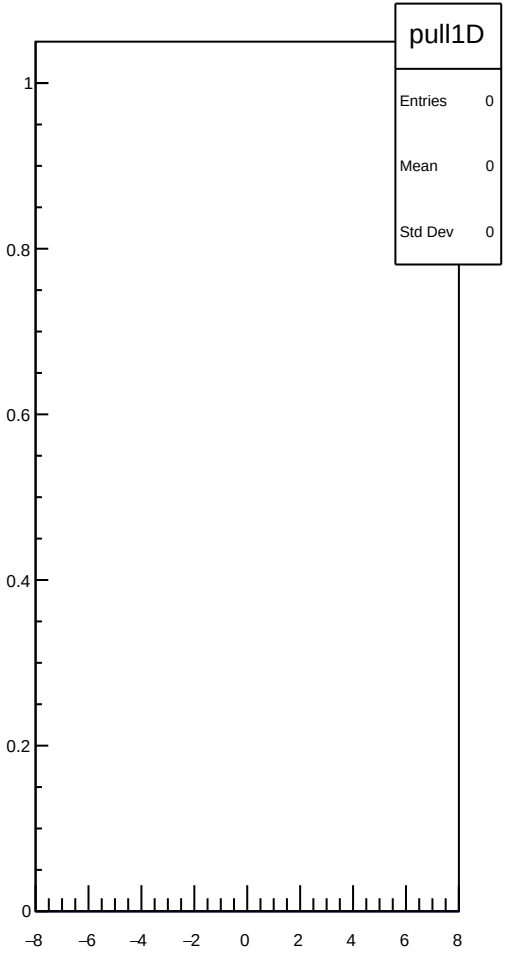
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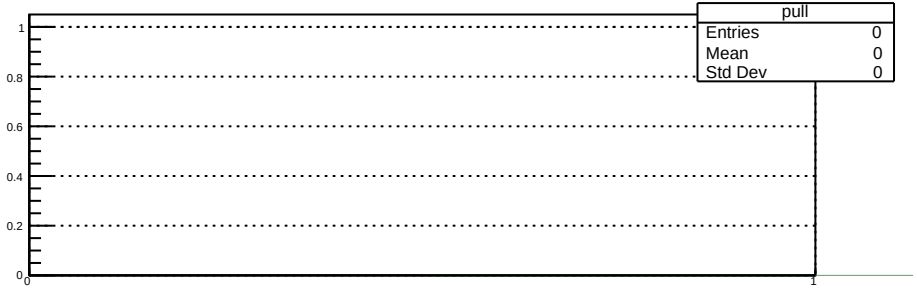
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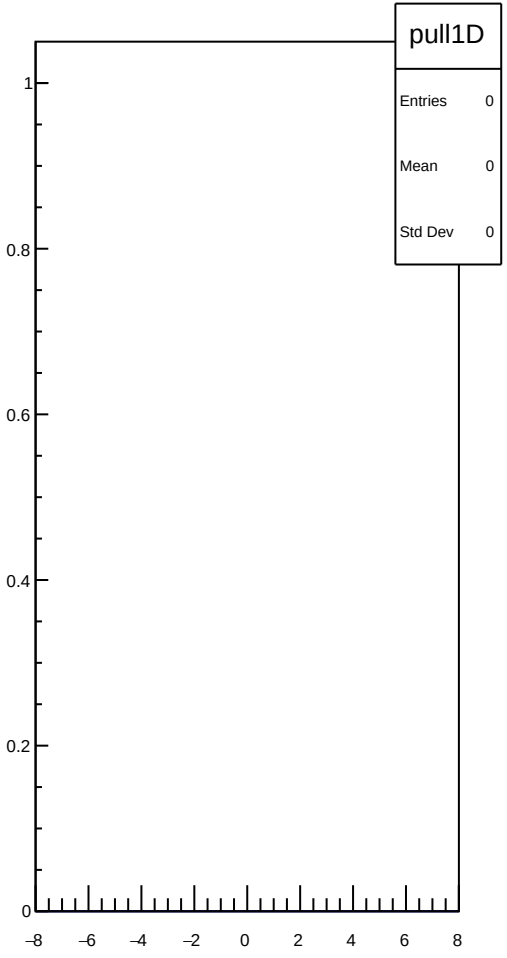
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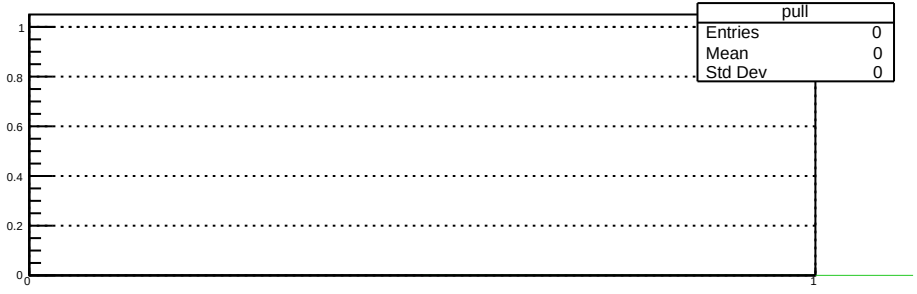
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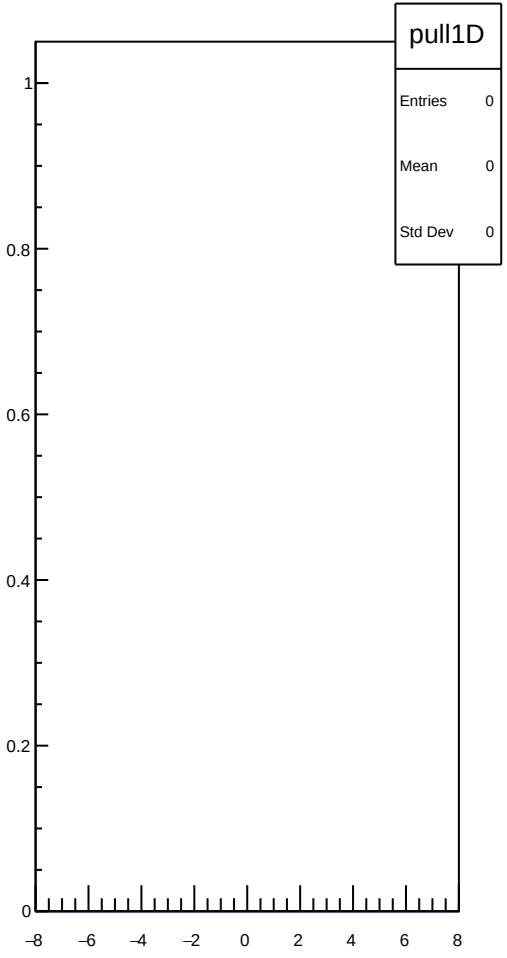
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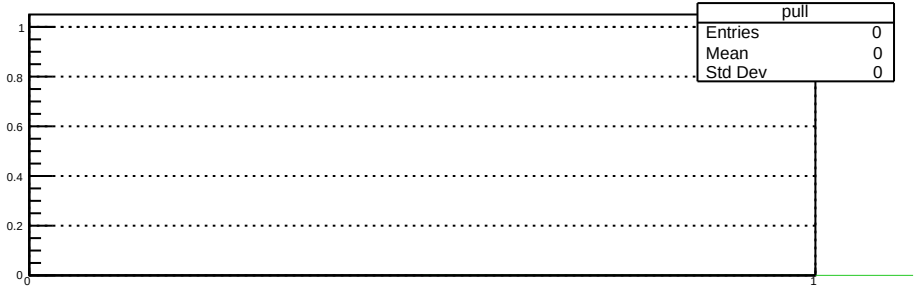
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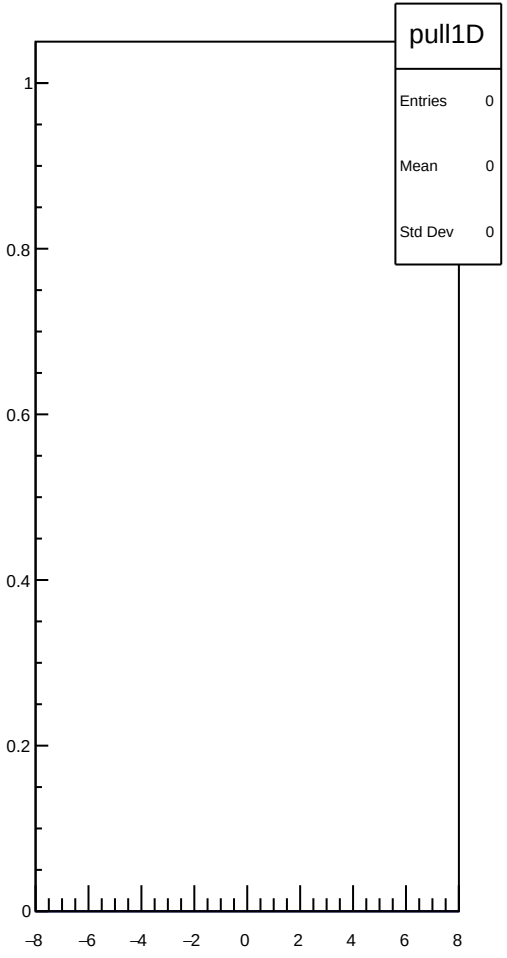
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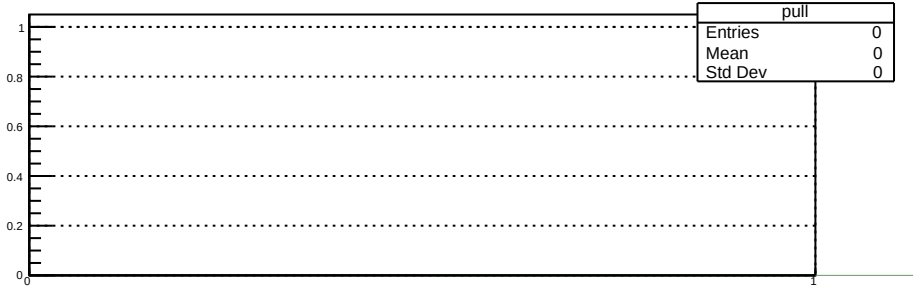
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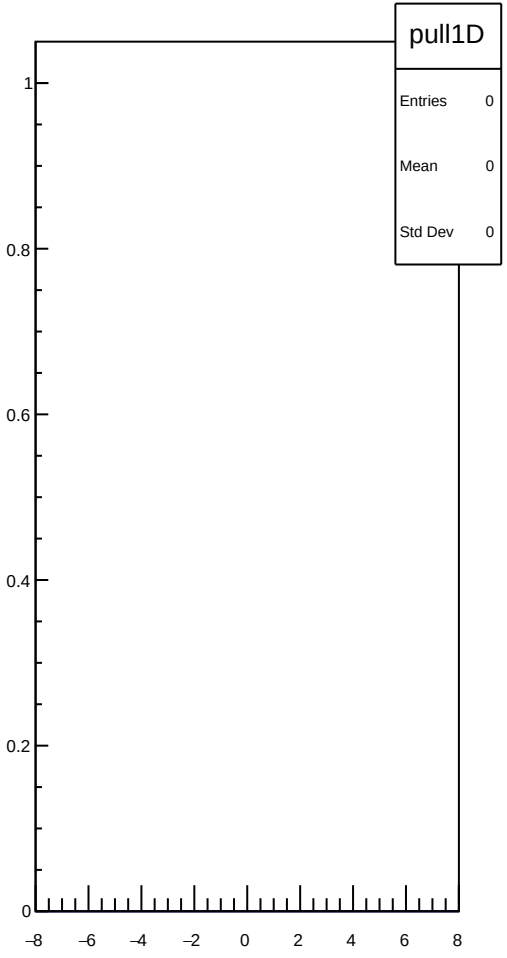
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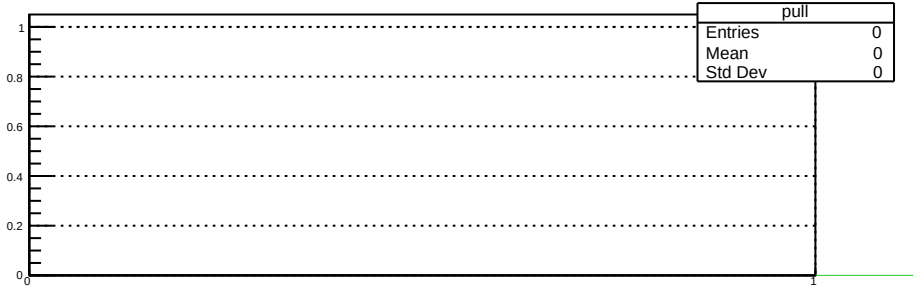
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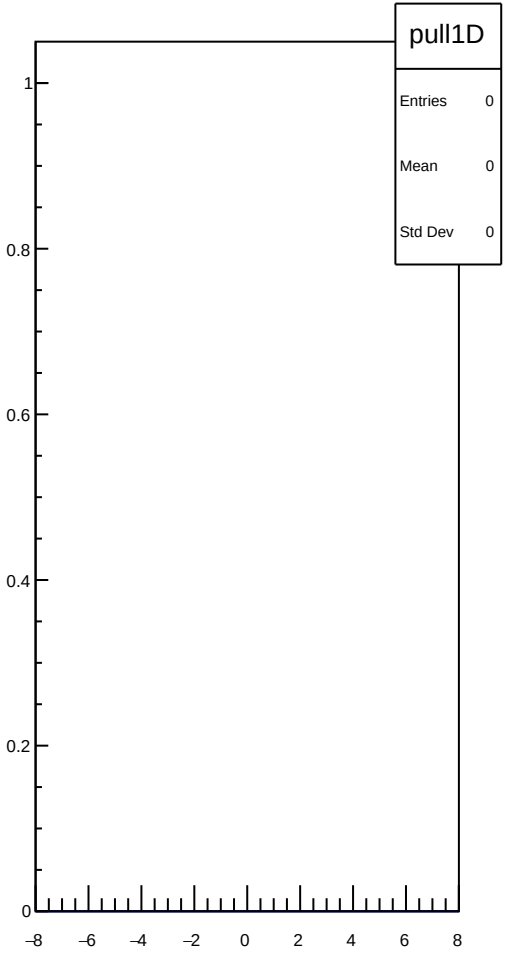
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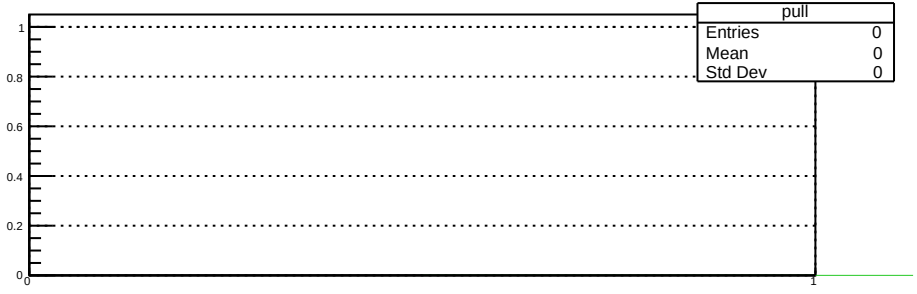
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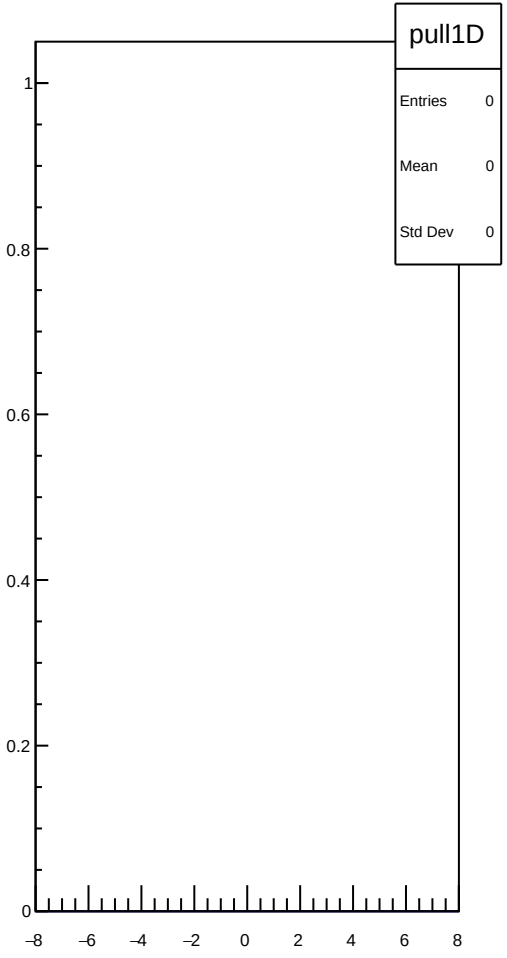
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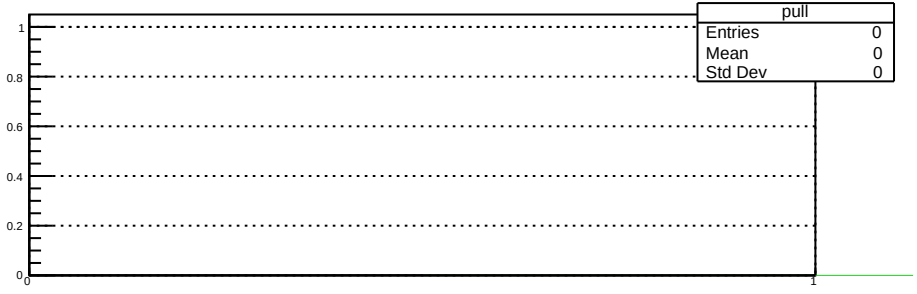
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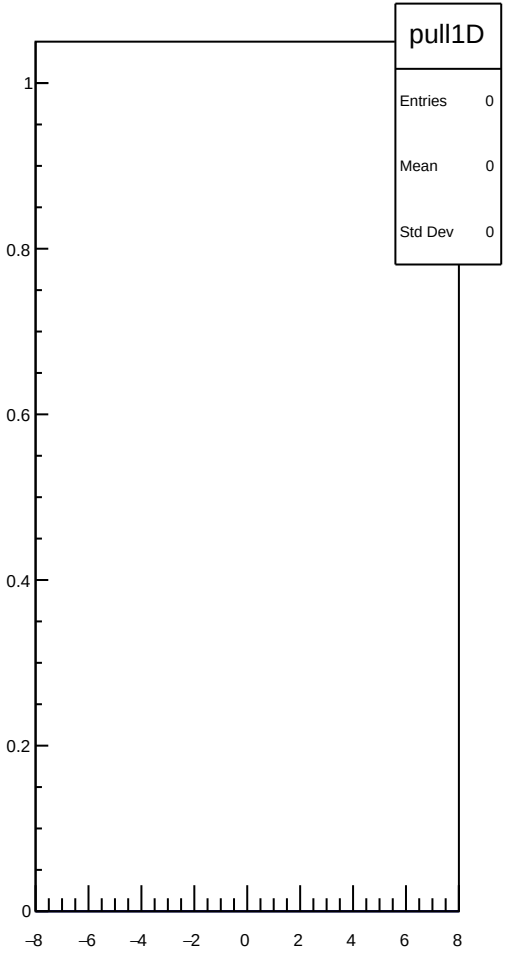
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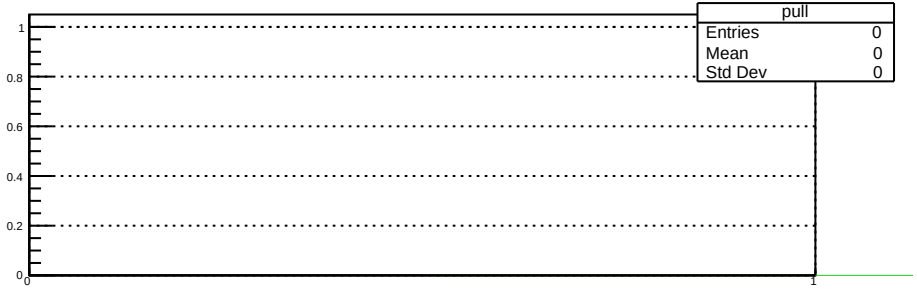
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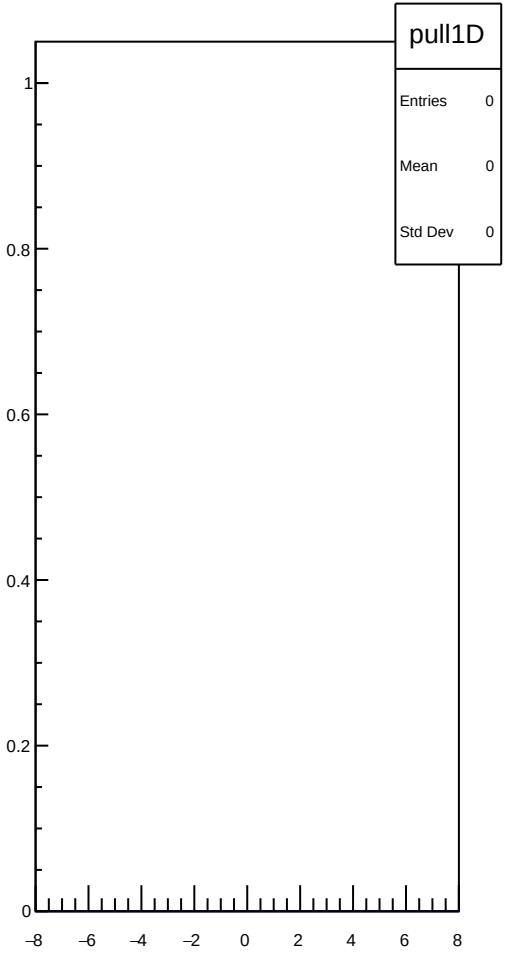
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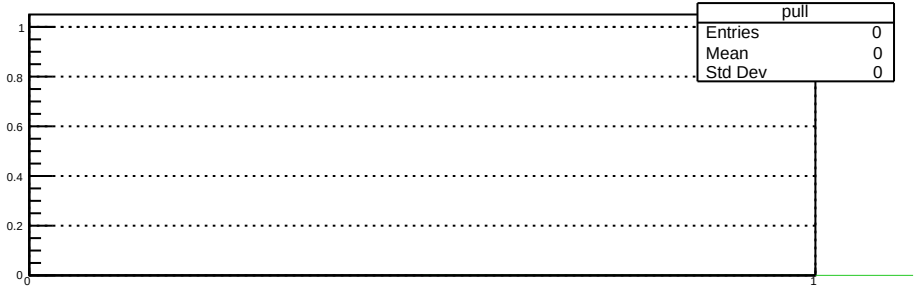
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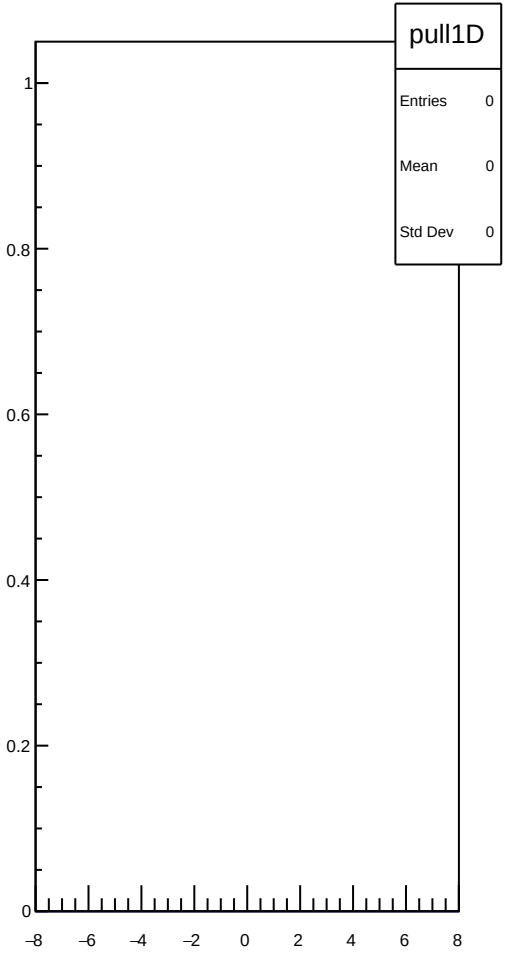
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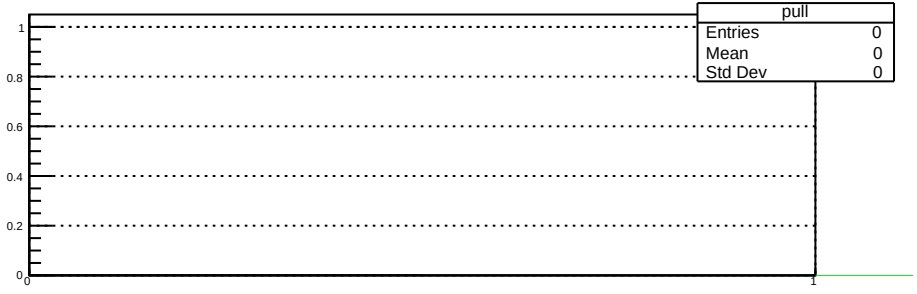
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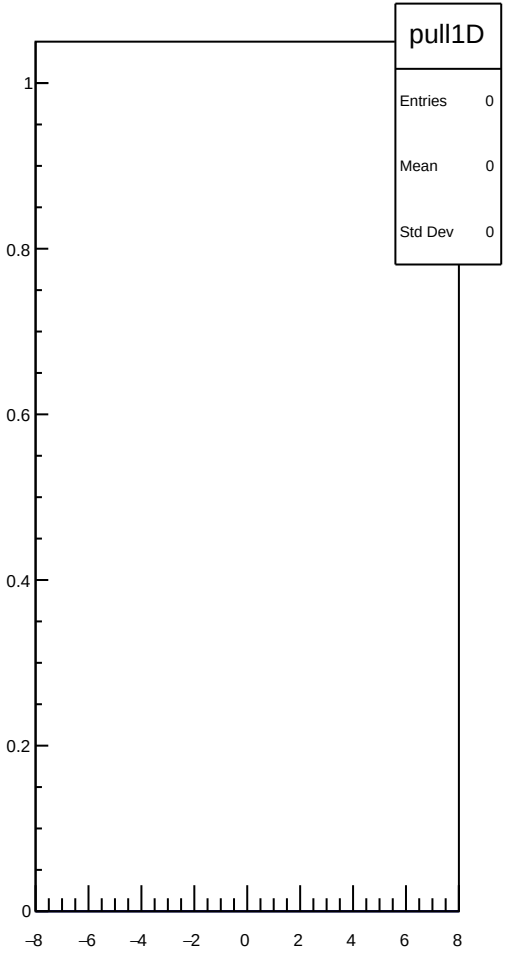
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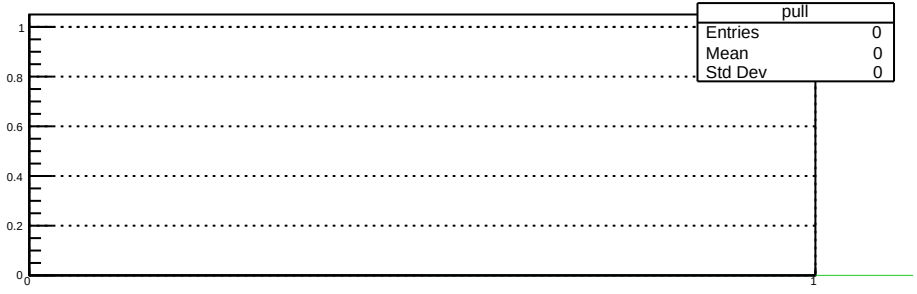
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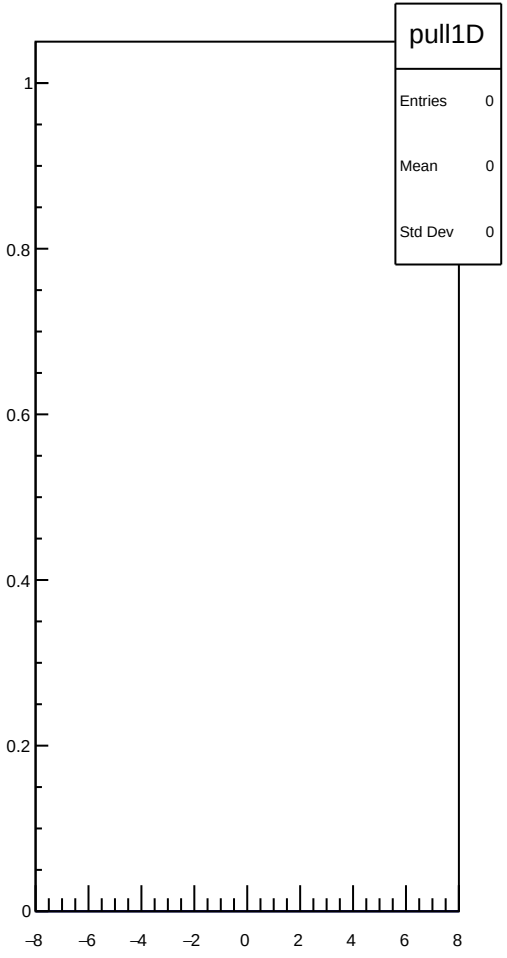
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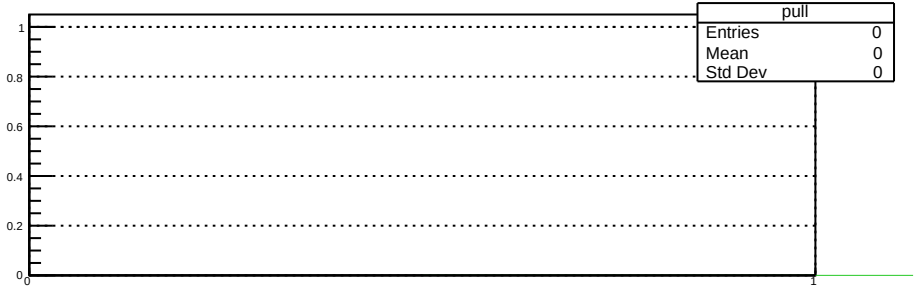
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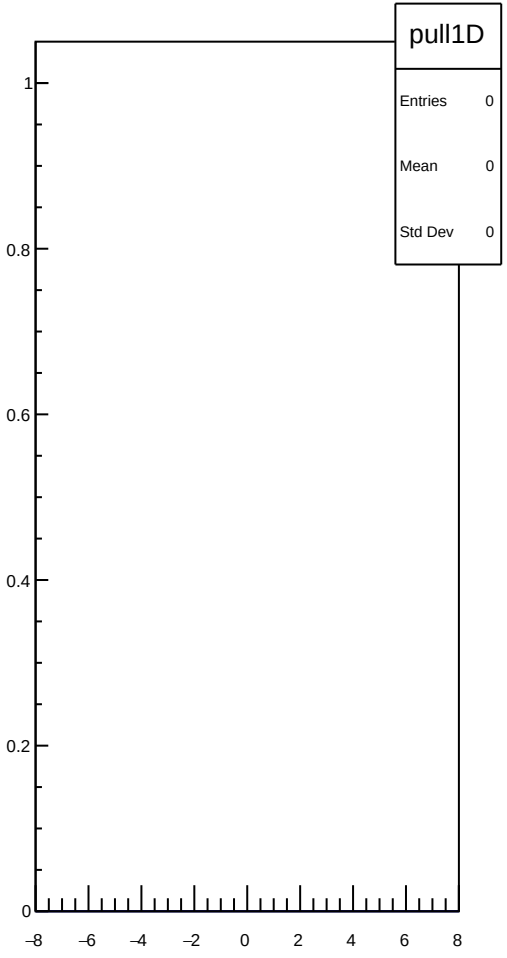
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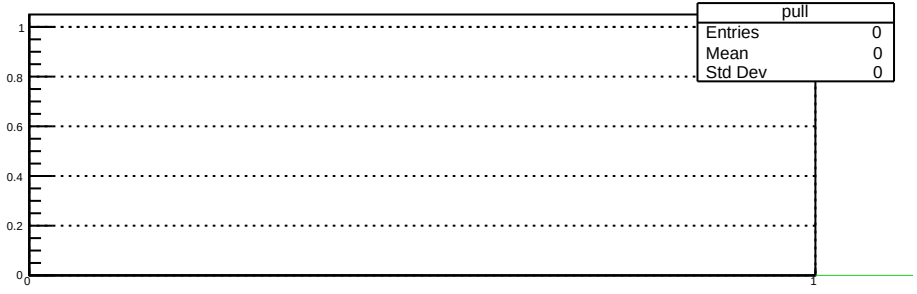
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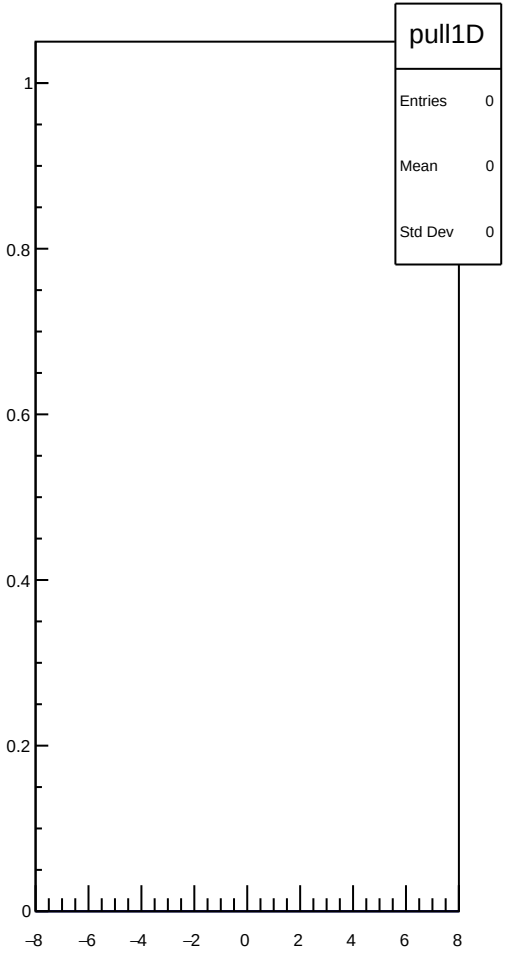
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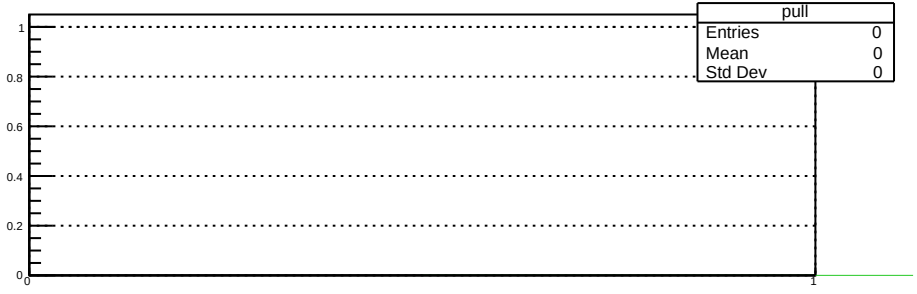
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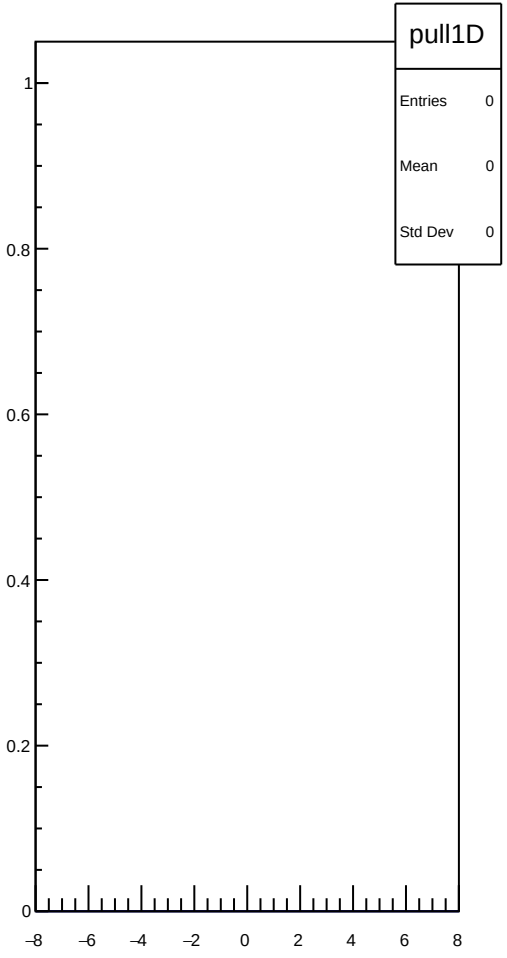
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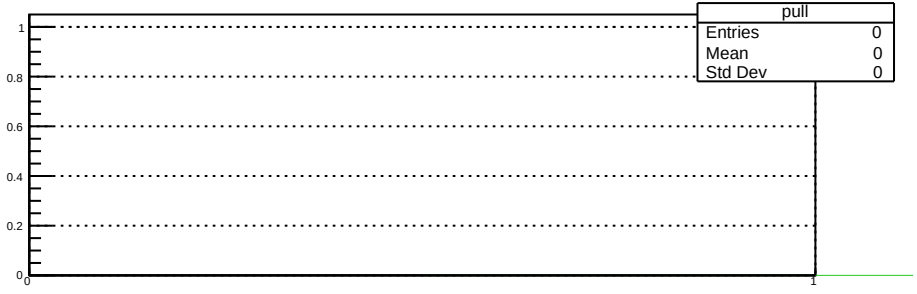
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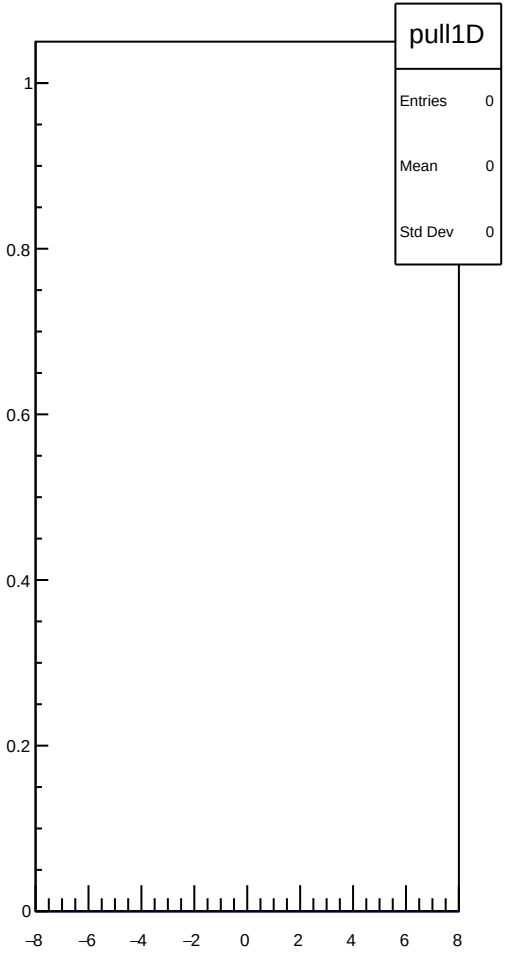
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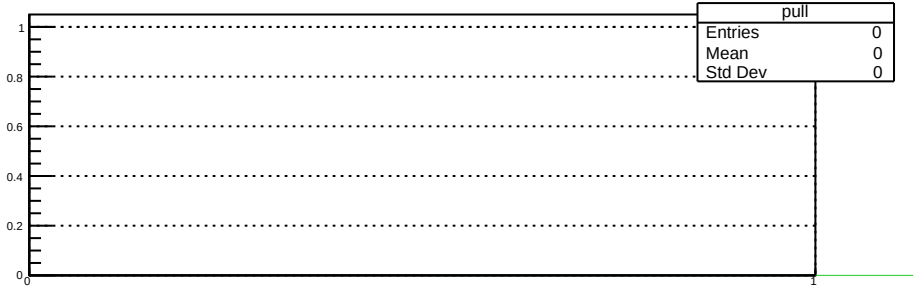
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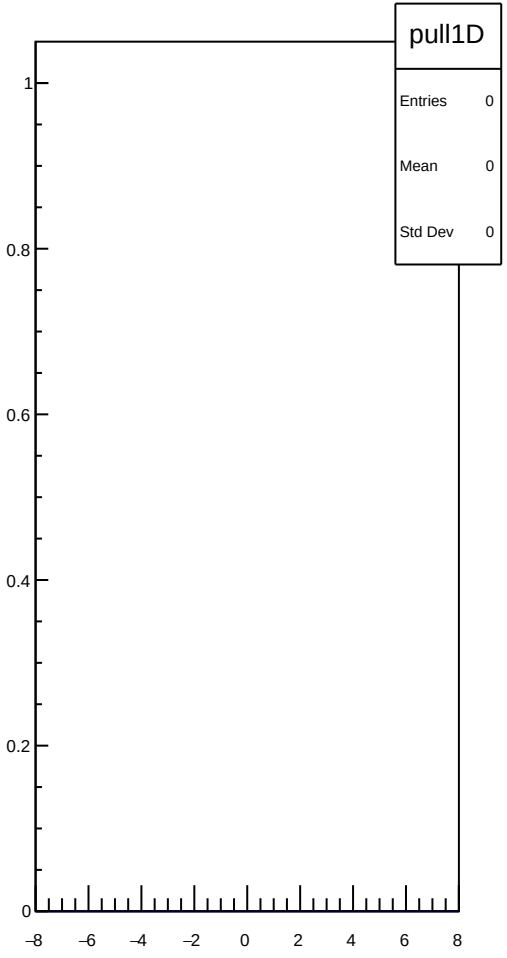
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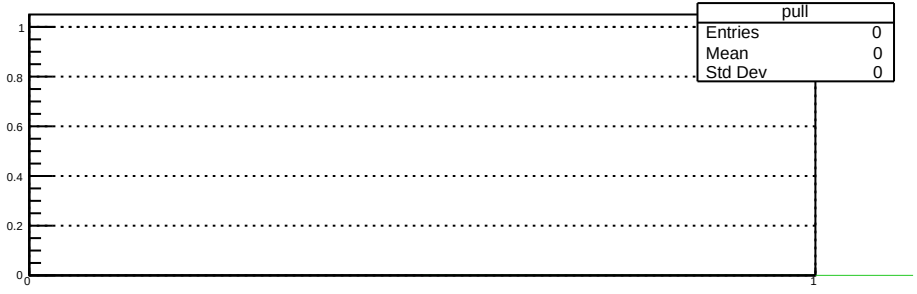
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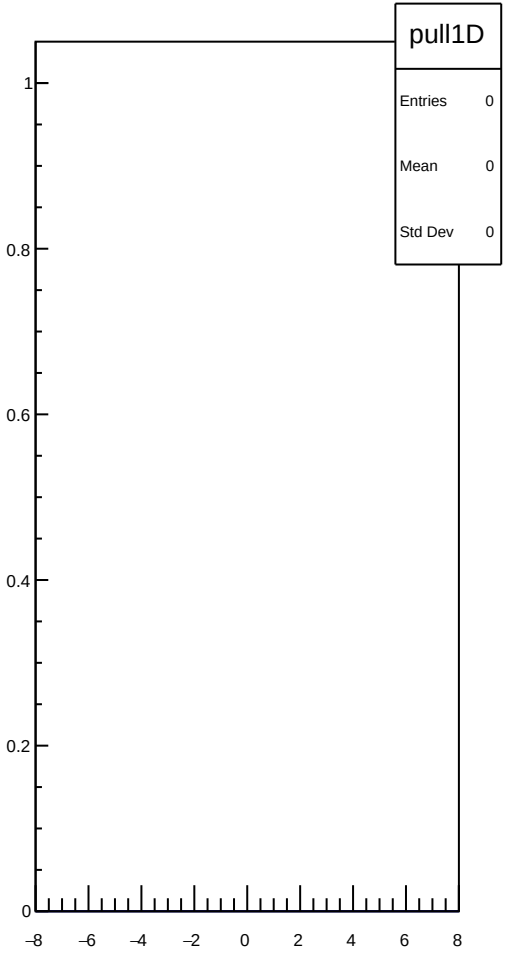
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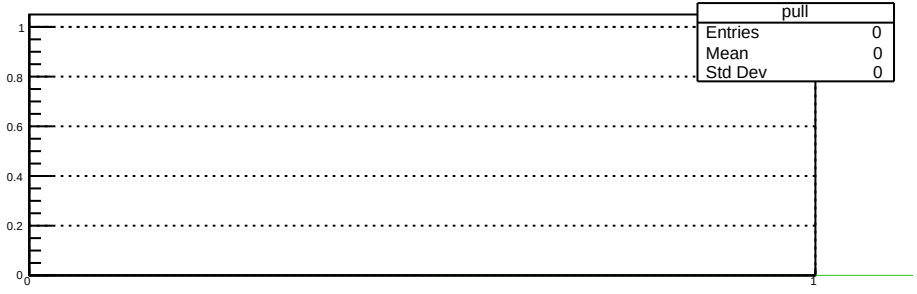
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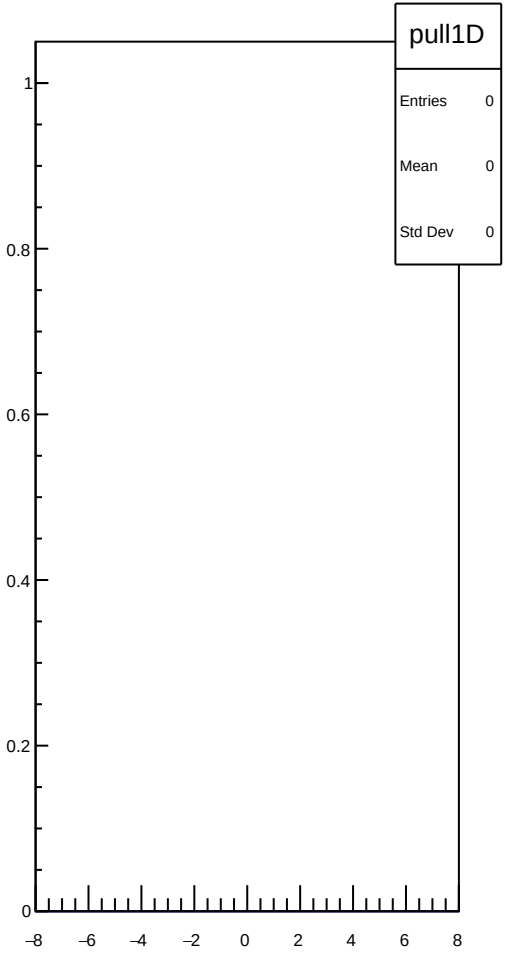
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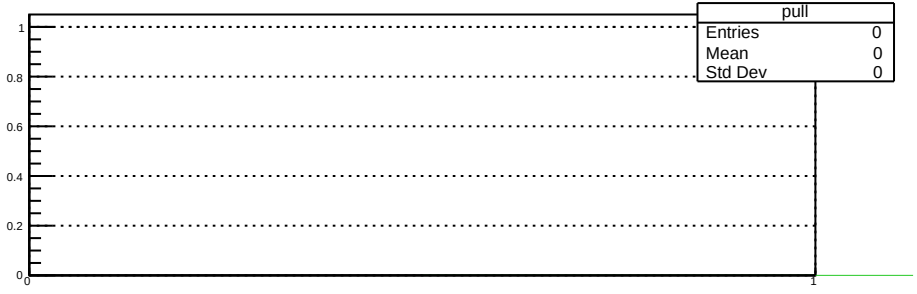
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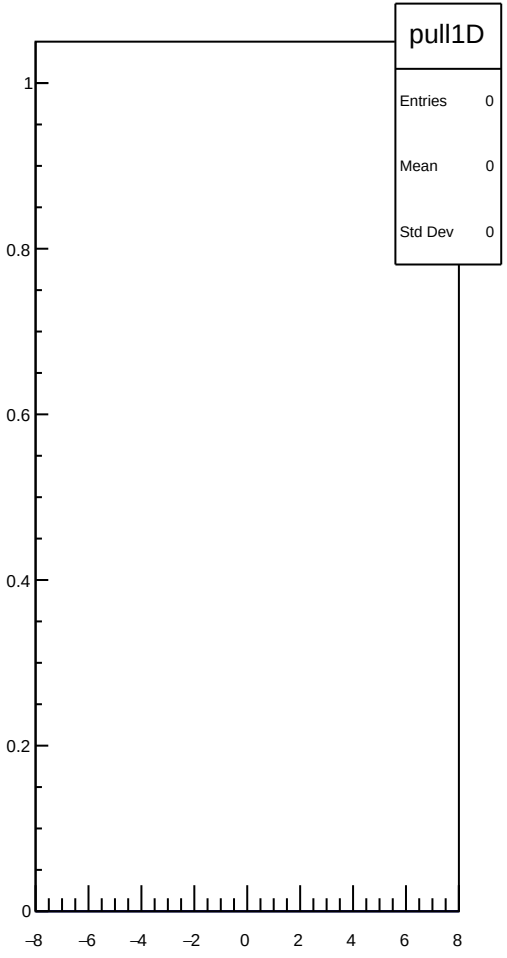
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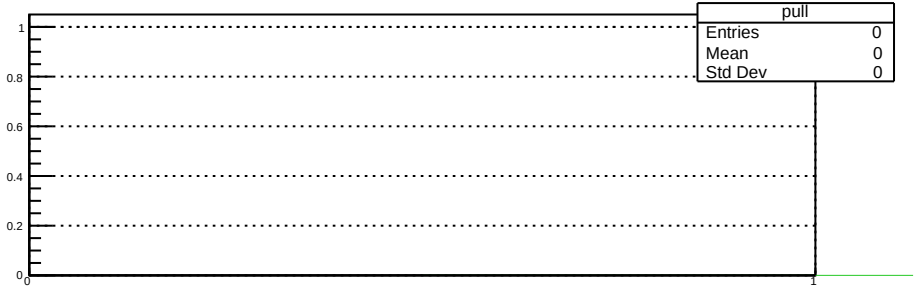
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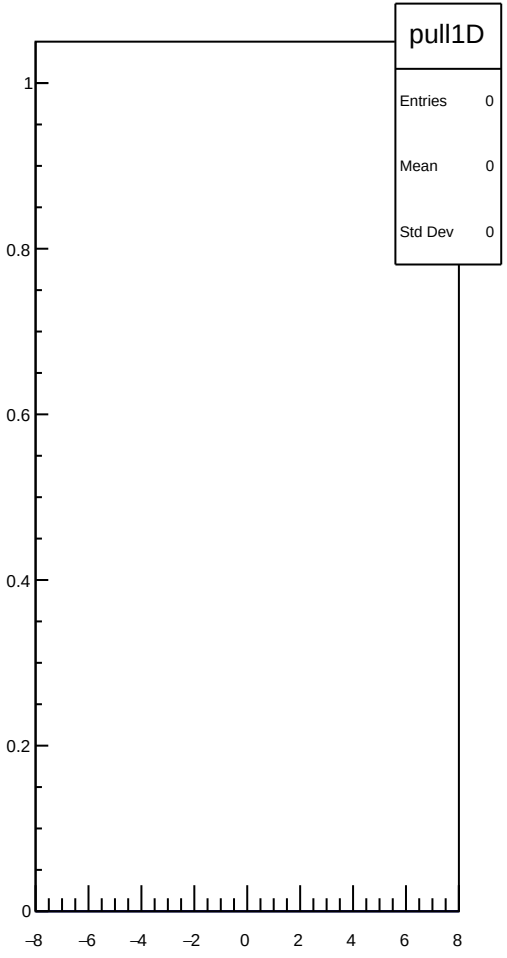
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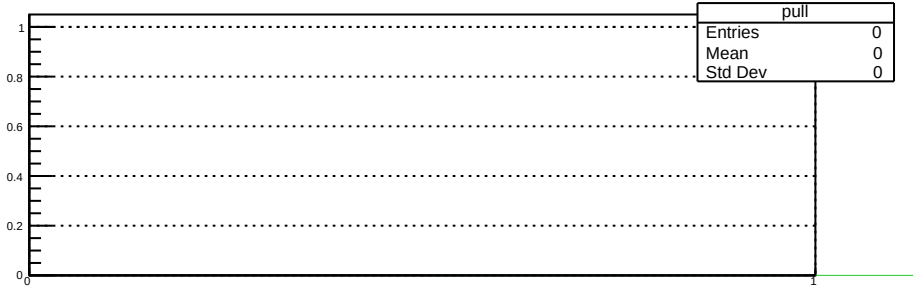
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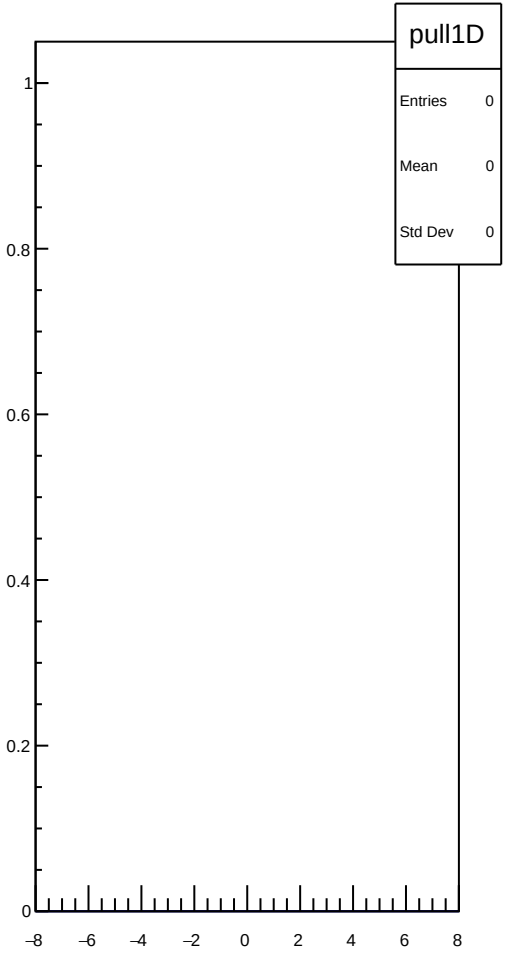
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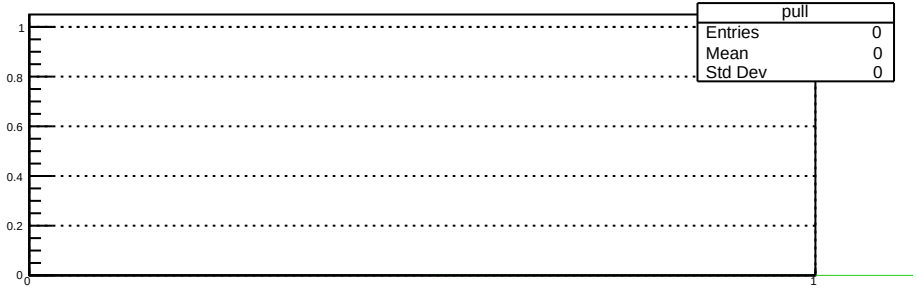
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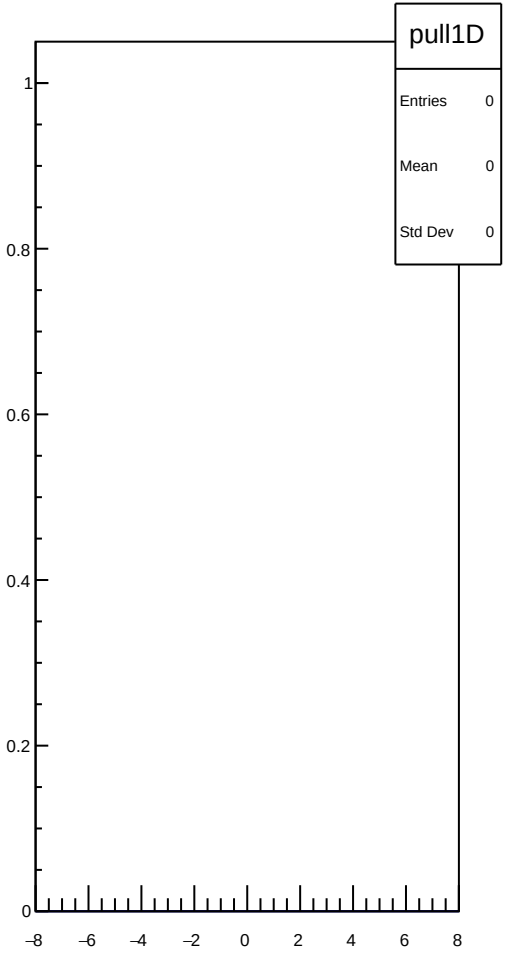
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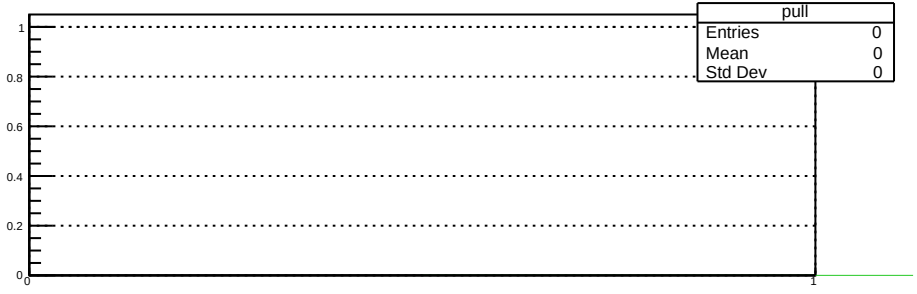
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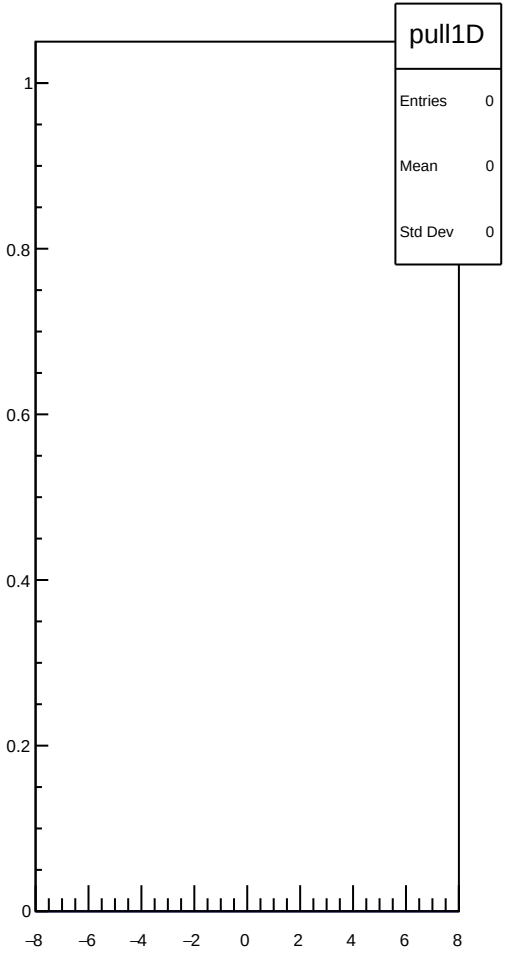
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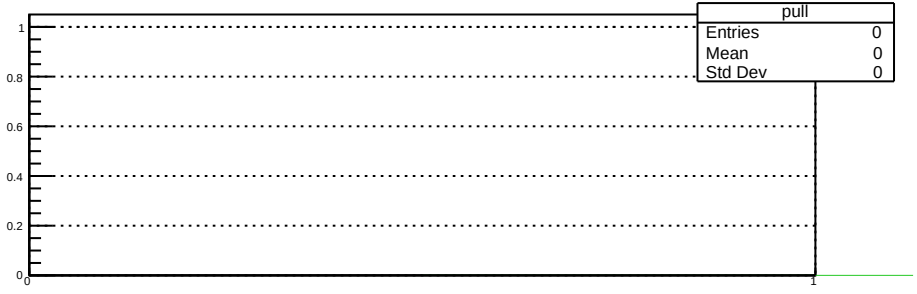
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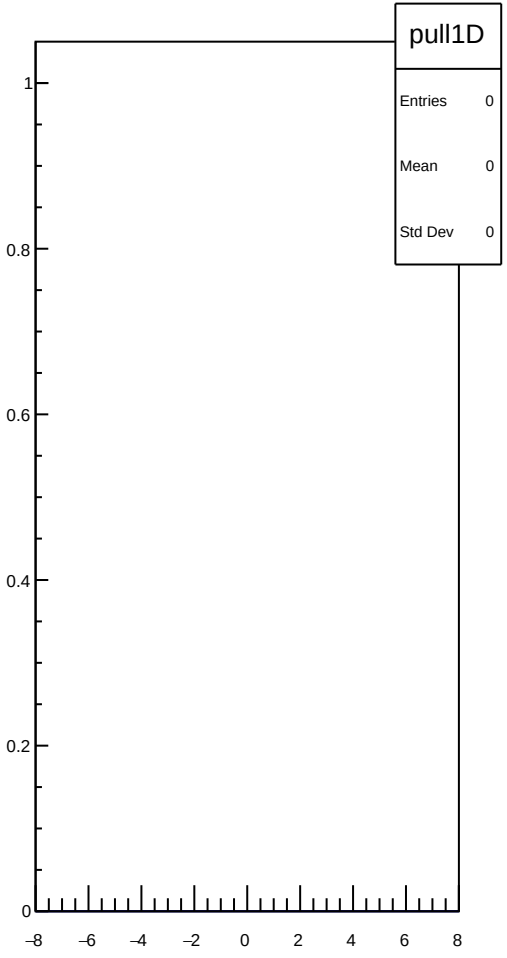
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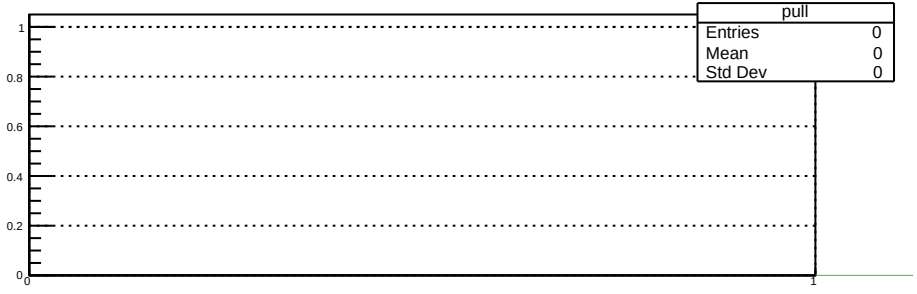
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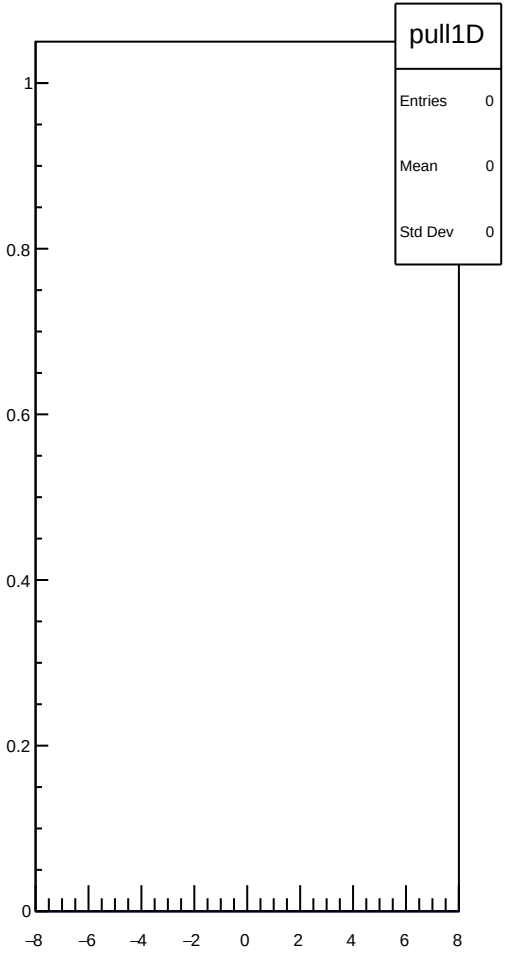
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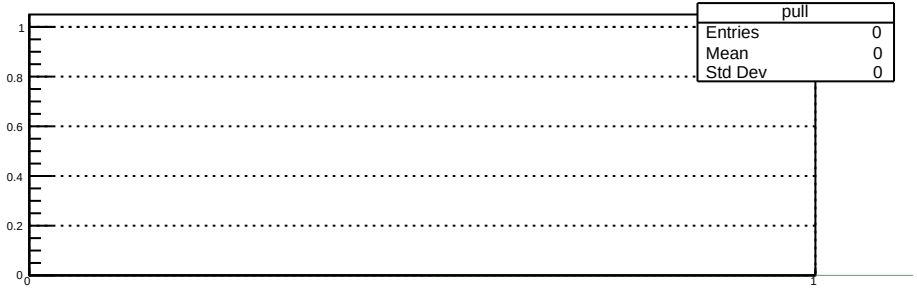
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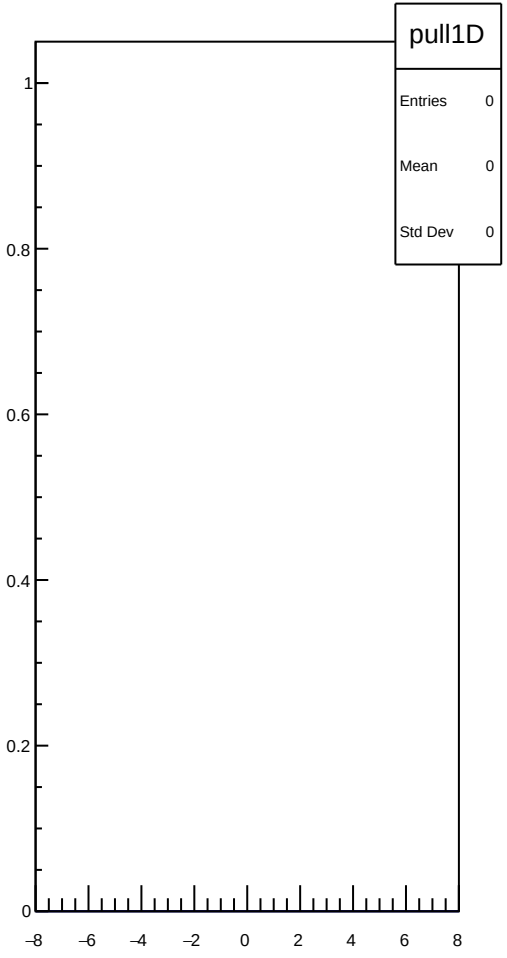
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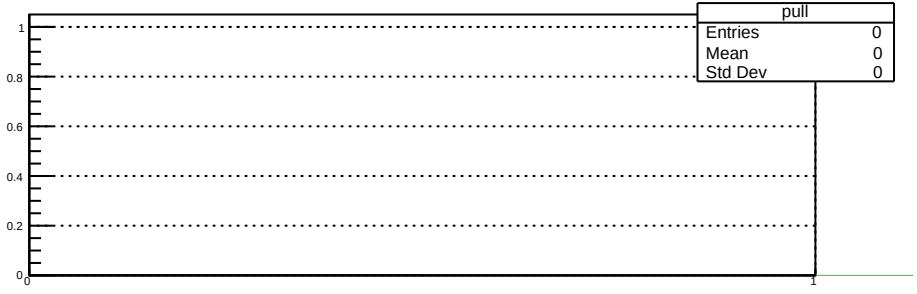
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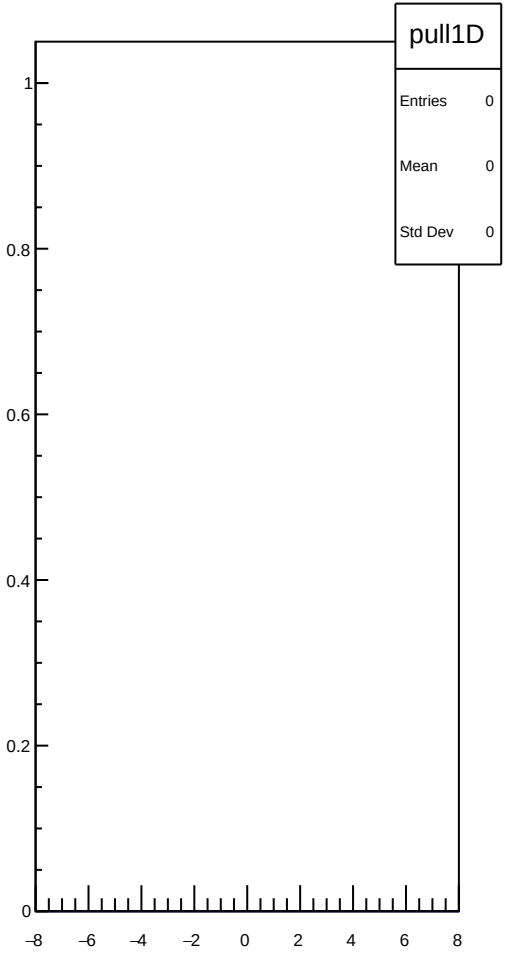
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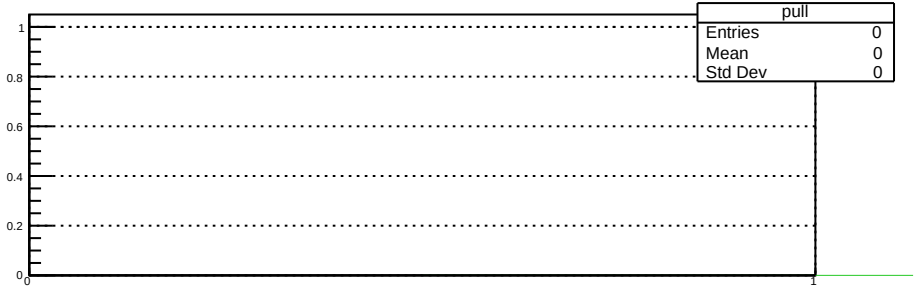
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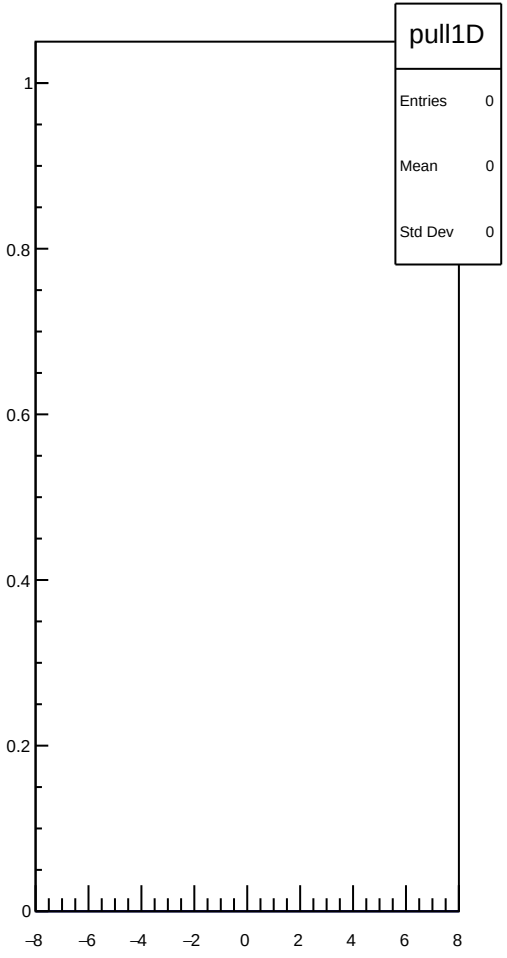
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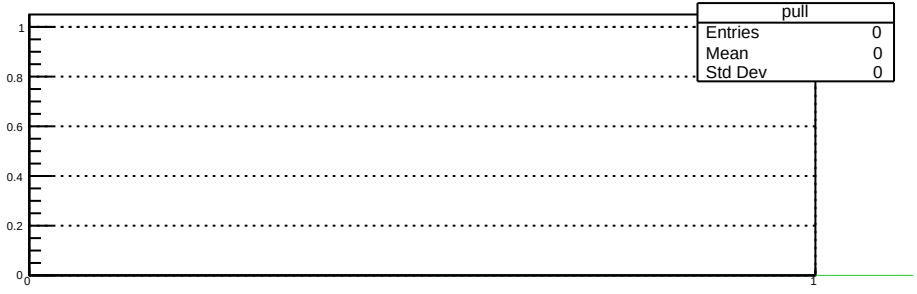
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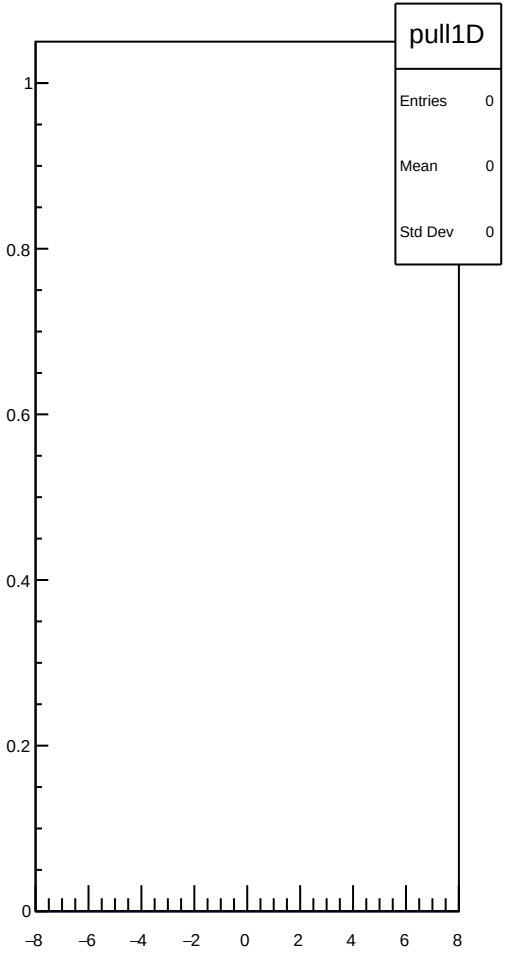
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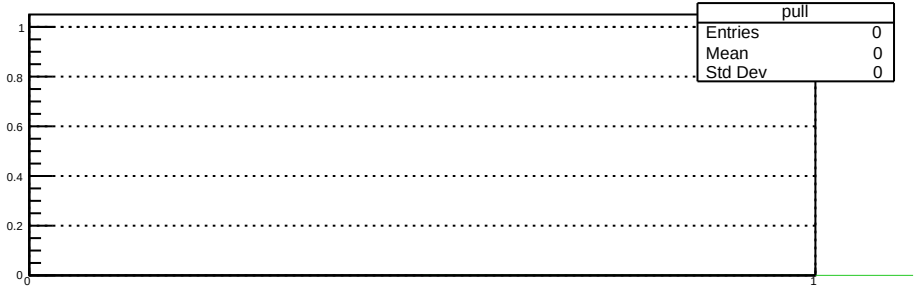
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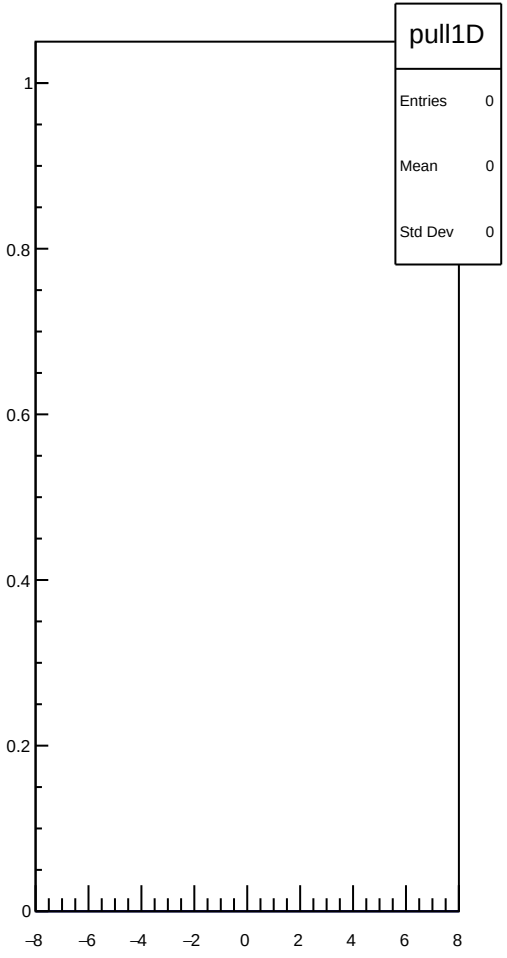
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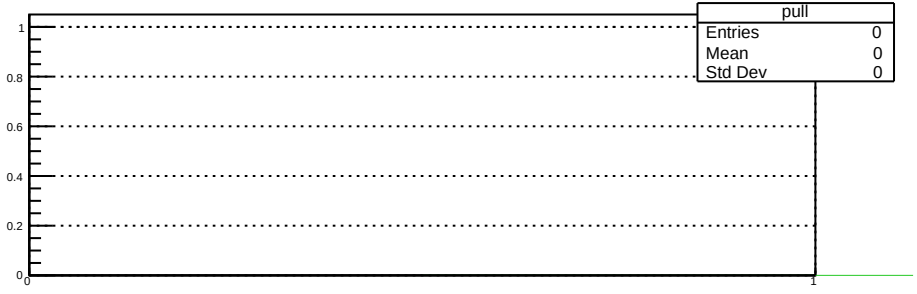
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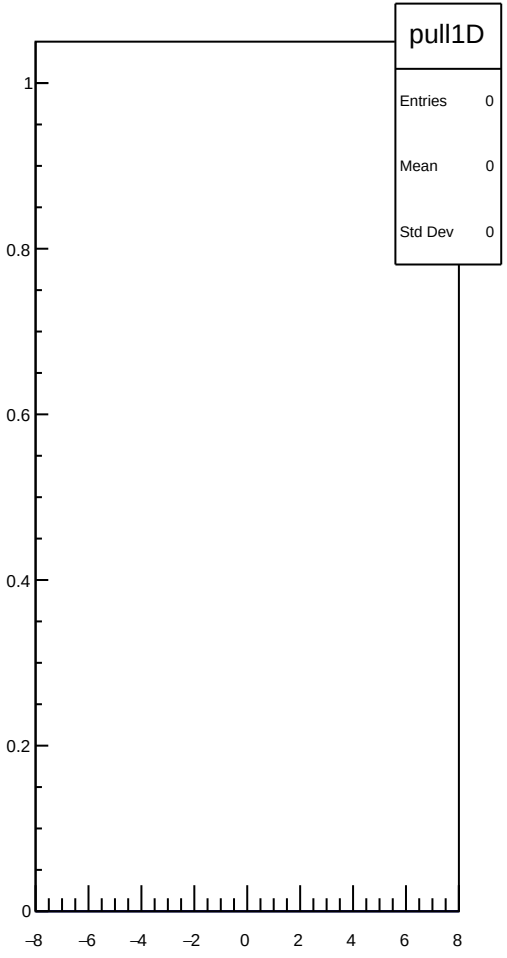
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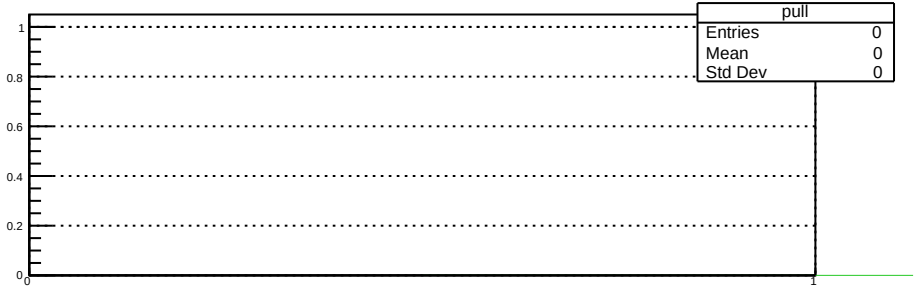
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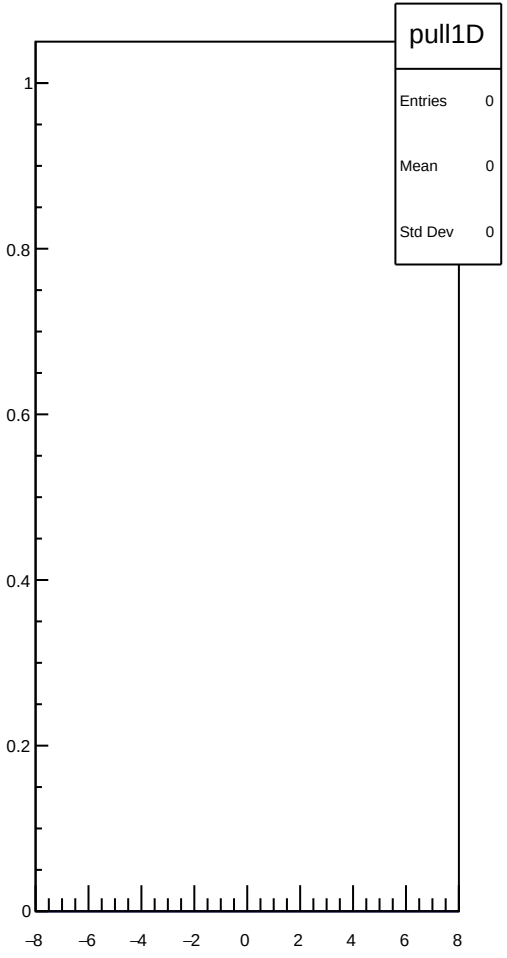
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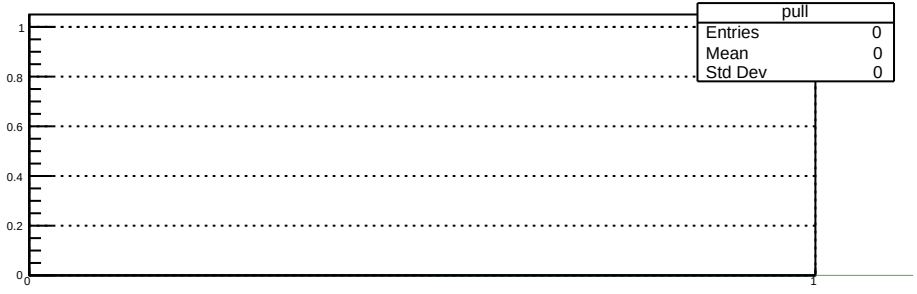
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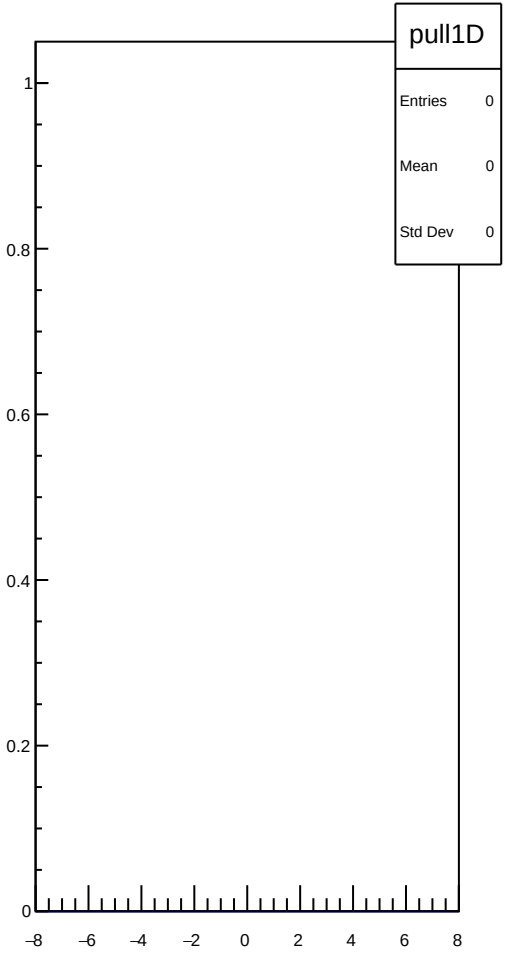
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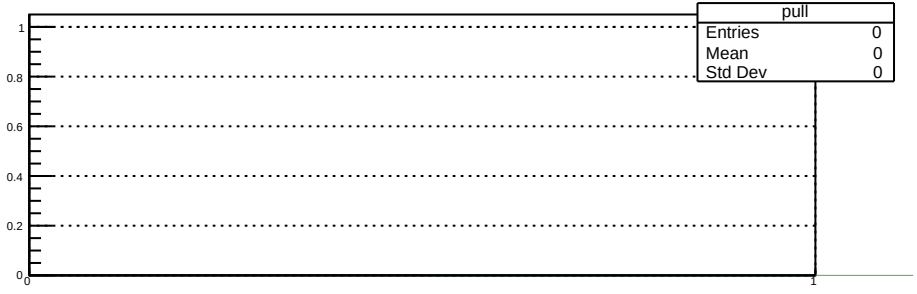
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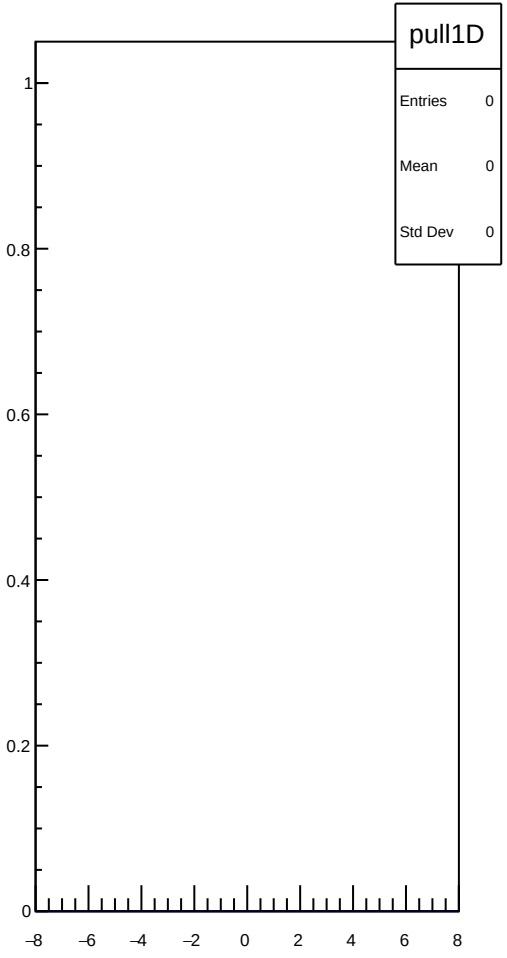
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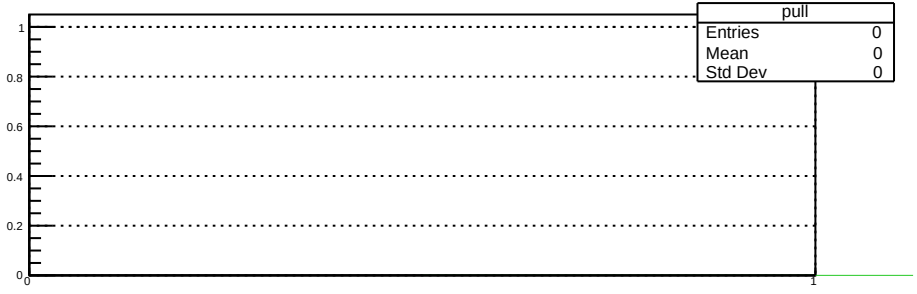
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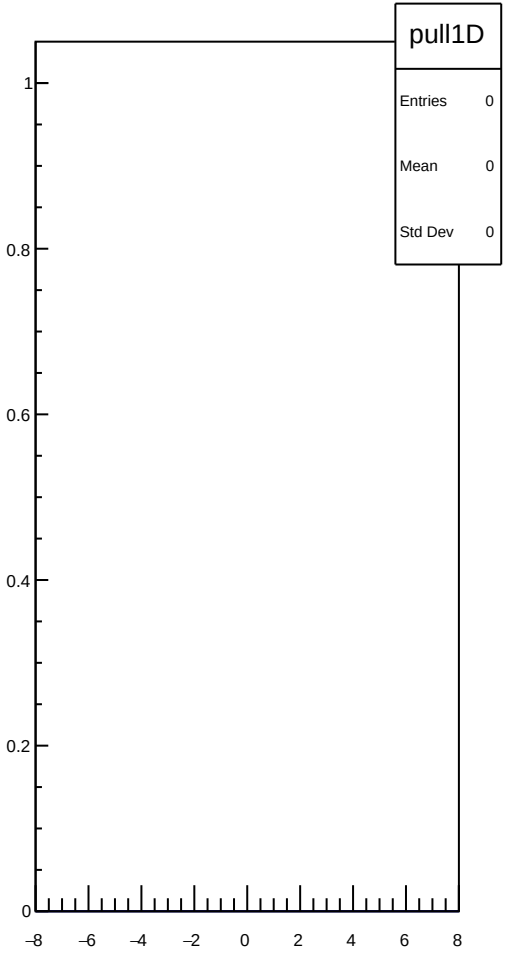
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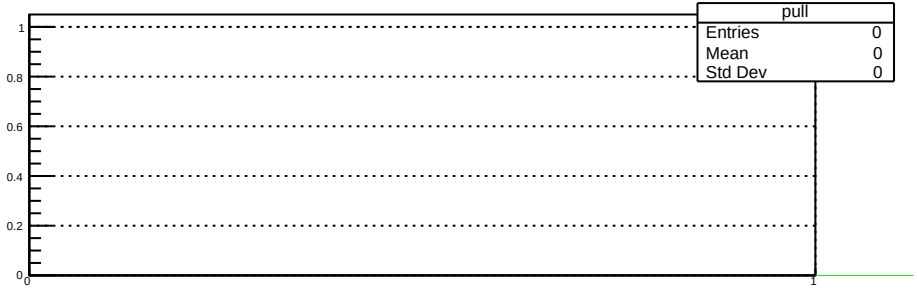
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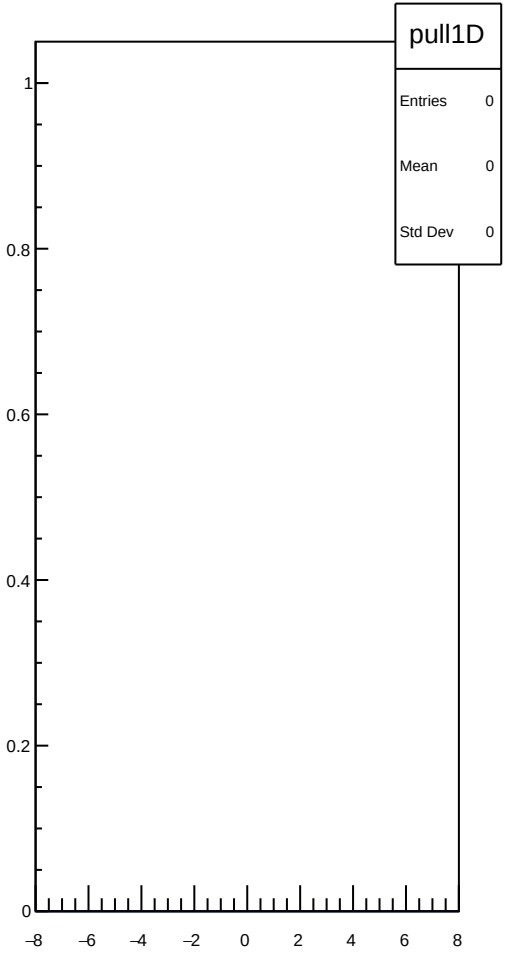
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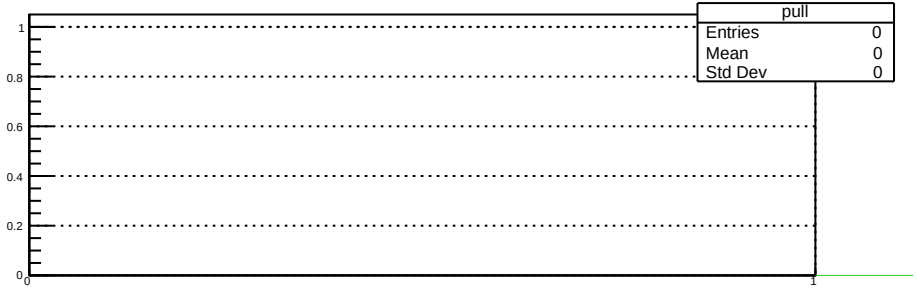
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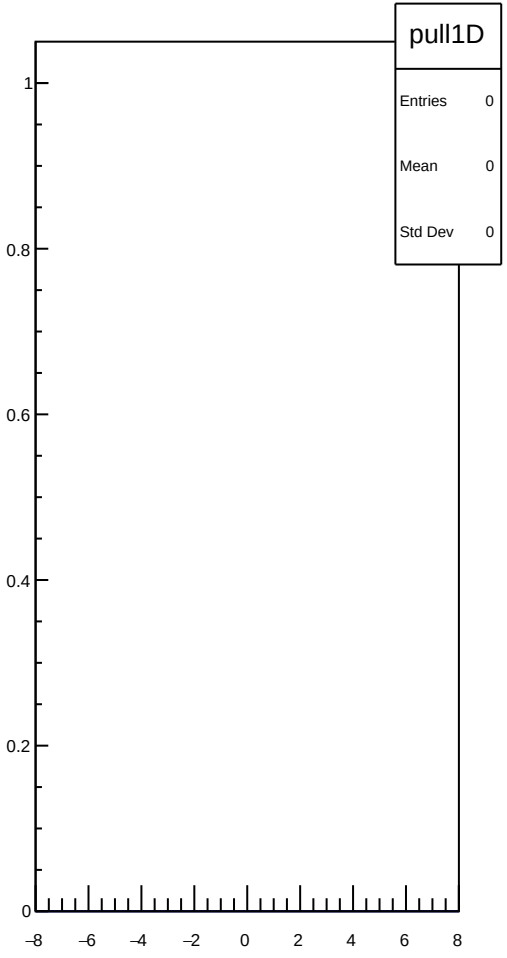
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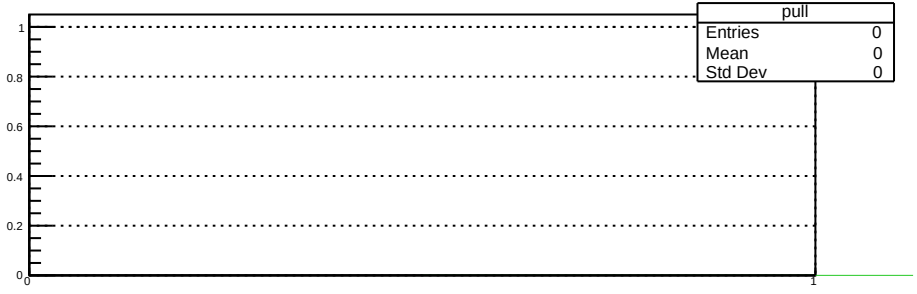
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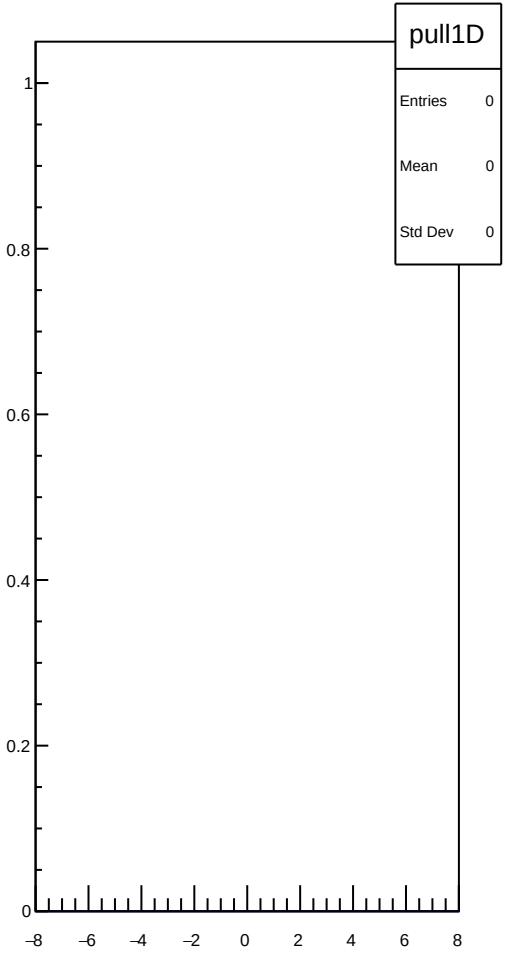
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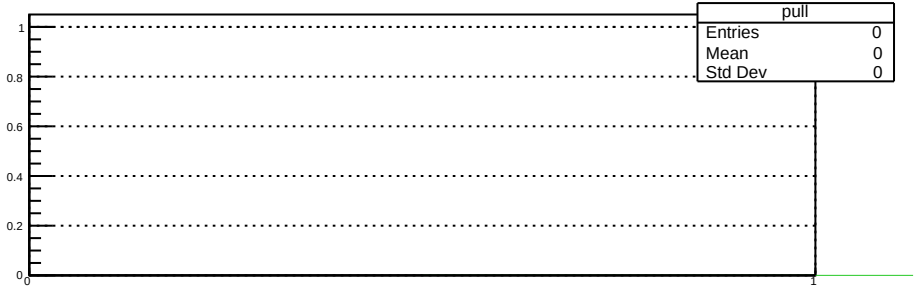
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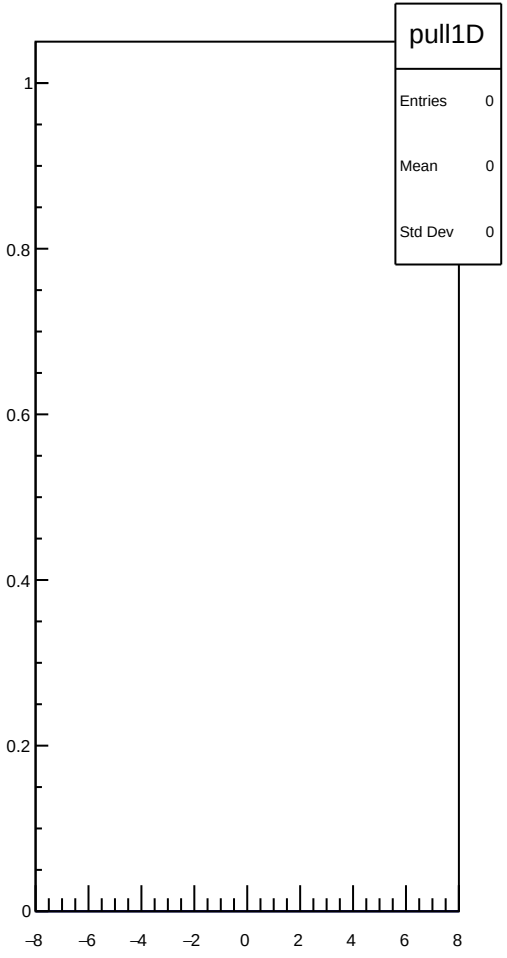
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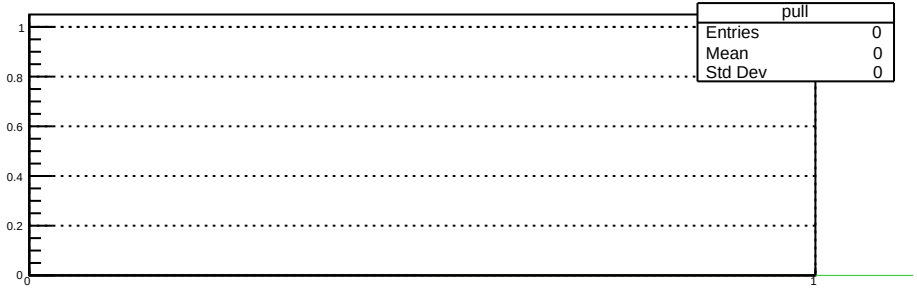
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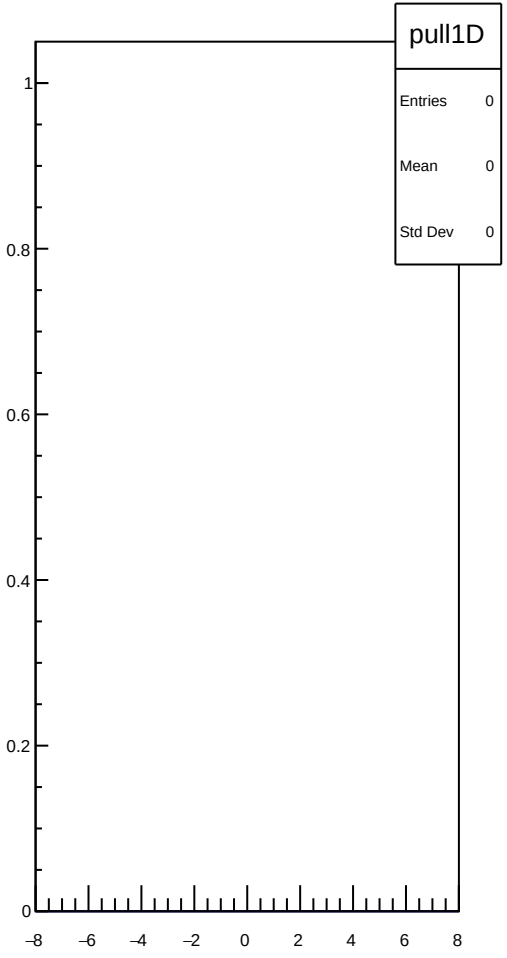
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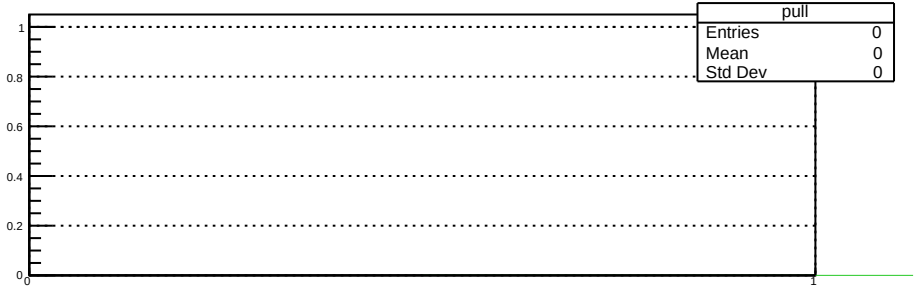
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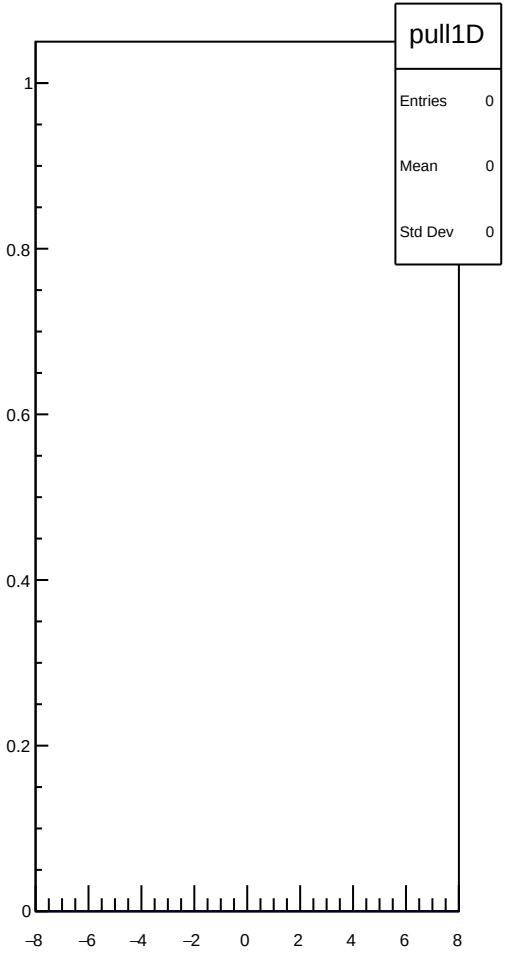
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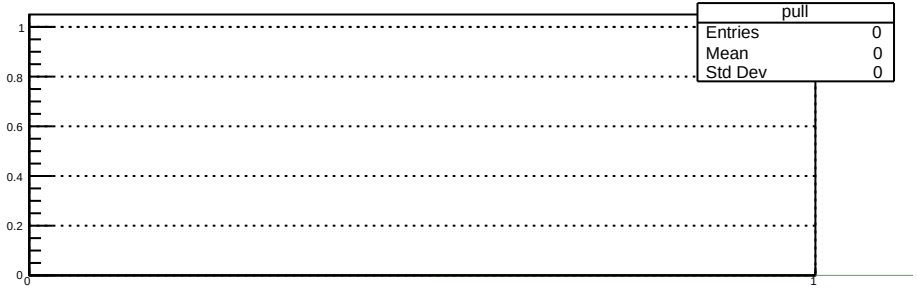
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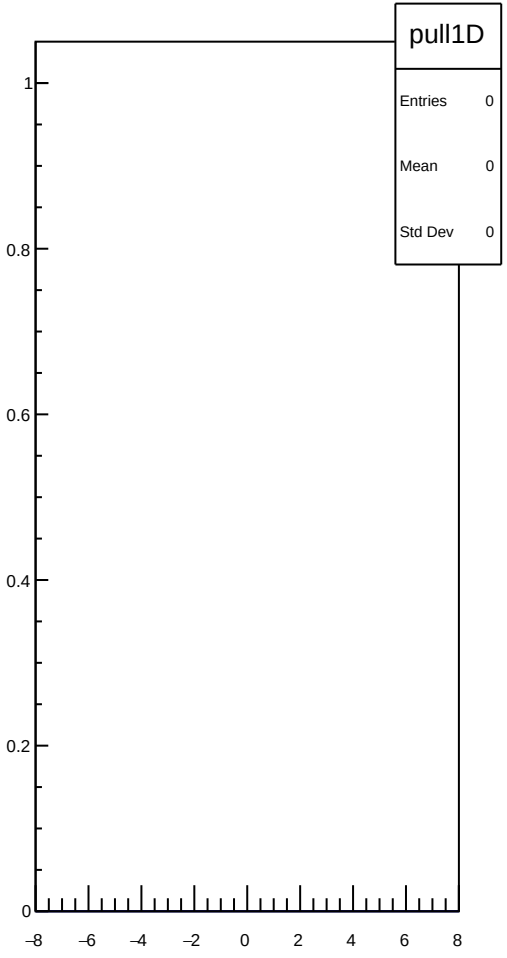
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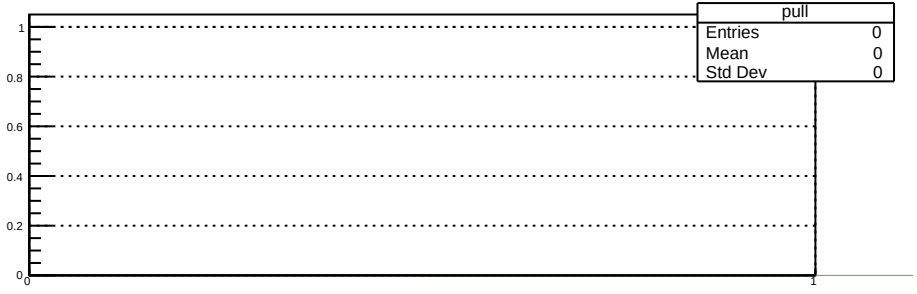
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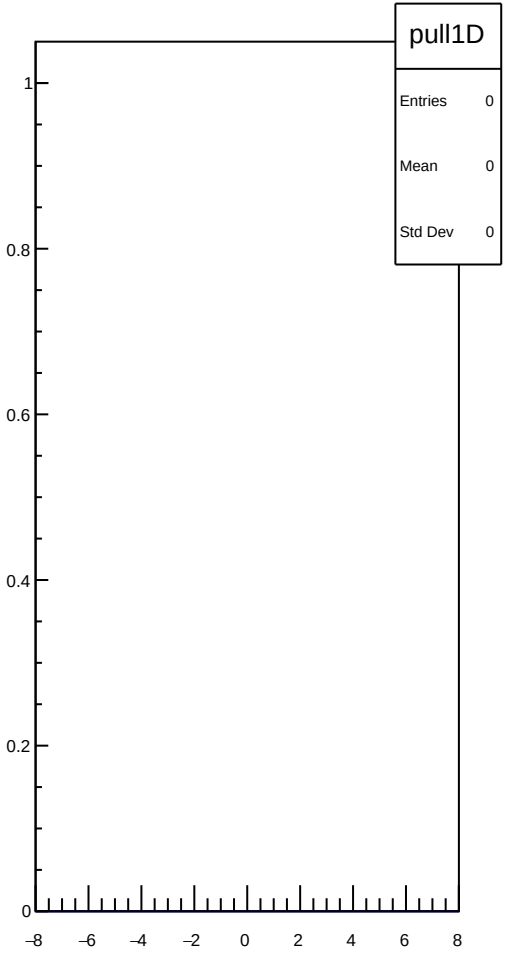
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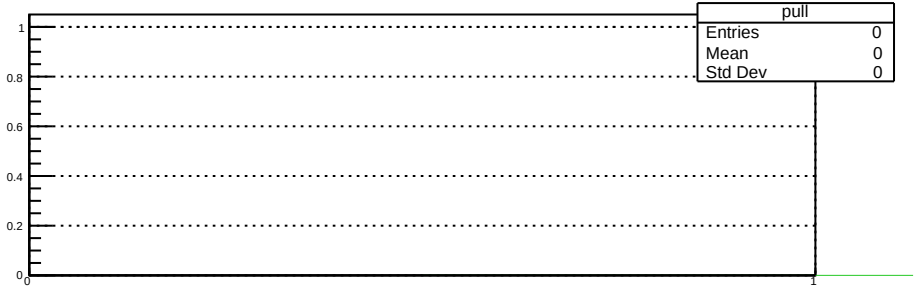
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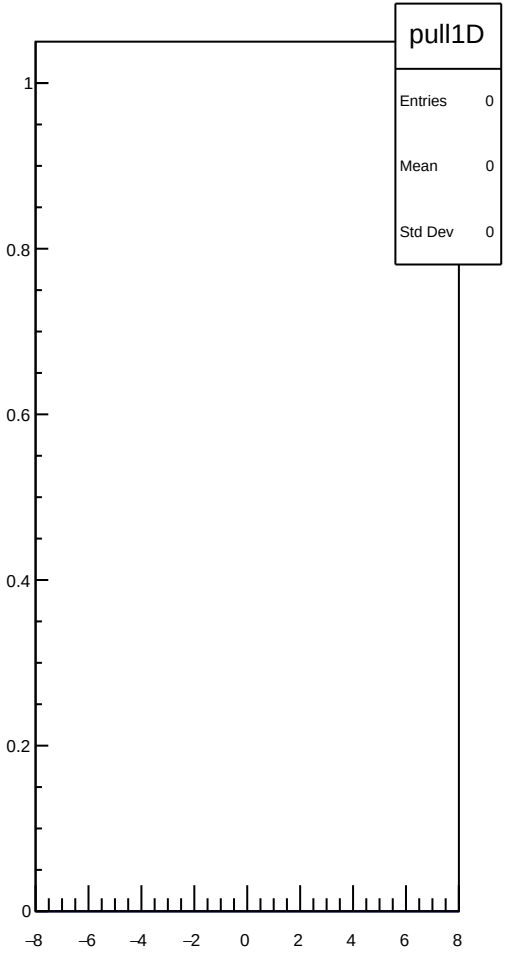
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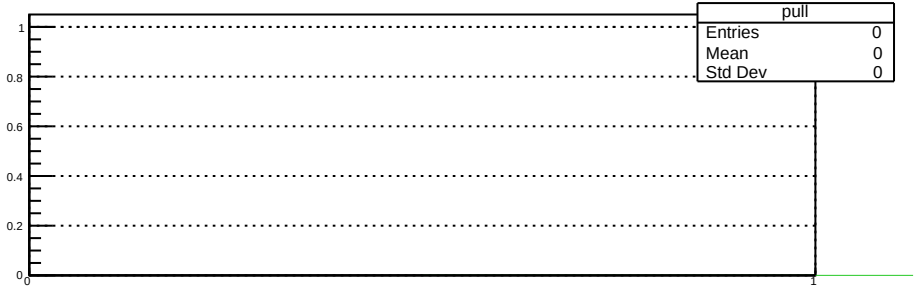
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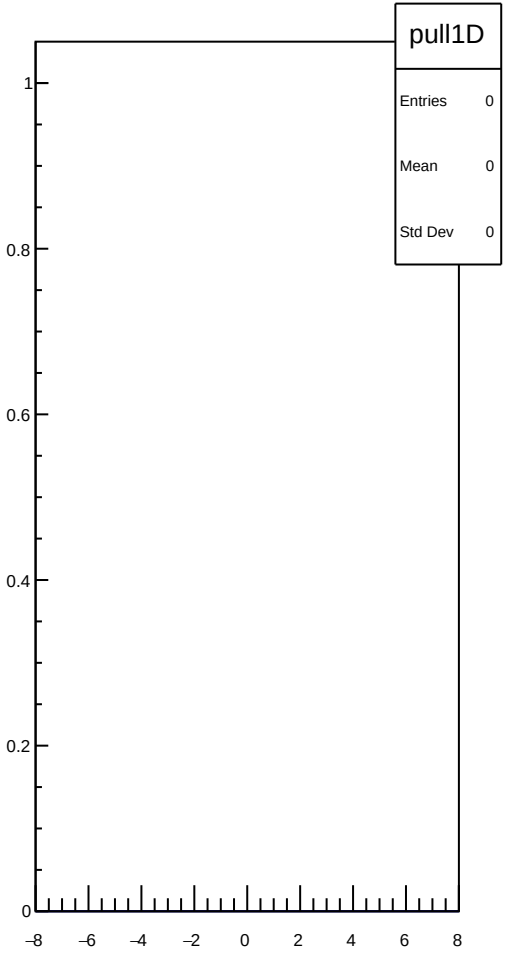
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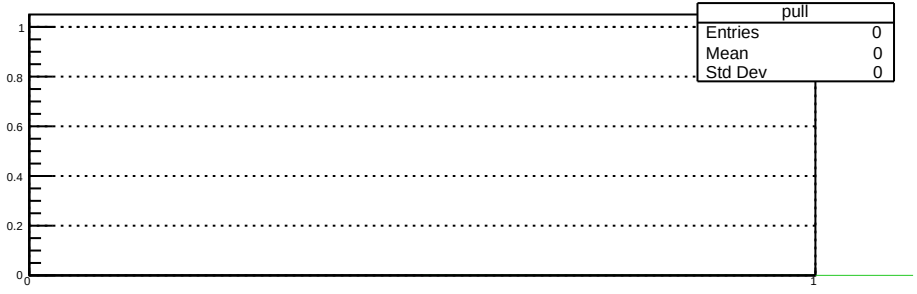
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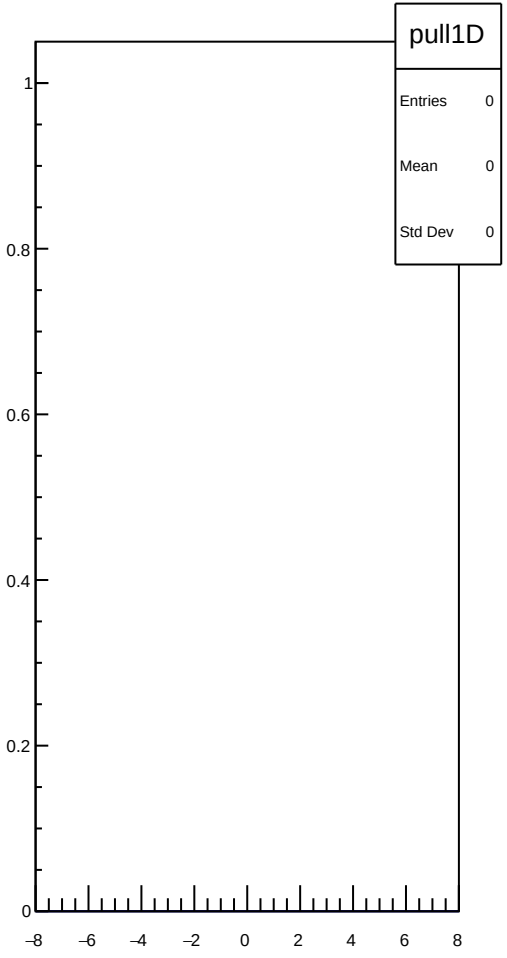
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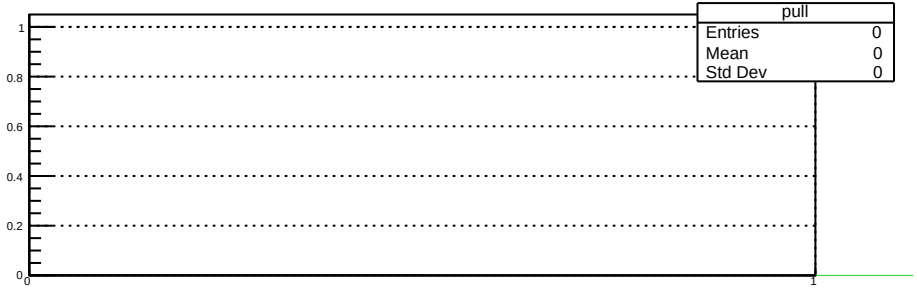
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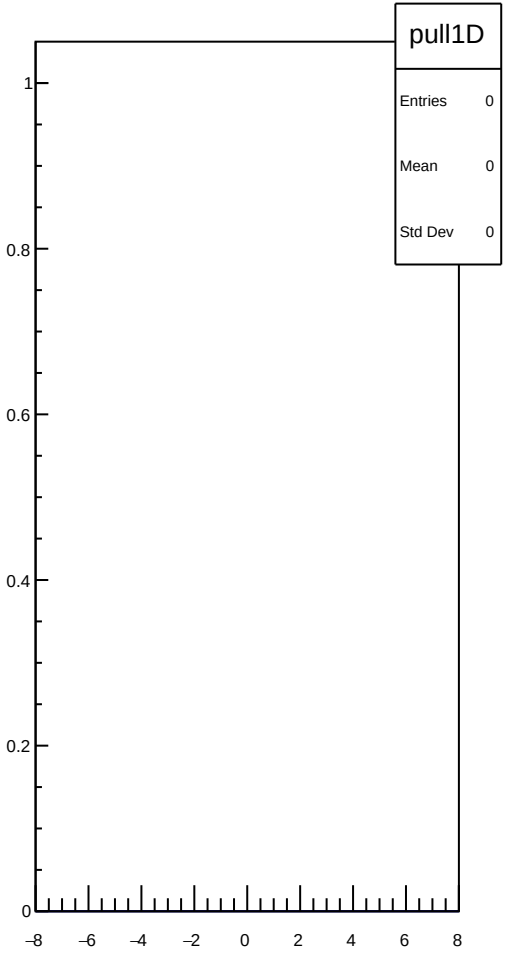
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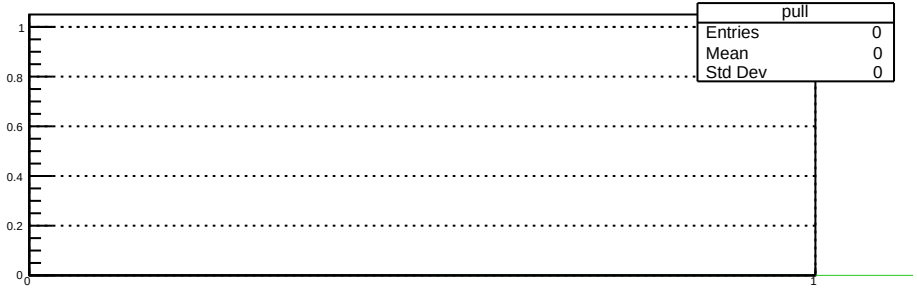
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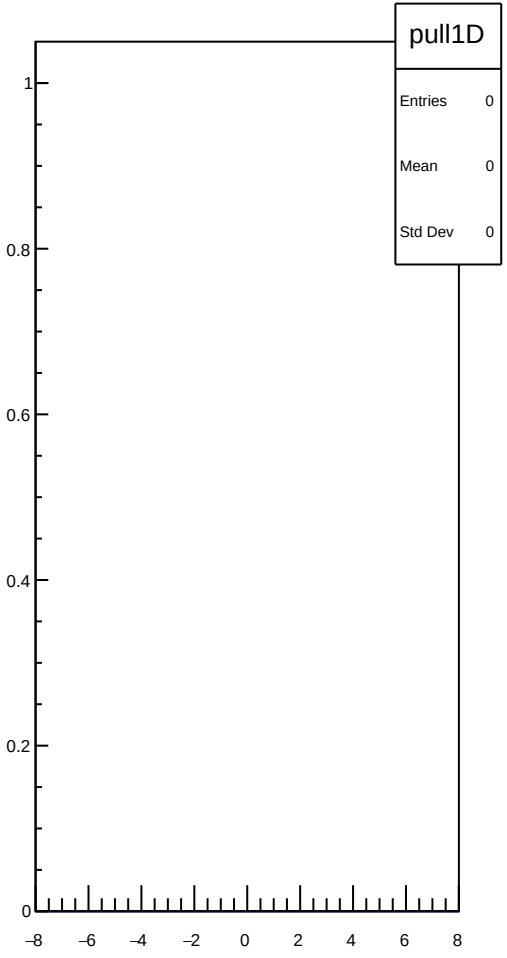
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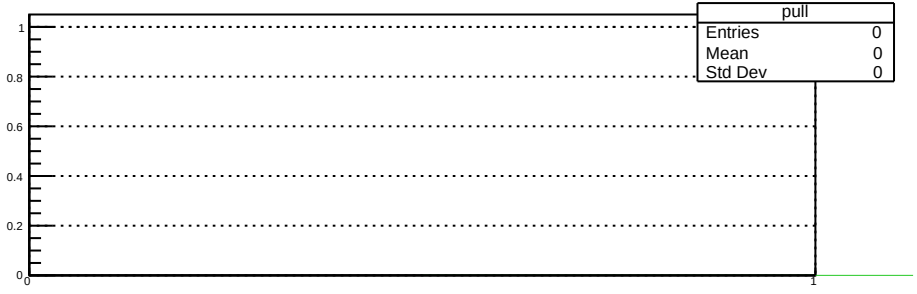
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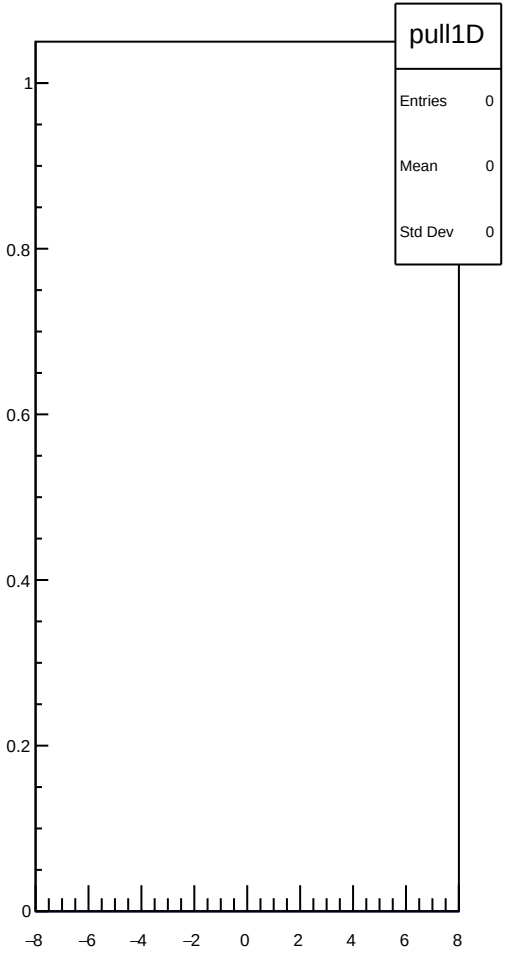
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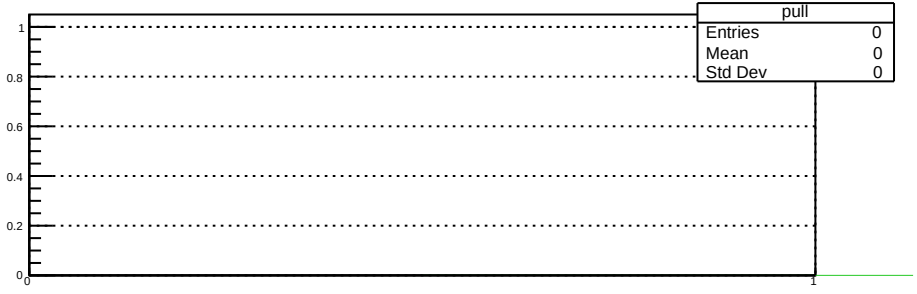
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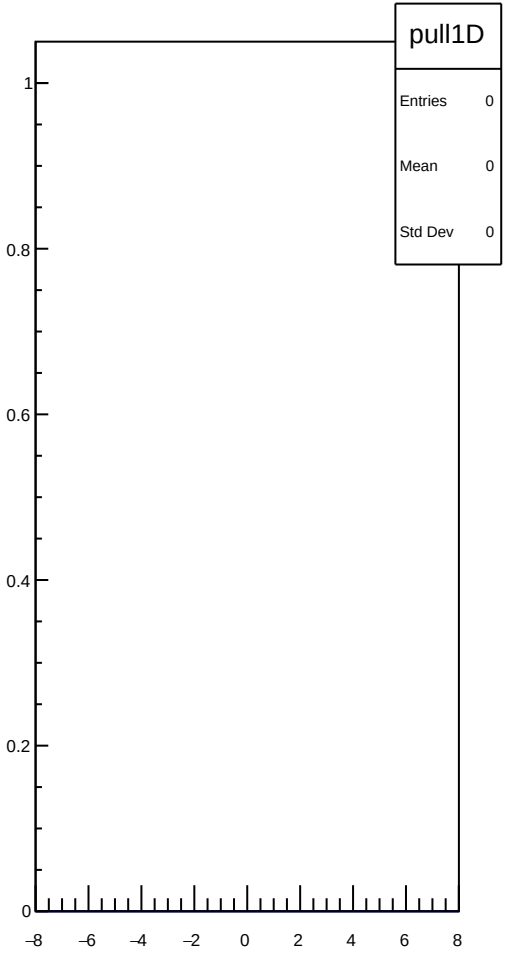
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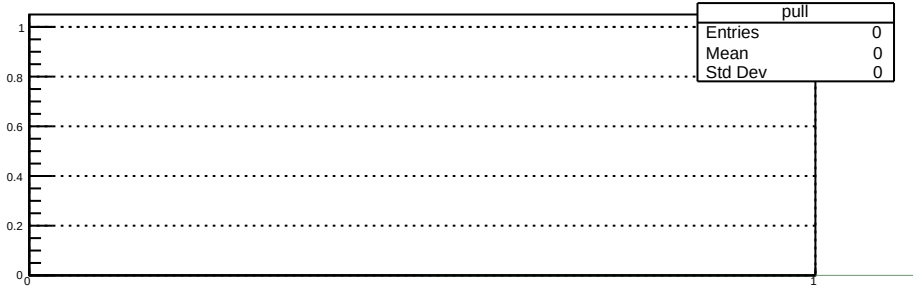
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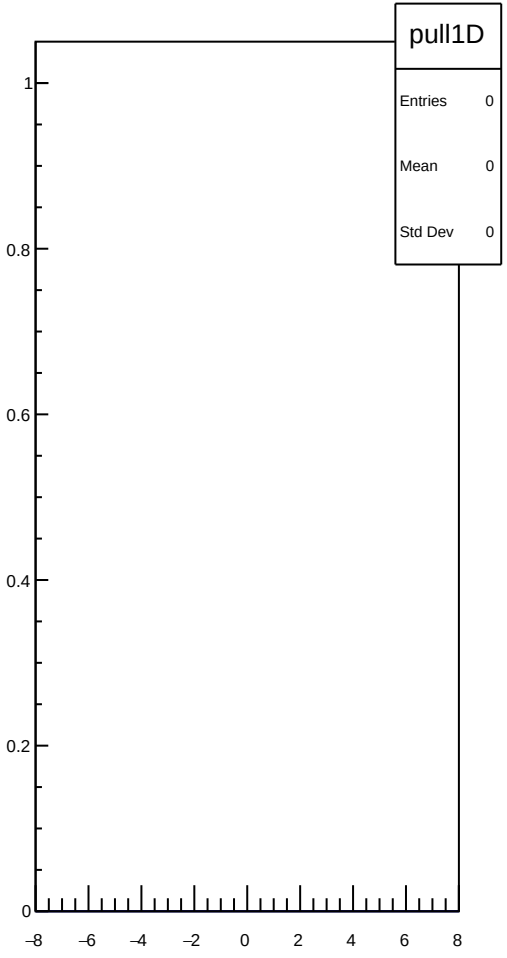
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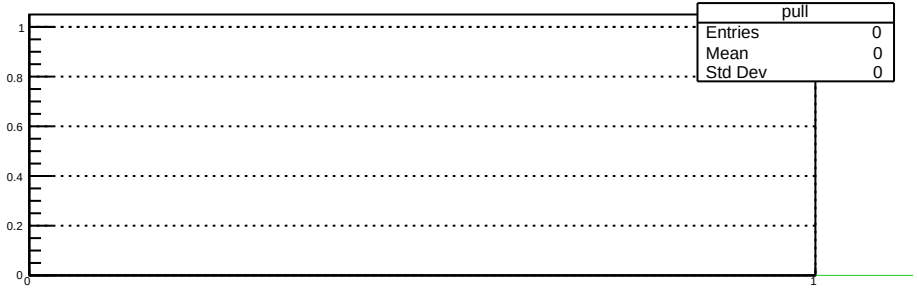
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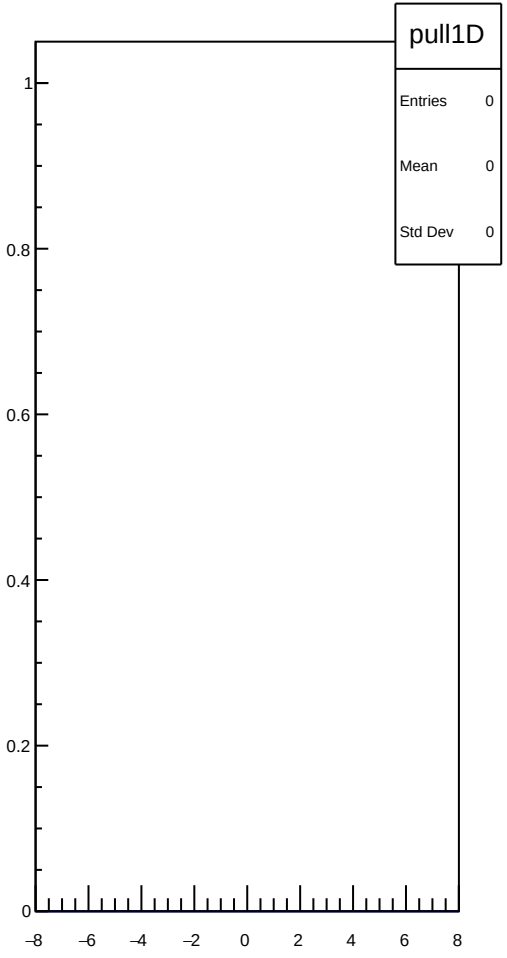
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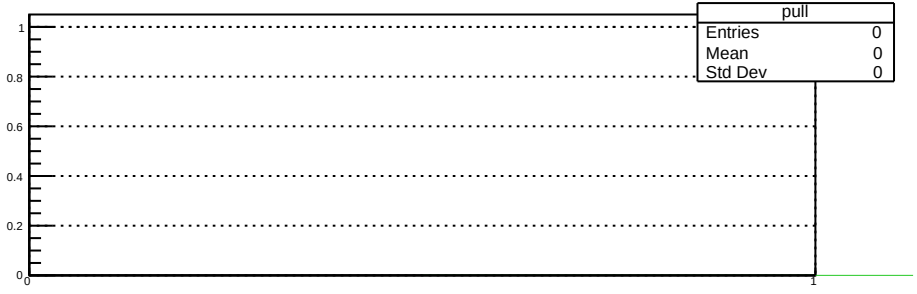
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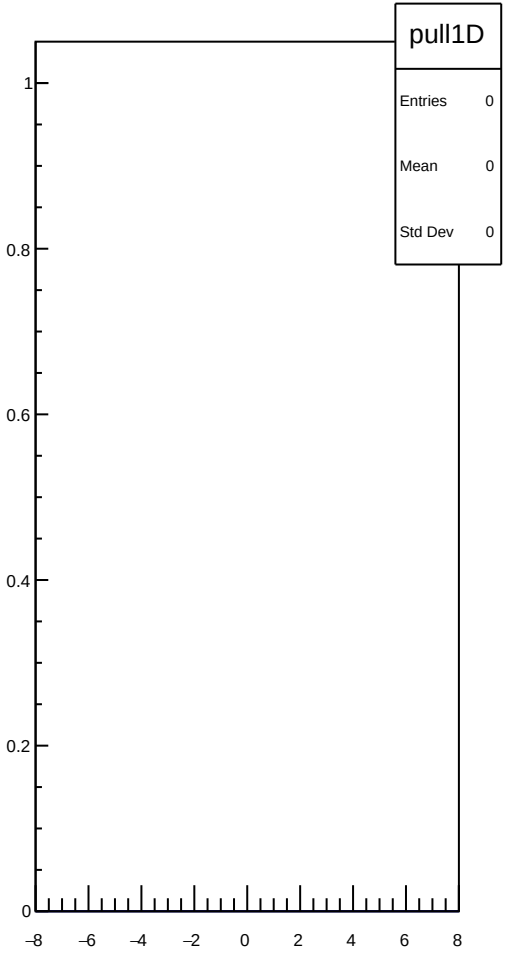
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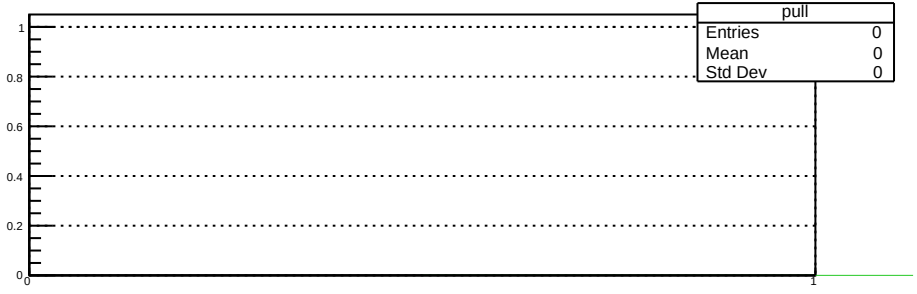
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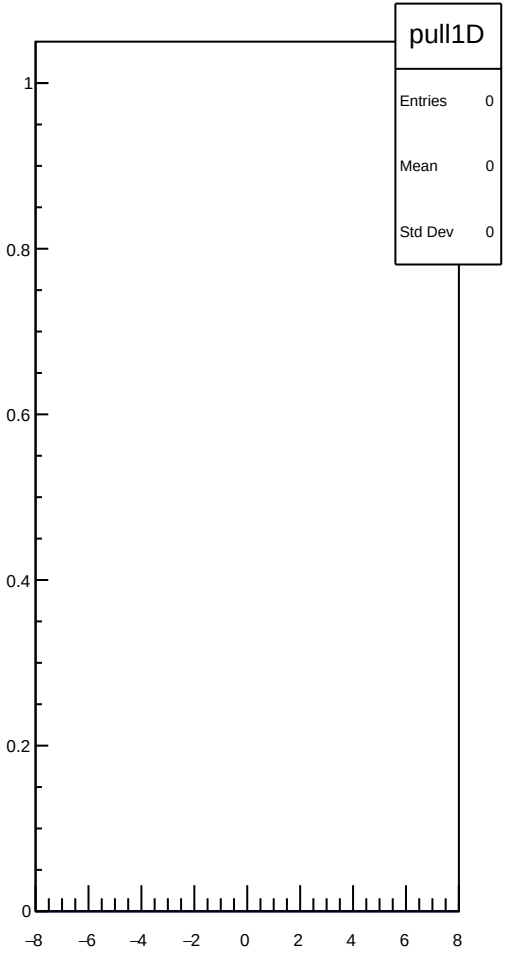
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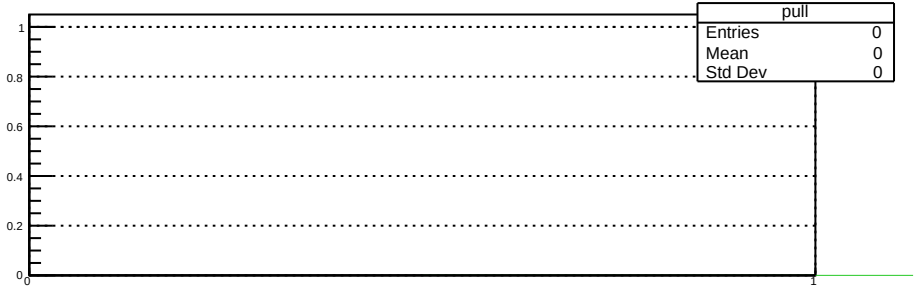
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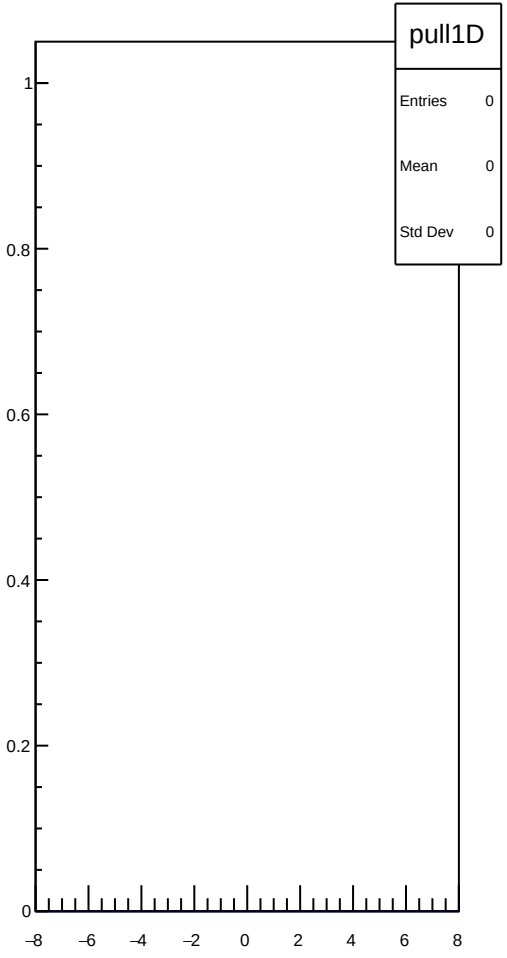
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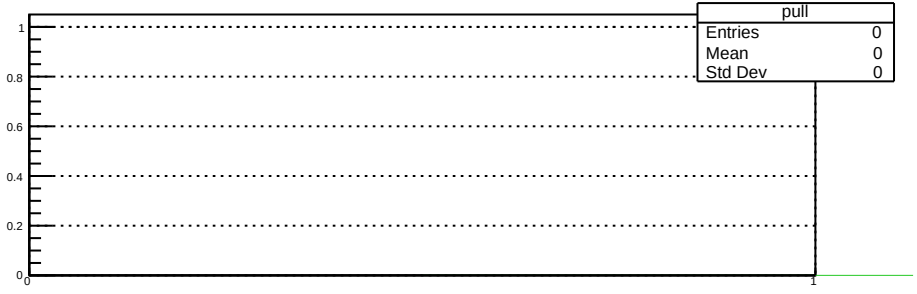
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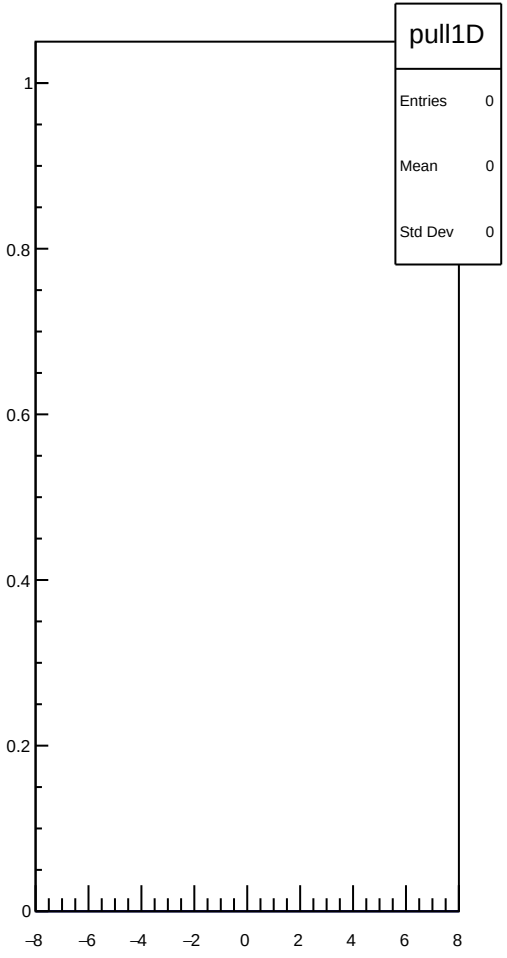
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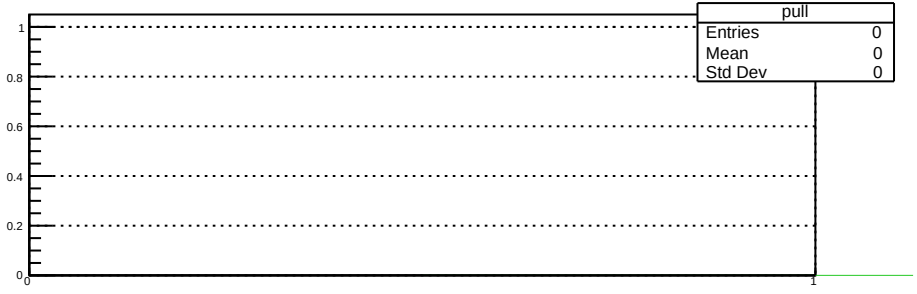
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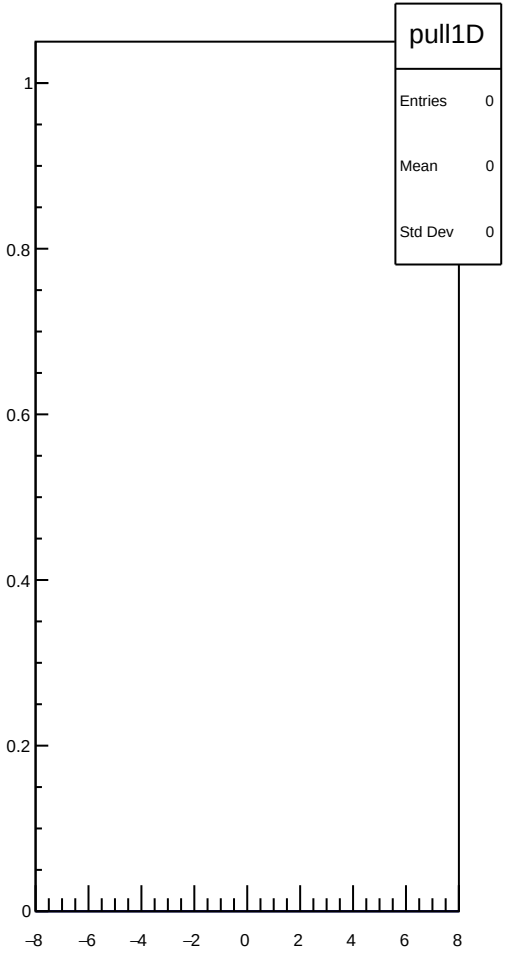
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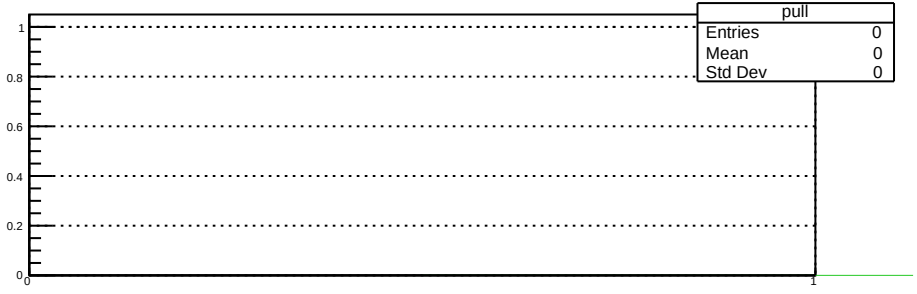
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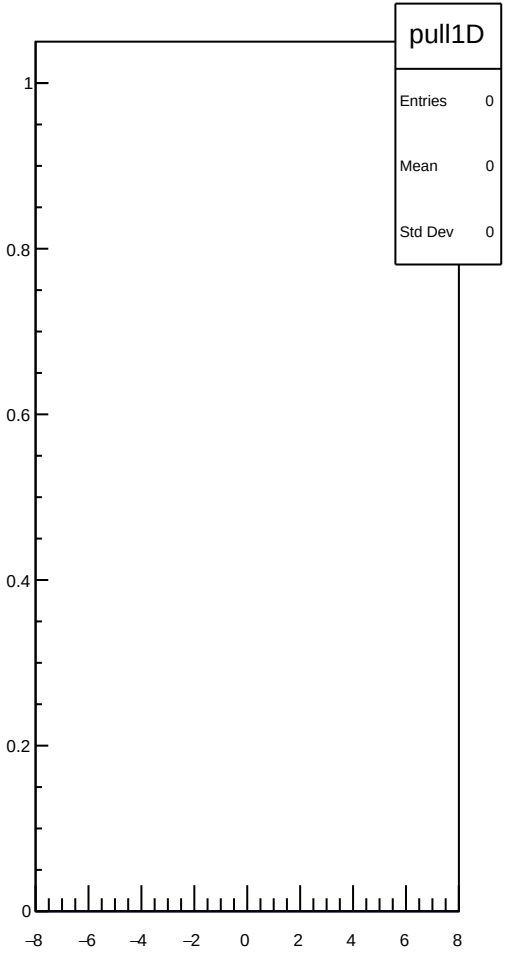
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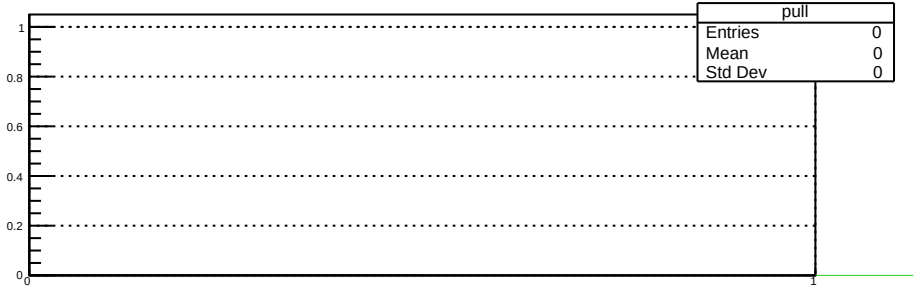
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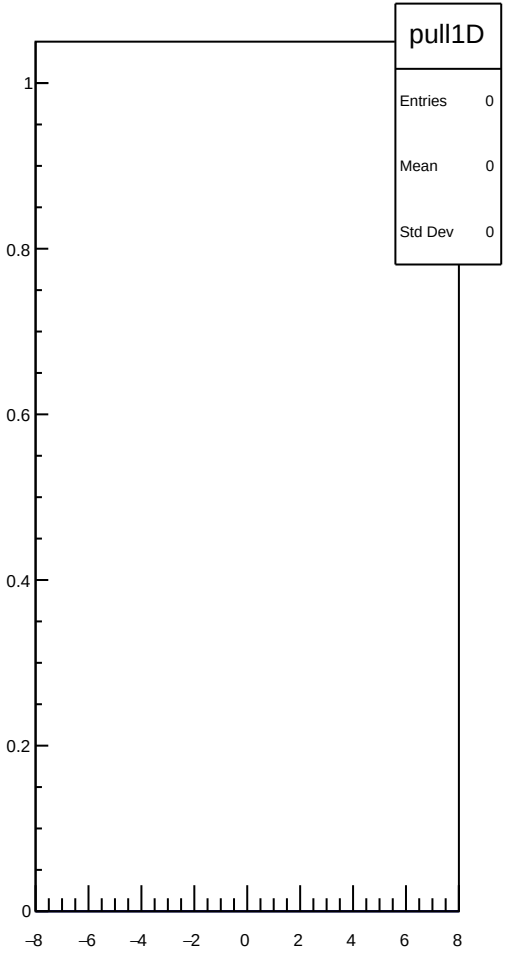
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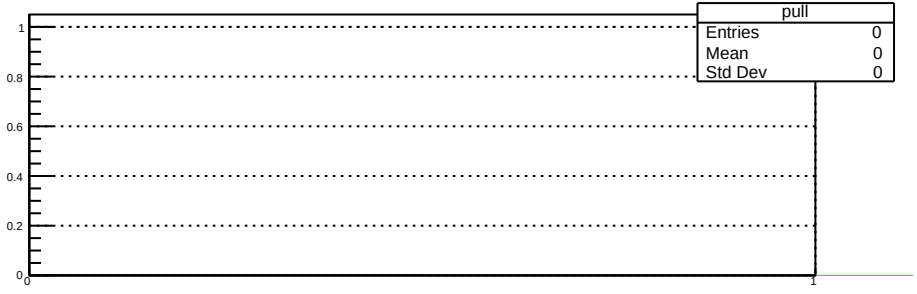
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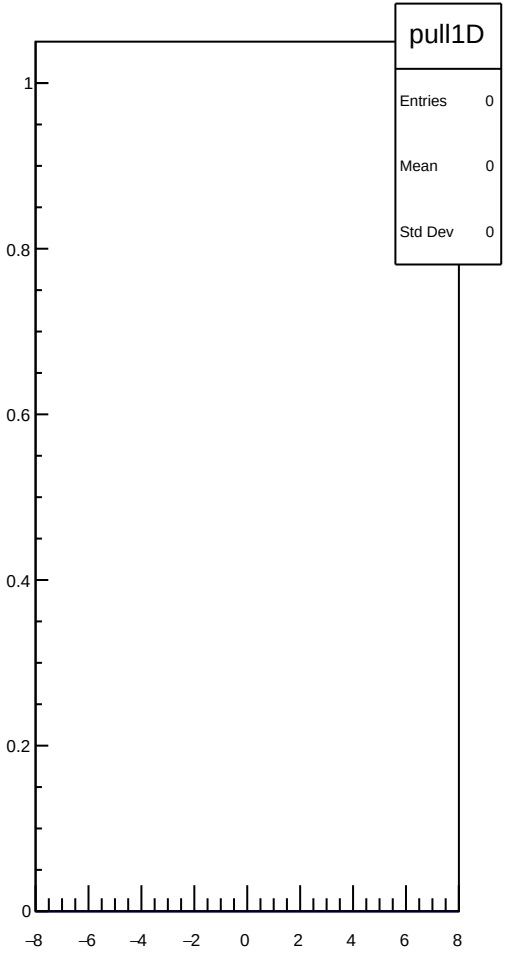
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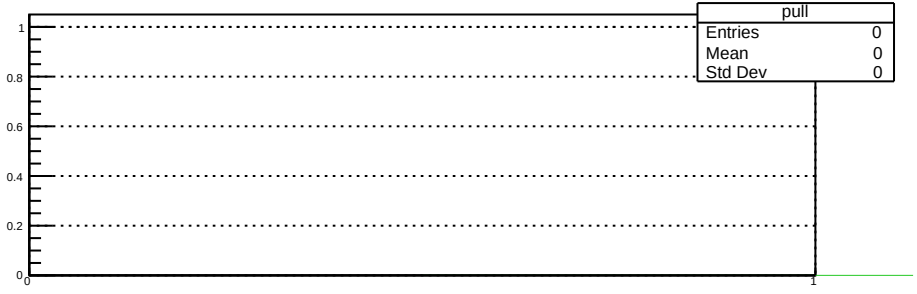
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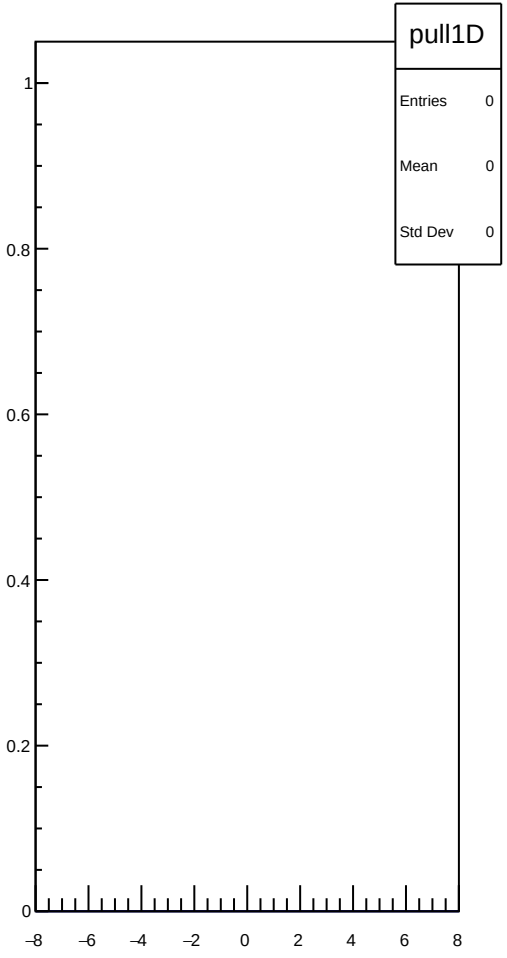
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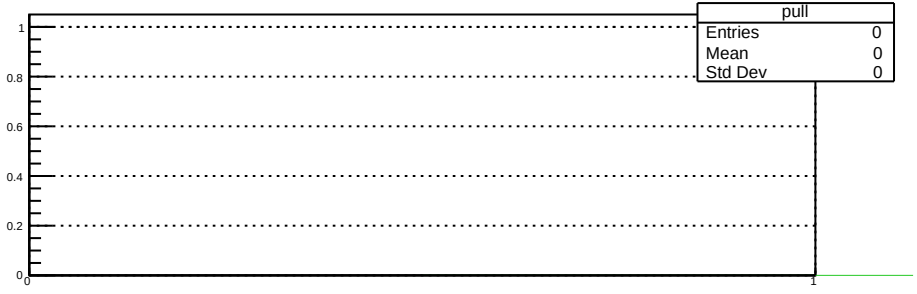
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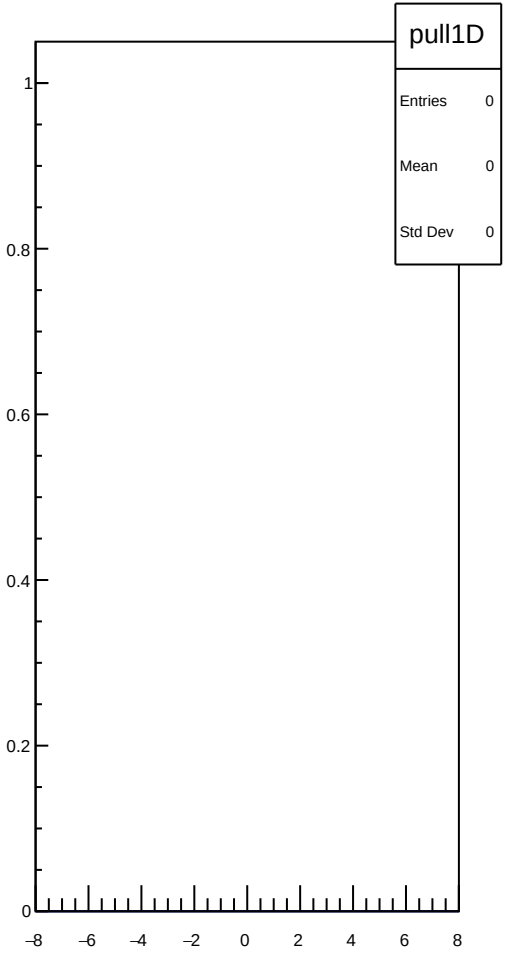
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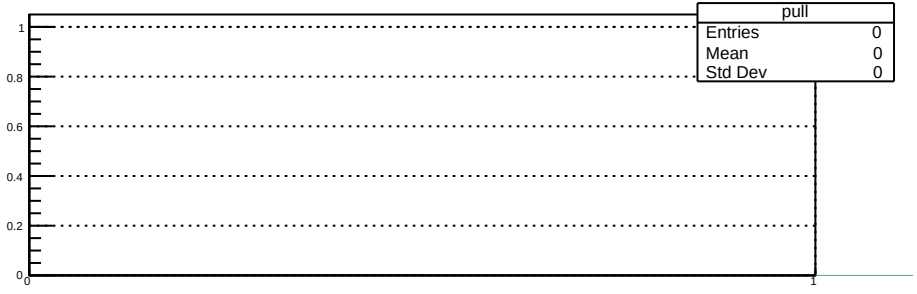
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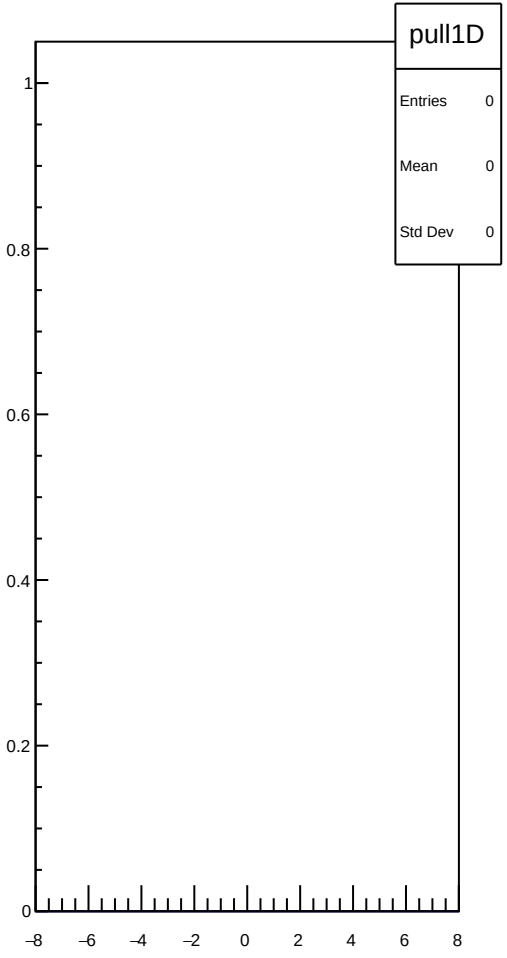
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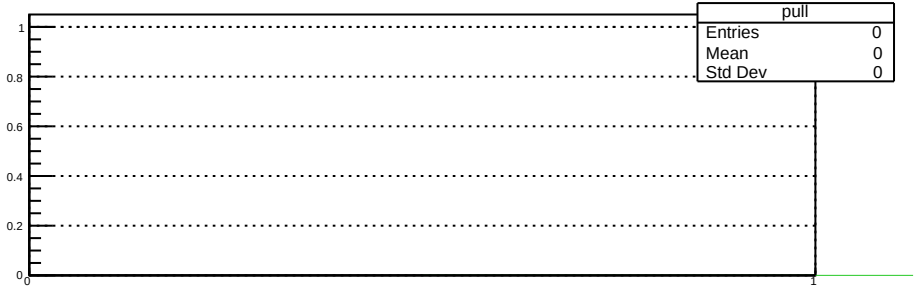
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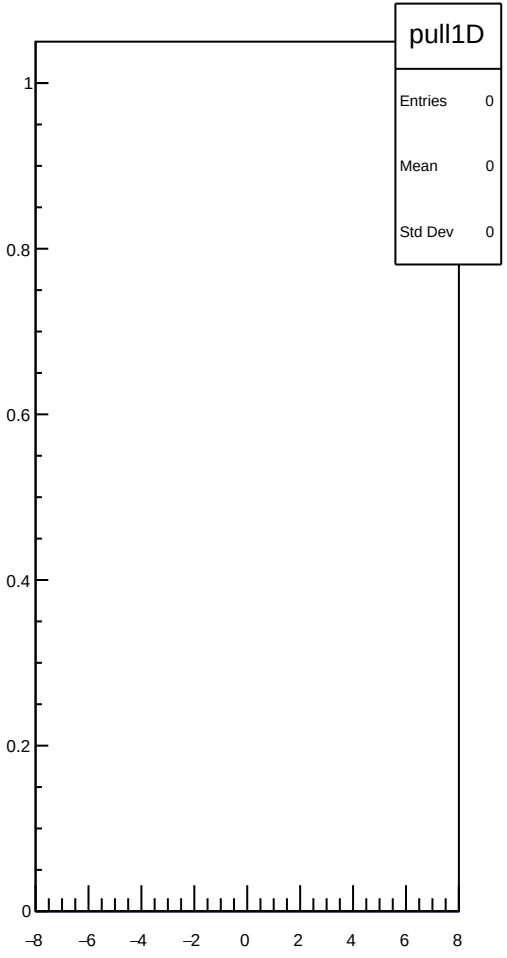
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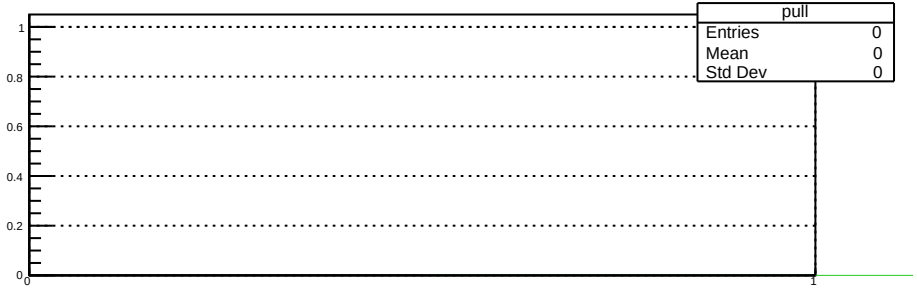
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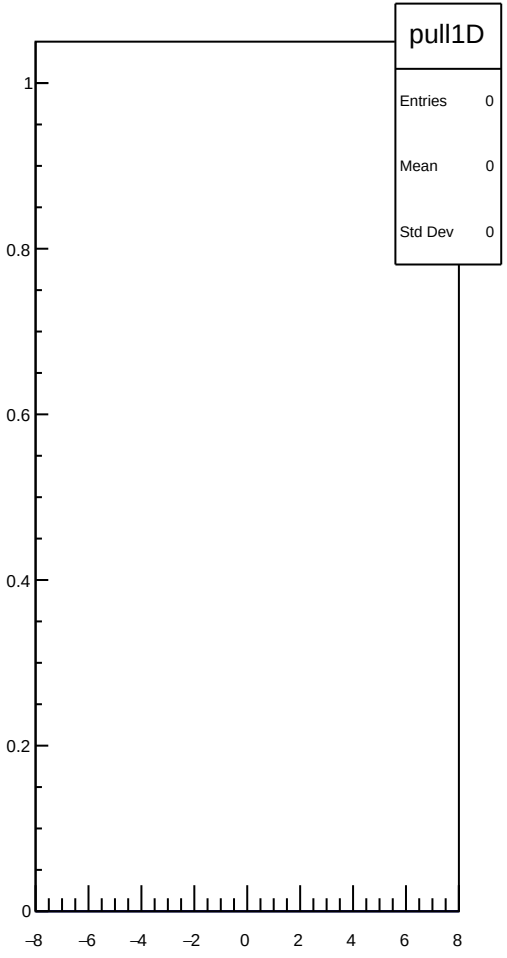
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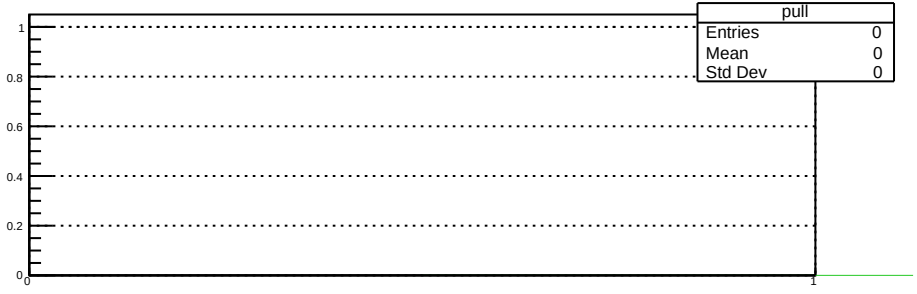
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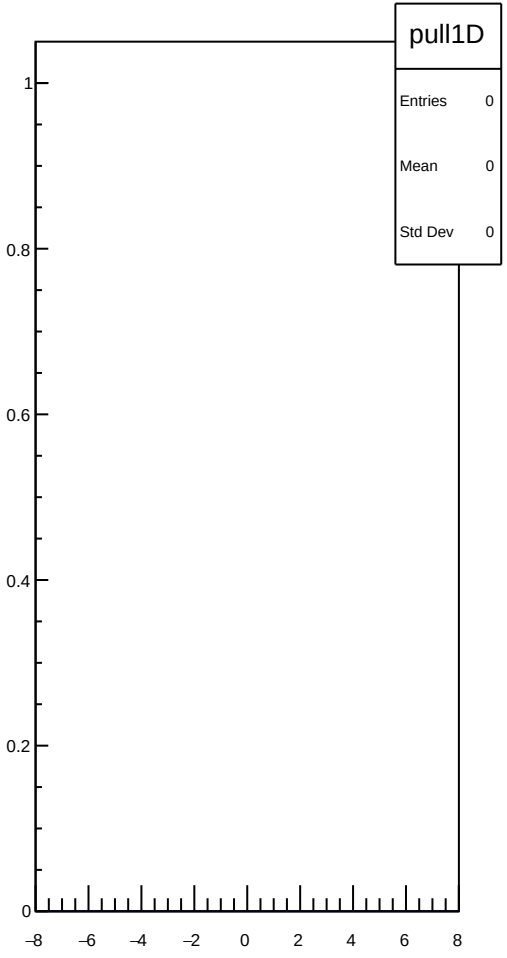
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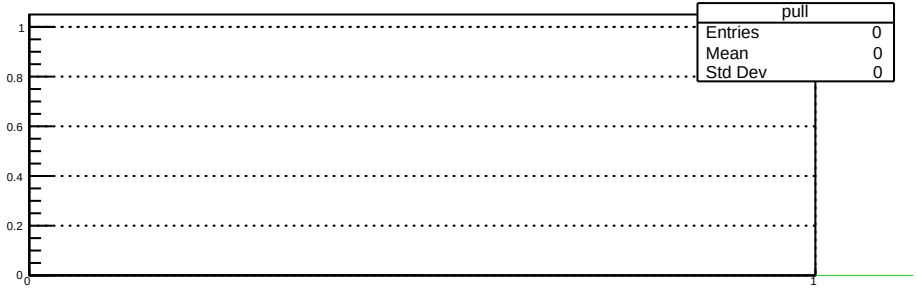
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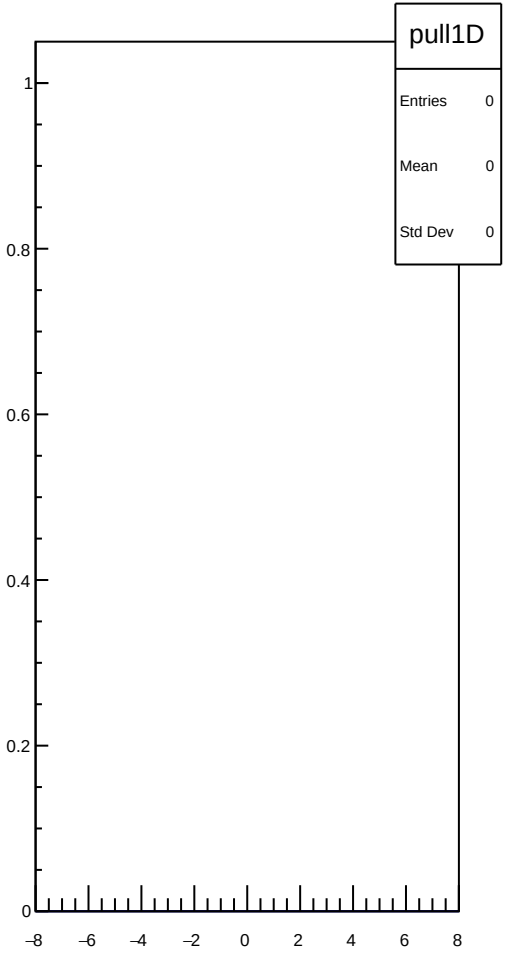
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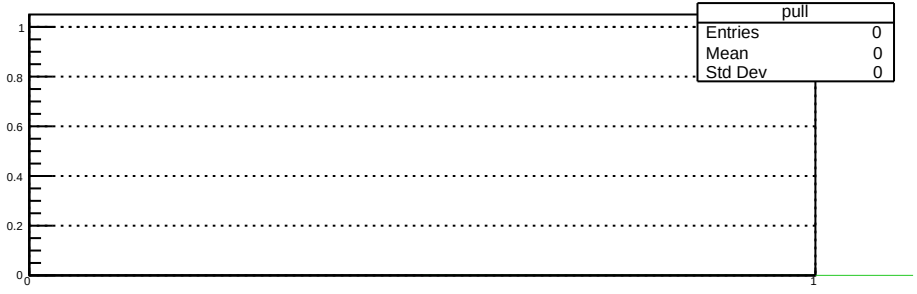
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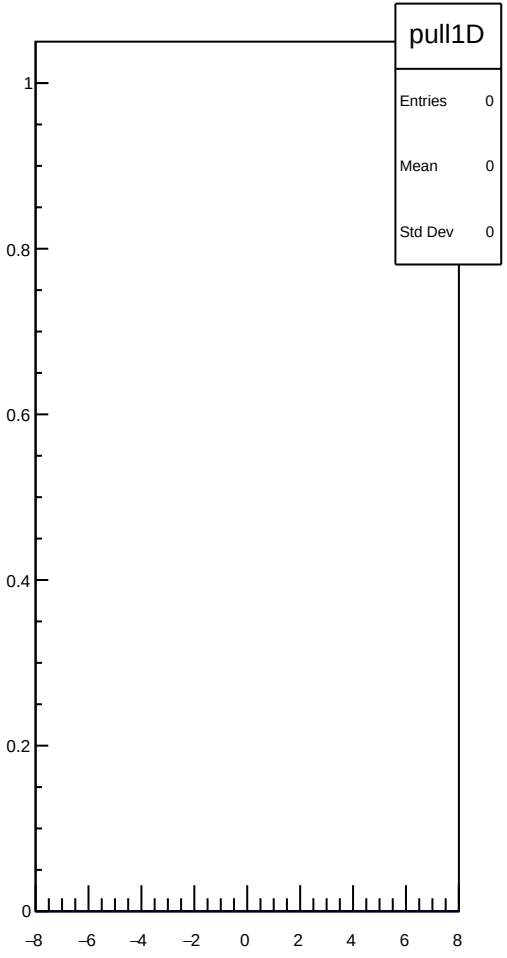
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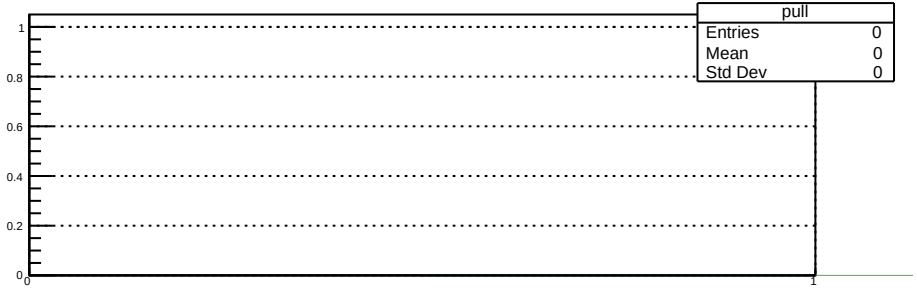
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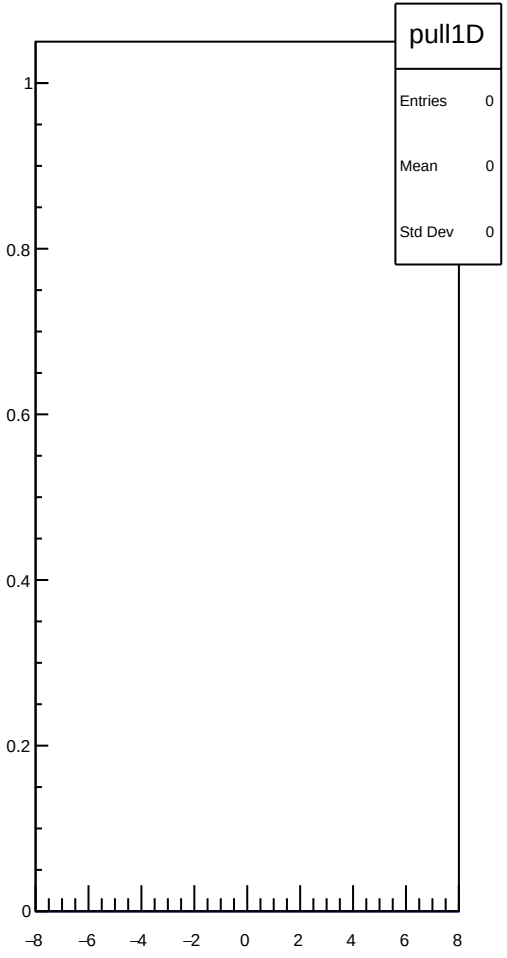
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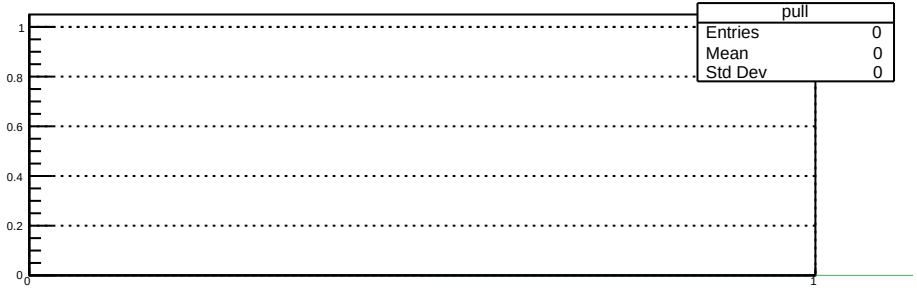
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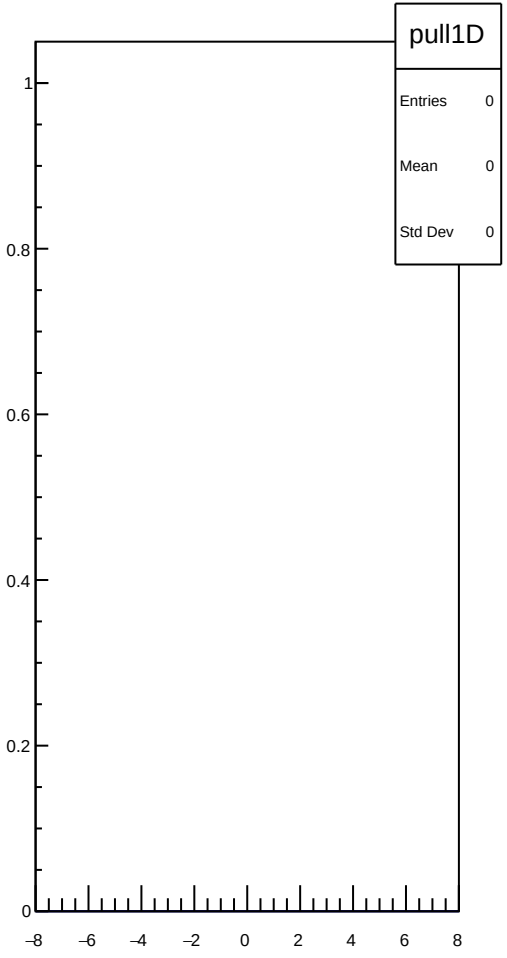
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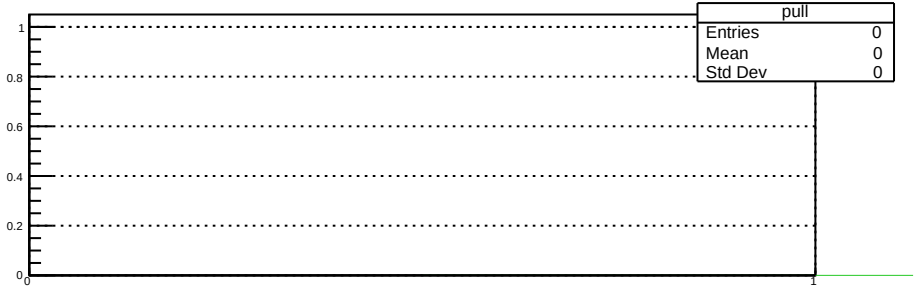
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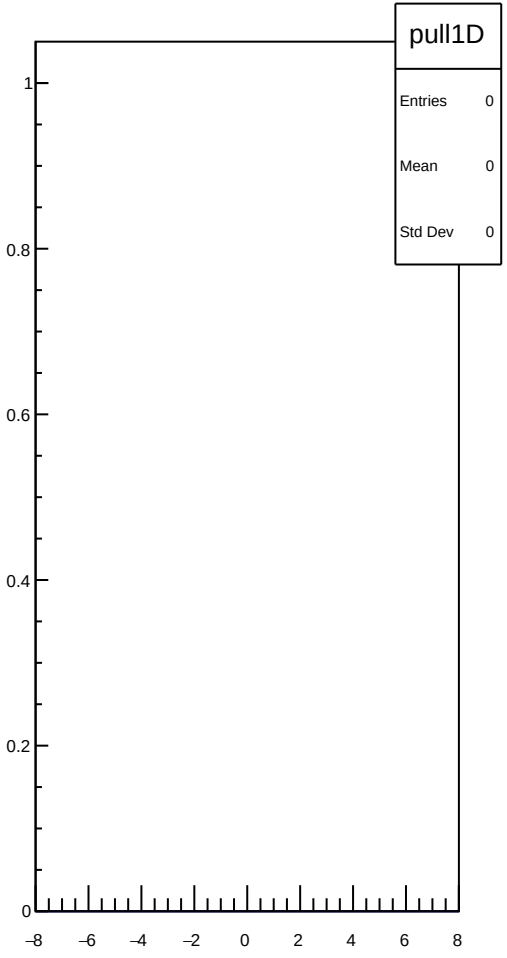
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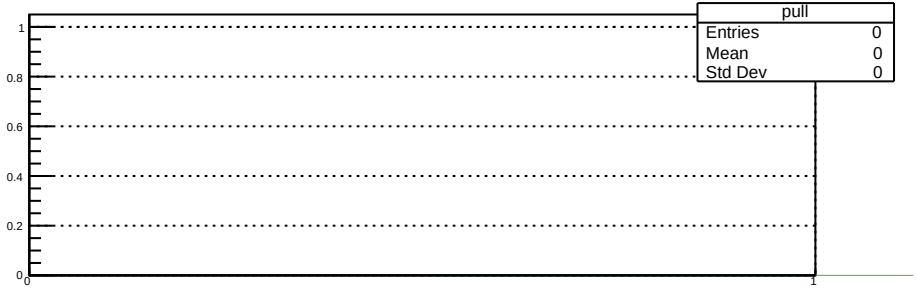
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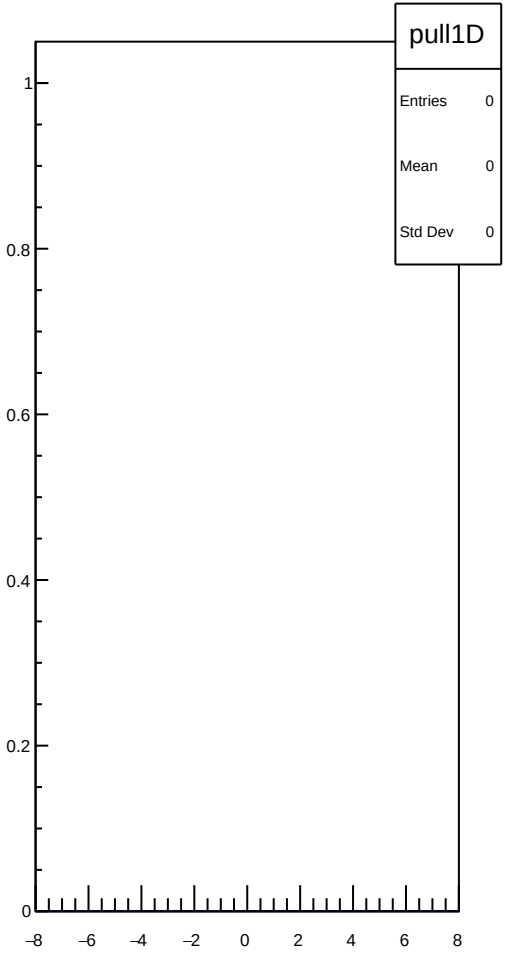
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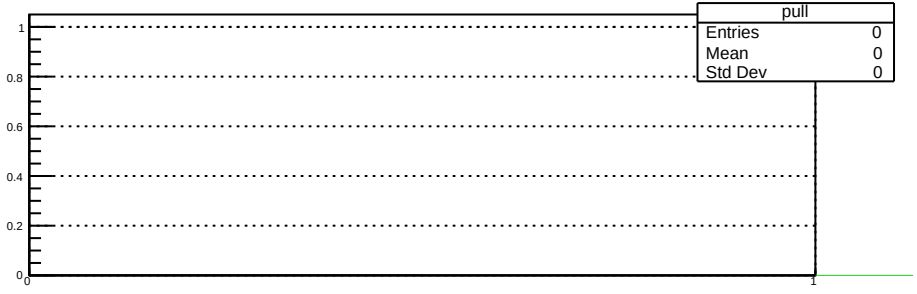
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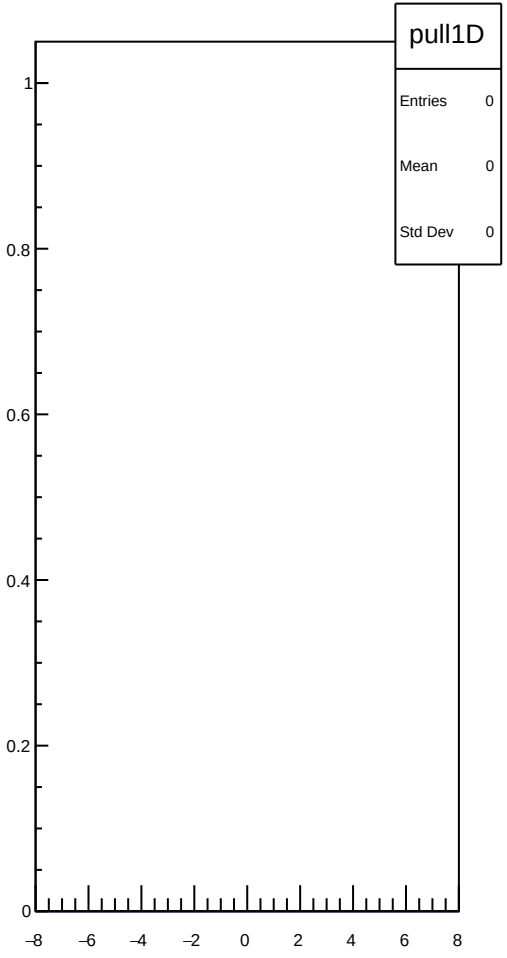
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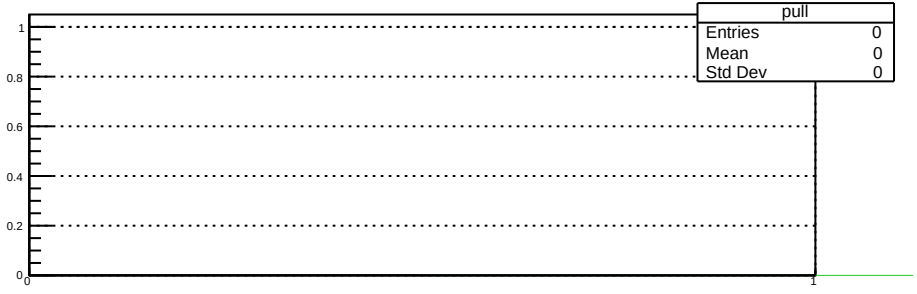
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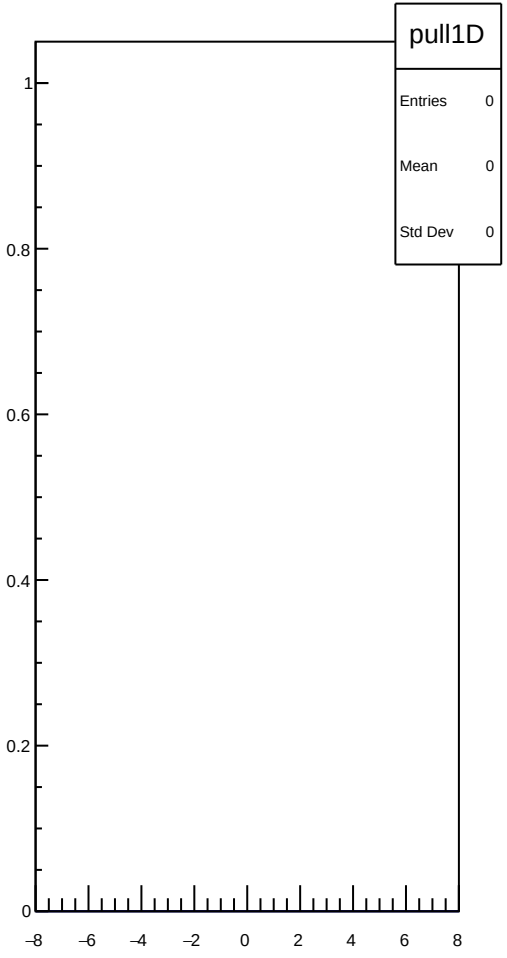
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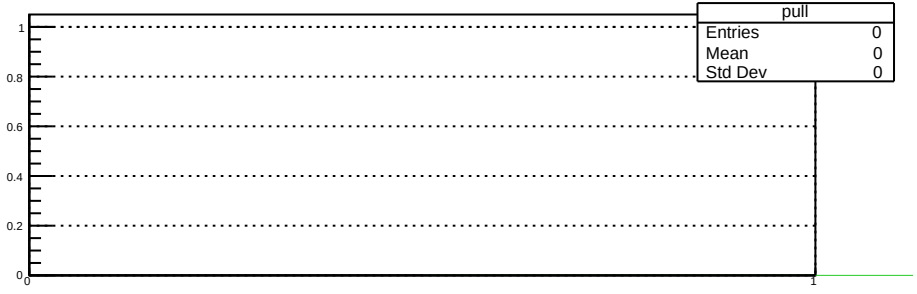
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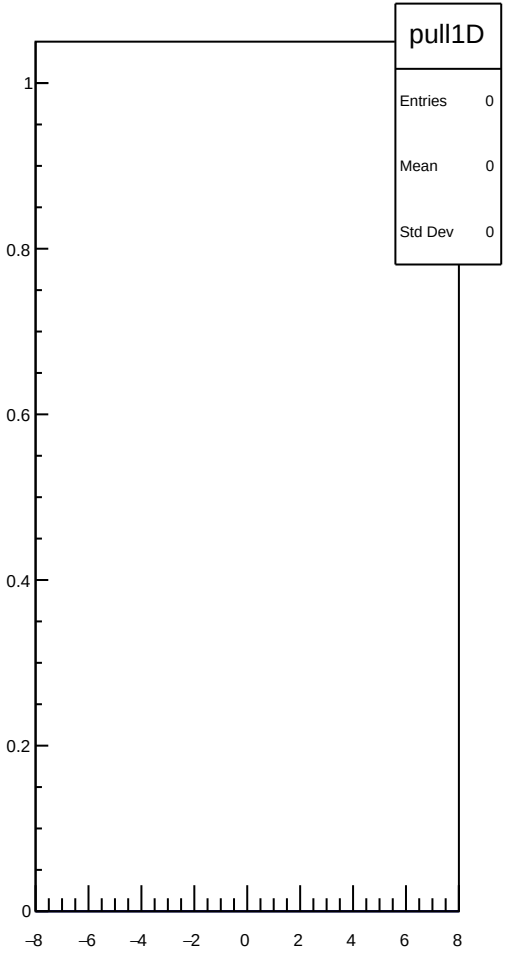
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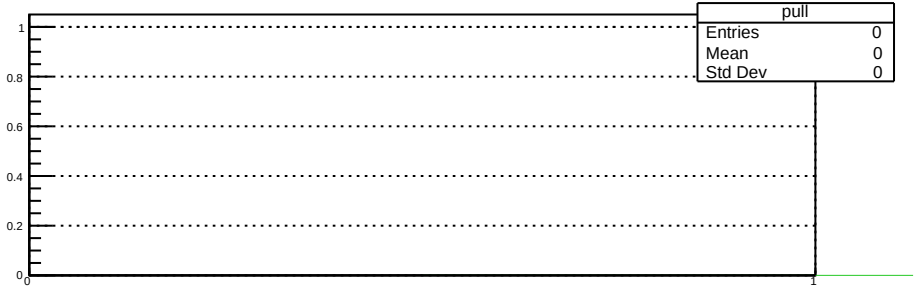
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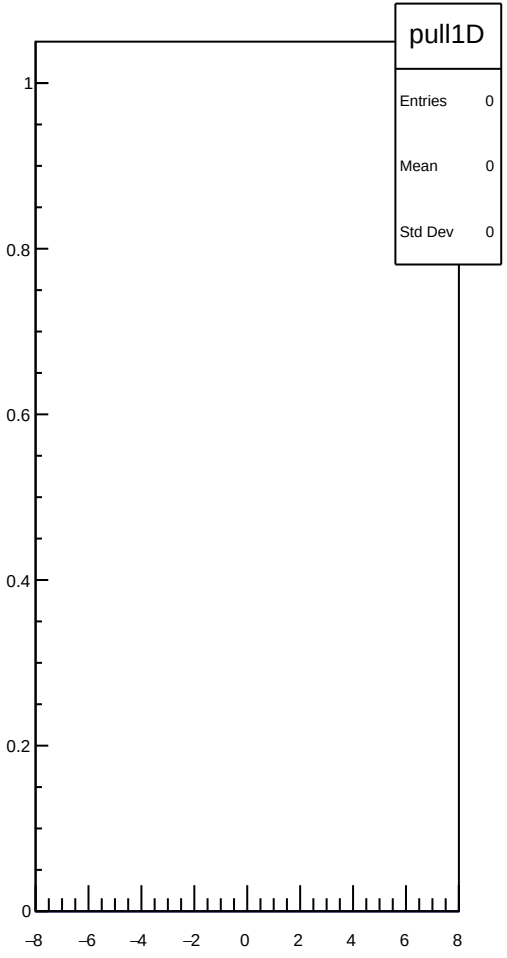
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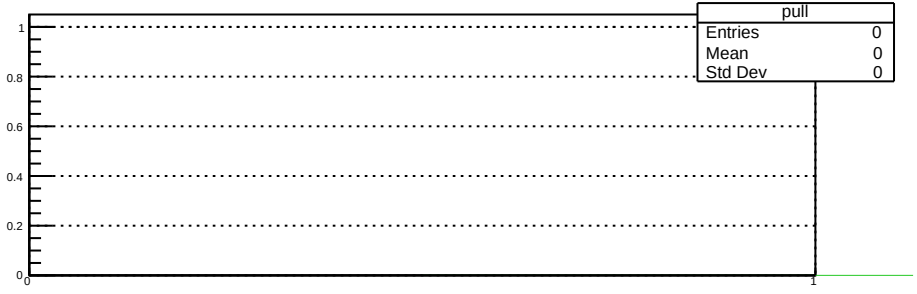
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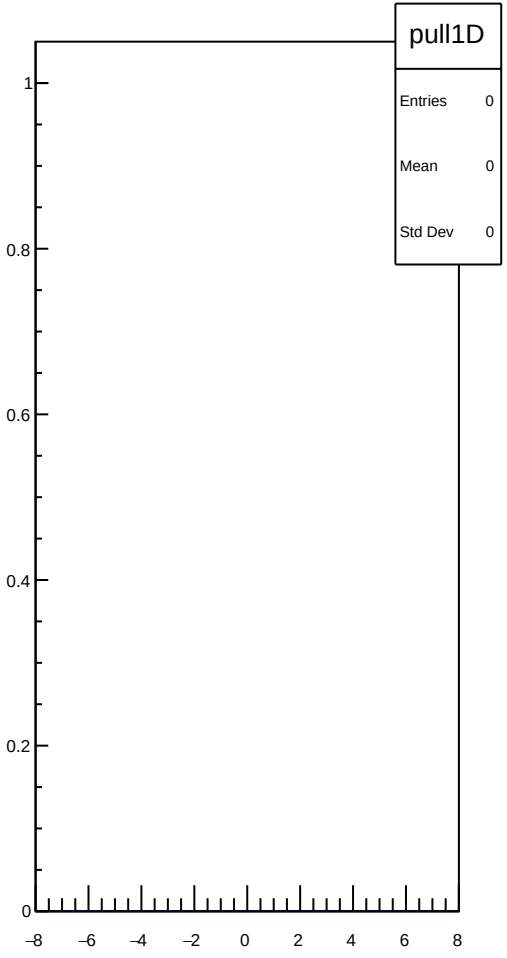
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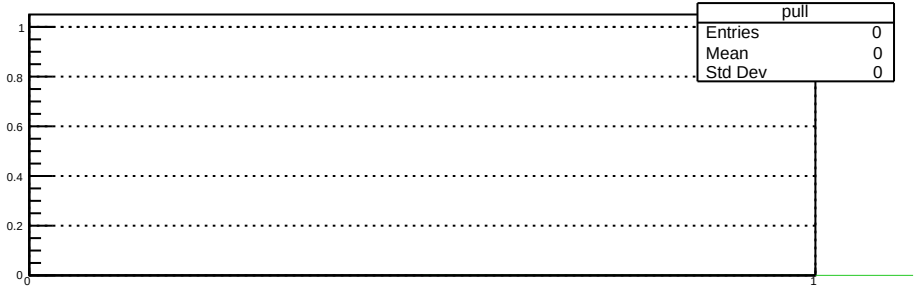
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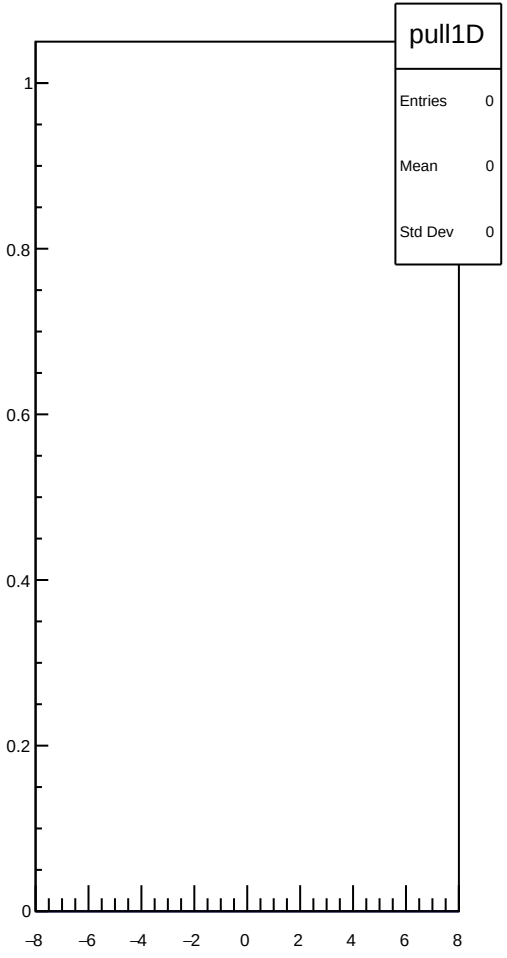
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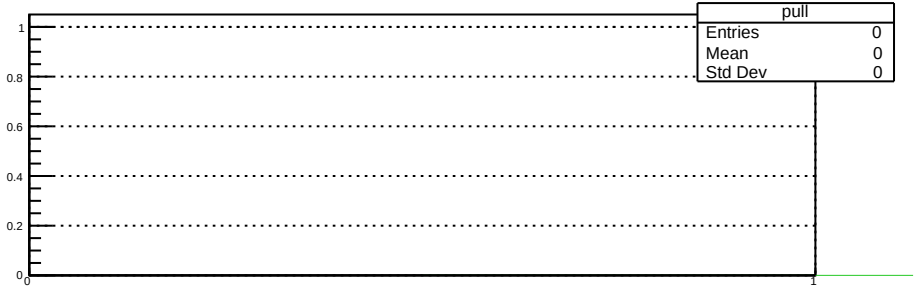
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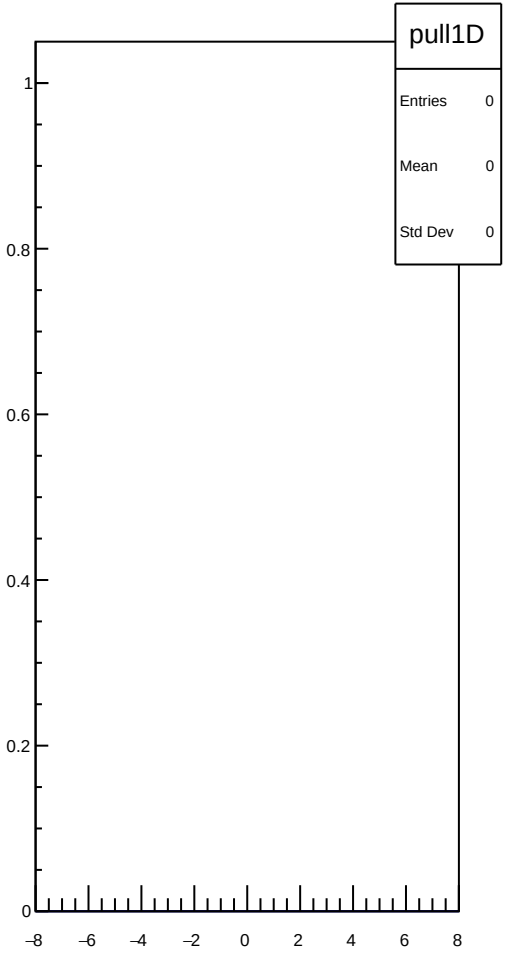
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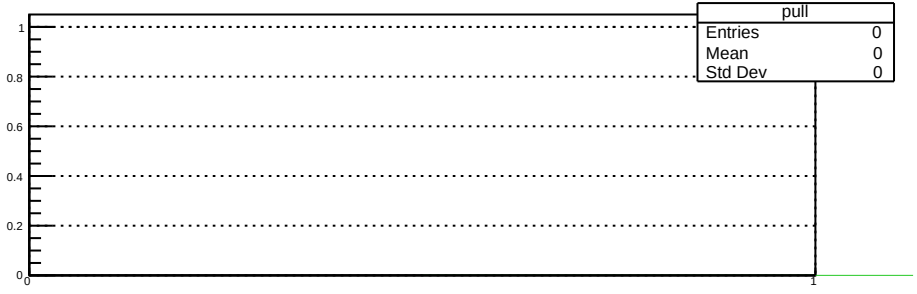
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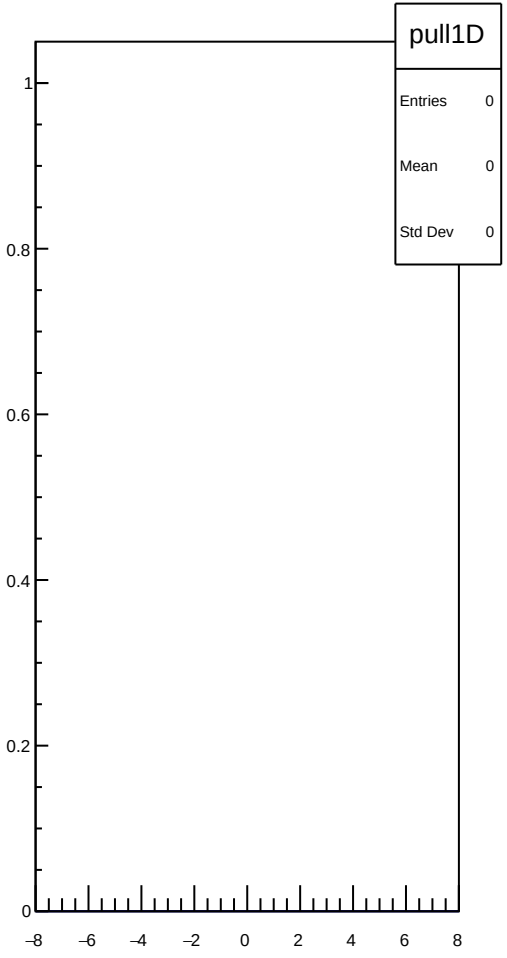
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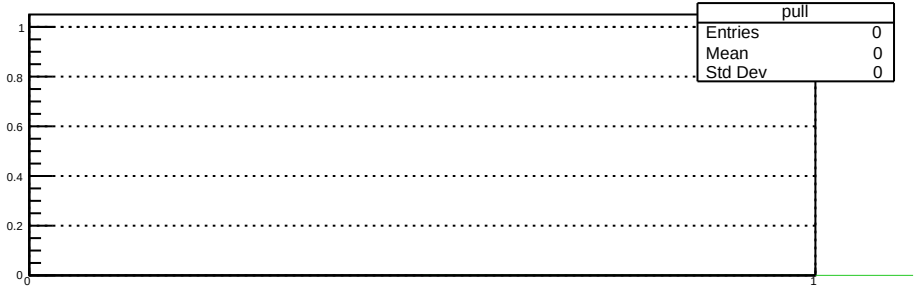
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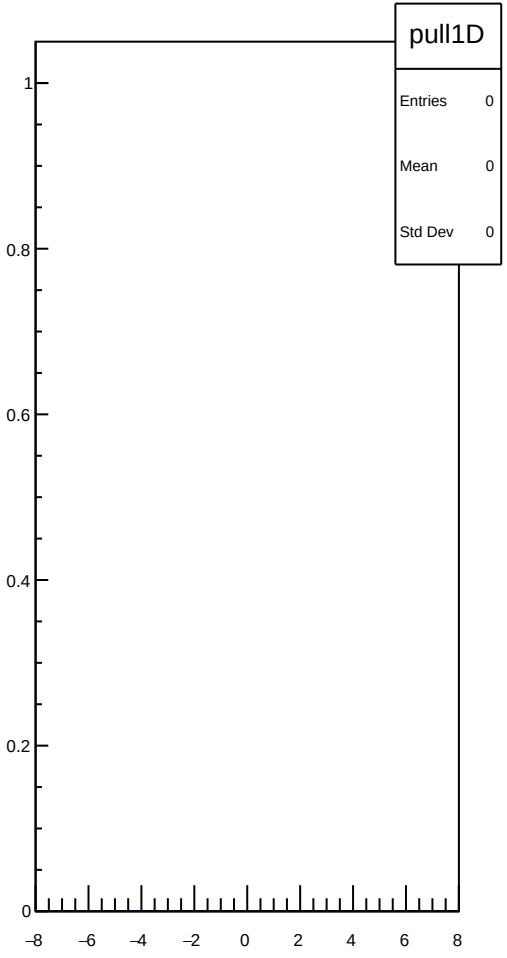
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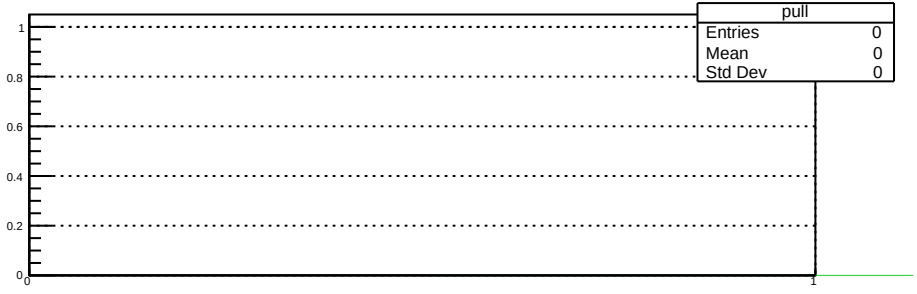
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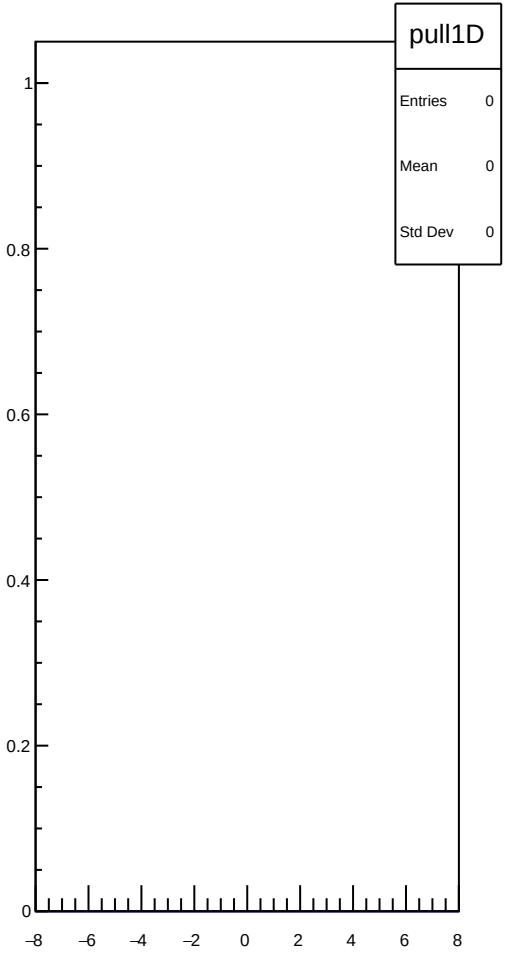
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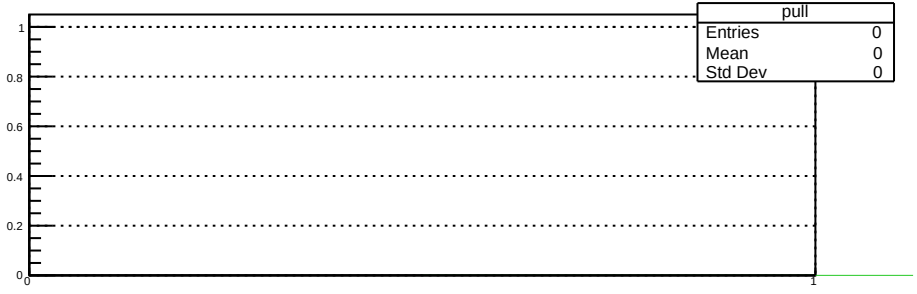
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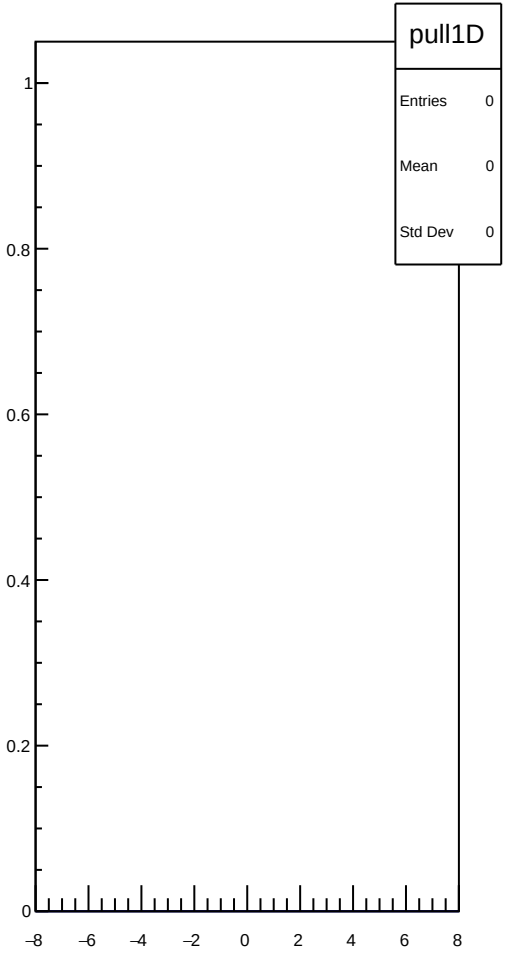
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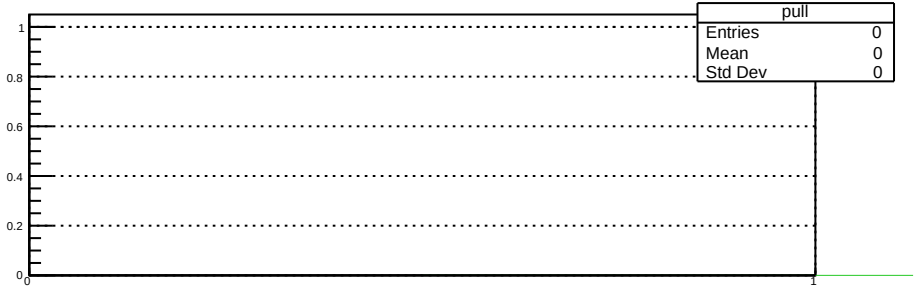
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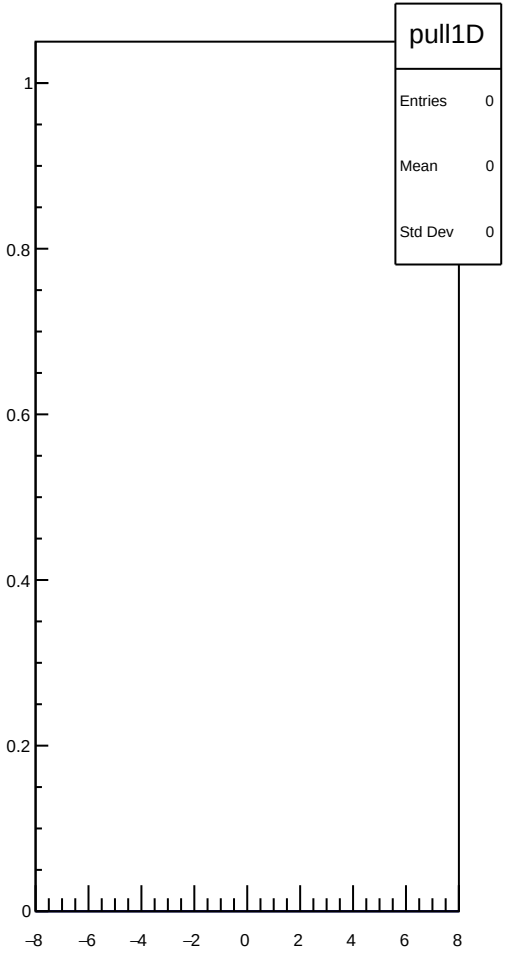
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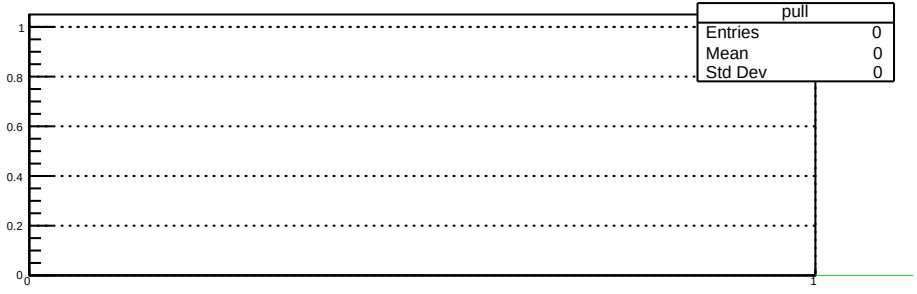
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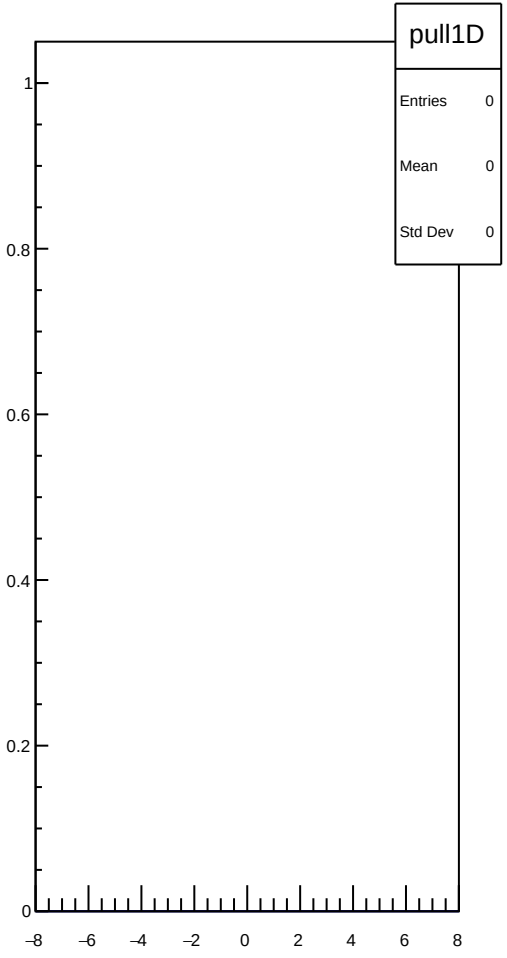
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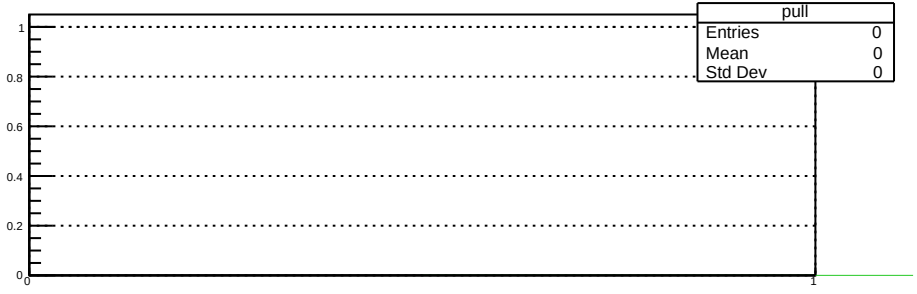
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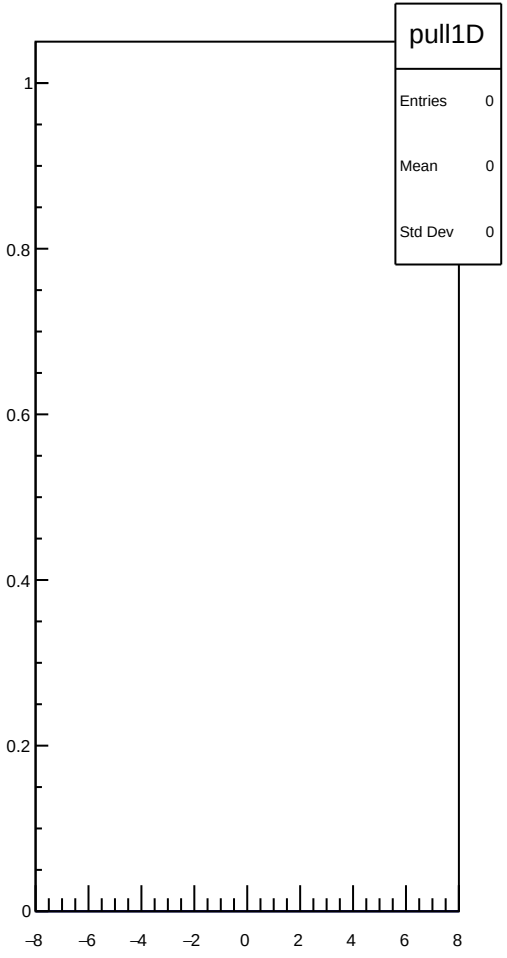
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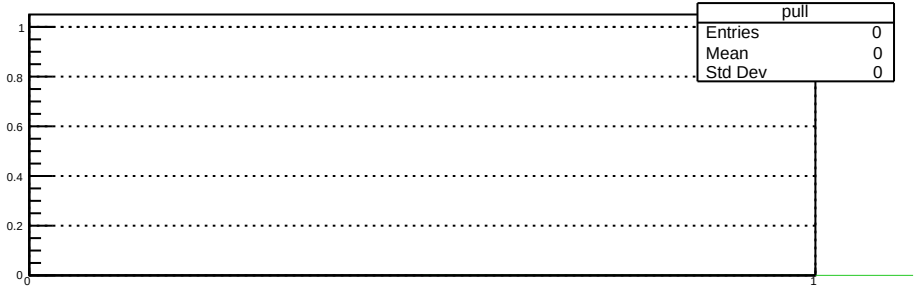
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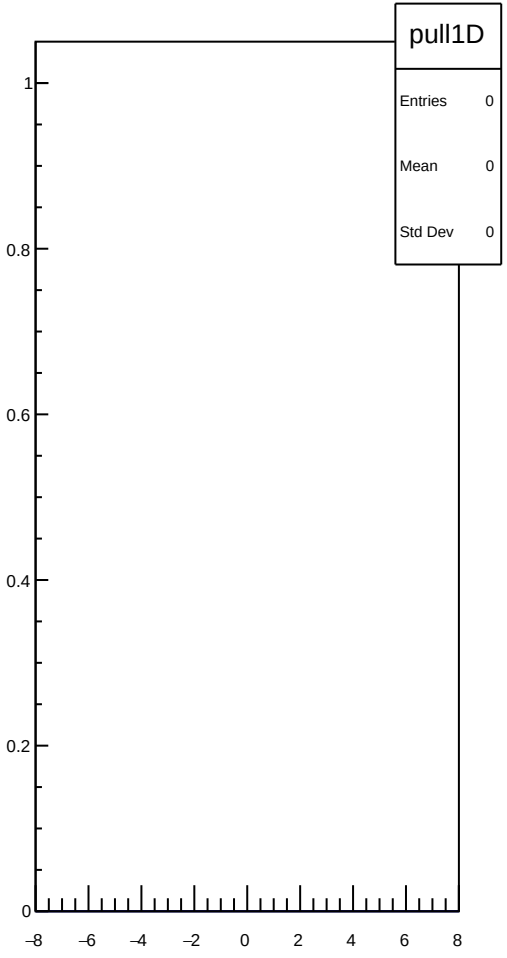
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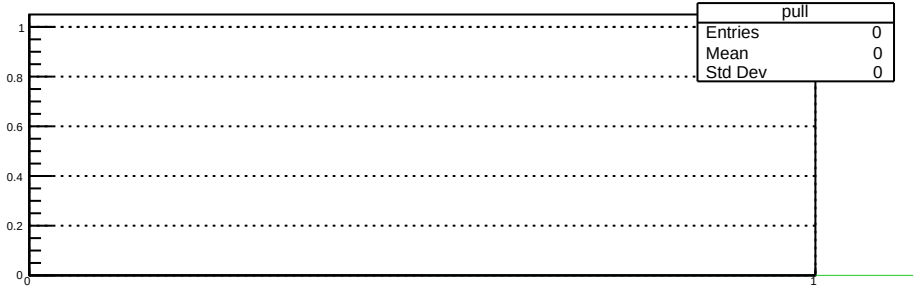
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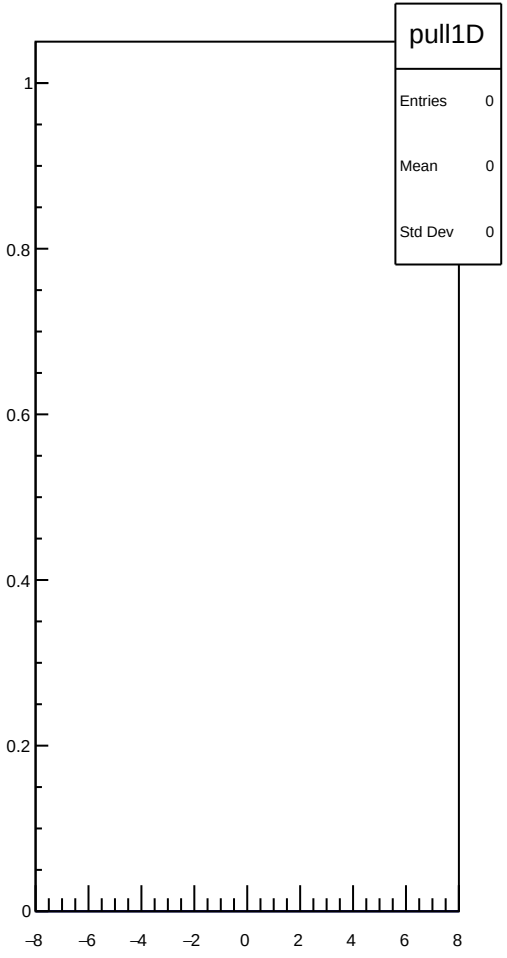
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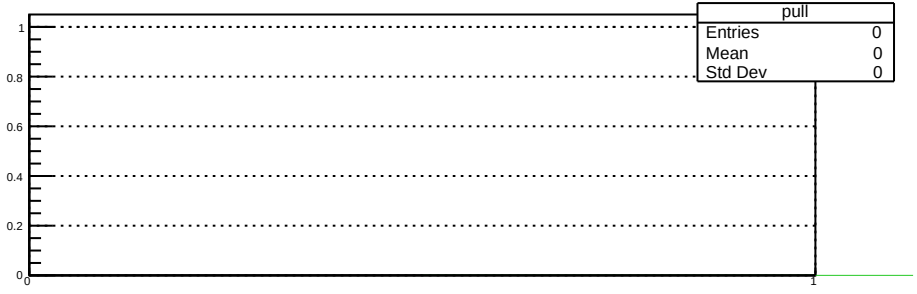
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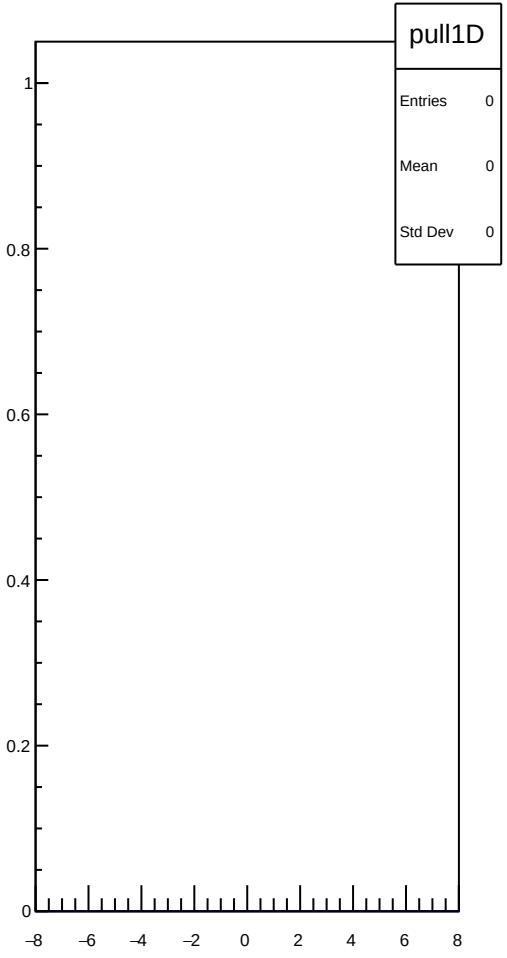
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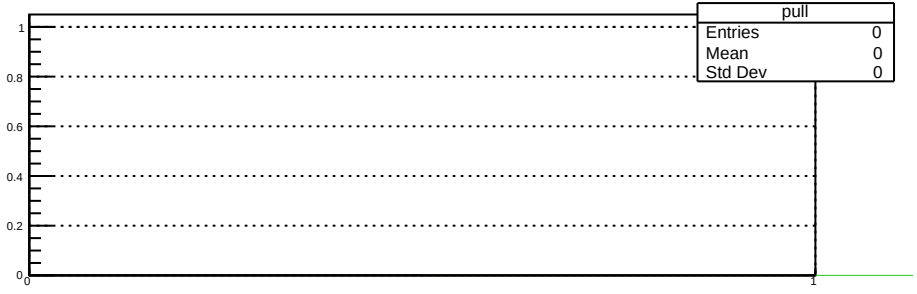
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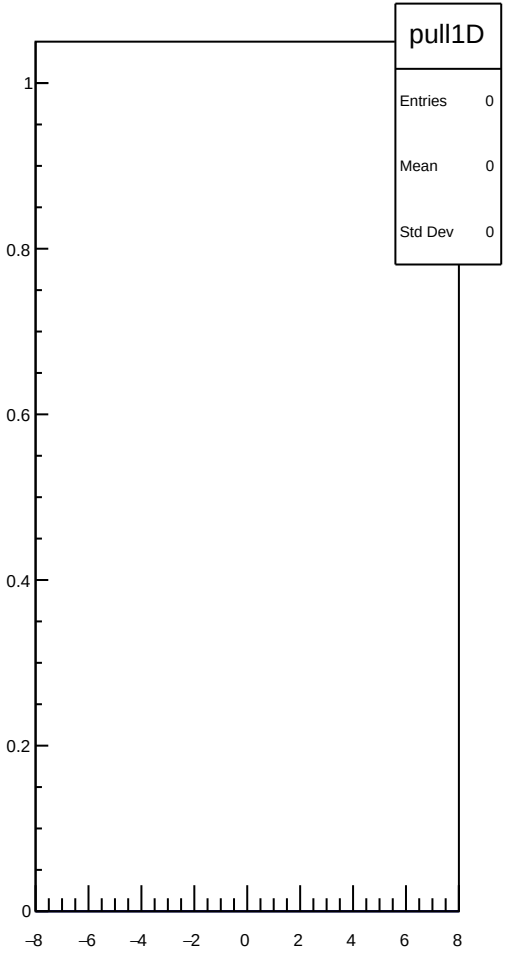
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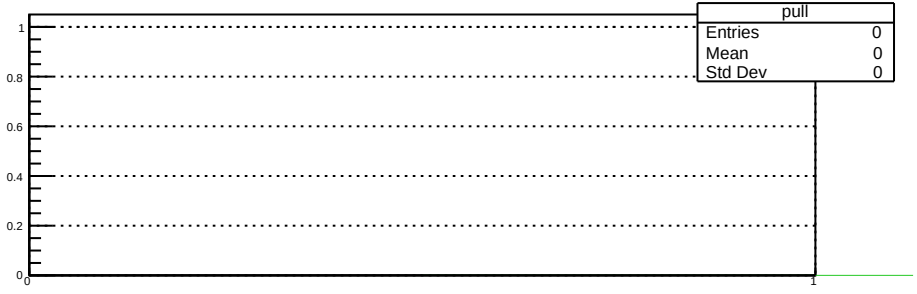
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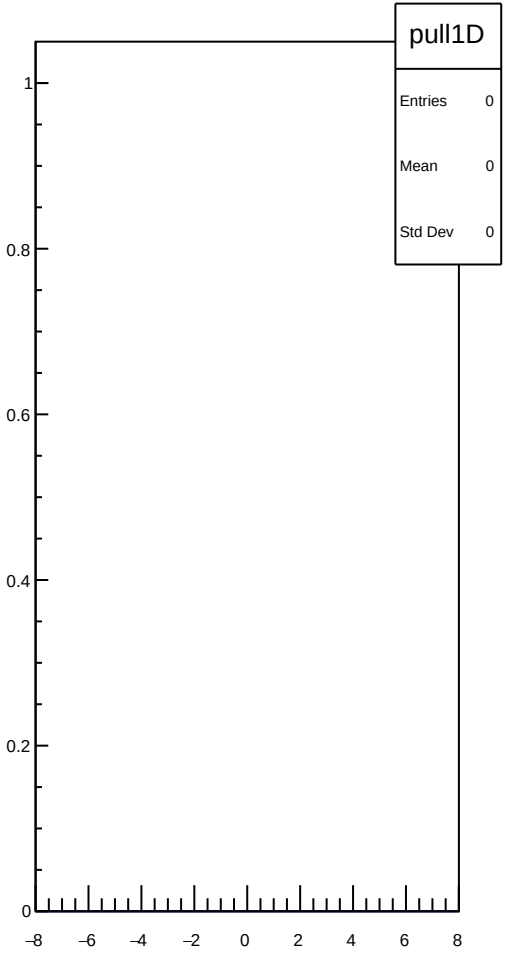
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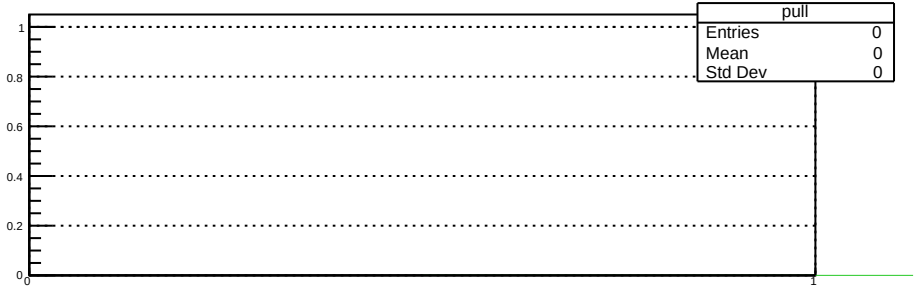
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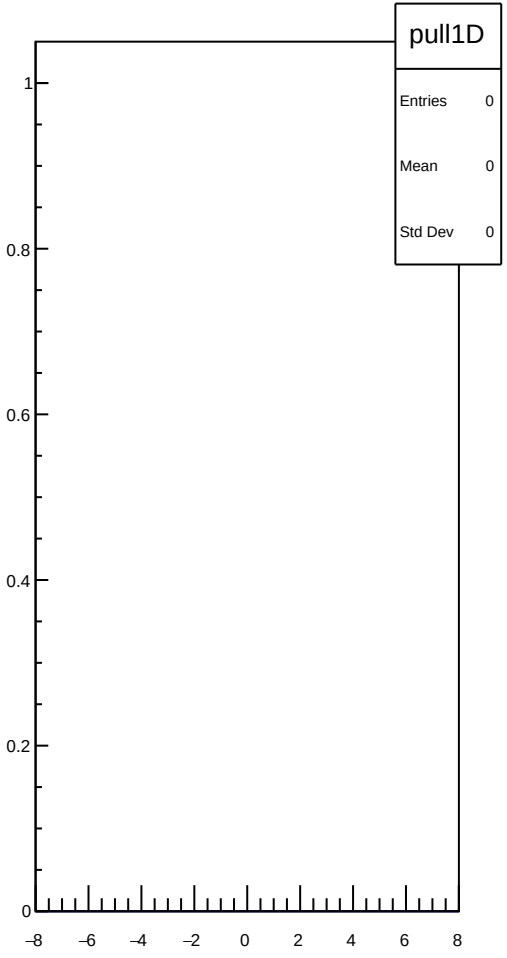
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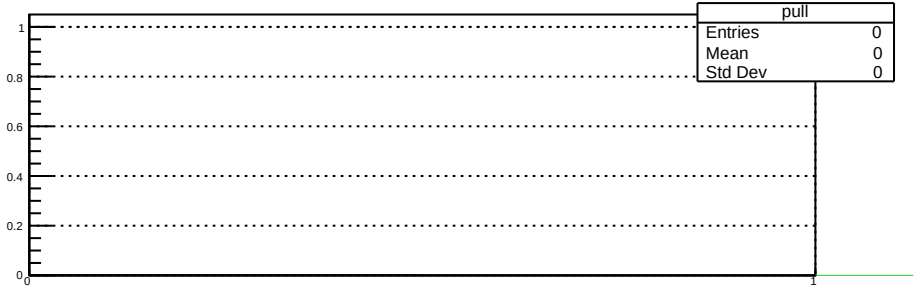
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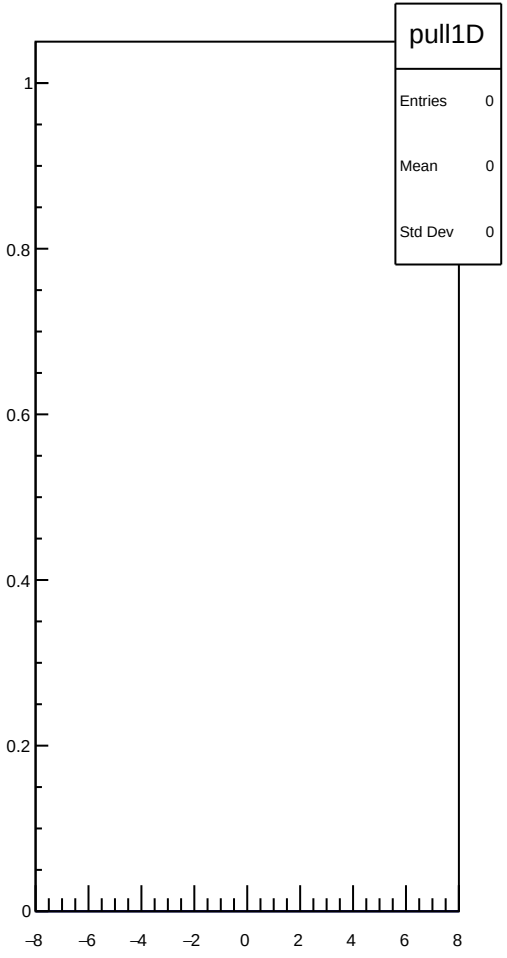
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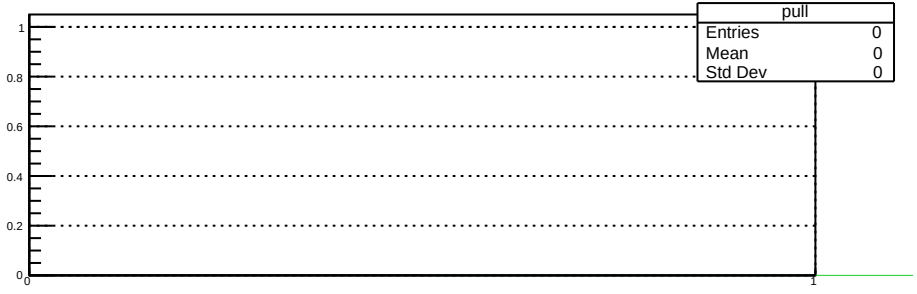
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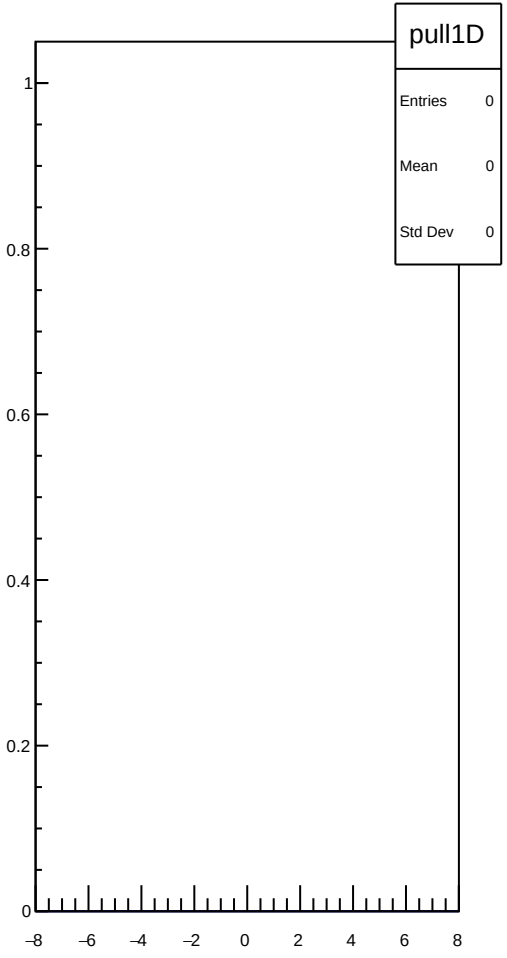
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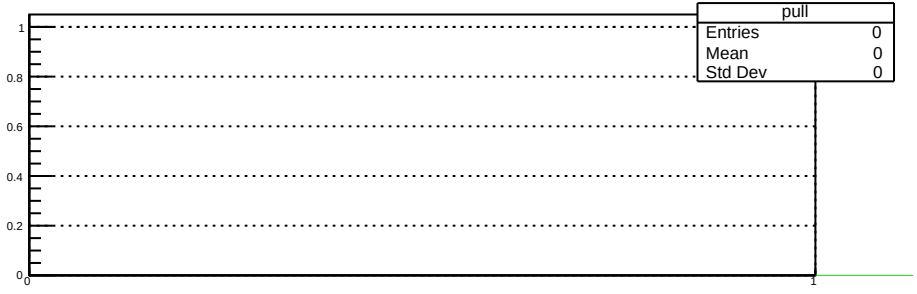
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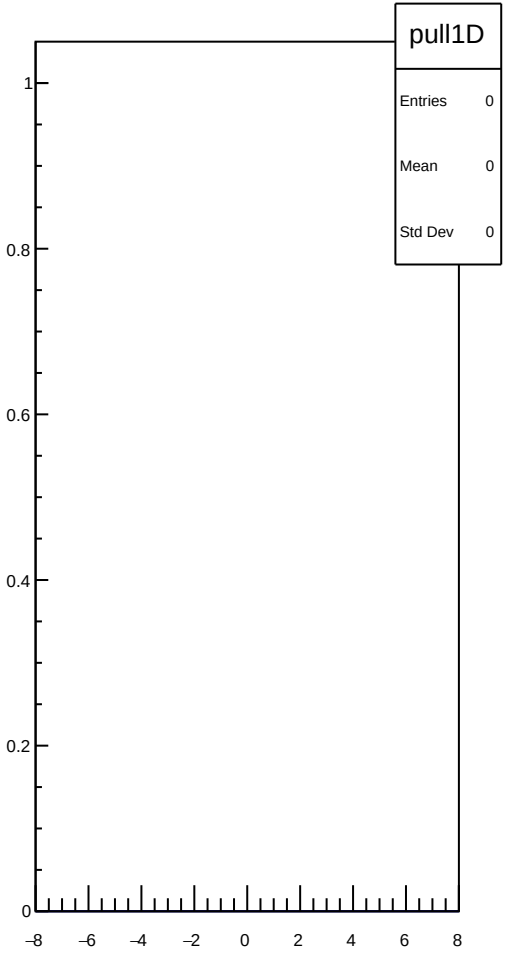
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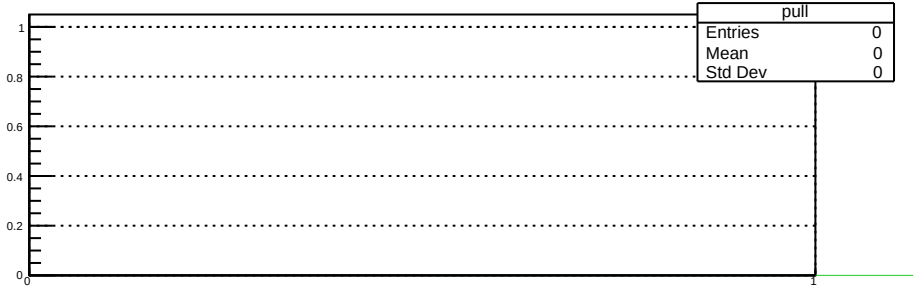
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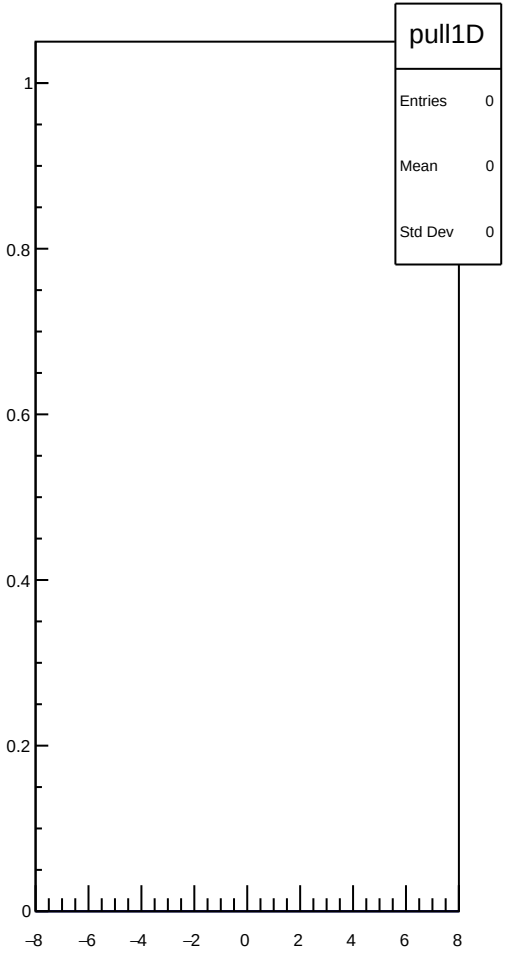
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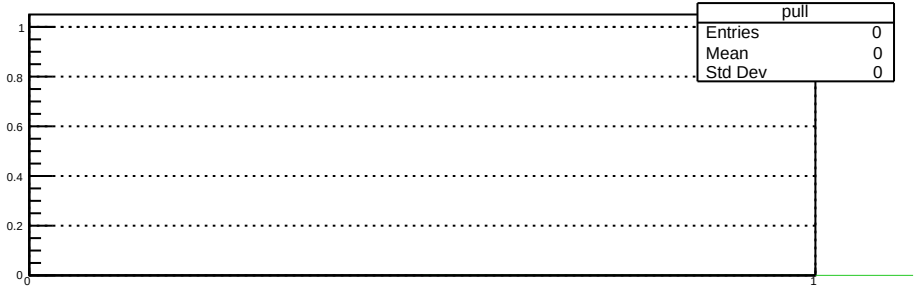
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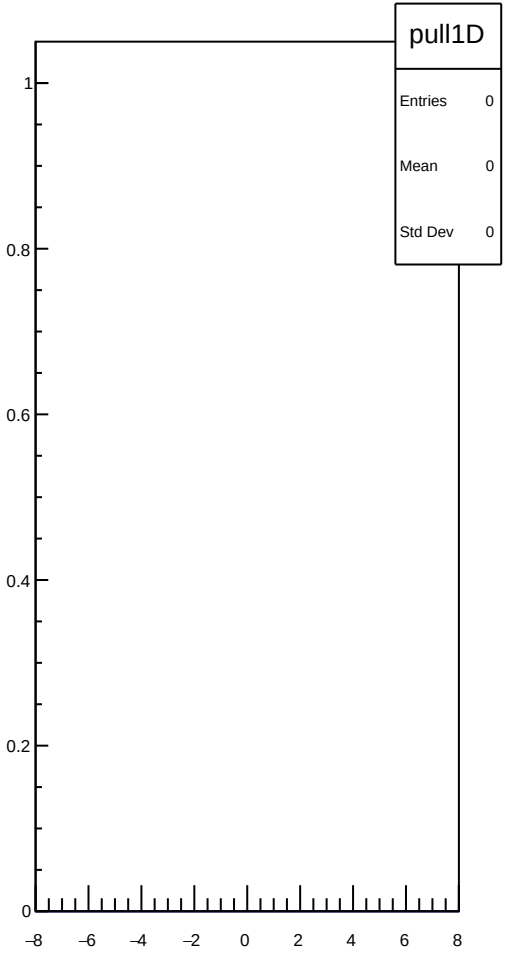
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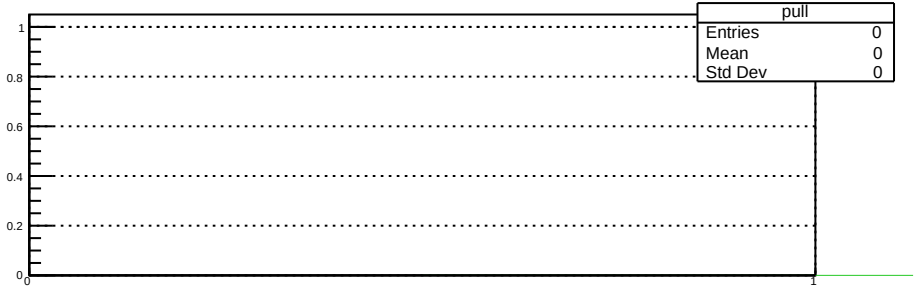
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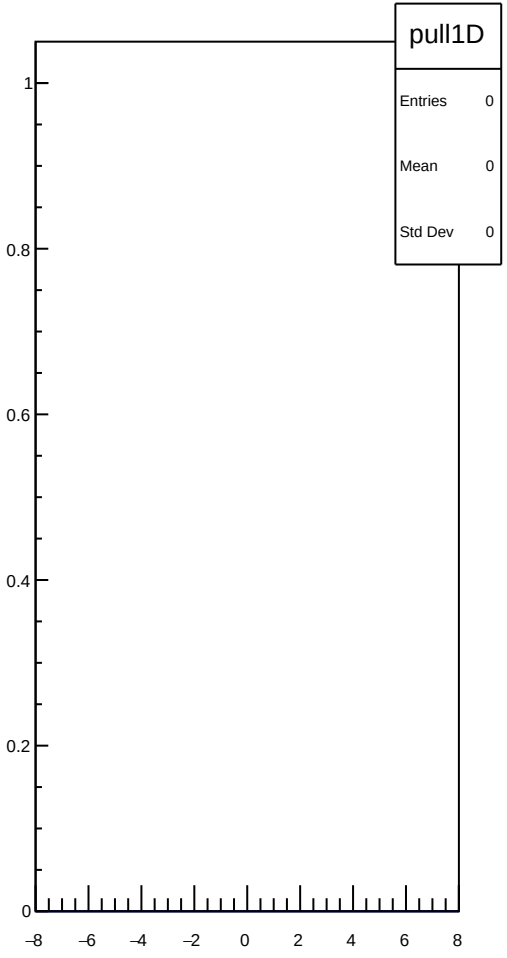
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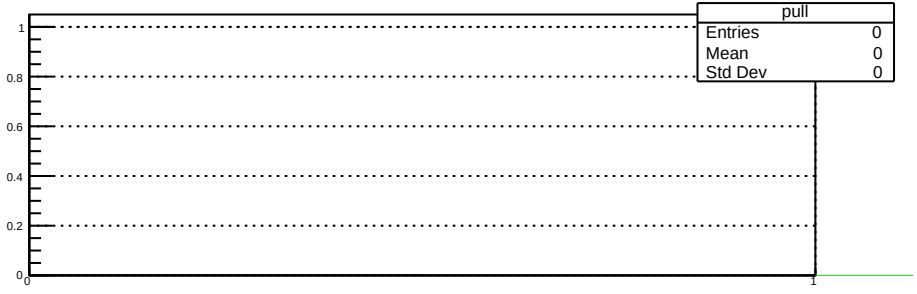
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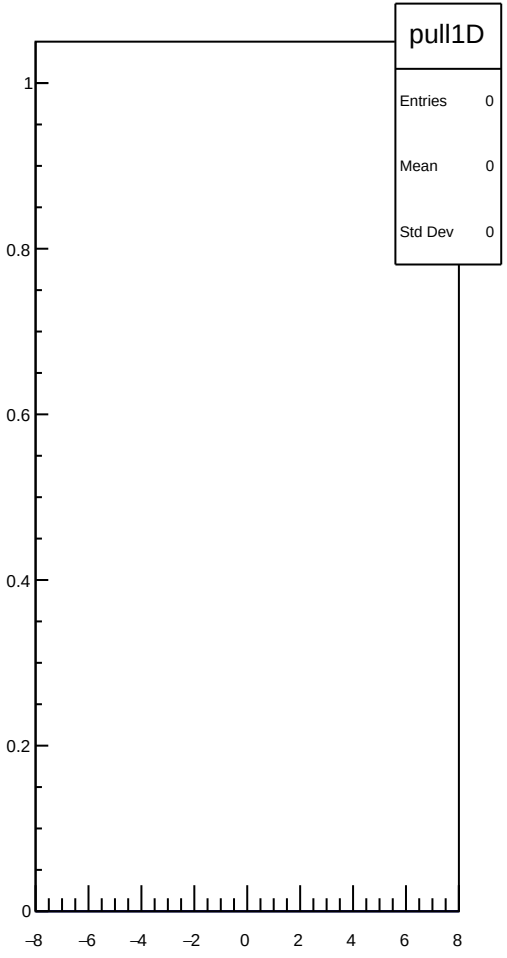
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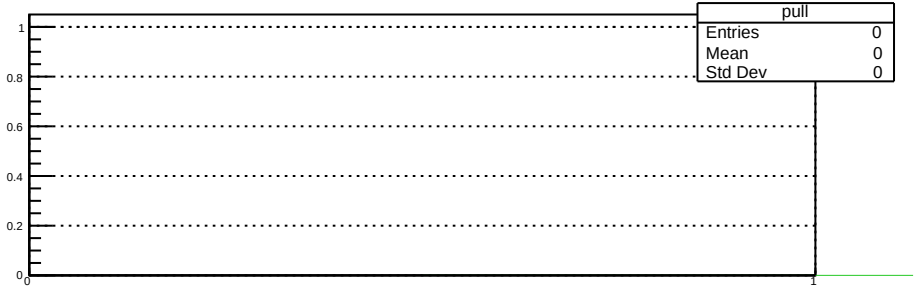
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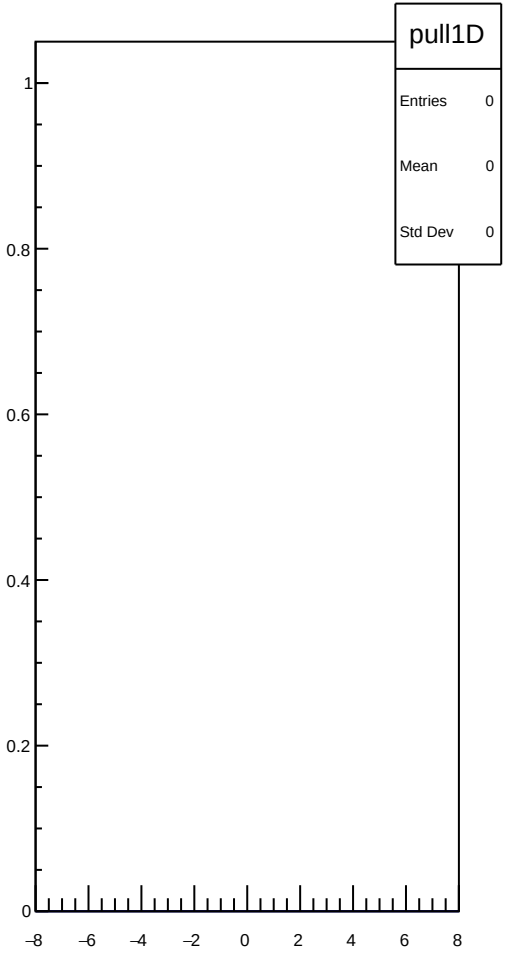
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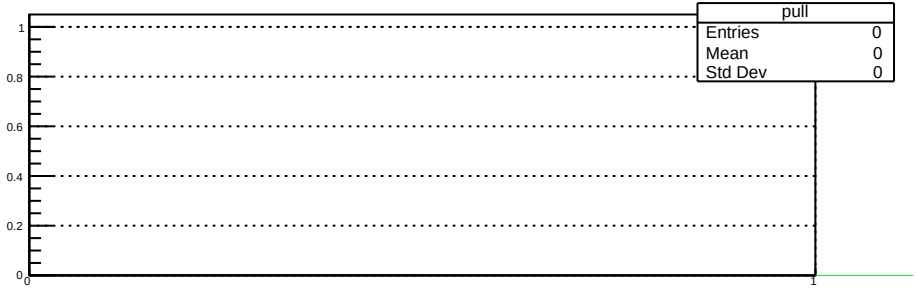
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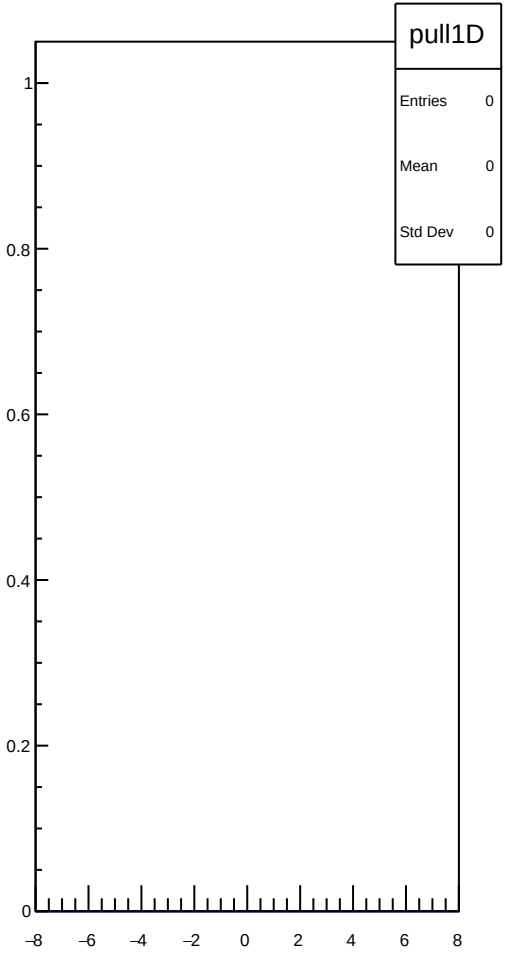
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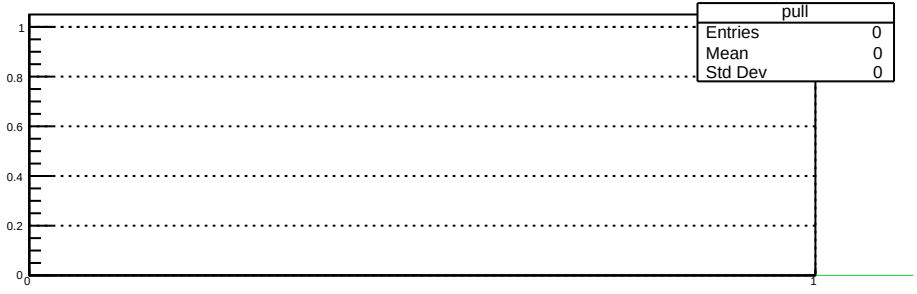
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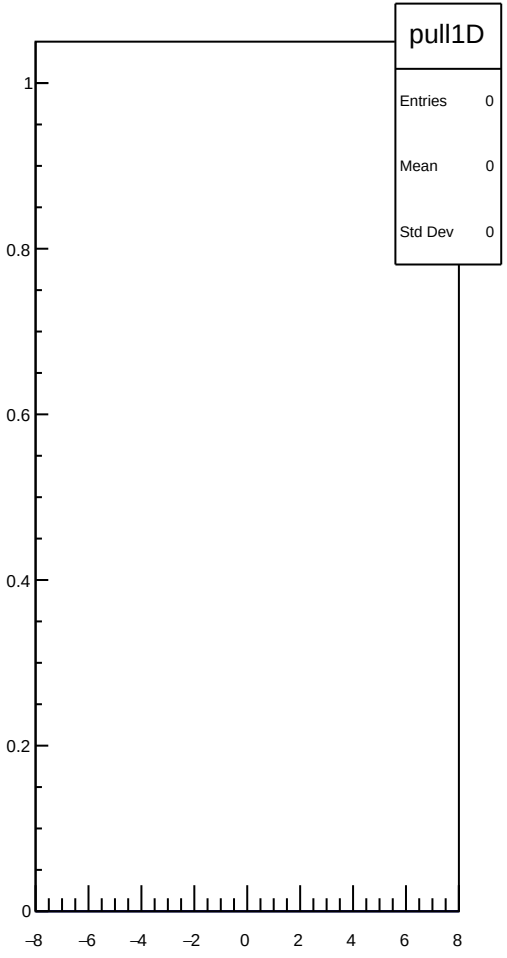
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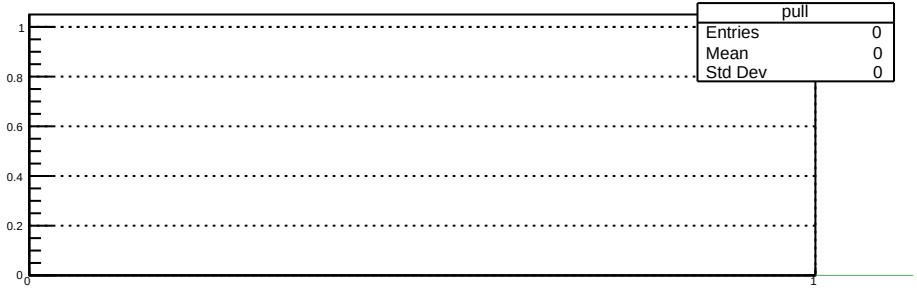
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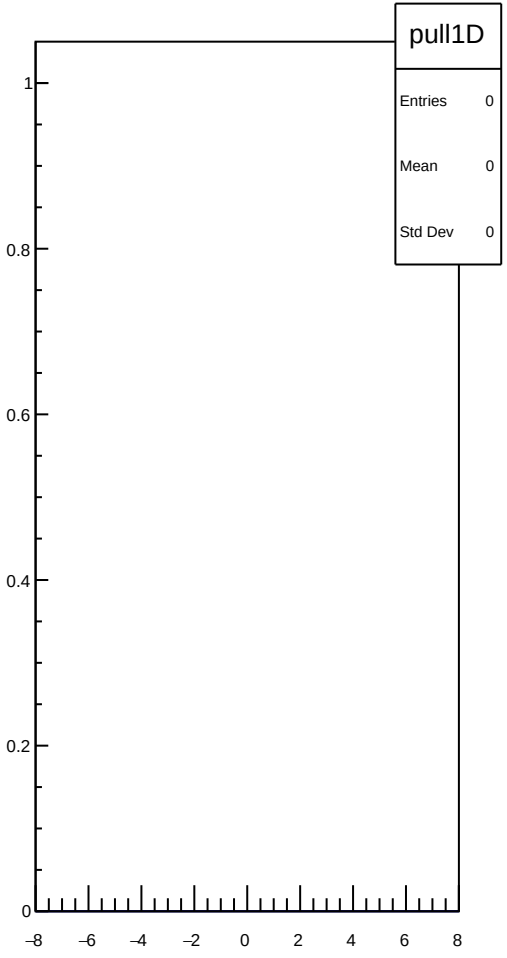
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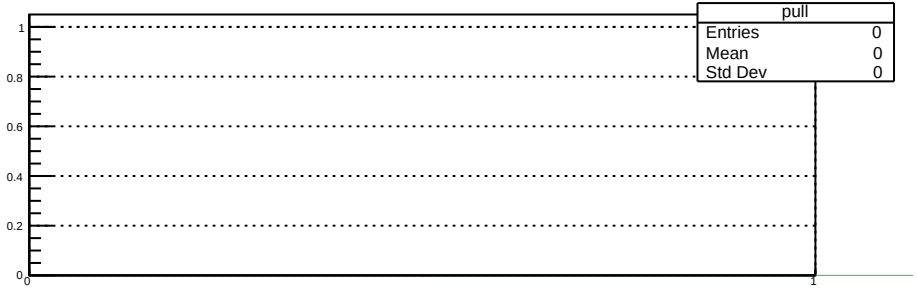
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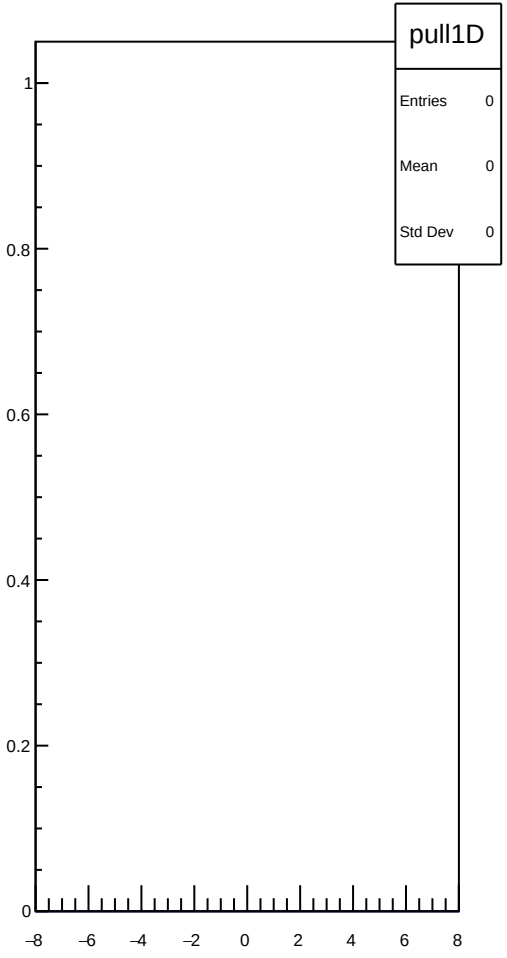
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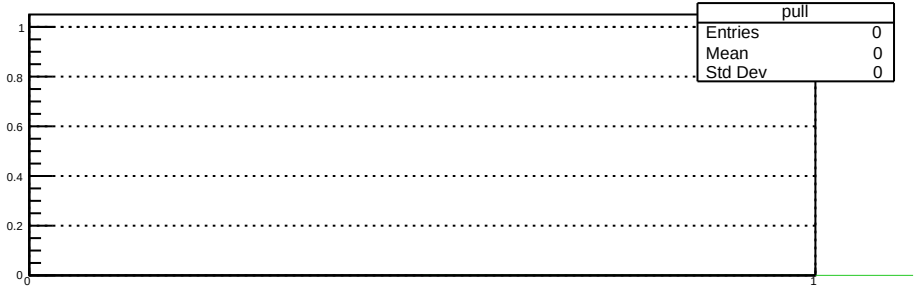
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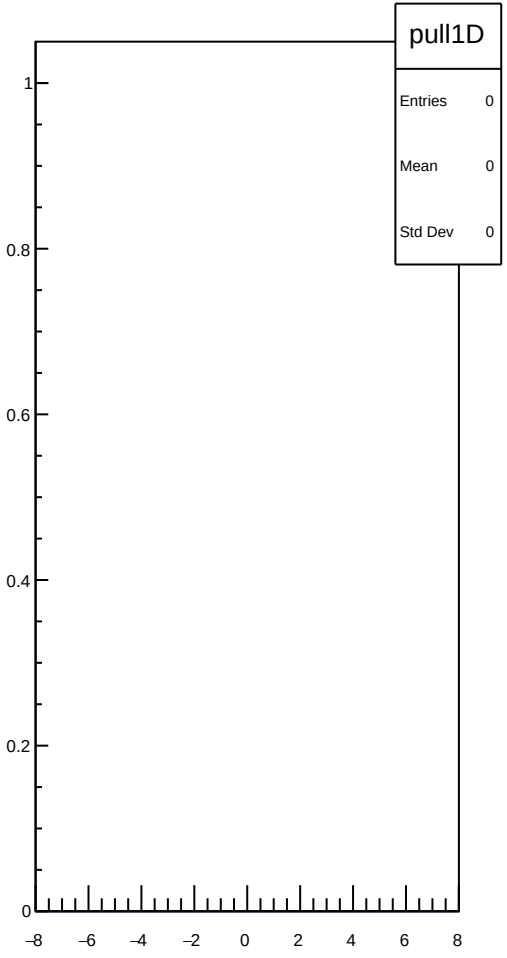
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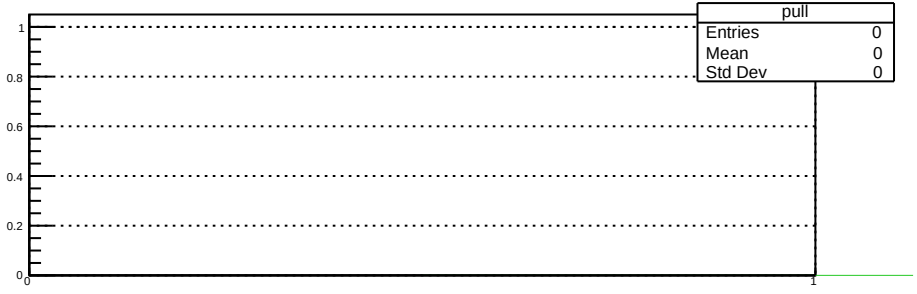
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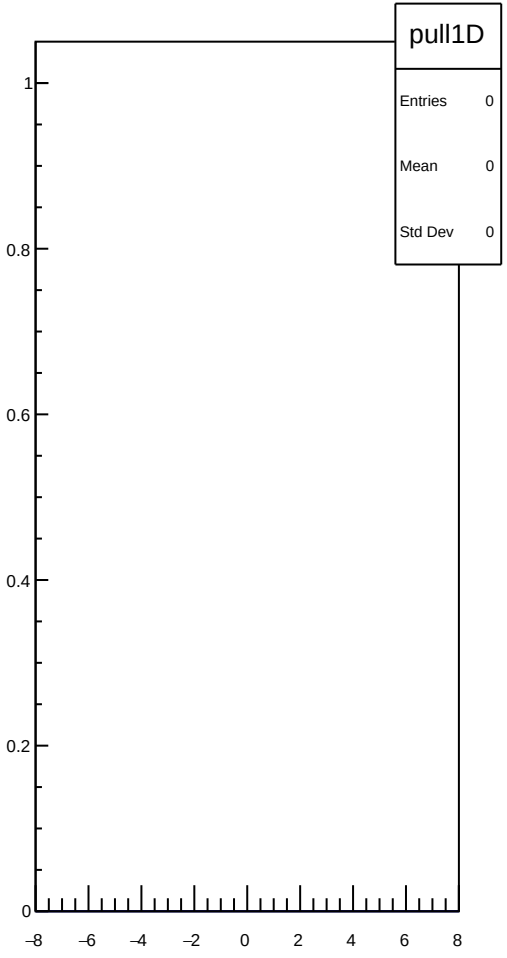
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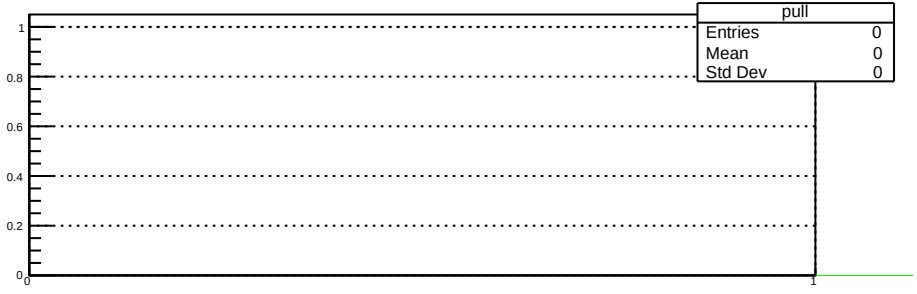
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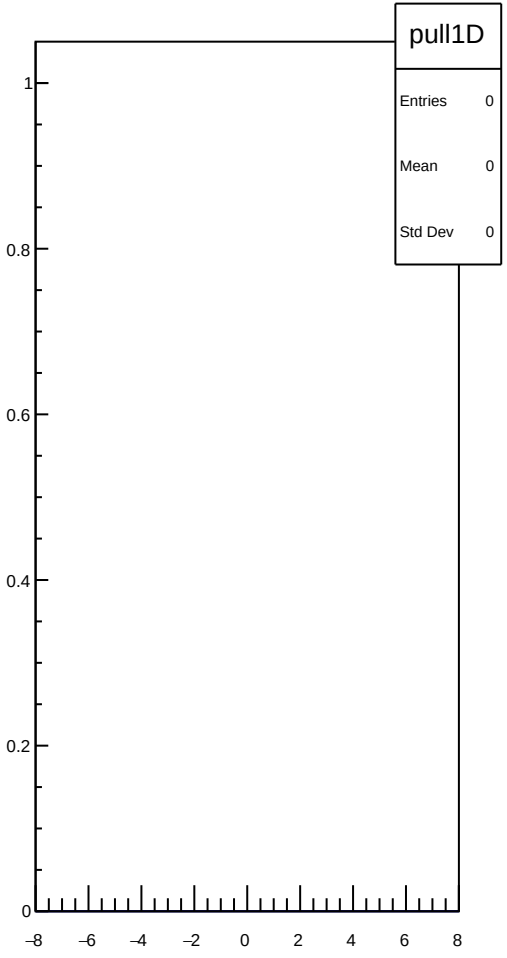
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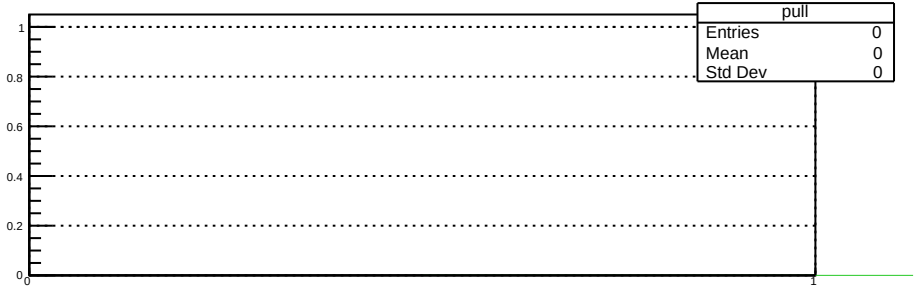
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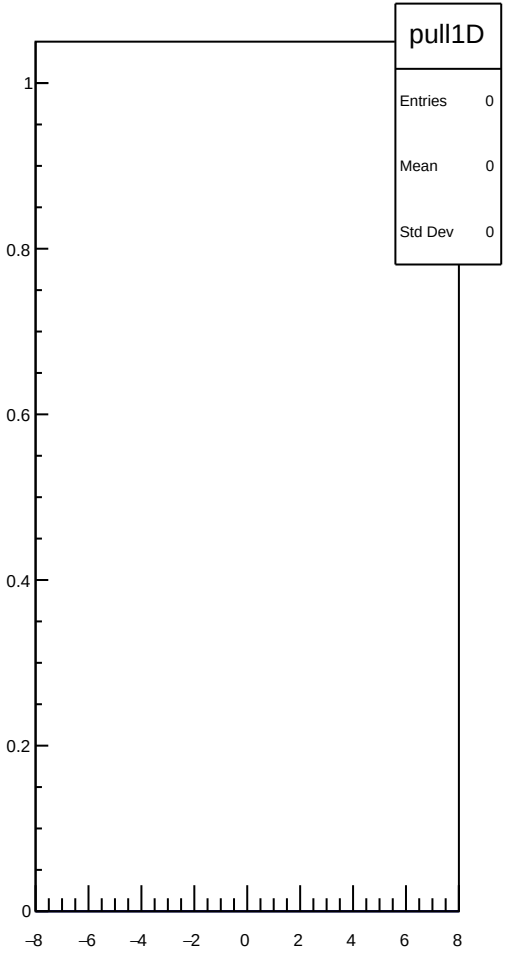
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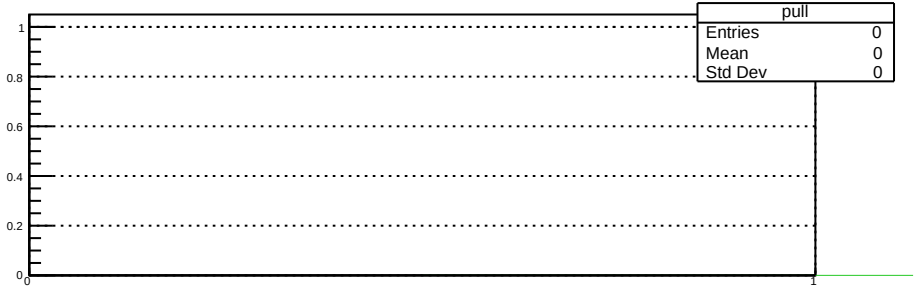
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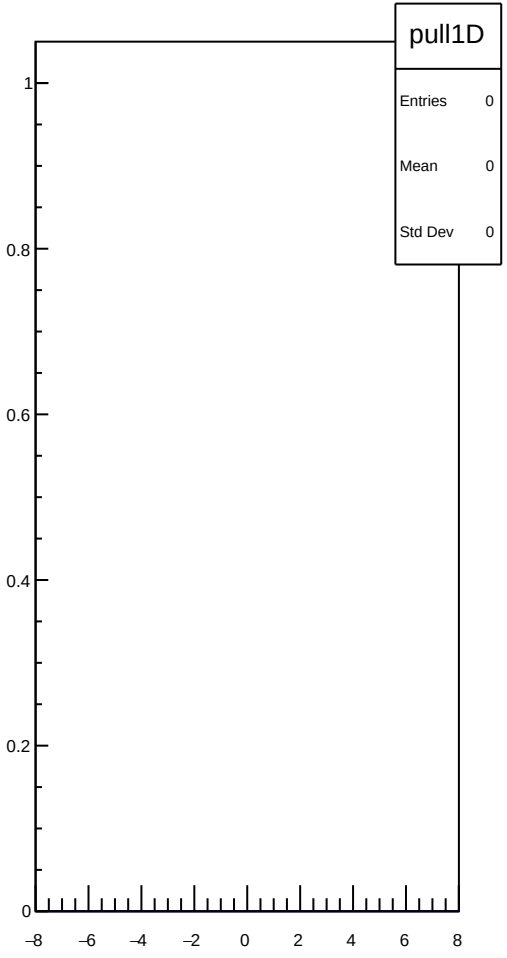
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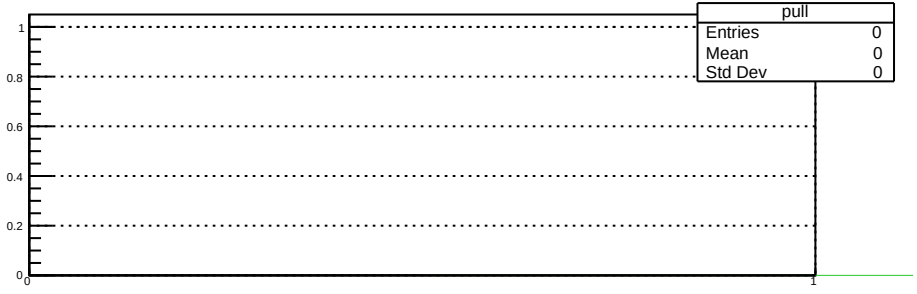
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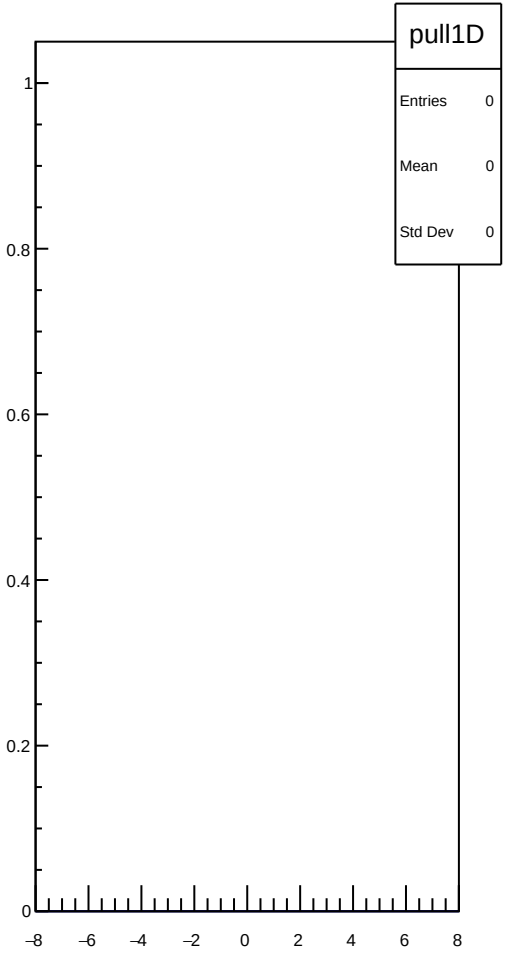
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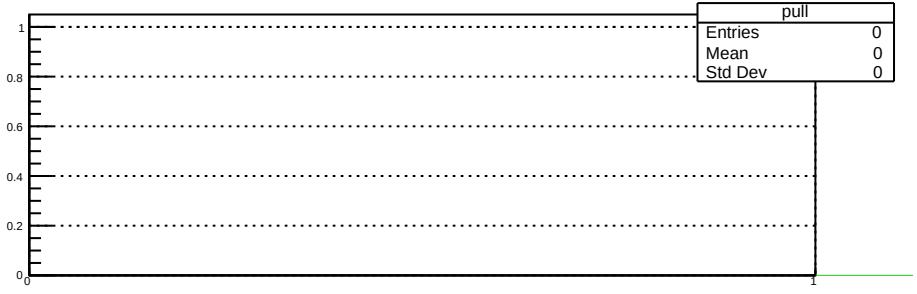
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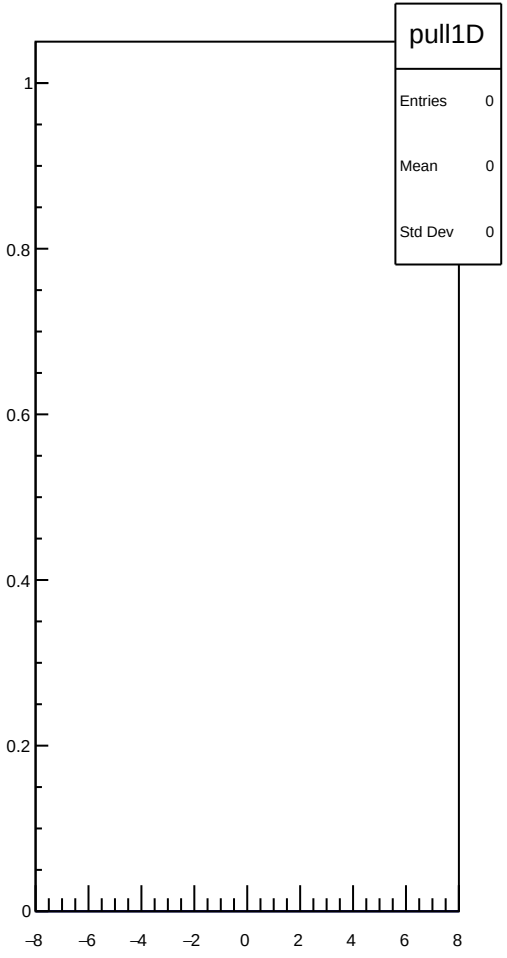
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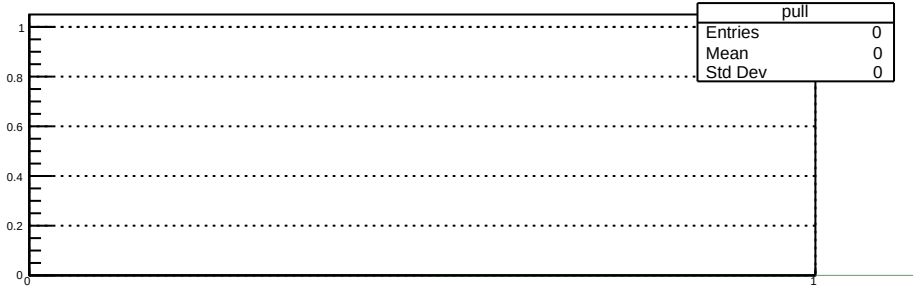
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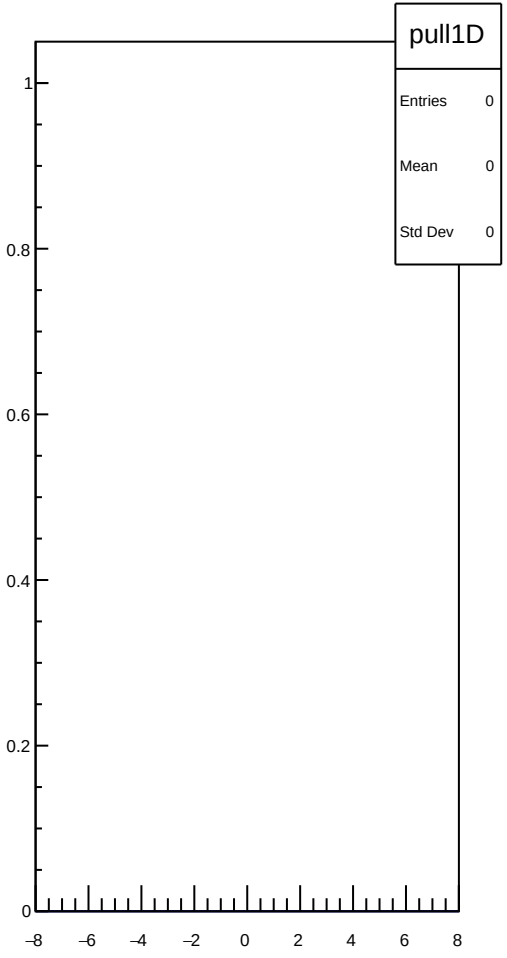
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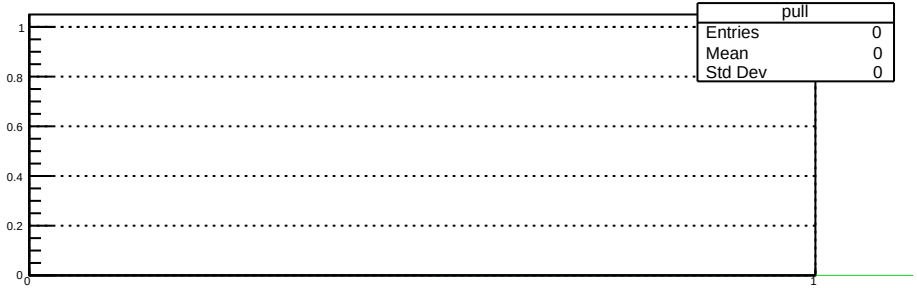
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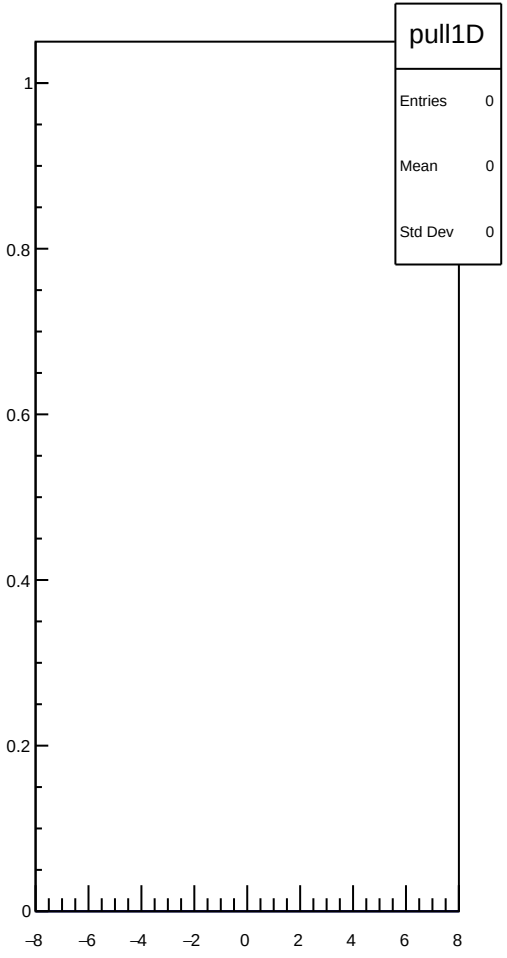
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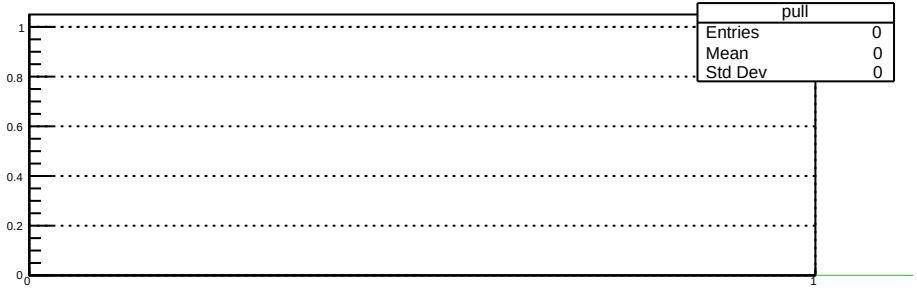
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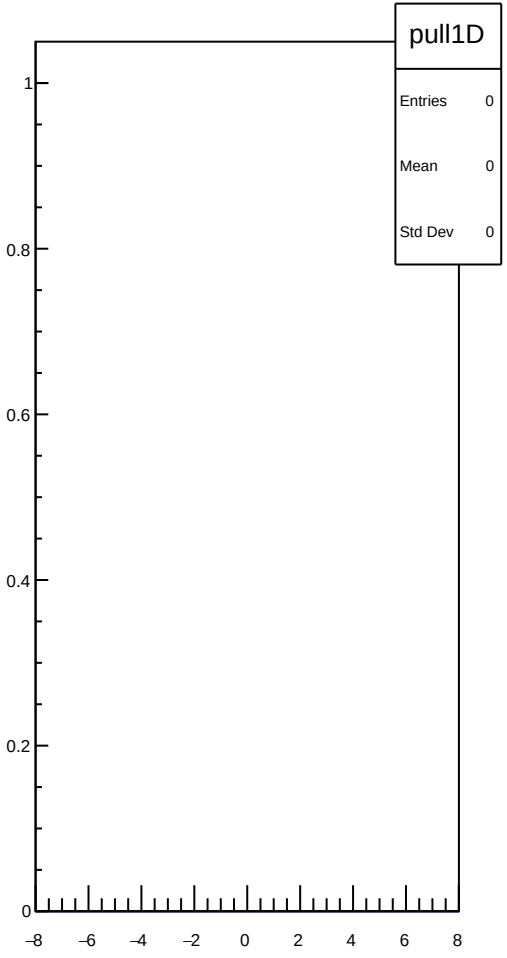
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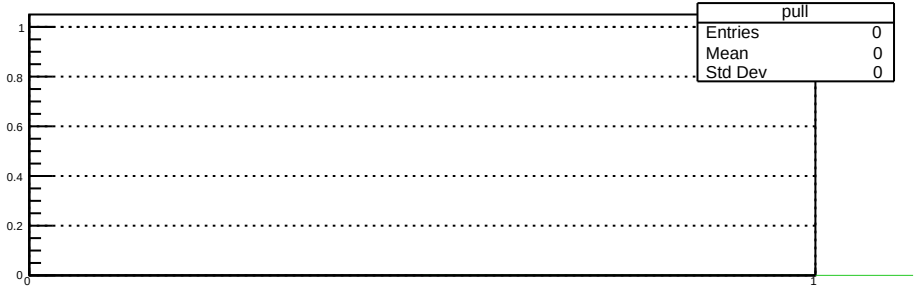
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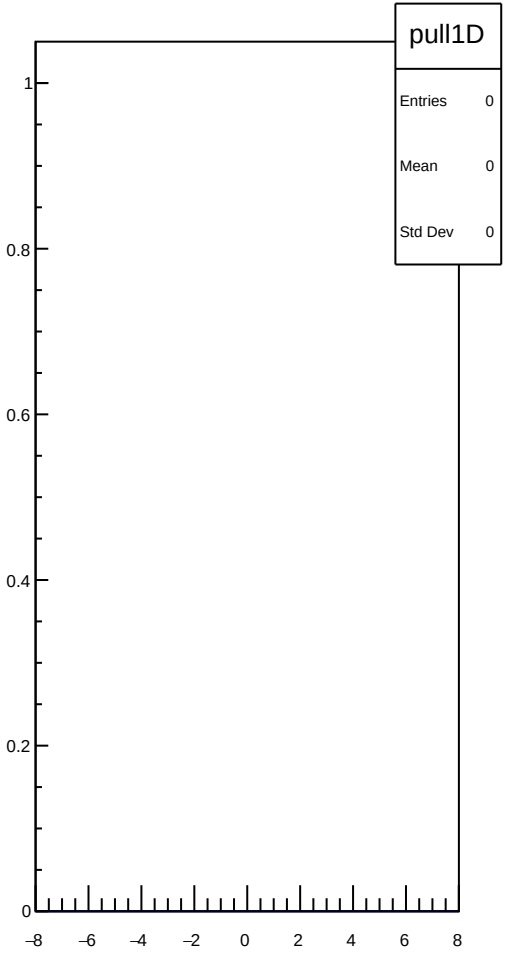
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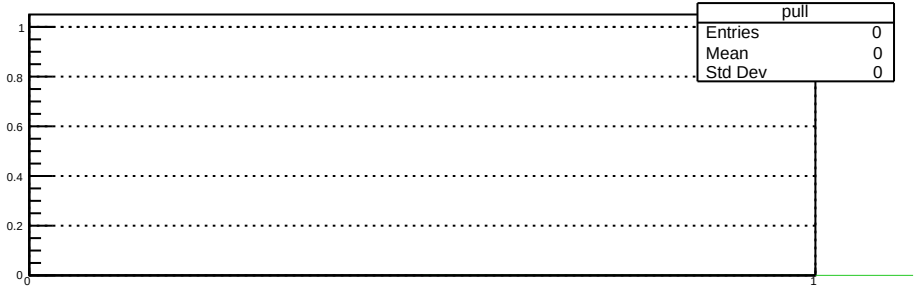
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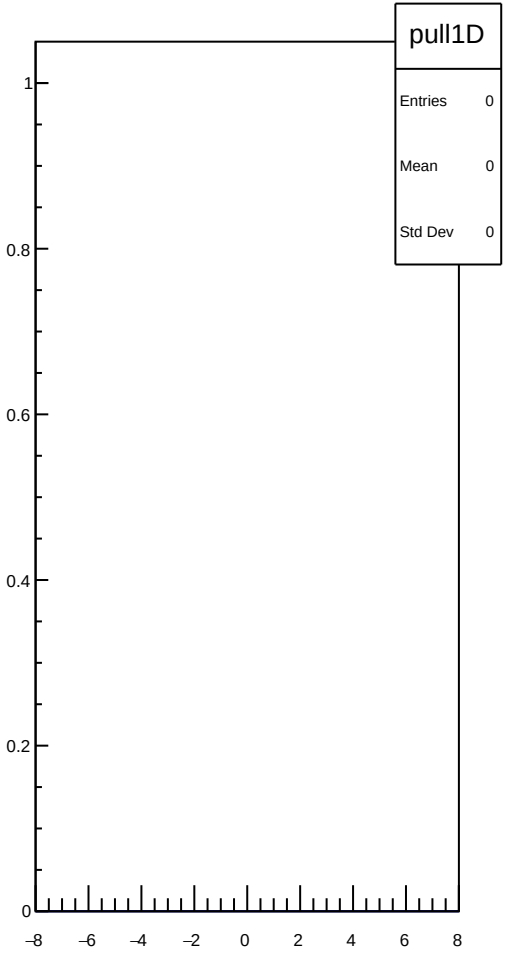
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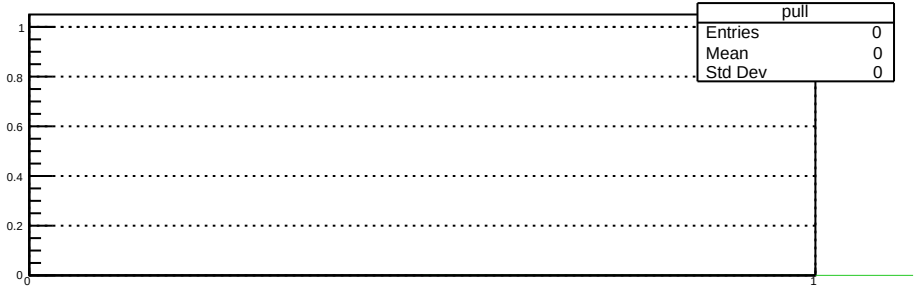
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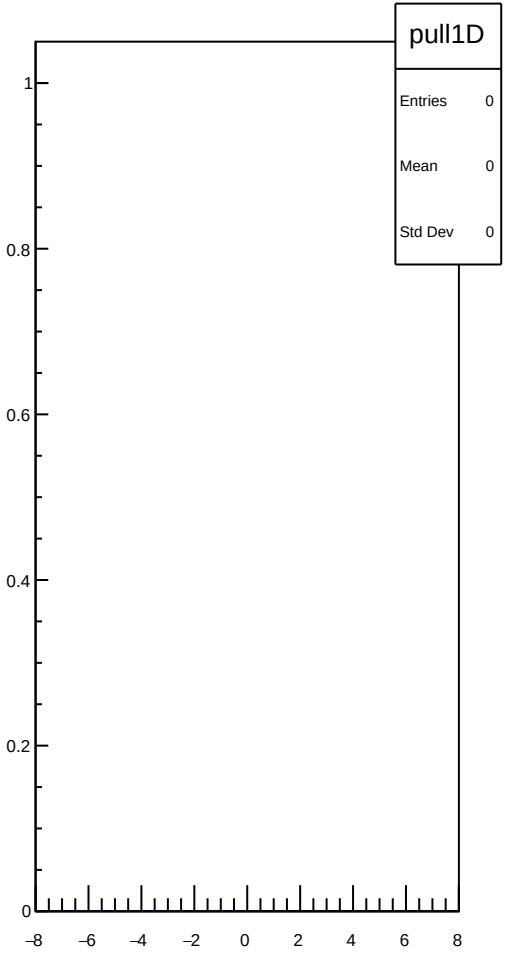
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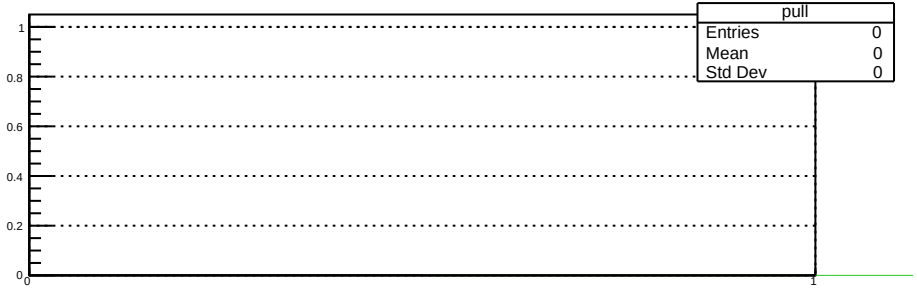
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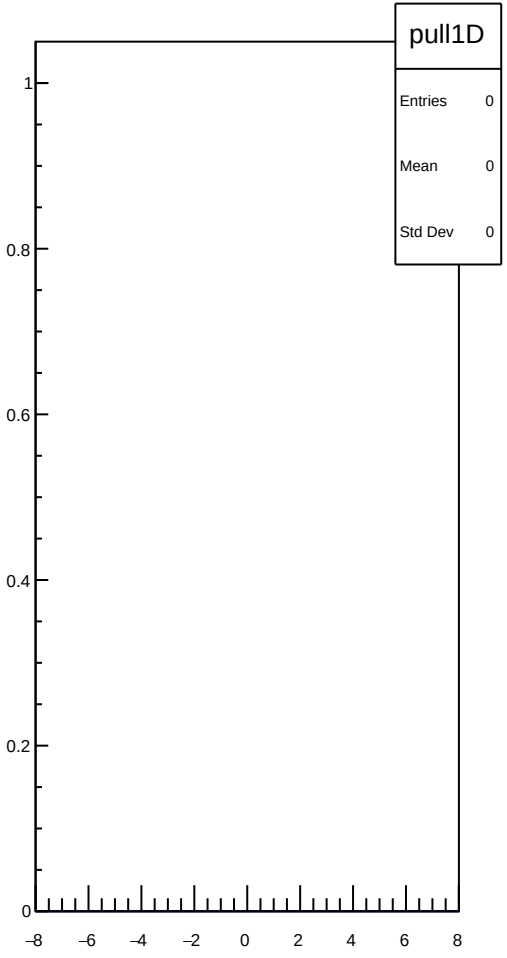
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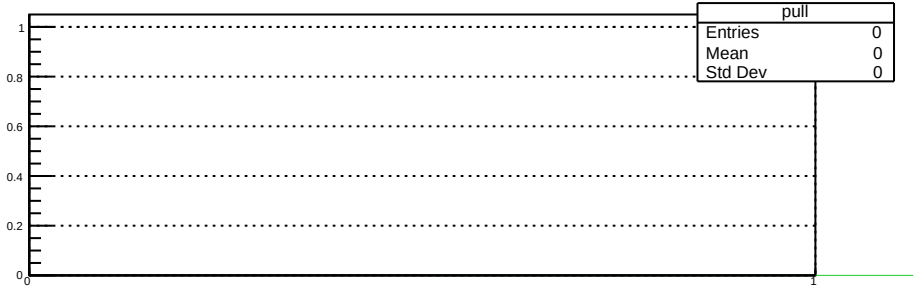
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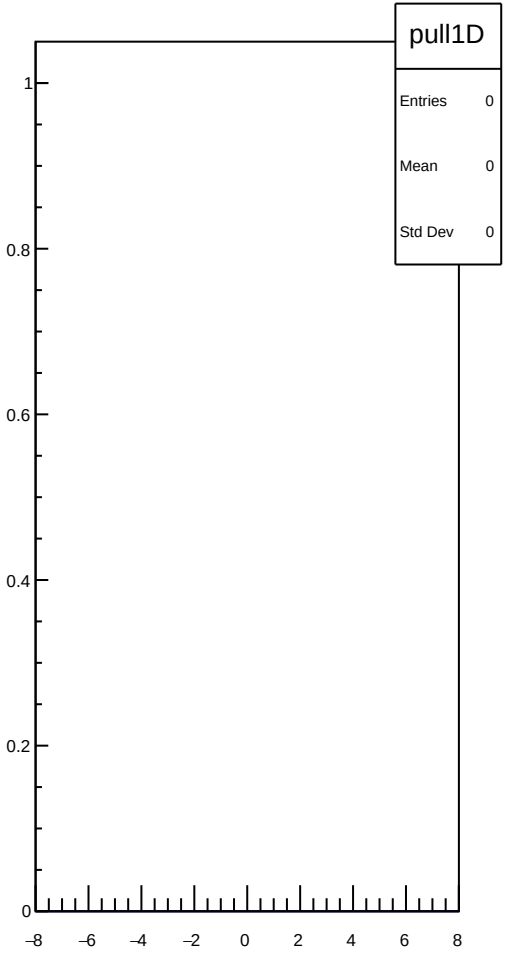
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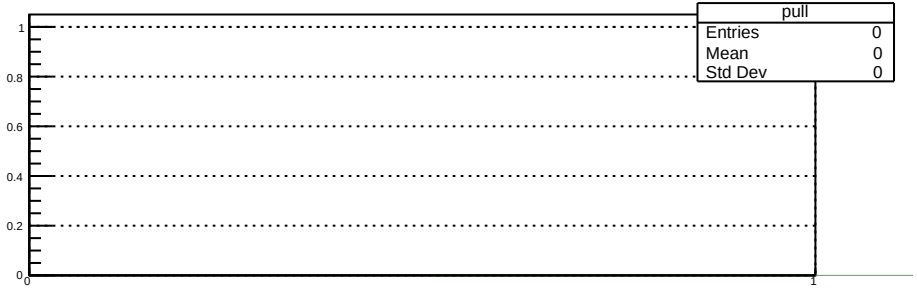
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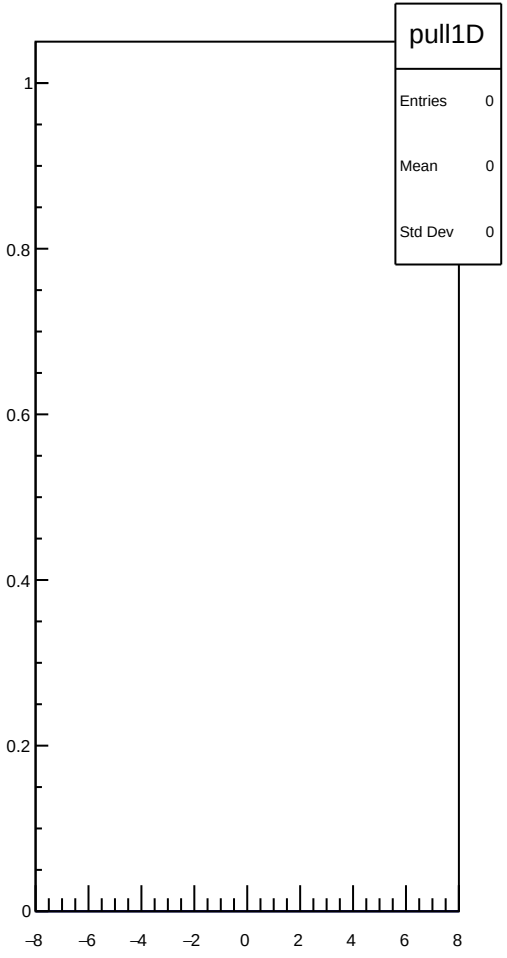
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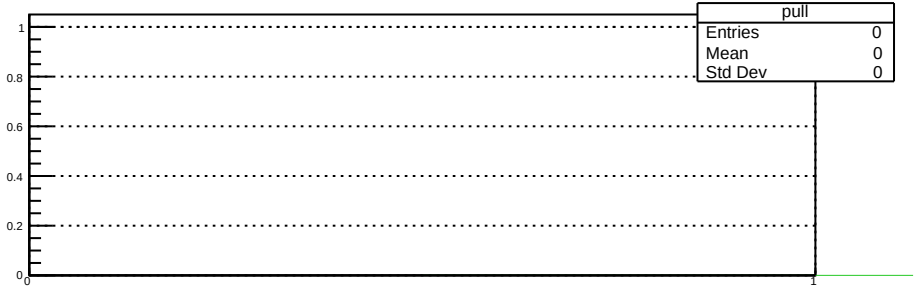
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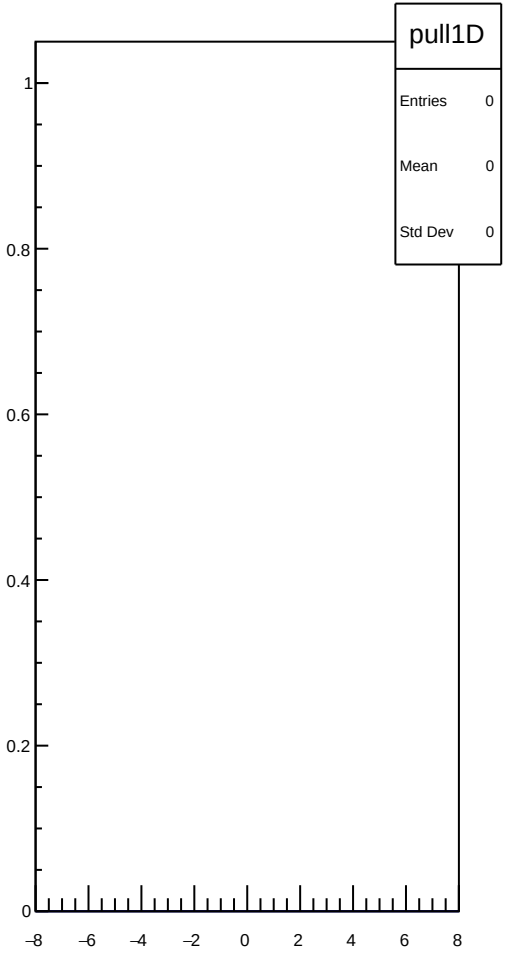
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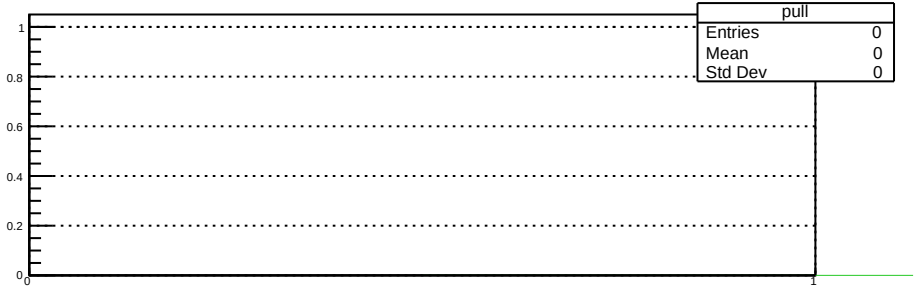
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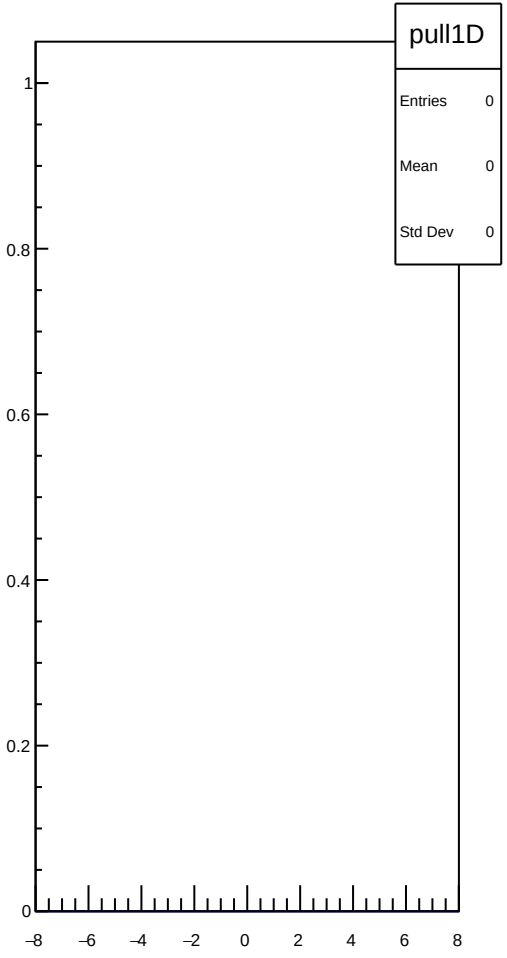
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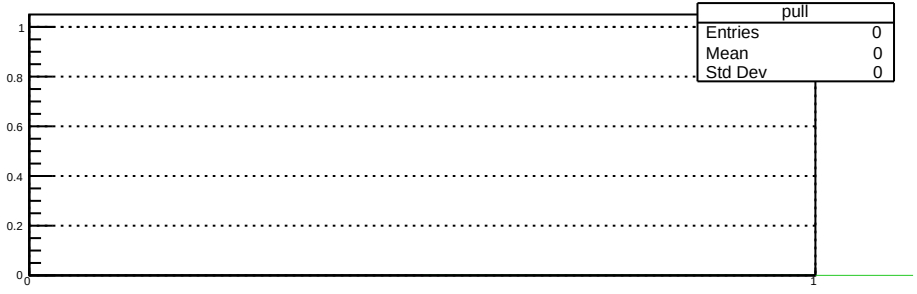
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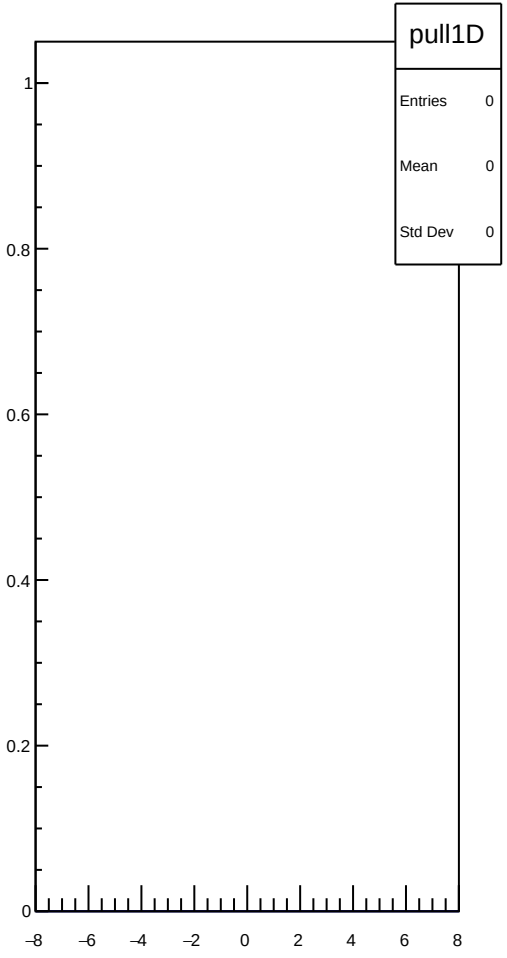
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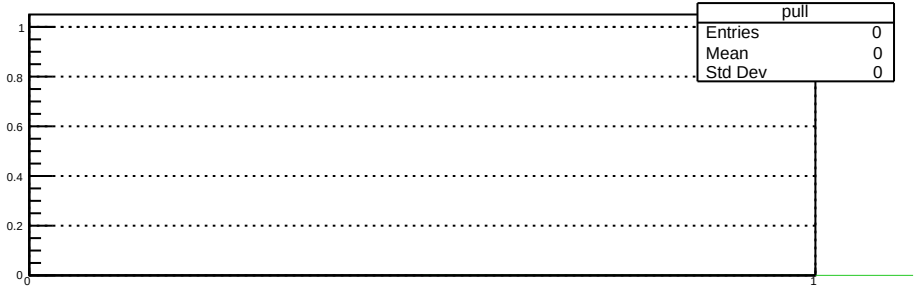
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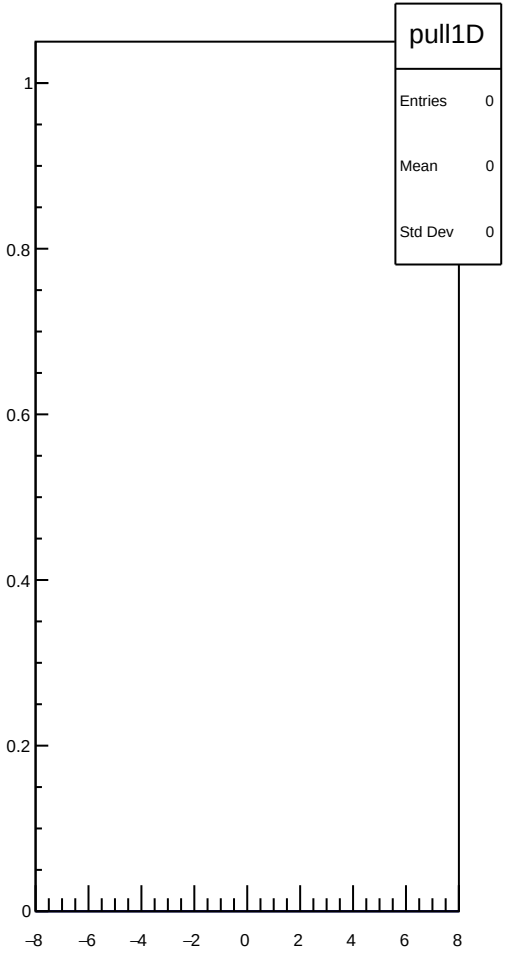
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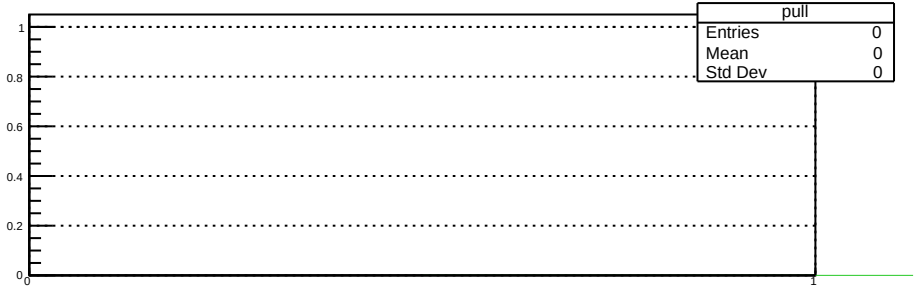
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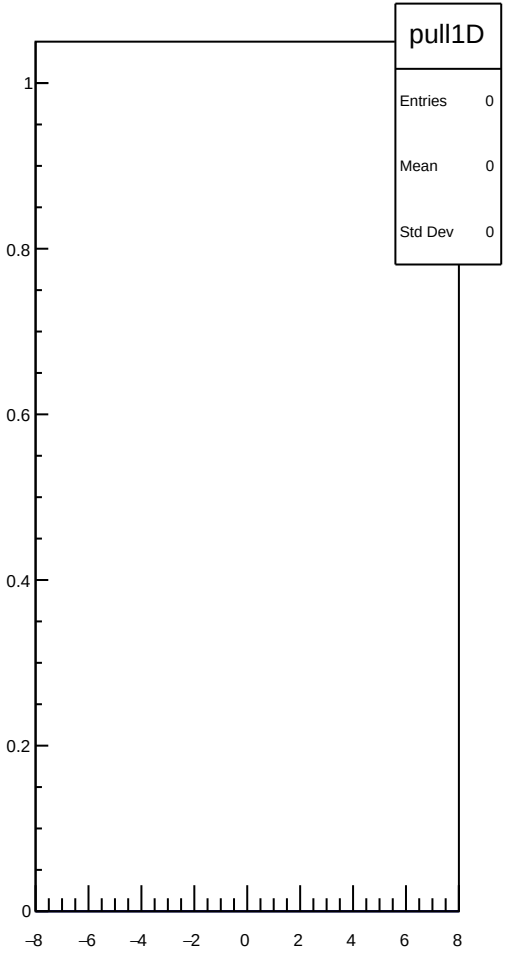
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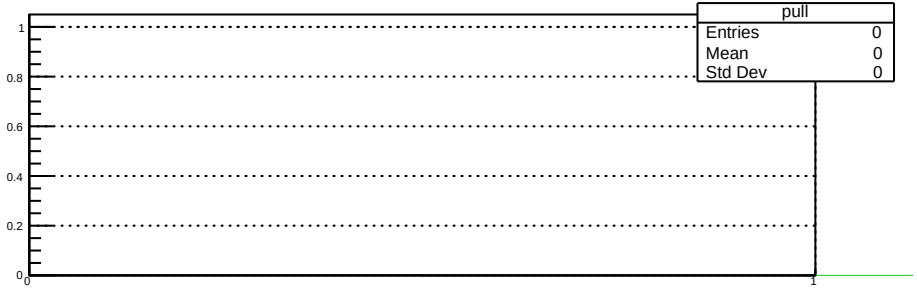
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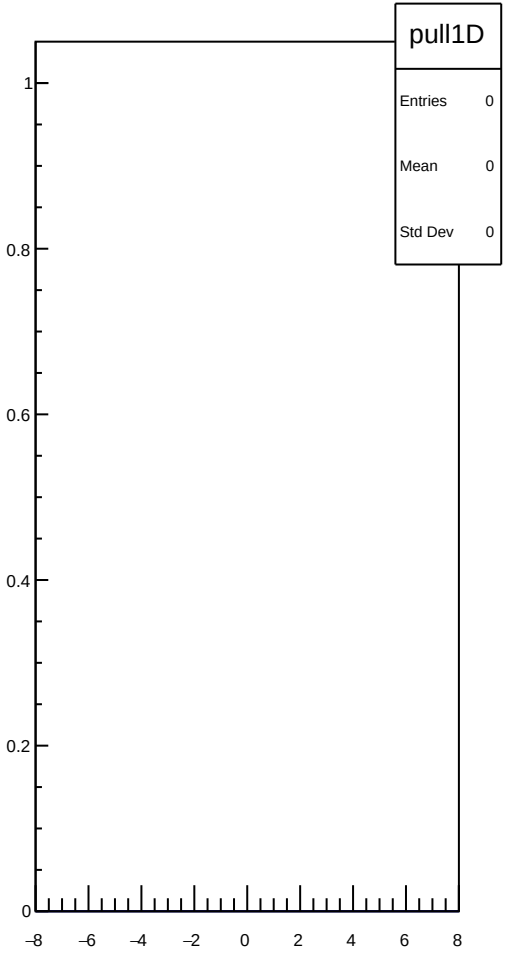
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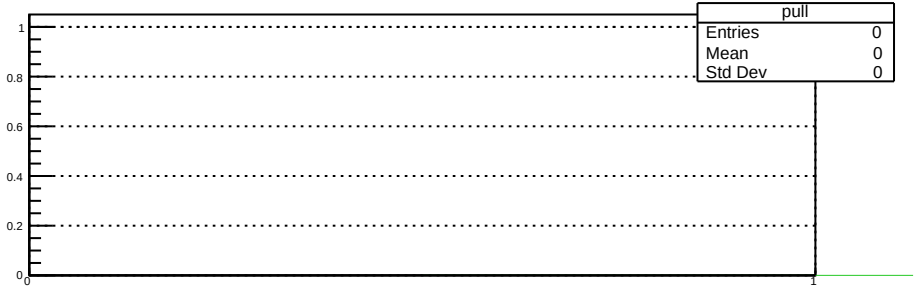
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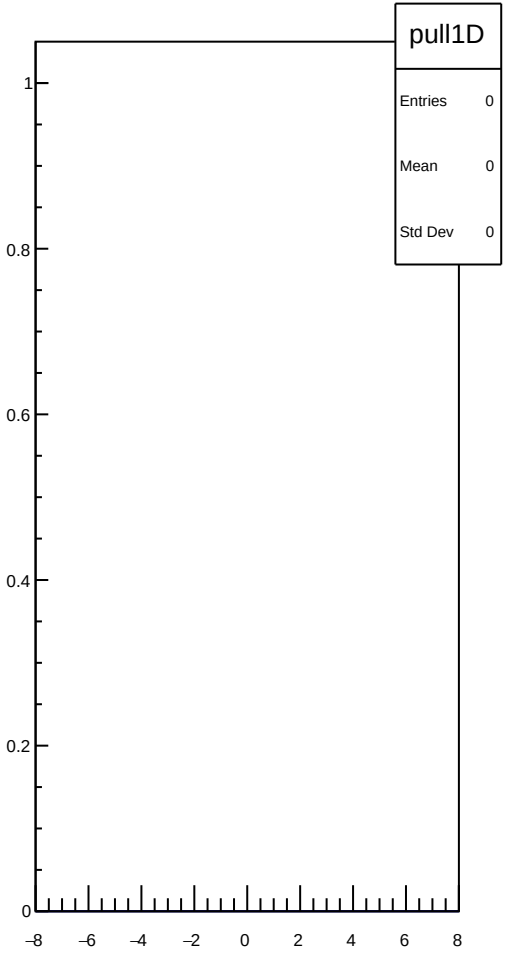
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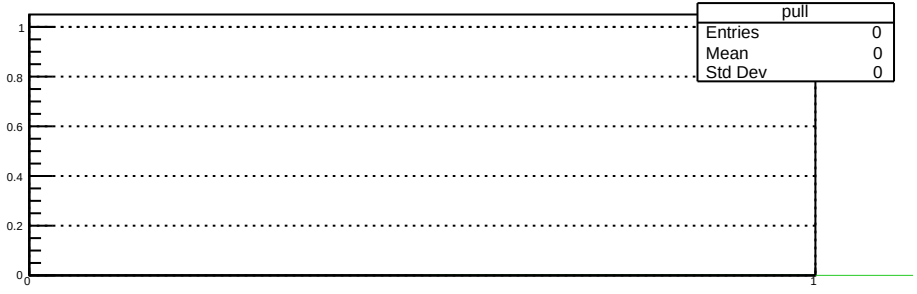
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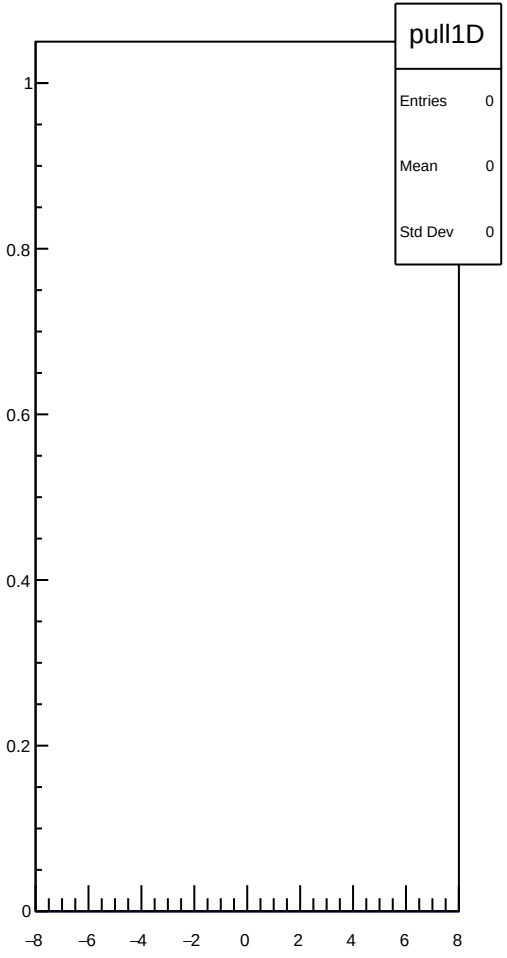
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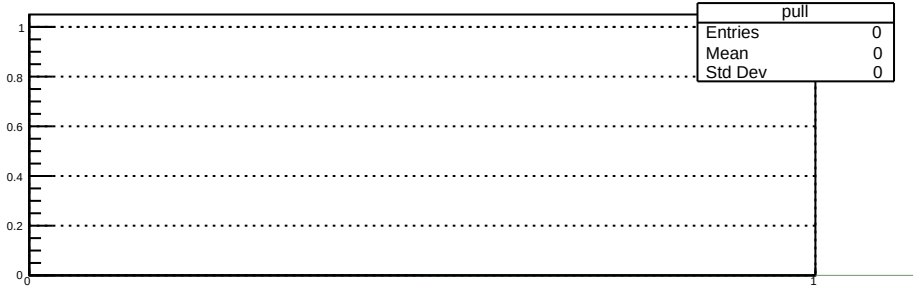
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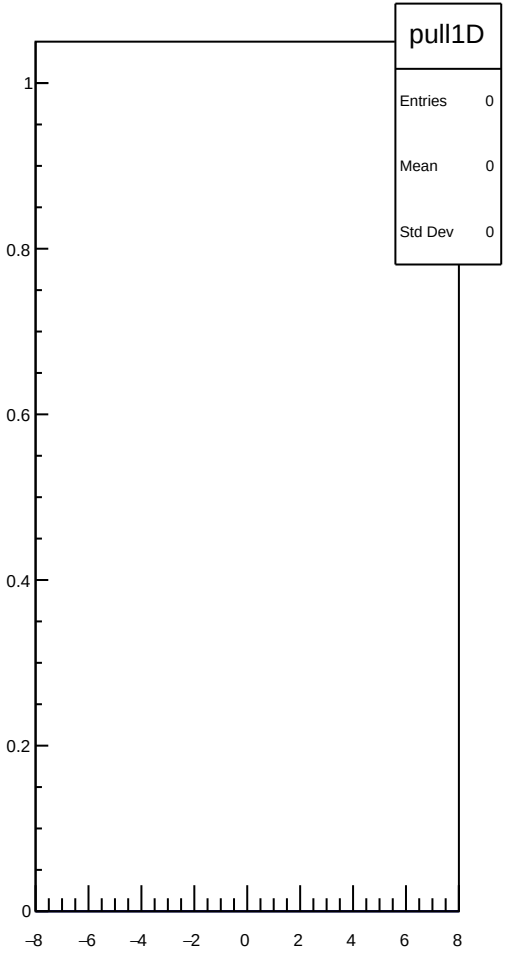
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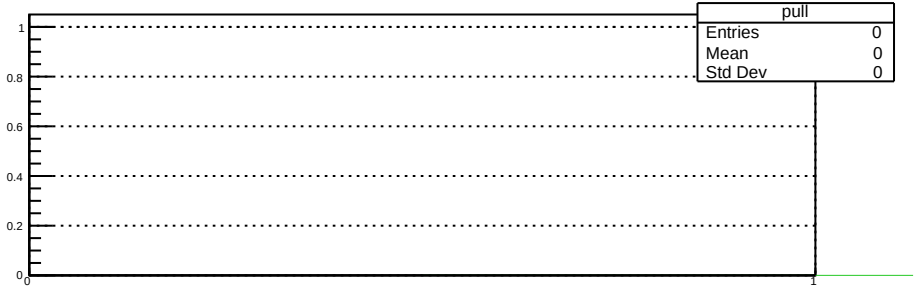
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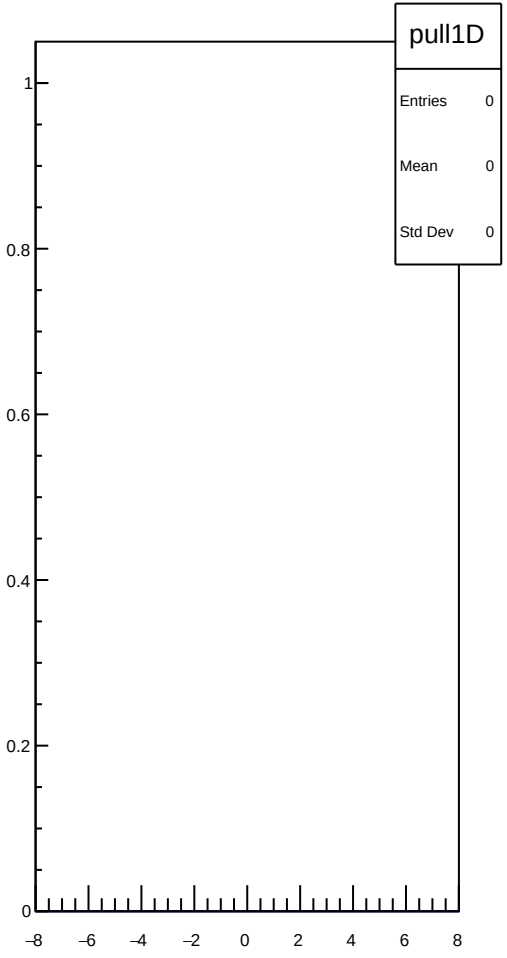
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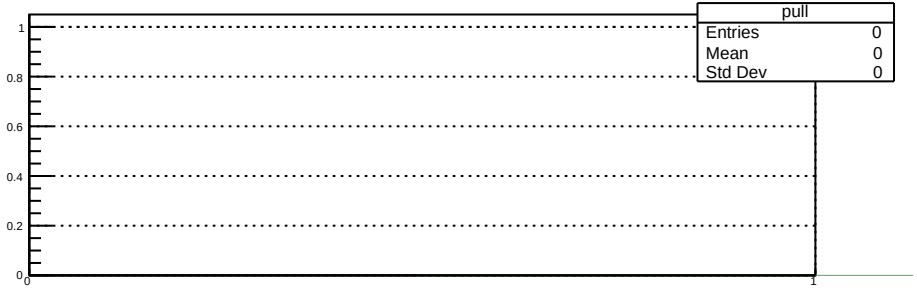
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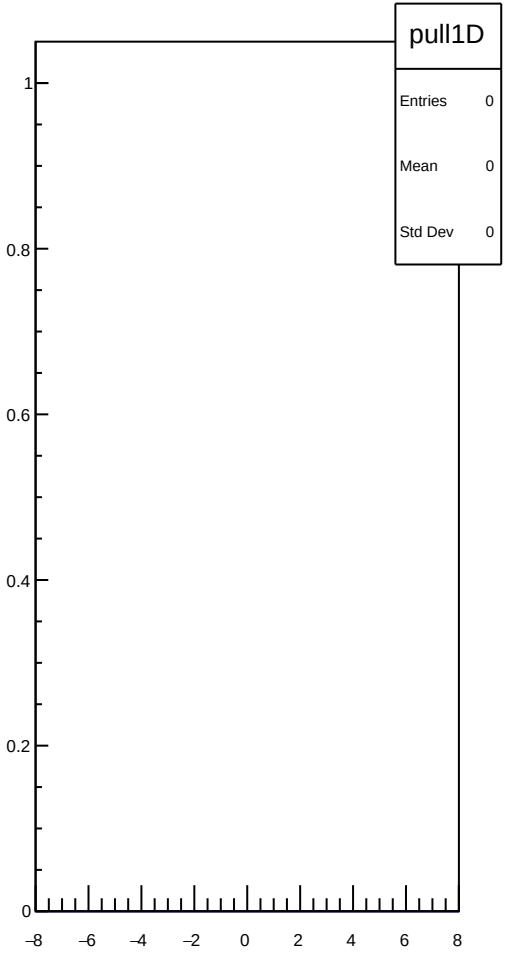
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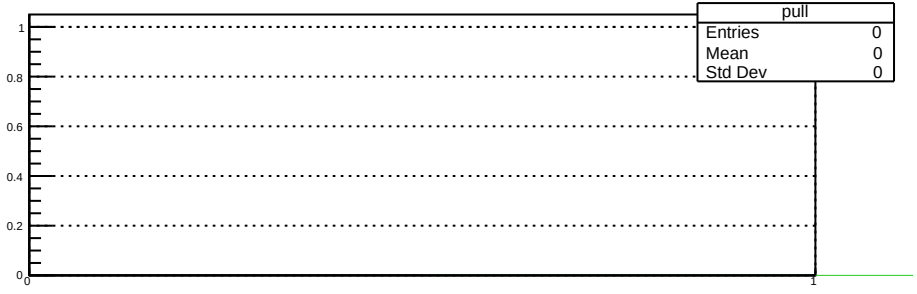
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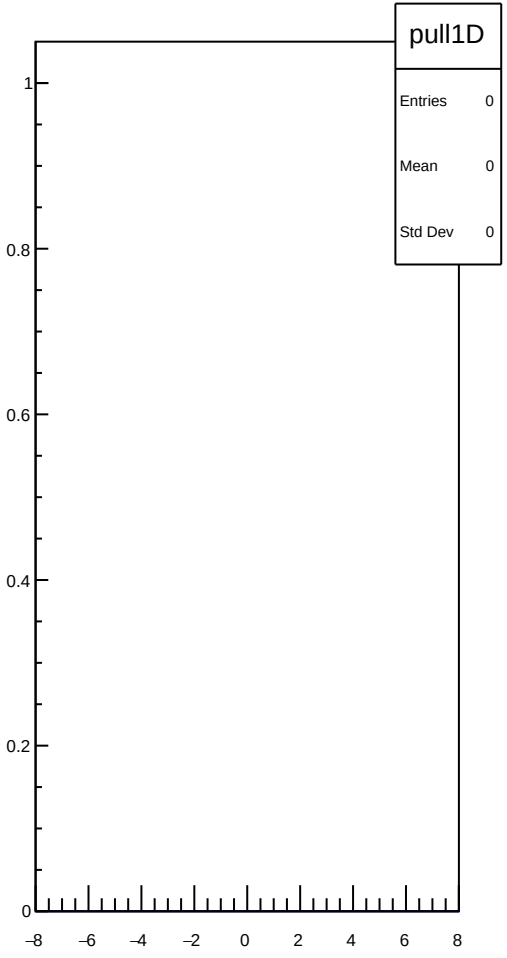
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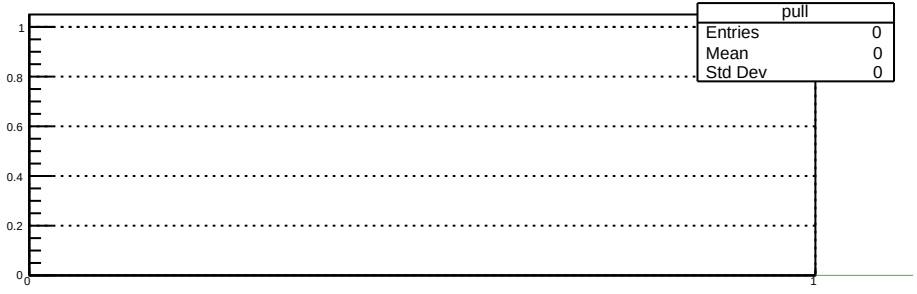
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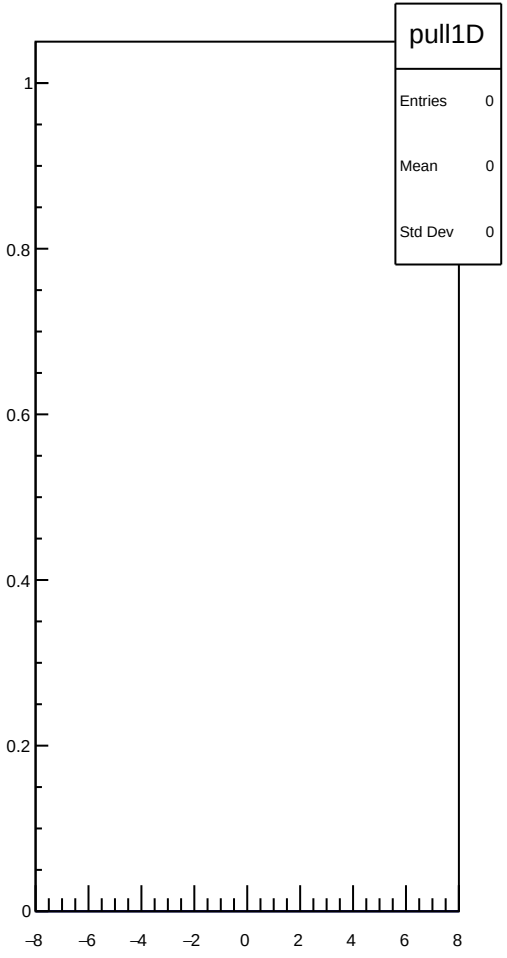
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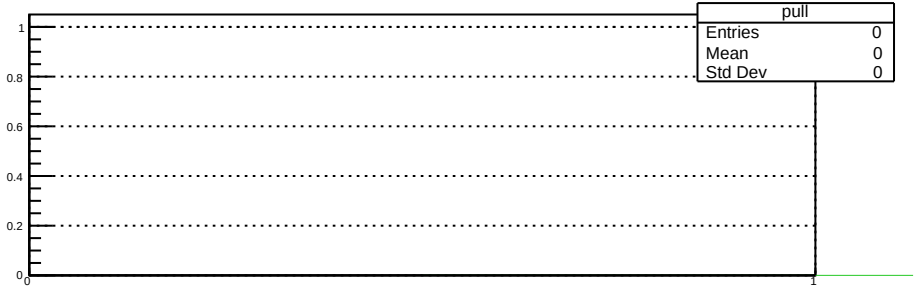
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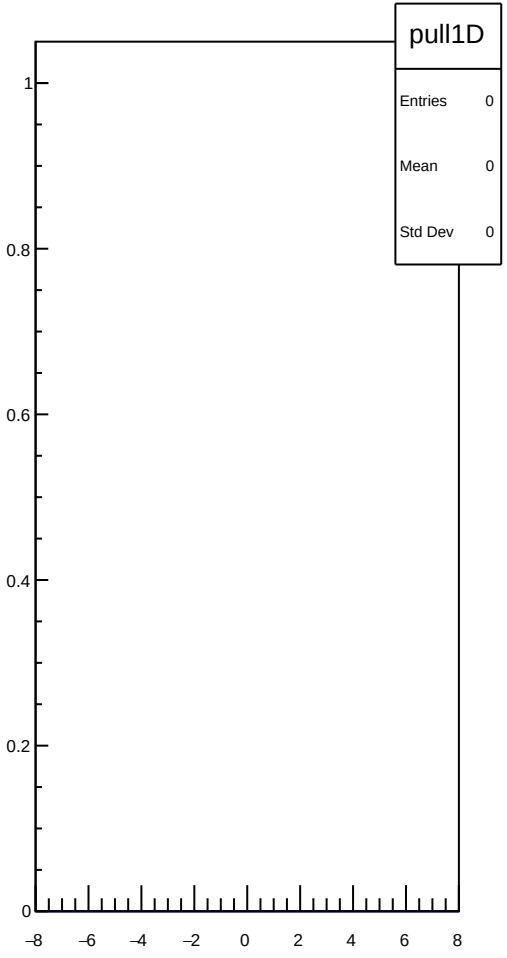
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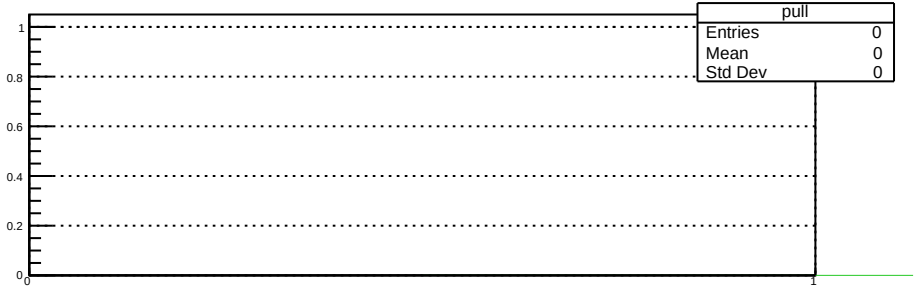
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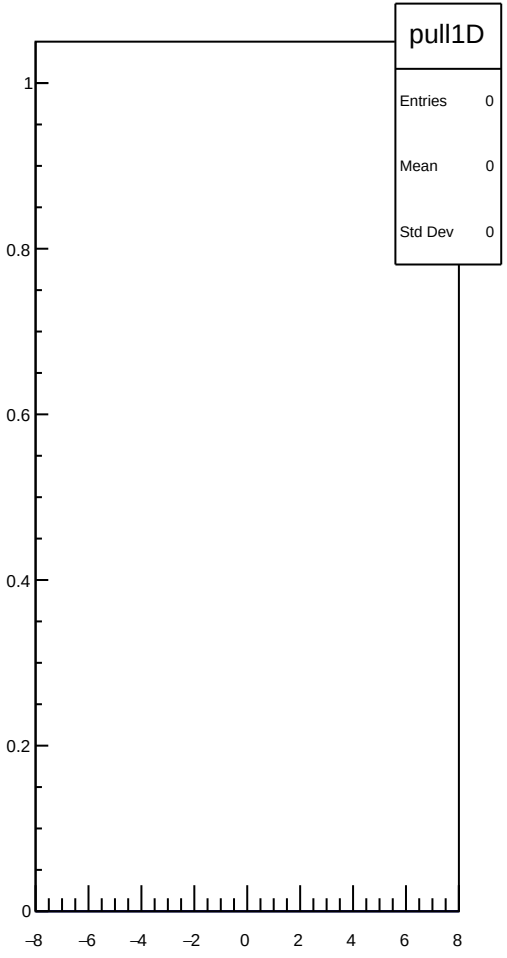
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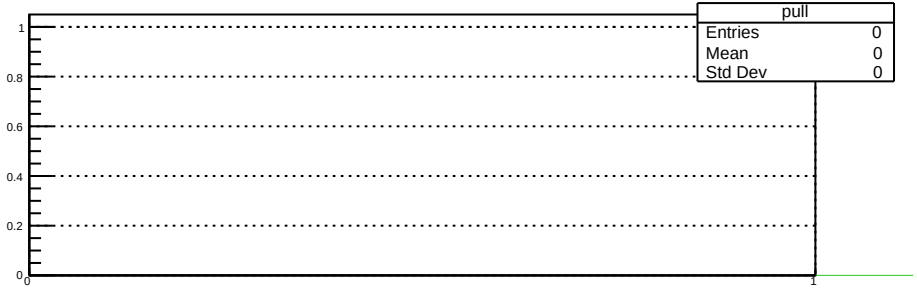
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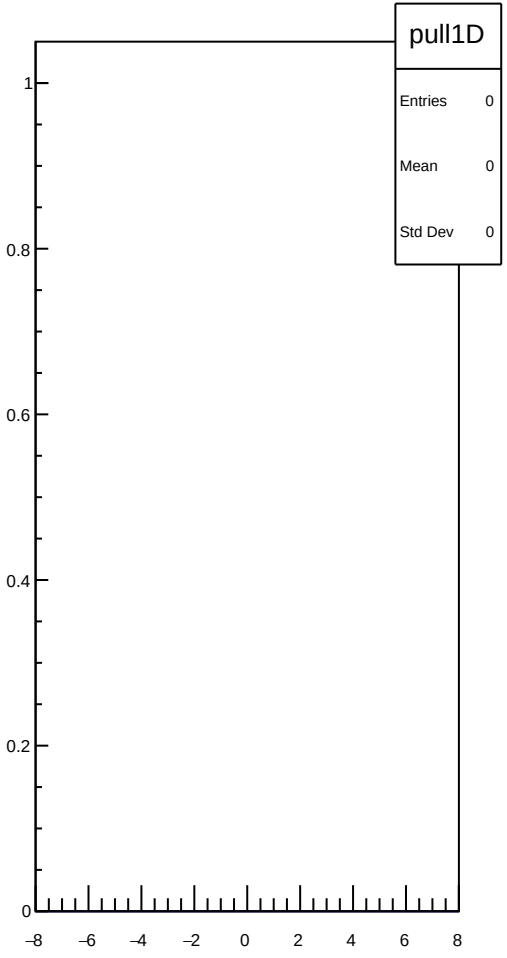
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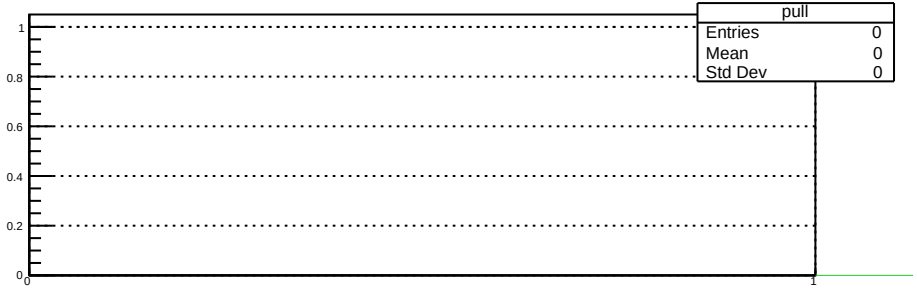
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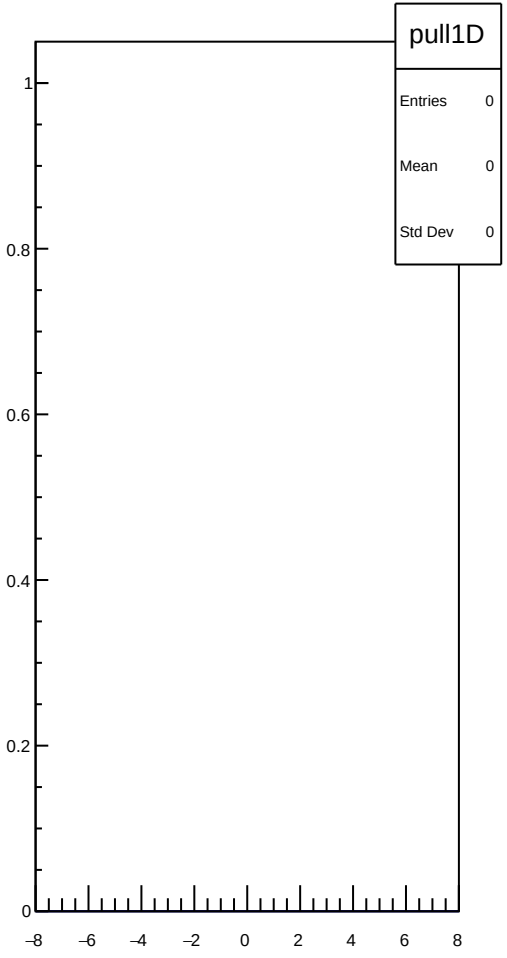
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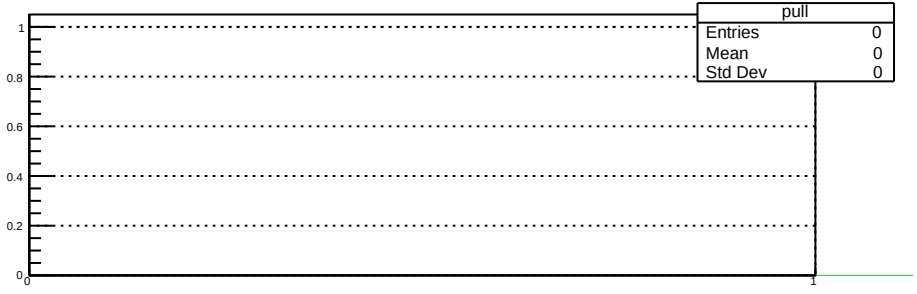
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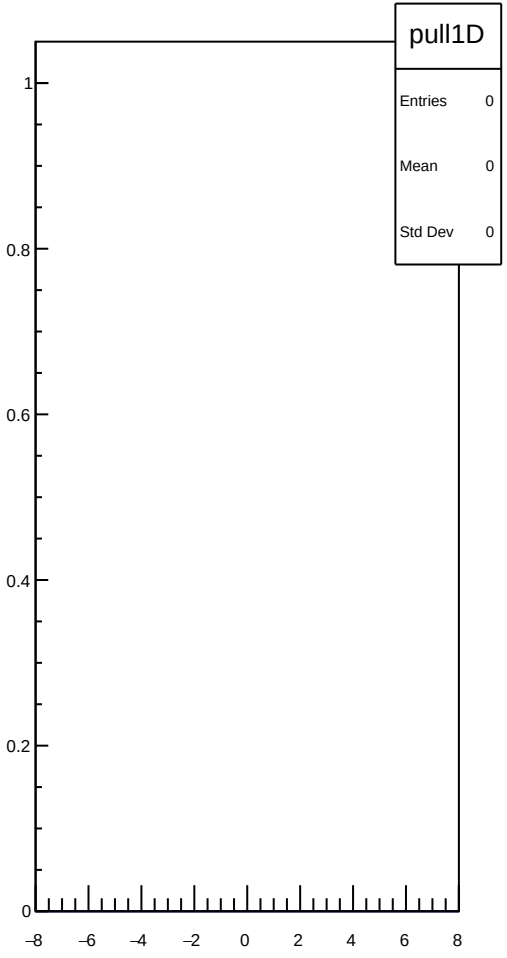
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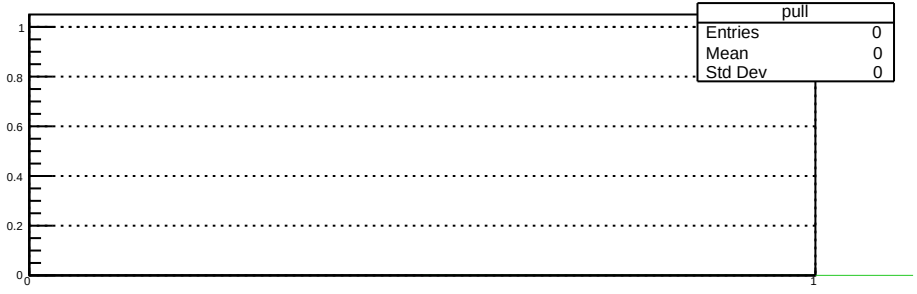
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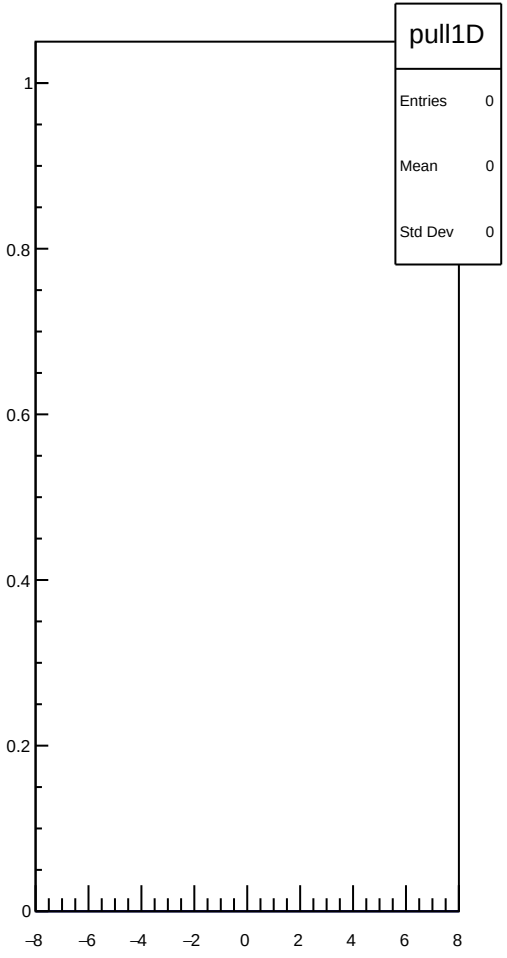
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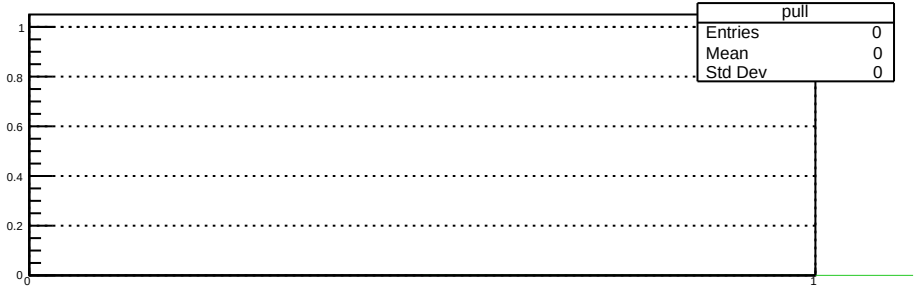
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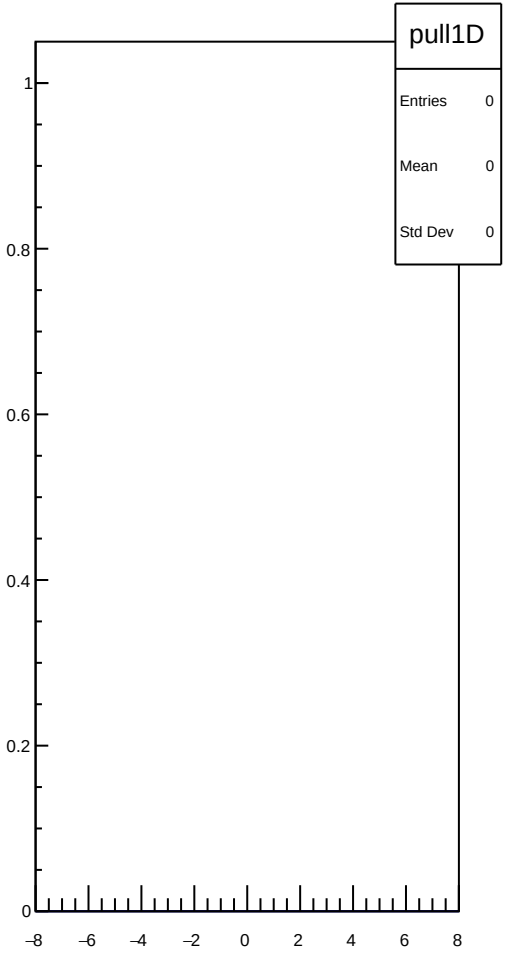
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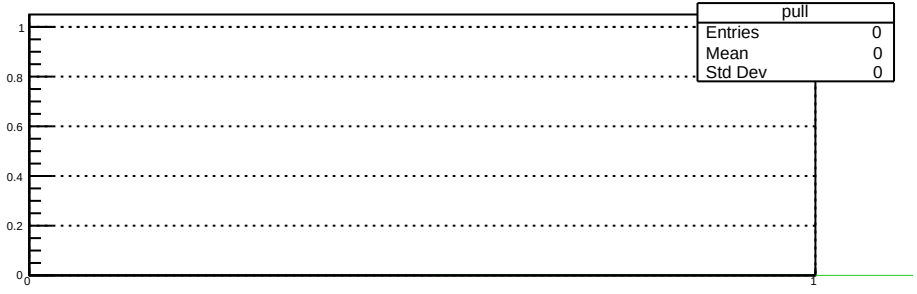
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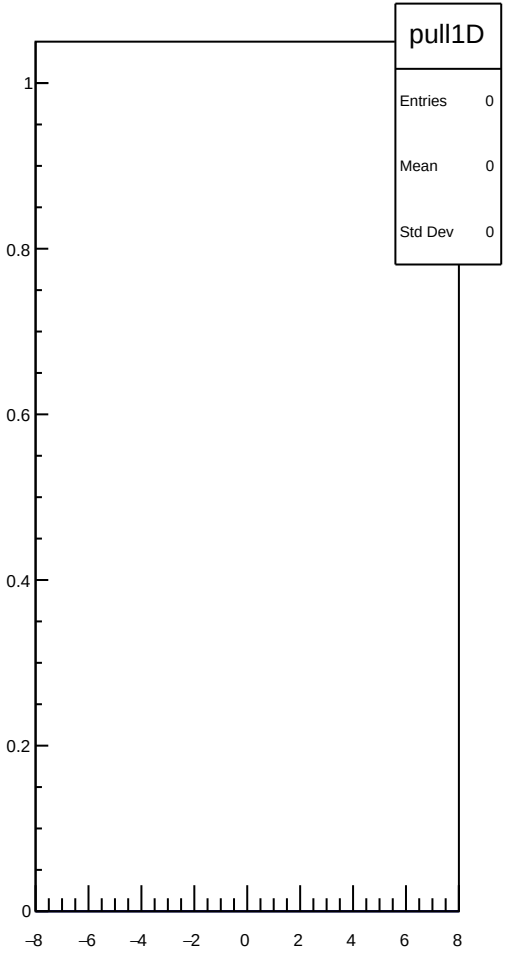
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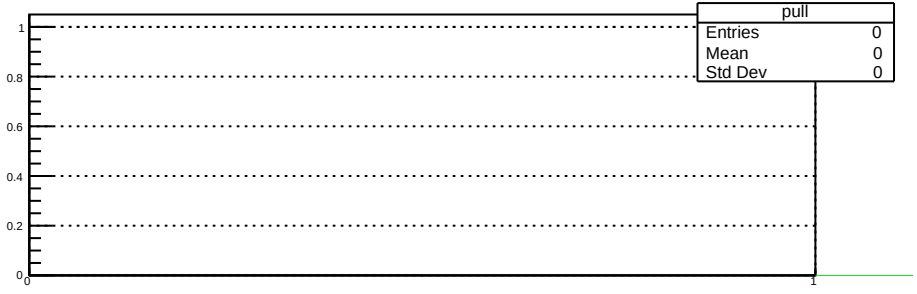
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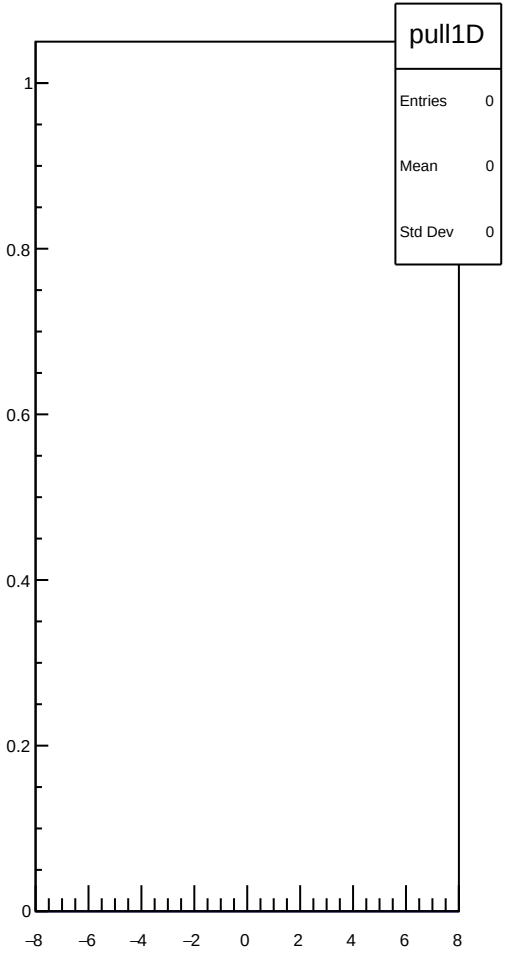
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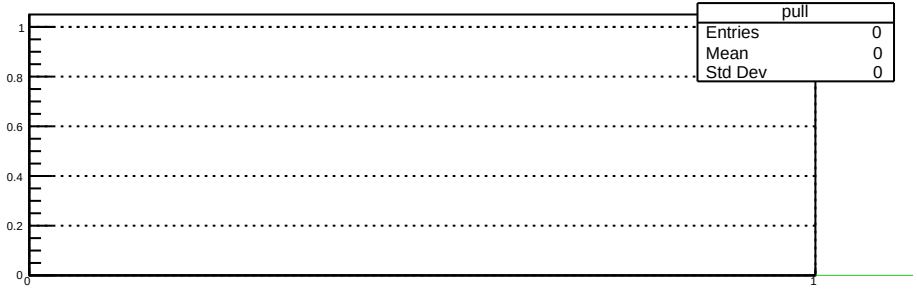
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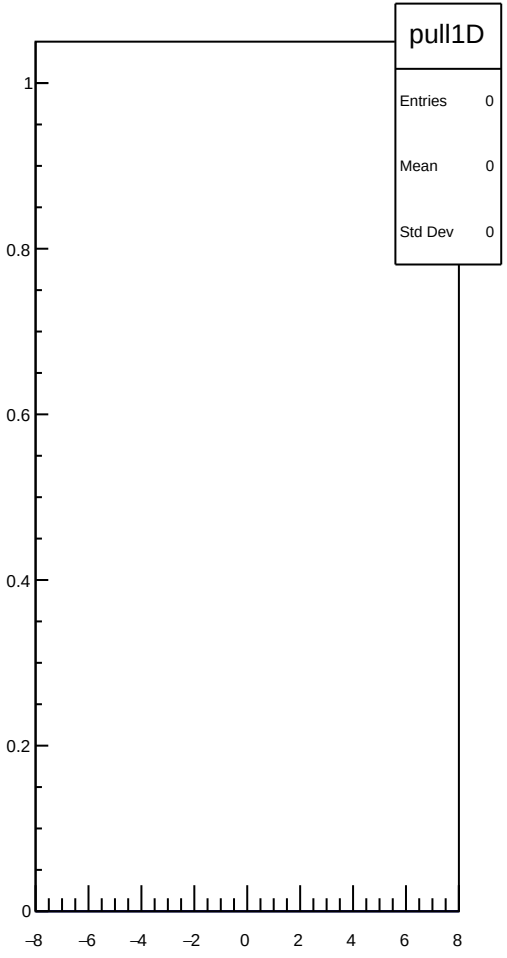
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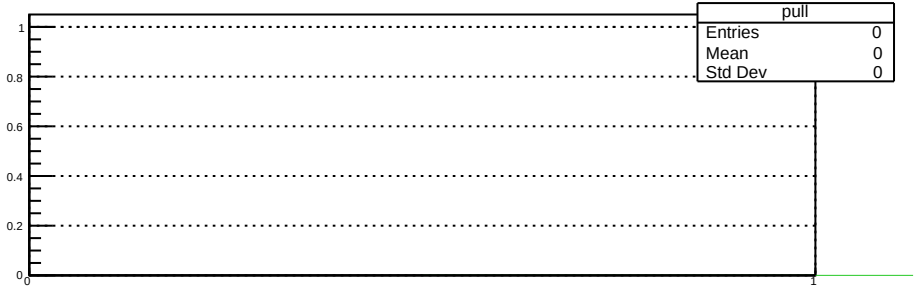
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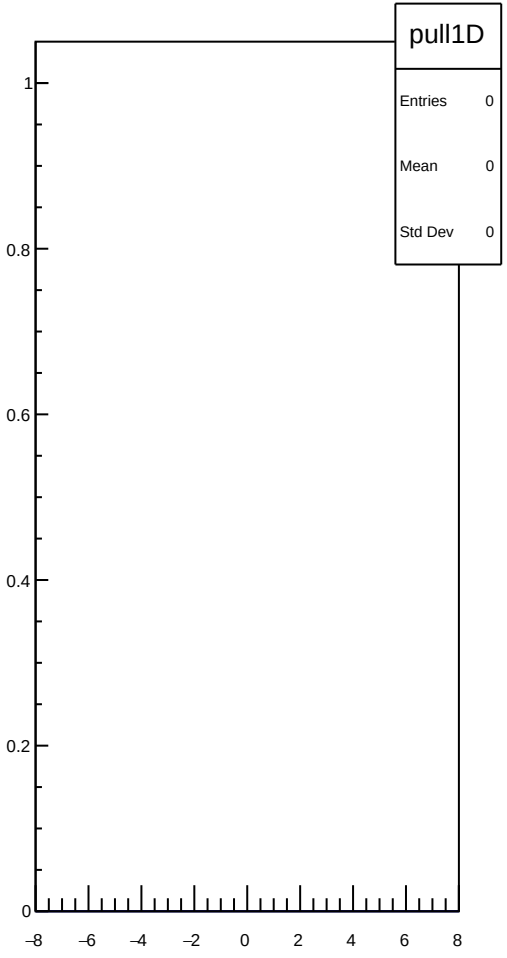
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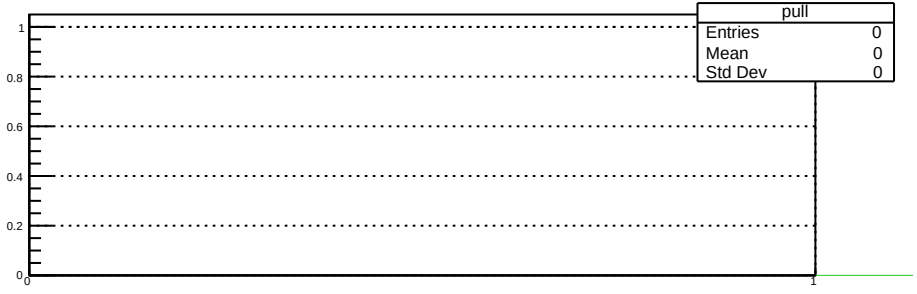
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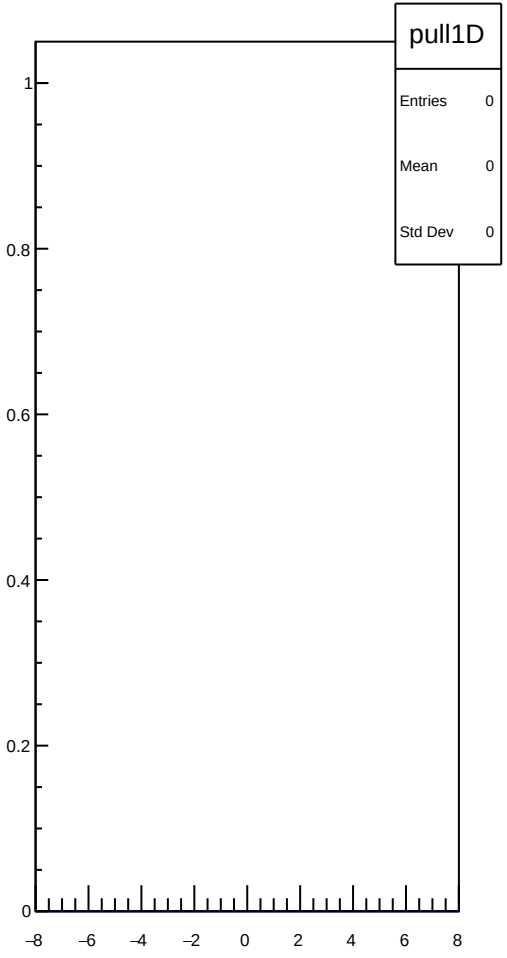
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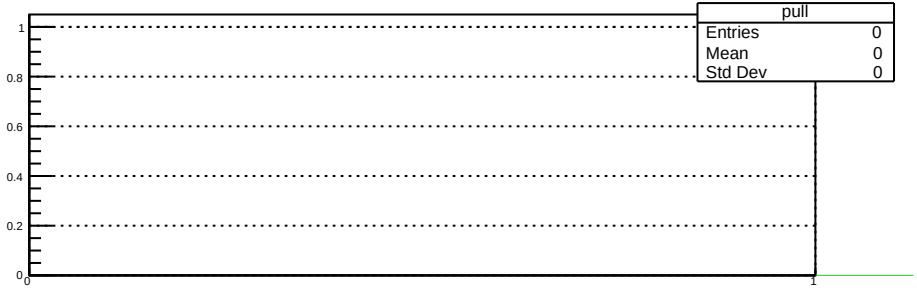
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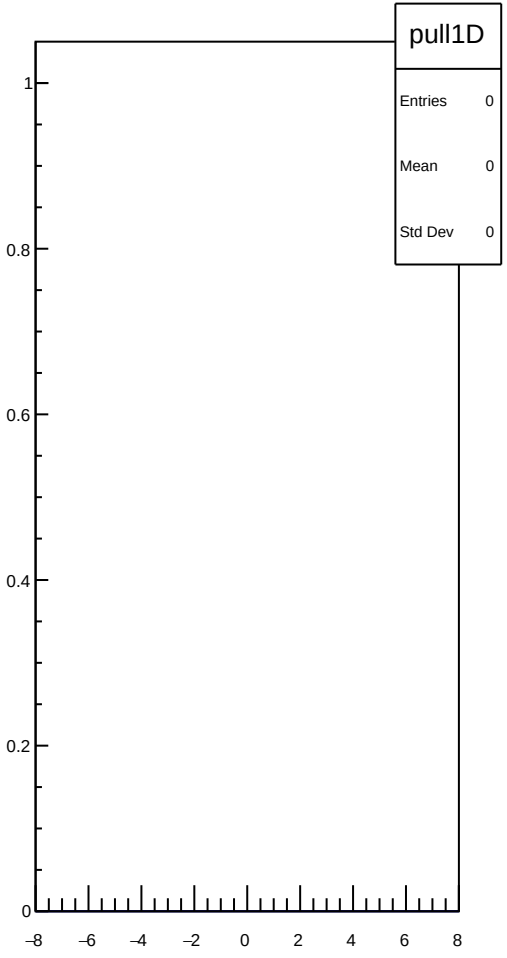
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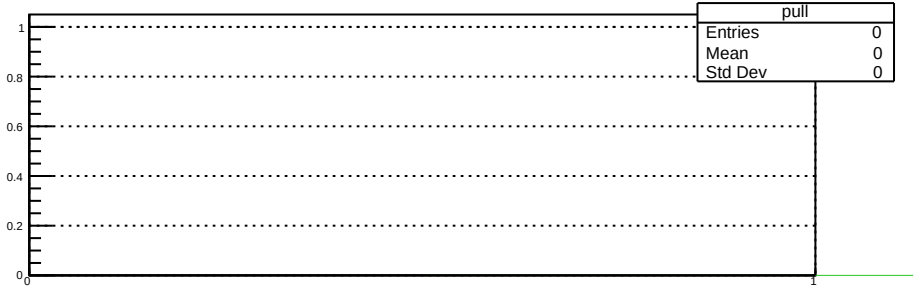
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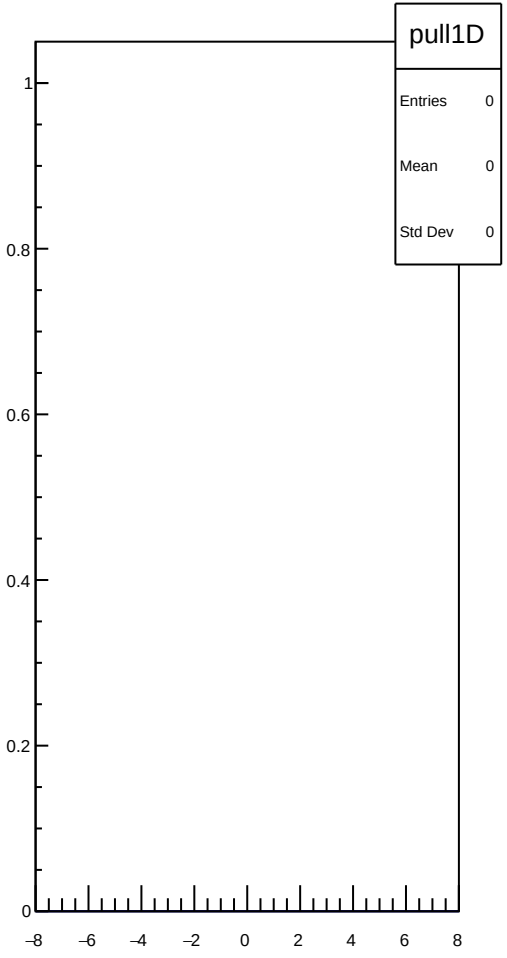
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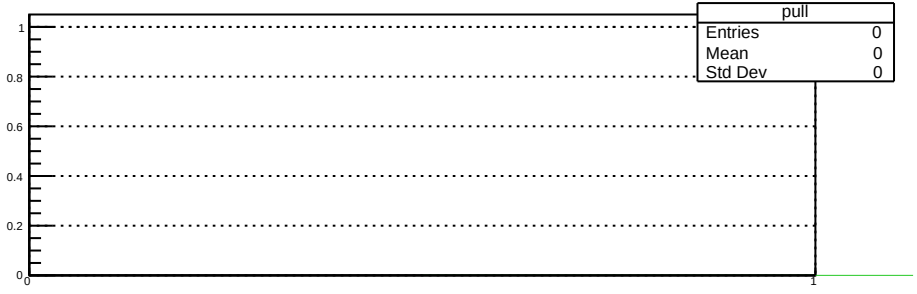
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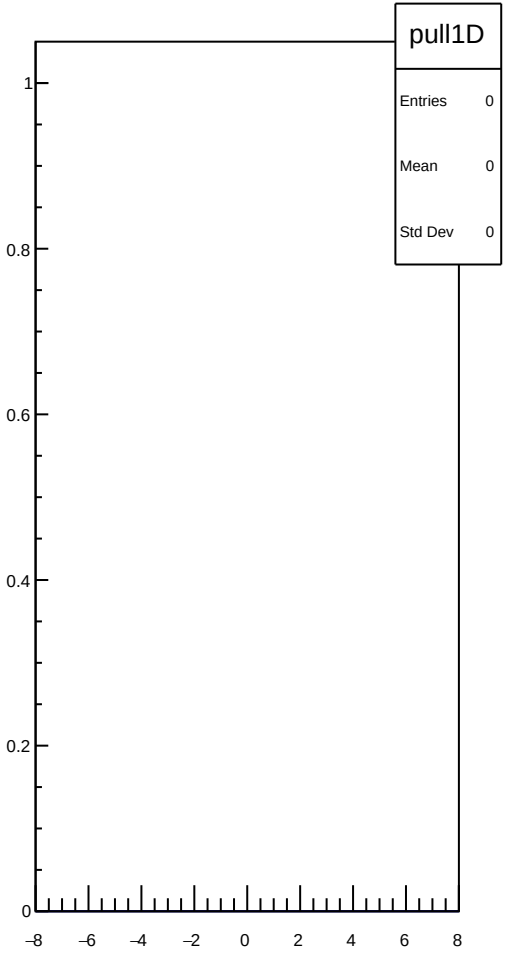
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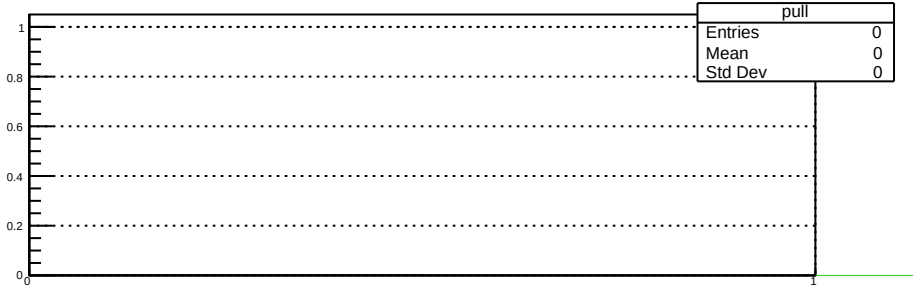
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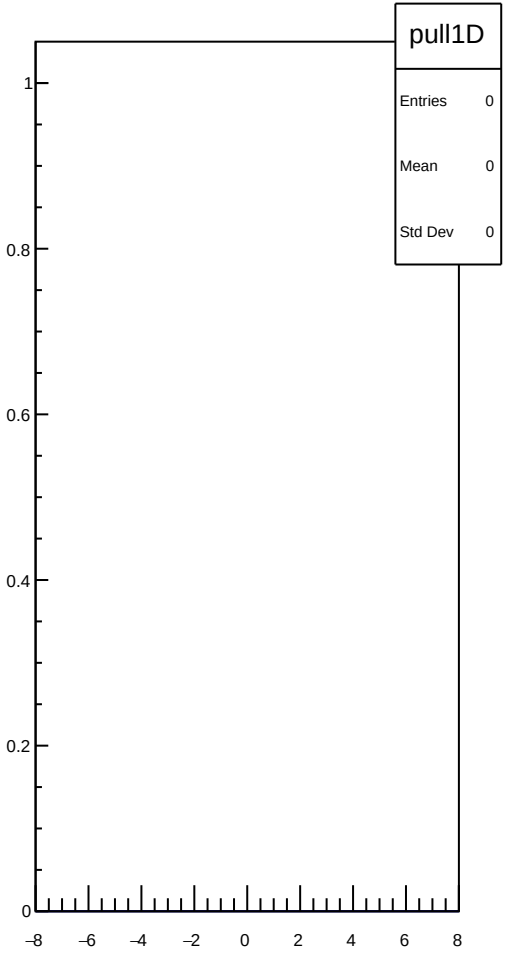
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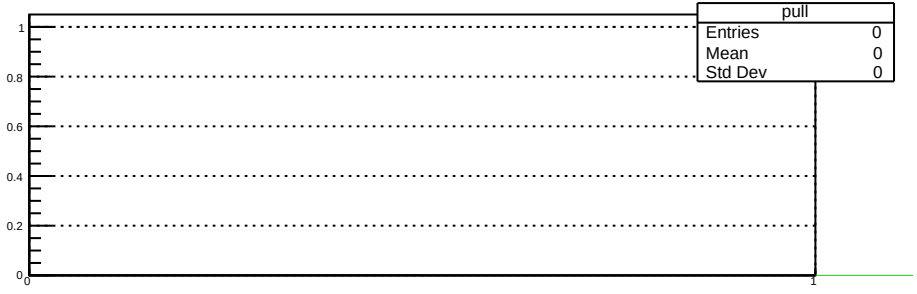
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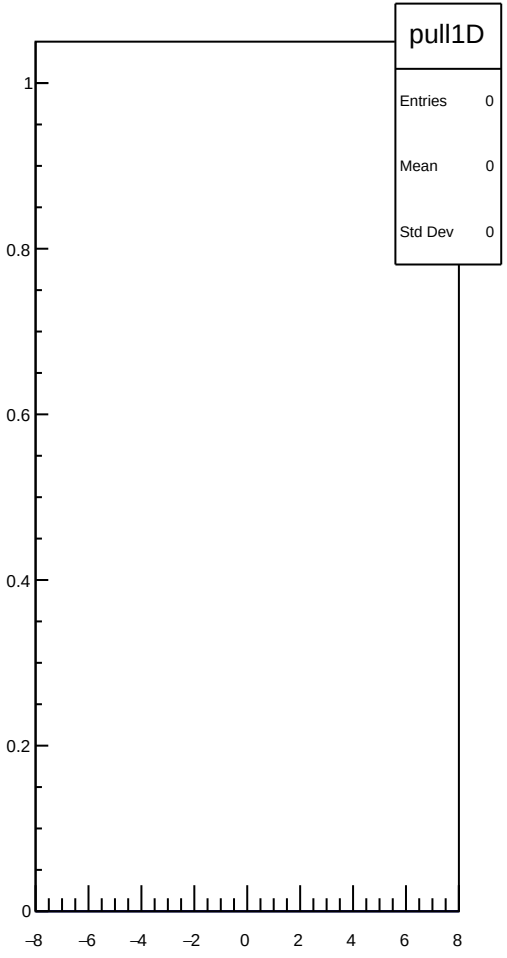
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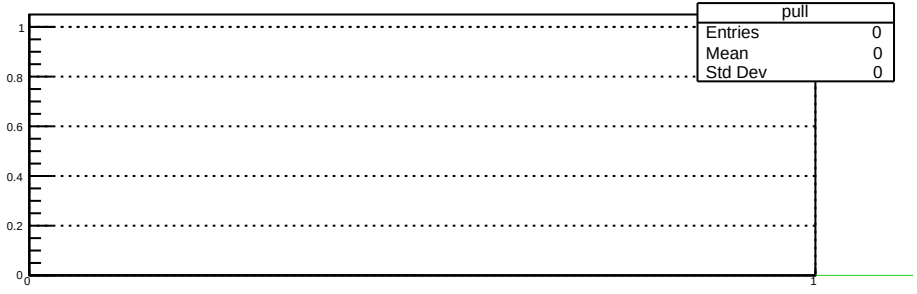
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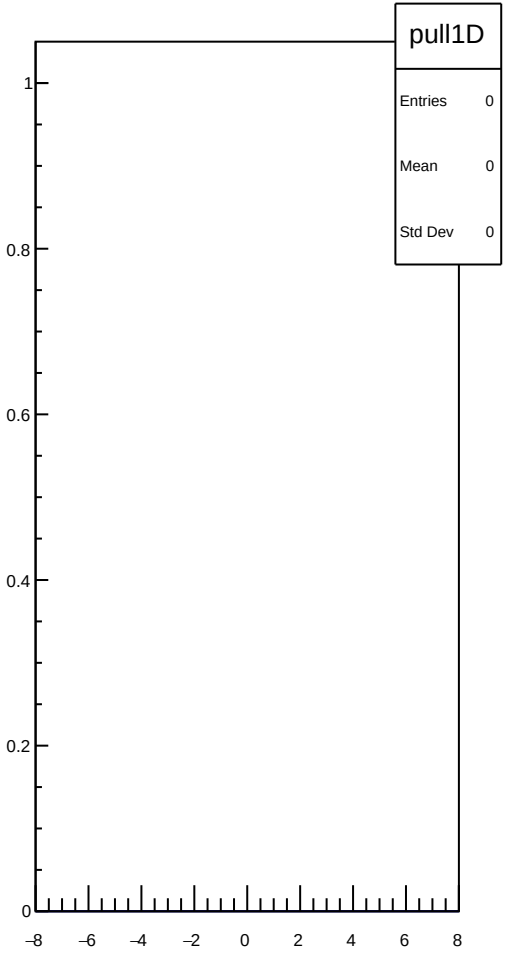
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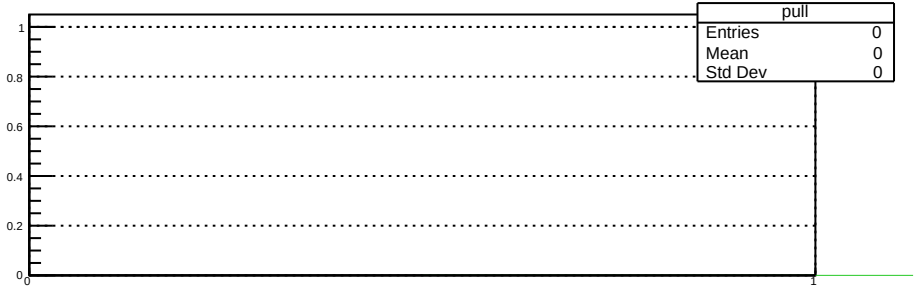
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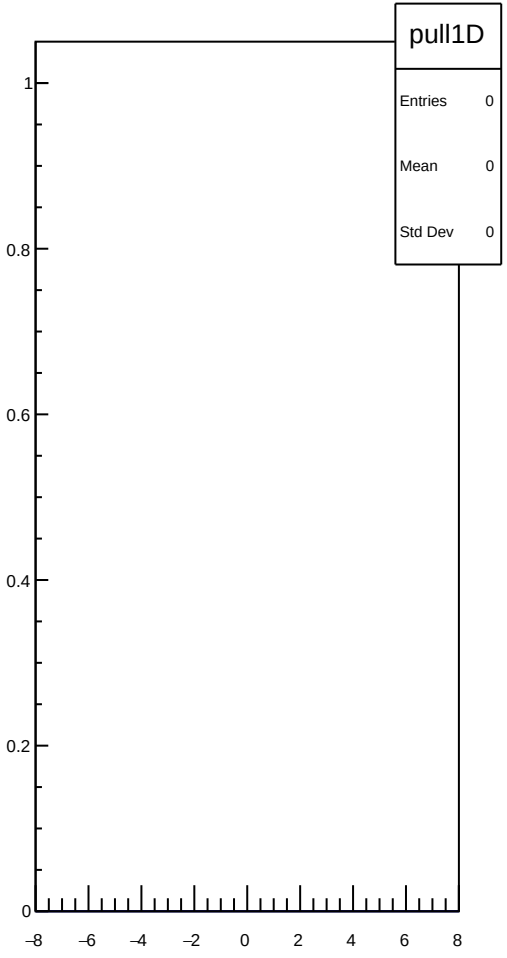
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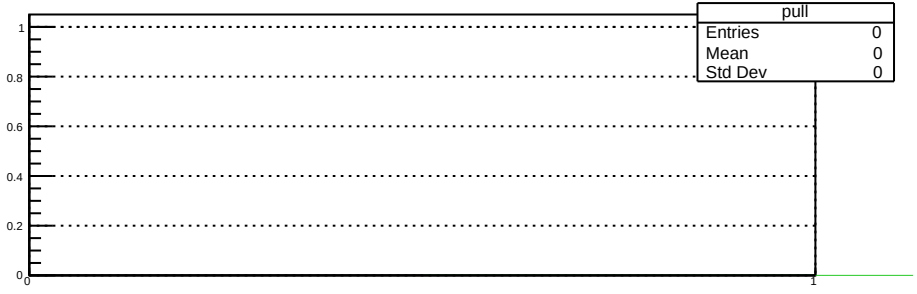
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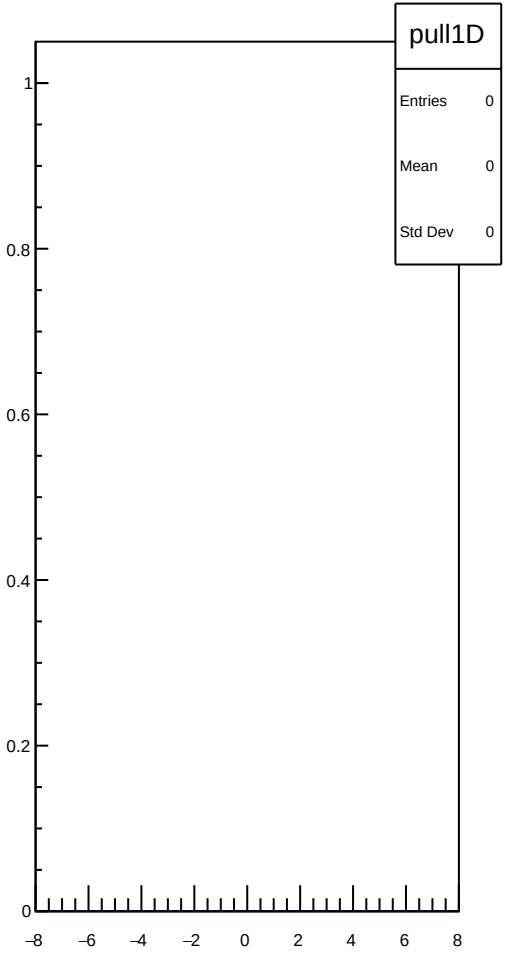
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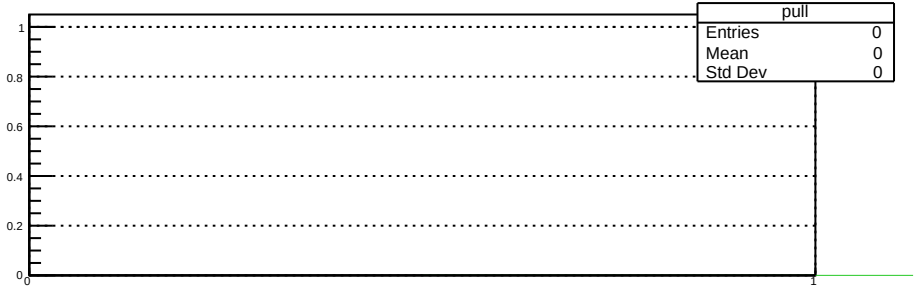
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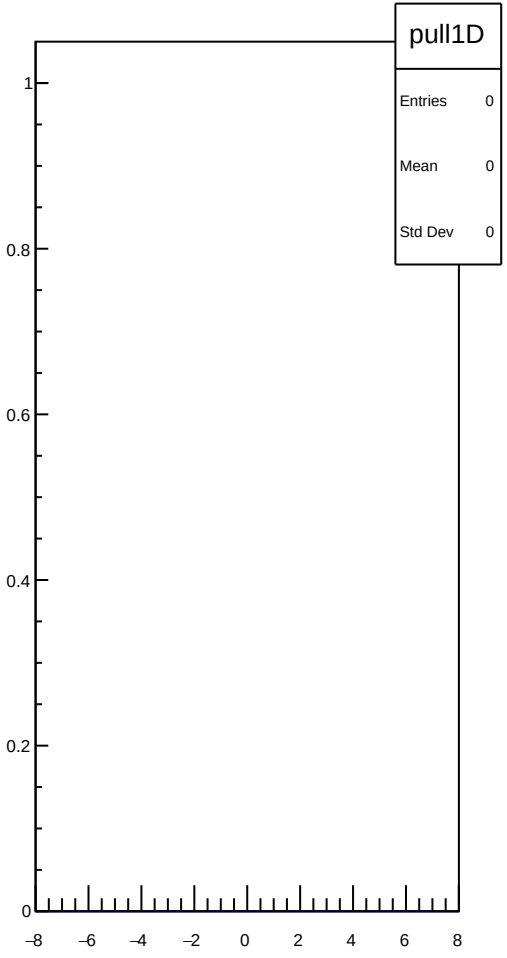
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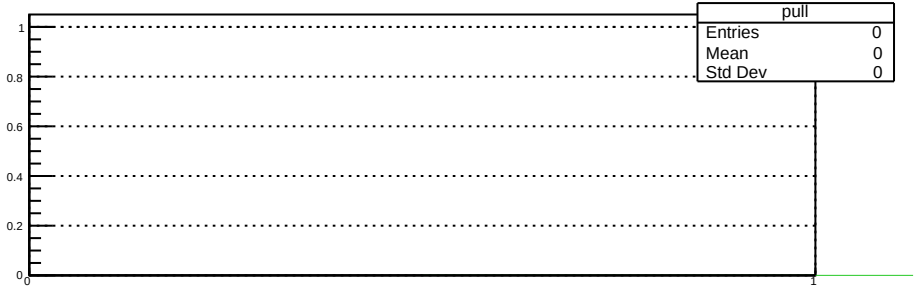
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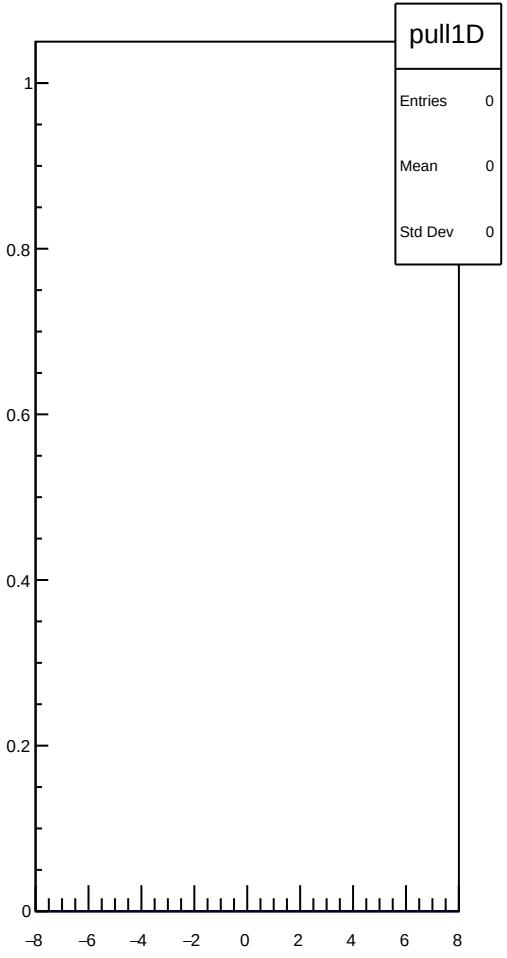
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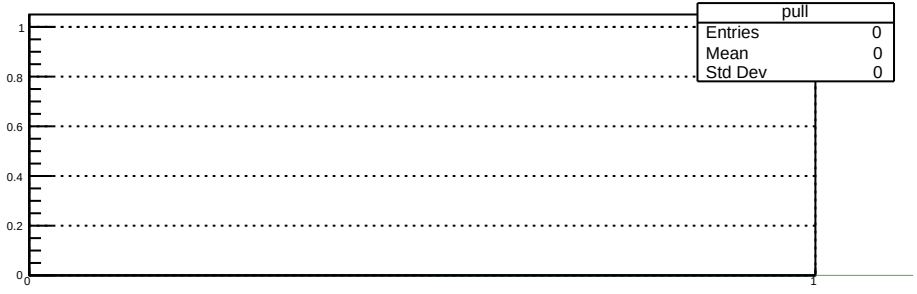
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0.8
0.6
0.4
0.2
0
0
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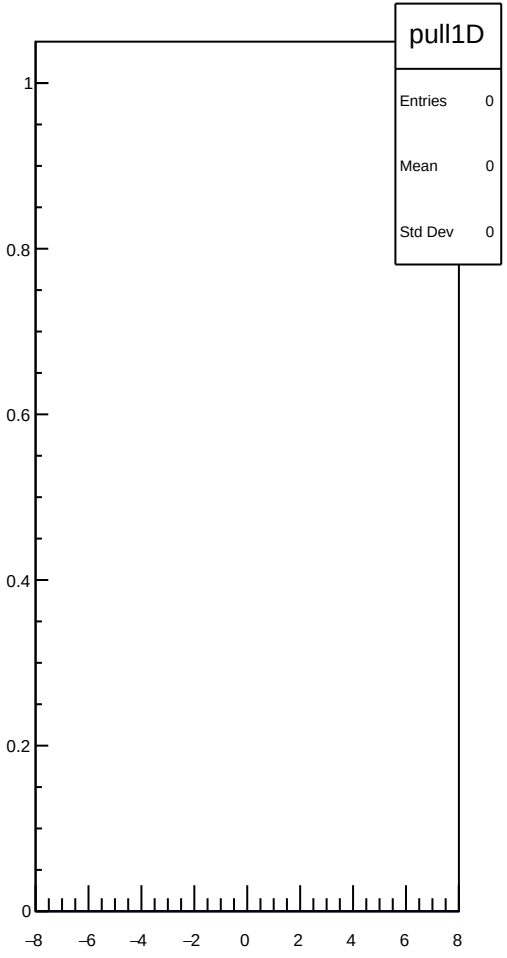
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Std Dev 0
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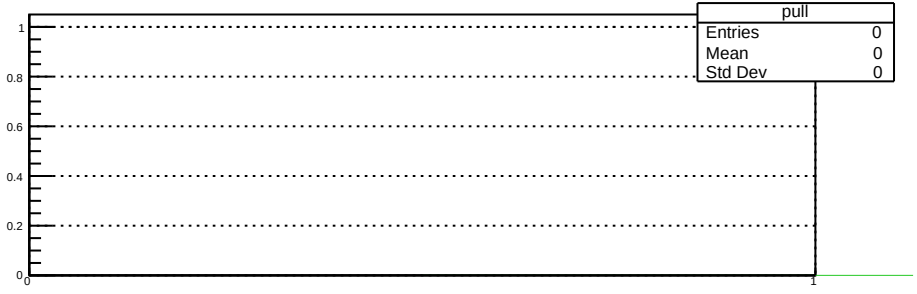
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Std Dev 0
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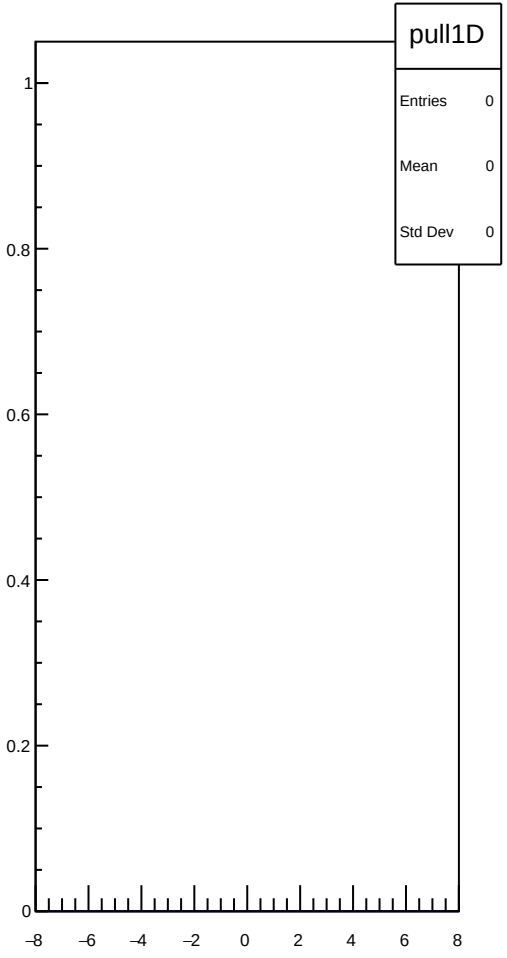
pull1D
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Std Dev 0
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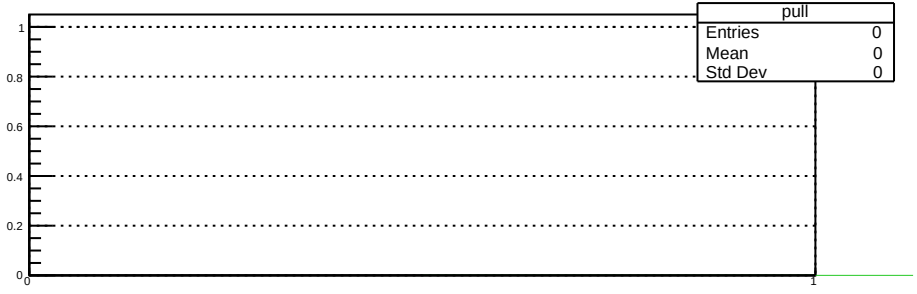
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Std Dev 0
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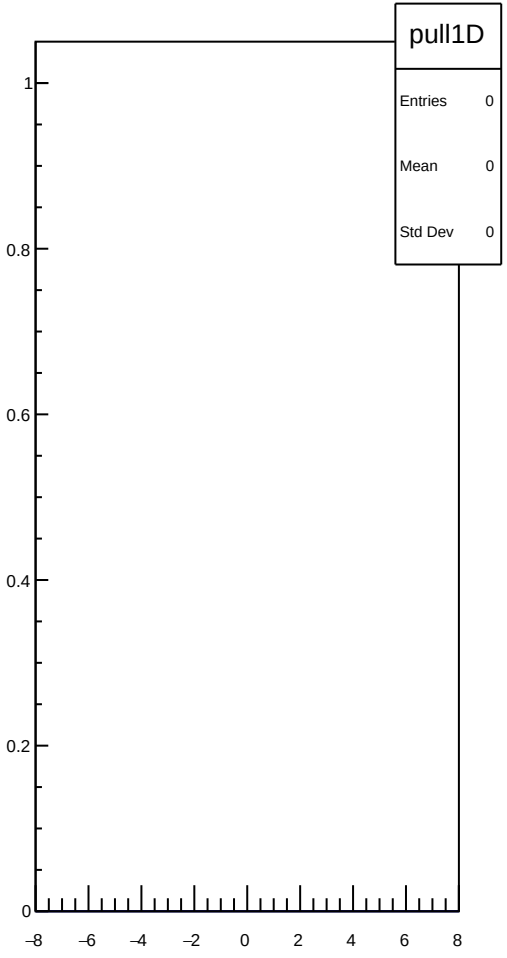
pull1D
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Std Dev 0
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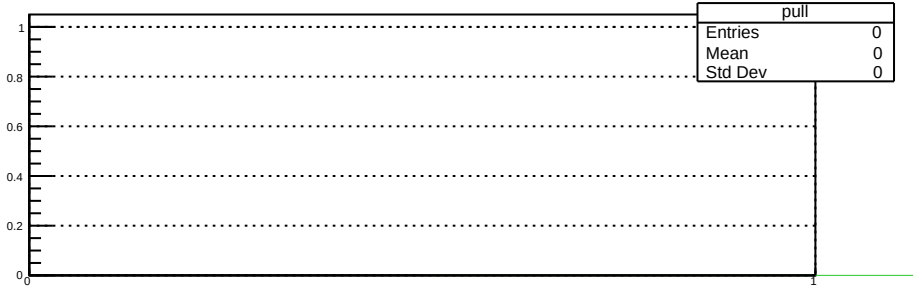
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Std Dev 0
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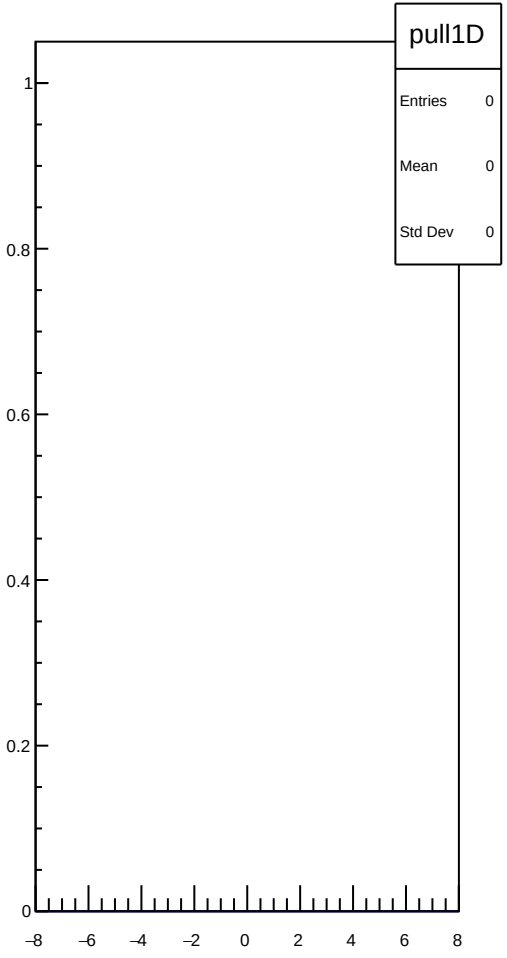
pull1D
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Std Dev 0
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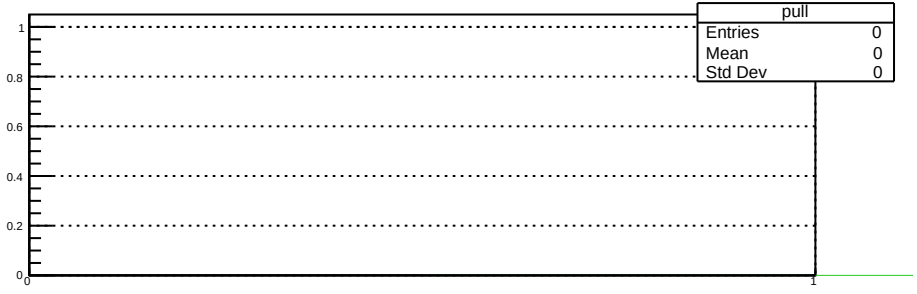
pull
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Mean 0
Std Dev 0
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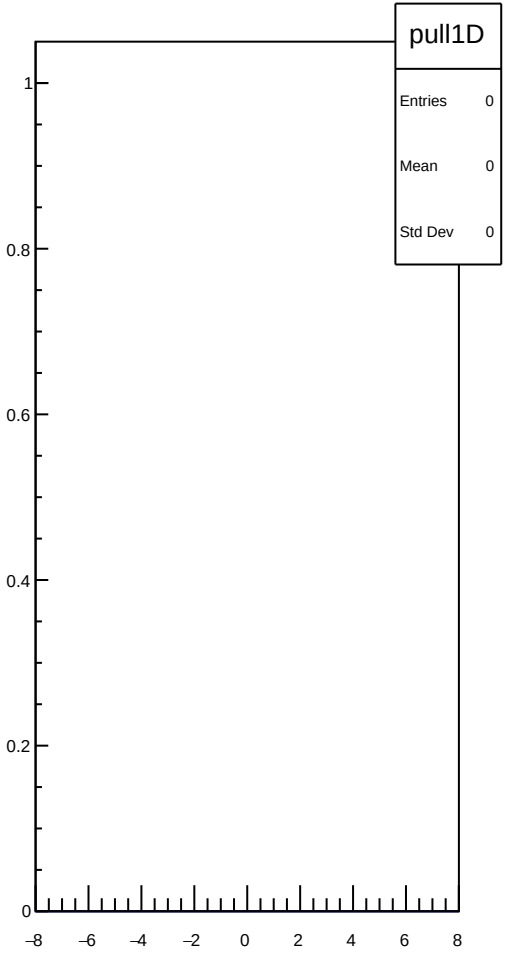
pull1D
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Std Dev 0
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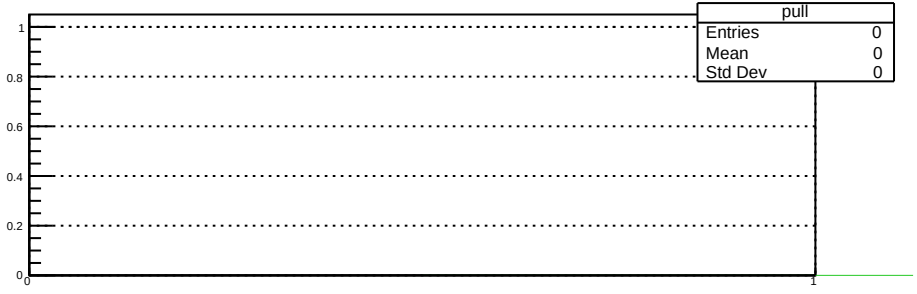
pull
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Std Dev 0
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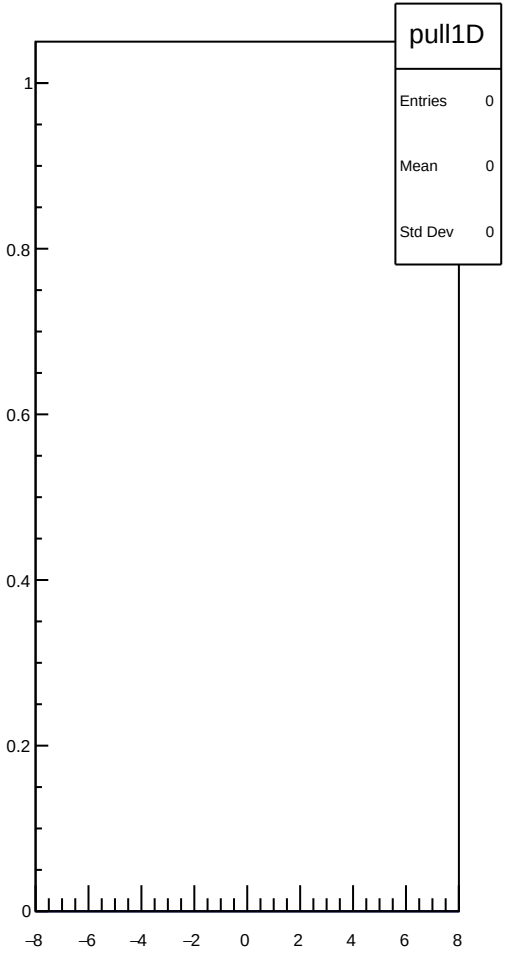
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Std Dev 0
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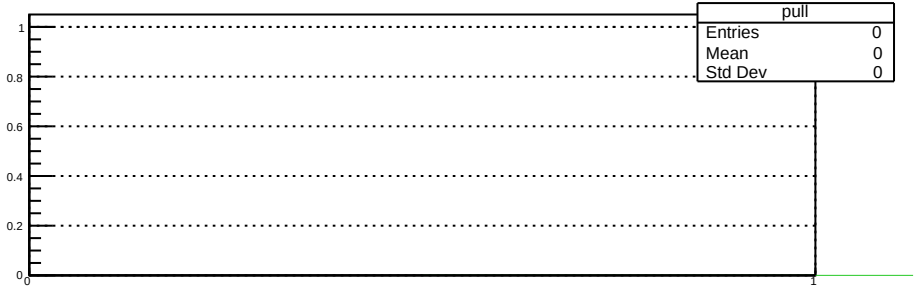
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Std Dev 0
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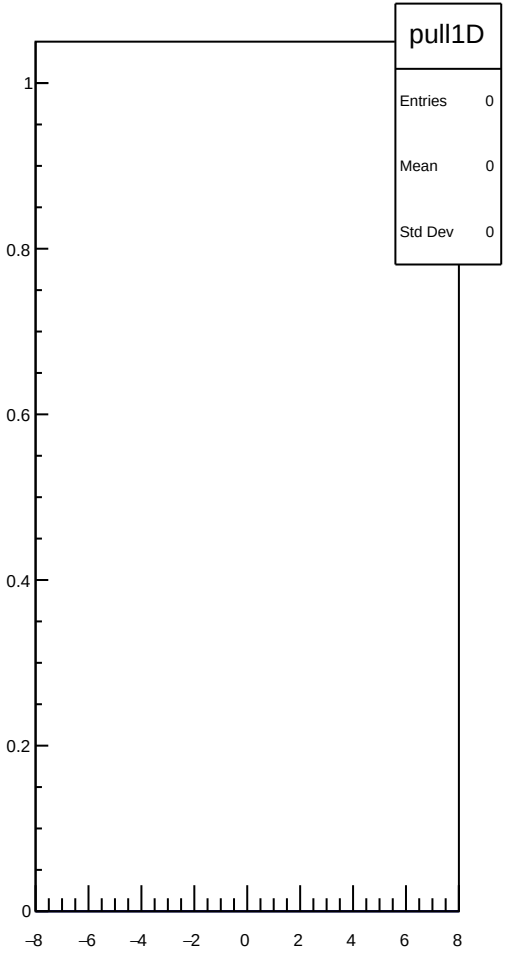
pull1D
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Mean 0
Std Dev 0
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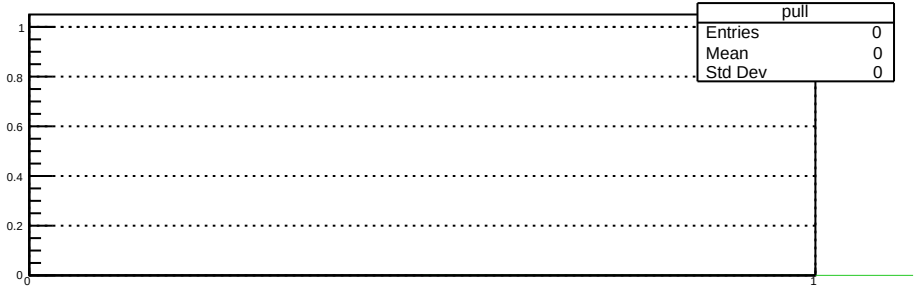
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Std Dev 0
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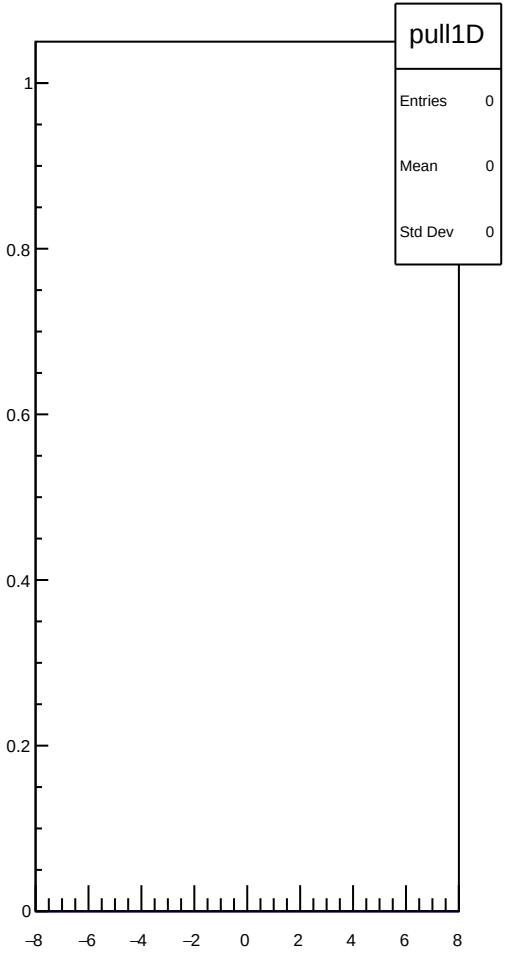
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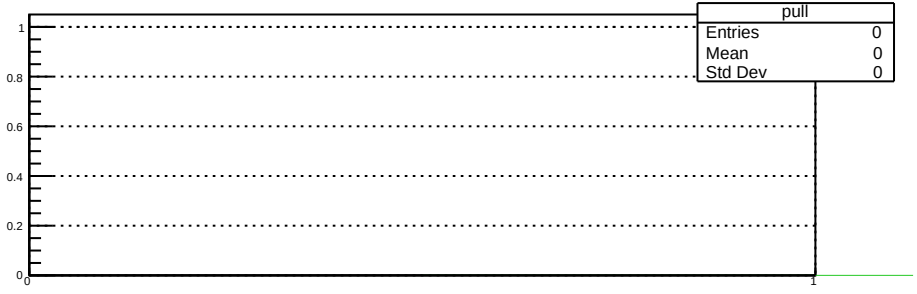
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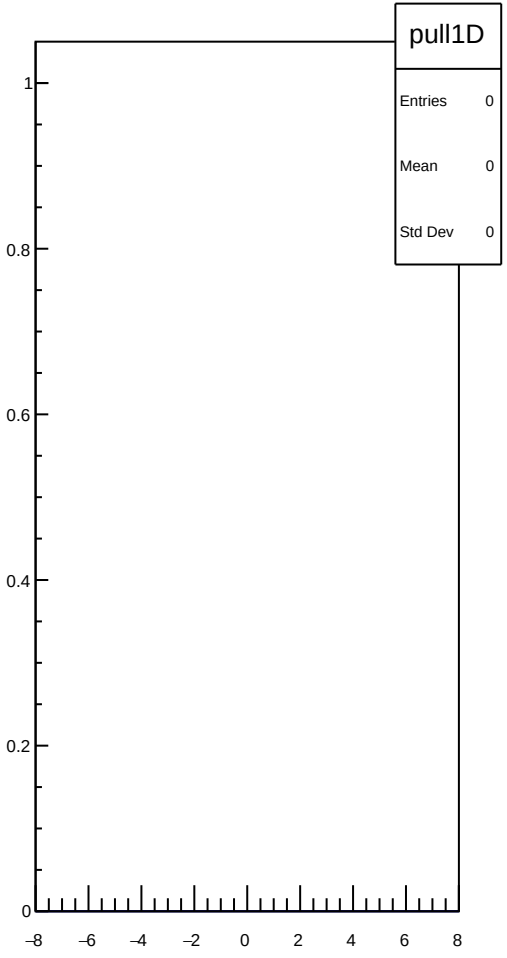
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Entries 0
Mean 0
Std Dev 0
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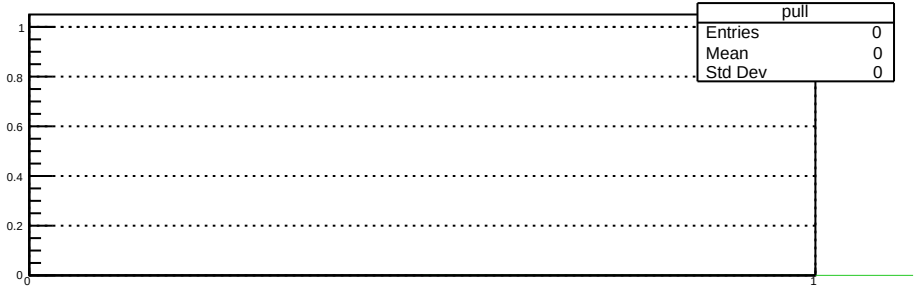
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Std Dev 0
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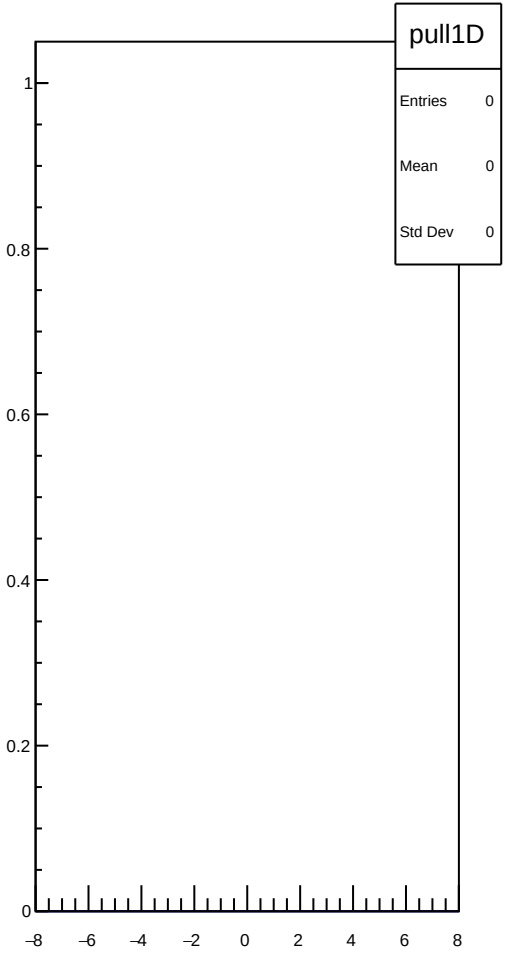
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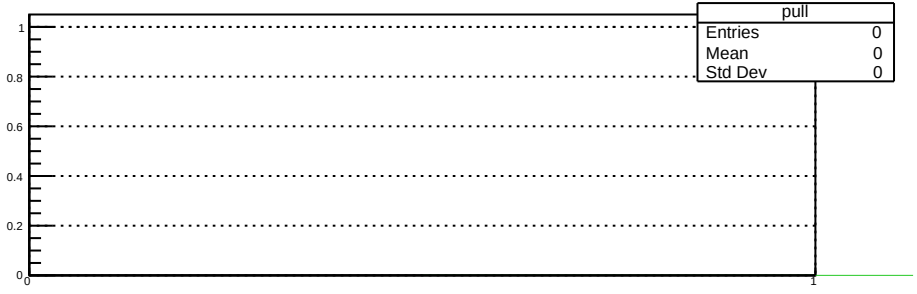
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Mean 0
Std Dev 0
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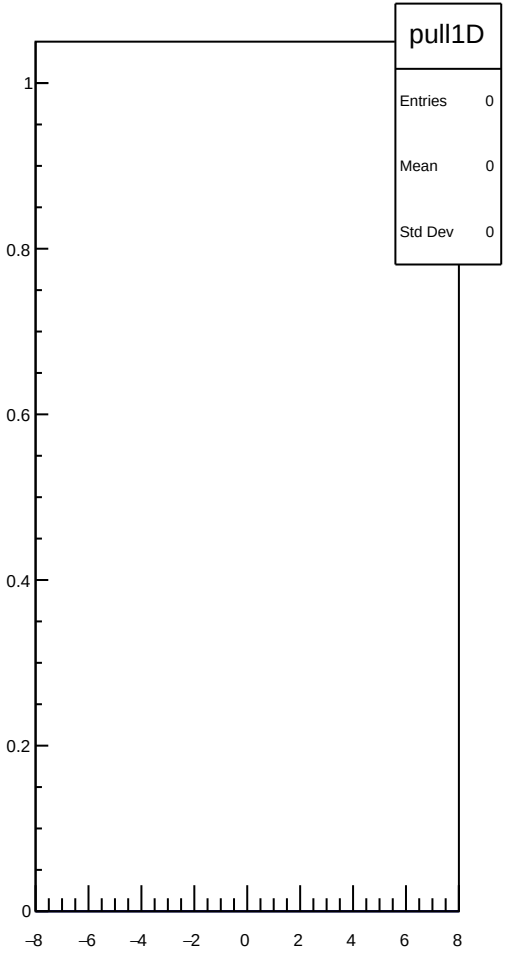
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Mean 0
Std Dev 0
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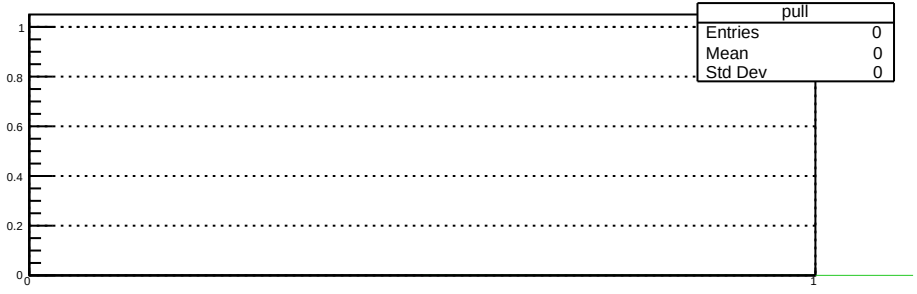
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Std Dev 0
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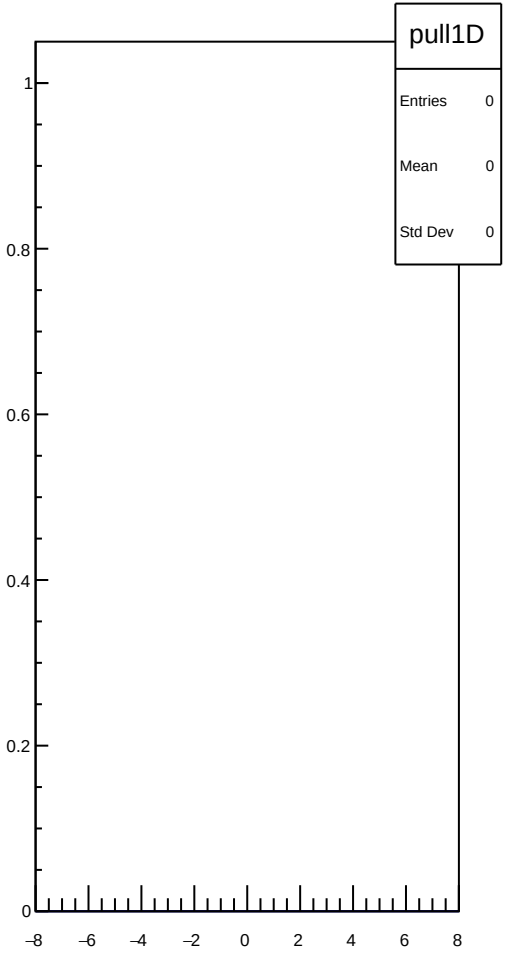
pull1D
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Std Dev 0
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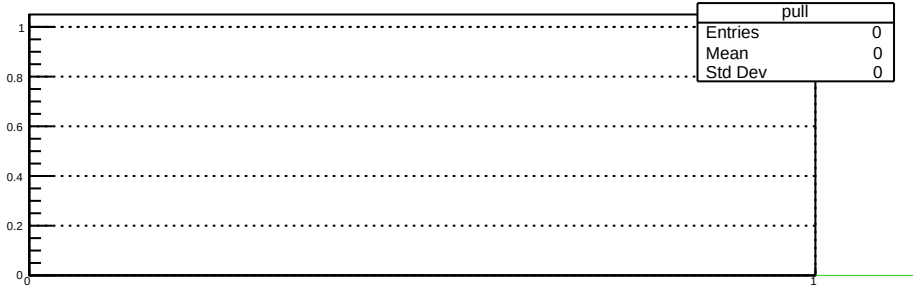
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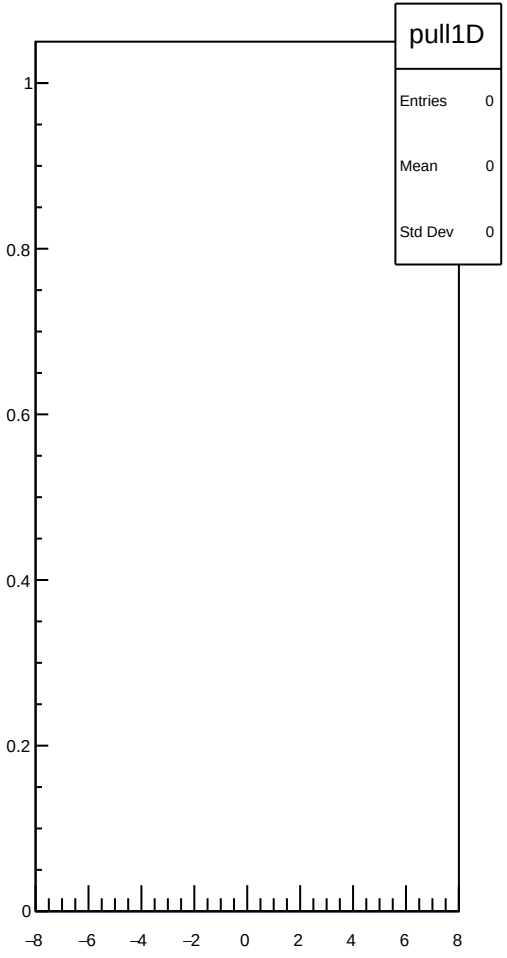
pull1D
Entries 0
Mean 0
Std Dev 0
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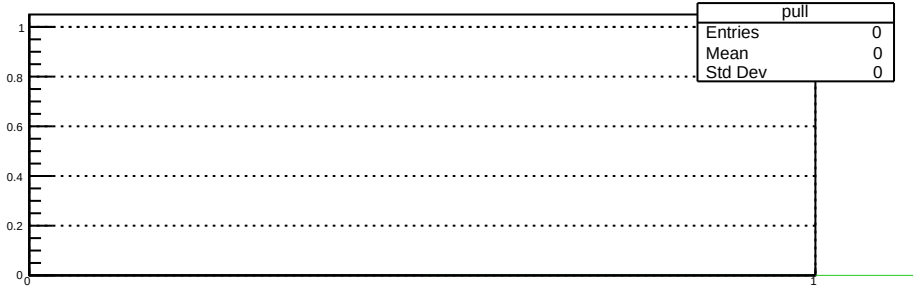
pull
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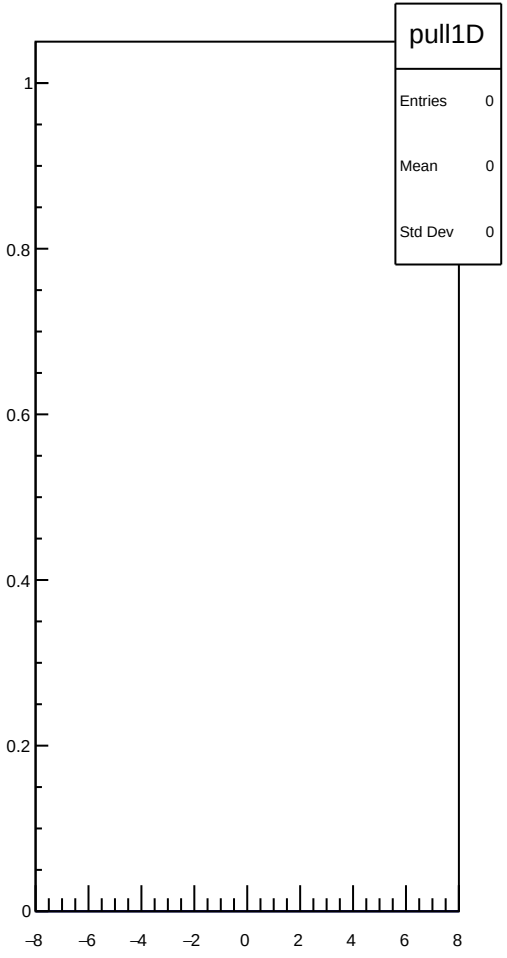
pull1D
Entries 0
Mean 0
Std Dev 0
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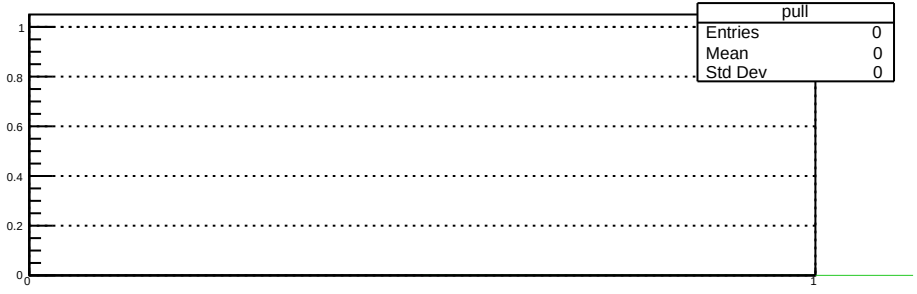
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Std Dev 0
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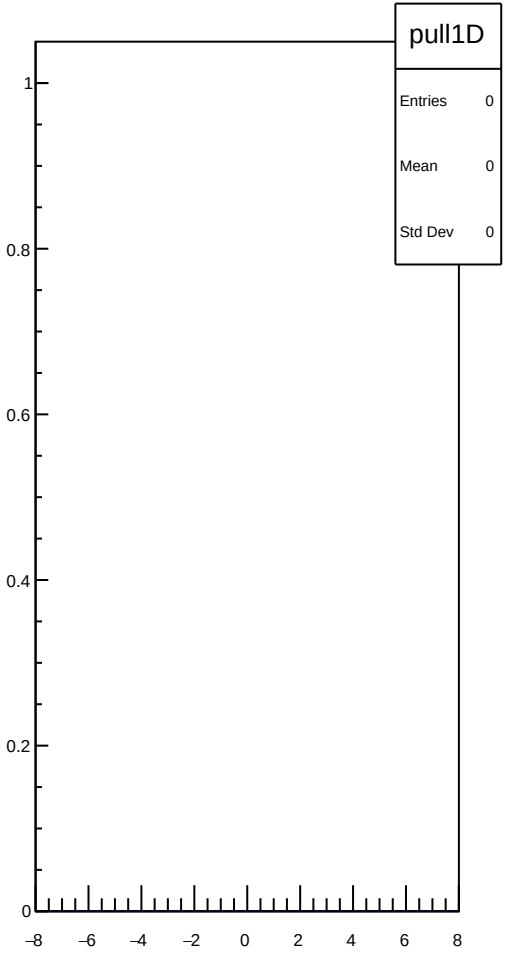
pull1D
Entries 0
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Std Dev 0
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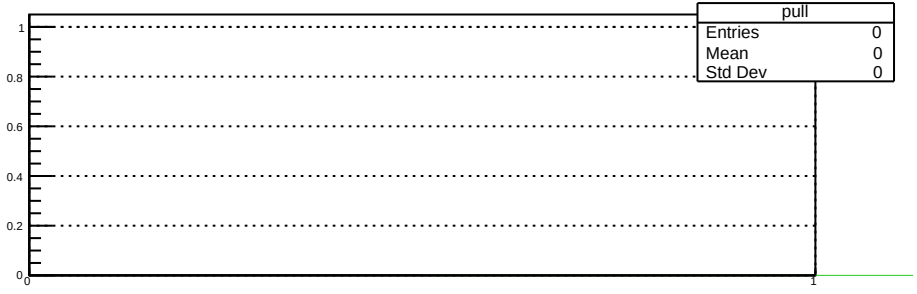
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Std Dev 0
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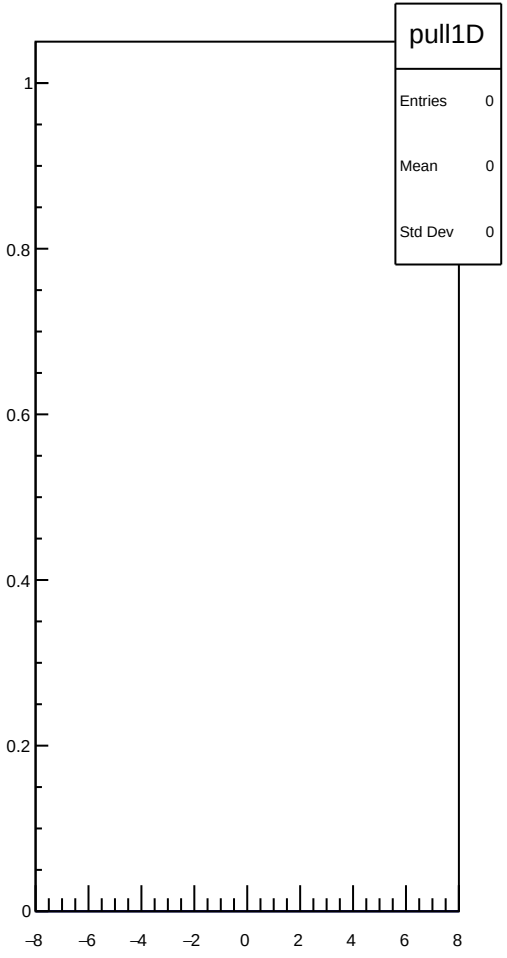
pull1D
Entries 0
Mean 0
Std Dev 0
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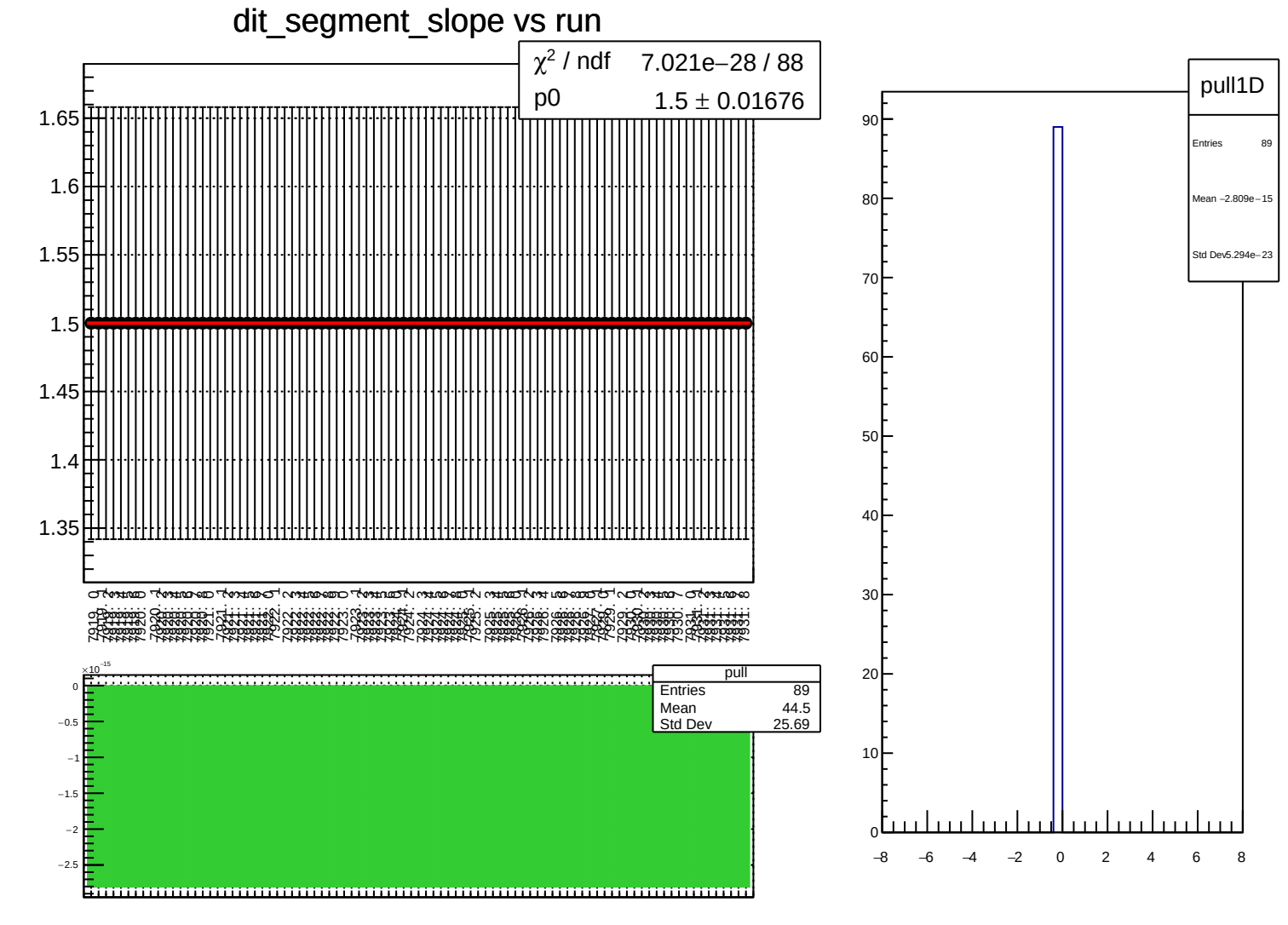
dit_segment_slope vs run
χ² / ndf 7.021e−28 / 88
p0 1.5 ± 0.01676
1.65
1.6
1.55
1.5
1.45
1.4
1.35
pull
Entries 89
Mean 44.5
Std Dev 25.69
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 89
Mean −2.809e−15
Std Dev 5.294e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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6
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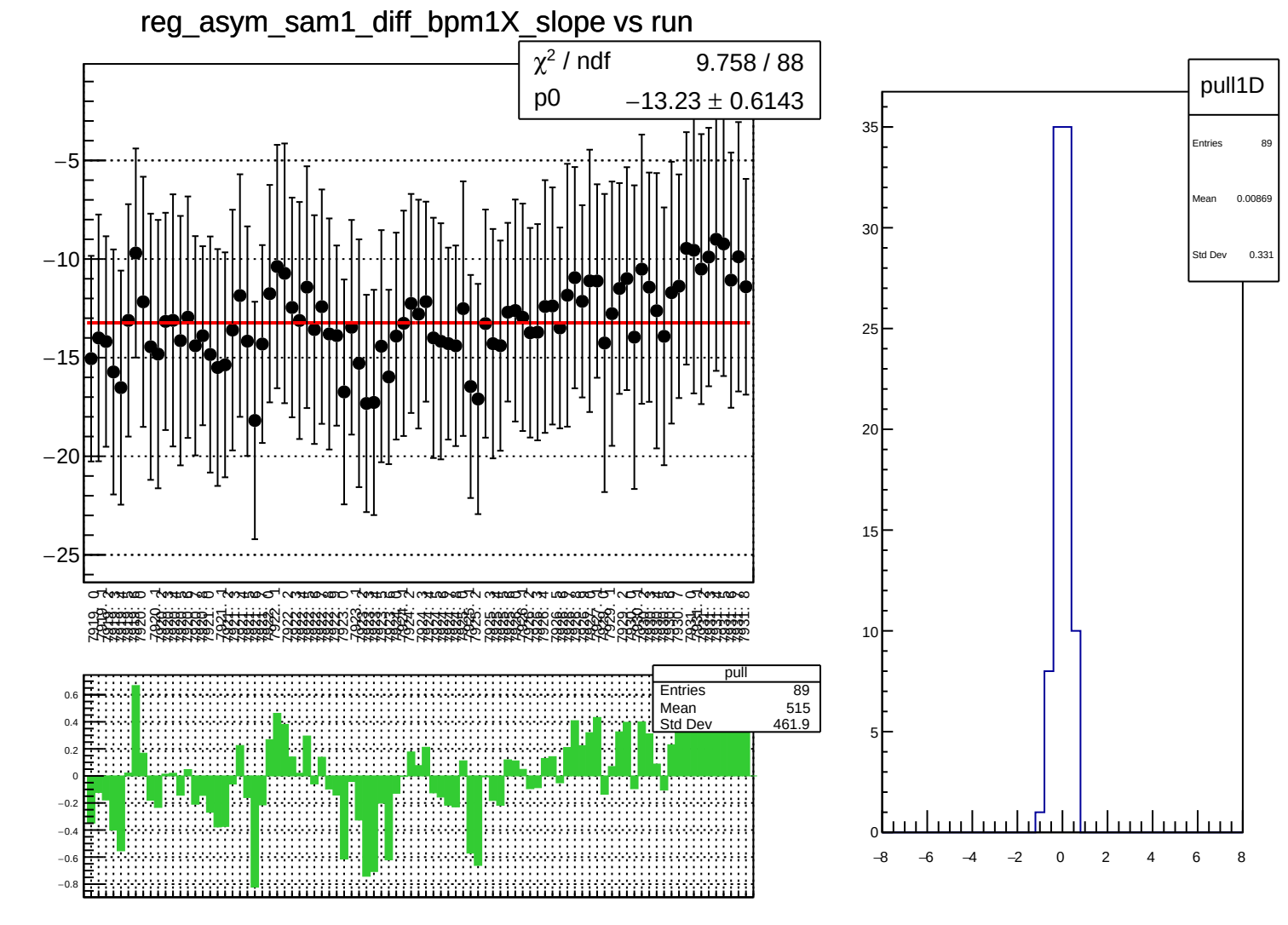
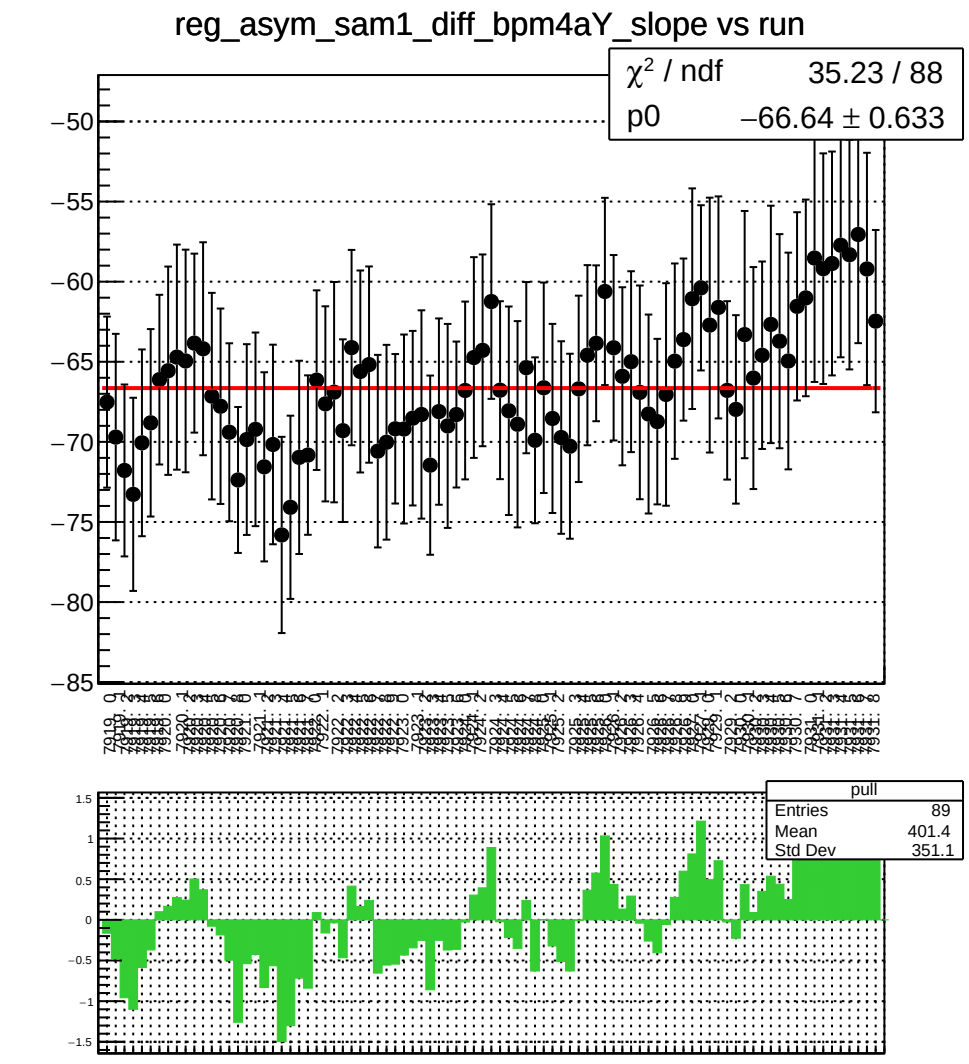
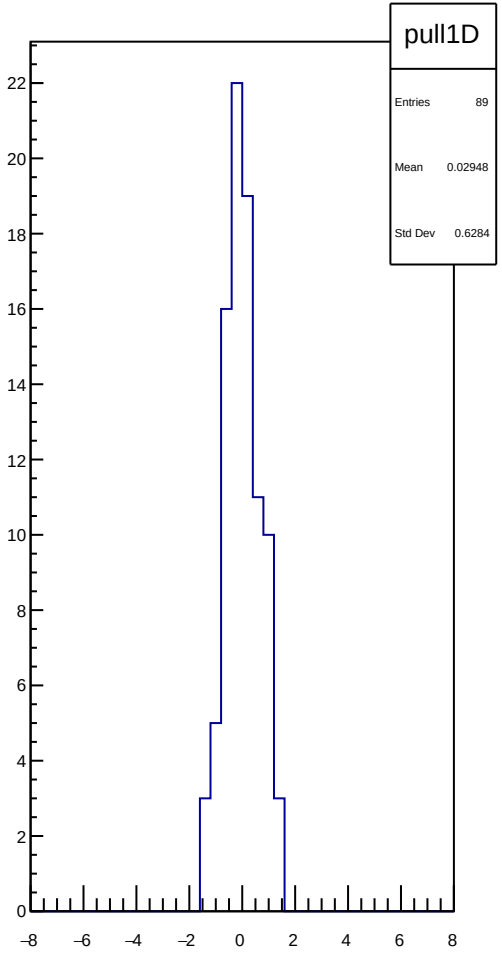
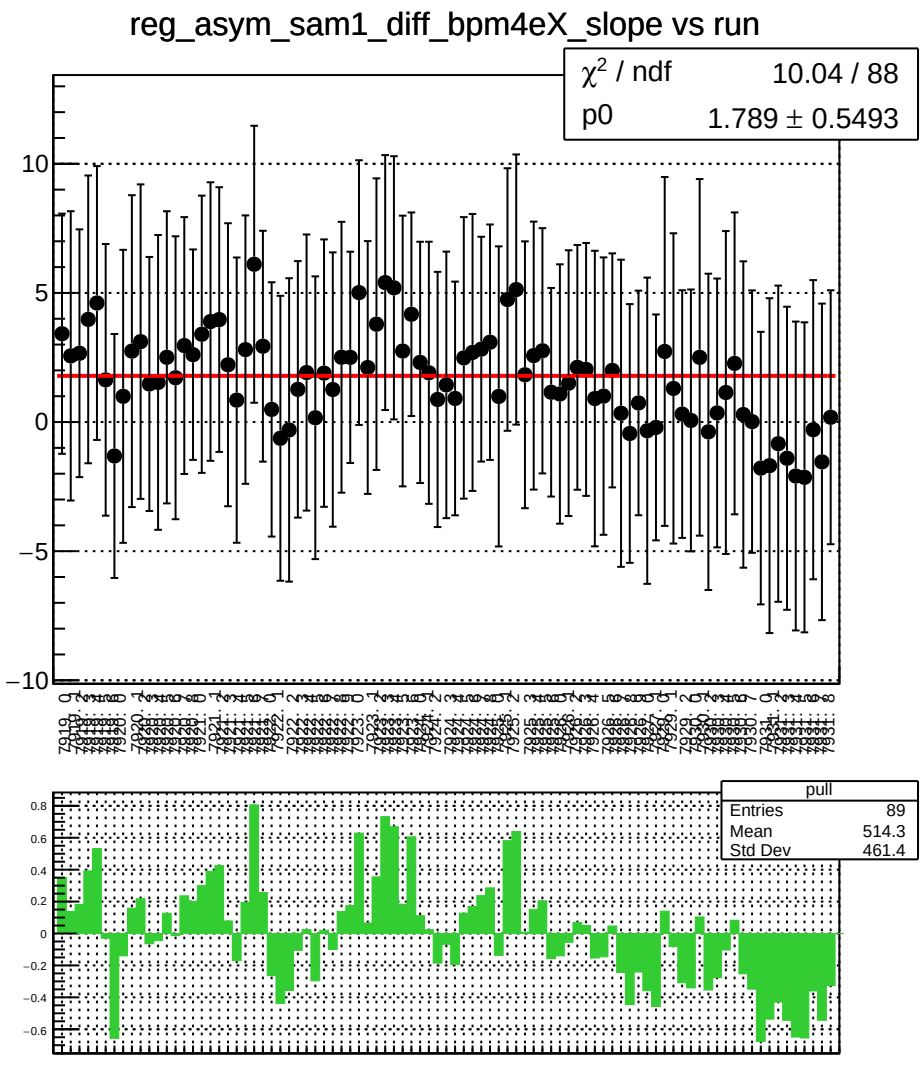
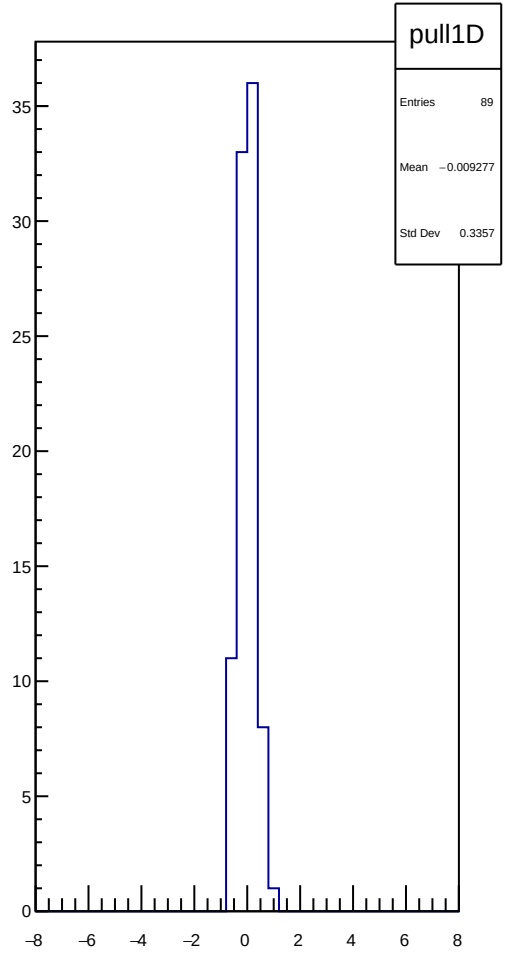
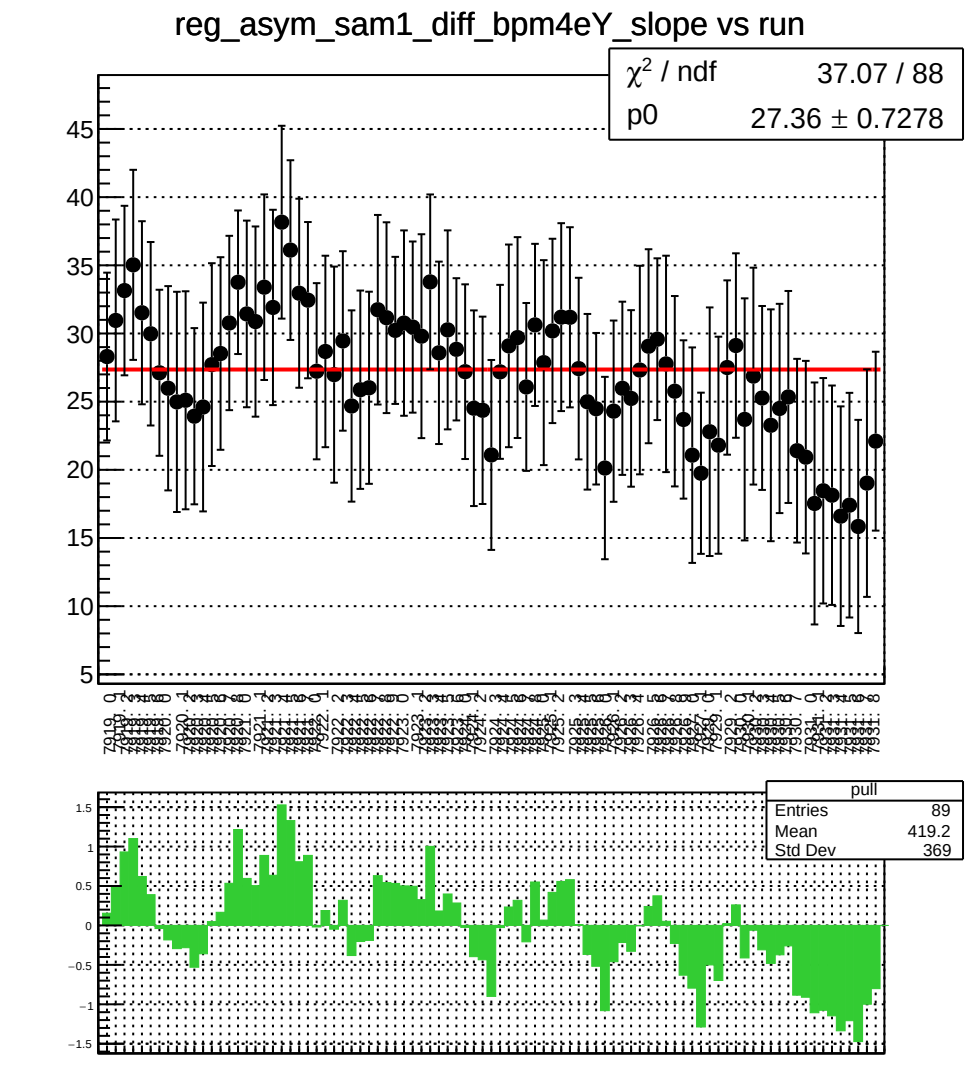

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 9.758 / 88
p0 −13.23 ± 0.6143
pull
Entries 89
Mean 515
Std Dev 461.9
pull1D
Entries 89
Mean 0.00869
Std Dev 0.331

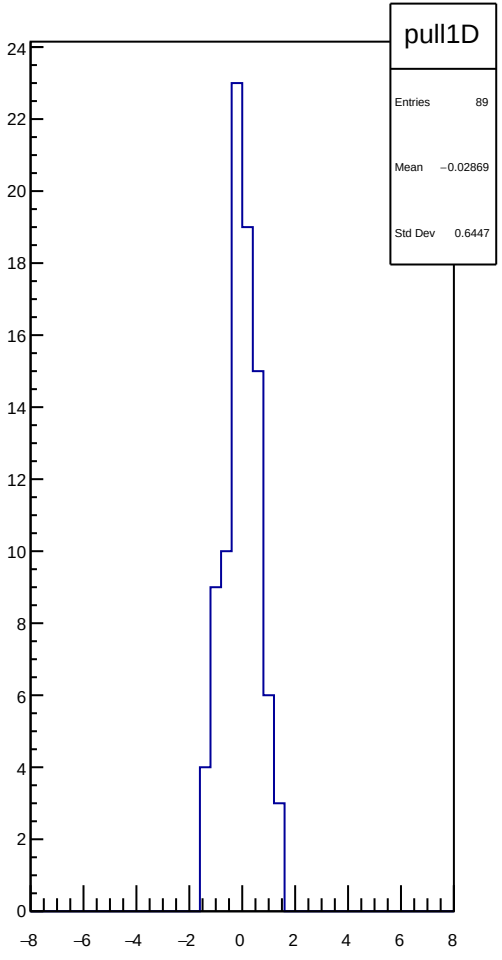

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 35.23 / 88
p0 −66.64 ± 0.633
pull
Entries 89
Mean 401.4
Std Dev 351.1

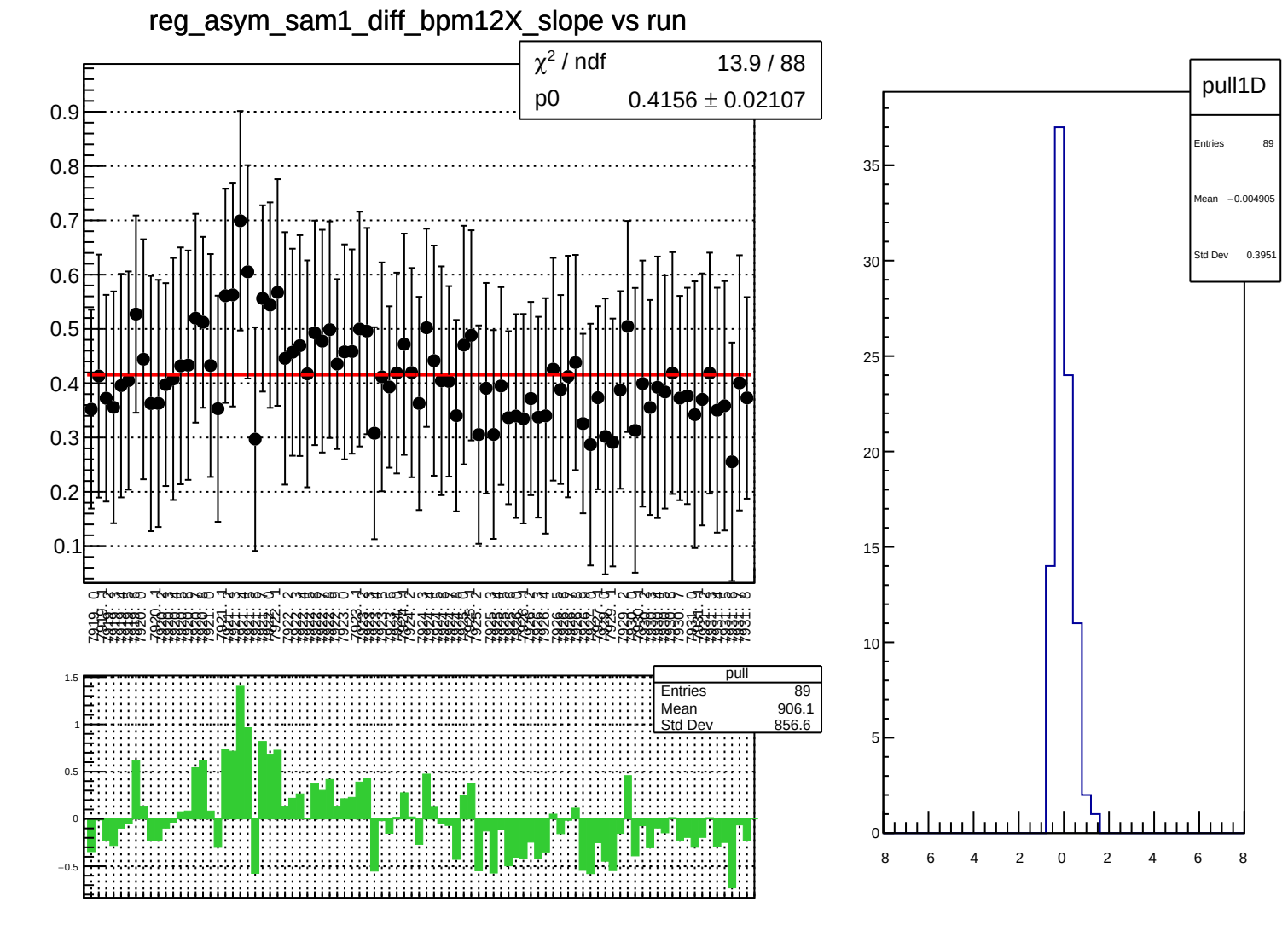

pull1D
Entries 89
Mean 0.02948
Std Dev 0.6284

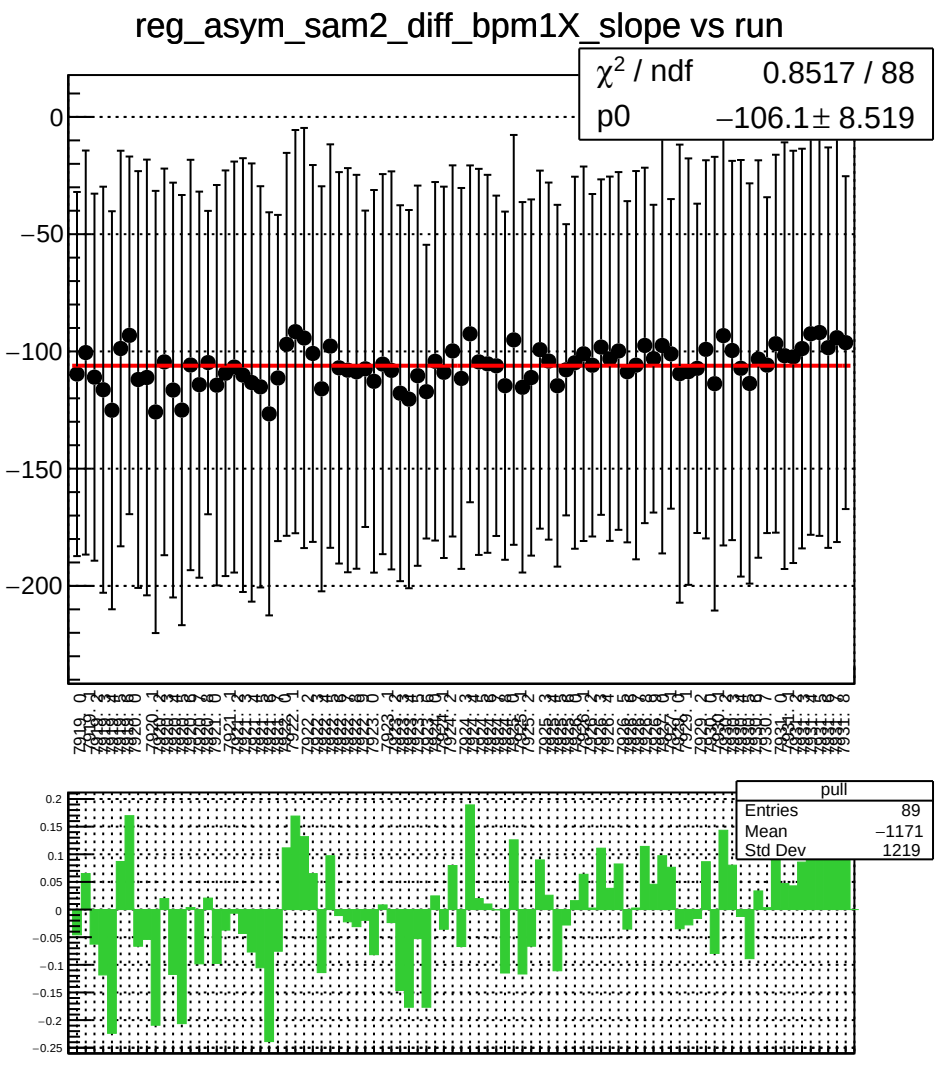

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 10.04 / 88
p0 1.789 ± 0.5493
pull
Entries 89
Mean 514.3
Std Dev 461.4

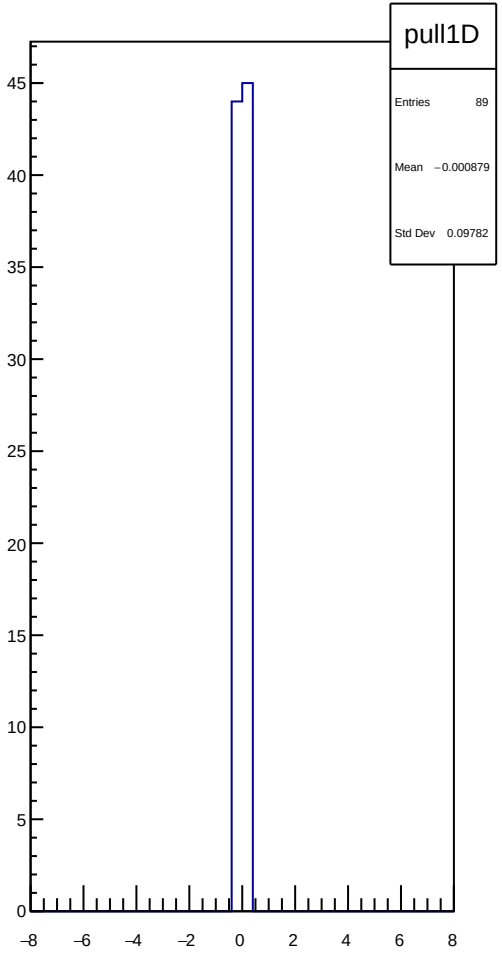

pull1D
Entries 89
Mean −0.009277
Std Dev 0.3357

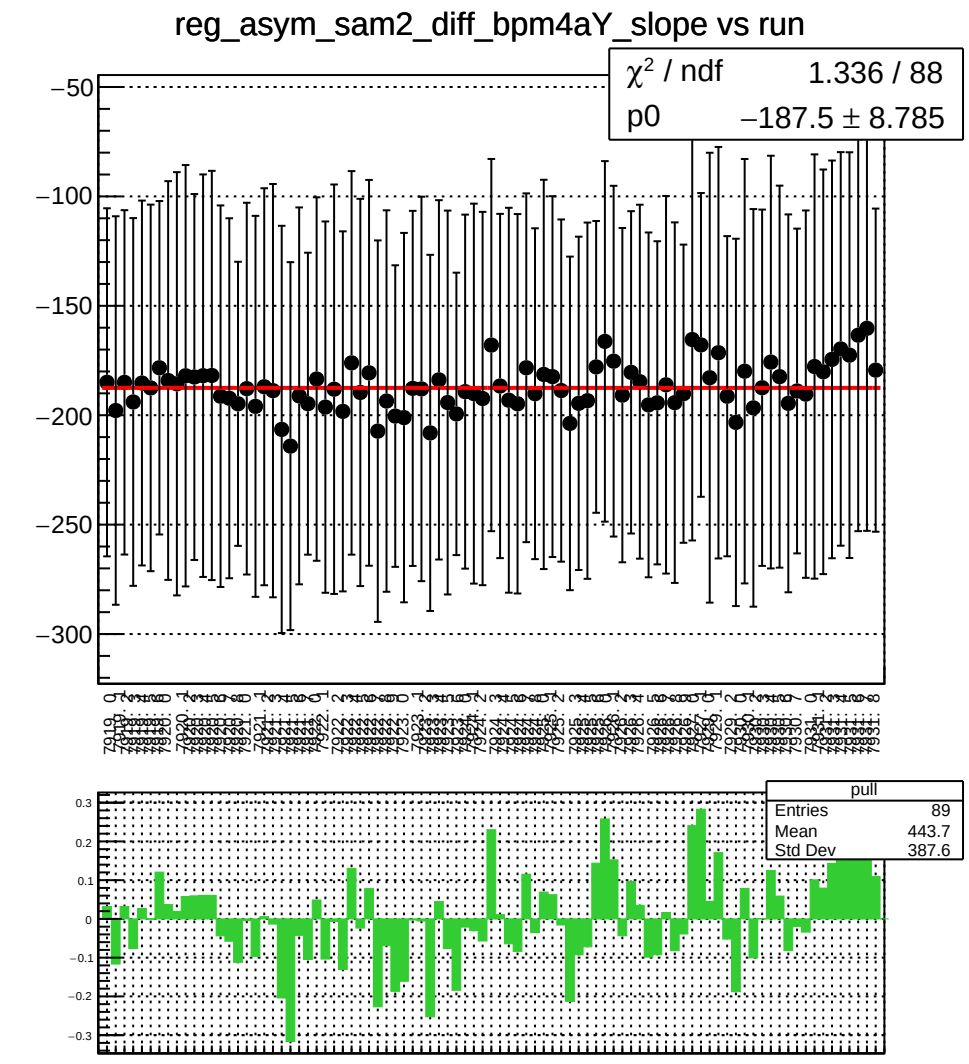

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 37.07 / 88
p0 27.36 ± 0.7278
pull
Entries 89
Mean 419.2
Std Dev 369

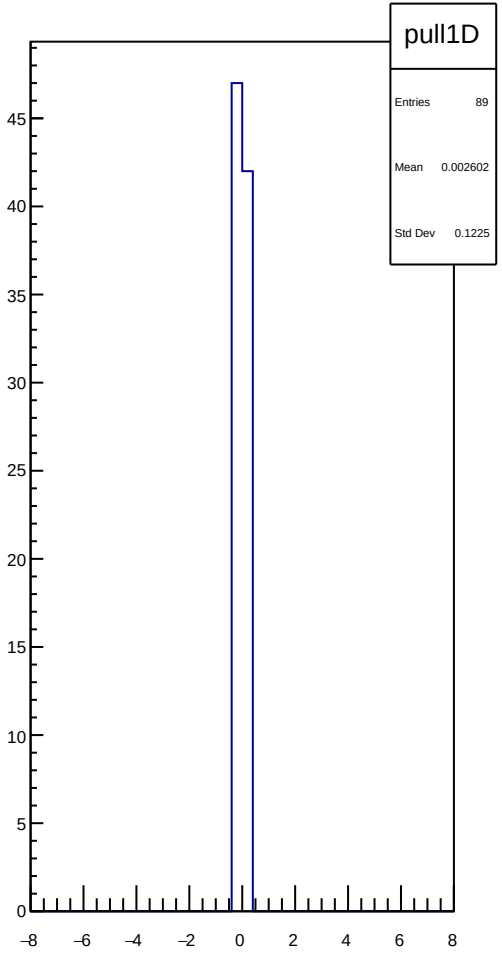

pull1D
Entries 89
Mean −0.02869
Std Dev 0.6447

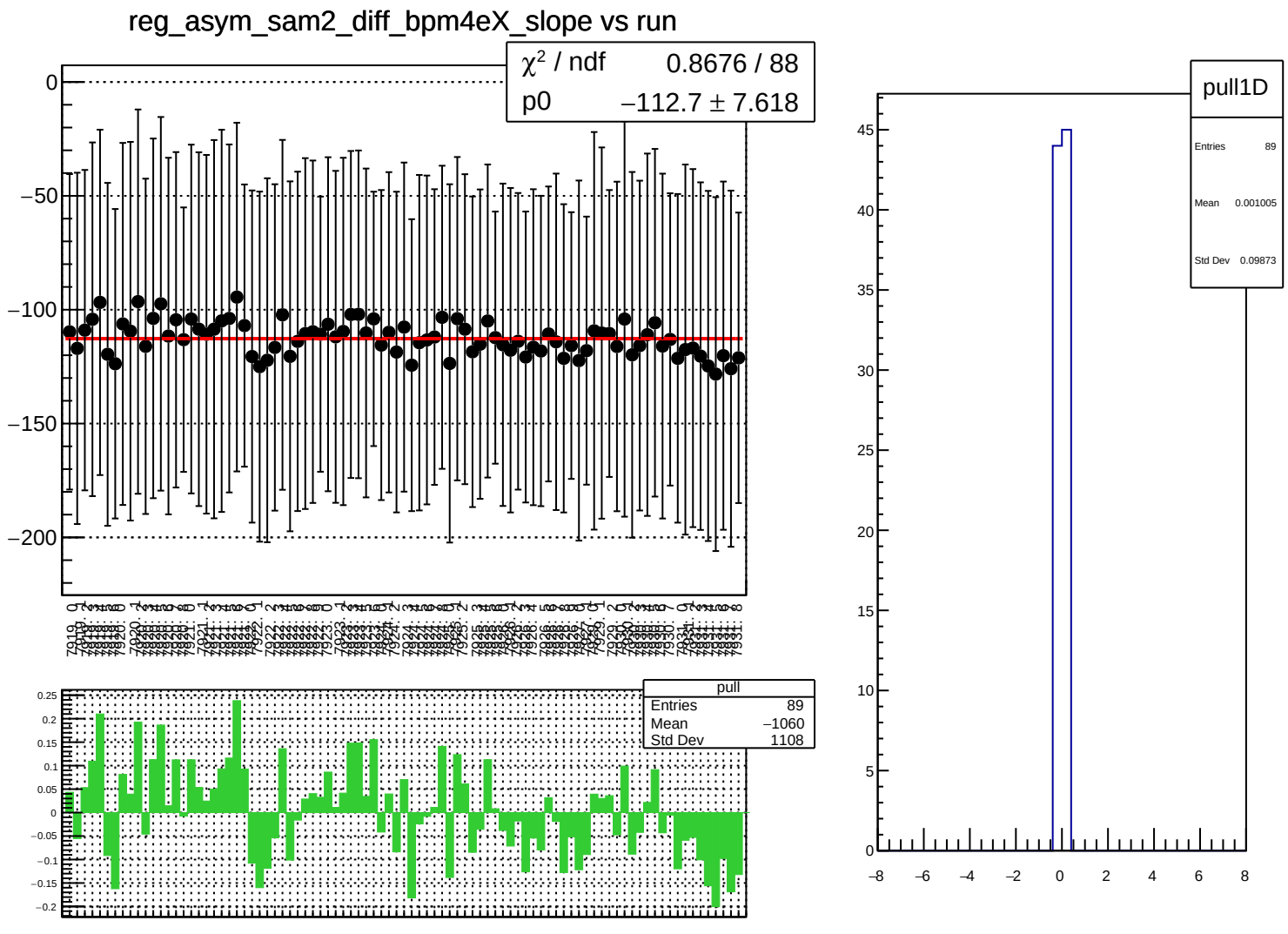

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 13.9 / 88
p0 0.4156 ± 0.02107
pull
Entries 89
Mean 906.1
Std Dev 856.6
pull1D
Entries 89
Mean −0.004905
Std Dev 0.3951

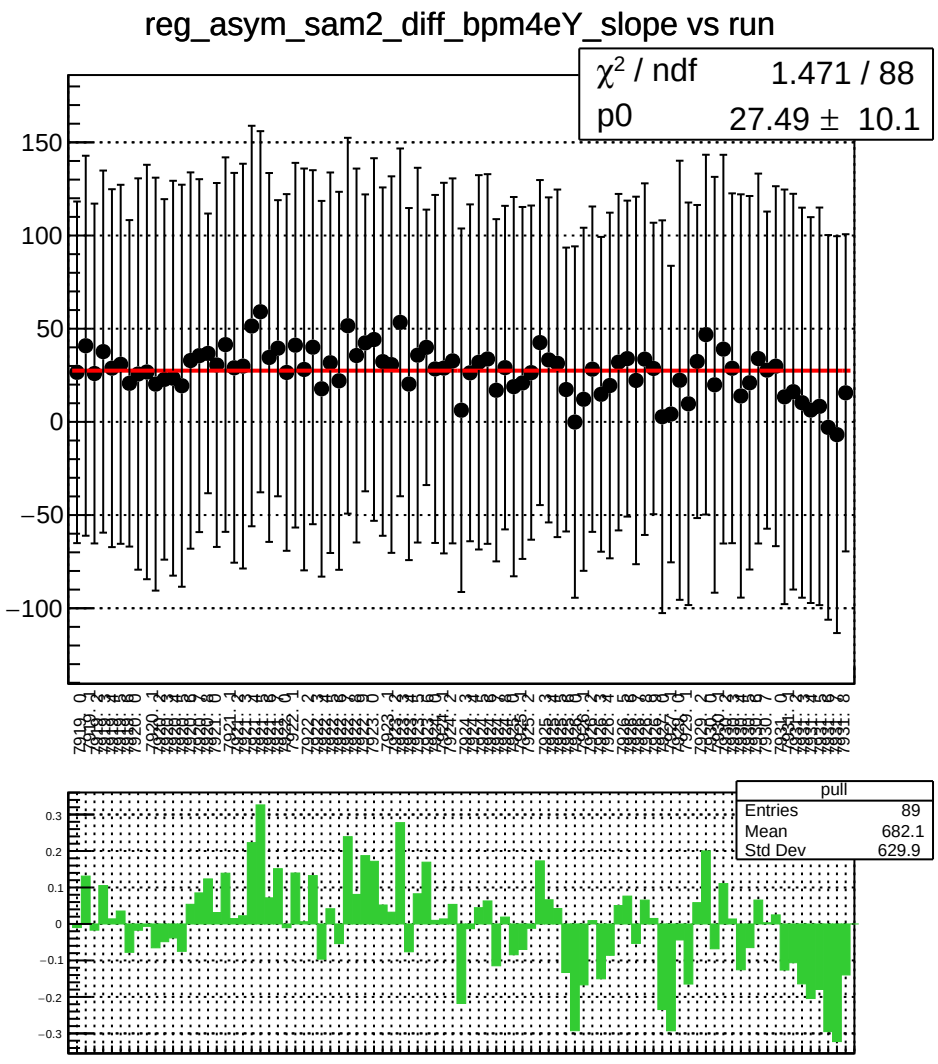

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 0.8517 / 88
p0 −106.1± 8.519
pull
Entries 89
Mean −1171
Std Dev 1219

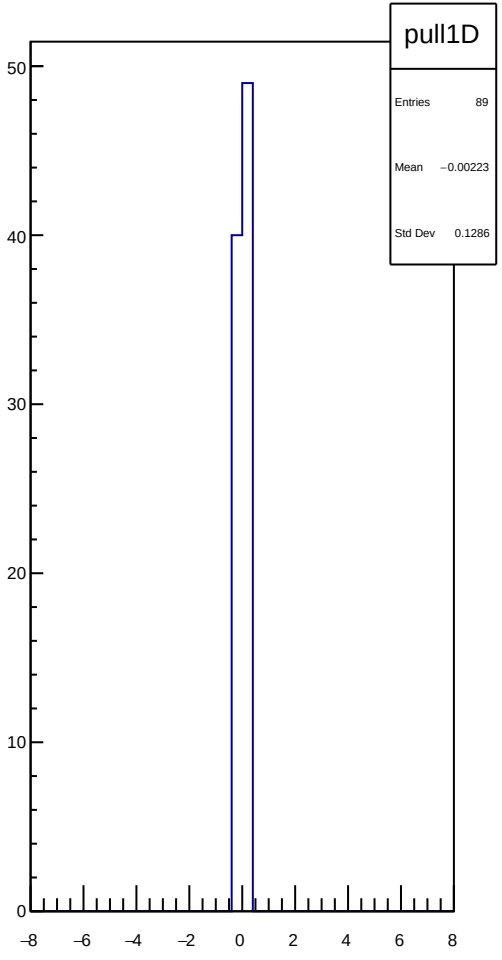

pull1D
Entries 89
Mean −0.000879
Std Dev 0.09782

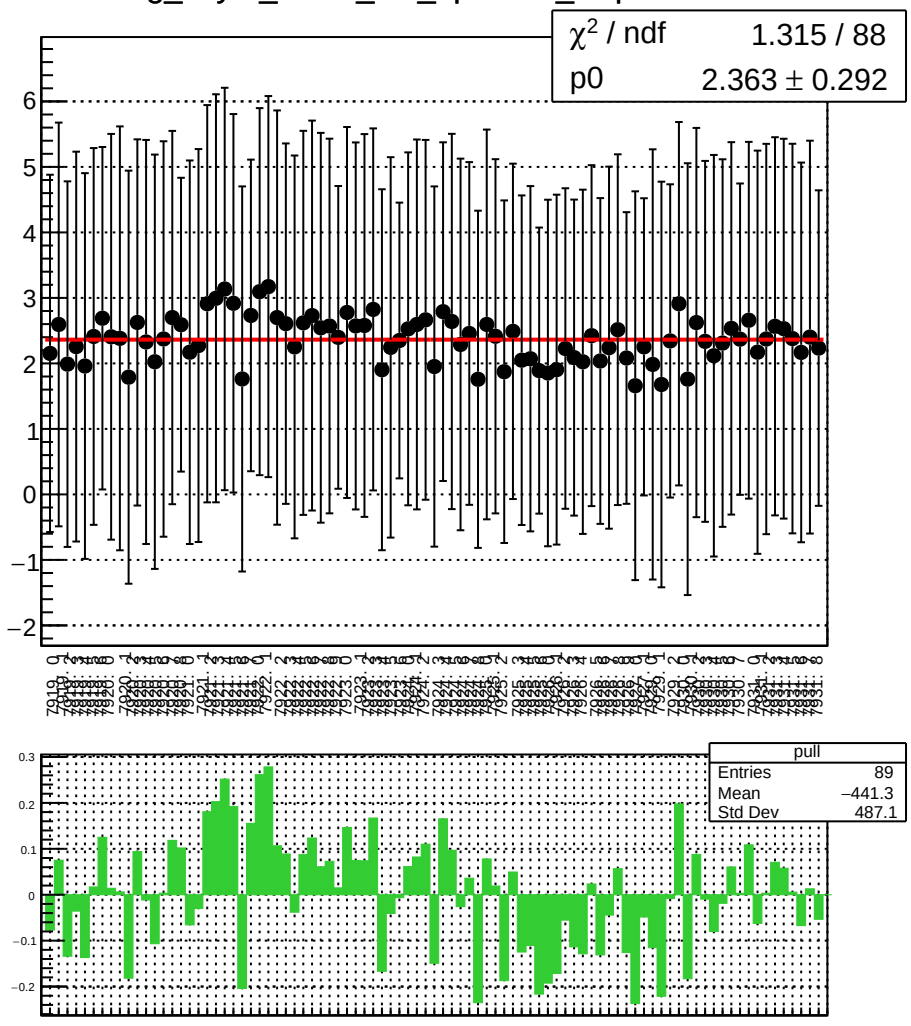

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.336 / 88
p0 −187.5 ± 8.785
pull
Entries 89
Mean 443.7
Std Dev 387.6

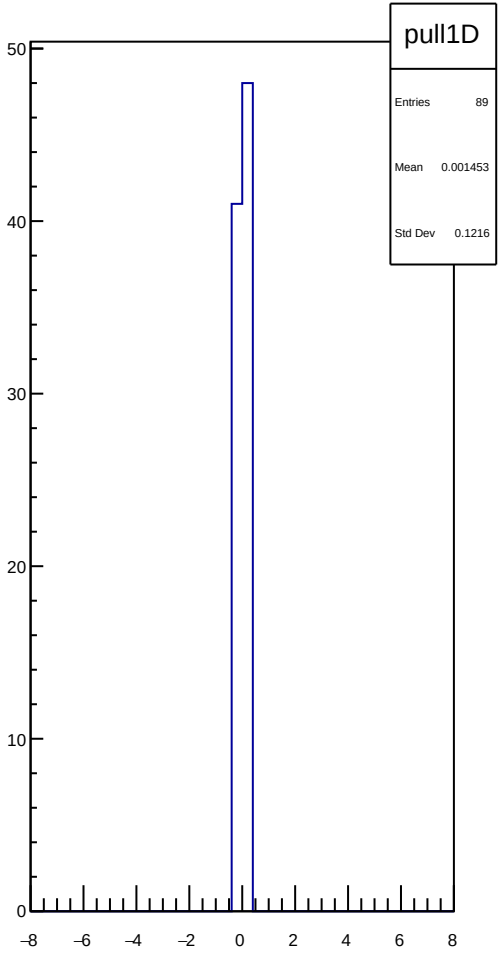

pull1D
Entries 89
Mean 0.002602
Std Dev 0.1225

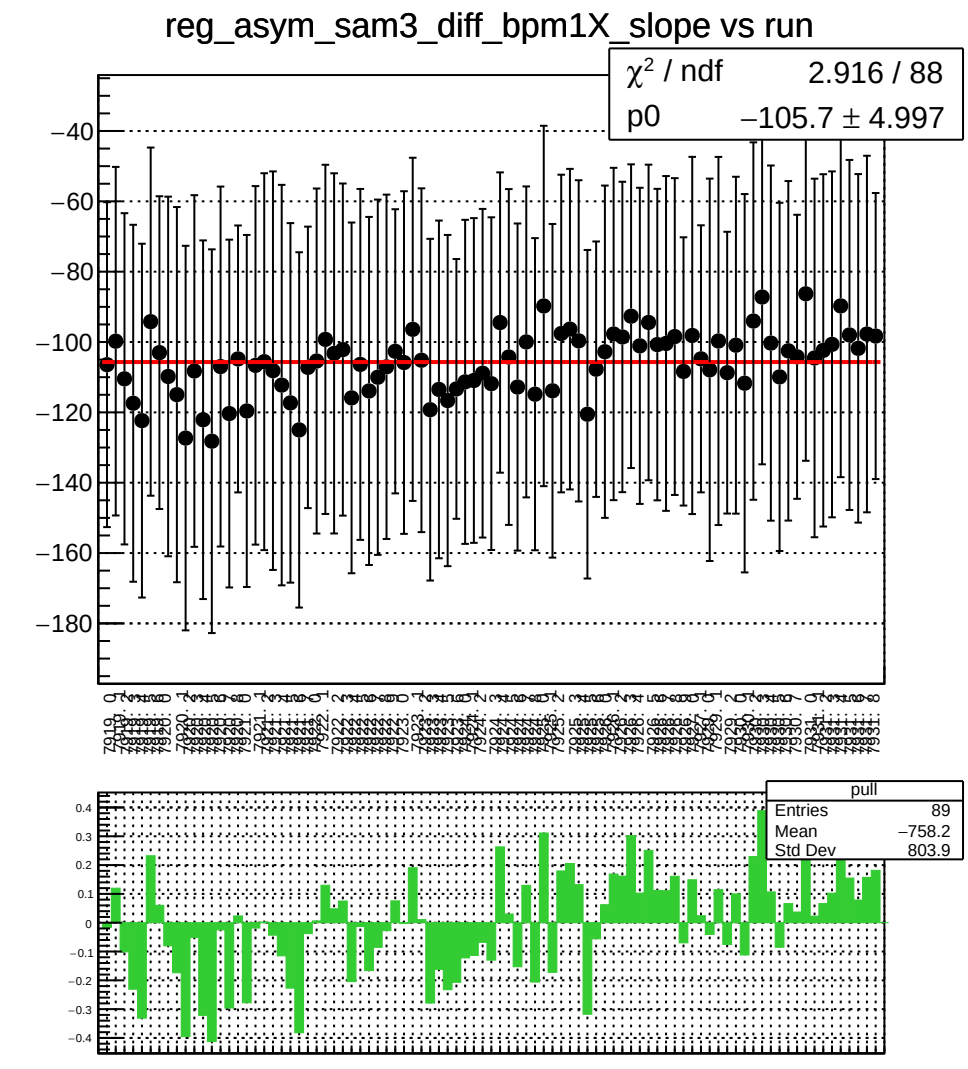

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.8676 / 88
p0 −112.7 ± 7.618
pull
Entries 89
Mean −1060
Std Dev 1108
pull1D
Entries 89
Mean 0.001005
Std Dev 0.09873

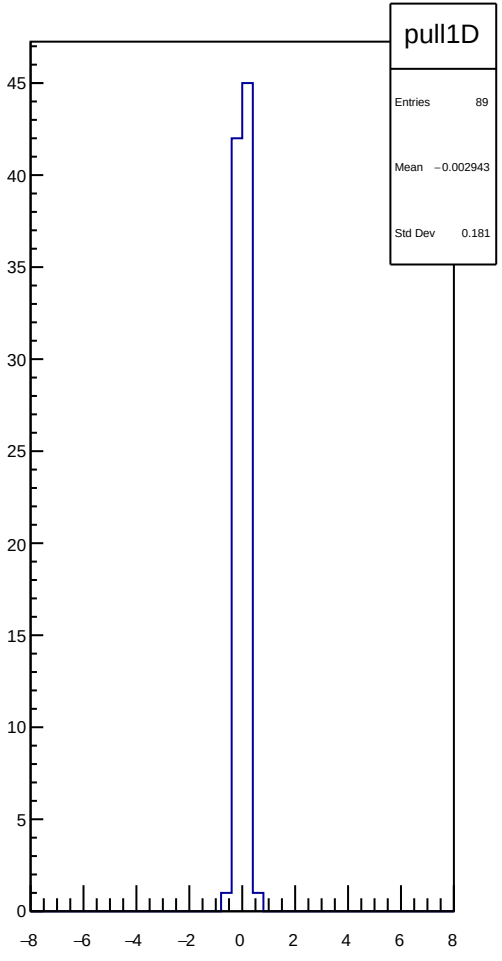

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.471 / 88
p0 27.49 ± 10.1
pull
Entries 89
Mean 682.1
Std Dev 629.9

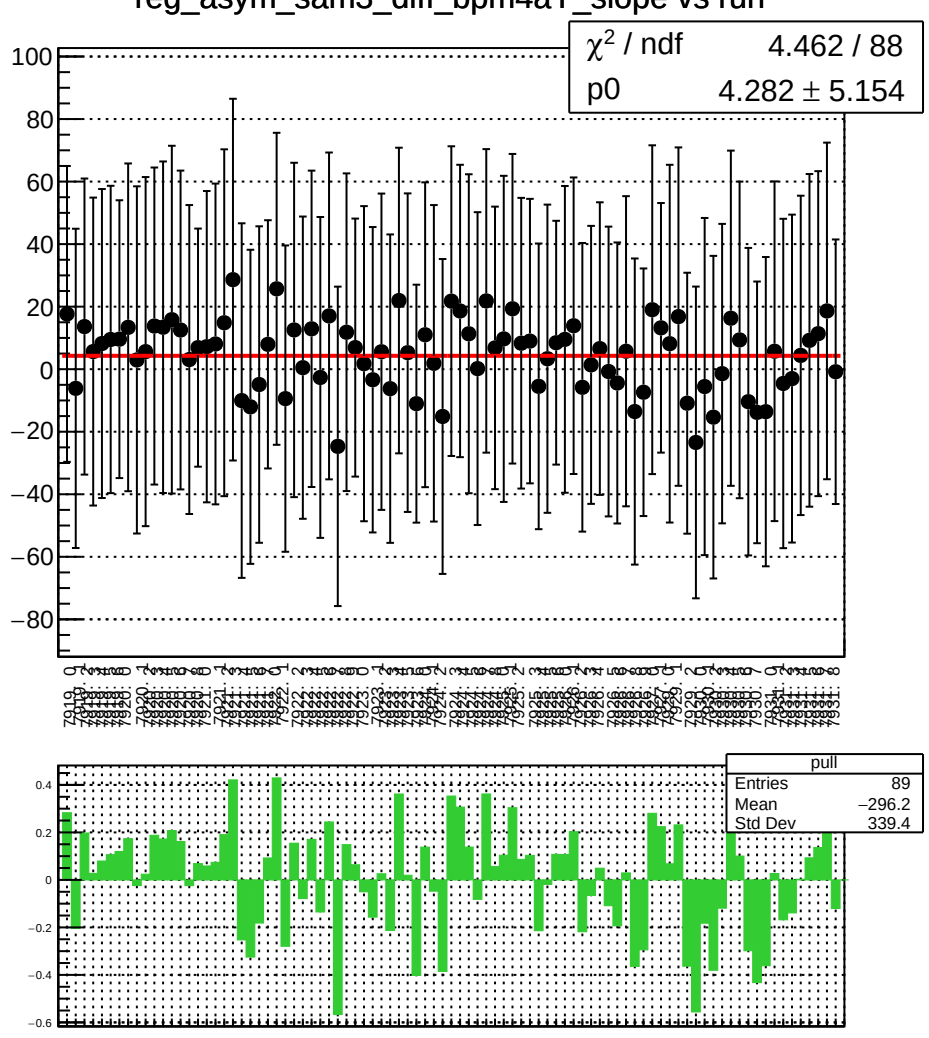

pull1D
Entries 89
Mean −0.00223
Std Dev 0.1286

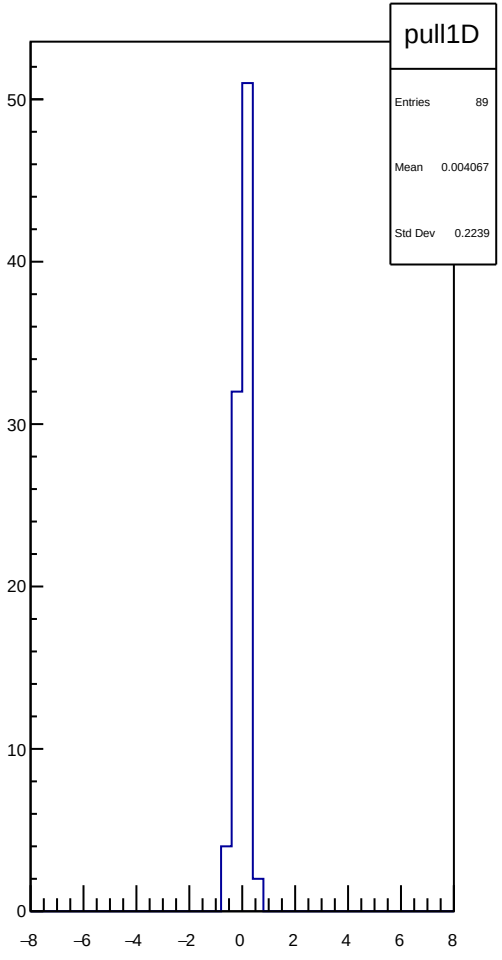

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 1.315 / 88
p0 2.363 ± 0.292
pull
Entries 89
Mean −441.3
Std Dev 487.1

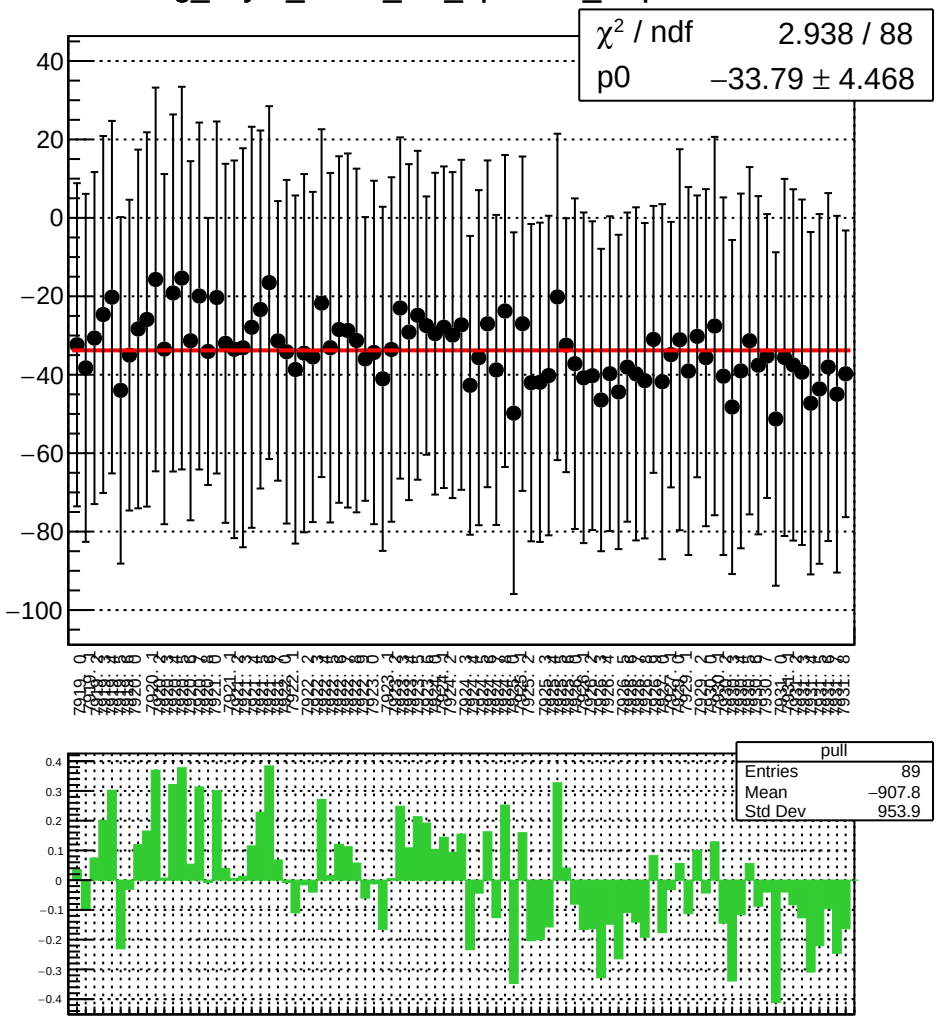

pull1D
Entries 89
Mean 0.001453
Std Dev 0.1216

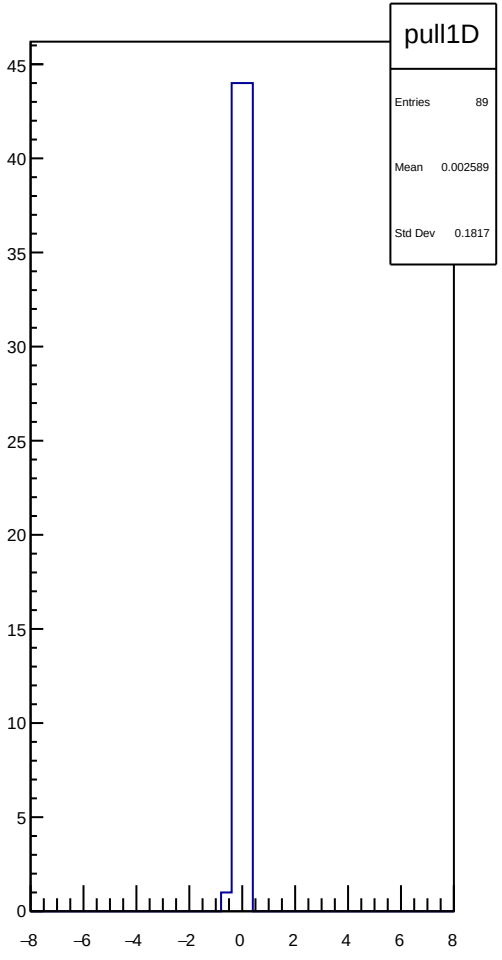

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.916 / 88
p0 −105.7 ± 4.997
pull
Entries 89
Mean −758.2
Std Dev 803.9

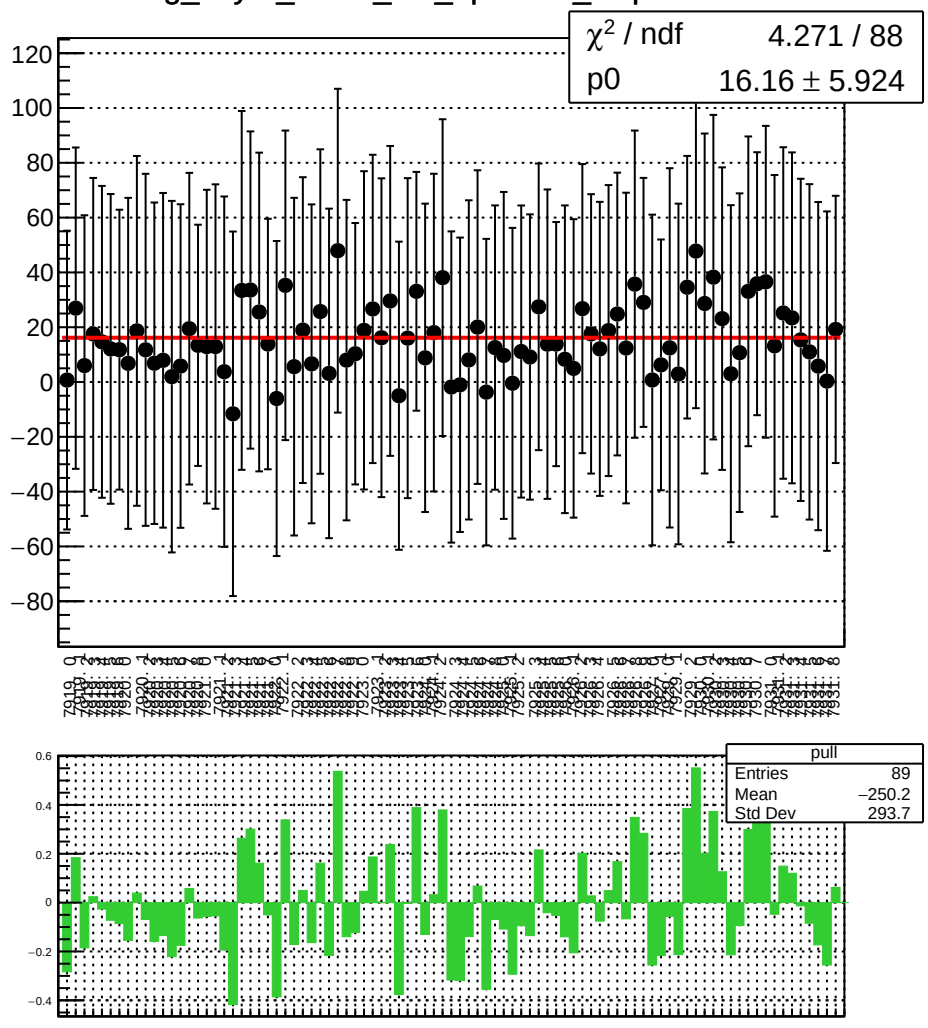

pull1D
Entries 89
Mean −0.002943
Std Dev 0.181

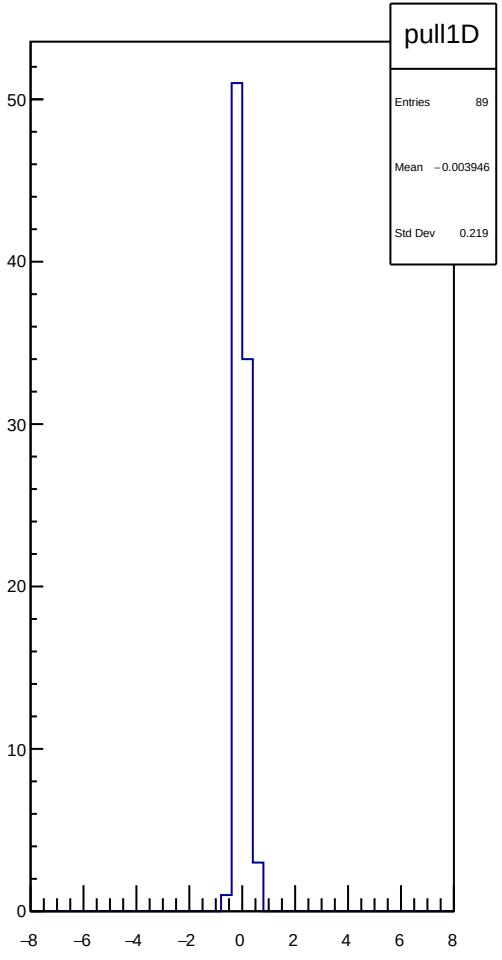

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.462 / 88
p0 4.282 ± 5.154
pull
Entries 89
Mean −296.2
Std Dev 339.4

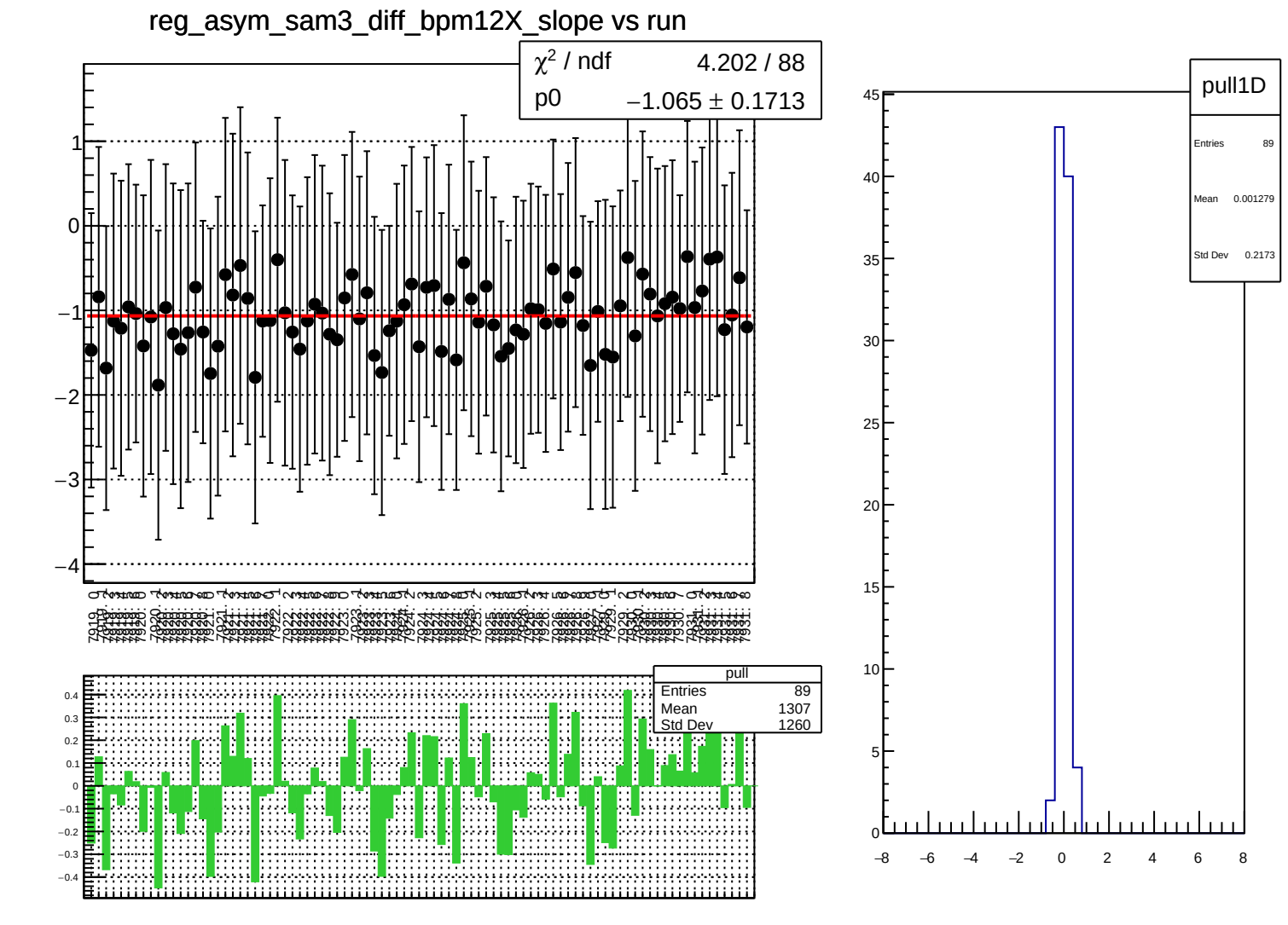

pull1D
Entries 89
Mean 0.004067
Std Dev 0.2239

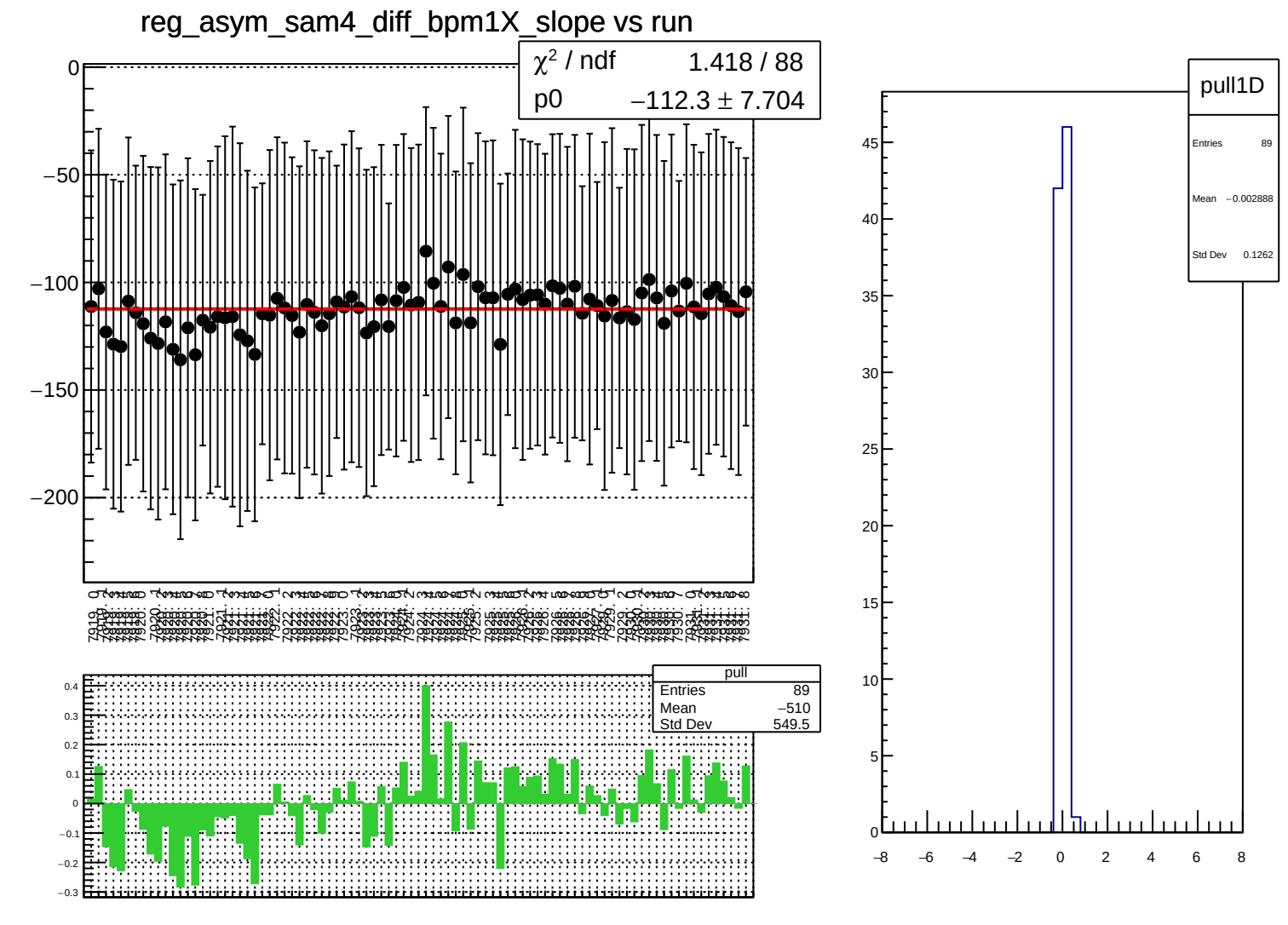

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.938 / 88
p0 −33.79 ± 4.468
pull
Entries 89
Mean −907.8
Std Dev 953.9

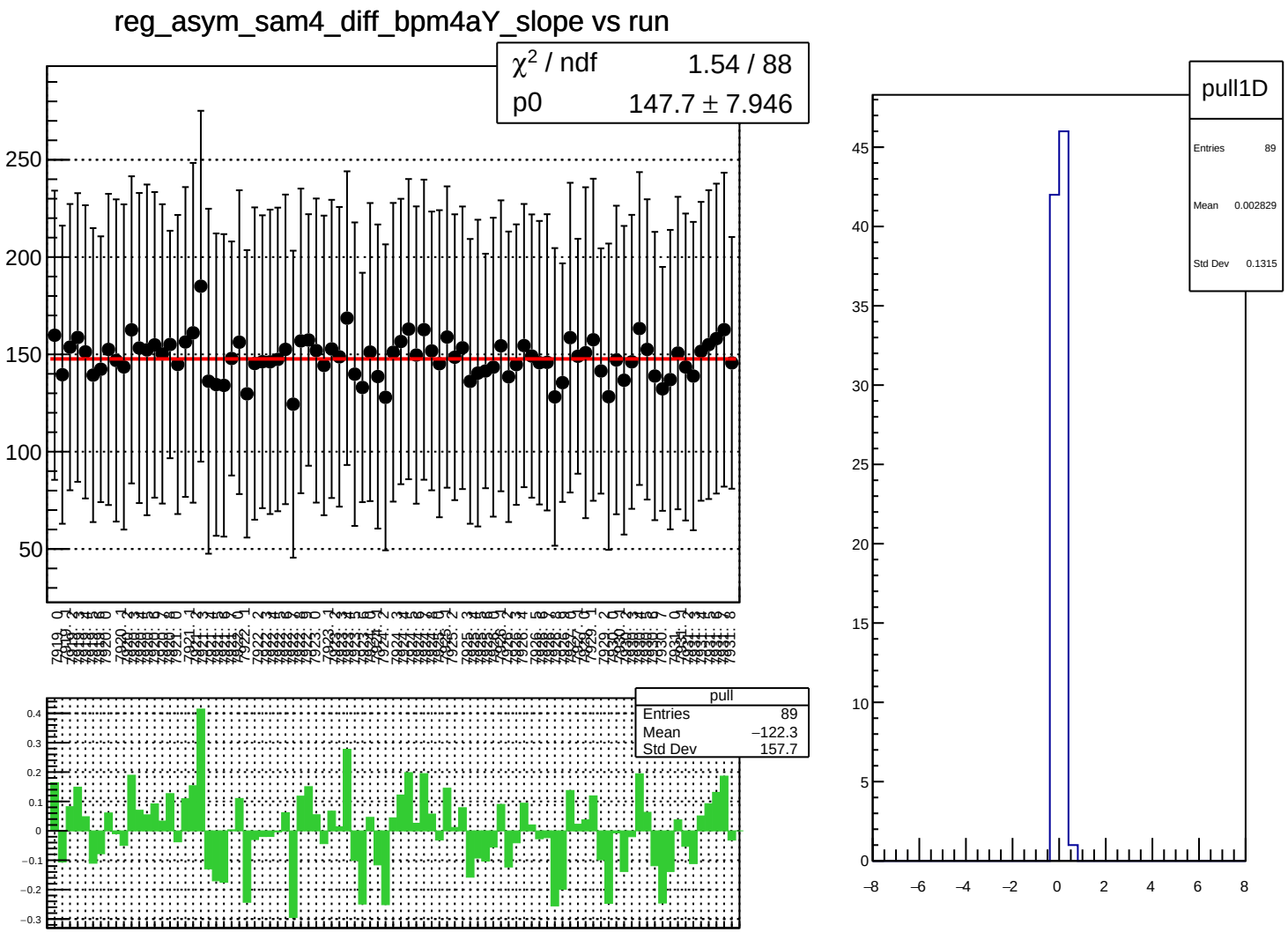

pull1D
Entries 89
Mean 0.002589
Std Dev 0.1817

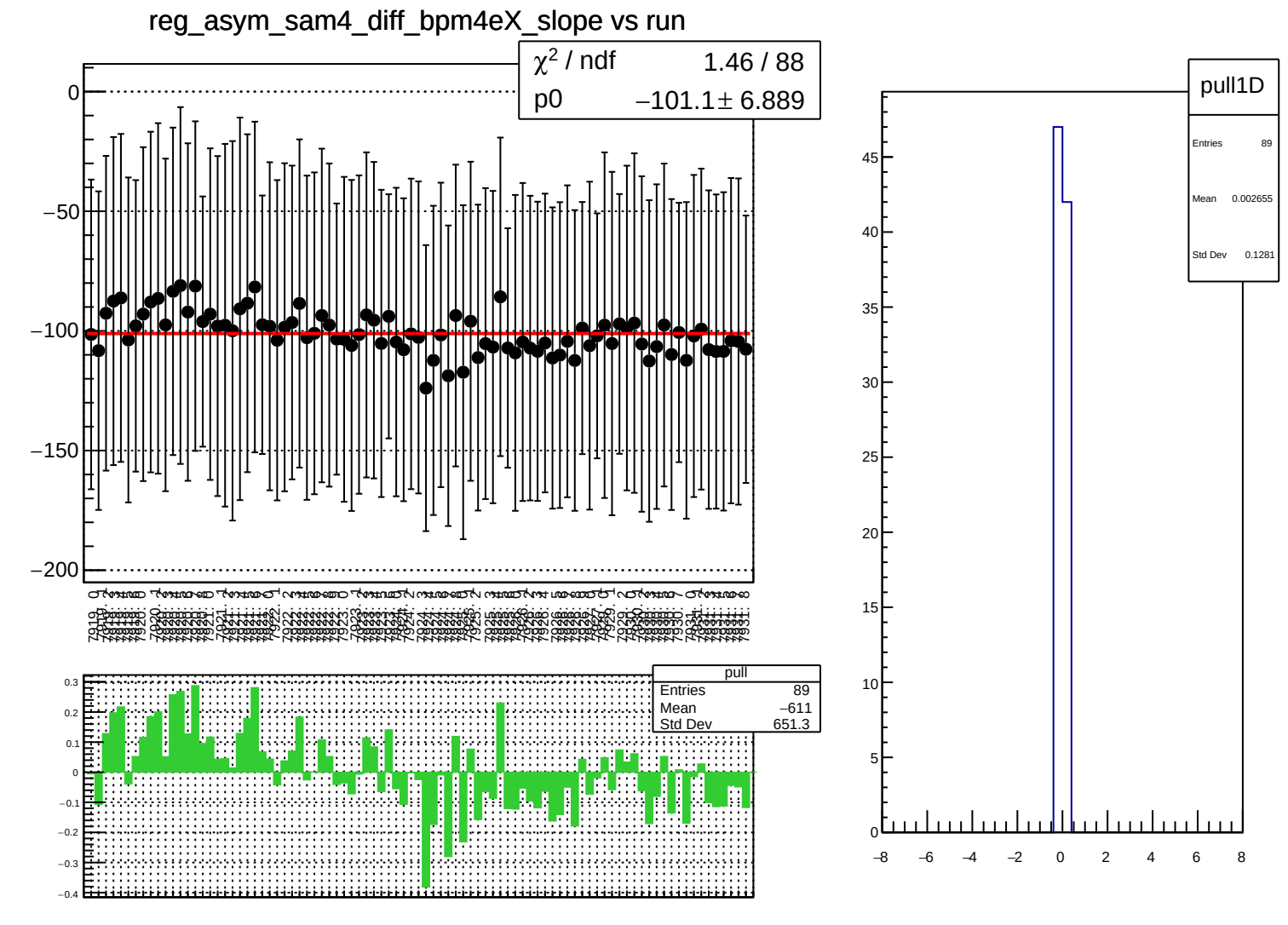

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.271 / 88
p0 16.16 ± 5.924
pull
Entries 89
Mean −250.2
Std Dev 293.7

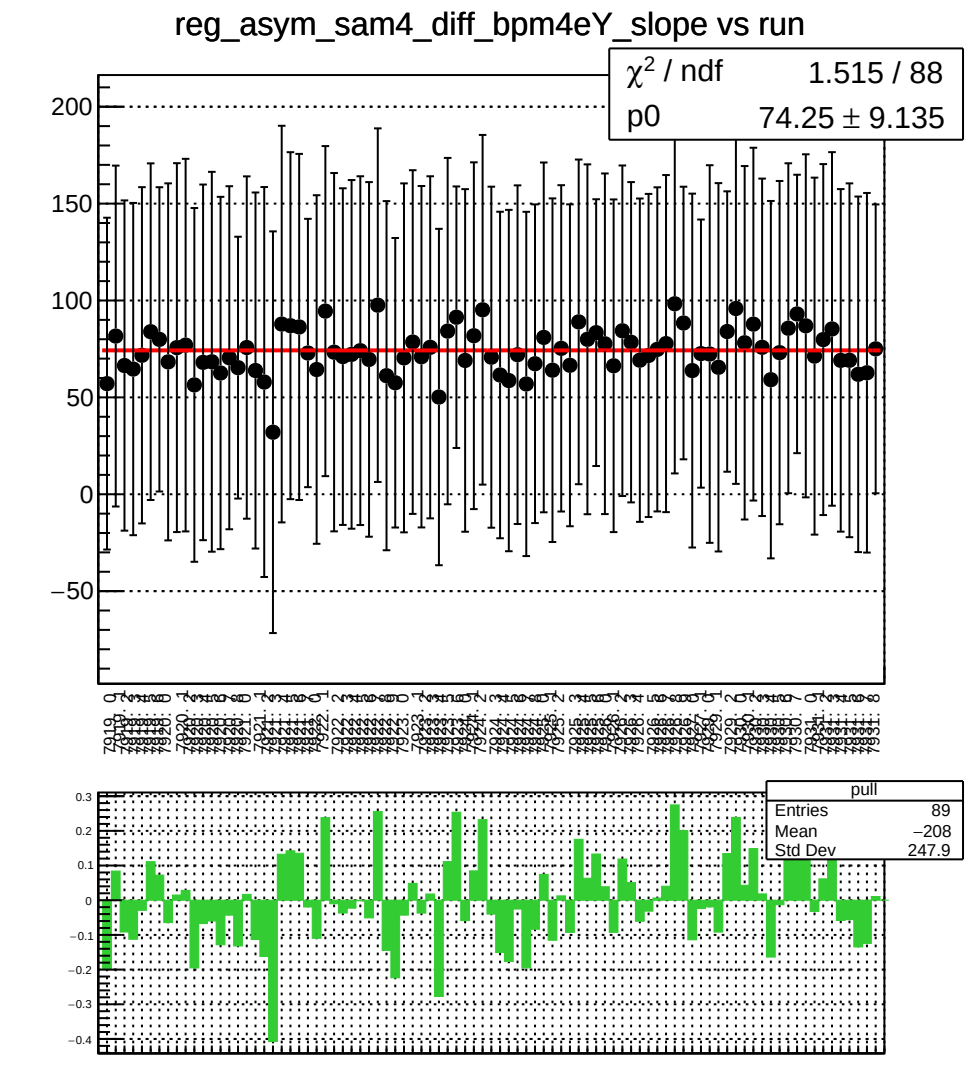

pull1D
Entries 89
Mean −0.003946
Std Dev 0.219

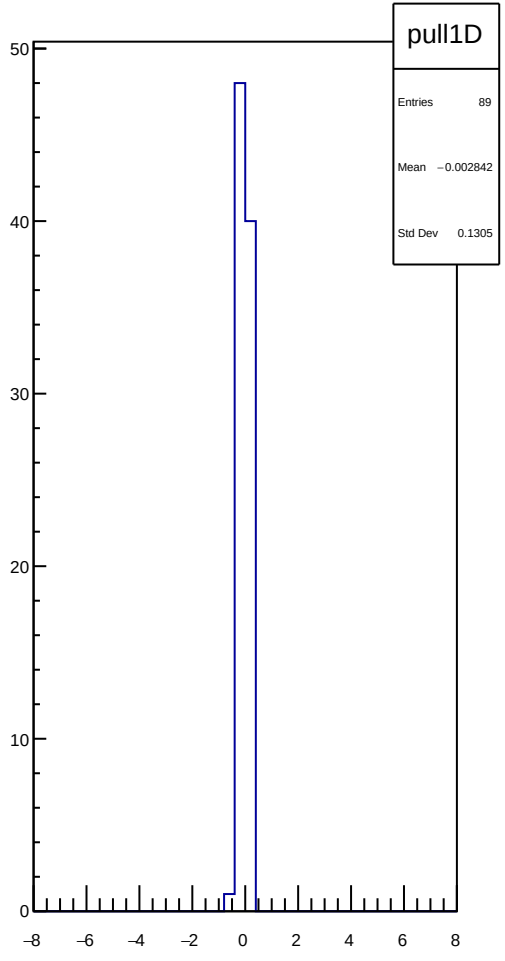

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 4.202 / 88
p0 −1.065 ± 0.1713
pull
Entries 89
Mean 1307
Std Dev 1260
pull1D
Entries 89
Mean 0.001279
Std Dev 0.2173

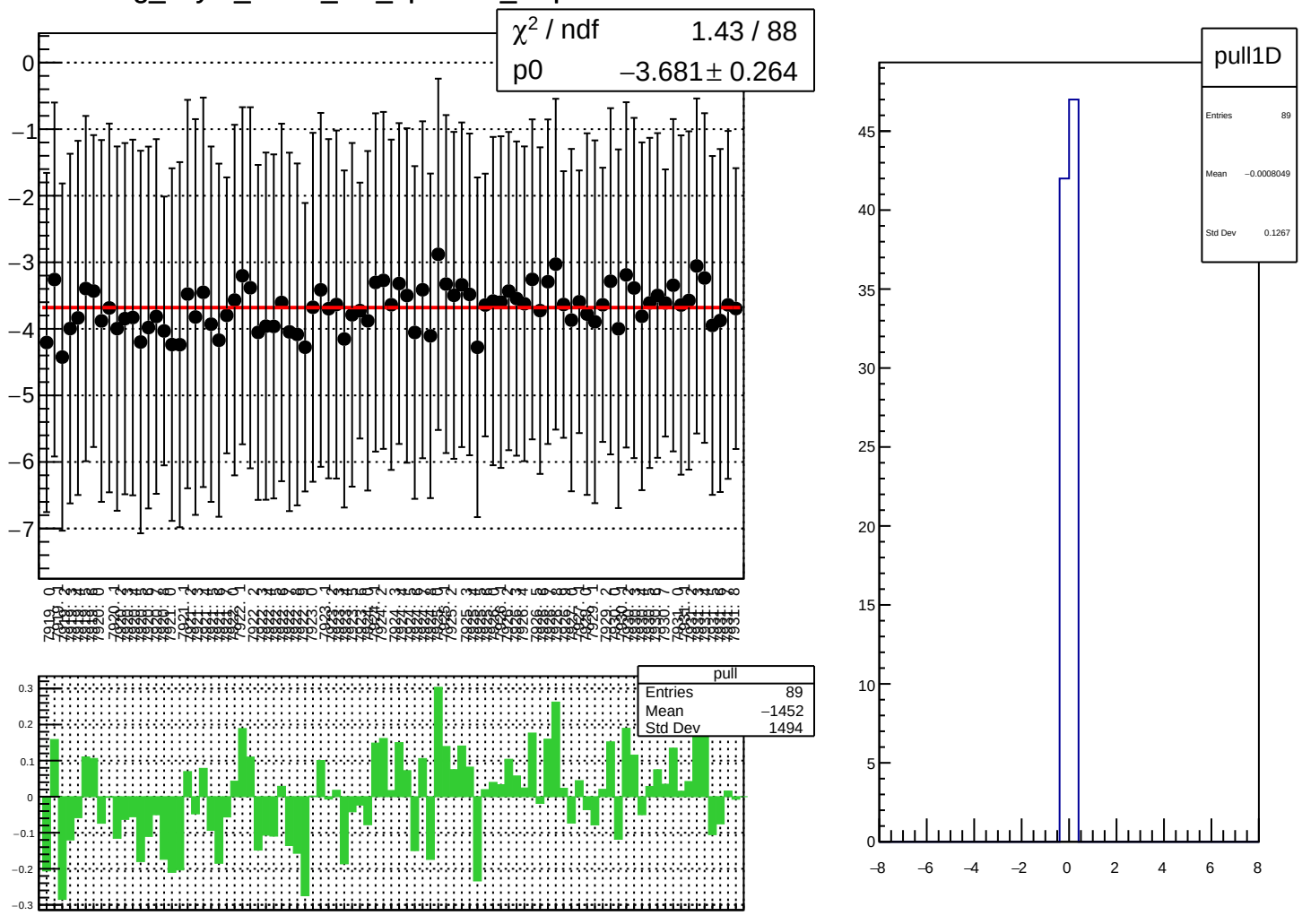

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.418 / 88
p0 −112.3 ± 7.704
pull
Entries 89
Mean −510
Std Dev 549.5
pull1D
Entries 89
Mean −0.002888
Std Dev 0.1262

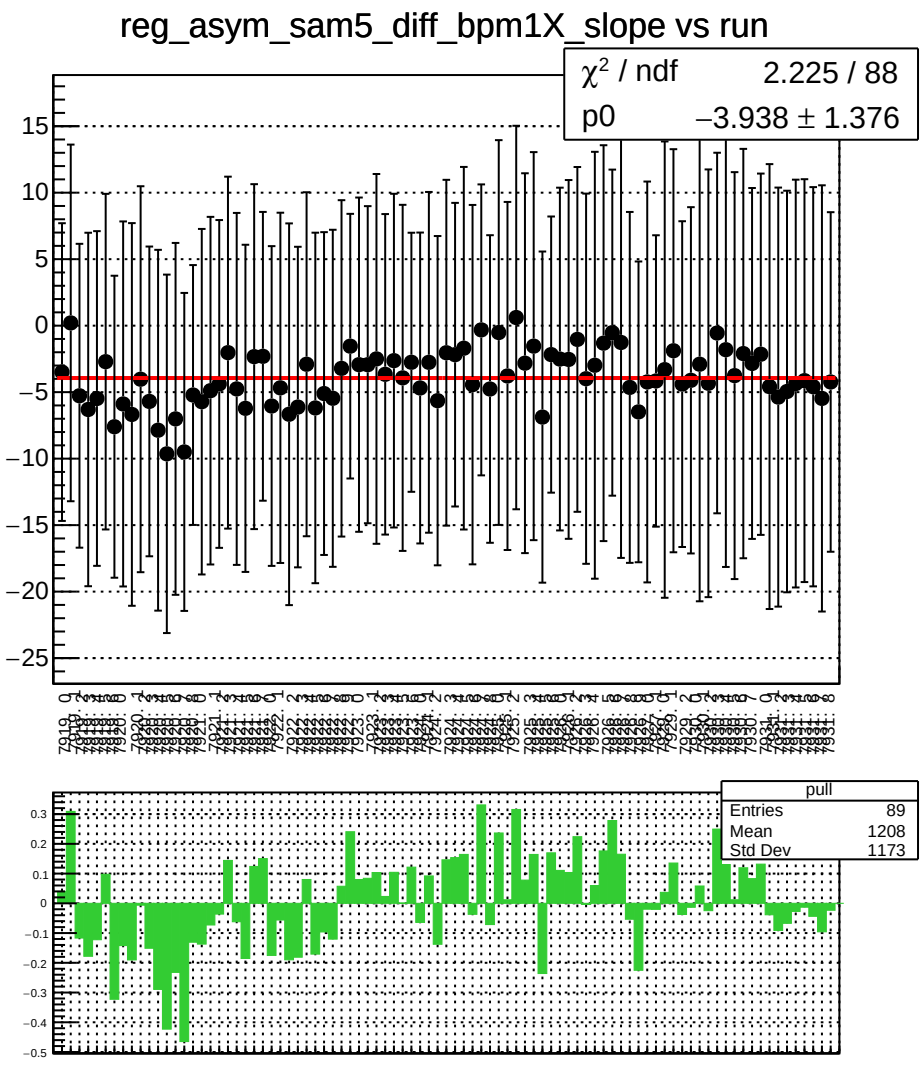

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.54 / 88
p0 147.7 ± 7.946
250
200
150
100
50
pull
Entries 89
Mean −122.3
Std Dev 157.7
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 89
Mean 0.002829
Std Dev 0.1315
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

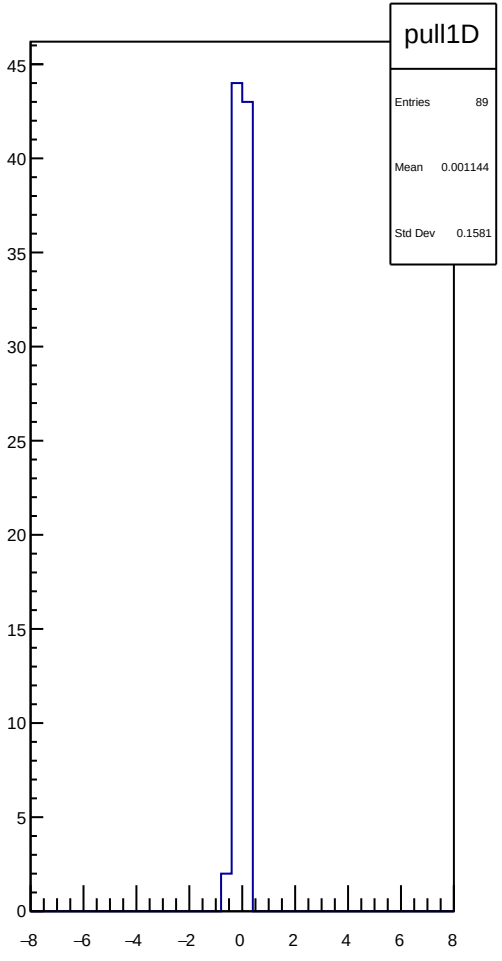

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.46 / 88
p0 −101.1± 6.889
pull
Entries 89
Mean −611
Std Dev 651.3
pull1D
Entries 89
Mean 0.002655
Std Dev 0.1281

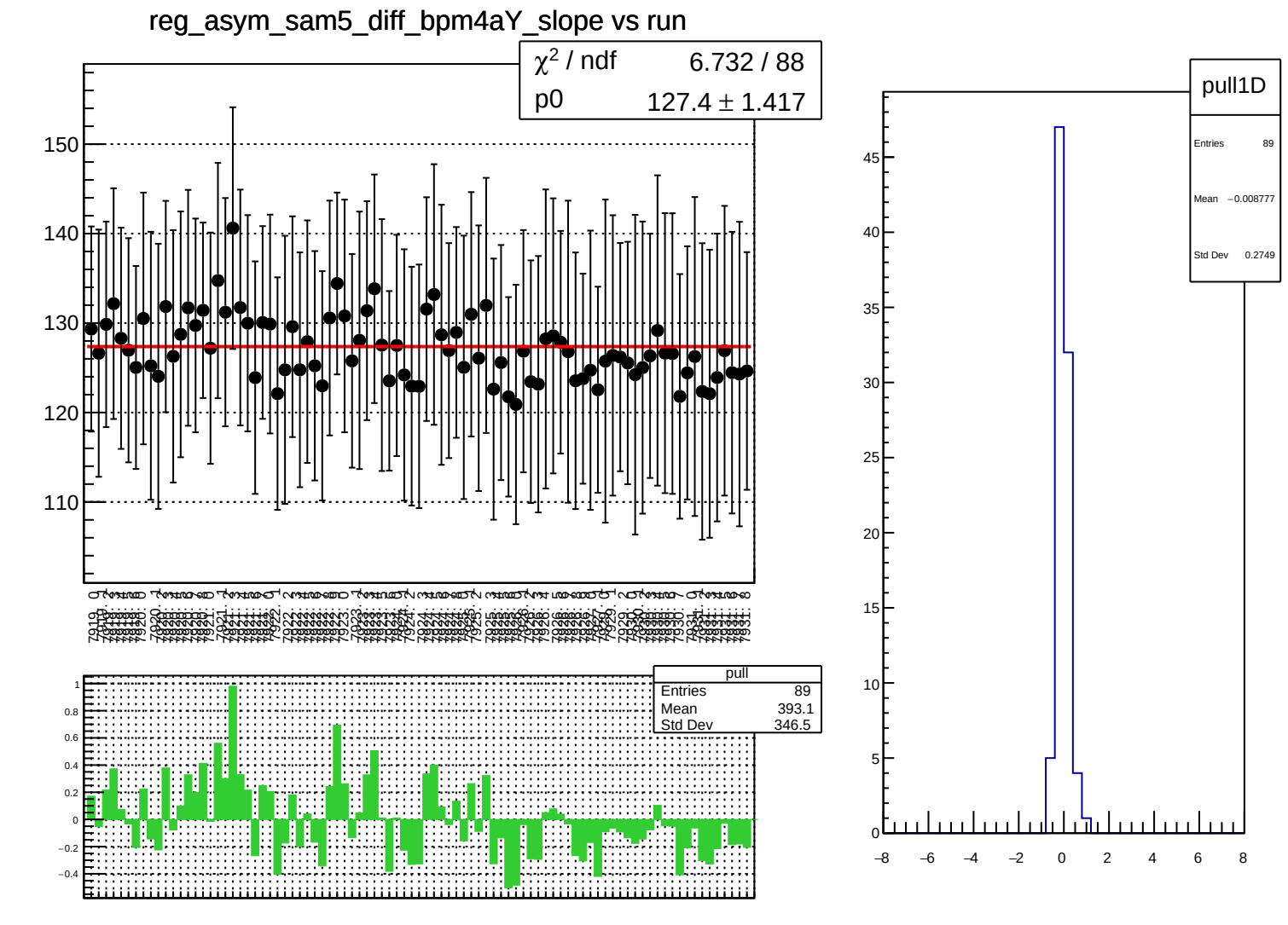

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.515 / 88
p0 74.25 ± 9.135
200
150
100
50
0
−50
pull
Entries 89
Mean −208
Std Dev 247.9
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

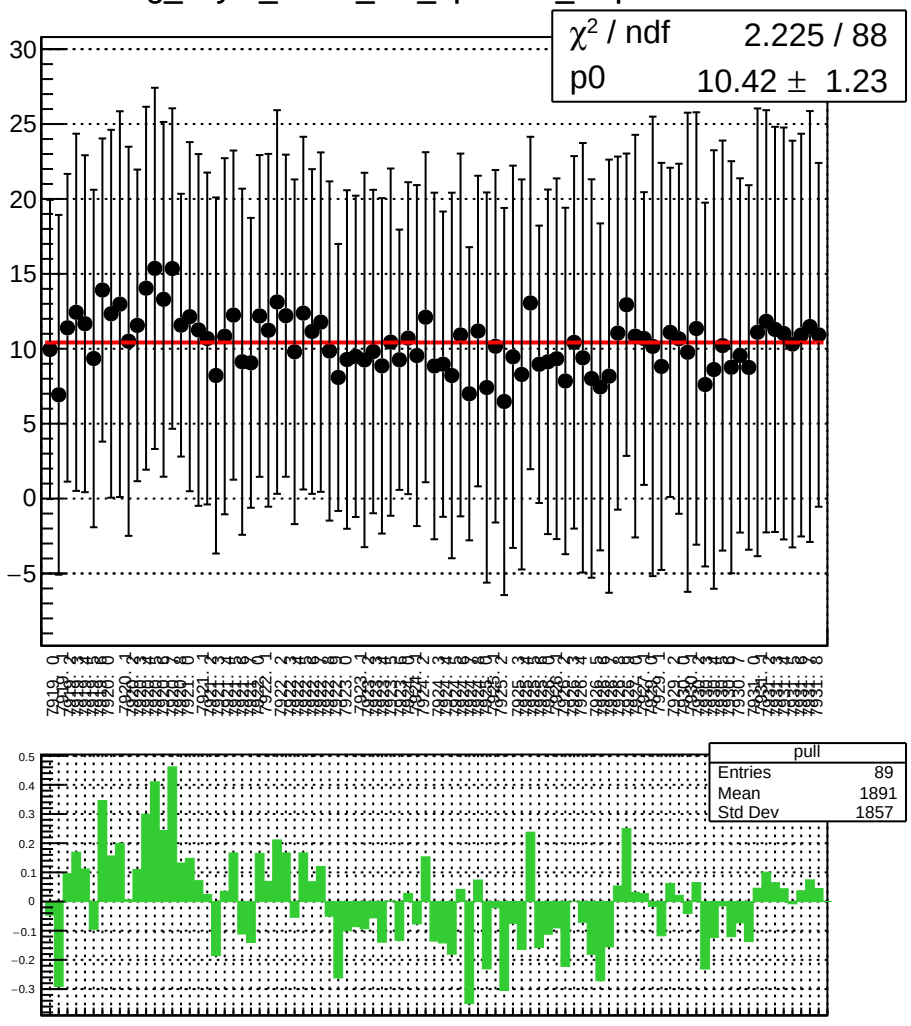

pull1D
Entries 89
Mean −0.002842
Std Dev 0.1305
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

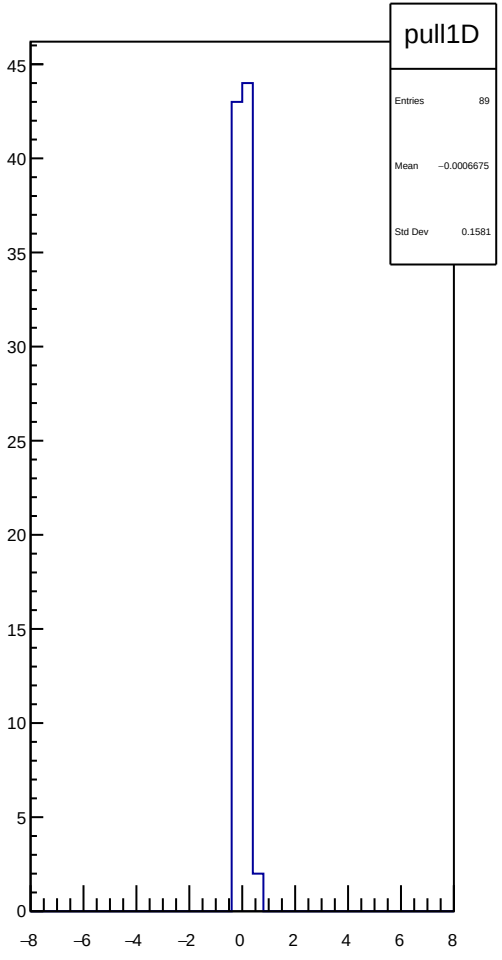

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.43 / 88
p0 −3.681 ± 0.264
pull
Entries 89
Mean −1452
Std Dev 1494
pull1D
Entries 89
Mean −0.0008049
Std Dev 0.1267

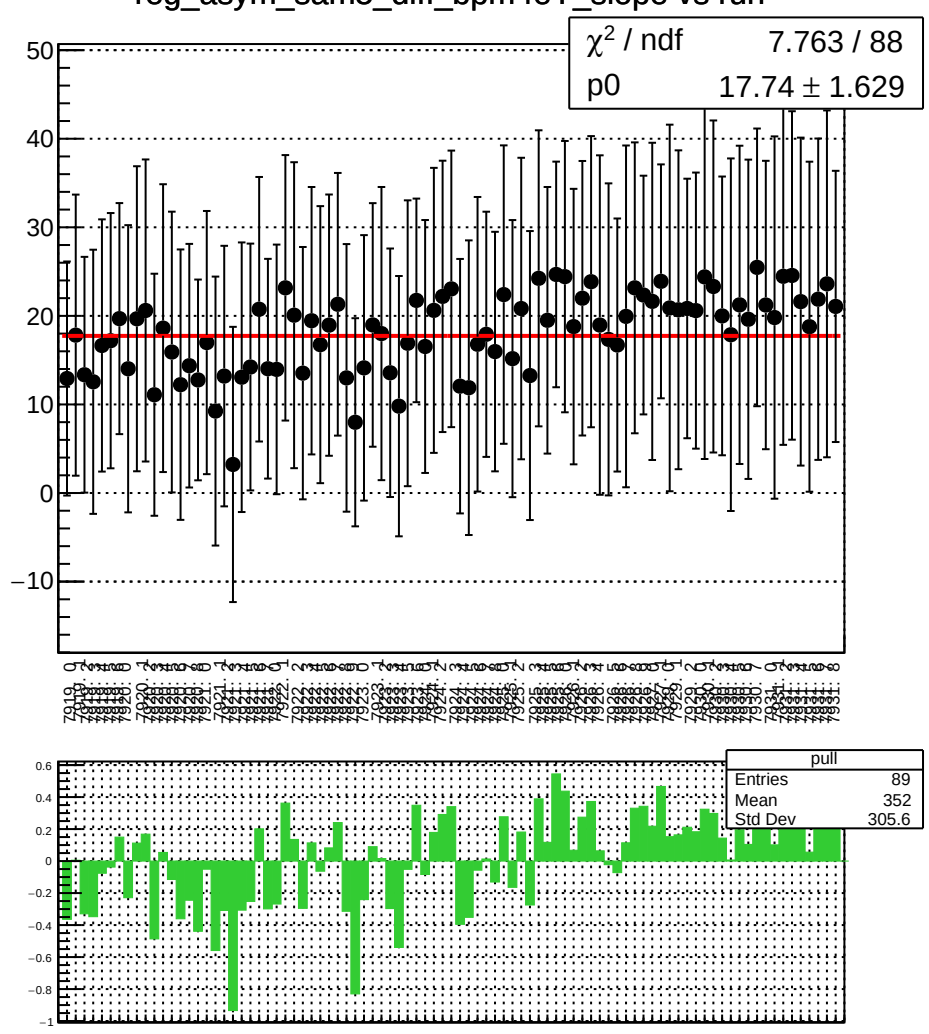

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.225 / 88
p0 −3.938 ± 1.376
pull
Entries 89
Mean 1208
Std Dev 1173

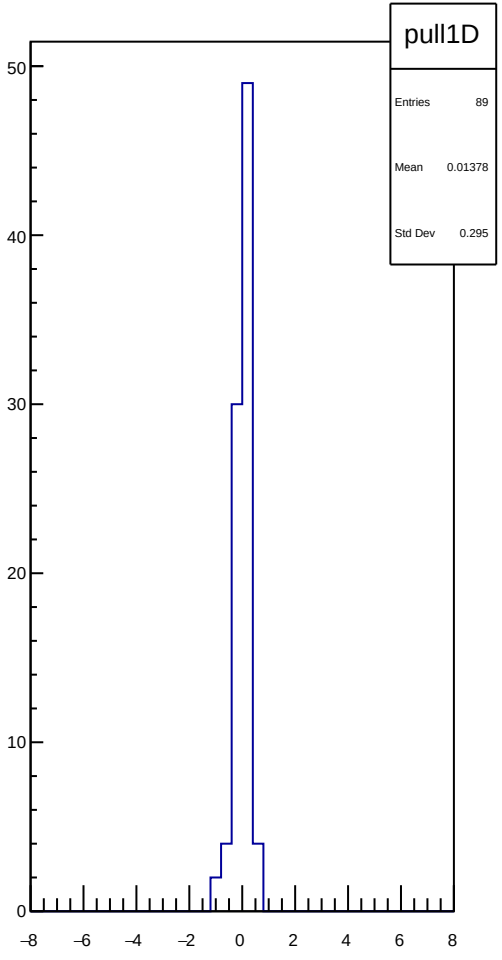

pull1D
Entries 89
Mean 0.001144
Std Dev 0.1581

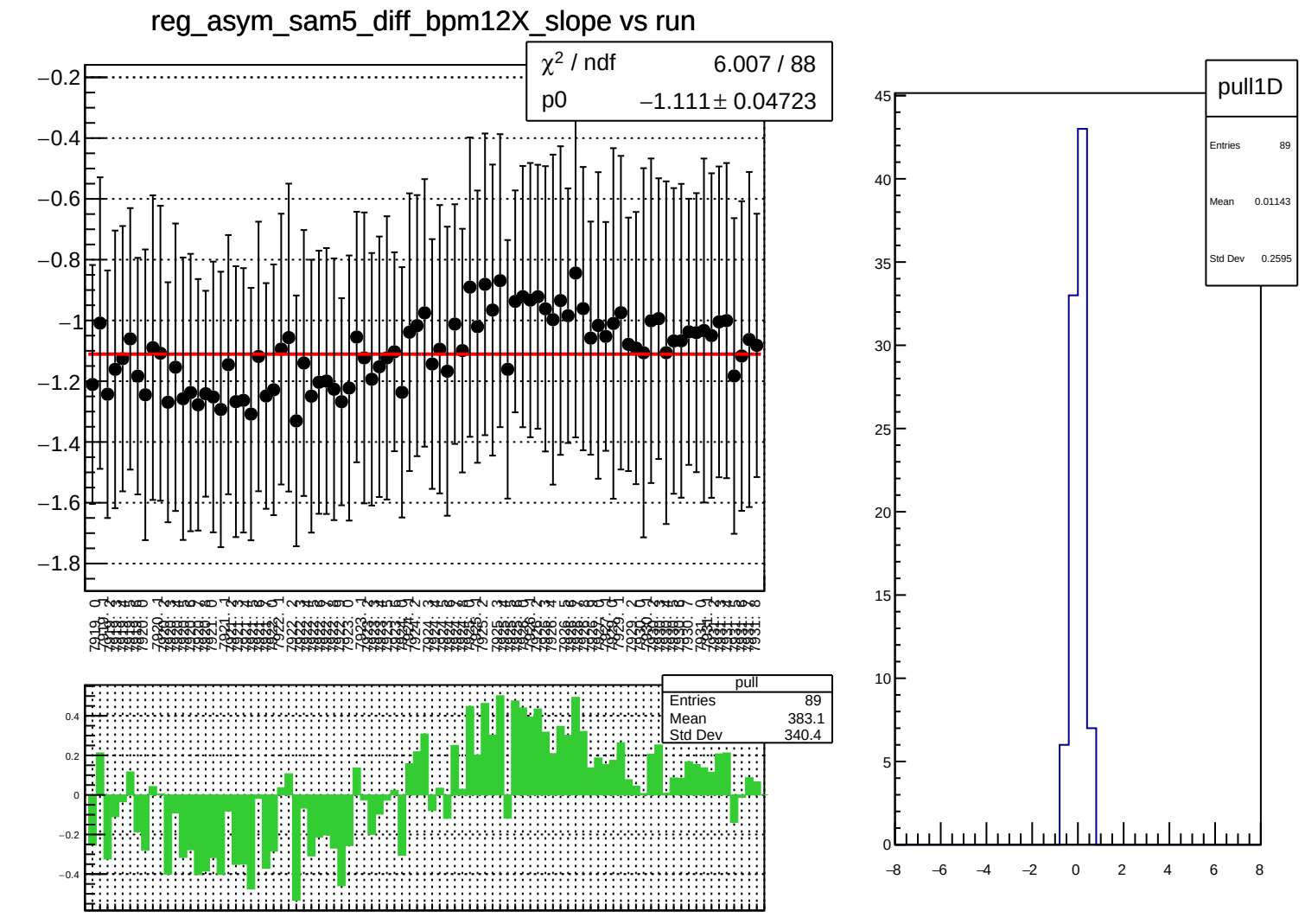

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 6.732 / 88
p0 127.4 ± 1.417
150
140
130
120
110
pull
Entries 89
Mean 393.1
Std Dev 346.5
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean −0.008777
Std Dev 0.2749
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

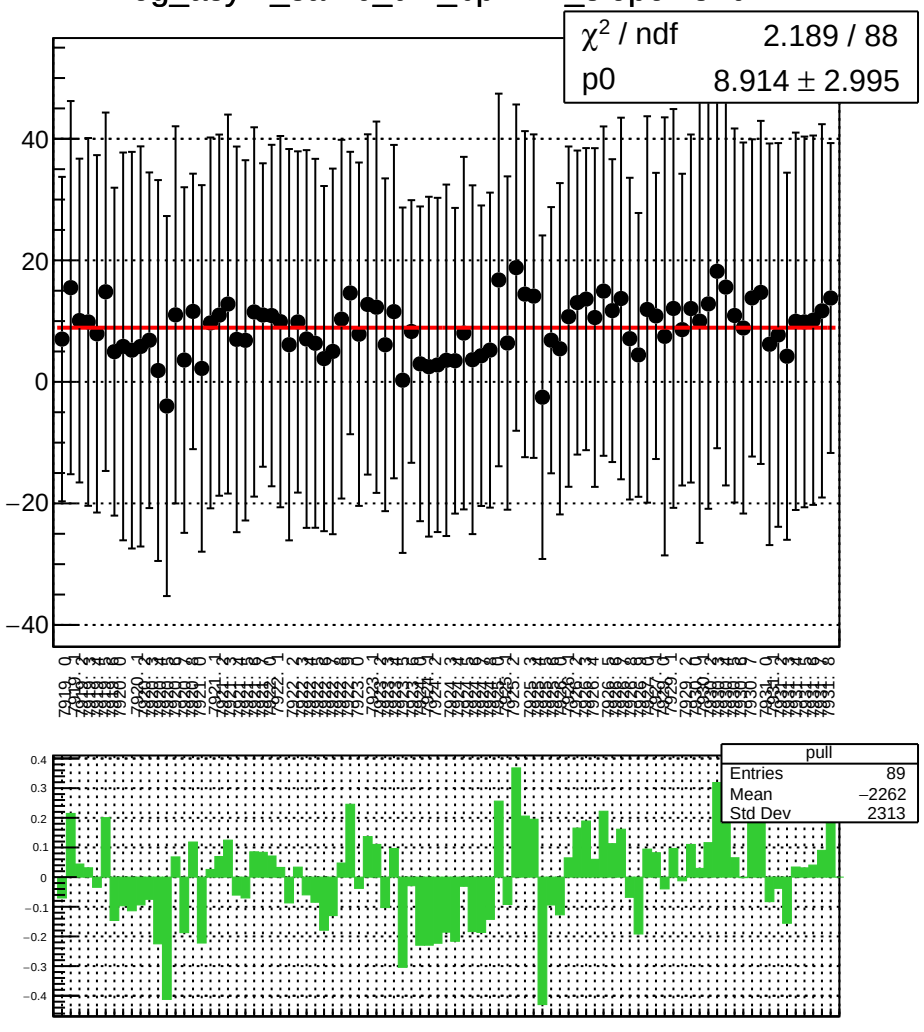

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.225 / 88
p0 10.42 ± 1.23
pull
Entries 89
Mean 1891
Std Dev 1857

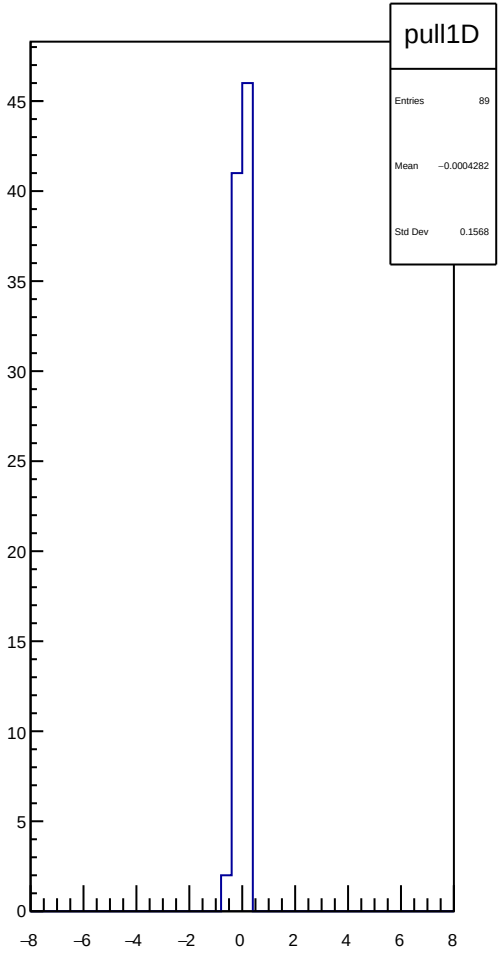

pull1D
Entries 89
Mean −0.0006675
Std Dev 0.1581

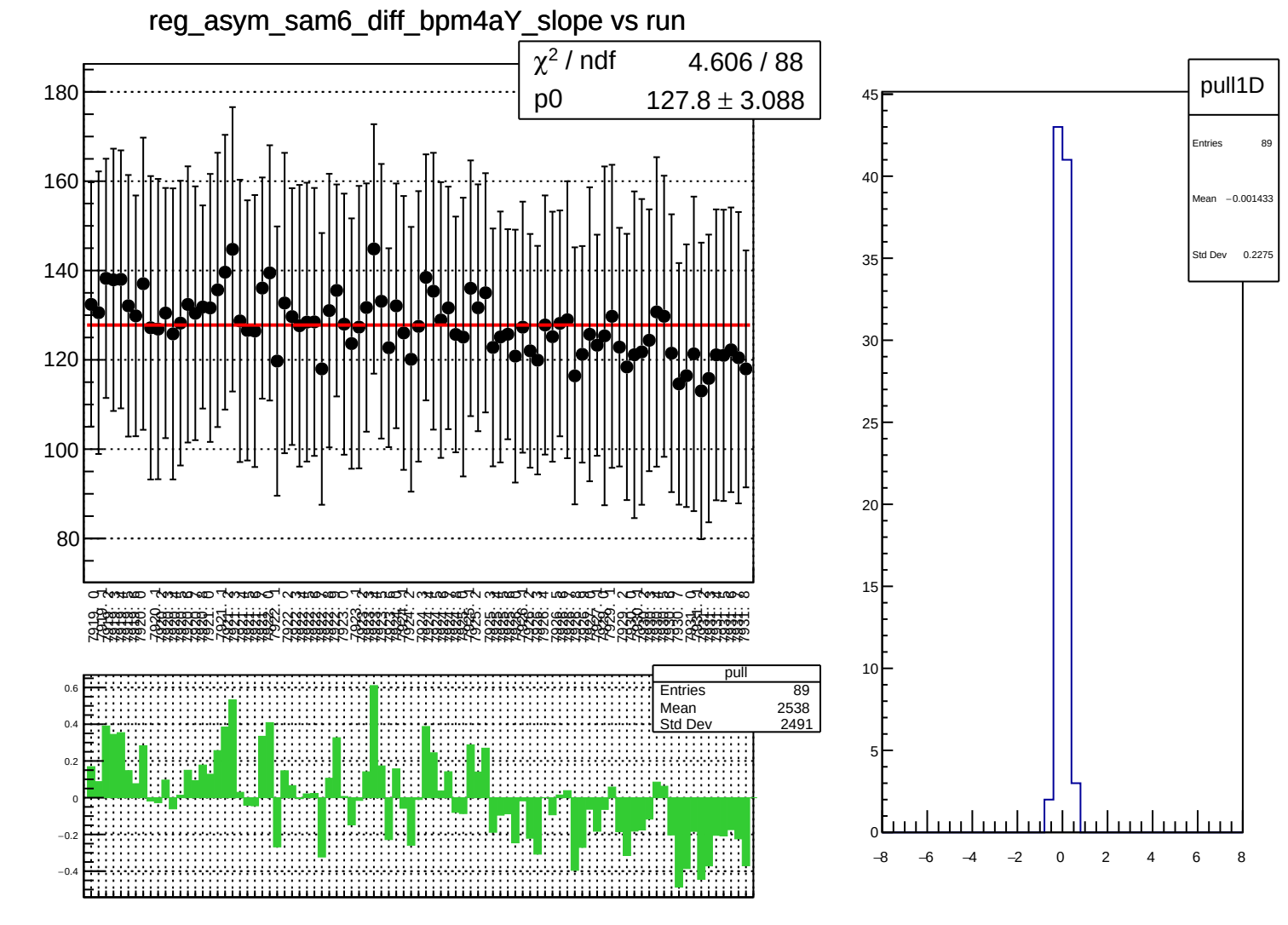

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 7.763 / 88
p0 17.74 ± 1.629
pull
Entries 89
Mean 352
Std Dev 305.6

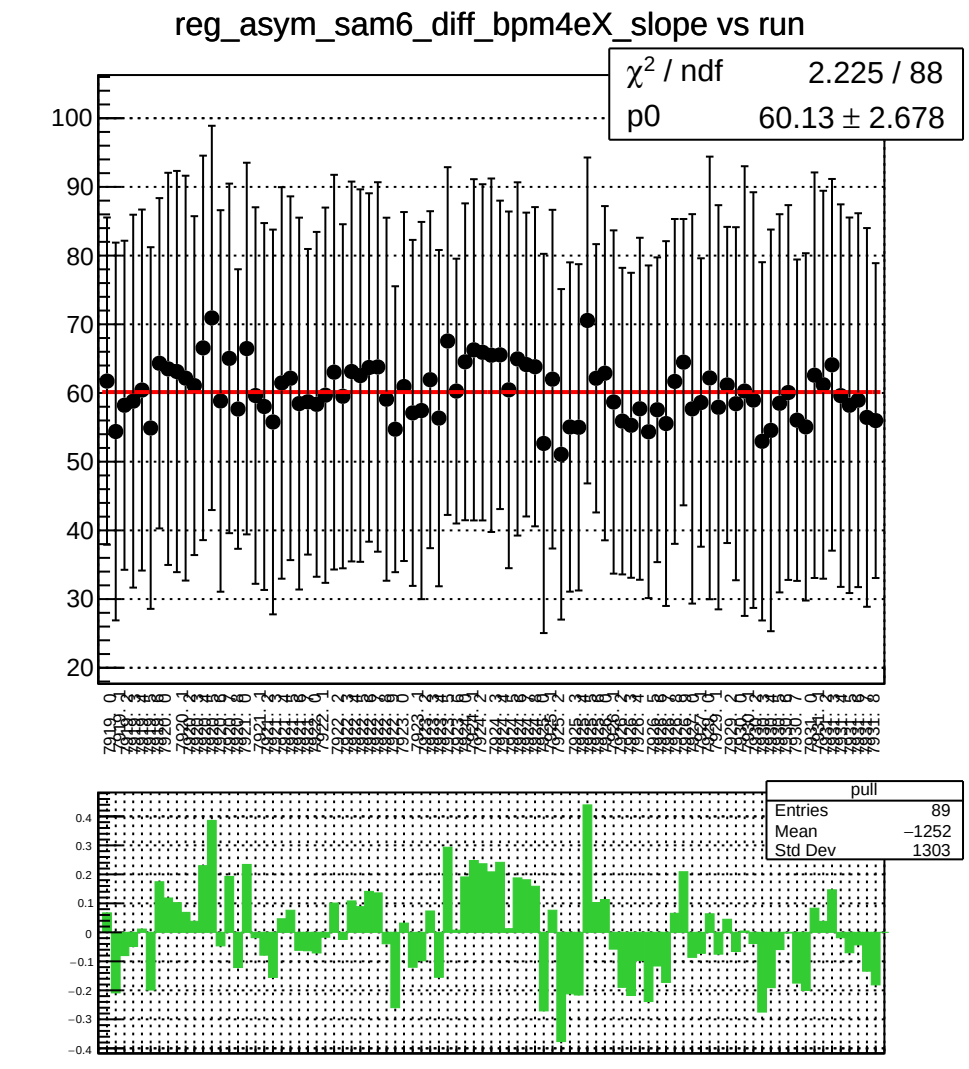

pull1D
Entries 89
Mean 0.01378
Std Dev 0.295

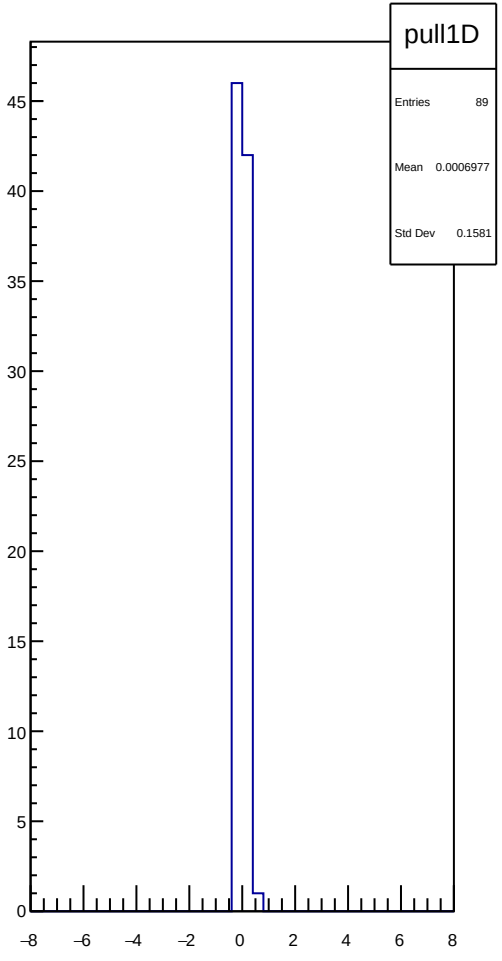

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 6.007 / 88
p0 −1.111 ± 0.04723
pull
Entries 89
Mean 383.1
Std Dev 340.4
pull1D
Entries 89
Mean 0.01143
Std Dev 0.2595

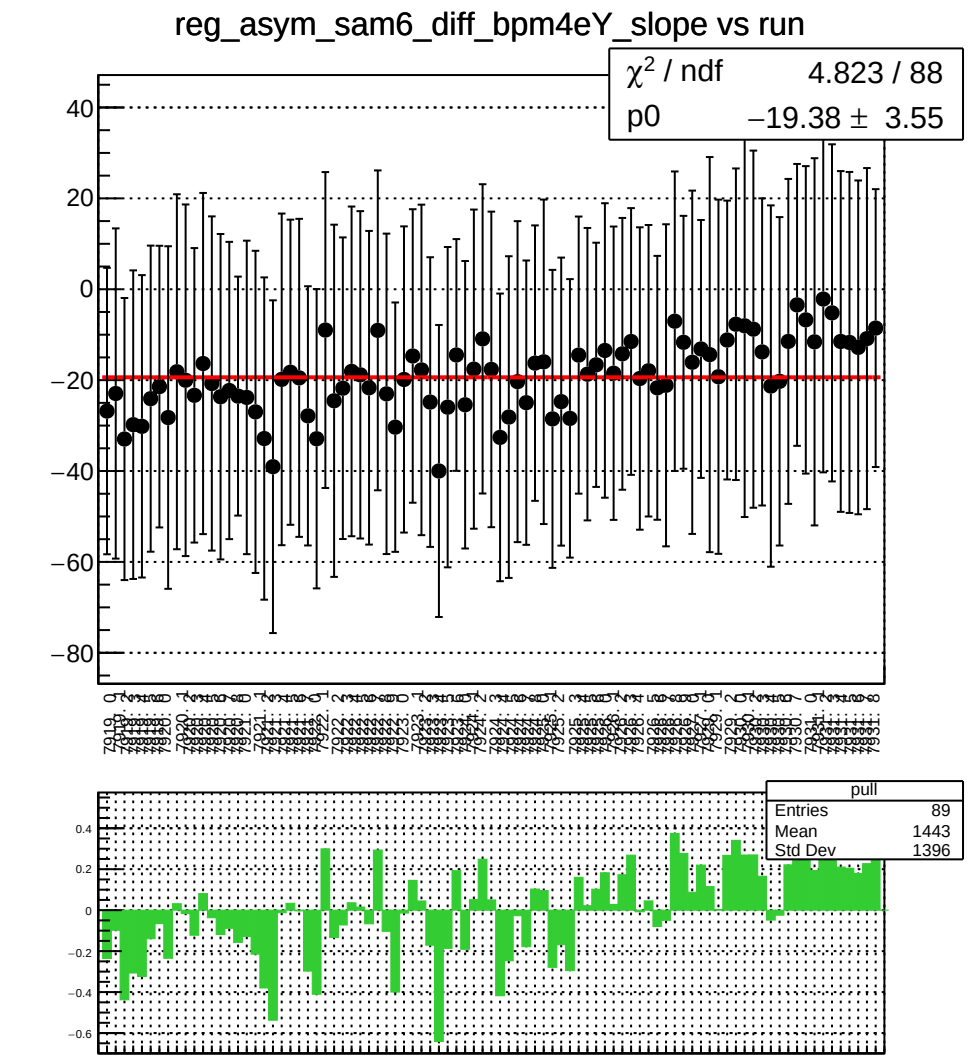

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.189 / 88
p0 8.914 ± 2.995
pull
Entries 89
Mean −2262
Std Dev 2313

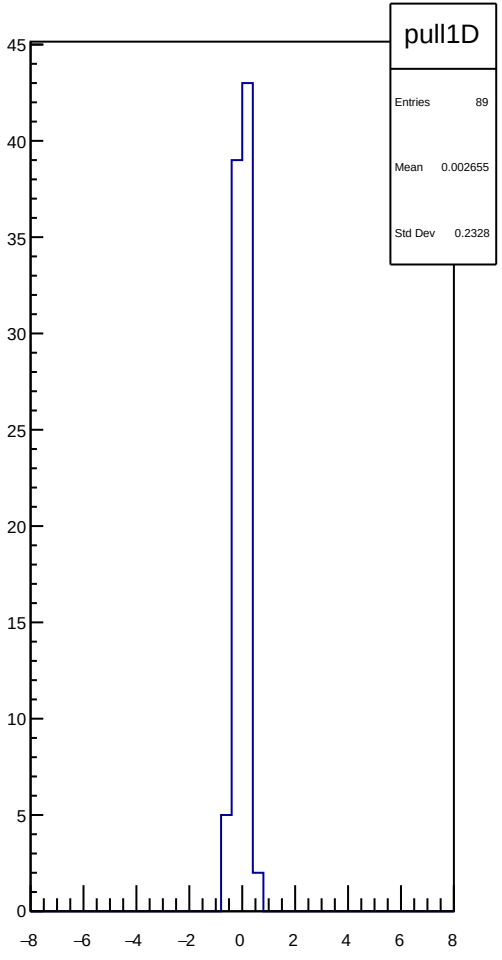

pull1D
Entries 89
Mean −0.0004282
Std Dev 0.1568

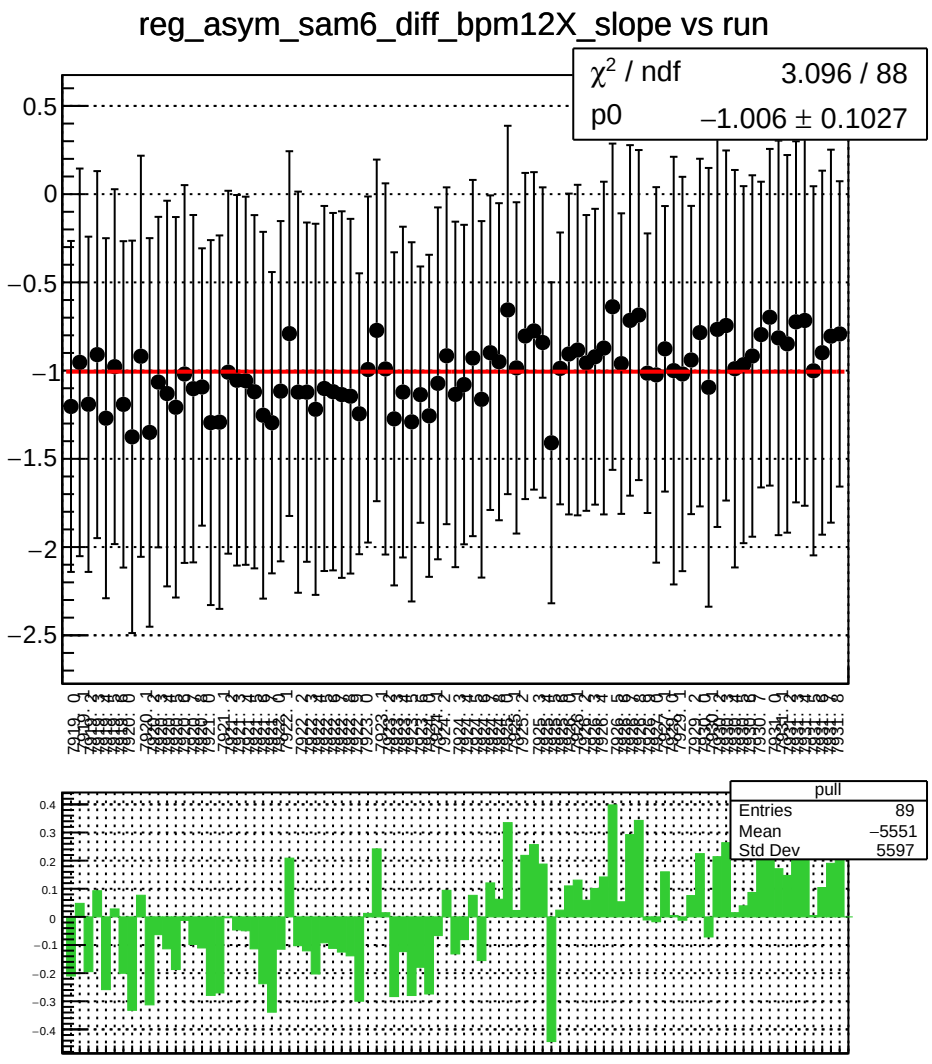

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 4.606 / 88
p0 127.8 ± 3.088
pull
Entries 89
Mean 2538
Std Dev 2491
pull1D
Entries 89
Mean −0.001433
Std Dev 0.2275

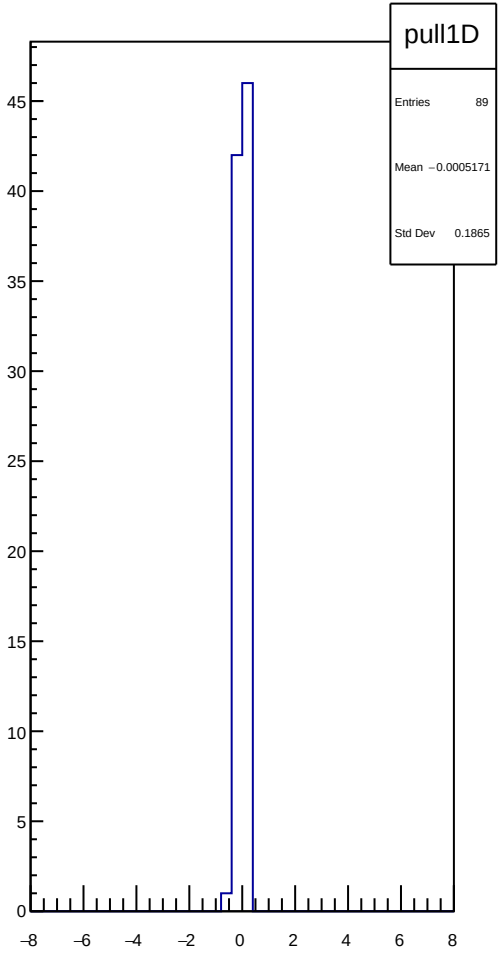

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.225 / 88
p0 60.13 ± 2.678
pull
Entries 89
Mean −1252
Std Dev 1303

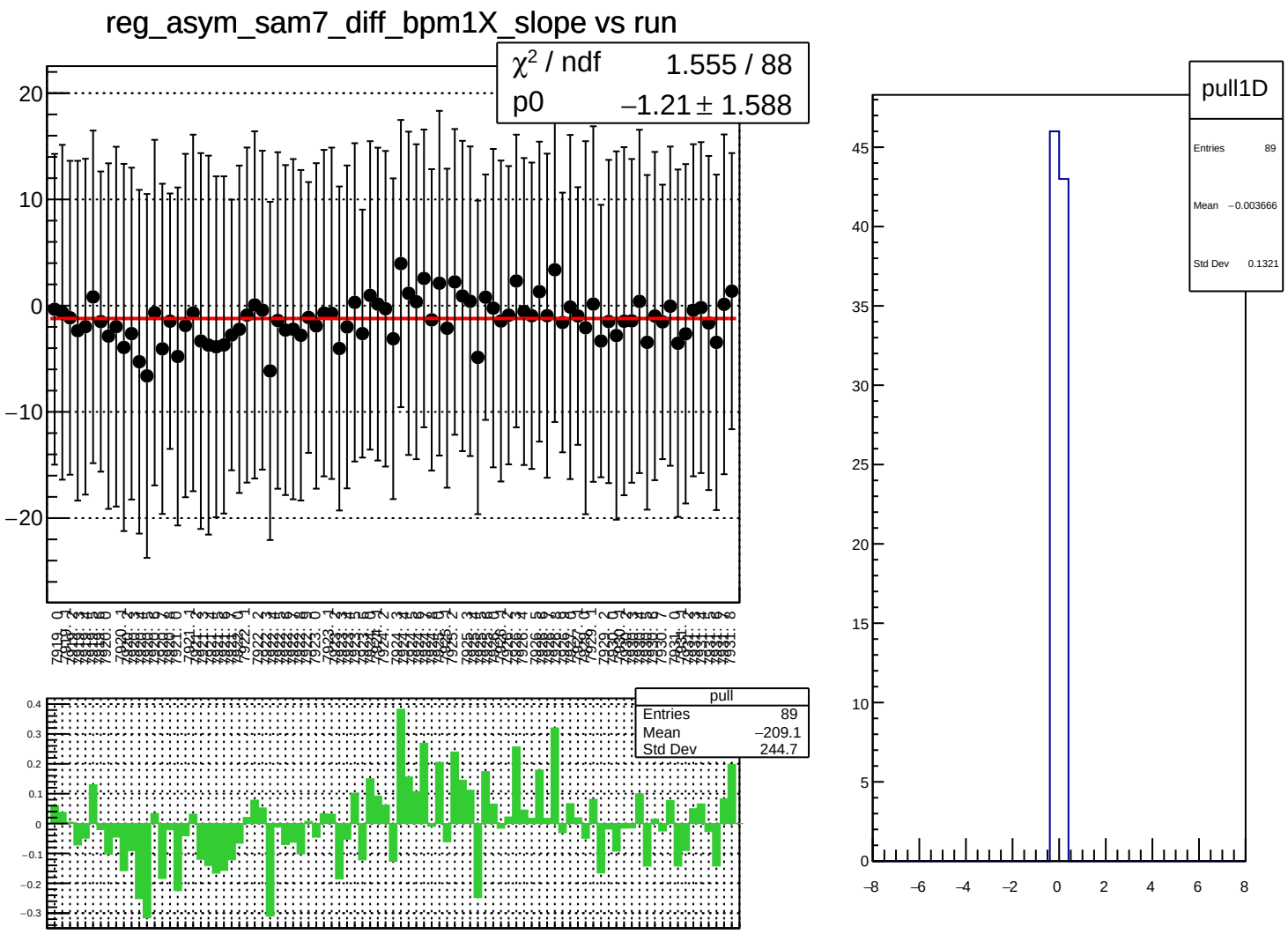

pull1D
Entries 89
Mean 0.0006977
Std Dev 0.1581

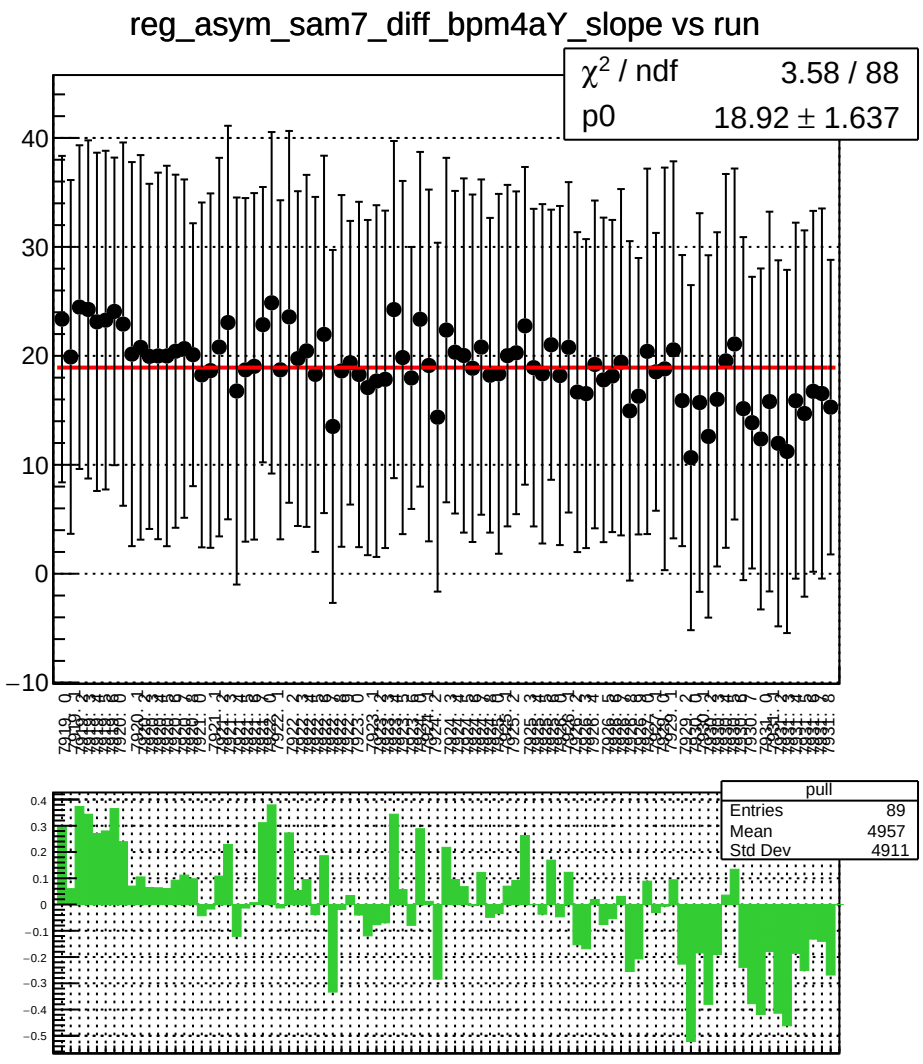

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 4.823 / 88
p0 −19.38 ± 3.55
pull
Entries 89
Mean 1443
Std Dev 1396

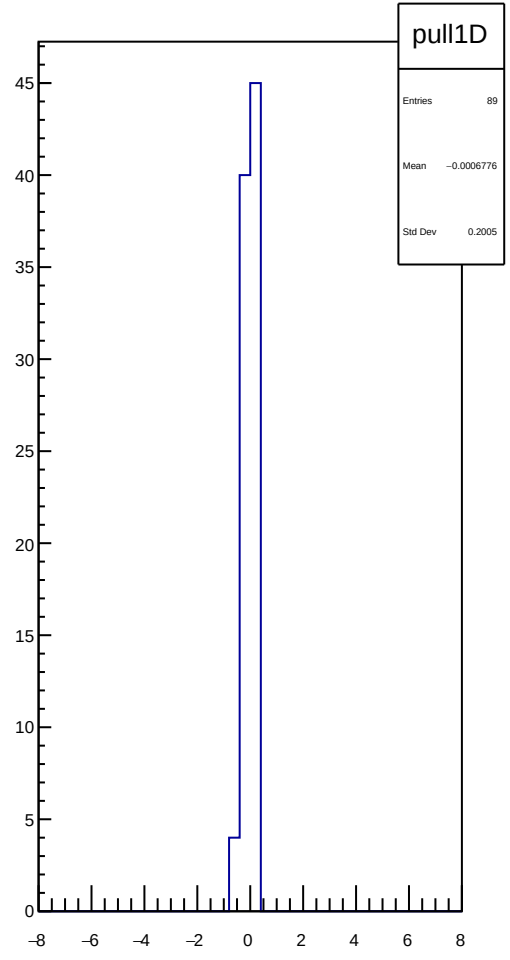

pull1D
Entries 89
Mean 0.002655
Std Dev 0.2328

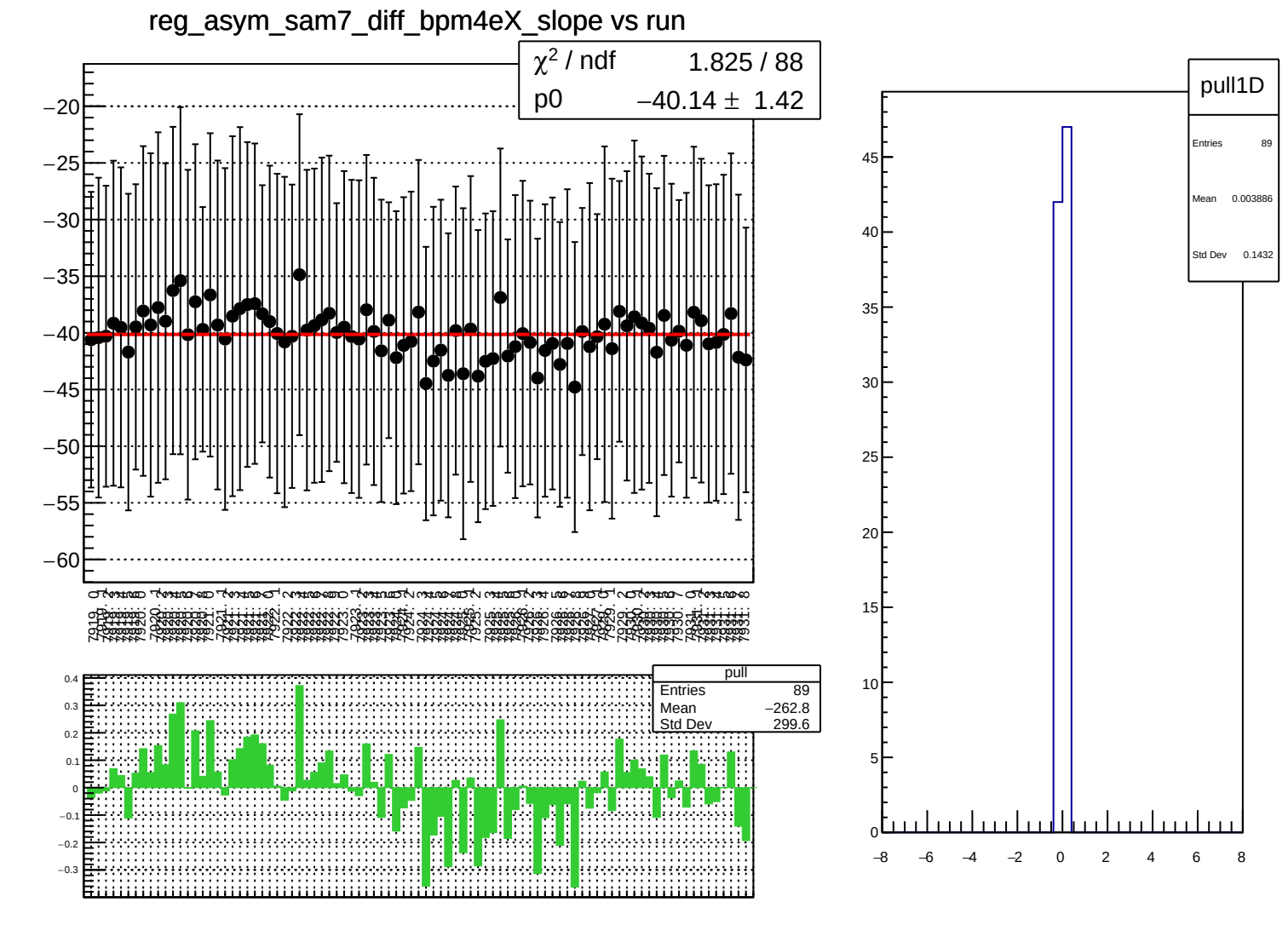

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 3.096 / 88
p0 −1.006 ± 0.1027
pull
Entries 89
Mean −5551
Std Dev 5597

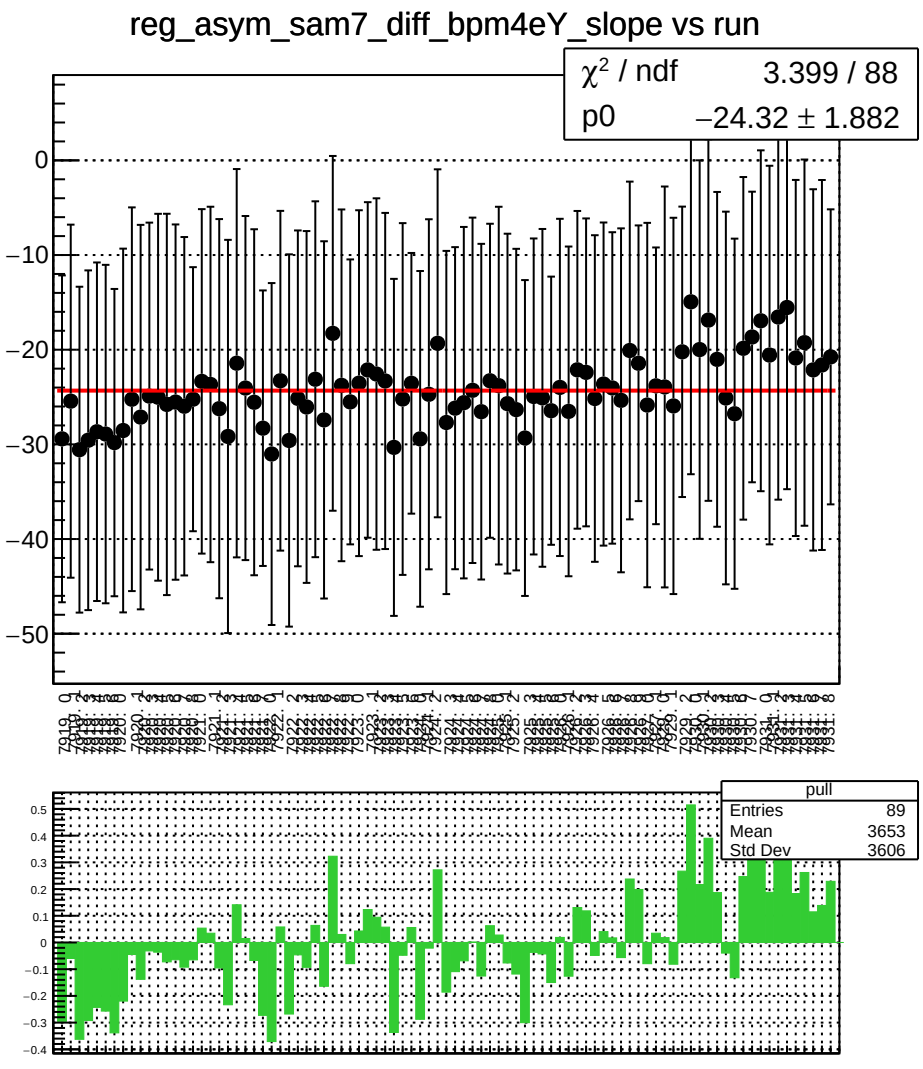

pull1D
Entries 89
Mean −0.0005171
Std Dev 0.1865

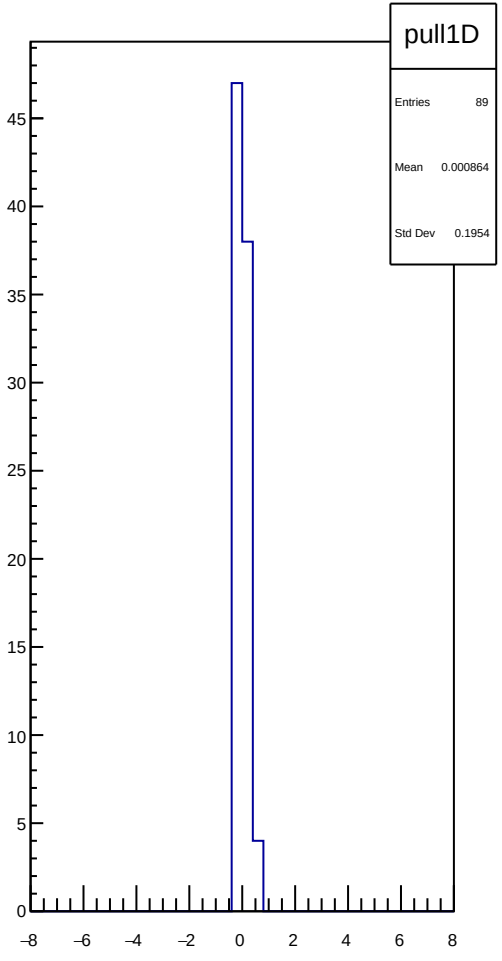

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1.555 / 88
p0 −1.21 ± 1.588
pull
Entries 89
Mean −209.1
Std Dev 244.7
pull1D
Entries 89
Mean −0.003666
Std Dev 0.1321

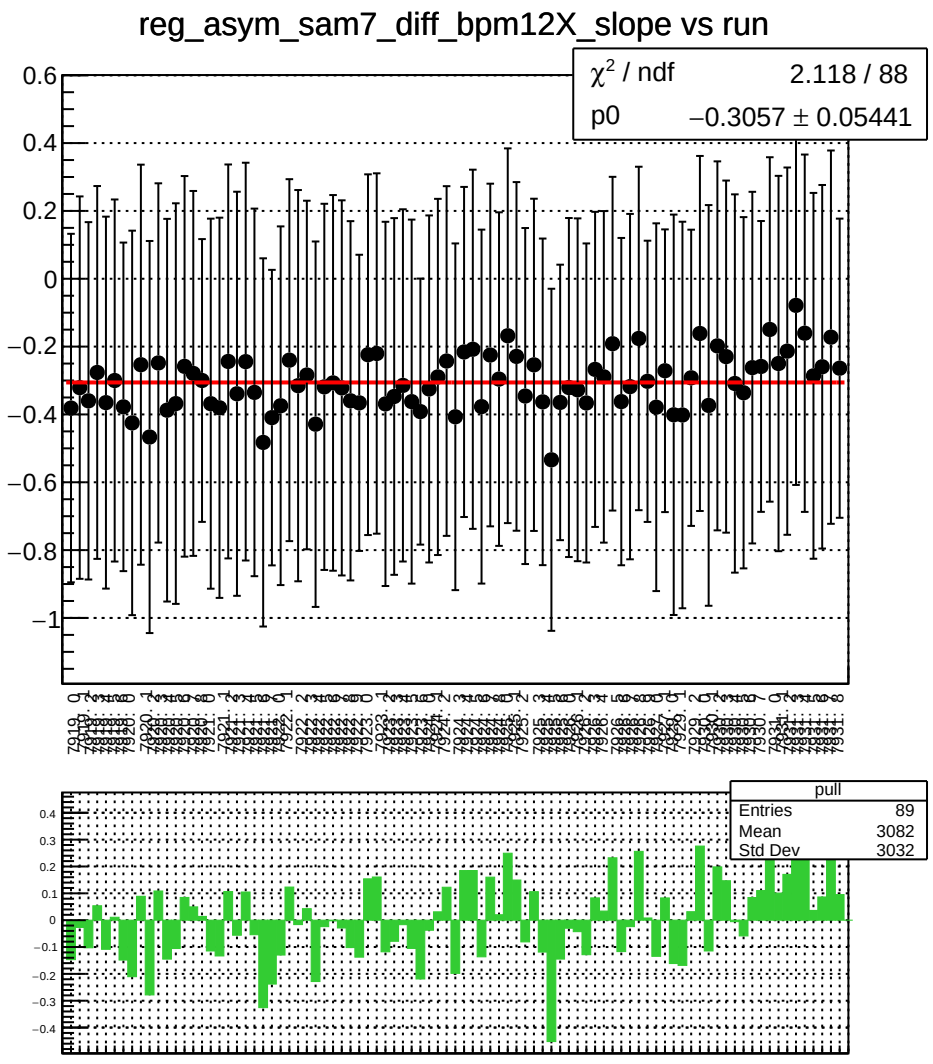

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.58 / 88
p0 18.92 ± 1.637
pull
Entries 89
Mean 4957
Std Dev 4911

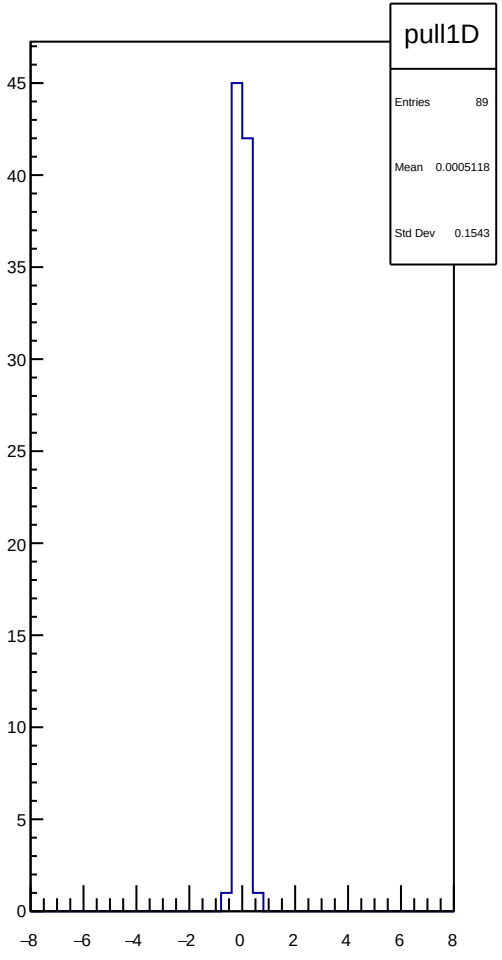

pull1D
Entries 89
Mean −0.0006776
Std Dev 0.2005

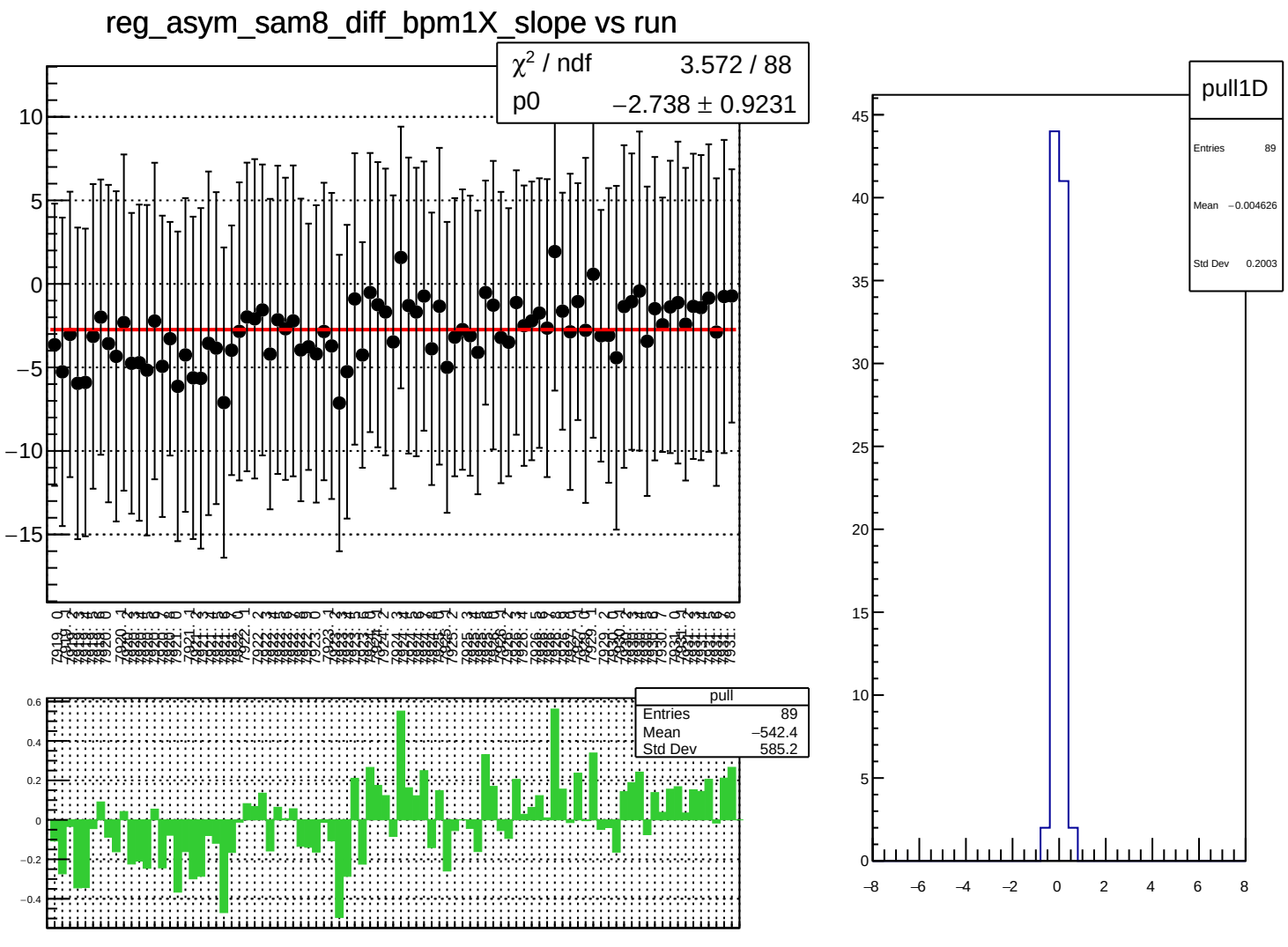

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 1.825 / 88
p0 −40.14 ± 1.42
pull
Entries 89
Mean −262.8
Std Dev 299.6
pull1D
Entries 89
Mean 0.003886
Std Dev 0.1432

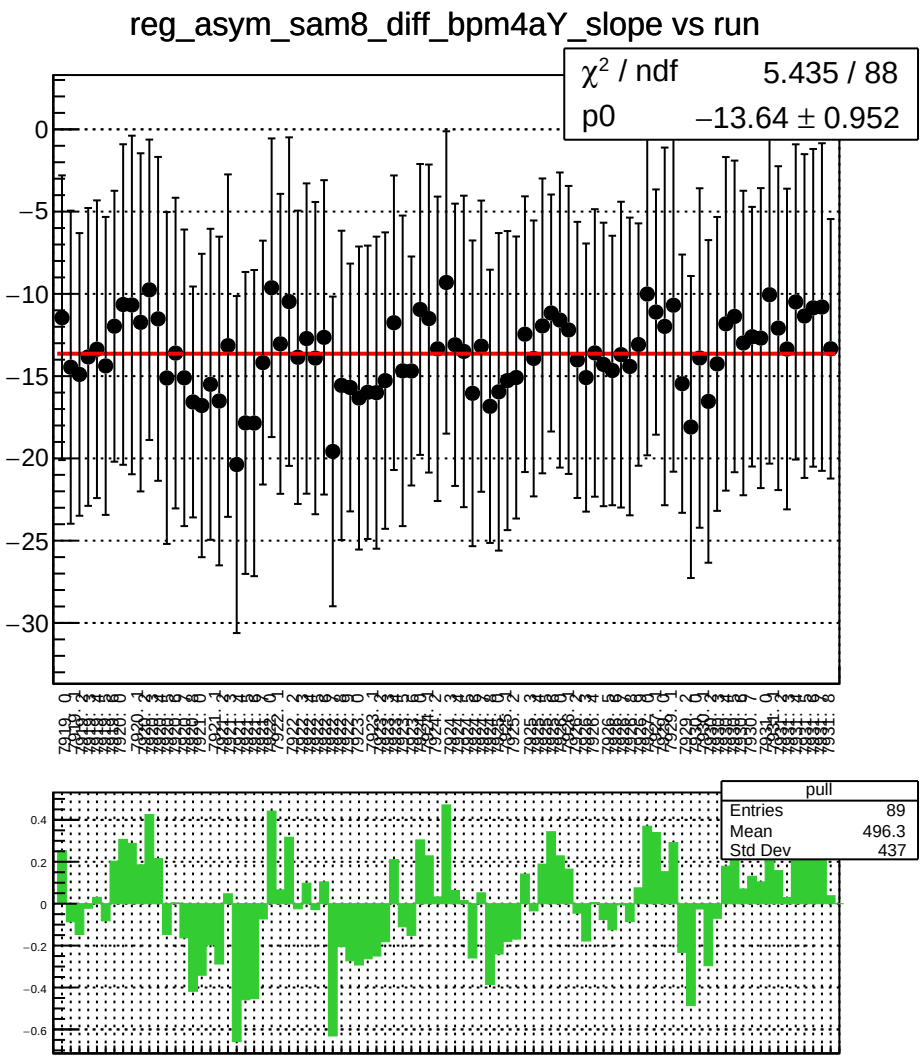

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.399 / 88
p0 −24.32 ± 1.882
pull
Entries 89
Mean 3653
Std Dev 3606

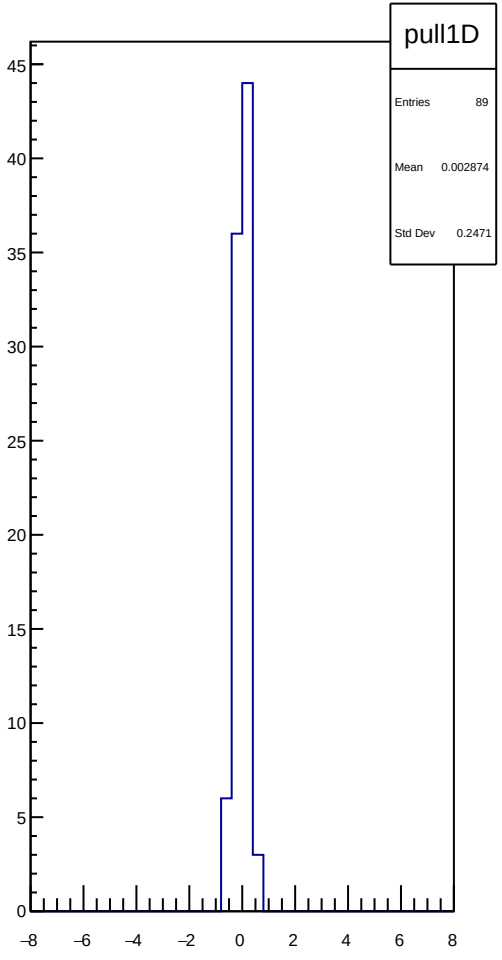

pull1D
Entries 89
Mean 0.000864
Std Dev 0.1954

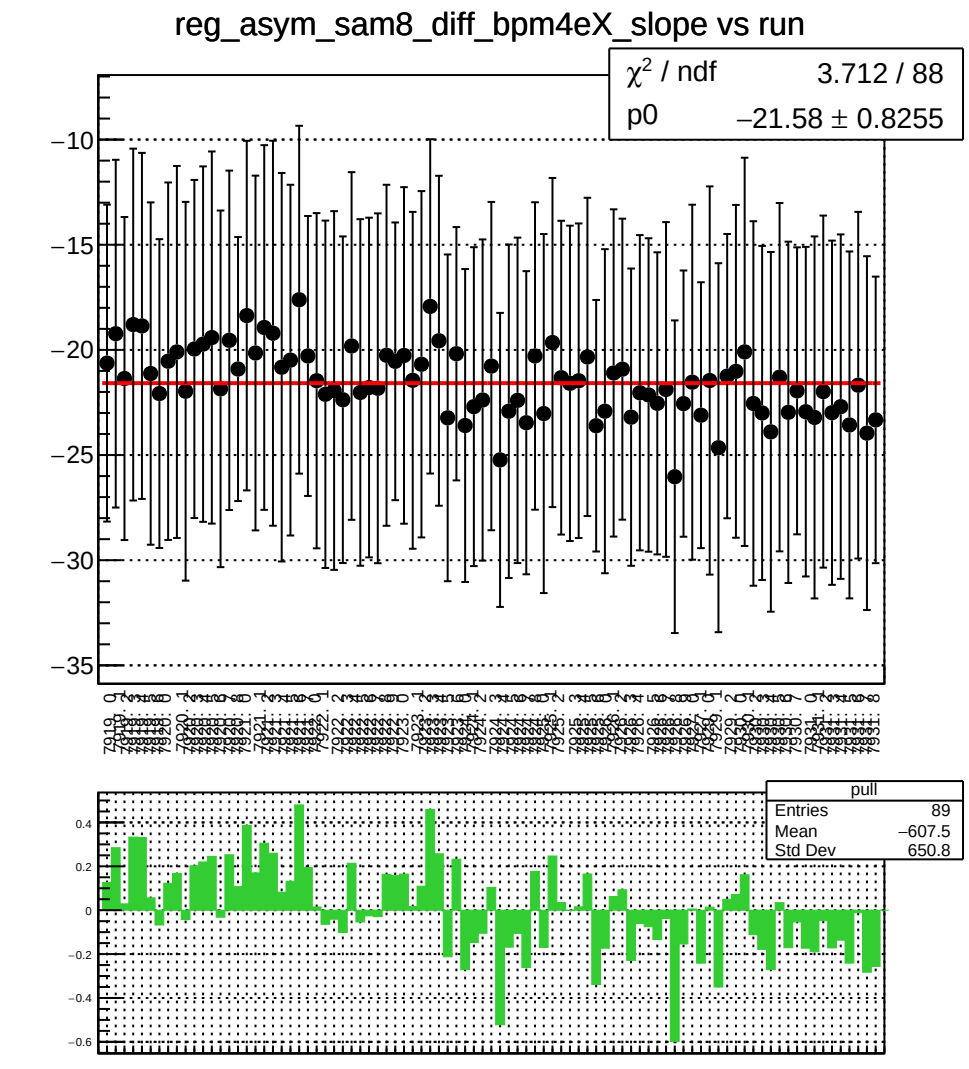

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.118 / 88
p0 −0.3057 ± 0.05441
pull
Entries 89
Mean 3082
Std Dev 3032

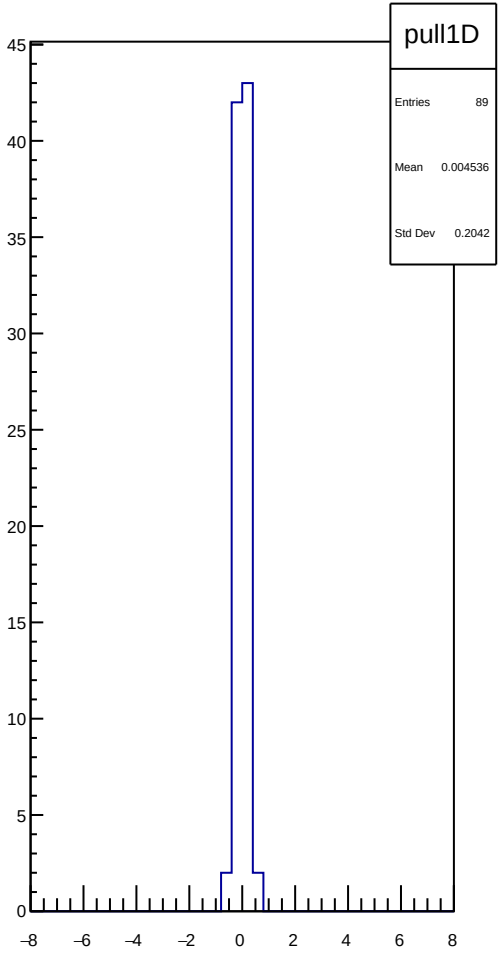

pull1D
Entries 89
Mean 0.0005118
Std Dev 0.1543

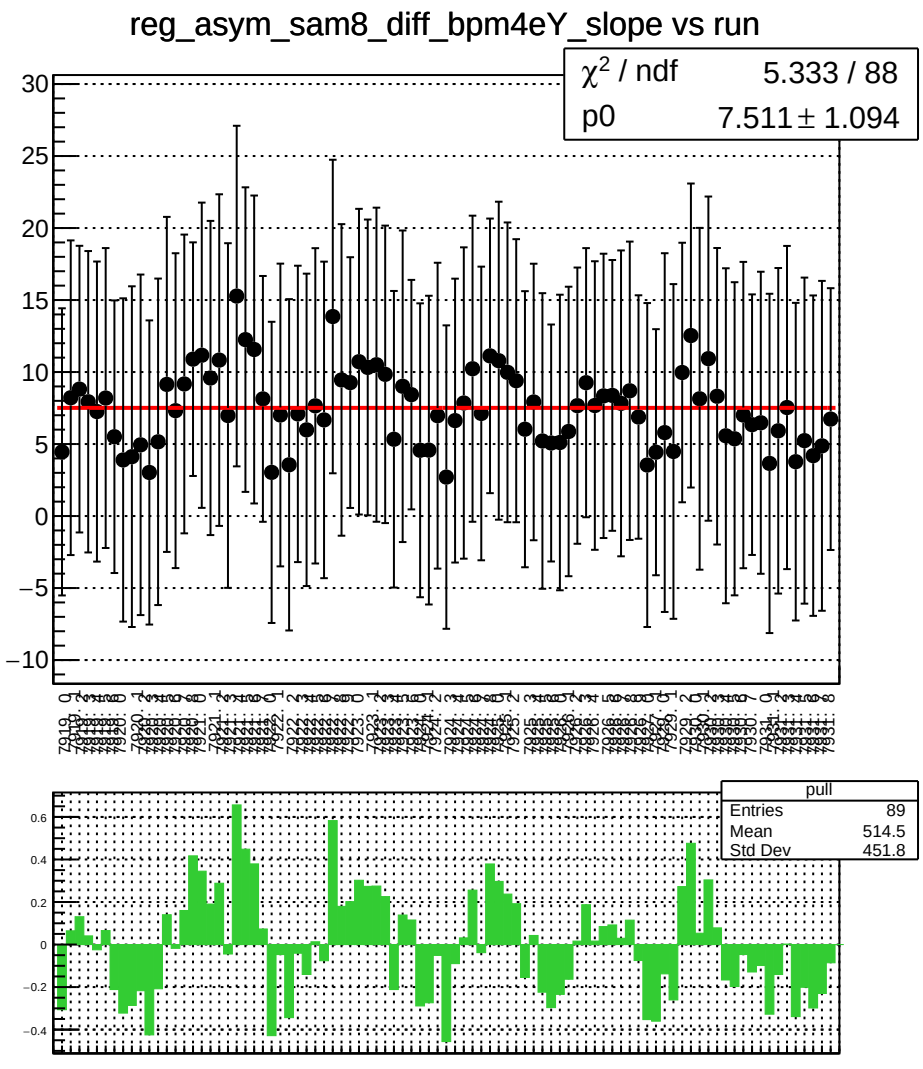

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 3.572 / 88
p0 −2.738 ± 0.9231
pull
Entries 89
Mean −542.4
Std Dev 585.2
pull1D
Entries 89
Mean −0.004626
Std Dev 0.2003

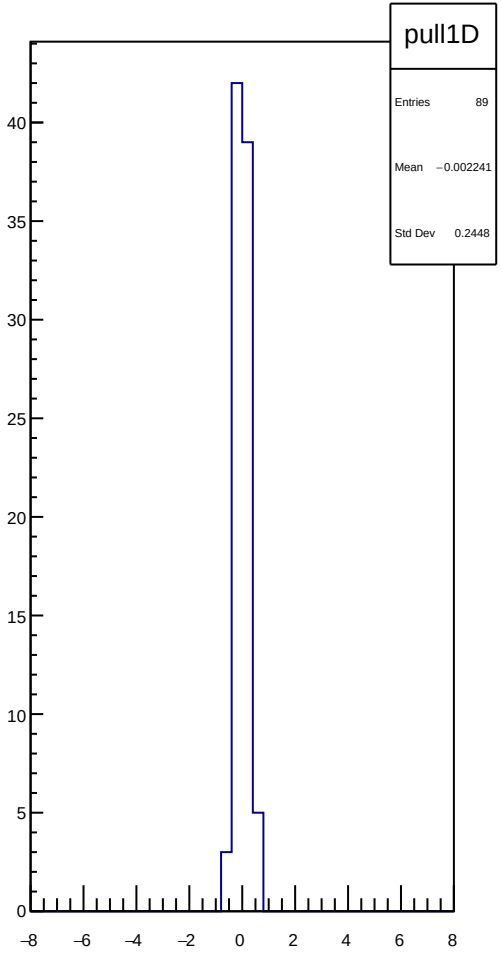

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 5.435 / 88
p0 −13.64 ± 0.952
pull
Entries 89
Mean 496.3
Std Dev 437

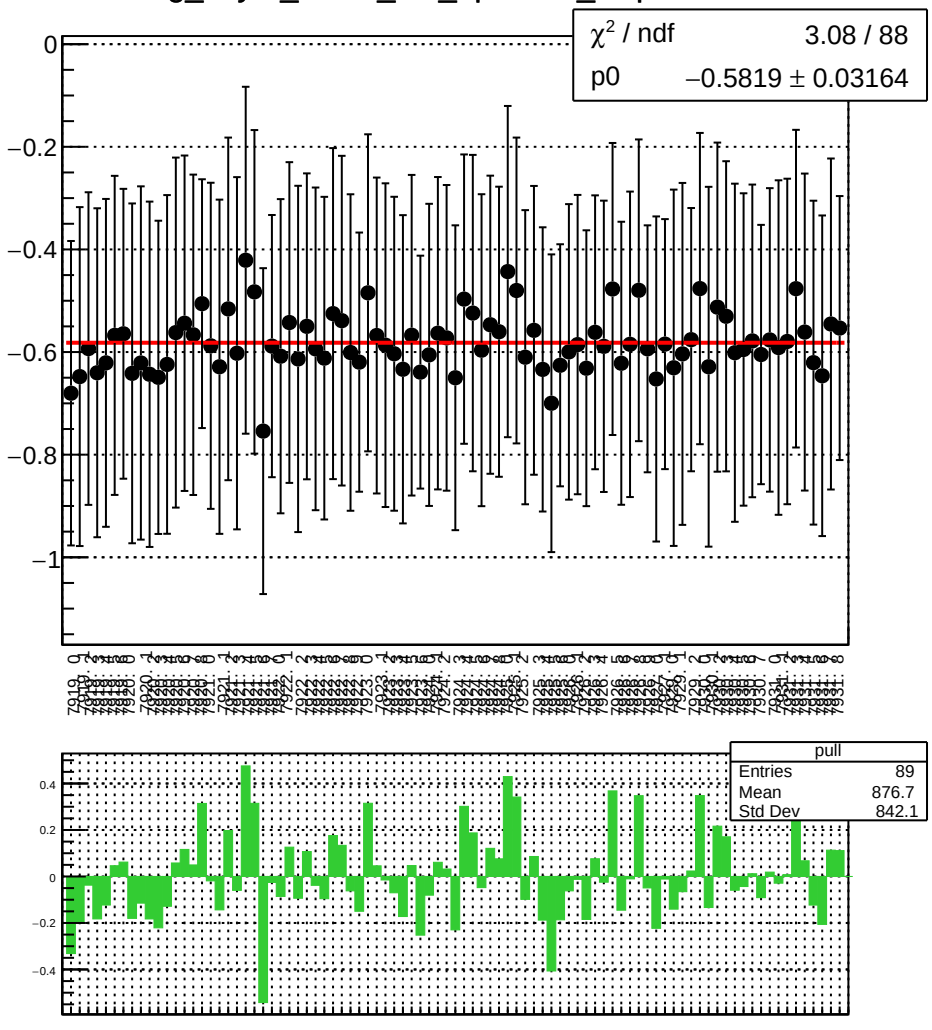

pull1D
Entries 89
Mean 0.002874
Std Dev 0.2471

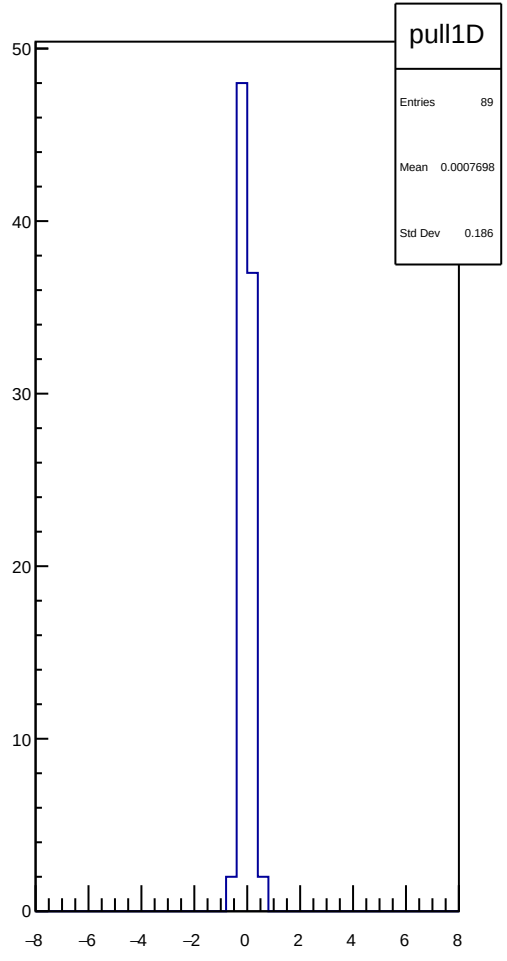

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 3.712 / 88
p0 −21.58 ± 0.8255
pull
Entries 89
Mean −607.5
Std Dev 650.8

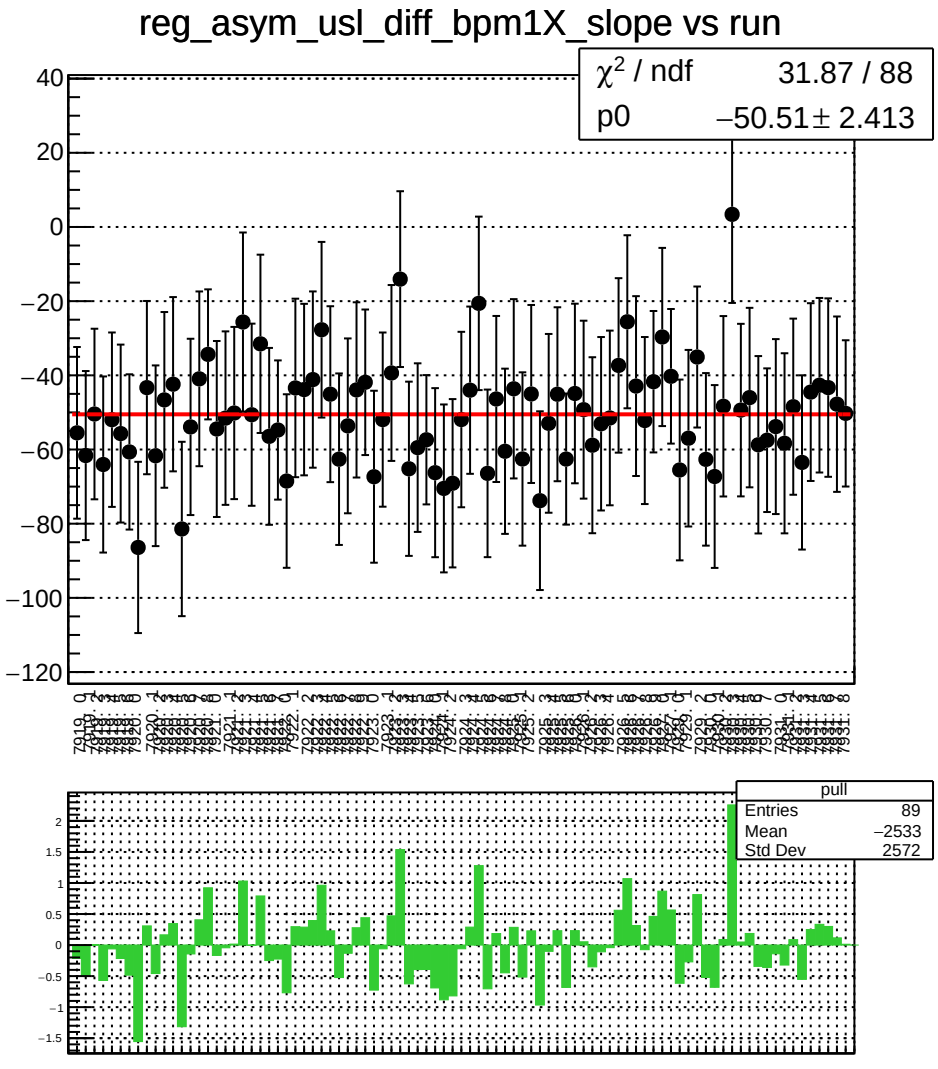

pull1D
Entries 89
Mean 0.004536
Std Dev 0.2042

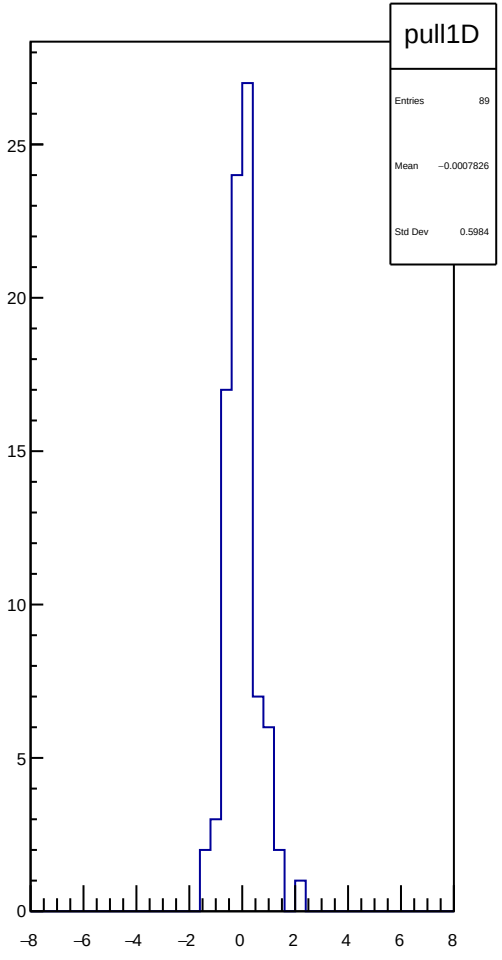

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 5.333 / 88
p0 7.511 ± 1.094
pull
Entries 89
Mean 514.5
Std Dev 451.8

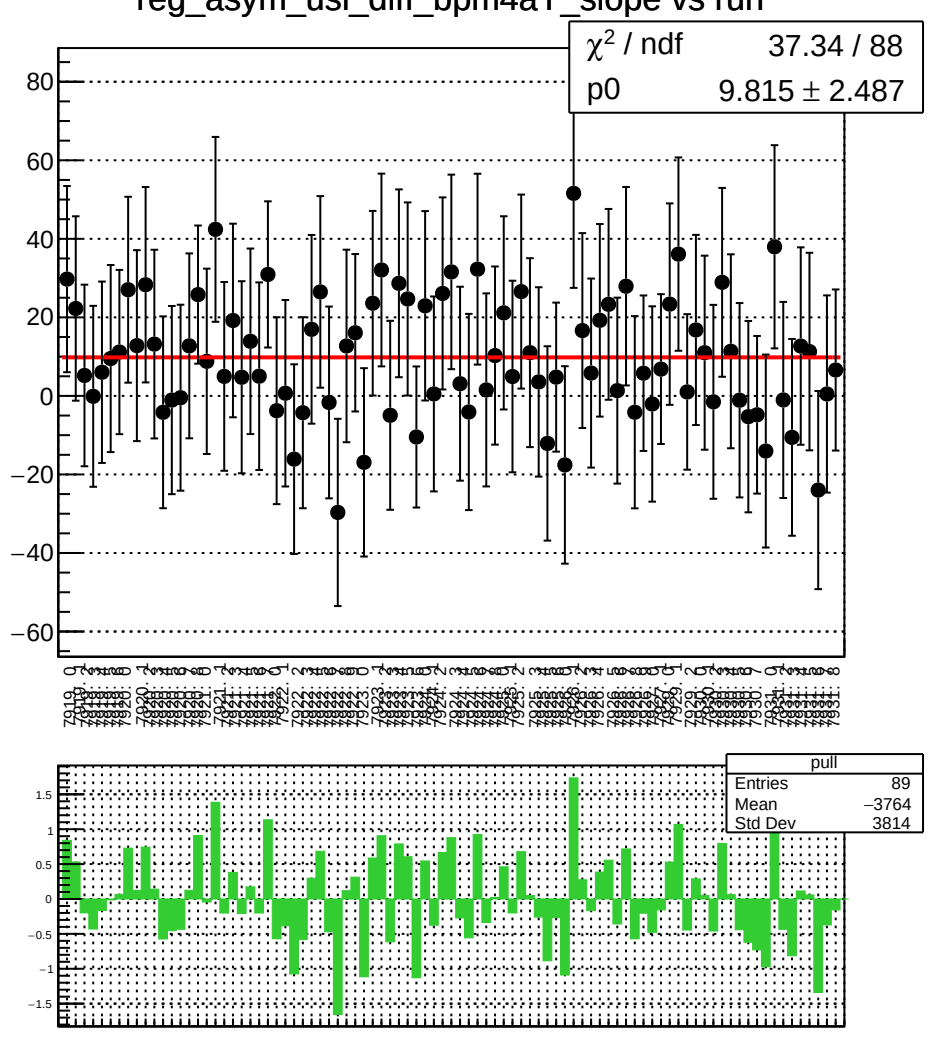

pull1D
Entries 89
Mean −0.002241
Std Dev 0.2448

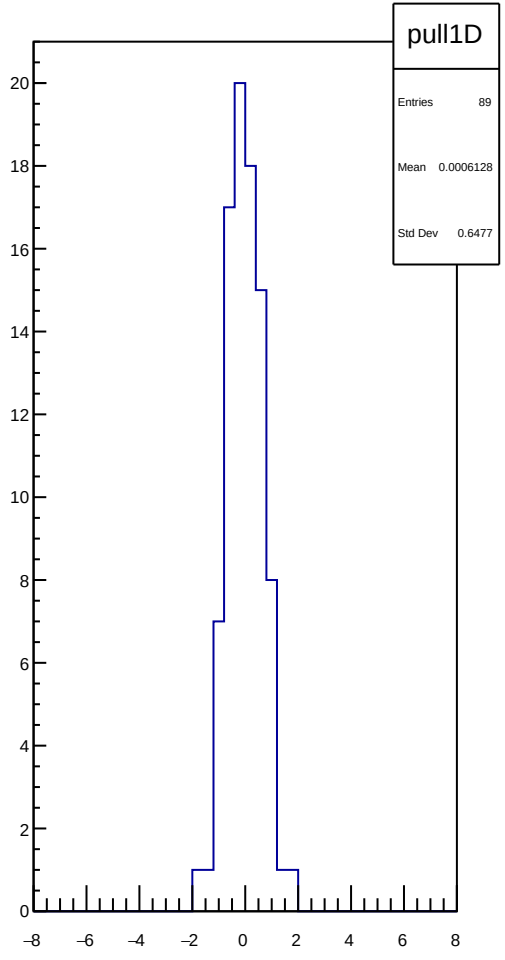

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 3.08 / 88
p0 −0.5819 ± 0.03164
pull
Entries 89
Mean 876.7
Std Dev 842.1

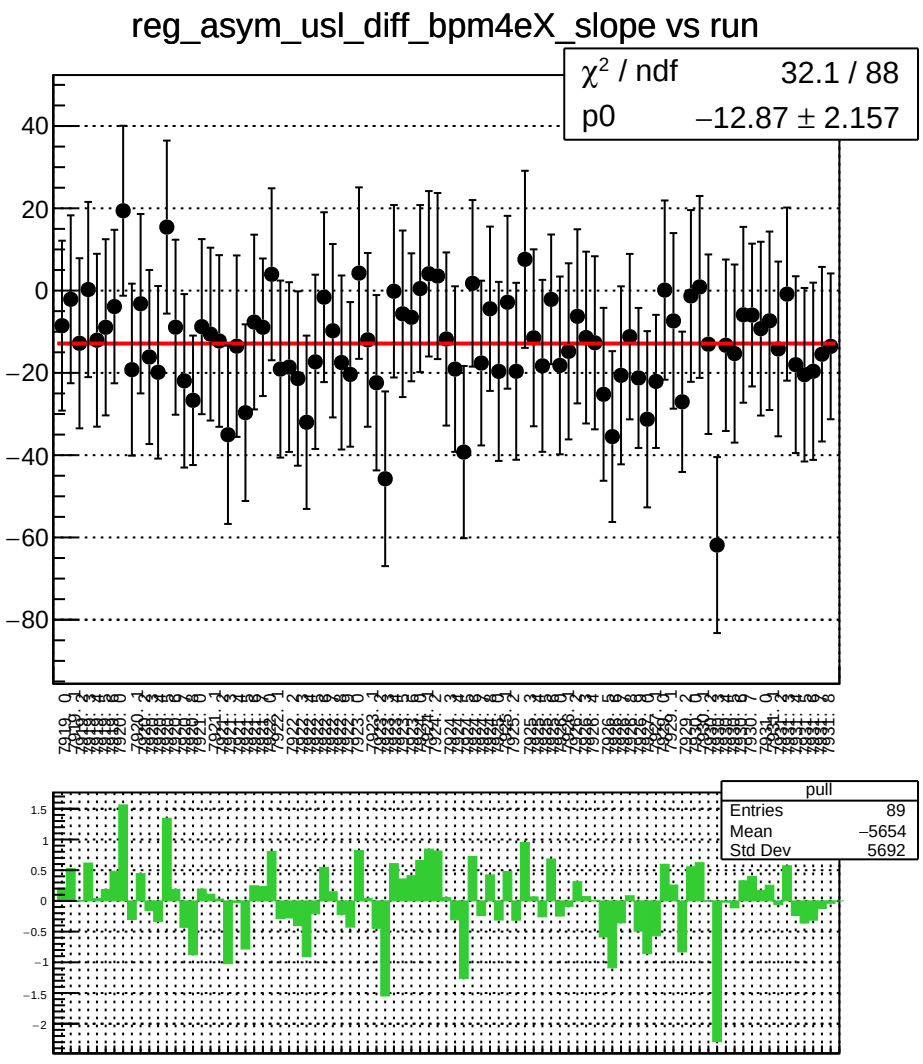

pull1D
Entries 89
Mean 0.0007698
Std Dev 0.186

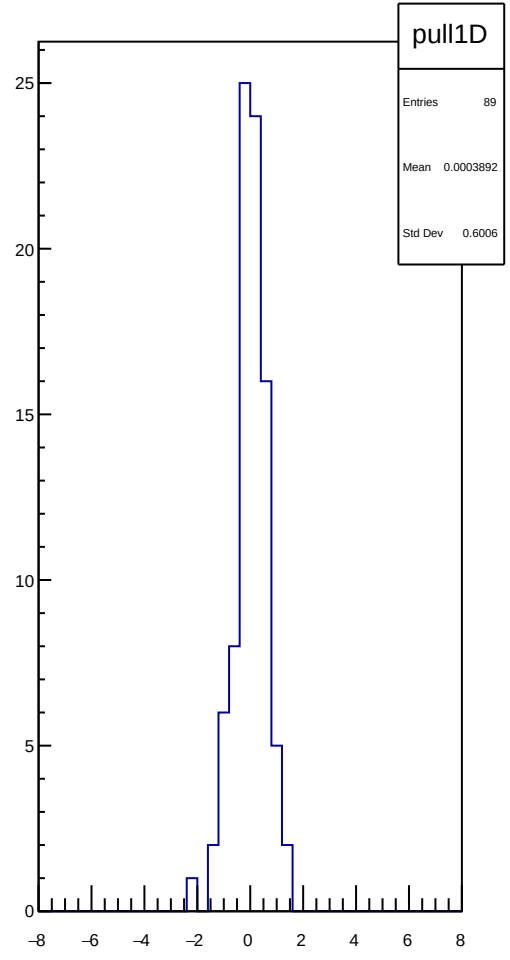

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 31.87 / 88
p0 −50.51± 2.413
pull
Entries 89
Mean −2533
Std Dev 2572

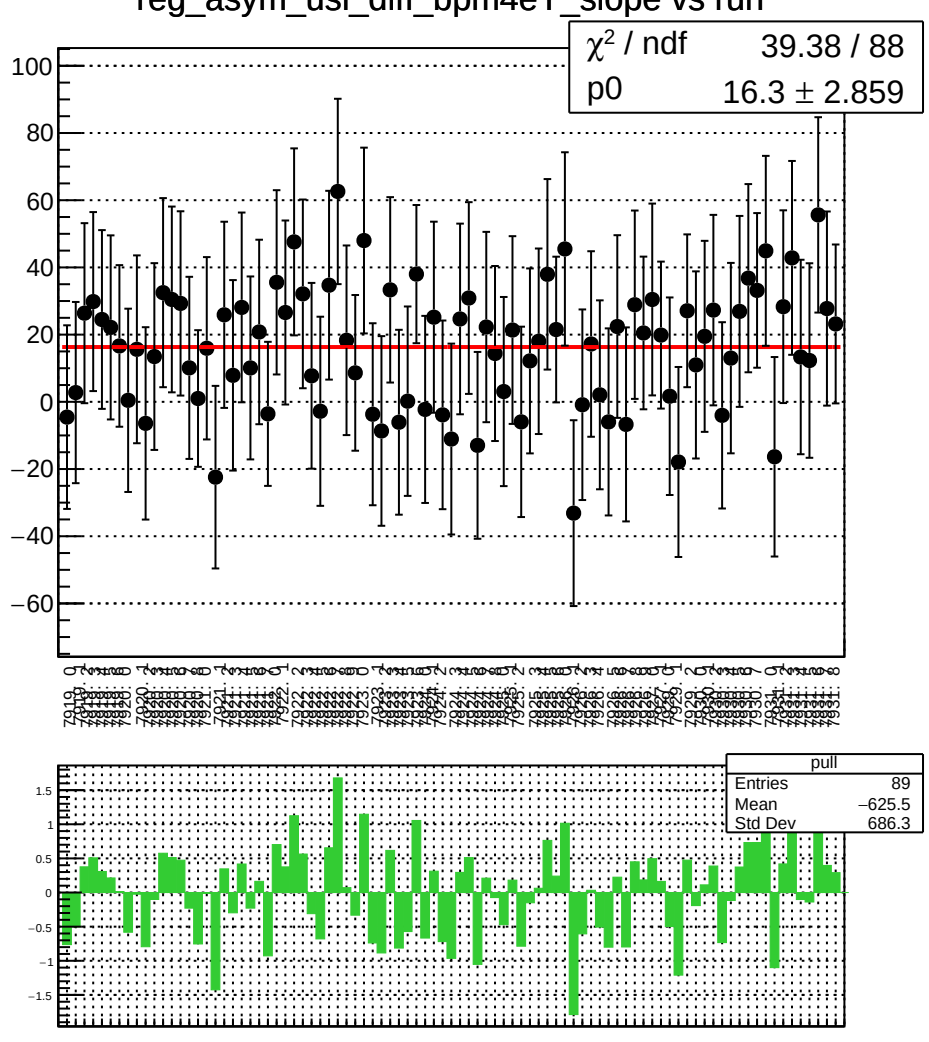

pull1D
Entries 89
Mean −0.0007826
Std Dev 0.5984

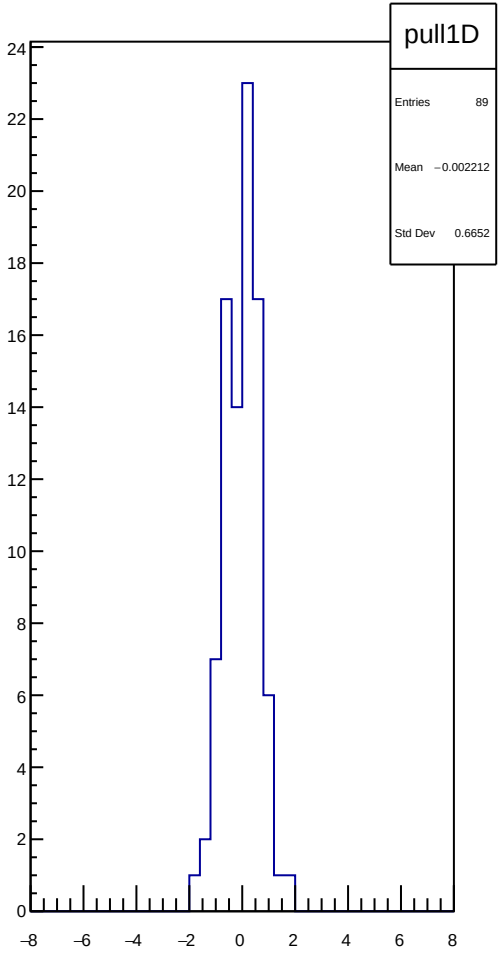

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 37.34 / 88
p0 9.815 ± 2.487
pull
Entries 89
Mean −3764
Std Dev 3814

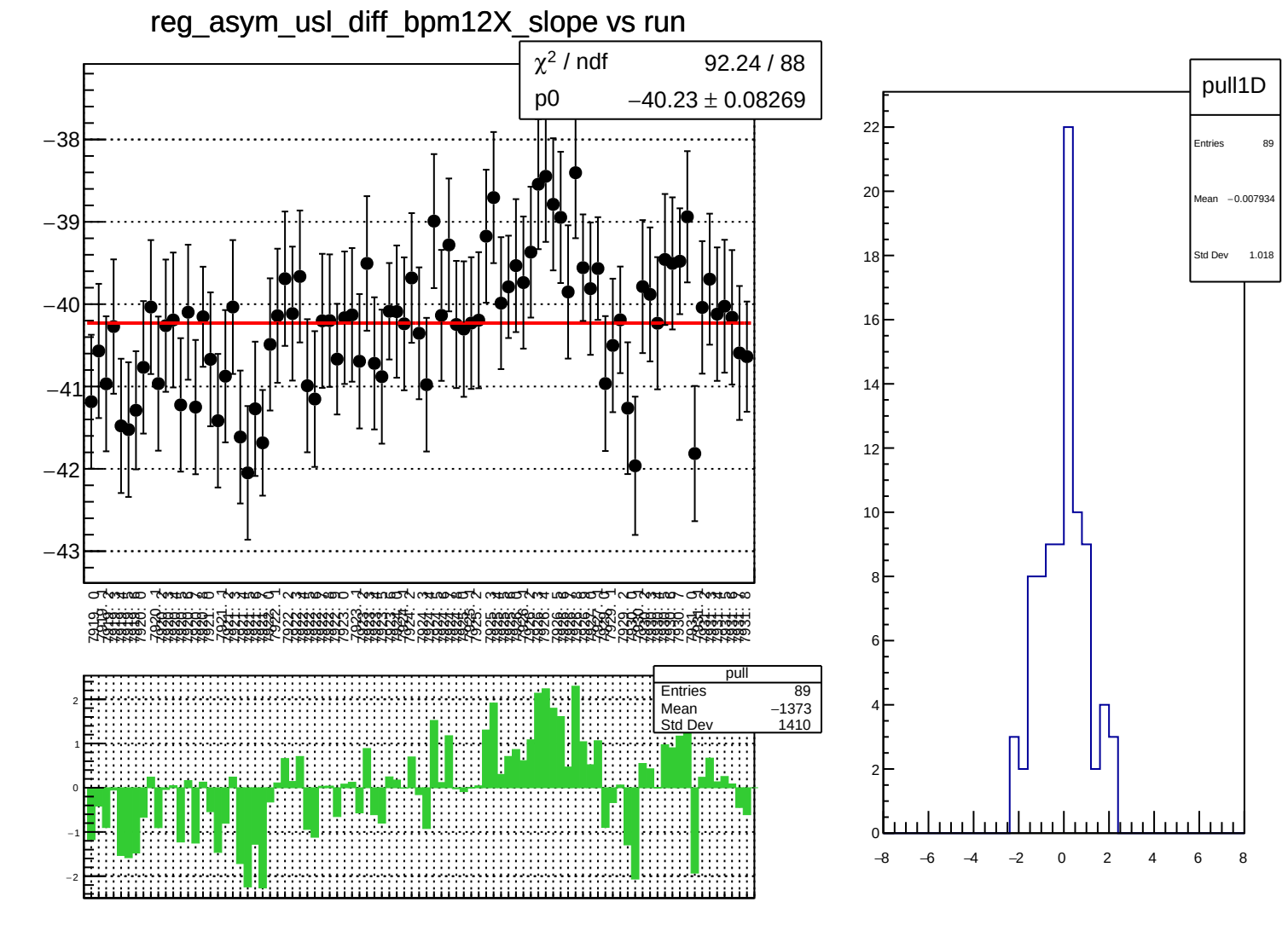

pull1D
Entries 89
Mean 0.0006128
Std Dev 0.6477

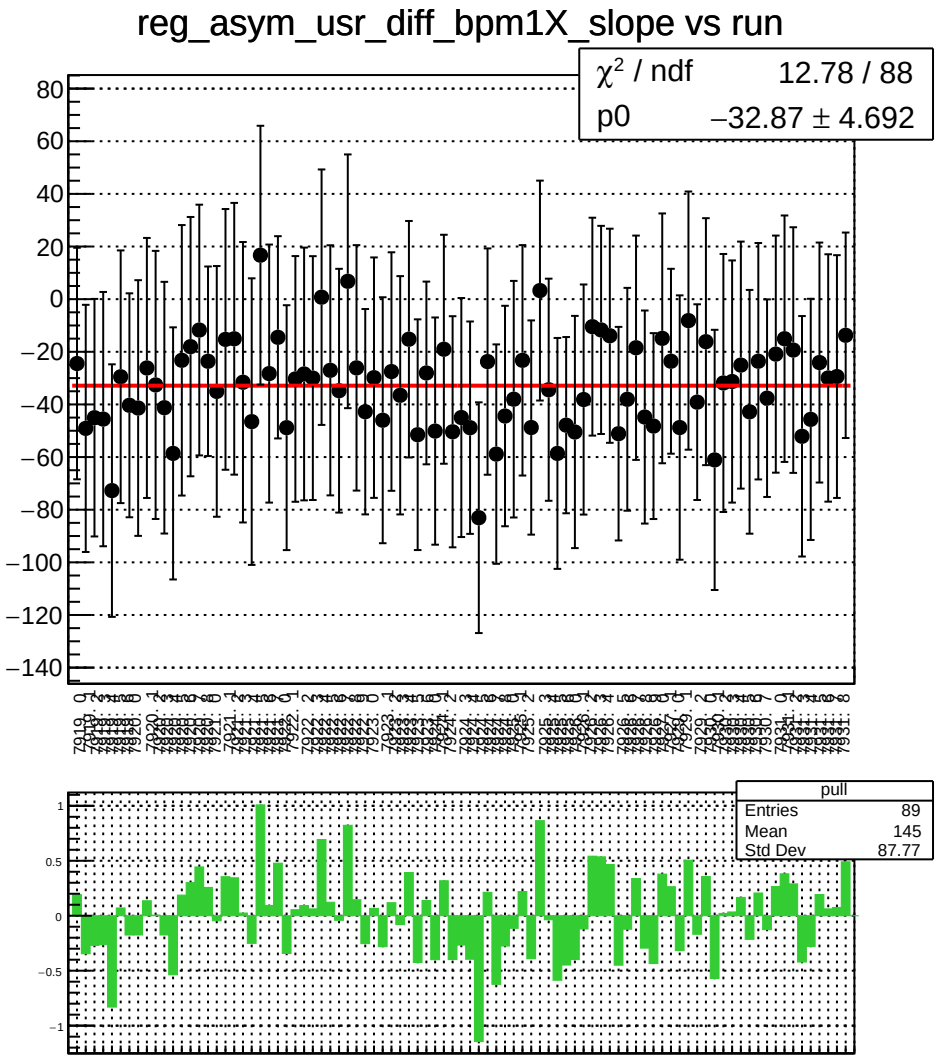

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 32.1 / 88
p0 −12.87 ± 2.157
pull
Entries 89
Mean −5654
Std Dev 5692

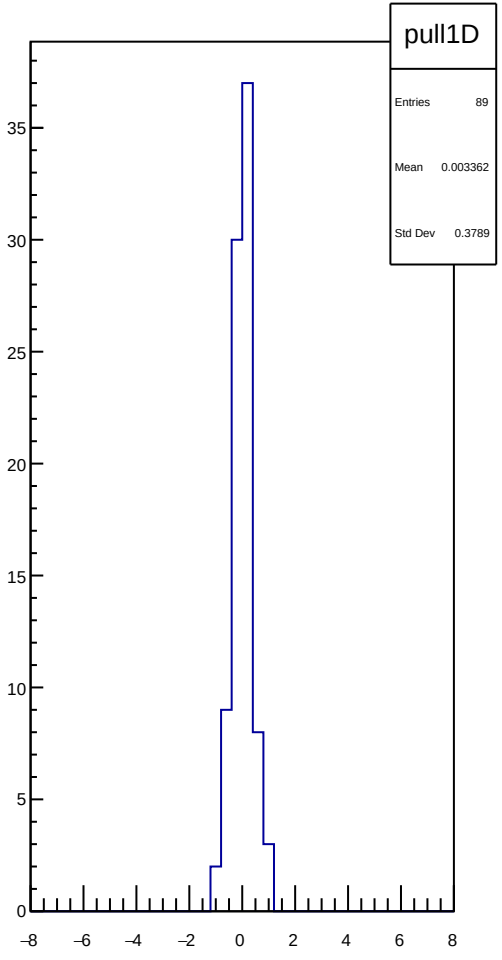

pull1D
Entries 89
Mean 0.0003892
Std Dev 0.6006

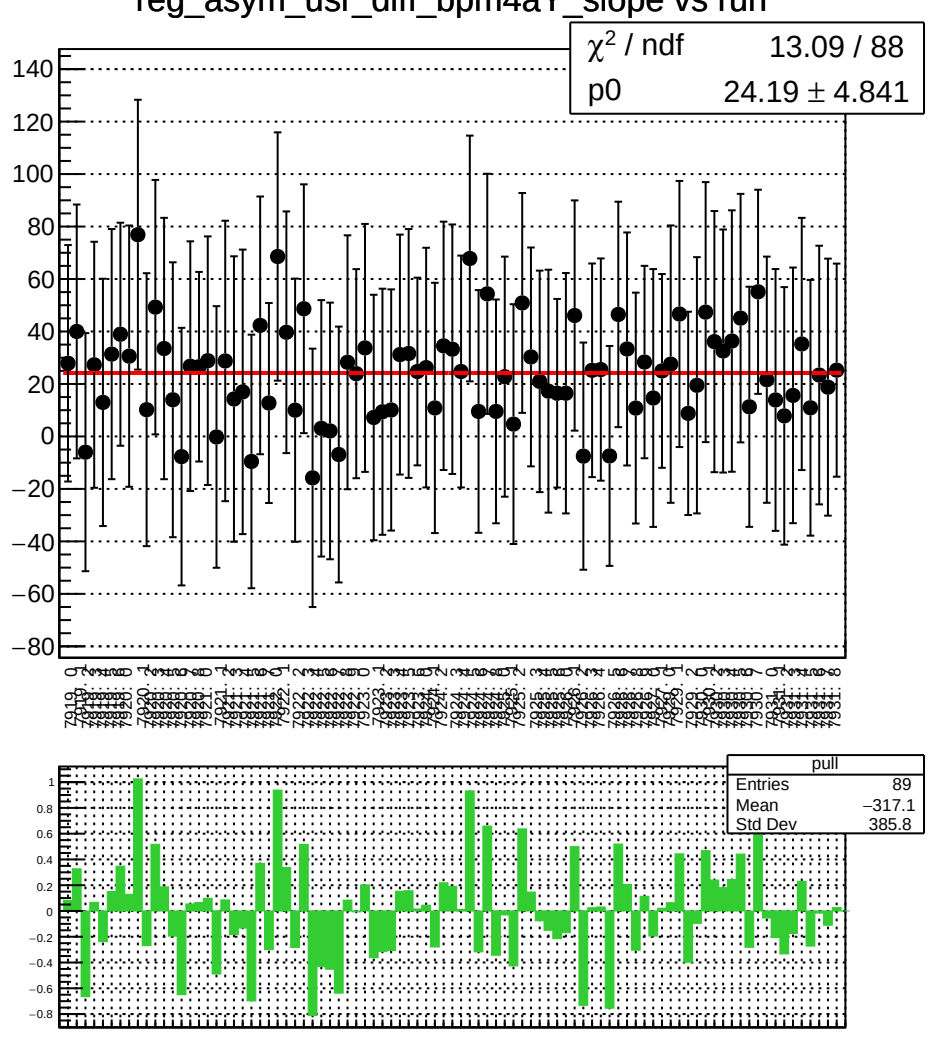

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.38 / 88
p0 16.3 ± 2.859
pull
Entries 89
Mean −625.5
Std Dev 686.3

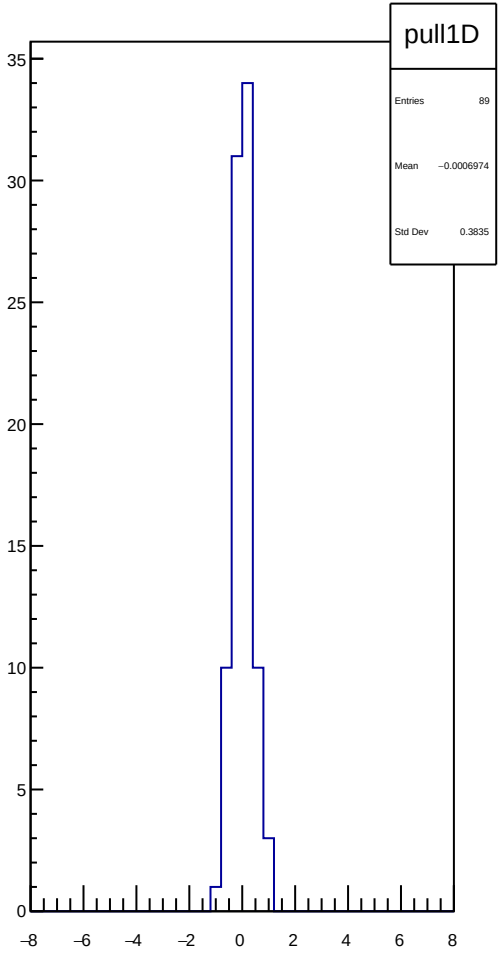

pull1D
Entries 89
Mean −0.002212
Std Dev 0.6652

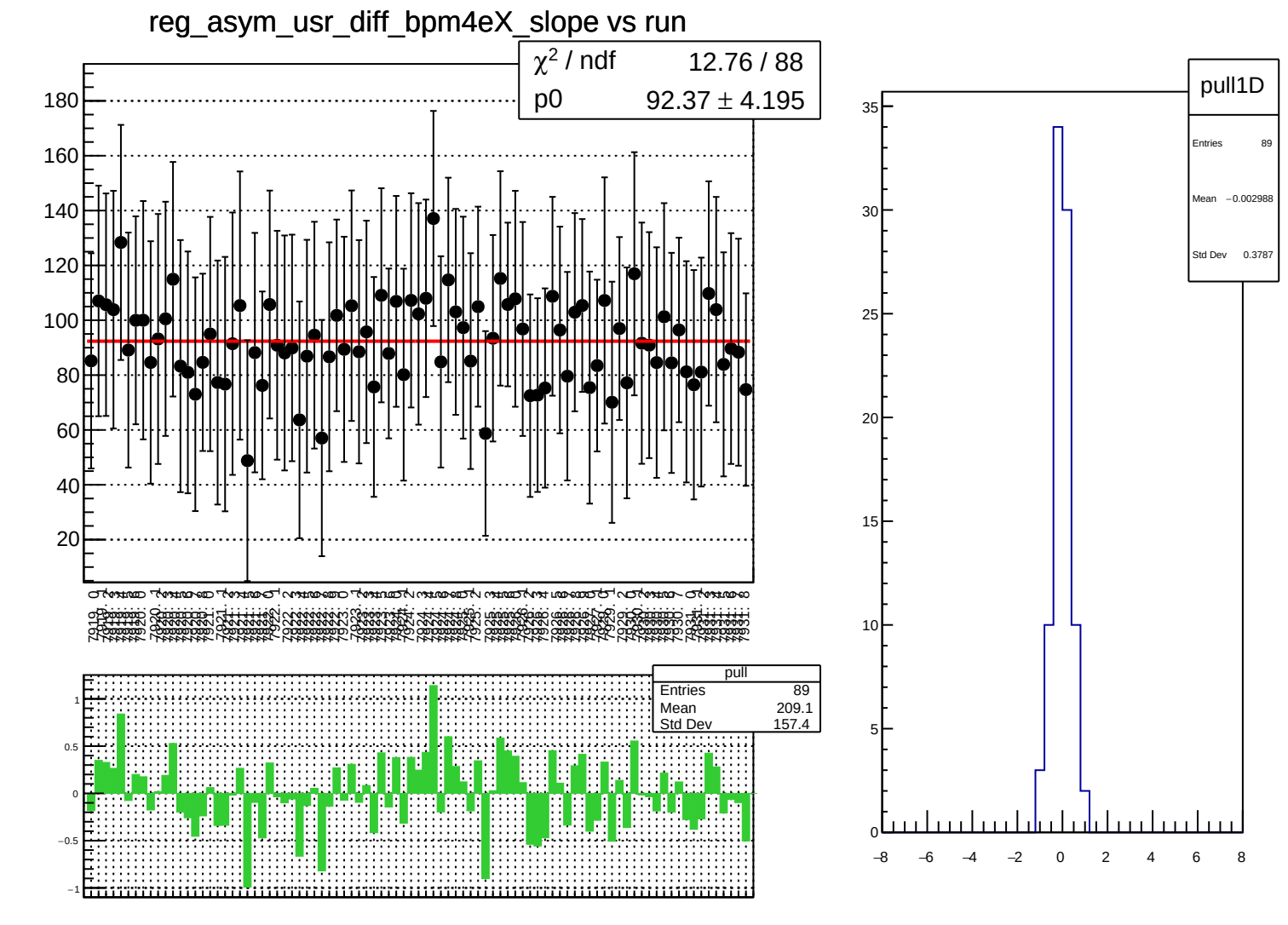

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 92.24 / 88
p0 −40.23 ± 0.08269
pull
Entries 89
Mean −1373
Std Dev 1410
pull1D
Entries 89
Mean −0.007934
Std Dev 1.018

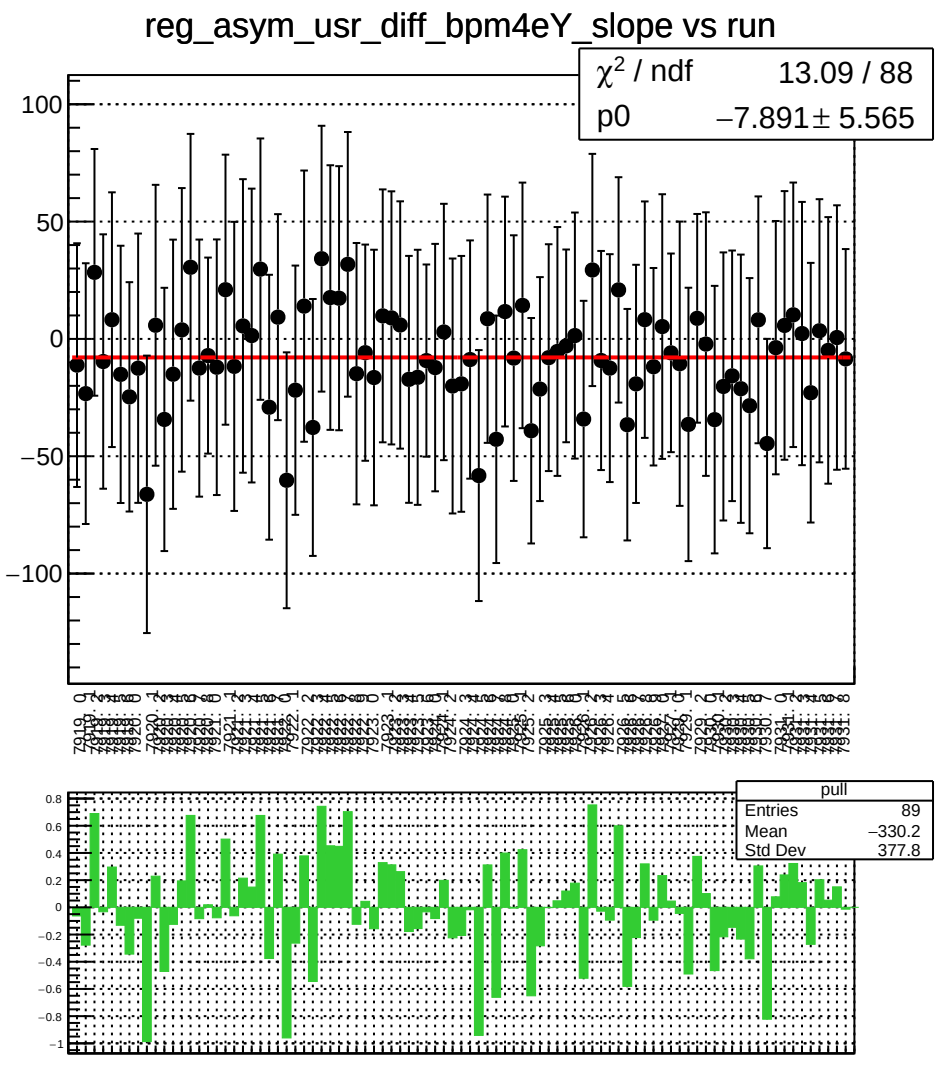

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 12.78 / 88
p0 −32.87 ± 4.692
pull
Entries 89
Mean 145
Std Dev 87.77

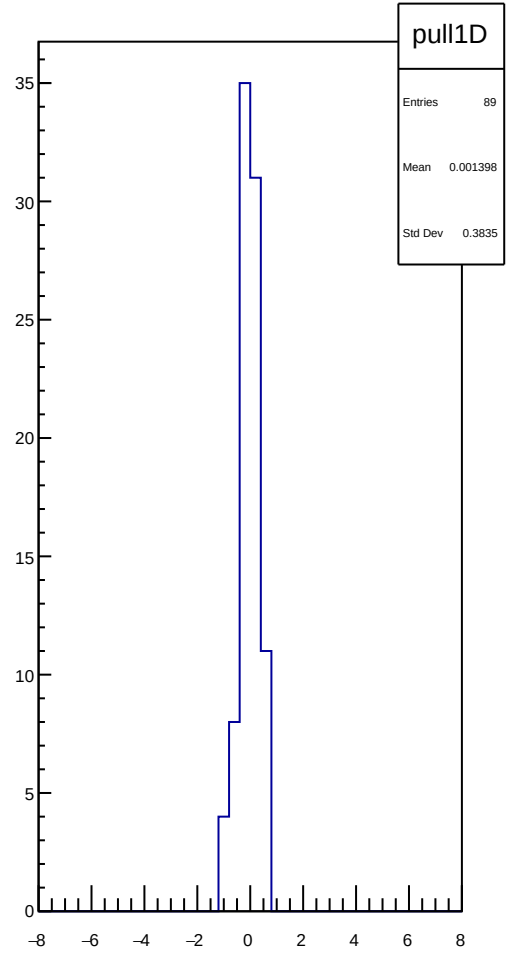

pull1D
Entries 89
Mean 0.003362
Std Dev 0.3789

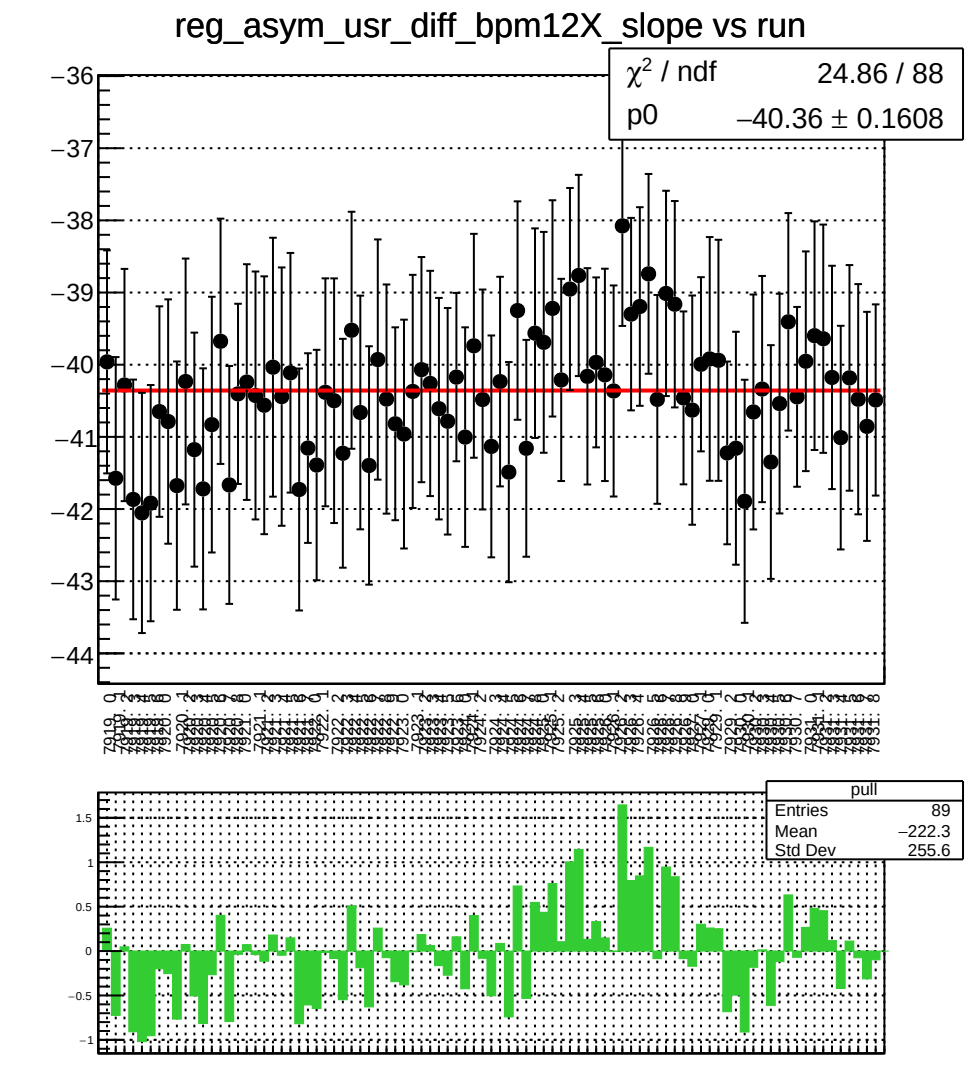

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.09 / 88
p0 24.19 ± 4.841
pull
Entries 89
Mean −317.1
Std Dev 385.8

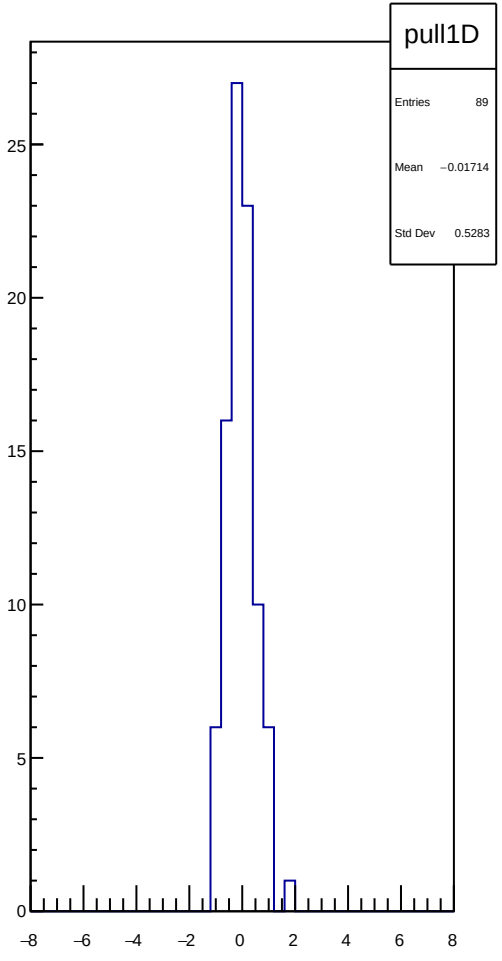

pull1D
Entries 89
Mean −0.0006974
Std Dev 0.3835

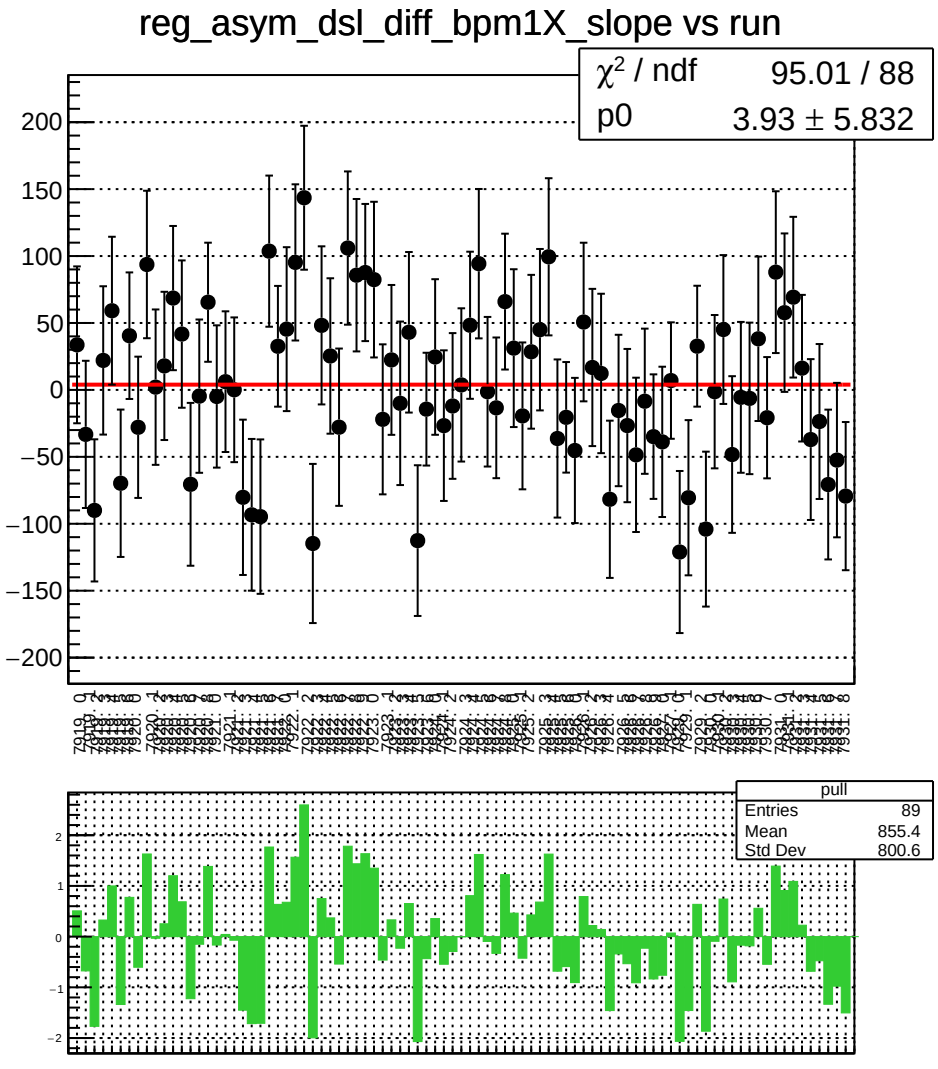

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.76 / 88
p0 92.37 ± 4.195
pull
Entries 89
Mean 209.1
Std Dev 157.4
pull1D
Entries 89
Mean −0.002988
Std Dev 0.3787

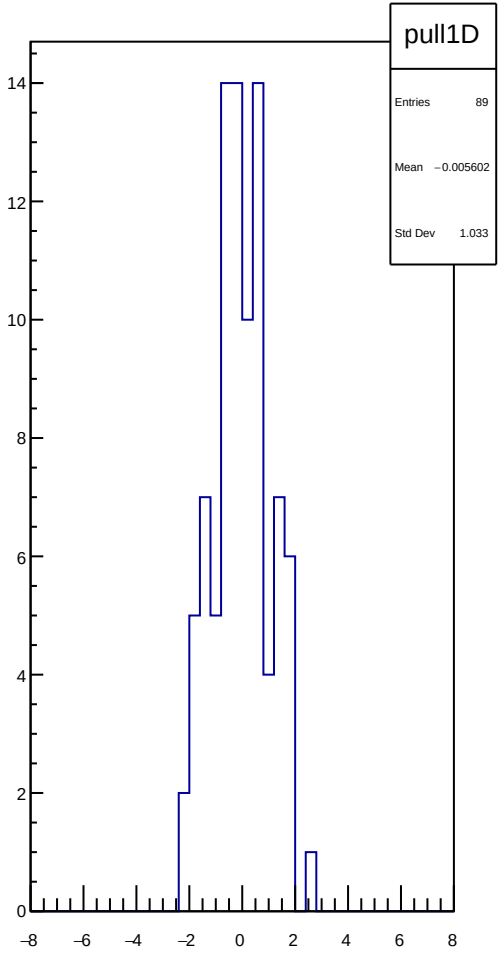

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.09 / 88
p0 −7.891 ± 5.565
pull
Entries 89
Mean −330.2
Std Dev 377.8

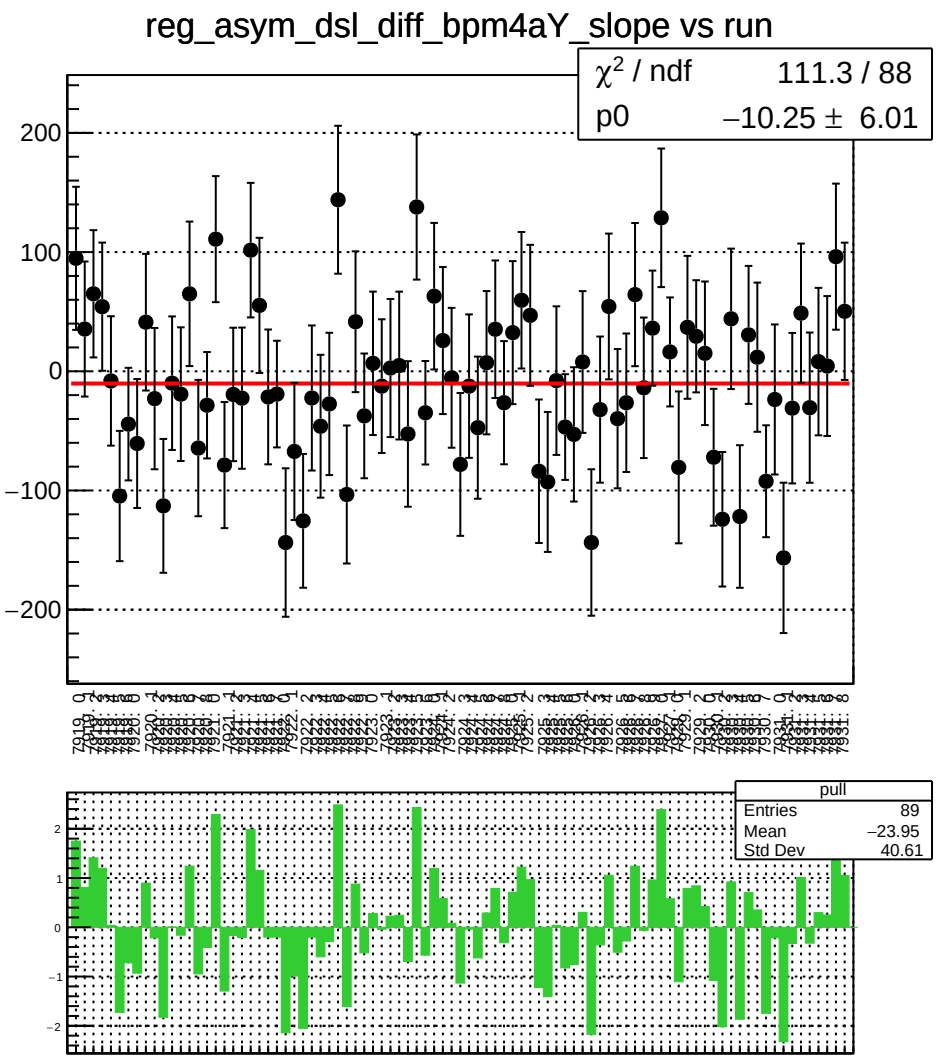

pull1D
Entries 89
Mean 0.001398
Std Dev 0.3835

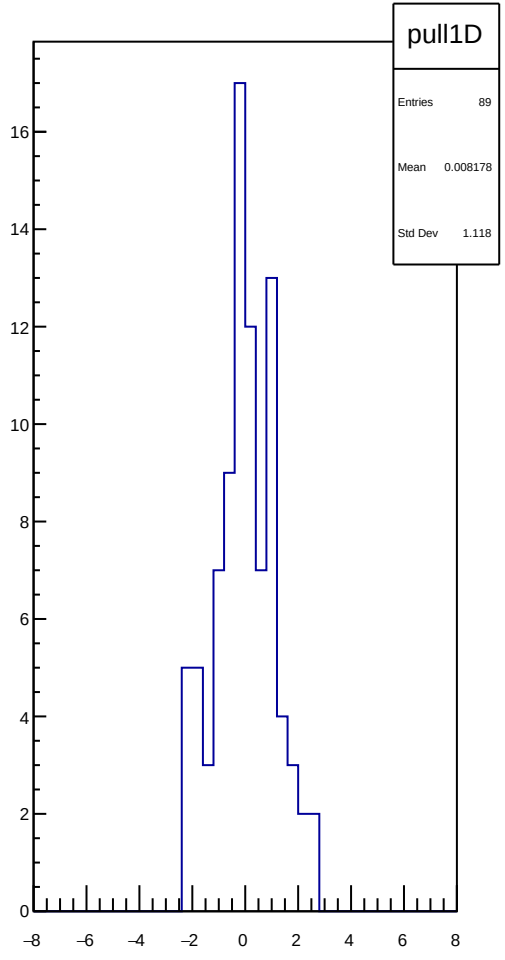

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 24.86 / 88
p0 −40.36 ± 0.1608
pull
Entries 89
Mean −222.3
Std Dev 255.6

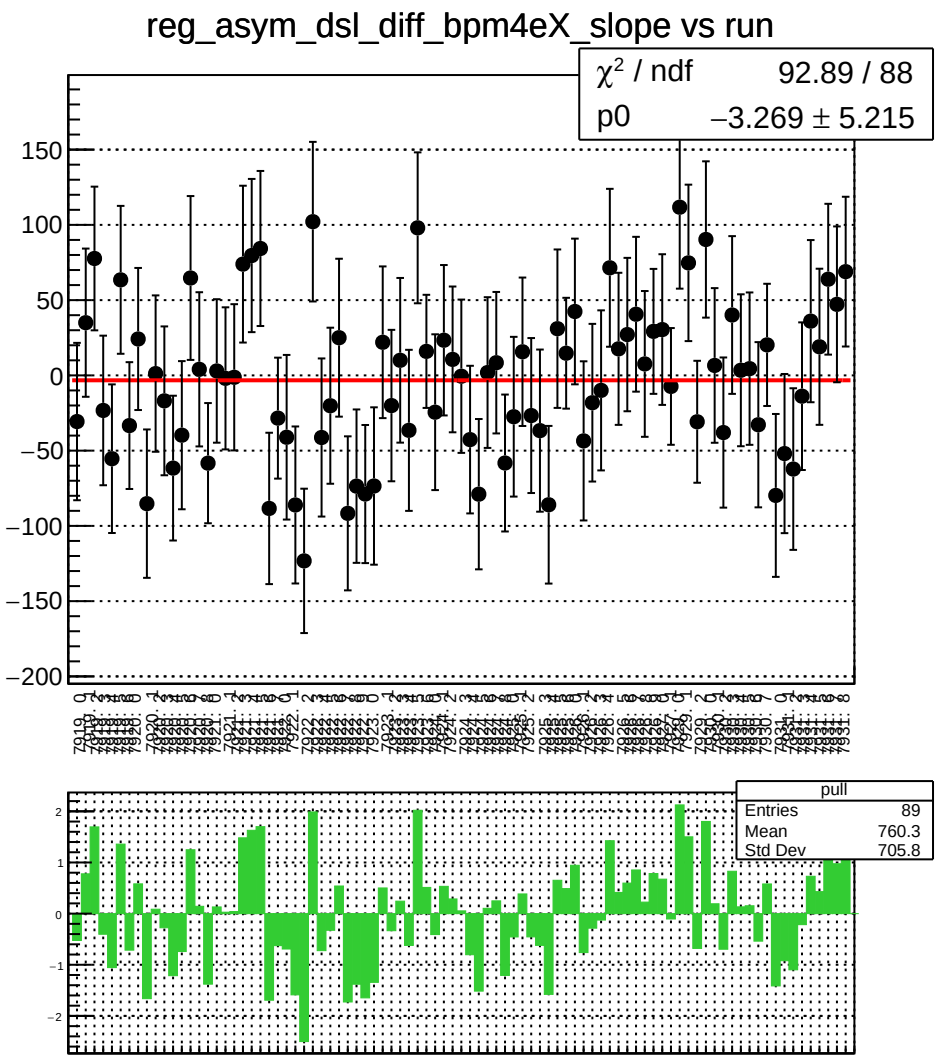

pull1D
Entries 89
Mean −0.01714
Std Dev 0.5283

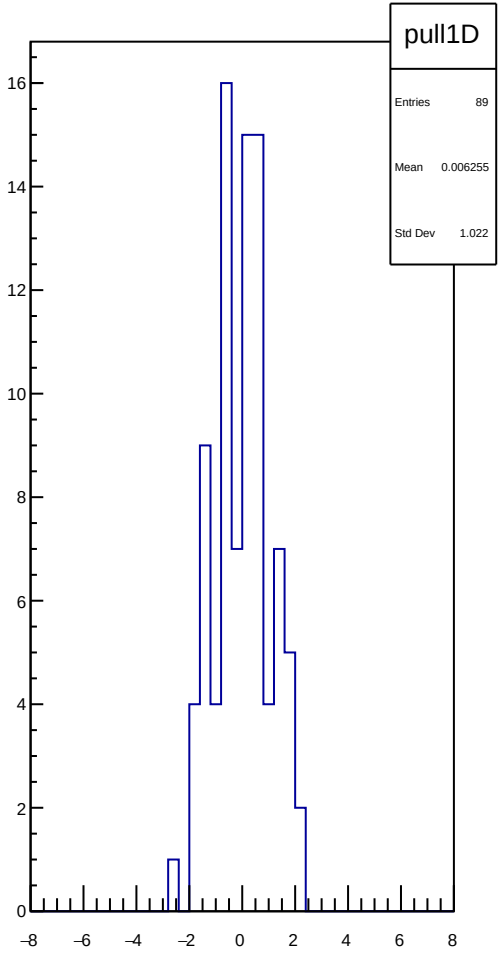

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 95.01 / 88
p0 3.93 ± 5.832
pull
Entries 89
Mean 855.4
Std Dev 800.6

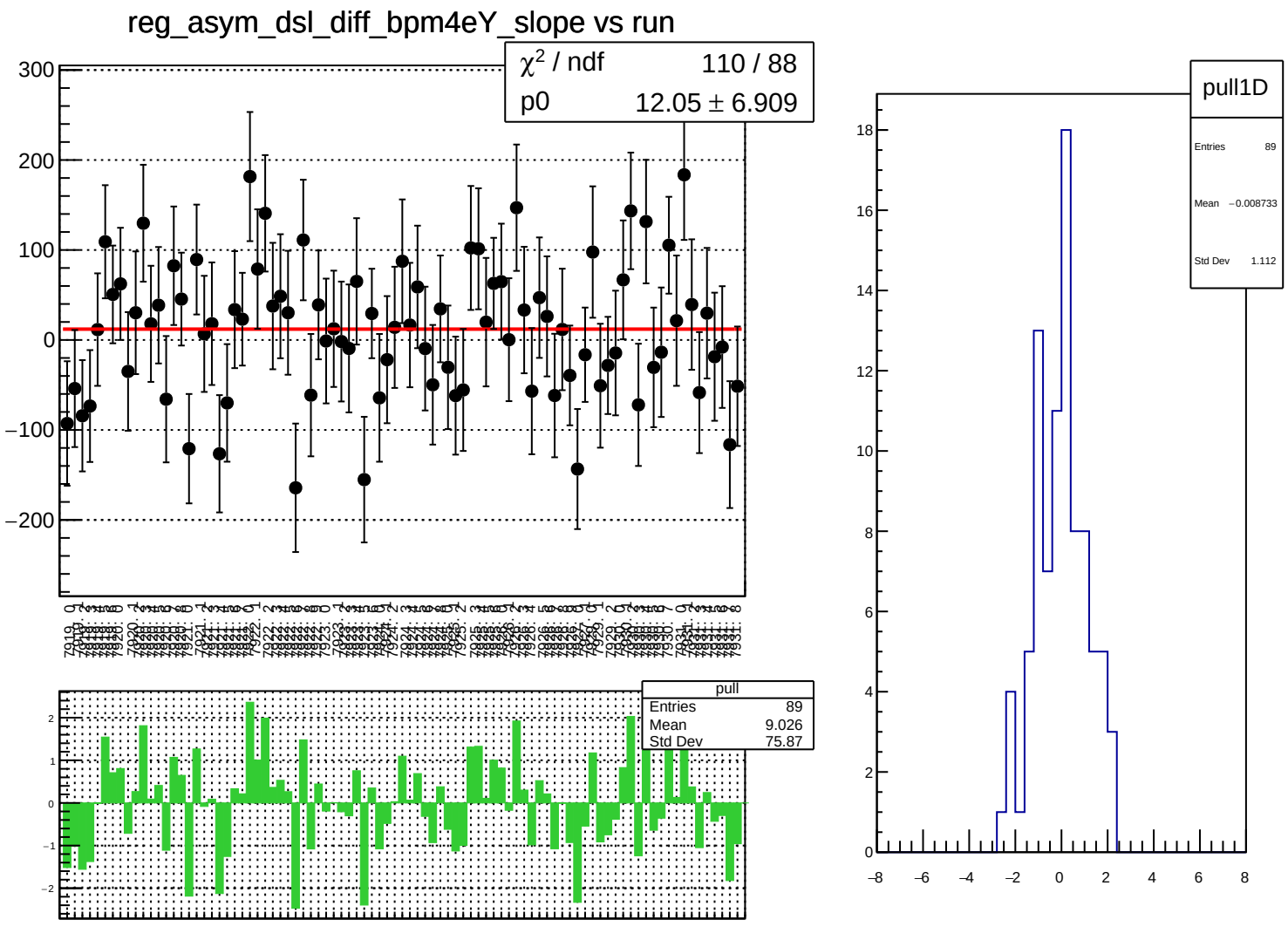

pull1D
Entries 89
Mean −0.005602
Std Dev 1.033

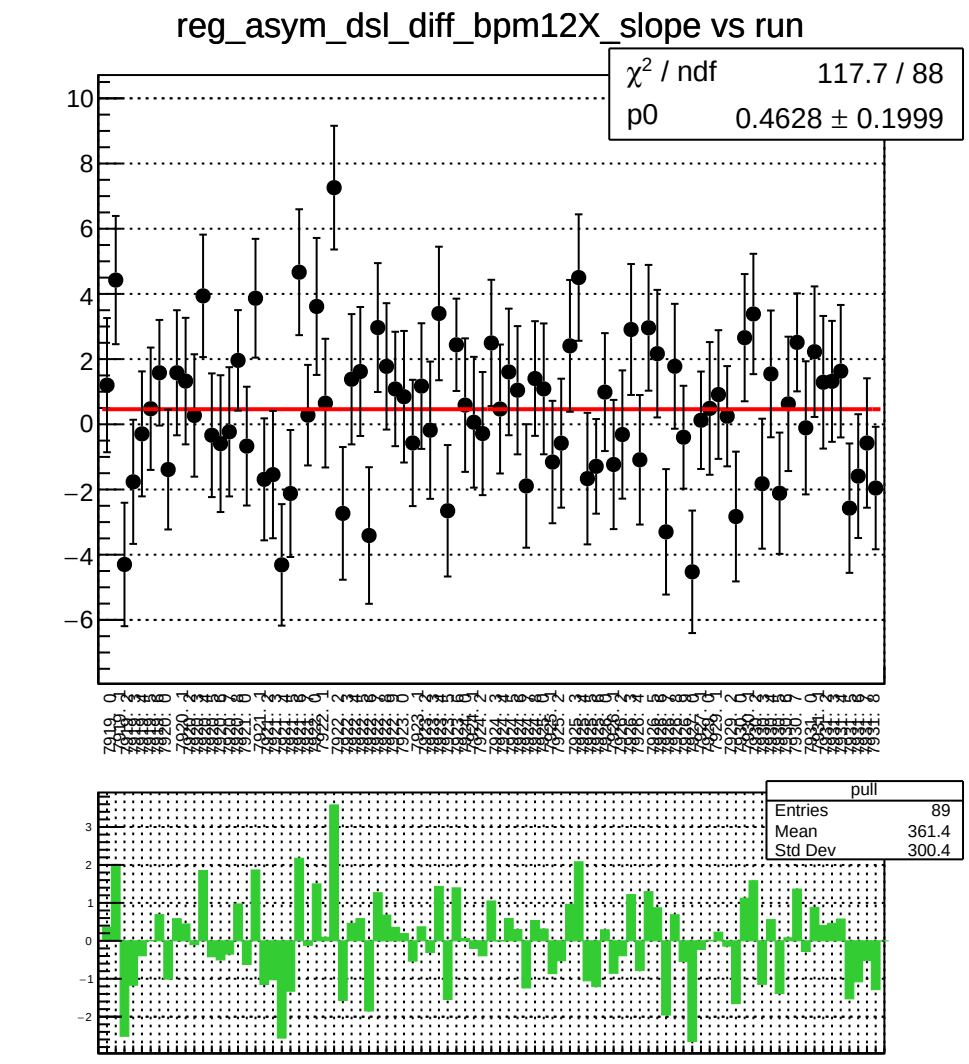

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 111.3 / 88
p0 −10.25 ± 6.01
200
100
0
−100
−200
pull
Entries 89
Mean −23.95
Std Dev 40.61
2
1
0
−1
−2

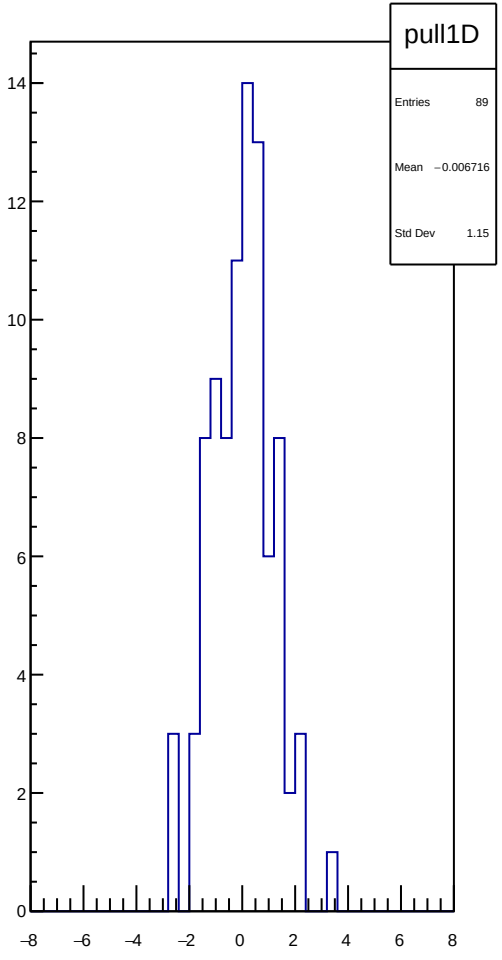

pull1D
Entries 89
Mean 0.008178
Std Dev 1.118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

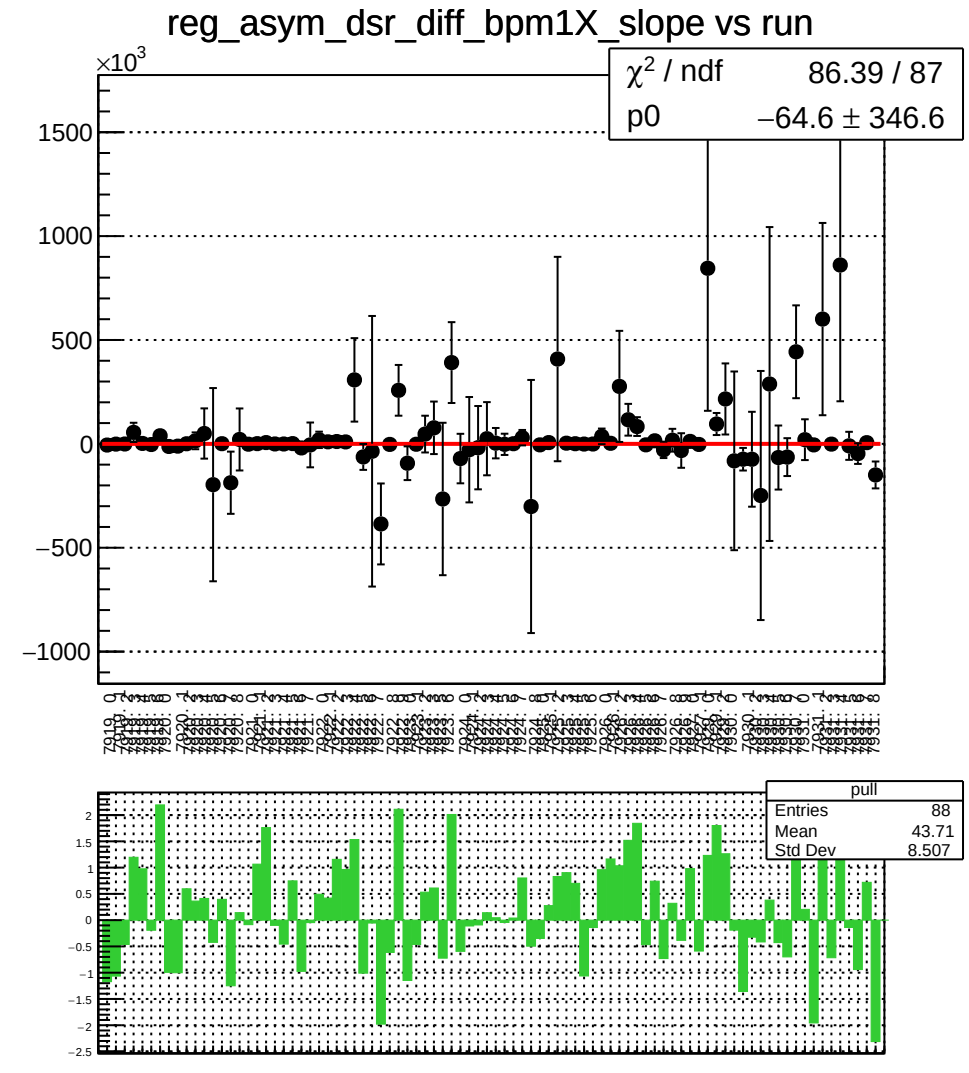

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 92.89 / 88
p0 −3.269 ± 5.215
pull
Entries 89
Mean 760.3
Std Dev 705.8

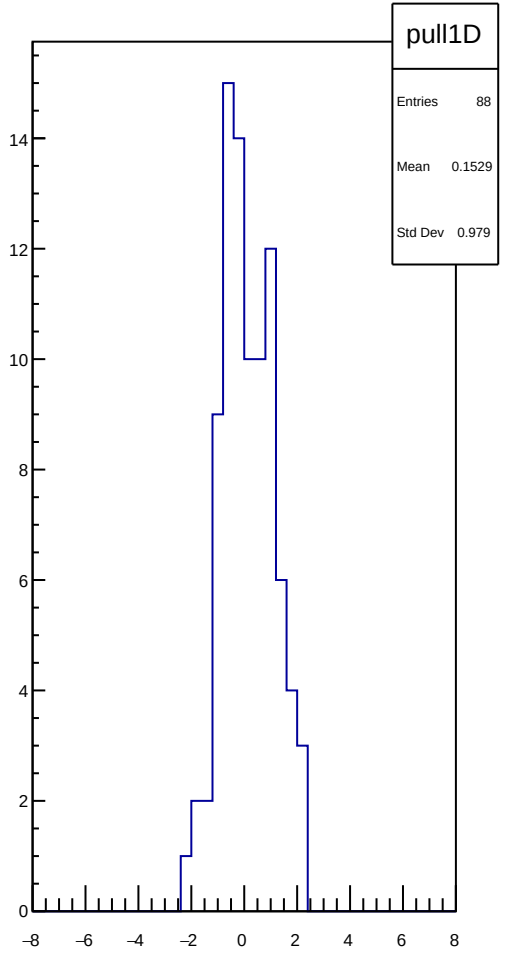

pull1D
Entries 89
Mean 0.006255
Std Dev 1.022

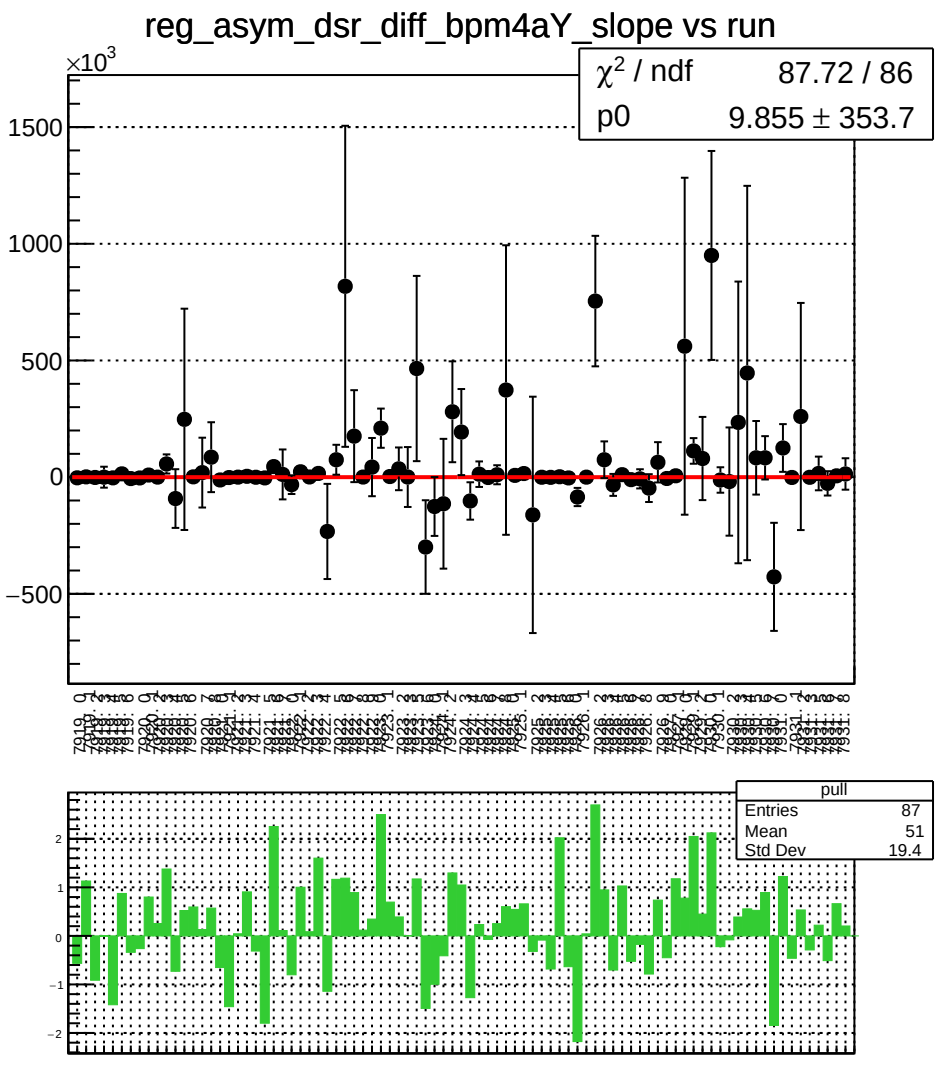

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 110 / 88
p0 12.05 ± 6.909
pull
Entries 89
Mean 9.026
Std Dev 75.87
pull1D
Entries 89
Mean −0.008733
Std Dev 1.112

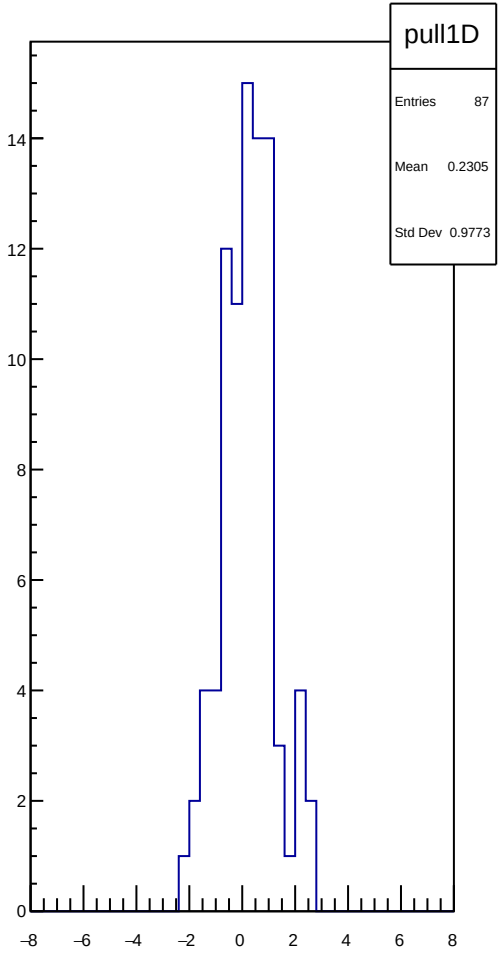

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 88
p0 0.4628 ± 0.1999
pull
Entries 89
Mean 361.4
Std Dev 300.4

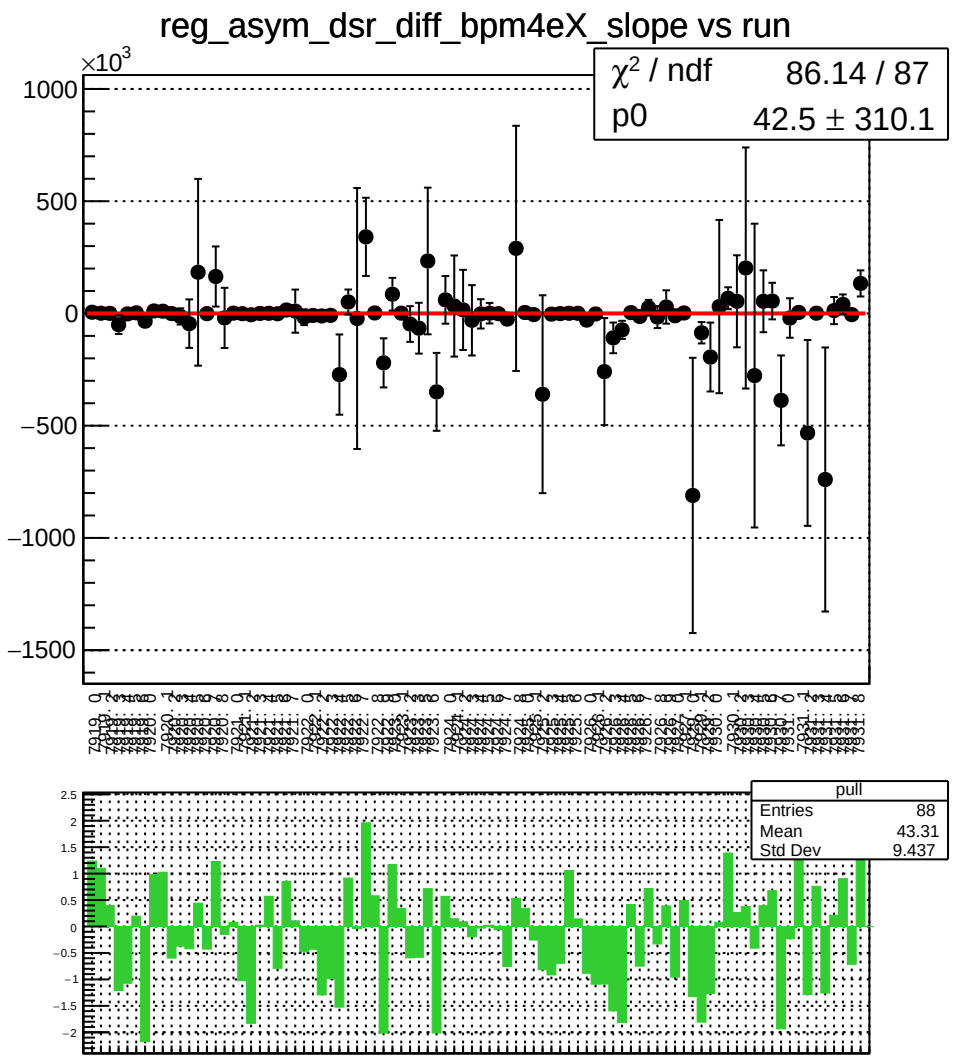

pull1D
Entries 89
Mean −0.006716
Std Dev 1.15

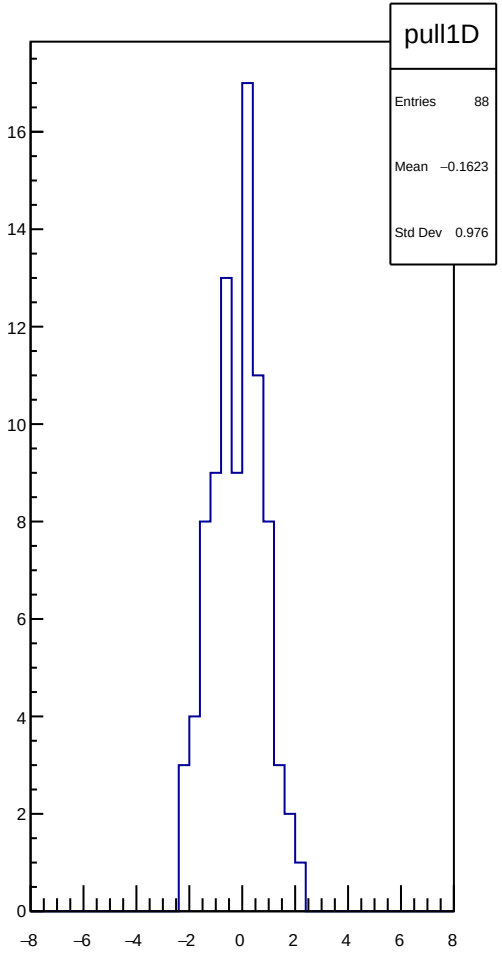

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 86.39 / 87
p0 −64.6 ± 346.6
1500
1000
500
0
−500
−1000
pull
Entries 88
Mean 43.71
Std Dev 8.507
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

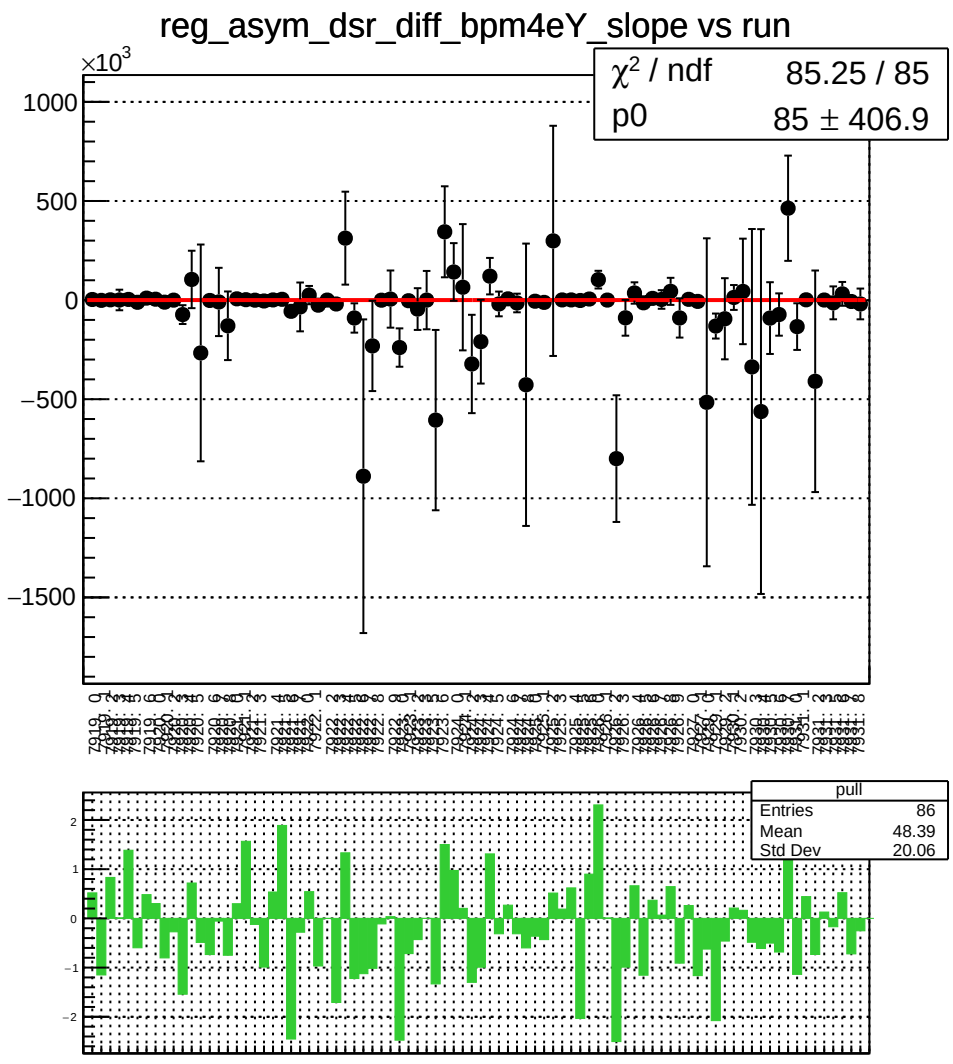

pull1D
Entries 88
Mean 0.1529
Std Dev 0.979
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

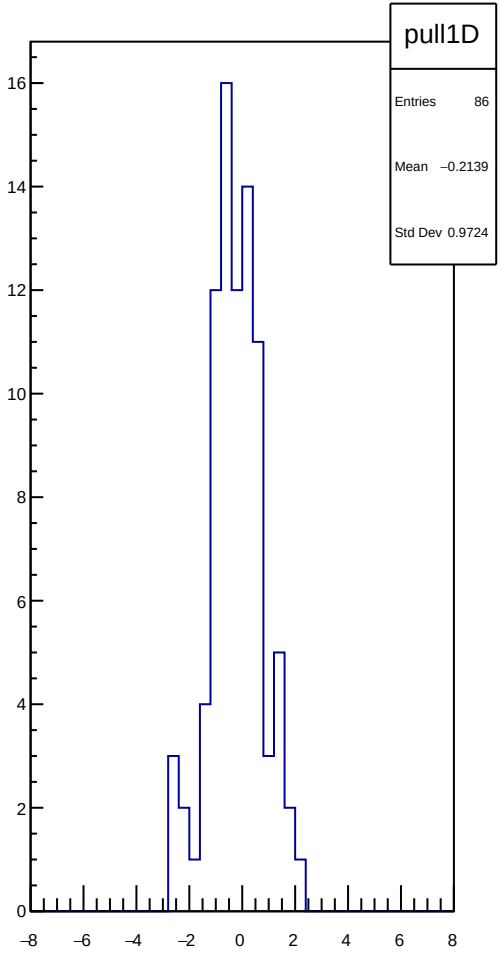

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 87.72 / 86
p0 9.855 ± 353.7
1500
1000
500
0
−500
pull
Entries 87
Mean 51
Std Dev 19.4
2
1
0
−1
−2

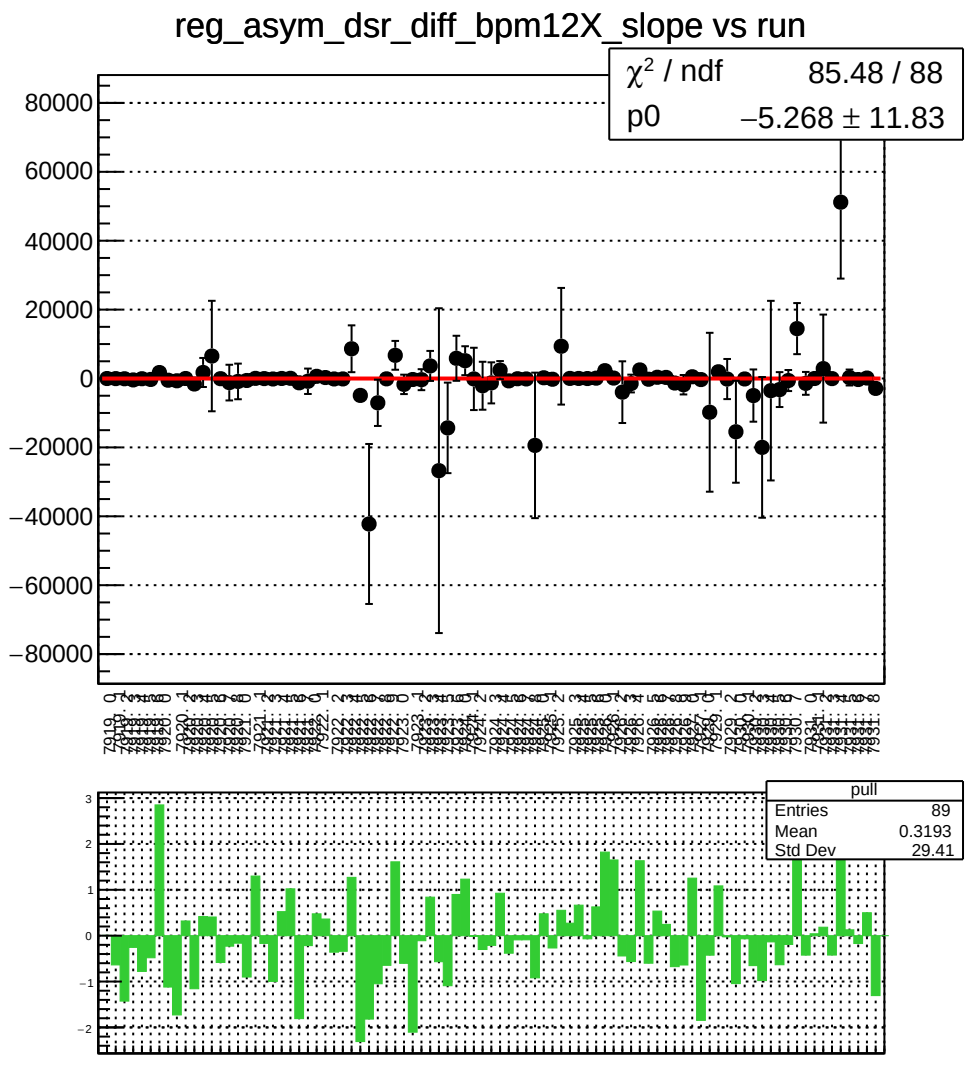

pull1D
Entries 87
Mean 0.2305
Std Dev 0.9773
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

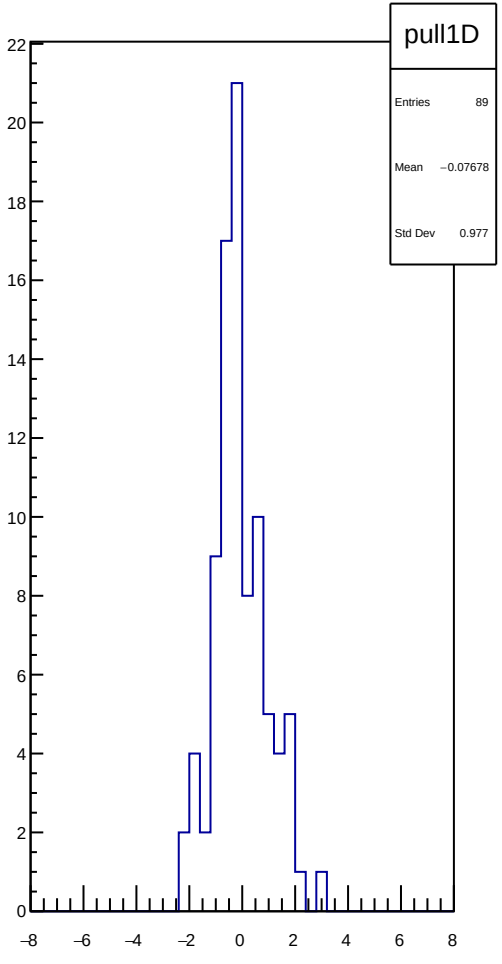

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 86.14 / 87
p0 42.5 ± 310.1
pull
Entries 88
Mean 43.31
Std Dev 9.437

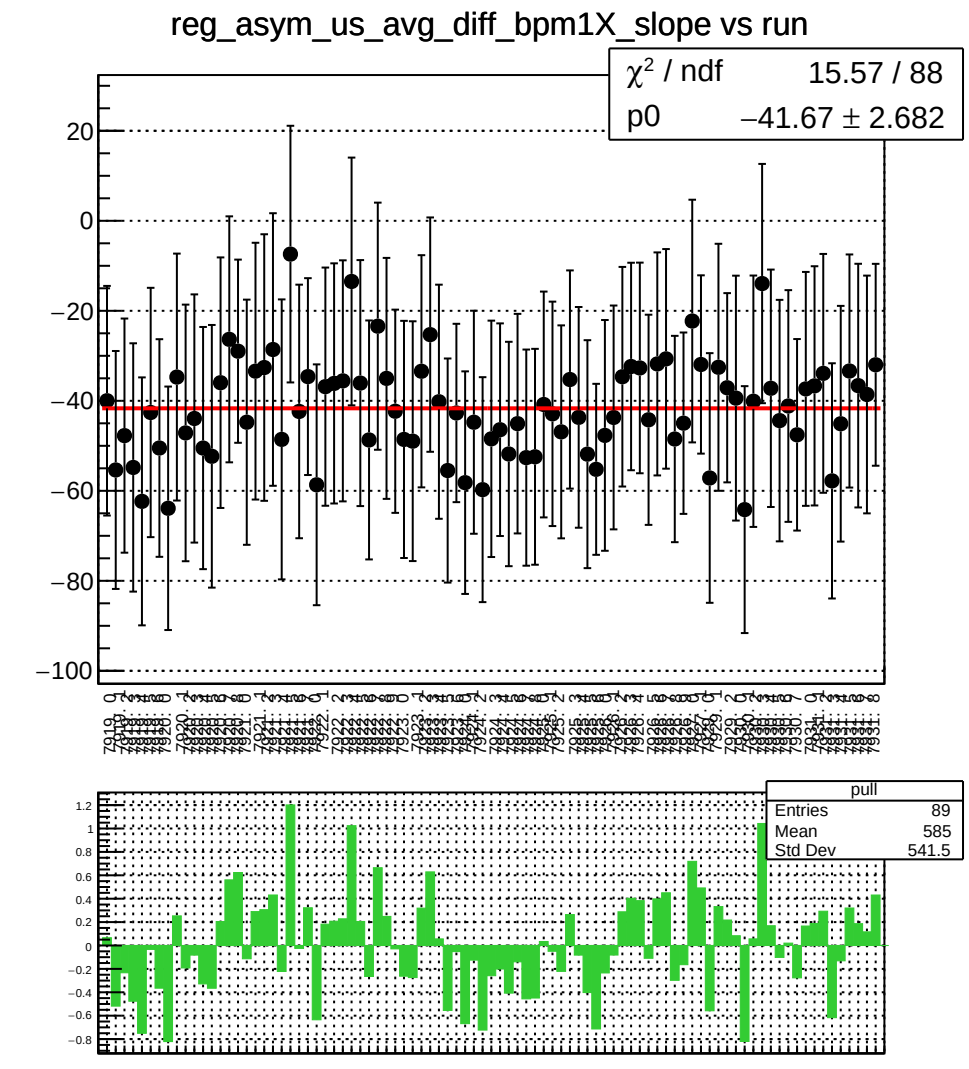

pull1D
Entries 88
Mean −0.1623
Std Dev 0.976

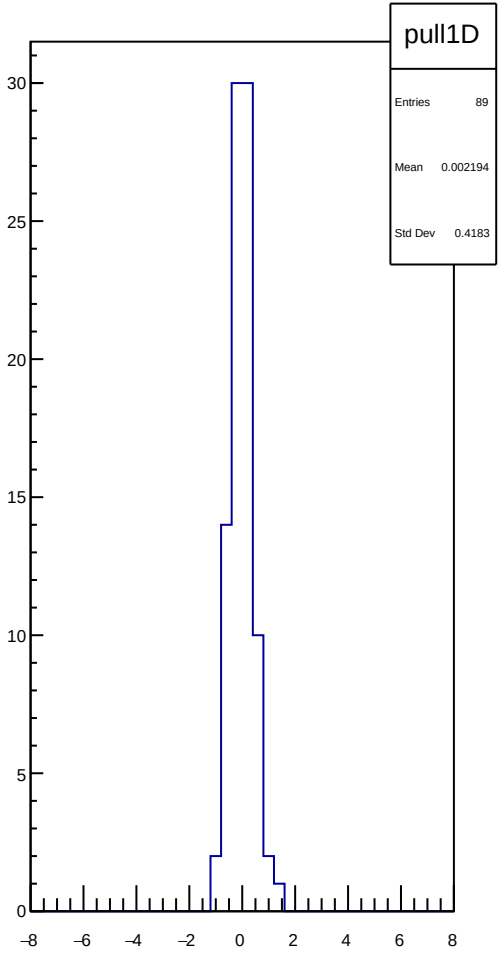

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 85.25 / 85
p0 85 ± 406.9
pull
Entries 86
Mean 48.39
Std Dev 20.06

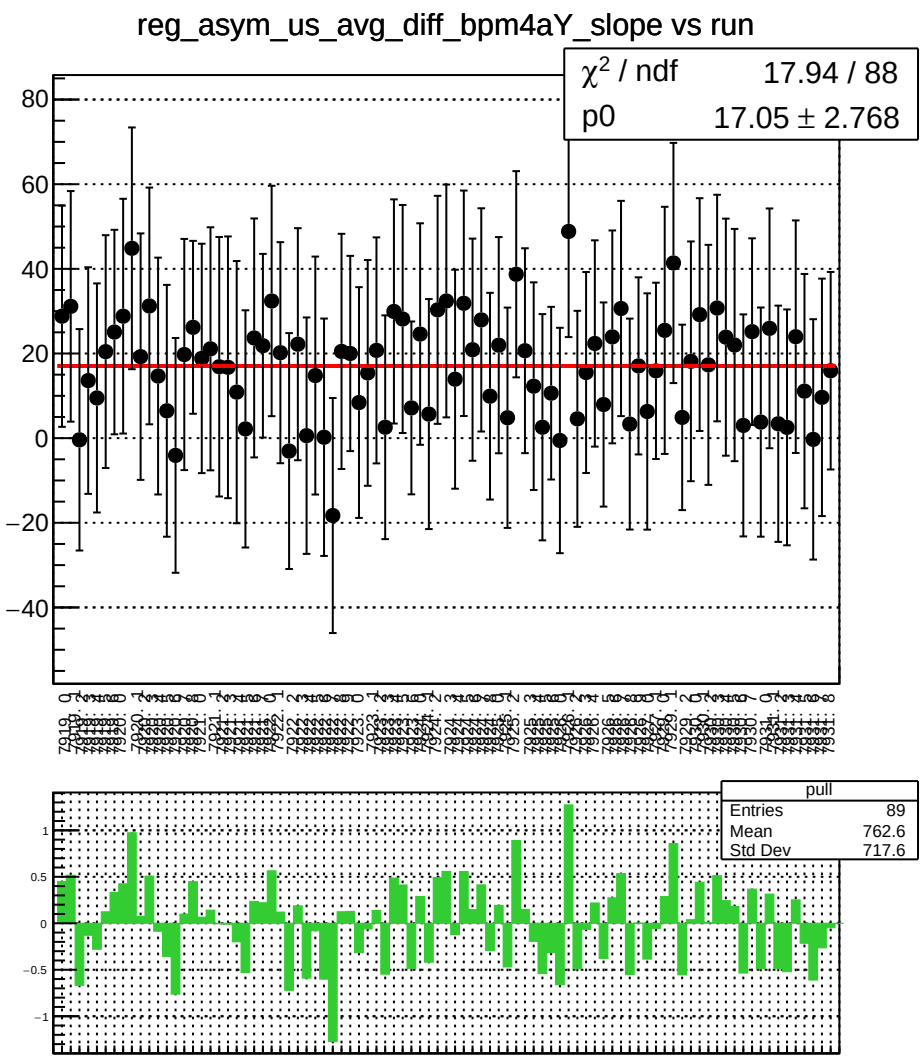

pull1D
Entries 86
Mean −0.2139
Std Dev 0.9724

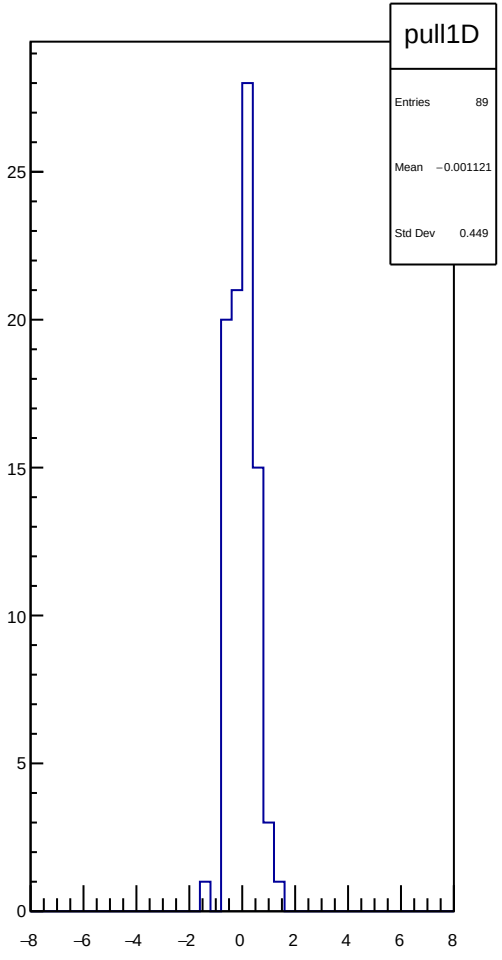

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 85.48 / 88
p0 −5.268 ± 11.83
pull
Entries 89
Mean 0.3193
Std Dev 29.41

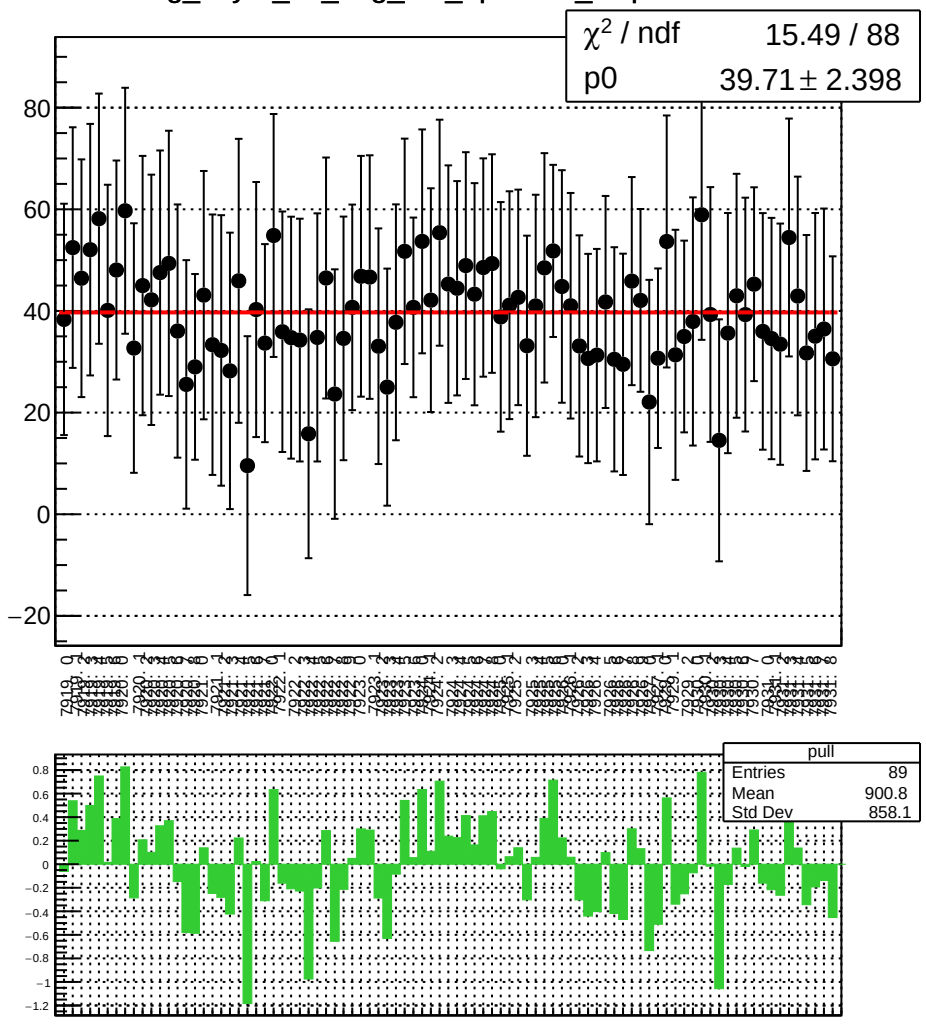

pull1D
Entries 89
Mean −0.07678
Std Dev 0.977

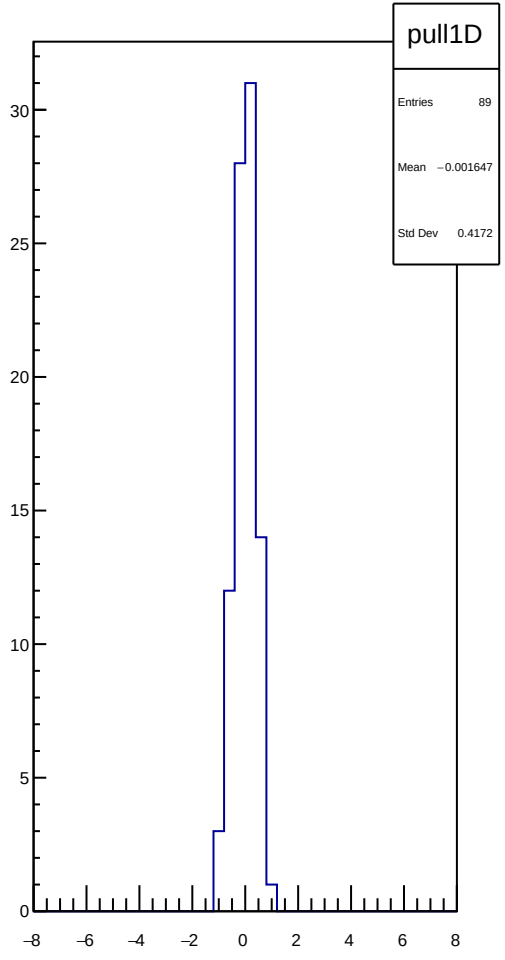

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 15.57 / 88
p0 −41.67 ± 2.682
pull
Entries 89
Mean 585
Std Dev 541.5

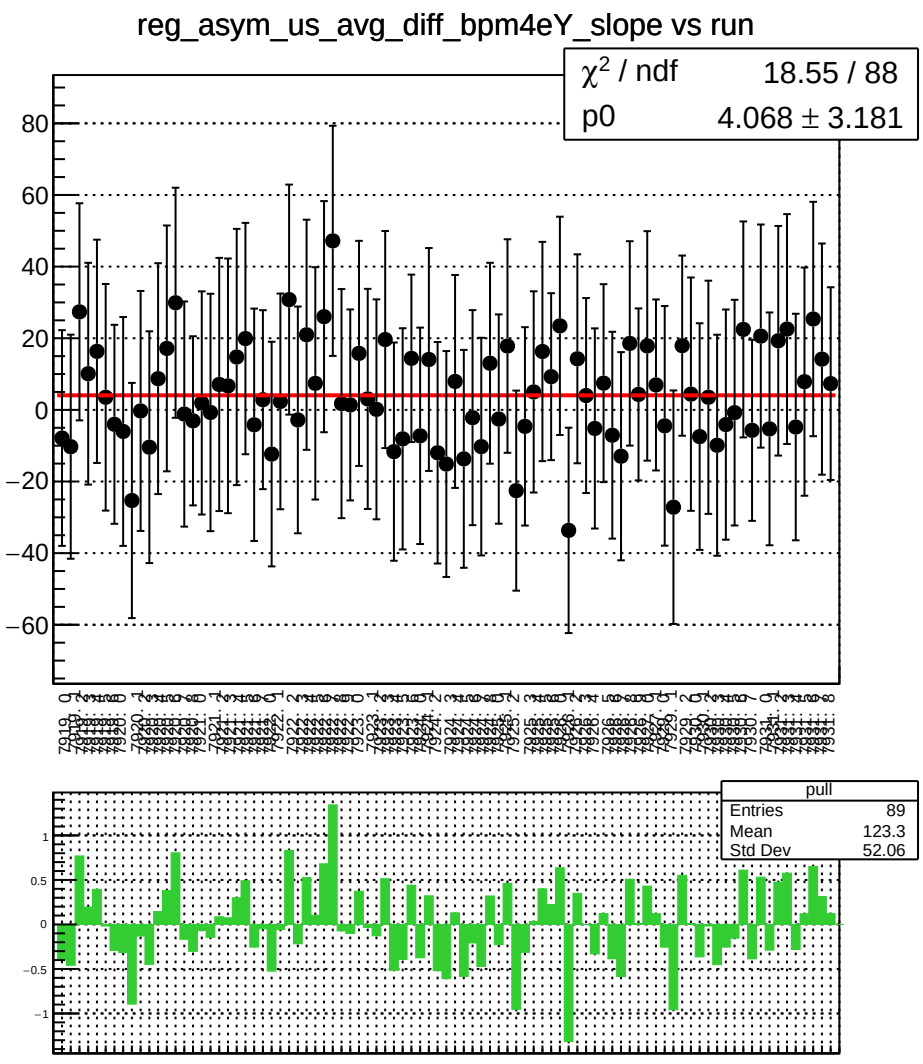

pull1D
Entries 89
Mean 0.002194
Std Dev 0.4183

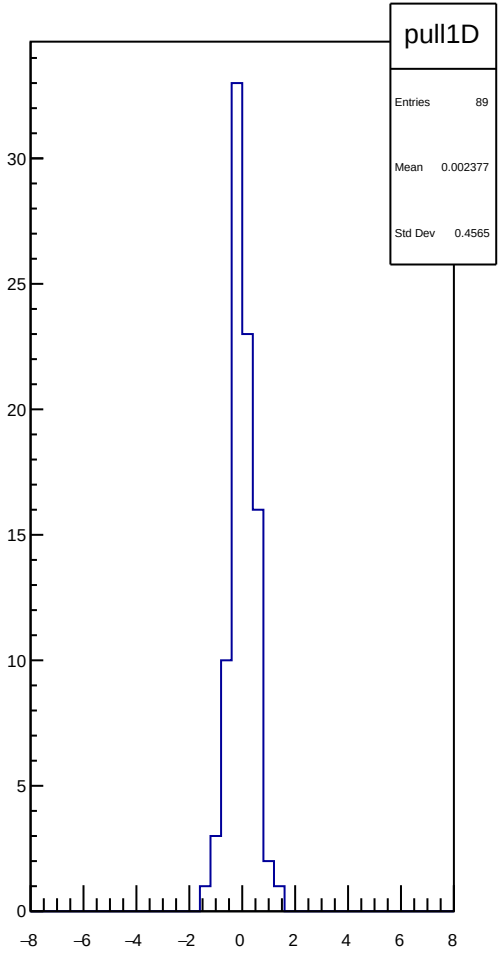

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.94 / 88
p0 17.05 ± 2.768
pull
Entries 89
Mean 762.6
Std Dev 717.6

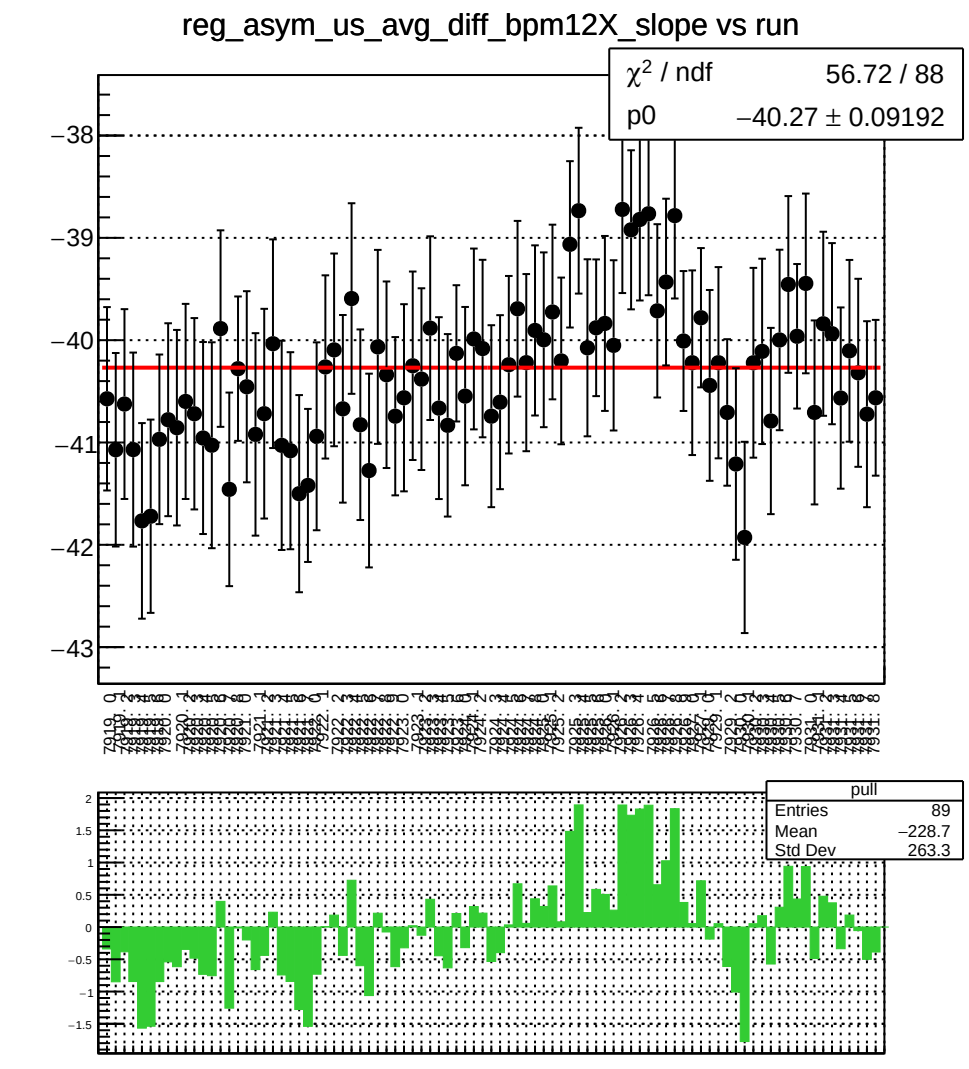

pull1D
Entries 89
Mean −0.001121
Std Dev 0.449

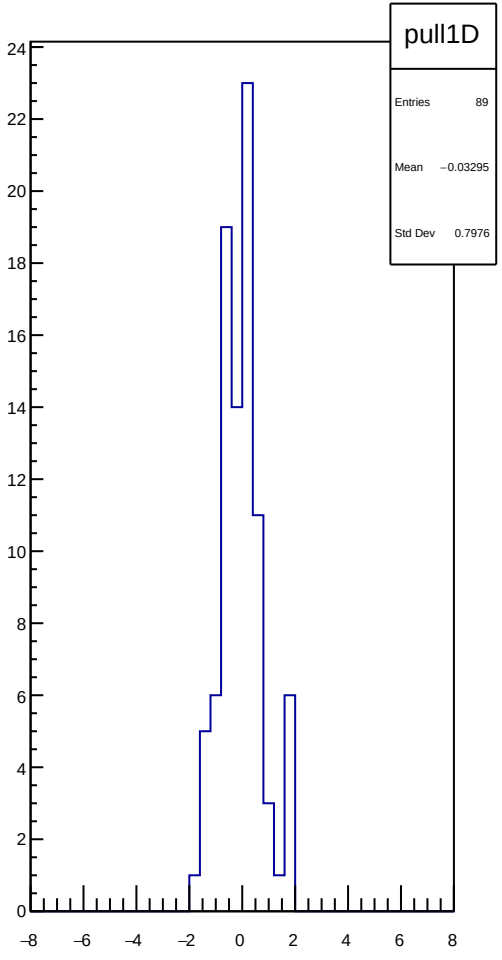

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.49 / 88
p0 39.71 ± 2.398
pull
Entries 89
Mean 900.8
Std Dev 858.1

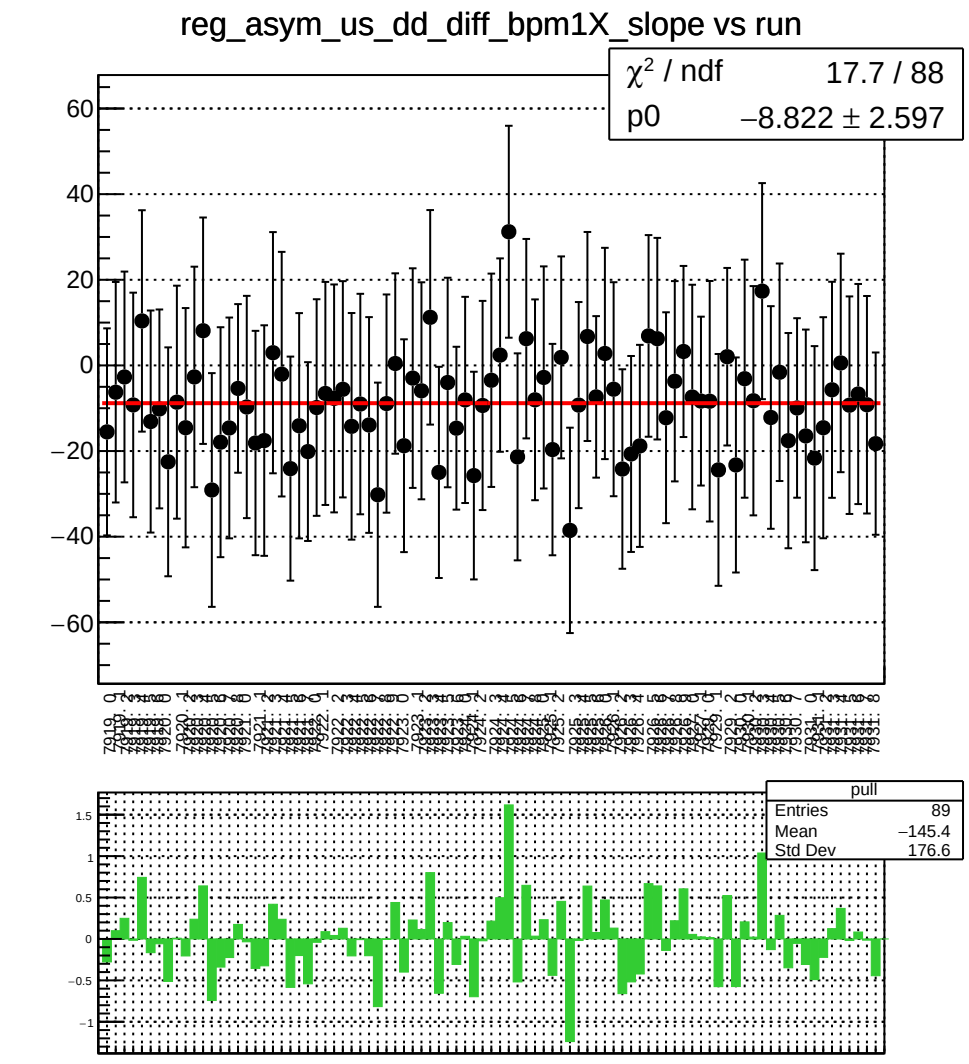

pull1D
Entries 89
Mean −0.001647
Std Dev 0.4172

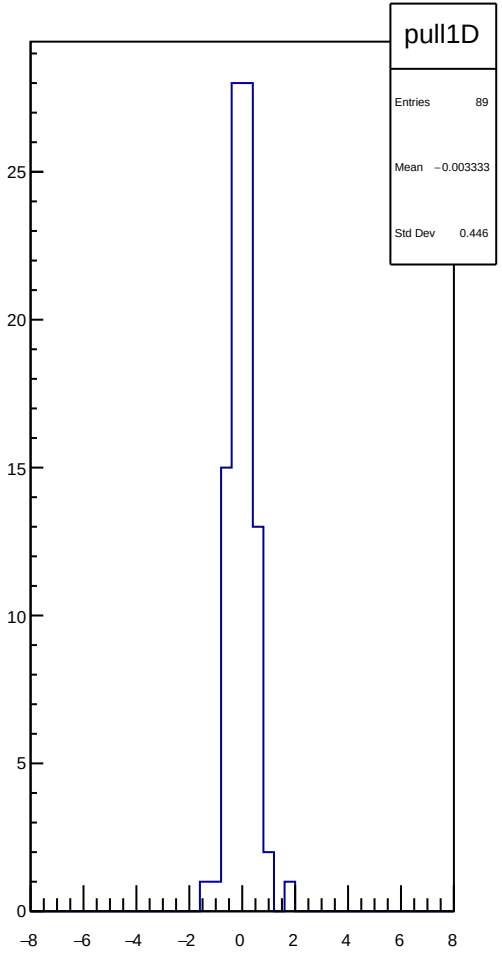

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.55 / 88
p0 4.068 ± 3.181
pull
Entries 89
Mean 123.3
Std Dev 52.06

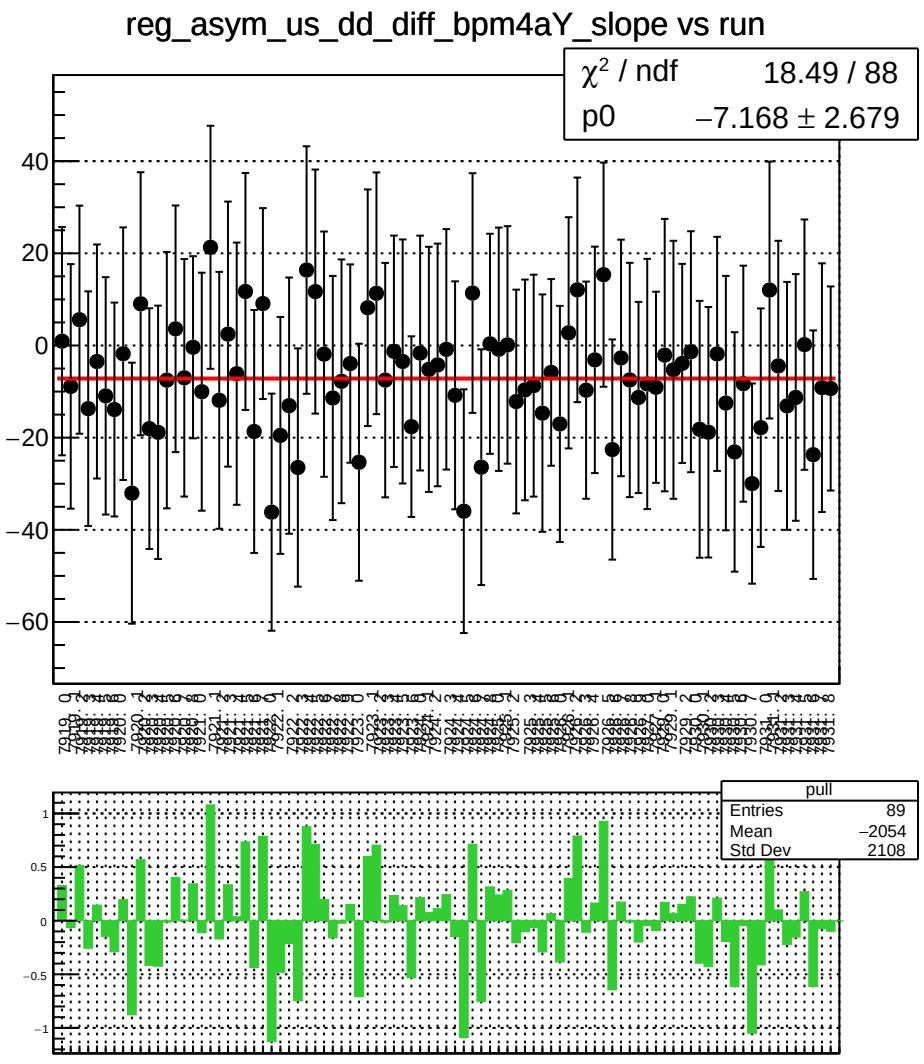

pull1D
Entries 89
Mean 0.002377
Std Dev 0.4565

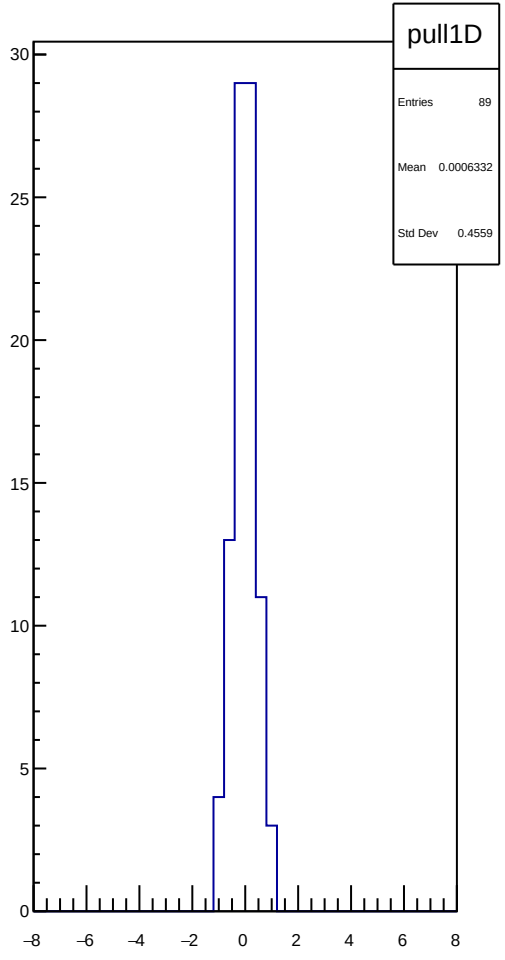

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.72 / 88
p0 −40.27 ± 0.09192
pull
Entries 89
Mean −228.7
Std Dev 263.3

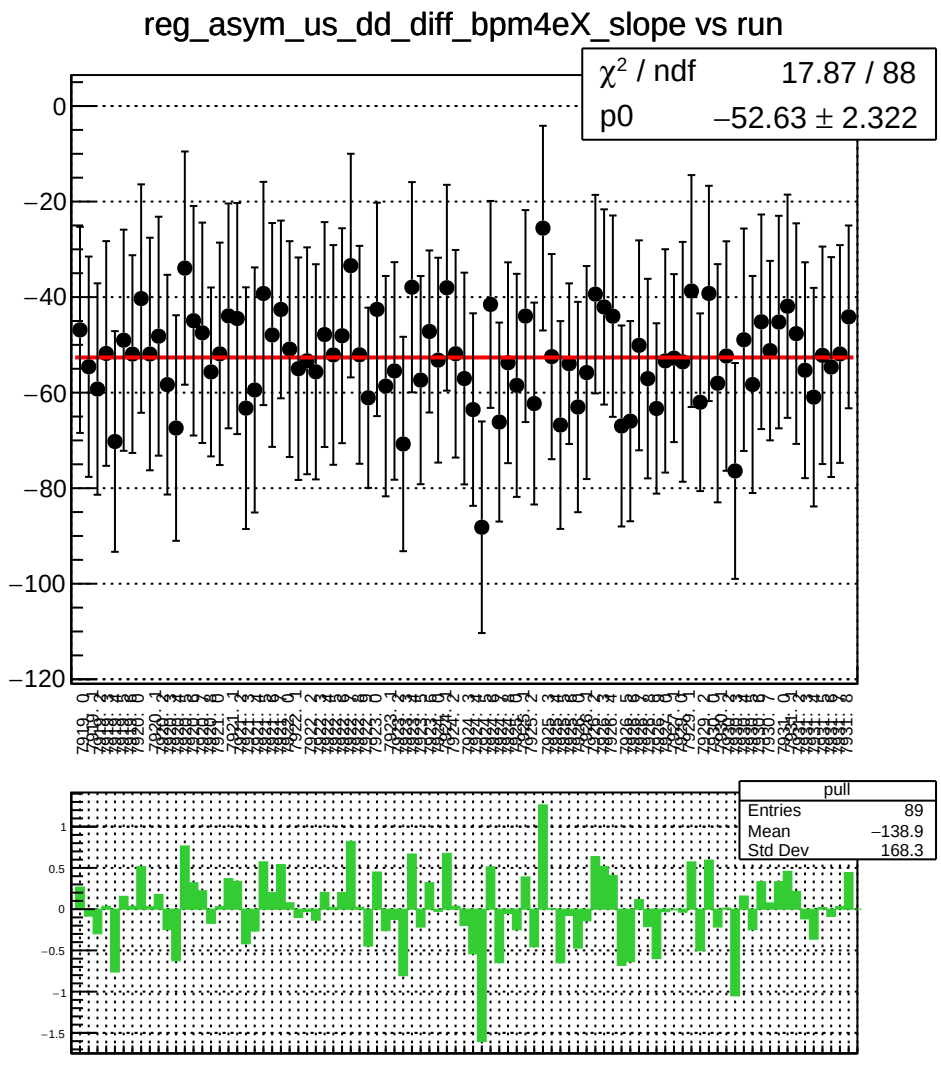

pull1D
Entries 89
Mean −0.03295
Std Dev 0.7976

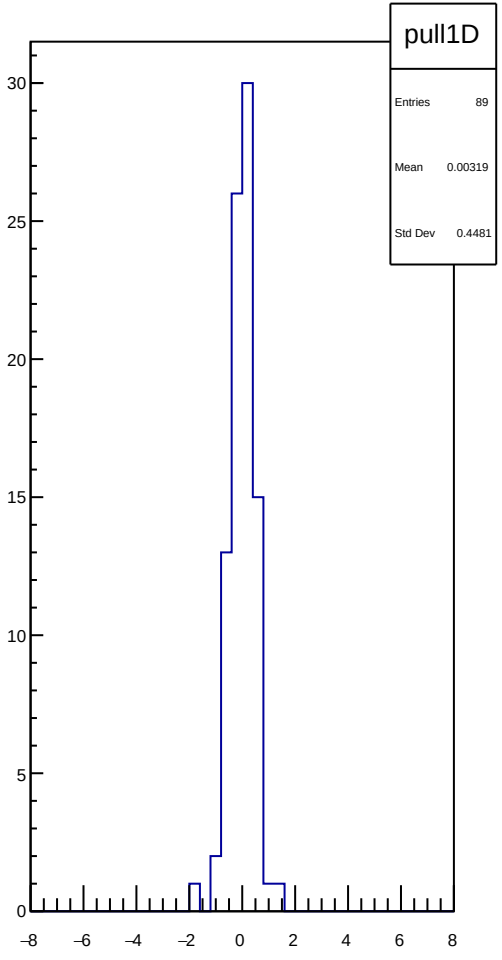

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 17.7 / 88
p0 −8.822 ± 2.597
pull
Entries 89
Mean −145.4
Std Dev 176.6

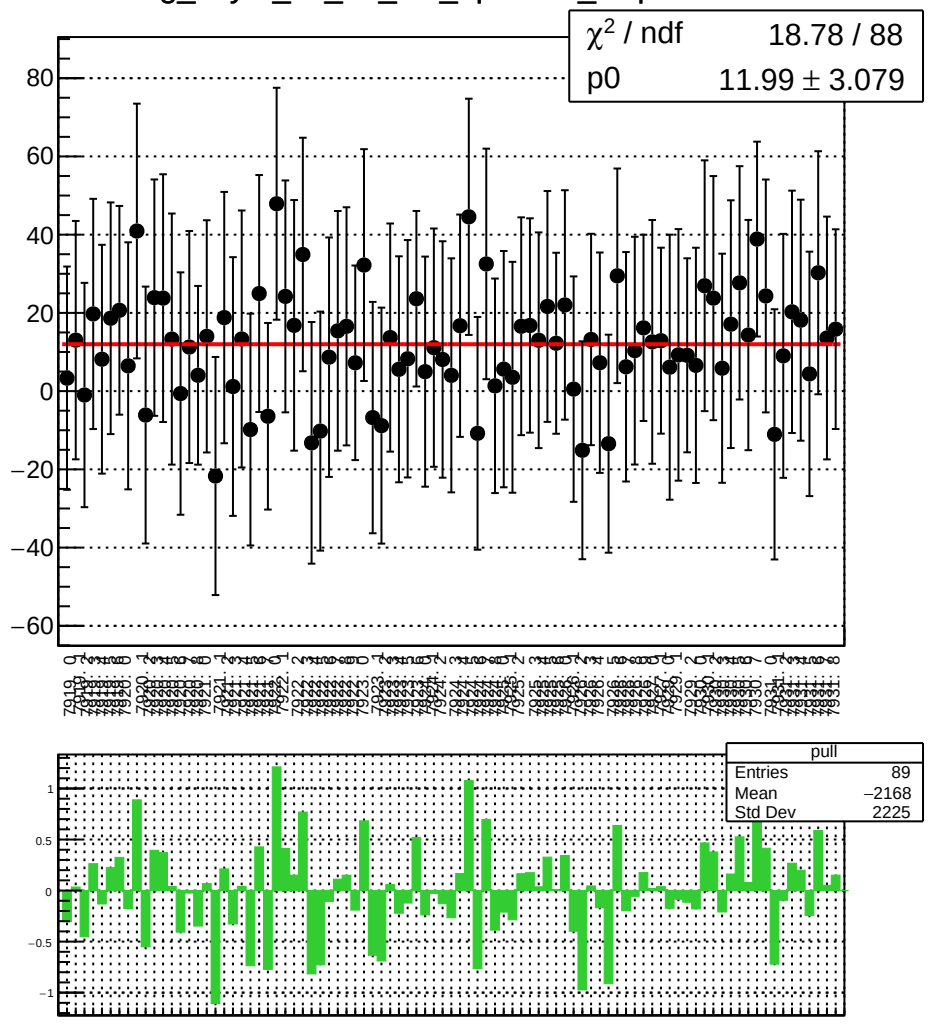

pull1D
Entries 89
Mean −0.003333
Std Dev 0.446

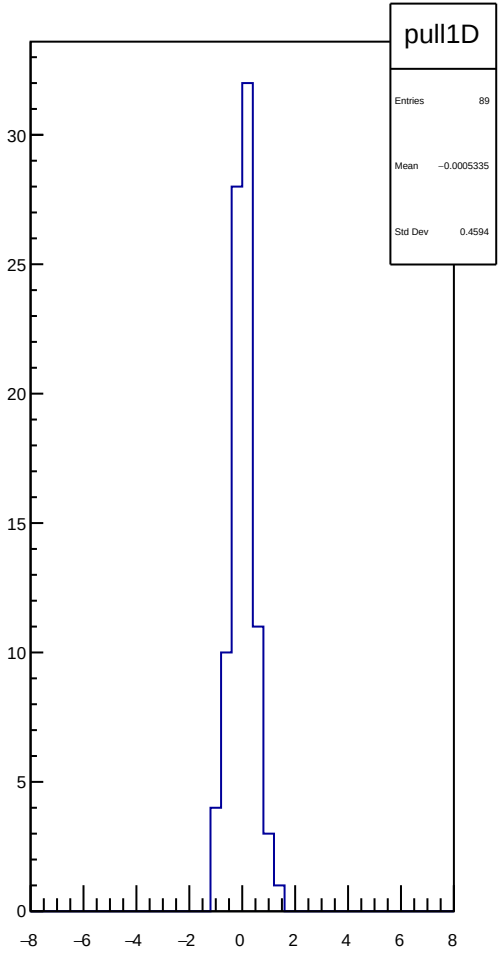

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.49 / 88
p0 −7.168 ± 2.679
pull
Entries 89
Mean −2054
Std Dev 2108

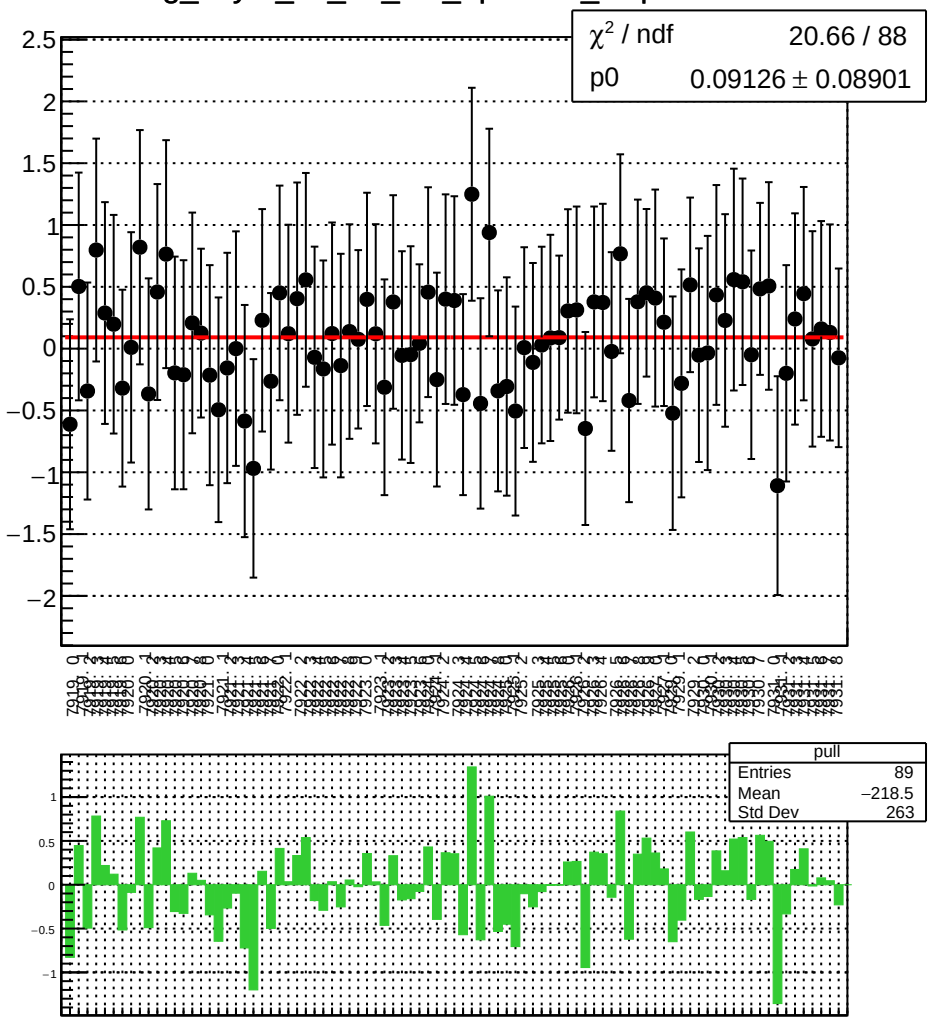

pull1D
Entries 89
Mean 0.0006332
Std Dev 0.4559

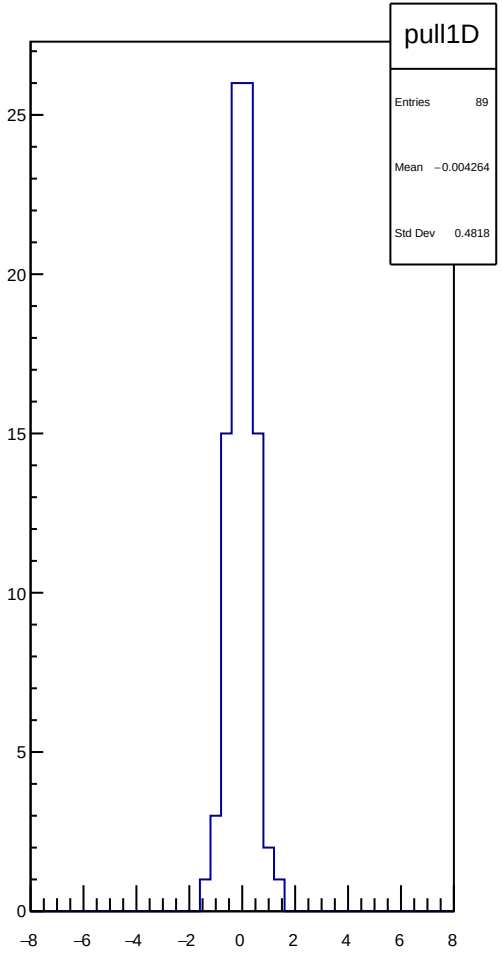

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.87 / 88
p0 −52.63 ± 2.322
pull
Entries 89
Mean −138.9
Std Dev 168.3

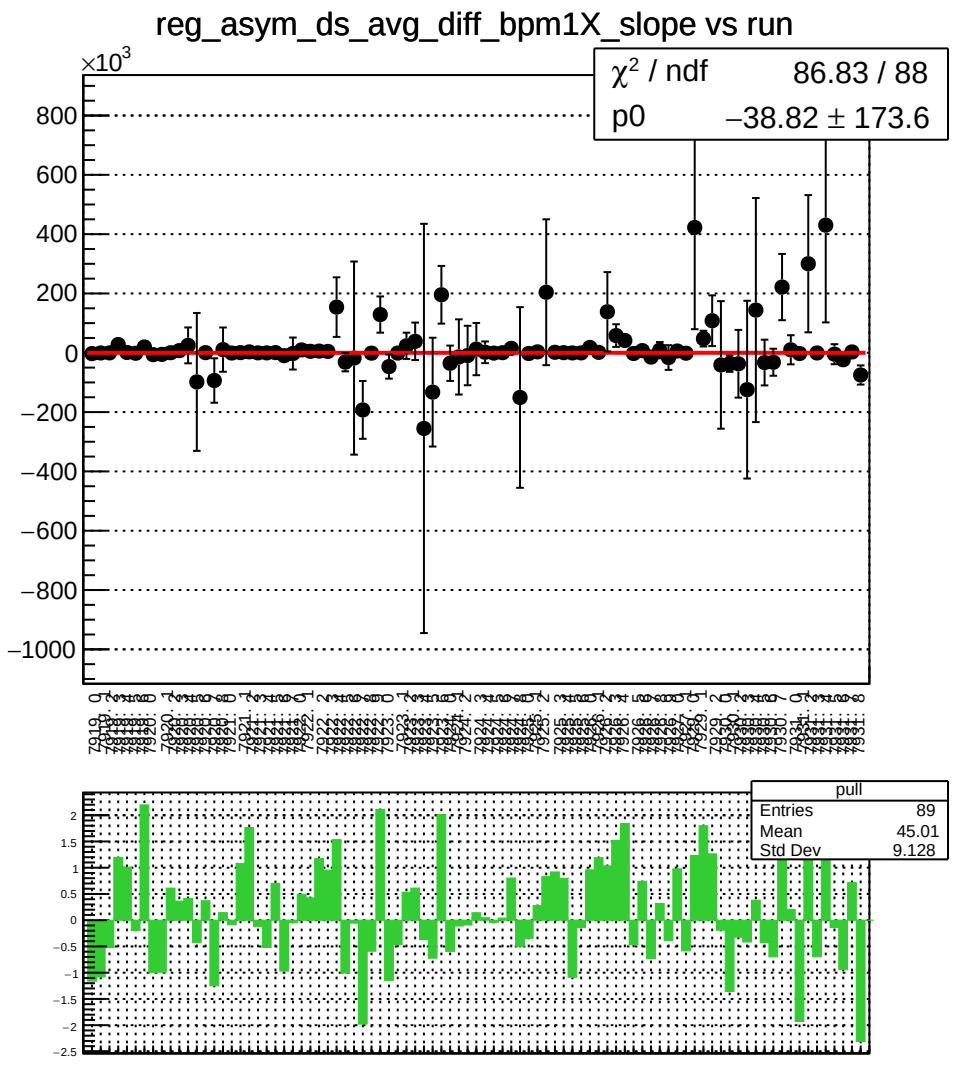

pull1D
Entries 89
Mean 0.00319
Std Dev 0.4481

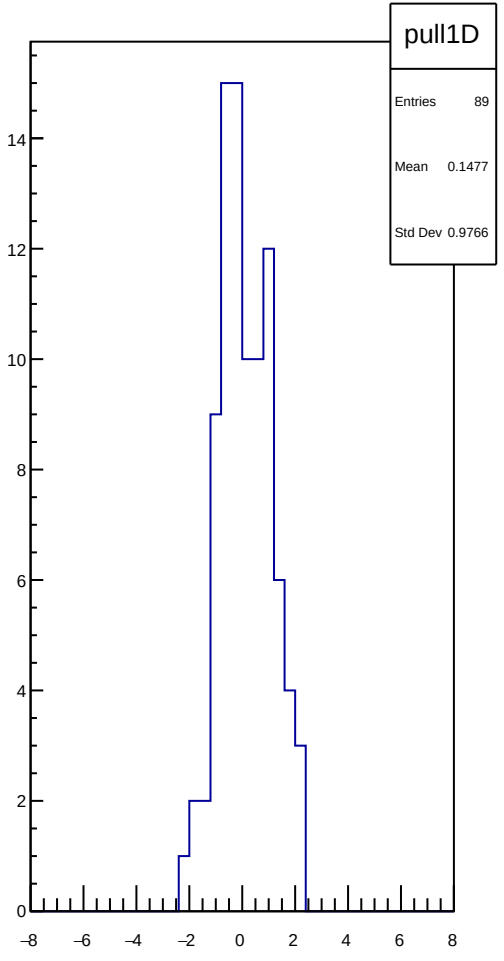

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.78 / 88
p0 11.99 ± 3.079
pull
Entries 89
Mean −2168
Std Dev 2225

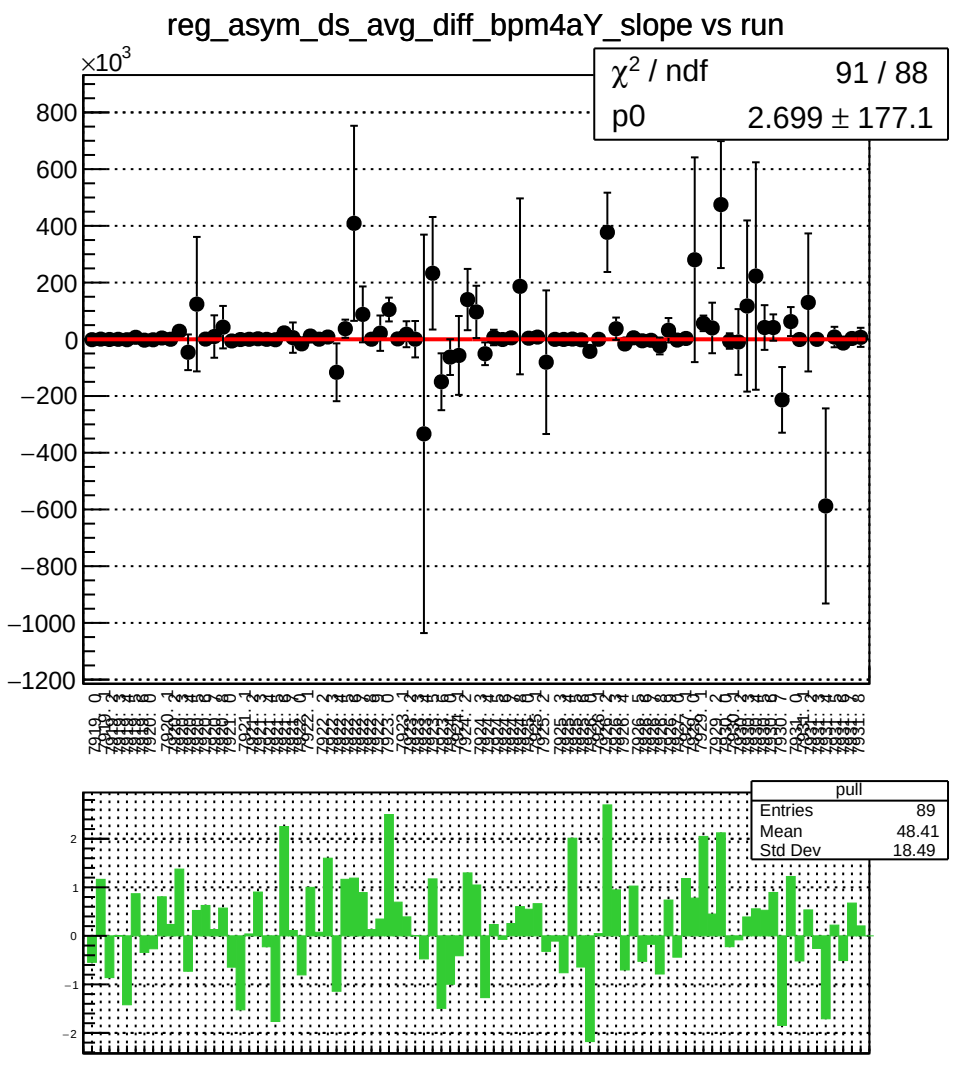

pull1D
Entries 89
Mean −0.0005335
Std Dev 0.4594

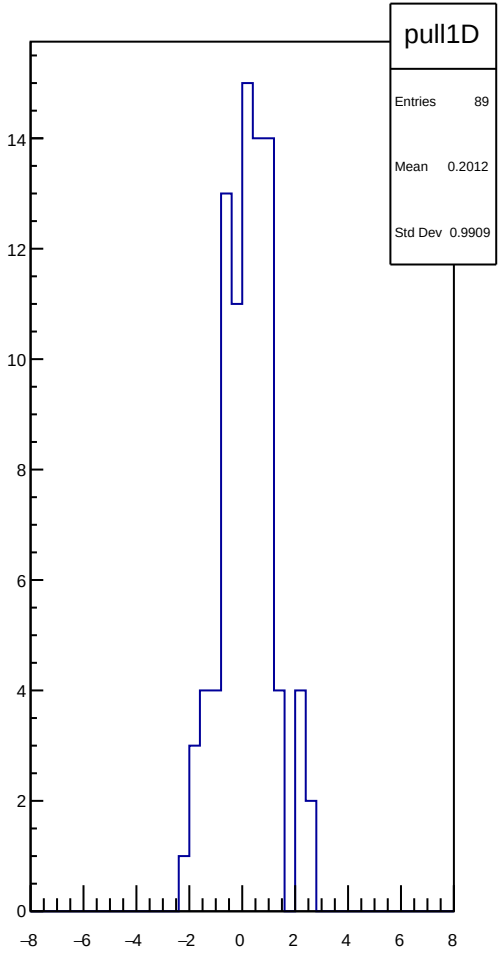

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 20.66 / 88
p0 0.09126 ± 0.08901
pull
Entries 89
Mean −218.5
Std Dev 263

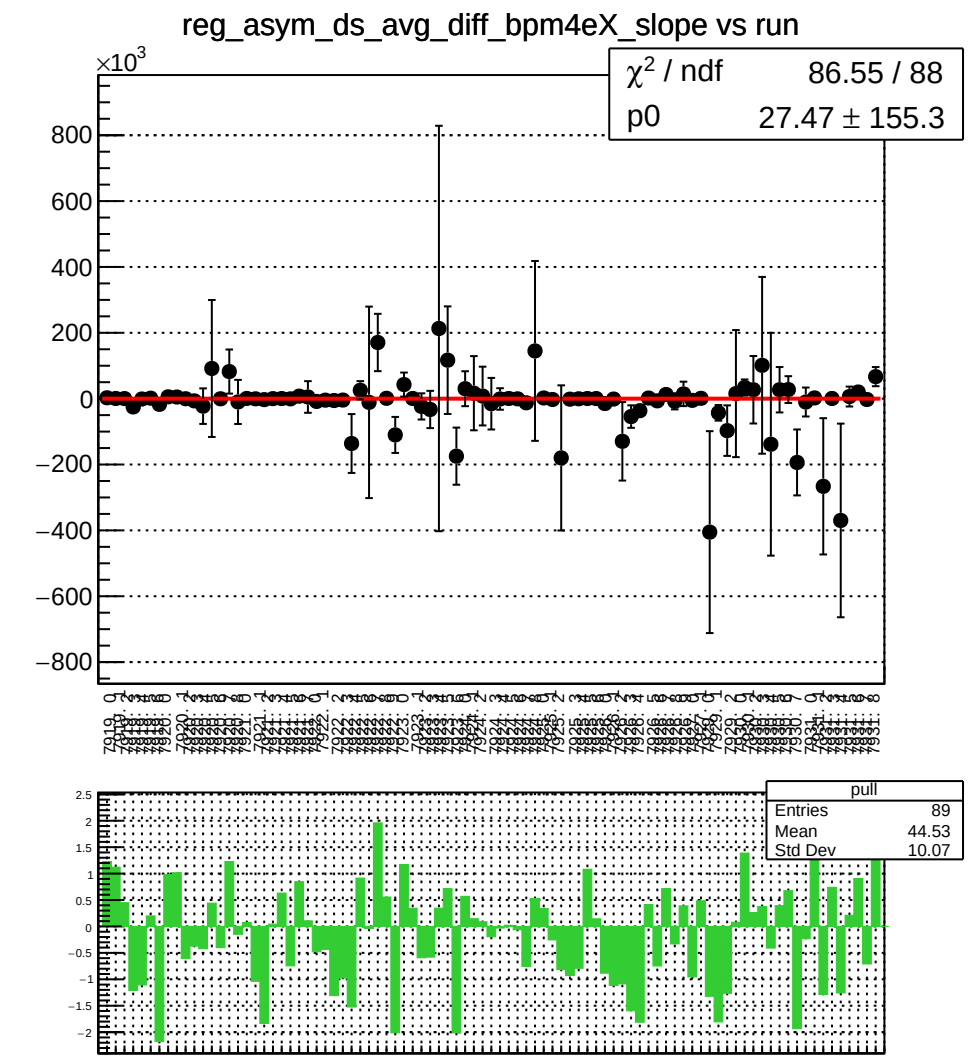

pull1D
Entries 89
Mean −0.004264
Std Dev 0.4818

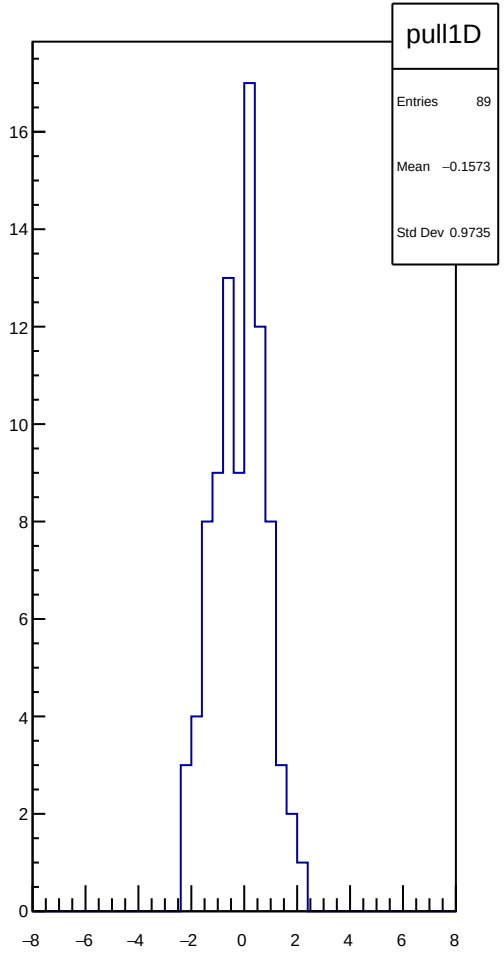

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 86.83 / 88
p0 −38.82 ± 173.6
pull
Entries 89
Mean 45.01
Std Dev 9.128

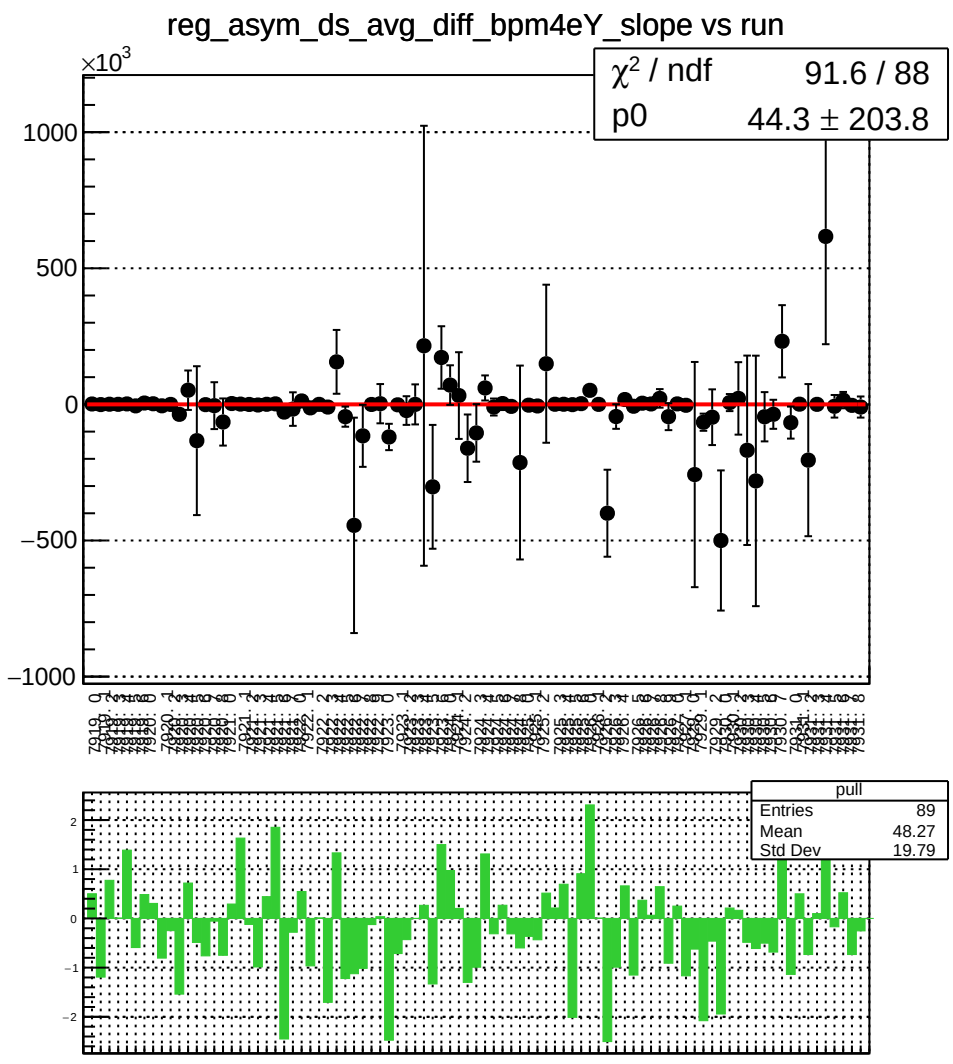

pull1D
Entries 89
Mean 0.1477
Std Dev 0.9766

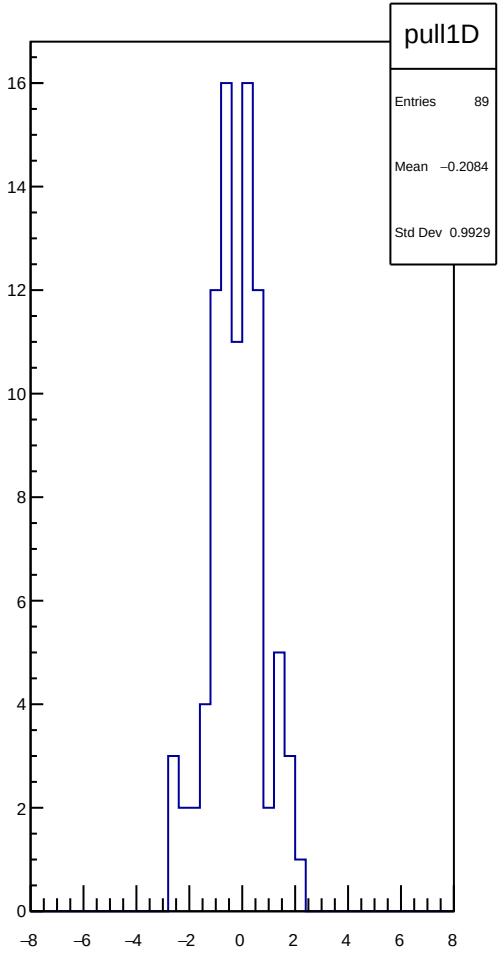

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 91 / 88
p0 2.699 ± 177.1
pull
Entries 89
Mean 48.41
Std Dev 18.49

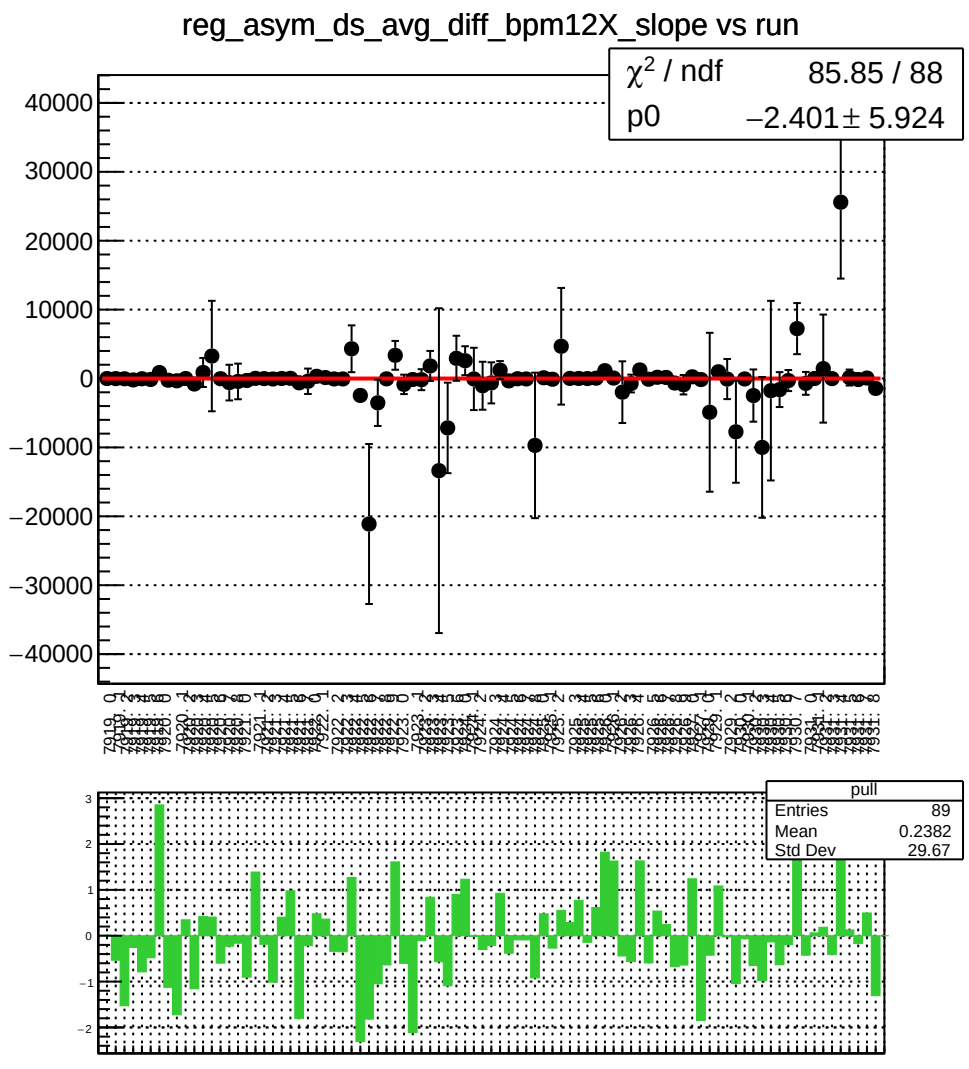

pull1D
Entries 89
Mean 0.2012
Std Dev 0.9909

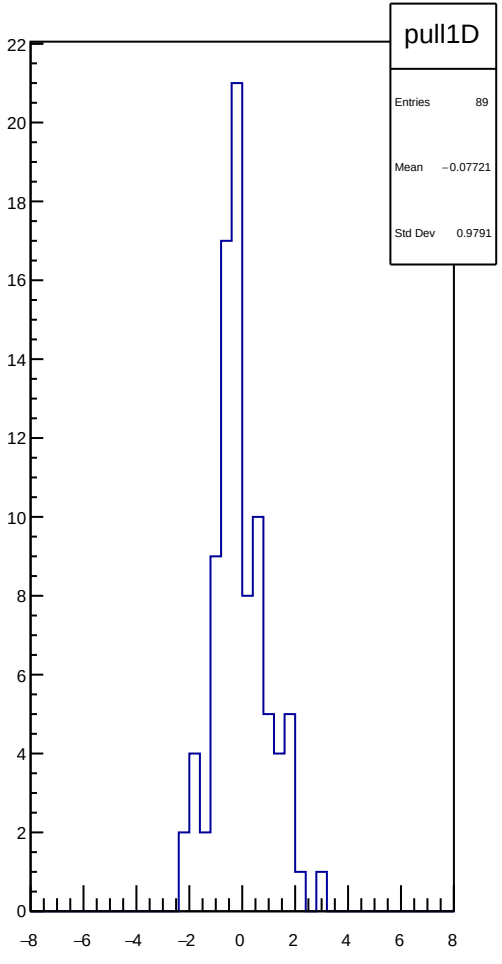

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 86.55 / 88
p0 27.47 ± 155.3
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 89
Mean 44.53
Std Dev 10.07
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

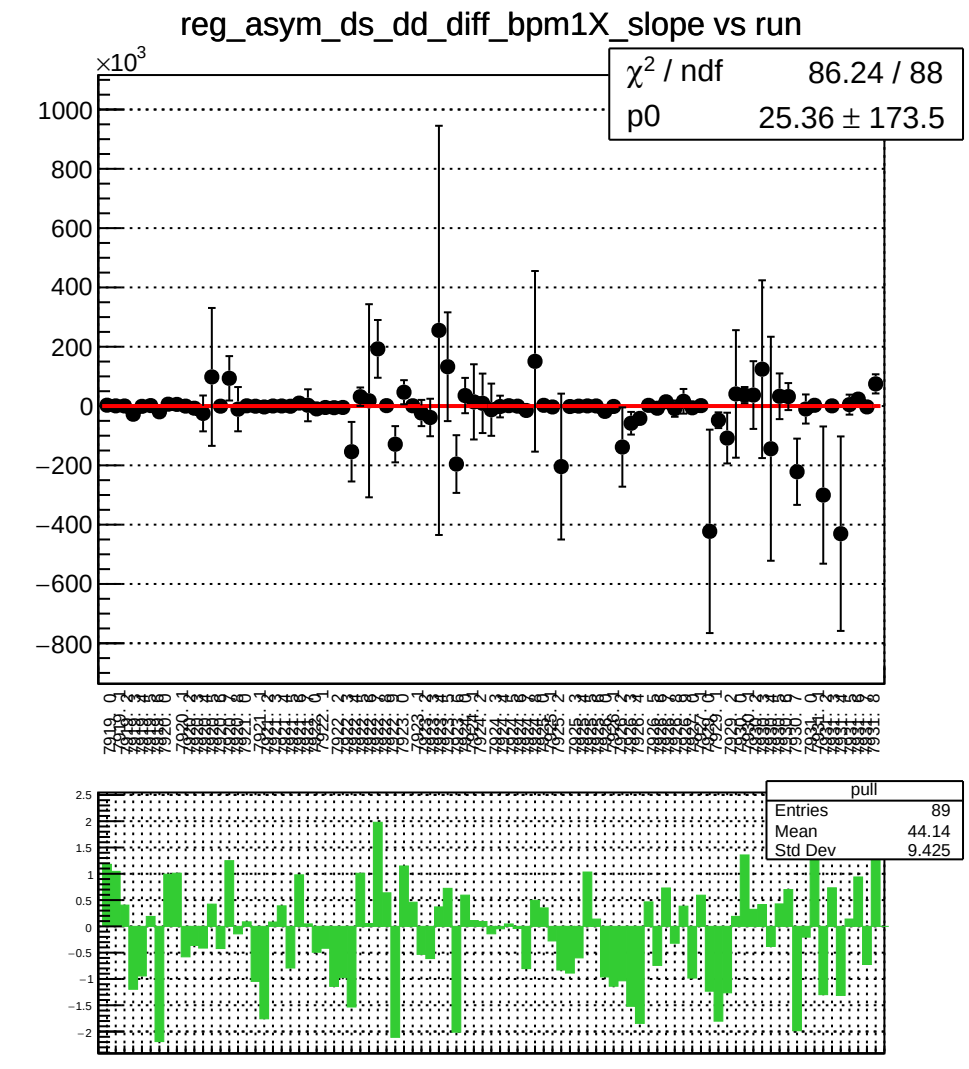

pull1D
Entries 89
Mean −0.1573
Std Dev 0.9735
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

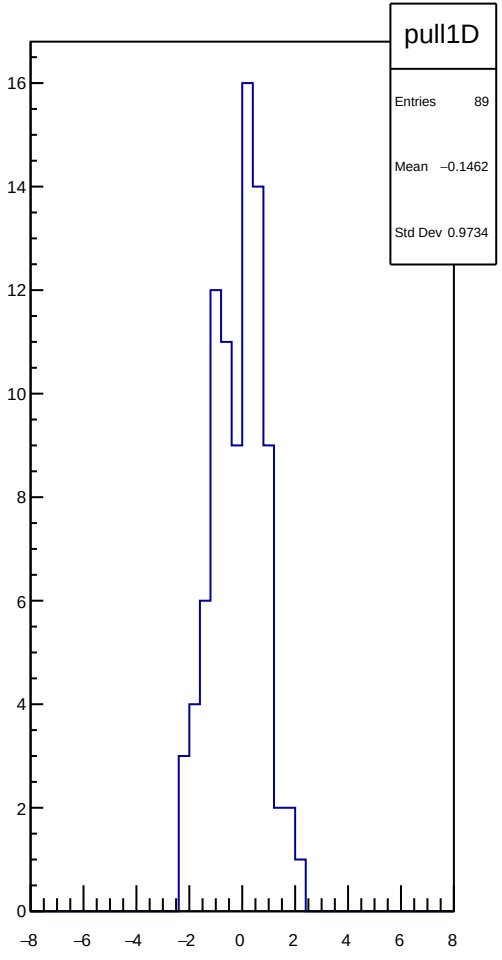

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 91.6 / 88
p0 44.3 ± 203.8
1000
500
0
−500
−1000
pull
Entries 89
Mean 48.27
Std Dev 19.79
2
1
0
−1
−2

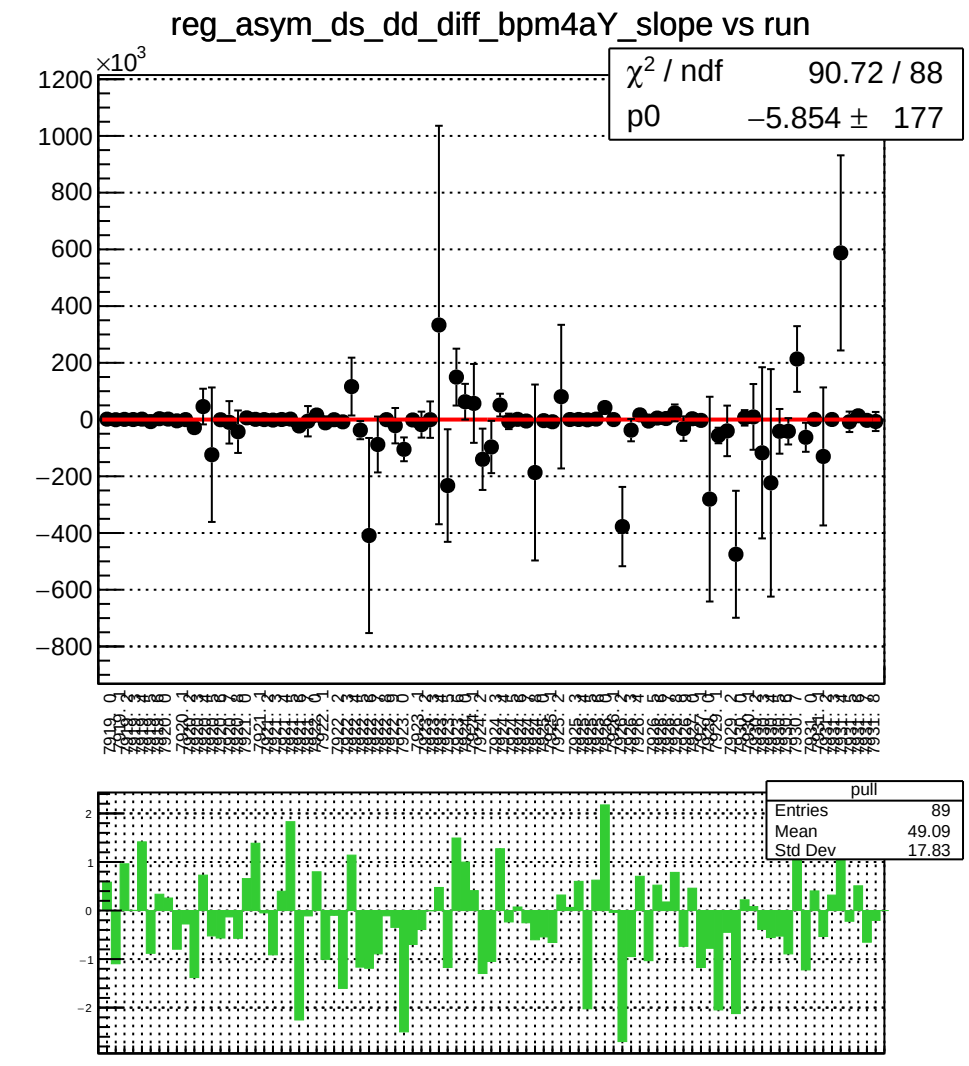

pull1D
Entries 89
Mean −0.2084
Std Dev 0.9929
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

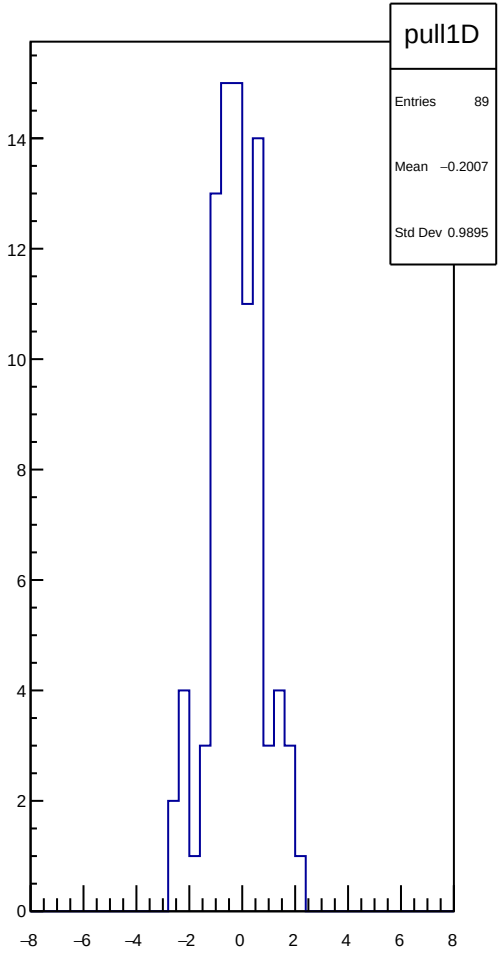

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 85.85 / 88
p0 −2.401 ± 5.924
pull
Entries 89
Mean 0.2382
Std Dev 29.67

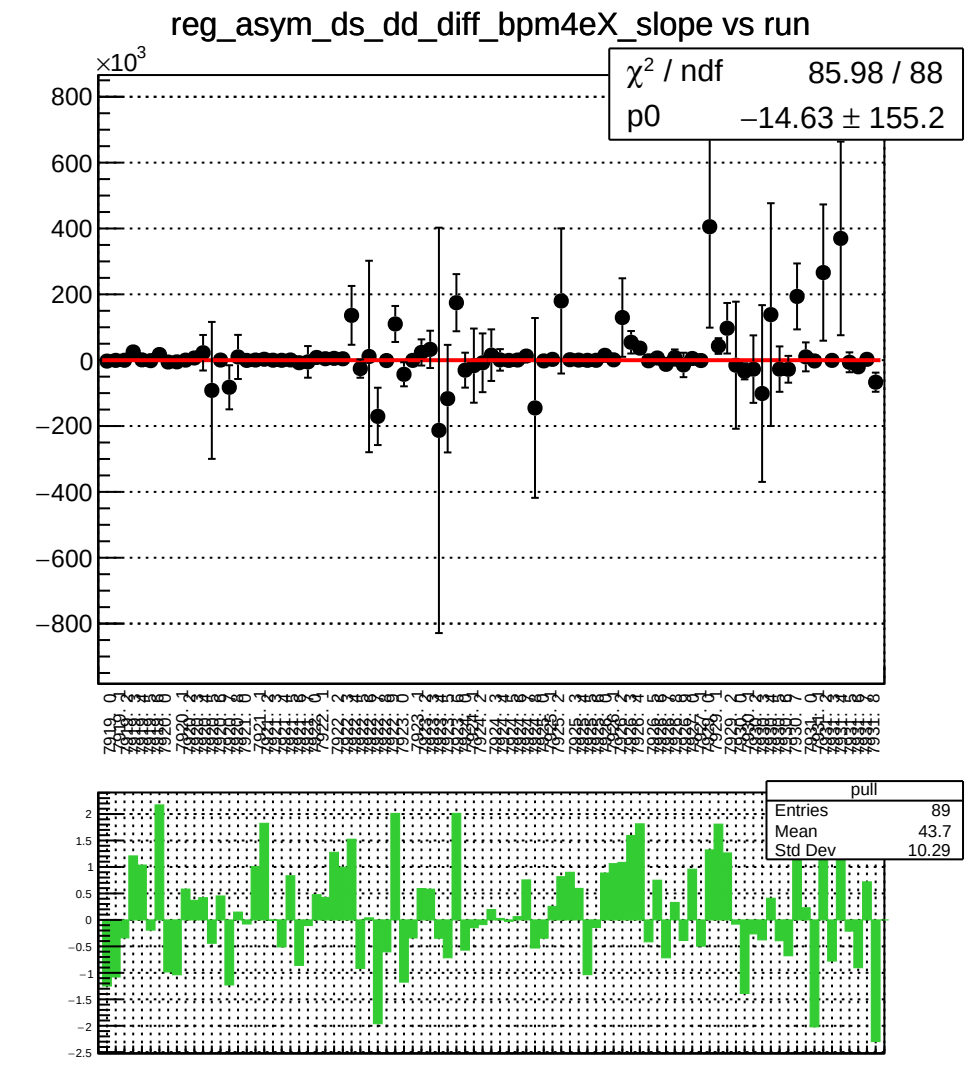

pull1D
Entries 89
Mean −0.07721
Std Dev 0.9791

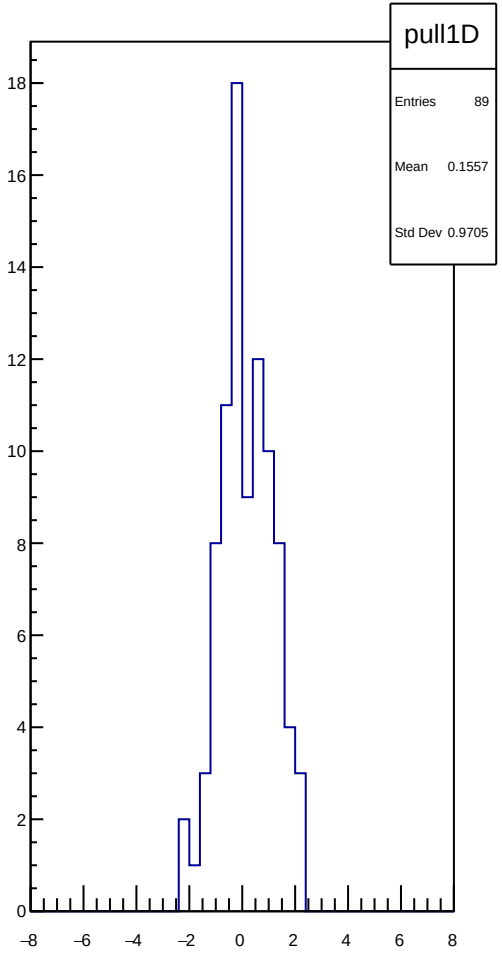

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 86.24 / 88
p0 25.36 ± 173.5
pull
Entries 89
Mean 44.14
Std Dev 9.425

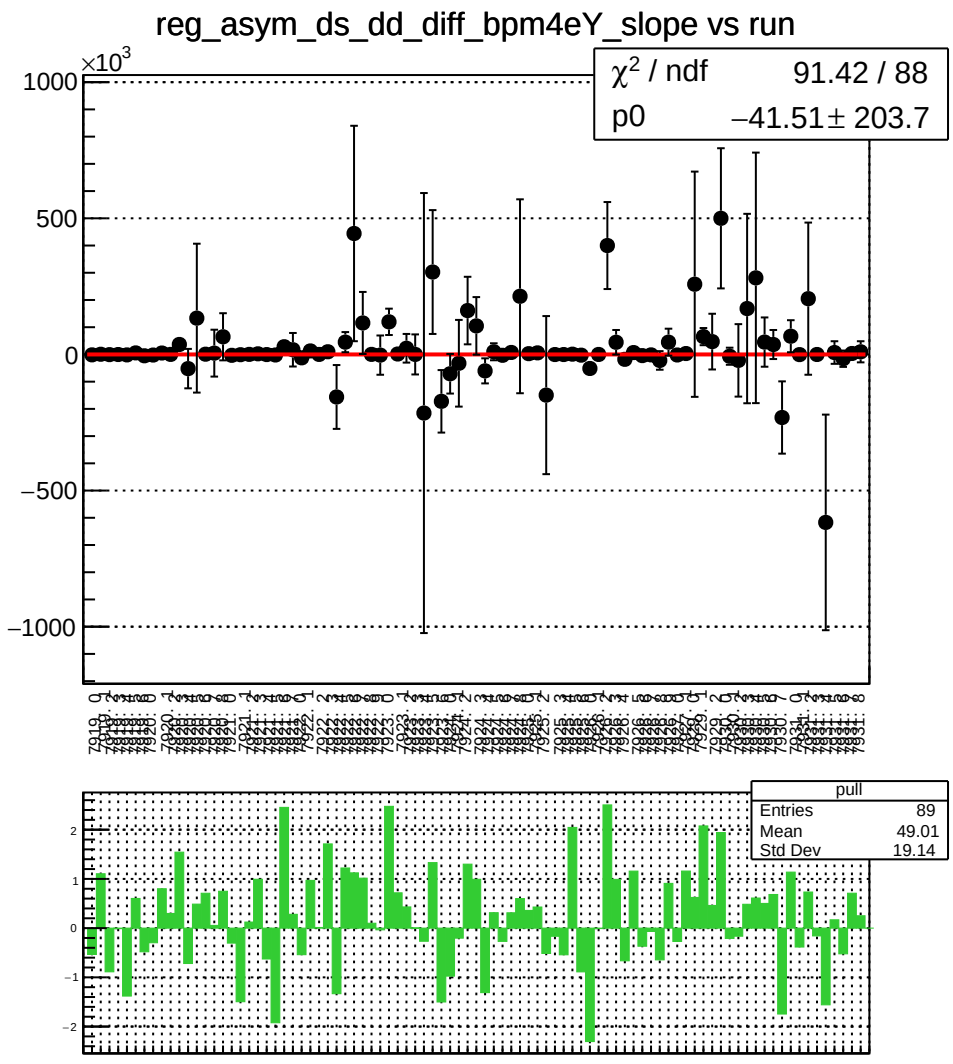

pull1D
Entries 89
Mean −0.1462
Std Dev 0.9734

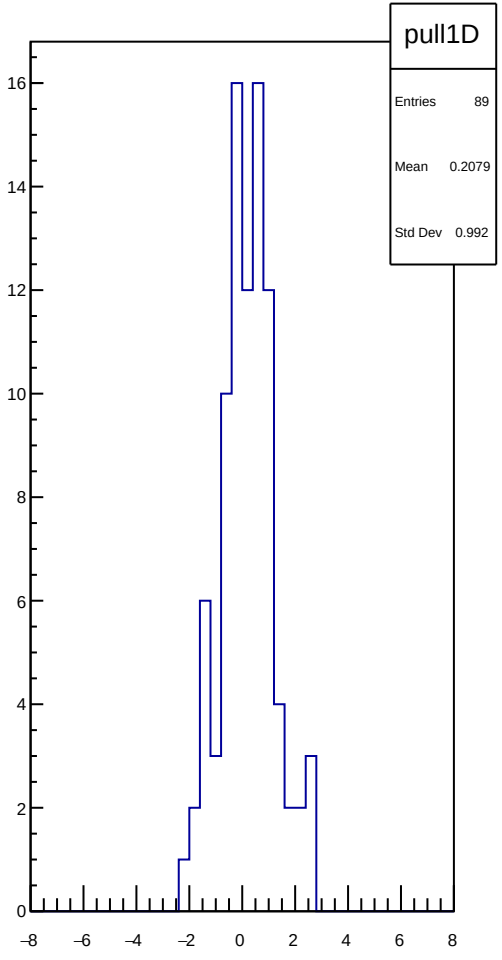

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 90.72 / 88
p0 −5.854 ± 177
pull
Entries 89
Mean 49.09
Std Dev 17.83

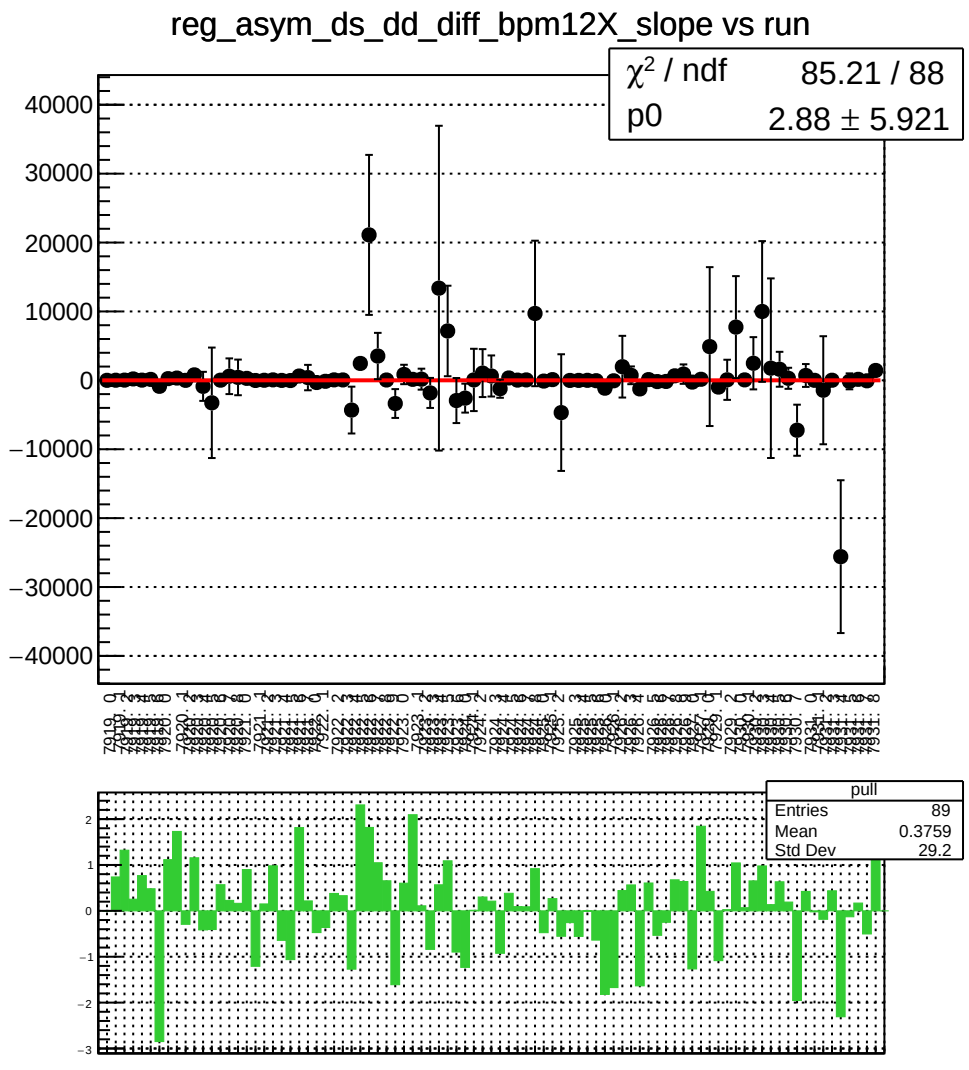

pull1D
Entries 89
Mean −0.2007
Std Dev 0.9895

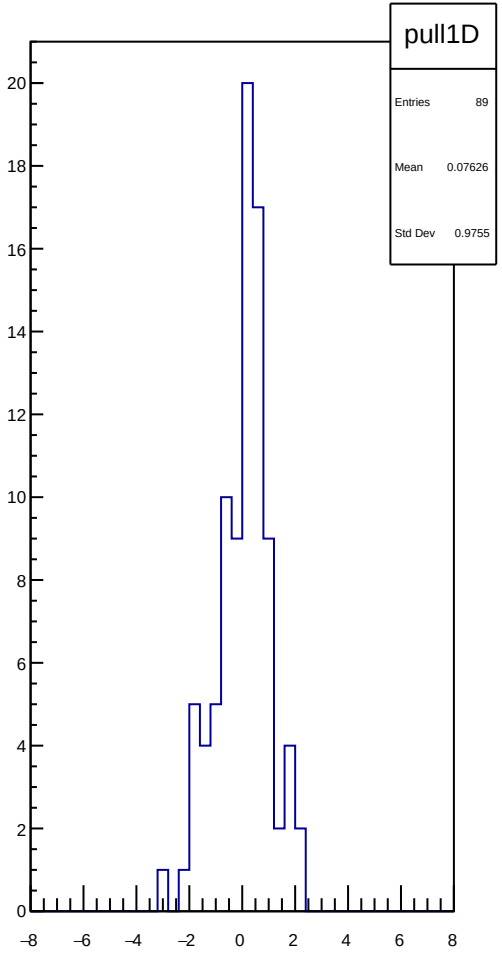

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 85.98 / 88
p0 −14.63 ± 155.2
pull
Entries 89
Mean 43.7
Std Dev 10.29

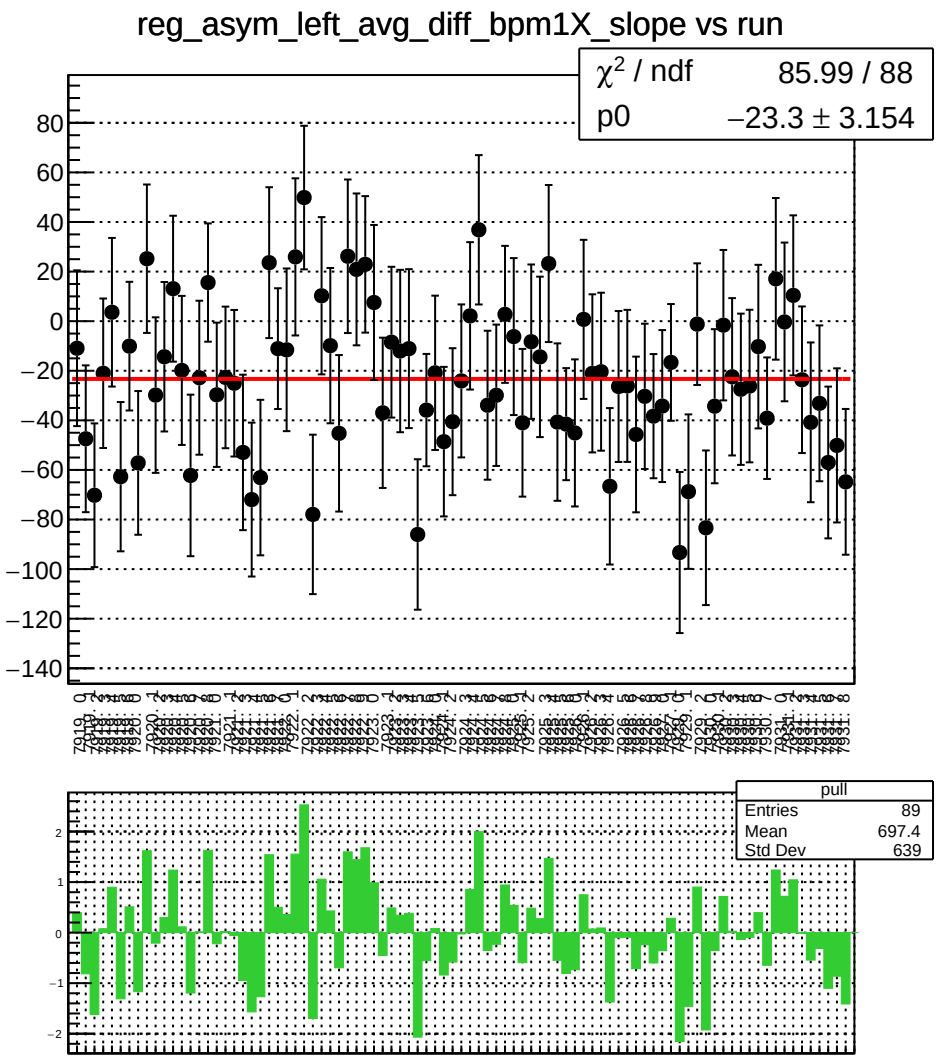

pull1D
Entries 89
Mean 0.1557
Std Dev 0.9705

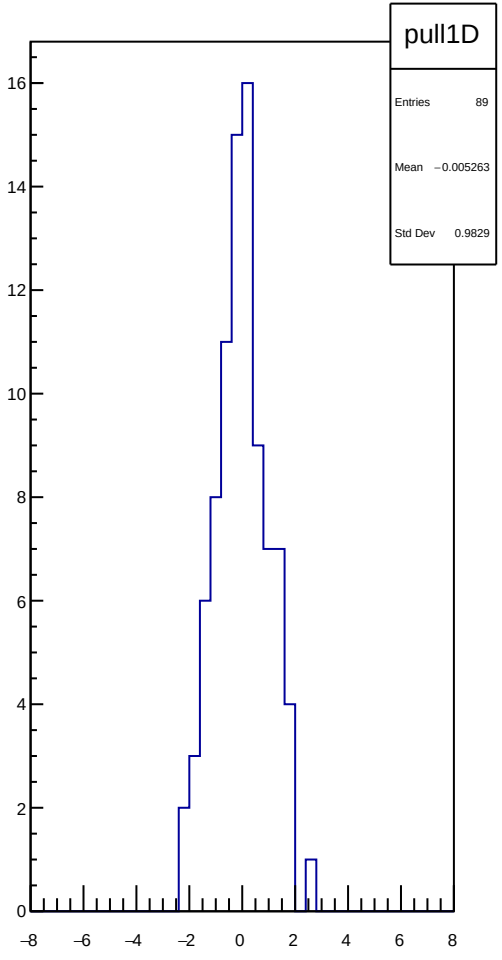

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 91.42 / 88
p0 −41.51 ± 203.7
pull
Entries 89
Mean 49.01
Std Dev 19.14
2
1
0
−1
−2

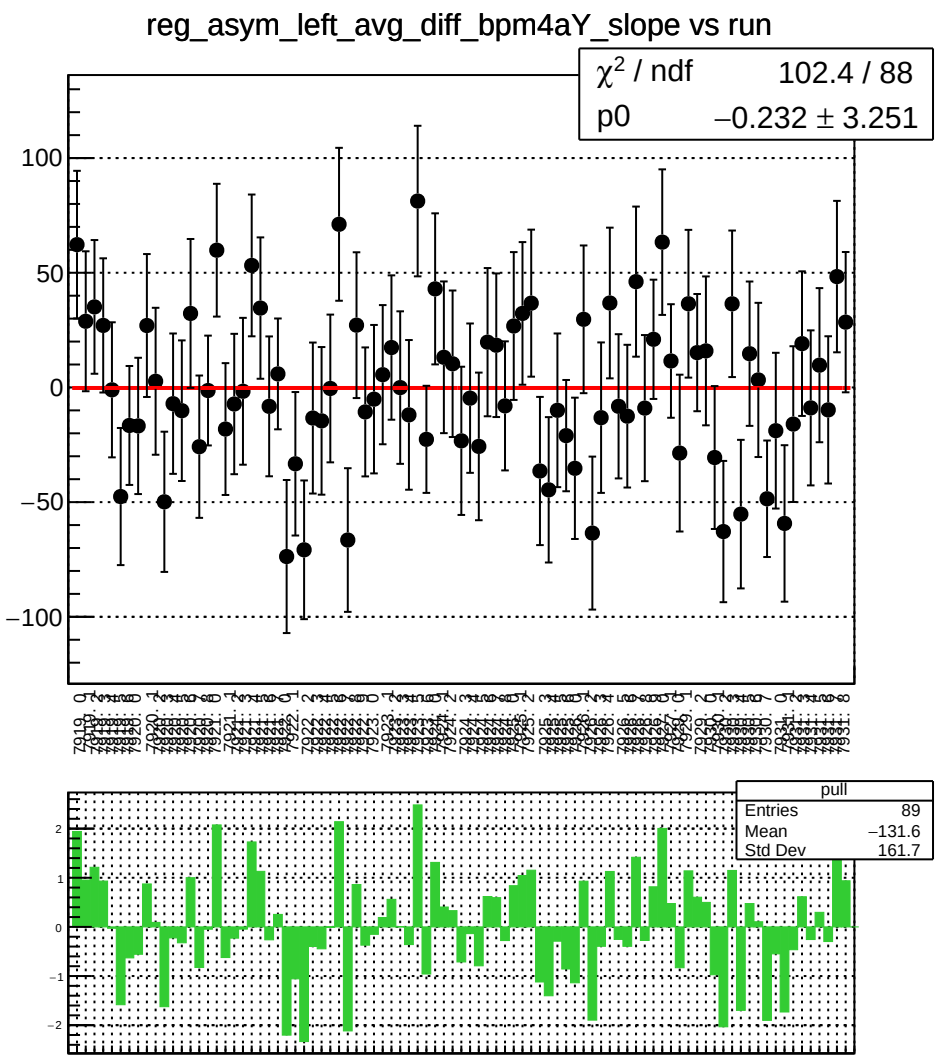

pull1D
Entries 89
Mean 0.2079
Std Dev 0.992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

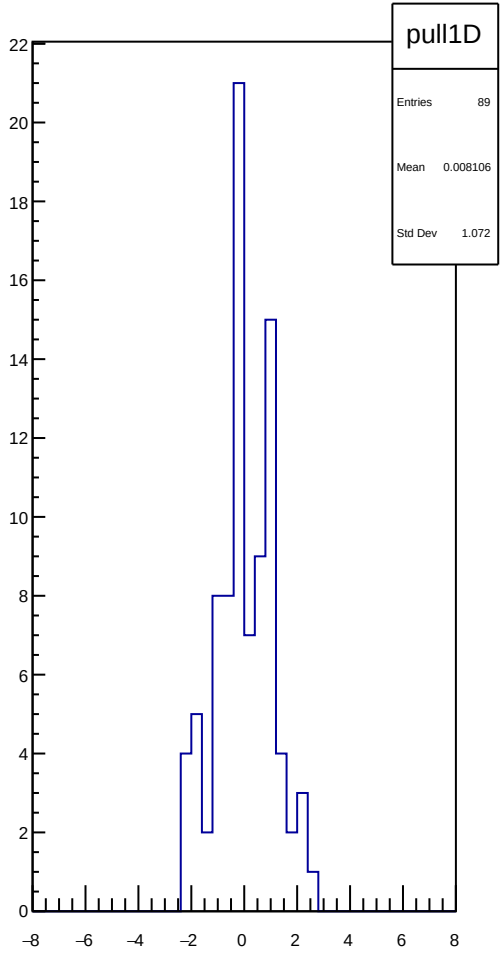

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 85.21 / 88
p0 2.88 ± 5.921
pull
Entries 89
Mean 0.3759
Std Dev 29.2

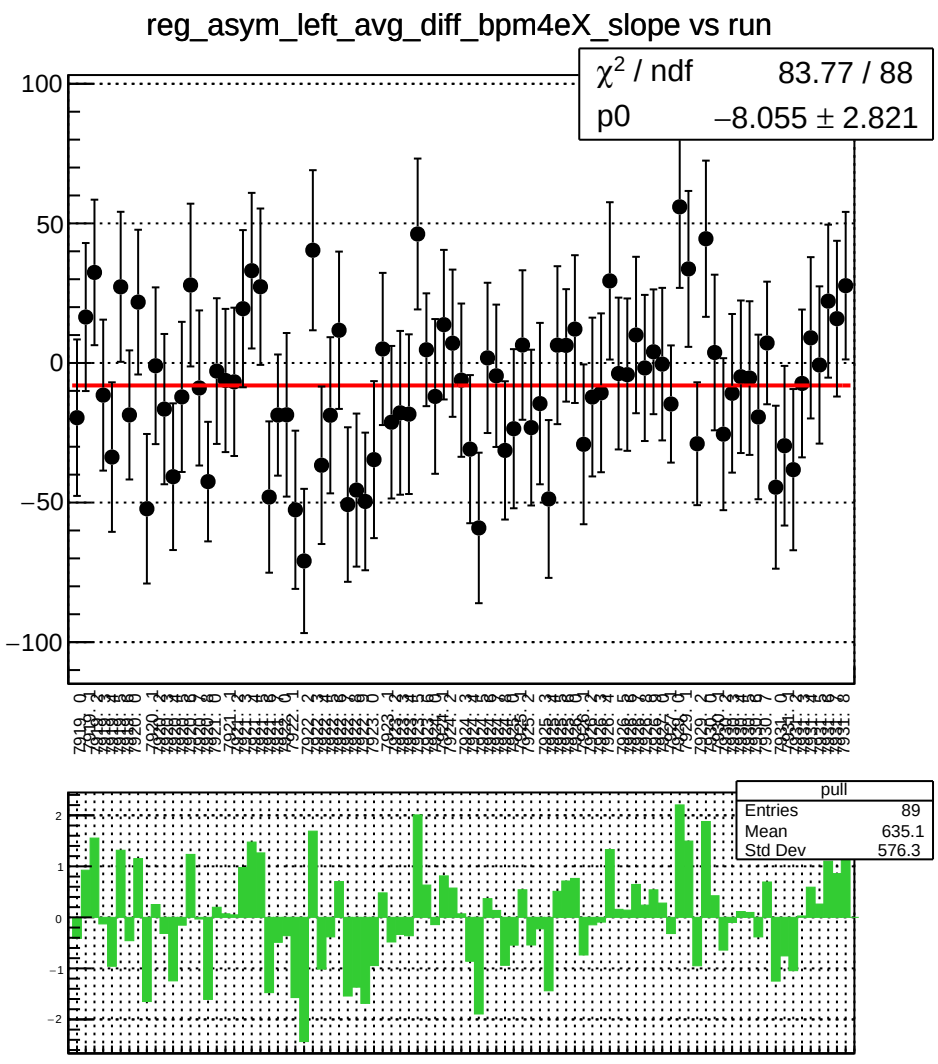

pull1D
Entries 89
Mean 0.07626
Std Dev 0.9755

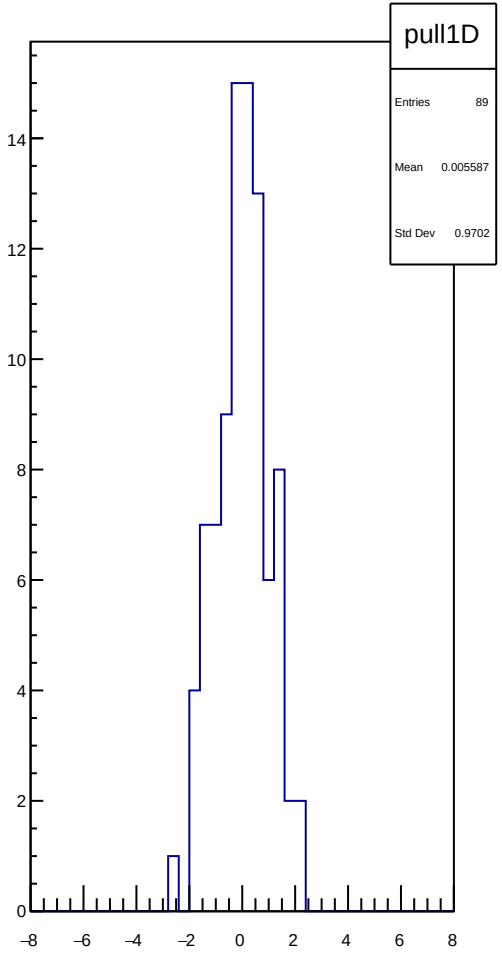

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 85.99 / 88
p0 −23.3 ± 3.154
pull
Entries 89
Mean 697.4
Std Dev 639

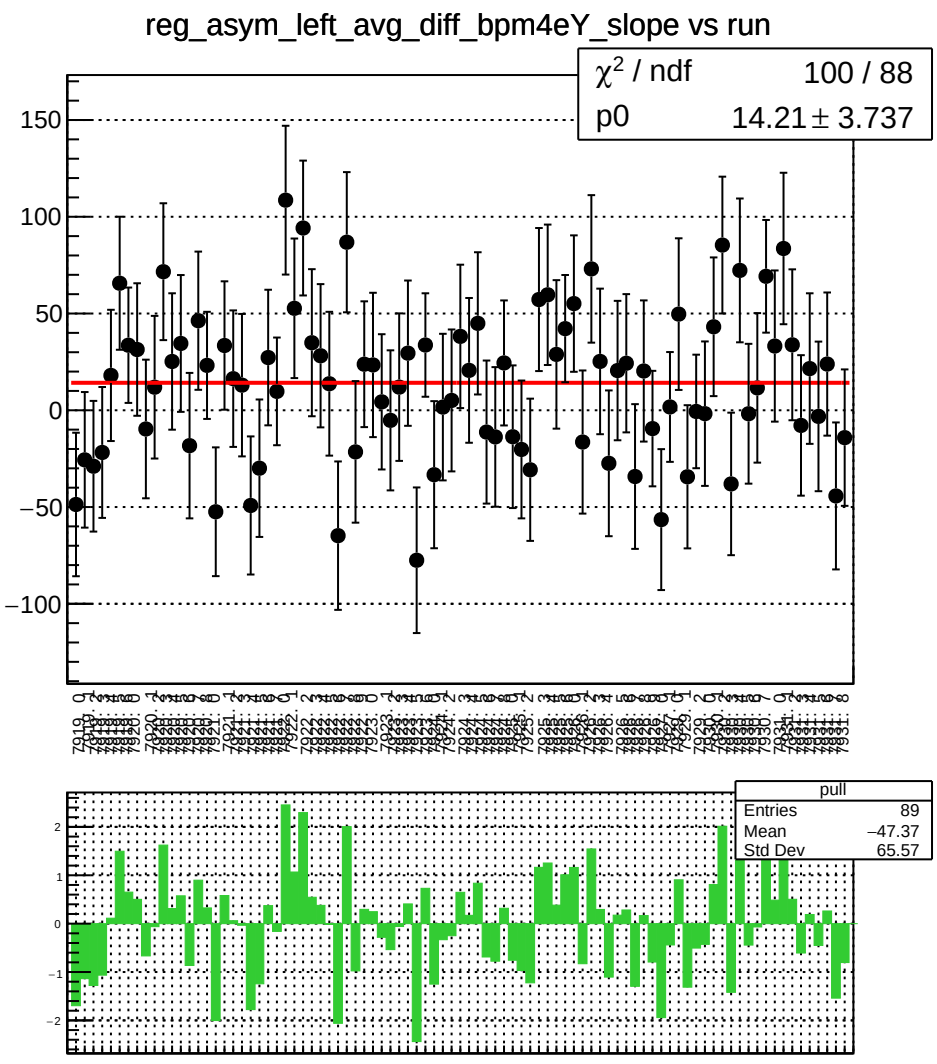

pull1D
Entries 89
Mean −0.005263
Std Dev 0.9829

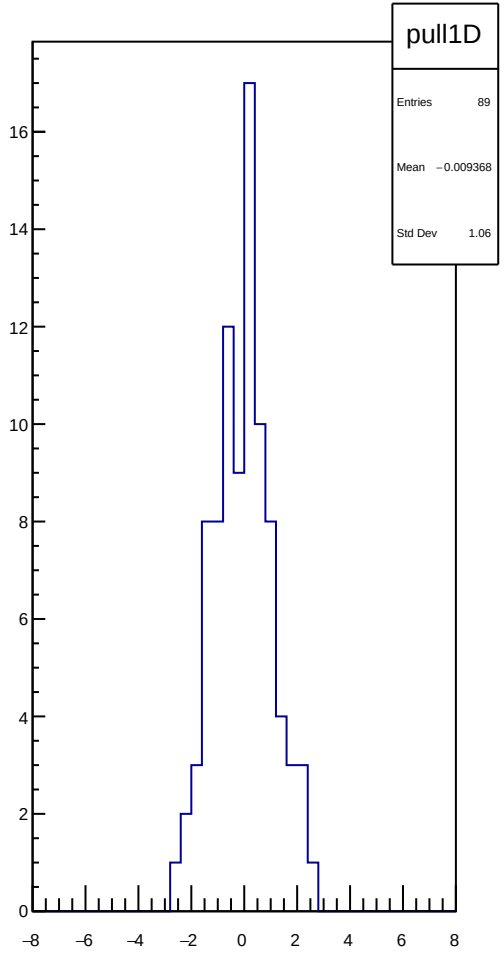

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 102.4 / 88
p0 −0.232 ± 3.251
100
50
0
−50
−100
pull
Entries 89
Mean −131.6
Std Dev 161.7
2
1
0
−1
−2

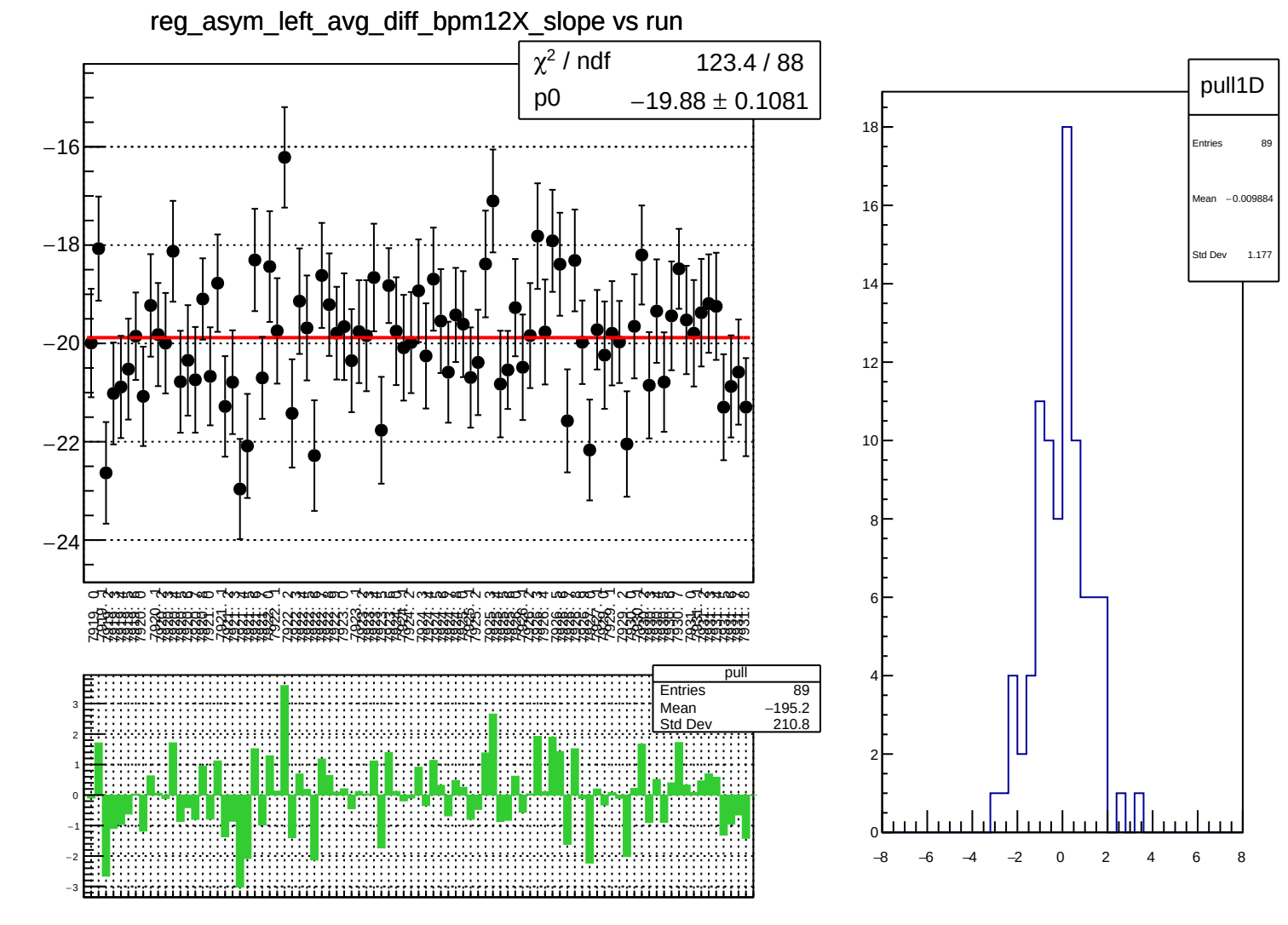

pull1D
Entries 89
Mean 0.008106
Std Dev 1.072
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

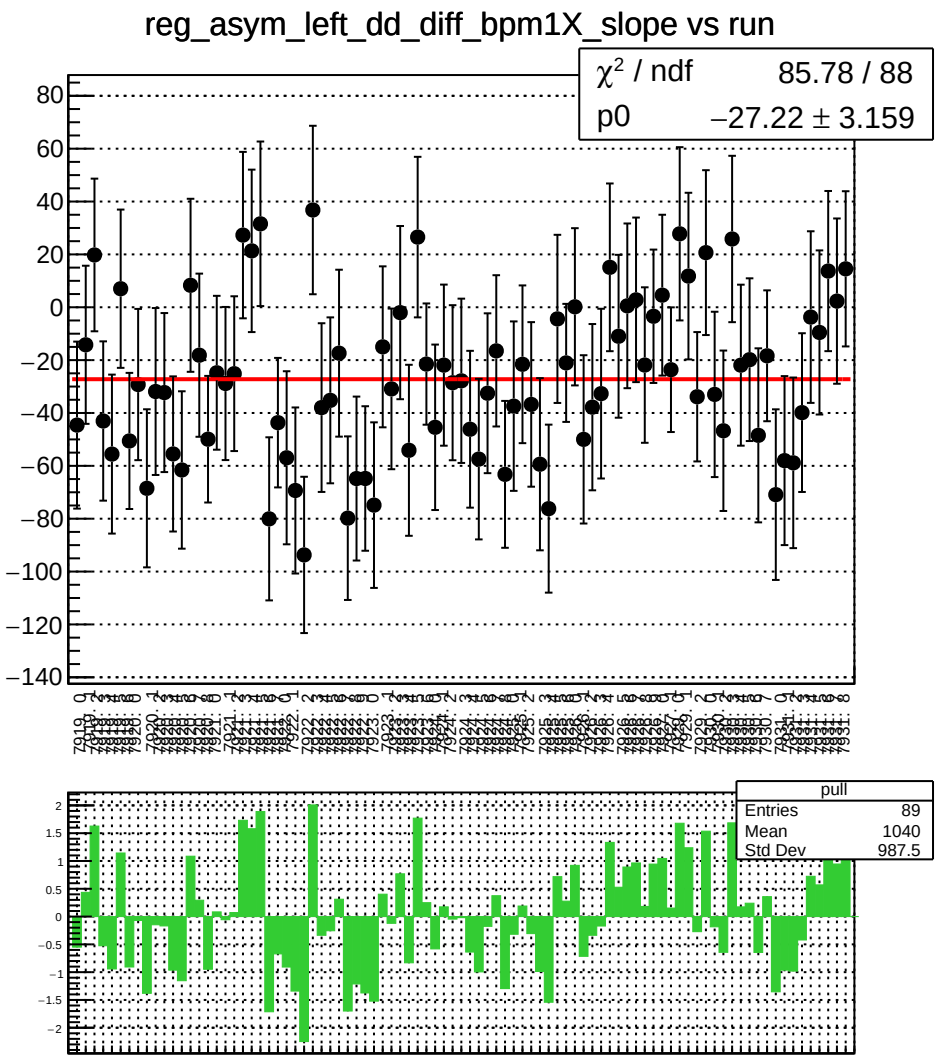

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 83.77 / 88
p0 −8.055 ± 2.821
pull
Entries 89
Mean 635.1
Std Dev 576.3

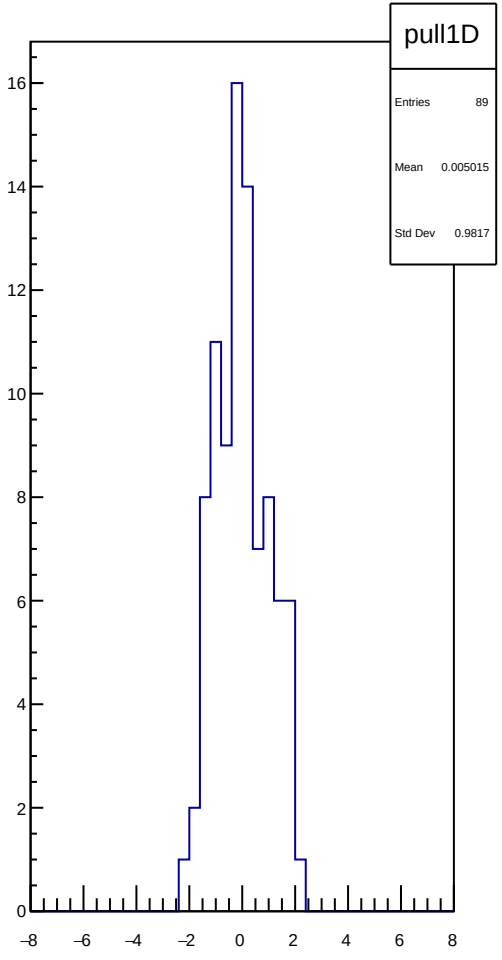

pull1D
Entries 89
Mean 0.005587
Std Dev 0.9702

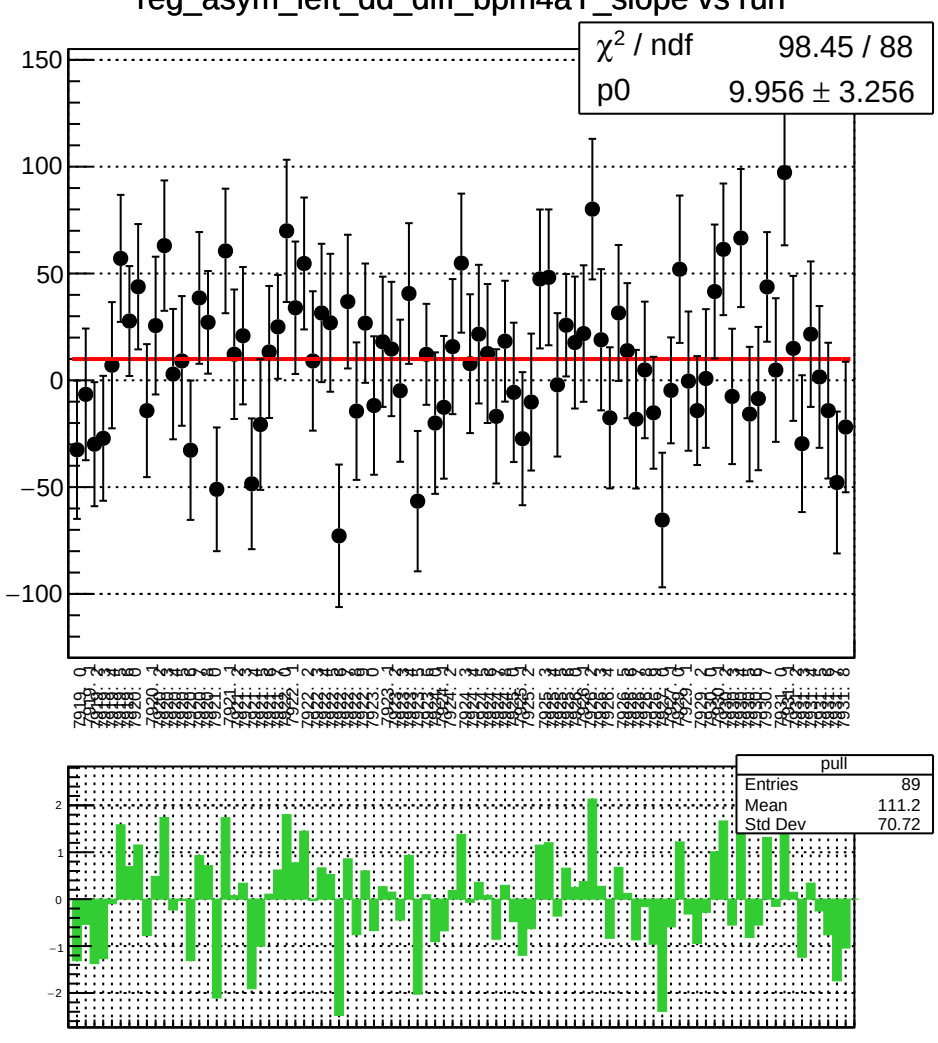

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 100 / 88
p0 14.21 ± 3.737
150
100
50
0
−50
−100
pull
Entries 89
Mean −47.37
Std Dev 65.57
2
1
0
−1
−2

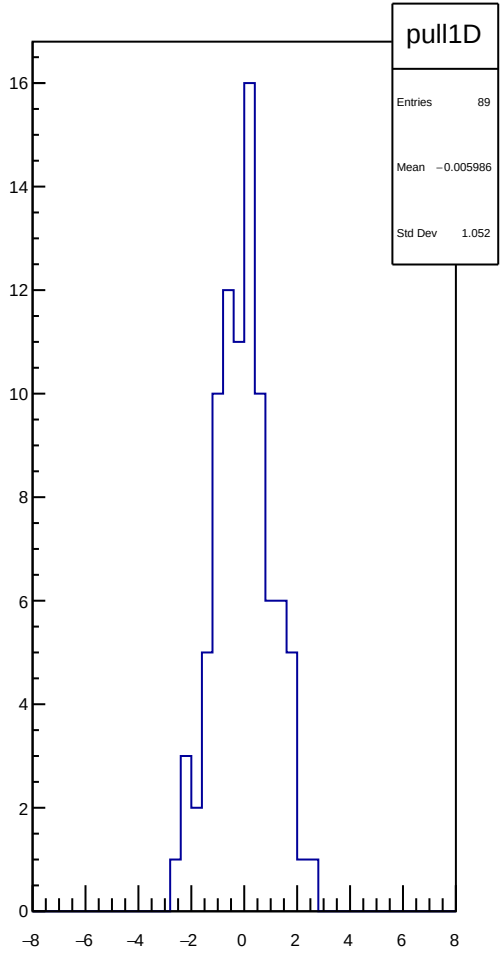

pull1D
Entries 89
Mean −0.009368
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

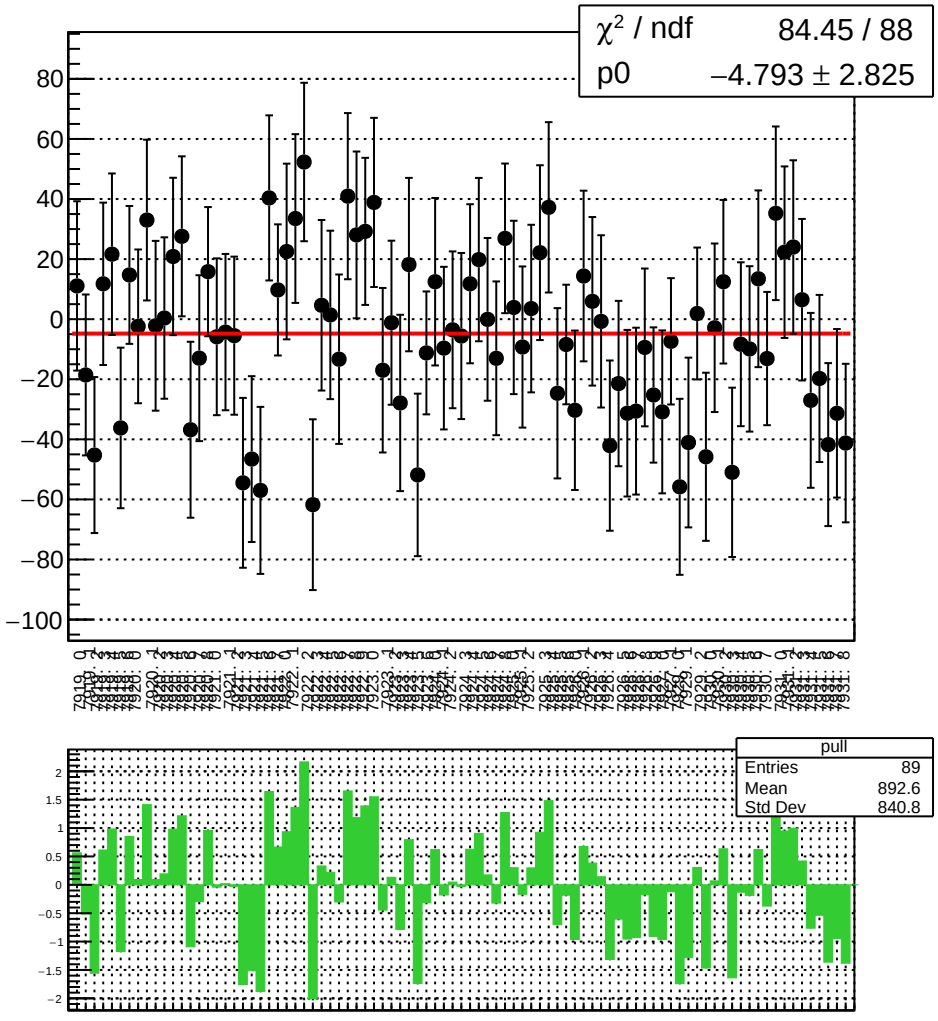

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 123.4 / 88
p0 −19.88 ± 0.1081
pull
Entries 89
Mean −195.2
Std Dev 210.8
pull1D
Entries 89
Mean −0.009884
Std Dev 1.177

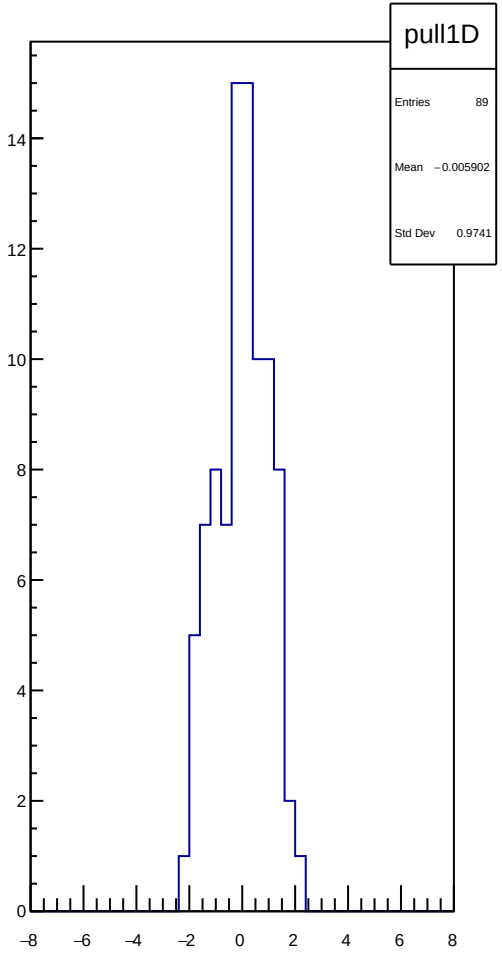

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 85.78 / 88
p0 −27.22 ± 3.159
pull
Entries 89
Mean 1040
Std Dev 987.5

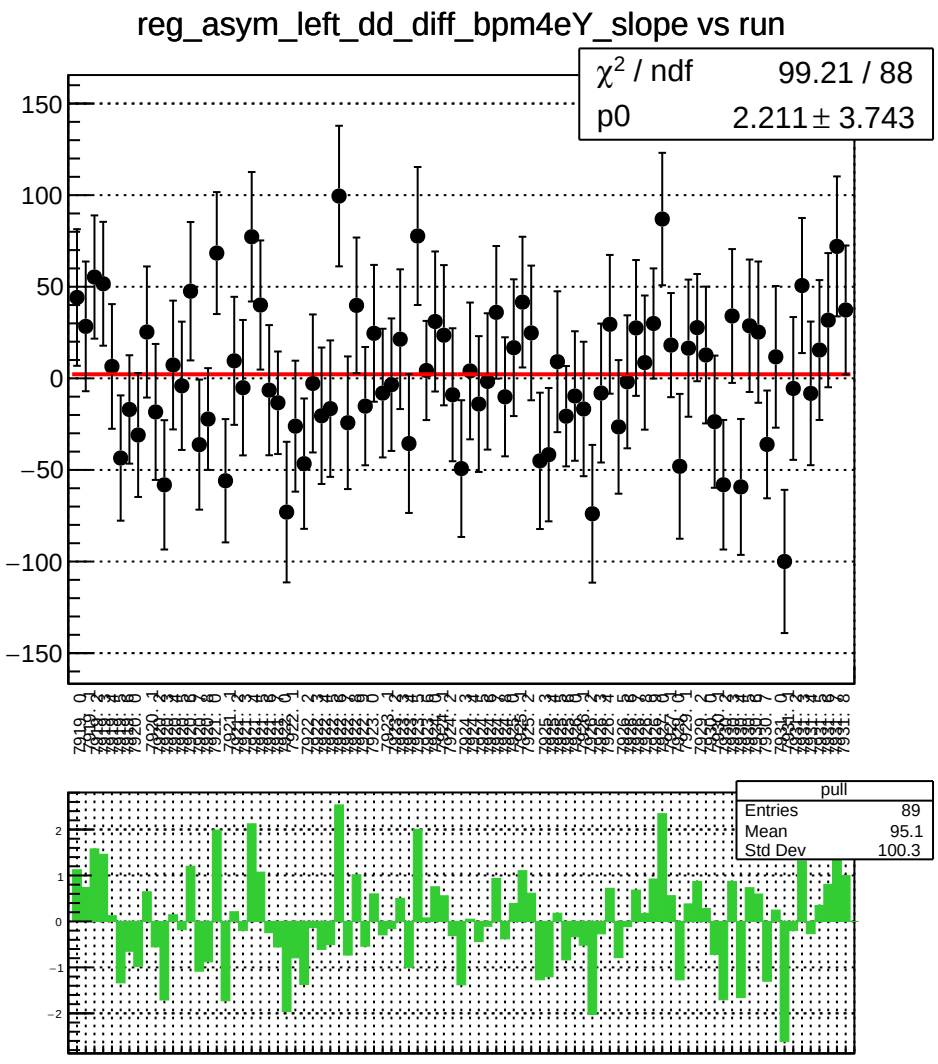

pull1D
Entries 89
Mean 0.005015
Std Dev 0.9817

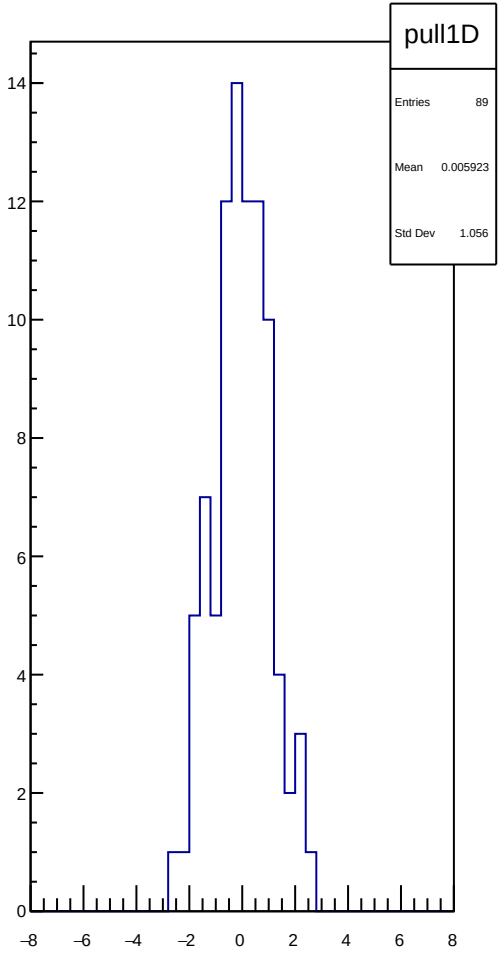

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 98.45 / 88
p0 9.956 ± 3.256
150
100
50
0
−50
−100
pull
Entries 89
Mean 111.2
Std Dev 70.72
2
1
0
−1
−2

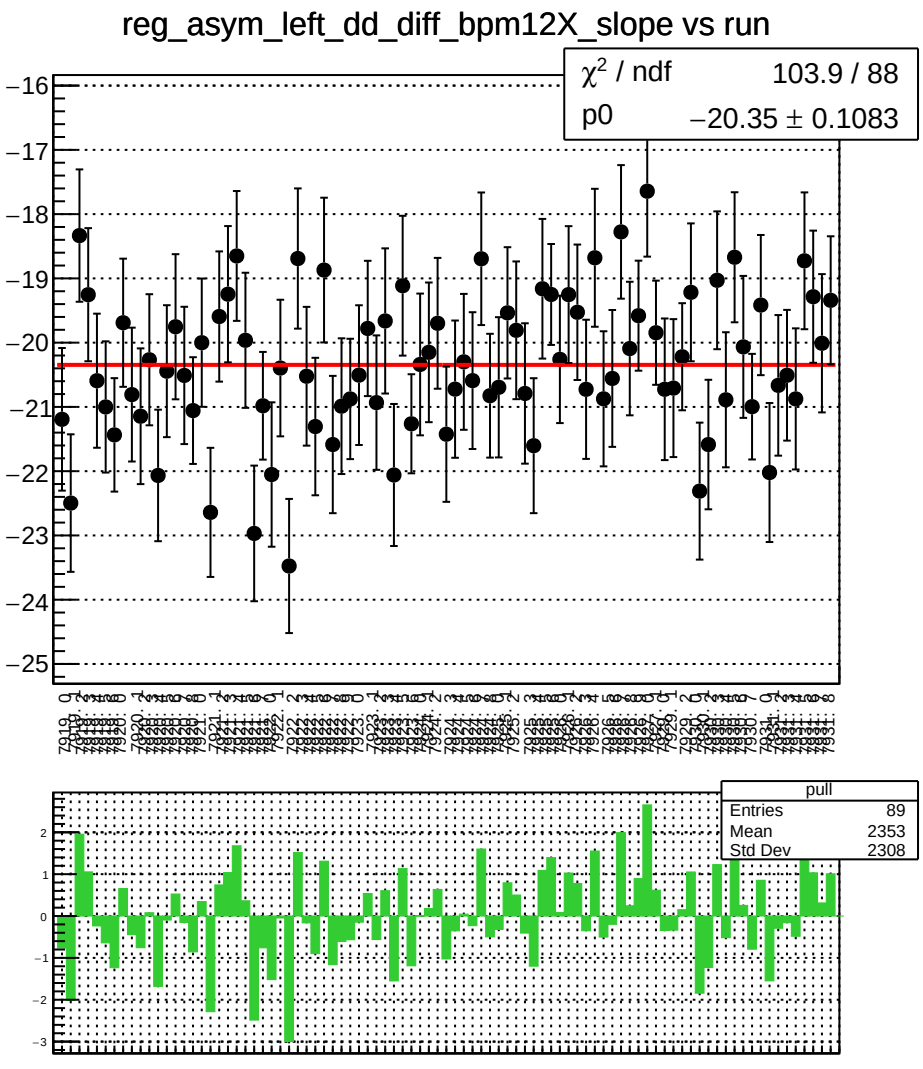

pull1D
Entries 89
Mean −0.005986
Std Dev 1.052
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

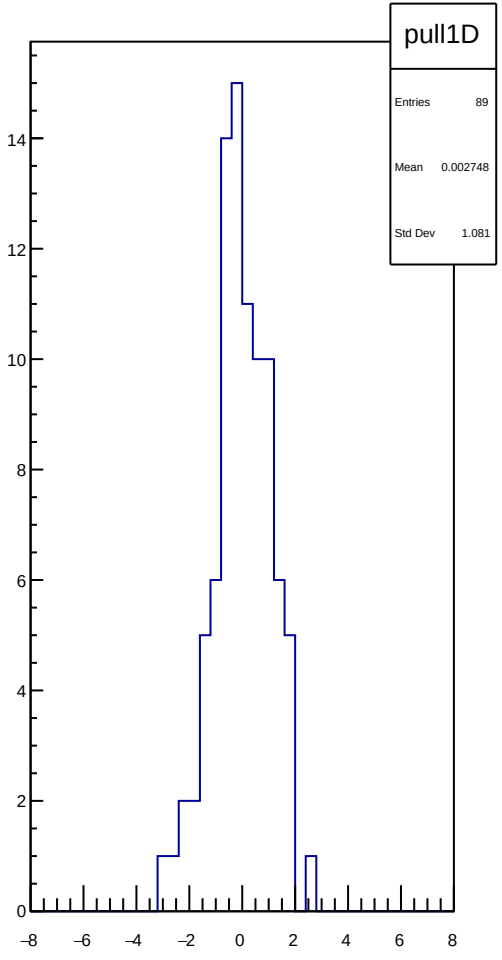

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.45 / 88
p0 −4.793 ± 2.825
pull
Entries 89
Mean 892.6
Std Dev 840.8

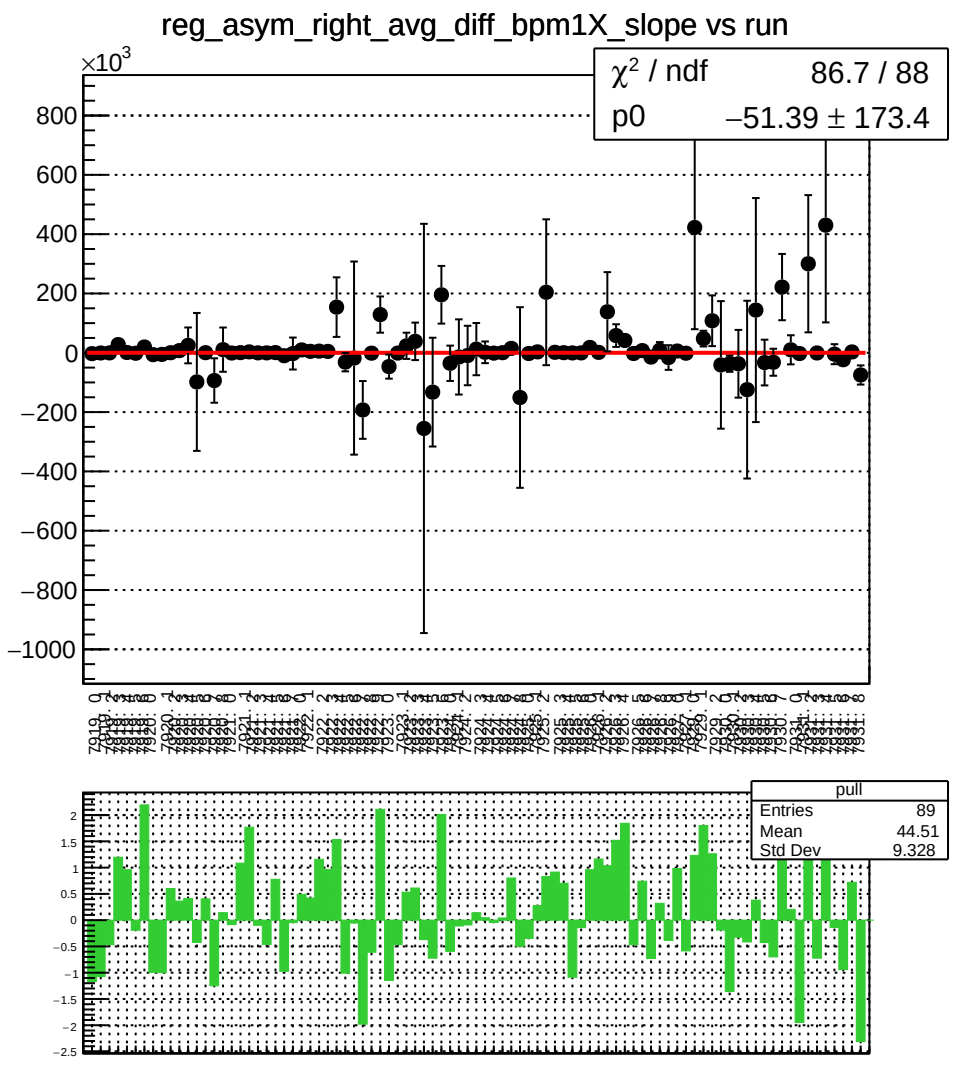

pull1D
Entries 89
Mean −0.005902
Std Dev 0.9741

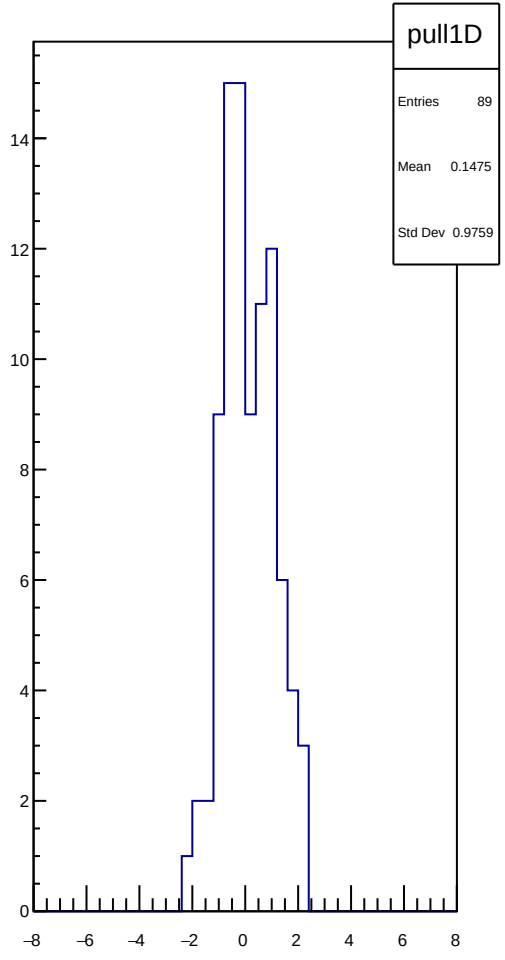

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.21 / 88
p0 2.211 ± 3.743
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 95.1
Std Dev 100.3
2
1
0
−1
−2

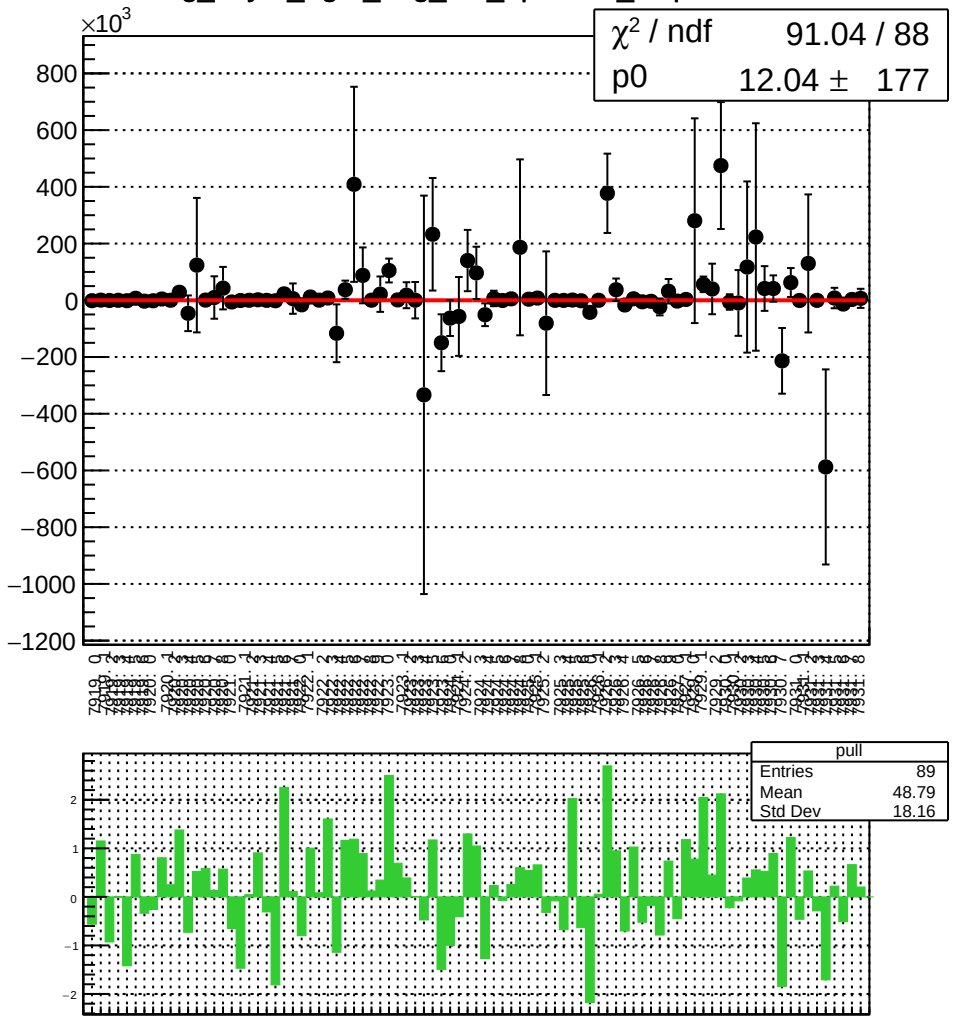

pull1D
Entries 89
Mean 0.005923
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

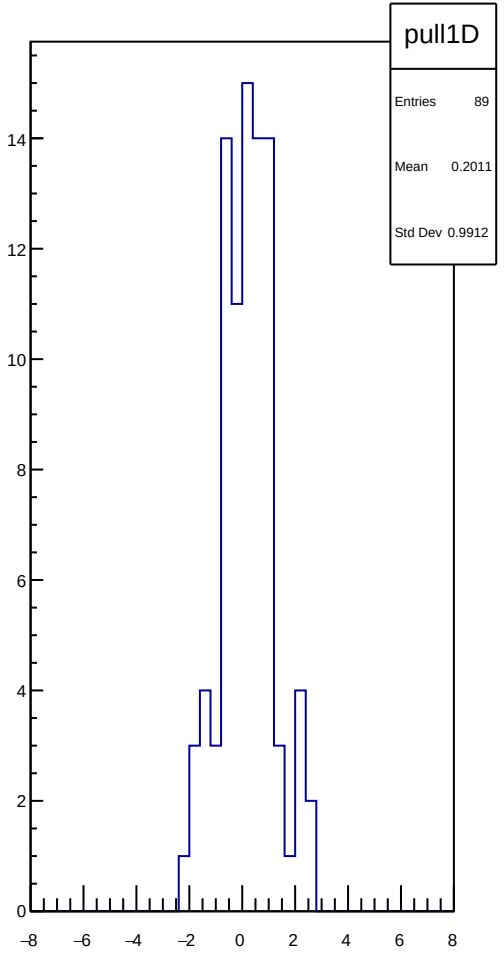

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 103.9 / 88
p0 −20.35 ± 0.1083
pull
Entries 89
Mean 2353
Std Dev 2308

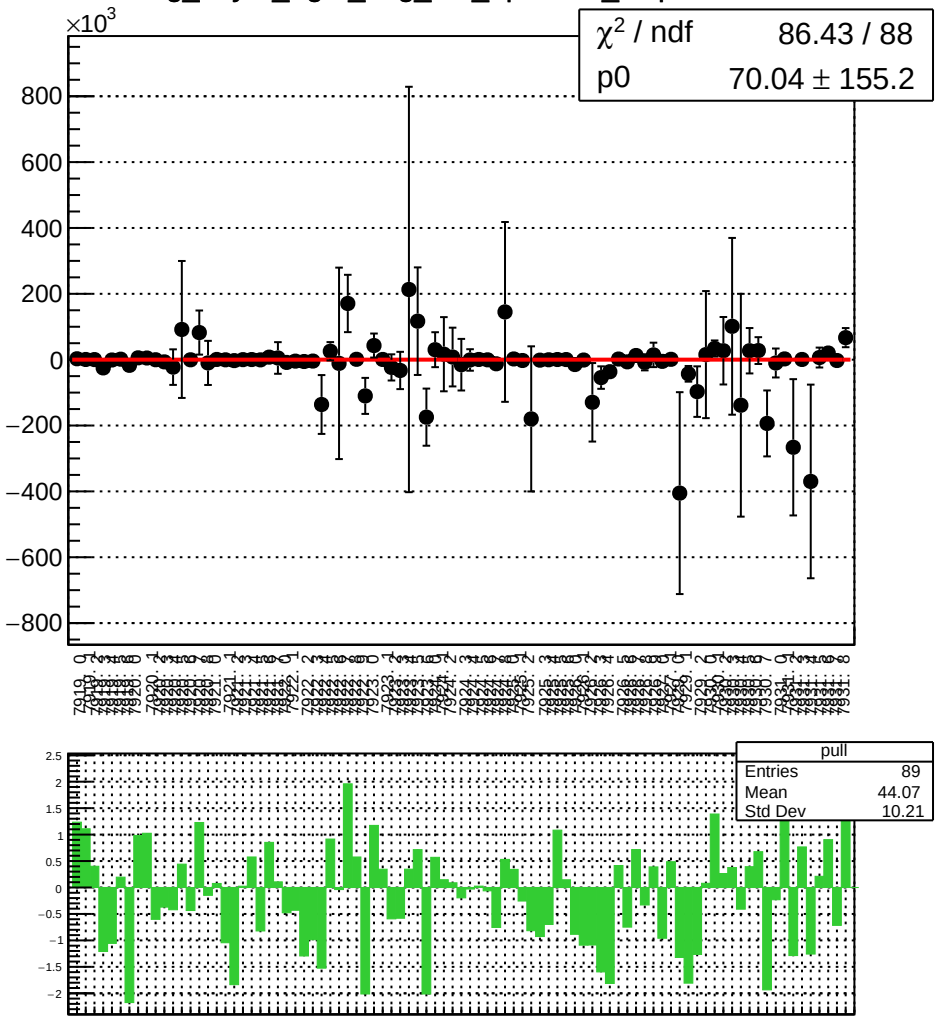

pull1D
Entries 89
Mean 0.002748
Std Dev 1.081

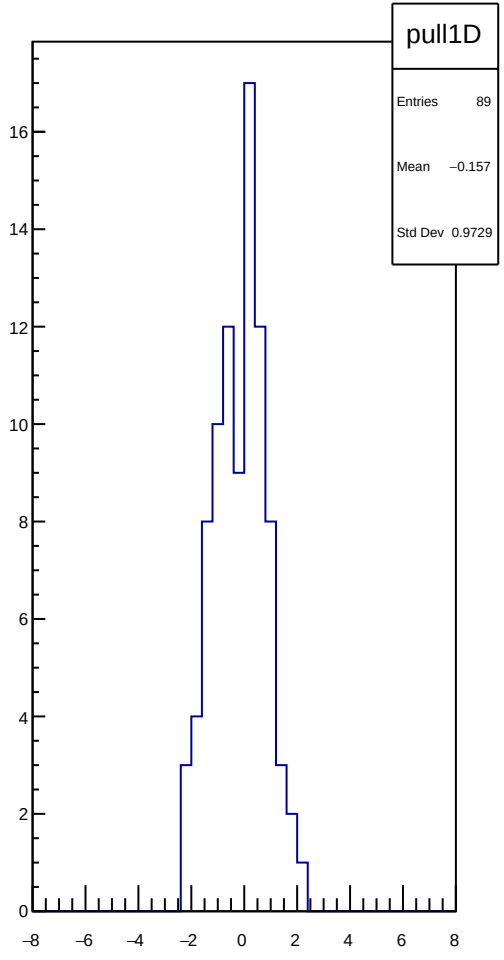

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 86.7 / 88
p0 −51.39 ± 173.4
pull
Entries 89
Mean 44.51
Std Dev 9.328

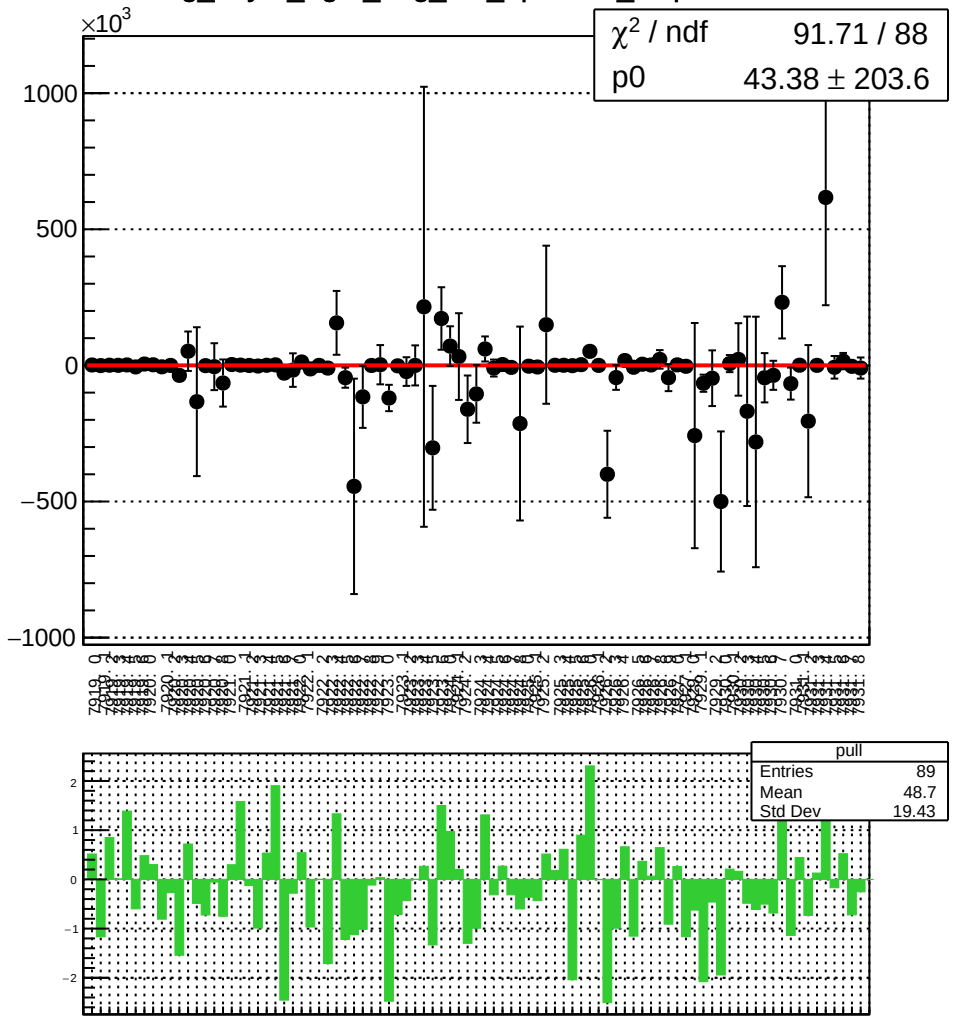

pull1D
Entries 89
Mean 0.1475
Std Dev 0.9759

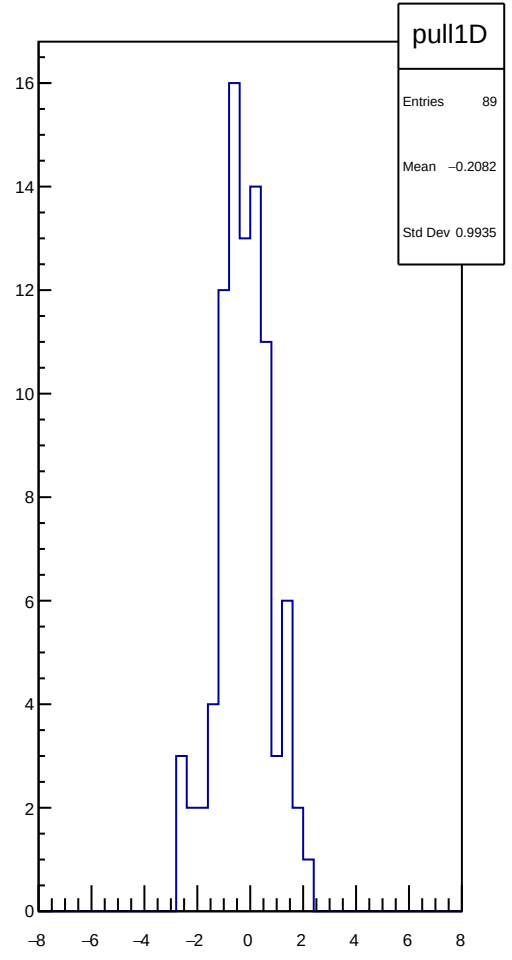

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 91.04 / 88
p0 12.04 ± 177
pull
Entries 89
Mean 48.79
Std Dev 18.16

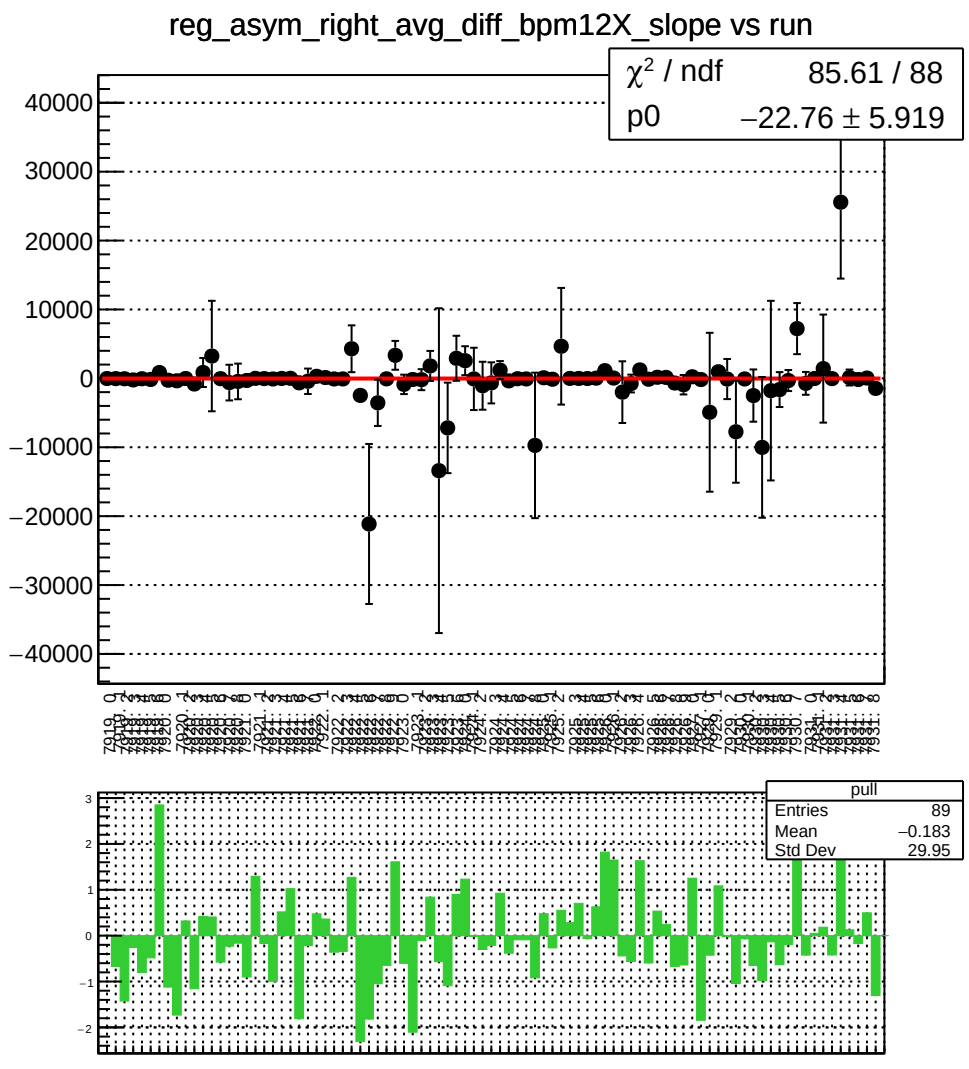

pull1D
Entries 89
Mean 0.2011
Std Dev 0.9912

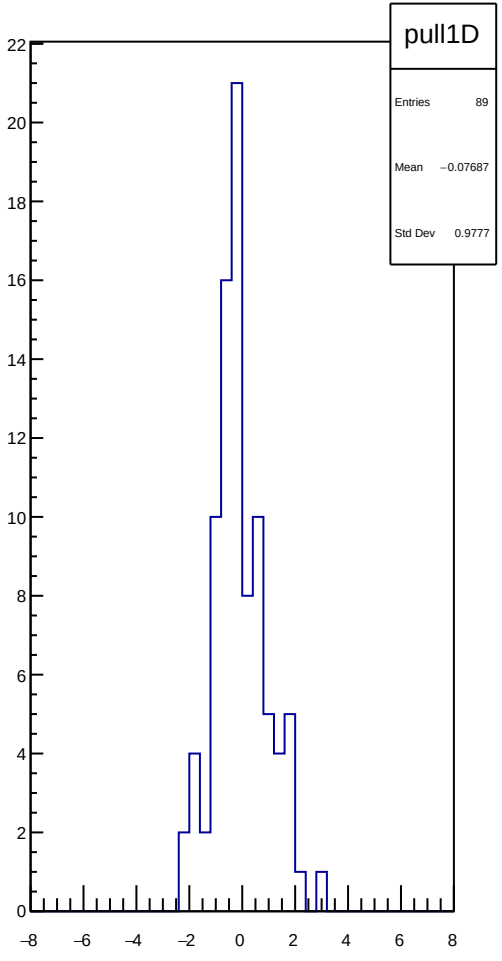

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 86.43 / 88
p0 70.04 ± 155.2
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 89
Mean 44.07
Std Dev 10.21
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

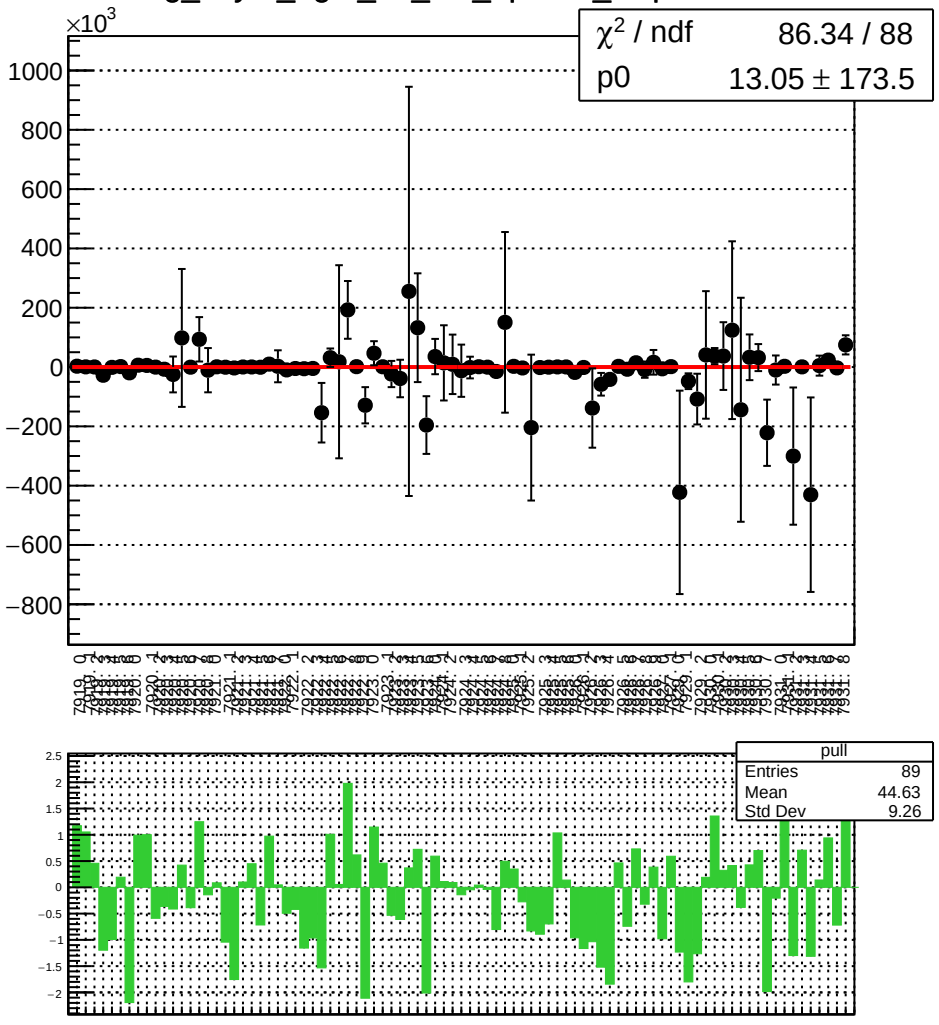

pull1D
Entries 89
Mean −0.157
Std Dev 0.9729
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

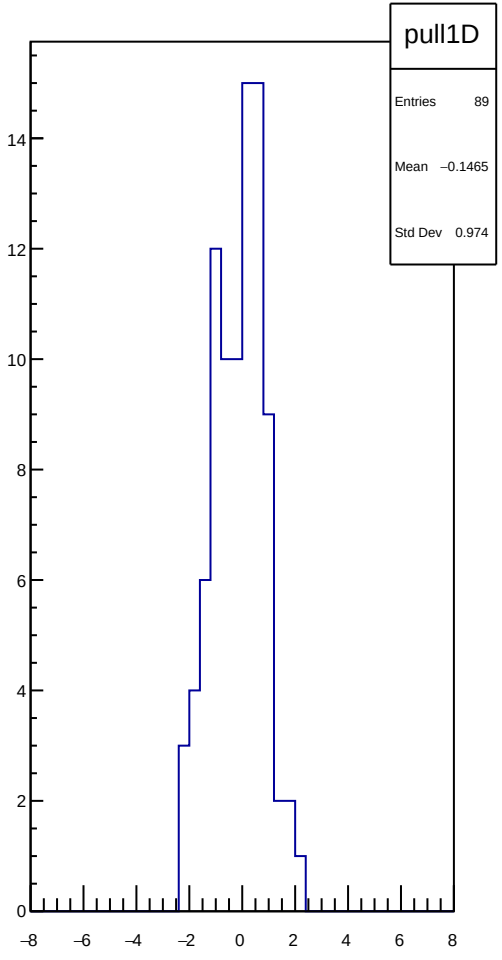

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 91.71 / 88
p0 43.38 ± 203.6
1000
500
0
−500
−1000
pull
Entries 89
Mean 48.7
Std Dev 19.43
2
1
0
−1
−2

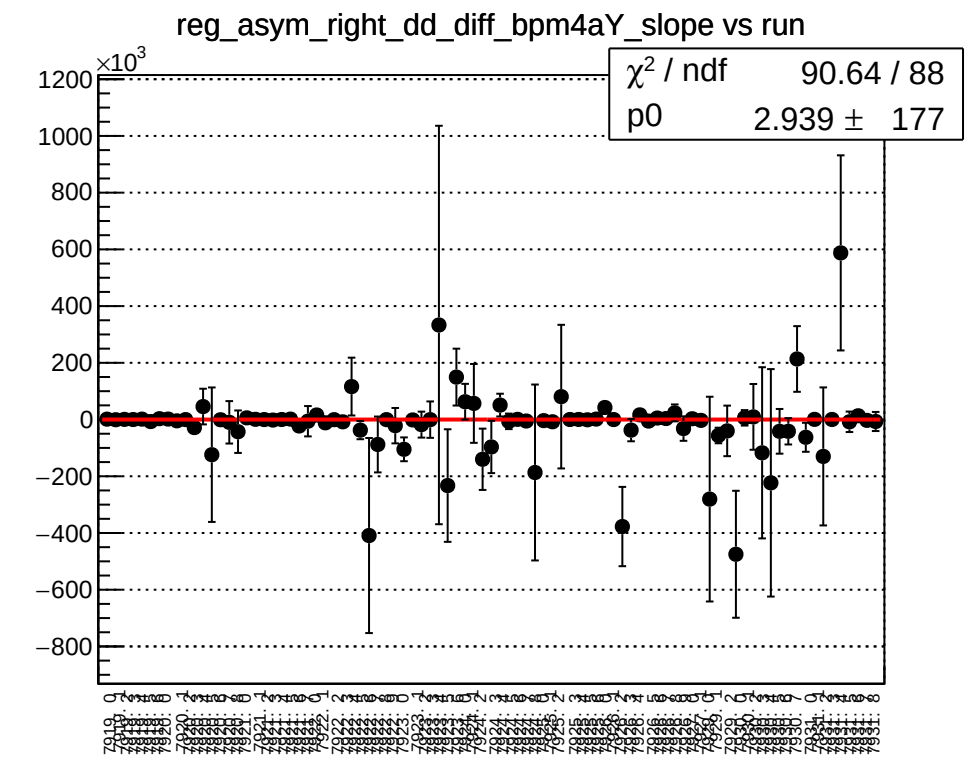

pull1D
Entries 89
Mean −0.2082
Std Dev 0.9935
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

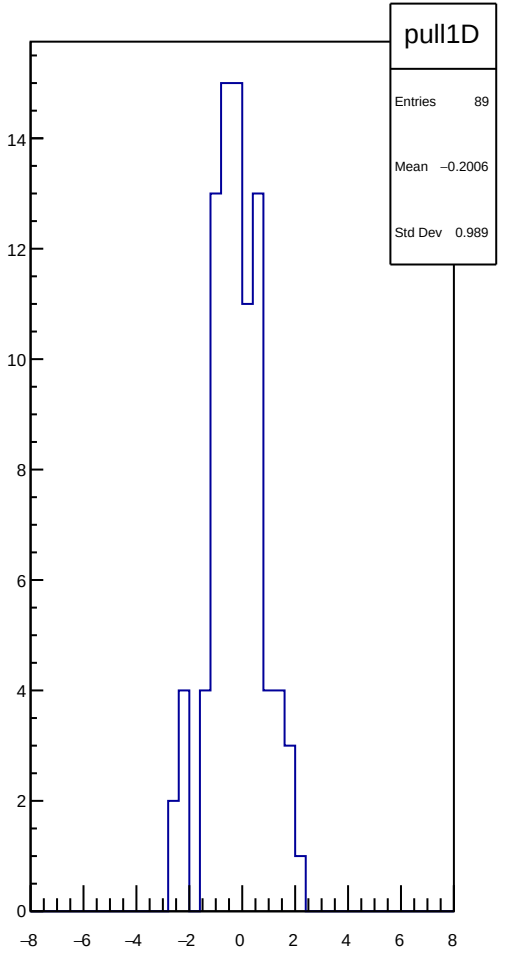

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 85.61 / 88
p0 −22.76 ± 5.919
pull
Entries 89
Mean −0.183
Std Dev 29.95

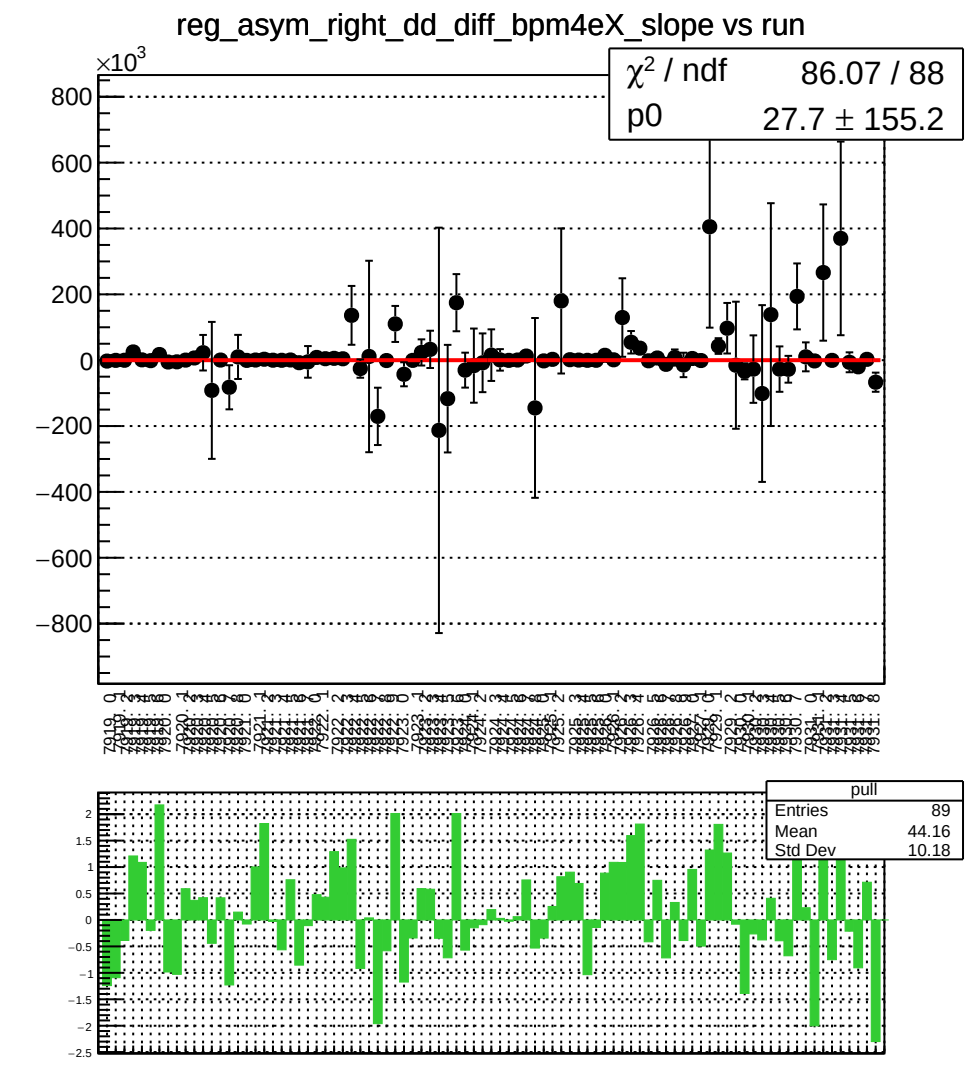

pull1D
Entries 89
Mean −0.07687
Std Dev 0.9777

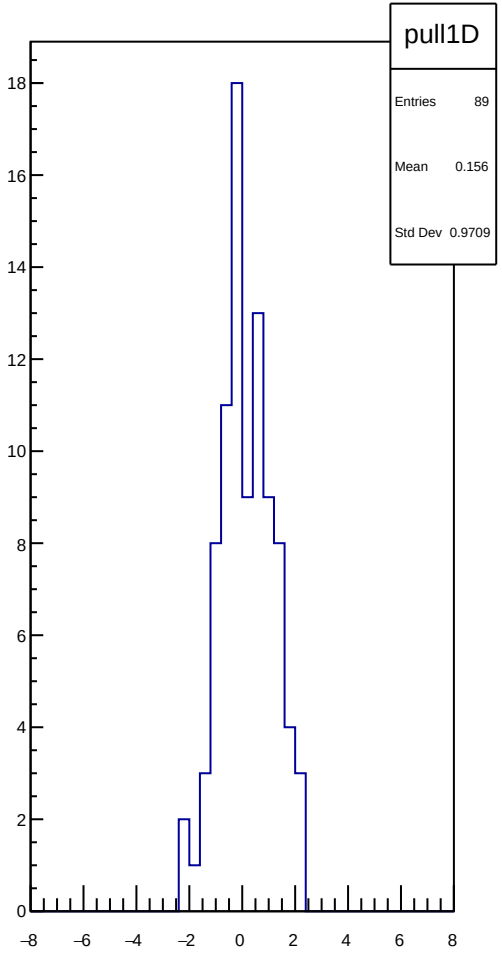

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 86.34 / 88
p0 13.05 ± 173.5
pull
Entries 89
Mean 44.63
Std Dev 9.26

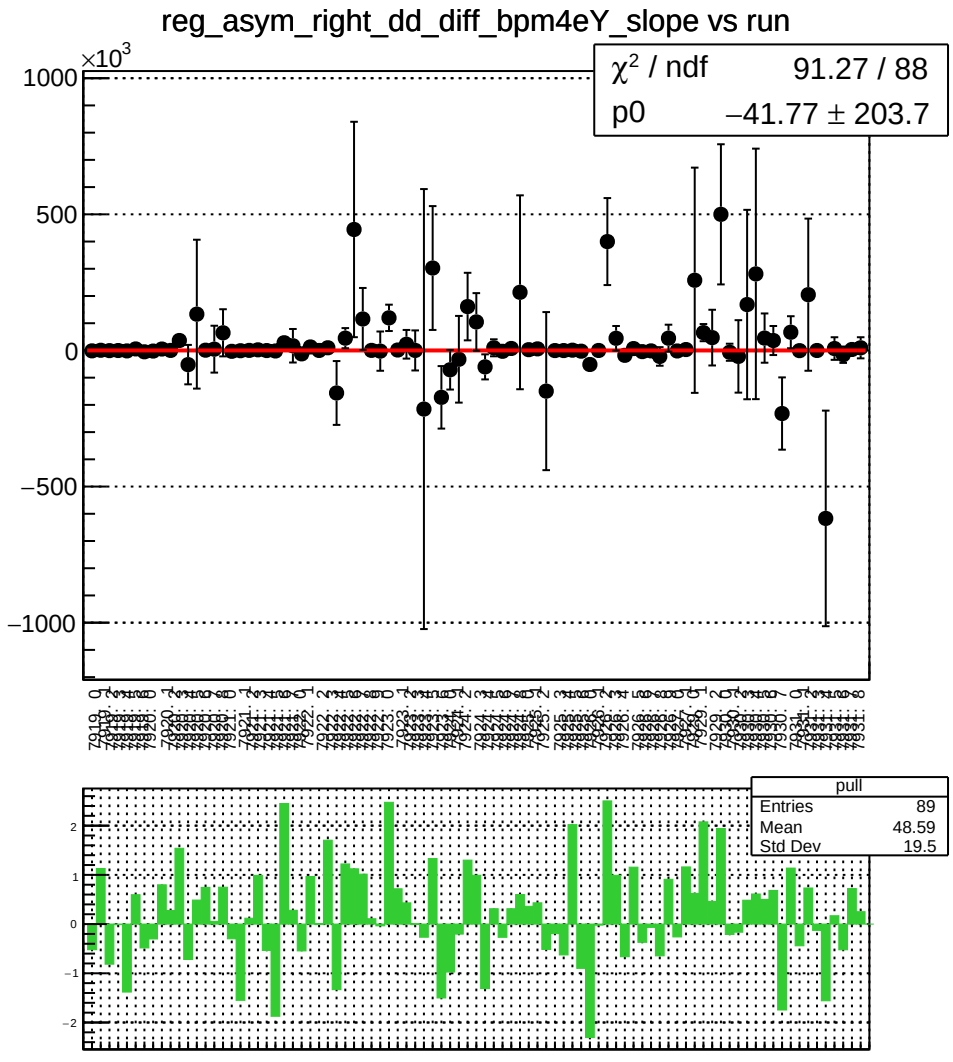

pull1D
Entries 89
Mean −0.1465
Std Dev 0.974

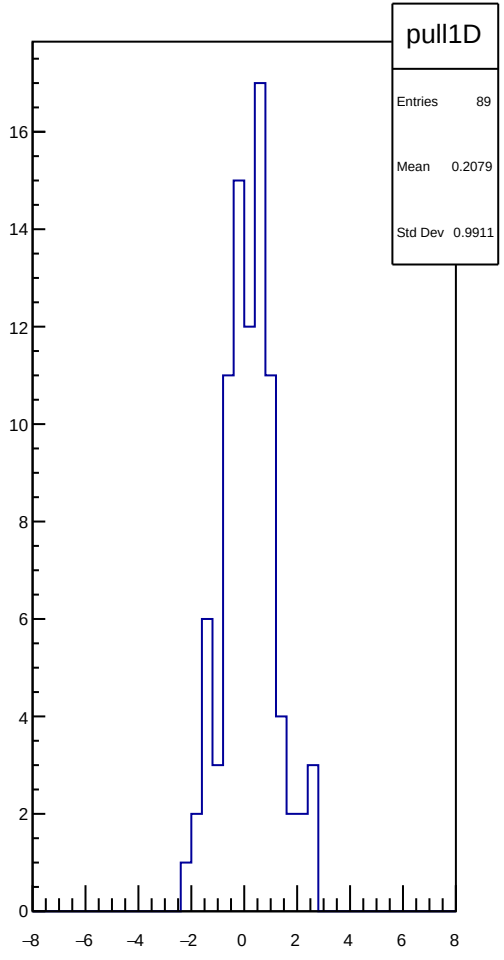

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 90.64 / 88
p0 2.939 ± 177
pull
Entries 89
Mean 48.73
Std Dev 18.16

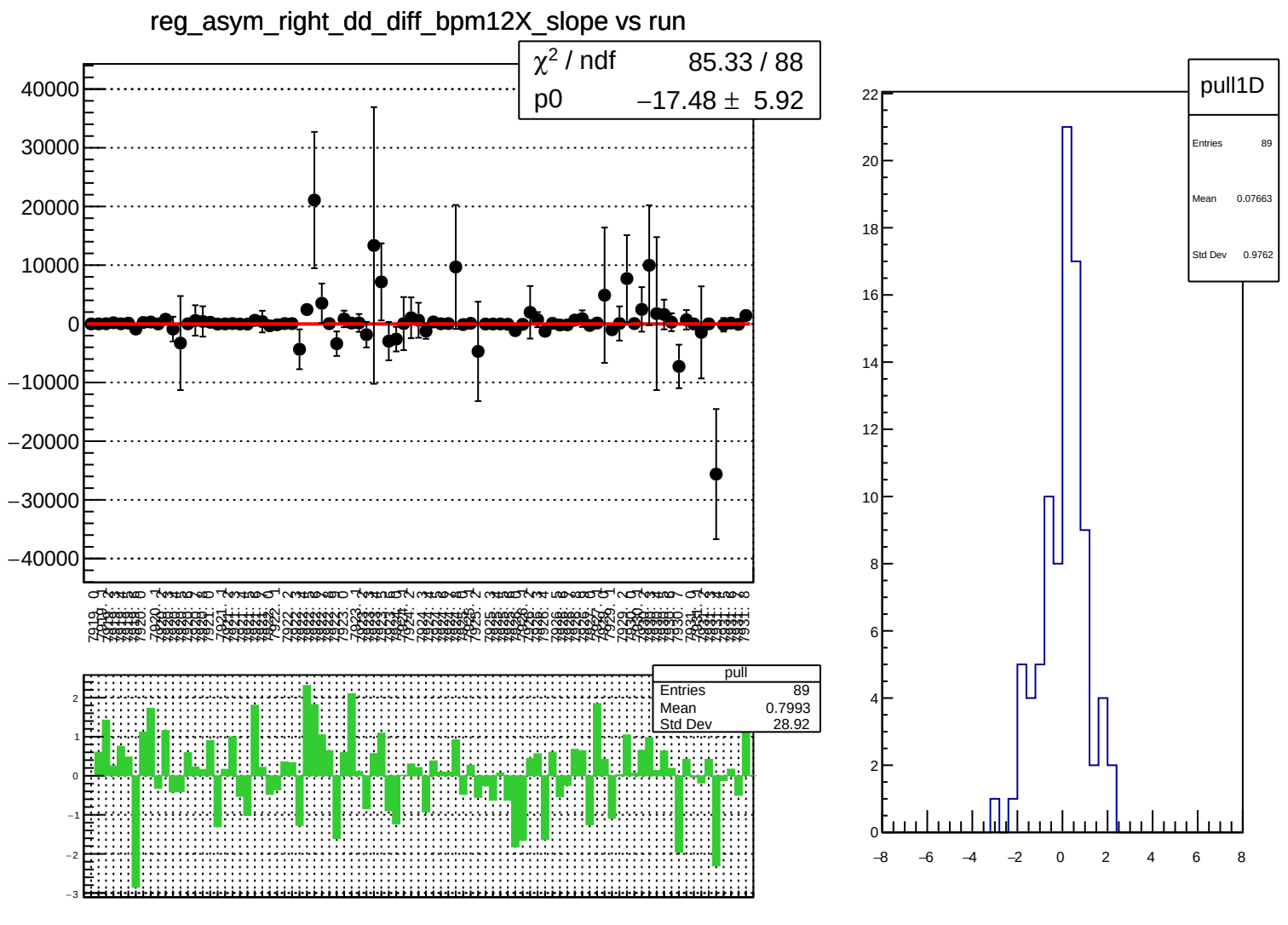

pull1D
Entries 89
Mean −0.2006
Std Dev 0.989

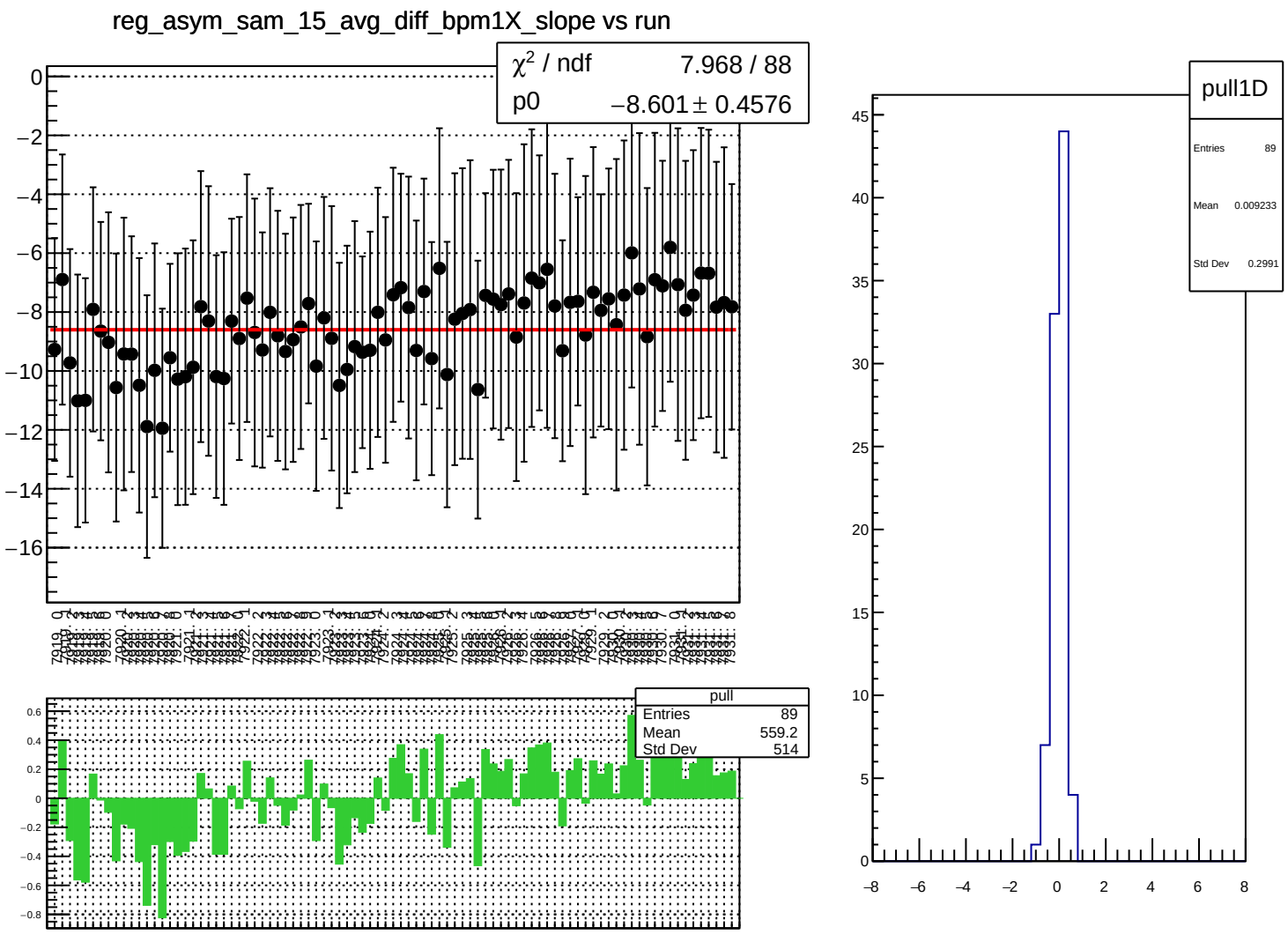

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 86.07 / 88
p0 27.7 ± 155.2
pull
Entries 89
Mean 44.16
Std Dev 10.18

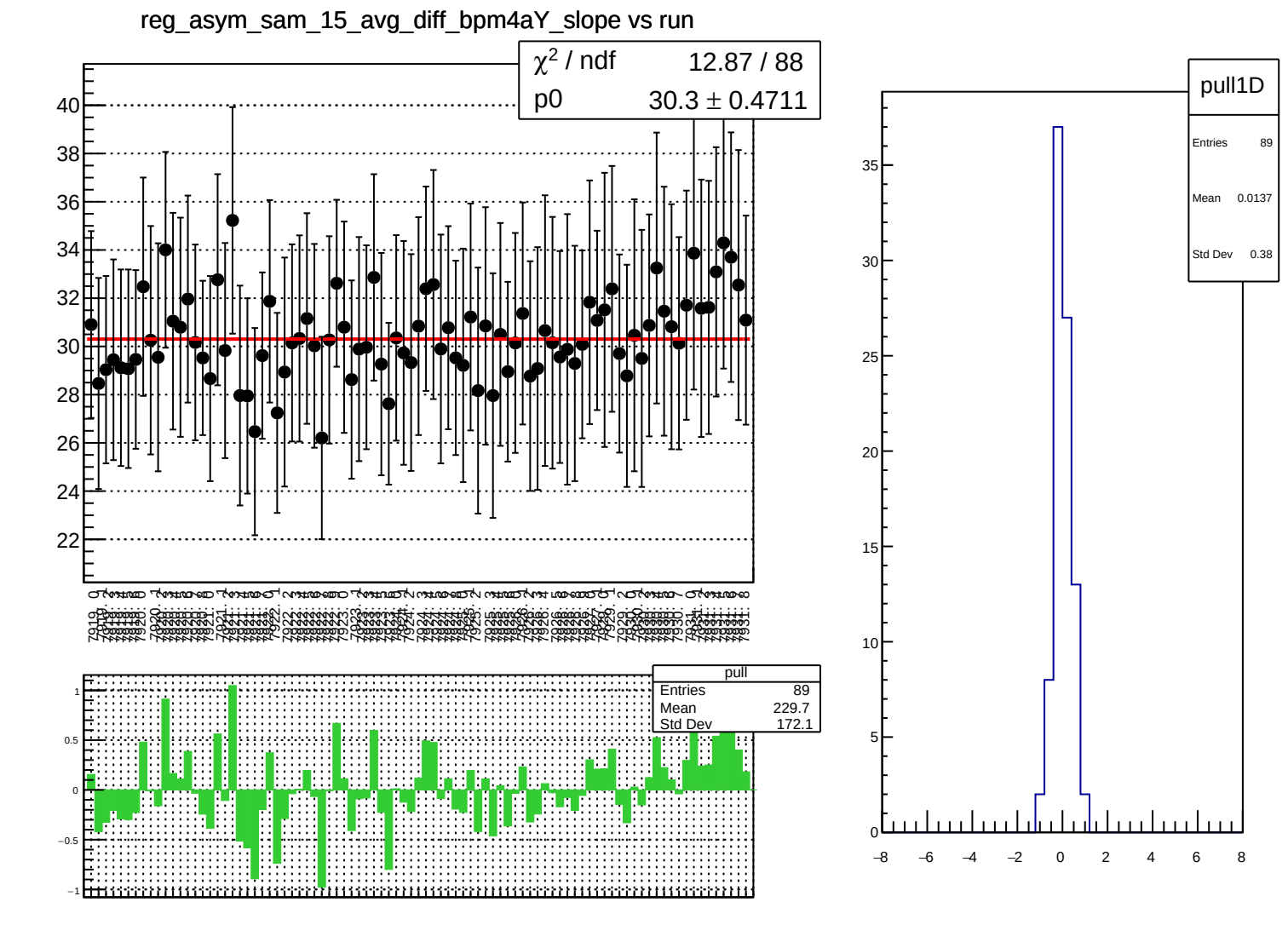

pull1D
Entries 89
Mean 0.156
Std Dev 0.9709

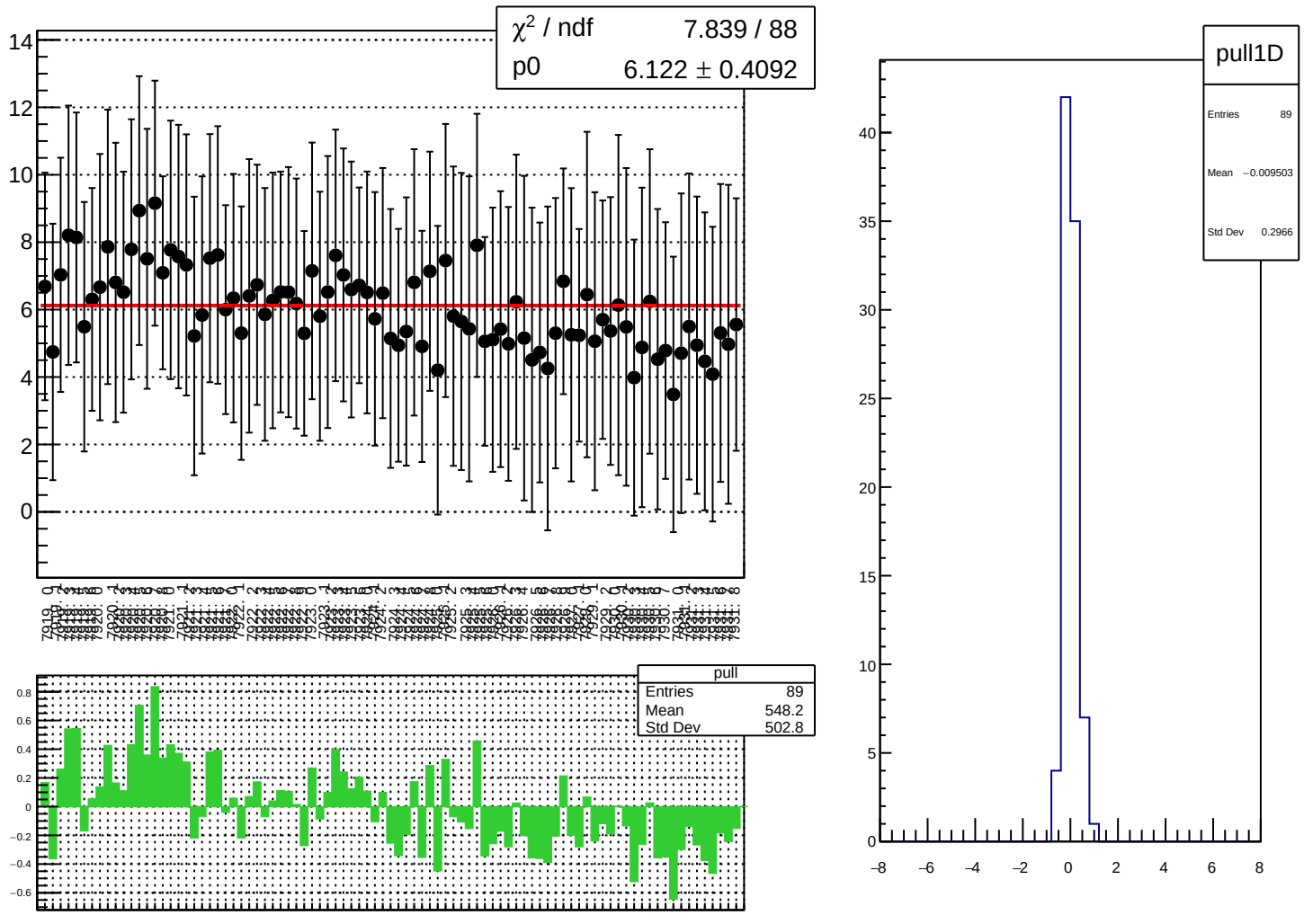

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 91.27 / 88
p0 −41.77 ± 203.7
pull
Entries 89
Mean 48.59
Std Dev 19.5
2
1
0
−1
−2

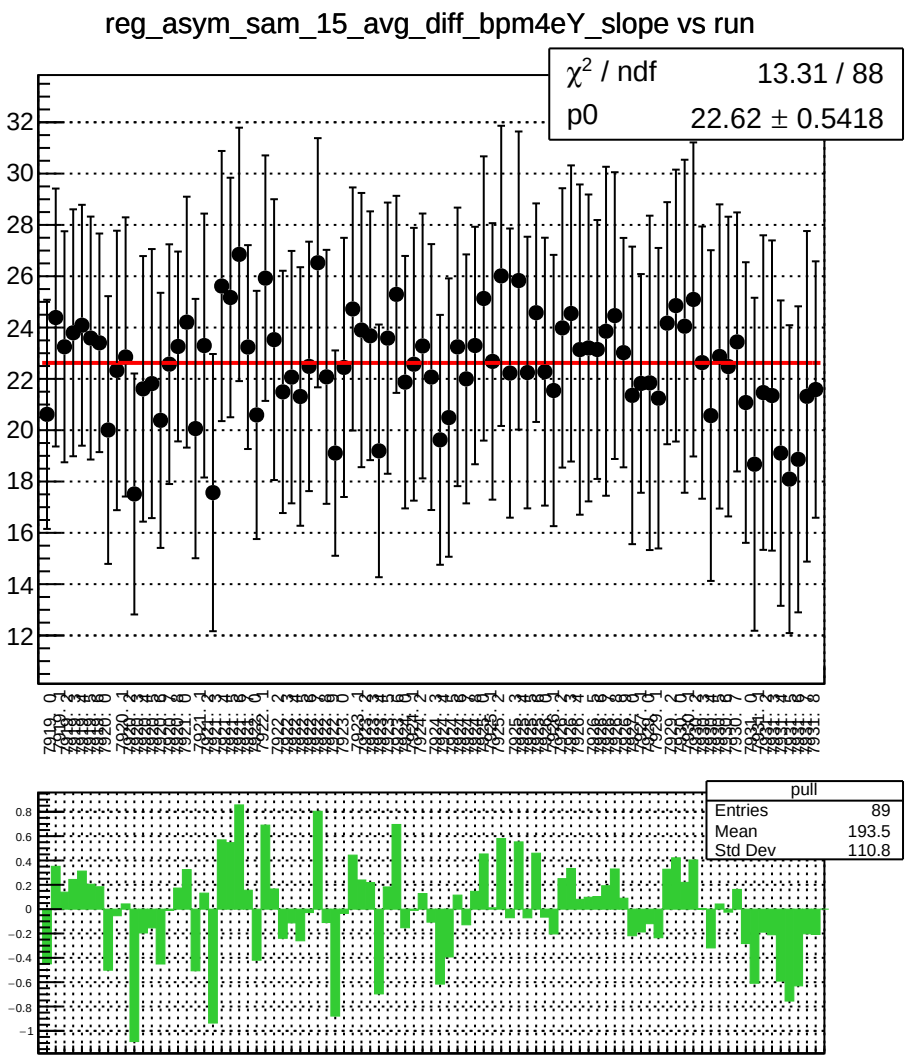

pull1D
Entries 89
Mean 0.2079
Std Dev 0.9911
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

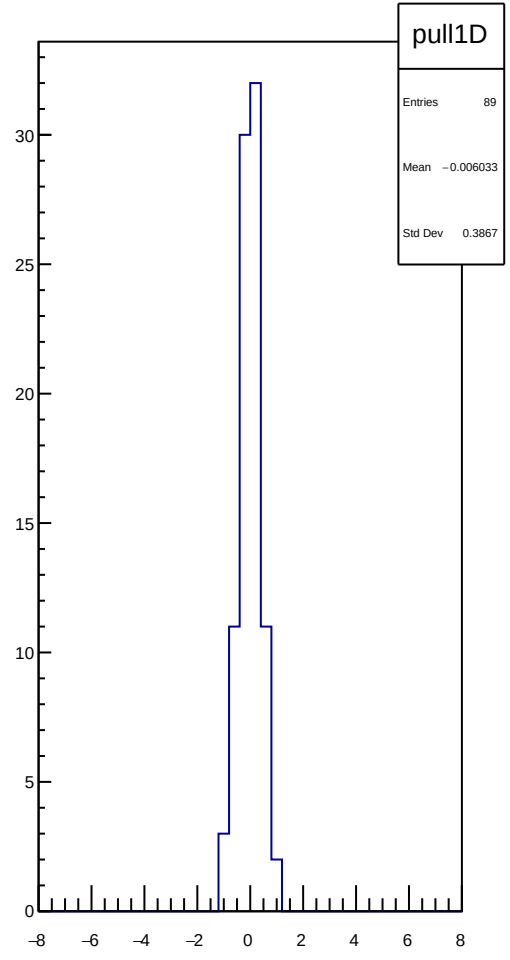

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 85.33 / 88
p0 −17.48 ± 5.92
pull
Entries 89
Mean 0.7993
Std Dev 28.92
pull1D
Entries 89
Mean 0.07663
Std Dev 0.9762

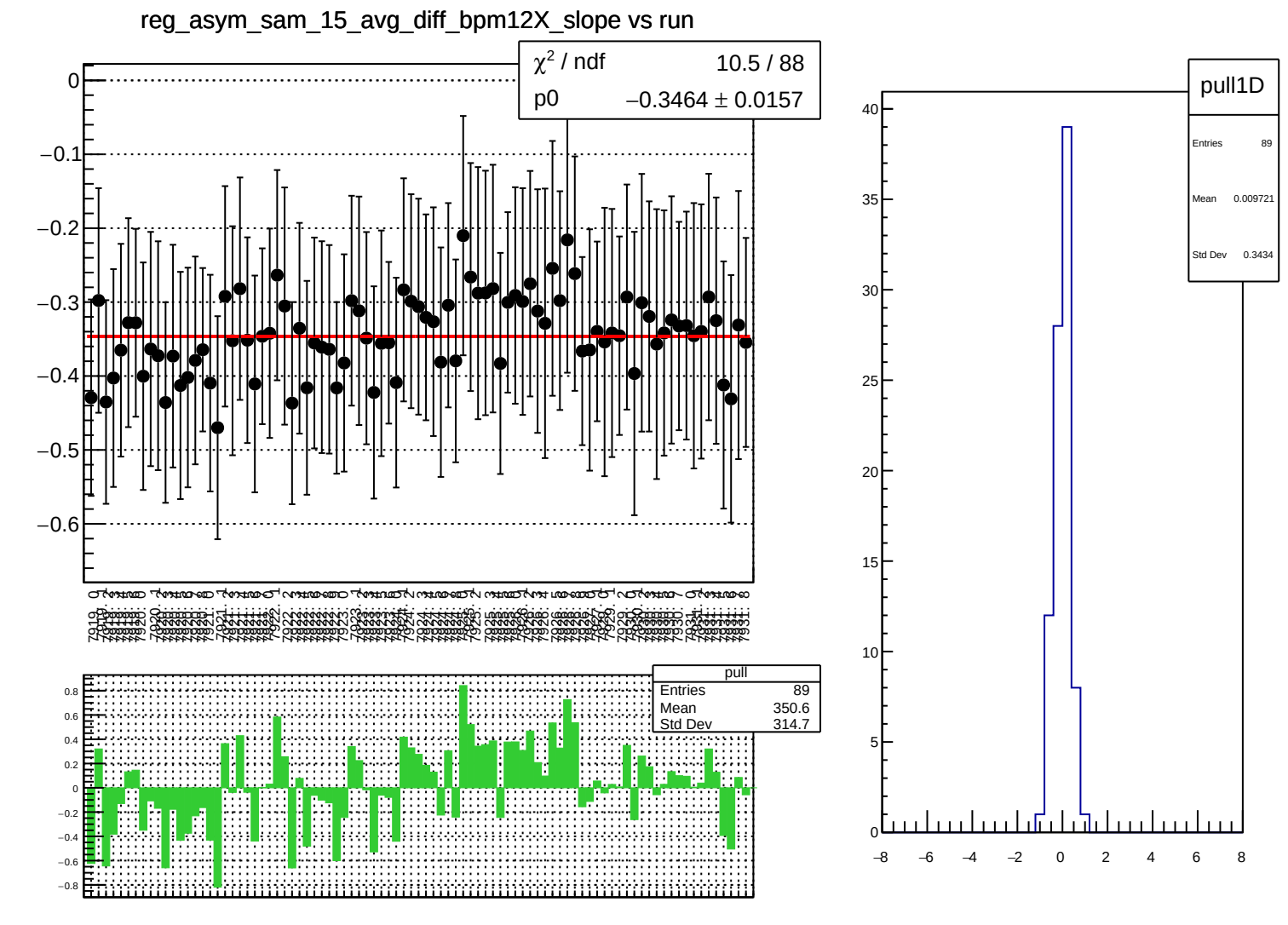

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 7.968 / 88
p0 −8.601 ± 0.4576
pull
Entries 89
Mean 559.2
Std Dev 514
pull1D
Entries 89
Mean 0.009233
Std Dev 0.2991

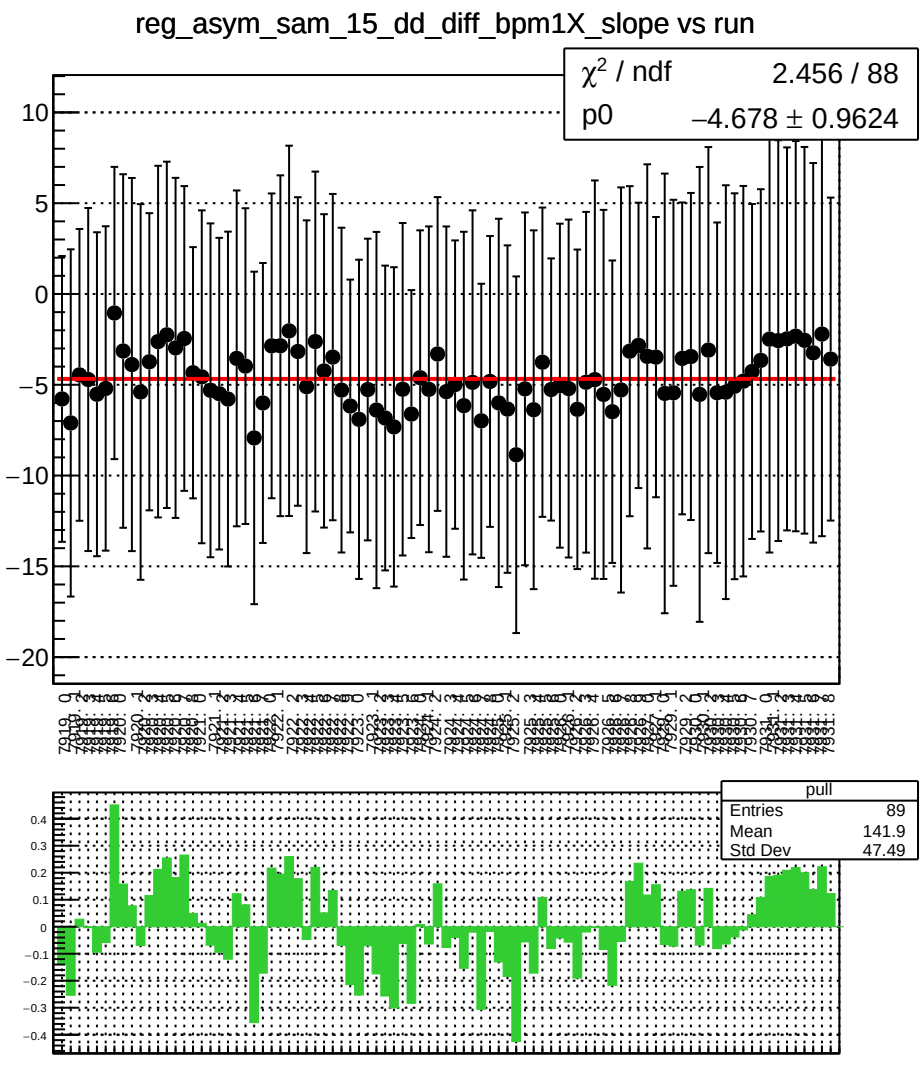

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.87 / 88
p0 30.3 ± 0.4711
pull
Entries 89
Mean 229.7
Std Dev 172.1
pull1D
Entries 89
Mean 0.0137
Std Dev 0.38

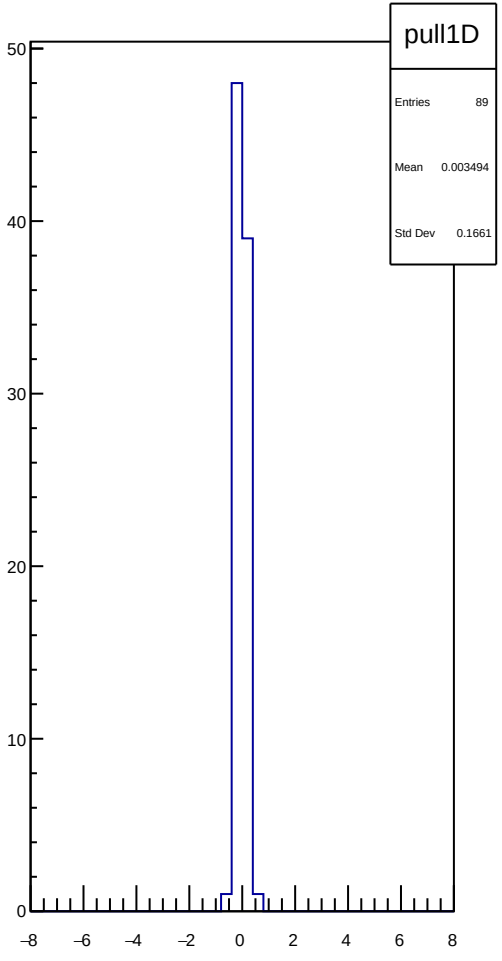

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.839 / 88
p0 6.122 ± 0.4092
pull
Entries 89
Mean 548.2
Std Dev 502.8
pull1D
Entries 89
Mean −0.009503
Std Dev 0.2966

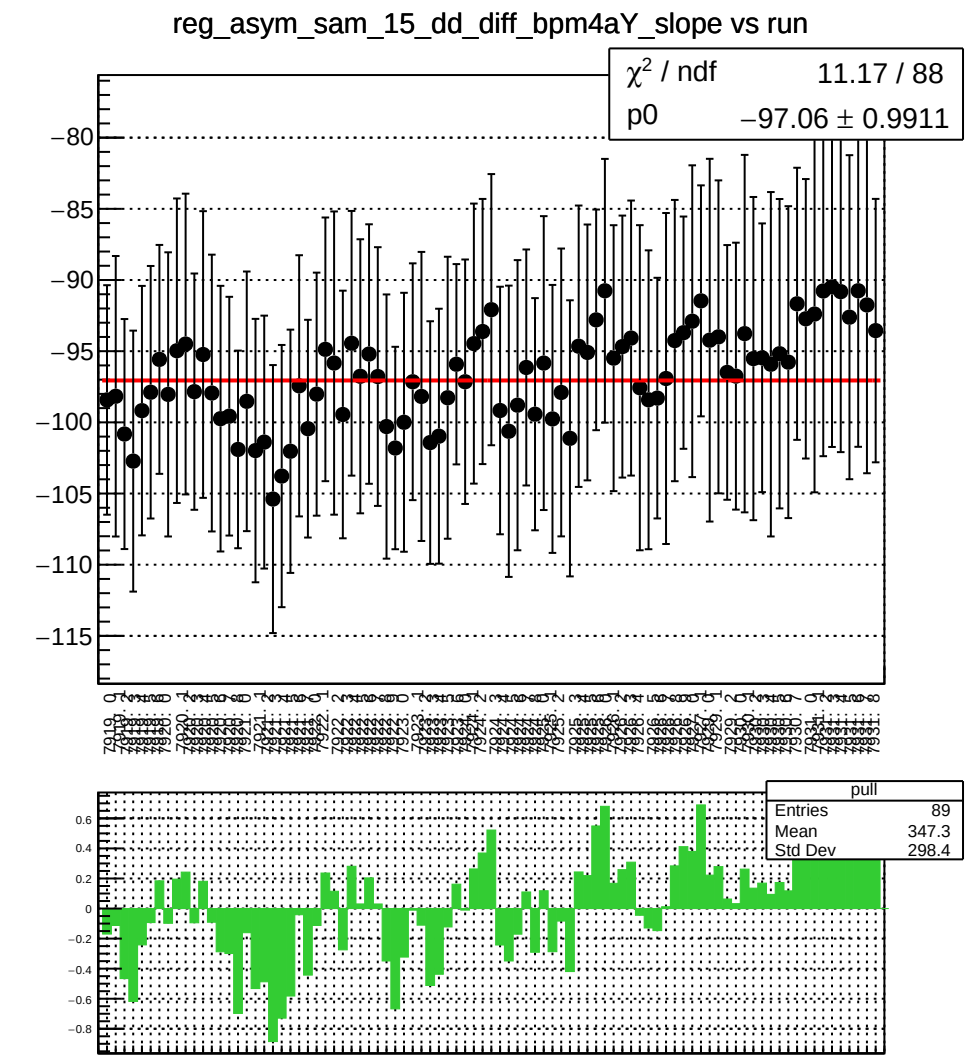

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.31 / 88
p0 22.62 ± 0.5418
pull
Entries 89
Mean 193.5
Std Dev 110.8

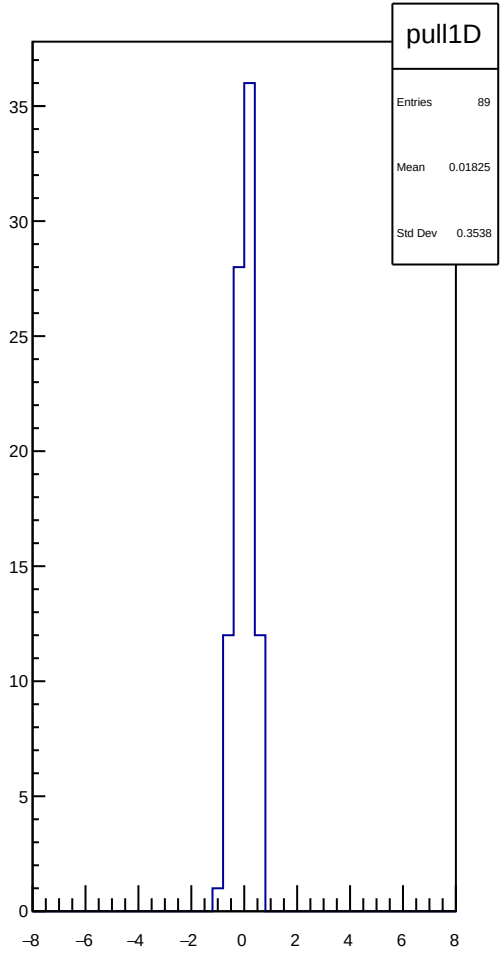

pull1D
Entries 89
Mean −0.006033
Std Dev 0.3867

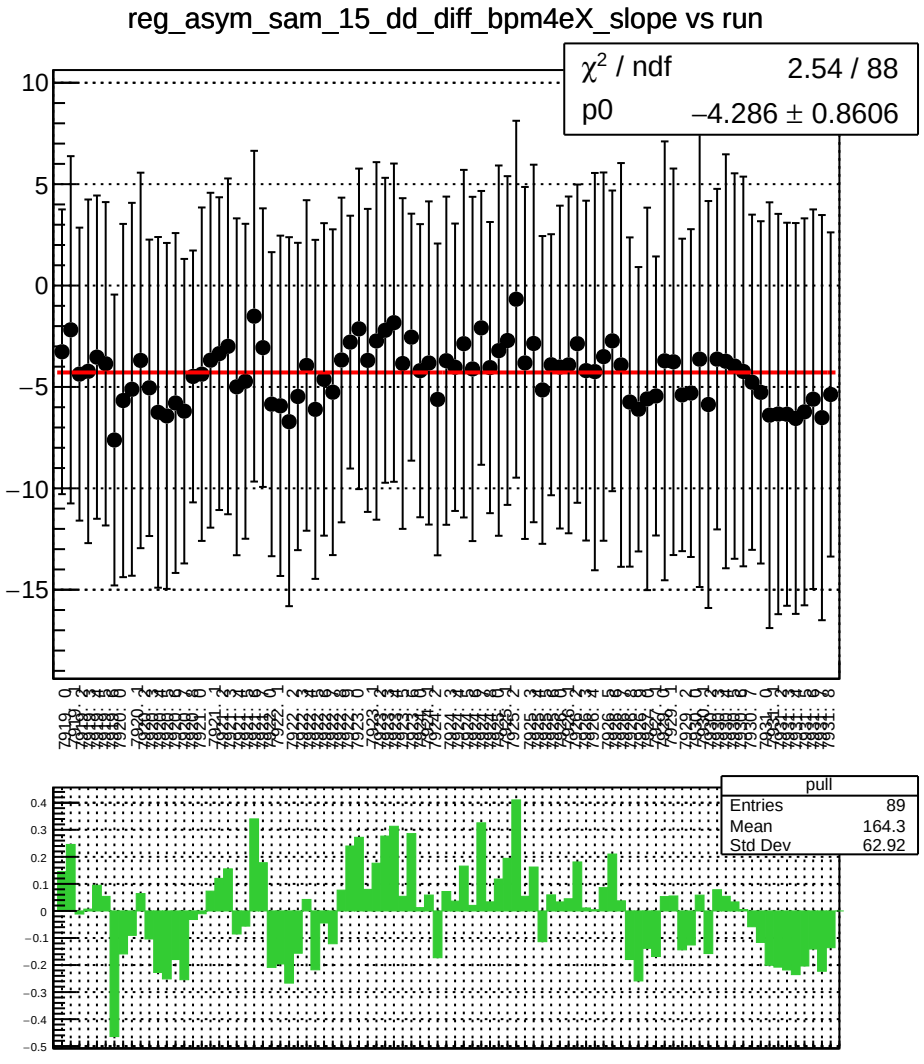

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 10.5 / 88
p0 −0.3464 ± 0.0157
pull
Entries 89
Mean 350.6
Std Dev 314.7
pull1D
Entries 89
Mean 0.009721
Std Dev 0.3434

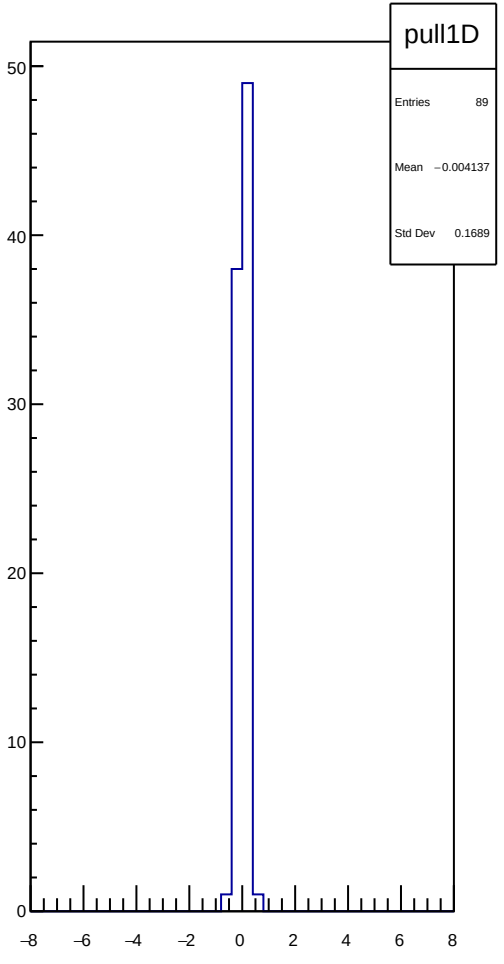

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.456 / 88
p0 −4.678 ± 0.9624
pull
Entries 89
Mean 141.9
Std Dev 47.49

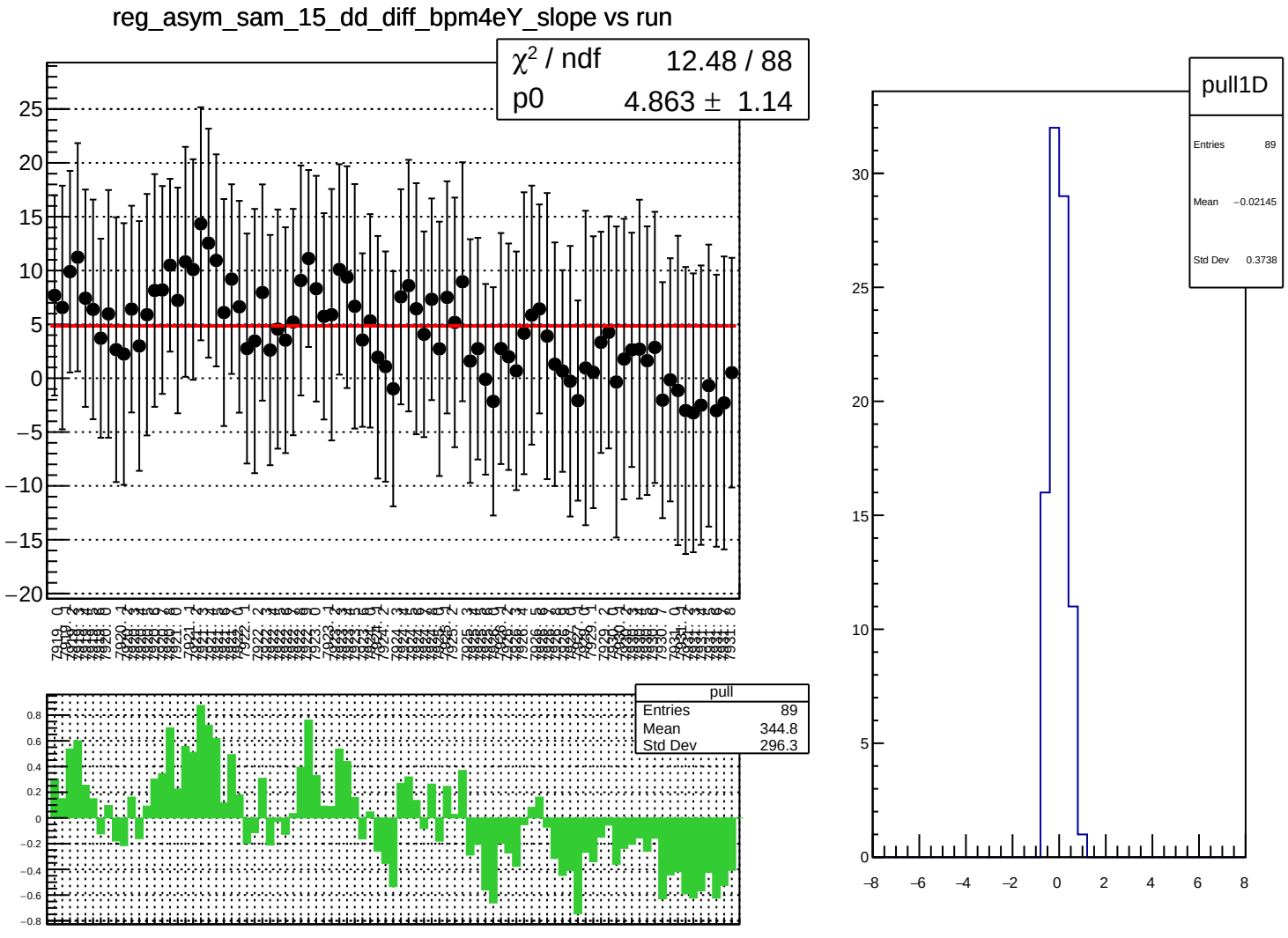

pull1D
Entries 89
Mean 0.003494
Std Dev 0.1661

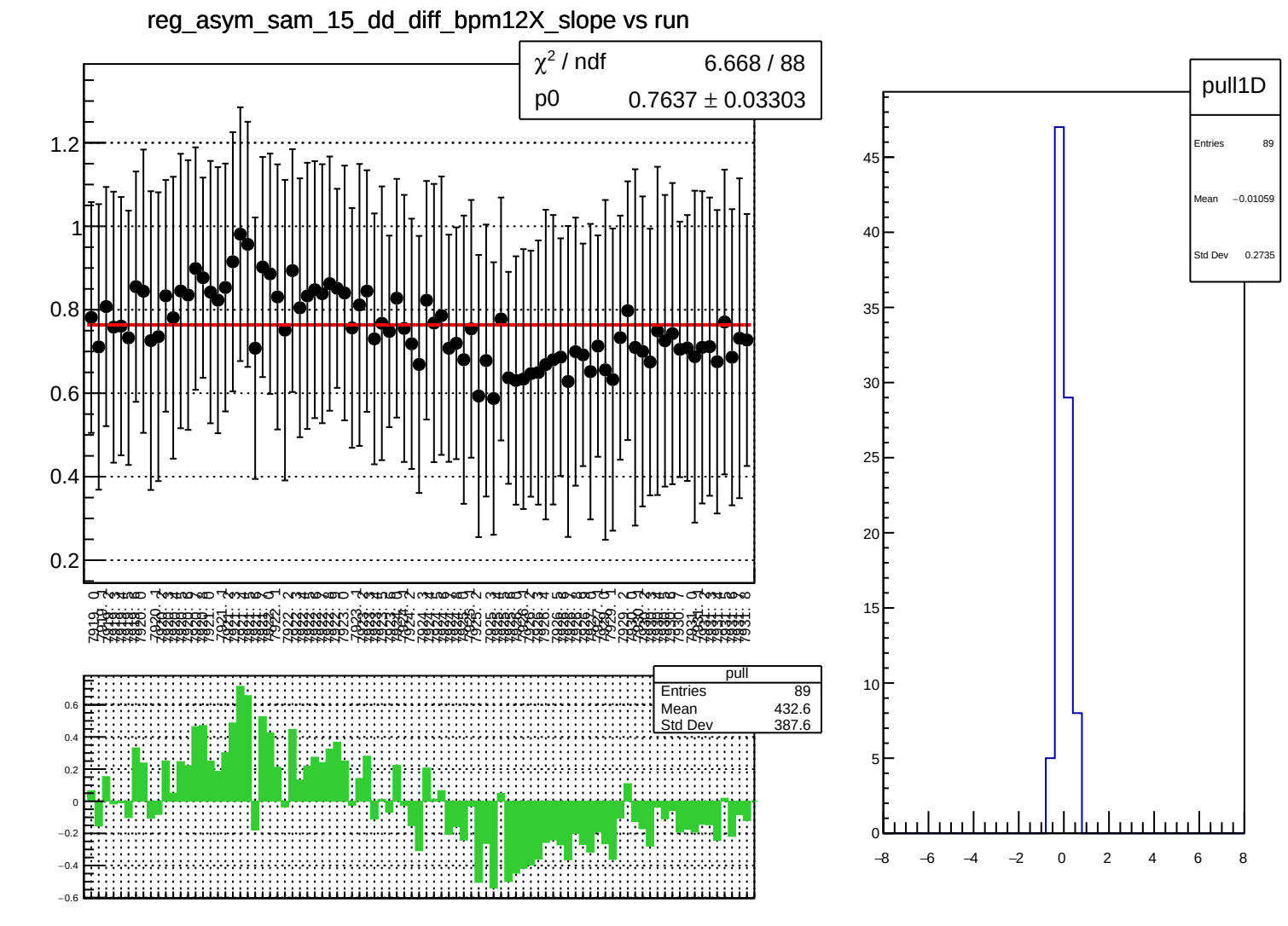

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.17 / 88
p0 −97.06 ± 0.9911
pull
Entries 89
Mean 347.3
Std Dev 298.4

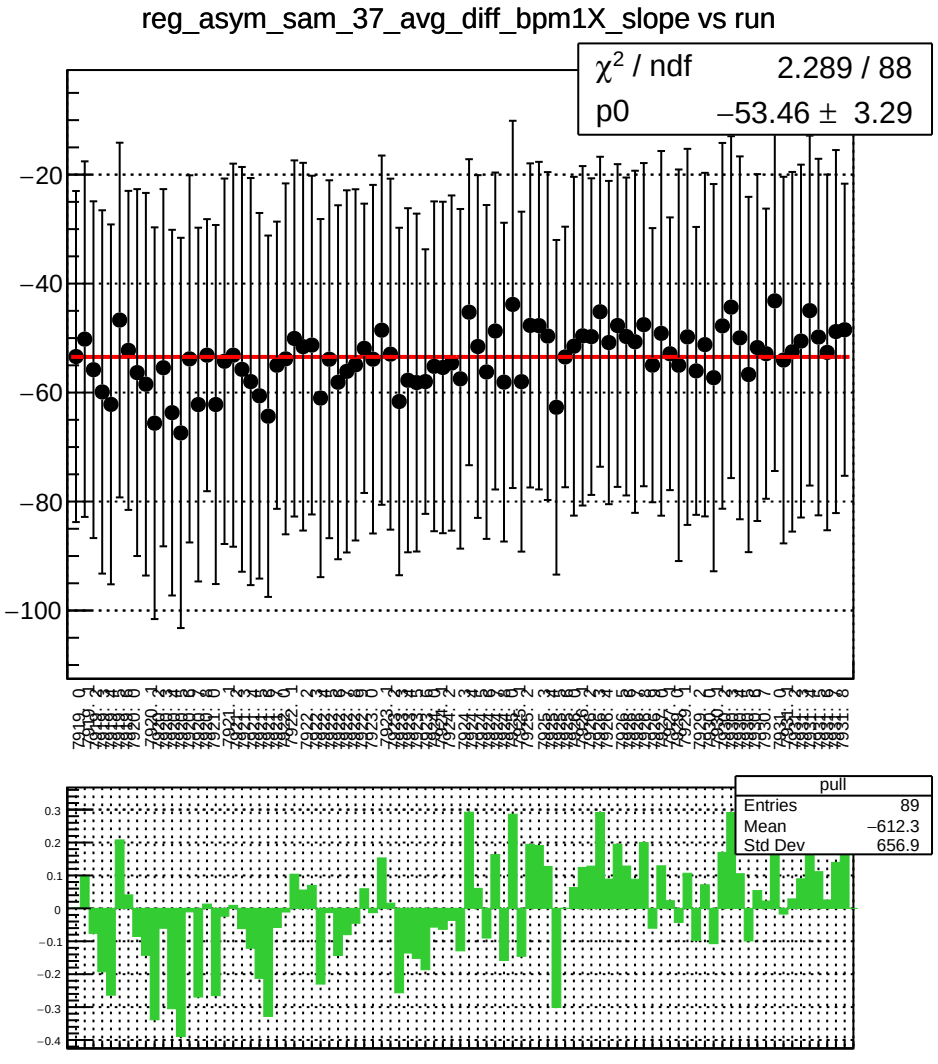

pull1D
Entries 89
Mean 0.01825
Std Dev 0.3538

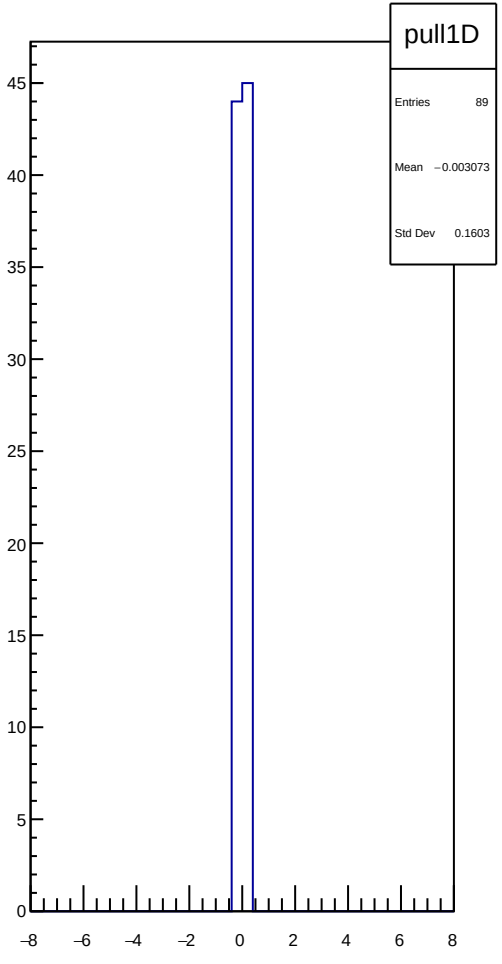

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.54 / 88
p0 −4.286 ± 0.8606
pull
Entries 89
Mean 164.3
Std Dev 62.92

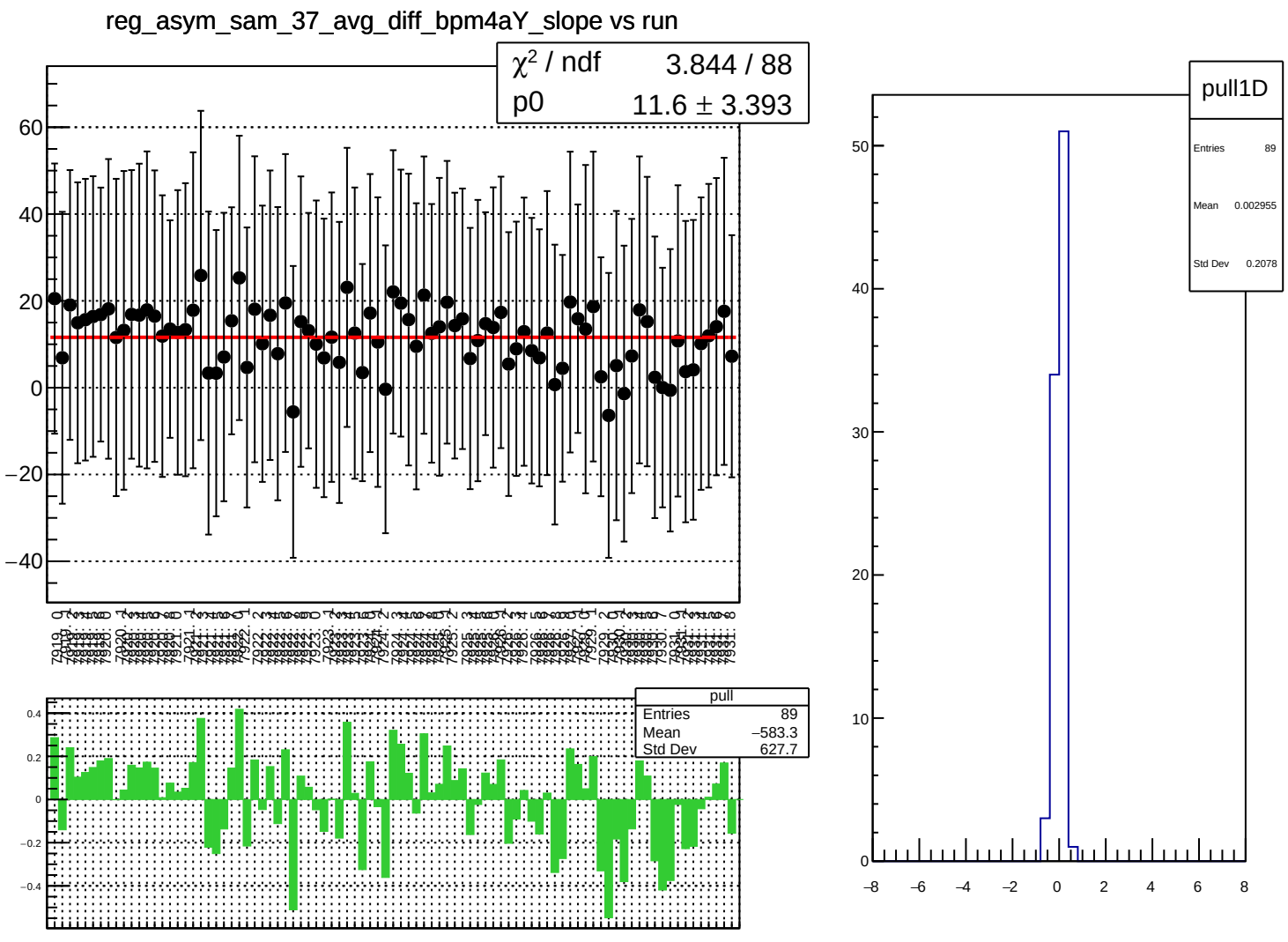

pull1D
Entries 89
Mean −0.004137
Std Dev 0.1689

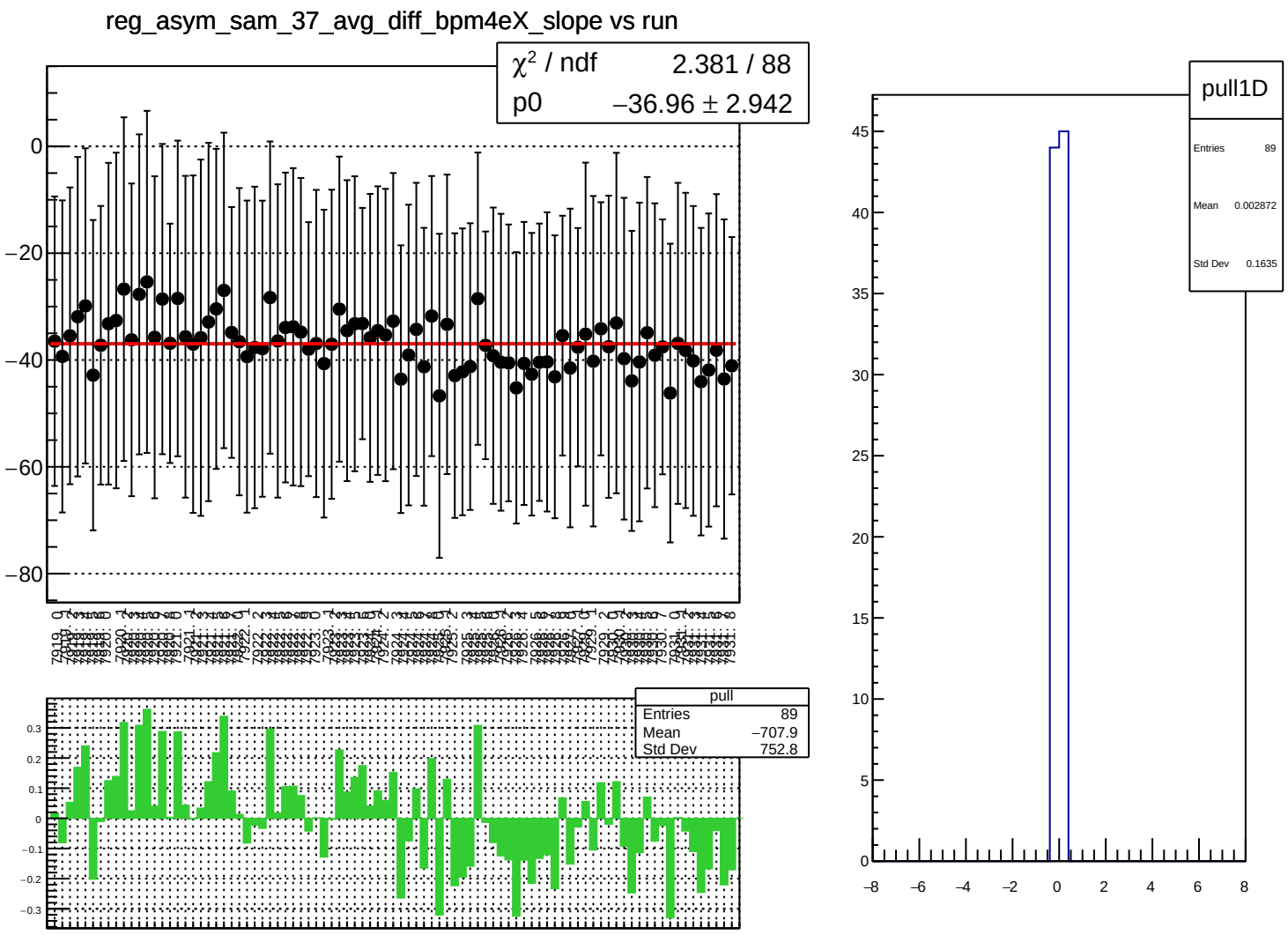

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.48 / 88
p0 4.863 ± 1.14
pull
Entries 89
Mean 344.8
Std Dev 296.3
pull1D
Entries 89
Mean −0.02145
Std Dev 0.3738

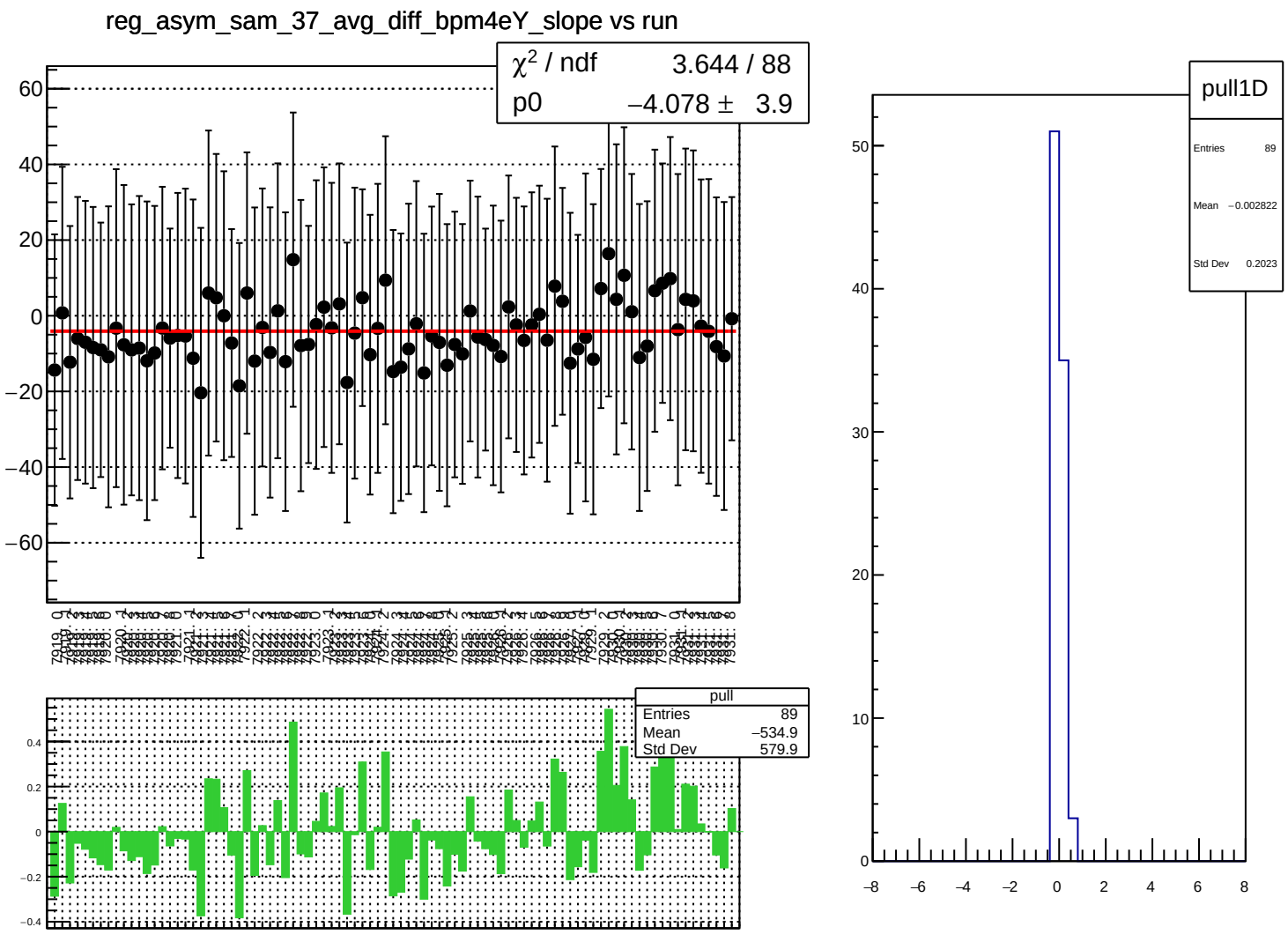

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 6.668 / 88
p0 0.7637 ± 0.03303
pull
Entries 89
Mean 432.6
Std Dev 387.6
pull1D
Entries 89
Mean −0.01059
Std Dev 0.2735

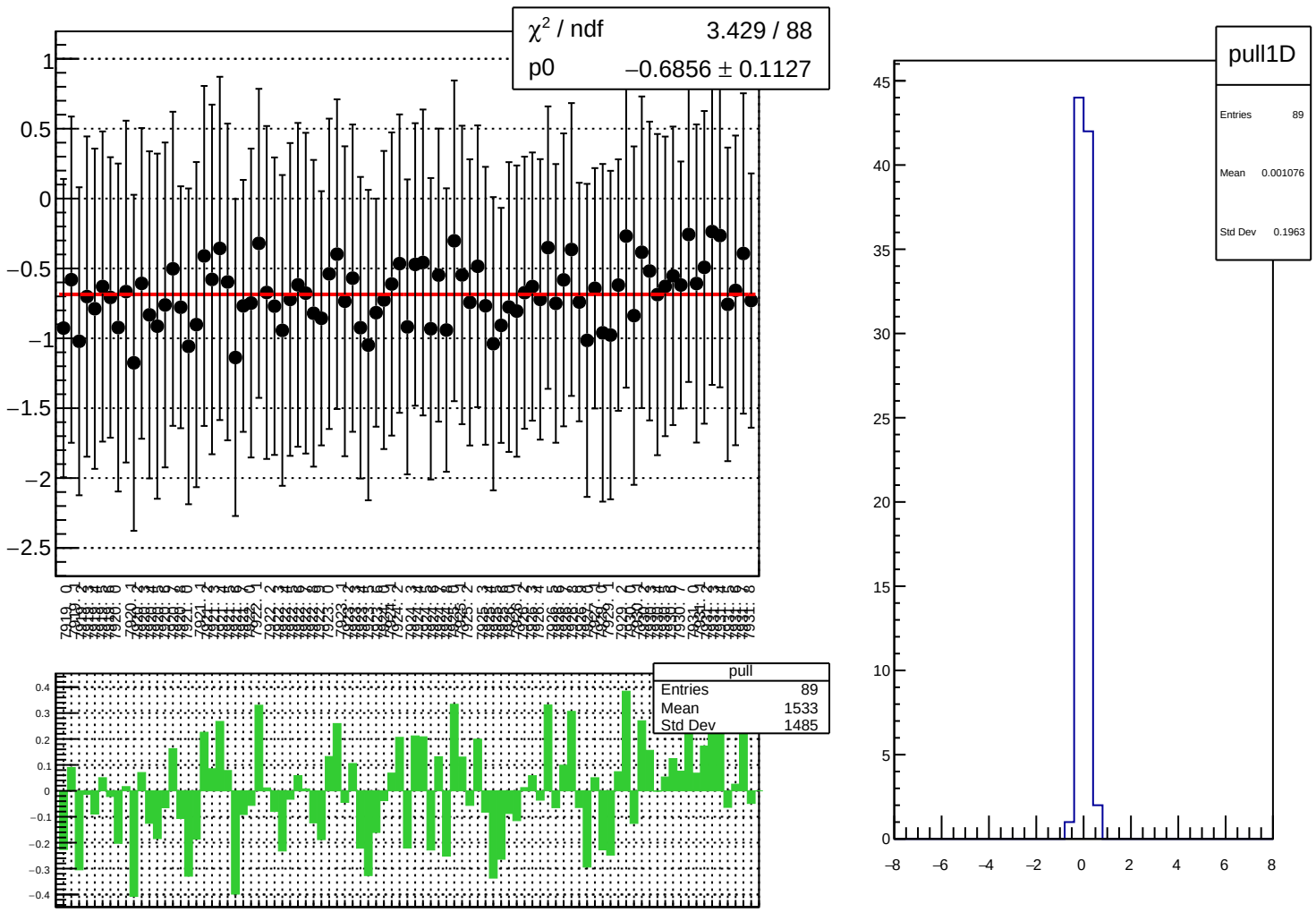

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 2.289 / 88
p0 −53.46 ± 3.29
pull
Entries 89
Mean −612.3
Std Dev 656.9

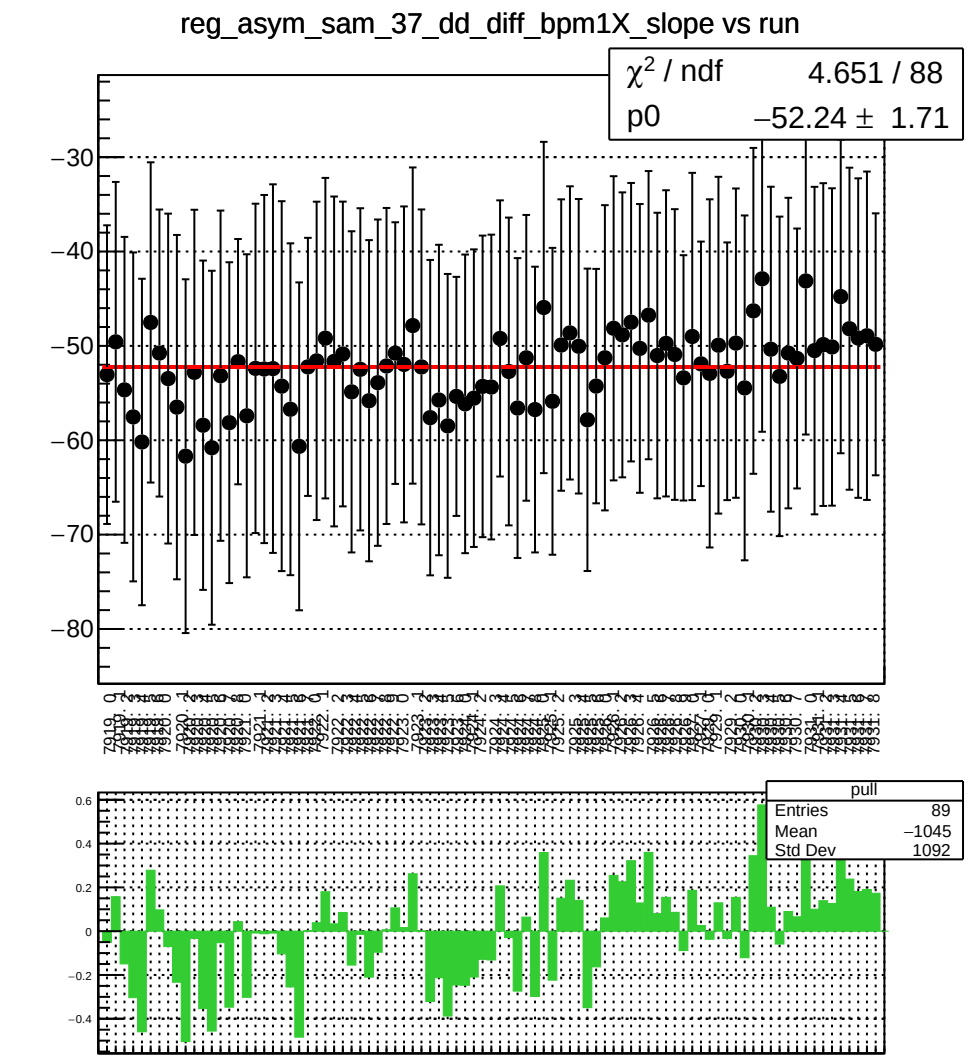

pull1D
Entries 89
Mean −0.003073
Std Dev 0.1603

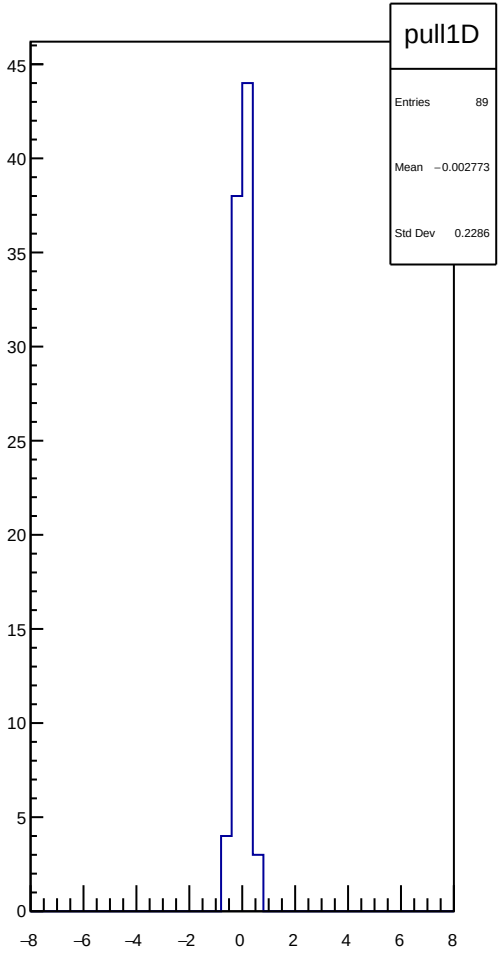

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.844 / 88
p0 11.6 ± 3.393
pull
Entries 89
Mean −583.3
Std Dev 627.7
pull1D
Entries 89
Mean 0.002955
Std Dev 0.2078

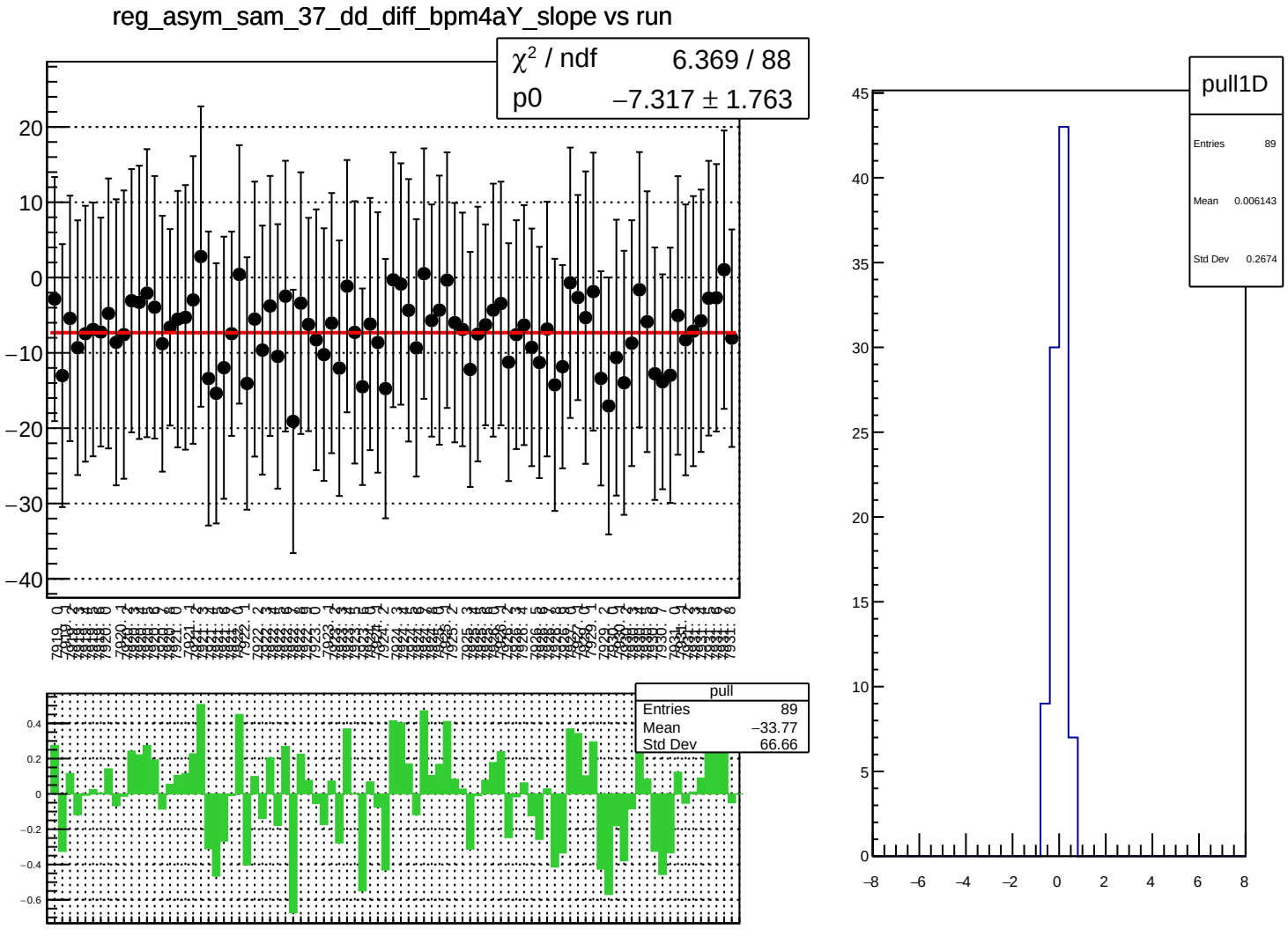

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.381 / 88
p0 −36.96 ± 2.942
pull
Entries 89
Mean −707.9
Std Dev 752.8
pull1D
Entries 89
Mean 0.002872
Std Dev 0.1635

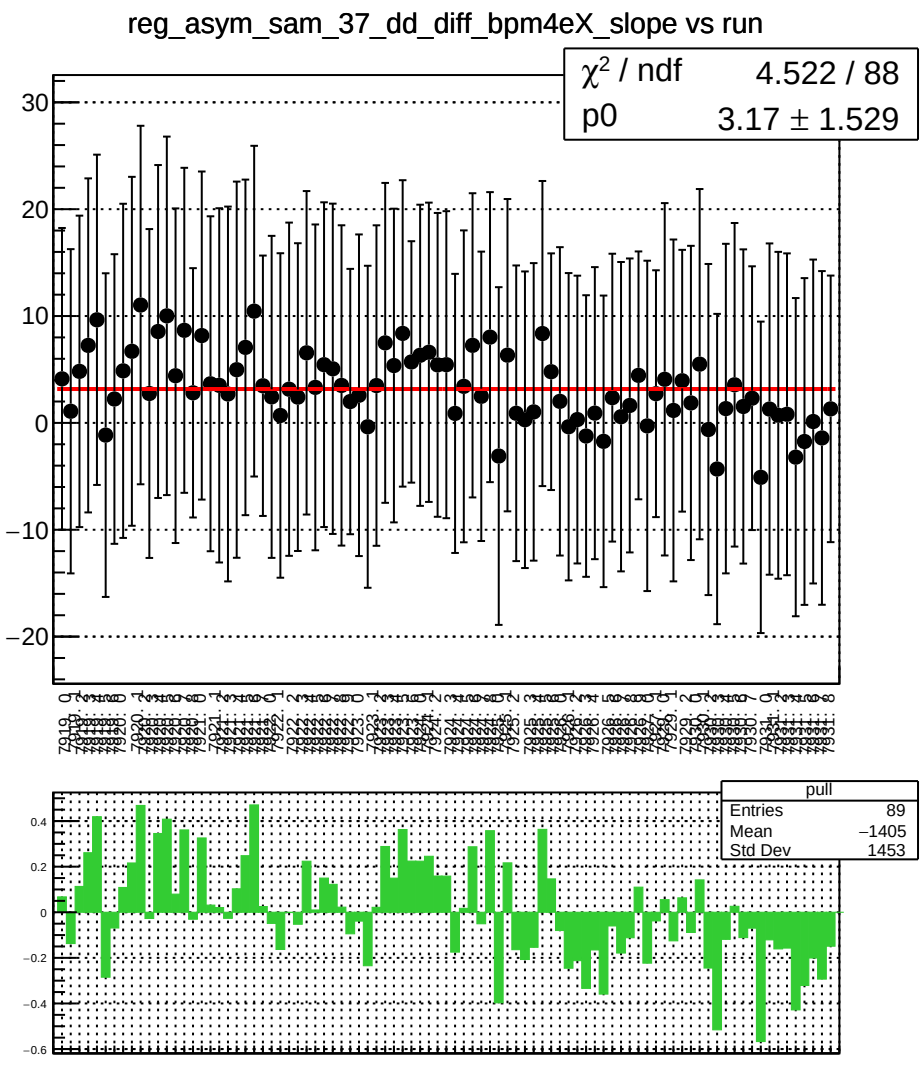

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.644 / 88
p0 −4.078 ± 3.9
pull
Entries 89
Mean −534.9
Std Dev 579.9
pull1D
Entries 89
Mean −0.002822
Std Dev 0.2023

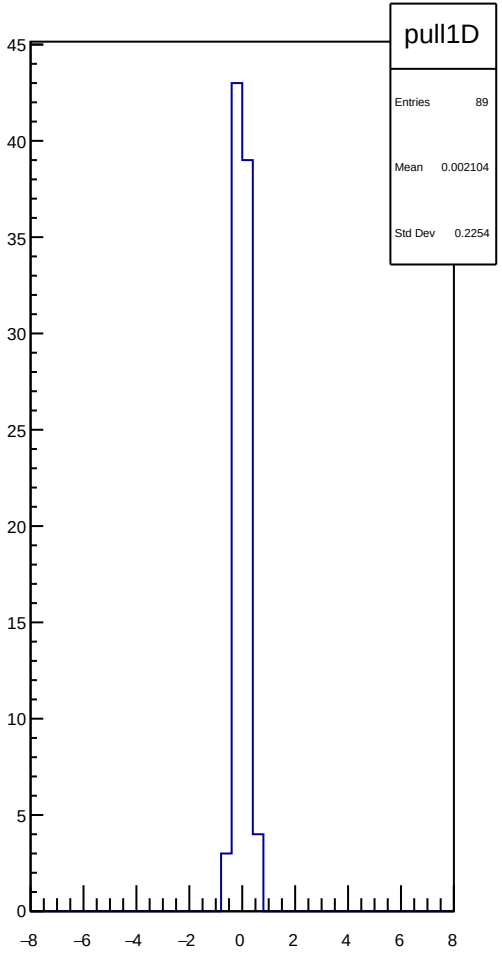

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.429 / 88
p0 −0.6856 ± 0.1127
pull
Entries 89
Mean 1533
Std Dev 1485
pull1D
Entries 89
Mean 0.001076
Std Dev 0.1963

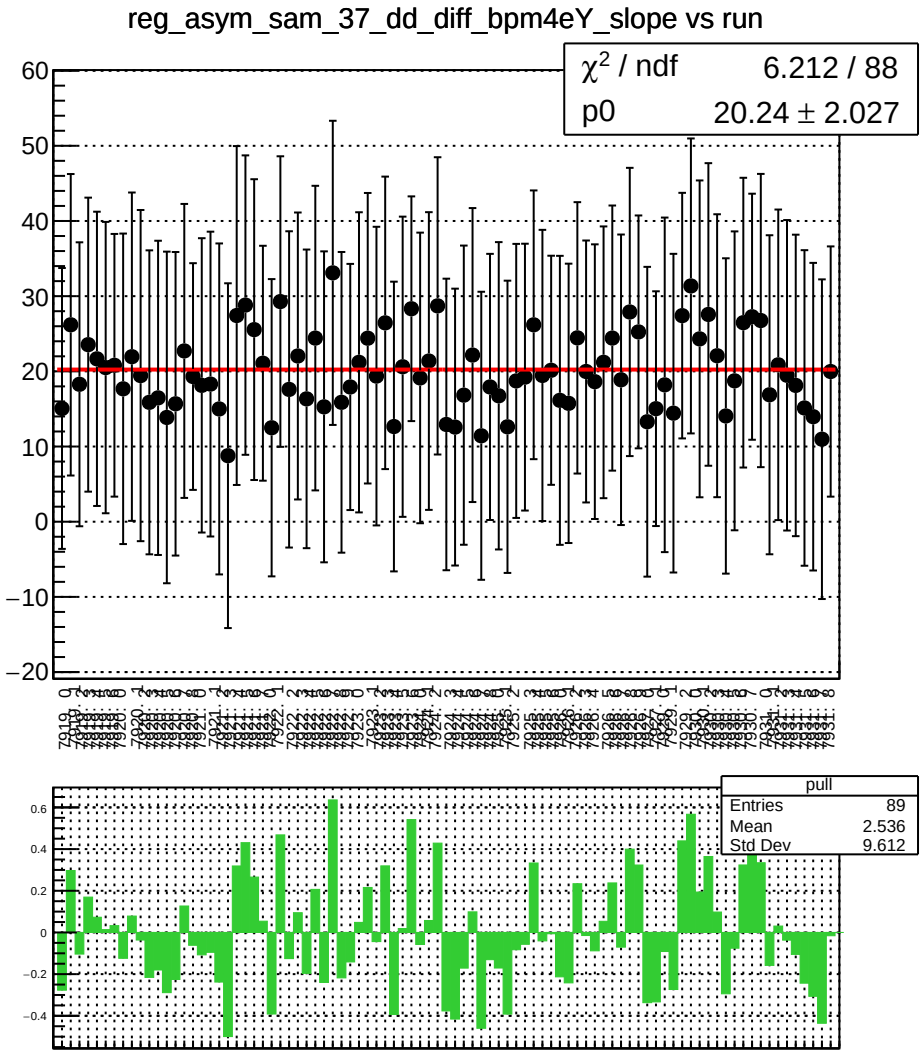

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.651 / 88
p0 −52.24 ± 1.71
pull
Entries 89
Mean −1045
Std Dev 1092

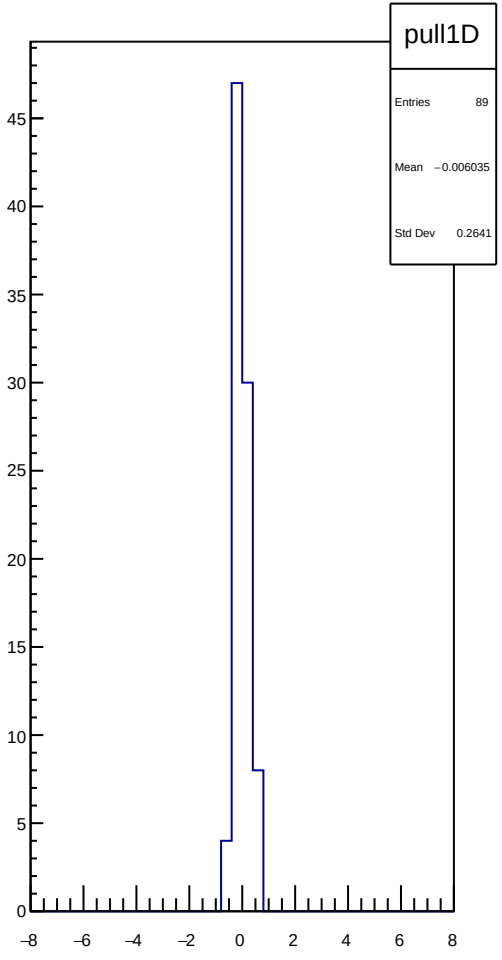

pull1D
Entries 89
Mean −0.002773
Std Dev 0.2286

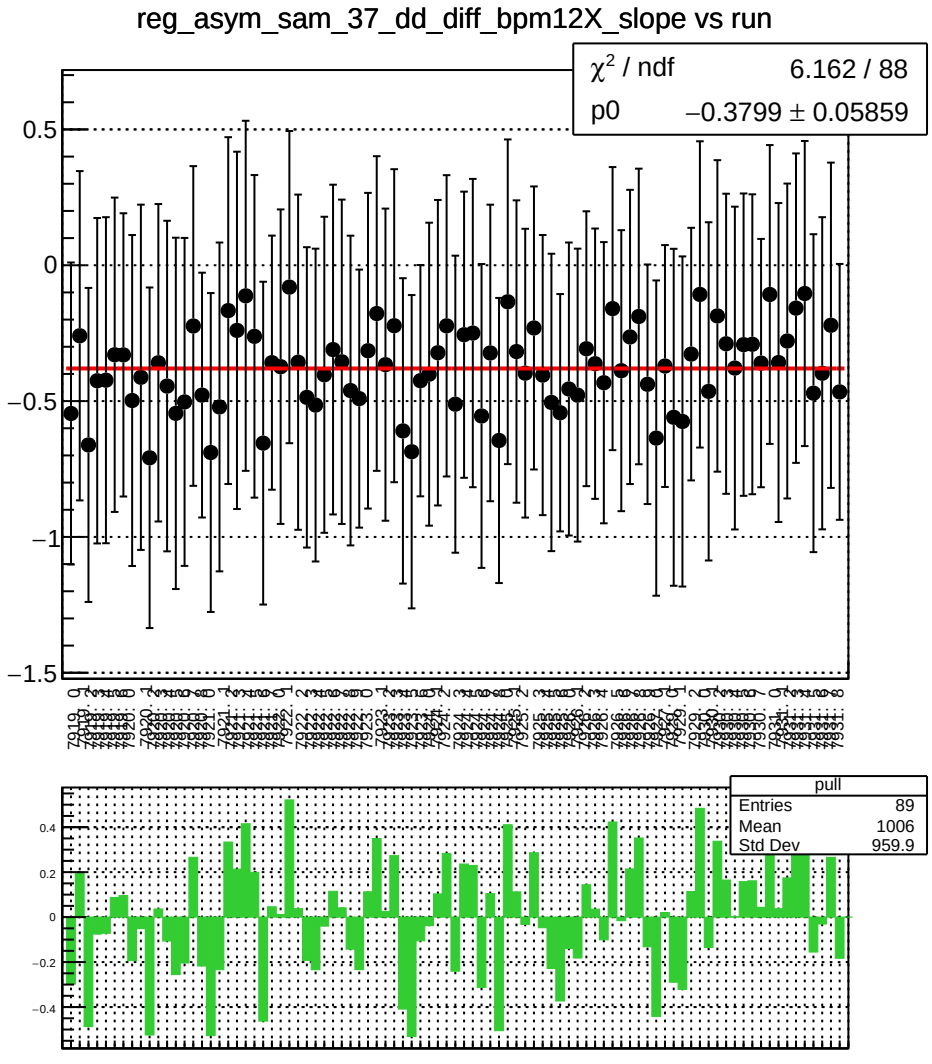

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.369 / 88
p0 −7.317 ± 1.763
pull
Entries 89
Mean −33.77
Std Dev 66.66
pull1D
Entries 89
Mean 0.006143
Std Dev 0.2674

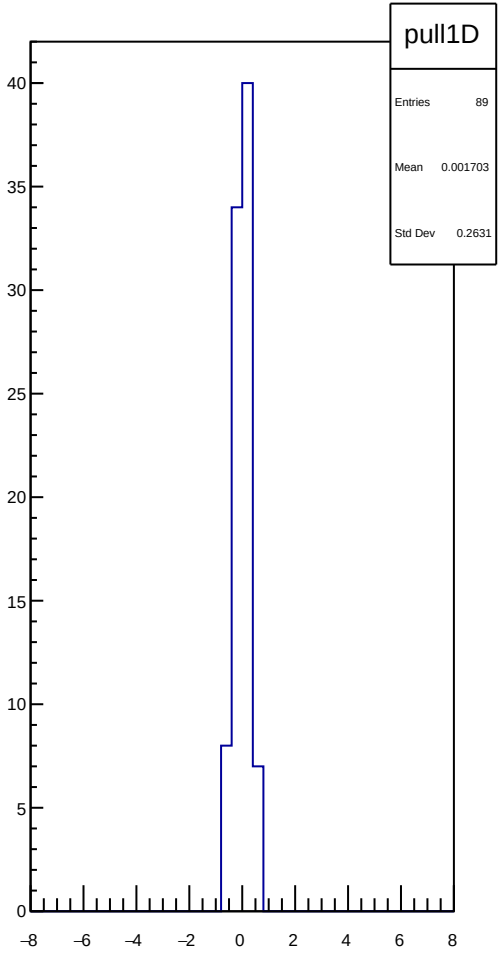

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.522 / 88
p0 3.17 ± 1.529
pull
Entries 89
Mean −1405
Std Dev 1453

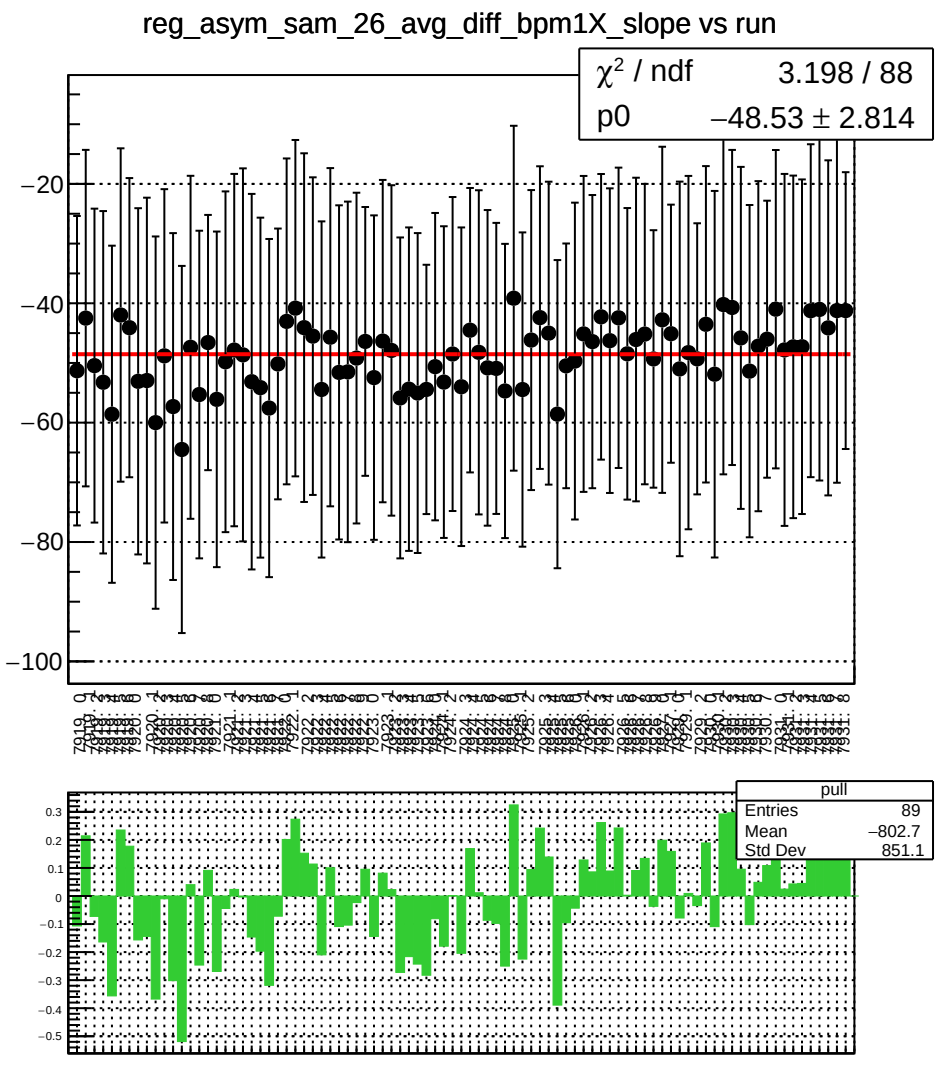

pull1D
Entries 89
Mean 0.002104
Std Dev 0.2254

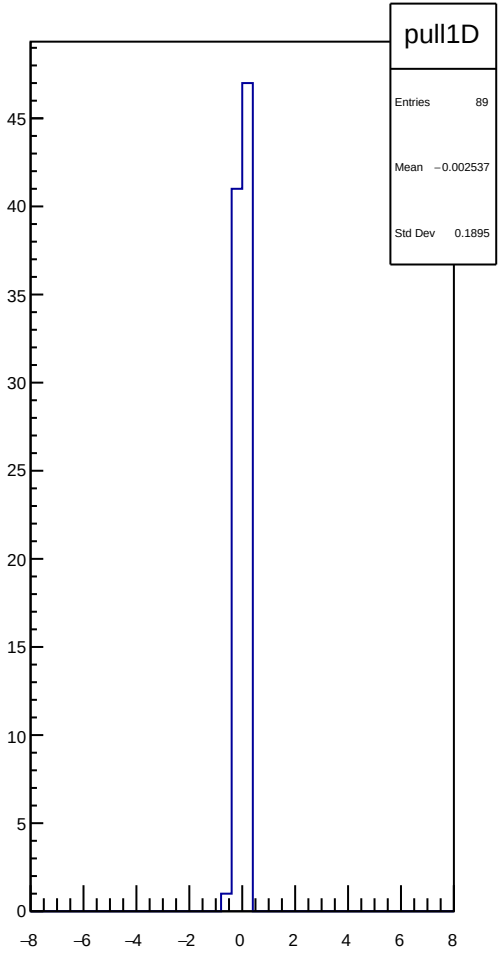

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.212 / 88
p0 20.24 ± 2.027
pull
Entries 89
Mean 2.536
Std Dev 9.612

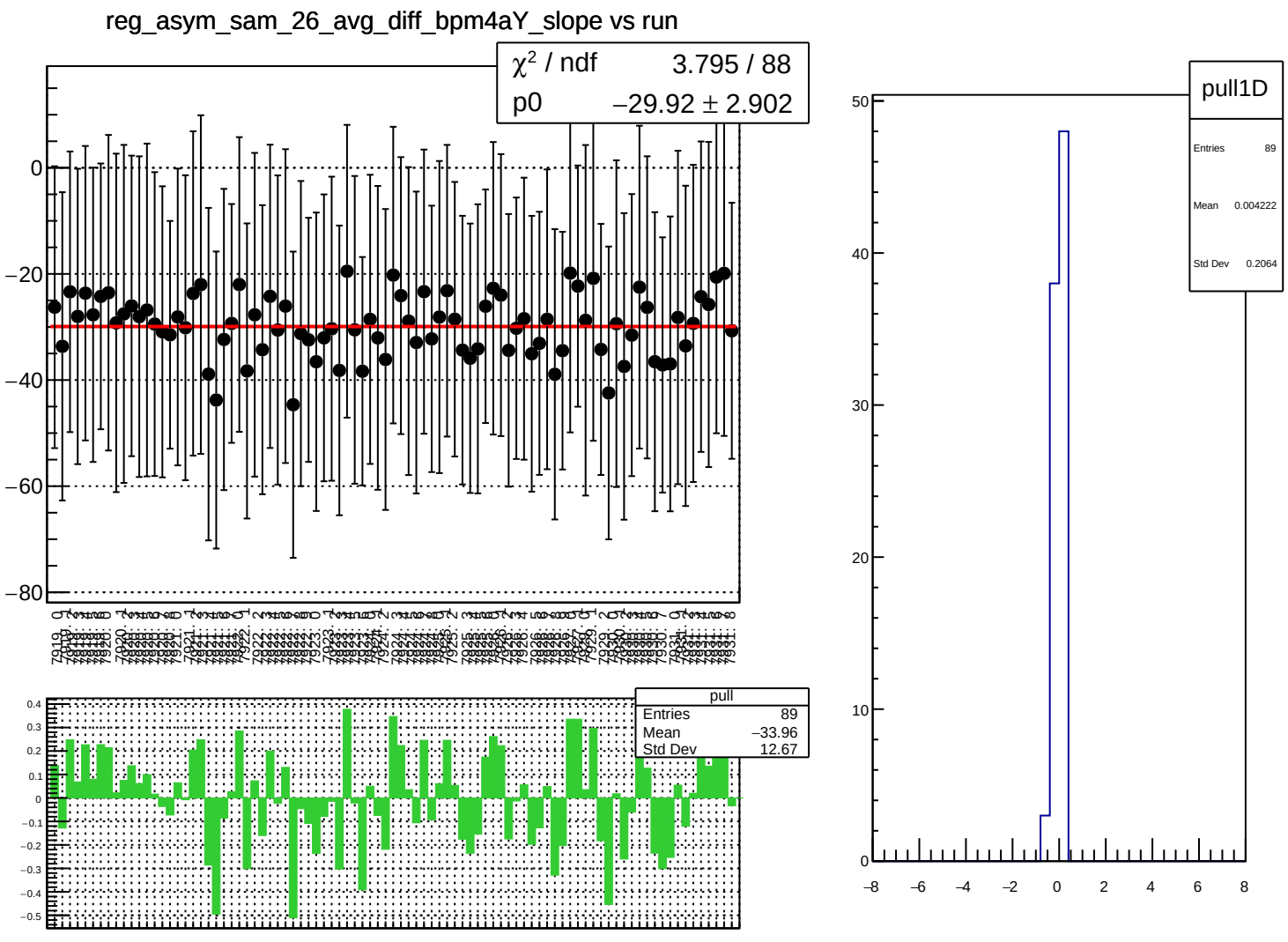

pull1D
Entries 89
Mean −0.006035
Std Dev 0.2641

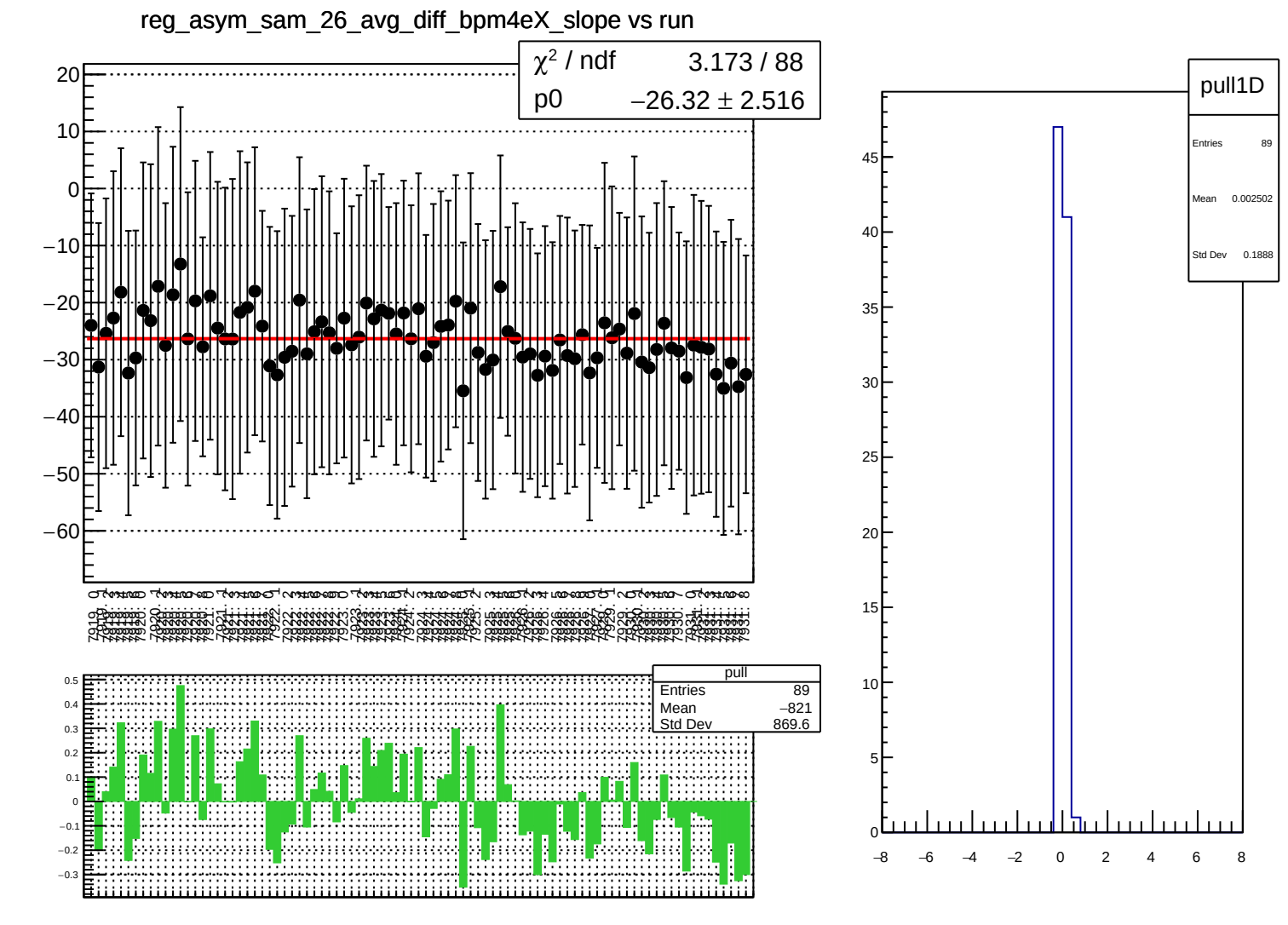

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.162 / 88
p0 −0.3799 ± 0.05859
pull
Entries 89
Mean 1006
Std Dev 959.9

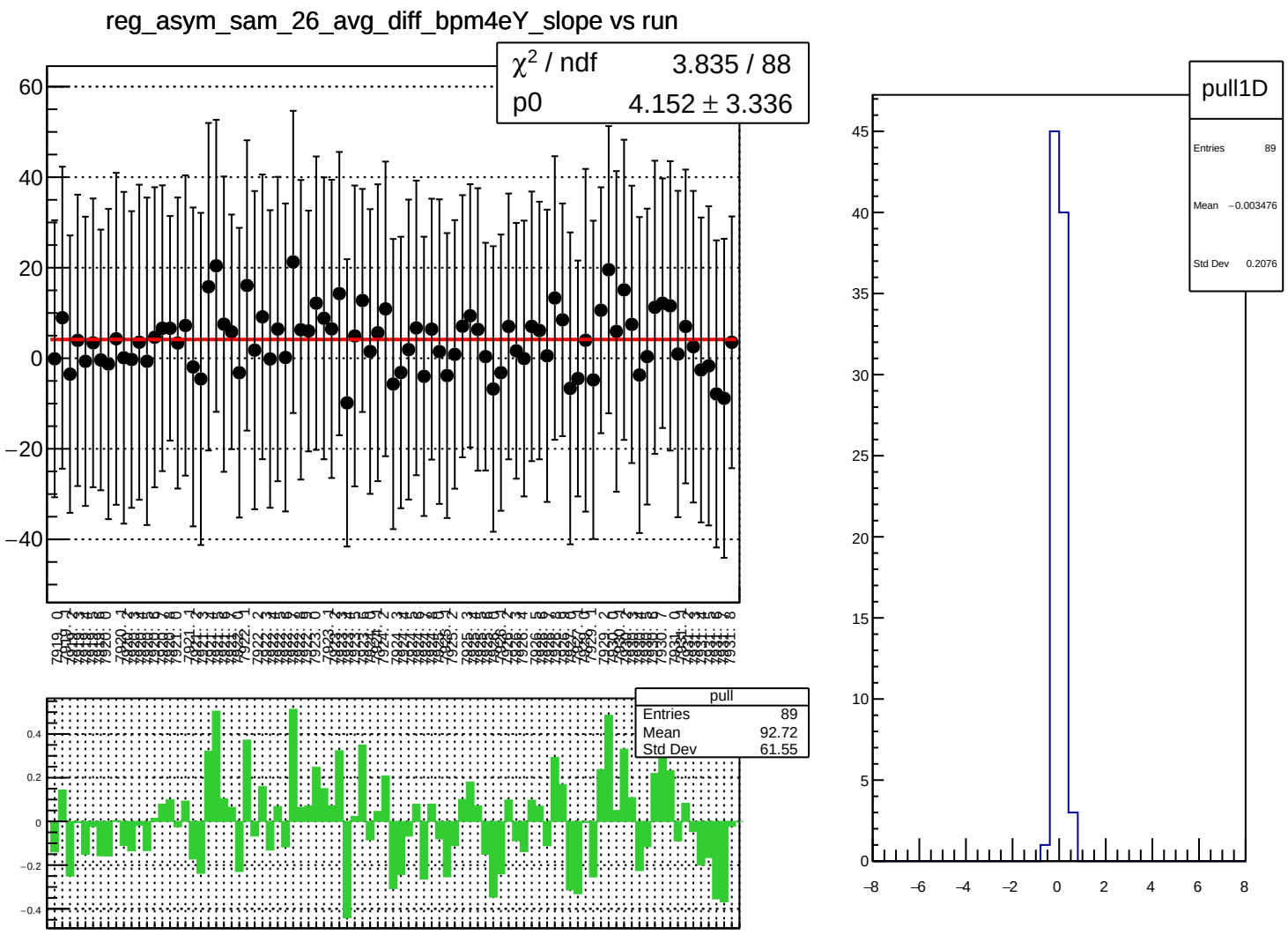

pull1D
Entries 89
Mean 0.001703
Std Dev 0.2631

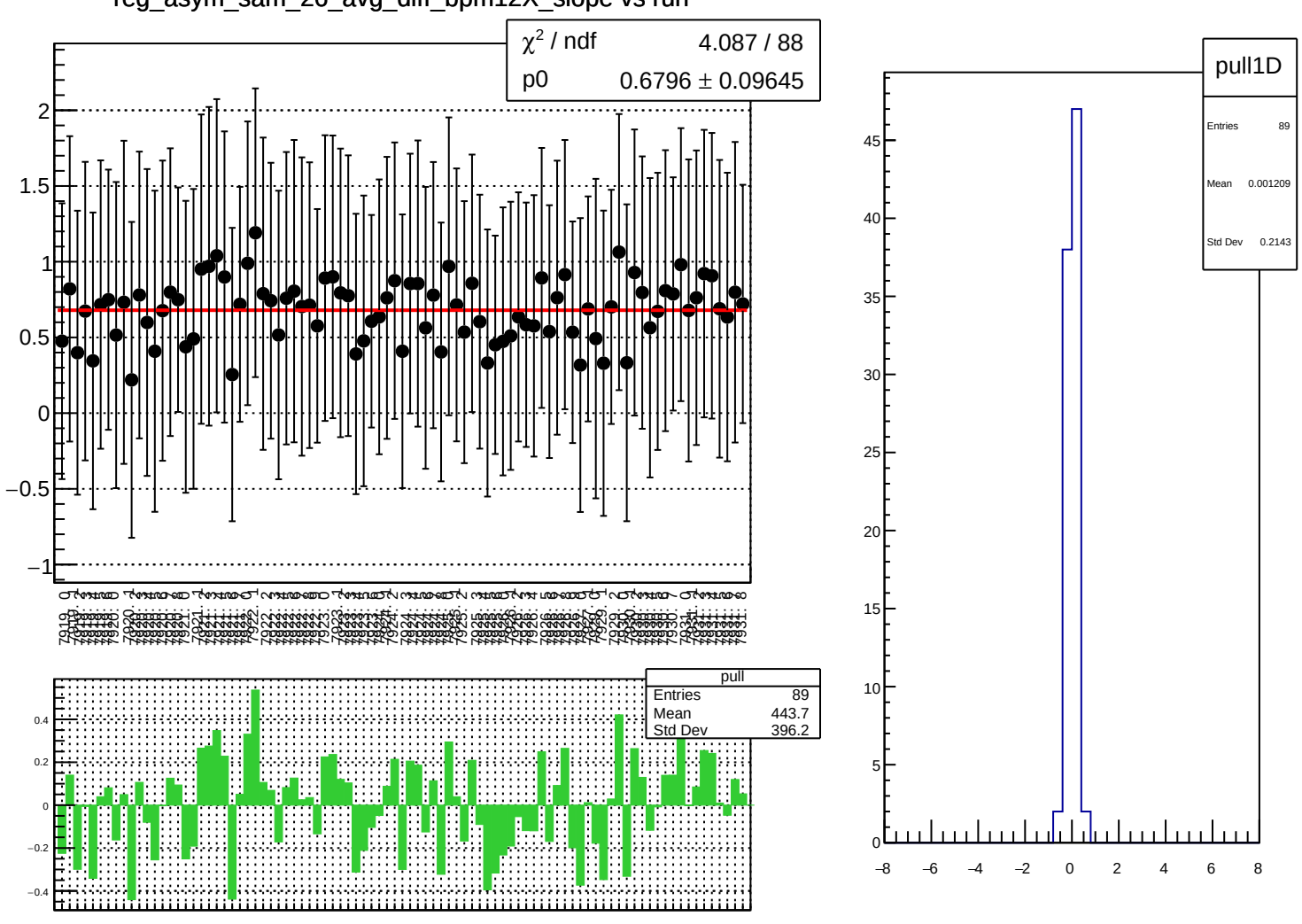

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 3.198 / 88
p0 −48.53 ± 2.814
pull
Entries 89
Mean −802.7
Std Dev 851.1

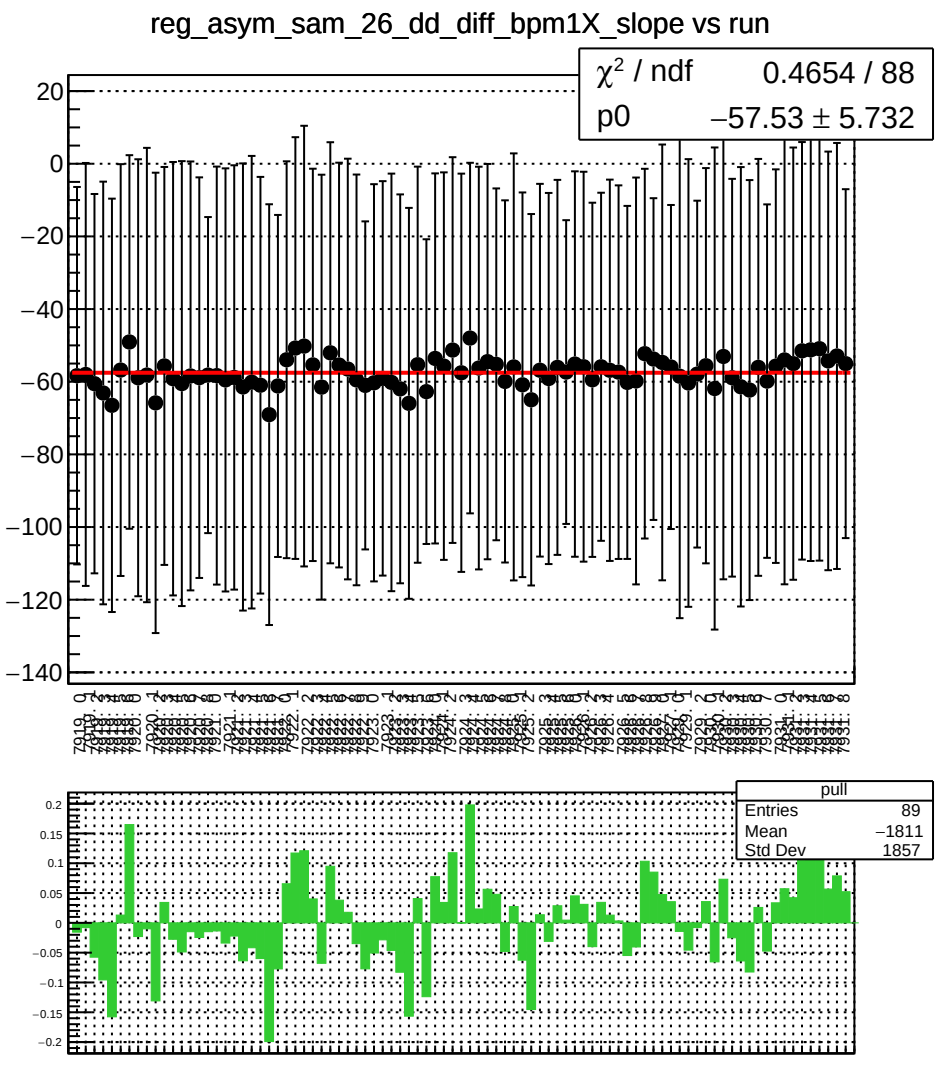

pull1D
Entries 89
Mean −0.002537
Std Dev 0.1895

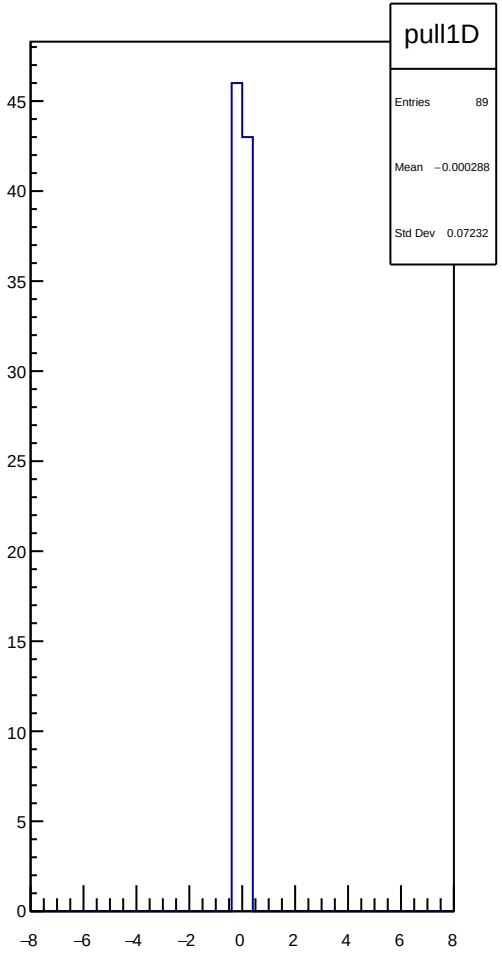

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.795 / 88
p0 −29.92 ± 2.902
pull
Entries 89
Mean −33.96
Std Dev 12.67
pull1D
Entries 89
Mean 0.004222
Std Dev 0.2064

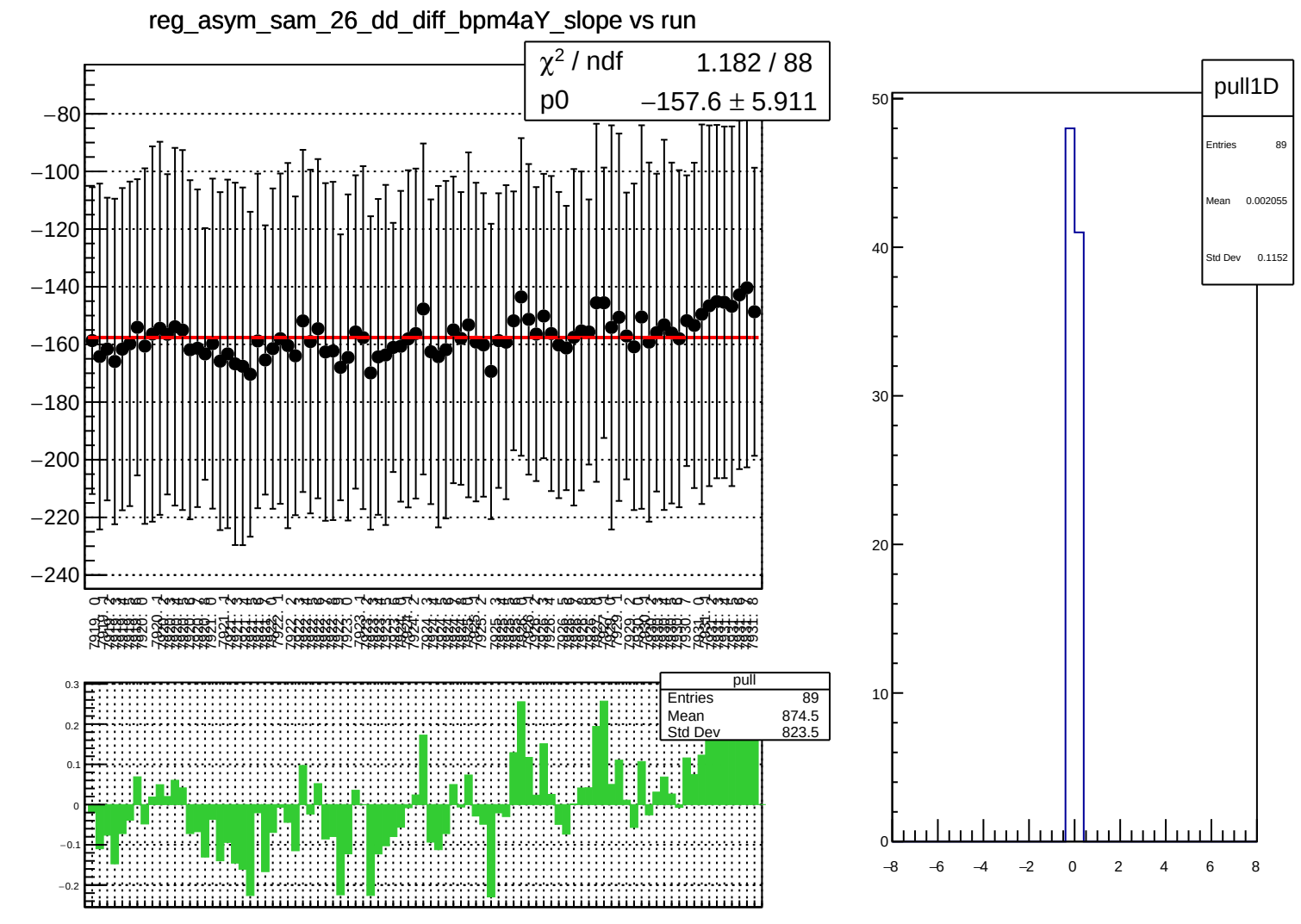

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.173 / 88
p0 −26.32 ± 2.516
pull
Entries 89
Mean −821
Std Dev 869.6
pull1D
Entries 89
Mean 0.002502
Std Dev 0.1888

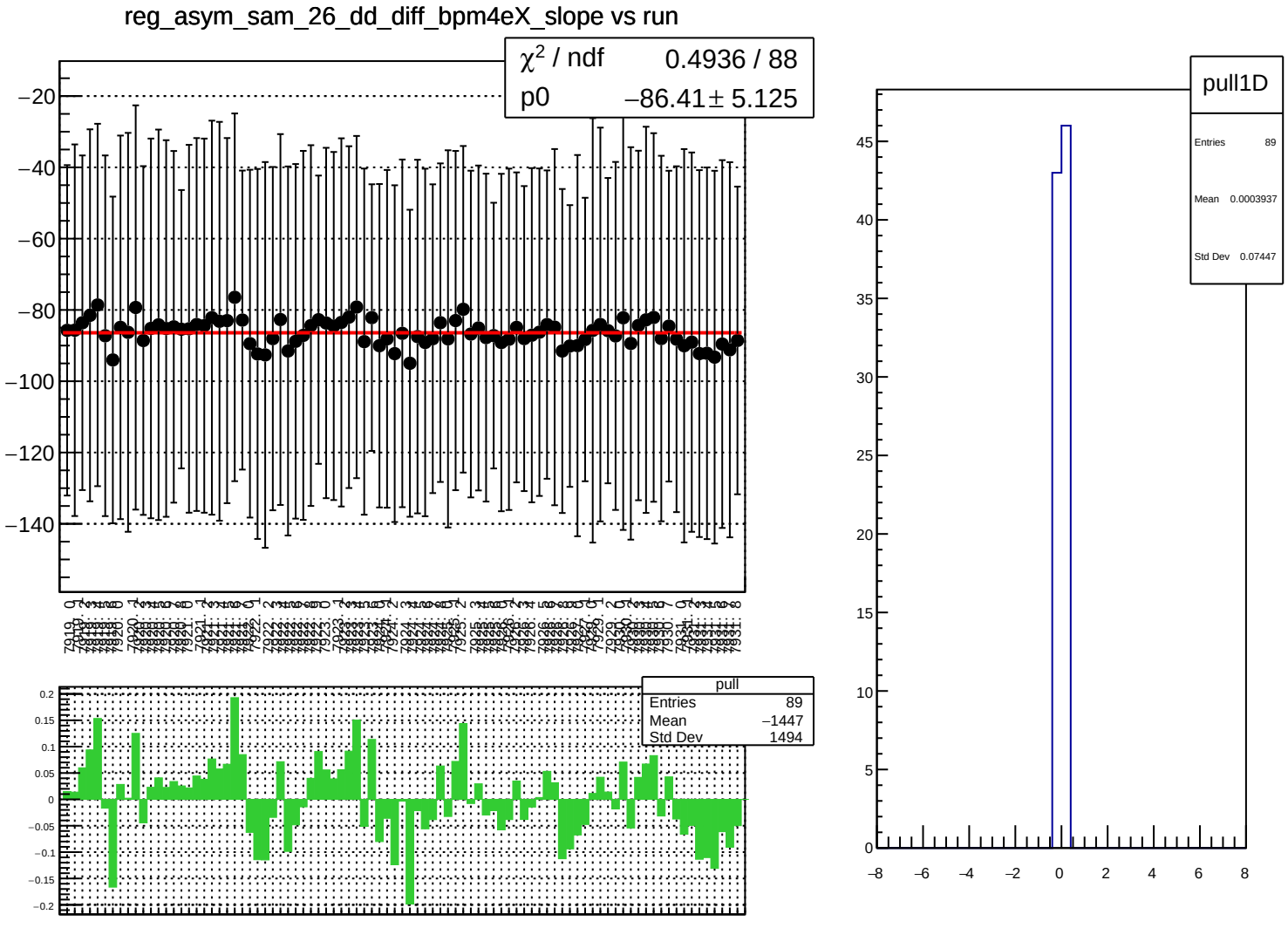

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.835 / 88
p0 4.152 ± 3.336
pull
Entries 89
Mean 92.72
Std Dev 61.55
pull1D
Entries 89
Mean −0.003476
Std Dev 0.2076

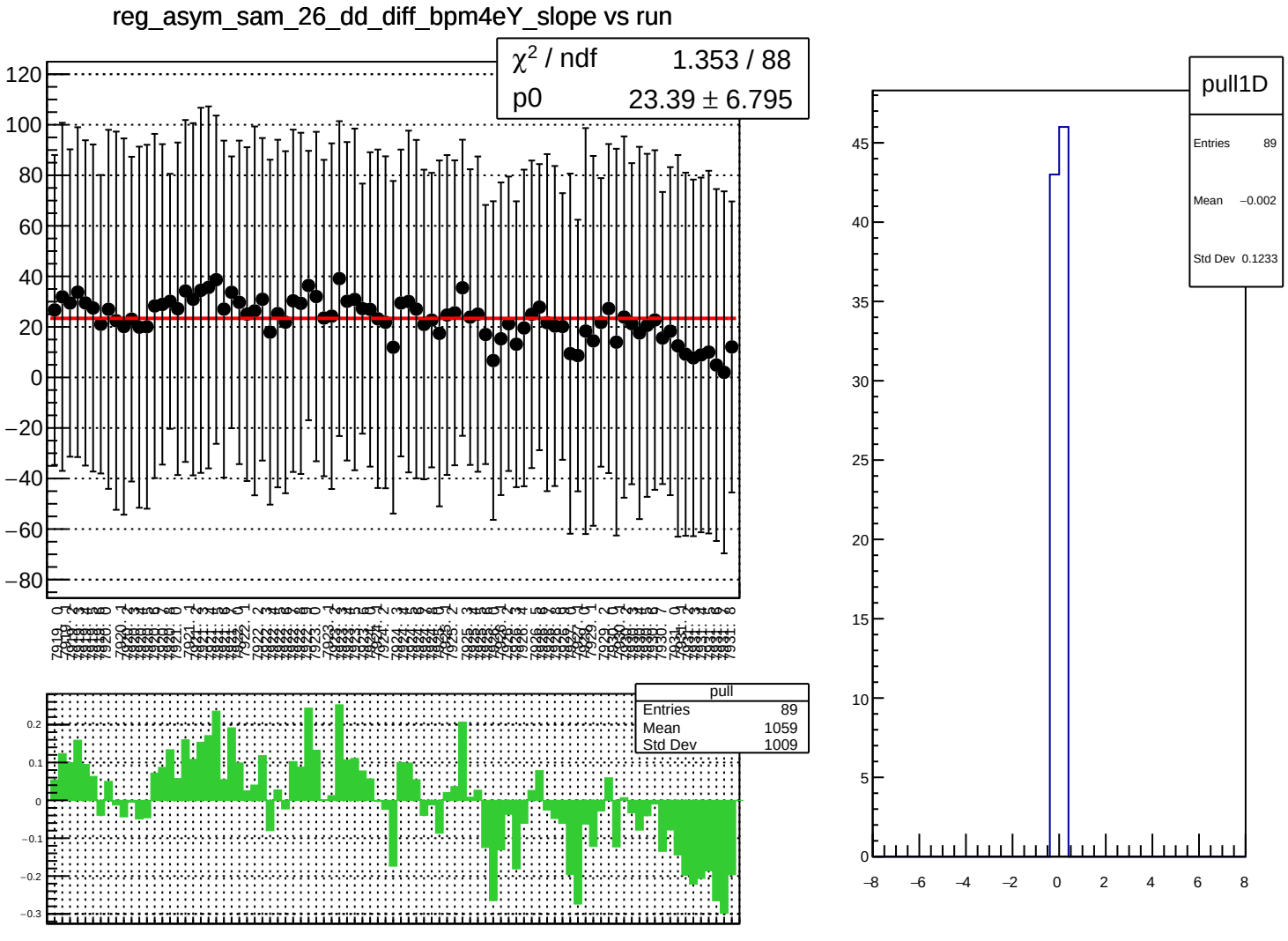

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.087 / 88
p0 0.6796 ± 0.09645
pull
Entries 89
Mean 443.7
Std Dev 396.2
pull1D
Entries 89
Mean 0.001209
Std Dev 0.2143

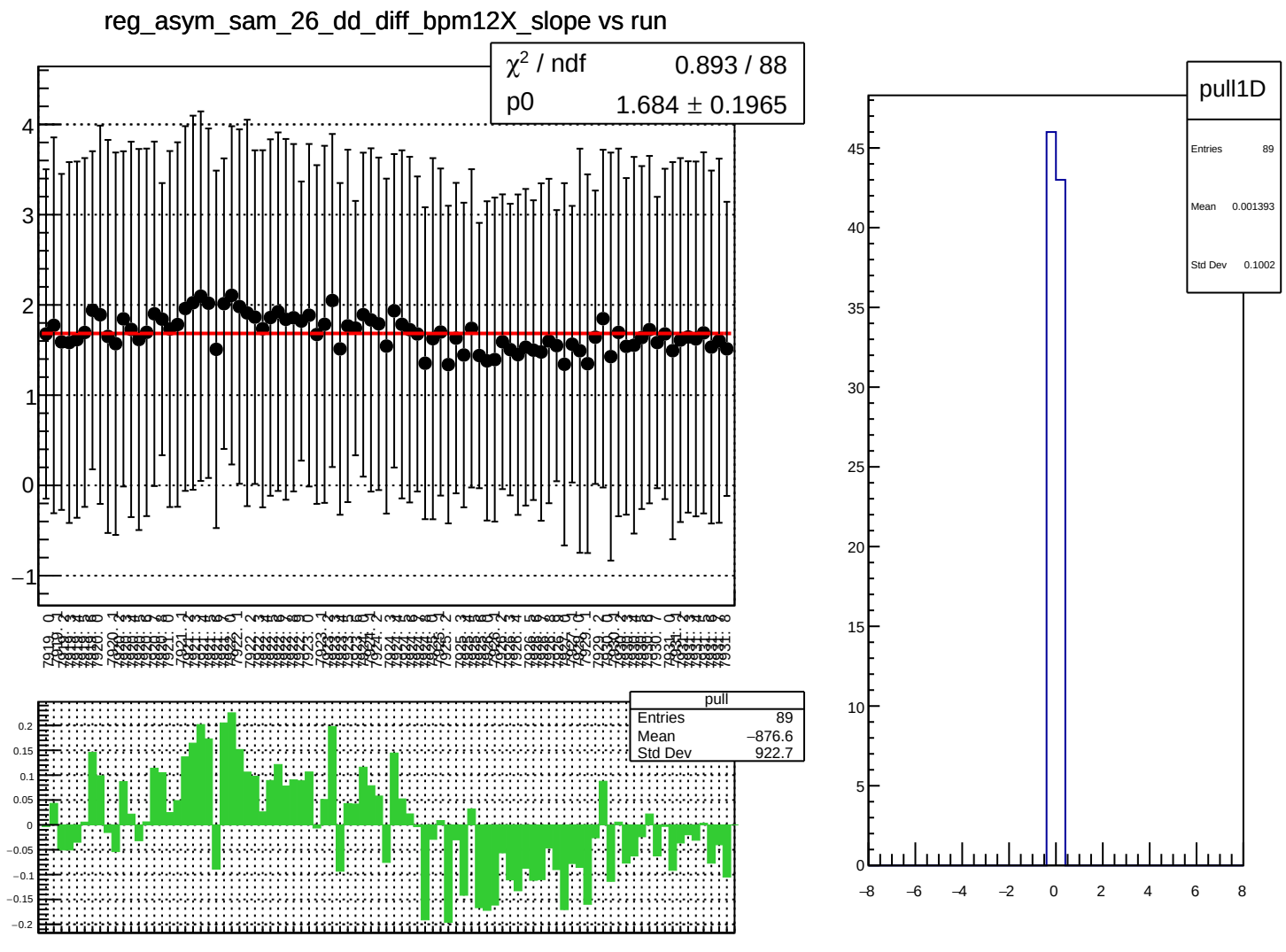

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.4654 / 88
p0 −57.53 ± 5.732
pull
Entries 89
Mean −1811
Std Dev 1857

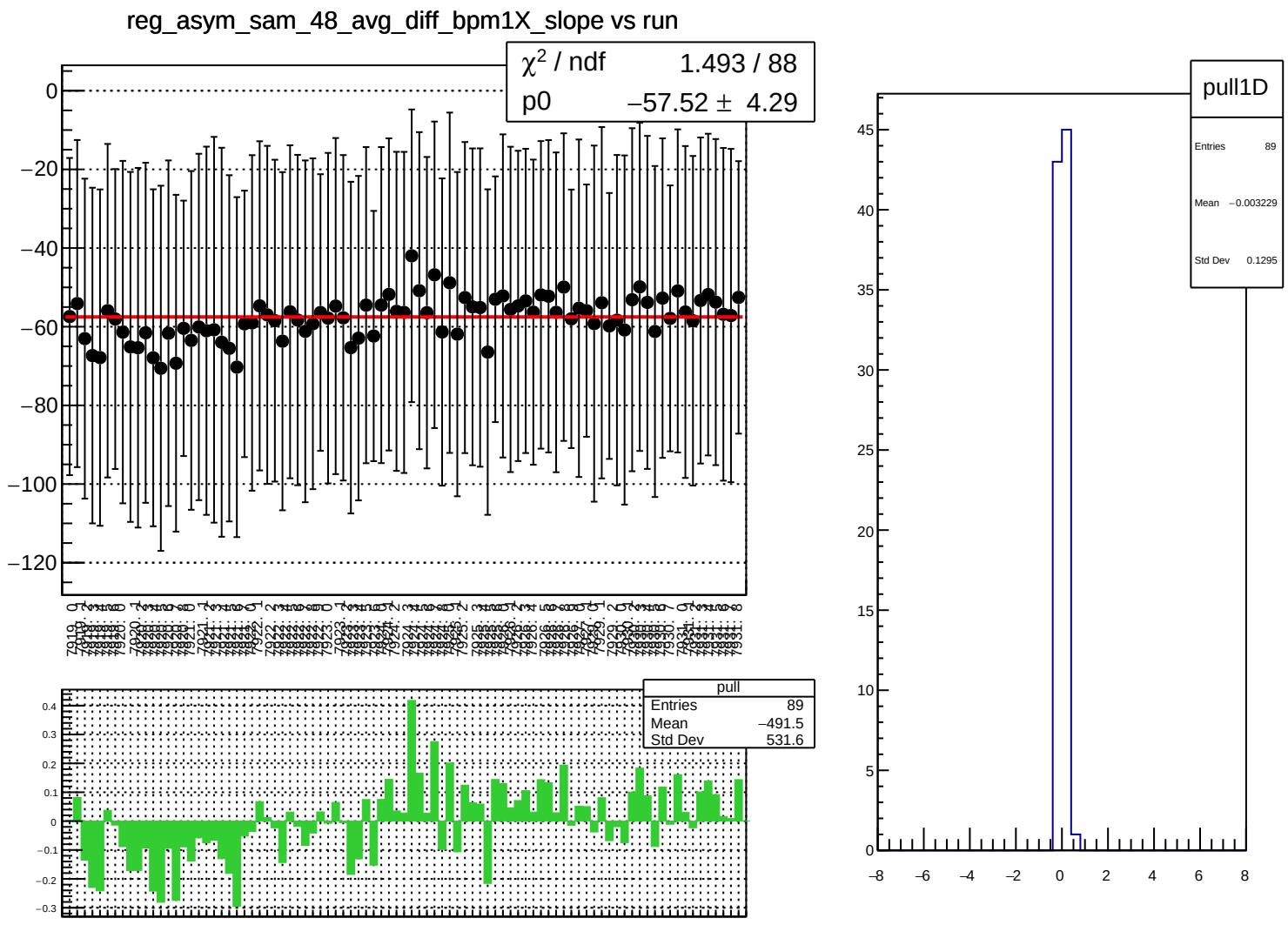

pull1D
Entries 89
Mean −0.000288
Std Dev 0.07232

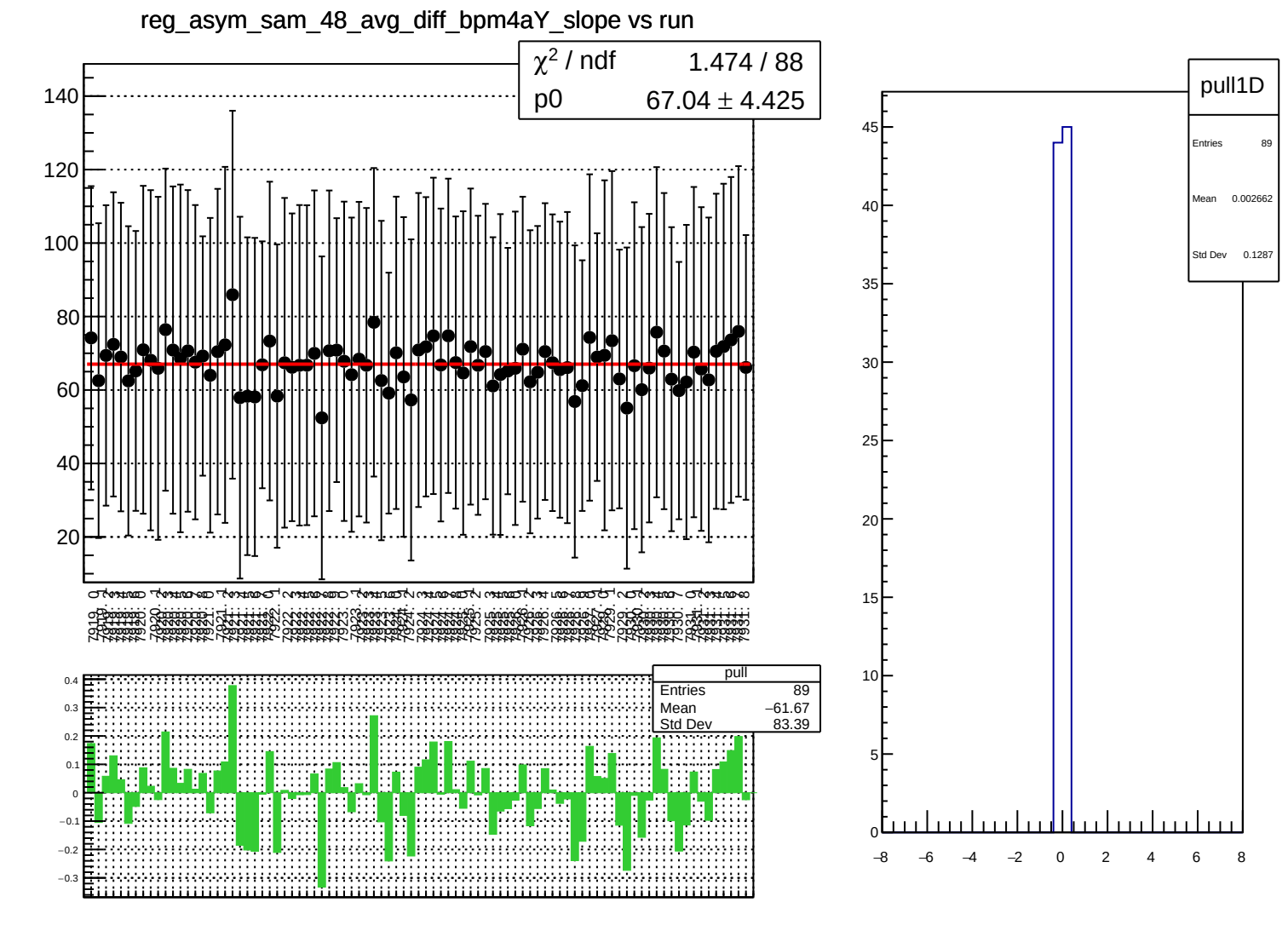

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.182 / 88
p0 −157.6 ± 5.911
pull
Entries 89
Mean 874.5
Std Dev 823.5
pull1D
Entries 89
Mean 0.002055
Std Dev 0.1152

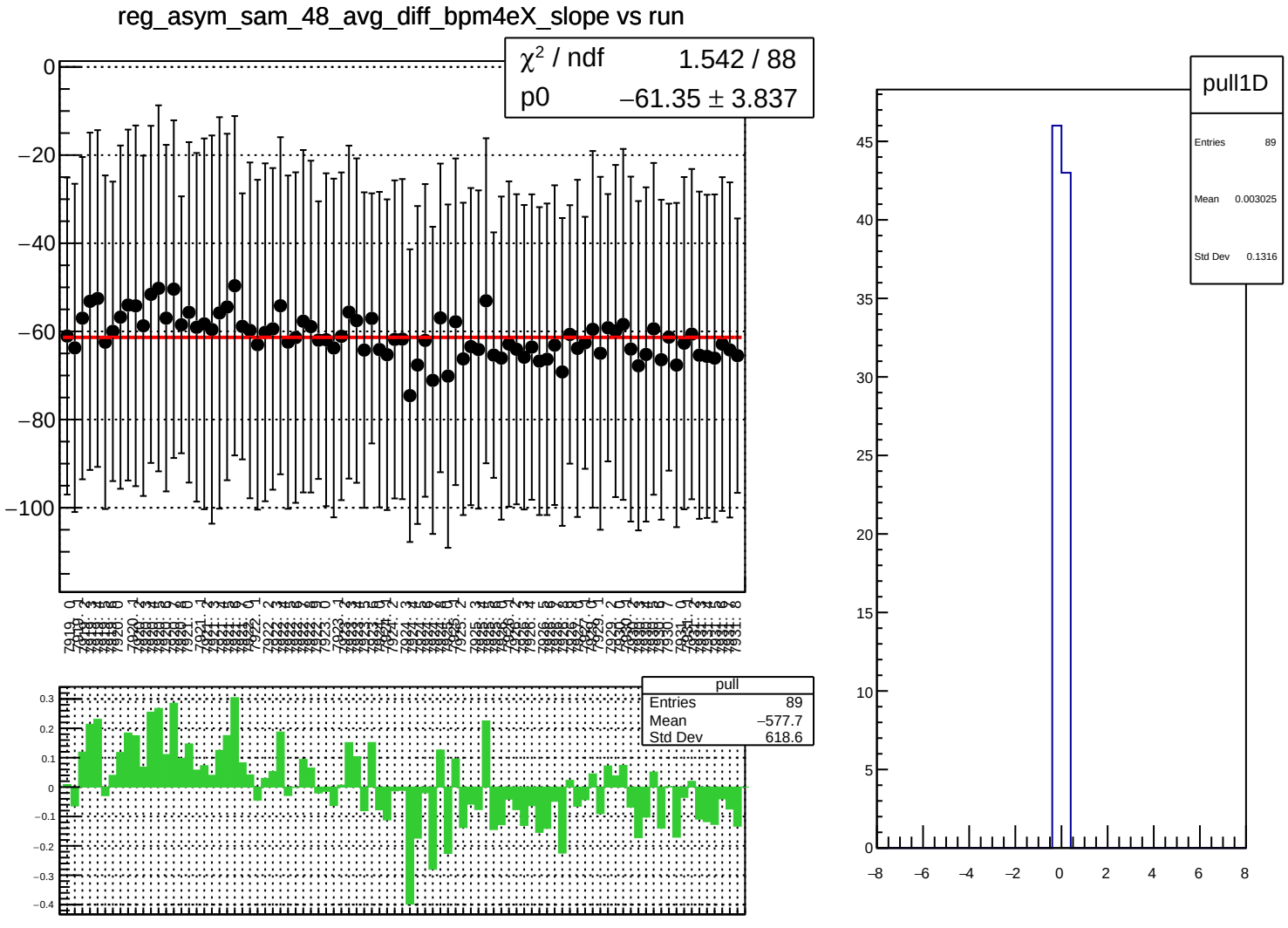

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4936 / 88
p0 −86.41 ± 5.125
pull
Entries 89
Mean −1447
Std Dev 1494
pull1D
Entries 89
Mean 0.0003937
Std Dev 0.07447

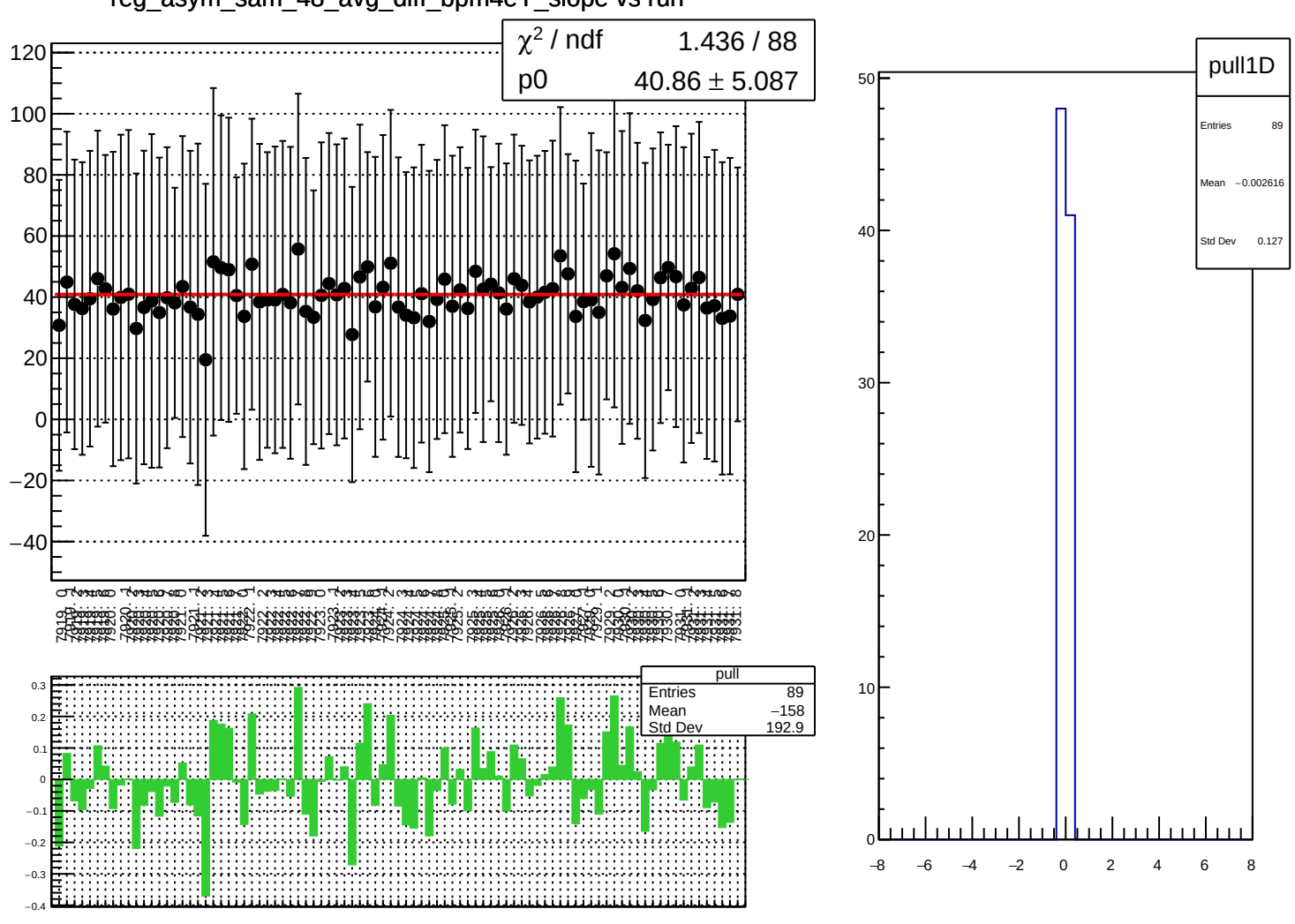

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.353 / 88
p0 23.39 ± 6.795
pull
Entries 89
Mean 1059
Std Dev 1009
pull1D
Entries 89
Mean −0.002
Std Dev 0.1233

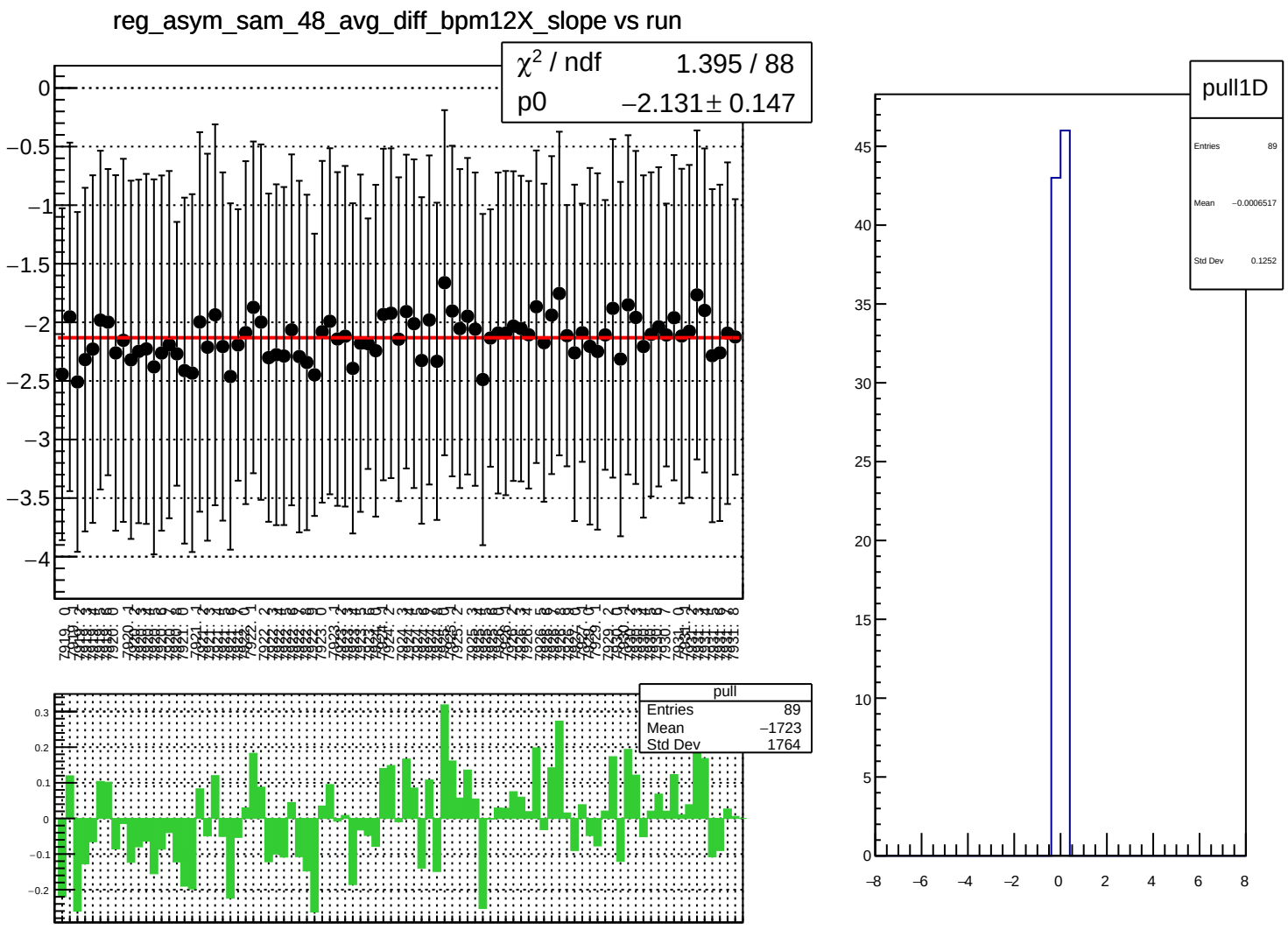

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.893 / 88
p0 1.684 ± 0.1965
pull
Entries 89
Mean −876.6
Std Dev 922.7
pull1D
Entries 89
Mean 0.001393
Std Dev 0.1002

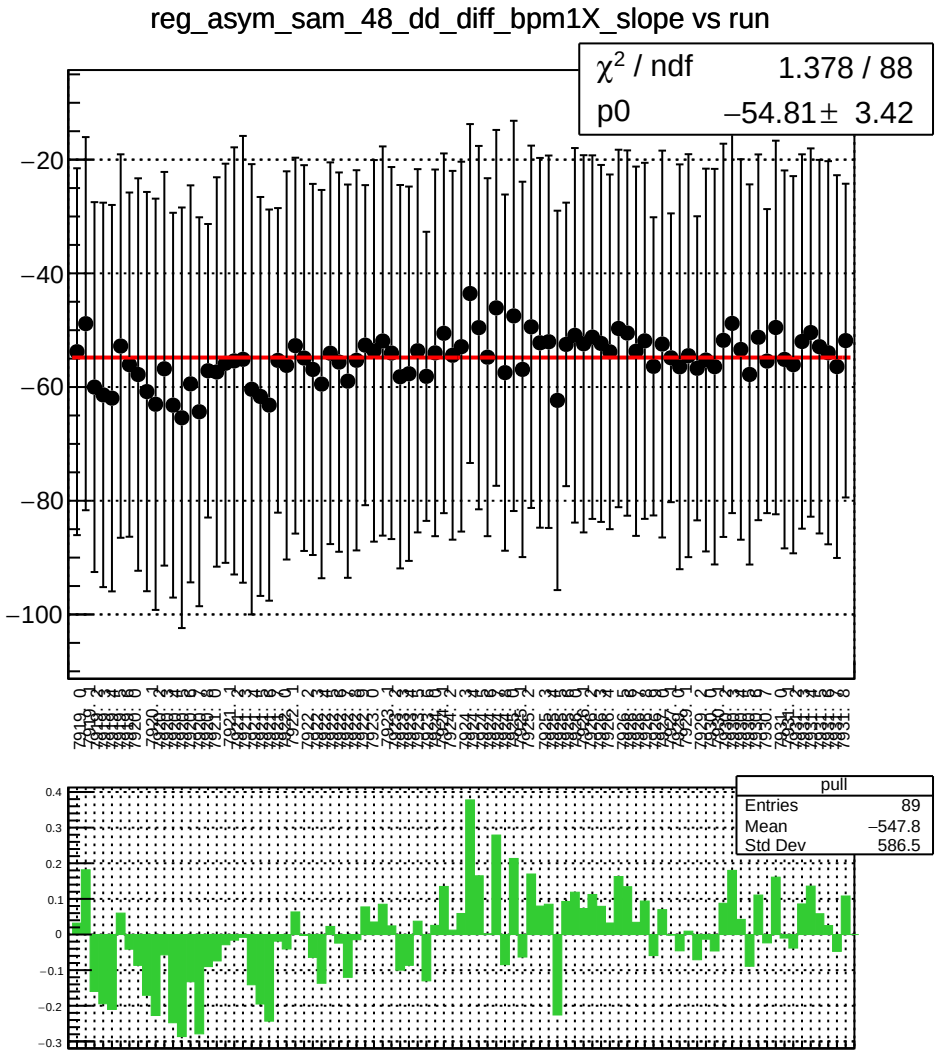

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.493 / 88
p0 −57.52 ± 4.29
pull
Entries 89
Mean −491.5
Std Dev 531.6
pull1D
Entries 89
Mean −0.003229
Std Dev 0.1295

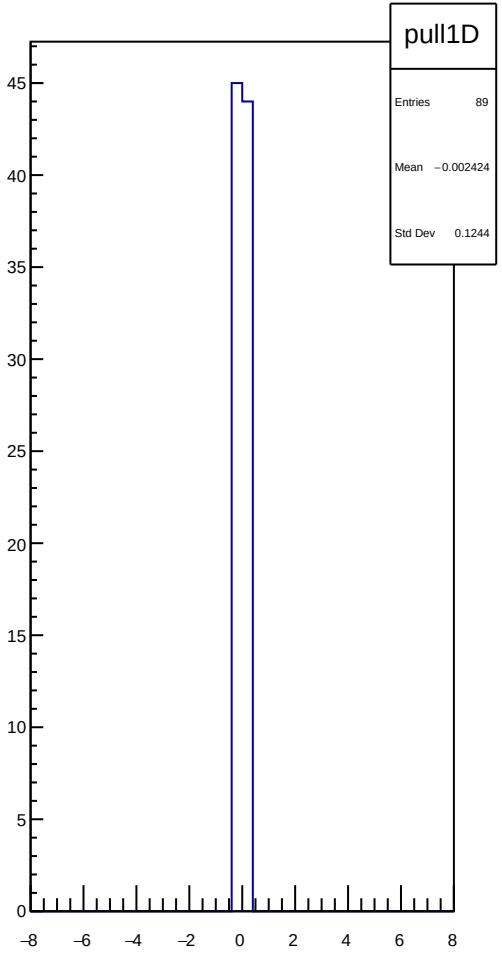

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.474 / 88
p0 67.04 ± 4.425
pull
Entries 89
Mean −61.67
Std Dev 83.39
pull1D
Entries 89
Mean 0.002662
Std Dev 0.1287

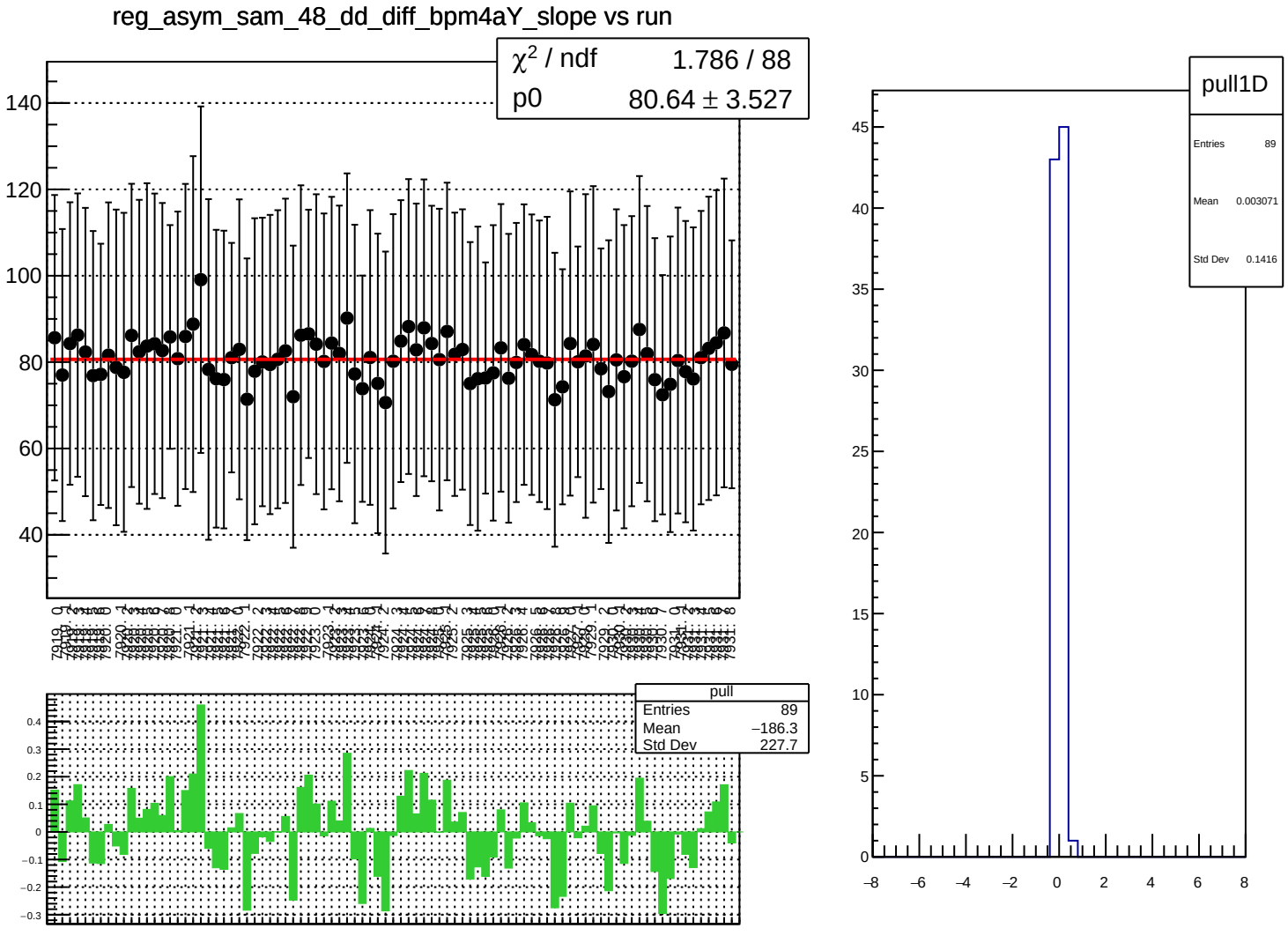

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.542 / 88
p0 −61.35 ± 3.837
pull
Entries 89
Mean −577.7
Std Dev 618.6
pull1D
Entries 89
Mean 0.003025
Std Dev 0.1316

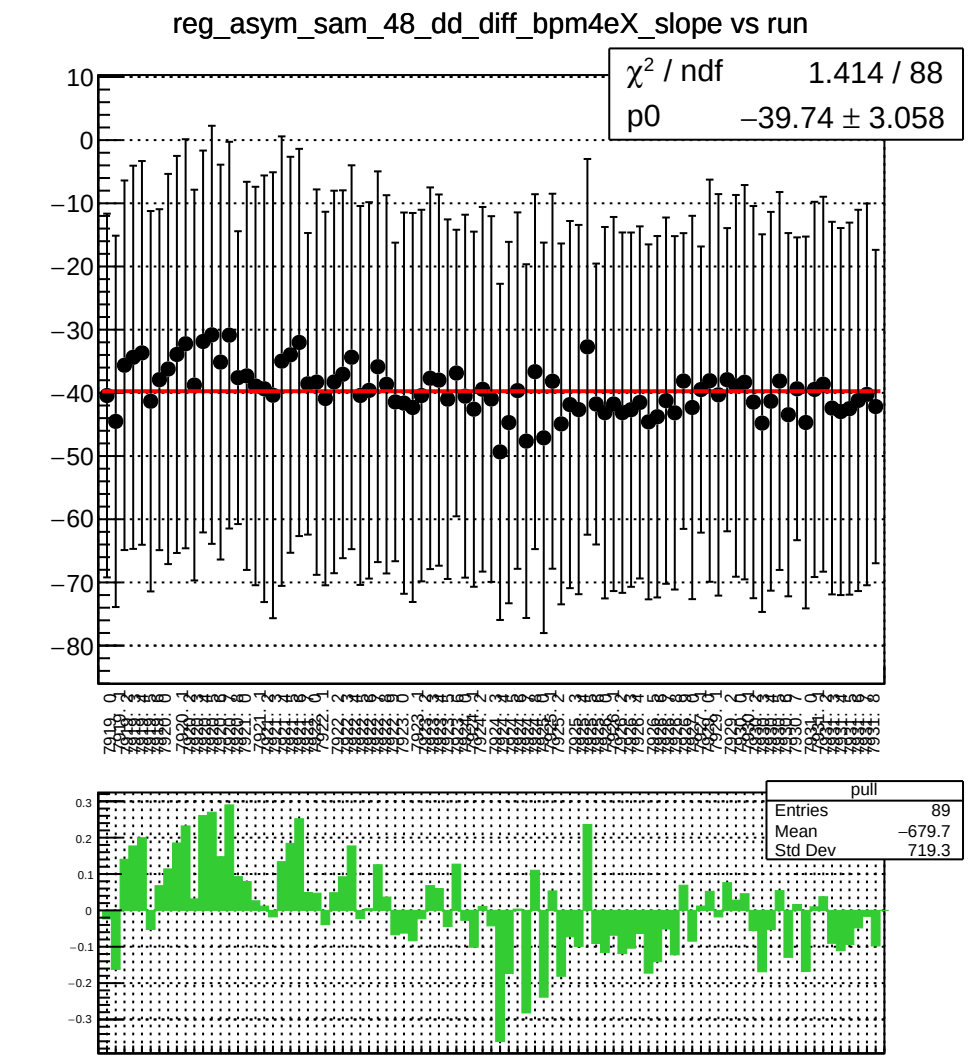

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.436 / 88
p0 40.86 ± 5.087
pull
Entries 89
Mean −158
Std Dev 192.9
pull1D
Entries 89
Mean −0.002616
Std Dev 0.127

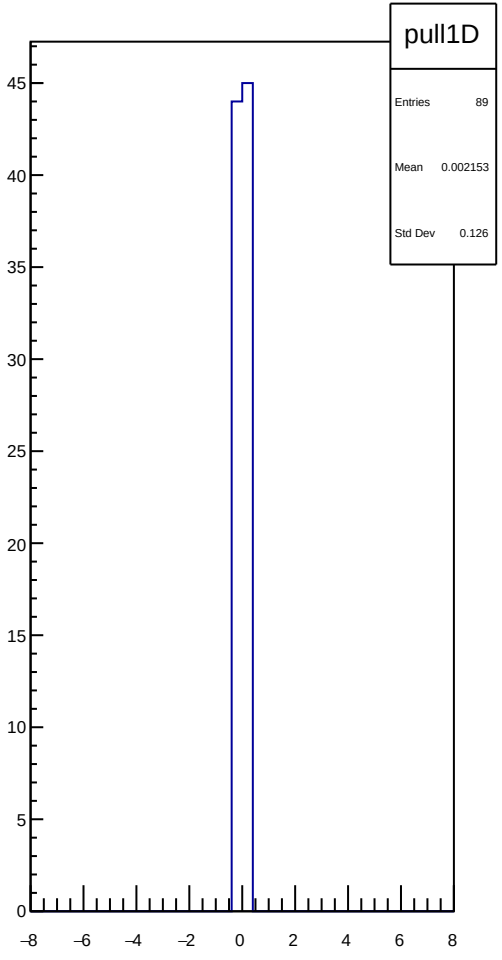

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.395 / 88
p0 −2.131 ± 0.147
pull
Entries 89
Mean −1723
Std Dev 1764
pull1D
Entries 89
Mean −0.0006517
Std Dev 0.1252

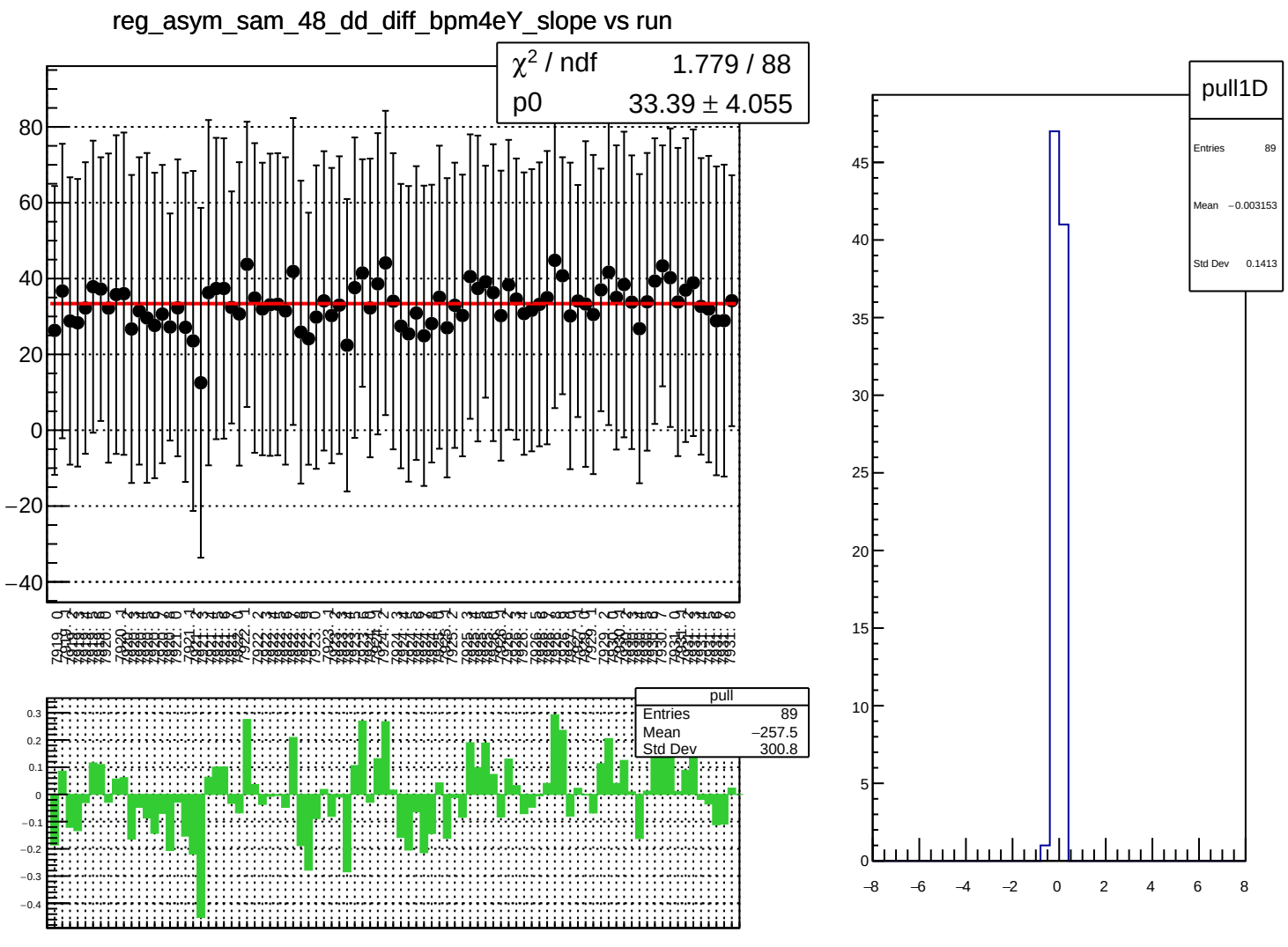

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.378 / 88
p0 −54.81 ± 3.42
pull
Entries 89
Mean −547.8
Std Dev 586.5

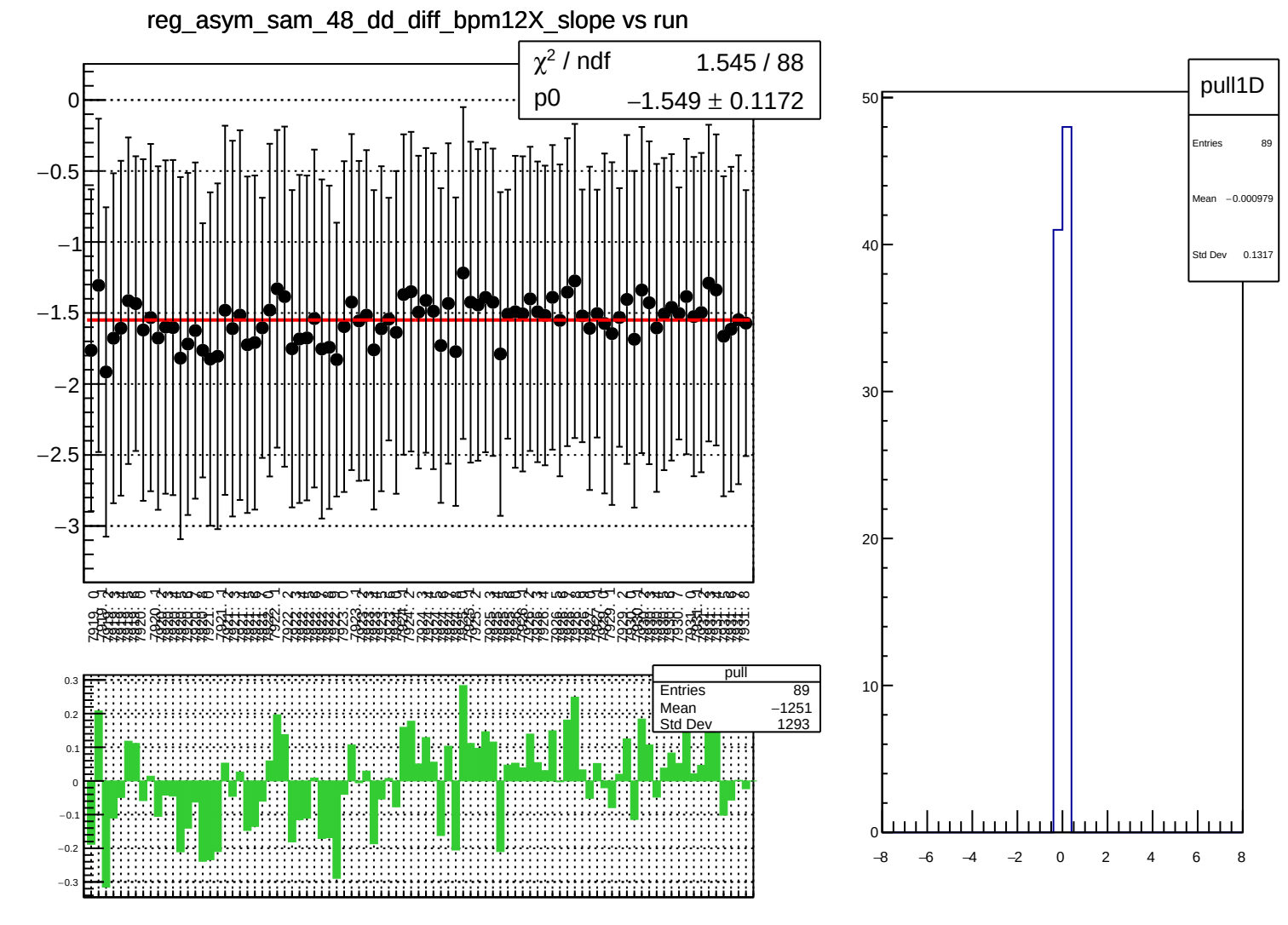

pull1D
Entries 89
Mean −0.002424
Std Dev 0.1244

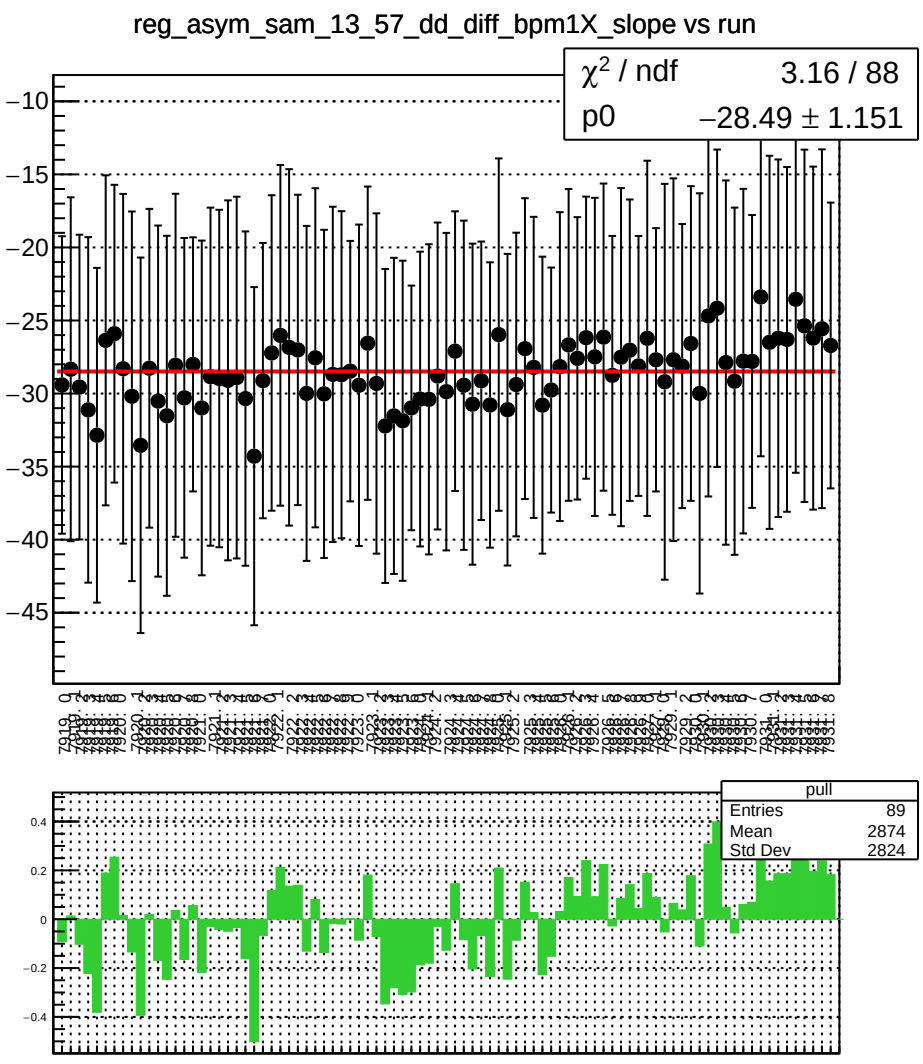

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.786 / 88
p0 80.64 ± 3.527
pull
Entries 89
Mean −186.3
Std Dev 227.7
pull1D
Entries 89
Mean 0.003071
Std Dev 0.1416

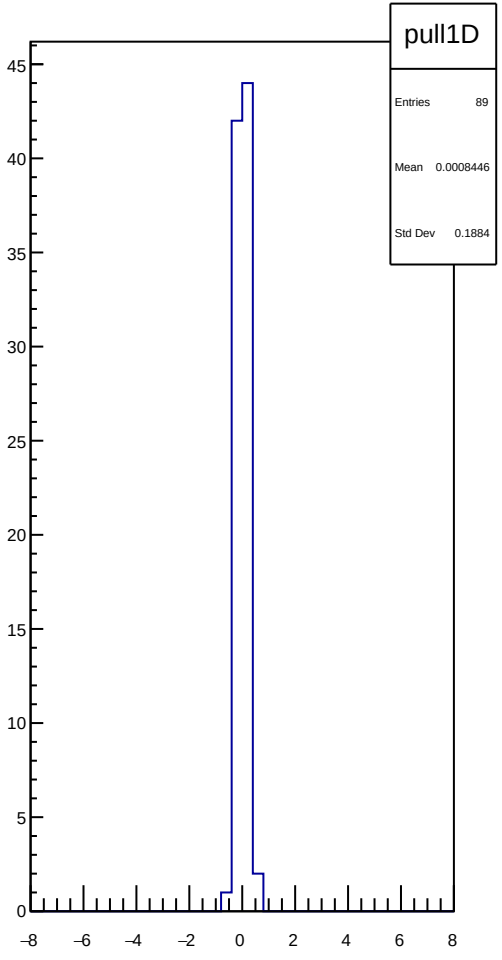

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.414 / 88
p0 −39.74 ± 3.058
pull
Entries 89
Mean −679.7
Std Dev 719.3

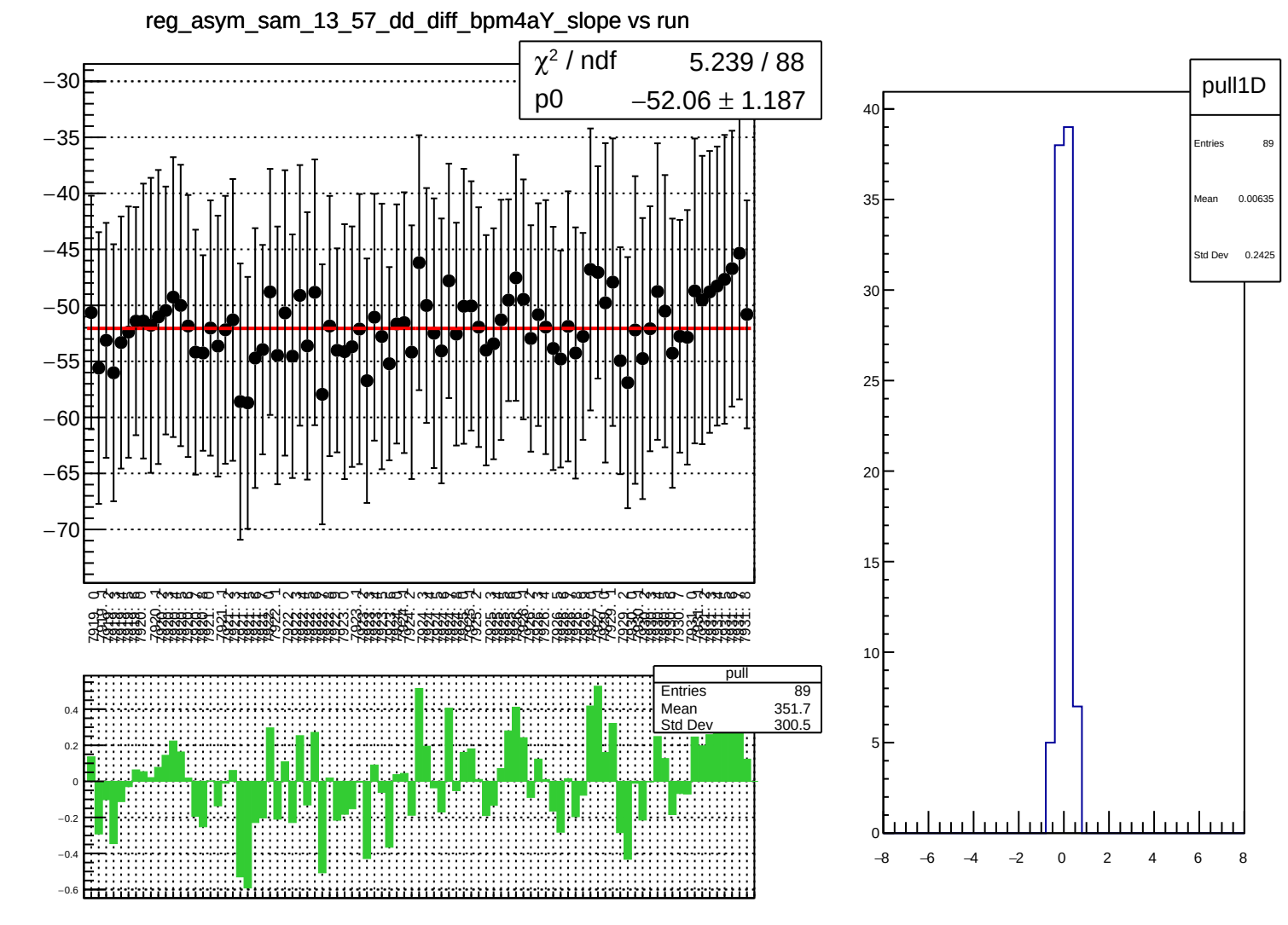

pull1D
Entries 89
Mean 0.002153
Std Dev 0.126

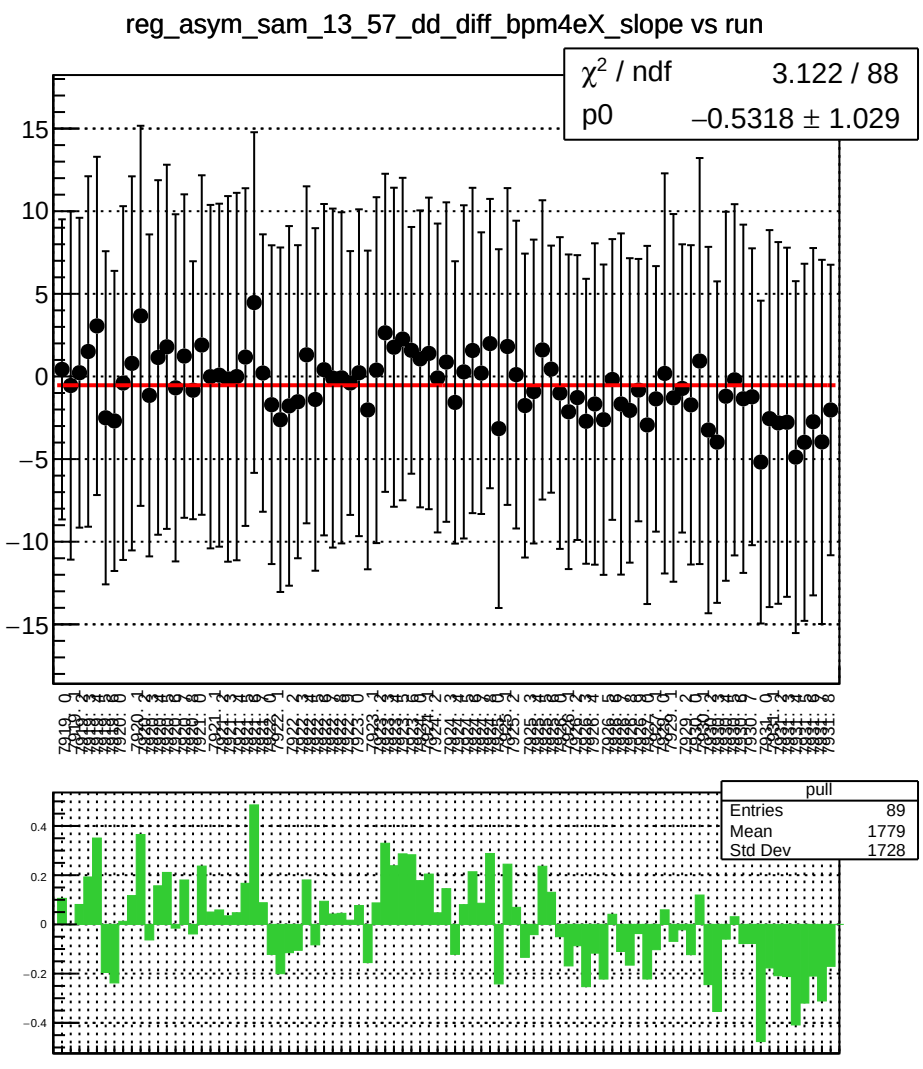

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.779 / 88
p0 33.39 ± 4.055
pull
Entries 89
Mean −257.5
Std Dev 300.8
pull1D
Entries 89
Mean −0.003153
Std Dev 0.1413

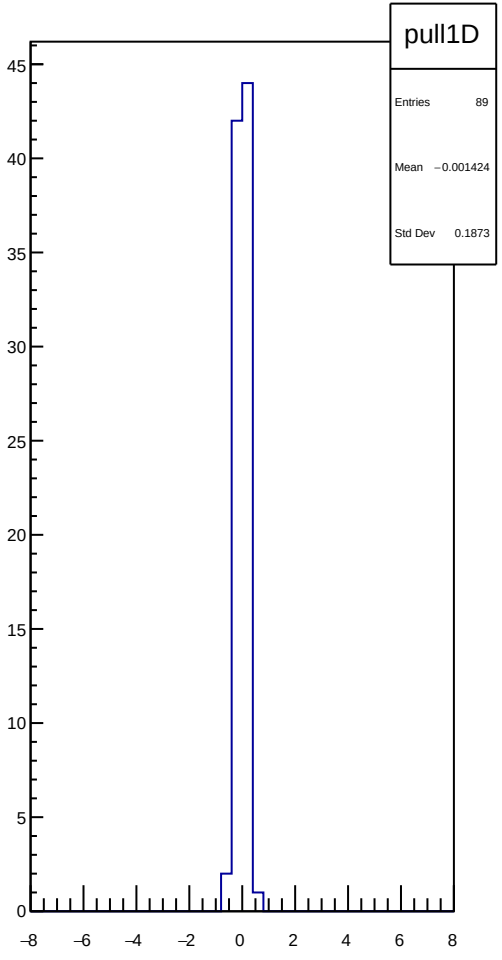

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.545 / 88
p0 −1.549 ± 0.1172
pull
Entries 89
Mean −1251
Std Dev 1293
pull1D
Entries 89
Mean −0.000979
Std Dev 0.1317

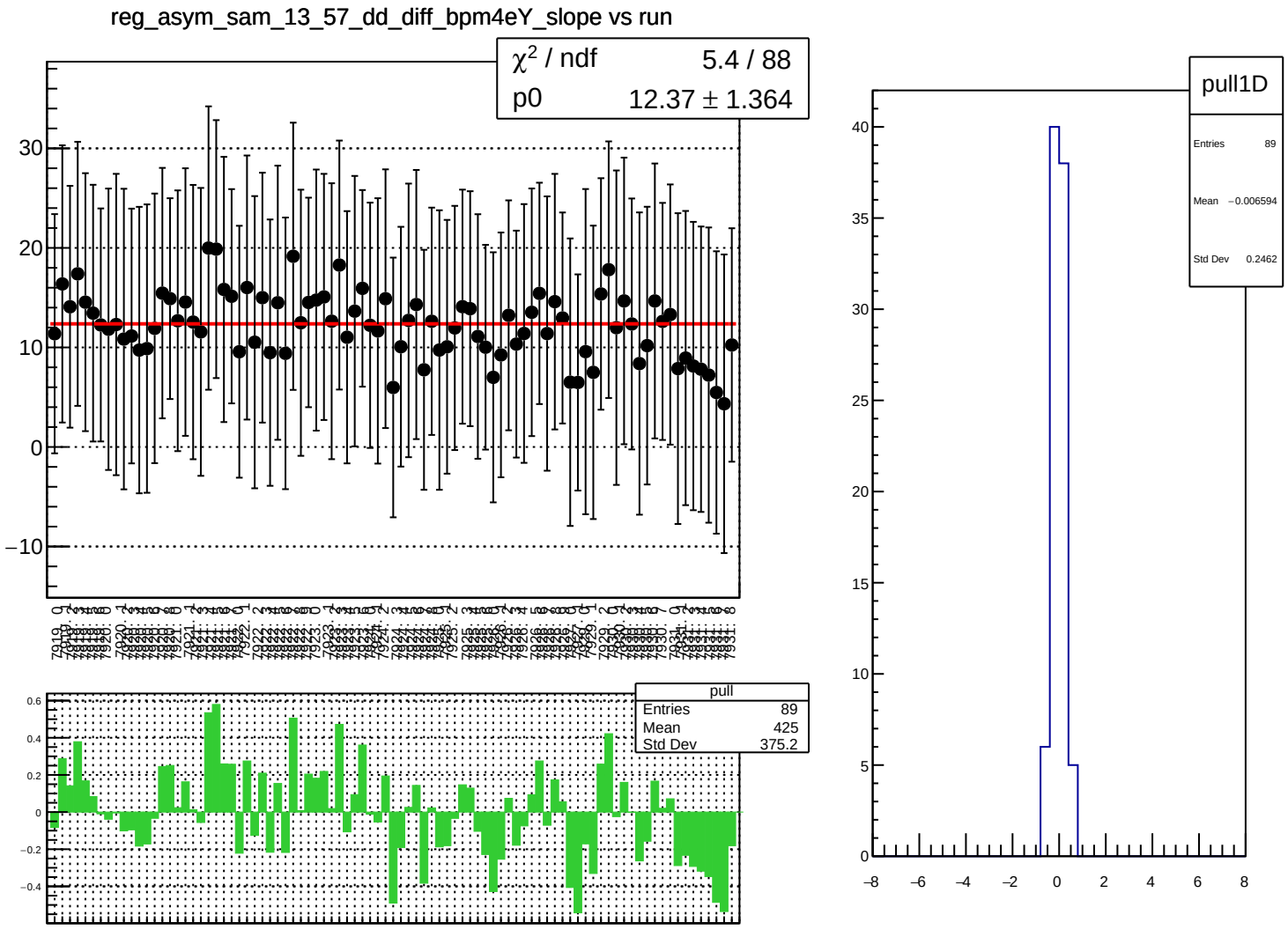

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 3.16 / 88
p0 −28.49 ± 1.151
pull
Entries 89
Mean 2874
Std Dev 2824

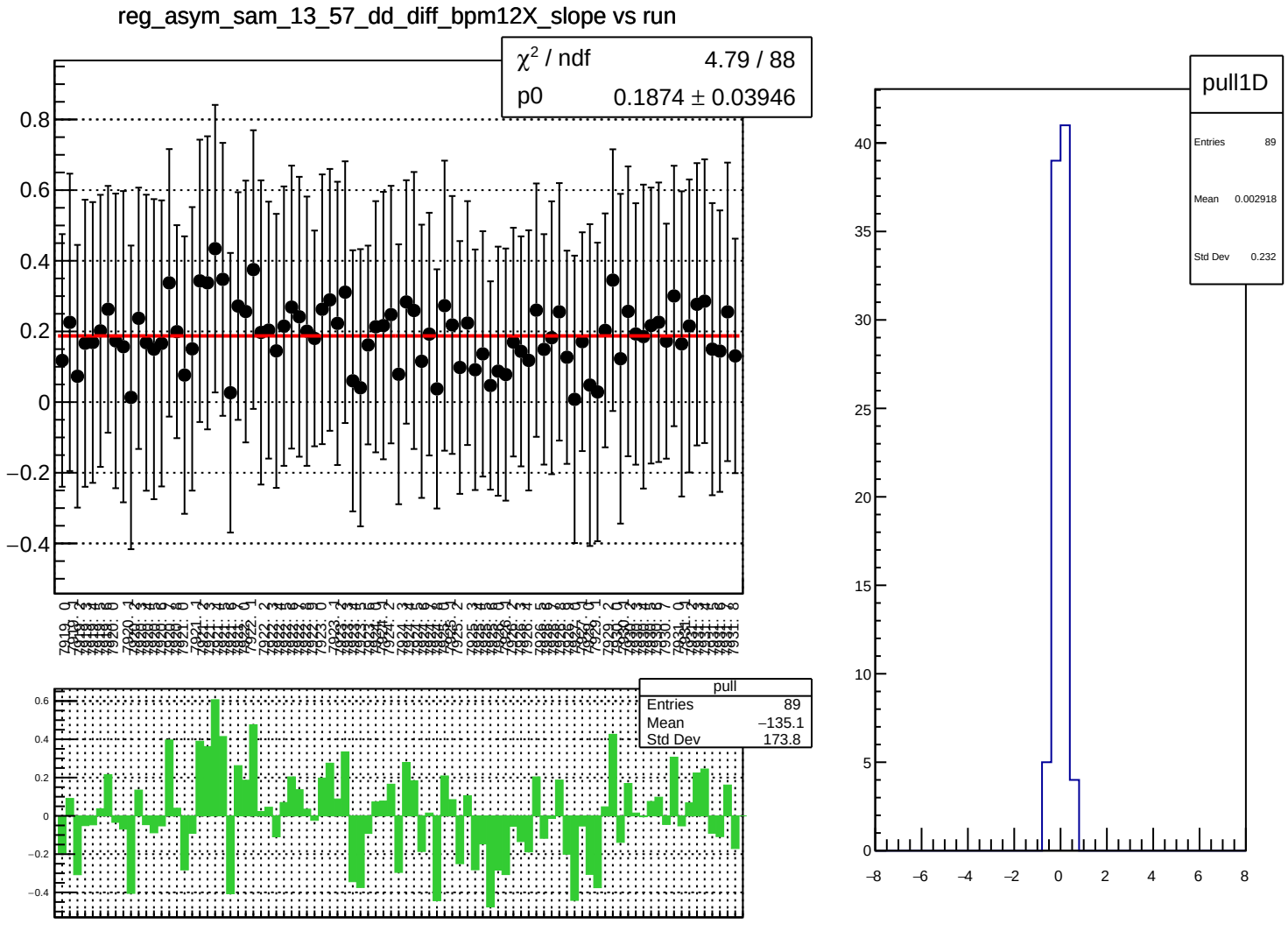

pull1D
Entries 89
Mean 0.0008446
Std Dev 0.1884

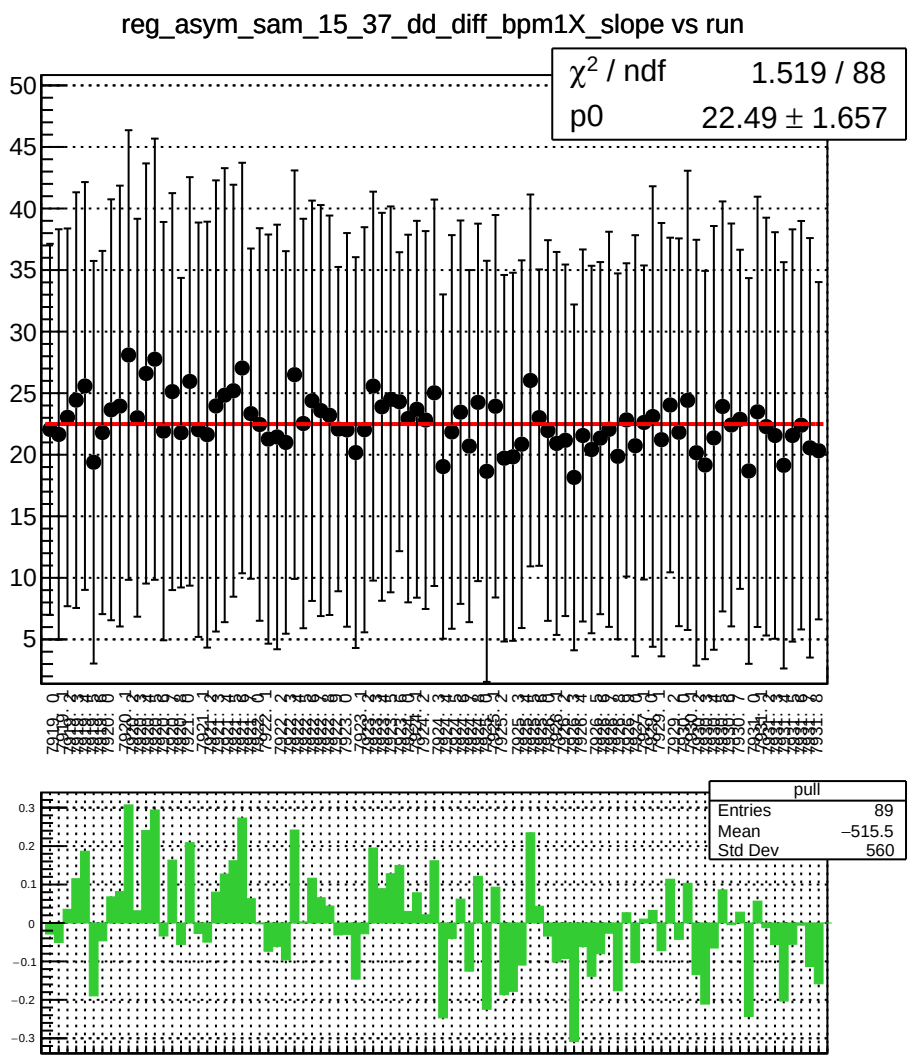

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.239 / 88
p0 −52.06 ± 1.187
pull
Entries 89
Mean 351.7
Std Dev 300.5
pull1D
Entries 89
Mean 0.00635
Std Dev 0.2425

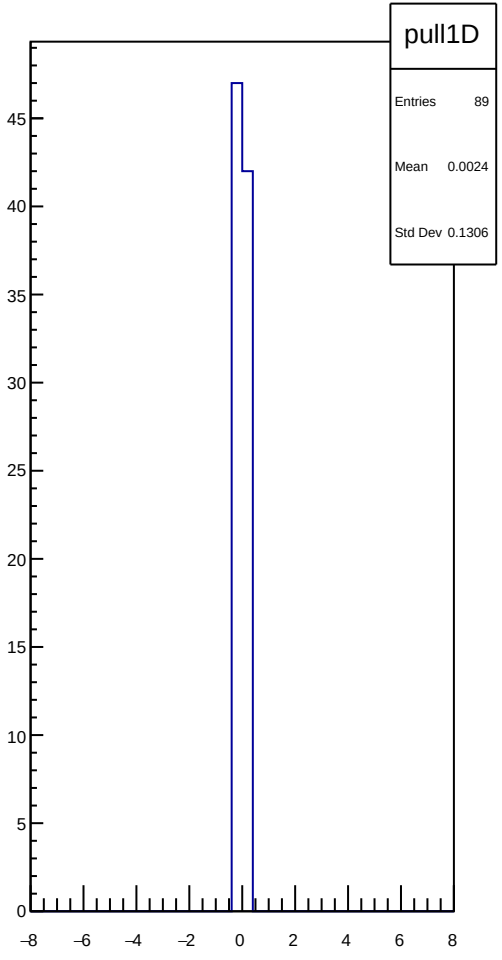

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.122 / 88
p0 −0.5318 ± 1.029
pull
Entries 89
Mean 1779
Std Dev 1728

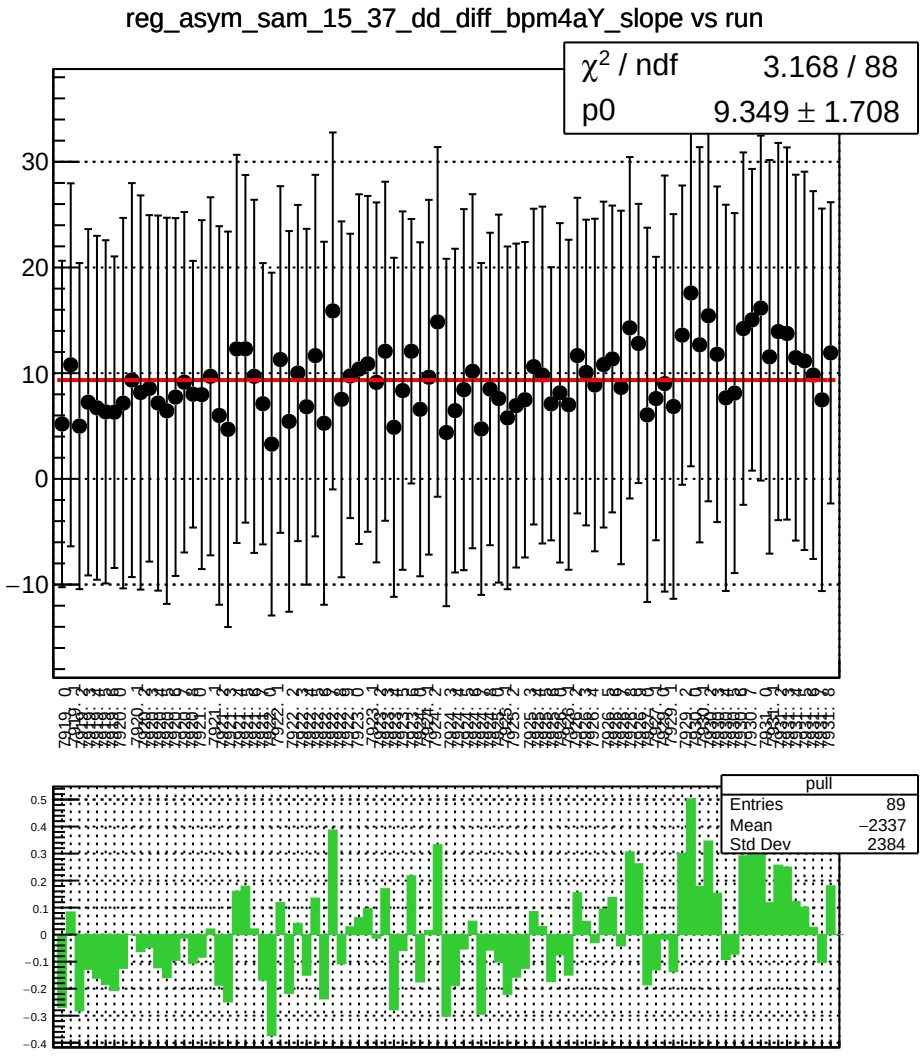

pull1D
Entries 89
Mean −0.001424
Std Dev 0.1873

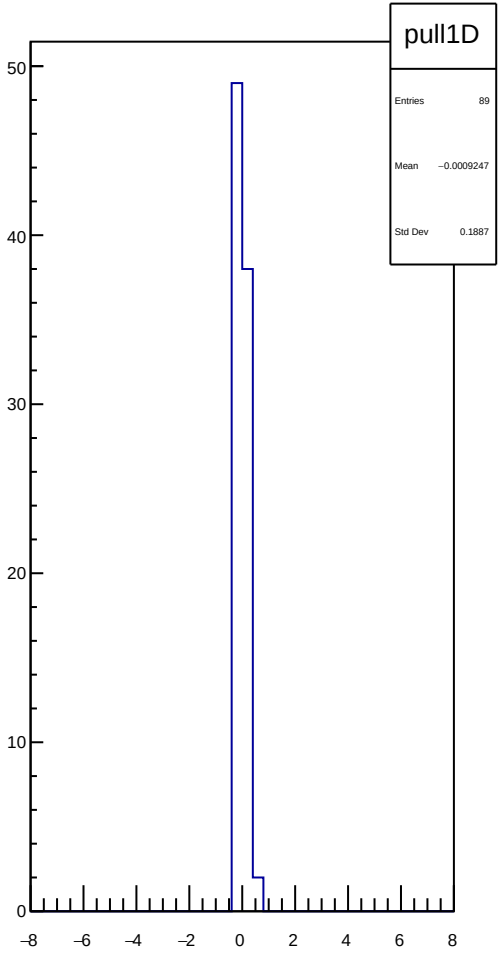

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.4 / 88
p0 12.37 ± 1.364
pull
Entries 89
Mean 425
Std Dev 375.2
pull1D
Entries 89
Mean −0.006594
Std Dev 0.2462

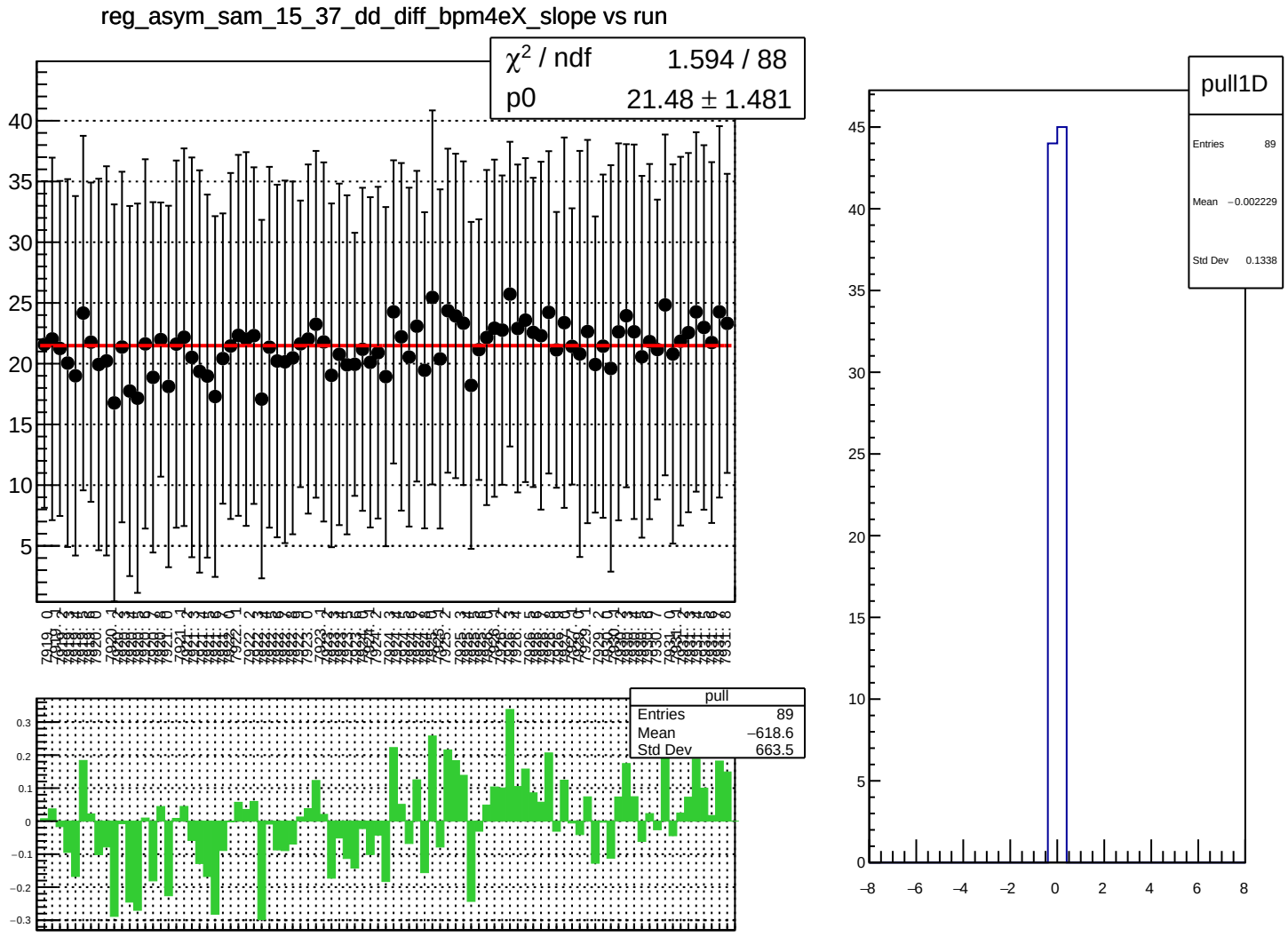

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 4.79 / 88
p0 0.1874 ± 0.03946
pull
Entries 89
Mean −135.1
Std Dev 173.8
pull1D
Entries 89
Mean 0.002918
Std Dev 0.232

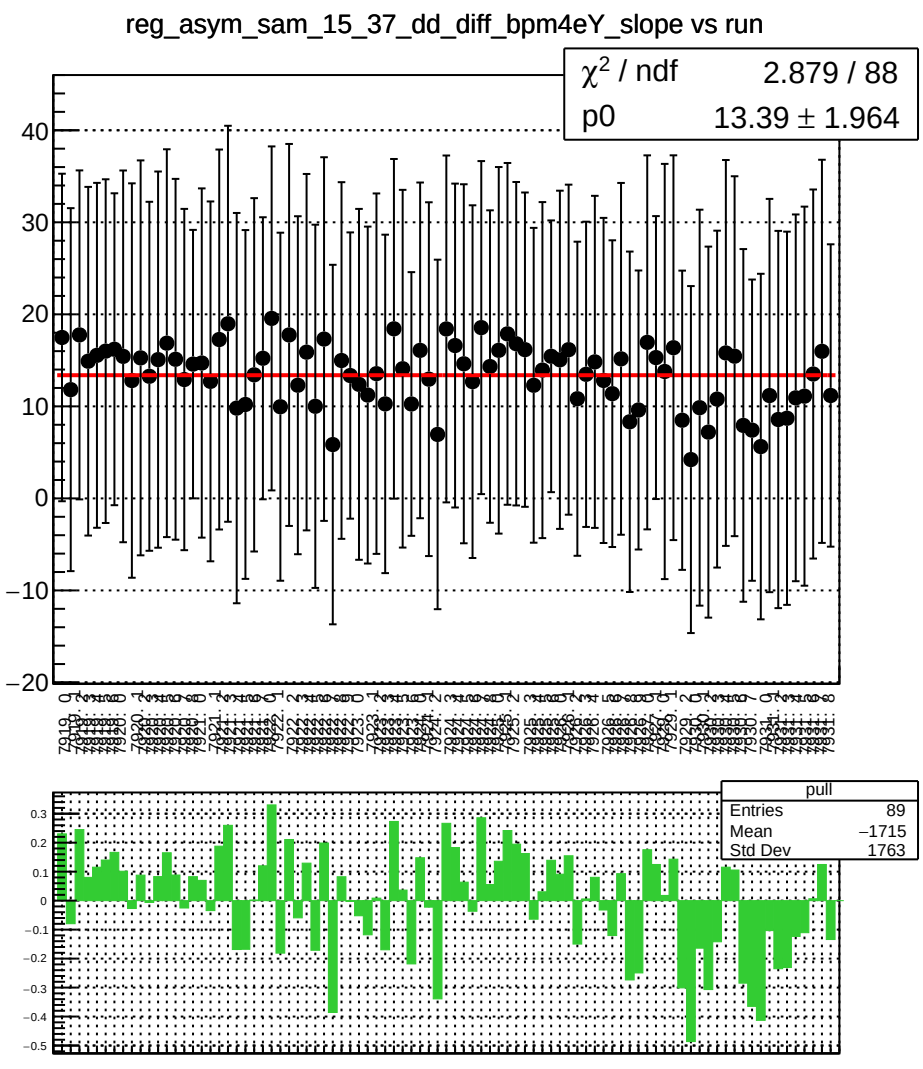

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.519 / 88
p0 22.49 ± 1.657
pull
Entries 89
Mean −515.5
Std Dev 560

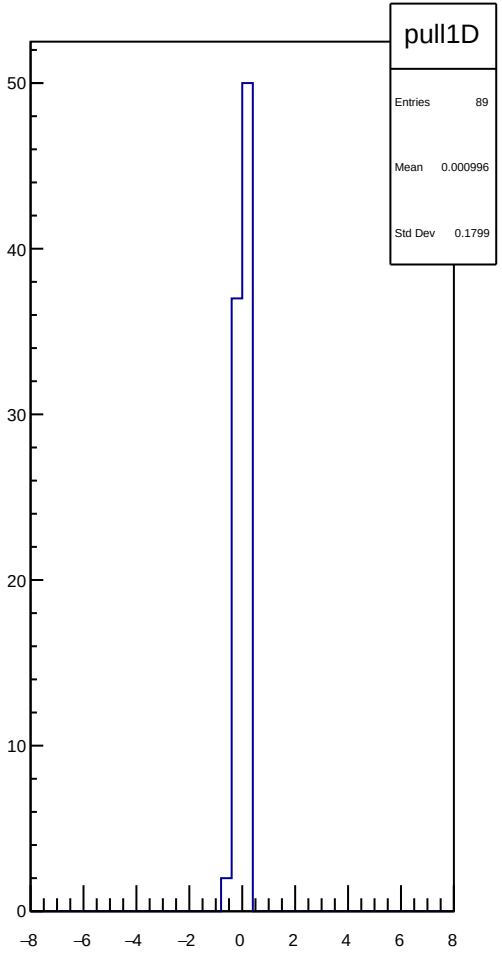

pull1D
Entries 89
Mean 0.0024
Std Dev 0.1306

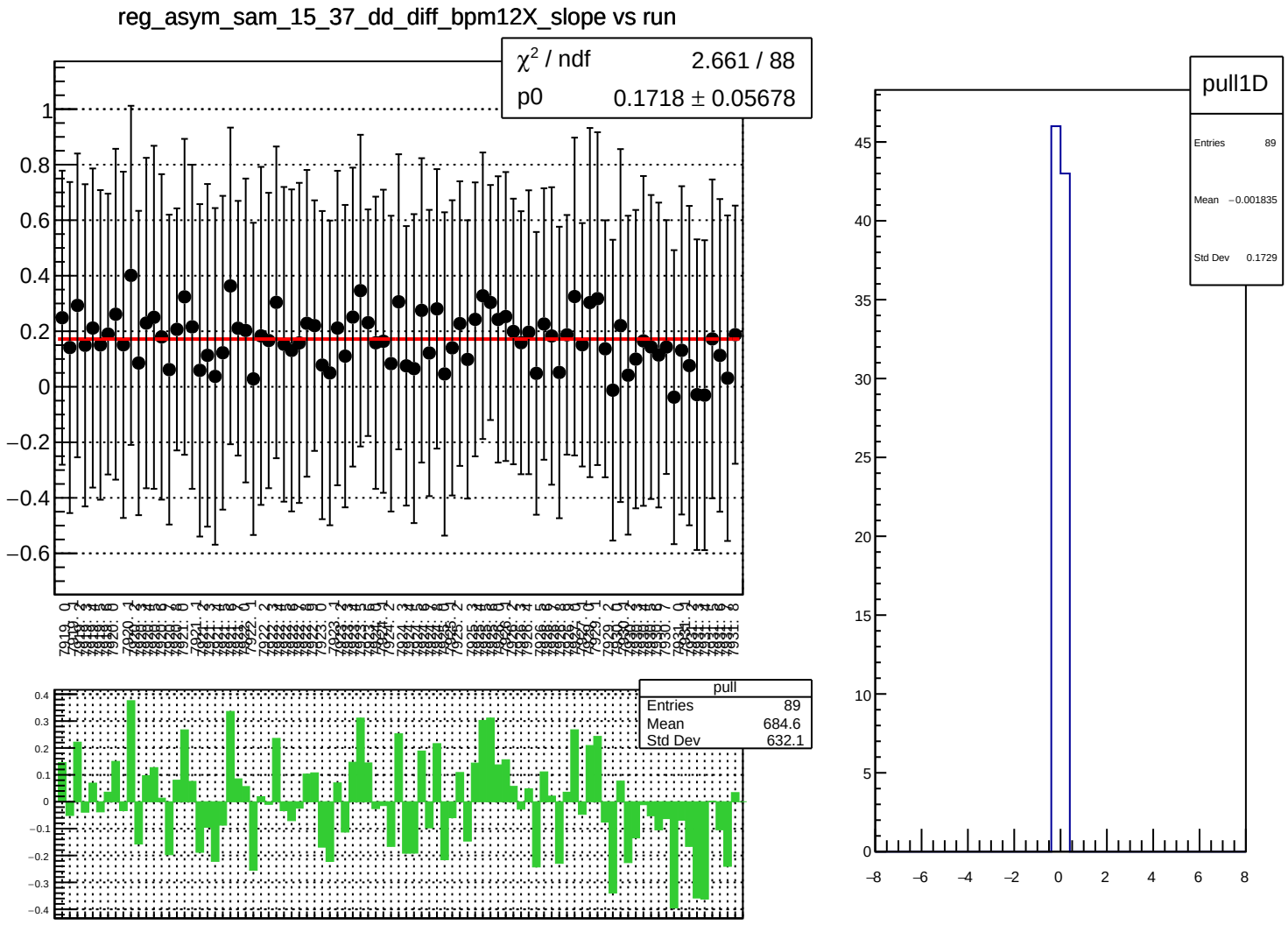

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.168 / 88
p0 9.349 ± 1.708
pull
Entries 89
Mean −2337
Std Dev 2384

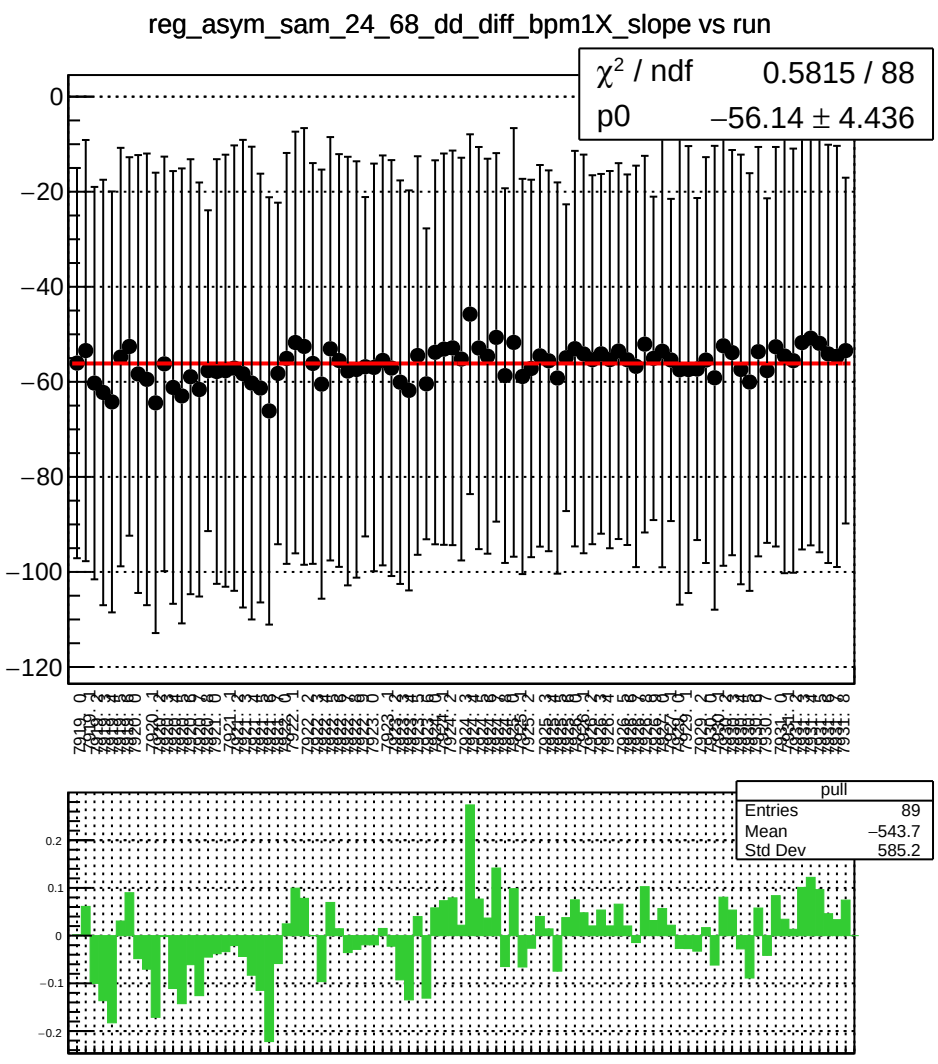

pull1D
Entries 89
Mean −0.0009247
Std Dev 0.1887

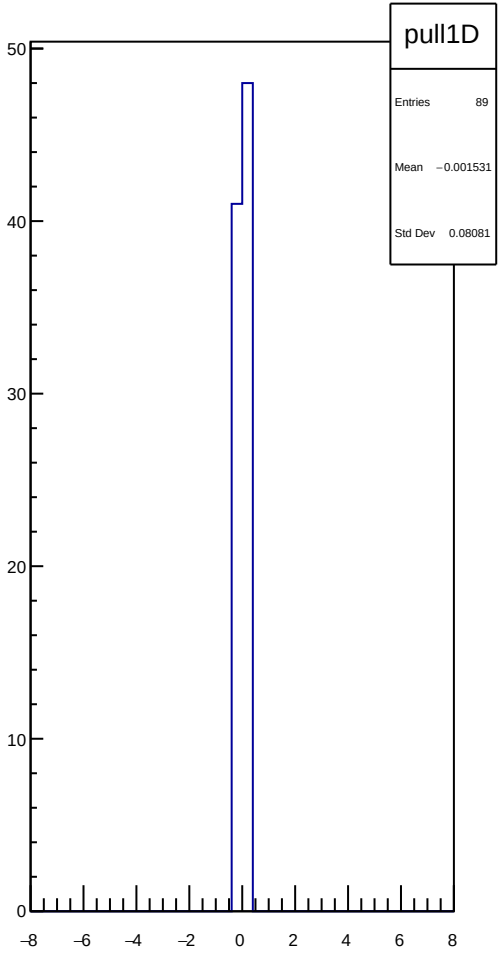

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.594 / 88
p0 21.48 ± 1.481
pull
Entries 89
Mean −618.6
Std Dev 663.5
pull1D
Entries 89
Mean −0.002229
Std Dev 0.1338

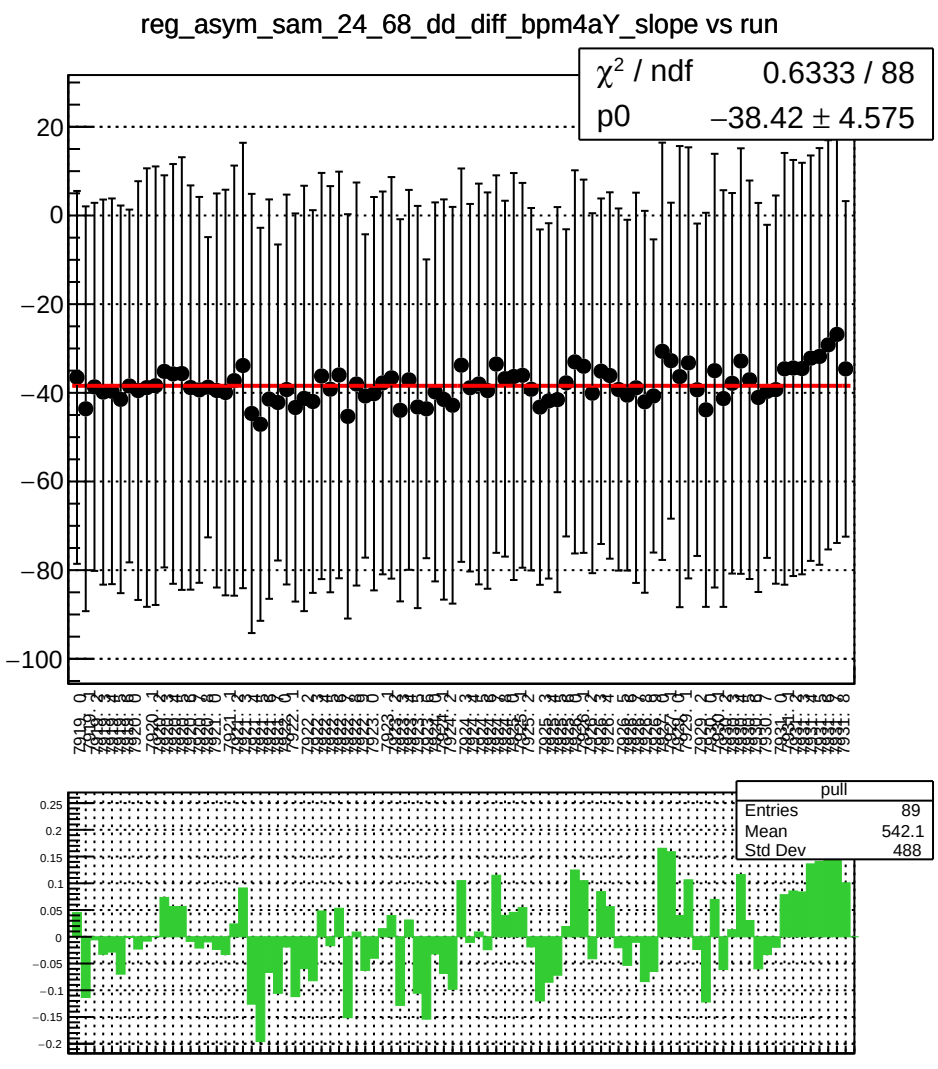

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.879 / 88
p0 13.39 ± 1.964
pull
Entries 89
Mean −1715
Std Dev 1763

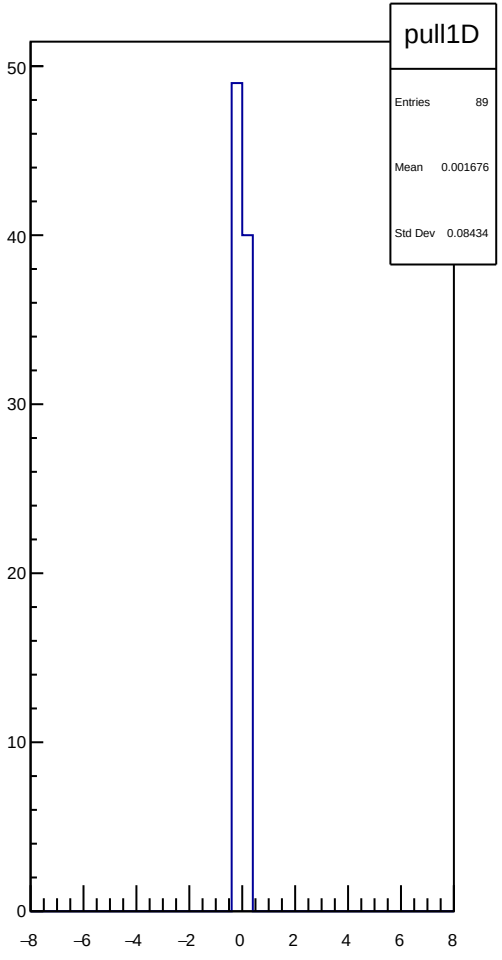

pull1D
Entries 89
Mean 0.000996
Std Dev 0.1799

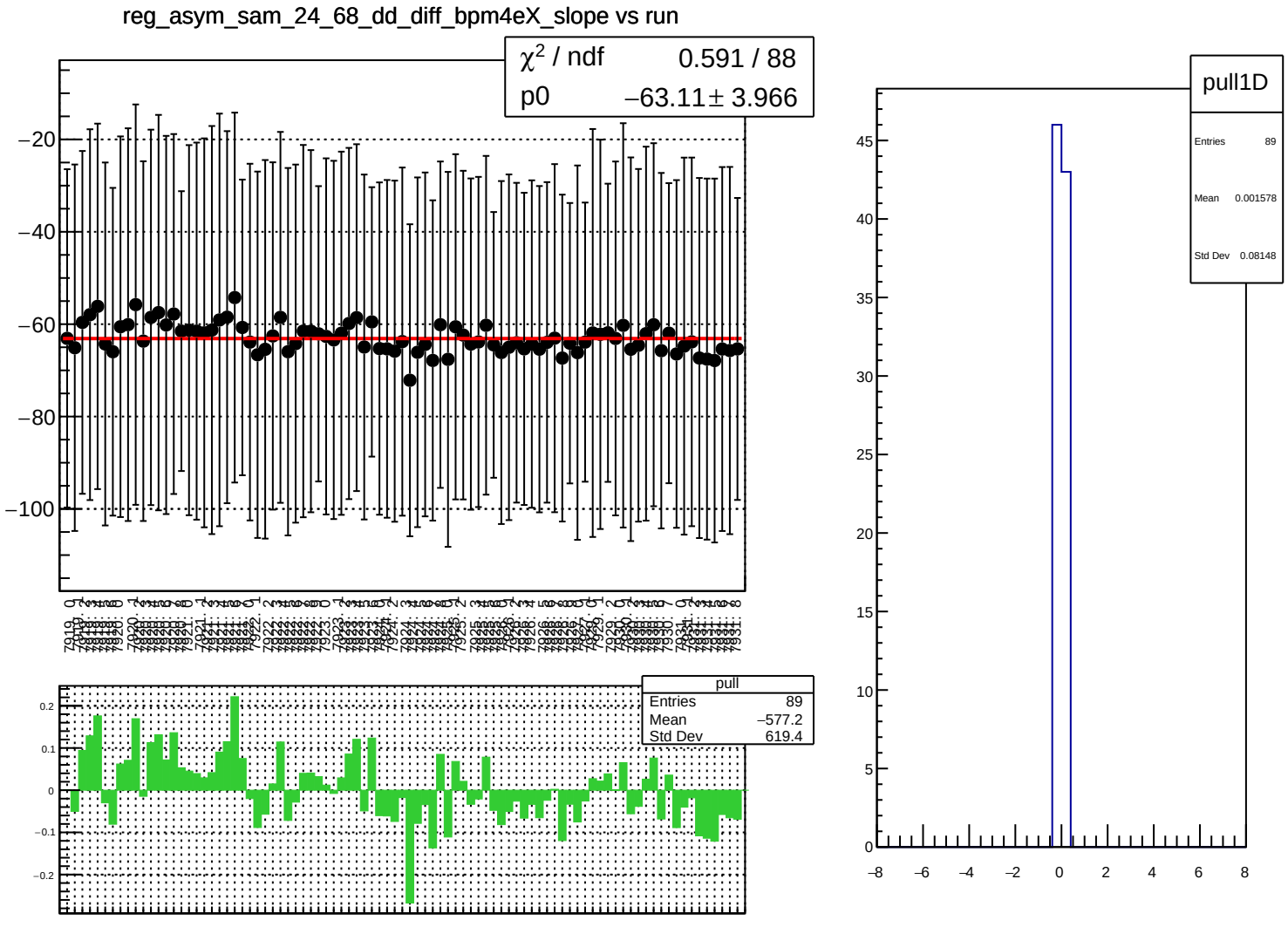

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.661 / 88
p0 0.1718 ± 0.05678
pull
Entries 89
Mean 684.6
Std Dev 632.1
pull1D
Entries 89
Mean −0.001835
Std Dev 0.1729

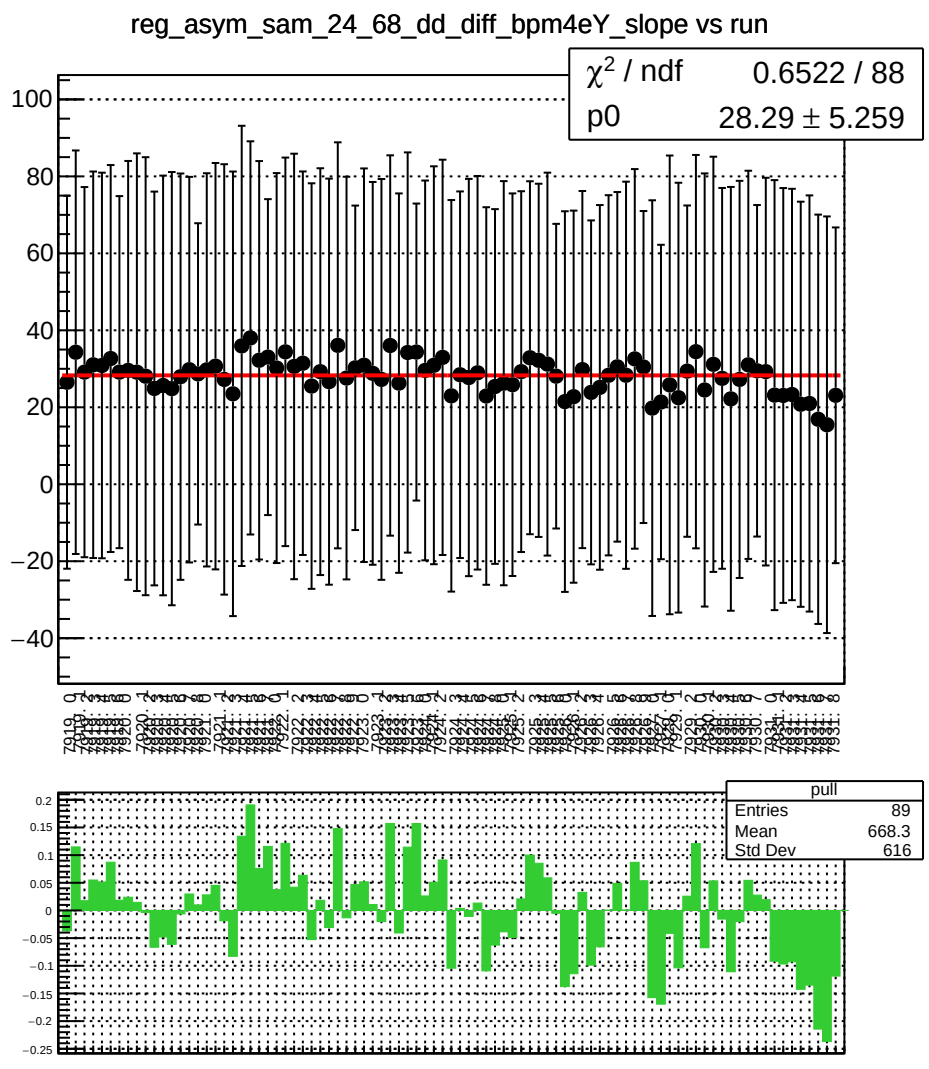

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.5815 / 88
p0 −56.14 ± 4.436
pull
Entries 89
Mean −543.7
Std Dev 585.2

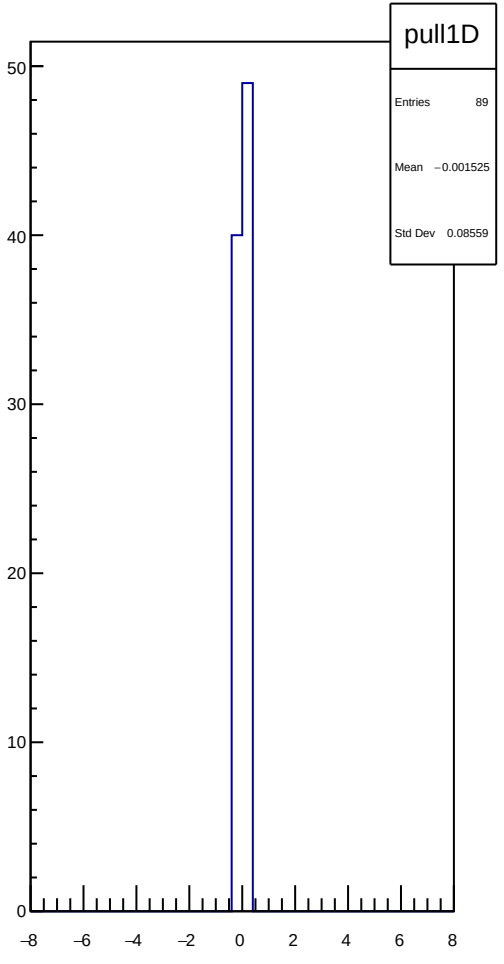

pull1D
Entries 89
Mean −0.001531
Std Dev 0.08081

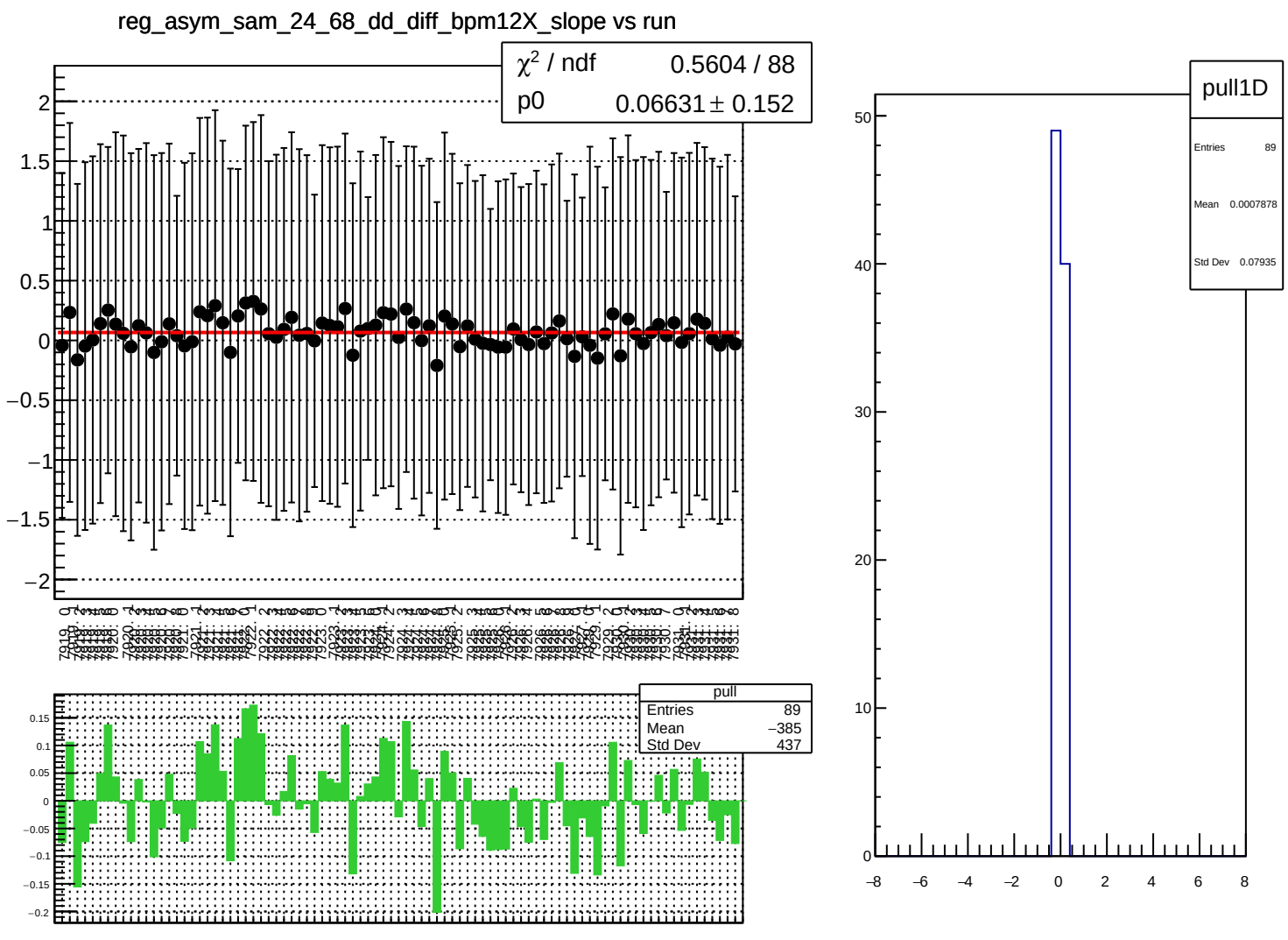

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6333 / 88
p0 −38.42 ± 4.575
pull
Entries 89
Mean 542.1
Std Dev 488

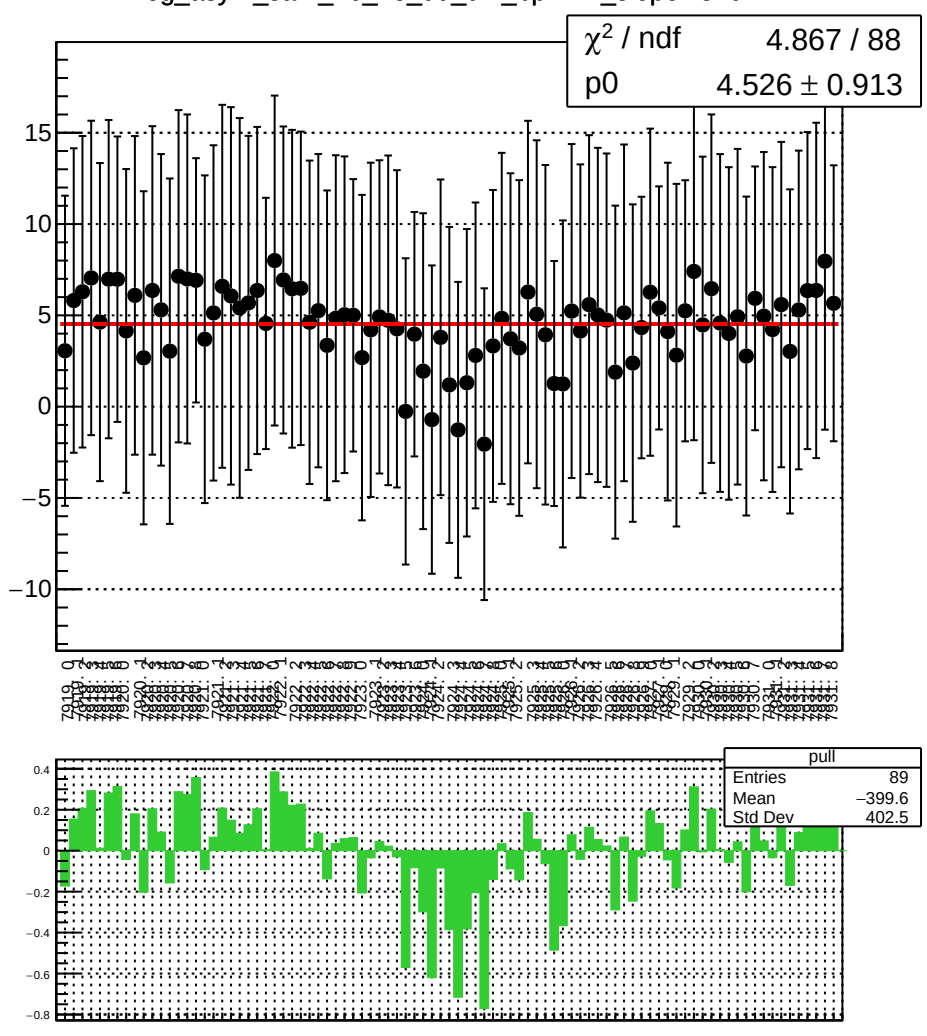

pull1D
Entries 89
Mean 0.001676
Std Dev 0.08434

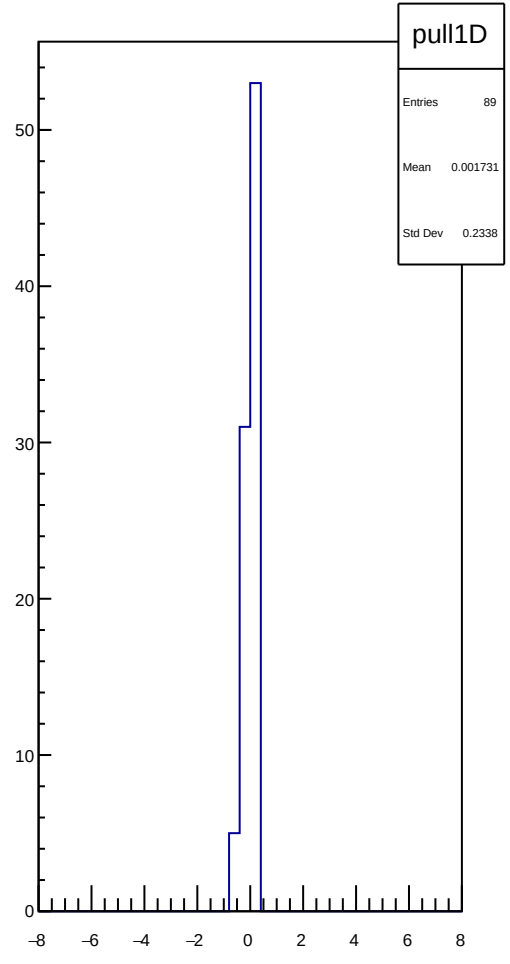

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.591 / 88
p0 −63.11± 3.966
pull
Entries 89
Mean −577.2
Std Dev 619.4
pull1D
Entries 89
Mean 0.001578
Std Dev 0.08148

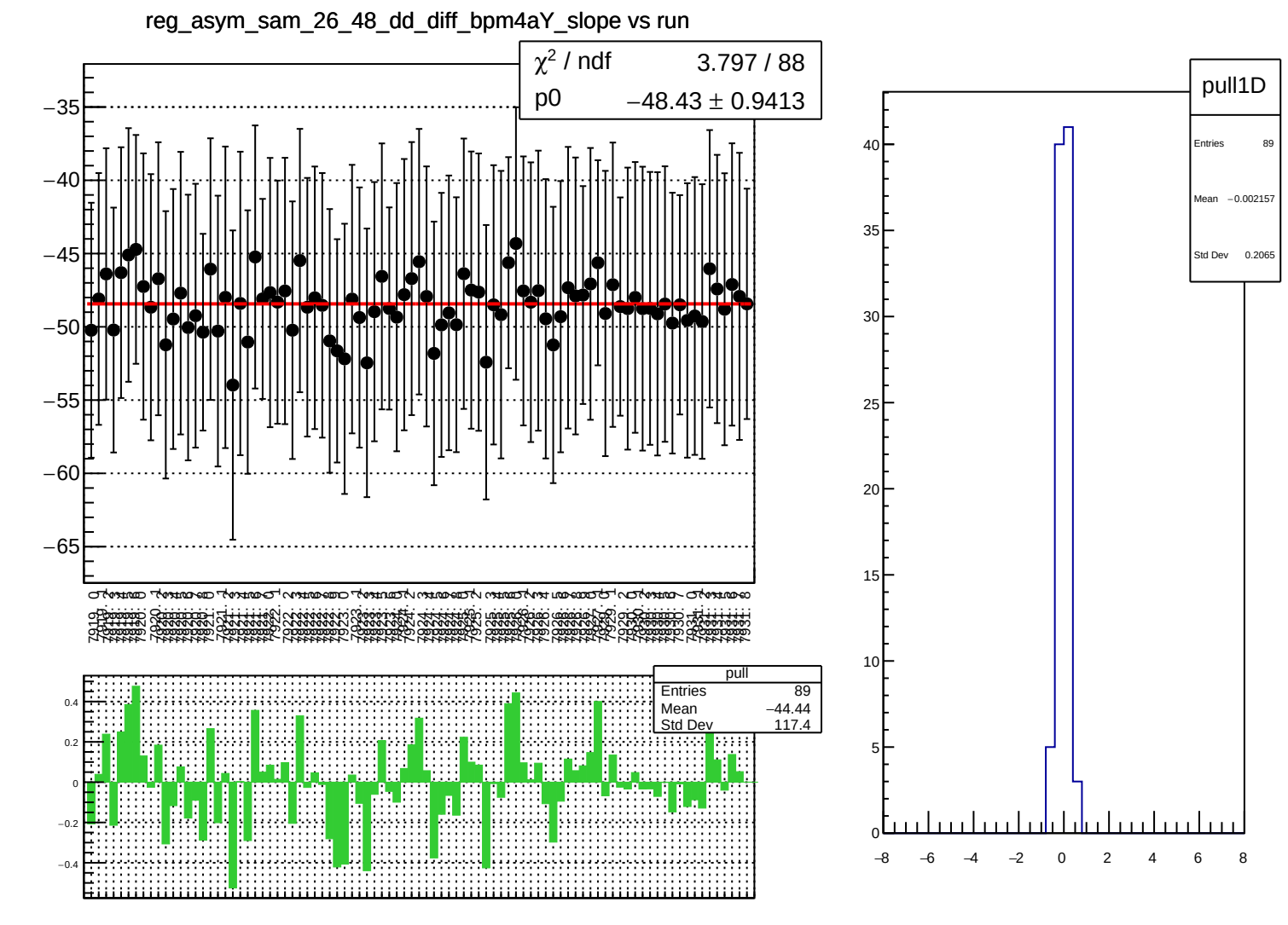

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6522 / 88
p0 28.29 ± 5.259
pull
Entries 89
Mean 668.3
Std Dev 616

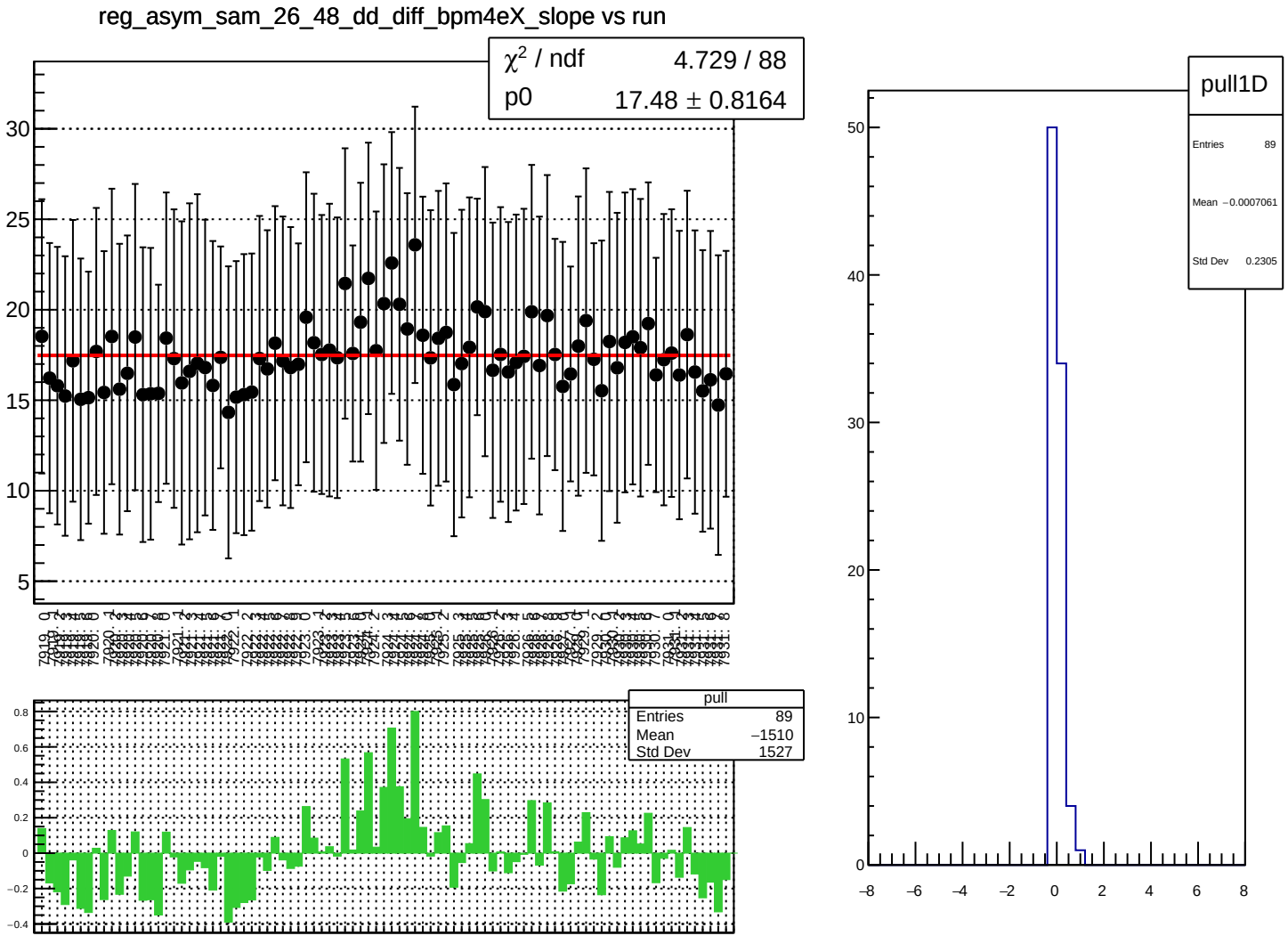

pull1D
Entries 89
Mean −0.001525
Std Dev 0.08559

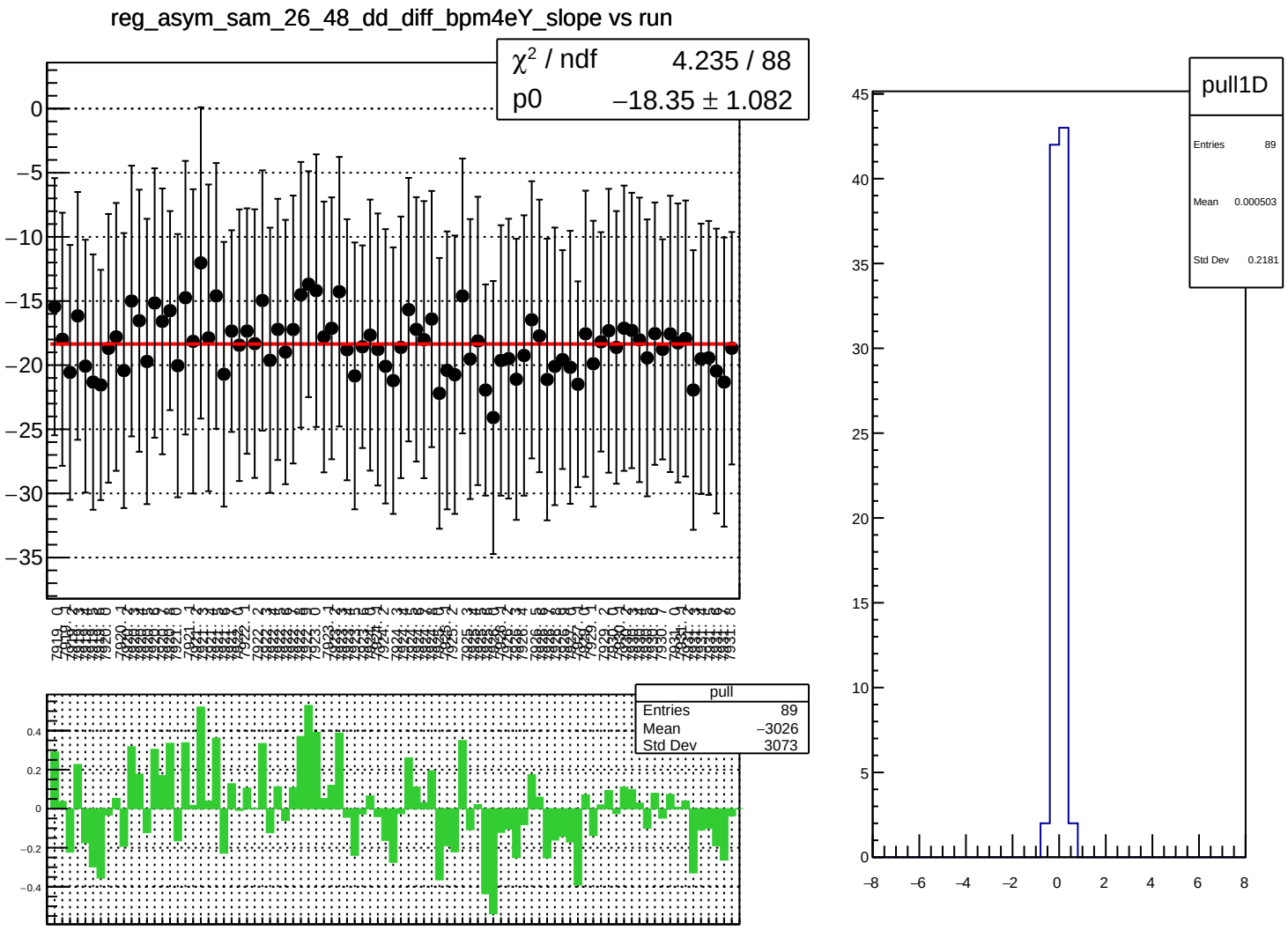

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5604 / 88
p0 0.06631 ± 0.152
pull
Entries 89
Mean −385
Std Dev 437
pull1D
Entries 89
Mean 0.0007878
Std Dev 0.07935

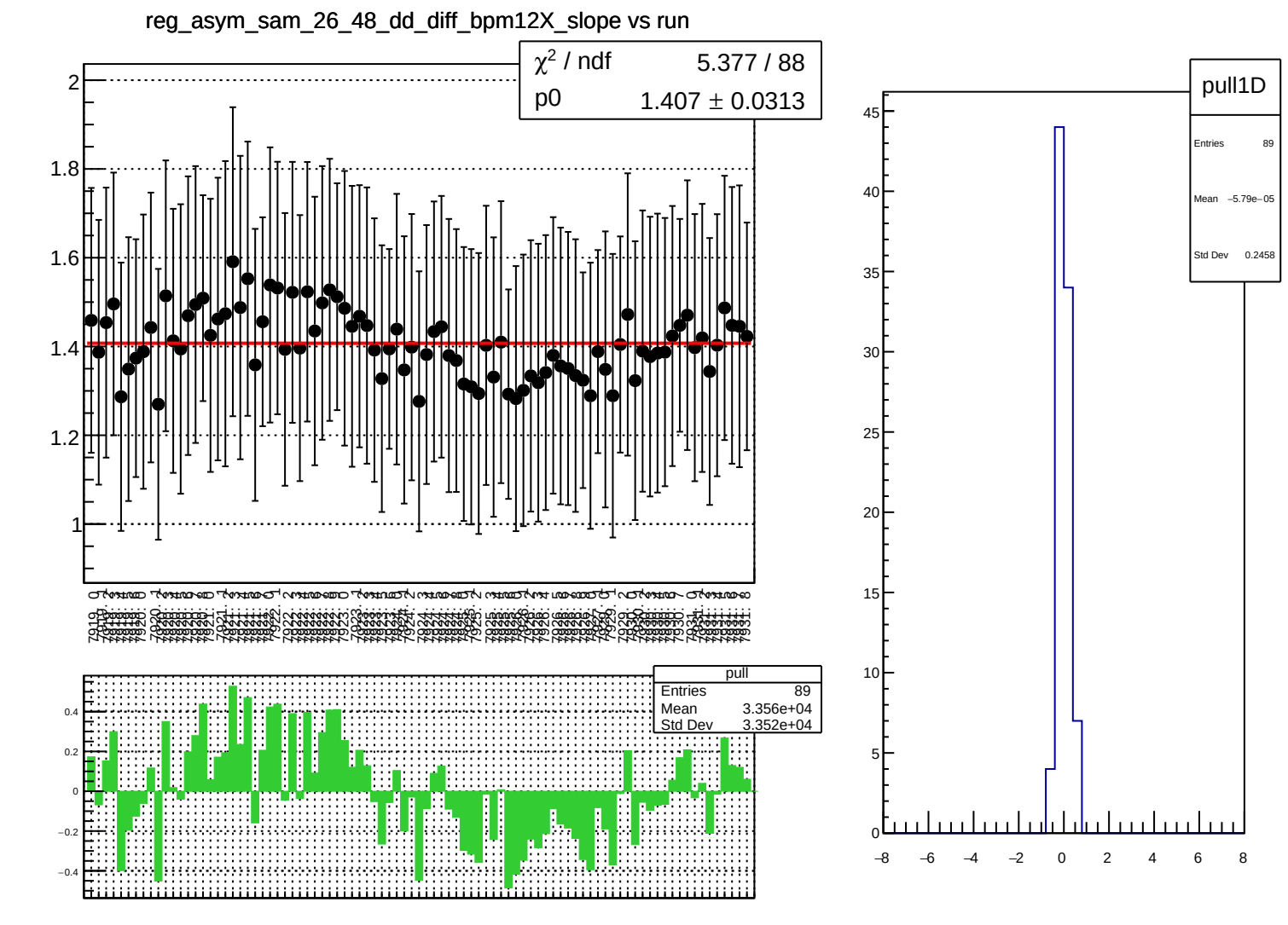

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.867 / 88
p0 4.526 ± 0.913
pull
Entries 89
Mean −399.6
Std Dev 402.5

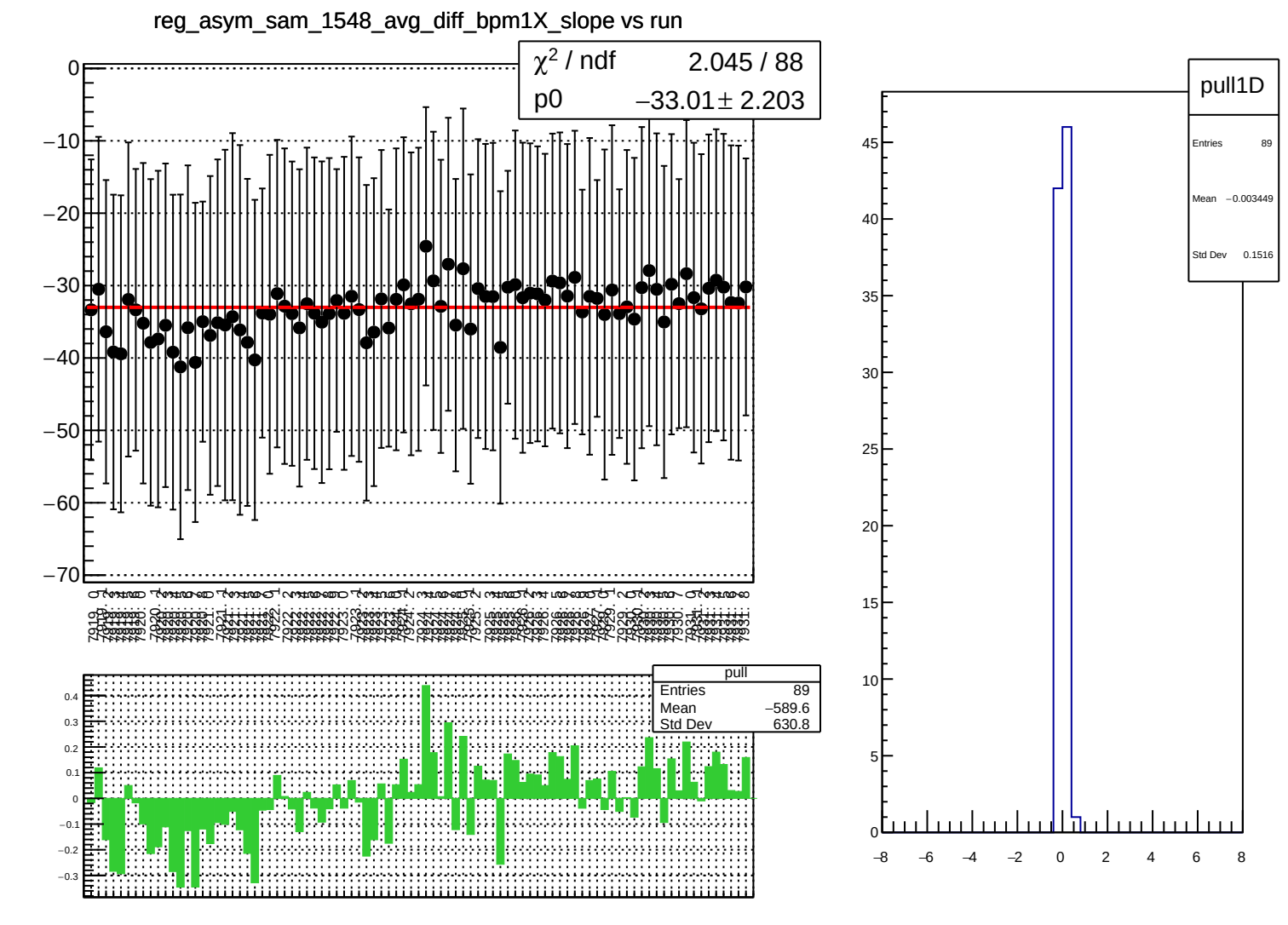

pull1D
Entries 89
Mean 0.001731
Std Dev 0.2338

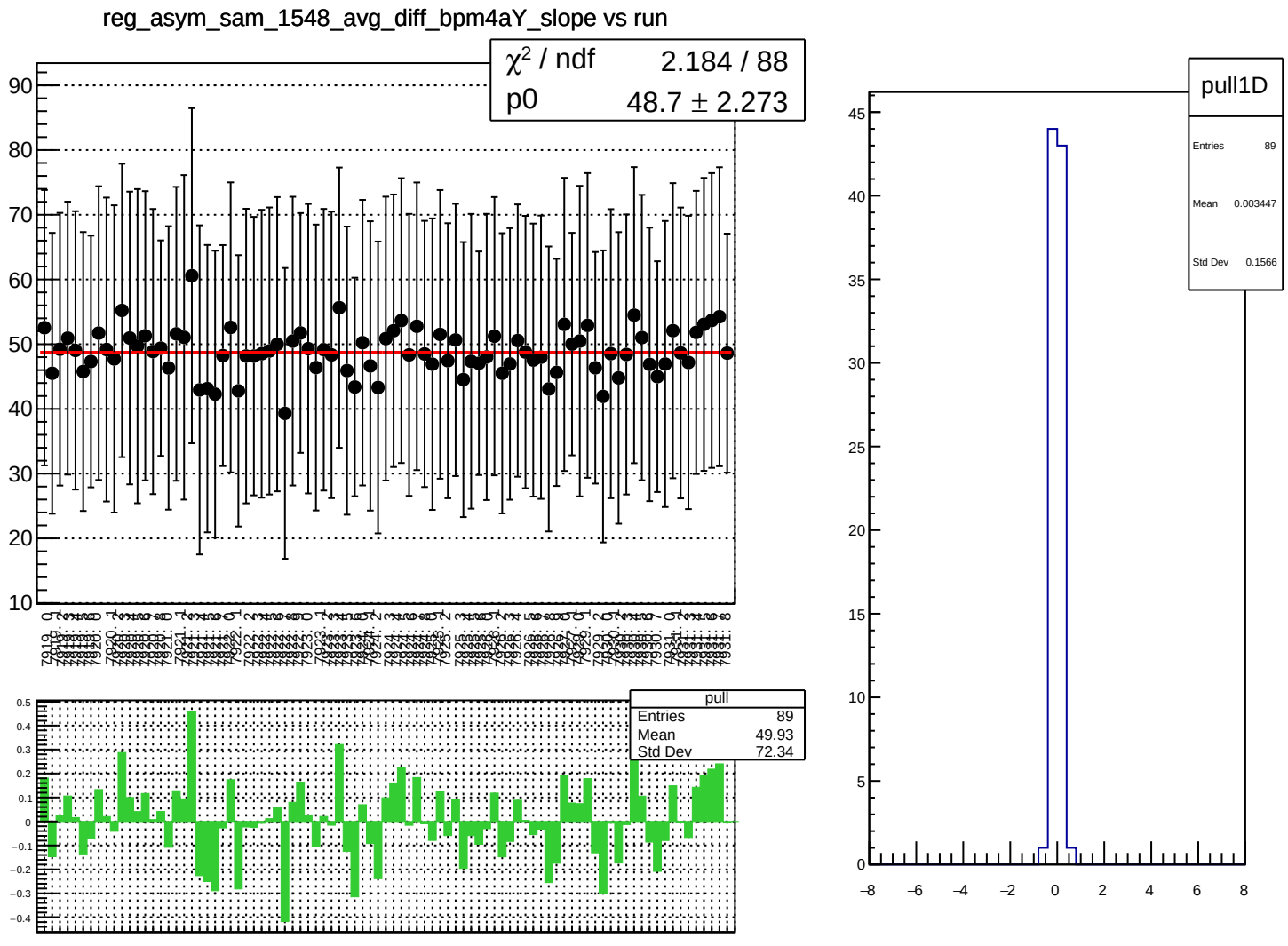

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.797 / 88
p0 −48.43 ± 0.9413
pull
Entries 89
Mean −44.44
Std Dev 117.4
pull1D
Entries 89
Mean −0.002157
Std Dev 0.2065

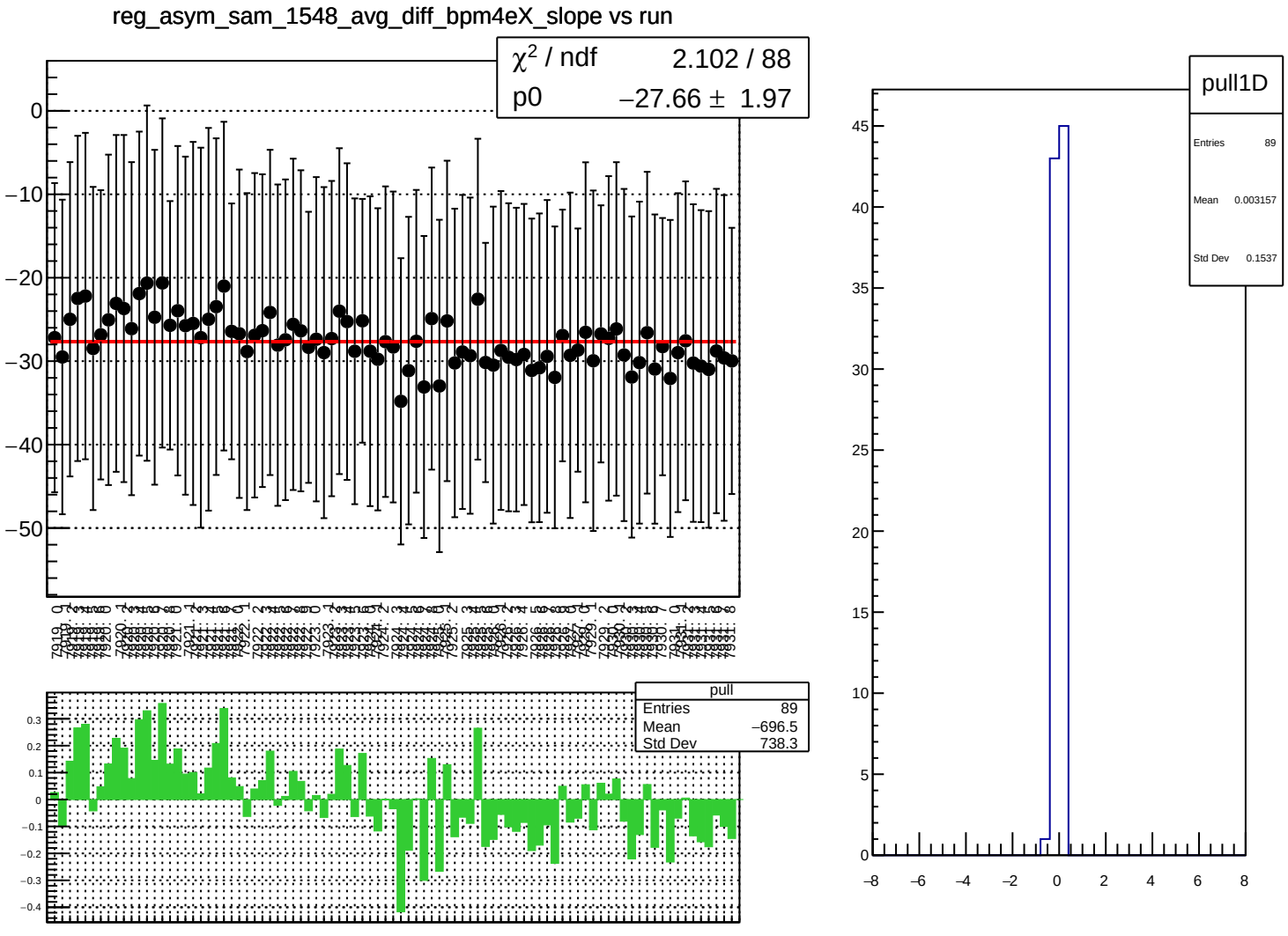

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.729 / 88
p0 17.48 ± 0.8164
pull
Entries 89
Mean −1510
Std Dev 1527
pull1D
Entries 89
Mean −0.0007061
Std Dev 0.2305

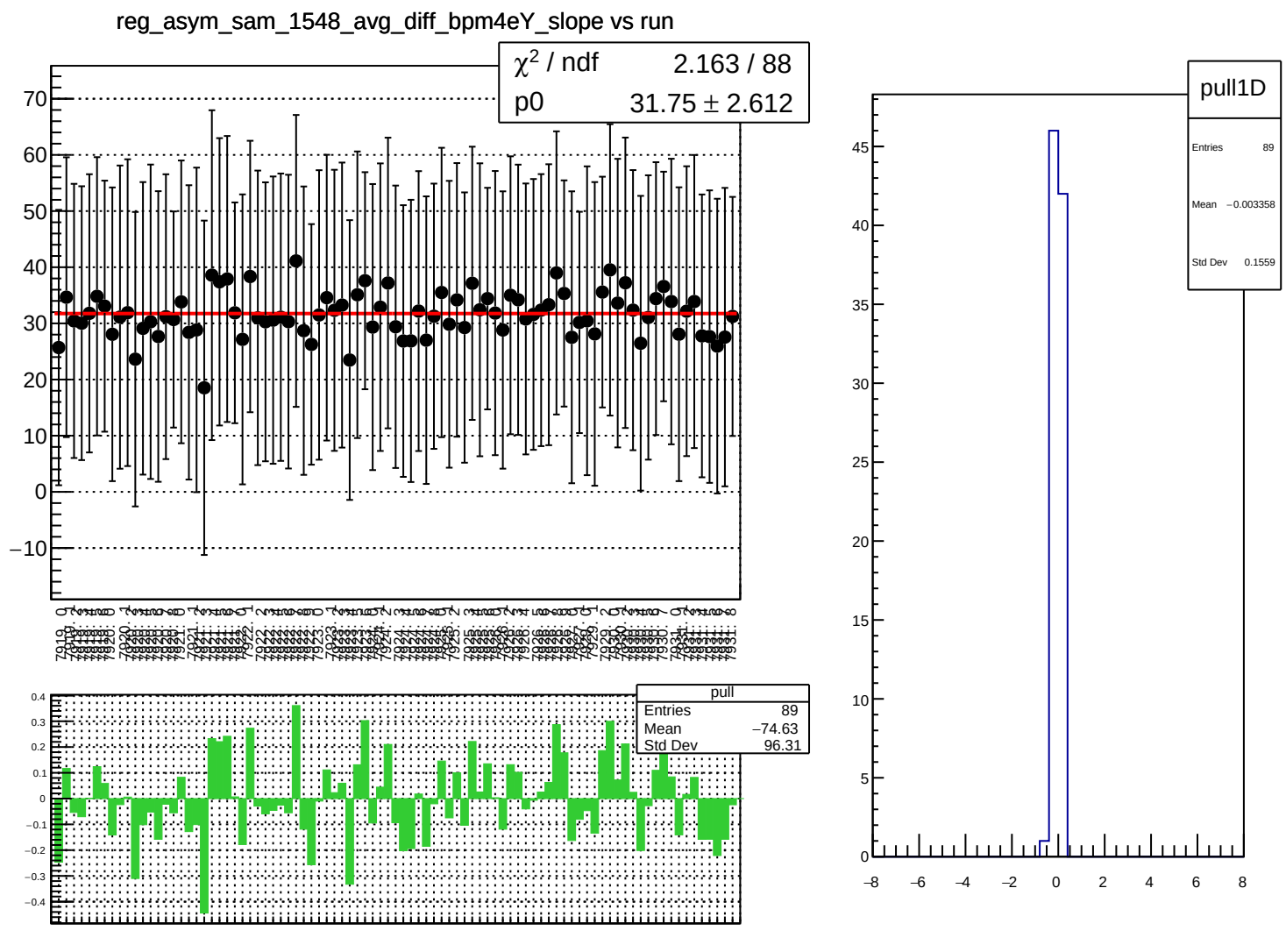

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.235 / 88
p0 −18.35 ± 1.082
pull
Entries 89
Mean −3026
Std Dev 3073
pull1D
Entries 89
Mean 0.000503
Std Dev 0.2181

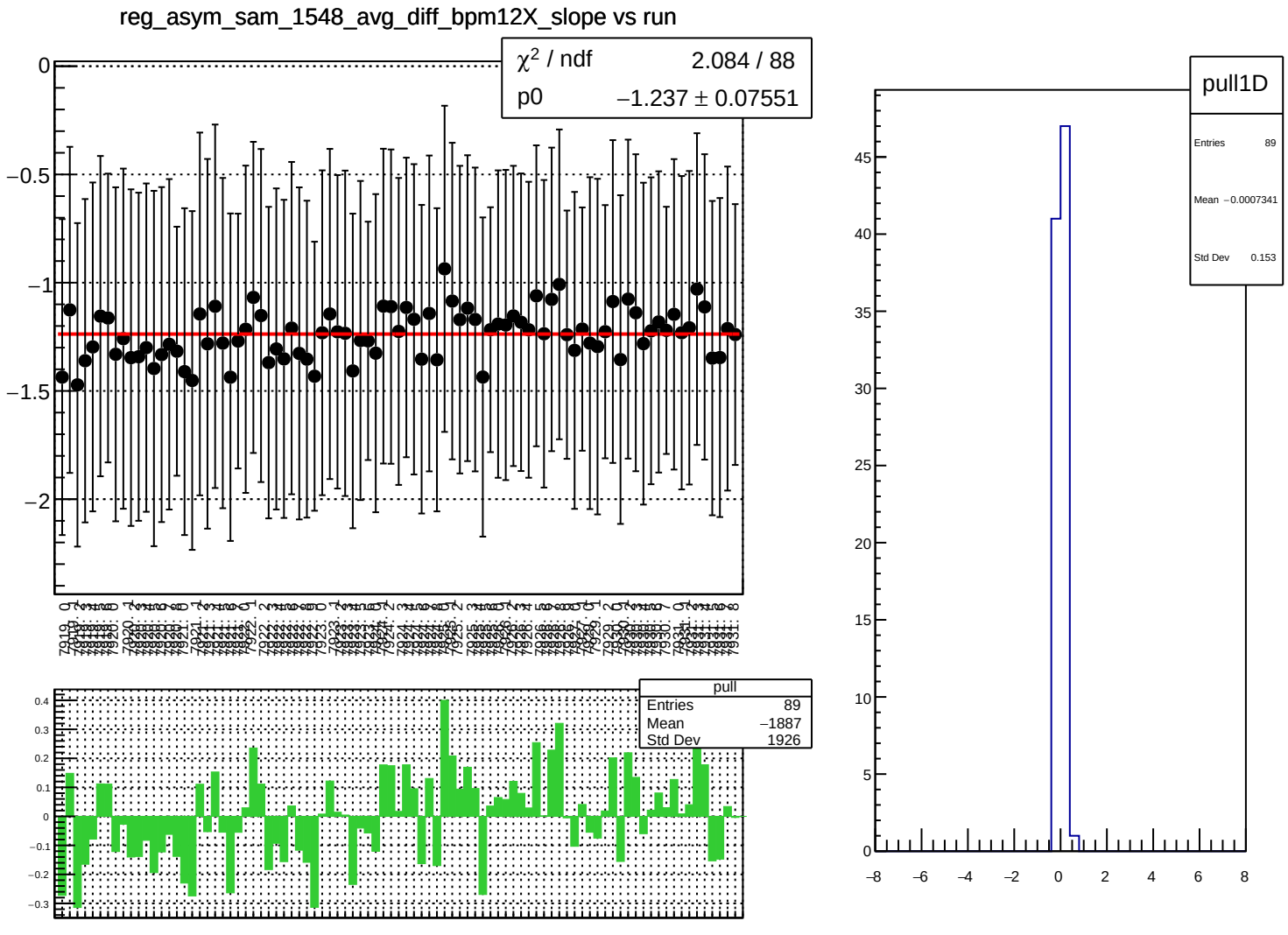

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.377 / 88
p0 1.407 ± 0.0313
pull
Entries 89
Mean 3.356e+04
Std Dev 3.352e+04
pull1D
Entries 89
Mean −5.79e−05
Std Dev 0.2458

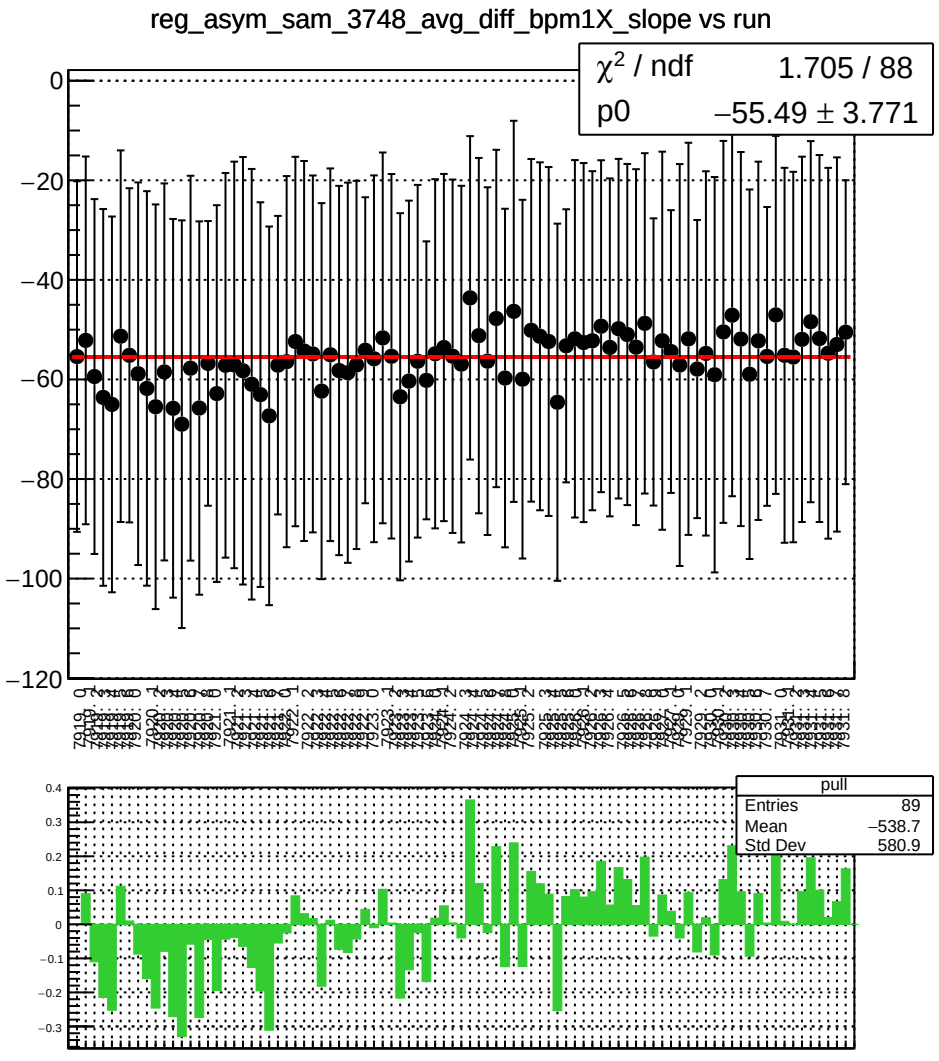

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 2.045 / 88
p0 −33.01 ± 2.203
pull
Entries 89
Mean −589.6
Std Dev 630.8
pull1D
Entries 89
Mean −0.003449
Std Dev 0.1516

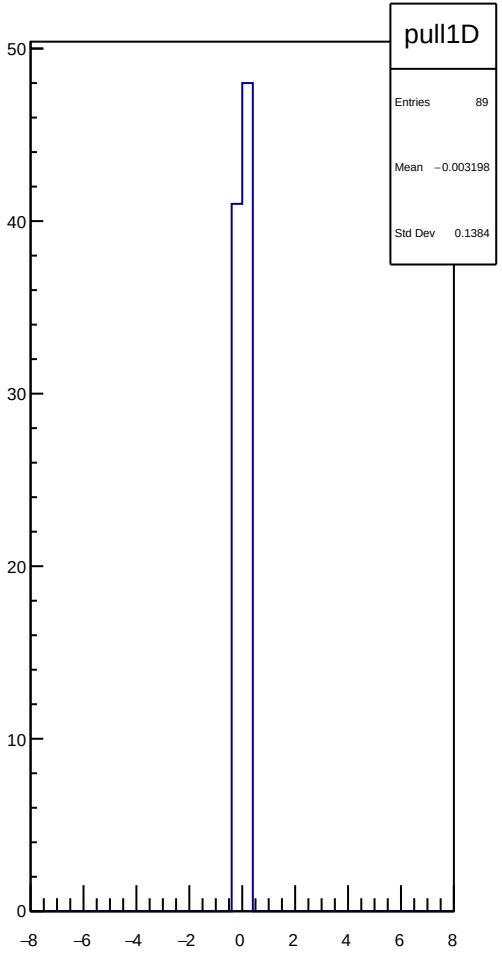

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.184 / 88
p0 48.7 ± 2.273
pull
Entries 89
Mean 49.93
Std Dev 72.34
pull1D
Entries 89
Mean 0.003447
Std Dev 0.1566

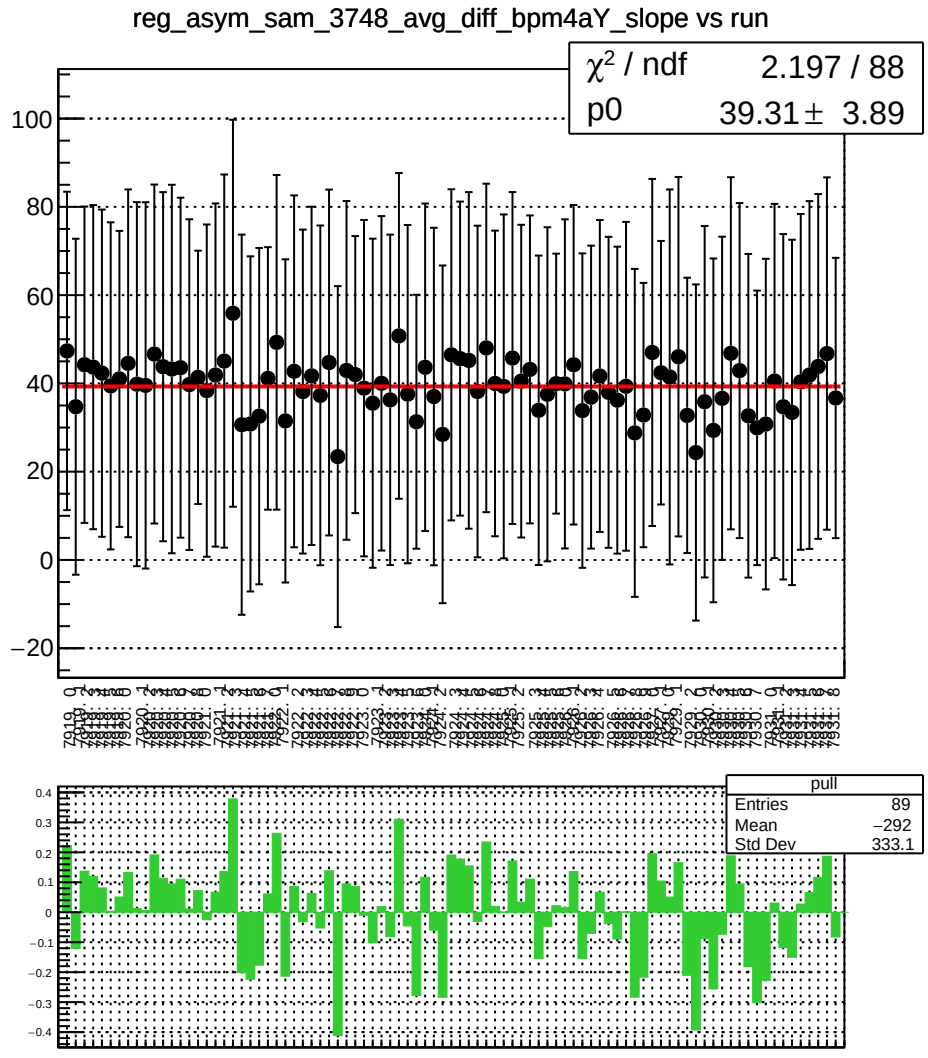

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.102 / 88
p0 −27.66 ± 1.97
pull
Entries 89
Mean −696.5
Std Dev 738.3
pull1D
Entries 89
Mean 0.003157
Std Dev 0.1537

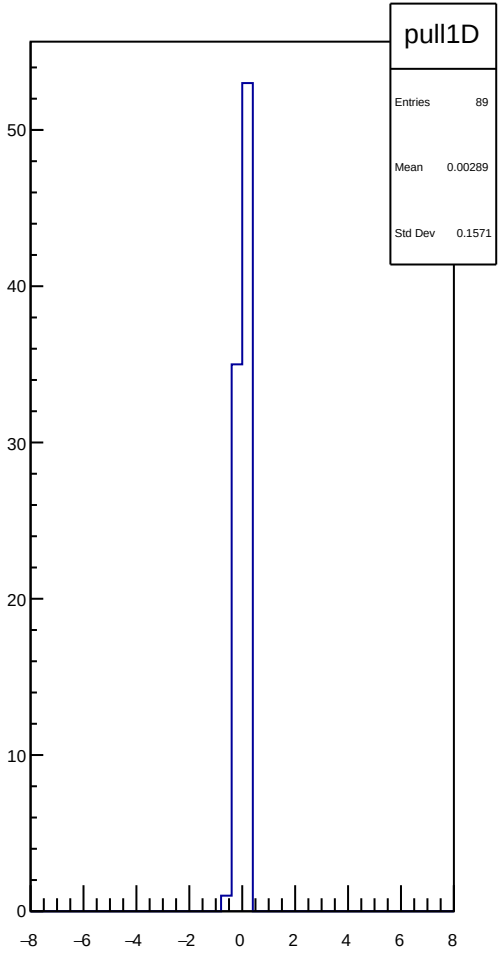

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.163 / 88
p0 31.75 ± 2.612
pull
Entries 89
Mean −74.63
Std Dev 96.31
pull1D
Entries 89
Mean −0.003358
Std Dev 0.1559

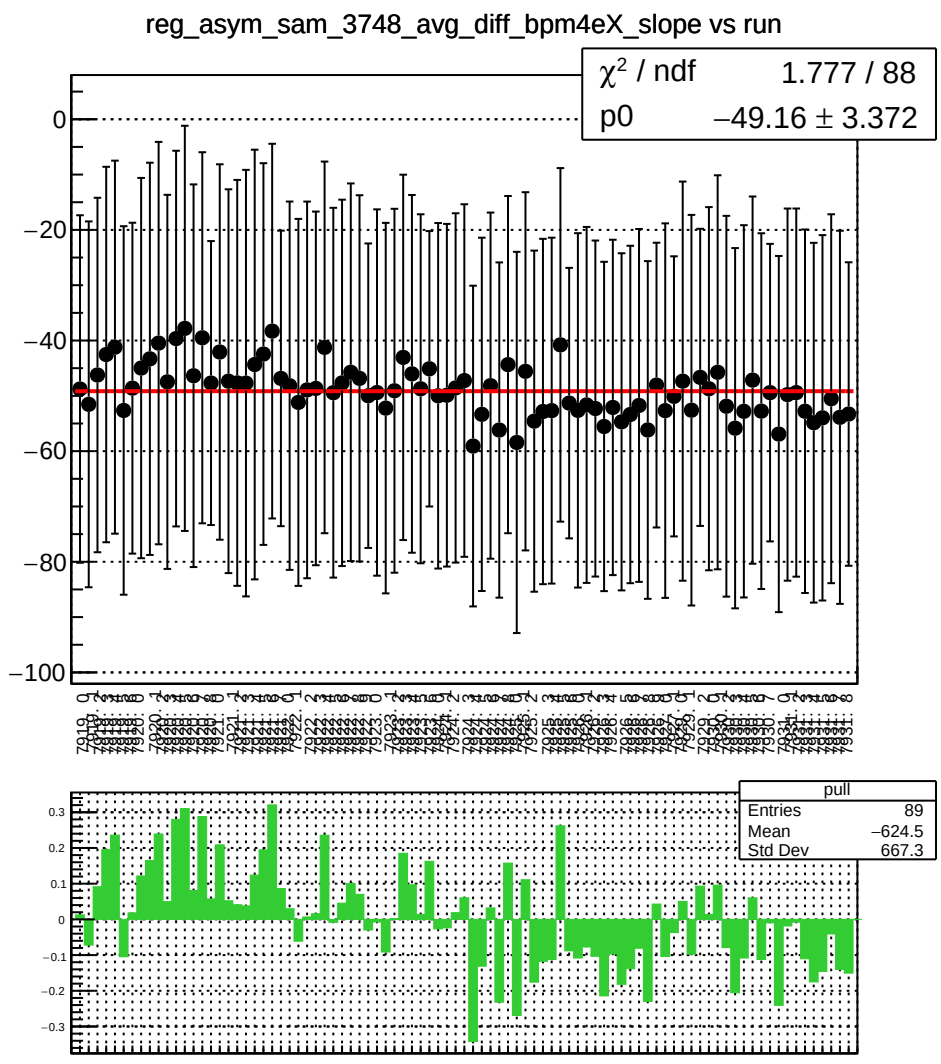

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 2.084 / 88
p0 −1.237 ± 0.07551
pull
Entries 89
Mean −1887
Std Dev 1926
pull1D
Entries 89
Mean −0.0007341
Std Dev 0.153

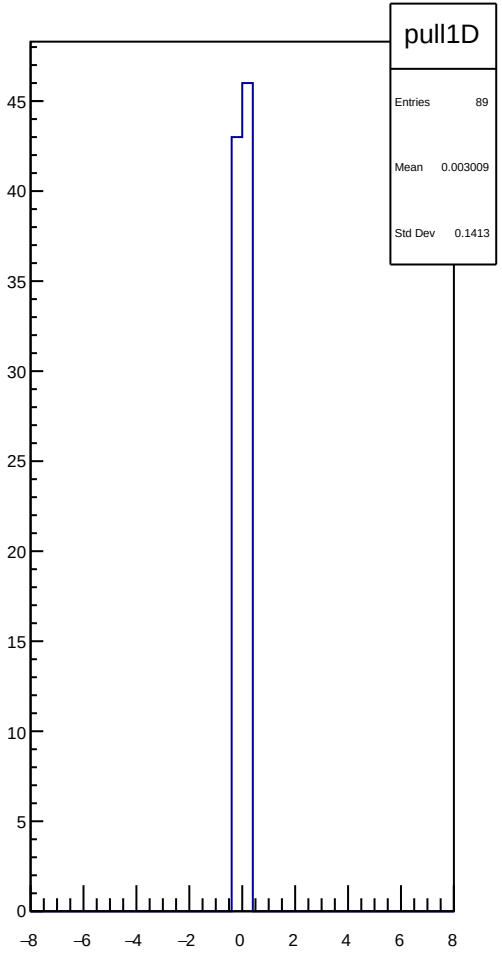

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 1.705 / 88
p0 −55.49 ± 3.771
pull
Entries 89
Mean −538.7
Std Dev 580.9

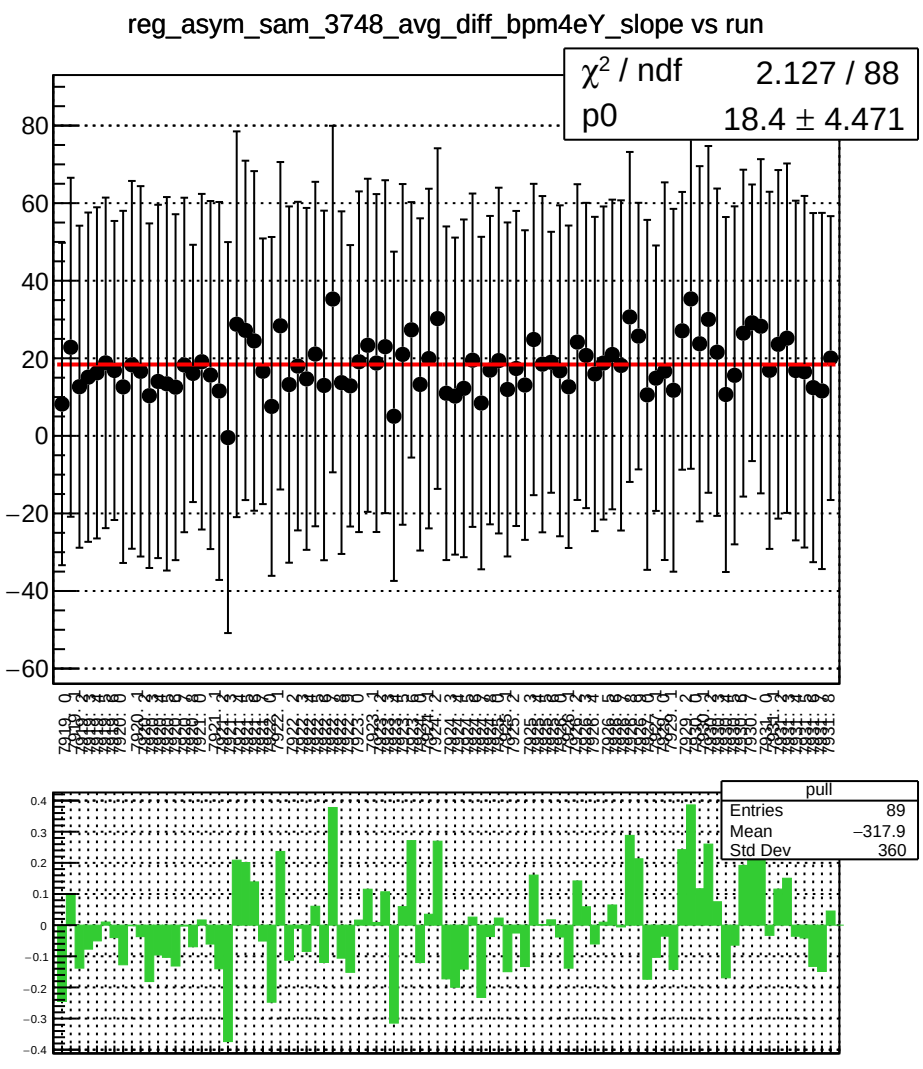

pull1D
Entries 89
Mean −0.003198
Std Dev 0.1384

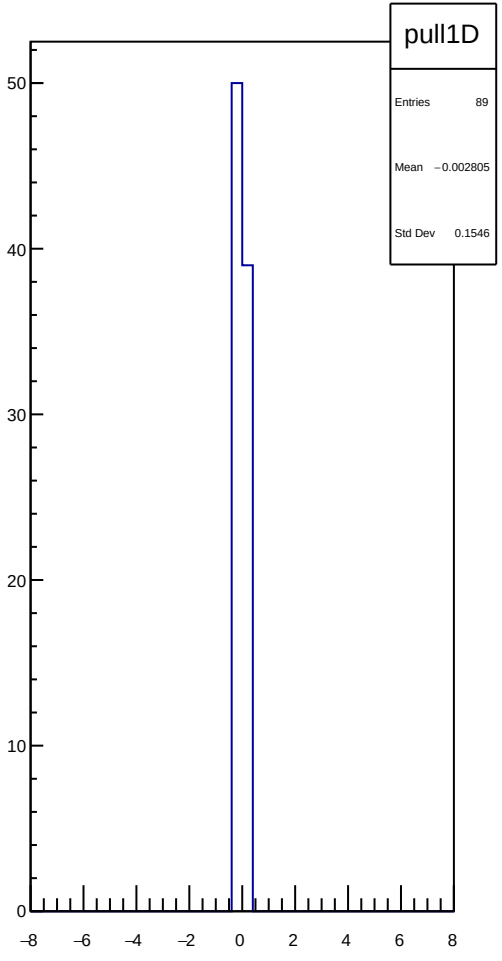

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.197 / 88
p0 39.31 ± 3.89
pull
Entries 89
Mean −292
Std Dev 333.1

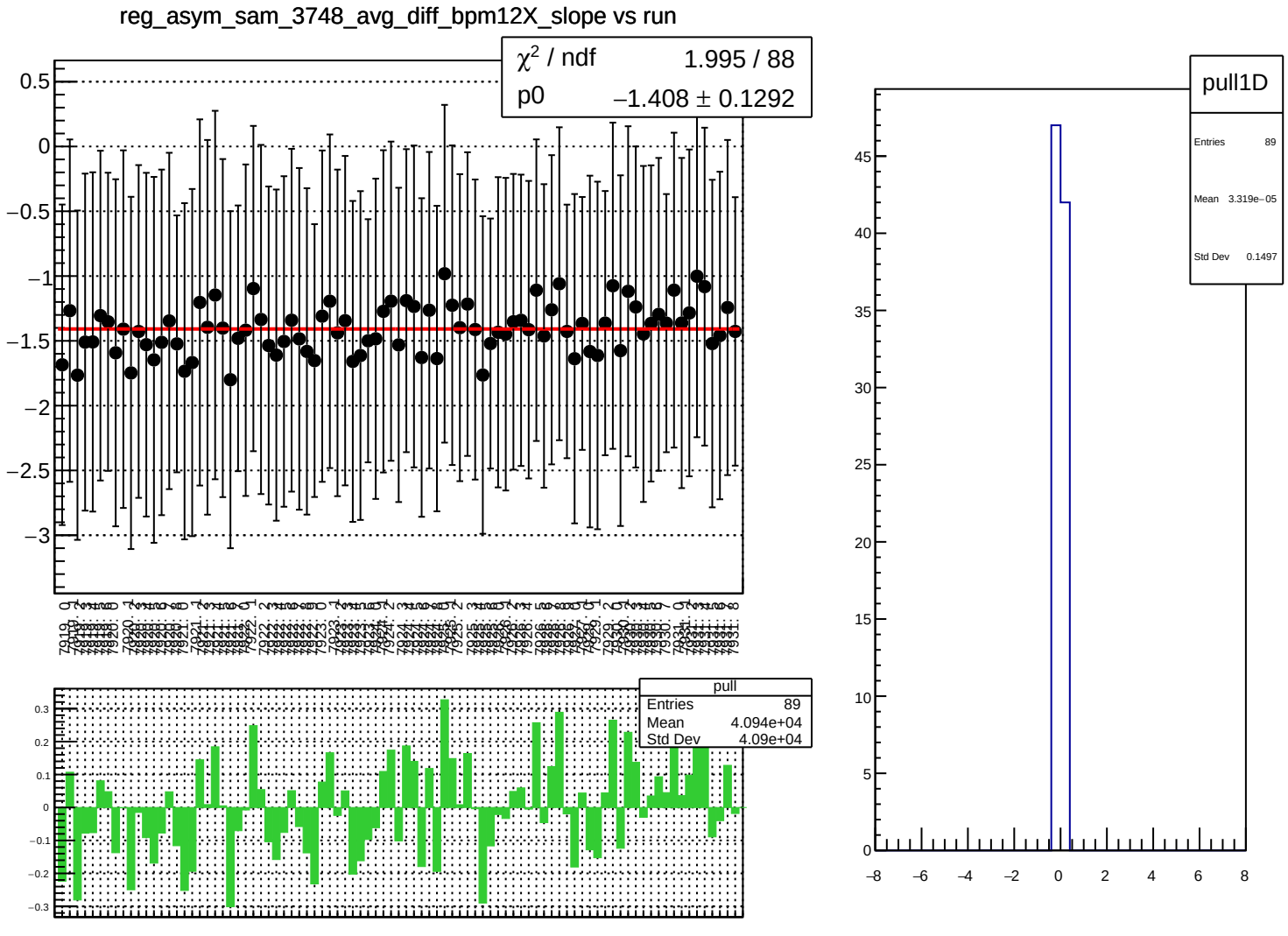

pull1D
Entries 89
Mean 0.00289
Std Dev 0.1571

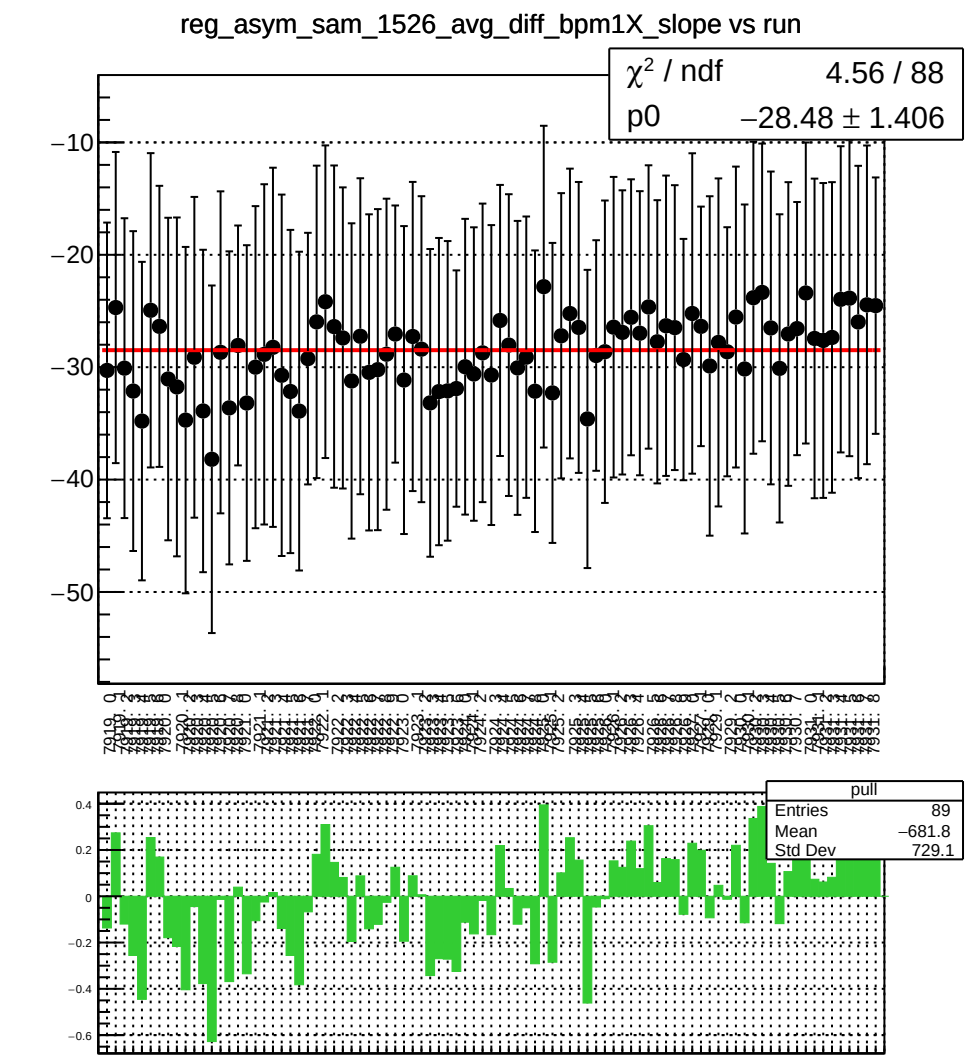

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.777 / 88
p0 −49.16 ± 3.372
pull
Entries 89
Mean −624.5
Std Dev 667.3

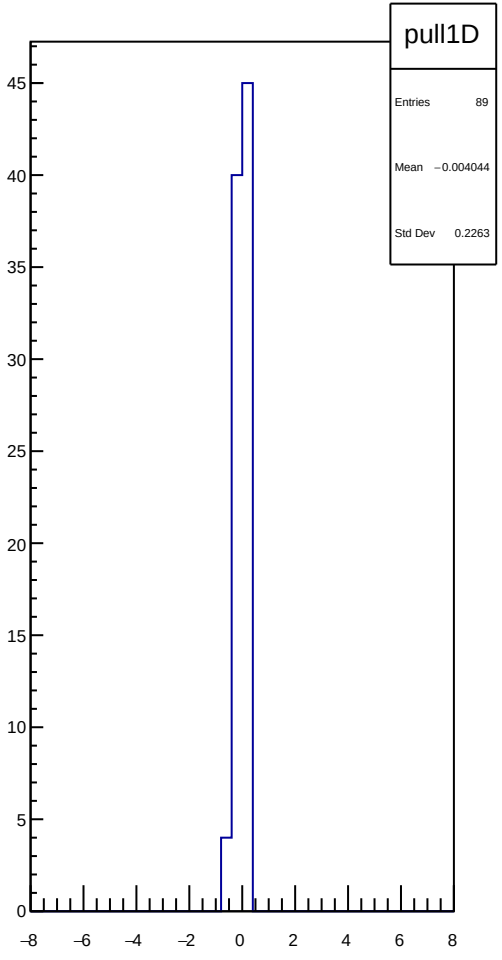

pull1D
Entries 89
Mean 0.003009
Std Dev 0.1413

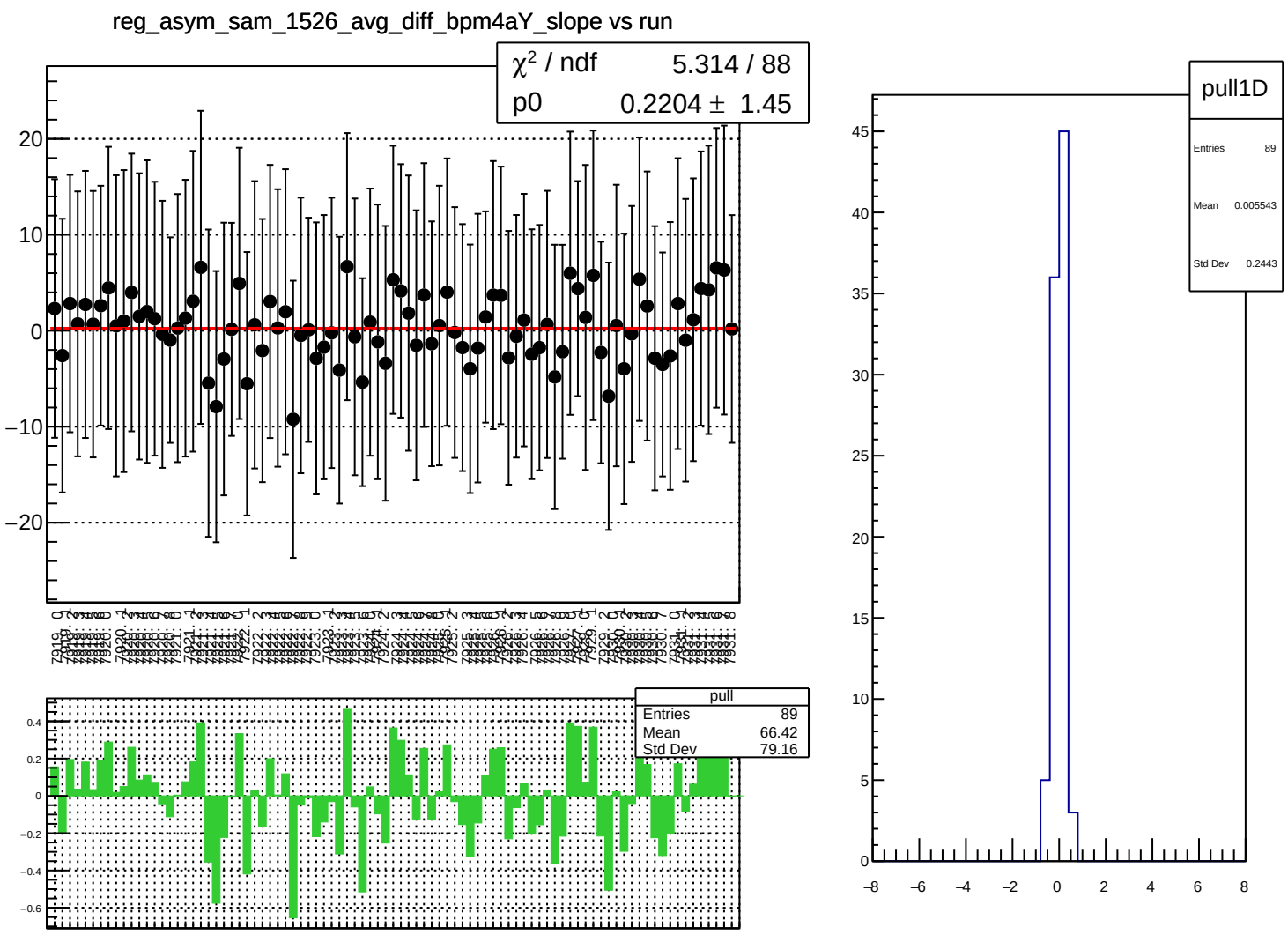

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.127 / 88
p0 18.4 ± 4.471
pull
Entries 89
Mean −317.9
Std Dev 360

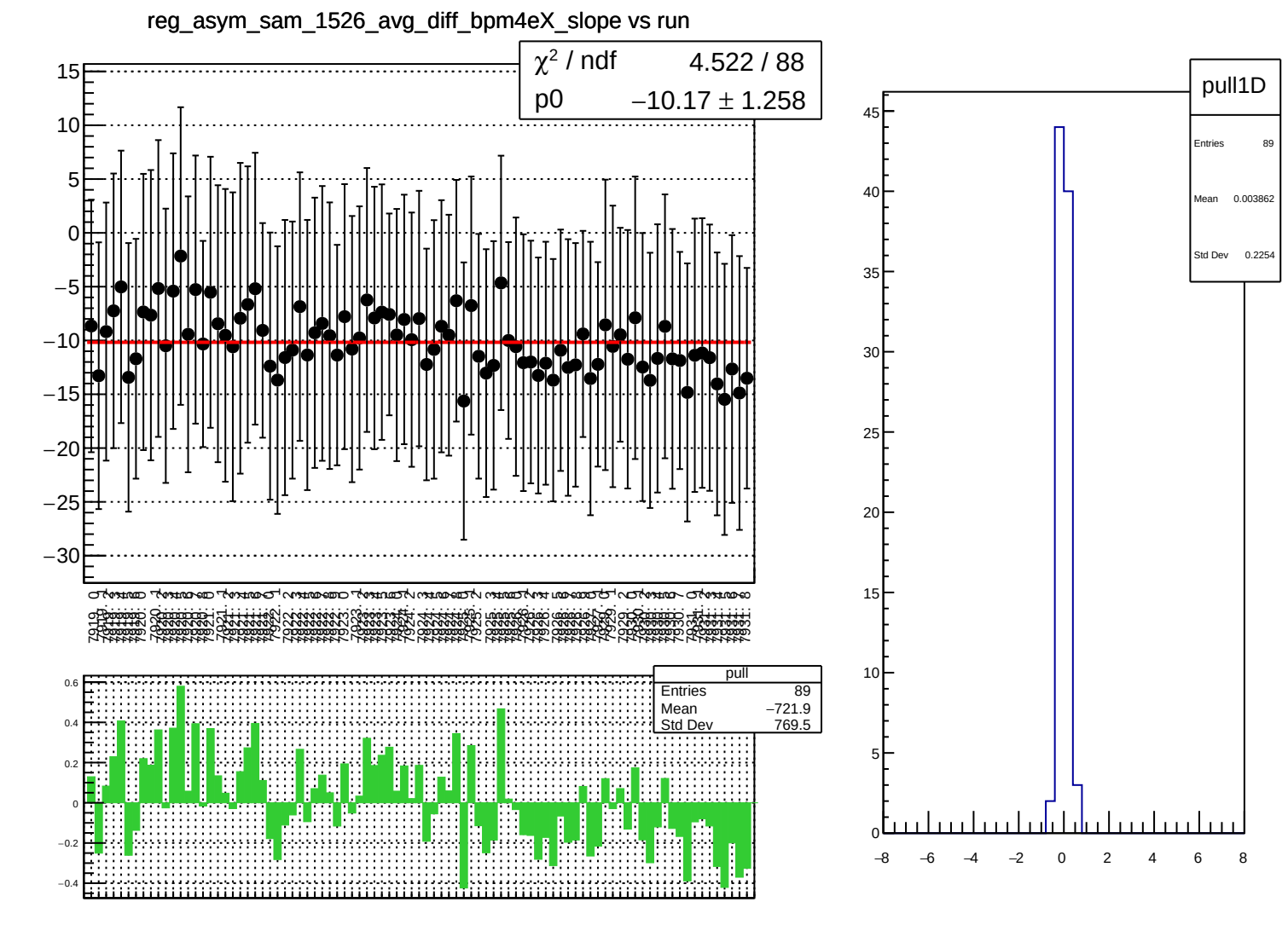

pull1D
Entries 89
Mean −0.002805
Std Dev 0.1546

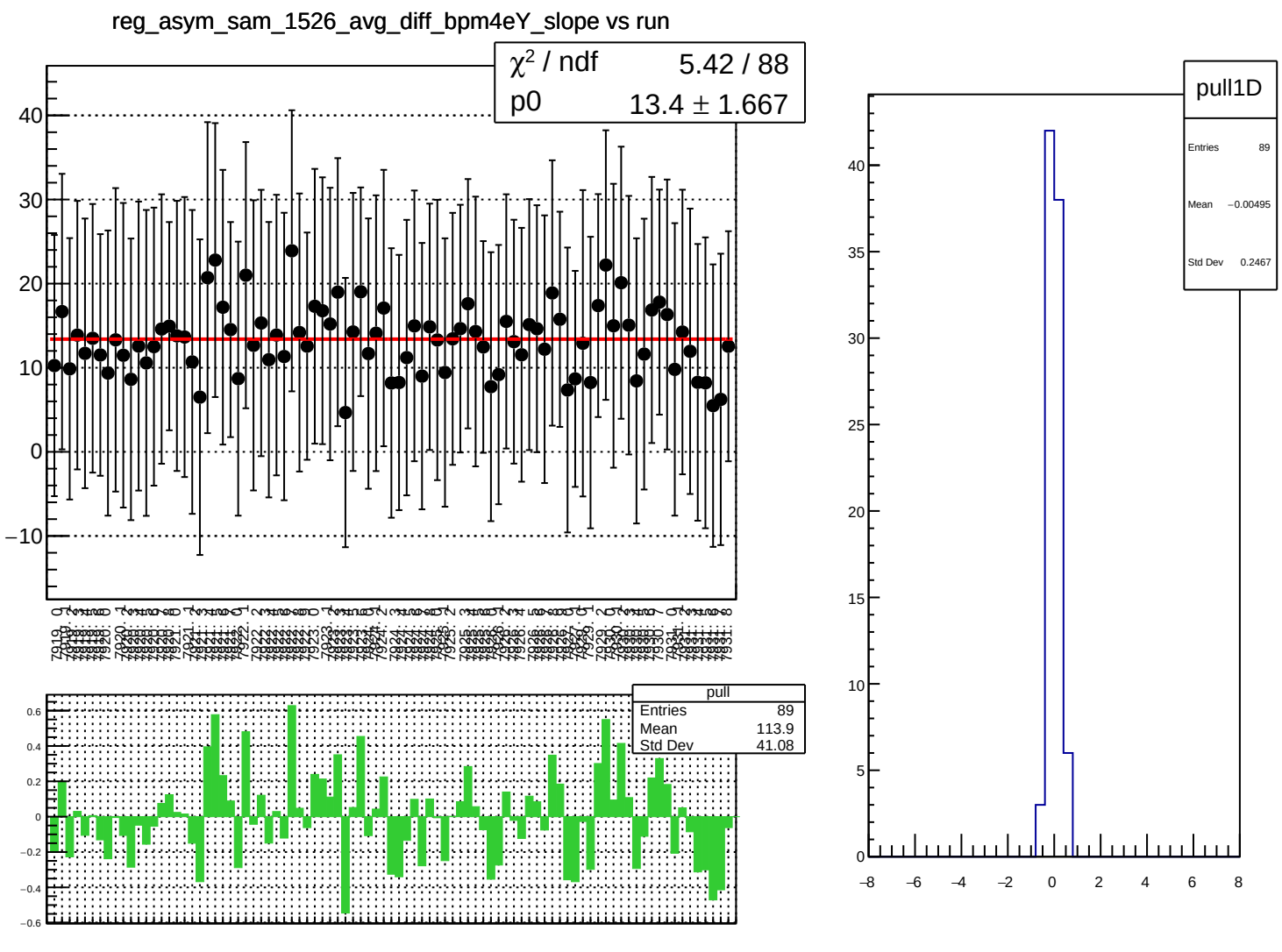

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 1.995 / 88
p0 −1.408 ± 0.1292
pull
Entries 89
Mean 4.094e+04
Std Dev 4.09e+04
pull1D
Entries 89
Mean 3.319e−05
Std Dev 0.1497

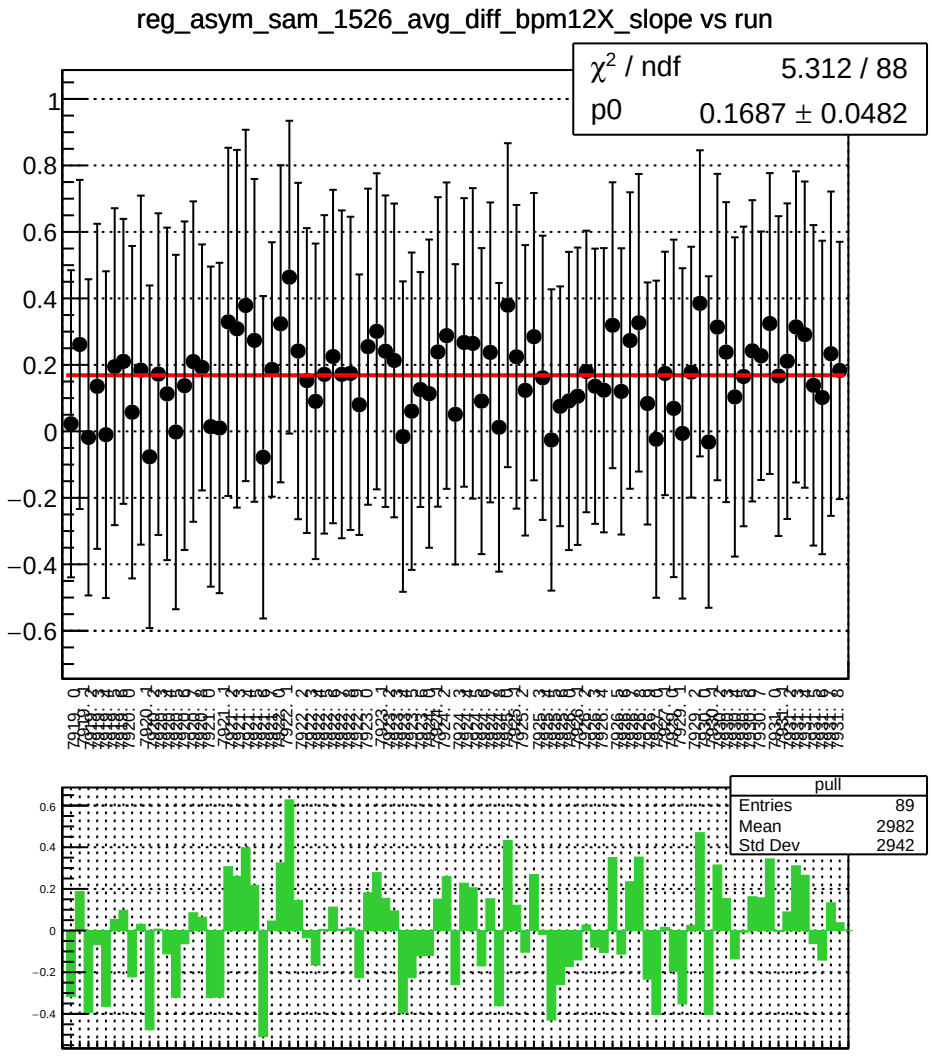

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 4.56 / 88
p0 −28.48 ± 1.406
pull
Entries 89
Mean −681.8
Std Dev 729.1

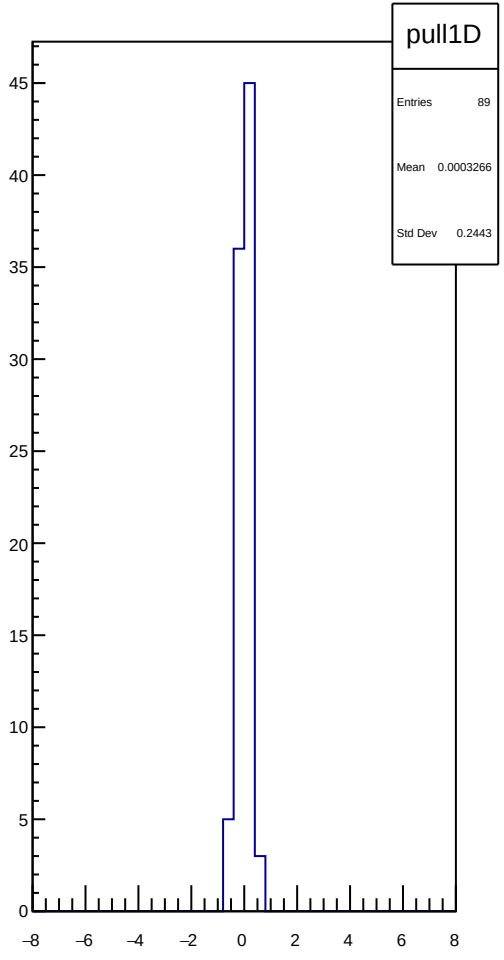

pull1D
Entries 89
Mean −0.004044
Std Dev 0.2263

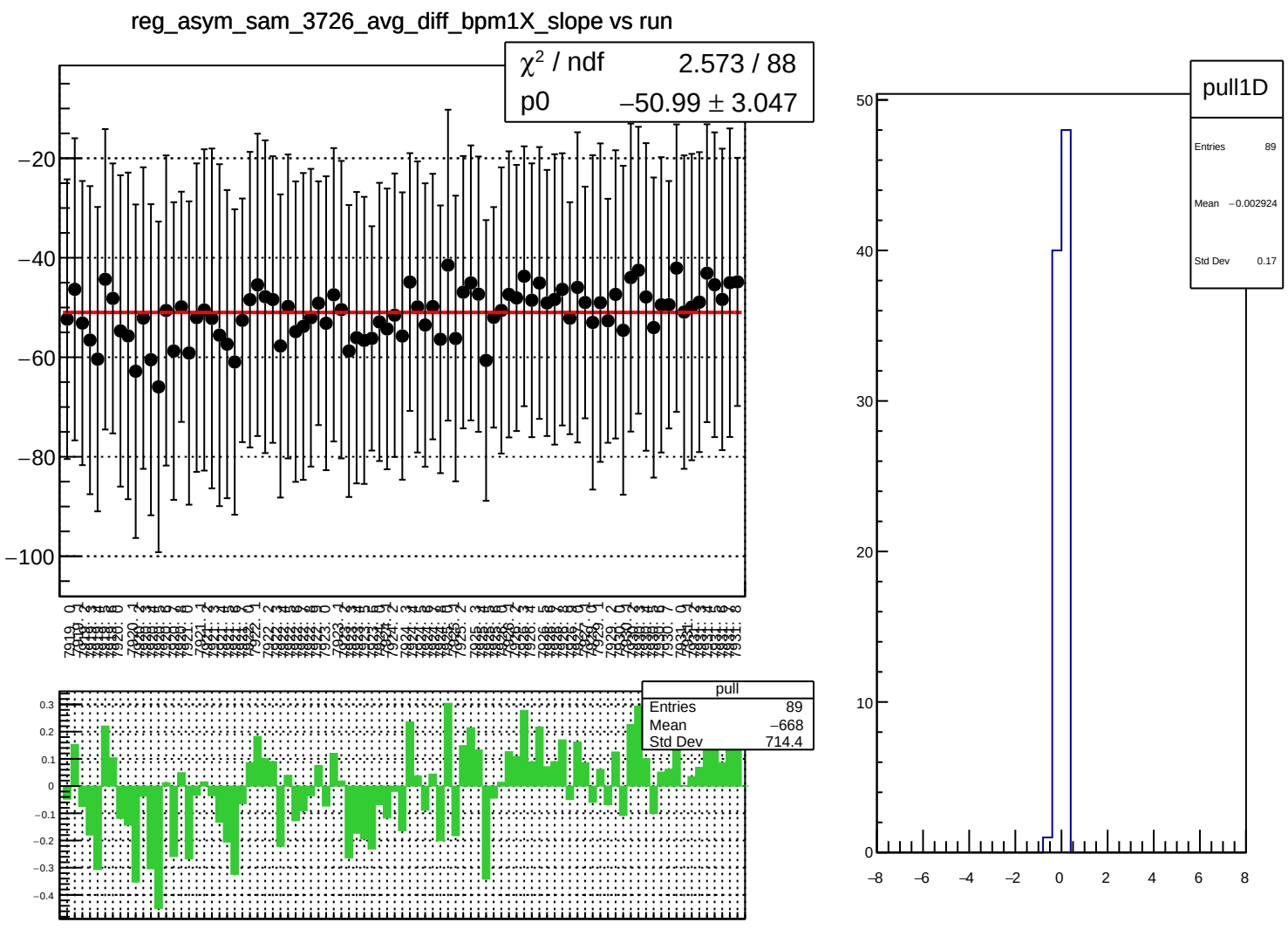

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.314 / 88
p0 0.2204 ± 1.45
pull
Entries 89
Mean 66.42
Std Dev 79.16
pull1D
Entries 89
Mean 0.005543
Std Dev 0.2443

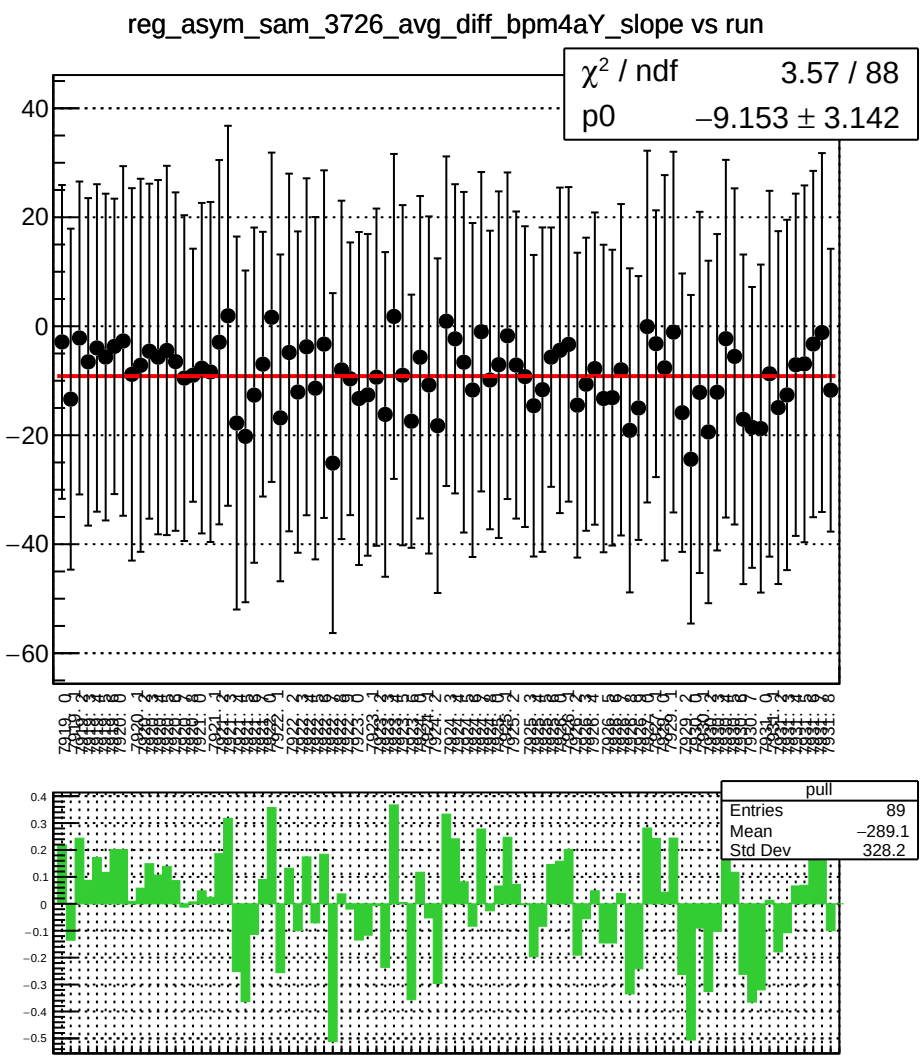

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.522 / 88
p0 −10.17 ± 1.258
pull
Entries 89
Mean −721.9
Std Dev 769.5
pull1D
Entries 89
Mean 0.003862
Std Dev 0.2254

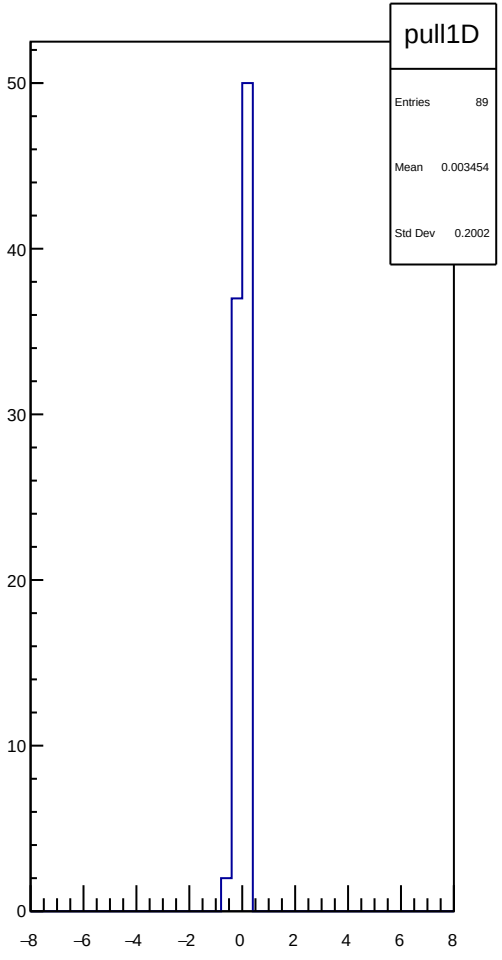

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.42 / 88
p0 13.4 ± 1.667
pull
Entries 89
Mean 113.9
Std Dev 41.08
pull1D
Entries 89
Mean −0.00495
Std Dev 0.2467

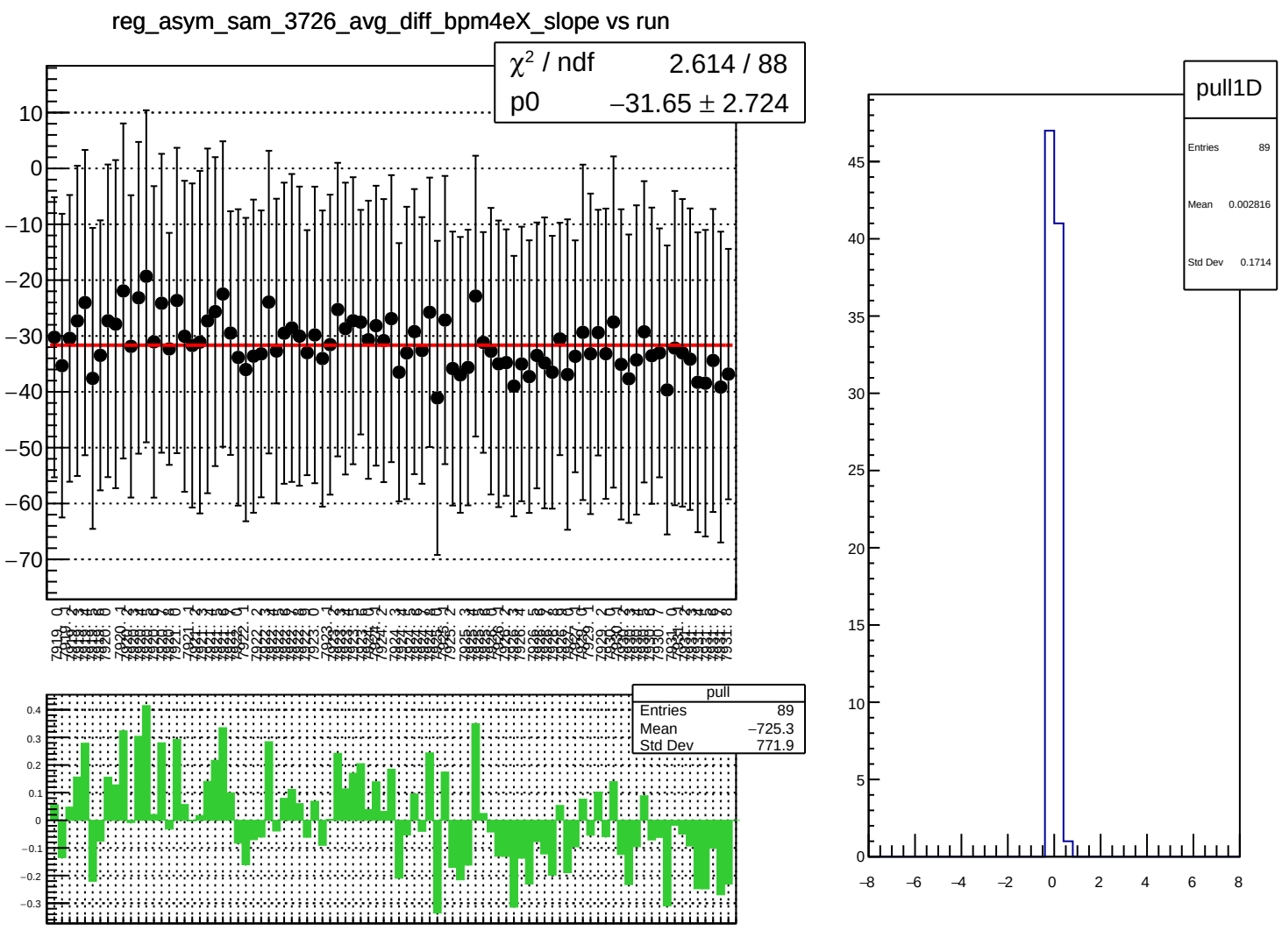

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 5.312 / 88
p0 0.1687 ± 0.0482
pull
Entries 89
Mean 2982
Std Dev 2942

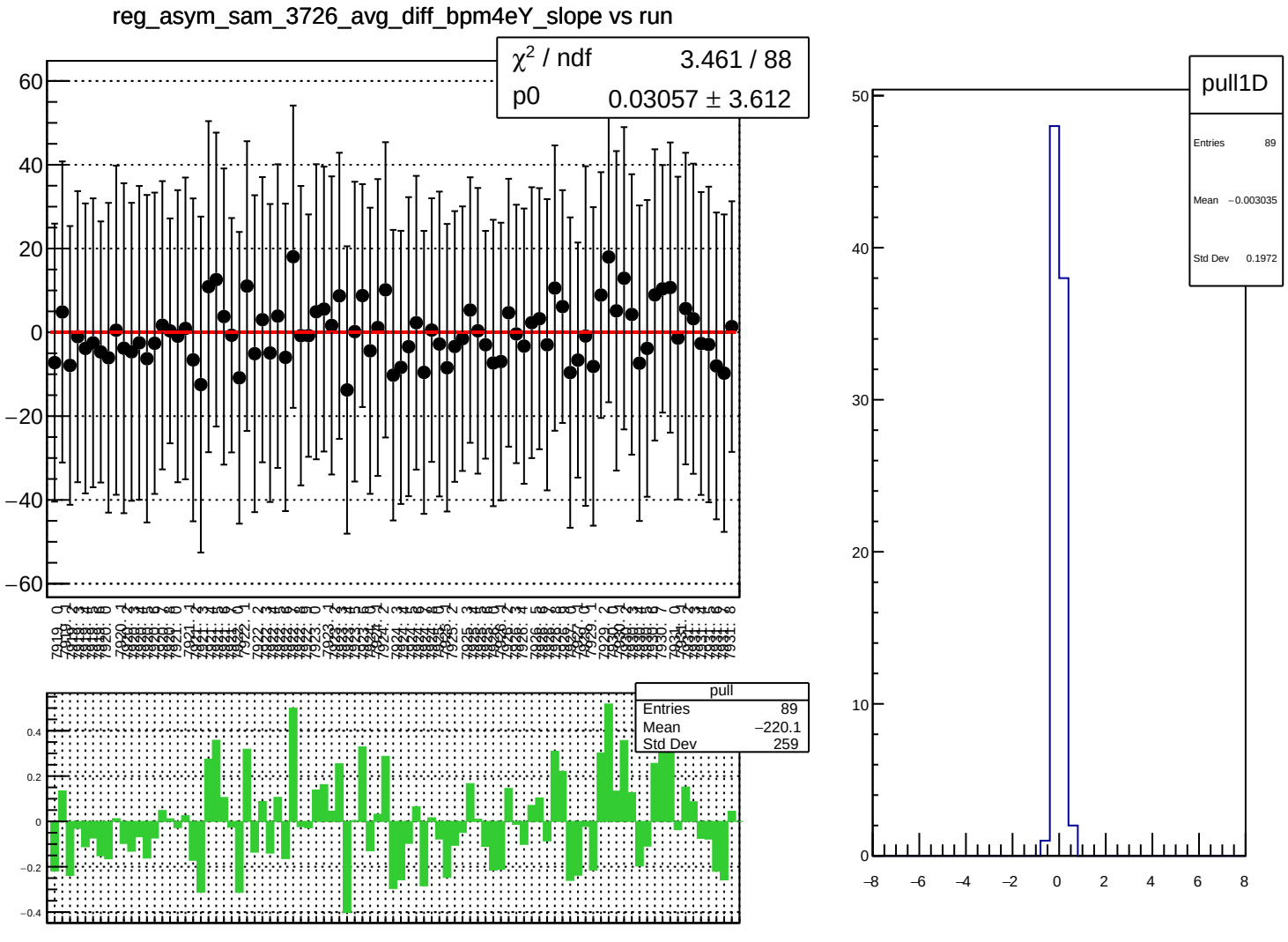

pull1D
Entries 89
Mean 0.0003266
Std Dev 0.2443

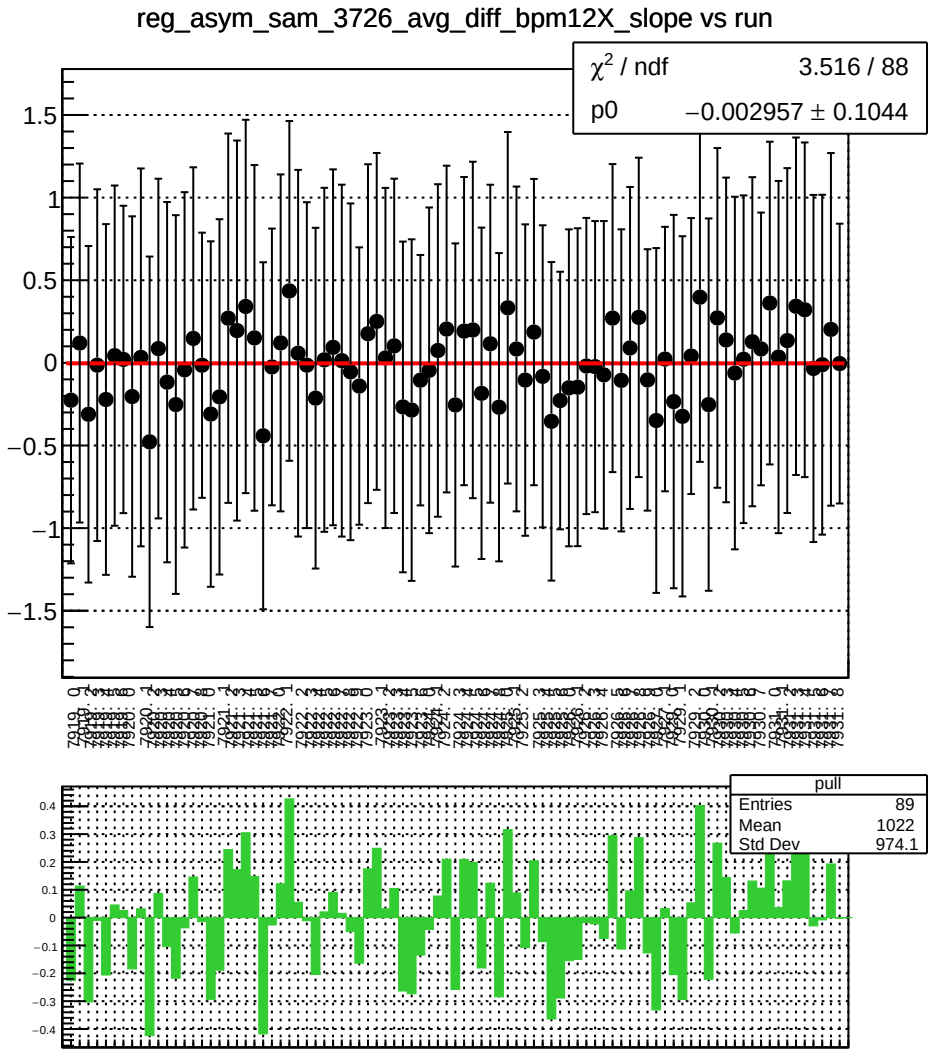

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 2.573 / 88
p0 −50.99 ± 3.047
pull
Entries 89
Mean −668
Std Dev 714.4
pull1D
Entries 89
Mean −0.002924
Std Dev 0.17

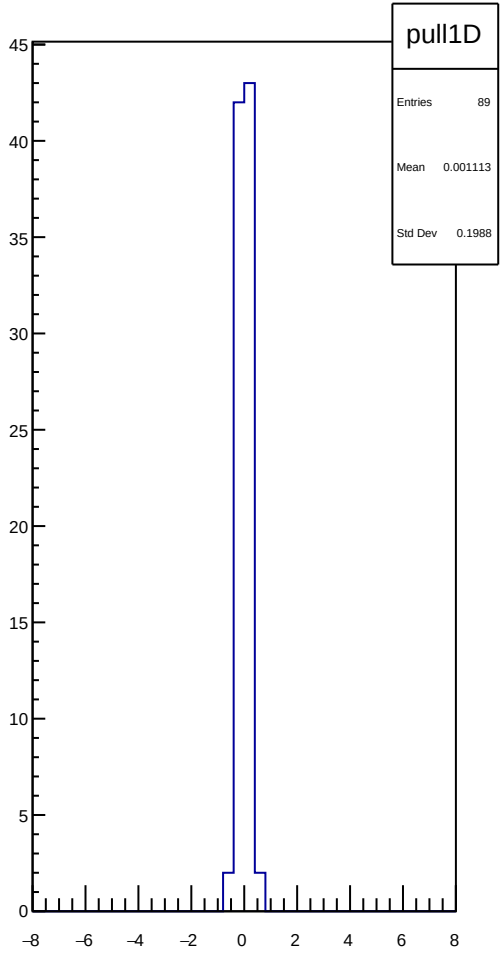

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.57 / 88
p0 −9.153 ± 3.142
pull
Entries 89
Mean −289.1
Std Dev 328.2

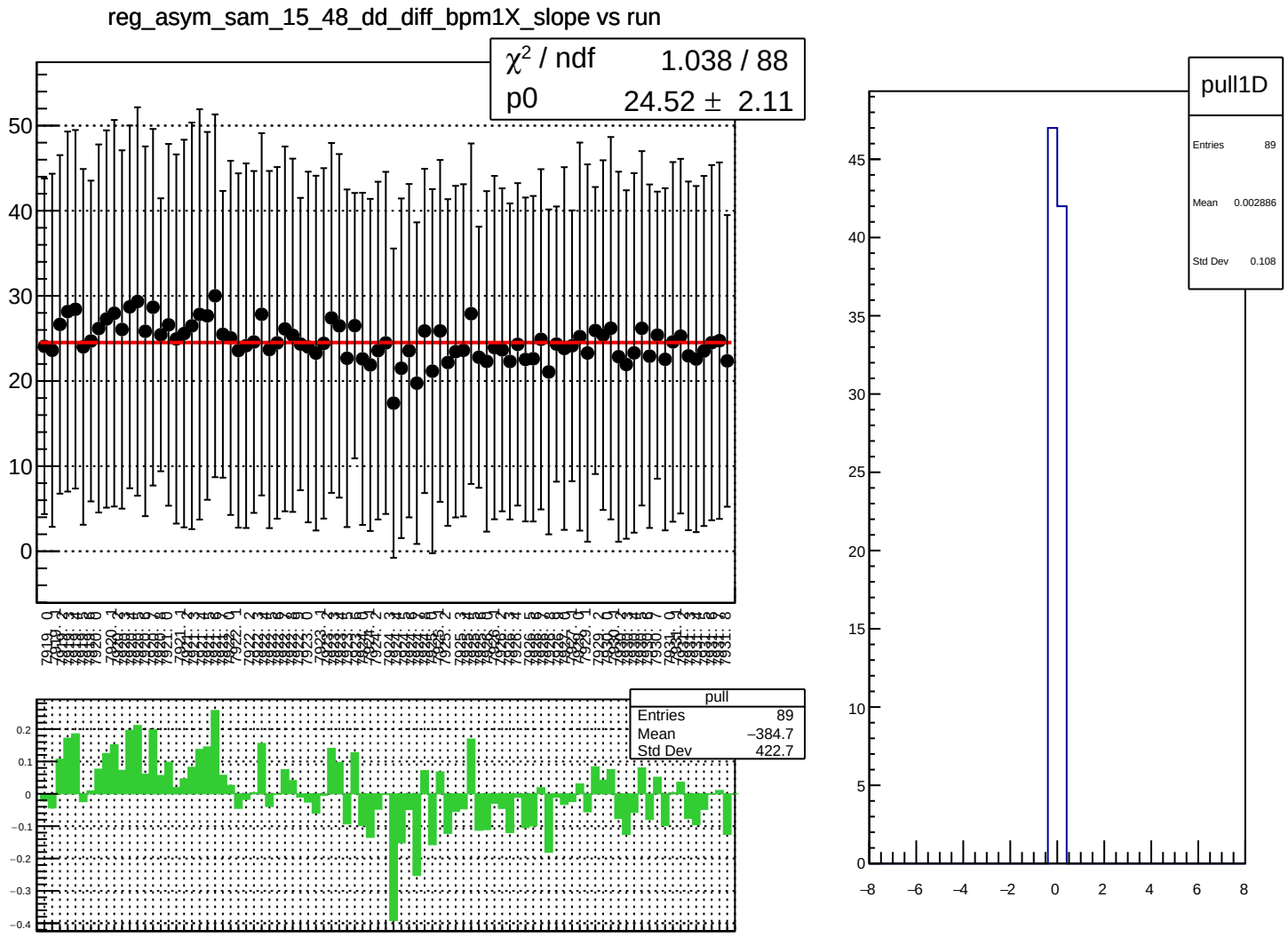

pull1D
Entries 89
Mean 0.003454
Std Dev 0.2002

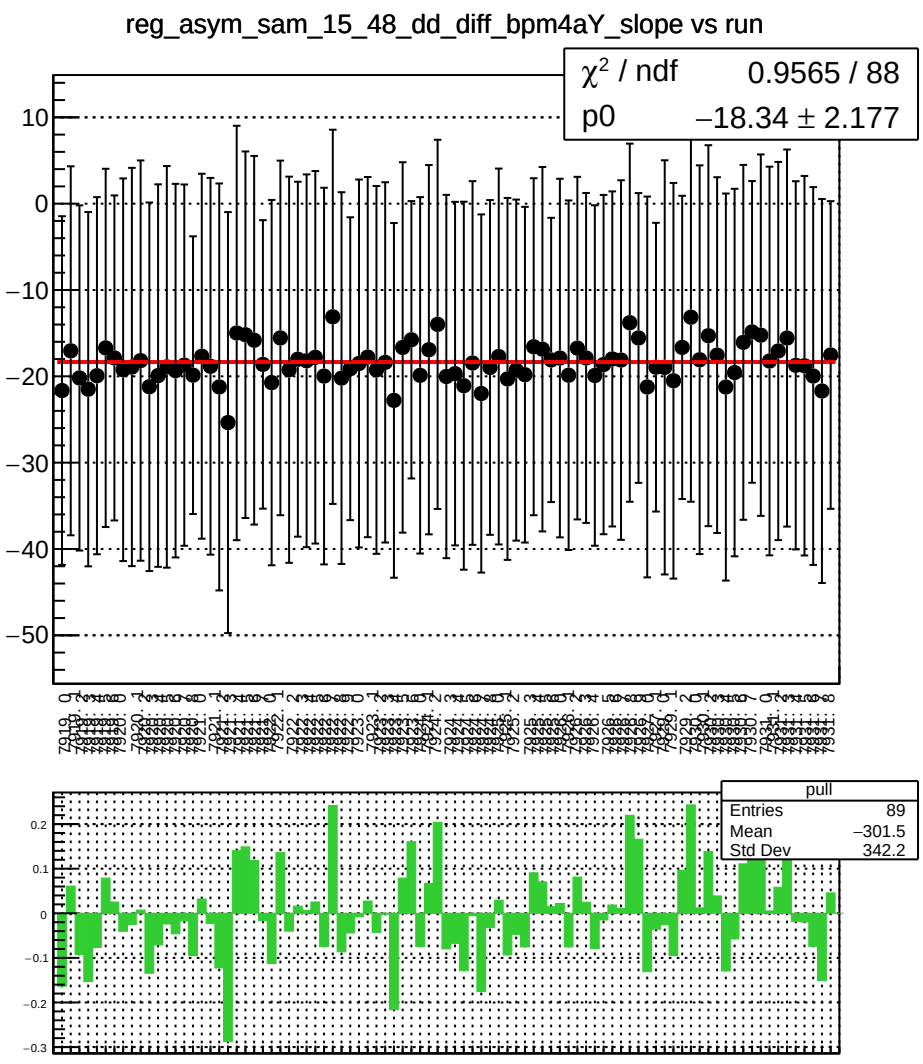

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.614 / 88
p0 −31.65 ± 2.724
pull
Entries 89
Mean −725.3
Std Dev 771.9
pull1D
Entries 89
Mean 0.002816
Std Dev 0.1714

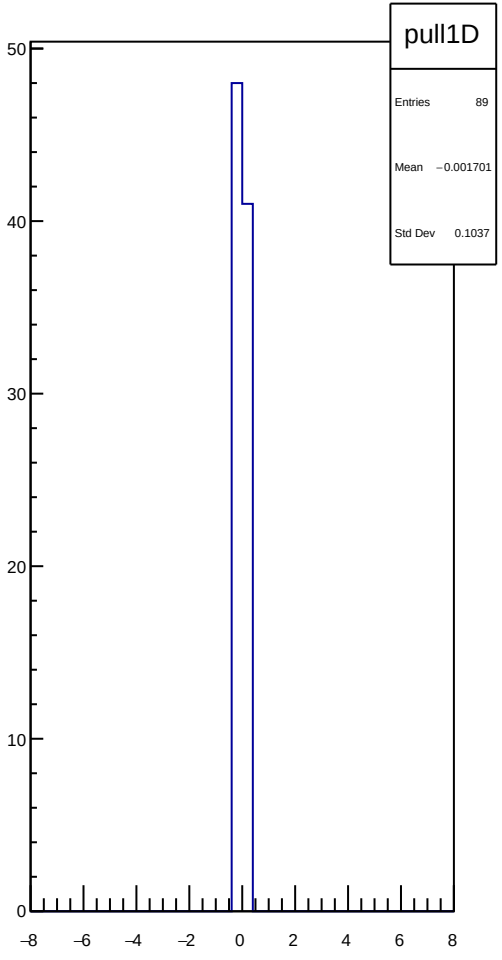

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.461 / 88
p0 0.03057 ± 3.612
pull
Entries 89
Mean −220.1
Std Dev 259
pull1D
Entries 89
Mean −0.003035
Std Dev 0.1972

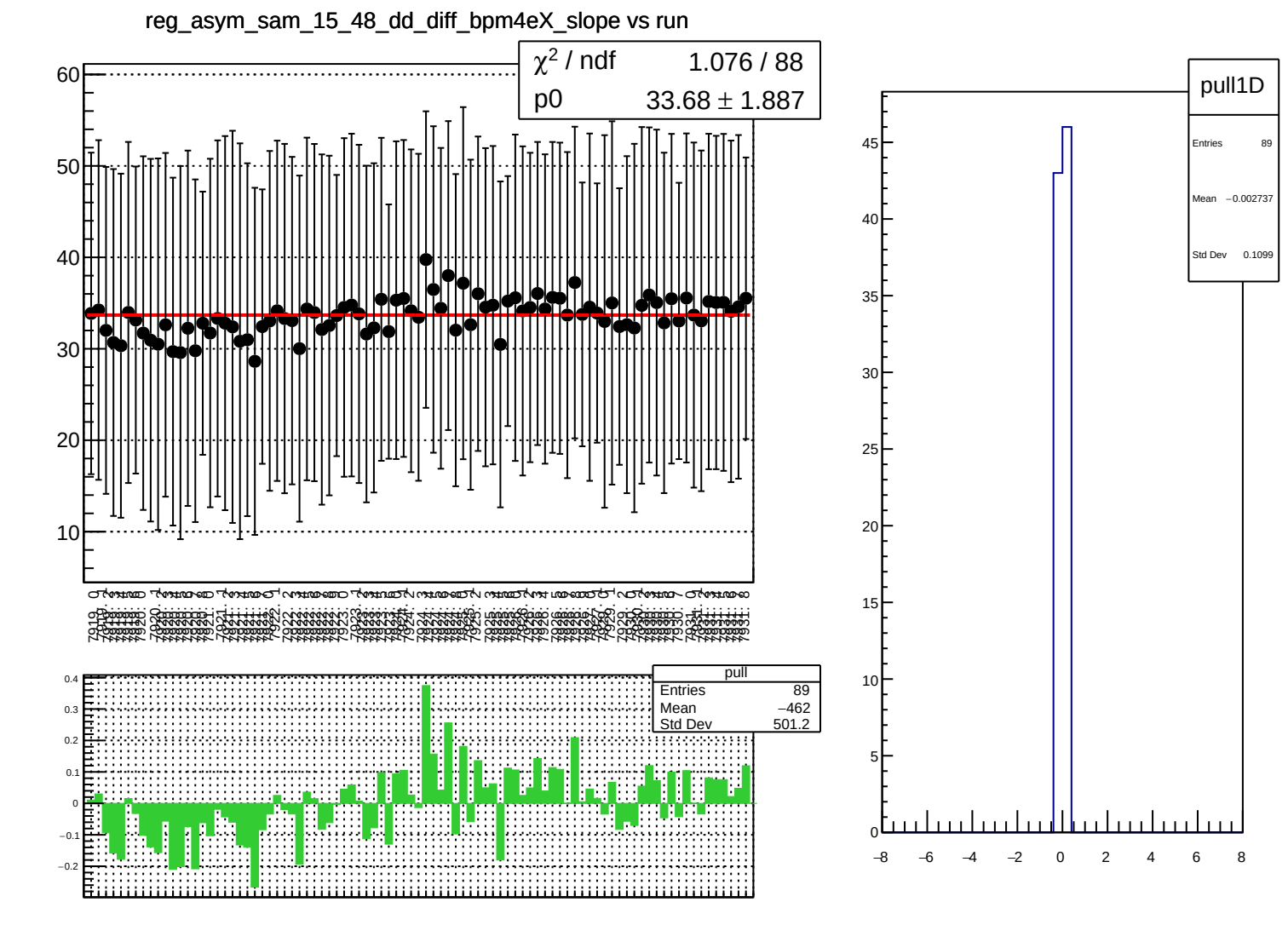

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.516 / 88
p0 −0.002957 ± 0.1044
pull
Entries 89
Mean 1022
Std Dev 974.1

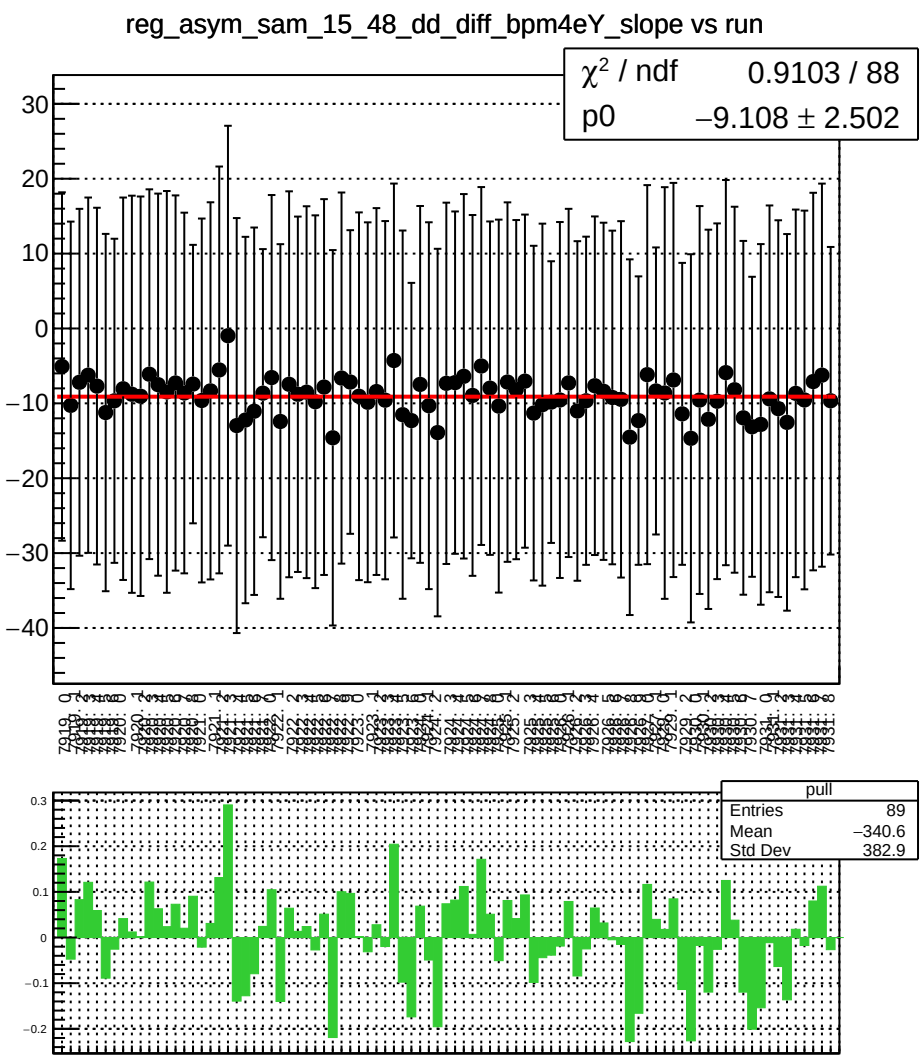

pull1D
Entries 89
Mean 0.001113
Std Dev 0.1988

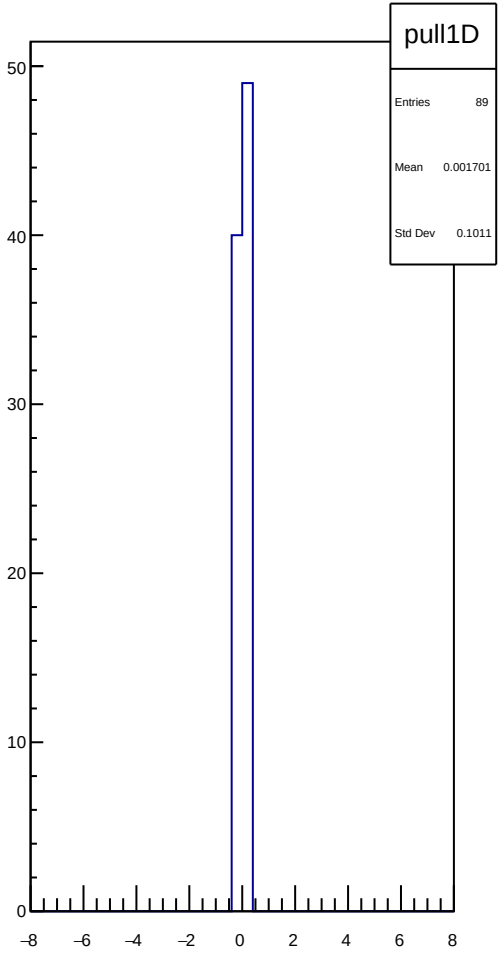

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.038 / 88
p0 24.52 ± 2.11
pull
Entries 89
Mean −384.7
Std Dev 422.7
pull1D
Entries 89
Mean 0.002886
Std Dev 0.108

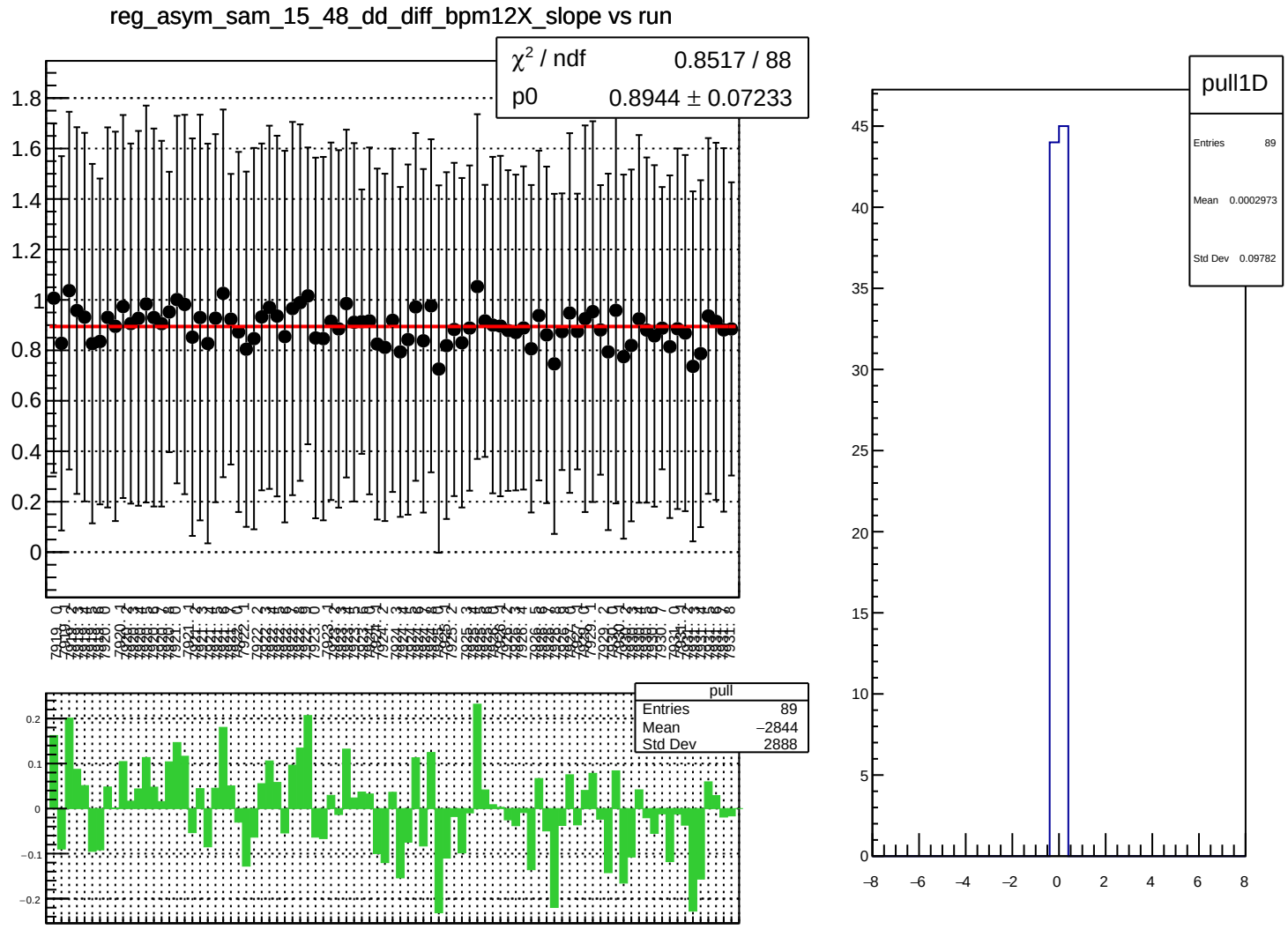

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.9565 / 88
p0 −18.34 ± 2.177
pull
Entries 89
Mean −301.5
Std Dev 342.2

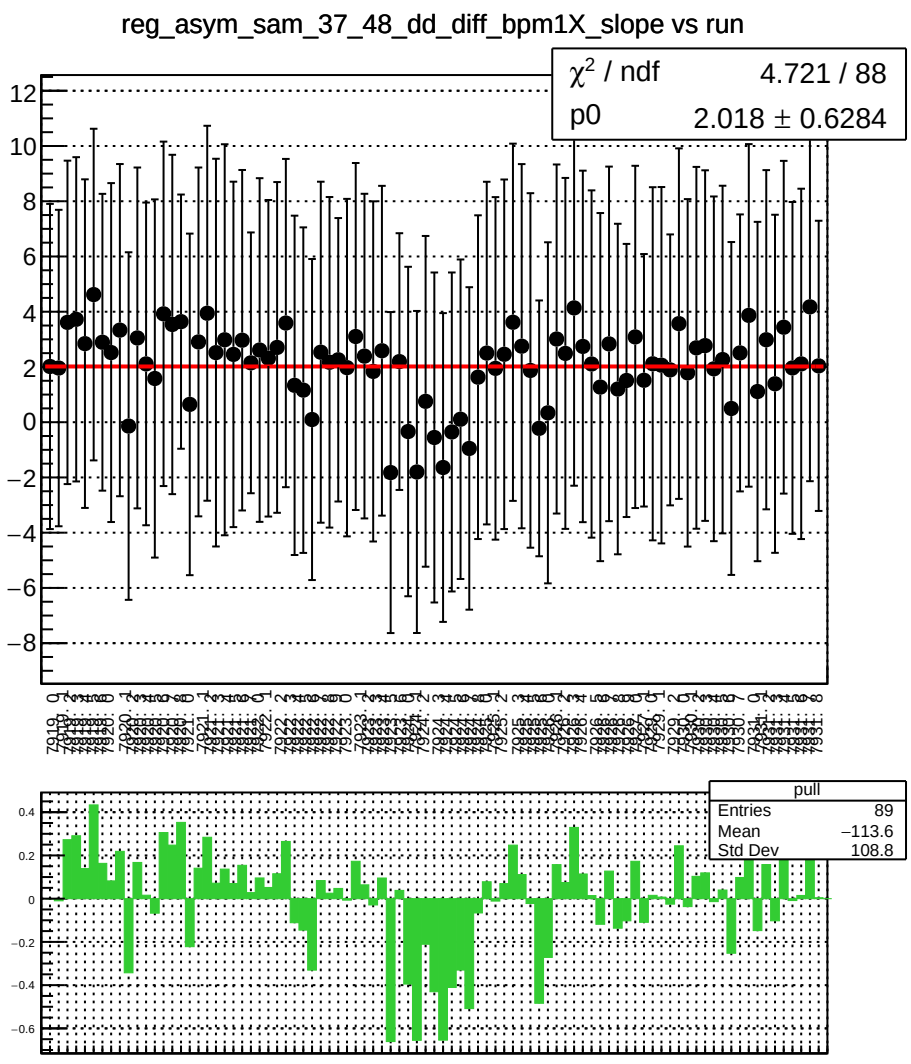

pull1D
Entries 89
Mean −0.001701
Std Dev 0.1037

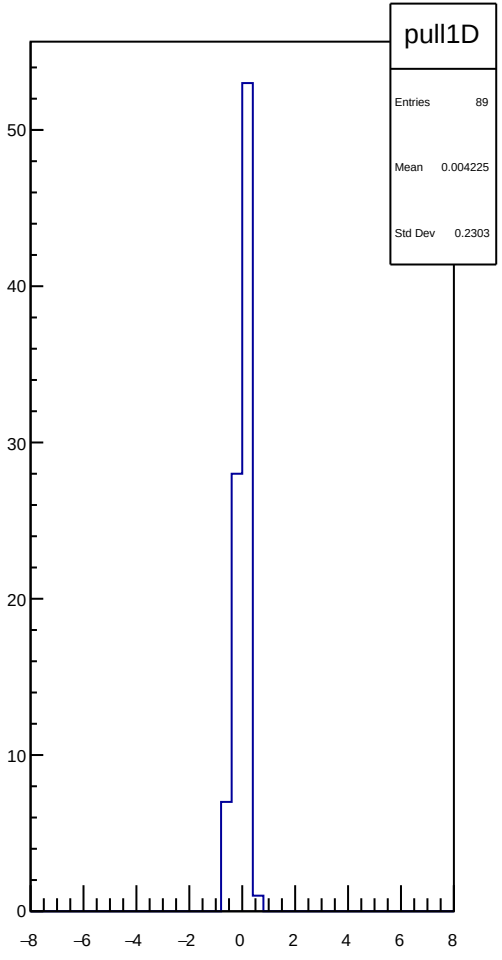

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.076 / 88
p0 33.68 ± 1.887
pull
Entries 89
Mean −462
Std Dev 501.2
pull1D
Entries 89
Mean −0.002737
Std Dev 0.1099

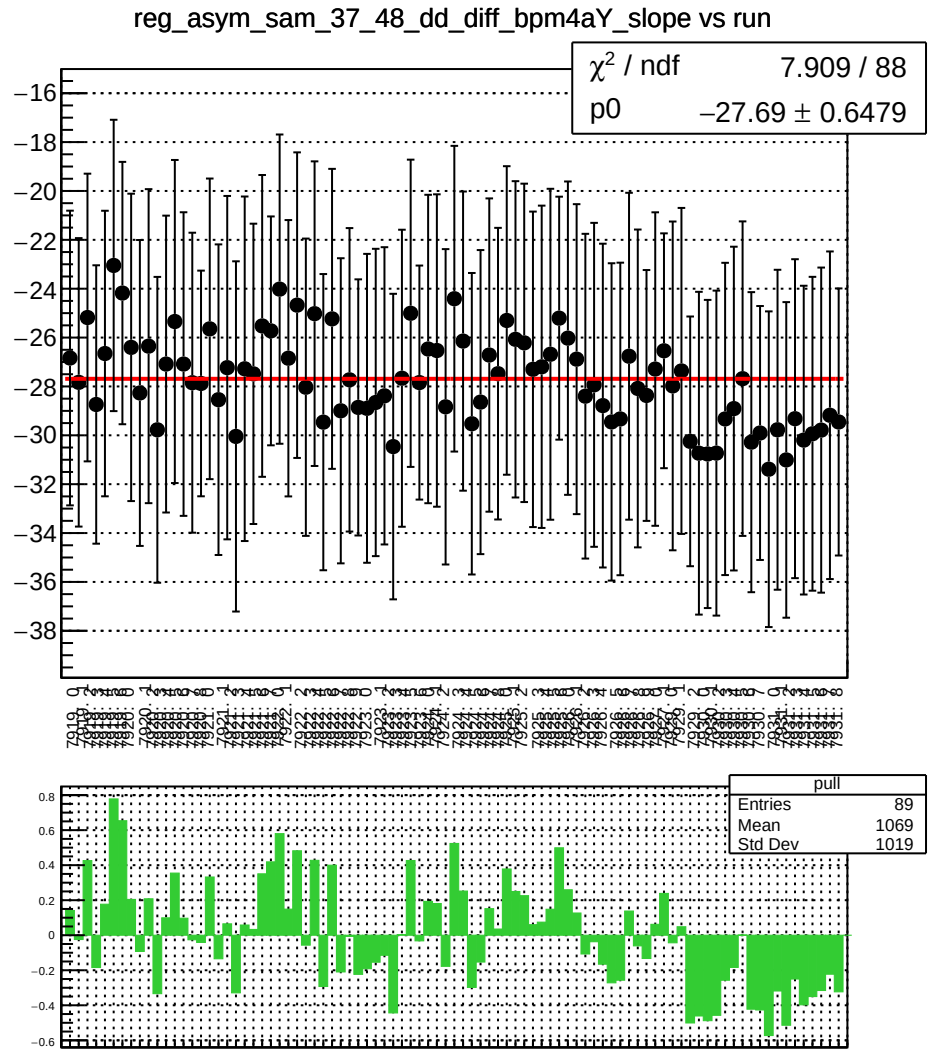

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9103 / 88
p0 −9.108 ± 2.502
pull
Entries 89
Mean −340.6
Std Dev 382.9

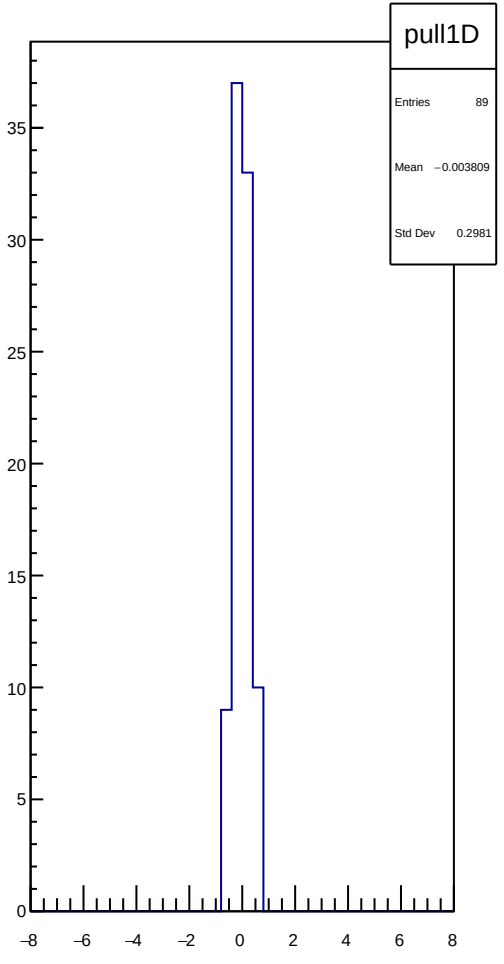

pull1D
Entries 89
Mean 0.001701
Std Dev 0.1011

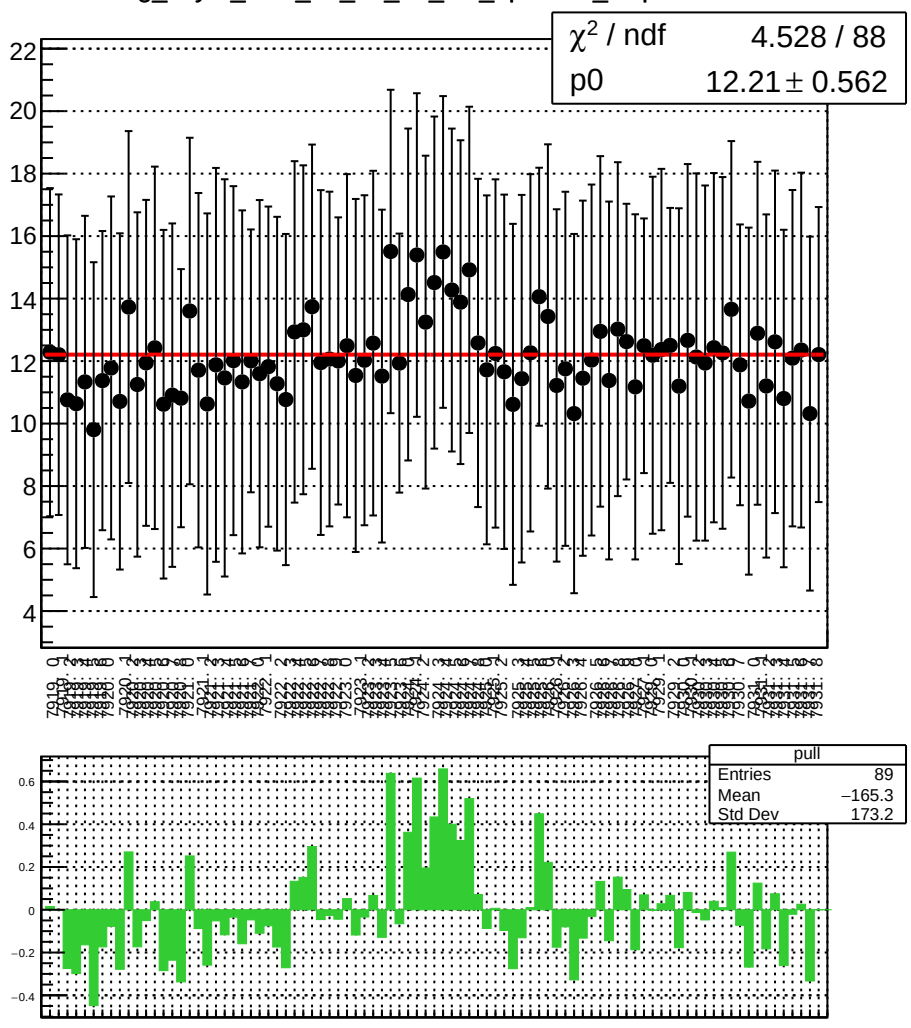

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8517 / 88
p0 0.8944 ± 0.07233
pull
Entries 89
Mean −2844
Std Dev 2888
pull1D
Entries 89
Mean 0.0002973
Std Dev 0.09782

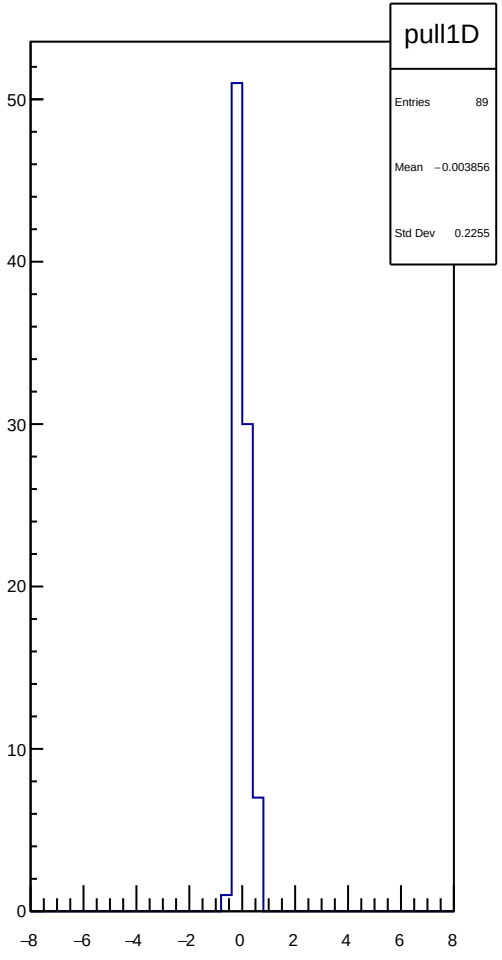

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.721 / 88
p0 2.018 ± 0.6284
pull
Entries 89
Mean −113.6
Std Dev 108.8

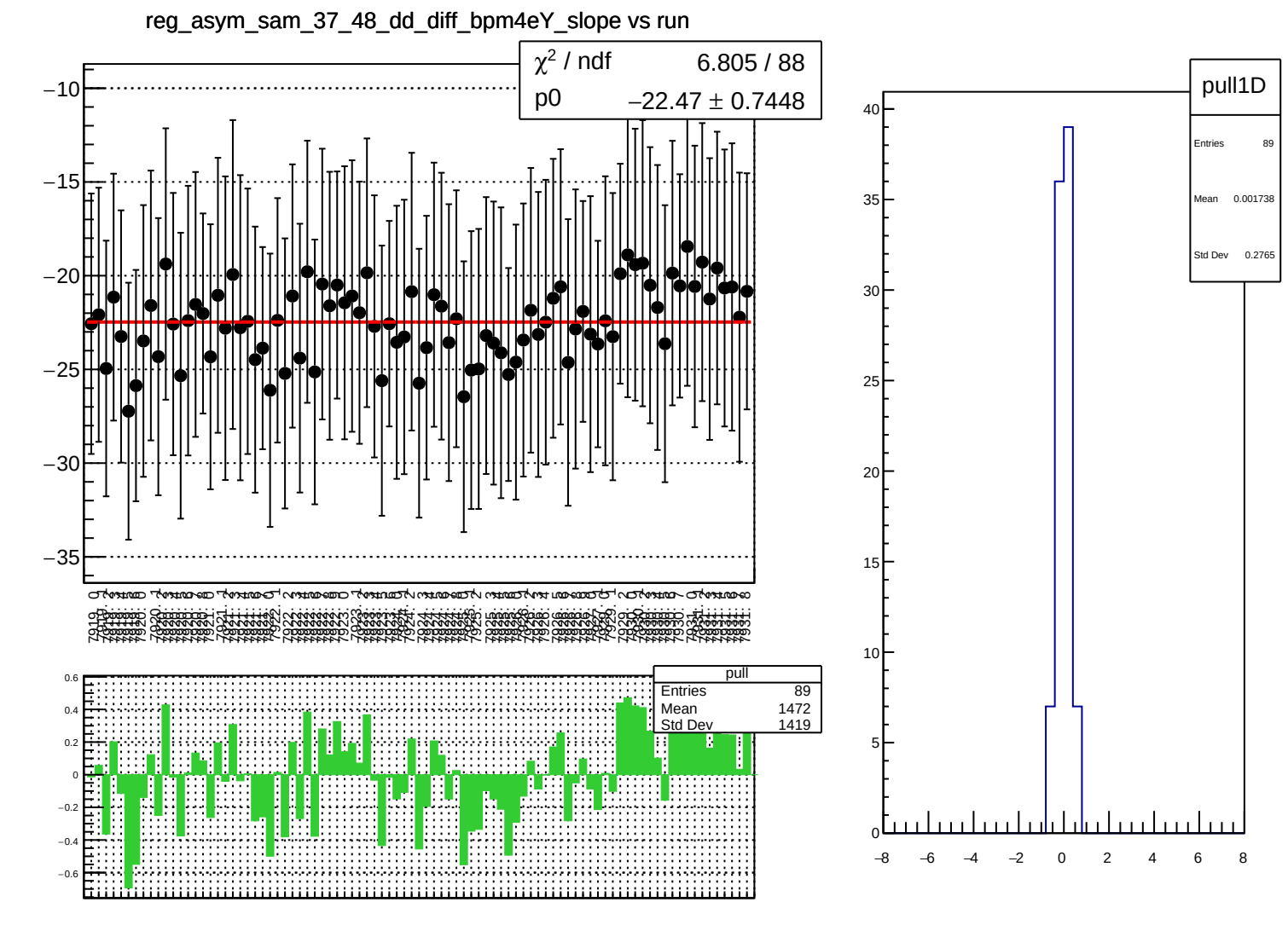

pull1D
Entries 89
Mean 0.004225
Std Dev 0.2303

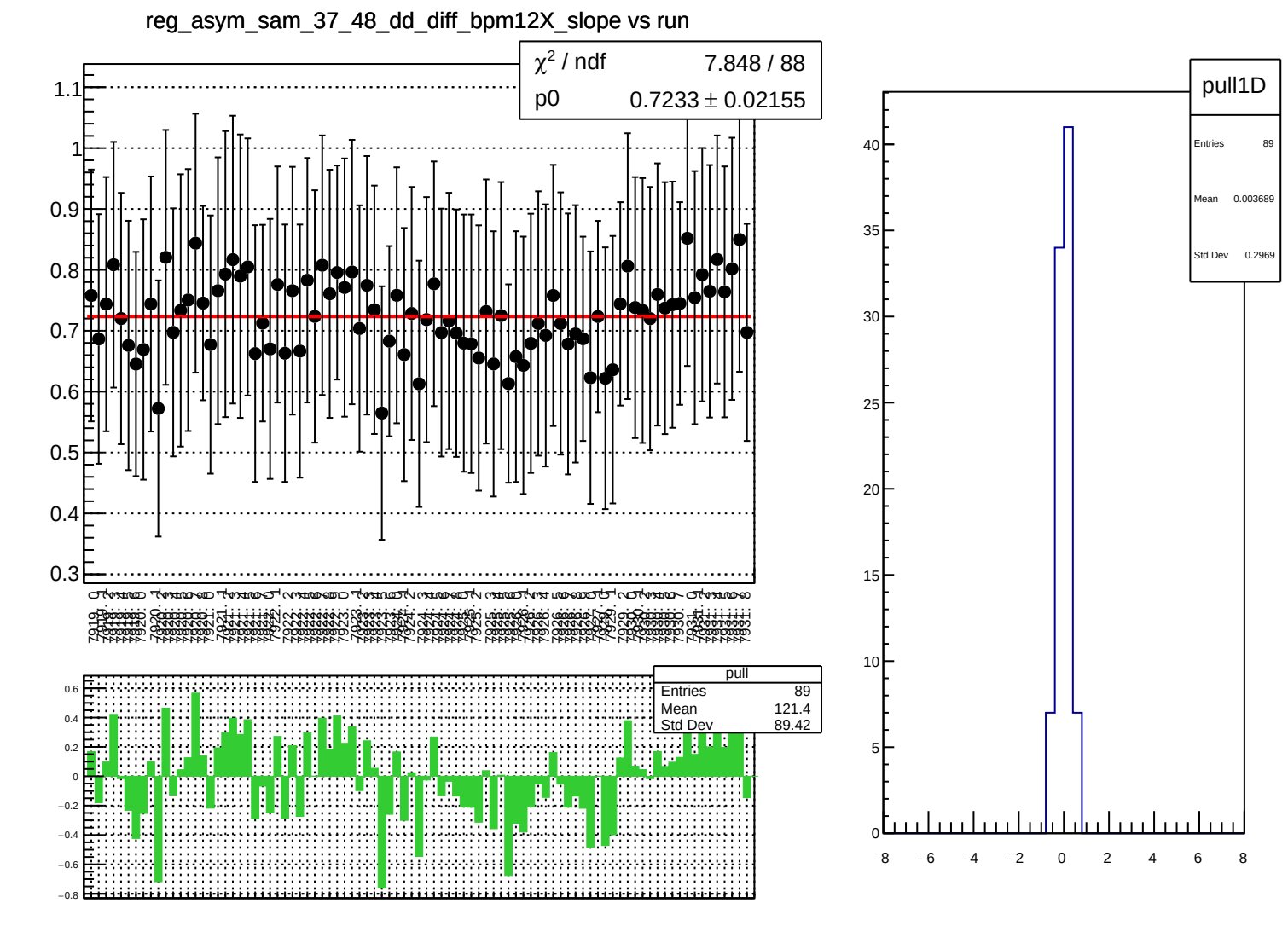

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.909 / 88
p0 −27.69 ± 0.6479
pull
Entries 89
Mean 1069
Std Dev 1019

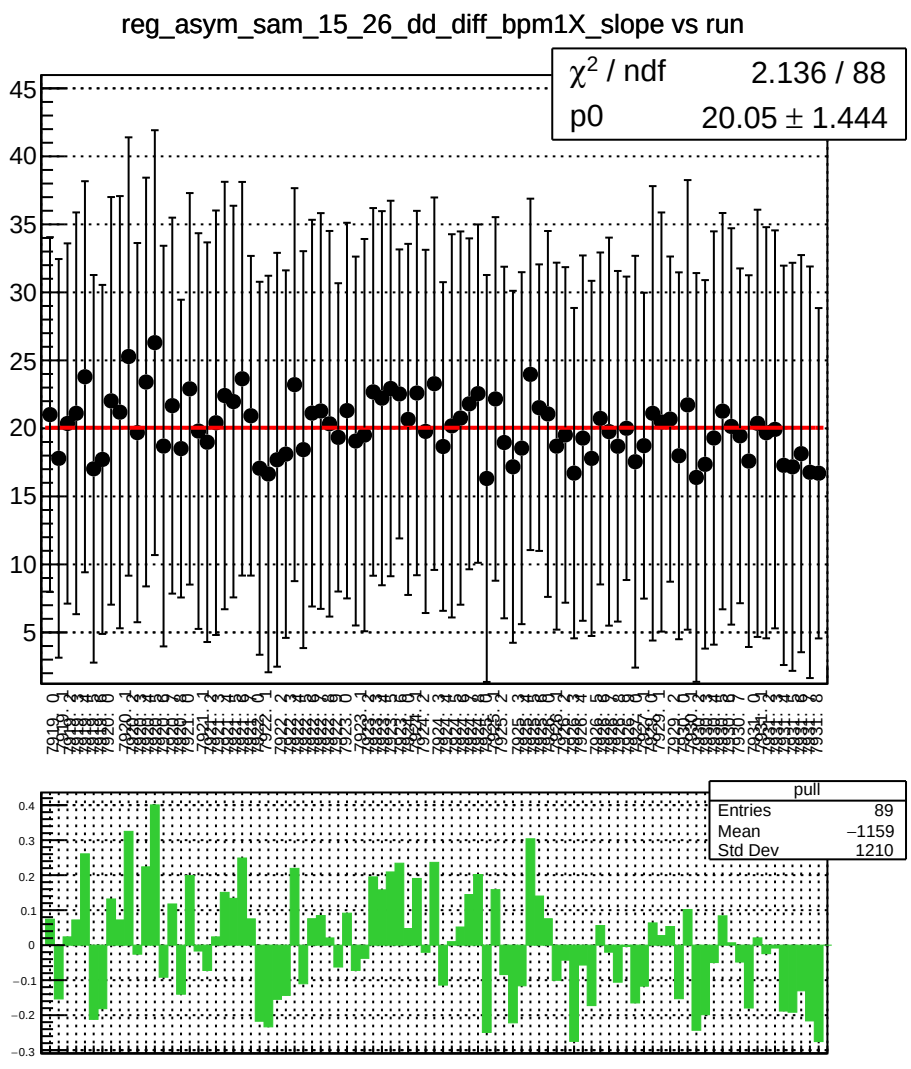

pull1D
Entries 89
Mean −0.003809
Std Dev 0.2981

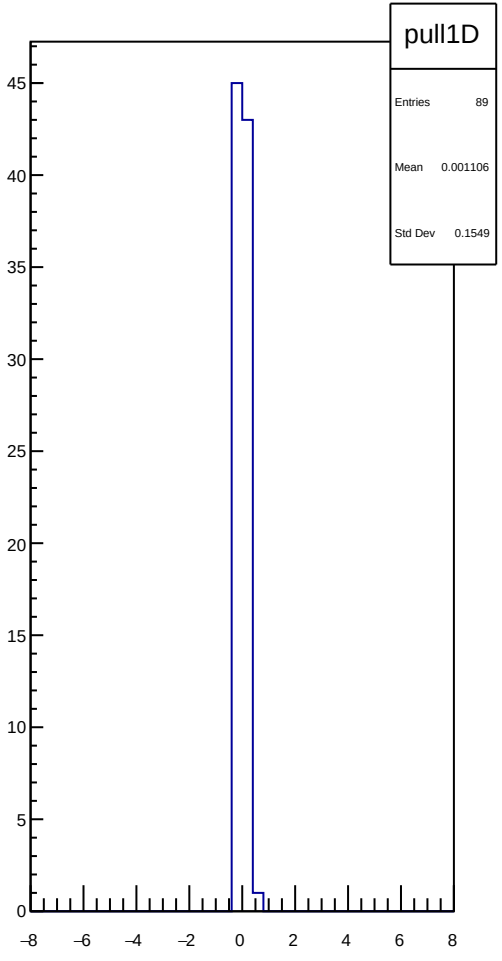

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.528 / 88
p0 12.21 ± 0.562
pull
Entries 89
Mean −165.3
Std Dev 173.2

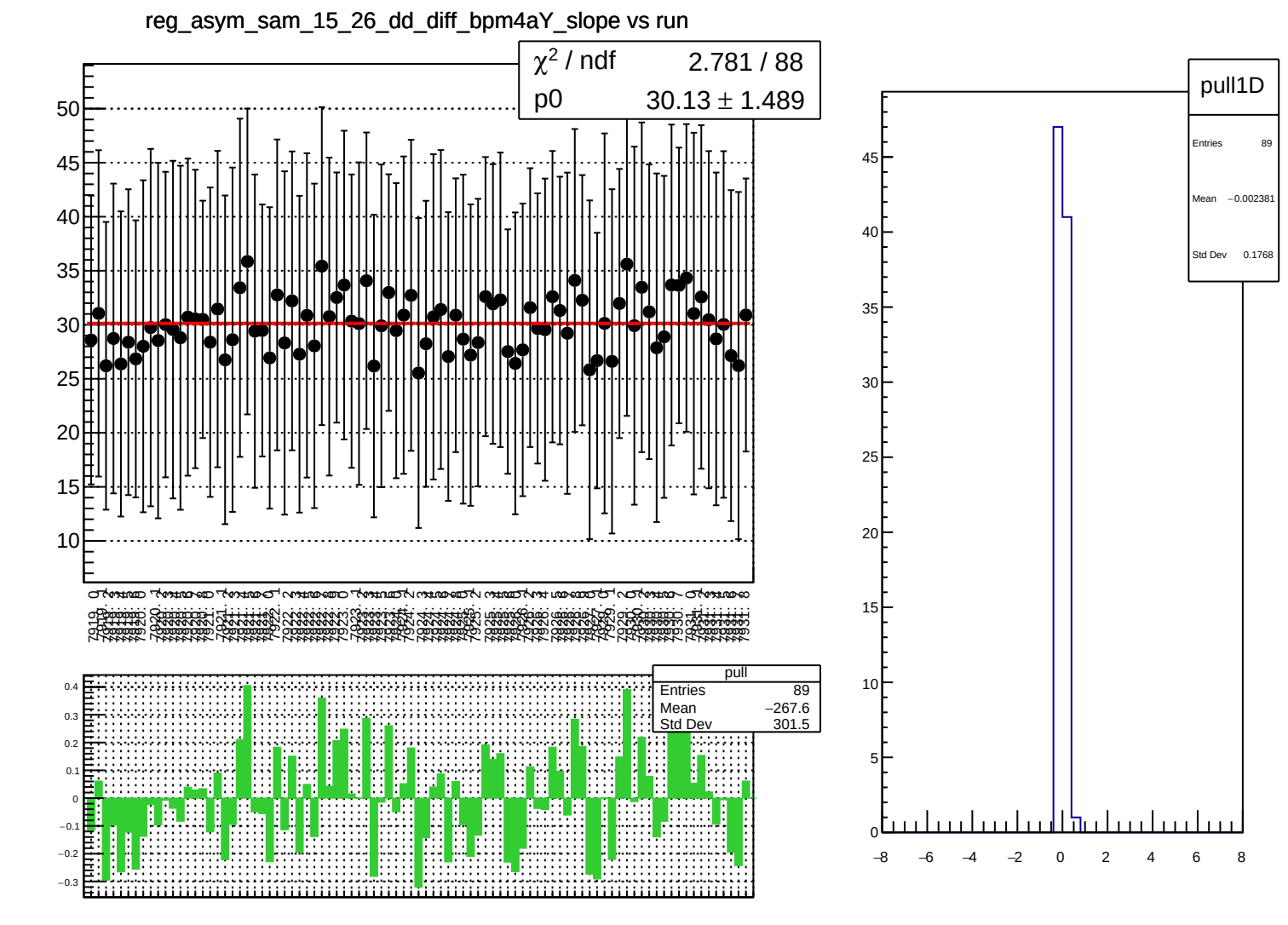

pull1D
Entries 89
Mean −0.003856
Std Dev 0.2255

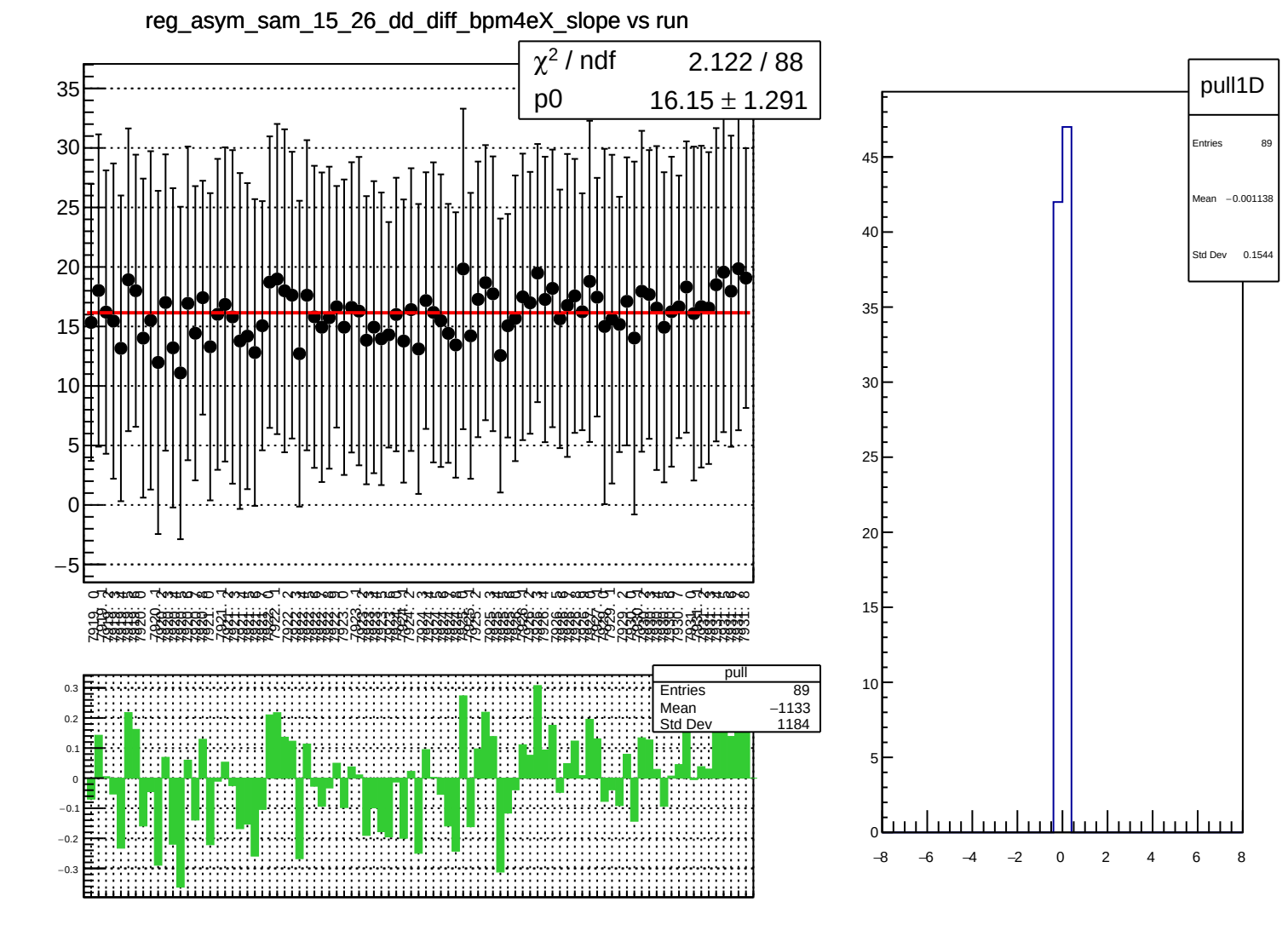

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.805 / 88
p0 −22.47 ± 0.7448
pull
Entries 89
Mean 1472
Std Dev 1419
pull1D
Entries 89
Mean 0.001738
Std Dev 0.2765

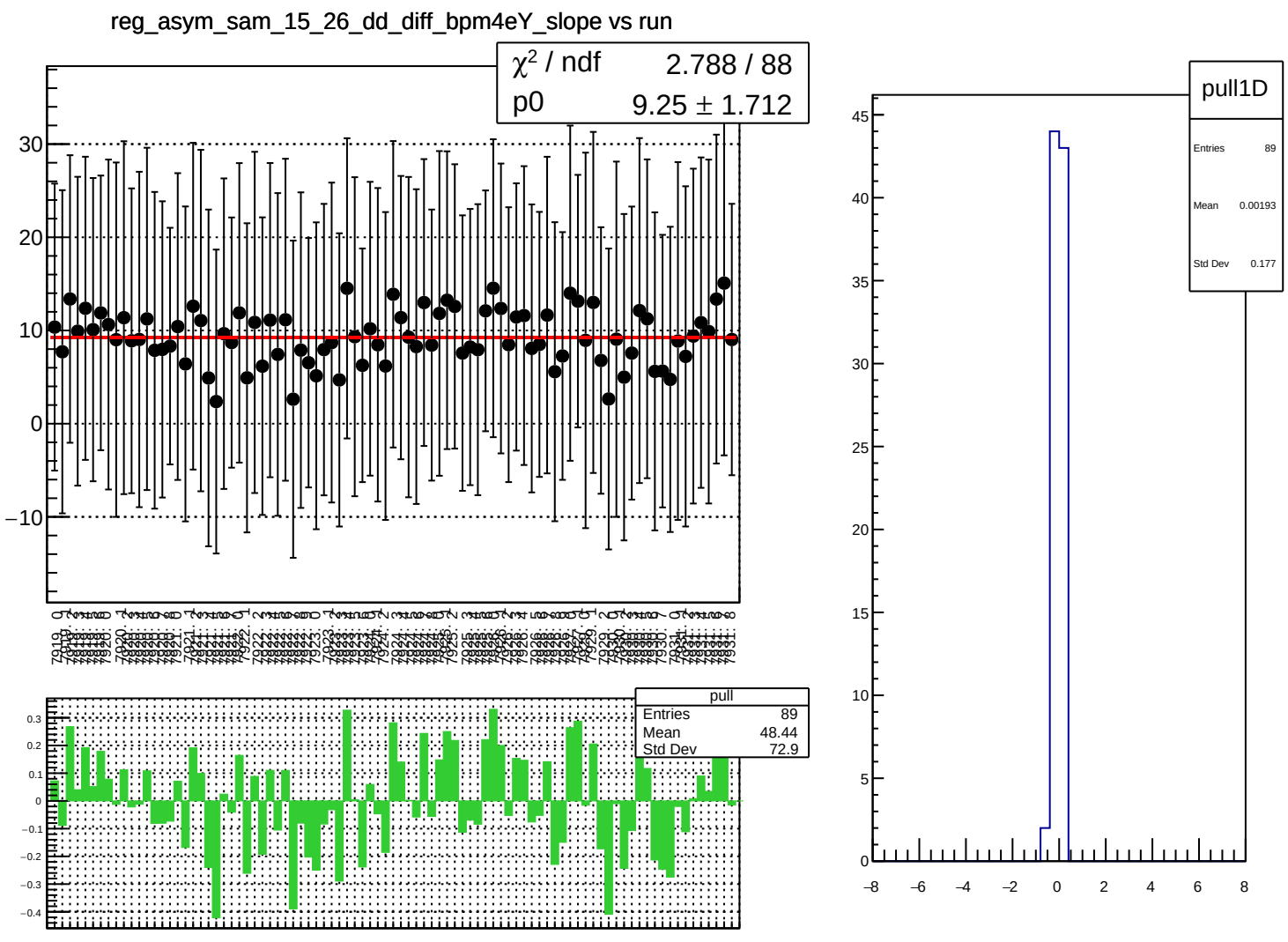

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.848 / 88
p0 0.7233 ± 0.02155
pull
Entries 89
Mean 121.4
Std Dev 89.42
pull1D
Entries 89
Mean 0.003689
Std Dev 0.2969

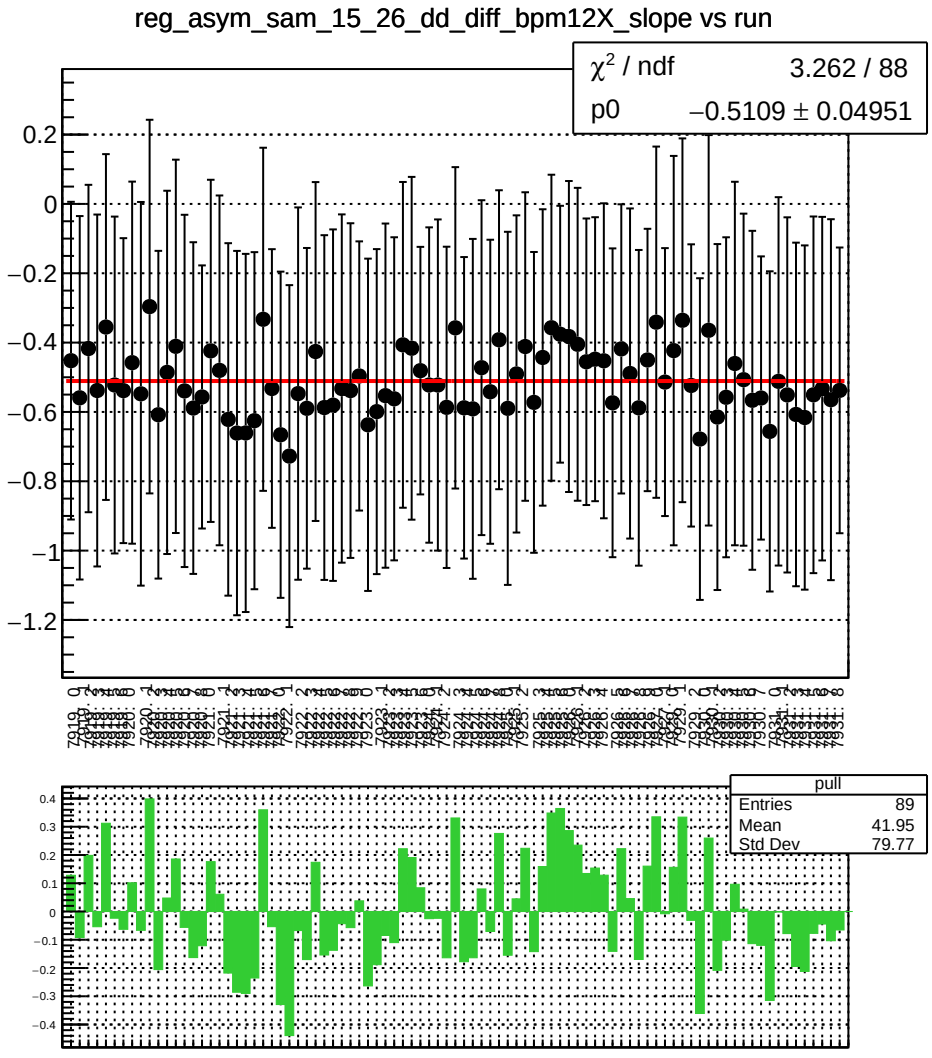

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.136 / 88
p0 20.05 ± 1.444
pull
Entries 89
Mean −1159
Std Dev 1210

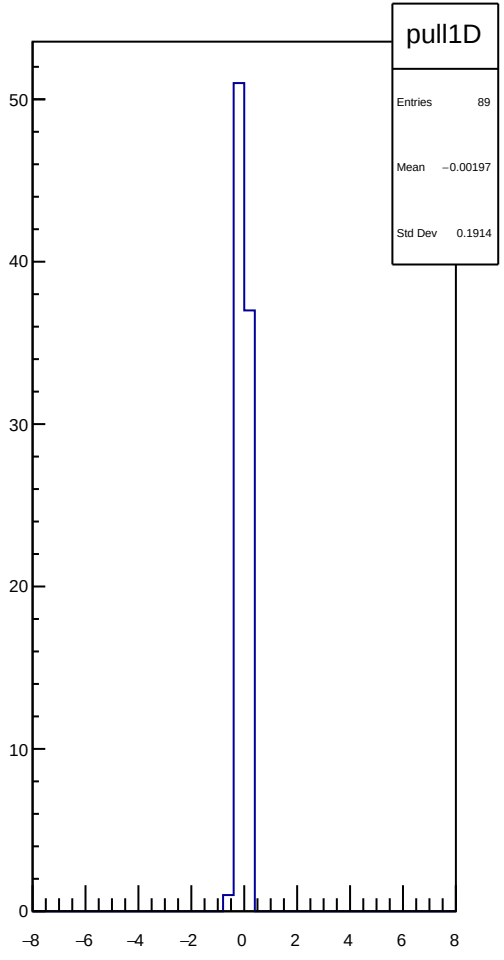

pull1D
Entries 89
Mean 0.001106
Std Dev 0.1549

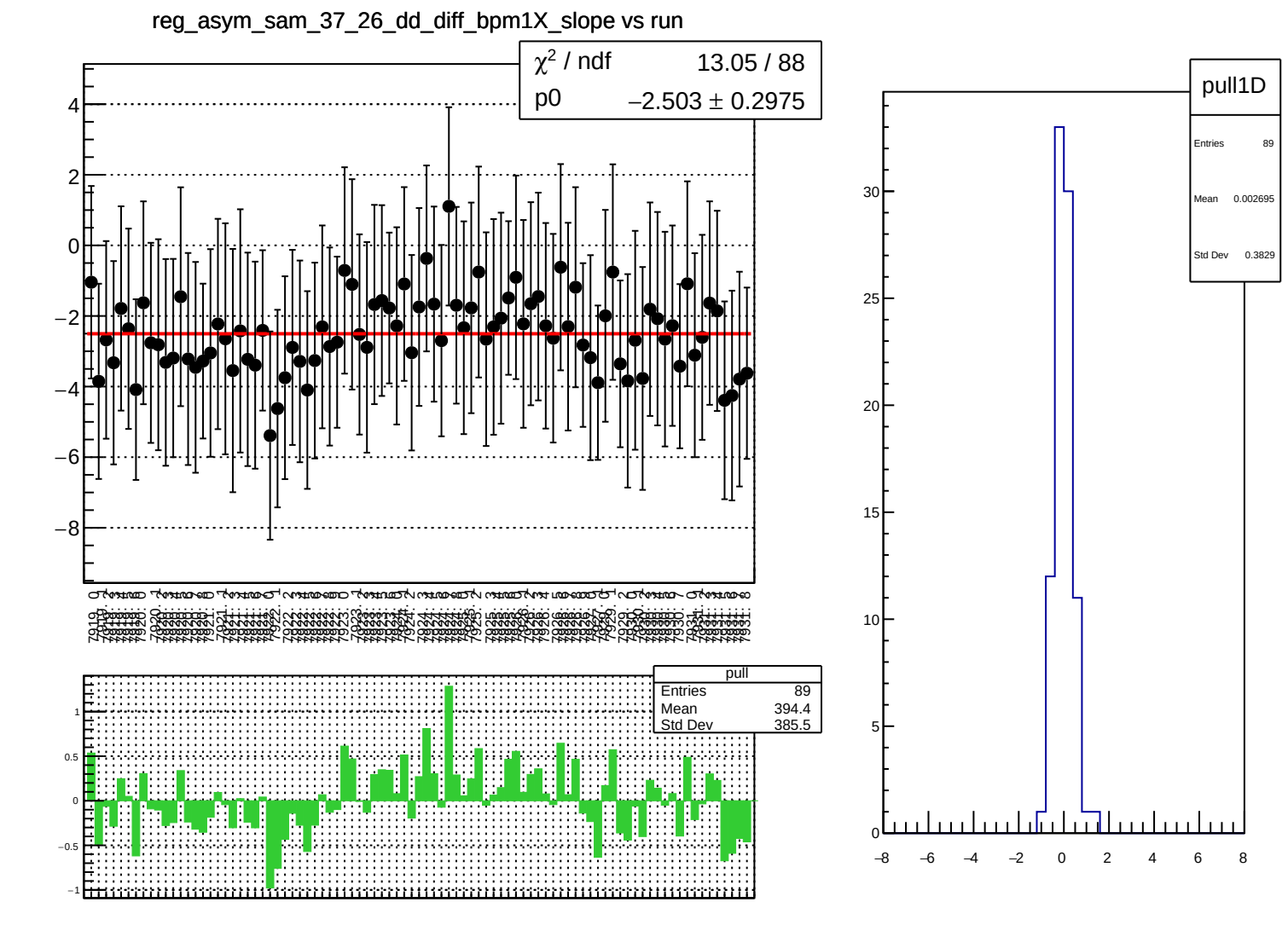

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.781 / 88
p0 30.13 ± 1.489
pull
Entries 89
Mean −267.6
Std Dev 301.5
pull1D
Entries 89
Mean −0.002381
Std Dev 0.1768

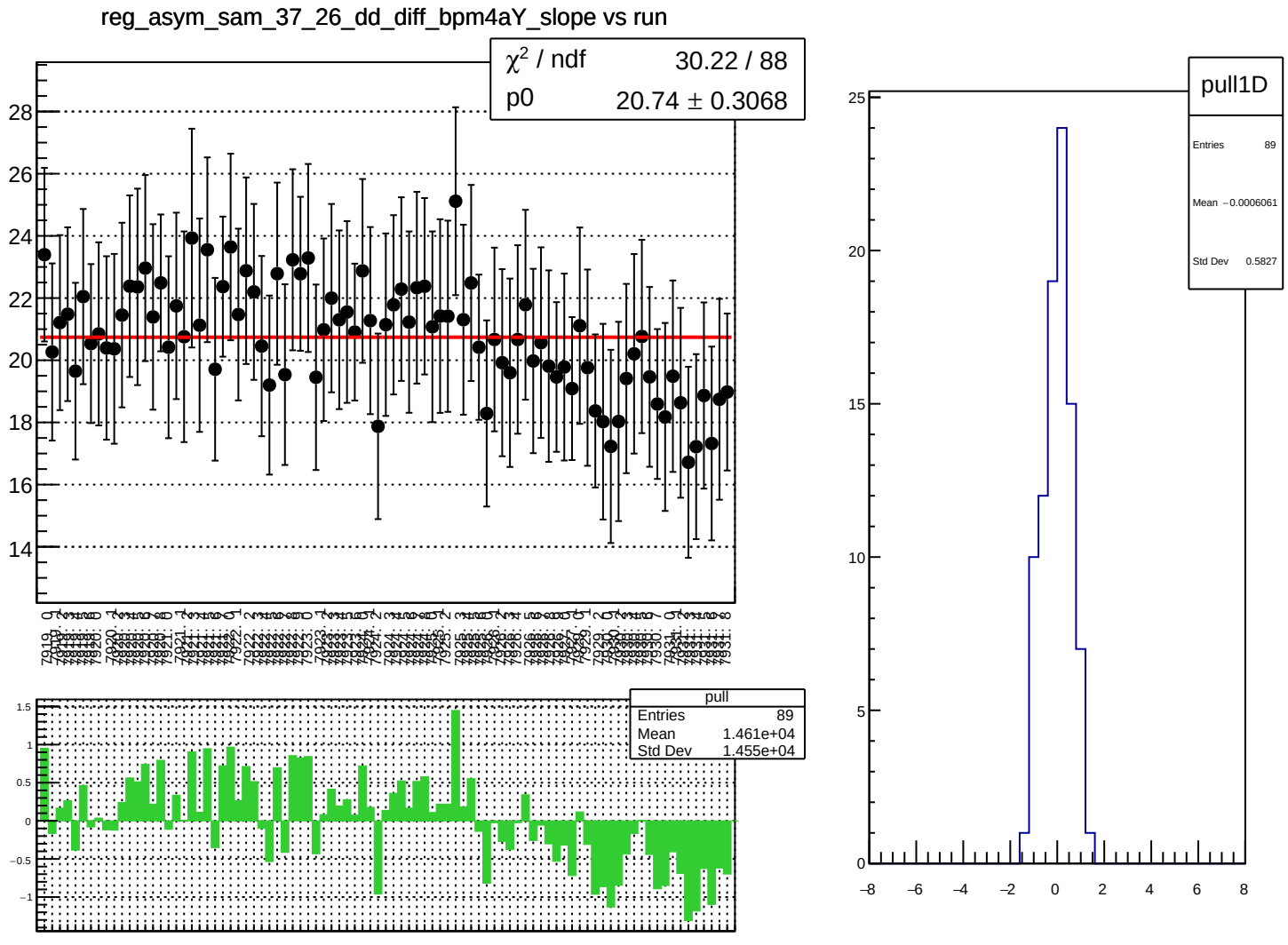

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.122 / 88
p0 16.15 ± 1.291
pull
Entries 89
Mean −1133
Std Dev 1184
pull1D
Entries 89
Mean −0.001138
Std Dev 0.1544

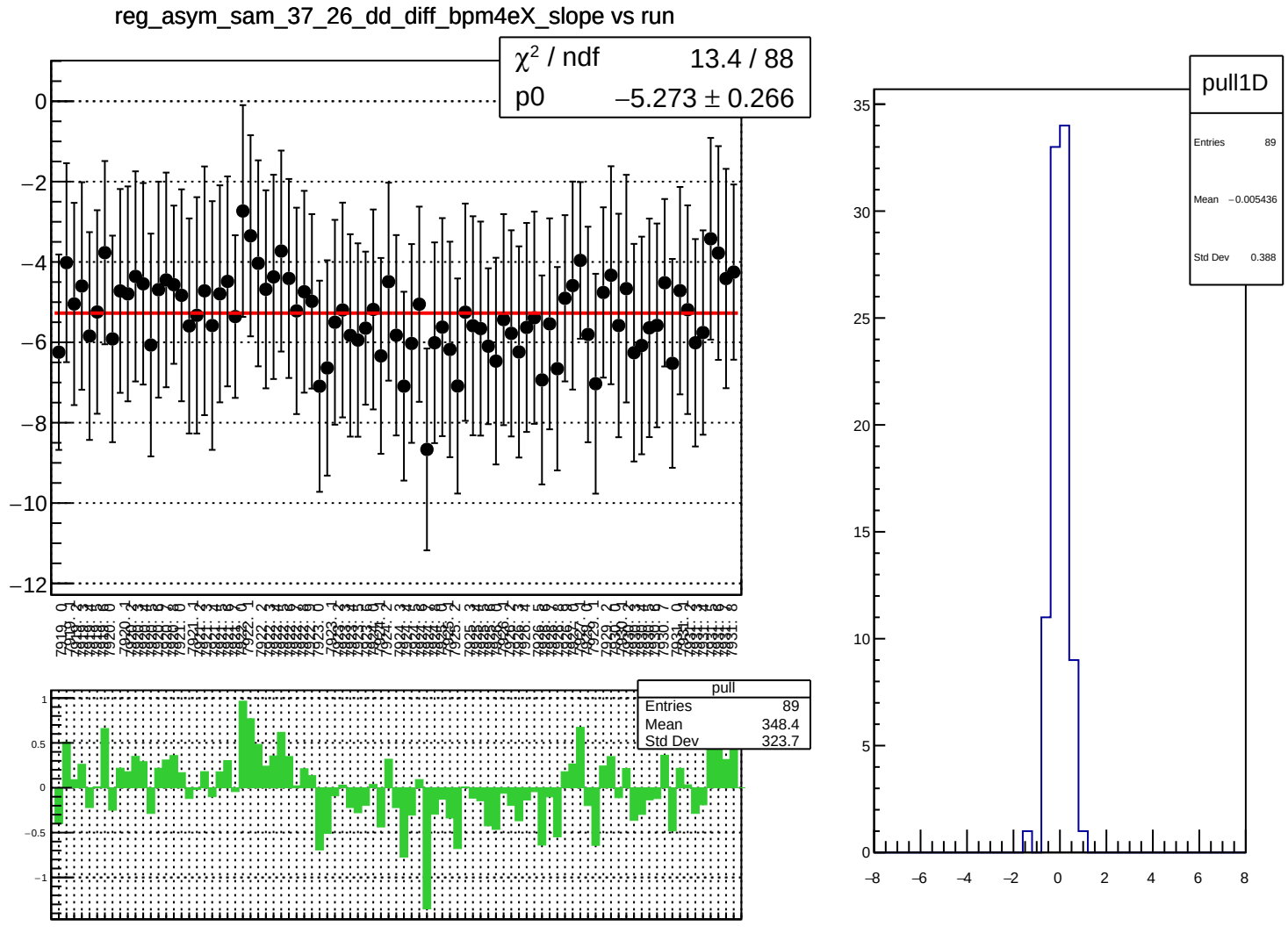

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.788 / 88
p0 9.25 ± 1.712
pull
Entries 89
Mean 48.44
Std Dev 72.9
pull1D
Entries 89
Mean 0.00193
Std Dev 0.177

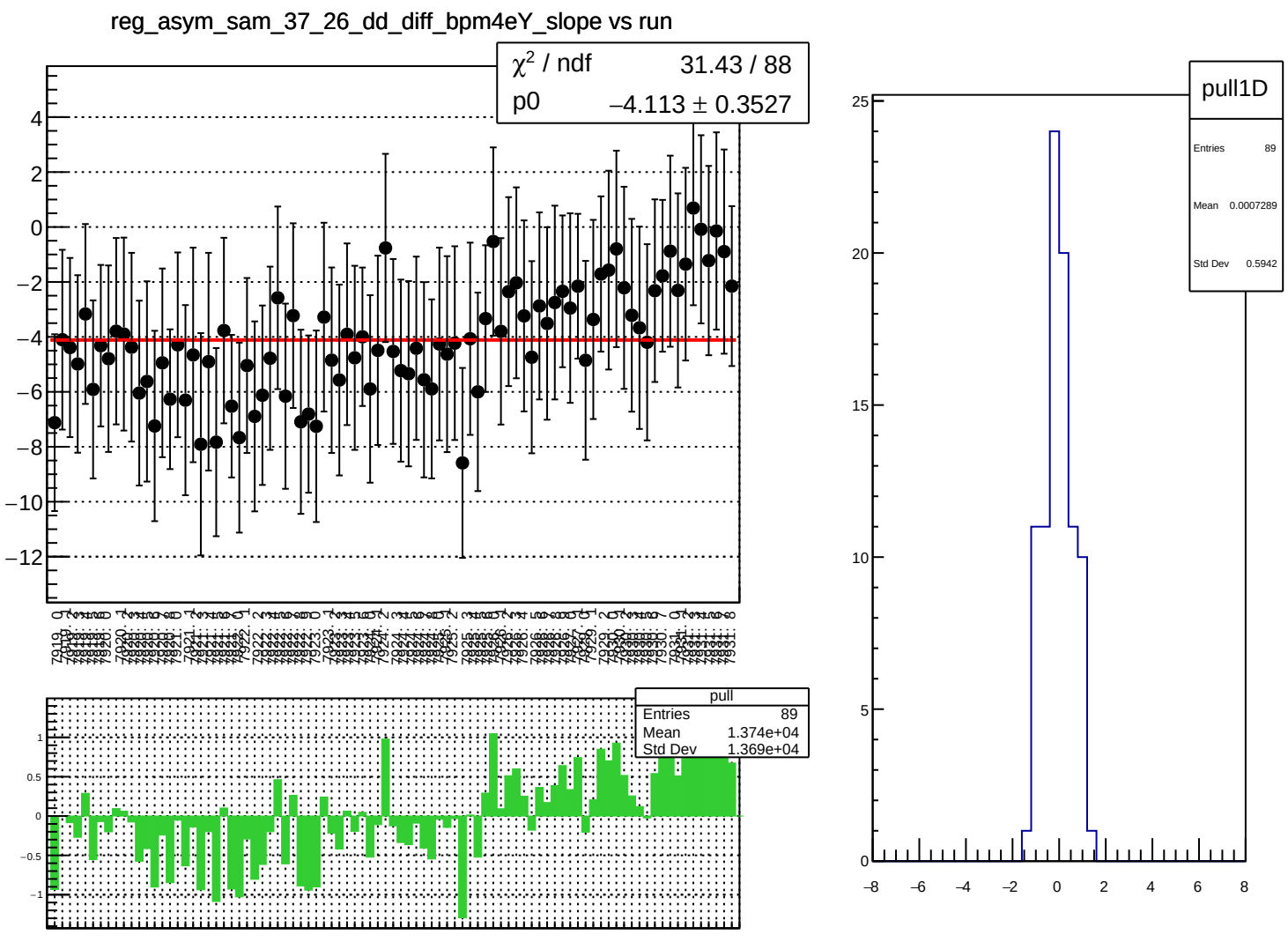

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.262 / 88
p0 −0.5109 ± 0.04951
pull
Entries 89
Mean 41.95
Std Dev 79.77

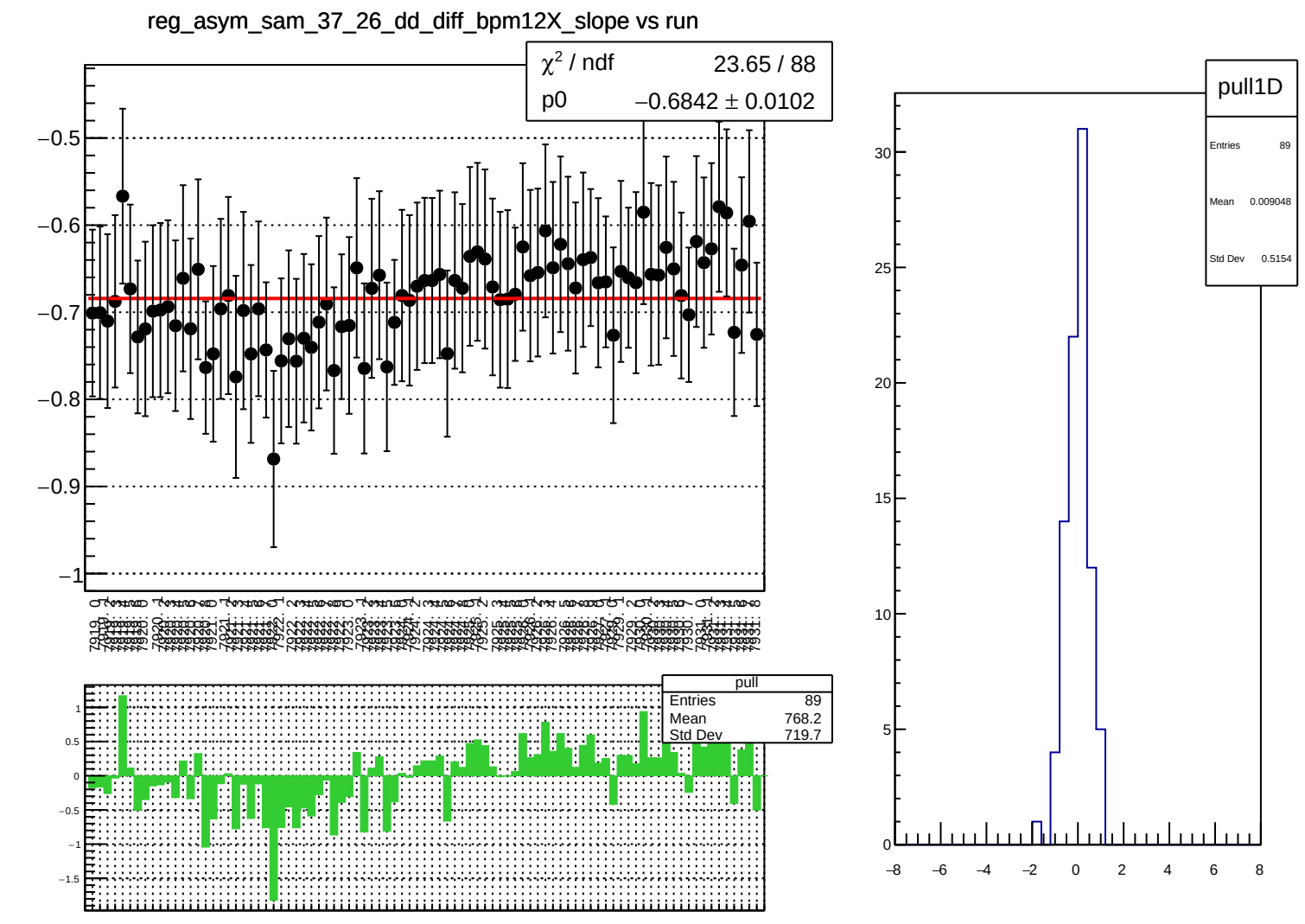

pull1D
Entries 89
Mean −0.00197
Std Dev 0.1914

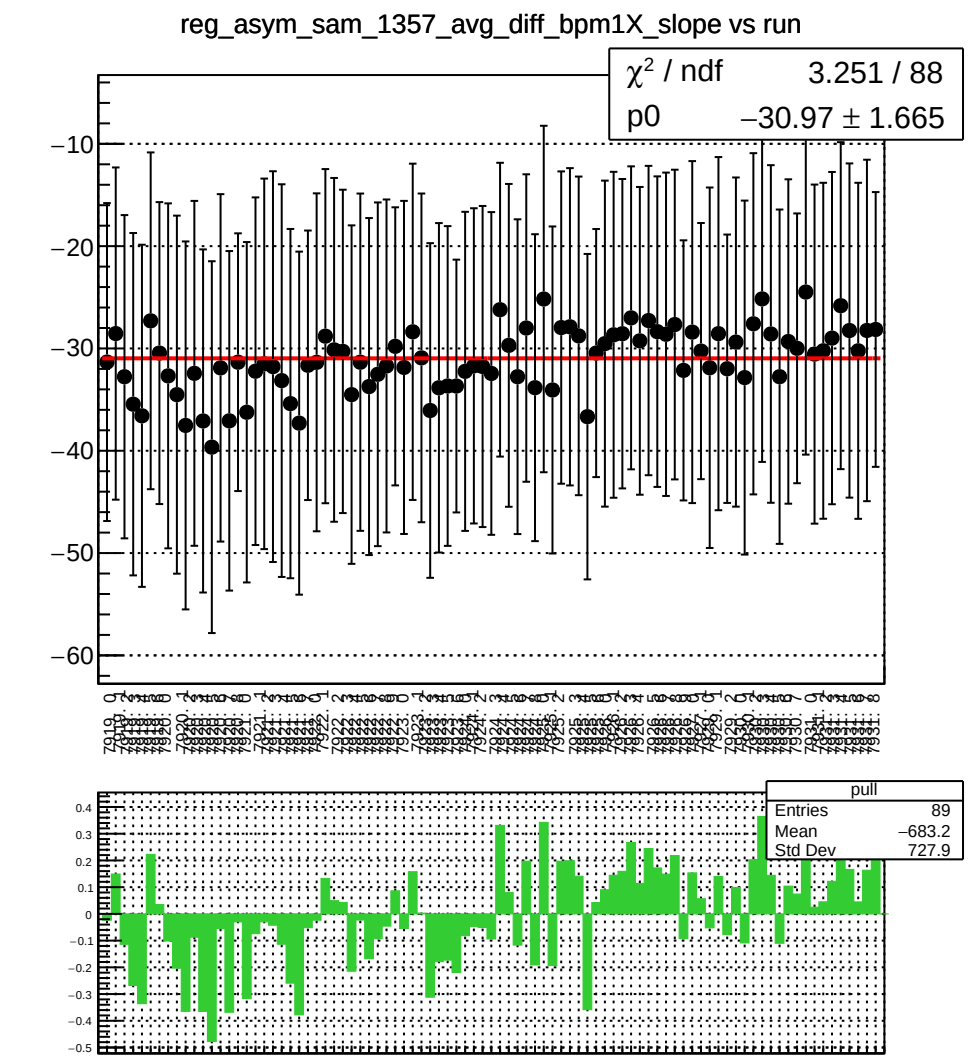

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 13.05 / 88
p0 −2.503 ± 0.2975
pull
Entries 89
Mean 394.4
Std Dev 385.5
pull1D
Entries 89
Mean 0.002695
Std Dev 0.3829

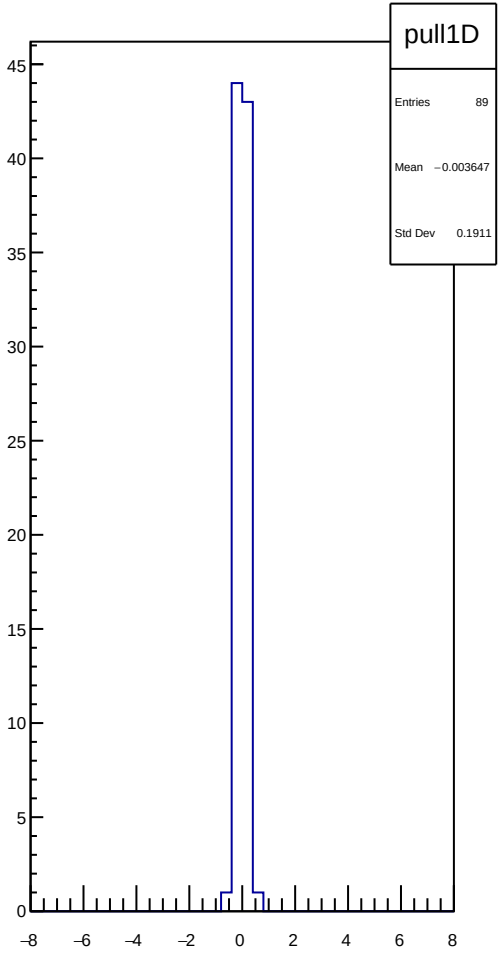

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.22 / 88
p0 20.74 ± 0.3068
pull
Entries 89
Mean 1.461e+04
Std Dev 1.455e+04
pull1D
Entries 89
Mean −0.0006061
Std Dev 0.5827

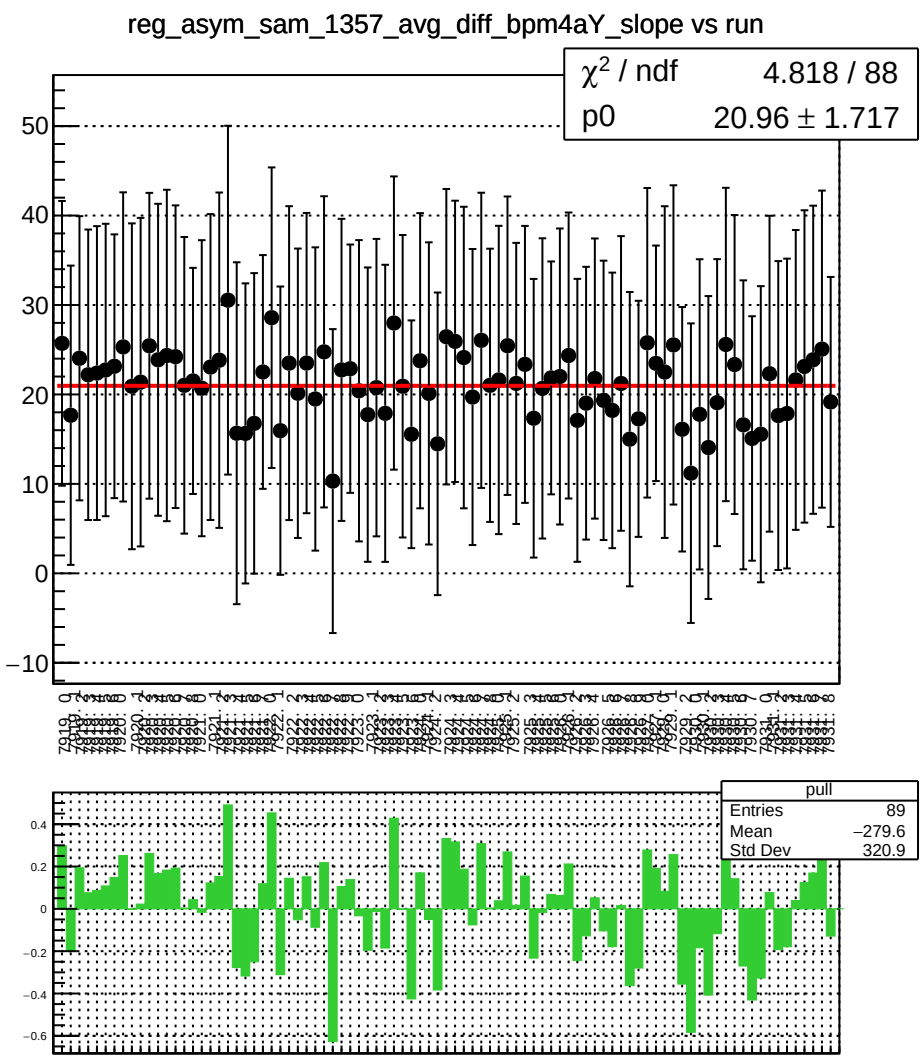

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.4 / 88
p0 −5.273 ± 0.266
pull
Entries 89
Mean 348.4
Std Dev 323.7
pull1D
Entries 89
Mean −0.005436
Std Dev 0.388

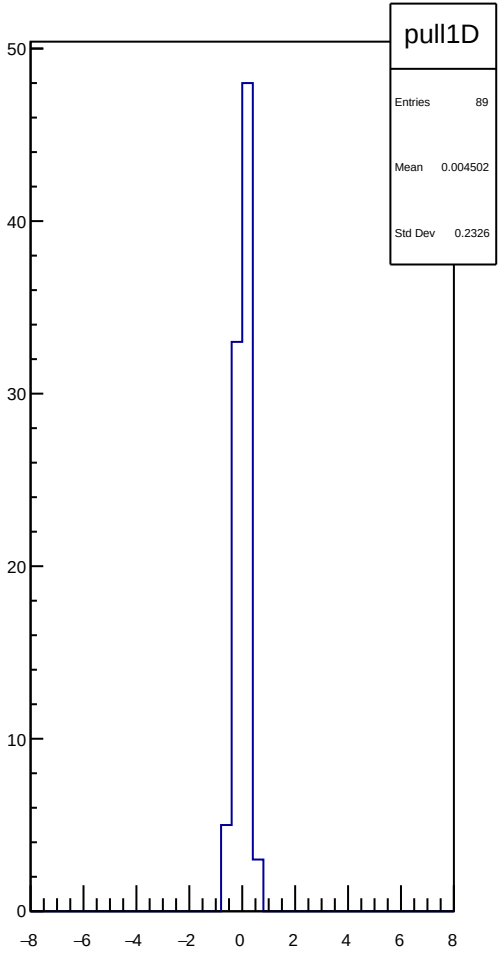

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.43 / 88
p0 −4.113 ± 0.3527
pull
Entries 89
Mean 1.374e+04
Std Dev 1.369e+04
pull1D
Entries 89
Mean 0.0007289
Std Dev 0.5942

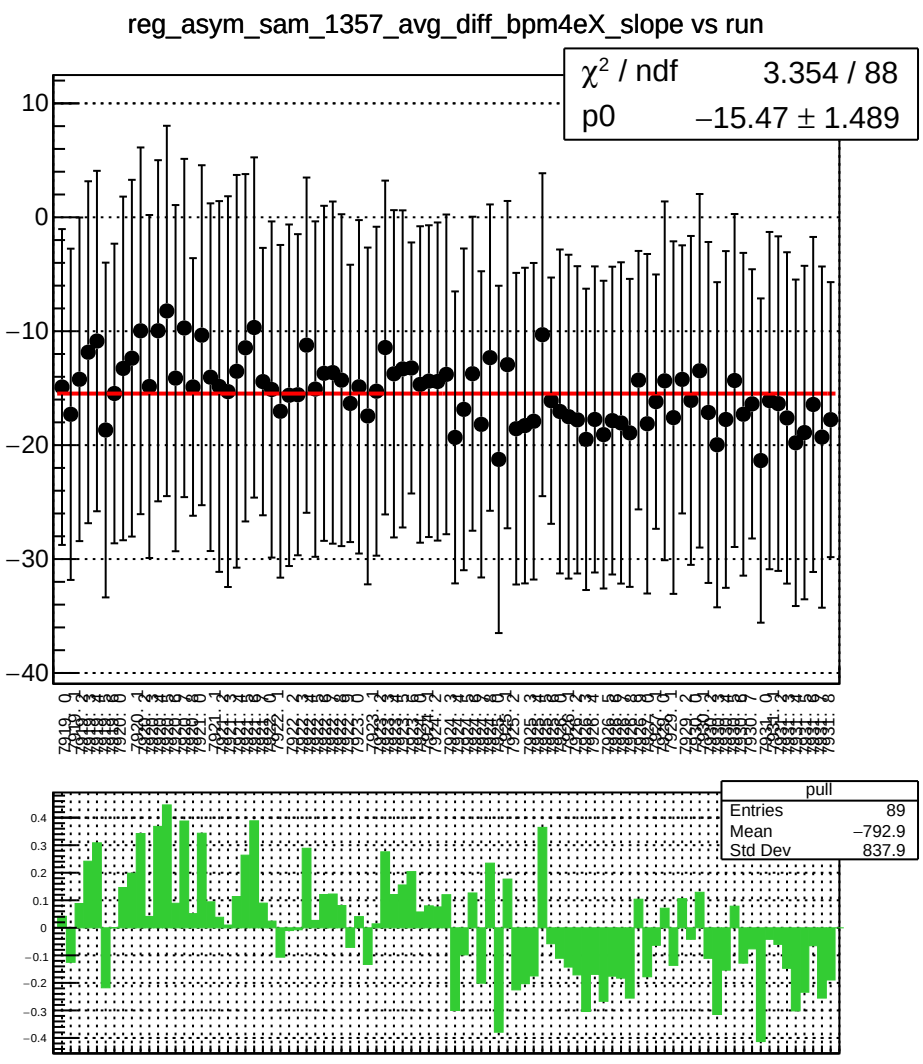

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 23.65 / 88
p0 −0.6842 ± 0.0102
pull
Entries 89
Mean 768.2
Std Dev 719.7
pull1D
Entries 89
Mean 0.009048
Std Dev 0.5154

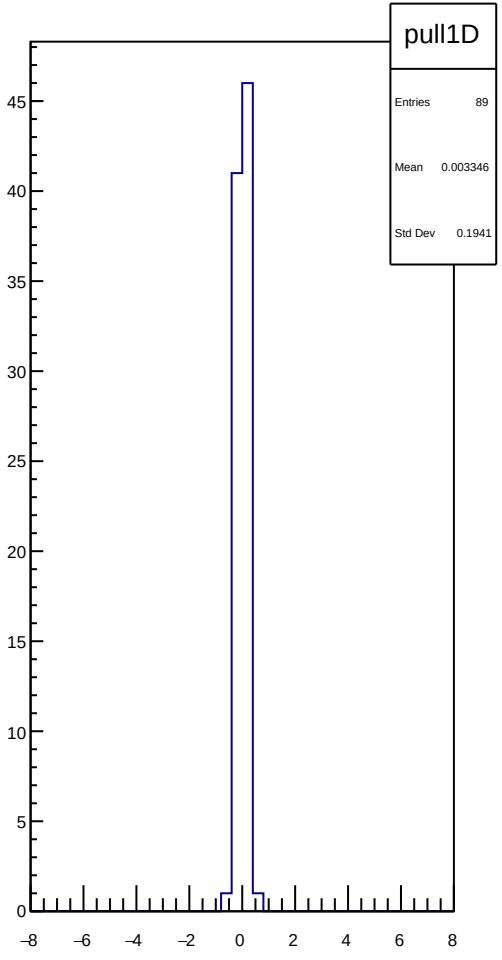

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 3.251 / 88
p0 −30.97 ± 1.665
pull
Entries 89
Mean −683.2
Std Dev 727.9

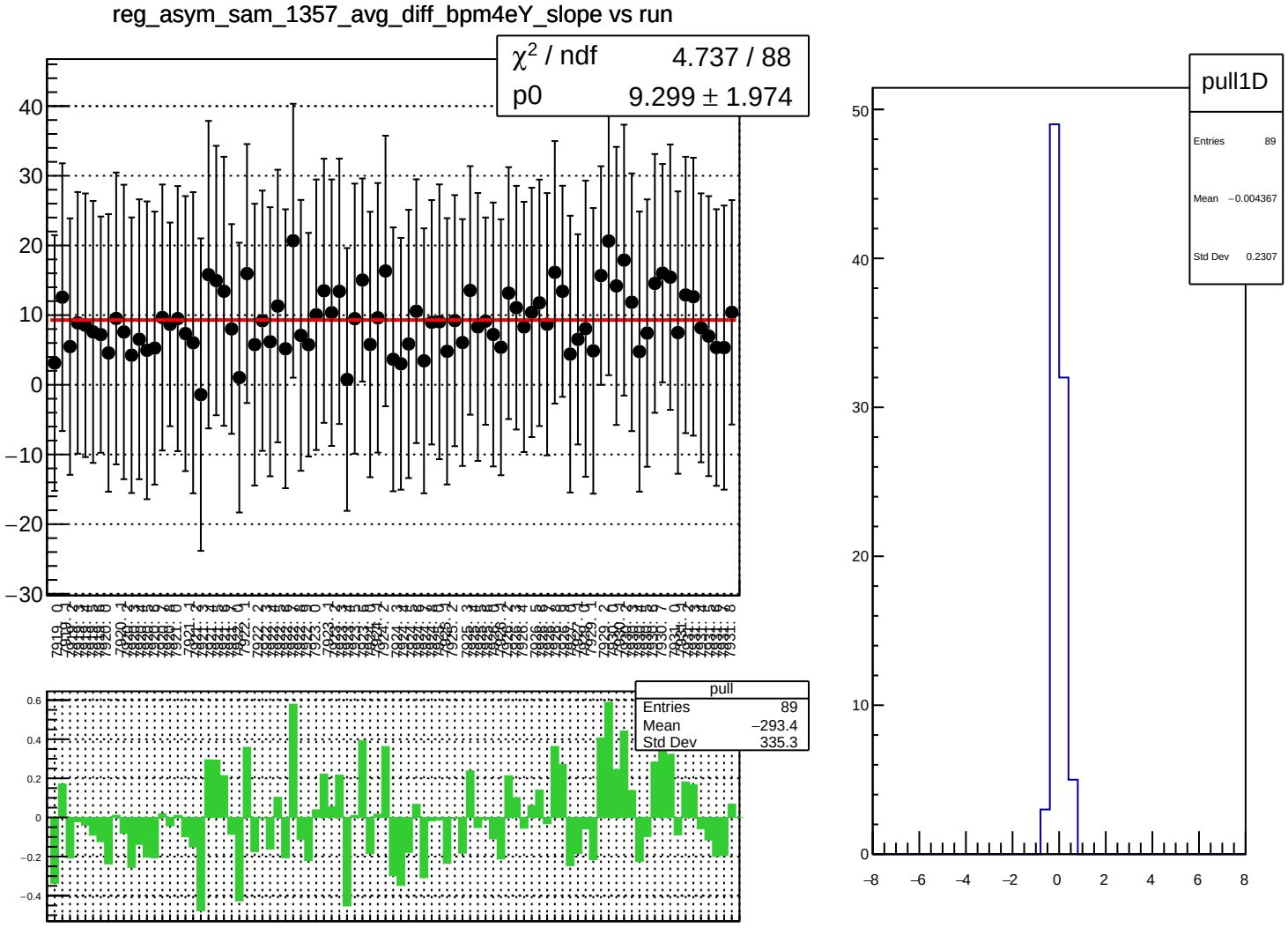

pull1D
Entries 89
Mean −0.003647
Std Dev 0.1911

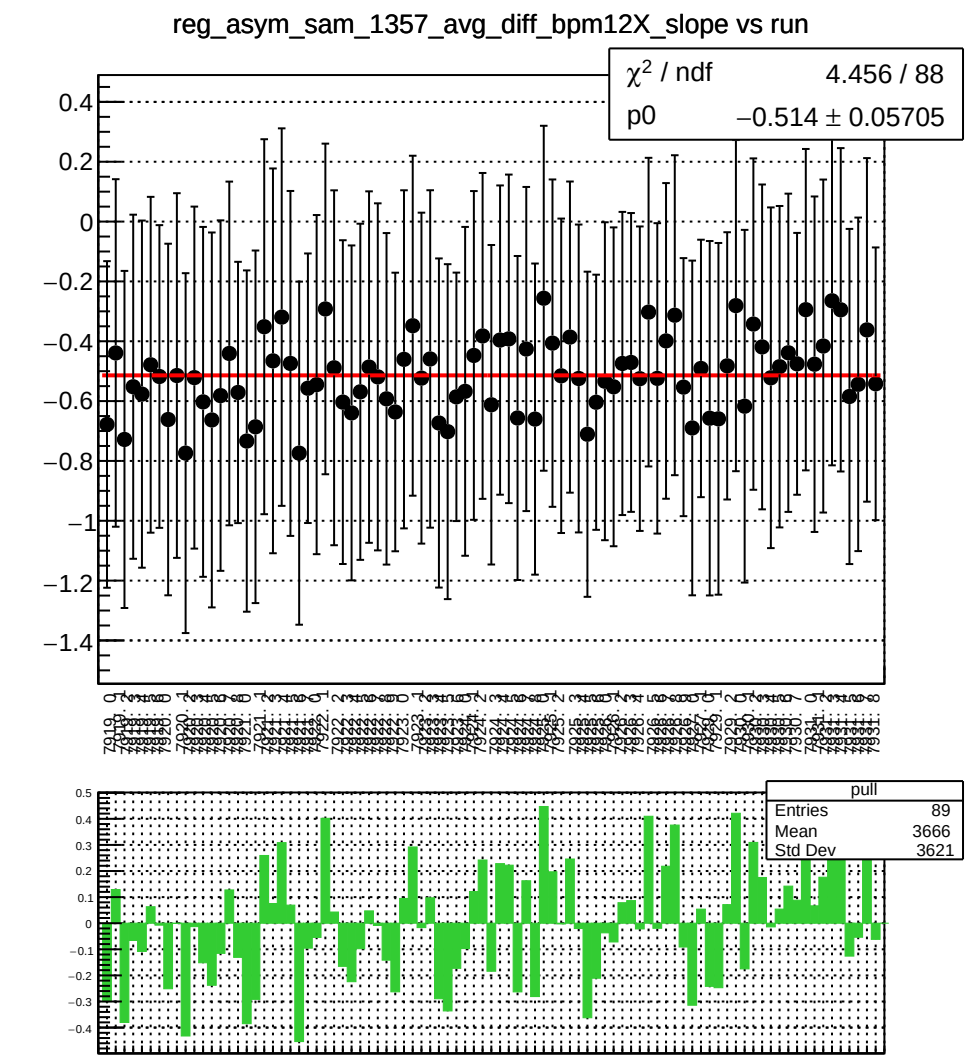

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.818 / 88
p0 20.96 ± 1.717
pull
Entries 89
Mean −279.6
Std Dev 320.9

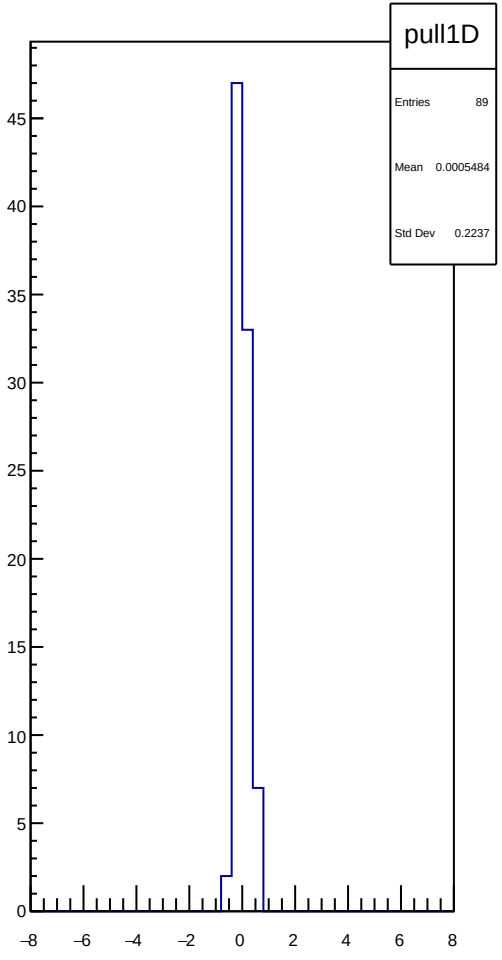

pull1D
Entries 89
Mean 0.004502
Std Dev 0.2326

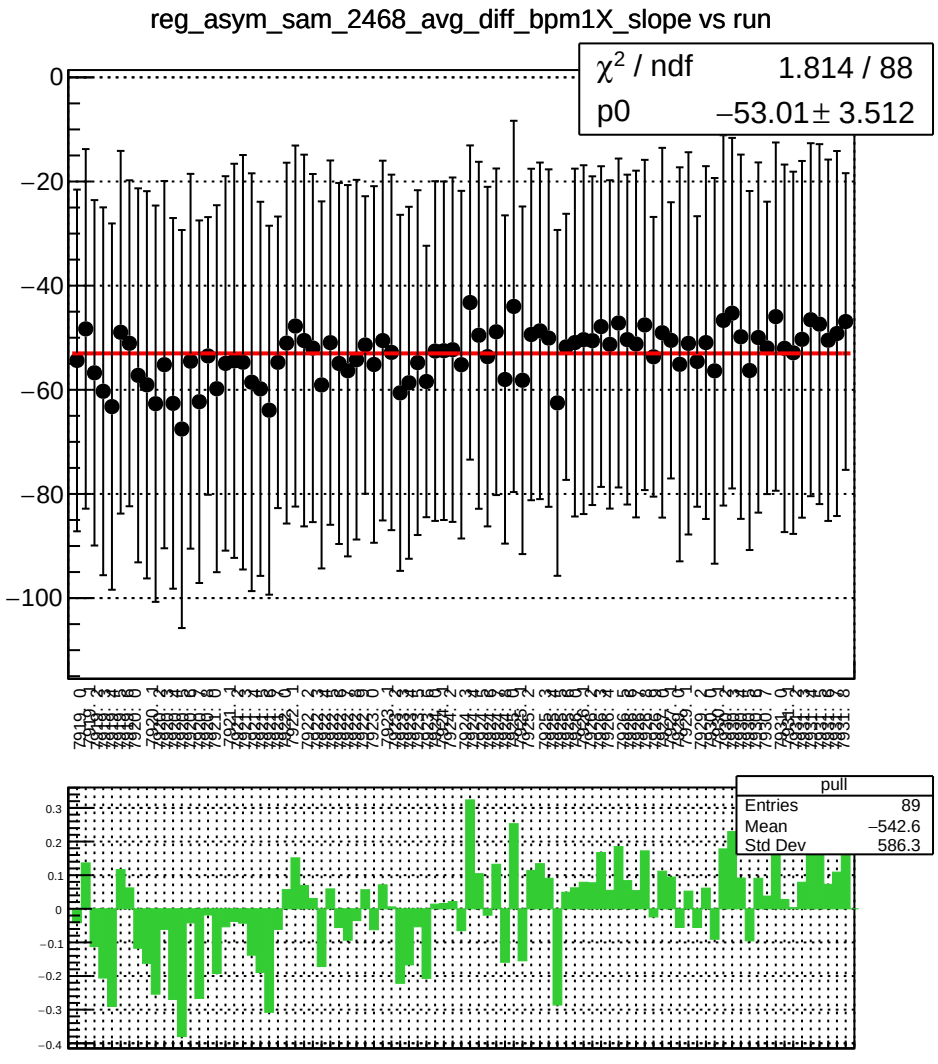

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.354 / 88
p0 −15.47 ± 1.489
pull
Entries 89
Mean −792.9
Std Dev 837.9

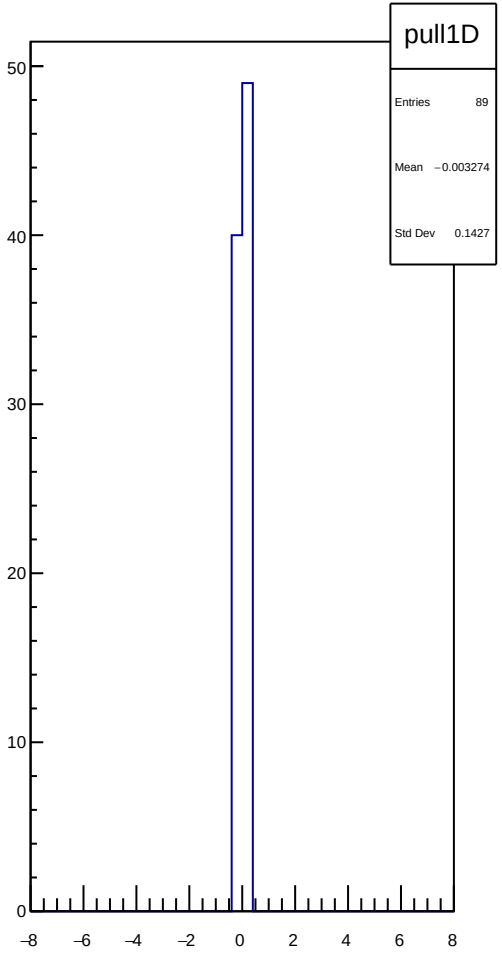

pull1D
Entries 89
Mean 0.003346
Std Dev 0.1941

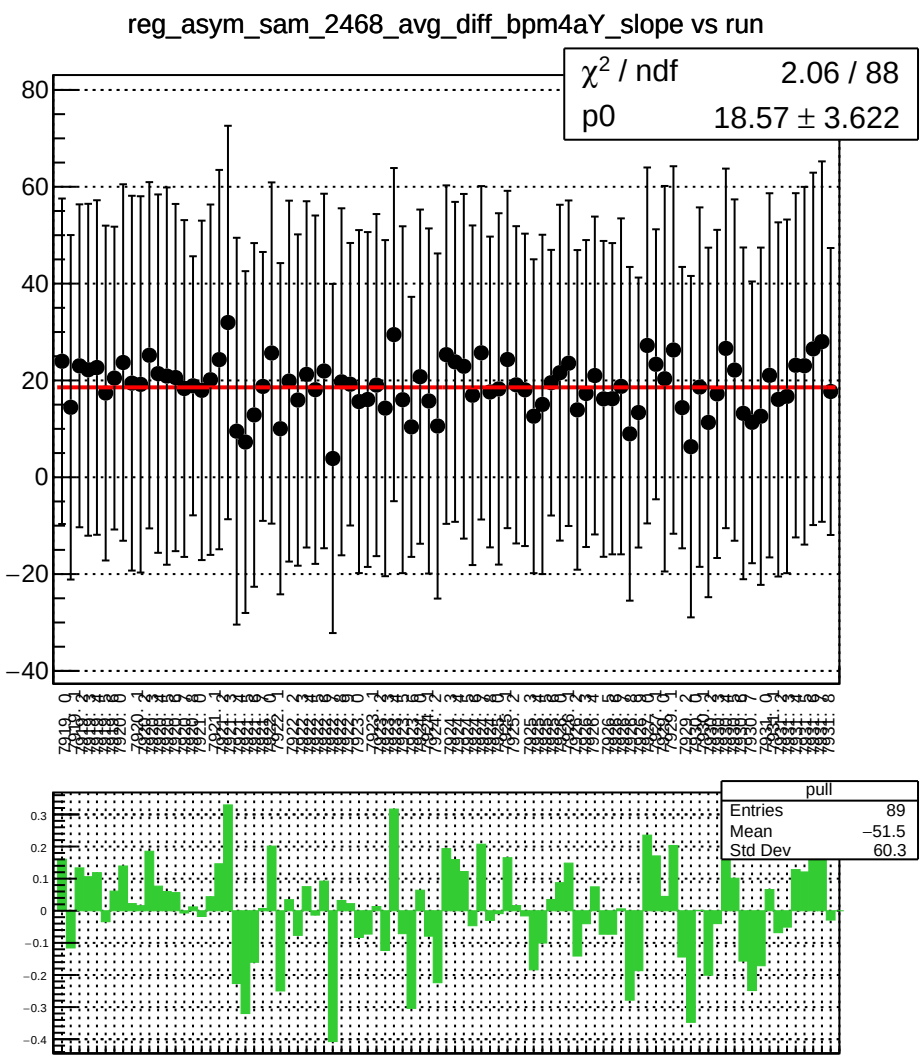

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.737 / 88
p0 9.299 ± 1.974
pull
Entries 89
Mean −293.4
Std Dev 335.3
pull1D
Entries 89
Mean −0.004367
Std Dev 0.2307

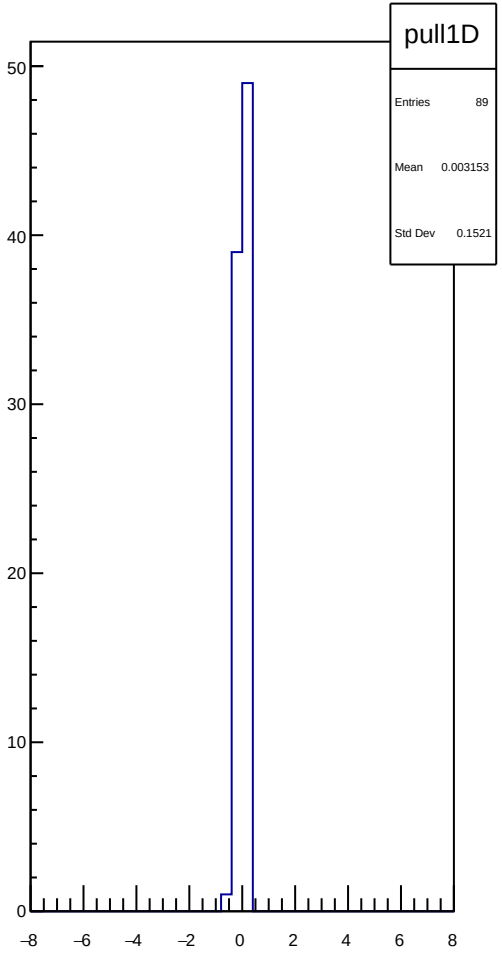

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.456 / 88
p0 −0.514 ± 0.05705
pull
Entries 89
Mean 3666
Std Dev 3621

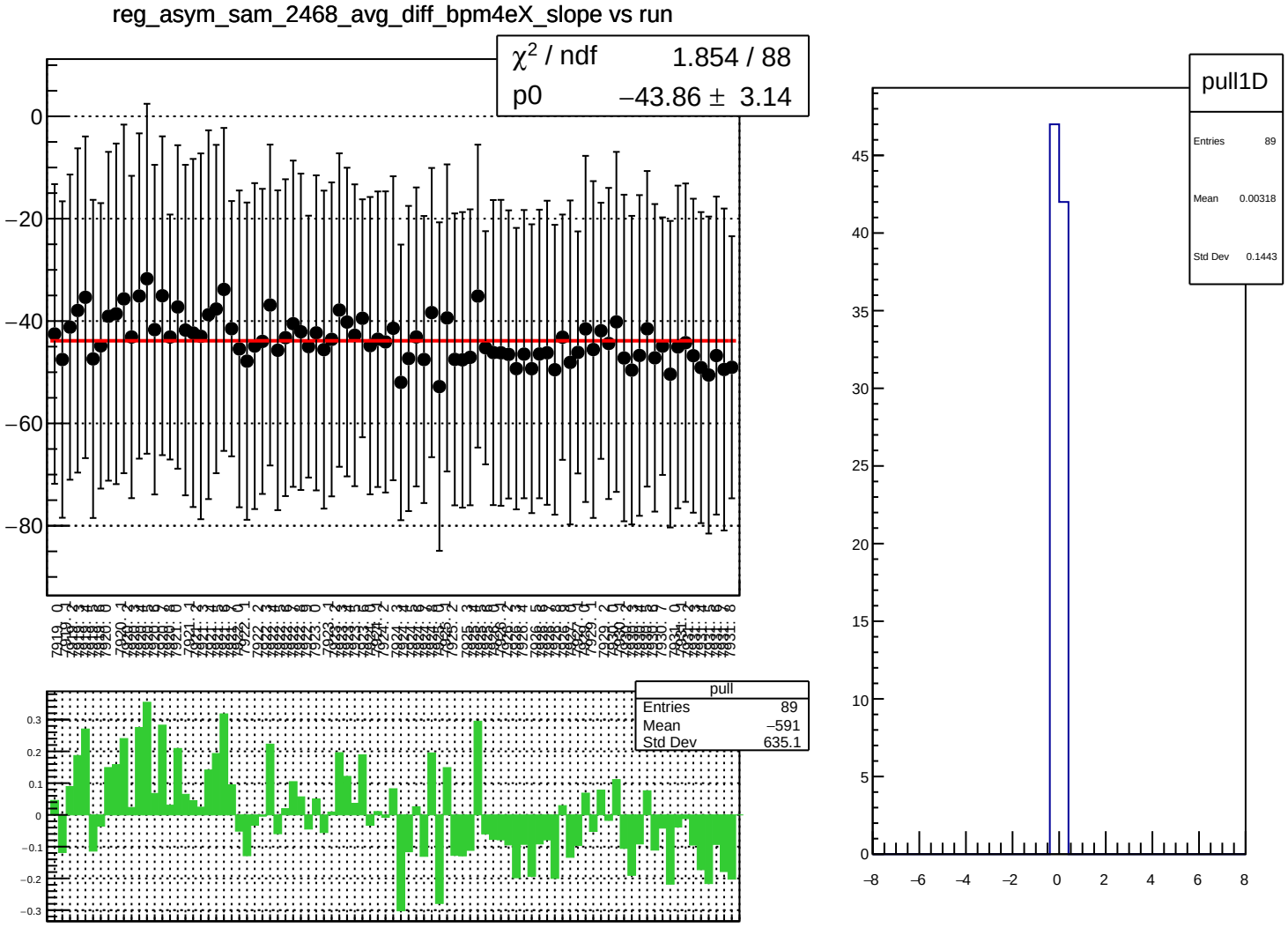

pull1D
Entries 89
Mean 0.0005484
Std Dev 0.2237

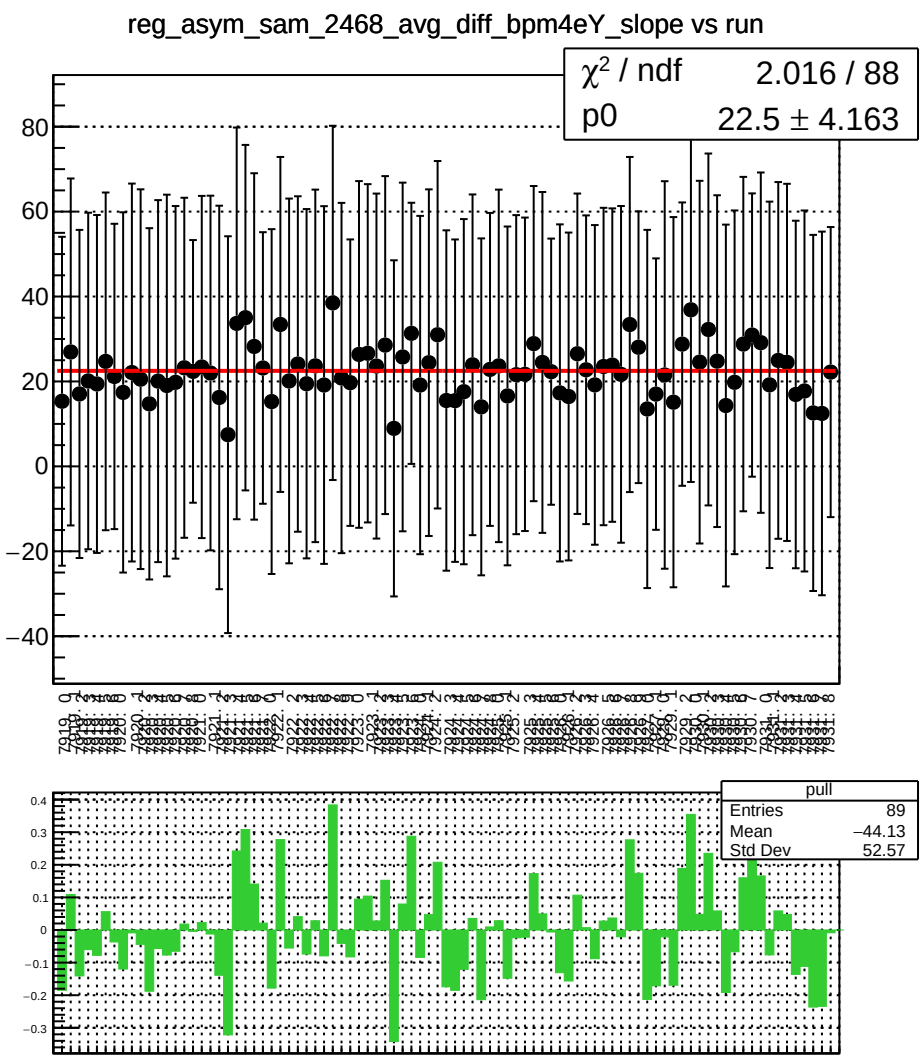

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.814 / 88
p0 −53.01 ± 3.512
pull
Entries 89
Mean −542.6
Std Dev 586.3

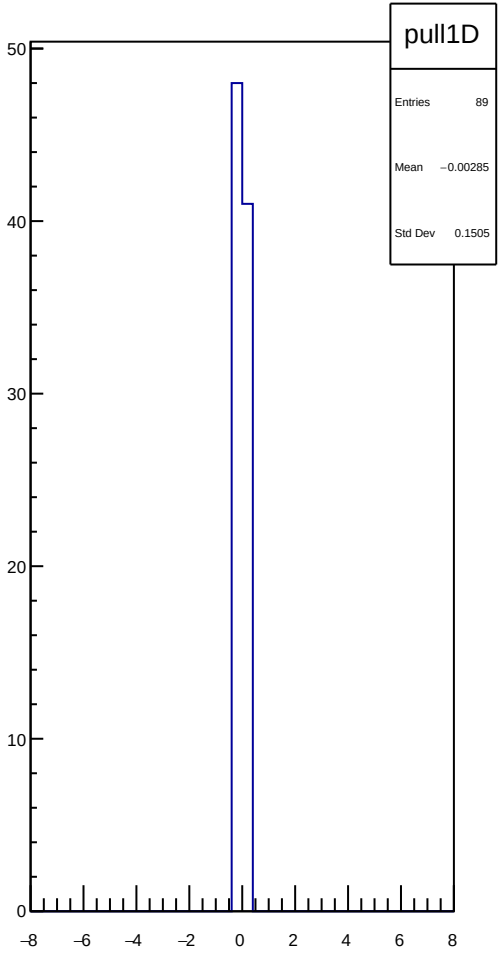

pull1D
Entries 89
Mean −0.003274
Std Dev 0.1427

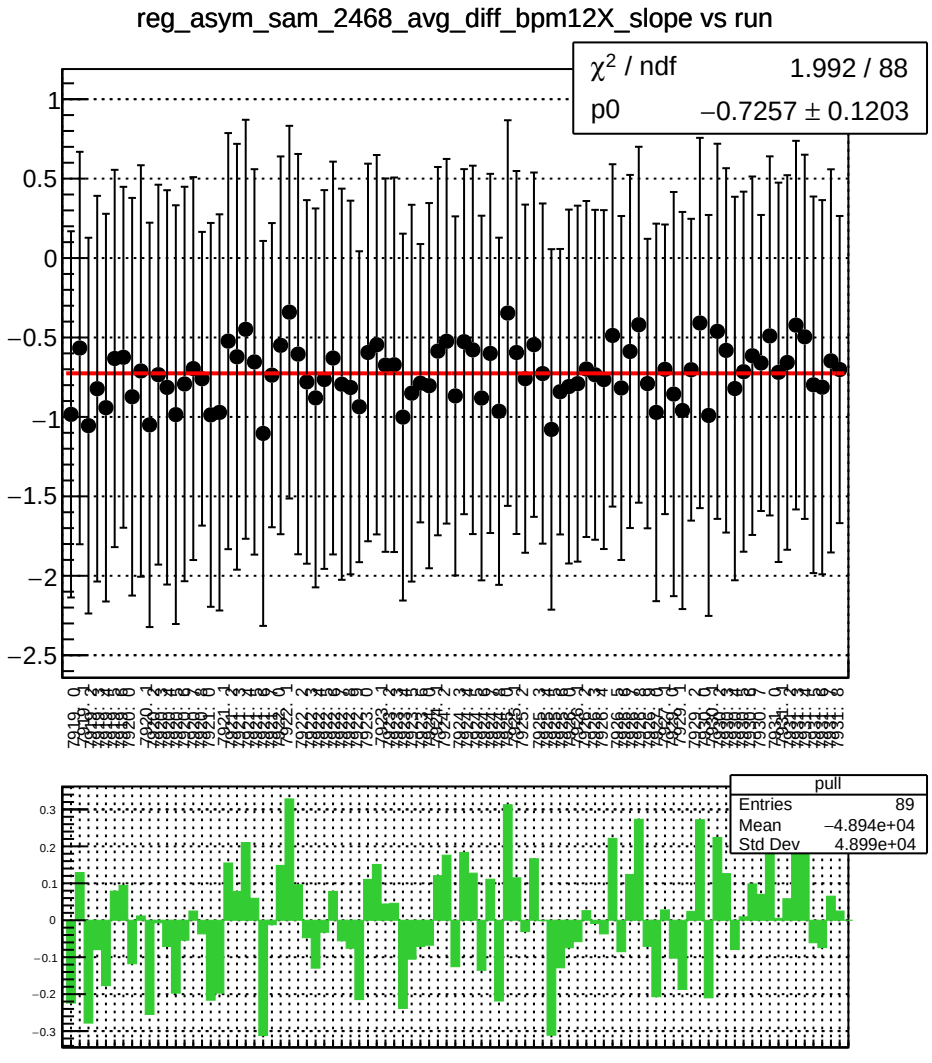

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.06 / 88
p0 18.57 ± 3.622
pull
Entries 89
Mean −51.5
Std Dev 60.3

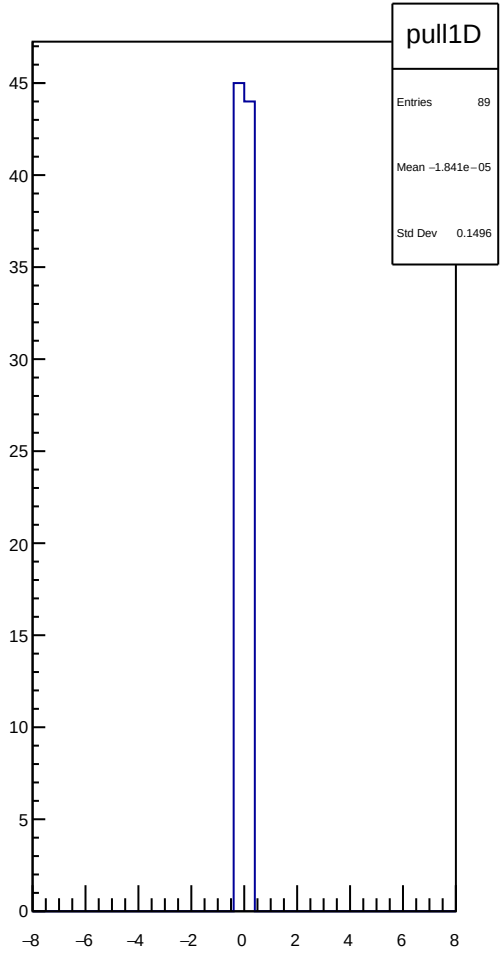

pull1D
Entries 89
Mean 0.003153
Std Dev 0.1521

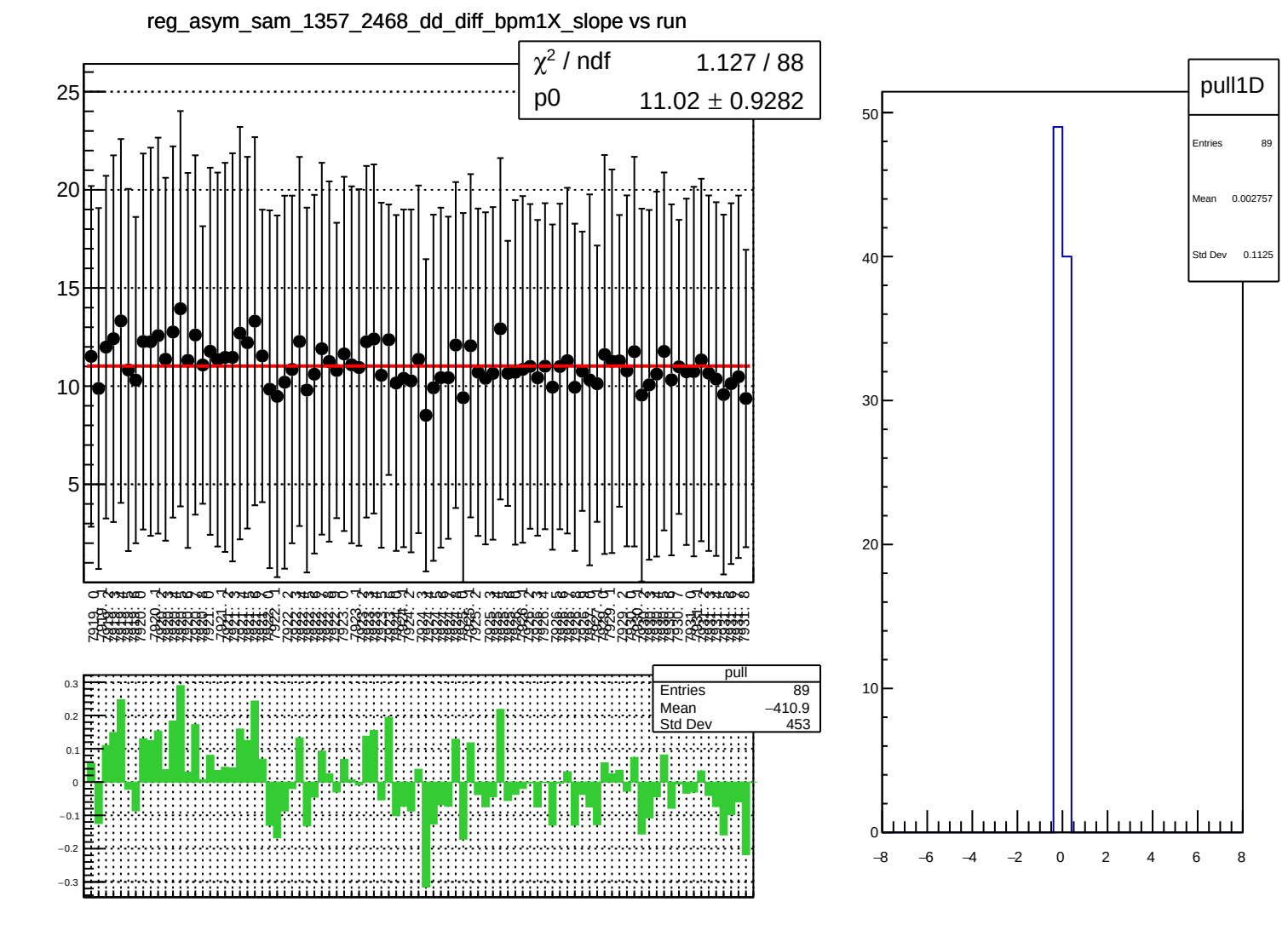

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.854 / 88
p0 −43.86 ± 3.14
pull
Entries 89
Mean −591
Std Dev 635.1
pull1D
Entries 89
Mean 0.00318
Std Dev 0.1443

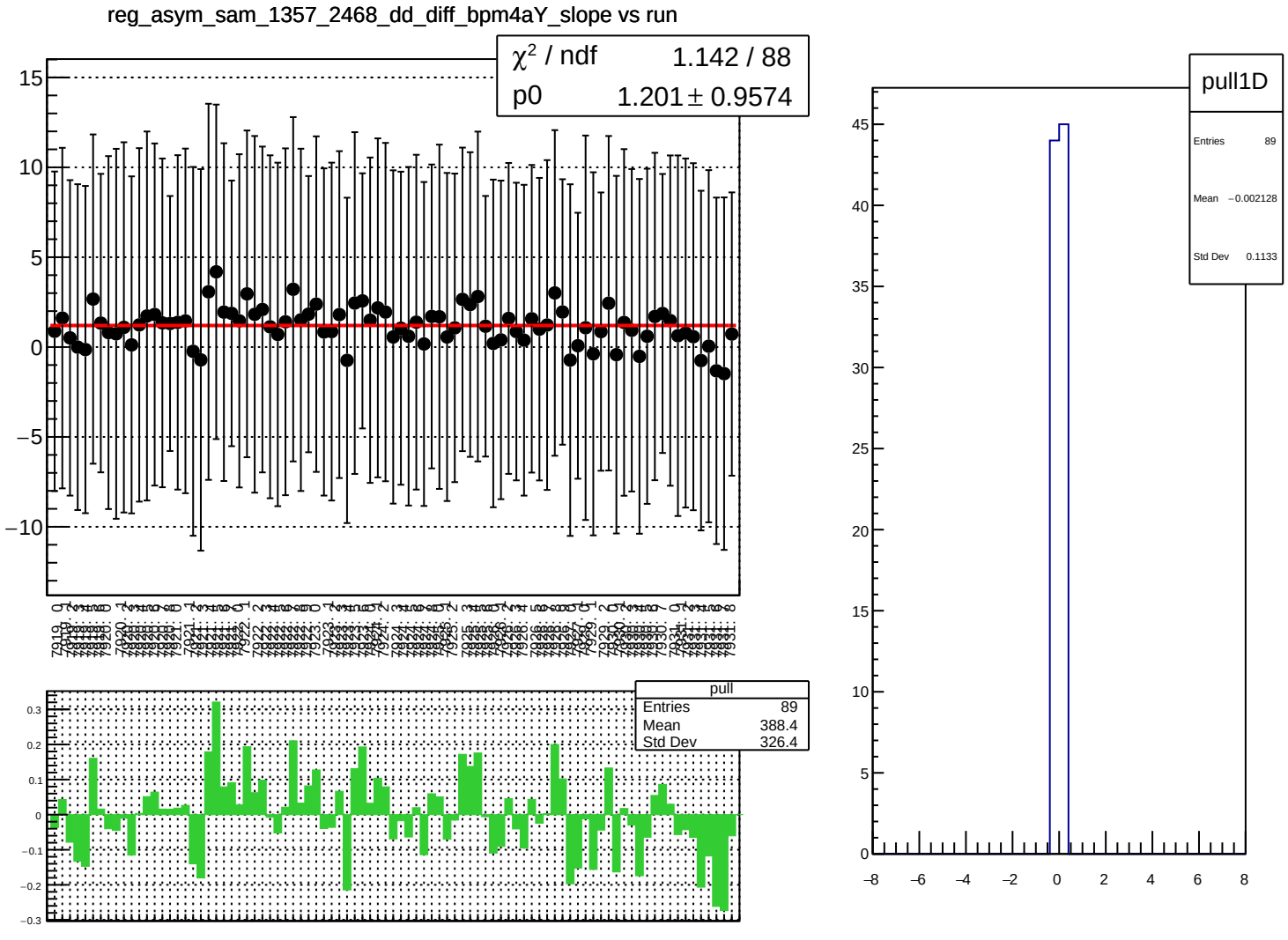

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.016 / 88
p0 22.5 ± 4.163
pull
Entries 89
Mean −44.13
Std Dev 52.57

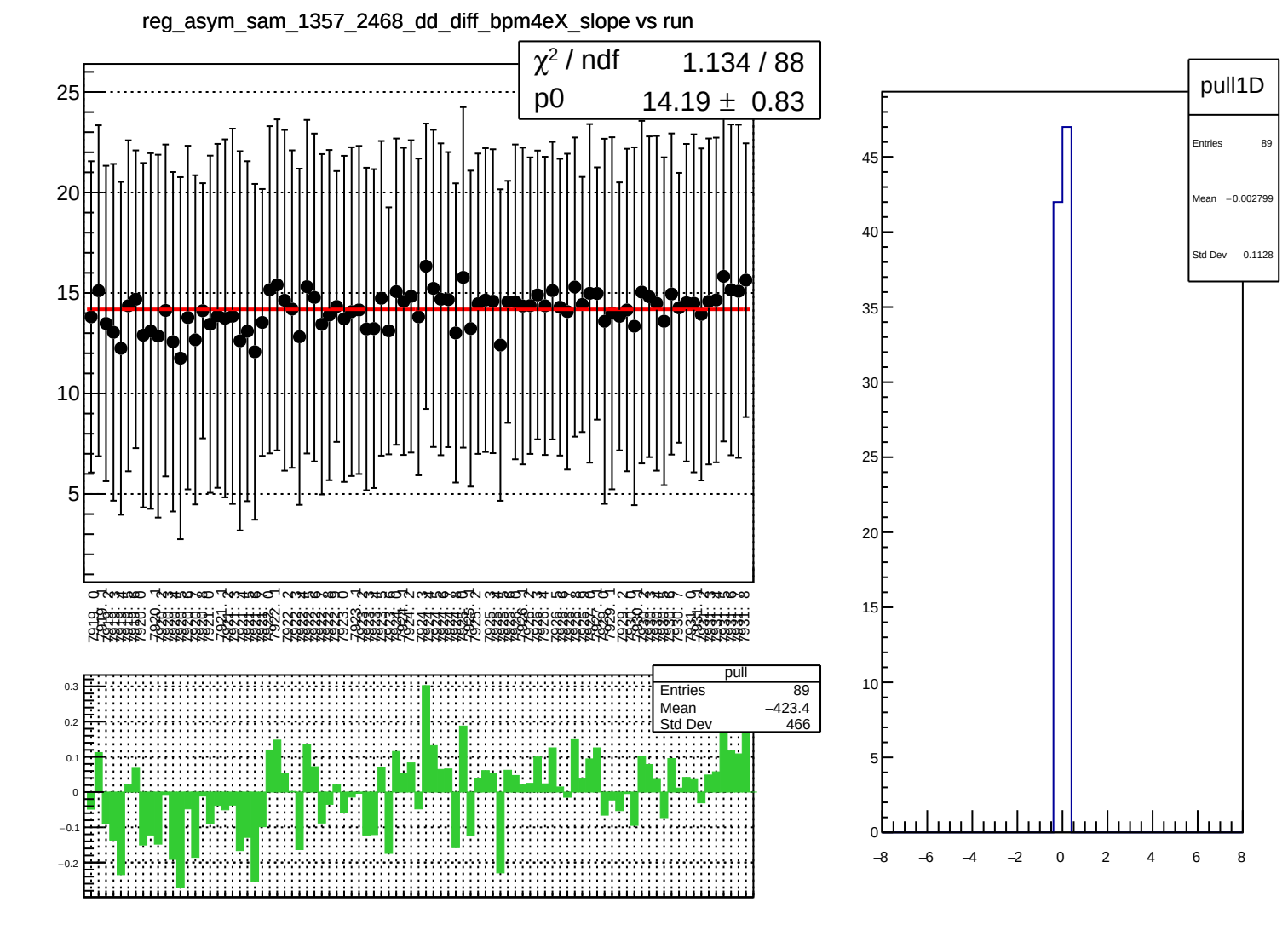

pull1D
Entries 89
Mean −0.00285
Std Dev 0.1505

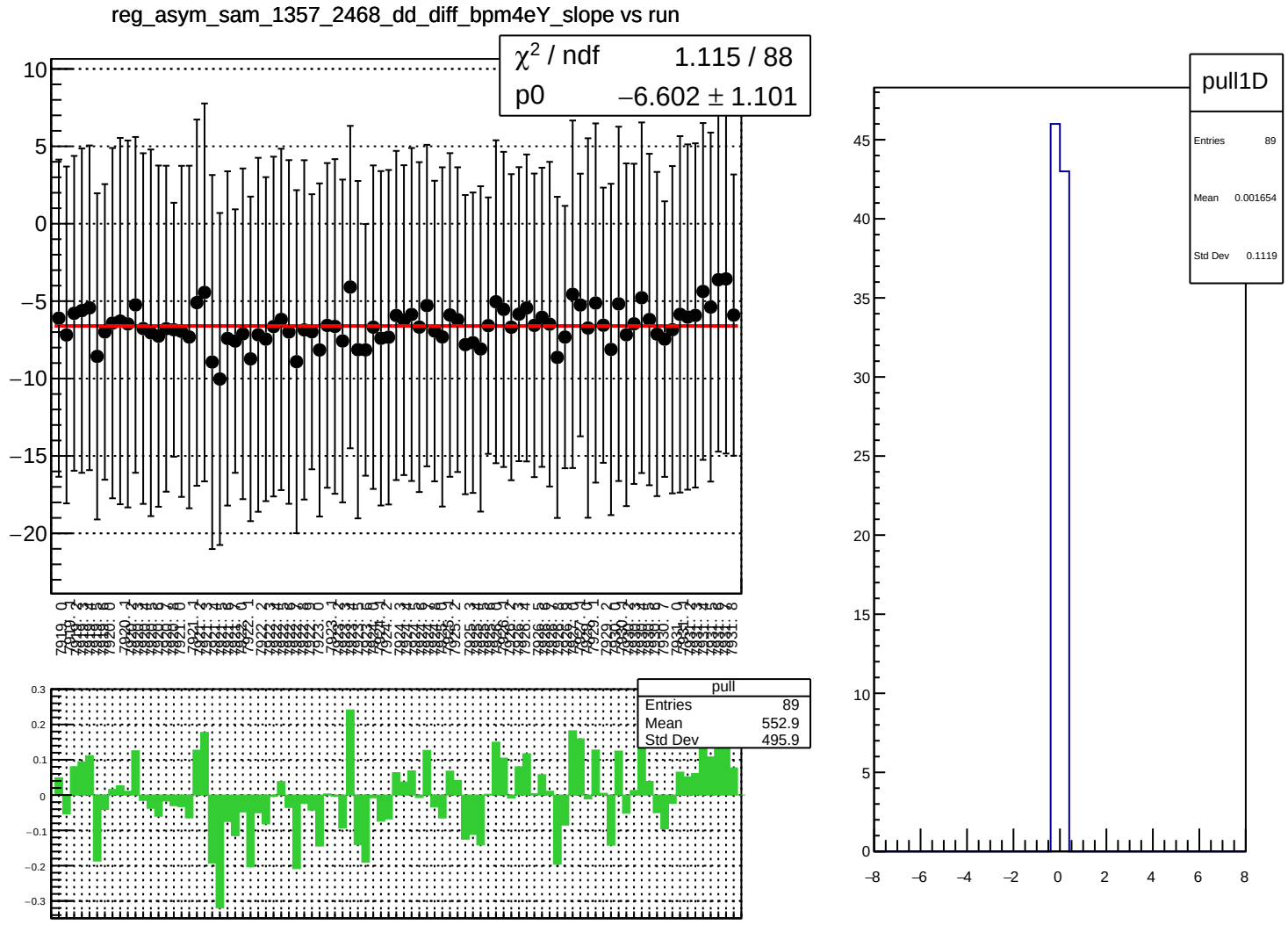

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.992 / 88
p0 −0.7257 ± 0.1203
pull
Entries 89
Mean −4.894e+04
Std Dev 4.899e+04

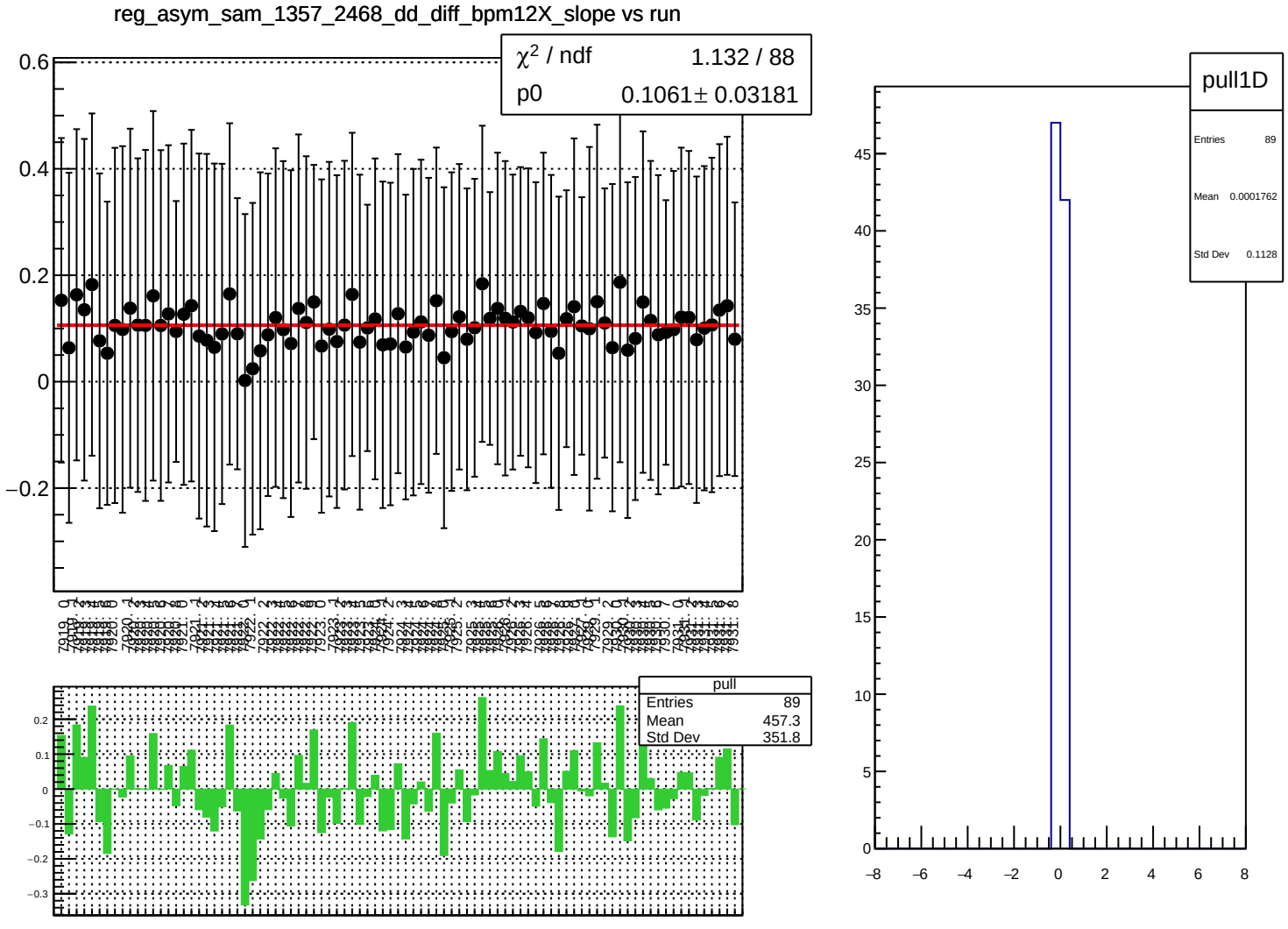

pull1D
Entries 89
Mean −1.841e−05
Std Dev 0.1496

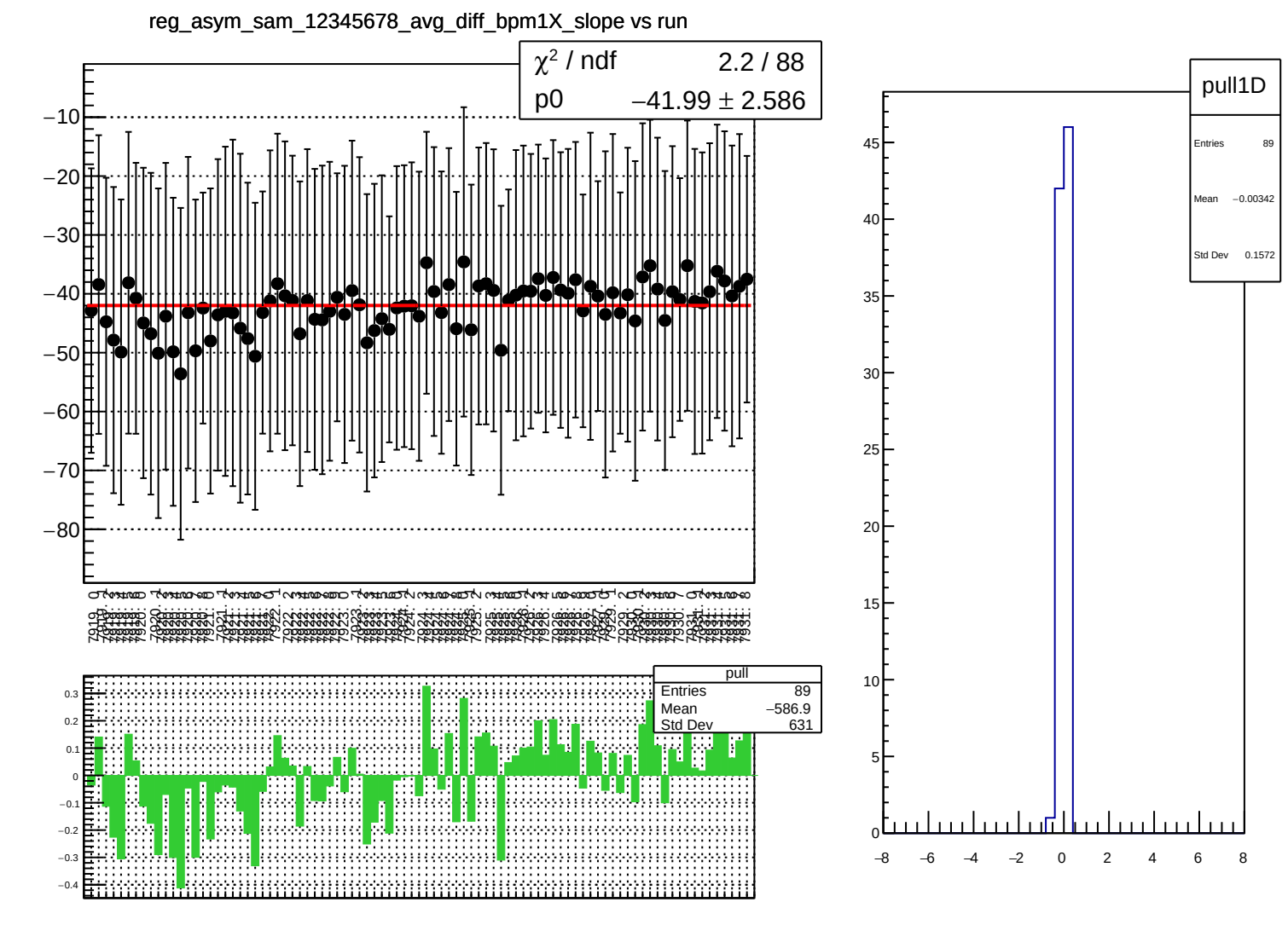

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.127 / 88
p0 11.02 ± 0.9282
pull
Entries 89
Mean −410.9
Std Dev 453
pull1D
Entries 89
Mean 0.002757
Std Dev 0.1125

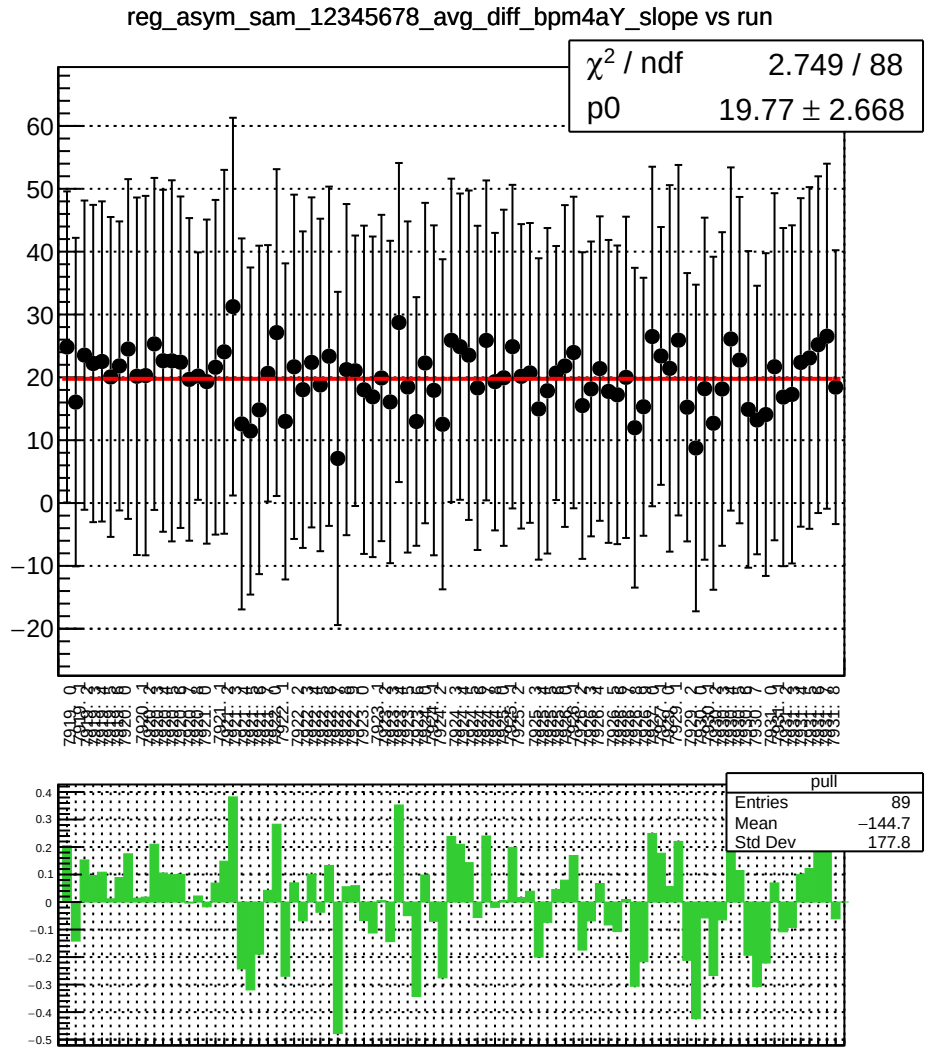

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.142 / 88
p0 1.201 ± 0.9574
pull
Entries 89
Mean 388.4
Std Dev 326.4
pull1D
Entries 89
Mean −0.002128
Std Dev 0.1133

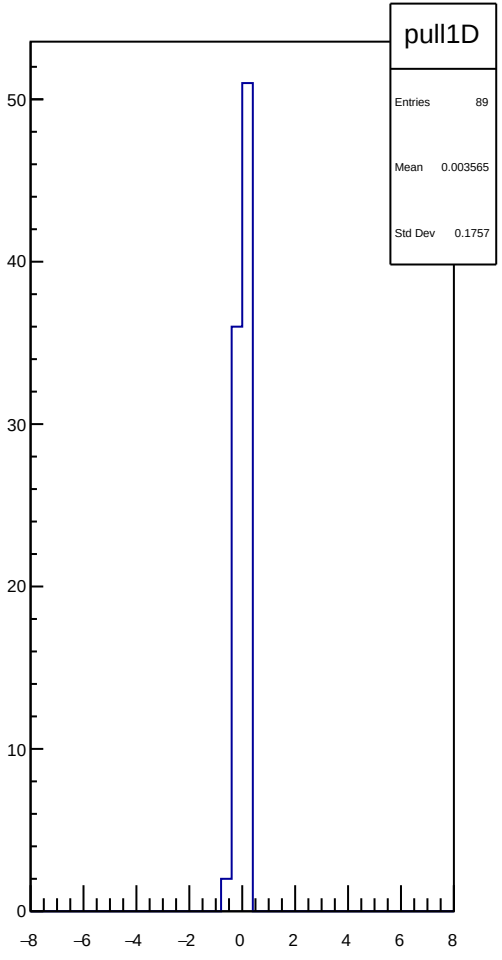

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.134 / 88
p0 14.19 ± 0.83
pull
Entries 89
Mean −423.4
Std Dev 466
pull1D
Entries 89
Mean −0.002799
Std Dev 0.1128

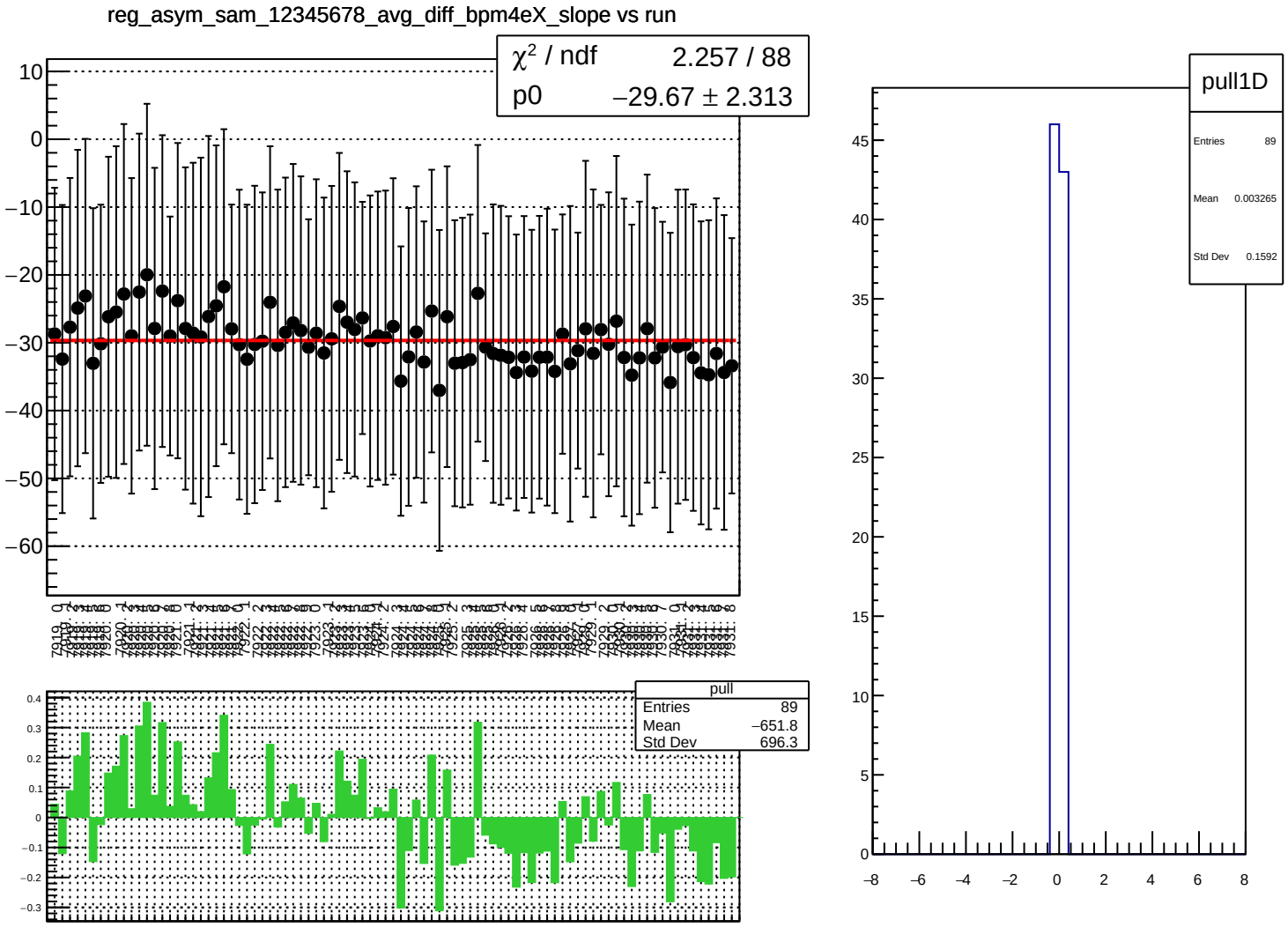

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.115 / 88
p0 −6.602 ± 1.101
pull
Entries 89
Mean 552.9
Std Dev 495.9
pull1D
Entries 89
Mean 0.001654
Std Dev 0.1119

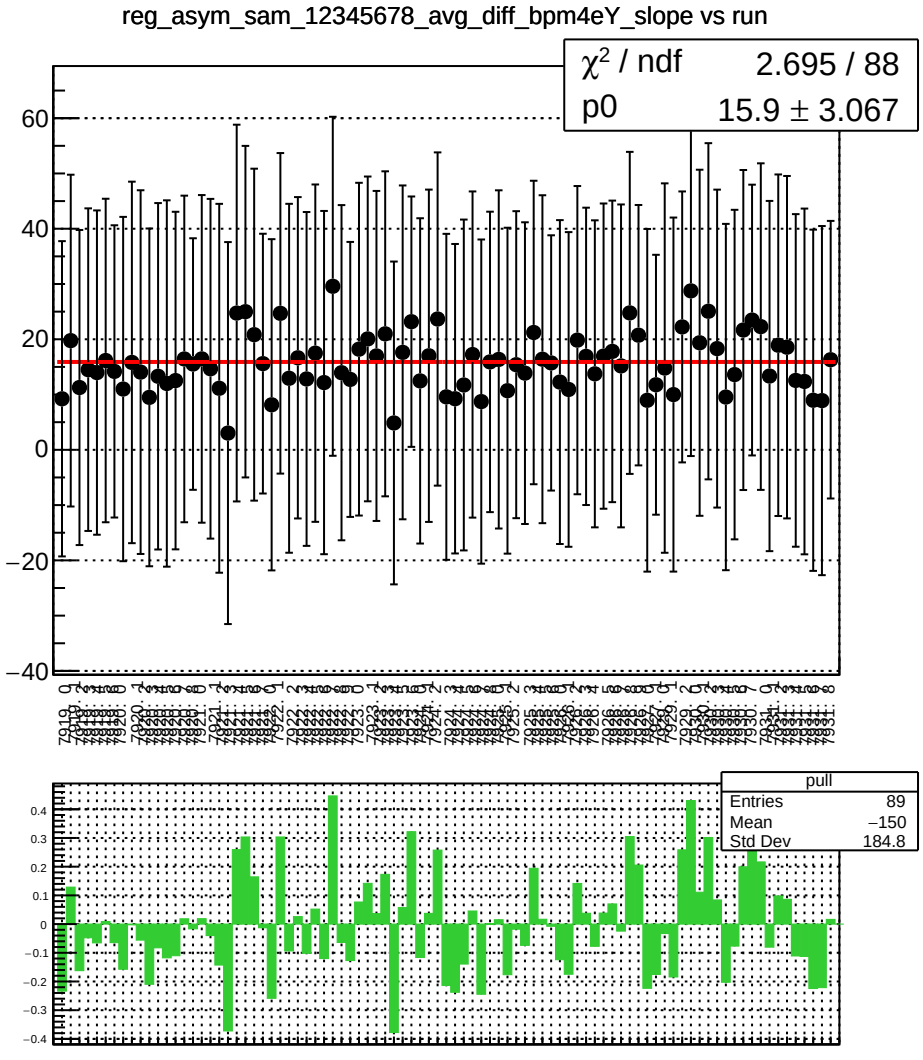

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.132 / 88
p0 0.1061± 0.03181
pull
Entries 89
Mean 457.3
Std Dev 351.8
pull1D
Entries 89
Mean 0.0001762
Std Dev 0.1128

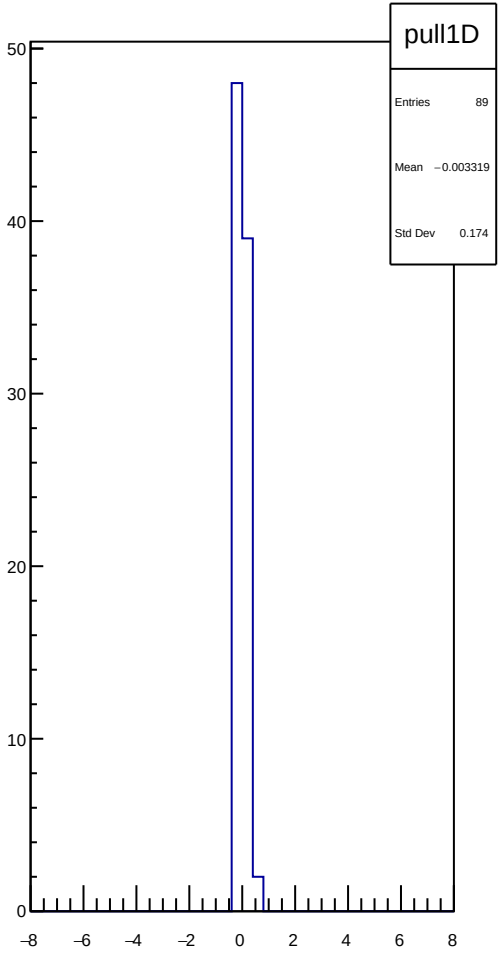

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 2.2 / 88
p0 −41.99 ± 2.586
pull
Entries 89
Mean −586.9
Std Dev 631
pull1D
Entries 89
Mean −0.00342
Std Dev 0.1572

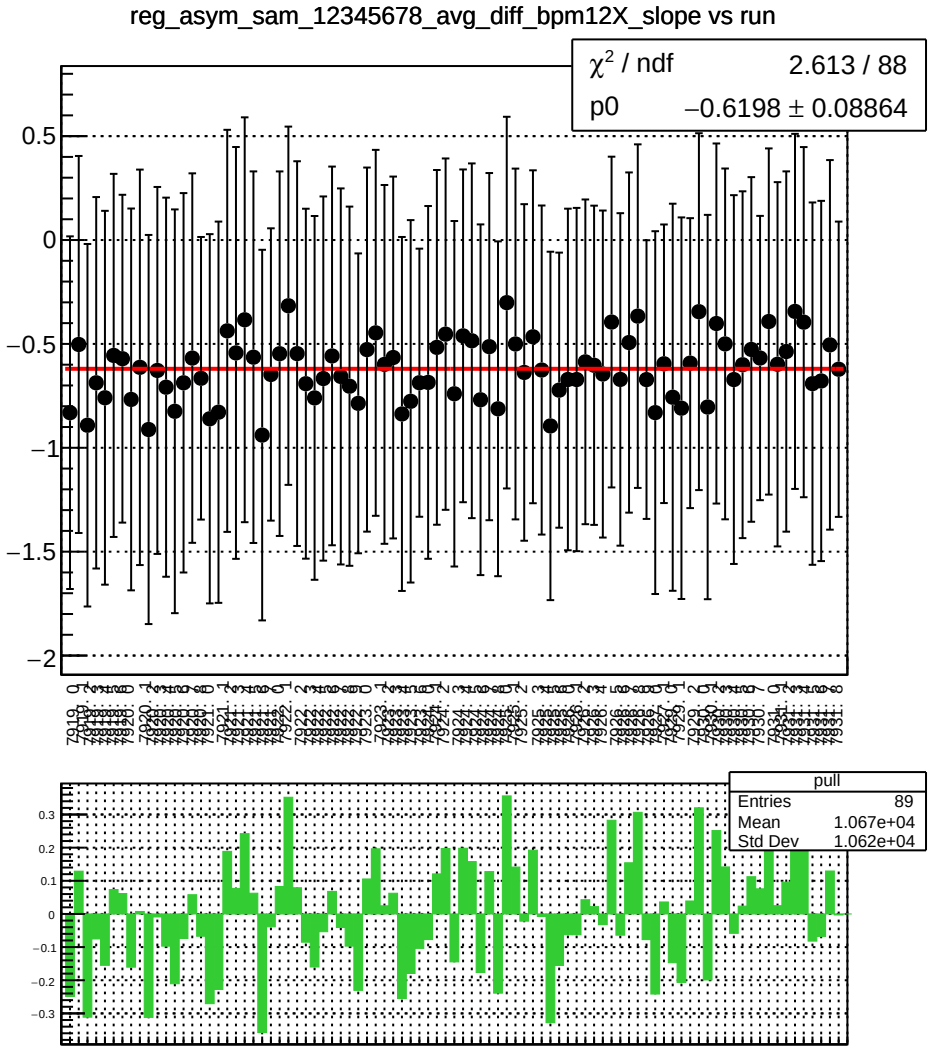

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.749 / 88
p0 19.77 ± 2.668
pull
Entries 89
Mean −144.7
Std Dev 177.8

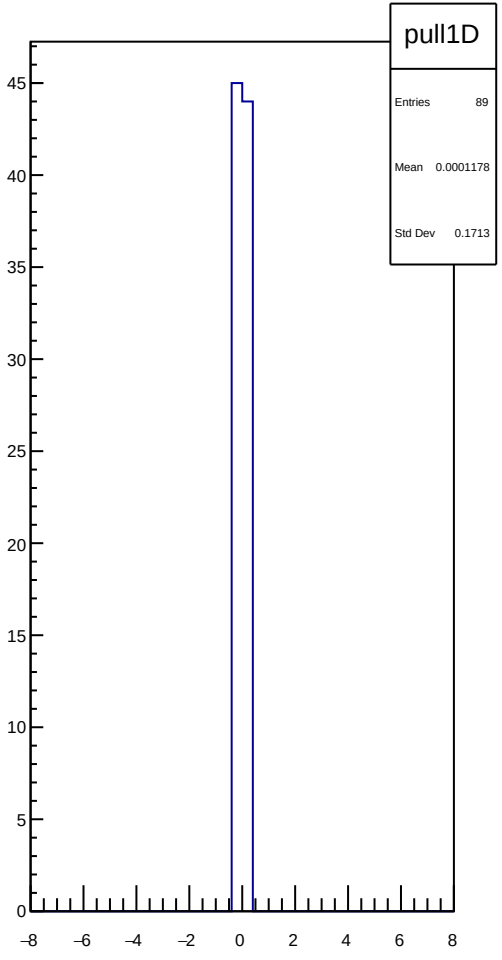

pull1D
Entries 89
Mean 0.003565
Std Dev 0.1757

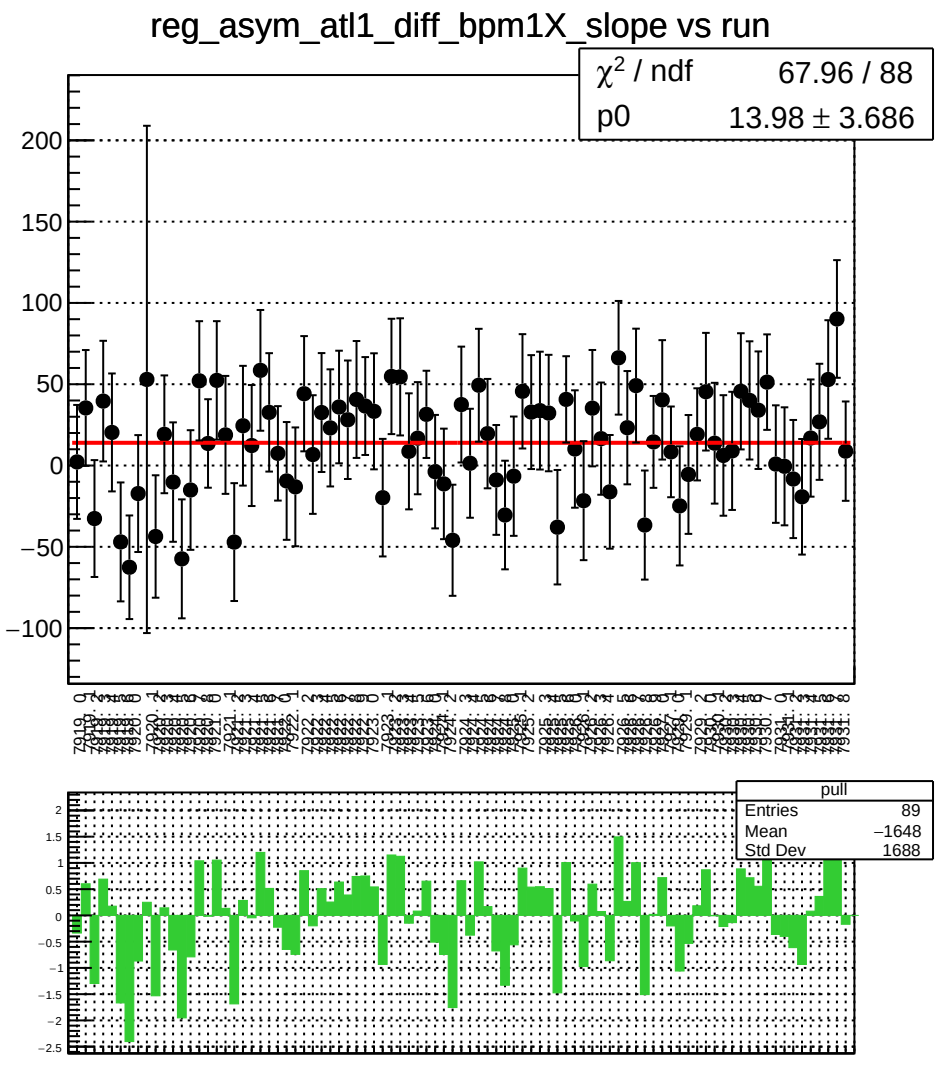

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.257 / 88
p0 −29.67 ± 2.313
pull
Entries 89
Mean −651.8
Std Dev 696.3
pull1D
Entries 89
Mean 0.003265
Std Dev 0.1592

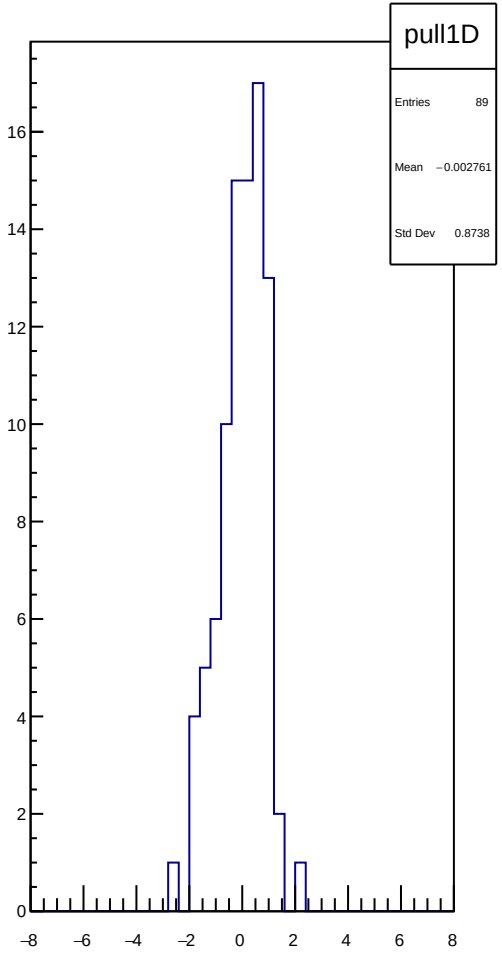

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.695 / 88
p0 15.9 ± 3.067
pull
Entries 89
Mean −150
Std Dev 184.8

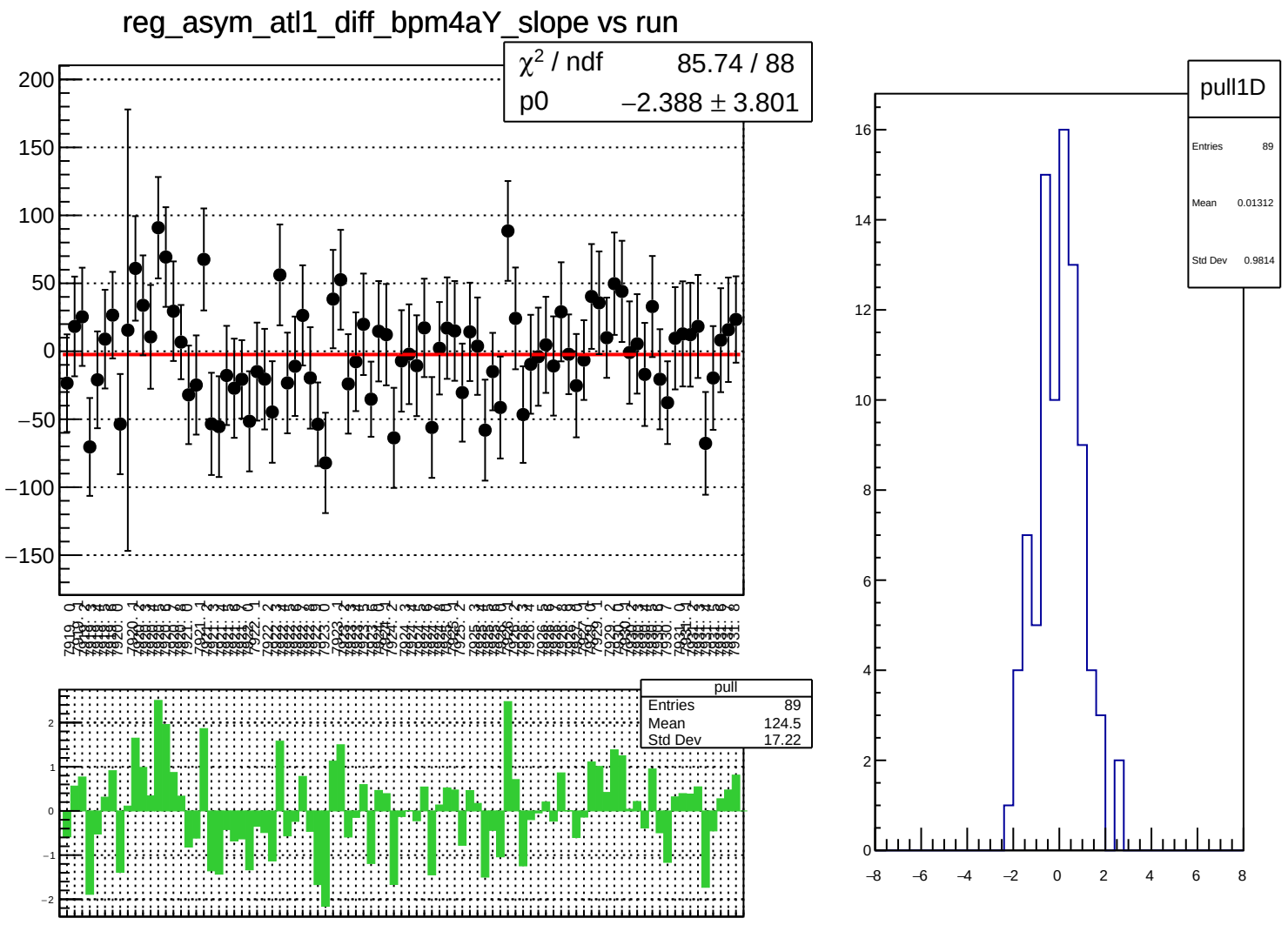

pull1D
Entries 89
Mean −0.003319
Std Dev 0.174

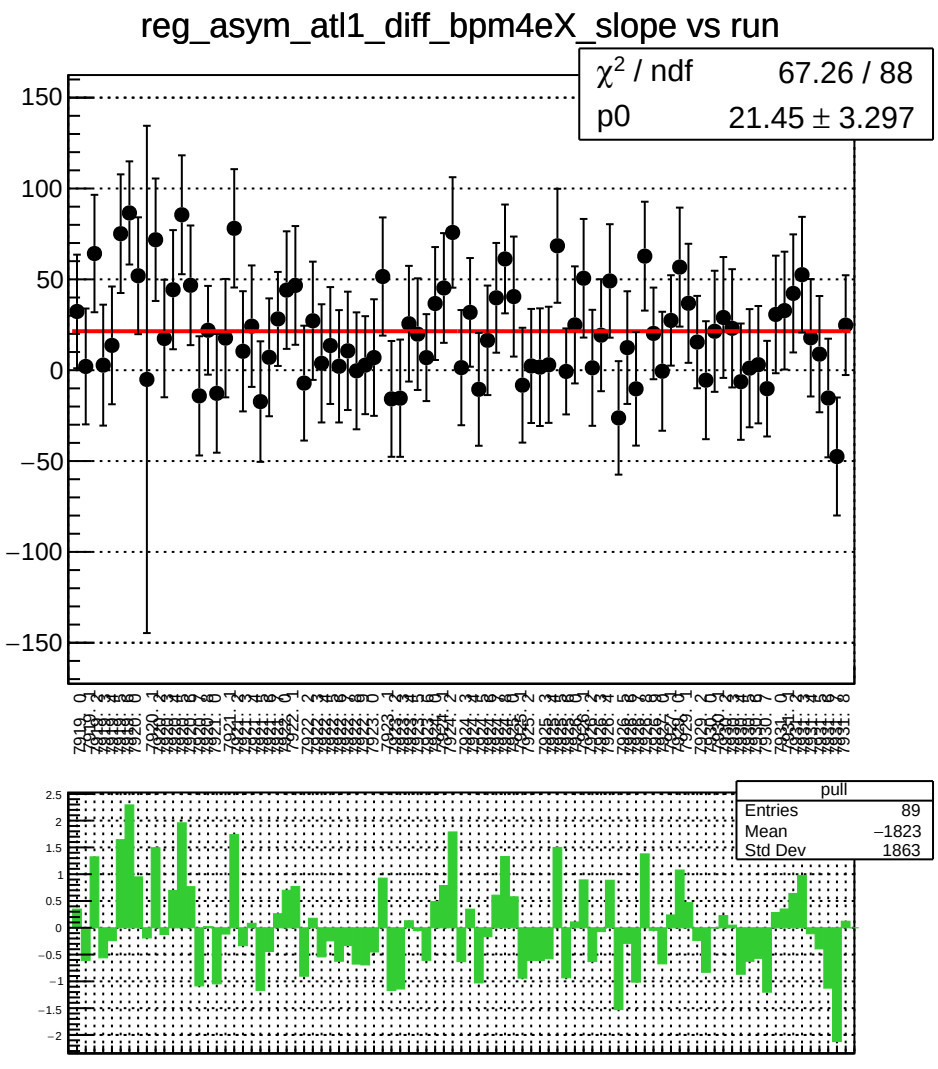

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.613 / 88
p0 −0.6198 ± 0.08864
pull
Entries 89
Mean 1.067e+04
Std Dev 1.062e+04

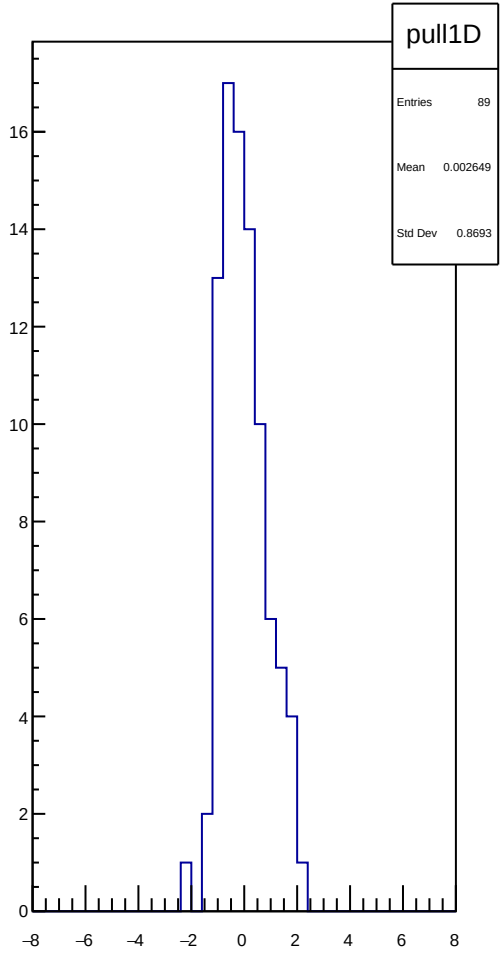

pull1D
Entries 89
Mean 0.0001178
Std Dev 0.1713

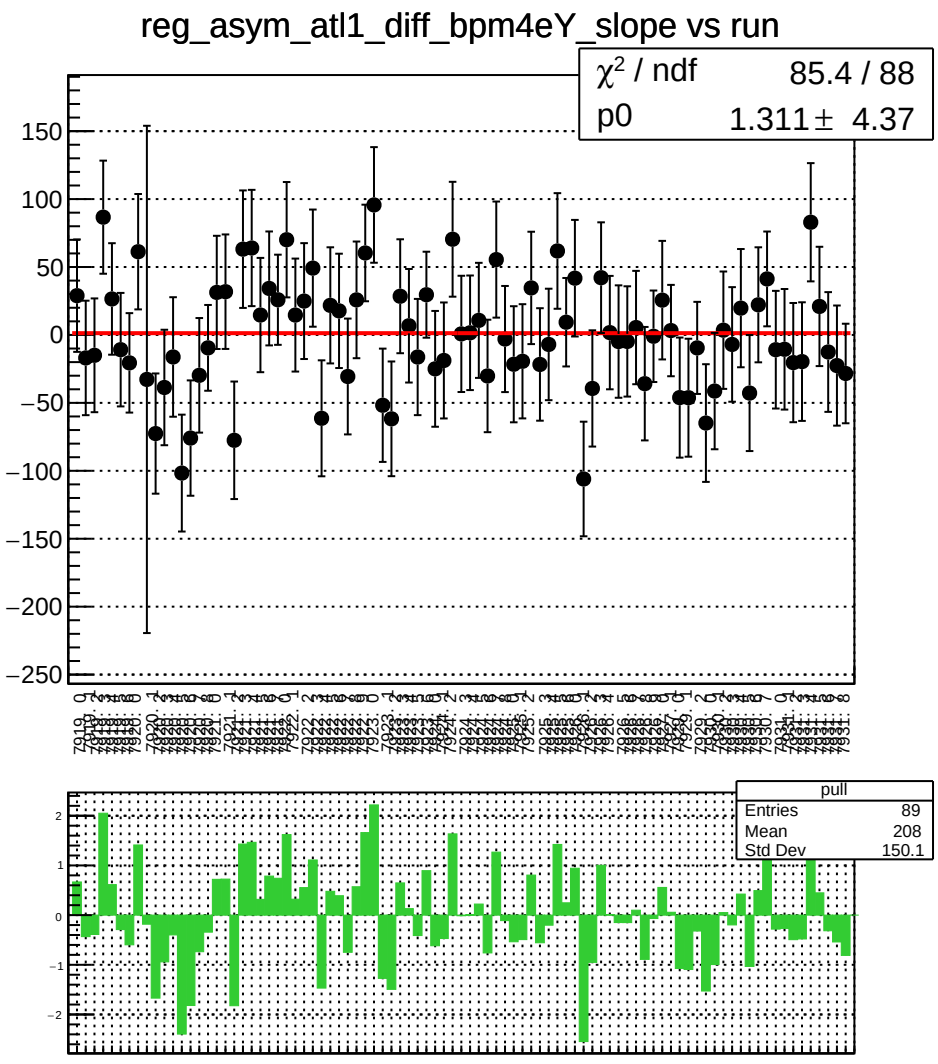

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 67.96 / 88
p0 13.98 ± 3.686
pull
Entries 89
Mean −1648
Std Dev 1688

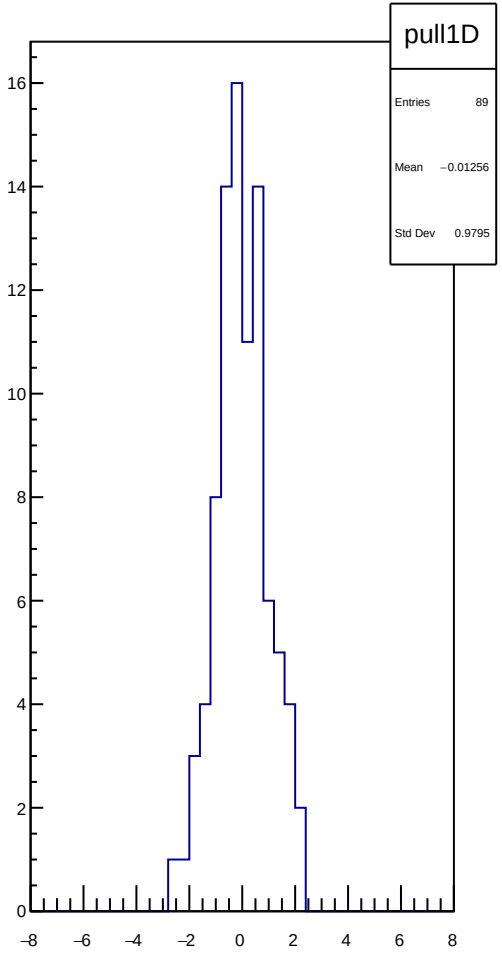

pull1D
Entries 89
Mean −0.002761
Std Dev 0.8738

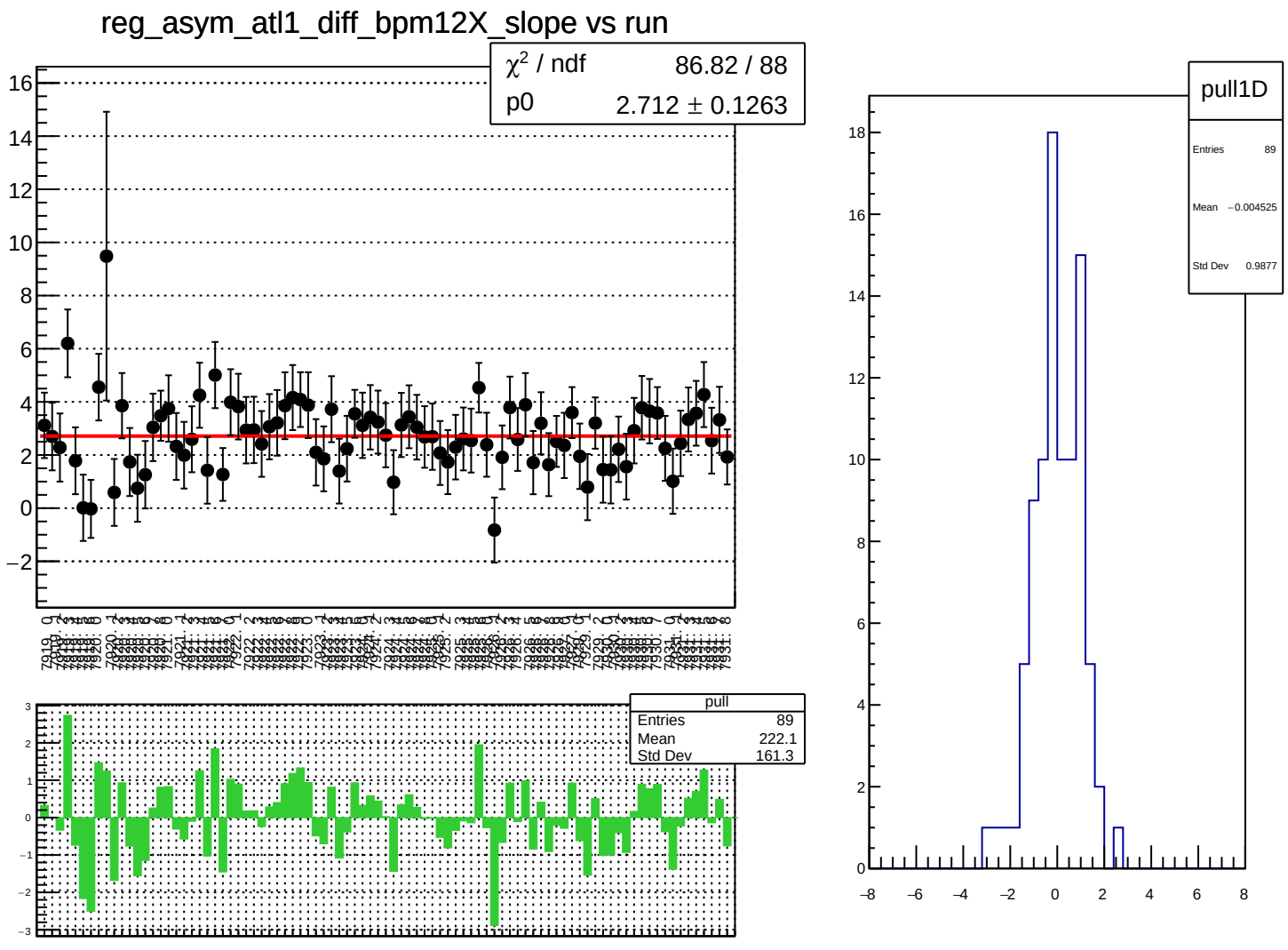

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 85.74 / 88
p0 −2.388 ± 3.801
pull
Entries 89
Mean 124.5
Std Dev 17.22
pull1D
Entries 89
Mean 0.01312
Std Dev 0.9814

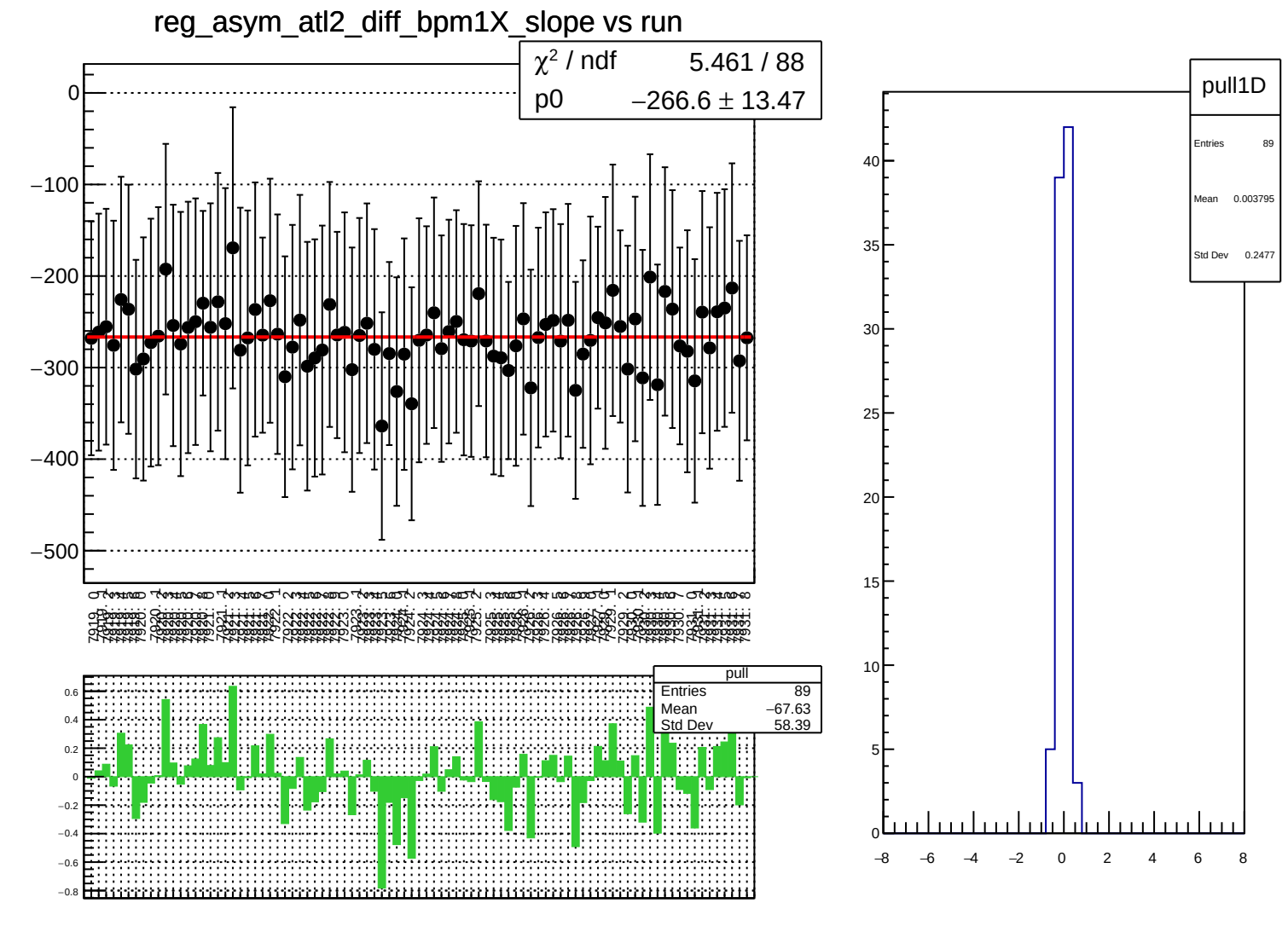

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.26 / 88
p0 21.45 ± 3.297
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −1823
Std Dev 1863
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

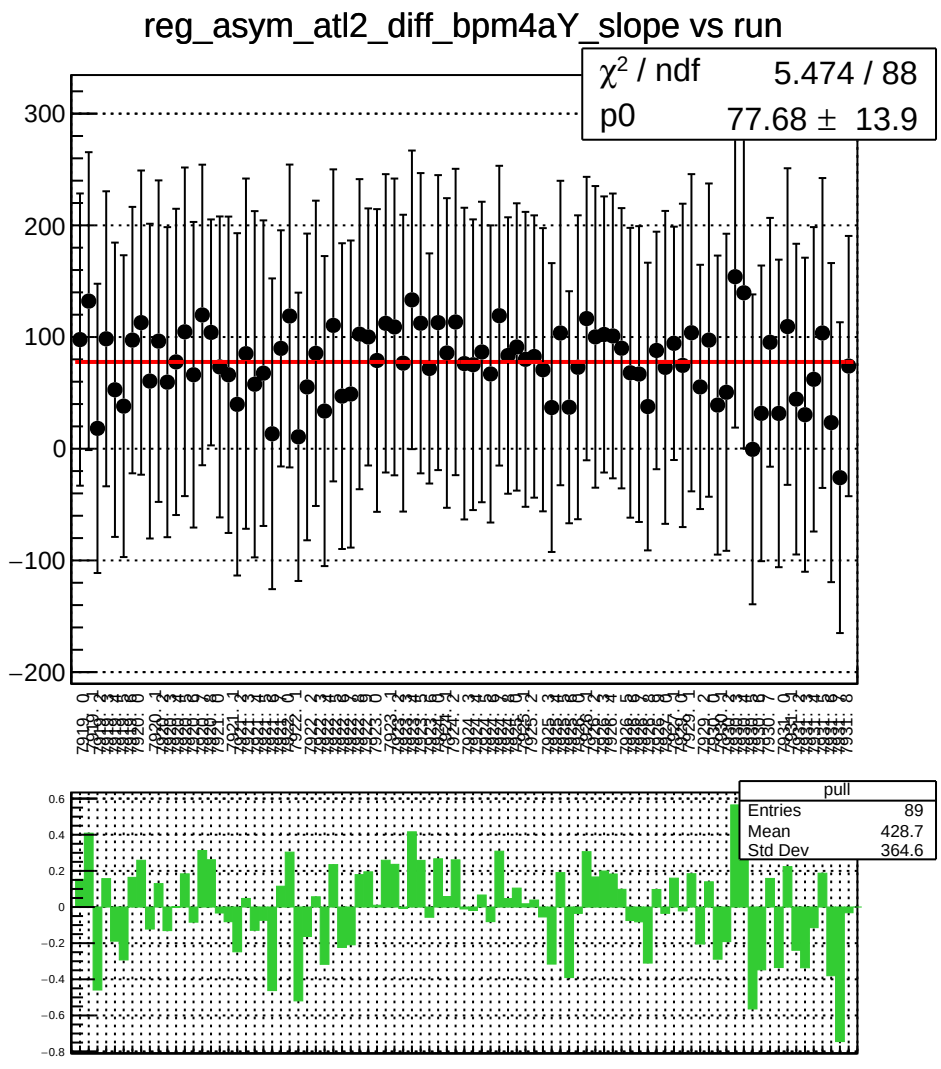

pull1D
Entries 89
Mean 0.002649
Std Dev 0.8693
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

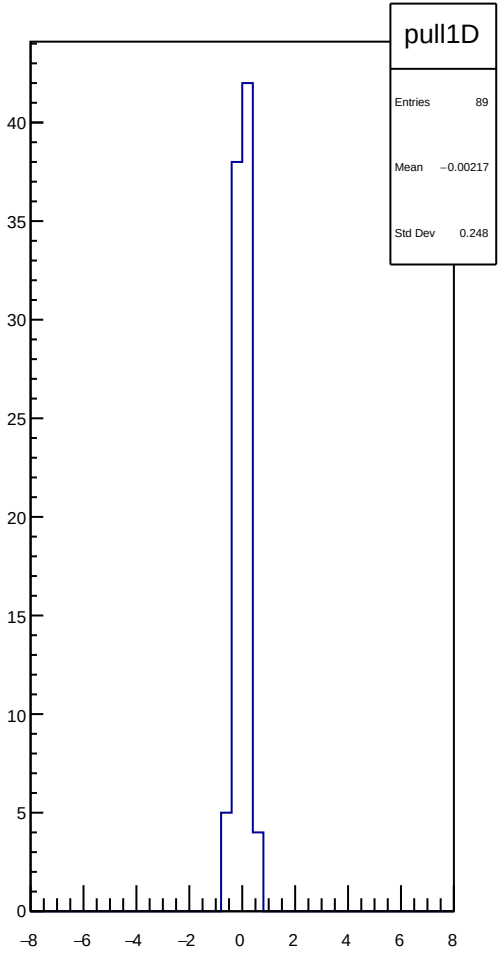

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 85.4 / 88
p0 1.311 ± 4.37
pull
Entries 89
Mean 208
Std Dev 150.1

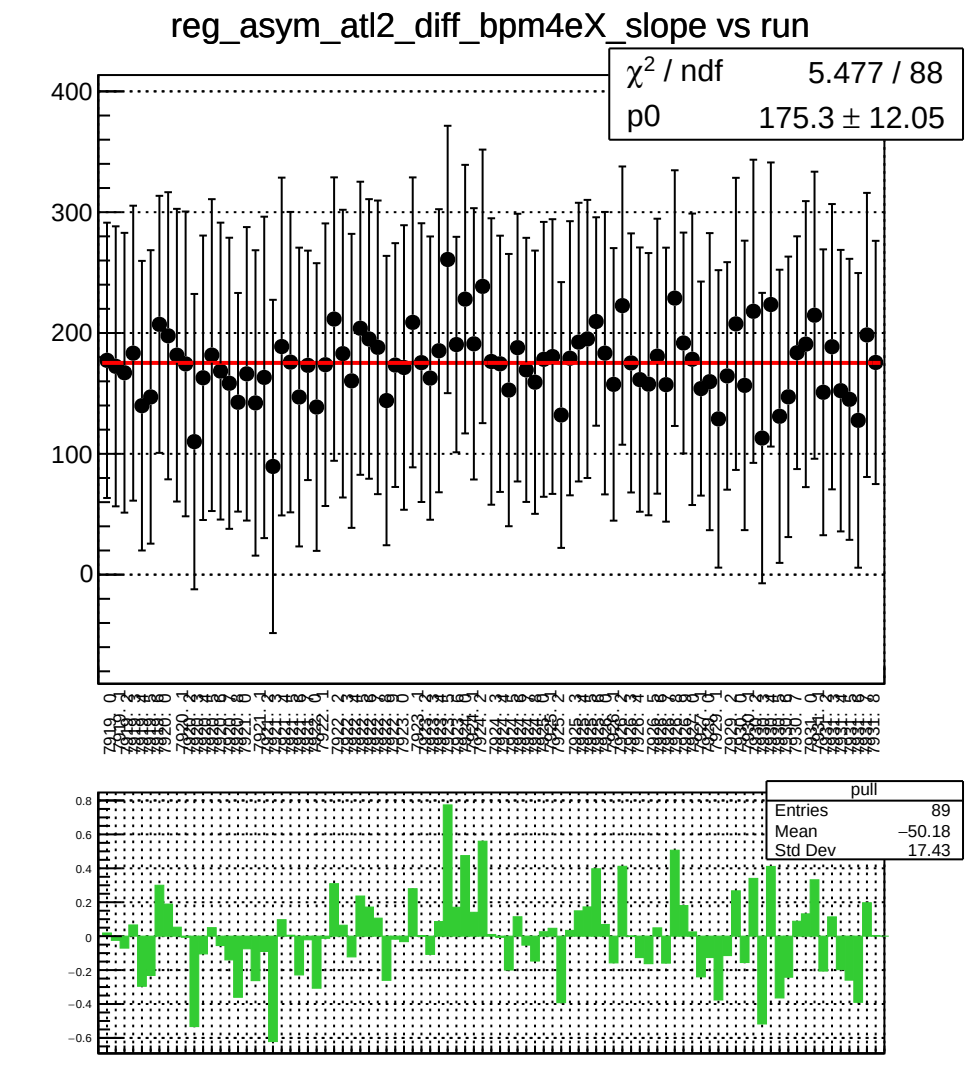

pull1D
Entries 89
Mean −0.01256
Std Dev 0.9795

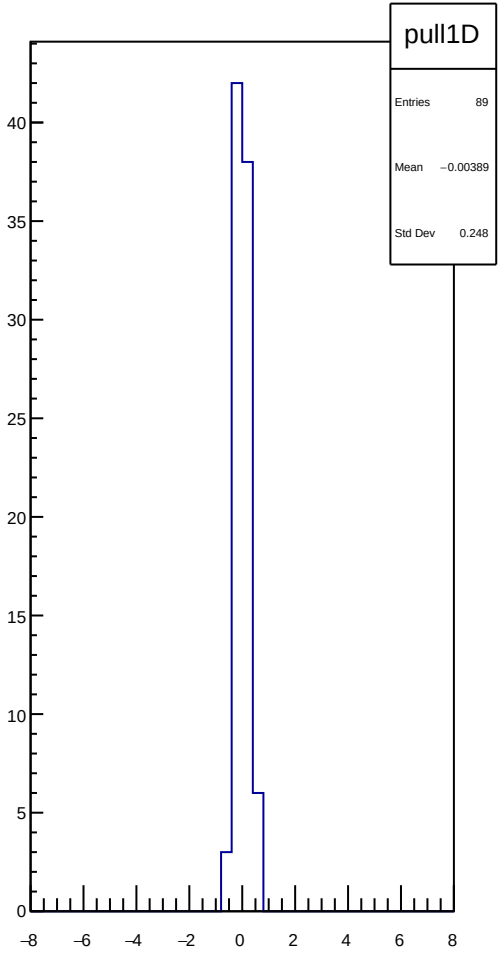

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 86.82 / 88
p0 2.712 ± 0.1263
pull
Entries 89
Mean 222.1
Std Dev 161.3
pull1D
Entries 89
Mean −0.004525
Std Dev 0.9877

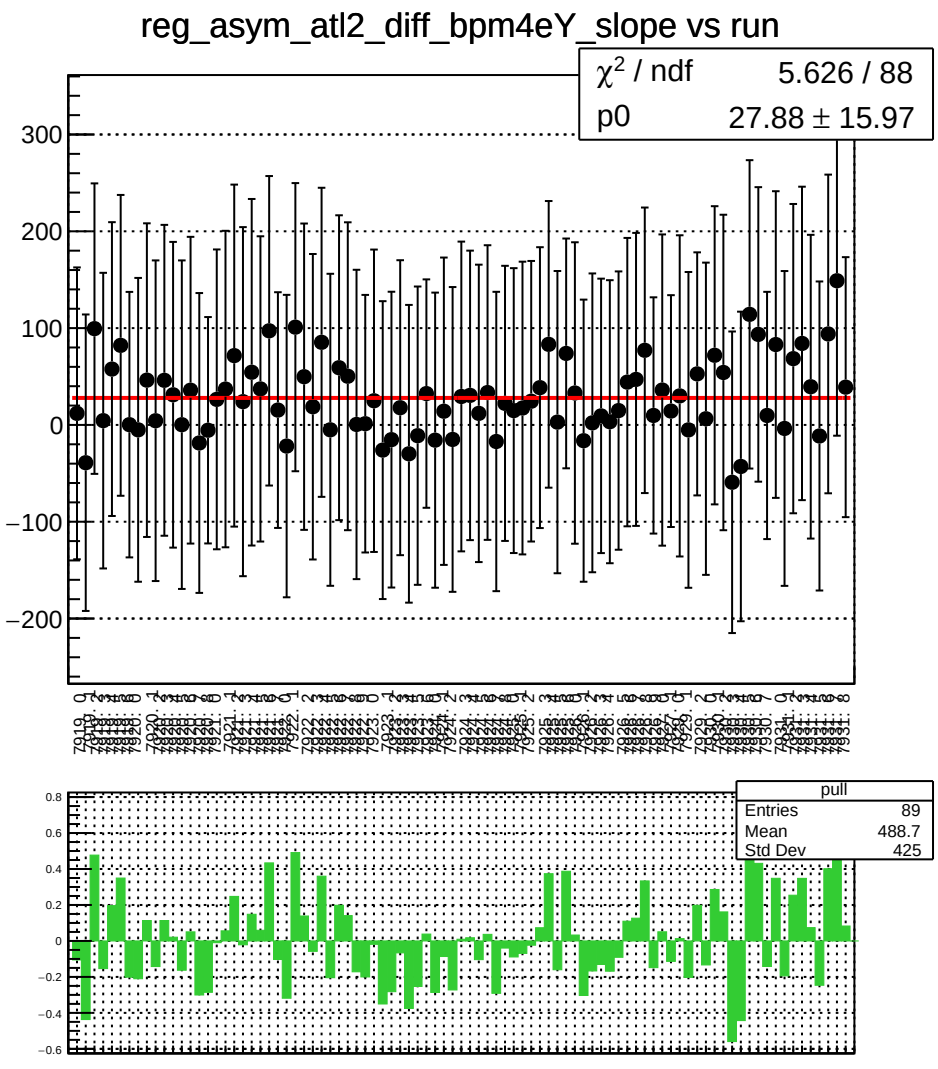

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 5.461 / 88
p0 −266.6 ± 13.47
pull
Entries 89
Mean −67.63
Std Dev 58.39
pull1D
Entries 89
Mean 0.003795
Std Dev 0.2477

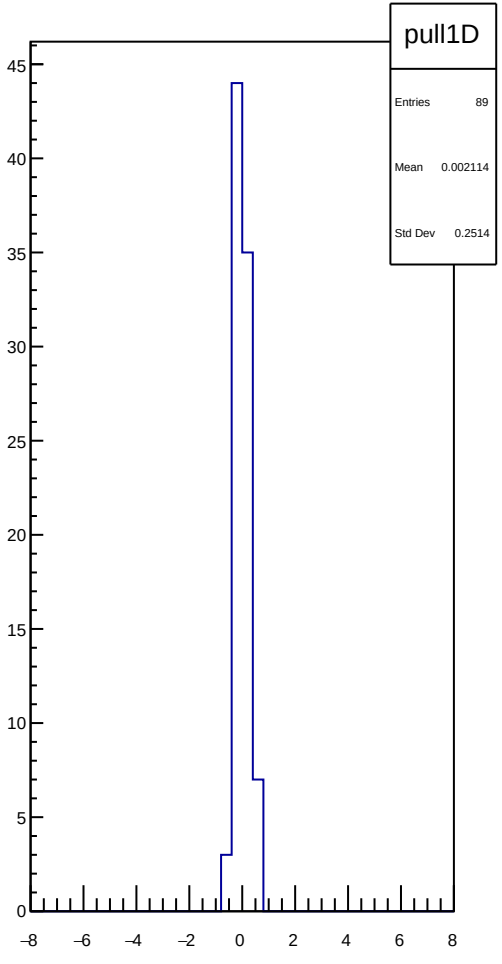

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.474 / 88
p0 77.68 ± 13.9
pull
Entries 89
Mean 428.7
Std Dev 364.6

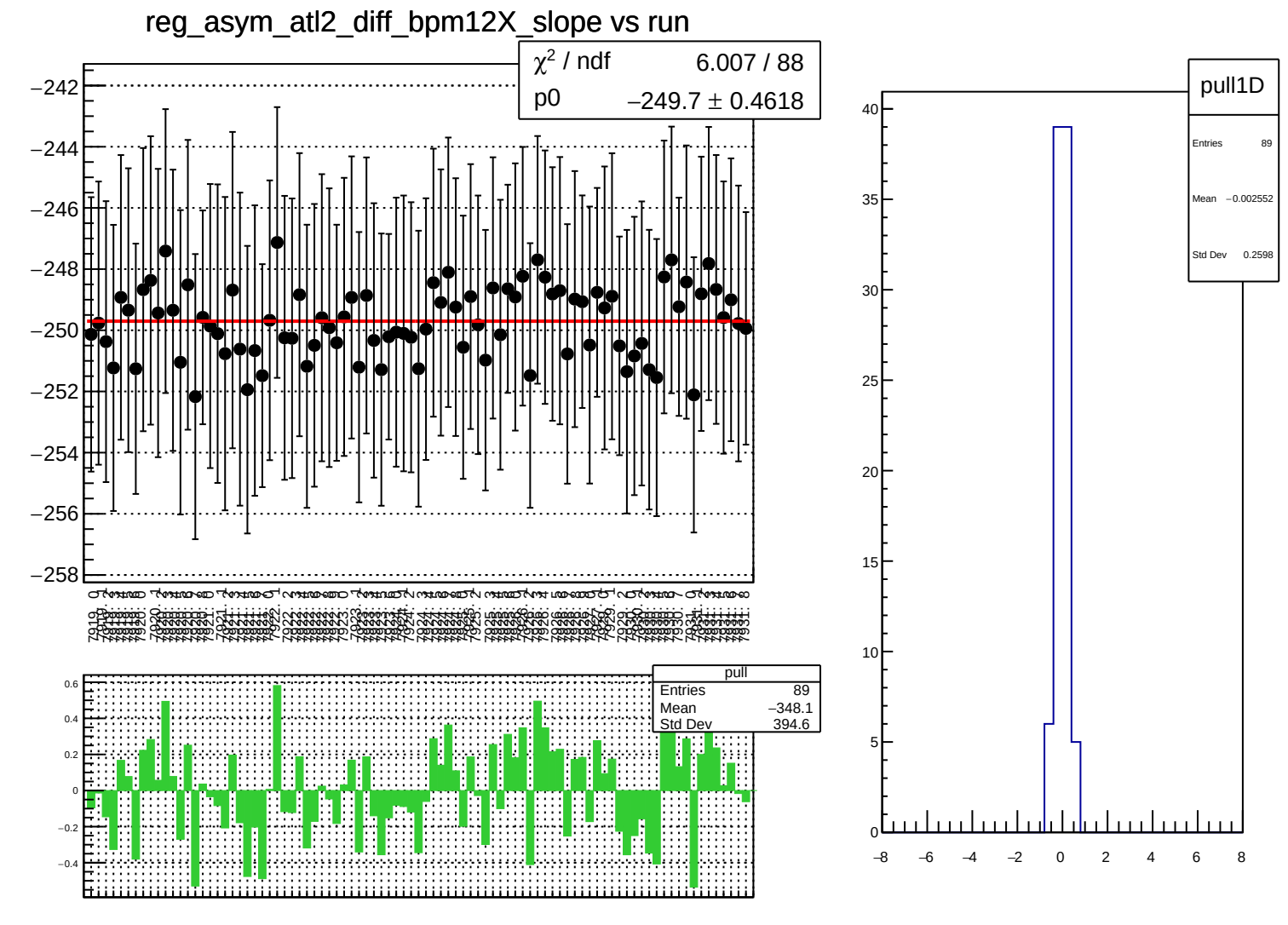

pull1D
Entries 89
Mean −0.00217
Std Dev 0.248

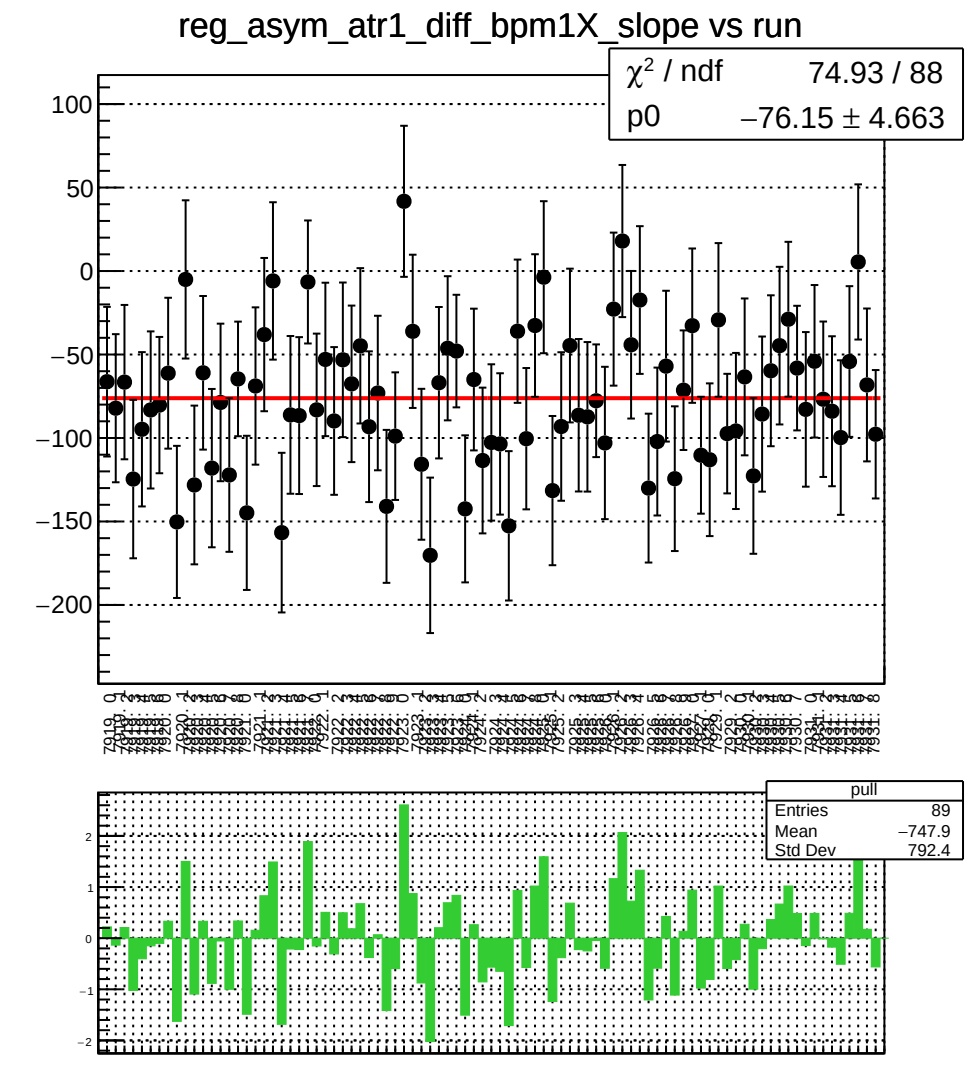

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 5.477 / 88
p0 175.3 ± 12.05
pull
Entries 89
Mean −50.18
Std Dev 17.43

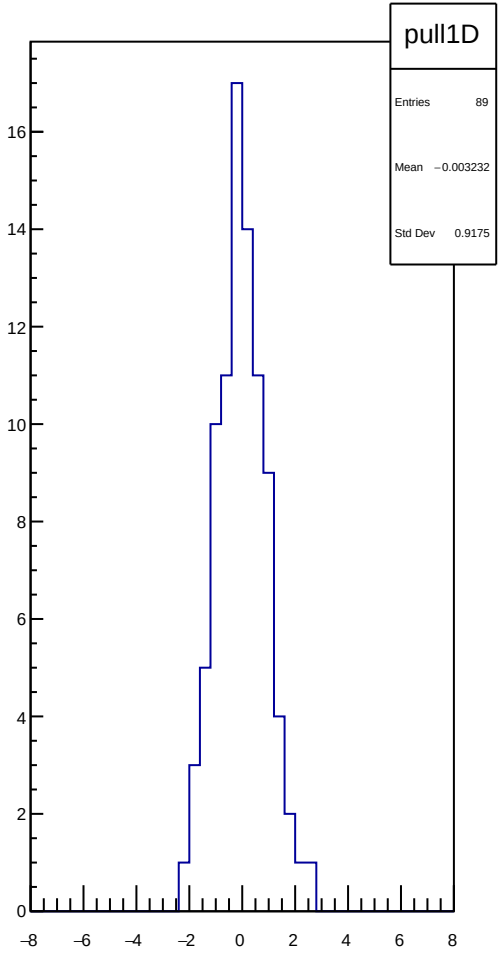

pull1D
Entries 89
Mean −0.00389
Std Dev 0.248

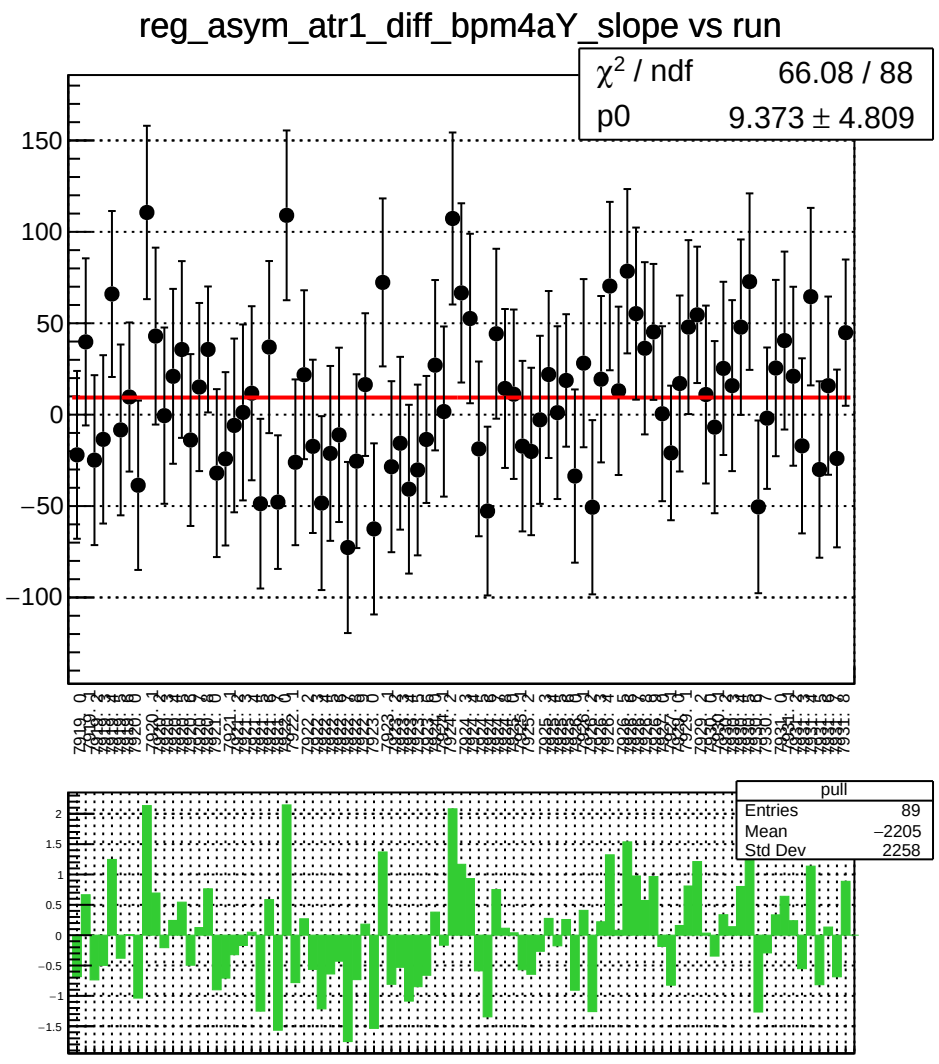

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.626 / 88
p0 27.88 ± 15.97
pull
Entries 89
Mean 488.7
Std Dev 425

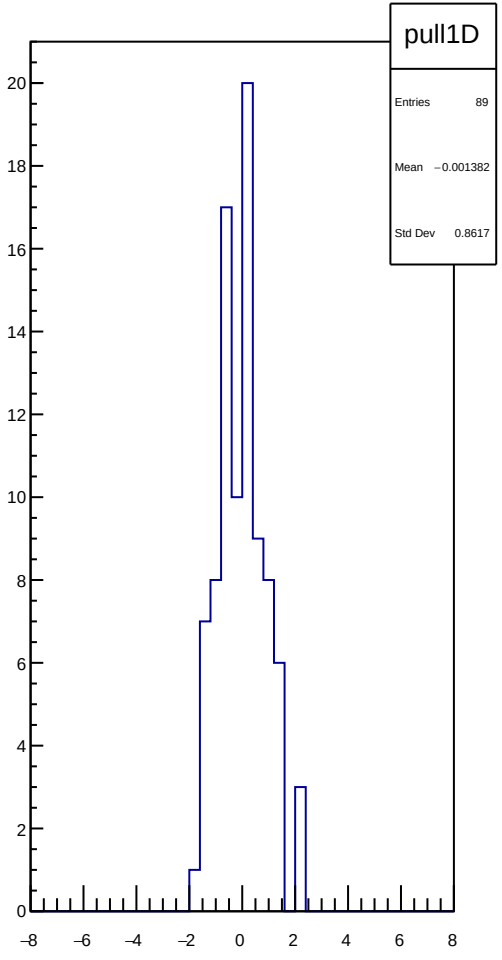

pull1D
Entries 89
Mean 0.002114
Std Dev 0.2514

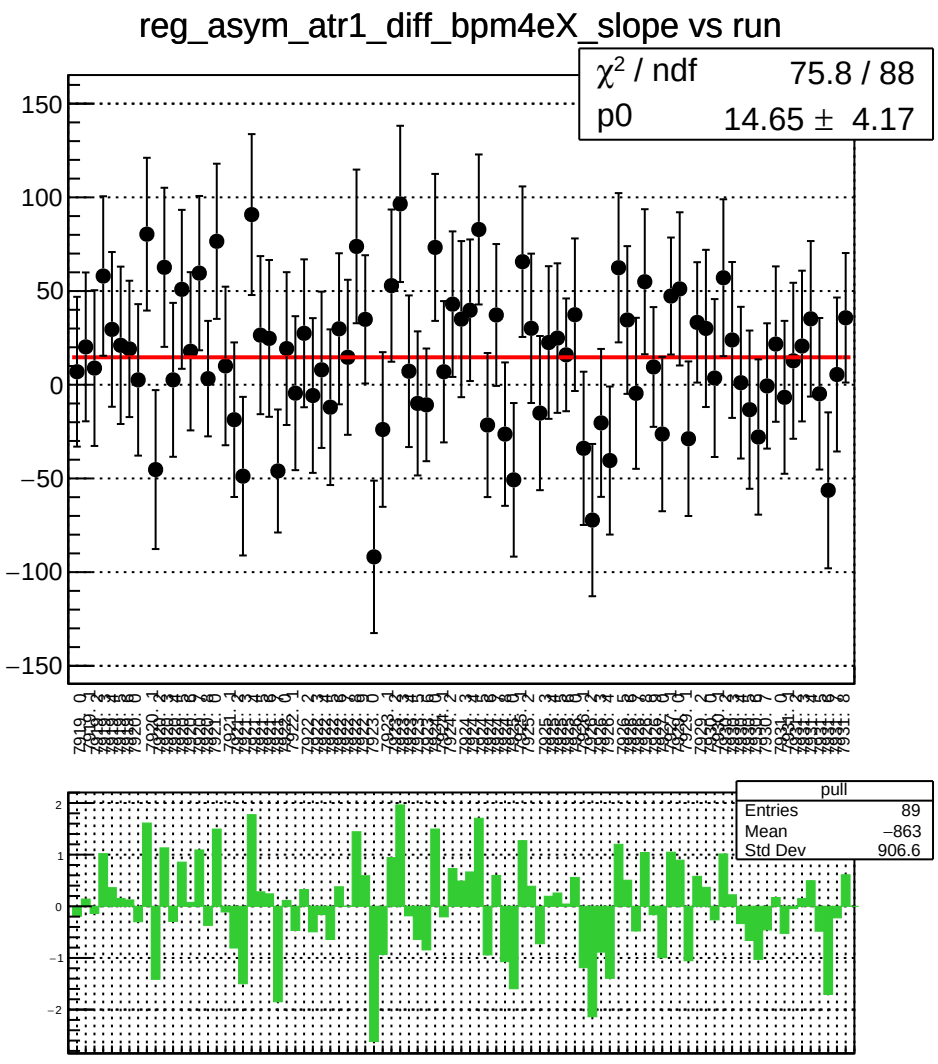

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 6.007 / 88
p0 −249.7 ± 0.4618
pull
Entries 89
Mean −348.1
Std Dev 394.6
pull1D
Entries 89
Mean −0.002552
Std Dev 0.2598

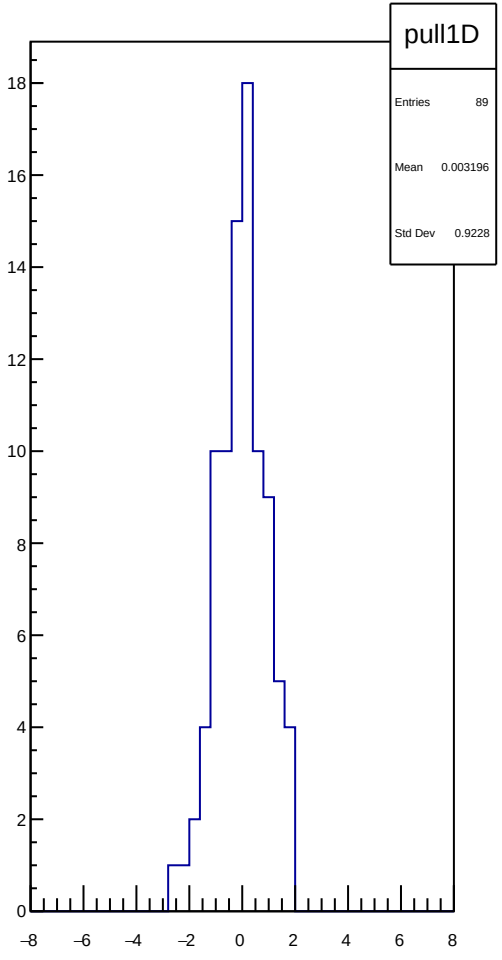

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 74.93 / 88
p0 −76.15 ± 4.663
pull
Entries 89
Mean −747.9
Std Dev 792.4

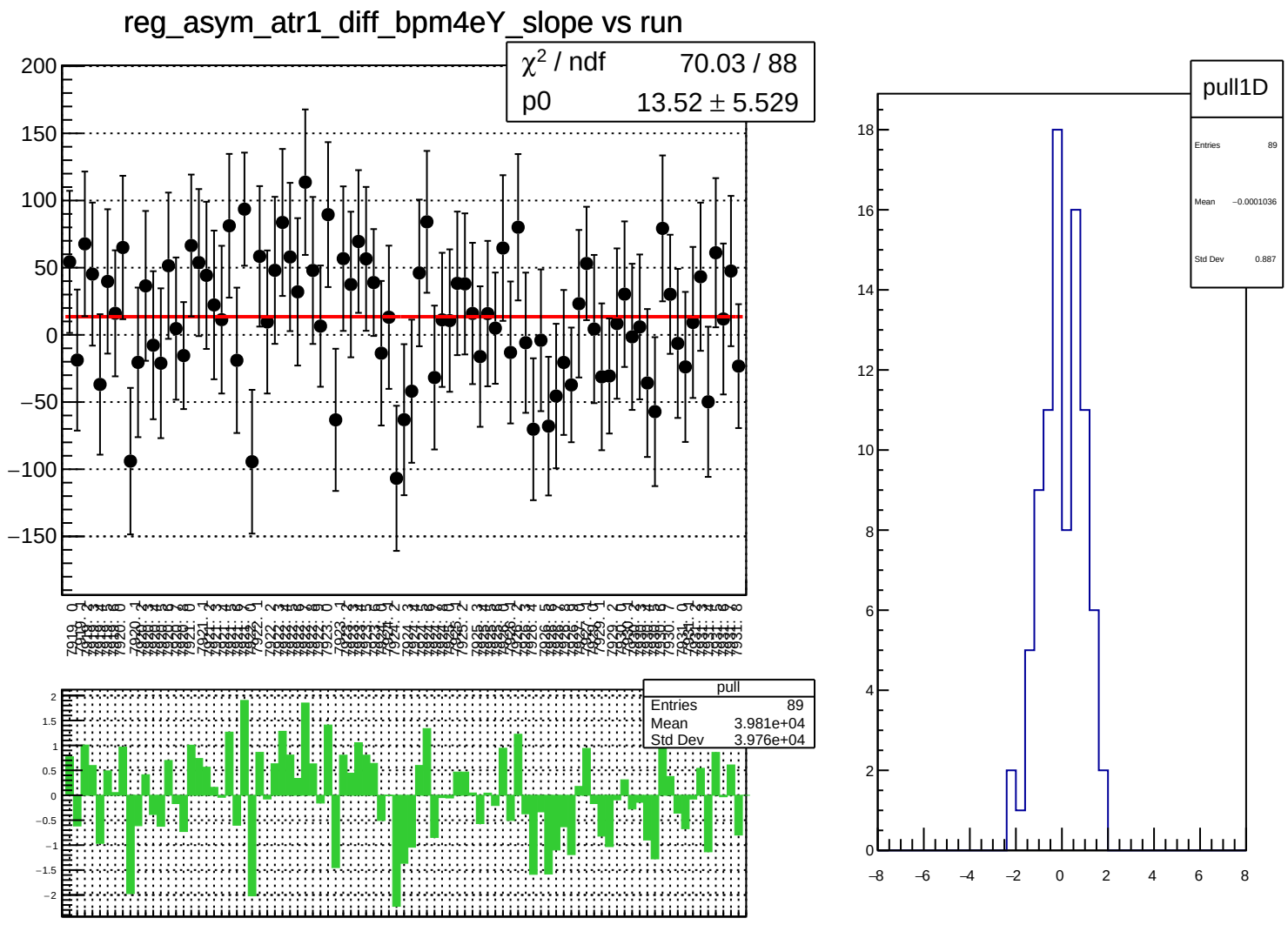

pull1D
Entries 89
Mean −0.003232
Std Dev 0.9175

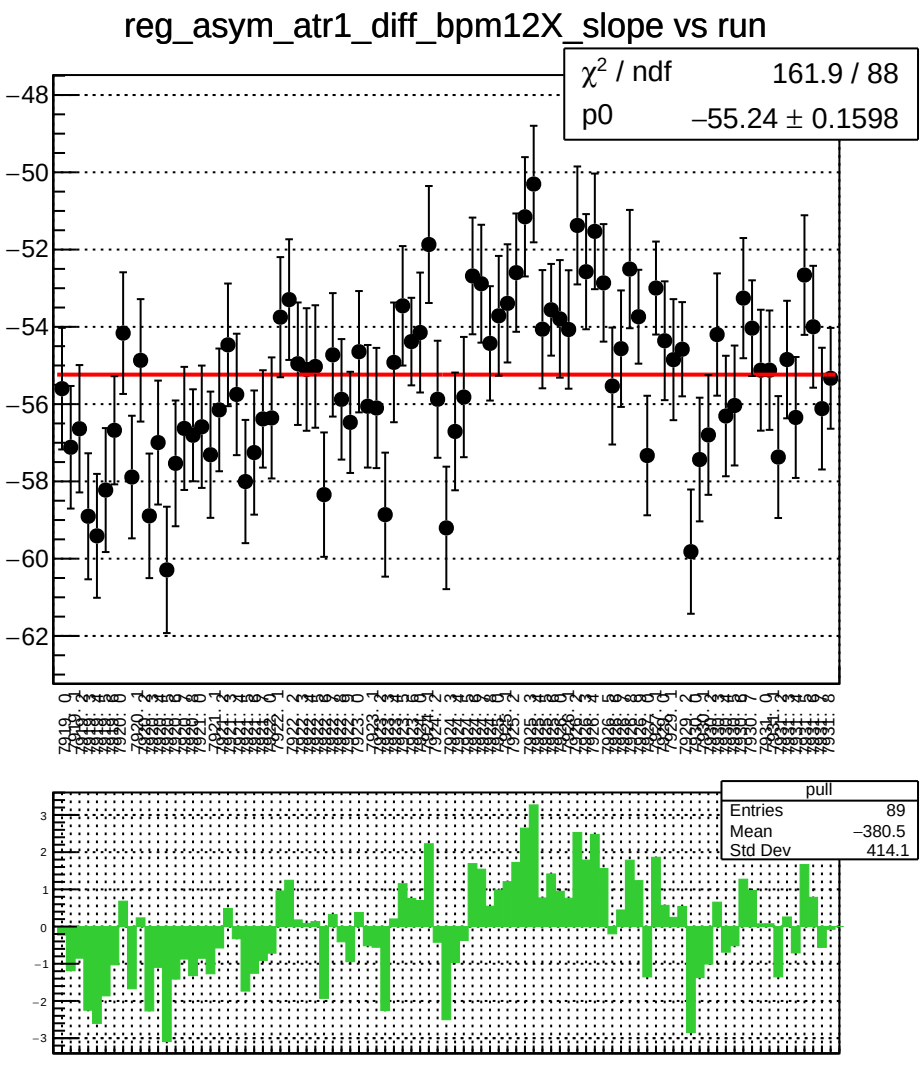

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 66.08 / 88
p0 9.373 ± 4.809
pull
Entries 89
Mean −2205
Std Dev 2258

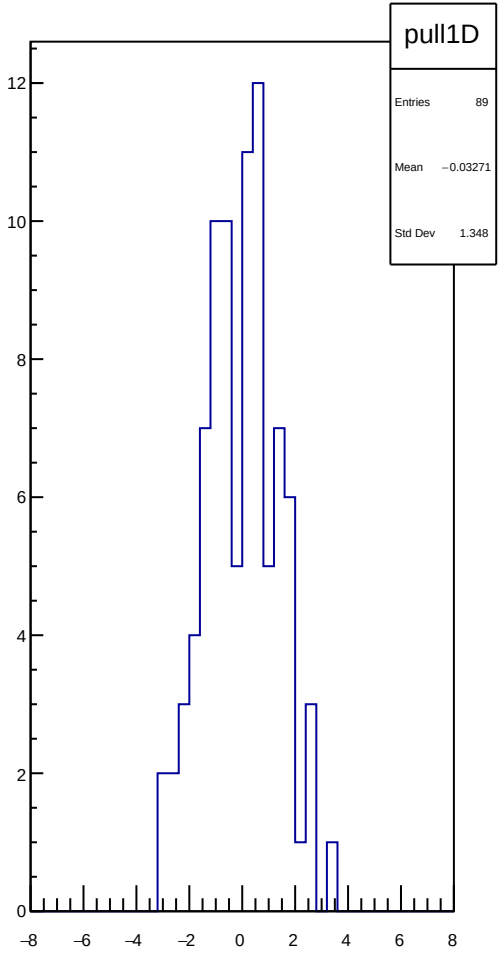

pull1D
Entries 89
Mean −0.001382
Std Dev 0.8617

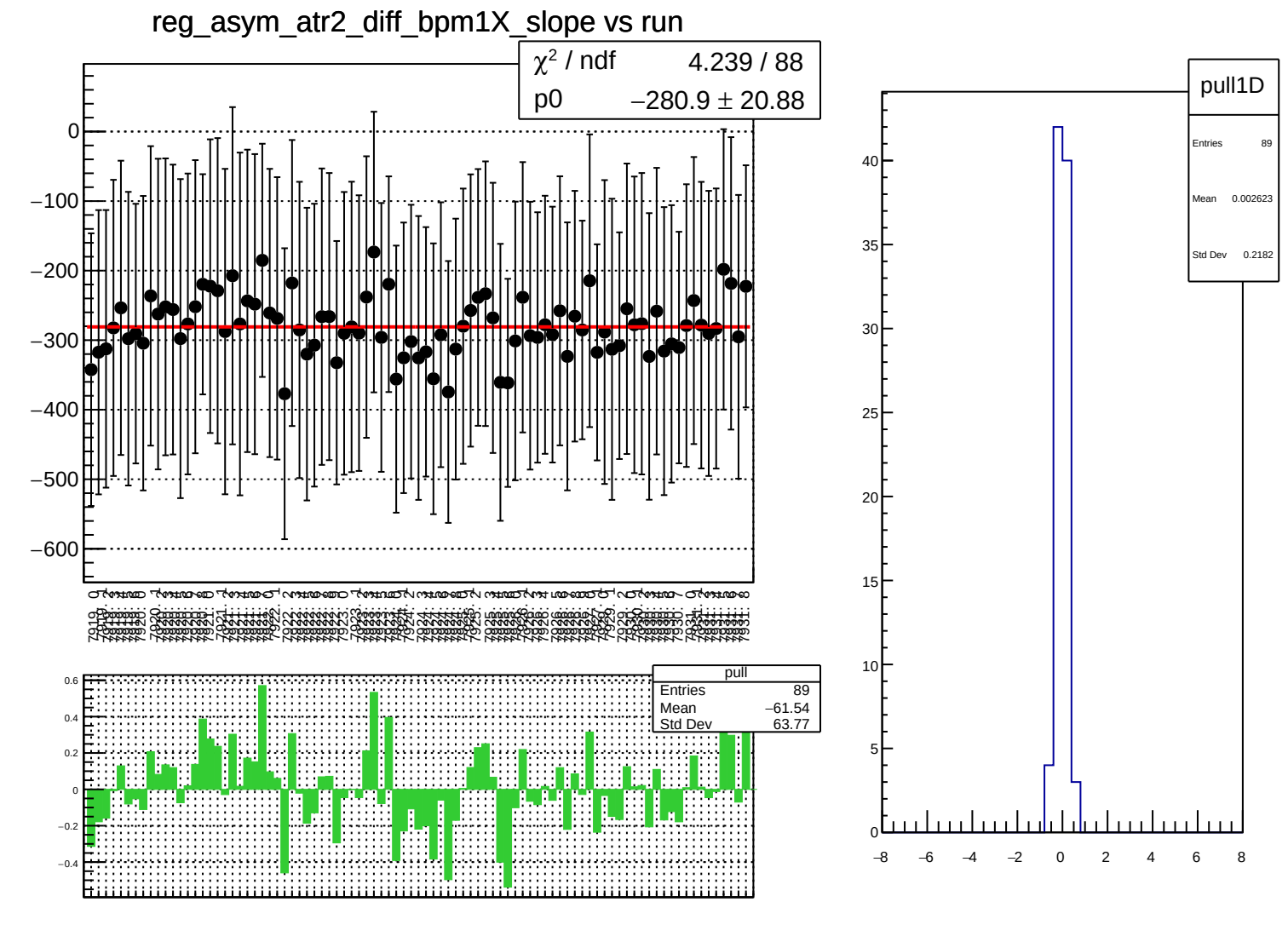

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 75.8 / 88
p0 14.65 ± 4.17
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean −863
Std Dev 906.6
2
1
0
−1
−2

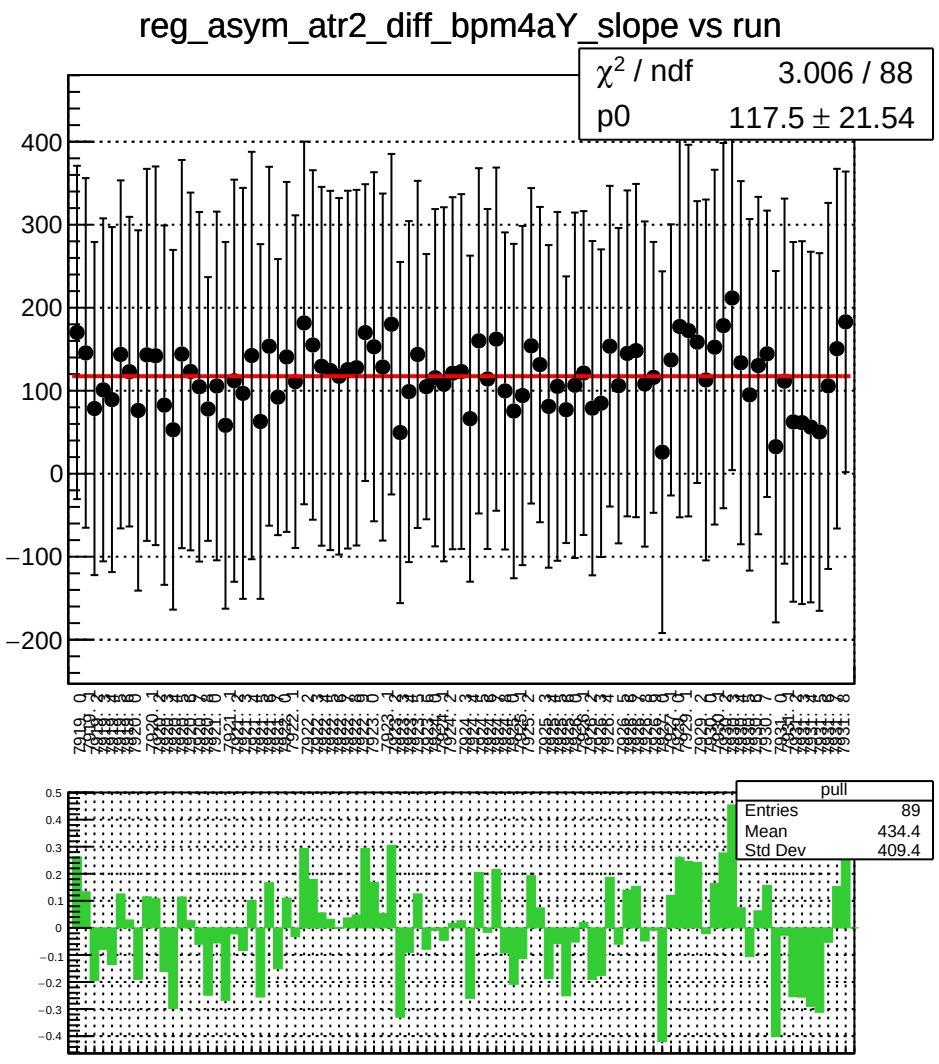

pull1D
Entries 89
Mean 0.003196
Std Dev 0.9228
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

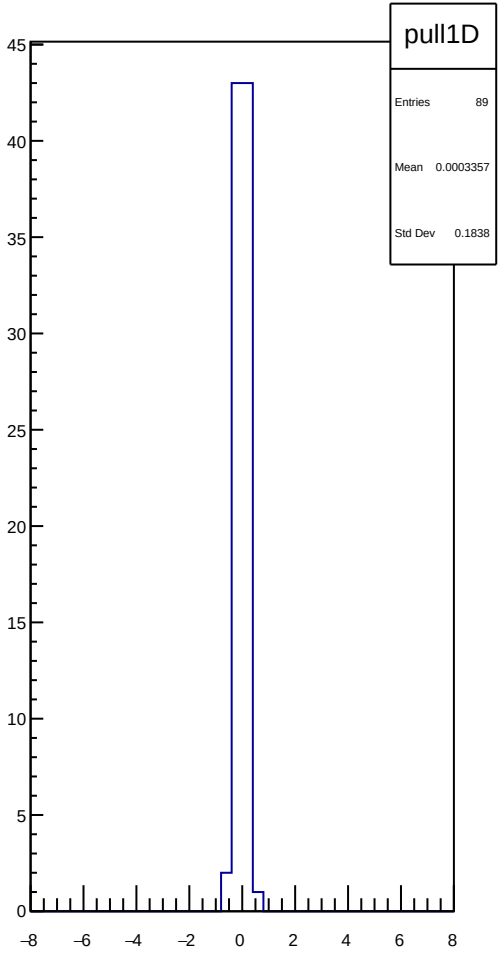

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 70.03 / 88
p0 13.52 ± 5.529
pull
Entries 89
Mean 3.981e+04
Std Dev 3.976e+04
pull1D
Entries 89
Mean −0.0001036
Std Dev 0.887

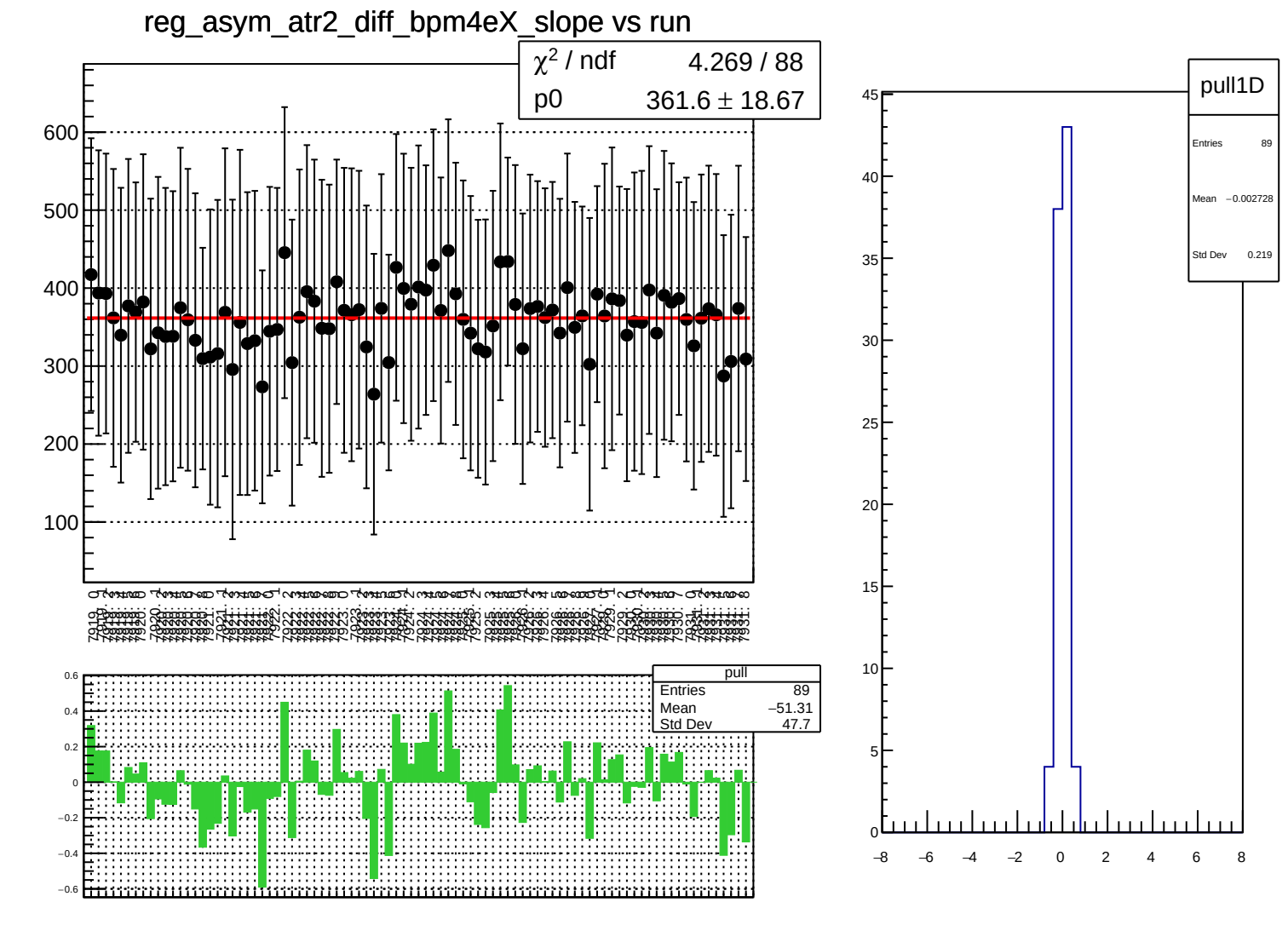

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 161.9 / 88
p0 −55.24 ± 0.1598
pull
Entries 89
Mean −380.5
Std Dev 414.1

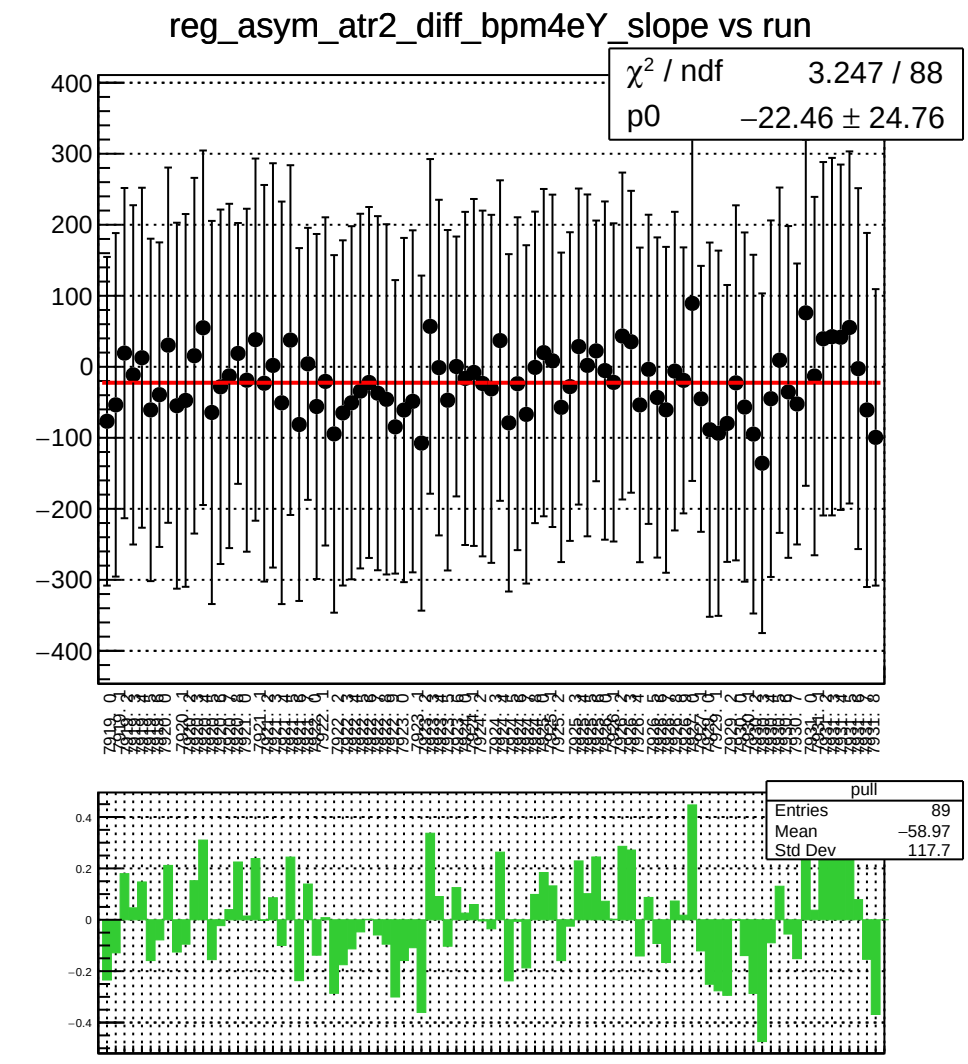

pull1D
Entries 89
Mean −0.03271
Std Dev 1.348

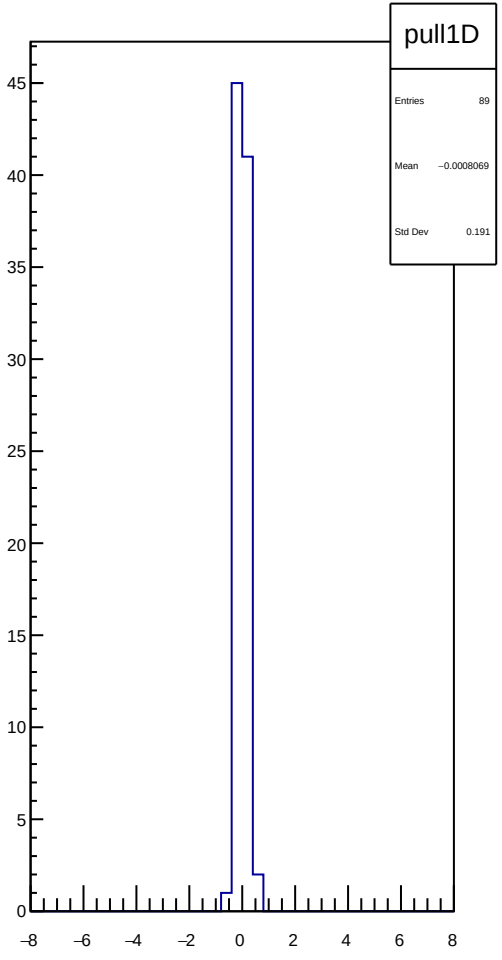

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 4.239 / 88
p0 −280.9 ± 20.88
pull
Entries 89
Mean −61.54
Std Dev 63.77
pull1D
Entries 89
Mean 0.002623
Std Dev 0.2182

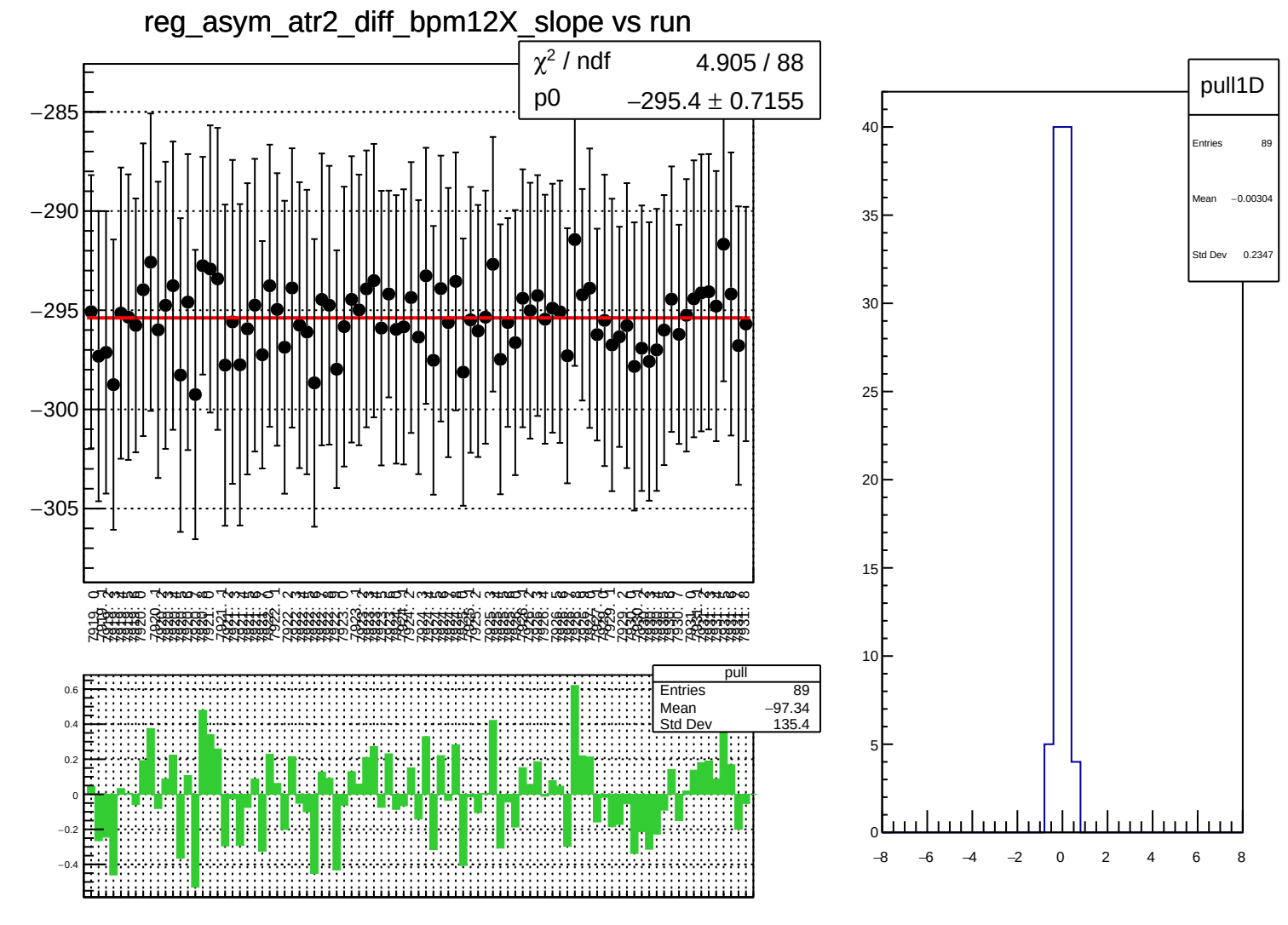

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.006 / 88
p0 117.5 ± 21.54
pull
Entries 89
Mean 434.4
Std Dev 409.4

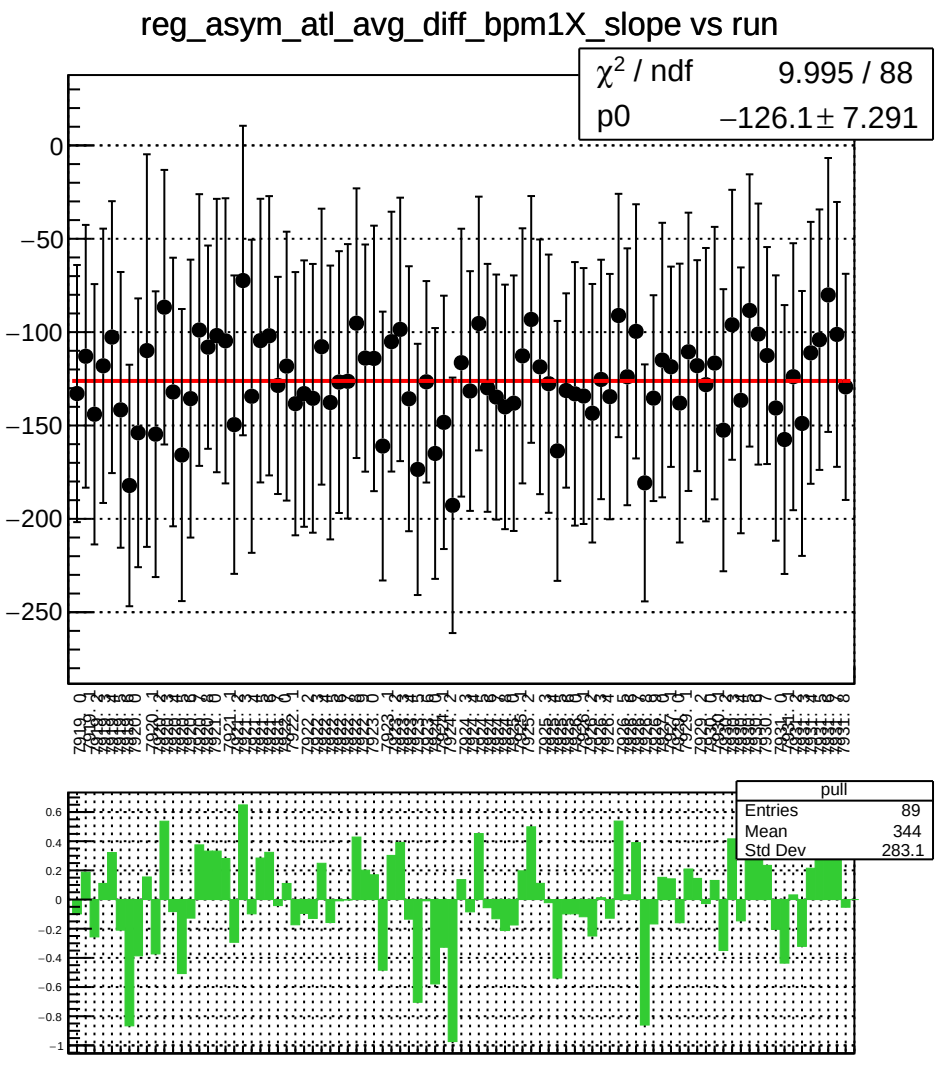

pull1D
Entries 89
Mean 0.0003357
Std Dev 0.1838

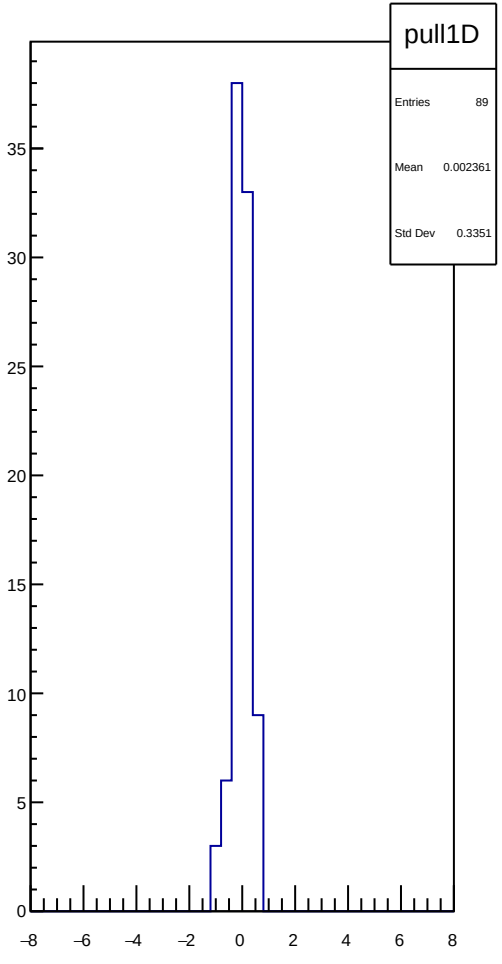

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 4.269 / 88
p0 361.6 ± 18.67
pull
Entries 89
Mean −51.31
Std Dev 47.7
pull1D
Entries 89
Mean −0.002728
Std Dev 0.219

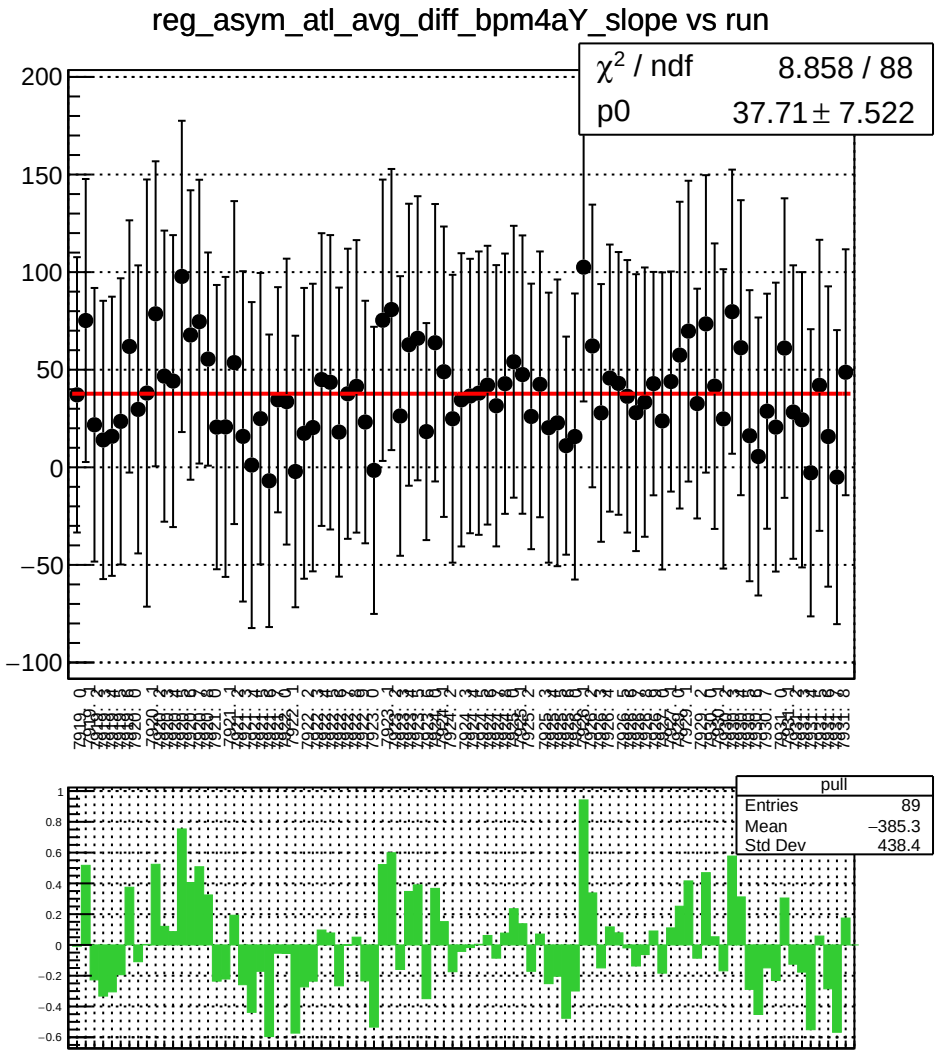

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.247 / 88
p0 −22.46 ± 24.76
pull
Entries 89
Mean −58.97
Std Dev 117.7

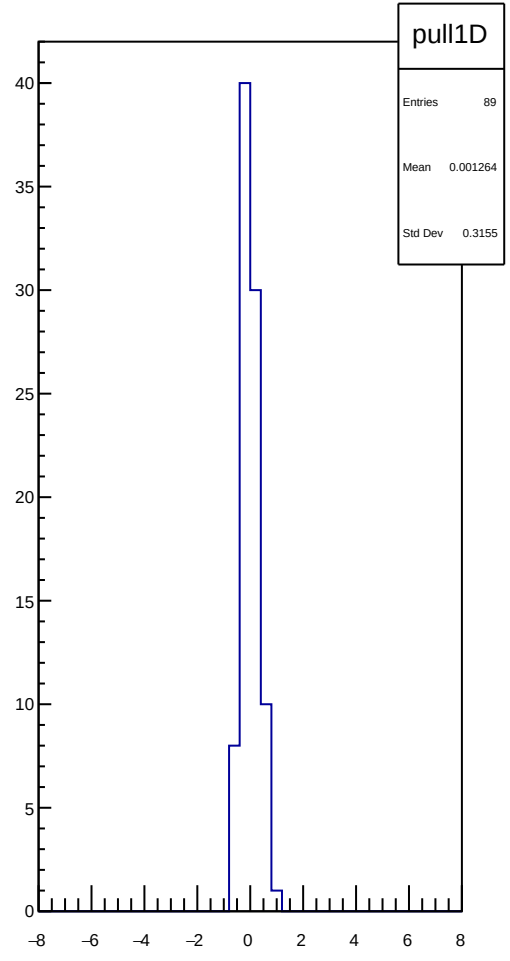

pull1D
Entries 89
Mean −0.0008069
Std Dev 0.191

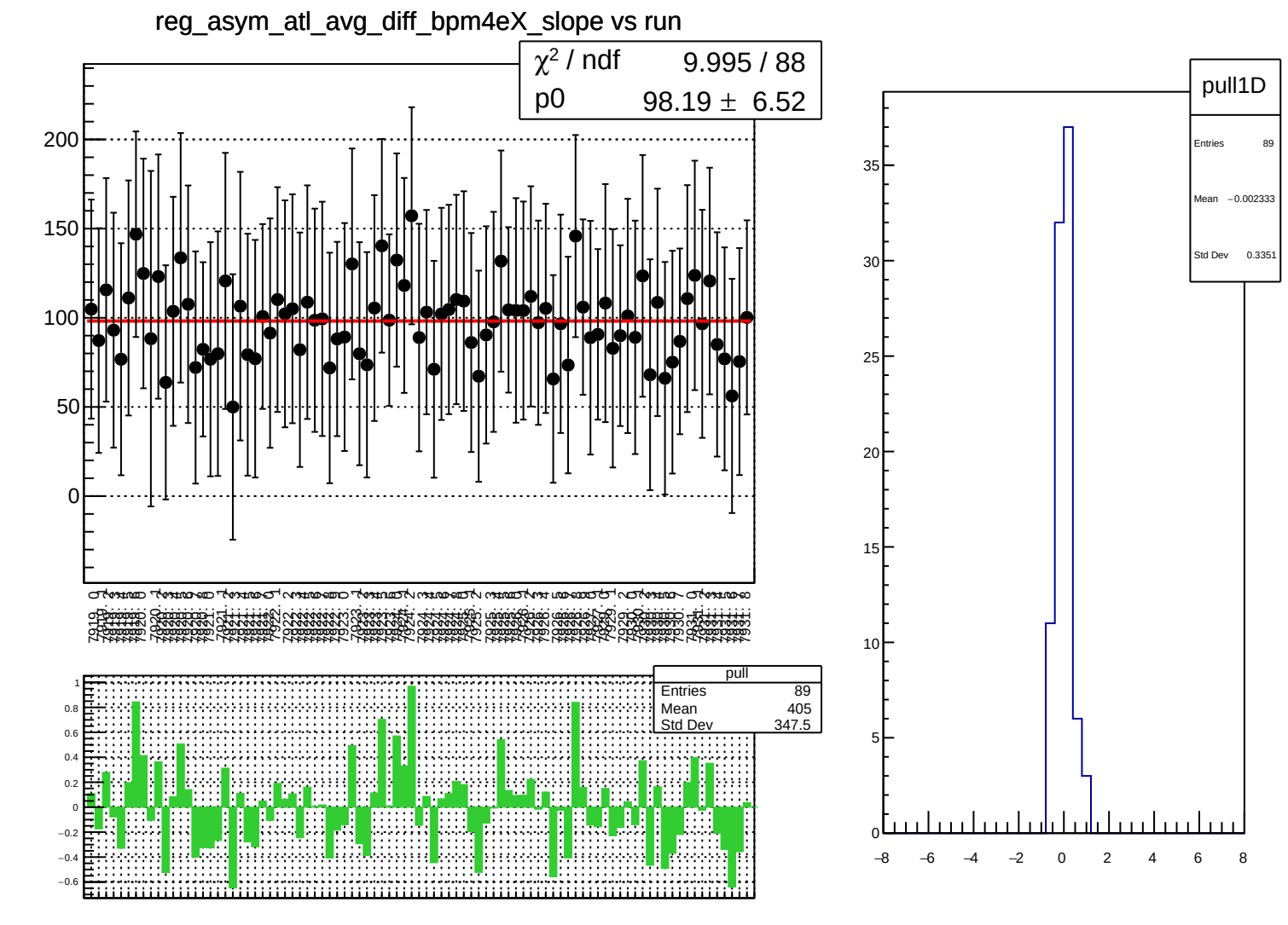

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 4.905 / 88
p0 −295.4 ± 0.7155
−285
−290
−295
−300
−305
pull
Entries 89
Mean −97.34
Std Dev 135.4
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean −0.00304
Std Dev 0.2347
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

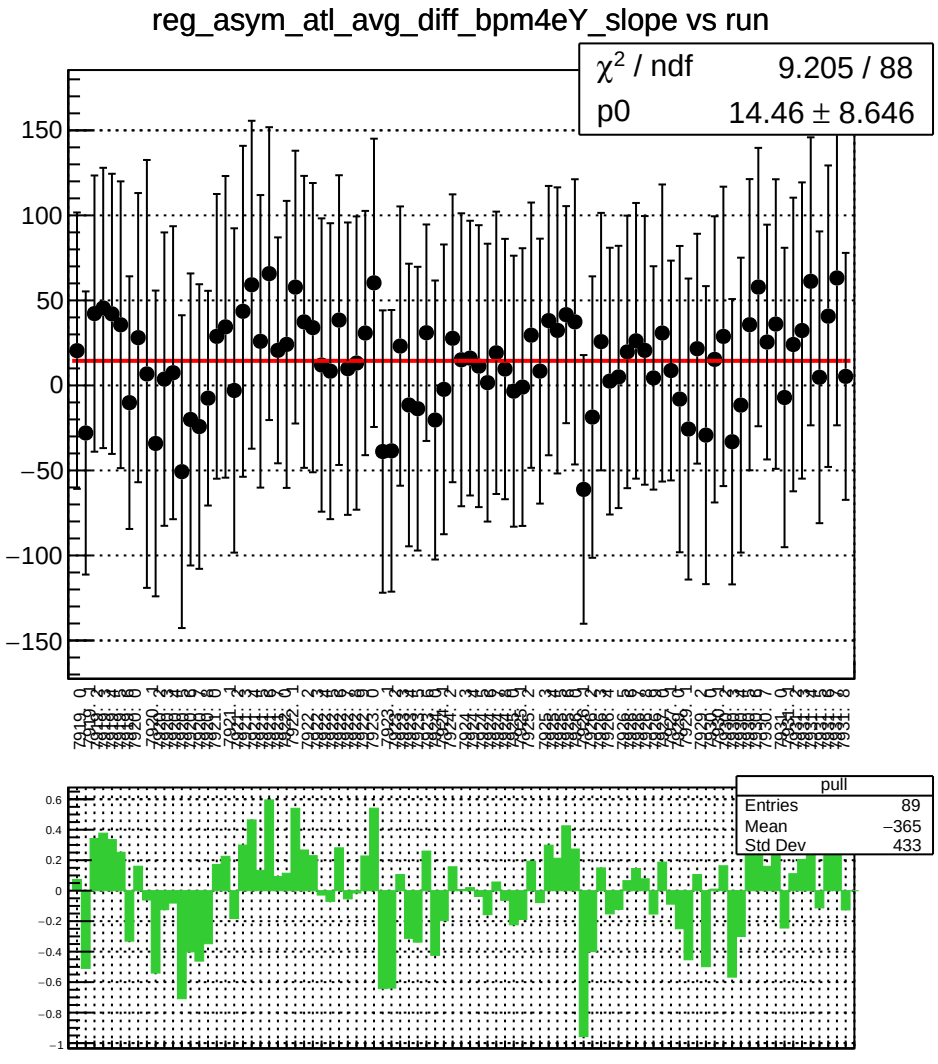

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.995 / 88
p0 −126.1 ± 7.291
pull
Entries 89
Mean 344
Std Dev 283.1

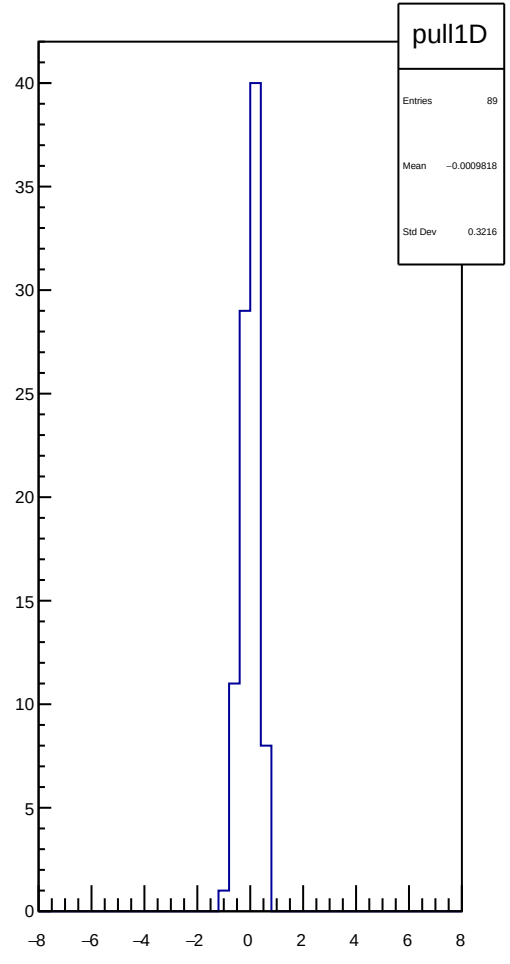

pull1D
Entries 89
Mean 0.002361
Std Dev 0.3351

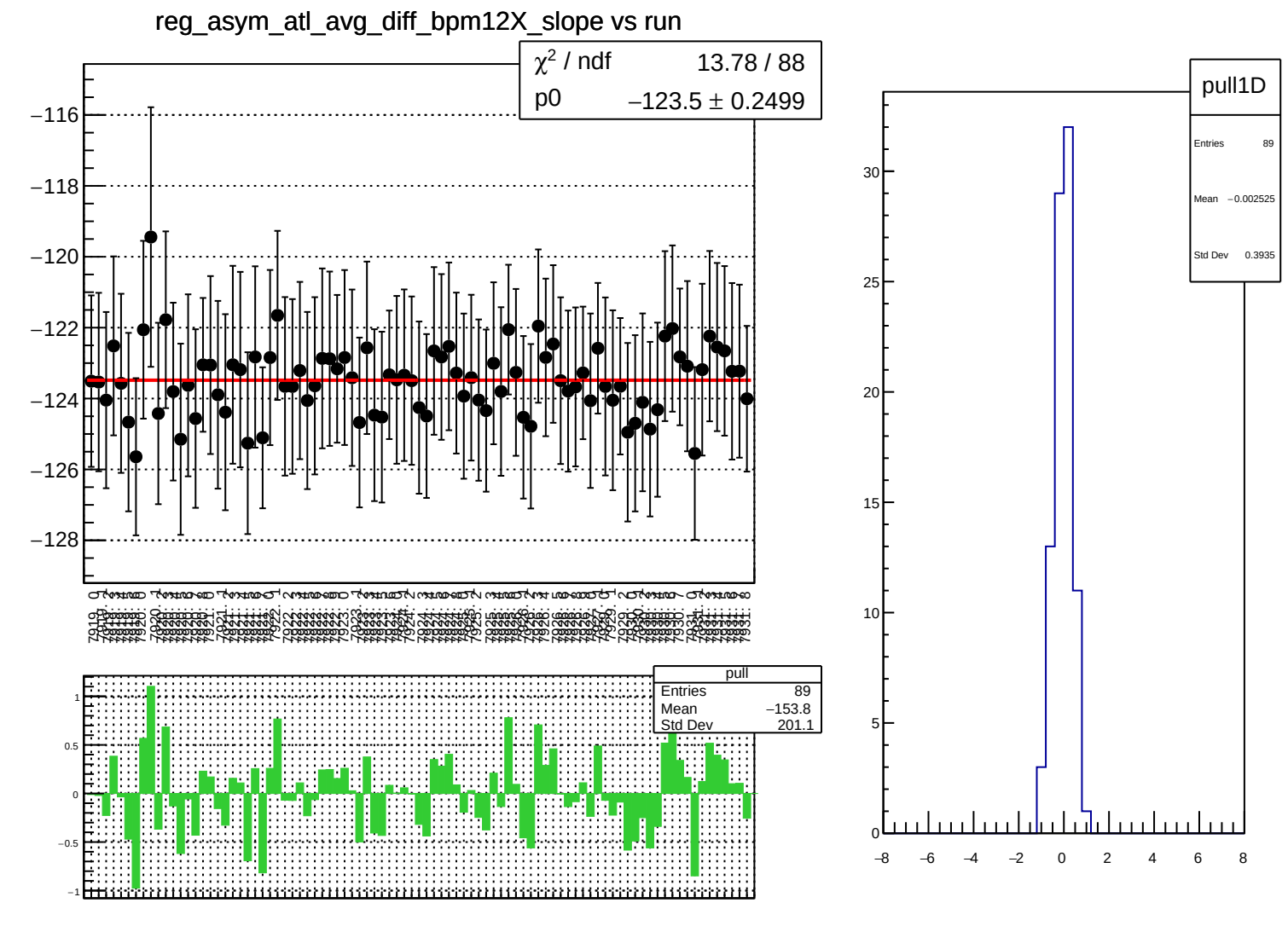

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.858 / 88
p0 37.71 ± 7.522
pull
Entries 89
Mean −385.3
Std Dev 438.4

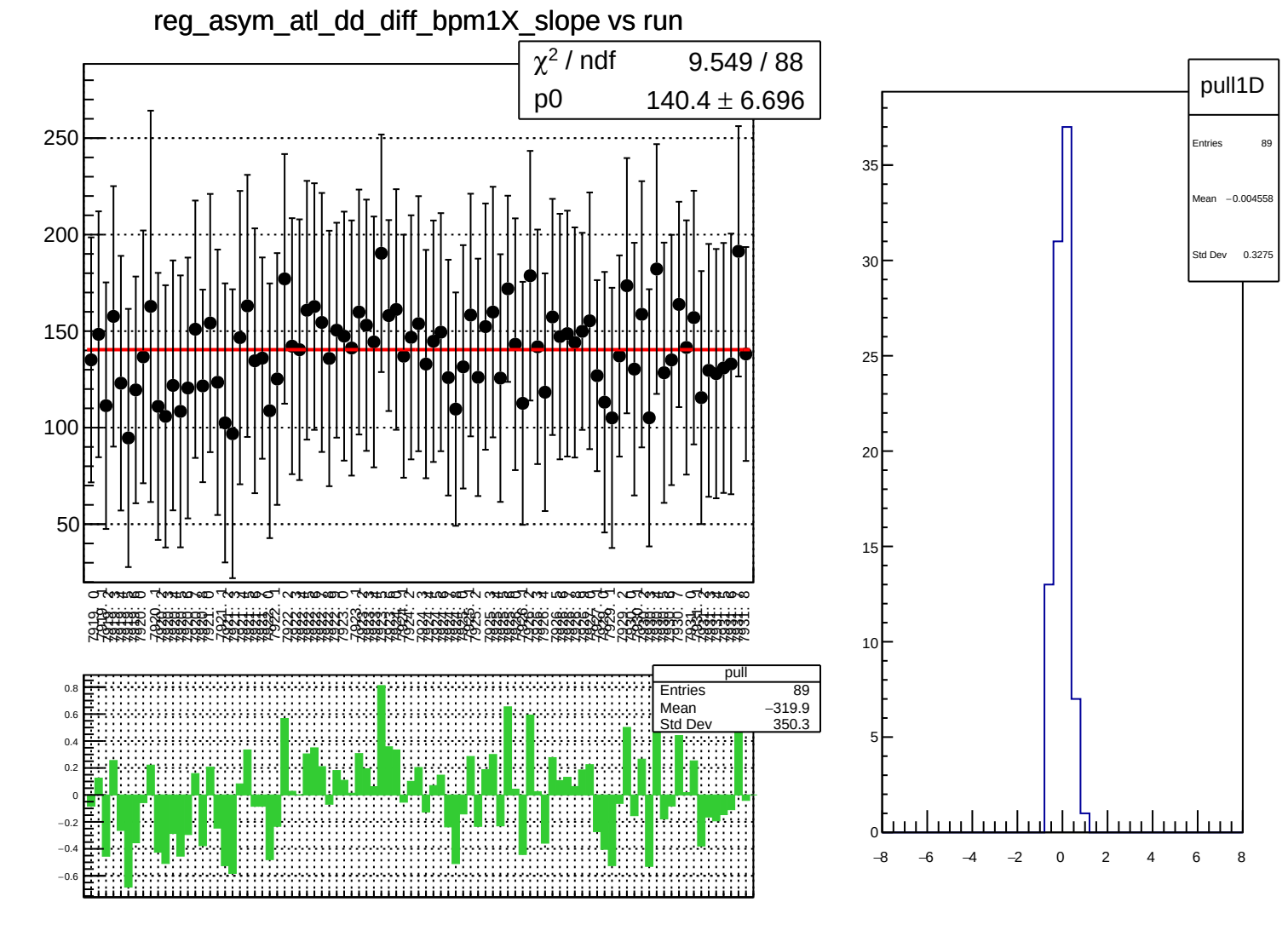

pull1D
Entries 89
Mean 0.001264
Std Dev 0.3155

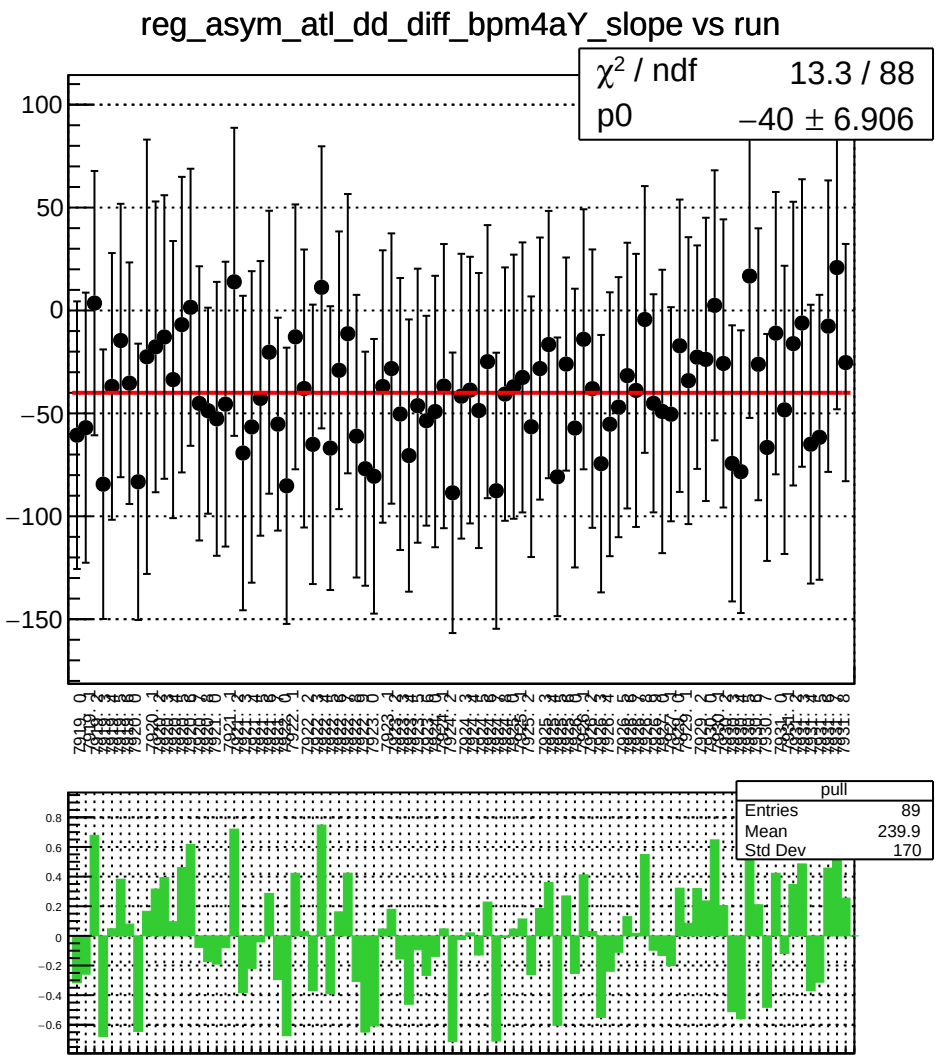

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.995 / 88
p0 98.19 ± 6.52
200
150
100
50
0
pull
Entries 89
Mean 405
Std Dev 347.5
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean −0.002333
Std Dev 0.3351
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

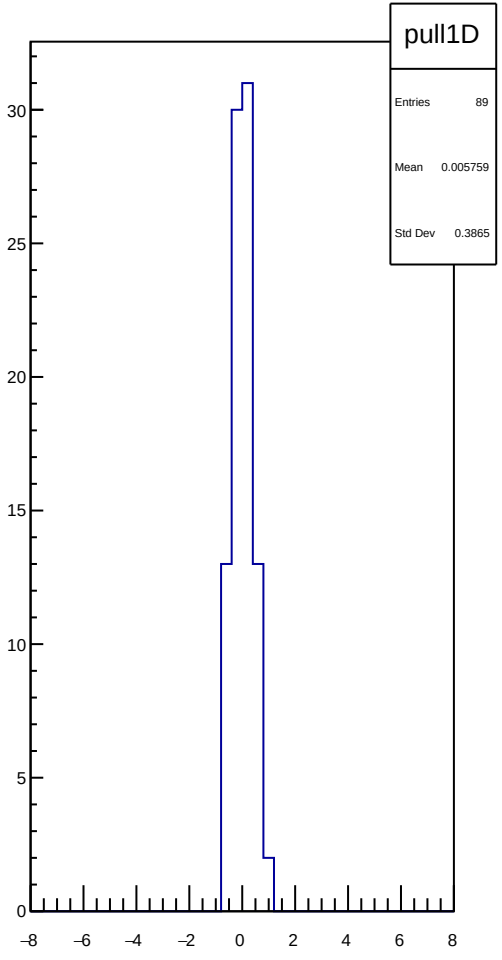

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.205 / 88
p0 14.46 ± 8.646
pull
Entries 89
Mean −365
Std Dev 433

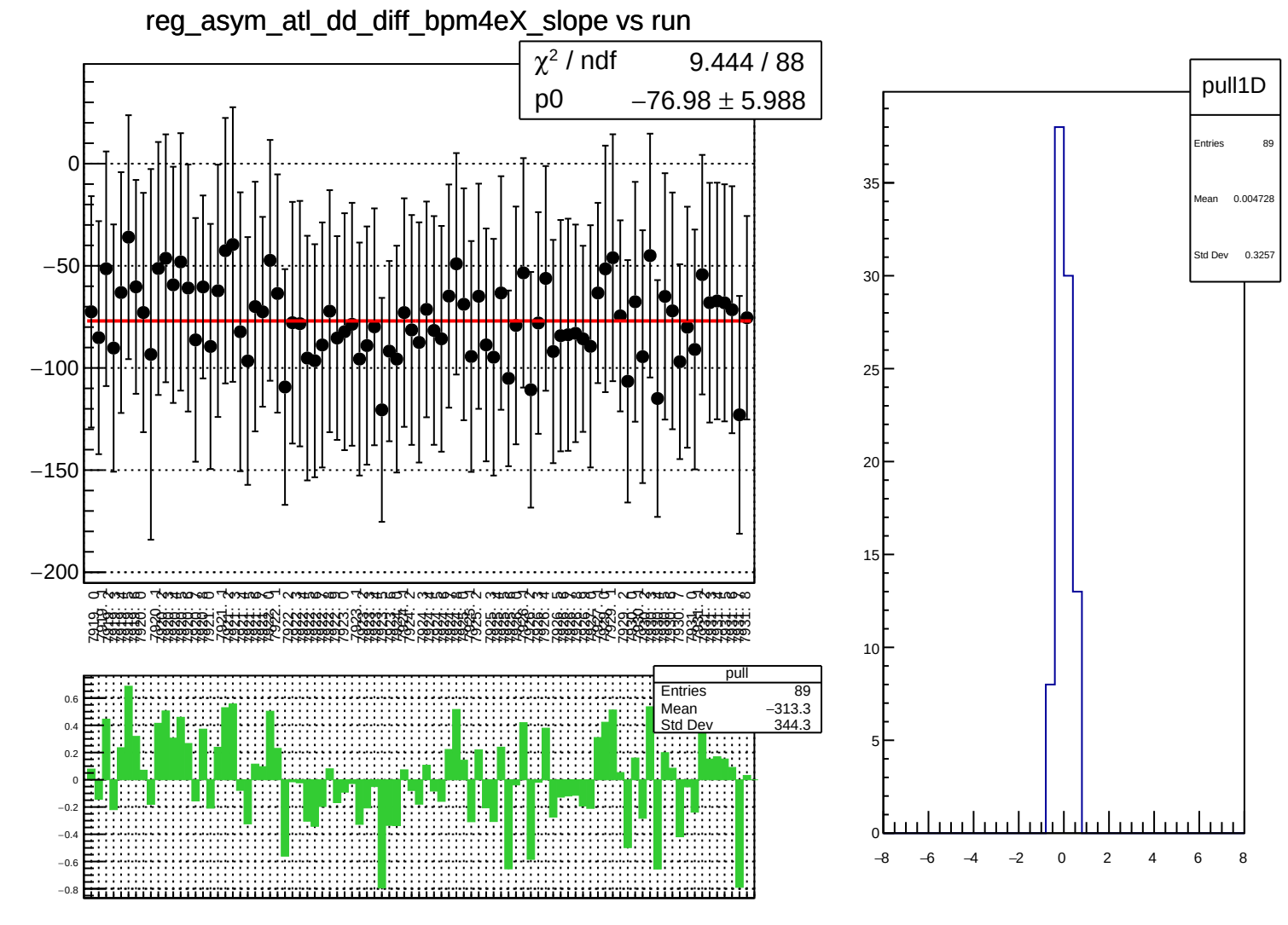

pull1D
Entries 89
Mean −0.0009818
Std Dev 0.3216

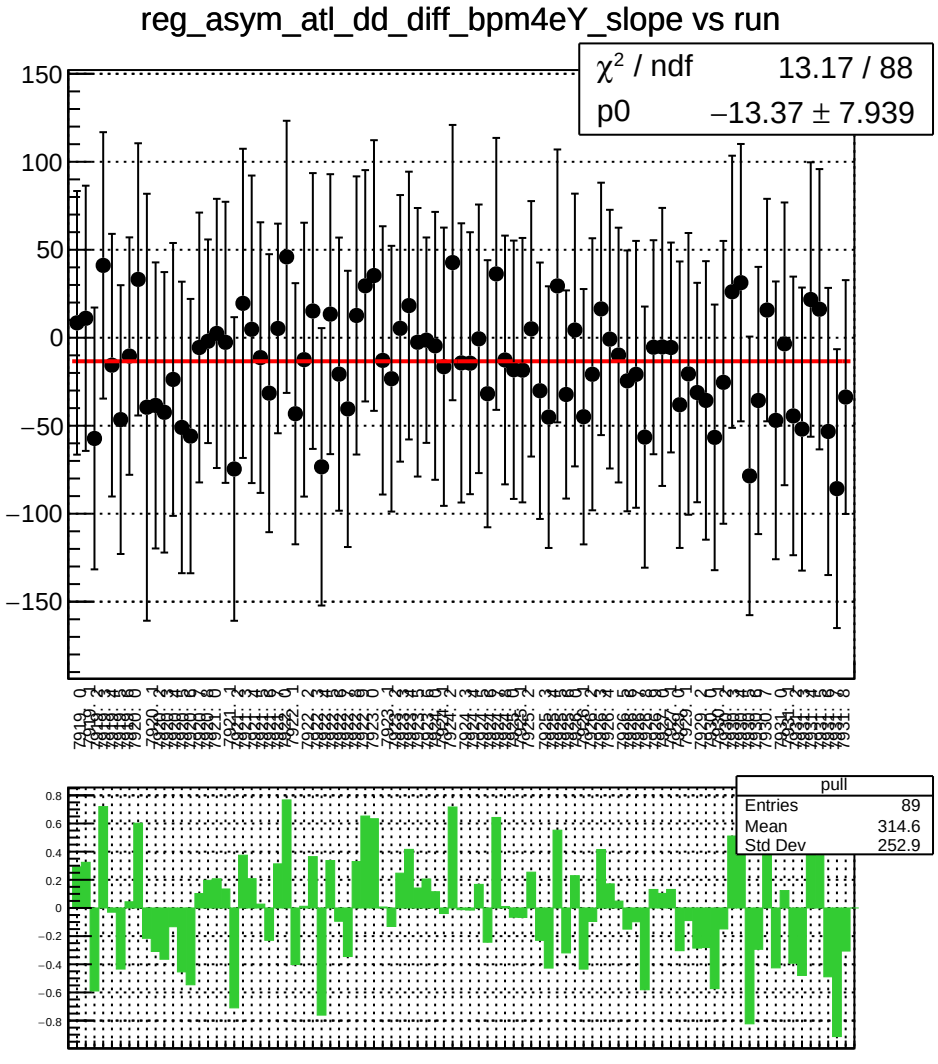

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 13.78 / 88
p0 −123.5 ± 0.2499
pull
Entries 89
Mean −153.8
Std Dev 201.1
pull1D
Entries 89
Mean −0.002525
Std Dev 0.3935

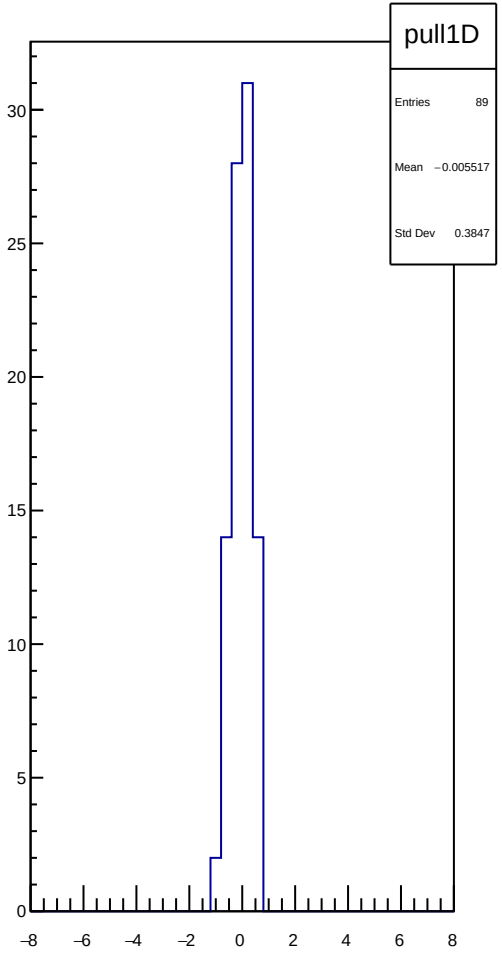

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.549 / 88
p0 140.4 ± 6.696
pull
Entries 89
Mean −319.9
Std Dev 350.3
pull1D
Entries 89
Mean −0.004558
Std Dev 0.3275

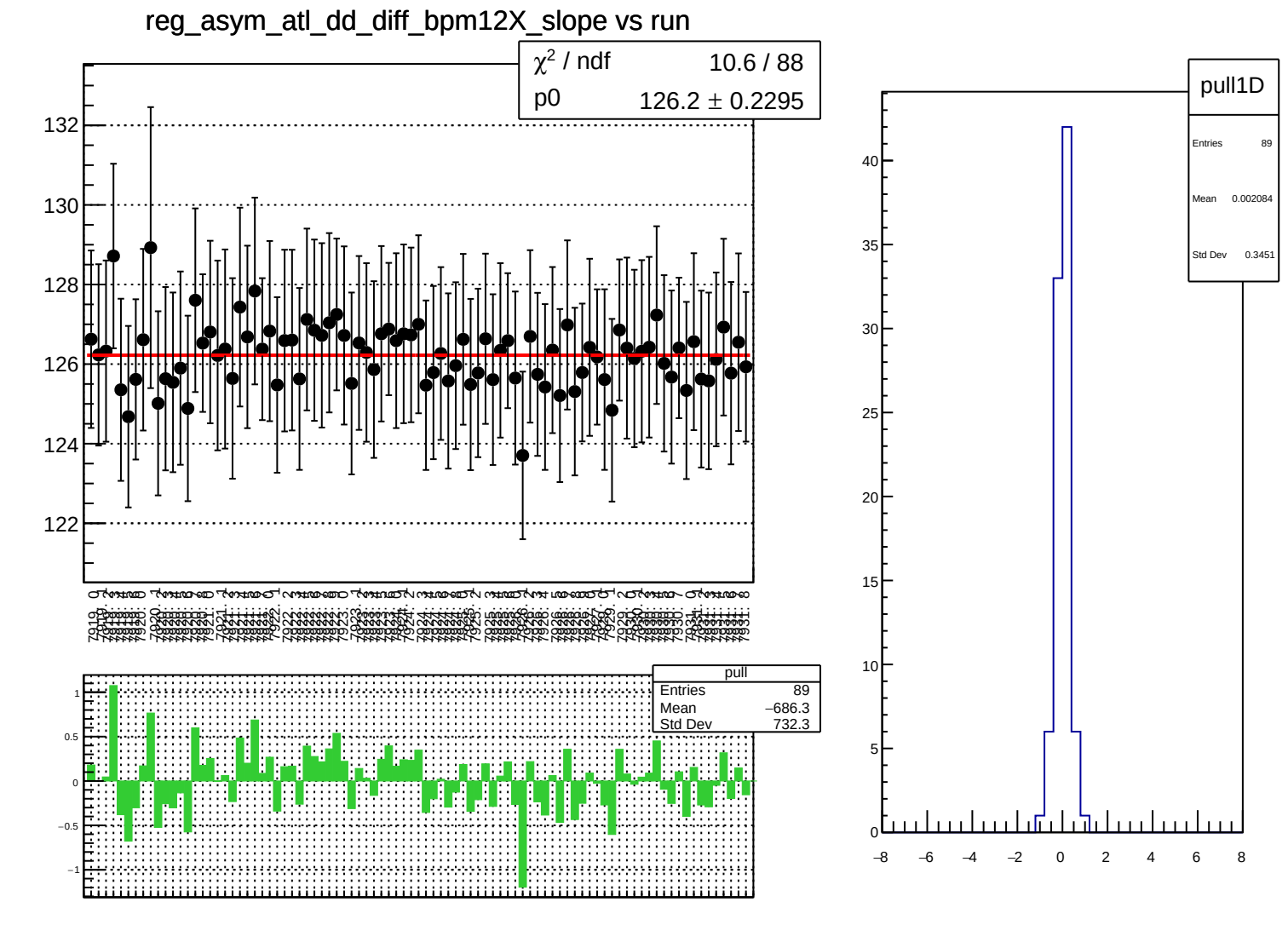

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.3 / 88
p0 −40 ± 6.906
pull
Entries 89
Mean 239.9
Std Dev 170

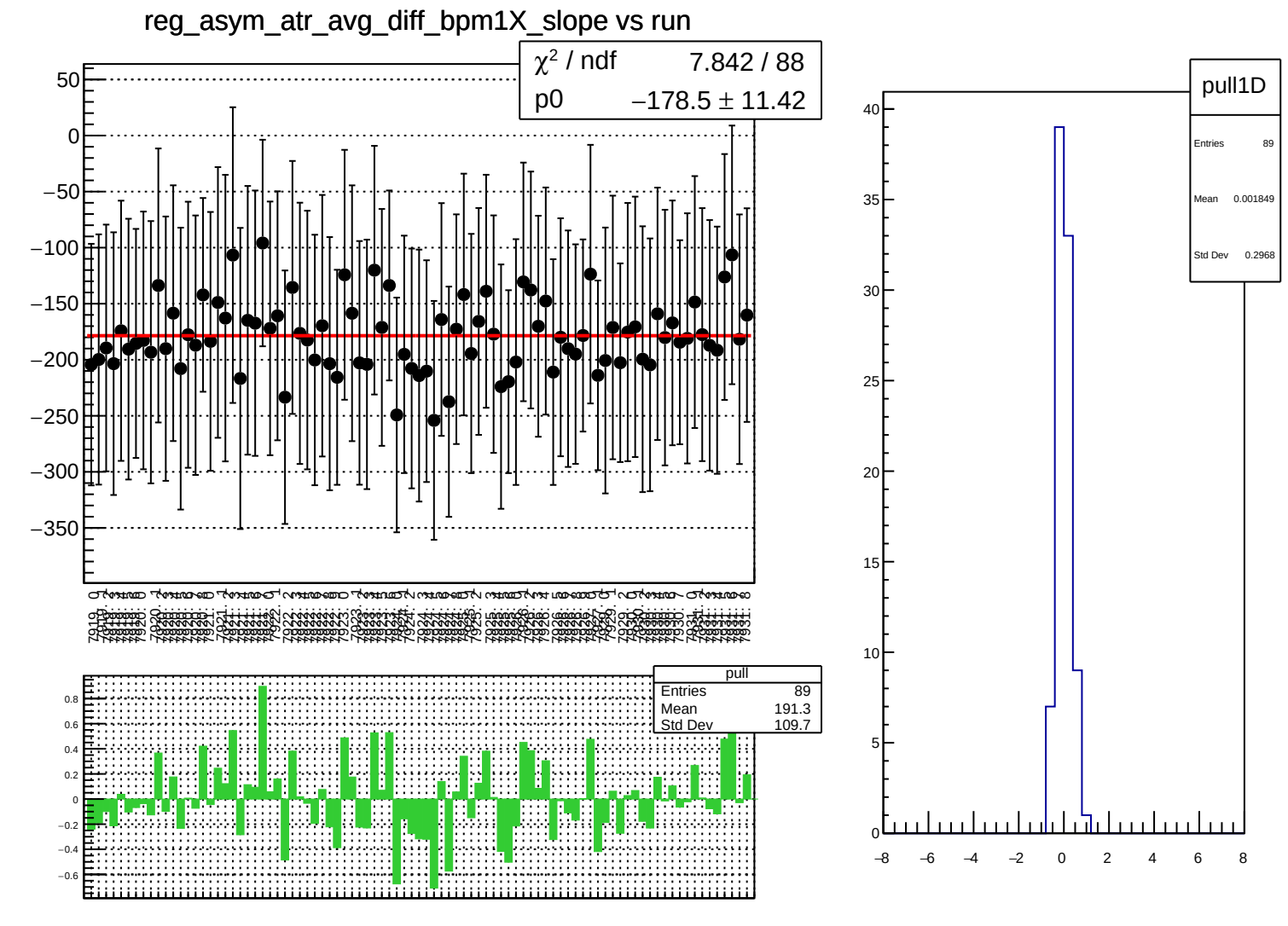

pull1D
Entries 89
Mean 0.005759
Std Dev 0.3865

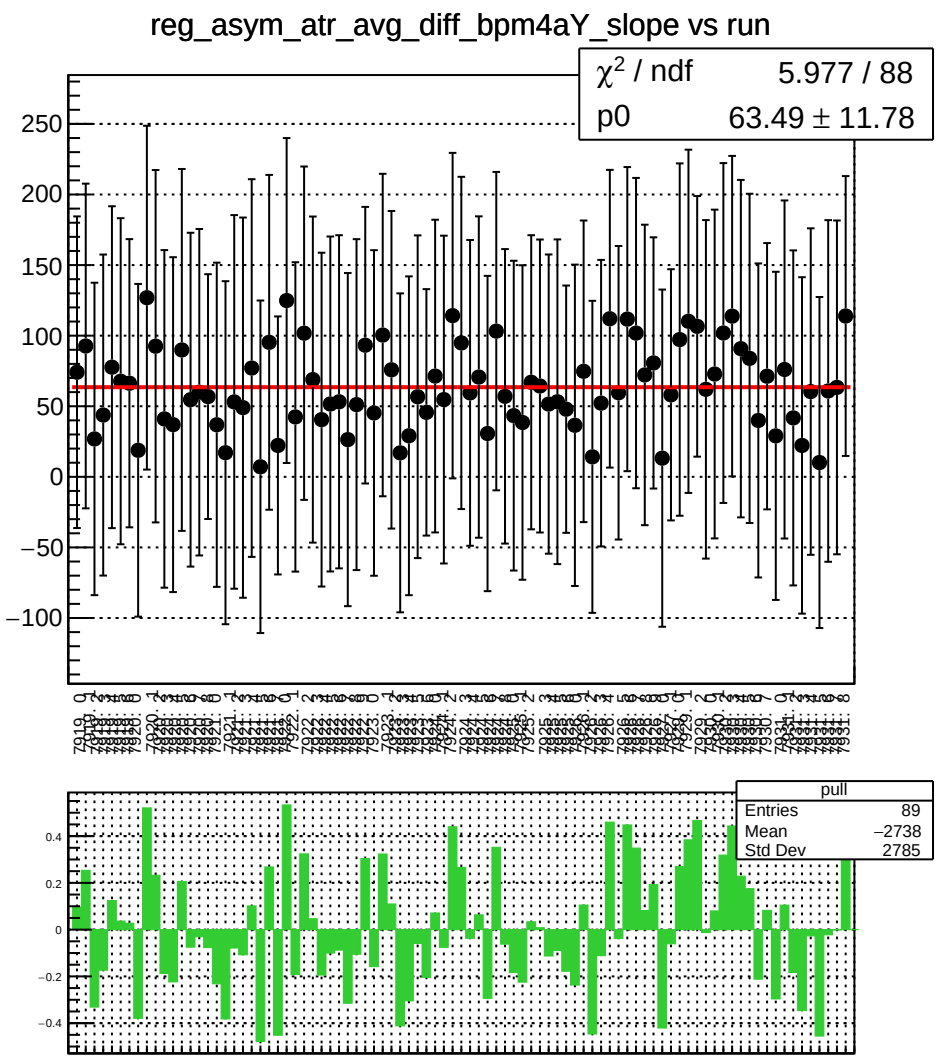

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.444 / 88
p0 −76.98 ± 5.988
0
−50
−100
−150
−200
pull
Entries 89
Mean −313.3
Std Dev 344.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 89
Mean 0.004728
Std Dev 0.3257
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

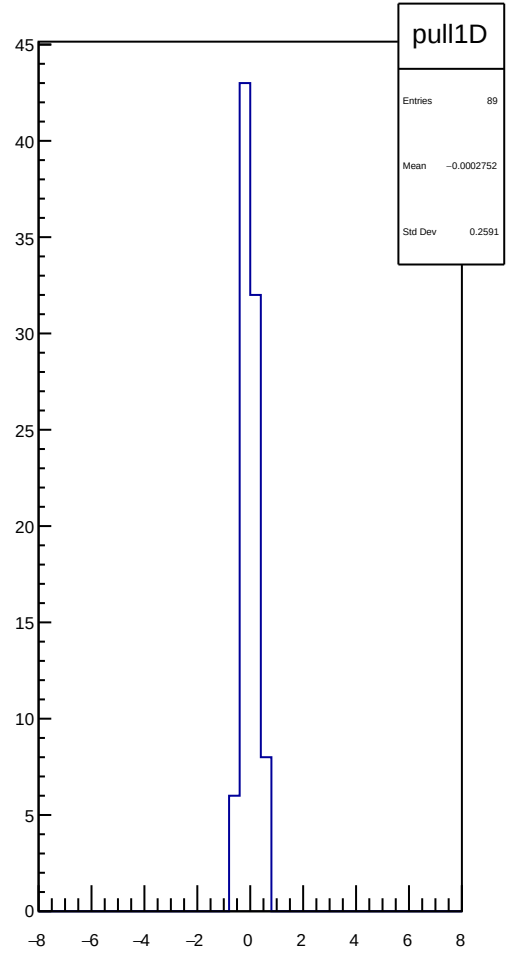

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.17 / 88
p0 −13.37 ± 7.939
pull
Entries 89
Mean 314.6
Std Dev 252.9

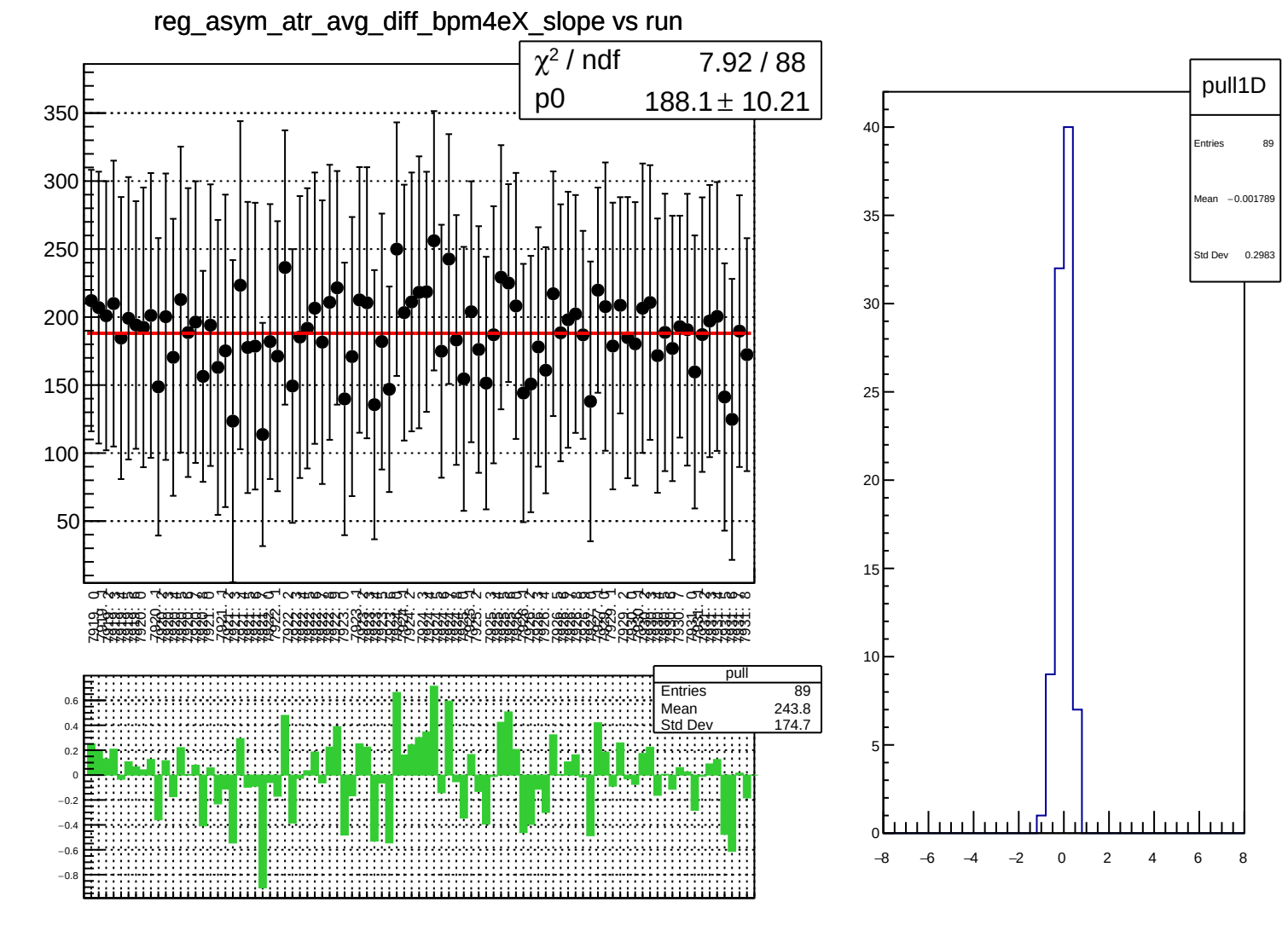

pull1D
Entries 89
Mean −0.005517
Std Dev 0.3847

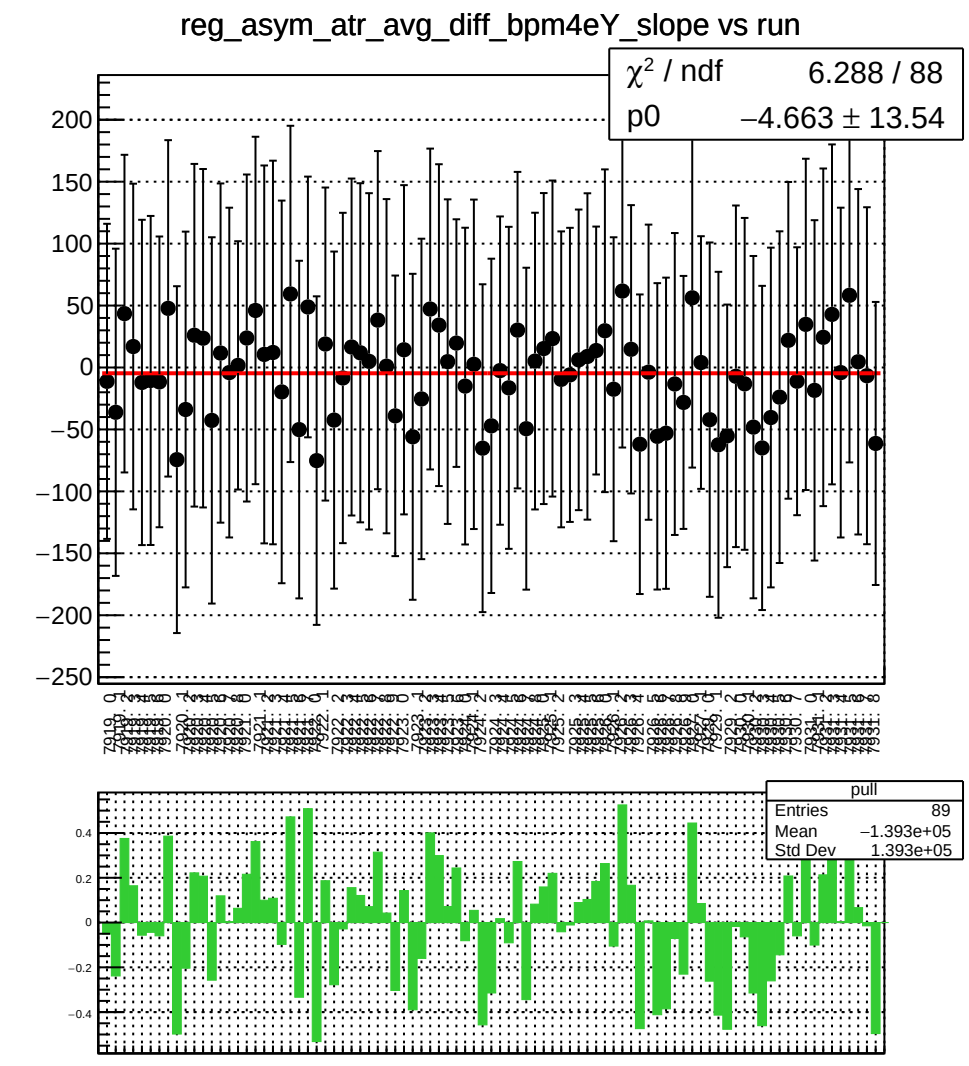

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 10.6 / 88
p0 126.2 ± 0.2295
132
130
128
126
124
122
pull
Entries 89
Mean −686.3
Std Dev 732.3
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.002084
Std Dev 0.3451
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

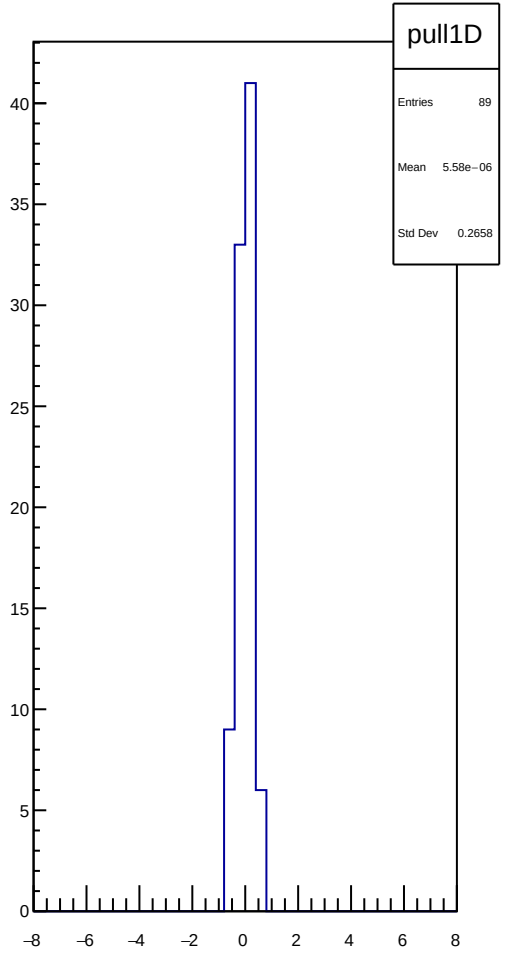

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 7.842 / 88
p0 −178.5 ± 11.42
pull
Entries 89
Mean 191.3
Std Dev 109.7
pull1D
Entries 89
Mean 0.001849
Std Dev 0.2968

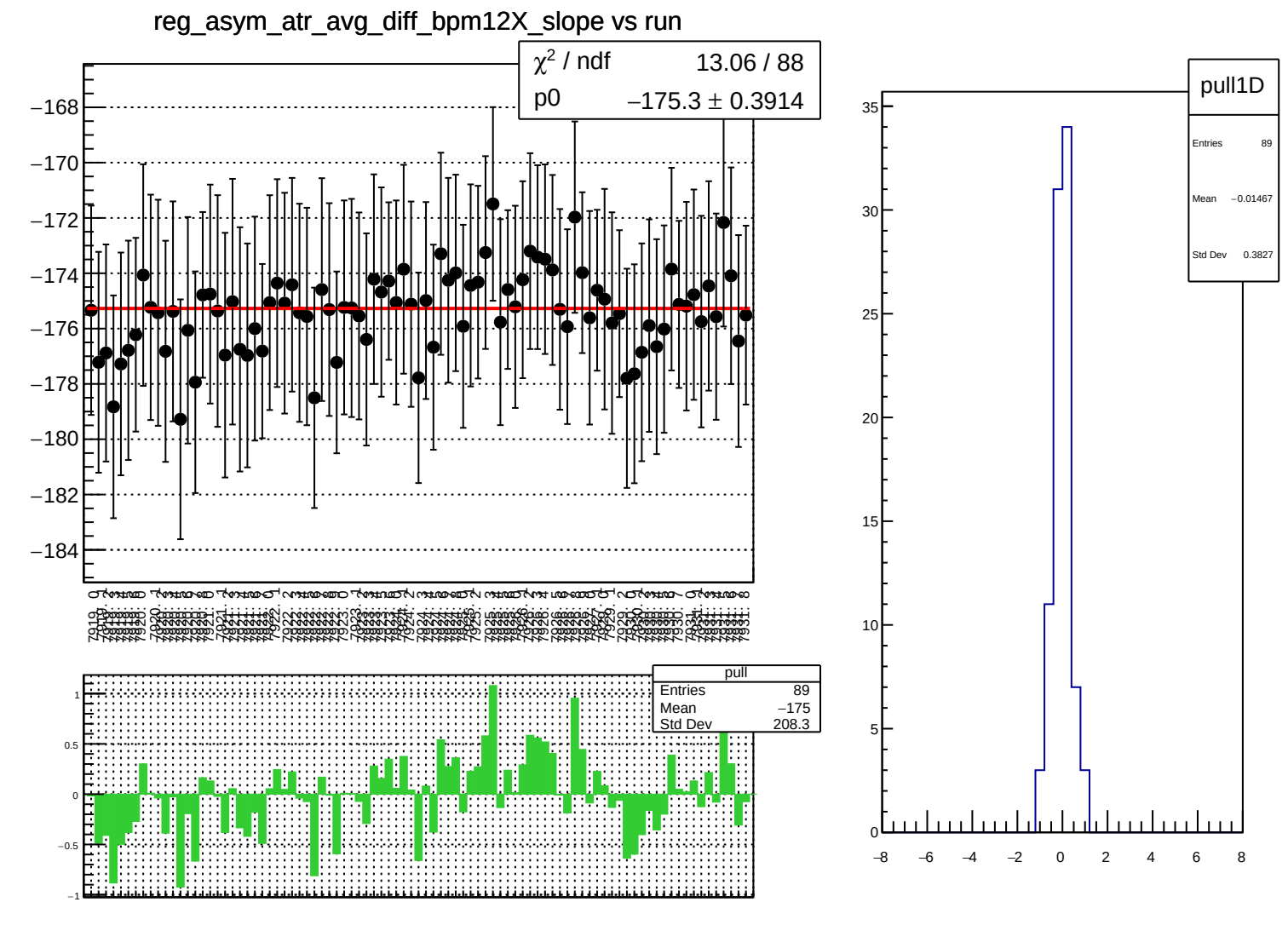

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.977 / 88
p0 63.49 ± 11.78
pull
Entries 89
Mean −2738
Std Dev 2785

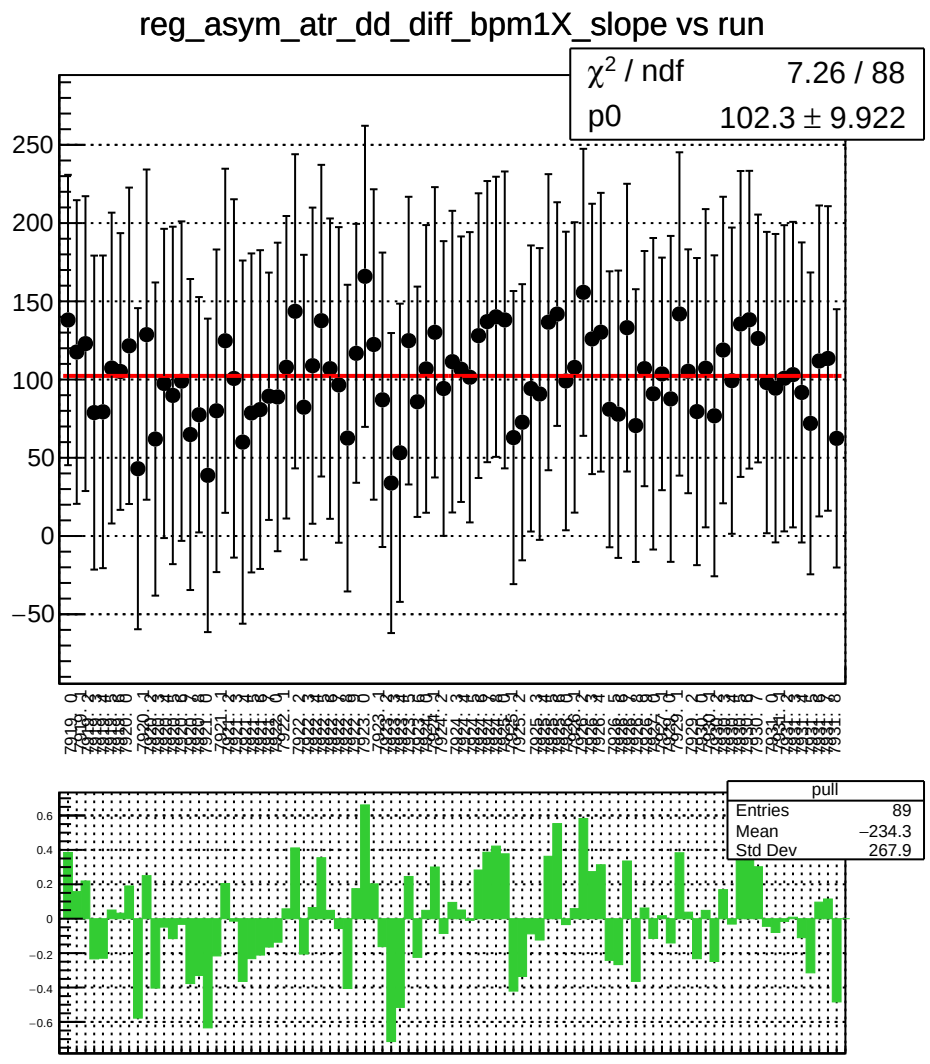

pull1D
Entries 89
Mean −0.0002752
Std Dev 0.2591

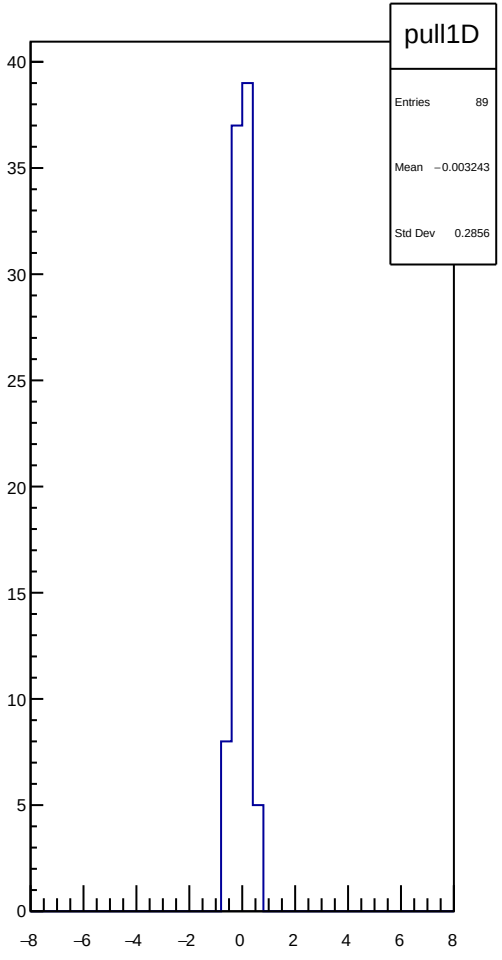

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.92 / 88
p0 188.1 ± 10.21
pull
Entries 89
Mean 243.8
Std Dev 174.7
pull1D
Entries 89
Mean −0.001789
Std Dev 0.2983

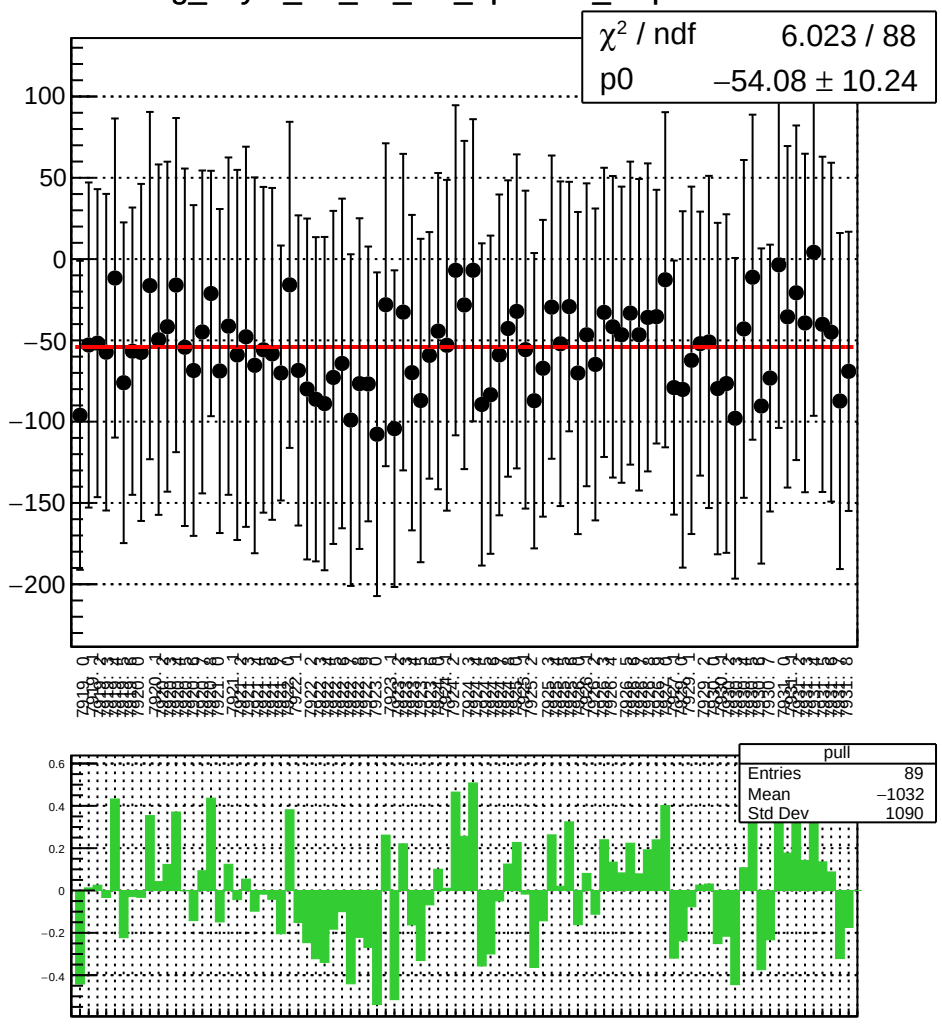

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.288 / 88
p0 −4.663 ± 13.54
pull
Entries 89
Mean −1.393e+05
Std Dev 1.393e+05

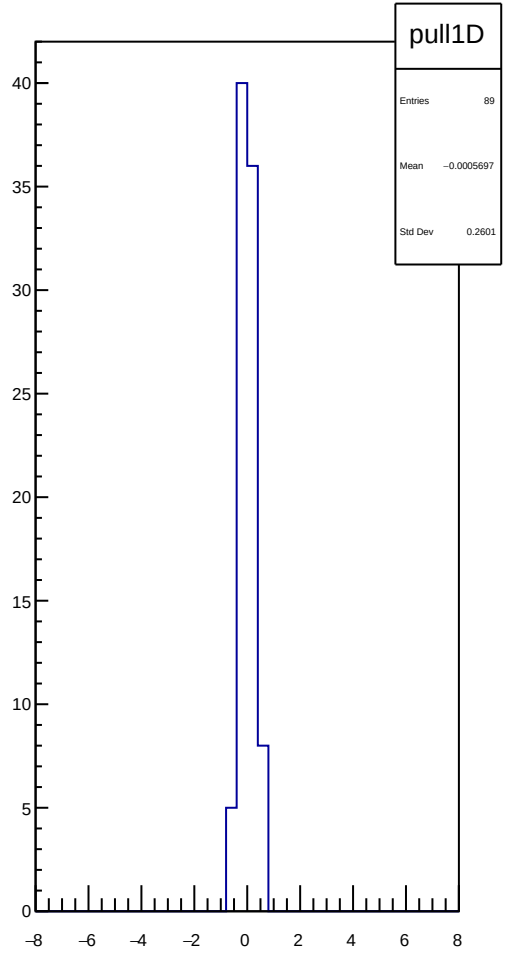

pull1D
Entries 89
Mean 5.58e−06
Std Dev 0.2658

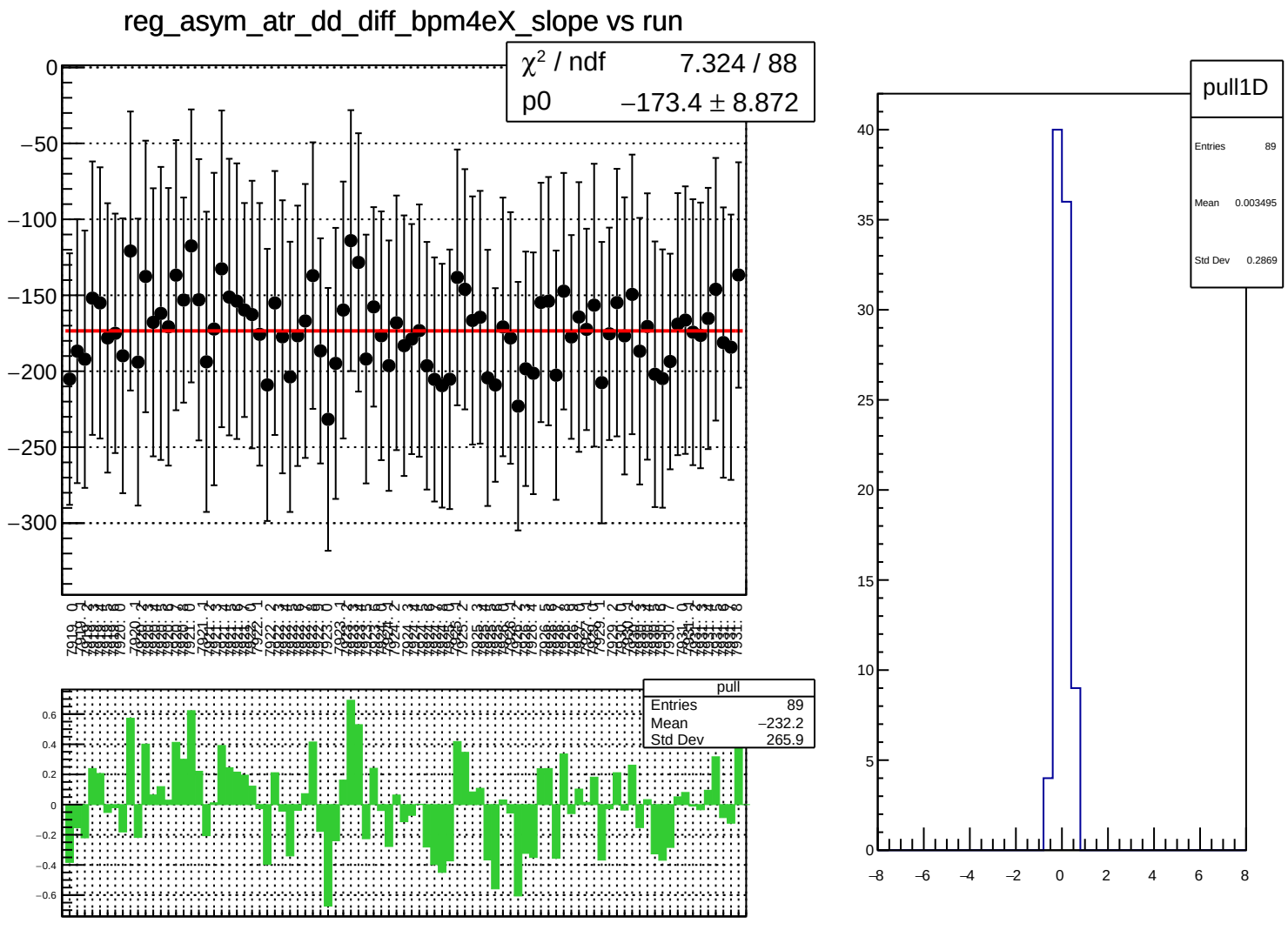

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 13.06 / 88
p0 −175.3 ± 0.3914
pull
Entries 89
Mean −175
Std Dev 208.3
pull1D
Entries 89
Mean −0.01467
Std Dev 0.3827

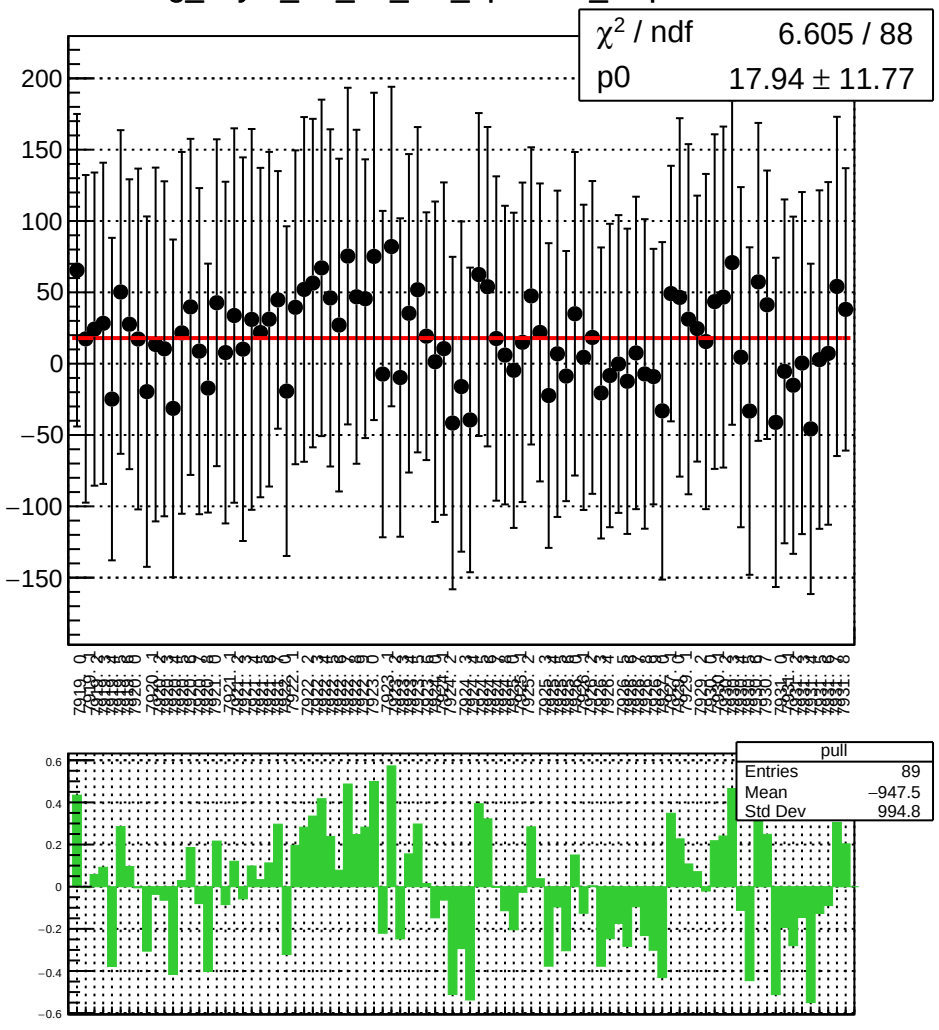

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 7.26 / 88
p0 102.3 ± 9.922
pull
Entries 89
Mean −234.3
Std Dev 267.9

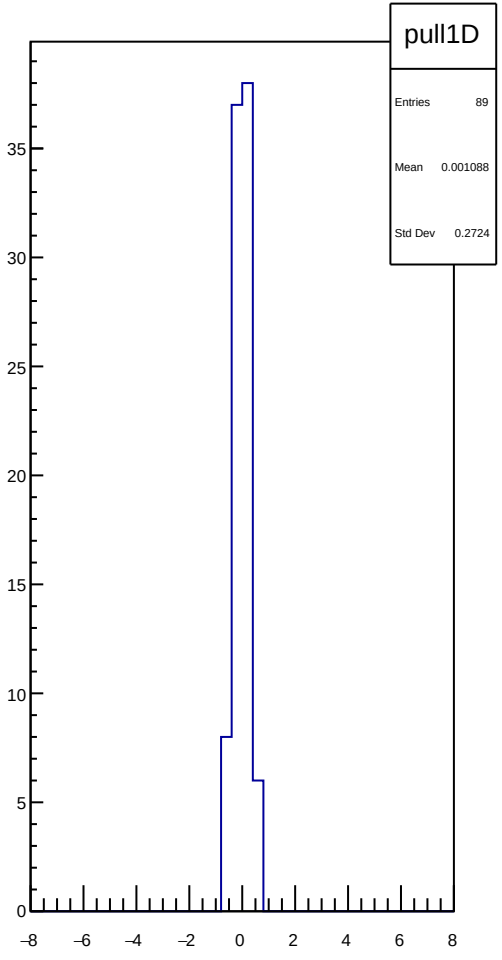

pull1D
Entries 89
Mean −0.003243
Std Dev 0.2856

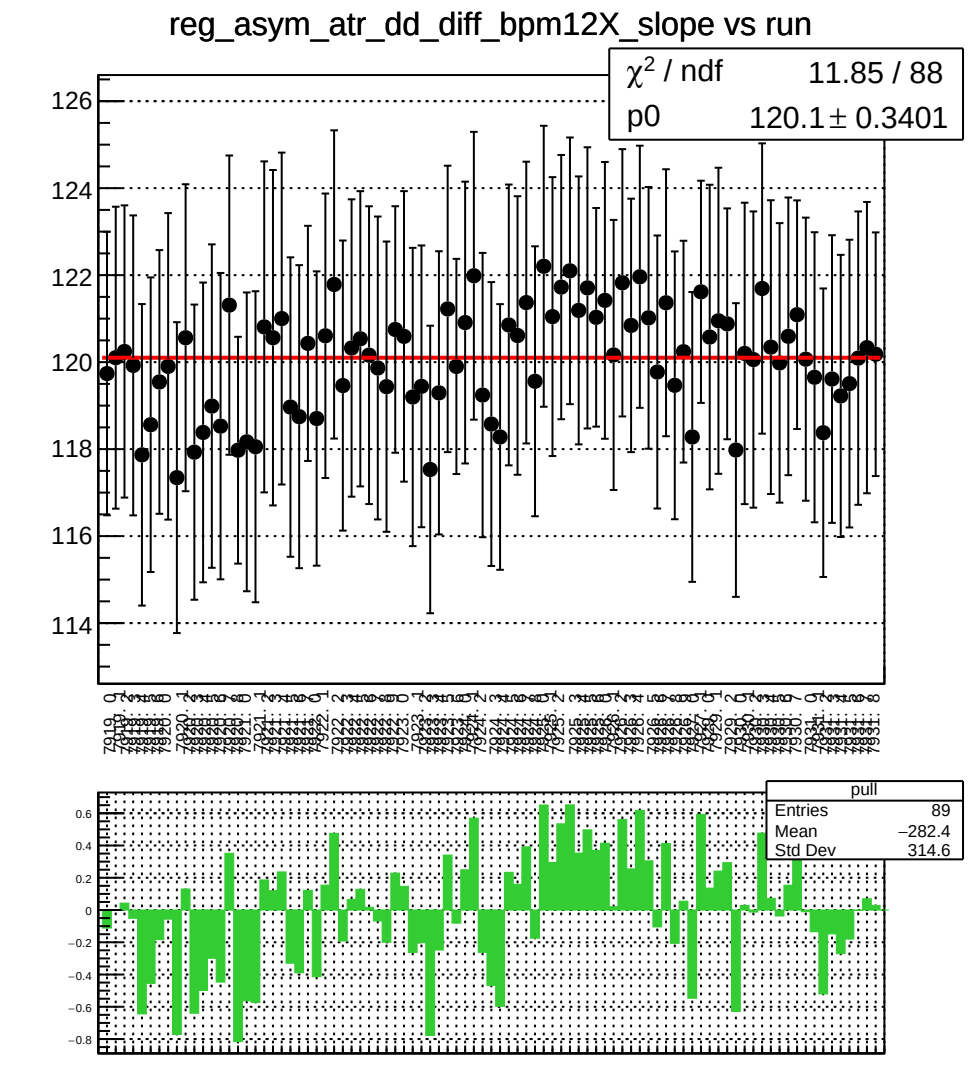

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.023 / 88
p0 −54.08 ± 10.24
pull
Entries 89
Mean −1032
Std Dev 1090

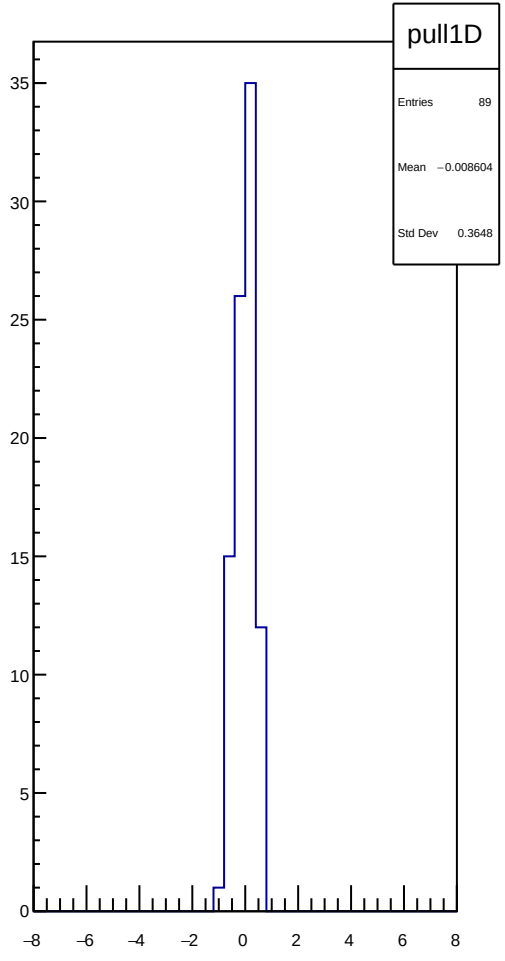

pull1D
Entries 89
Mean −0.0005697
Std Dev 0.2601

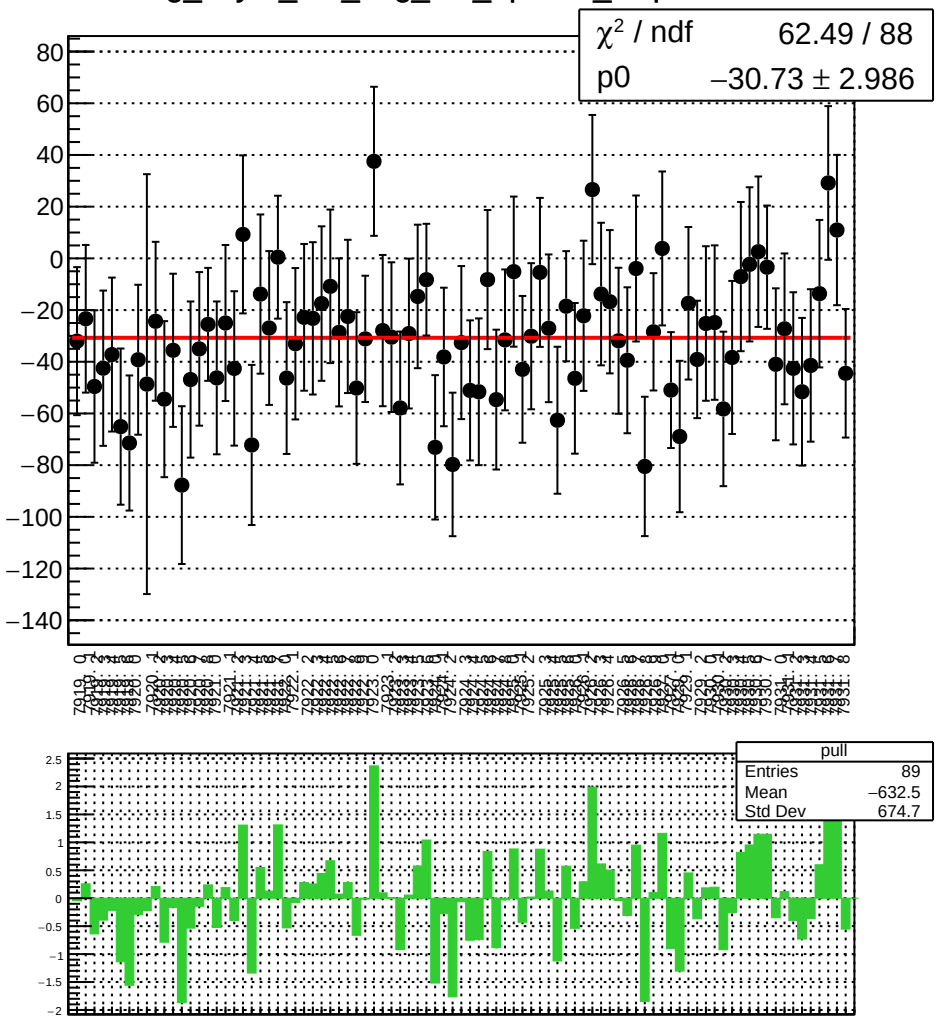

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.324 / 88
p0 −173.4 ± 8.872
pull
Entries 89
Mean −232.2
Std Dev 265.9
pull1D
Entries 89
Mean 0.003495
Std Dev 0.2869

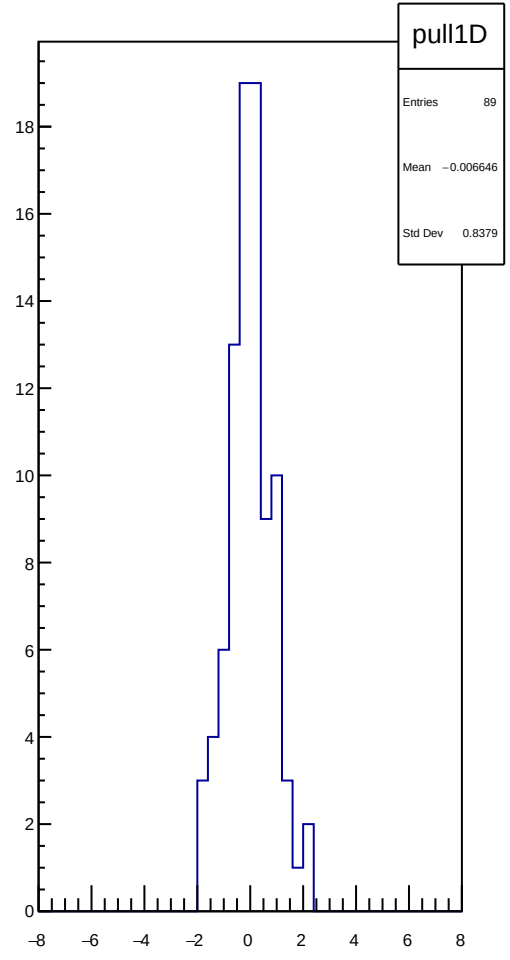

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.605 / 88
p0 17.94 ± 11.77
pull
Entries 89
Mean −947.5
Std Dev 994.8

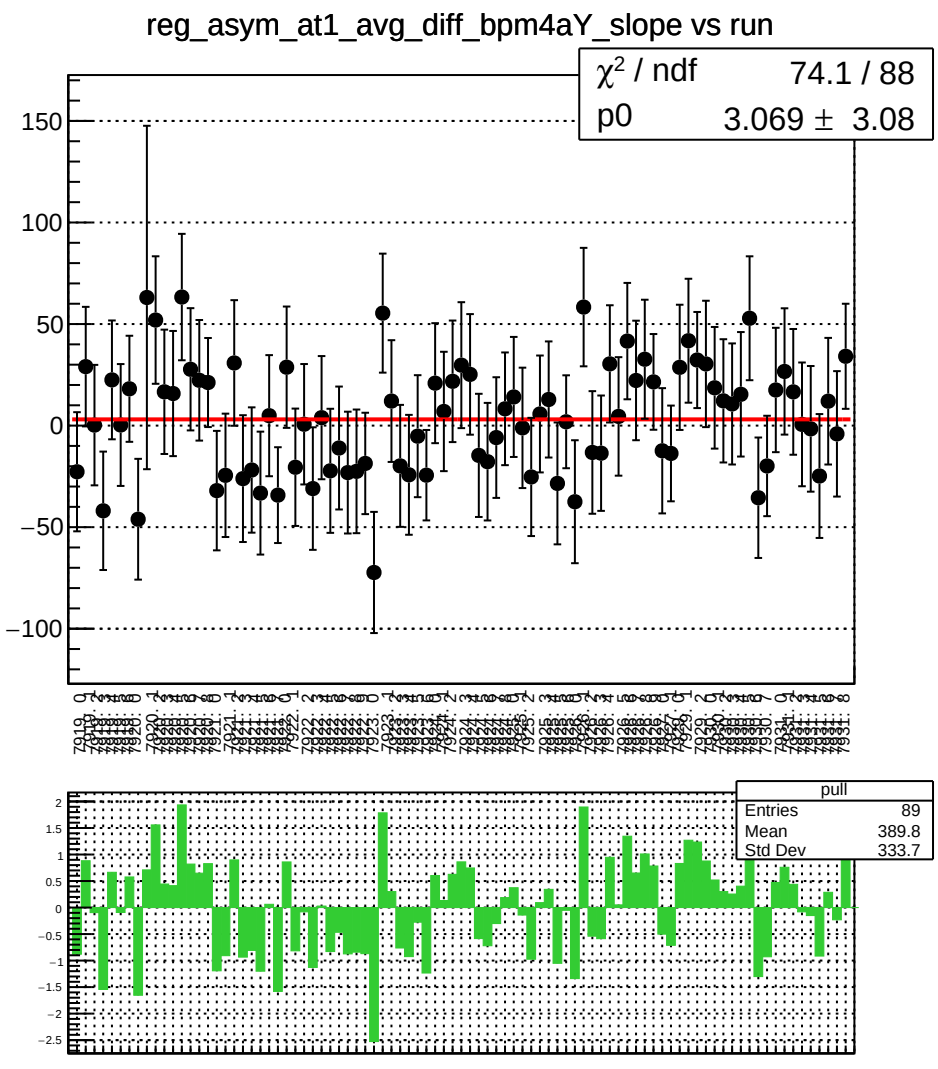

pull1D
Entries 89
Mean 0.001088
Std Dev 0.2724

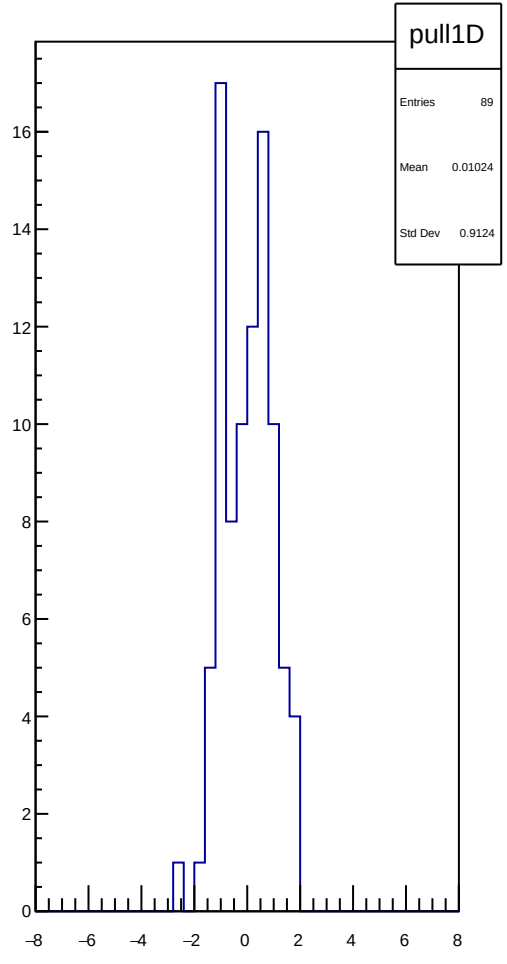

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 11.85 / 88
p0 120.1 ± 0.3401
pull
Entries 89
Mean −282.4
Std Dev 314.6

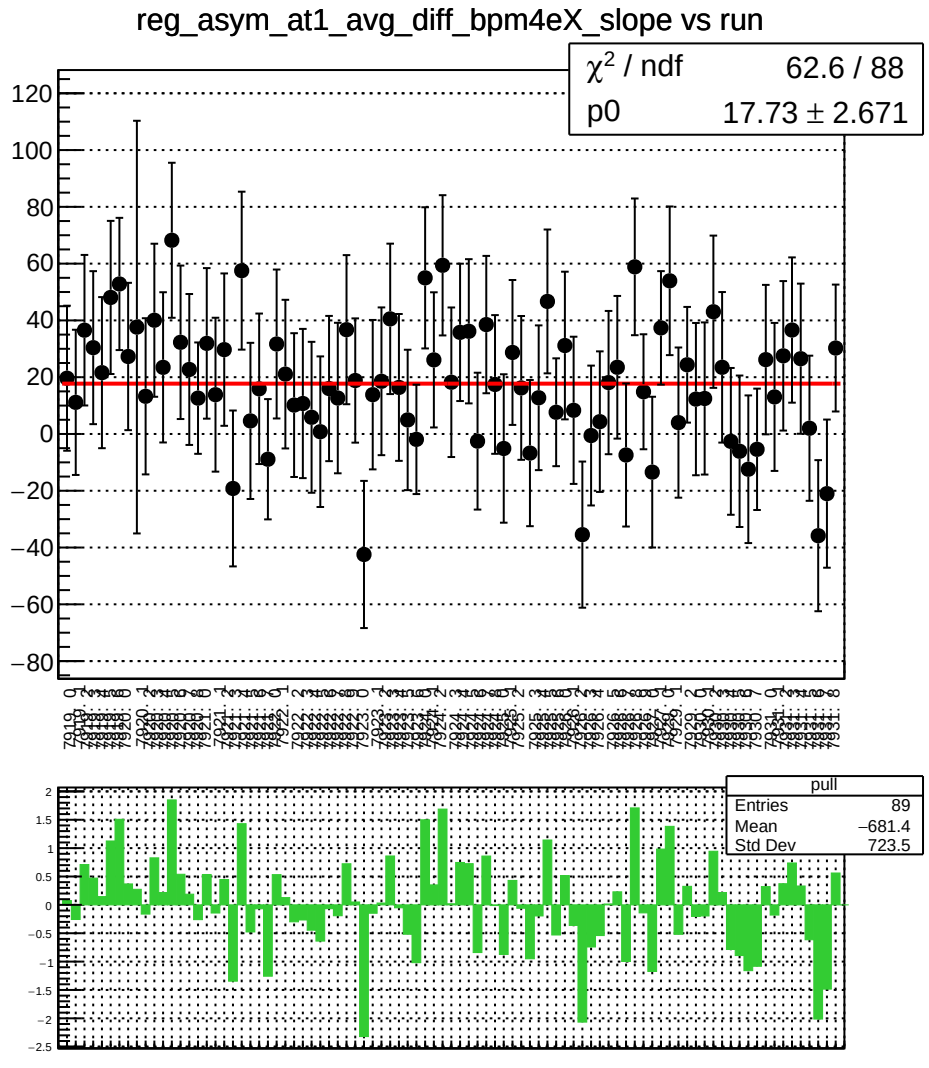

pull1D
Entries 89
Mean −0.008604
Std Dev 0.3648

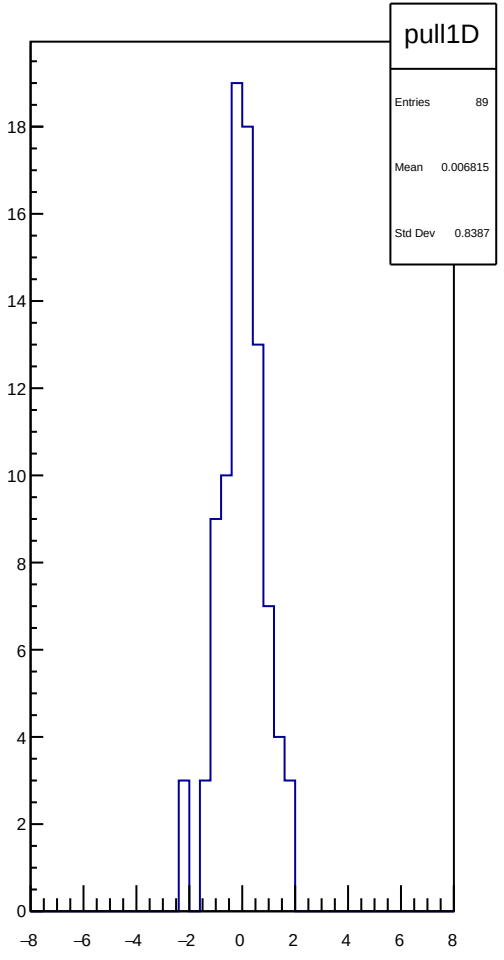

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 62.49 / 88
p0 −30.73 ± 2.986
pull
Entries 89
Mean −632.5
Std Dev 674.7

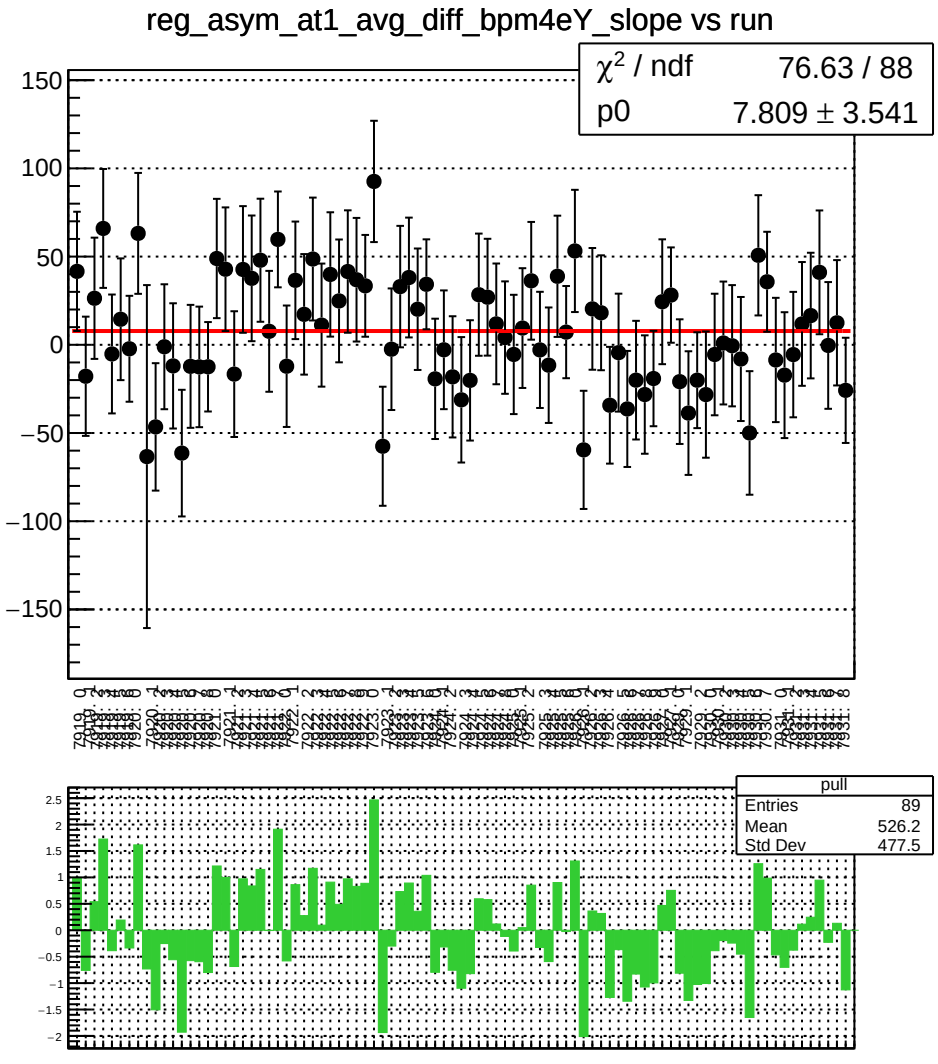

pull1D
Entries 89
Mean −0.006646
Std Dev 0.8379

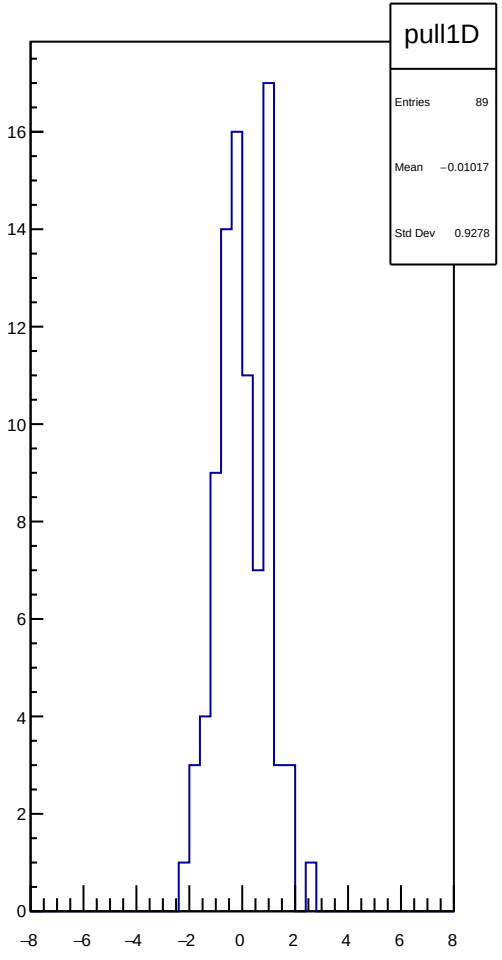

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.1 / 88
p0 3.069 ± 3.08
150
100
50
0
−50
−100
pull
Entries 89
Mean 389.8
Std Dev 333.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

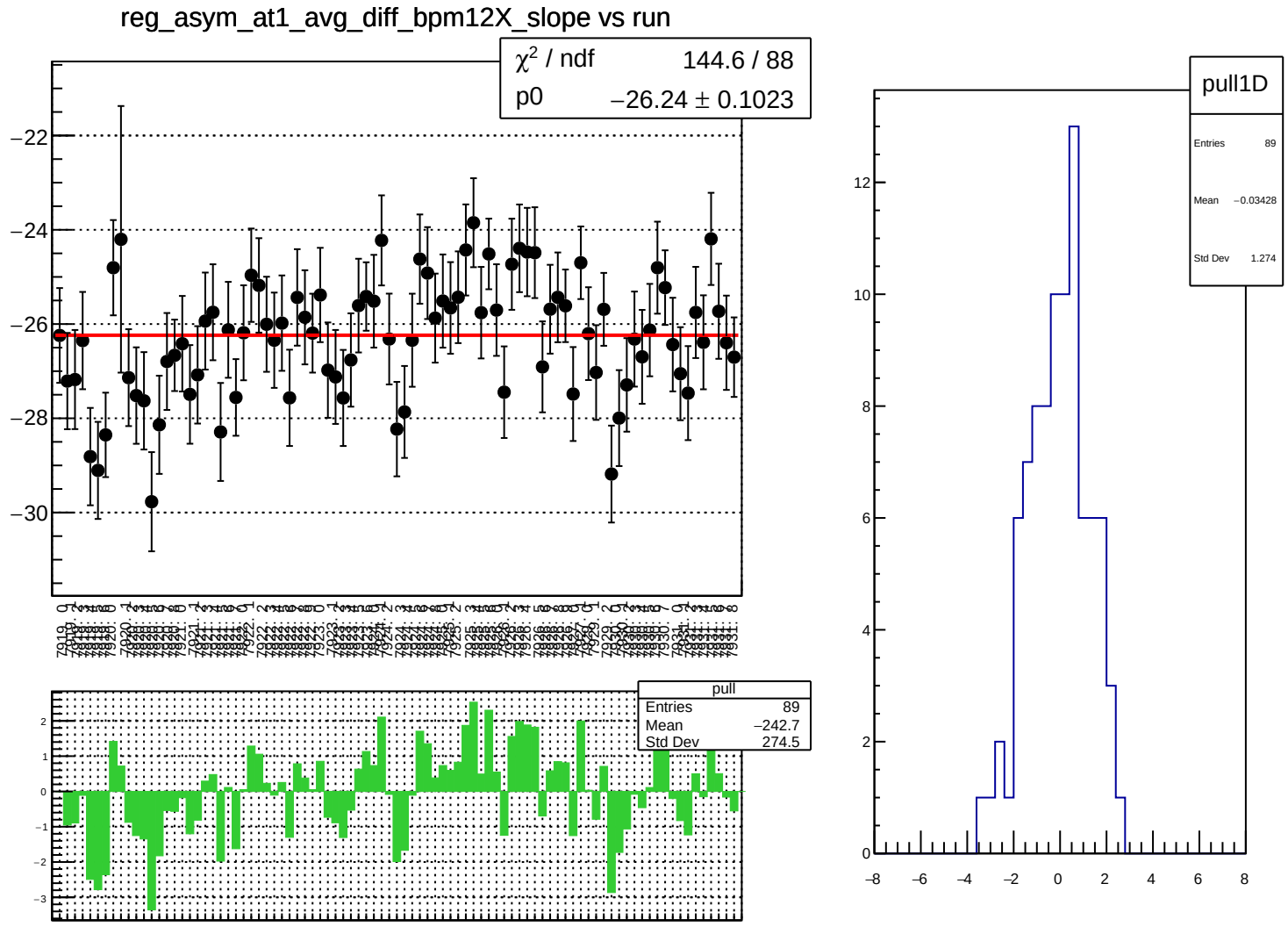

pull1D
Entries 89
Mean 0.01024
Std Dev 0.9124
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

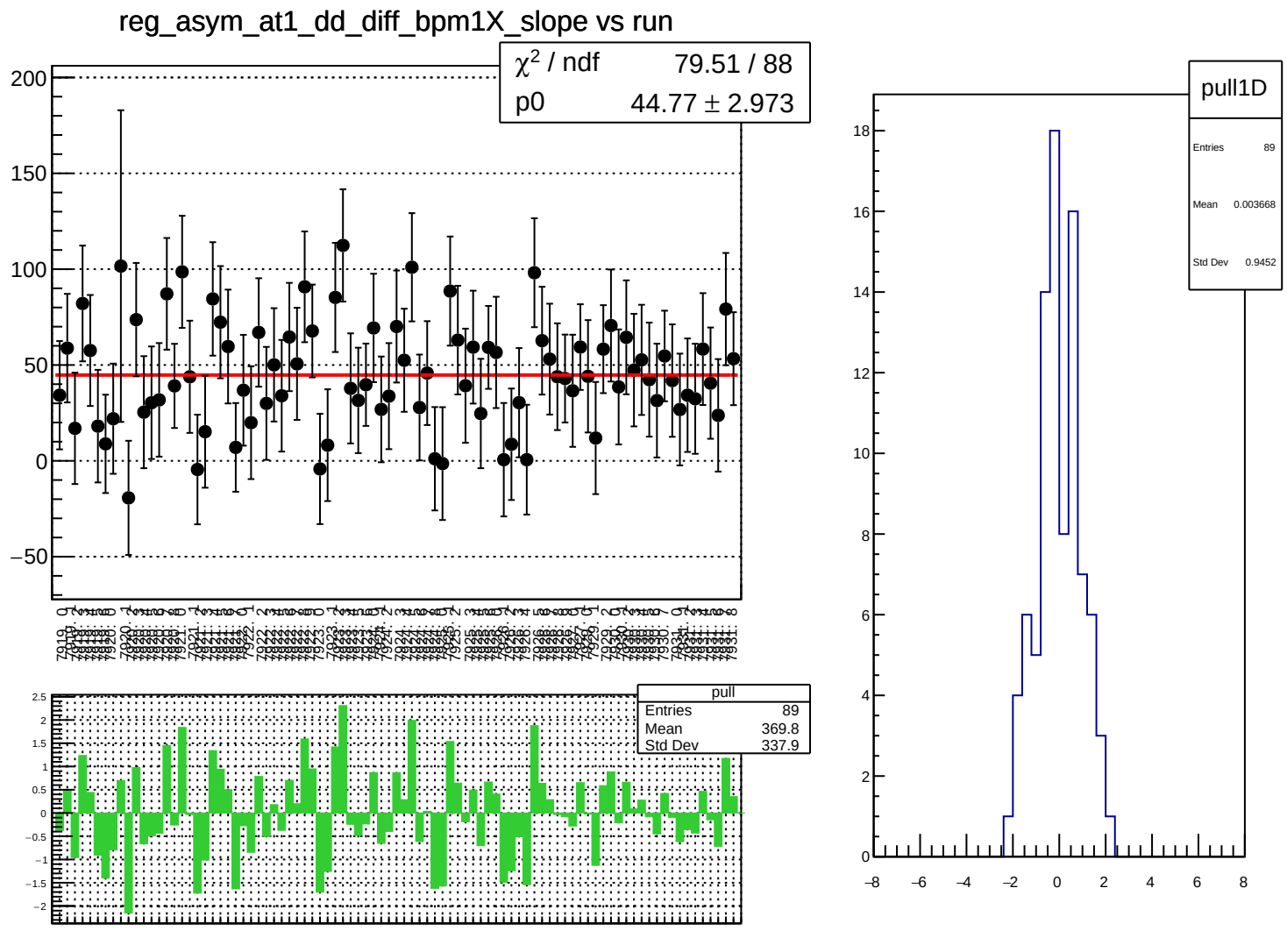

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.6 / 88
p0 17.73 ± 2.671
pull
Entries 89
Mean −681.4
Std Dev 723.5

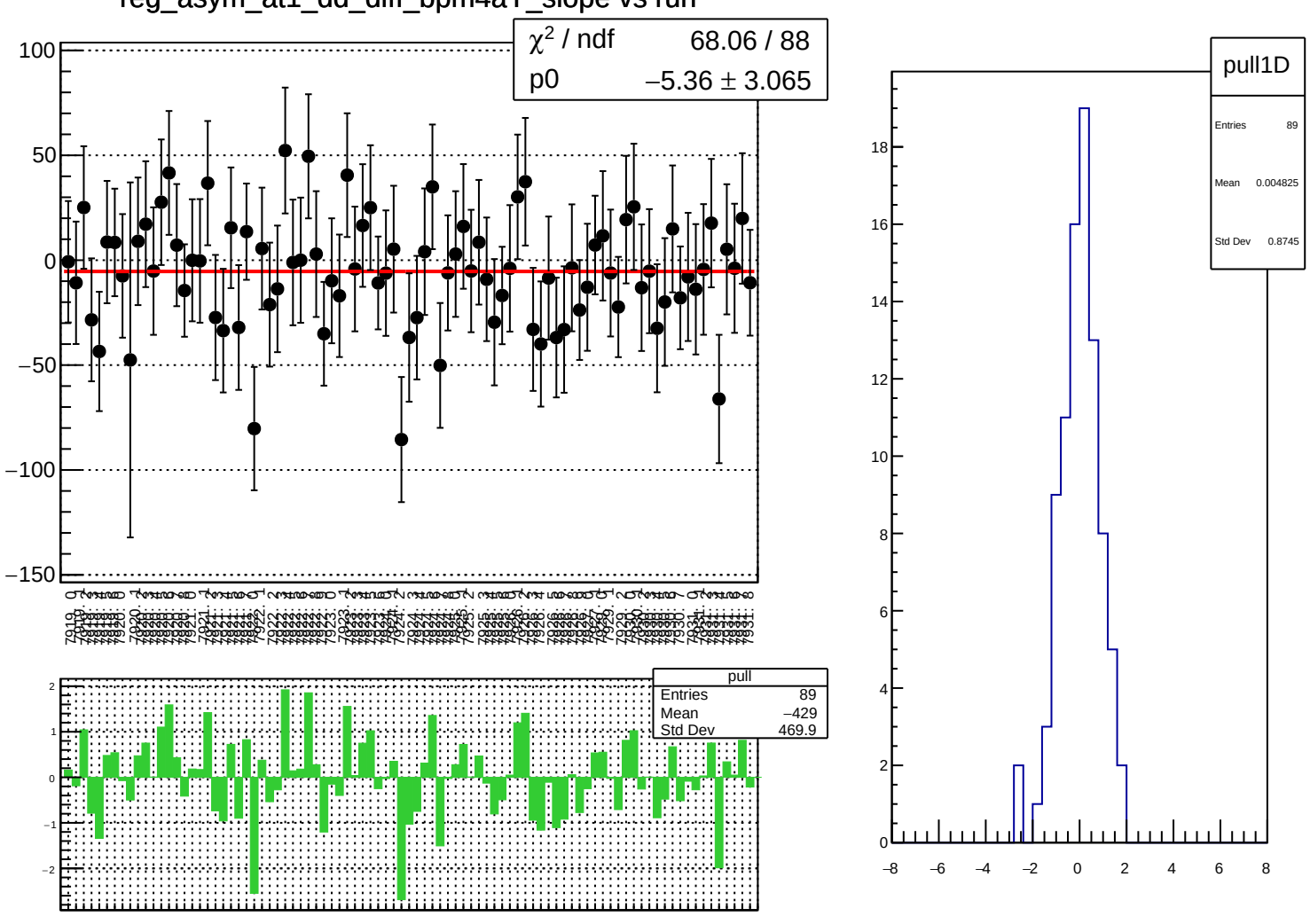

pull1D
Entries 89
Mean 0.006815
Std Dev 0.8387

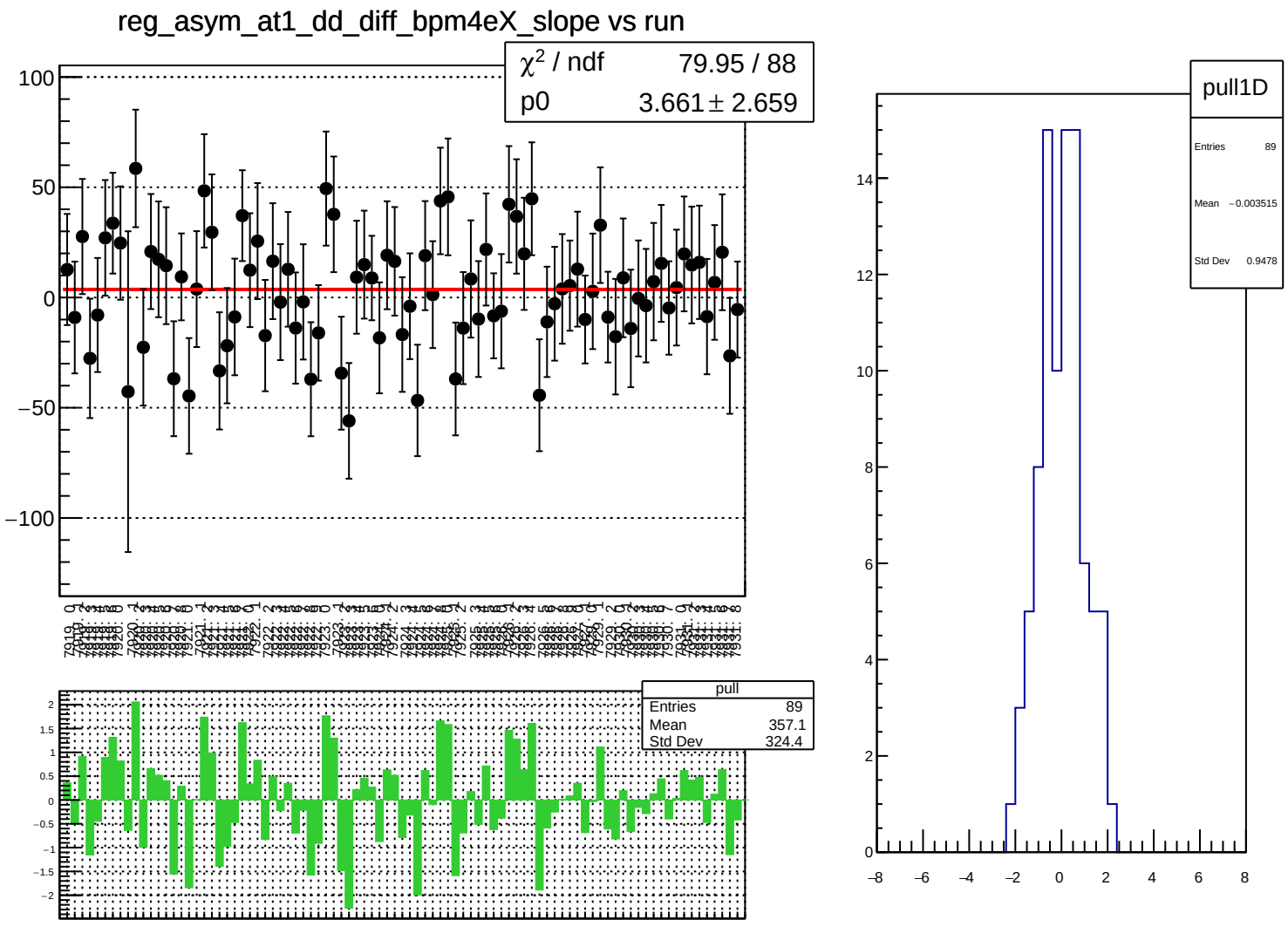

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.63 / 88
p0 7.809 ± 3.541
pull
Entries 89
Mean 526.2
Std Dev 477.5

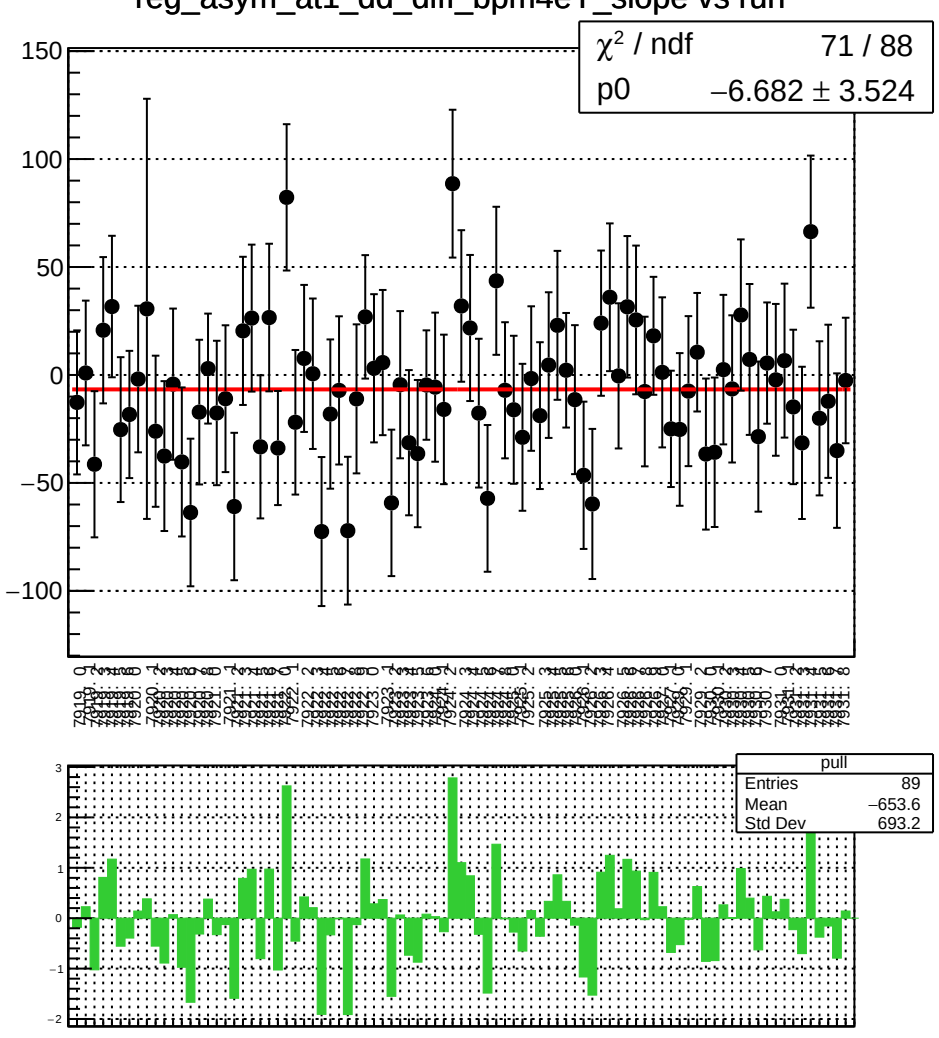

pull1D
Entries 89
Mean −0.01017
Std Dev 0.9278

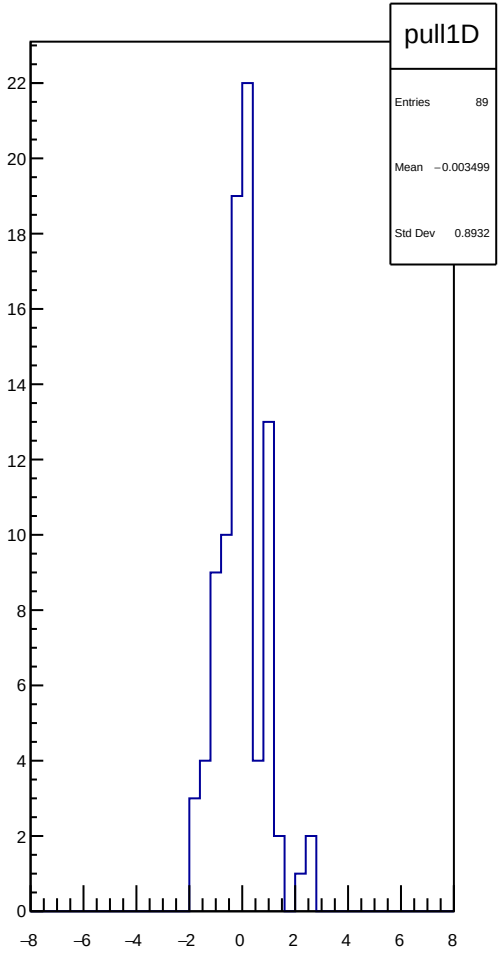

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 144.6 / 88
p0 −26.24 ± 0.1023
−22
−24
−26
−28
−30
pull
Entries 89
Mean −242.7
Std Dev 274.5
2
1
0
−1
−2
−3
pull1D
Entries 89
Mean −0.03428
Std Dev 1.274
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

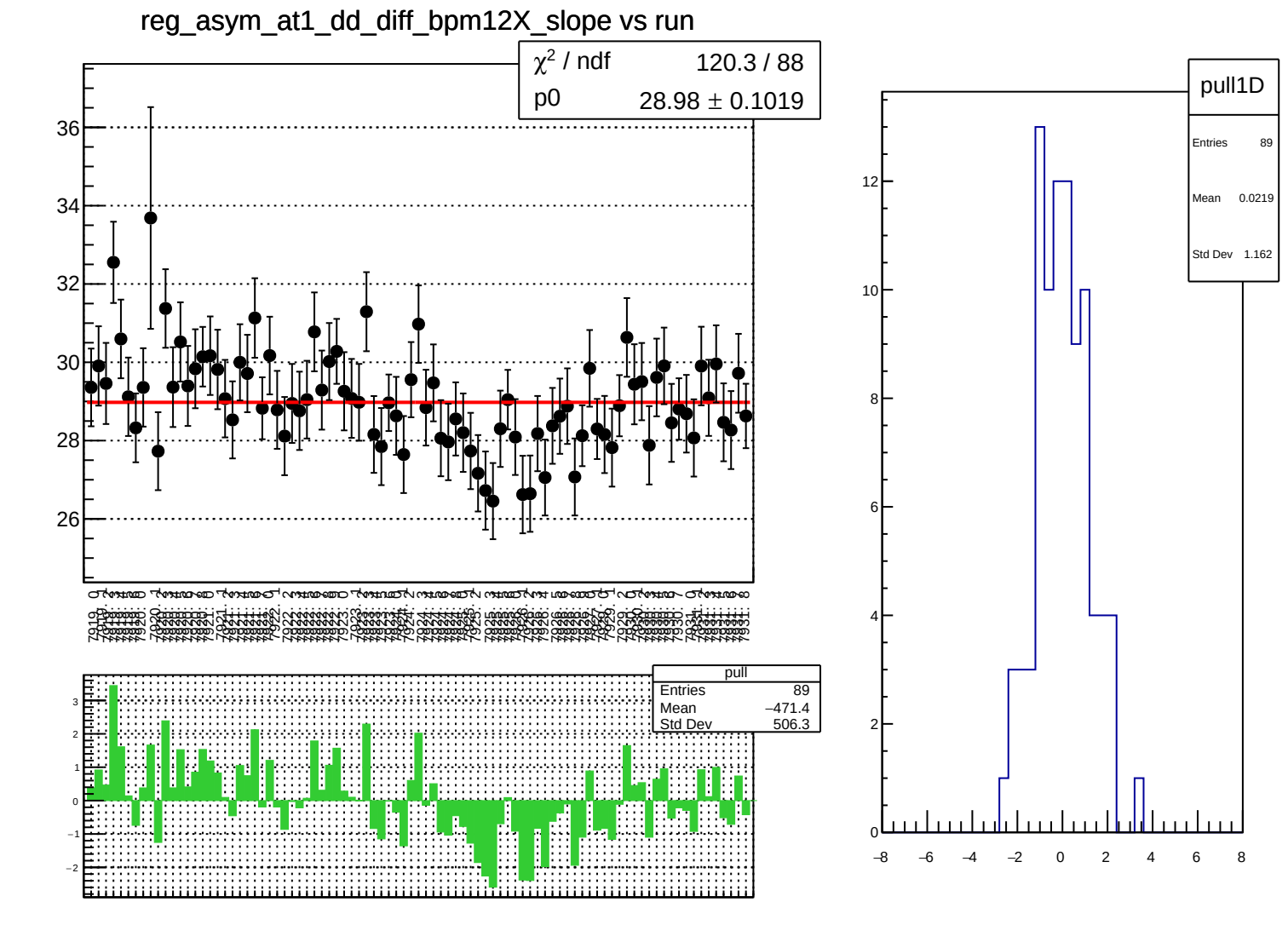

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 79.51 / 88
p0 44.77 ± 2.973
pull
Entries 89
Mean 369.8
Std Dev 337.9
pull1D
Entries 89
Mean 0.003668
Std Dev 0.9452

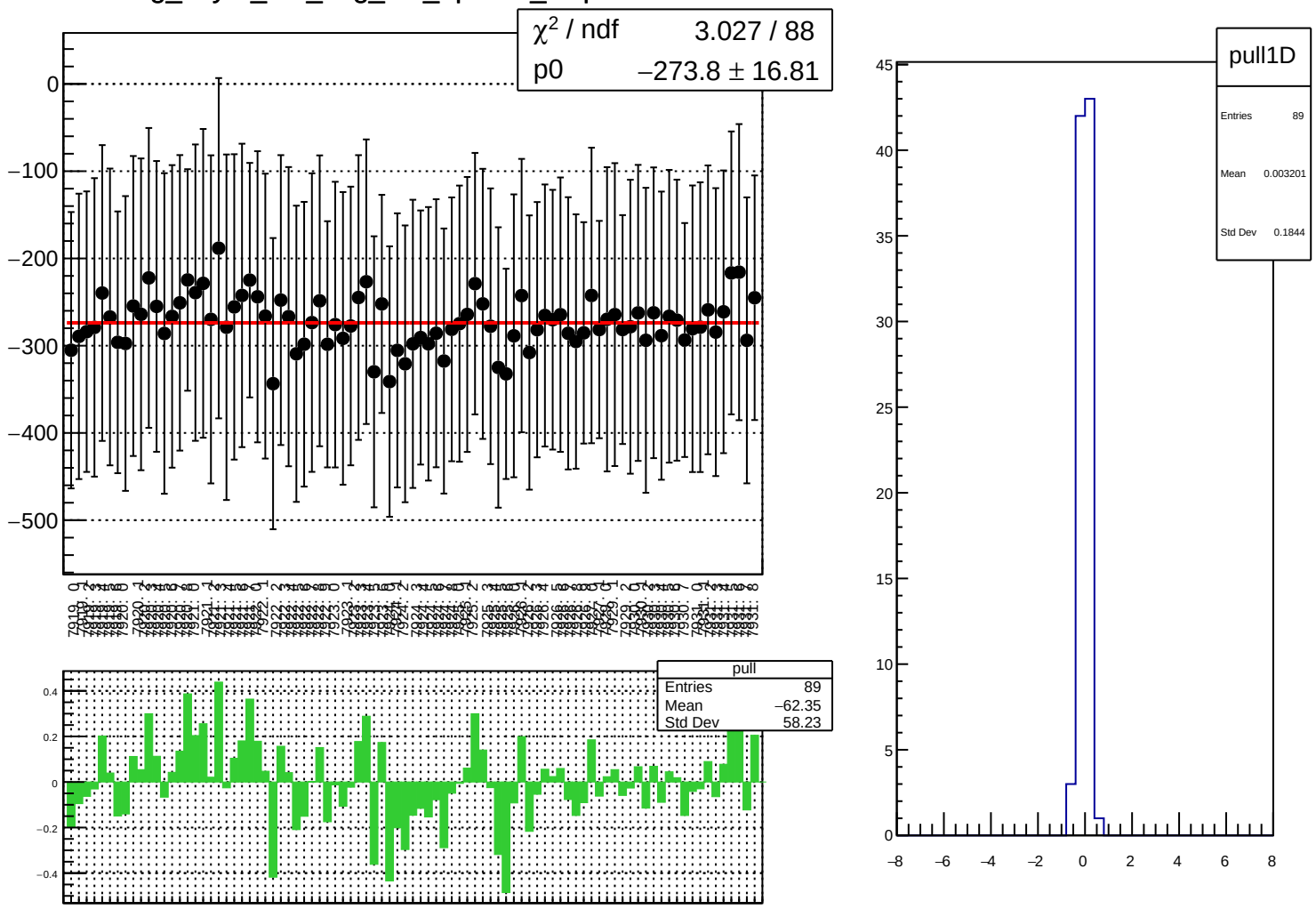

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.06 / 88
p0 −5.36 ± 3.065
pull
Entries 89
Mean −429
Std Dev 469.9
pull1D
Entries 89
Mean 0.004825
Std Dev 0.8745

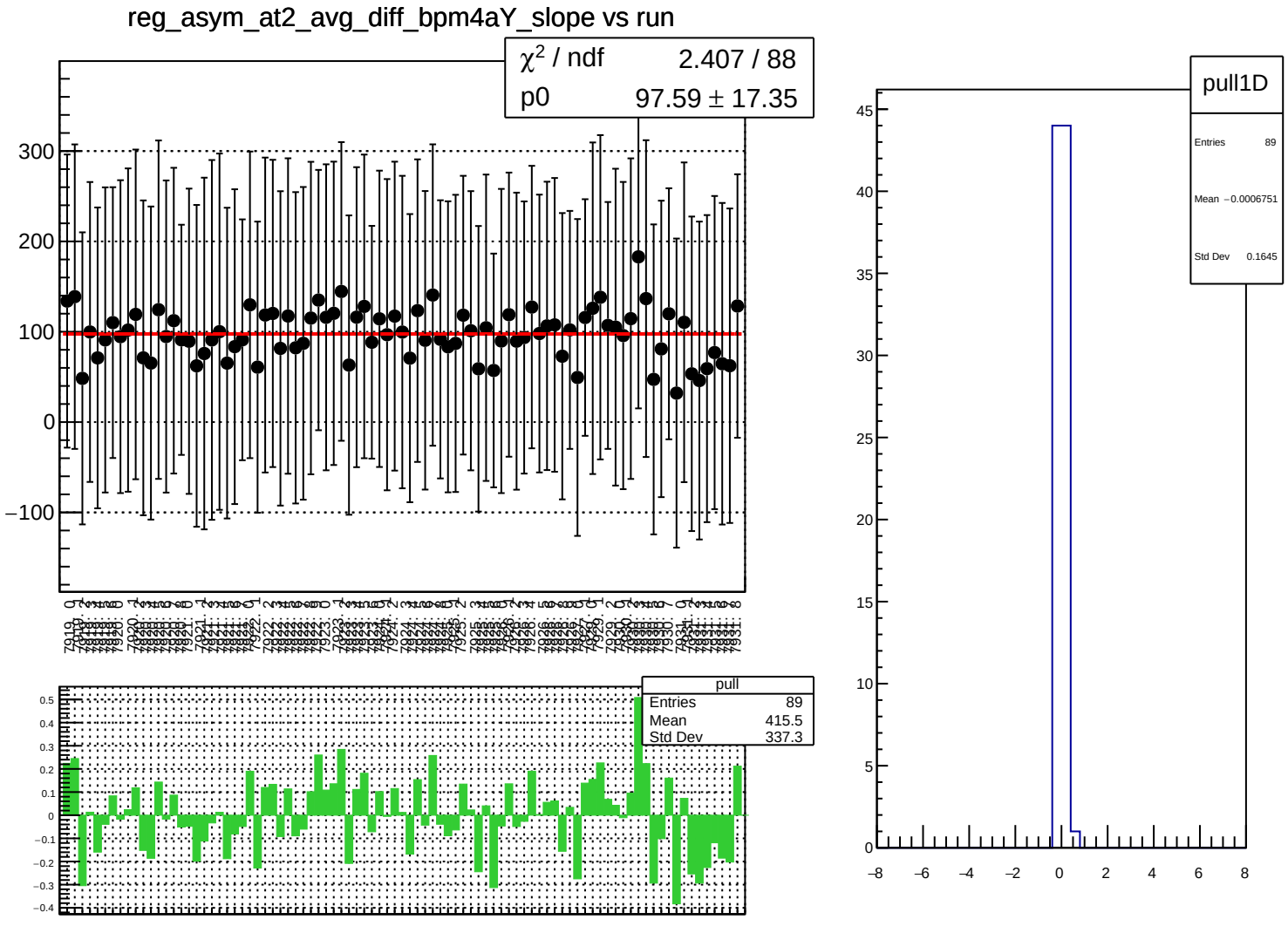

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.95 / 88
p0 3.661 ± 2.659
pull
Entries 89
Mean 357.1
Std Dev 324.4
pull1D
Entries 89
Mean −0.003515
Std Dev 0.9478

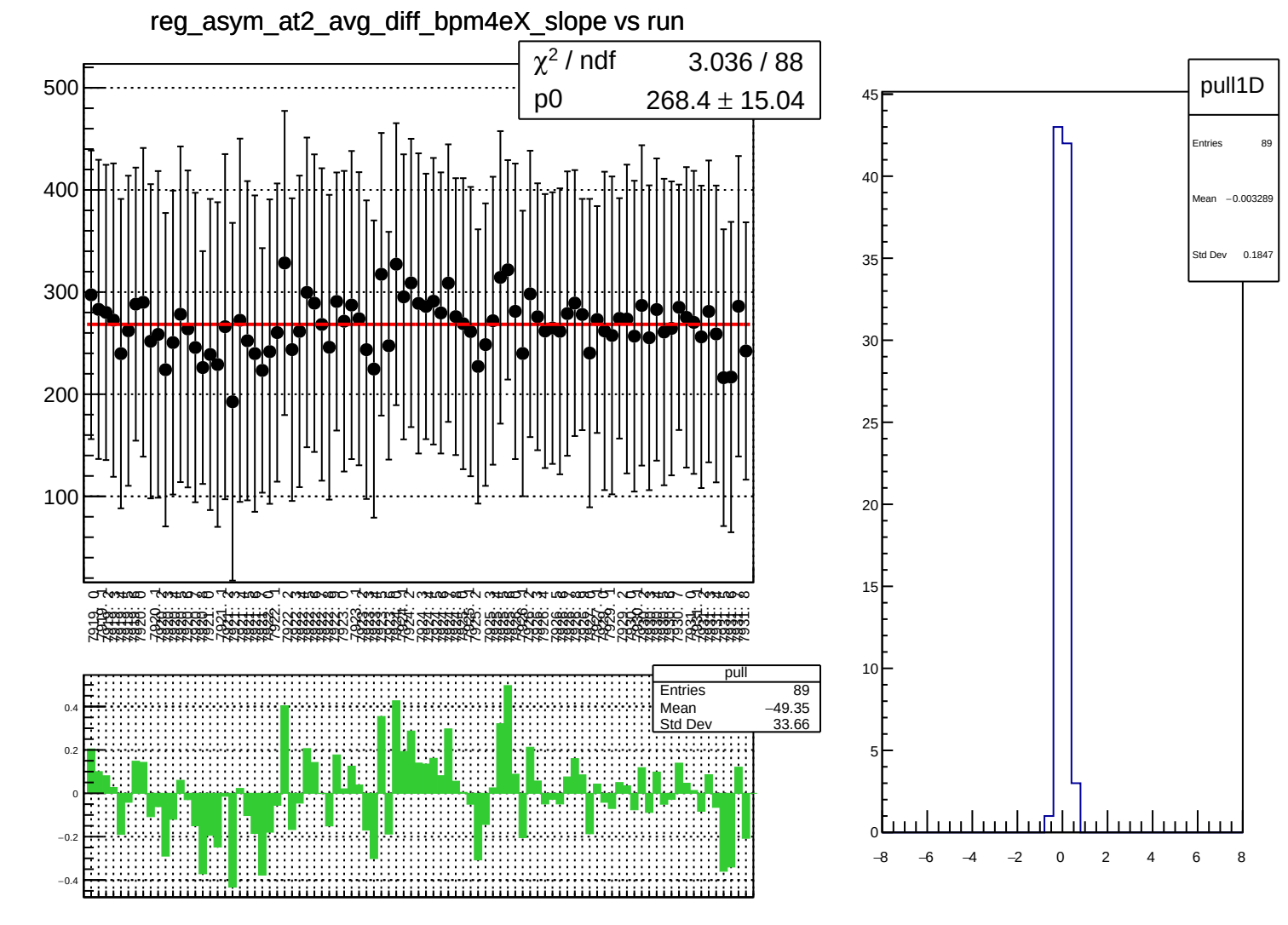

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 71 / 88
p0 −6.682 ± 3.524
150
100
50
0
−50
−100
pull
Entries 89
Mean −653.6
Std Dev 693.2
3
2
1
0
−1
−2

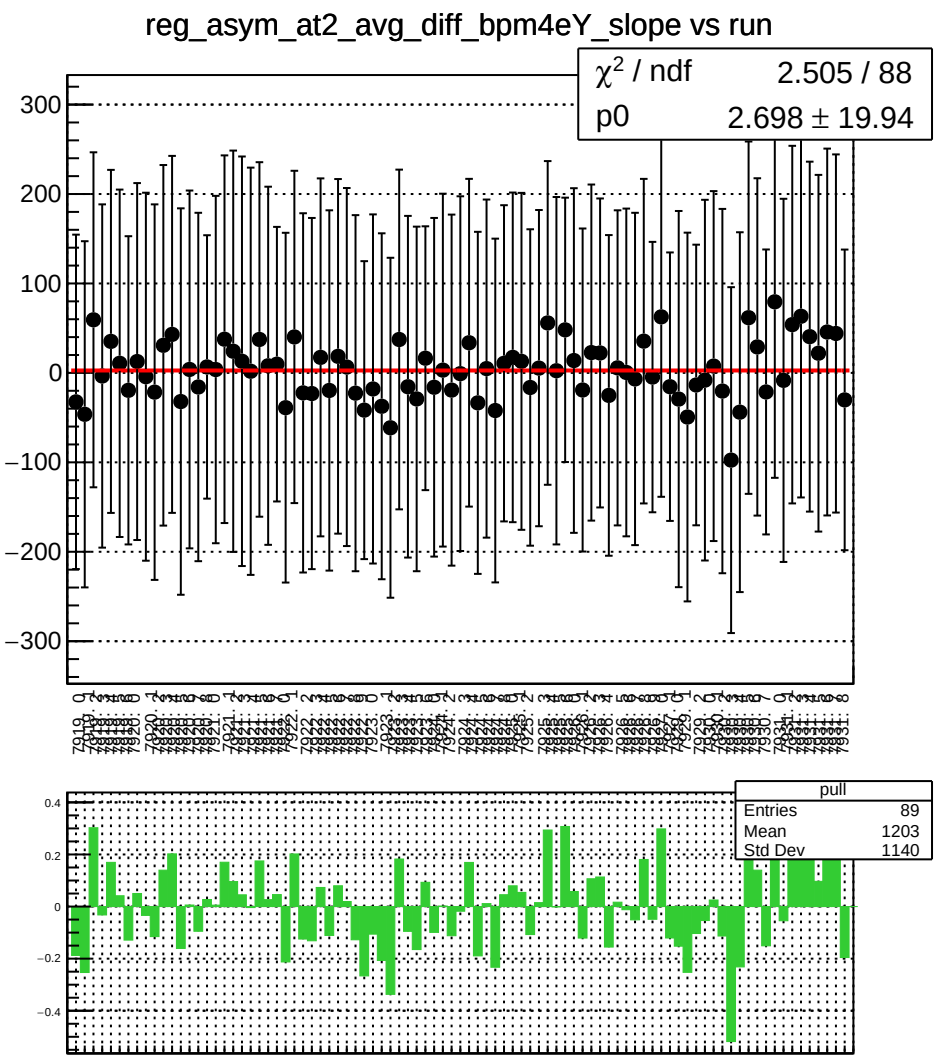

pull1D
Entries 89
Mean −0.003499
Std Dev 0.8932
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

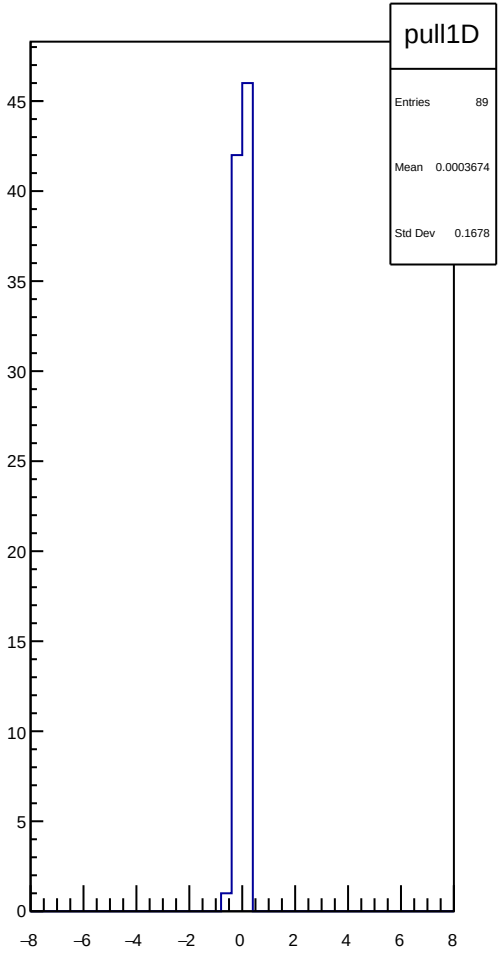

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 120.3 / 88
p0 28.98 ± 0.1019
pull
Entries 89
Mean −471.4
Std Dev 506.3
pull1D
Entries 89
Mean 0.0219
Std Dev 1.162

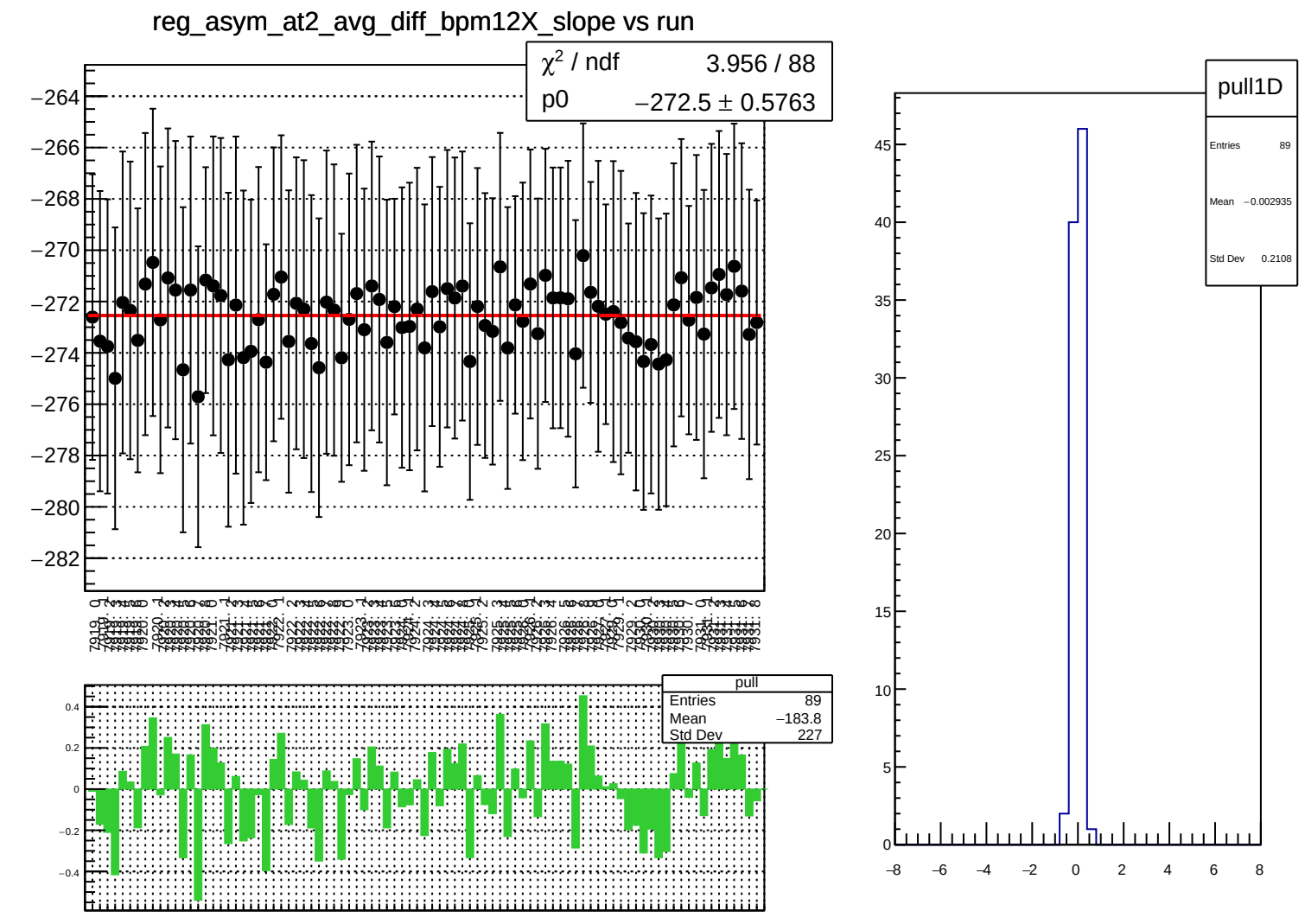

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.027 / 88
p0 −273.8 ± 16.81
pull
Entries 89
Mean −62.35
Std Dev 58.23
pull1D
Entries 89
Mean 0.003201
Std Dev 0.1844

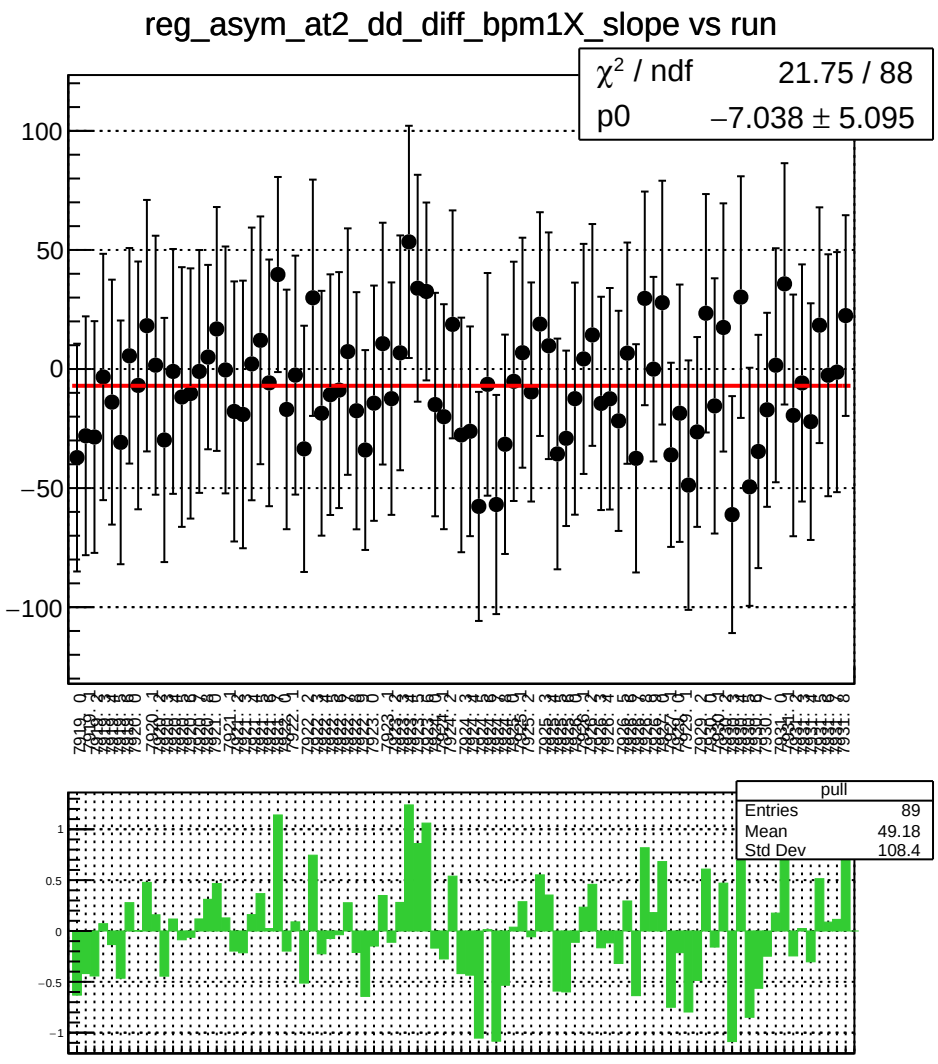

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.407 / 88
p0 97.59 ± 17.35
pull
Entries 89
Mean 415.5
Std Dev 337.3
pull1D
Entries 89
Mean −0.0006751
Std Dev 0.1645

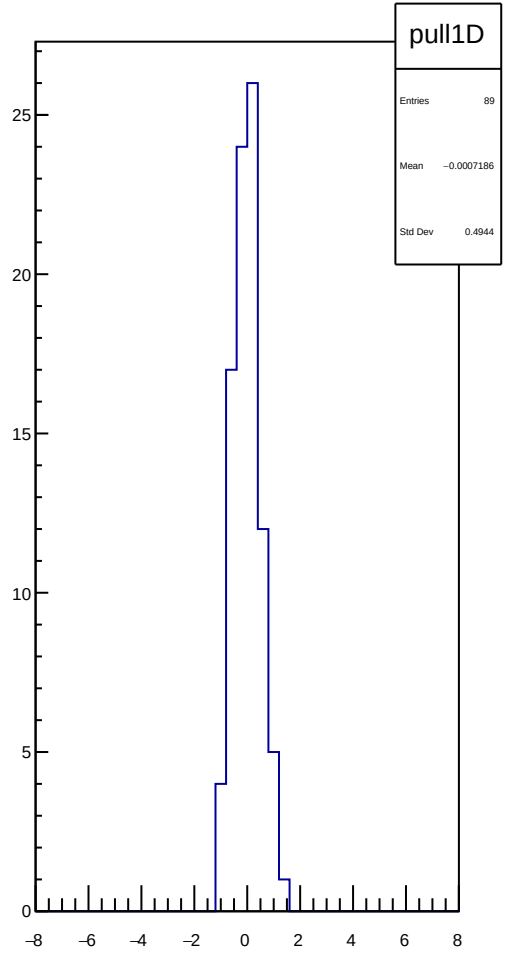

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.036 / 88
p0 268.4 ± 15.04
pull
Entries 89
Mean −49.35
Std Dev 33.66
pull1D
Entries 89
Mean −0.003289
Std Dev 0.1847

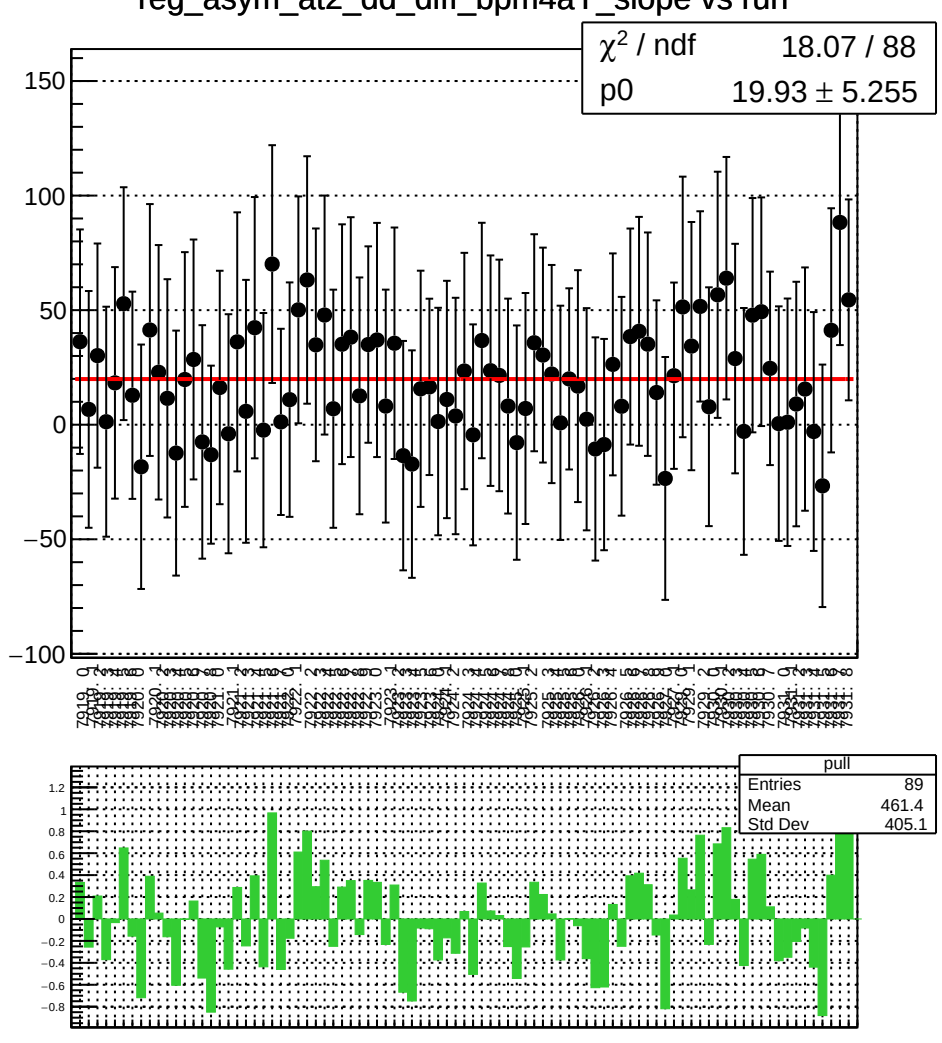

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.505 / 88
p0 2.698 ± 19.94
pull
Entries 89
Mean 1203
Std Dev 1140

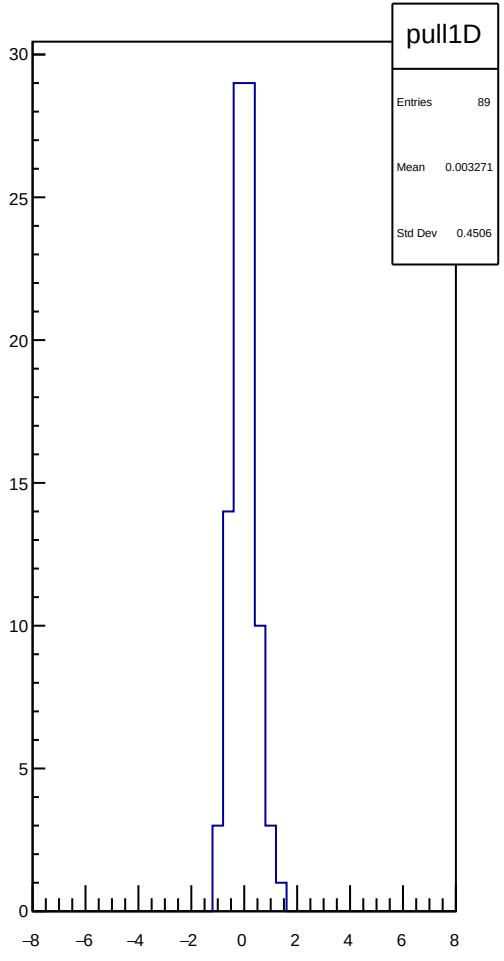

pull1D
Entries 89
Mean 0.0003674
Std Dev 0.1678

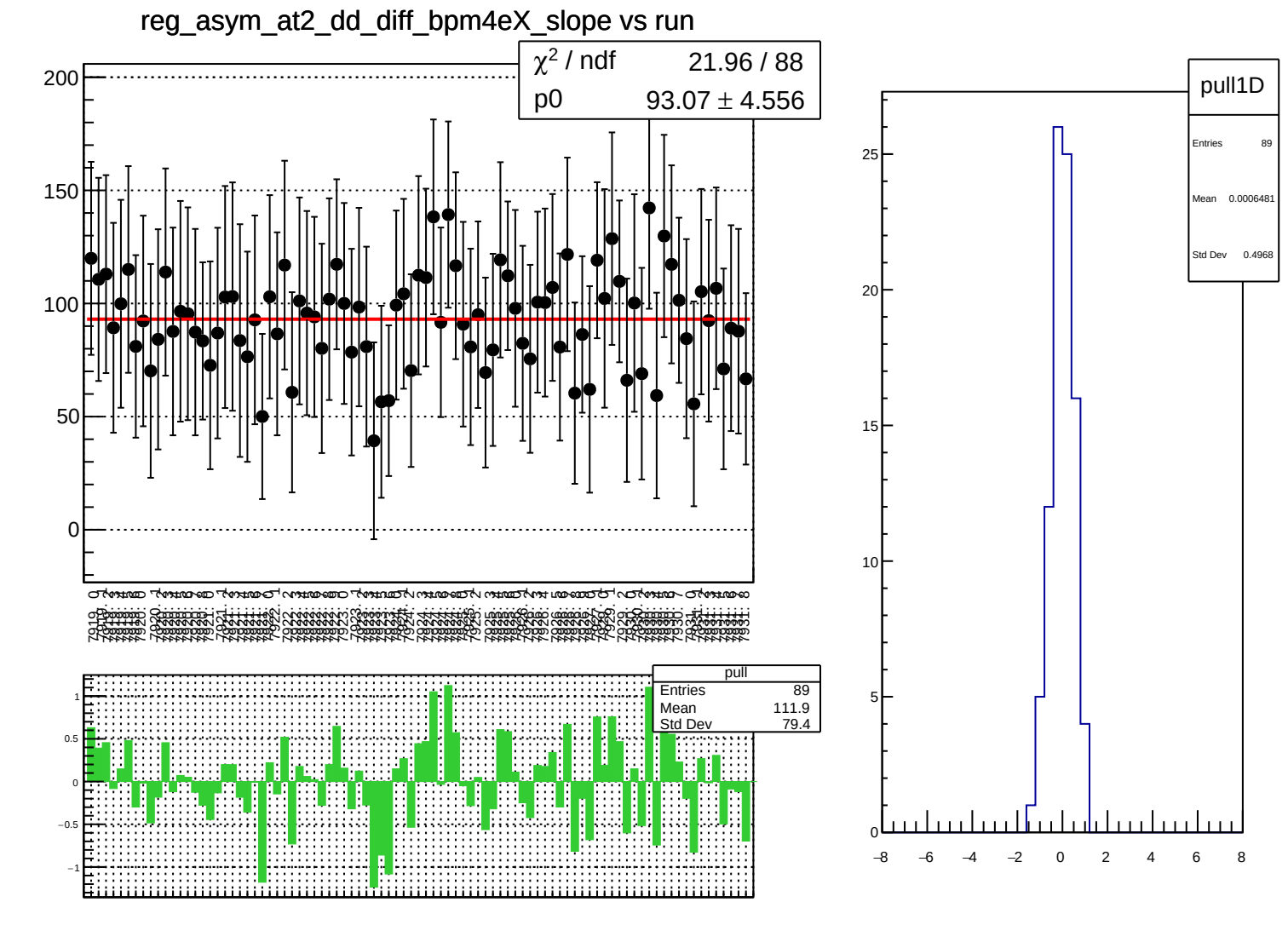

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3.956 / 88
p0 −272.5 ± 0.5763
−264
−266
−268
−270
−272
−274
−276
−278
−280
−282
pull
Entries 89
Mean −183.8
Std Dev 227
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean −0.002935
Std Dev 0.2108
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

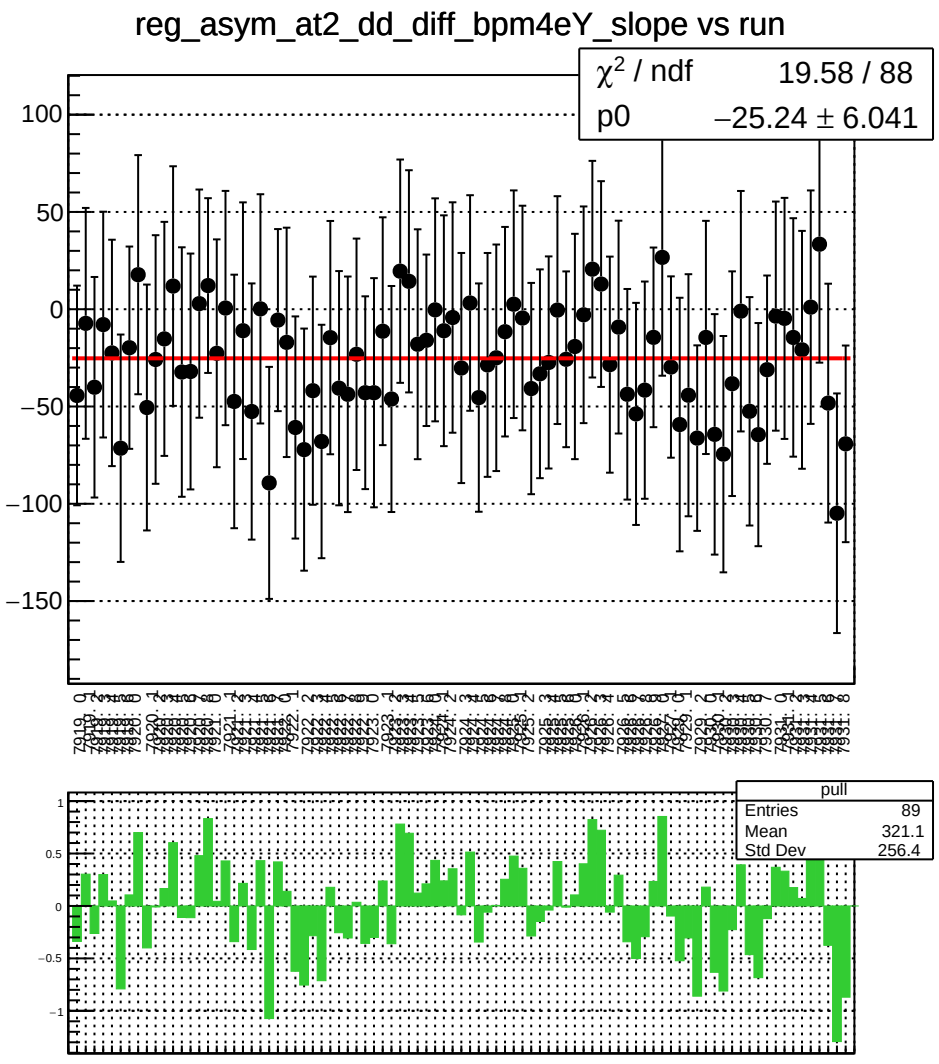

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.75 / 88
p0 −7.038 ± 5.095
100
50
0
−50
−100
pull
Entries 89
Mean 49.18
Std Dev 108.4
1
0.5
0
−0.5
−1

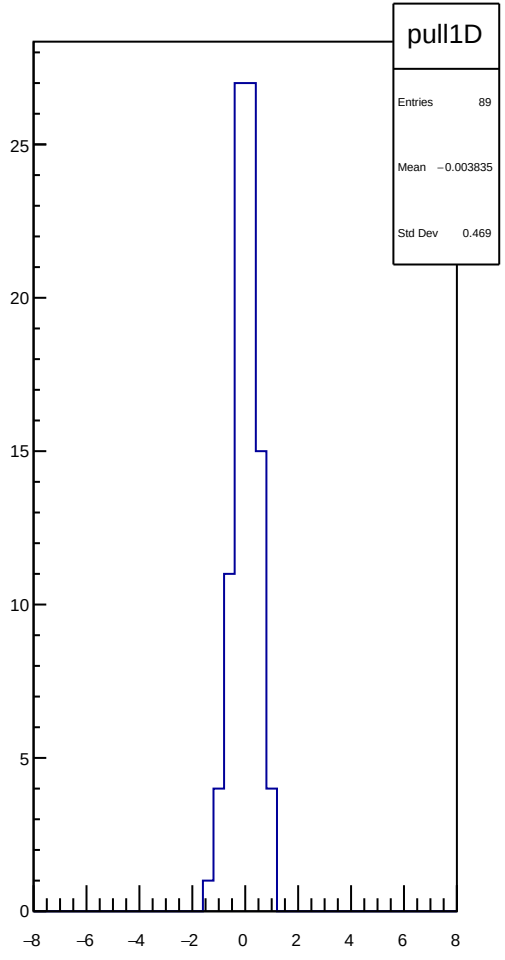

pull1D
Entries 89
Mean −0.0007186
Std Dev 0.4944
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

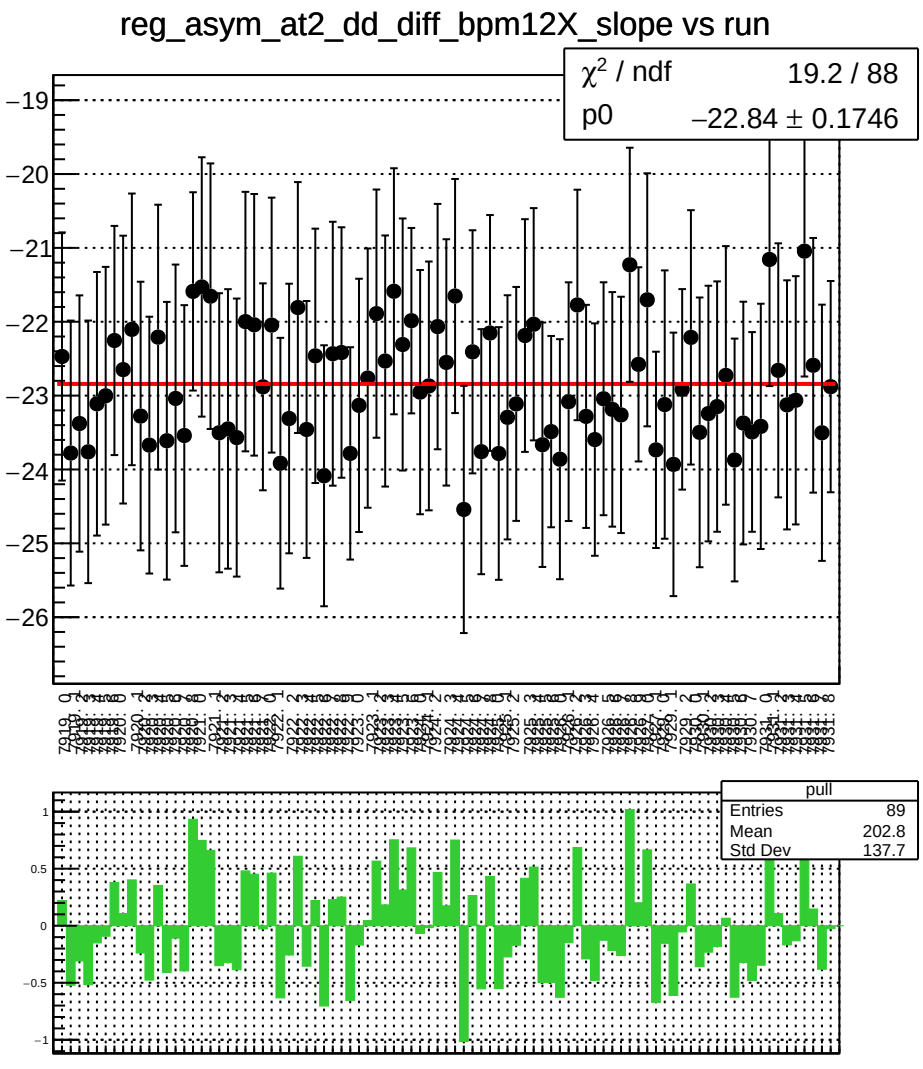

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.07 / 88
p0 19.93 ± 5.255
pull
Entries 89
Mean 461.4
Std Dev 405.1

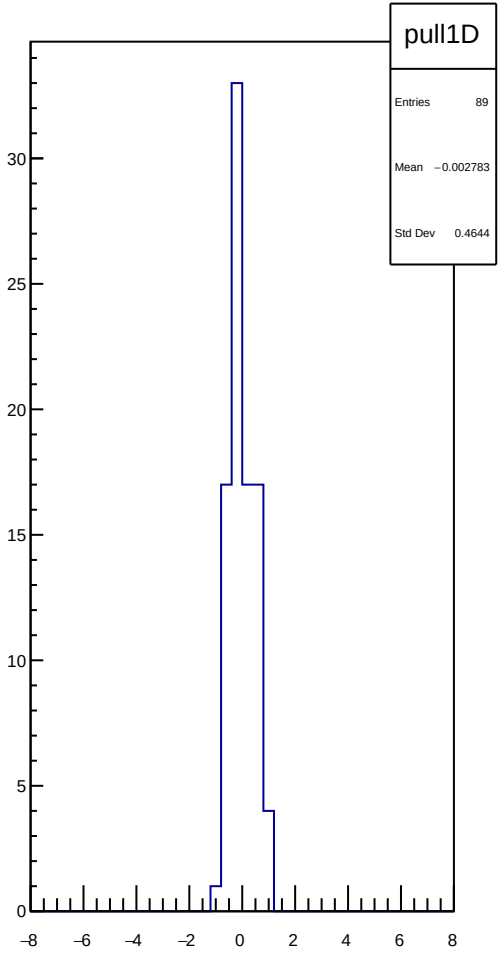

pull1D
Entries 89
Mean 0.003271
Std Dev 0.4506

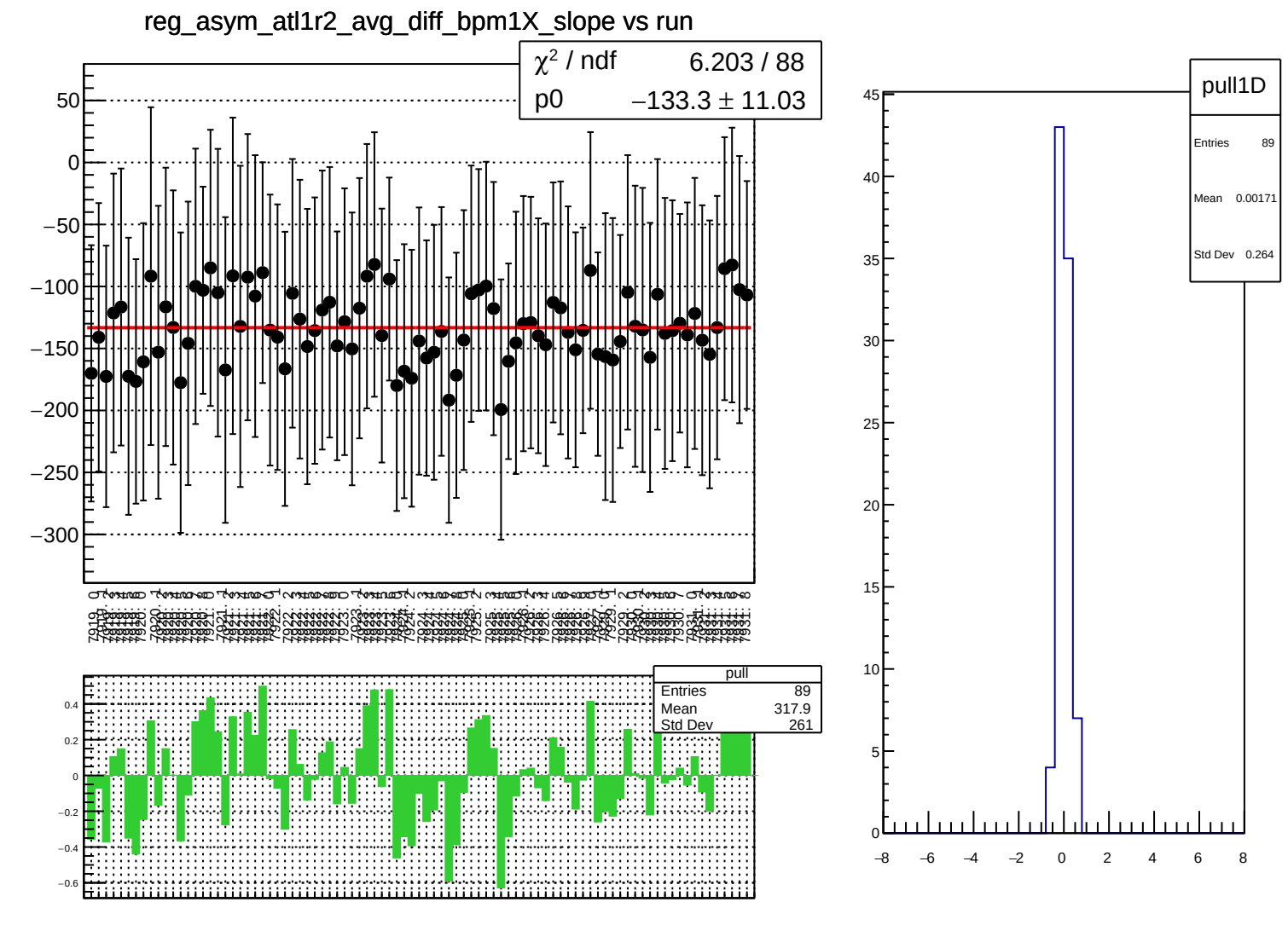

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.96 / 88
p0 93.07 ± 4.556
200
150
100
50
0
pull
Entries 89
Mean 111.9
Std Dev 79.4
1
0.5
0
−0.5
−1
pull1D
Entries 89
Mean 0.0006481
Std Dev 0.4968
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

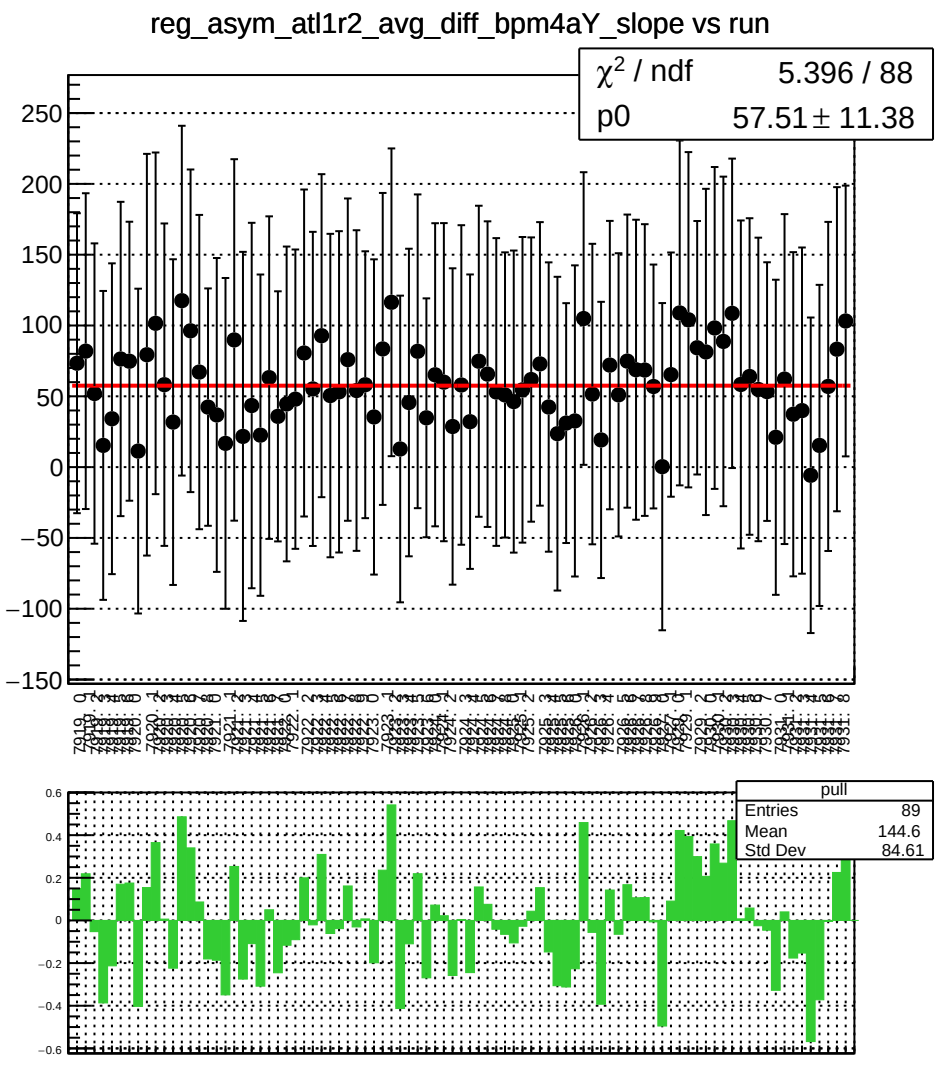

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.58 / 88
p0 −25.24 ± 6.041
100
50
0
−50
−100
−150
pull
Entries 89
Mean 321.1
Std Dev 256.4
1
0.5
0
−0.5
−1

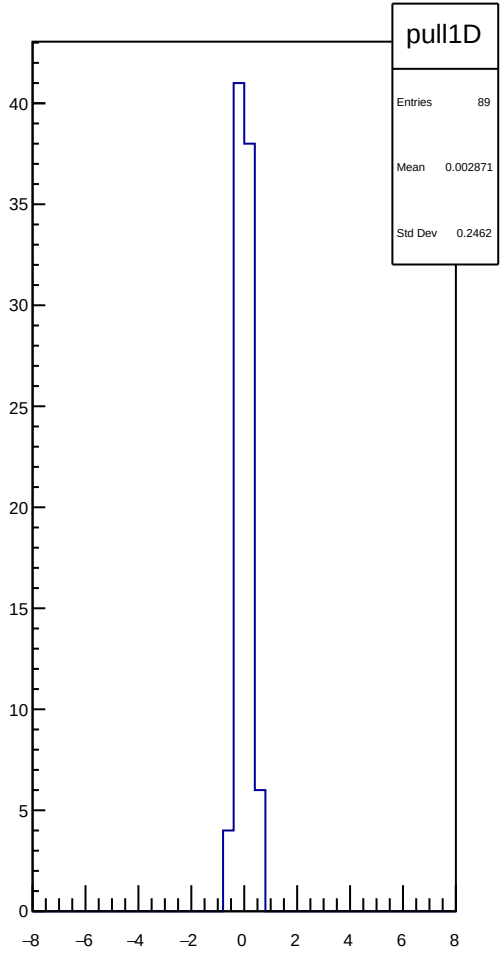

pull1D
Entries 89
Mean −0.003835
Std Dev 0.469
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

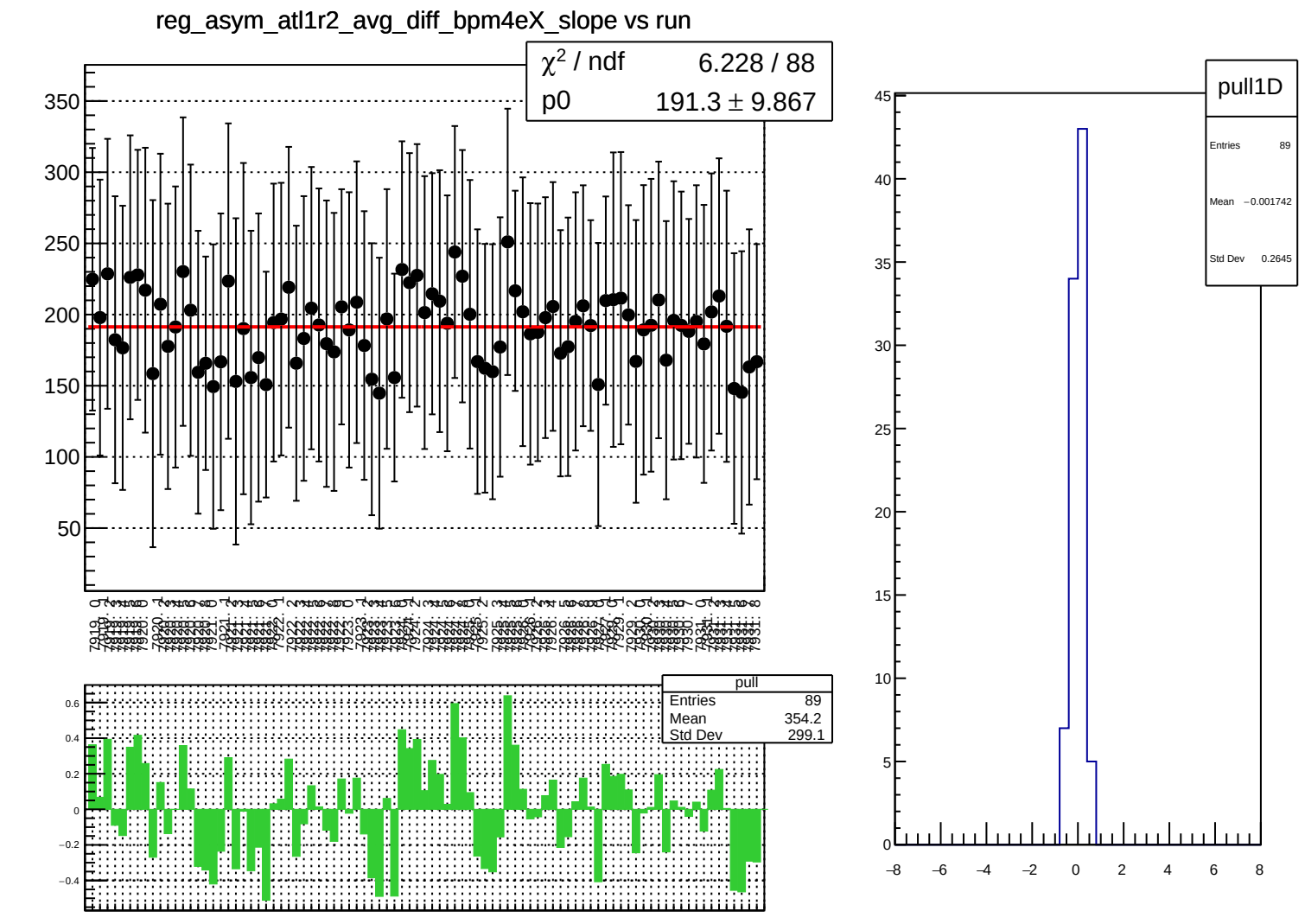

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.2 / 88
p0 −22.84 ± 0.1746
pull
Entries 89
Mean 202.8
Std Dev 137.7

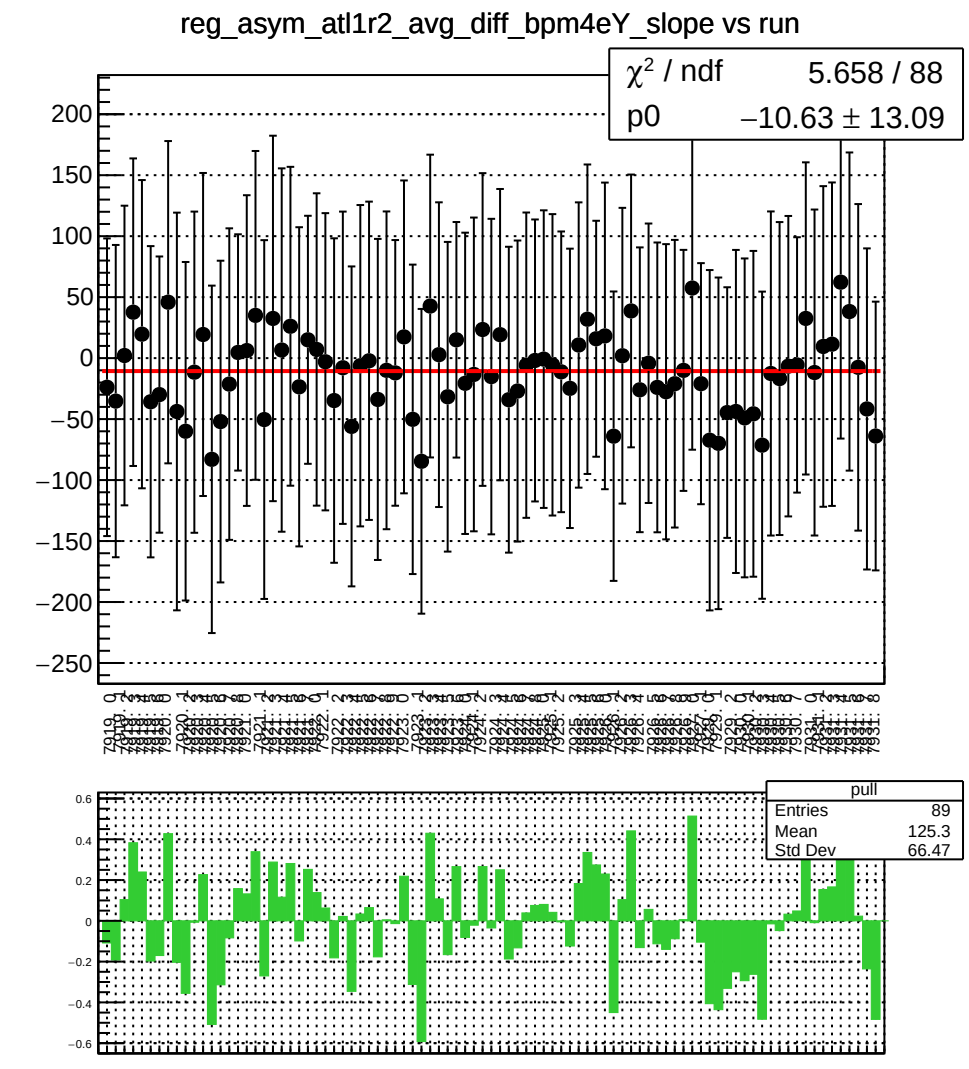

pull1D
Entries 89
Mean −0.002783
Std Dev 0.4644

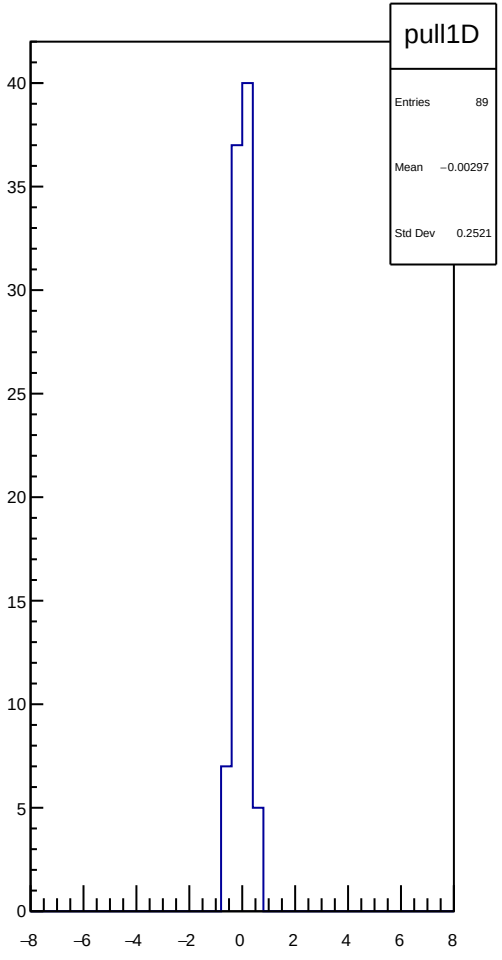

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.203 / 88
p0 −133.3 ± 11.03
pull
Entries 89
Mean 317.9
Std Dev 261
pull1D
Entries 89
Mean 0.00171
Std Dev 0.264

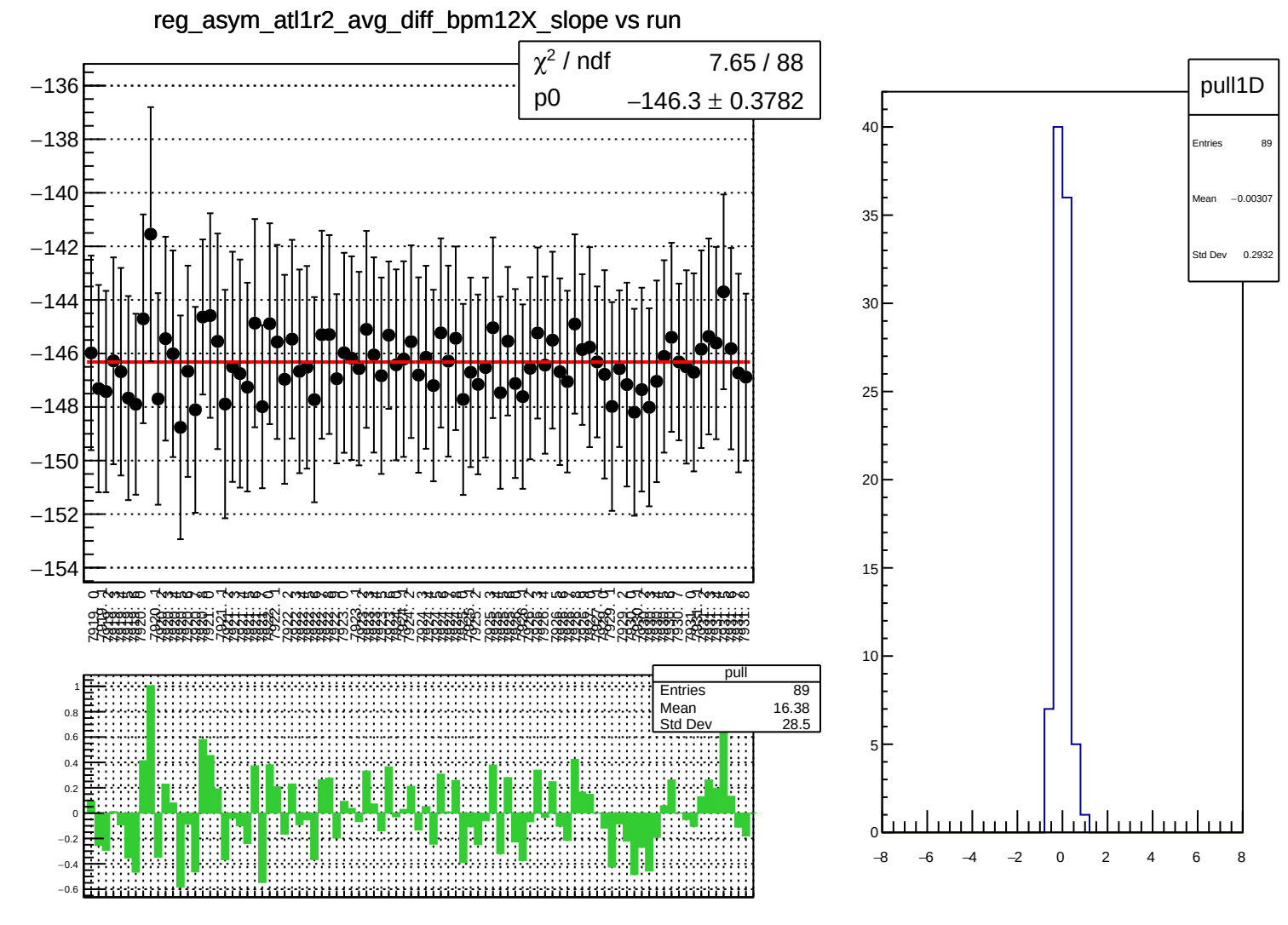

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.396 / 88
p0 57.51 ± 11.38
pull
Entries 89
Mean 144.6
Std Dev 84.61

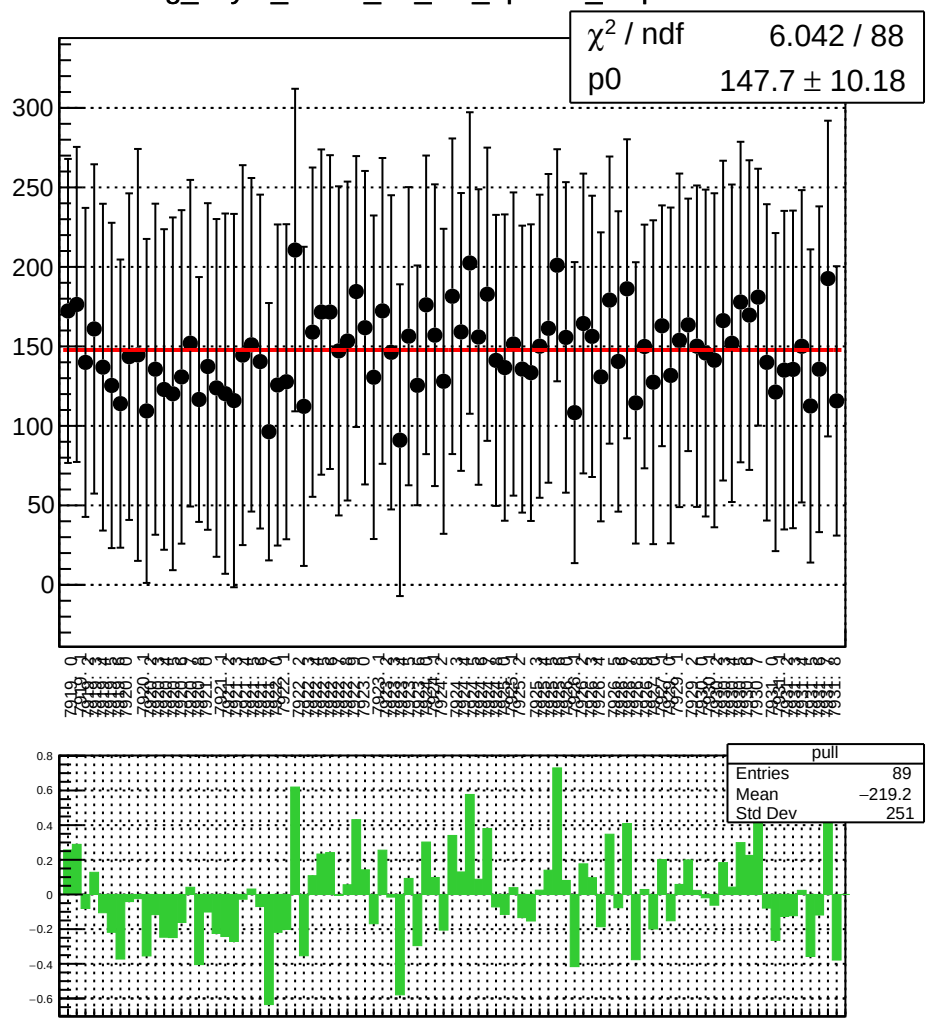

pull1D
Entries 89
Mean 0.002871
Std Dev 0.2462

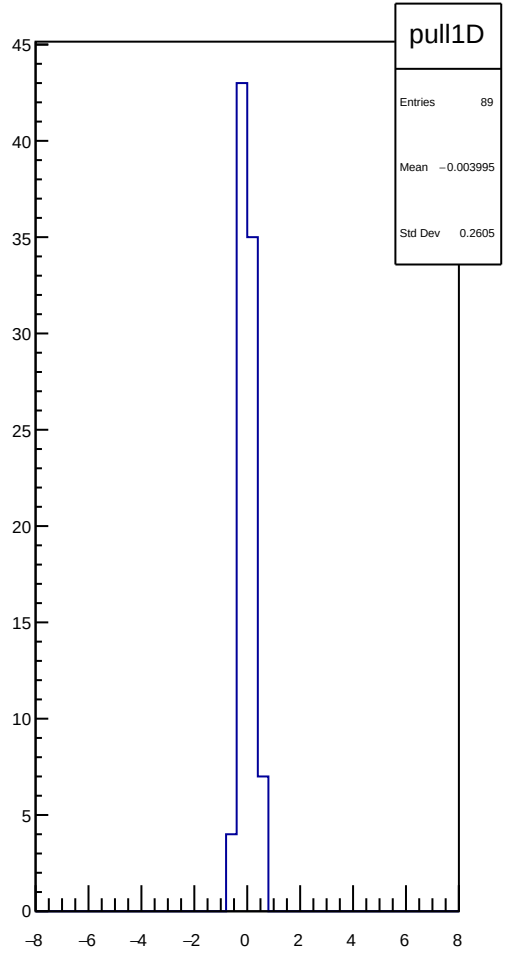

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.228 / 88
p0 191.3 ± 9.867
pull
Entries 89
Mean 354.2
Std Dev 299.1
pull1D
Entries 89
Mean −0.001742
Std Dev 0.2645

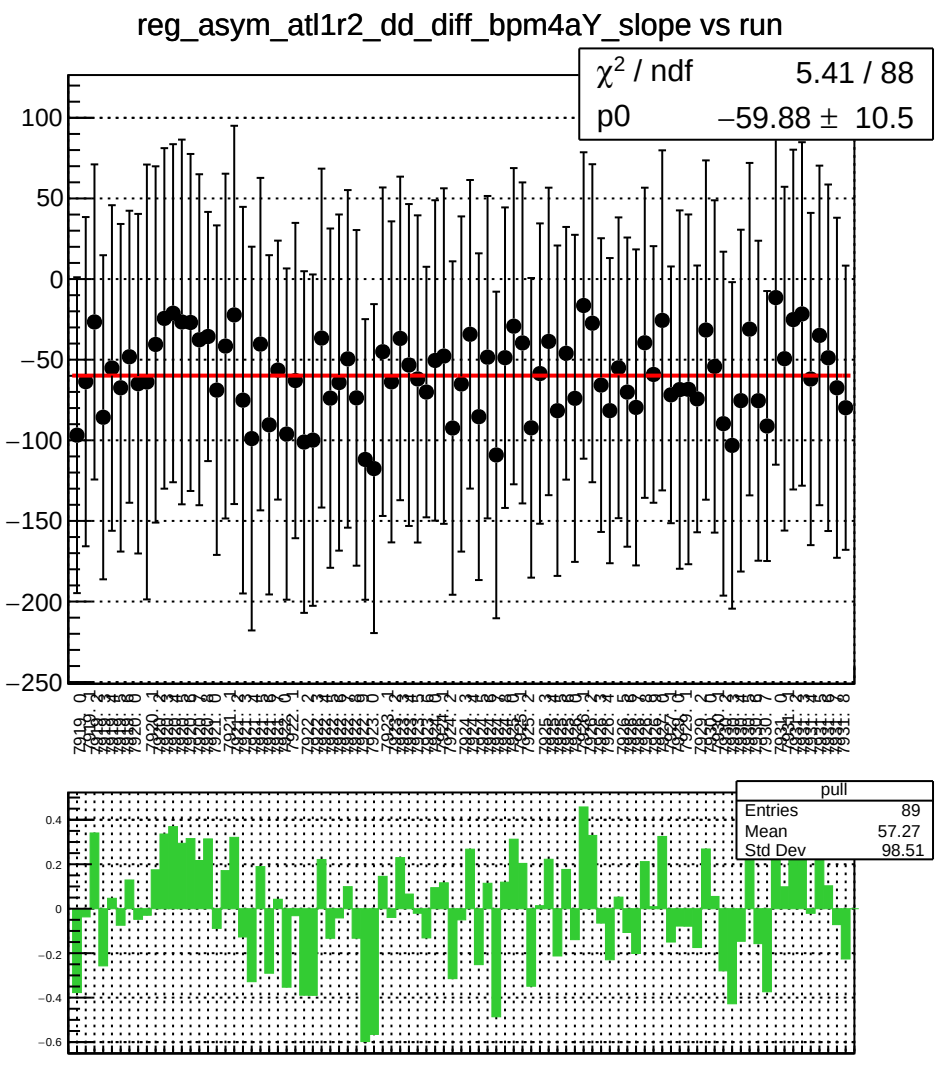

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.658 / 88
p0 −10.63 ± 13.09
pull
Entries 89
Mean 125.3
Std Dev 66.47

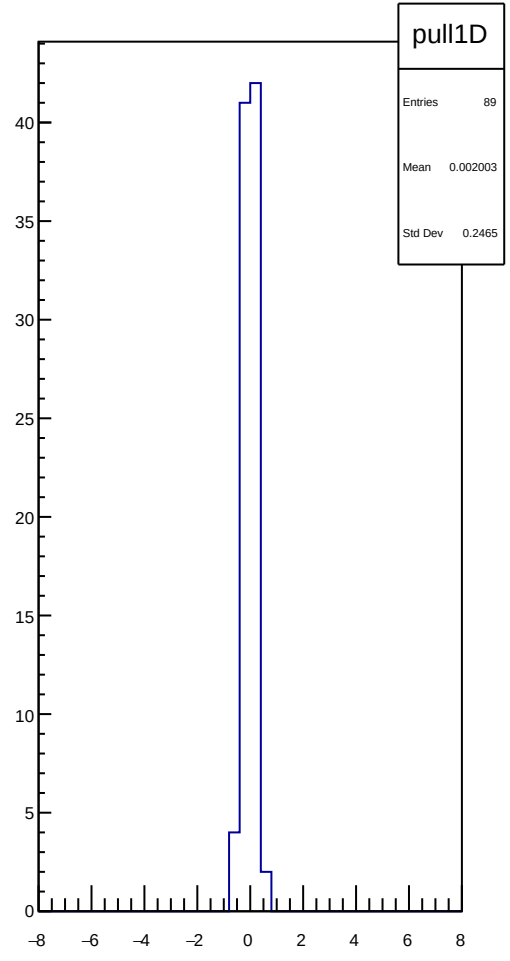

pull1D
Entries 89
Mean −0.00297
Std Dev 0.2521

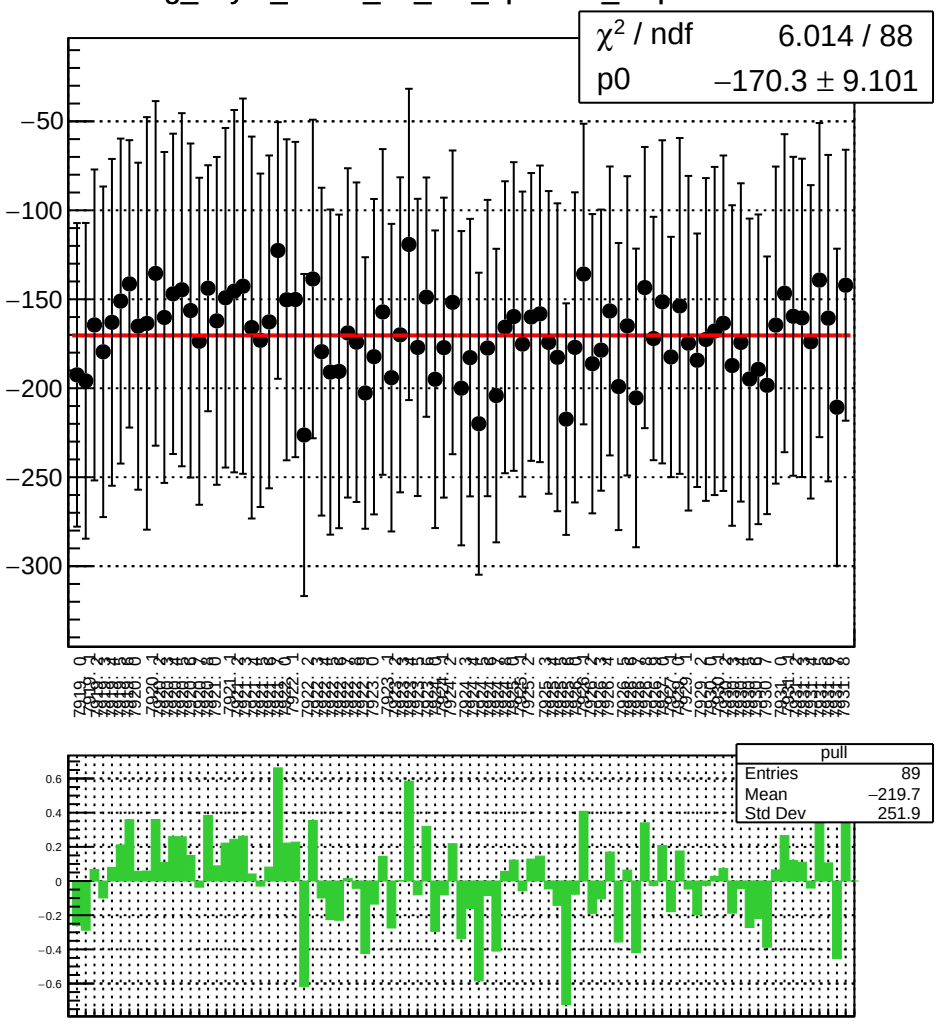

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 7.65 / 88
p0 −146.3 ± 0.3782
pull
Entries 89
Mean 16.38
Std Dev 28.5
pull1D
Entries 89
Mean −0.00307
Std Dev 0.2932

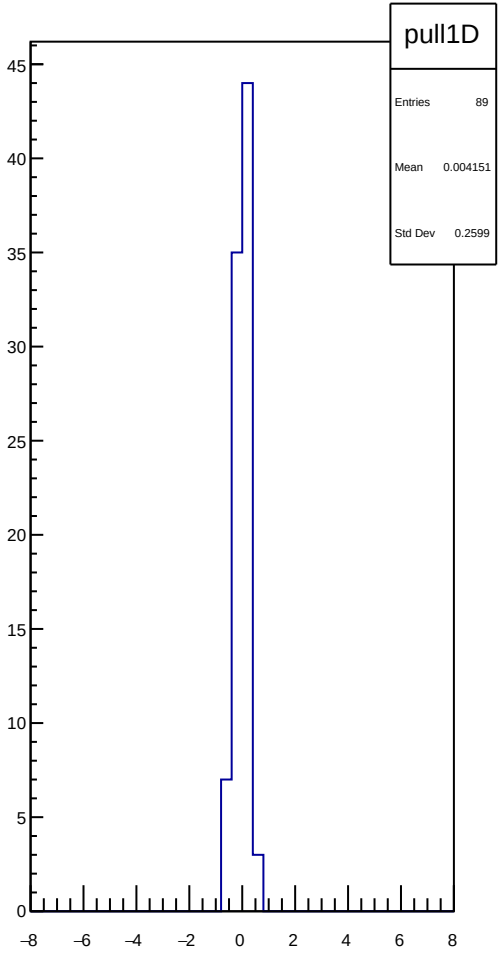

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 6.042 / 88
p0 147.7 ± 10.18
pull
Entries 89
Mean −219.2
Std Dev 251

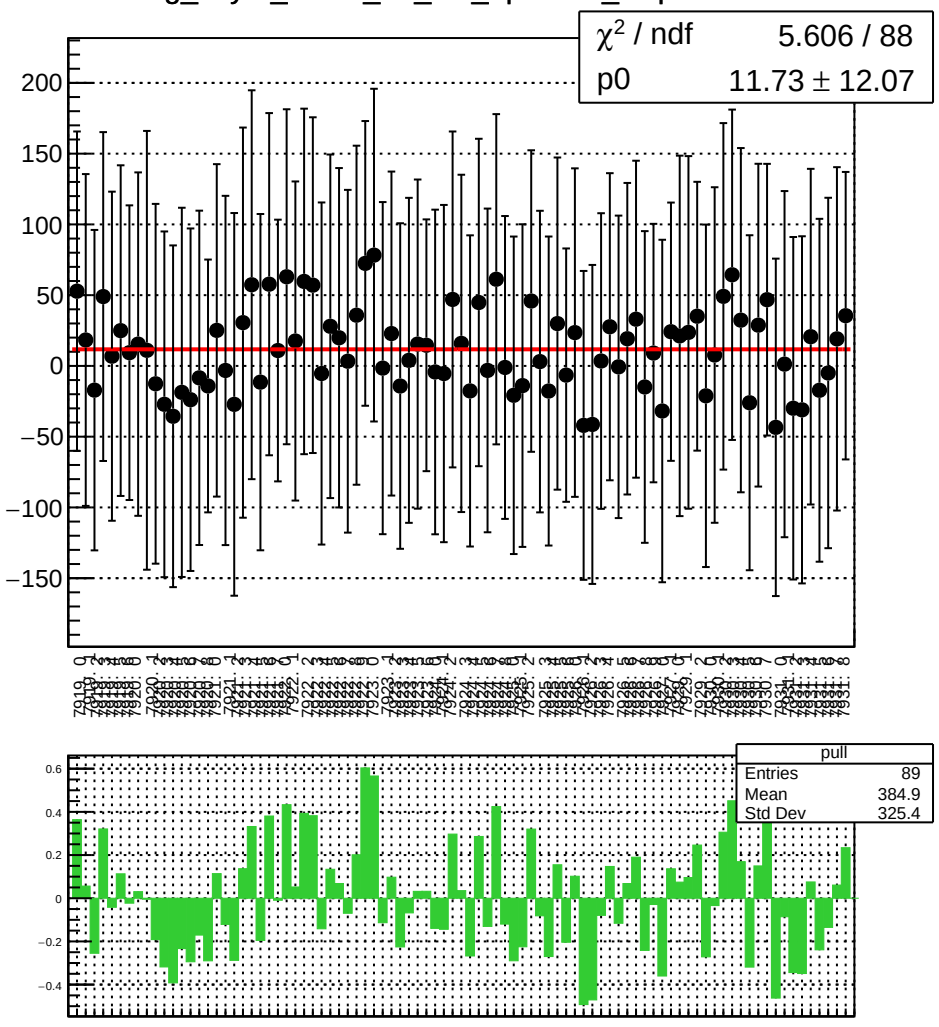

pull1D
Entries 89
Mean −0.003995
Std Dev 0.2605

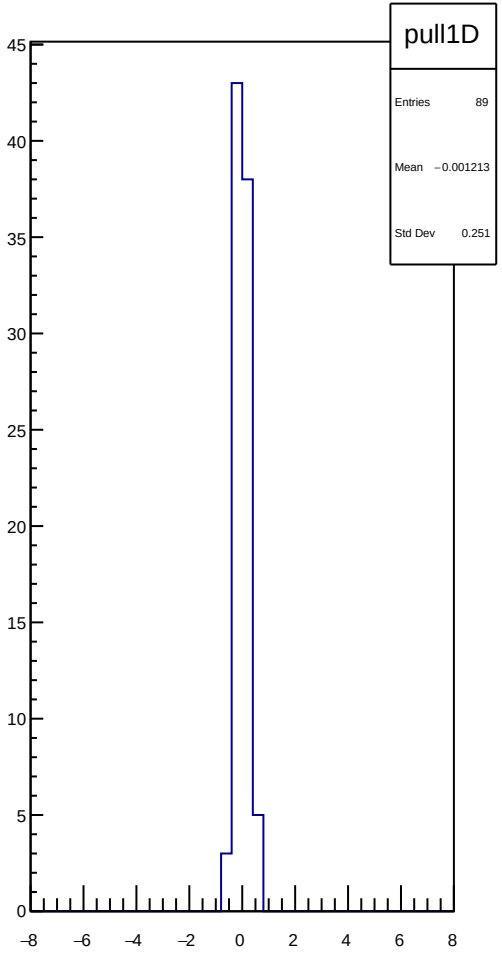

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.41 / 88
p0 −59.88 ± 10.5
pull
Entries 89
Mean 57.27
Std Dev 98.51

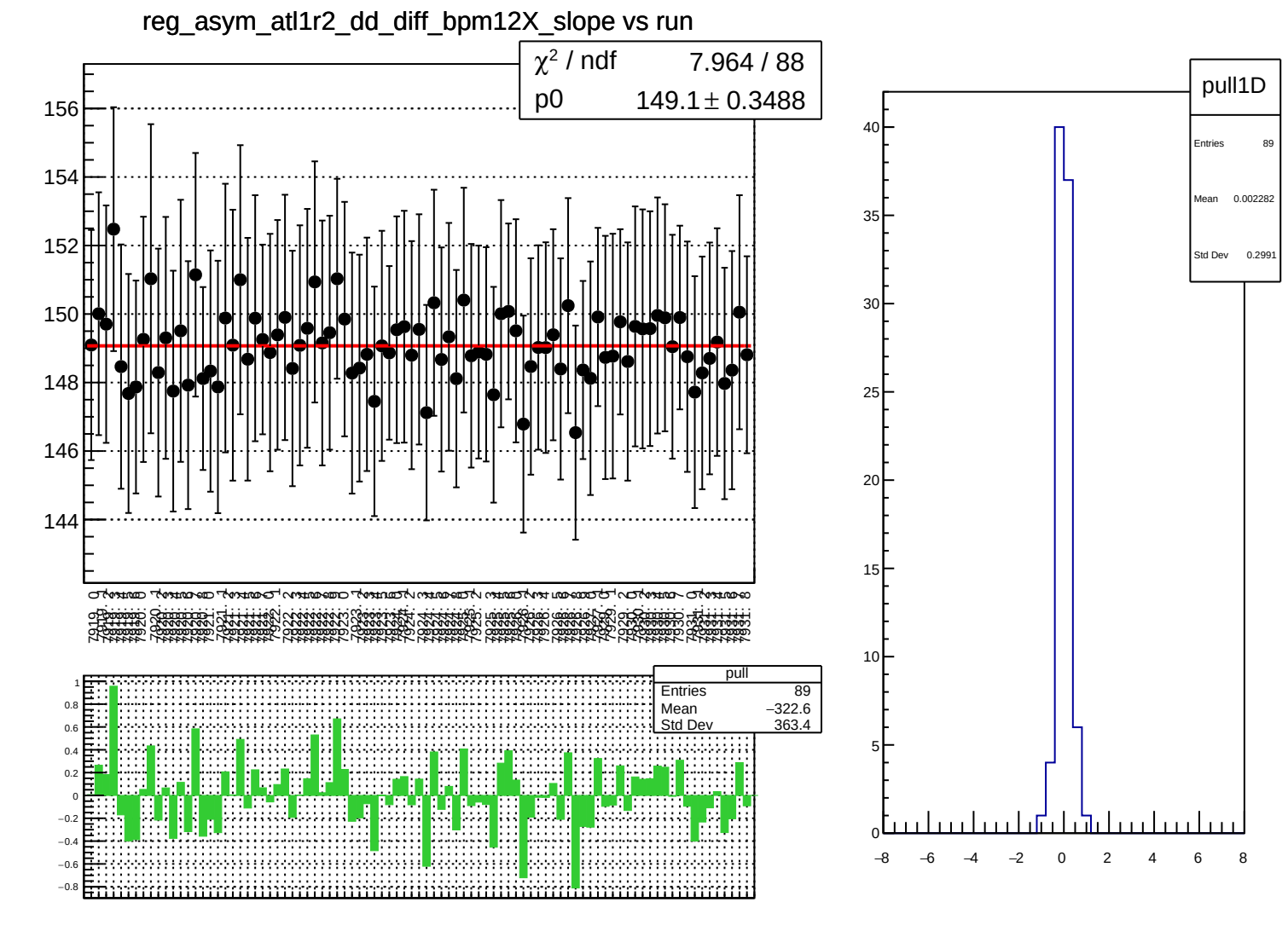

pull1D
Entries 89
Mean 0.002003
Std Dev 0.2465

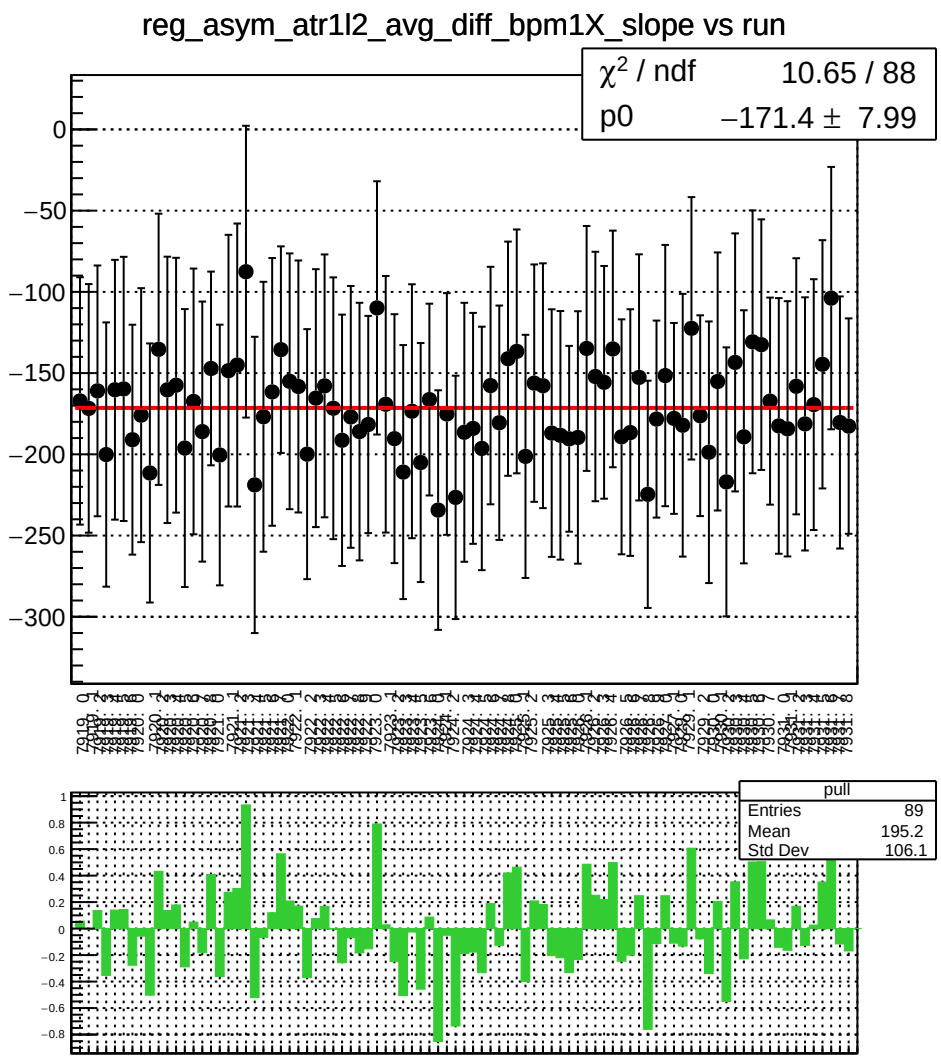

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.014 / 88
p0 −170.3 ± 9.101
pull
Entries 89
Mean −219.7
Std Dev 251.9

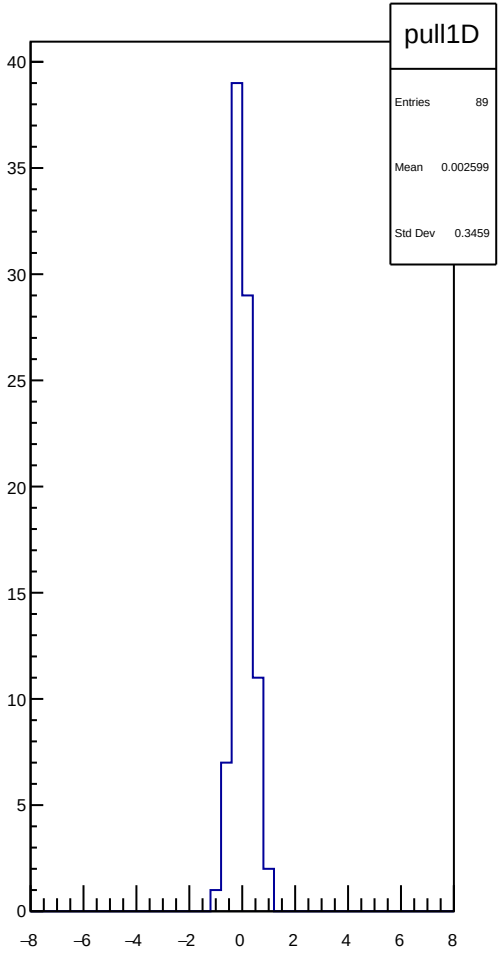

pull1D
Entries 89
Mean 0.004151
Std Dev 0.2599

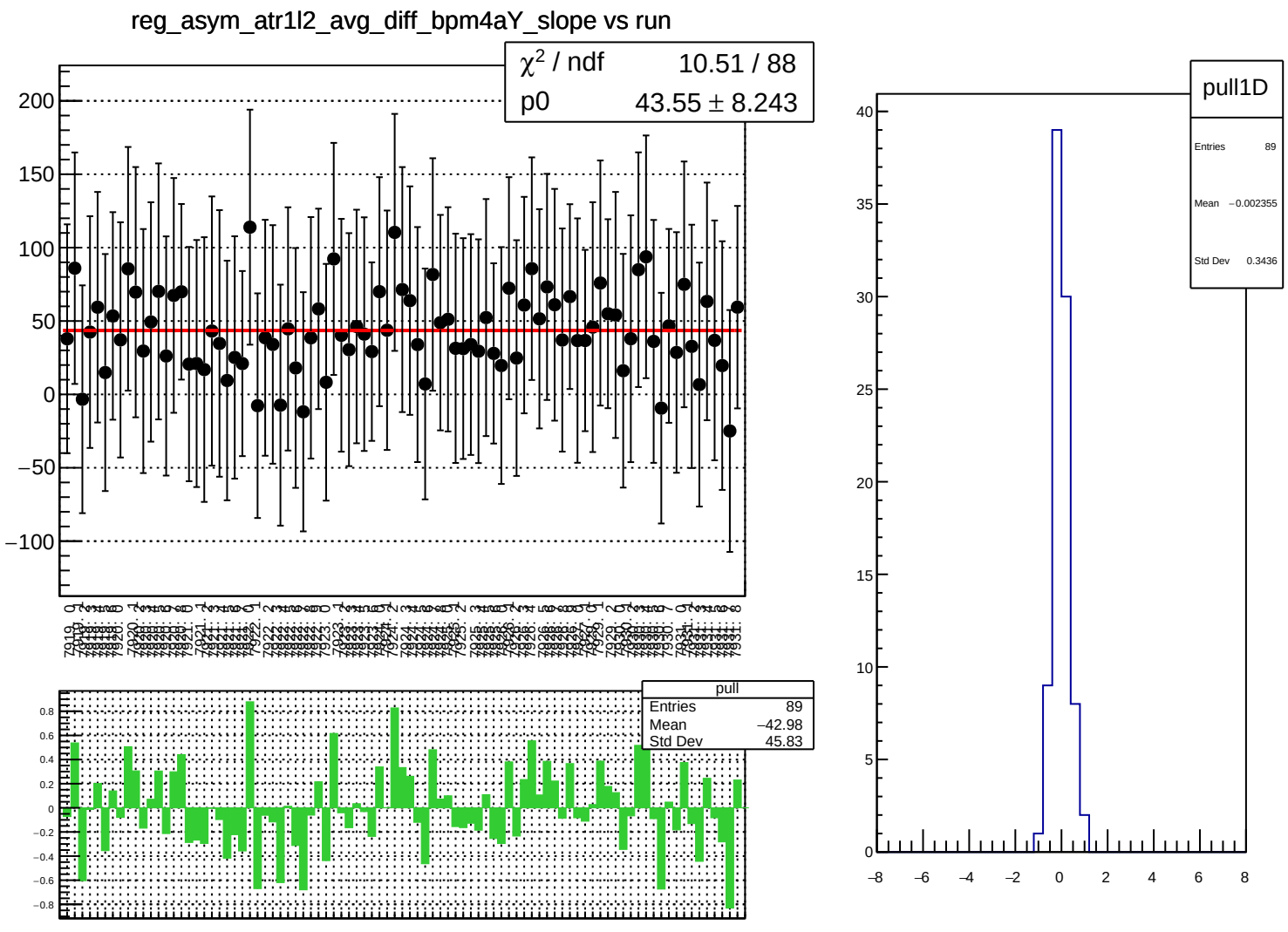

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.606 / 88
p0 11.73 ± 12.07
pull
Entries 89
Mean 384.9
Std Dev 325.4

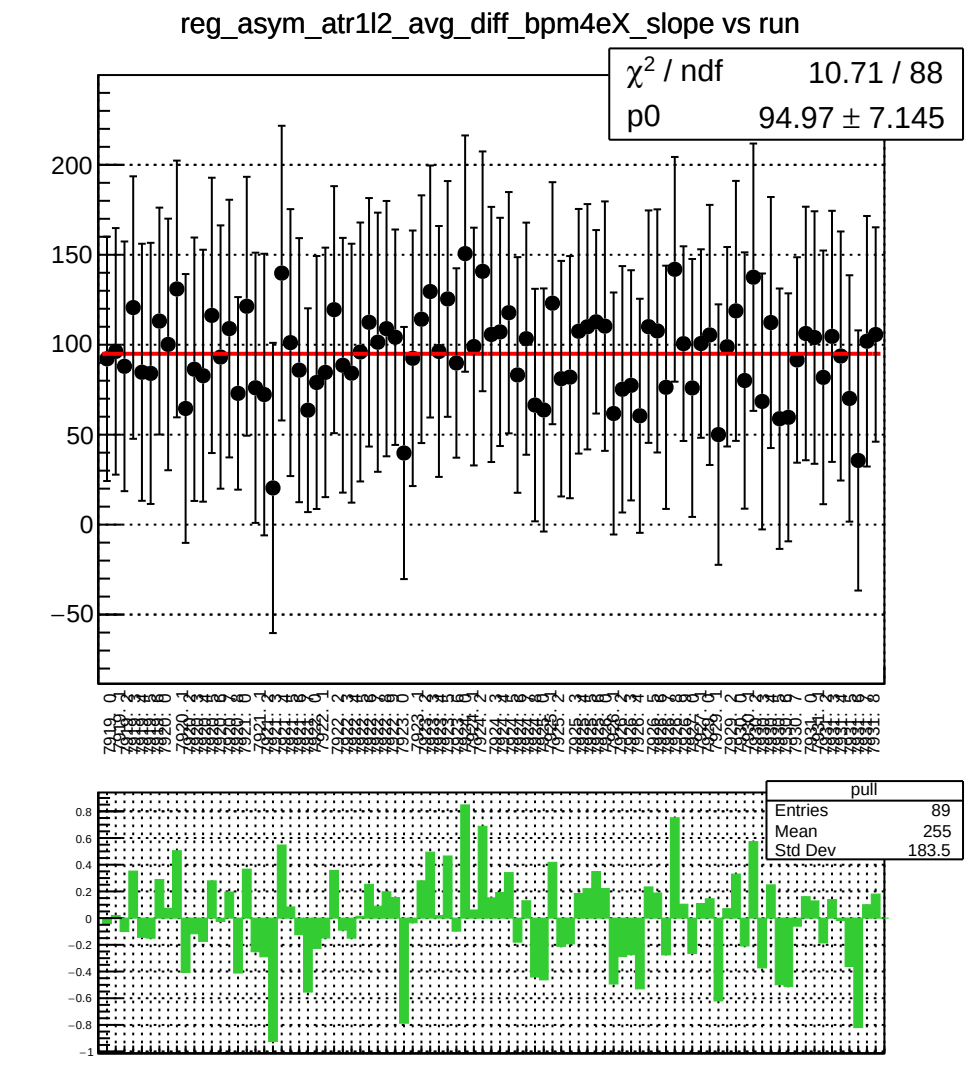

pull1D
Entries 89
Mean −0.001213
Std Dev 0.251

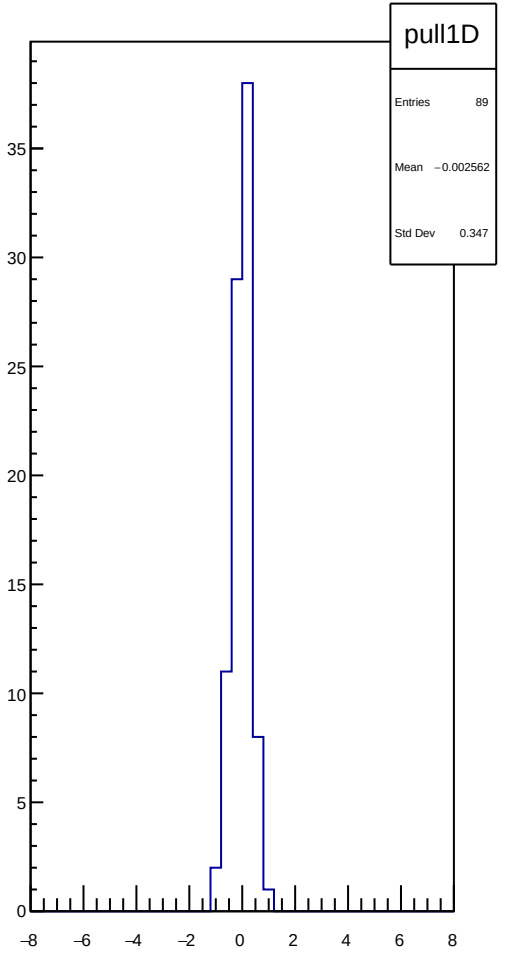

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 7.964 / 88
p0 149.1 ± 0.3488
pull
Entries 89
Mean −322.6
Std Dev 363.4
pull1D
Entries 89
Mean 0.002282
Std Dev 0.2991

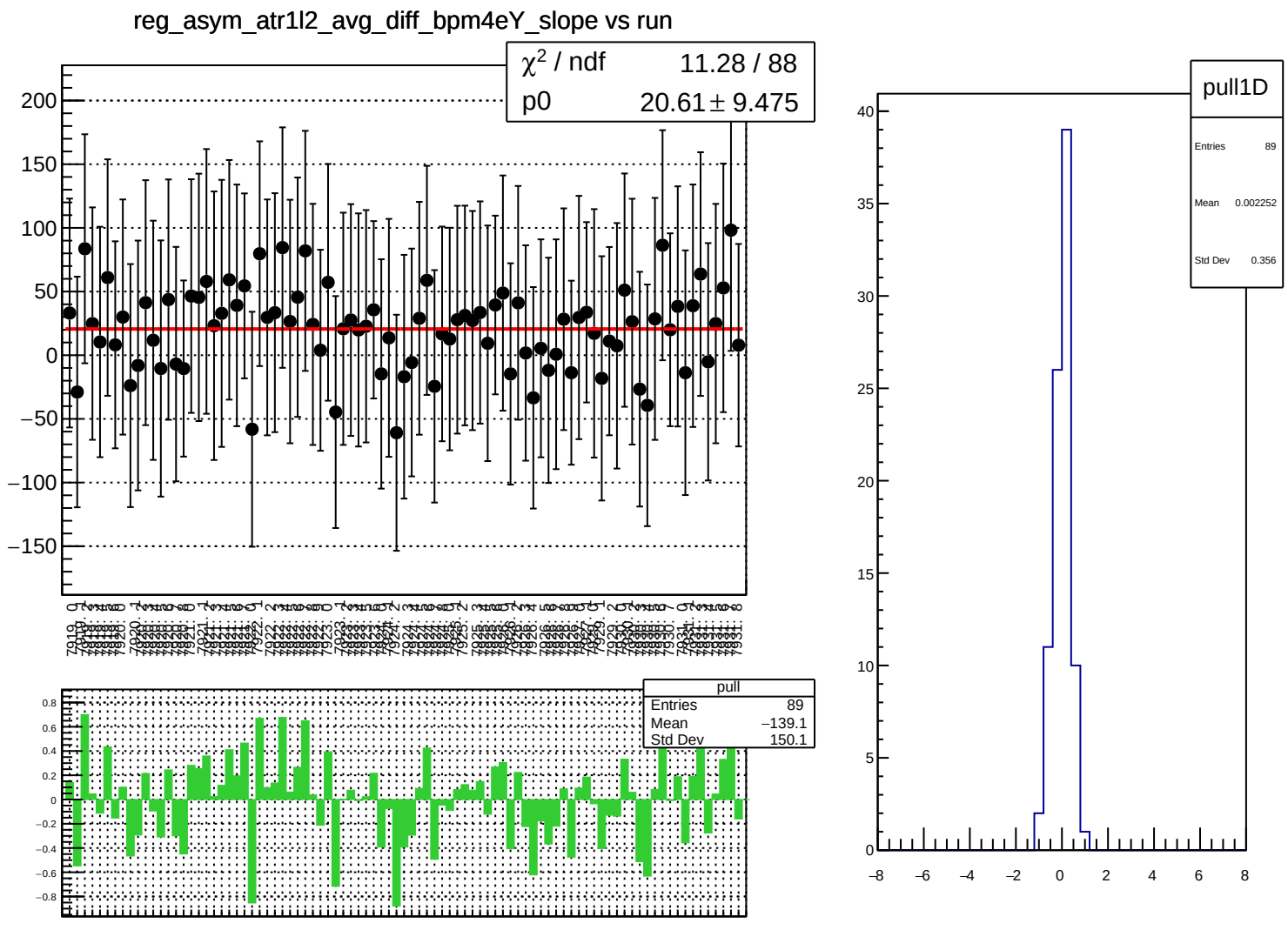

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 10.65 / 88
p0 −171.4 ± 7.99
pull
Entries 89
Mean 195.2
Std Dev 106.1

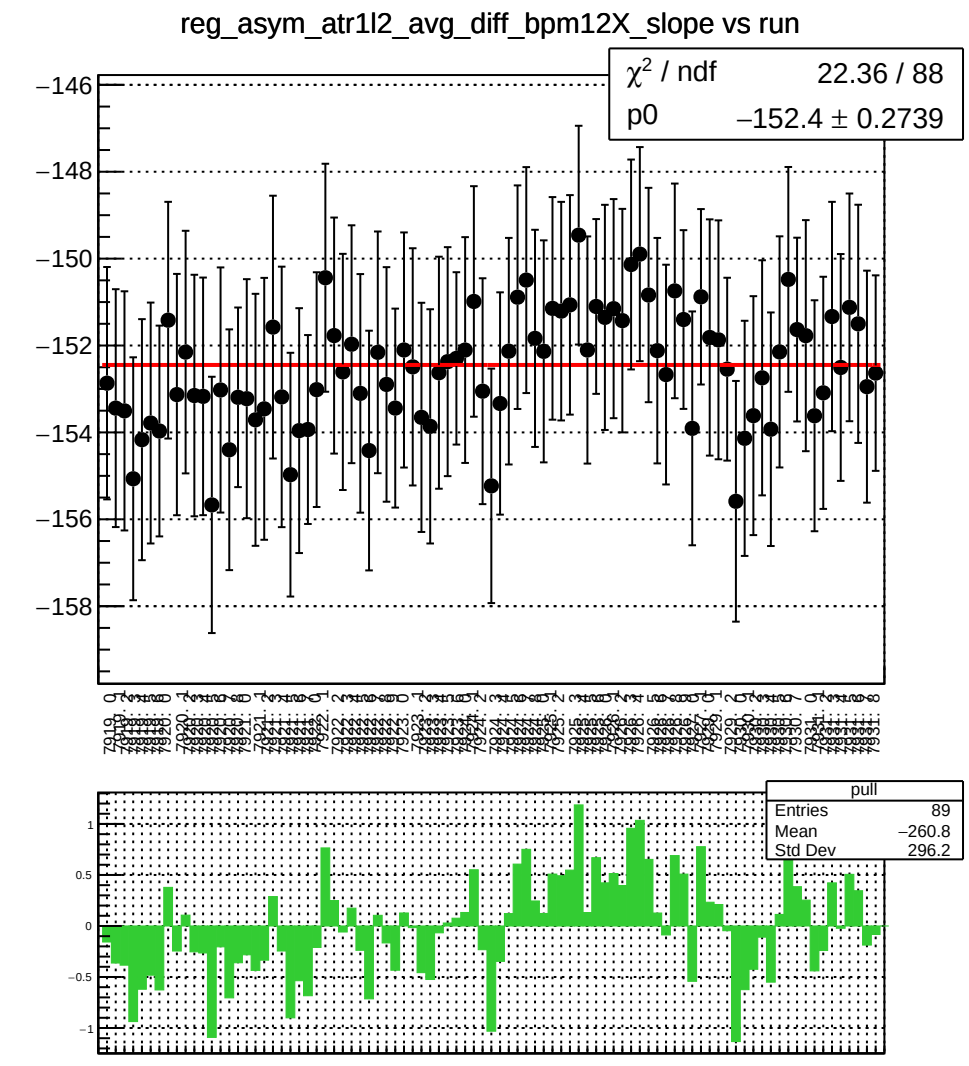

pull1D
Entries 89
Mean 0.002599
Std Dev 0.3459

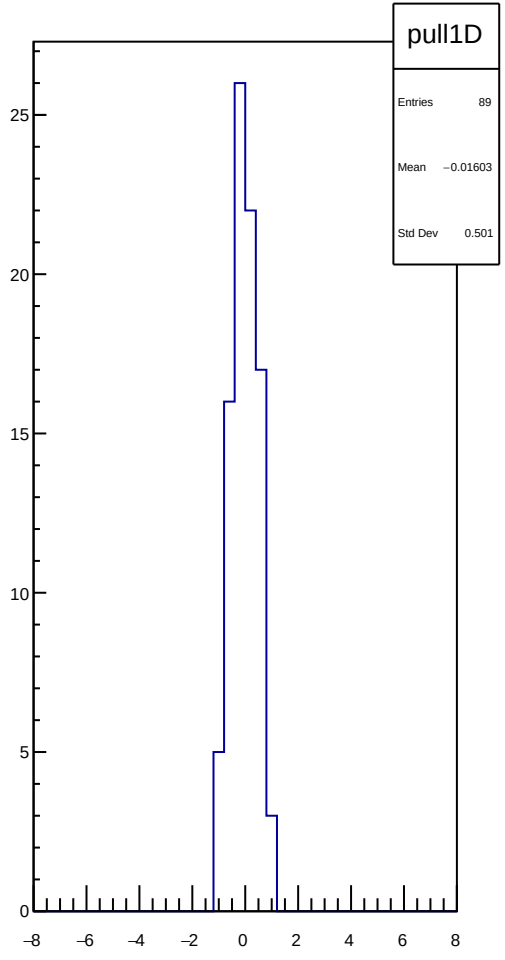

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.51 / 88
p0 43.55 ± 8.243
pull
Entries 89
Mean −42.98
Std Dev 45.83
pull1D
Entries 89
Mean −0.002355
Std Dev 0.3436

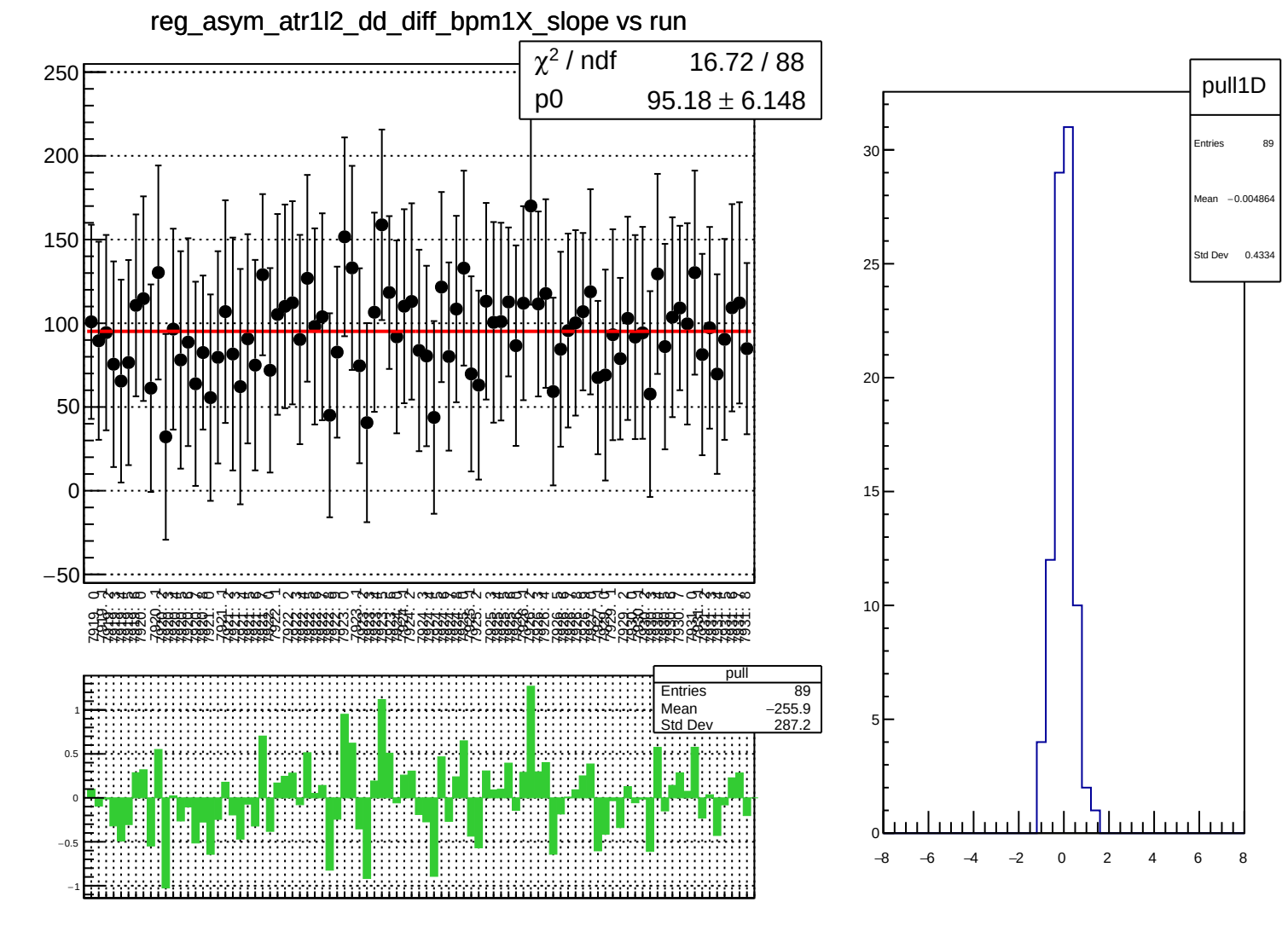

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.71 / 88
p0 94.97 ± 7.145
pull
Entries 89
Mean 255
Std Dev 183.5

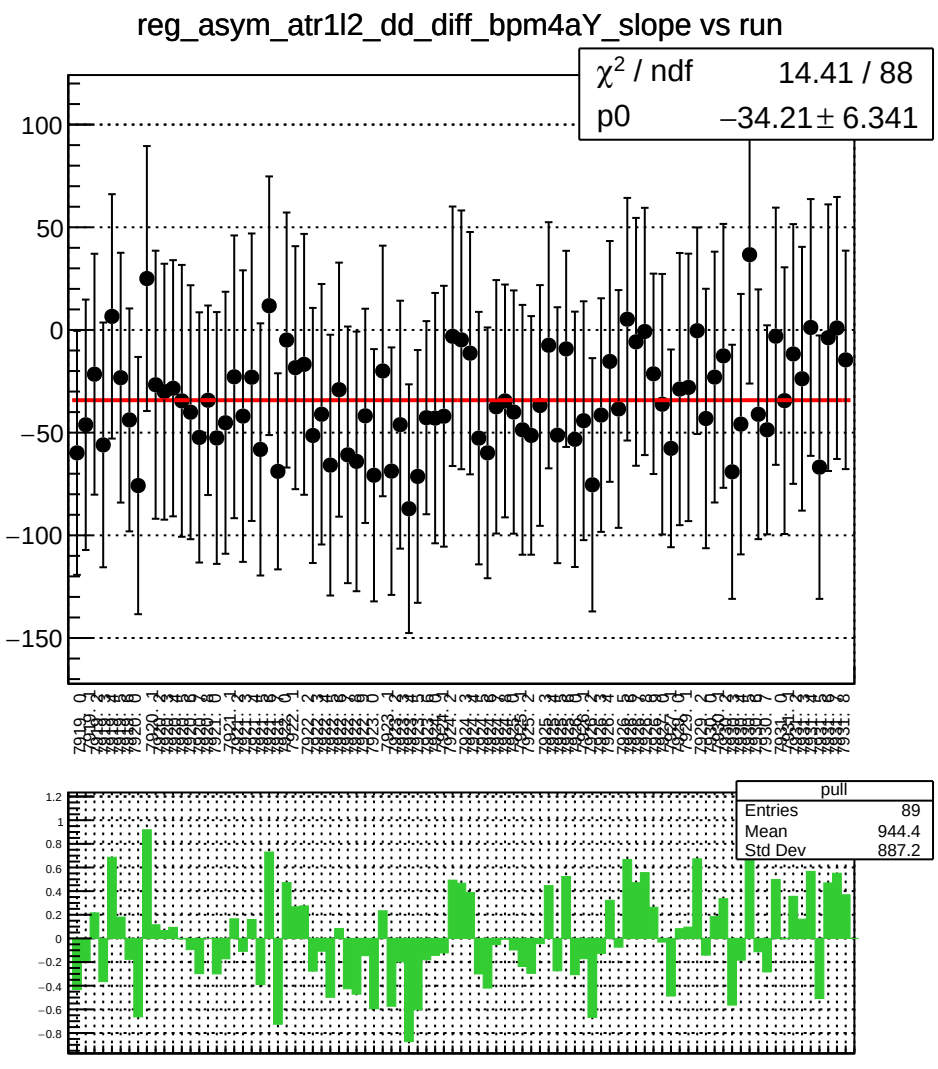

pull1D
Entries 89
Mean −0.002562
Std Dev 0.347

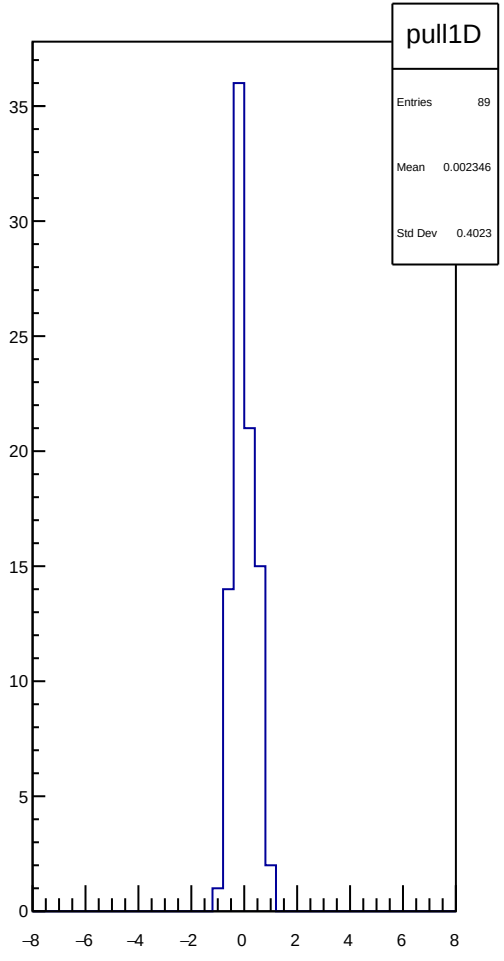

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.28 / 88
p0 20.61 ± 9.475
pull
Entries 89
Mean −139.1
Std Dev 150.1
pull1D
Entries 89
Mean 0.002252
Std Dev 0.356

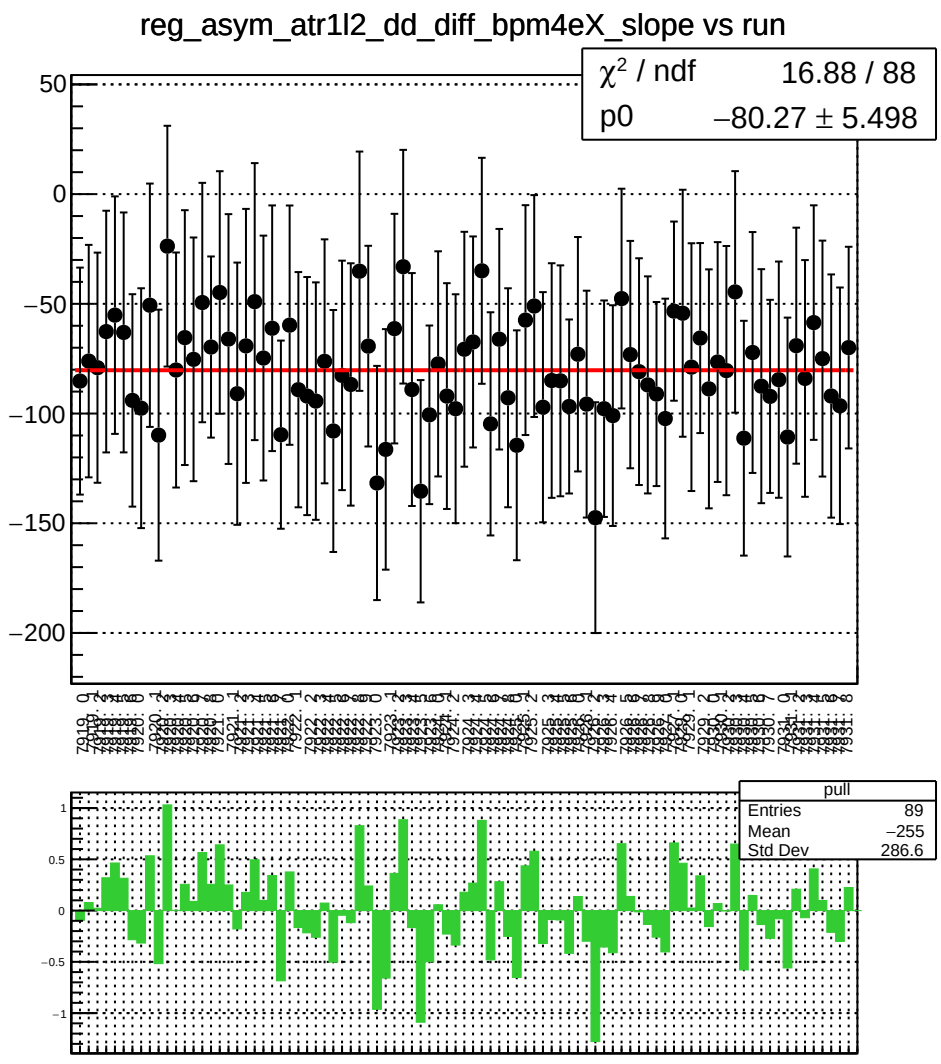

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 22.36 / 88
p0 −152.4 ± 0.2739
−146
−148
−150
−152
−154
−156
−158
pull
Entries 89
Mean −260.8
Std Dev 296.2
1
0.5
0
−0.5
−1

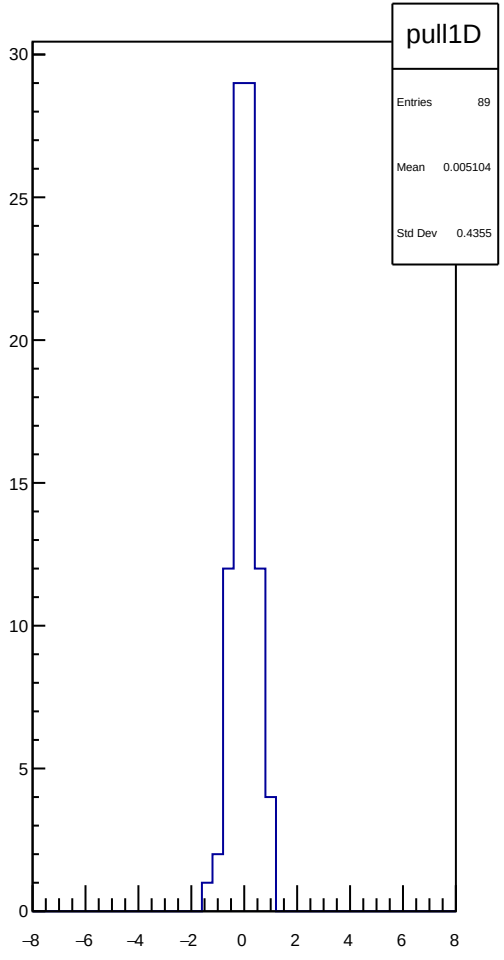

pull1D
Entries 89
Mean −0.01603
Std Dev 0.501
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

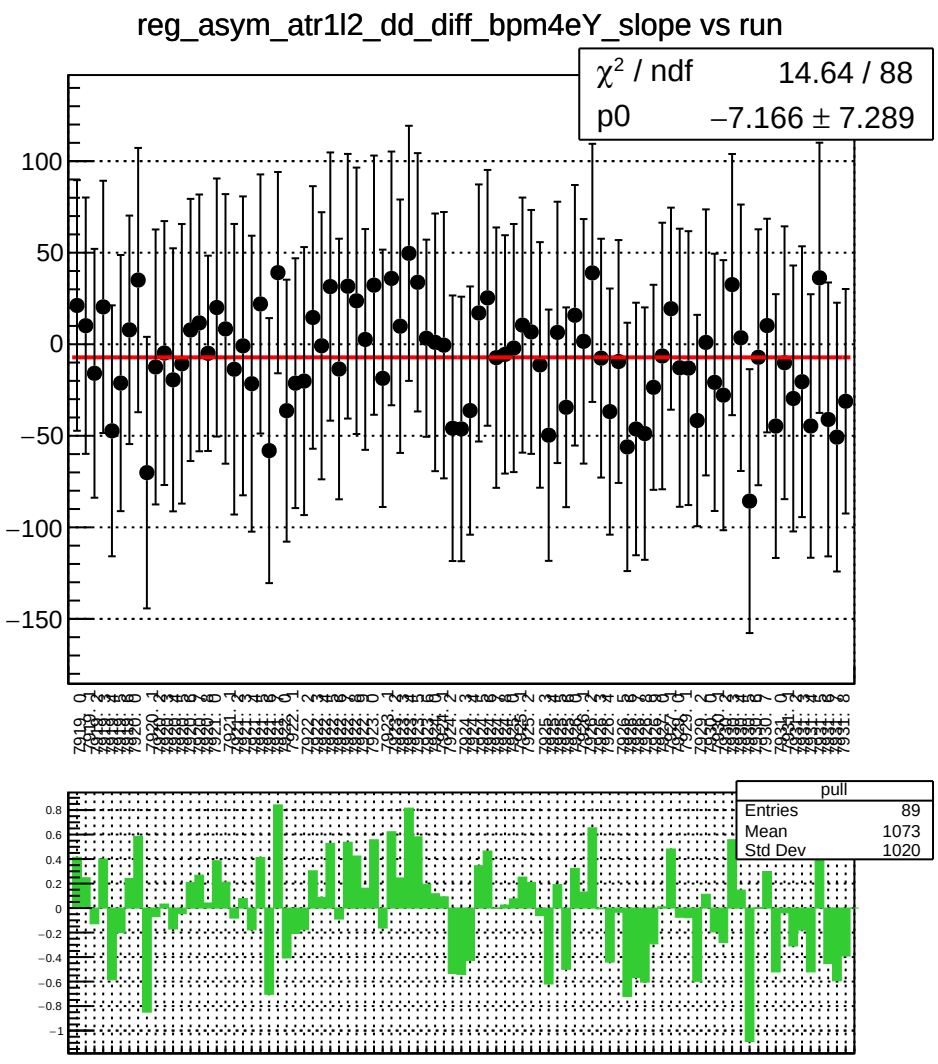

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 16.72 / 88
p0 95.18 ± 6.148
pull
Entries 89
Mean −255.9
Std Dev 287.2
pull1D
Entries 89
Mean −0.004864
Std Dev 0.4334

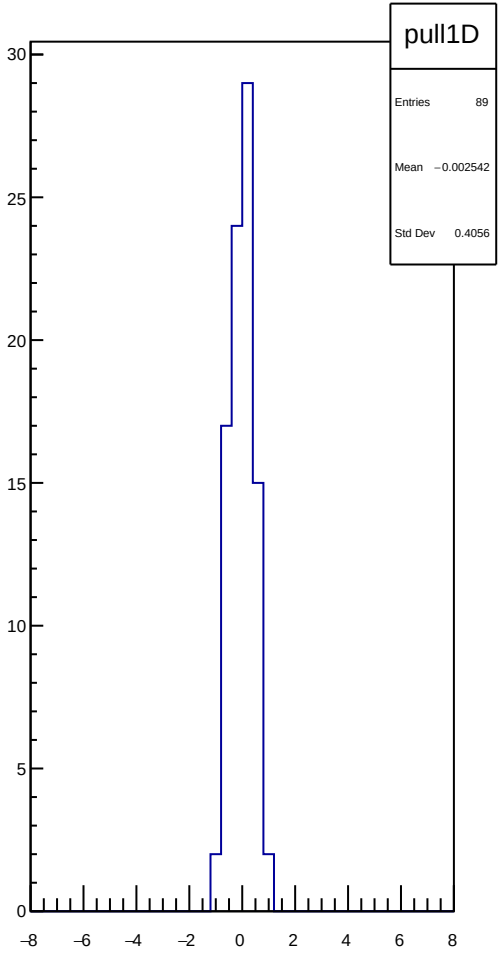

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.41 / 88
p0 −34.21 ± 6.341
100
50
0
−50
−100
−150
pull
Entries 89
Mean 944.4
Std Dev 887.2
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

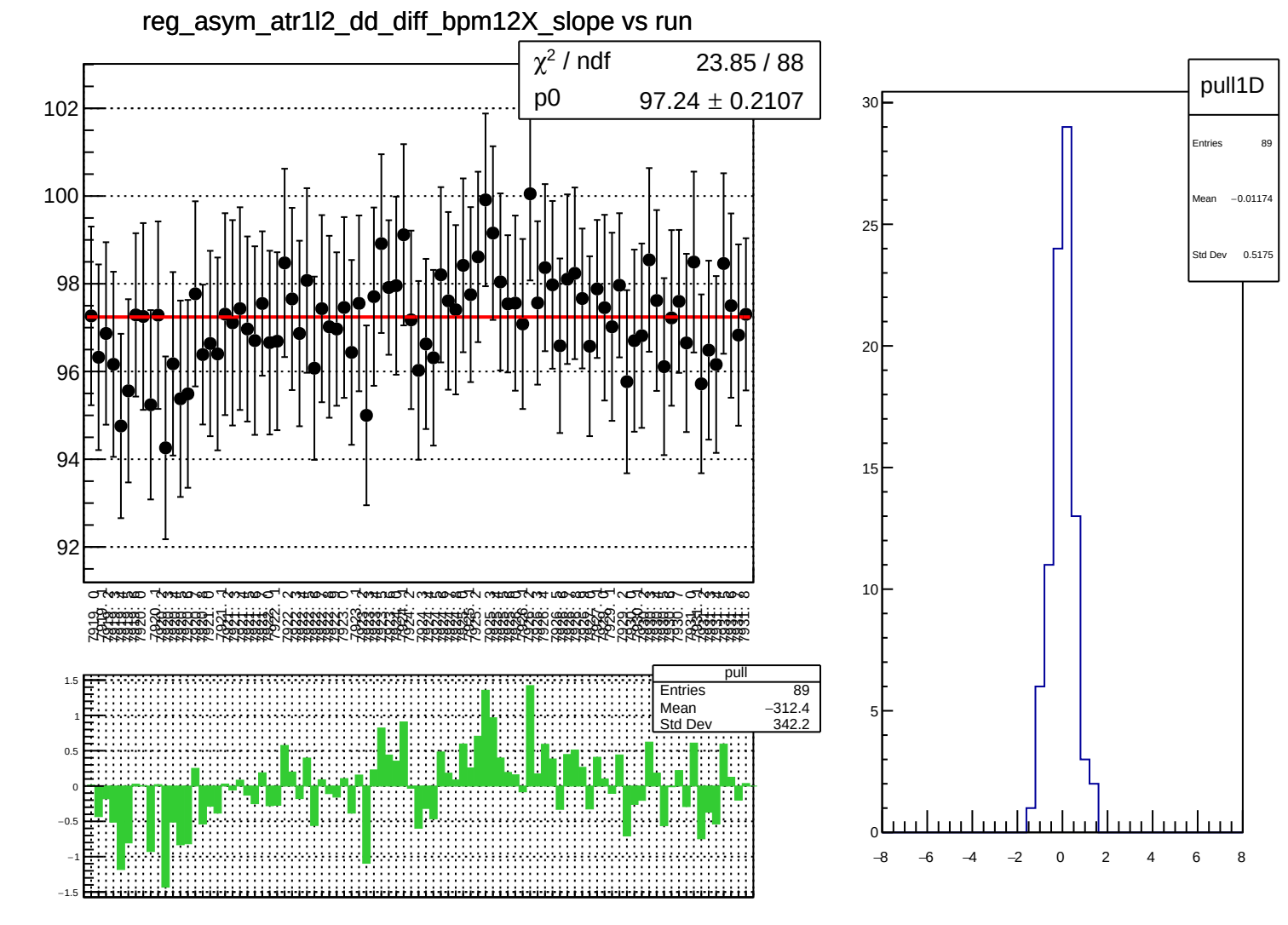

pull1D
Entries 89
Mean 0.002346
Std Dev 0.4023
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

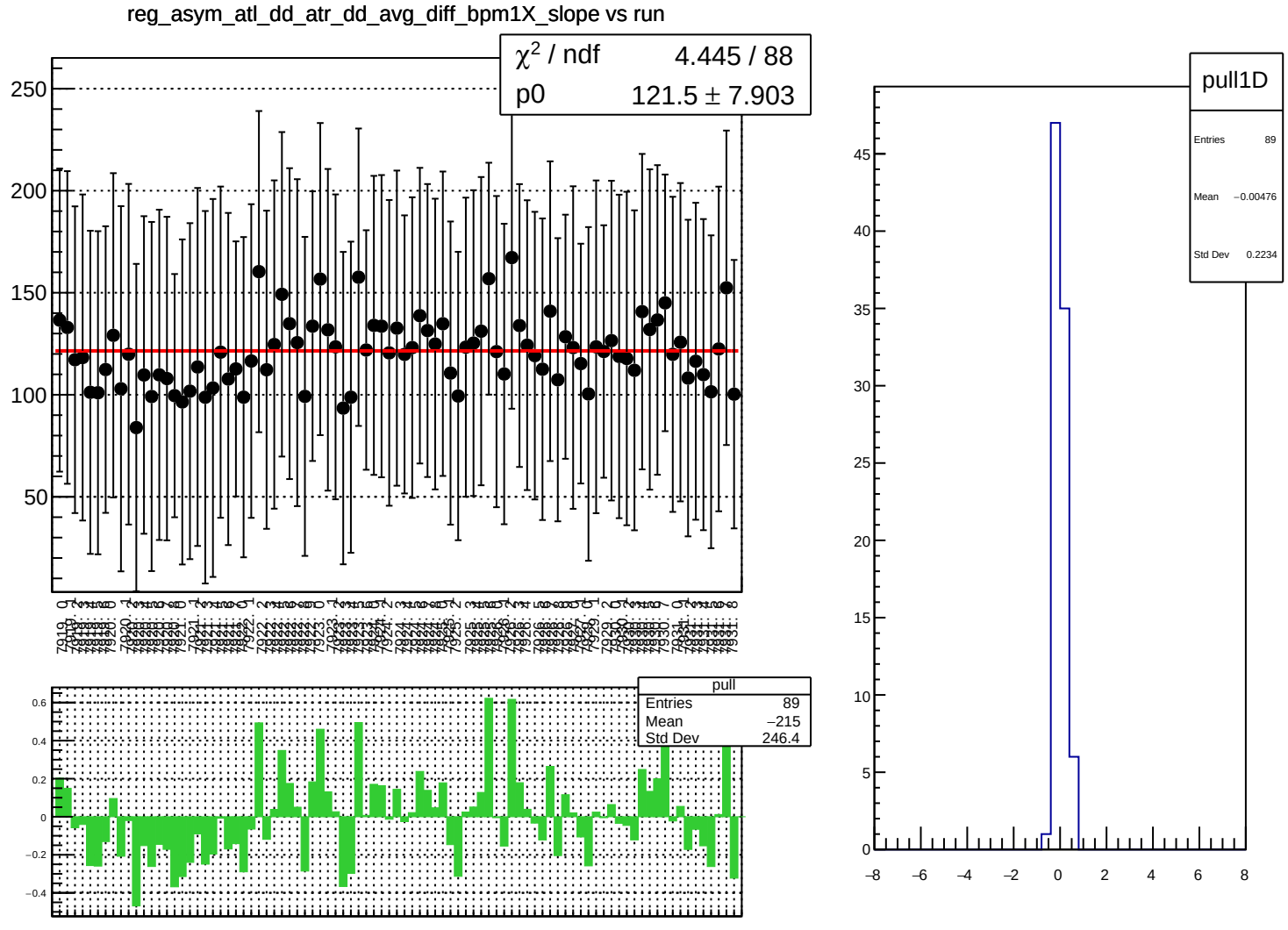

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.88 / 88
p0 −80.27 ± 5.498
pull
Entries 89
Mean −255
Std Dev 286.6

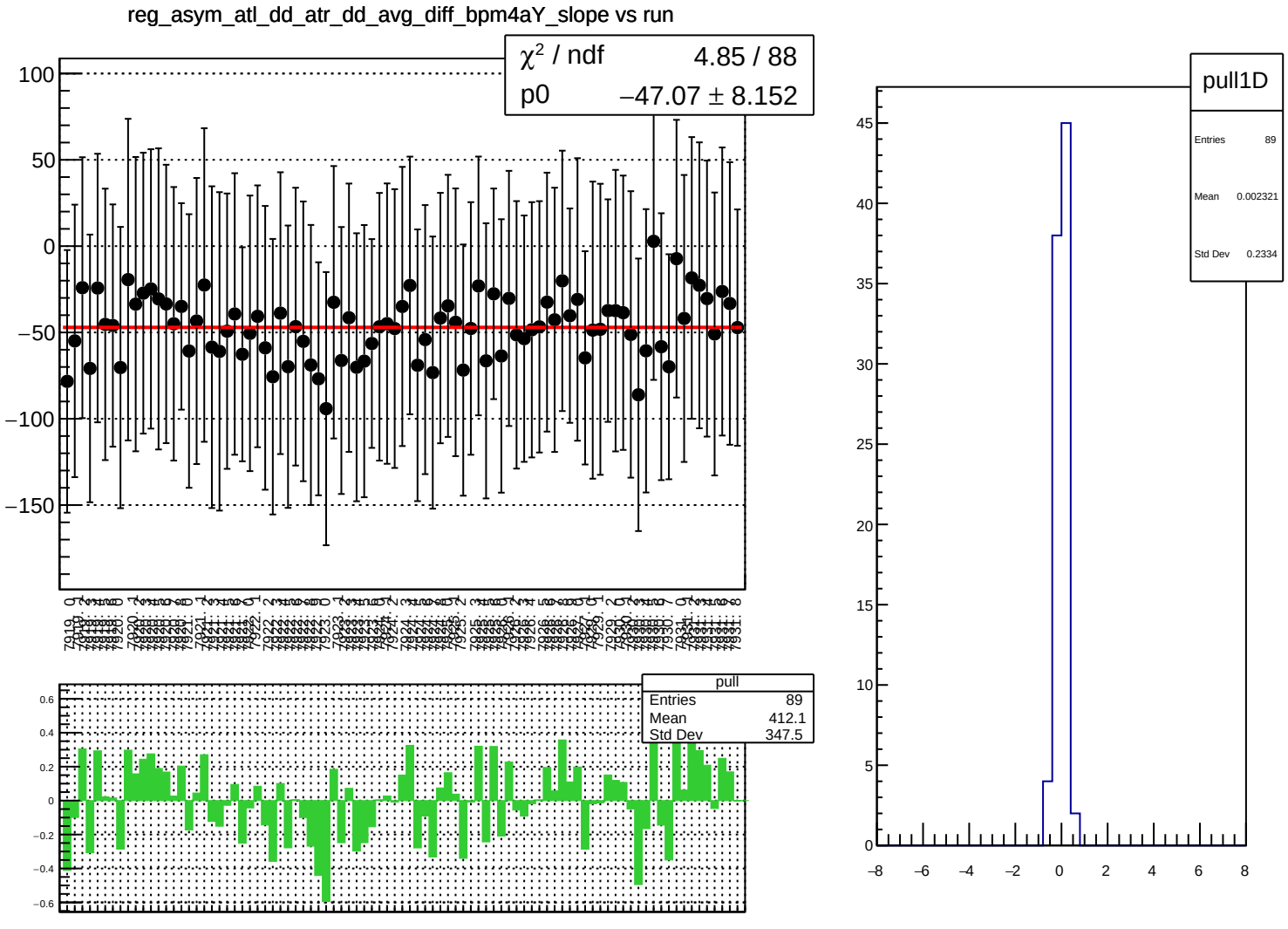

pull1D
Entries 89
Mean 0.005104
Std Dev 0.4355

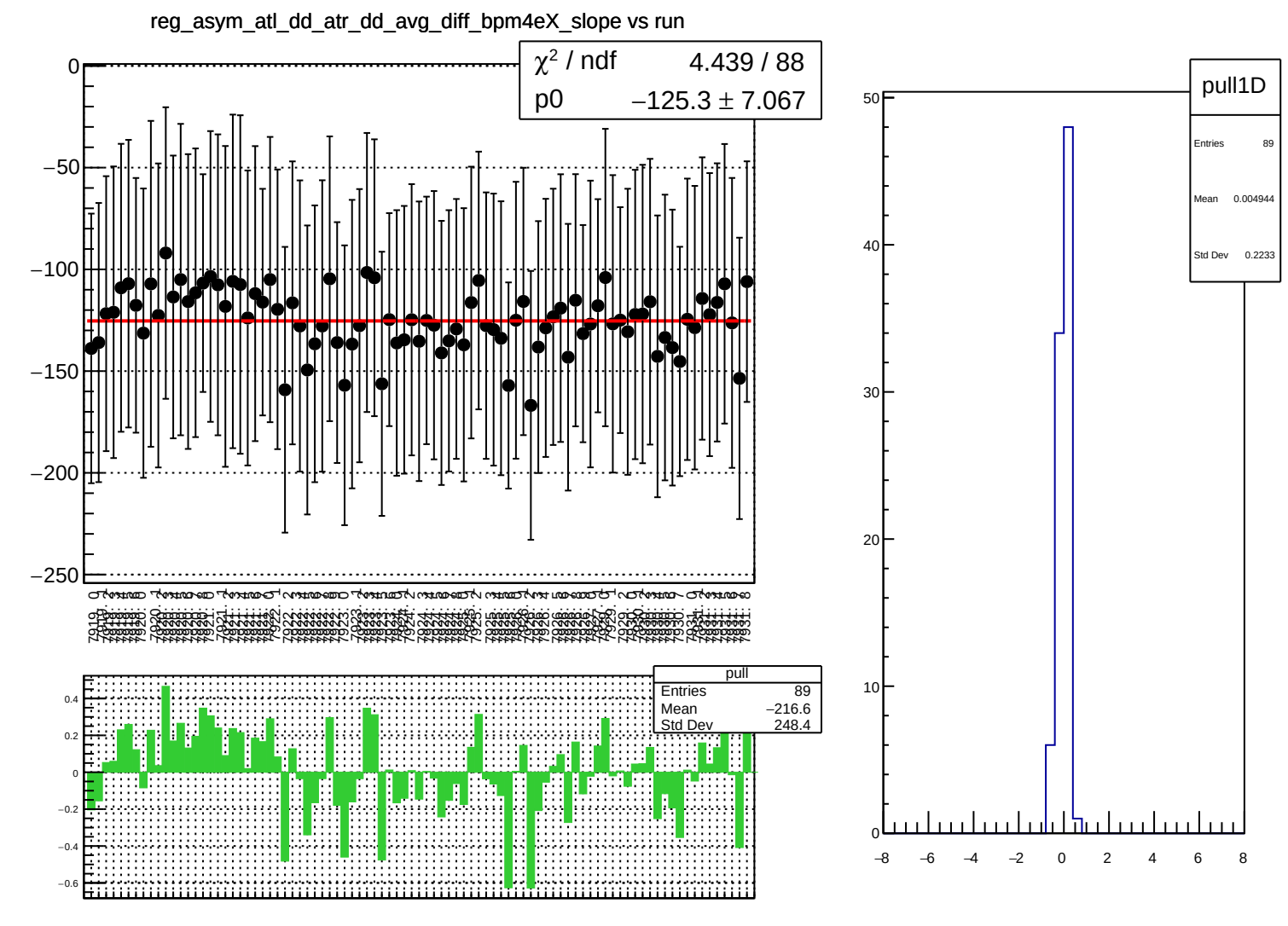

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.64 / 88
p0 −7.166 ± 7.289
pull
Entries 89
Mean 1073
Std Dev 1020

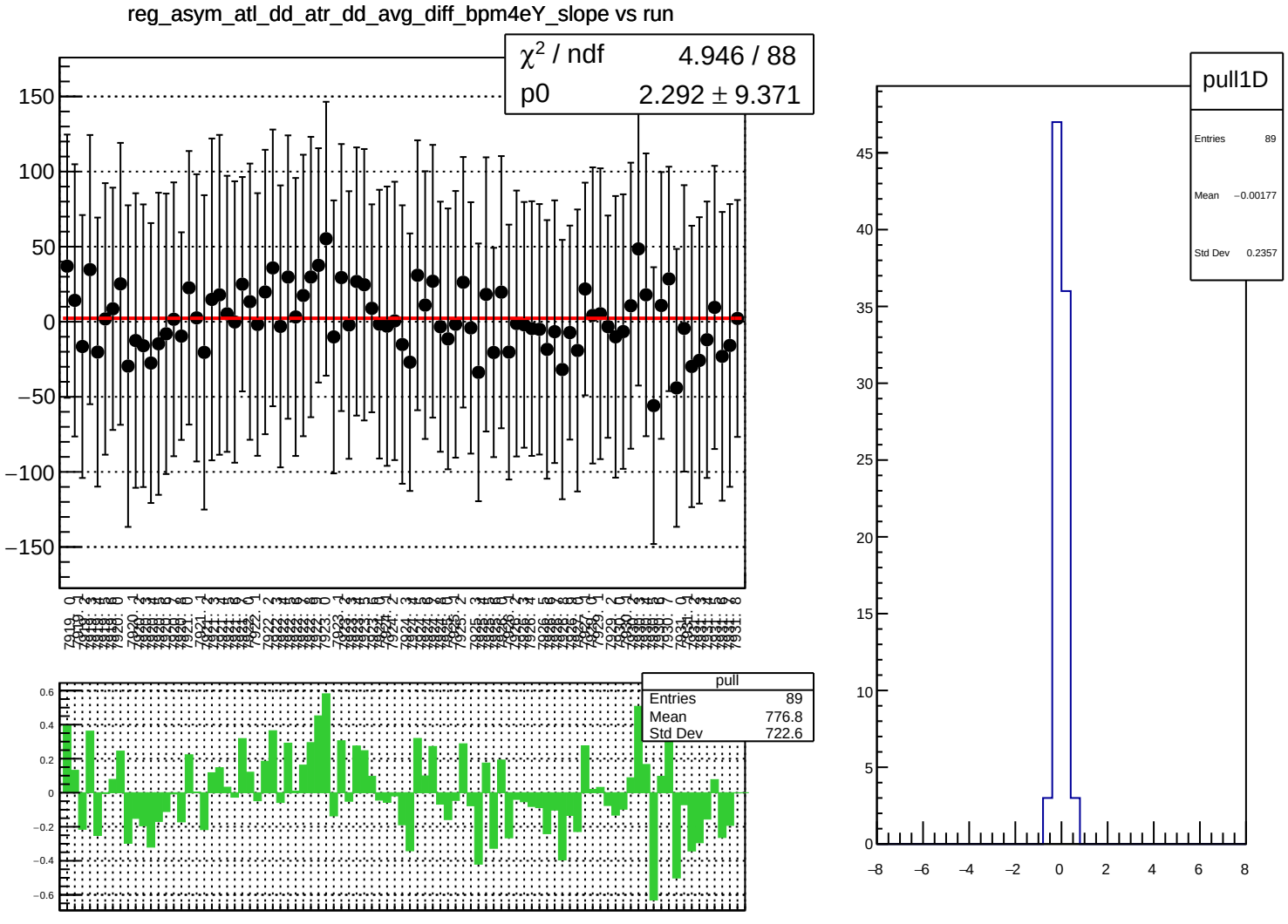

pull1D
Entries 89
Mean −0.002542
Std Dev 0.4056

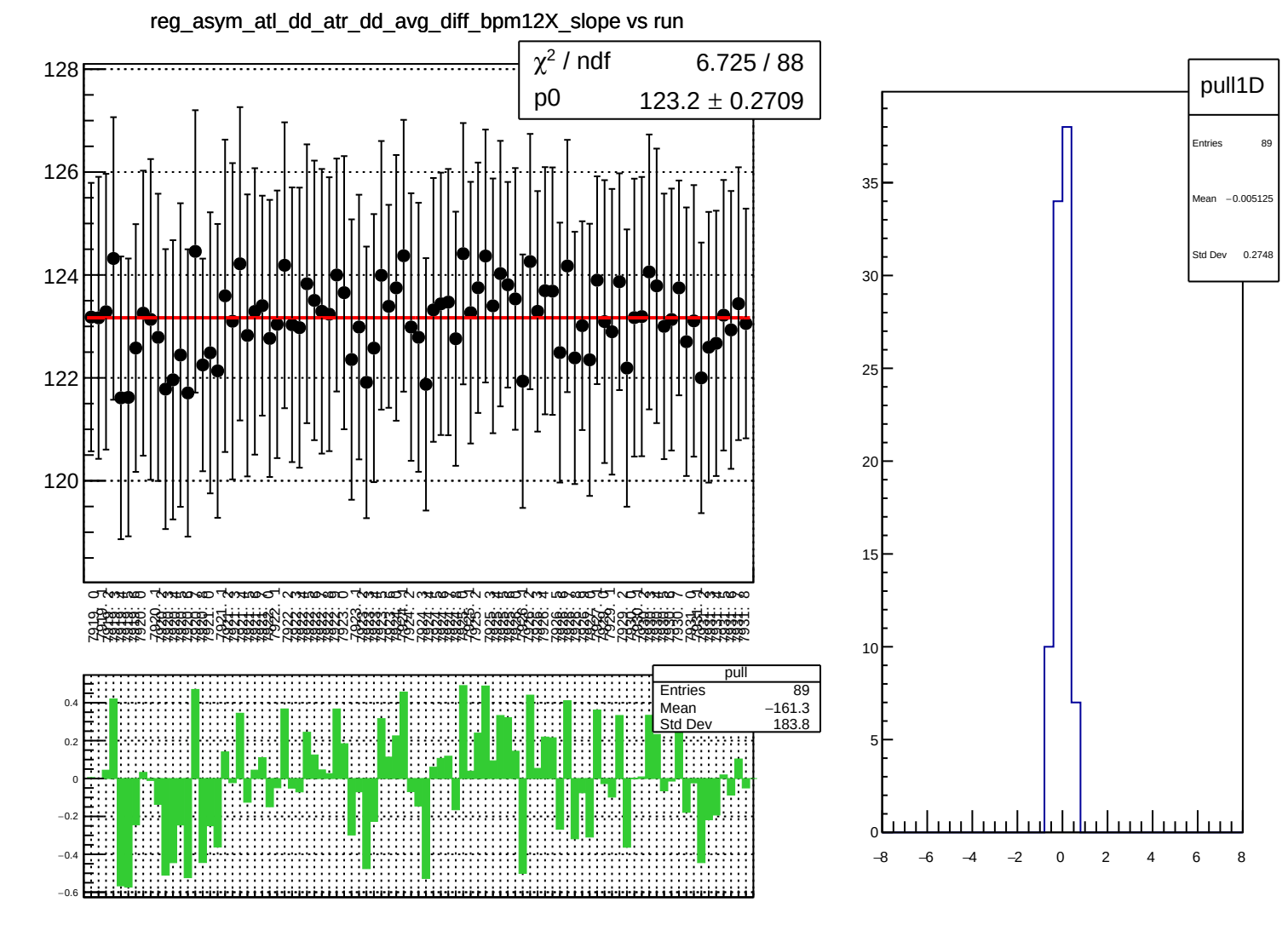

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.85 / 88
p0 97.24 ± 0.2107
pull
Entries 89
Mean −312.4
Std Dev 342.2
pull1D
Entries 89
Mean −0.01174
Std Dev 0.5175

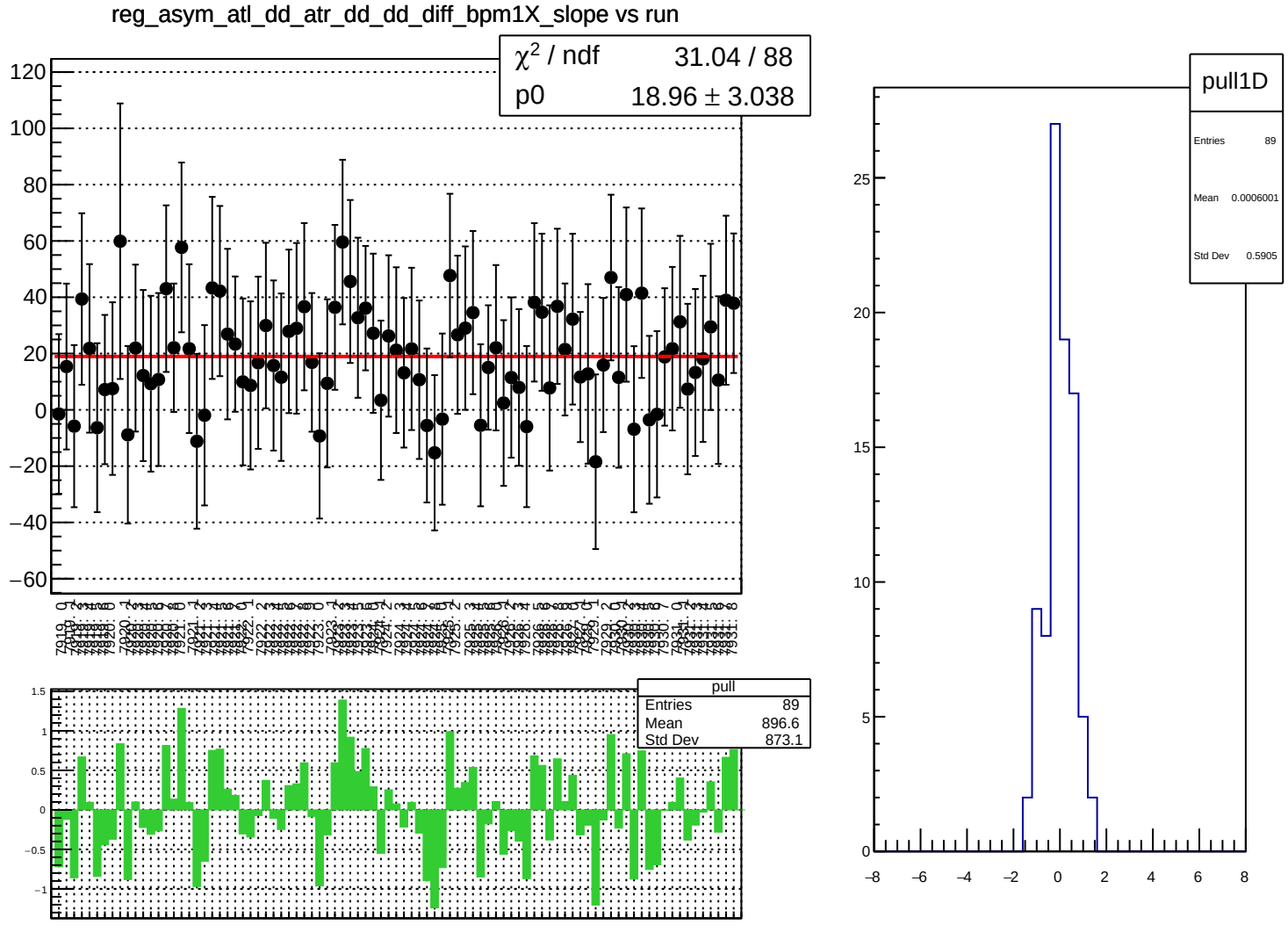

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 4.445 / 88
p0 121.5 ± 7.903
250
200
150
100
50
pull
Entries 89
Mean −215
Std Dev 246.4
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 89
Mean −0.00476
Std Dev 0.2234
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

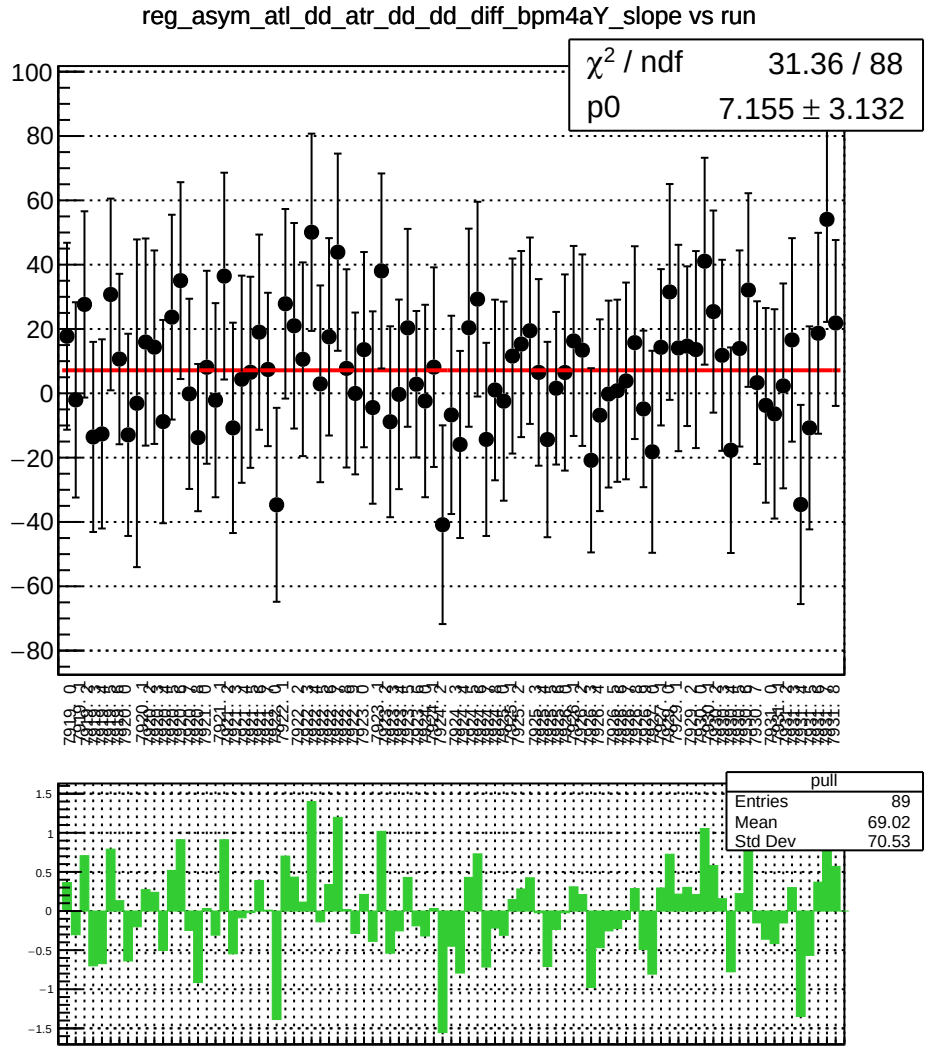

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.85 / 88
p0 −47.07 ± 8.152
pull
Entries 89
Mean 412.1
Std Dev 347.5
pull1D
Entries 89
Mean 0.002321
Std Dev 0.2334

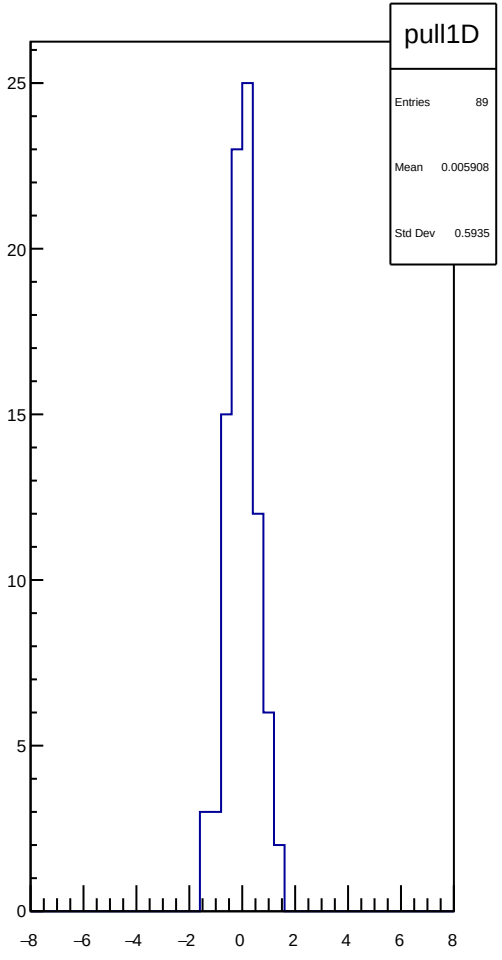

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.439 / 88
p0 −125.3 ± 7.067
pull
Entries 89
Mean −216.6
Std Dev 248.4
pull1D
Entries 89
Mean 0.004944
Std Dev 0.2233

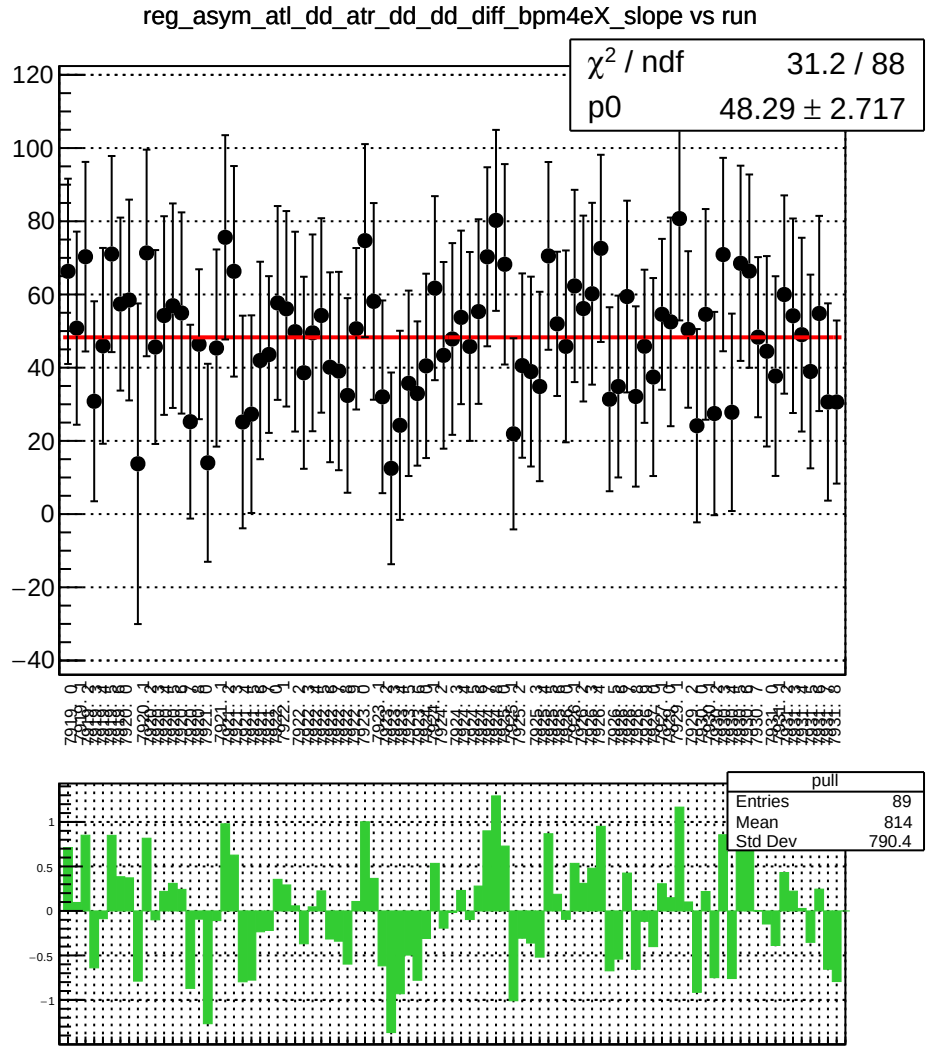

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.946 / 88
p0 2.292 ± 9.371
150
100
50
0
−50
−100
−150
pull
Entries 89
Mean 776.8
Std Dev 722.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean −0.00177
Std Dev 0.2357
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

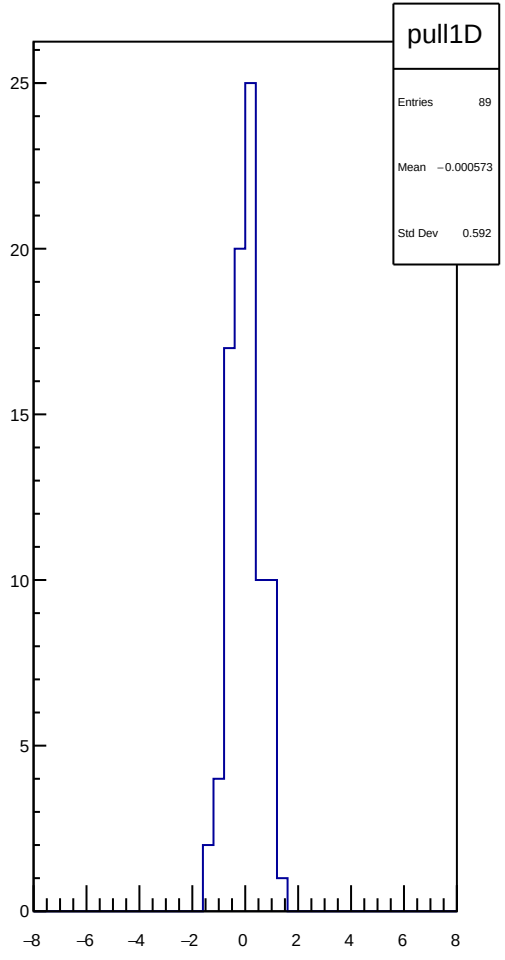

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.725 / 88
p0 123.2 ± 0.2709
128
126
124
122
120
pull
Entries 89
Mean −161.3
Std Dev 183.8
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 89
Mean −0.005125
Std Dev 0.2748
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

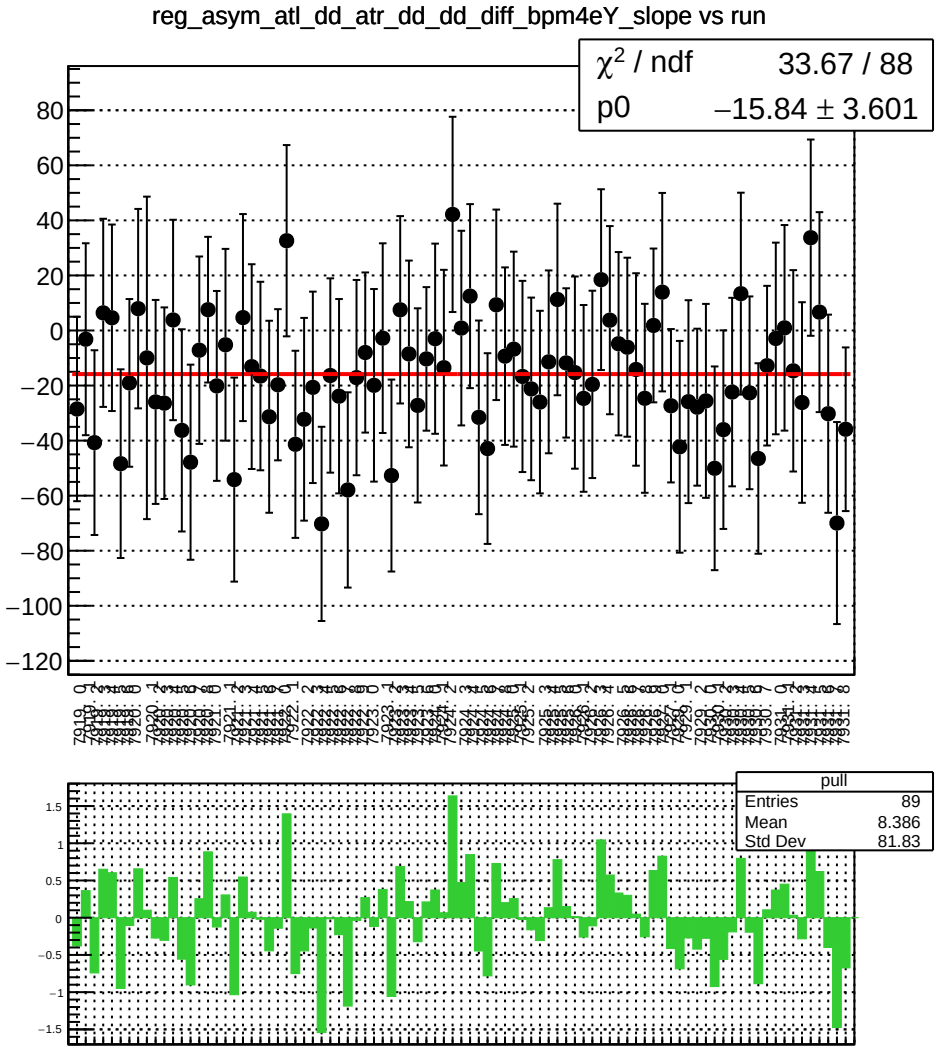

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 31.04 / 88
p0 18.96 ± 3.038
pull
Entries 89
Mean 896.6
Std Dev 873.1
pull1D
Entries 89
Mean 0.0006001
Std Dev 0.5905

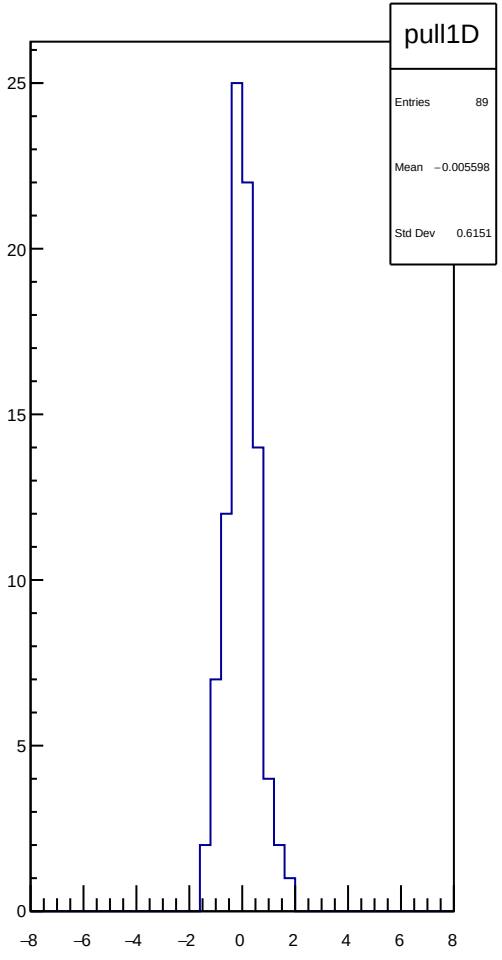

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.36 / 88
p0 7.155 ± 3.132
pull
Entries 89
Mean 69.02
Std Dev 70.53

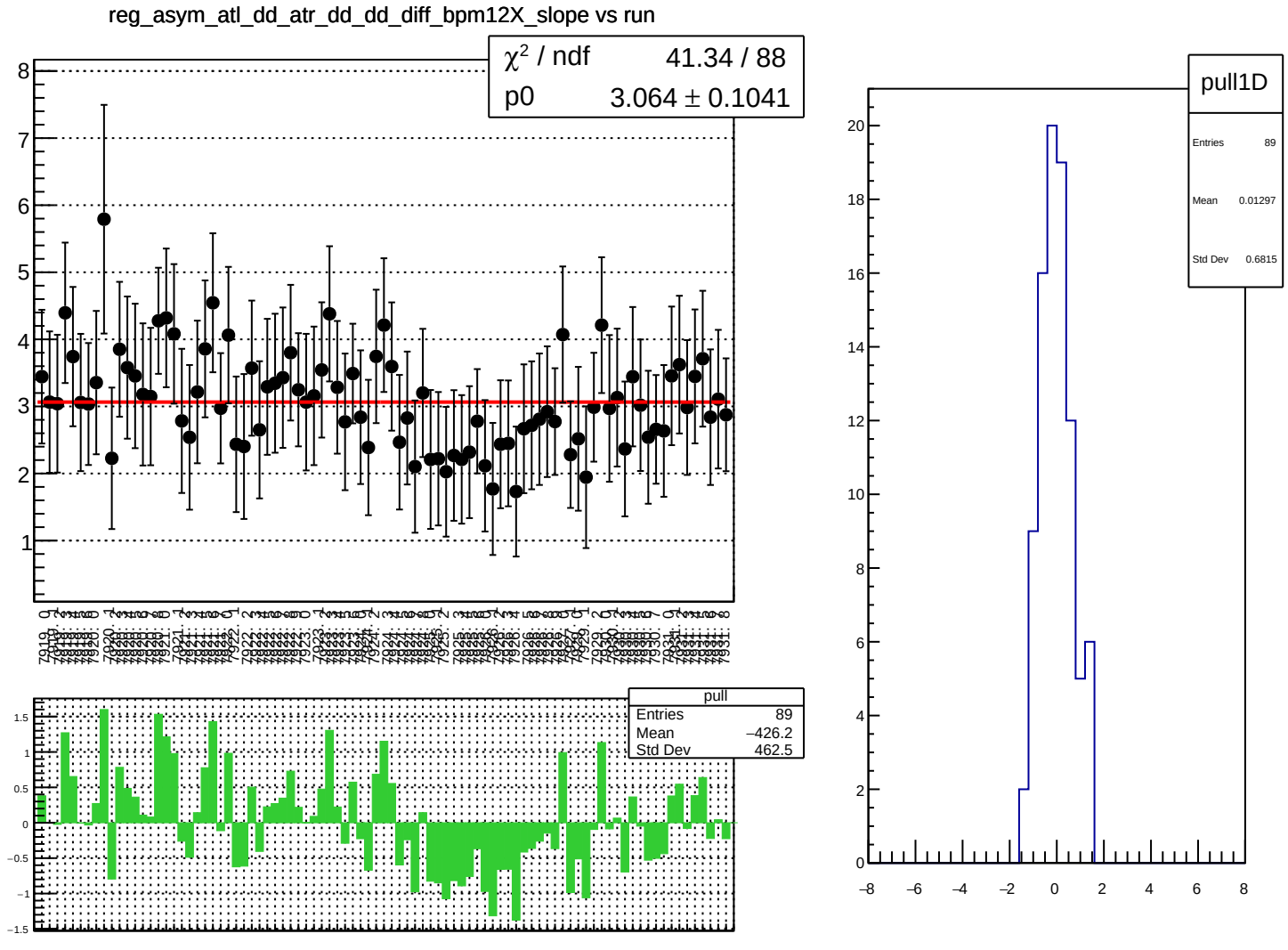

pull1D
Entries 89
Mean 0.005908
Std Dev 0.5935

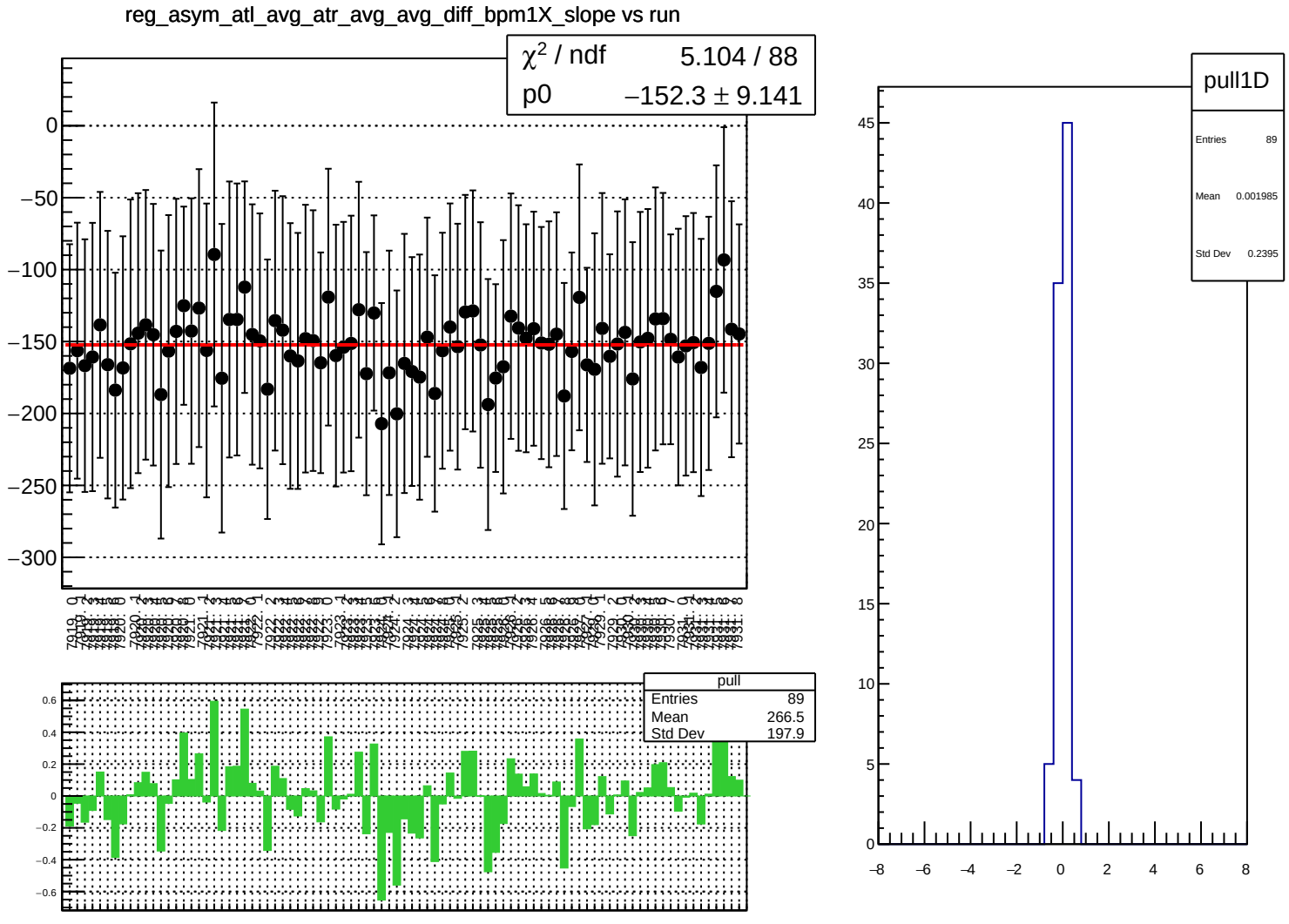

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.2 / 88
p0 48.29 ± 2.717
pull
Entries 89
Mean 814
Std Dev 790.4

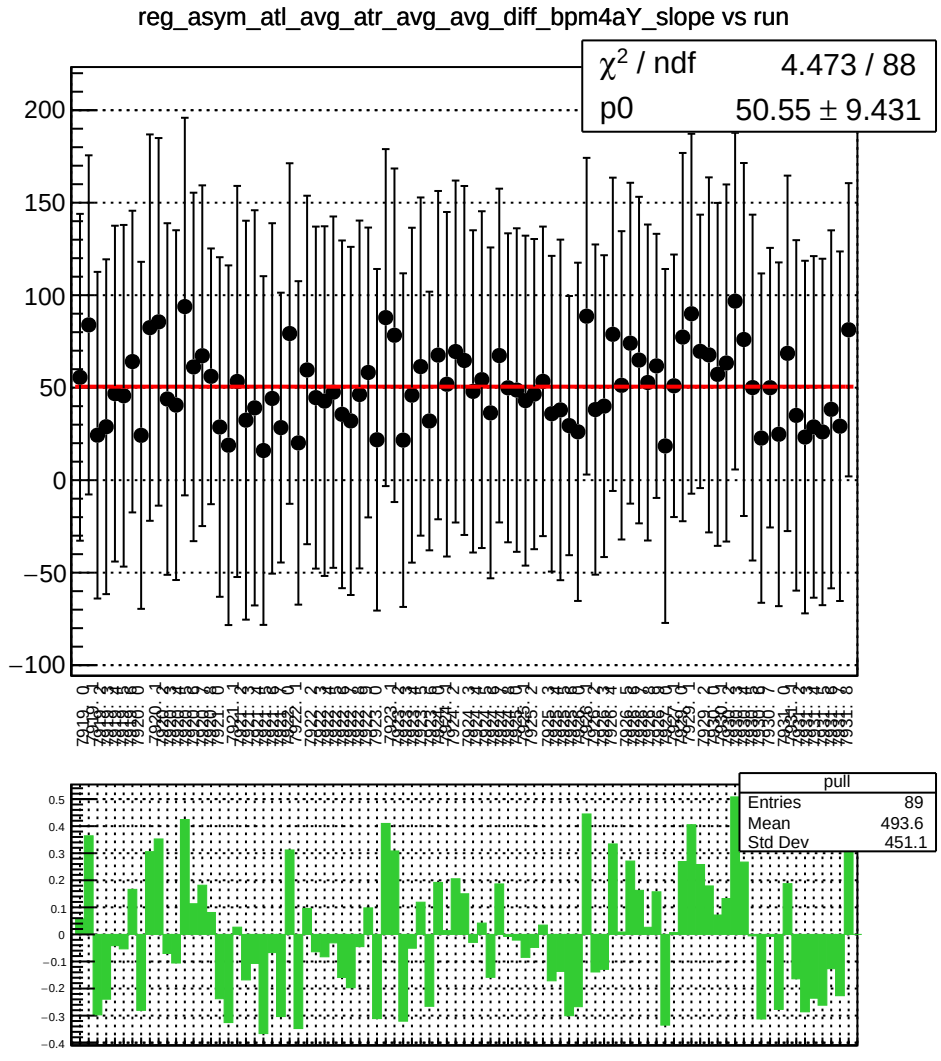

pull1D
Entries 89
Mean −0.000573
Std Dev 0.592

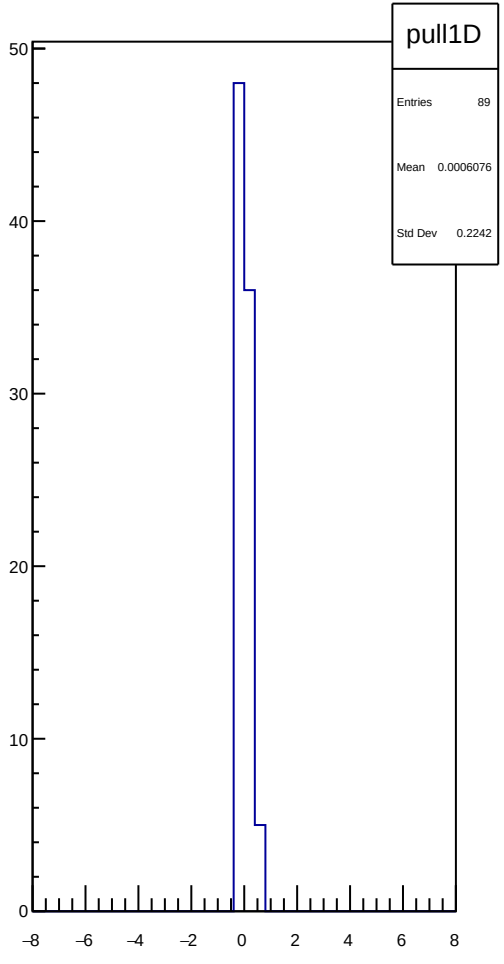

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.67 / 88
p0 −15.84 ± 3.601
pull
Entries 89
Mean 8.386
Std Dev 81.83

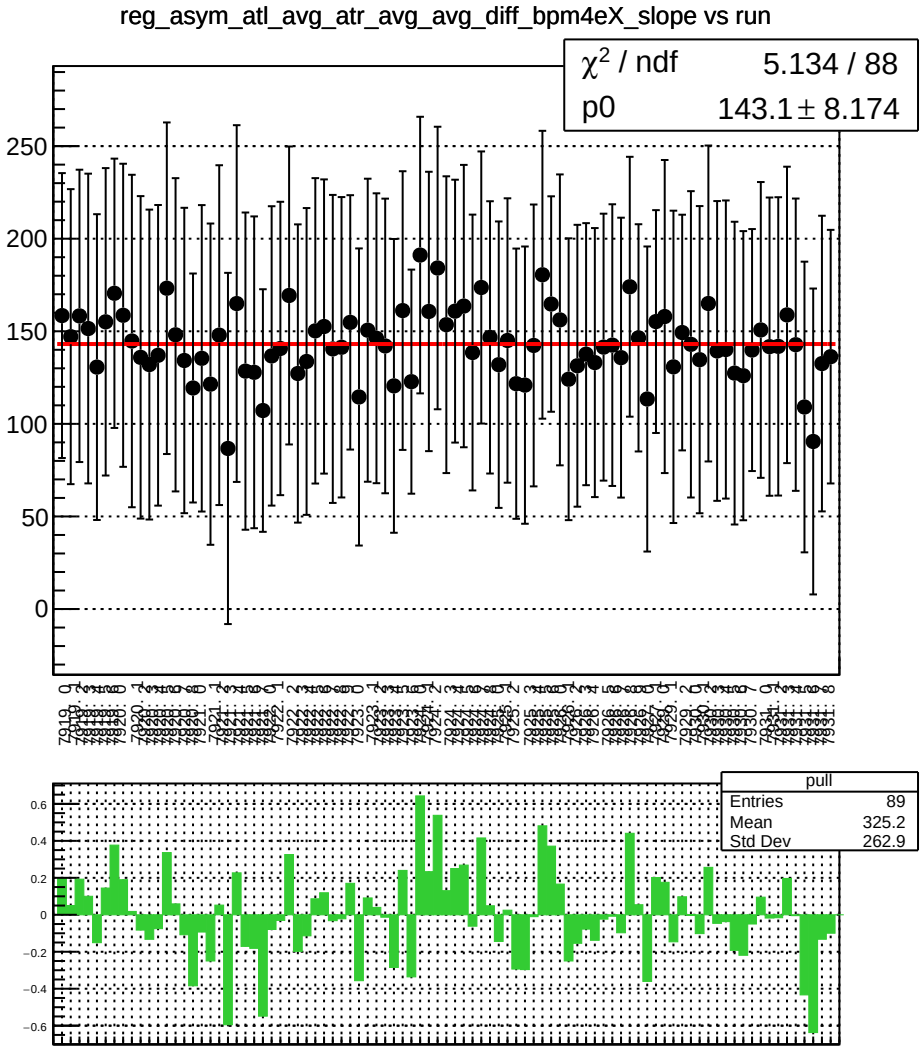

pull1D
Entries 89
Mean −0.005598
Std Dev 0.6151

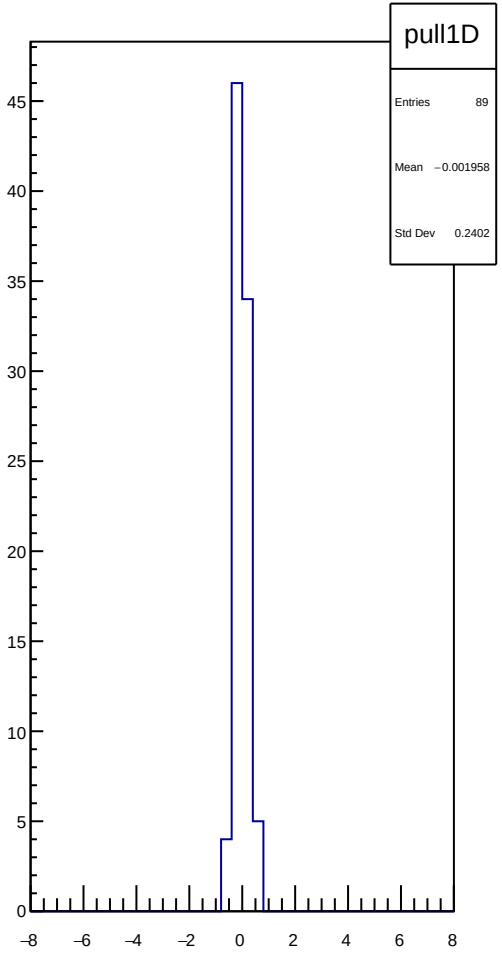

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 41.34 / 88
p0 3.064 ± 0.1041
pull
Entries 89
Mean −426.2
Std Dev 462.5
pull1D
Entries 89
Mean 0.01297
Std Dev 0.6815

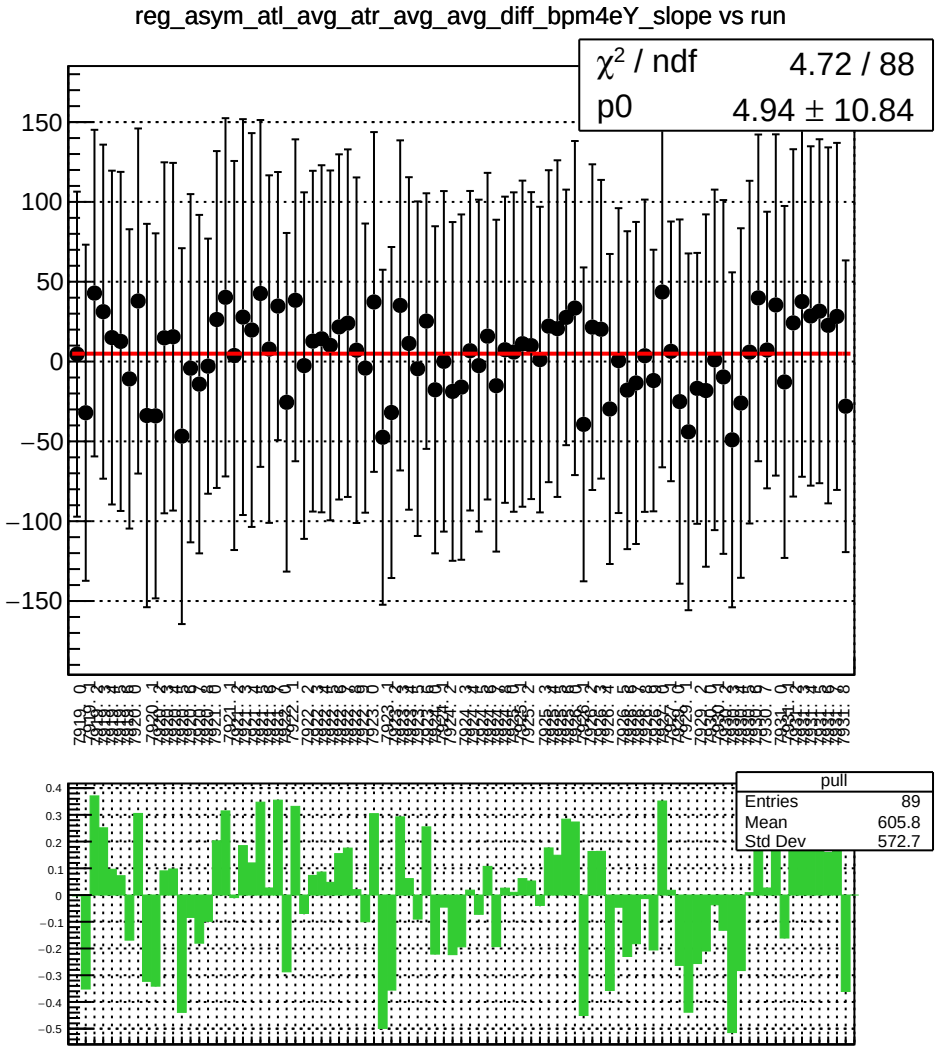

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.104 / 88
p0 −152.3 ± 9.141
pull
Entries 89
Mean 266.5
Std Dev 197.9
pull1D
Entries 89
Mean 0.001985
Std Dev 0.2395

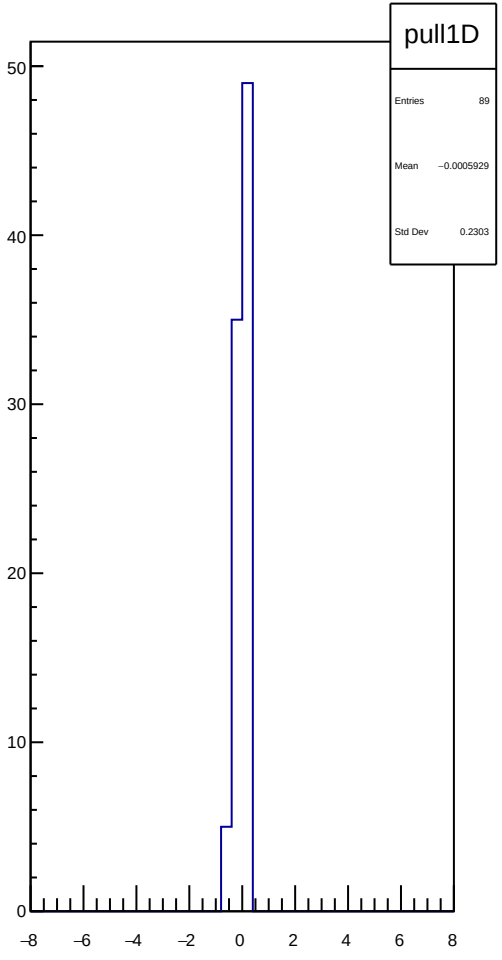

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.473 / 88
p0 50.55 ± 9.431
pull
Entries 89
Mean 493.6
Std Dev 451.1

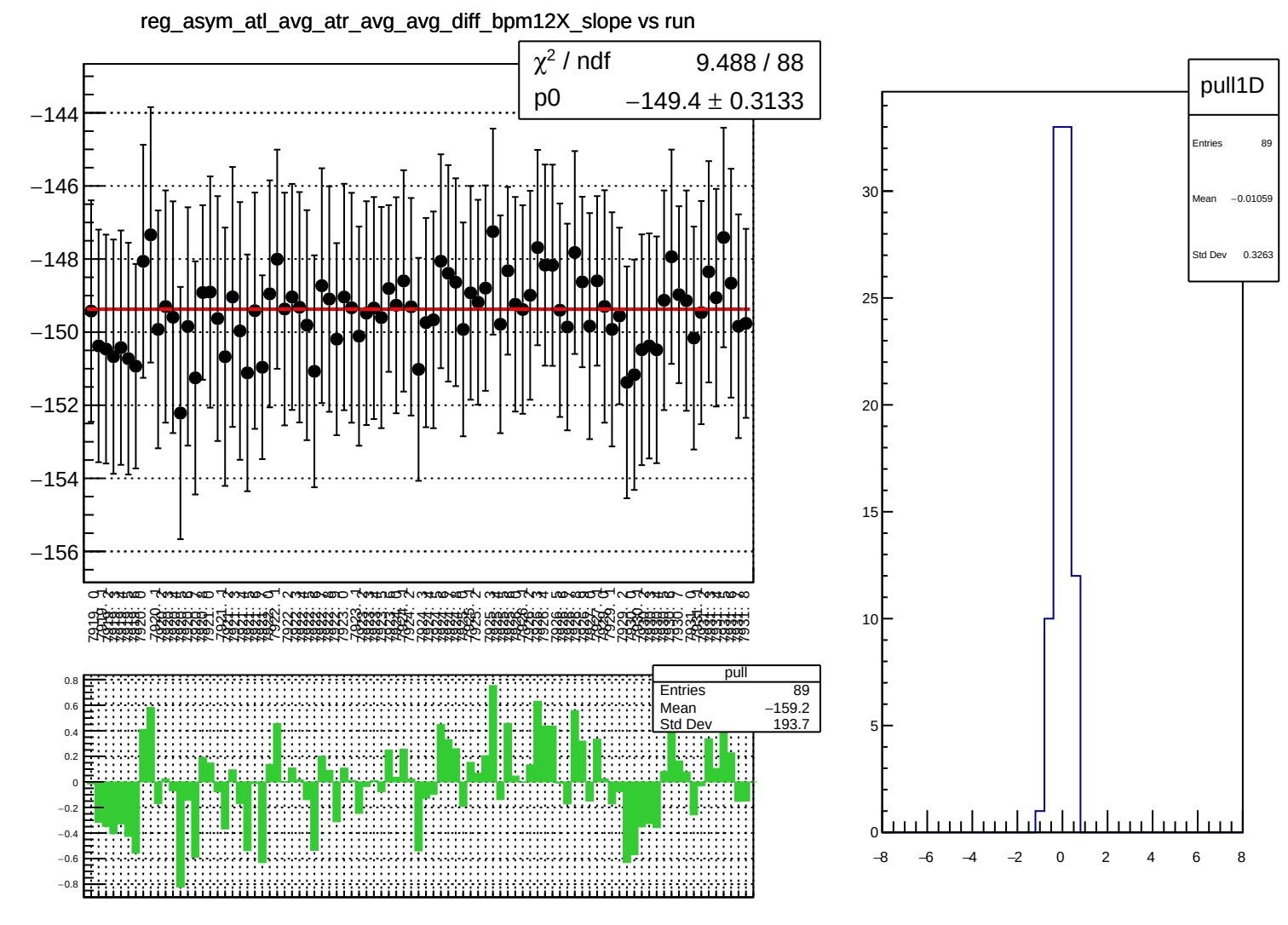

pull1D
Entries 89
Mean 0.0006076
Std Dev 0.2242

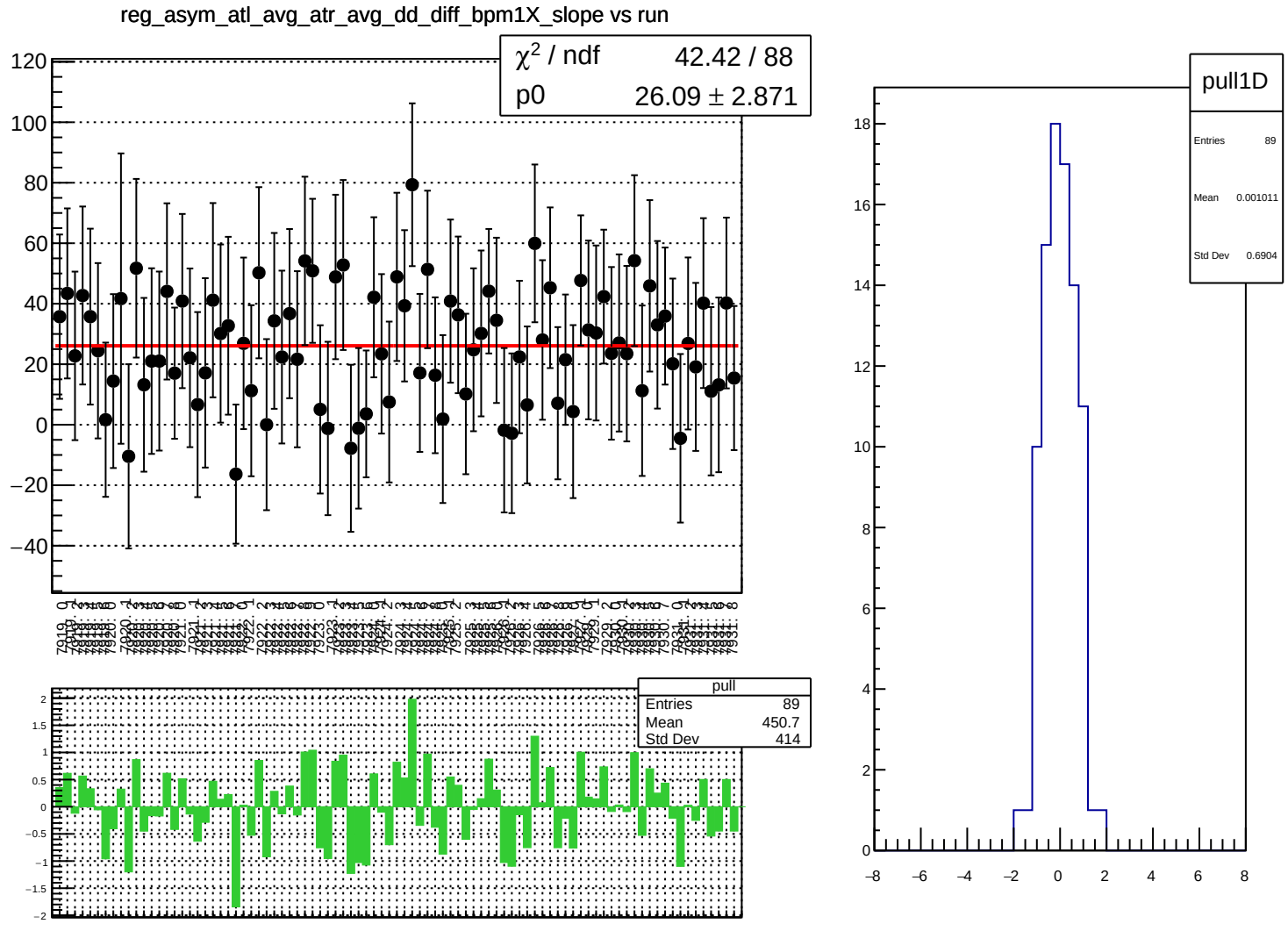

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.134 / 88
p0 143.1 ± 8.174
pull
Entries 89
Mean 325.2
Std Dev 262.9

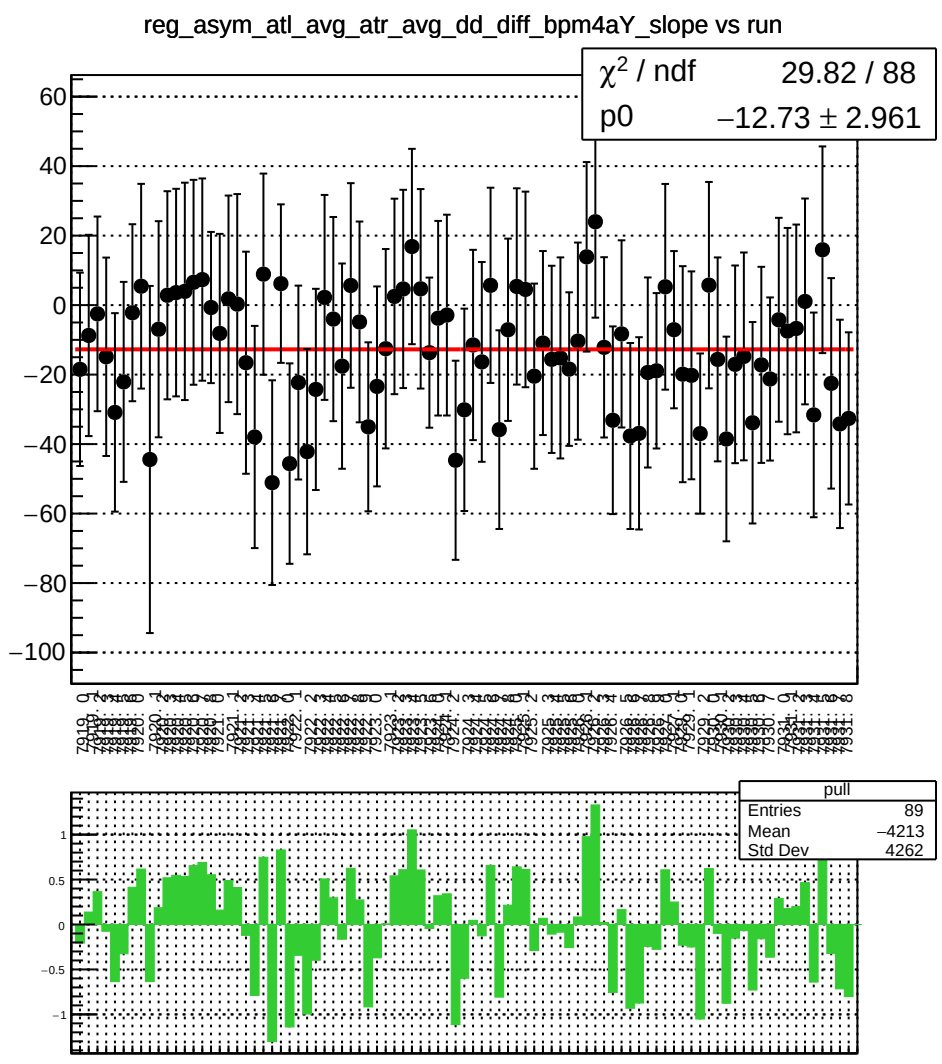

pull1D
Entries 89
Mean −0.001958
Std Dev 0.2402

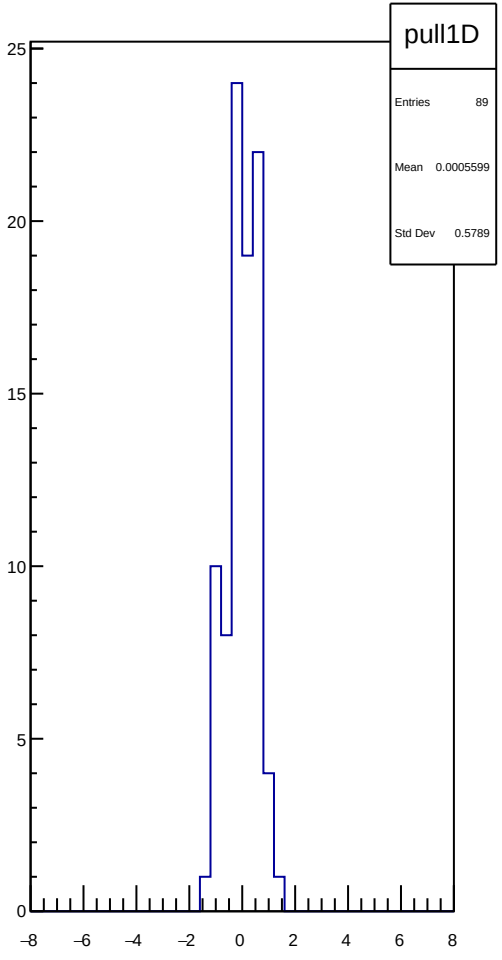

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.72 / 88
p0 4.94 ± 10.84
pull
Entries 89
Mean 605.8
Std Dev 572.7

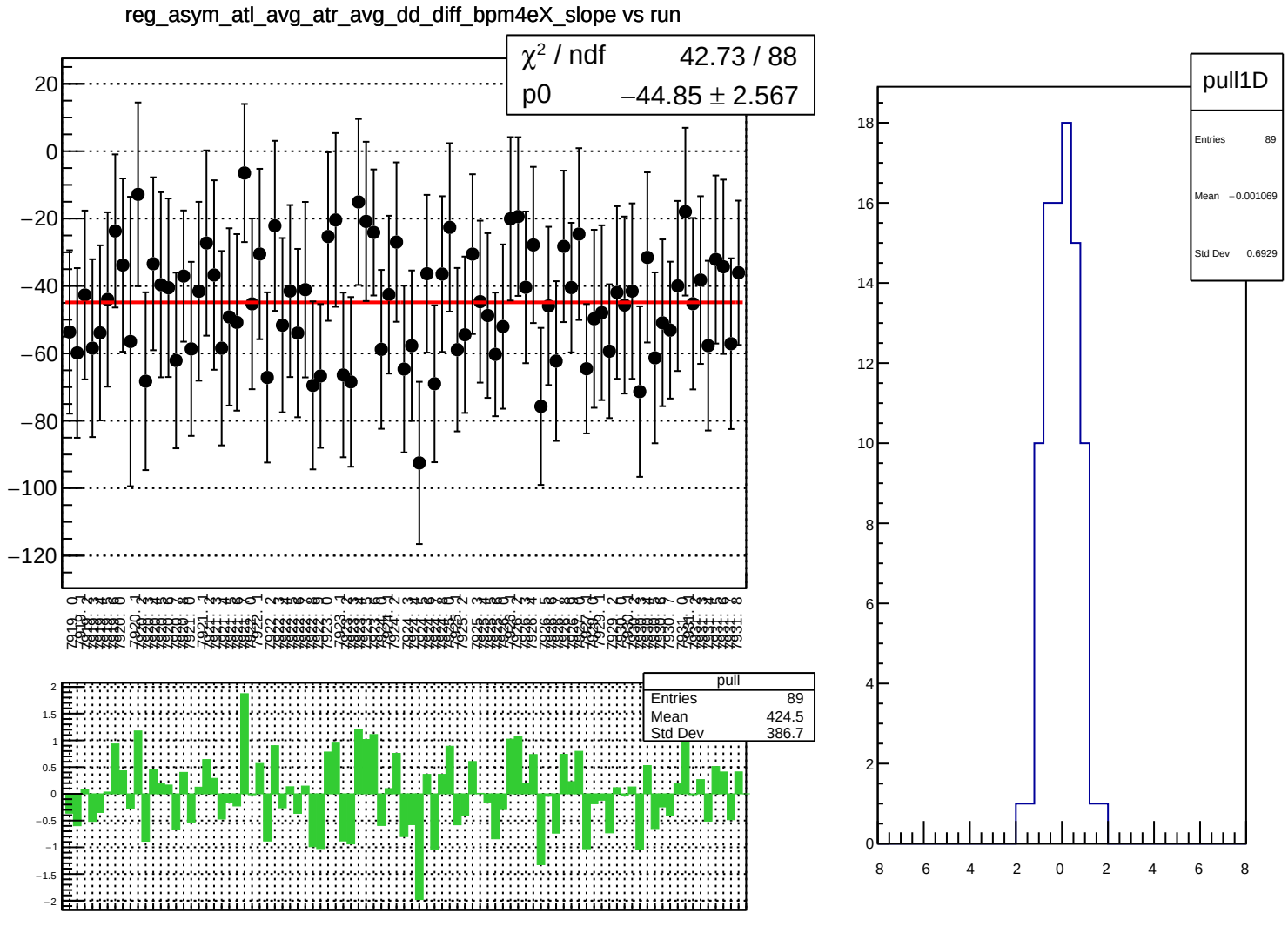

pull1D
Entries 89
Mean −0.0005929
Std Dev 0.2303

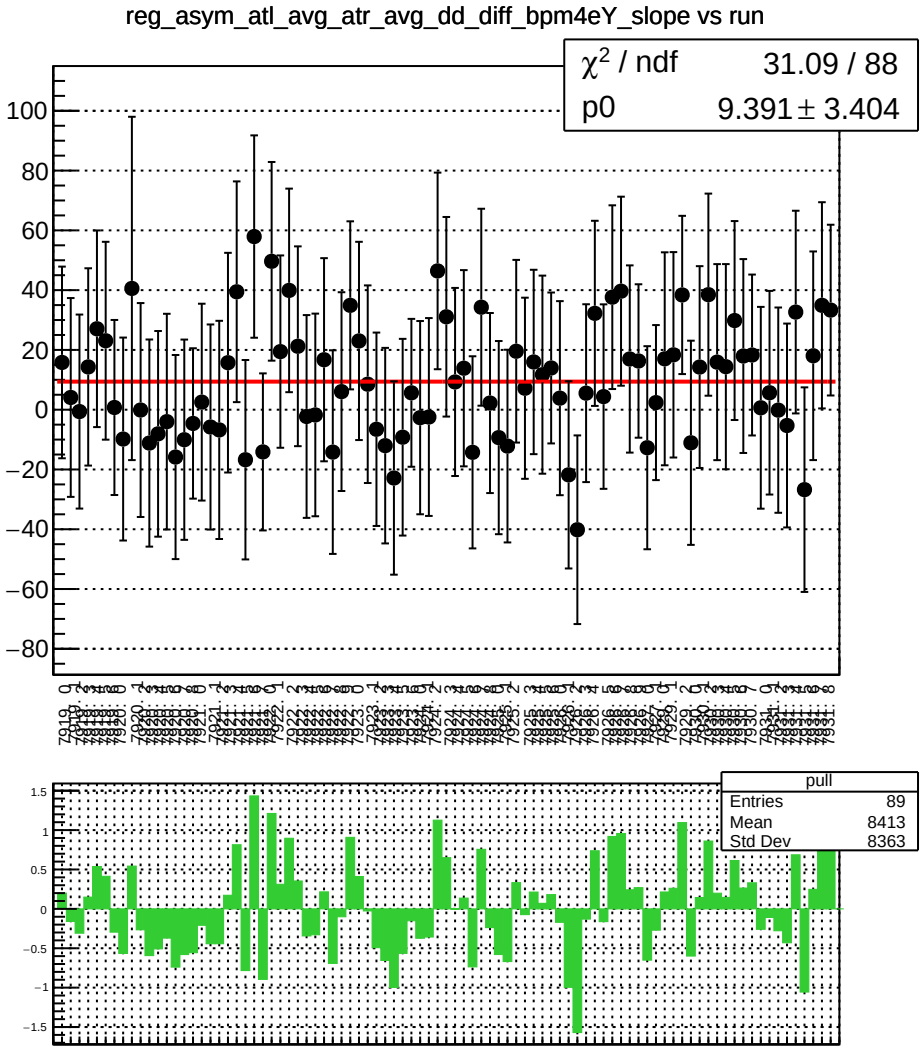

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 9.488 / 88
p0 −149.4 ± 0.3133
pull
Entries 89
Mean −159.2
Std Dev 193.7
pull1D
Entries 89
Mean −0.01059
Std Dev 0.3263

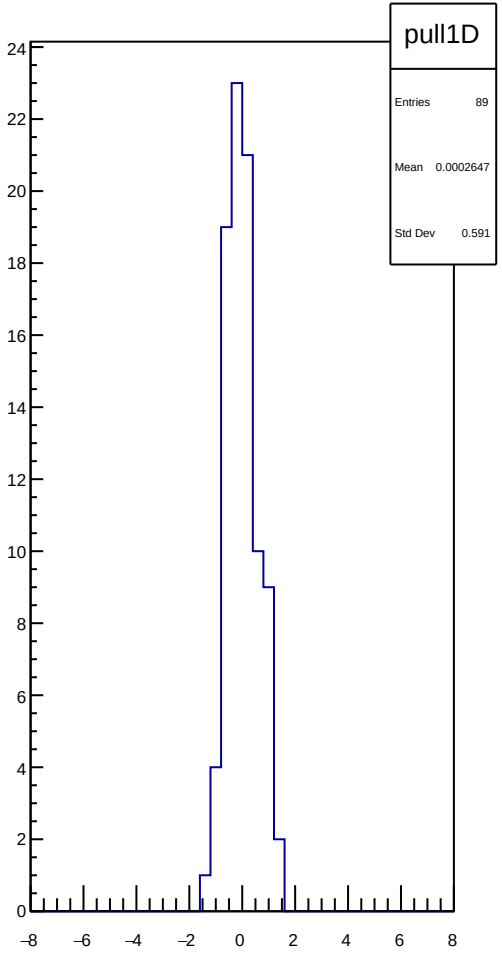

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 42.42 / 88
p0 26.09 ± 2.871
pull
Entries 89
Mean 450.7
Std Dev 414
pull1D
Entries 89
Mean 0.001011
Std Dev 0.6904

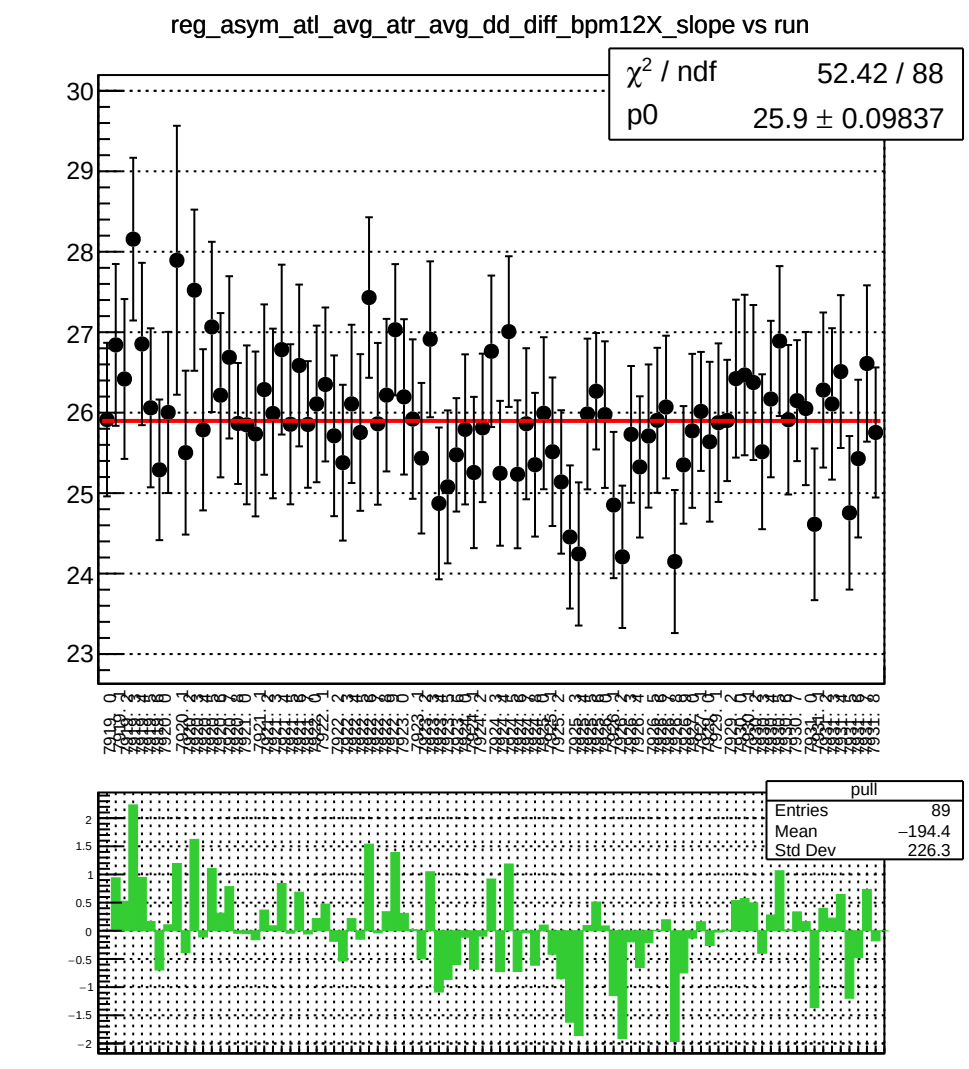

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.82 / 88
p0 −12.73 ± 2.961
pull
Entries 89
Mean −4213
Std Dev 4262

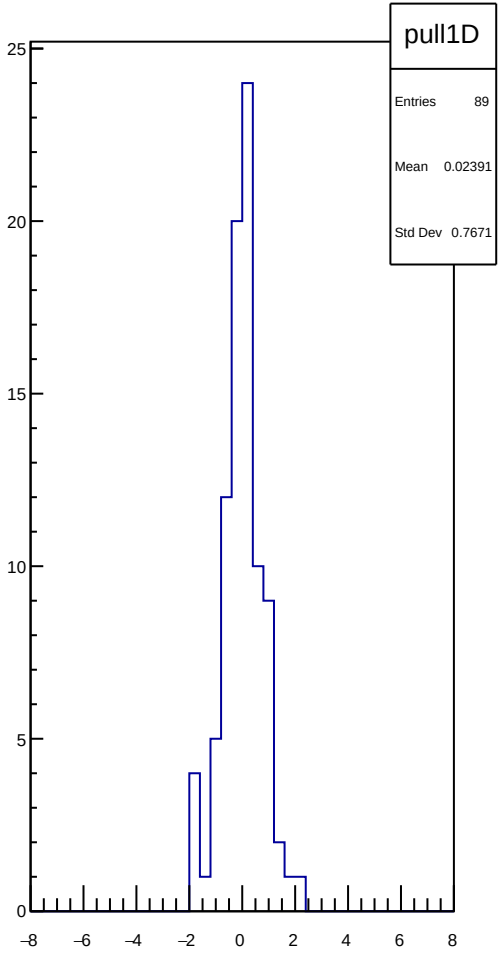

pull1D
Entries 89
Mean 0.0005599
Std Dev 0.5789

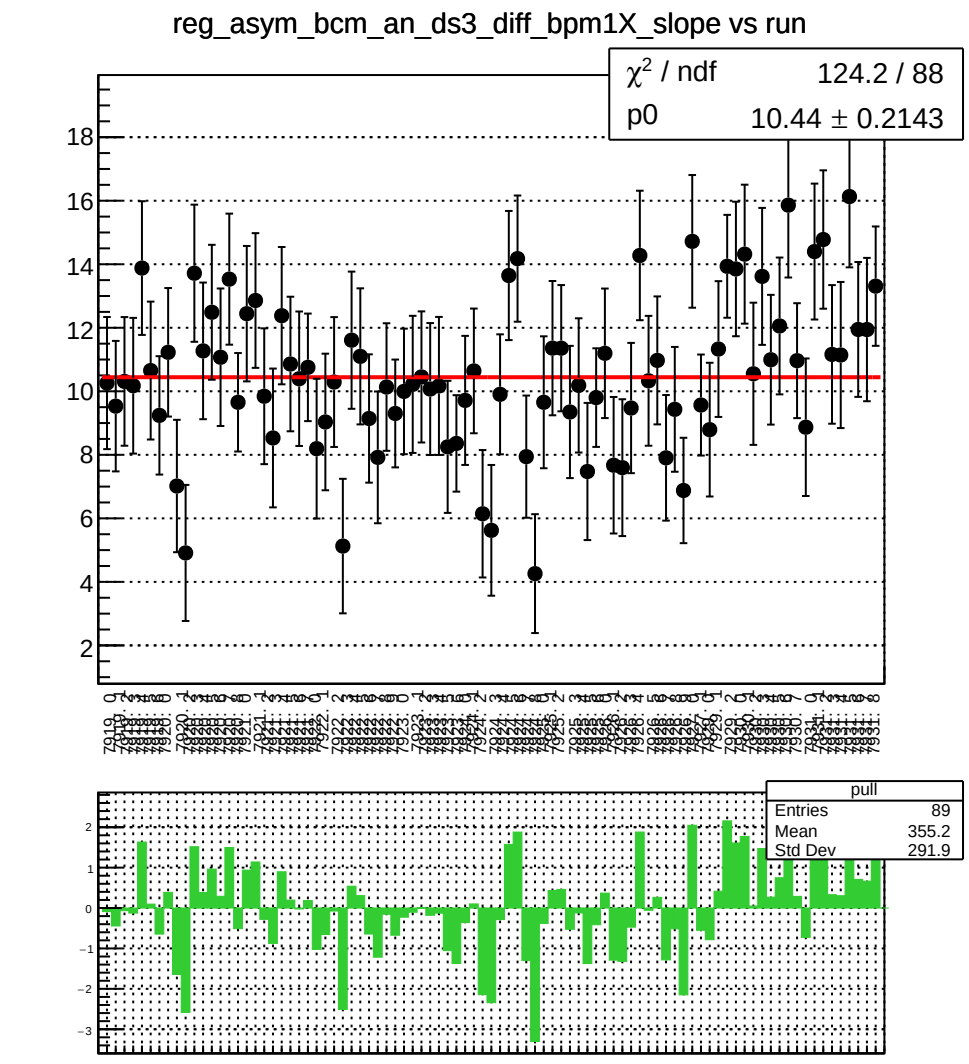

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.73 / 88
p0 −44.85 ± 2.567
pull
Entries 89
Mean 424.5
Std Dev 386.7
pull1D
Entries 89
Mean −0.001069
Std Dev 0.6929

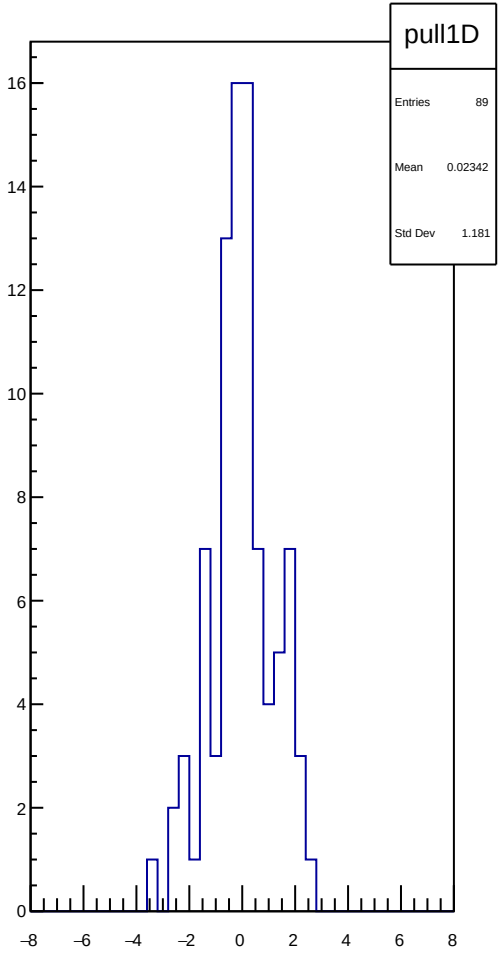

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.09 / 88
p0 9.391 ± 3.404
pull
Entries 89
Mean 8413
Std Dev 8363

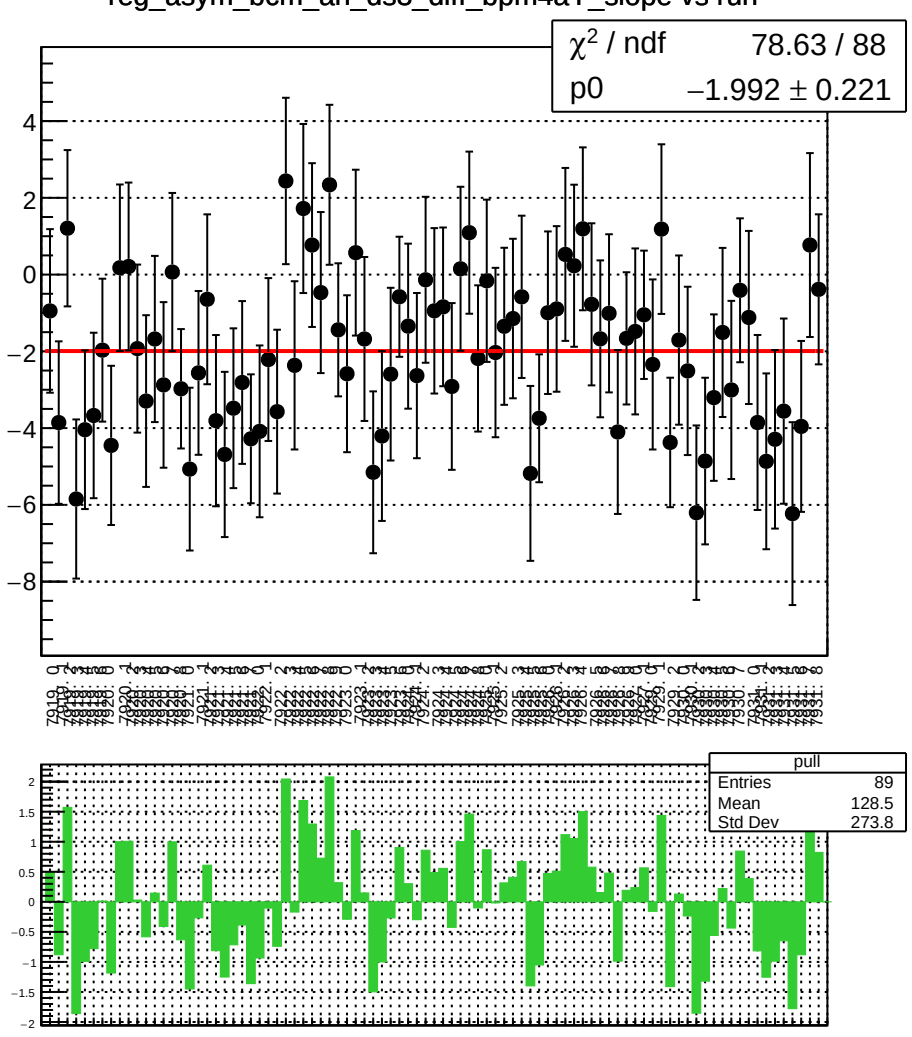

pull1D
Entries 89
Mean 0.0002647
Std Dev 0.591

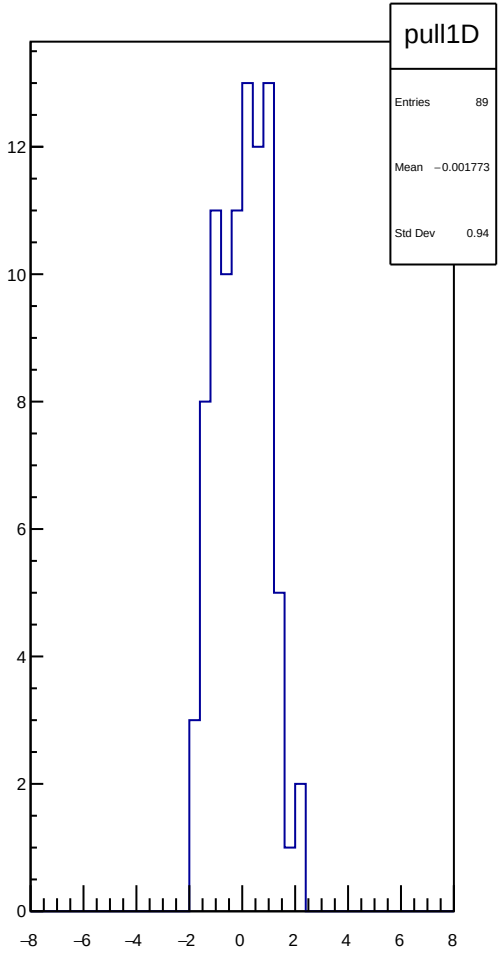

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 52.42 / 88
p0 25.9 ± 0.09837
pull
Entries 89
Mean −194.4
Std Dev 226.3

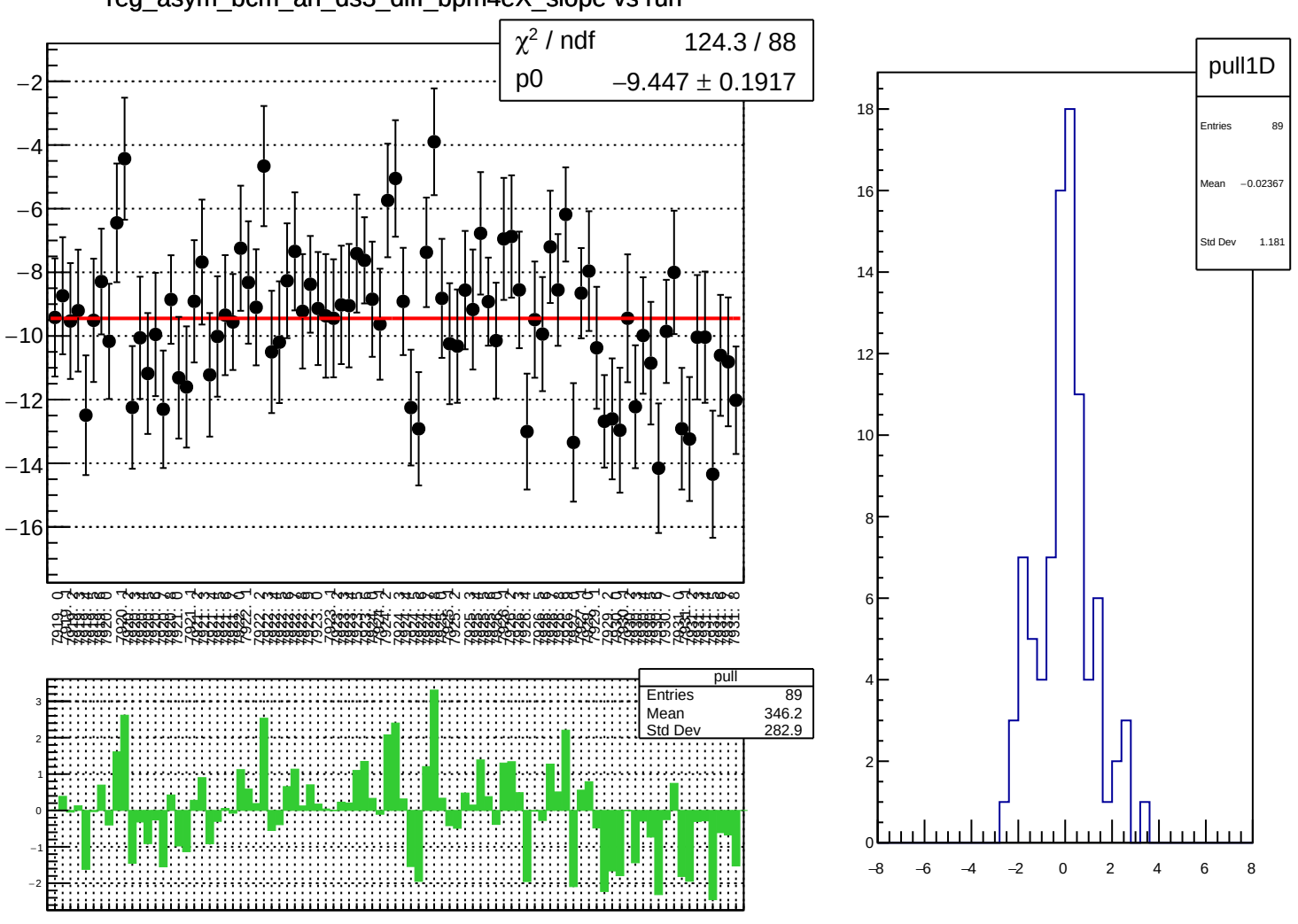

pull1D
Entries 89
Mean 0.02391
Std Dev 0.7671

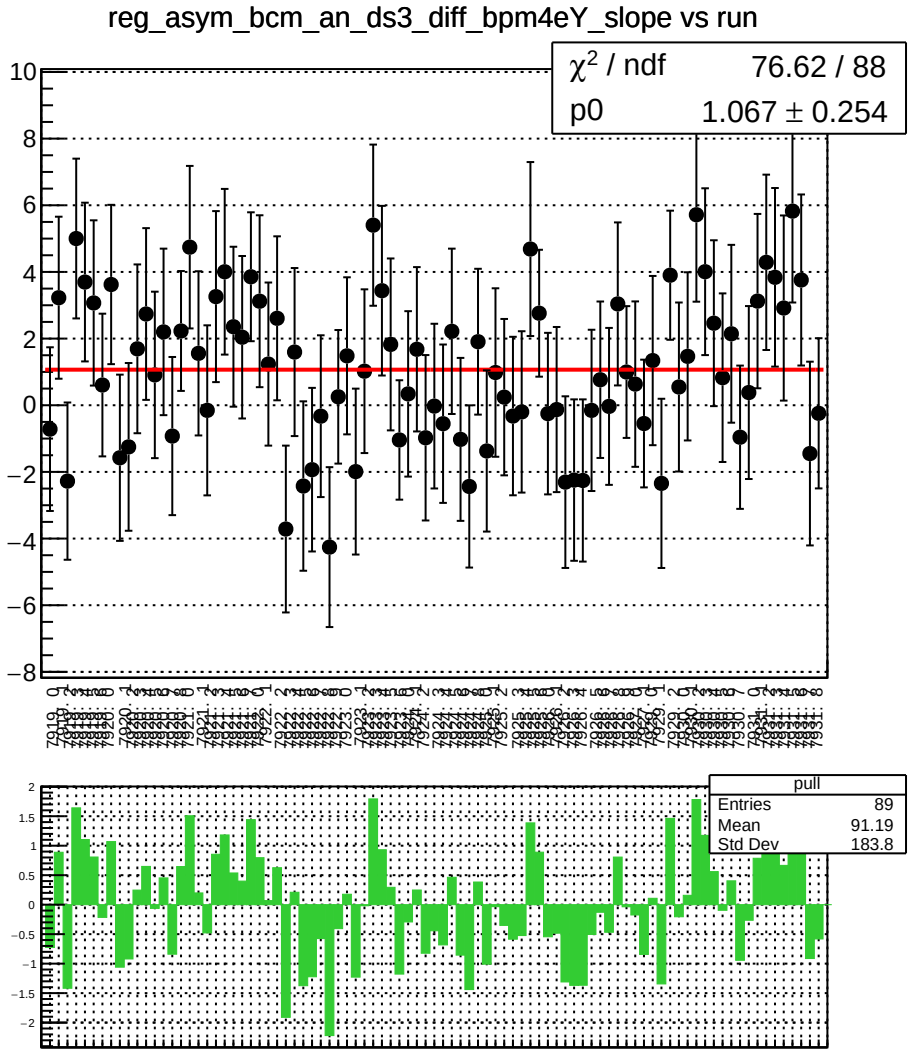

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 124.2 / 88
p0 10.44 ± 0.2143
pull
Entries 89
Mean 355.2
Std Dev 291.9

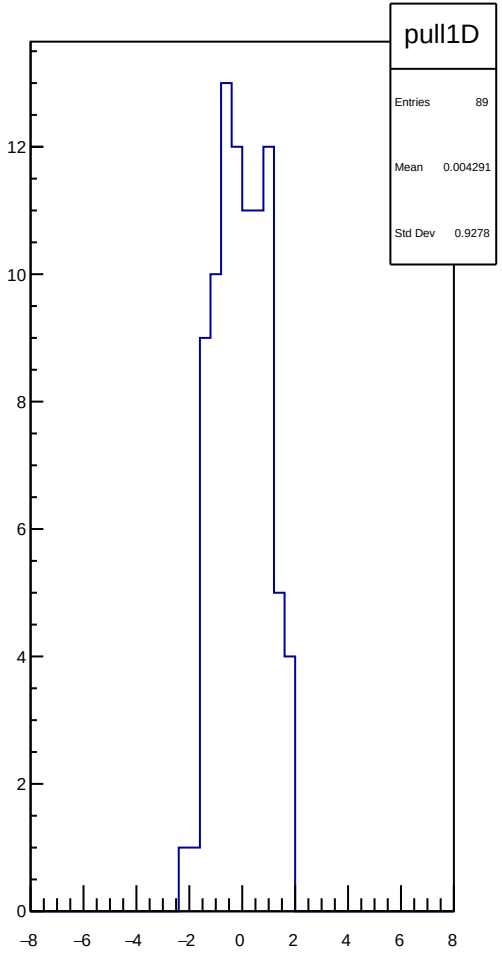

pull1D
Entries 89
Mean 0.02342
Std Dev 1.181

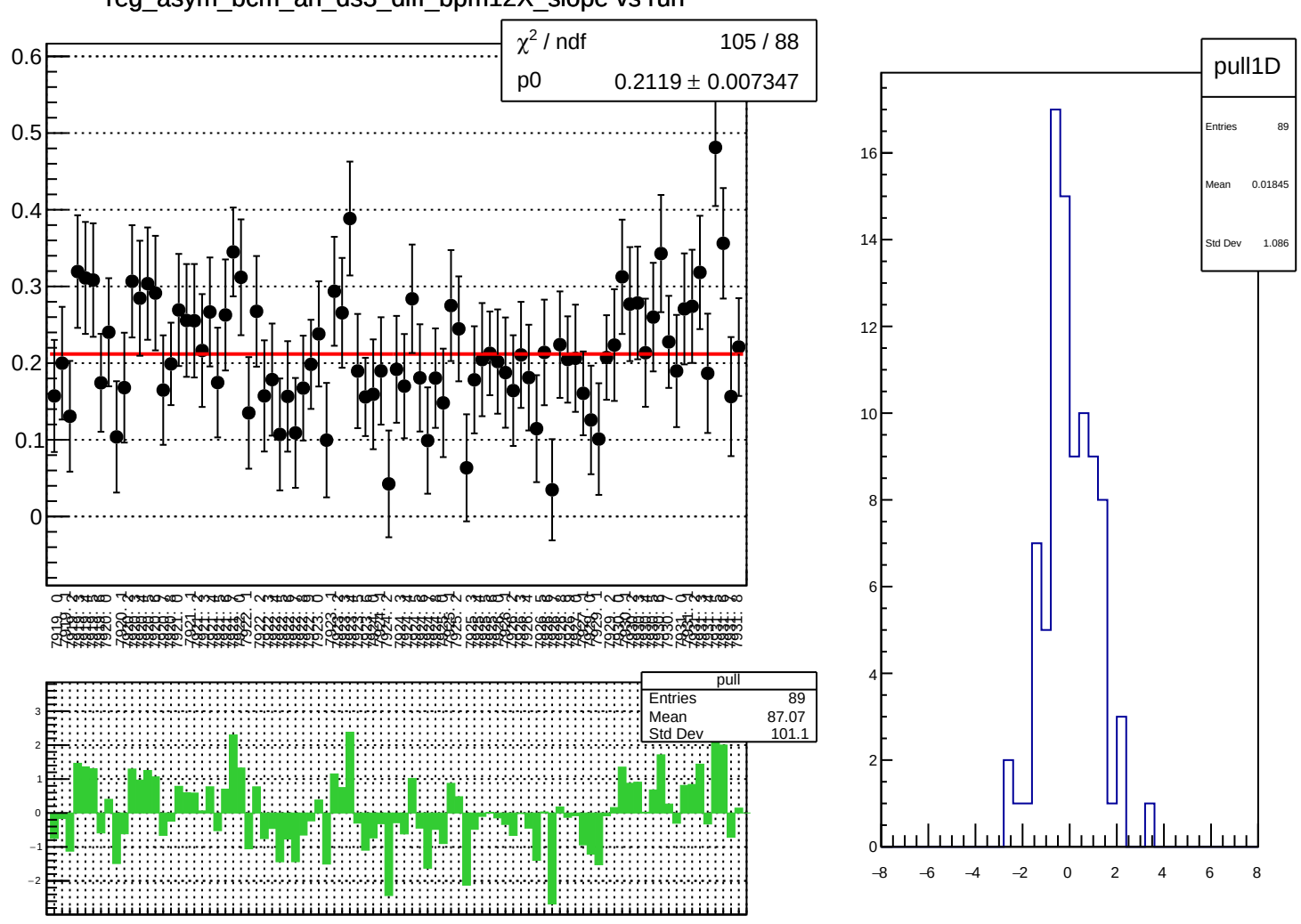

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 78.63 / 88
p0 −1.992 ± 0.221
pull
Entries 89
Mean 128.5
Std Dev 273.8

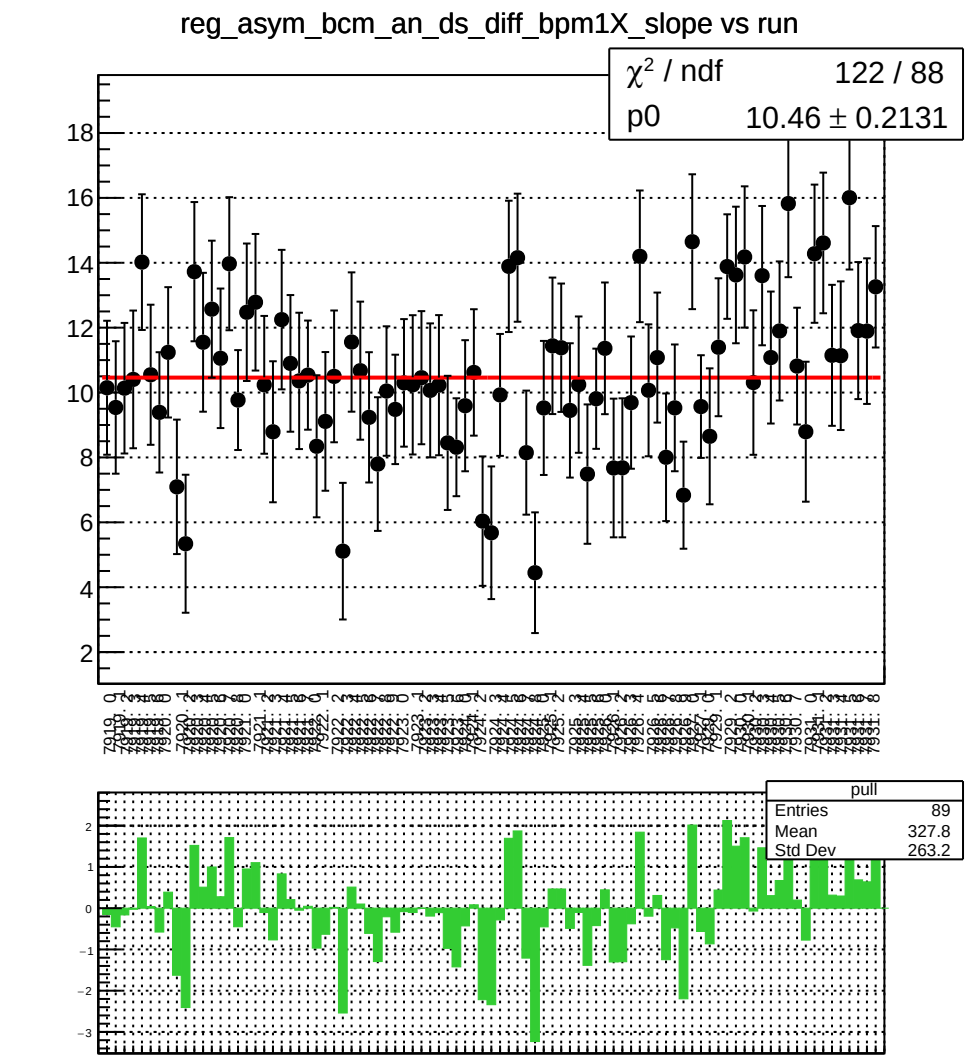

pull1D
Entries 89
Mean −0.001773
Std Dev 0.94

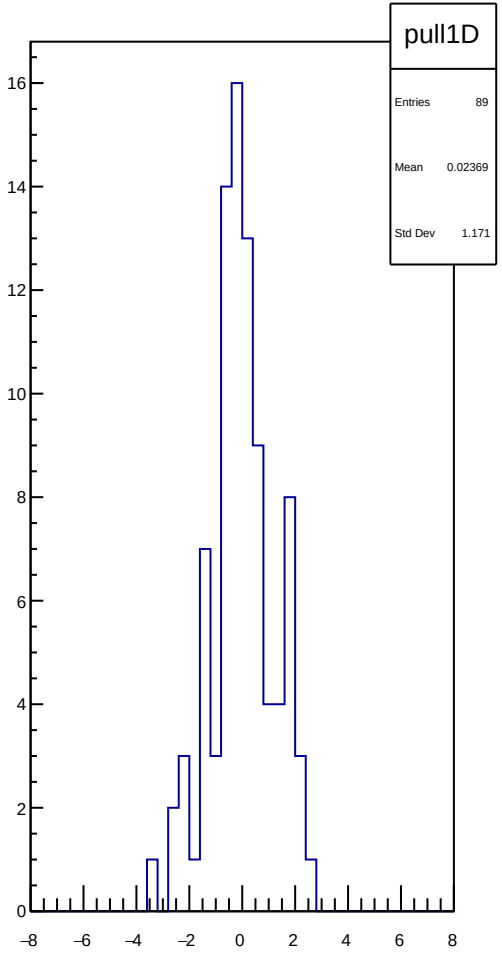

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 124.3 / 88
p0 −9.447 ± 0.1917
pull
Entries 89
Mean 346.2
Std Dev 282.9
pull1D
Entries 89
Mean −0.02367
Std Dev 1.181

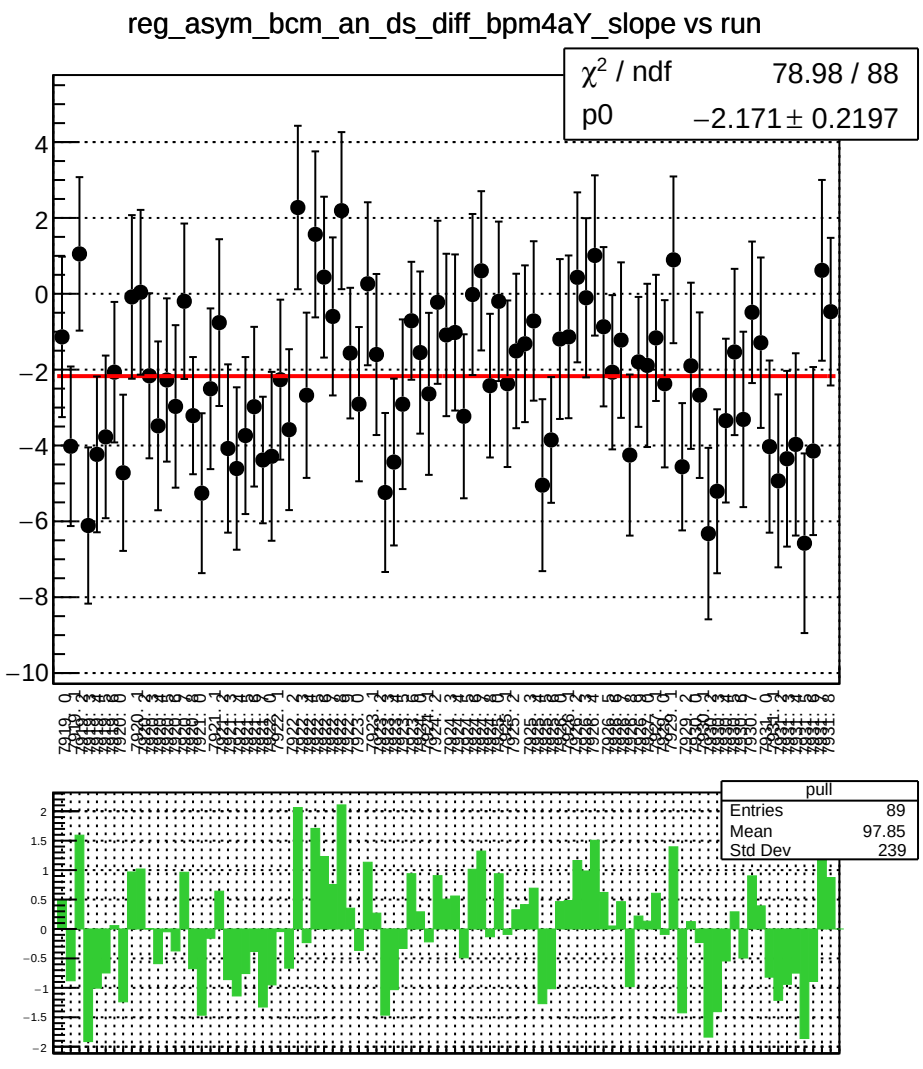

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 76.62 / 88
p0 1.067 ± 0.254
pull
Entries 89
Mean 91.19
Std Dev 183.8

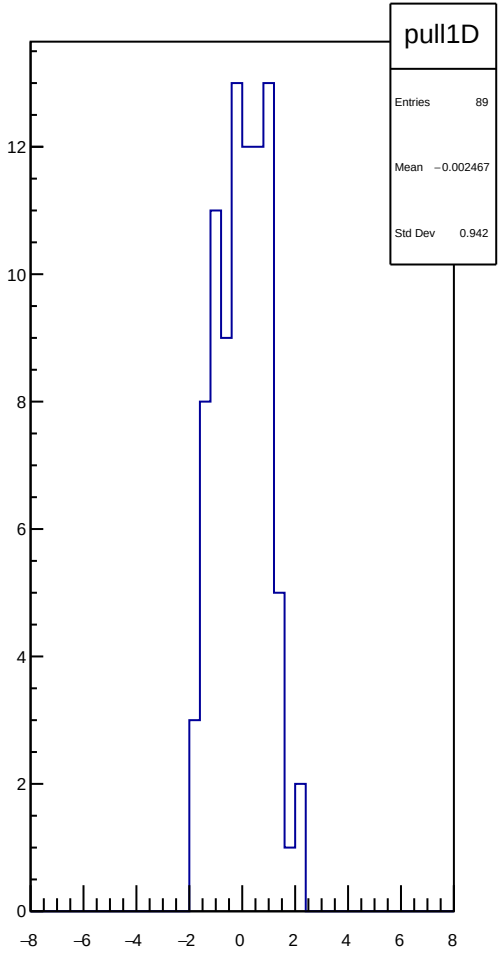

pull1D
Entries 89
Mean 0.004291
Std Dev 0.9278

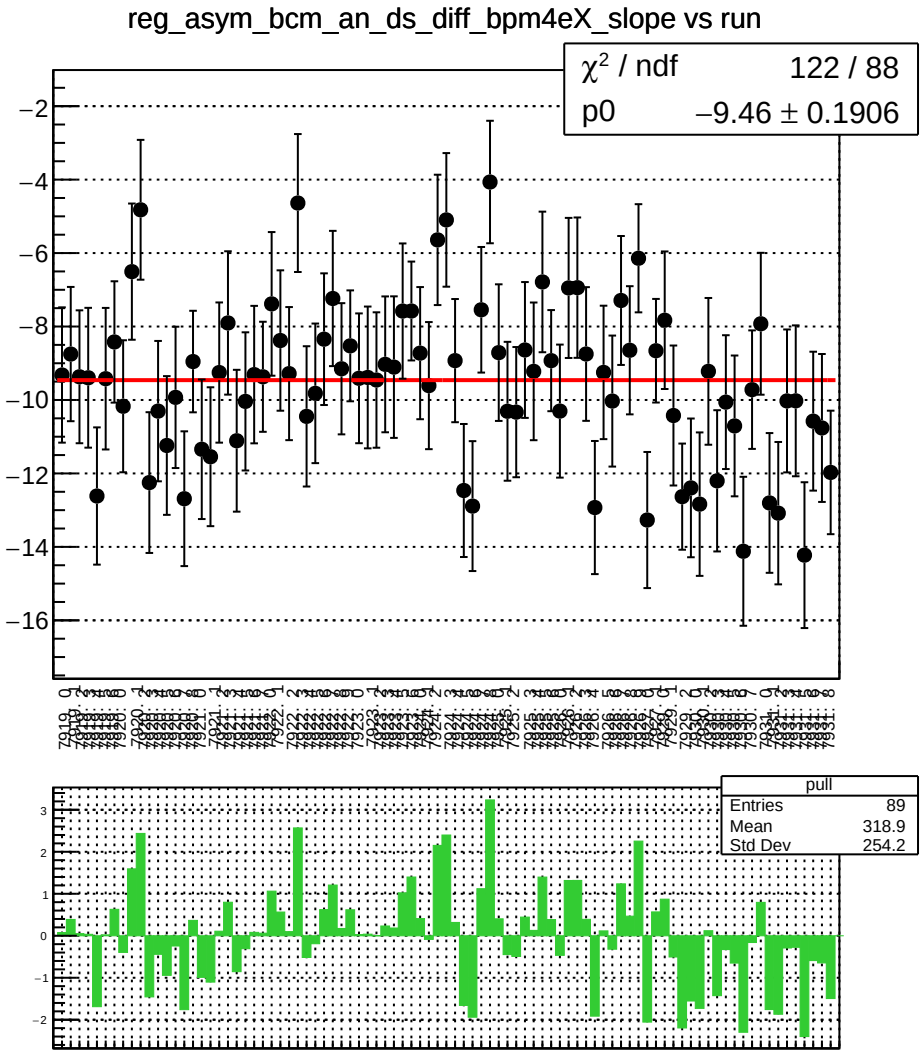

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 105 / 88
p0 0.2119 ± 0.007347
pull
Entries 89
Mean 87.07
Std Dev 101.1
pull1D
Entries 89
Mean 0.01845
Std Dev 1.086

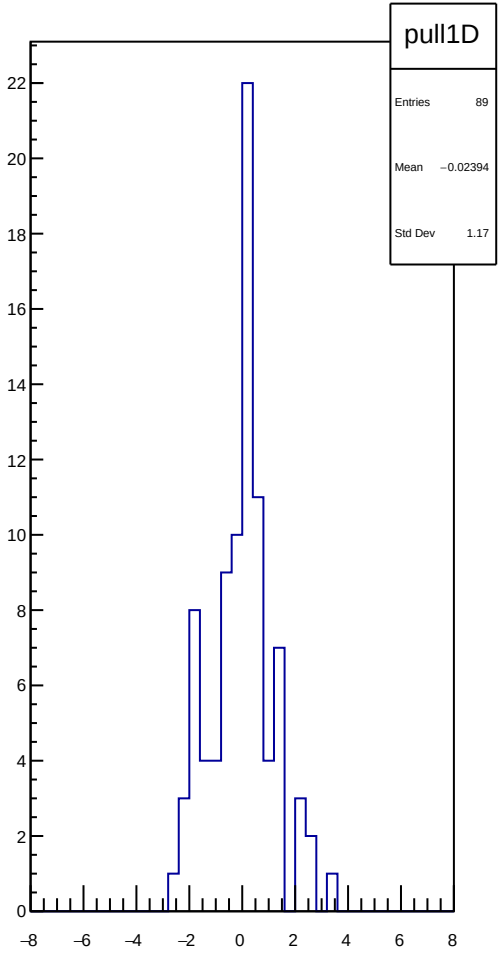

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 122 / 88
p0 10.46 ± 0.2131
pull
Entries 89
Mean 327.8
Std Dev 263.2

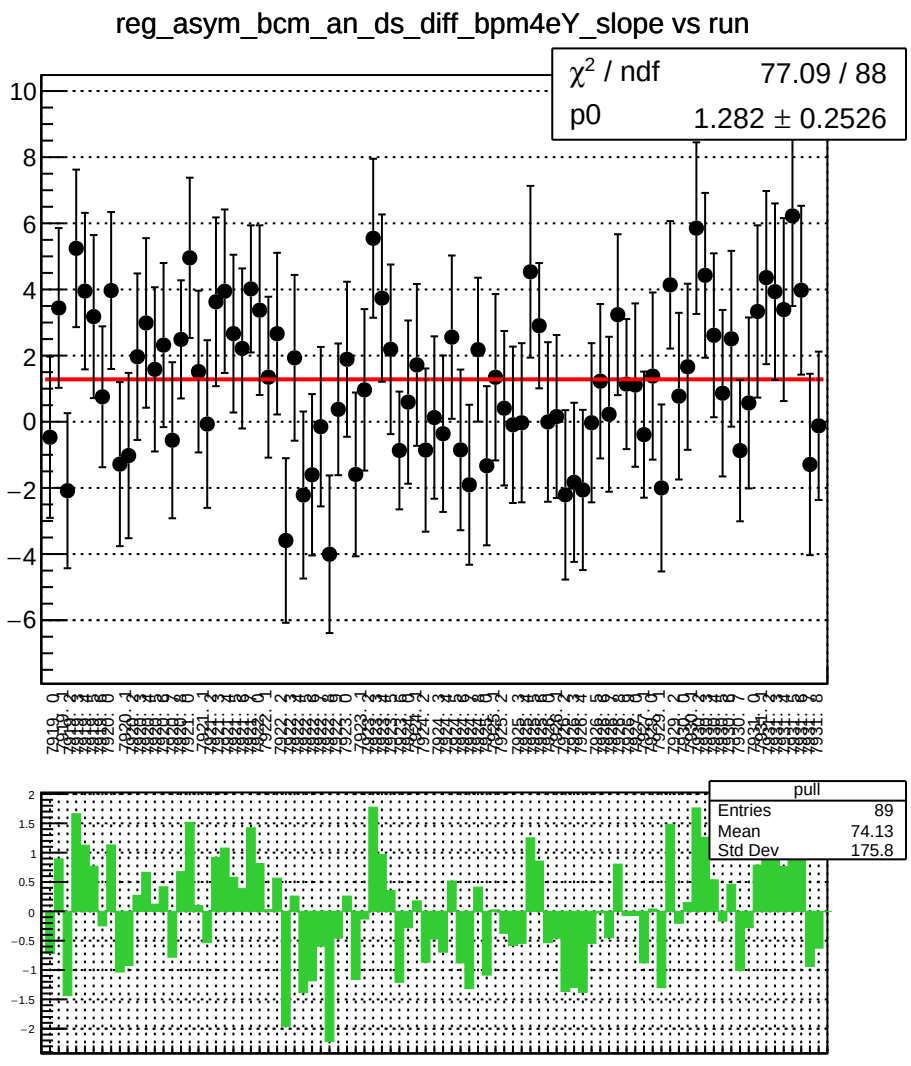

pull1D
Entries 89
Mean 0.02369
Std Dev 1.171

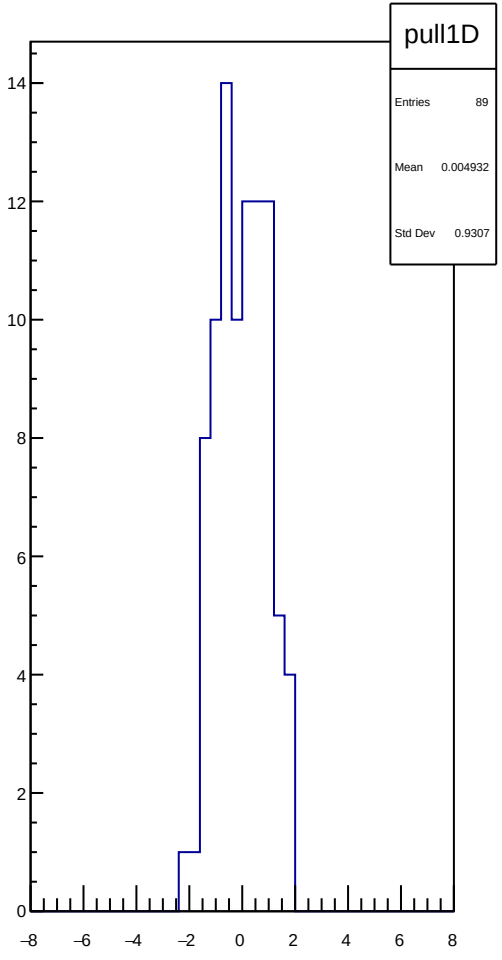

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.98 / 88
p0 −2.171 ± 0.2197
pull
Entries 89
Mean 97.85
Std Dev 239

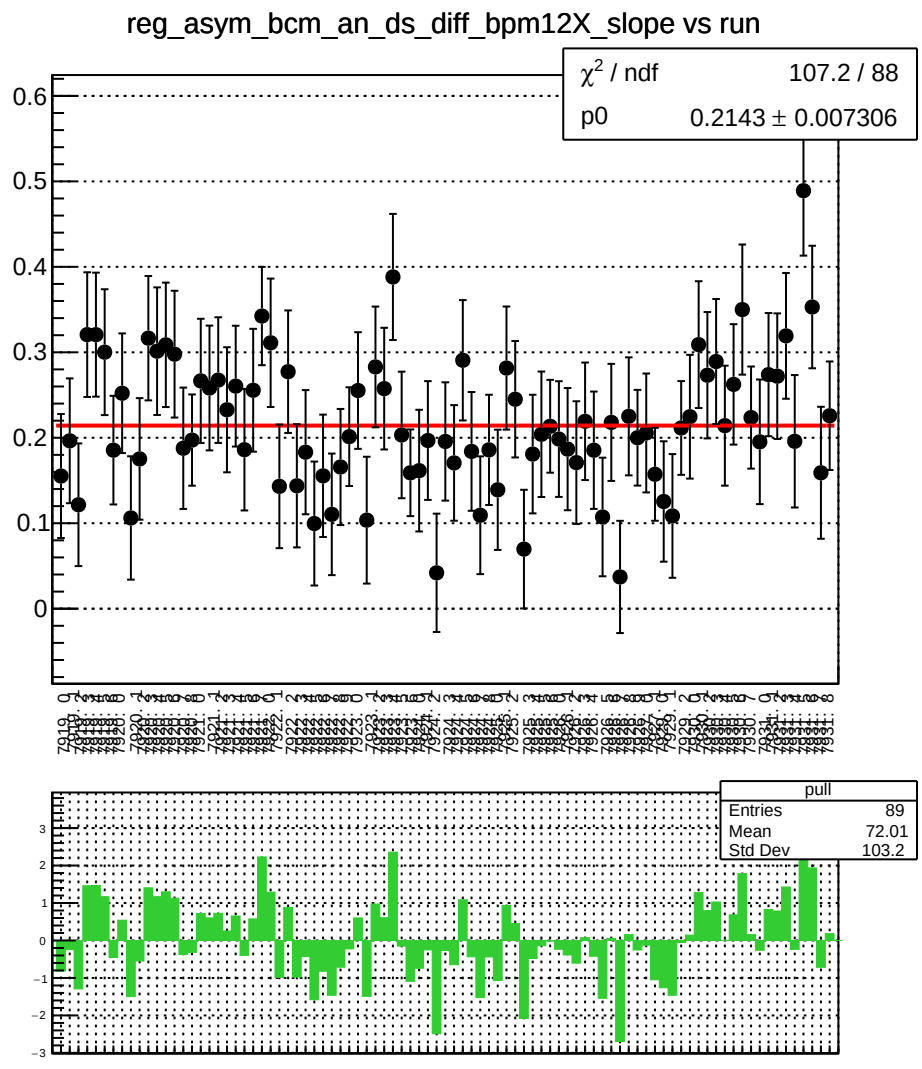

pull1D
Entries 89
Mean −0.002467
Std Dev 0.942

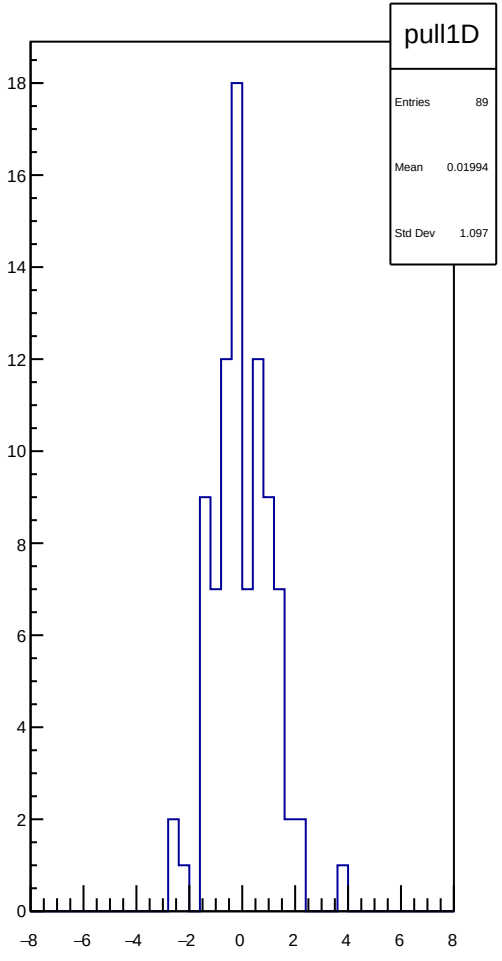

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 122 / 88
p0 −9.46 ± 0.1906
pull
Entries 89
Mean 318.9
Std Dev 254.2

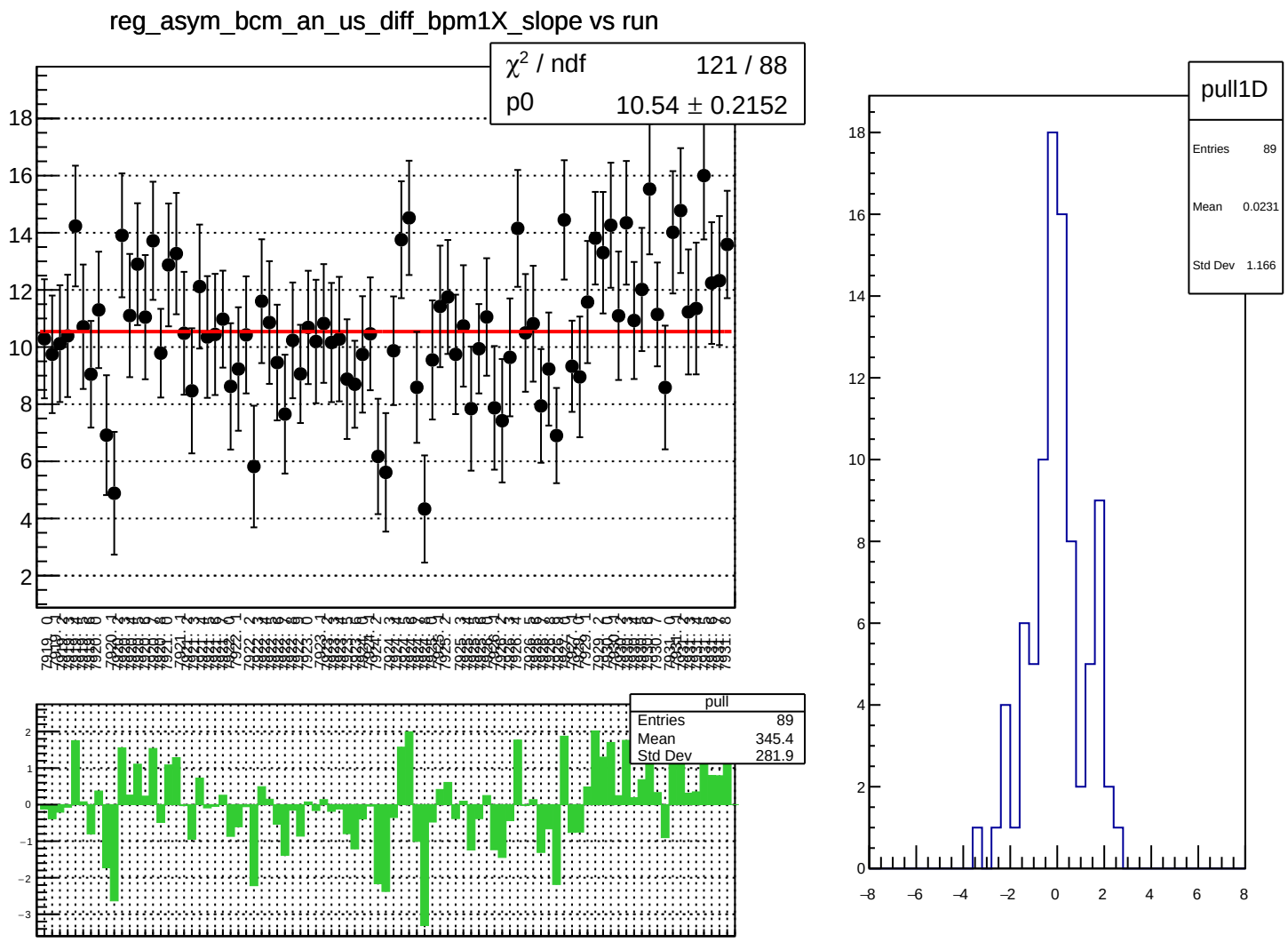

pull1D
Entries 89
Mean −0.02394
Std Dev 1.17

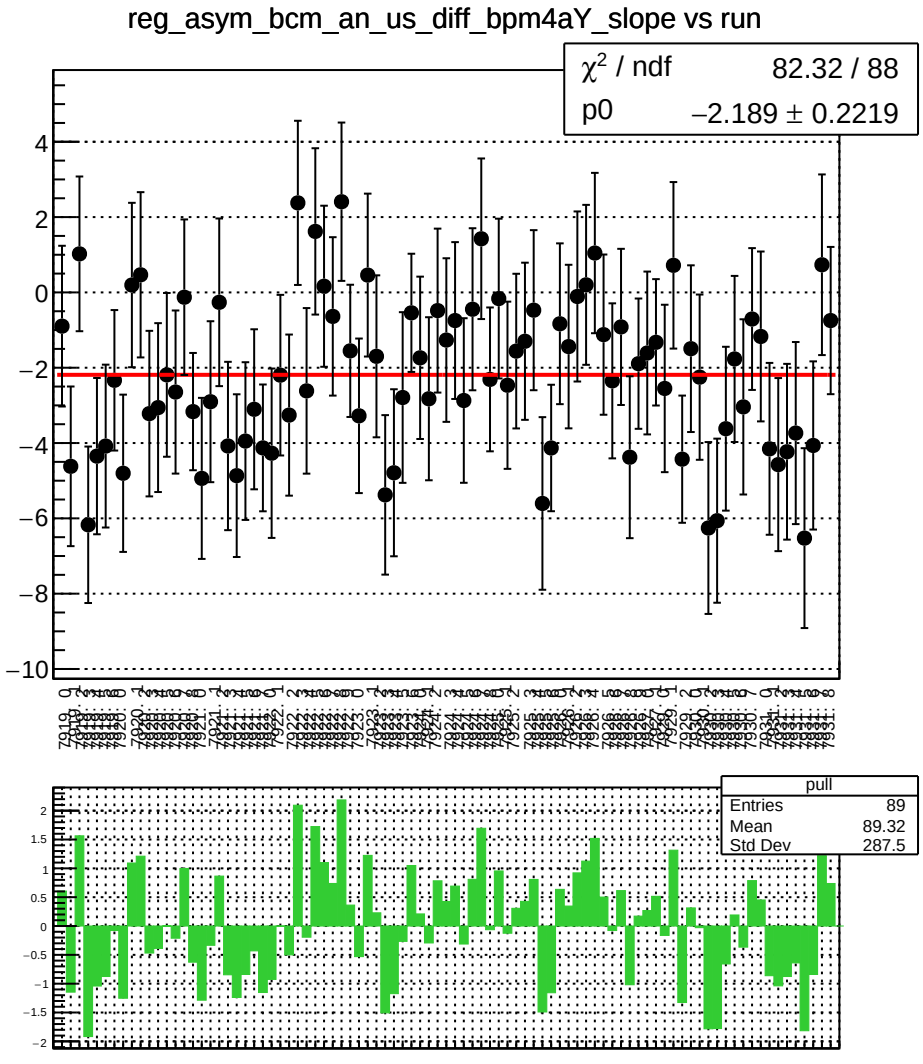

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 77.09 / 88
p0 1.282 ± 0.2526
pull
Entries 89
Mean 74.13
Std Dev 175.8

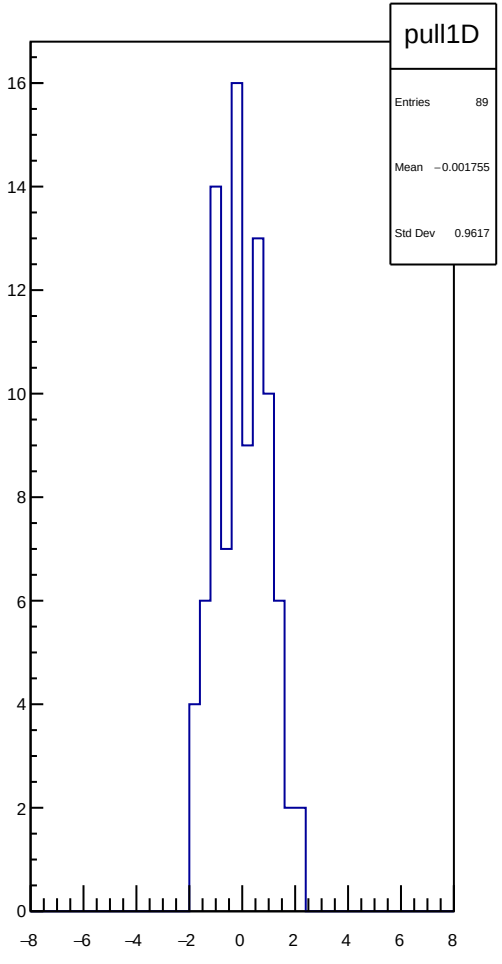

pull1D
Entries 89
Mean 0.004932
Std Dev 0.9307

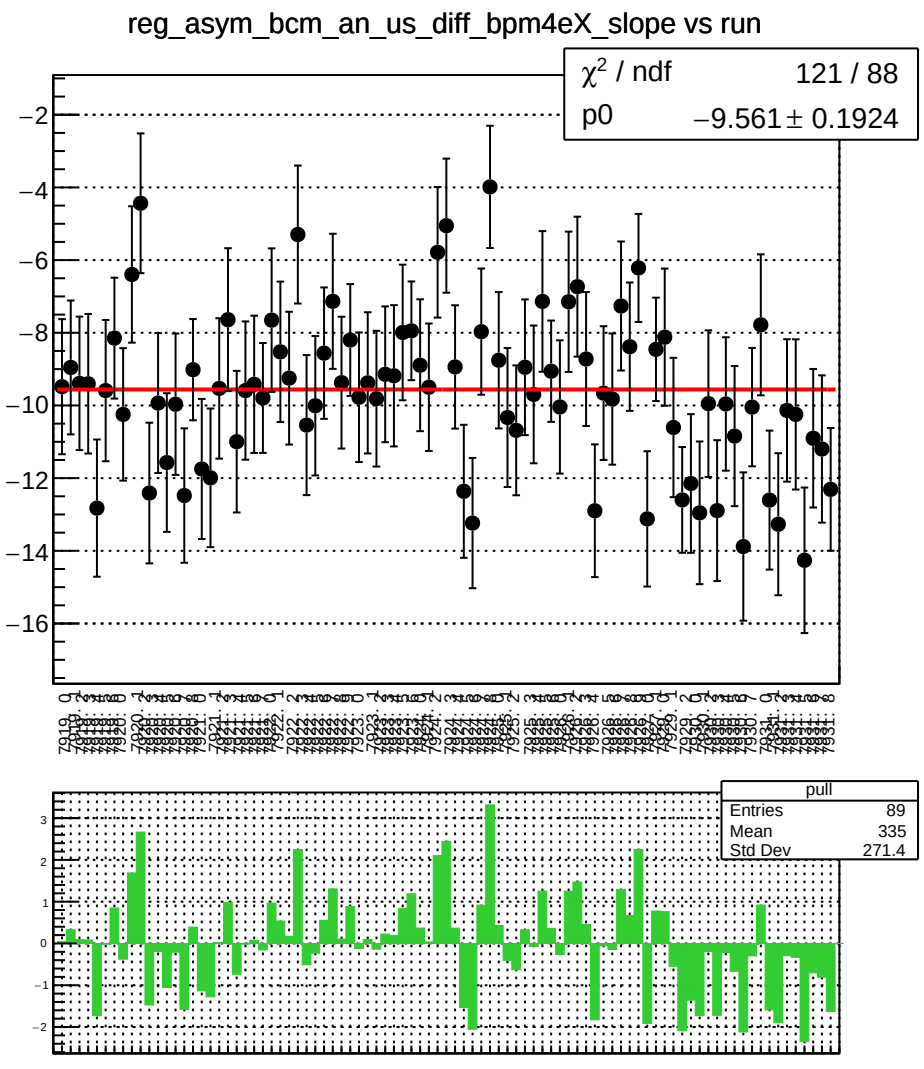

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 107.2 / 88
p0 0.2143 ± 0.007306
pull
Entries 89
Mean 72.01
Std Dev 103.2

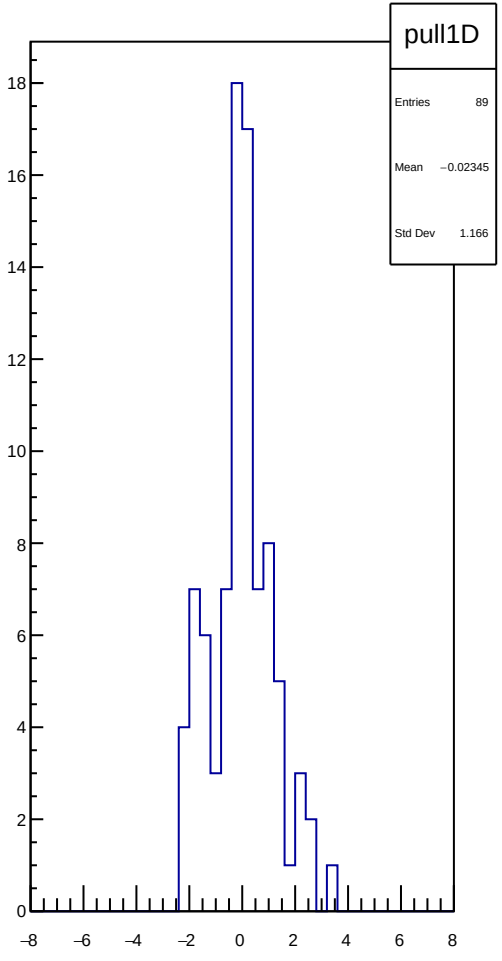

pull1D
Entries 89
Mean 0.01994
Std Dev 1.097

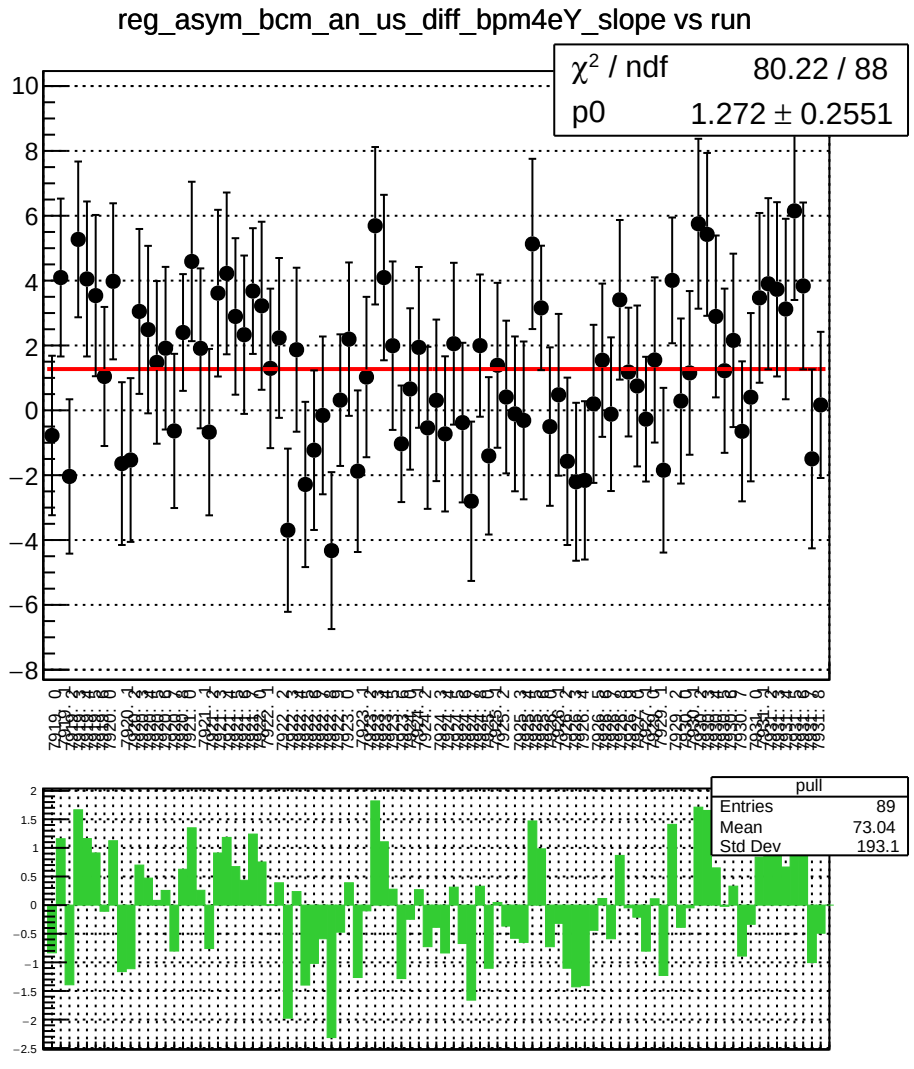

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 121 / 88
p0 10.54 ± 0.2152
pull
Entries 89
Mean 345.4
Std Dev 281.9
pull1D
Entries 89
Mean 0.0231
Std Dev 1.166

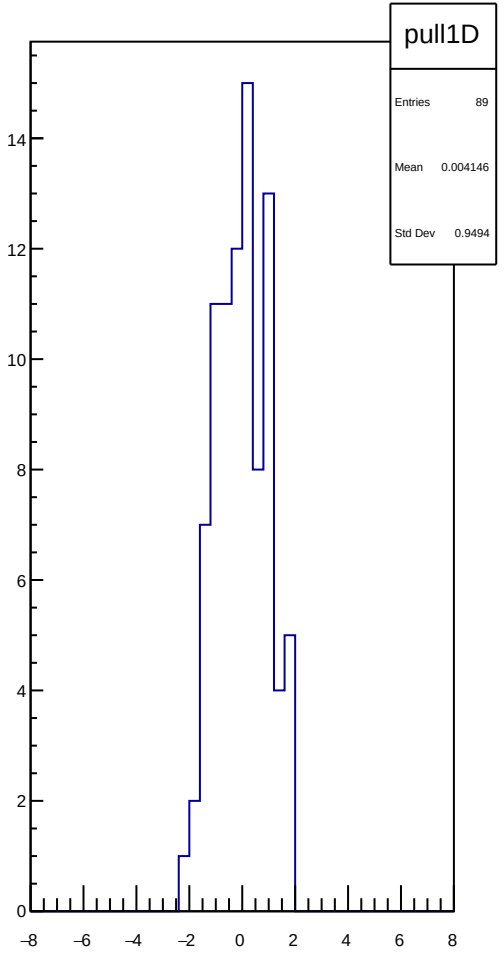

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 82.32 / 88
p0 −2.189 ± 0.2219
pull
Entries 89
Mean 89.32
Std Dev 287.5

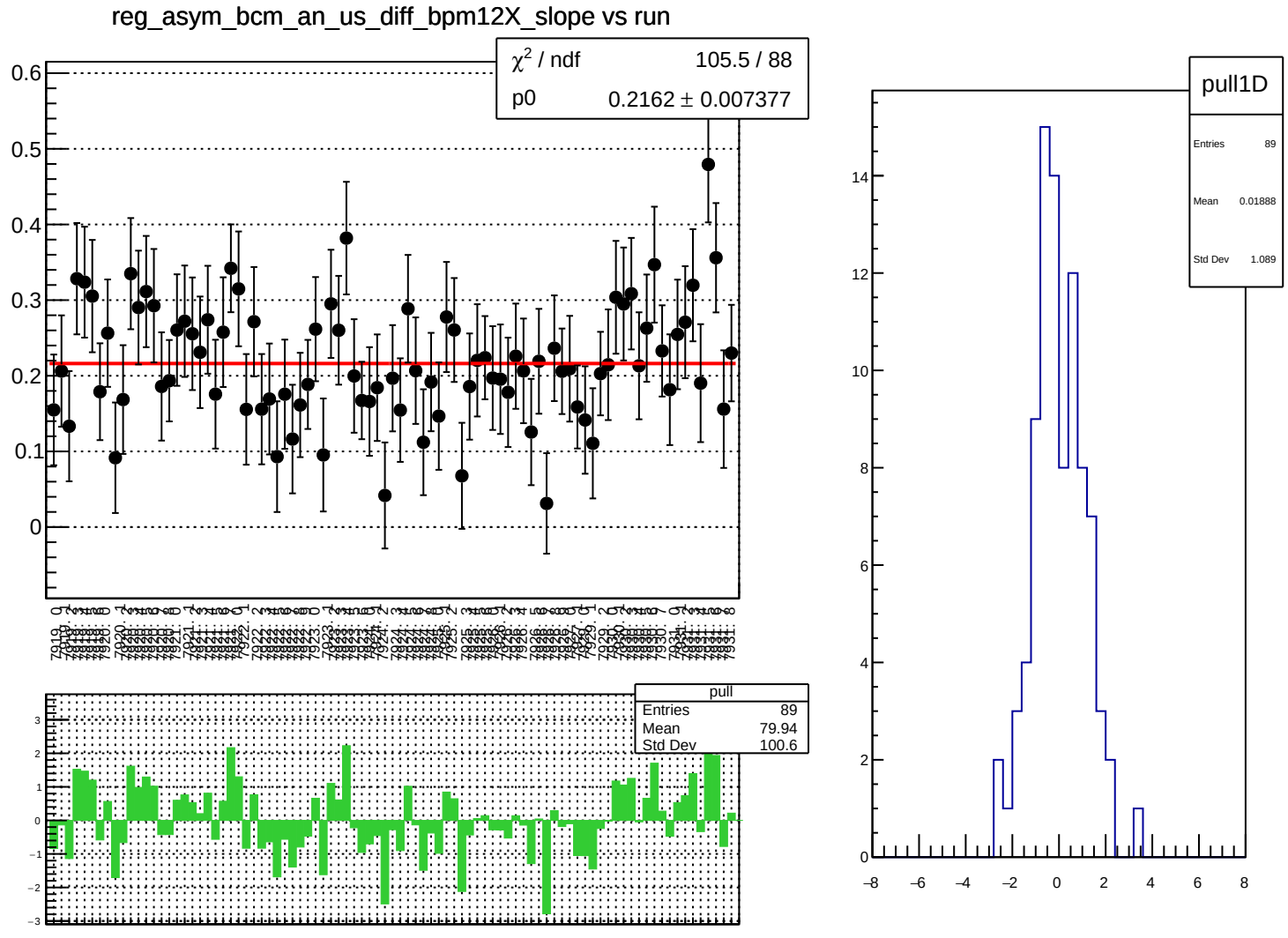

pull1D
Entries 89
Mean −0.001755
Std Dev 0.9617

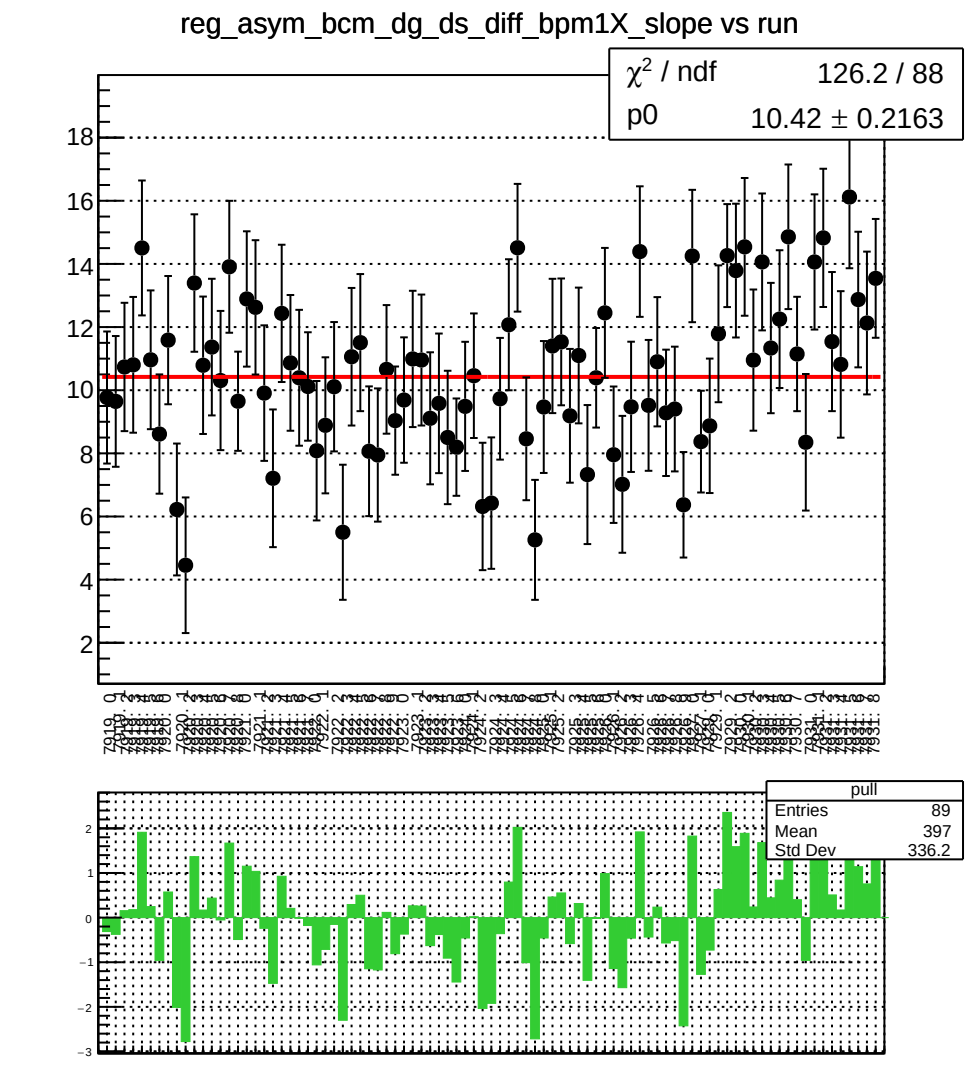

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 121 / 88
p0 −9.561 ± 0.1924
pull
Entries 89
Mean 335
Std Dev 271.4

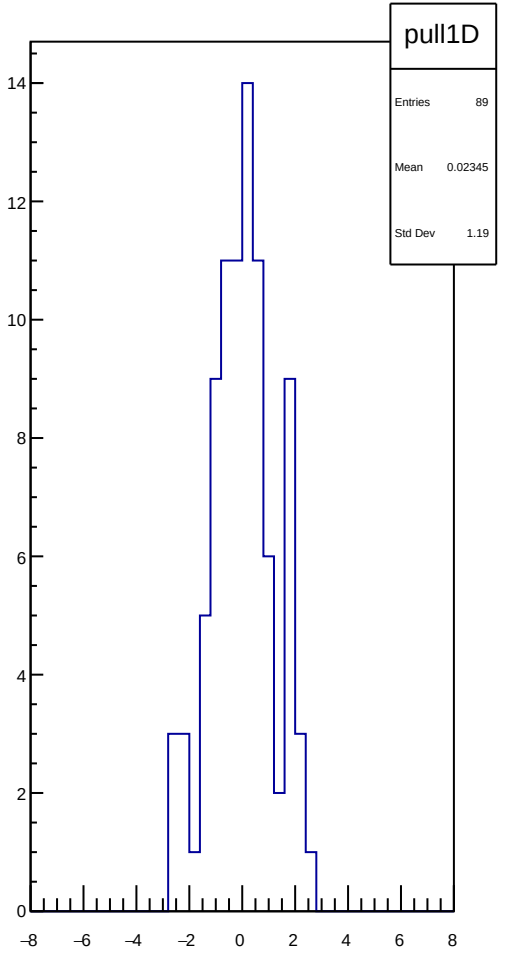

pull1D
Entries 89
Mean −0.02345
Std Dev 1.166

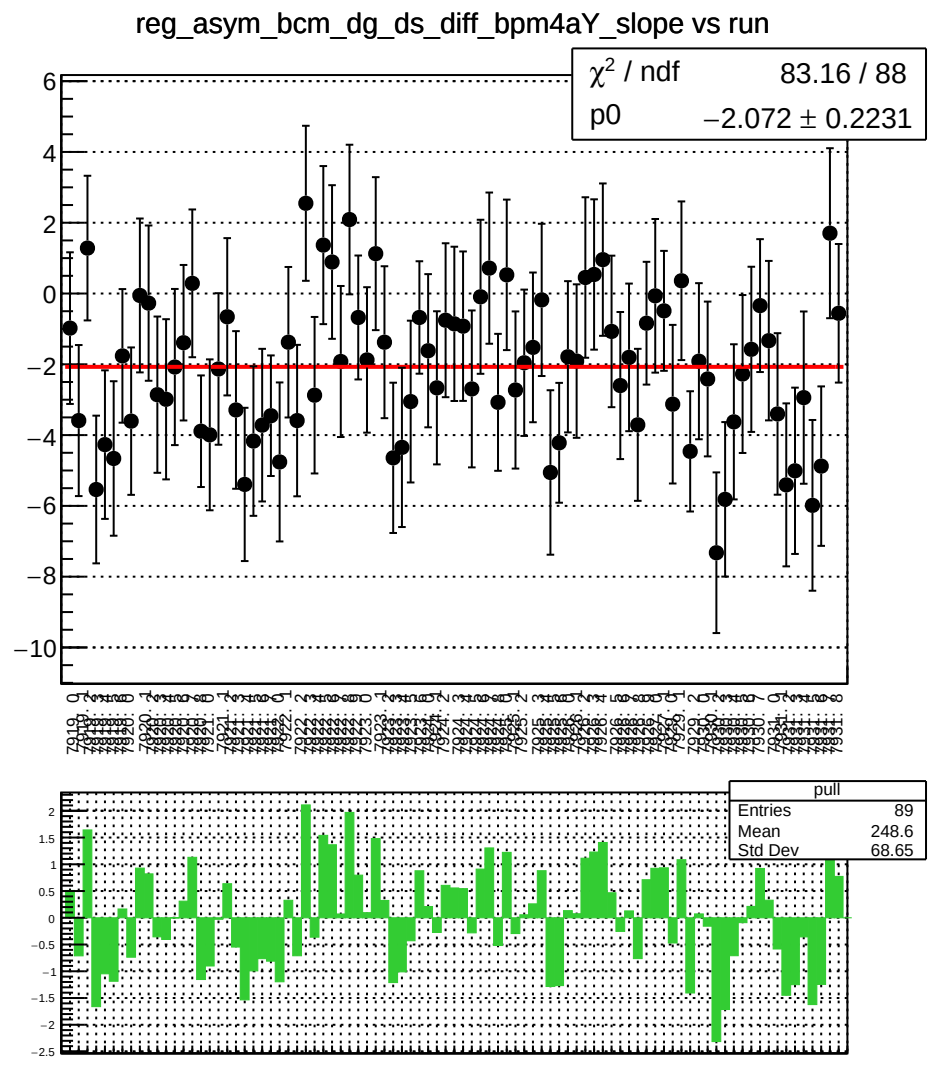

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 80.22 / 88
p0 1.272 ± 0.2551
pull
Entries 89
Mean 73.04
Std Dev 193.1

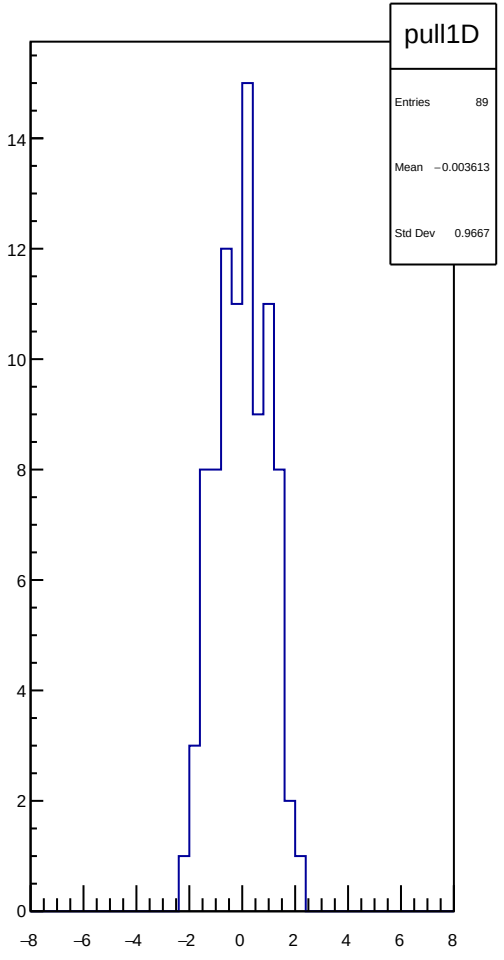

pull1D
Entries 89
Mean 0.004146
Std Dev 0.9494

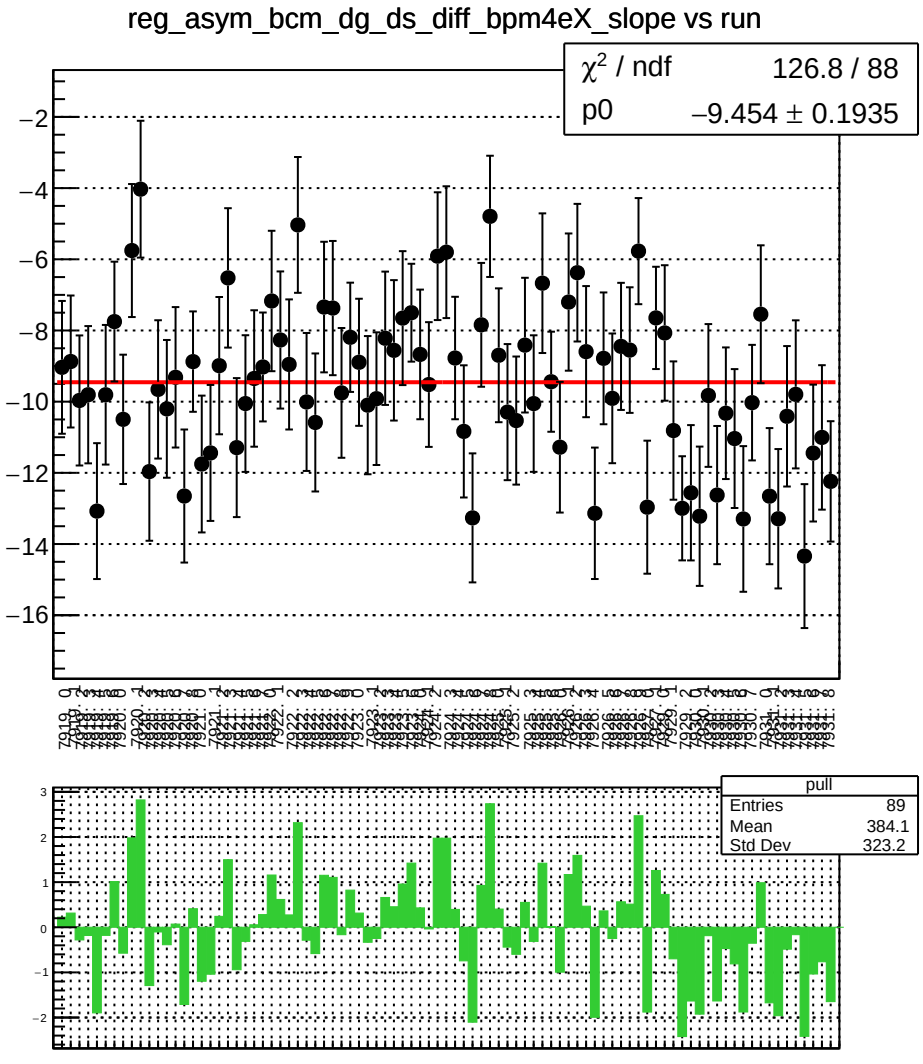

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 105.5 / 88
p0 0.2162 ± 0.007377
pull
Entries 89
Mean 79.94
Std Dev 100.6
pull1D
Entries 89
Mean 0.01888
Std Dev 1.089

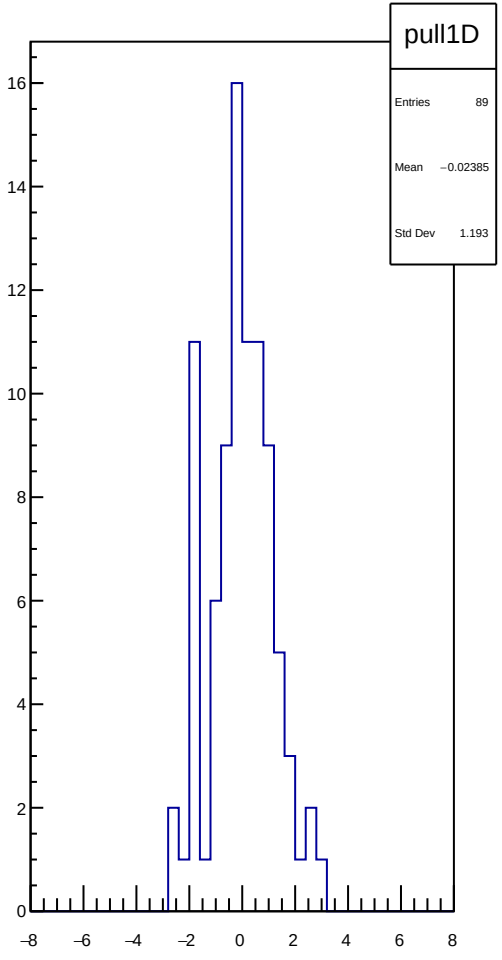

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 126.2 / 88
p0 10.42 ± 0.2163
pull
Entries 89
Mean 397
Std Dev 336.2

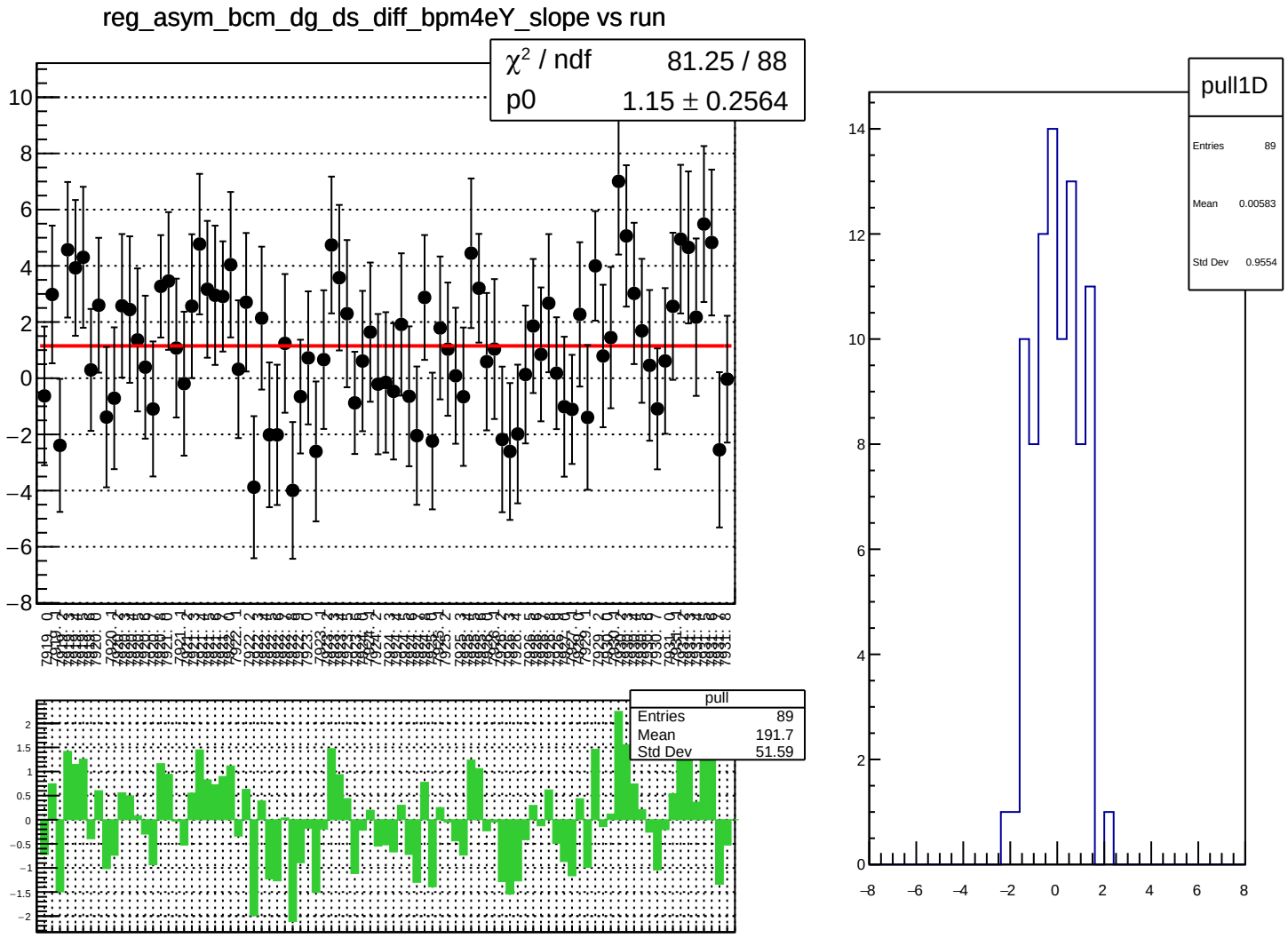

pull1D
Entries 89
Mean 0.02345
Std Dev 1.19

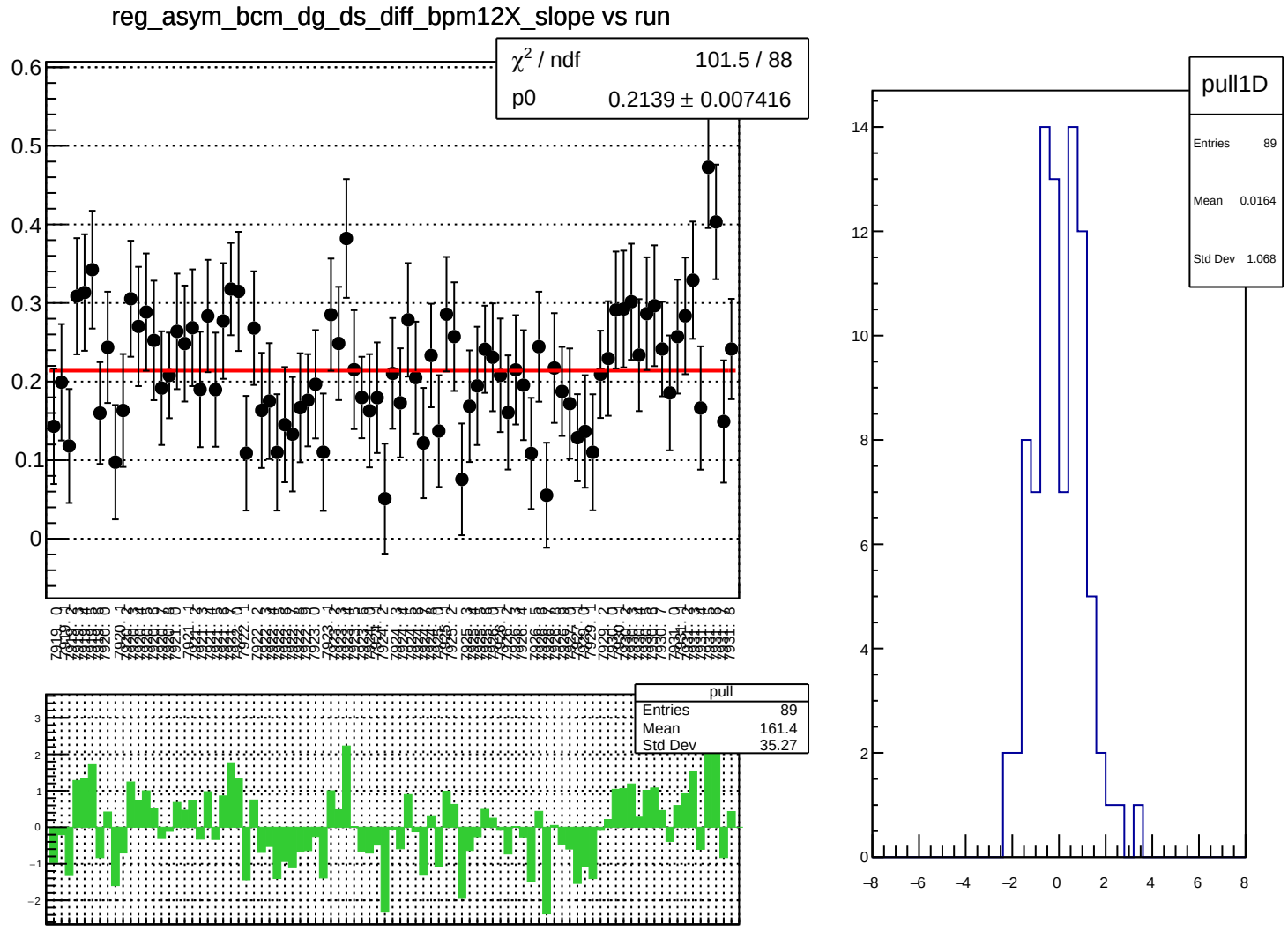

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 83.16 / 88
p0 −2.072 ± 0.2231
pull
Entries 89
Mean 248.6
Std Dev 68.65

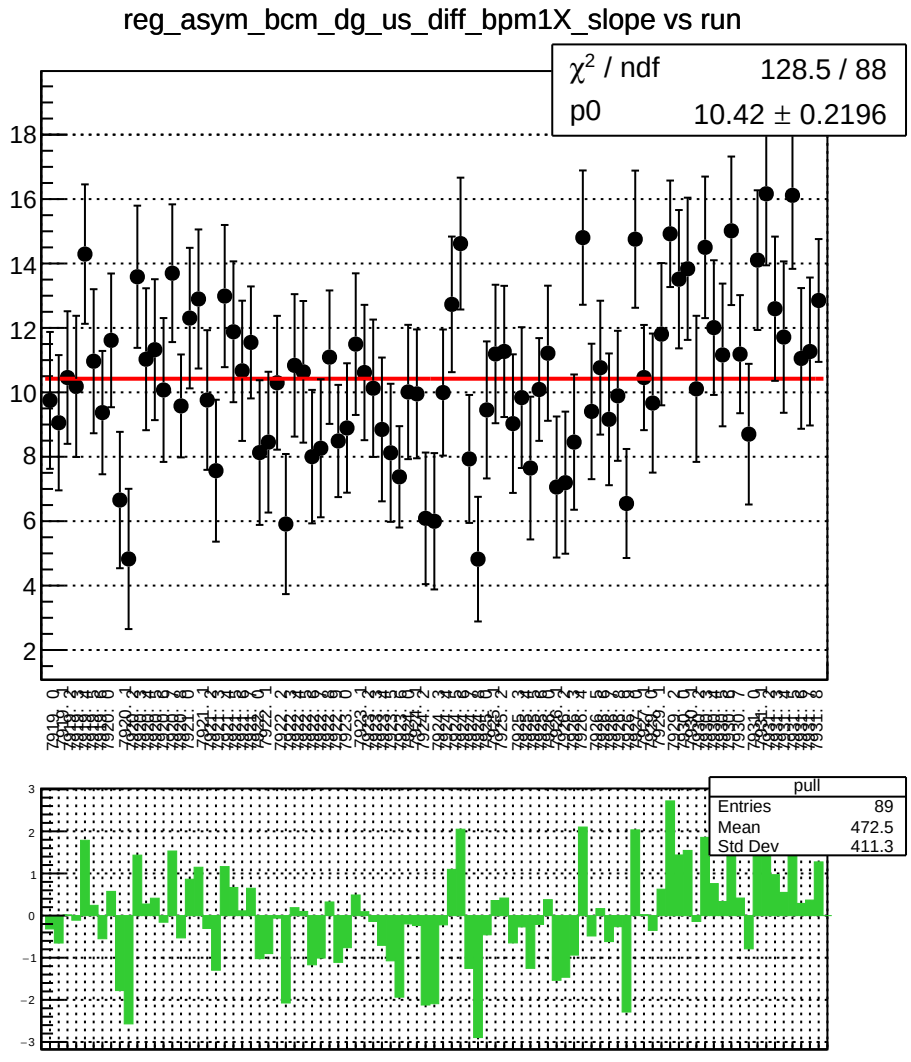

pull1D
Entries 89
Mean −0.003613
Std Dev 0.9667

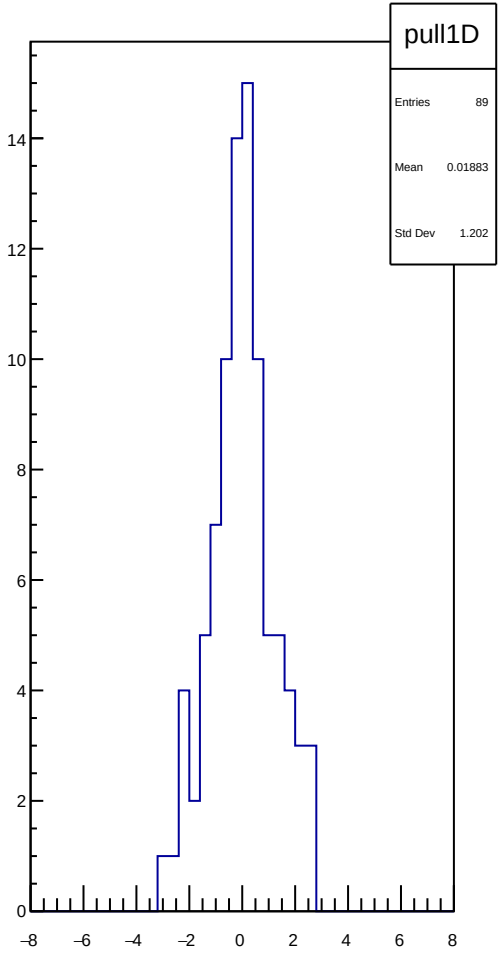

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 126.8 / 88
p0 −9.454 ± 0.1935
pull
Entries 89
Mean 384.1
Std Dev 323.2

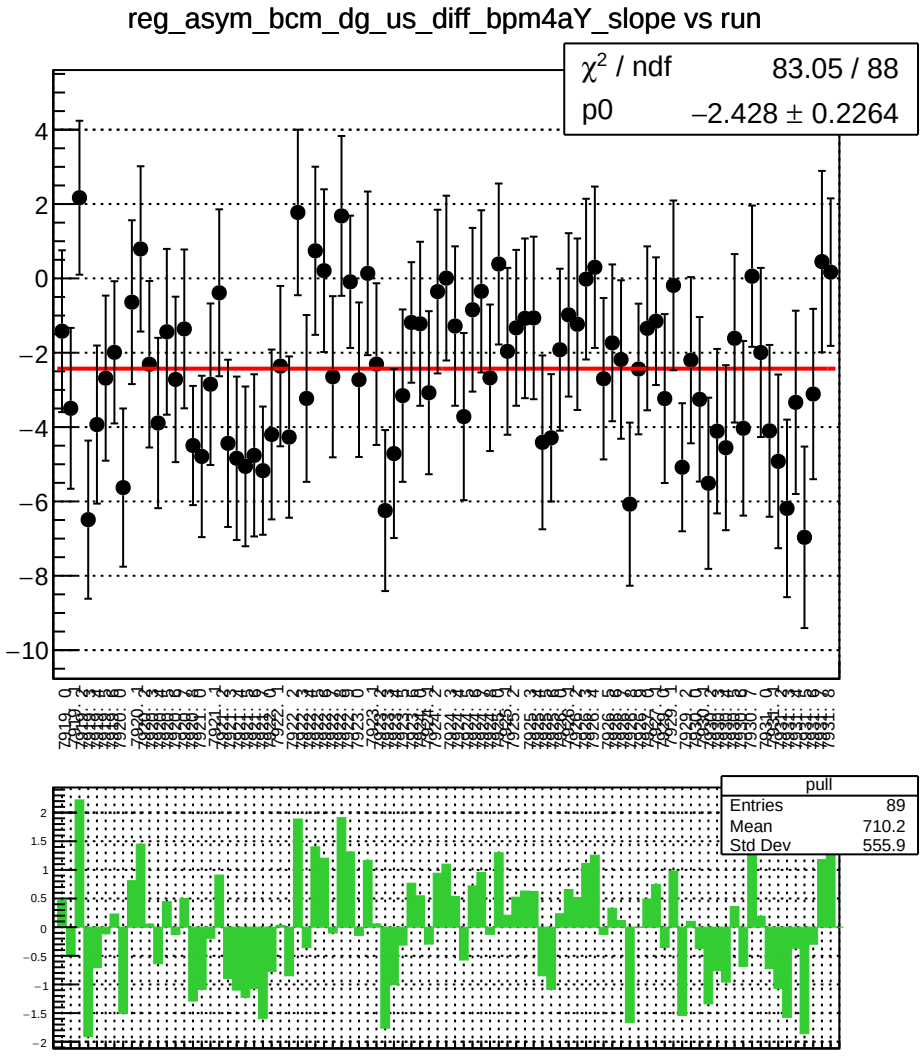

pull1D
Entries 89
Mean −0.02385
Std Dev 1.193

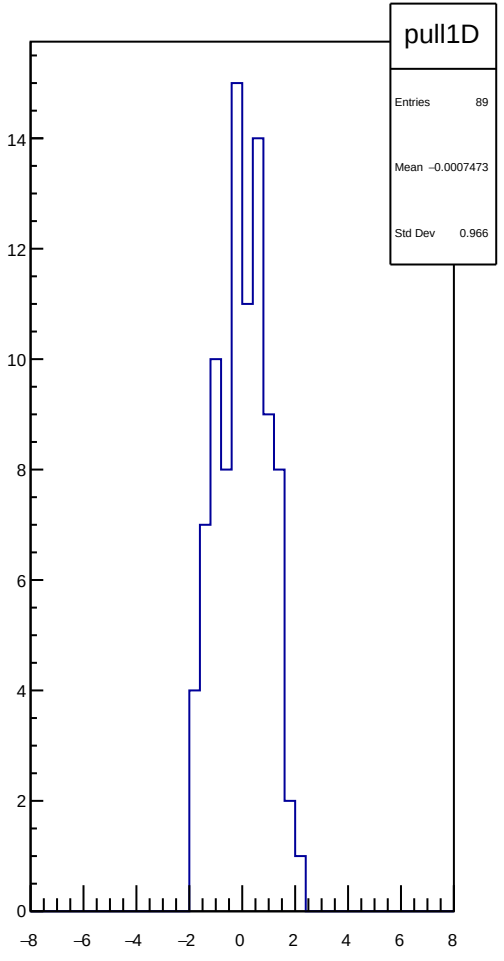

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 81.25 / 88
p0 1.15 ± 0.2564
pull
Entries 89
Mean 191.7
Std Dev 51.59
pull1D
Entries 89
Mean 0.00583
Std Dev 0.9554

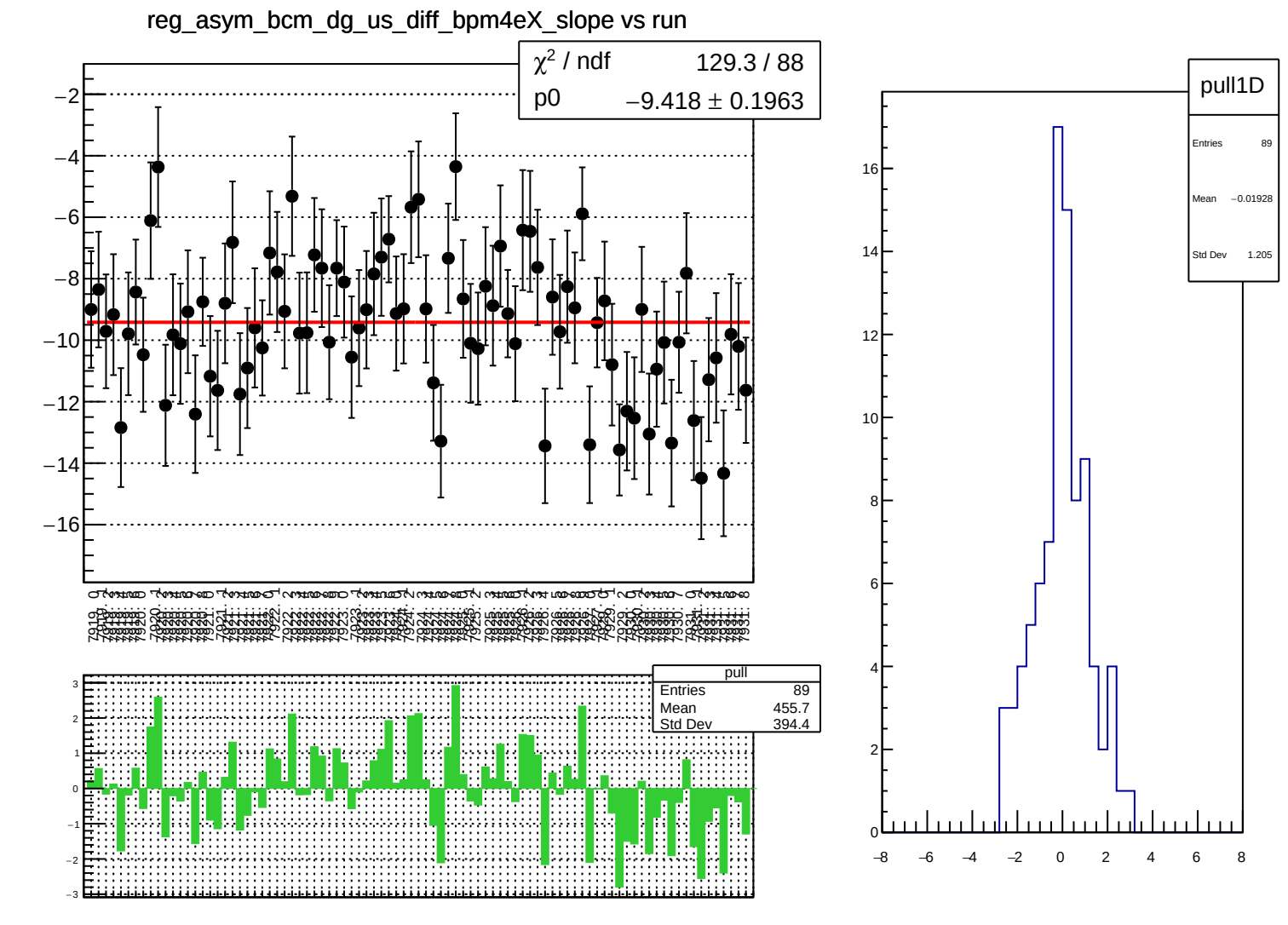

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 101.5 / 88
p0 0.2139 ± 0.007416
pull
Entries 89
Mean 161.4
Std Dev 35.27
pull1D
Entries 89
Mean 0.0164
Std Dev 1.068

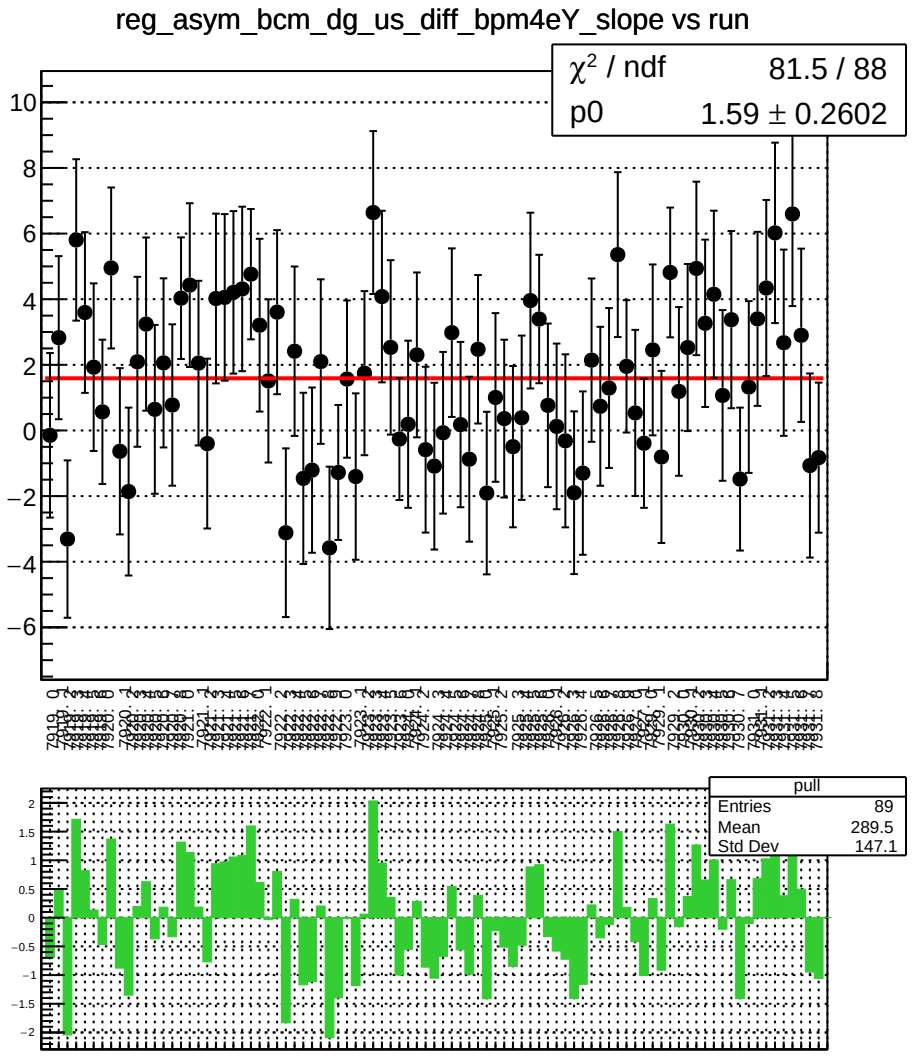

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 128.5 / 88
p0 10.42 ± 0.2196
pull
Entries 89
Mean 472.5
Std Dev 411.3

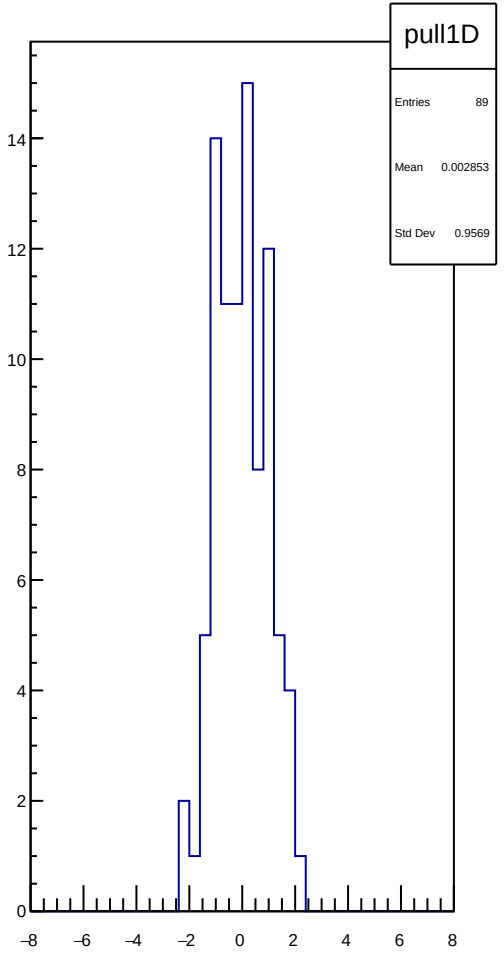

pull1D
Entries 89
Mean 0.01883
Std Dev 1.202

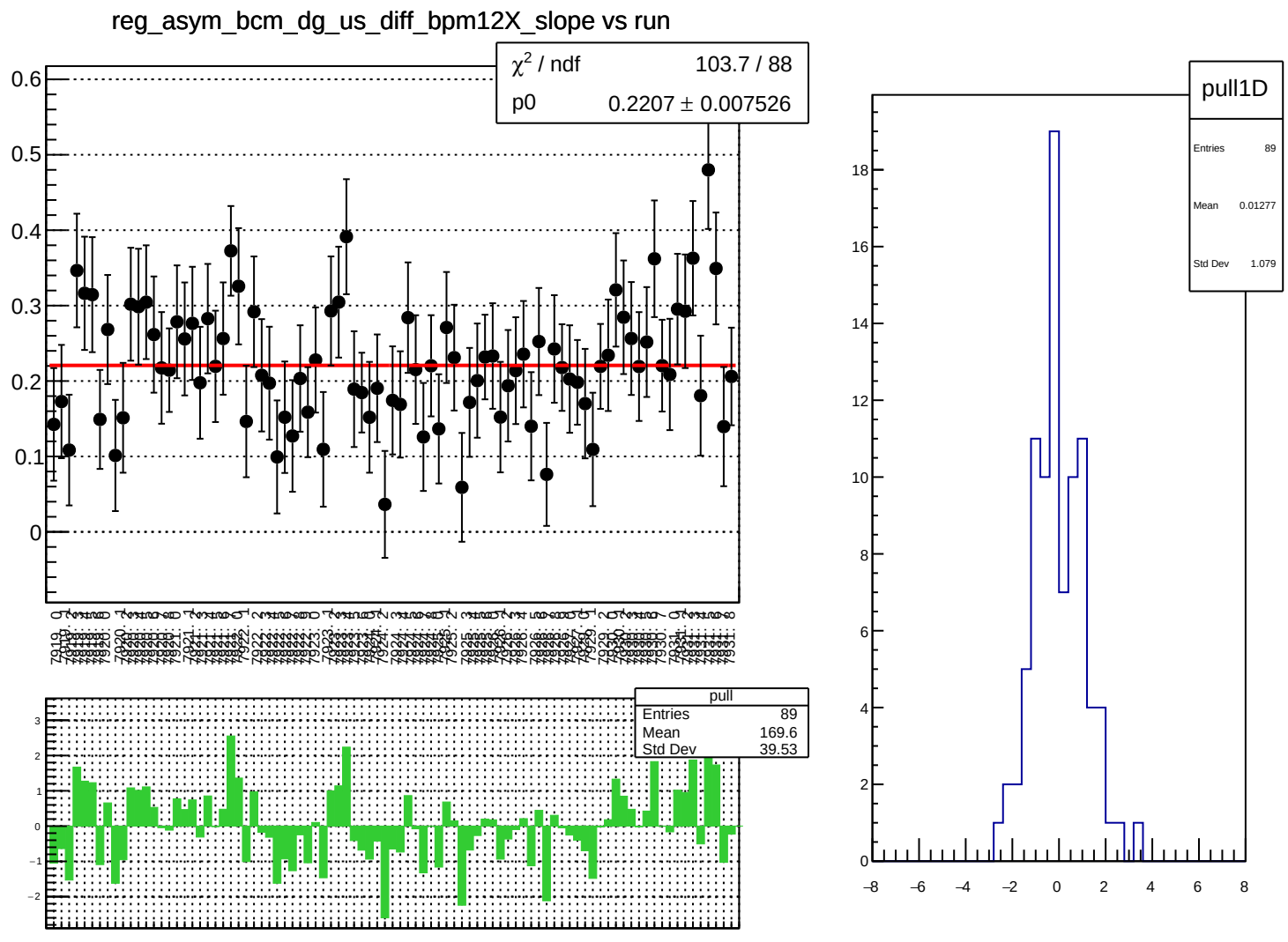

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 83.05 / 88
p0 −2.428 ± 0.2264
pull
Entries 89
Mean 710.2
Std Dev 555.9


pull1D
Entries 89
Mean −0.0007473
Std Dev 0.966


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 129.3 / 88
p0 −9.418 ± 0.1963
pull
Entries 89
Mean 455.7
Std Dev 394.4
pull1D
Entries 89
Mean −0.01928
Std Dev 1.205


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 81.5 / 88
p0 1.59 ± 0.2602
pull
Entries 89
Mean 289.5
Std Dev 147.1


pull1D
Entries 89
Mean 0.002853
Std Dev 0.9569


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 103.7 / 88
p0 0.2207 ± 0.007526
pull
Entries 89
Mean 169.6
Std Dev 39.53
pull1D
Entries 89
Mean 0.01277
Std Dev 1.079