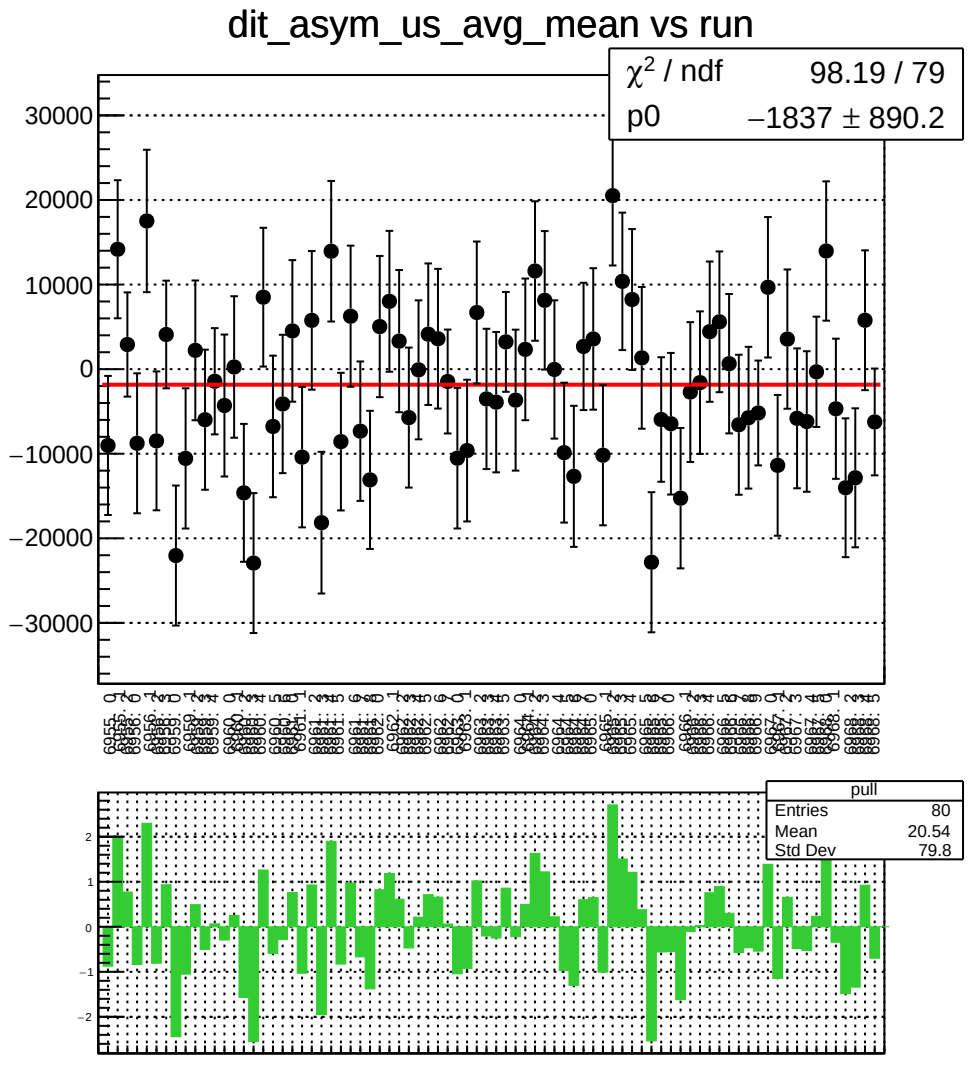
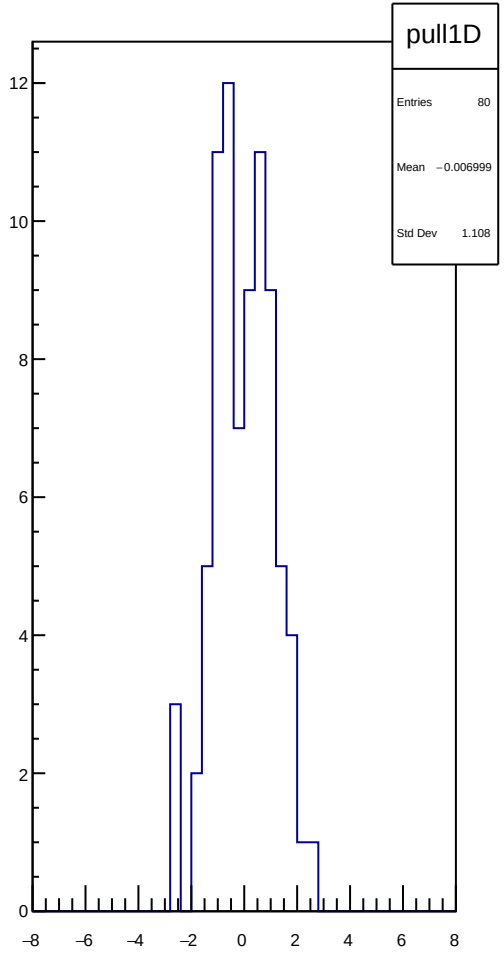
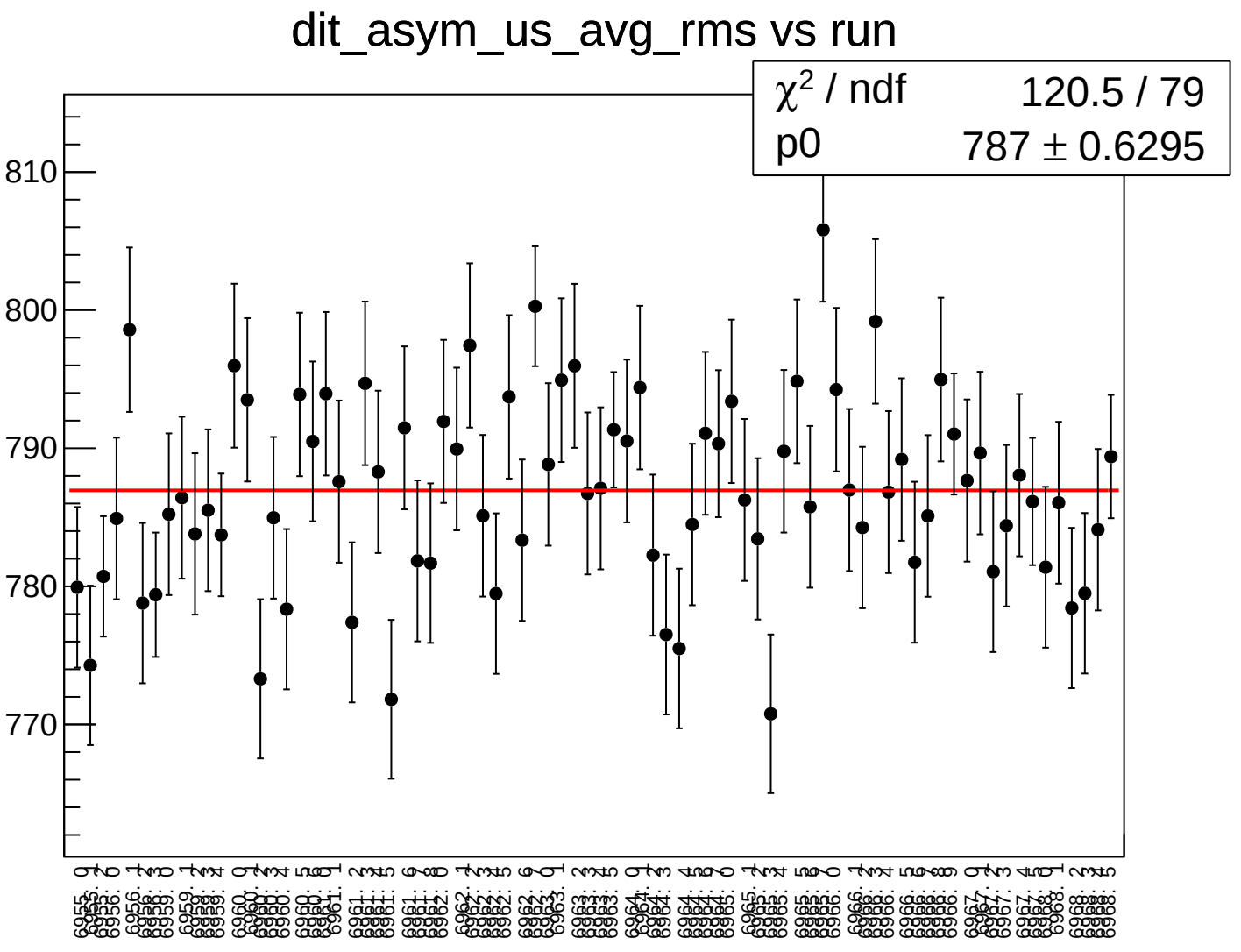
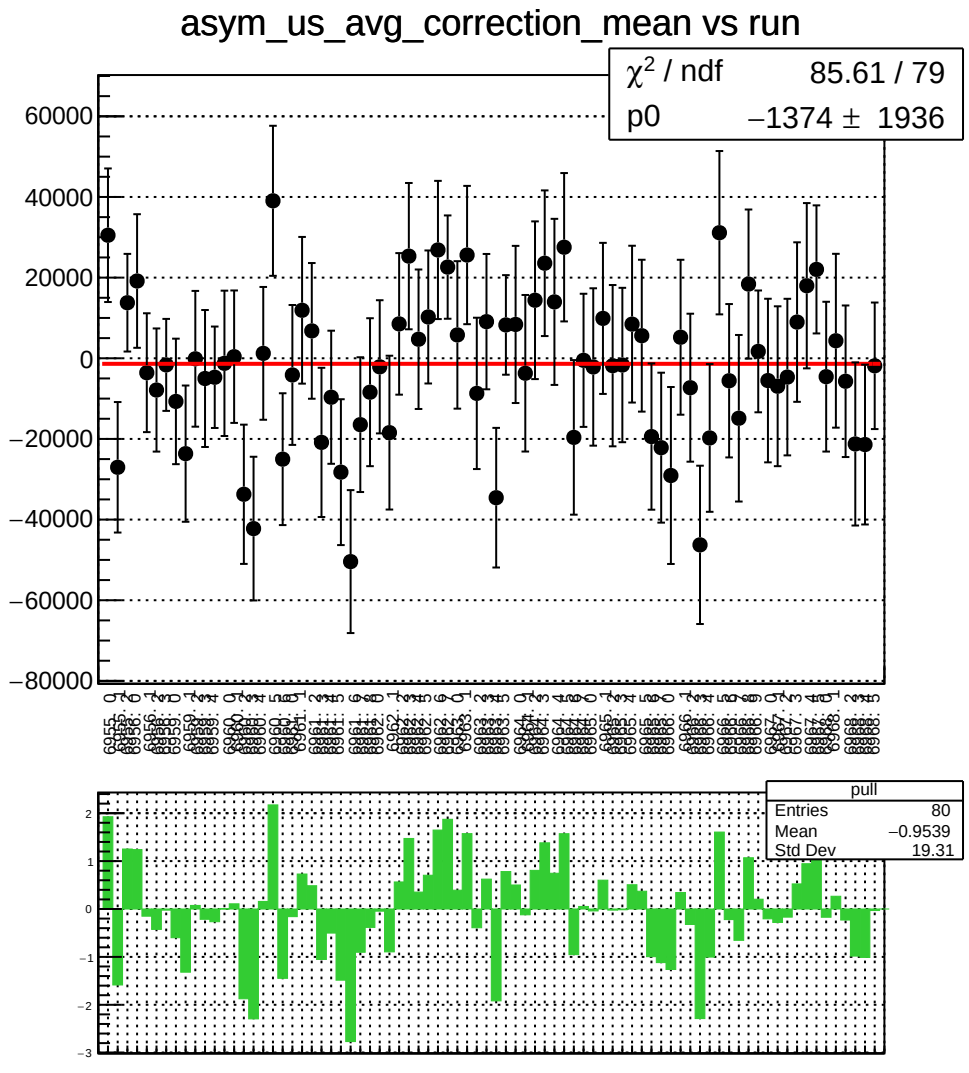
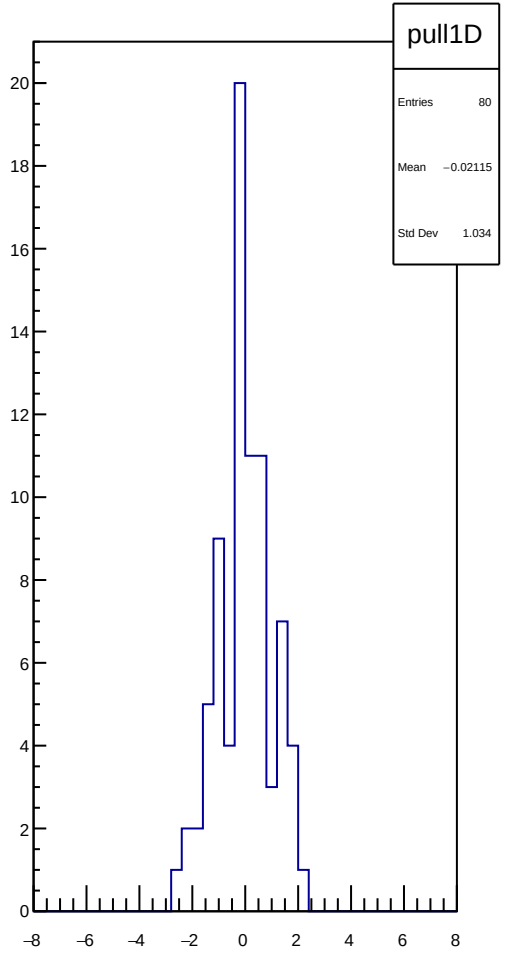
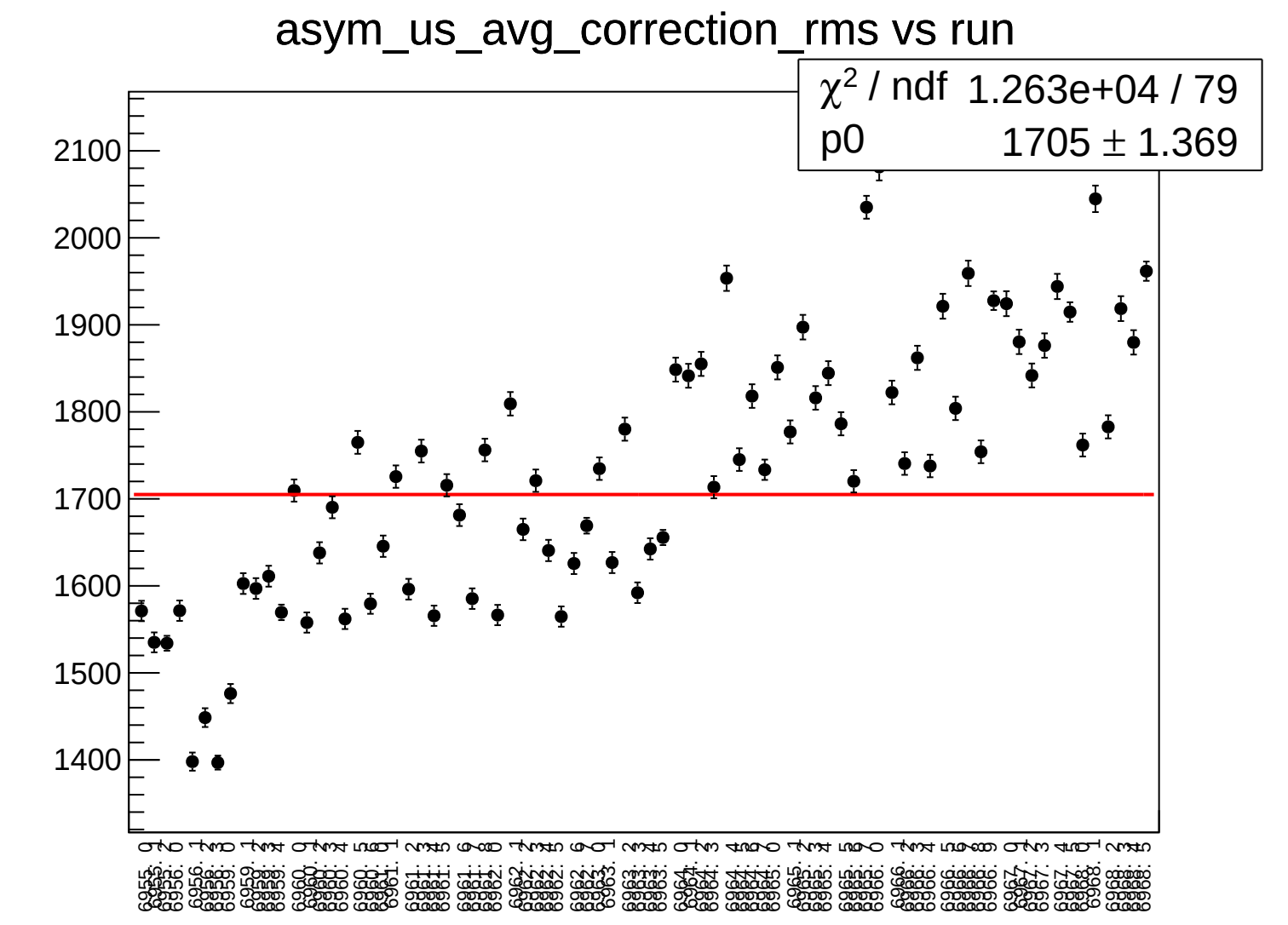

dit_asym_us_avg_mean vs run
χ² / ndf 98.19 / 79
p0 −1837 ± 890.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 20.54
Std Dev 79.8
2
1
0
−1
−2

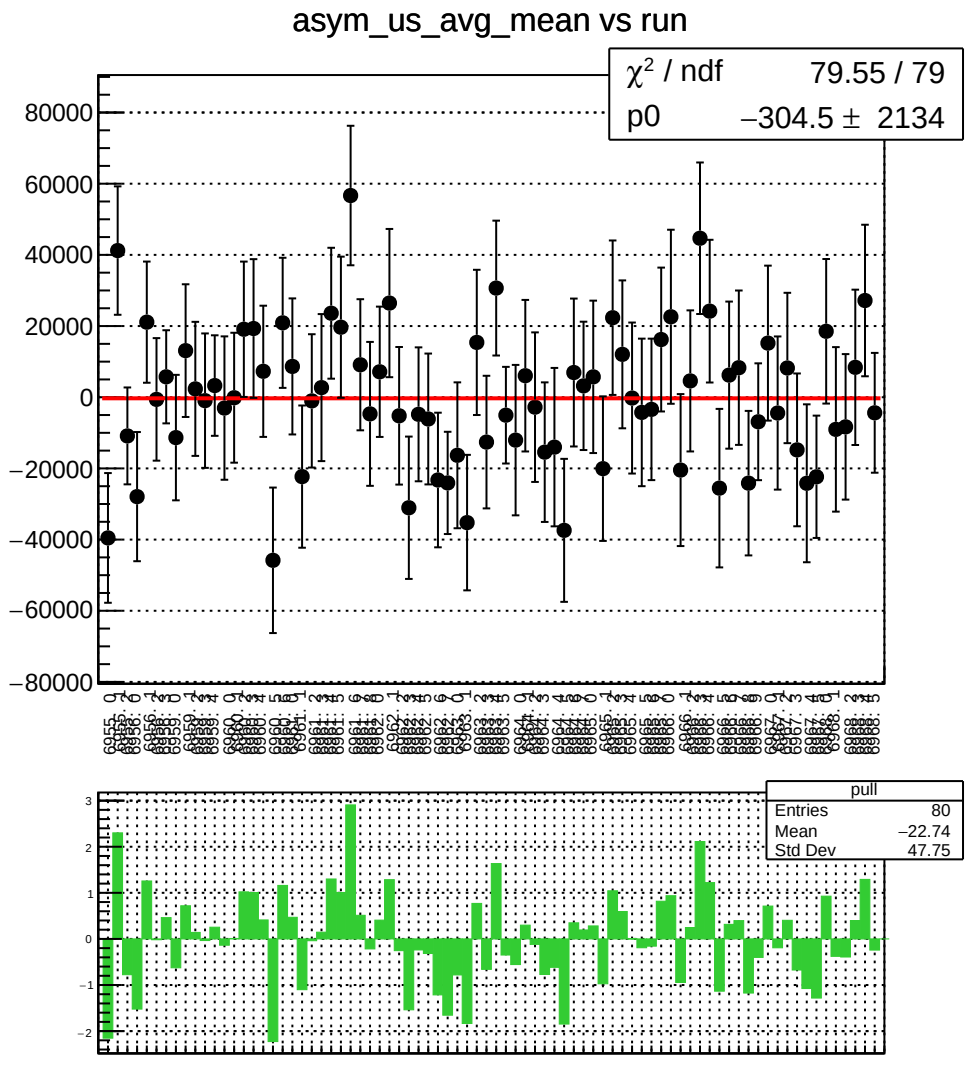

pull1D
Entries 80
Mean −0.006999
Std Dev 1.108
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

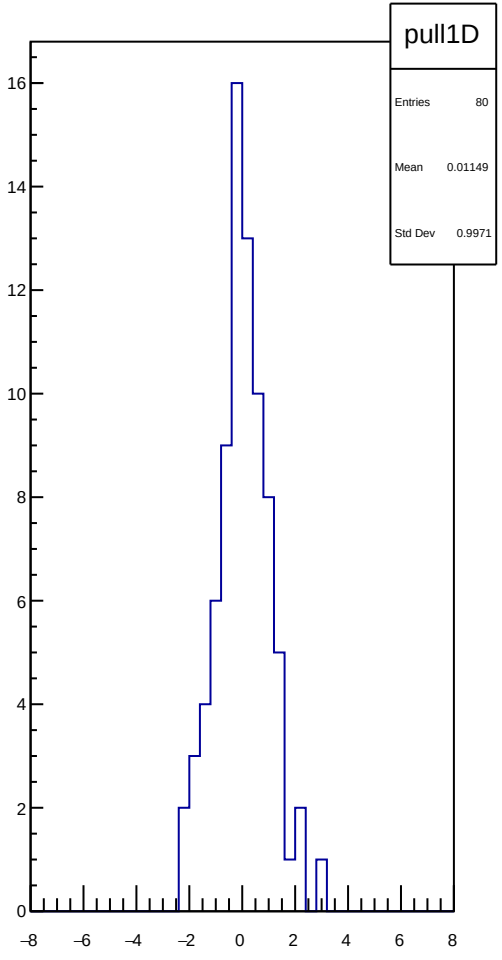

dit_asym_us_avg_rms vs run
χ^2 / ndf 120.5 / 79
p0 787 ± 0.6295
810
800
790
780
770

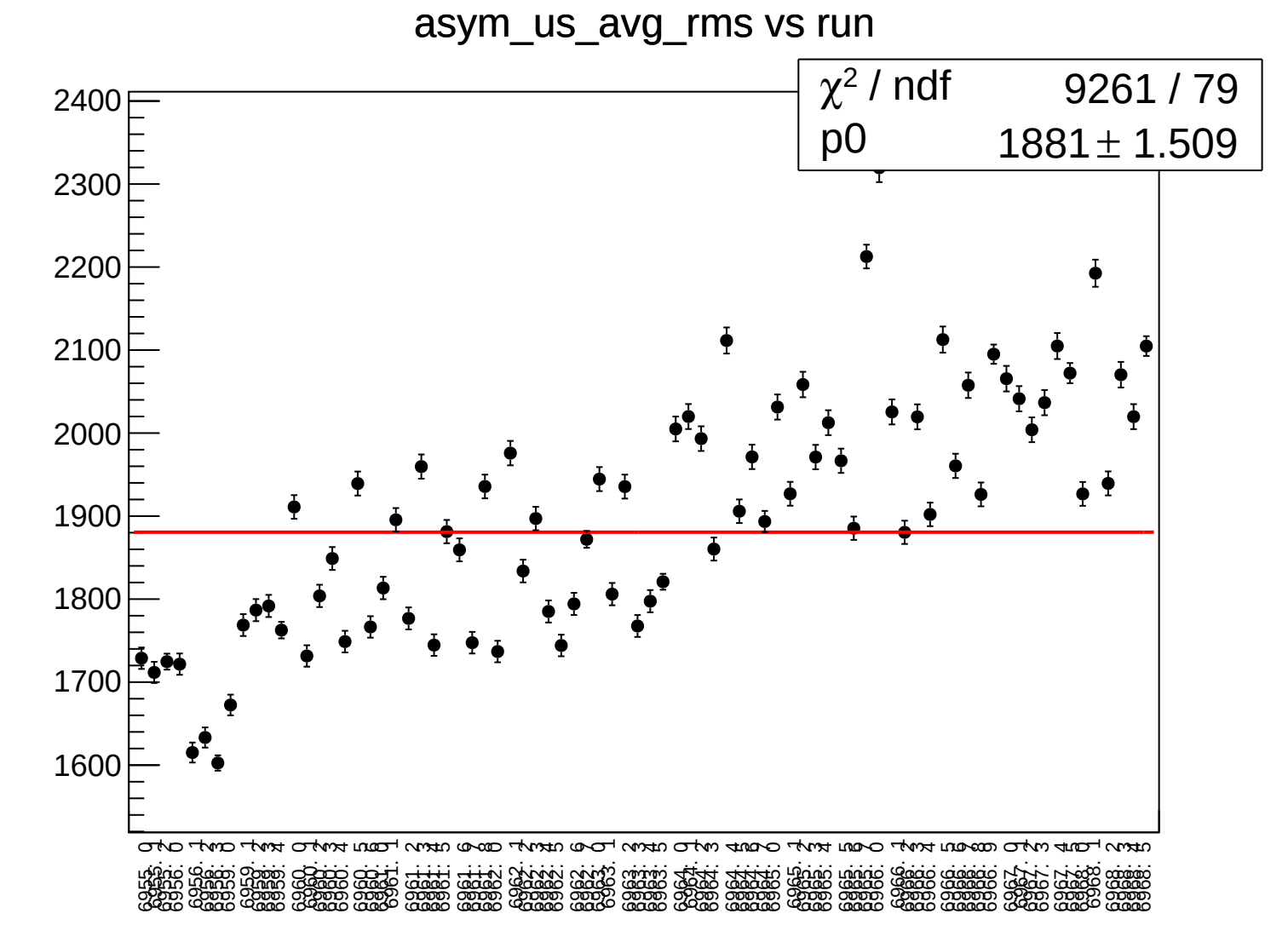

asym_us_avg_correction_mean vs run
χ² / ndf 85.61 / 79
p0 −1374 ± 1936
pull
Entries 80
Mean −0.9539
Std Dev 19.31

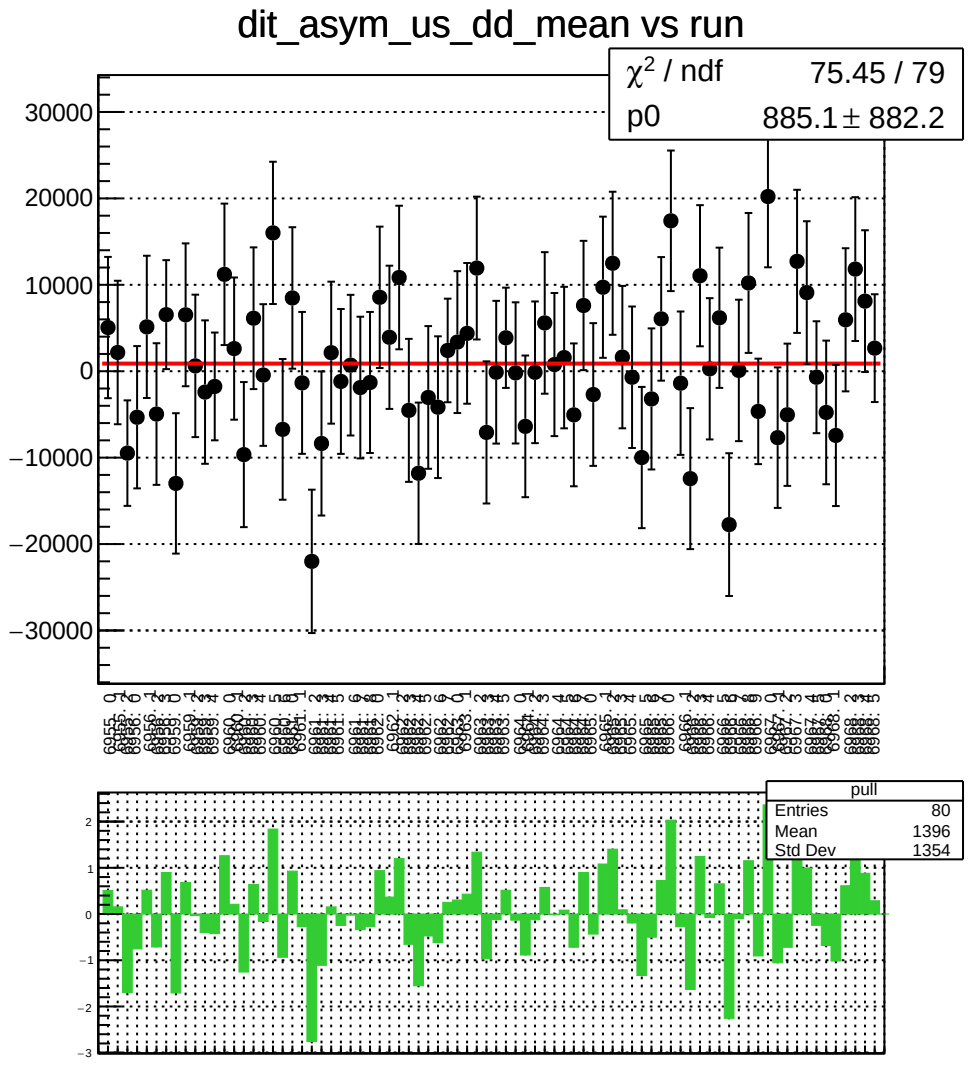

pull1D
Entries 80
Mean −0.02115
Std Dev 1.034

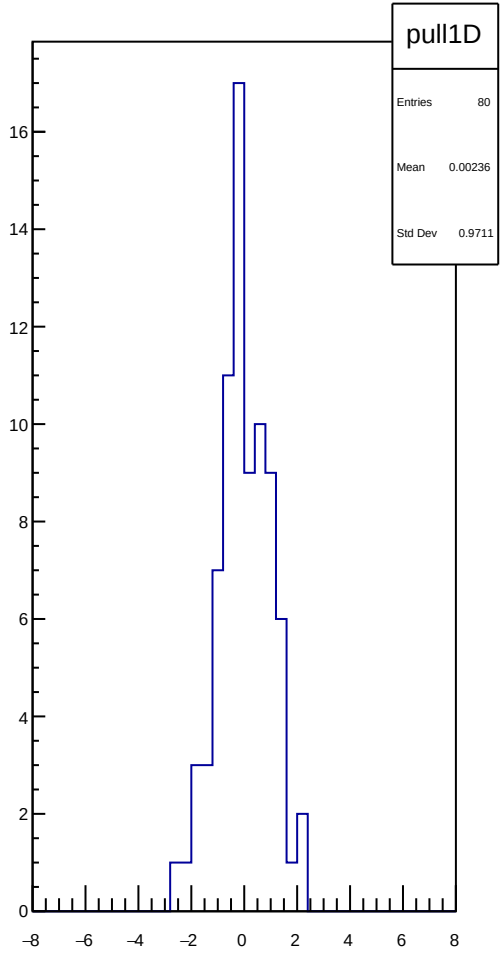

asym_us_avg_correction_rms vs run
χ² / ndf 1.263e+04 / 79
p0 1705 ± 1.369
2100
2000
1900
1800
1700
1600
1500
1400

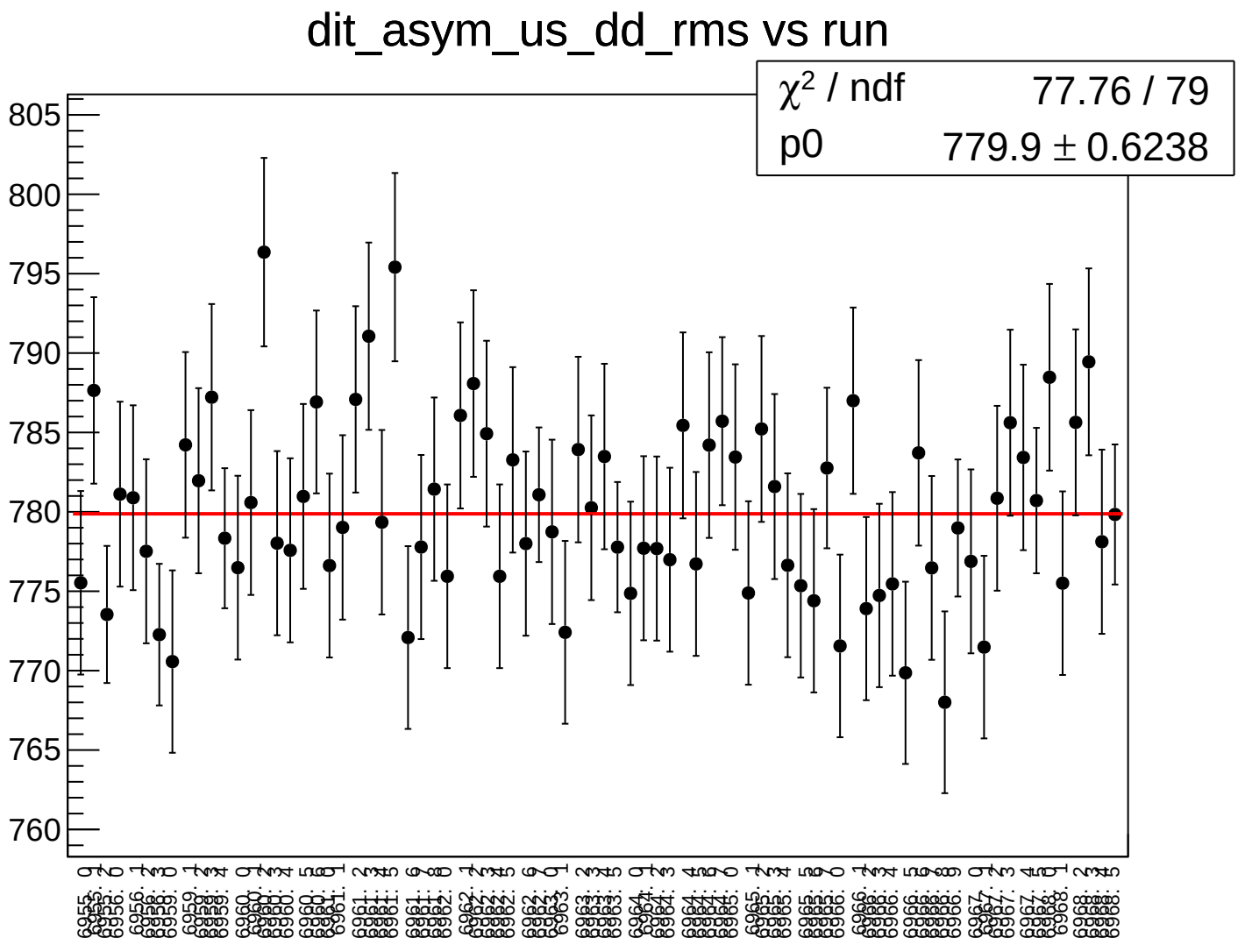

asym_us_avg_mean vs run
χ² / ndf 79.55 / 79
p0 −304.5 ± 2134
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −22.74
Std Dev 47.75
3
2
1
0
−1
−2

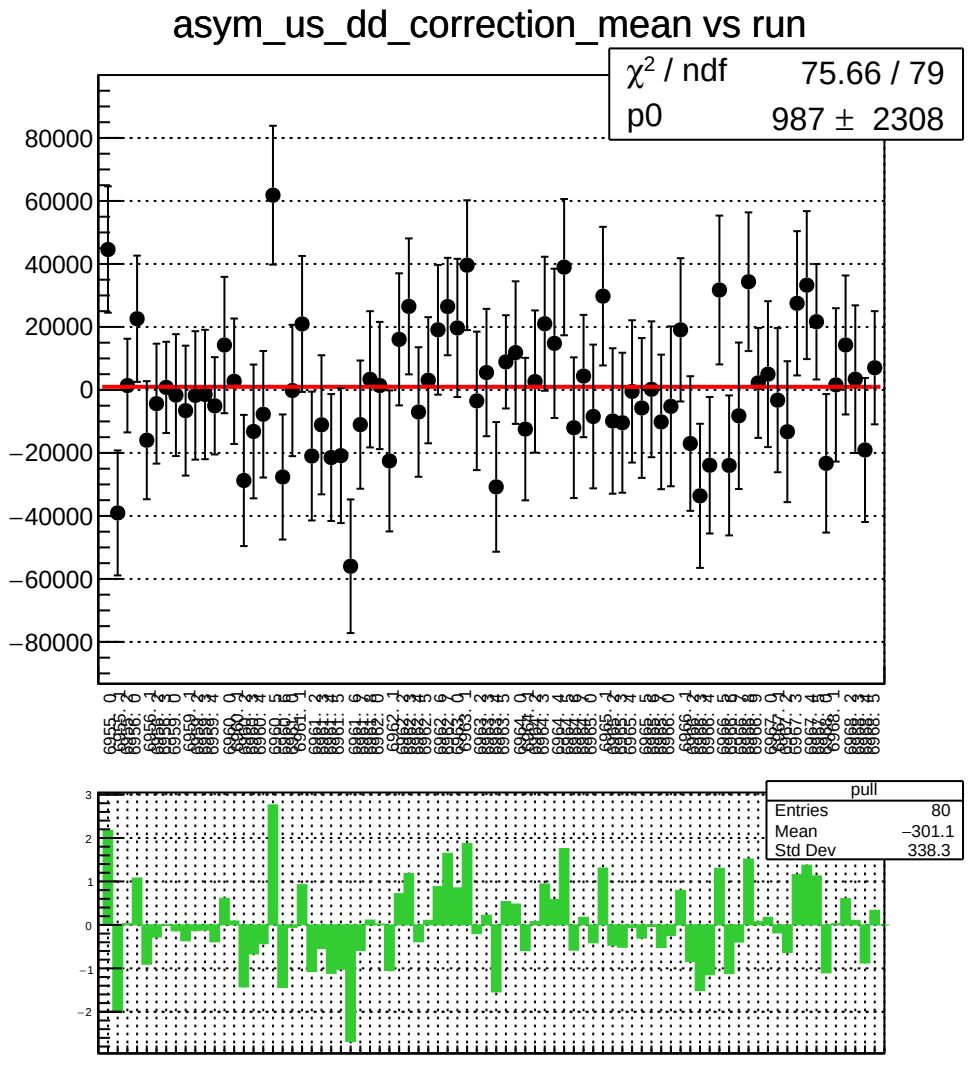

pull1D
Entries 80
Mean 0.01149
Std Dev 0.9971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

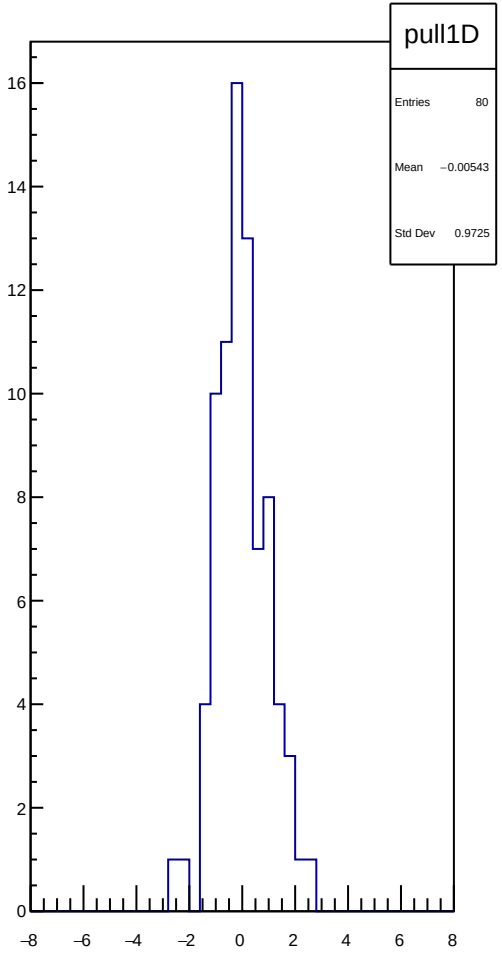

asym_us_avg_rms vs run
χ² / ndf 9261 / 79
p0 1881 ± 1.509
2400
2300
2200
2100
2000
1900
1800
1700
1600

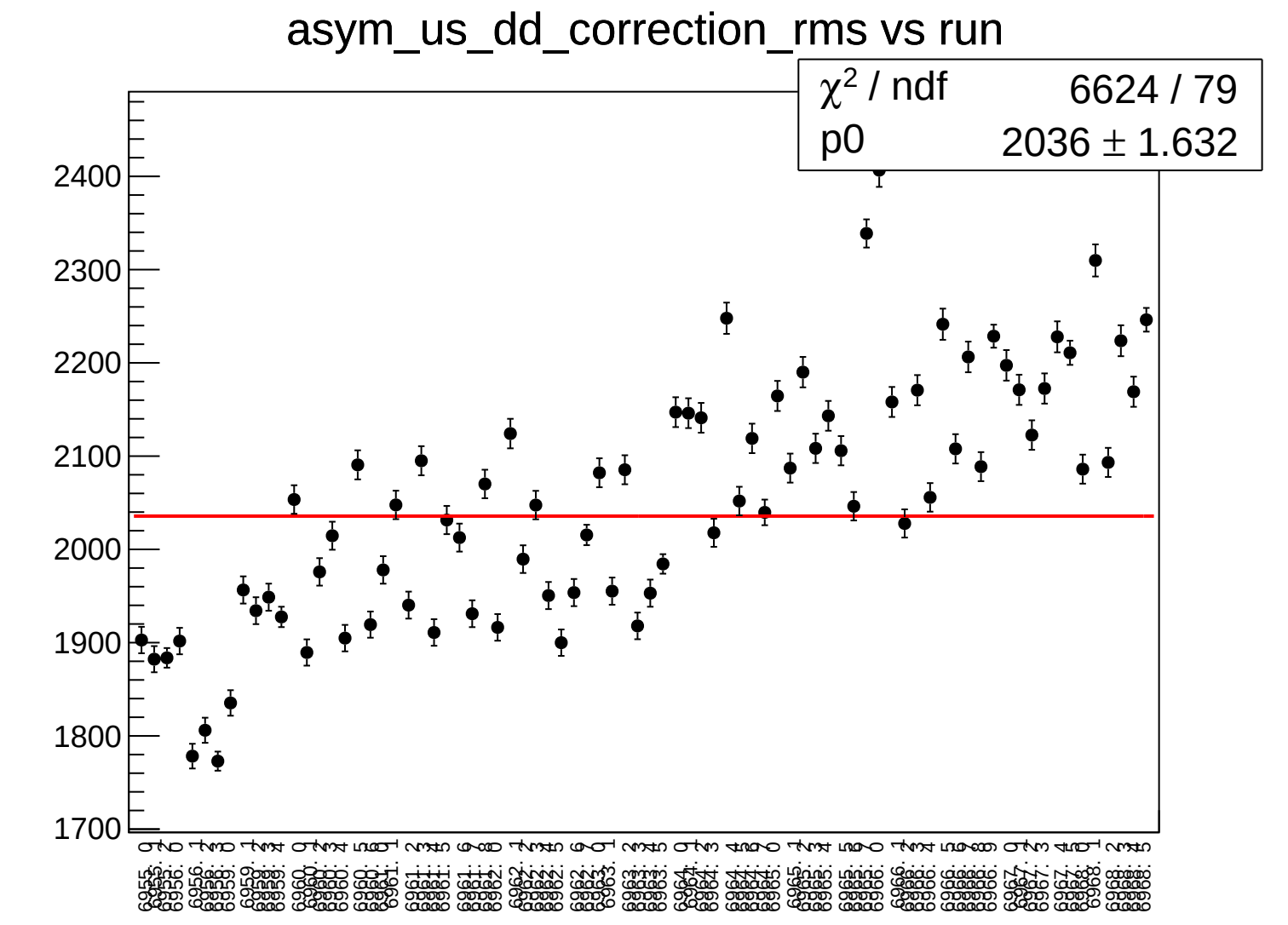

dit_asym_us_dd_mean vs run
χ² / ndf 75.45 / 79
p0 885.1 ± 882.2
pull
Entries 80
Mean 1396
Std Dev 1354

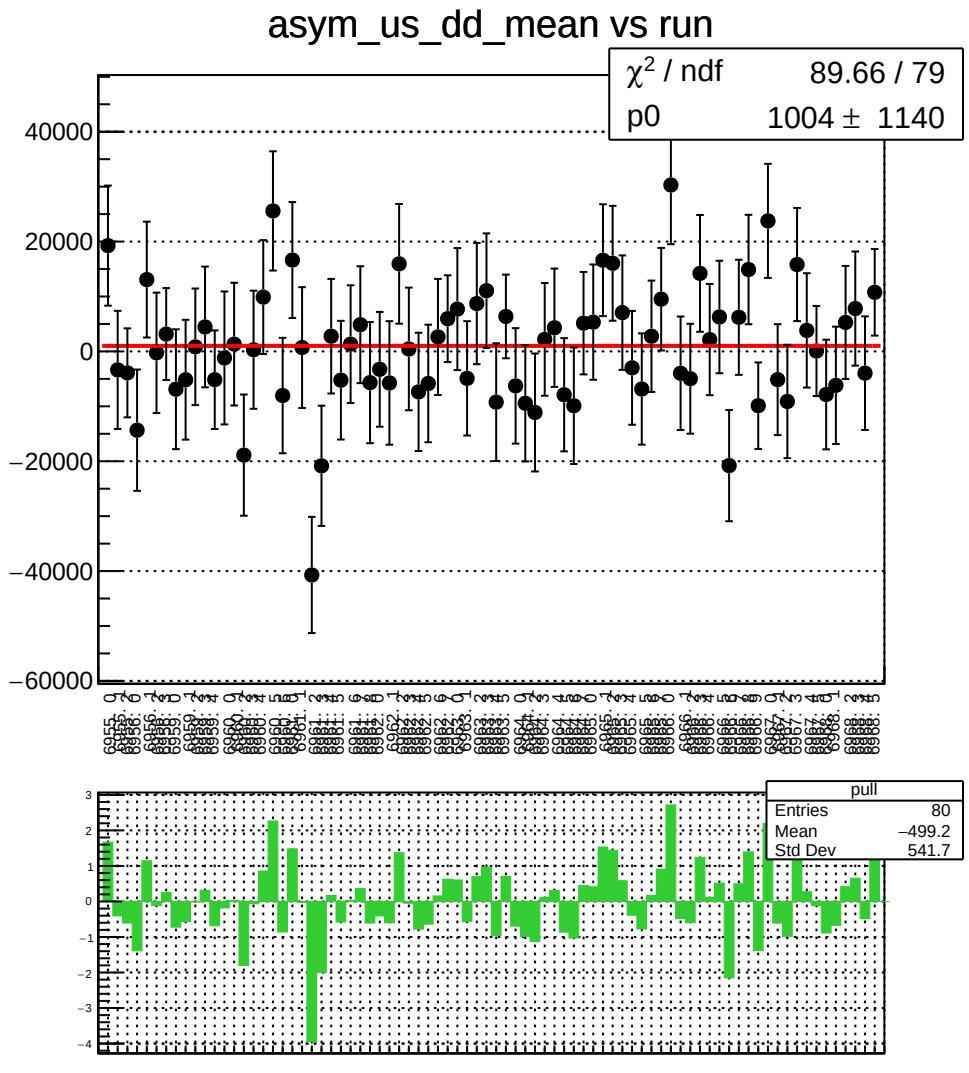

pull1D
Entries 80
Mean 0.00236
Std Dev 0.9711

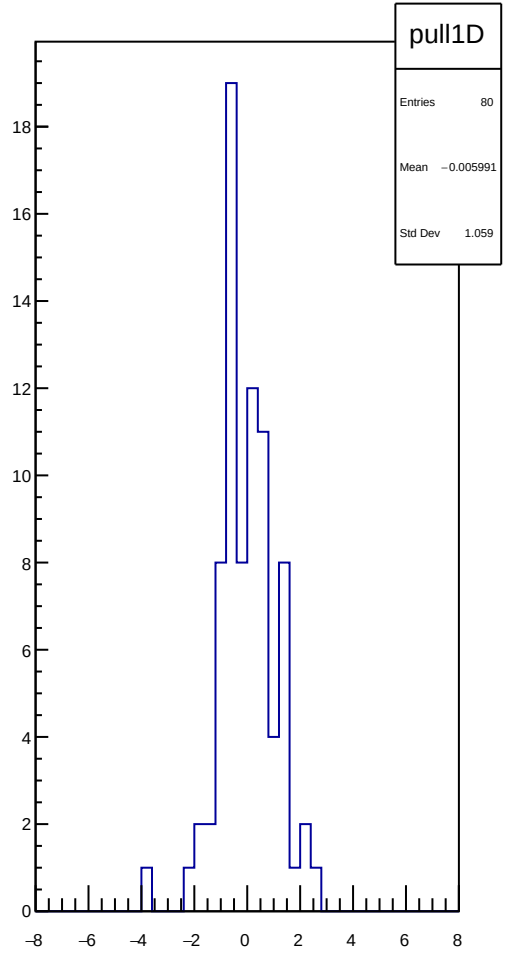

dit_asym_us_dd_rms vs run
χ² / ndf 77.76 / 79
p0 779.9 ± 0.6238
805
800
795
790
785
780
775
770
765
760

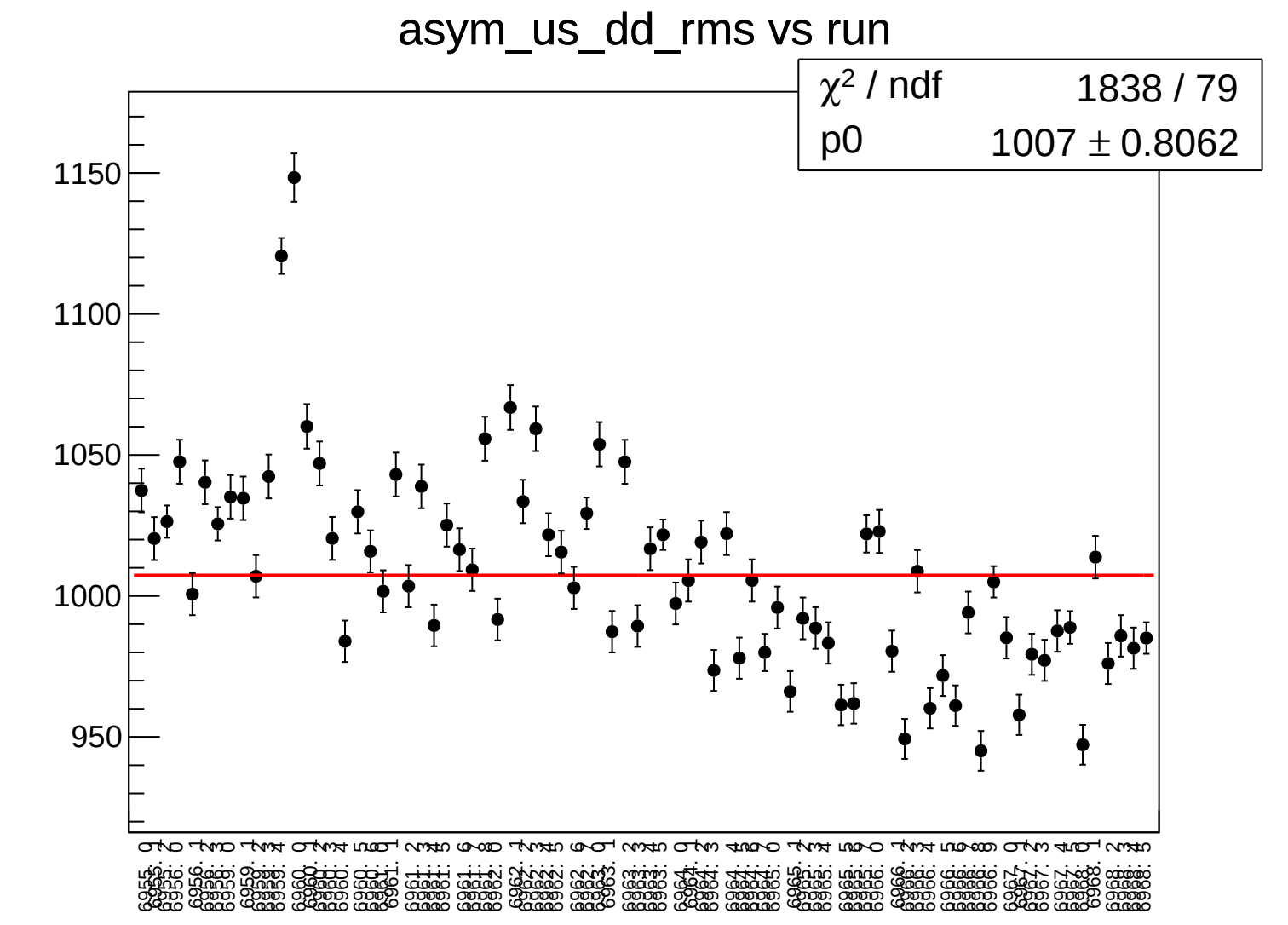

asym_us_dd_correction_mean vs run
χ² / ndf 75.66 / 79
p0 987 ± 2308
pull
Entries 80
Mean −301.1
Std Dev 338.3

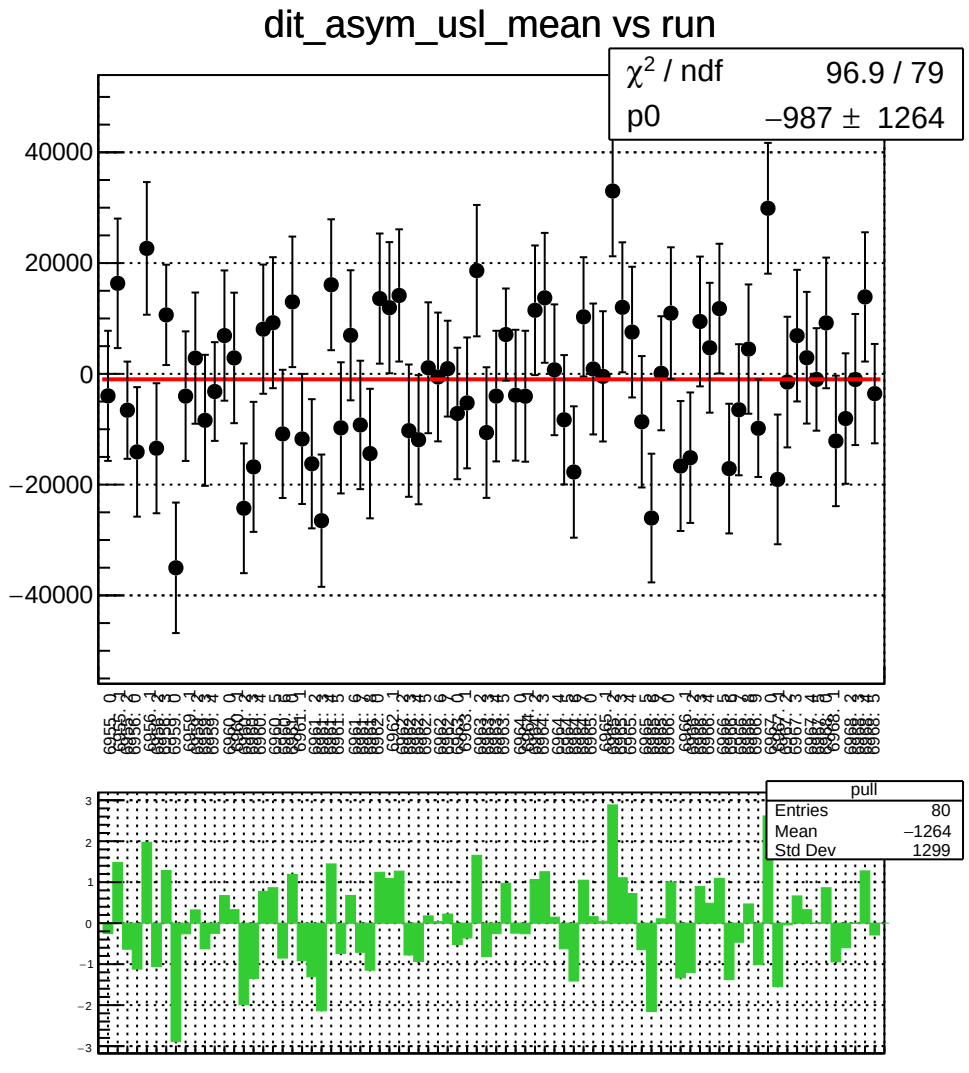

pull1D
Entries 80
Mean −0.00543
Std Dev 0.9725

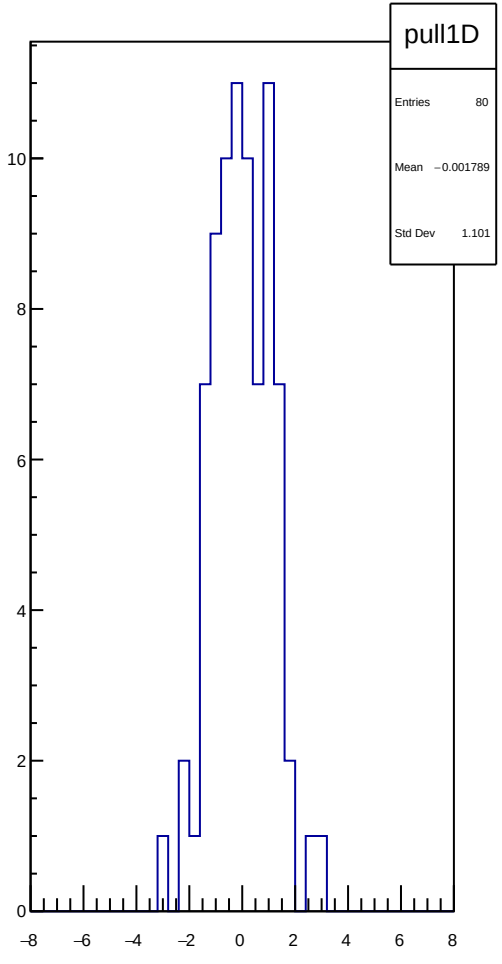

asym_us_dd_correction_rms vs run
χ² / ndf 6624 / 79
p0 2036 ± 1.632
2400
2300
2200
2100
2000
1900
1800
1700

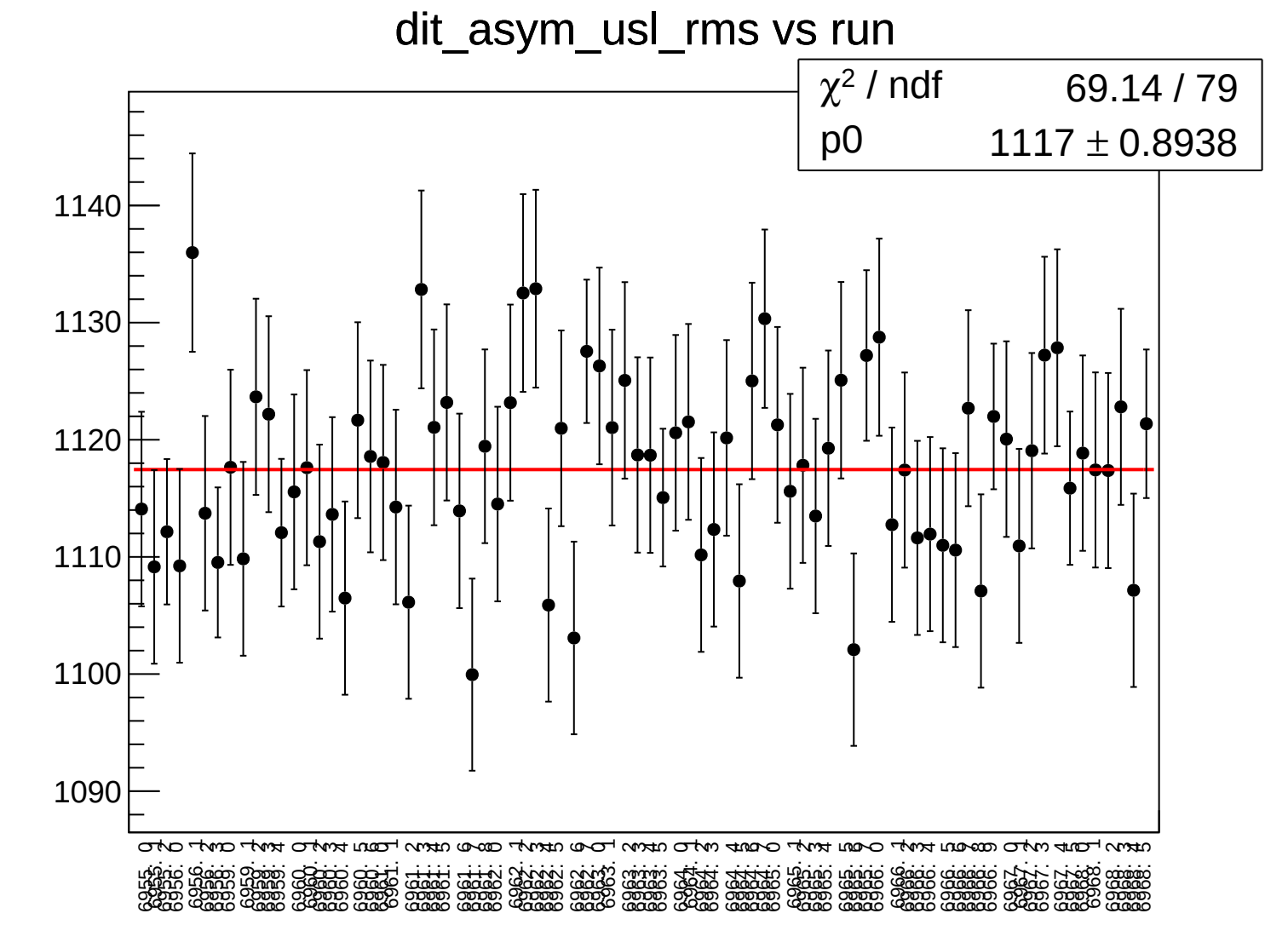

asym_us_dd_mean vs run
χ² / ndf 89.66 / 79
p0 1004 ± 1140
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −499.2
Std Dev 541.7
3
2
1
0
−1
−2
−3
−4

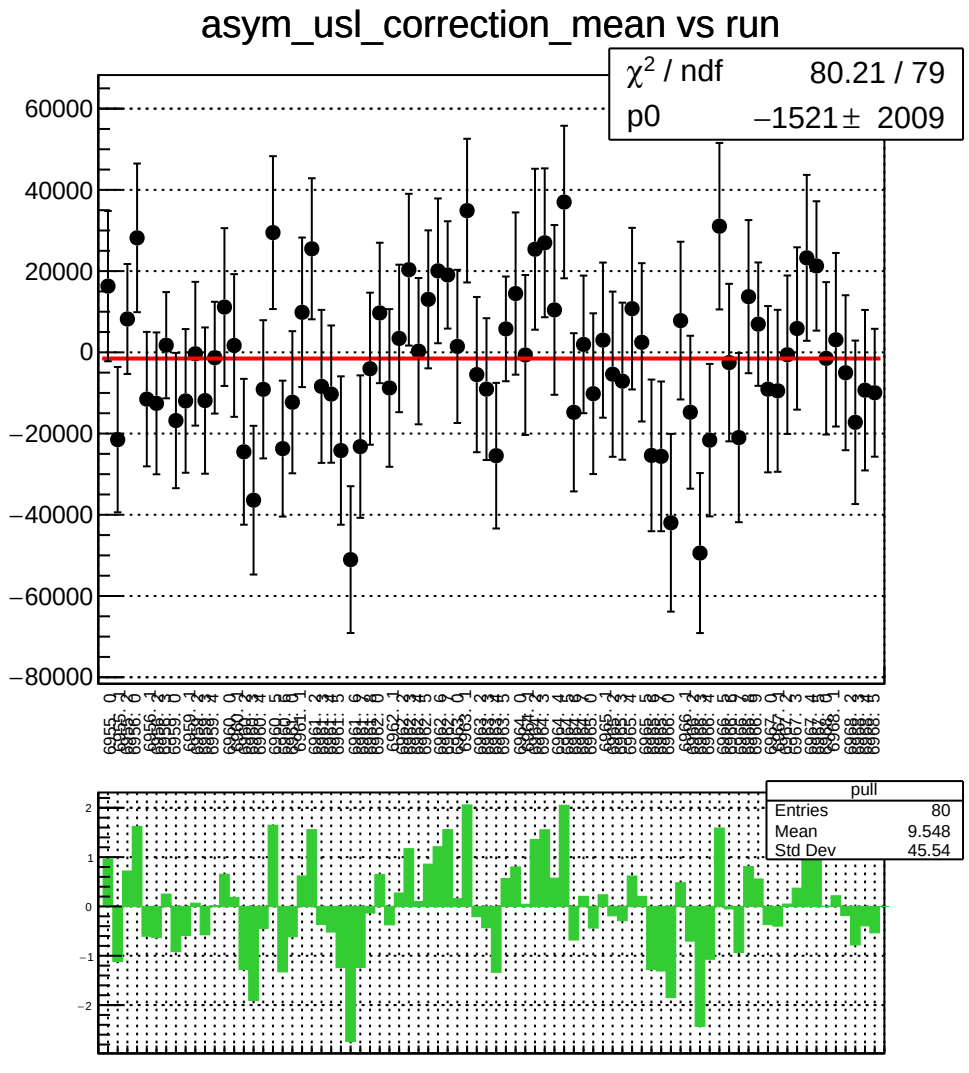

pull1D
Entries 80
Mean −0.005991
Std Dev 1.059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

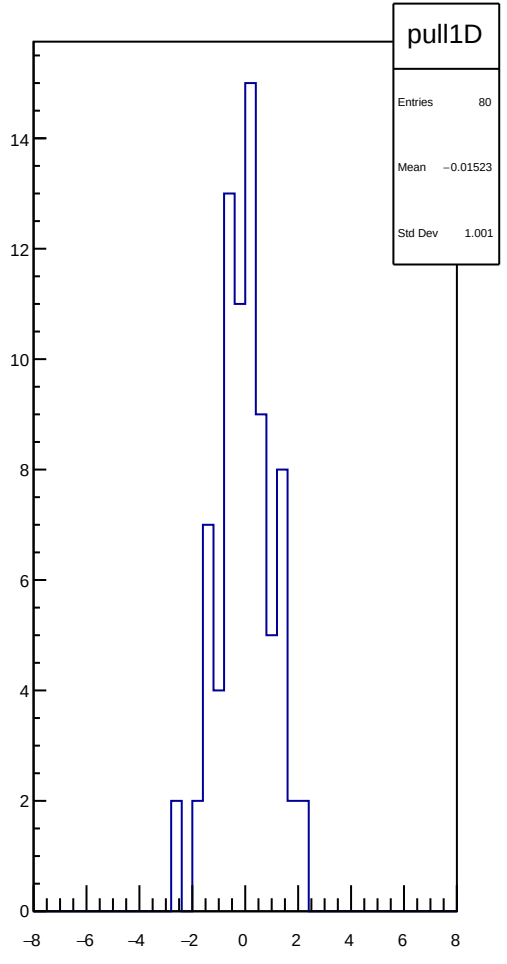

asym_us_dd_rms vs run
χ^2 / ndf 1838 / 79
p0 1007 ± 0.8062
1150
1100
1050
1000
950

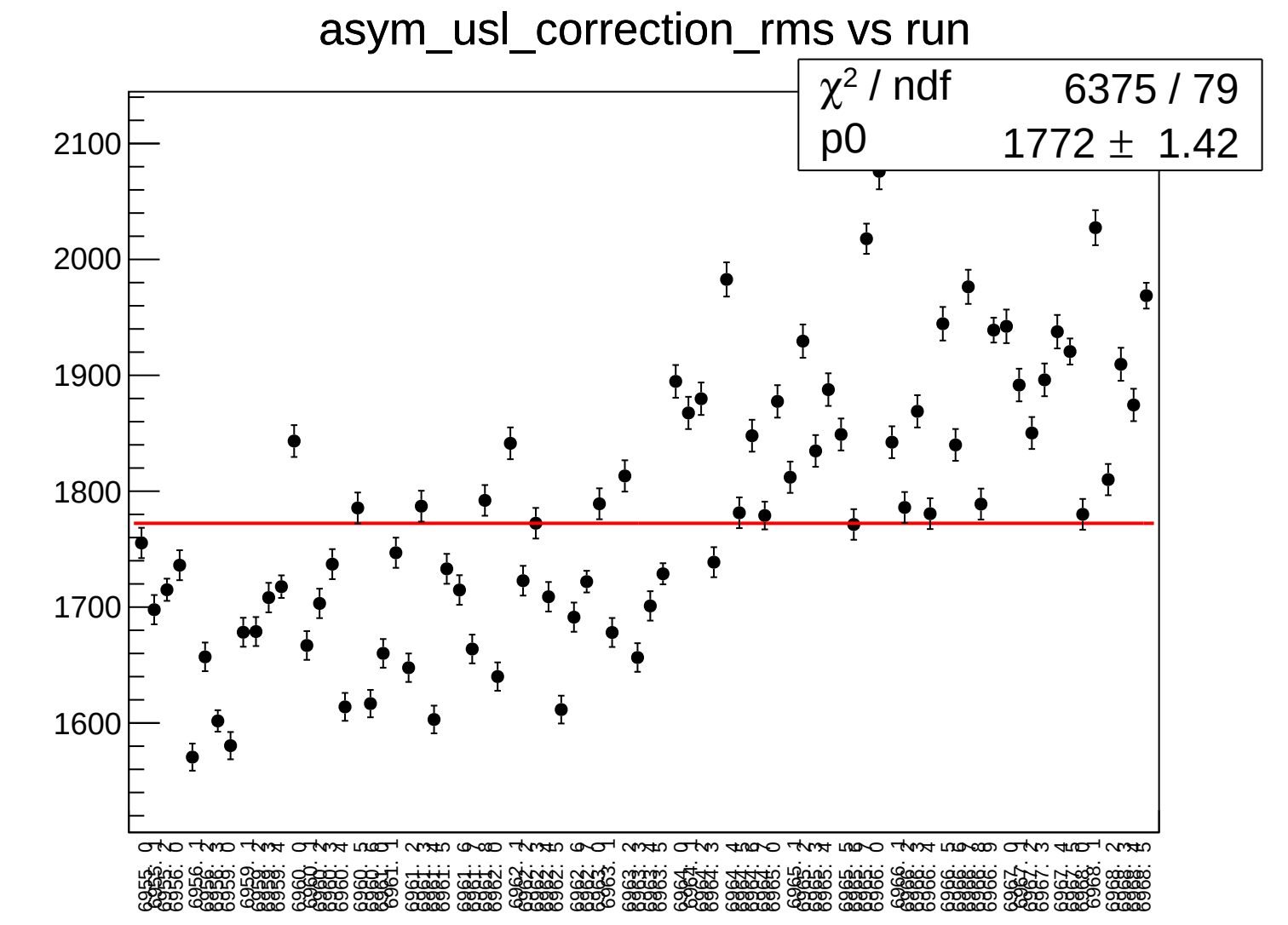

dit_asym_usl_mean vs run
χ² / ndf 96.9 / 79
p0 −987 ± 1264
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −1264
Std Dev 1299
3
2
1
0
−1
−2
−3

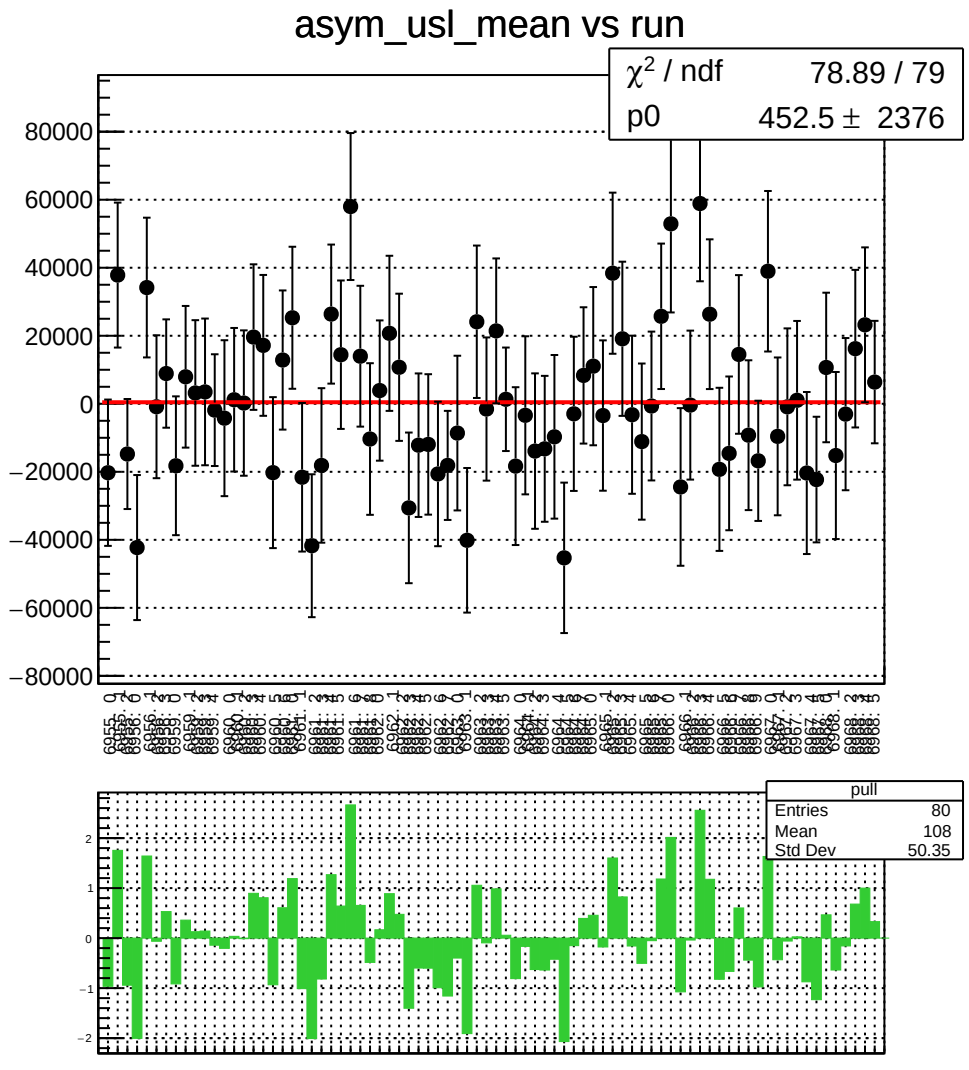

pull1D
Entries 80
Mean −0.001789
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

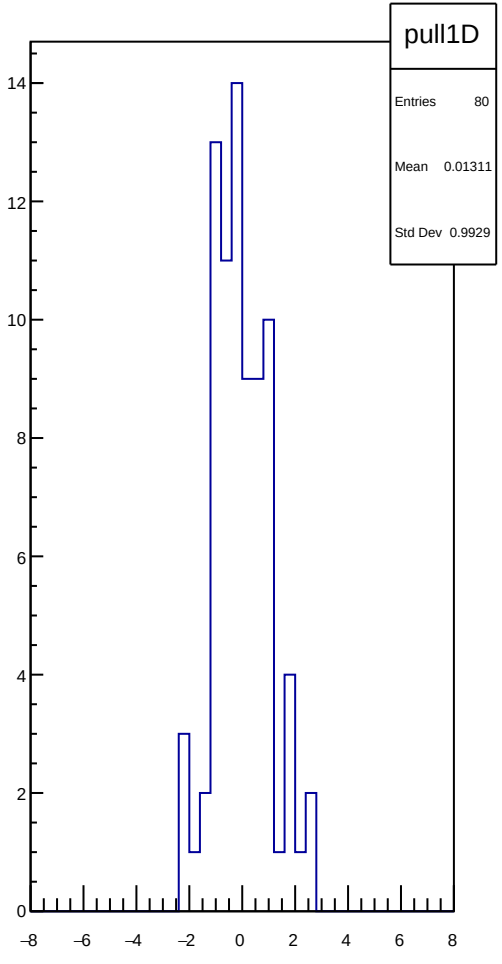

dit_asym_usl_rms vs run
χ^2 / ndf 69.14 / 79
p0 1117 ± 0.8938
1140
1130
1120
1110
1100
1090

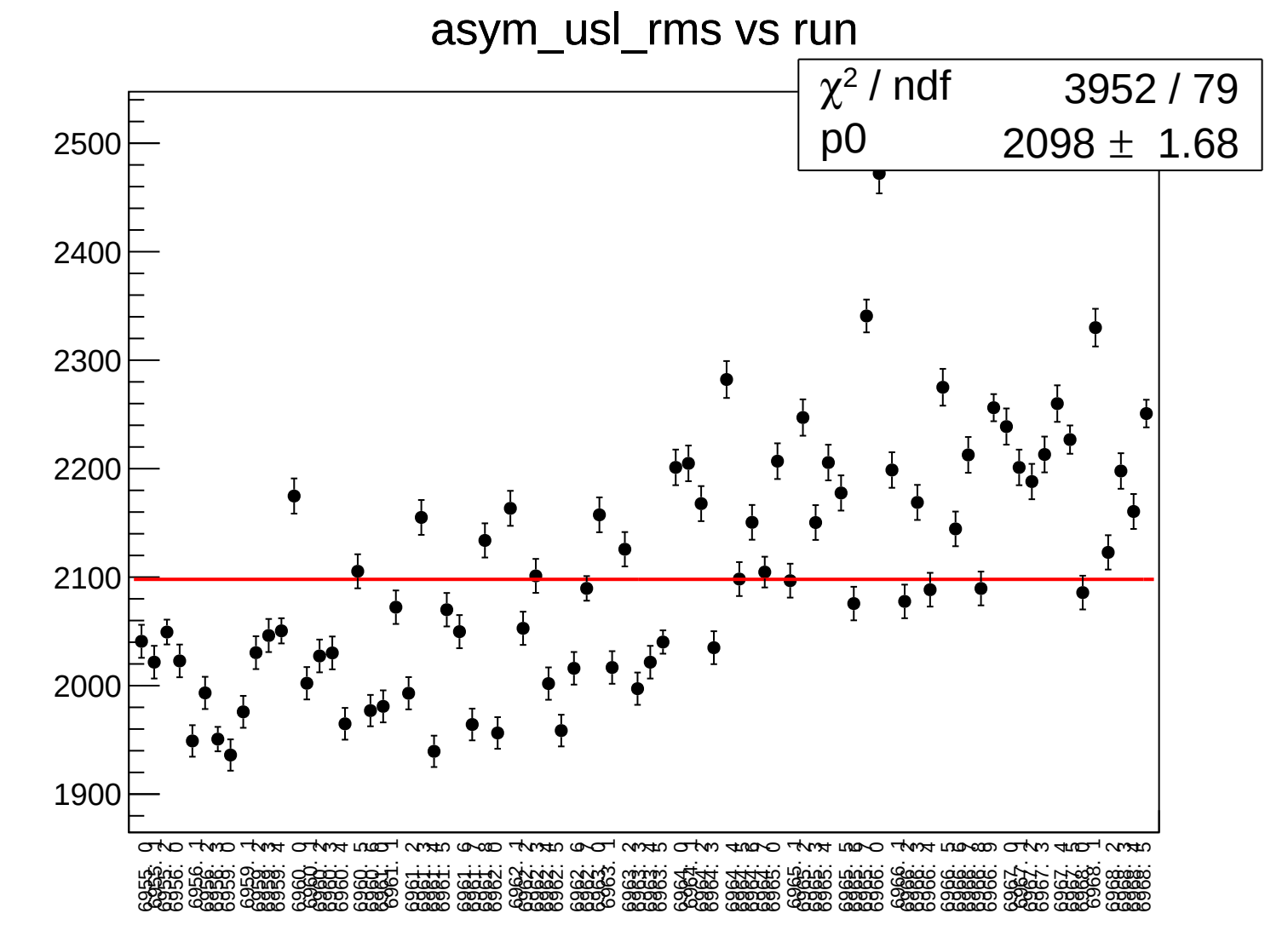

asym_usl_correction_mean vs run
χ² / ndf 80.21 / 79
p0 −1521 ± 2009
pull
Entries 80
Mean 9.548
Std Dev 45.54

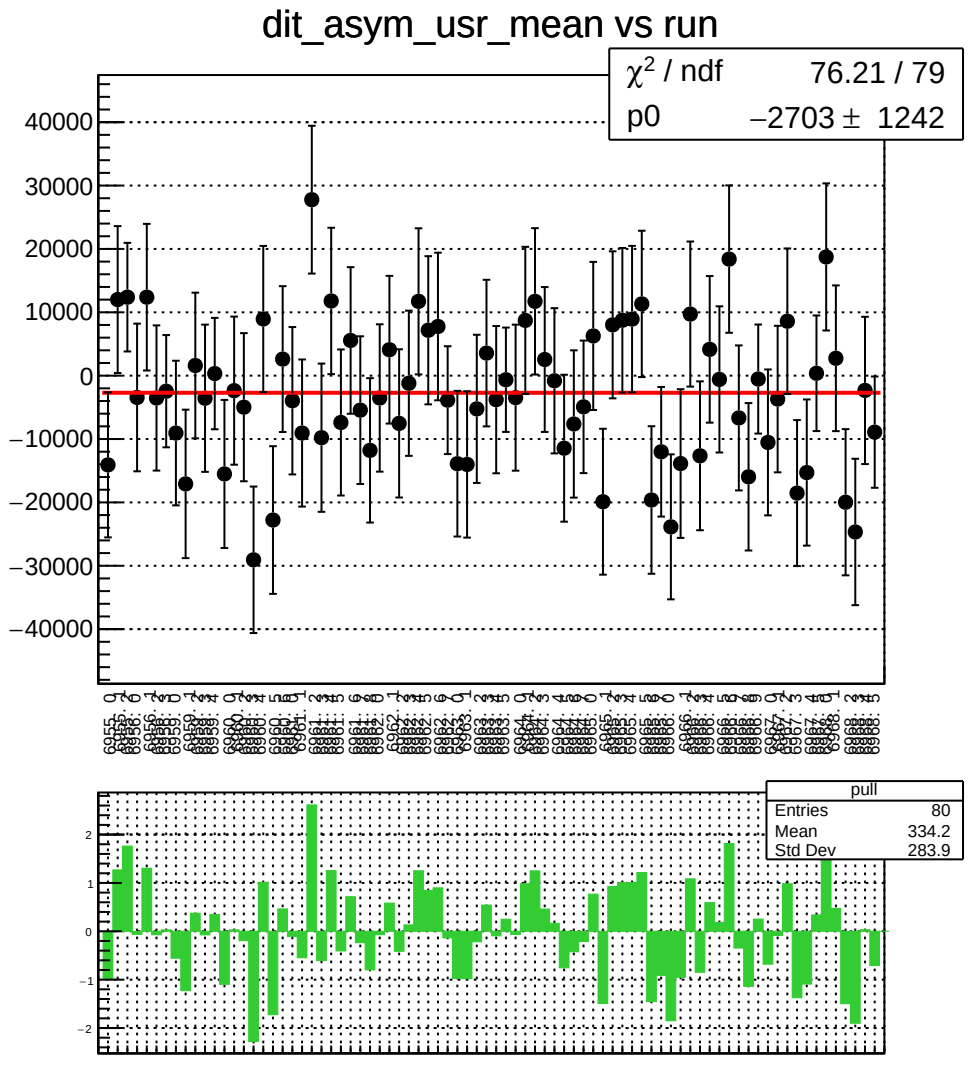

pull1D
Entries 80
Mean −0.01523
Std Dev 1.001

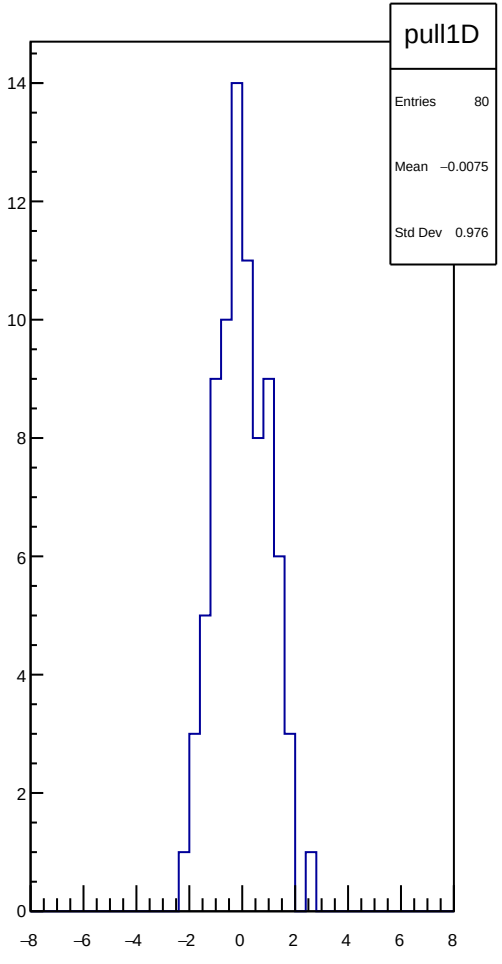

asym_usl_correction_rms vs run
χ² / ndf 6375 / 79
p0 1772 ± 1.42
2100
2000
1900
1800
1700
1600

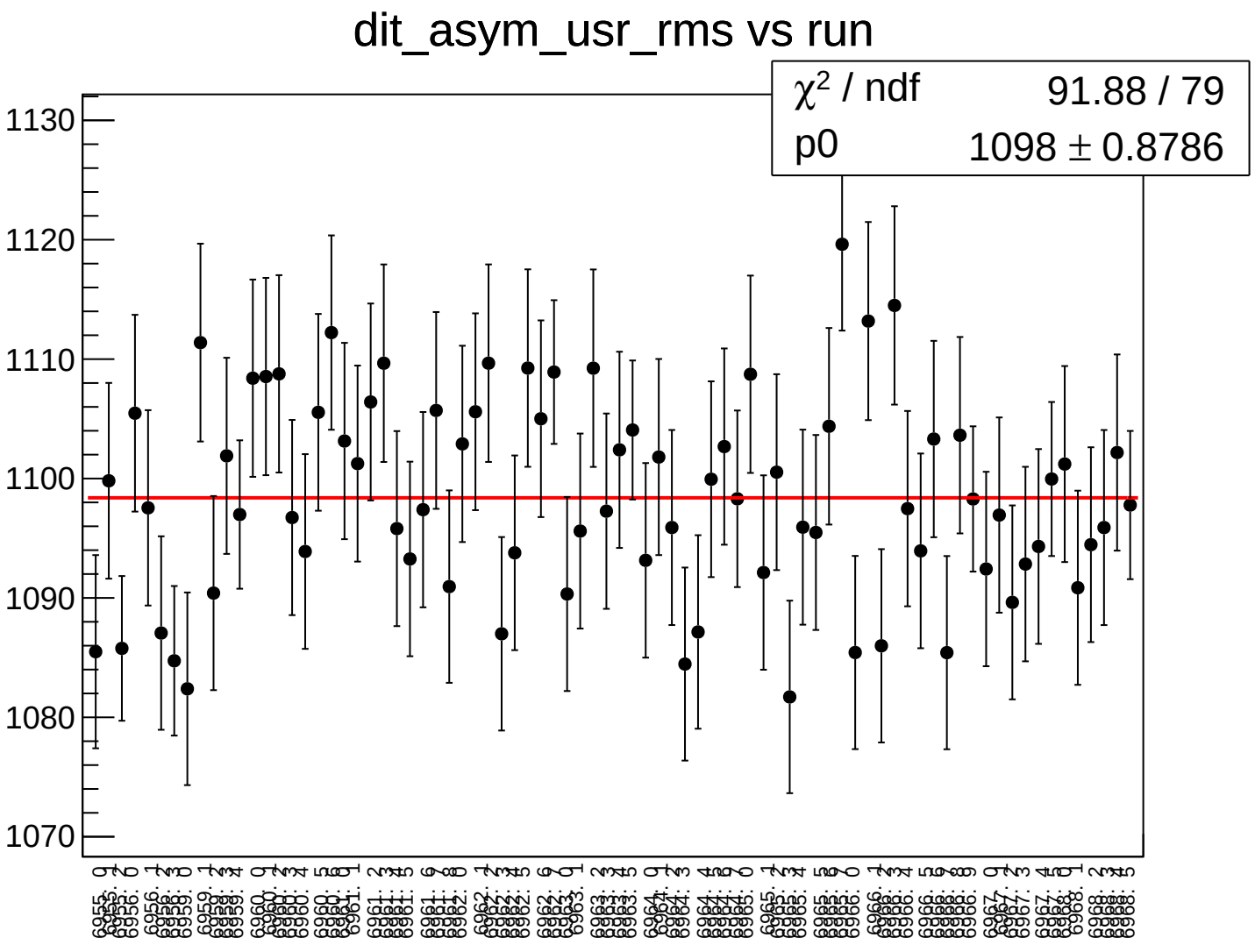

asym_usl_mean vs run
χ² / ndf 78.89 / 79
p0 452.5 ± 2376
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 108
Std Dev 50.35
2
1
0
−1
−2

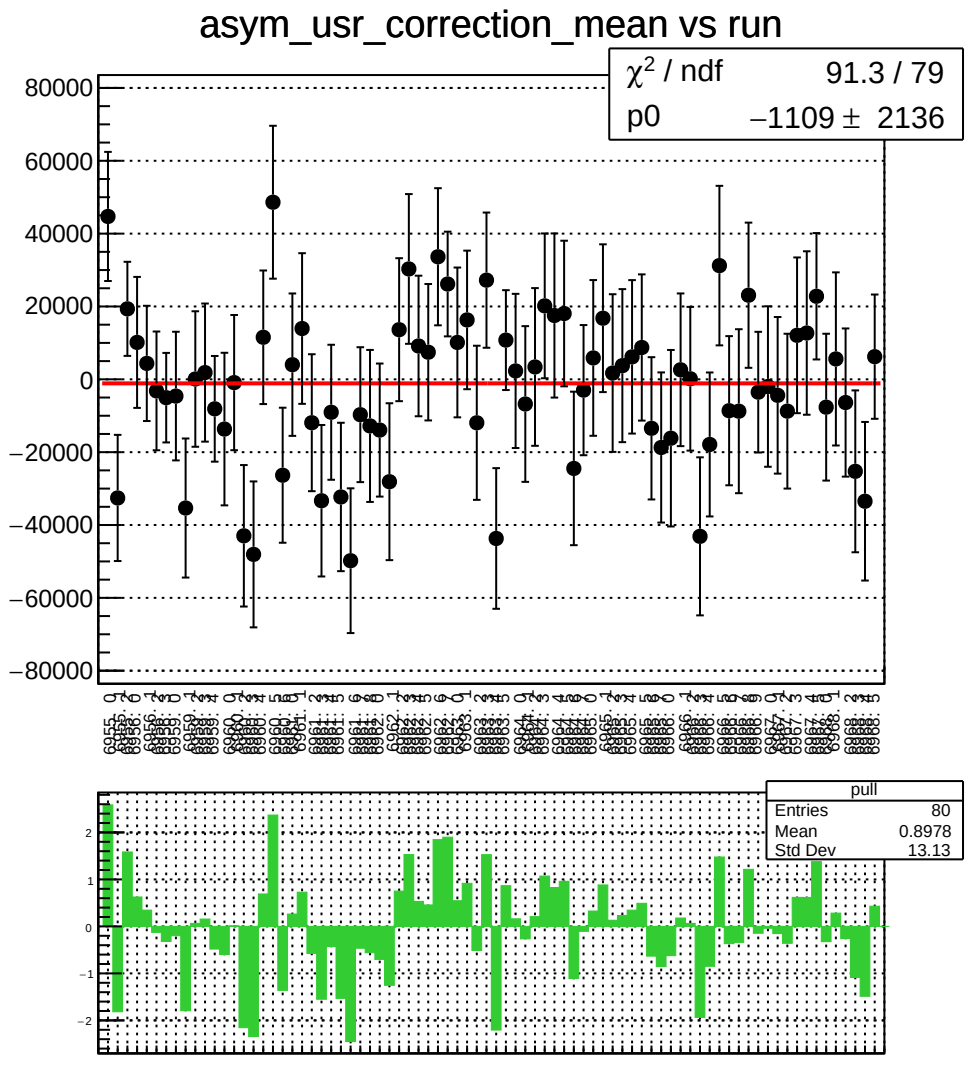

pull1D
Entries 80
Mean 0.01311
Std Dev 0.9929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

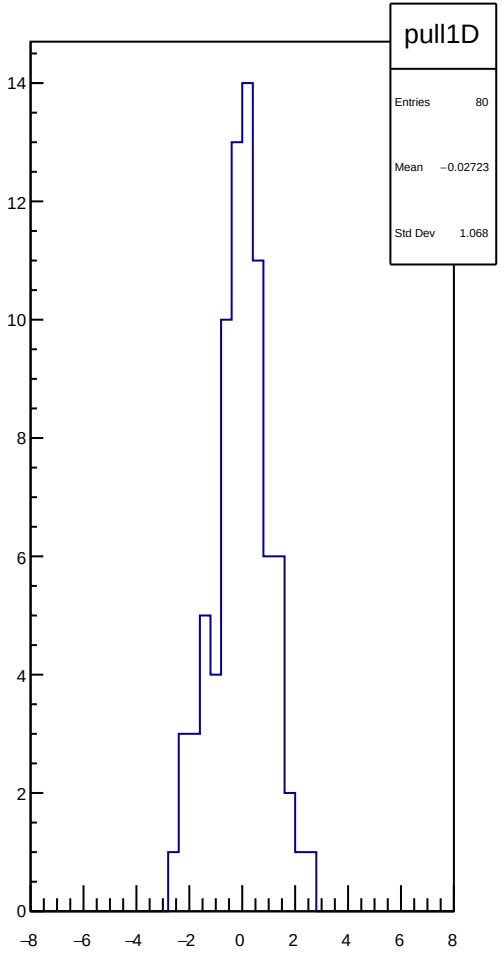

asym_usl_rms vs run
χ² / ndf 3952 / 79
p0 2098 ± 1.68
2500
2400
2300
2200
2100
2000
1900

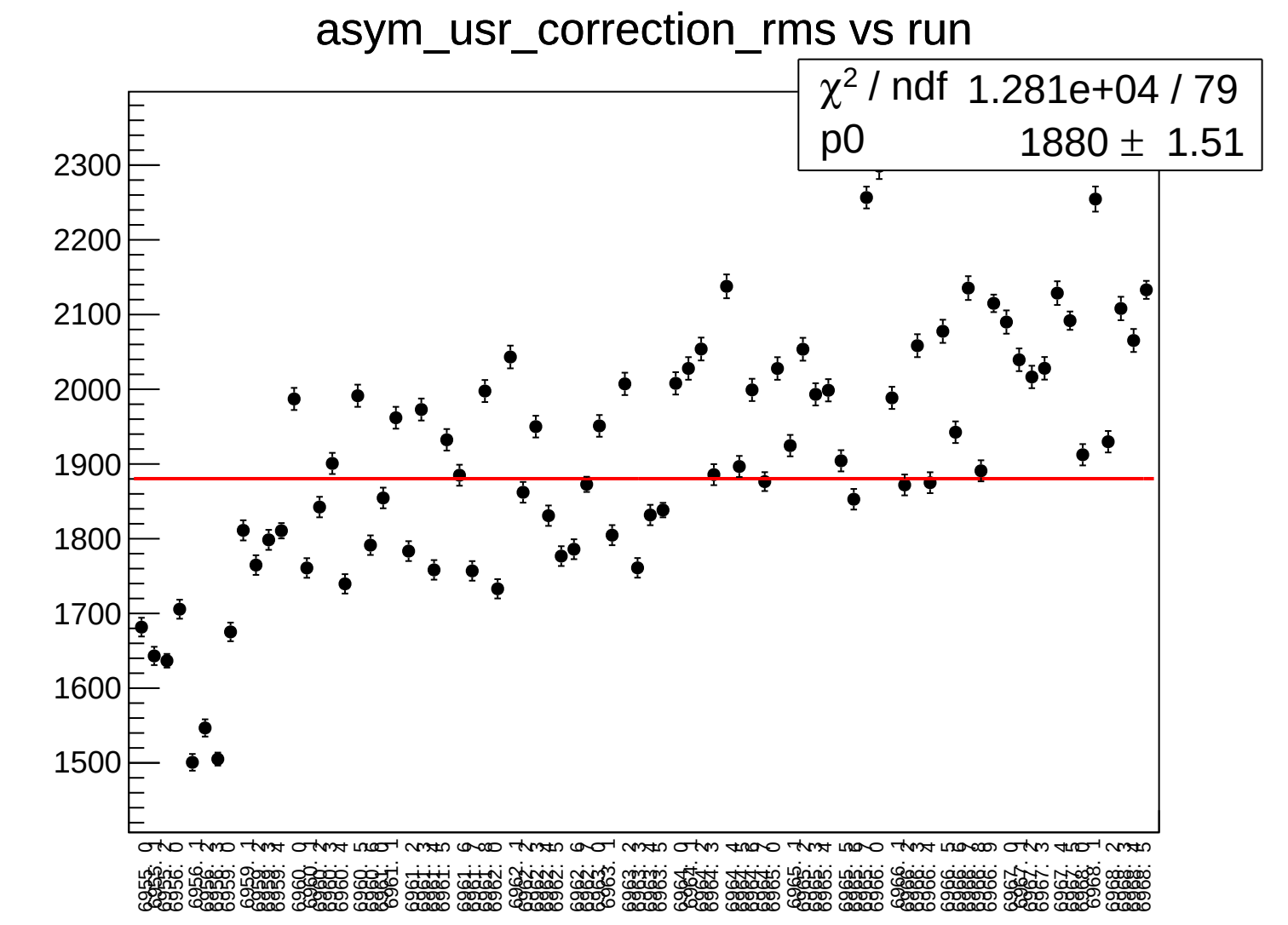

dit_asym_usr_mean vs run
χ² / ndf 76.21 / 79
p0 −2703 ± 1242
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 334.2
Std Dev 283.9
2
1
0
−1
−2

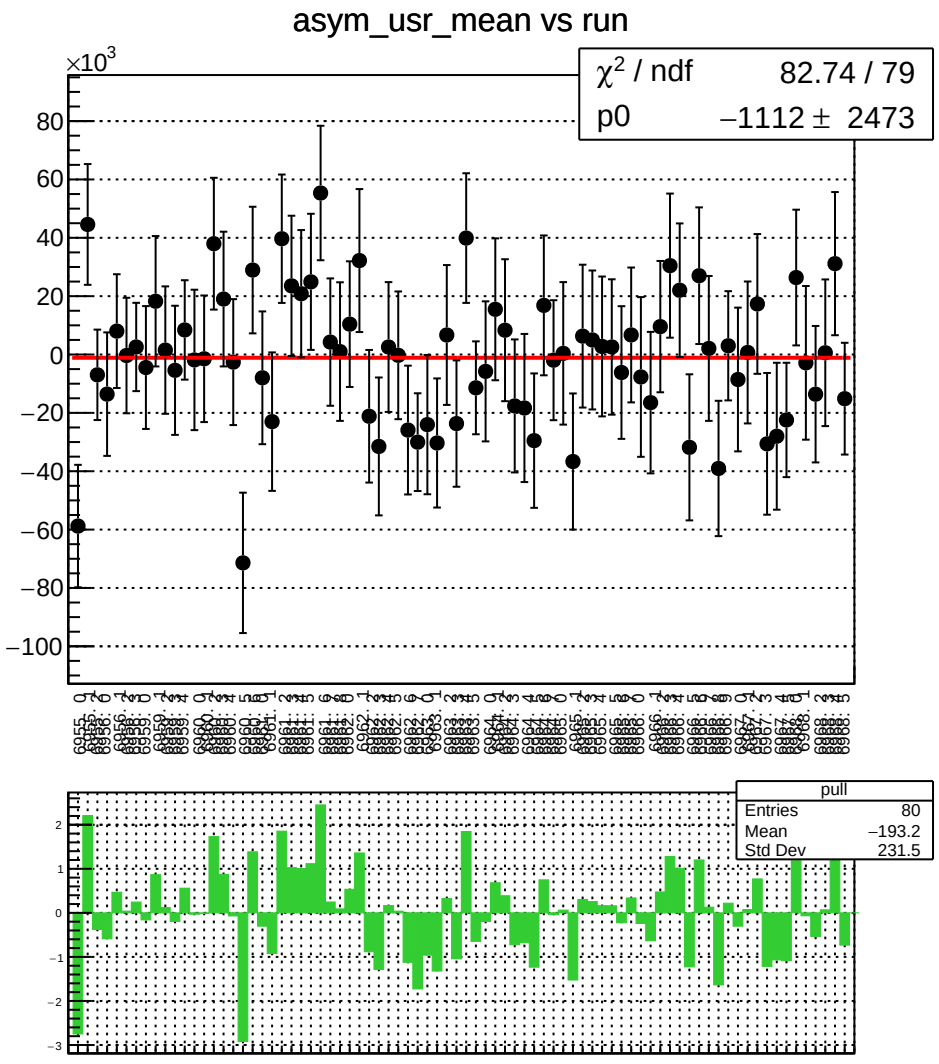

pull1D
Entries 80
Mean −0.0075
Std Dev 0.976
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

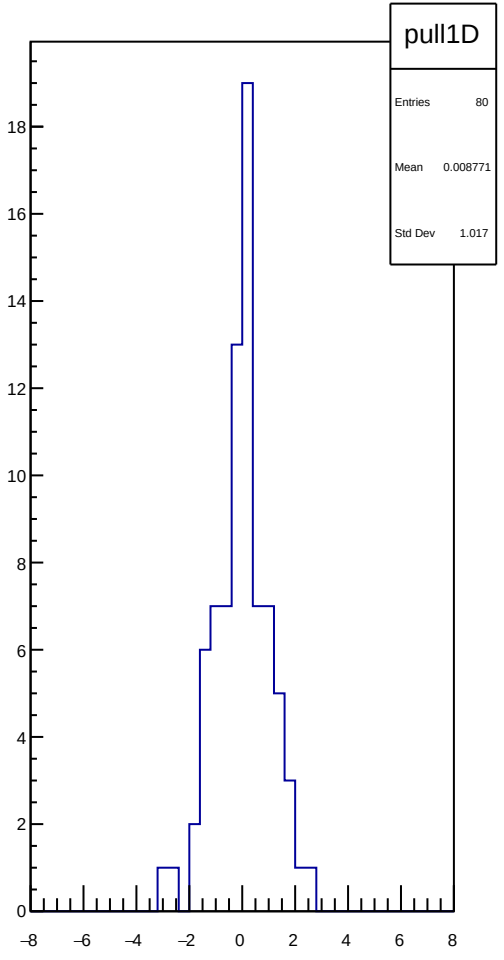

dit_asym_usr_rms vs run
χ² / ndf 91.88 / 79
p0 1098 ± 0.8786
1130
1120
1110
1100
1090
1080
1070

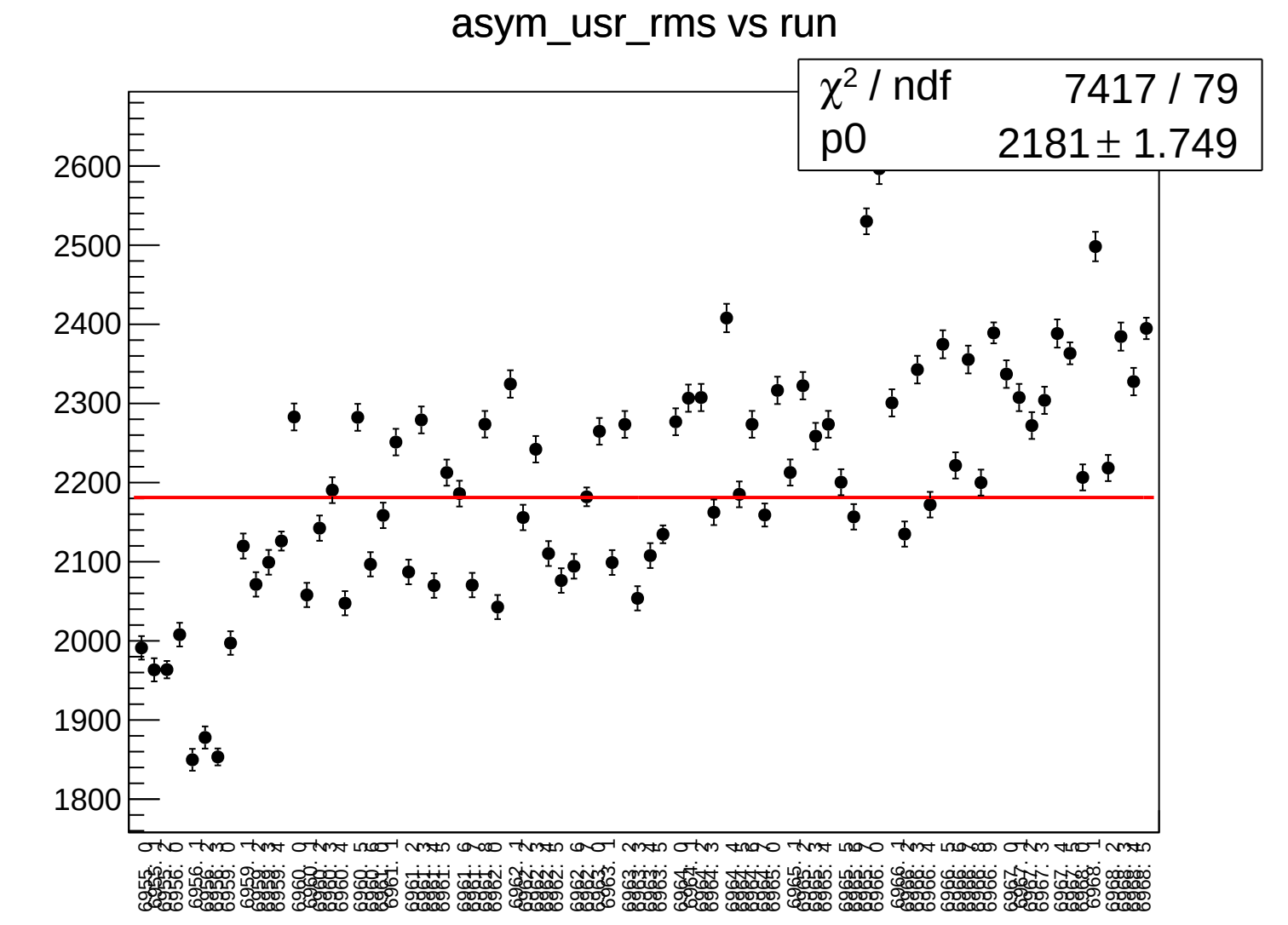

asym_usr_correction_mean vs run
χ² / ndf 91.3 / 79
p0 −1109 ± 2136
pull
Entries 80
Mean 0.8978
Std Dev 13.13

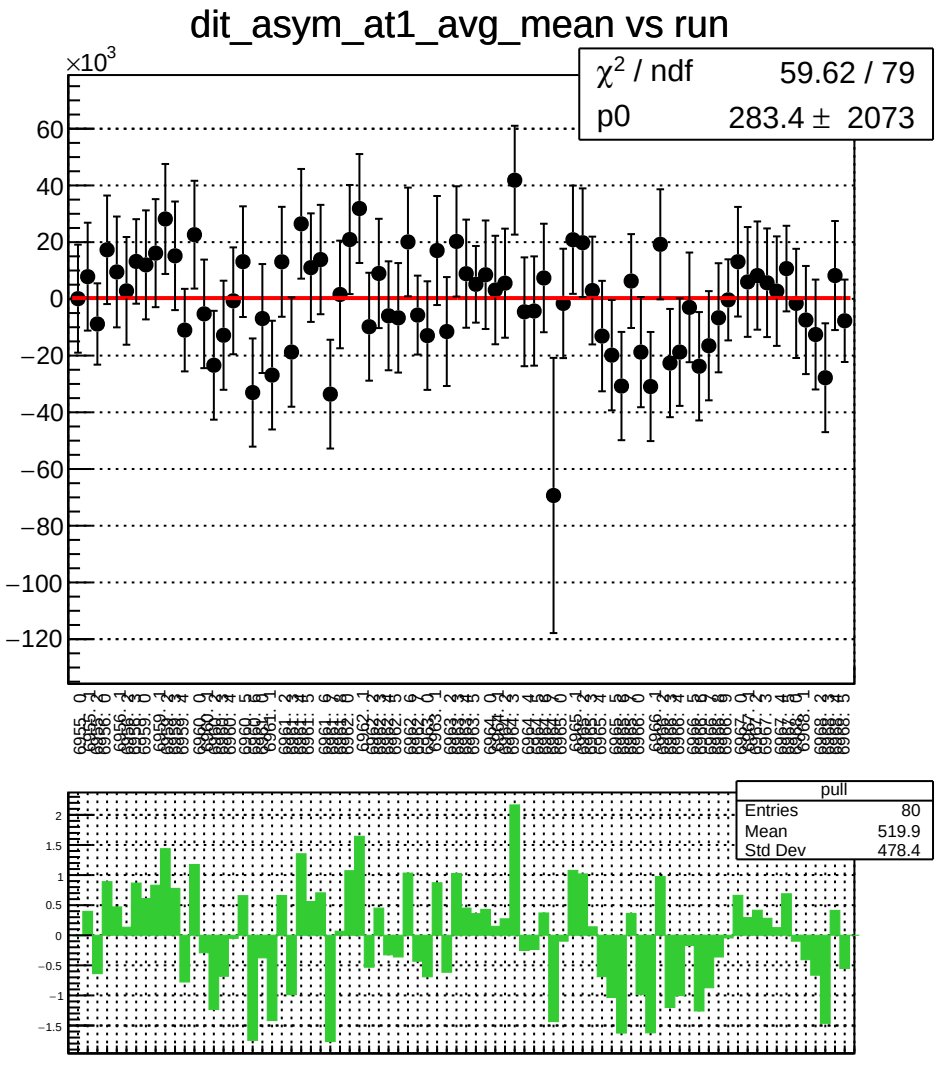

pull1D
Entries 80
Mean −0.02723
Std Dev 1.068

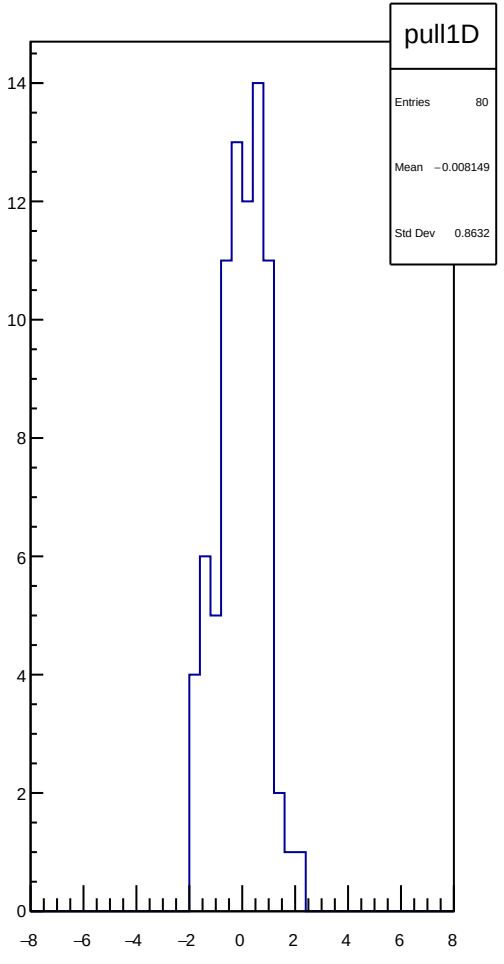

asym_usr_correction_rms vs run
χ² / ndf 1.281e+04 / 79
p0 1880 ± 1.51
2300
2200
2100
2000
1900
1800
1700
1600
1500

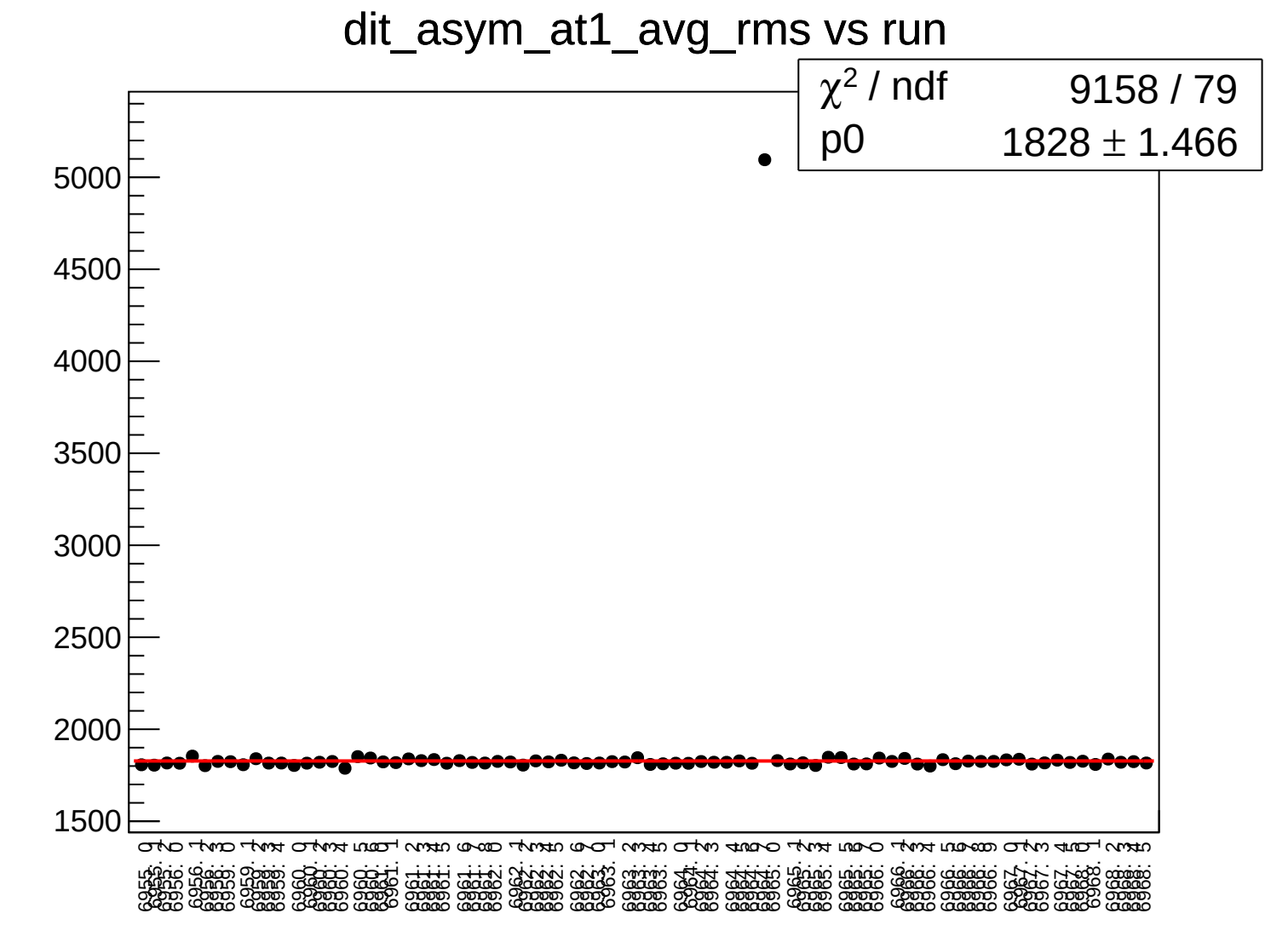

asym_usr_mean vs run
×10^3
χ² / ndf 82.74 / 79
p0 −1112 ± 2473
pull
Entries 80
Mean −193.2
Std Dev 231.5

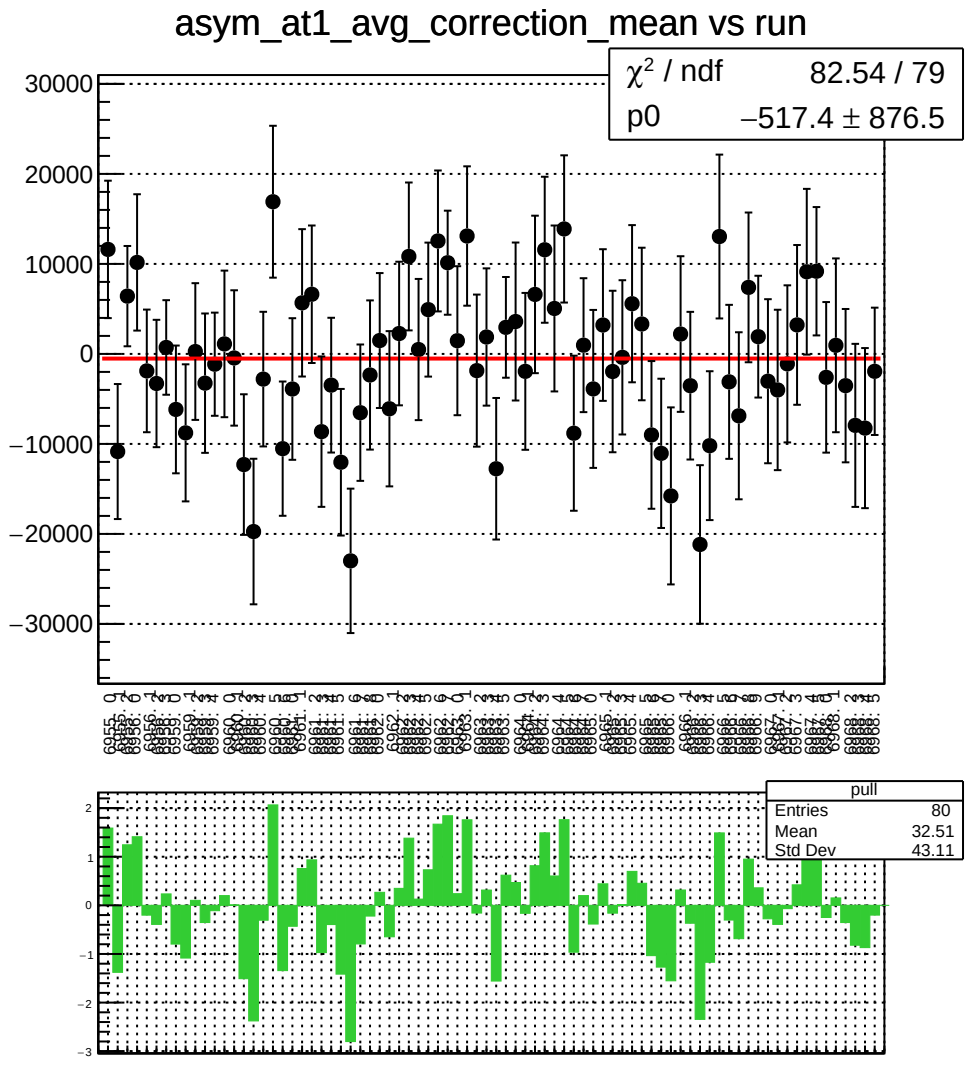

pull1D
Entries 80
Mean 0.008771
Std Dev 1.017

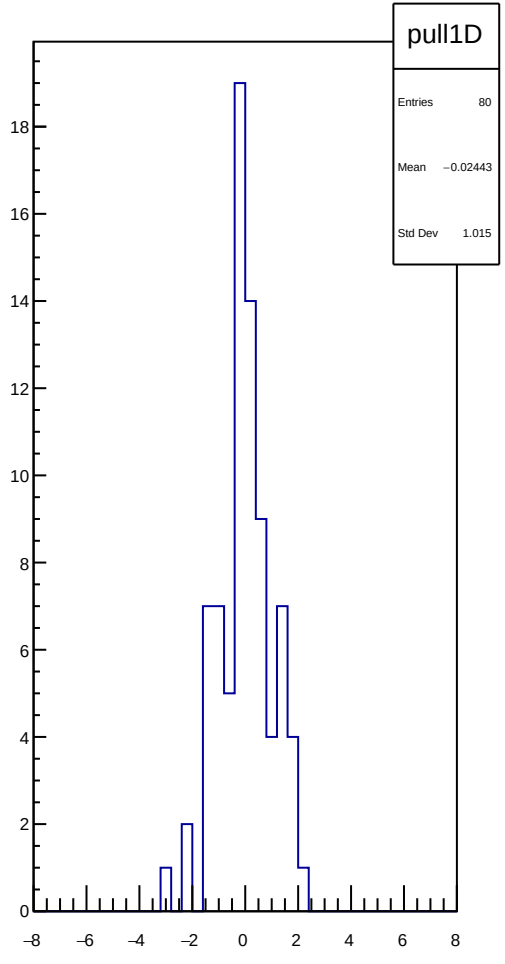

asym_usr_rms vs run
χ² / ndf 7417 / 79
p0 2181 ± 1.749
2600
2500
2400
2300
2200
2100
2000
1900
1800

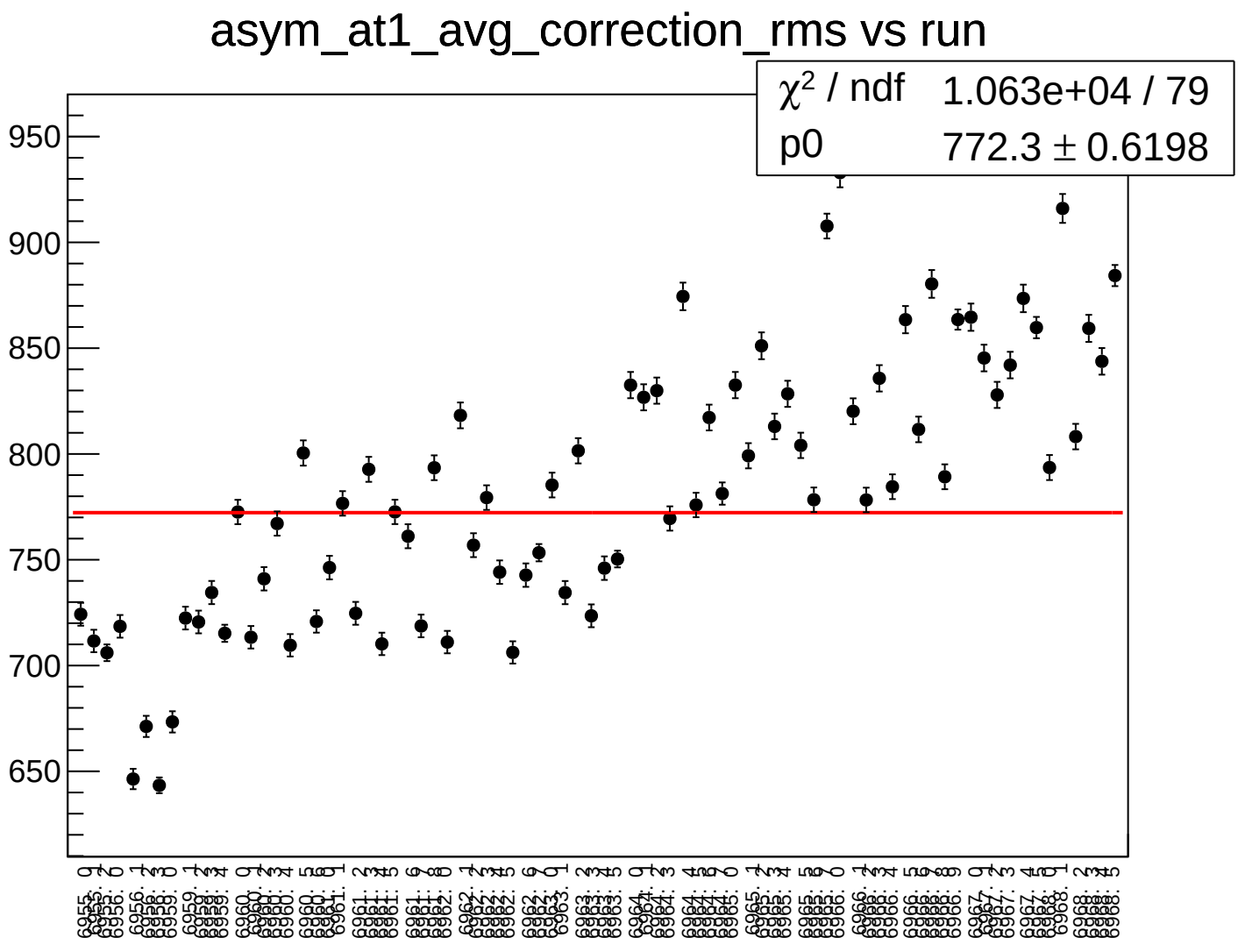

dit_asym_at1_avg_mean vs run
χ² / ndf 59.62 / 79
p0 283.4 ± 2073
×10³
pull
Entries 80
Mean 519.9
Std Dev 478.4

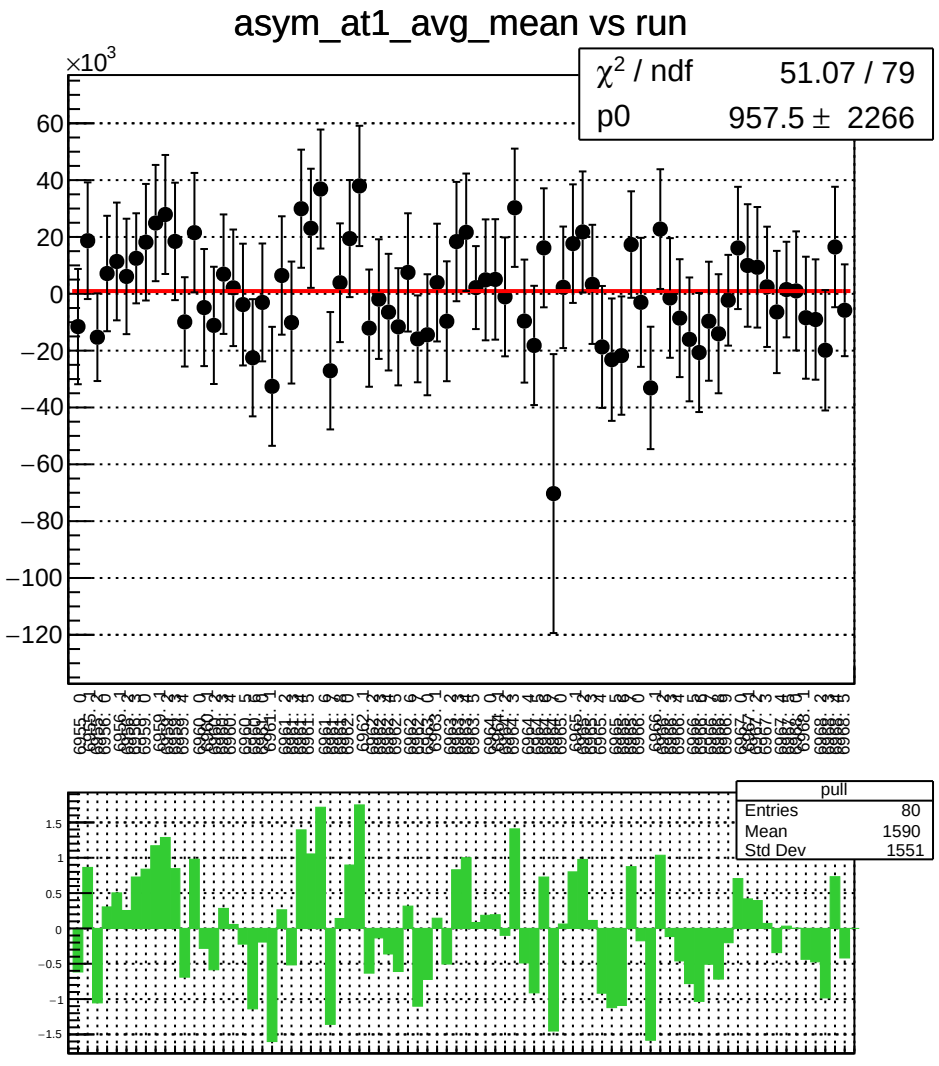

pull1D
Entries 80
Mean −0.008149
Std Dev 0.8632

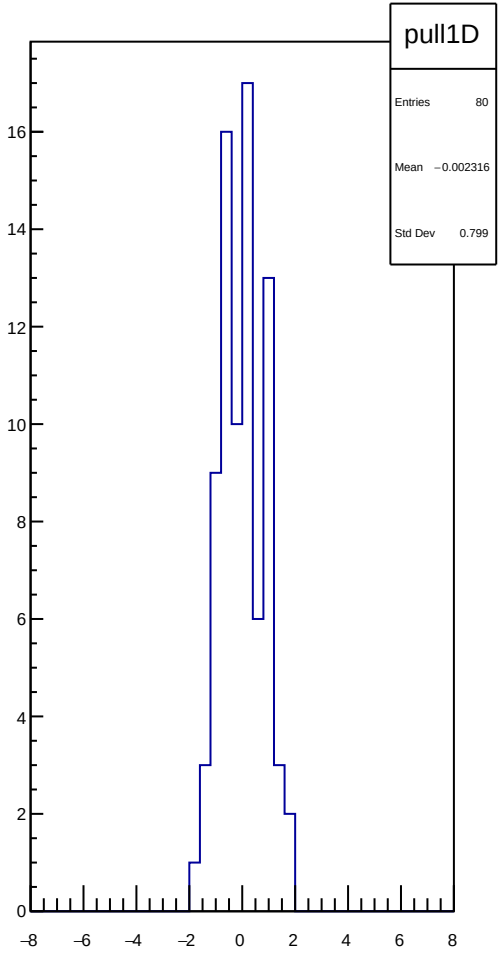

dit_asym_at1_avg_rms vs run
χ^2 / ndf 9158 / 79
p0 1828 ± 1.466
5000
4500
4000
3500
3000
2500
2000
1500

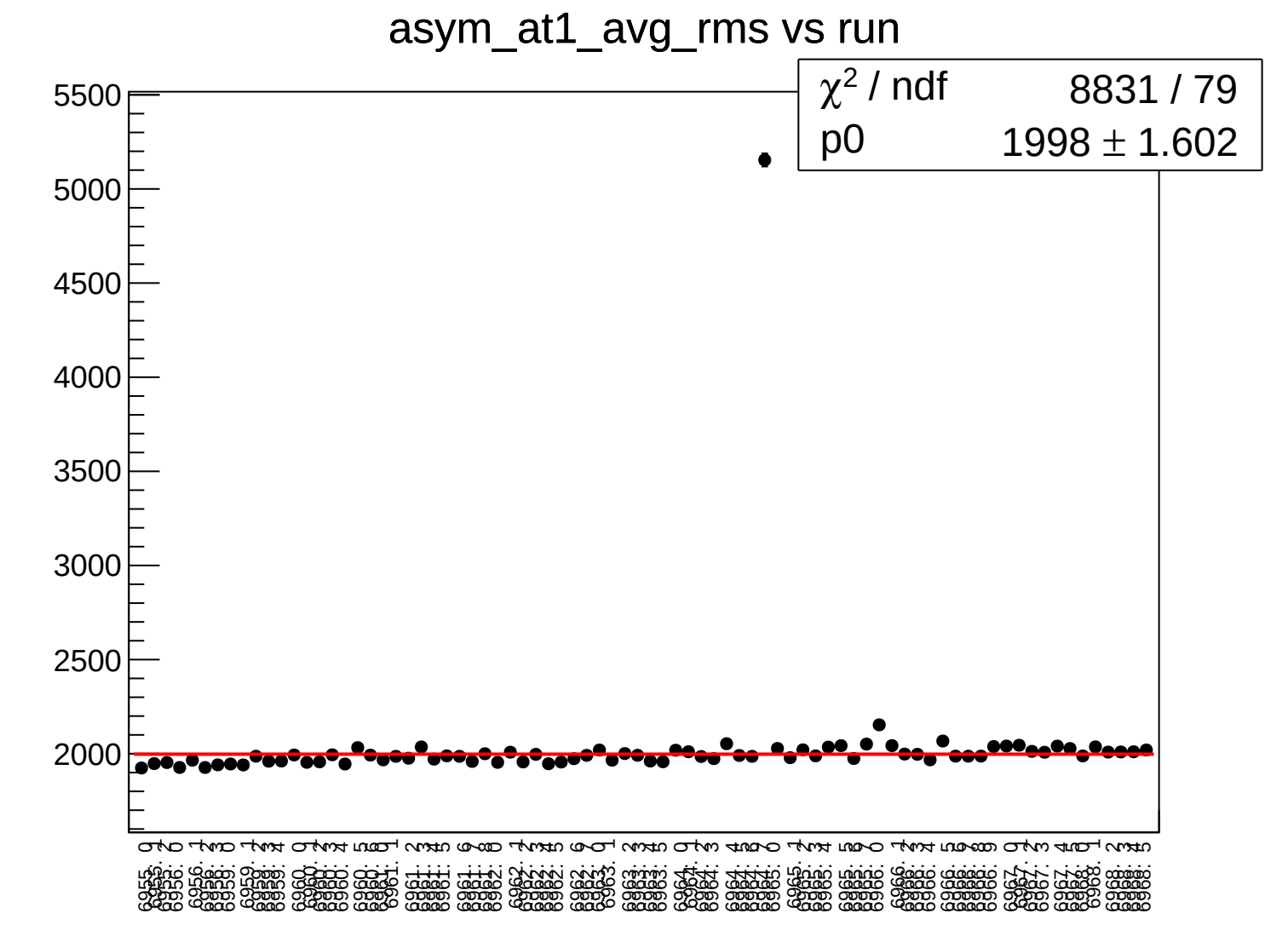

asym_at1_avg_correction_mean vs run
χ² / ndf 82.54 / 79
p0 −517.4 ± 876.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 32.51
Std Dev 43.11
2
1
0
−1
−2
−3

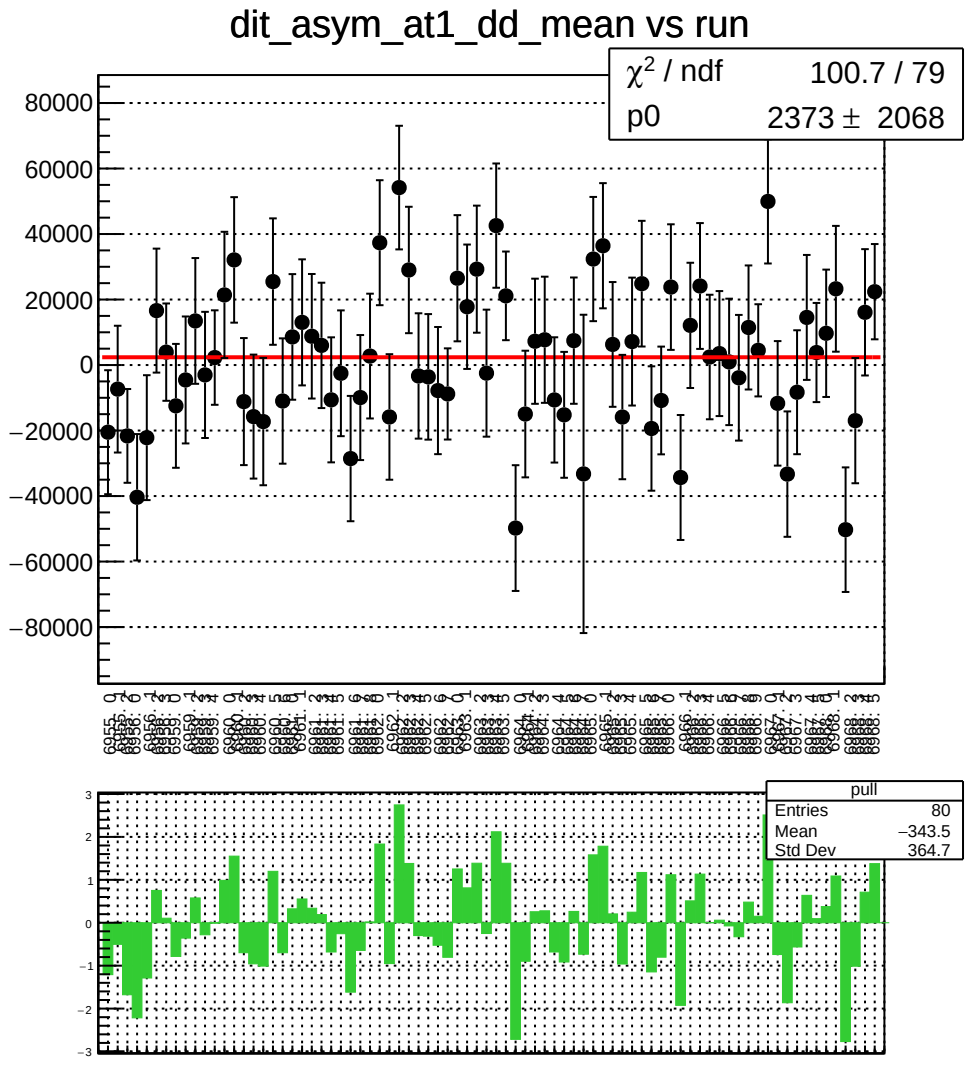

pull1D
Entries 80
Mean −0.02443
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

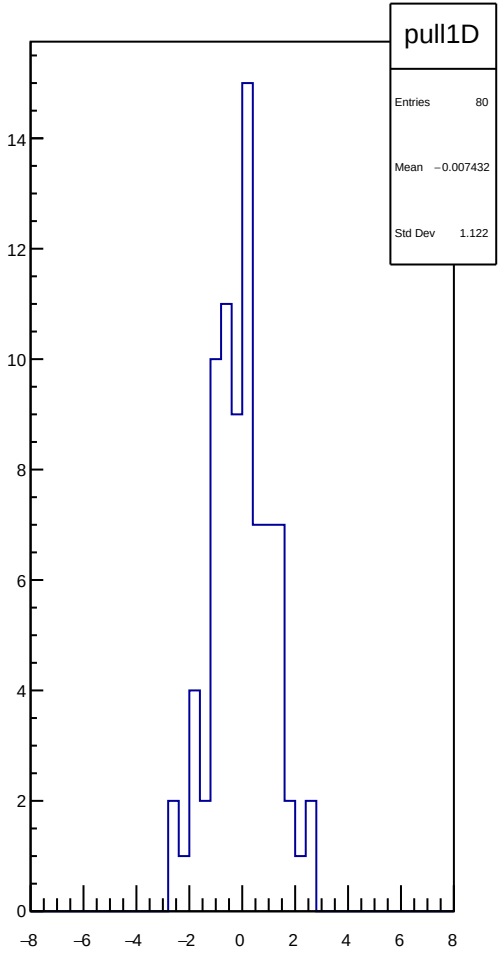

asym_at1_avg_correction_rms vs run
χ² / ndf 1.063e+04 / 79
p0 772.3 ± 0.6198
950
900
850
800
750
700
650

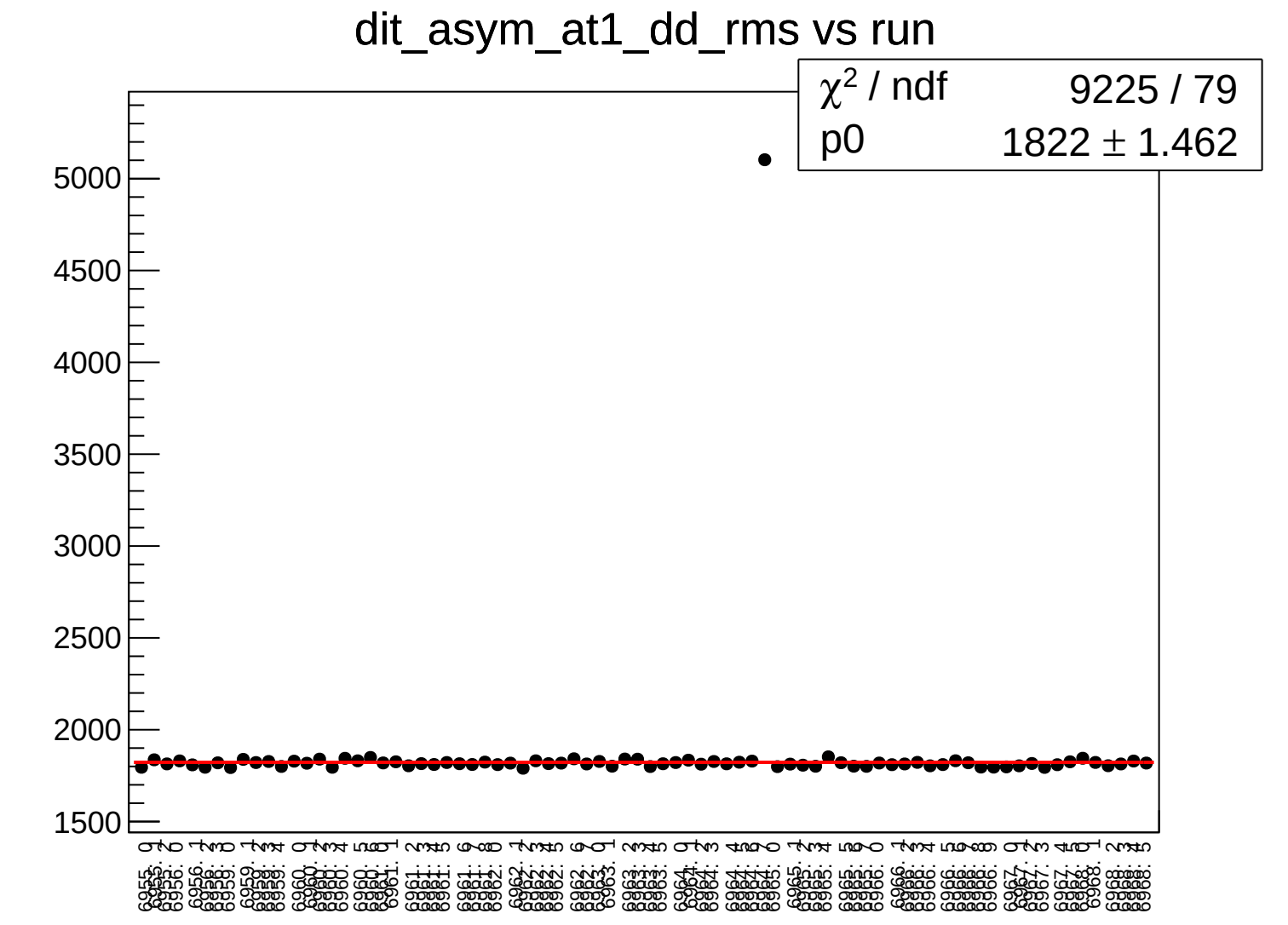

asym_at1_avg_mean vs run
×10^3
χ² / ndf 51.07 / 79
p0 957.5 ± 2266
pull
Entries 80
Mean 1590
Std Dev 1551

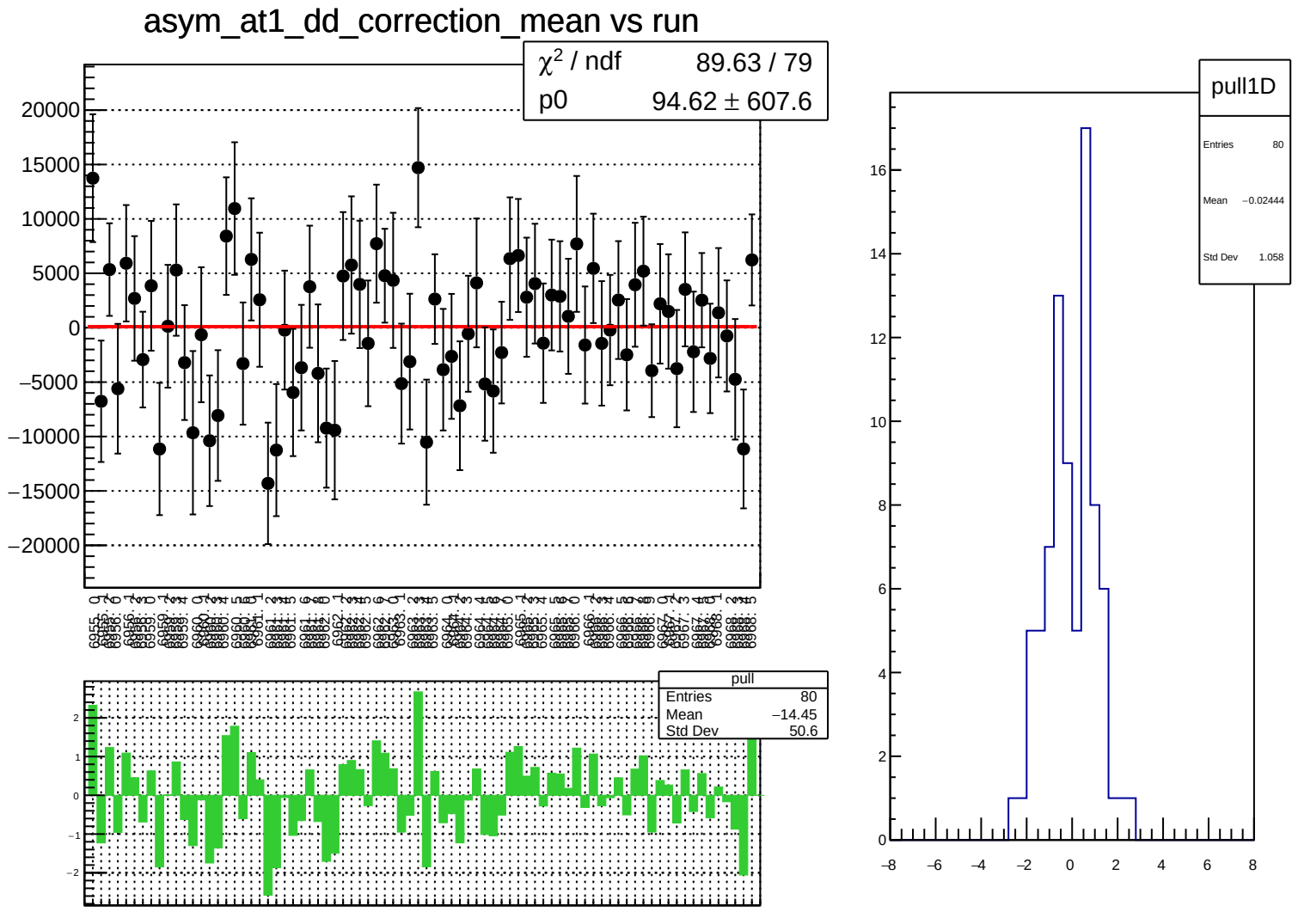

pull1D
Entries 80
Mean −0.002316
Std Dev 0.799

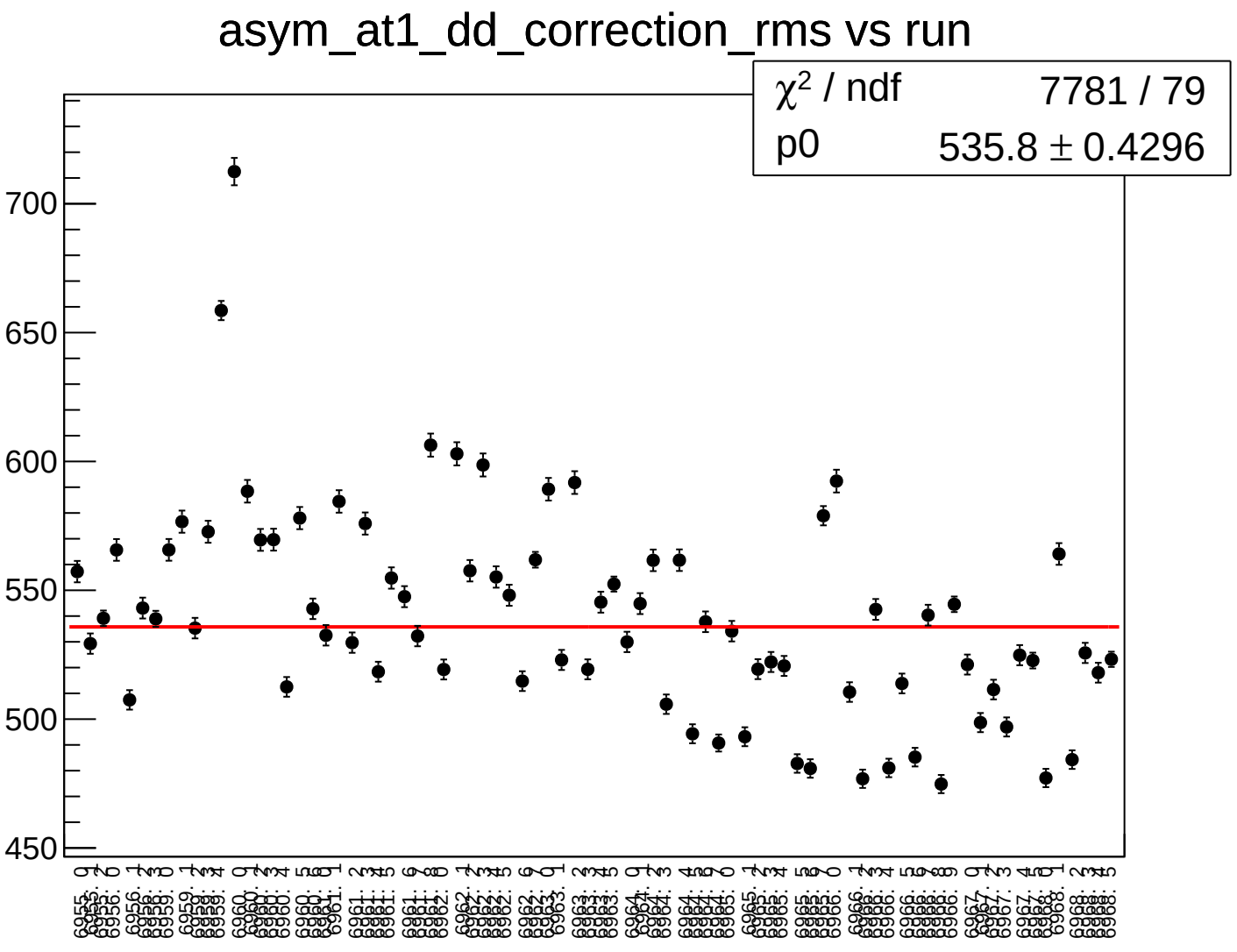

asym_at1_avg_rms vs run
χ^2 / ndf 8831 / 79
p0 1998 ± 1.602
5500
5000
4500
4000
3500
3000
2500
2000

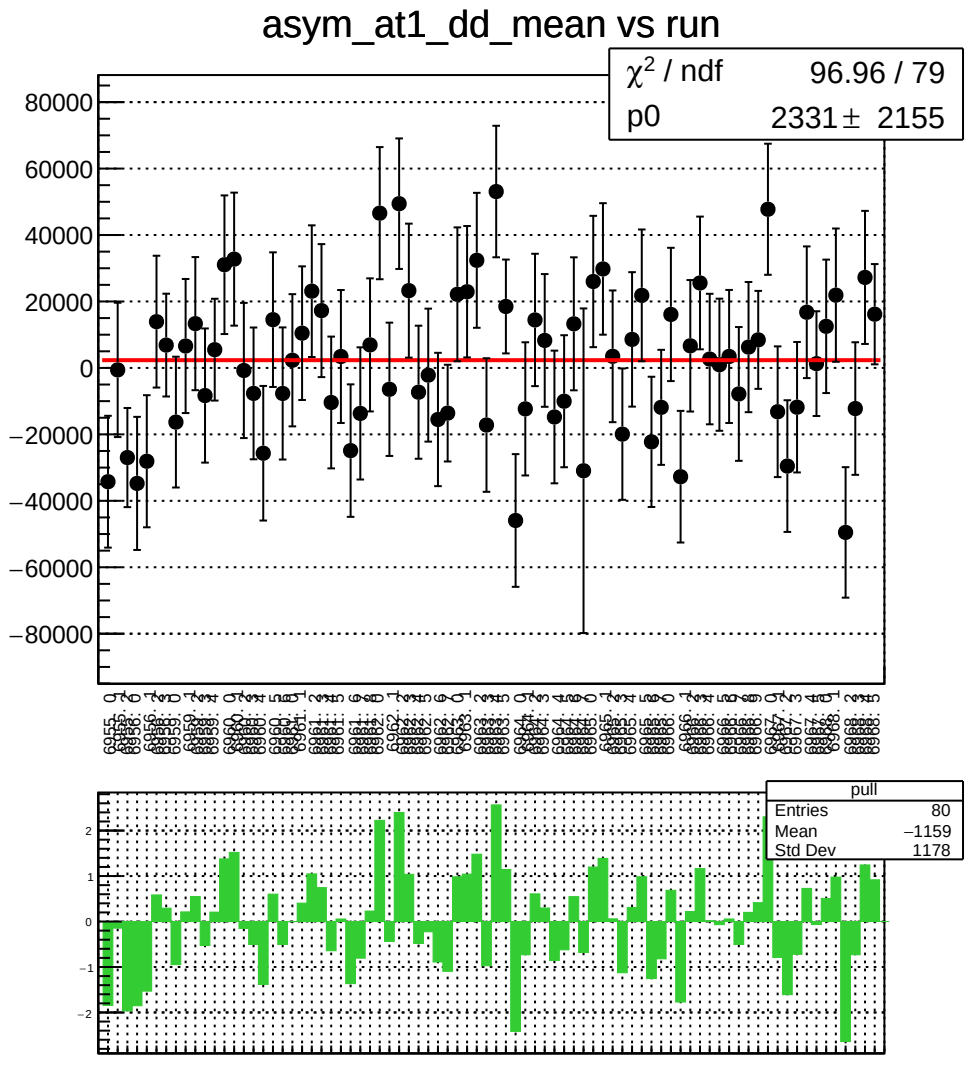

dit_asym_at1_dd_mean vs run
χ² / ndf 100.7 / 79
p0 2373 ± 2068
pull
Entries 80
Mean −343.5
Std Dev 364.7

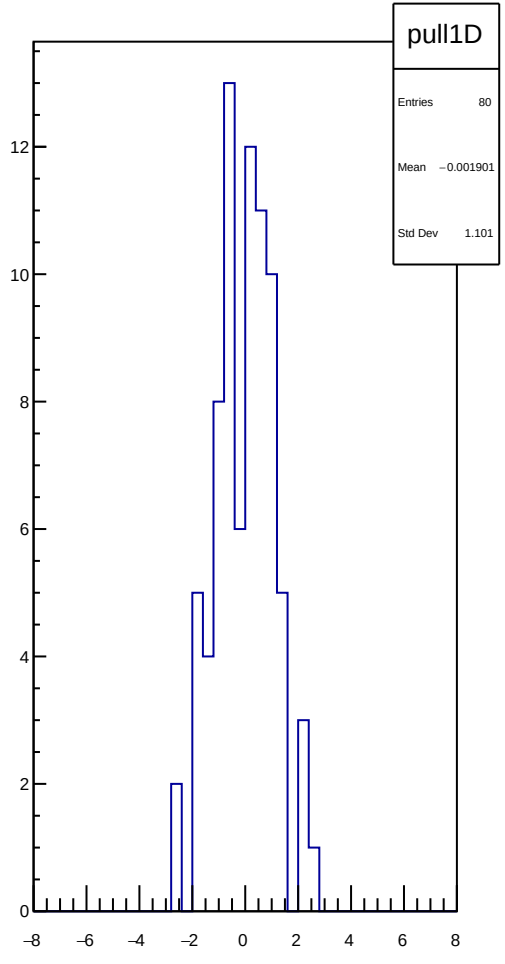

pull1D
Entries 80
Mean −0.007432
Std Dev 1.122

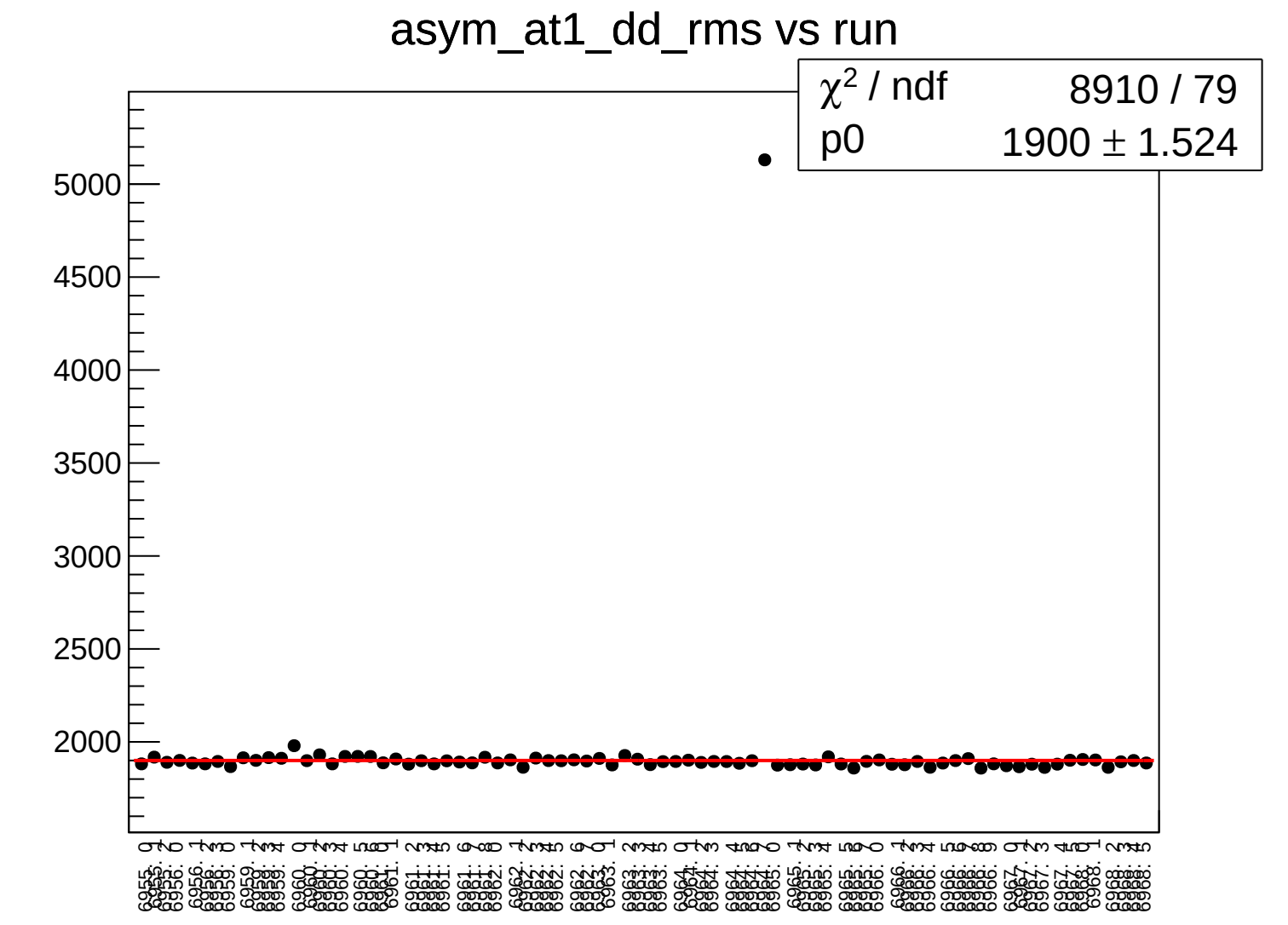

dit_asym_at1_dd_rms vs run
χ^2 / ndf 9225 / 79
p0 1822 ± 1.462
5000
4500
4000
3500
3000
2500
2000
1500

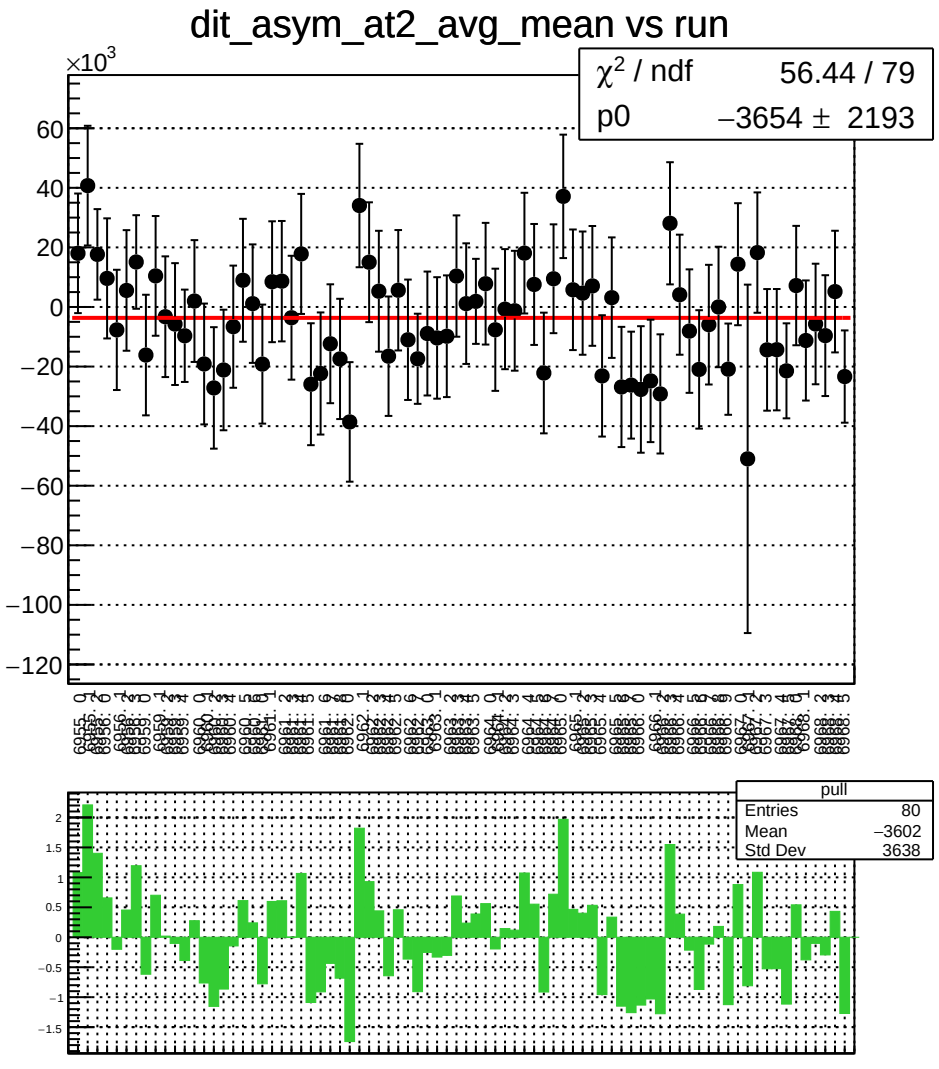

asym_at1_dd_correction_mean vs run
χ² / ndf 89.63 / 79
p0 94.62 ± 607.6
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −14.45
Std Dev 50.6
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02444
Std Dev 1.058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

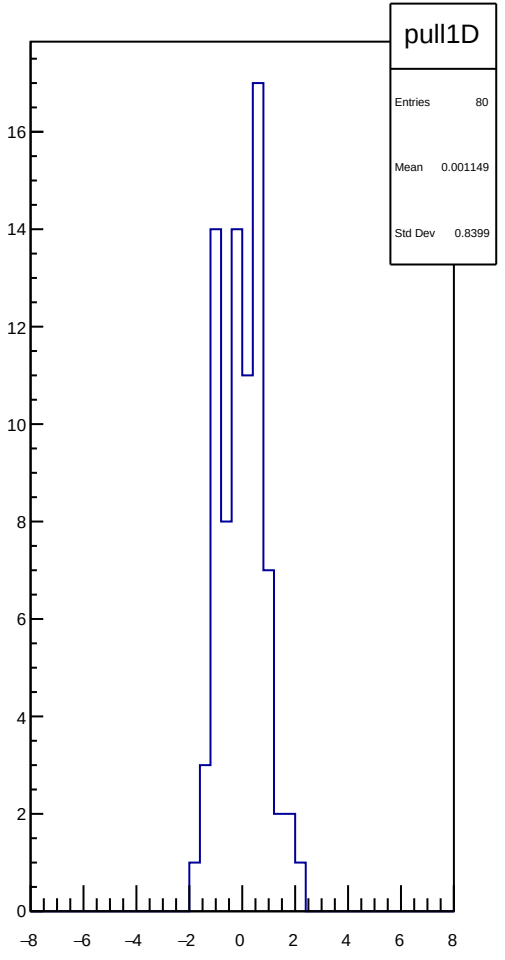

asym_at1_dd_correction_rms vs run
χ² / ndf 7781 / 79
p0 535.8 ± 0.4296
700
650
600
550
500
450

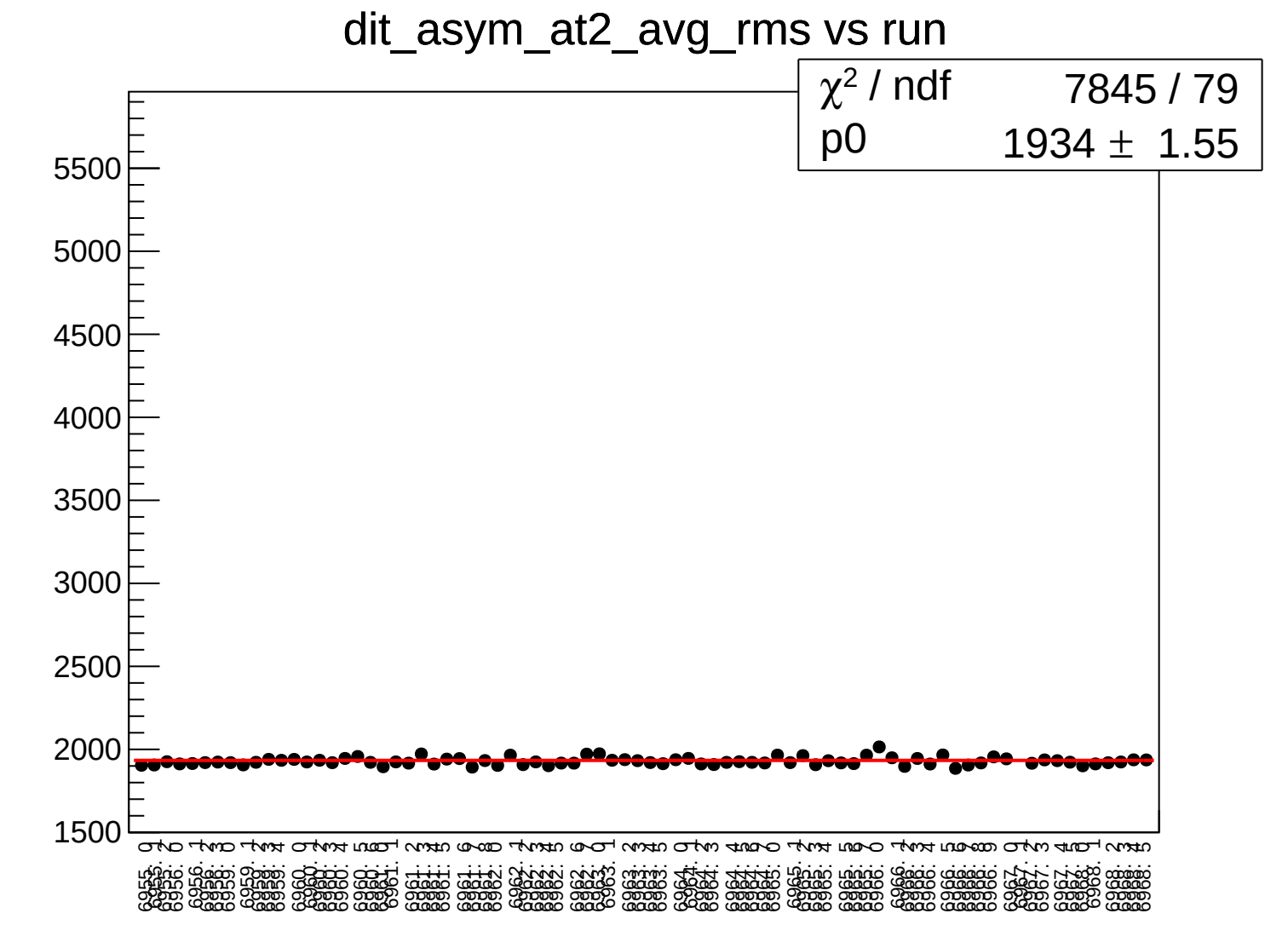

asym_at1_dd_mean vs run
χ² / ndf 96.96 / 79
p0 2331 ± 2155
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −1159
Std Dev 1178
2
1
0
−1
−2

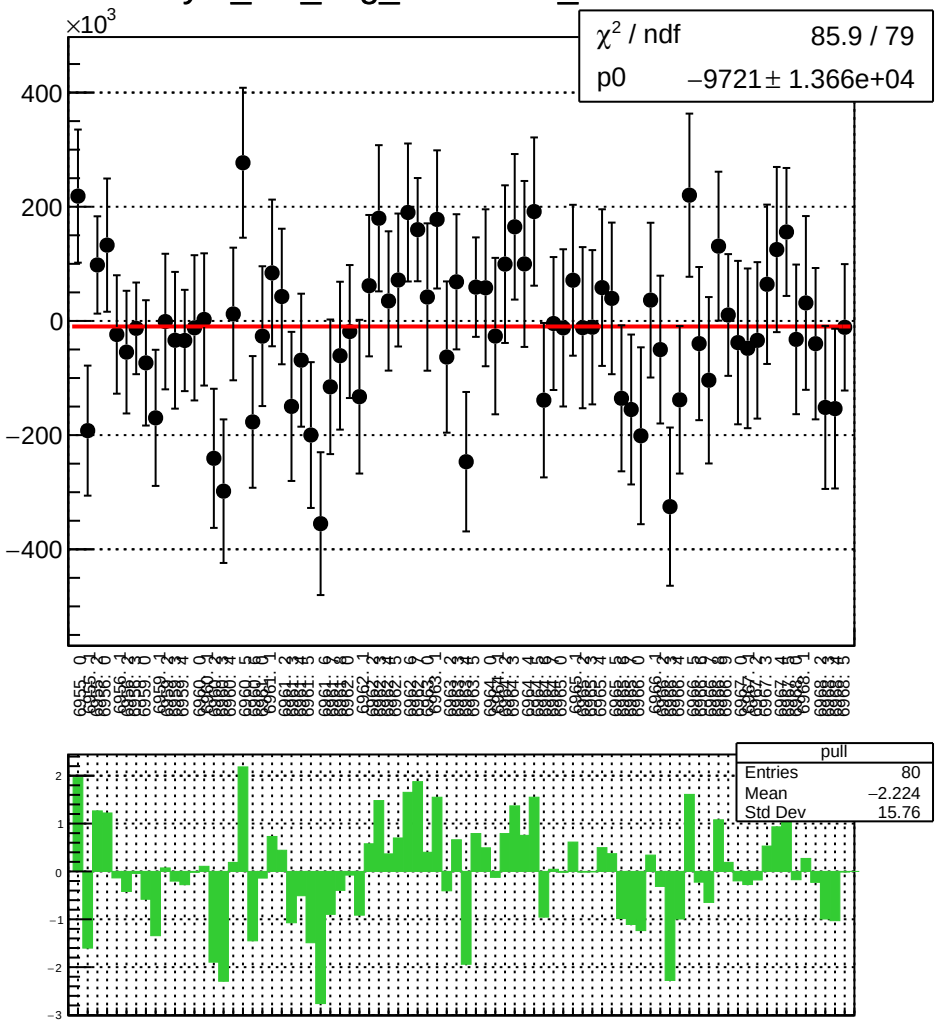

pull1D
Entries 80
Mean −0.001901
Std Dev 1.101
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

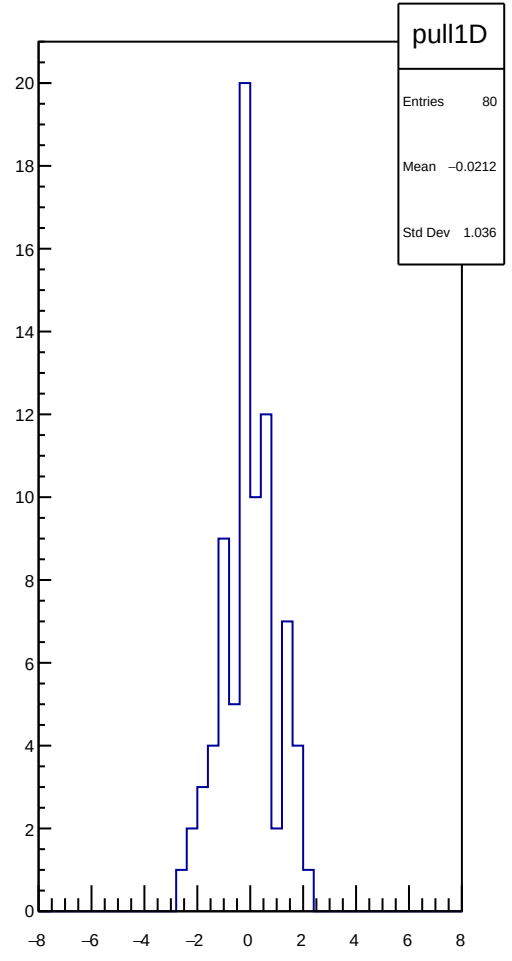

asym_at1_dd_rms vs run
χ^2 / ndf 8910 / 79
p0 1900 ± 1.524
5000
4500
4000
3500
3000
2500
2000

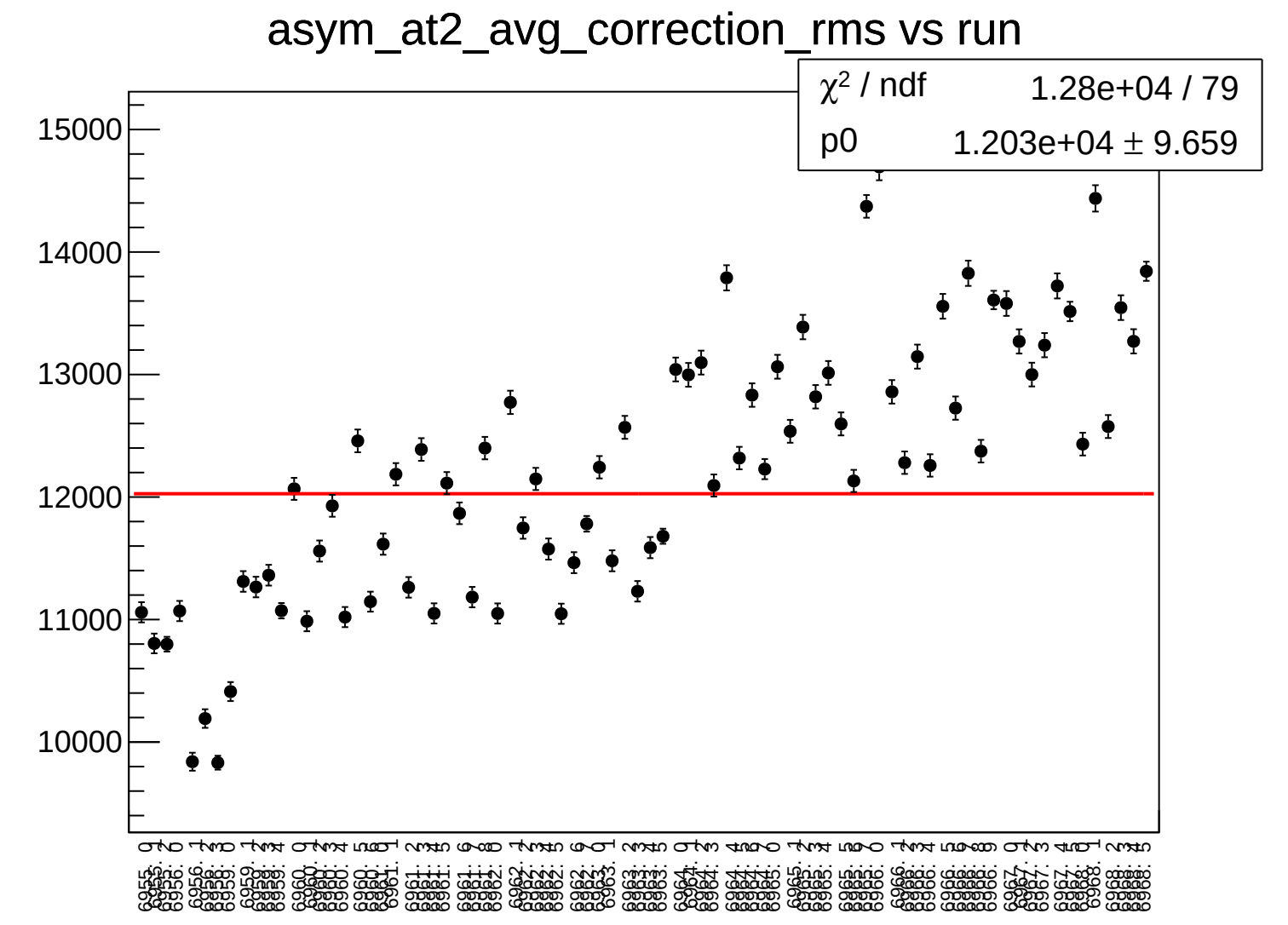

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 56.44 / 79
p0 −3654 ± 2193
pull
Entries 80
Mean −3602
Std Dev 3638

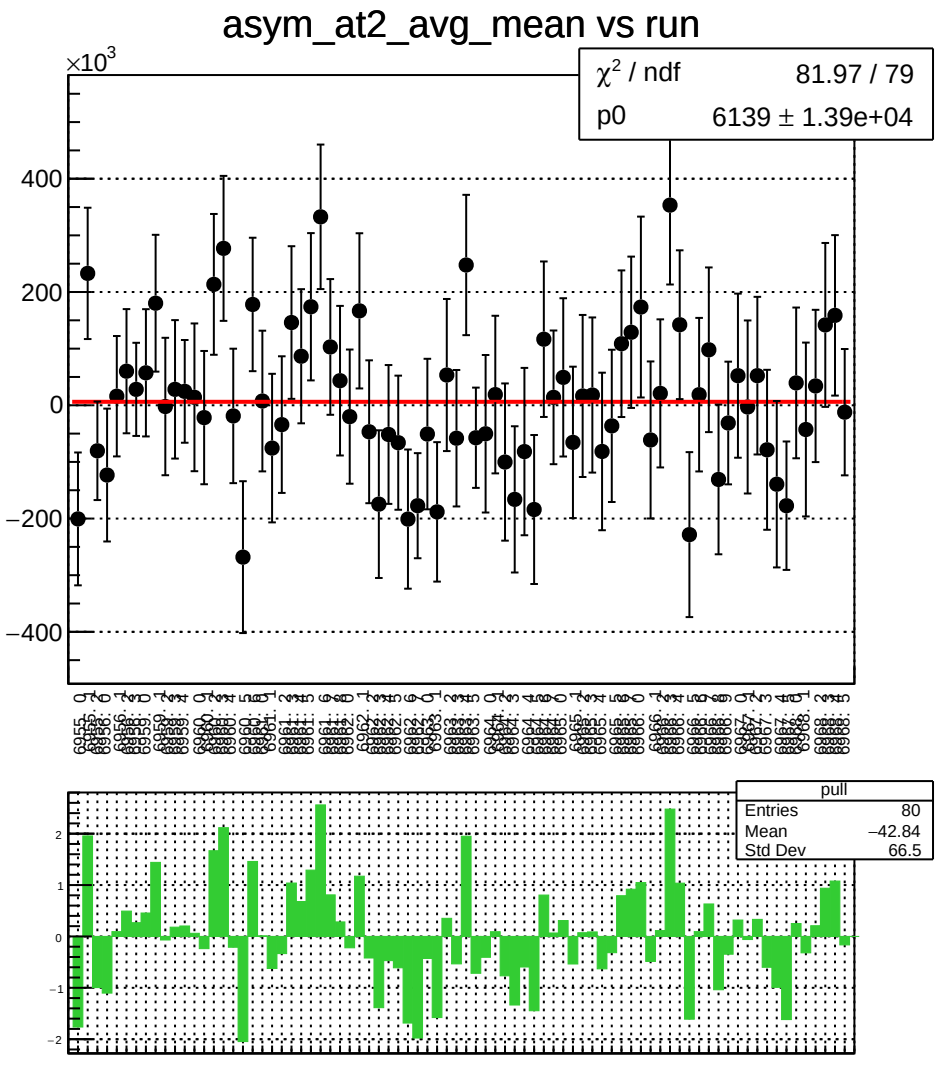

pull1D
Entries 80
Mean 0.001149
Std Dev 0.8399

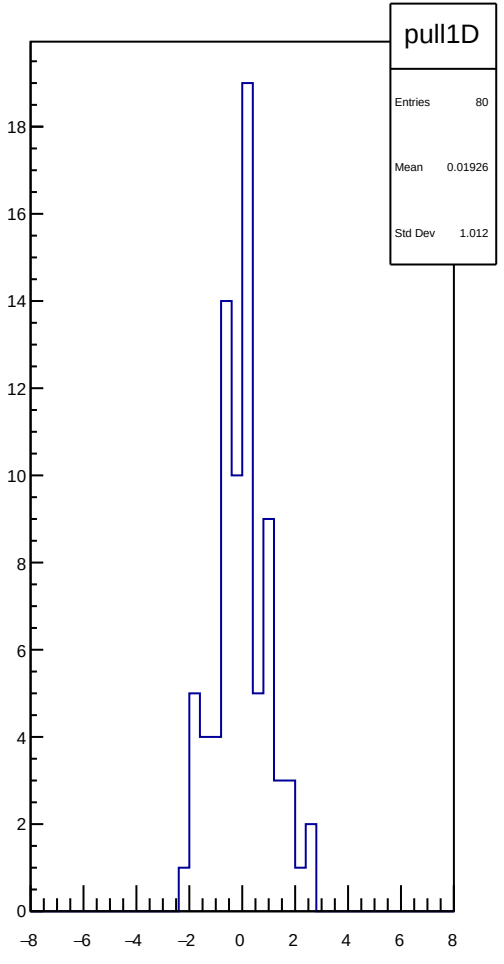

dit_asym_at2_avg_rms vs run
χ² / ndf 7845 / 79
p0 1934 ± 1.55
5500
5000
4500
4000
3500
3000
2500
2000
1500

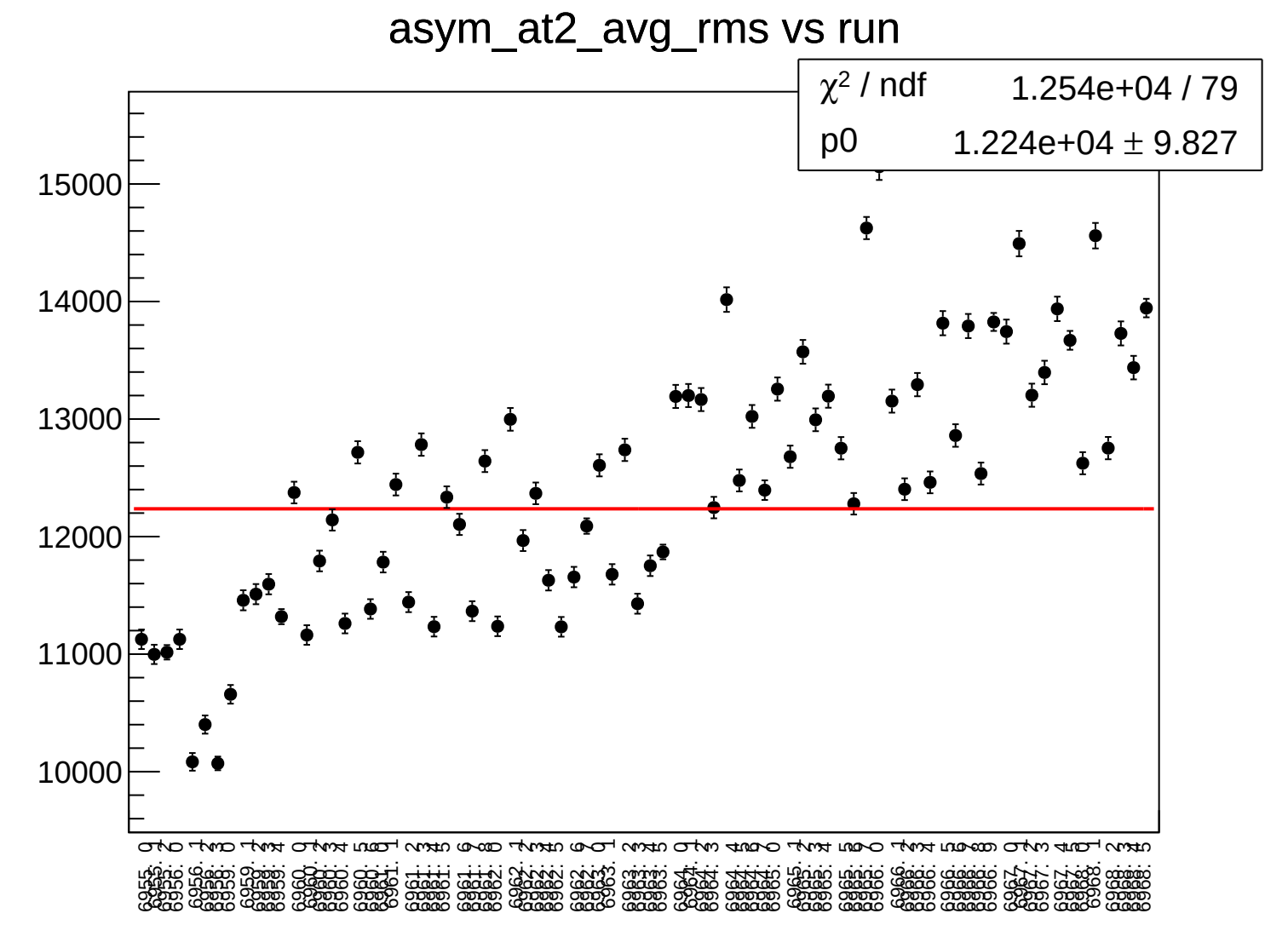

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 85.9 / 79
p0 −9721 ± 1.366e+04
400
200
0
−200
−400
pull
Entries 80
Mean −2.224
Std Dev 15.76
2
1
0
−1
−2
−3

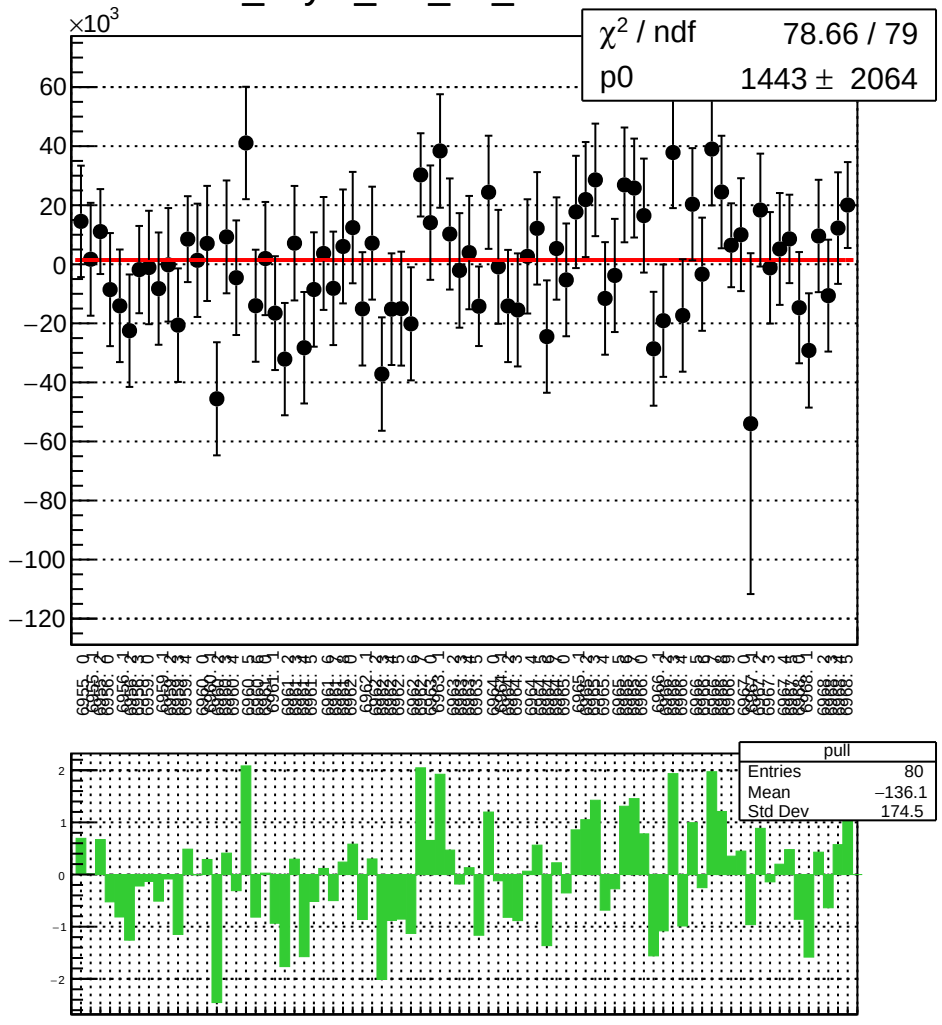

pull1D
Entries 80
Mean −0.0212
Std Dev 1.036
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

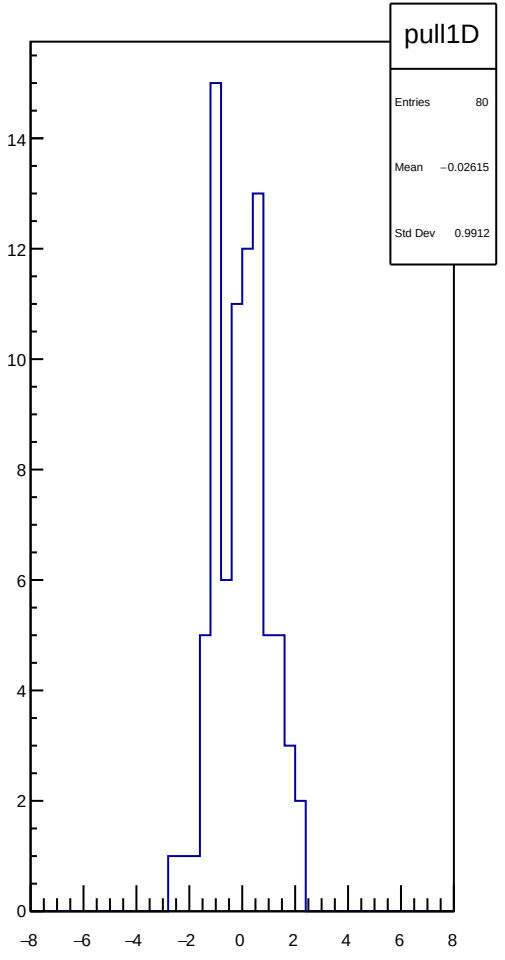

asym_at2_avg_correction_rms vs run
χ² / ndf 1.28e+04 / 79
p0 1.203e+04 ± 9.659
15000
14000
13000
12000
11000
10000

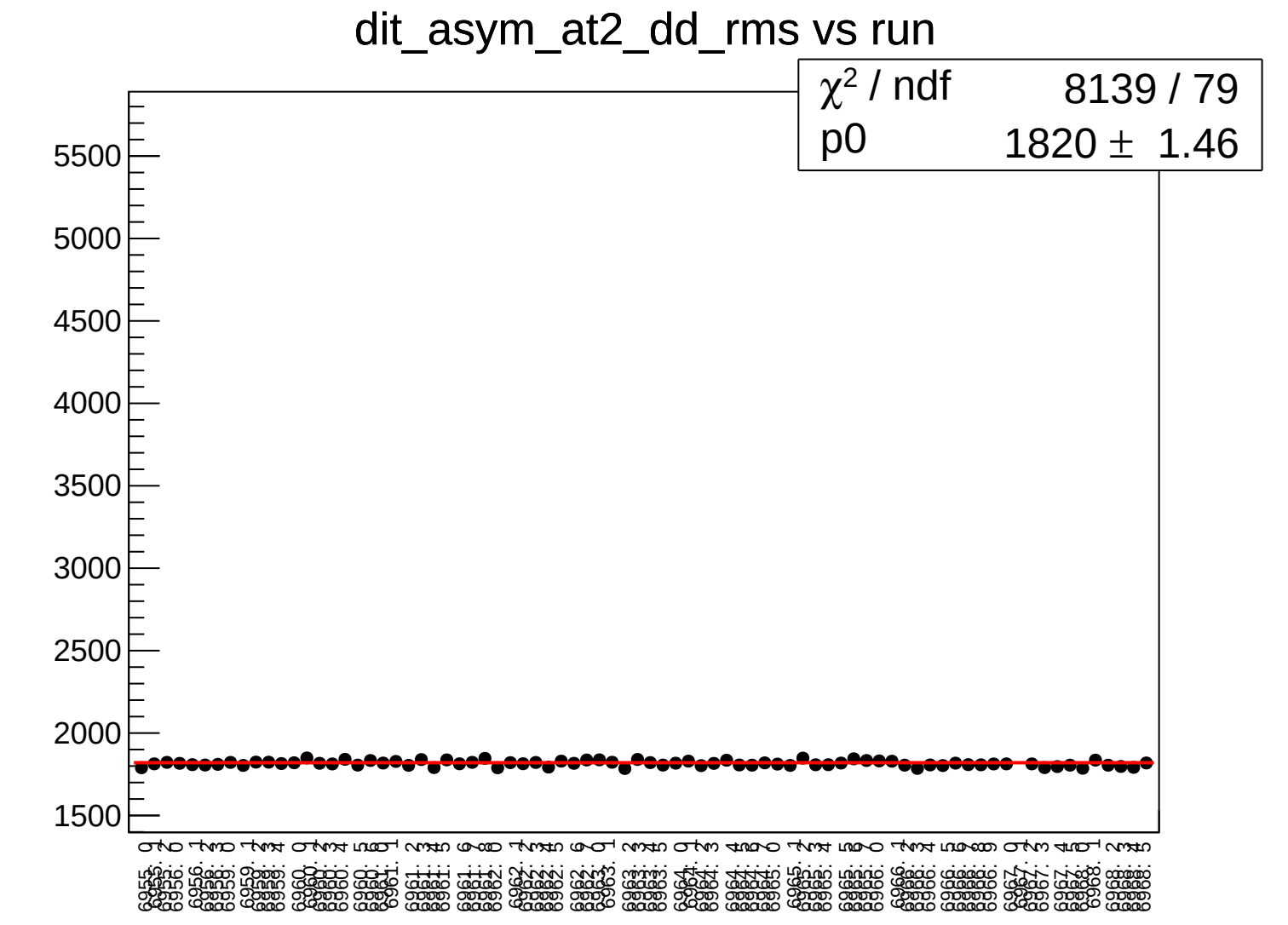

asym_at2_avg_mean vs run
×10^3
χ² / ndf 81.97 / 79
p0 6139 ± 1.39e+04
400
200
0
−200
−400
pull
Entries 80
Mean −42.84
Std Dev 66.5
2
1
0
−1
−2

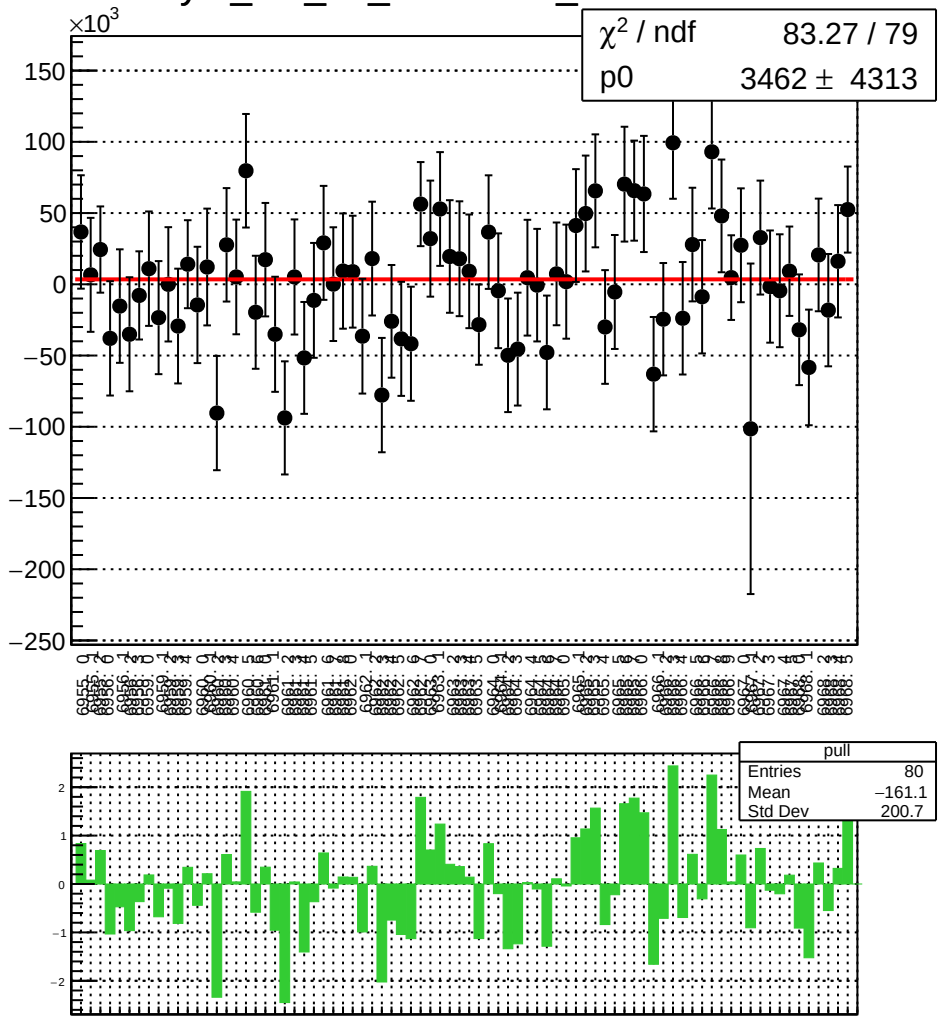

pull1D
Entries 80
Mean 0.01926
Std Dev 1.012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

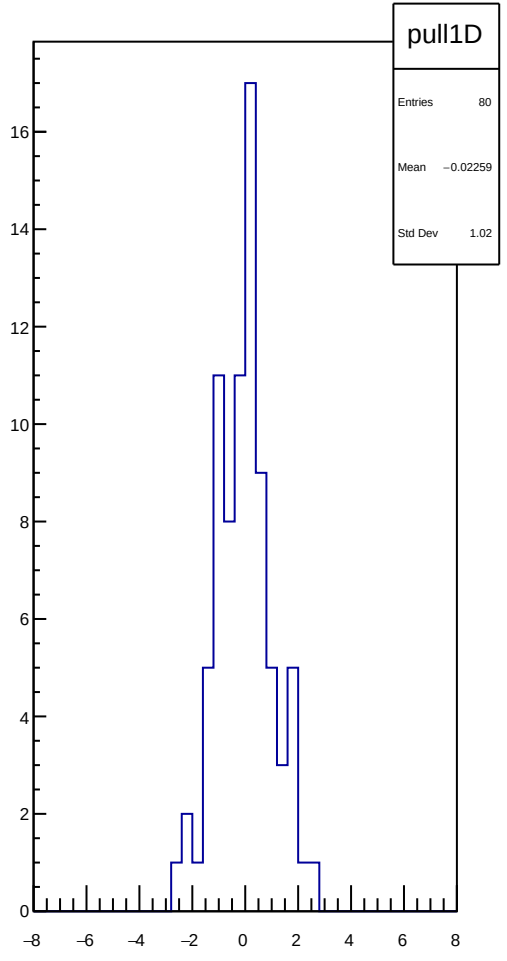

asym_at2_avg_rms vs run
χ² / ndf 1.254e+04 / 79
p0 1.224e+04 ± 9.827
15000
14000
13000
12000
11000
10000

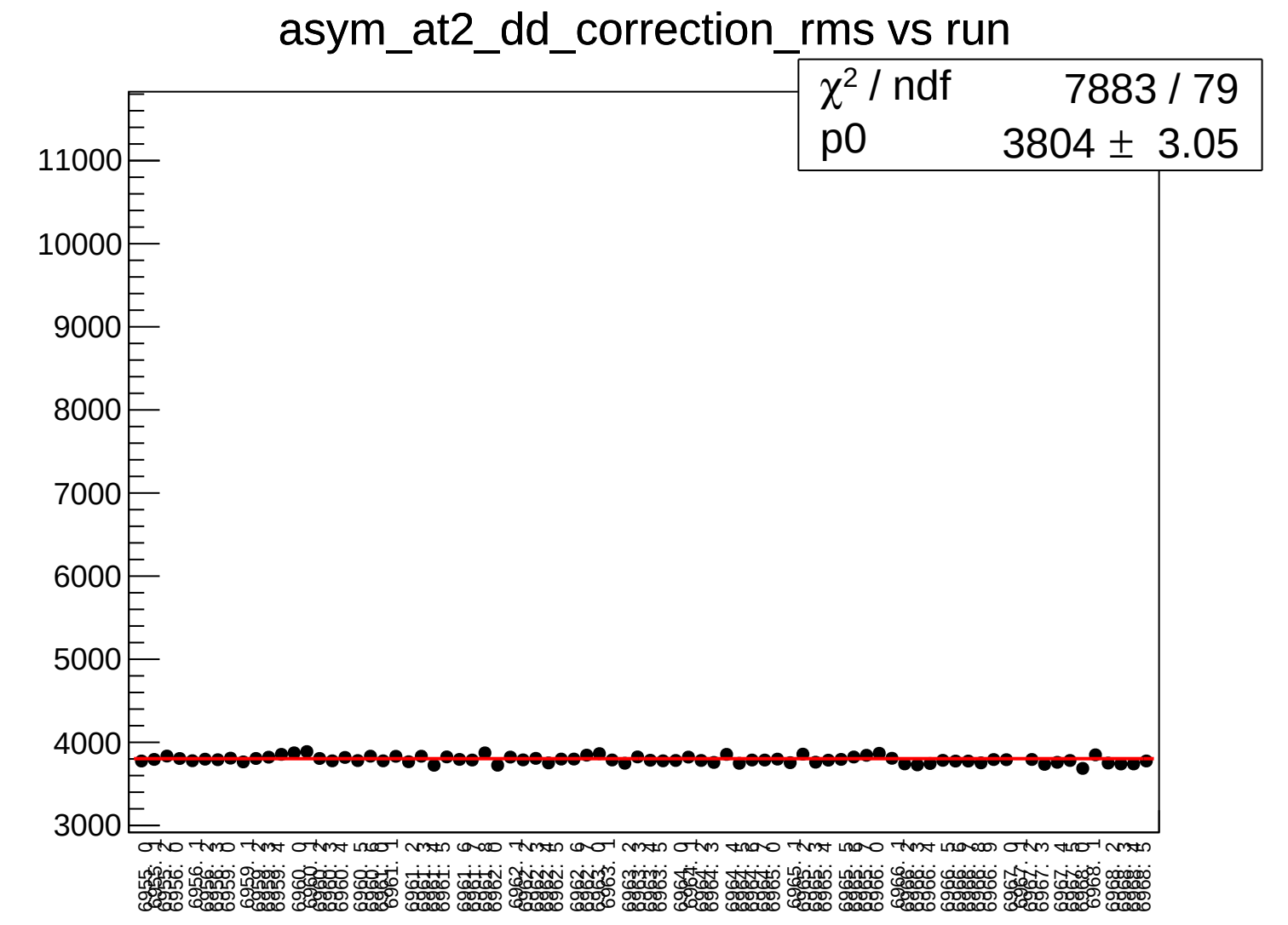

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 78.66 / 79
p0 1443 ± 2064
pull
Entries 80
Mean −136.1
Std Dev 174.5

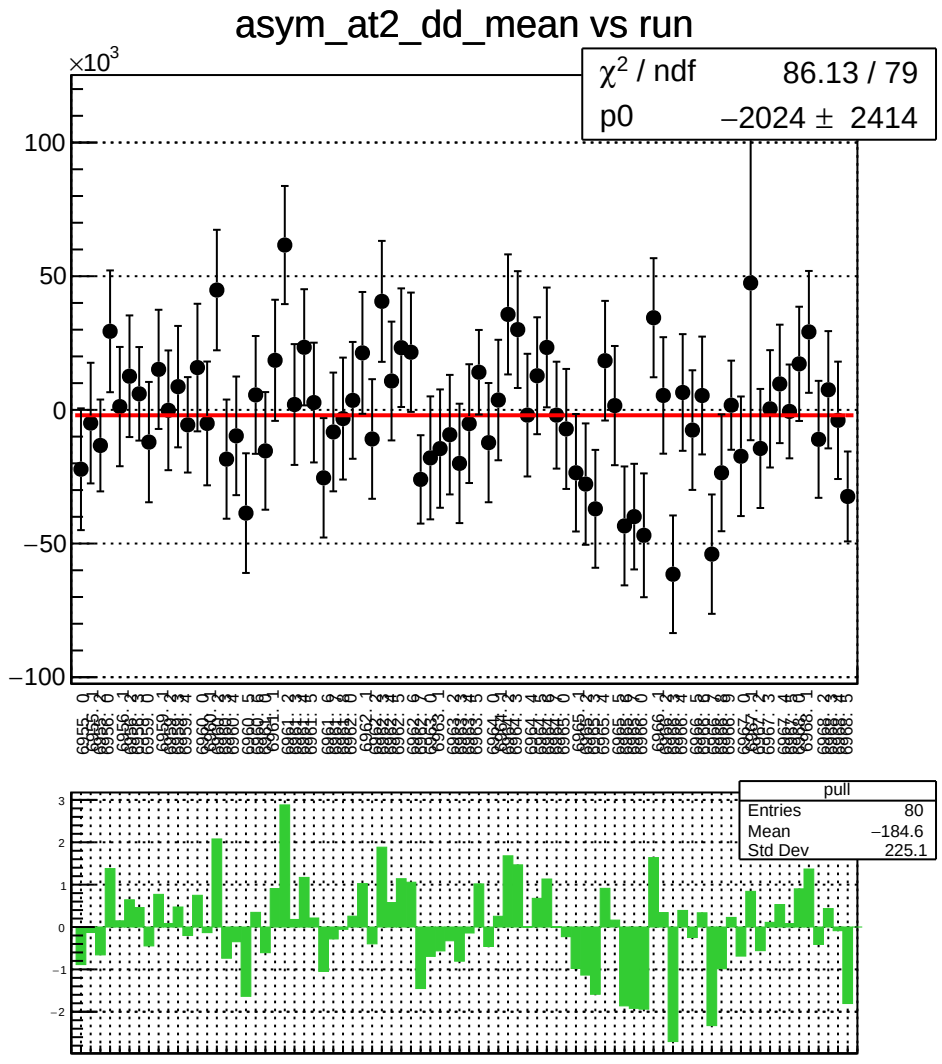

pull1D
Entries 80
Mean −0.02615
Std Dev 0.9912

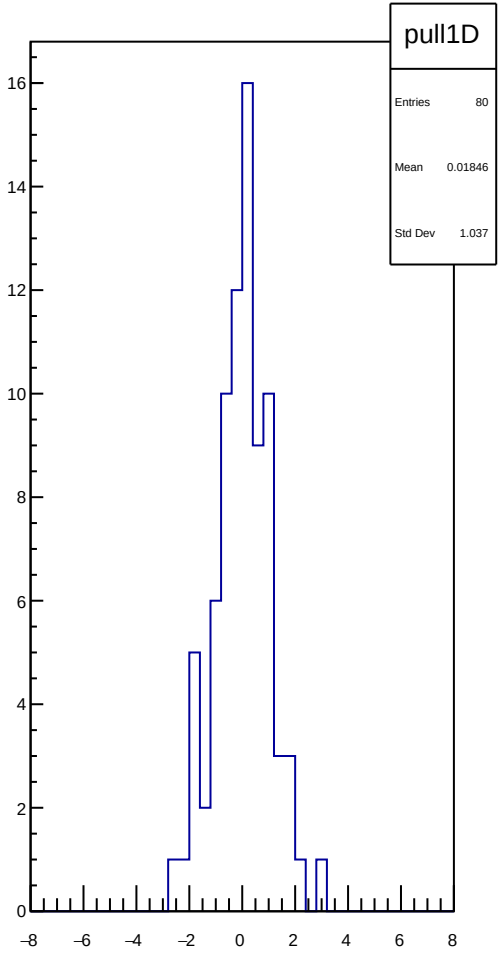

dit_asym_at2_dd_rms vs run
χ² / ndf 8139 / 79
p0 1820 ± 1.46
5500
5000
4500
4000
3500
3000
2500
2000
1500

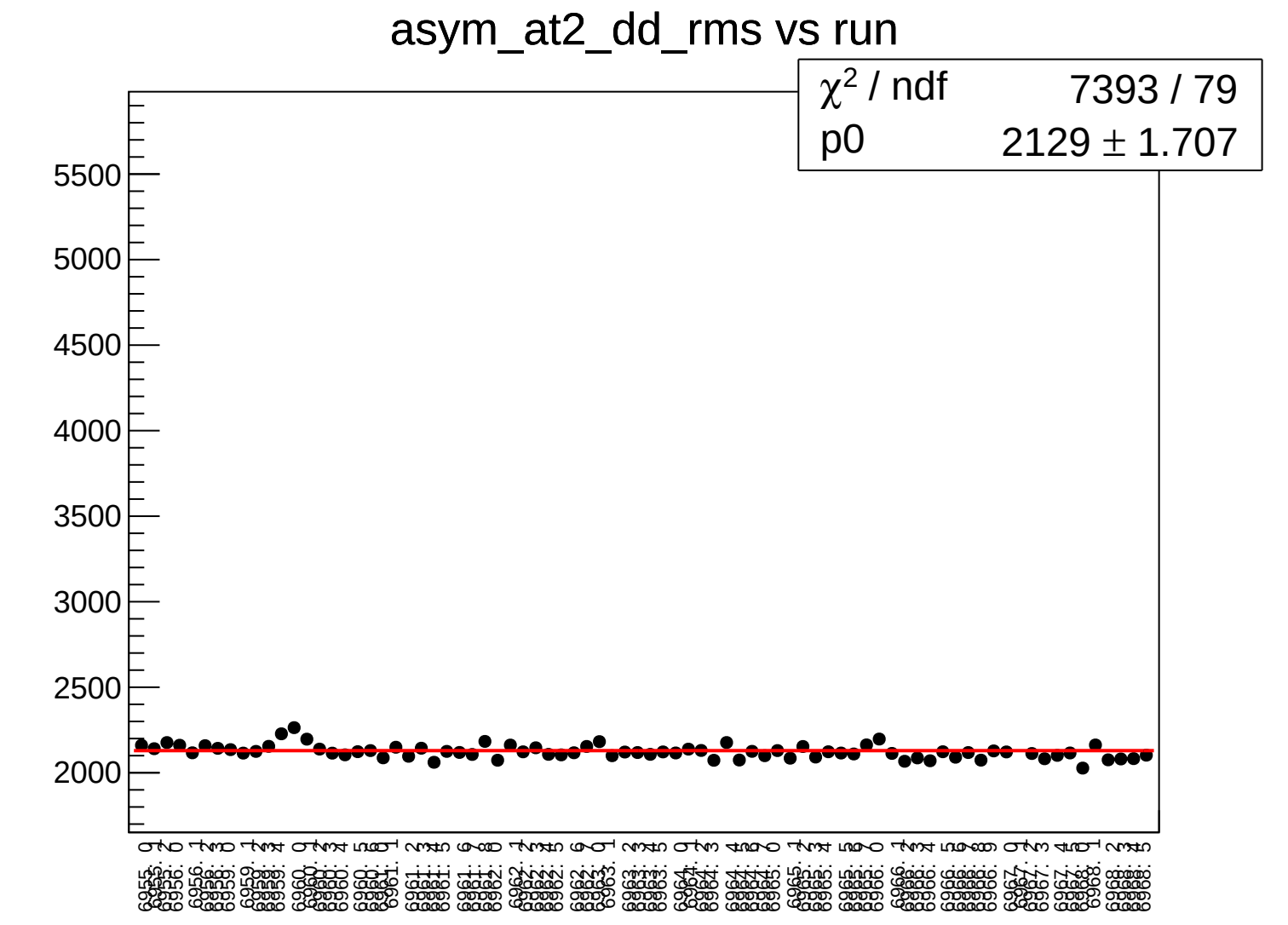

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 83.27 / 79
p0 3462 ± 4313
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 80
Mean −161.1
Std Dev 200.7
2
1
0
−1
−2

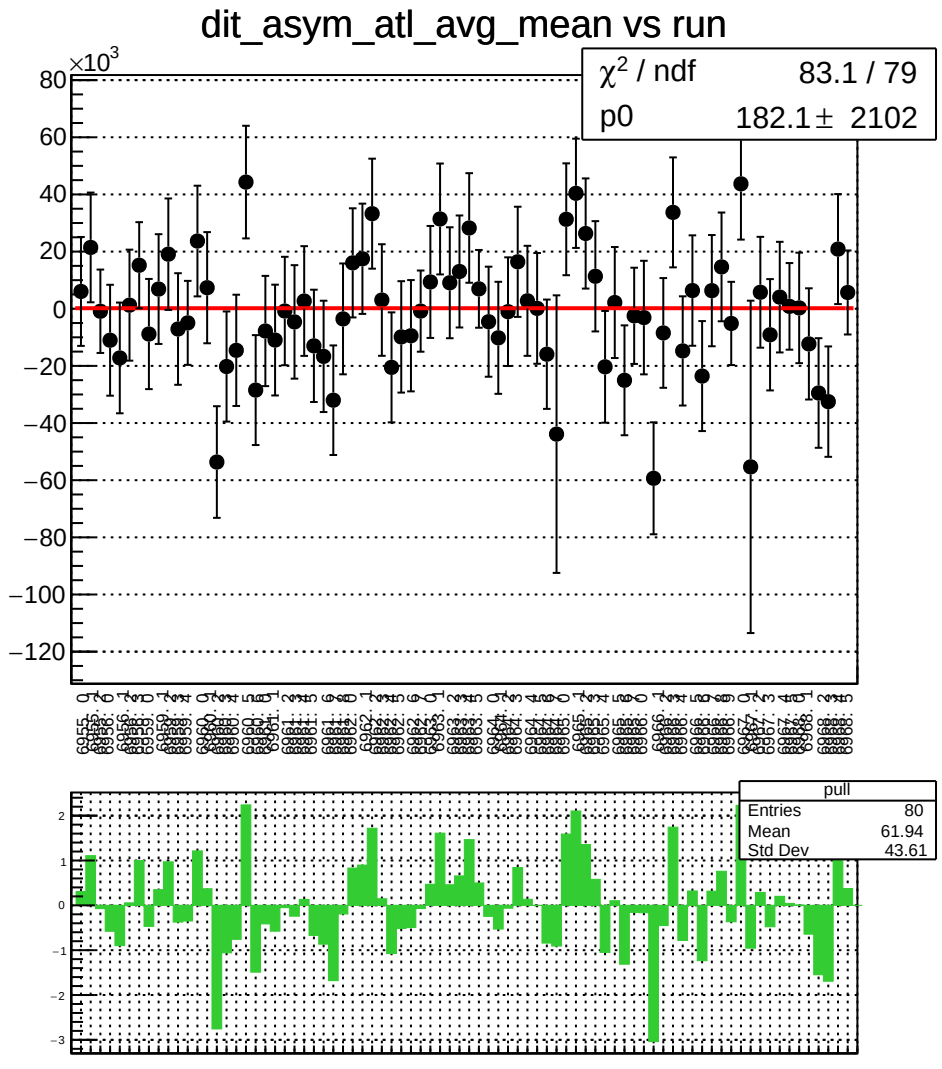

pull1D
Entries 80
Mean −0.02259
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

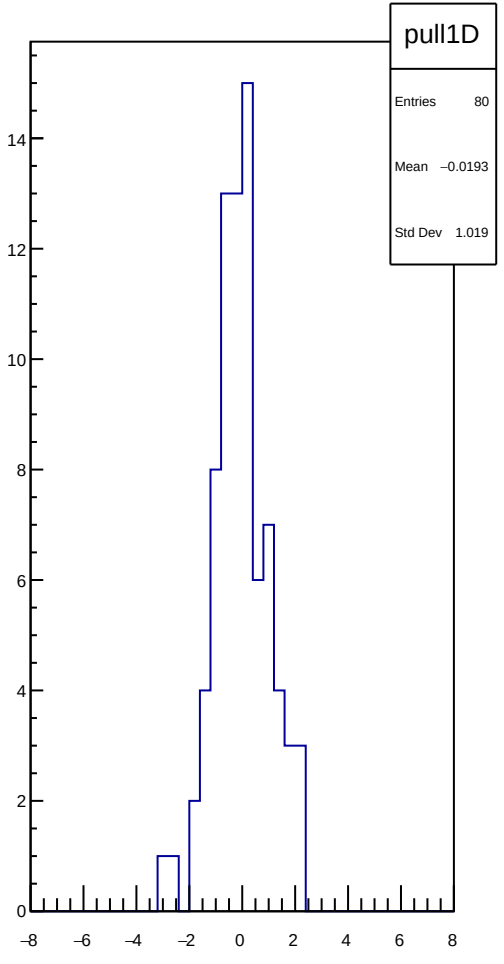

asym_at2_dd_correction_rms vs run
χ² / ndf 7883 / 79
p0 3804 ± 3.05
11000
10000
9000
8000
7000
6000
5000
4000
3000

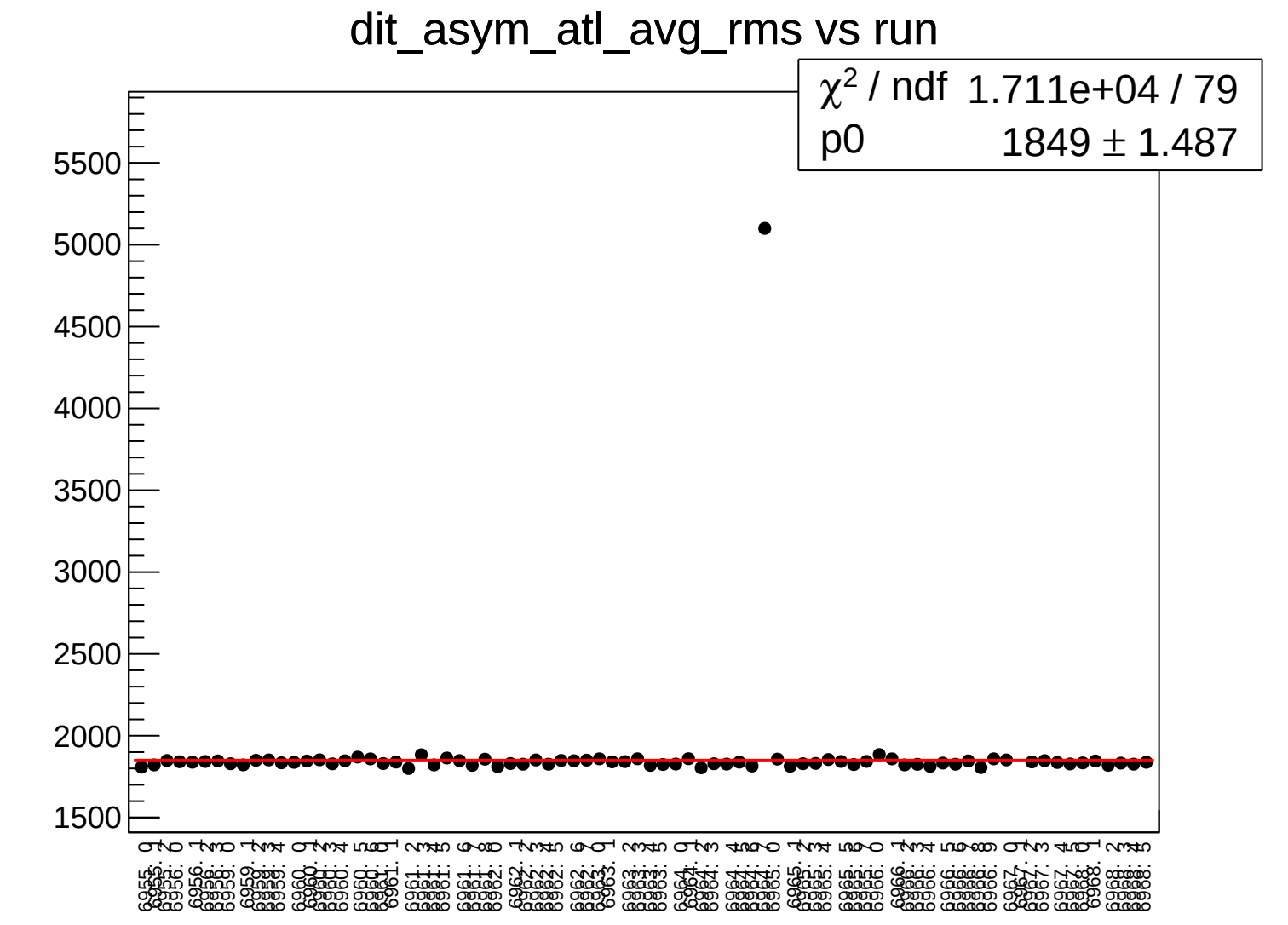

asym_at2_dd_mean vs run
×10^3
χ² / ndf 86.13 / 79
p0 −2024 ± 2414
100
50
0
−50
−100
pull
Entries 80
Mean −184.6
Std Dev 225.1
3
2
1
0
−1
−2

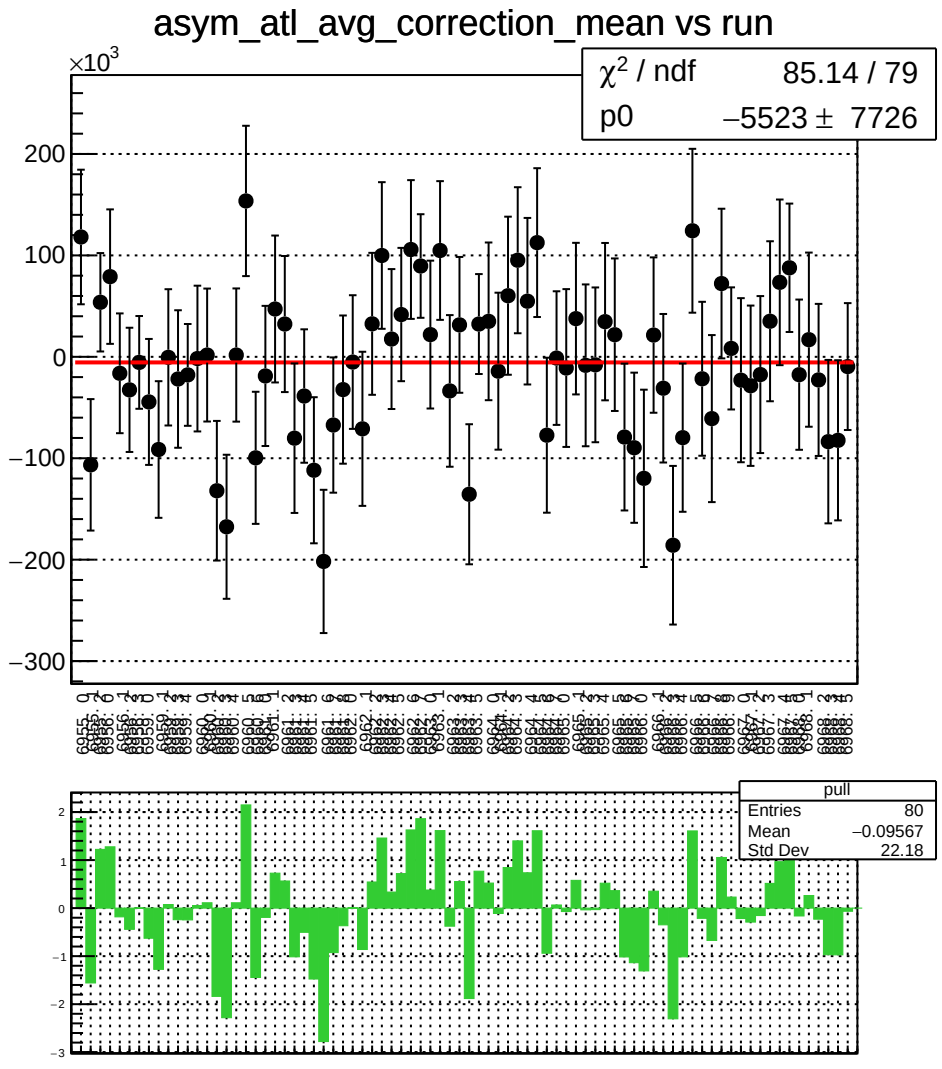

pull1D
Entries 80
Mean 0.01846
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

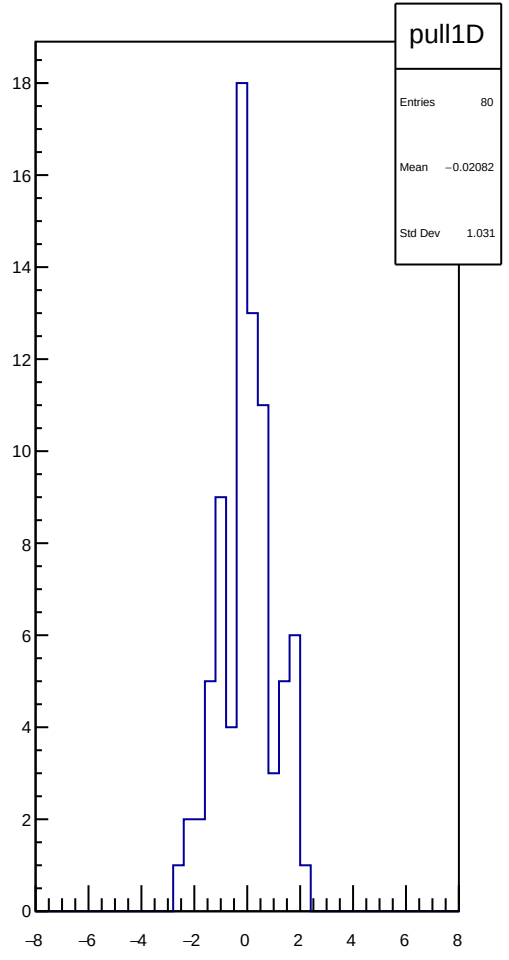

asym_at2_dd_rms vs run
χ^2 / ndf 7393 / 79
p0 2129 ± 1.707
5500
5000
4500
4000
3500
3000
2500
2000

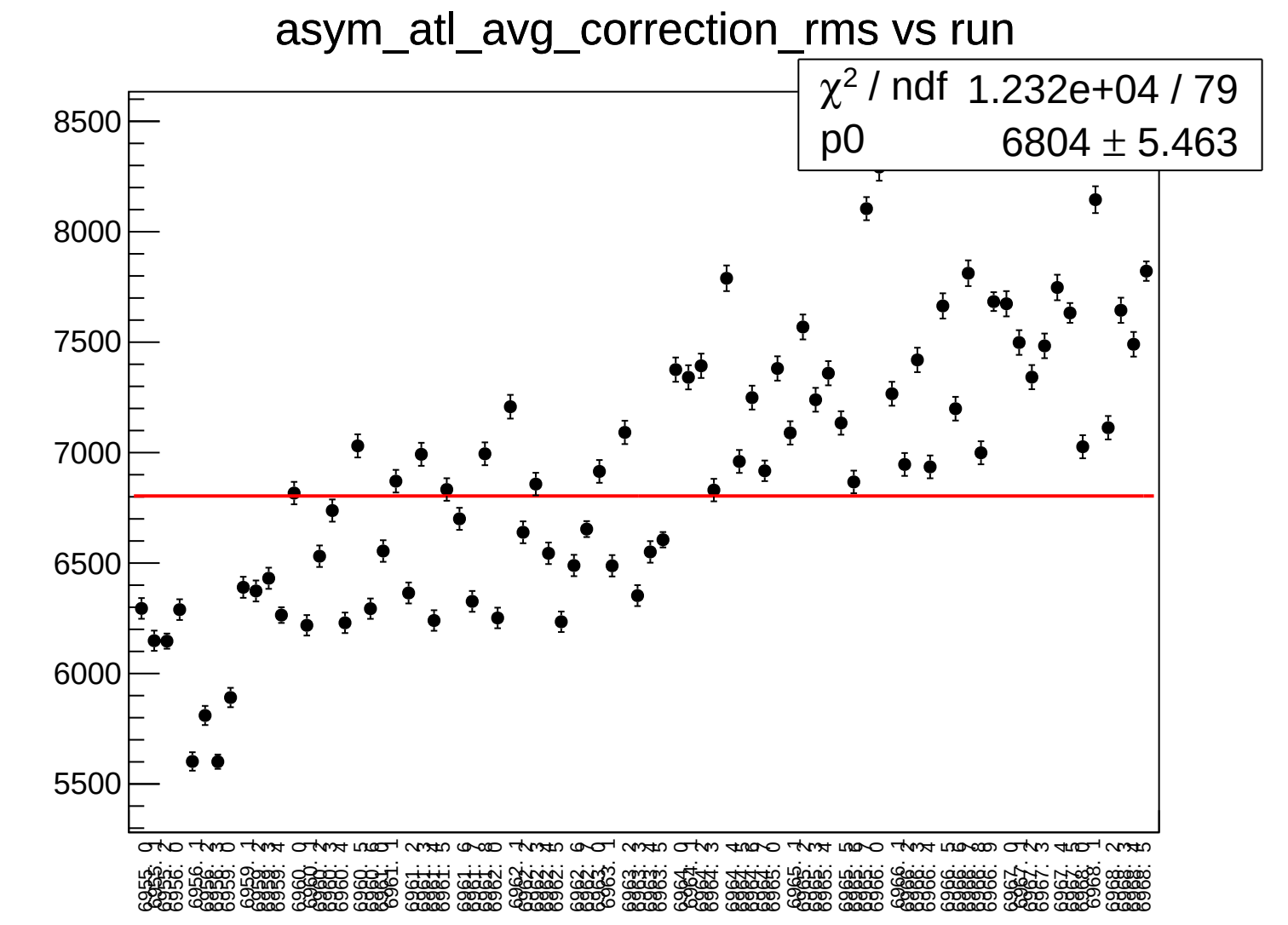

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 83.1 / 79
p0 182.1 ± 2102
pull
Entries 80
Mean 61.94
Std Dev 43.61

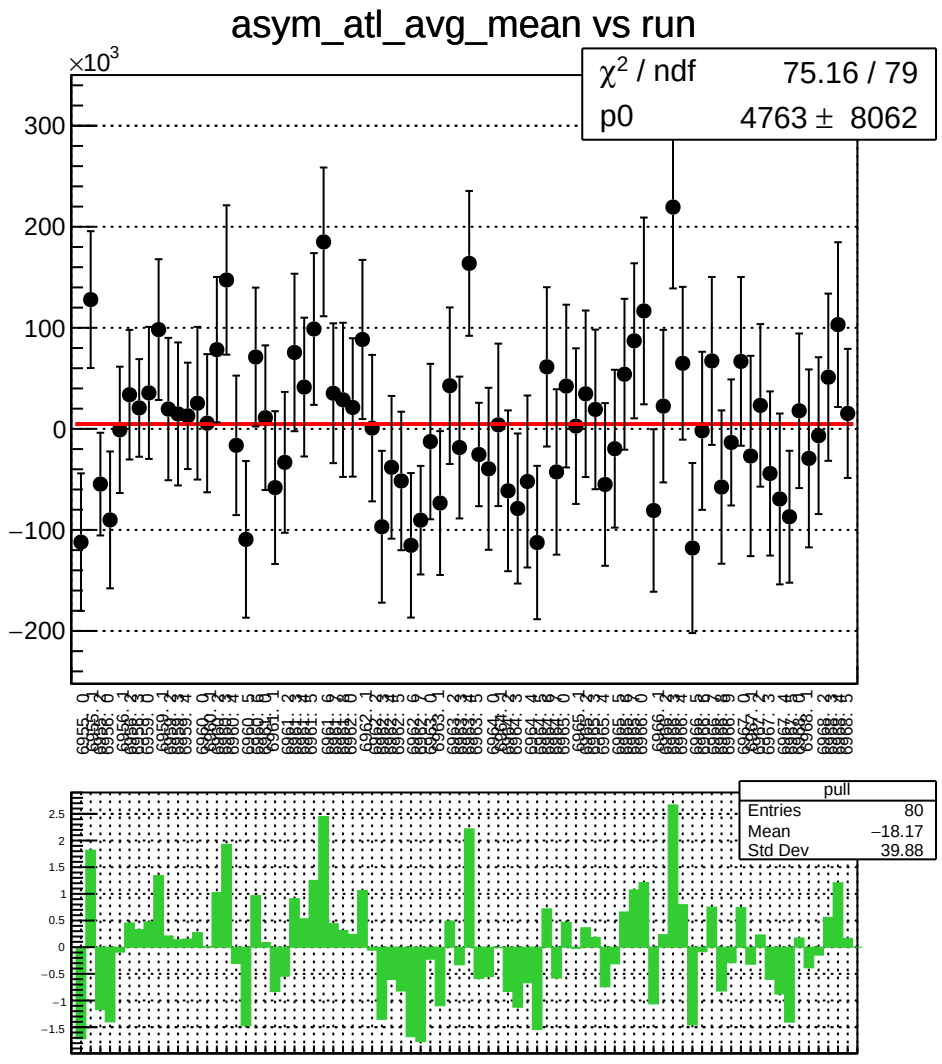

pull1D
Entries 80
Mean −0.0193
Std Dev 1.019

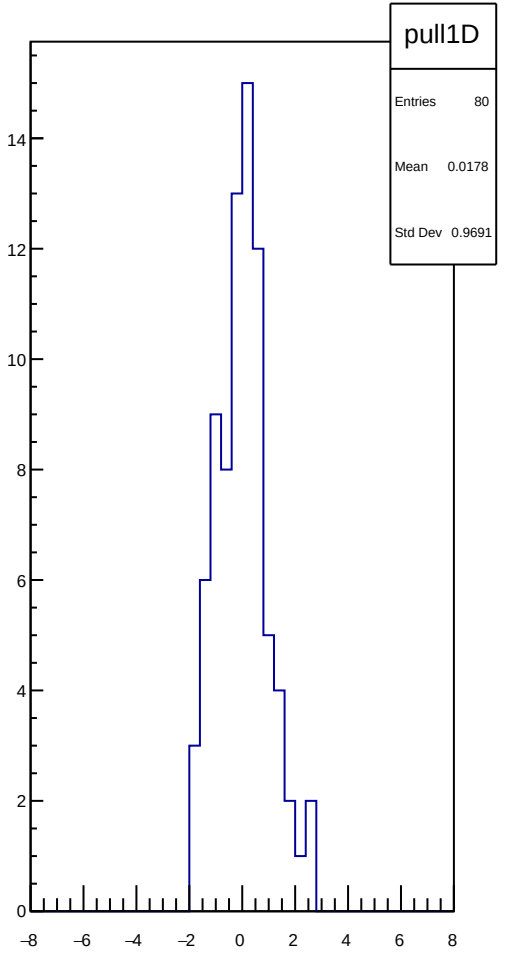

dit_asym_atl_avg_rms vs run
χ² / ndf 1.711e+04 / 79
p0 1849 ± 1.487
5500
5000
4500
4000
3500
3000
2500
2000
1500

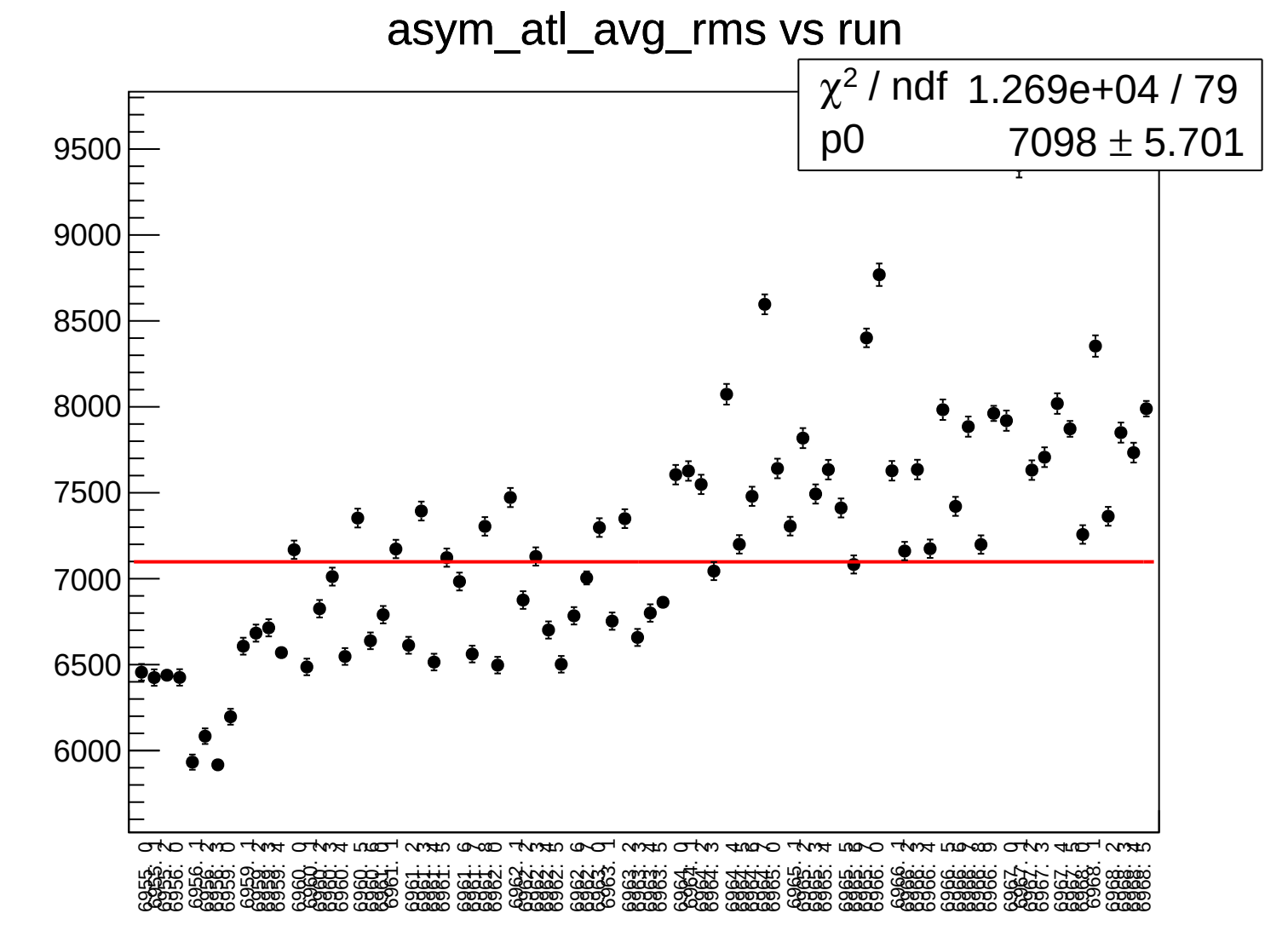

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 85.14 / 79
p0 −5523 ± 7726
200
100
0
−100
−200
−300
pull
Entries 80
Mean −0.09567
Std Dev 22.18
2
1
0
−1
−2
−3

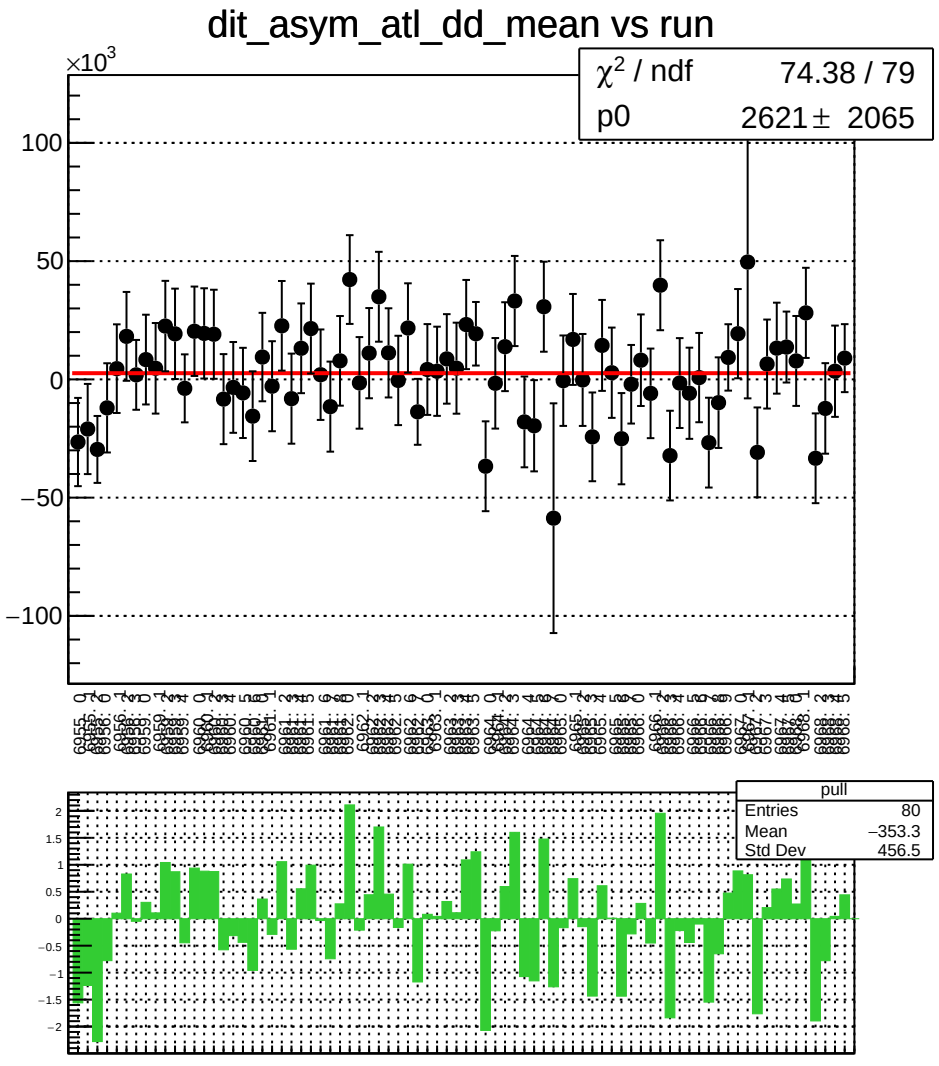

pull1D
Entries 80
Mean −0.02082
Std Dev 1.031
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

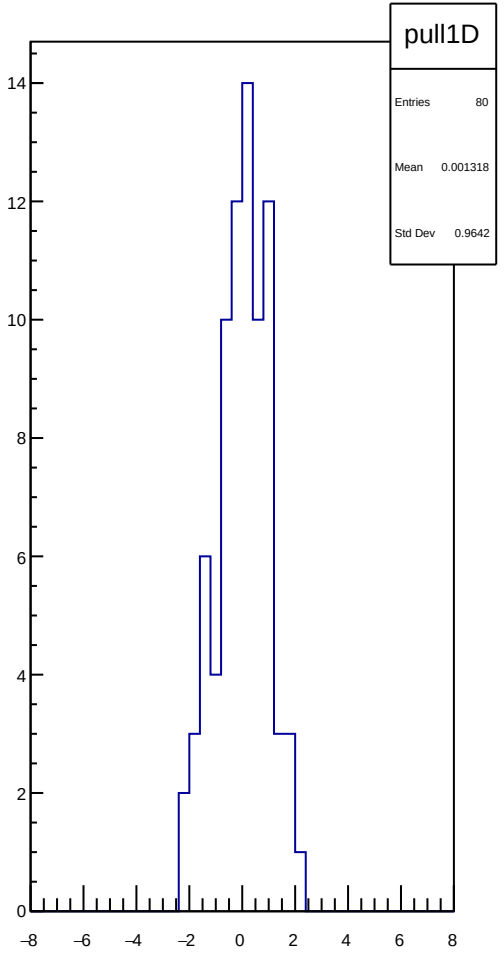

asym_atl_avg_correction_rms vs run
χ² / ndf 1.232e+04 / 79
p0 6804 ± 5.463
8500
8000
7500
7000
6500
6000
5500

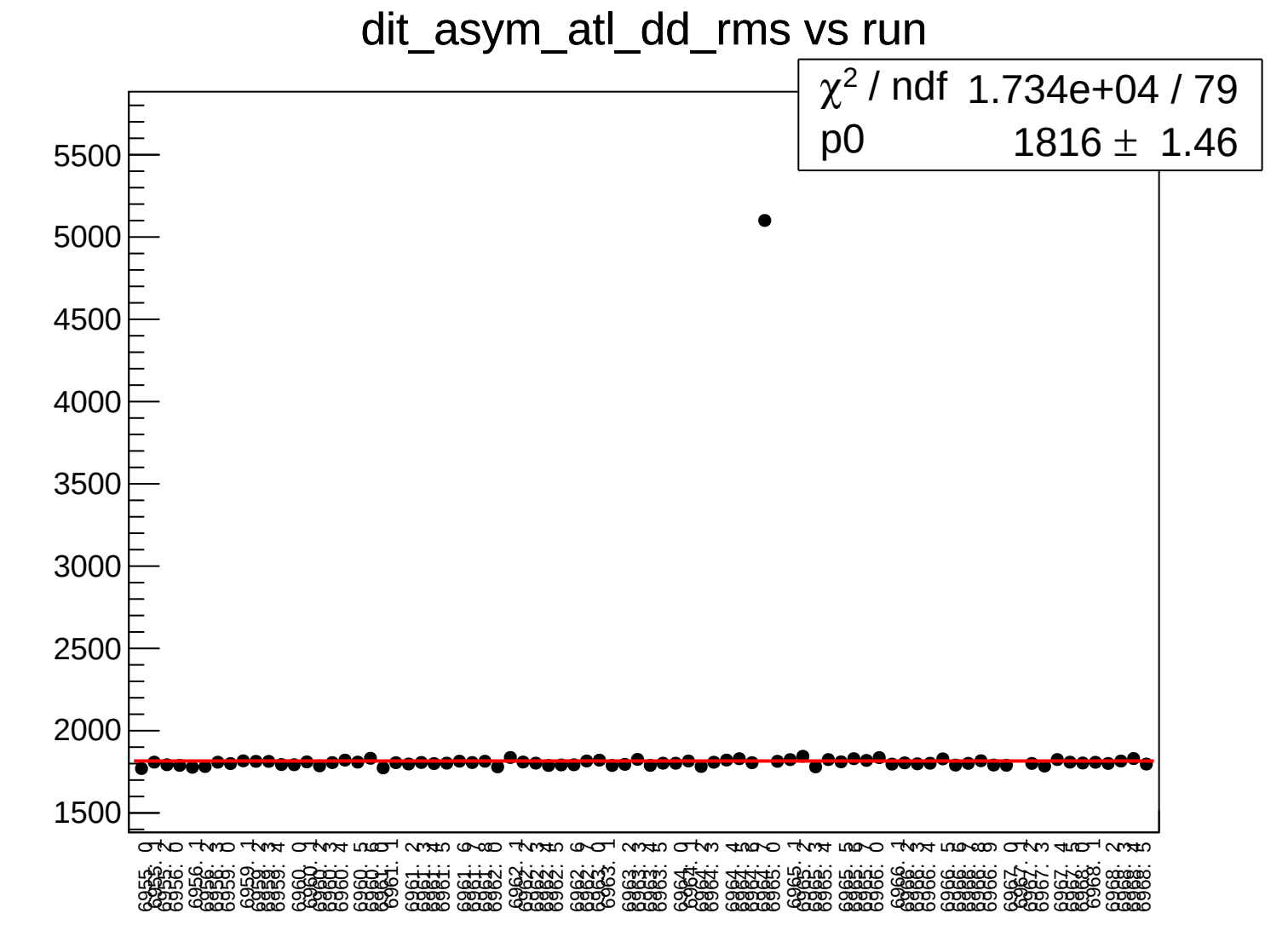

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 75.16 / 79
p0 4763 ± 8062
300
200
100
0
−100
−200
pull
Entries 80
Mean −18.17
Std Dev 39.88
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

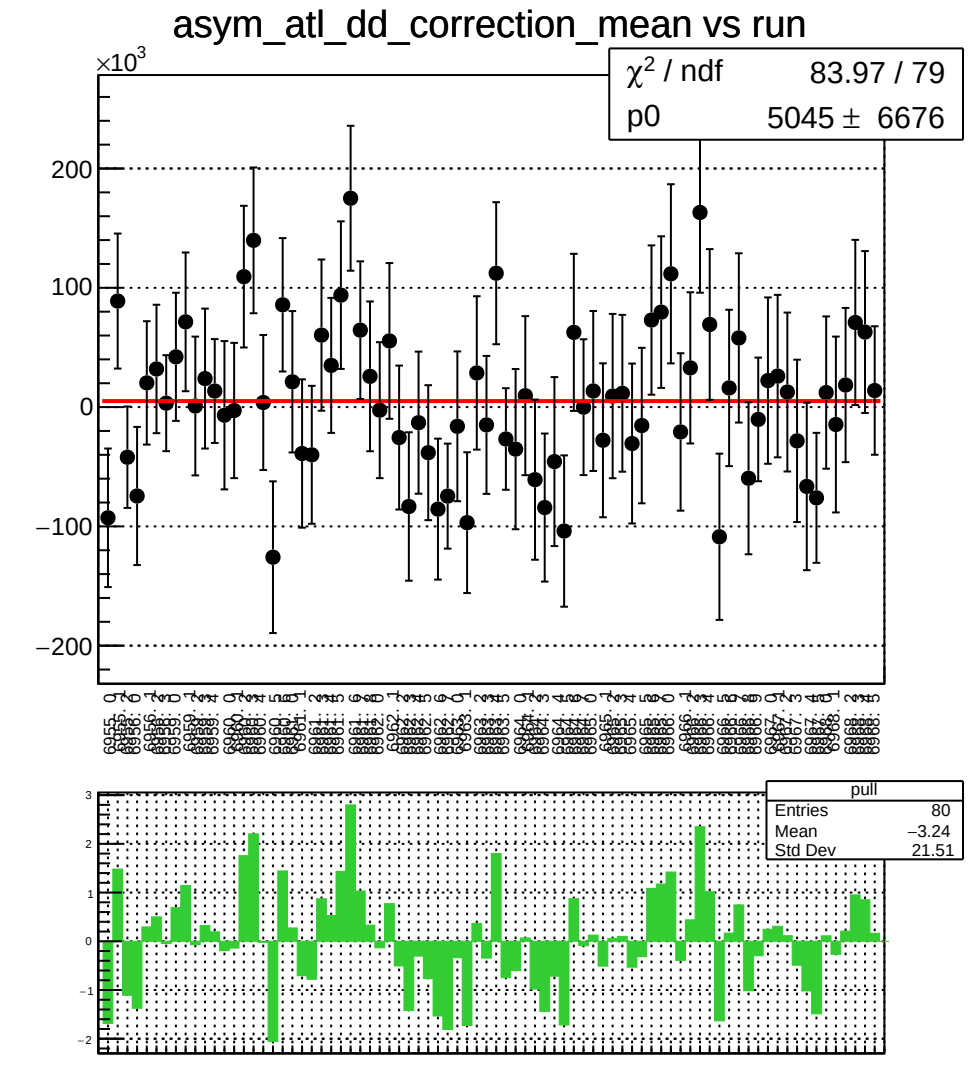

pull1D
Entries 80
Mean 0.0178
Std Dev 0.9691
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

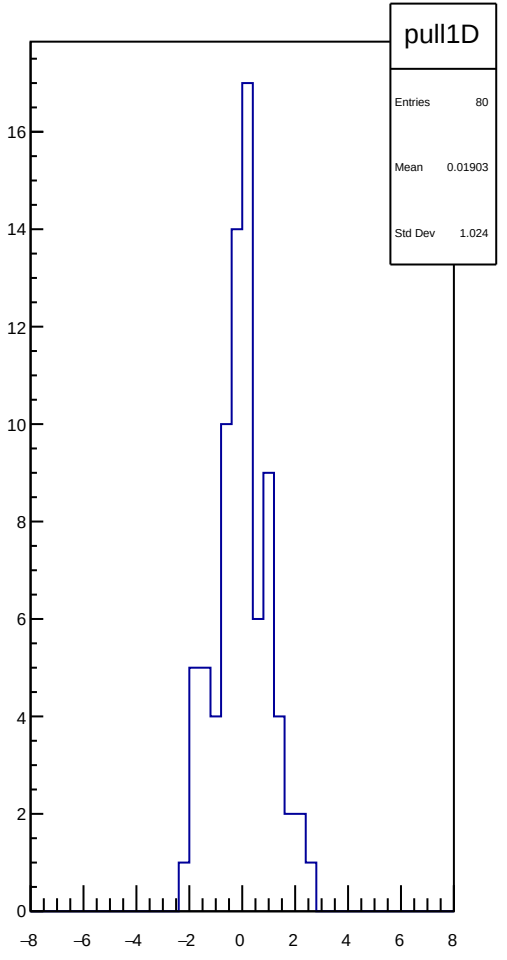

asym_atl_avg_rms vs run
χ² / ndf 1.269e+04 / 79
p0 7098 ± 5.701
9500
9000
8500
8000
7500
7000
6500
6000

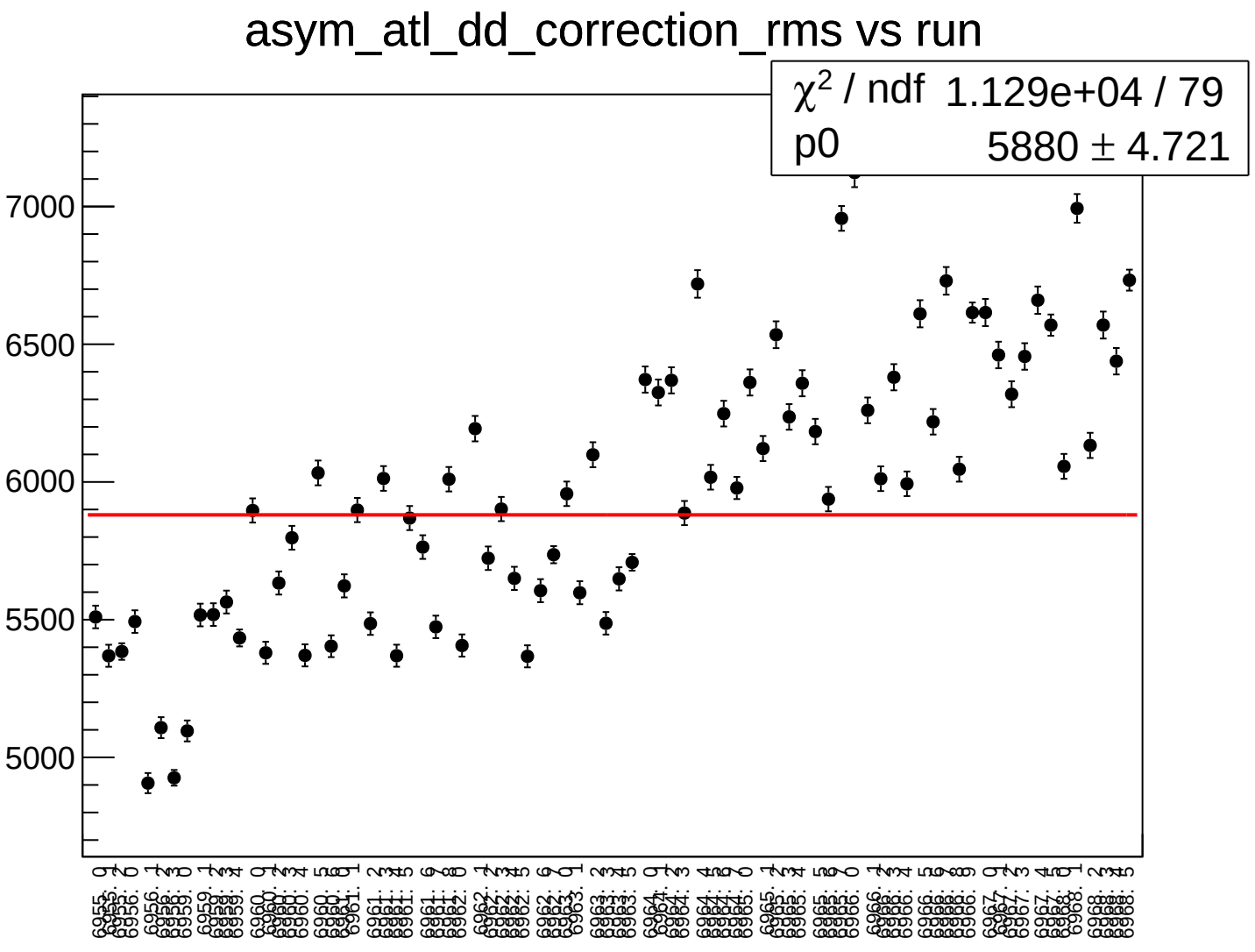

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 74.38 / 79
p0 2621 ± 2065
100
50
0
−50
−100
pull
Entries 80
Mean −353.3
Std Dev 456.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

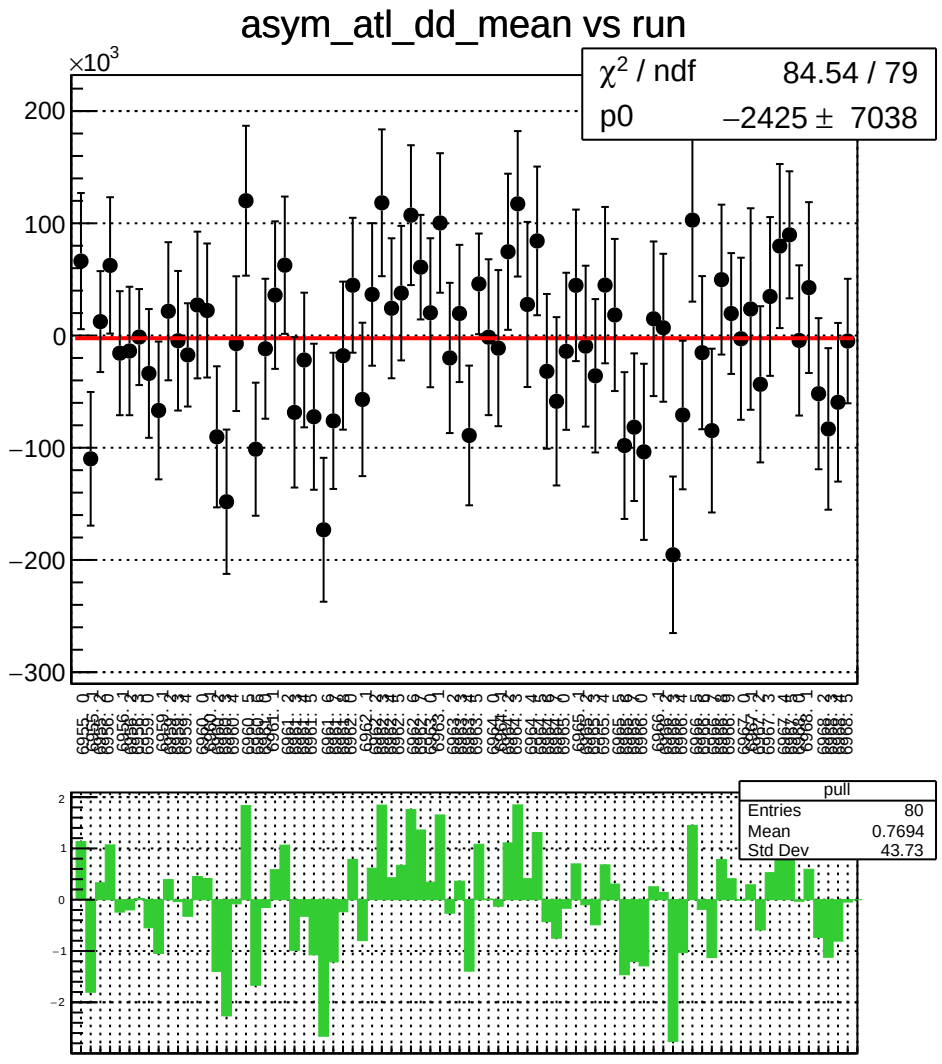

pull1D
Entries 80
Mean 0.001318
Std Dev 0.9642
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

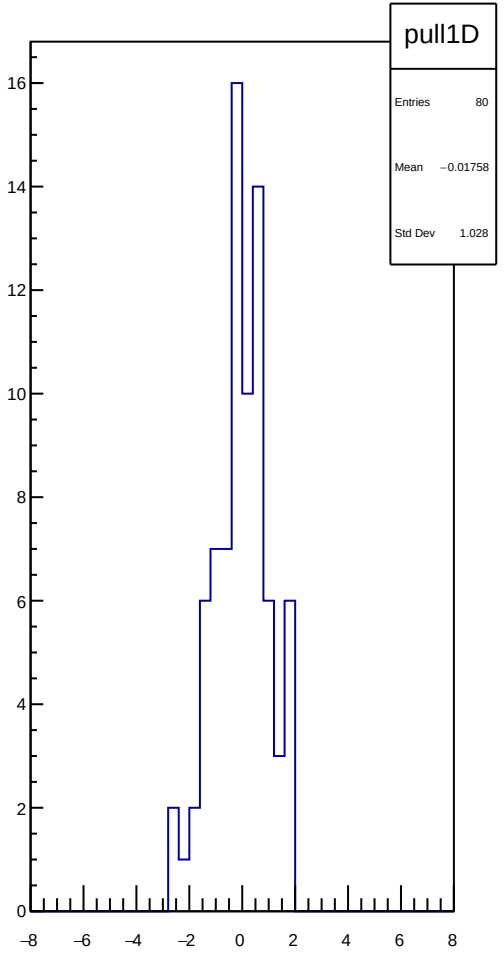

dit_asym_atl_dd_rms vs run
χ² / ndf 1.734e+04 / 79
p0 1816 ± 1.46
5500
5000
4500
4000
3500
3000
2500
2000
1500

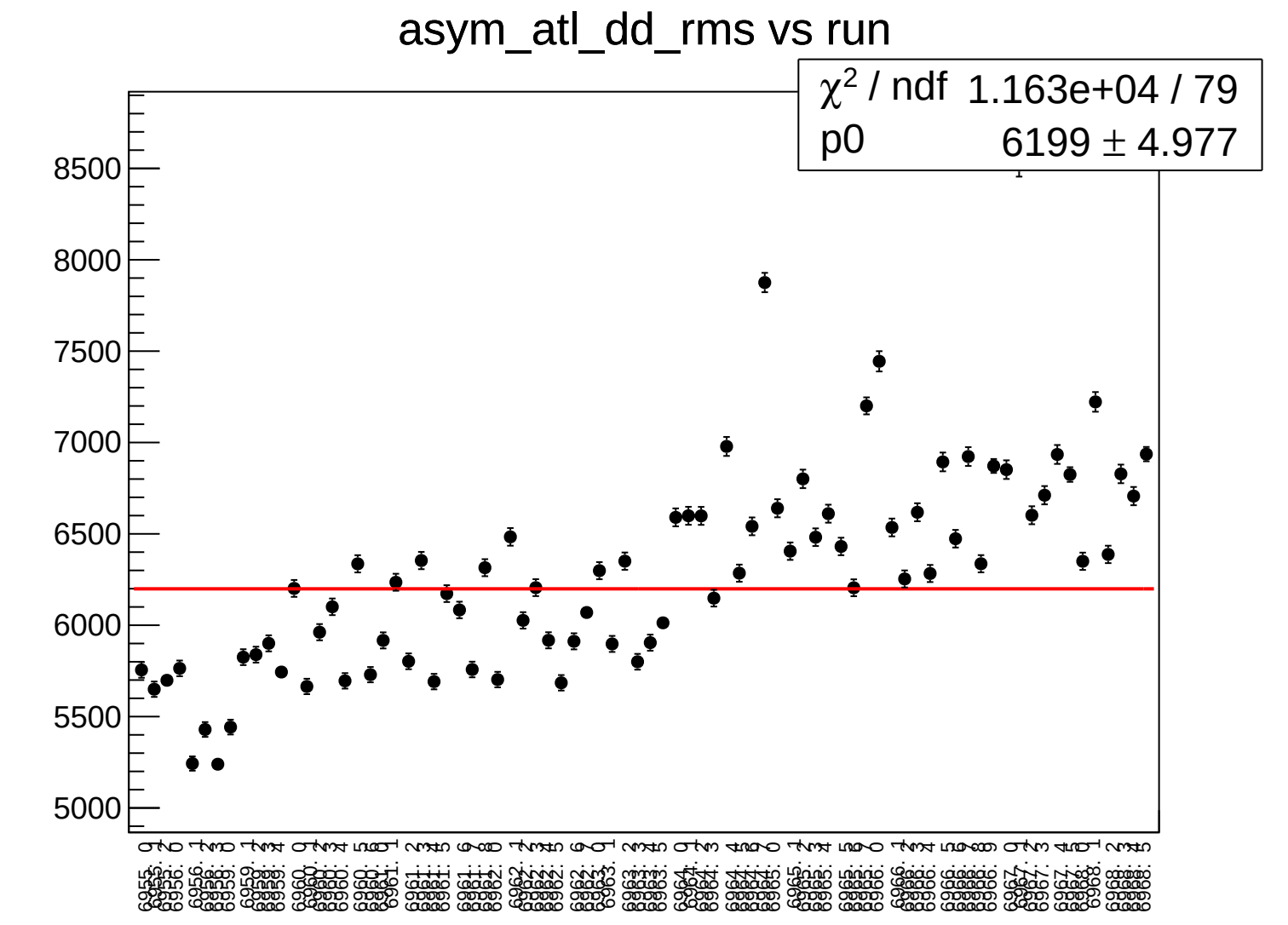

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 83.97 / 79
p0 5045 ± 6676
200
100
0
−100
−200
pull
Entries 80
Mean −3.24
Std Dev 21.51
3
2
1
0
−1
−2

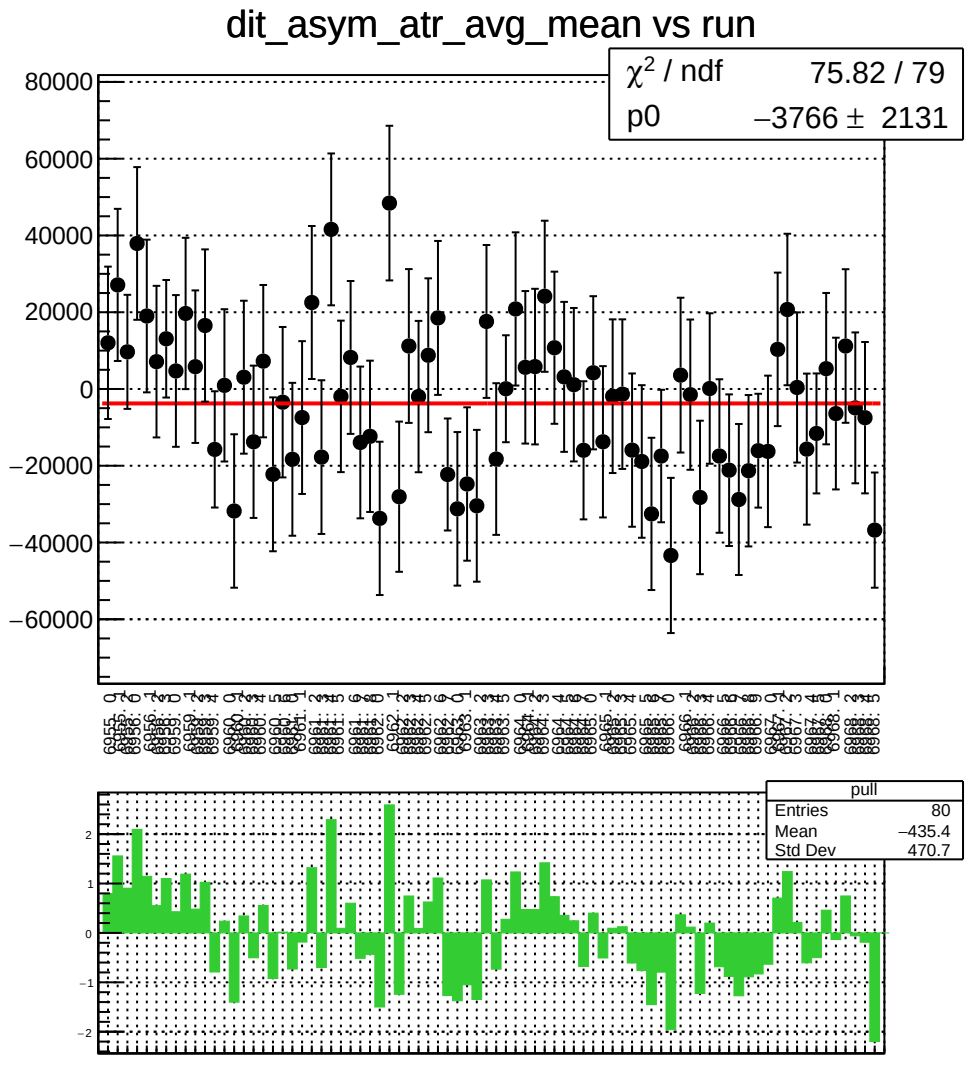

pull1D
Entries 80
Mean 0.01903
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

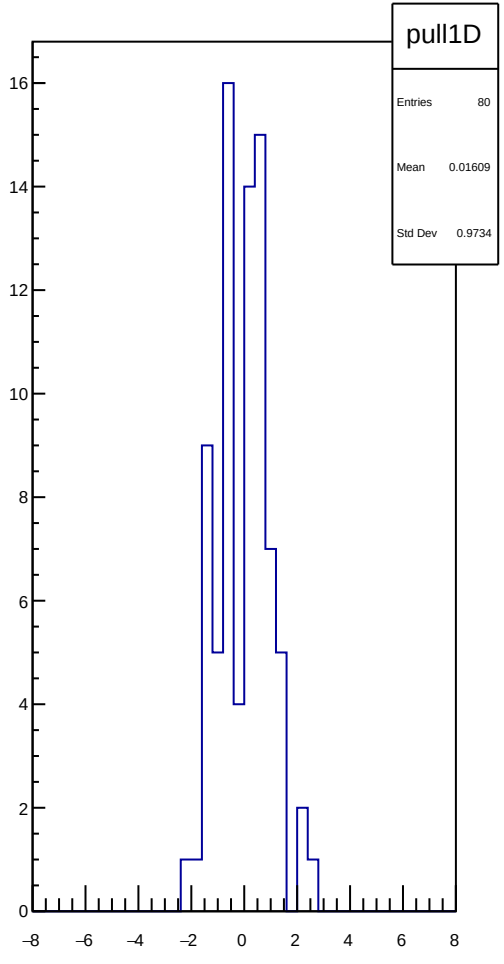

asym_atl_dd_correction_rms vs run
χ² / ndf 1.129e+04 / 79
p0 5880 ± 4.721
7000
6500
6000
5500
5000

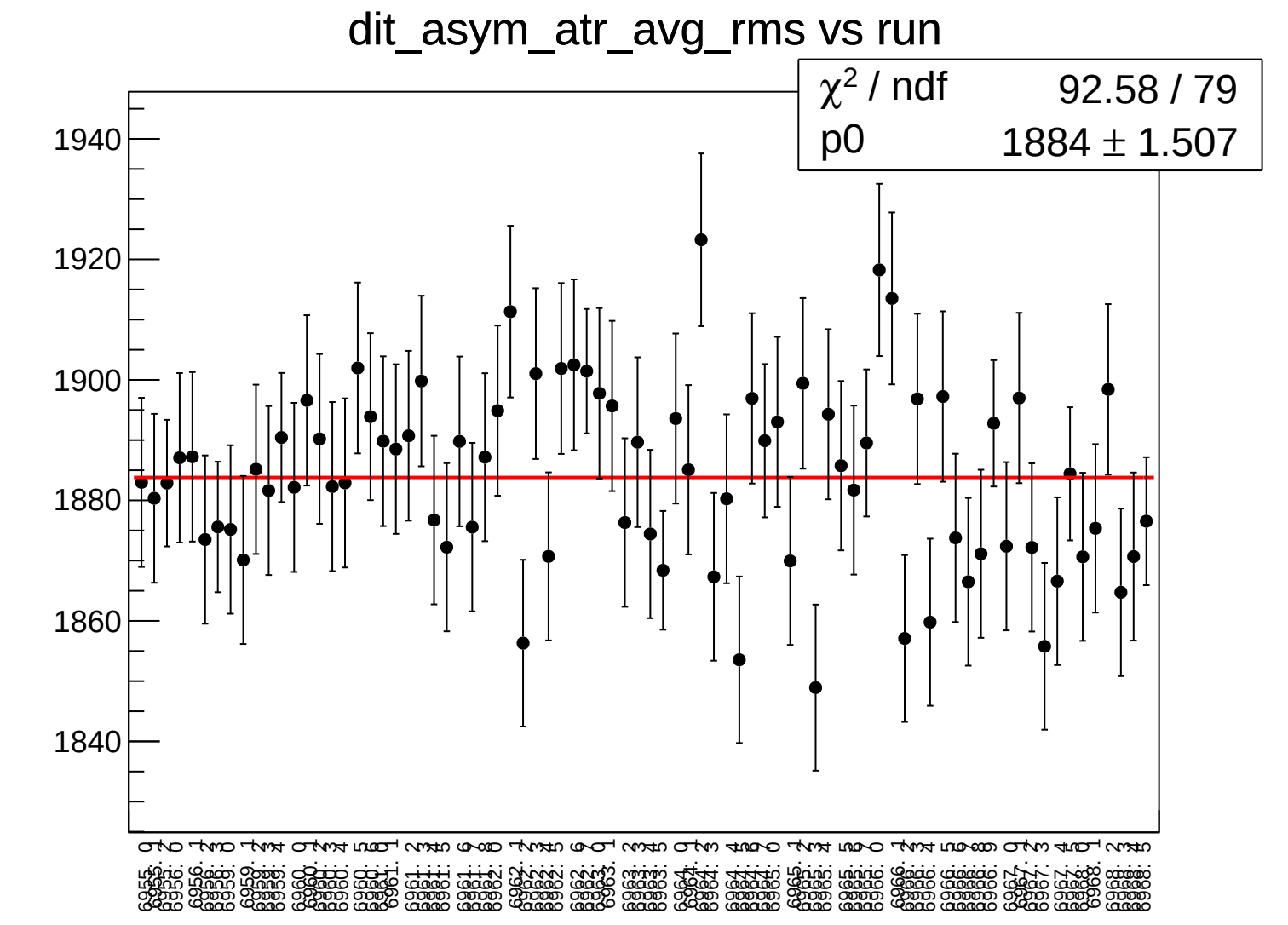

asym_atl_dd_mean vs run
×10^3
χ² / ndf 84.54 / 79
p0 −2425 ± 7038
200
100
0
−100
−200
−300
pull
Entries 80
Mean 0.7694
Std Dev 43.73
2
1
0
−1
−2

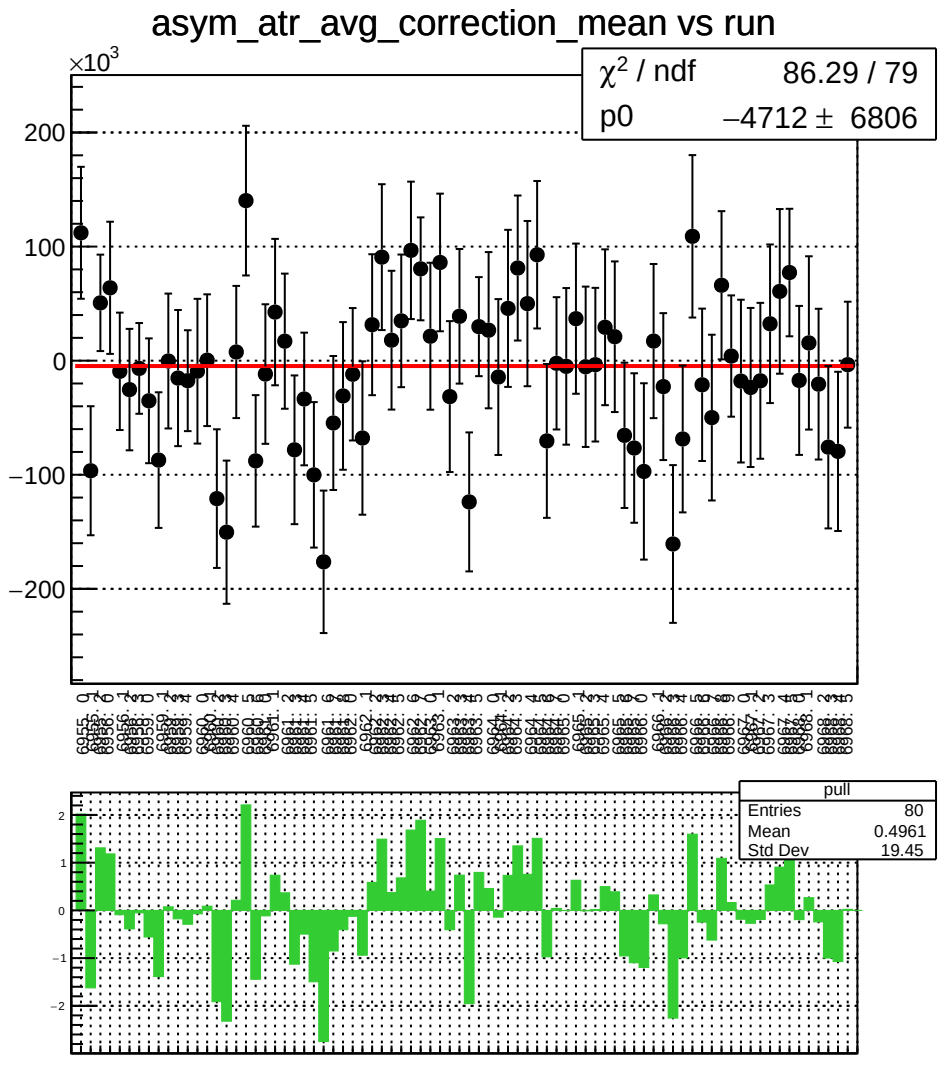

pull1D
Entries 80
Mean −0.01758
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

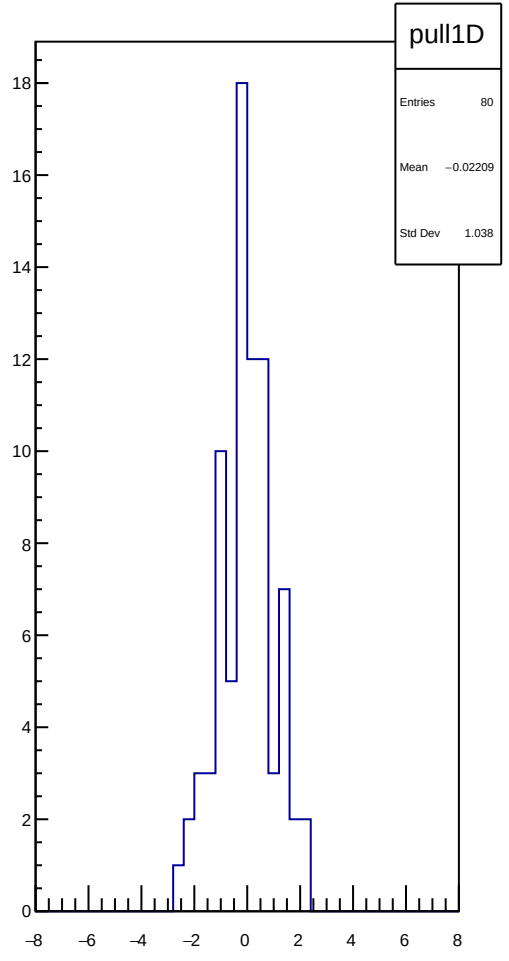

asym_atl_dd_rms vs run
χ^2 / ndf 1.163e+04 / 79
p0 6199 ± 4.977
8500
8000
7500
7000
6500
6000
5500
5000

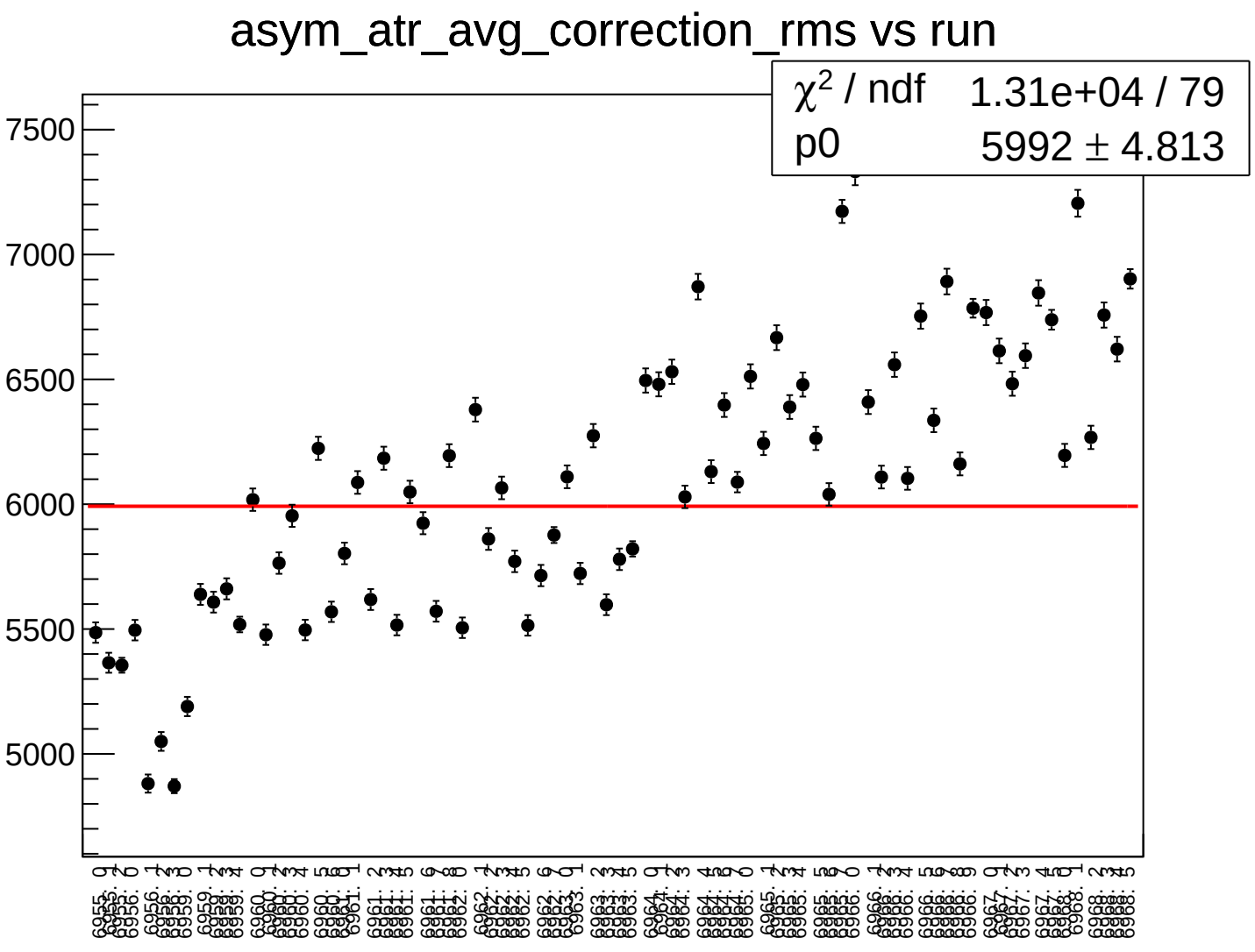

dit_asym_atr_avg_mean vs run
χ² / ndf 75.82 / 79
p0 −3766 ± 2131
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −435.4
Std Dev 470.7
2
1
0
−1
−2

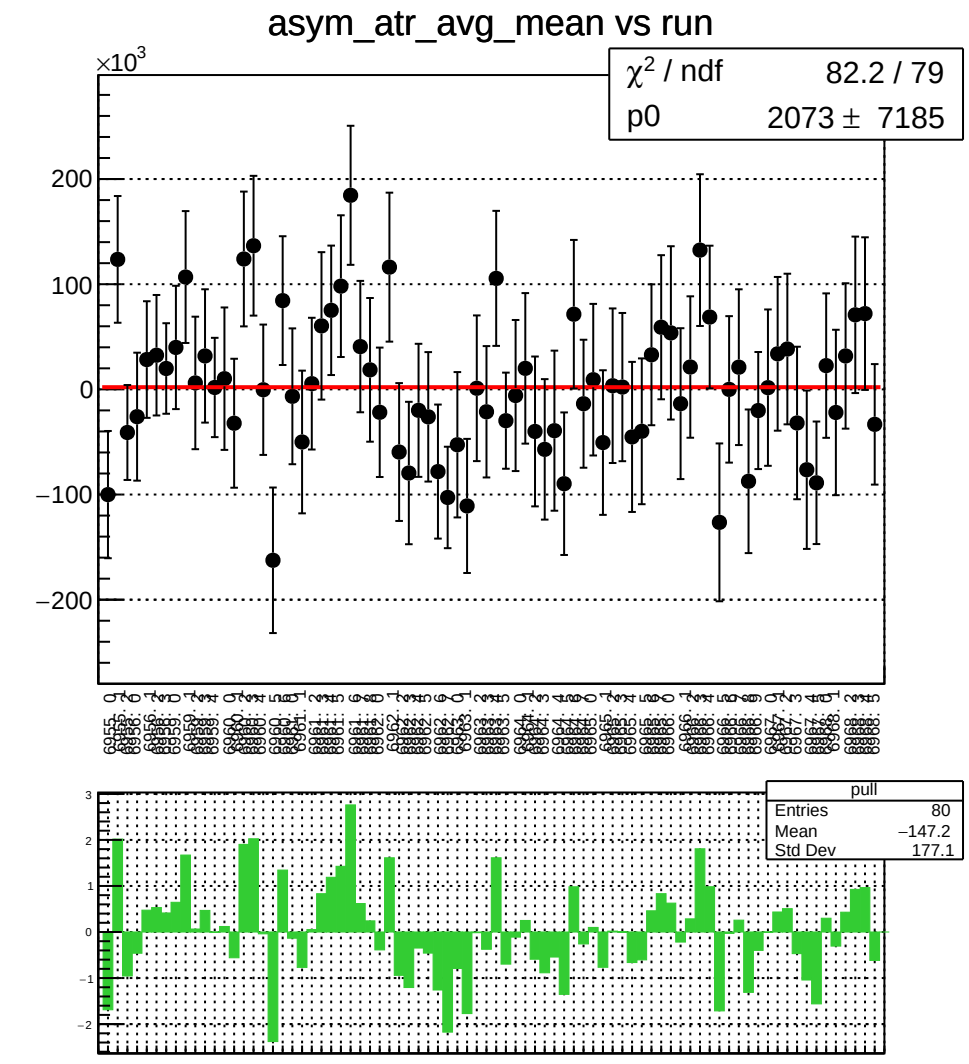

pull1D
Entries 80
Mean 0.01609
Std Dev 0.9734
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

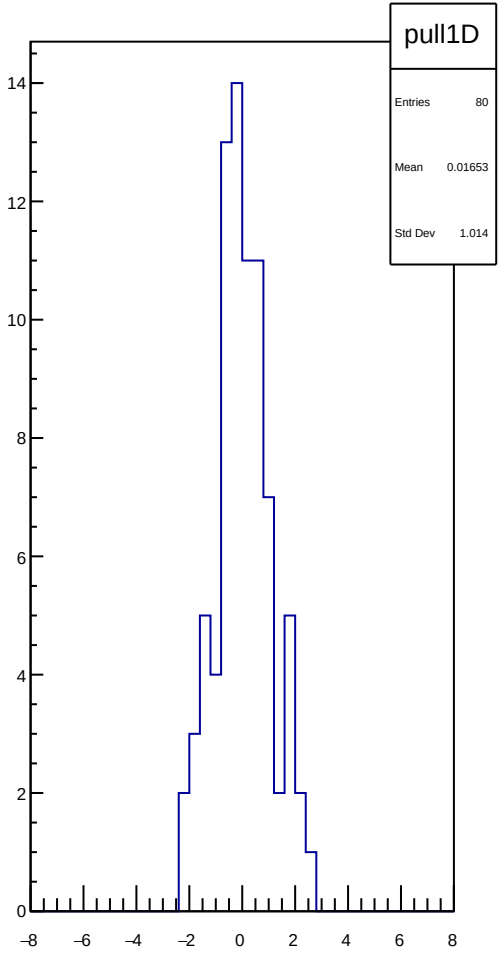

dit_asym_atr_avg_rms vs run
χ^2 / ndf 92.58 / 79
p0 1884 ± 1.507
1940
1920
1900
1880
1860
1840

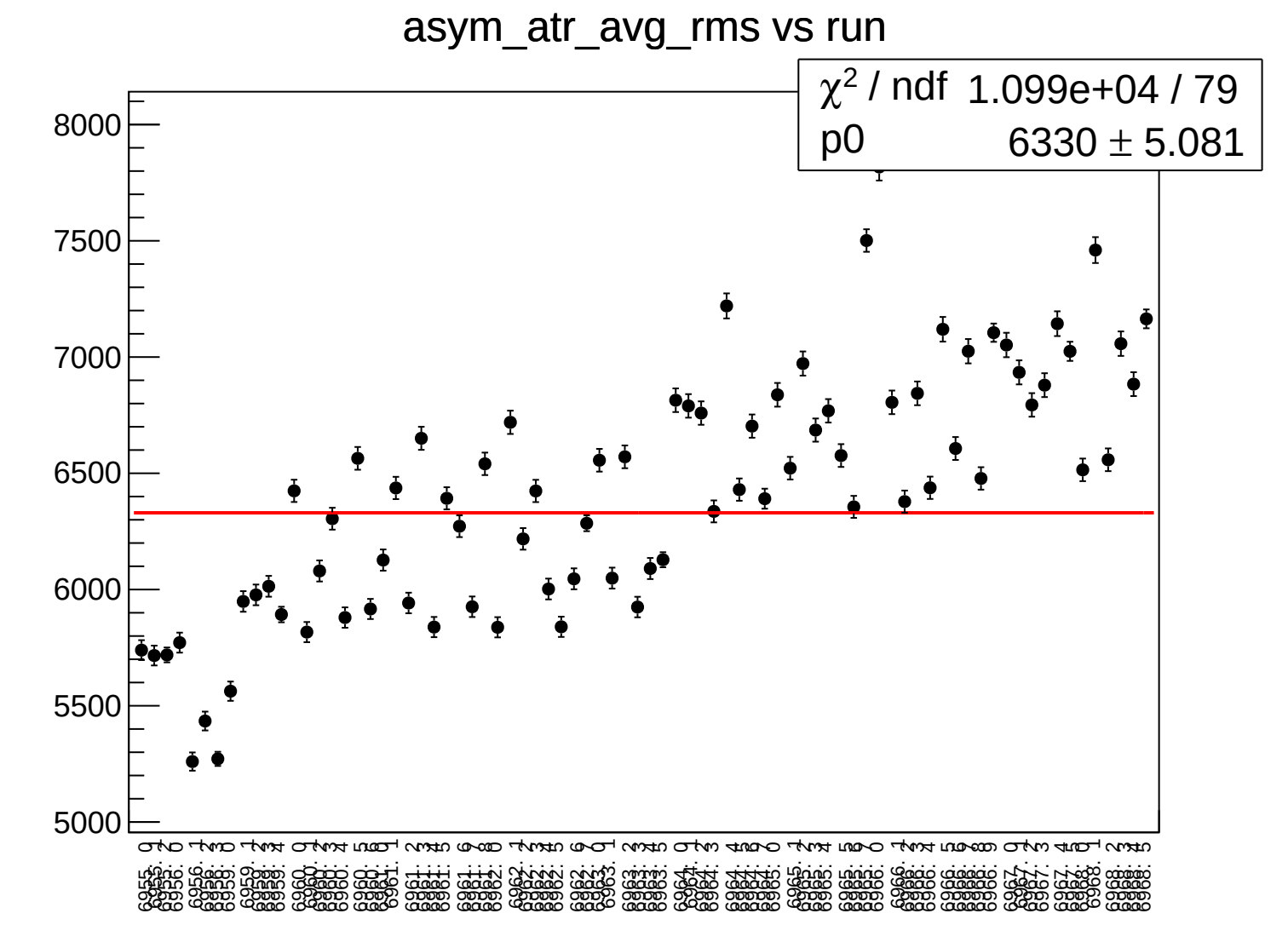

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 86.29 / 79
p0 −4712 ± 6806
200
100
0
−100
−200
pull
Entries 80
Mean 0.4961
Std Dev 19.45
2
1
0
−1
−2

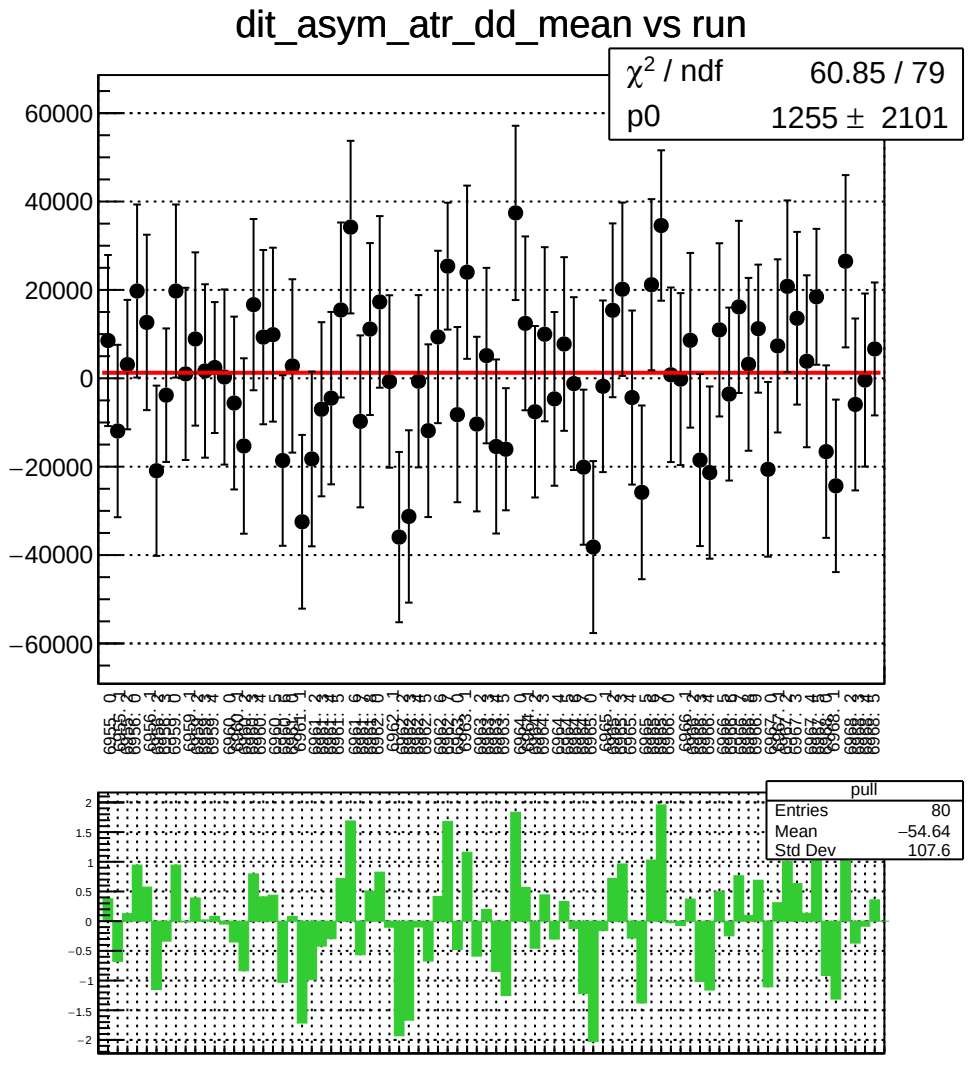

pull1D
Entries 80
Mean −0.02209
Std Dev 1.038
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

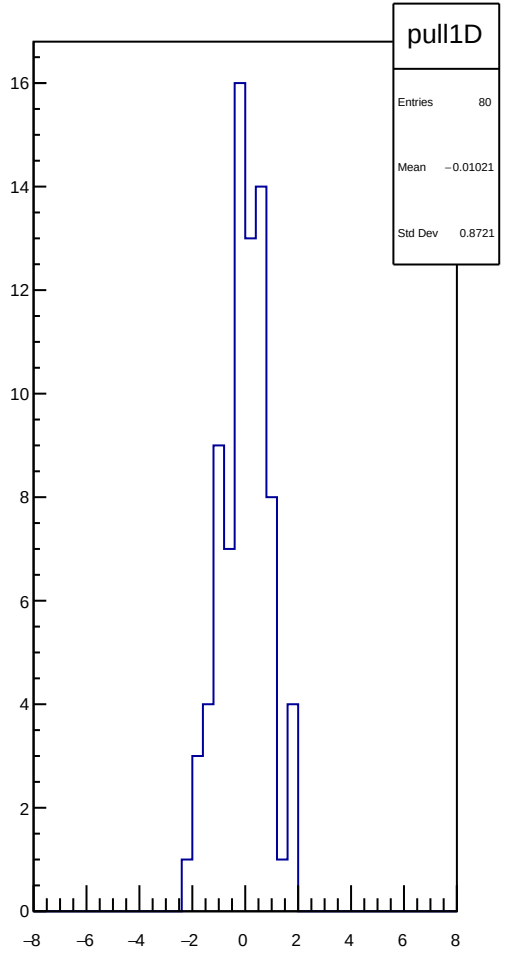

asym_atr_avg_correction_rms vs run
χ^2 / ndf 1.31e+04 / 79
p0 5992 ± 4.813
7500
7000
6500
6000
5500
5000

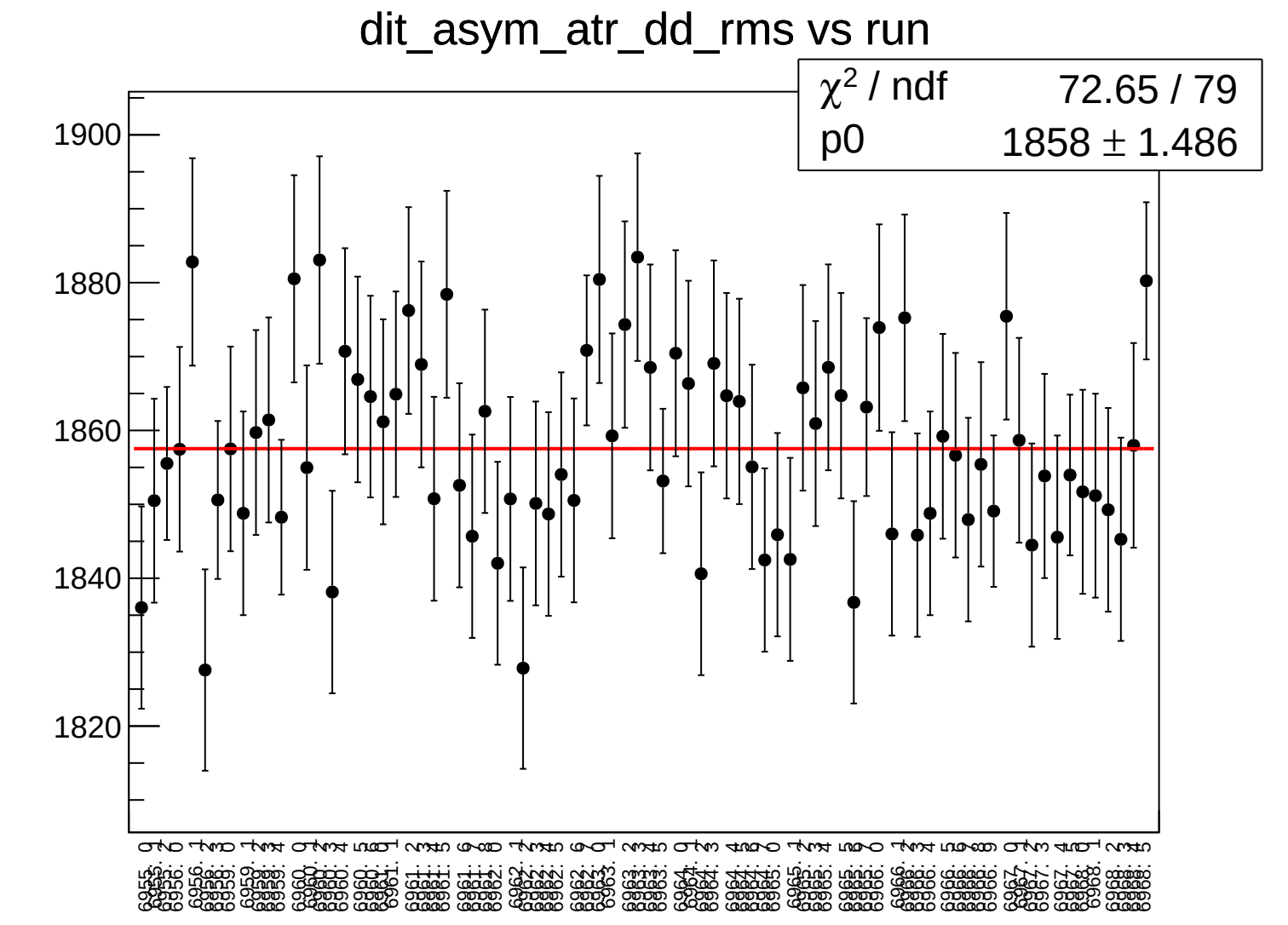

asym_atr_avg_mean vs run
×10^3
χ² / ndf 82.2 / 79
p0 2073 ± 7185
200
100
0
−100
−200
pull
Entries 80
Mean −147.2
Std Dev 177.1
3
2
1
0
−1
−2

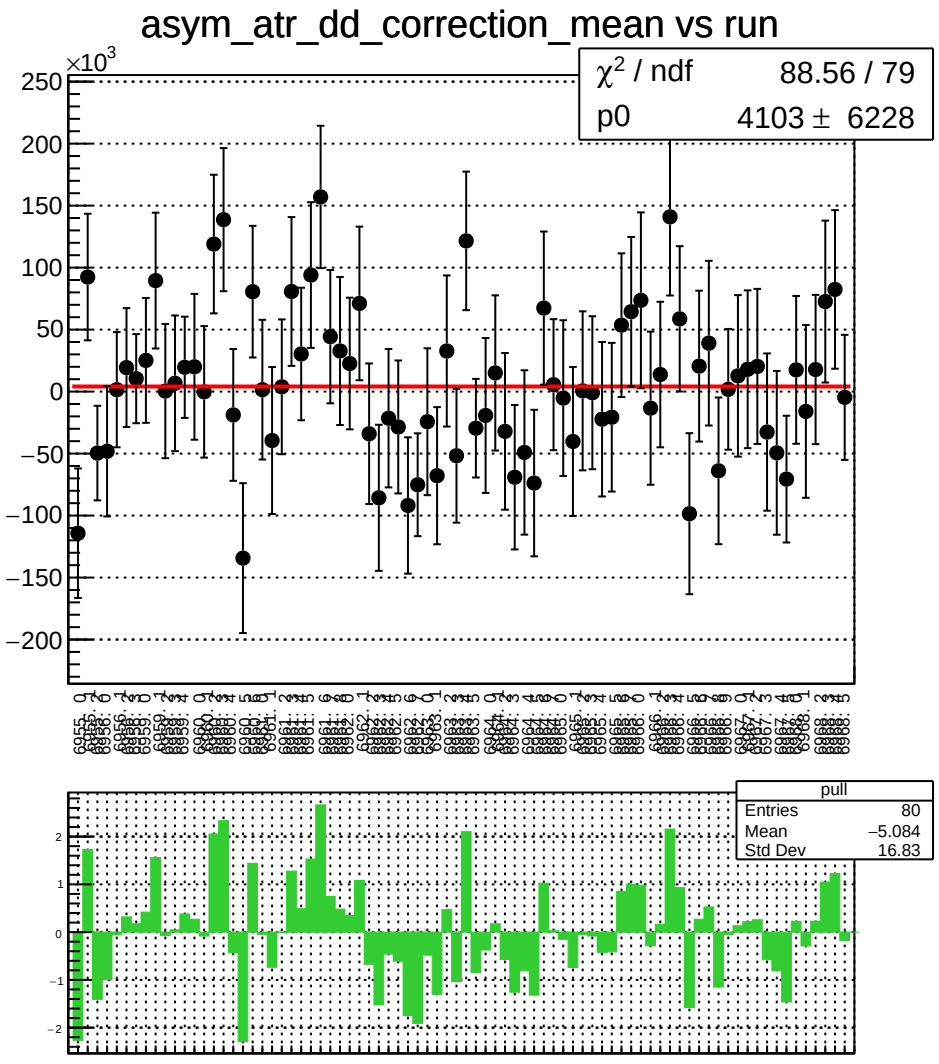

pull1D
Entries 80
Mean 0.01653
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

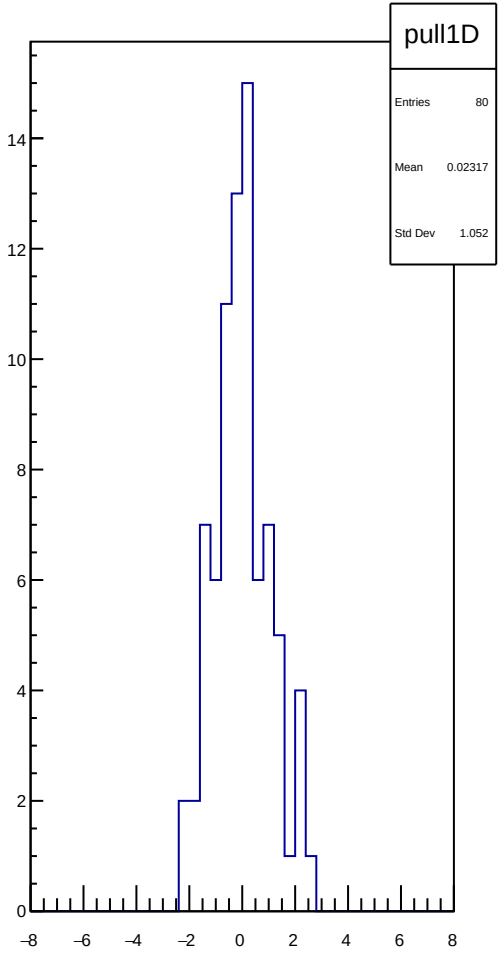

asym_atr_avg_rms vs run
χ² / ndf 1.099e+04 / 79
p0 6330 ± 5.081
8000
7500
7000
6500
6000
5500
5000

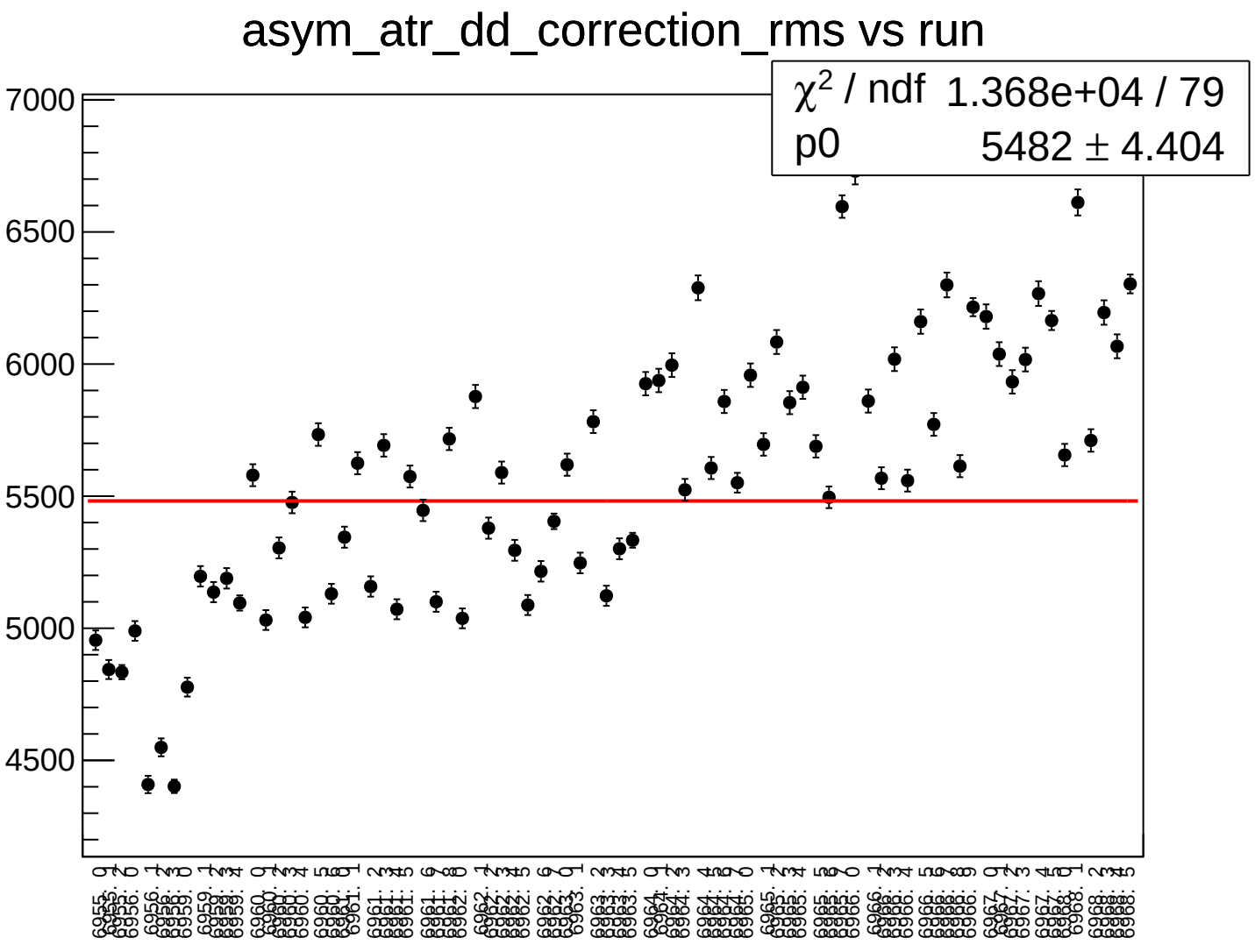

dit_asym_atr_dd_mean vs run
χ² / ndf 60.85 / 79
p0 1255 ± 2101
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −54.64
Std Dev 107.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

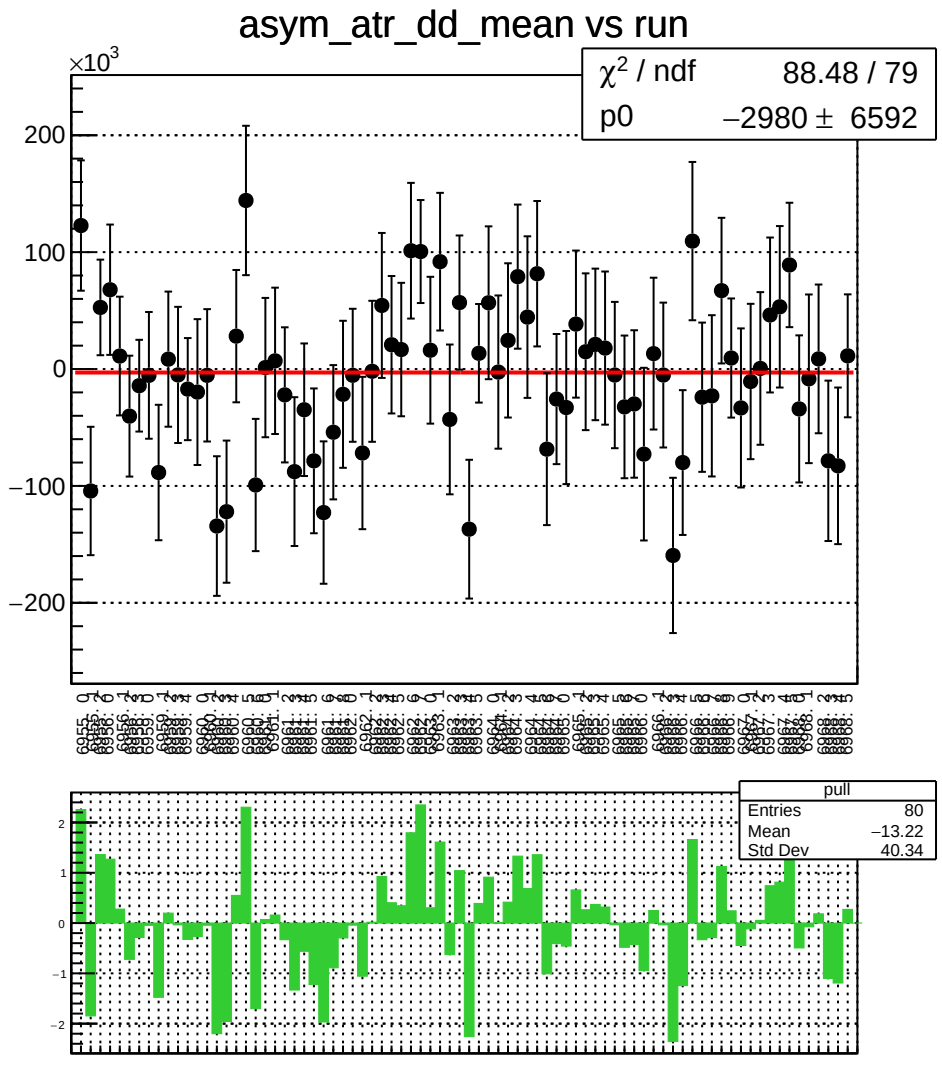

pull1D
Entries 80
Mean −0.01021
Std Dev 0.8721
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

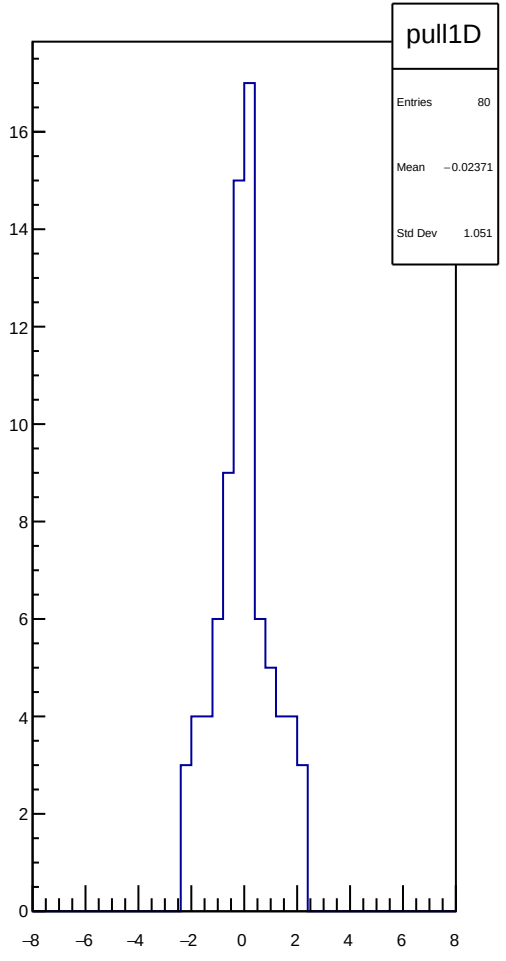

dit_asym_atr_dd_rms vs run
χ^2 / ndf 72.65 / 79
p0 1858 ± 1.486
1900
1880
1860
1840
1820

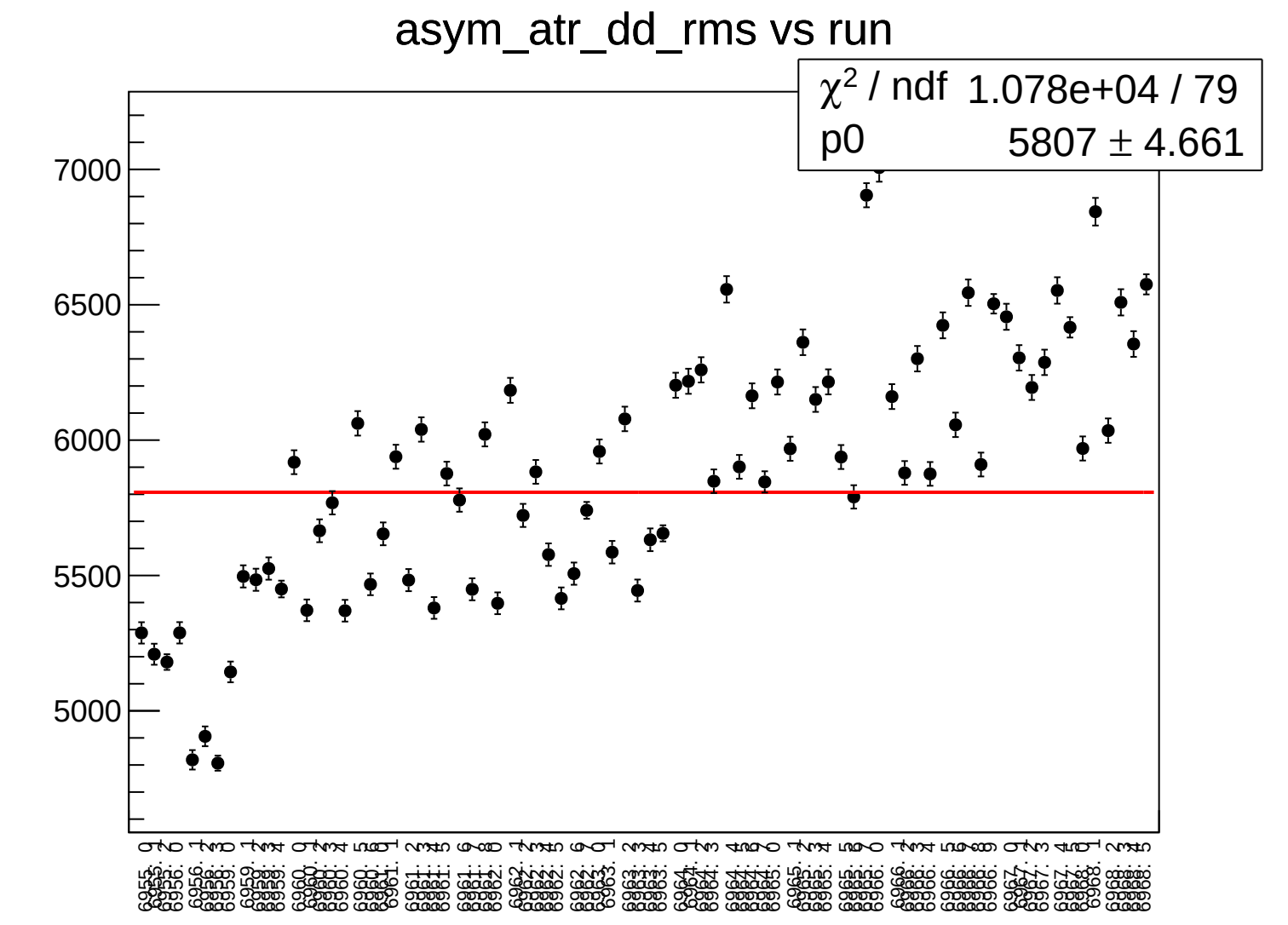

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 88.56 / 79
p0 4103 ± 6228
pull
Entries 80
Mean −5.084
Std Dev 16.83

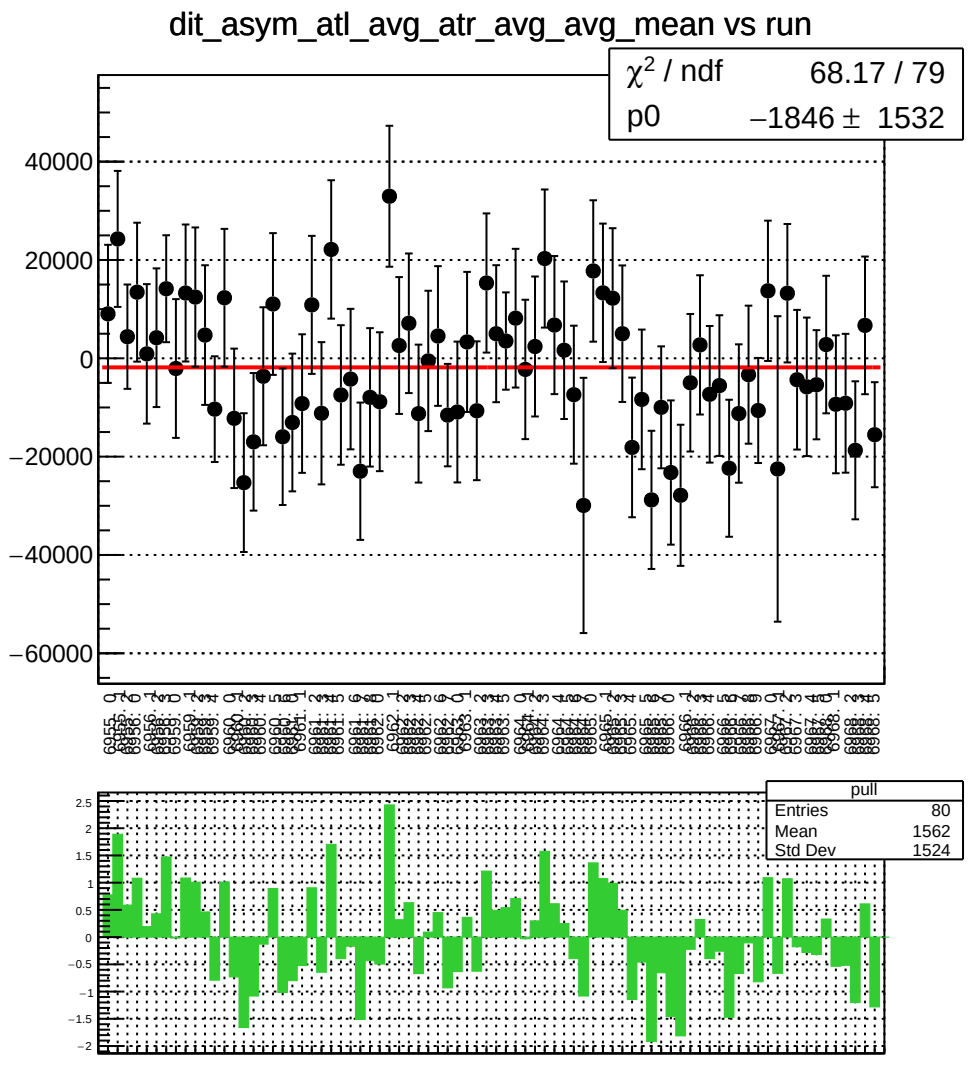

pull1D
Entries 80
Mean 0.02317
Std Dev 1.052

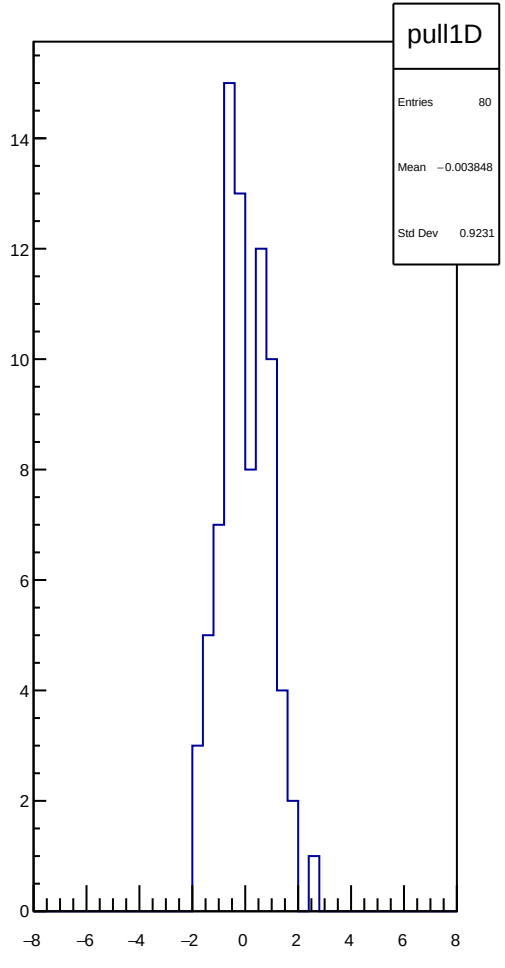

asym_atr_dd_correction_rms vs run
χ² / ndf 1.368e+04 / 79
p0 5482 ± 4.404
7000
6500
6000
5500
5000
4500

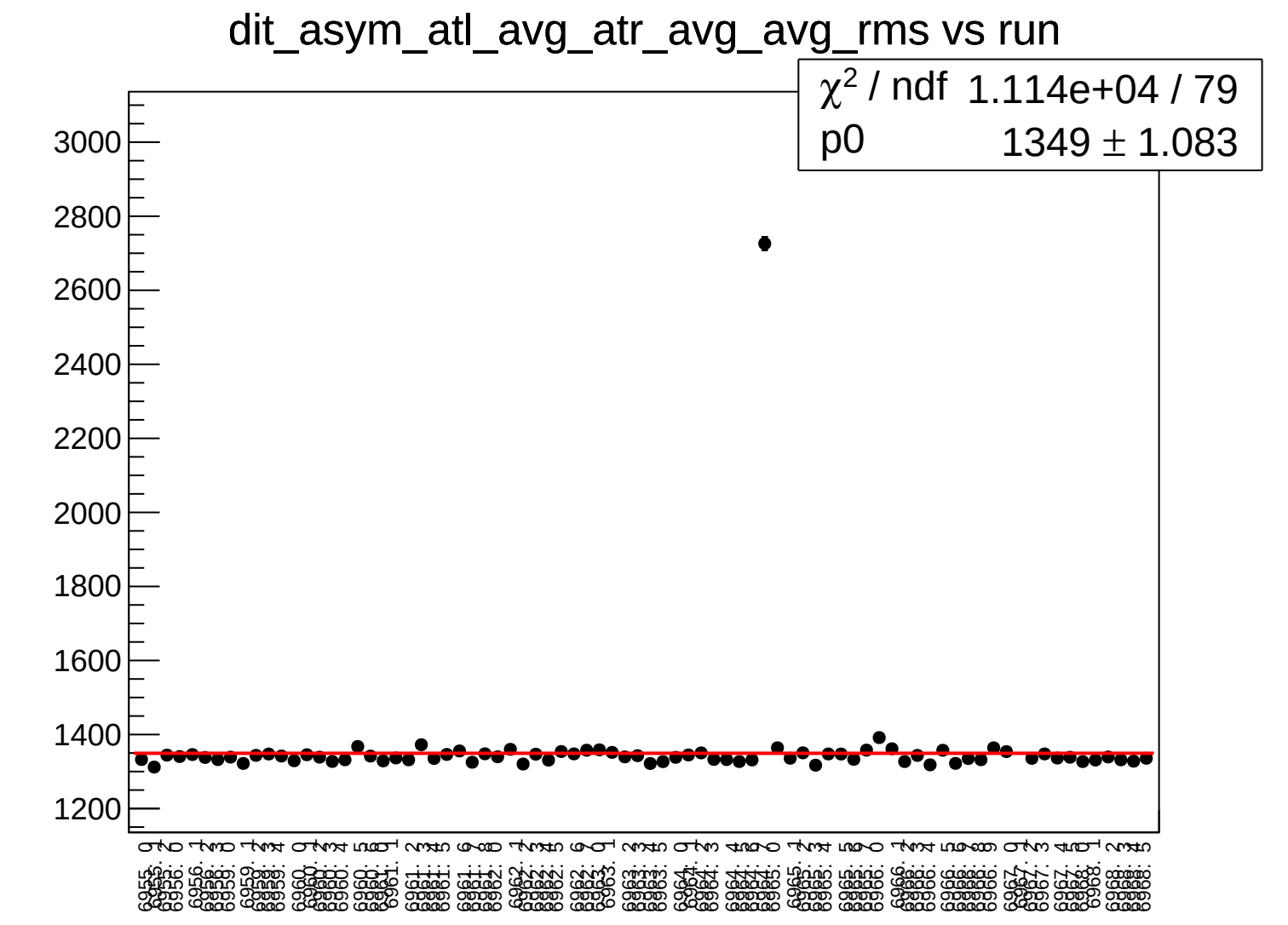

asym_atr_dd_mean vs run
×10^3
χ² / ndf 88.48 / 79
p0 −2980 ± 6592
200
100
0
−100
−200
pull
Entries 80
Mean −13.22
Std Dev 40.34
2
1
0
−1
−2

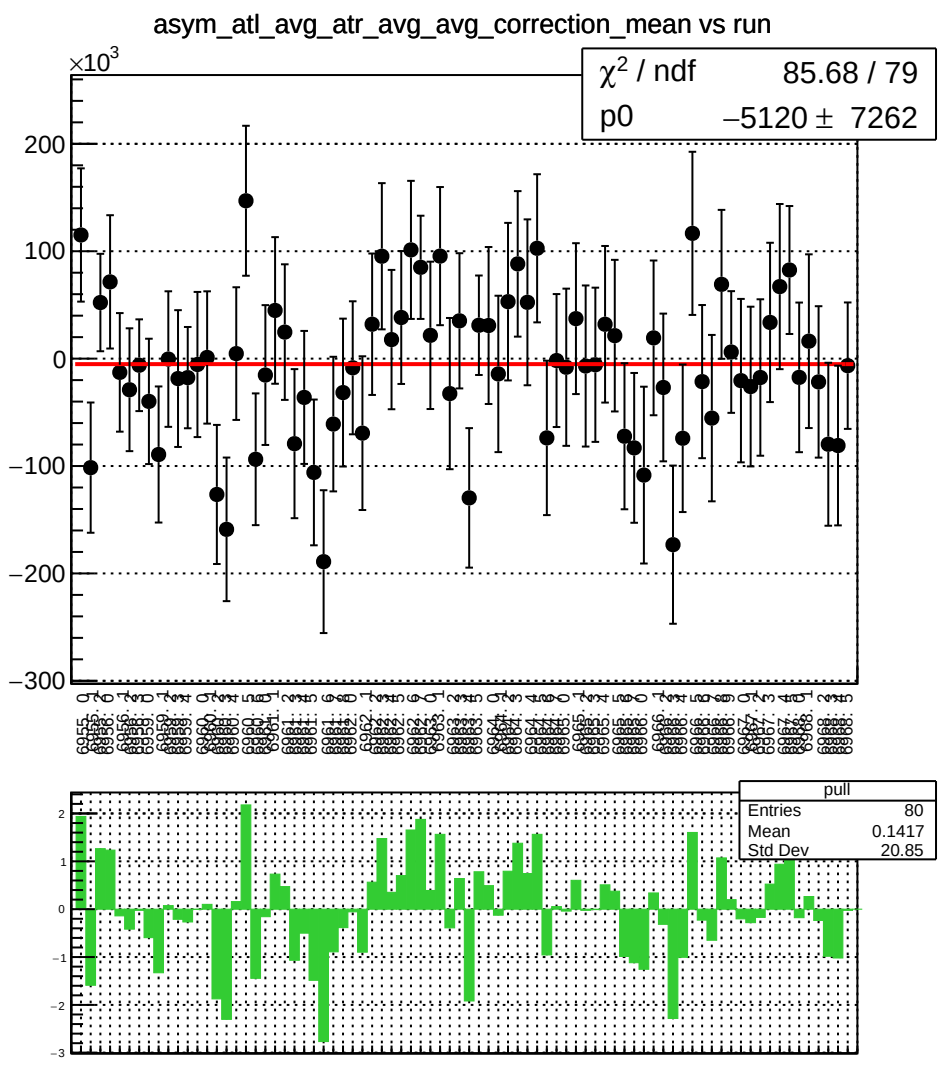

pull1D
Entries 80
Mean −0.02371
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

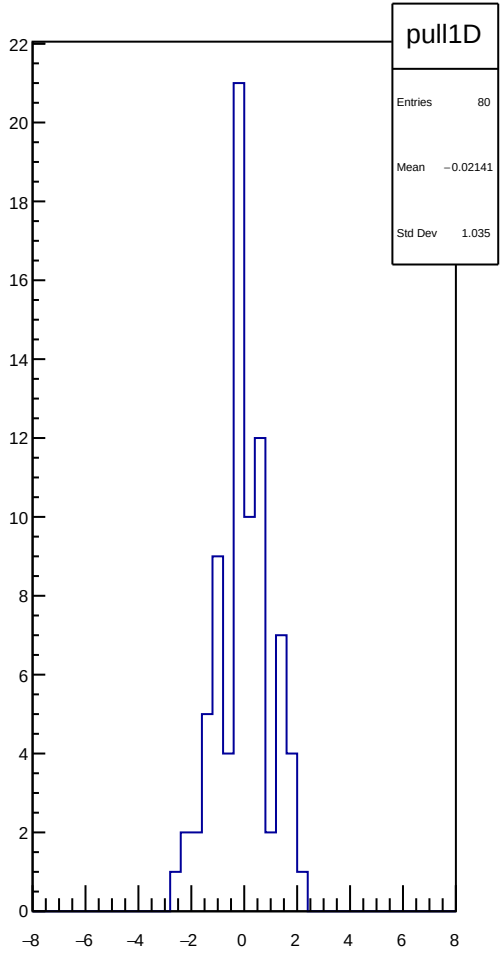

asym_atr_dd_rms vs run
χ² / ndf 1.078e+04 / 79
p0 5807 ± 4.661
7000
6500
6000
5500
5000

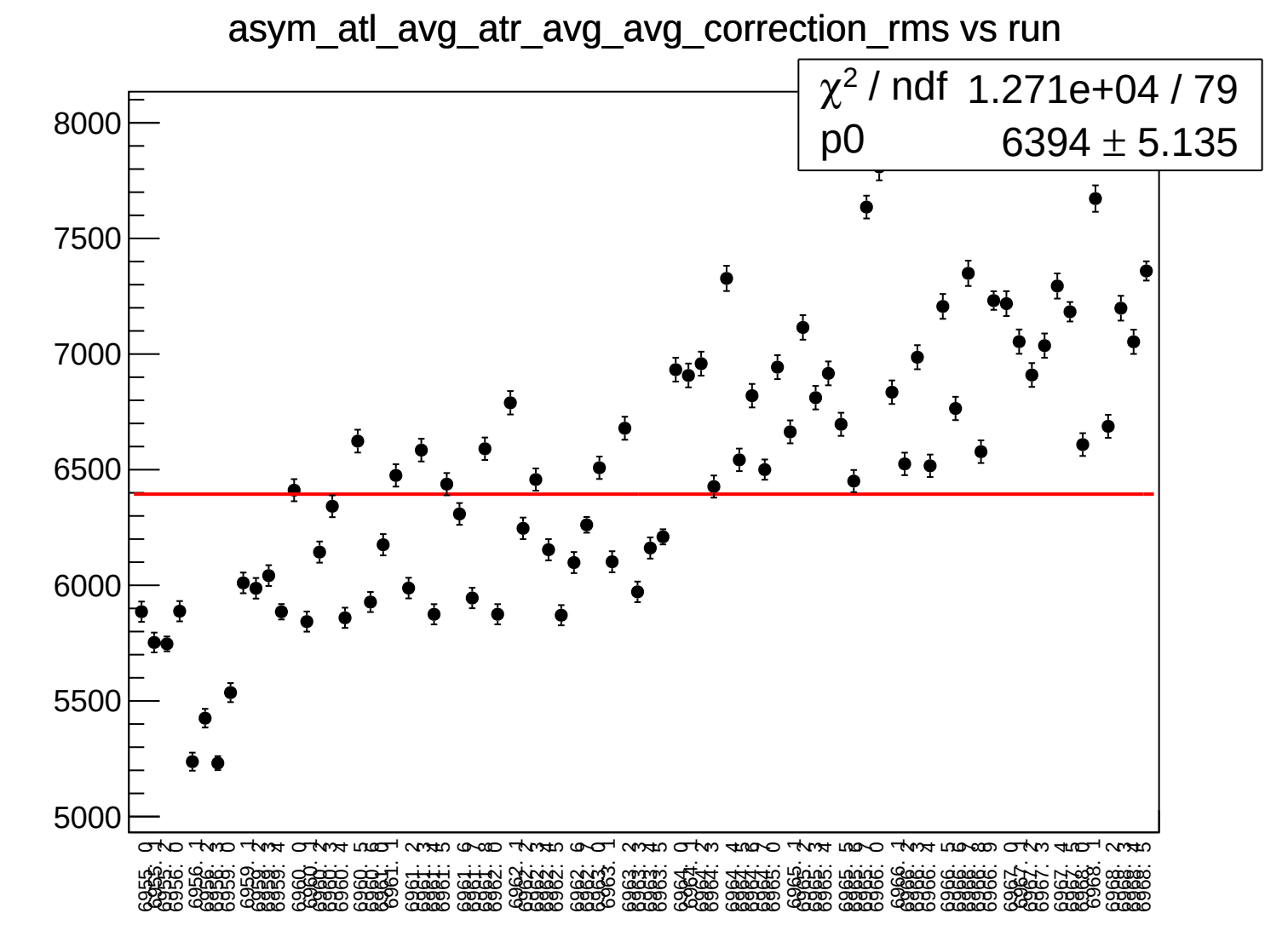

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 68.17 / 79
p0 −1846 ± 1532
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 1562
Std Dev 1524
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

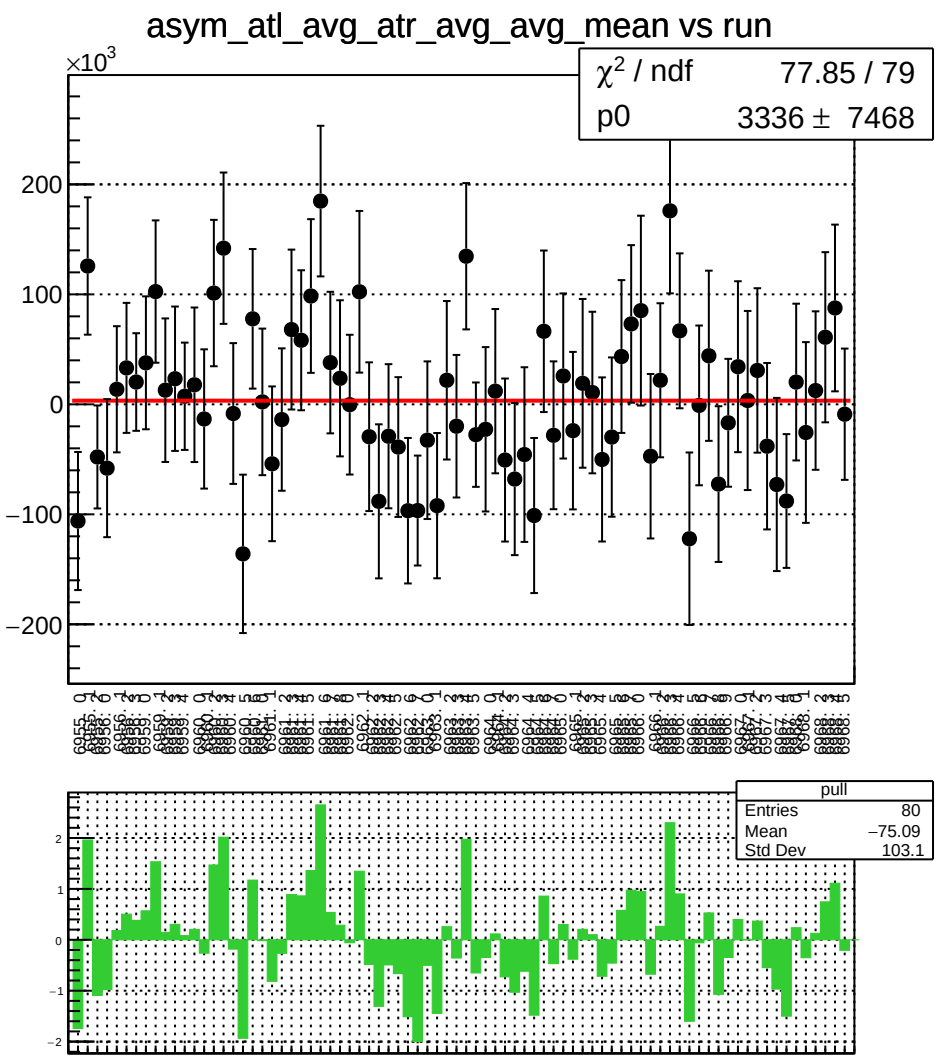

pull1D
Entries 80
Mean −0.003848
Std Dev 0.9231
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

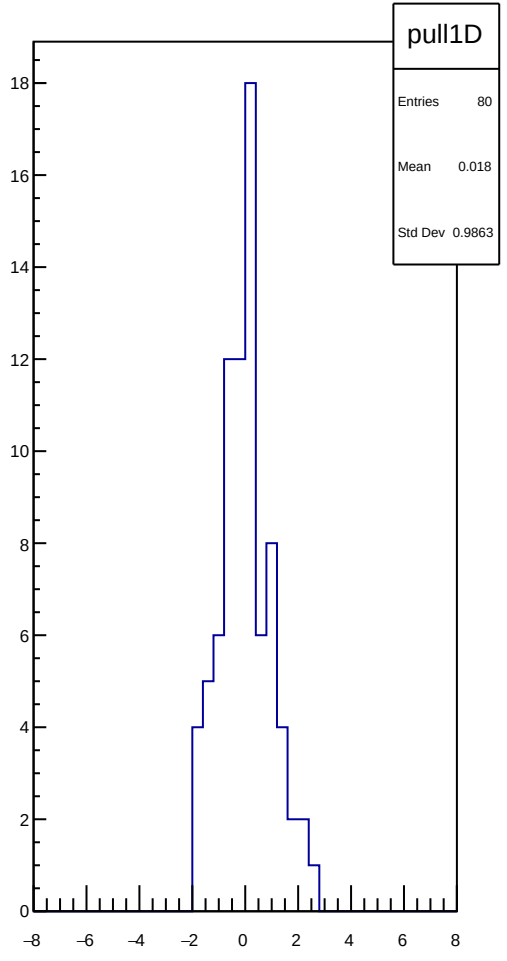

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.114e+04 / 79
p0 1349 ± 1.083
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

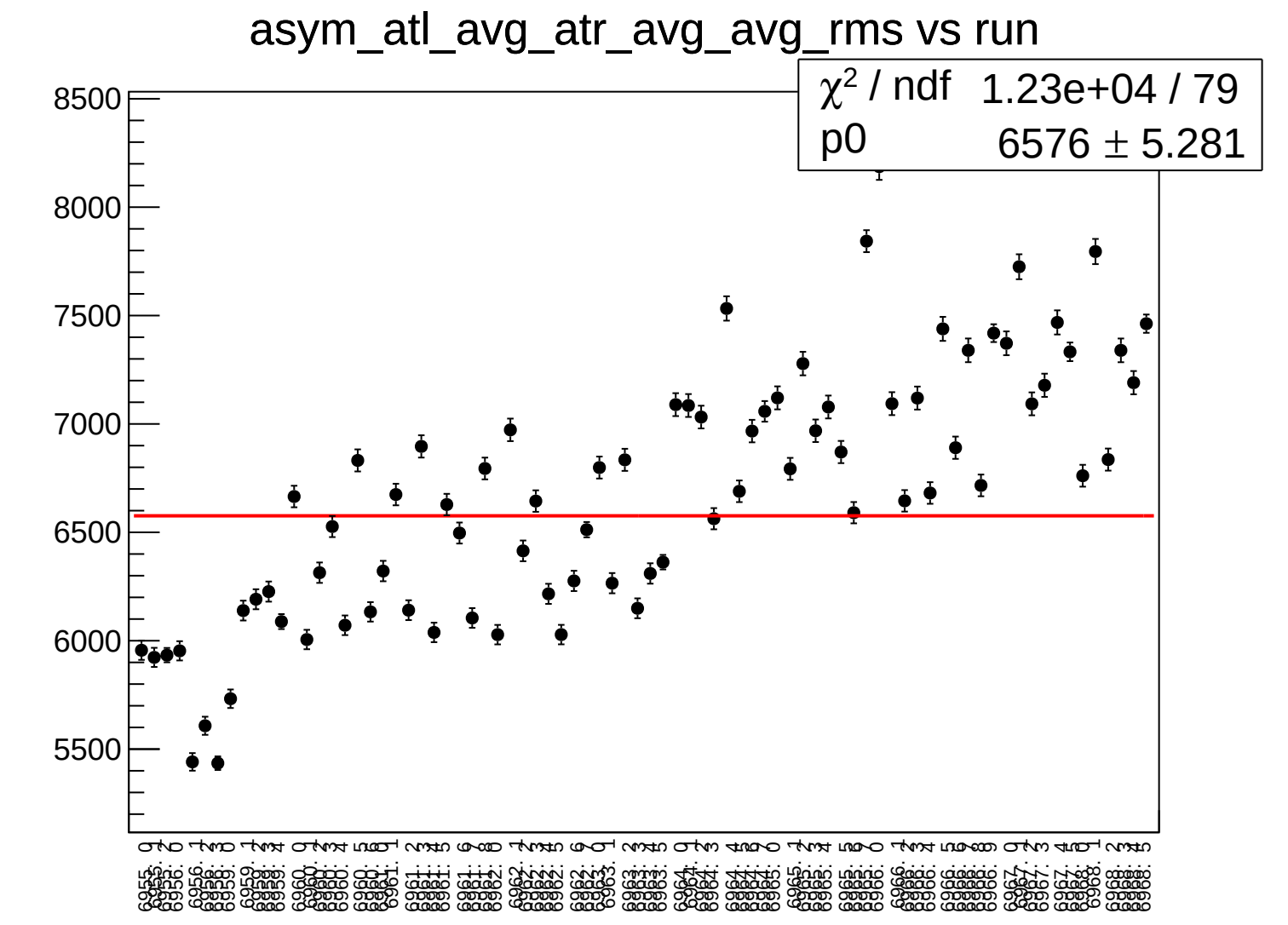

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 85.68 / 79
p0 −5120 ± 7262
200
100
0
−100
−200
−300
pull
Entries 80
Mean 0.1417
Std Dev 20.85
2
1
0
−1
−2
−3

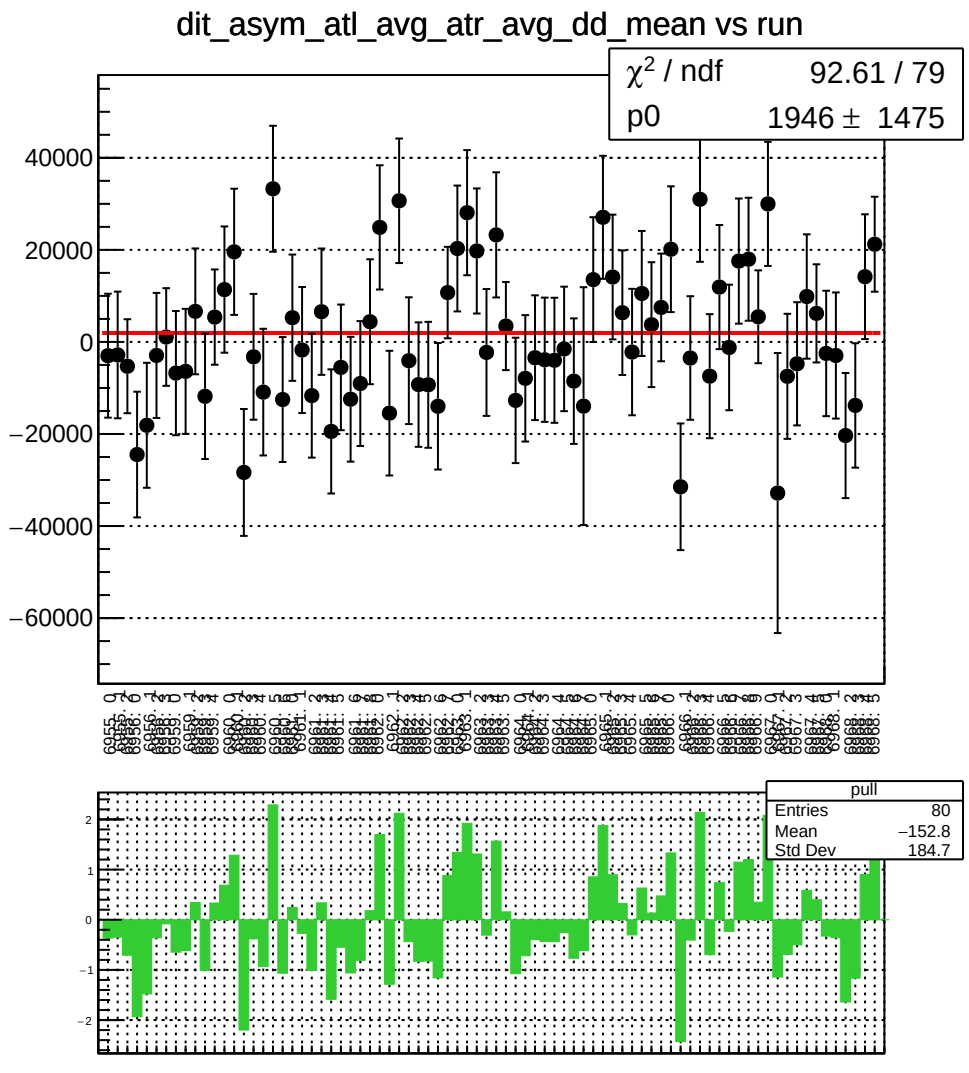

pull1D
Entries 80
Mean −0.02141
Std Dev 1.035
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

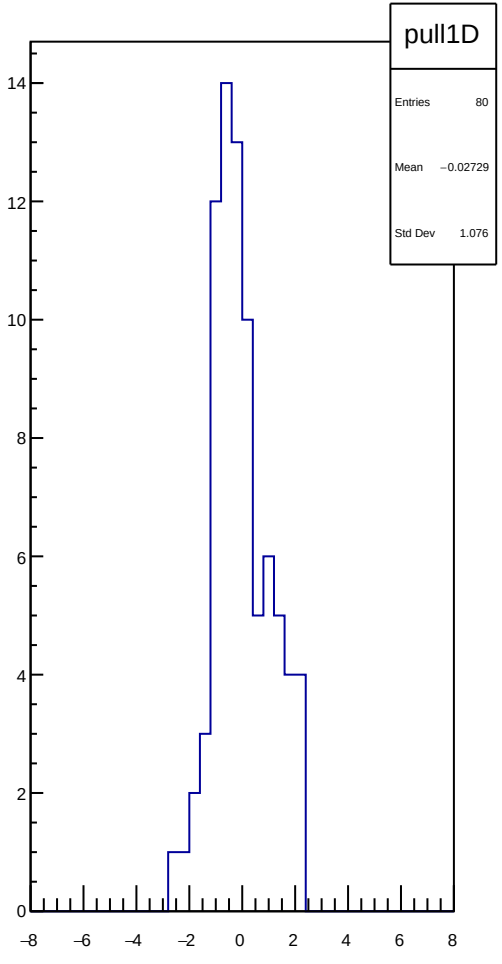

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.271e+04 / 79
p0 6394 ± 5.135
8000
7500
7000
6500
6000
5500
5000

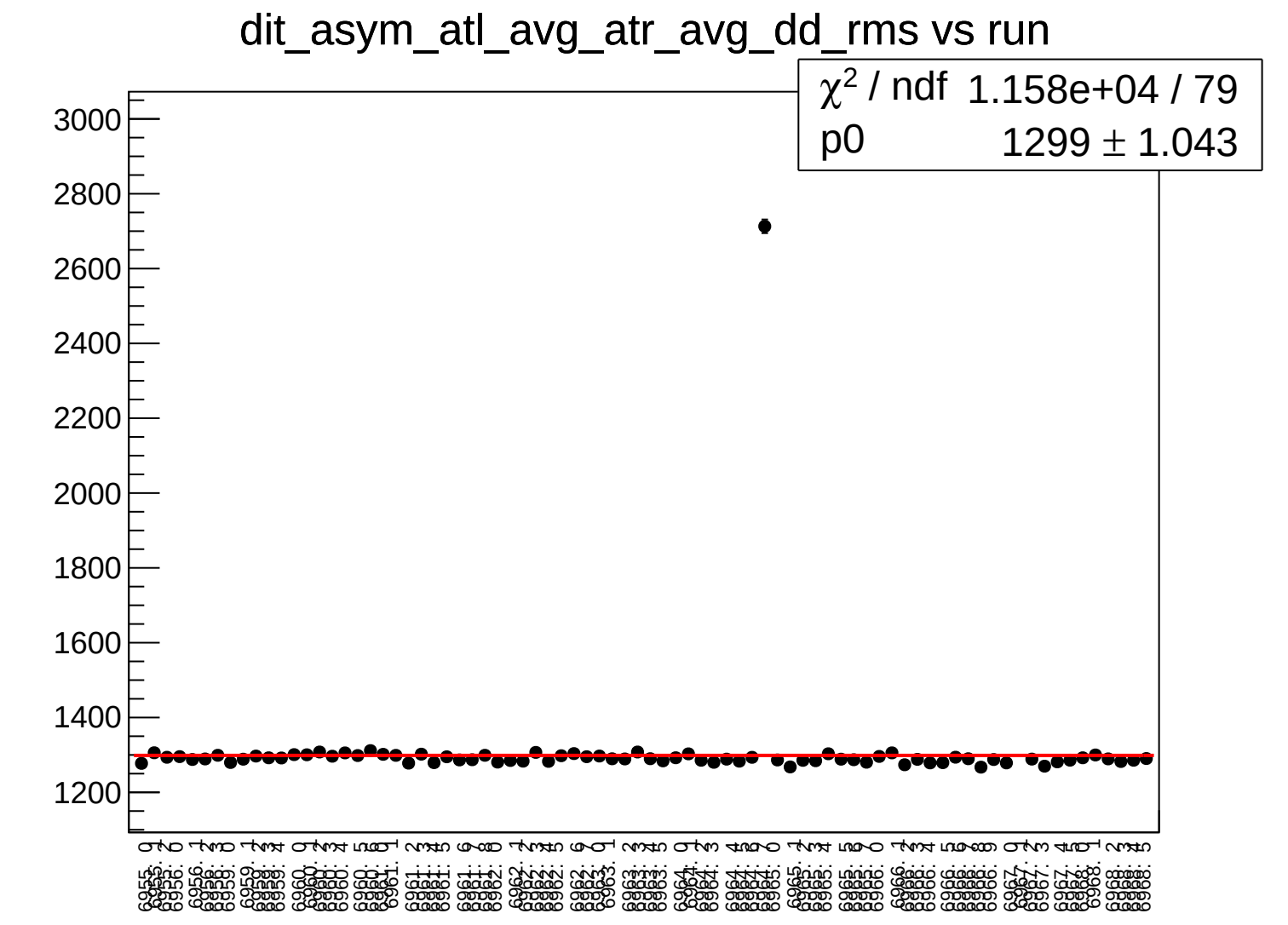

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 77.85 / 79
p0 3336 ± 7468
200
100
0
−100
−200
pull
Entries 80
Mean −75.09
Std Dev 103.1
2
1
0
−1
−2

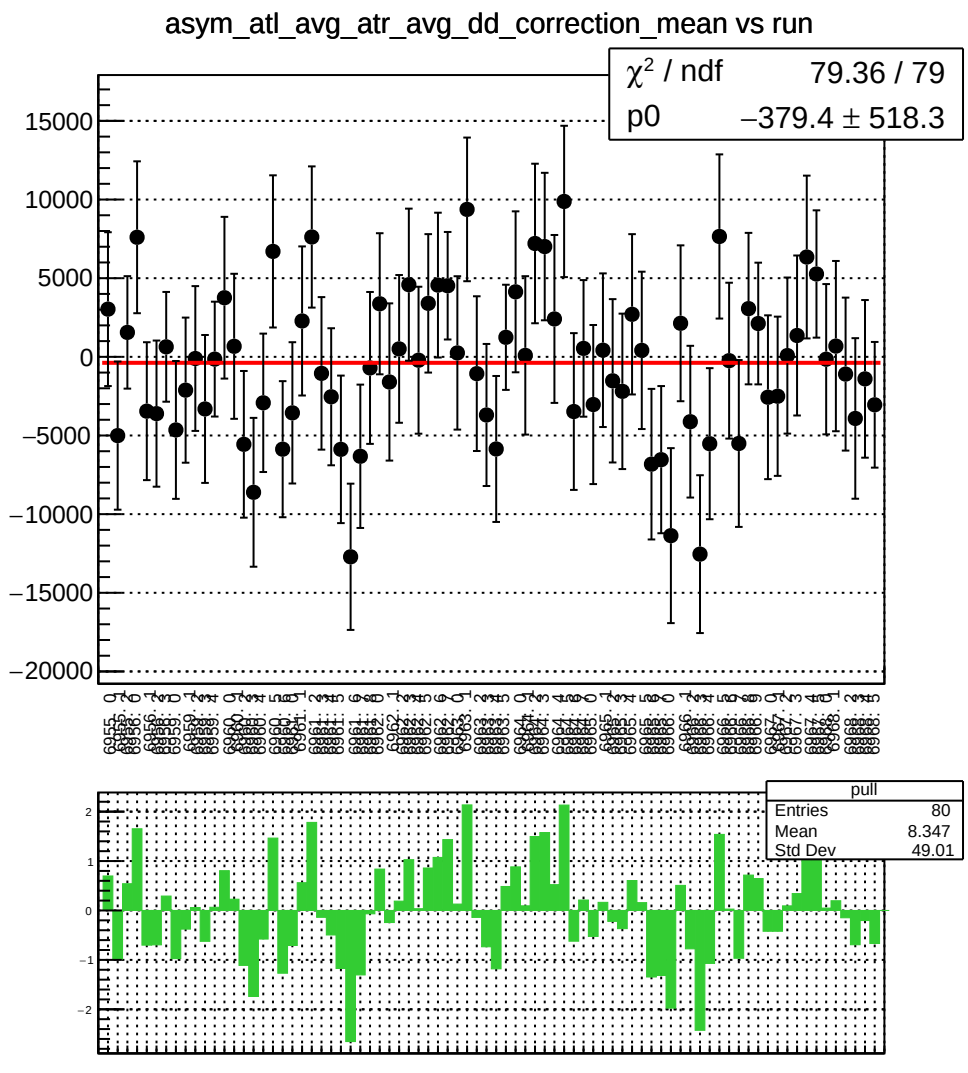

pull1D
Entries 80
Mean 0.018
Std Dev 0.9863
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

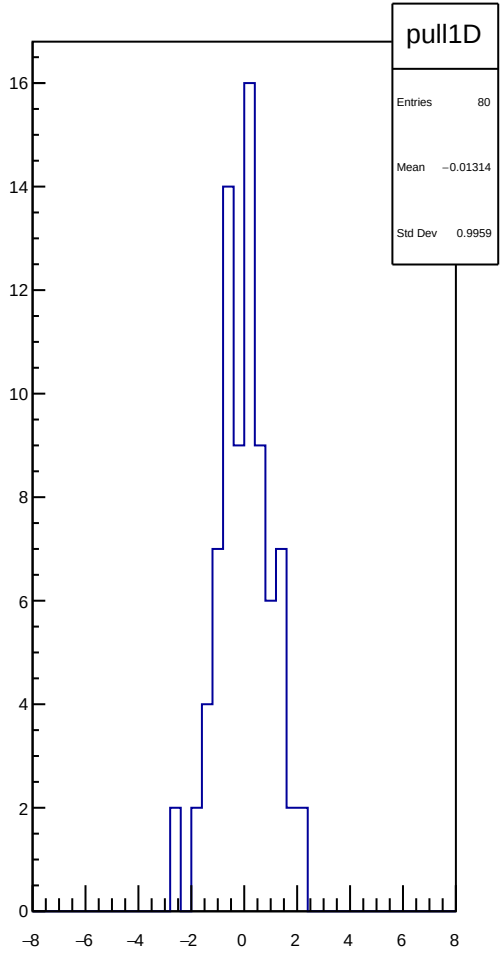

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.23e+04 / 79
p0 6576 ± 5.281
8500
8000
7500
7000
6500
6000
5500

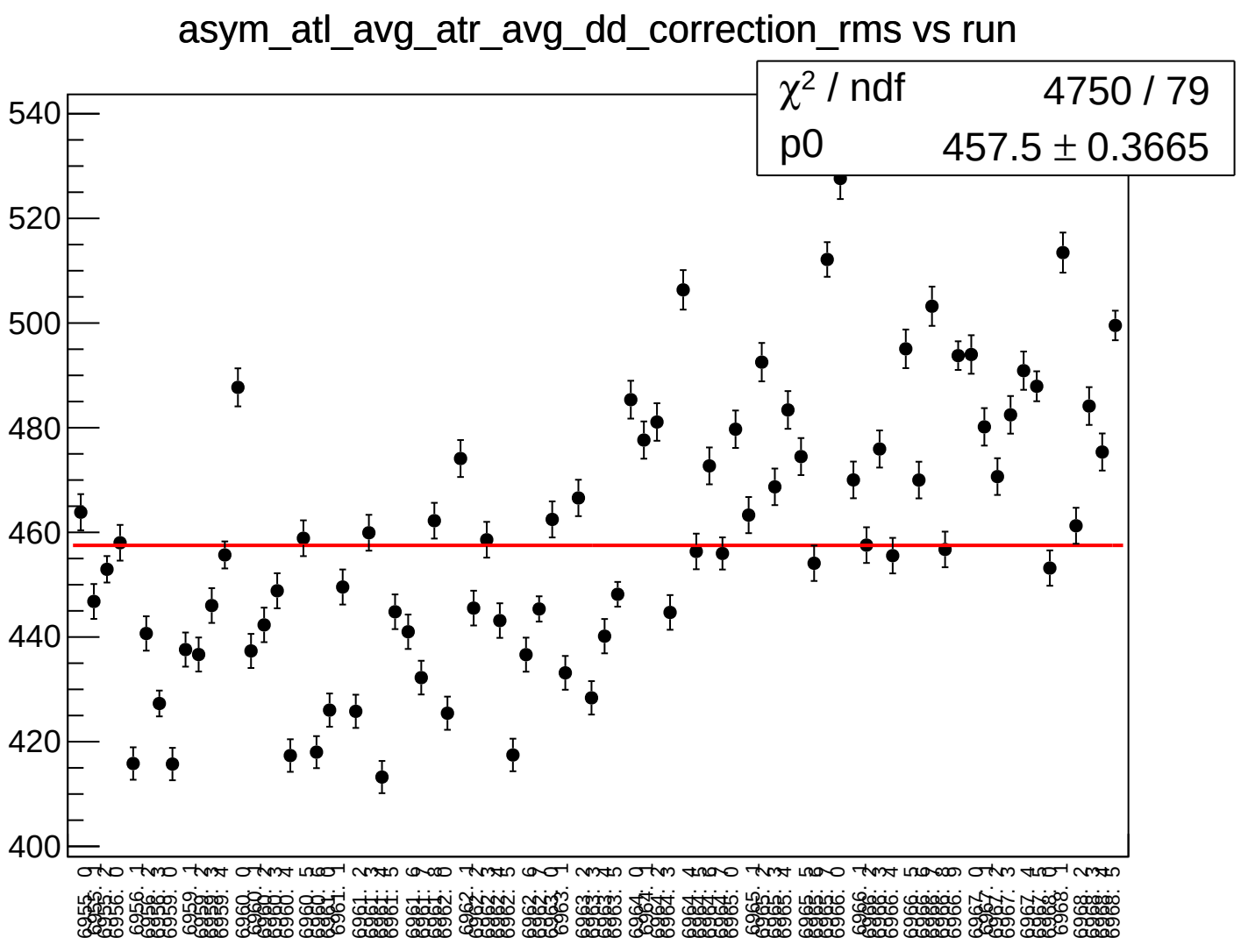

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 92.61 / 79
p0 1946 ± 1475
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −152.8
Std Dev 184.7
2
1
0
−1
−2

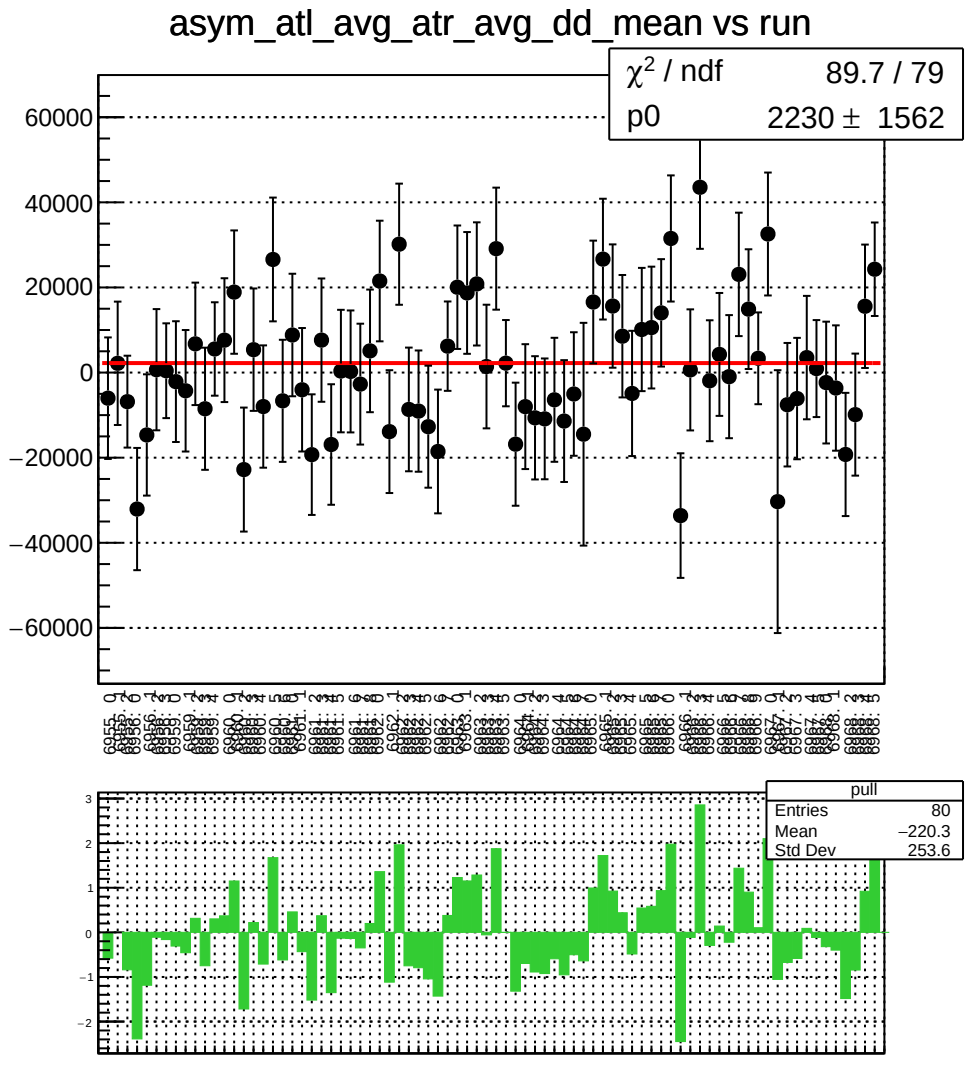

pull1D
Entries 80
Mean −0.02729
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

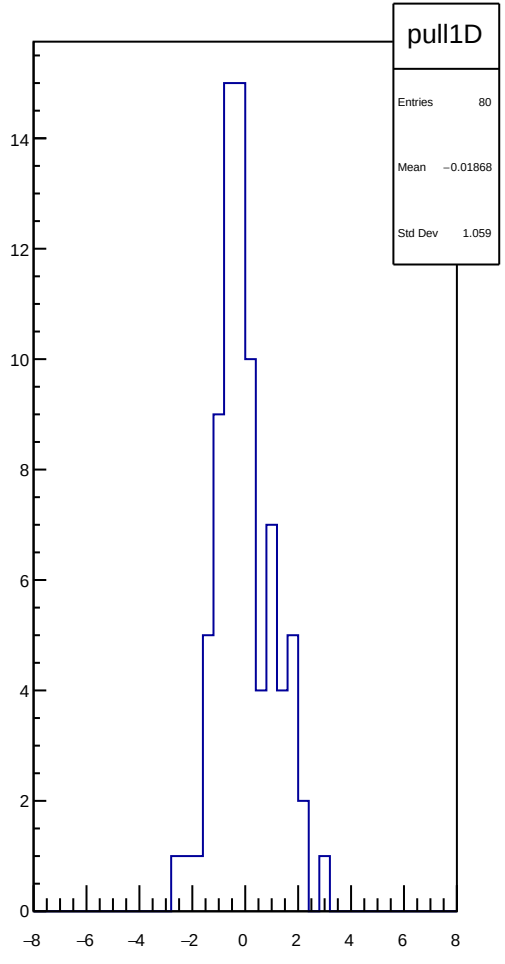

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.158e+04 / 79
p0 1299 ± 1.043
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

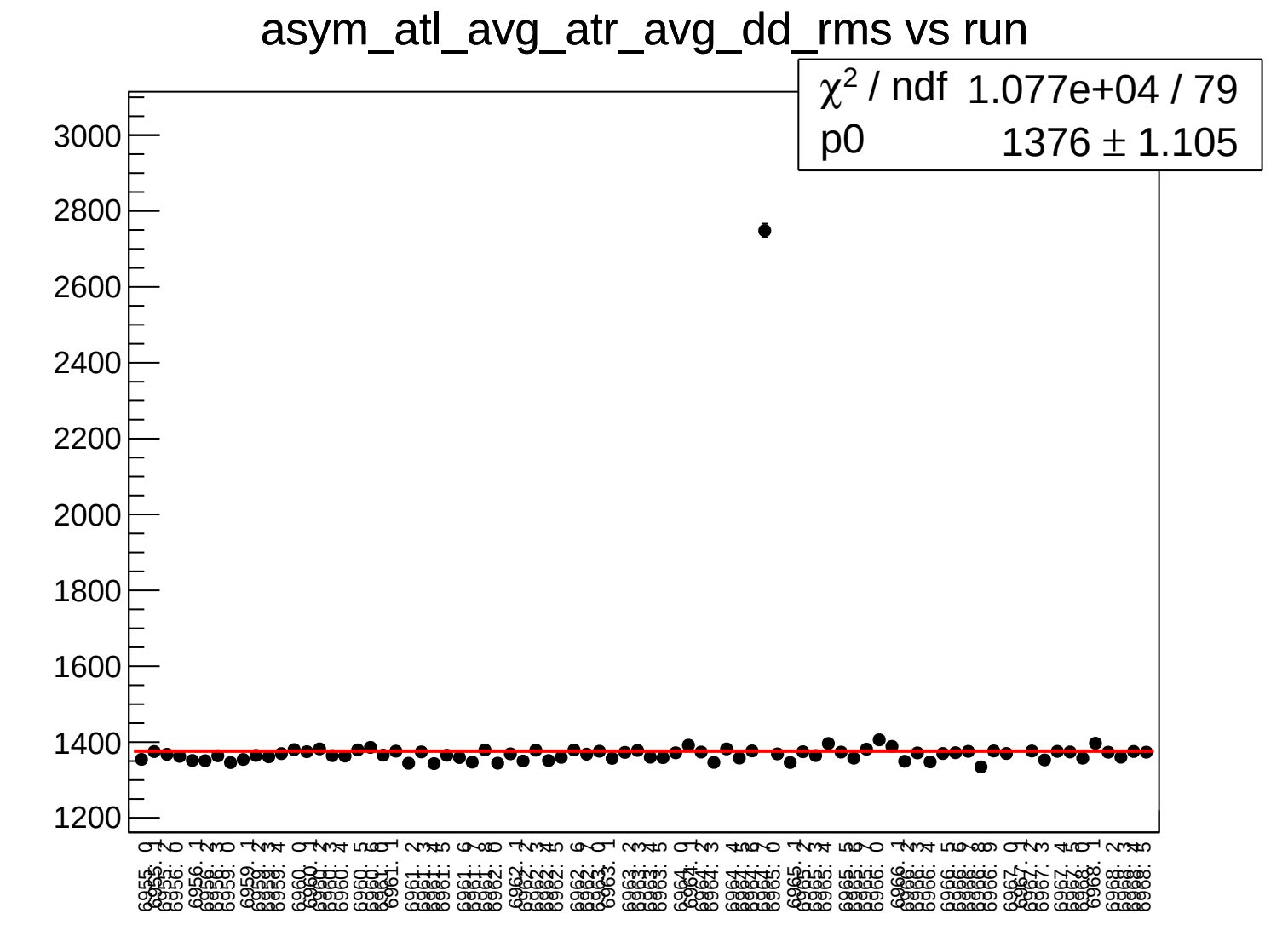

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 79.36 / 79
p0 −379.4 ± 518.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean 8.347
Std Dev 49.01
2
1
0
−1
−2

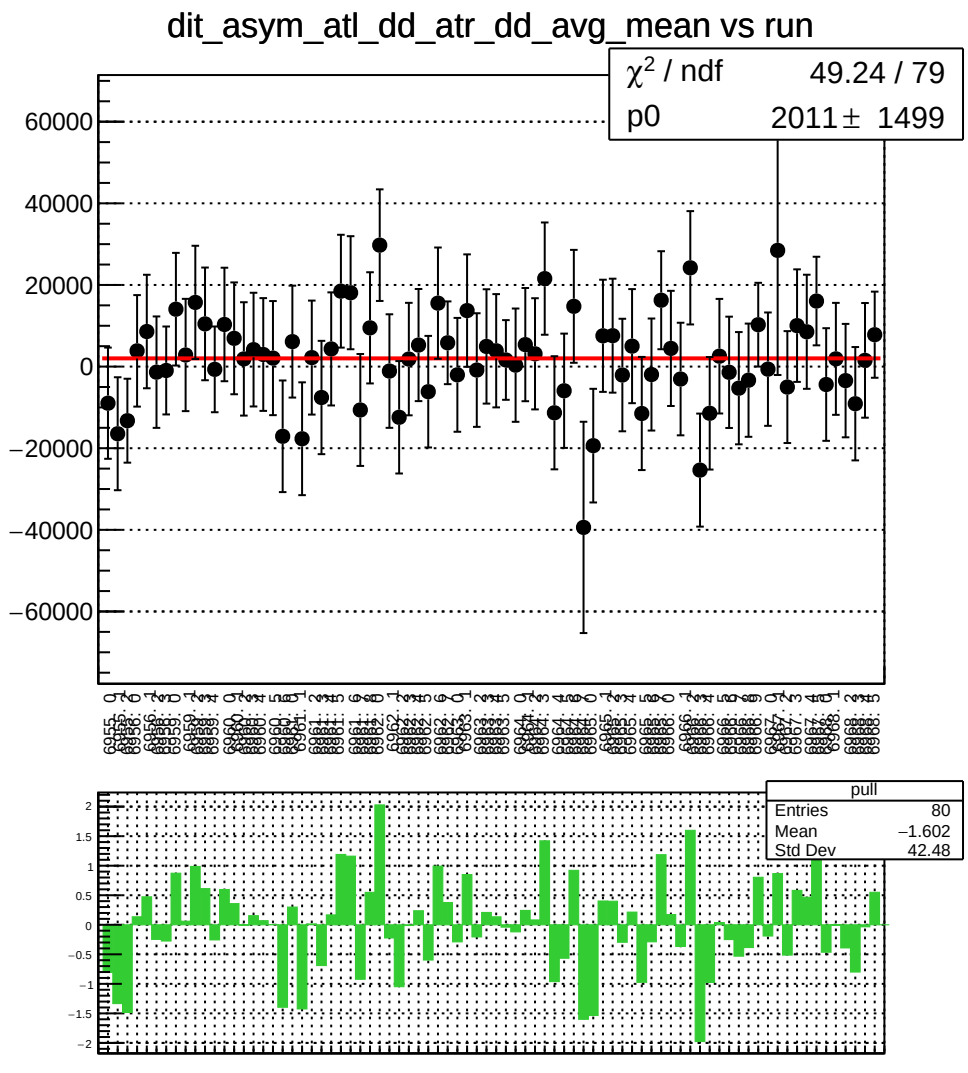

pull1D
Entries 80
Mean −0.01314
Std Dev 0.9959
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

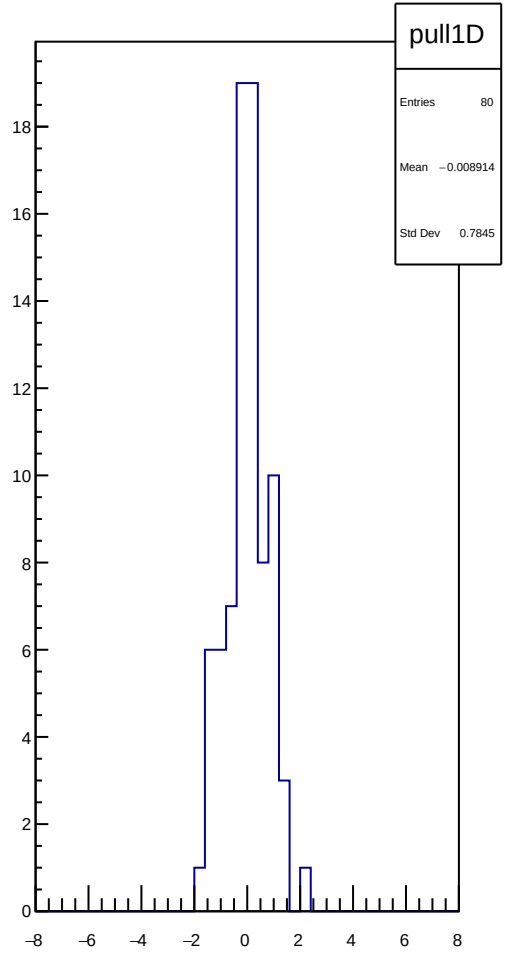

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 4750 / 79
p0 457.5 ± 0.3665
540
520
500
480
460
440
420
400

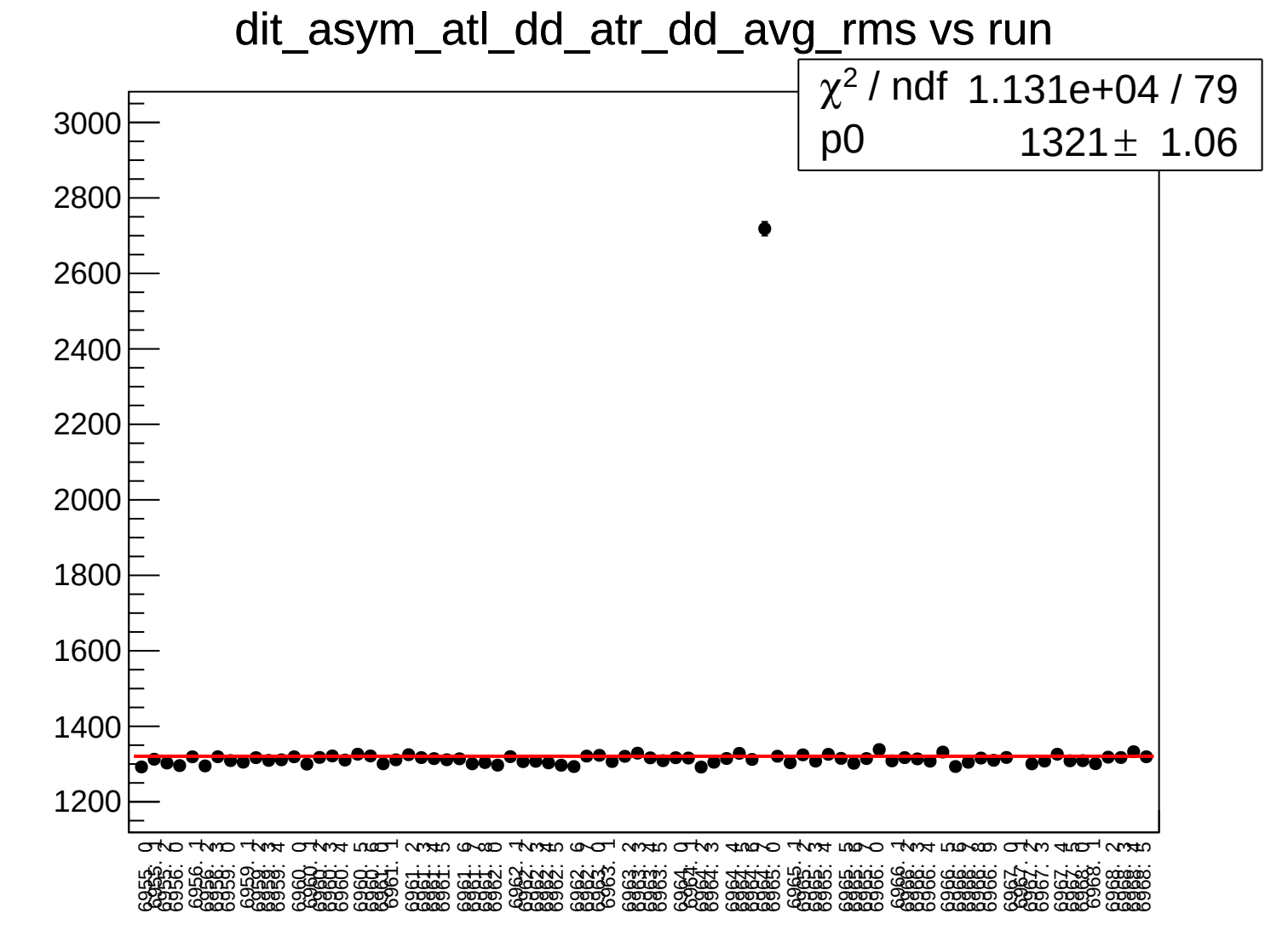

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 89.7 / 79
p0 2230 ± 1562
pull
Entries 80
Mean −220.3
Std Dev 253.6

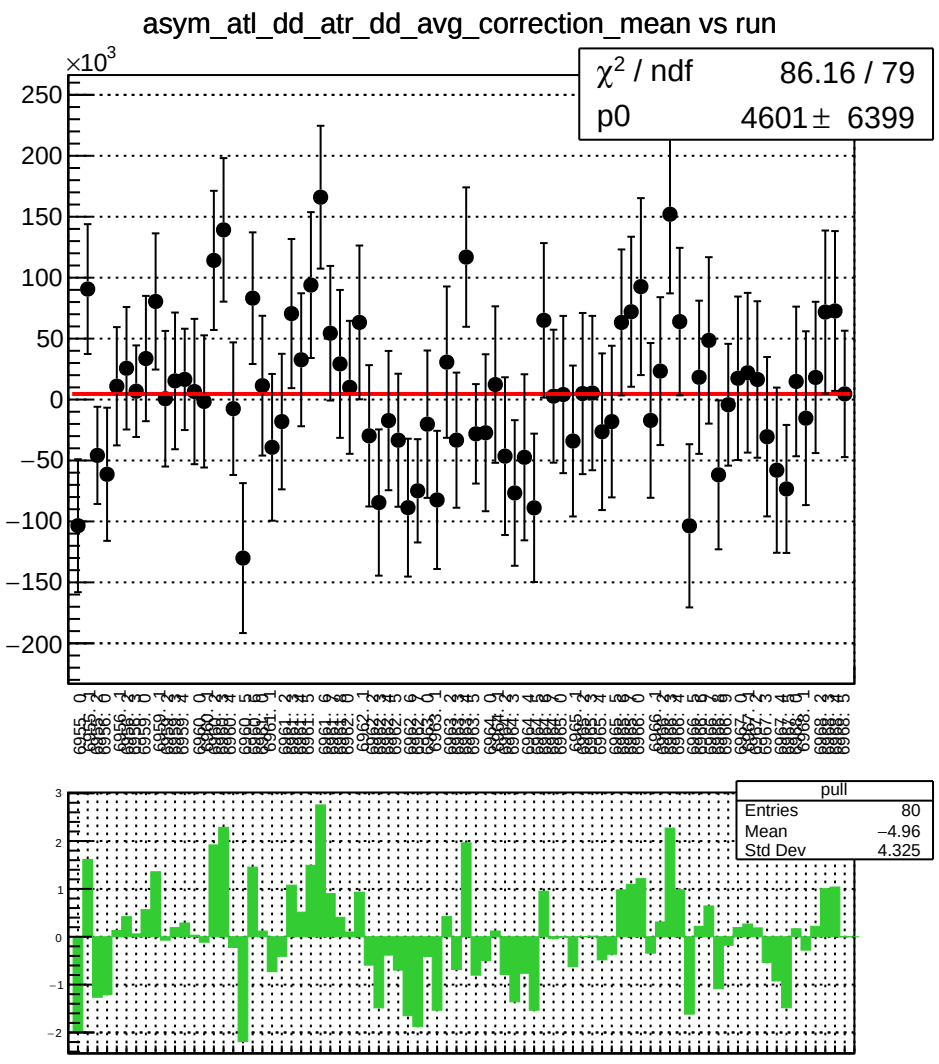

pull1D
Entries 80
Mean −0.01868
Std Dev 1.059

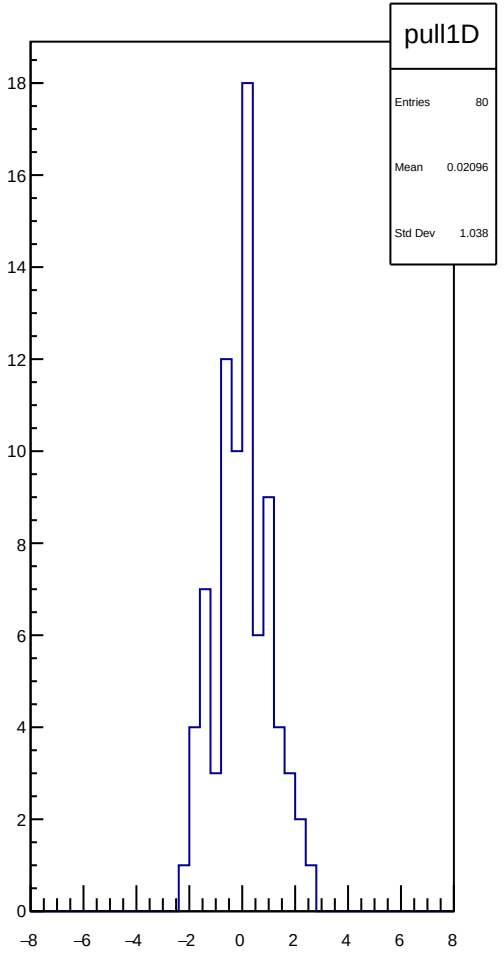

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.077e+04 / 79
p0 1376 ± 1.105
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

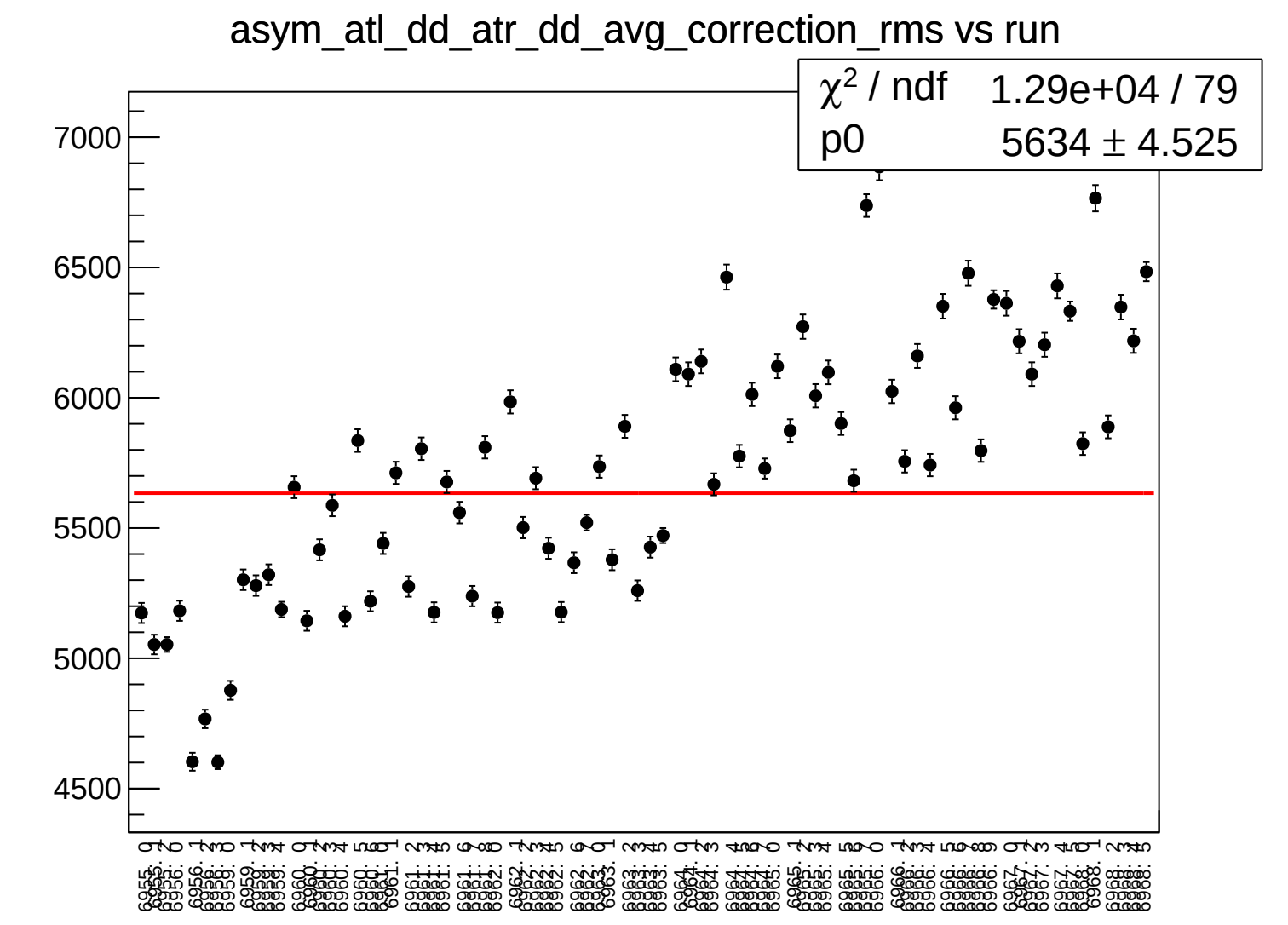

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 49.24 / 79
p0 2011 ± 1499
pull
Entries 80
Mean −1.602
Std Dev 42.48

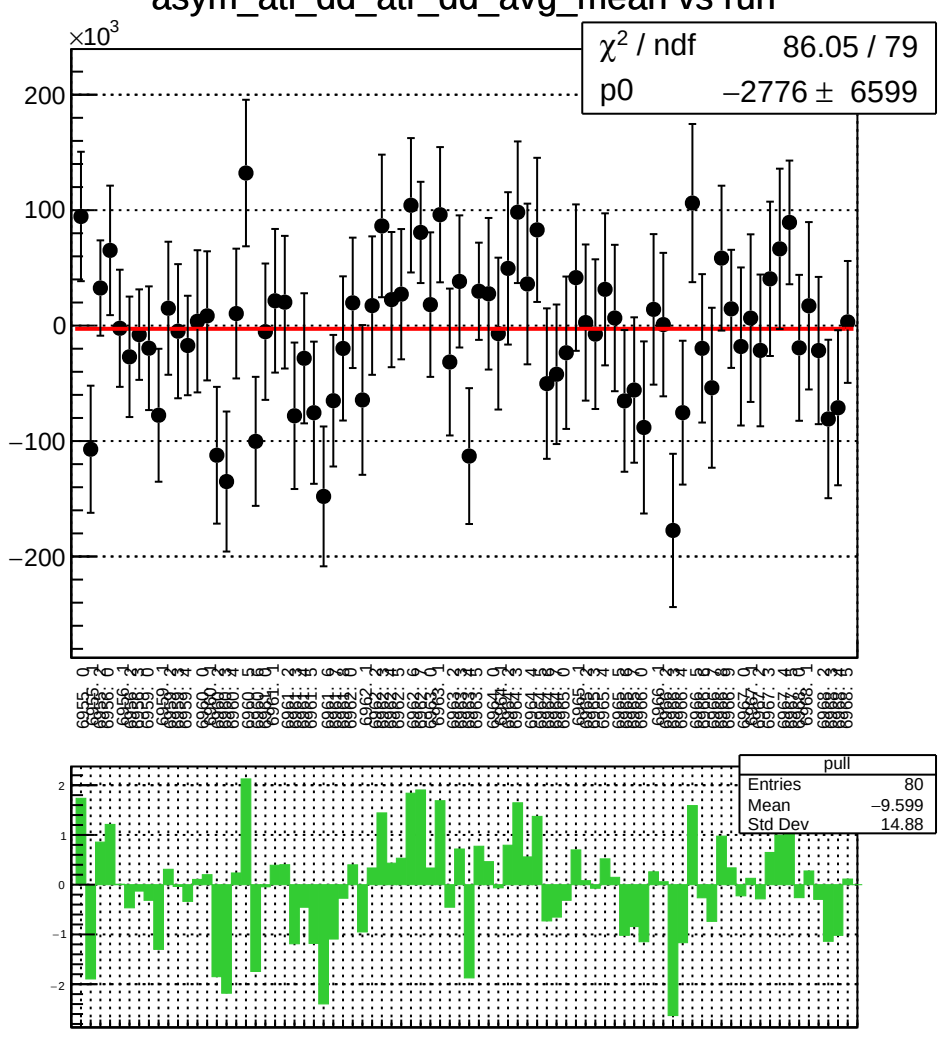

pull1D
Entries 80
Mean −0.008914
Std Dev 0.7845

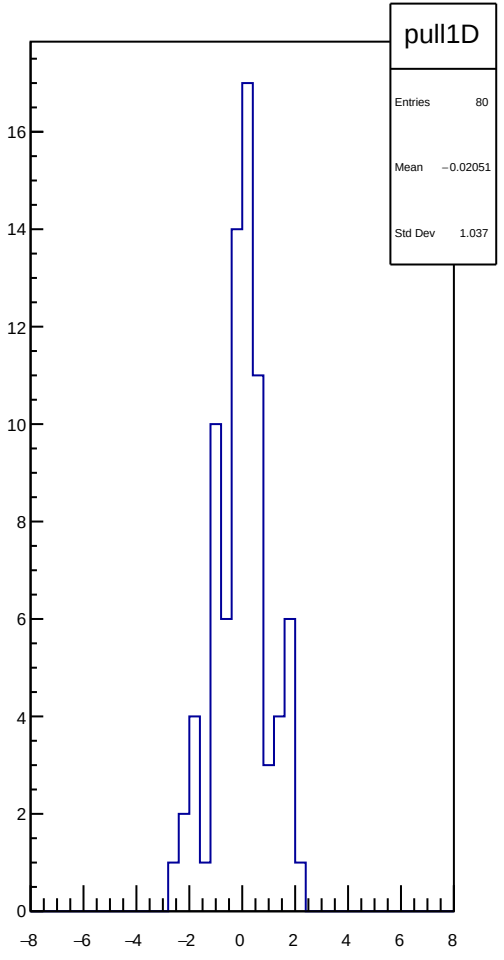

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.131e+04 / 79
p0 1321 ± 1.06
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

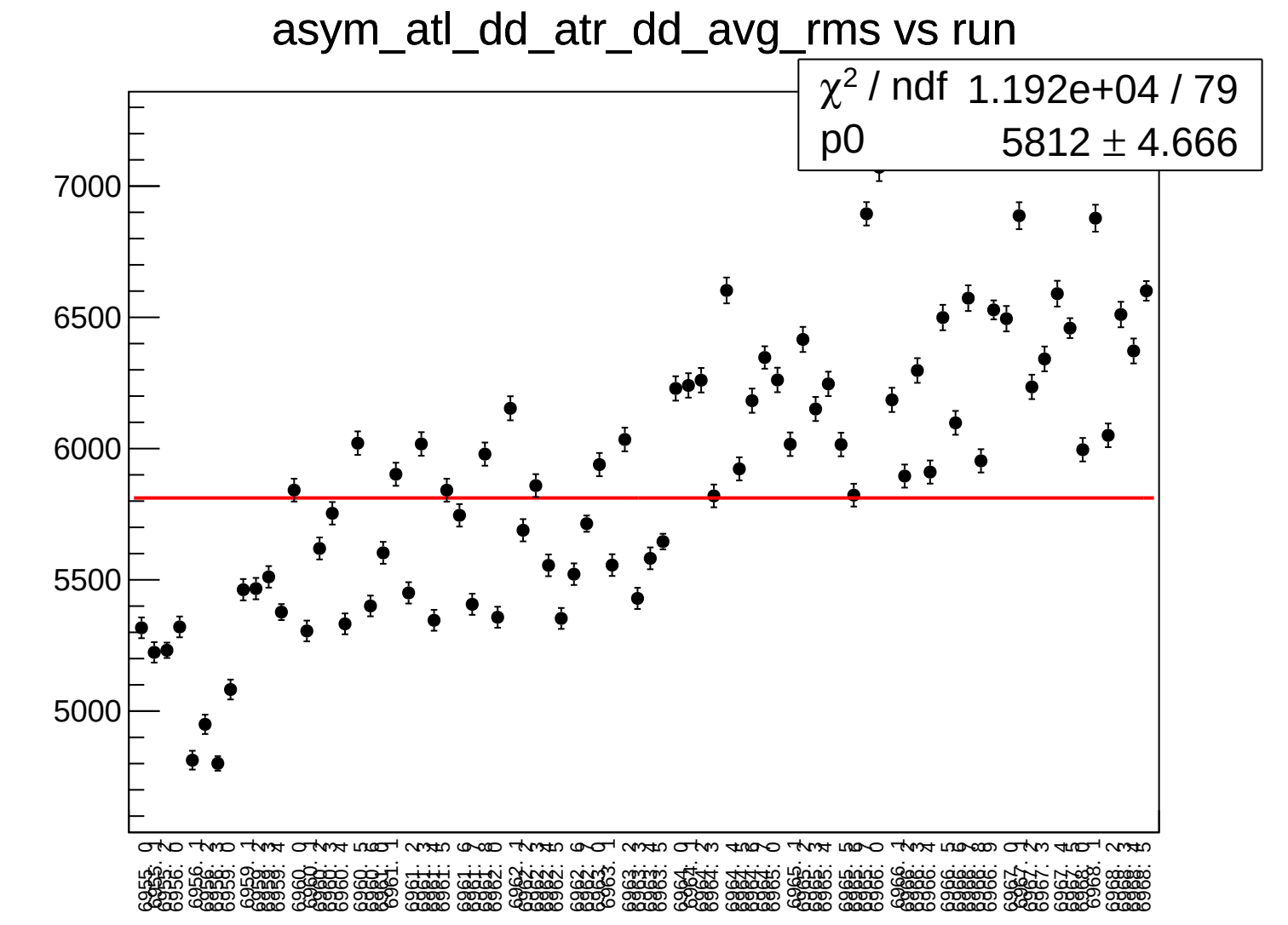

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 86.16 / 79
p0 4601 ± 6399
pull
Entries 80
Mean −4.96
Std Dev 4.325

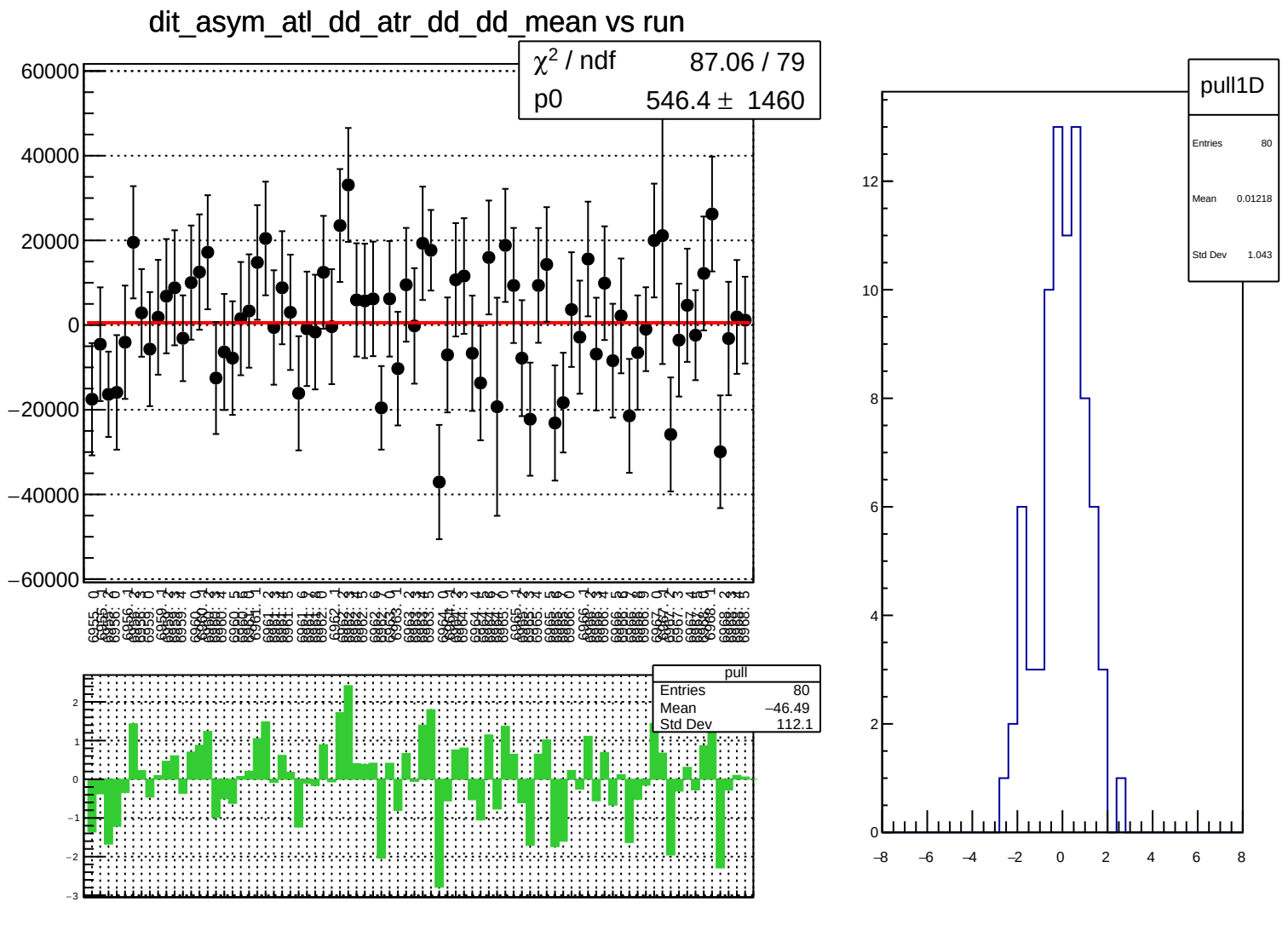

pull1D
Entries 80
Mean 0.02096
Std Dev 1.038

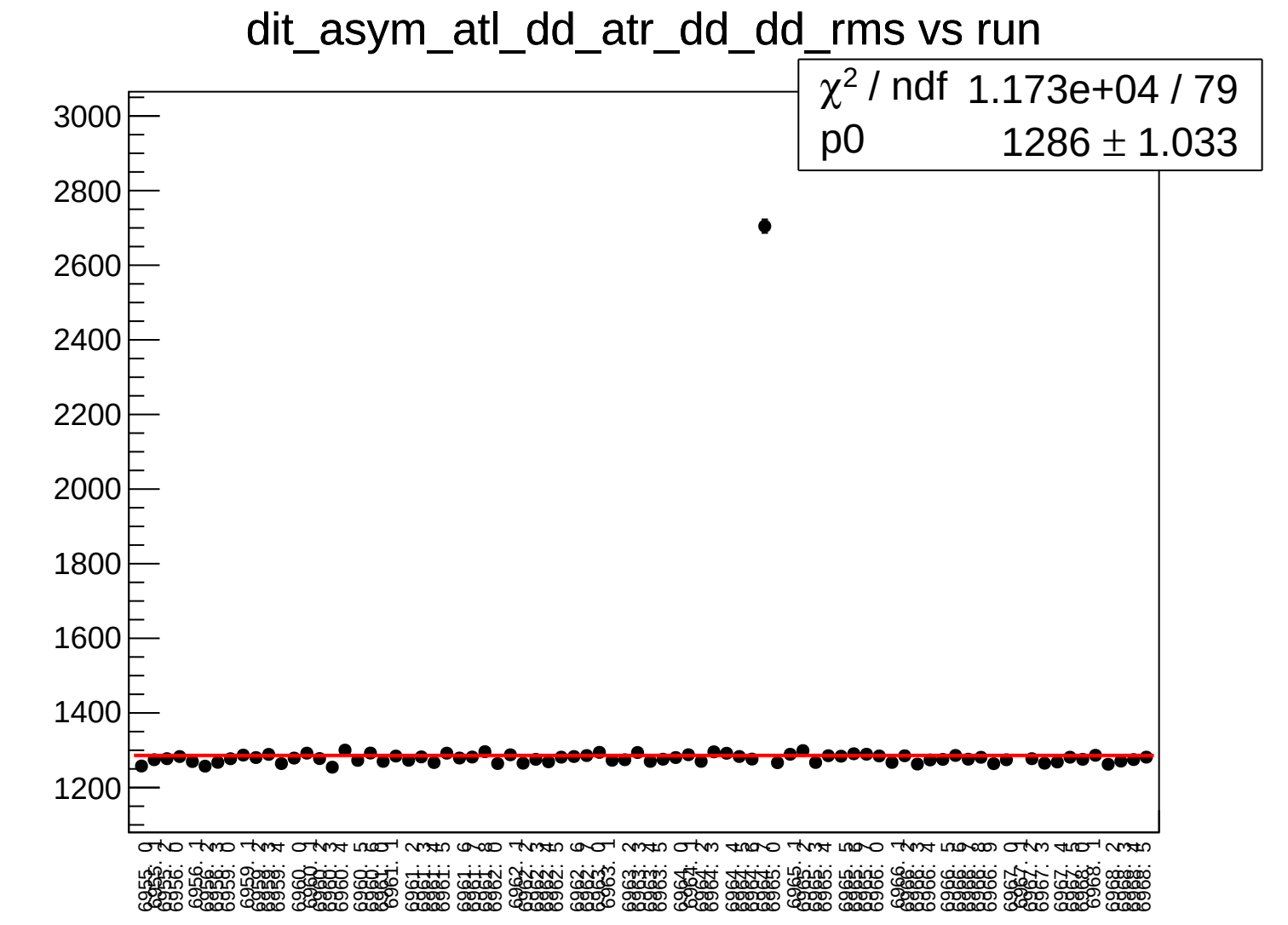

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.29e+04 / 79
p0 5634 ± 4.525
7000
6500
6000
5500
5000
4500

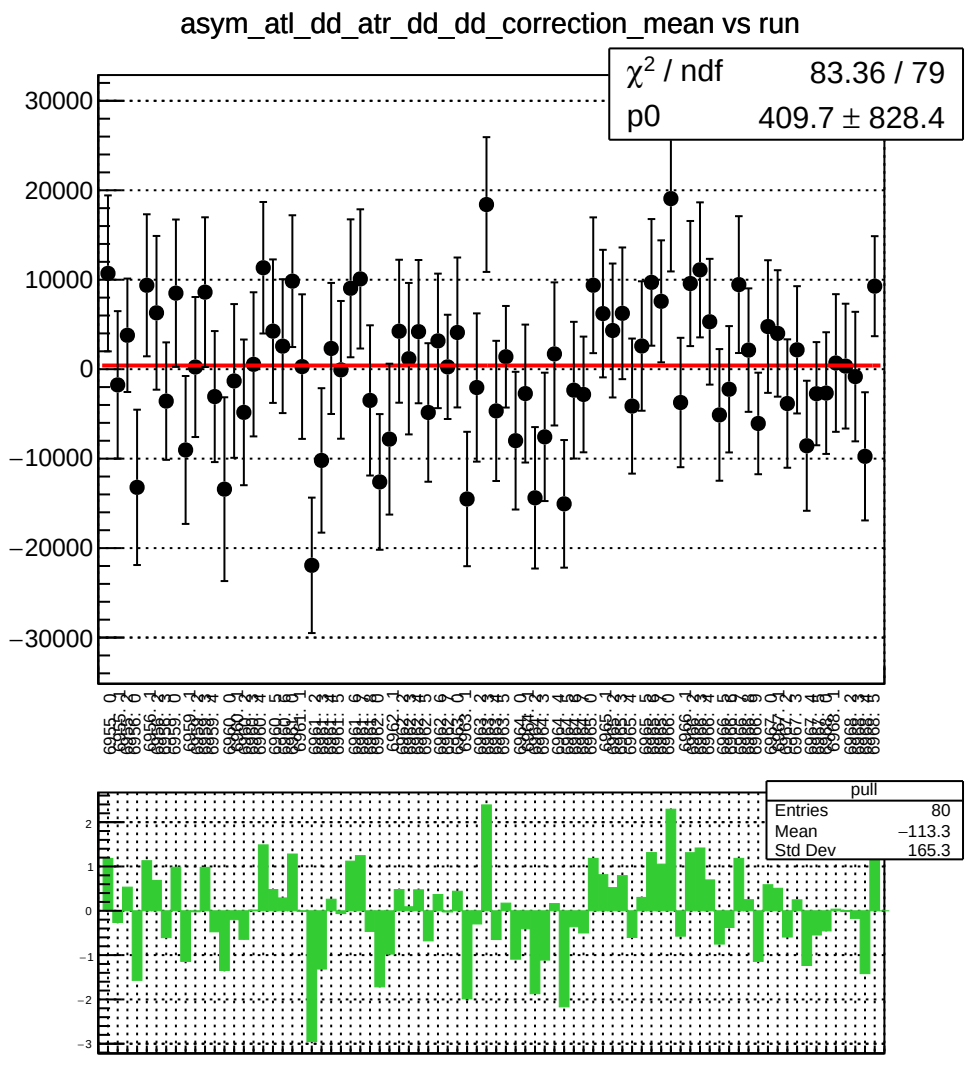

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 86.05 / 79
p0 −2776 ± 6599
200
100
0
−100
−200
pull
Entries 80
Mean −9.599
Std Dev 14.88
2
1
0
−1
−2

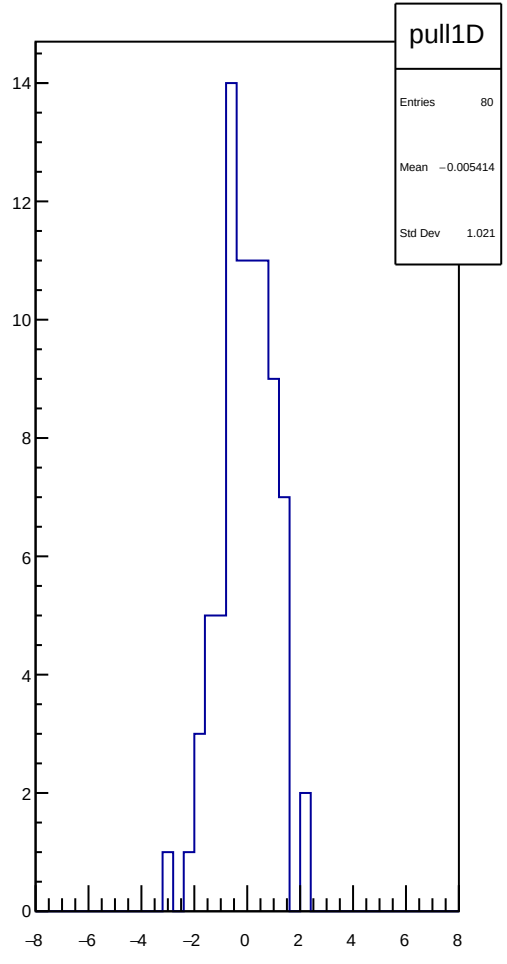

pull1D
Entries 80
Mean −0.02051
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

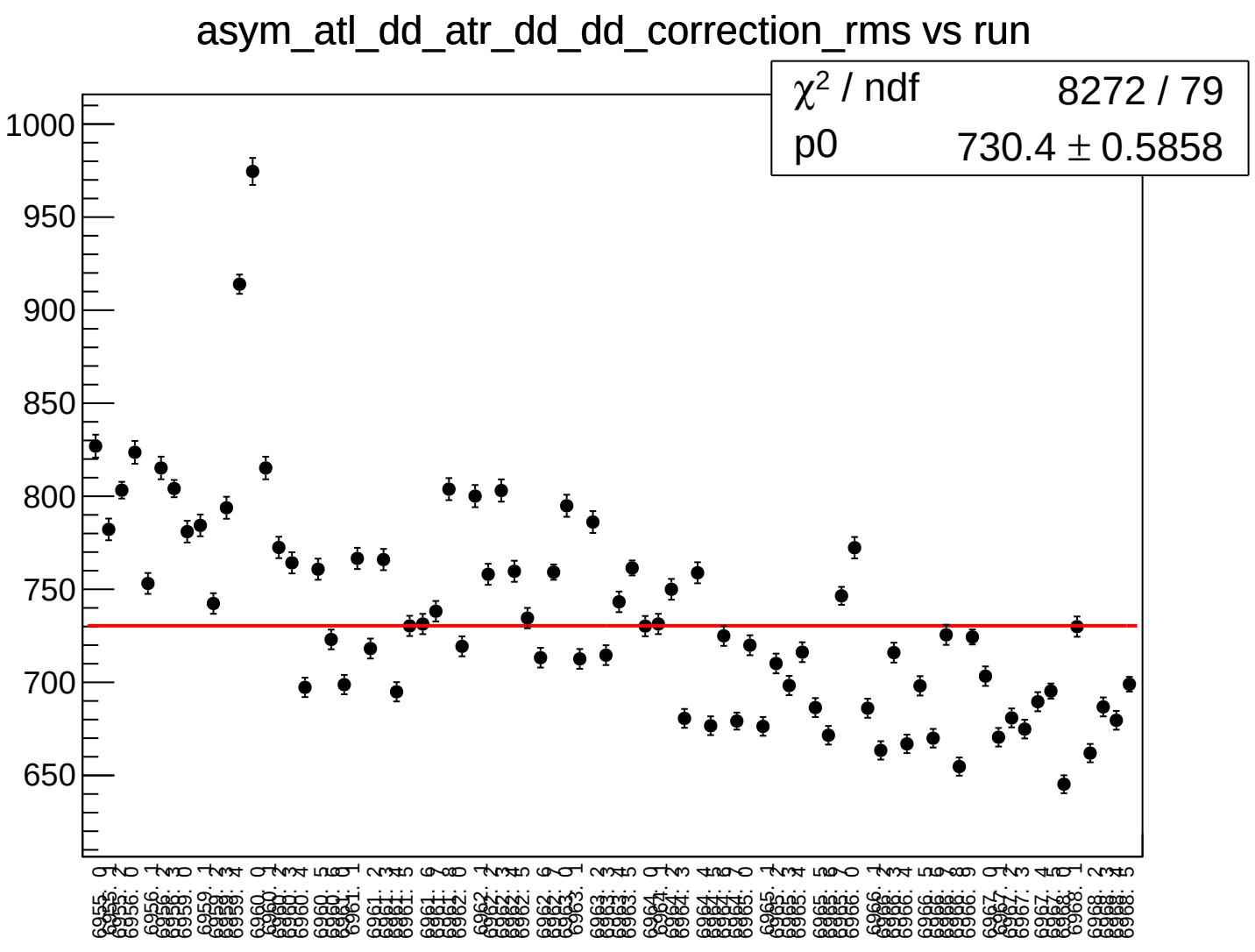

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.192e+04 / 79
p0 5812 ± 4.666
7000
6500
6000
5500
5000

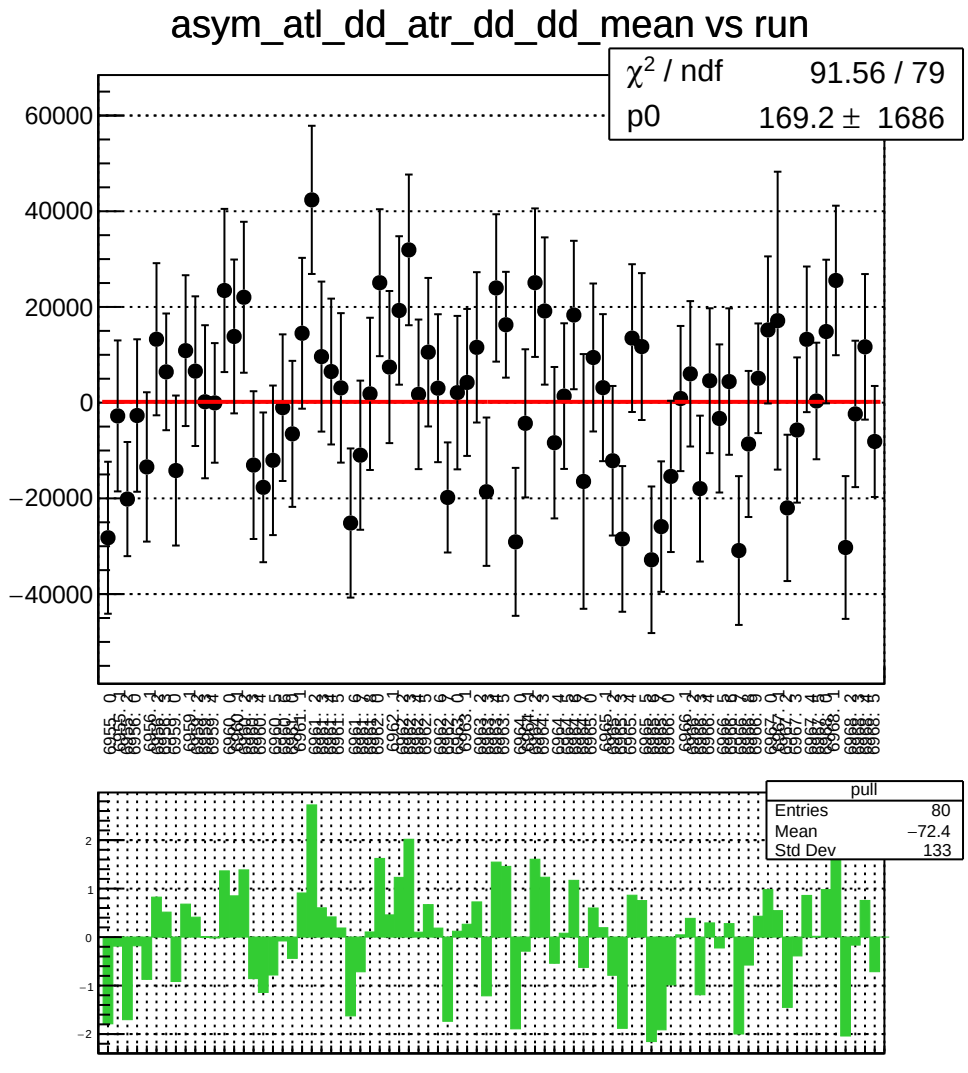

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 87.06 / 79
p0 546.4 ± 1460
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −46.49
Std Dev 112.1
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.01218
Std Dev 1.043
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

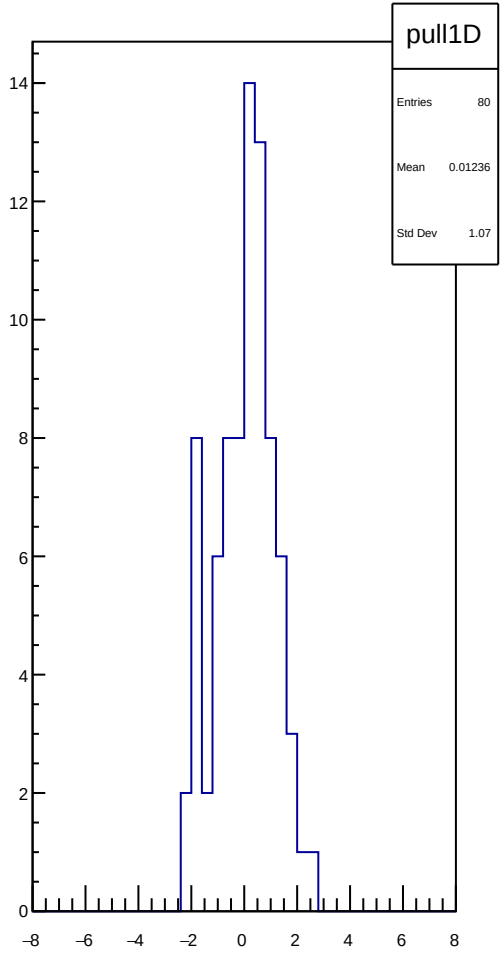

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.173e+04 / 79
p0 1286 ± 1.033
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

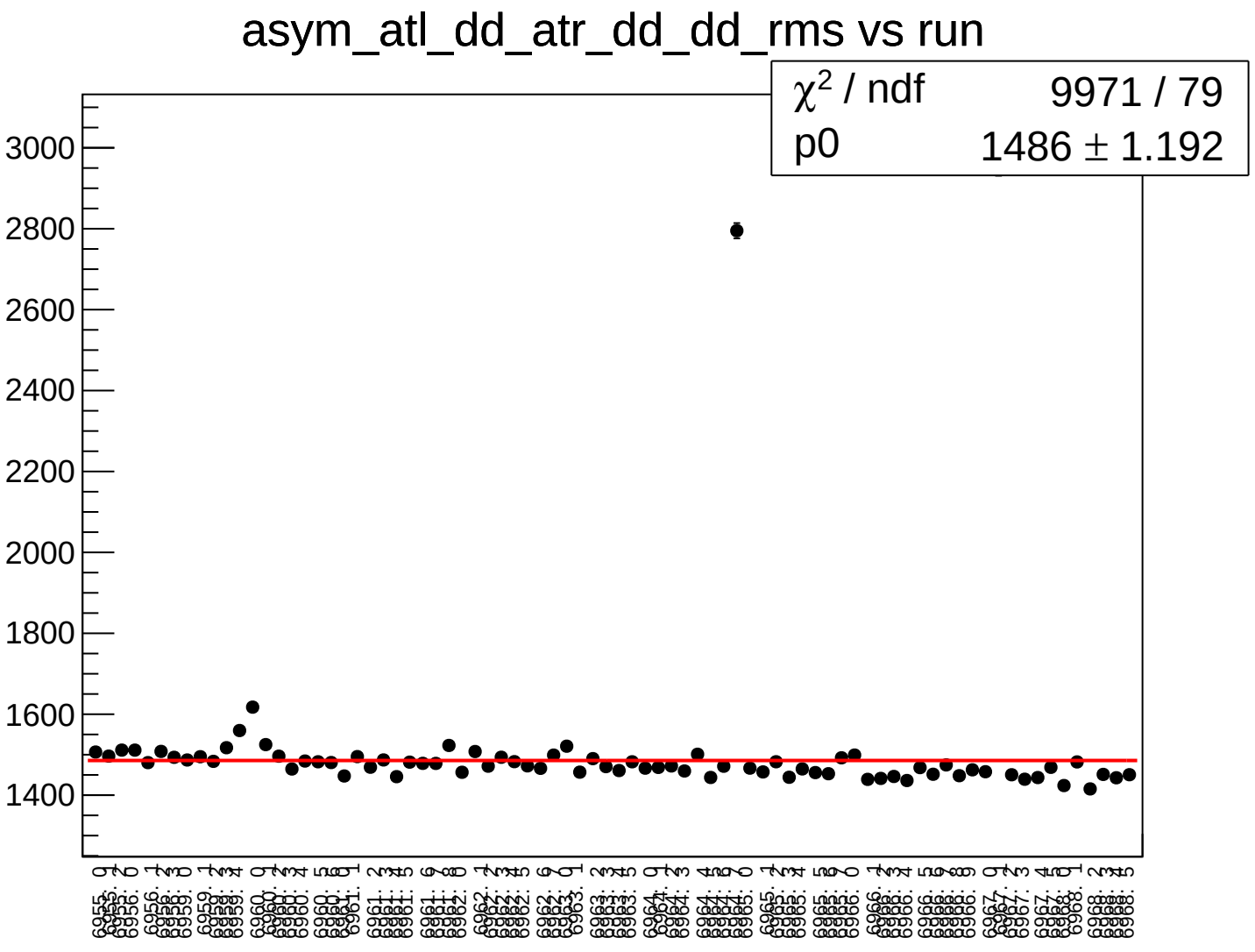

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.36 / 79
p0 409.7 ± 828.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −113.3
Std Dev 165.3
2
1
0
−1
−2
−3

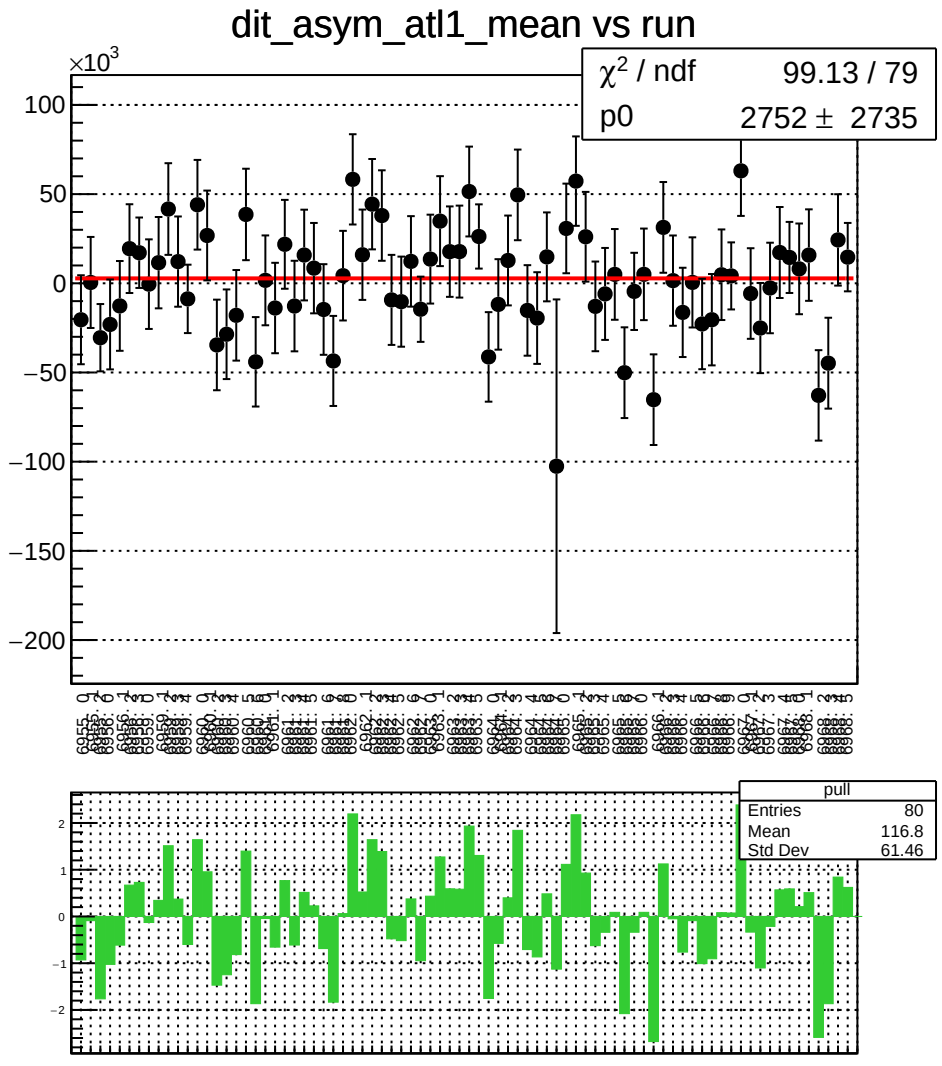

pull1D
Entries 80
Mean −0.005414
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

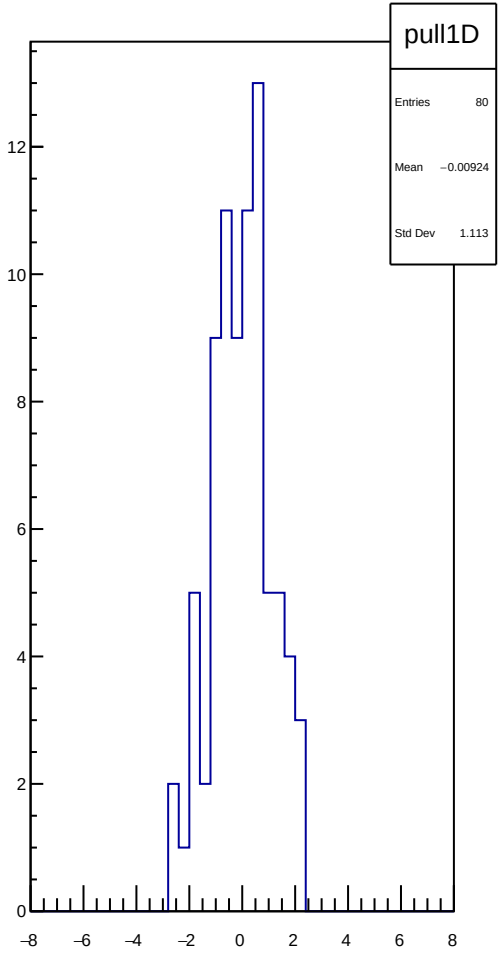

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 8272 / 79
p0 730.4 ± 0.5858
1000
950
900
850
800
750
700
650

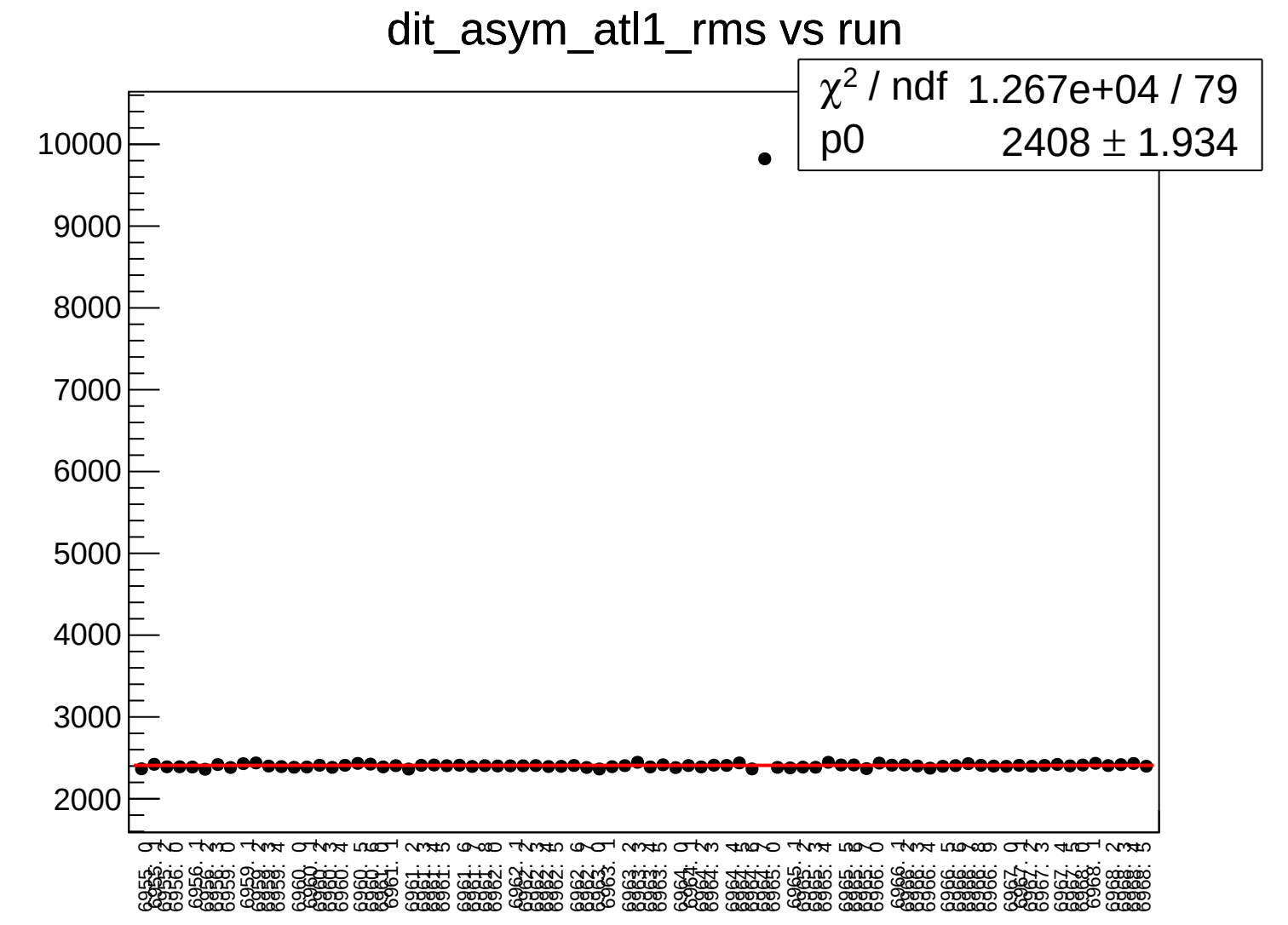

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.56 / 79
p0 169.2 ± 1686
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −72.4
Std Dev 133
2
1
0
−1
−2

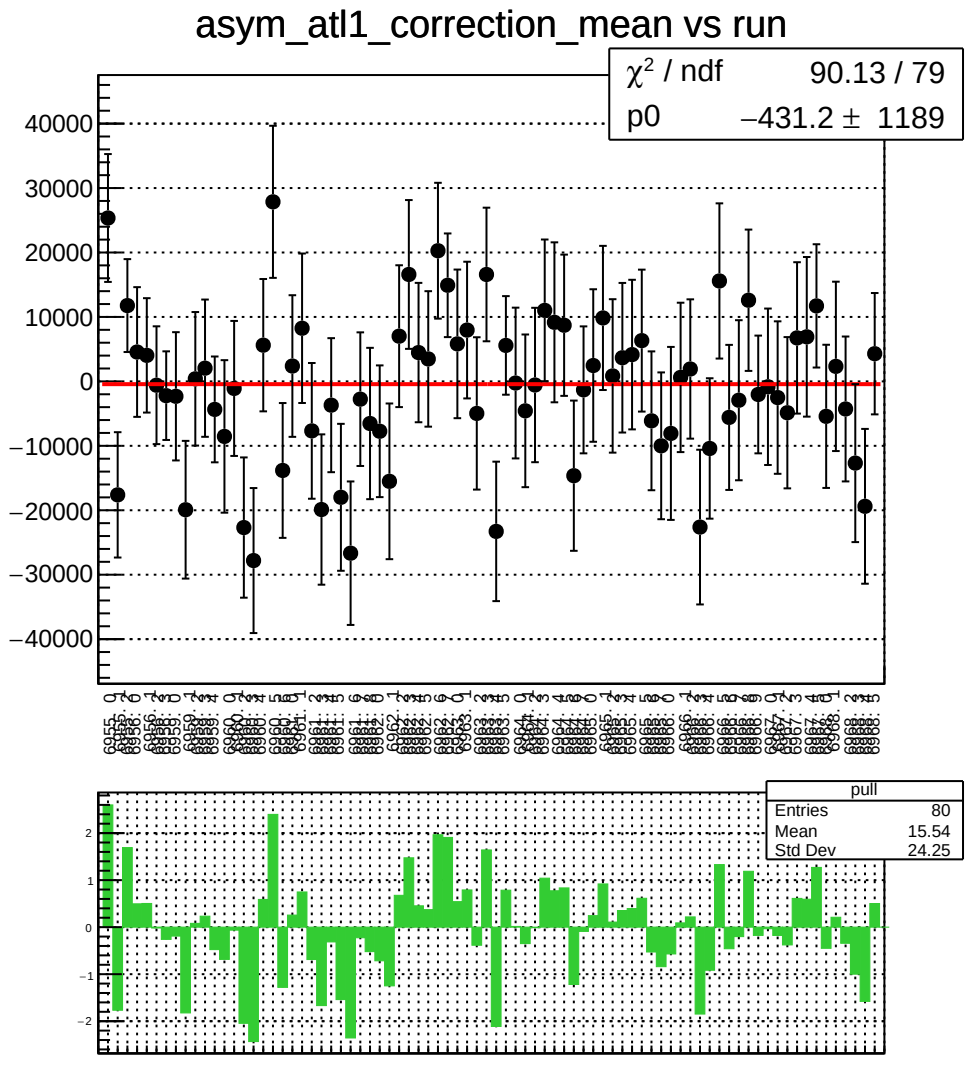

pull1D
Entries 80
Mean 0.01236
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

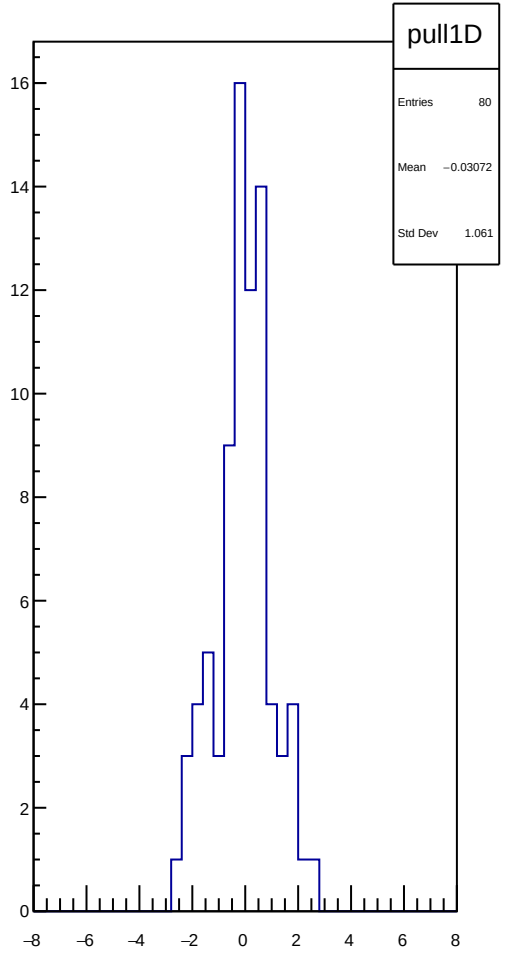

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 9971 / 79
p0 1486 ± 1.192
3000
2800
2600
2400
2200
2000
1800
1600
1400

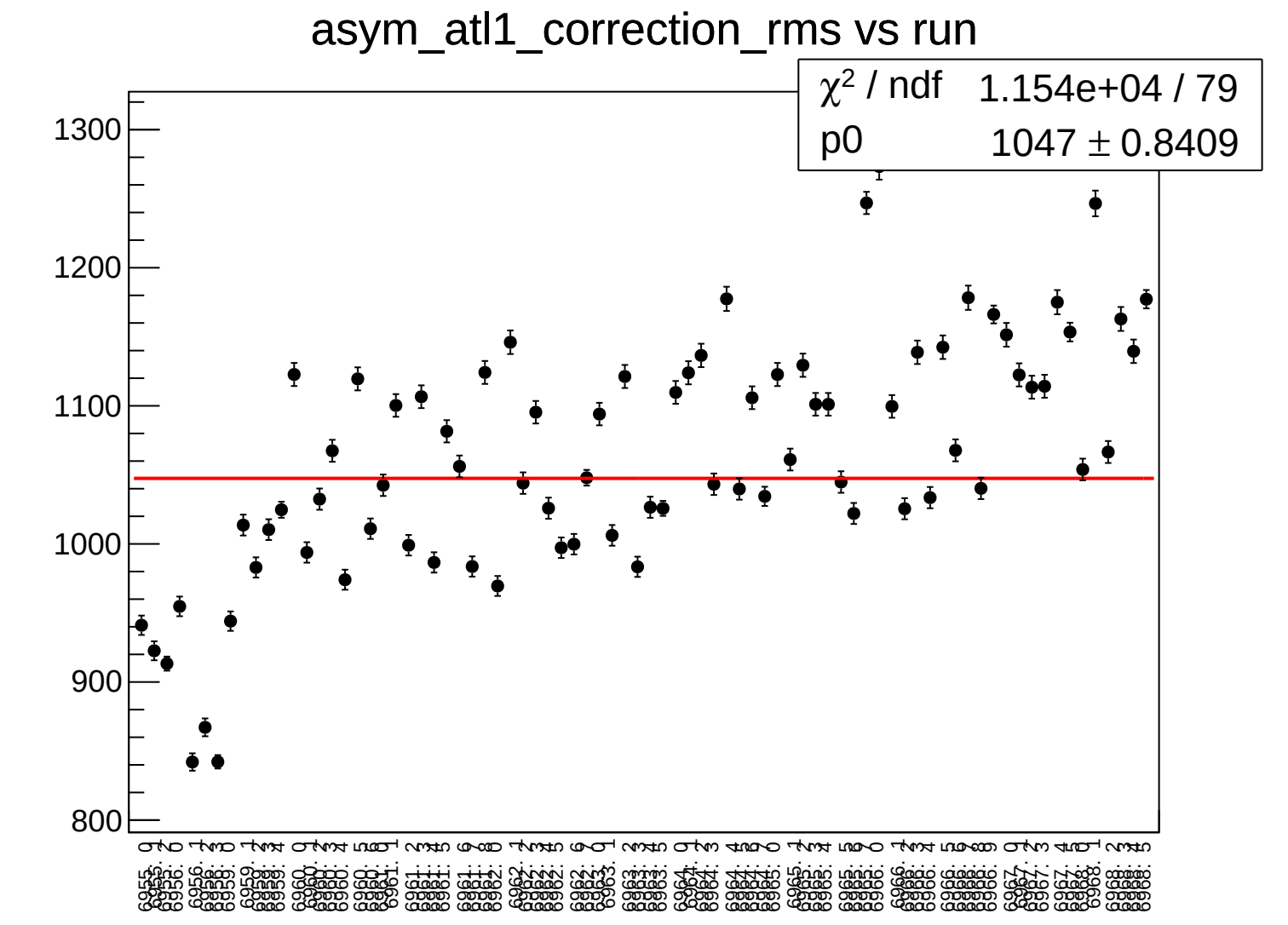

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 99.13 / 79
p0 2752 ± 2735
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 116.8
Std Dev 61.46
2
1
0
−1
−2

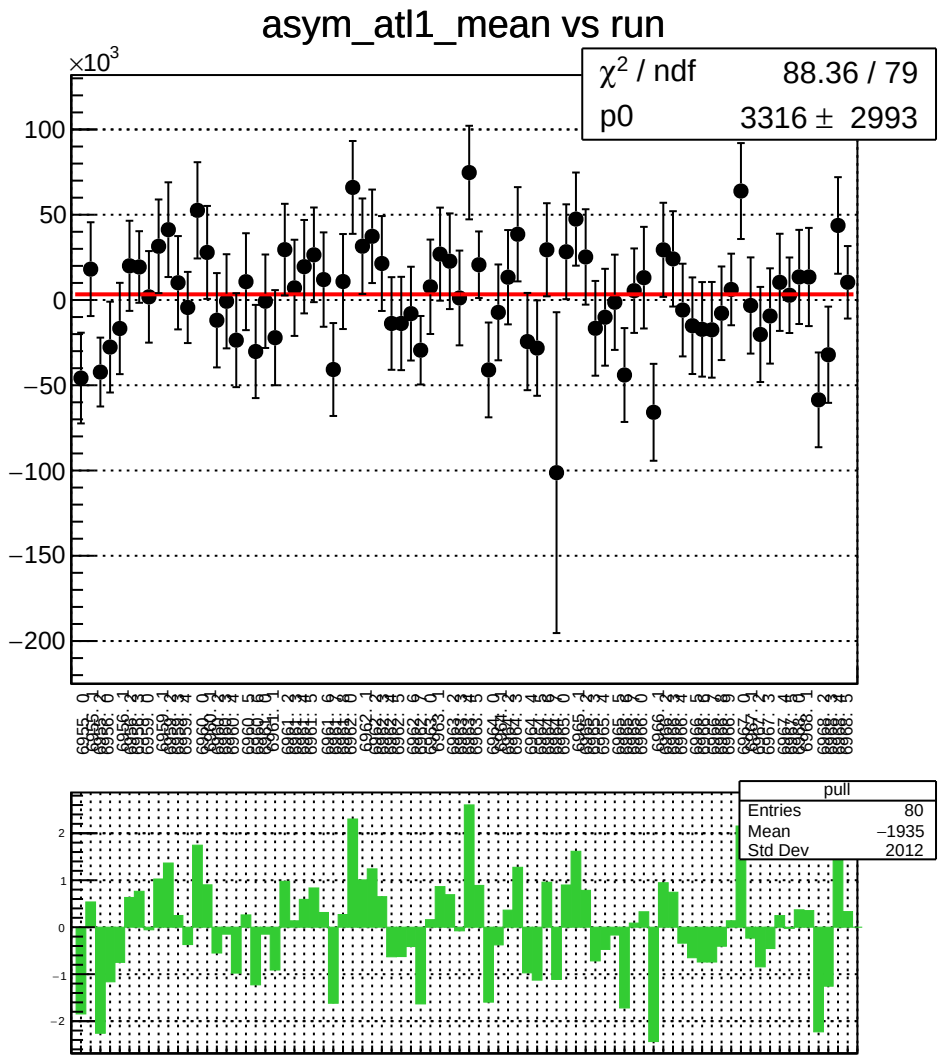

pull1D
Entries 80
Mean −0.00924
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

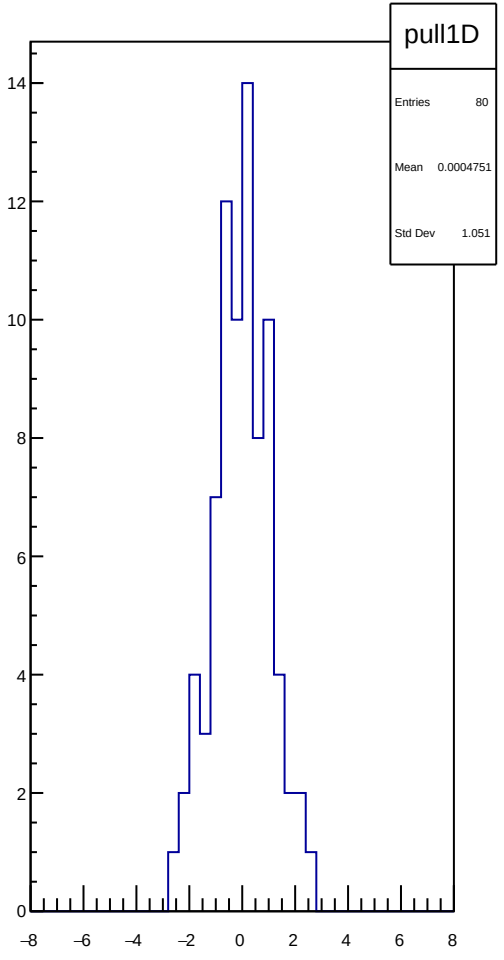

dit_asym_atl1_rms vs run
χ^2 / ndf 1.267e+04 / 79
p0 2408 ± 1.934
10000
9000
8000
7000
6000
5000
4000
3000
2000

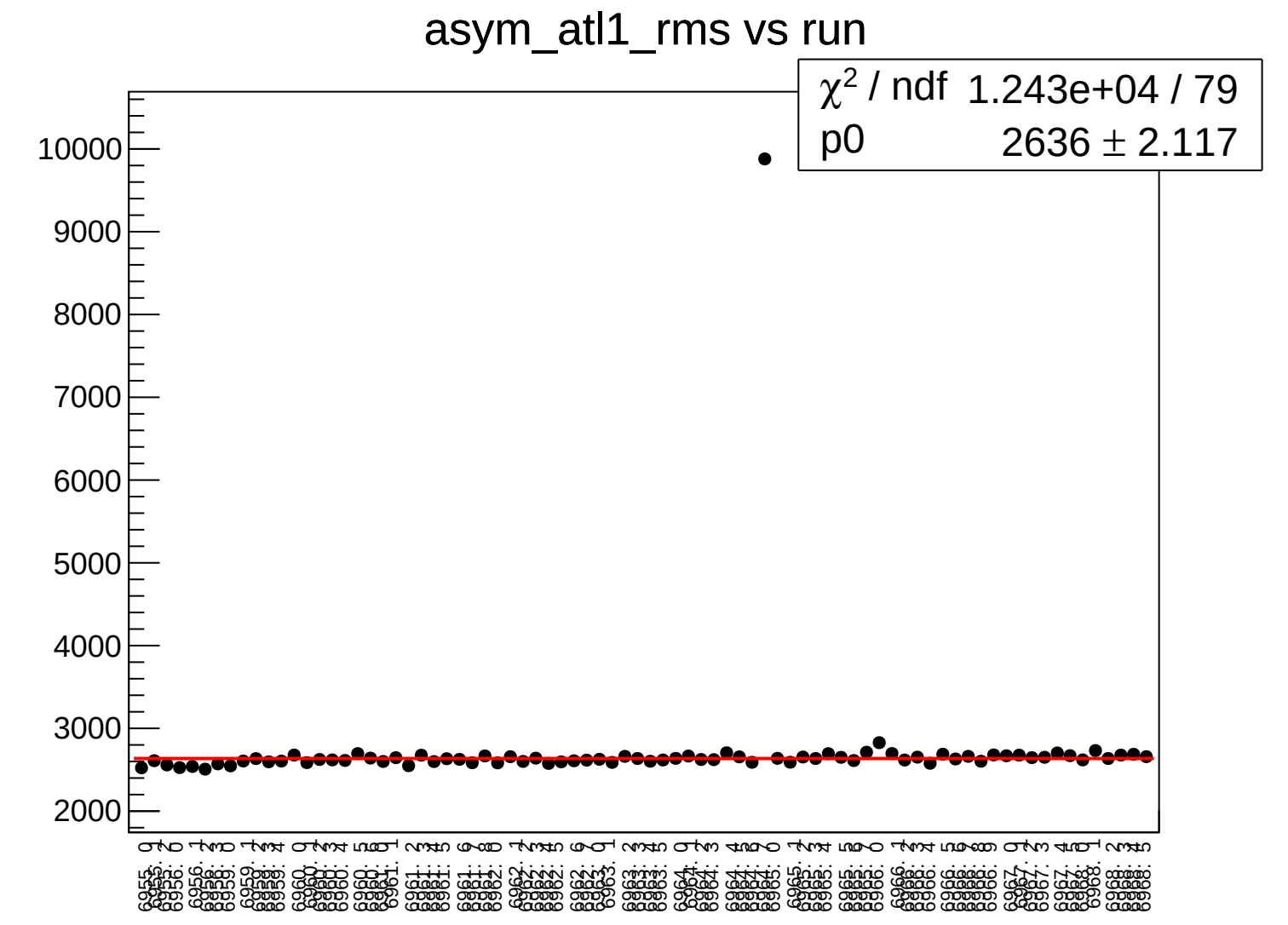

asym_atl1_correction_mean vs run
χ² / ndf 90.13 / 79
p0 −431.2 ± 1189
pull
Entries 80
Mean 15.54
Std Dev 24.25

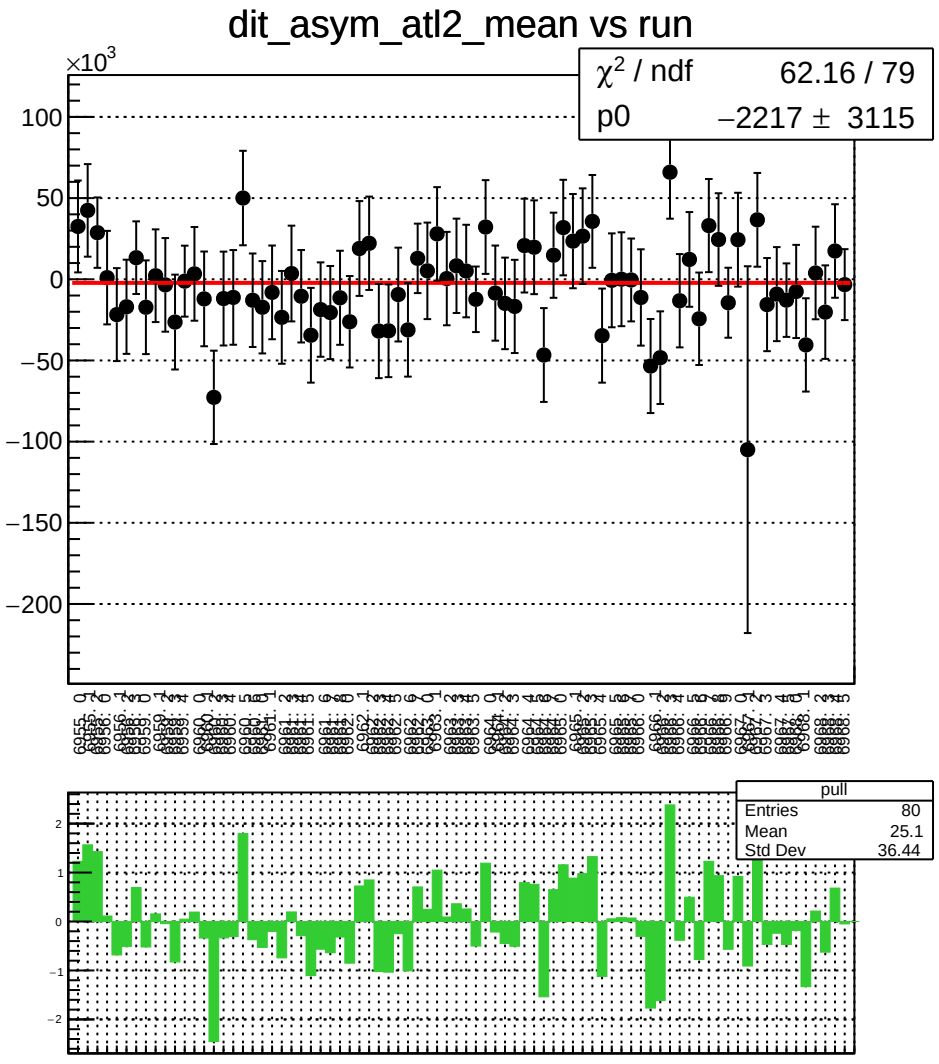

pull1D
Entries 80
Mean −0.03072
Std Dev 1.061

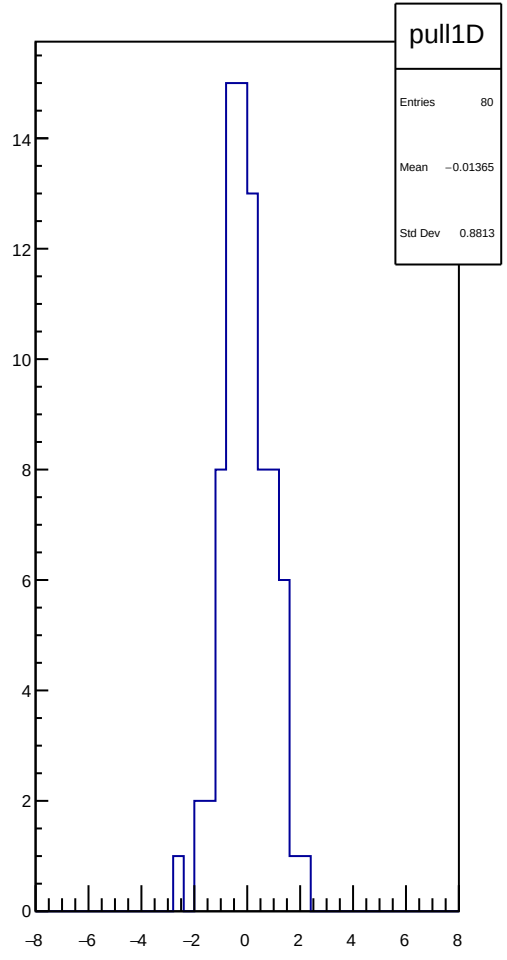

asym_atl1_correction_rms vs run
χ² / ndf 1.154e+04 / 79
p0 1047 ± 0.8409
1300
1200
1100
1000
900
800

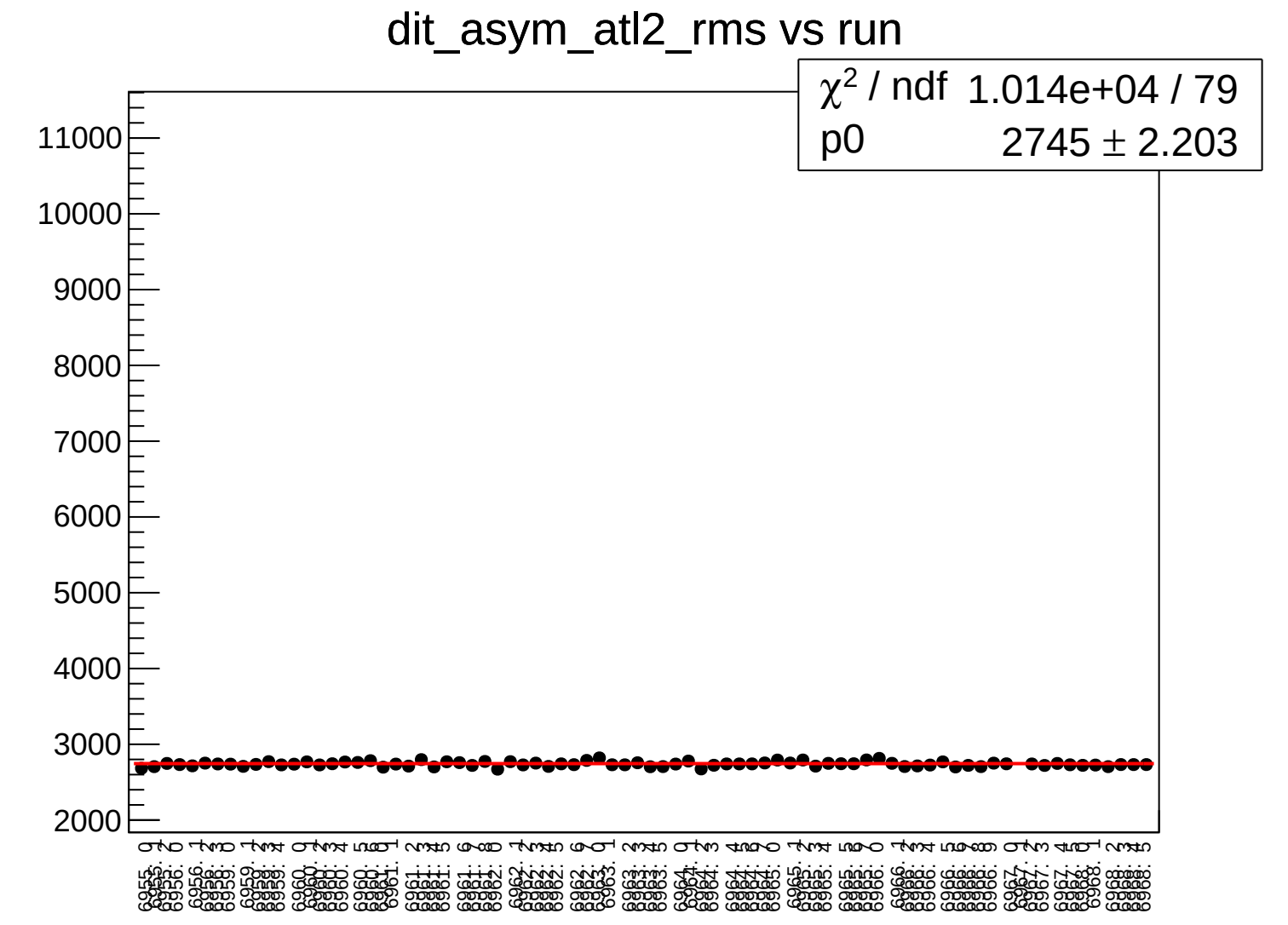

asym_atl1_mean vs run
×10^3
χ² / ndf 88.36 / 79
p0 3316 ± 2993
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −1935
Std Dev 2012
2
1
0
−1
−2

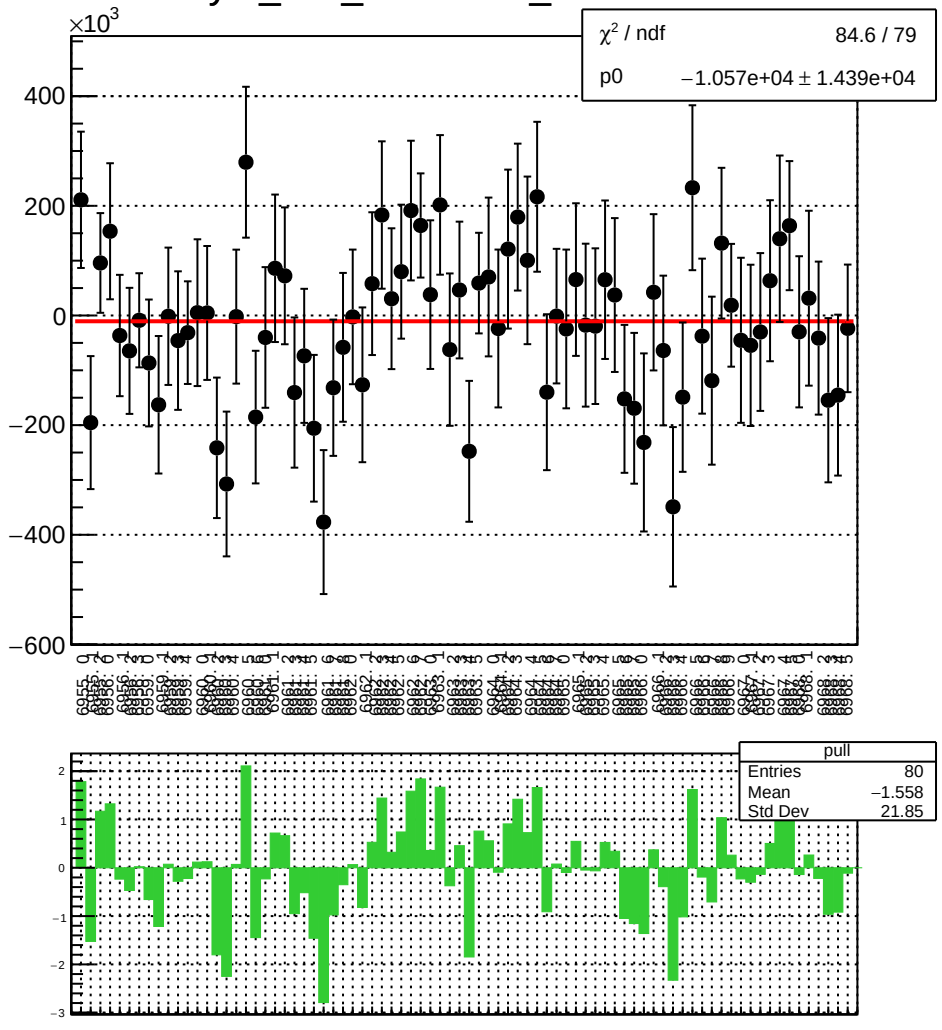

pull1D
Entries 80
Mean 0.0004751
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

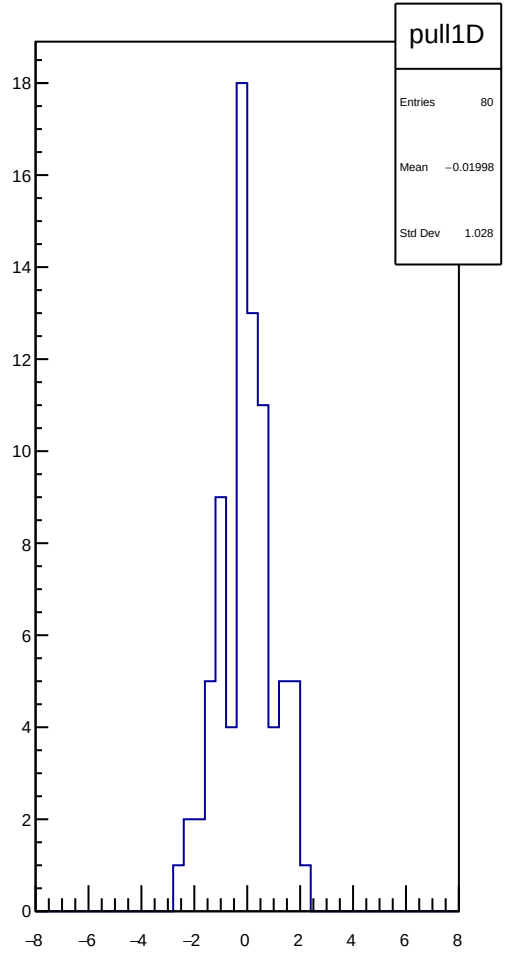

asym_atl1_rms vs run
χ^2 / ndf 1.243e+04 / 79
p0 2636 ± 2.117
10000
9000
8000
7000
6000
5000
4000
3000
2000

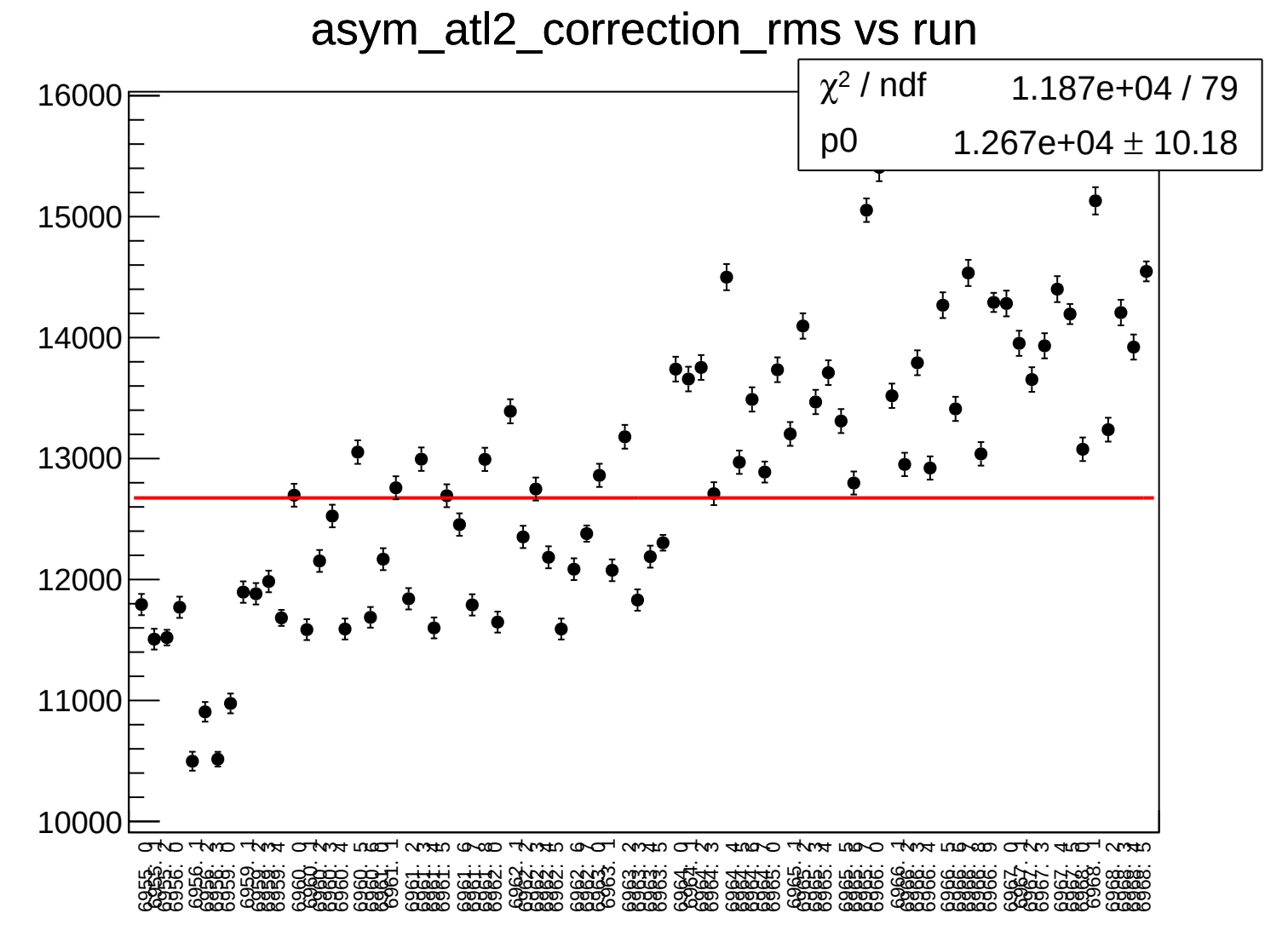

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 62.16 / 79
p0 −2217 ± 3115
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 25.1
Std Dev 36.44
2
1
0
−1
−2

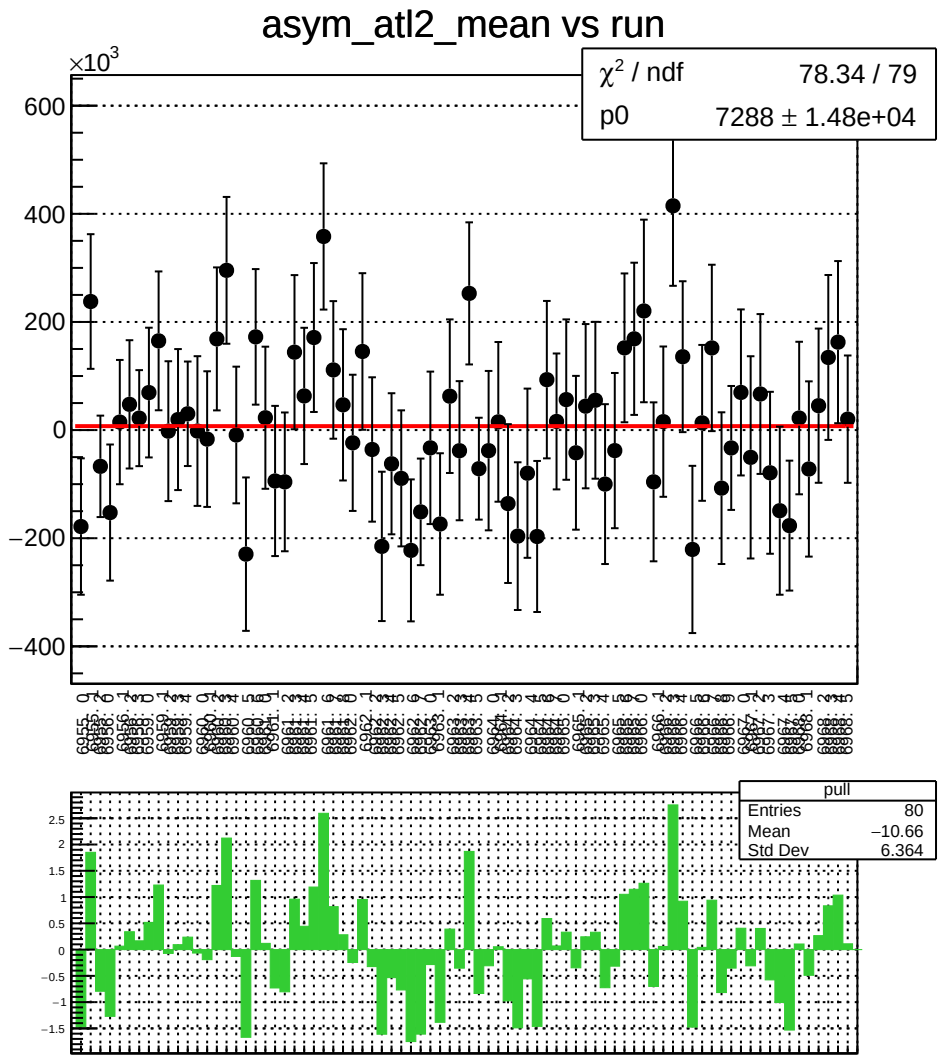

pull1D
Entries 80
Mean −0.01365
Std Dev 0.8813
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

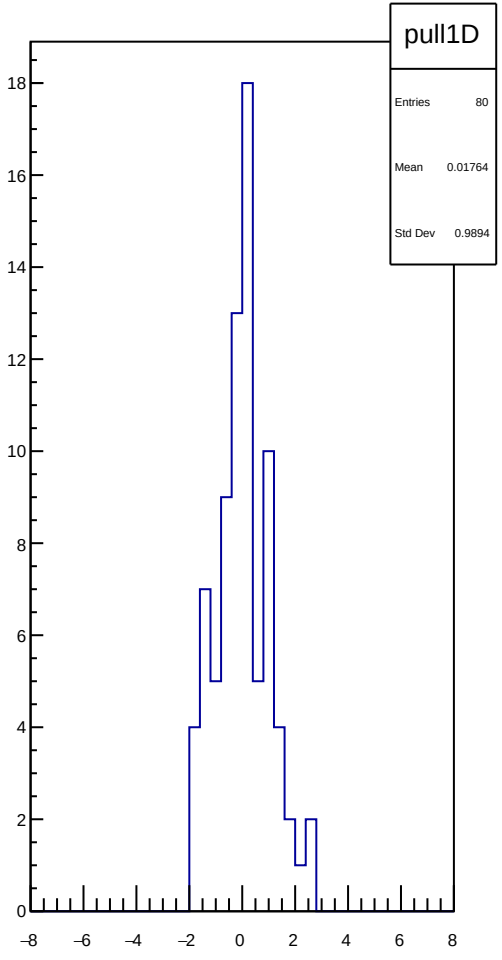

dit_asym_atl2_rms vs run
χ^2 / ndf 1.014e+04 / 79
p0 2745 ± 2.203
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

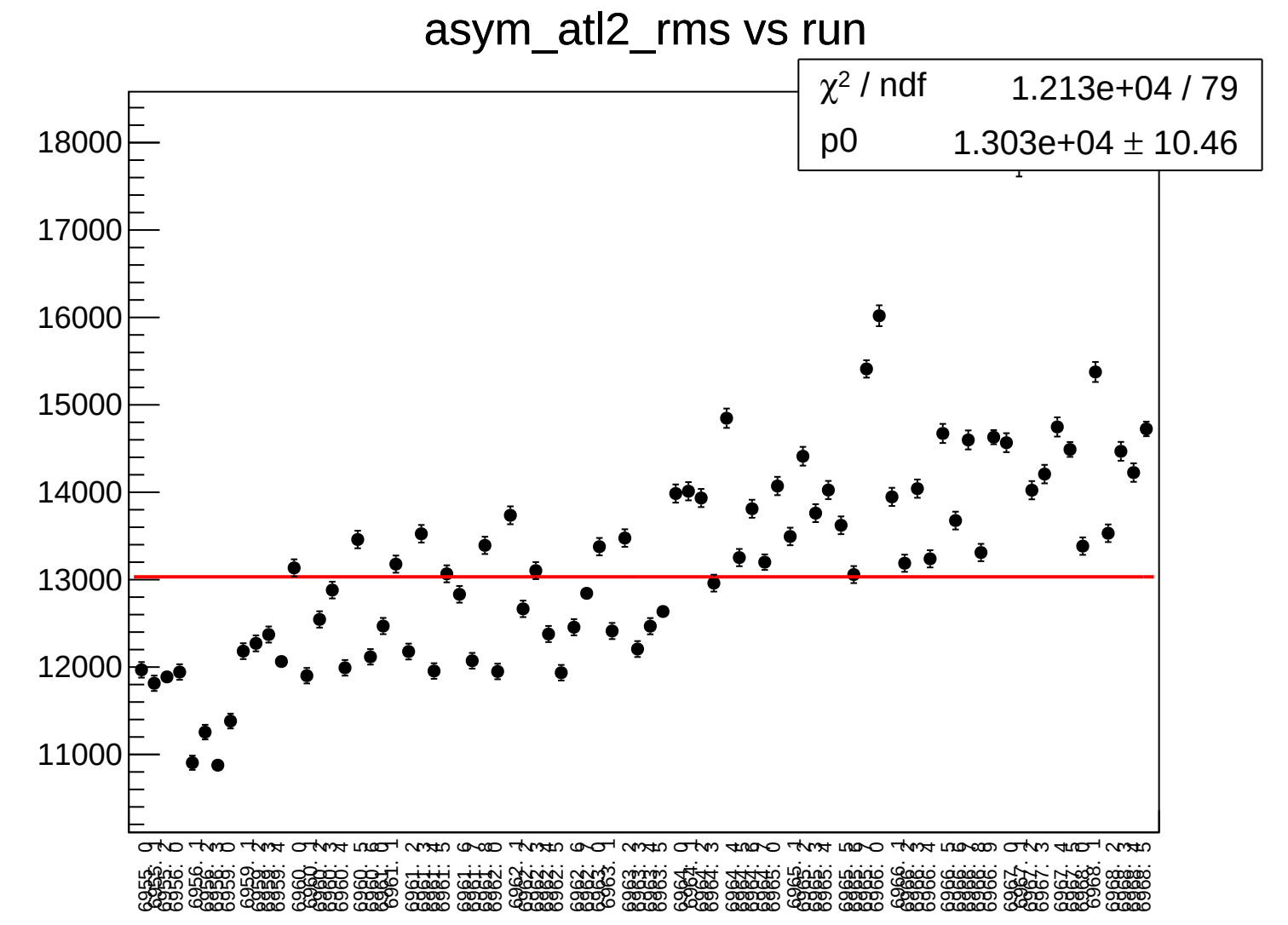

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 84.6 / 79
p0 −1.057e+04 ± 1.439e+04
pull
Entries 80
Mean −1.558
Std Dev 21.85

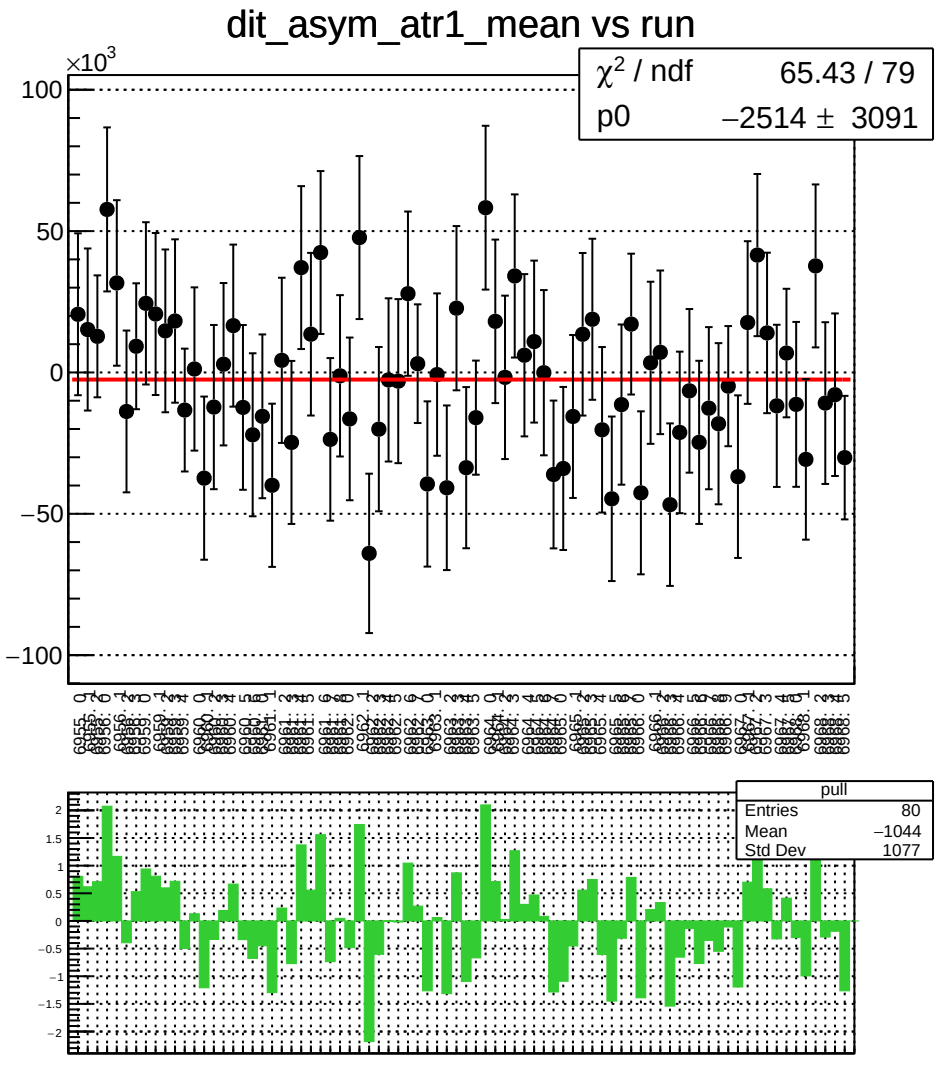

pull1D
Entries 80
Mean −0.01998
Std Dev 1.028

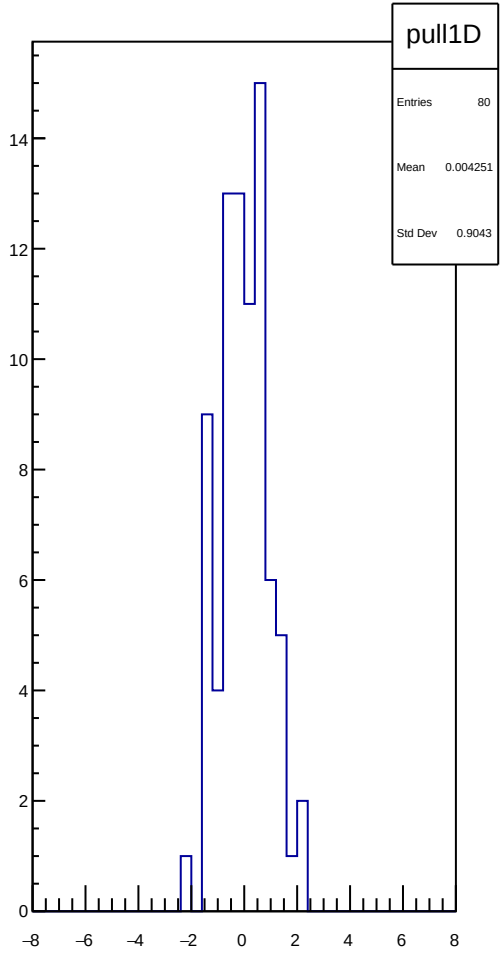

asym_atl2_correction_rms vs run
χ² / ndf 1.187e+04 / 79
p0 1.267e+04 ± 10.18
16000
15000
14000
13000
12000
11000
10000

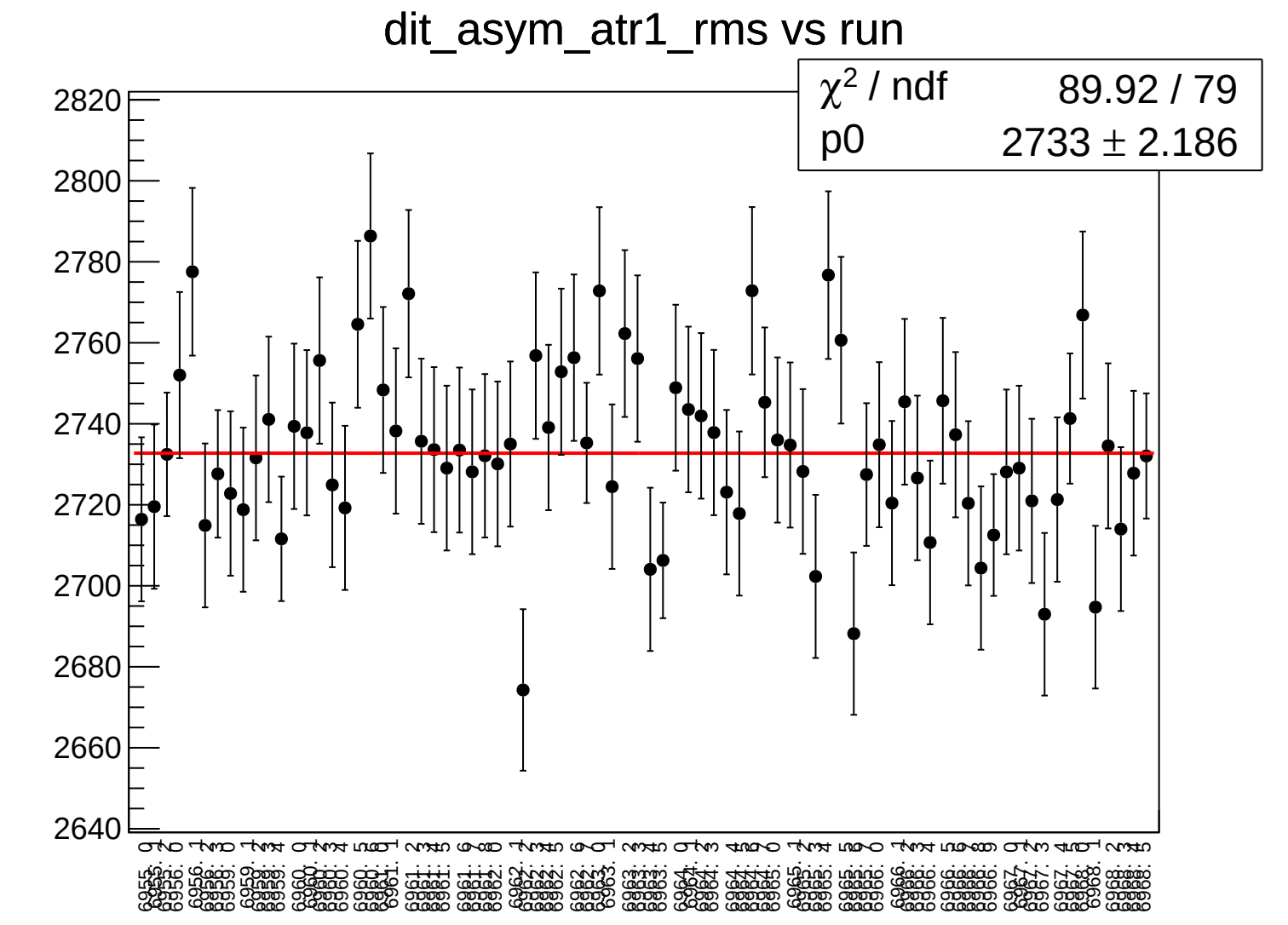

asym_atl2_mean vs run
×10^3
χ² / ndf 78.34 / 79
p0 7288 ± 1.48e+04
600
400
200
0
−200
−400
pull
Entries 80
Mean −10.66
Std Dev 6.364
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

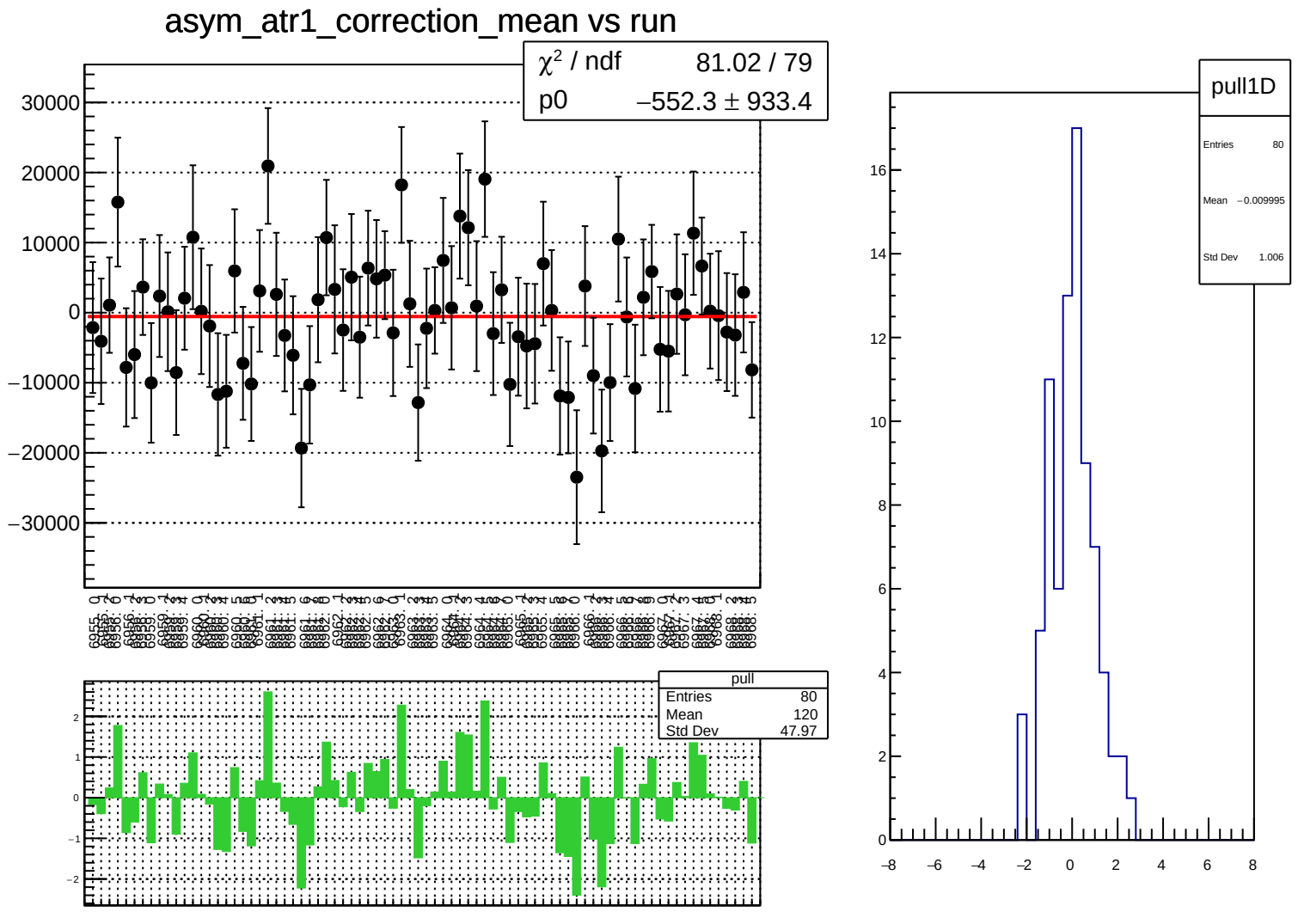

pull1D
Entries 80
Mean 0.01764
Std Dev 0.9894
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

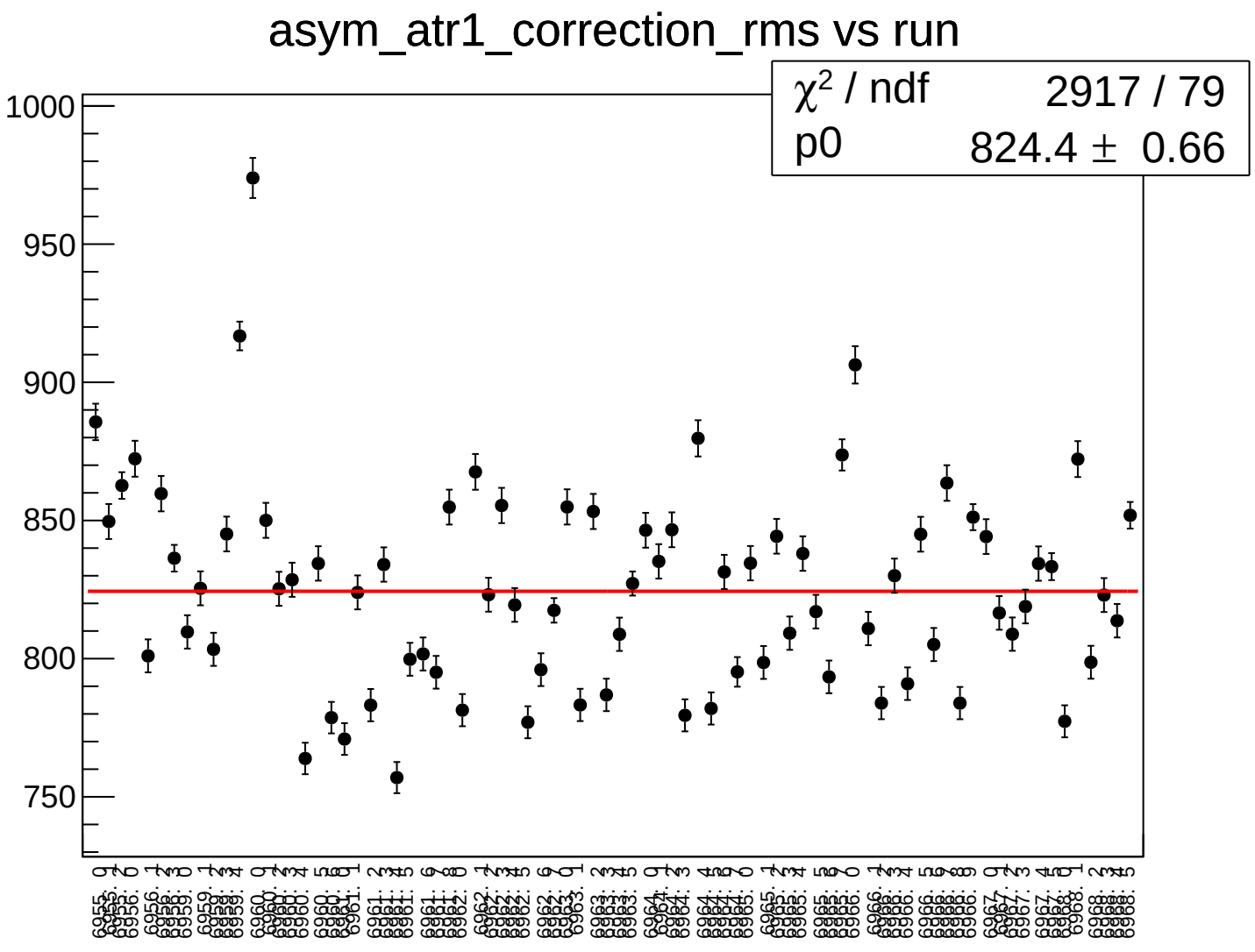

asym_atl2_rms vs run
χ² / ndf 1.213e+04 / 79
p0 1.303e+04 ± 10.46
18000
17000
16000
15000
14000
13000
12000
11000

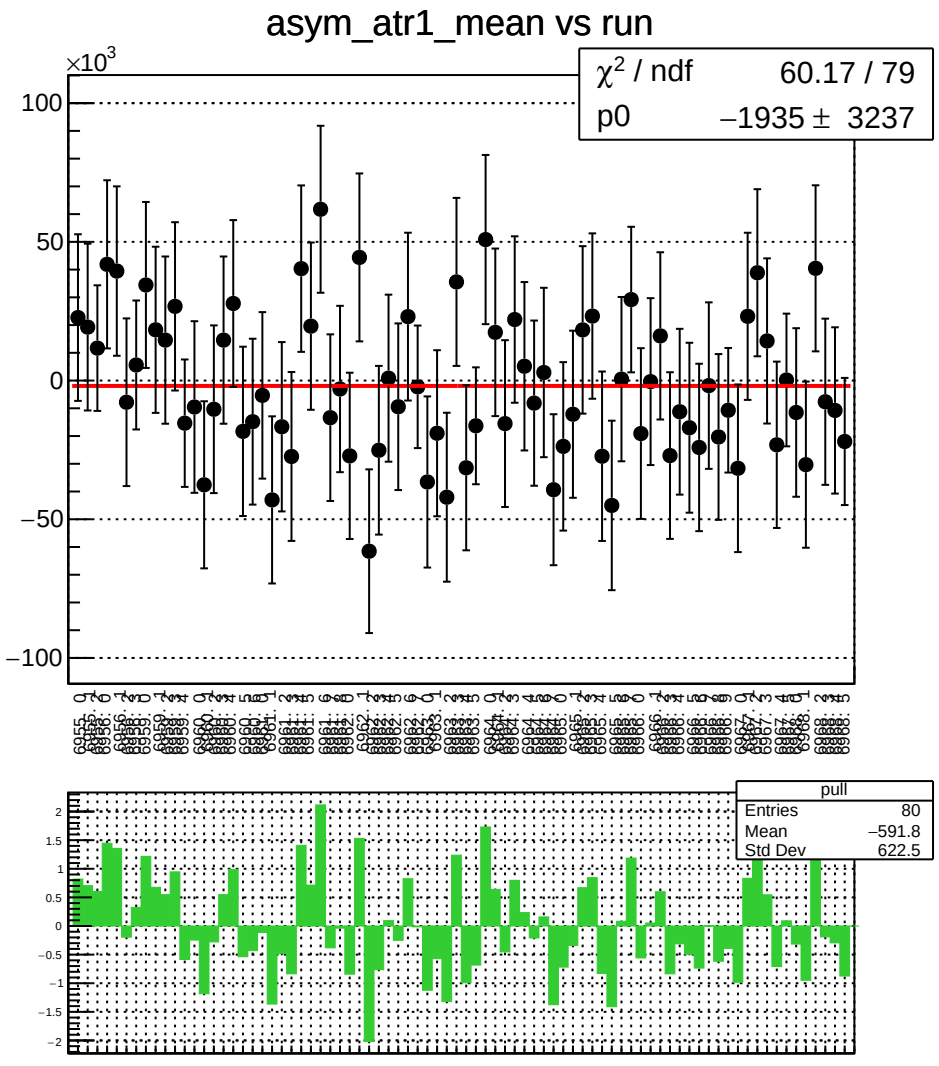

dit_asym_atr1_mean vs run
χ² / ndf 65.43 / 79
p0 −2514 ± 3091
×10³
pull
Entries 80
Mean −1044
Std Dev 1077

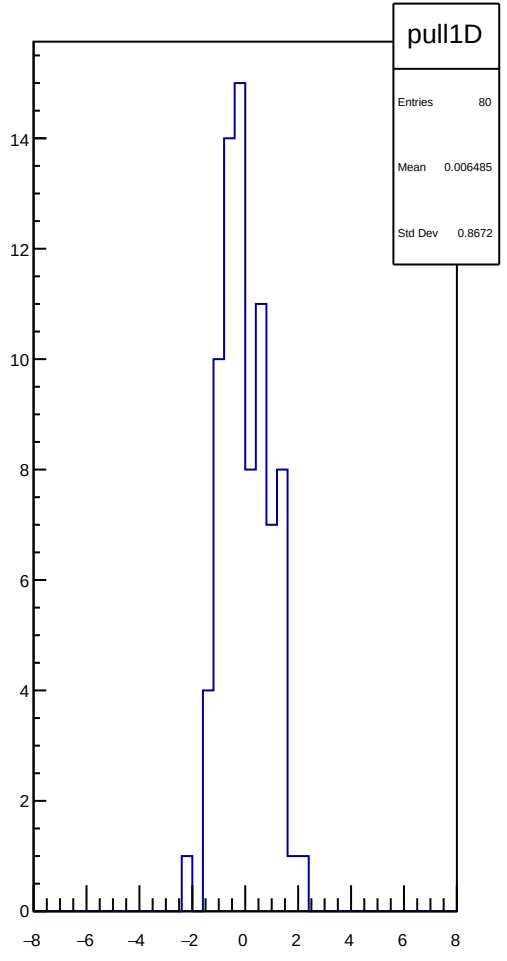

pull1D
Entries 80
Mean 0.004251
Std Dev 0.9043

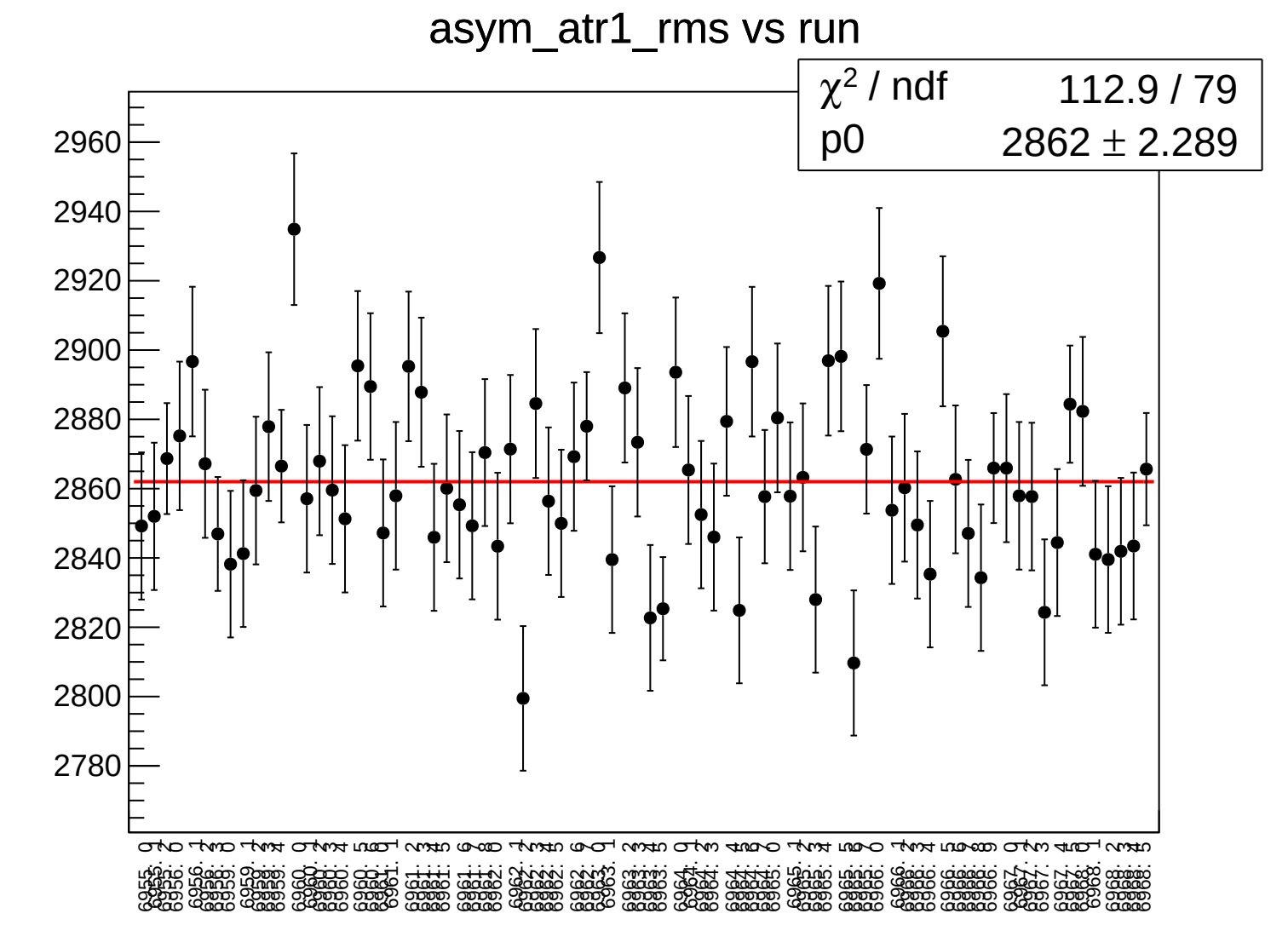

dit_asym_atr1_rms vs run
χ^2 / ndf 89.92 / 79
p0 2733 ± 2.186
2820
2800
2780
2760
2740
2720
2700
2680
2660
2640

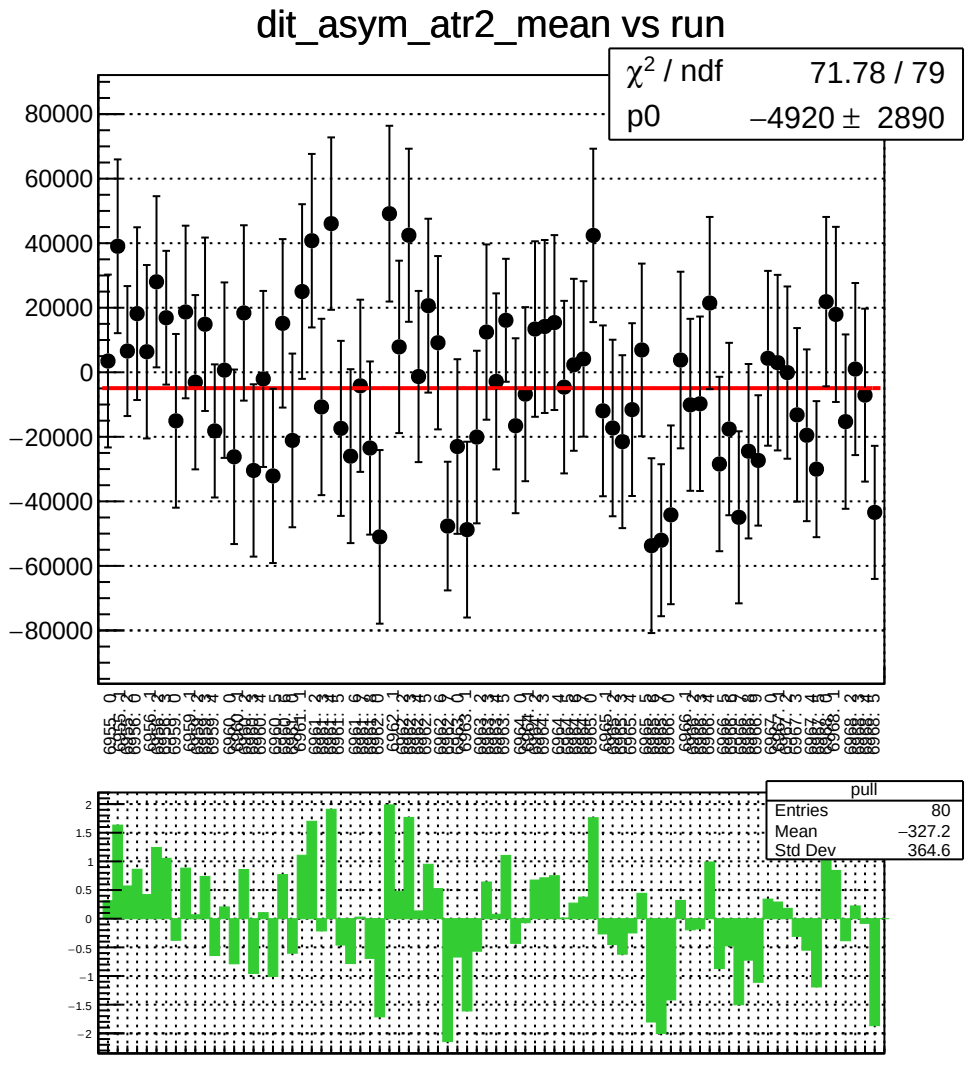

asym_atr1_correction_mean vs run
χ² / ndf 81.02 / 79
p0 −552.3 ± 933.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 120
Std Dev 47.97
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.009995
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

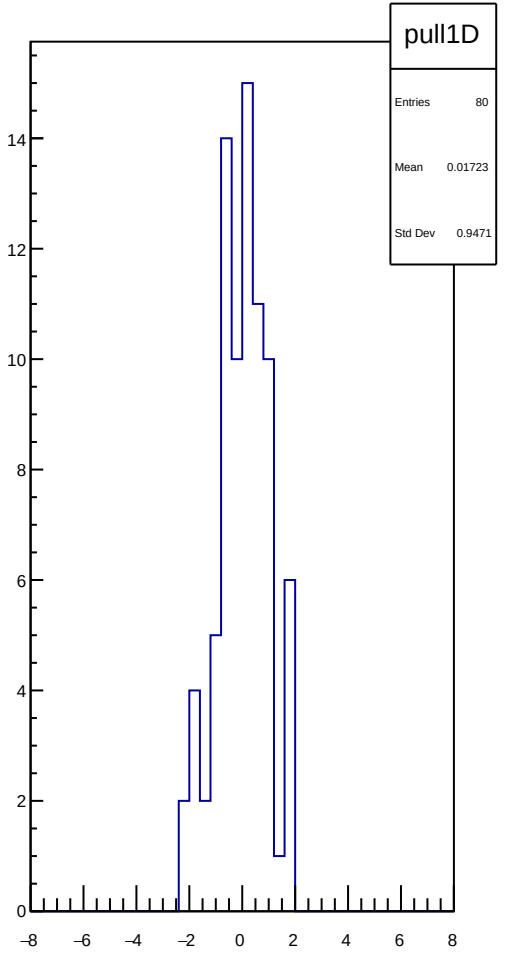

asym_atr1_correction_rms vs run
χ² / ndf 2917 / 79
p0 824.4 ± 0.66
1000
950
900
850
800
750

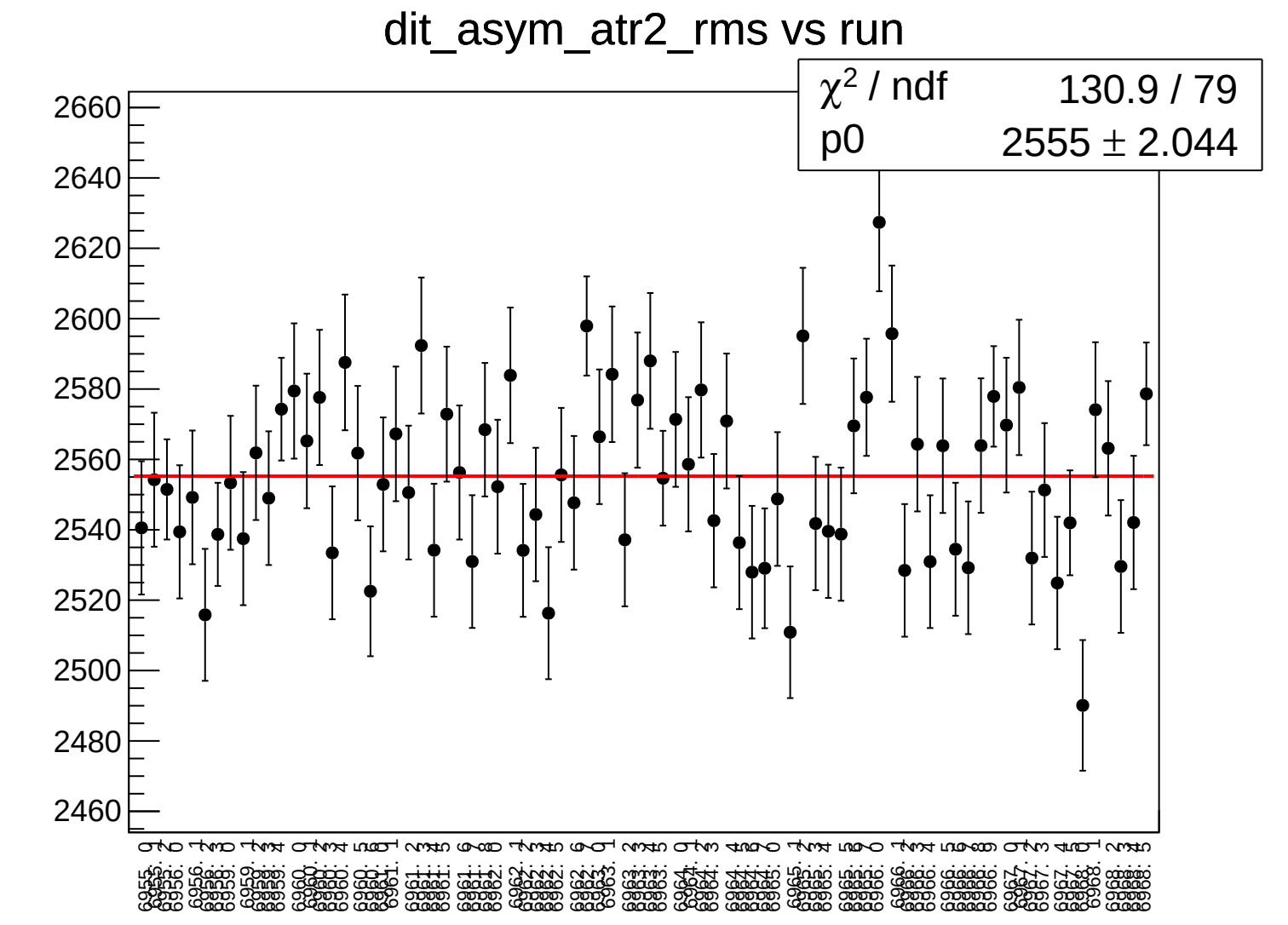

asym_atr1_mean vs run
×10^3
χ² / ndf 60.17 / 79
p0 −1935 ± 3237
100
50
0
−50
−100
pull
Entries 80
Mean −591.8
Std Dev 622.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

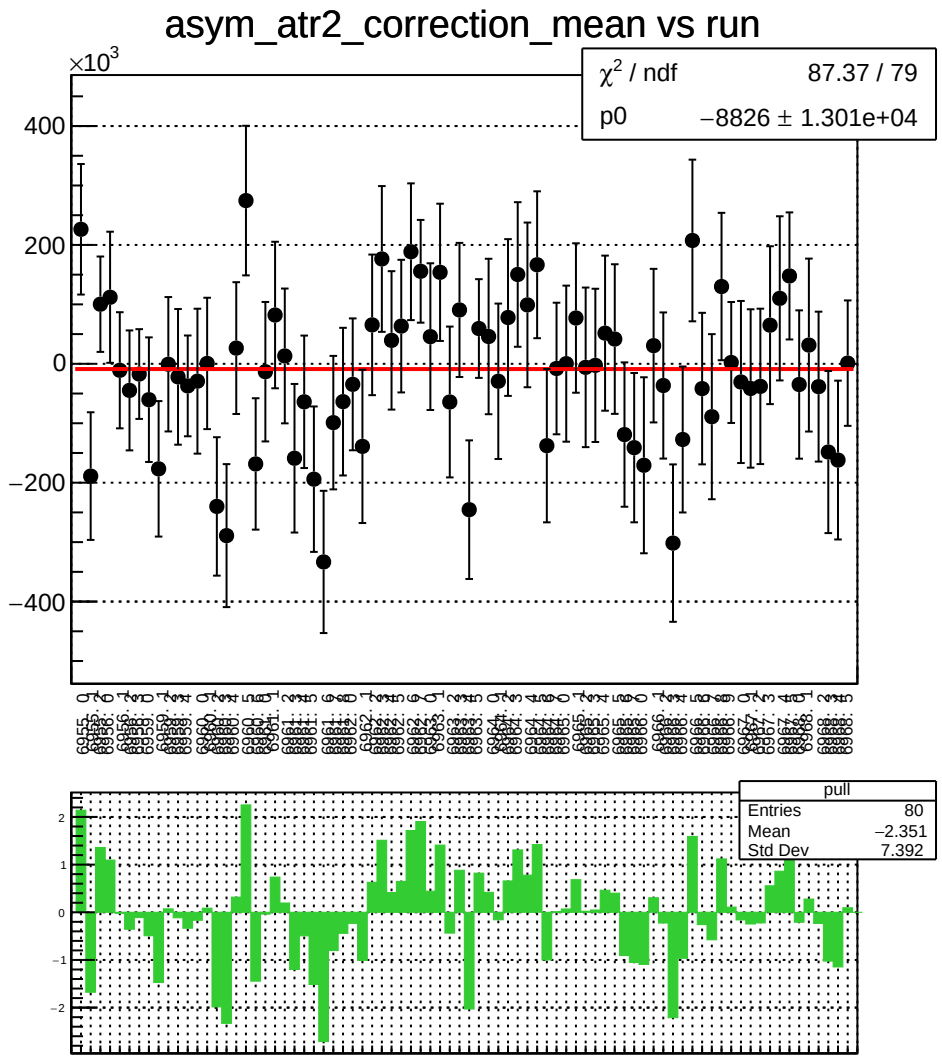

pull1D
Entries 80
Mean 0.006485
Std Dev 0.8672
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

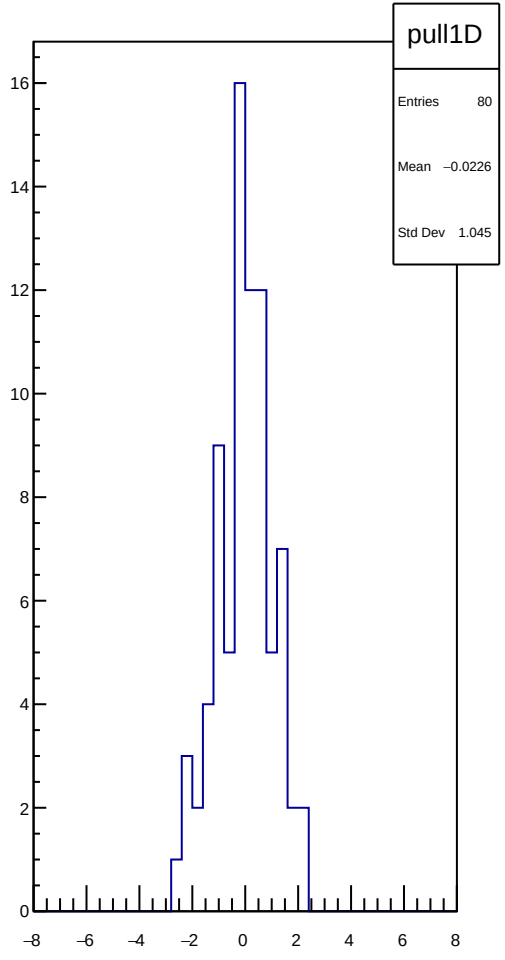

asym_atr1_rms vs run
χ^2 / ndf 112.9 / 79
p0 2862 ± 2.289
2960
2940
2920
2900
2880
2860
2840
2820
2800
2780

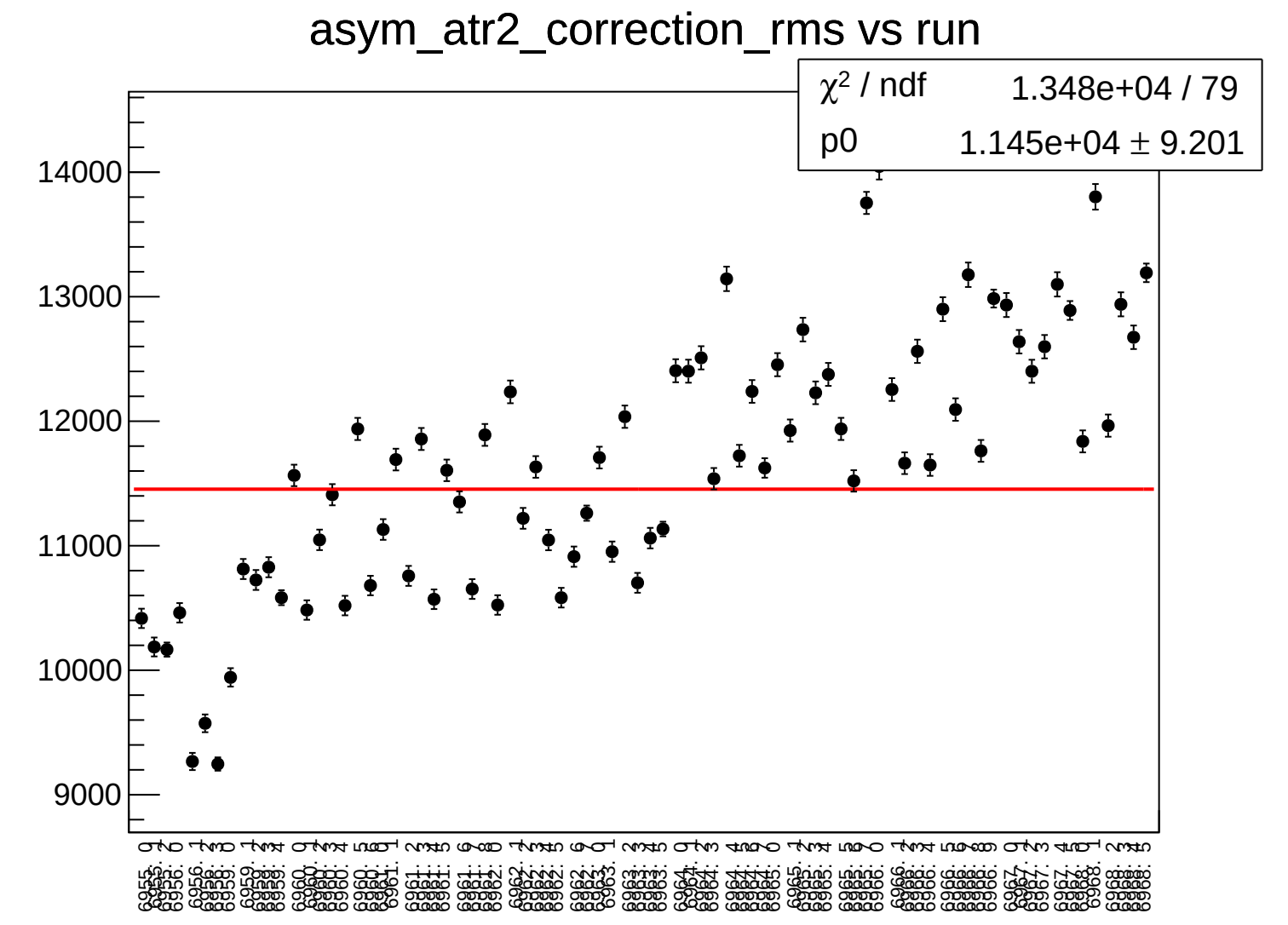

dit_asym_atr2_mean vs run
χ² / ndf 71.78 / 79
p0 −4920 ± 2890
pull
Entries 80
Mean −327.2
Std Dev 364.6

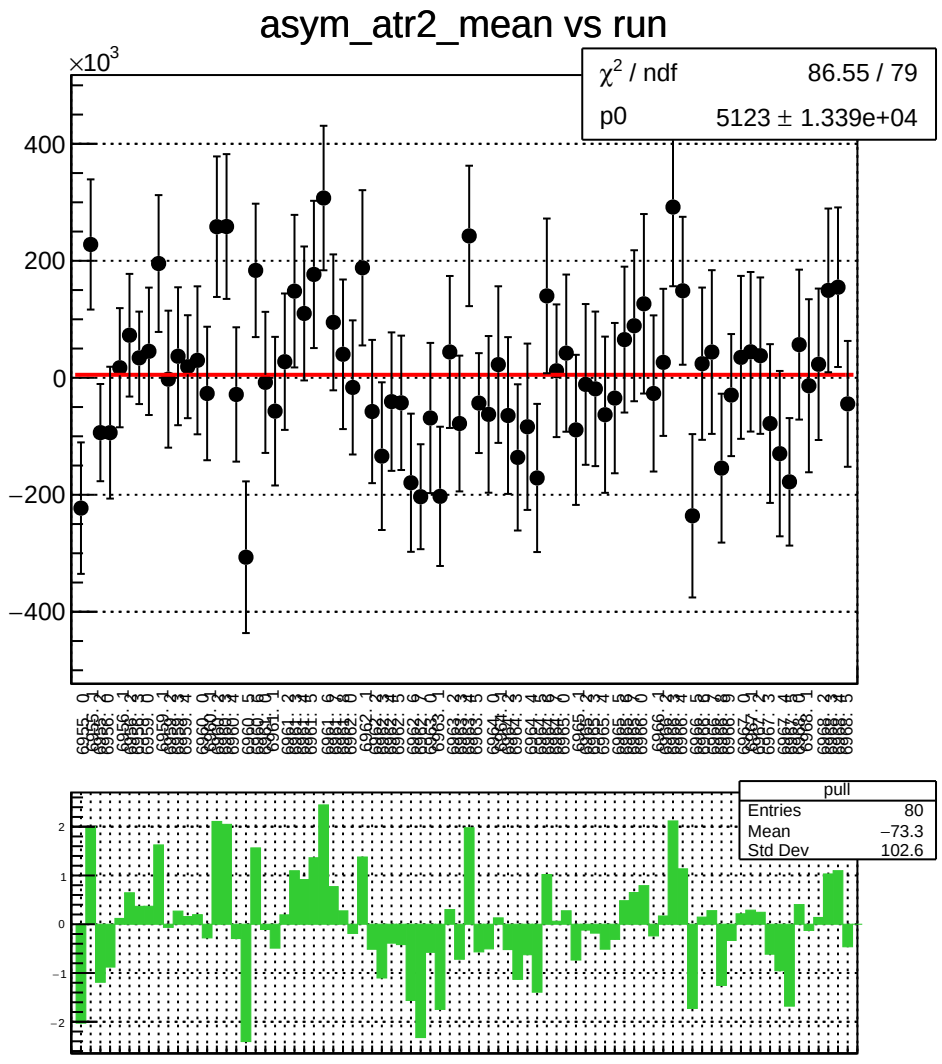

pull1D
Entries 80
Mean 0.01723
Std Dev 0.9471

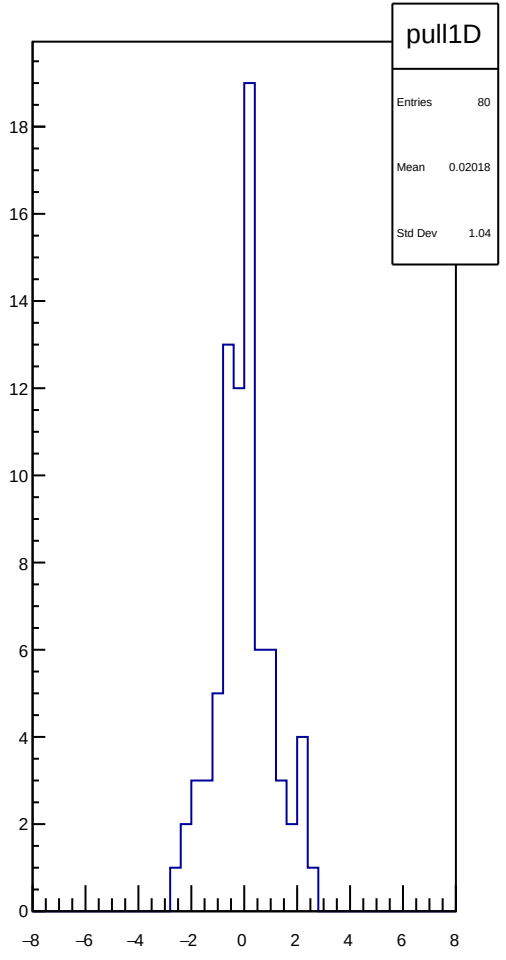

dit_asym_atr2_rms vs run
χ^2 / ndf 130.9 / 79
p0 2555 ± 2.044
2660
2640
2620
2600
2580
2560
2540
2520
2500
2480
2460

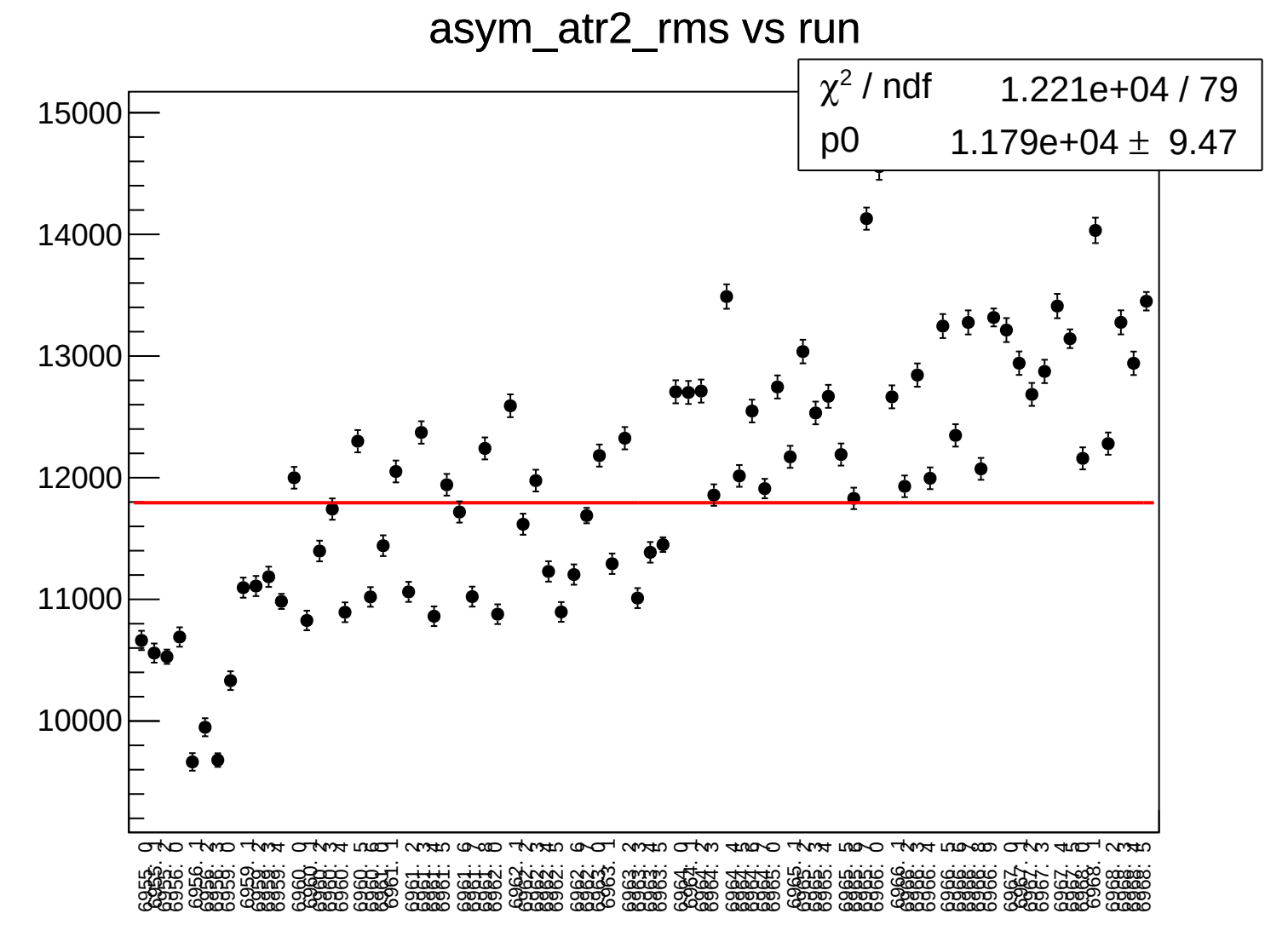

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 87.37 / 79
p0 −8826 ± 1.301e+04
400
200
0
−200
−400
pull
Entries 80
Mean −2.351
Std Dev 7.392
2
1
0
−1
−2

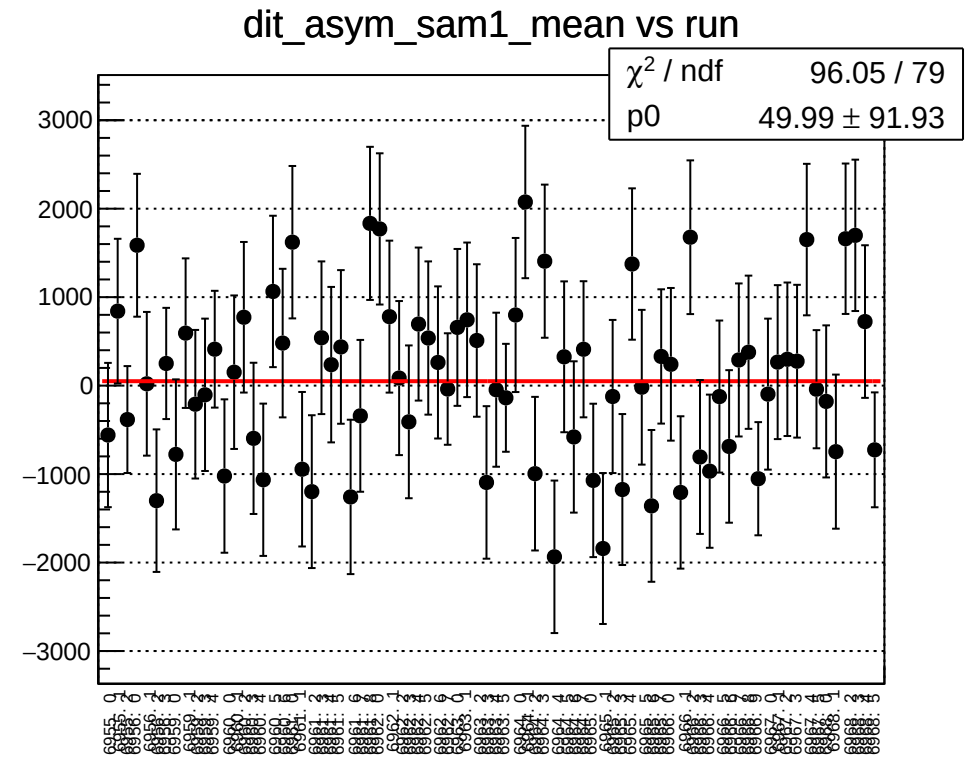

pull1D
Entries 80
Mean −0.0226
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

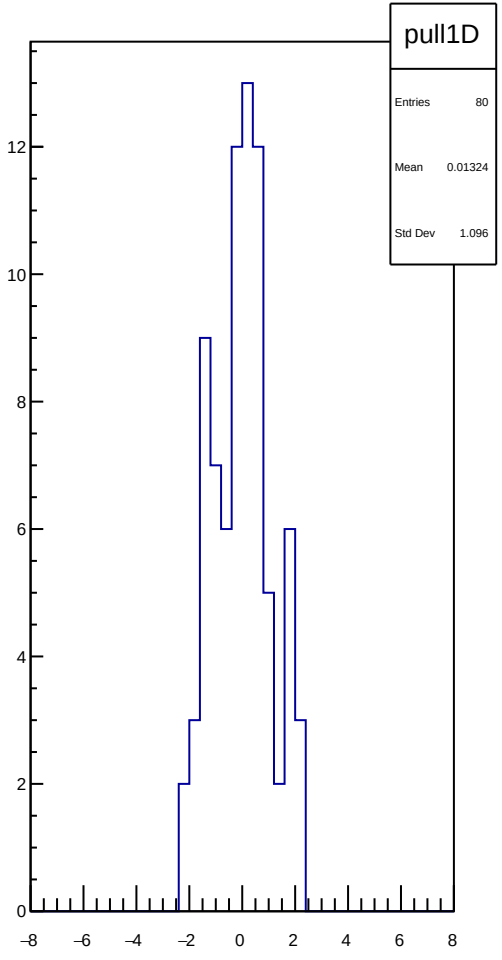

asym_atr2_correction_rms vs run
χ² / ndf 1.348e+04 / 79
p0 1.145e+04 ± 9.201
14000
13000
12000
11000
10000
9000

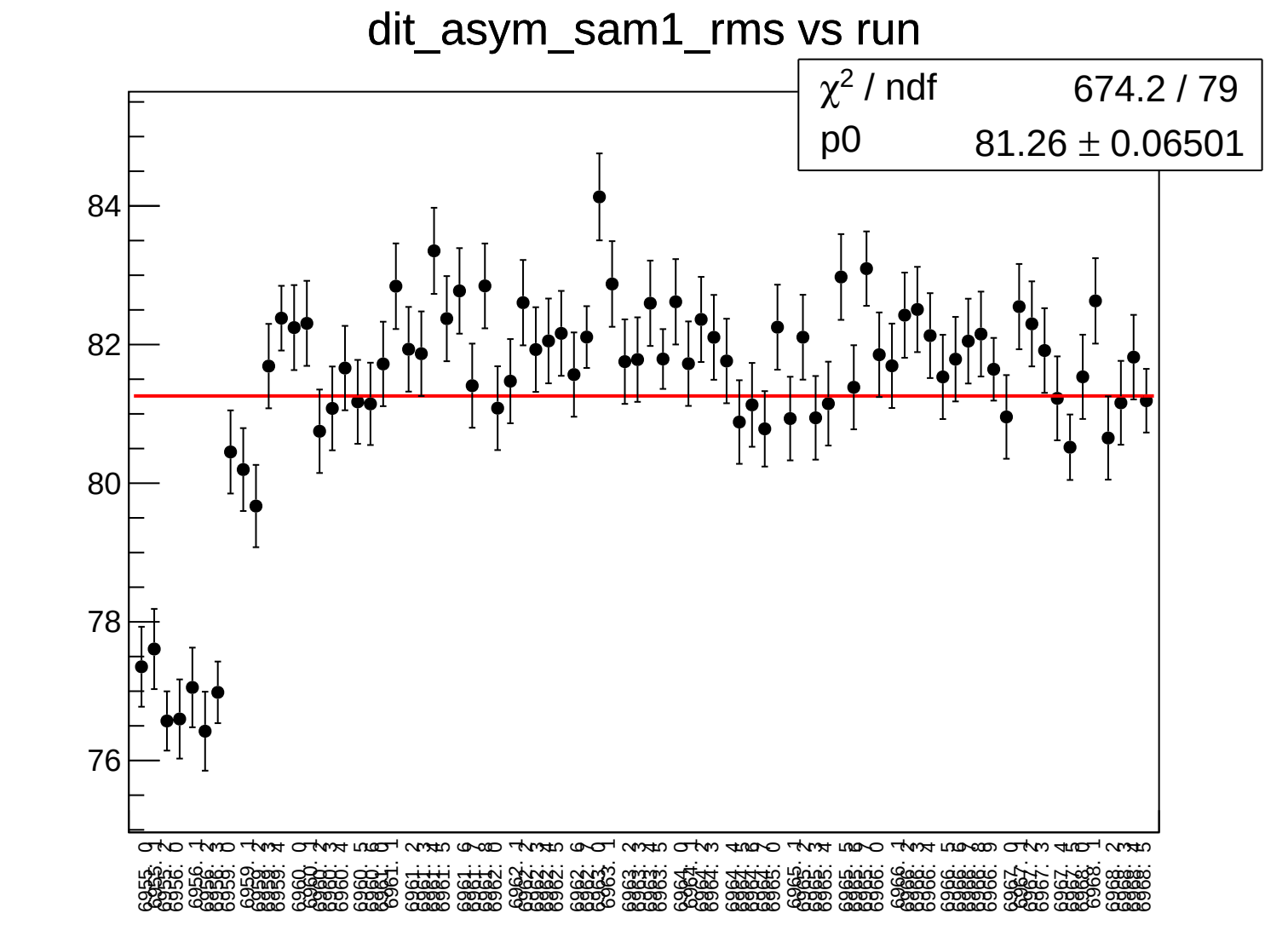

asym_atr2_mean vs run
×10^3
χ² / ndf 86.55 / 79
p0 5123 ± 1.339e+04
400
200
0
−200
−400
pull
Entries 80
Mean −73.3
Std Dev 102.6
2
1
0
−1
−2

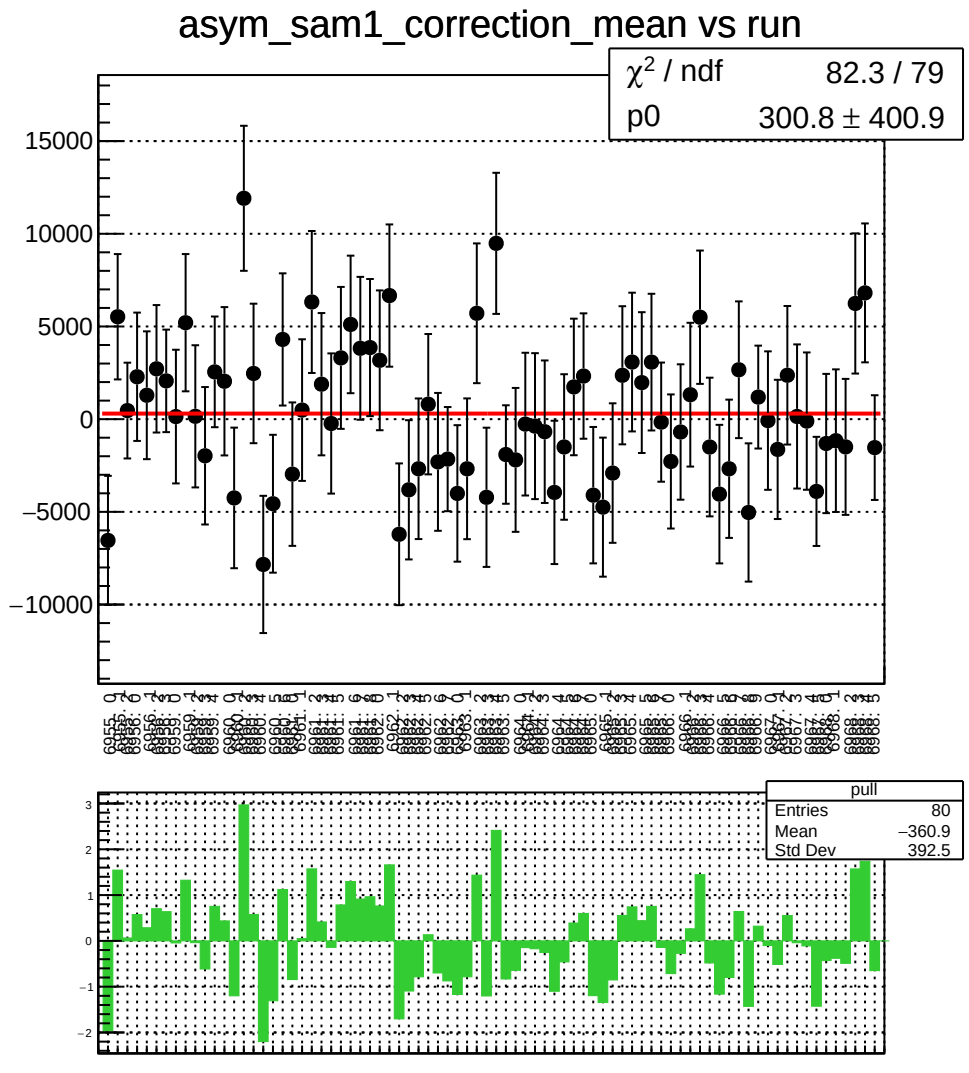

pull1D
Entries 80
Mean 0.02018
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

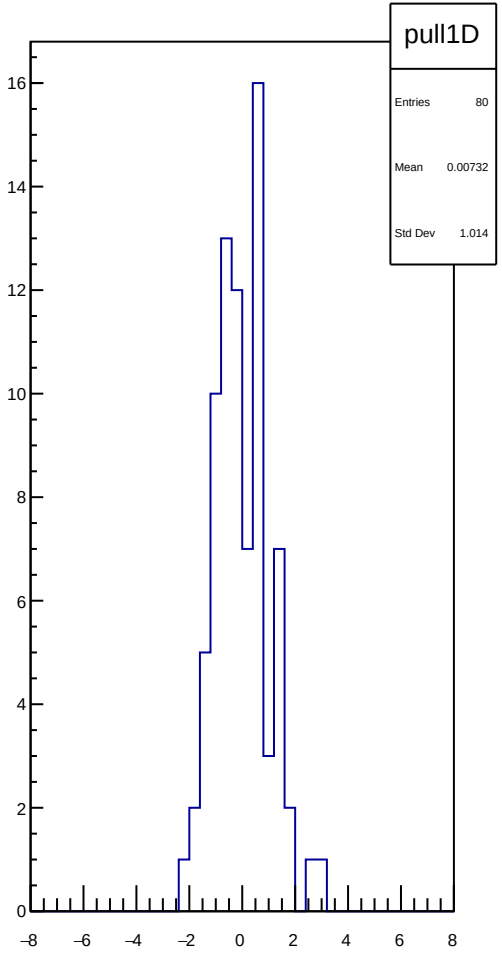

asym_atr2_rms vs run
χ^2 / ndf 1.221e+04 / 79
p0 1.179e+04 ± 9.47
15000
14000
13000
12000
11000
10000

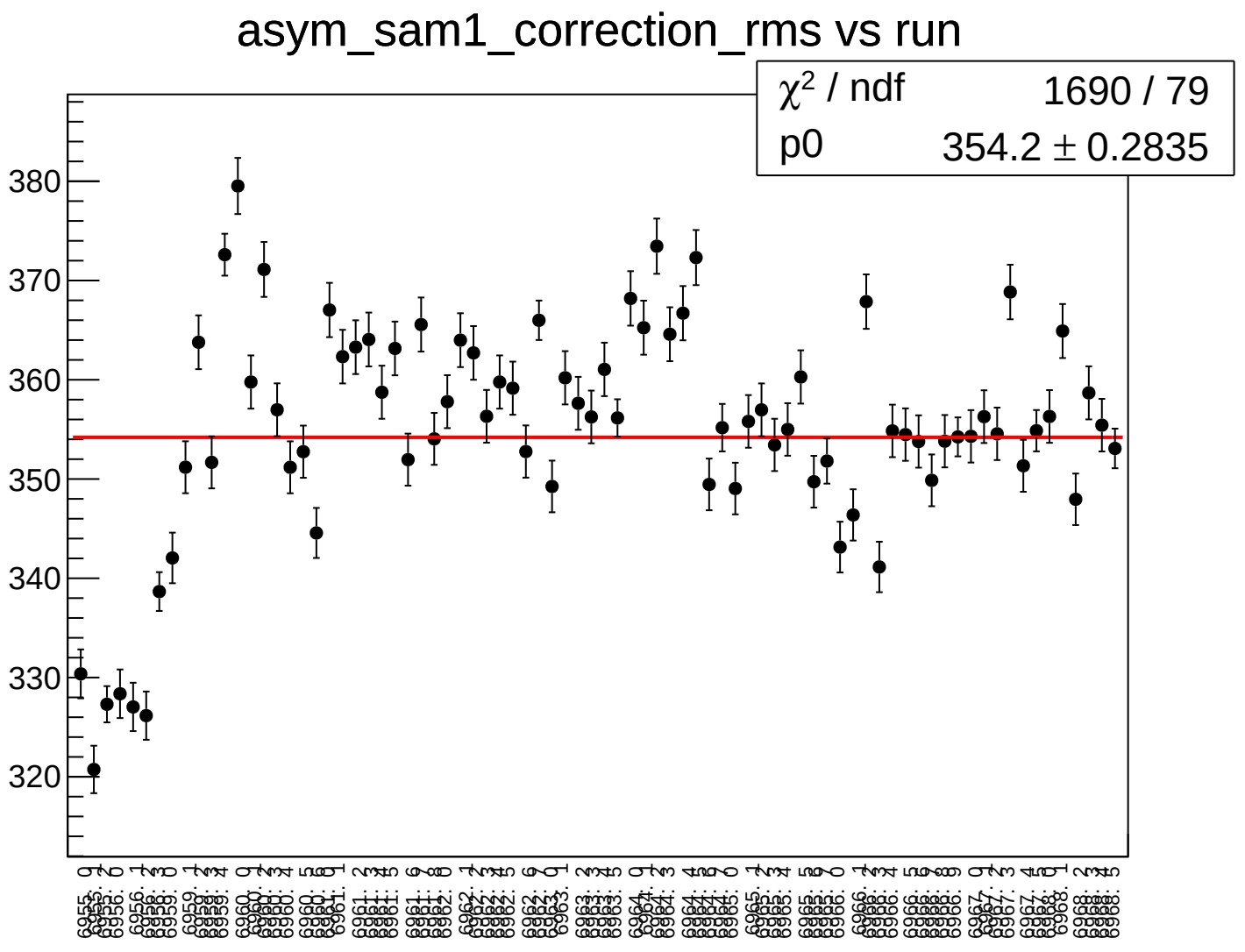

dit_asym_sam1_mean vs run
χ² / ndf 96.05 / 79
p0 49.99 ± 91.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 27.79
Std Dev 42.5
2
1
0
−1
−2

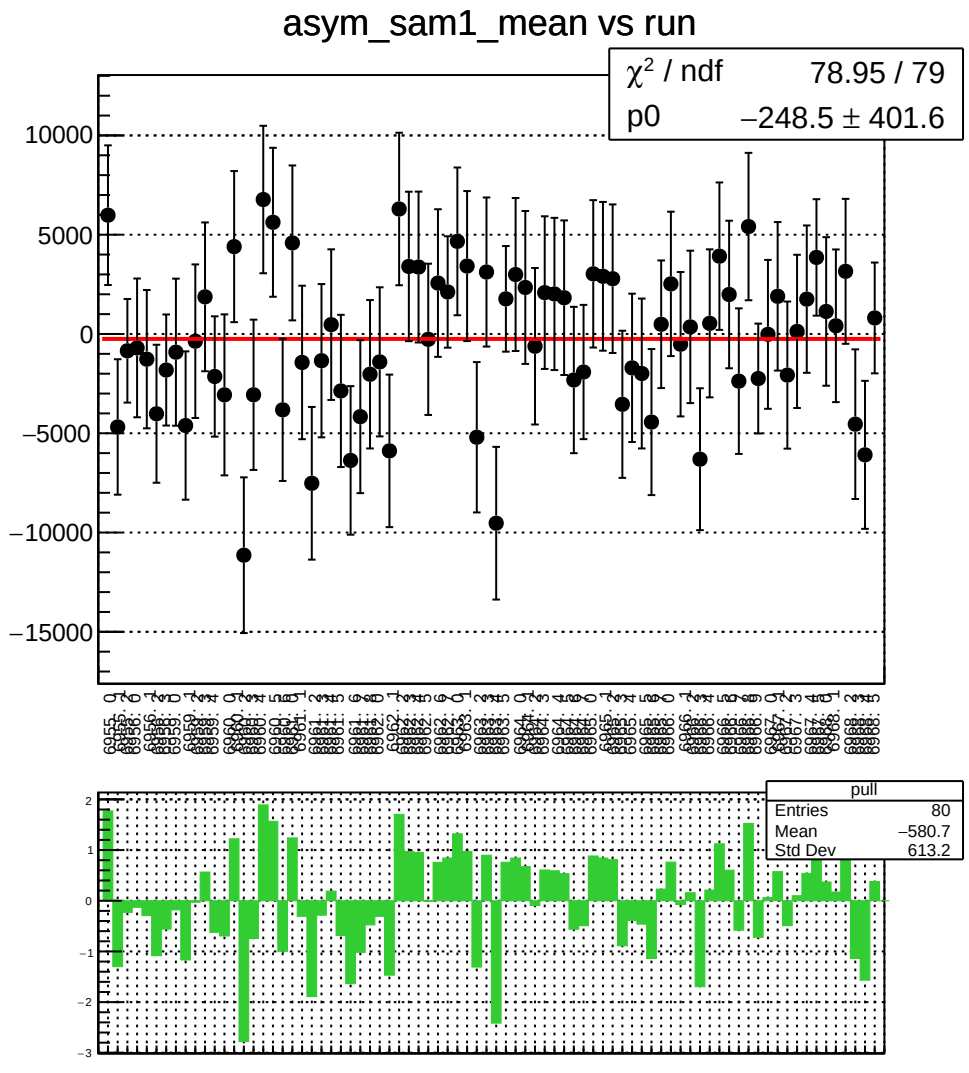

pull1D
Entries 80
Mean 0.01324
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

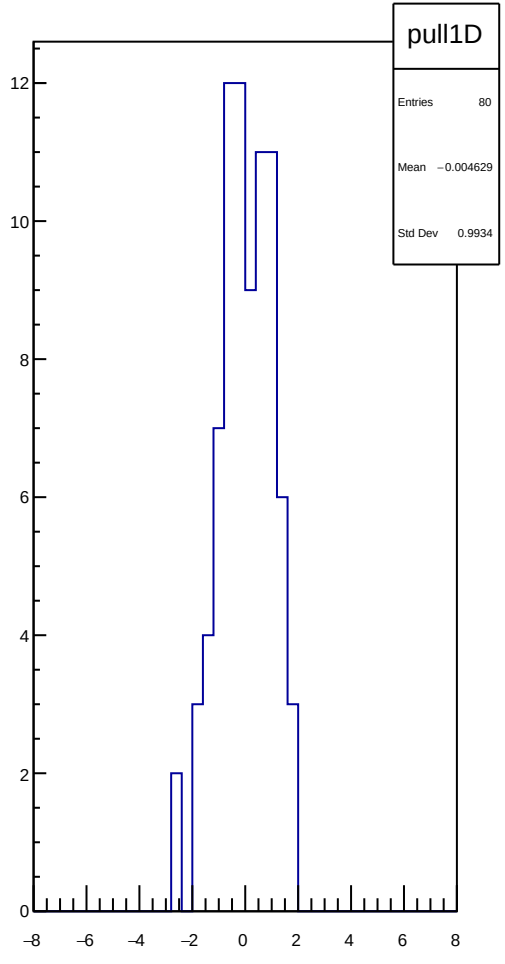

dit_asym_sam1_rms vs run
χ² / ndf 674.2 / 79
p0 81.26 ± 0.06501
84
82
80
78
76

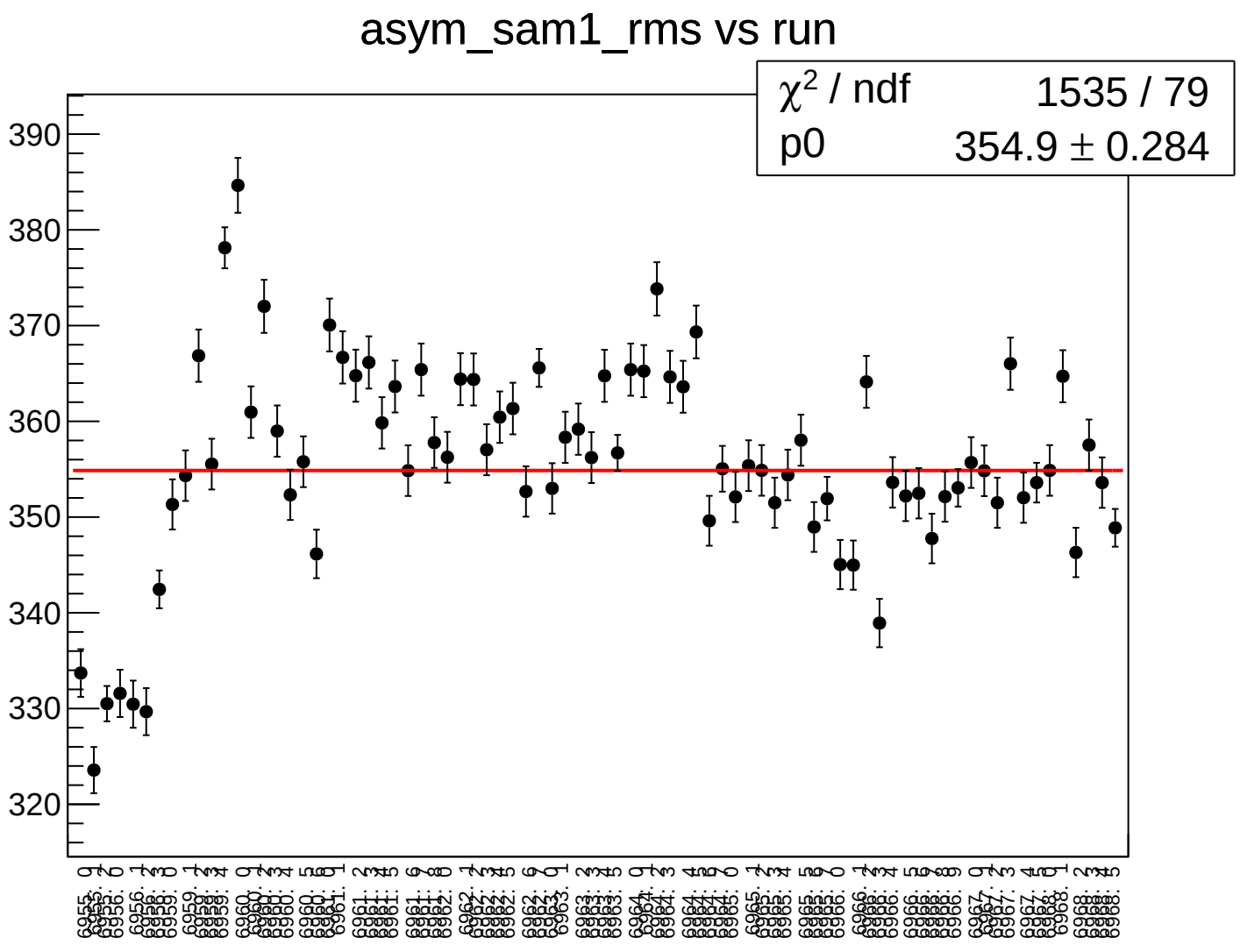

asym_sam1_correction_mean vs run
χ² / ndf 82.3 / 79
p0 300.8 ± 400.9
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −360.9
Std Dev 392.5
3
2
1
0
−1
−2

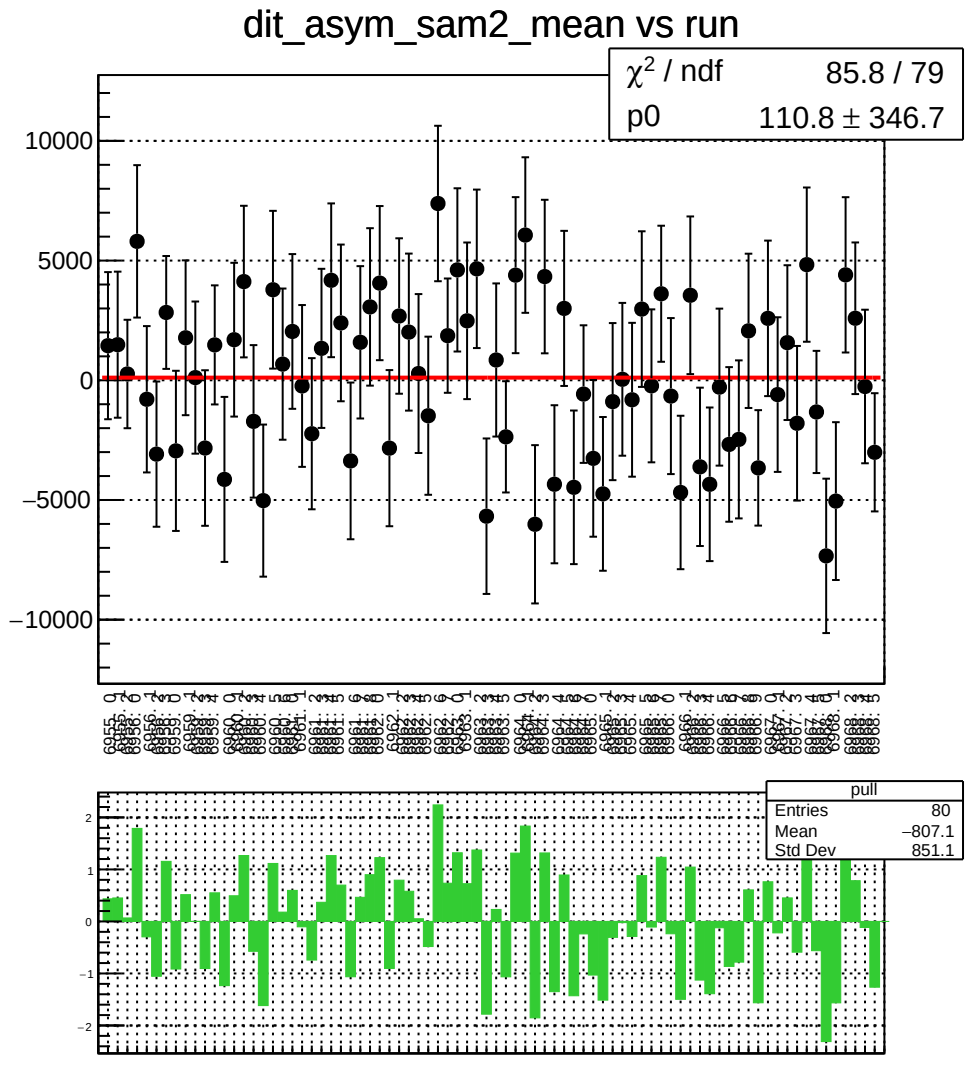

pull1D
Entries 80
Mean 0.00732
Std Dev 1.014
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

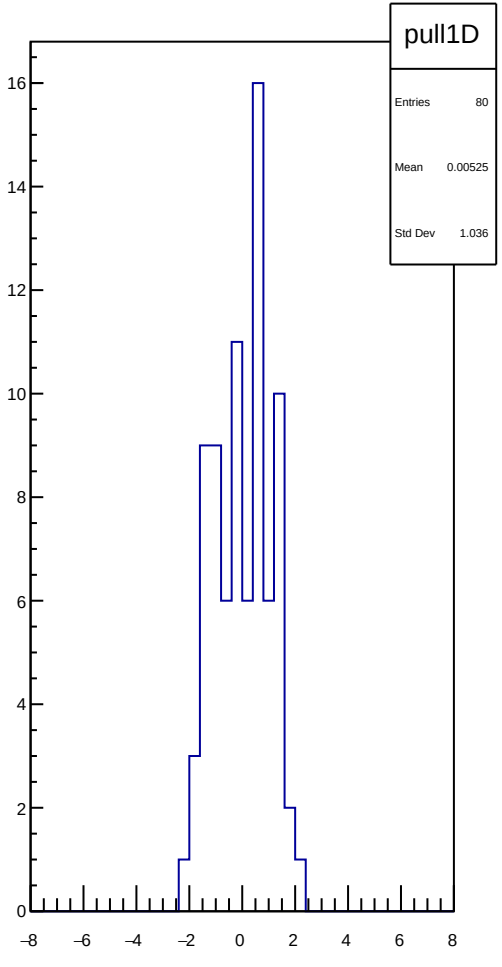

asym_sam1_correction_rms vs run
χ² / ndf 1690 / 79
p0 354.2 ± 0.2835
380
370
360
350
340
330
320

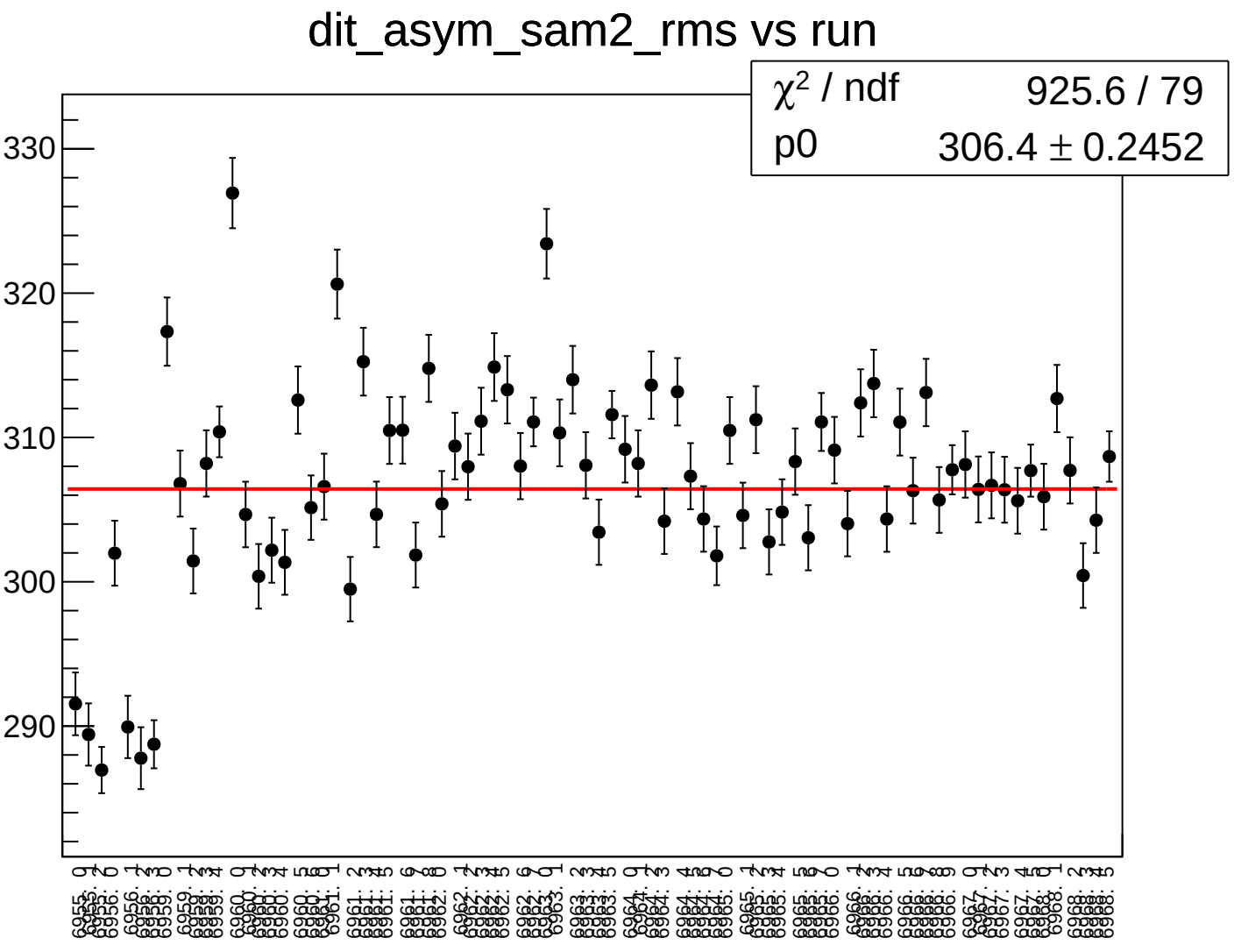

asym_sam1_mean vs run
χ² / ndf 78.95 / 79
p0 −248.5 ± 401.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −580.7
Std Dev 613.2
2
1
0
−1
−2
−3

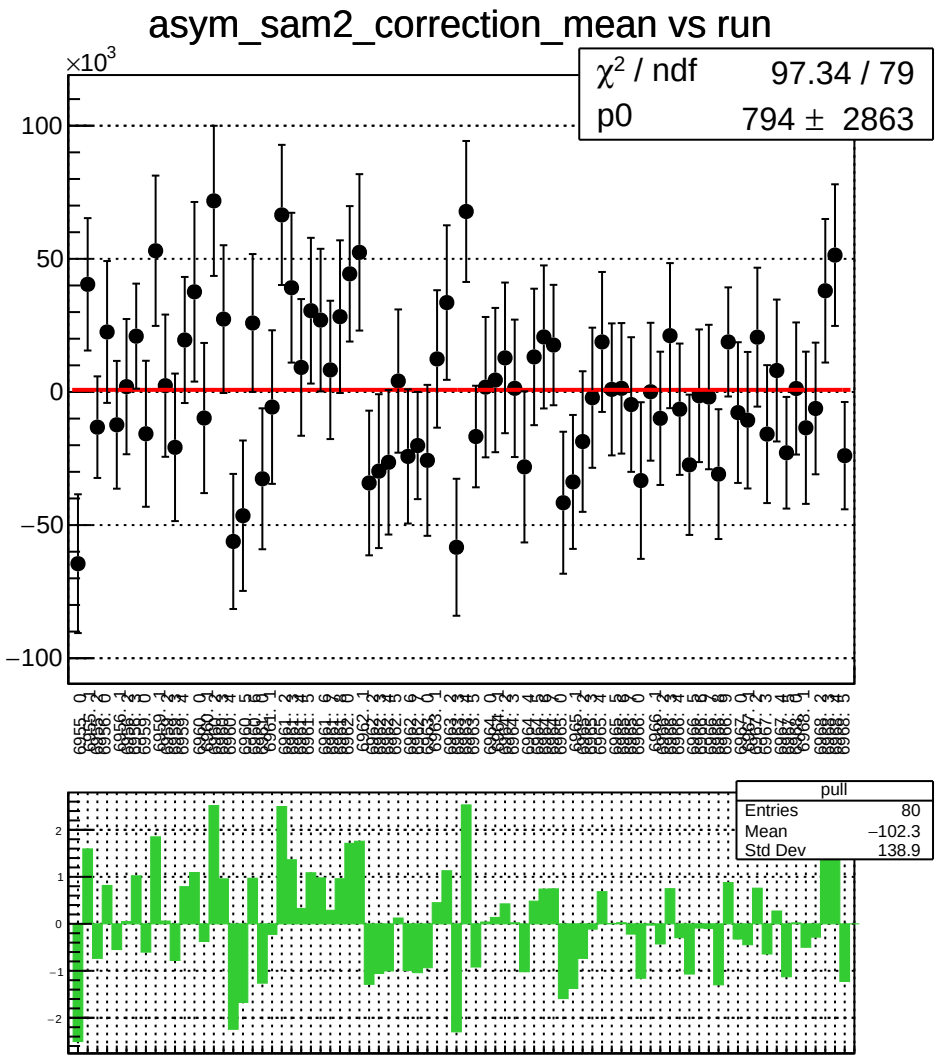

pull1D
Entries 80
Mean −0.004629
Std Dev 0.9934
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

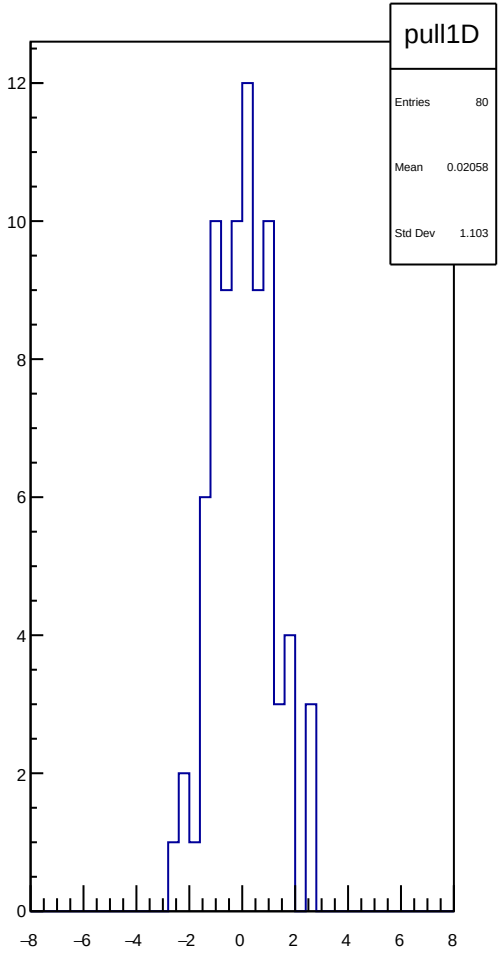

asym_sam1_rms vs run
χ² / ndf 1535 / 79
p0 354.9 ± 0.284
390
380
370
360
350
340
330
320

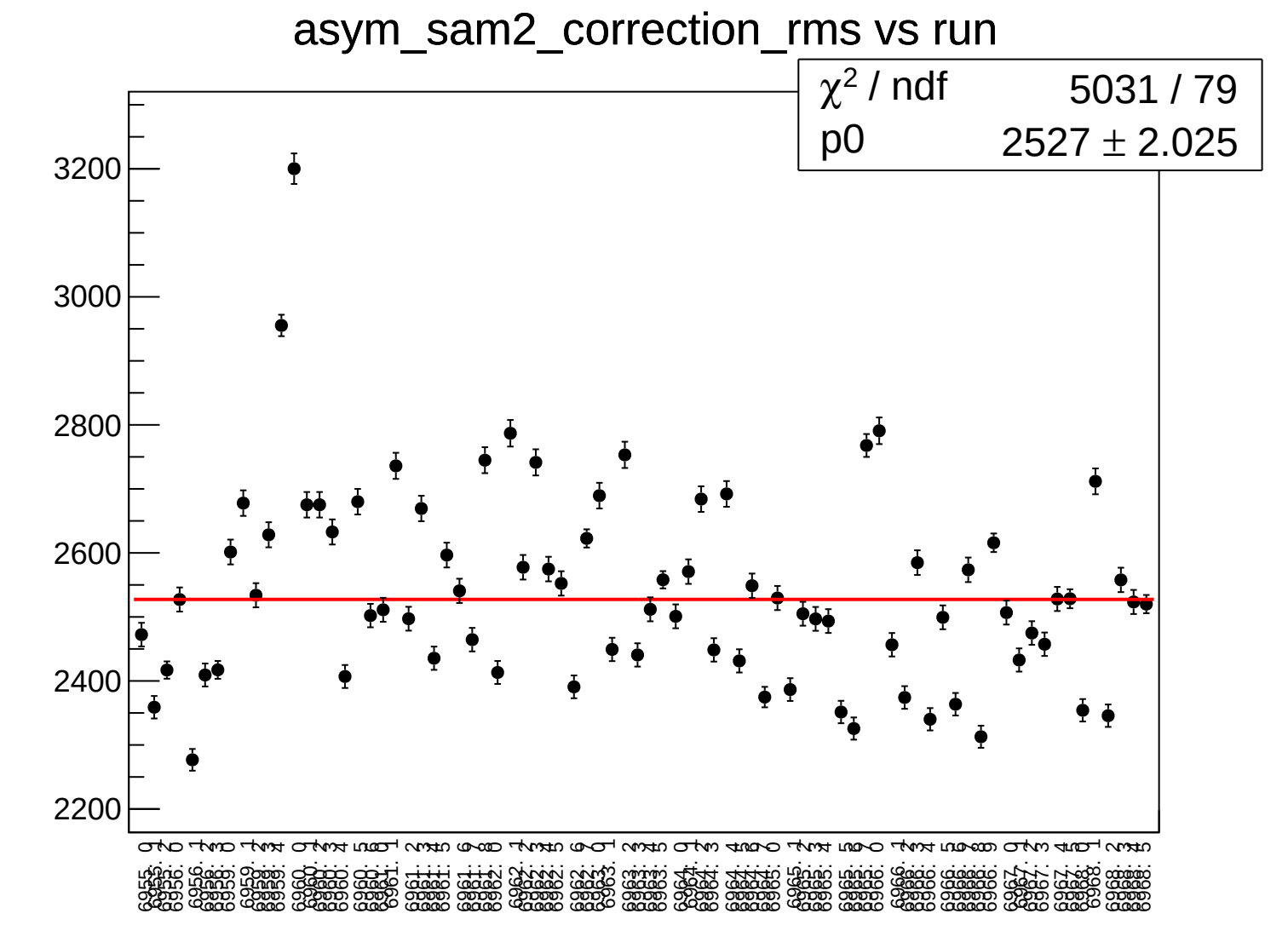

dit_asym_sam2_mean vs run
χ² / ndf 85.8 / 79
p0 110.8 ± 346.7
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −807.1
Std Dev 851.1
2
1
0
−1
−2

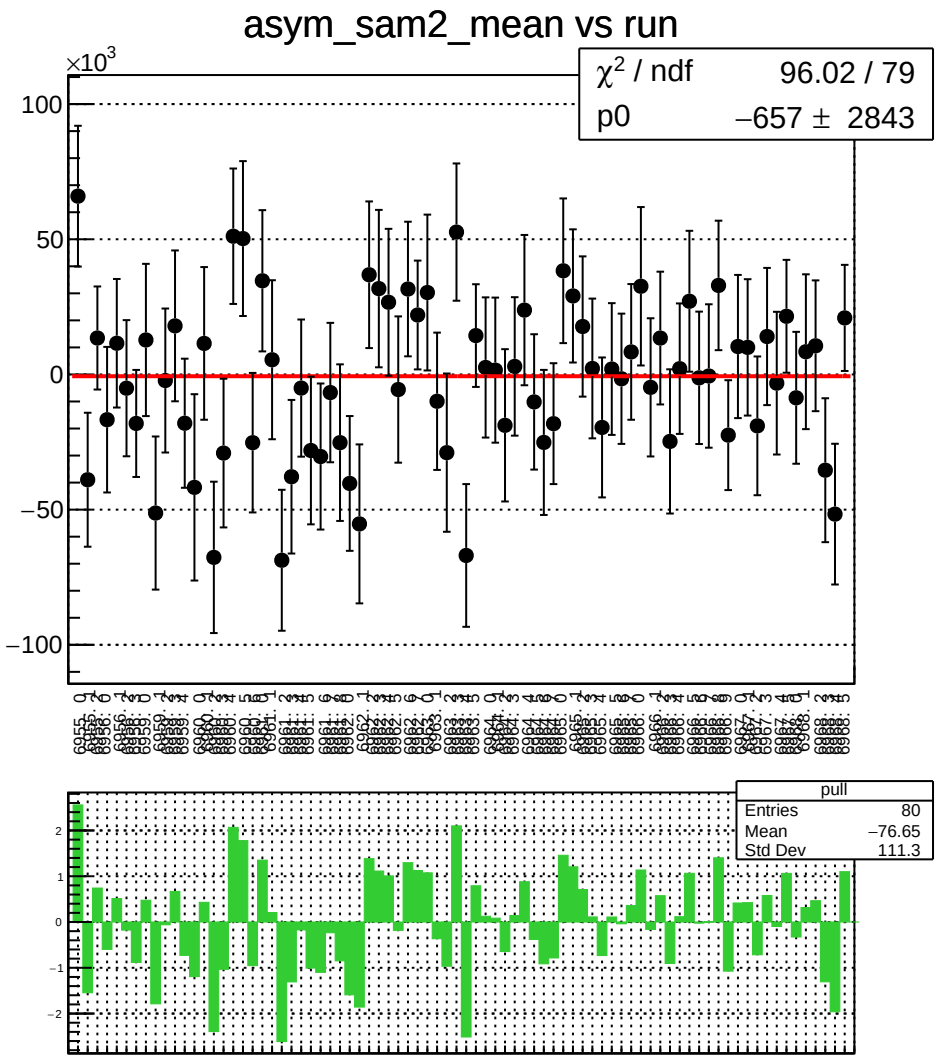

pull1D
Entries 80
Mean 0.00525
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

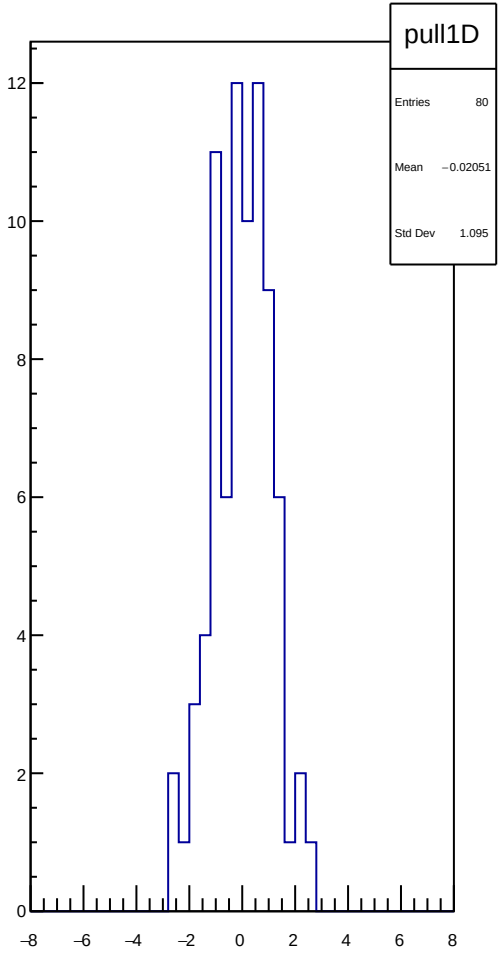

dit_asym_sam2_rms vs run
χ^2 / ndf 925.6 / 79
p0 306.4 ± 0.2452
330
320
310
300
290

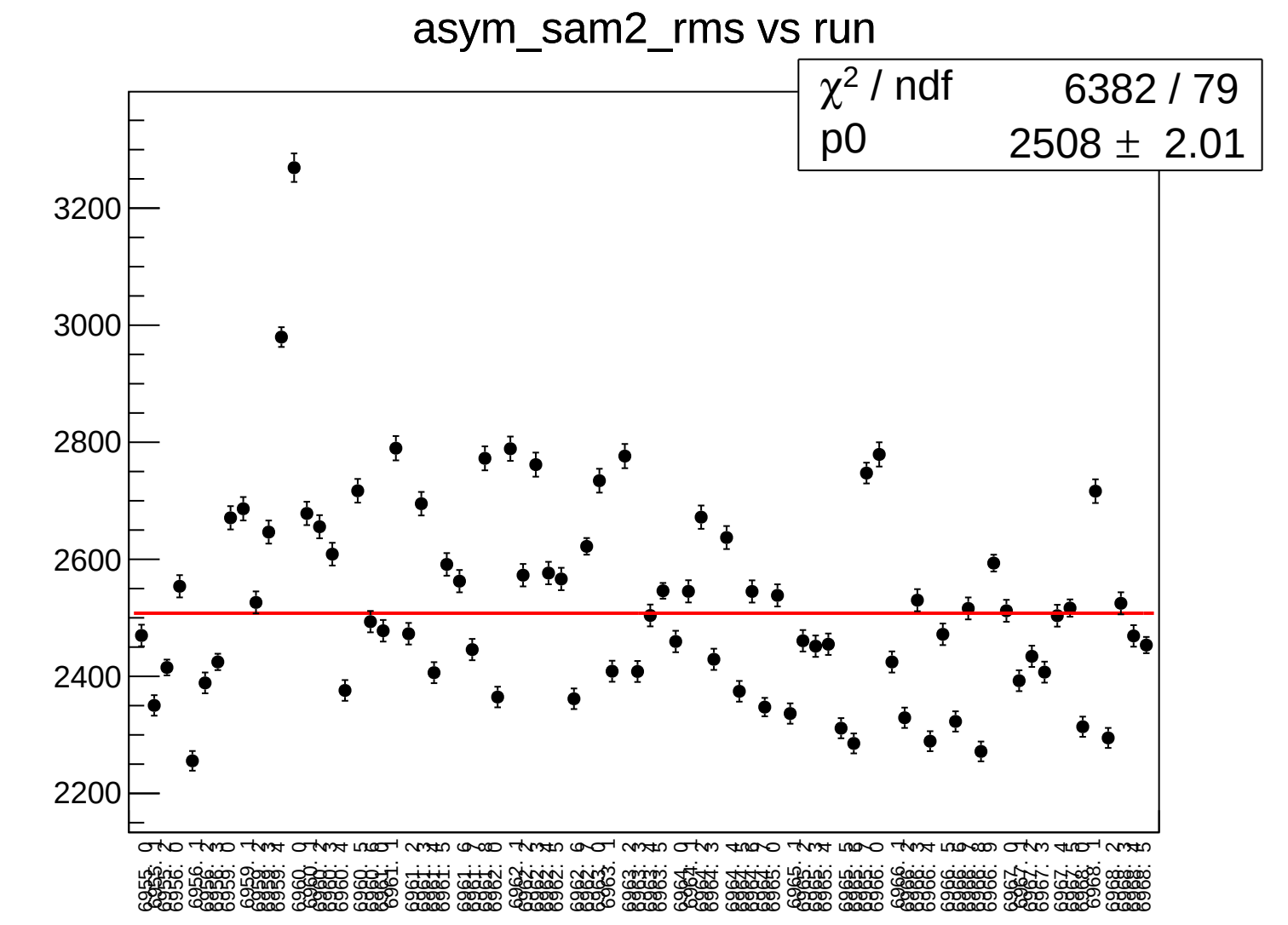

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 97.34 / 79
p0 794 ± 2863
100
50
0
−50
−100
pull
Entries 80
Mean −102.3
Std Dev 138.9
2
1
0
−1
−2

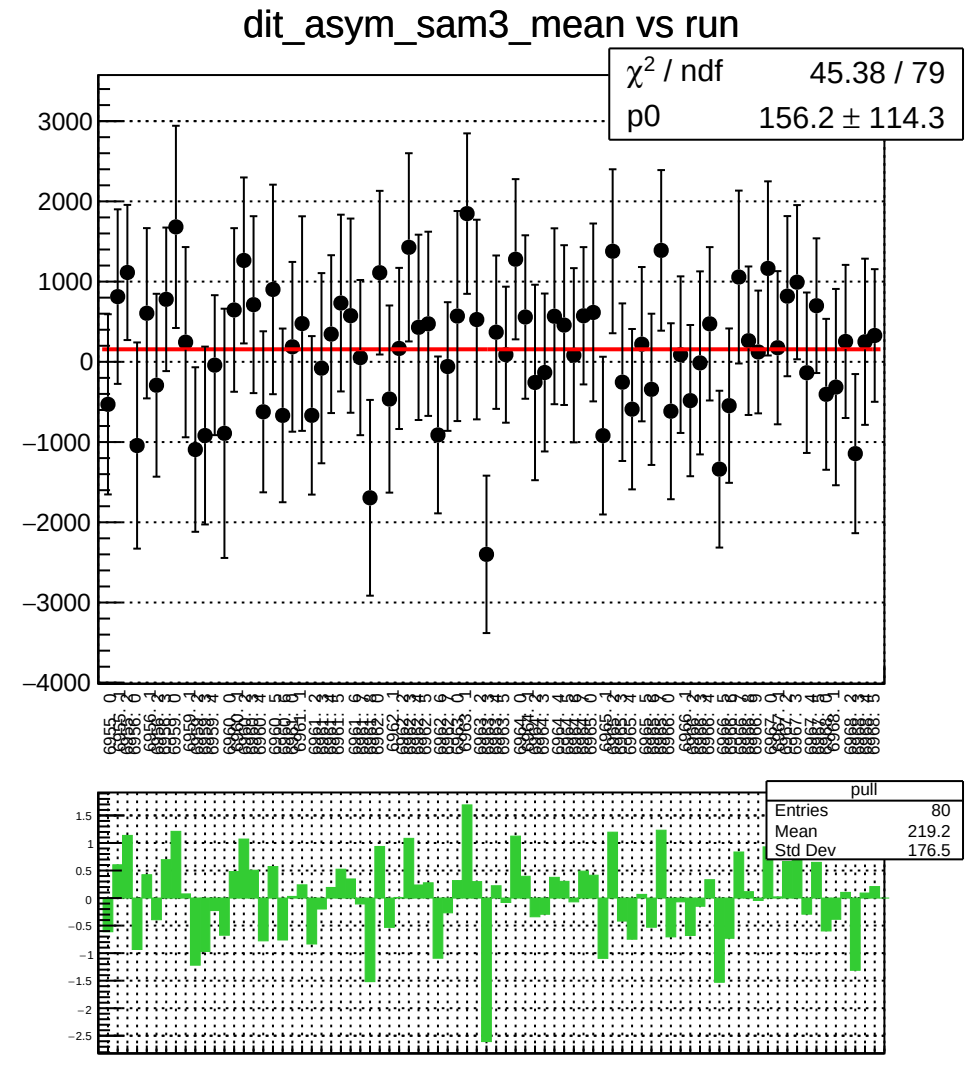

pull1D
Entries 80
Mean 0.02058
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

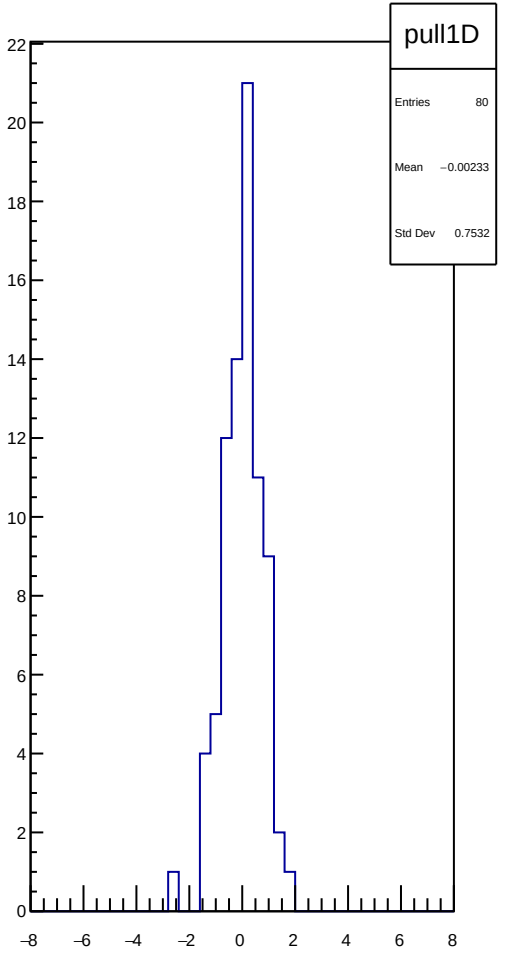

asym_sam2_correction_rms vs run
χ² / ndf 5031 / 79
p0 2527 ± 2.025
3200
3000
2800
2600
2400
2200

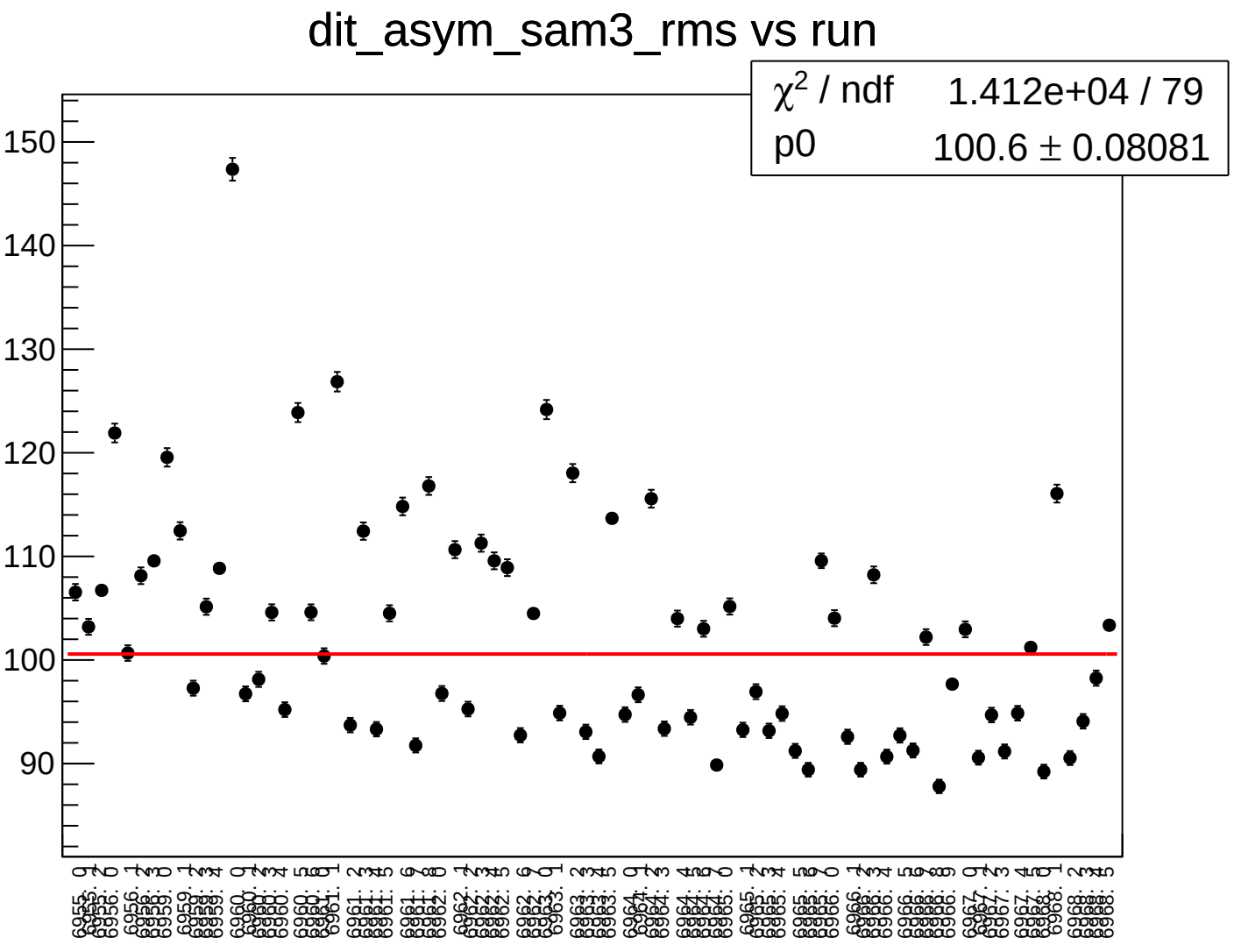

asym_sam2_mean vs run
×10^3
χ² / ndf 96.02 / 79
p0 −657 ± 2843
100
50
0
−50
−100
pull
Entries 80
Mean −76.65
Std Dev 111.3
2
1
0
−1
−2

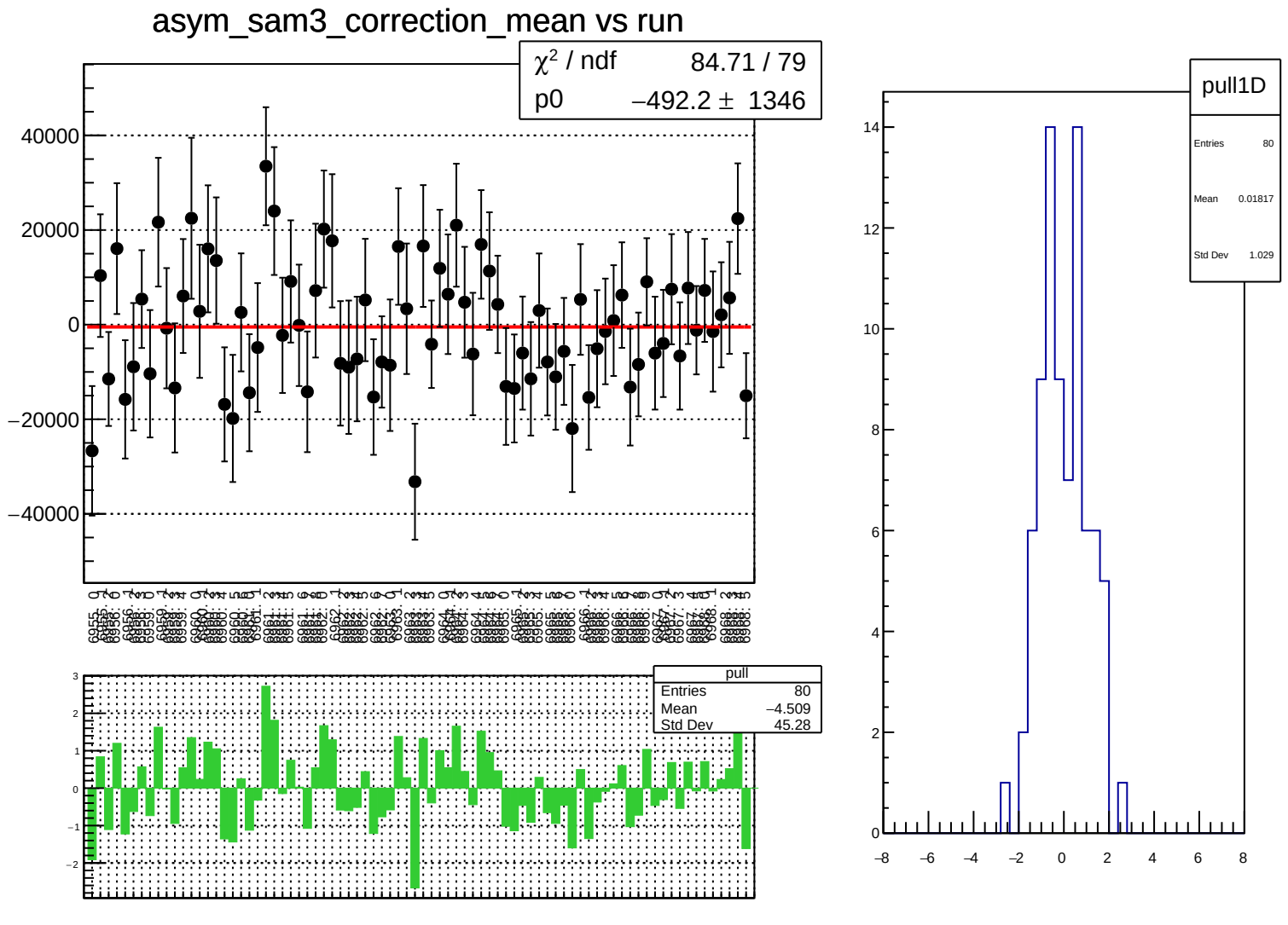

pull1D
Entries 80
Mean −0.02051
Std Dev 1.095
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

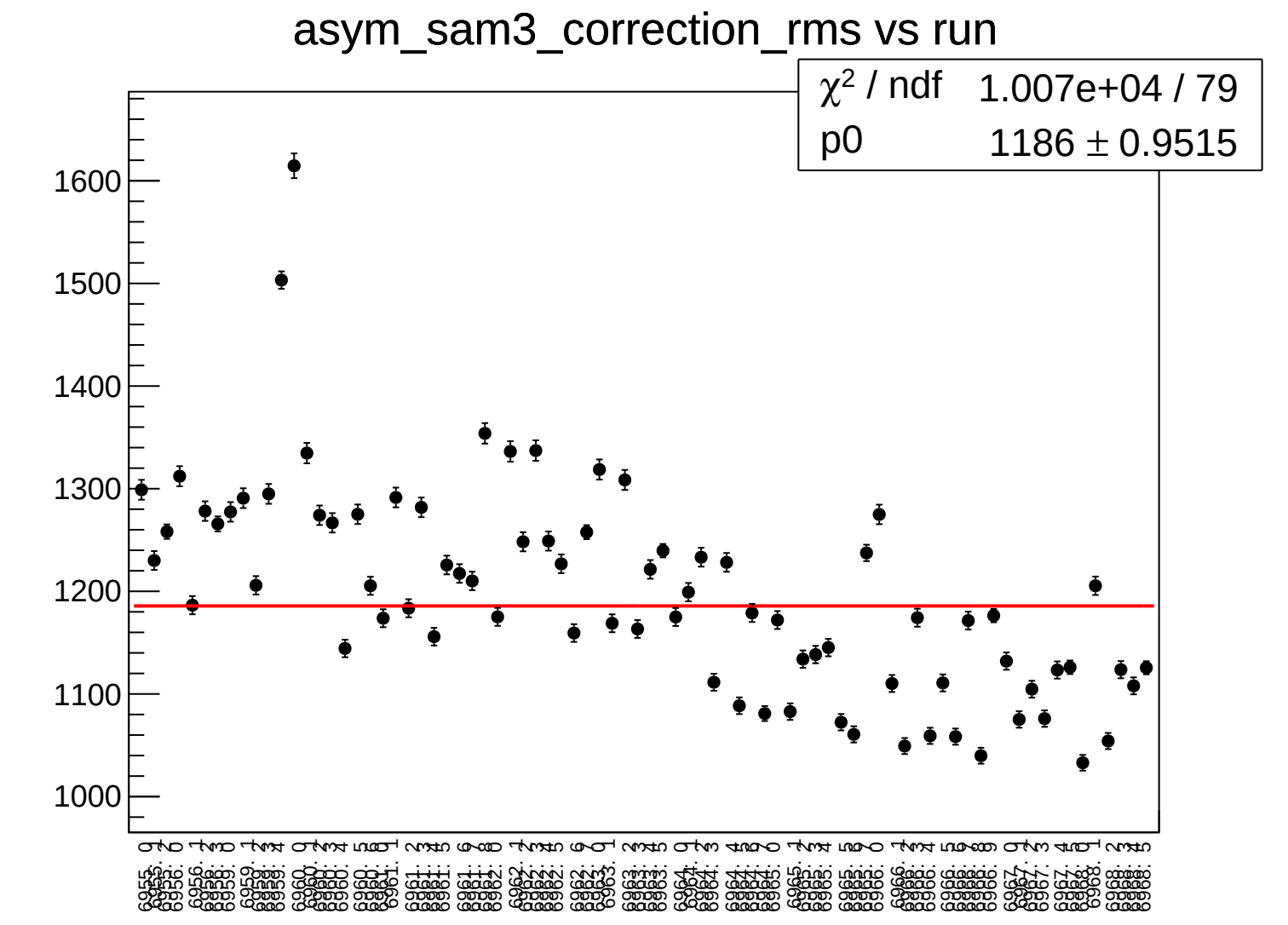

asym_sam2_rms vs run
χ² / ndf 6382 / 79
p0 2508 ± 2.01
3200
3000
2800
2600
2400
2200

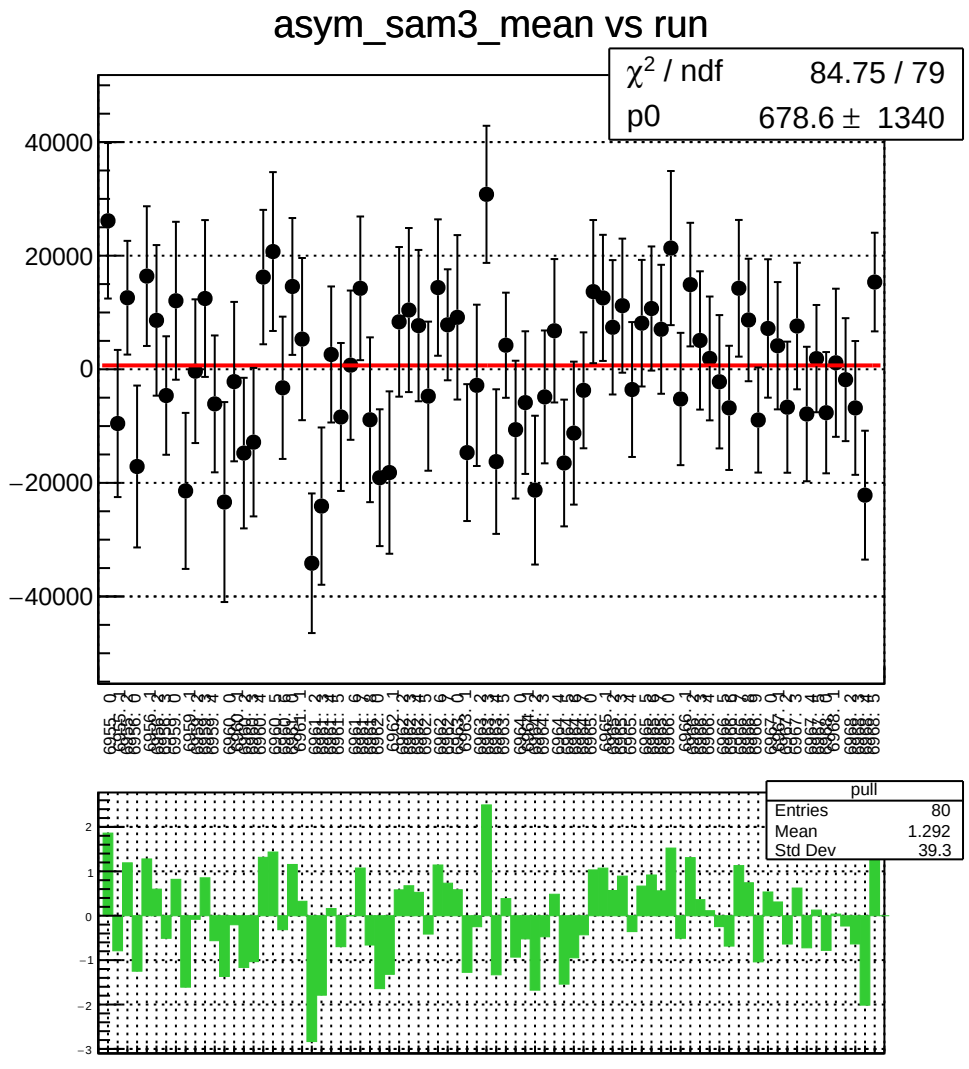

dit_asym_sam3_mean vs run
χ² / ndf 45.38 / 79
p0 156.2 ± 114.3
pull
Entries 80
Mean 219.2
Std Dev 176.5

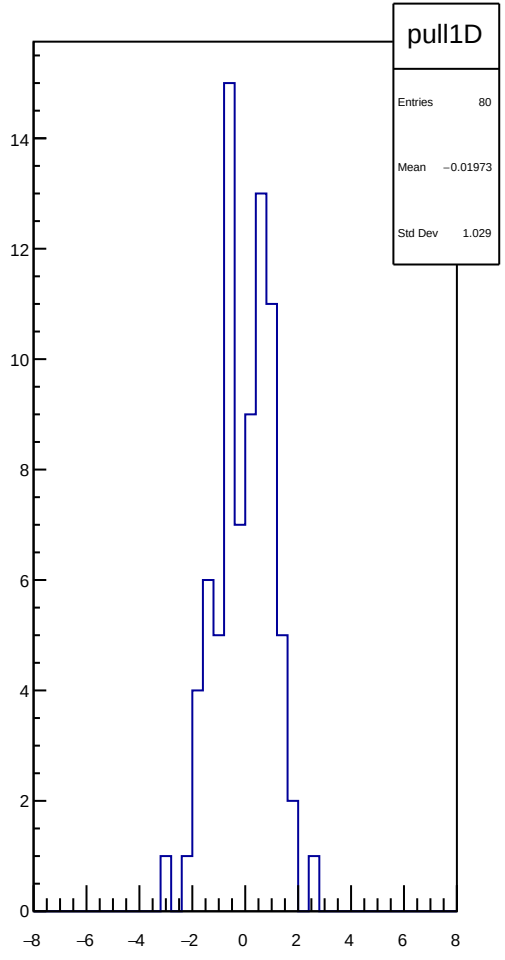

pull1D
Entries 80
Mean −0.00233
Std Dev 0.7532

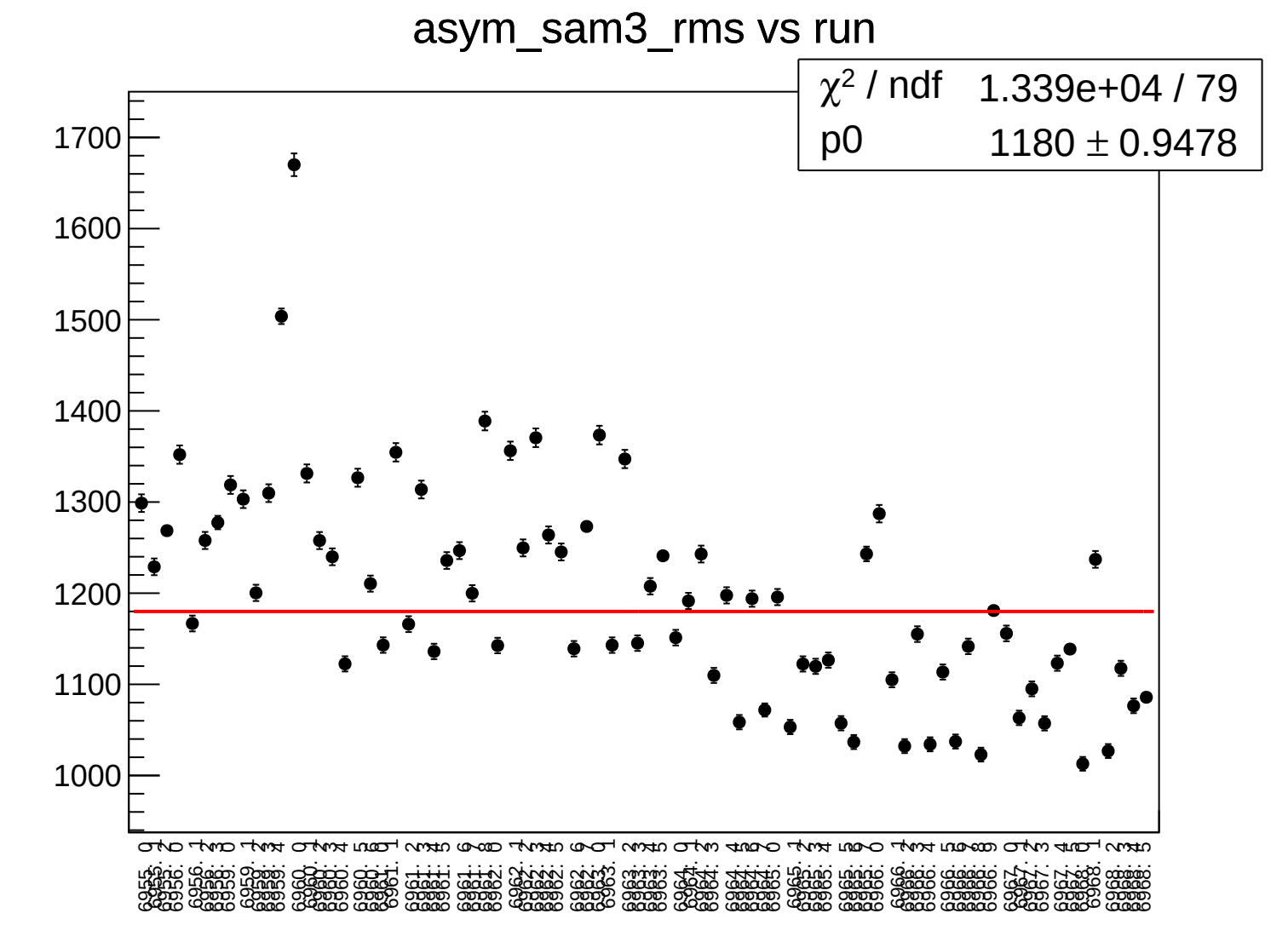

dit_asym_sam3_rms vs run
χ^2 / ndf 1.412e+04 / 79
p0 100.6 ± 0.08081
150
140
130
120
110
100
90

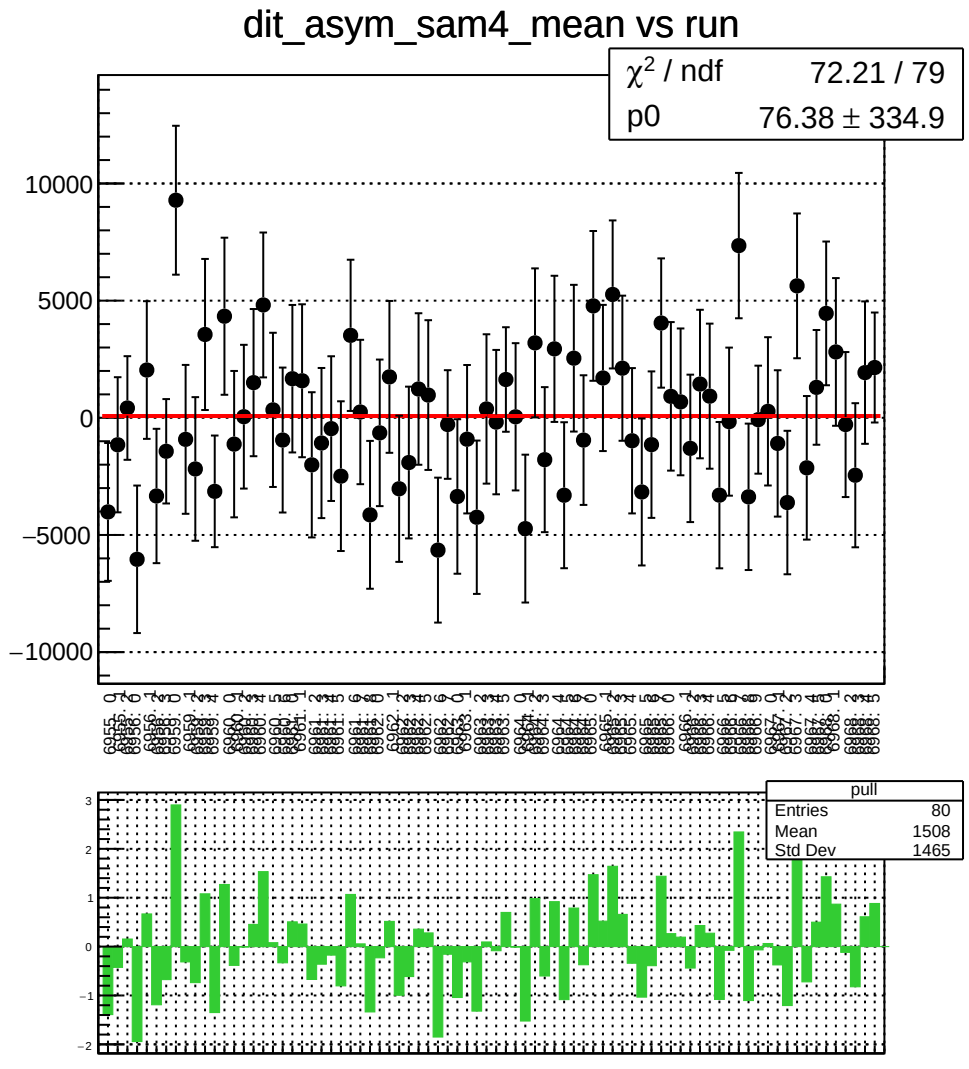

asym_sam3_correction_mean vs run
χ² / ndf 84.71 / 79
p0 −492.2 ± 1346
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −4.509
Std Dev 45.28
pull1D
Entries 80
Mean 0.01817
Std Dev 1.029

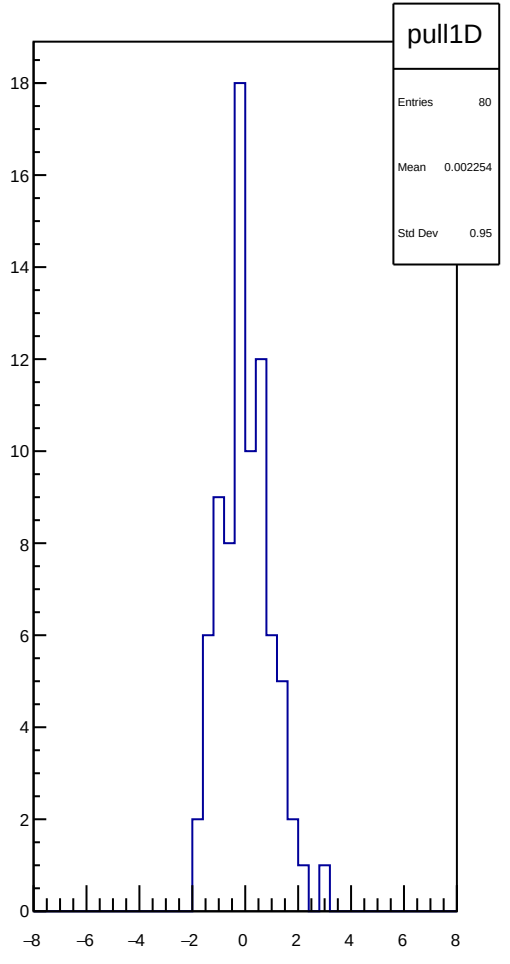

asym_sam3_correction_rms vs run
χ² / ndf 1.007e+04 / 79
p0 1186 ± 0.9515
1600
1500
1400
1300
1200
1100
1000

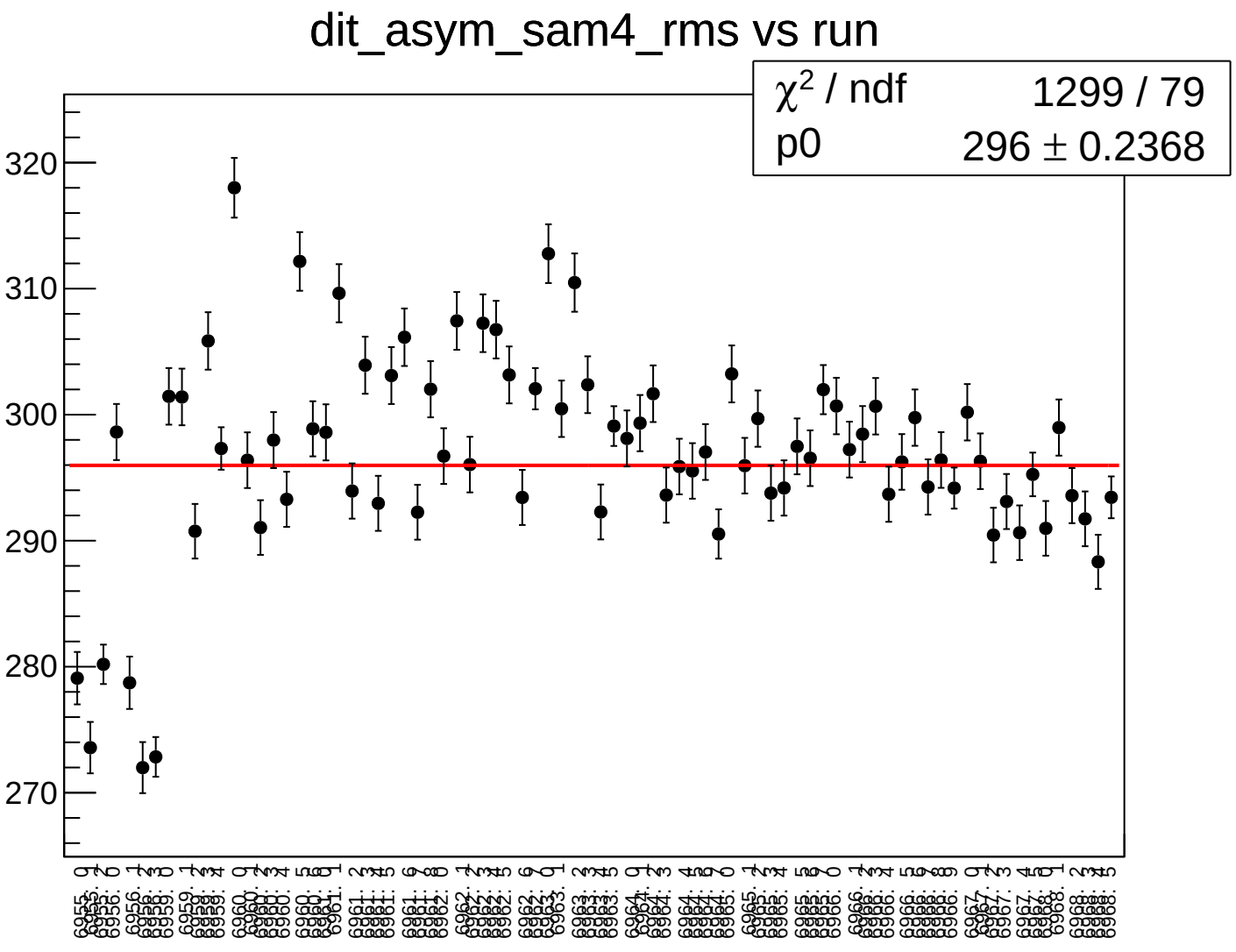

asym_sam3_mean vs run
χ² / ndf 84.75 / 79
p0 678.6 ± 1340
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 1.292
Std Dev 39.3
2
1
0
−1
−2
−3

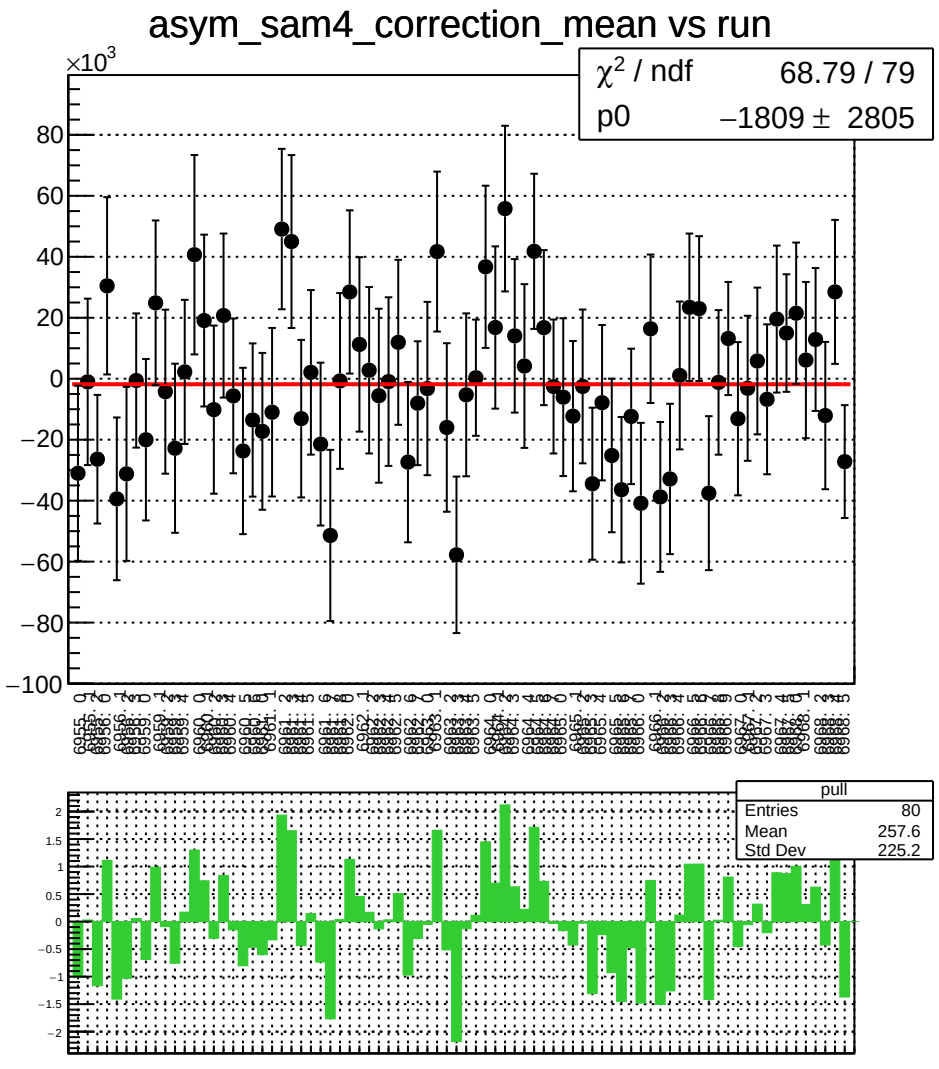

pull1D
Entries 80
Mean −0.01973
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

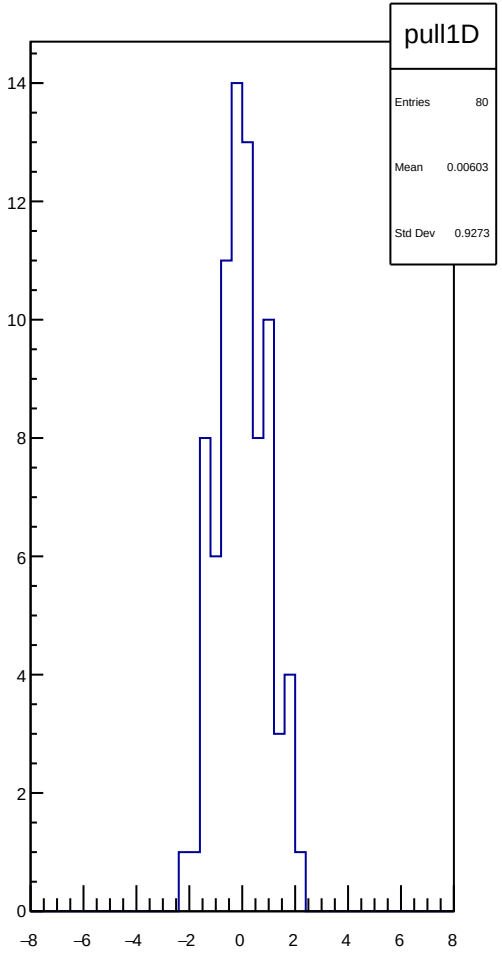

asym_sam3_rms vs run
χ² / ndf 1.339e+04 / 79
p0 1180 ± 0.9478
1700
1600
1500
1400
1300
1200
1100
1000

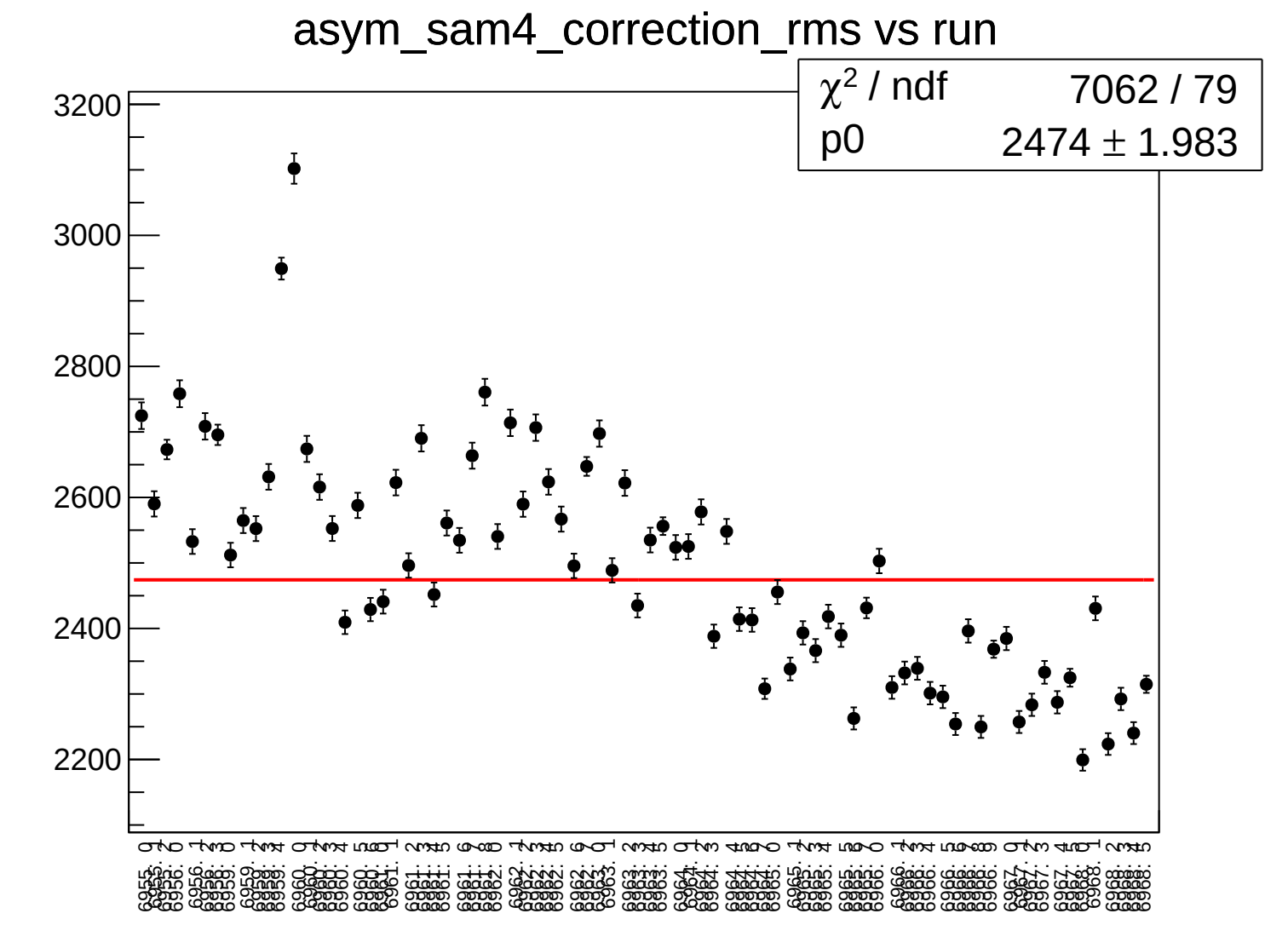

dit_asym_sam4_mean vs run
χ² / ndf 72.21 / 79
p0 76.38 ± 334.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 1508
Std Dev 1465
3
2
1
0
−1
−2

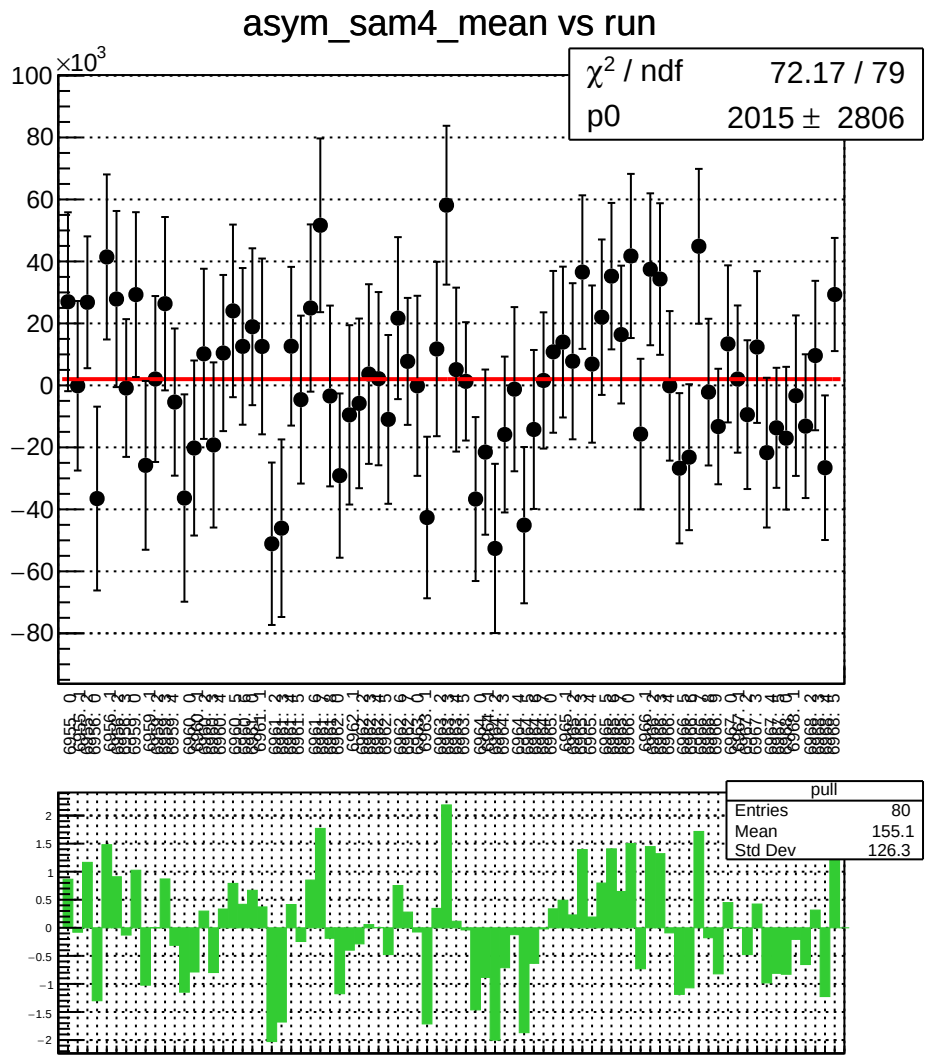

pull1D
Entries 80
Mean 0.002254
Std Dev 0.95
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

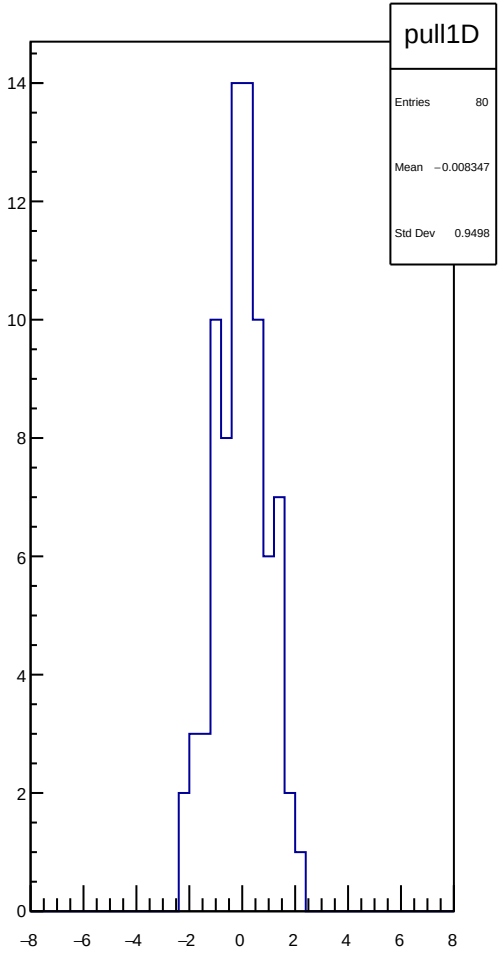

dit_asym_sam4_rms vs run
χ^2 / ndf 1299 / 79
p0 296 ± 0.2368
320
310
300
290
280
270

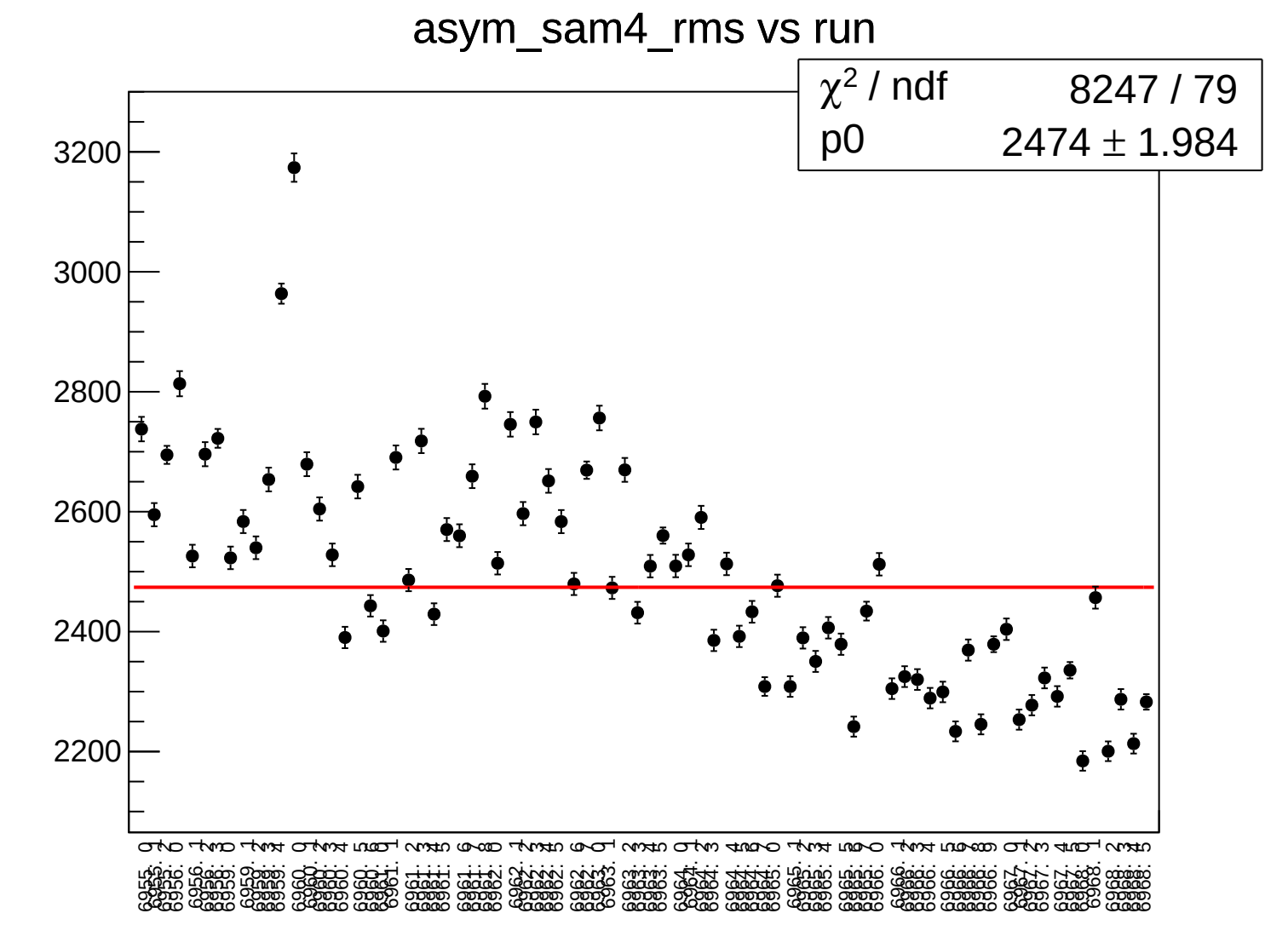

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 68.79 / 79
p0 −1809 ± 2805
pull
Entries 80
Mean 257.6
Std Dev 225.2

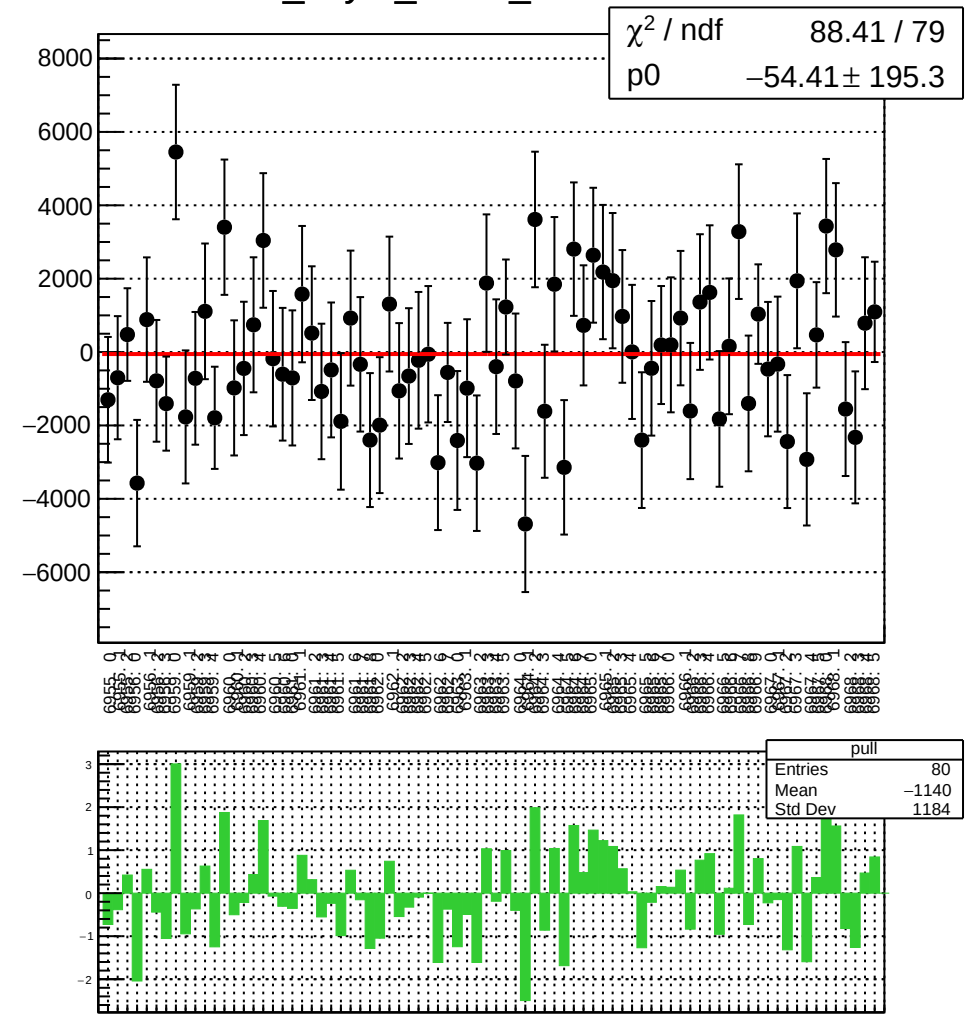

pull1D
Entries 80
Mean 0.00603
Std Dev 0.9273

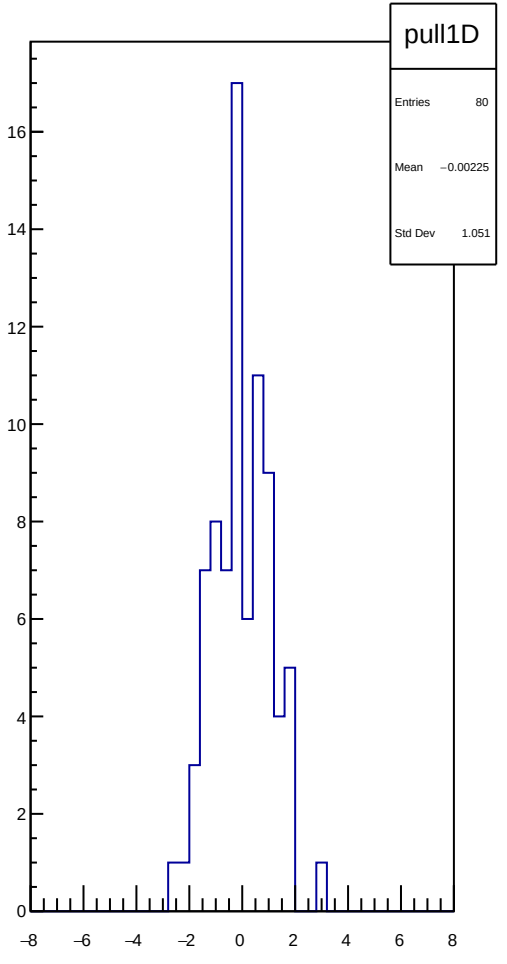

asym_sam4_correction_rms vs run
χ² / ndf 7062 / 79
p0 2474 ± 1.983
3200
3000
2800
2600
2400
2200

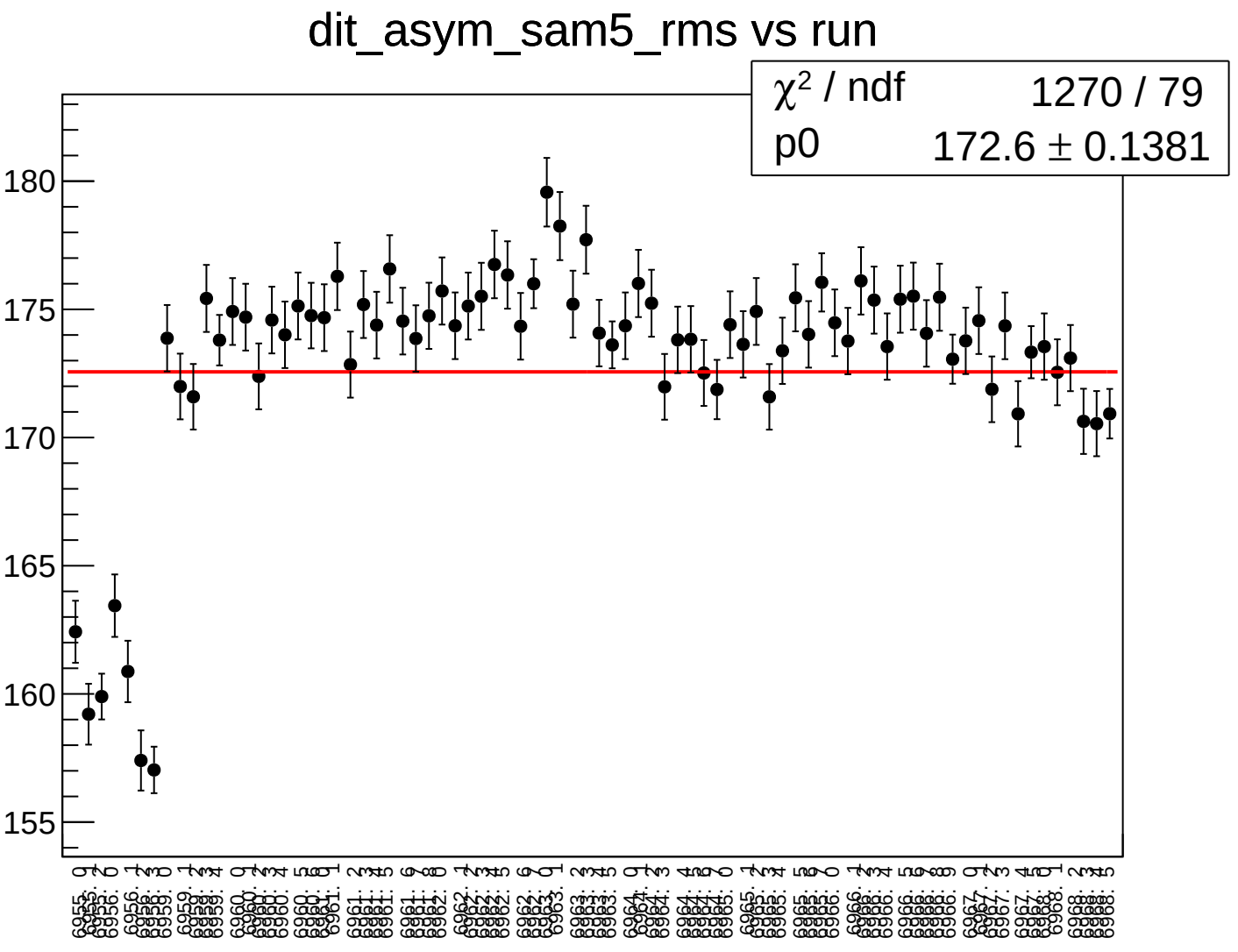

asym_sam4_mean vs run
χ² / ndf 72.17 / 79
p0 2015 ± 2806
×10³
pull
Entries 80
Mean 155.1
Std Dev 126.3

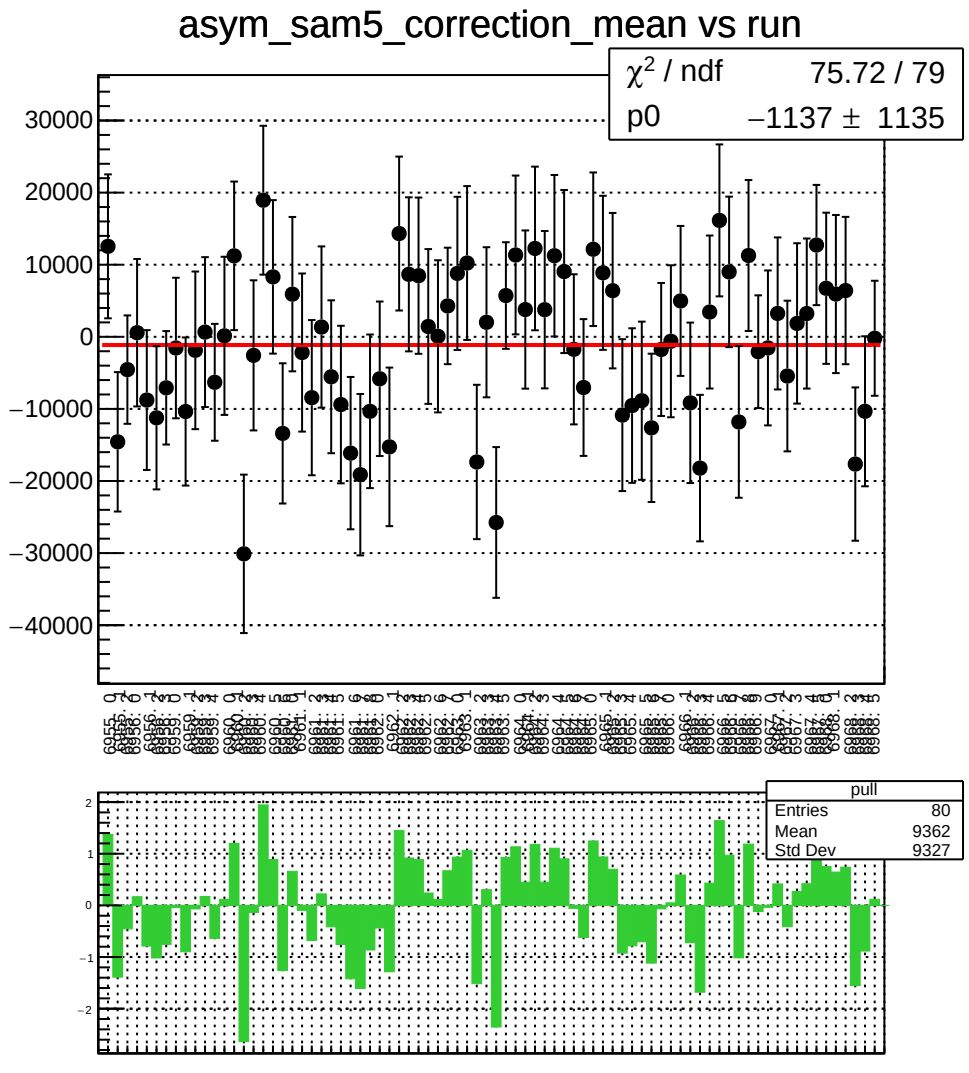

pull1D
Entries 80
Mean −0.008347
Std Dev 0.9498

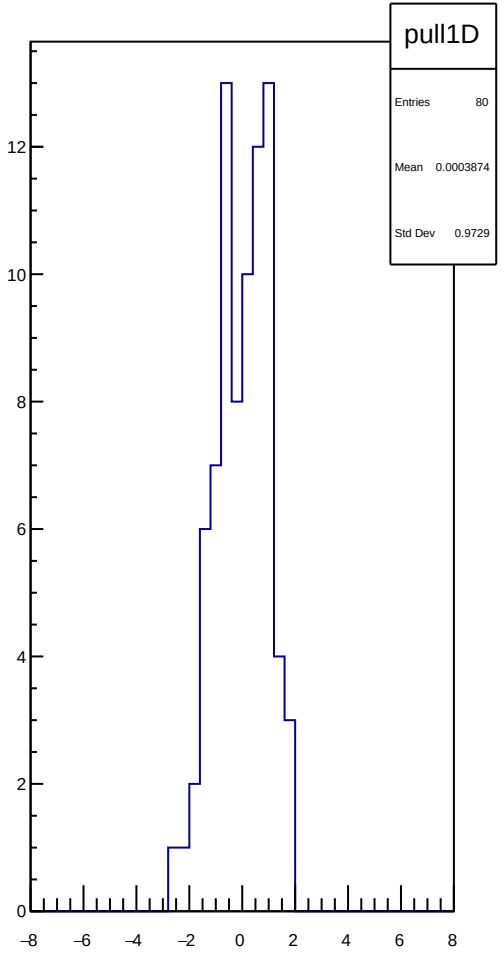

asym_sam4_rms vs run
χ^2 / ndf 8247 / 79
p0 2474 ± 1.984
3200
3000
2800
2600
2400
2200

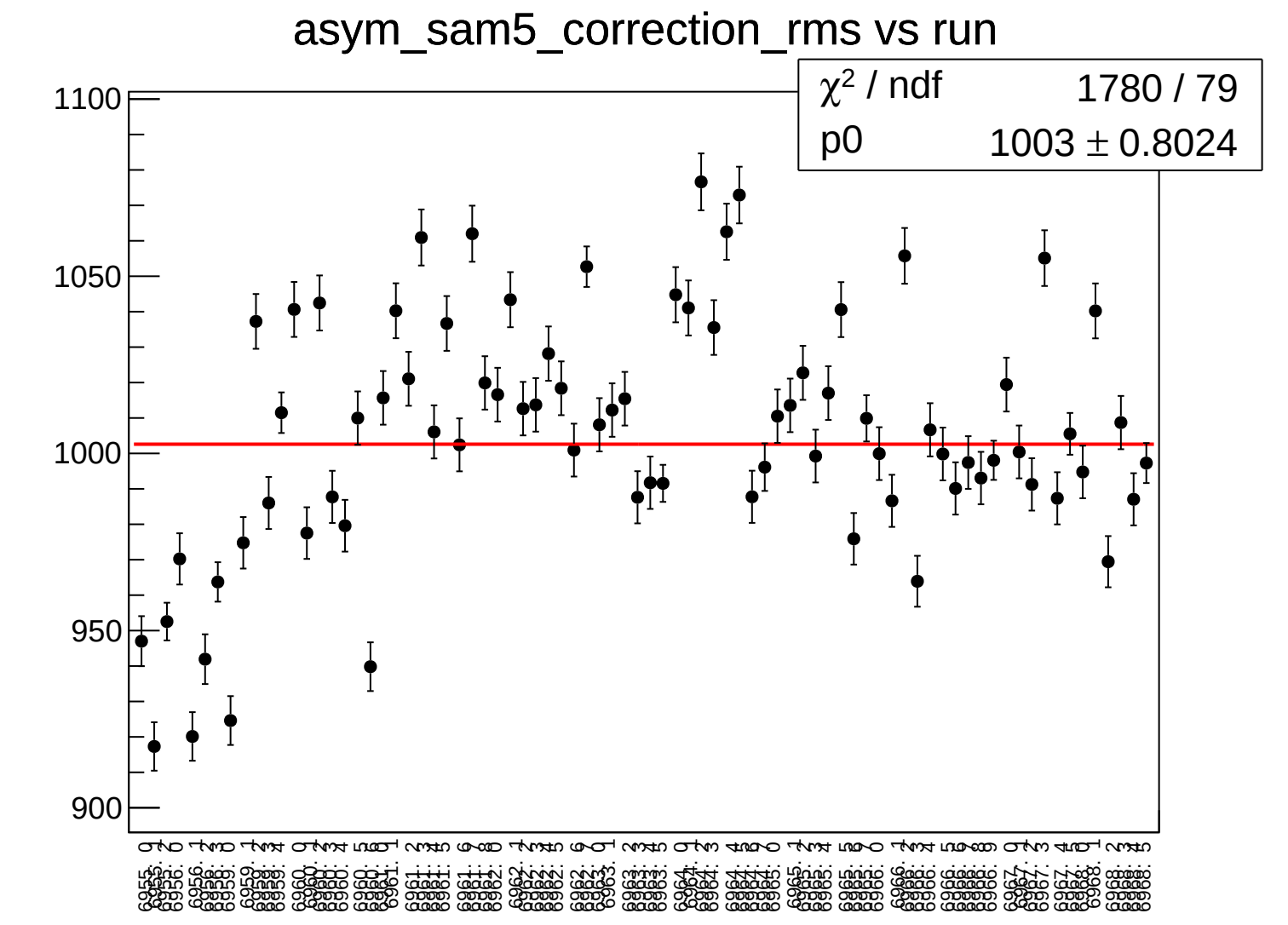

dit_asym_sam5_mean vs run
χ² / ndf 88.41 / 79
p0 −54.41 ± 195.3
pull
Entries 80
Mean −1140
Std Dev 1184

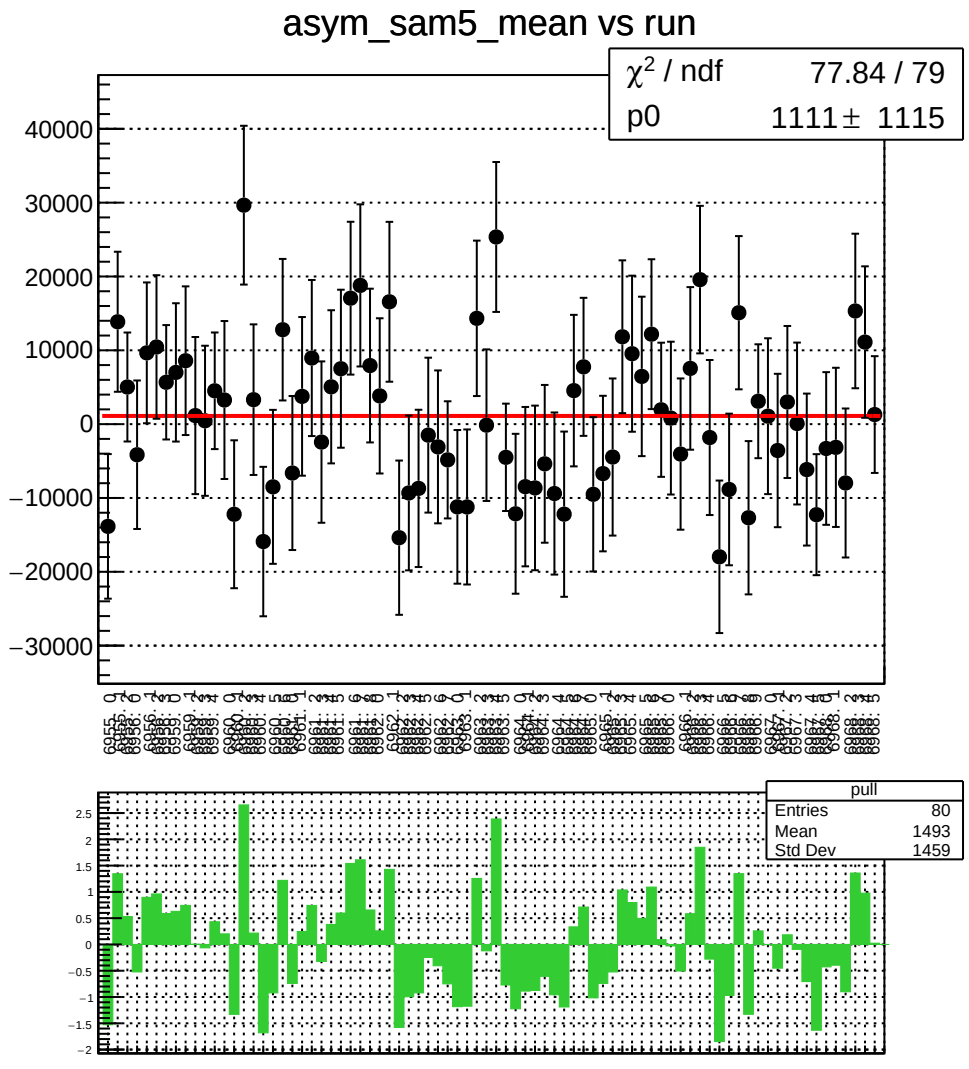

pull1D
Entries 80
Mean −0.00225
Std Dev 1.051

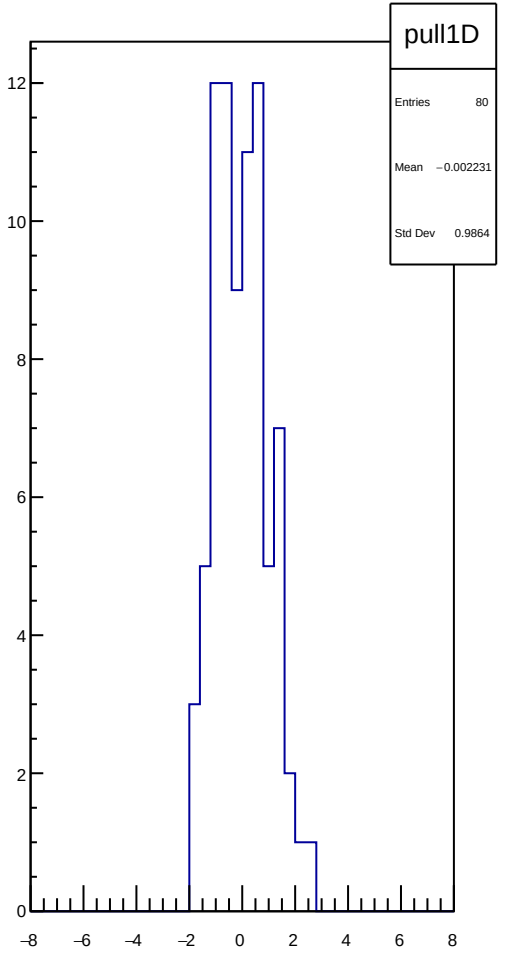

dit_asym_sam5_rms vs run
χ² / ndf 1270 / 79
p0 172.6 ± 0.1381
180
175
170
165
160
155

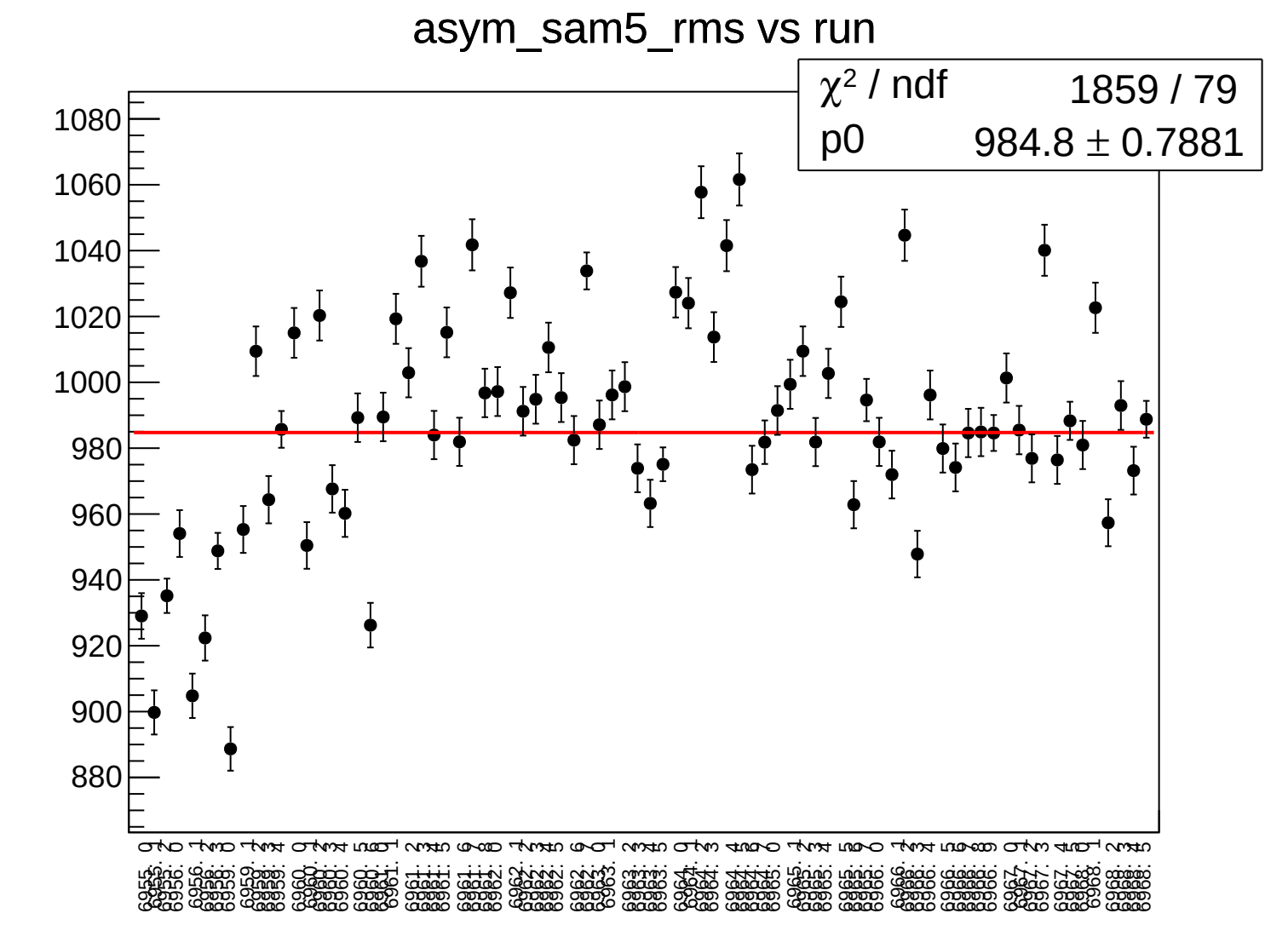

asym_sam5_correction_mean vs run
χ² / ndf 75.72 / 79
p0 −1137 ± 1135
pull
Entries 80
Mean 9362
Std Dev 9327

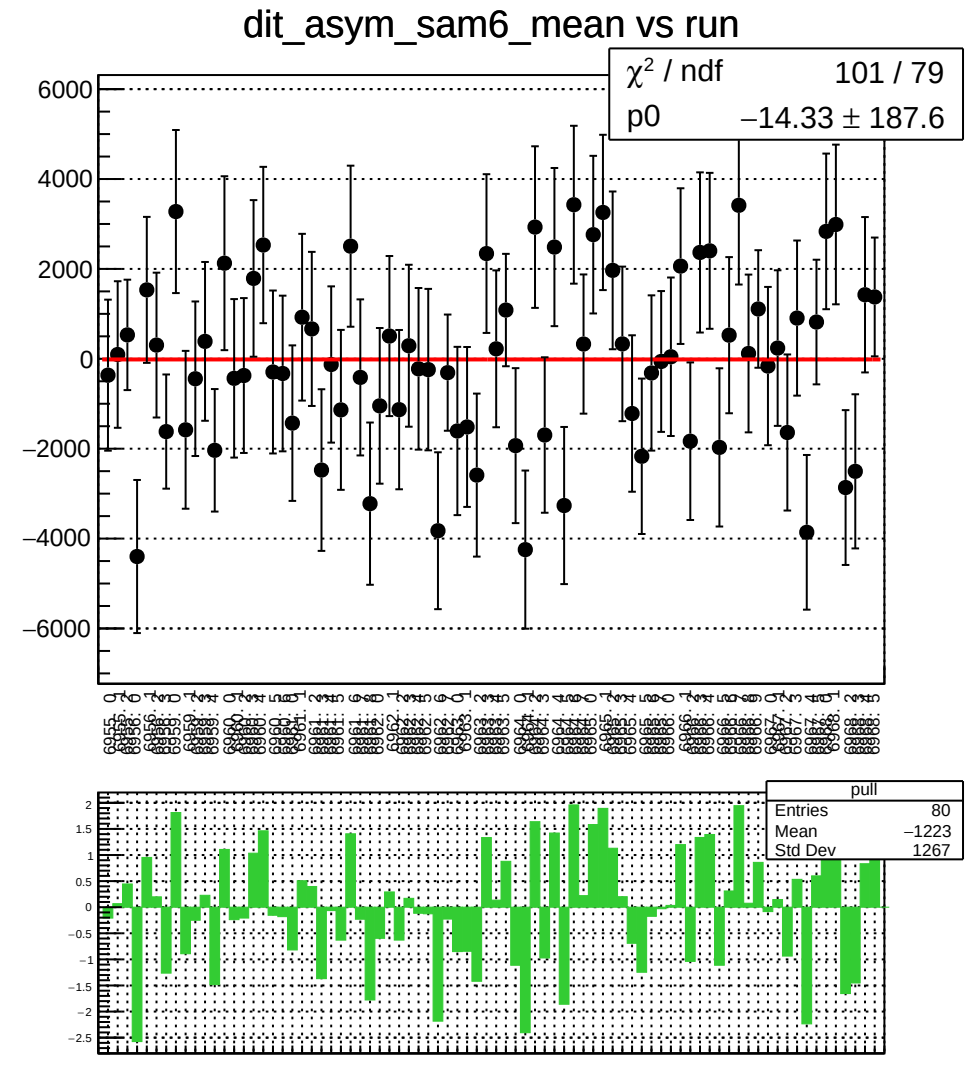

pull1D
Entries 80
Mean 0.0003874
Std Dev 0.9729

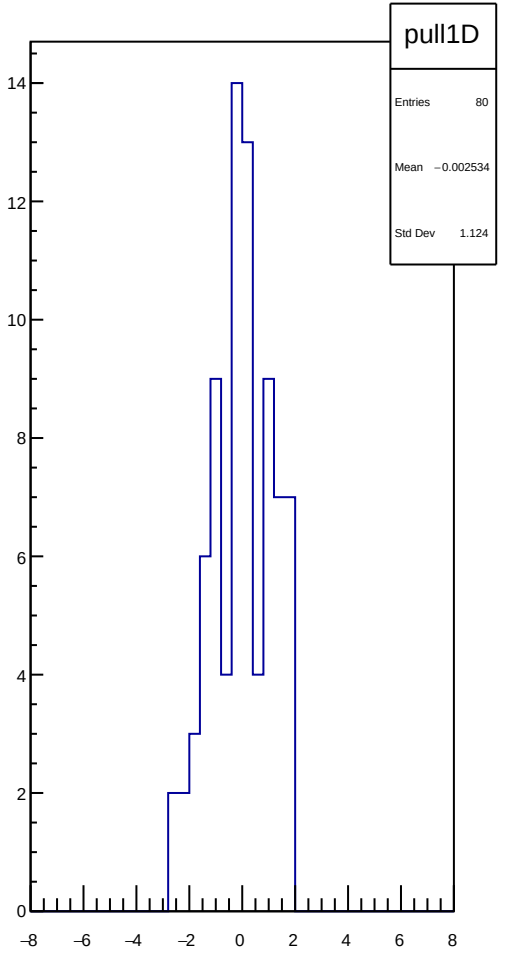

asym_sam5_correction_rms vs run
χ² / ndf 1780 / 79
p0 1003 ± 0.8024
1100
1050
1000
950
900

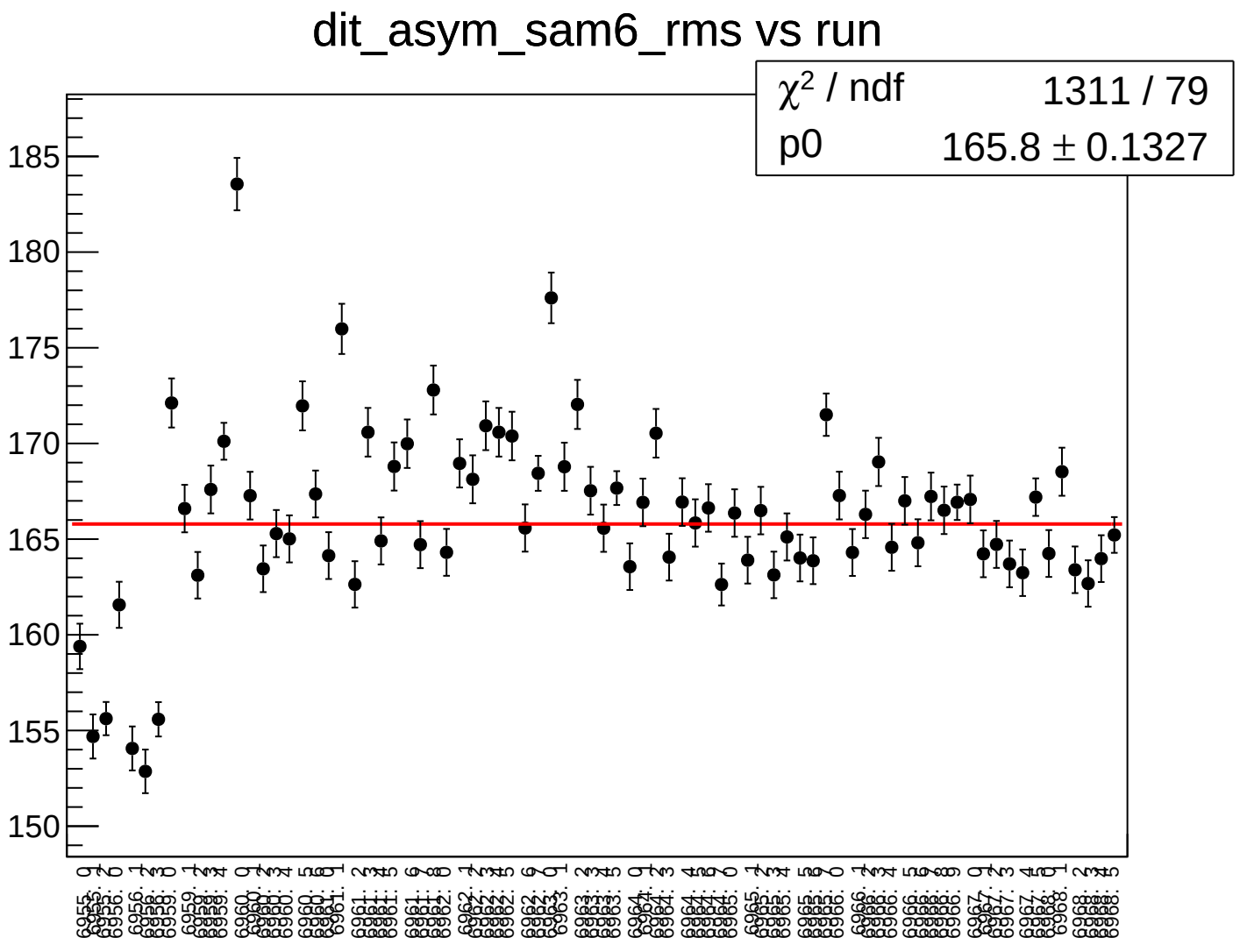

asym_sam5_mean vs run
χ^2 / ndf 77.84 / 79
p0 1111 ± 1115
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 1493
Std Dev 1459
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

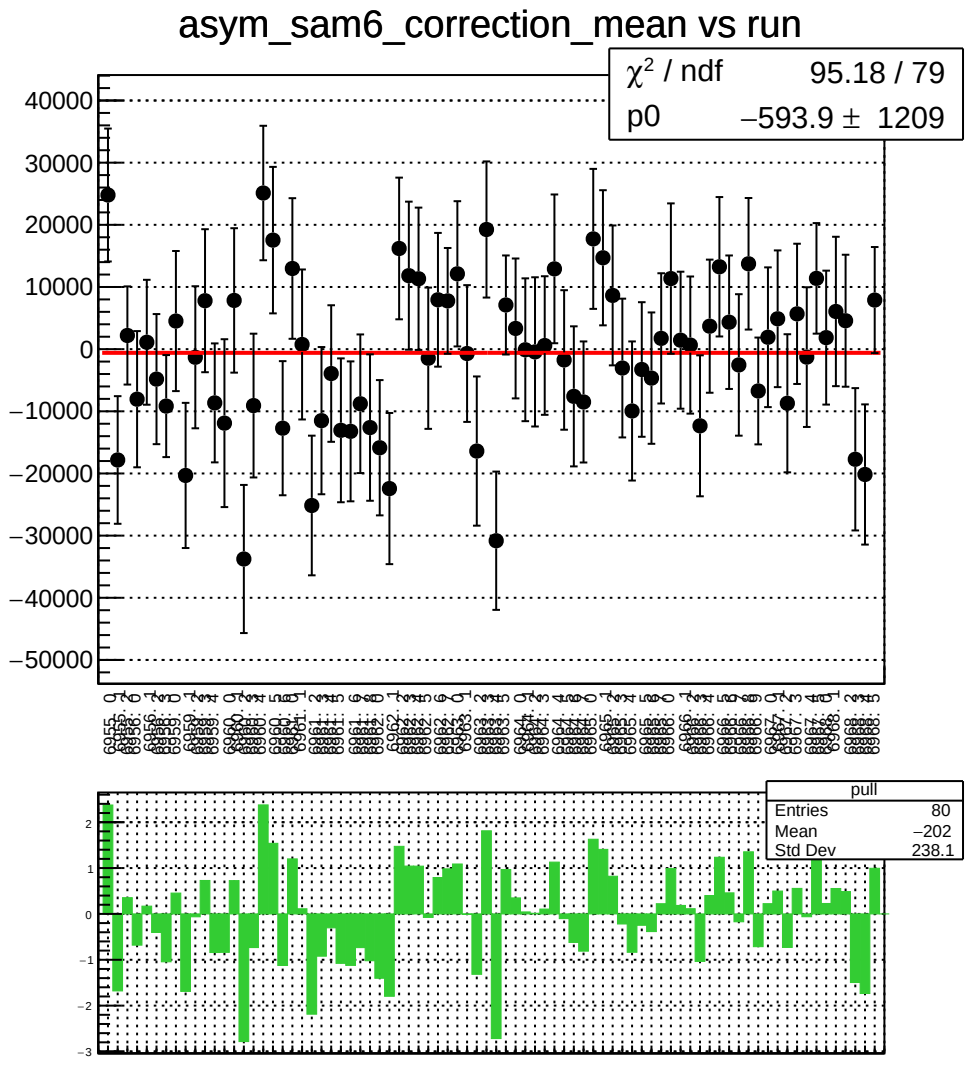

pull1D
Entries 80
Mean −0.002231
Std Dev 0.9864
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

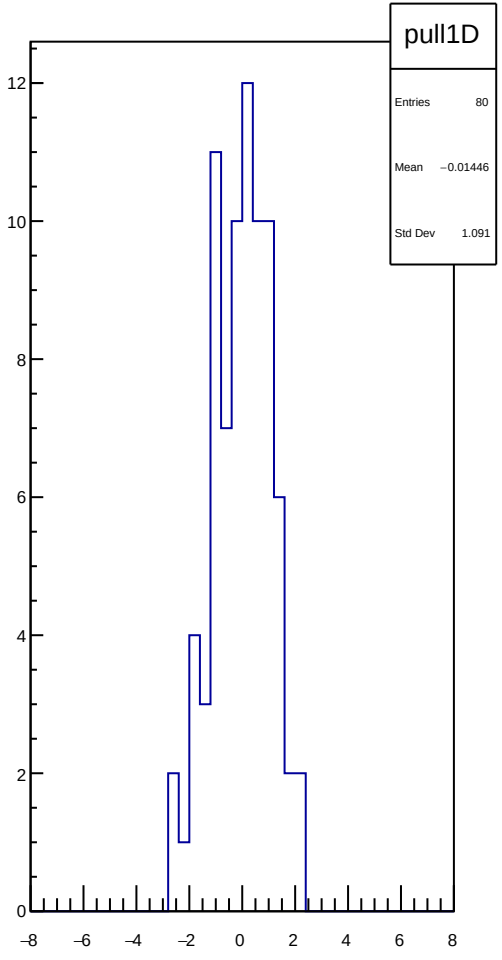

asym_sam5_rms vs run
χ² / ndf 1859 / 79
p0 984.8 ± 0.7881
1080
1060
1040
1020
1000
980
960
940
920
900
880

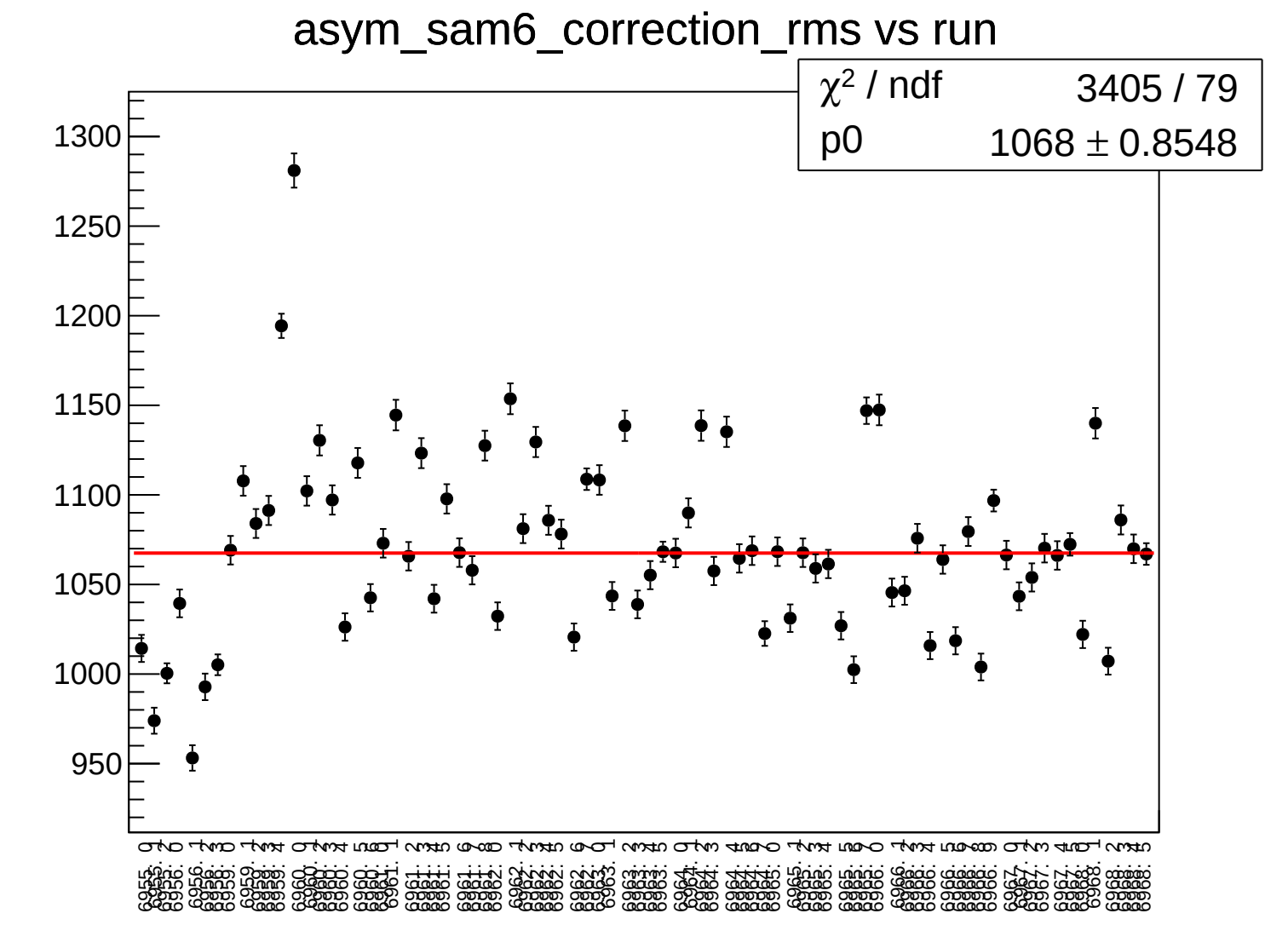

dit_asym_sam6_mean vs run
χ² / ndf 101 / 79
p0 −14.33 ± 187.6
pull
Entries 80
Mean −1223
Std Dev 1267

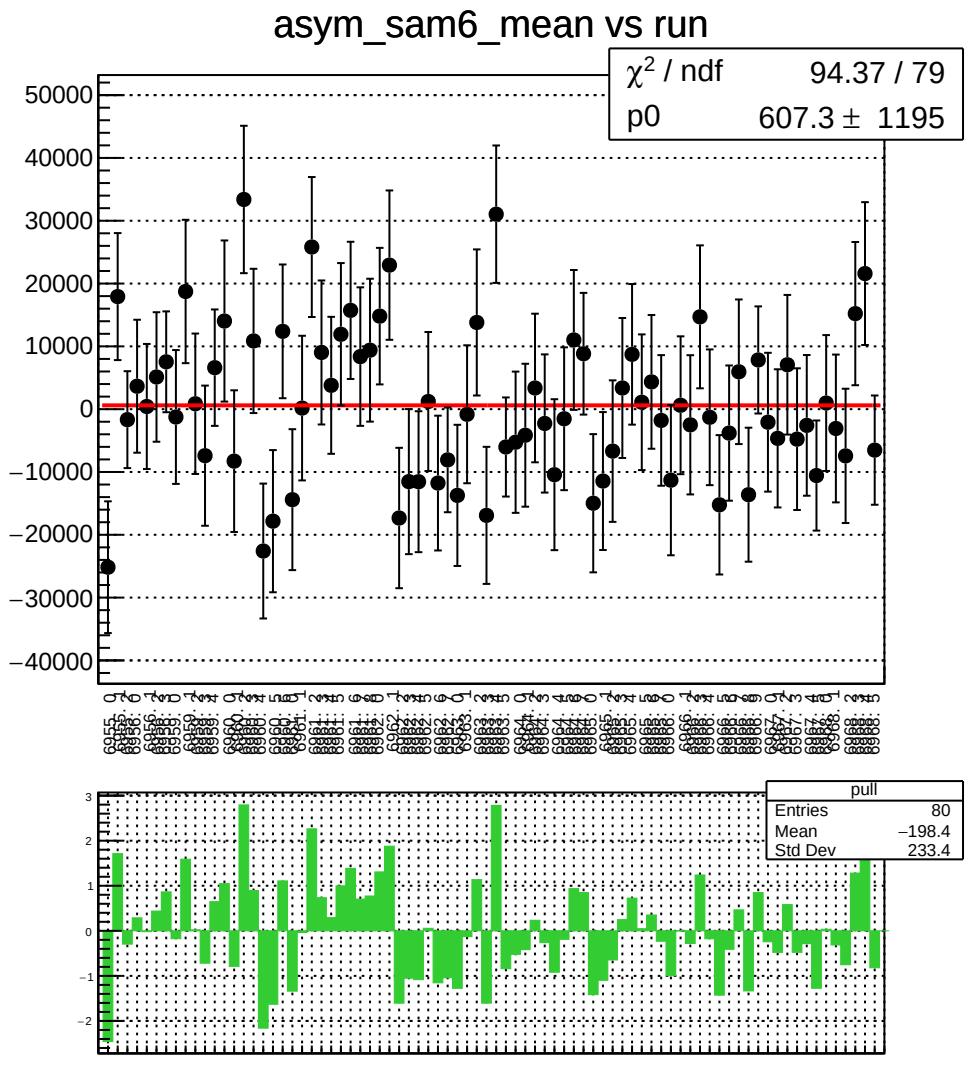

pull1D
Entries 80
Mean −0.002534
Std Dev 1.124

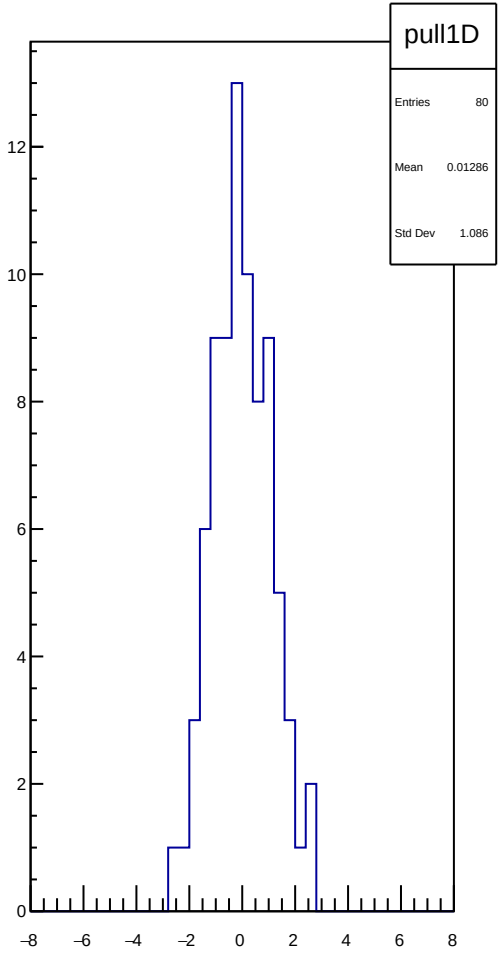

dit_asym_sam6_rms vs run
χ² / ndf 1311 / 79
p0 165.8 ± 0.1327
185
180
175
170
165
160
155
150

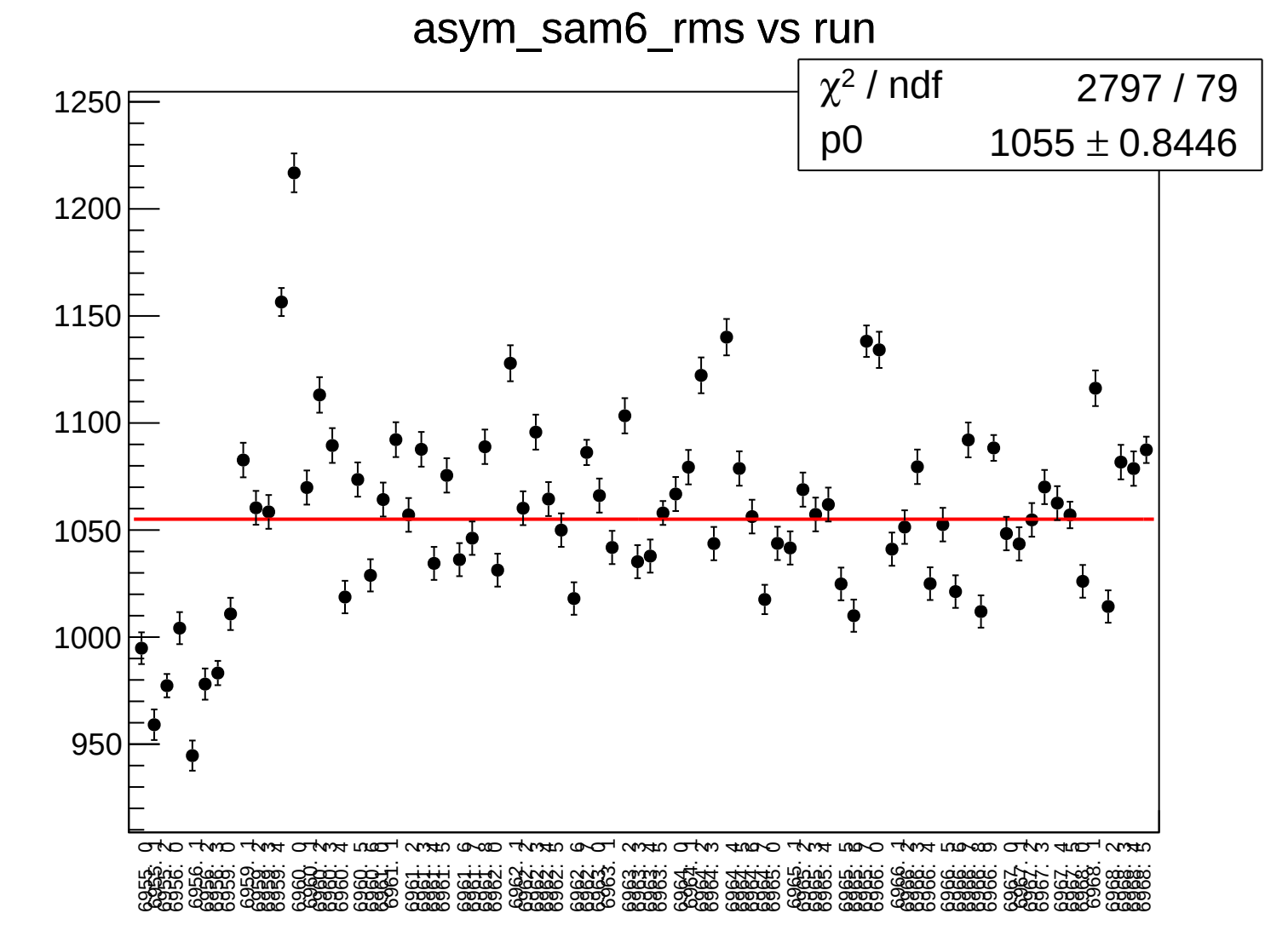

asym_sam6_correction_mean vs run
χ² / ndf 95.18 / 79
p0 −593.9 ± 1209
pull
Entries 80
Mean −202
Std Dev 238.1

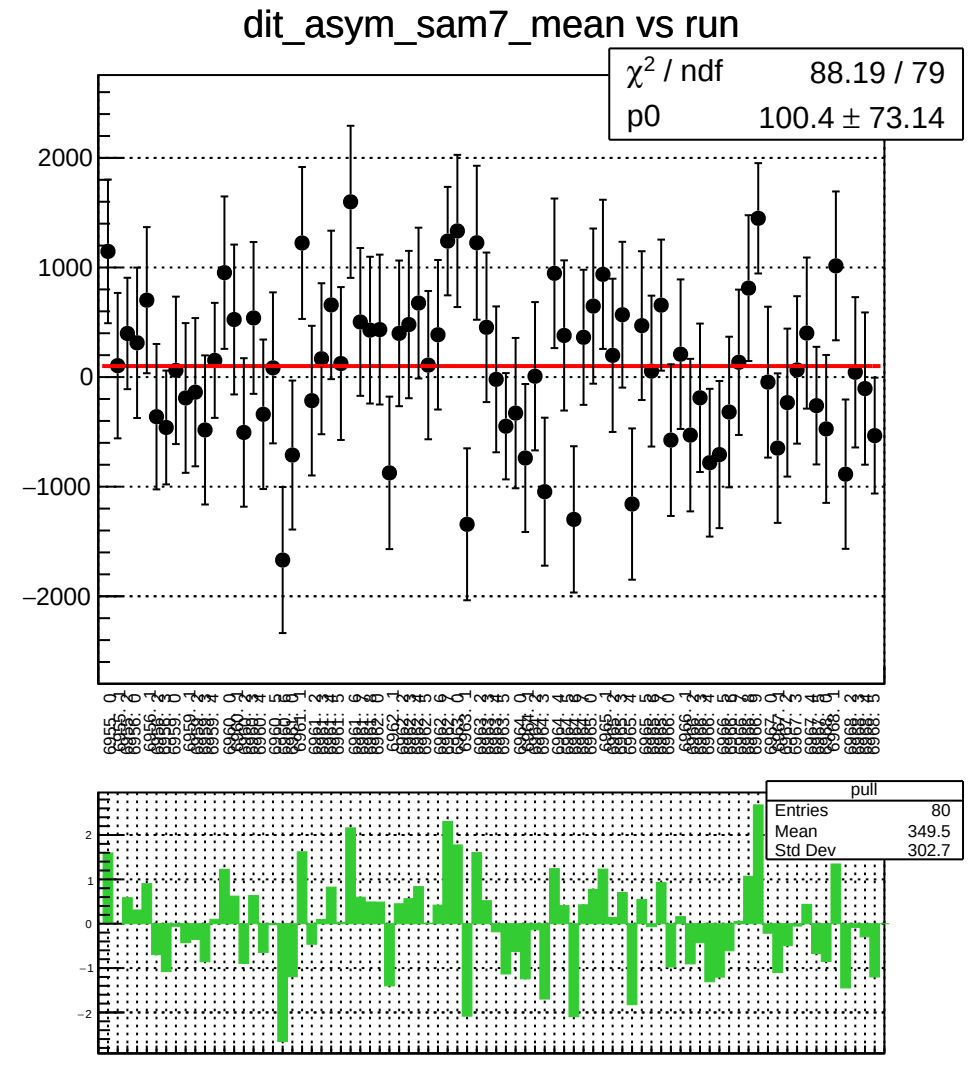

pull1D
Entries 80
Mean −0.01446
Std Dev 1.091

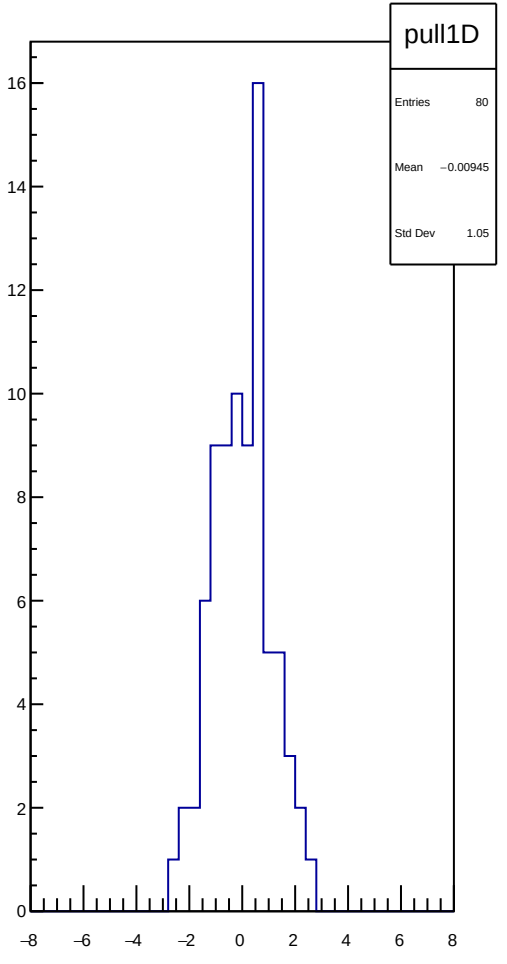

asym_sam6_correction_rms vs run
χ² / ndf 3405 / 79
p0 1068 ± 0.8548
1300
1250
1200
1150
1100
1050
1000
950

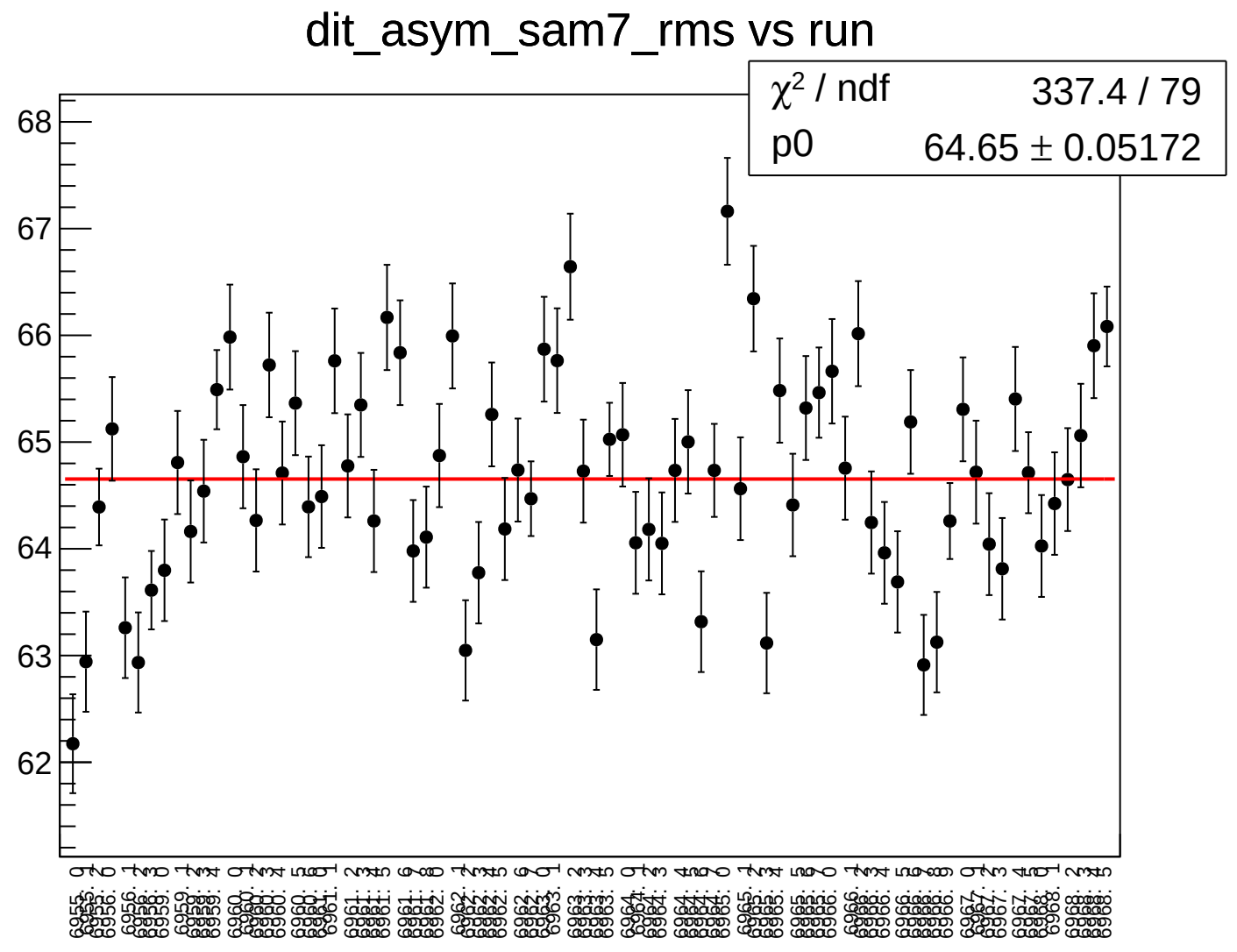

asym_sam6_mean vs run
χ² / ndf 94.37 / 79
p0 607.3 ± 1195
pull
Entries 80
Mean −198.4
Std Dev 233.4

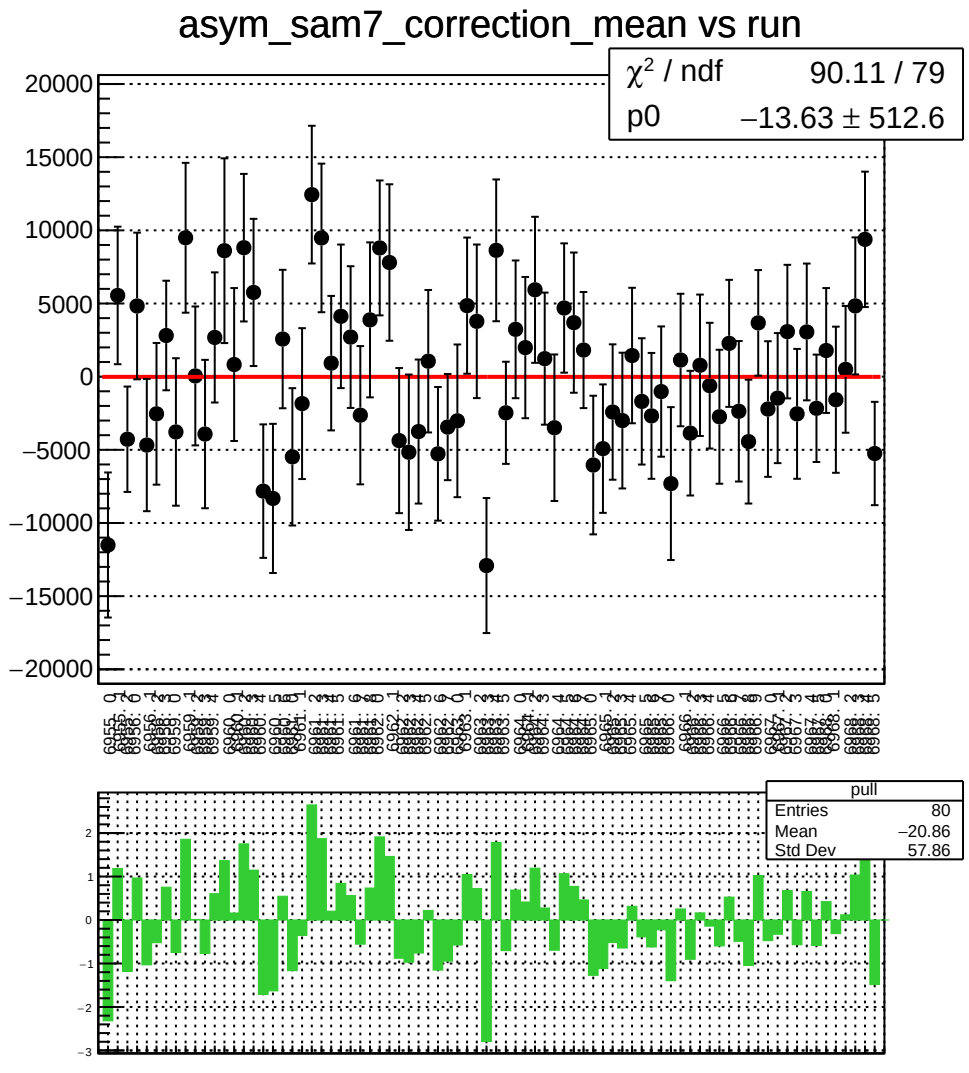

pull1D
Entries 80
Mean 0.01286
Std Dev 1.086

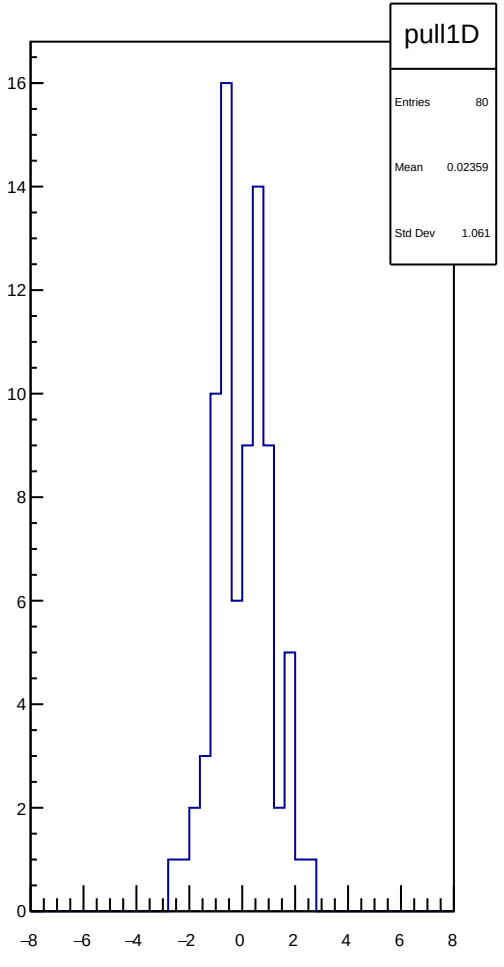

asym_sam6_rms vs run
χ² / ndf 2797 / 79
p0 1055 ± 0.8446
1250
1200
1150
1100
1050
1000
950

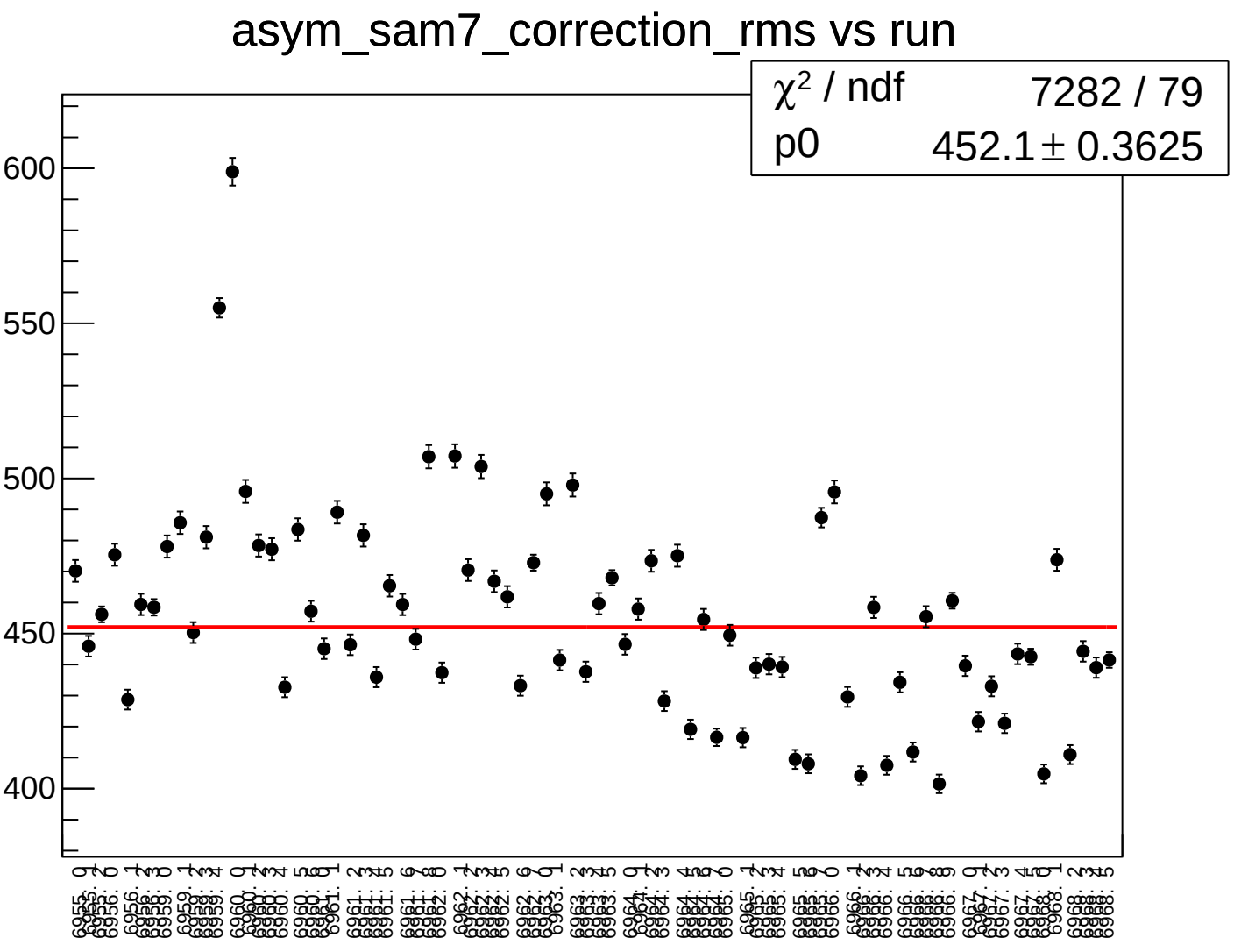

dit_asym_sam7_mean vs run
χ² / ndf 88.19 / 79
p0 100.4 ± 73.14
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 349.5
Std Dev 302.7
2
1
0
−1
−2

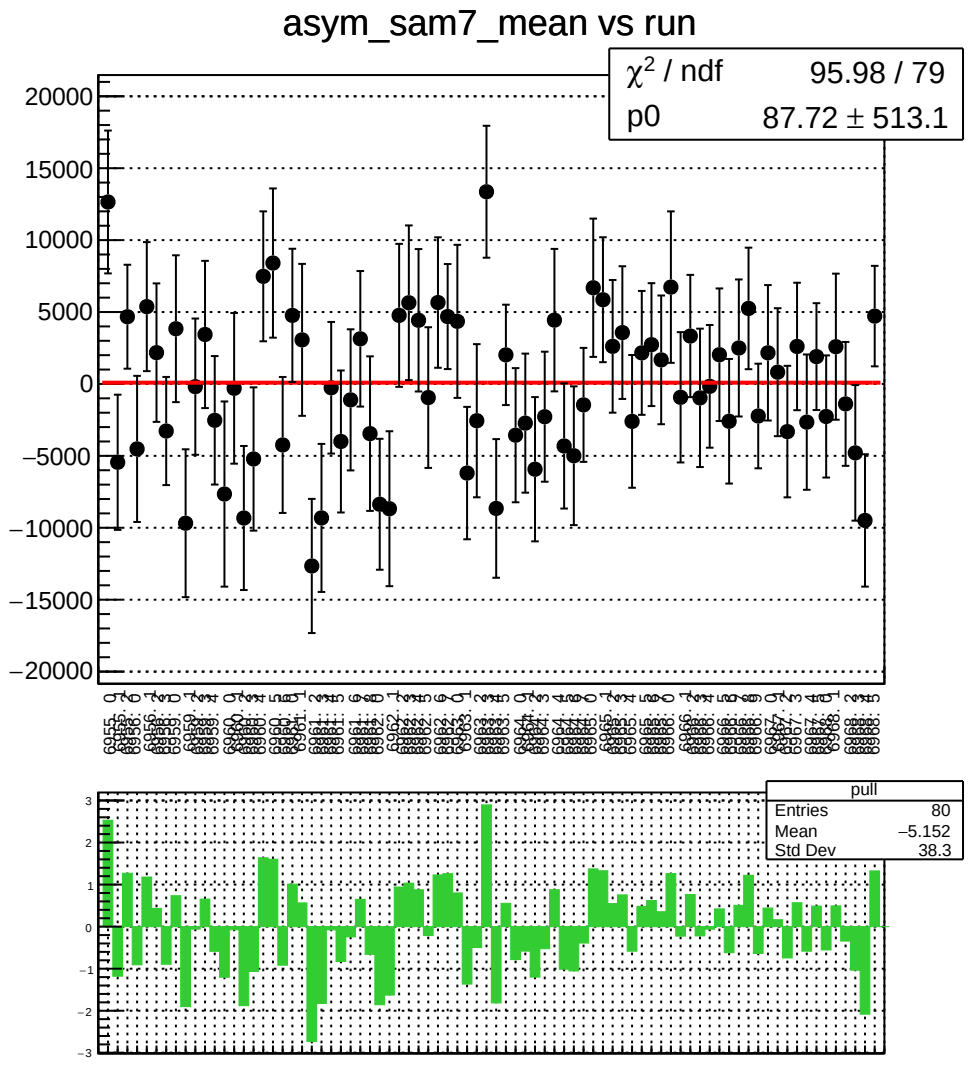

pull1D
Entries 80
Mean −0.00945
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

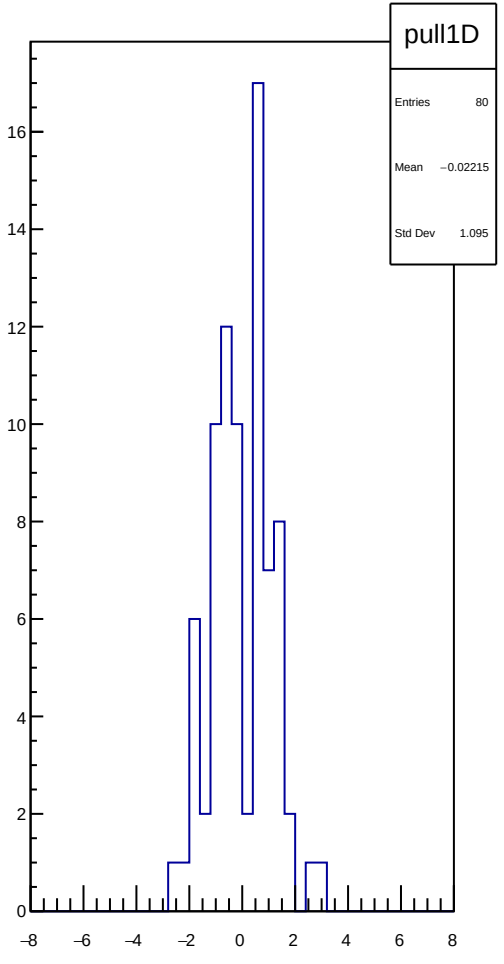

dit_asym_sam7_rms vs run
χ^2 / ndf 337.4 / 79
p0 64.65 ± 0.05172
68
67
66
65
64
63
62

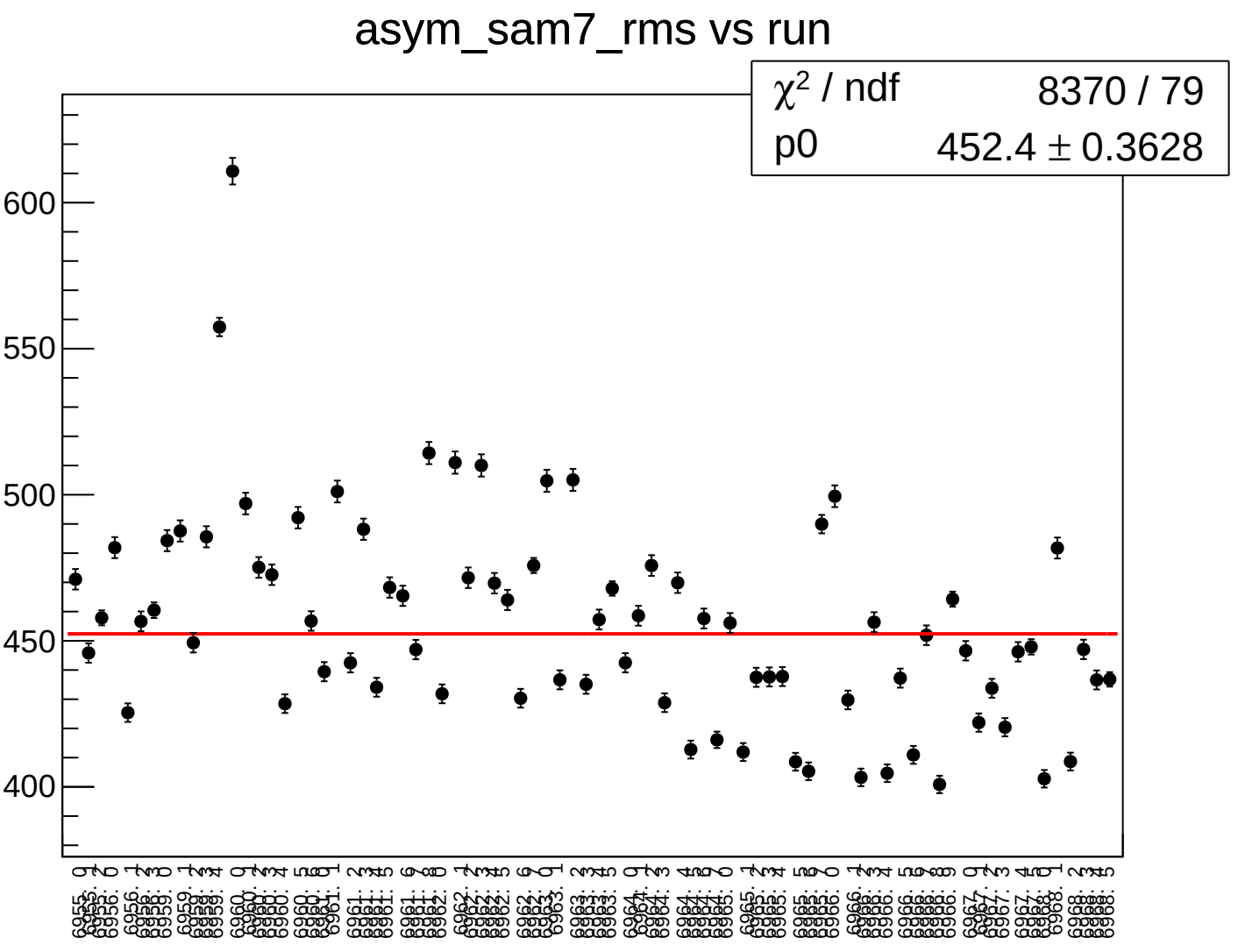

asym_sam7_correction_mean vs run
χ² / ndf 90.11 / 79
p0 −13.63 ± 512.6
pull
Entries 80
Mean −20.86
Std Dev 57.86

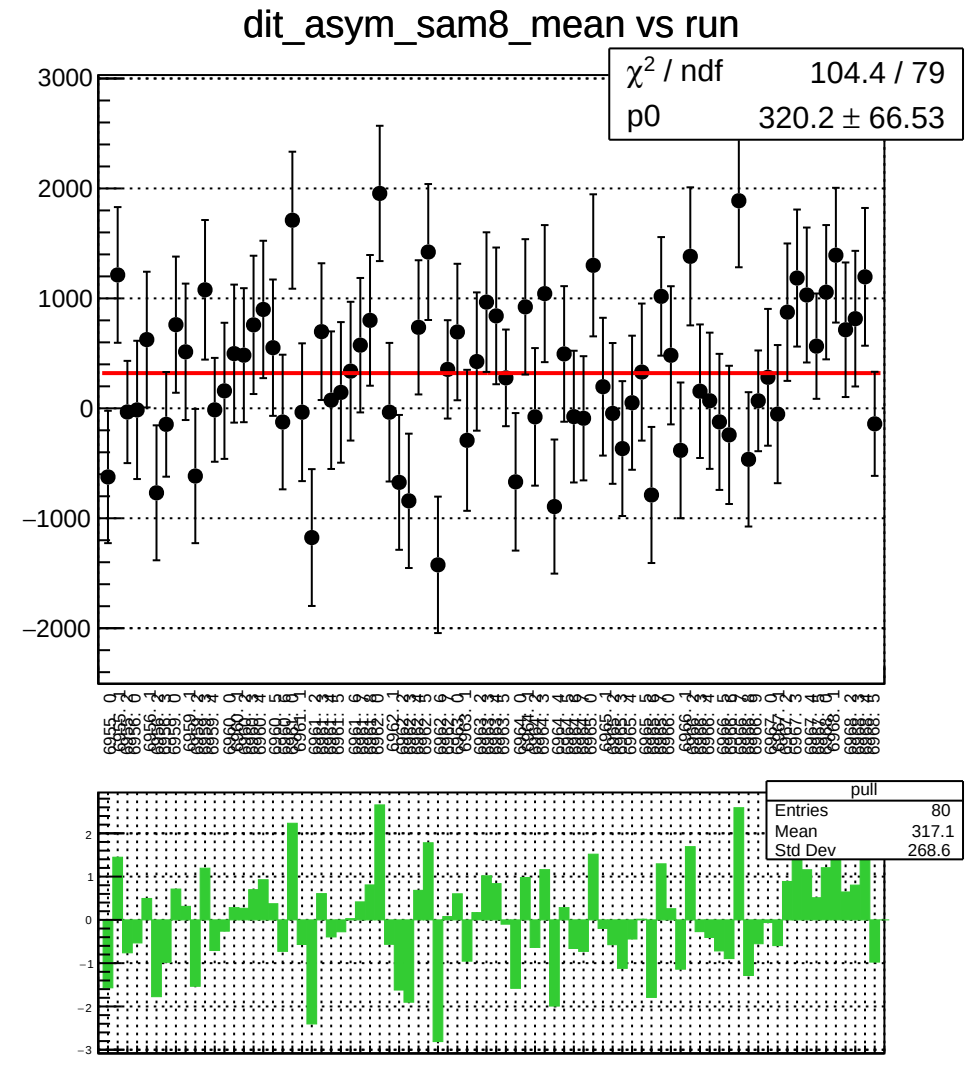

pull1D
Entries 80
Mean 0.02359
Std Dev 1.061

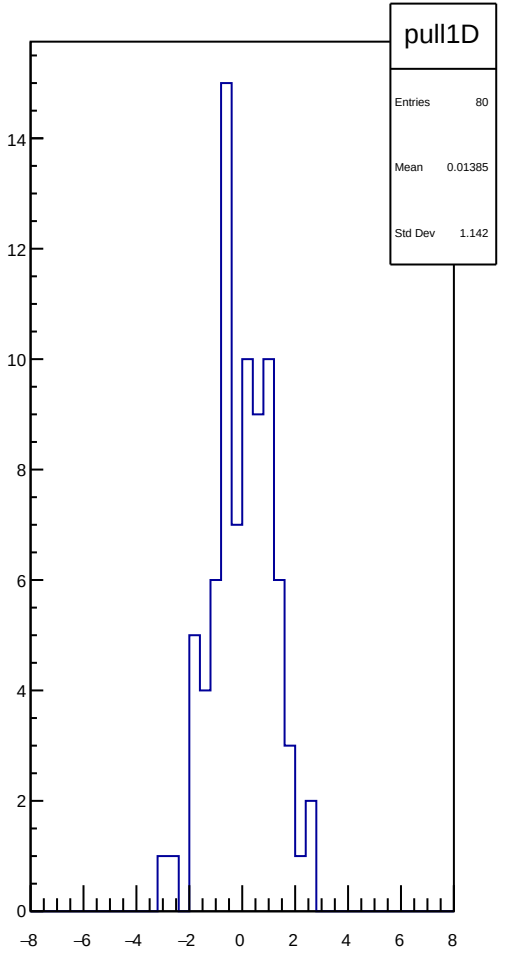

asym_sam7_correction_rms vs run
χ² / ndf 7282 / 79
p0 452.1 ± 0.3625
600
550
500
450
400

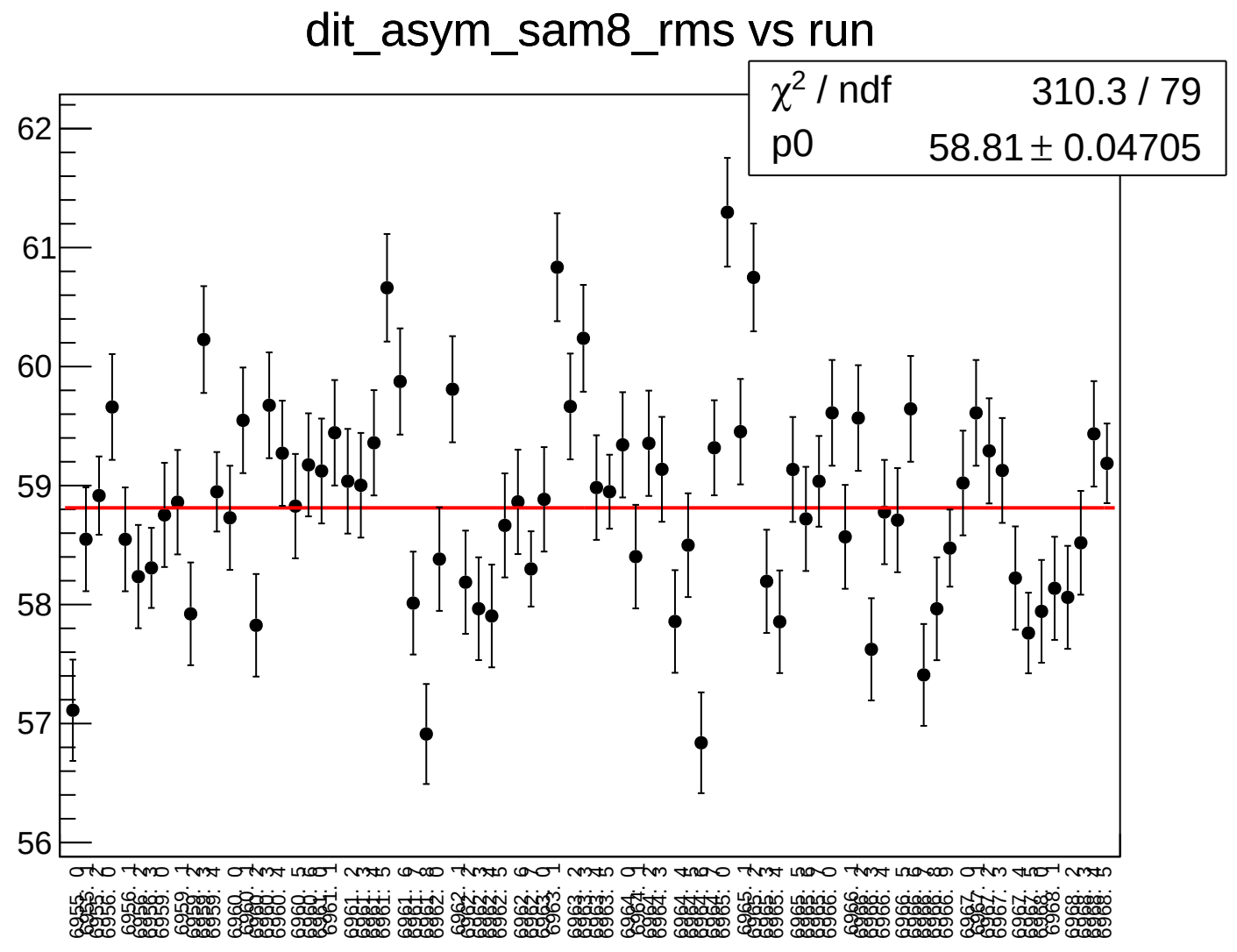

asym_sam7_mean vs run
χ² / ndf 95.98 / 79
p0 87.72 ± 513.1
pull
Entries 80
Mean −5.152
Std Dev 38.3

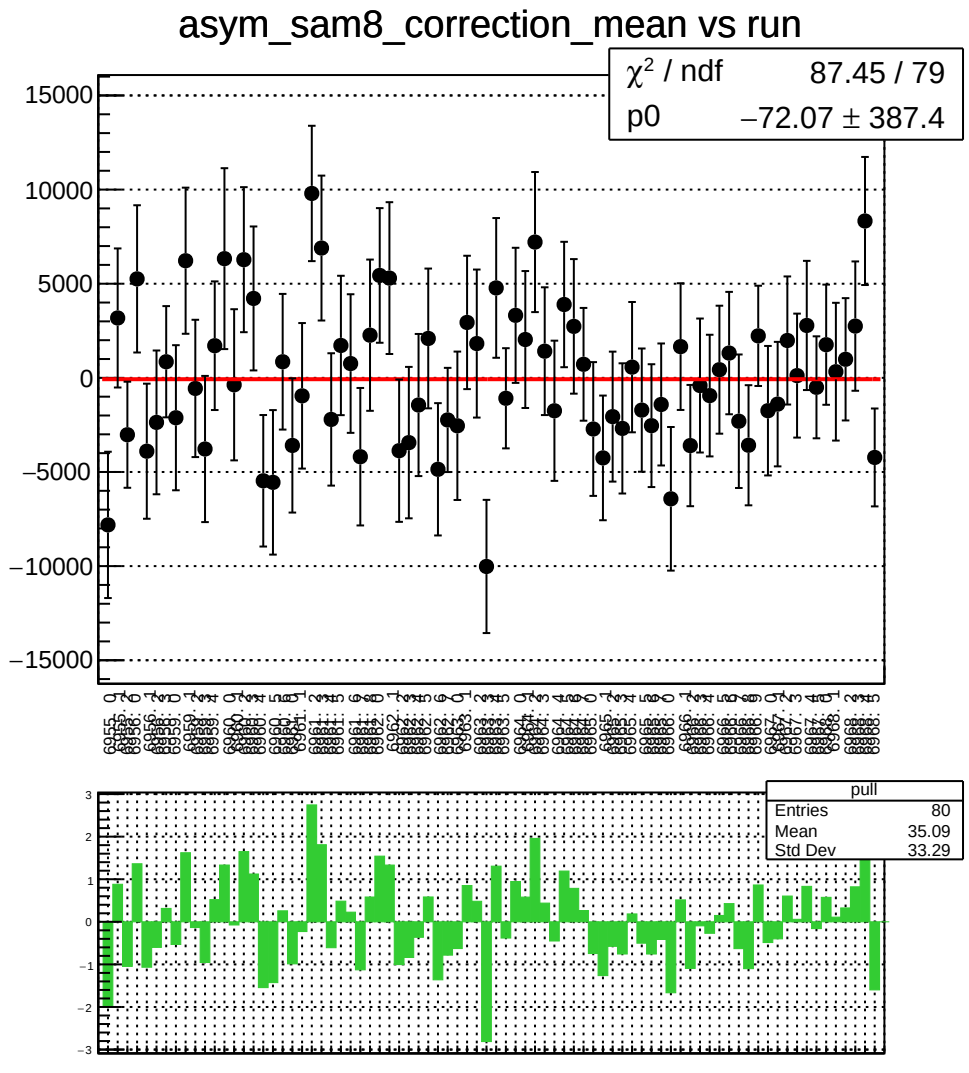

pull1D
Entries 80
Mean −0.02215
Std Dev 1.095

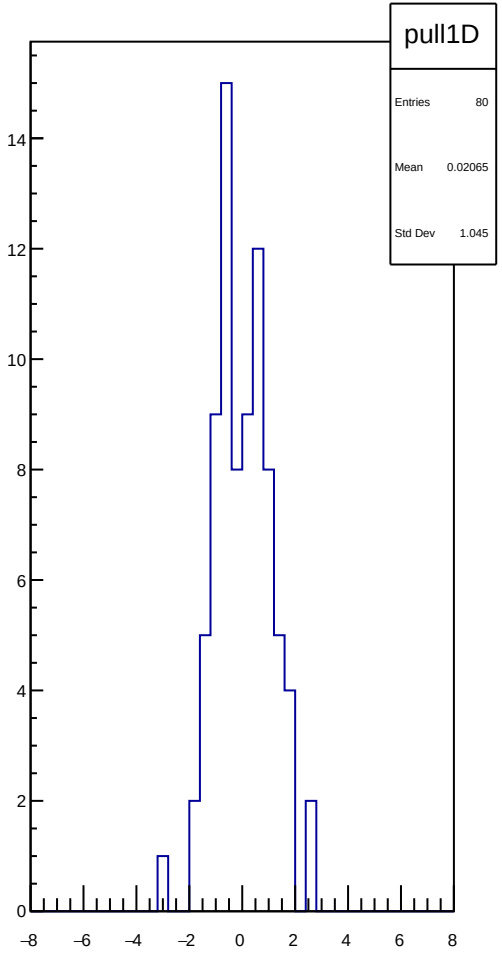

asym_sam7_rms vs run
χ^2 / ndf 8370 / 79
p0 452.4 ± 0.3628
600
550
500
450
400

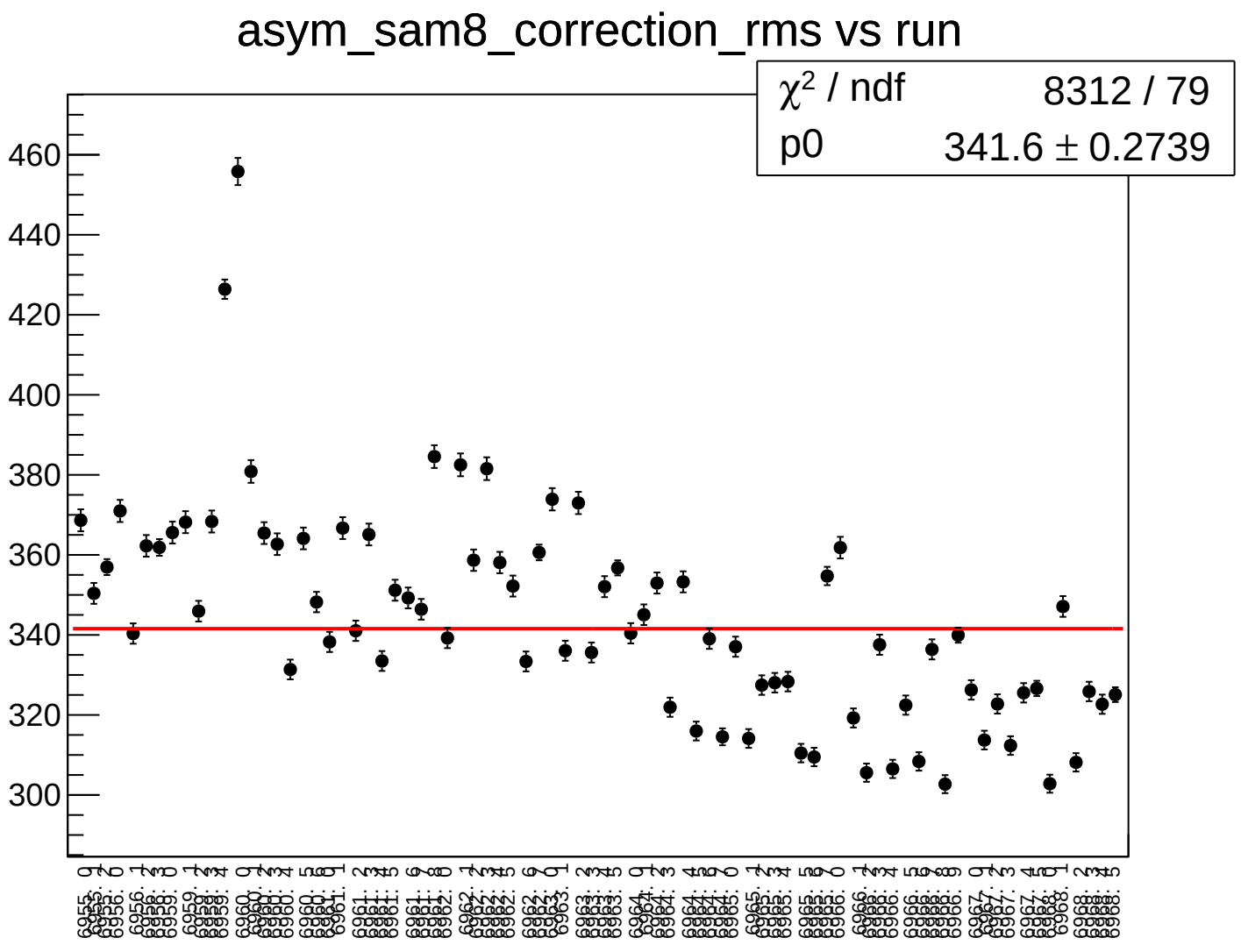

dit_asym_sam8_mean vs run
χ² / ndf 104.4 / 79
p0 320.2 ± 66.53
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 317.1
Std Dev 268.6
2
1
0
−1
−2
−3

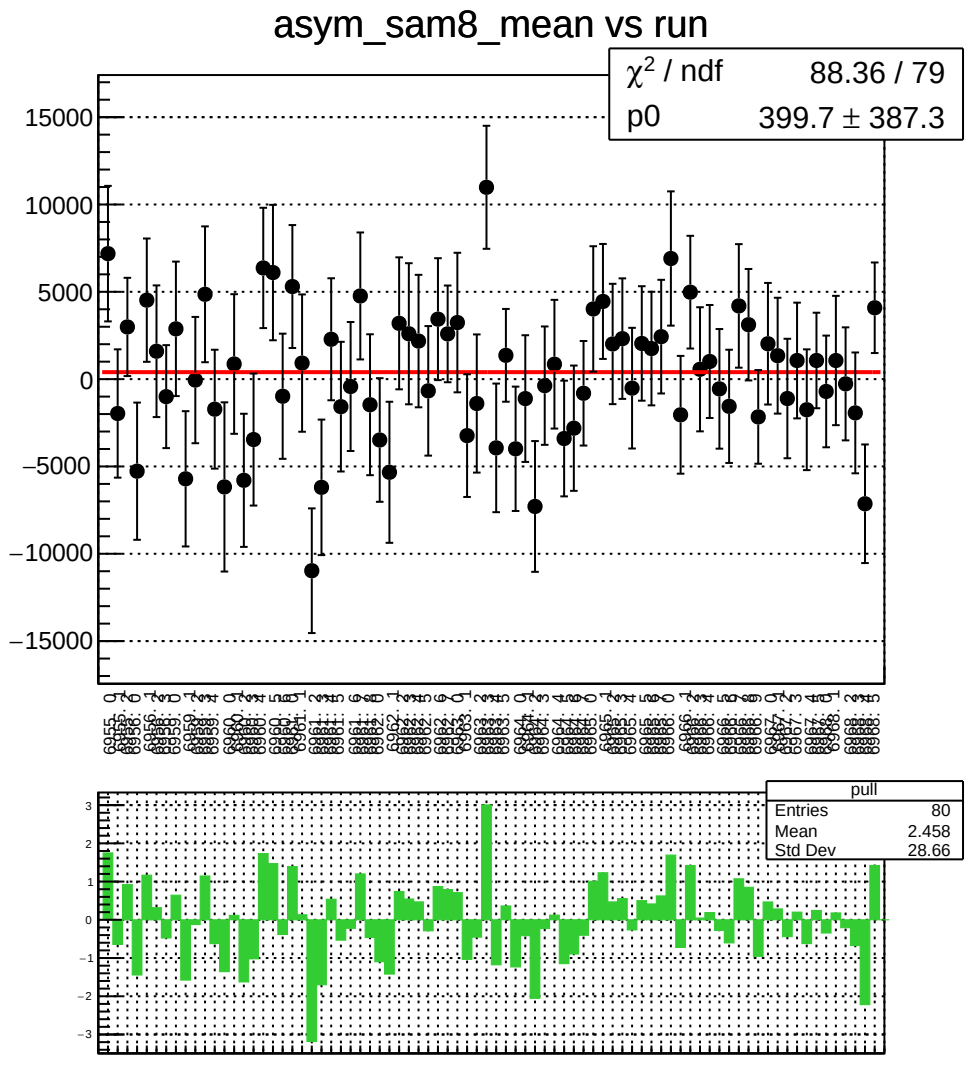

pull1D
Entries 80
Mean 0.01385
Std Dev 1.142
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

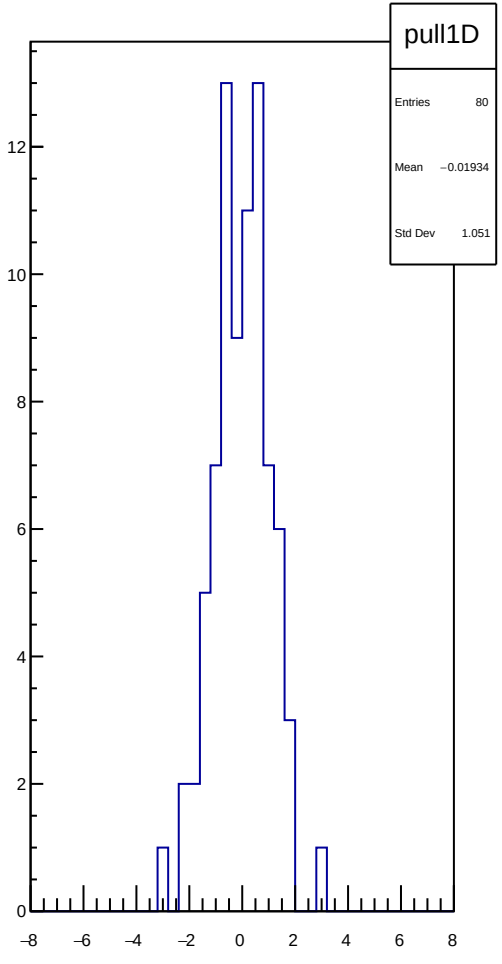

dit_asym_sam8_rms vs run
χ^2 / ndf 310.3 / 79
p0 58.81 ± 0.04705
62
61
60
59
58
57
56

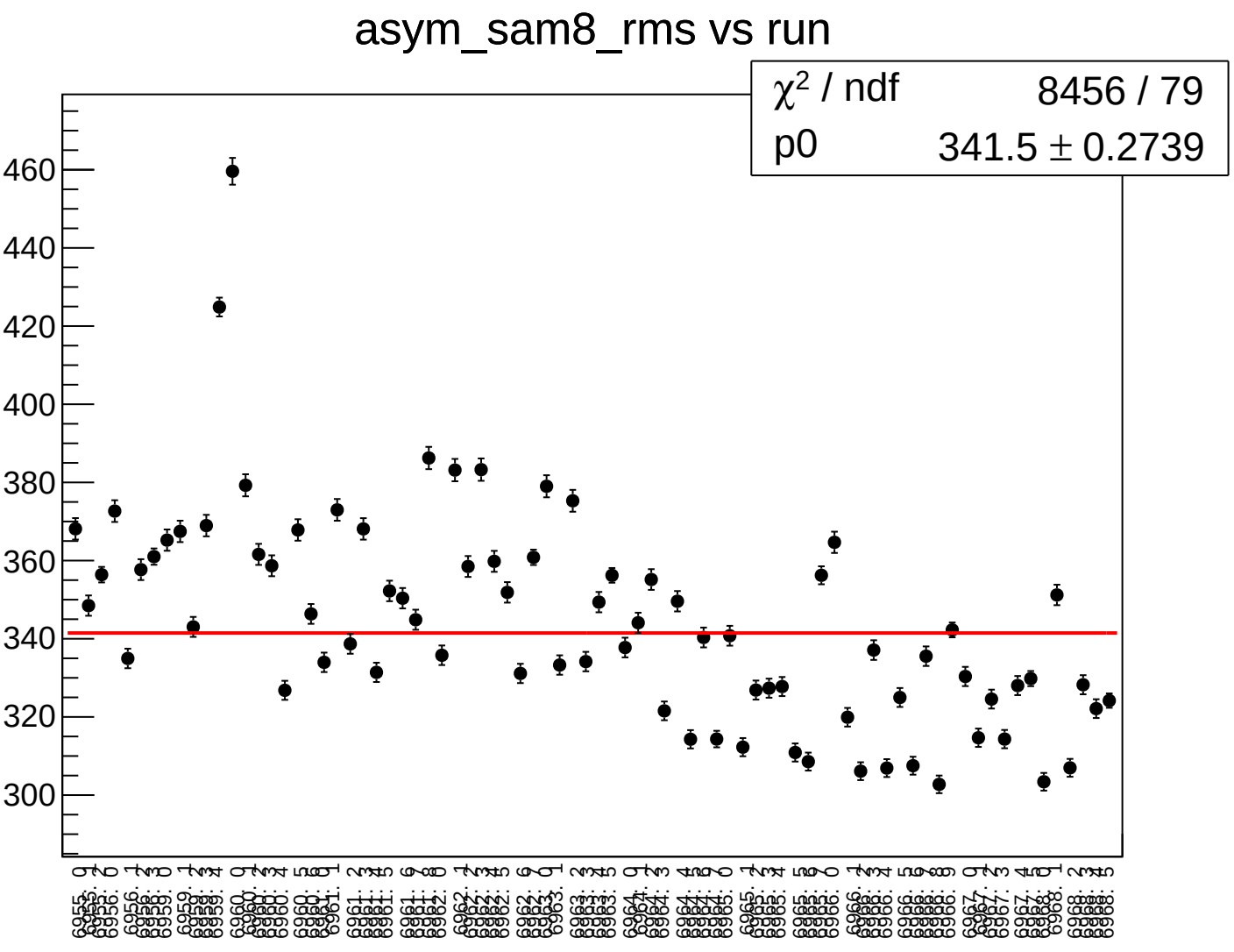

asym_sam8_correction_mean vs run
χ² / ndf 87.45 / 79
p0 −72.07 ± 387.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 35.09
Std Dev 33.29
3
2
1
0
−1
−2
−3

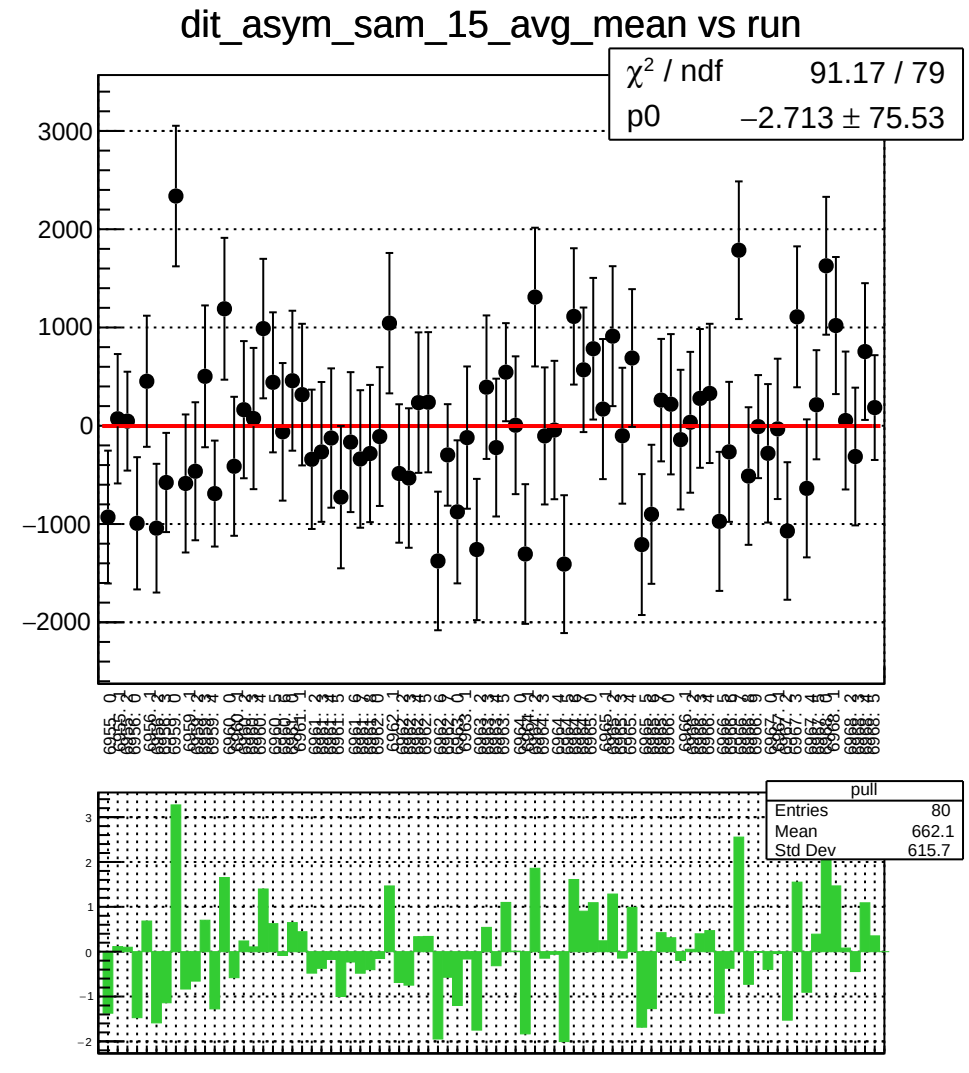

pull1D
Entries 80
Mean 0.02065
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

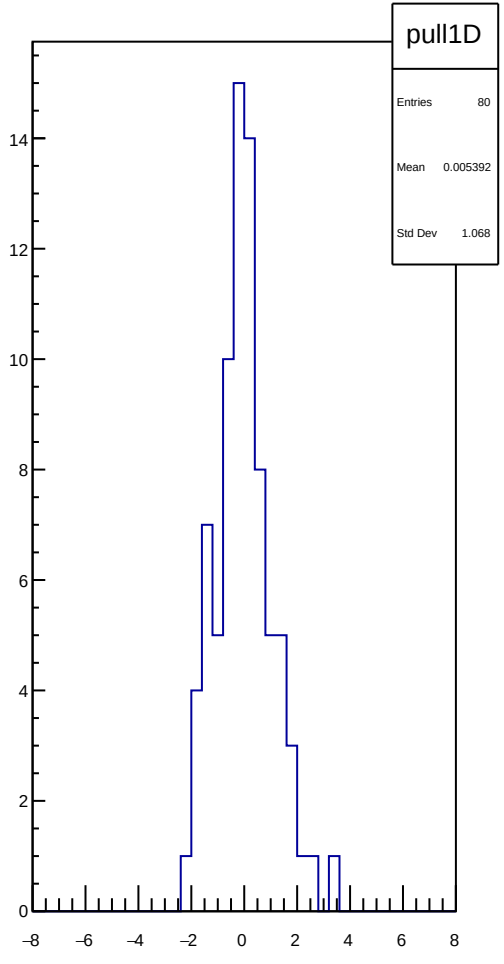

asym_sam8_correction_rms vs run
χ² / ndf 8312 / 79
p0 341.6 ± 0.2739
460
440
420
400
380
360
340
320
300

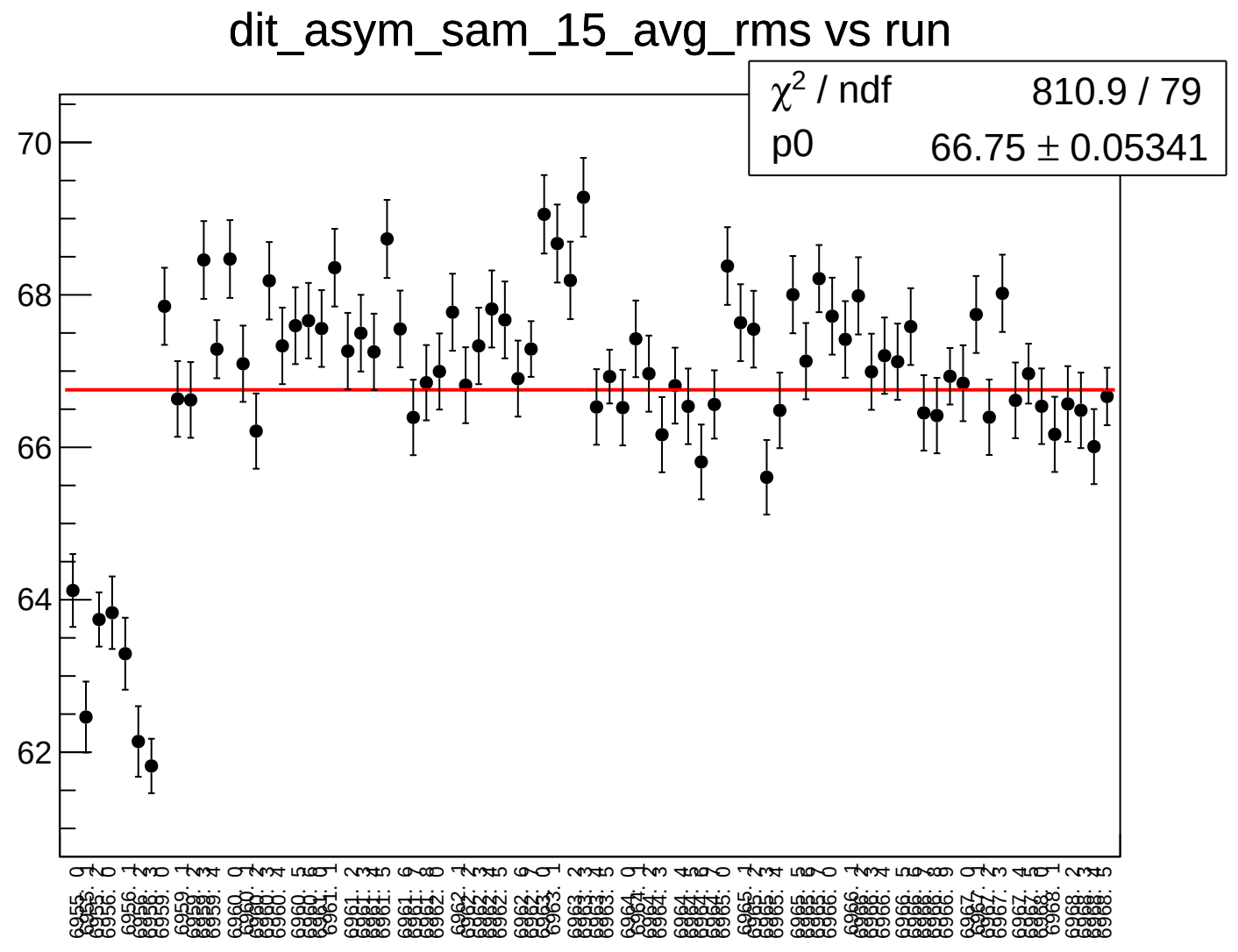

asym_sam8_mean vs run
χ² / ndf 88.36 / 79
p0 399.7 ± 387.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 2.458
Std Dev 28.66
3
2
1
0
−1
−2
−3

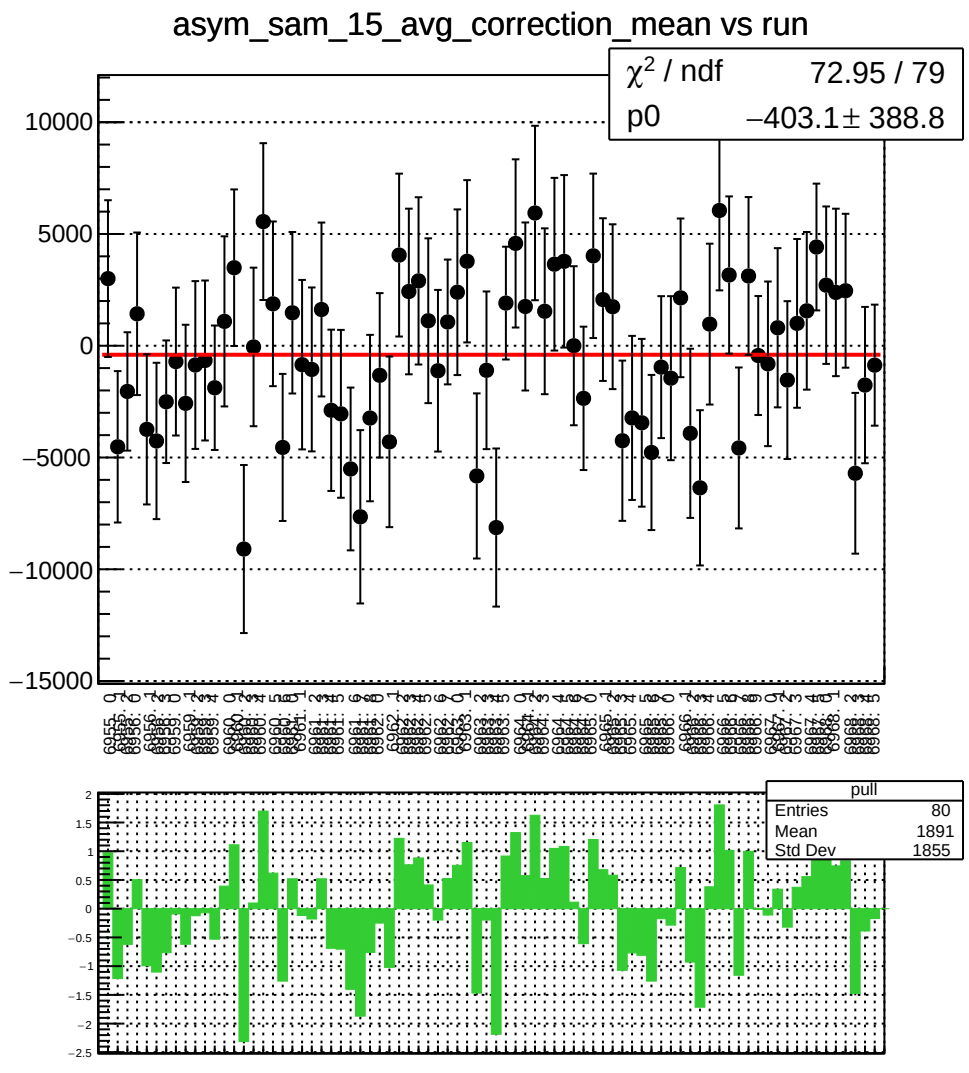

pull1D
Entries 80
Mean −0.01934
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

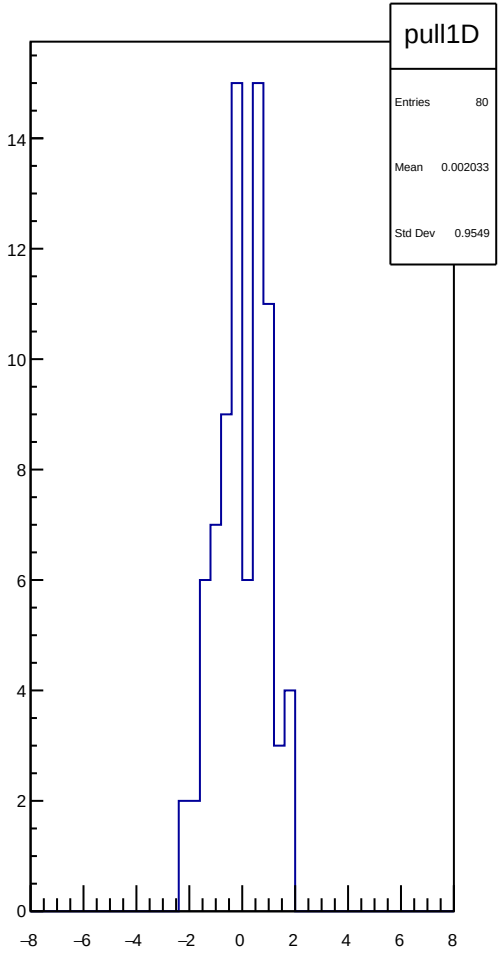

asym_sam8_rms vs run
χ² / ndf 8456 / 79
p0 341.5 ± 0.2739
460
440
420
400
380
360
340
320
300

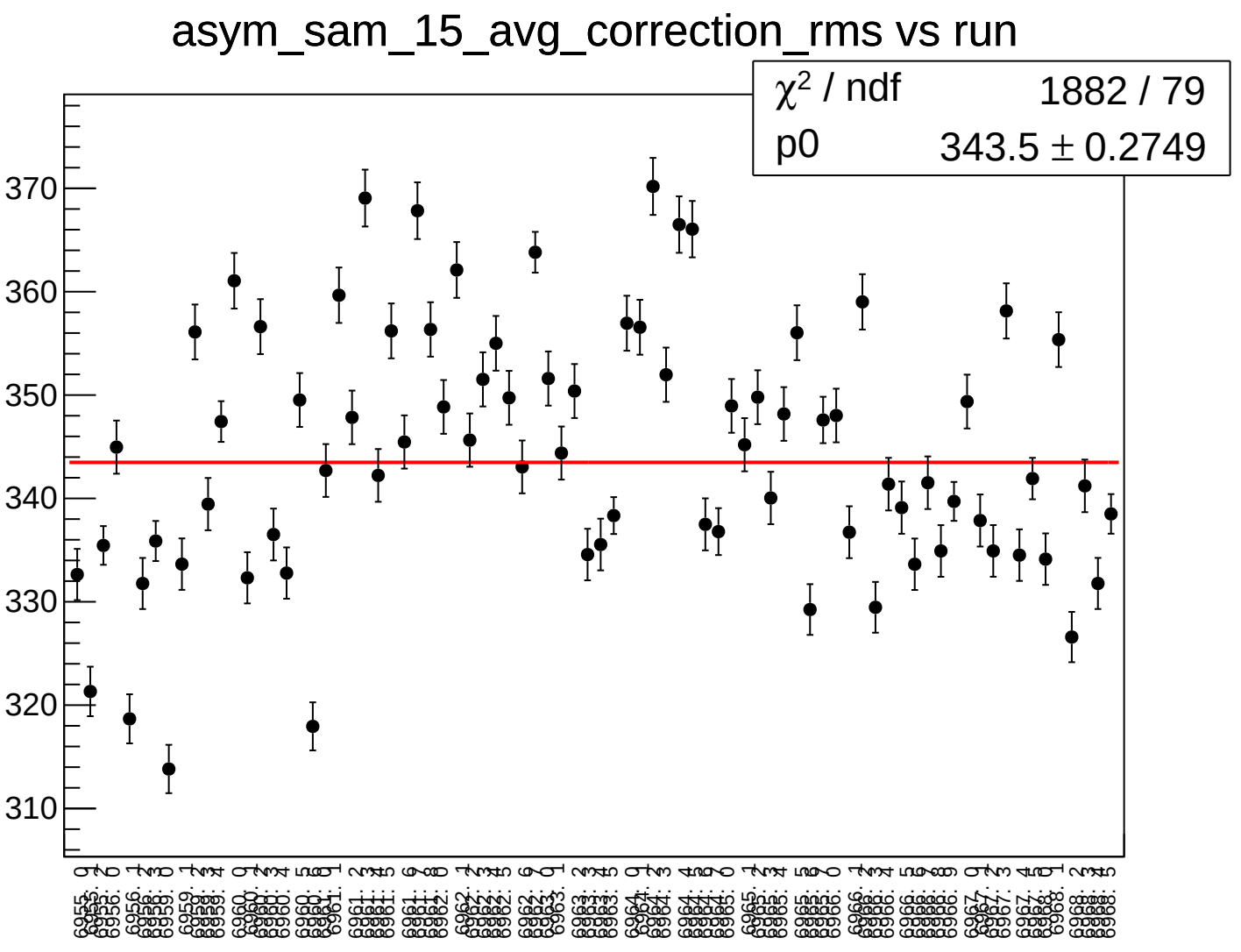

dit_asym_sam_15_avg_mean vs run
χ² / ndf 91.17 / 79
p0 −2.713 ± 75.53
pull
Entries 80
Mean 662.1
Std Dev 615.7

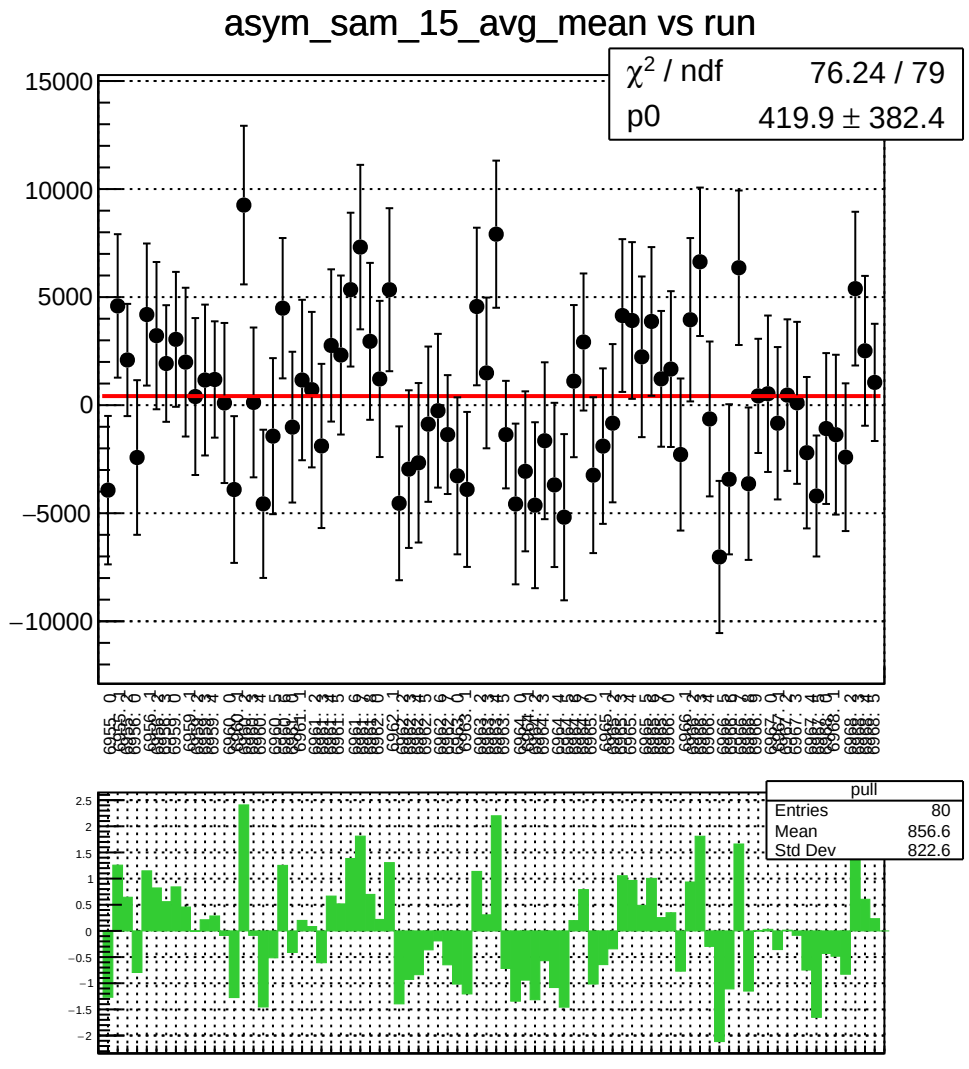

pull1D
Entries 80
Mean 0.005392
Std Dev 1.068

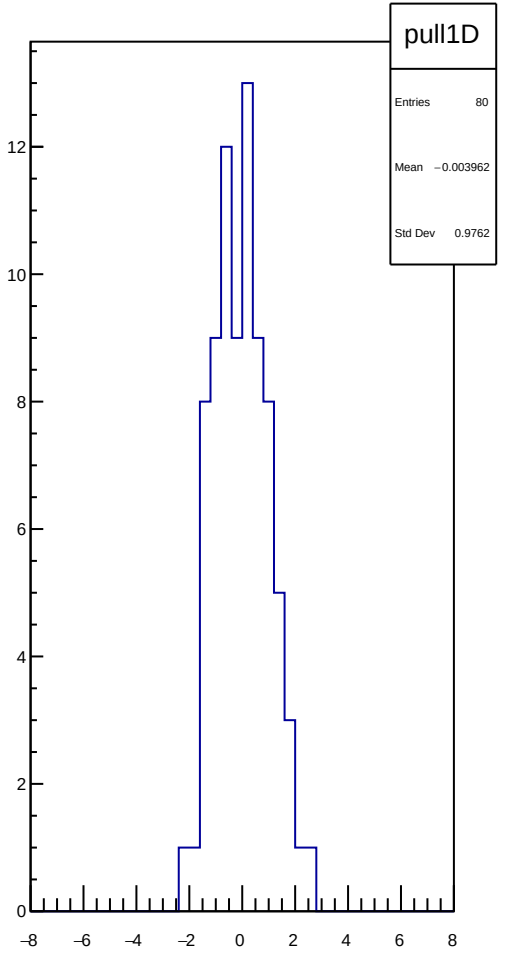

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 810.9 / 79
p0 66.75 ± 0.05341
70
68
66
64
62

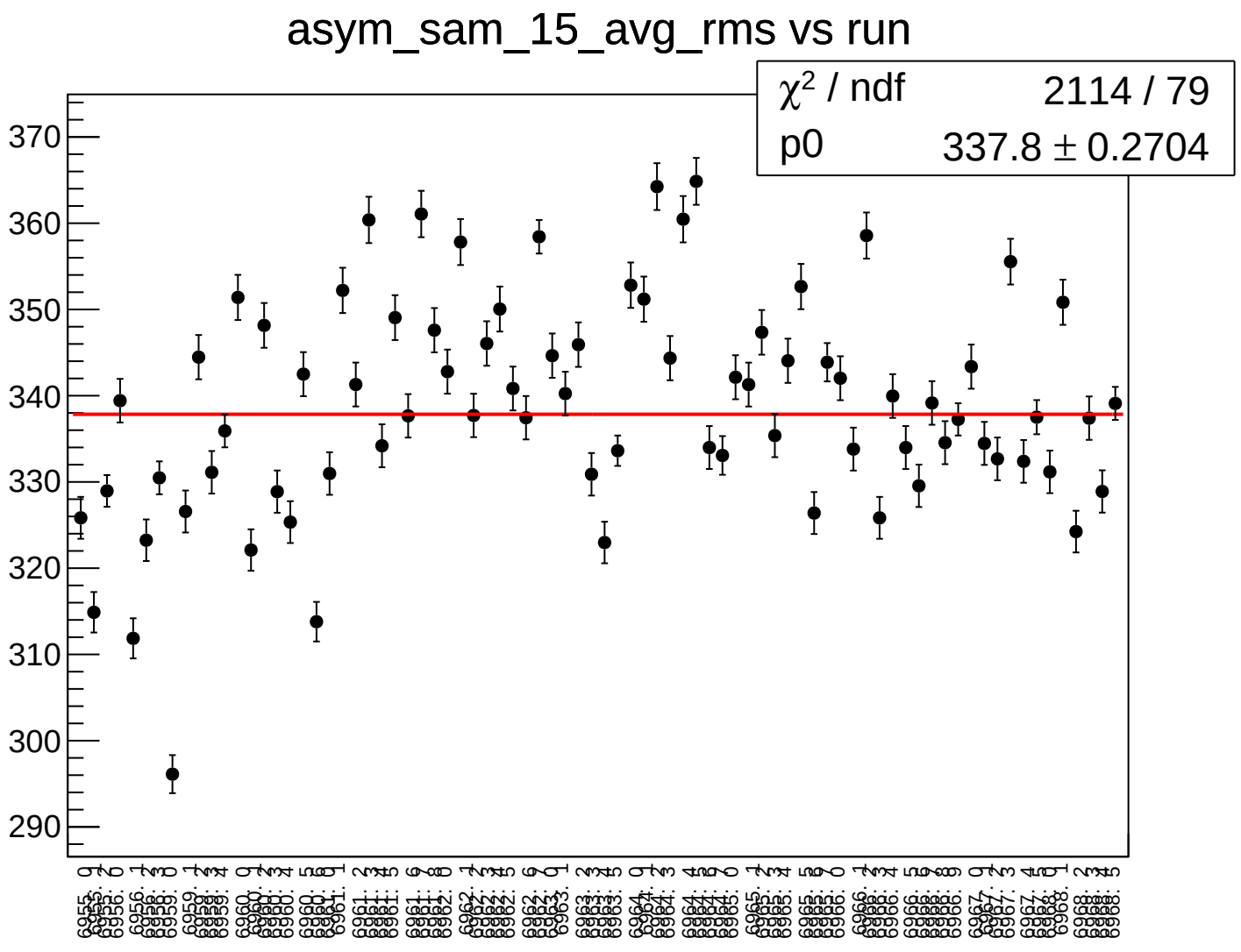

asym_sam_15_avg_correction_mean vs run
χ² / ndf 72.95 / 79
p0 −403.1 ± 388.8
pull
Entries 80
Mean 1891
Std Dev 1855

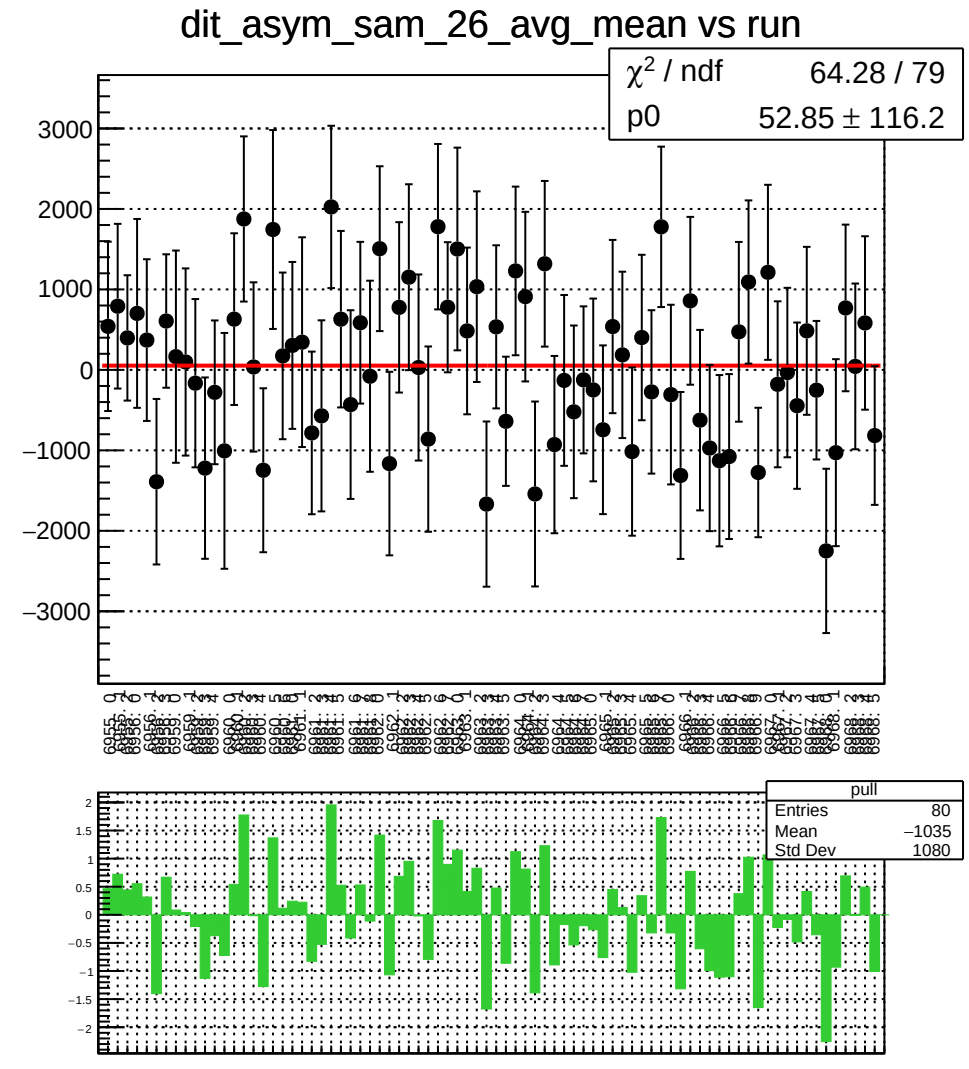

pull1D
Entries 80
Mean 0.002033
Std Dev 0.9549

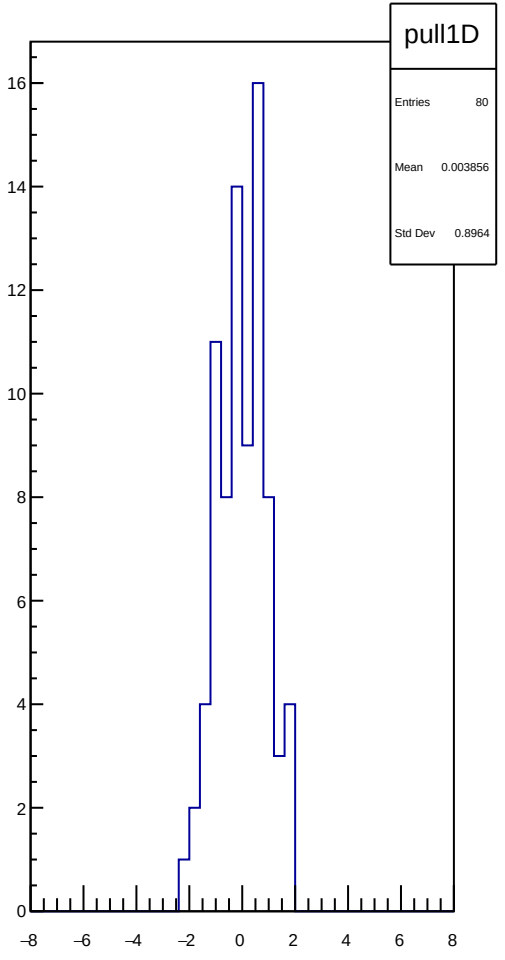

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1882 / 79
p0 343.5 ± 0.2749
370
360
350
340
330
320
310

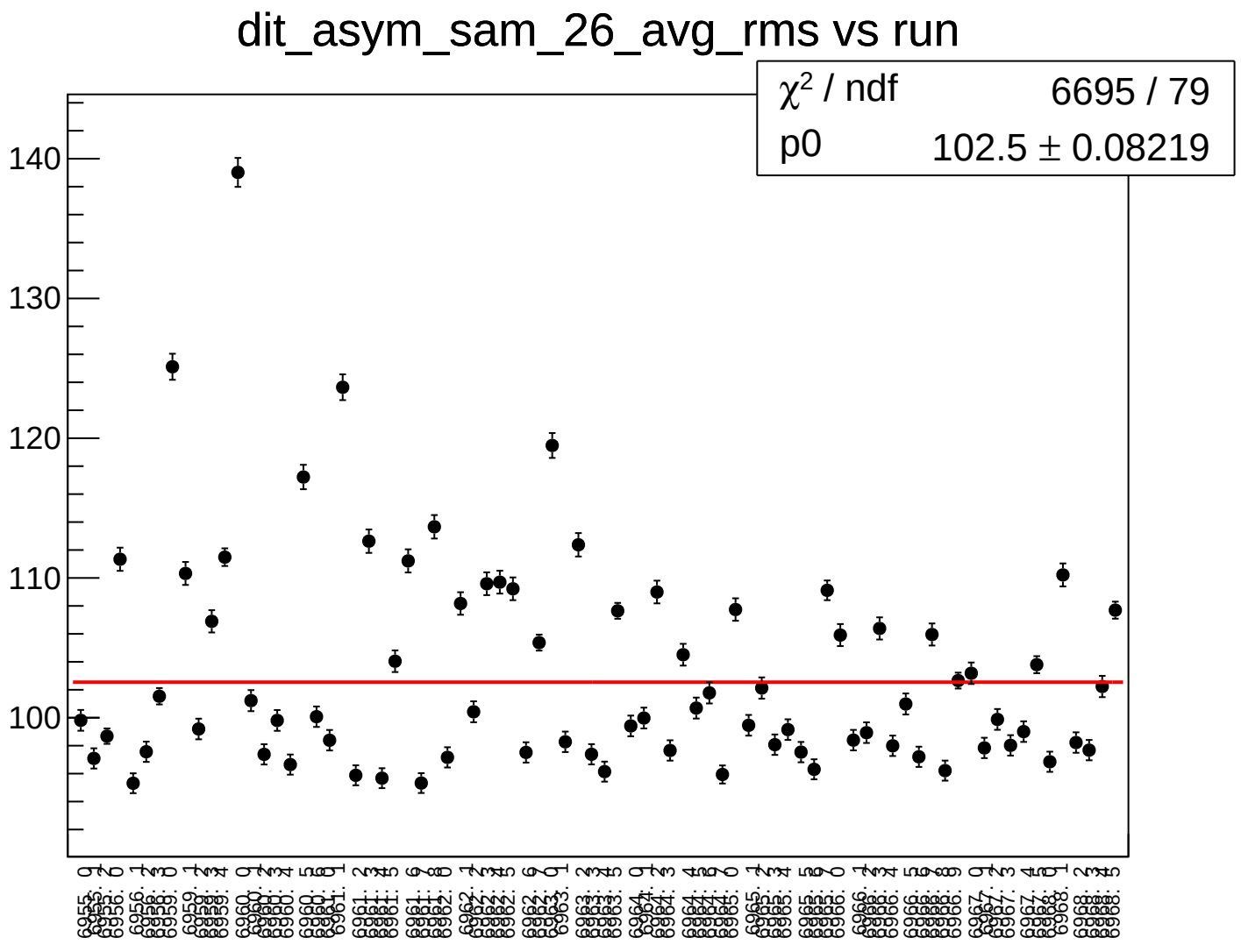

asym_sam_15_avg_mean vs run
χ² / ndf 76.24 / 79
p0 419.9 ± 382.4
15000
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 856.6
Std Dev 822.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

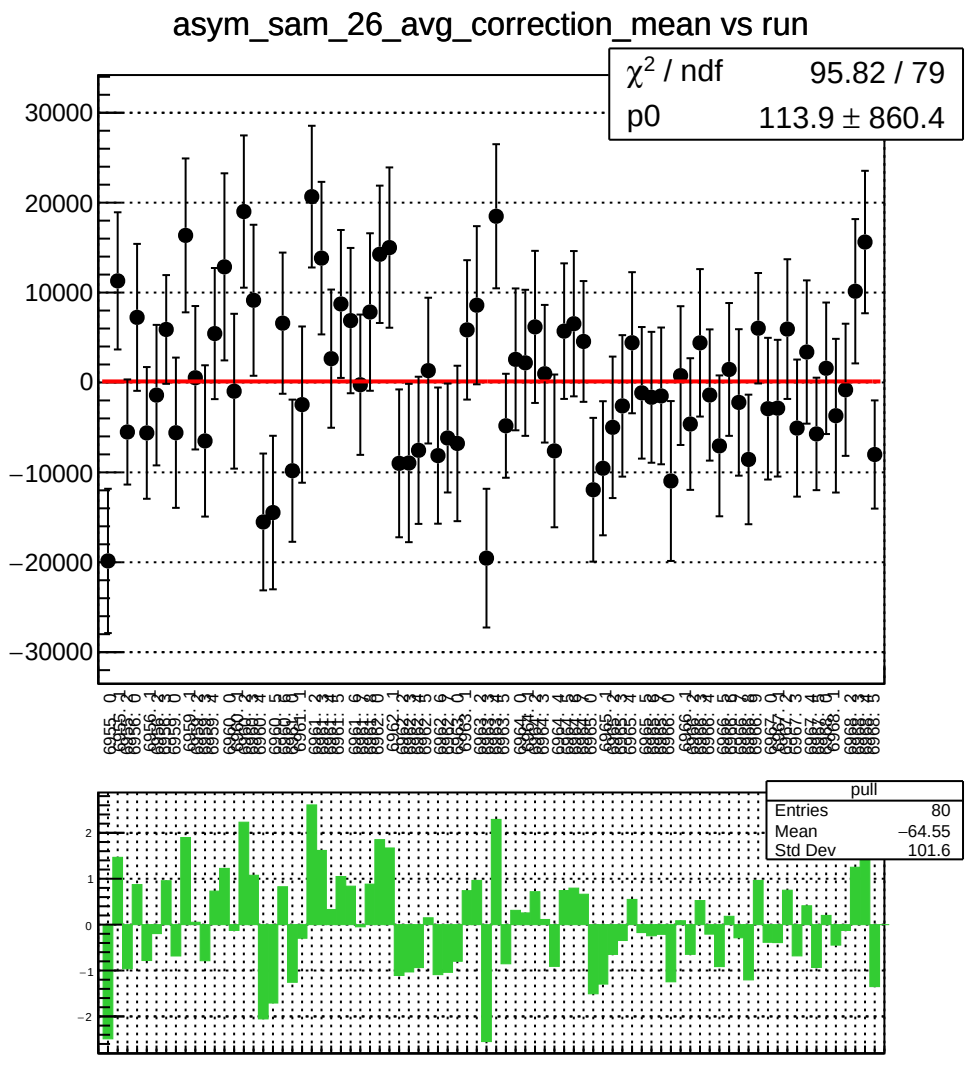

pull1D
Entries 80
Mean −0.003962
Std Dev 0.9762
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

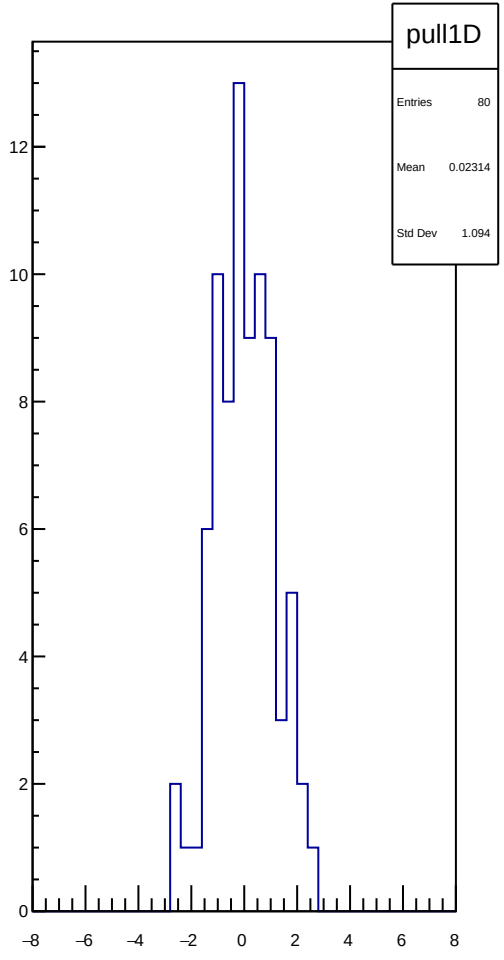

asym_sam_15_avg_rms vs run
χ² / ndf 2114 / 79
p0 337.8 ± 0.2704
370
360
350
340
330
320
310
300
290

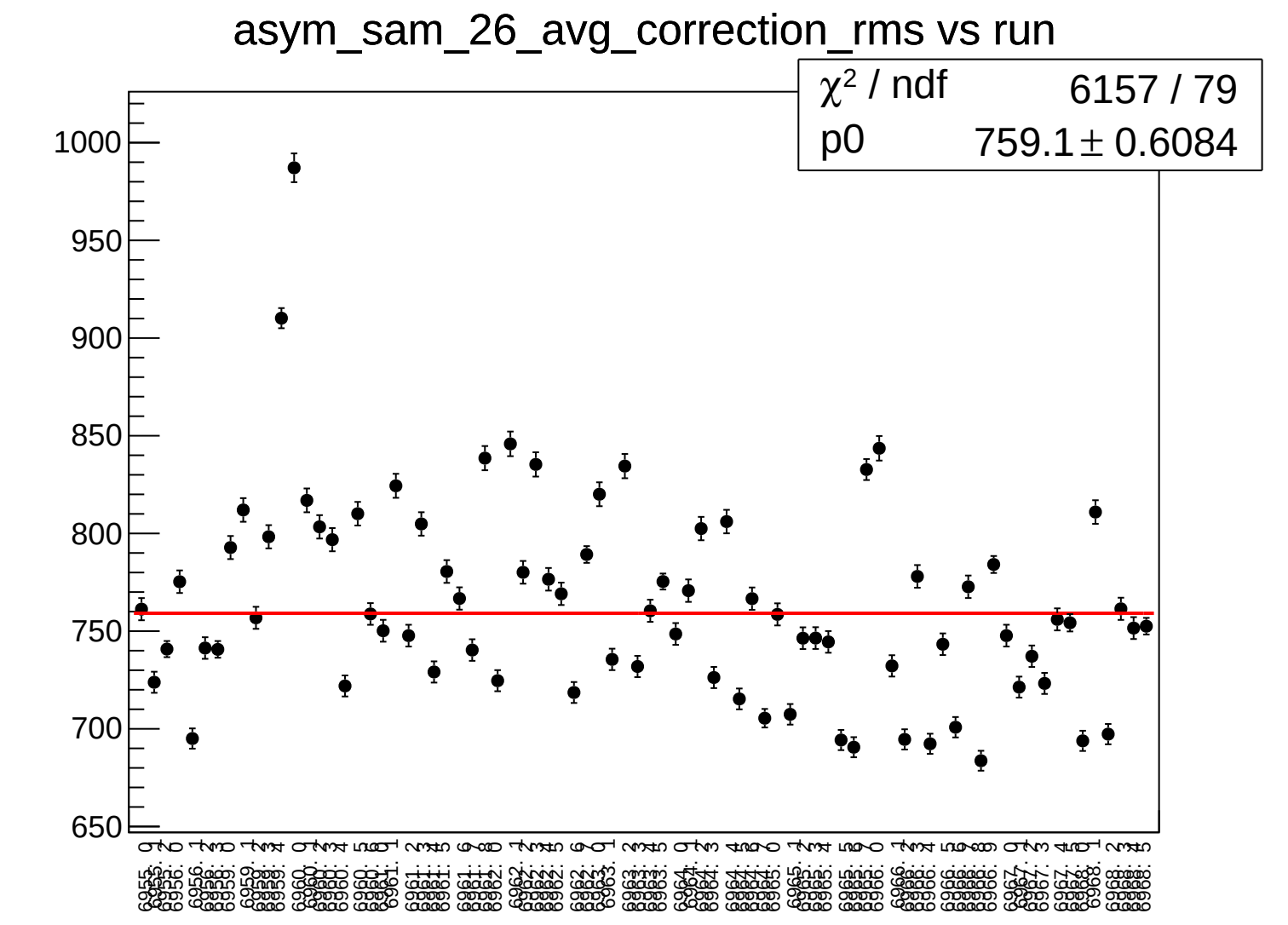

dit_asym_sam_26_avg_mean vs run
χ² / ndf 64.28 / 79
p0 52.85 ± 116.2
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean −1035
Std Dev 1080
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

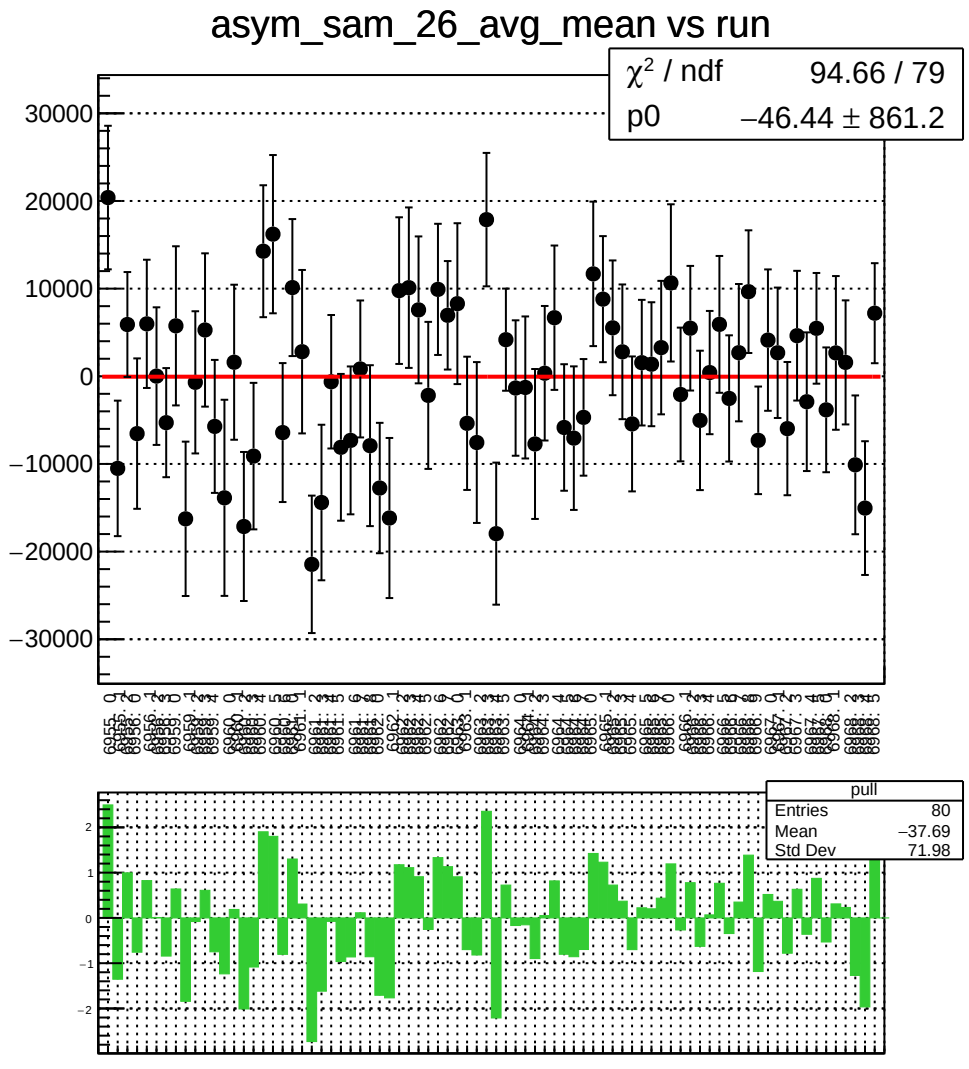

pull1D
Entries 80
Mean 0.003856
Std Dev 0.8964
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

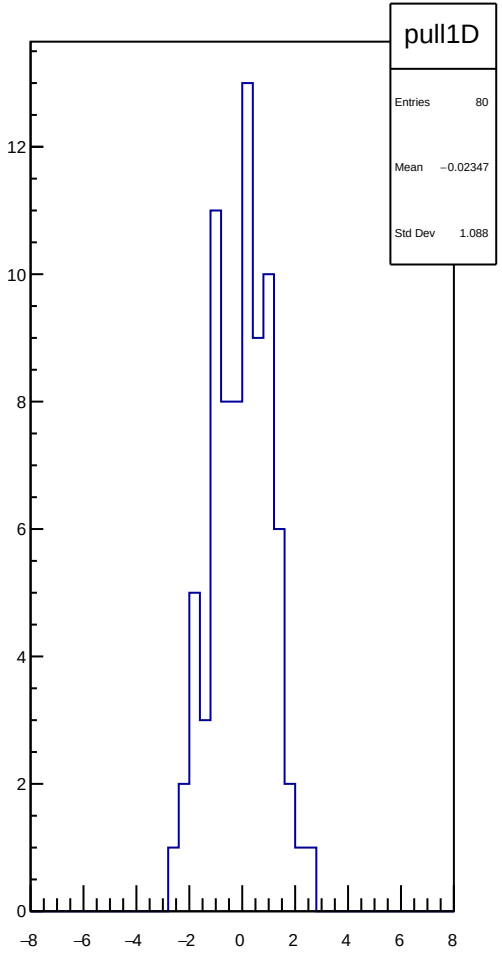

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 6695 / 79
p0 102.5 ± 0.08219
140
130
120
110
100

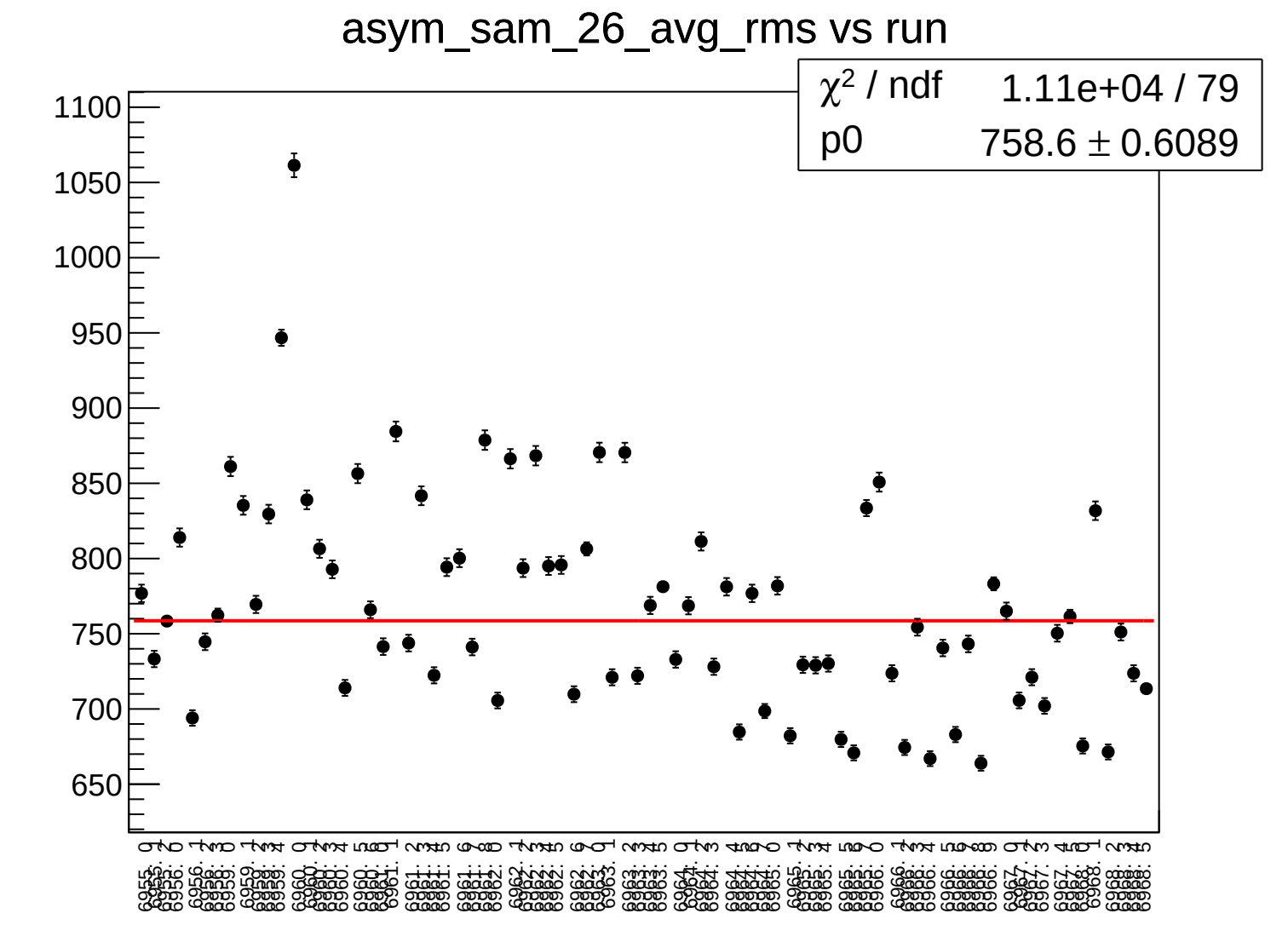

asym_sam_26_avg_correction_mean vs run
χ² / ndf 95.82 / 79
p0 113.9 ± 860.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −64.55
Std Dev 101.6
2
1
0
−1
−2

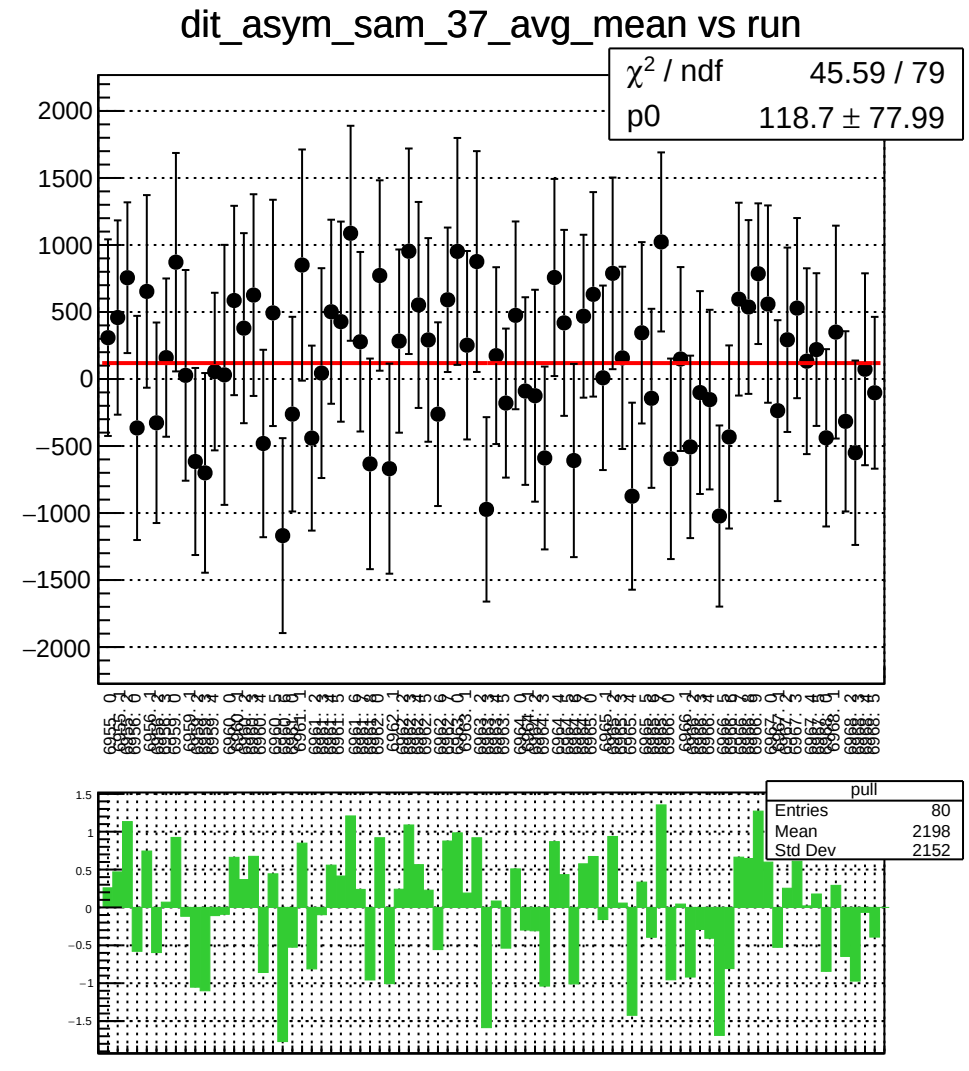

pull1D
Entries 80
Mean 0.02314
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

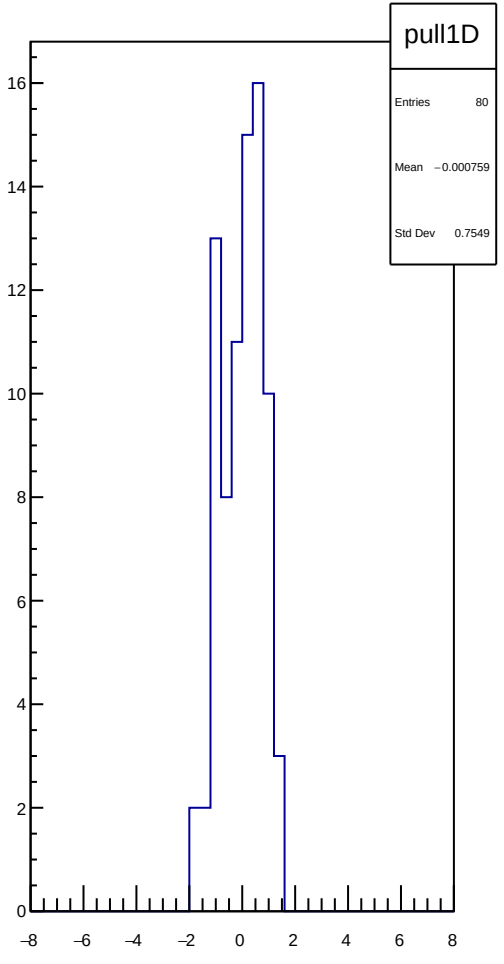

asym_sam_26_avg_correction_rms vs run
χ² / ndf 6157 / 79
p0 759.1 ± 0.6084
1000
950
900
850
800
750
700
650

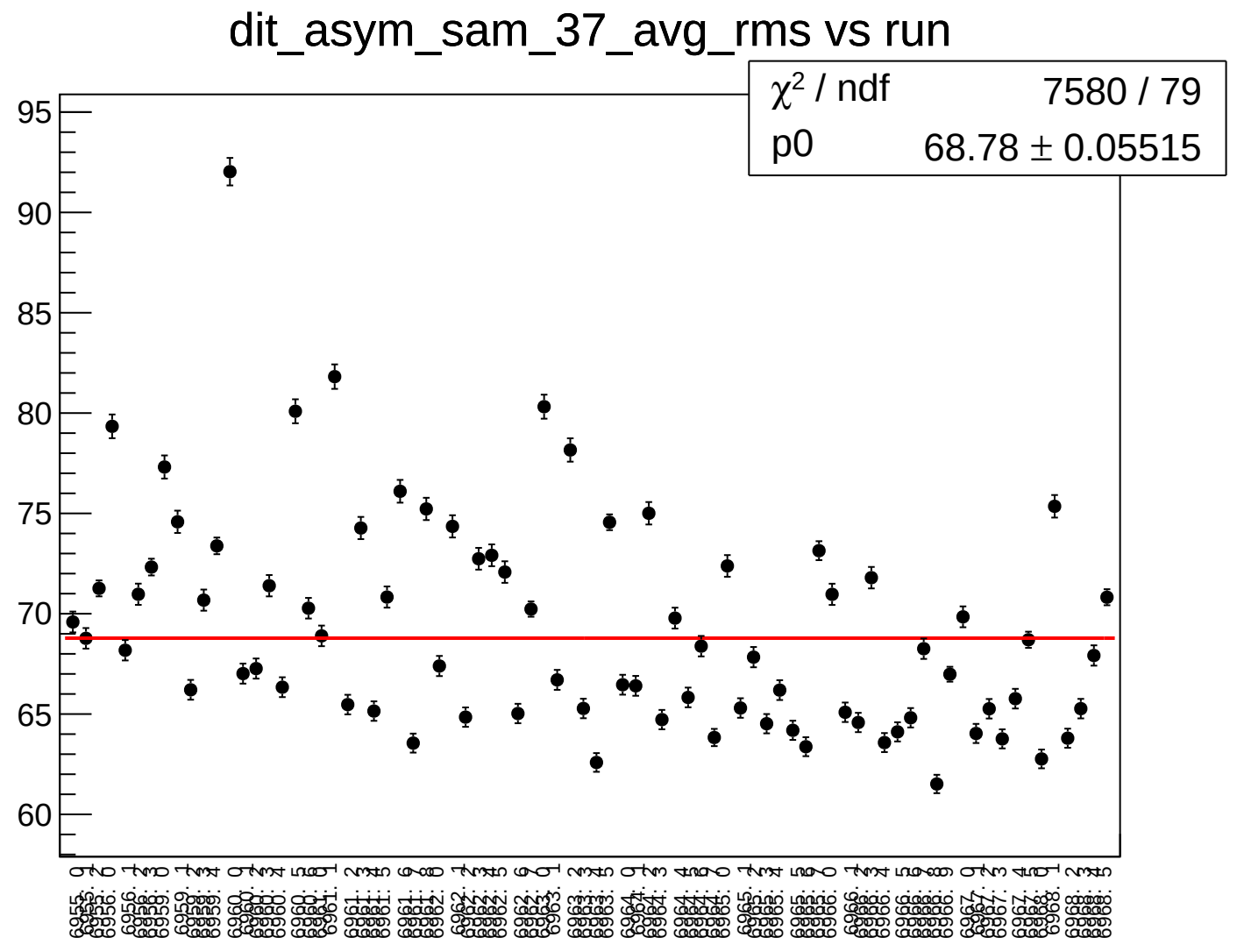

asym_sam_26_avg_mean vs run
χ² / ndf 94.66 / 79
p0 −46.44 ± 861.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −37.69
Std Dev 71.98
2
1
0
−1
−2

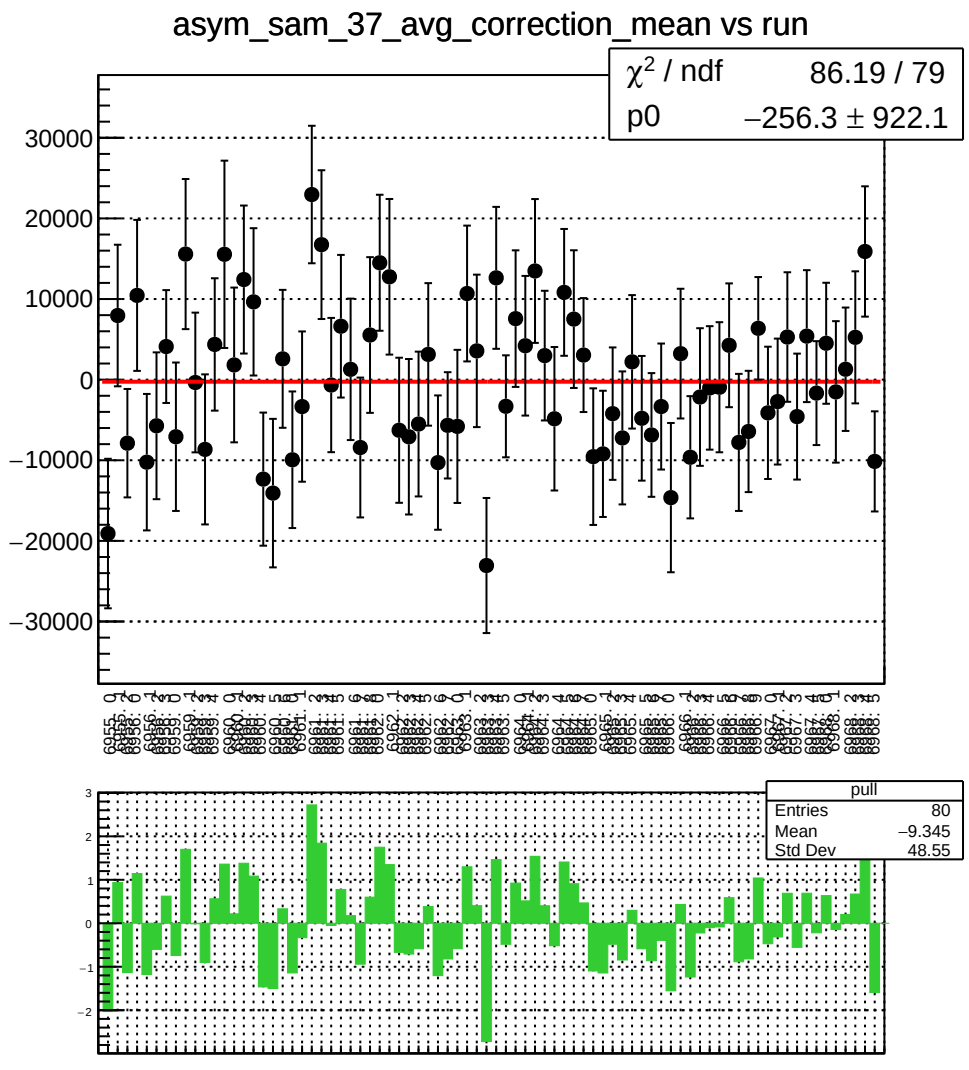

pull1D
Entries 80
Mean −0.02347
Std Dev 1.088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

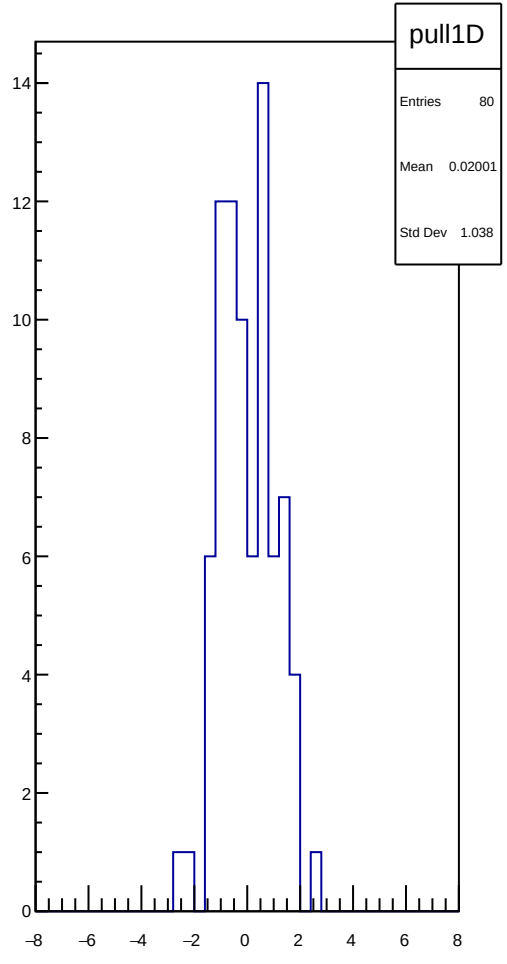

asym_sam_26_avg_rms vs run
χ² / ndf 1.11e+04 / 79
p0 758.6 ± 0.6089
1100
1050
1000
950
900
850
800
750
700
650

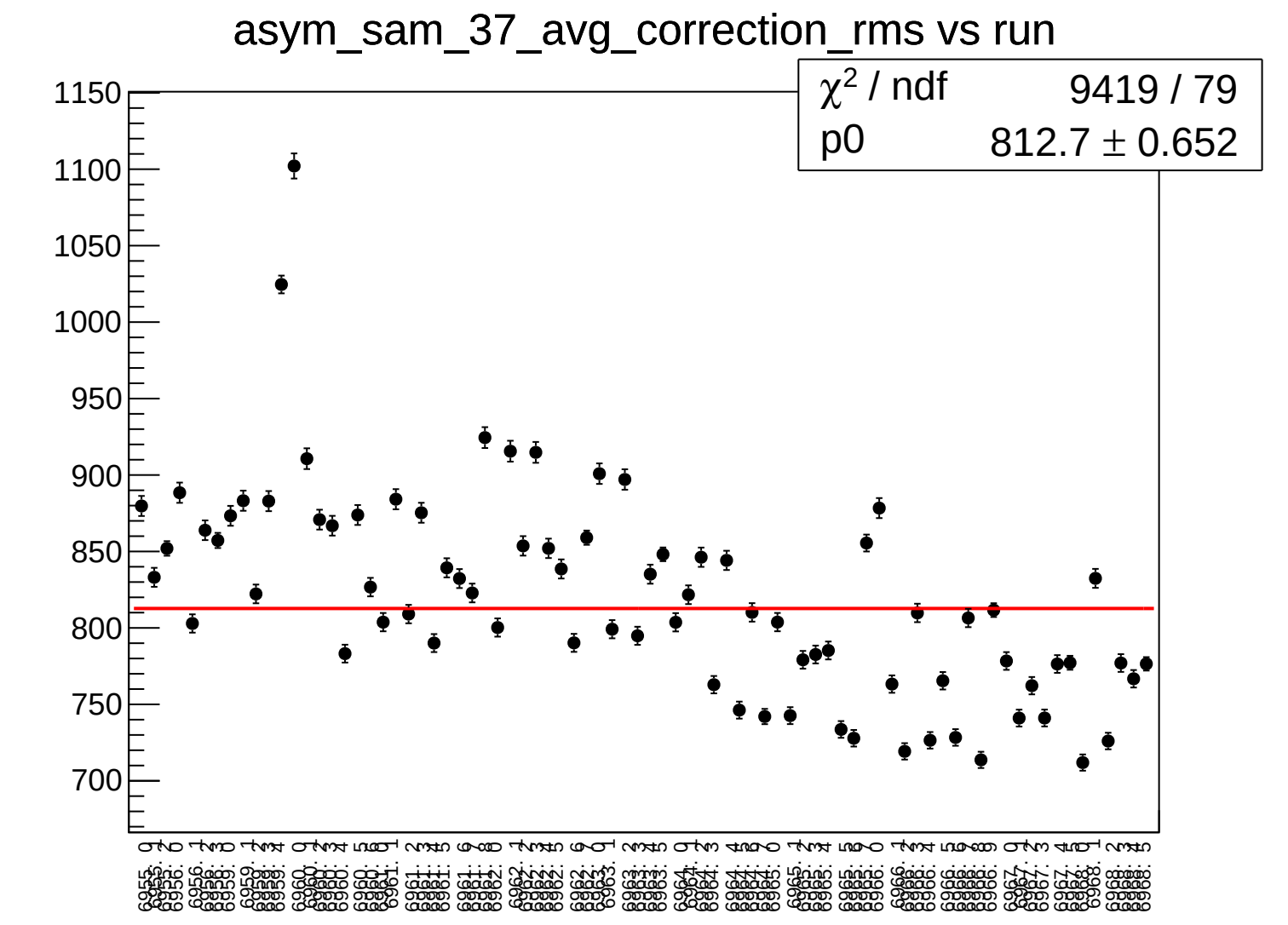

dit_asym_sam_37_avg_mean vs run
χ² / ndf 45.59 / 79
p0 118.7 ± 77.99
pull
Entries 80
Mean 2198
Std Dev 2152

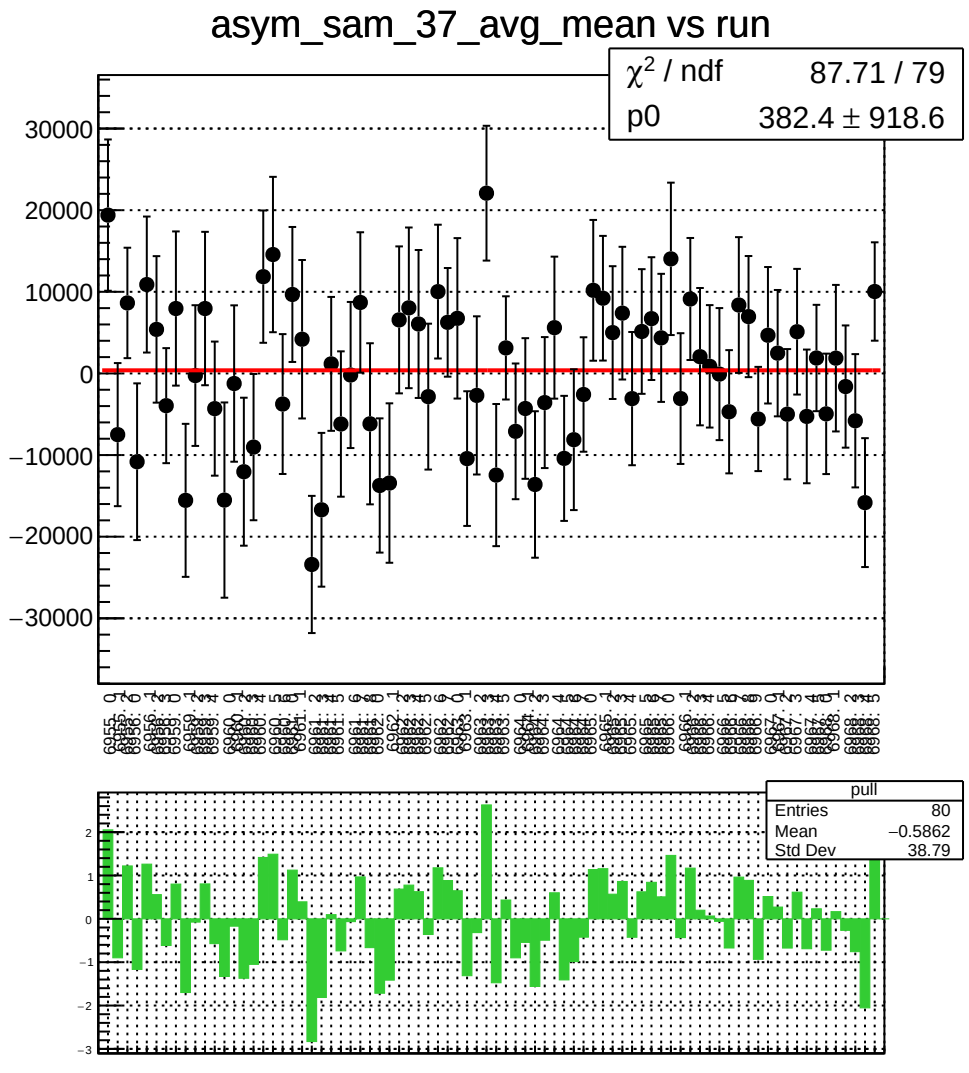

pull1D
Entries 80
Mean −0.000759
Std Dev 0.7549

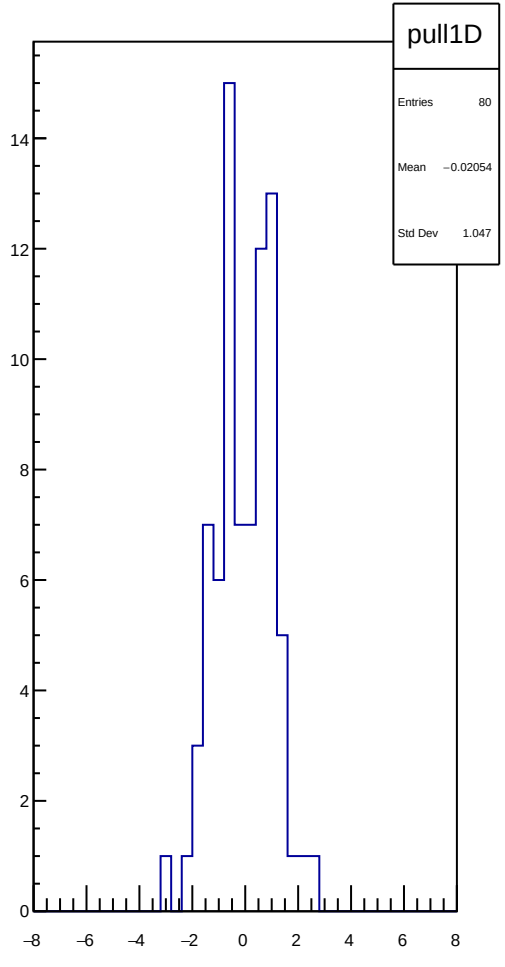

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 7580 / 79
p0 68.78 ± 0.05515
95
90
85
80
75
70
65
60

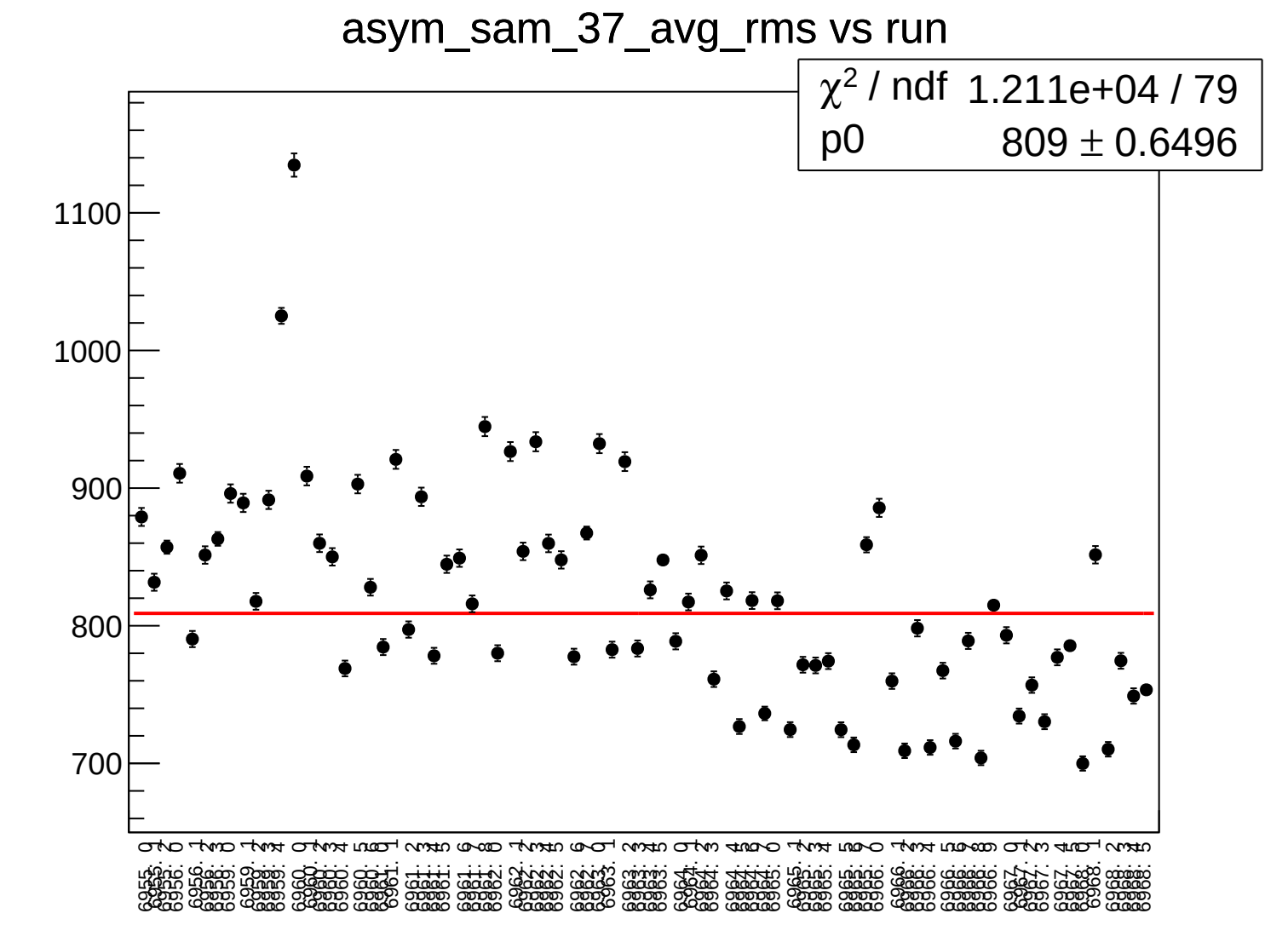

asym_sam_37_avg_correction_mean vs run
χ² / ndf 86.19 / 79
p0 −256.3 ± 922.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −9.345
Std Dev 48.55
3
2
1
0
−1
−2

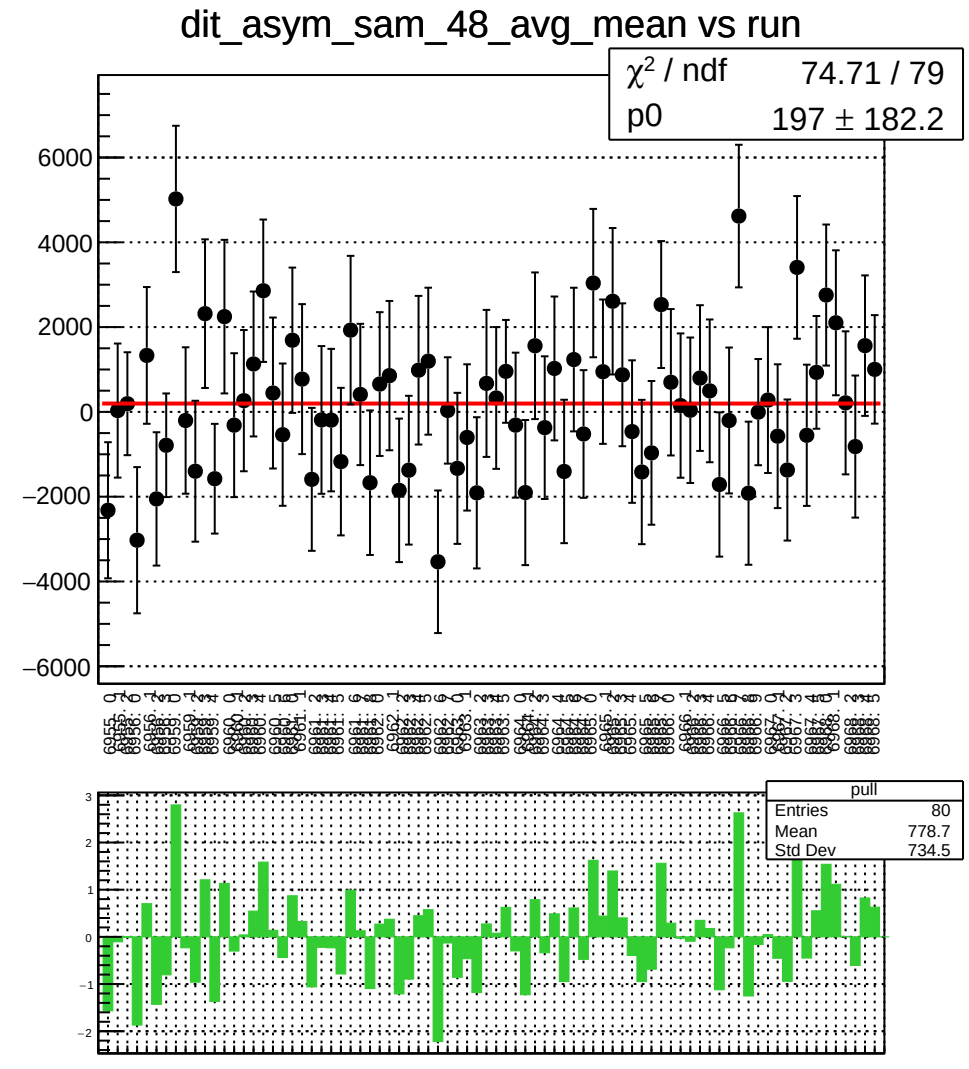

pull1D
Entries 80
Mean 0.02001
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

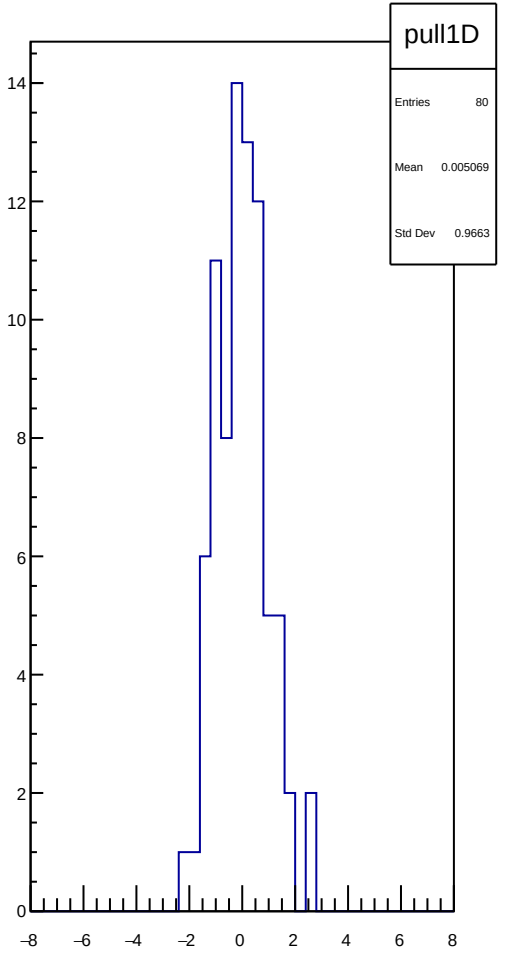

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 9419 / 79
p0 812.7 ± 0.652
1150
1100
1050
1000
950
900
850
800
750
700

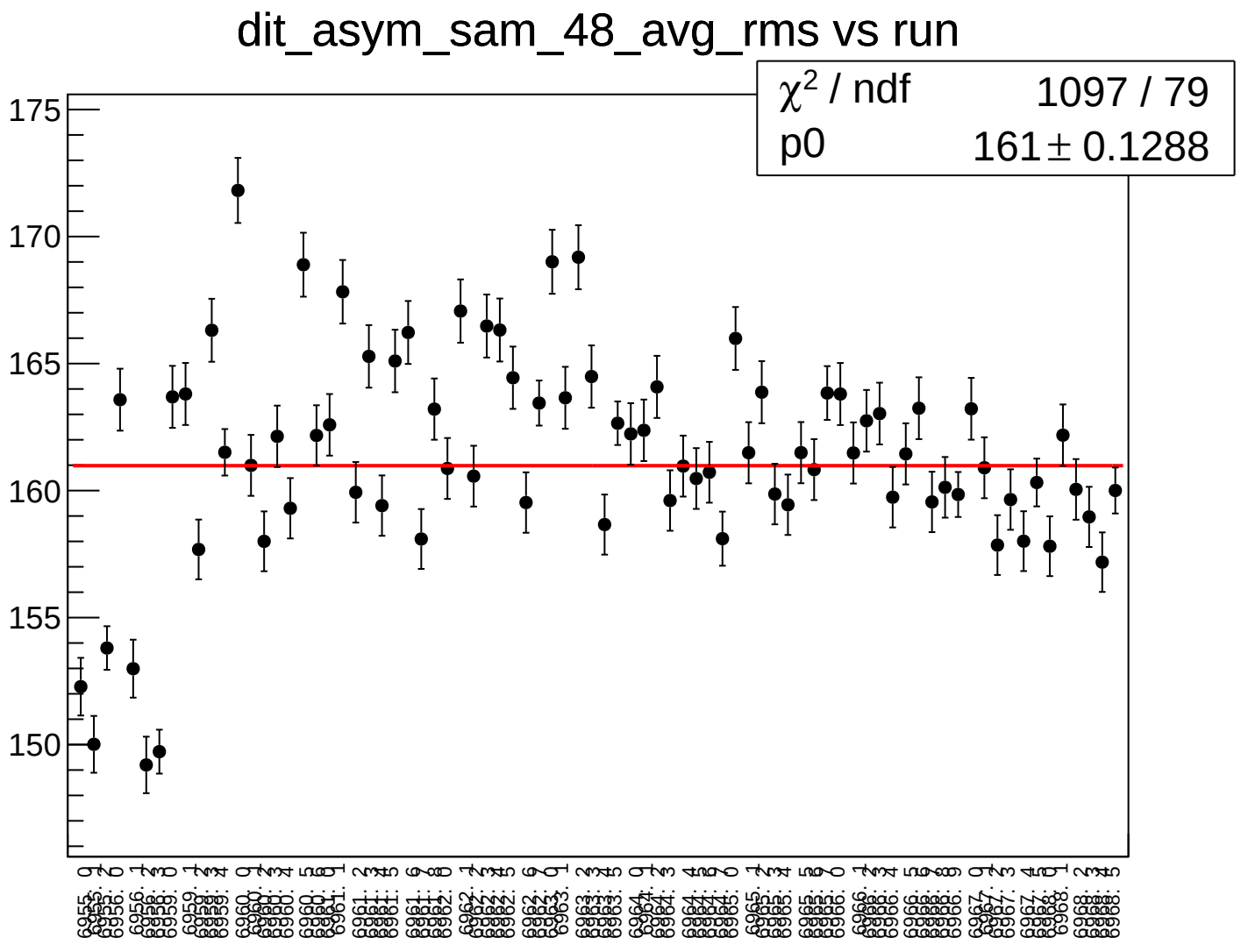

asym_sam_37_avg_mean vs run
χ² / ndf 87.71 / 79
p0 382.4 ± 918.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −0.5862
Std Dev 38.79
2
1
0
−1
−2
−3

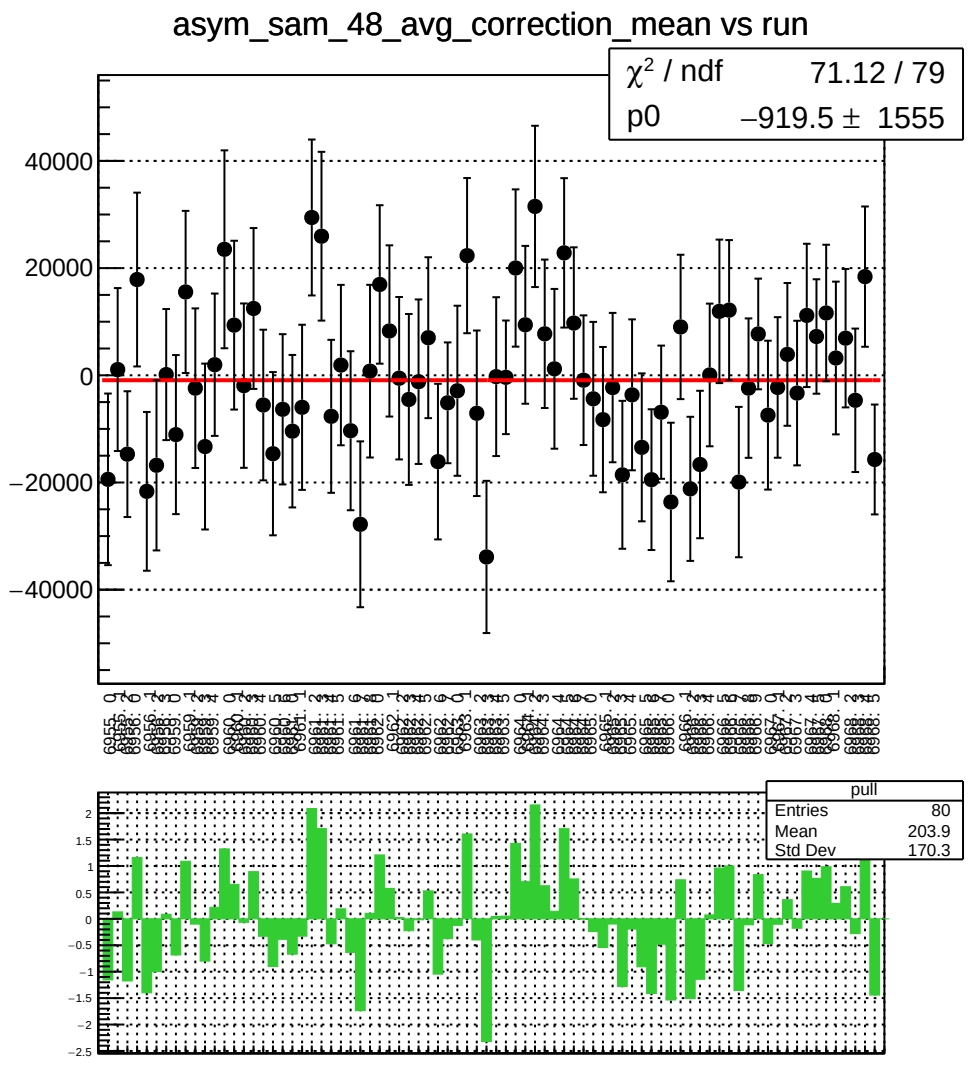

pull1D
Entries 80
Mean −0.02054
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

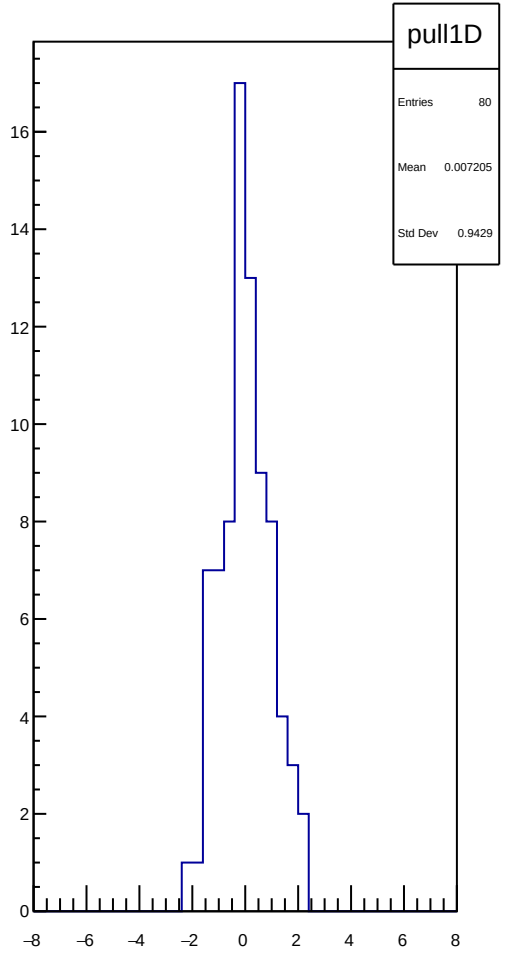

asym_sam_37_avg_rms vs run
χ² / ndf 1.211e+04 / 79
p0 809 ± 0.6496
1100
1000
900
800
700

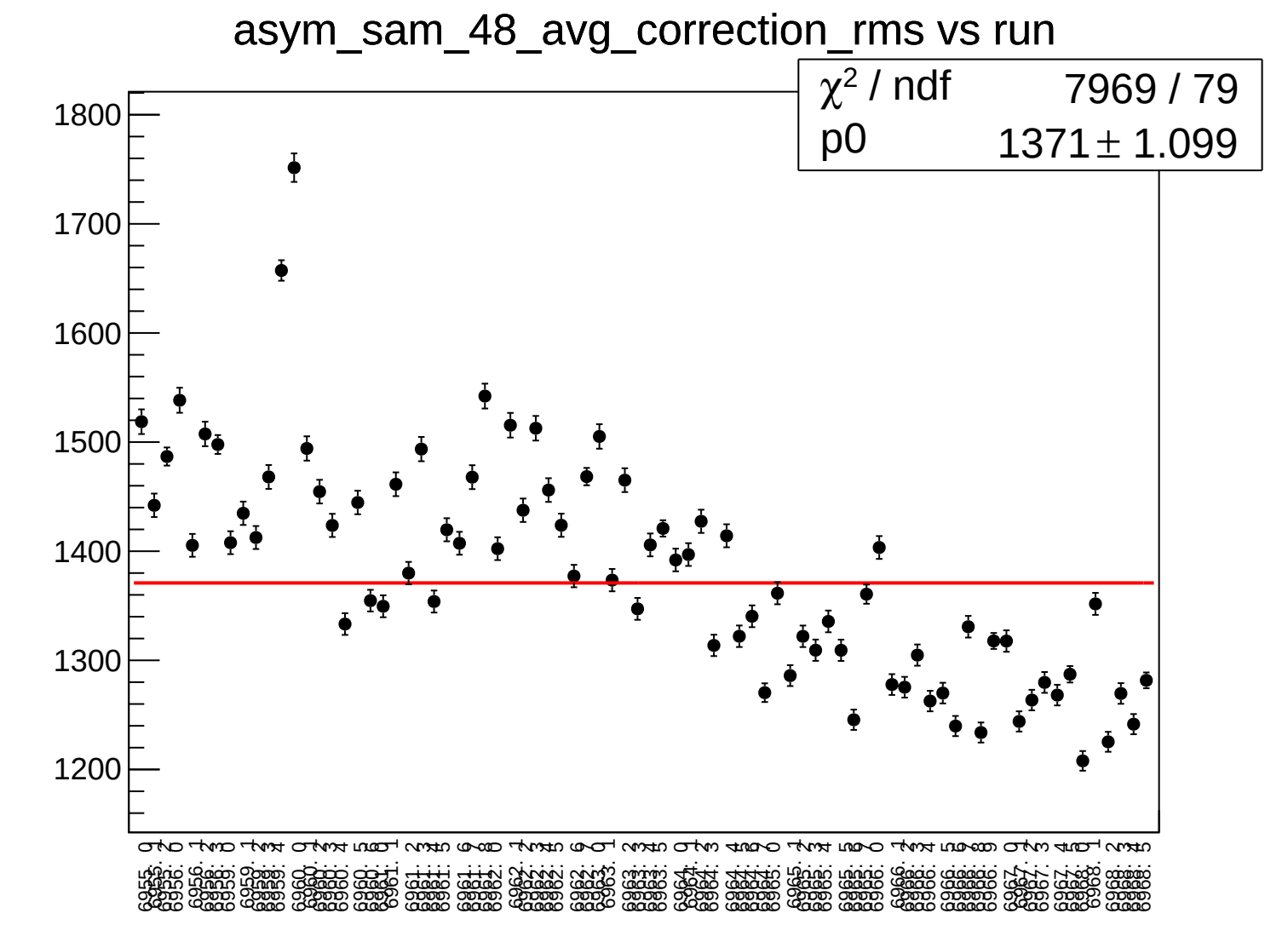

dit_asym_sam_48_avg_mean vs run
χ² / ndf 74.71 / 79
p0 197 ± 182.2
pull
Entries 80
Mean 778.7
Std Dev 734.5

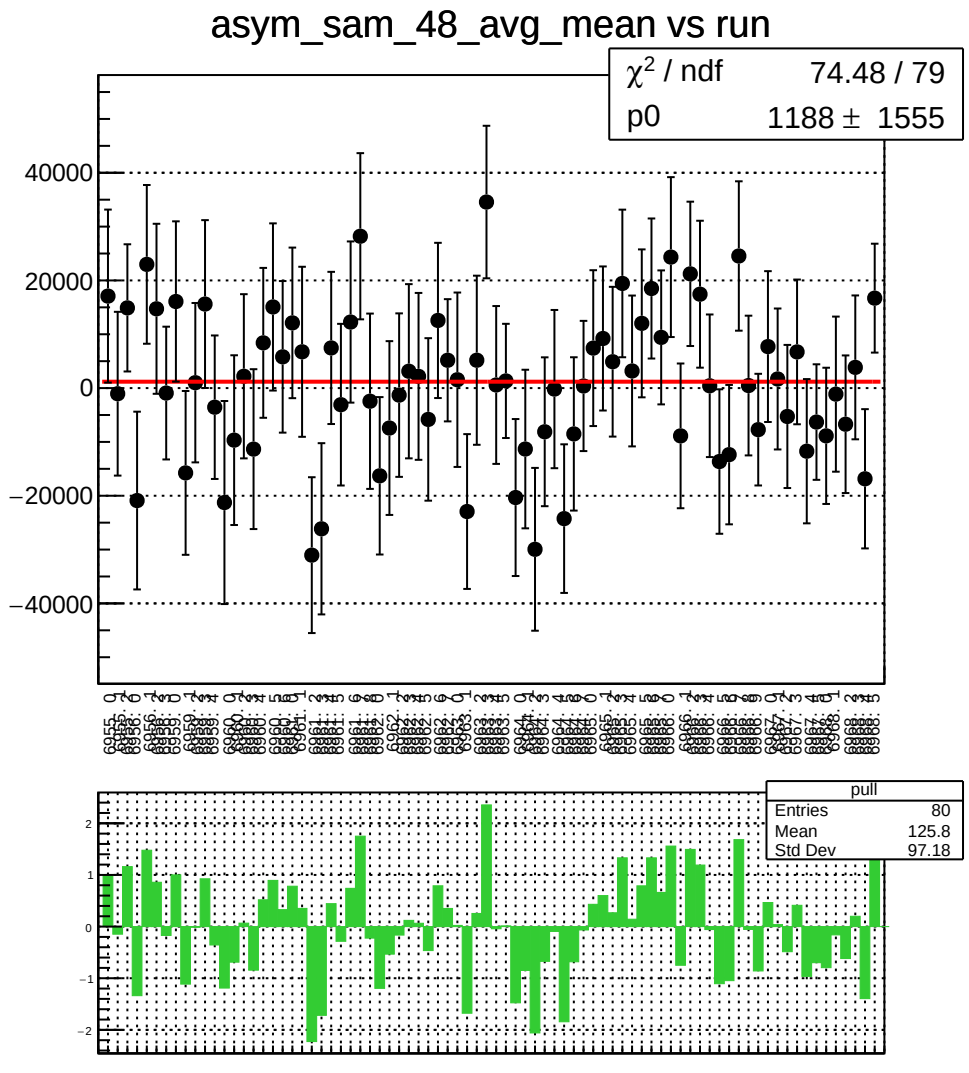

pull1D
Entries 80
Mean 0.005069
Std Dev 0.9663

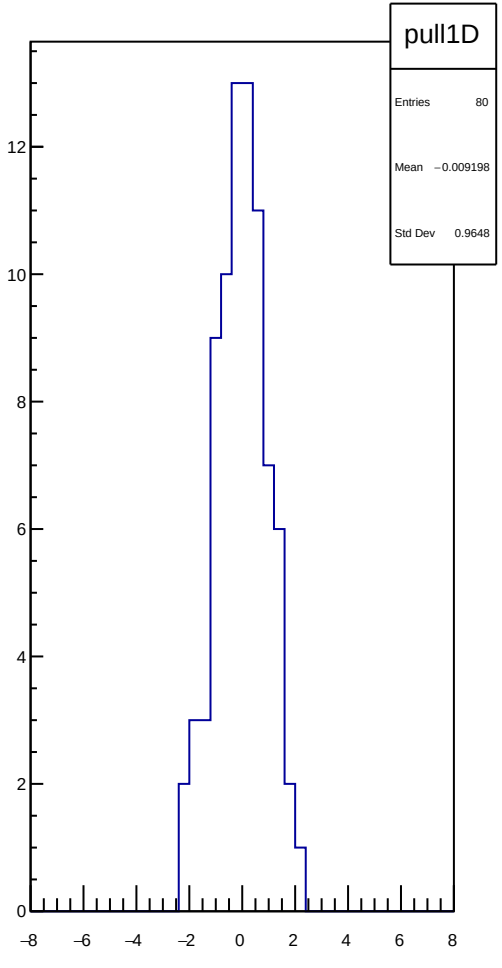

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1097 / 79
p0 161 ± 0.1288
175
170
165
160
155
150

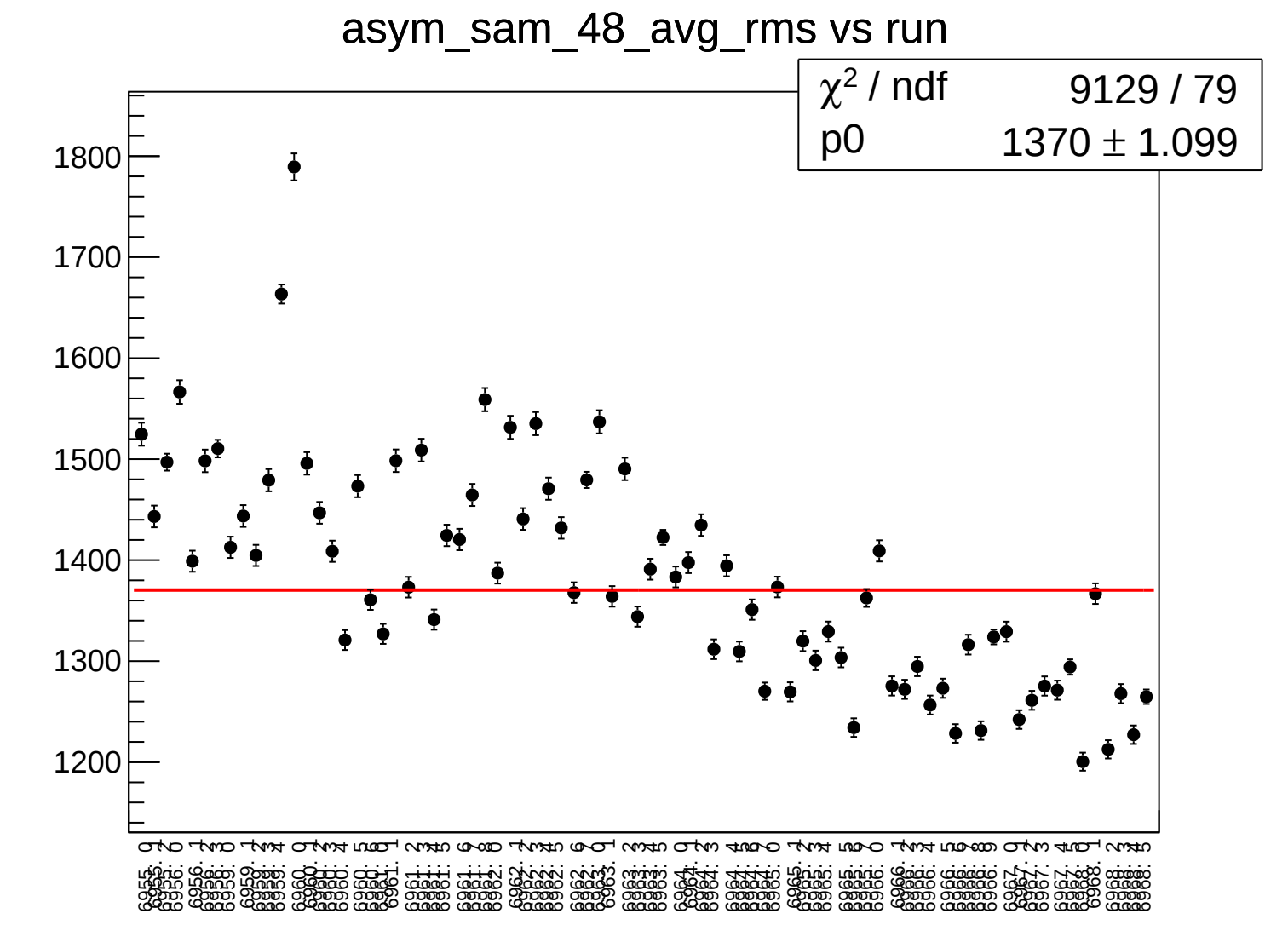

asym_sam_48_avg_correction_mean vs run
χ² / ndf 71.12 / 79
p0 −919.5 ± 1555
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 203.9
Std Dev 170.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

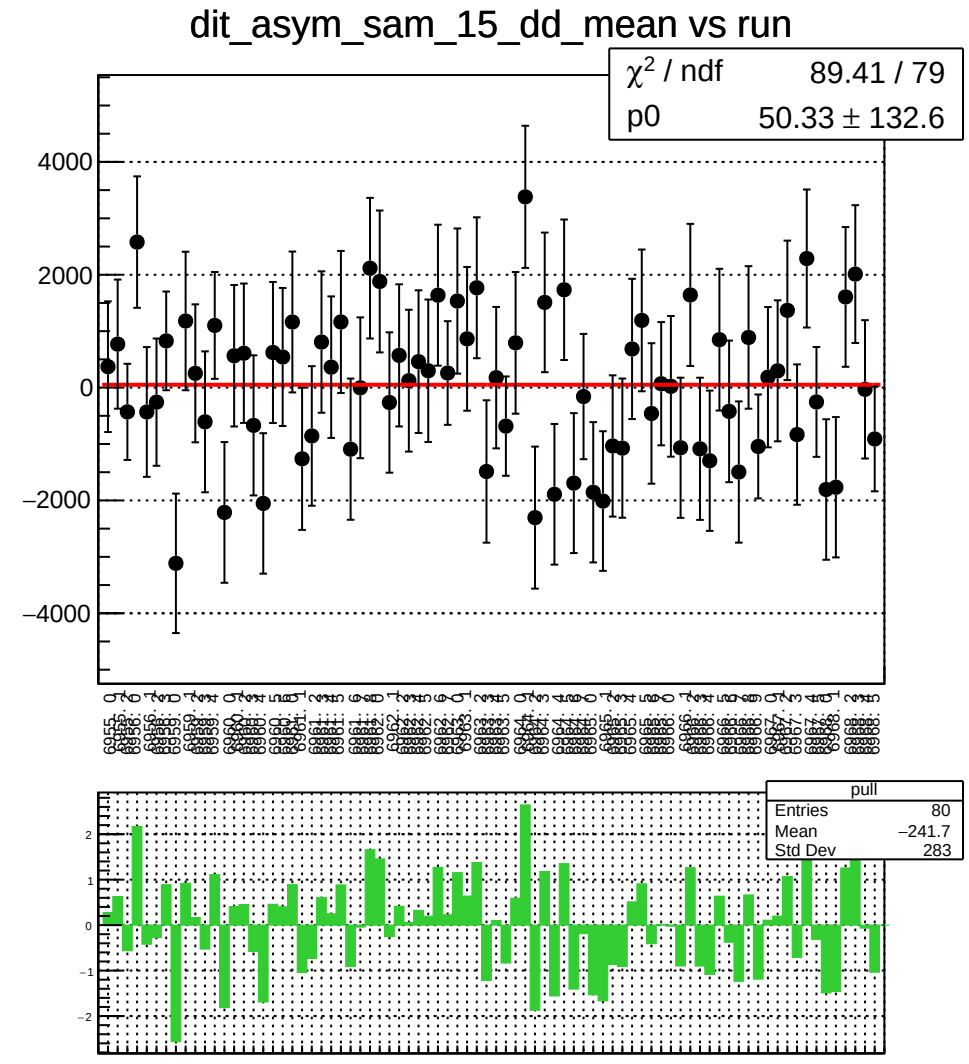

pull1D
Entries 80
Mean 0.007205
Std Dev 0.9429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

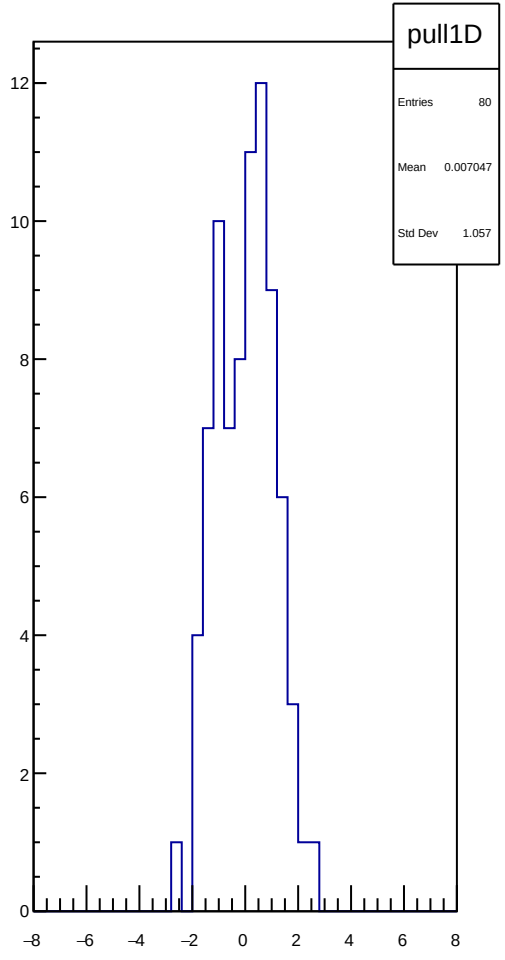

asym_sam_48_avg_correction_rms vs run
χ² / ndf 7969 / 79
p0 1371 ± 1.099
1800
1700
1600
1500
1400
1300
1200

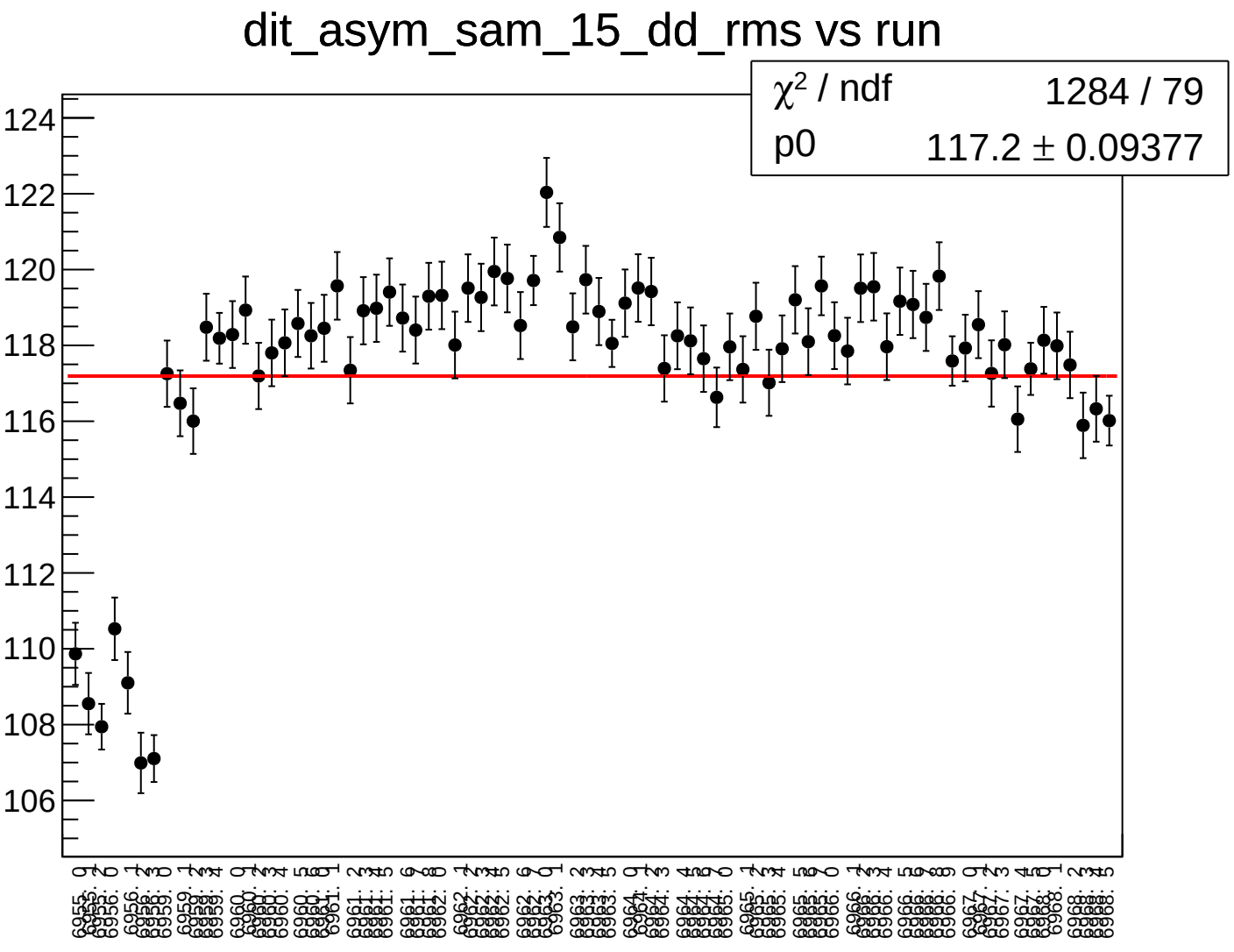

asym_sam_48_avg_mean vs run
χ² / ndf 74.48 / 79
p0 1188 ± 1555
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 125.8
Std Dev 97.18
2
1
0
−1
−2

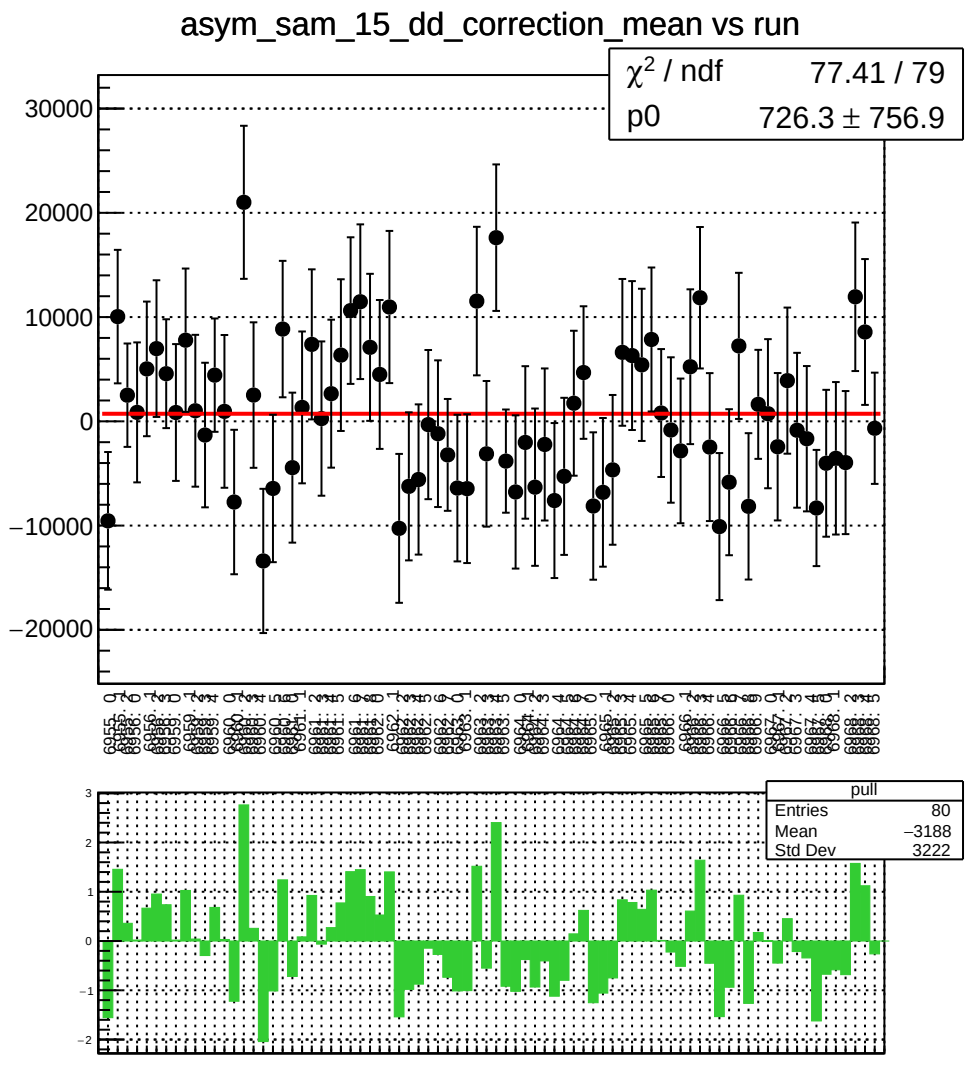

pull1D
Entries 80
Mean −0.009198
Std Dev 0.9648
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

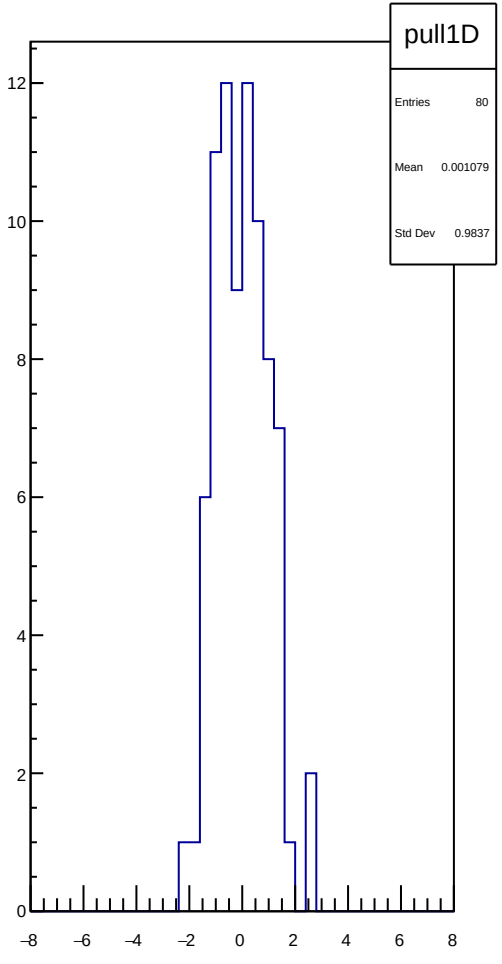

asym_sam_48_avg_rms vs run
χ^2 / ndf 9129 / 79
p0 1370 ± 1.099
1800
1700
1600
1500
1400
1300
1200

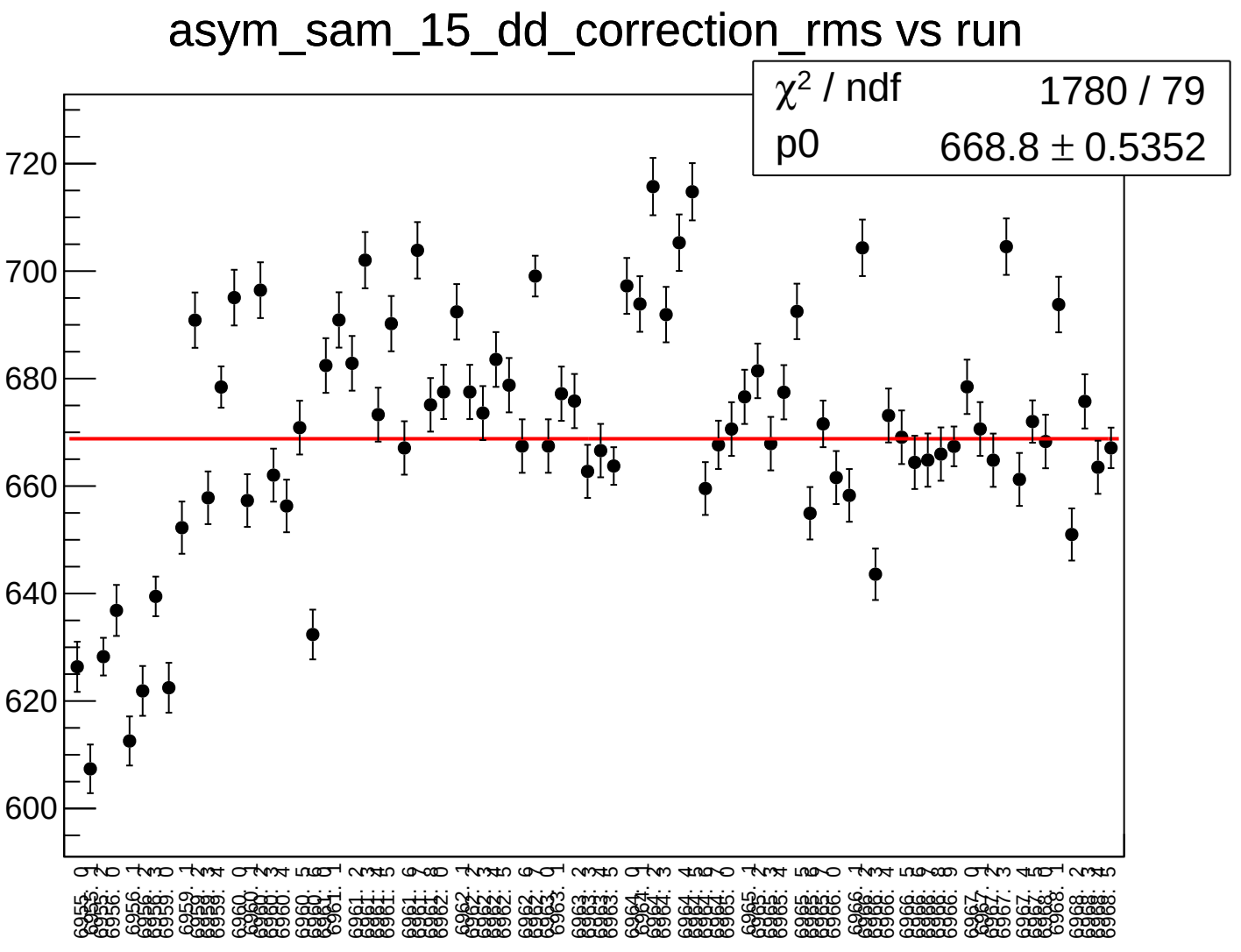

dit_asym_sam_15_dd_mean vs run
χ² / ndf 89.41 / 79
p0 50.33 ± 132.6
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −241.7
Std Dev 283
2
1
0
−1
−2

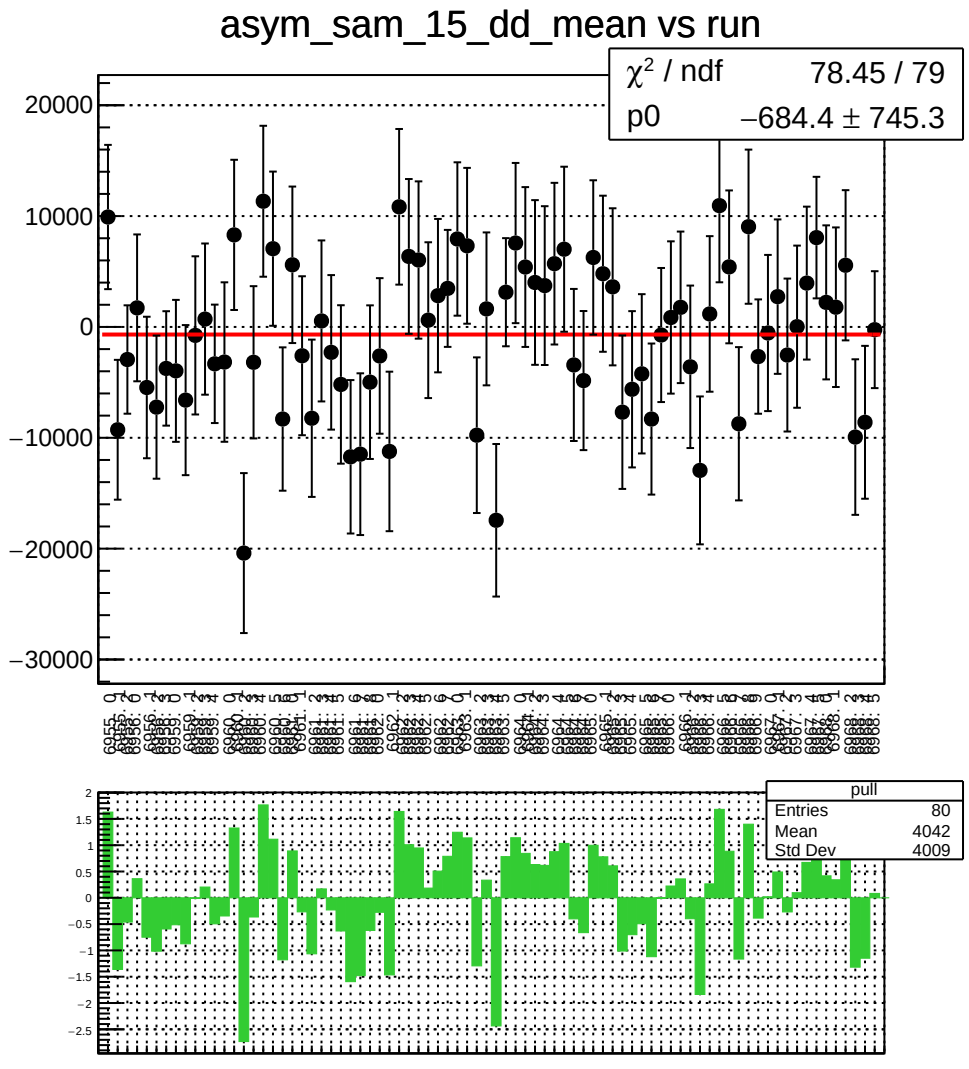

pull1D
Entries 80
Mean 0.007047
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

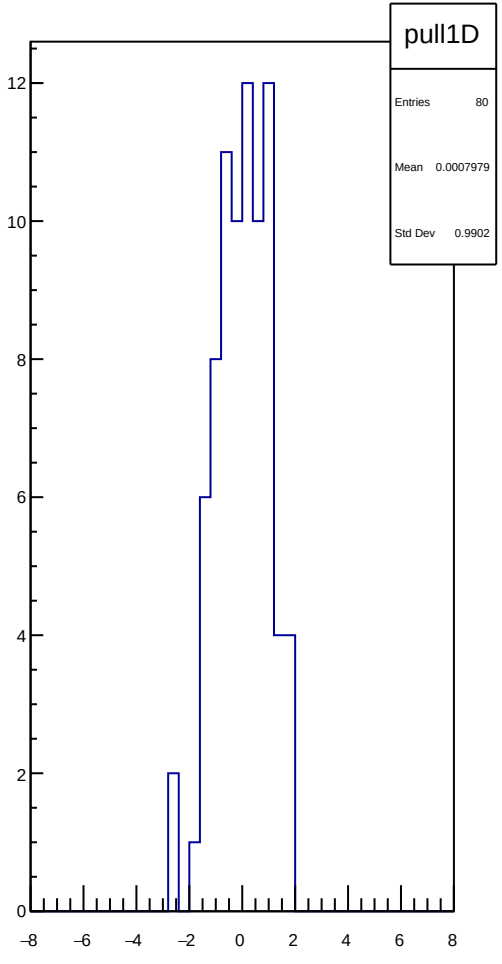

dit_asym_sam_15_dd_rms vs run
χ² / ndf 1284 / 79
p0 117.2 ± 0.09377
124
122
120
118
116
114
112
110
108
106

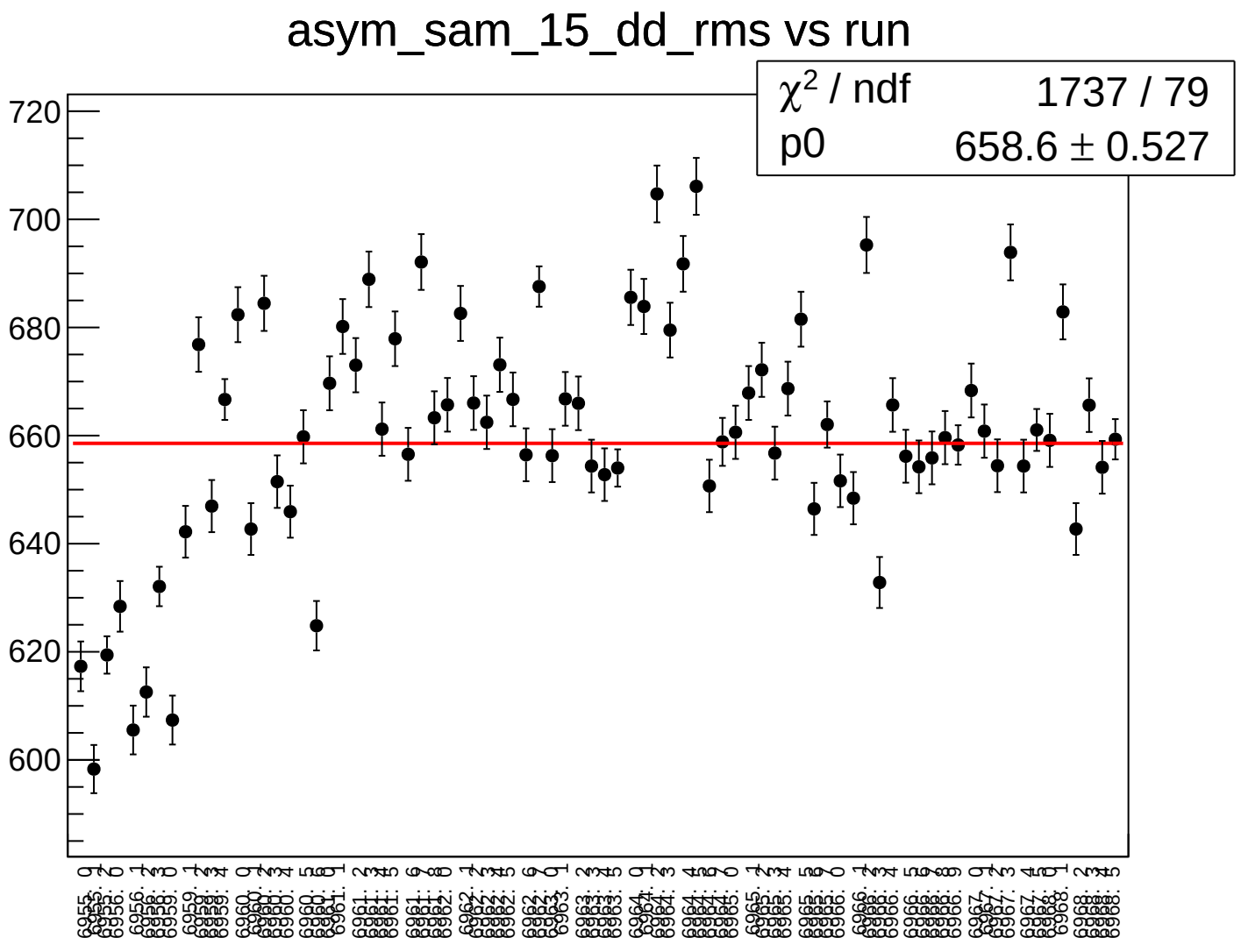

asym_sam_15_dd_correction_mean vs run
χ² / ndf 77.41 / 79
p0 726.3 ± 756.9
30000
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −3188
Std Dev 3222
3
2
1
0
−1
−2

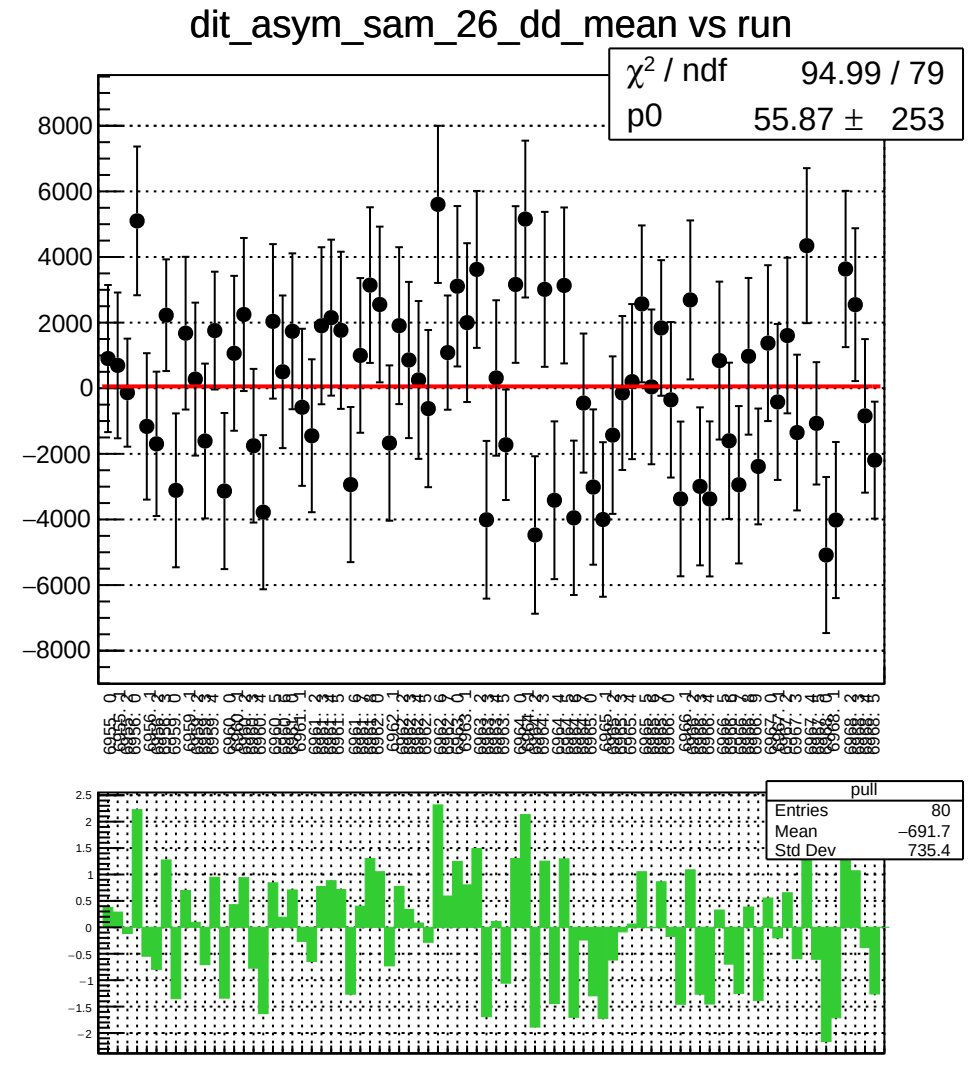

pull1D
Entries 80
Mean 0.001079
Std Dev 0.9837
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

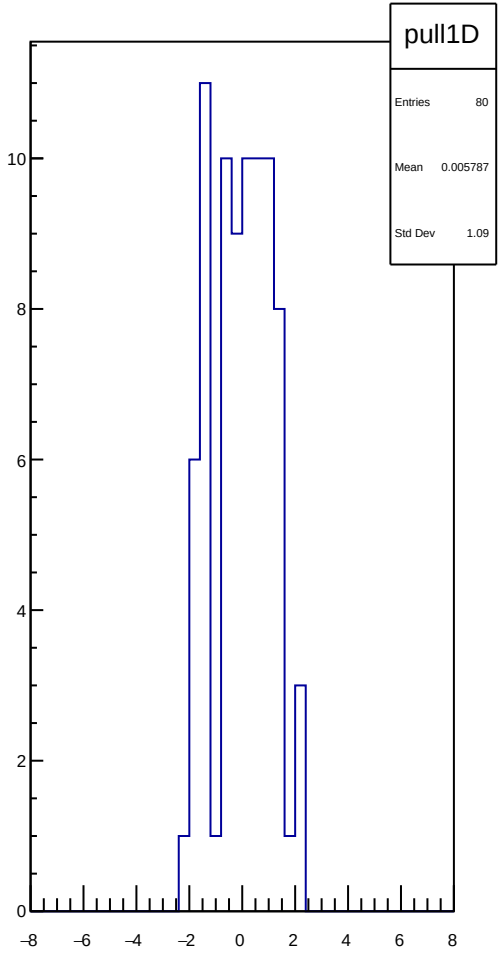

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1780 / 79
p0 668.8 ± 0.5352
720
700
680
660
640
620
600

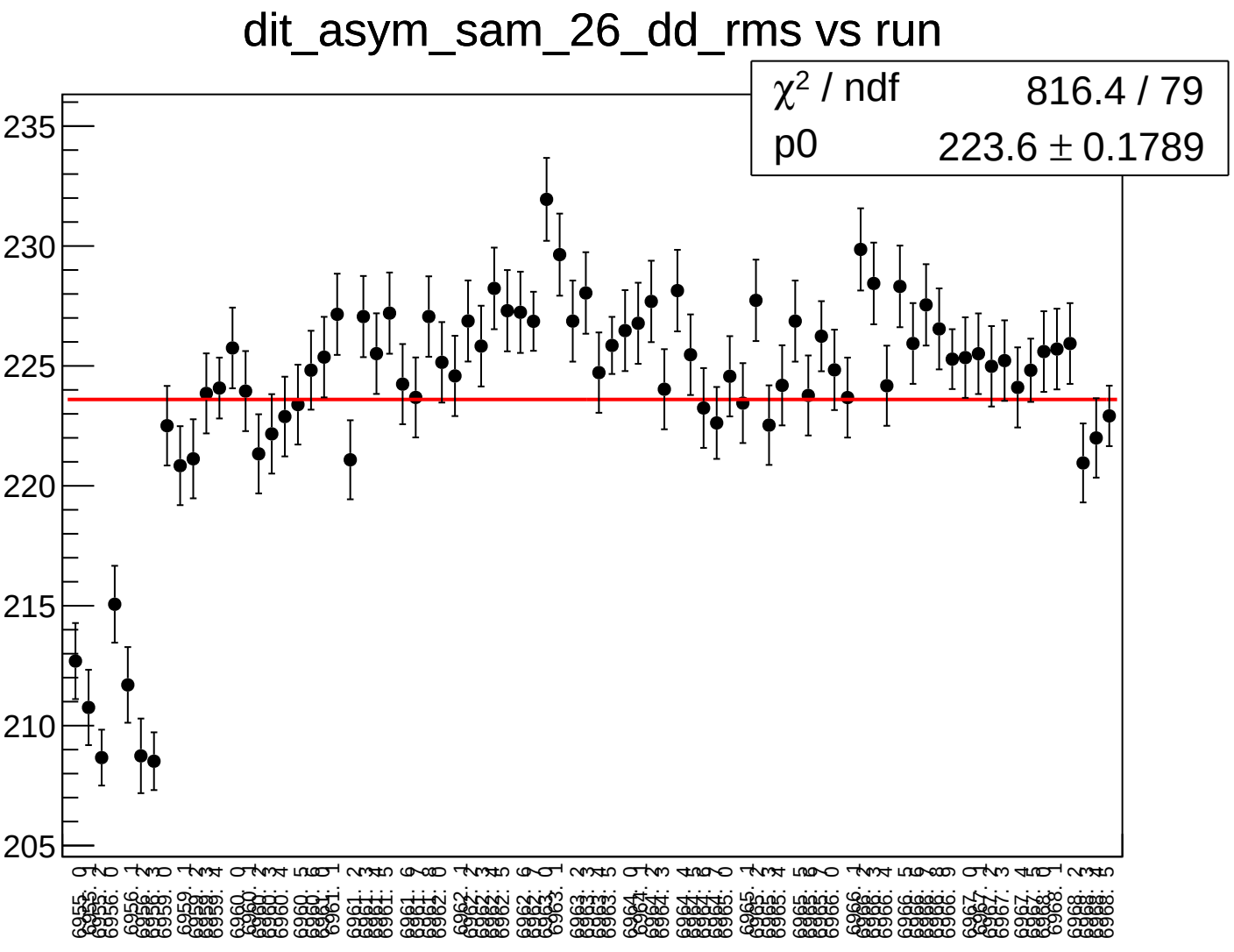

asym_sam_15_dd_mean vs run
χ² / ndf 78.45 / 79
p0 −684.4 ± 745.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 4042
Std Dev 4009
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

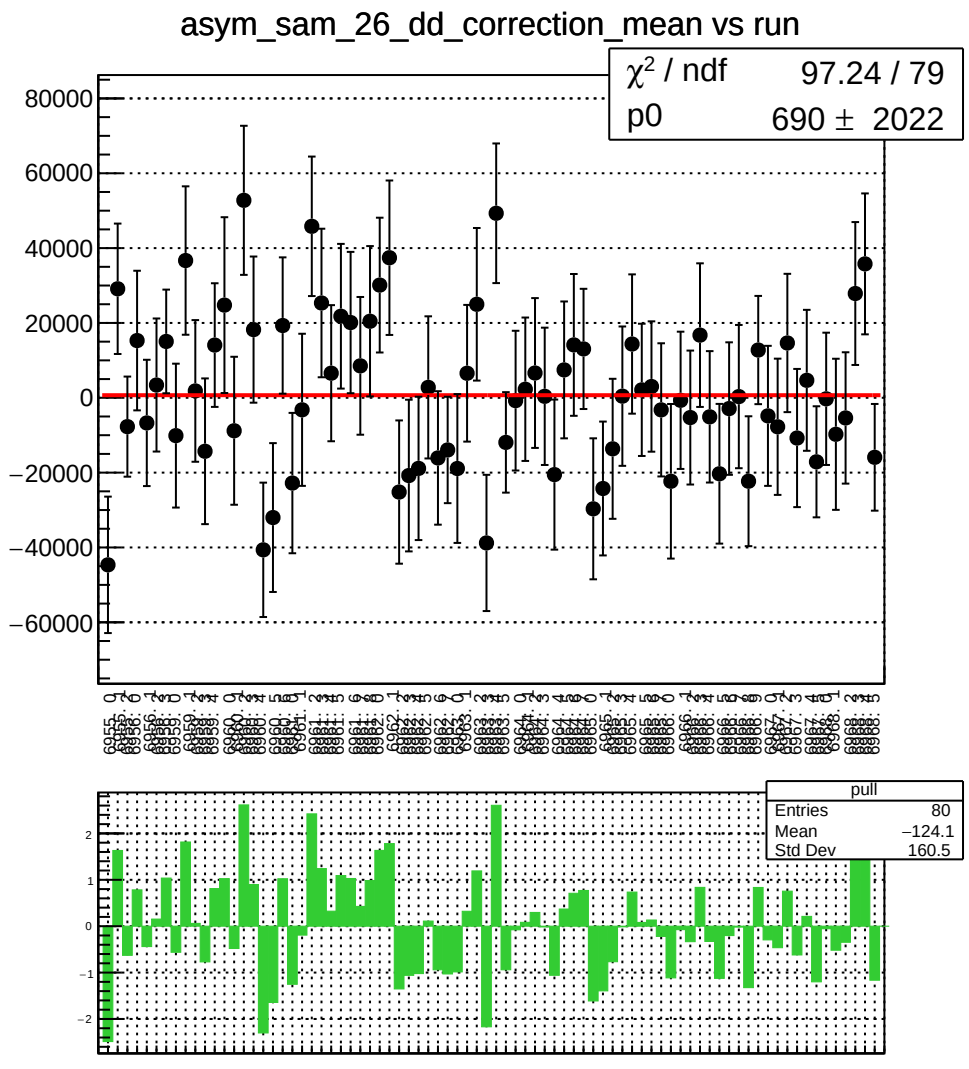

pull1D
Entries 80
Mean 0.0007979
Std Dev 0.9902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

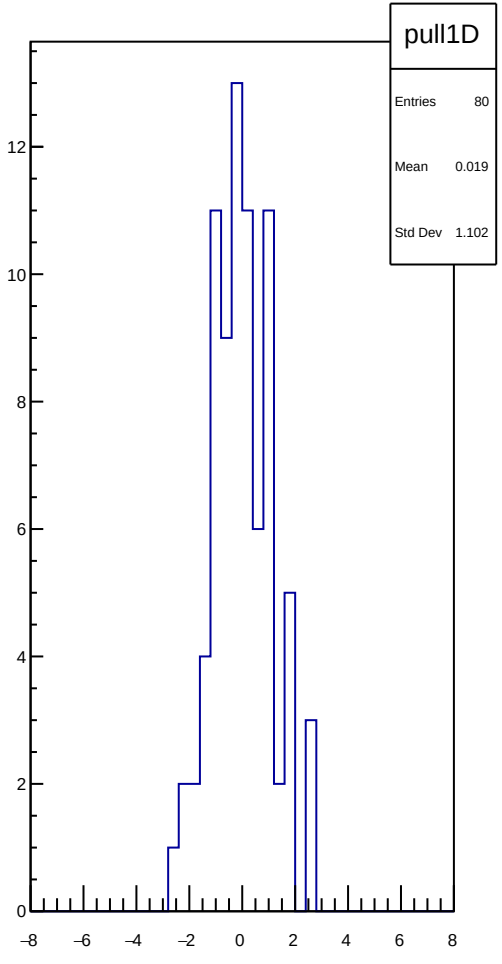

asym_sam_15_dd_rms vs run
χ² / ndf 1737 / 79
p0 658.6 ± 0.527
720
700
680
660
640
620
600

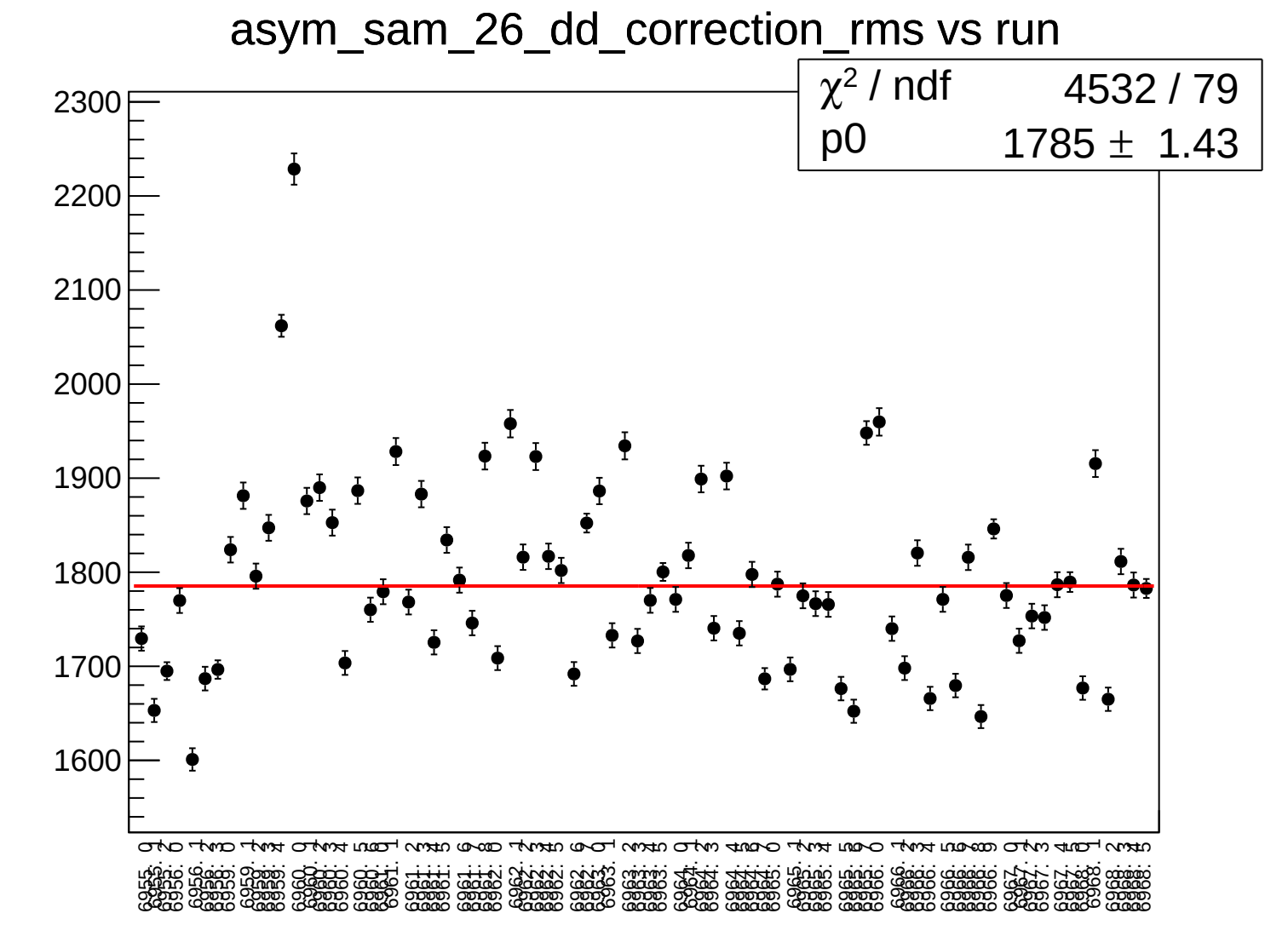

dit_asym_sam_26_dd_mean vs run
χ² / ndf 94.99 / 79
p0 55.87 ± 253
pull
Entries 80
Mean −691.7
Std Dev 735.4

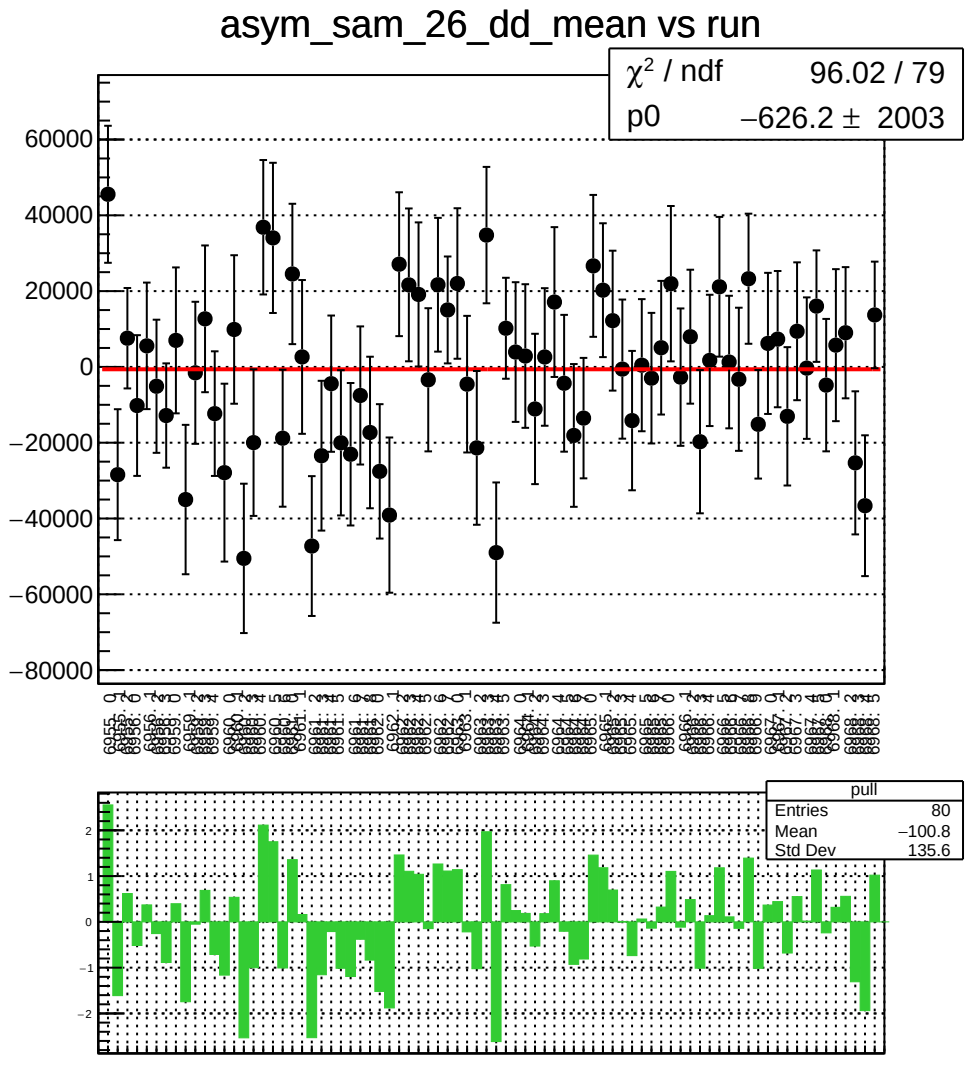

pull1D
Entries 80
Mean 0.005787
Std Dev 1.09

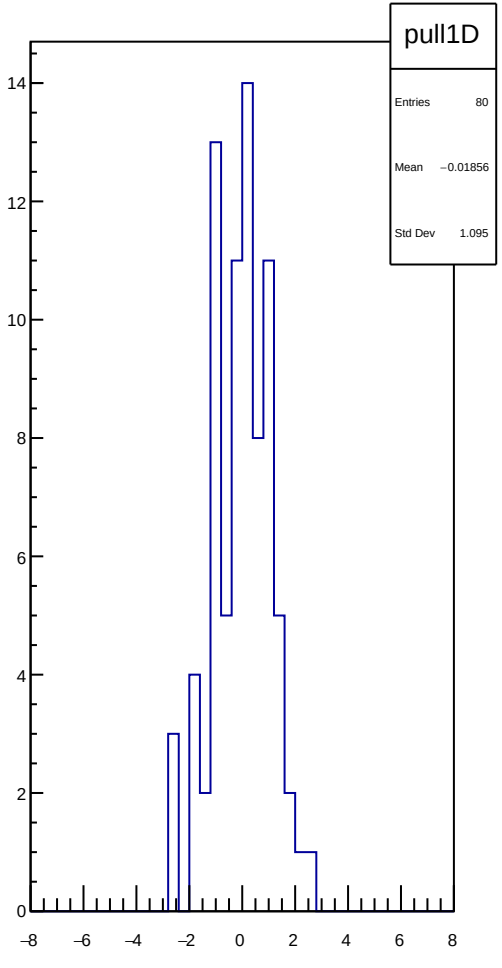

dit_asym_sam_26_dd_rms vs run
χ² / ndf 816.4 / 79
p0 223.6 ± 0.1789
235
230
225
220
215
210
205

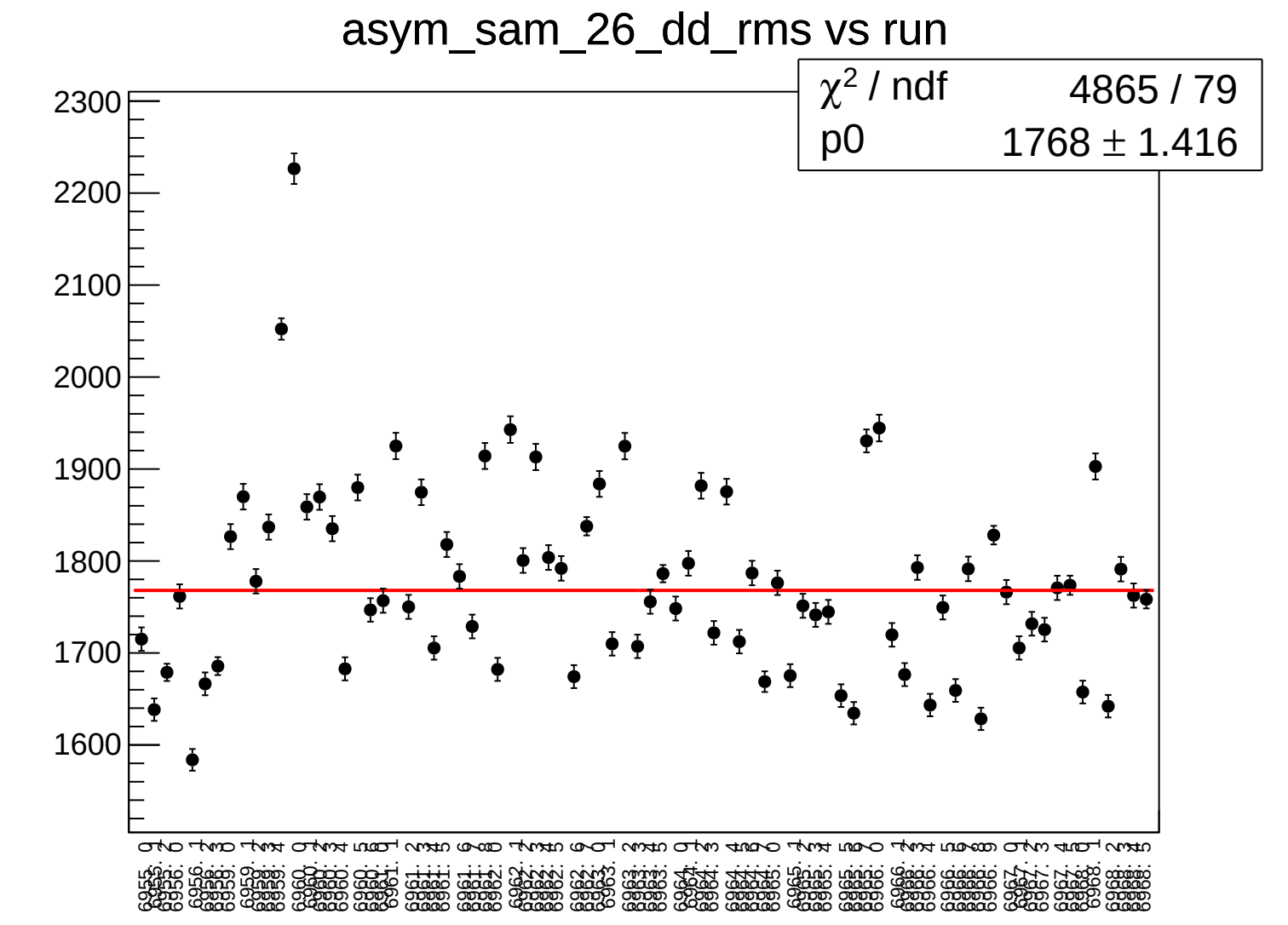

asym_sam_26_dd_correction_mean vs run
χ² / ndf 97.24 / 79
p0 690 ± 2022
pull
Entries 80
Mean −124.1
Std Dev 160.5

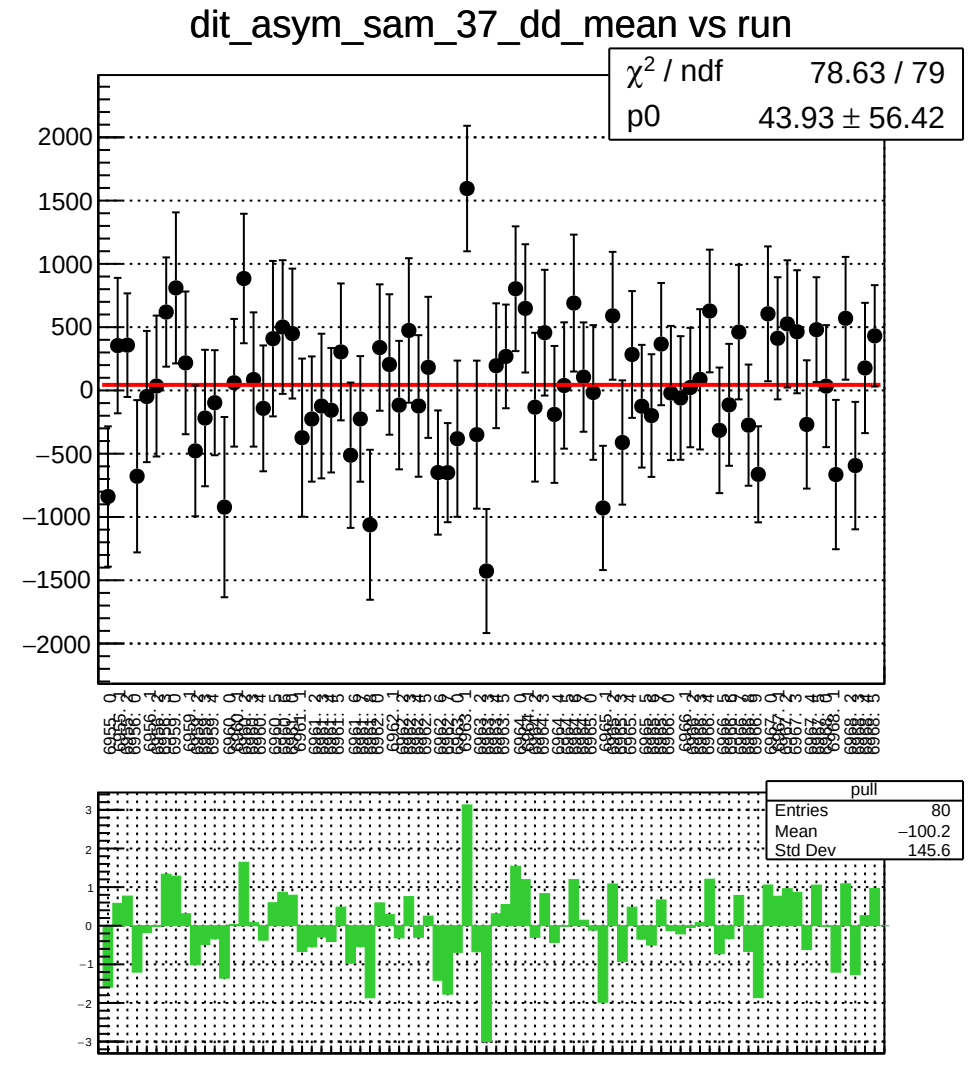

pull1D
Entries 80
Mean 0.019
Std Dev 1.102

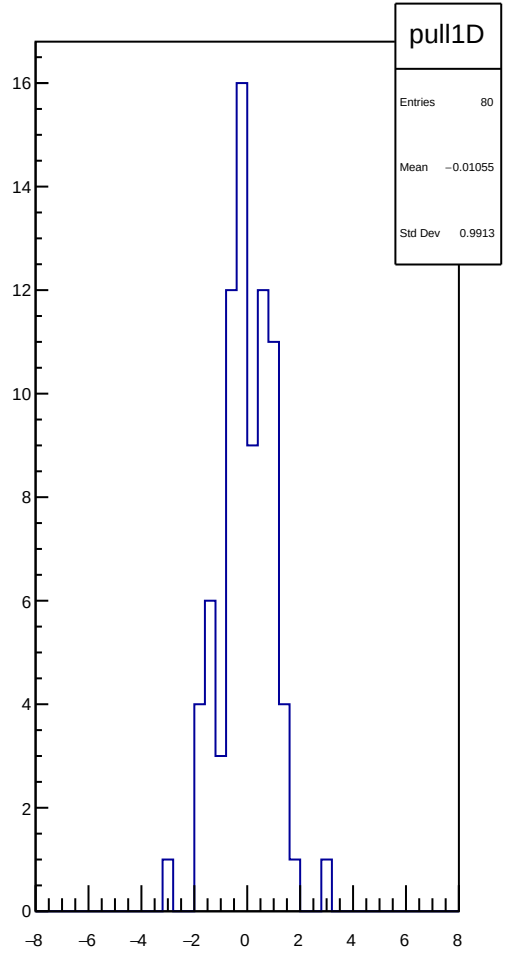

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4532 / 79
p0 1785 ± 1.43
2300
2200
2100
2000
1900
1800
1700
1600

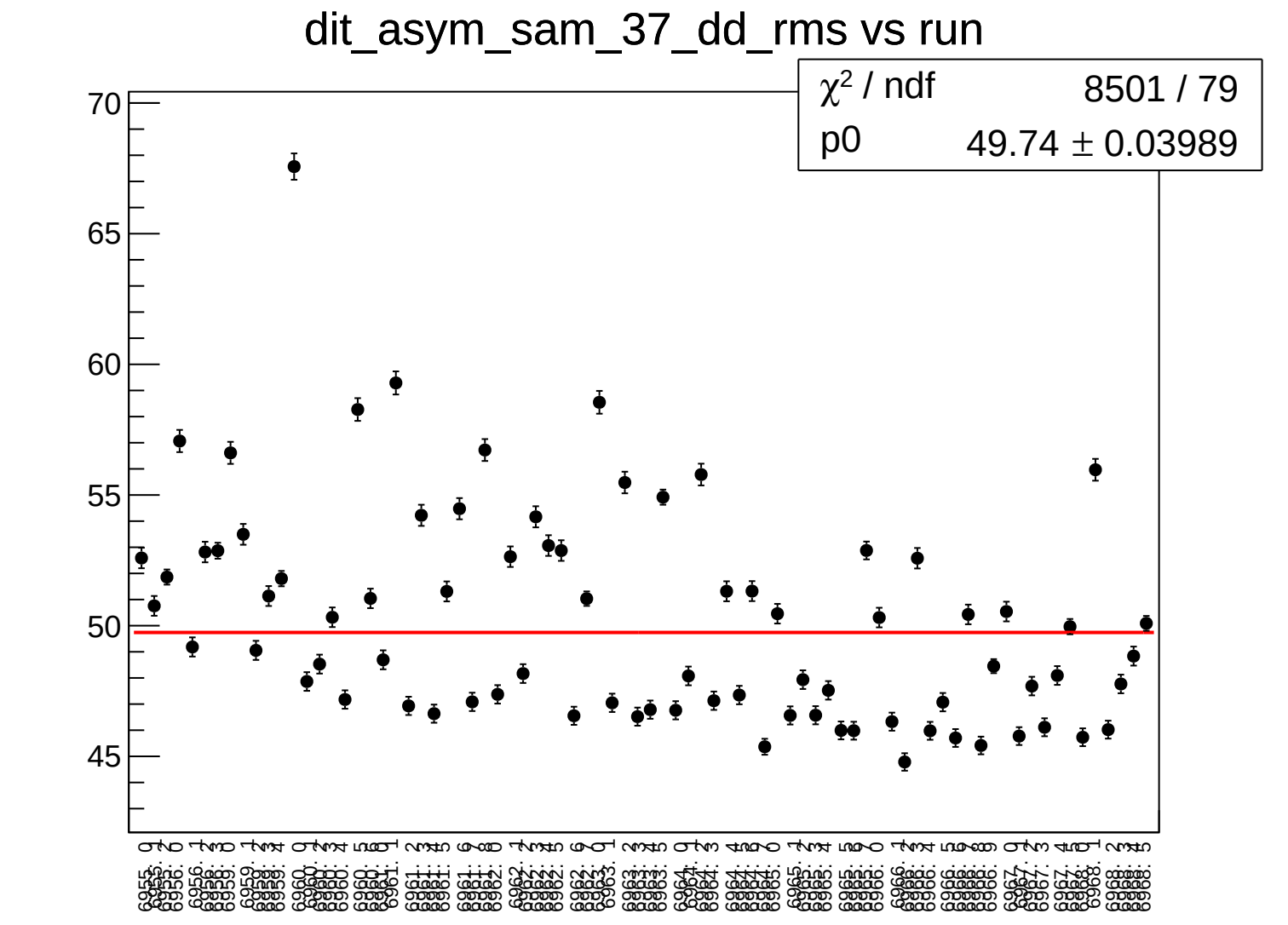

asym_sam_26_dd_mean vs run
χ² / ndf 96.02 / 79
p0 −626.2 ± 2003
pull
Entries 80
Mean −100.8
Std Dev 135.6

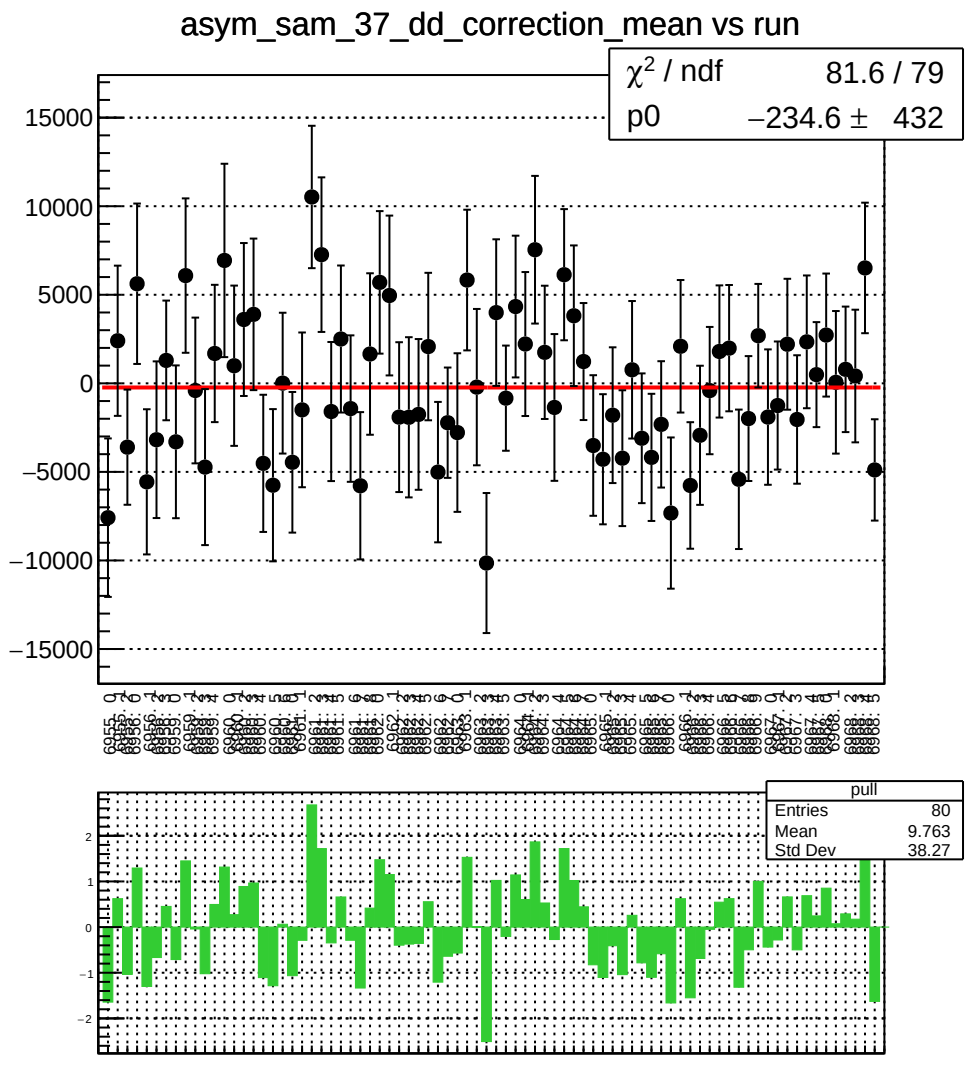

pull1D
Entries 80
Mean −0.01856
Std Dev 1.095

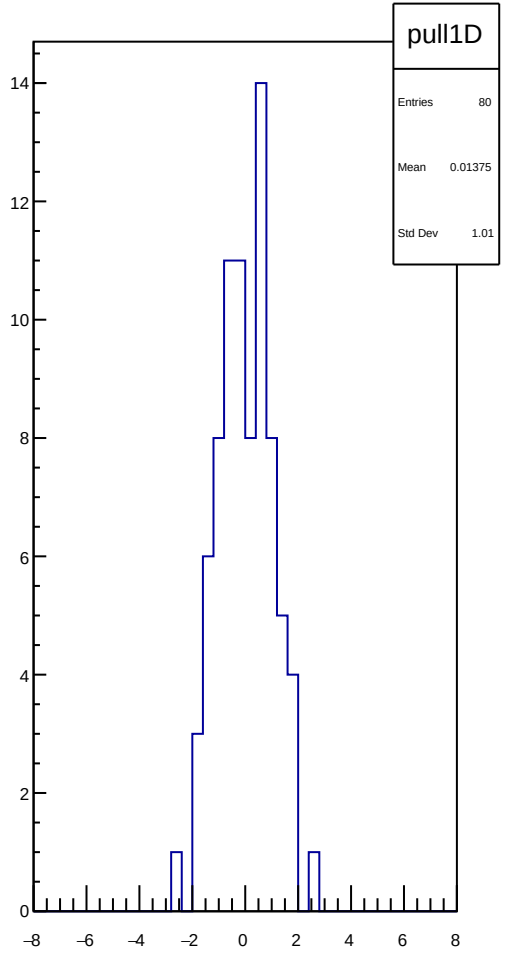

asym_sam_26_dd_rms vs run
χ² / ndf 4865 / 79
p0 1768 ± 1.416
2300
2200
2100
2000
1900
1800
1700
1600

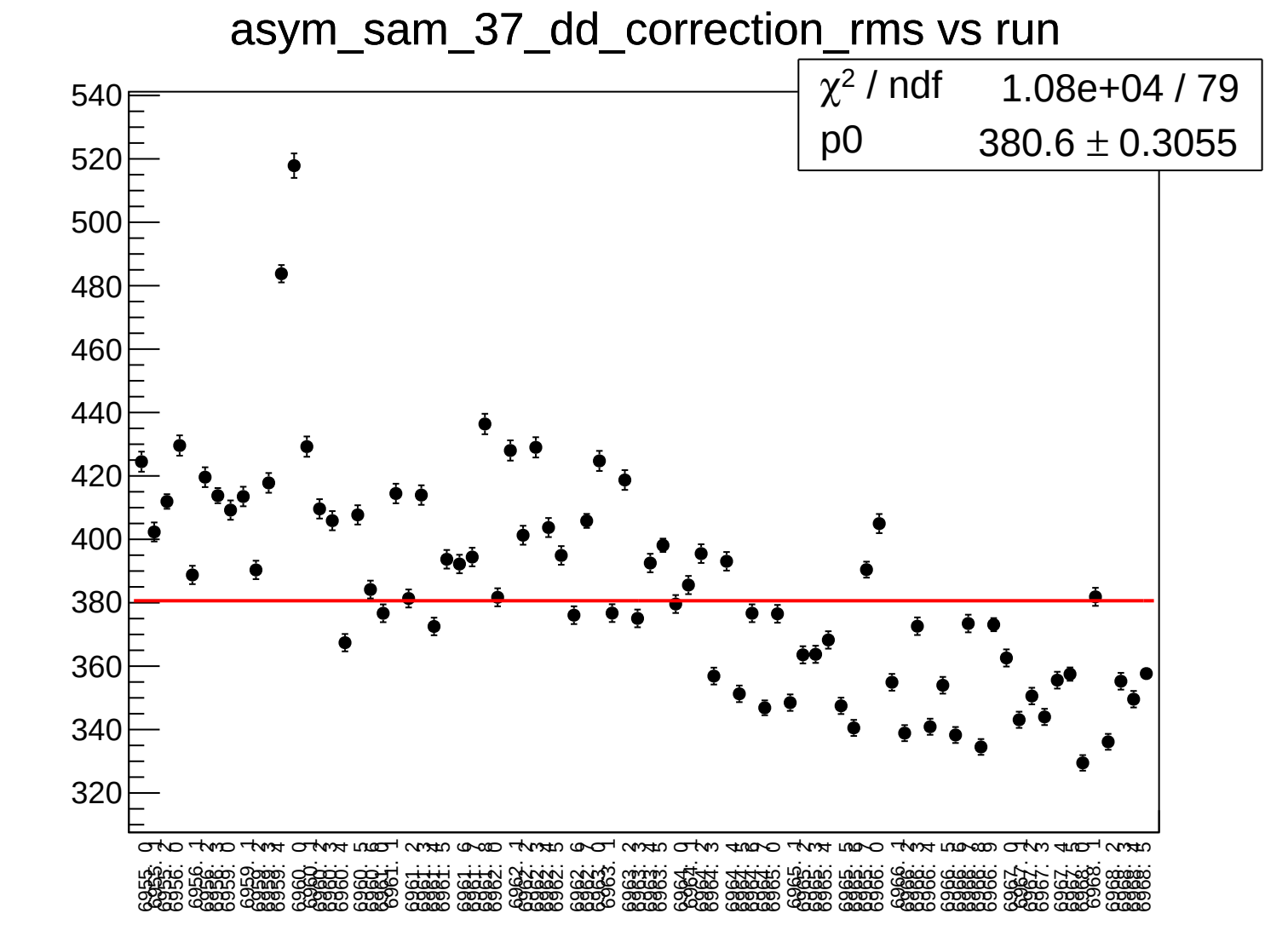

dit_asym_sam_37_dd_mean vs run
χ² / ndf 78.63 / 79
p0 43.93 ± 56.42
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 80
Mean −100.2
Std Dev 145.6
3
2
1
0
−1
−2
−3

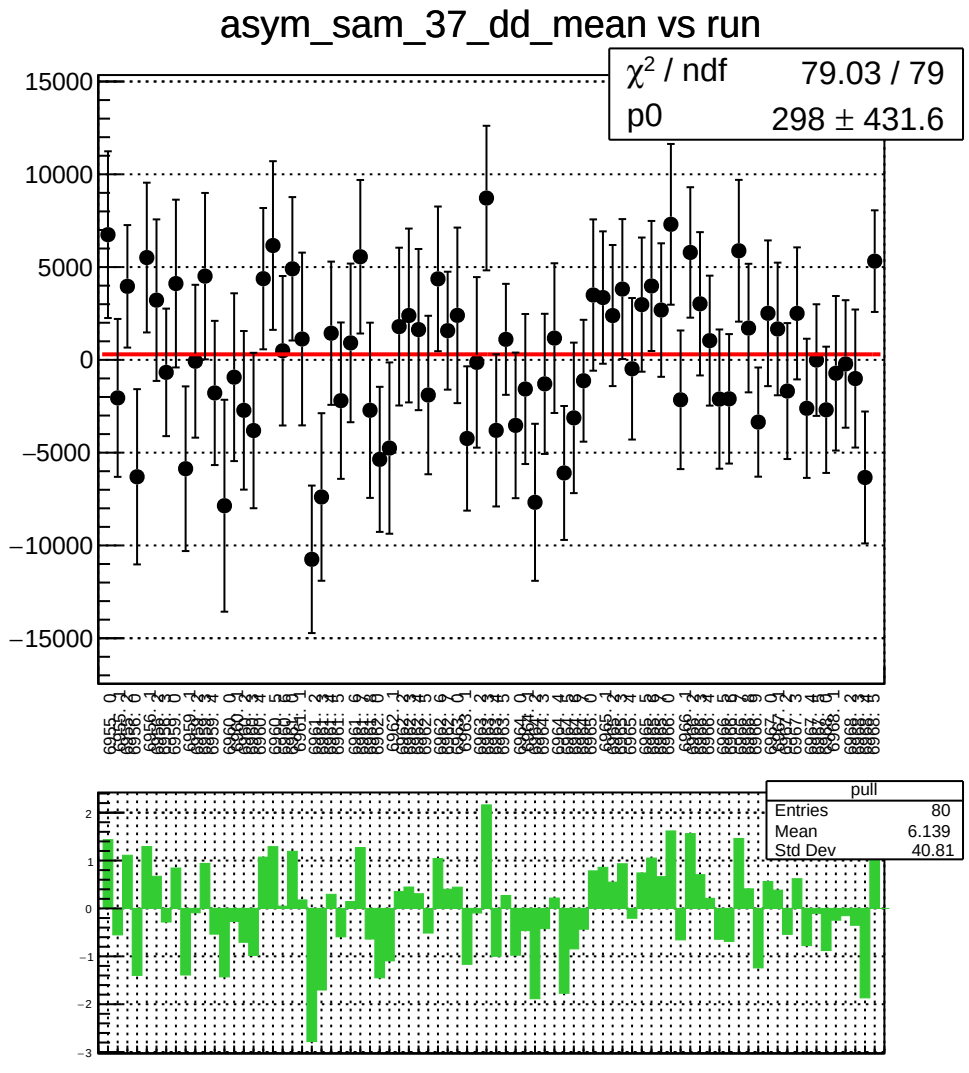

pull1D
Entries 80
Mean −0.01055
Std Dev 0.9913
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

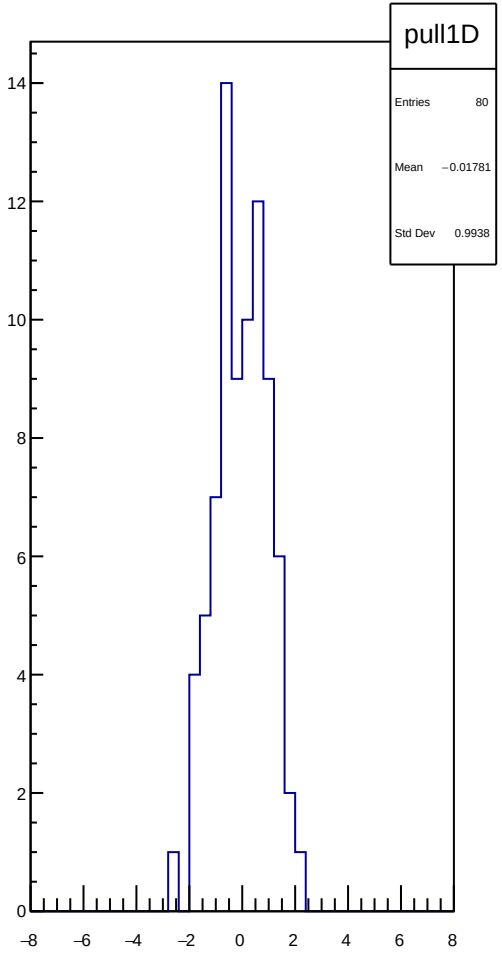

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 8501 / 79
p0 49.74 ± 0.03989
70
65
60
55
50
45

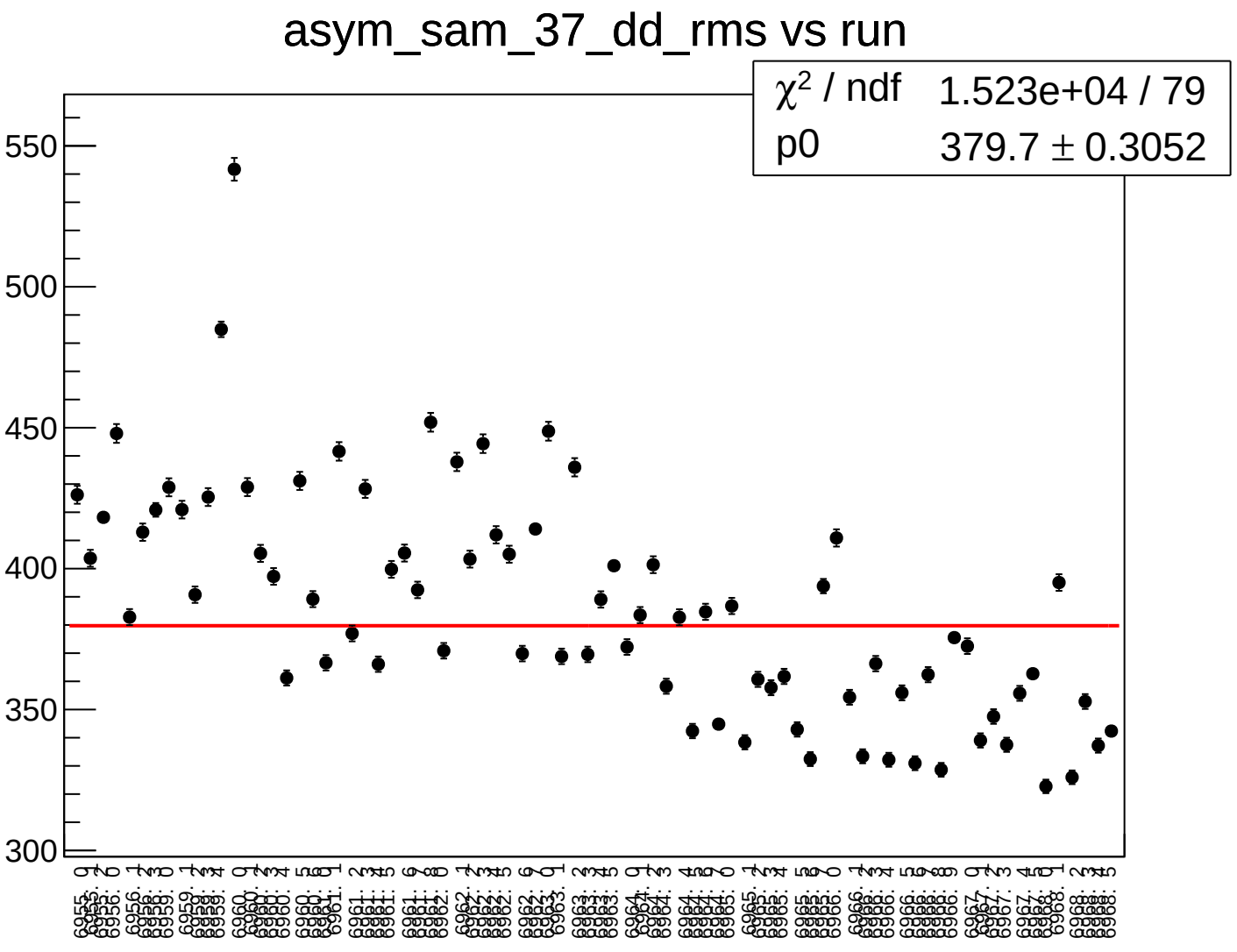

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.6 / 79
p0 −234.6 ± 432
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 9.763
Std Dev 38.27
2
1
0
−1
−2

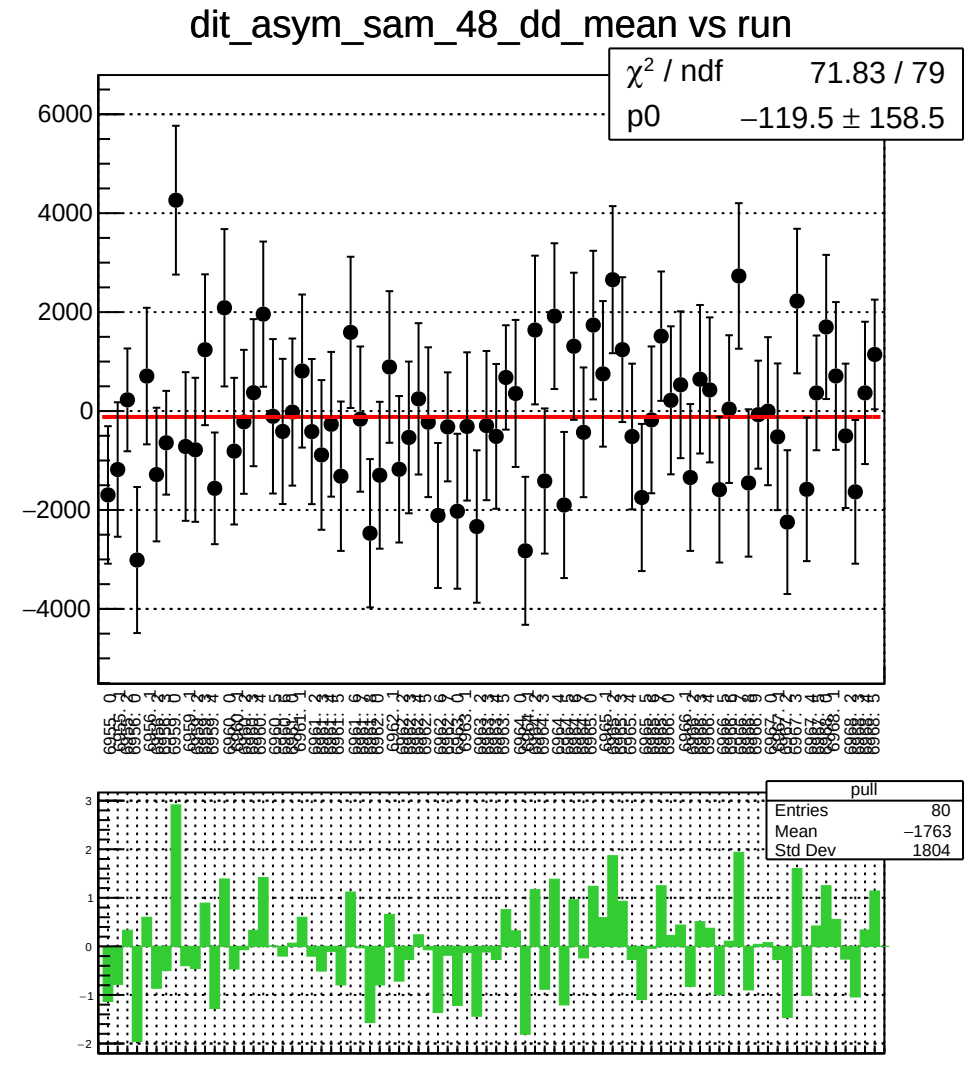

pull1D
Entries 80
Mean 0.01375
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

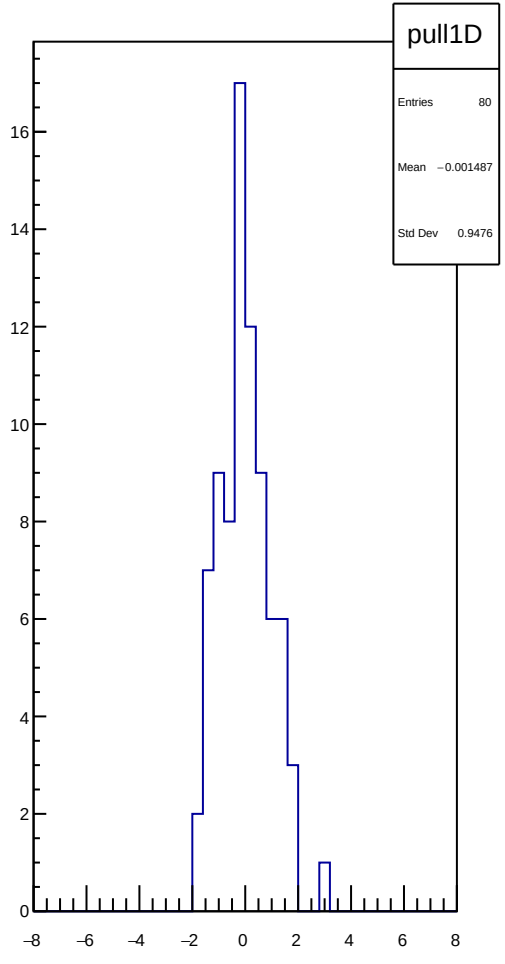

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.08e+04 / 79
p0 380.6 ± 0.3055
540
520
500
480
460
440
420
400
380
360
340
320

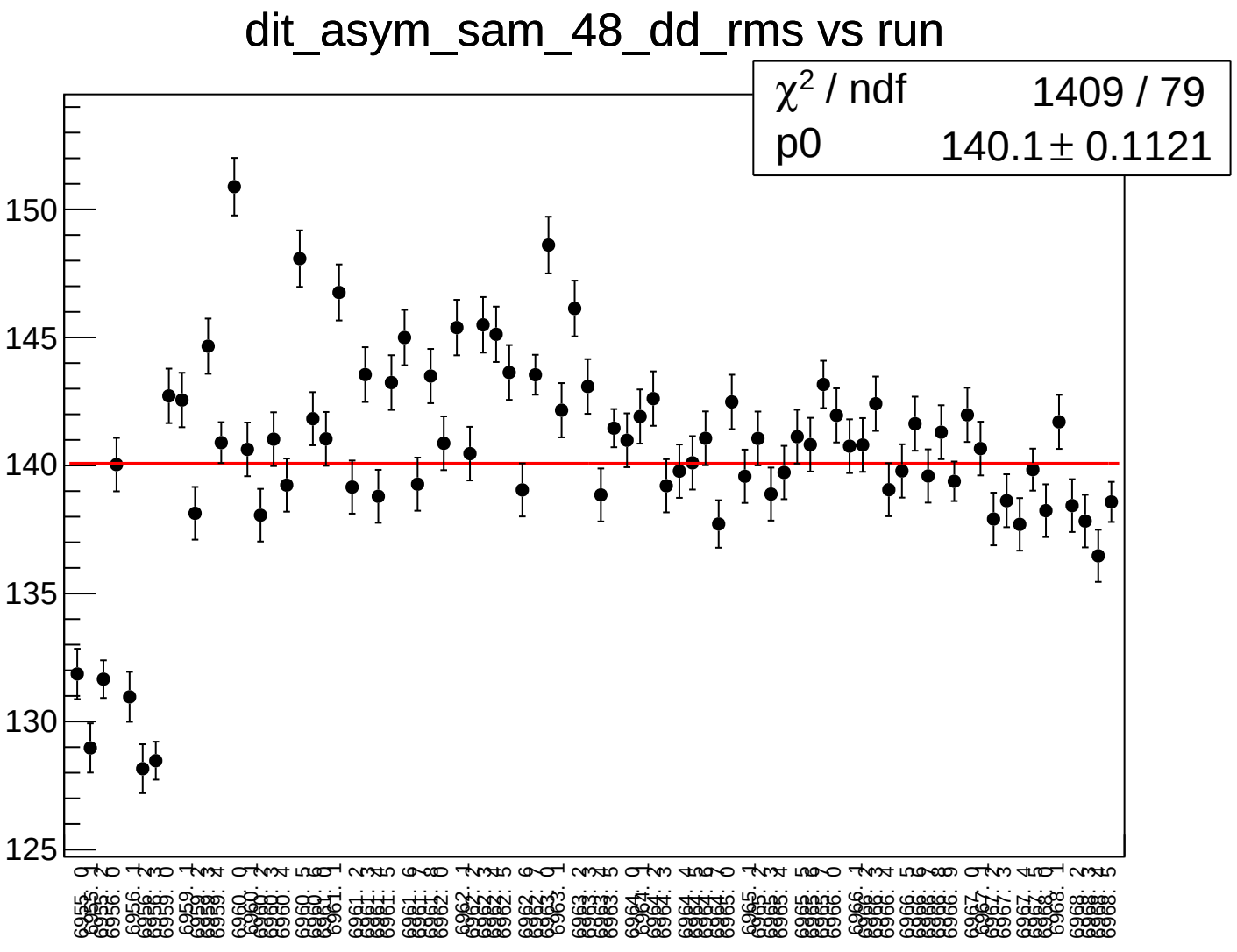

asym_sam_37_dd_mean vs run
χ² / ndf 79.03 / 79
p0 298 ± 431.6
pull
Entries 80
Mean 6.139
Std Dev 40.81

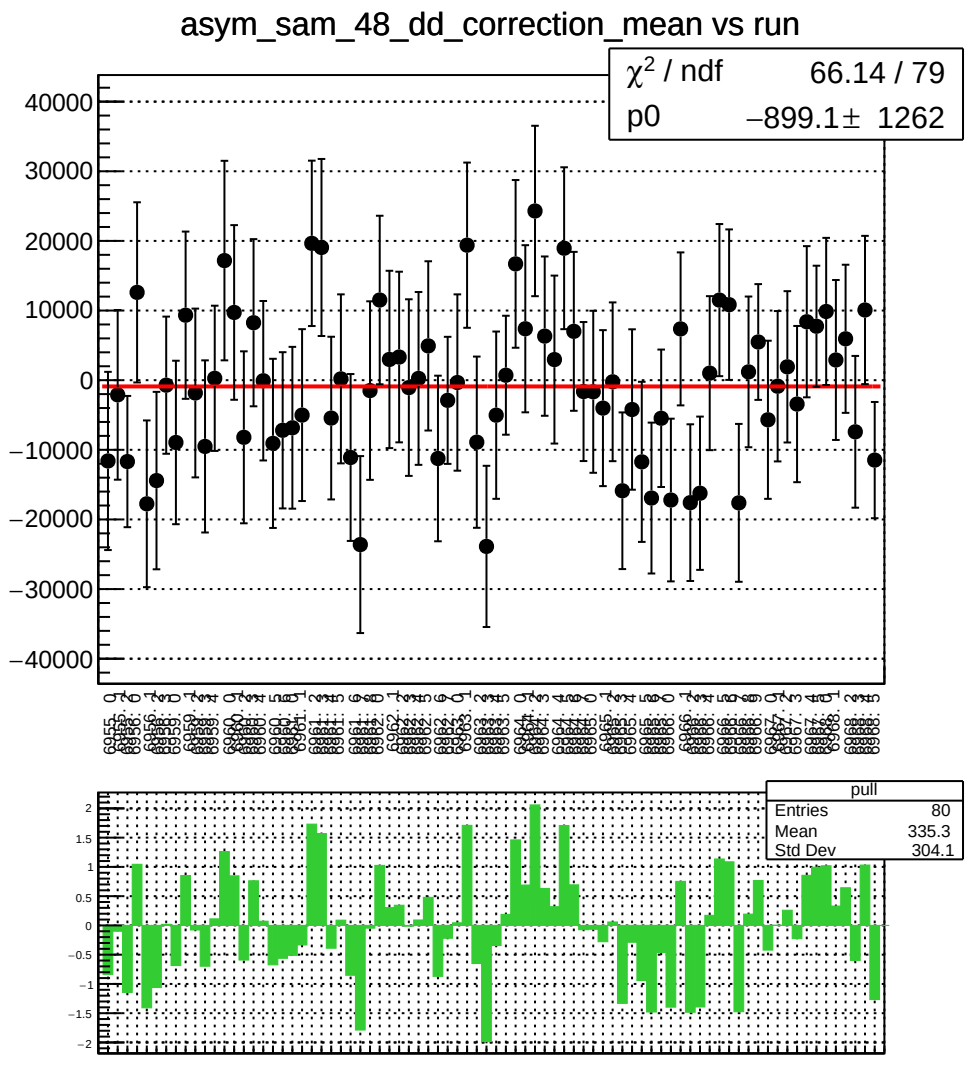

pull1D
Entries 80
Mean −0.01781
Std Dev 0.9938

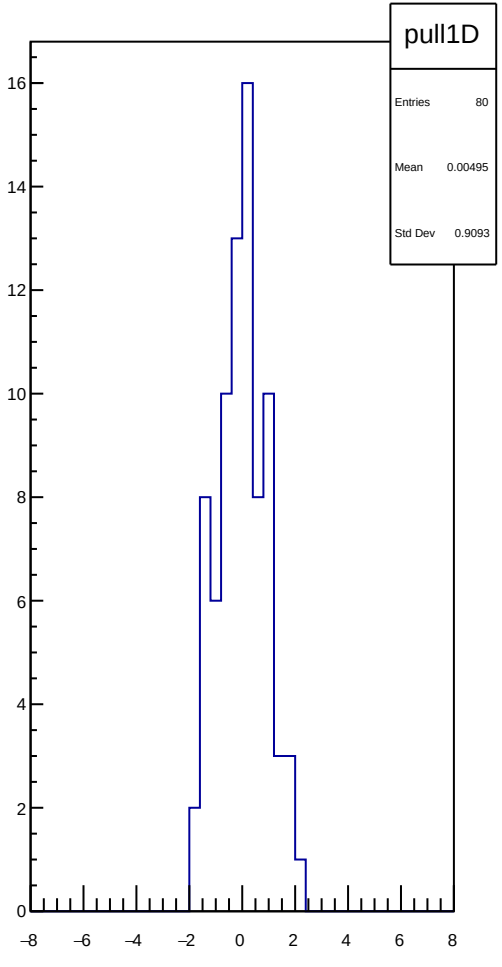

asym_sam_37_dd_rms vs run
χ² / ndf 1.523e+04 / 79
p0 379.7 ± 0.3052
550
500
450
400
350
300

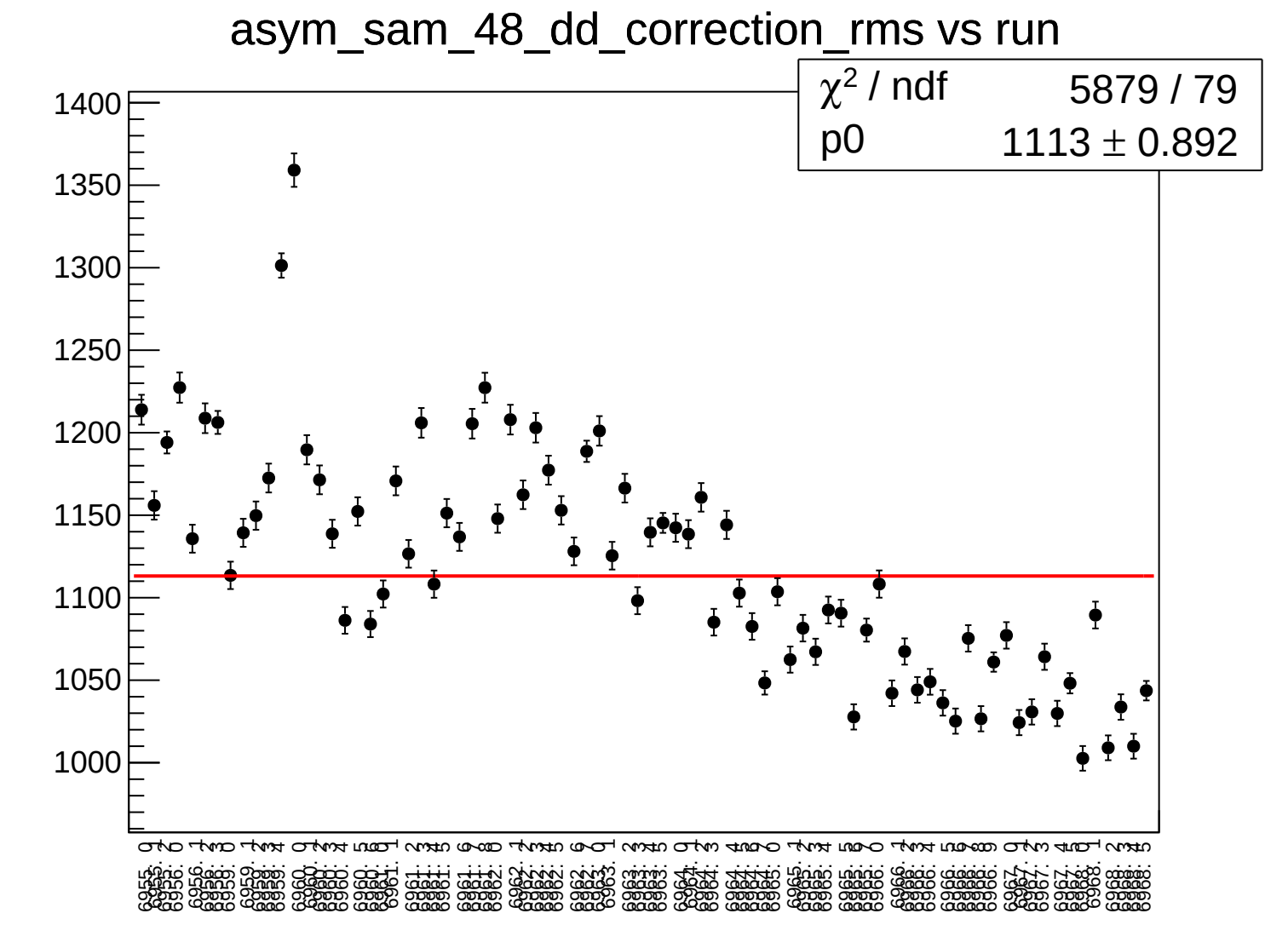

dit_asym_sam_48_dd_mean vs run
χ² / ndf 71.83 / 79
p0 −119.5 ± 158.5
6000
4000
2000
0
−2000
−4000
pull
Entries 80
Mean −1763
Std Dev 1804
3
2
1
0
−1
−2

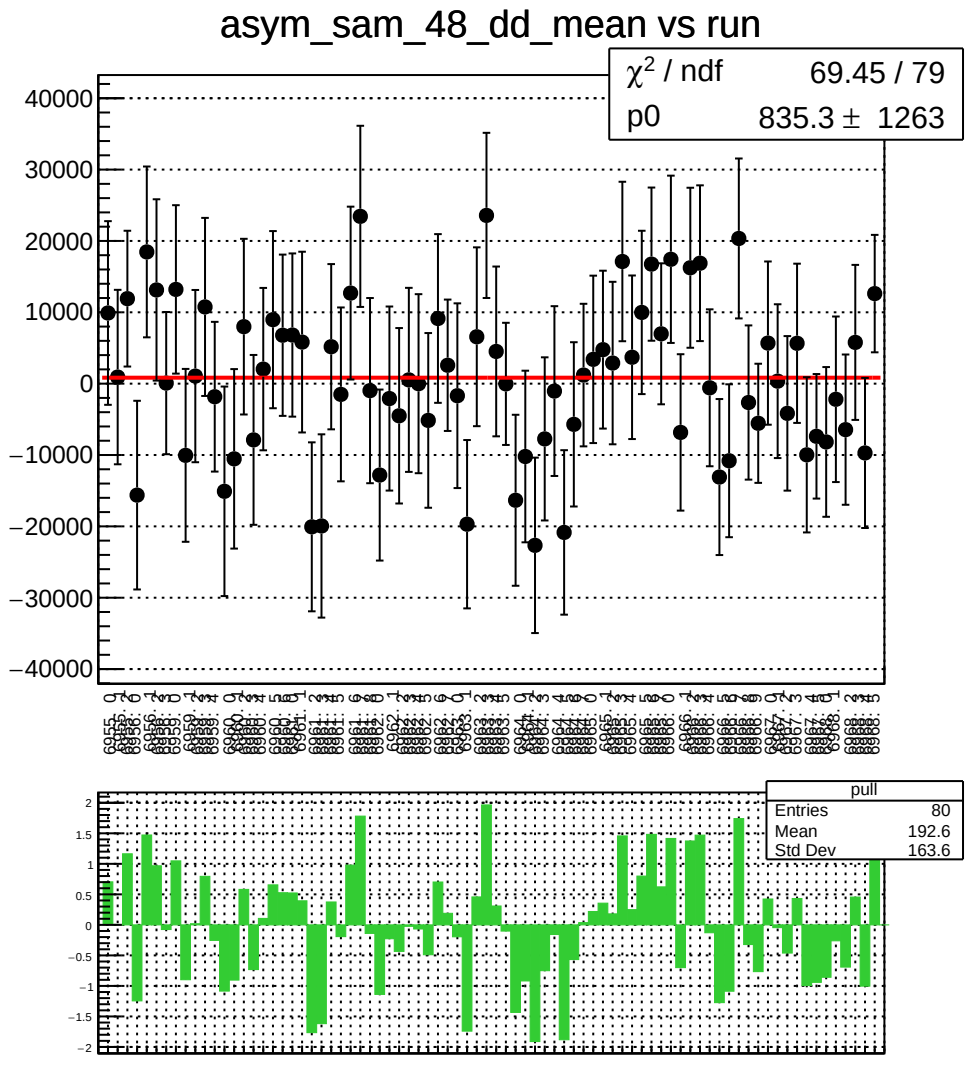

pull1D
Entries 80
Mean −0.001487
Std Dev 0.9476
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

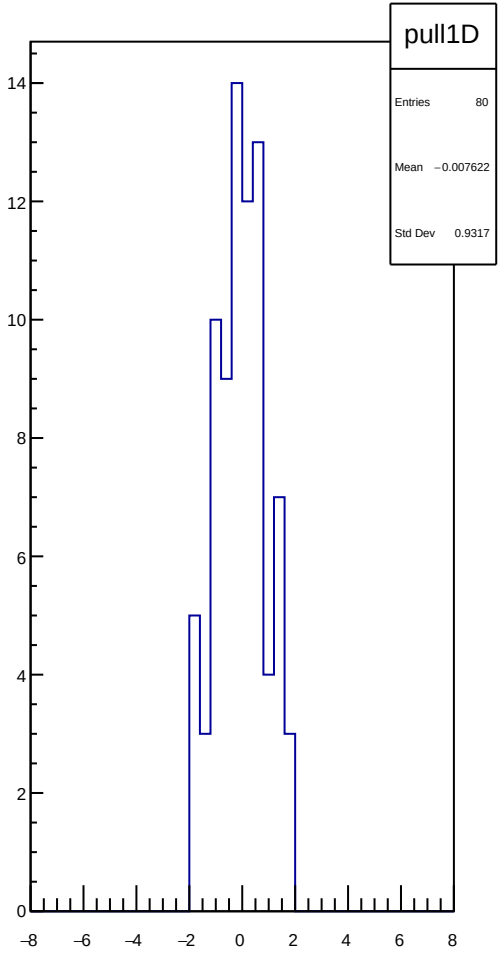

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1409 / 79
p0 140.1 ± 0.1121
150
145
140
135
130
125

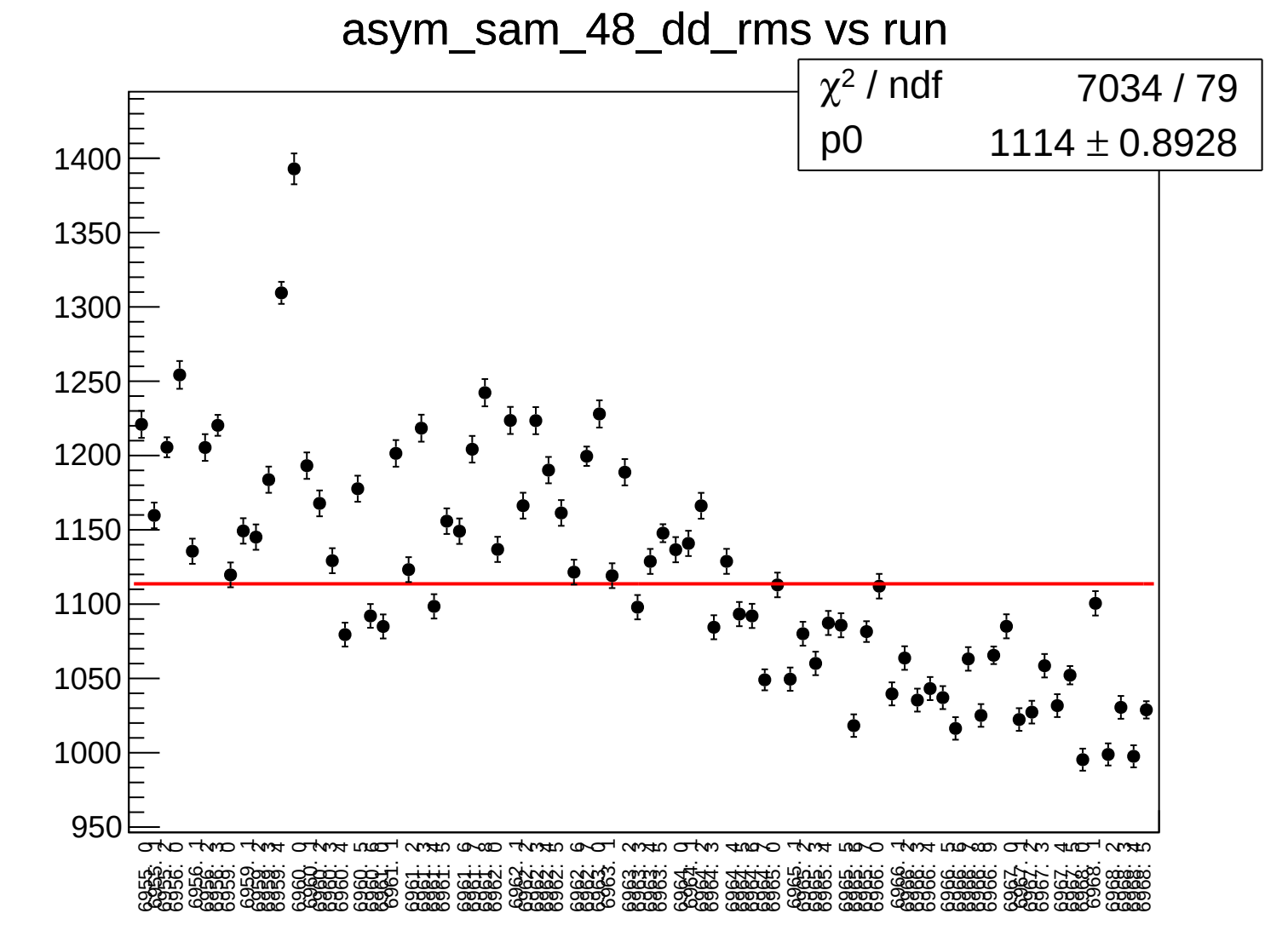

asym_sam_48_dd_correction_mean vs run
χ² / ndf 66.14 / 79
p0 −899.1± 1262
pull
Entries 80
Mean 335.3
Std Dev 304.1

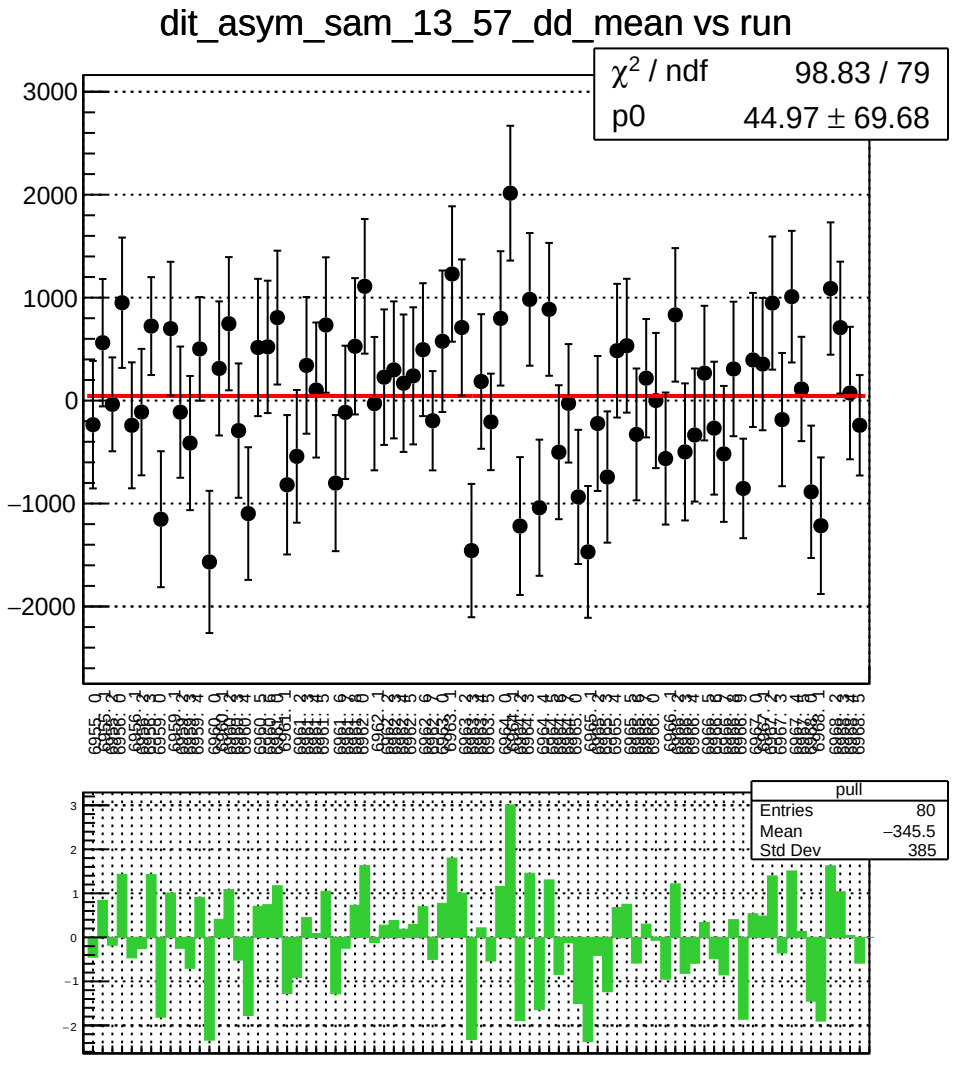

pull1D
Entries 80
Mean 0.00495
Std Dev 0.9093

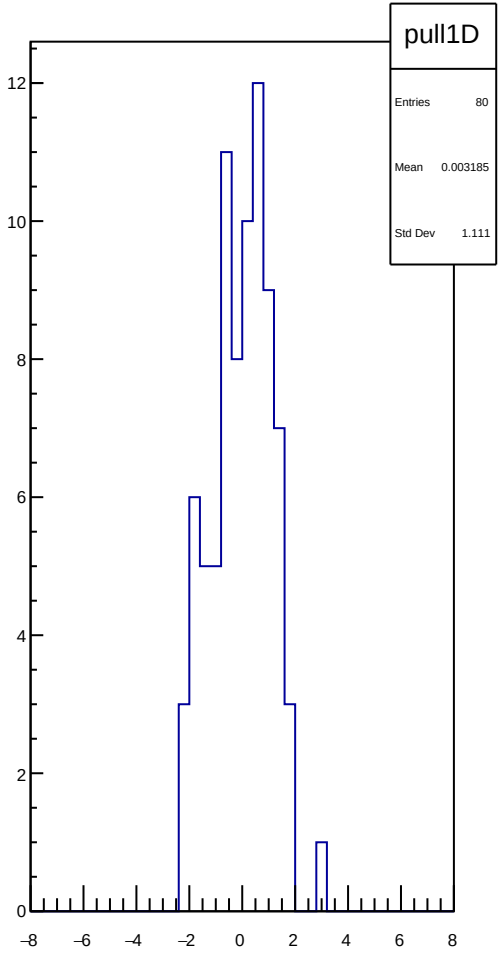

asym_sam_48_dd_correction_rms vs run
χ² / ndf 5879 / 79
p0 1113 ± 0.892
1400
1350
1300
1250
1200
1150
1100
1050
1000

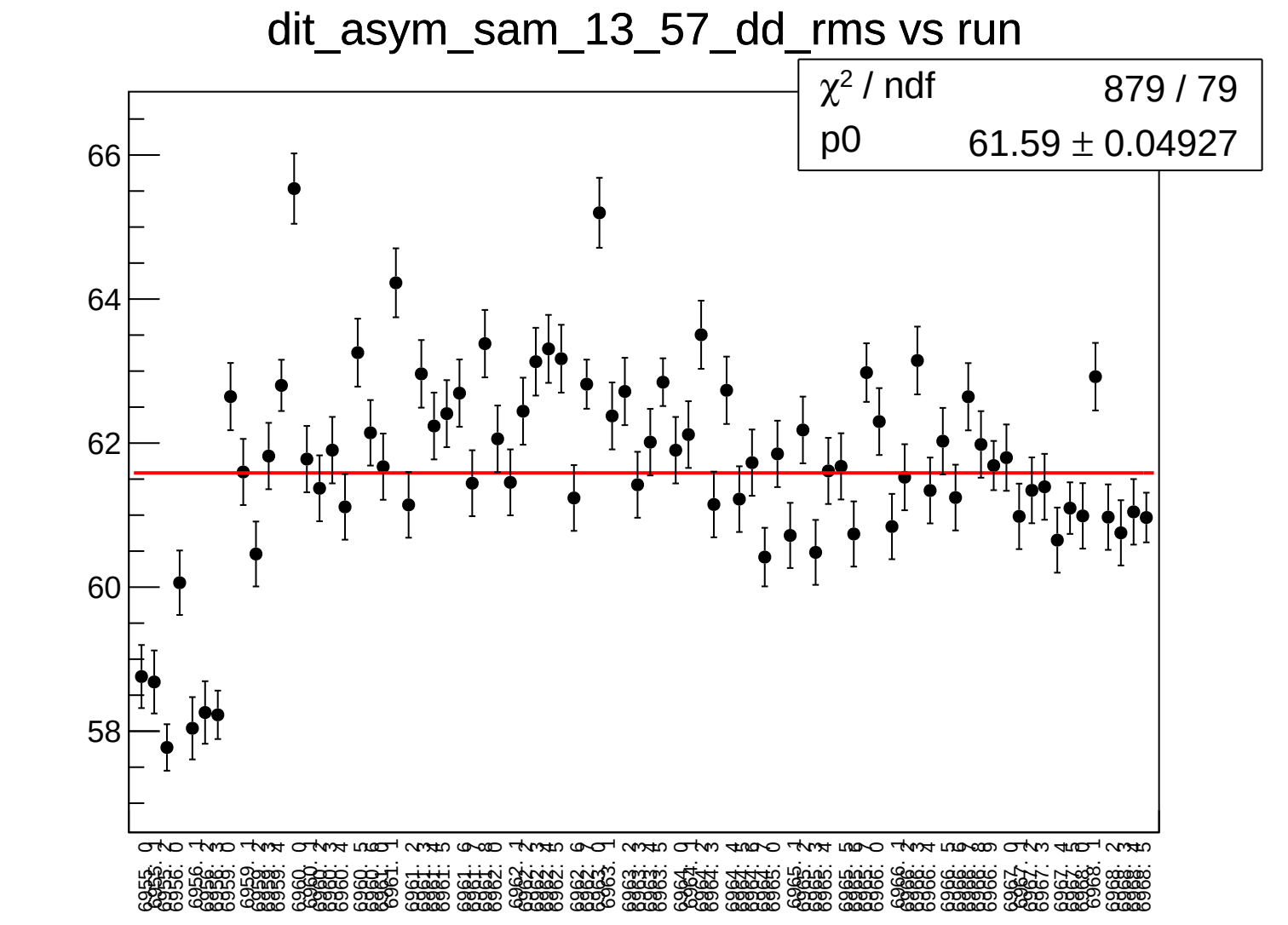

asym_sam_48_dd_mean vs run
χ² / ndf 69.45 / 79
p0 835.3 ± 1263
pull
Entries 80
Mean 192.6
Std Dev 163.6

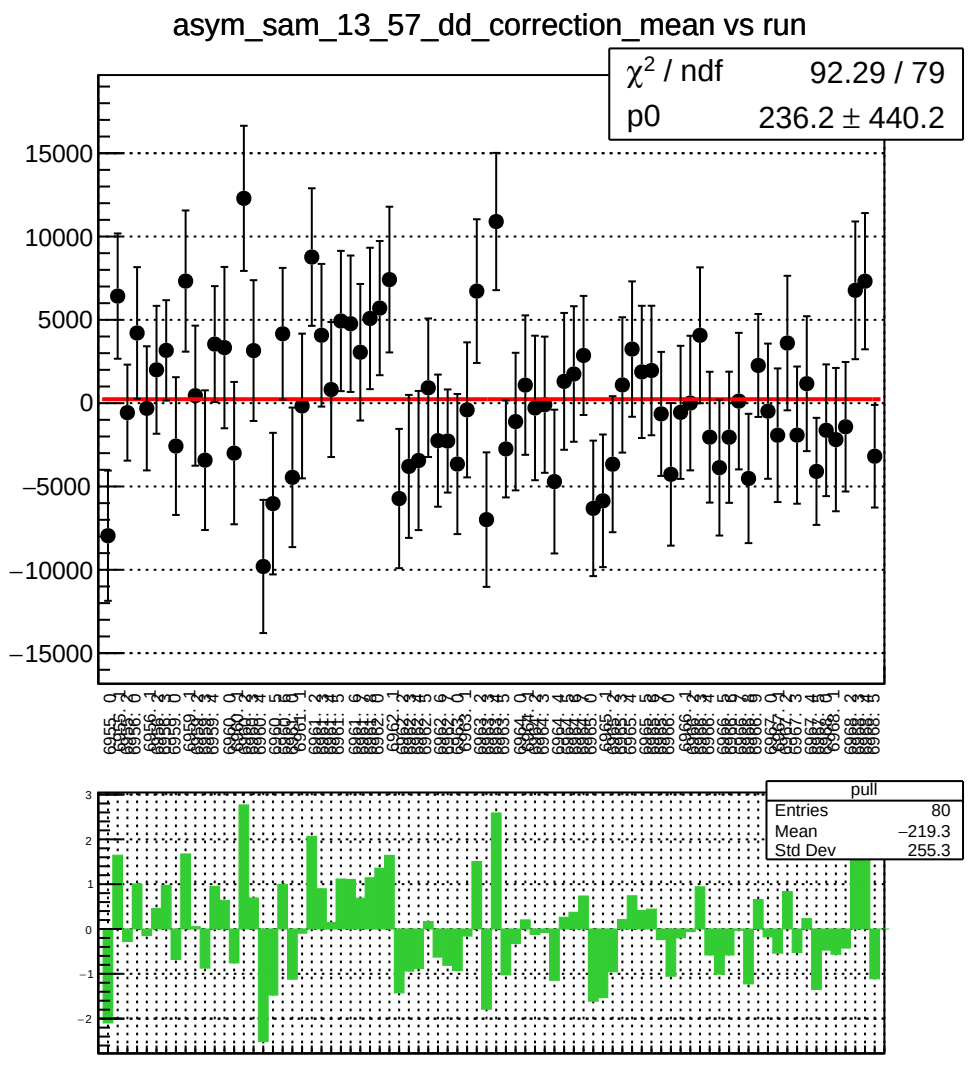

pull1D
Entries 80
Mean −0.007622
Std Dev 0.9317

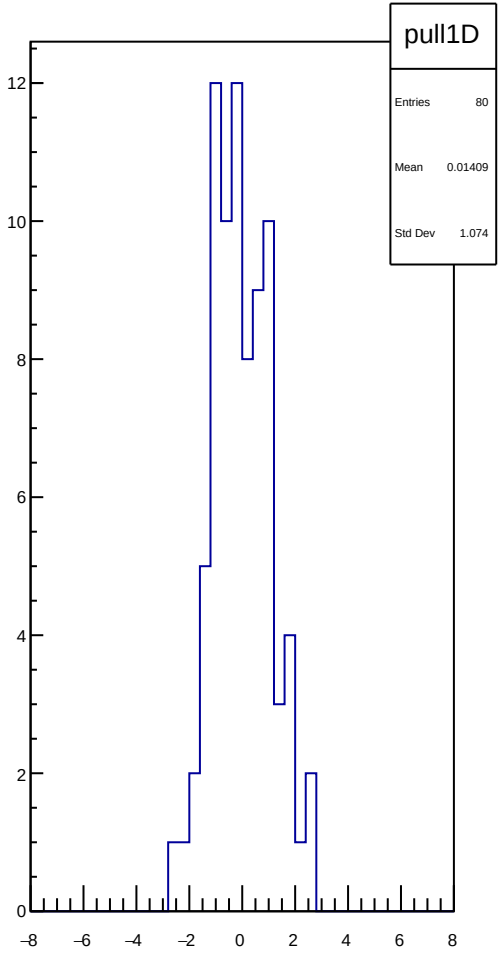

asym_sam_48_dd_rms vs run
χ² / ndf 7034 / 79
p0 1114 ± 0.8928
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

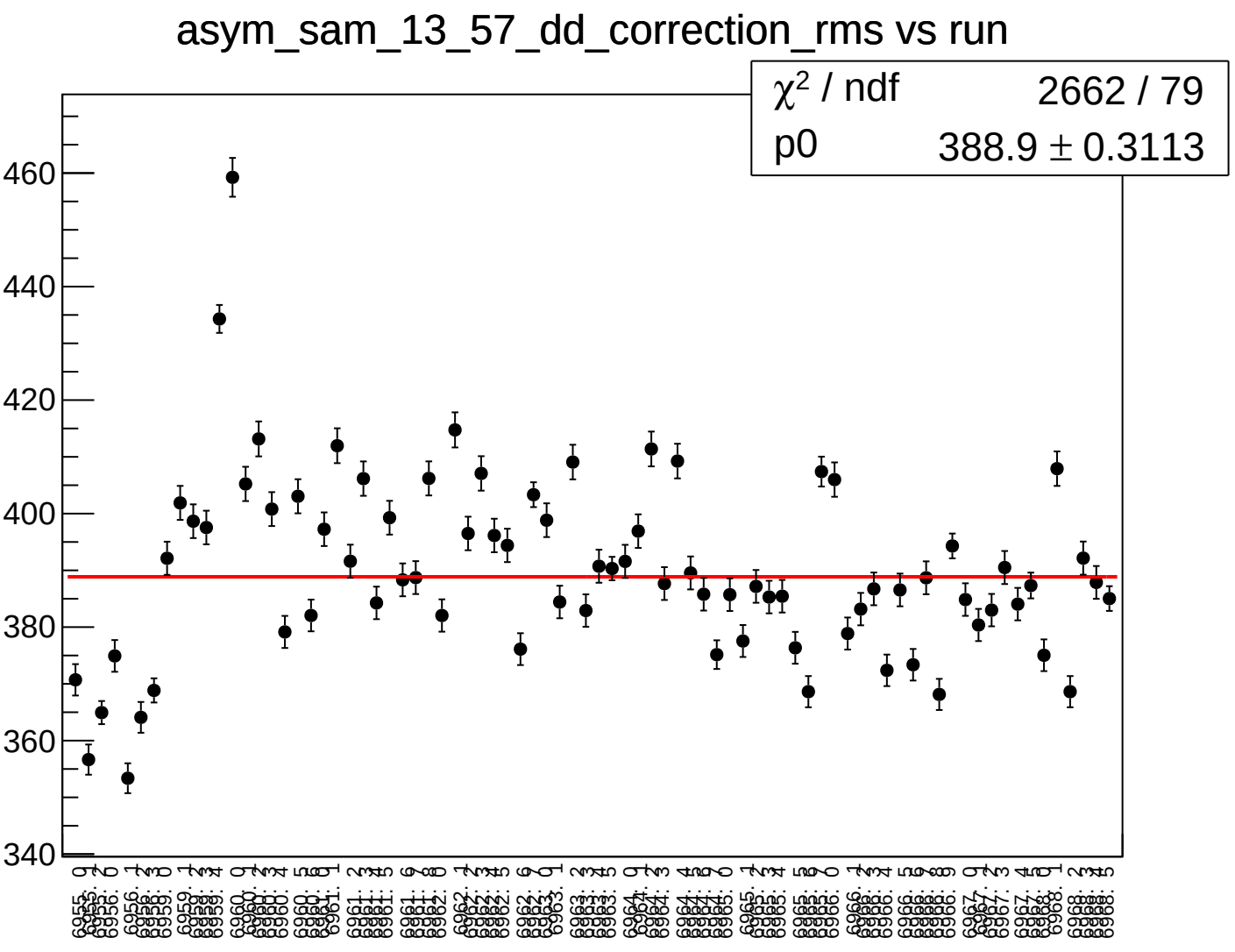

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 98.83 / 79
p0 44.97 ± 69.68
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −345.5
Std Dev 385
3
2
1
0
−1
−2

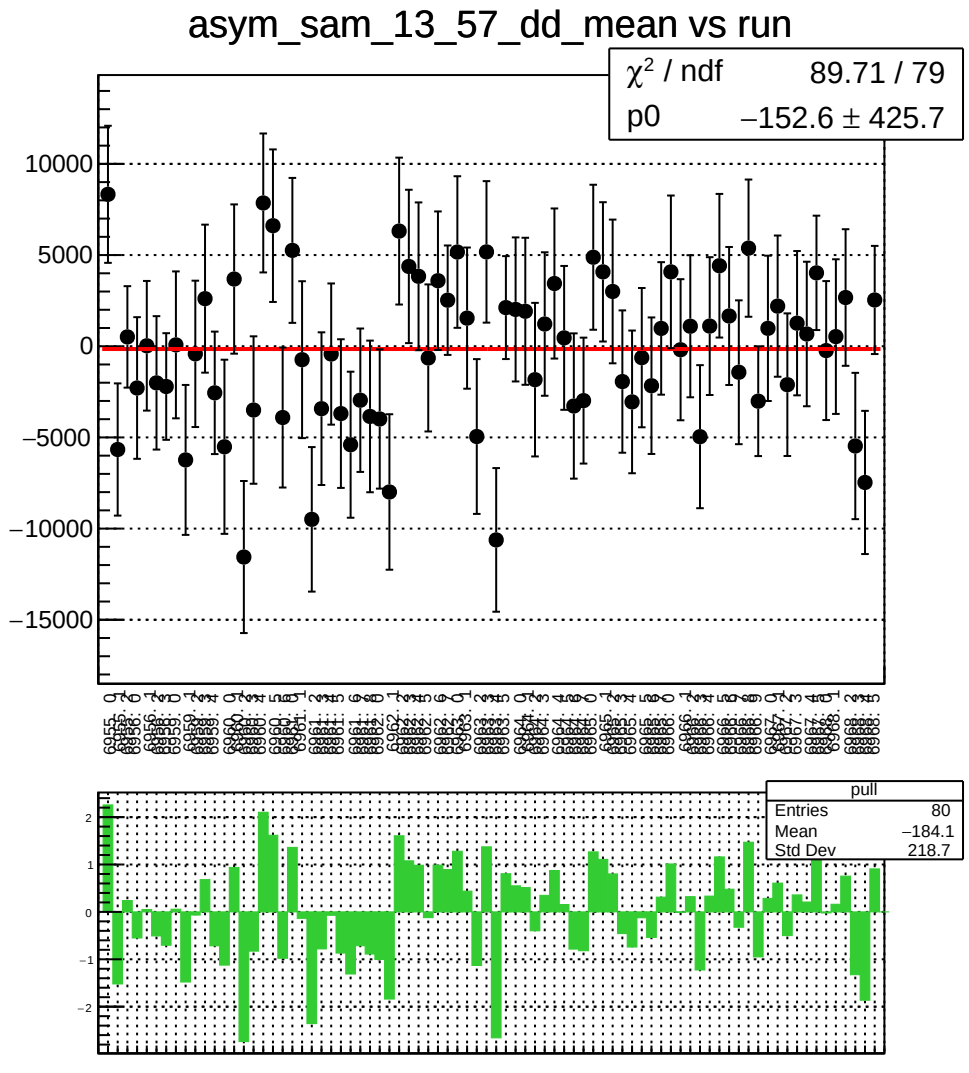

pull1D
Entries 80
Mean 0.003185
Std Dev 1.111
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

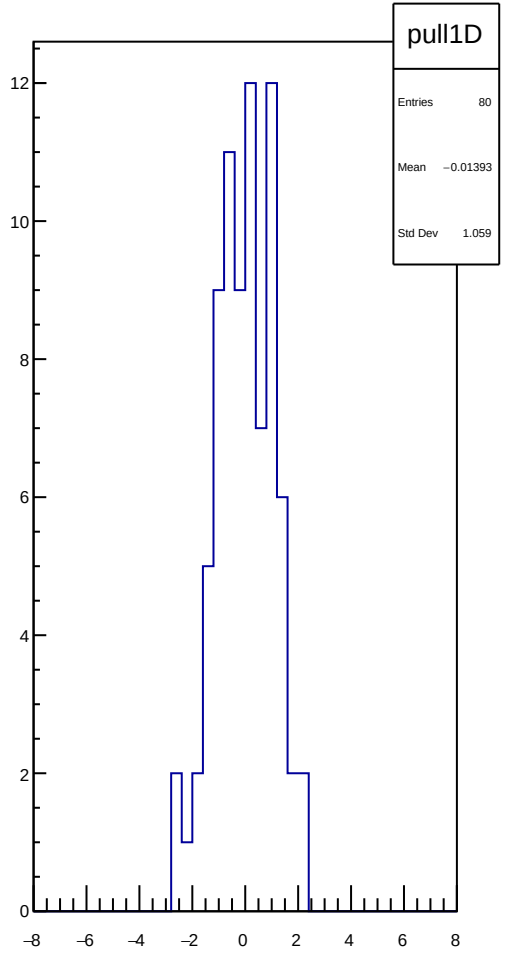

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 879 / 79
p0 61.59 ± 0.04927
66
64
62
60
58

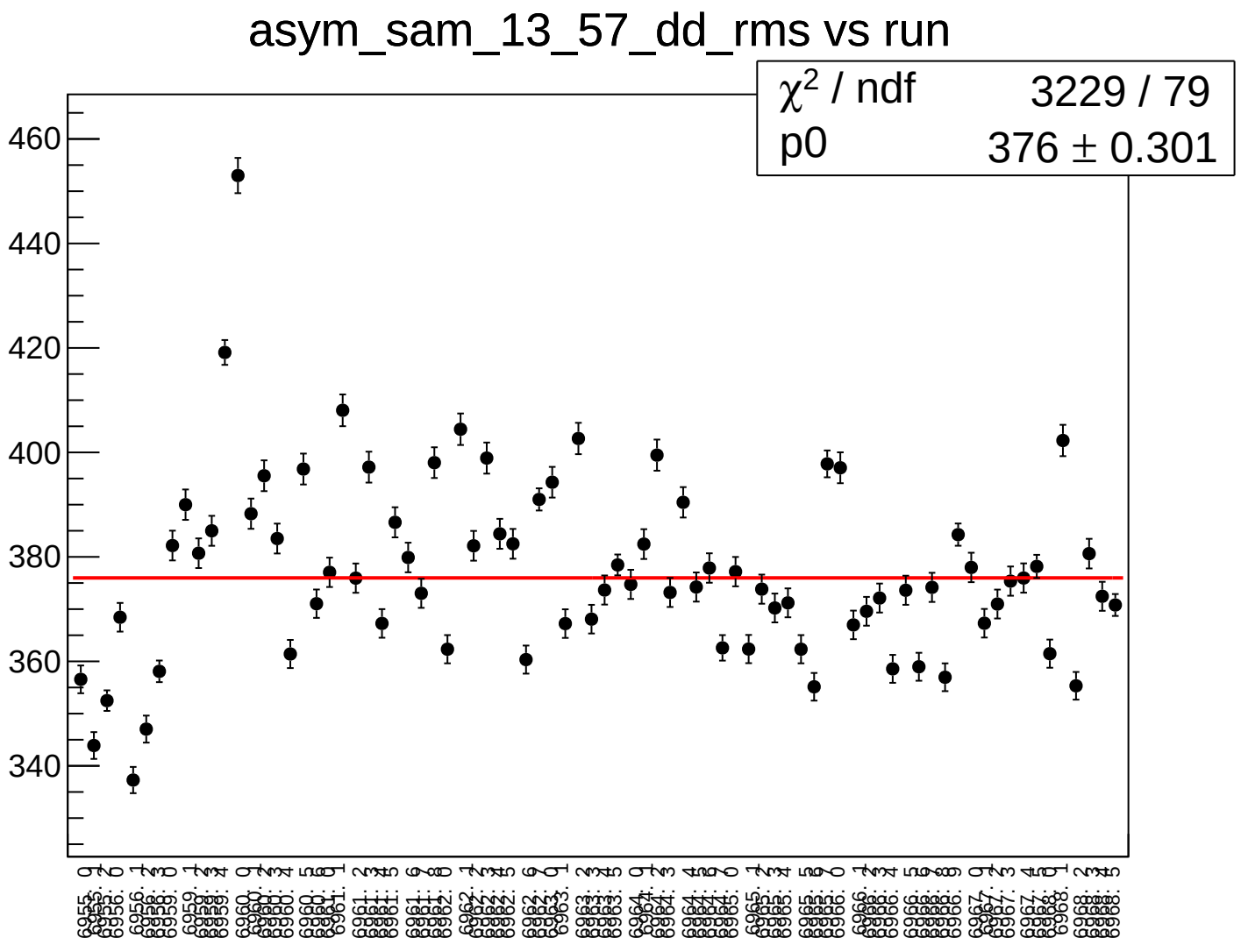

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 92.29 / 79
p0 236.2 ± 440.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −219.3
Std Dev 255.3
3
2
1
0
−1
−2

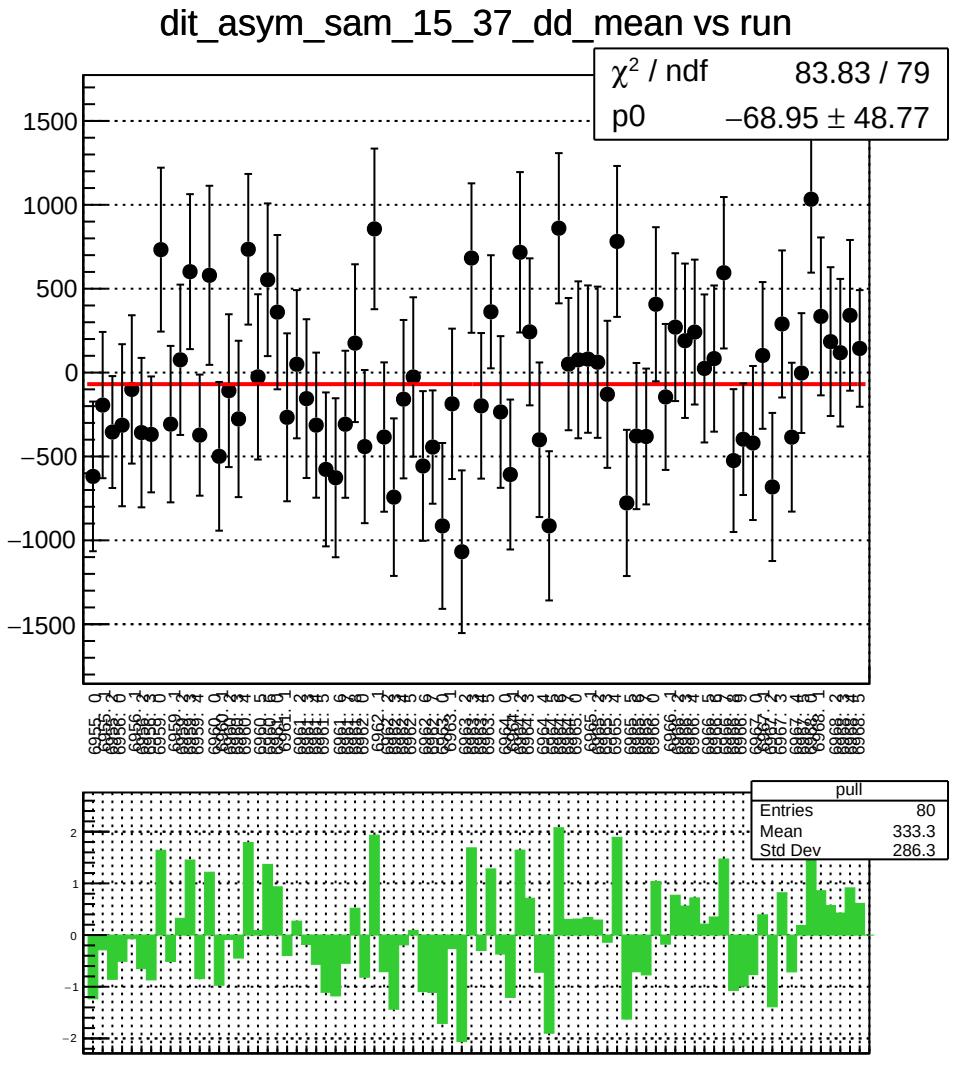

pull1D
Entries 80
Mean 0.01409
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

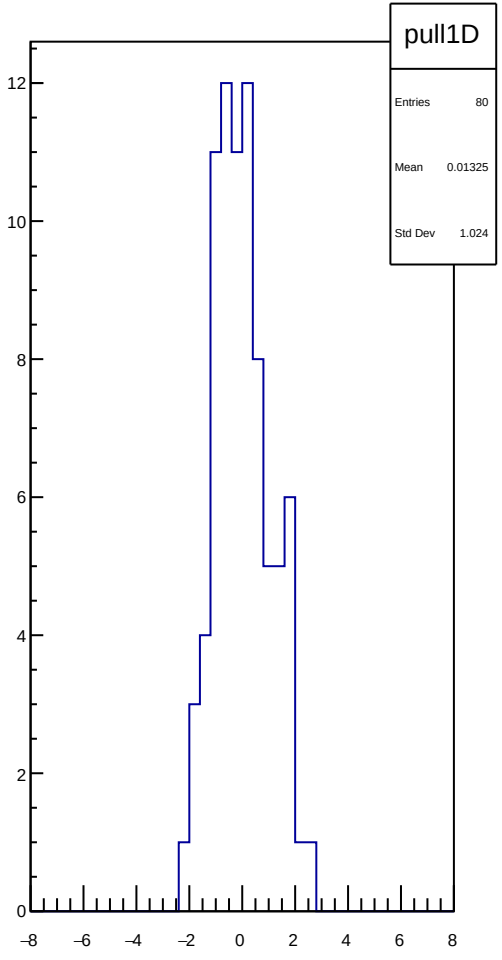

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2662 / 79
p0 388.9 ± 0.3113
460
440
420
400
380
360
340

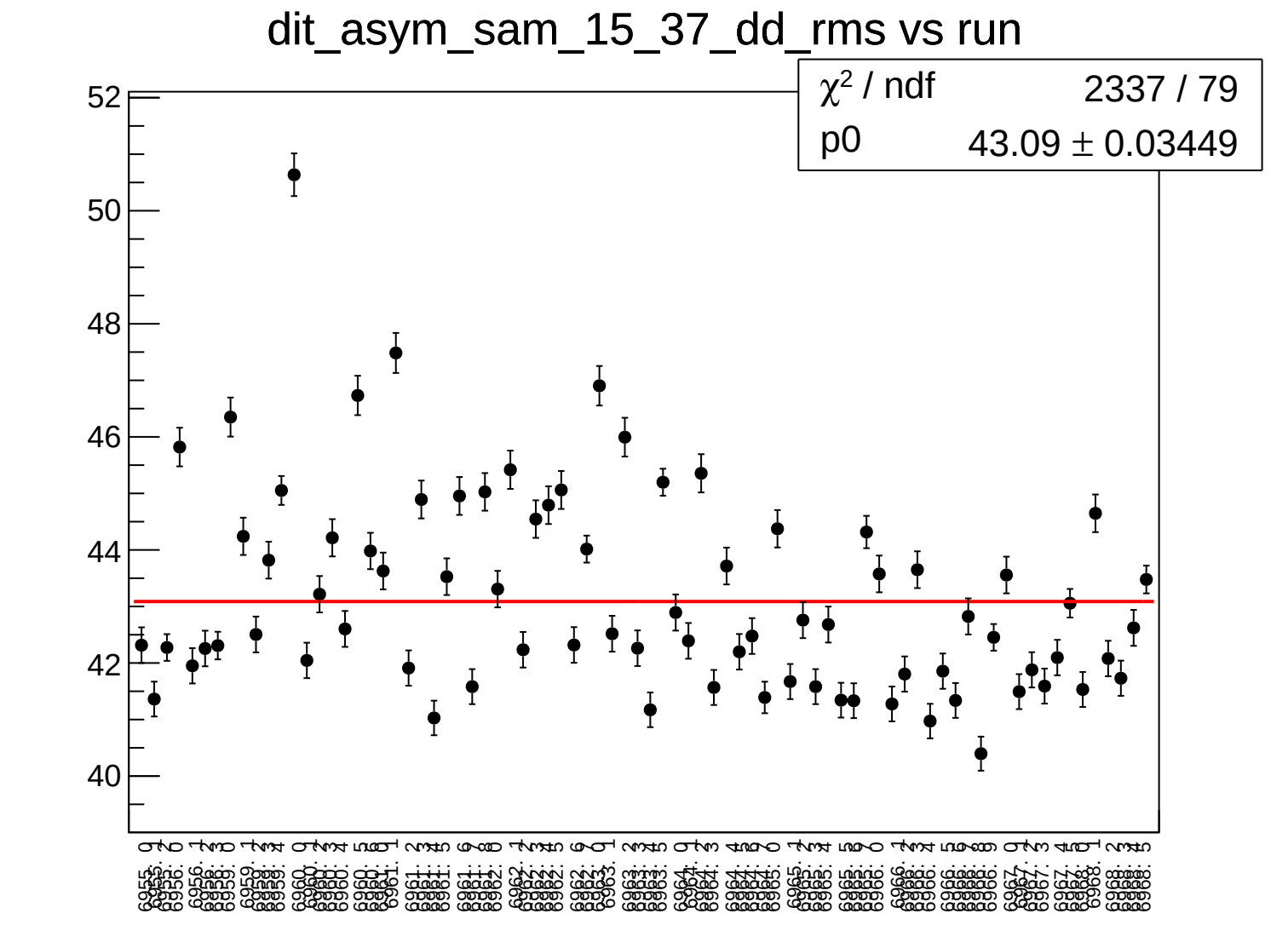

asym_sam_13_57_dd_mean vs run
χ² / ndf 89.71 / 79
p0 −152.6 ± 425.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −184.1
Std Dev 218.7
2
1
0
−1
−2

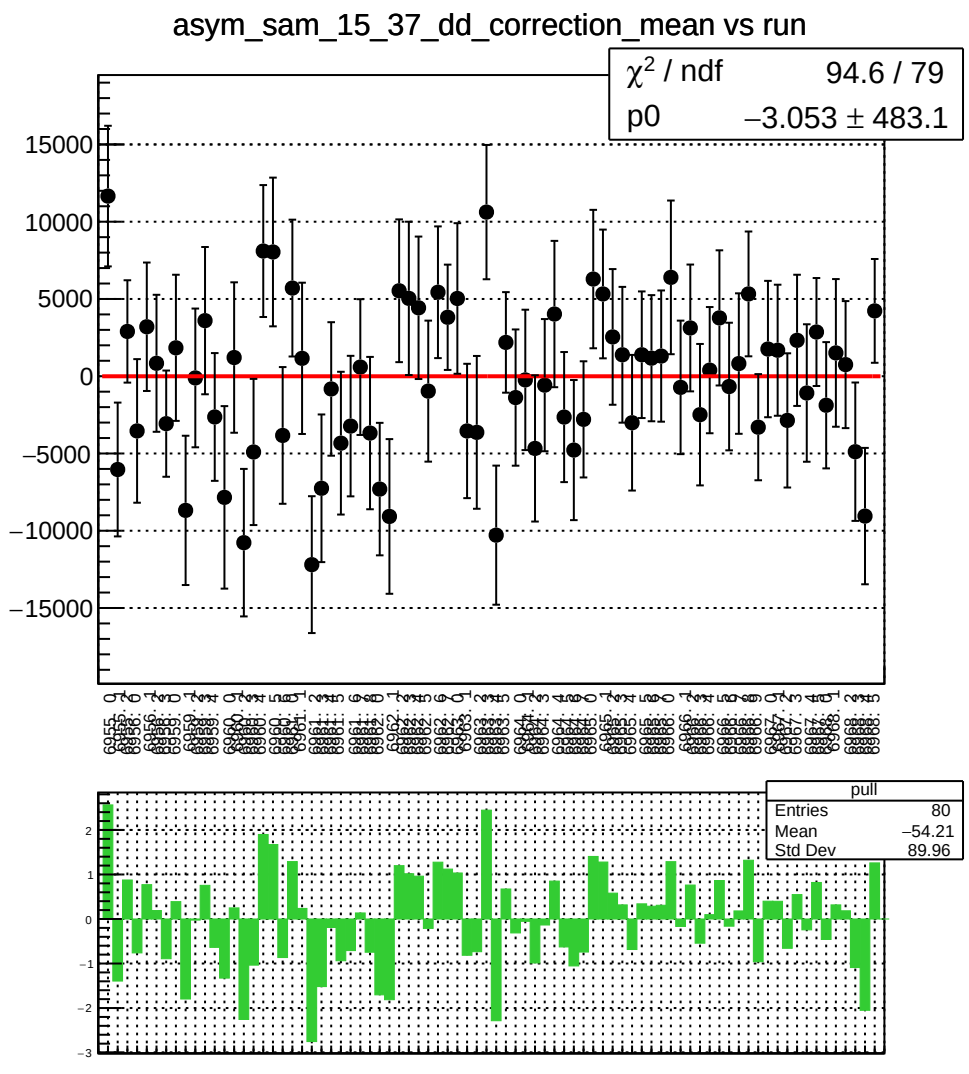

pull1D
Entries 80
Mean −0.01393
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

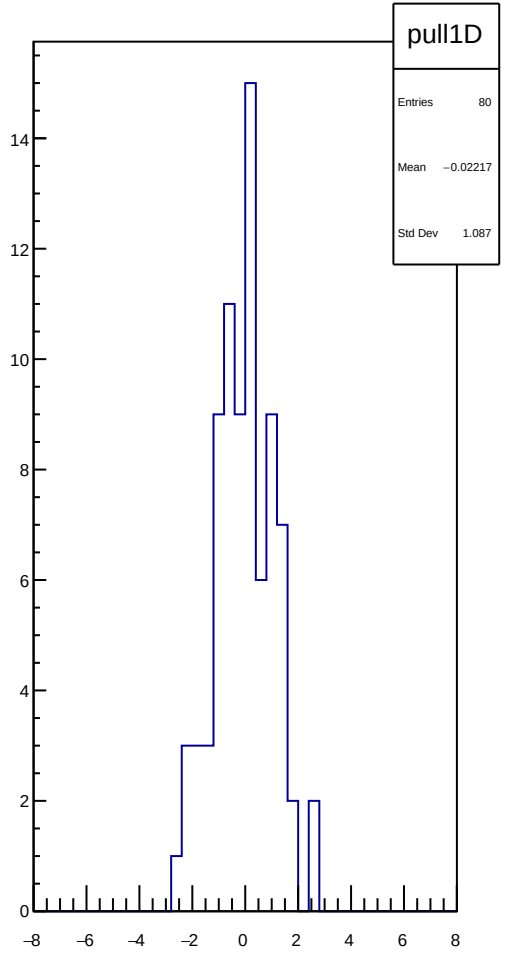

asym_sam_13_57_dd_rms vs run
χ² / ndf 3229 / 79
p0 376 ± 0.301
460
440
420
400
380
360
340

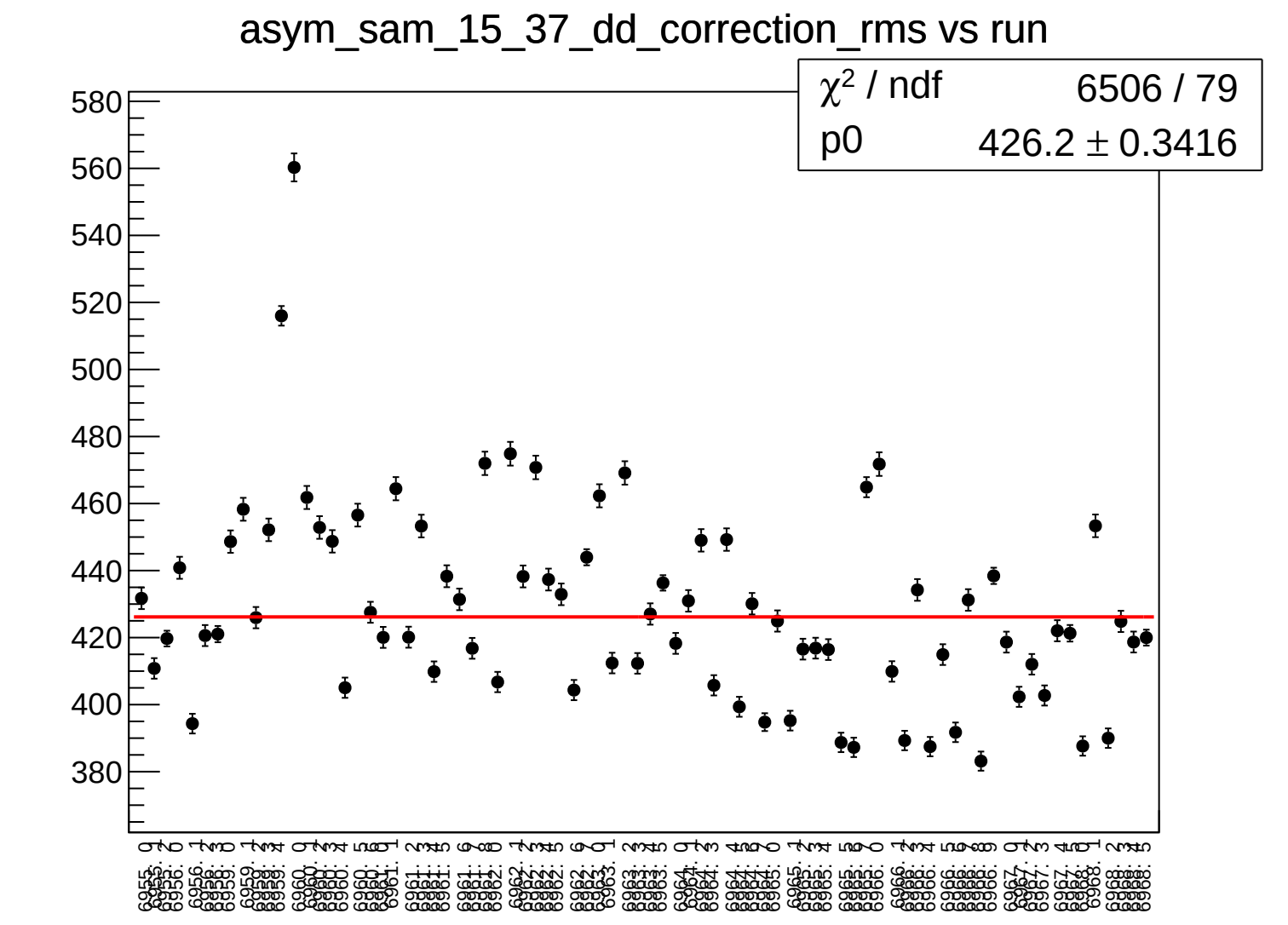

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 83.83 / 79
p0 −68.95 ± 48.77
1500
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean 333.3
Std Dev 286.3
2
1
0
−1
−2

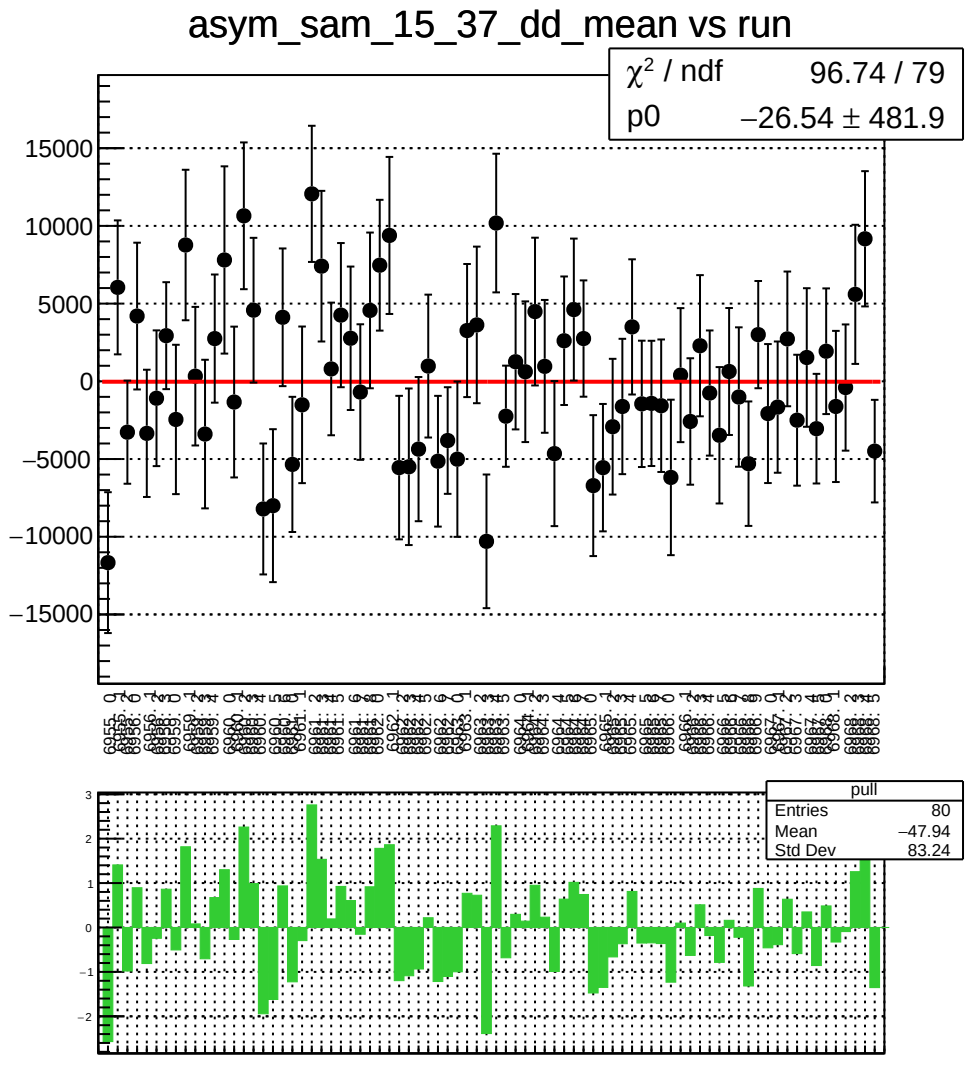

pull1D
Entries 80
Mean 0.01325
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

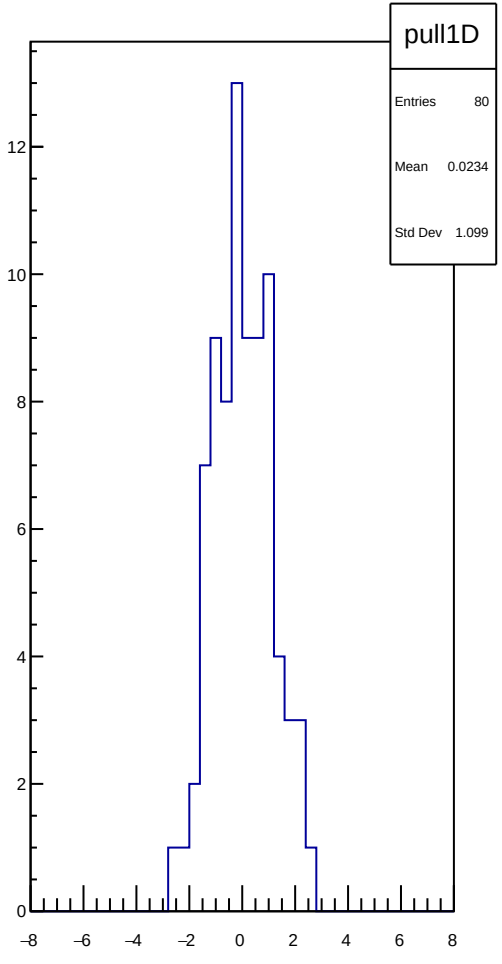

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 2337 / 79
p0 43.09 ± 0.03449
52
50
48
46
44
42
40

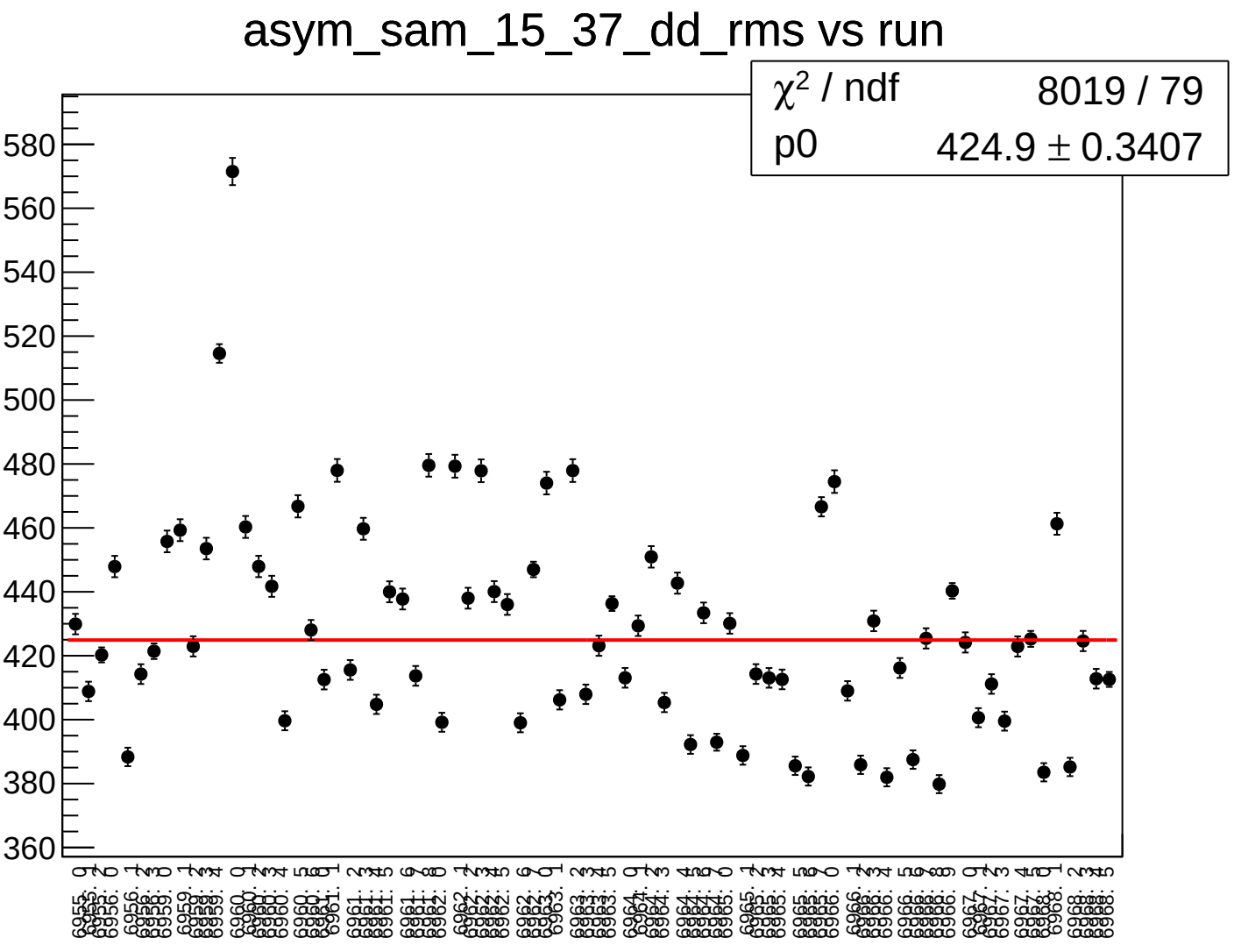

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 94.6 / 79
p0 −3.053 ± 483.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −54.21
Std Dev 89.96
2
1
0
−1
−2
−3

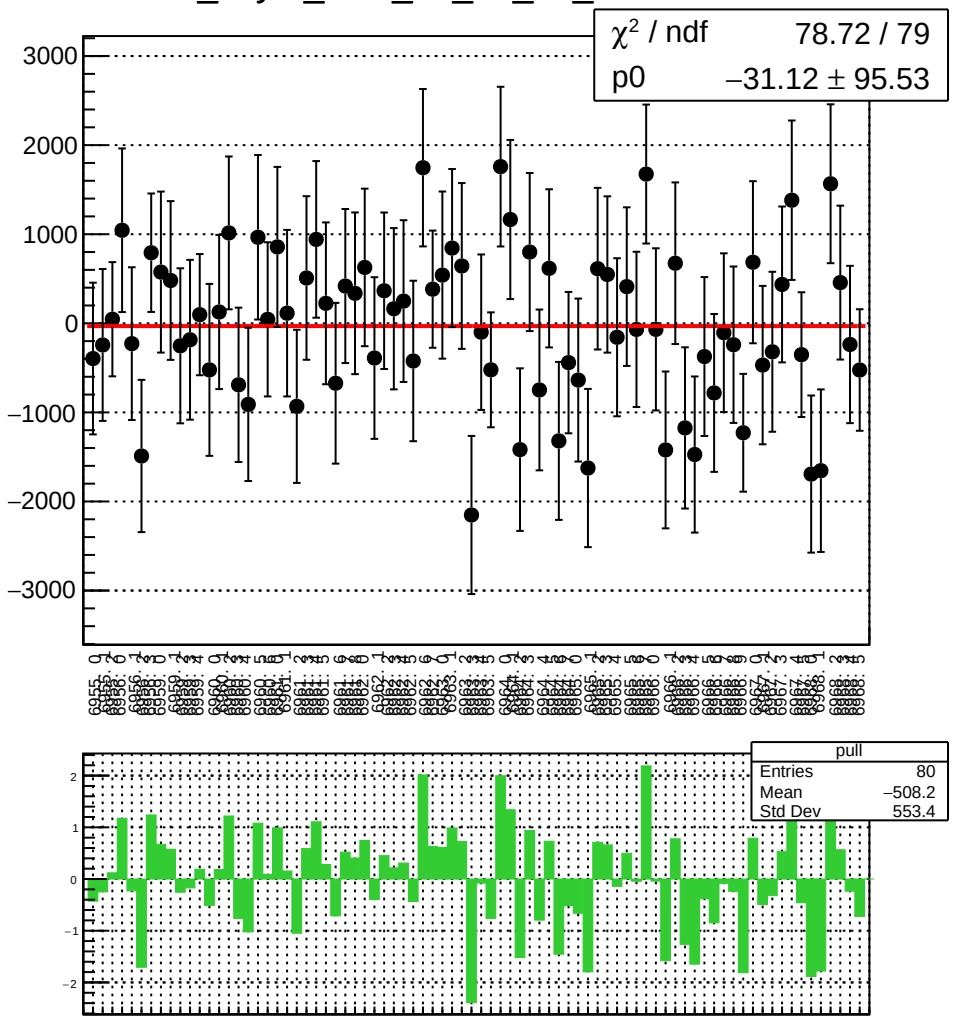

pull1D
Entries 80
Mean −0.02217
Std Dev 1.087
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

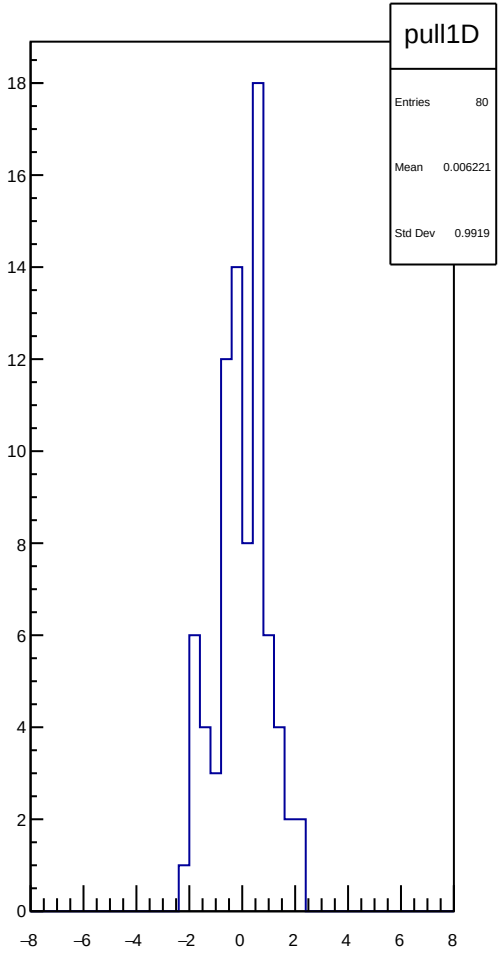

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 6506 / 79
p0 426.2 ± 0.3416
580
560
540
520
500
480
460
440
420
400
380

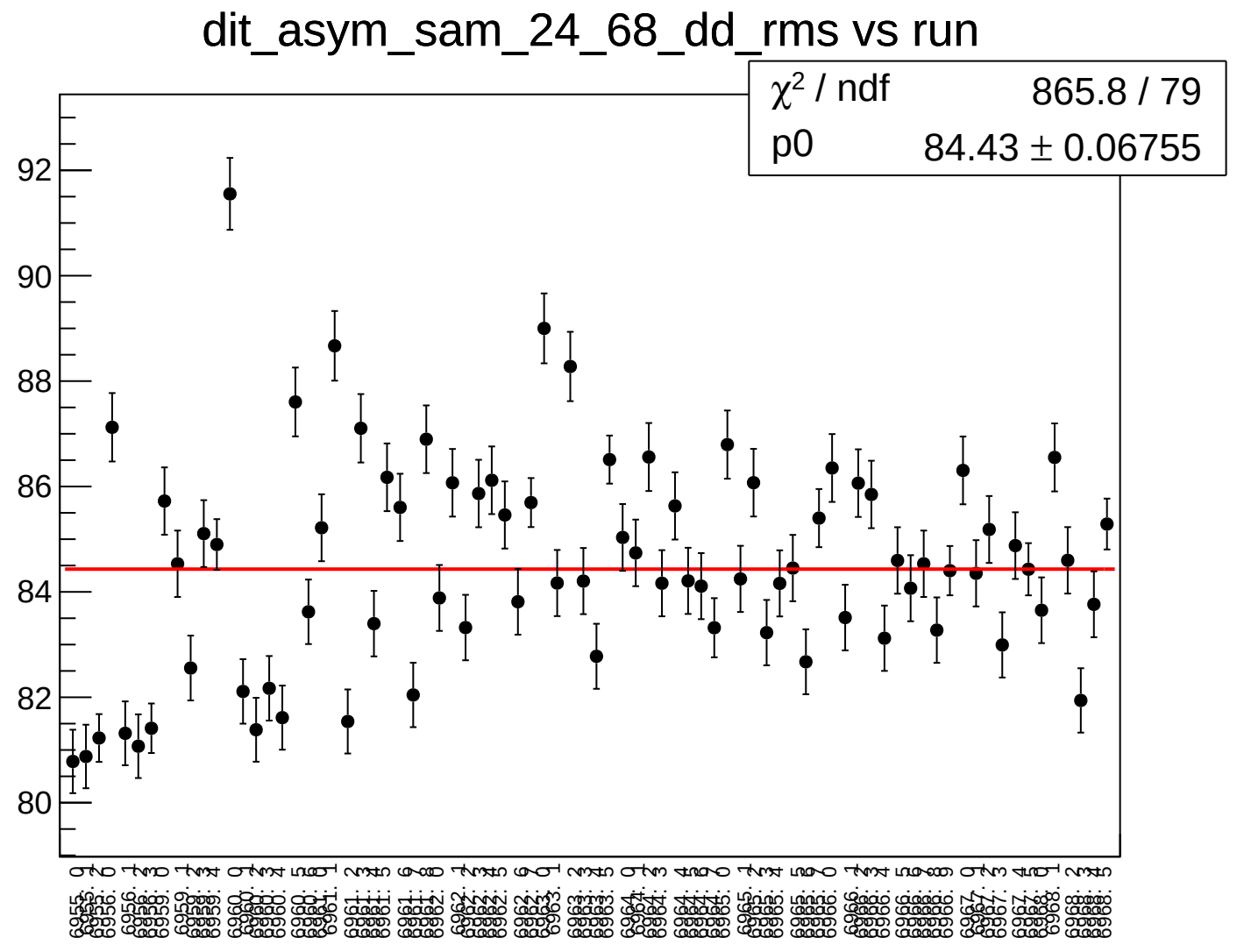

asym_sam_15_37_dd_mean vs run
χ² / ndf 96.74 / 79
p0 −26.54 ± 481.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −47.94
Std Dev 83.24
3
2
1
0
−1
−2

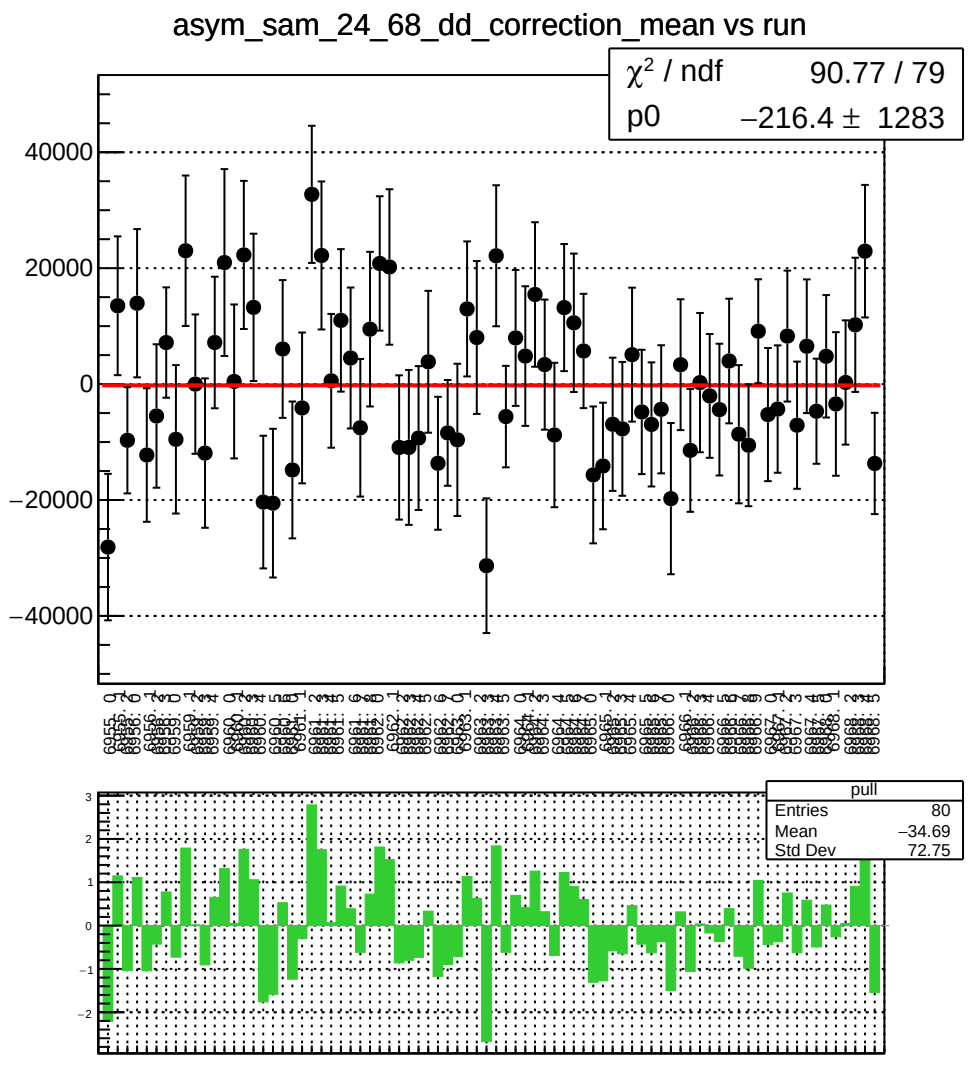

pull1D
Entries 80
Mean 0.0234
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

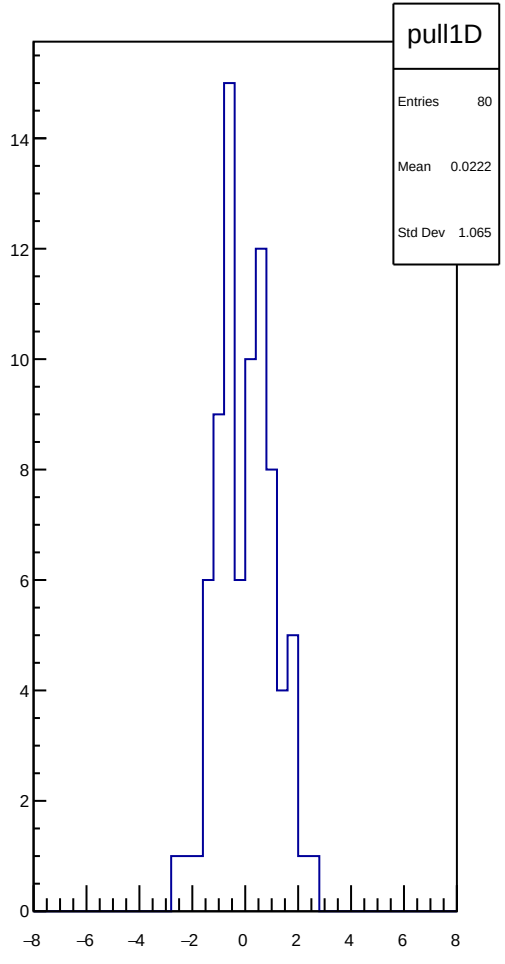

asym_sam_15_37_dd_rms vs run
χ² / ndf 8019 / 79
p0 424.9 ± 0.3407
580
560
540
520
500
480
460
440
420
400
380
360

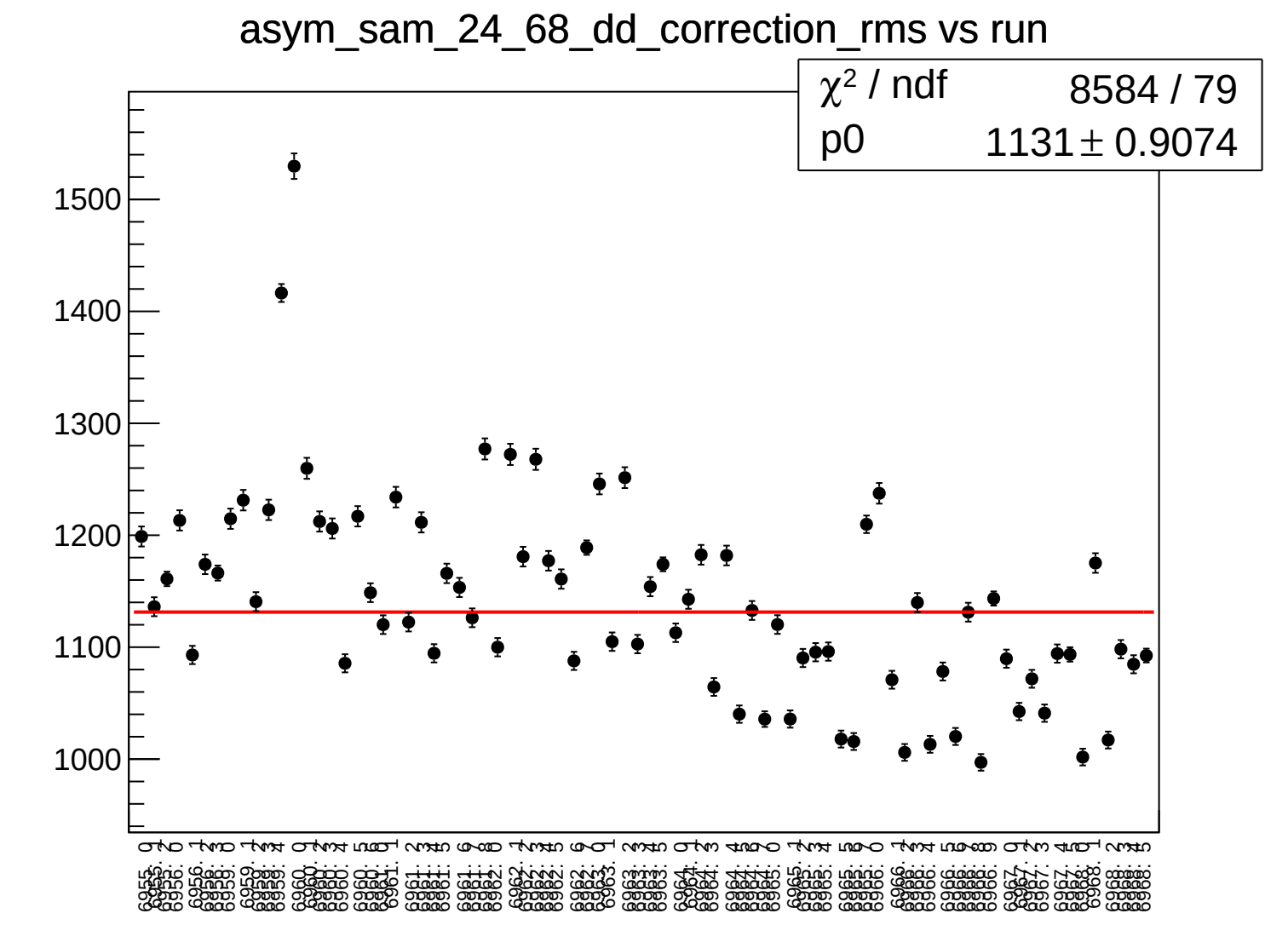

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 78.72 / 79
p0 −31.12 ± 95.53
pull
Entries 80
Mean −508.2
Std Dev 553.4

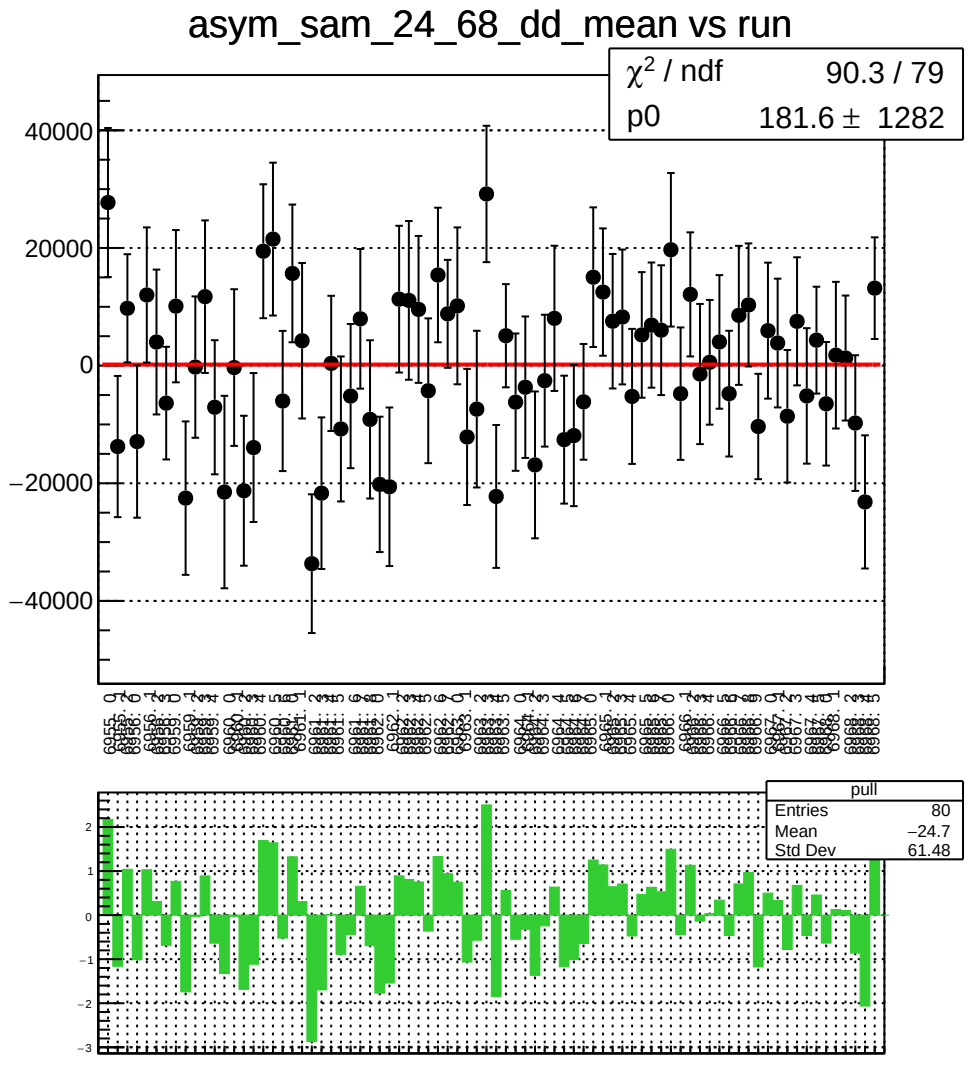

pull1D
Entries 80
Mean 0.006221
Std Dev 0.9919

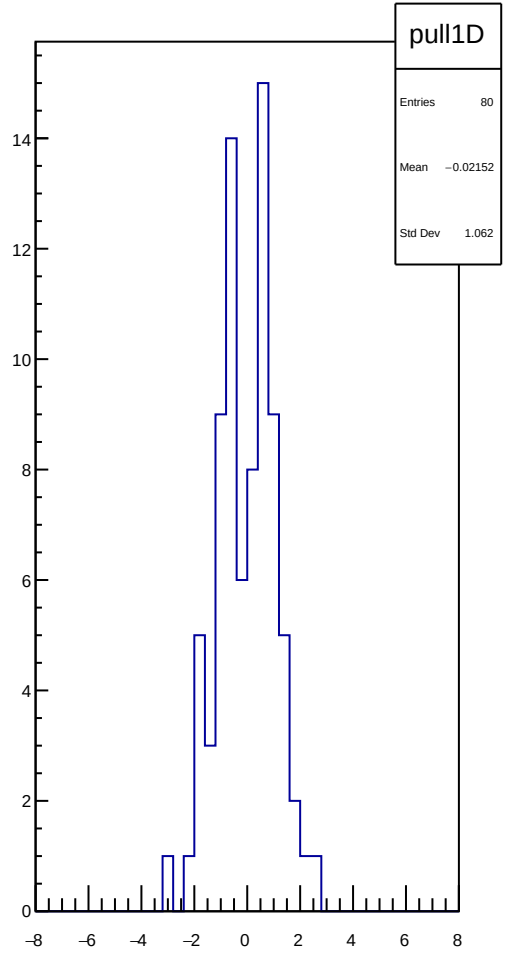

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 865.8 / 79
p0 84.43 ± 0.06755
92
90
88
86
84
82
80

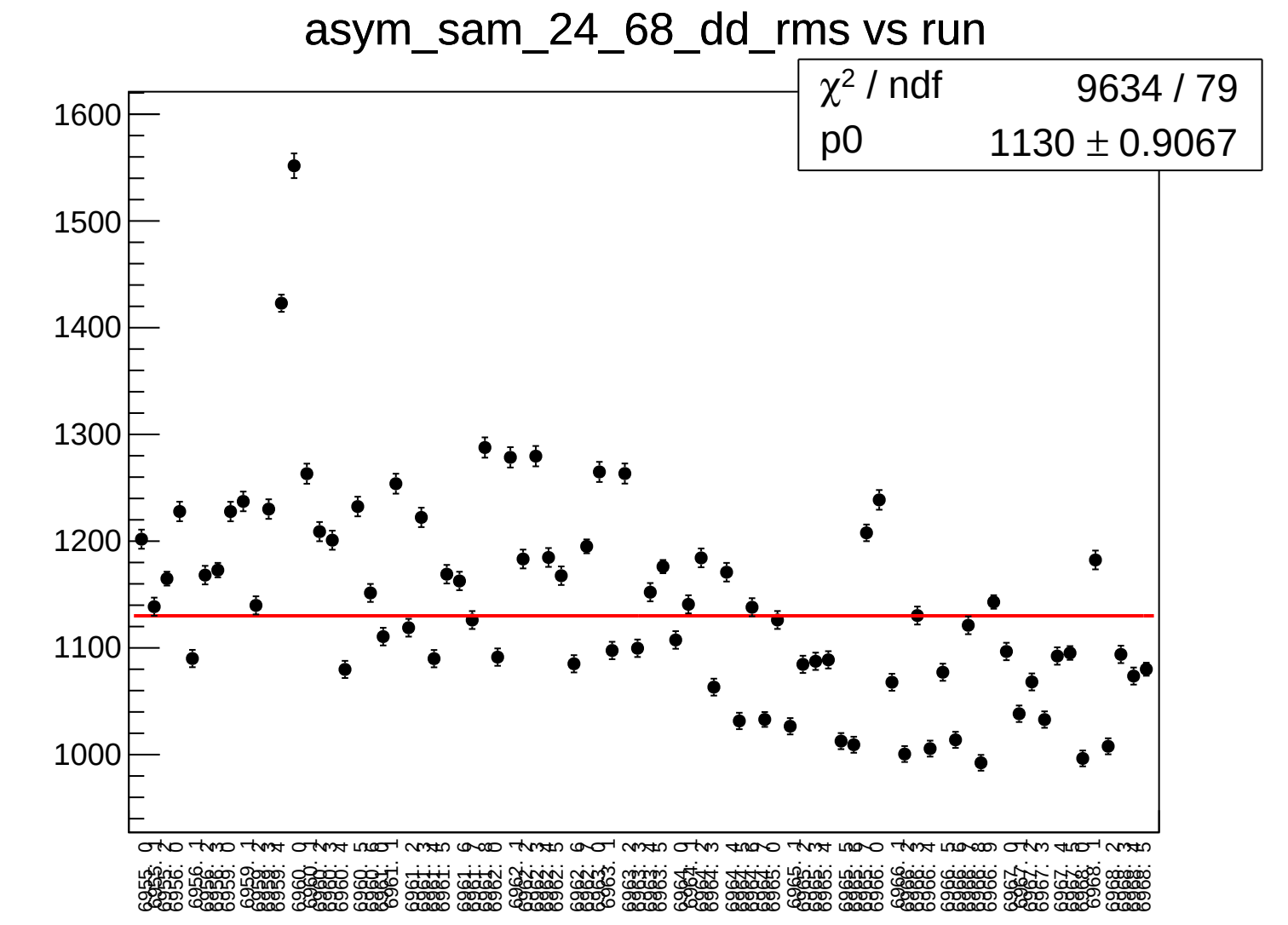

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 90.77 / 79
p0 −216.4 ± 1283
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −34.69
Std Dev 72.75
3
2
1
0
−1
−2

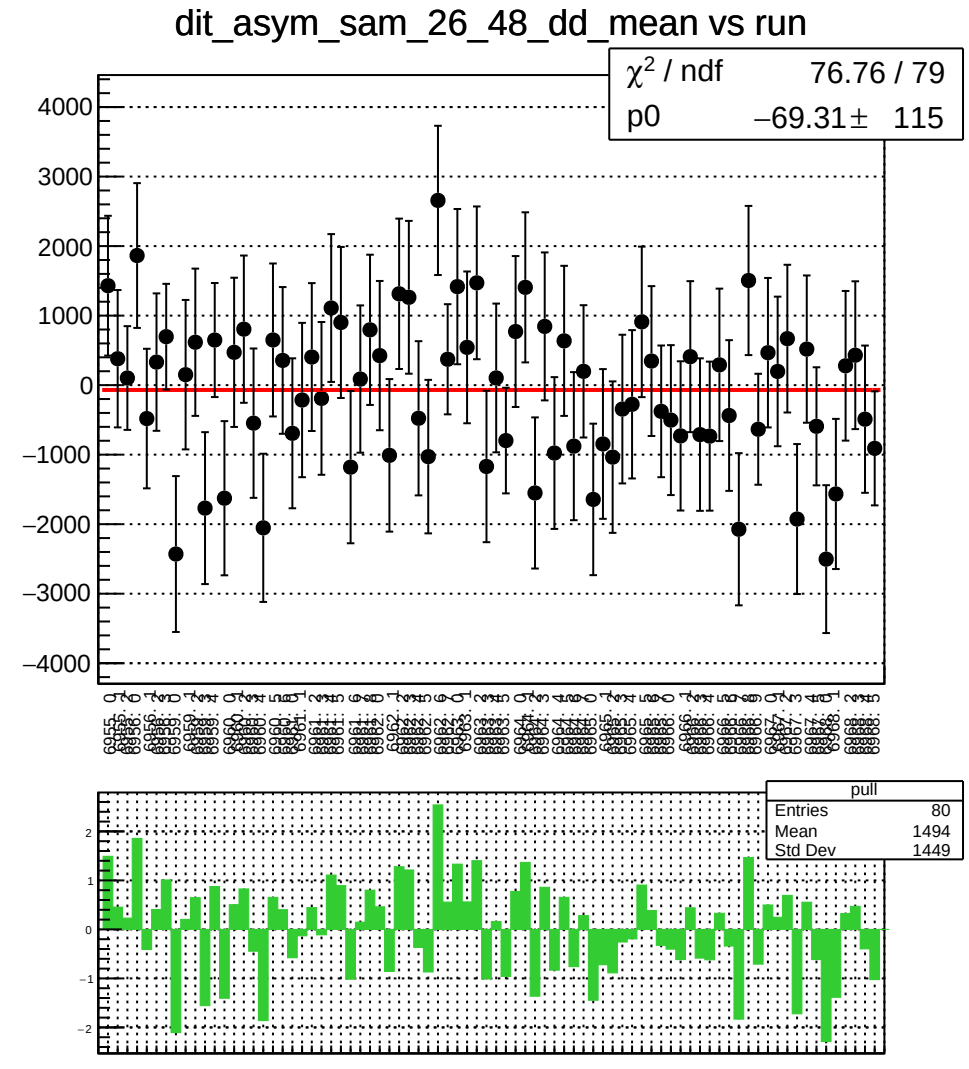

pull1D
Entries 80
Mean 0.0222
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

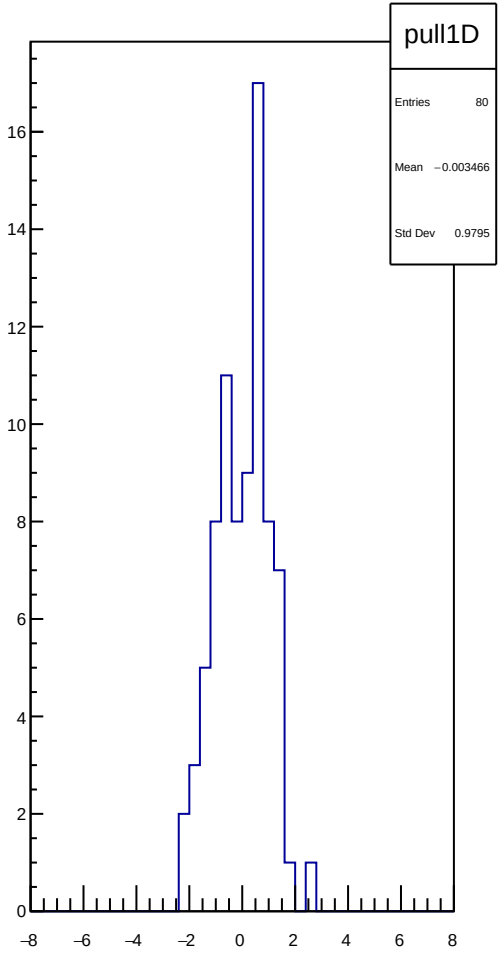

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 8584 / 79
p0 1131 ± 0.9074
1500
1400
1300
1200
1100
1000

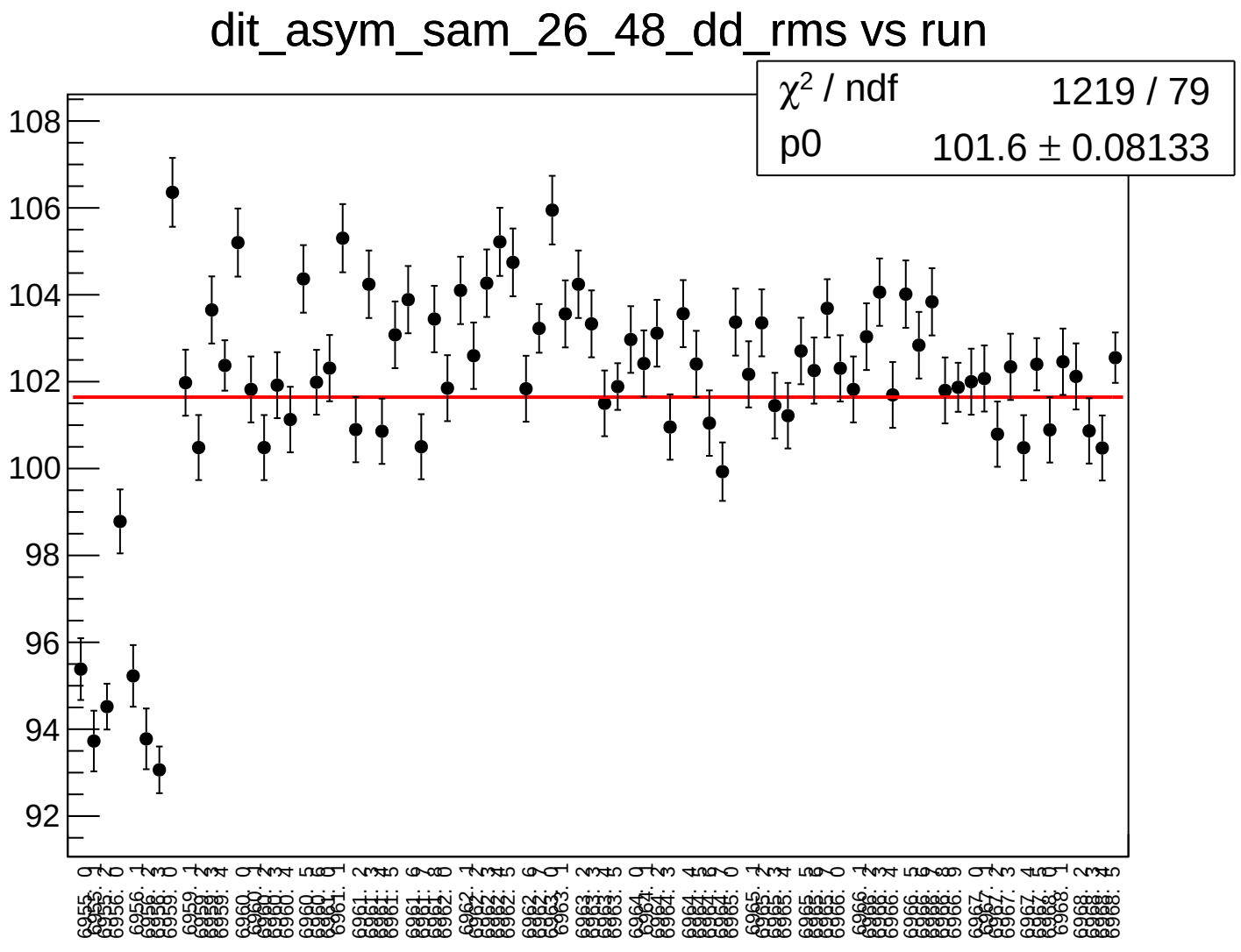

asym_sam_24_68_dd_mean vs run
χ² / ndf 90.3 / 79
p0 181.6 ± 1282
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −24.7
Std Dev 61.48
2
1
0
−1
−2
−3

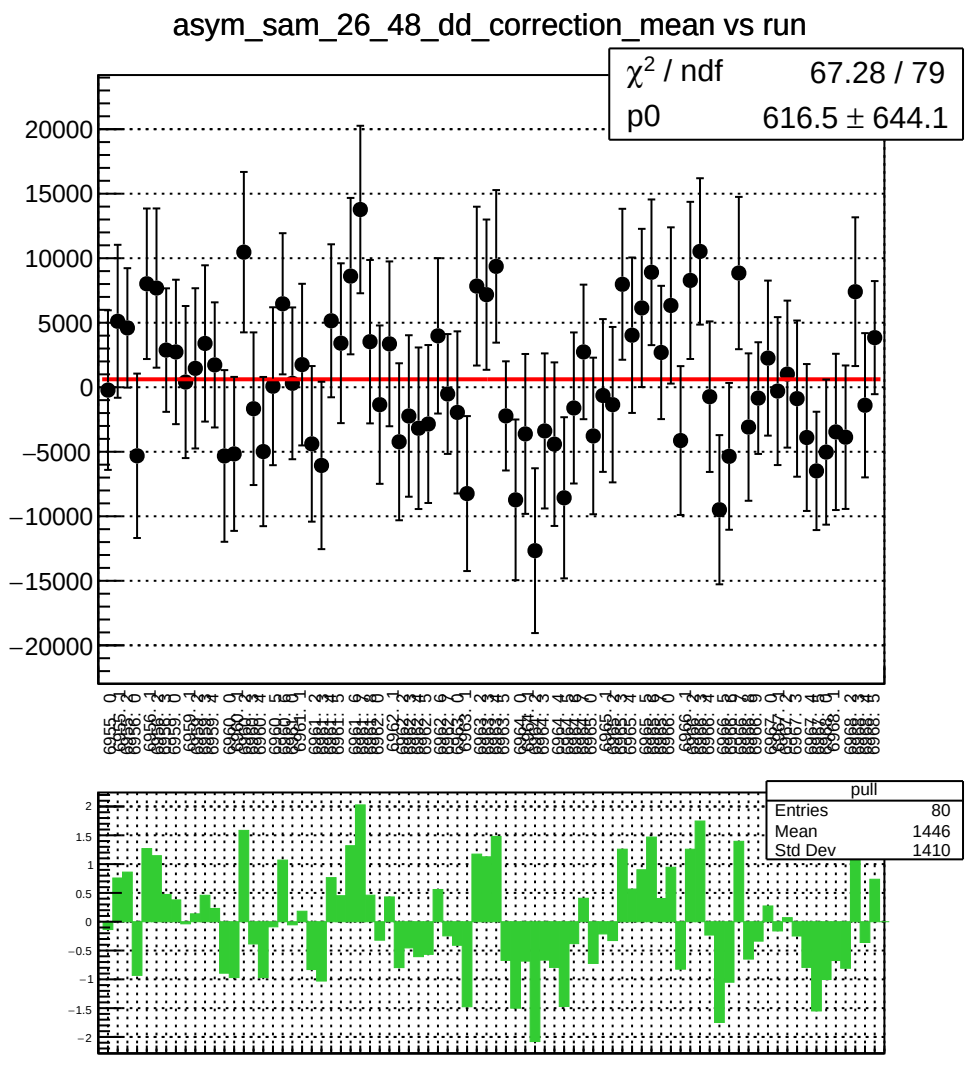

pull1D
Entries 80
Mean −0.02152
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

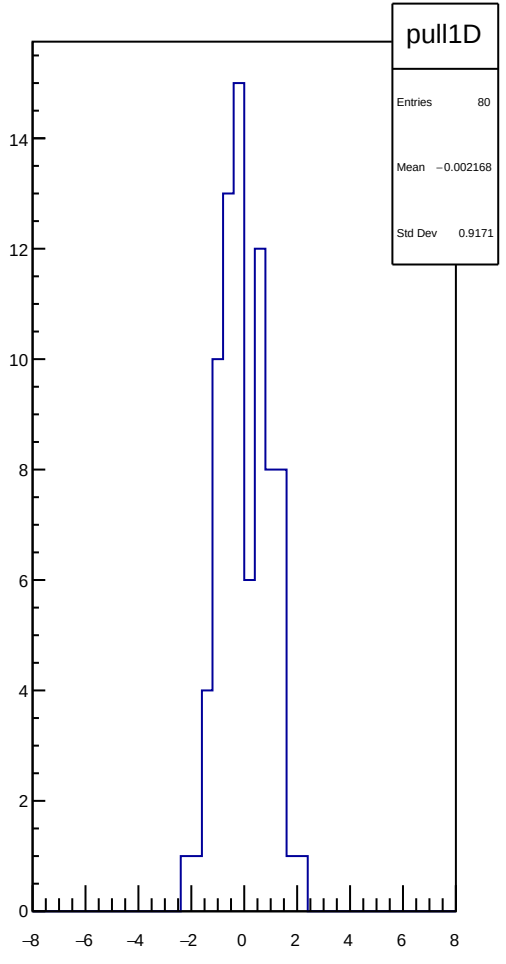

asym_sam_24_68_dd_rms vs run
χ² / ndf 9634 / 79
p0 1130 ± 0.9067
1600
1500
1400
1300
1200
1100
1000

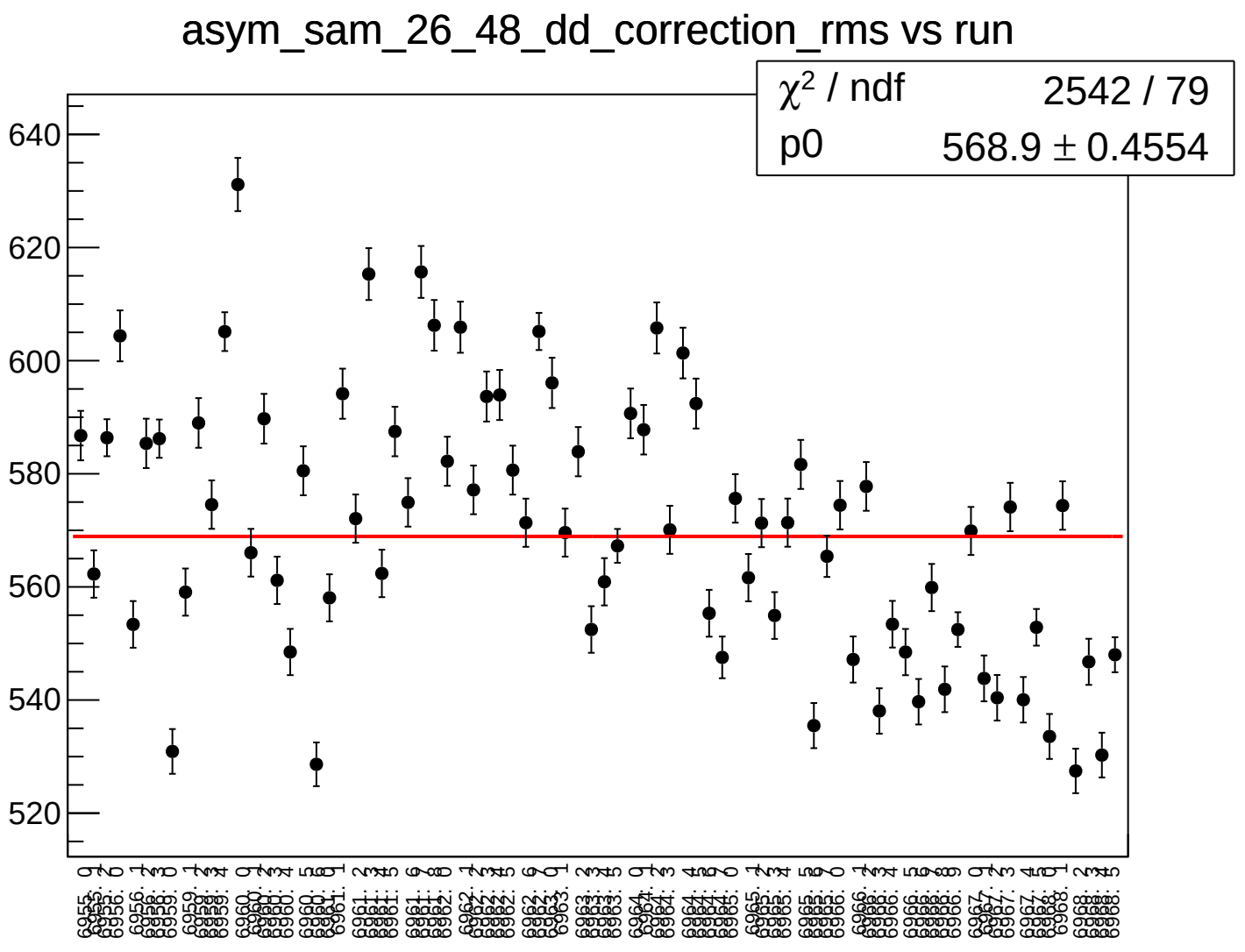

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 76.76 / 79
p0 −69.31 ± 115
pull
Entries 80
Mean 1494
Std Dev 1449

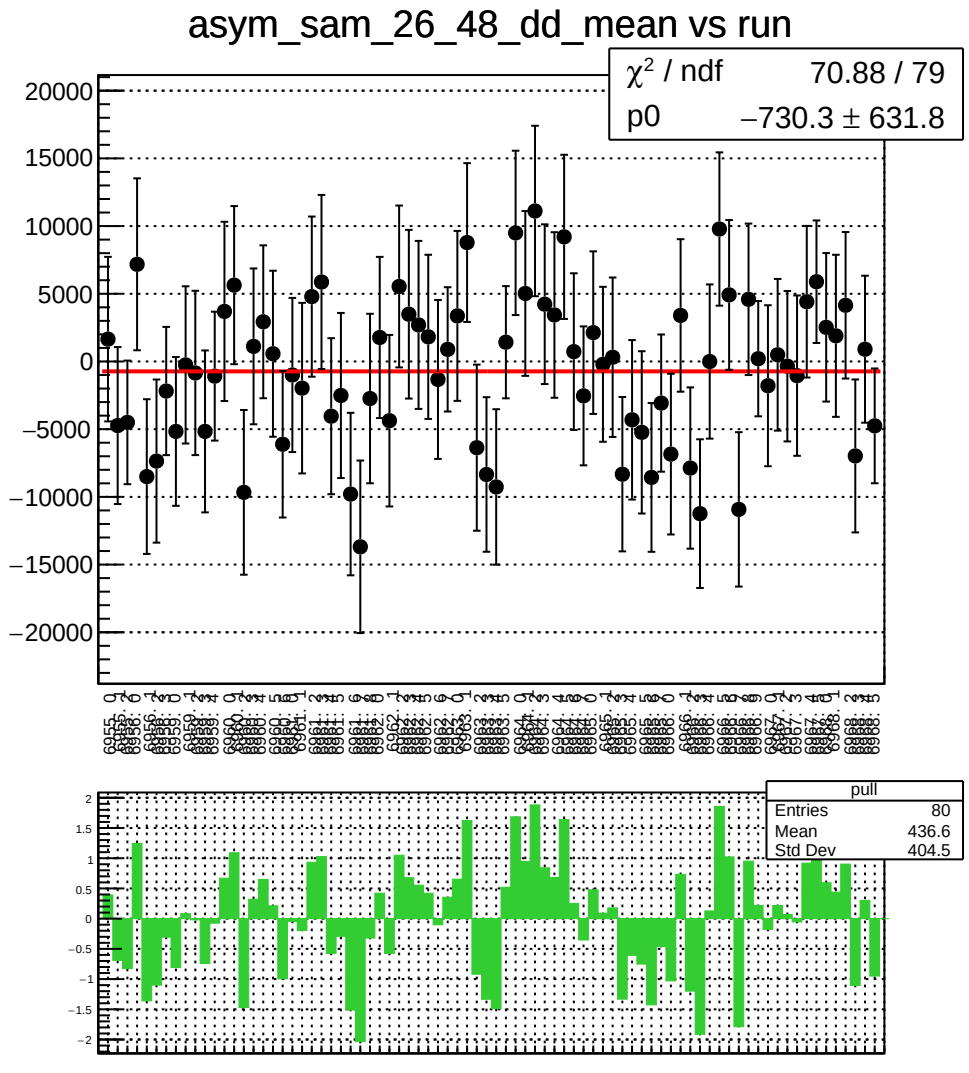

pull1D
Entries 80
Mean −0.003466
Std Dev 0.9795

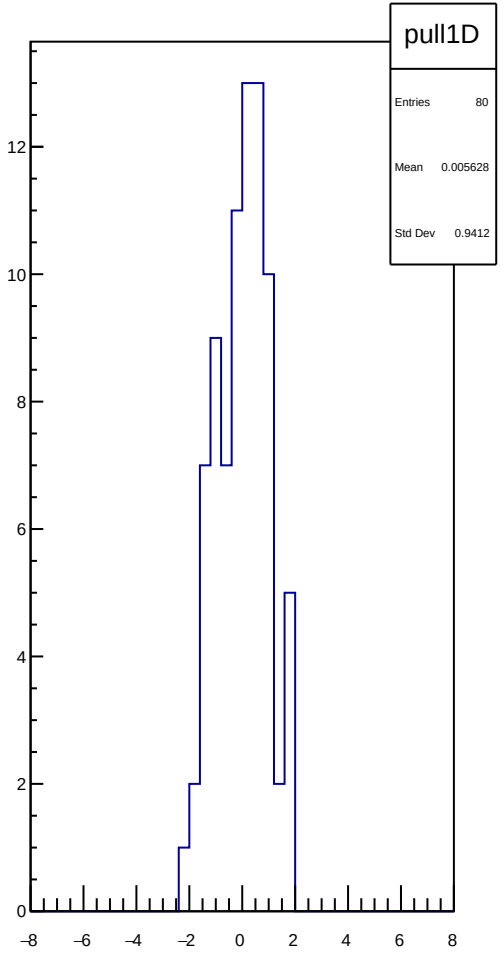

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1219 / 79
p0 101.6 ± 0.08133
108
106
104
102
100
98
96
94
92

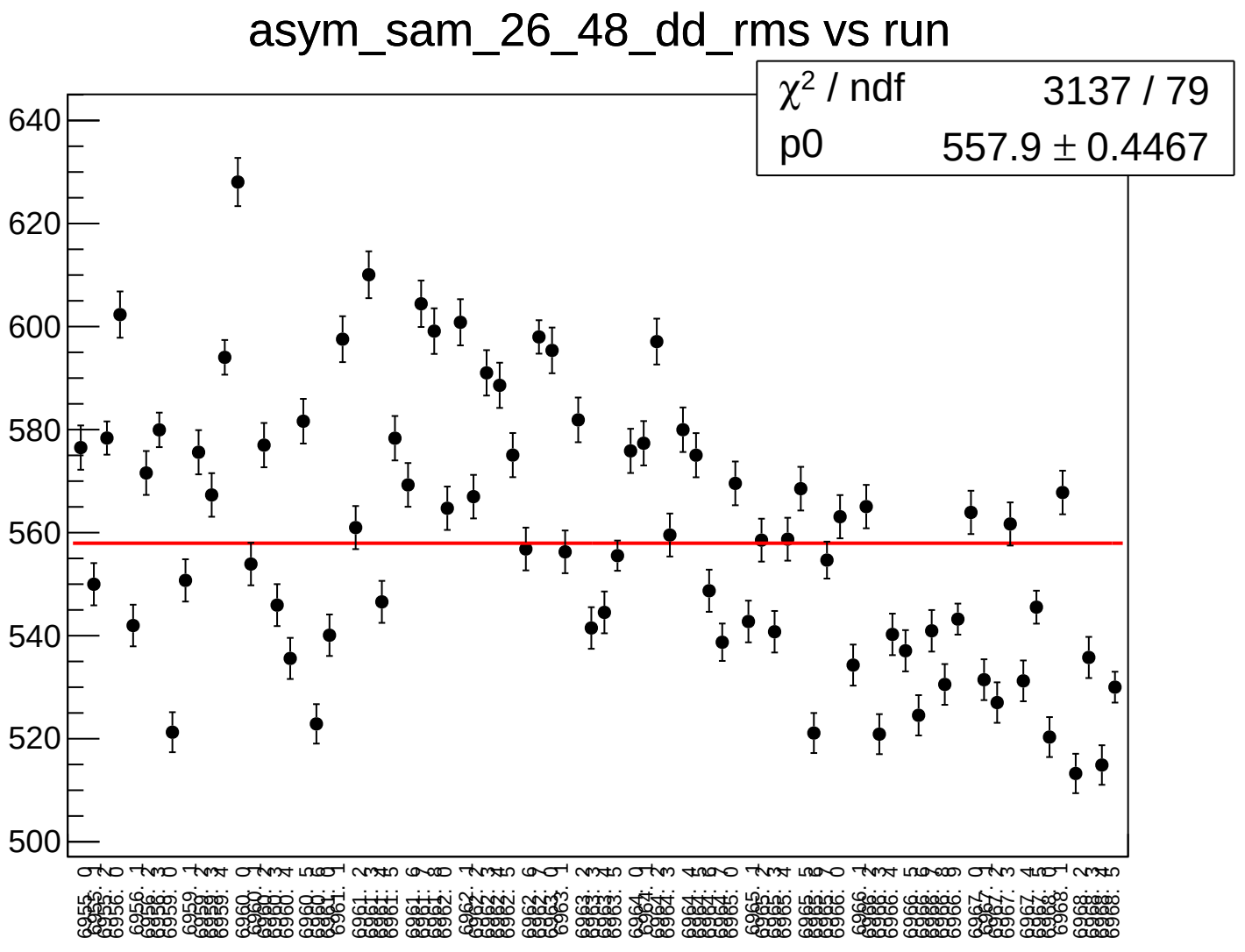

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 67.28 / 79
p0 616.5 ± 644.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean 1446
Std Dev 1410
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

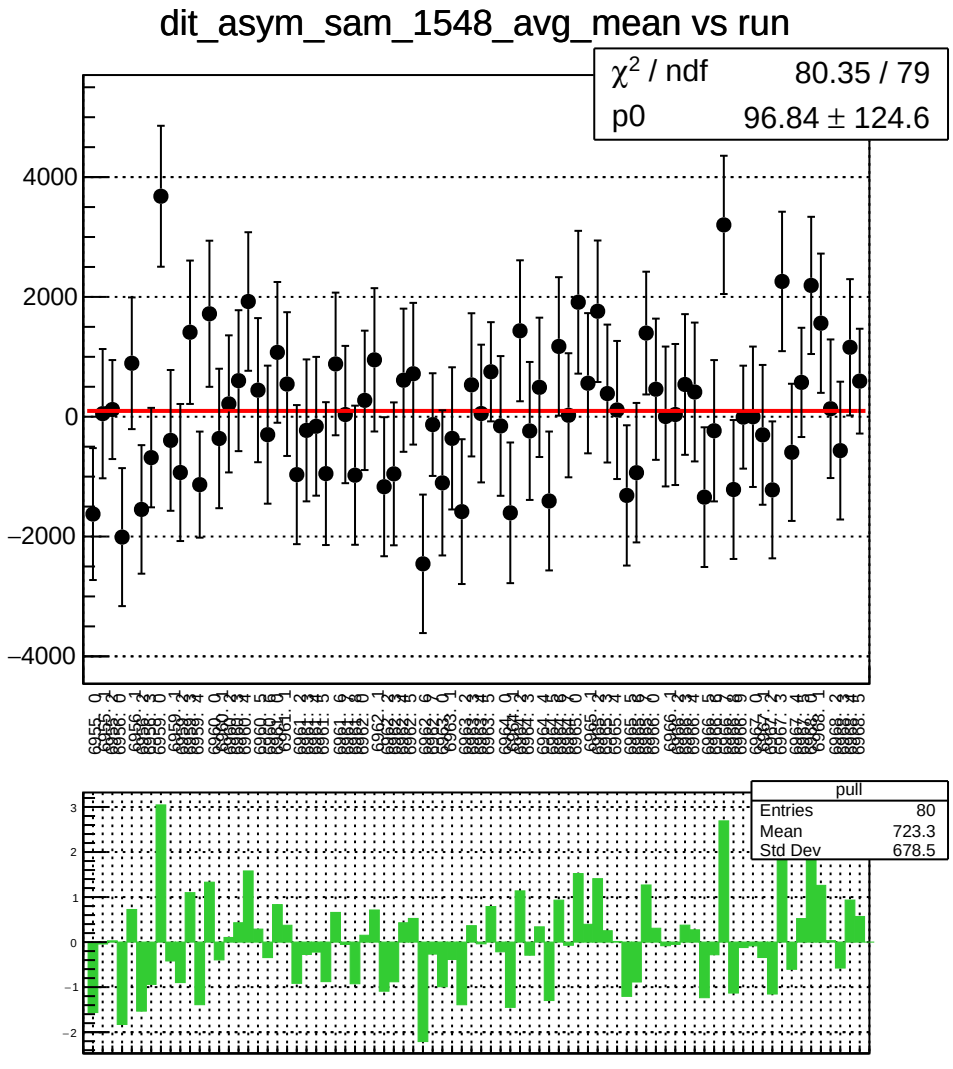

pull1D
Entries 80
Mean −0.002168
Std Dev 0.9171
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

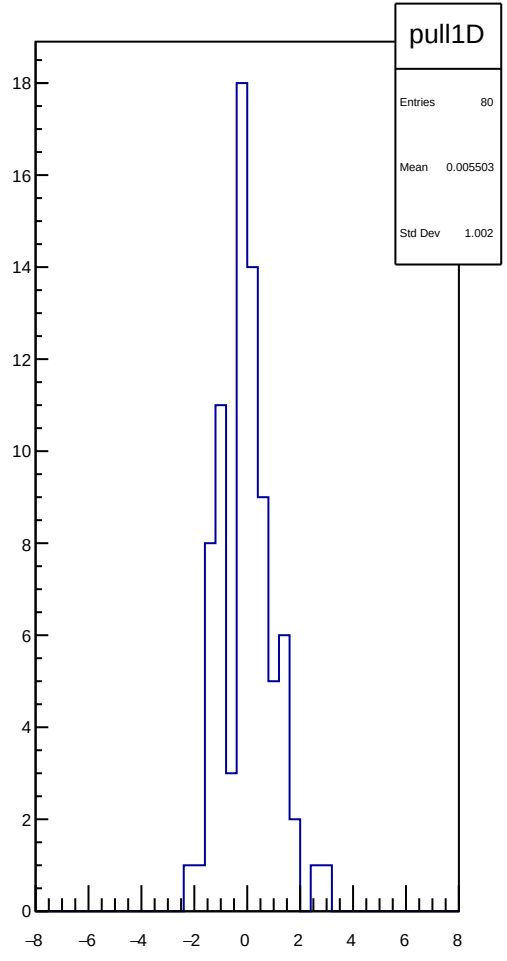

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2542 / 79
p0 568.9 ± 0.4554
640
620
600
580
560
540
520

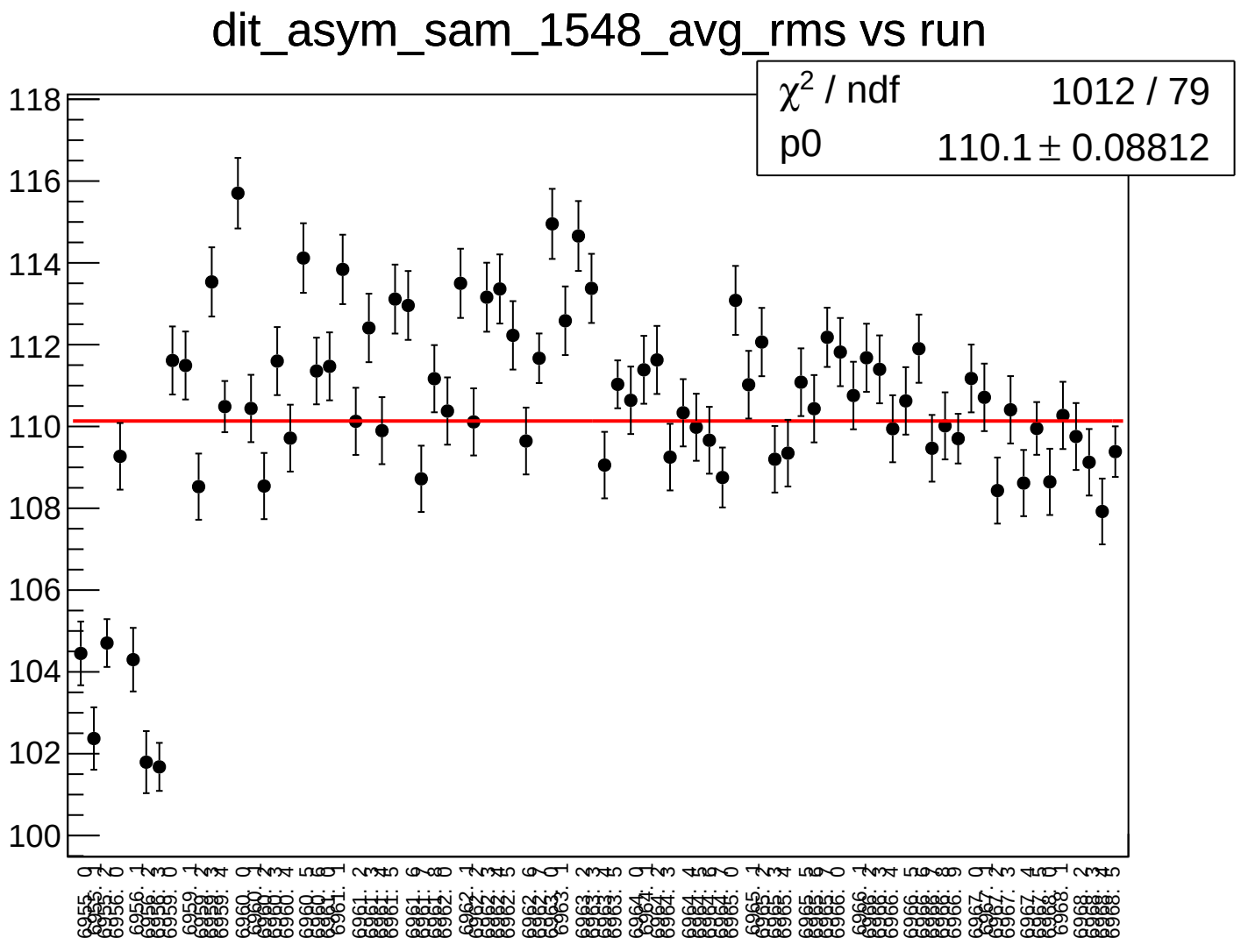

asym_sam_26_48_dd_mean vs run
χ² / ndf 70.88 / 79
p0 −730.3 ± 631.8
pull
Entries 80
Mean 436.6
Std Dev 404.5

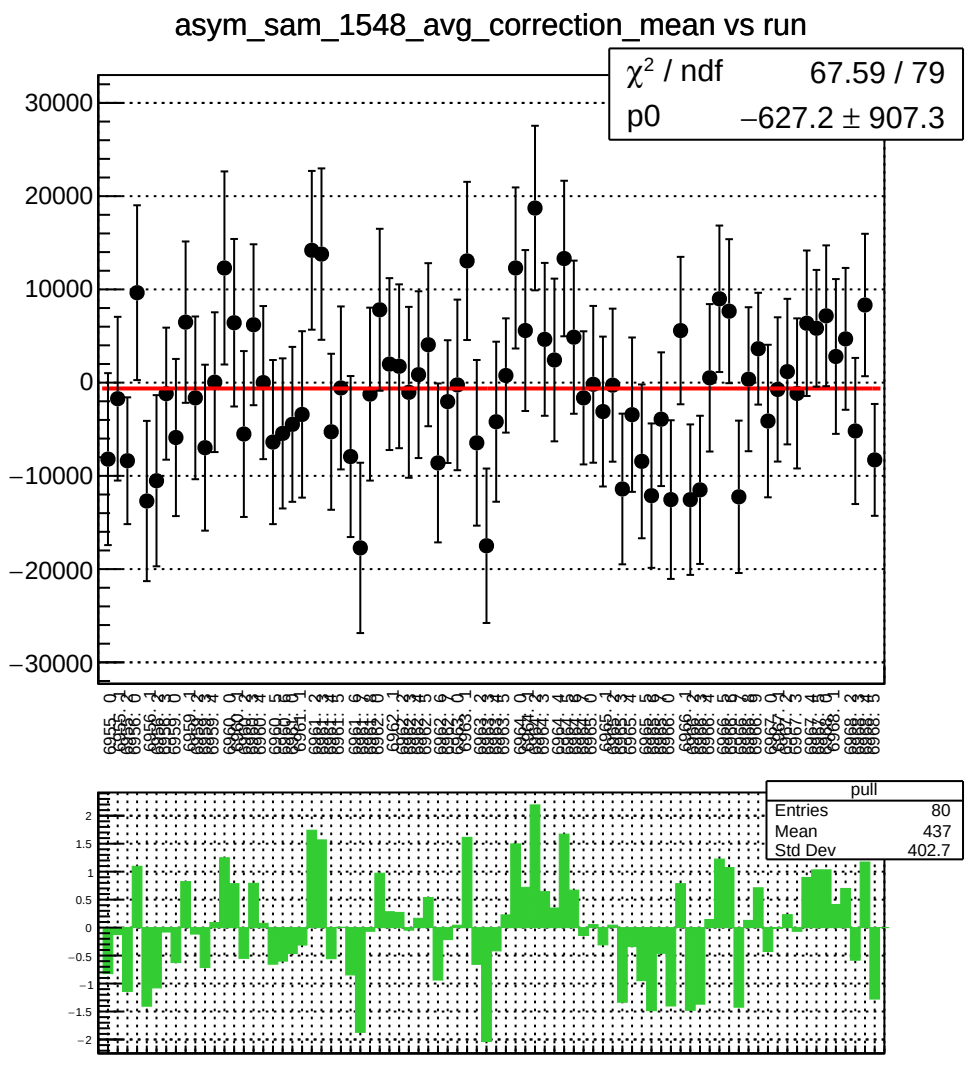

pull1D
Entries 80
Mean 0.005628
Std Dev 0.9412

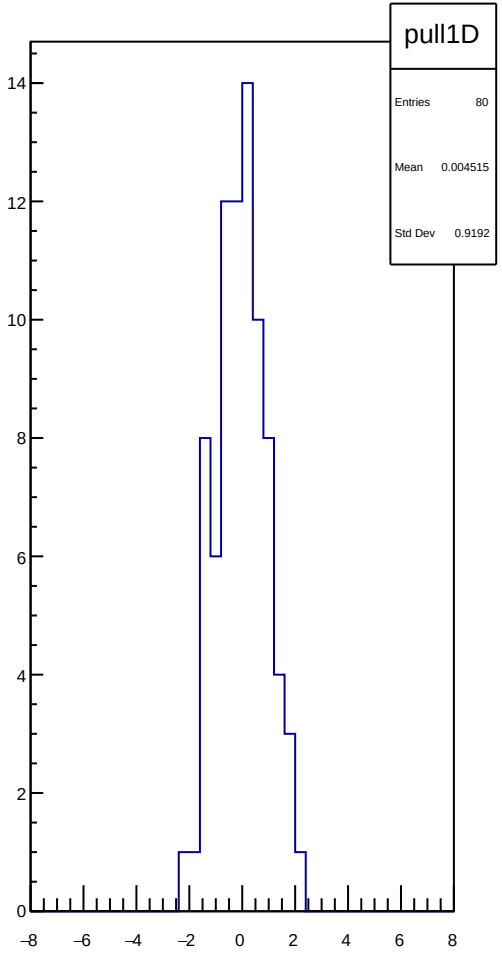

asym_sam_26_48_dd_rms vs run
χ² / ndf 3137 / 79
p0 557.9 ± 0.4467
640
620
600
580
560
540
520
500

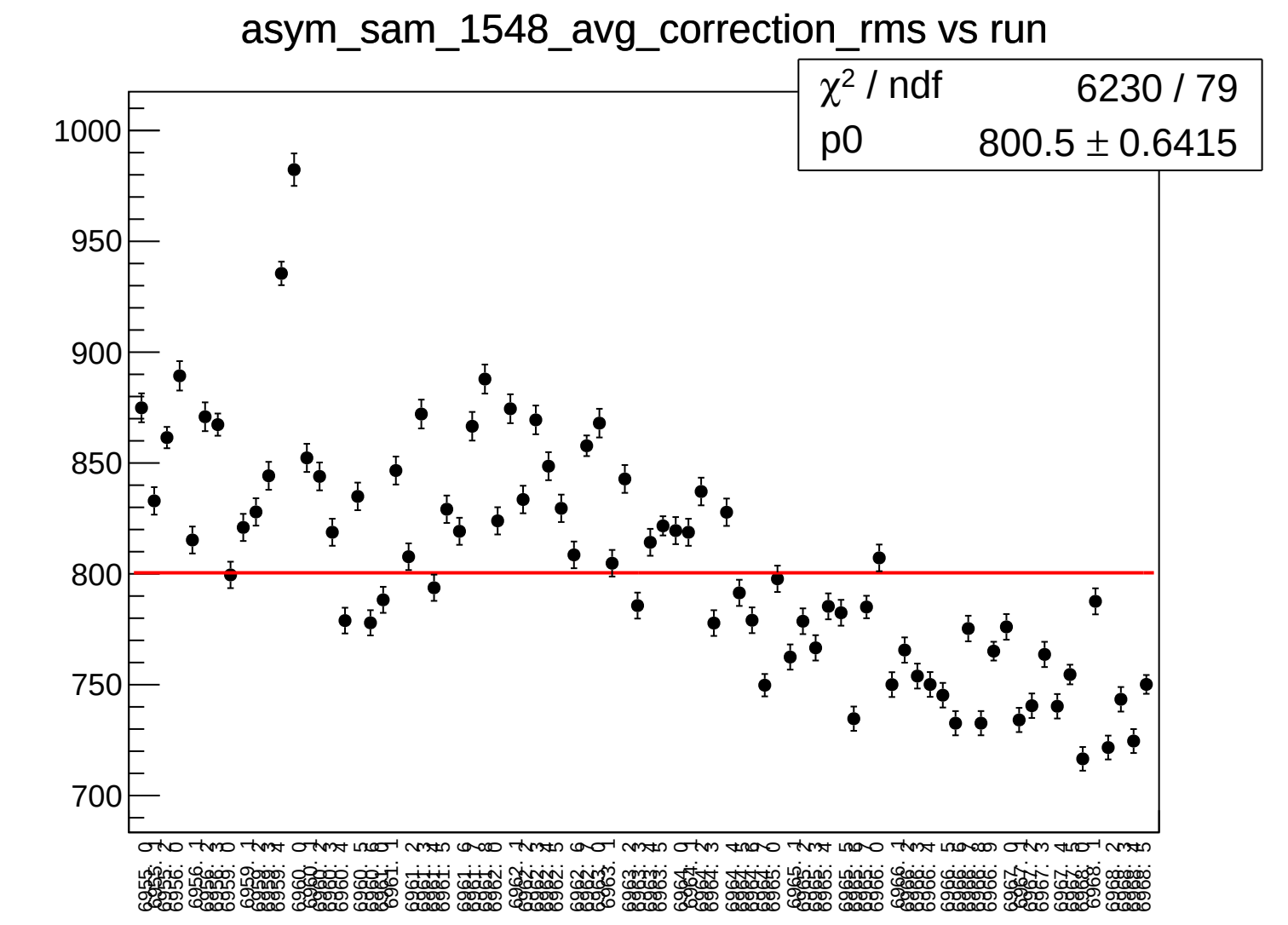

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 80.35 / 79
p0 96.84 ± 124.6
4000
2000
0
−2000
−4000
pull
Entries 80
Mean 723.3
Std Dev 678.5
3
2
1
0
−1
−2

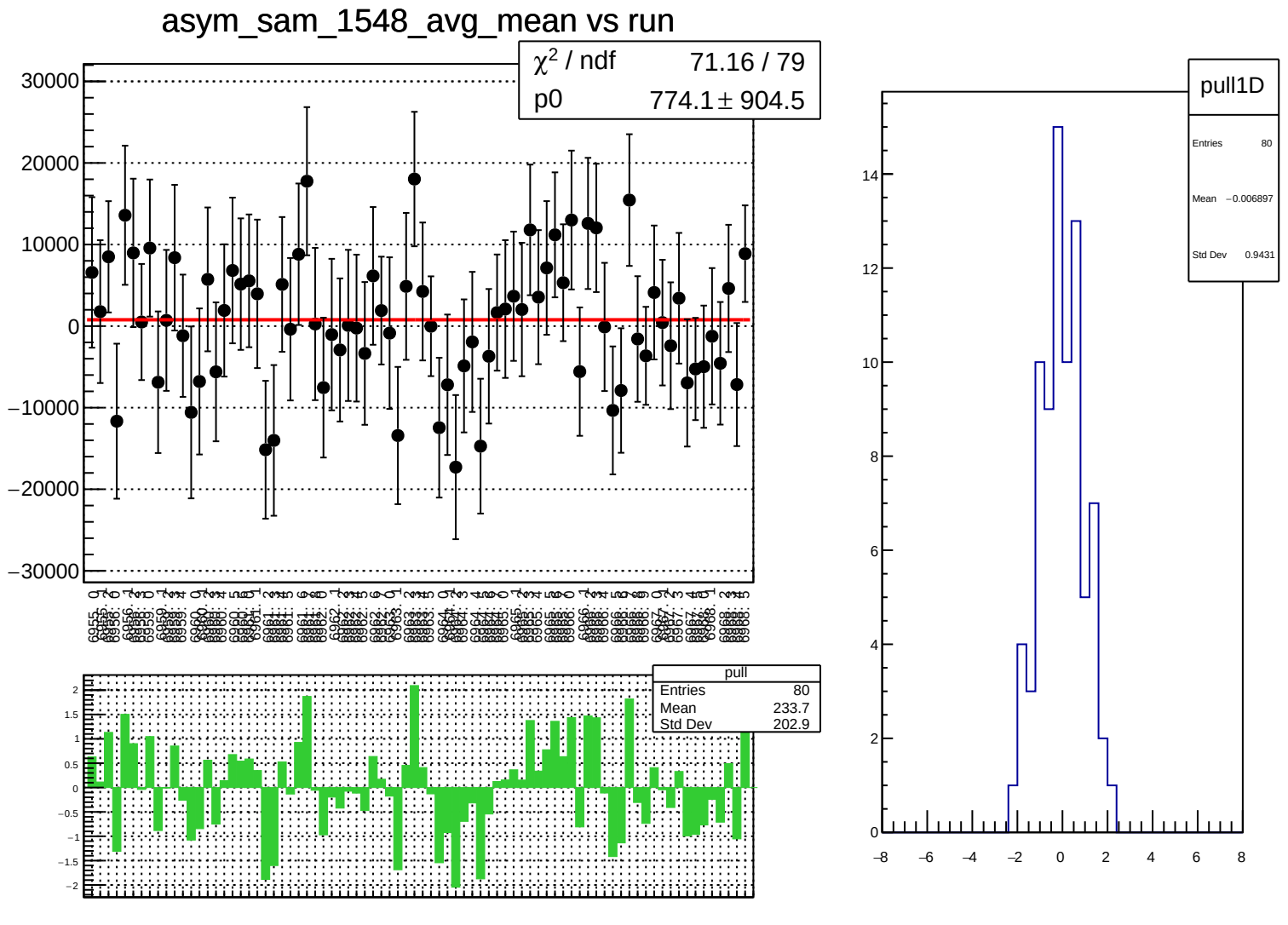

pull1D
Entries 80
Mean 0.005503
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

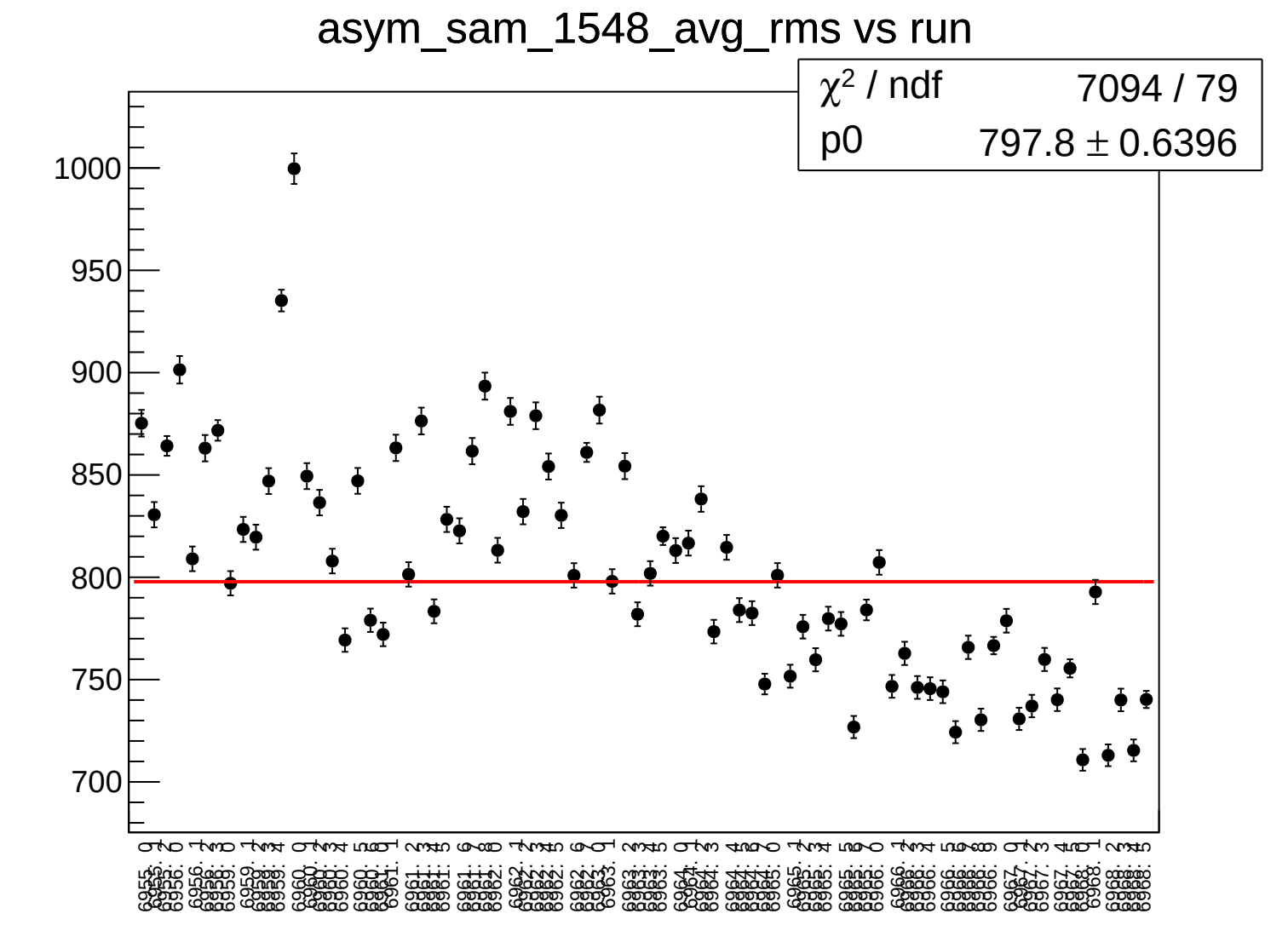

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1012 / 79
p0 110.1 ± 0.08812
118
116
114
112
110
108
106
104
102
100

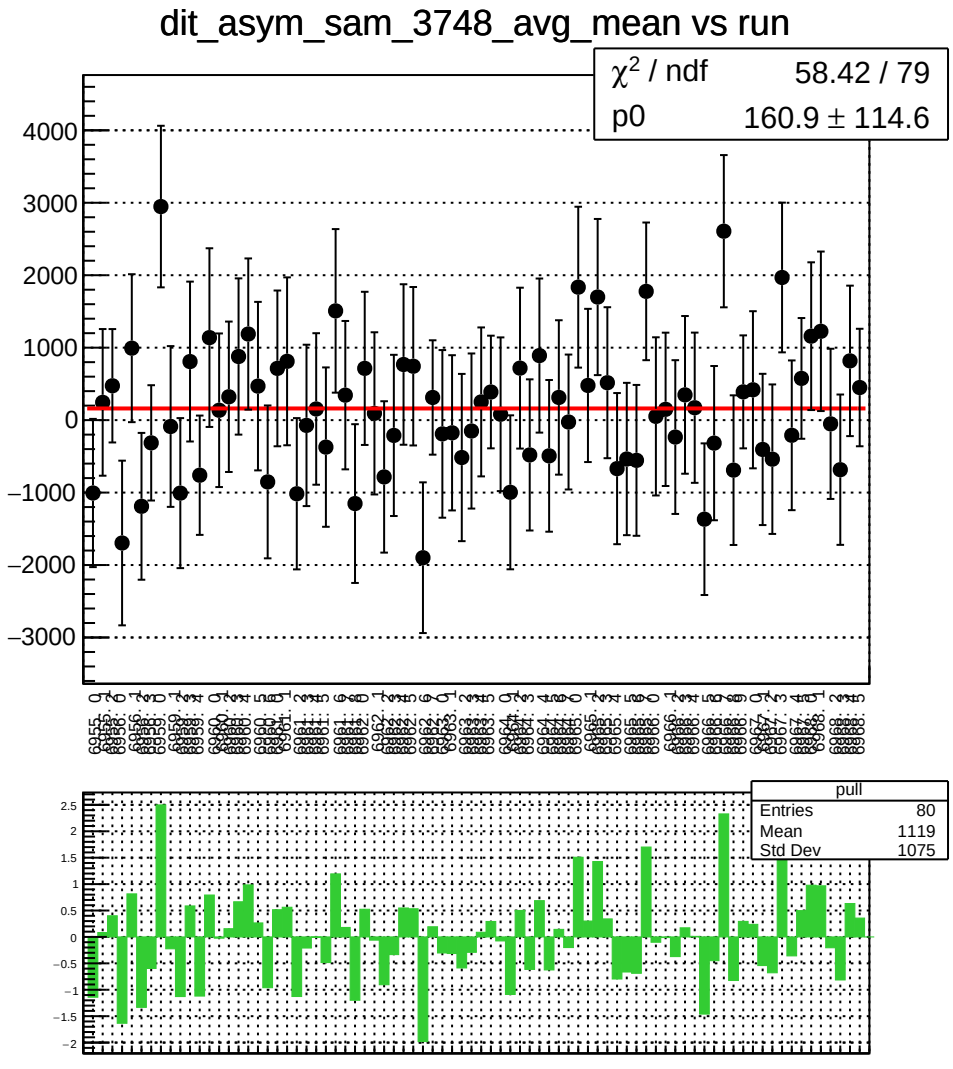

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 67.59 / 79
p0 −627.2 ± 907.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 437
Std Dev 402.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

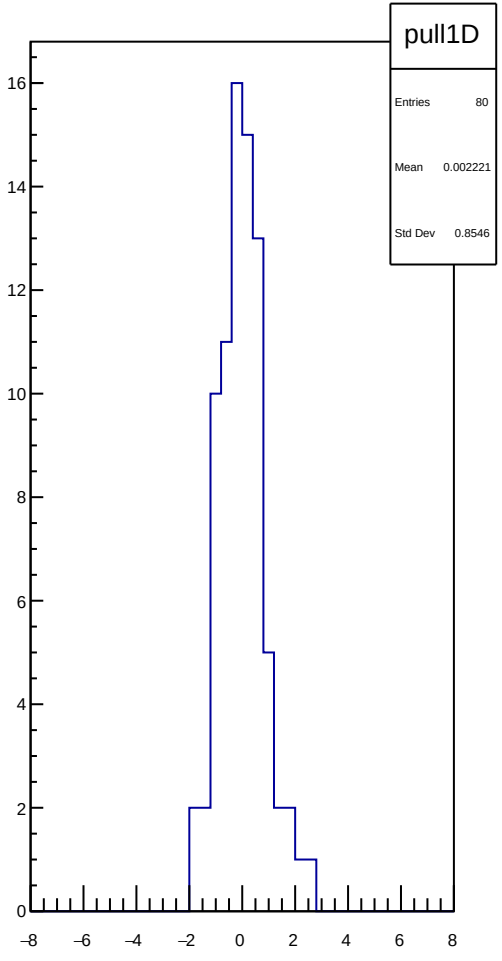

pull1D
Entries 80
Mean 0.004515
Std Dev 0.9192
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

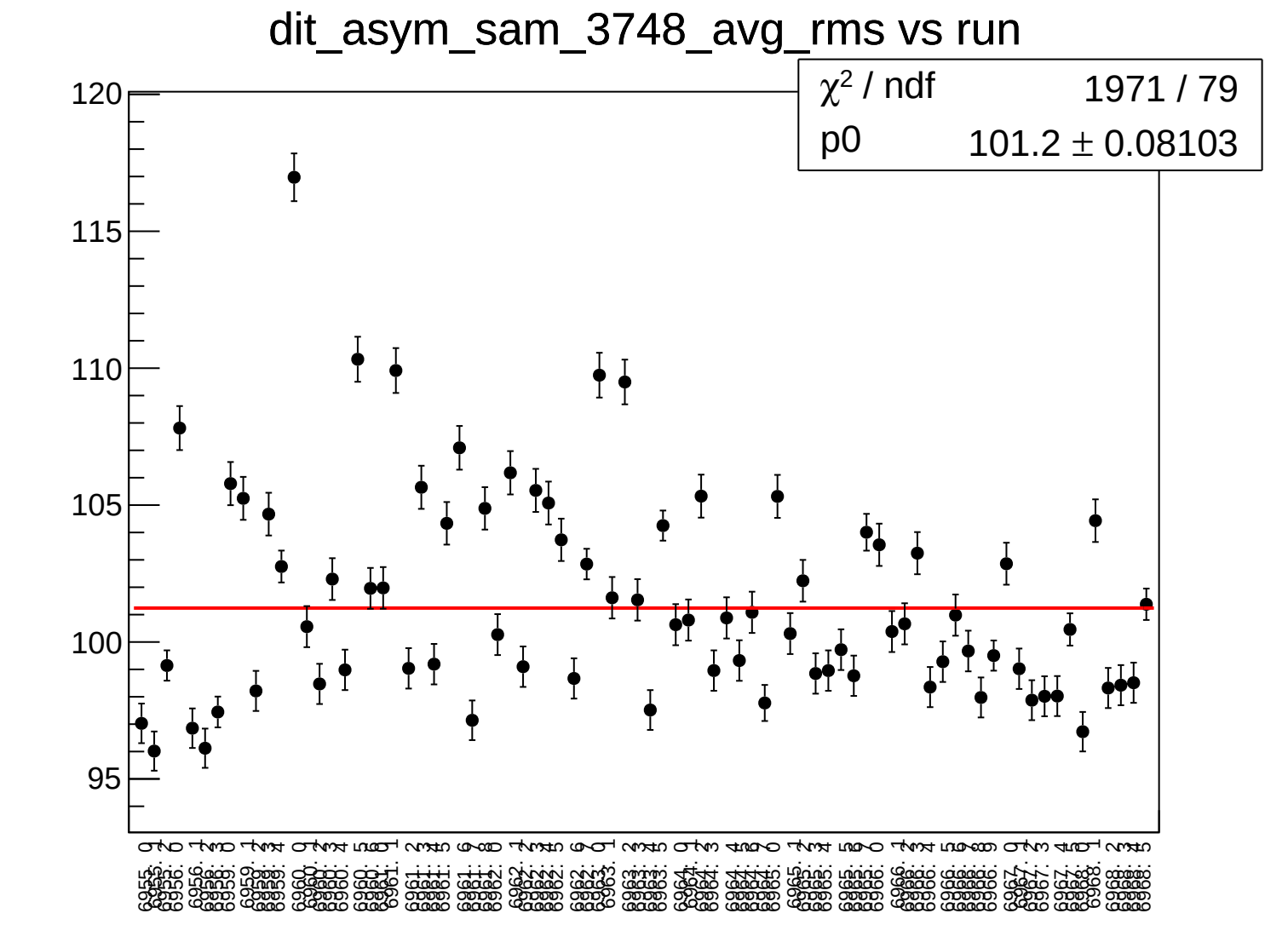

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 6230 / 79
p0 800.5 ± 0.6415
1000
950
900
850
800
750
700

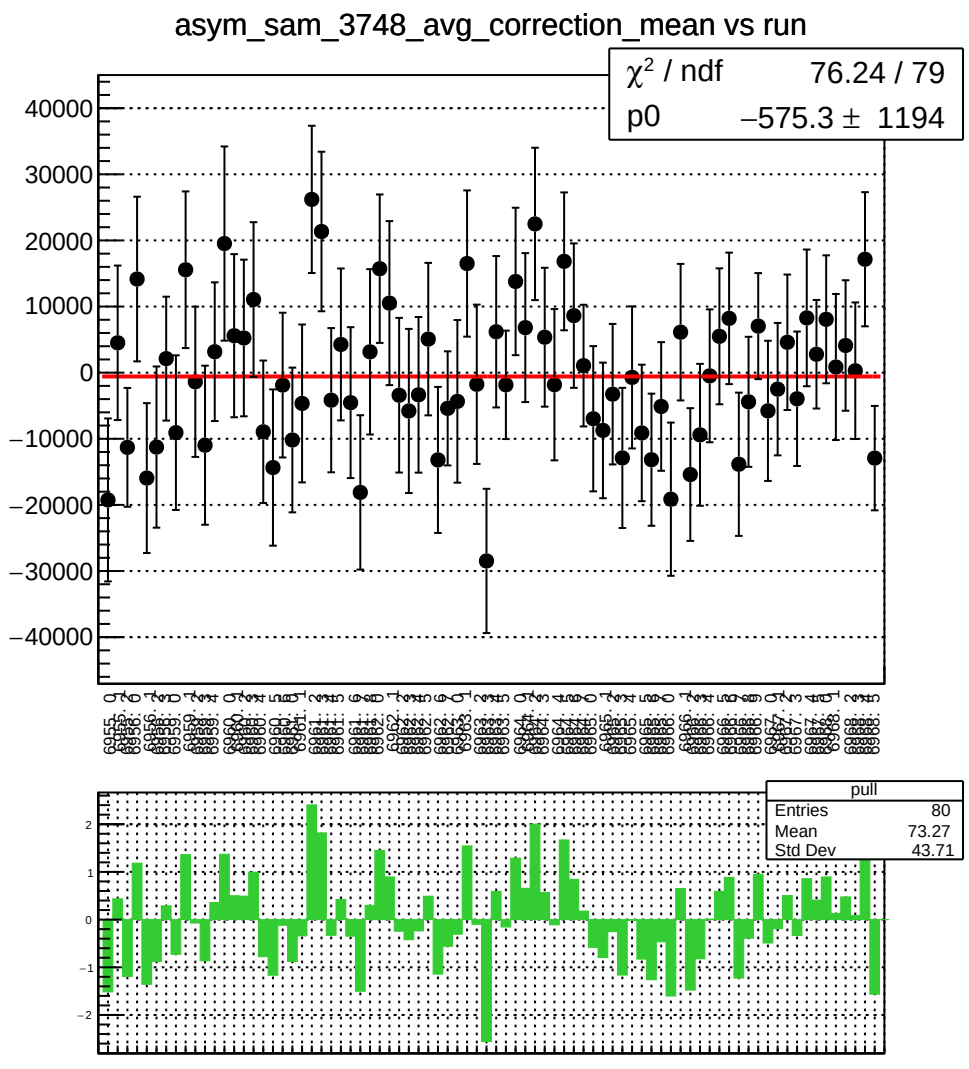

asym_sam_1548_avg_mean vs run
χ² / ndf 71.16 / 79
p0 774.1 ± 904.5
pull
Entries 80
Mean 233.7
Std Dev 202.9
pull1D
Entries 80
Mean −0.006897
Std Dev 0.9431

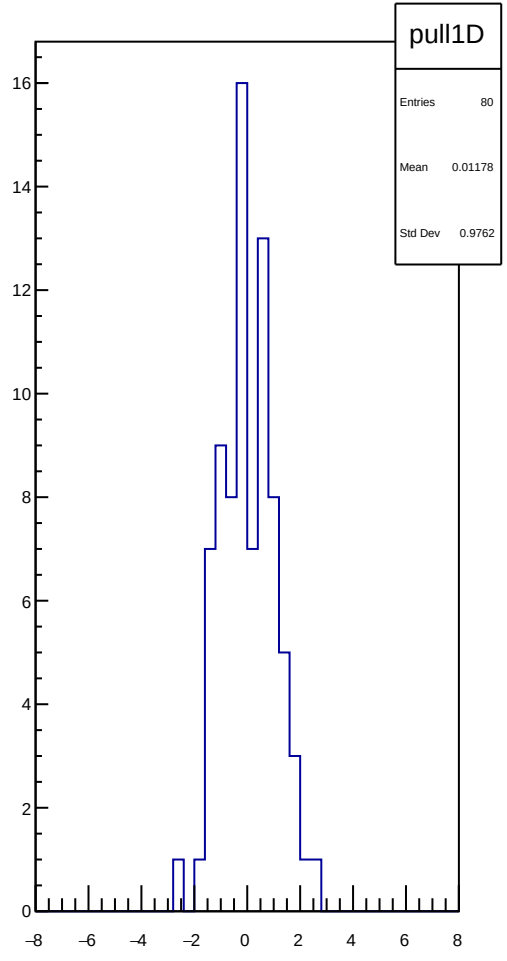

asym_sam_1548_avg_rms vs run
χ² / ndf 7094 / 79
p0 797.8 ± 0.6396
1000
950
900
850
800
750
700

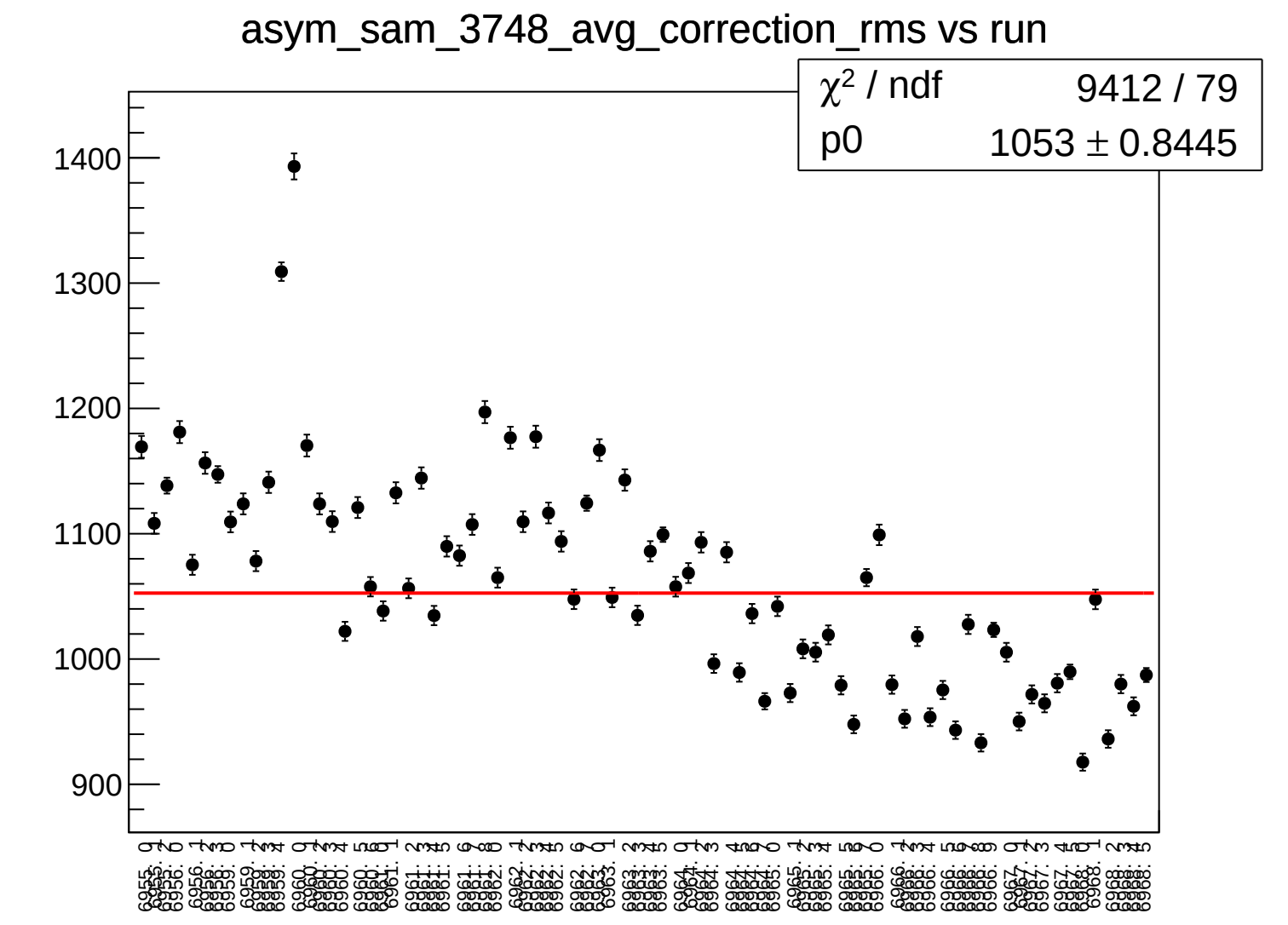

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 58.42 / 79
p0 160.9 ± 114.6
pull
Entries 80
Mean 1119
Std Dev 1075

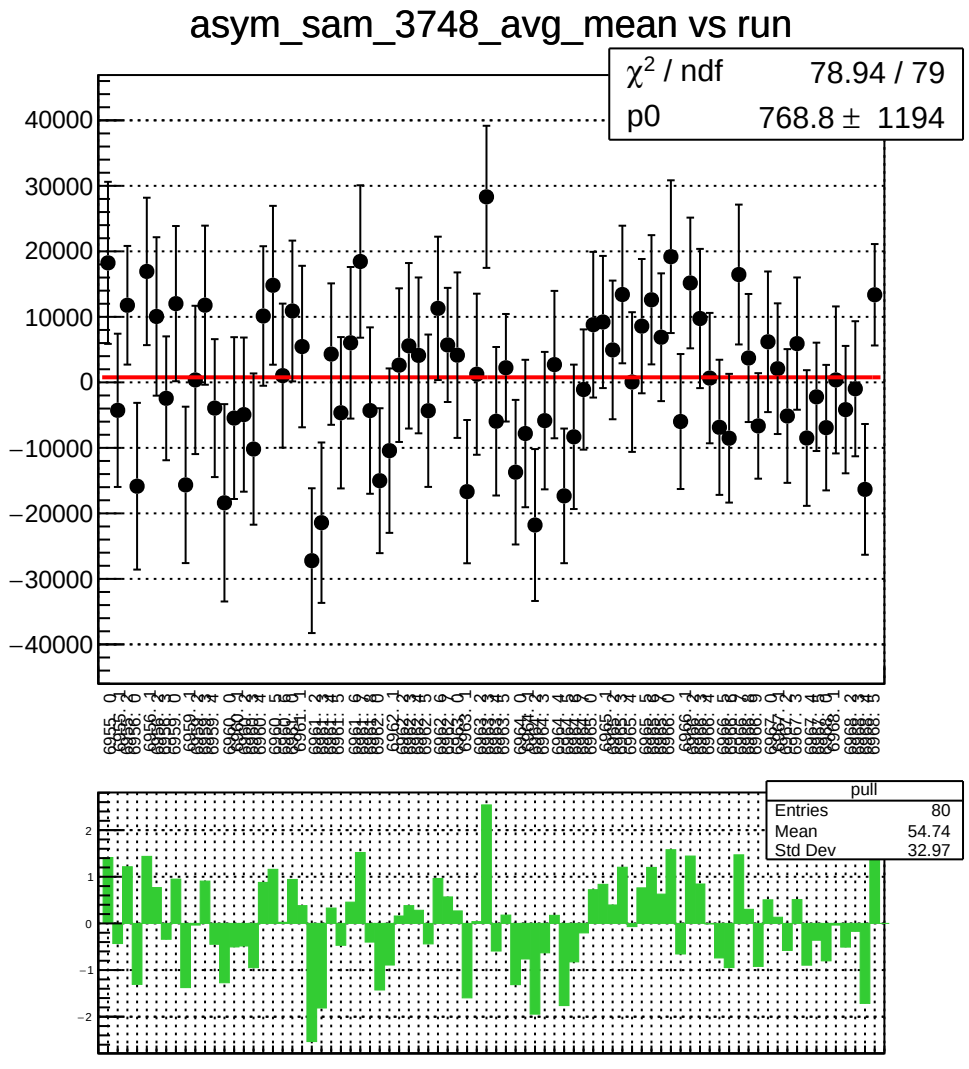

pull1D
Entries 80
Mean 0.002221
Std Dev 0.8546

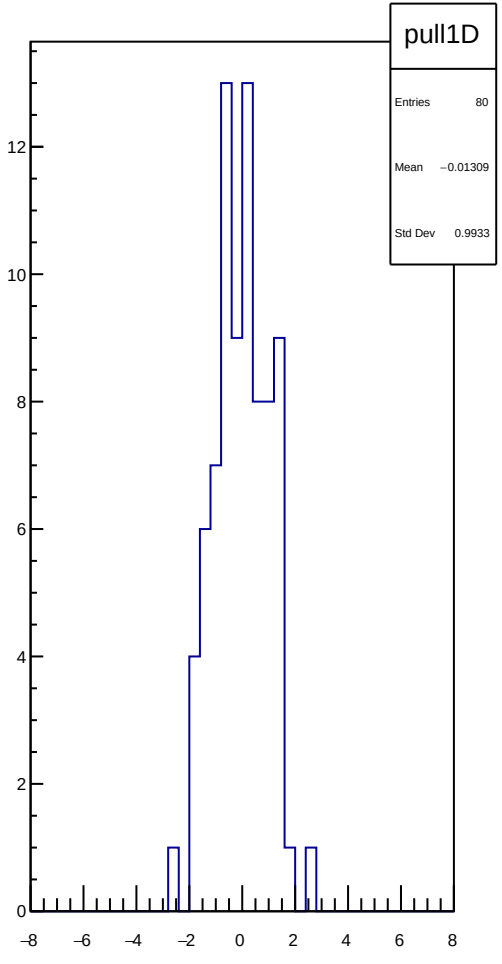

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1971 / 79
p0 101.2 ± 0.08103
120
115
110
105
100
95

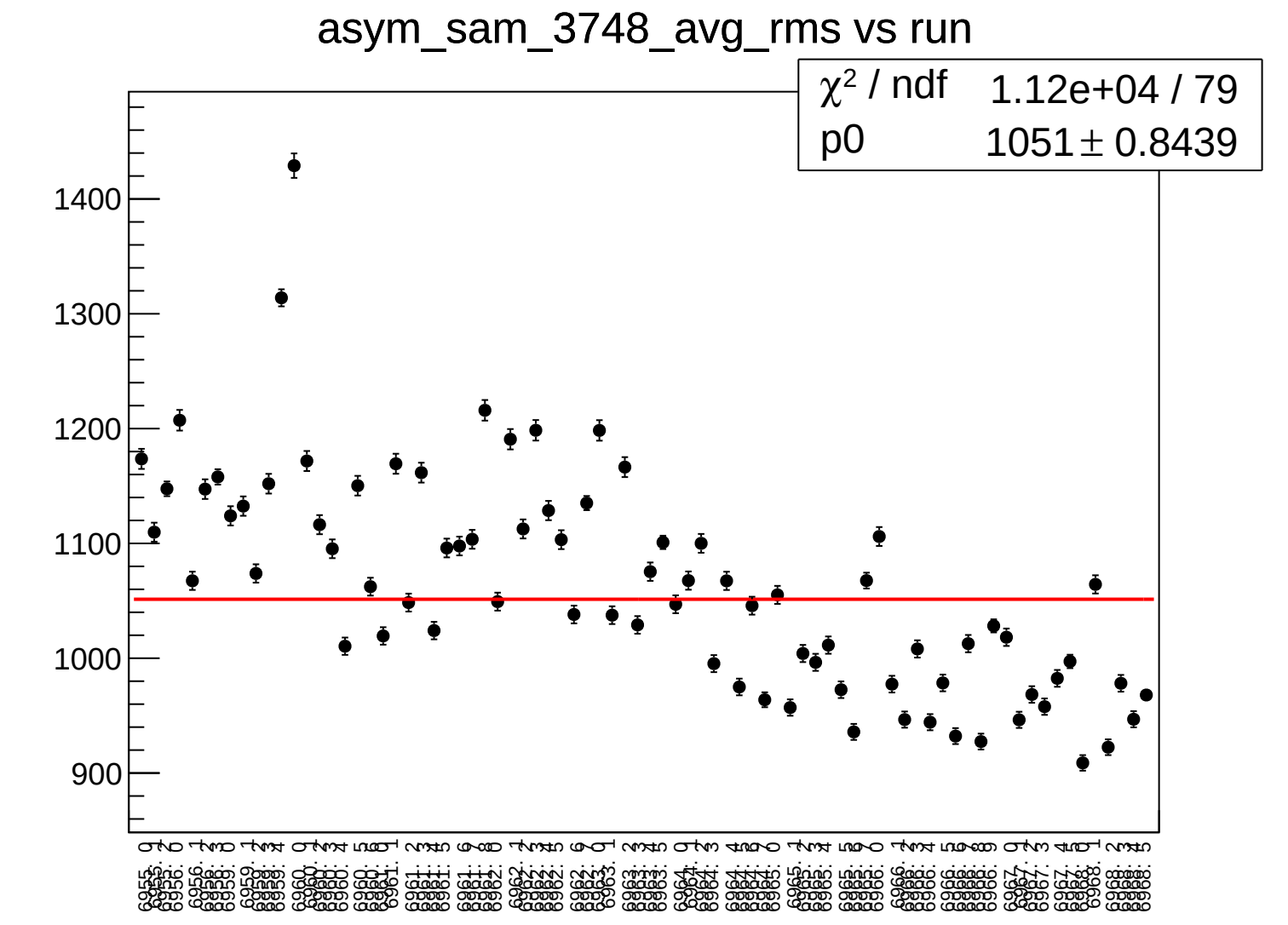

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 76.24 / 79
p0 −575.3 ± 1194
pull
Entries 80
Mean 73.27
Std Dev 43.71

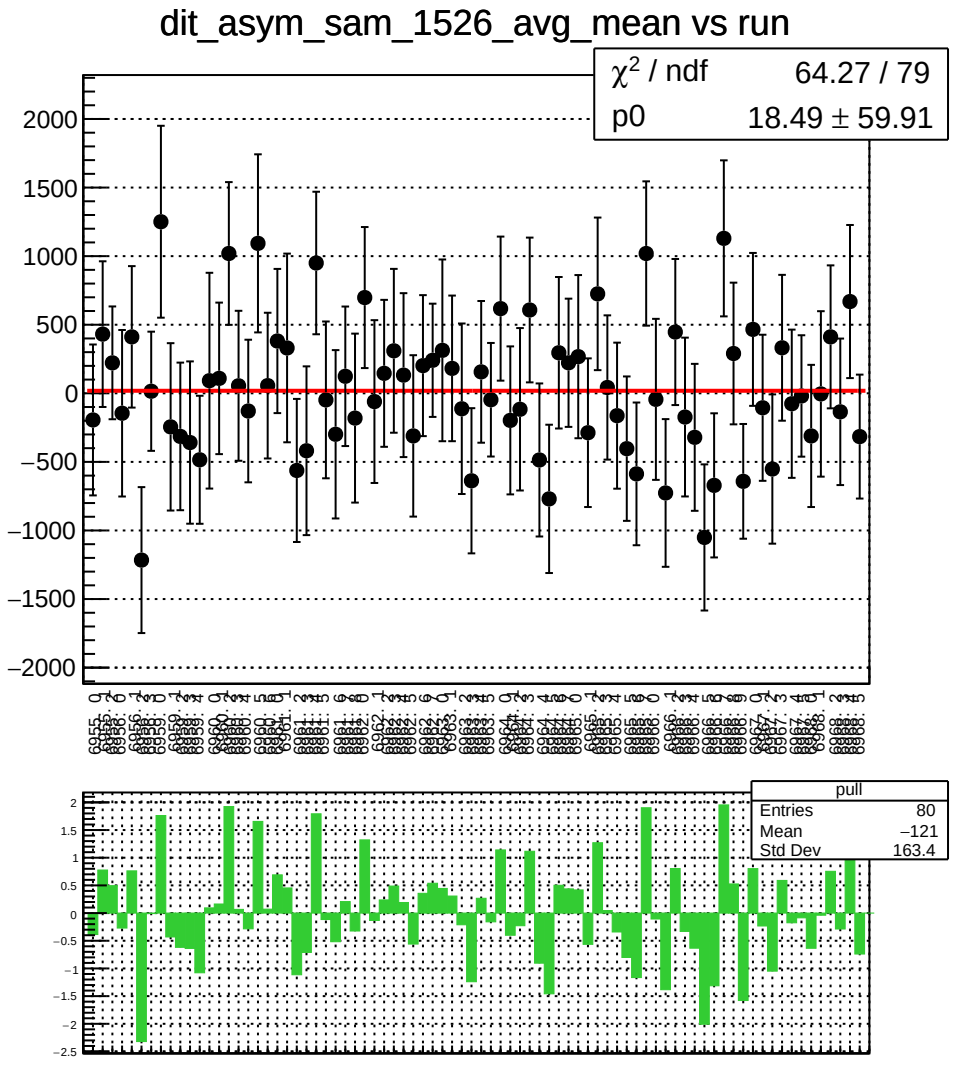

pull1D
Entries 80
Mean 0.01178
Std Dev 0.9762

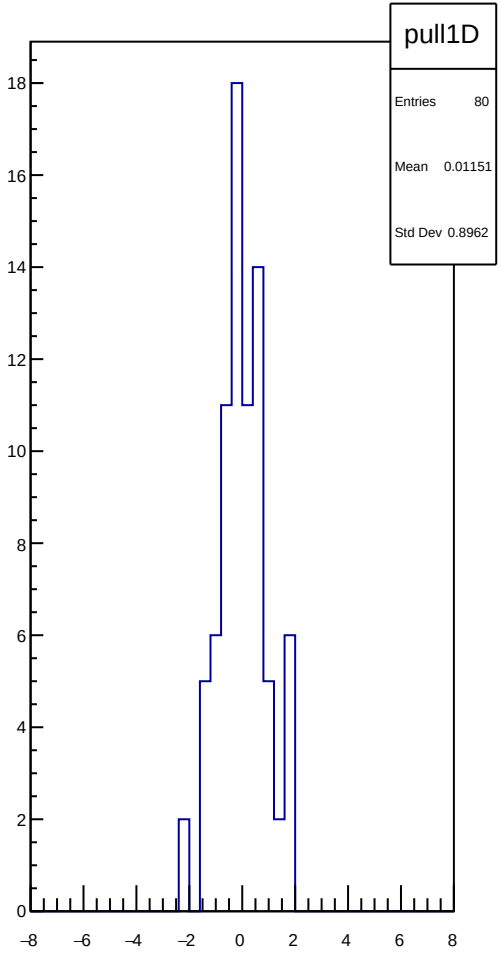

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 9412 / 79
p0 1053 ± 0.8445
1400
1300
1200
1100
1000
900

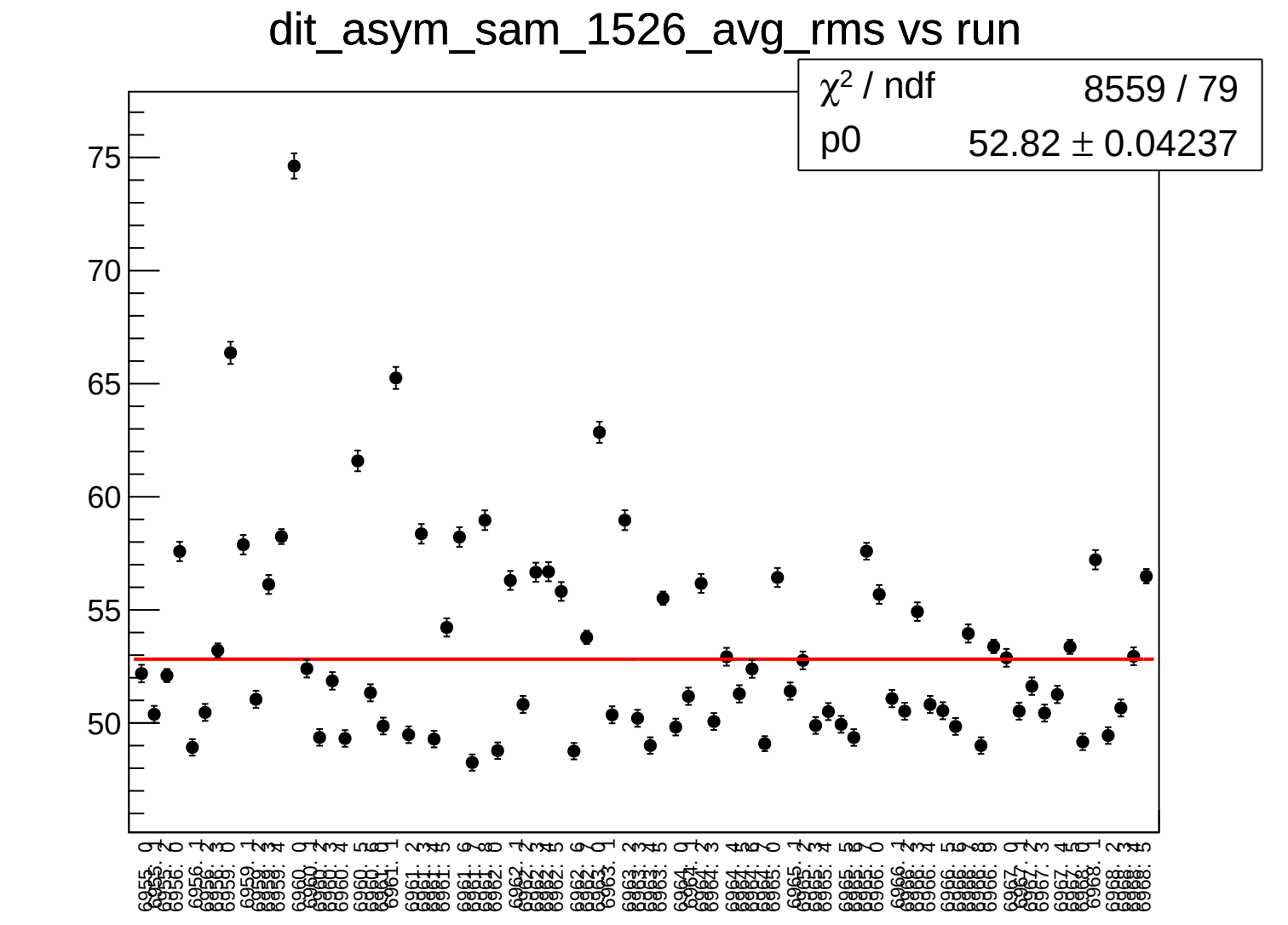

asym_sam_3748_avg_mean vs run
χ² / ndf 78.94 / 79
p0 768.8 ± 1194
pull
Entries 80
Mean 54.74
Std Dev 32.97

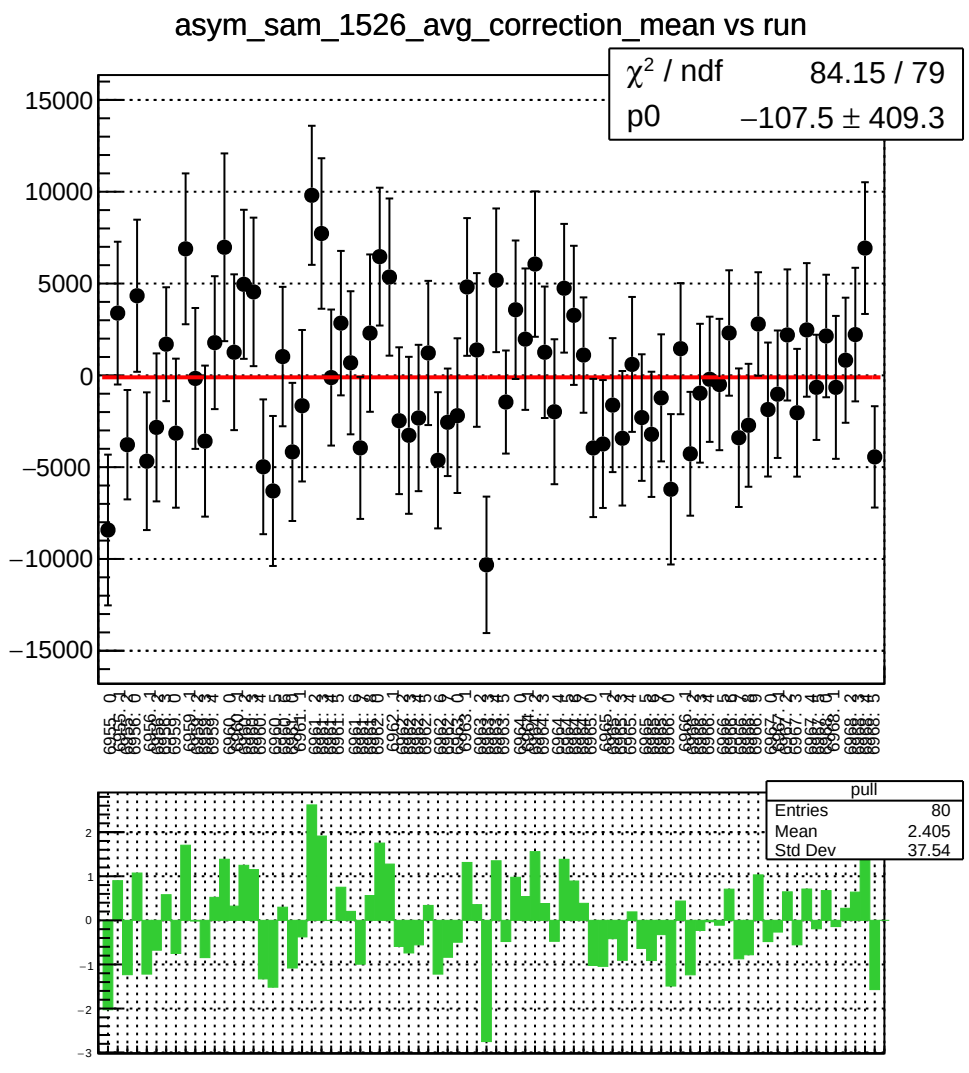

pull1D
Entries 80
Mean −0.01309
Std Dev 0.9933

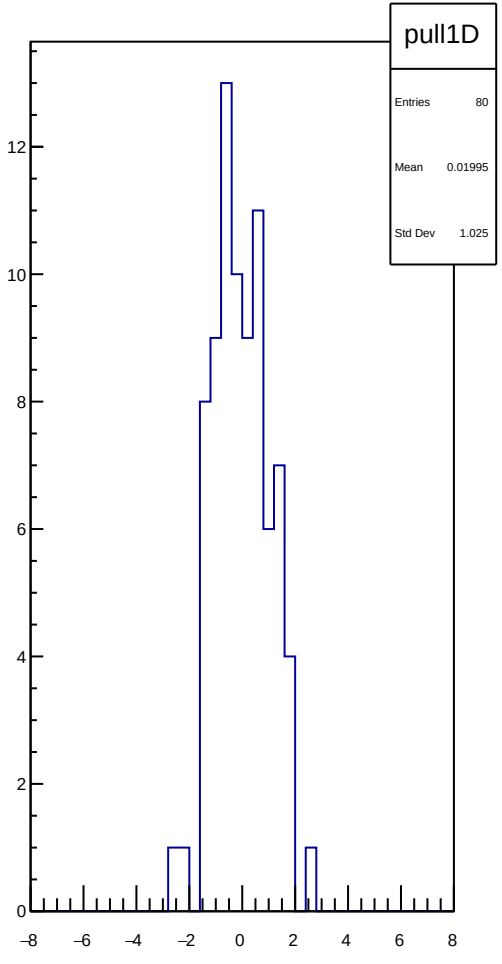

asym_sam_3748_avg_rms vs run
χ² / ndf 1.12e+04 / 79
p0 1051 ± 0.8439
1400
1300
1200
1100
1000
900

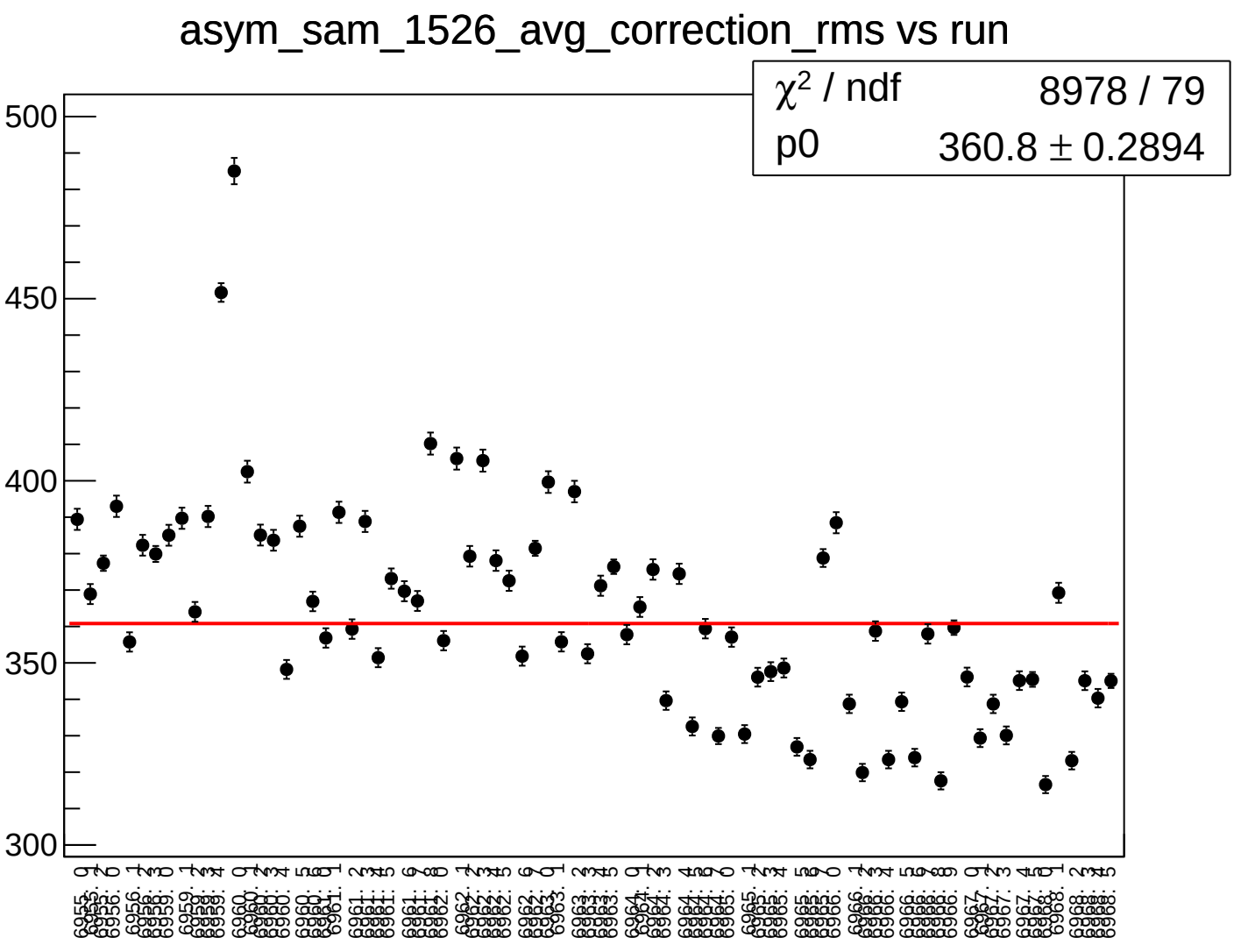

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 64.27 / 79
p0 18.49 ± 59.91
pull
Entries 80
Mean −121
Std Dev 163.4

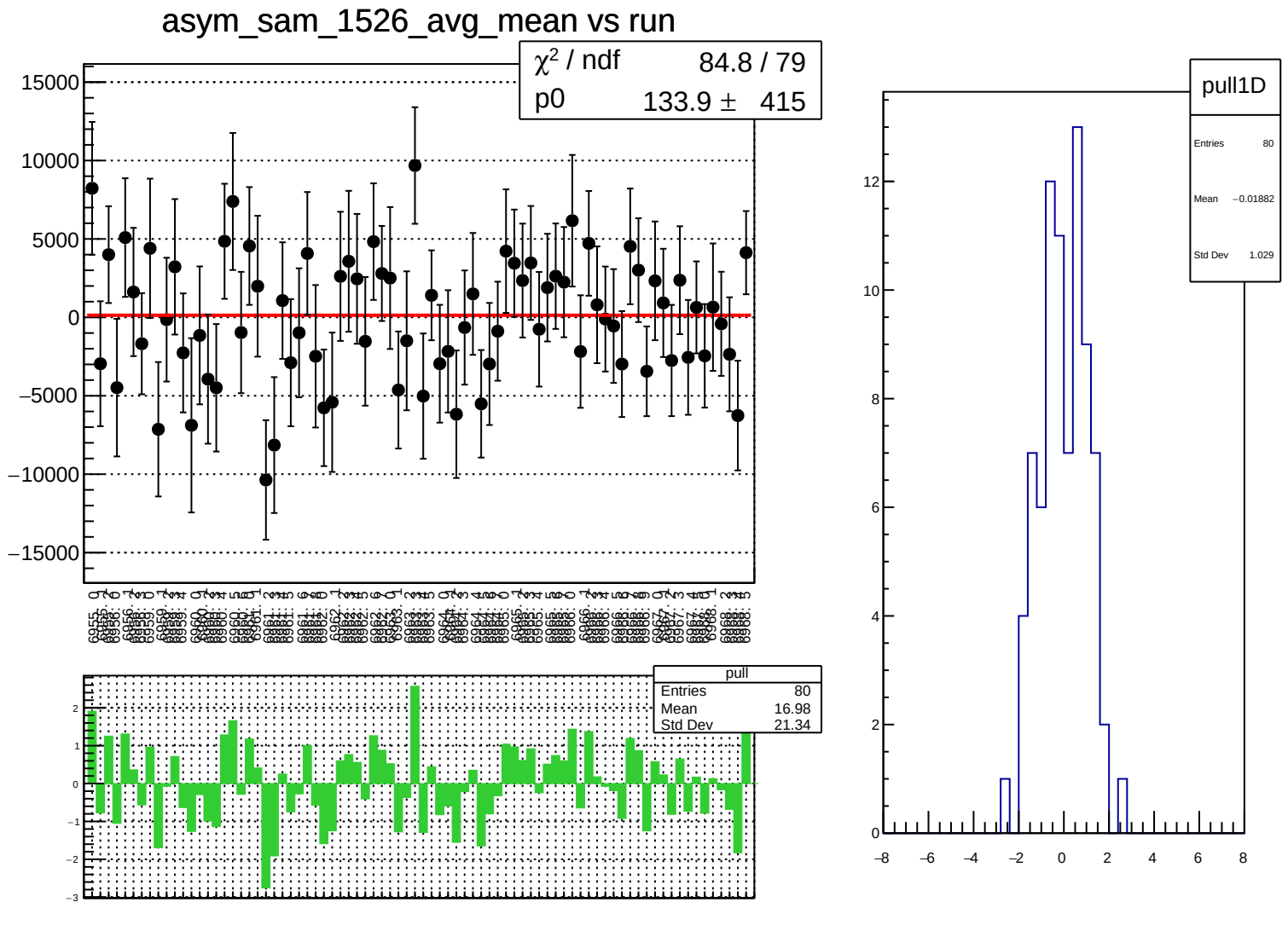

pull1D
Entries 80
Mean 0.01151
Std Dev 0.8962

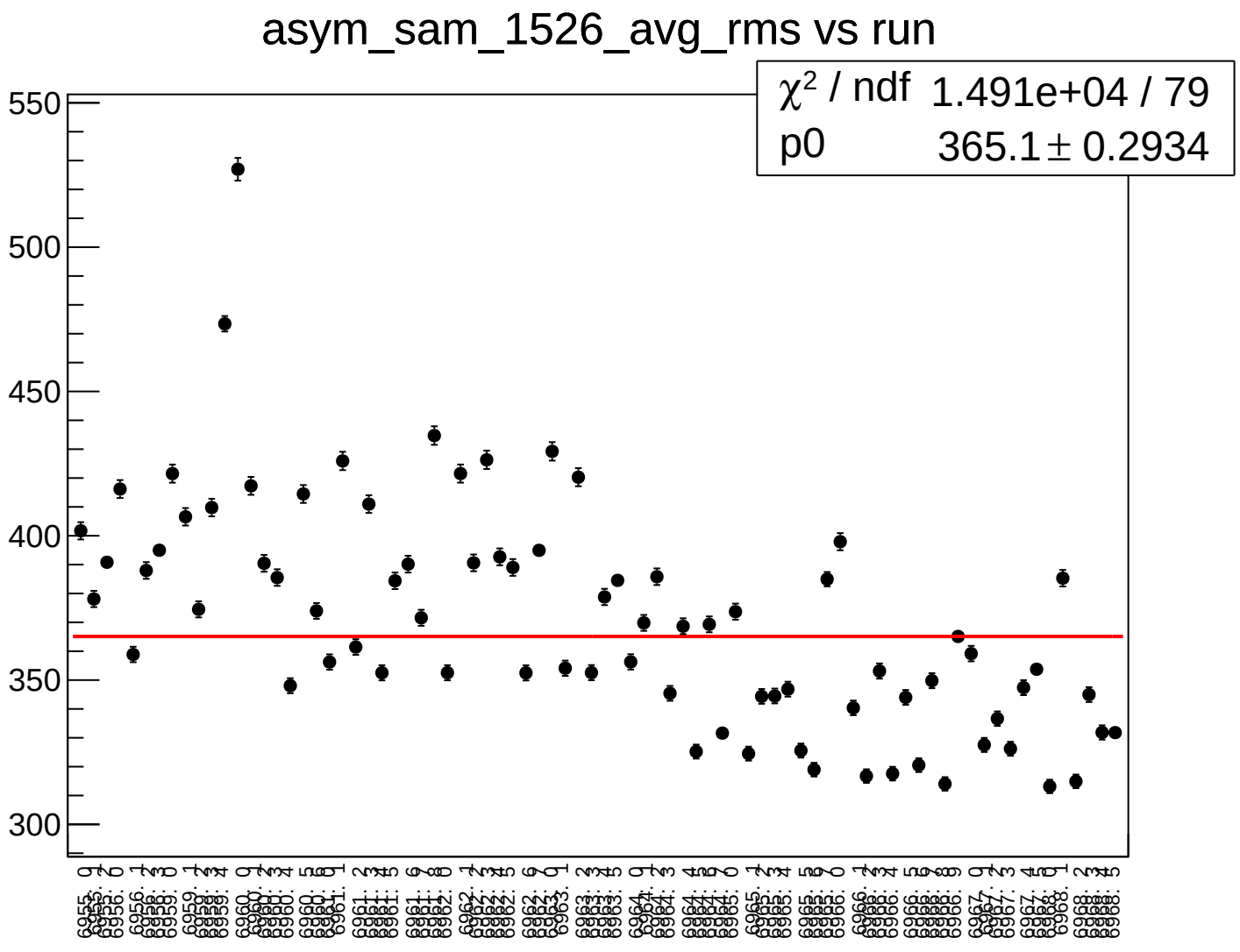

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 8559 / 79
p0 52.82 ± 0.04237
75
70
65
60
55
50

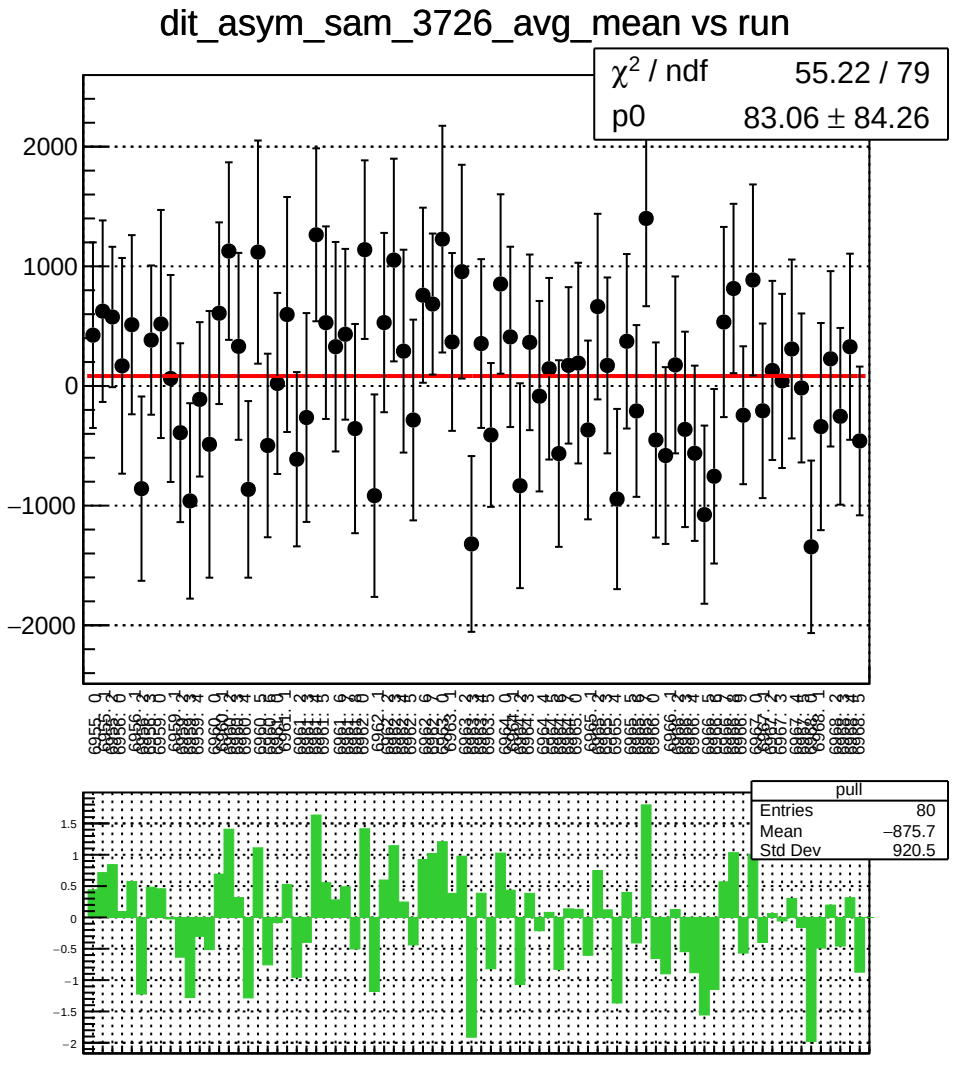

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 84.15 / 79
p0 −107.5 ± 409.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 2.405
Std Dev 37.54
2
1
0
−1
−2
−3

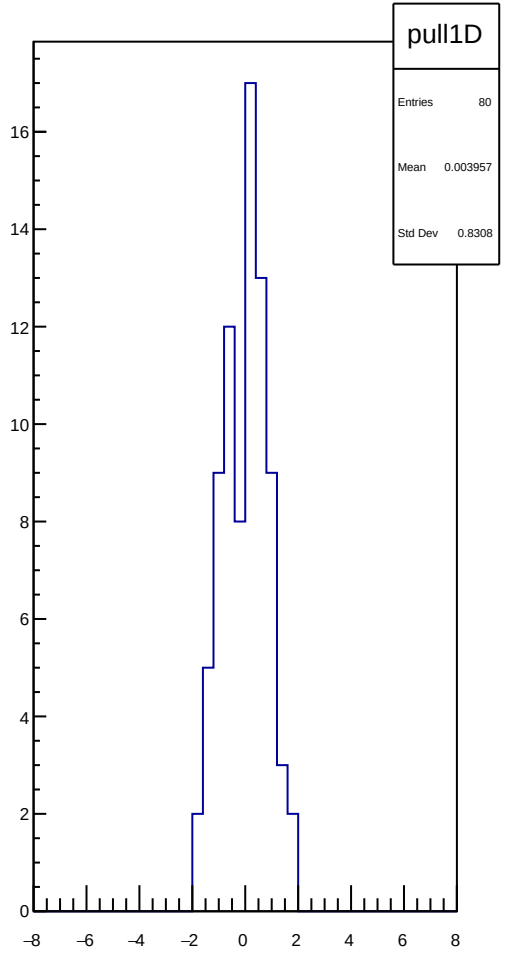

pull1D
Entries 80
Mean 0.01995
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_correction_rms vs run
χ² / ndf 8978 / 79
p0 360.8 ± 0.2894
500
450
400
350
300

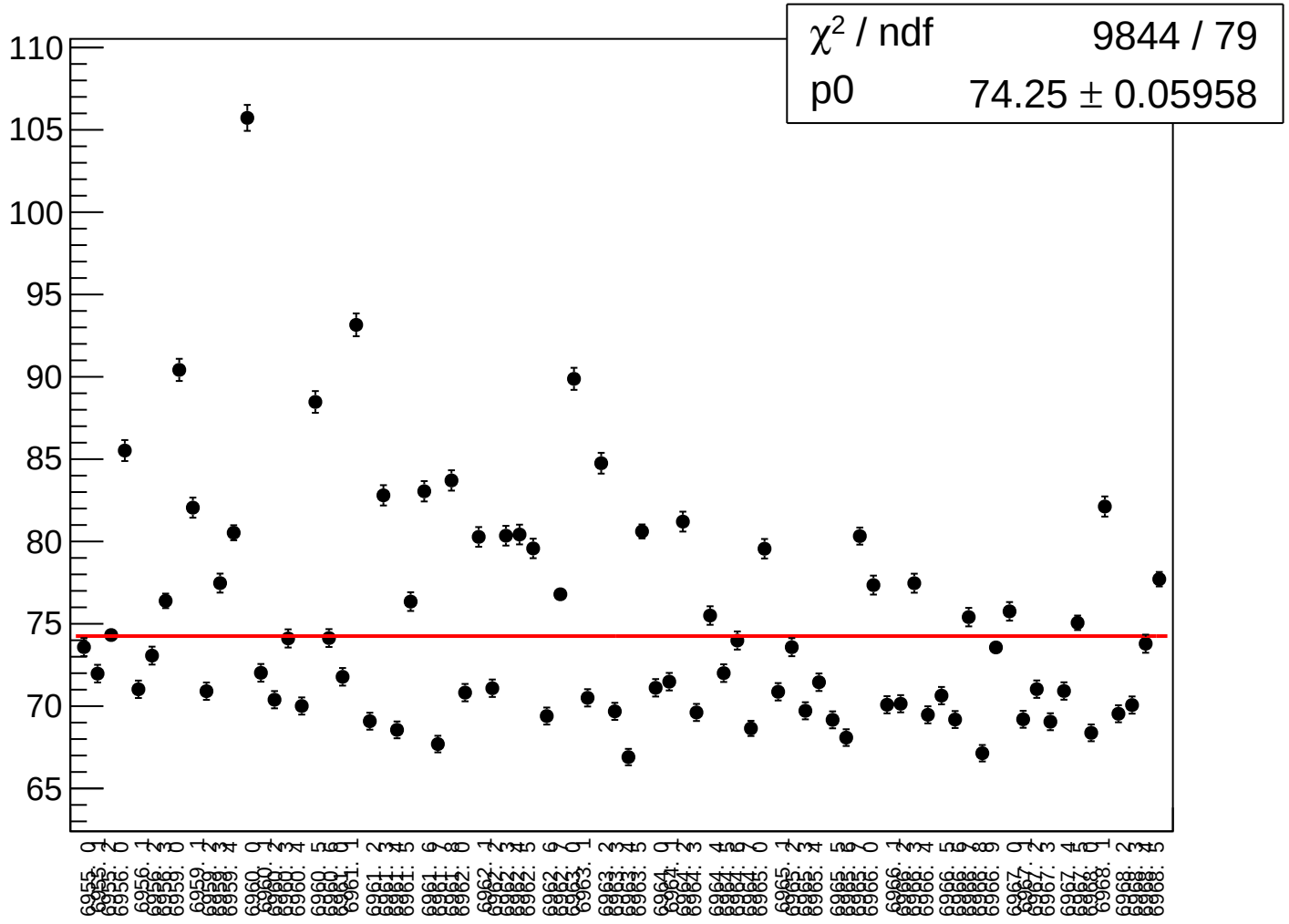

asym_sam_1526_avg_mean vs run
χ² / ndf 84.8 / 79
p0 133.9 ± 415
pull
Entries 80
Mean 16.98
Std Dev 21.34
pull1D
Entries 80
Mean −0.01882
Std Dev 1.029

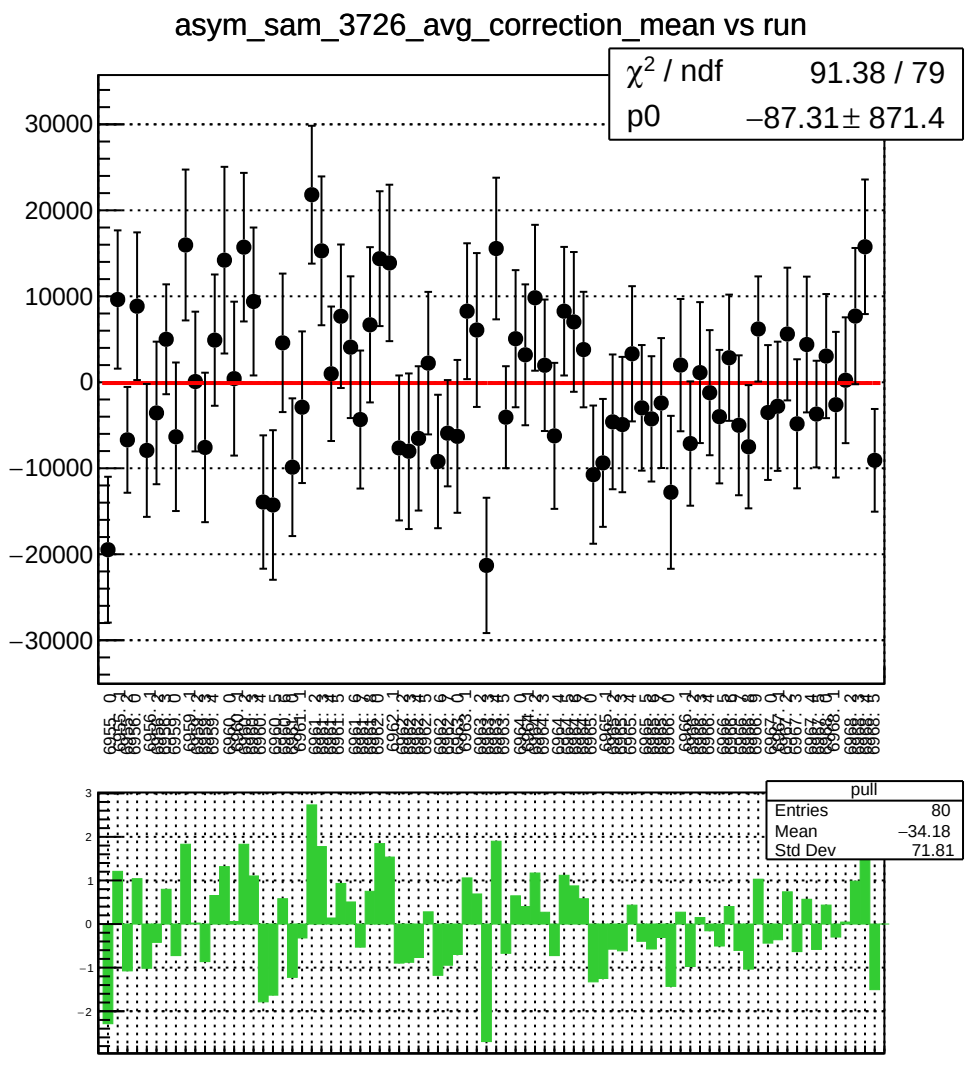

asym_sam_1526_avg_rms vs run
χ² / ndf 1.491e+04 / 79
p0 365.1 ± 0.2934
550
500
450
400
350
300

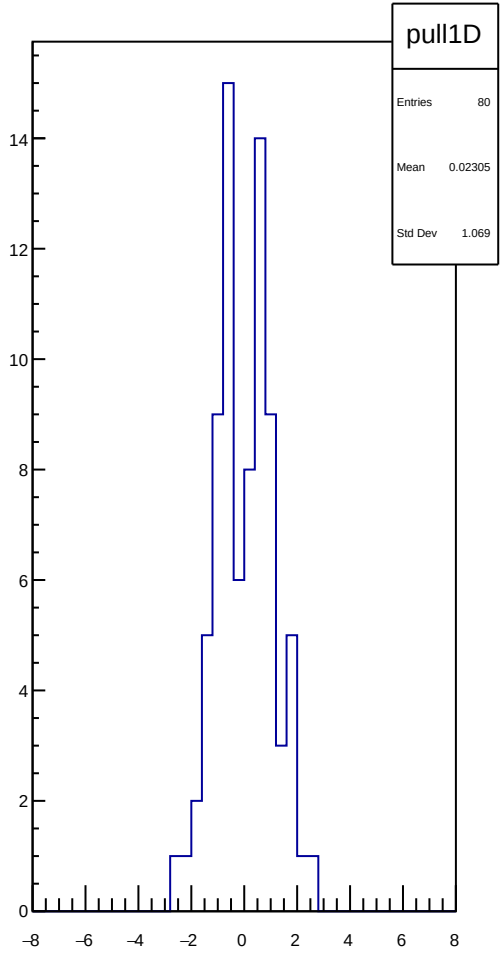

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 55.22 / 79
p0 83.06 ± 84.26
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −875.7
Std Dev 920.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

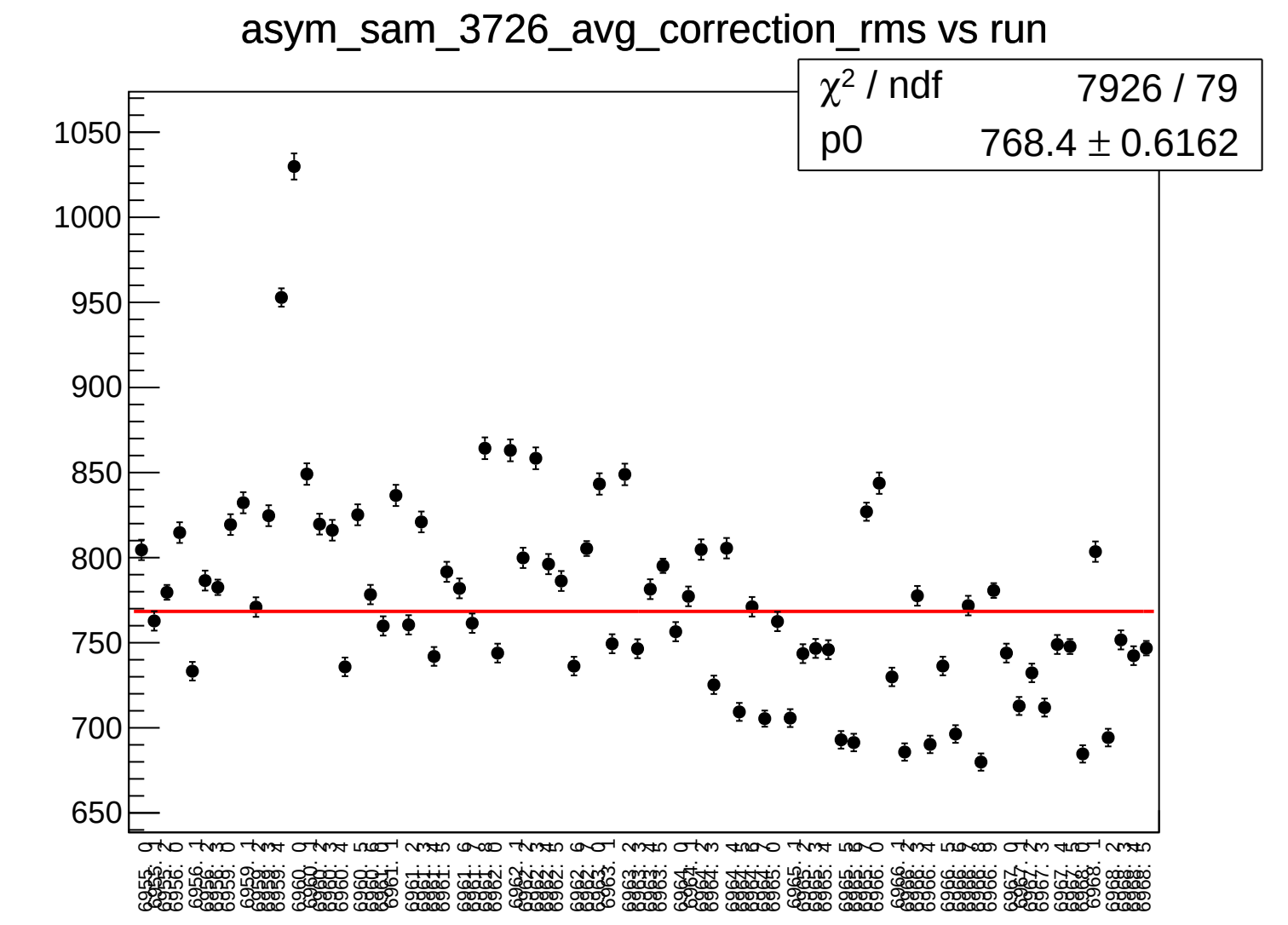

pull1D
Entries 80
Mean 0.003957
Std Dev 0.8308
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

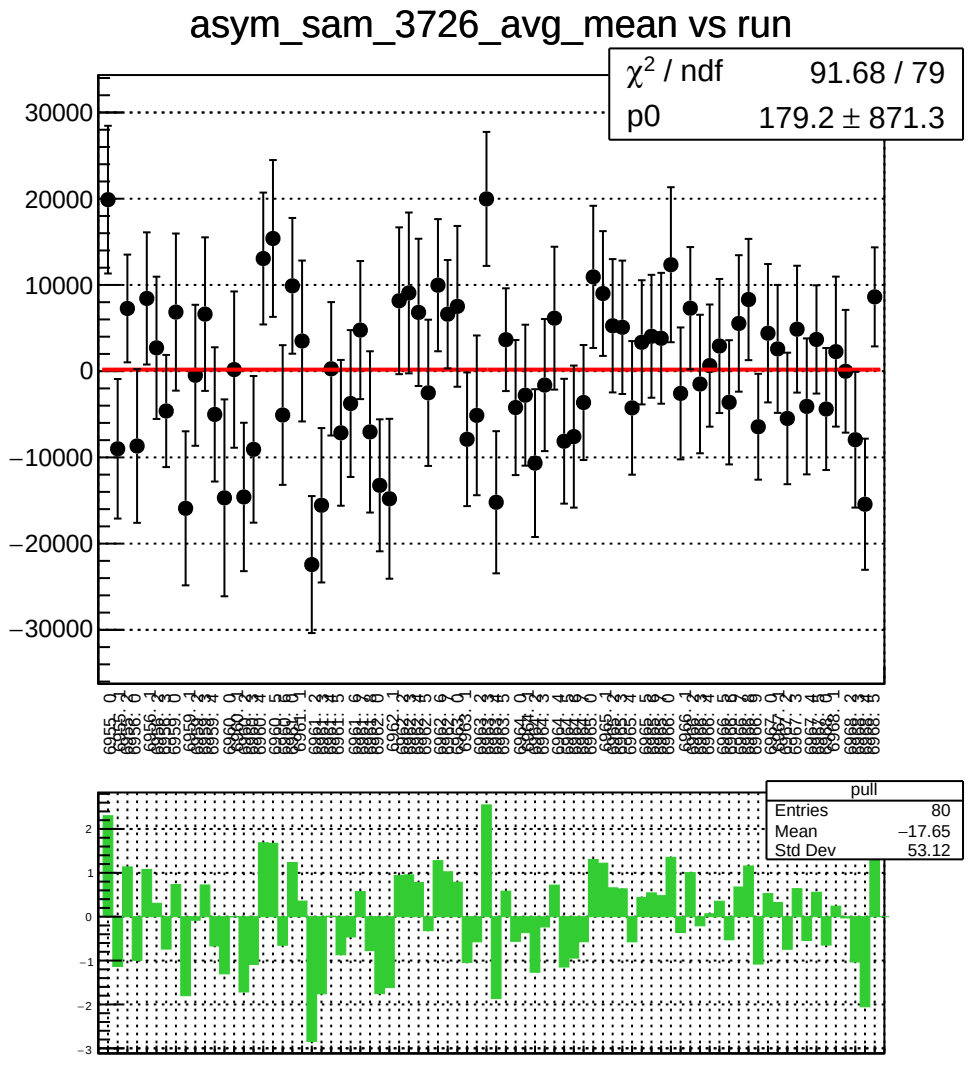
dit_asym_sam_3726_avg_rms vs run

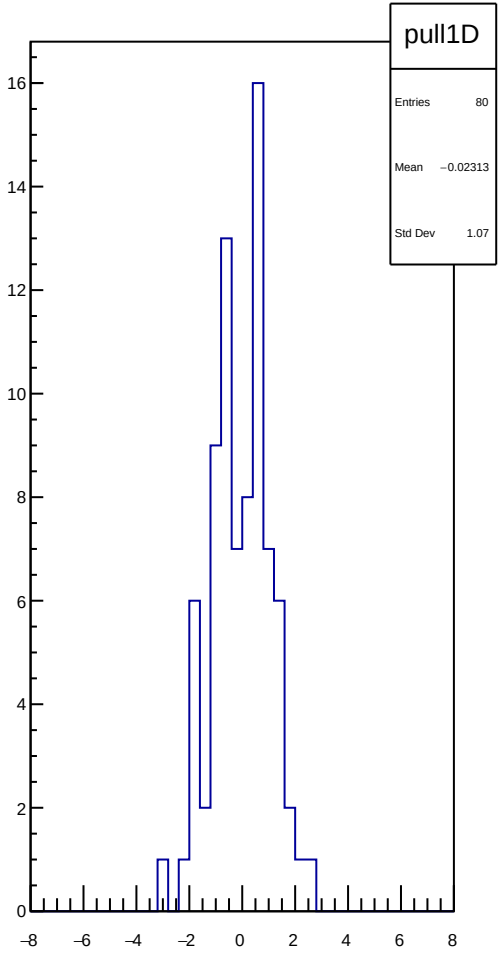


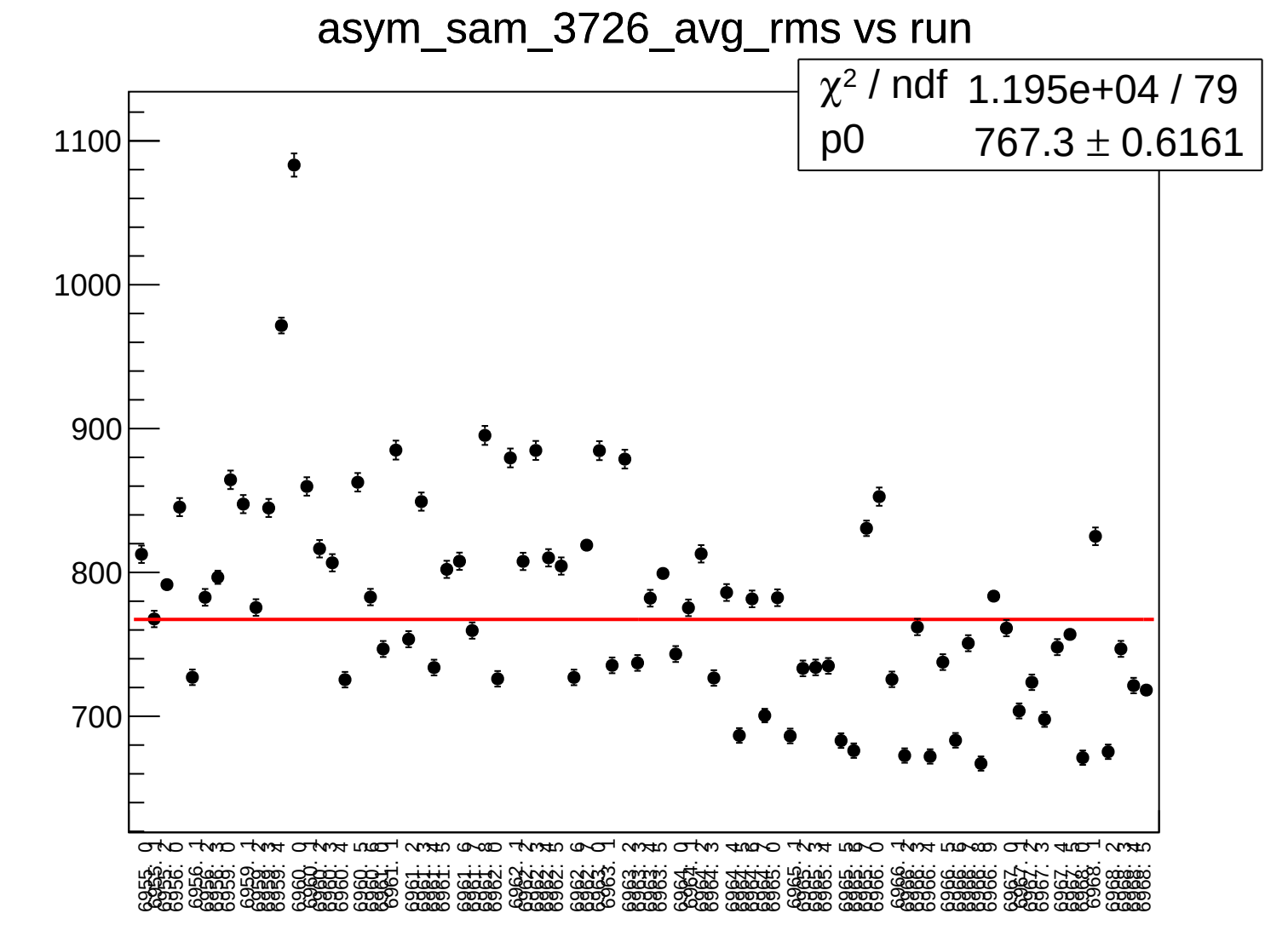

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 91.38 / 79
p0 −87.31 ± 871.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −34.18
Std Dev 71.81
3
2
1
0
−1
−2

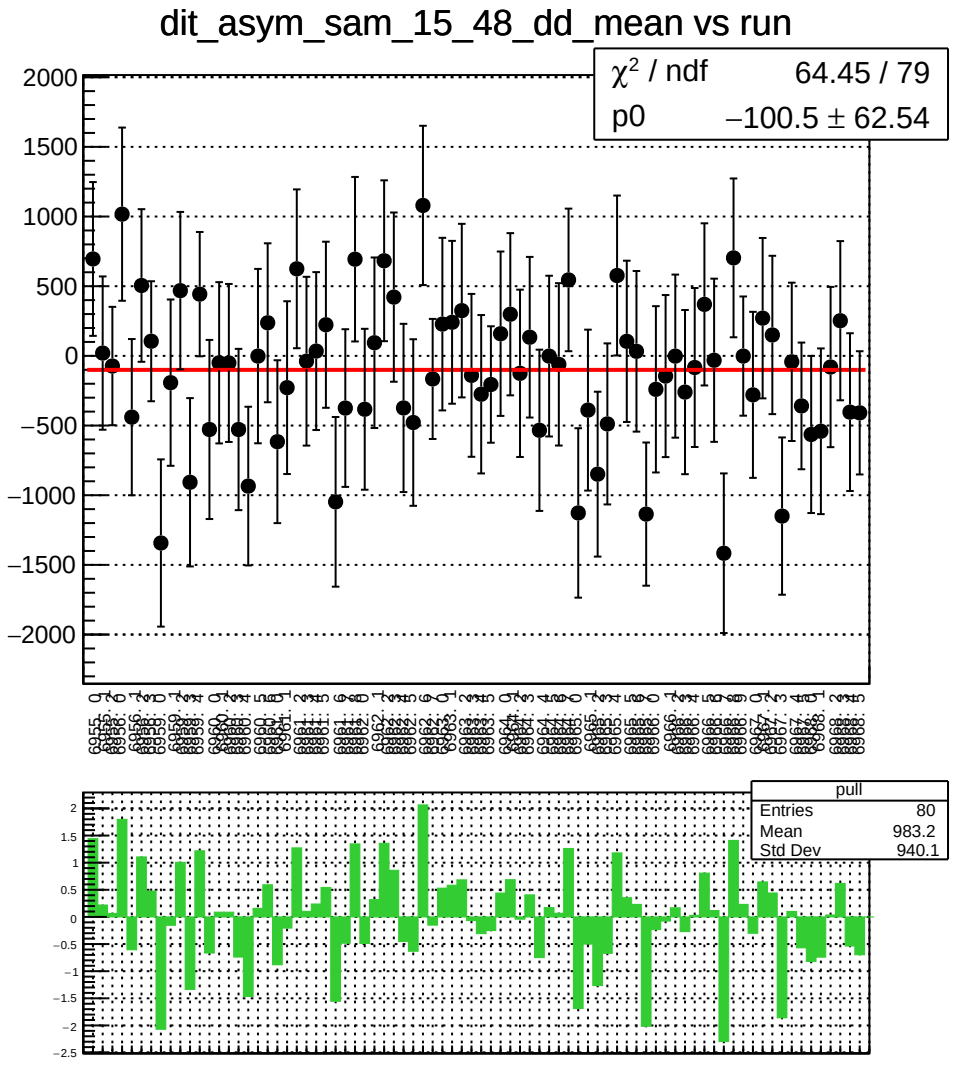

pull1D
Entries 80
Mean 0.02305
Std Dev 1.069
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

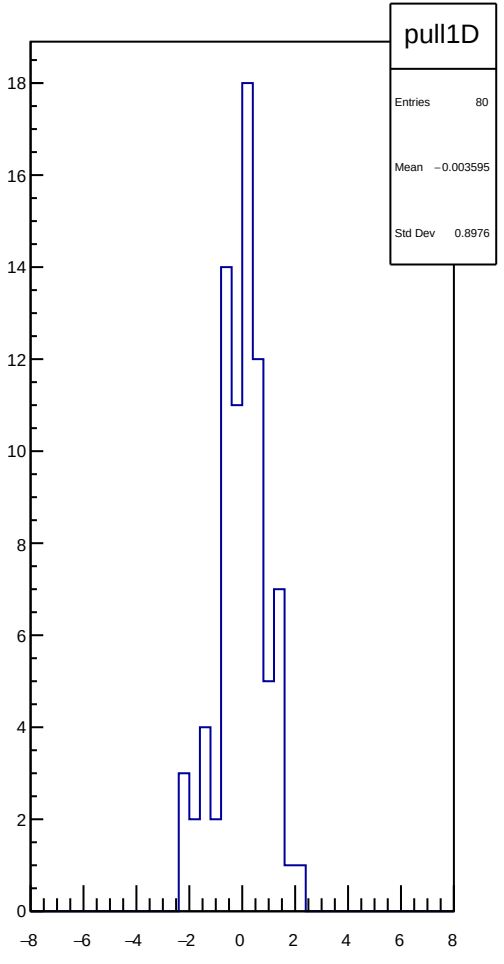

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 7926 / 79
p0 768.4 ± 0.6162
1050
1000
950
900
850
800
750
700
650

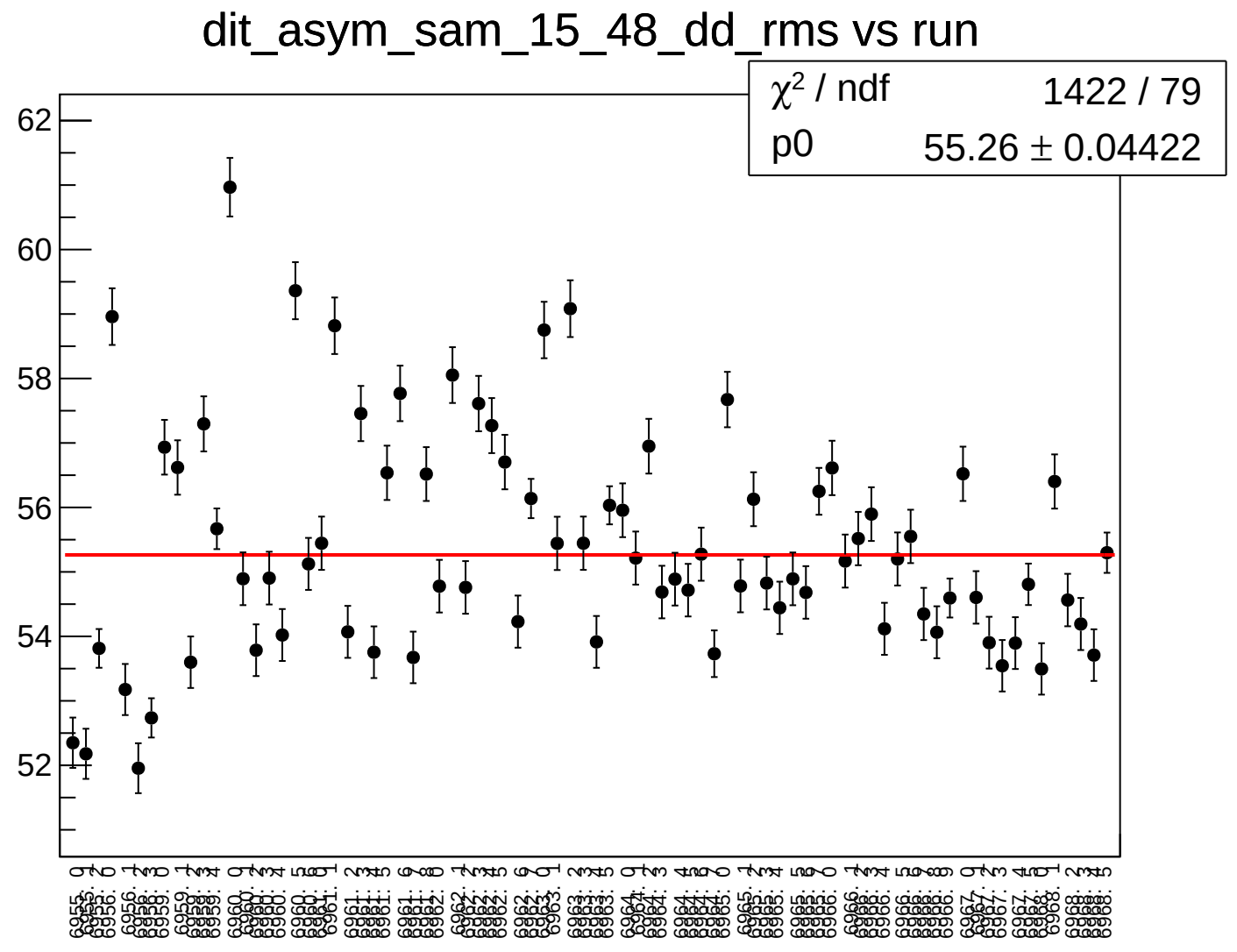

asym_sam_3726_avg_mean vs run
χ^2 / ndf 91.68 / 79
p0 179.2 ± 871.3
pull
Entries 80
Mean −17.65
Std Dev 53.12

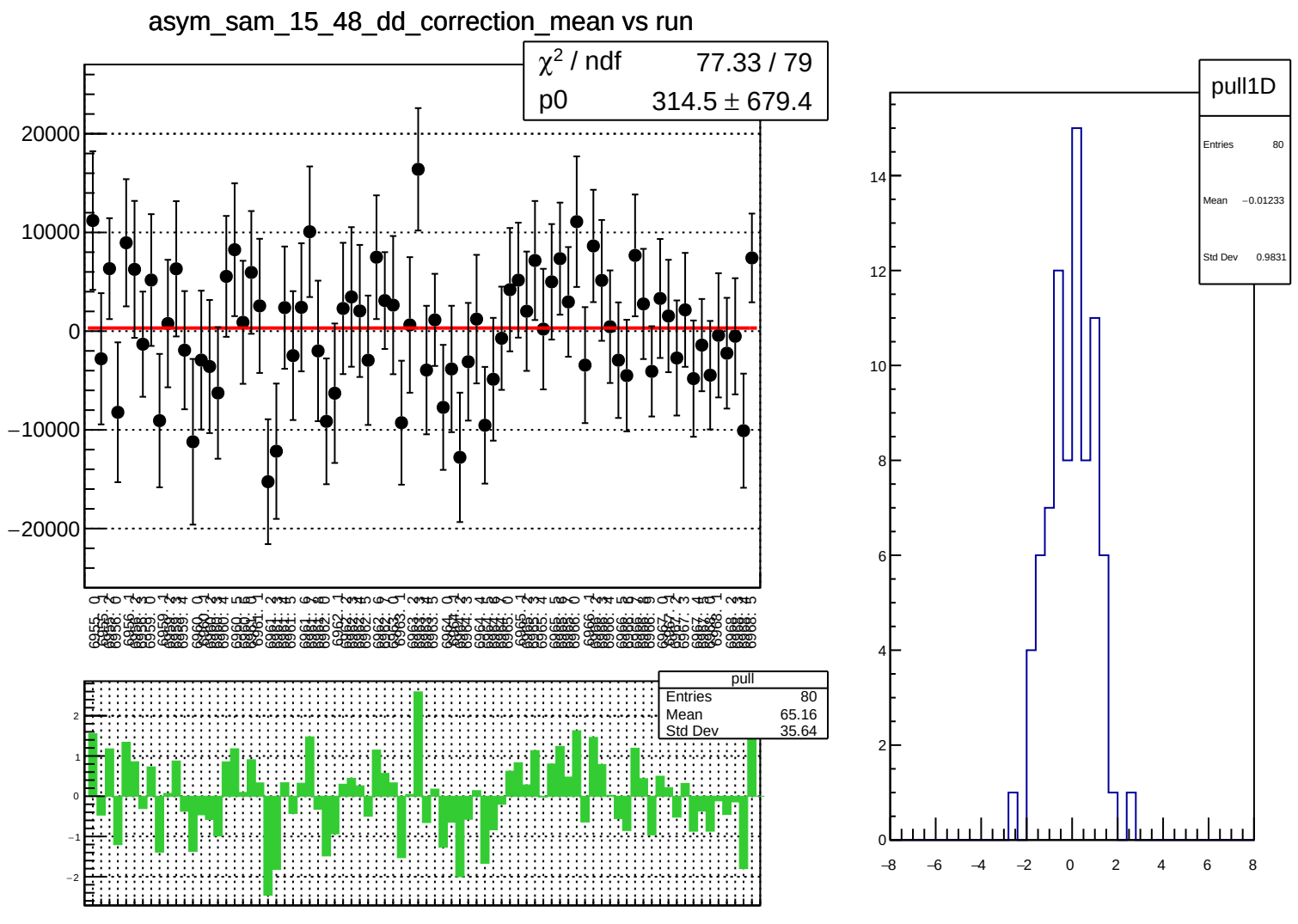

pull1D
Entries 80
Mean −0.02313
Std Dev 1.07

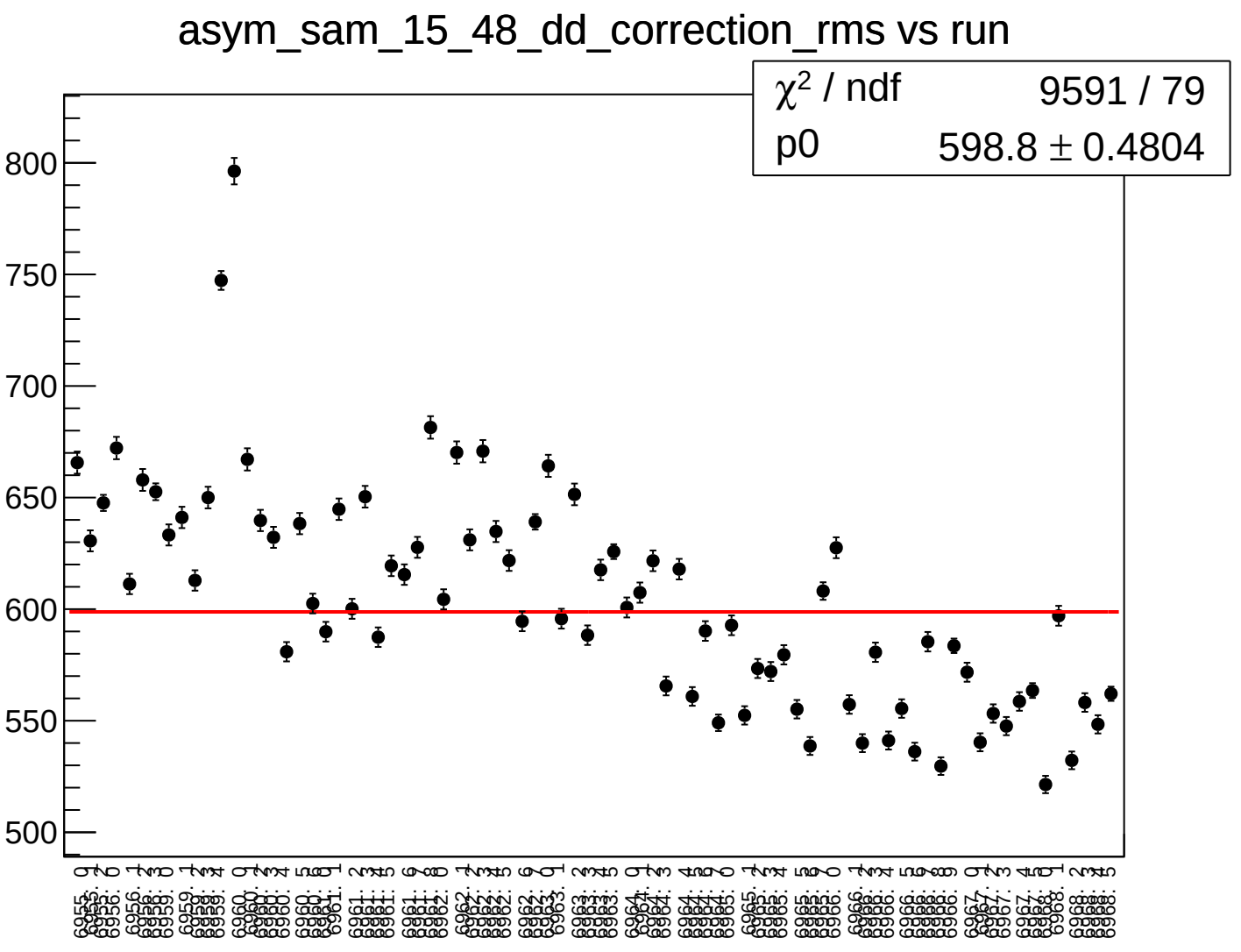

asym_sam_3726_avg_rms vs run
χ² / ndf 1.195e+04 / 79
p0 767.3 ± 0.6161
1100
1000
900
800
700

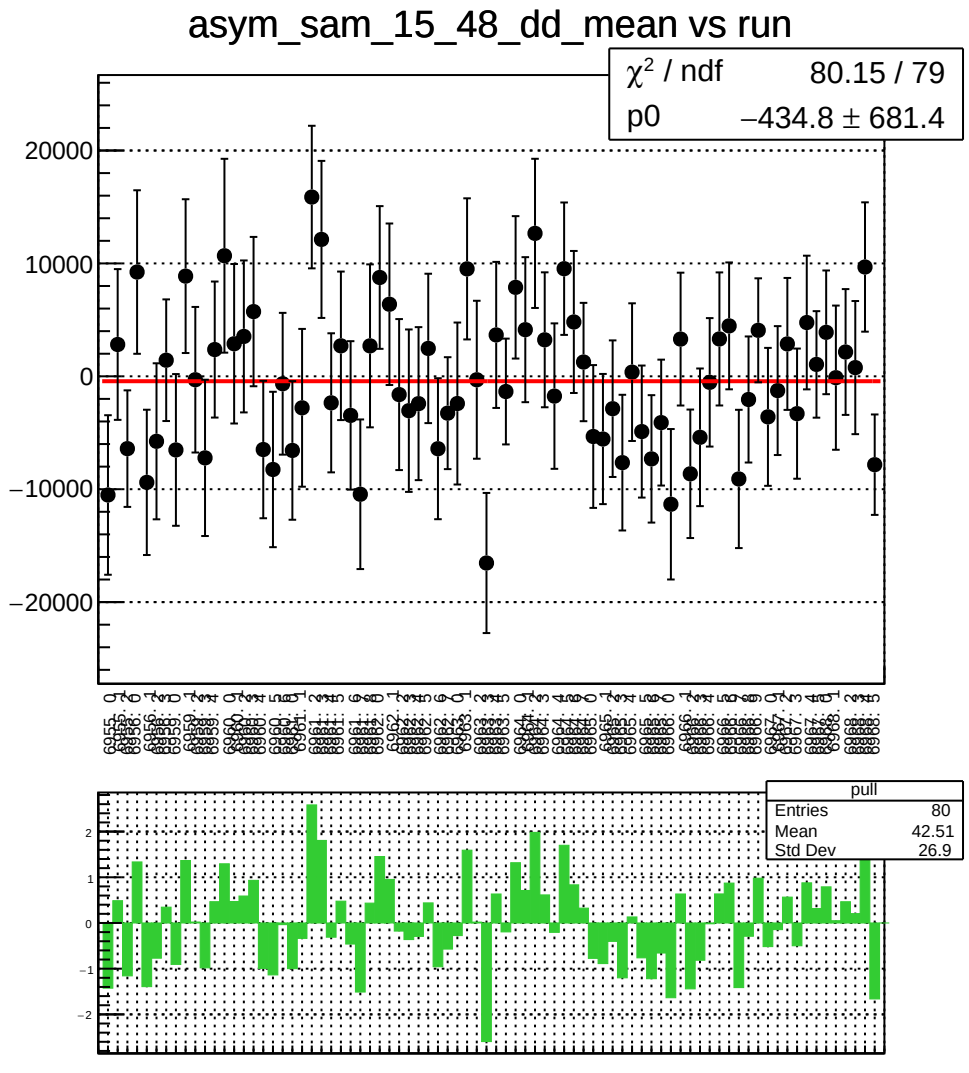

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 64.45 / 79
p0 −100.5 ± 62.54
pull
Entries 80
Mean 983.2
Std Dev 940.1

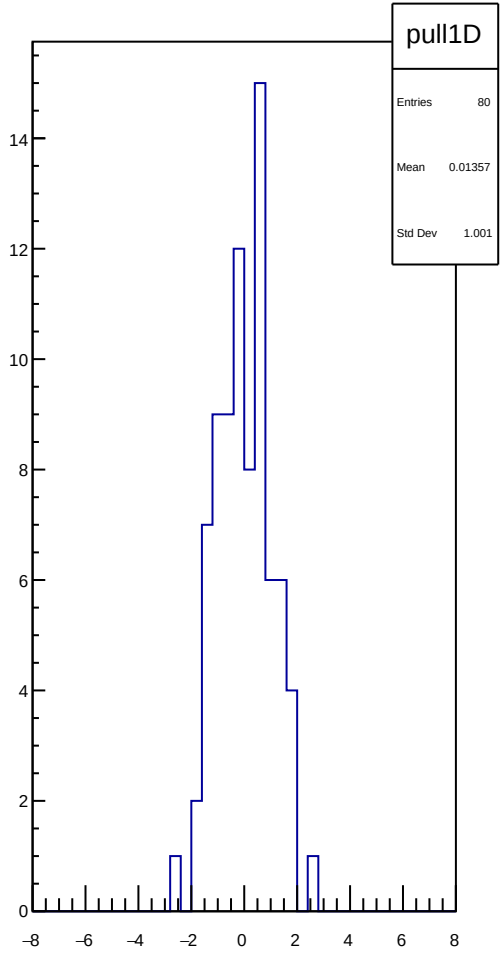

pull1D
Entries 80
Mean −0.003595
Std Dev 0.8976


dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1422 / 79
p0 55.26 ± 0.04422
62
60
58
56
54
52

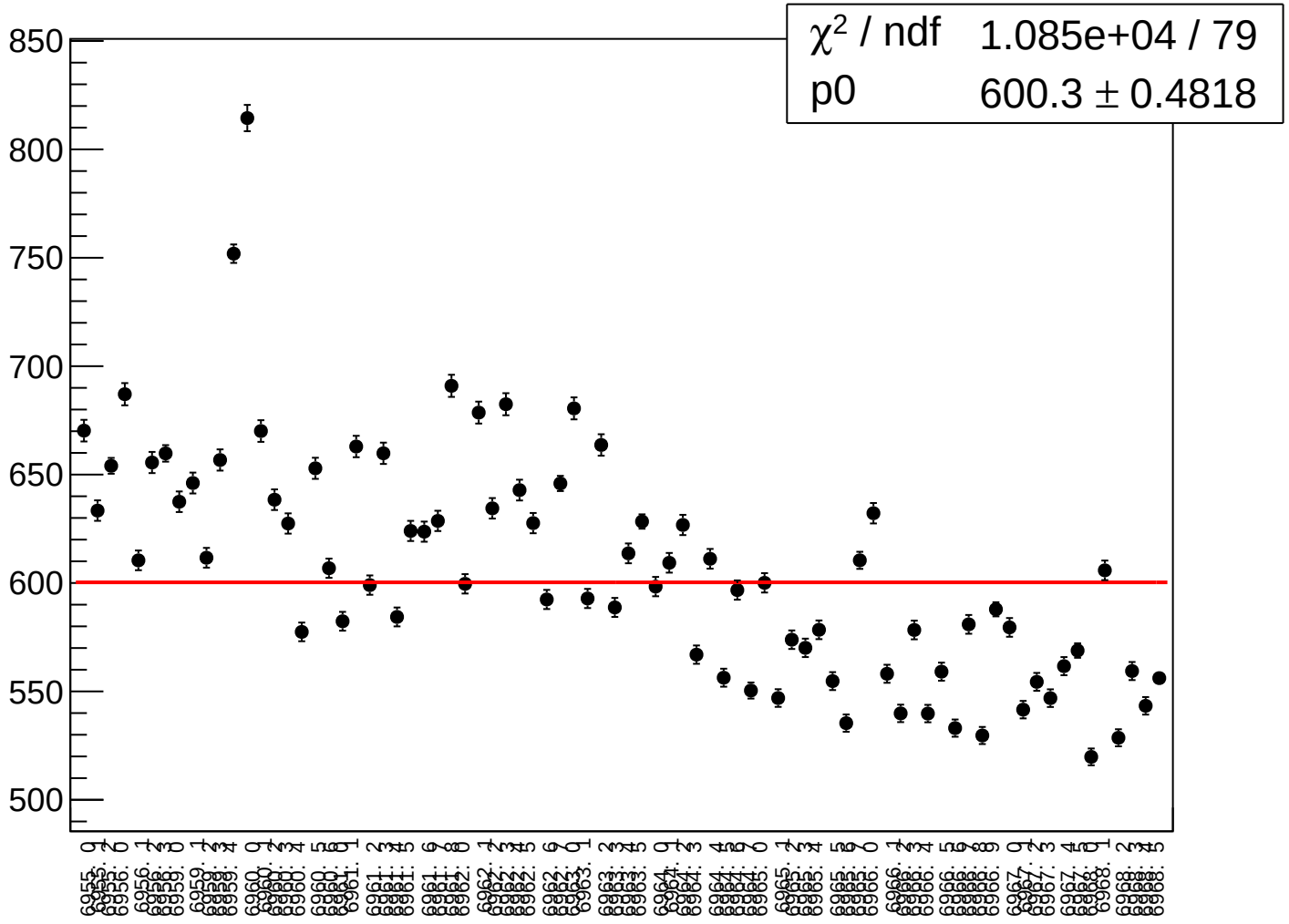

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 77.33 / 79
p0 314.5 ± 679.4
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 65.16
Std Dev 35.64
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01233
Std Dev 0.9831
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

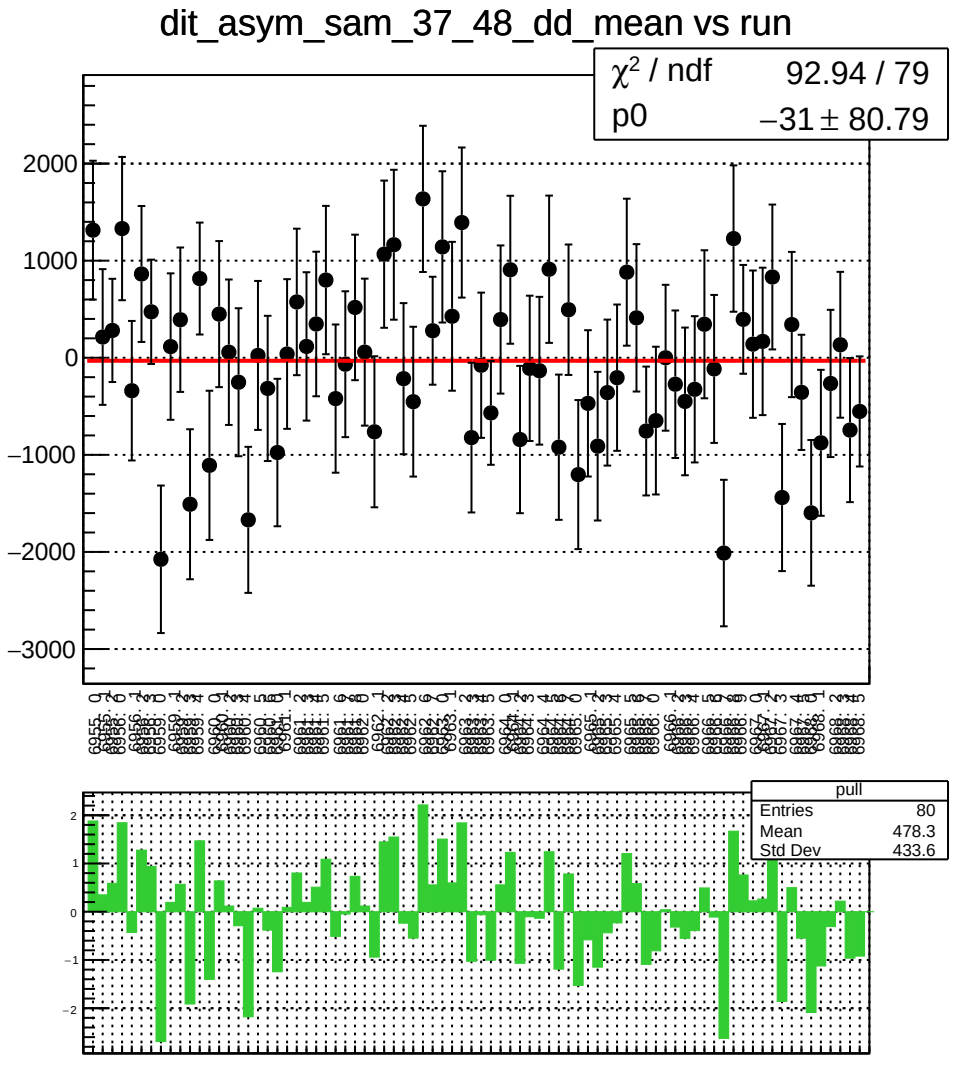

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 9591 / 79
p0 598.8 ± 0.4804
800
750
700
650
600
550
500

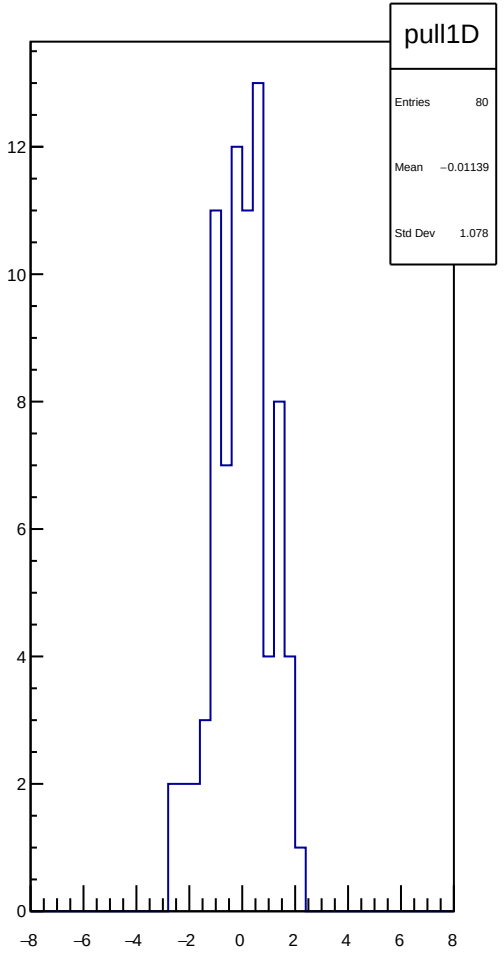

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.15 / 79
p0 −434.8 ± 681.4
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 42.51
Std Dev 26.9
2
1
0
−1
−2

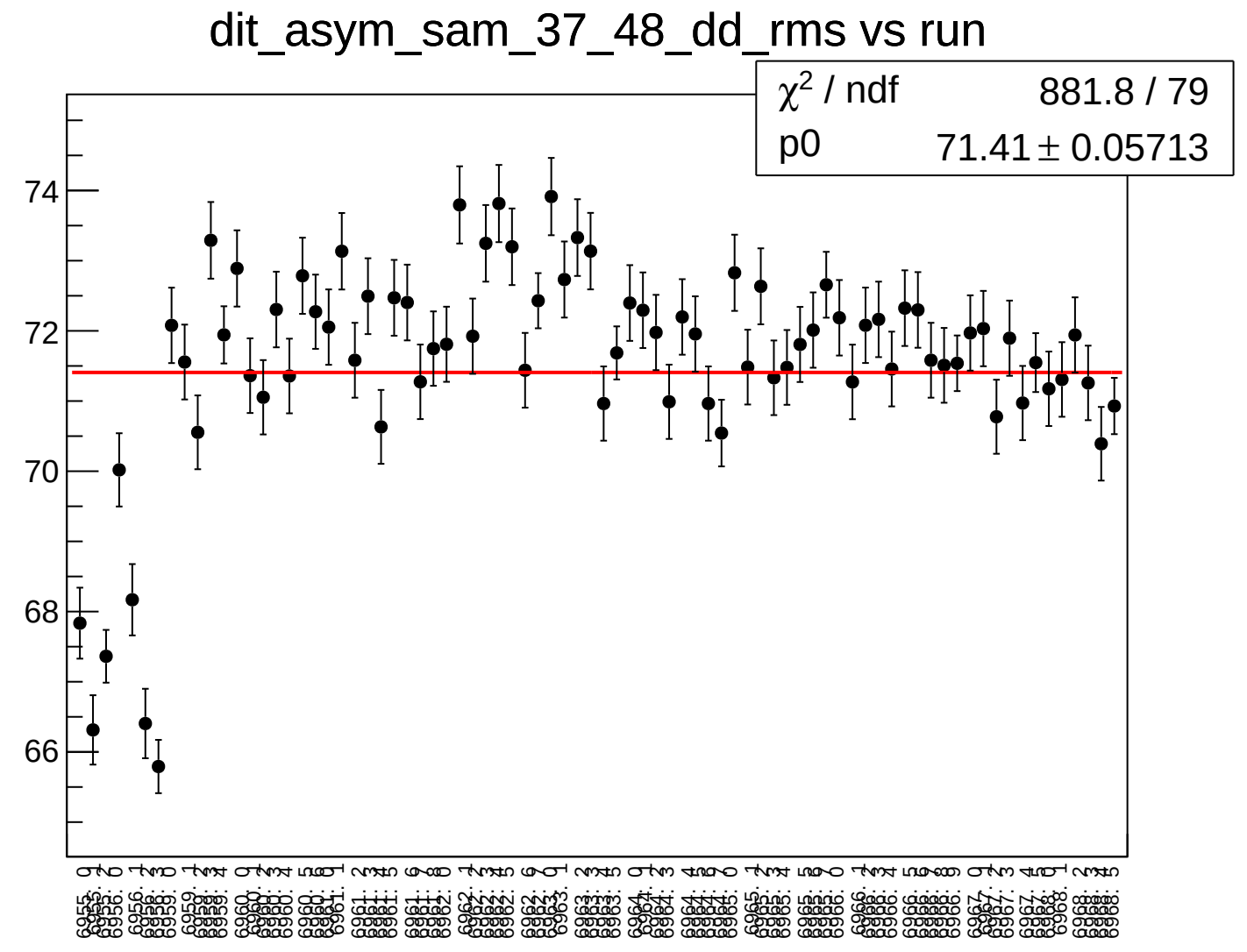

pull1D
Entries 80
Mean 0.01357
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

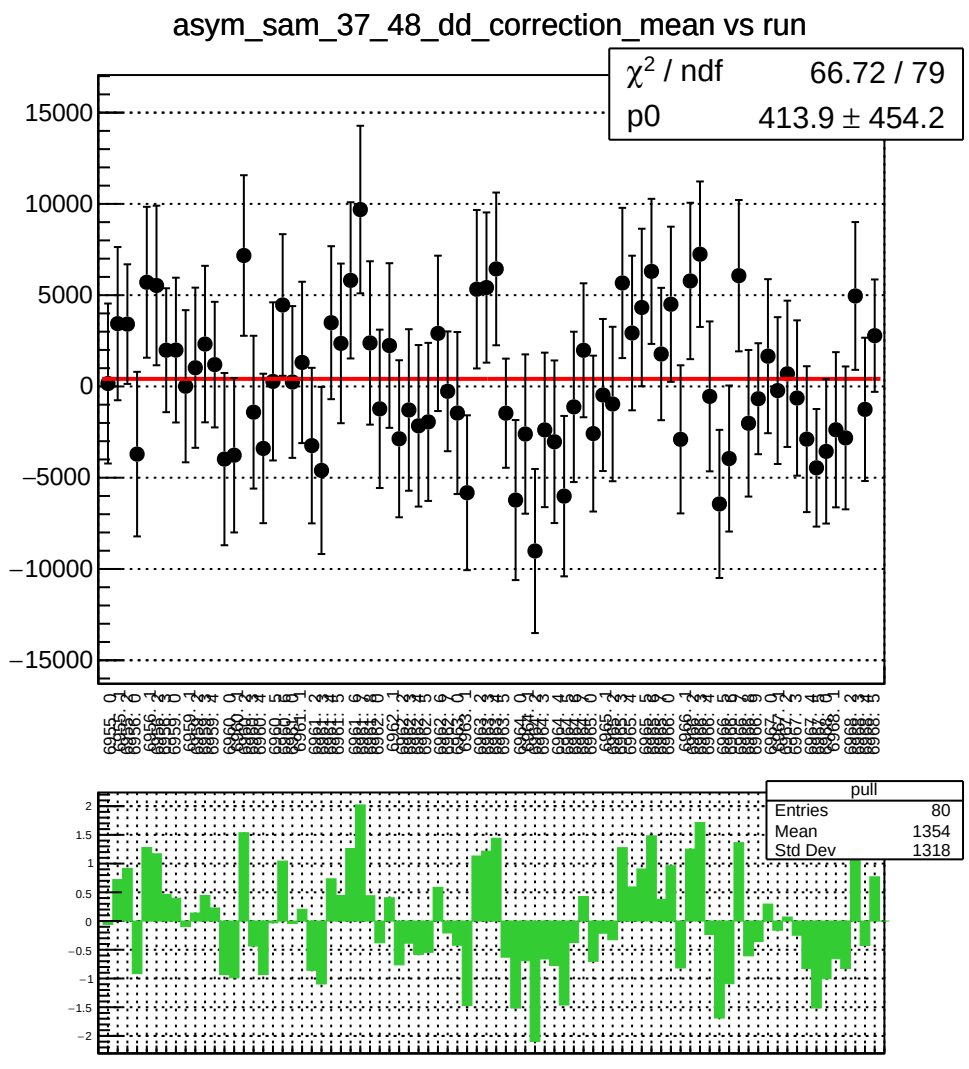
asym_sam_15_48_dd_rms vs run

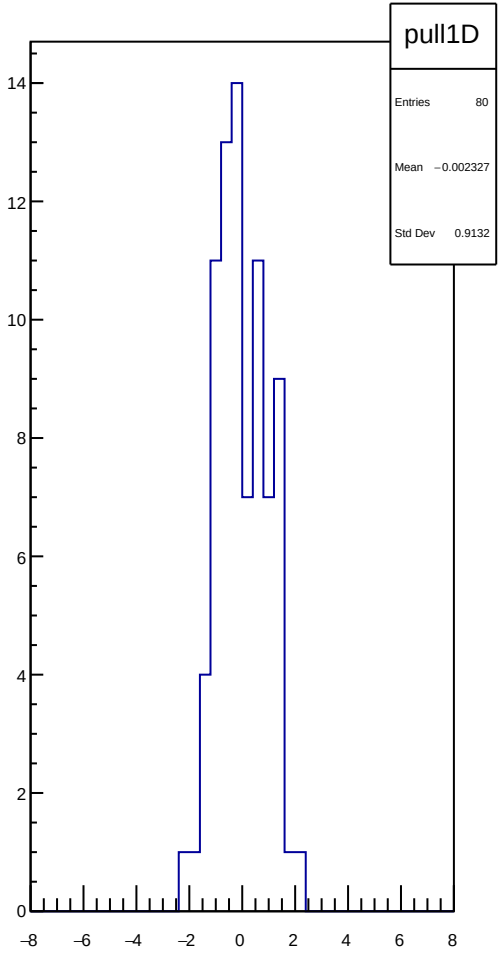


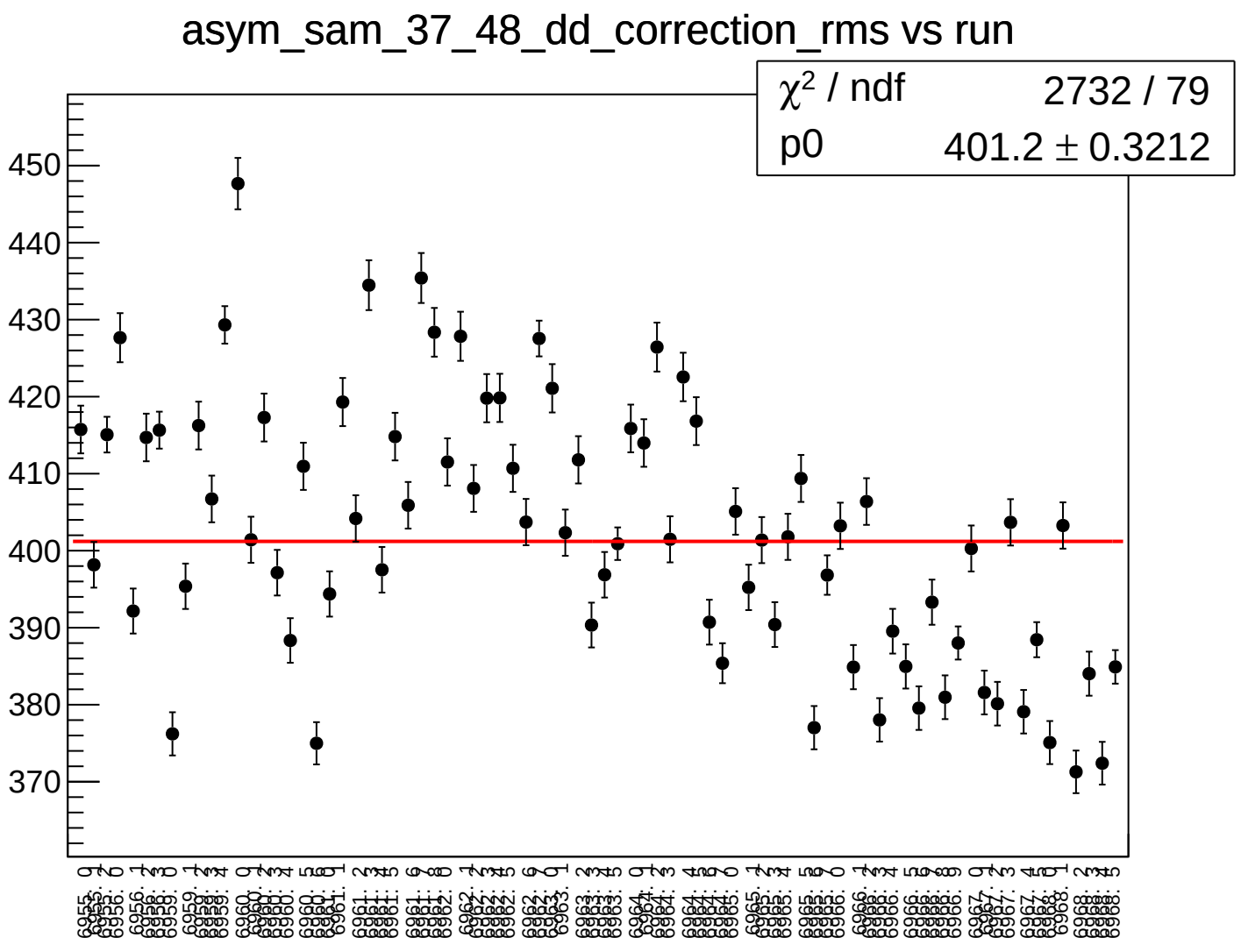

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 92.94 / 79
p0 −31 ± 80.79
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 478.3
Std Dev 433.6
2
1
0
−1
−2

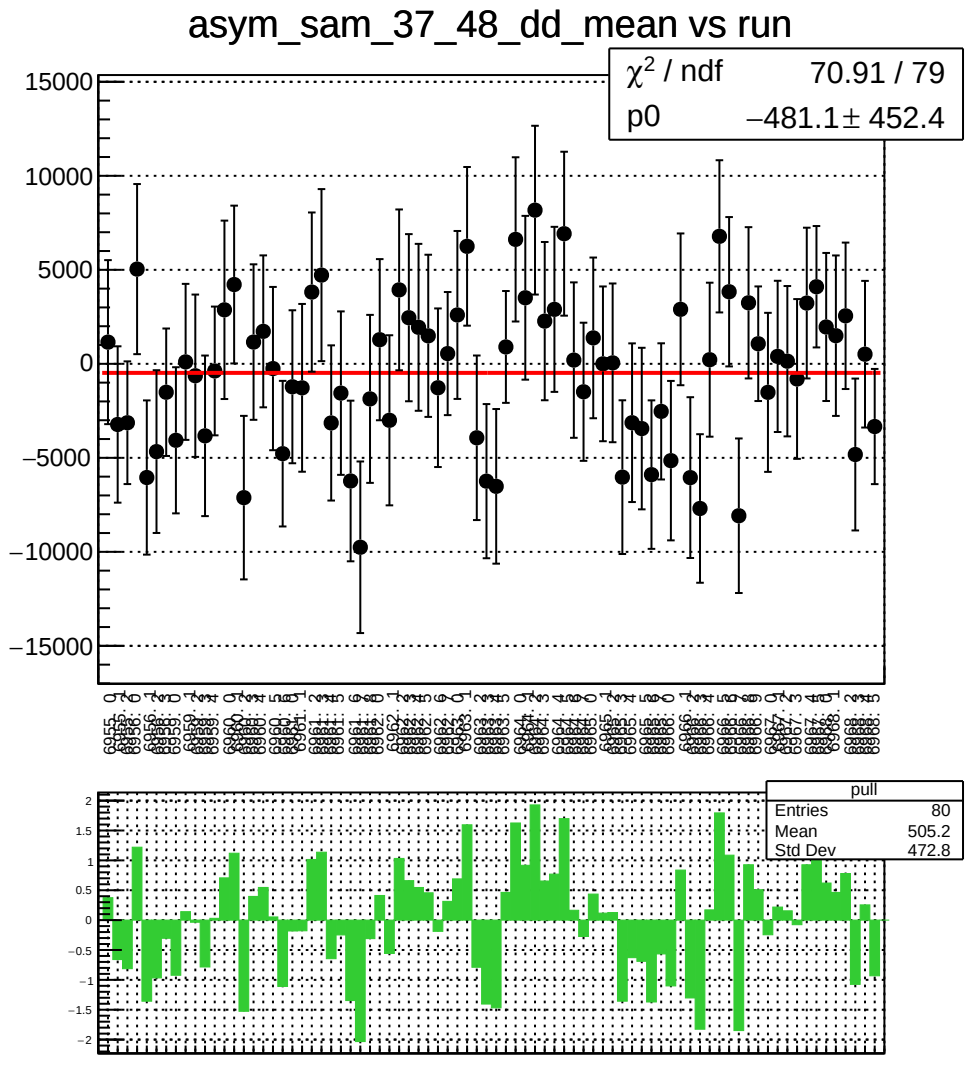

pull1D
Entries 80
Mean −0.01139
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

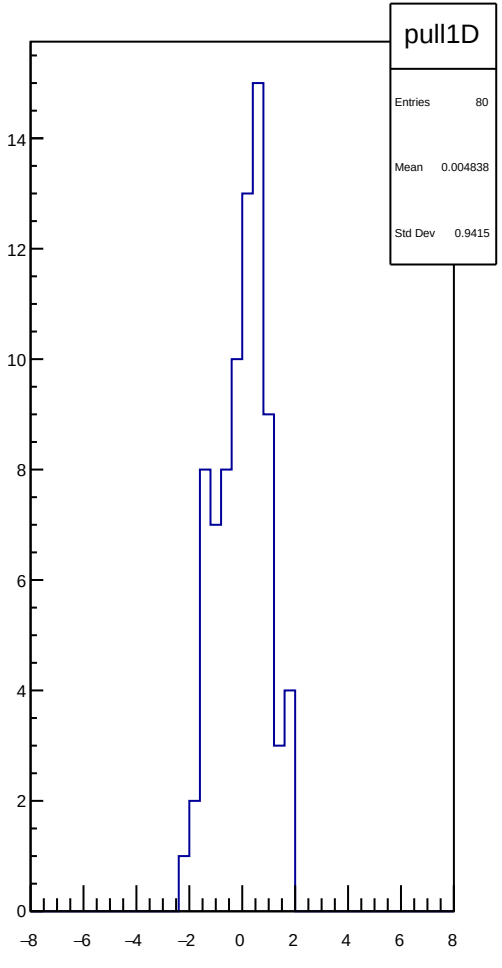

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 881.8 / 79
p0 71.41 ± 0.05713
74
72
70
68
66

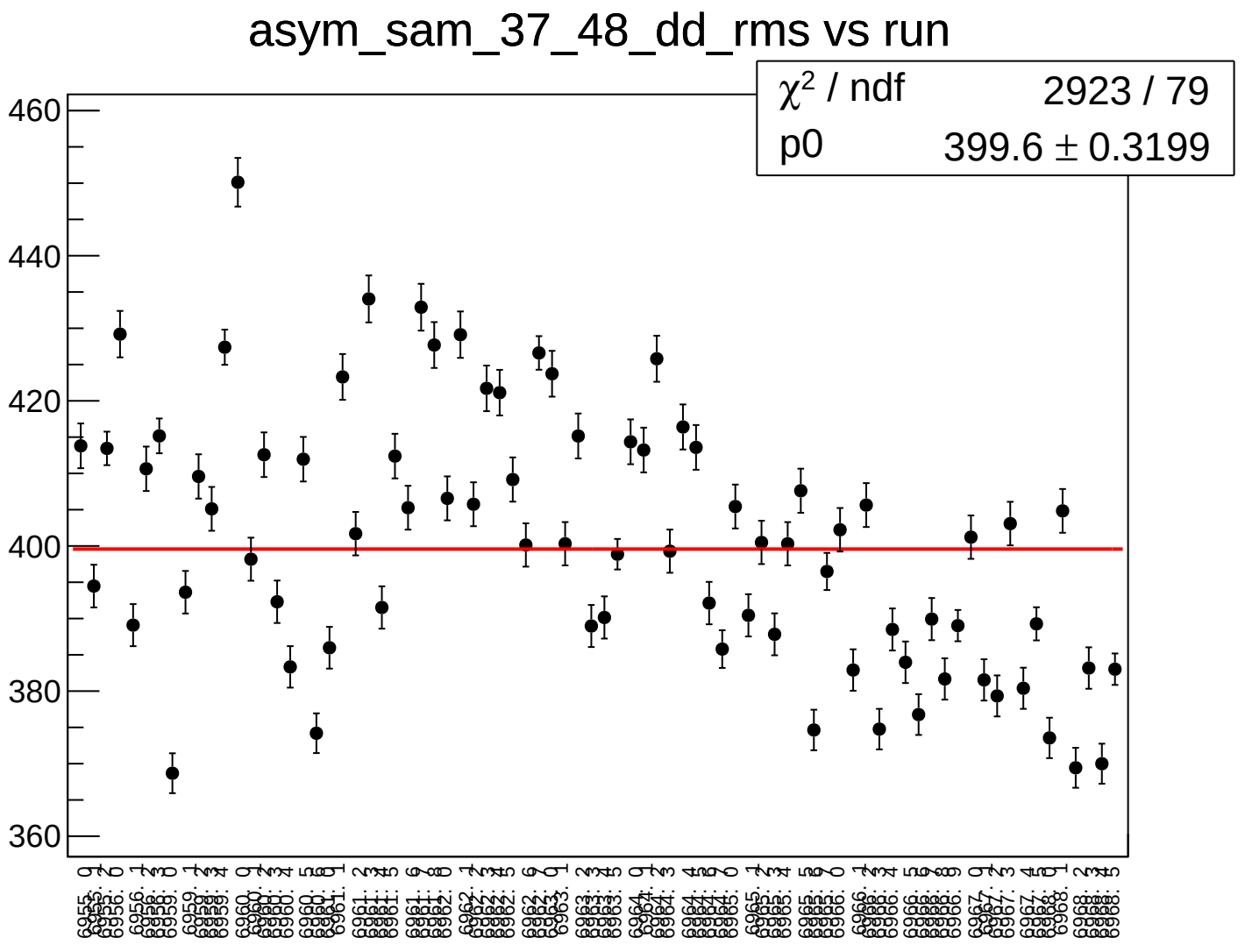

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 66.72 / 79
p0 413.9 ± 454.2
pull
Entries 80
Mean 1354
Std Dev 1318

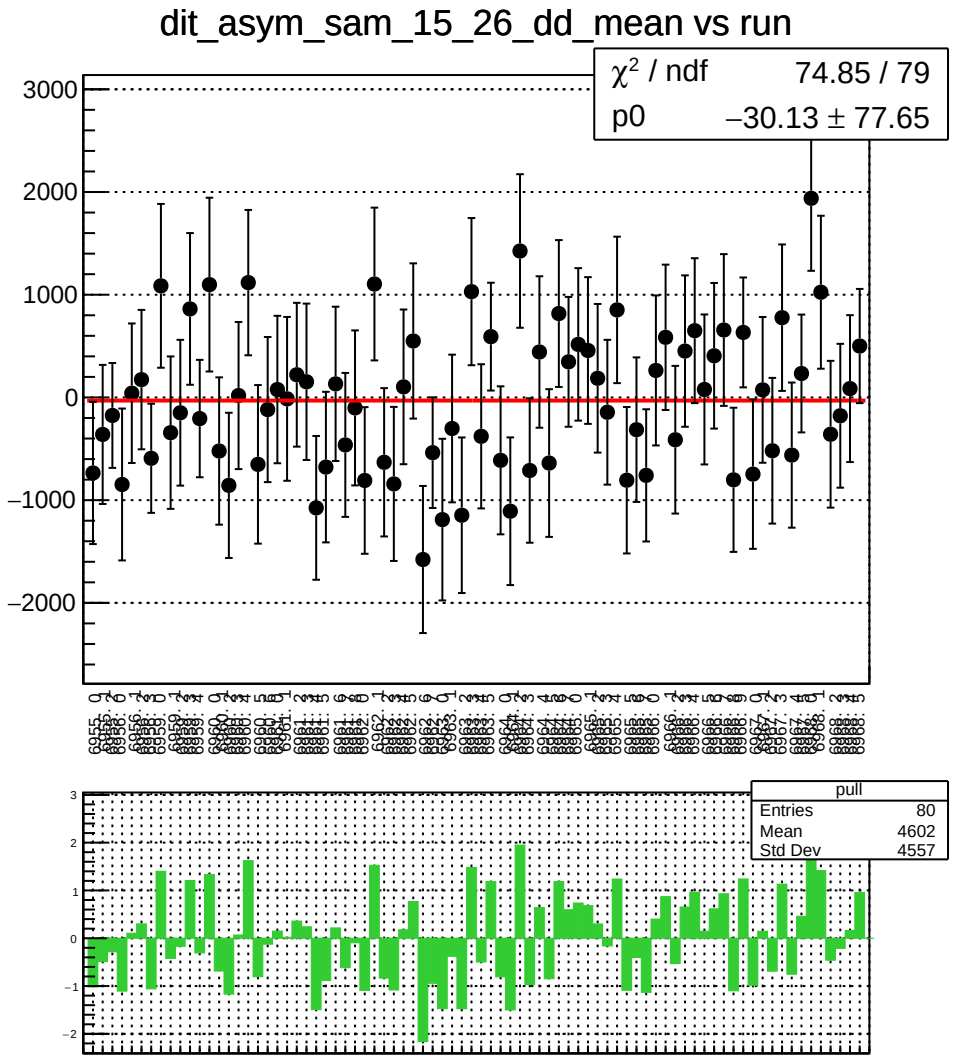

pull1D
Entries 80
Mean −0.002327
Std Dev 0.9132

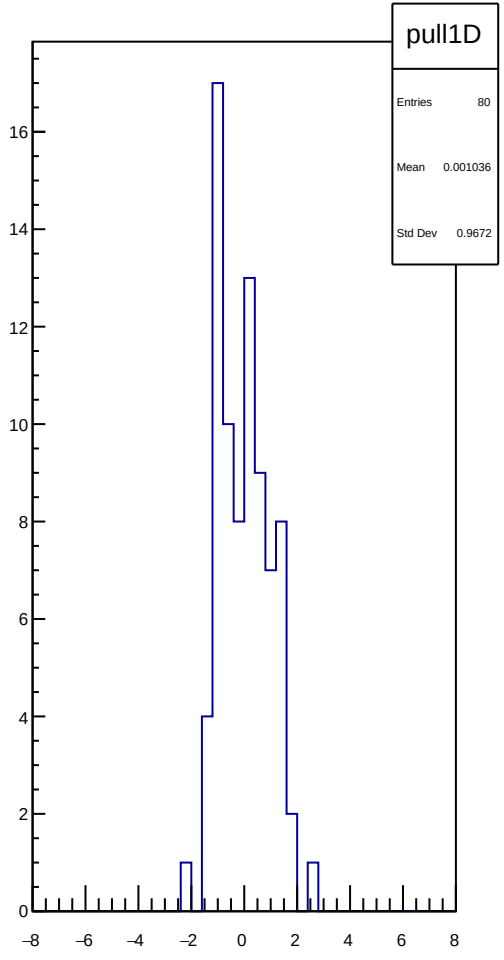

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2732 / 79
p0 401.2 ± 0.3212
450
440
430
420
410
400
390
380
370

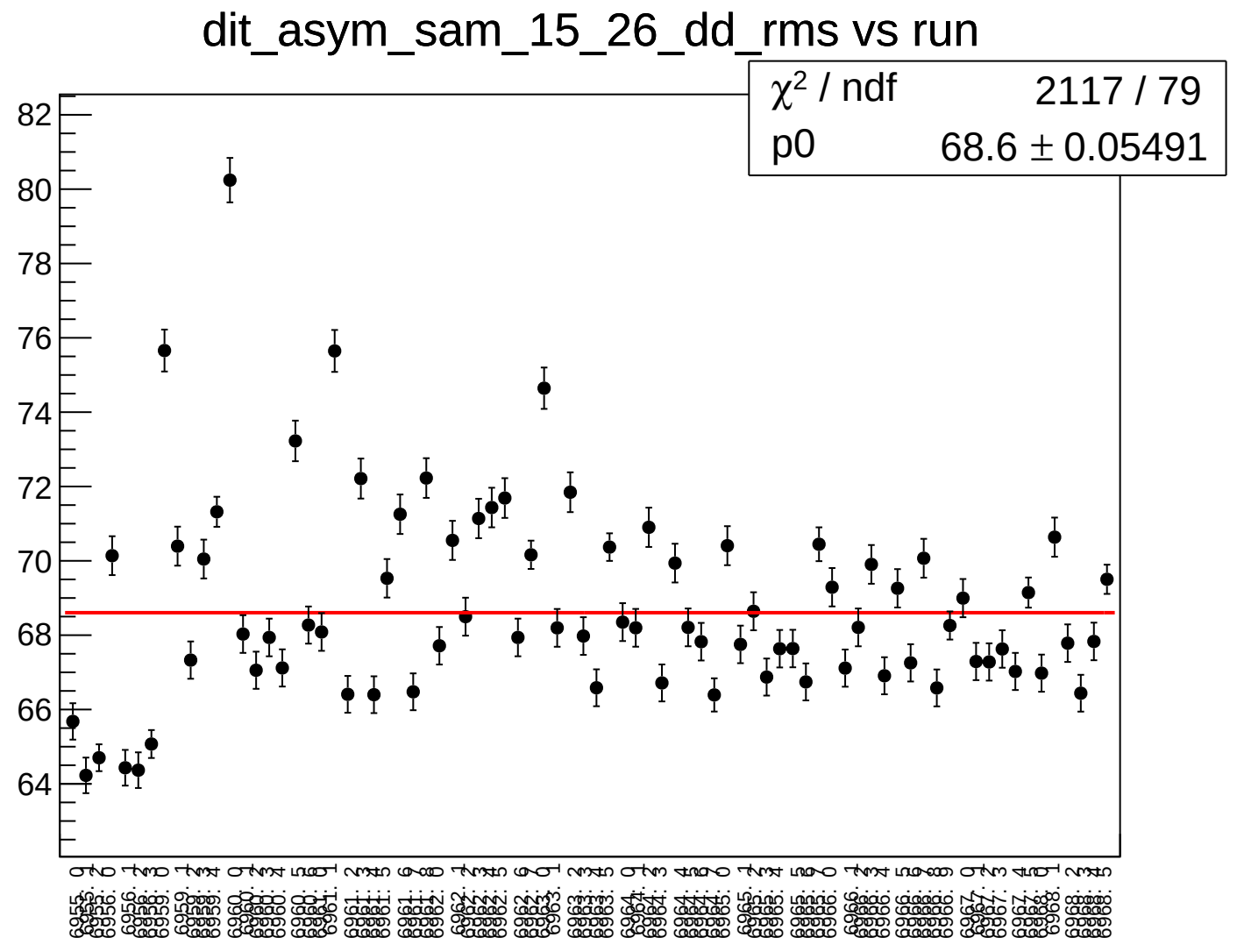

asym_sam_37_48_dd_mean vs run
χ² / ndf 70.91 / 79
p0 −481.1 ± 452.4
pull
Entries 80
Mean 505.2
Std Dev 472.8

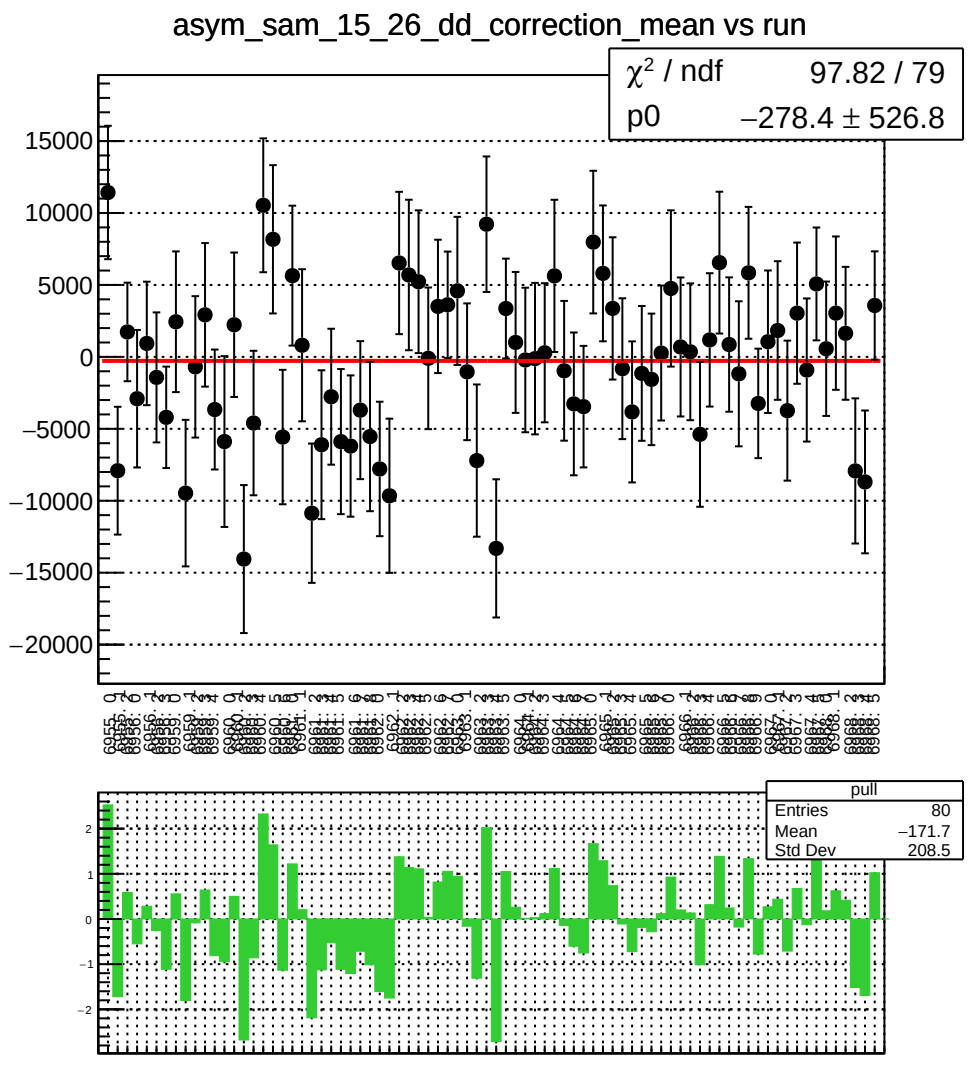

pull1D
Entries 80
Mean 0.004838
Std Dev 0.9415

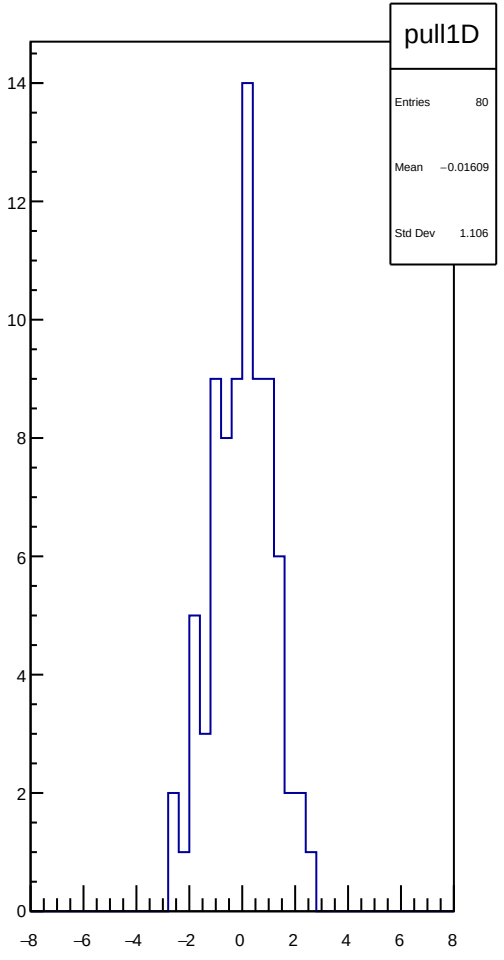

asym_sam_37_48_dd_rms vs run
χ² / ndf 2923 / 79
p0 399.6 ± 0.3199
460
440
420
400
380
360

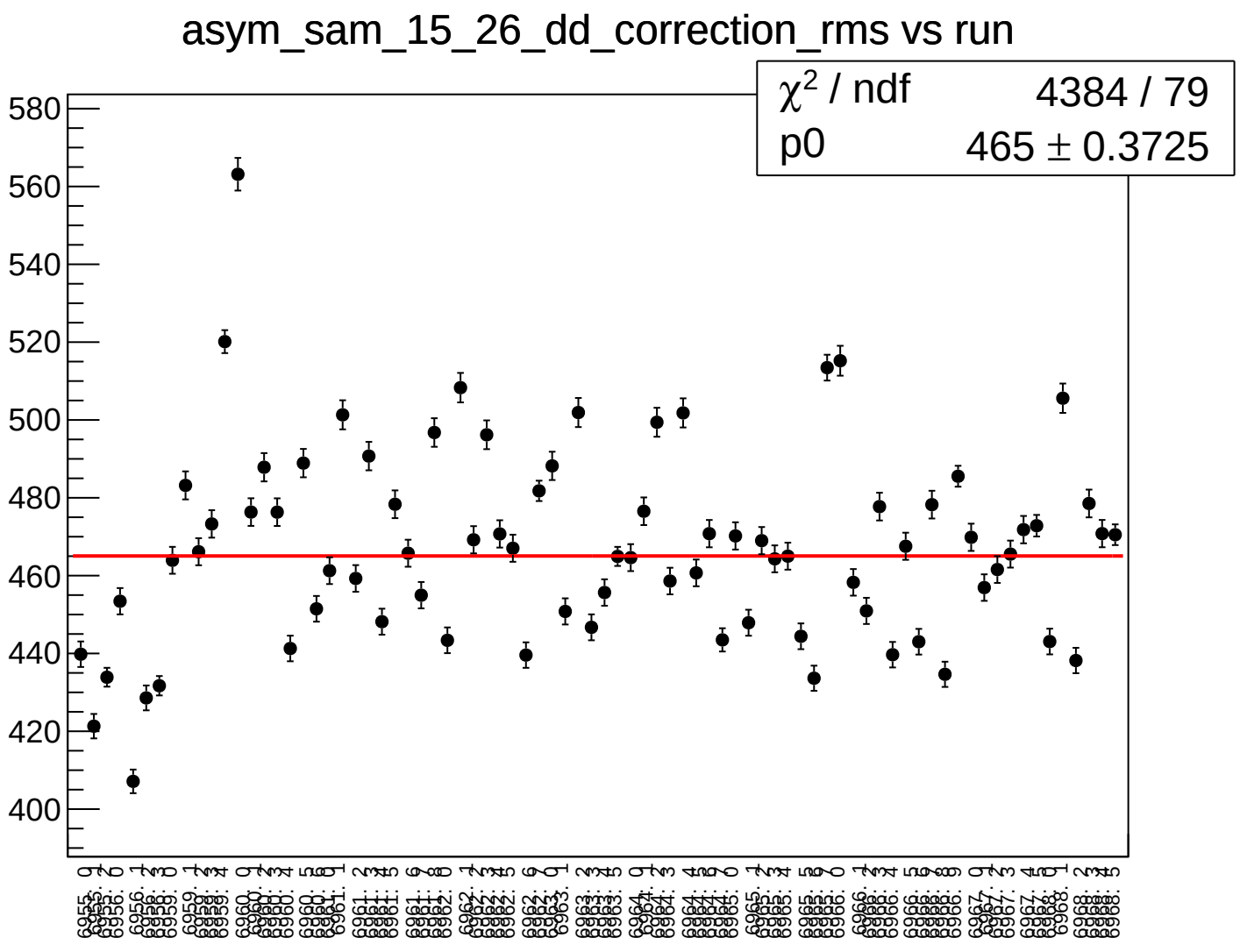

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 74.85 / 79
p0 −30.13 ± 77.65
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 4602
Std Dev 4557
3
2
1
0
−1
−2

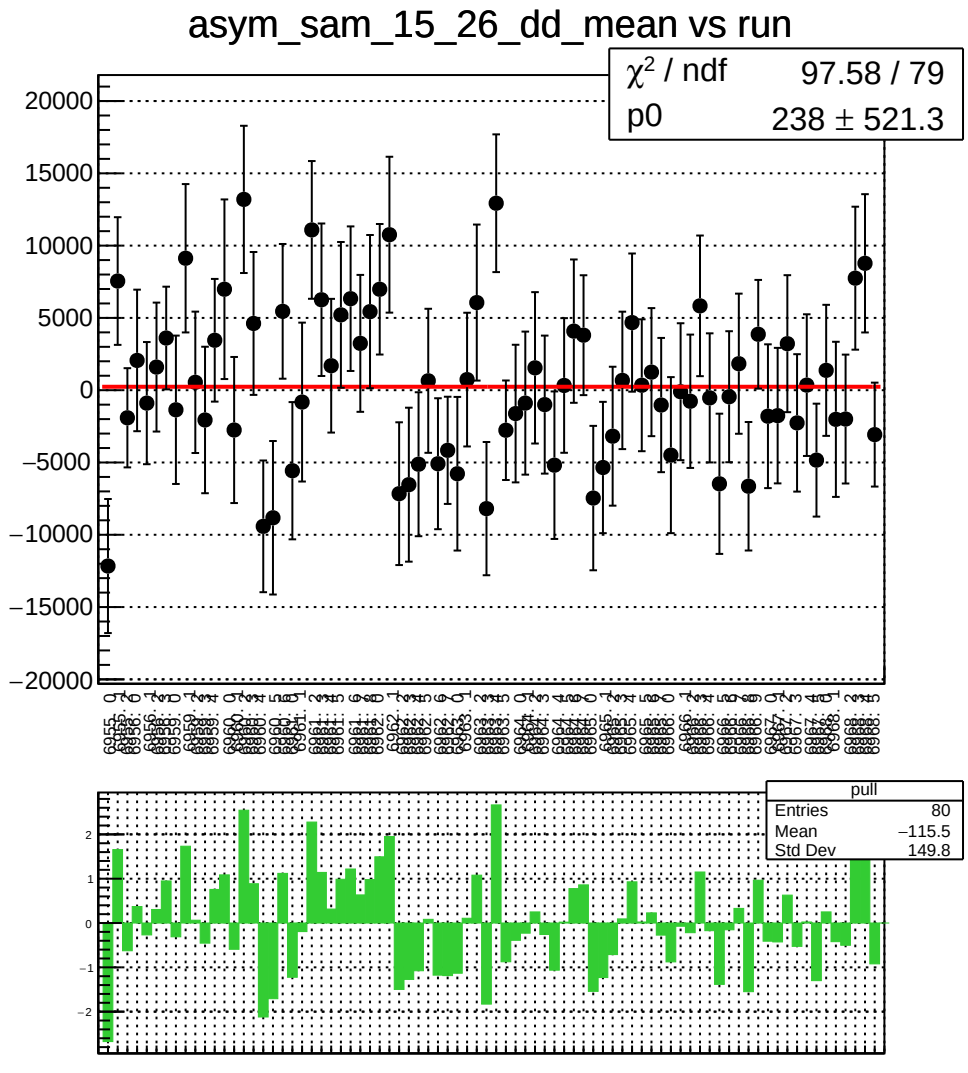

pull1D
Entries 80
Mean 0.001036
Std Dev 0.9672
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

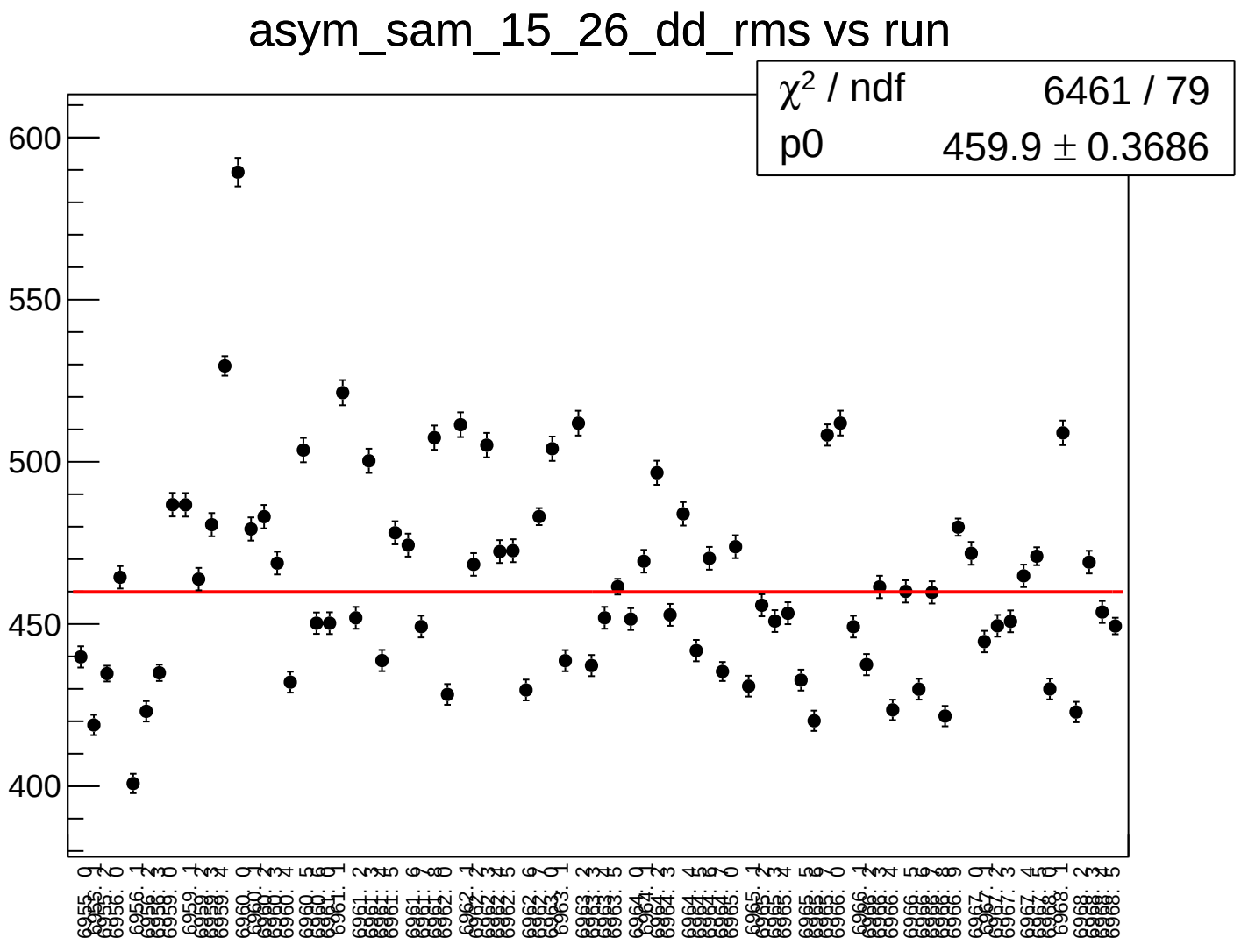

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2117 / 79
p0 68.6 ± 0.05491
82
80
78
76
74
72
70
68
66
64

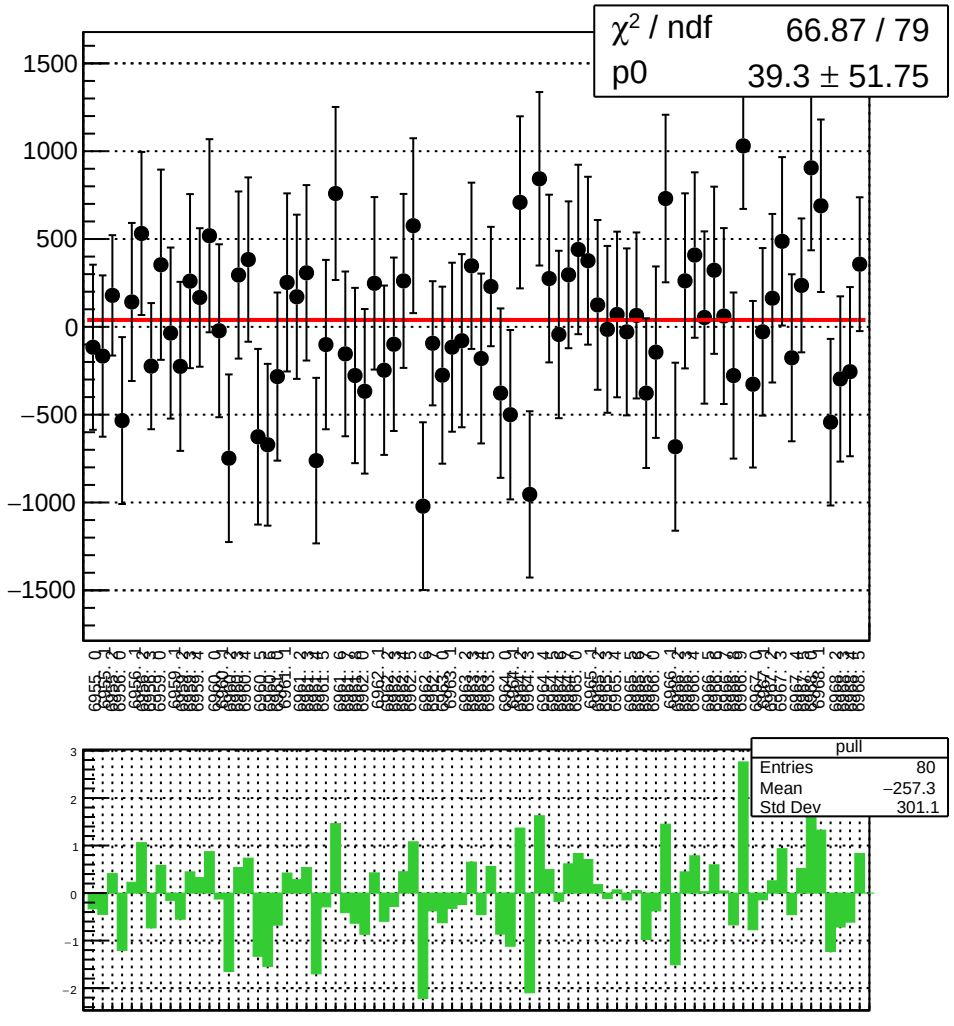

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 97.82 / 79
p0 −278.4 ± 526.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −171.7
Std Dev 208.5
2
1
0
−1
−2

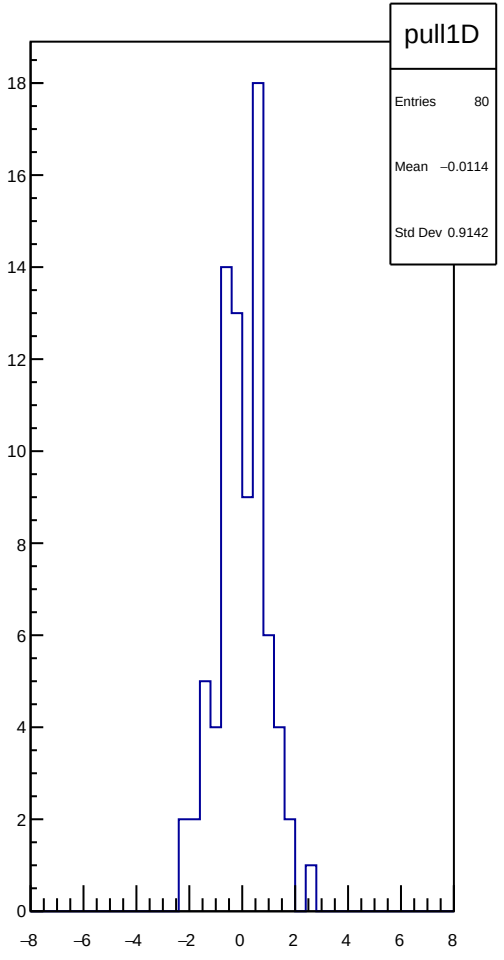

pull1D
Entries 80
Mean −0.01609
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

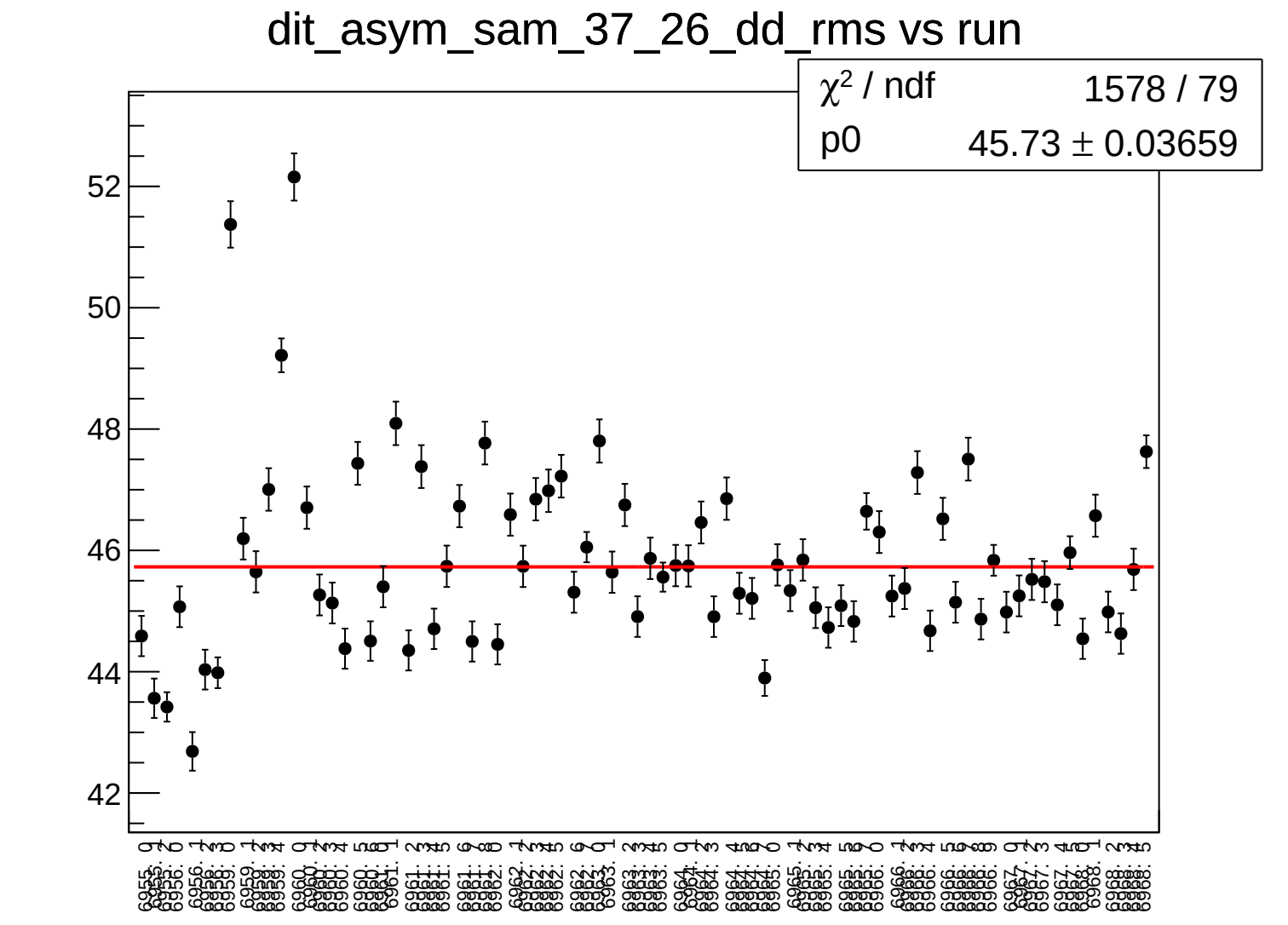

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4384 / 79
p0 465 ± 0.3725
580
560
540
520
500
480
460
440
420
400

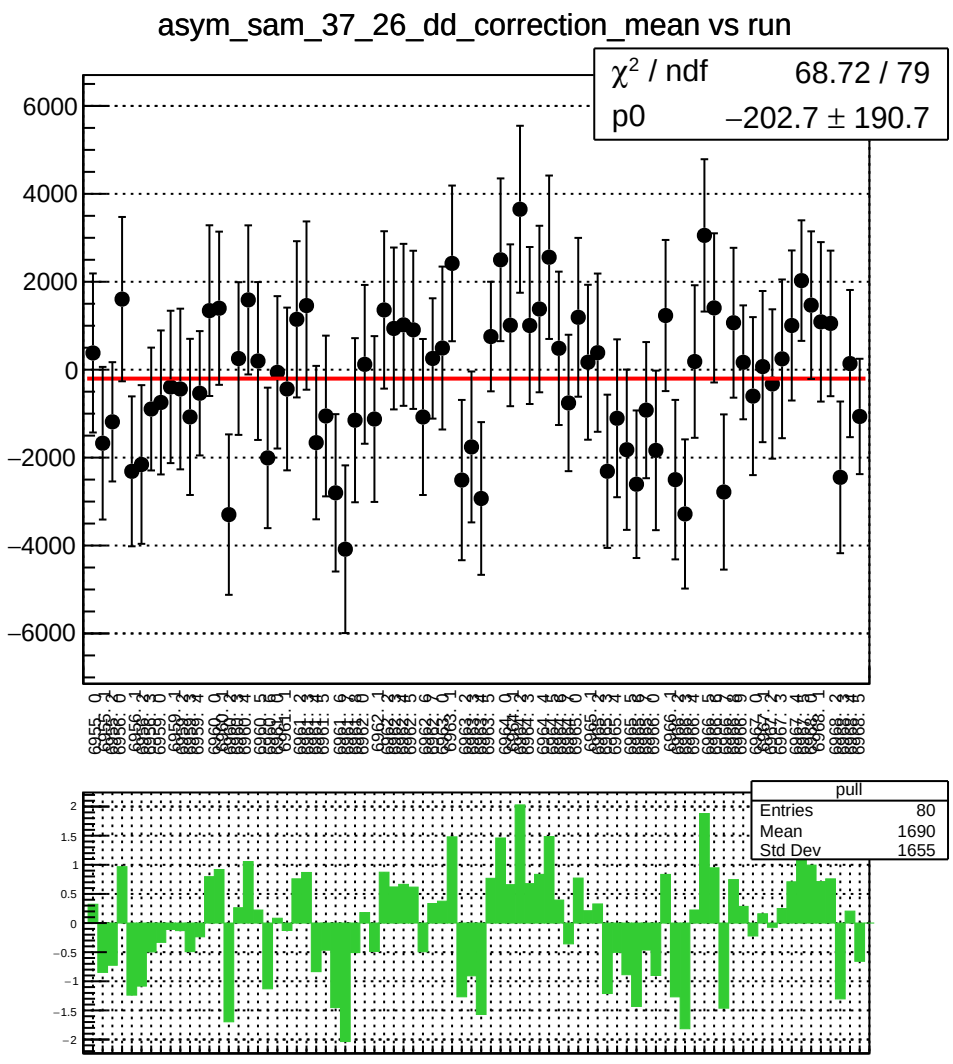

asym_sam_15_26_dd_mean vs run
χ² / ndf 97.58 / 79
p0 238 ± 521.3
pull
Entries 80
Mean −115.5
Std Dev 149.8
pull1D
Entries 80
Mean 0.01747
Std Dev 1.104

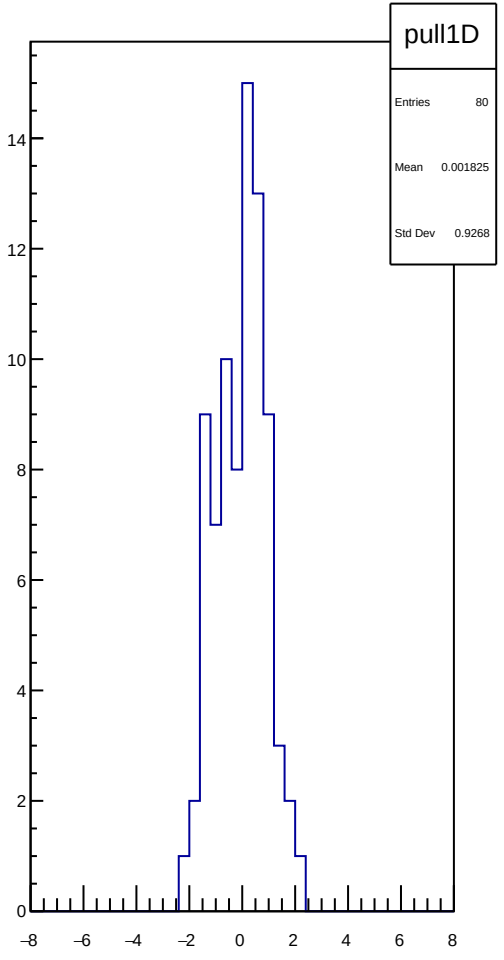

asym_sam_15_26_dd_rms vs run
χ² / ndf 6461 / 79
p0 459.9 ± 0.3686
600
550
500
450
400

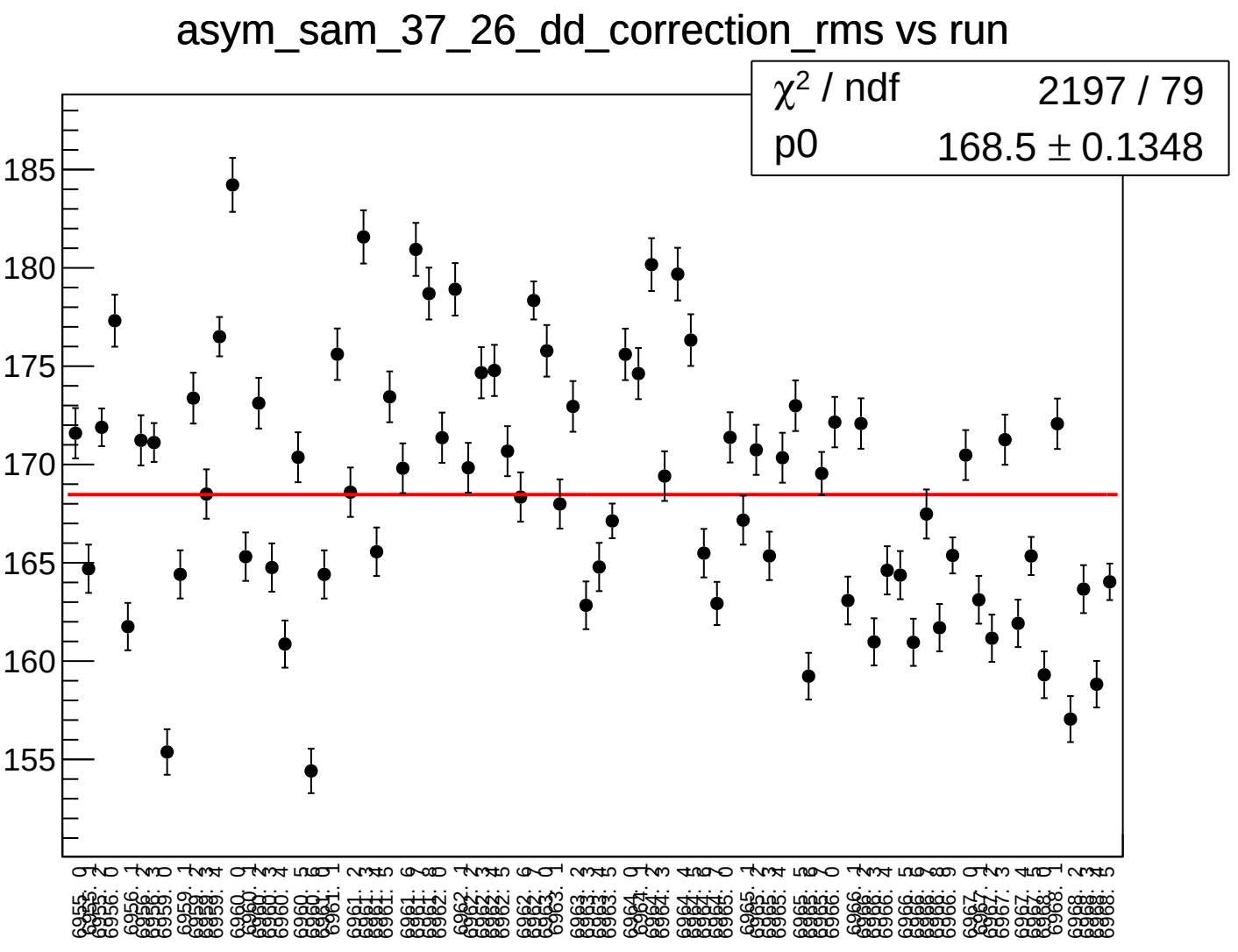

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 66.87 / 79
p0 39.3 ± 51.75
pull
Entries 80
Mean −257.3
Std Dev 301.1

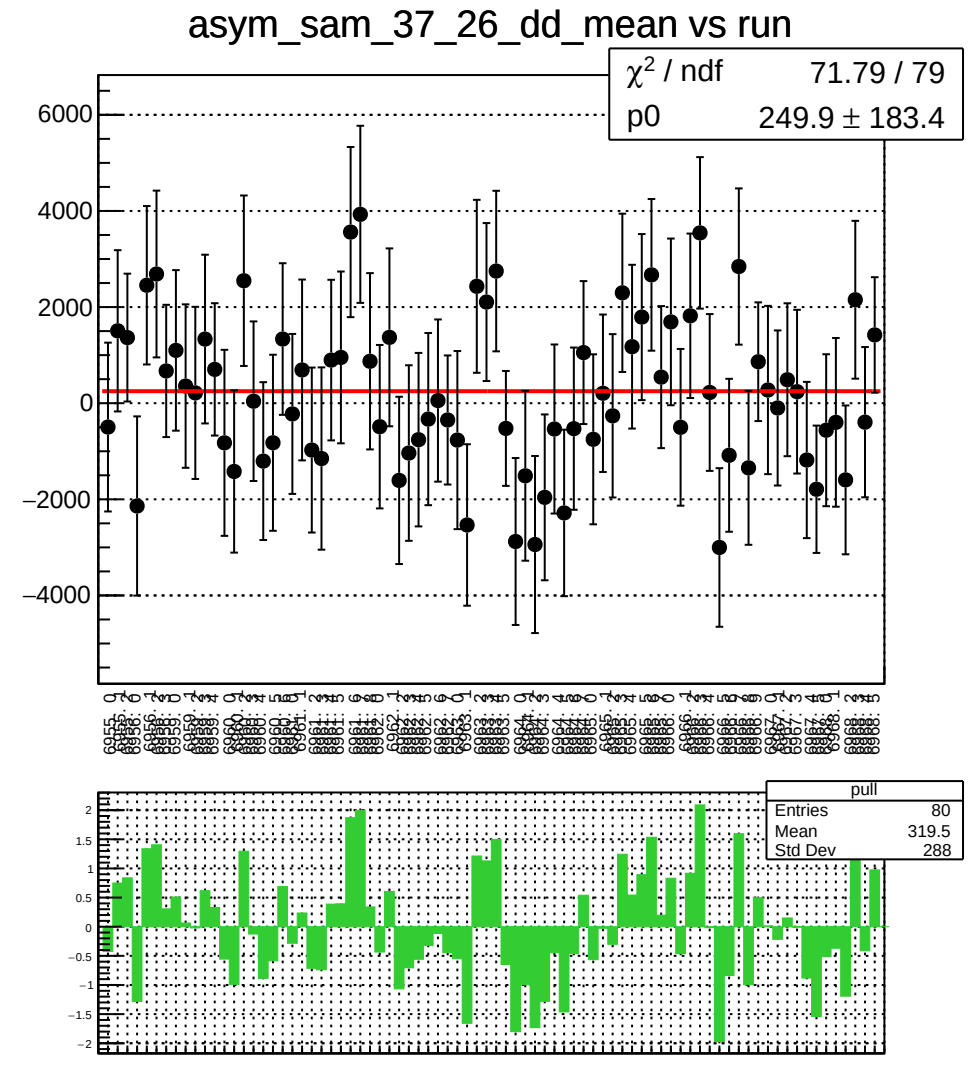

pull1D
Entries 80
Mean −0.0114
Std Dev 0.9142

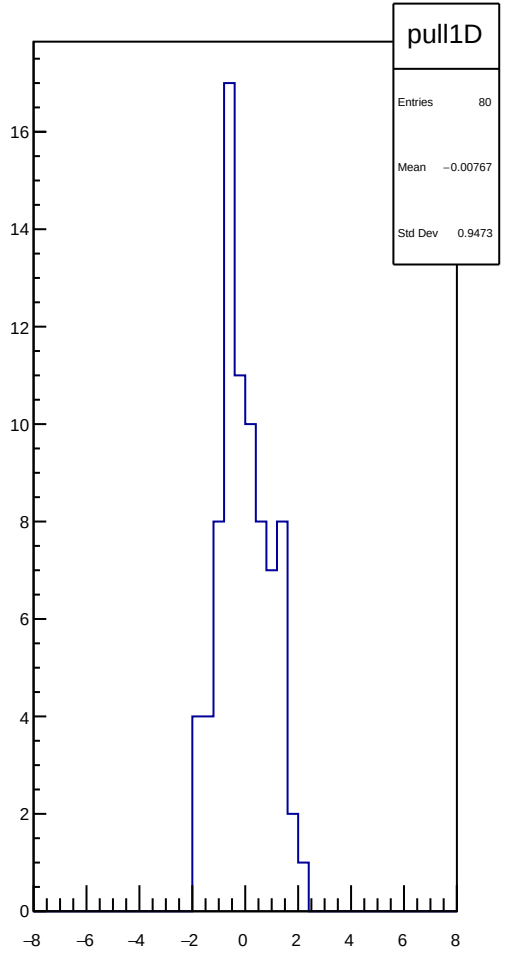

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1578 / 79
p0 45.73 ± 0.03659
52
50
48
46
44
42

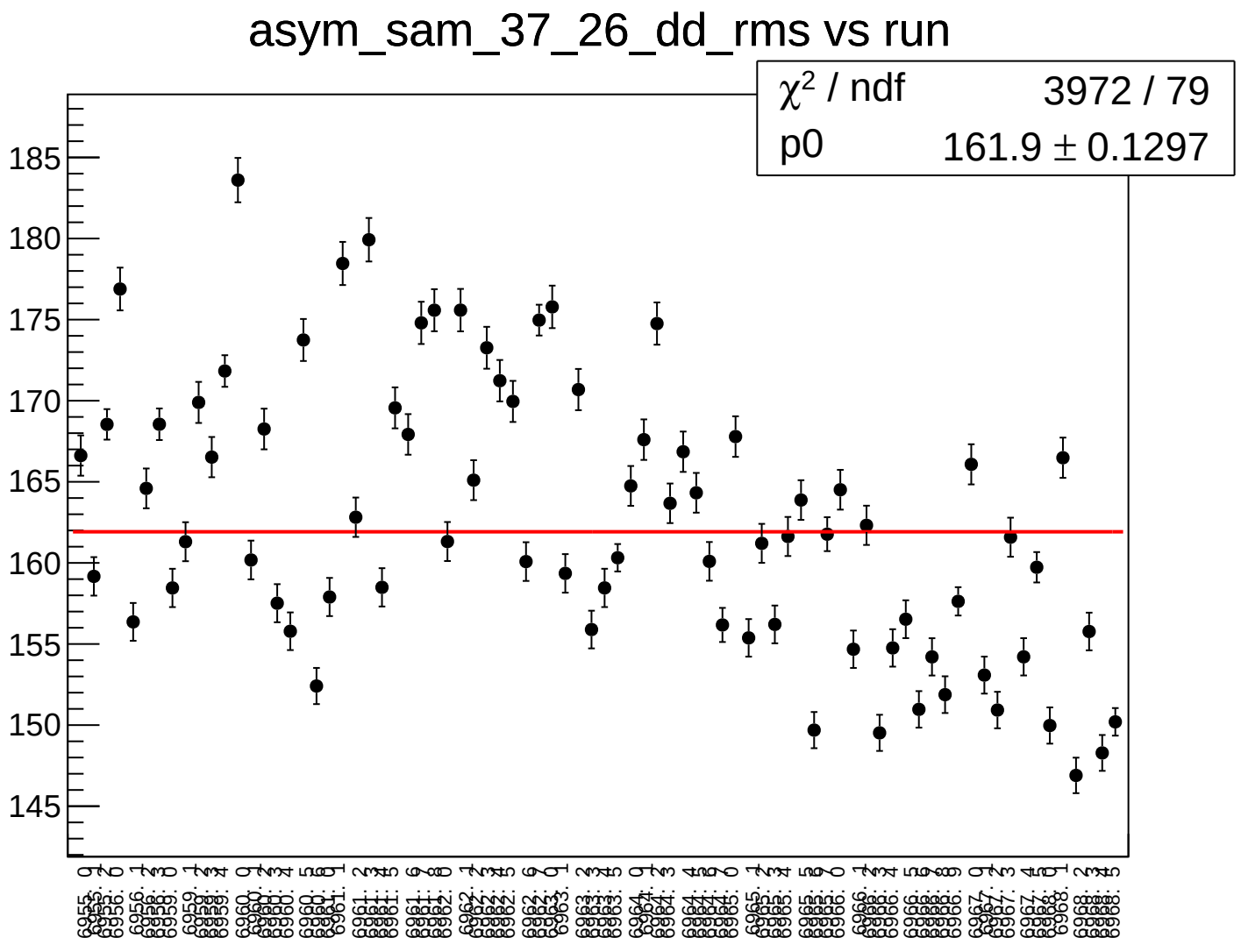

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 68.72 / 79
p0 −202.7 ± 190.7
pull
Entries 80
Mean 1690
Std Dev 1655

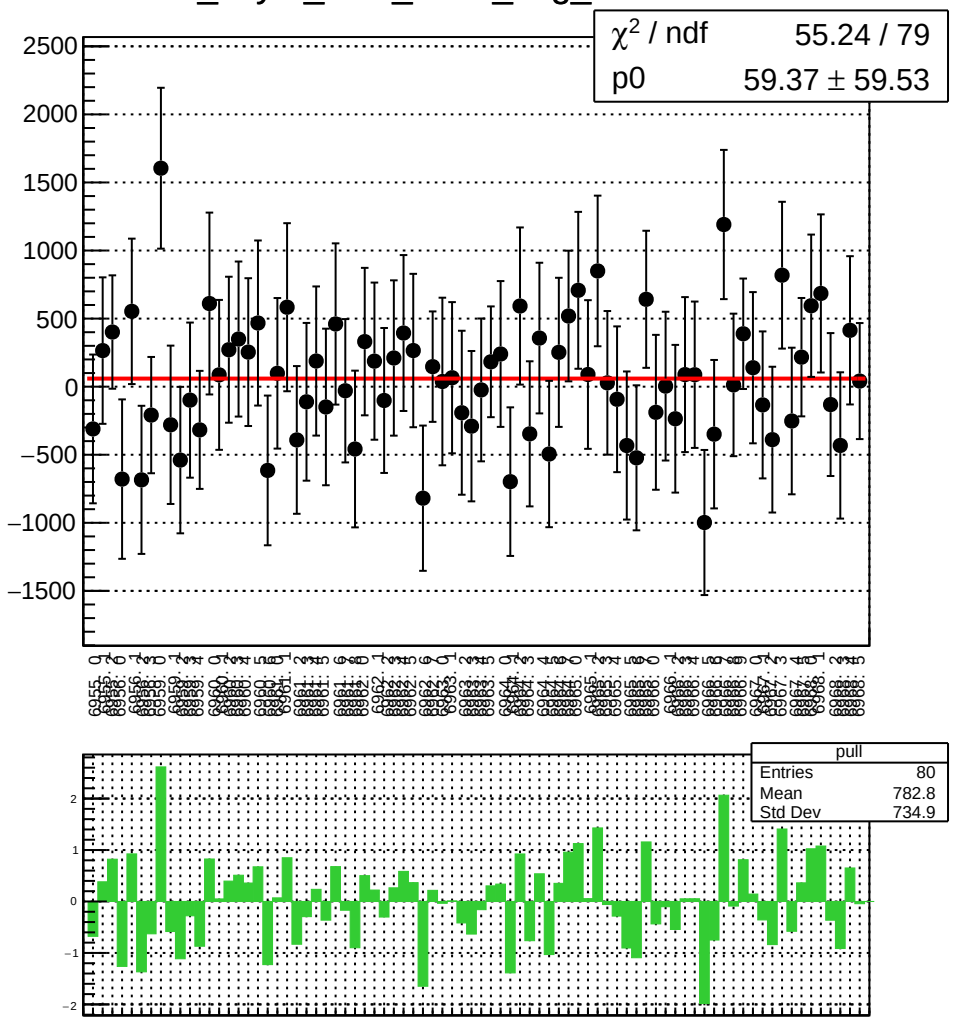

pull1D
Entries 80
Mean 0.001825
Std Dev 0.9268

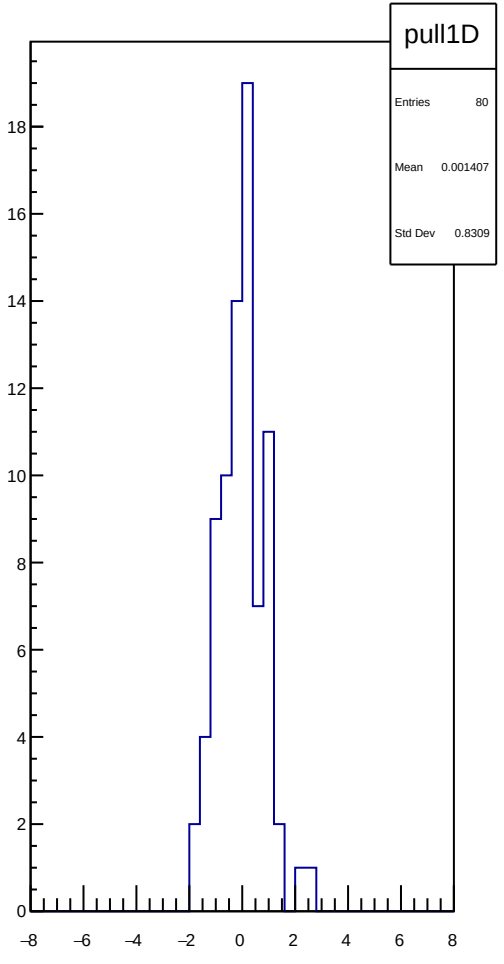

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2197 / 79
p0 168.5 ± 0.1348
185
180
175
170
165
160
155

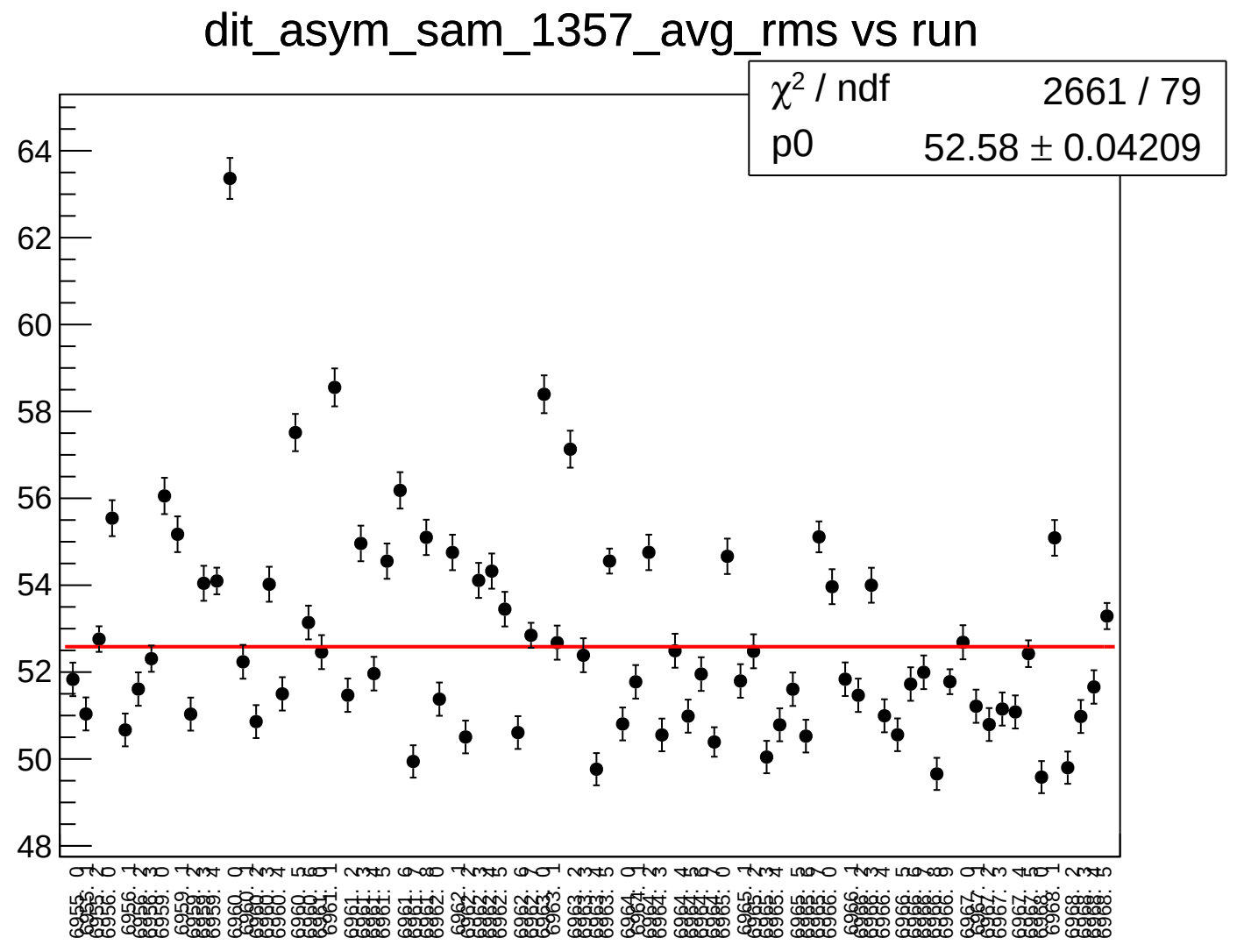

asym_sam_37_26_dd_mean vs run
χ² / ndf 71.79 / 79
p0 249.9 ± 183.4
pull
Entries 80
Mean 319.5
Std Dev 288

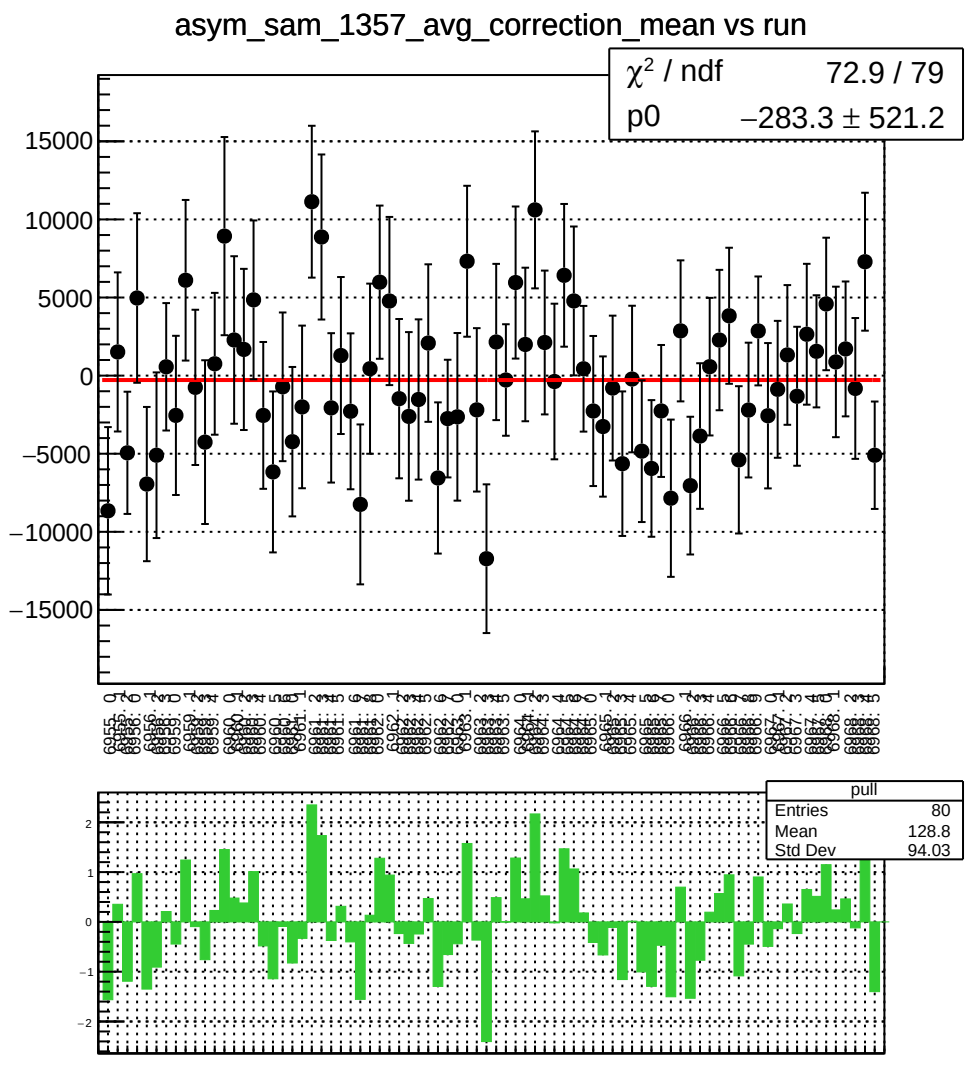

pull1D
Entries 80
Mean −0.00767
Std Dev 0.9473

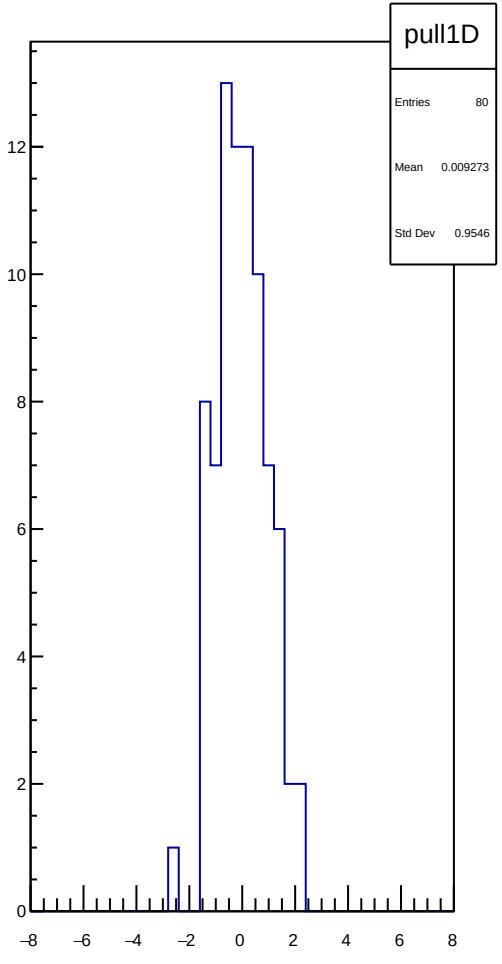

asym_sam_37_26_dd_rms vs run
χ² / ndf 3972 / 79
p0 161.9 ± 0.1297
185
180
175
170
165
160
155
150
145

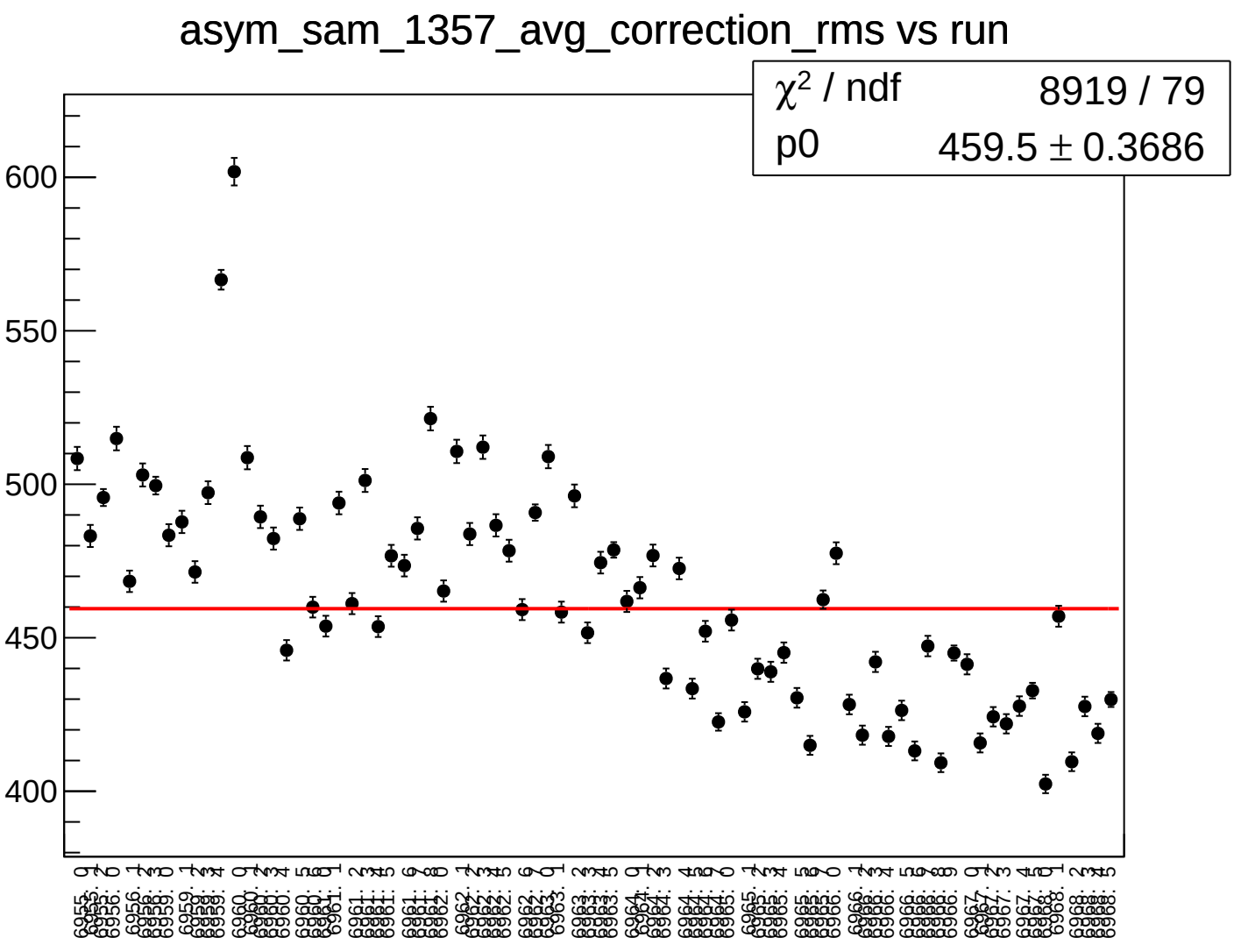

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 55.24 / 79
p0 59.37 ± 59.53
pull
Entries 80
Mean 782.8
Std Dev 734.9

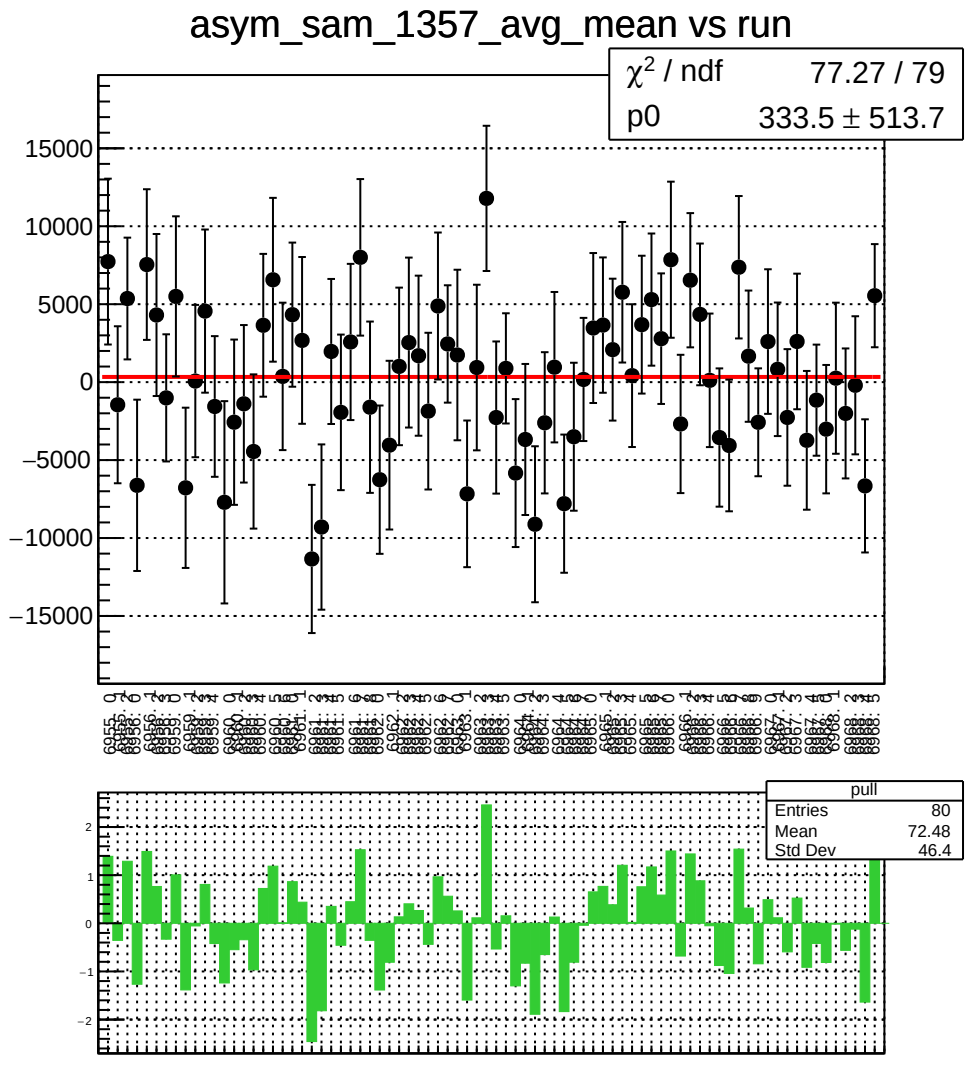

pull1D
Entries 80
Mean 0.001407
Std Dev 0.8309

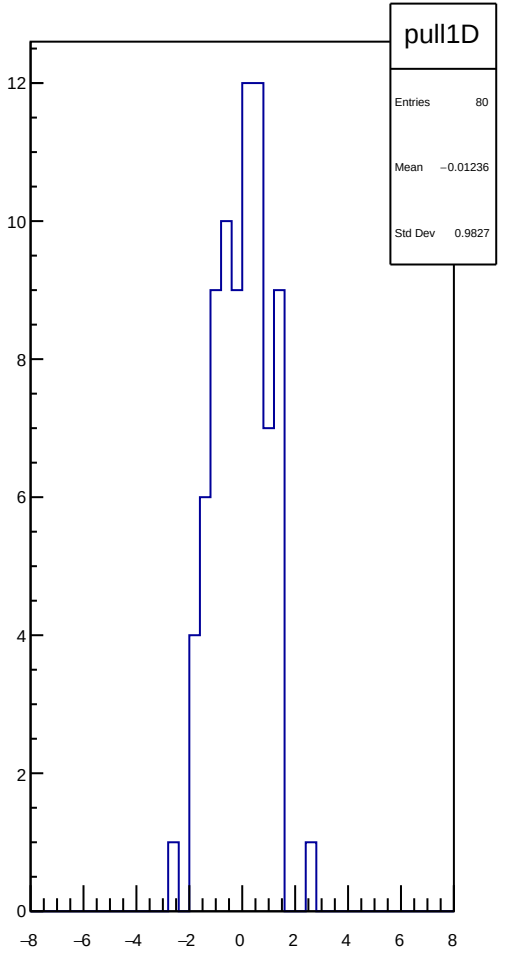

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2661 / 79
p0 52.58 ± 0.04209
64
62
60
58
56
54
52
50
48

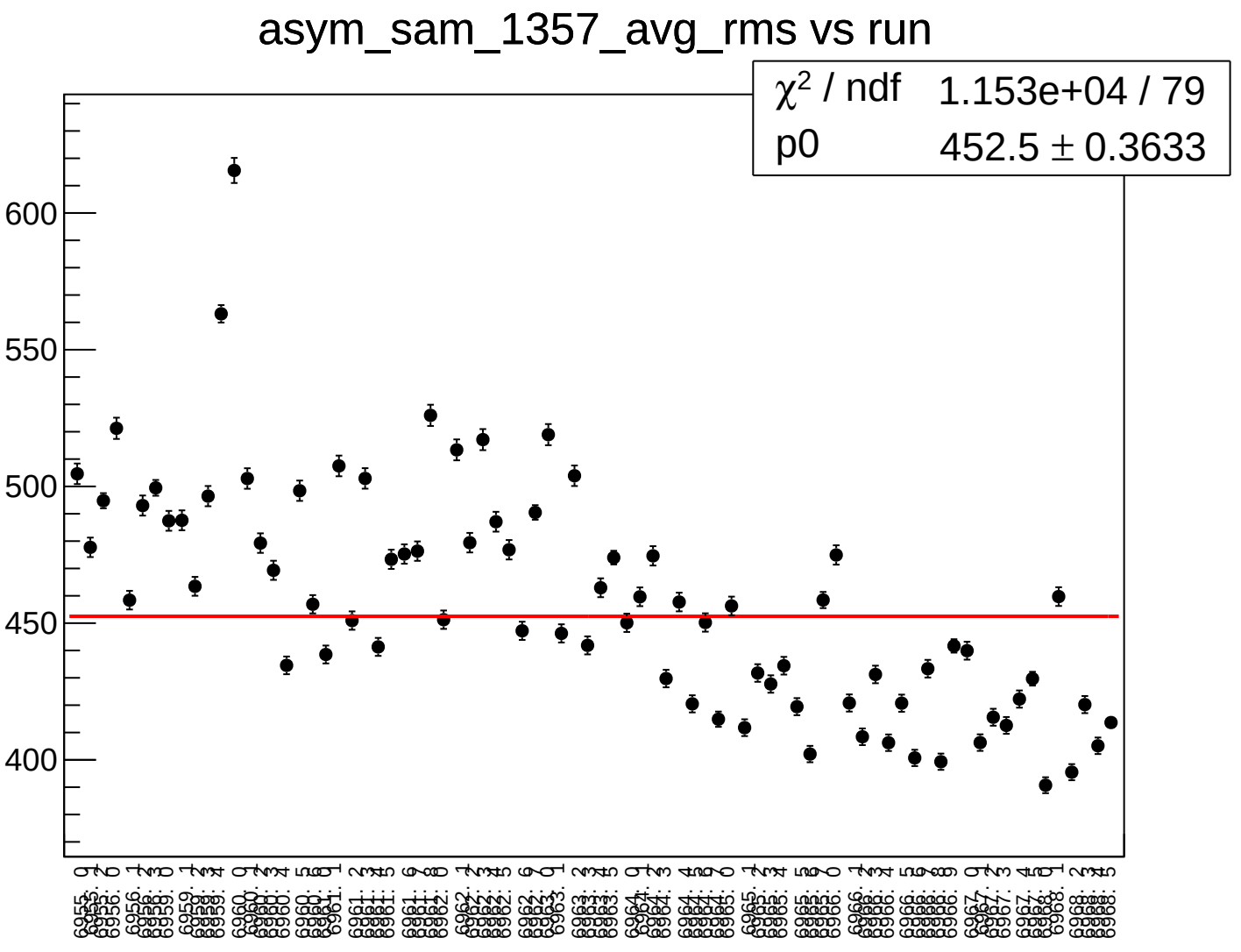

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.9 / 79
p0 −283.3 ± 521.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 128.8
Std Dev 94.03
2
1
0
−1
−2

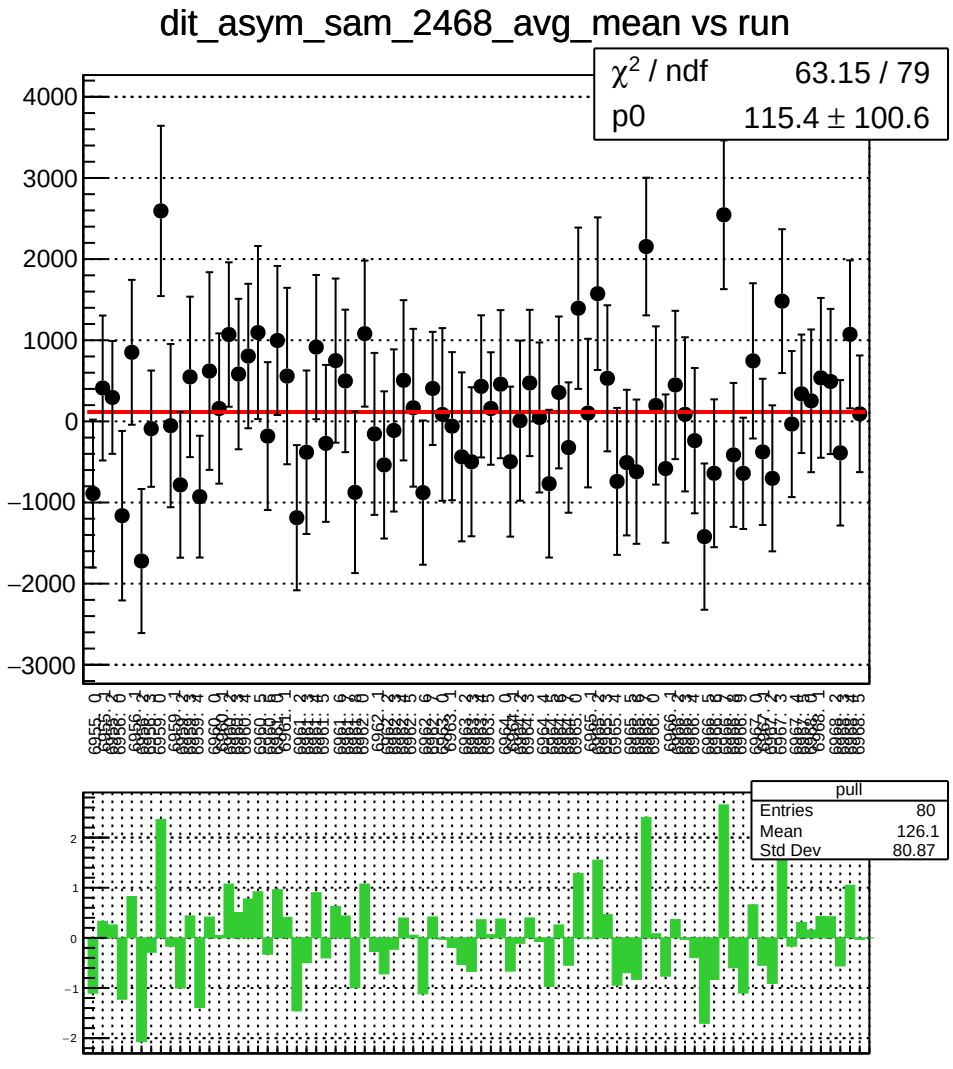

pull1D
Entries 80
Mean 0.009273
Std Dev 0.9546
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

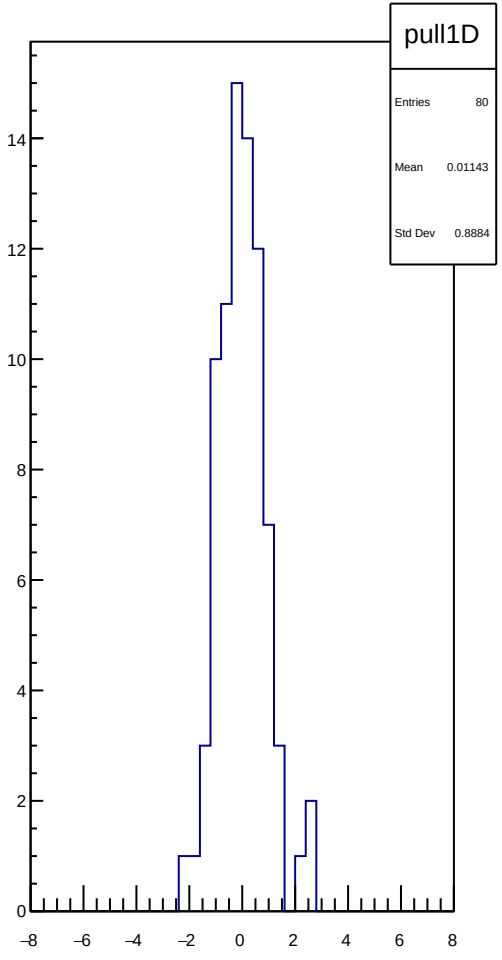

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 8919 / 79
p0 459.5 ± 0.3686
600
550
500
450
400

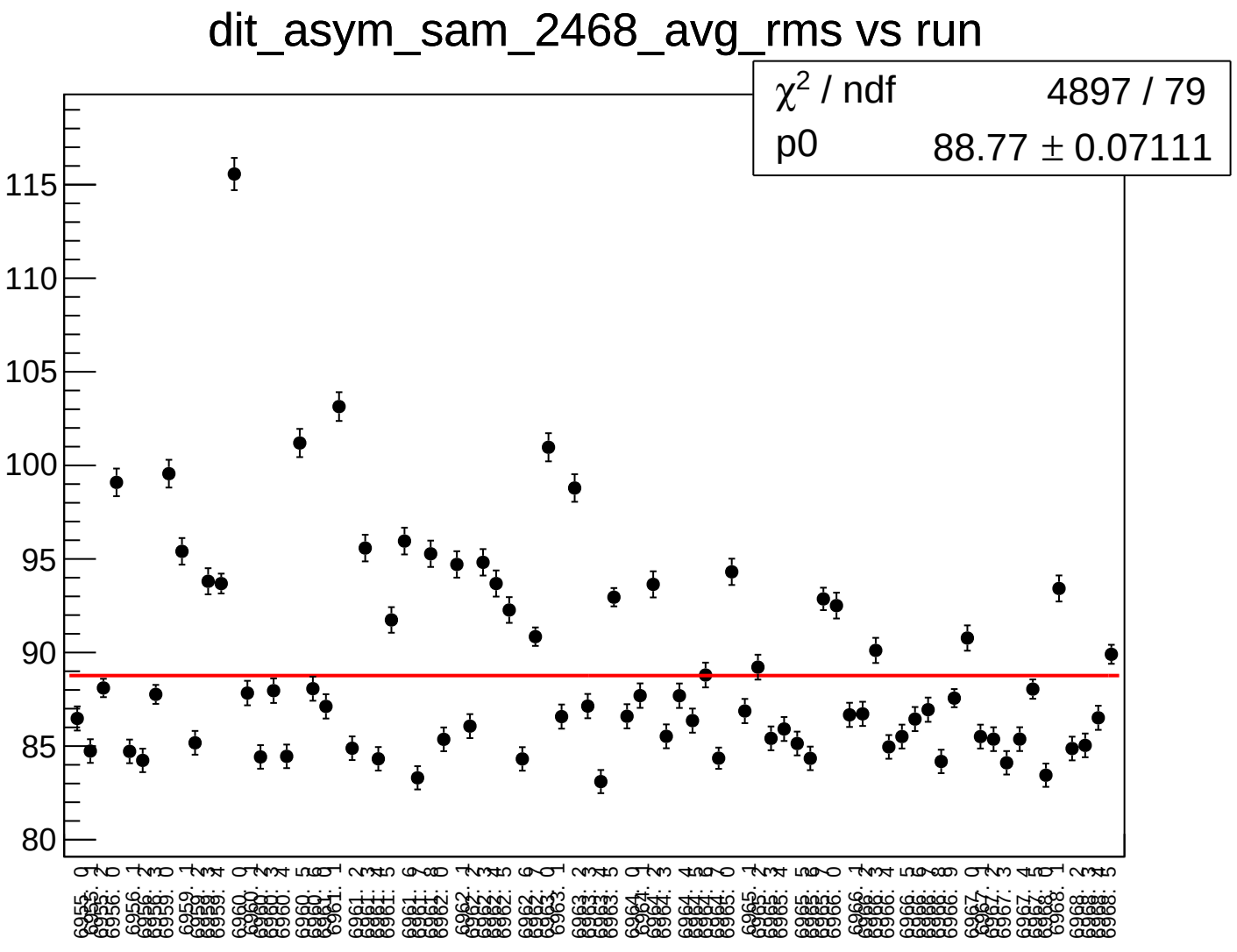

asym_sam_1357_avg_mean vs run
χ² / ndf 77.27 / 79
p0 333.5 ± 513.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean 72.48
Std Dev 46.4
2
1
0
−1
−2

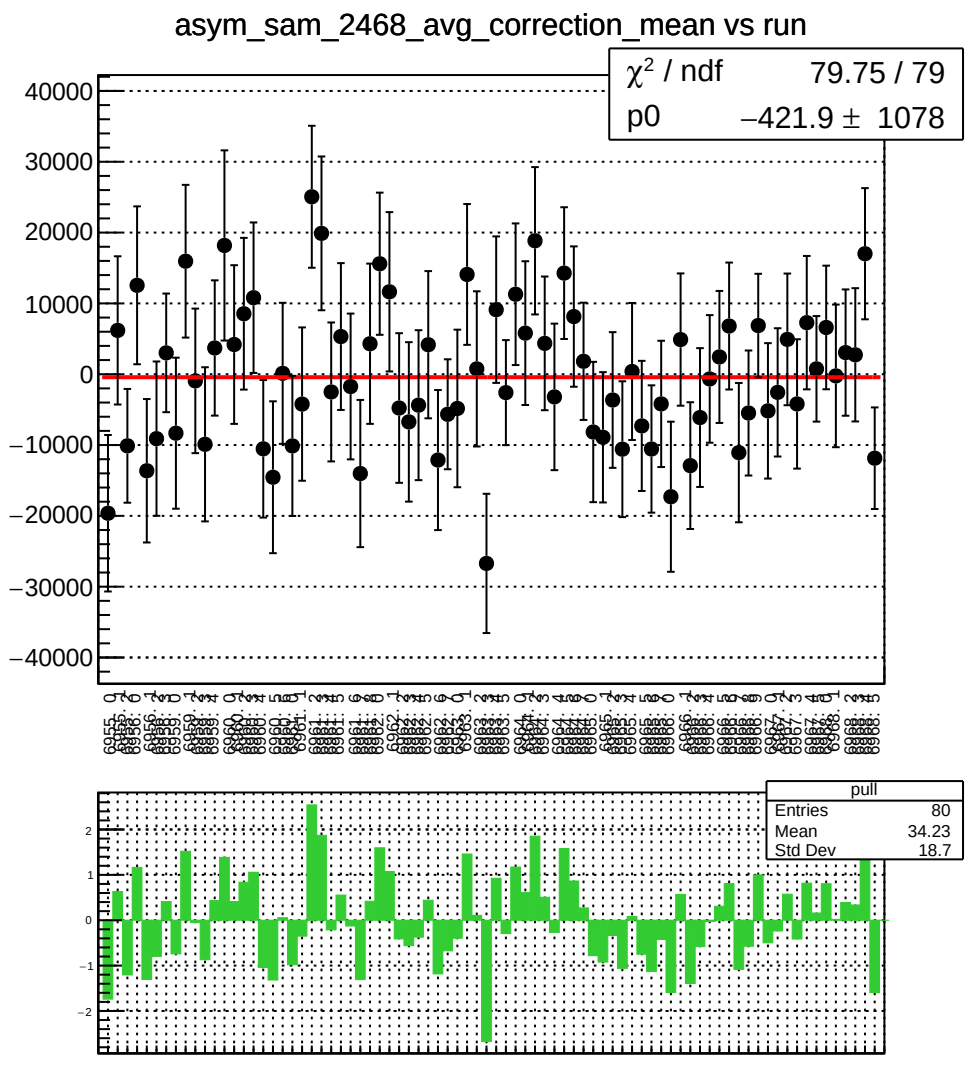

pull1D
Entries 80
Mean −0.01236
Std Dev 0.9827
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

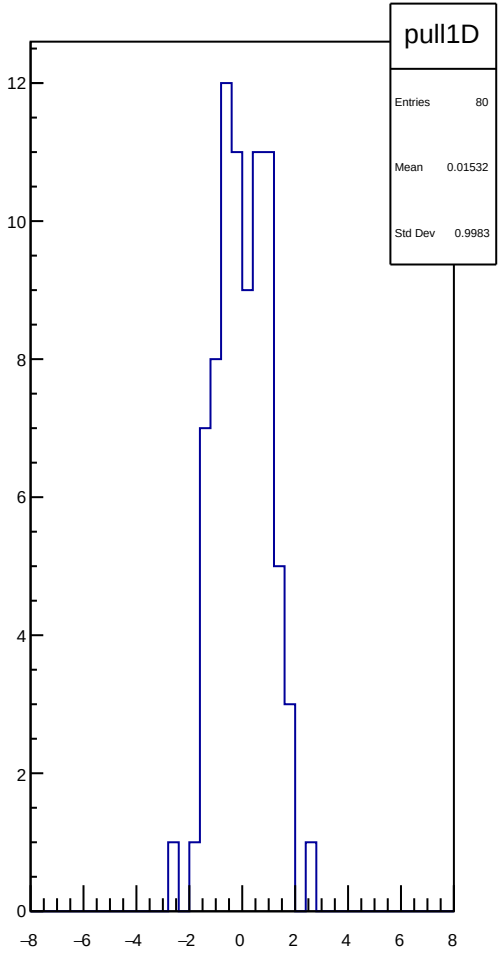

asym_sam_1357_avg_rms vs run
χ² / ndf 1.153e+04 / 79
p0 452.5 ± 0.3633
600
550
500
450
400

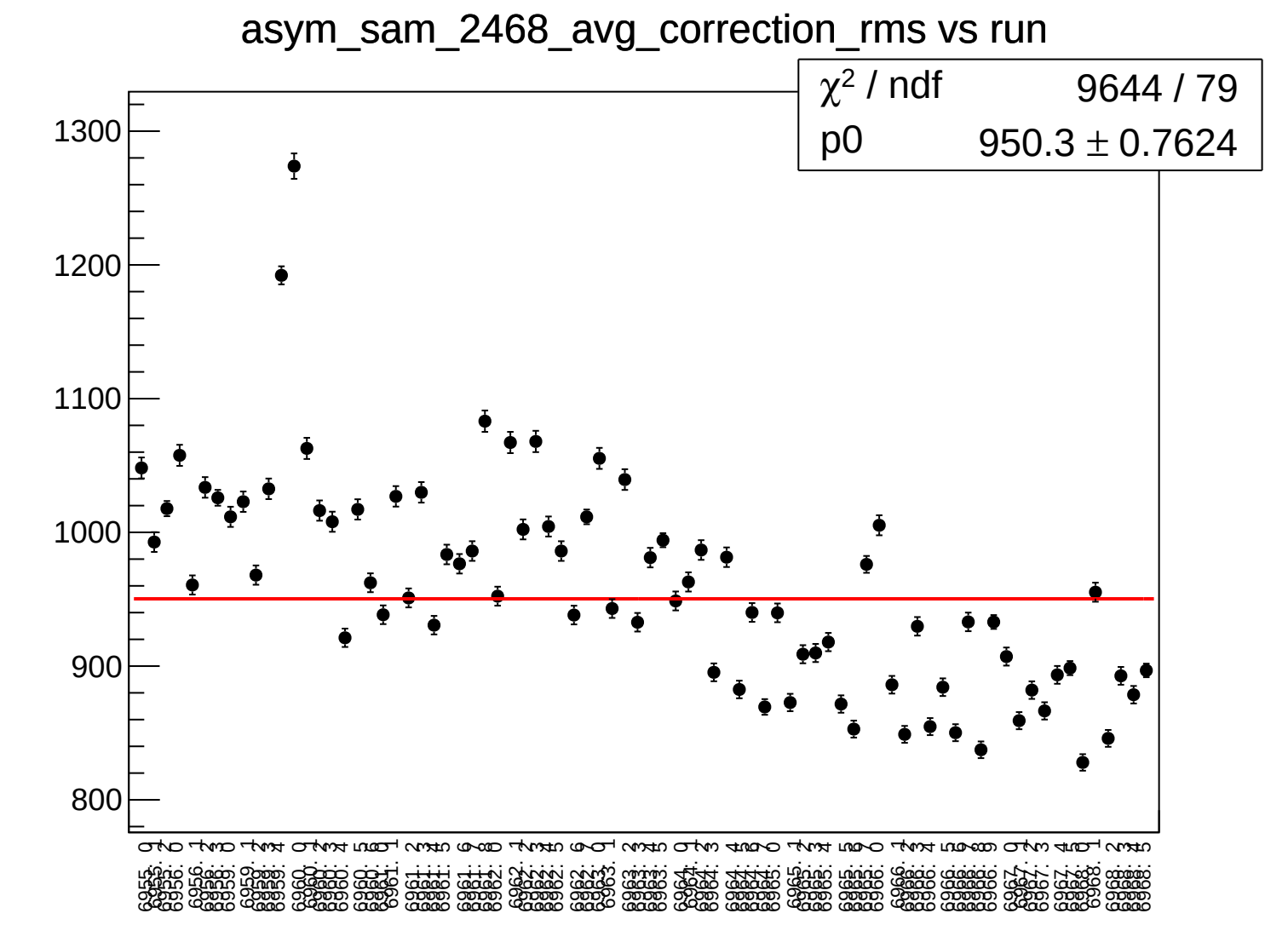

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.15 / 79
p0 115.4 ± 100.6
pull
Entries 80
Mean 126.1
Std Dev 80.87

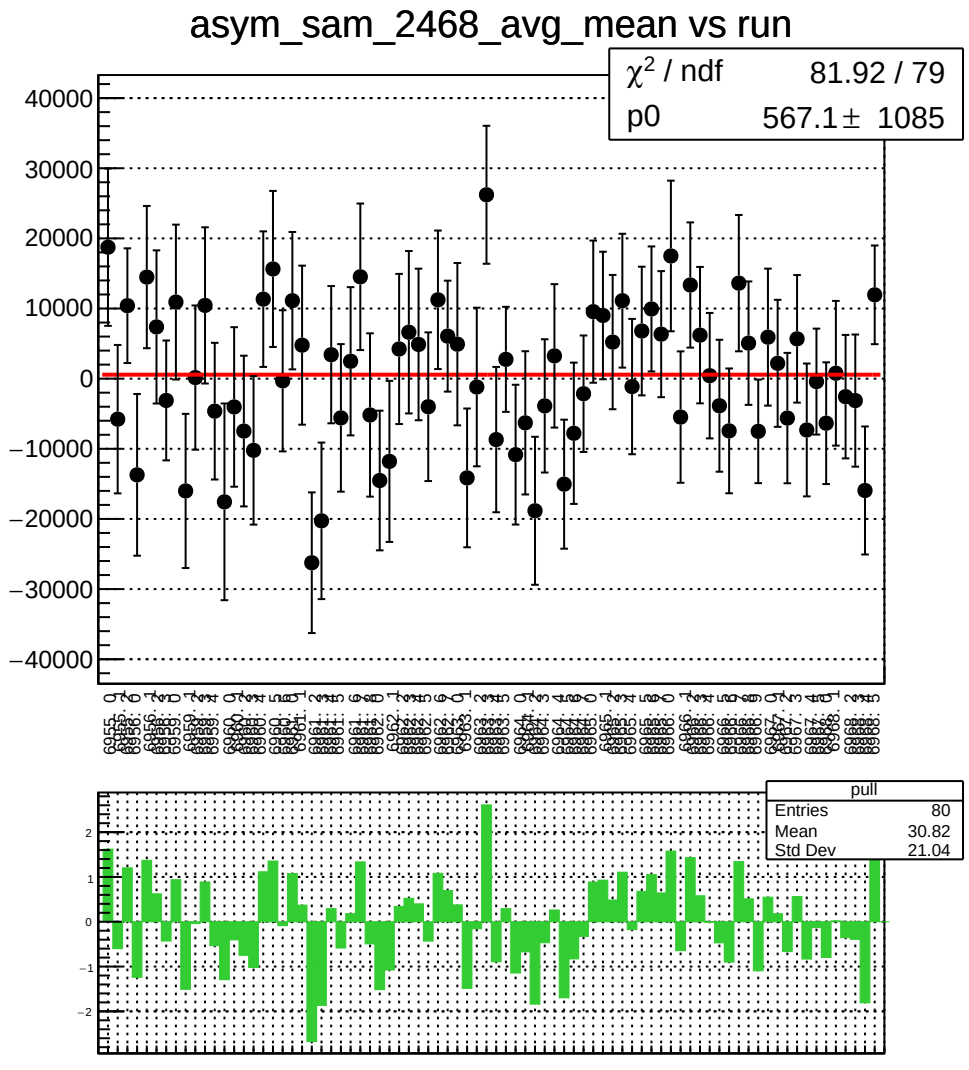

pull1D
Entries 80
Mean 0.01143
Std Dev 0.8884

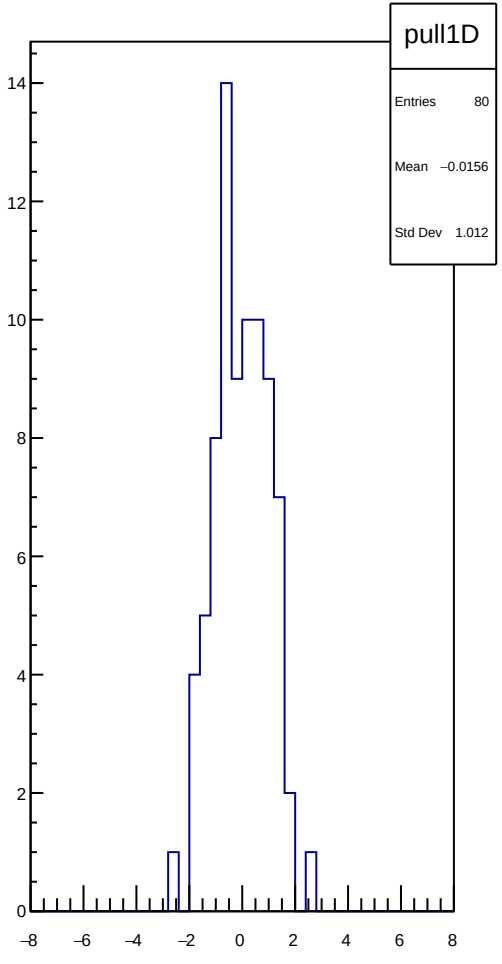

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4897 / 79
p0 88.77 ± 0.07111
115
110
105
100
95
90
85
80

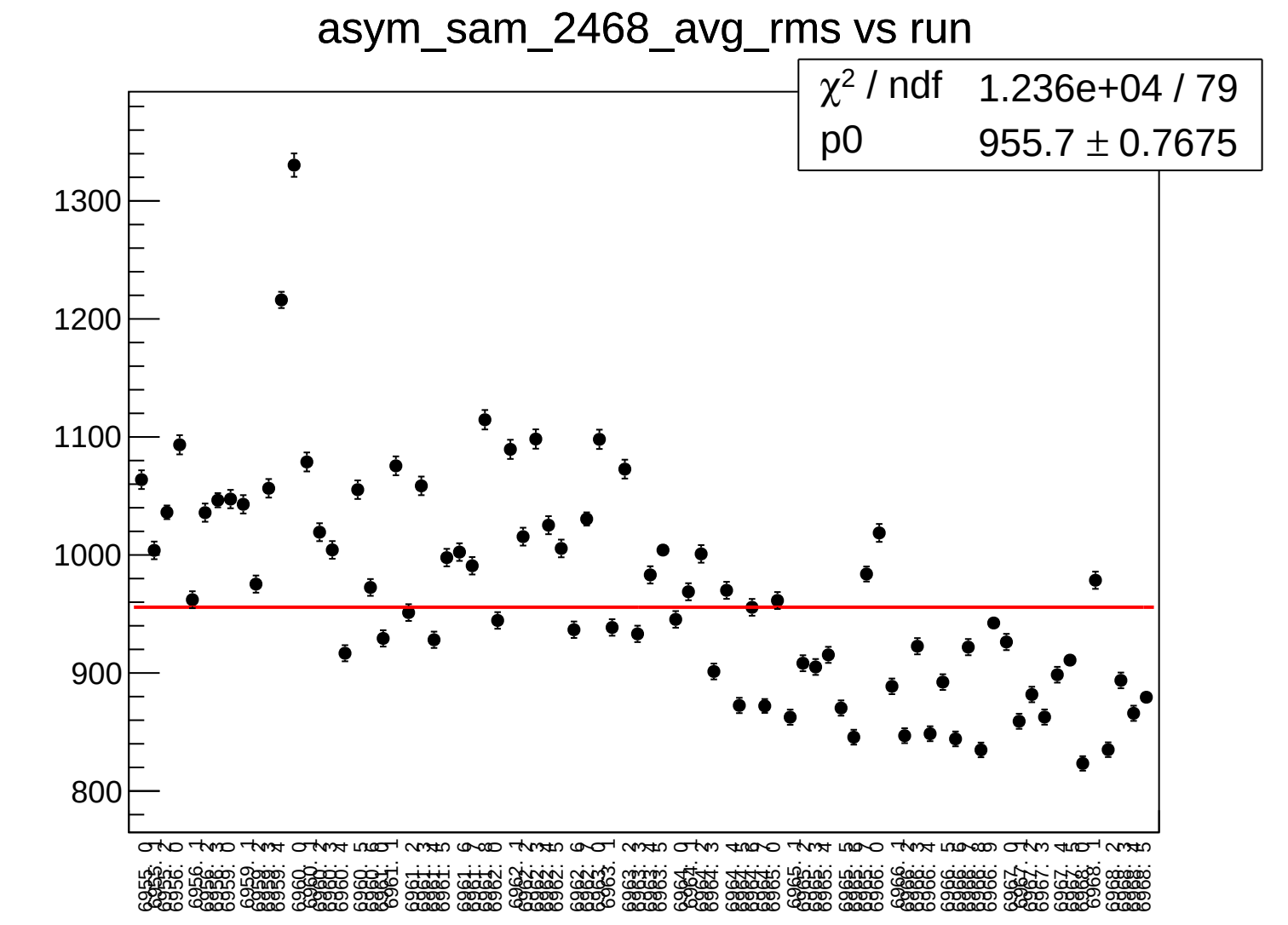

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 79.75 / 79
p0 −421.9 ± 1078
pull
Entries 80
Mean 34.23
Std Dev 18.7

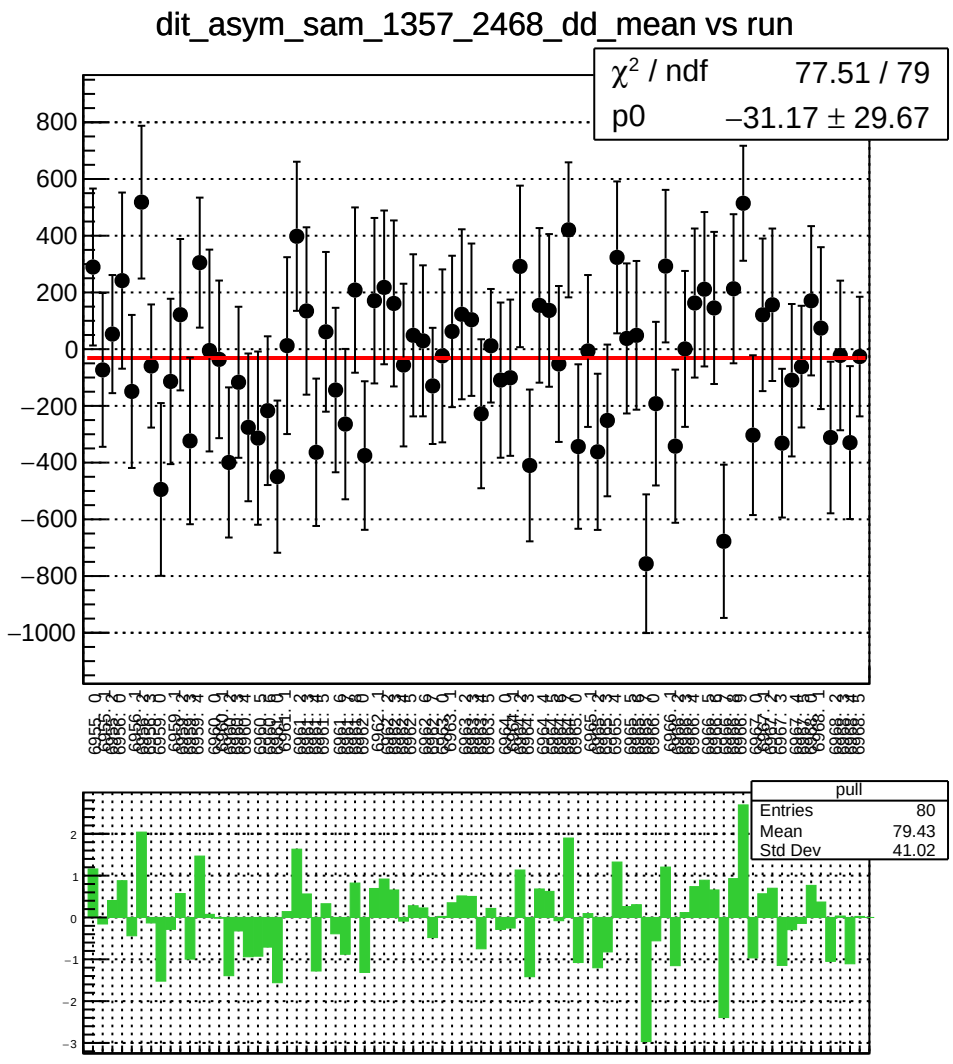

pull1D
Entries 80
Mean 0.01532
Std Dev 0.9983

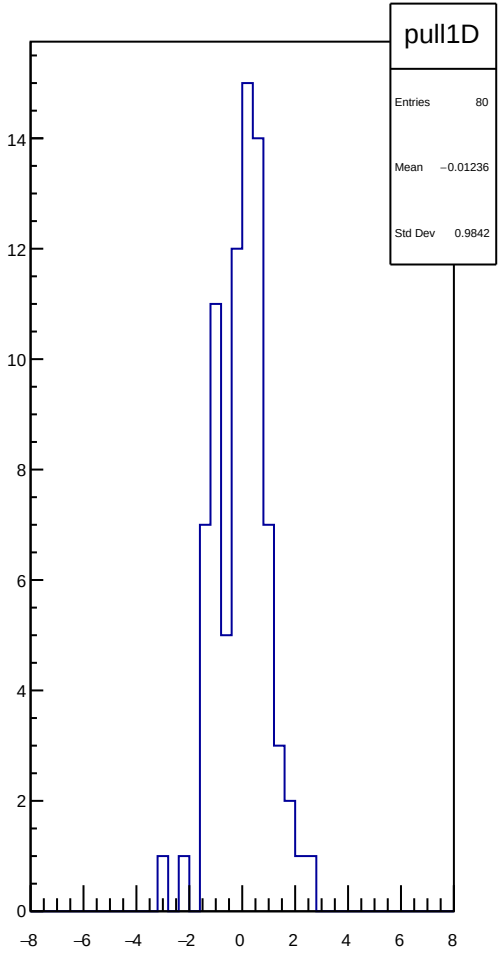

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 9644 / 79
p0 950.3 ± 0.7624
1300
1200
1100
1000
900
800

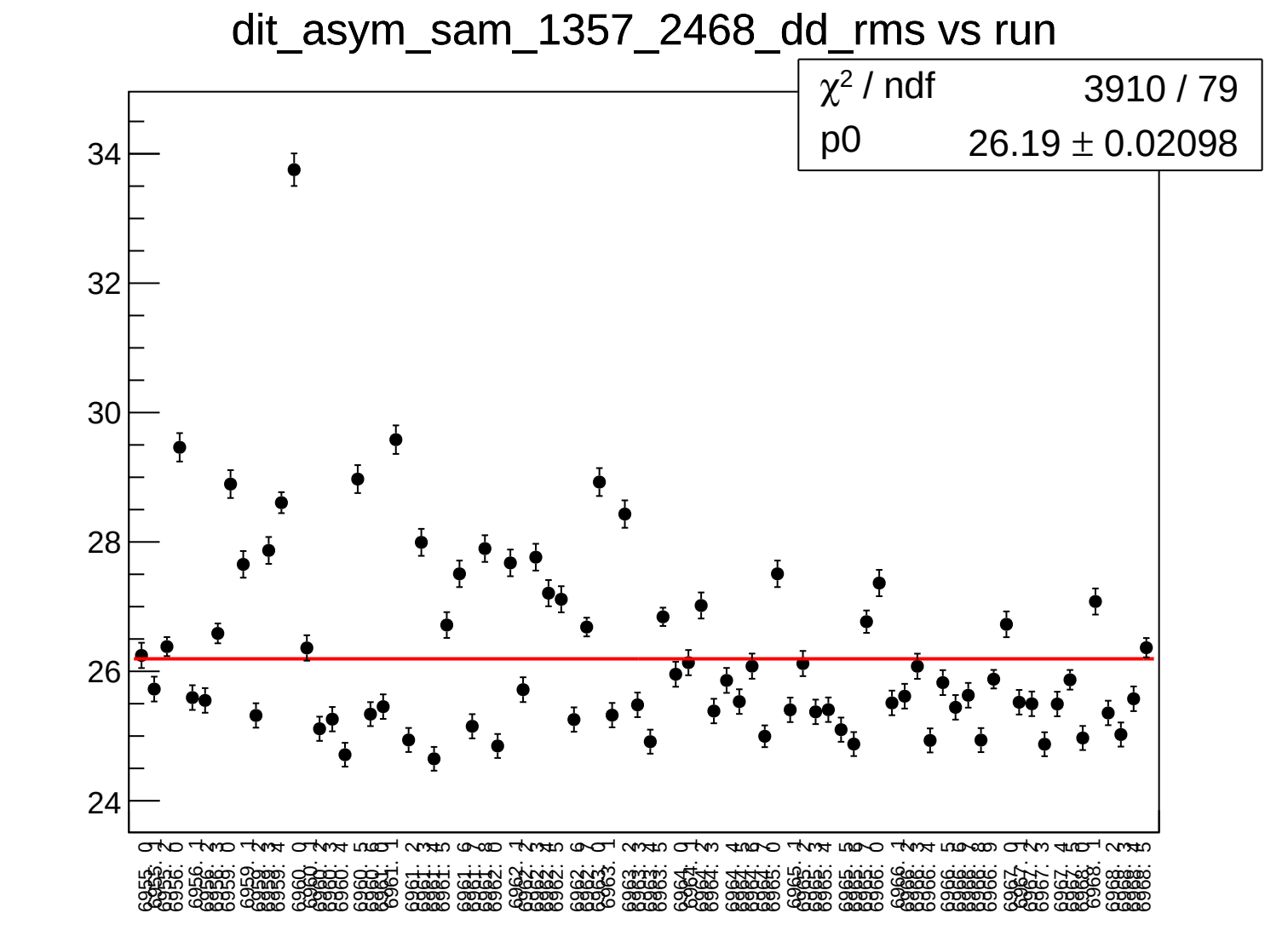

asym_sam_2468_avg_mean vs run
χ² / ndf 81.92 / 79
p0 567.1 ± 1085
pull
Entries 80
Mean 30.82
Std Dev 21.04

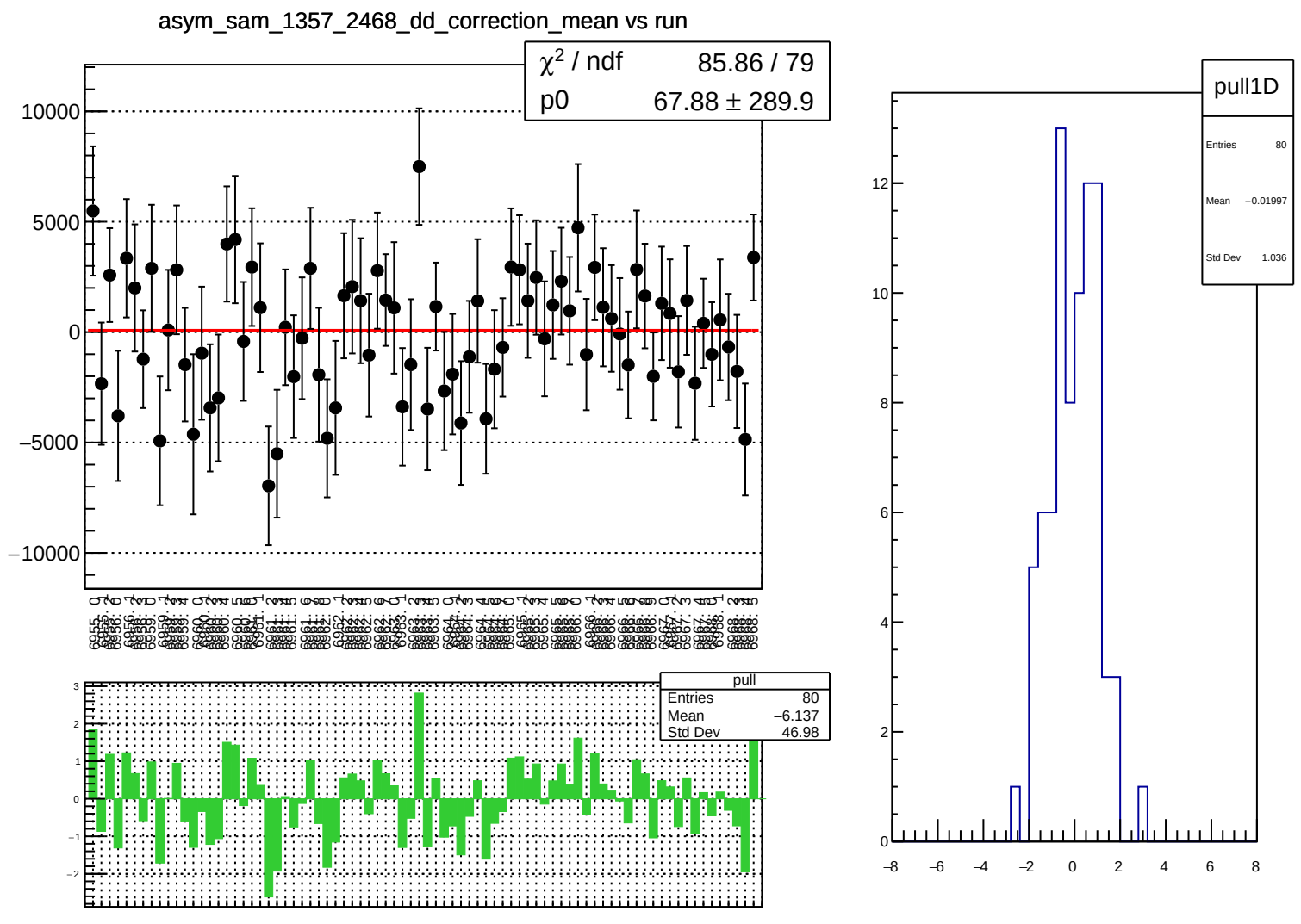

pull1D
Entries 80
Mean −0.0156
Std Dev 1.012

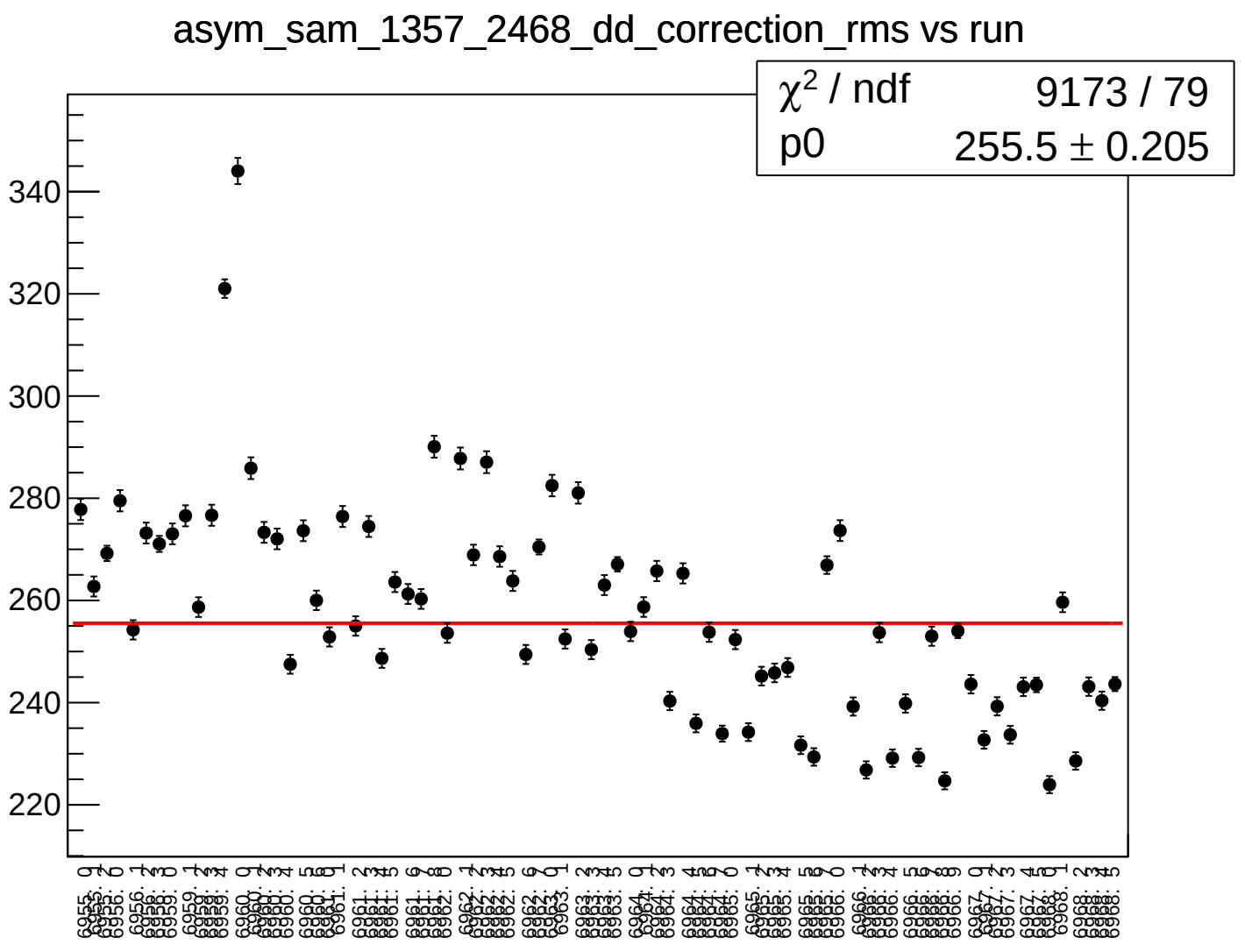

asym_sam_2468_avg_rms vs run
χ² / ndf 1.236e+04 / 79
p0 955.7 ± 0.7675
1300
1200
1100
1000
900
800

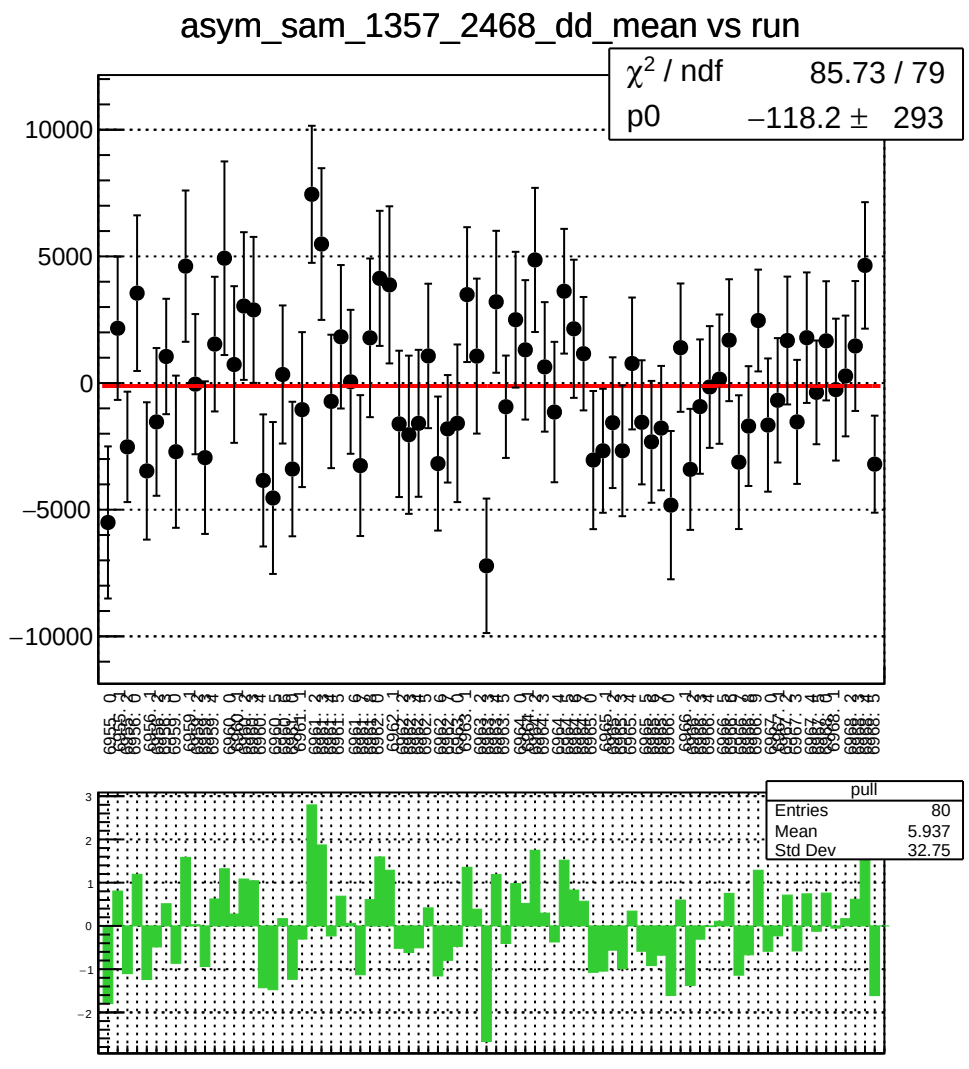

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.51 / 79
p0 −31.17 ± 29.67
pull
Entries 80
Mean 79.43
Std Dev 41.02

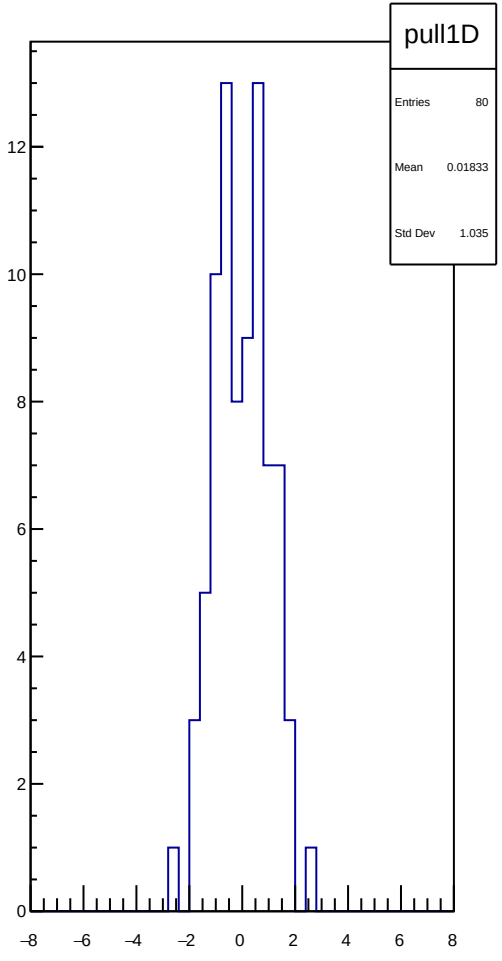

pull1D
Entries 80
Mean −0.01236
Std Dev 0.9842

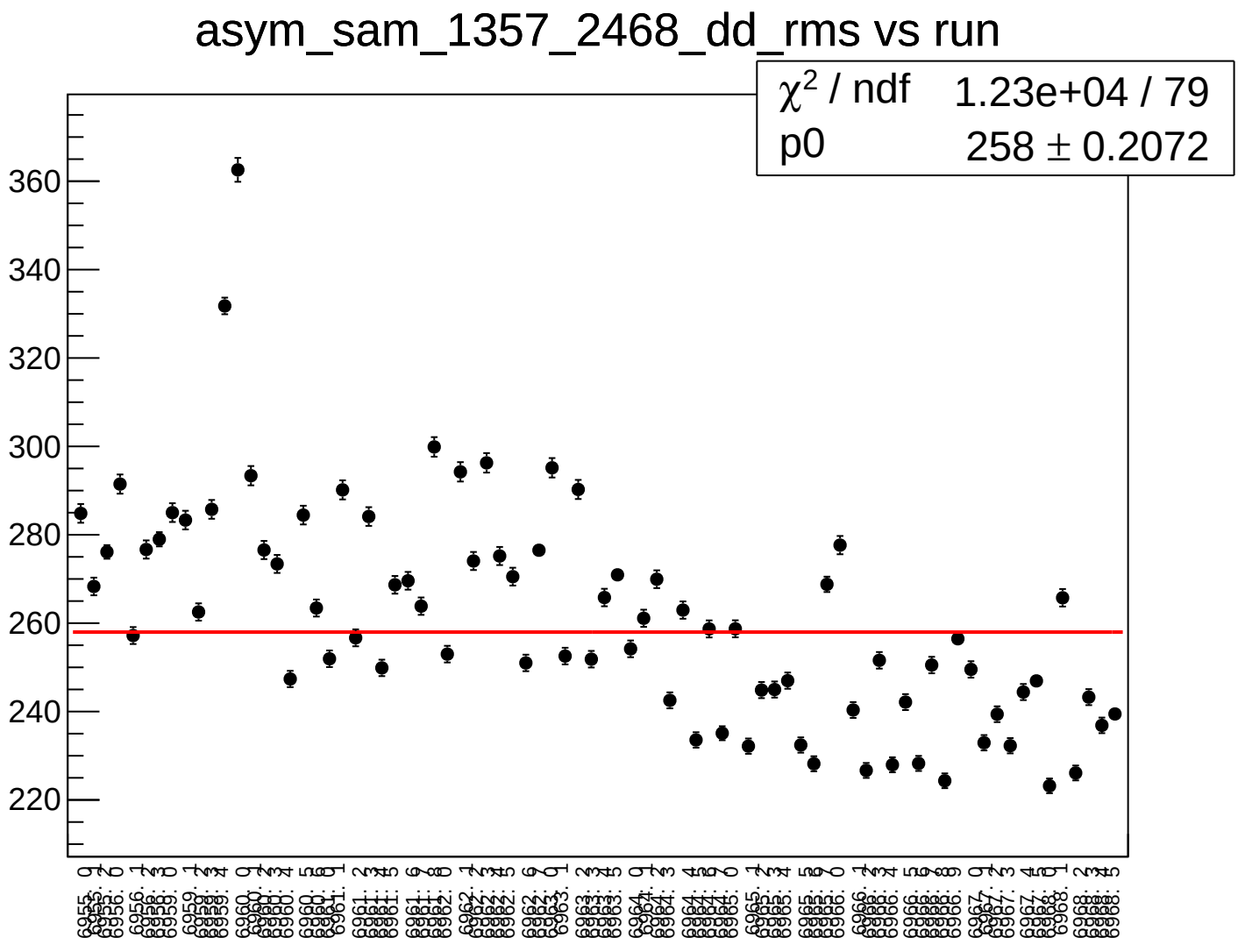

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3910 / 79
p0 26.19 ± 0.02098
34
32
30
28
26
24

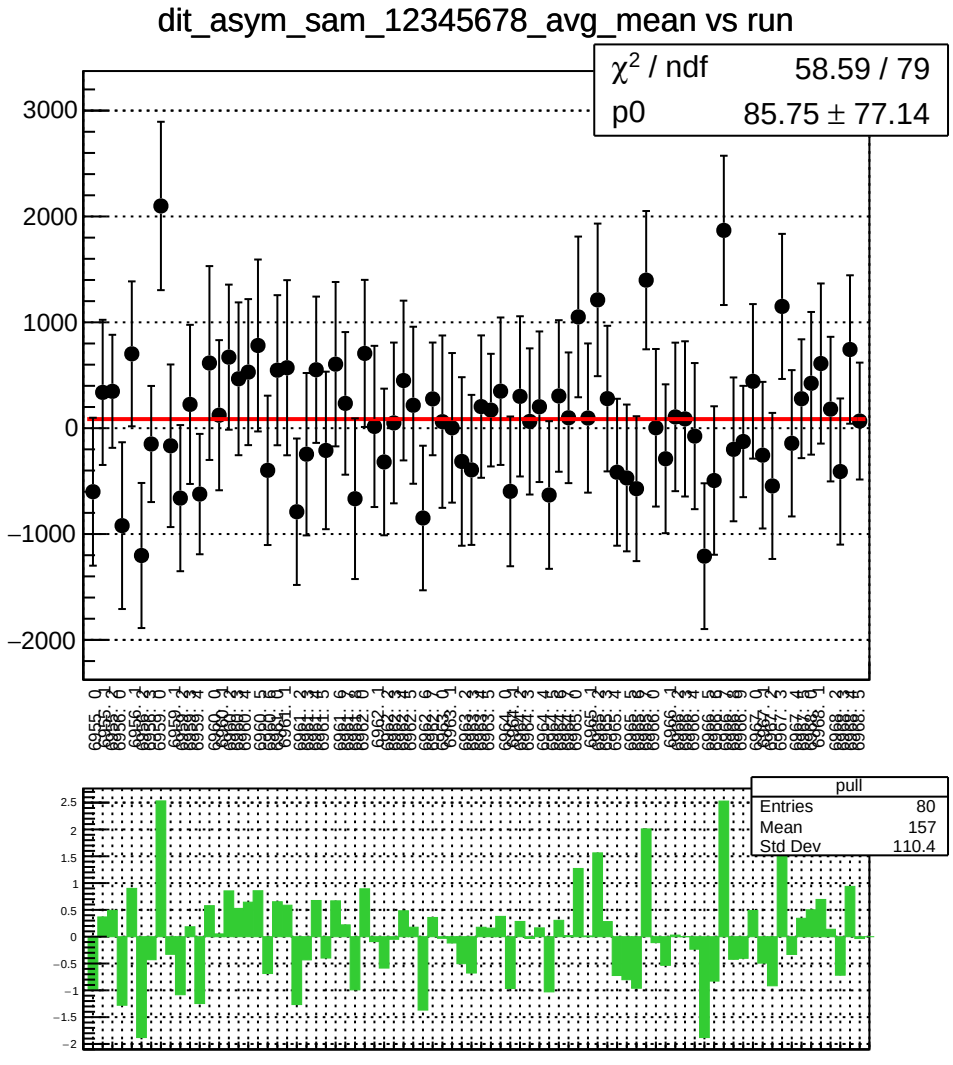

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 85.86 / 79
p0 67.88 ± 289.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −6.137
Std Dev 46.98
3
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01997
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

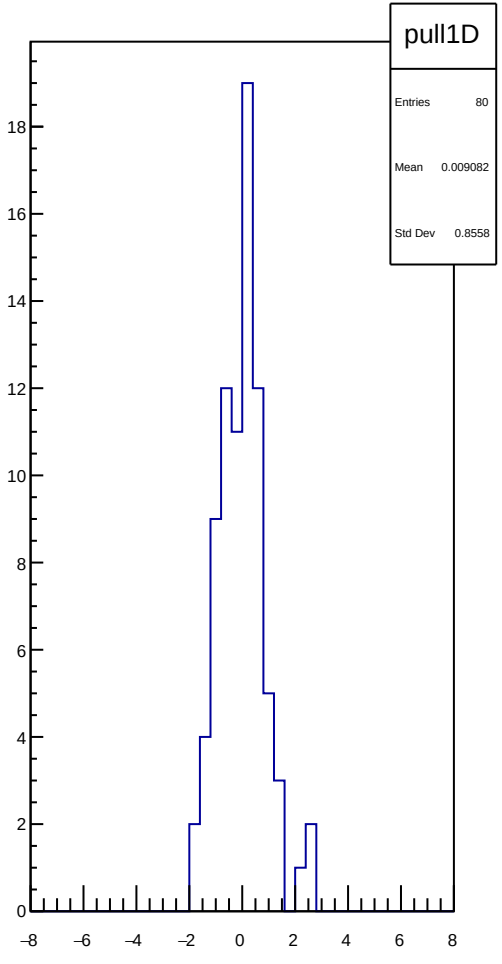

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 9173 / 79
p0 255.5 ± 0.205
340
320
300
280
260
240
220

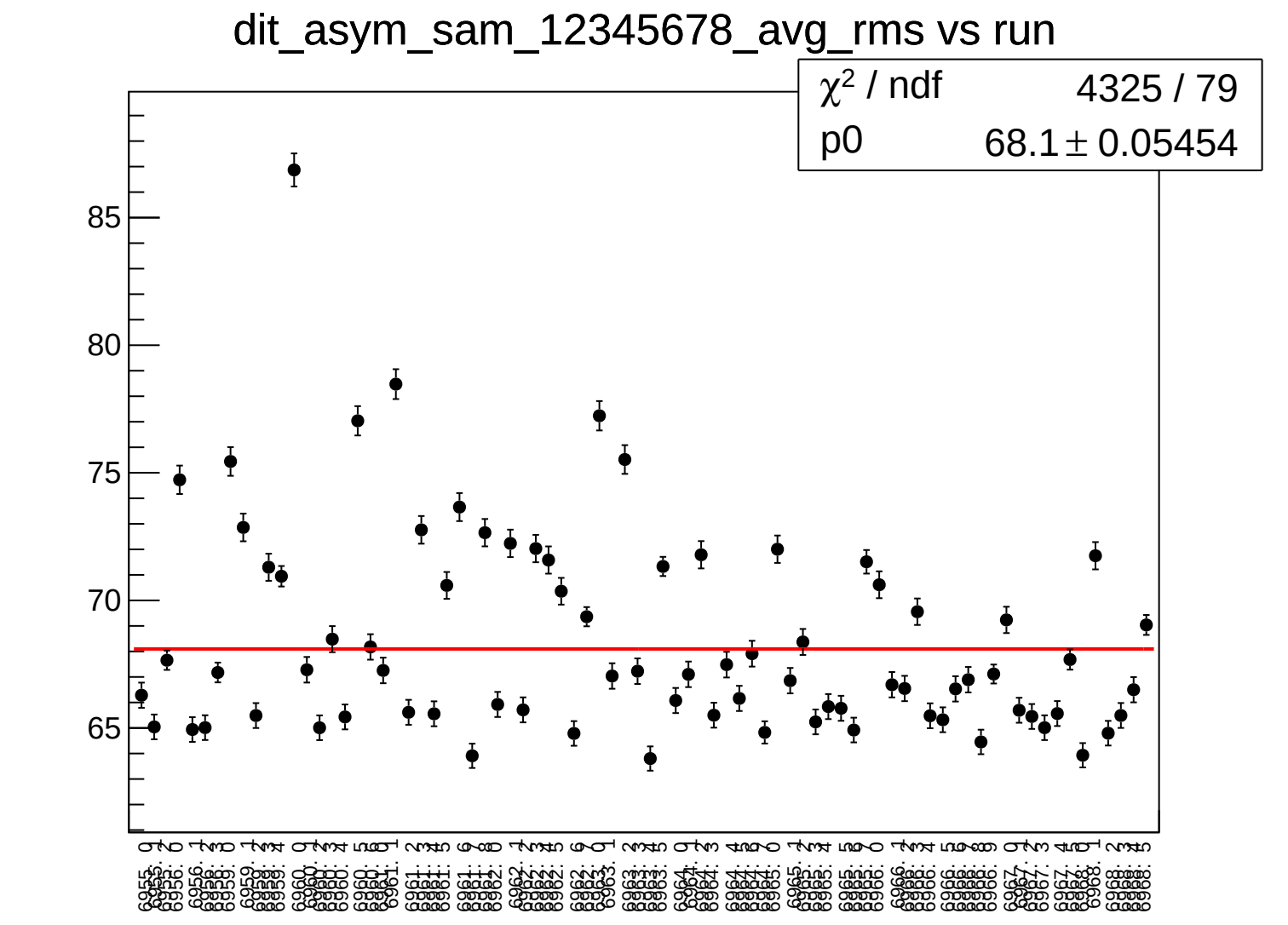

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.73 / 79
p0 −118.2 ± 293
10000
5000
0
−5000
−10000
pull
Entries 80
Mean 5.937
Std Dev 32.75
3
2
1
0
−1
−2

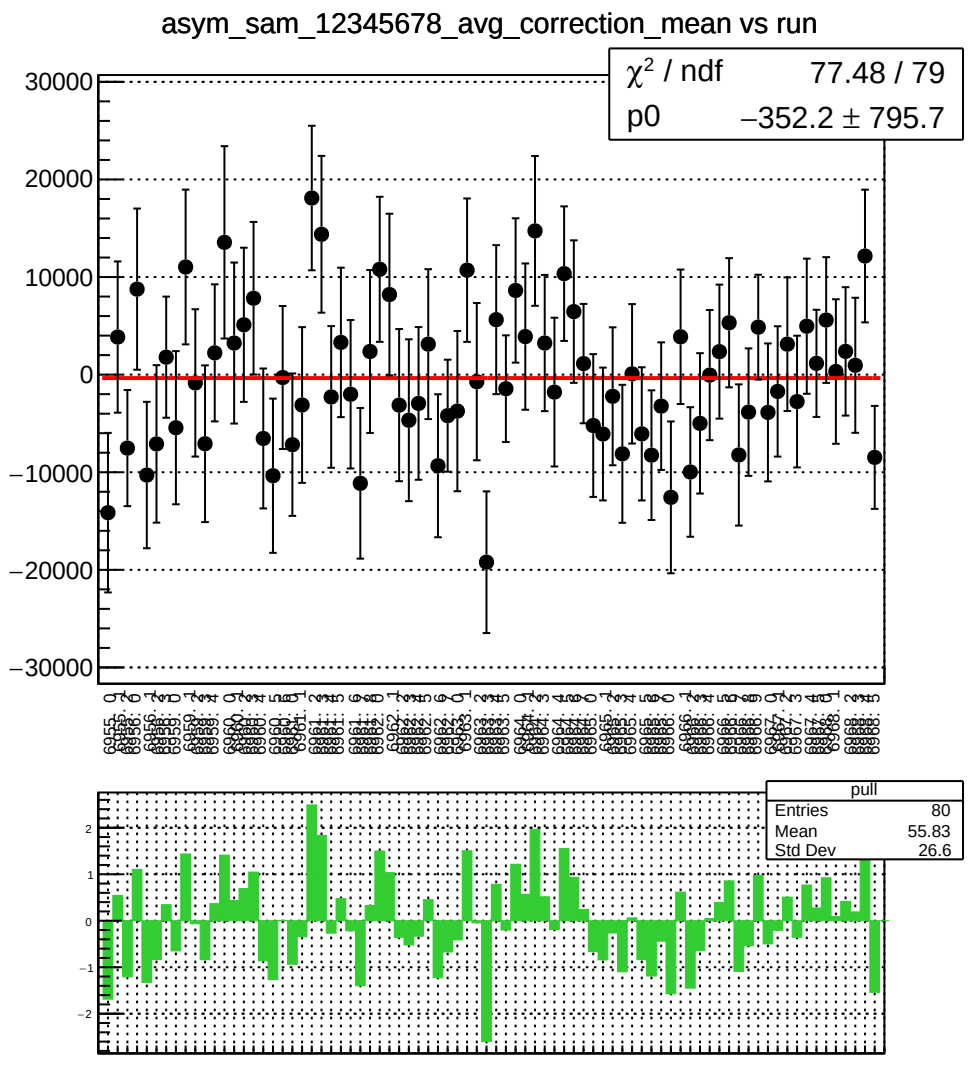

pull1D
Entries 80
Mean 0.01833
Std Dev 1.035
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

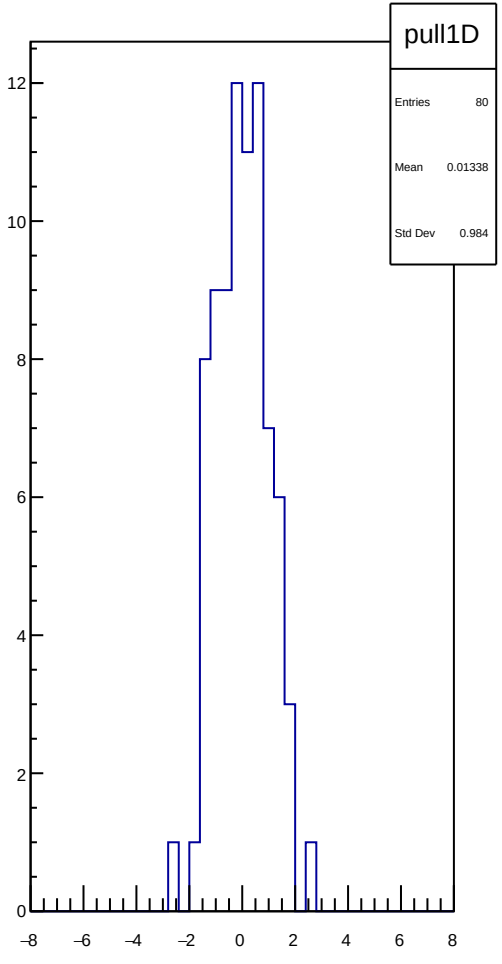

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.23e+04 / 79
p0 258 ± 0.2072
360
340
320
300
280
260
240
220

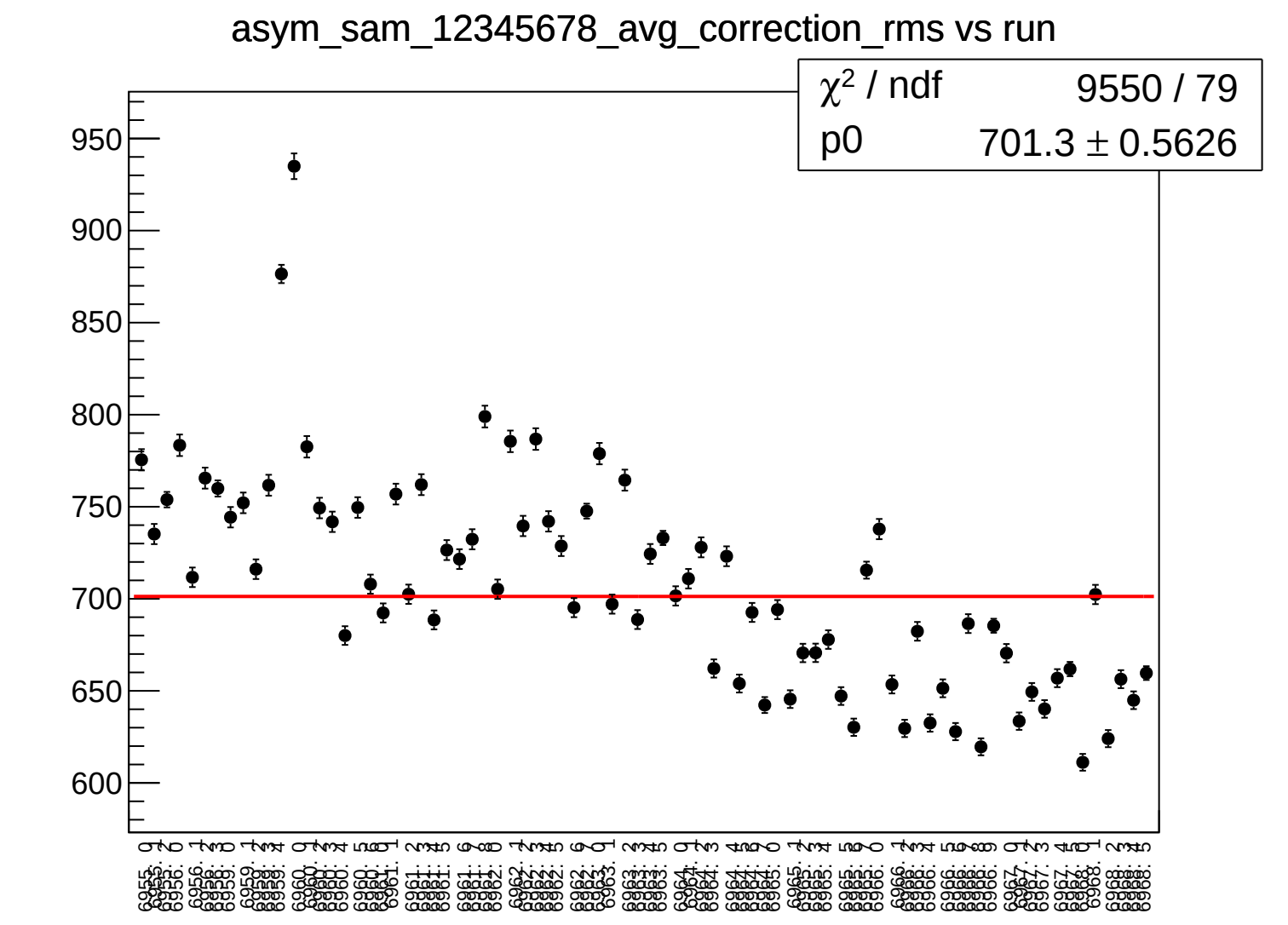

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 58.59 / 79
p0 85.75 ± 77.14
pull
Entries 80
Mean 157
Std Dev 110.4

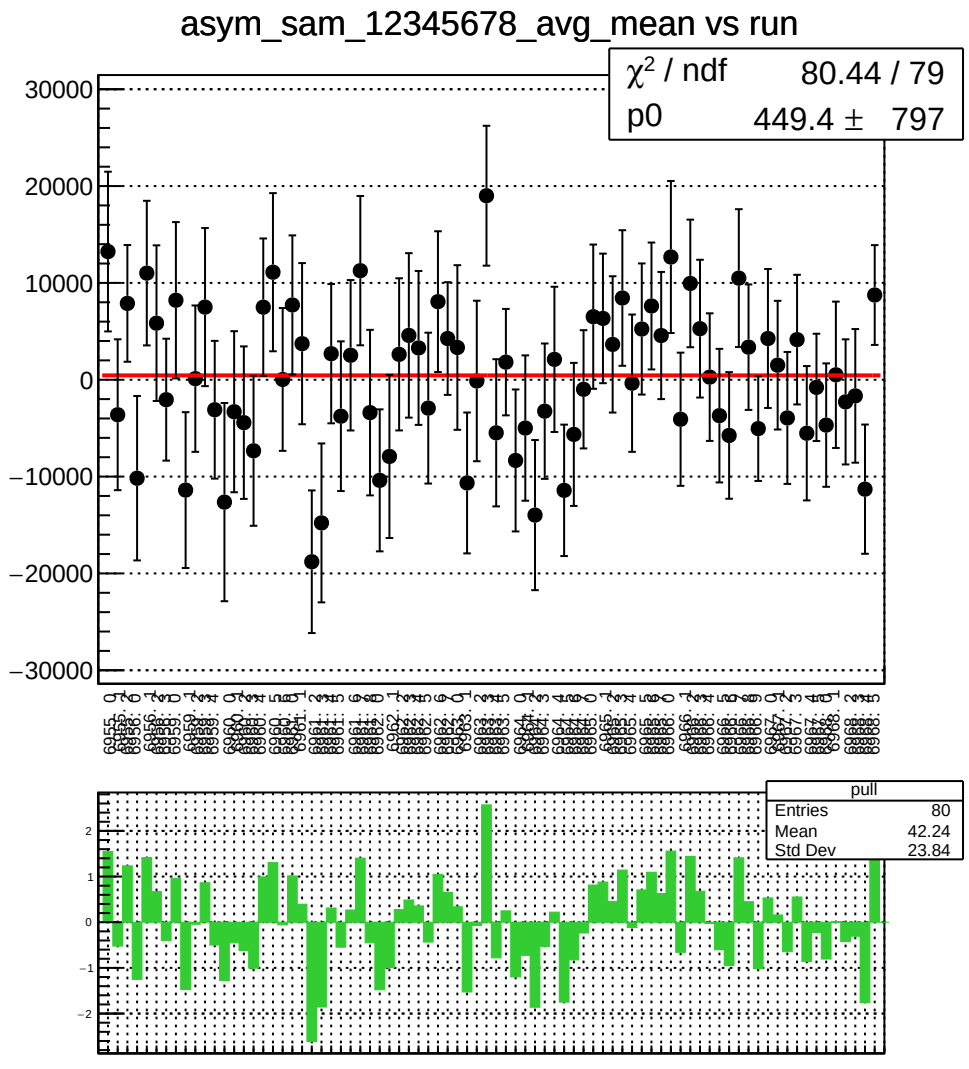

pull1D
Entries 80
Mean 0.009082
Std Dev 0.8558

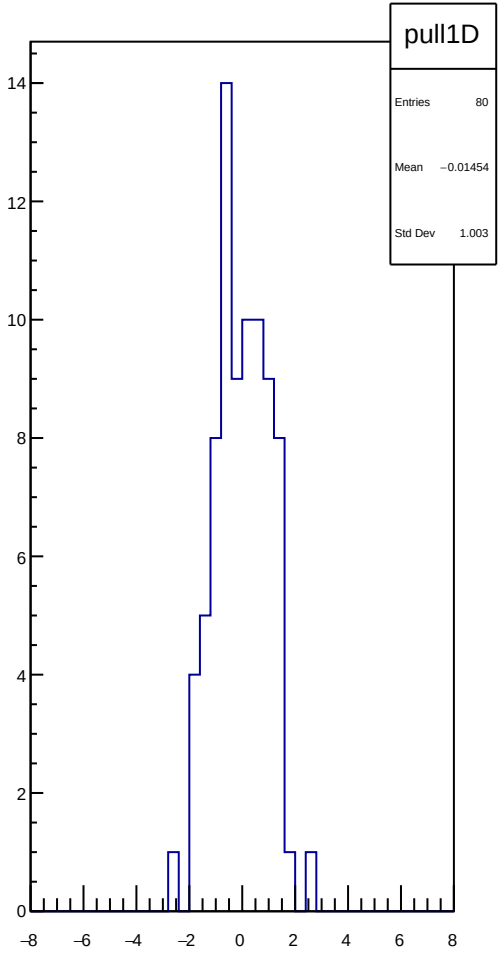

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 4325 / 79
p0 68.1 ± 0.05454
85
80
75
70
65

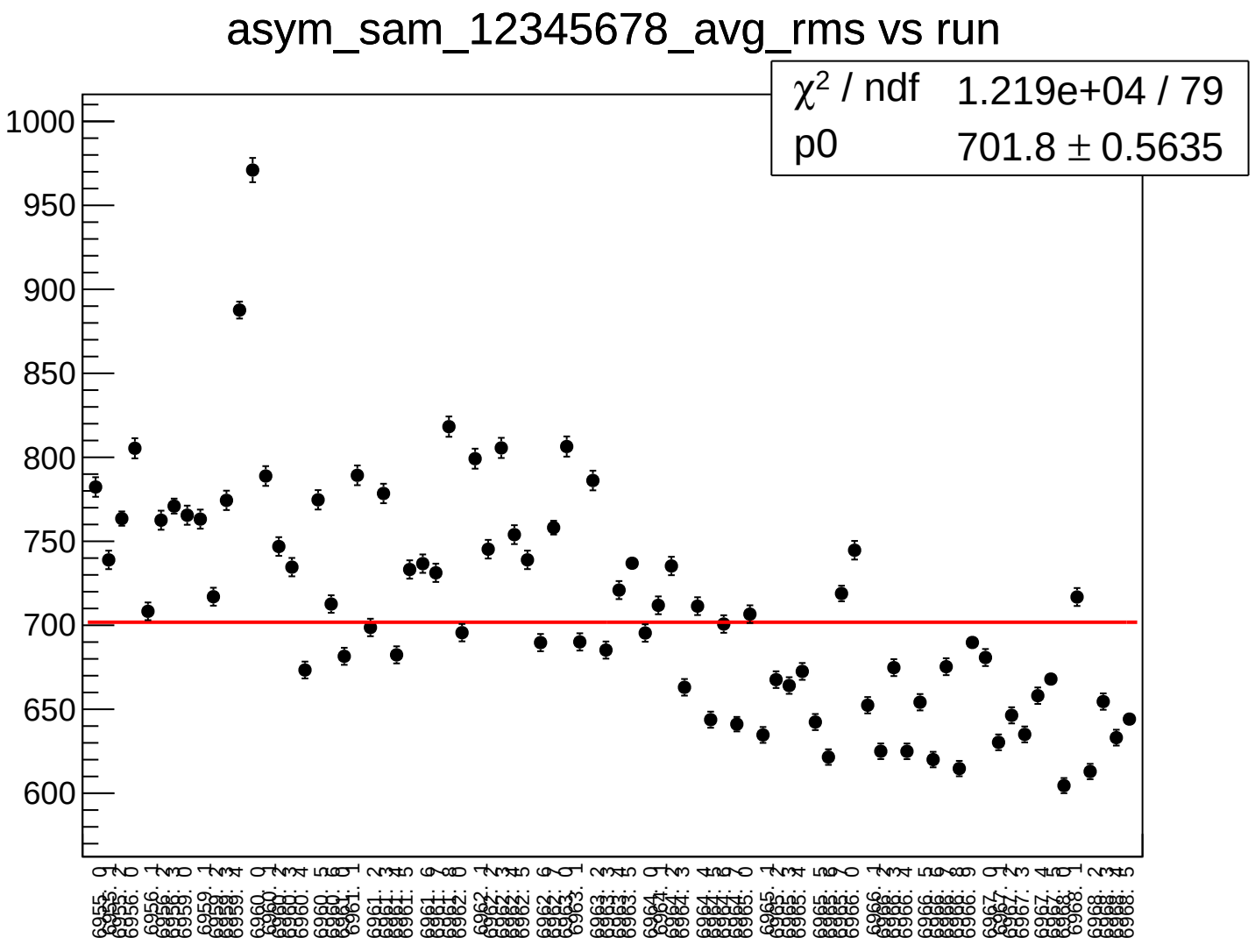

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 77.48 / 79
p0 −352.2 ± 795.7
pull
Entries 80
Mean 55.83
Std Dev 26.6

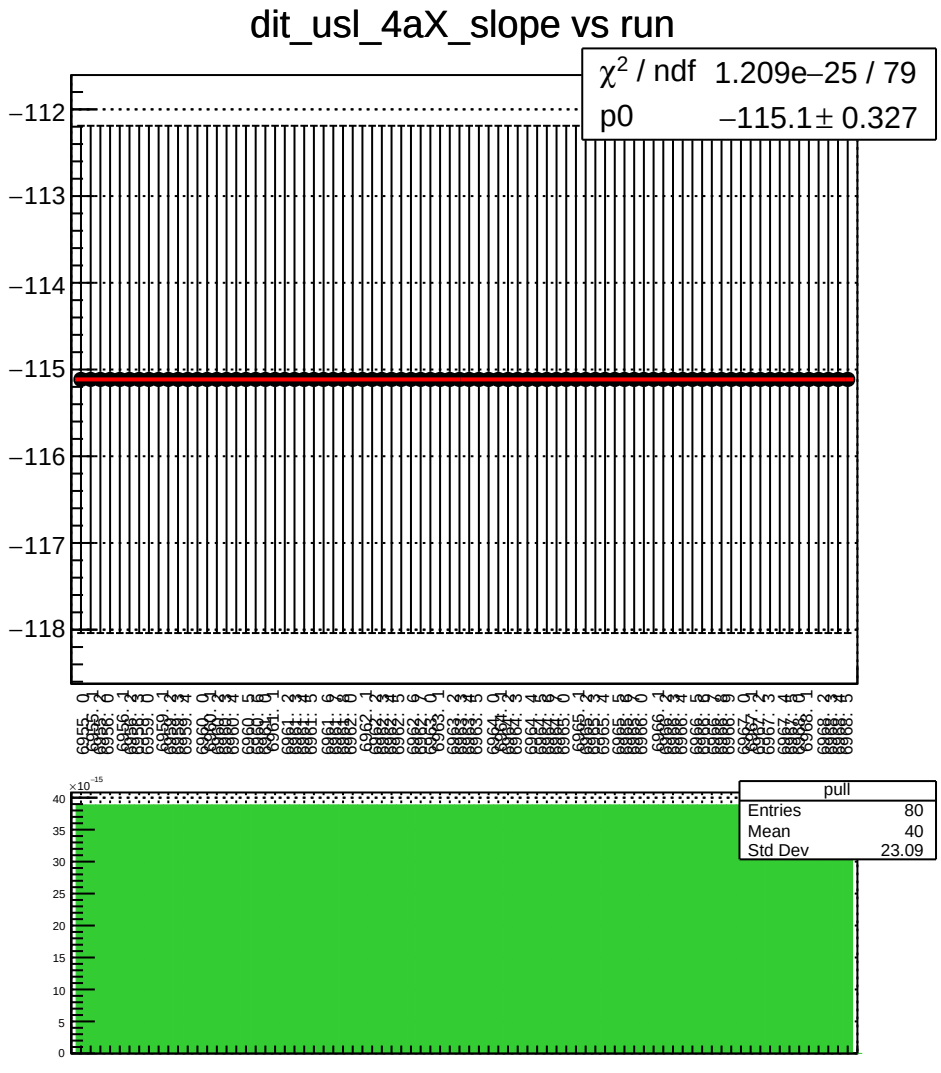

pull1D
Entries 80
Mean 0.01338
Std Dev 0.984

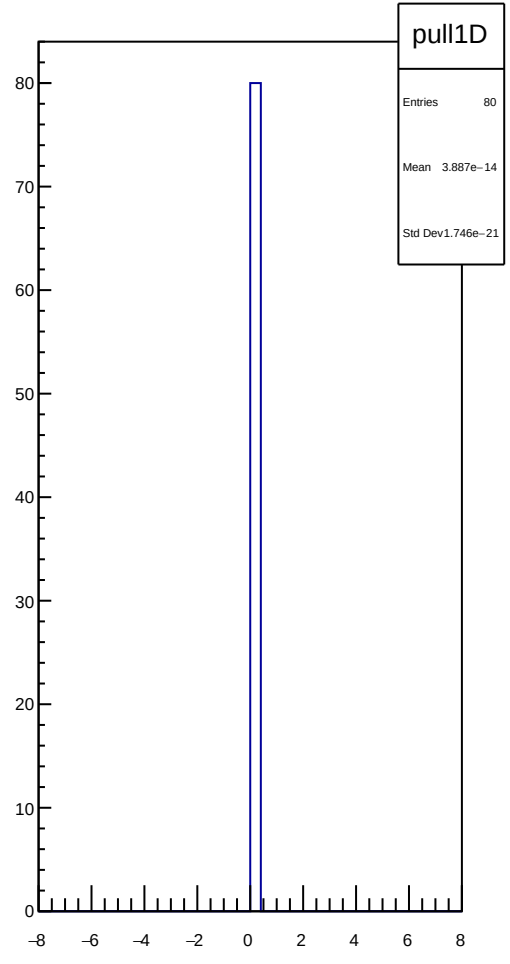

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 9550 / 79
p0 701.3 ± 0.5626
950
900
850
800
750
700
650
600

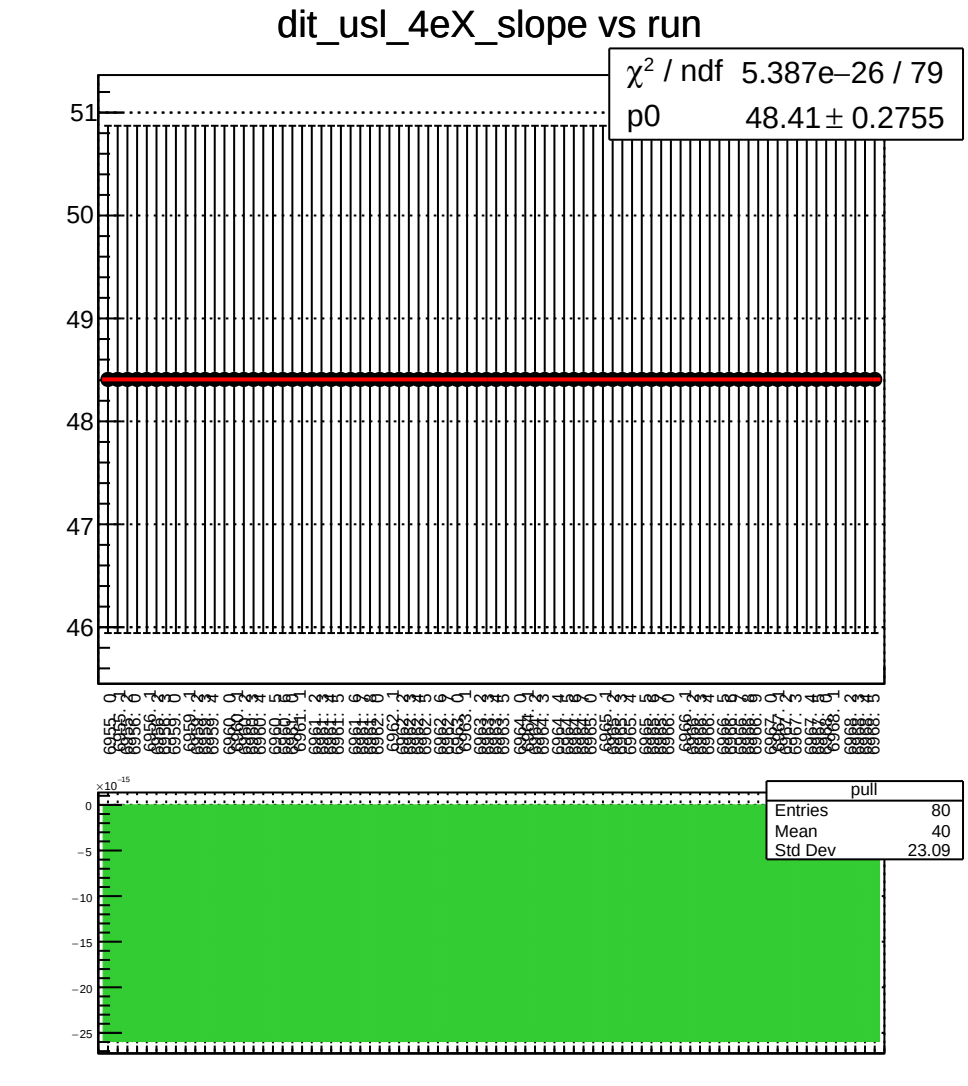

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.44 / 79
p0 449.4 ± 797
pull
Entries 80
Mean 42.24
Std Dev 23.84

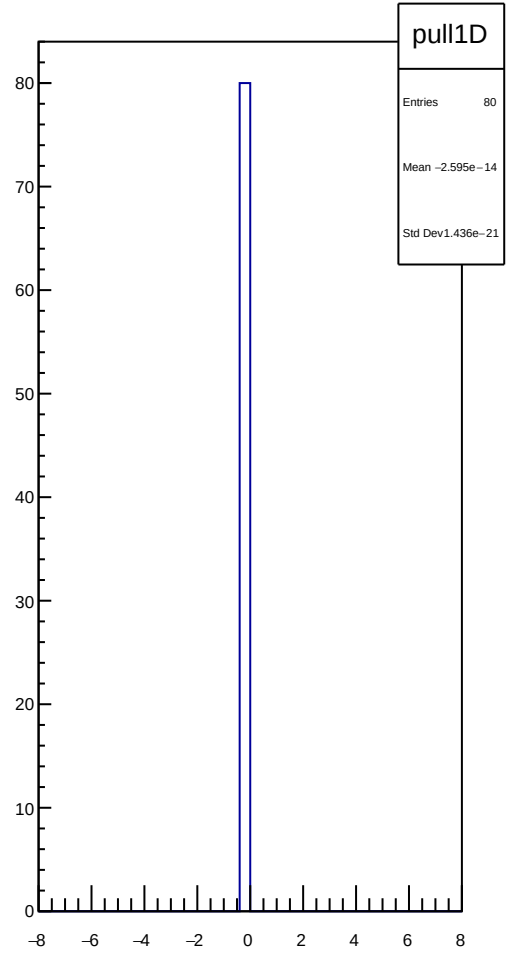

pull1D
Entries 80
Mean −0.01454
Std Dev 1.003

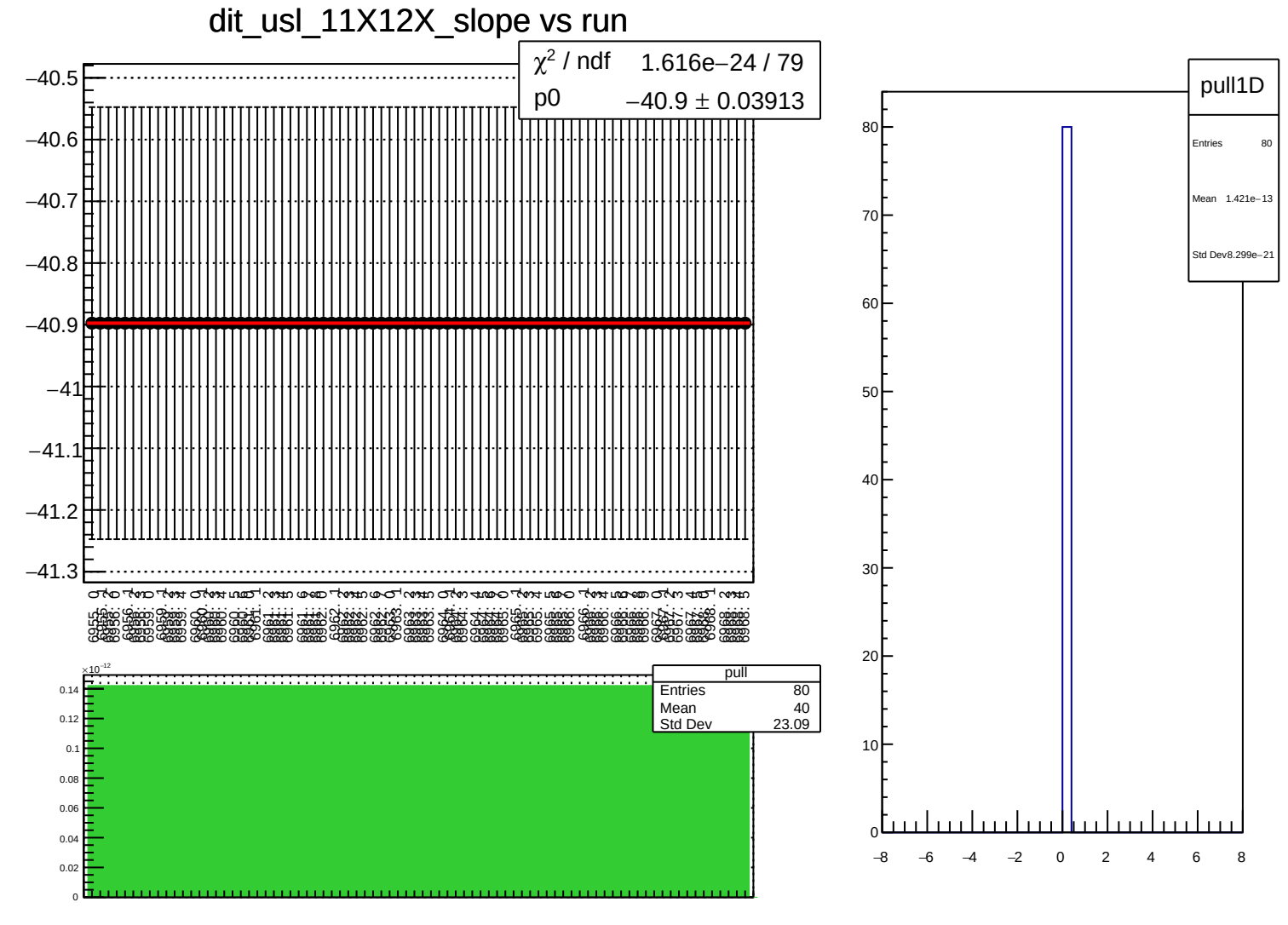

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.219e+04 / 79
p0 701.8 ± 0.5635
1000
950
900
850
800
750
700
650
600

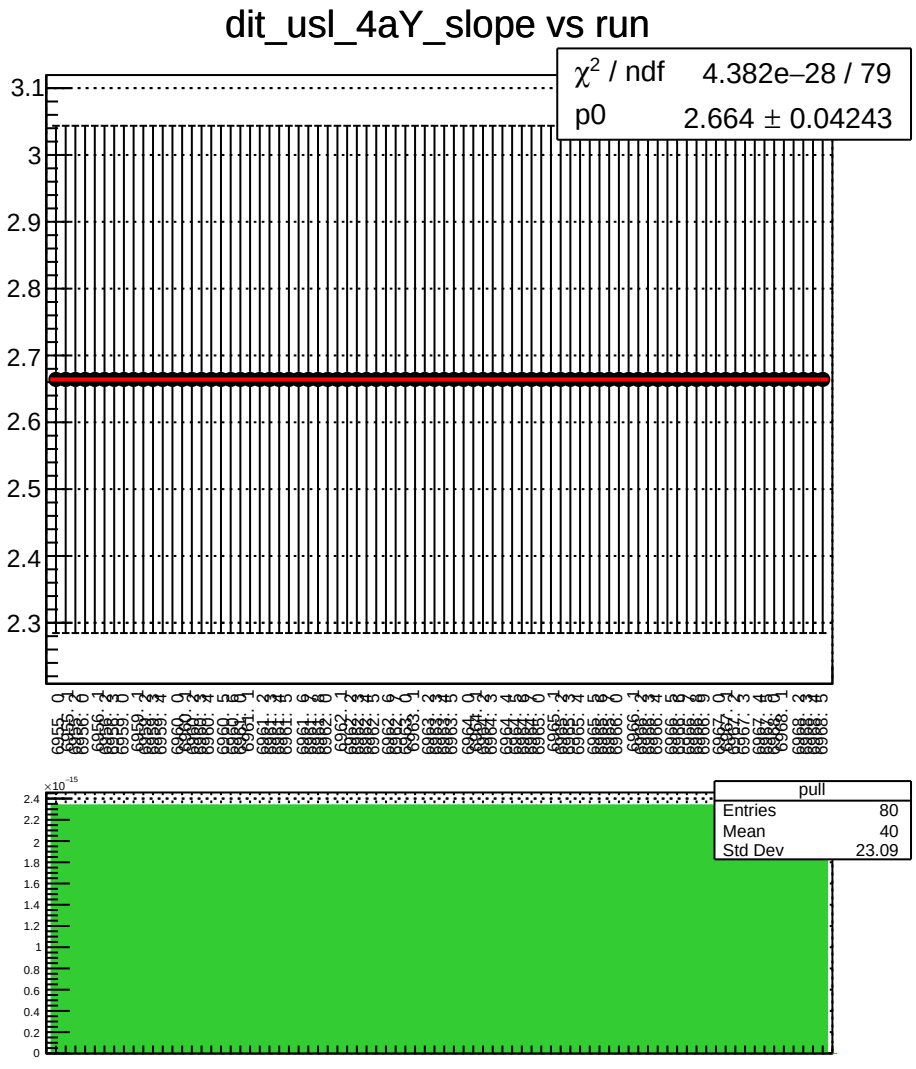

dit_usl_4aX_slope vs run
χ² / ndf 1.209e−25 / 79
p0 −115.1 ± 0.327
−112
−113
−114
−115
−116
−117
−118
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

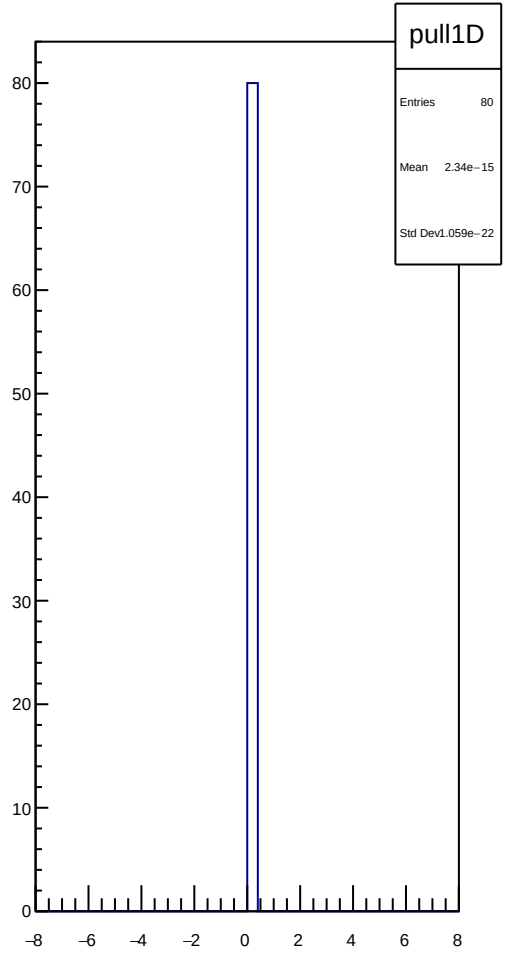

pull1D
Entries 80
Mean 3.887e−14
Std Dev 1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

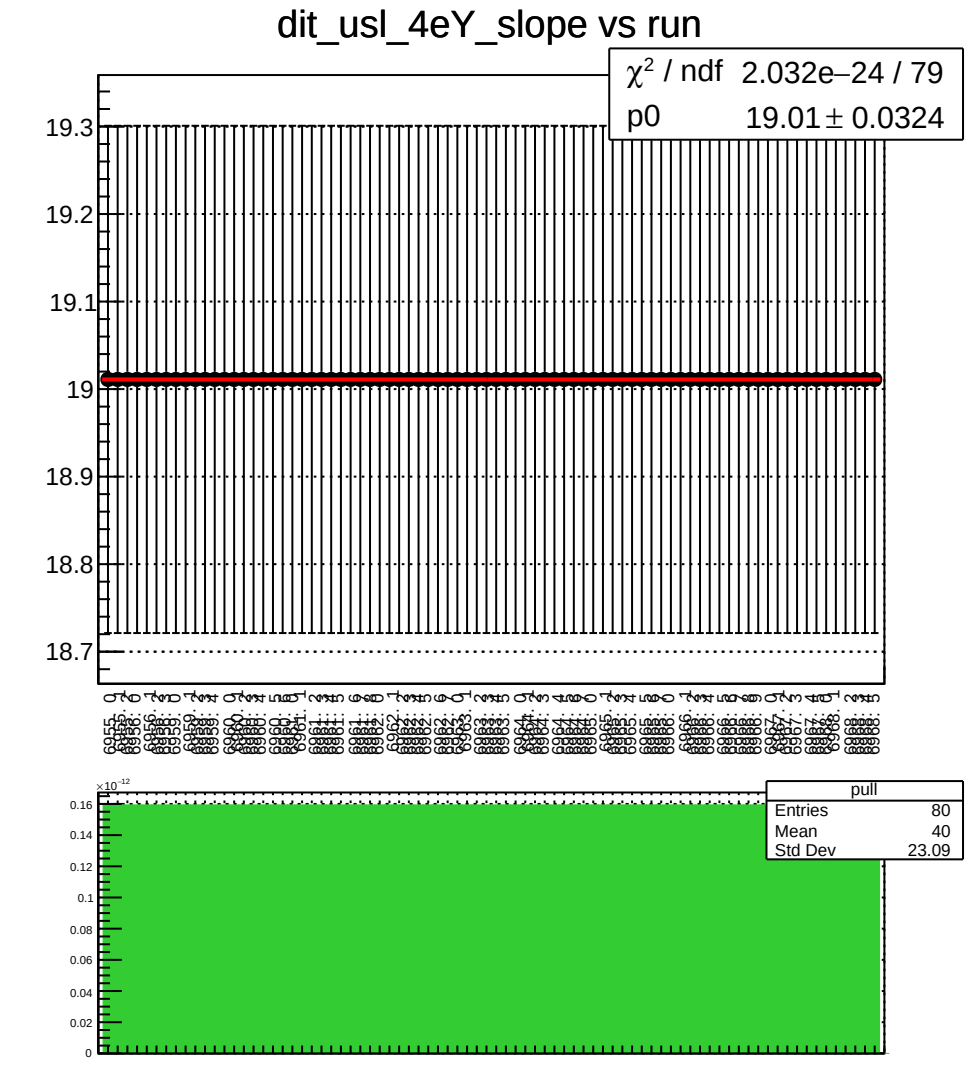

dit_usl_4eX_slope vs run
χ² / ndf 5.387e−26 / 79
p0 48.41 ± 0.2755
pull
Entries 80
Mean 40
Std Dev 23.09

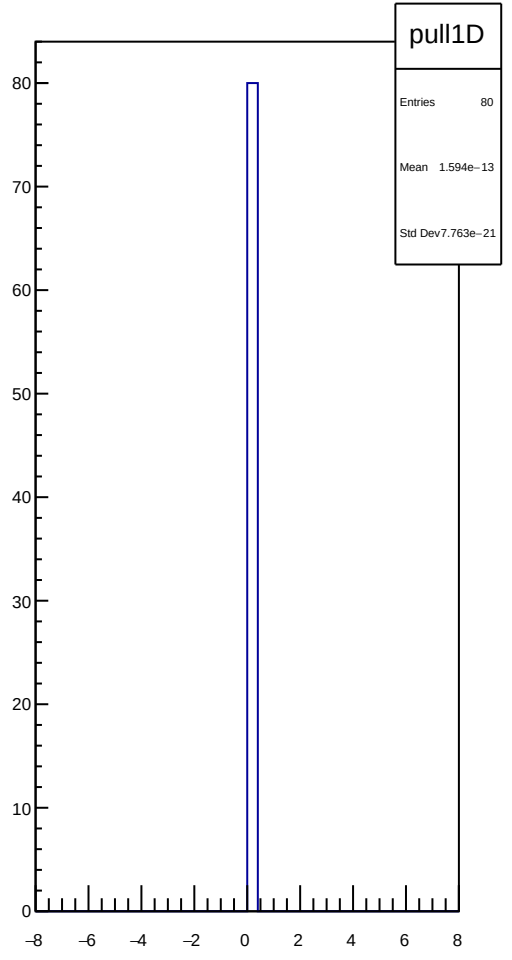

pull1D
Entries 80
Mean −2.595e−14
Std Dev1.436e−21

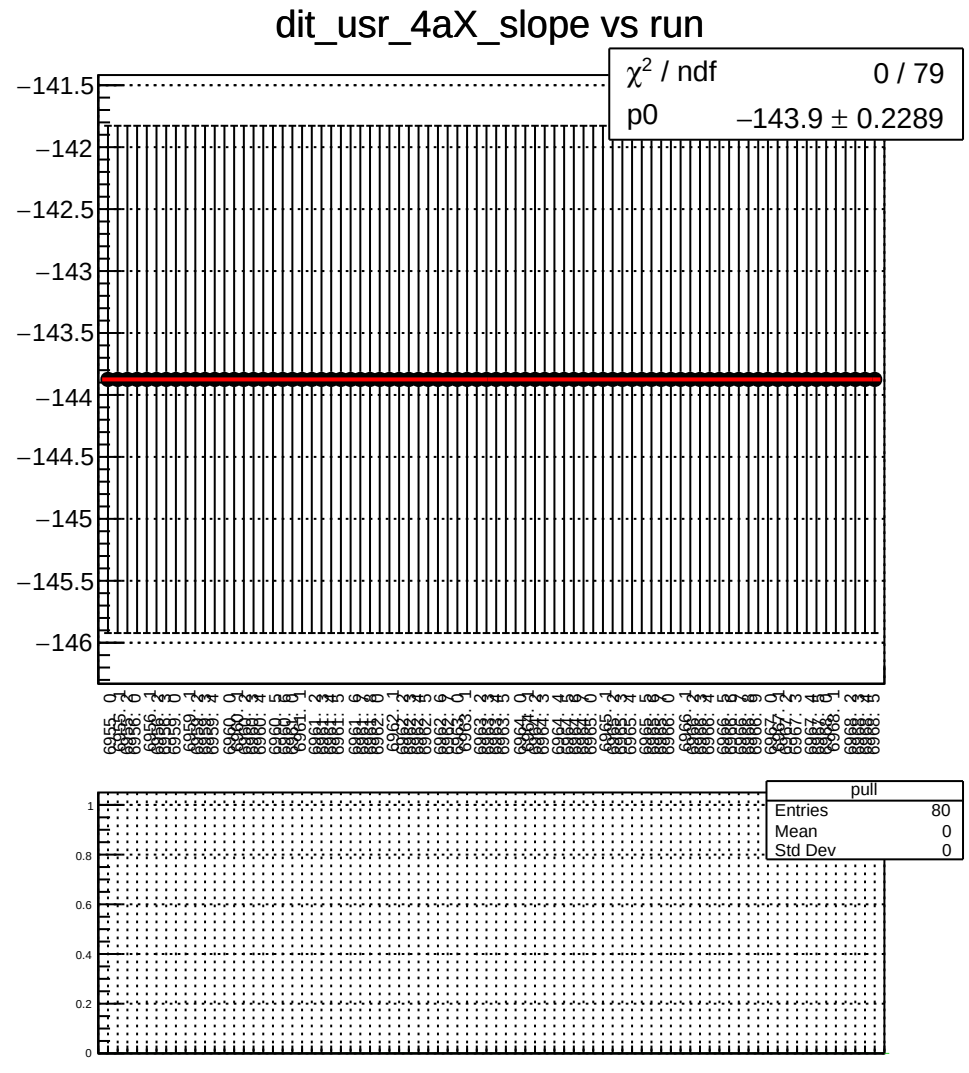

dit_usl_11X12X_slope vs run
χ² / ndf 1.616e−24 / 79
p0 −40.9 ± 0.03913
−40.5
−40.6
−40.7
−40.8
−40.9
−41
−41.1
−41.2
−41.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.421e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

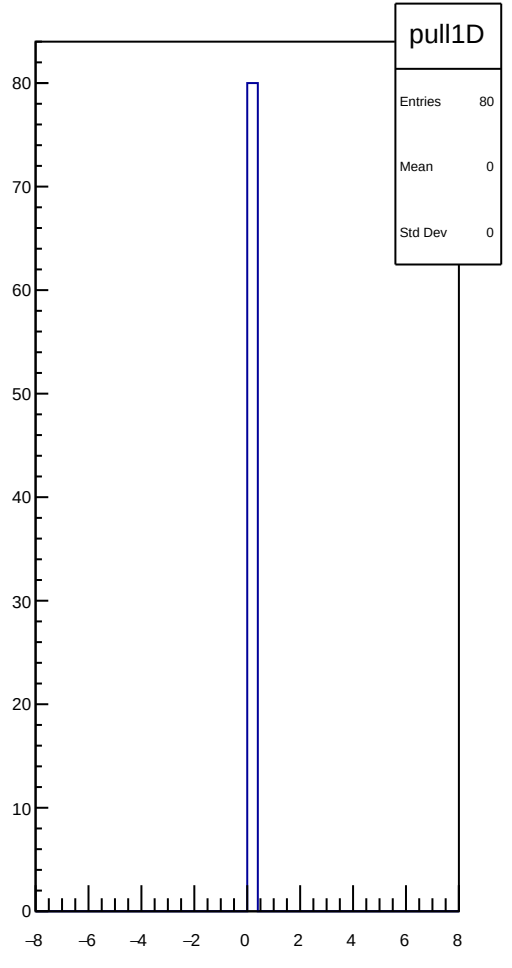

dit_usl_4aY_slope vs run
χ² / ndf 4.382e−28 / 79
p0 2.664 ± 0.04243
pull
Entries 80
Mean 40
Std Dev 23.09

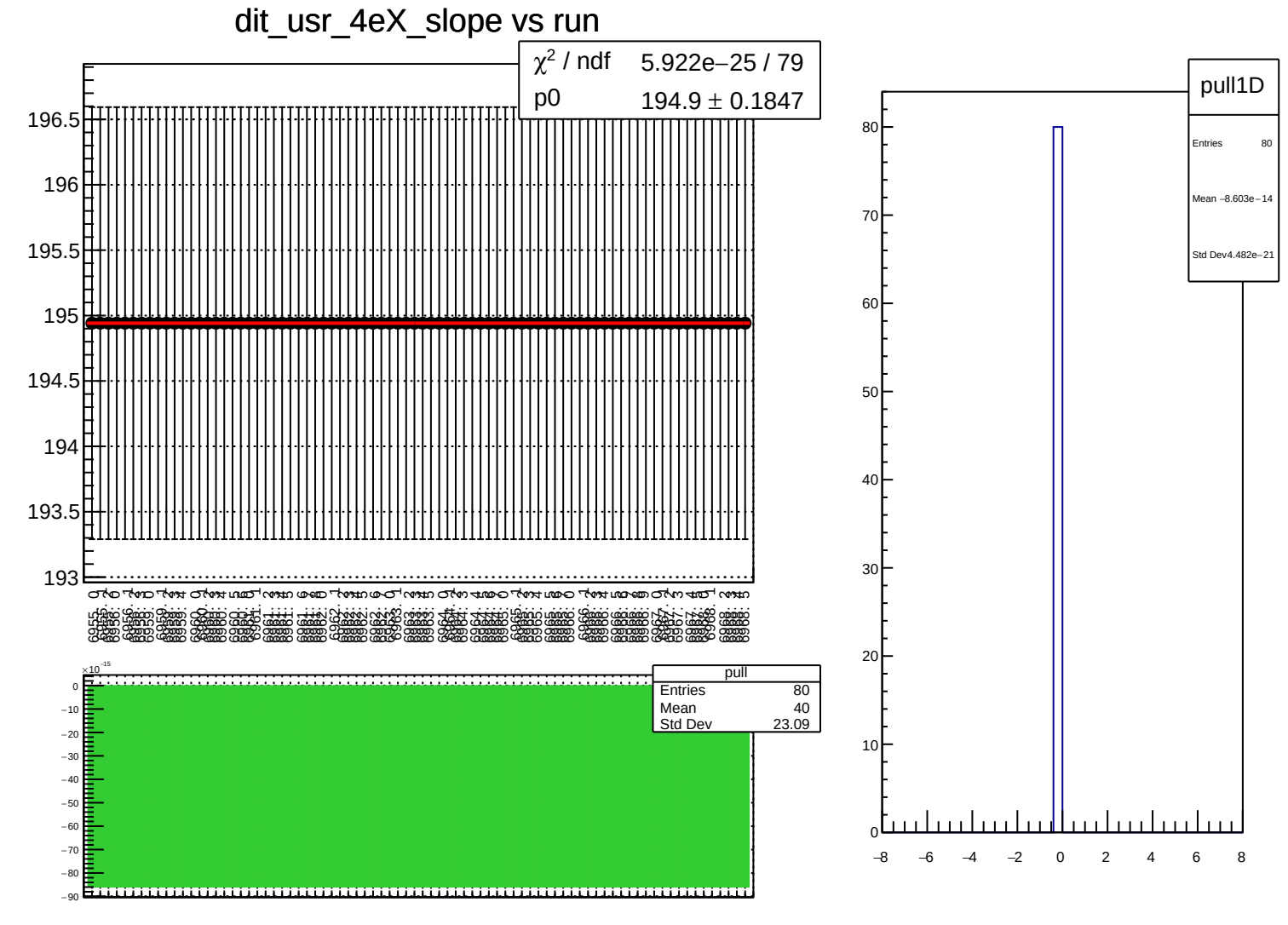

pull1D
Entries 80
Mean 2.34e−15
Std Dev1.059e−22

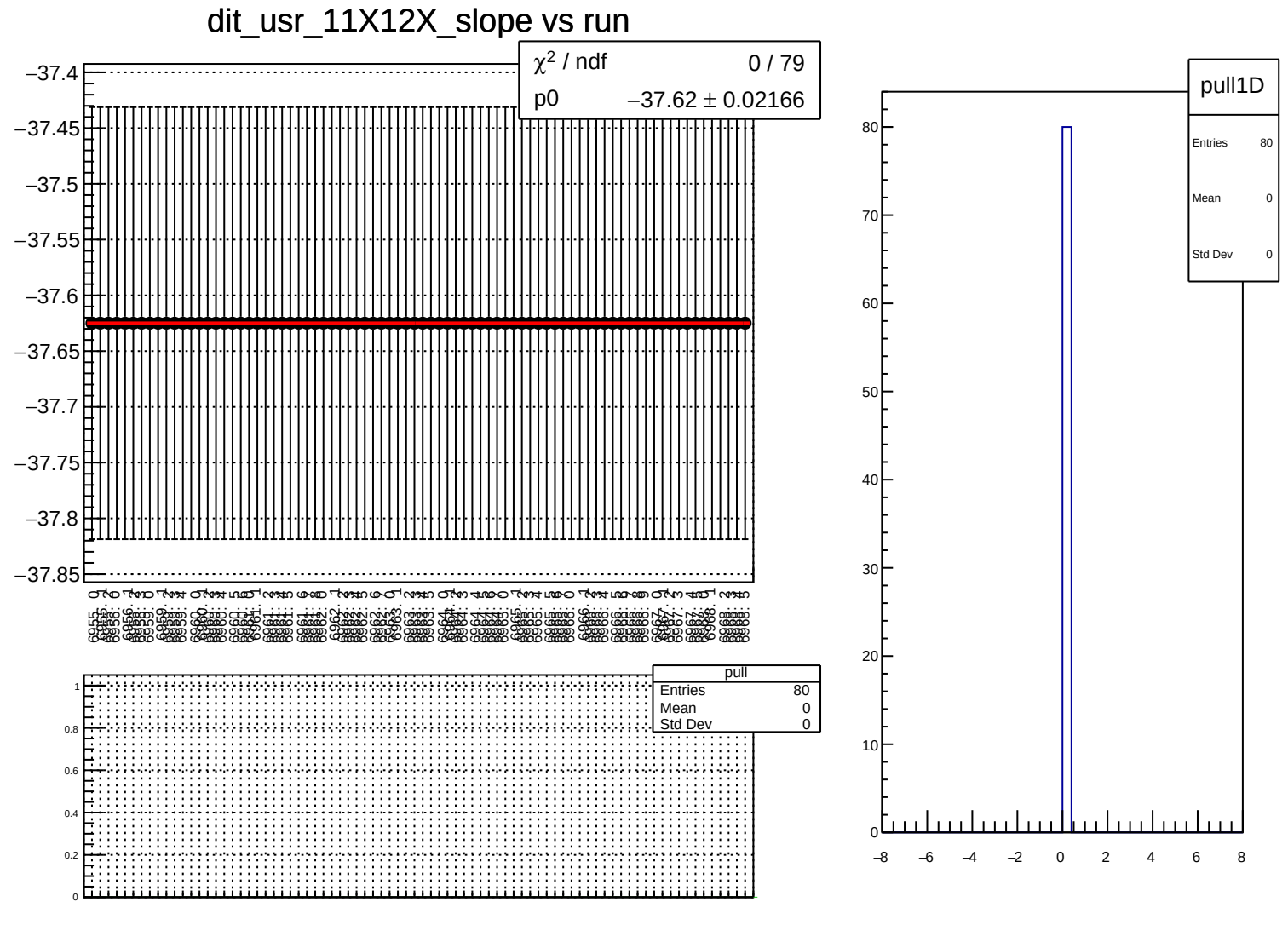

dit_usl_4eY_slope vs run
χ² / ndf 2.032e−24 / 79
p0 19.01 ± 0.0324
19.3
19.2
19.1
19
18.9
18.8
18.7
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

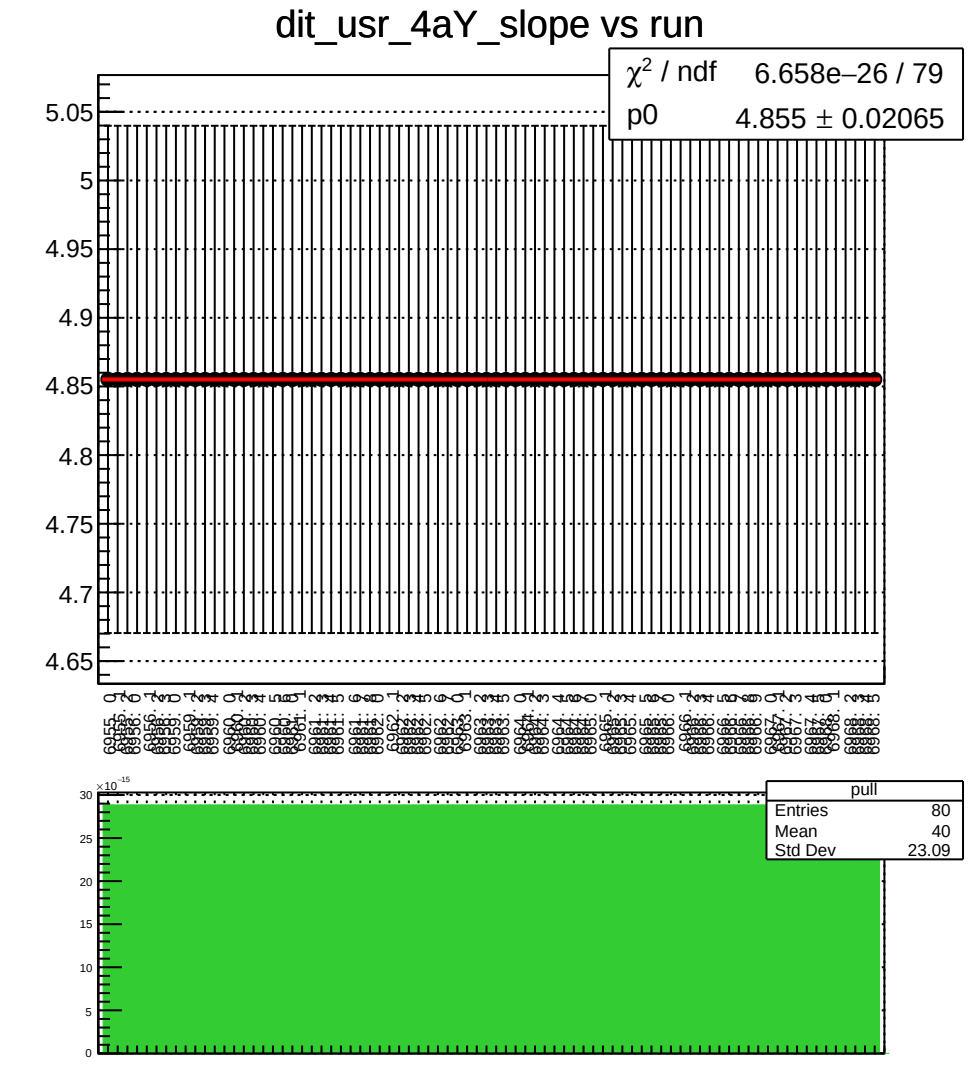

pull1D
Entries 80
Mean 1.594e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

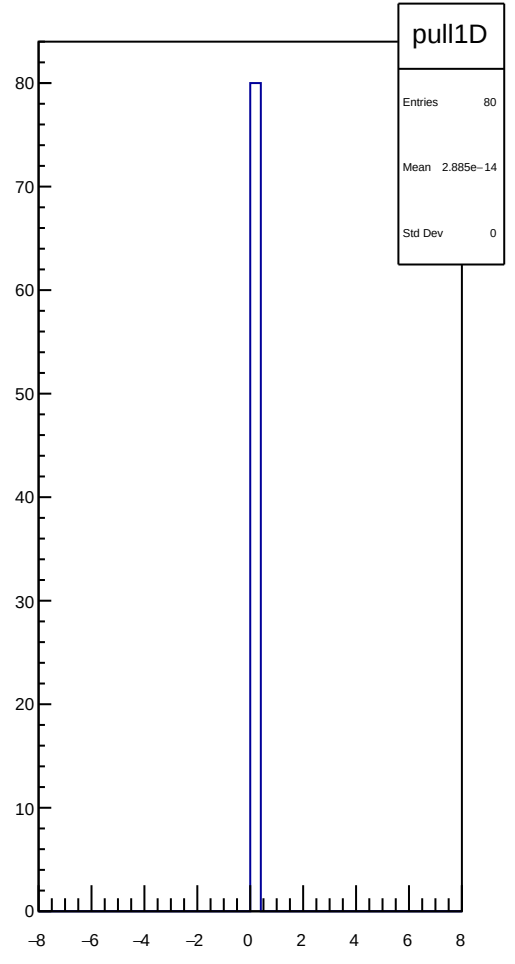

dit_usr_4aX_slope vs run
χ² / ndf 0 / 79
p0 −143.9 ± 0.2289
−141.5
−142
−142.5
−143
−143.5
−144
−144.5
−145
−145.5
−146
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

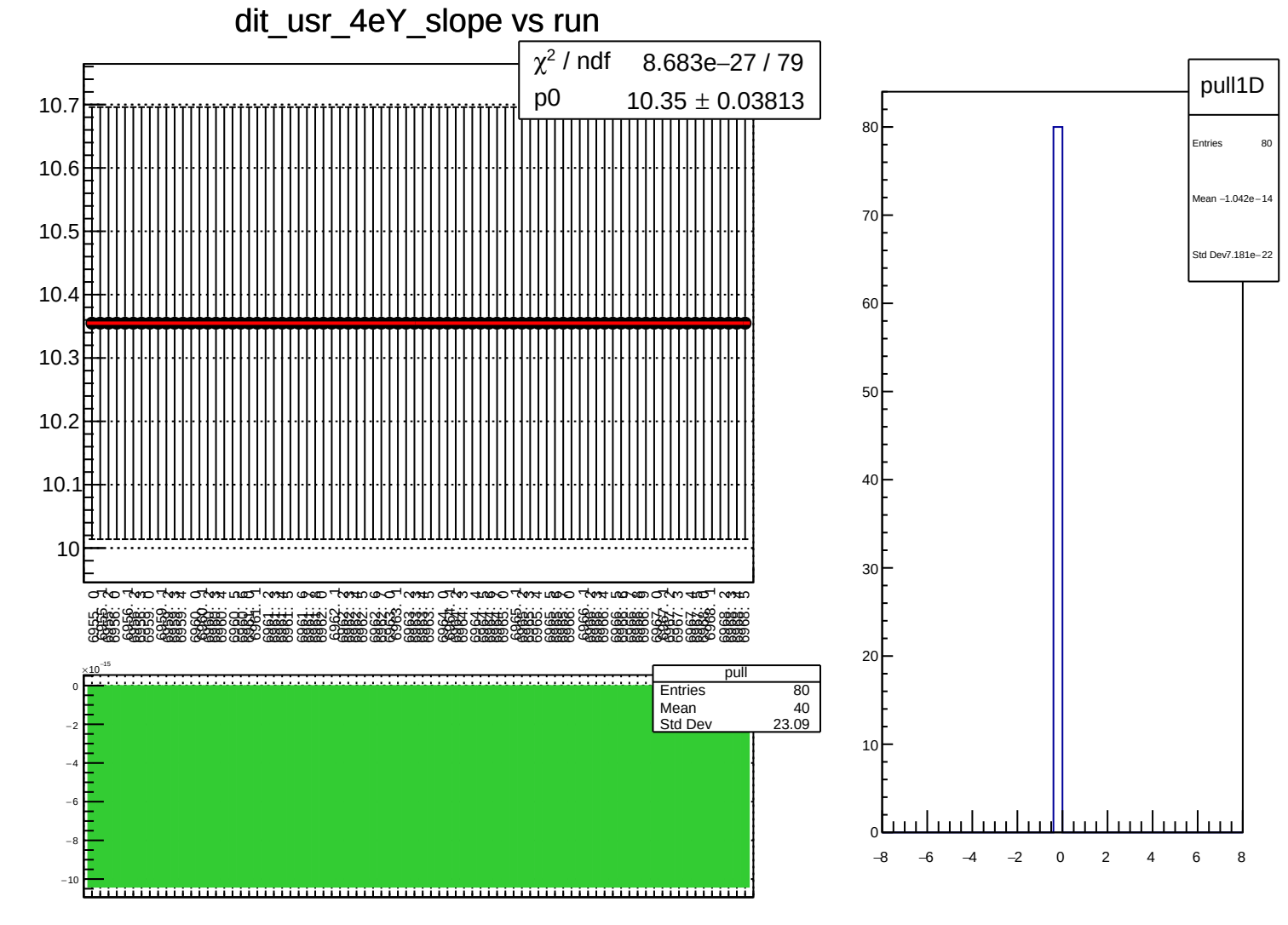

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

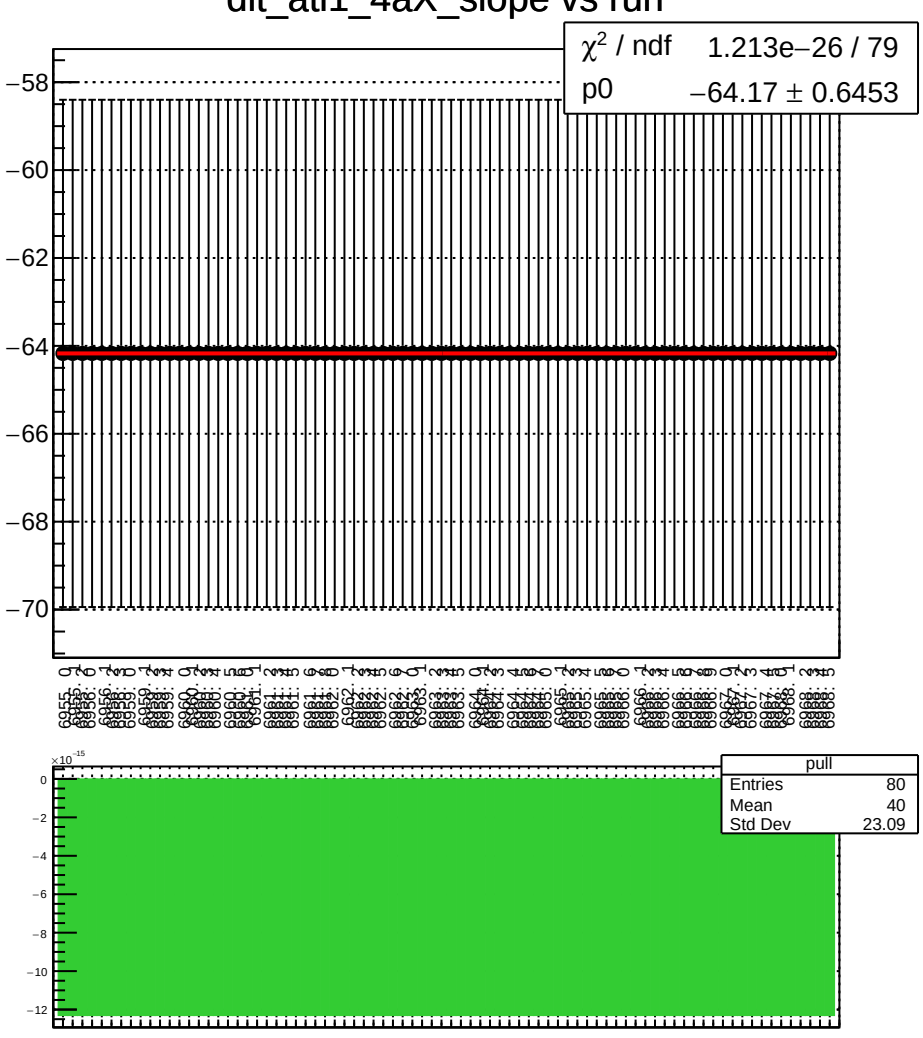

dit_usr_4eX_slope vs run
χ² / ndf 5.922e−25 / 79
p0 194.9 ± 0.1847
196.5
196
195.5
195
194.5
194
193.5
193
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 80
Mean −8.603e−14
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

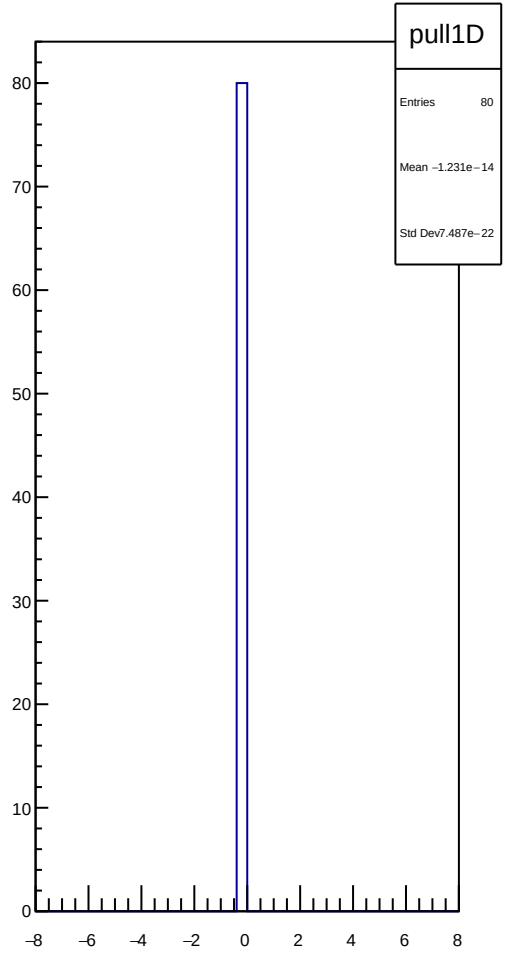

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 79
p0 −37.62 ± 0.02166
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
−37.7
−37.75
−37.8
−37.85
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

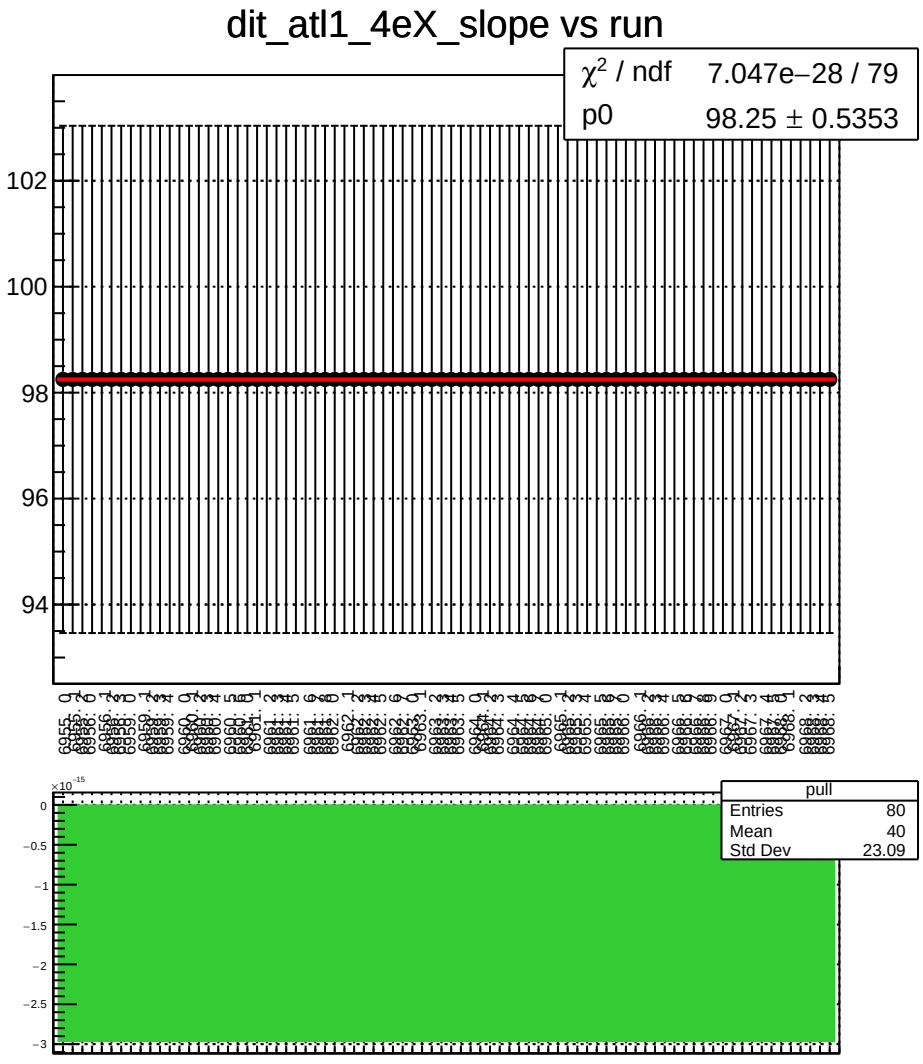

dit_usr_4aY_slope vs run
χ² / ndf 6.658e−26 / 79
p0 4.855 ± 0.02065
5.05
5
4.95
4.9
4.85
4.8
4.75
4.7
4.65
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
30
25
20
15
10
5
0

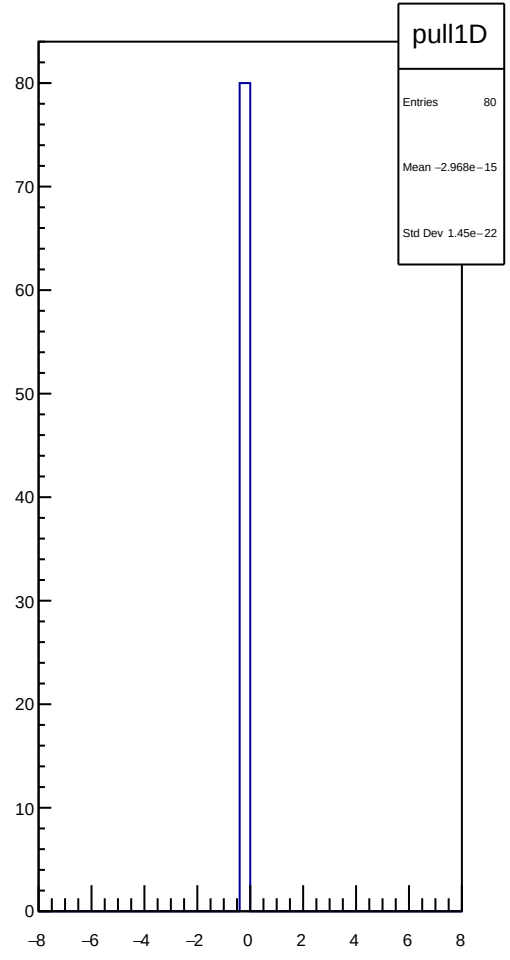

pull1D
Entries 80
Mean 2.885e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

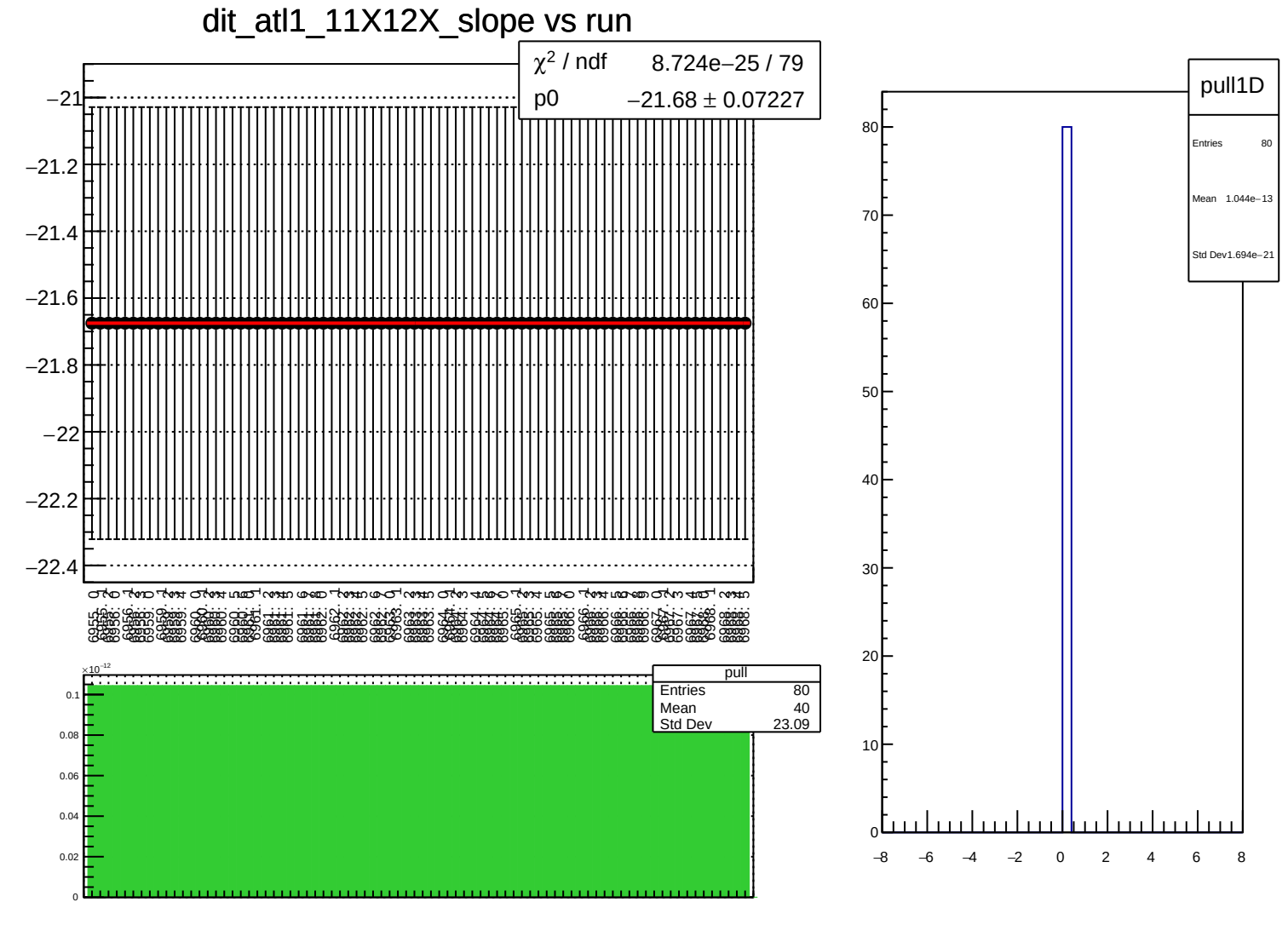

dit_usr_4eY_slope vs run
χ² / ndf 8.683e−27 / 79
p0 10.35 ± 0.03813
10.7
10.6
10.5
10.4
10.3
10.2
10.1
10
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 80
Mean −1.042e−14
Std Dev7.181e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

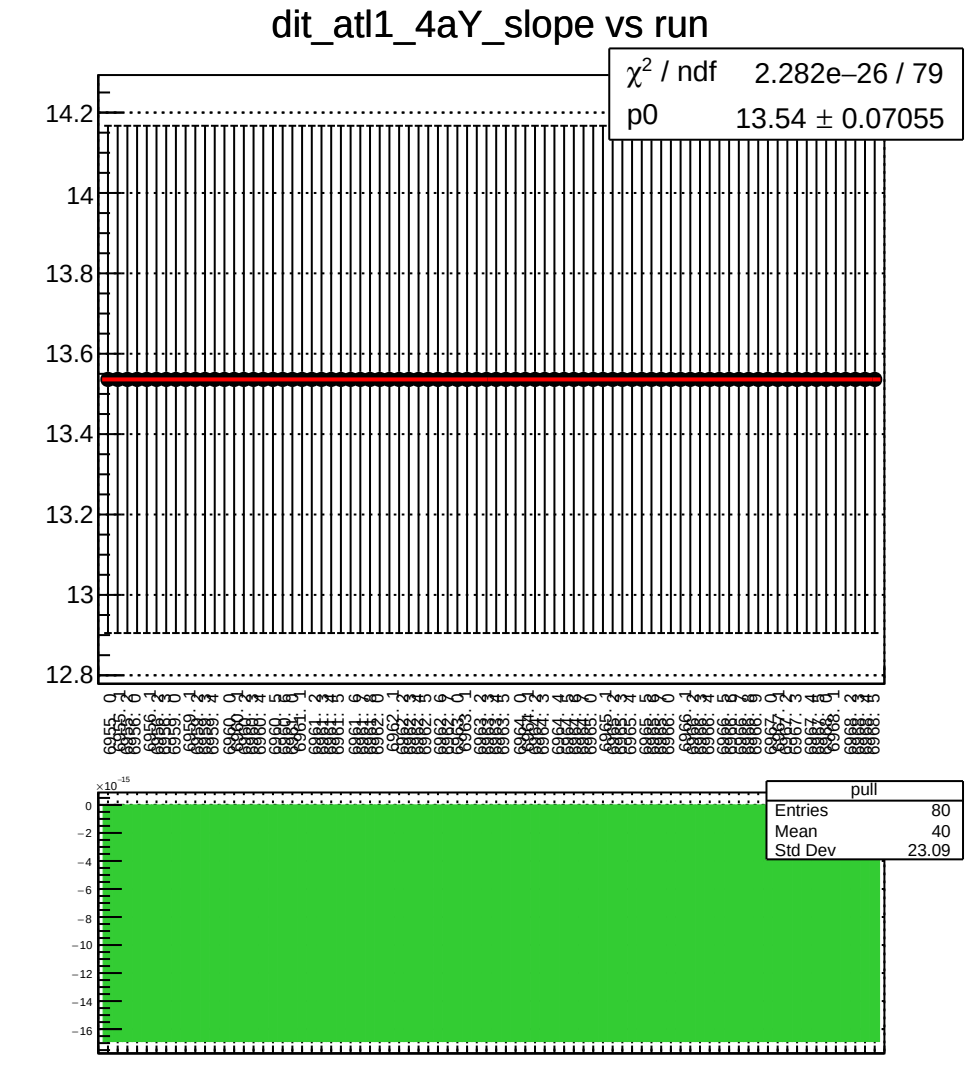

dit_atl1_4aX_slope vs run
χ² / ndf 1.213e−26 / 79
p0 −64.17 ± 0.6453
−58
−60
−62
−64
−66
−68
−70
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

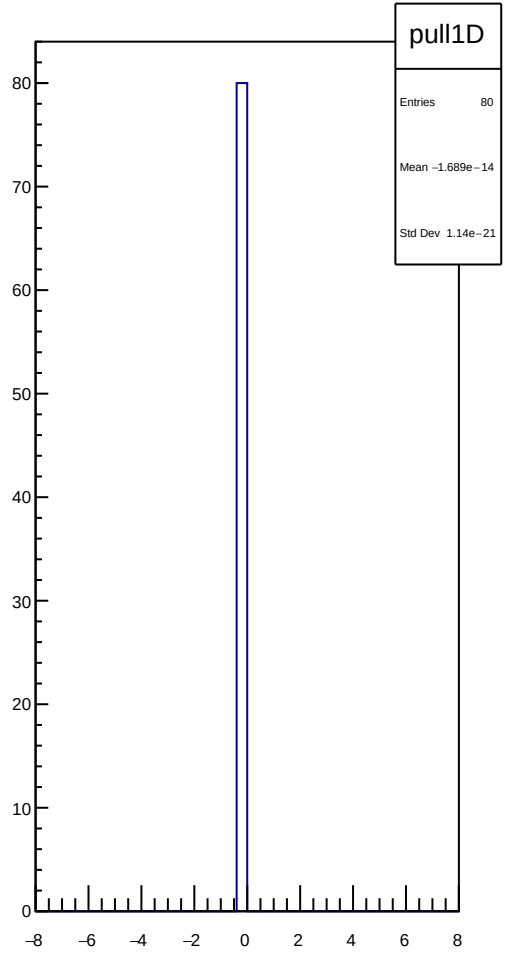

pull1D
Entries 80
Mean −1.231e−14
Std Dev7.487e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

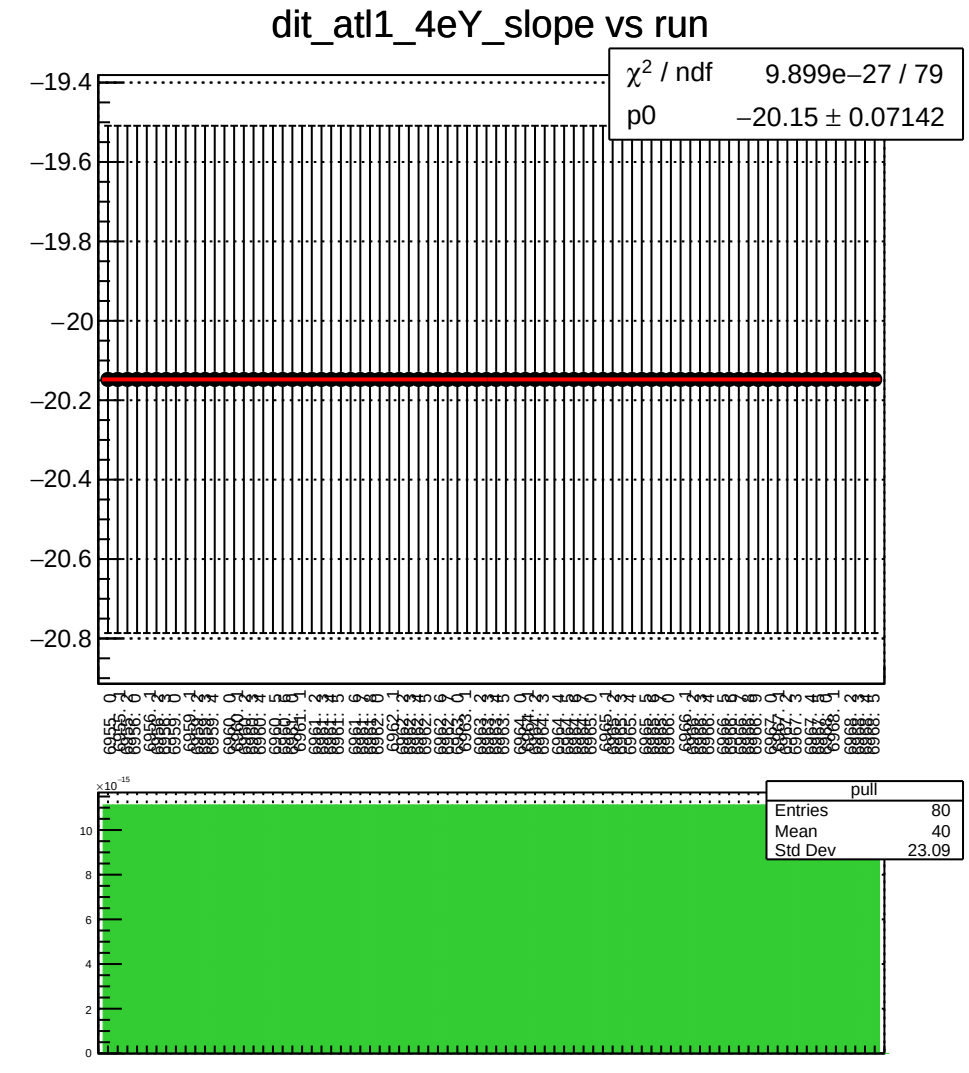

dit_atl1_4eX_slope vs run
χ² / ndf 7.047e−28 / 79
p0 98.25 ± 0.5353
102
100
98
96
94
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

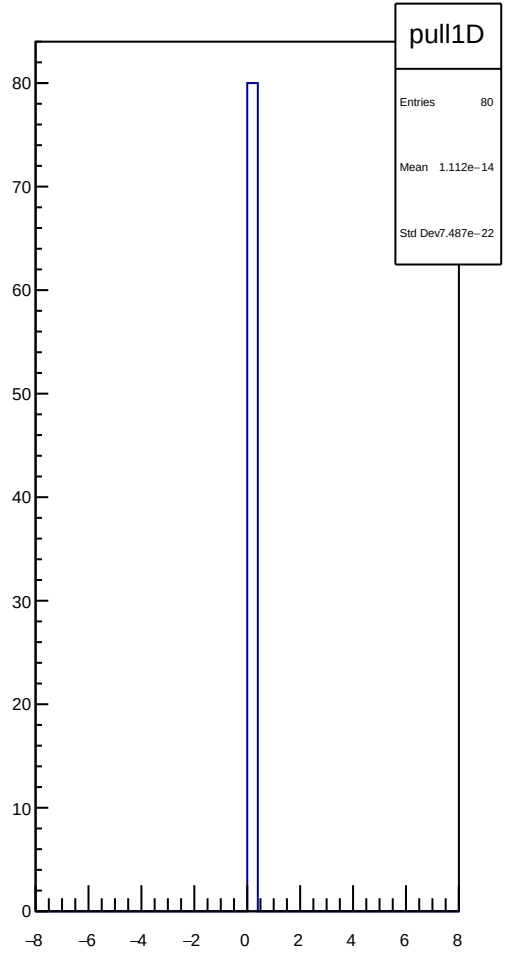

pull1D
Entries 80
Mean −2.968e−15
Std Dev 1.45e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

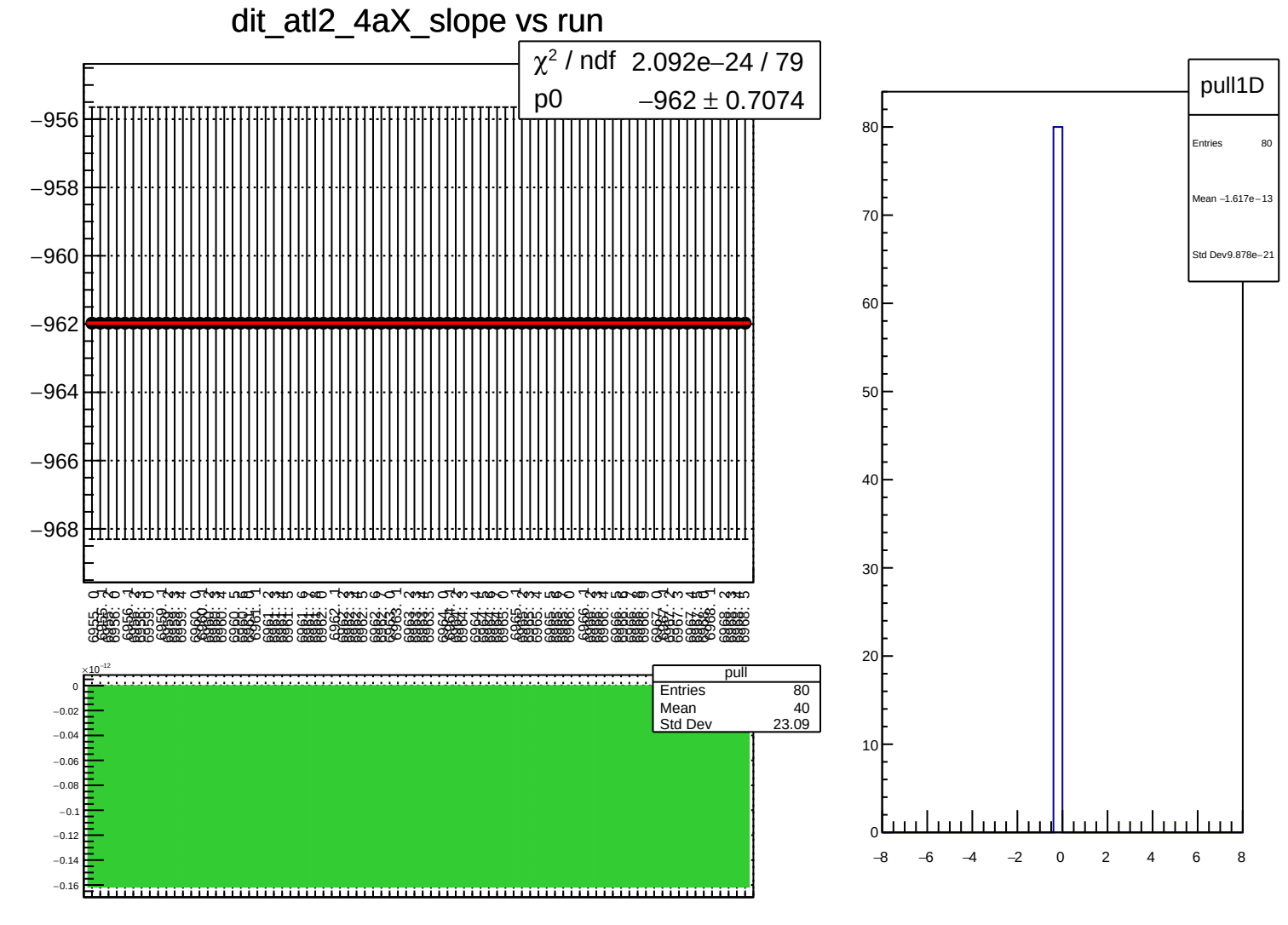

dit_atl1_11X12X_slope vs run
χ² / ndf 8.724e−25 / 79
p0 −21.68 ± 0.07227
−21
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.044e−13
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

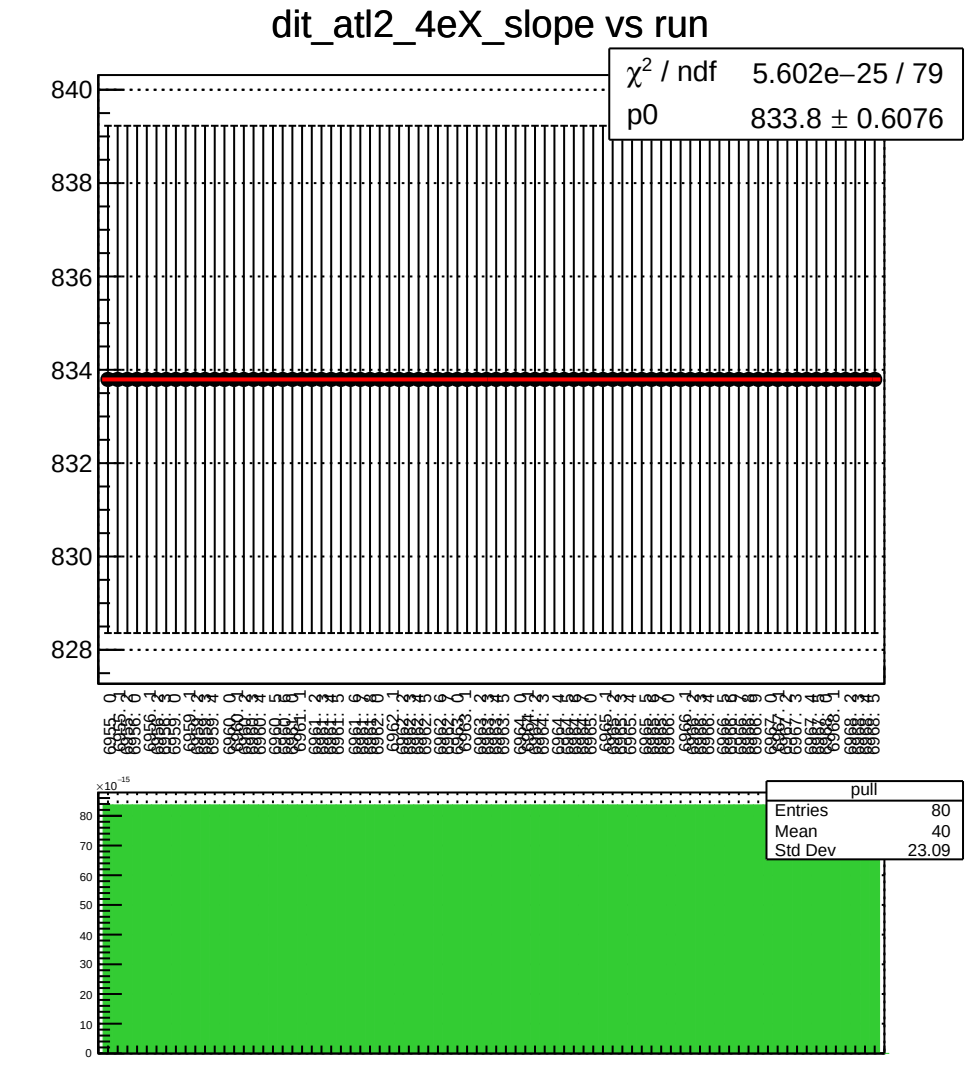

dit_atl1_4aY_slope vs run
χ² / ndf 2.282e−26 / 79
p0 13.54 ± 0.07055
14.2
14
13.8
13.6
13.4
13.2
13
12.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

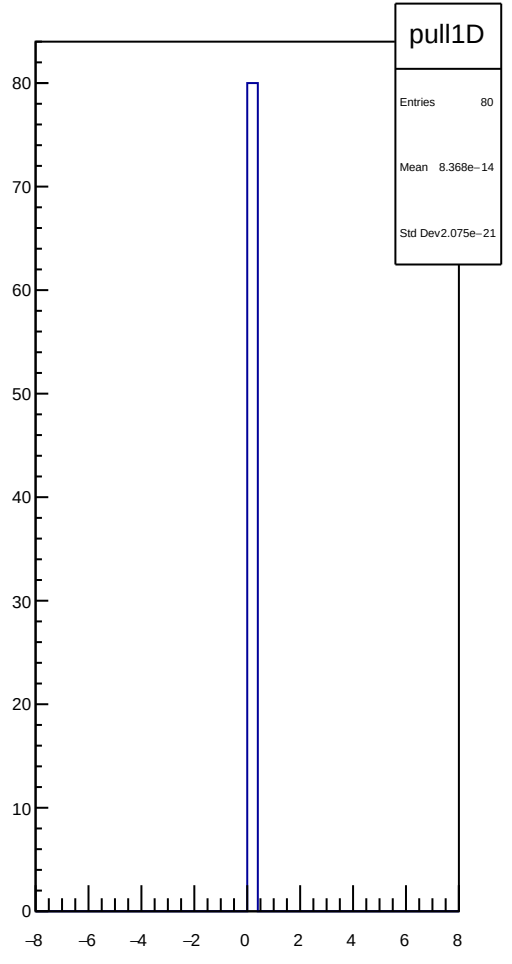

pull1D
Entries 80
Mean −1.689e−14
Std Dev 1.14e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

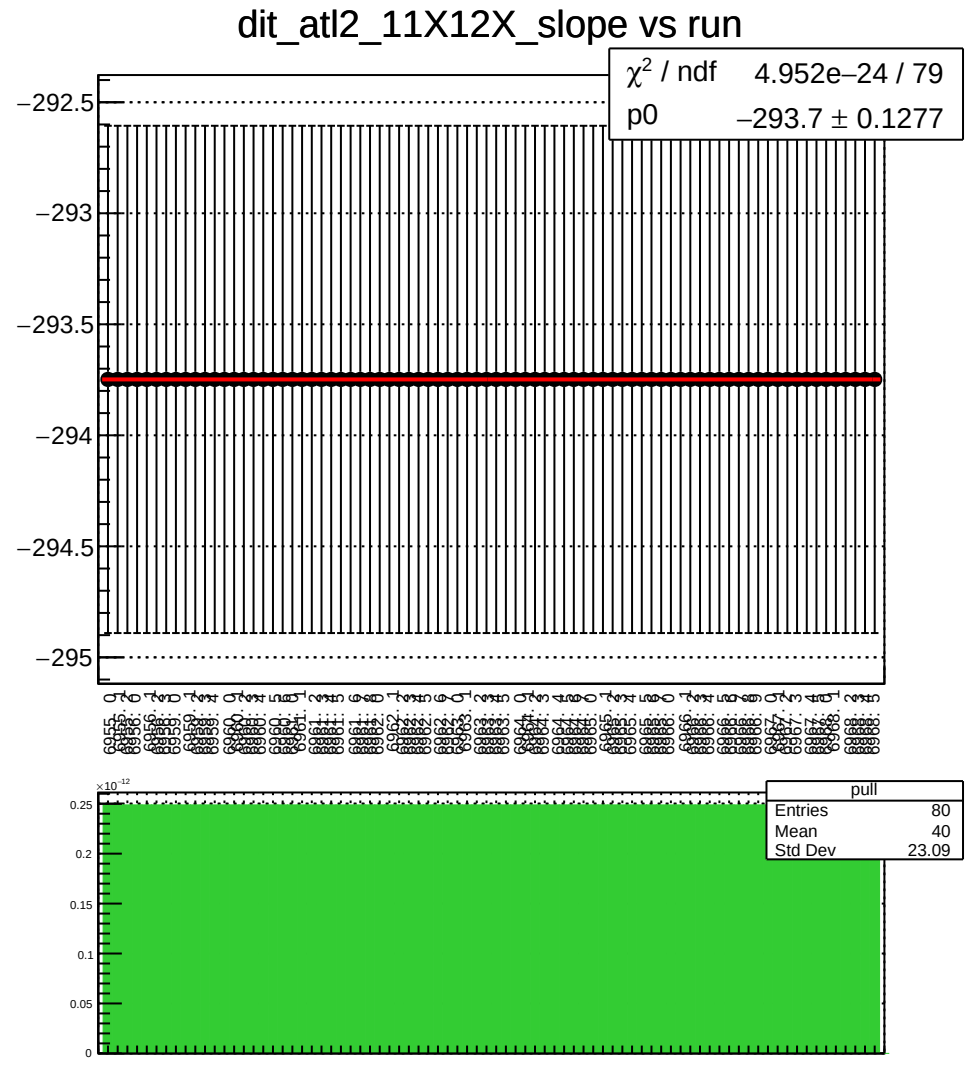

dit_atl1_4eY_slope vs run
χ² / ndf 9.899e−27 / 79
p0 −20.15 ± 0.07142
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
−20.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
10
8
6
4
2
0

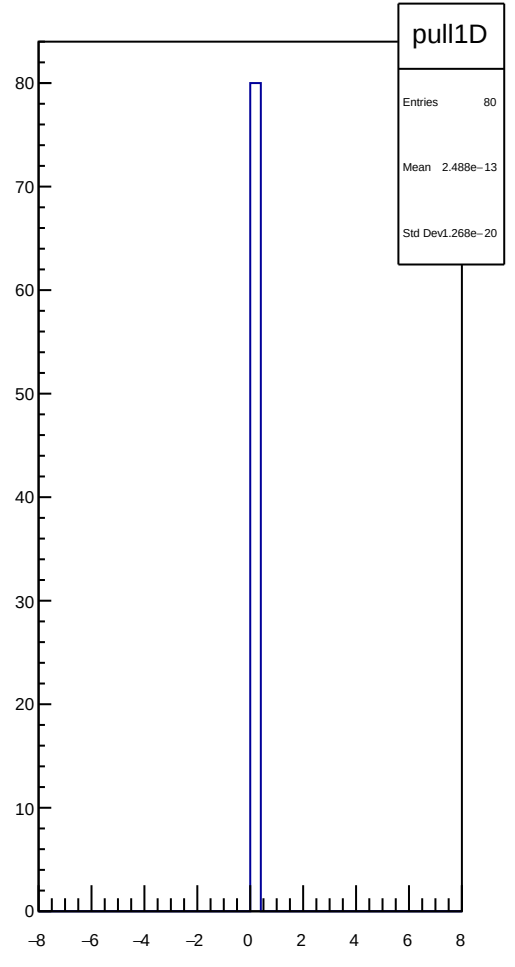

pull1D
Entries 80
Mean 1.112e−14
Std Dev7.487e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

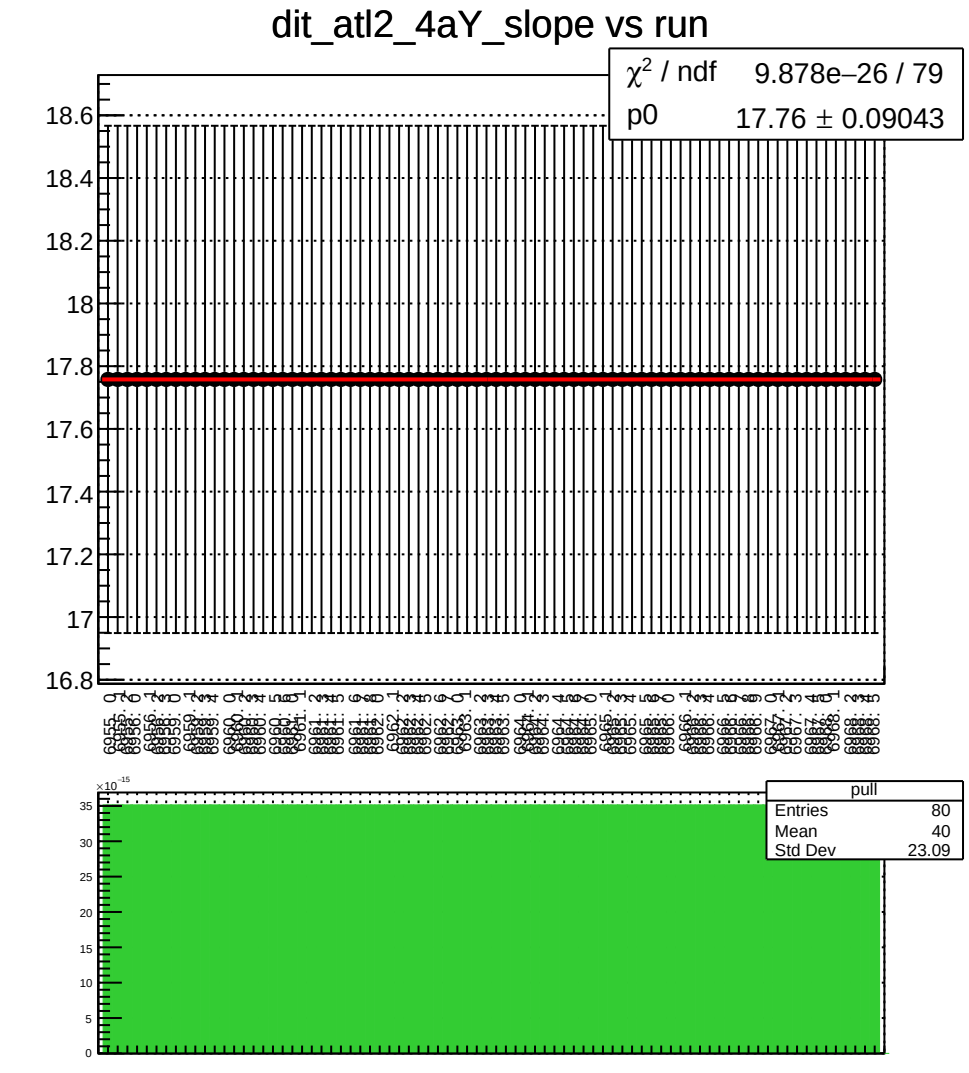

dit_atl2_4aX_slope vs run
χ² / ndf 2.092e−24 / 79
p0 −962 ± 0.7074
−956
−958
−960
−962
−964
−966
−968
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 80
Mean −1.617e−13
Std Dev9.878e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

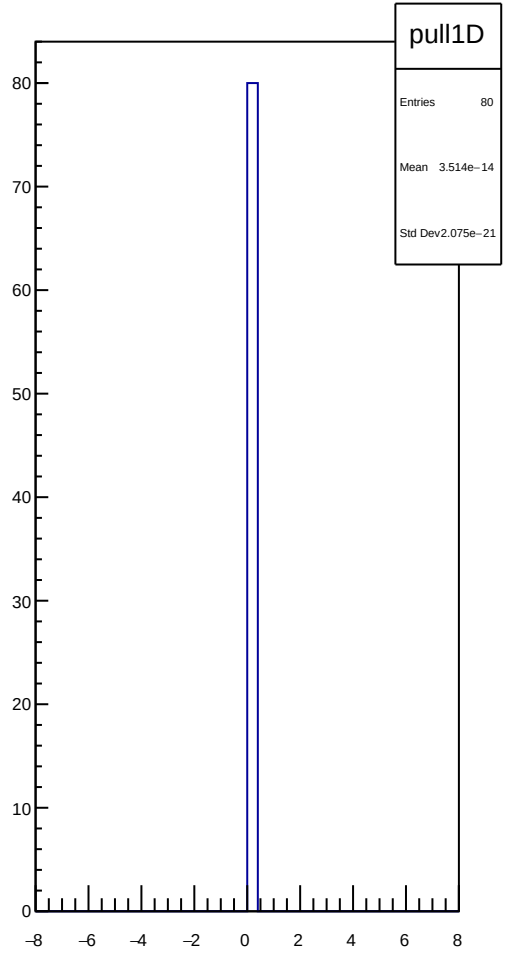

dit_atl2_4eX_slope vs run
χ² / ndf 5.602e−25 / 79
p0 833.8 ± 0.6076
840
838
836
834
832
830
828
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

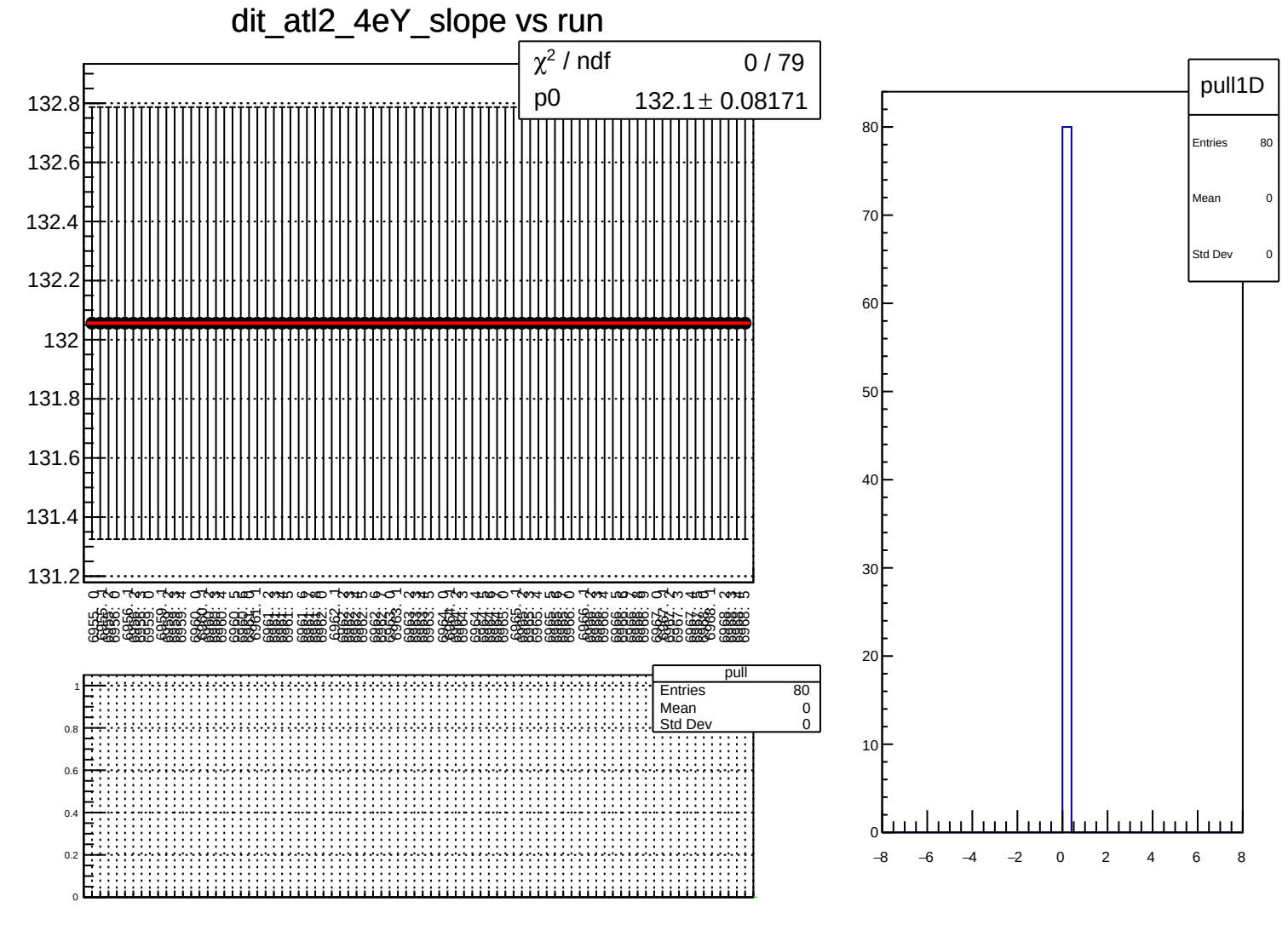

pull1D
Entries 80
Mean 8.368e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

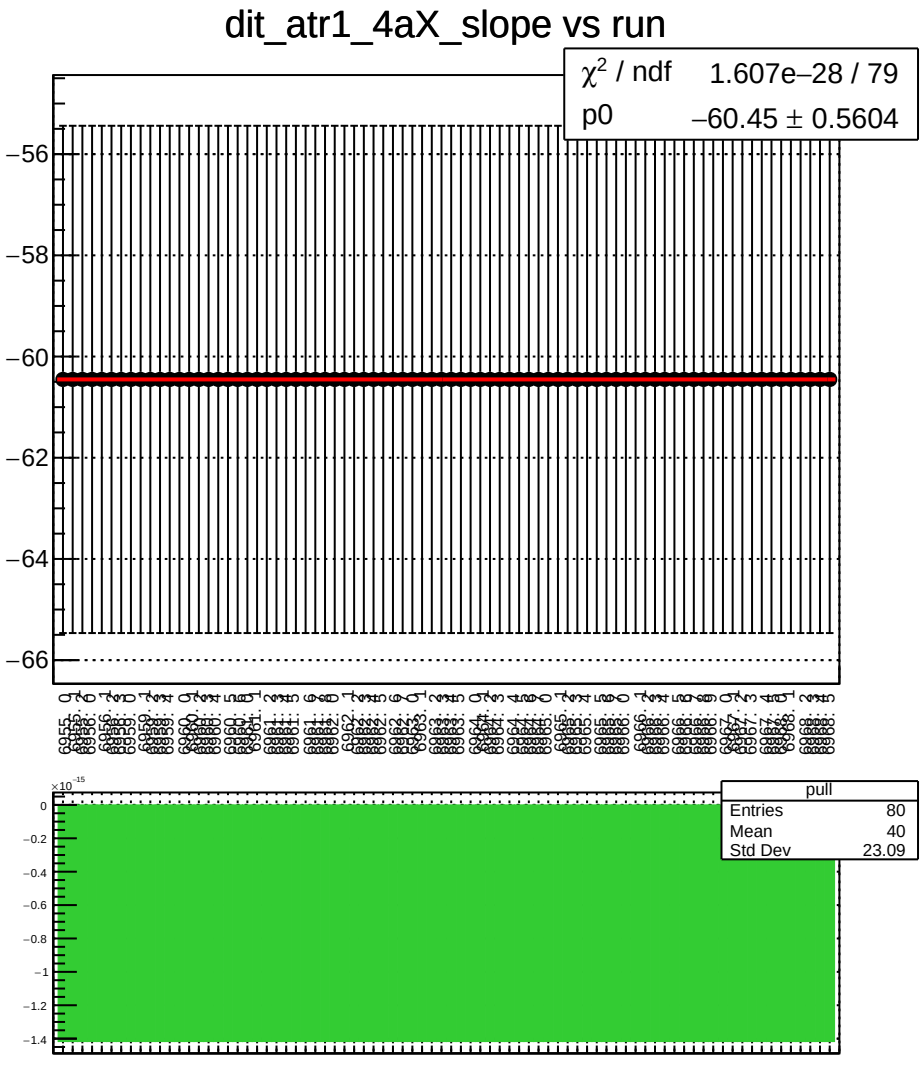

dit_atl2_11X12X_slope vs run
χ² / ndf 4.952e−24 / 79
p0 −293.7 ± 0.1277
−292.5
−293
−293.5
−294
−294.5
−295
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

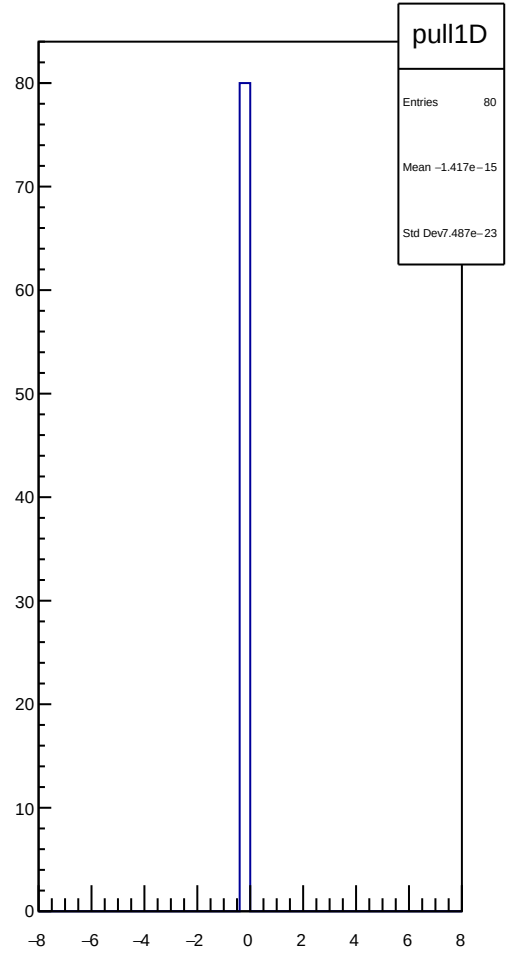

pull1D
Entries 80
Mean 2.488e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

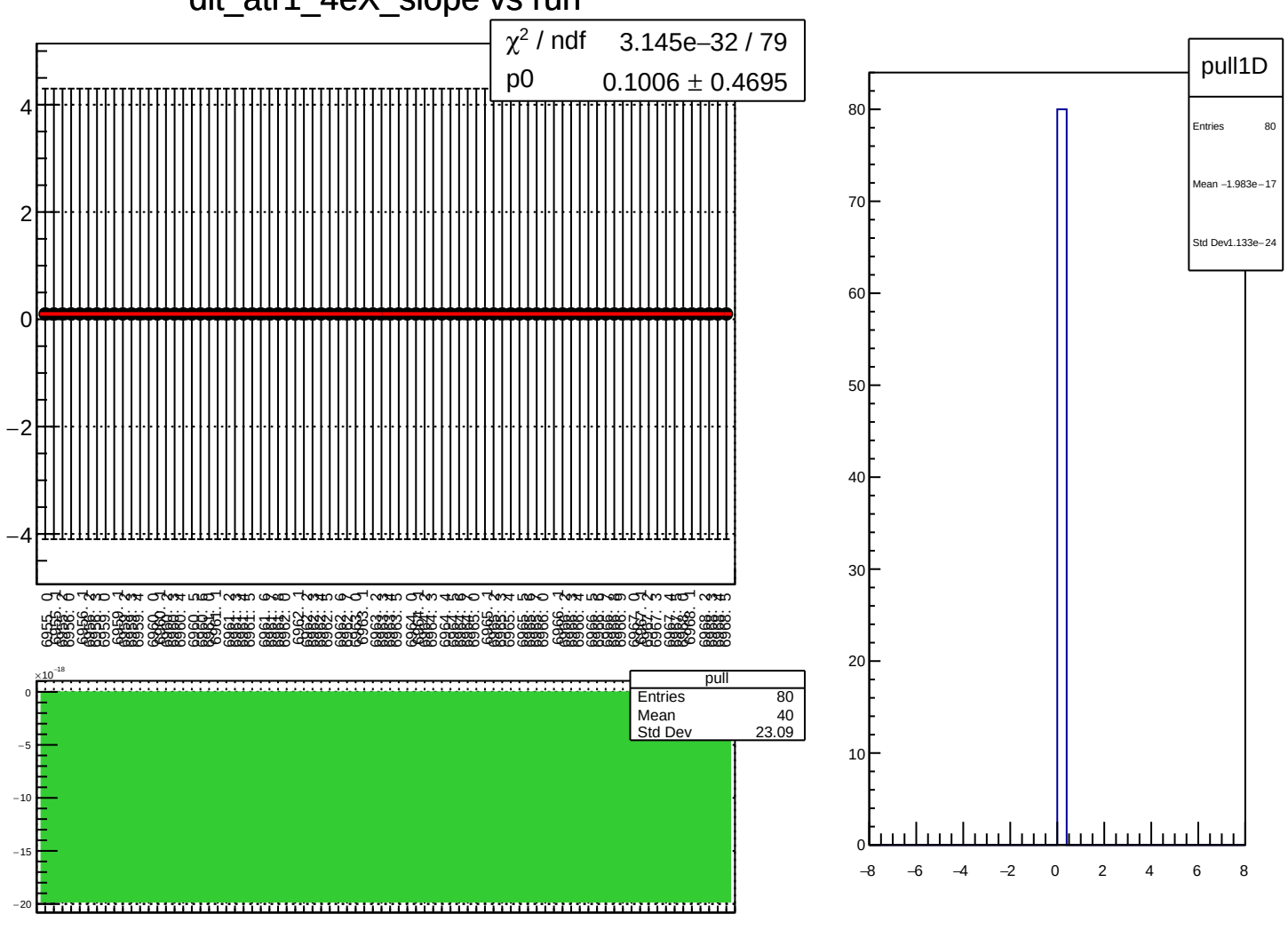

dit_atl2_4aY_slope vs run
χ^2 / ndf 9.878e−26 / 79
p0 17.76 ± 0.09043
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
35
30
25
20
15
10
5
0

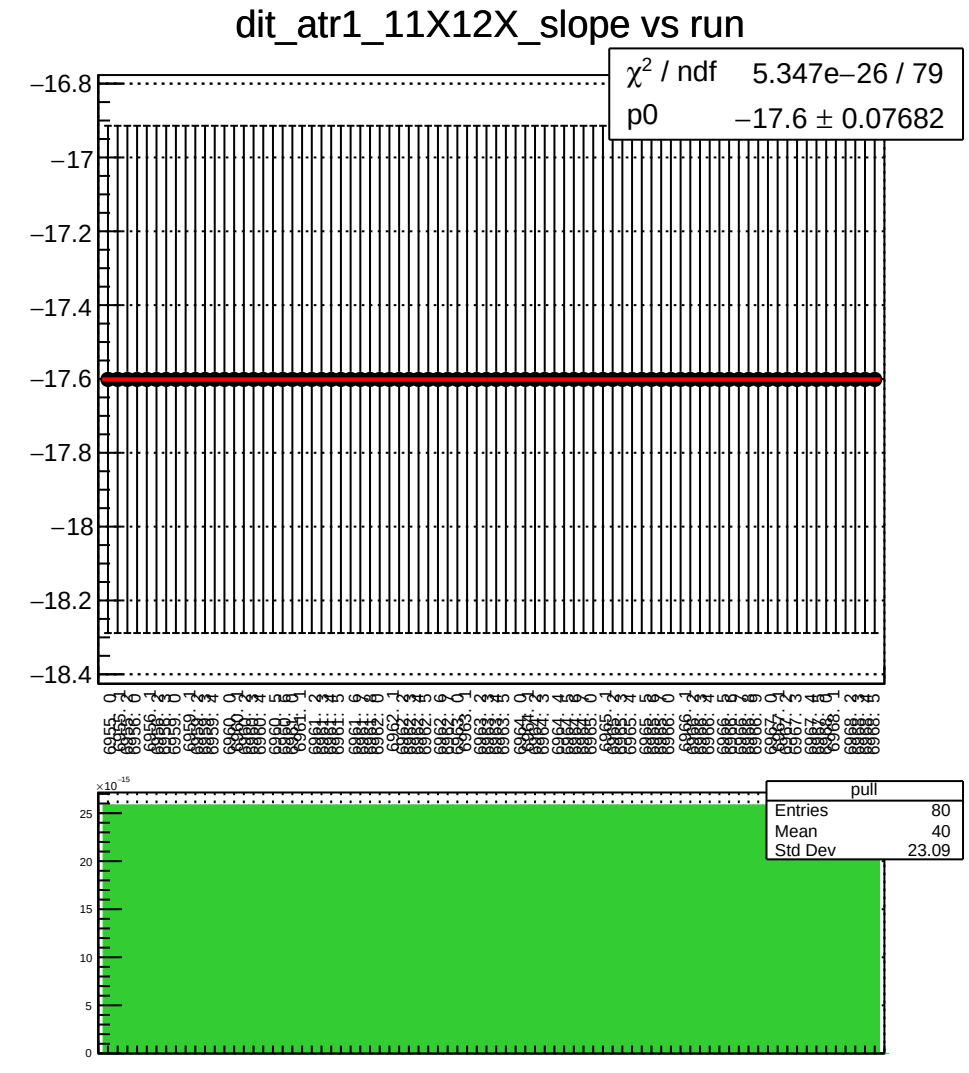

pull1D
Entries 80
Mean 3.514e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

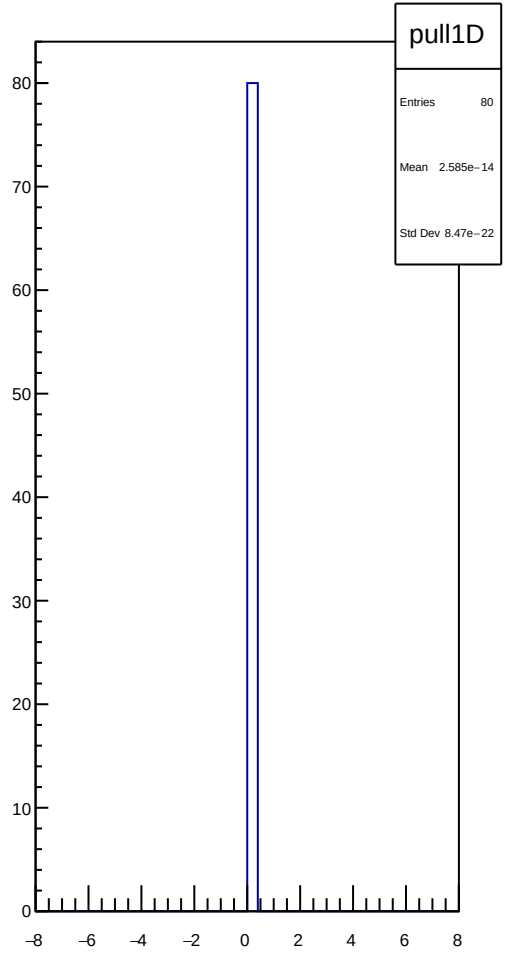

dit_atl2_4eY_slope vs run
χ² / ndf 0 / 79
p0 132.1 ± 0.08171
132.8
132.6
132.4
132.2
132
131.8
131.6
131.4
131.2
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

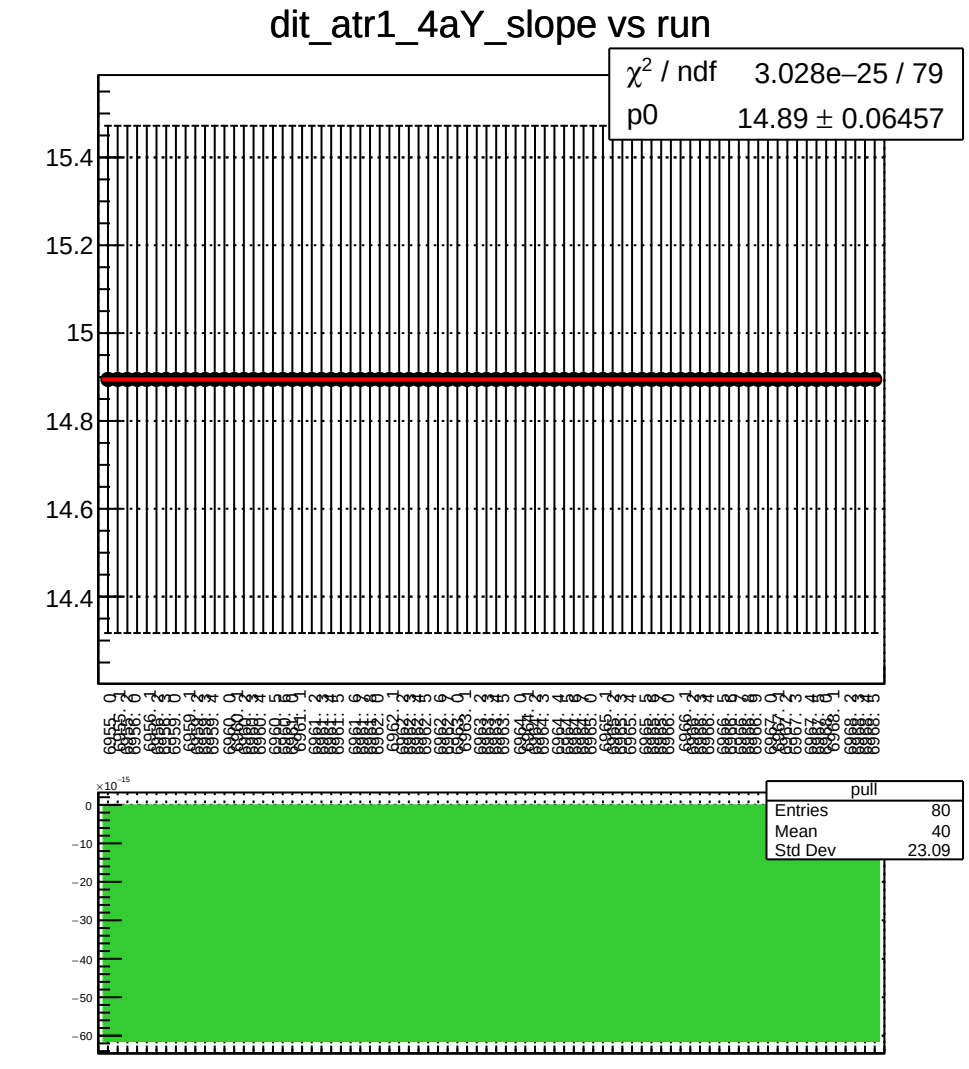

dit_atr1_4aX_slope vs run
χ² / ndf 1.607e−28 / 79
p0 −60.45 ± 0.5604
−56
−58
−60
−62
−64
−66
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

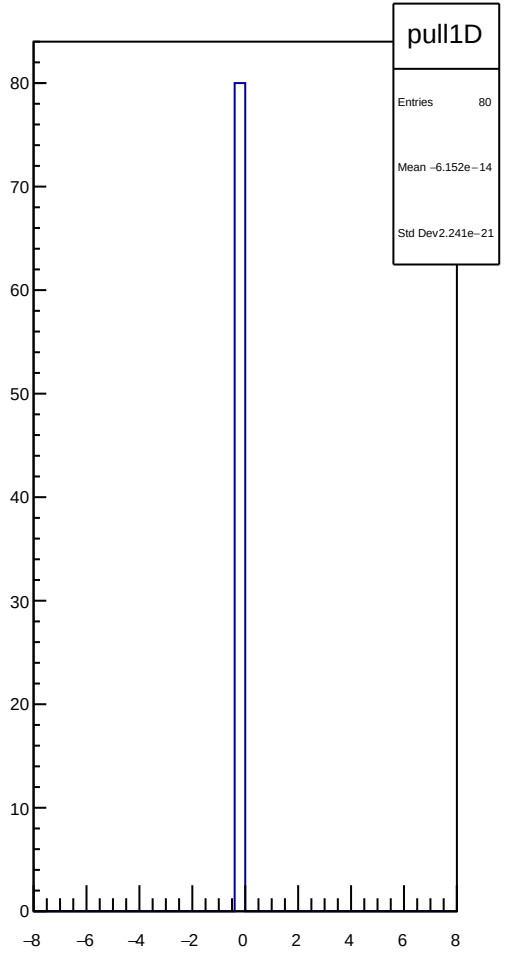

pull1D
Entries 80
Mean −1.417e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

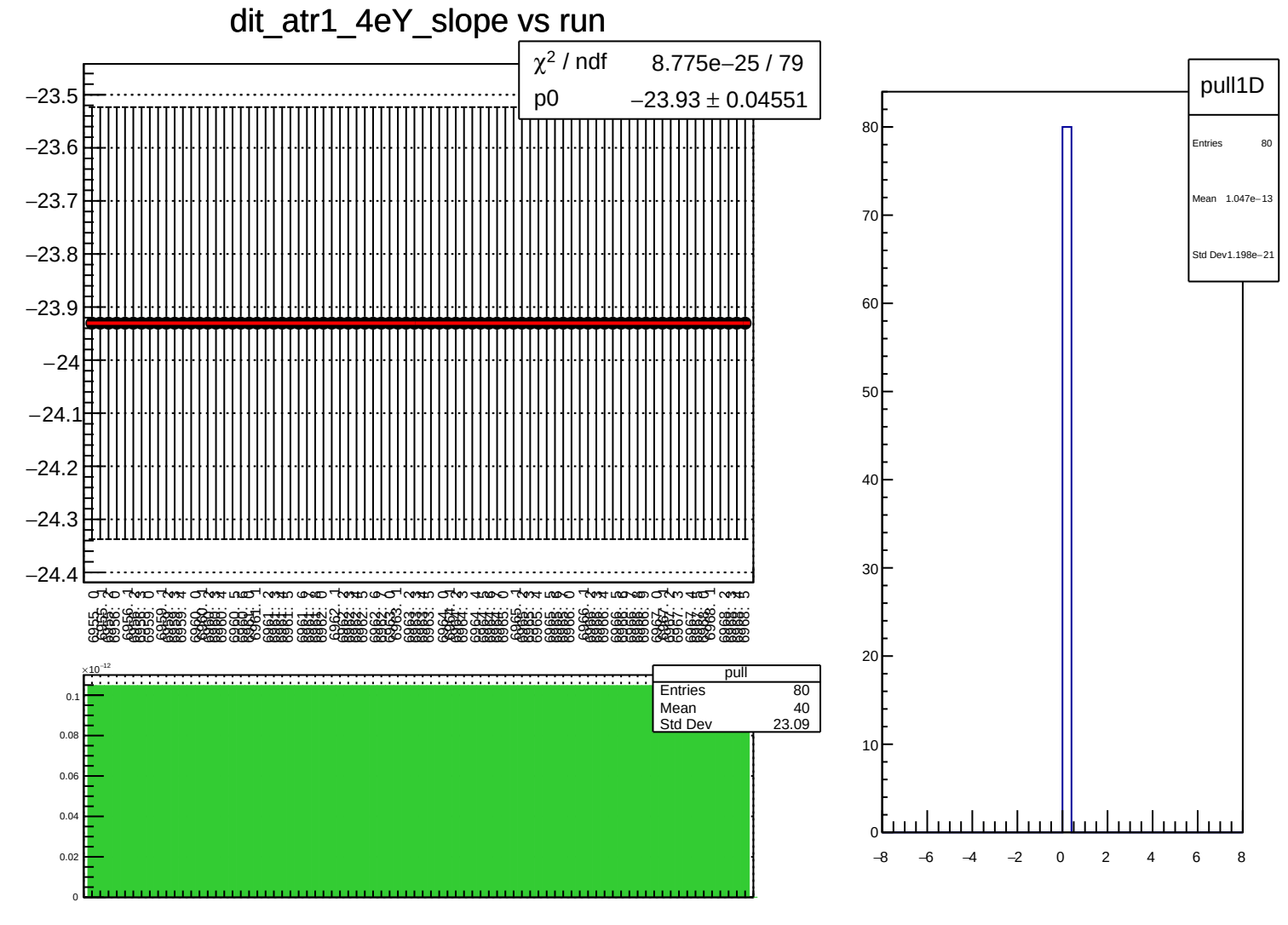

dit_atr1_4eX_slope vs run
χ² / ndf 3.145e−32 / 79
p0 0.1006 ± 0.4695
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.983e−17
Std Dev1.133e−24

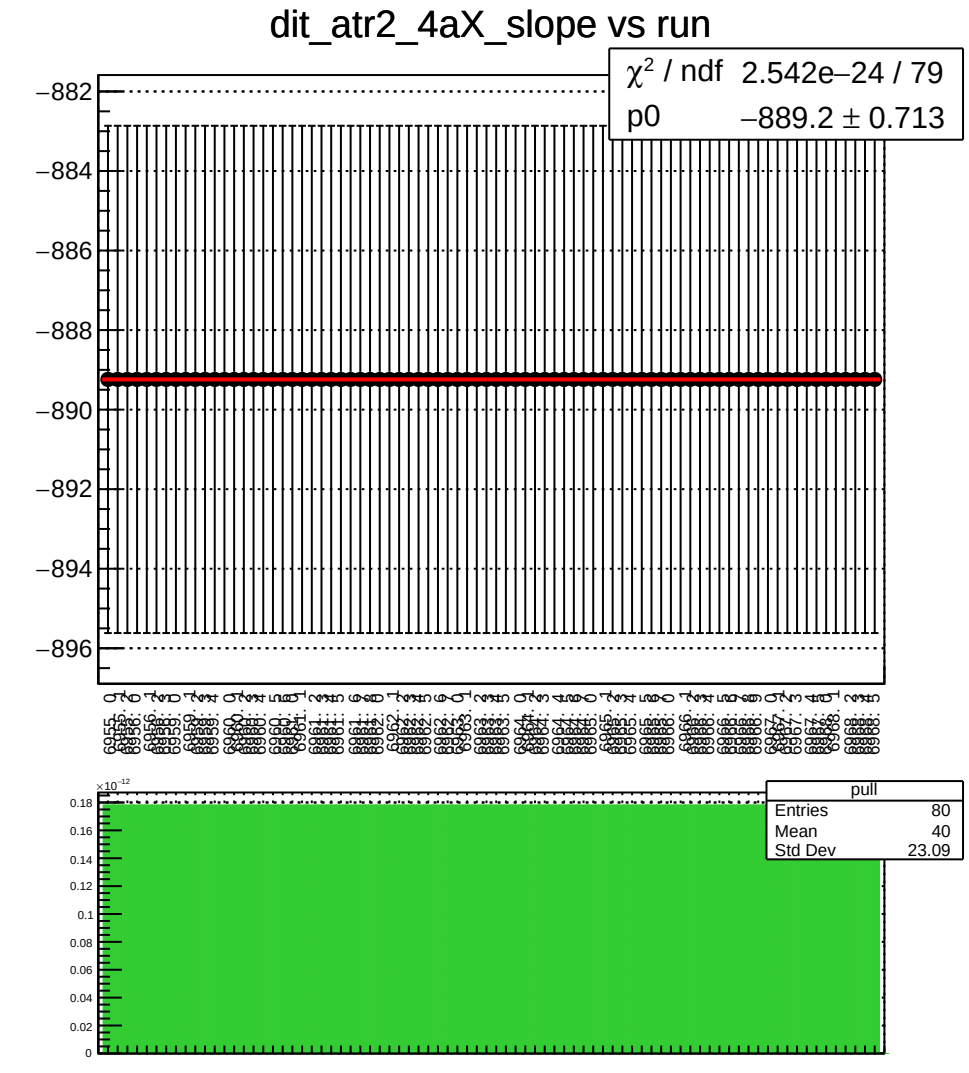

dit_atr1_11X12X_slope vs run
χ² / ndf 5.347e−26 / 79
p0 −17.6 ± 0.07682
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0

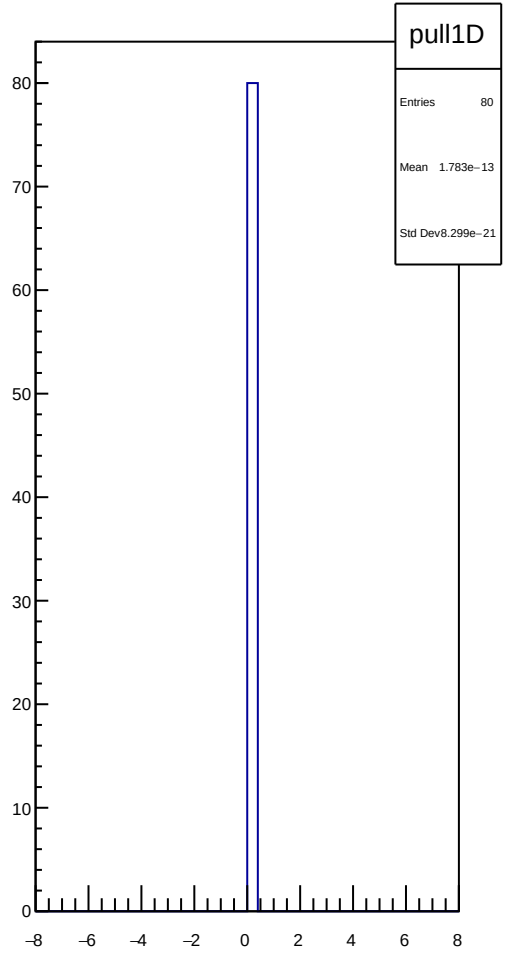

pull1D
Entries 80
Mean 2.585e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

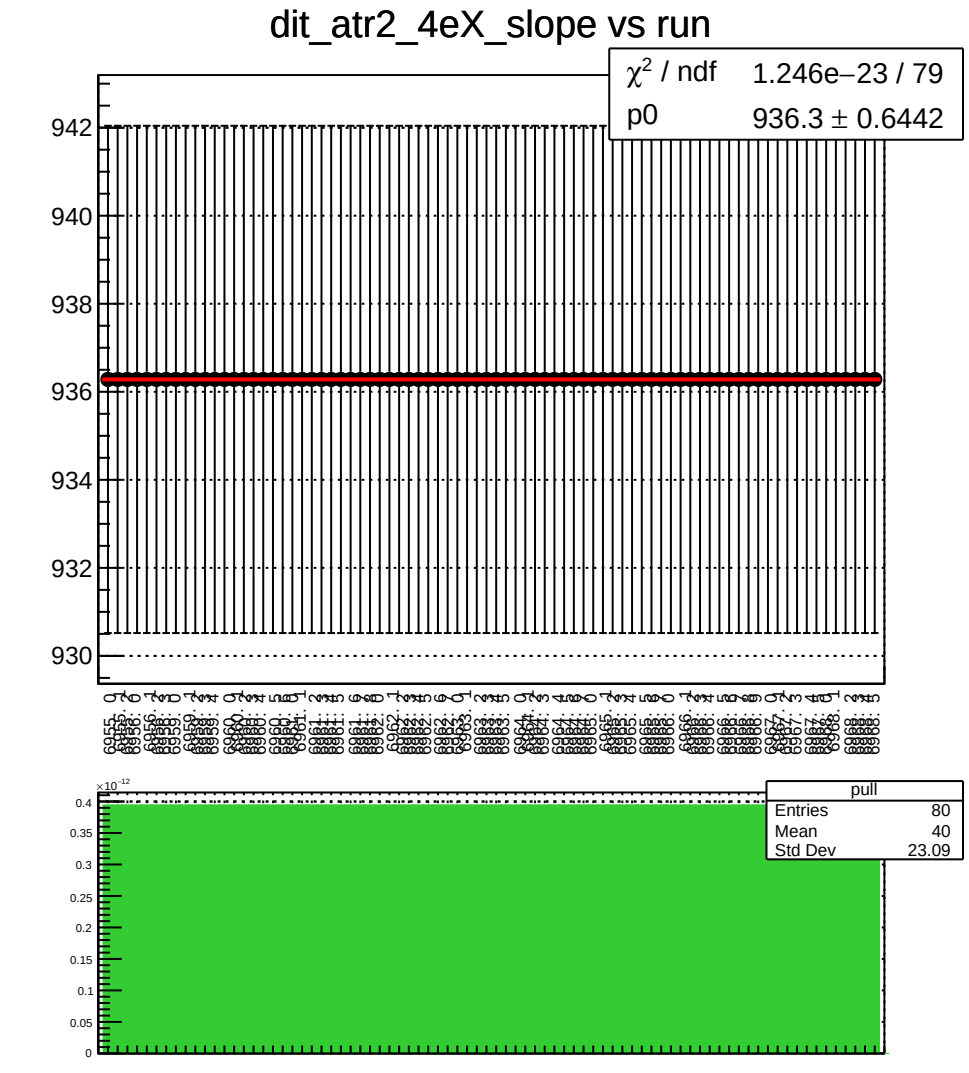

dit_atr1_4aY_slope vs run
χ² / ndf 3.028e−25 / 79
p0 14.89 ± 0.06457
15.4
15.2
15
14.8
14.6
14.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

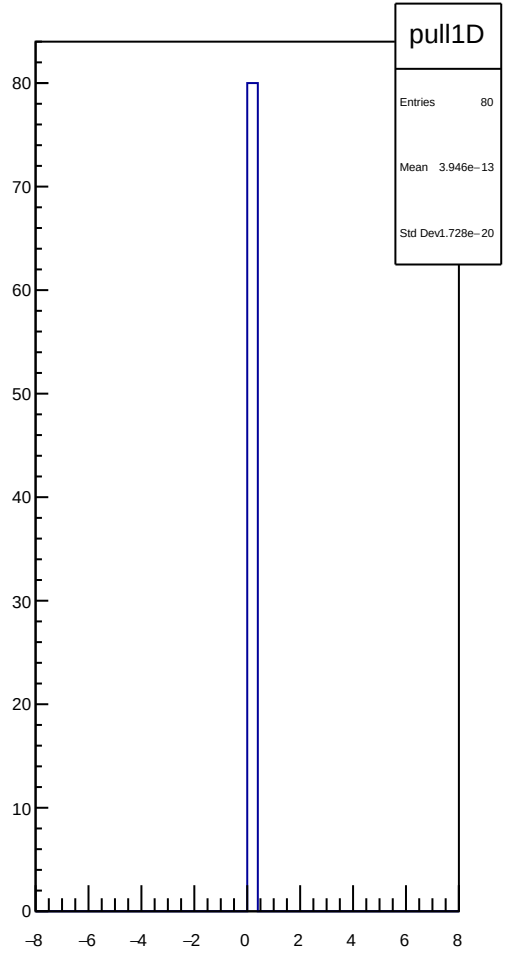

pull1D
Entries 80
Mean −6.152e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

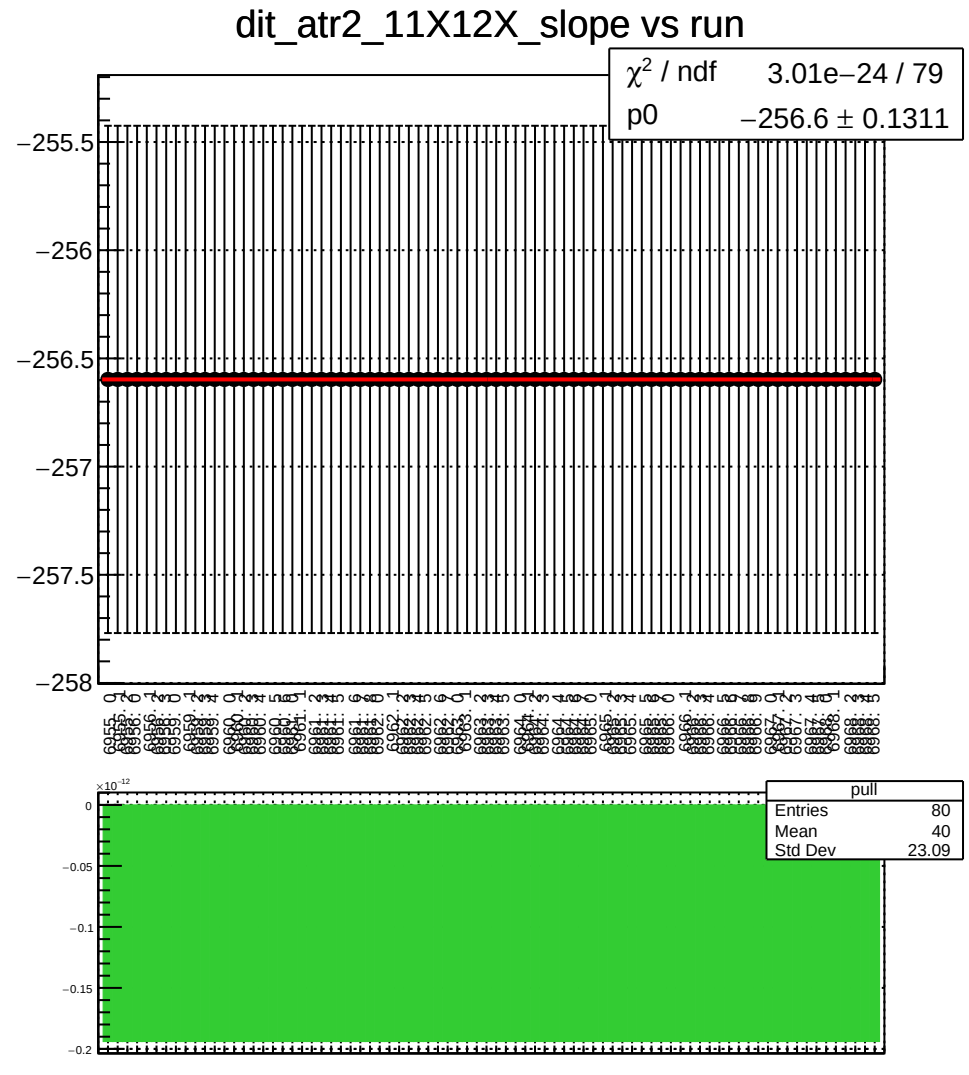

dit_atr1_4eY_slope vs run
χ² / ndf 8.775e−25 / 79
p0 −23.93 ± 0.04551
−23.5
−23.6
−23.7
−23.8
−23.9
−24
−24.1
−24.2
−24.3
−24.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.047e−13
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

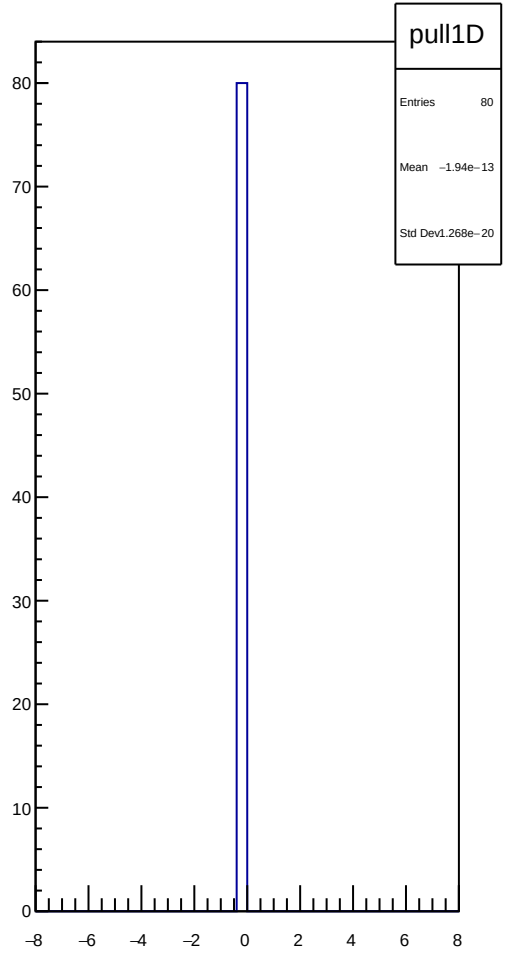

dit_atr2_4aX_slope vs run
χ² / ndf 2.542e−24 / 79
p0 −889.2 ± 0.713
−882
−884
−886
−888
−890
−892
−894
−896
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

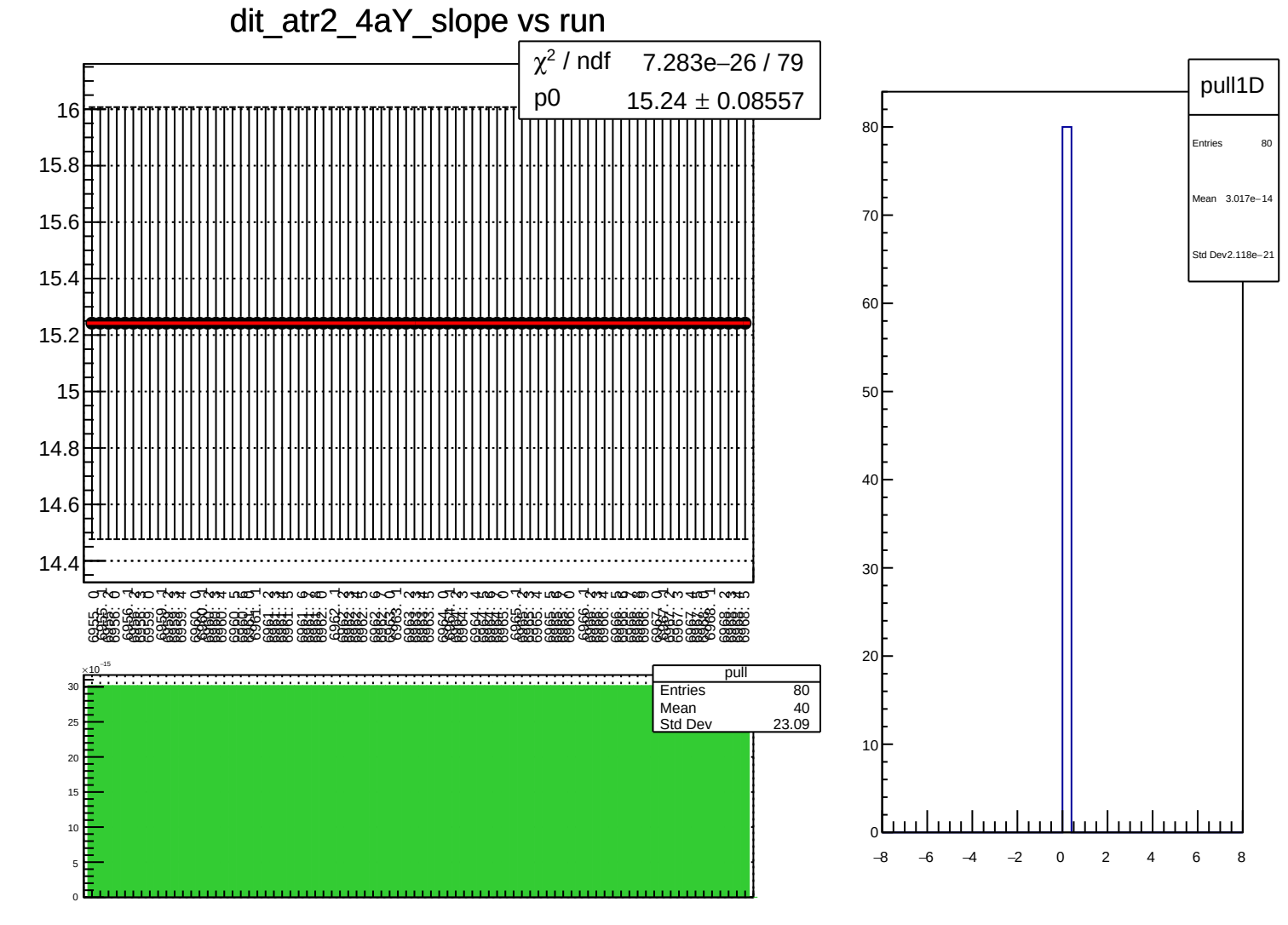

pull1D
Entries 80
Mean 1.783e−13
Std Dev 8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

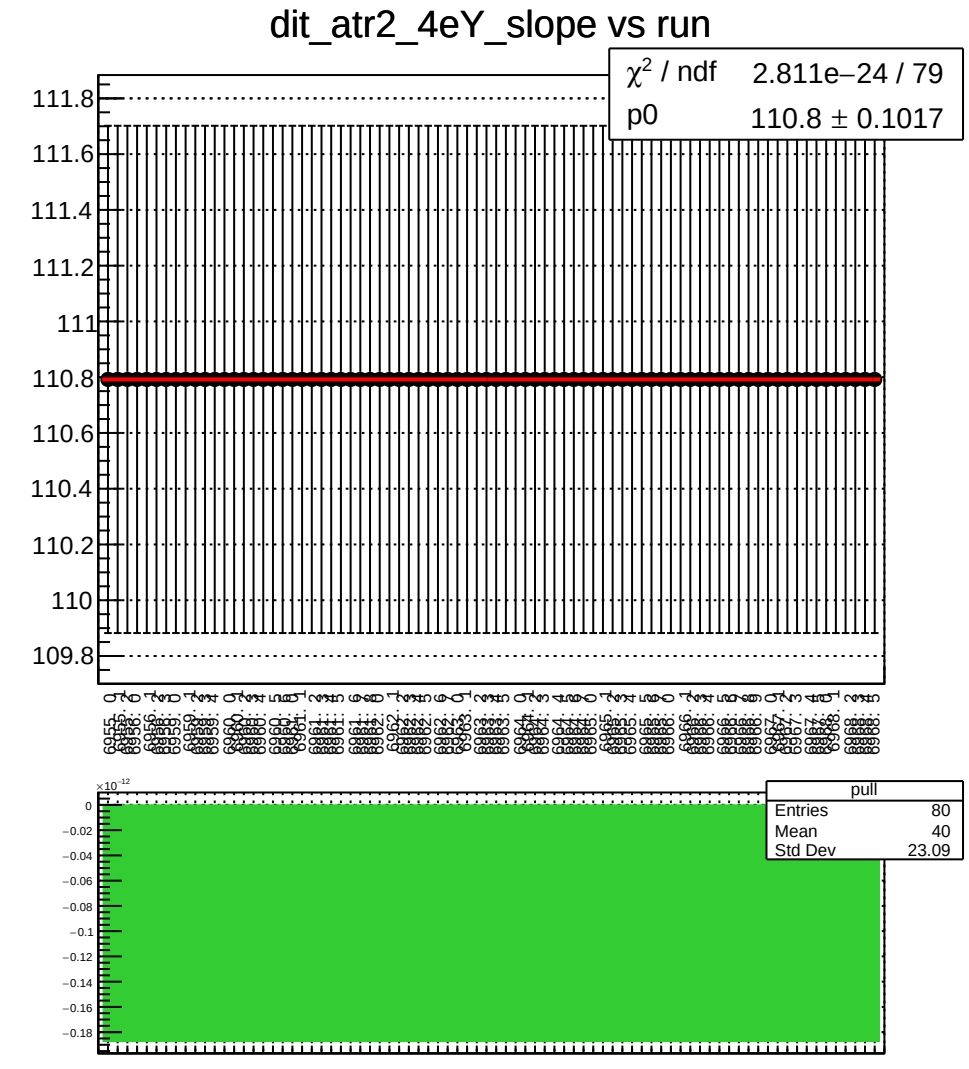

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.246e−23 / 79
p0 936.3 ± 0.6442
942
940
938
936
934
932
930
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

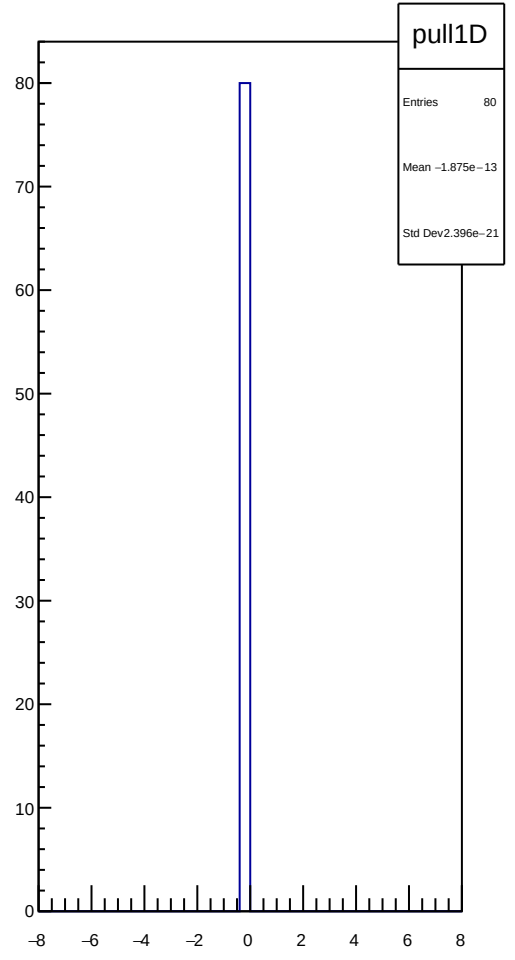

pull1D
Entries 80
Mean 3.946e−13
Std Dev1.728e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

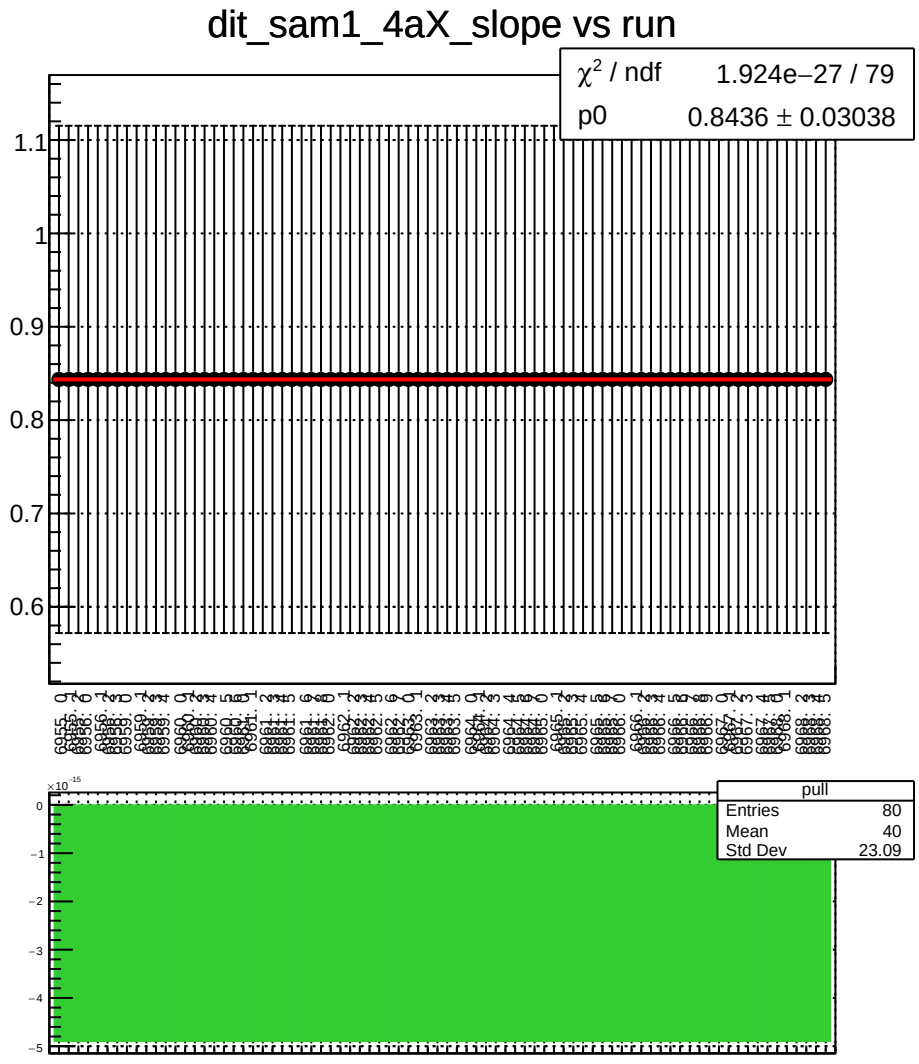

dit_atr2_11X12X_slope vs run
χ² / ndf 3.01e−24 / 79
p0 −256.6 ± 0.1311
−255.5
−256
−256.5
−257
−257.5
−258
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

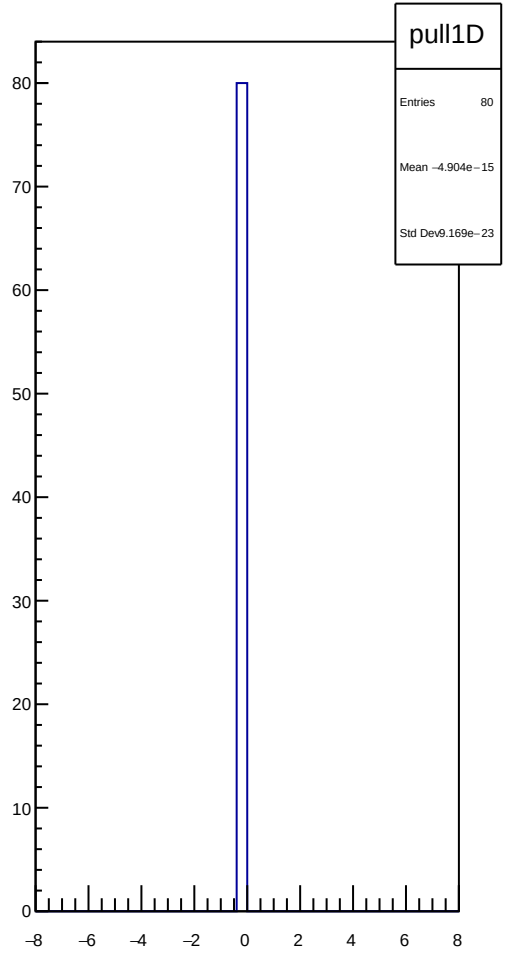

pull1D
Entries 80
Mean −1.94e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

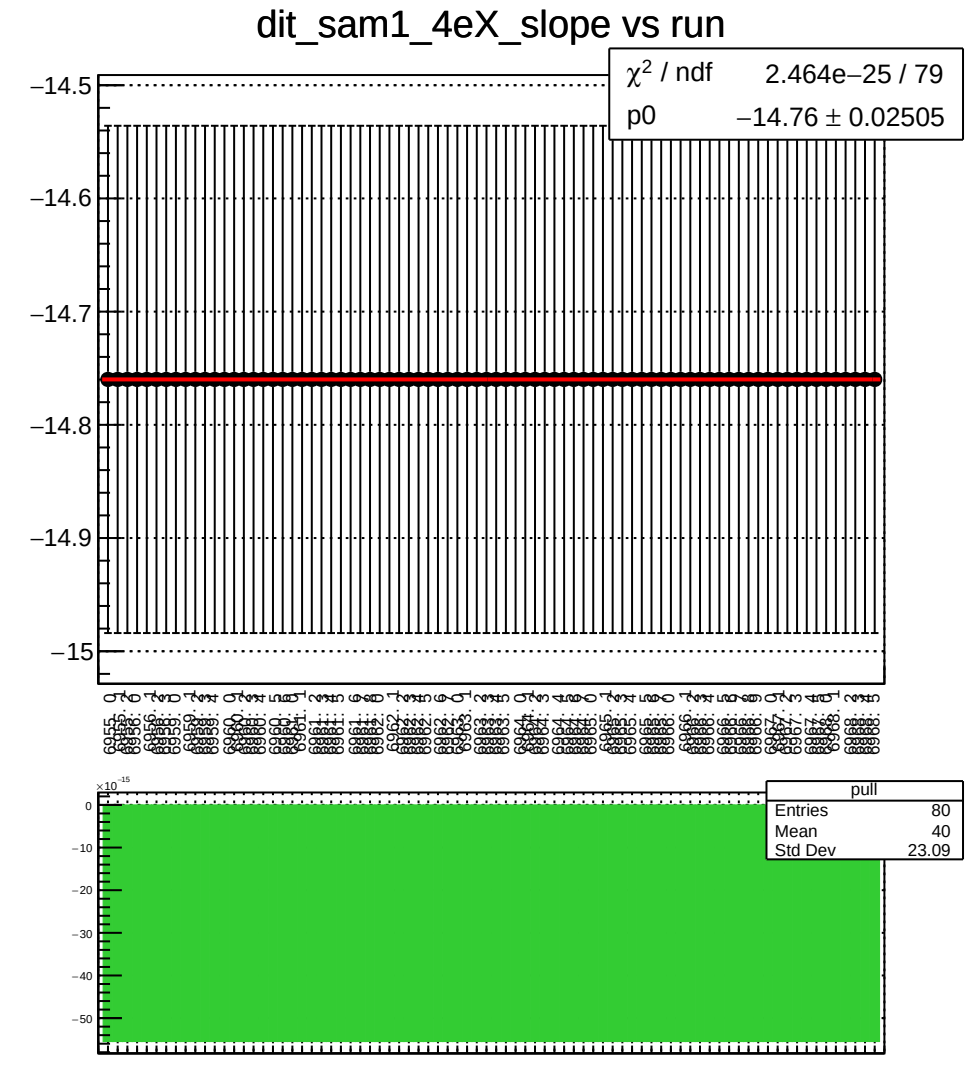

dit_atr2_4aY_slope vs run
χ² / ndf 7.283e−26 / 79
p0 15.24 ± 0.08557
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.017e−14
Std Dev2.118e−21

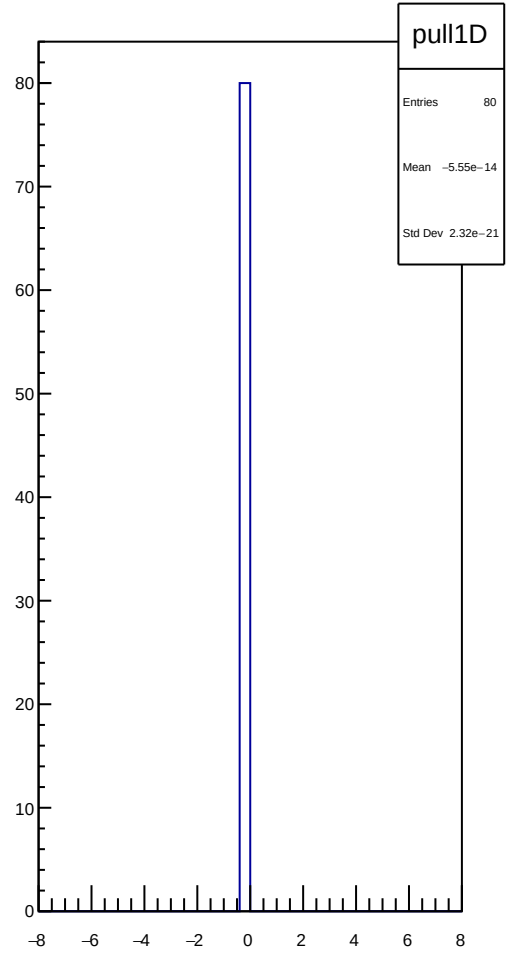

dit_atr2_4eY_slope vs run
χ² / ndf 2.811e−24 / 79
p0 110.8 ± 0.1017
111.8
111.6
111.4
111.2
111
110.8
110.6
110.4
110.2
110
109.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

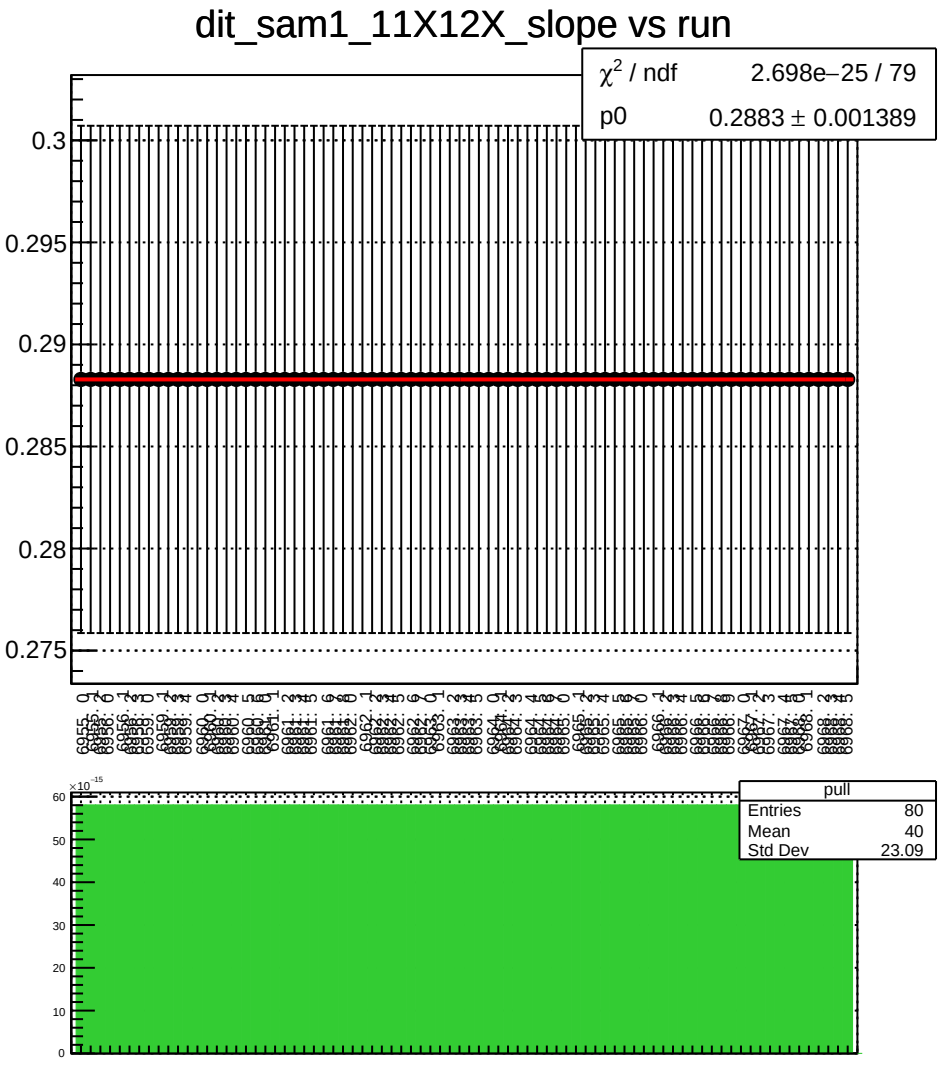

pull1D
Entries 80
Mean −1.875e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

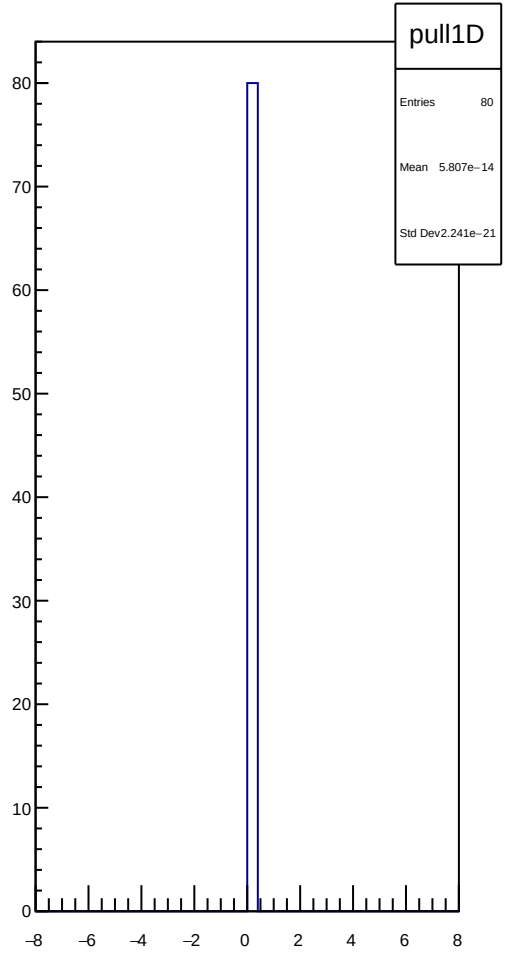

dit_sam1_4aX_slope vs run
χ² / ndf 1.924e−27 / 79
p0 0.8436 ± 0.03038
1.1
1
0.9
0.8
0.7
0.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5

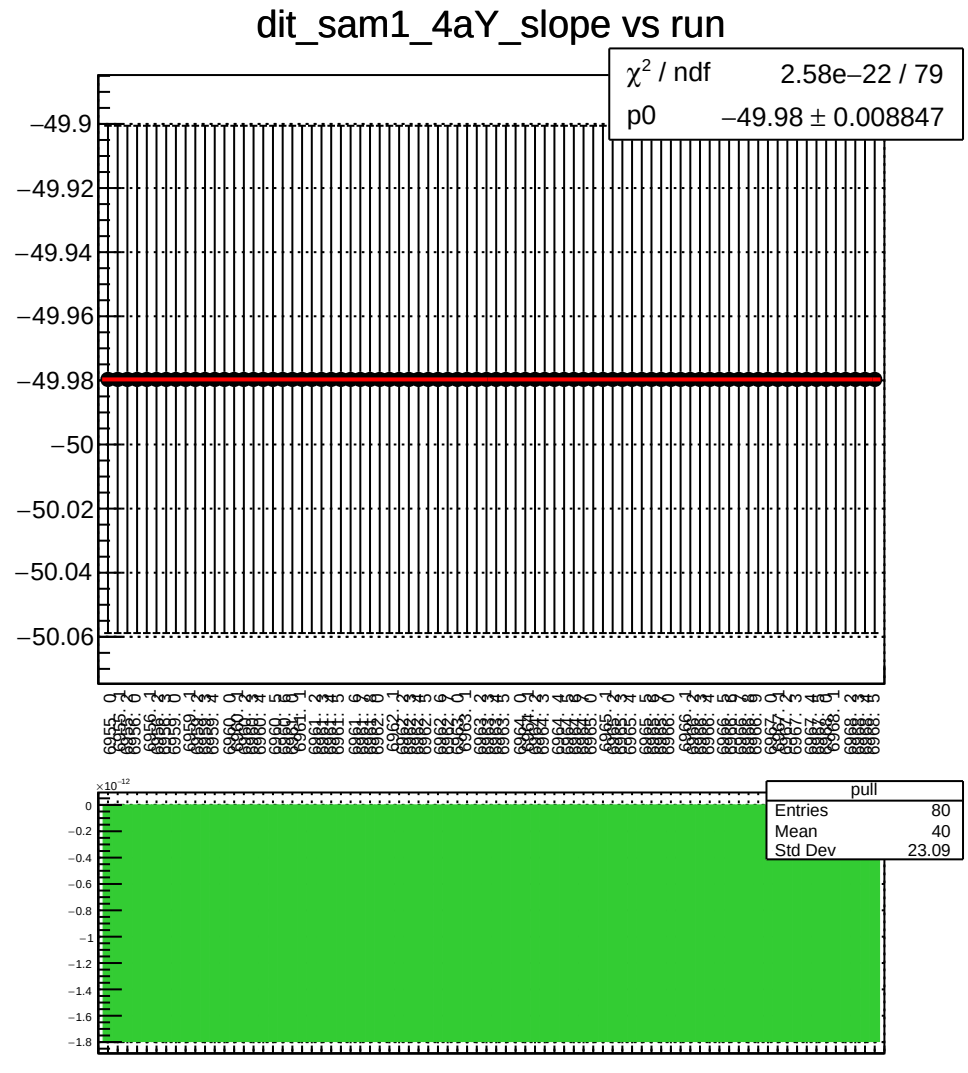

pull1D
Entries 80
Mean −4.904e−15
Std Dev9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

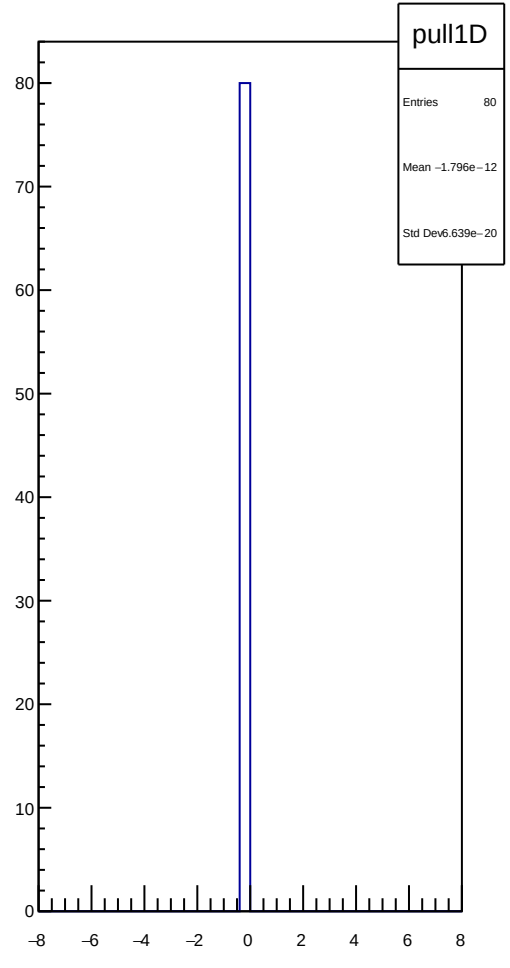

dit_sam1_4eX_slope vs run
χ² / ndf 2.464e−25 / 79
p0 −14.76 ± 0.02505
−14.5
−14.6
−14.7
−14.8
−14.9
−15
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50

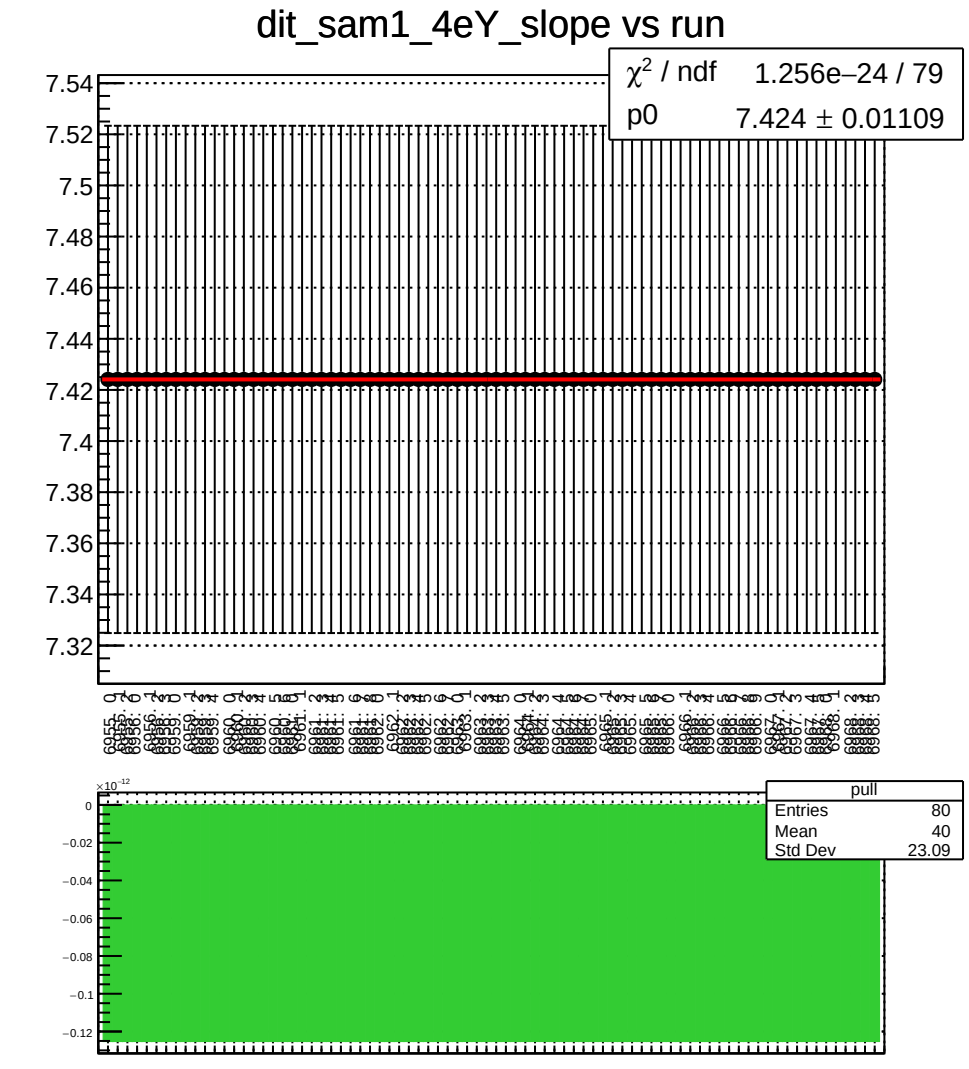

pull1D
Entries 80
Mean −5.55e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

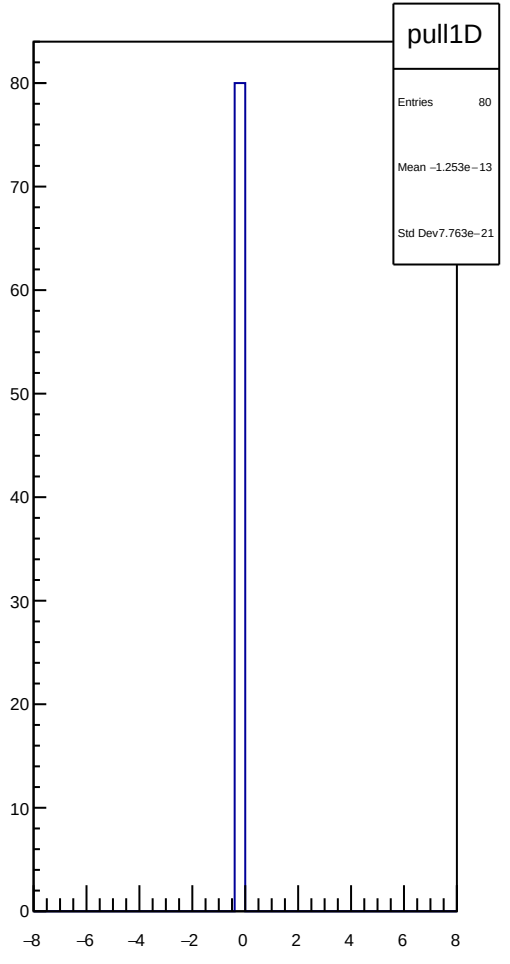

dit_sam1_11X12X_slope vs run
χ² / ndf 2.698e−25 / 79
p0 0.2883 ± 0.001389
0.3
0.295
0.29
0.285
0.28
0.275
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

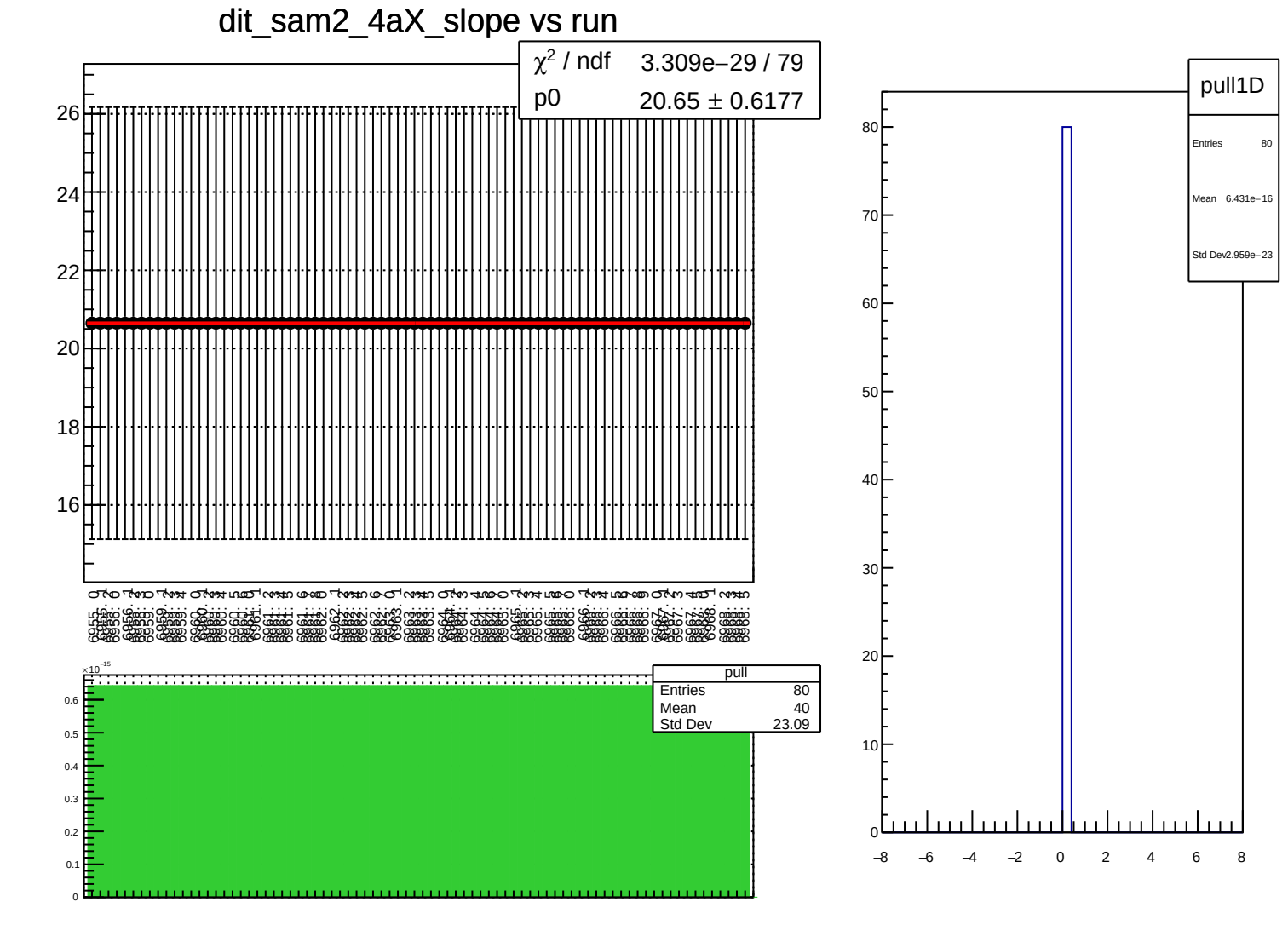

pull1D
Entries 80
Mean 5.807e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

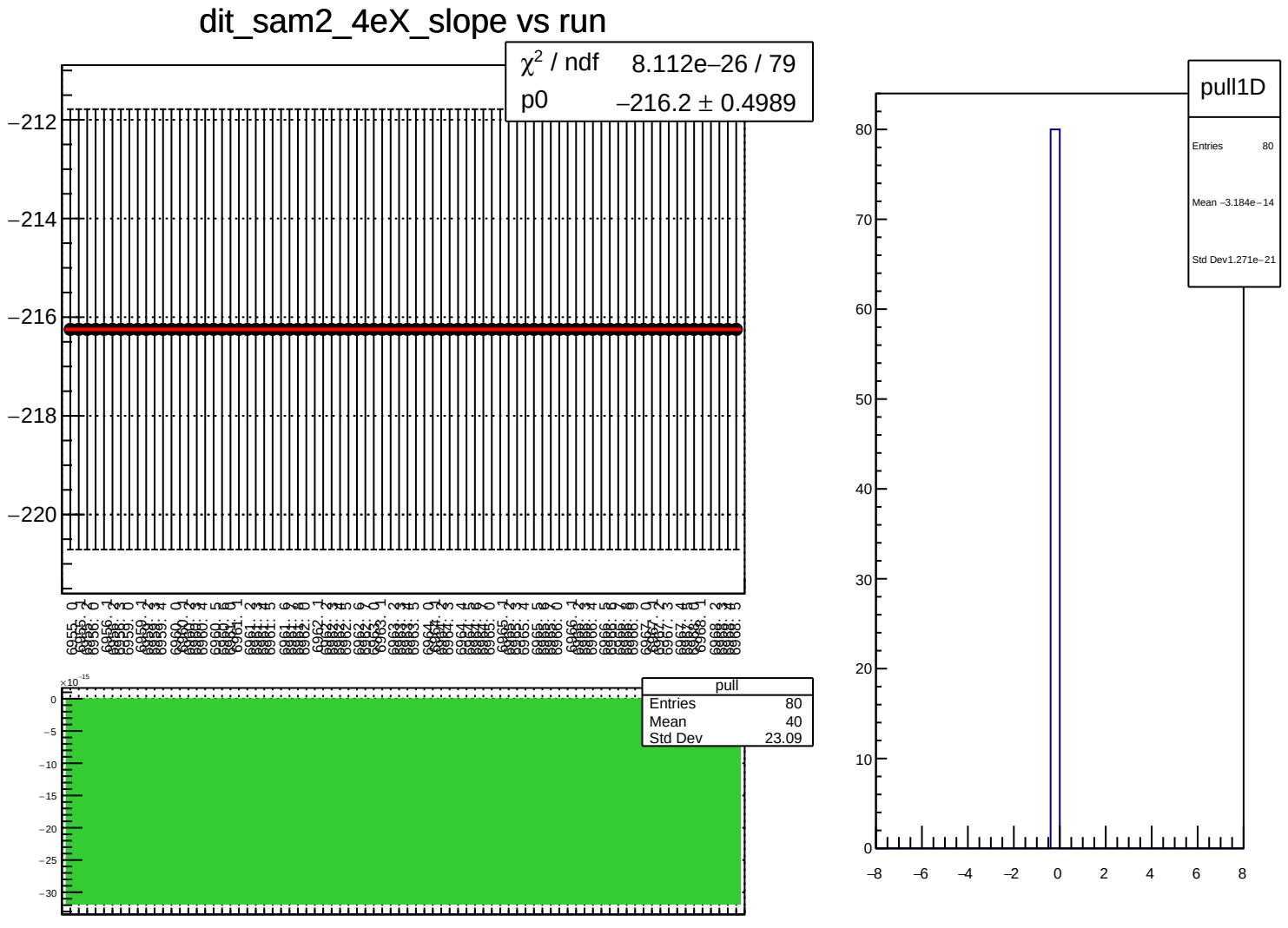

dit_sam1_4aY_slope vs run
χ² / ndf 2.58e−22 / 79
p0 −49.98 ± 0.008847
−49.9
−49.92
−49.94
−49.96
−49.98
−50
−50.02
−50.04
−50.06
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8

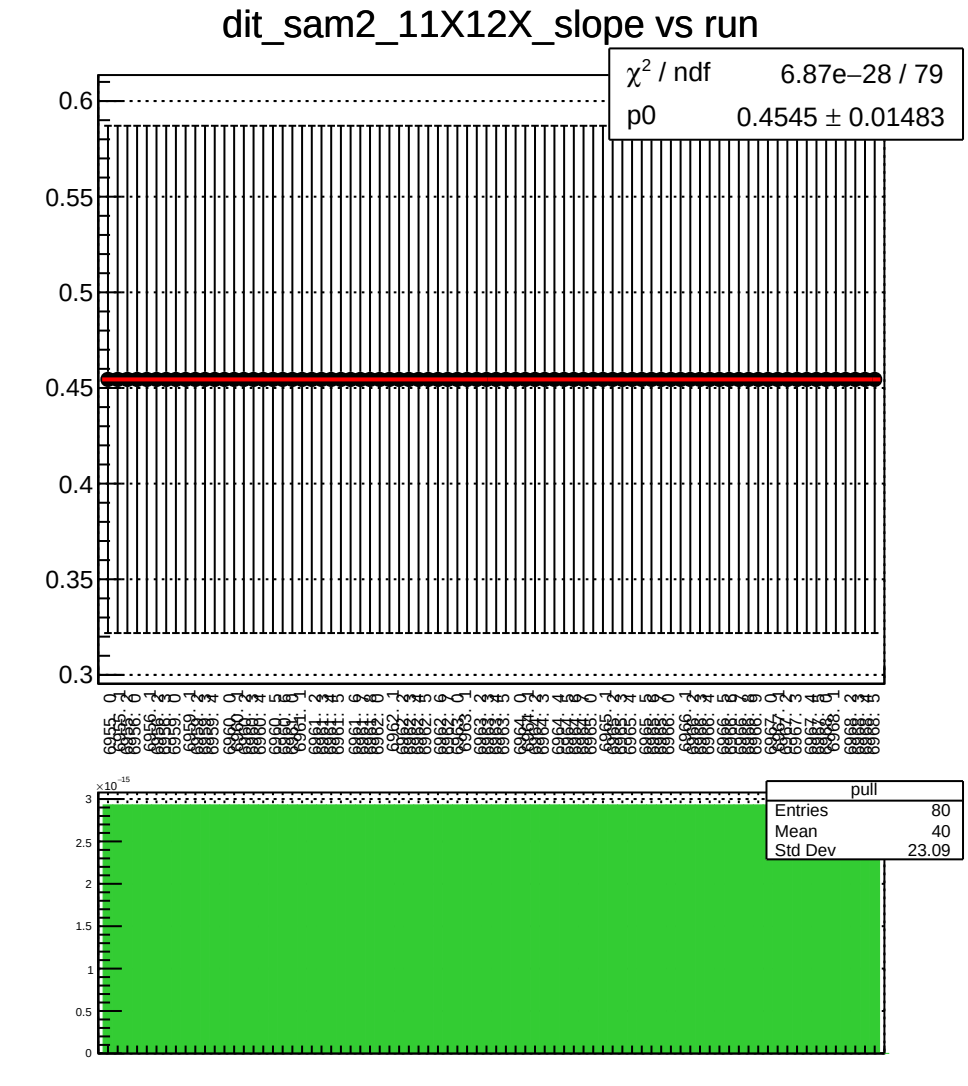

pull1D
Entries 80
Mean −1.796e−12
Std Dev 6.639e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

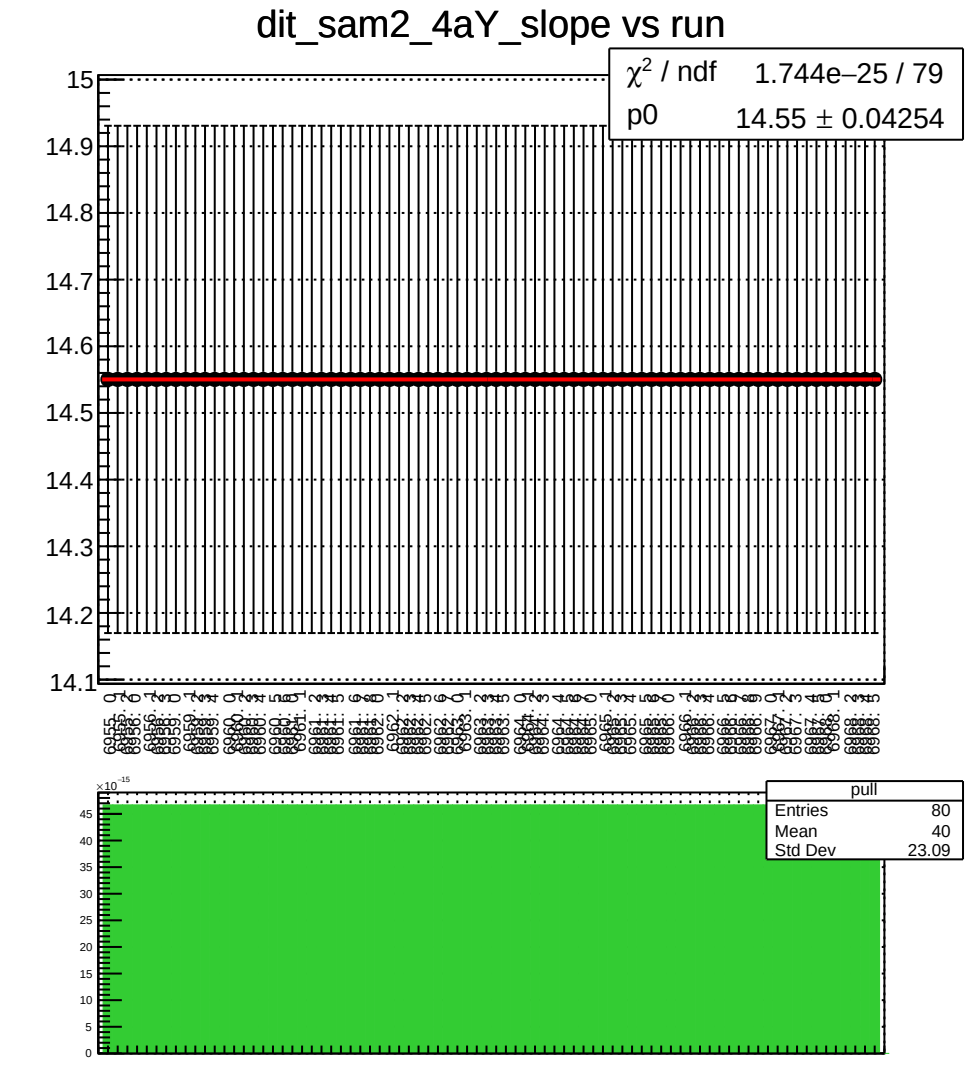

dit_sam1_4eY_slope vs run
χ² / ndf 1.256e−24 / 79
p0 7.424 ± 0.01109
7.54
7.52
7.5
7.48
7.46
7.44
7.42
7.4
7.38
7.36
7.34
7.32
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

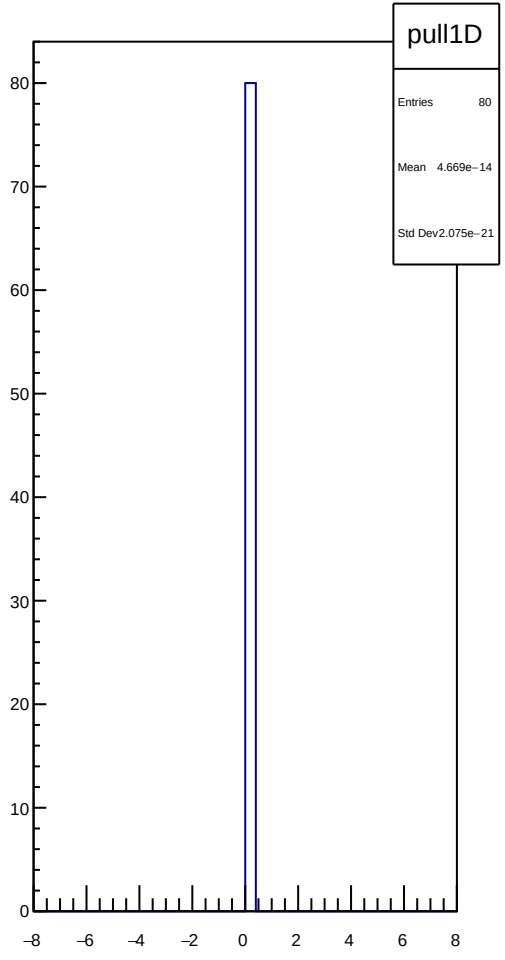

pull1D
Entries 80
Mean −1.253e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

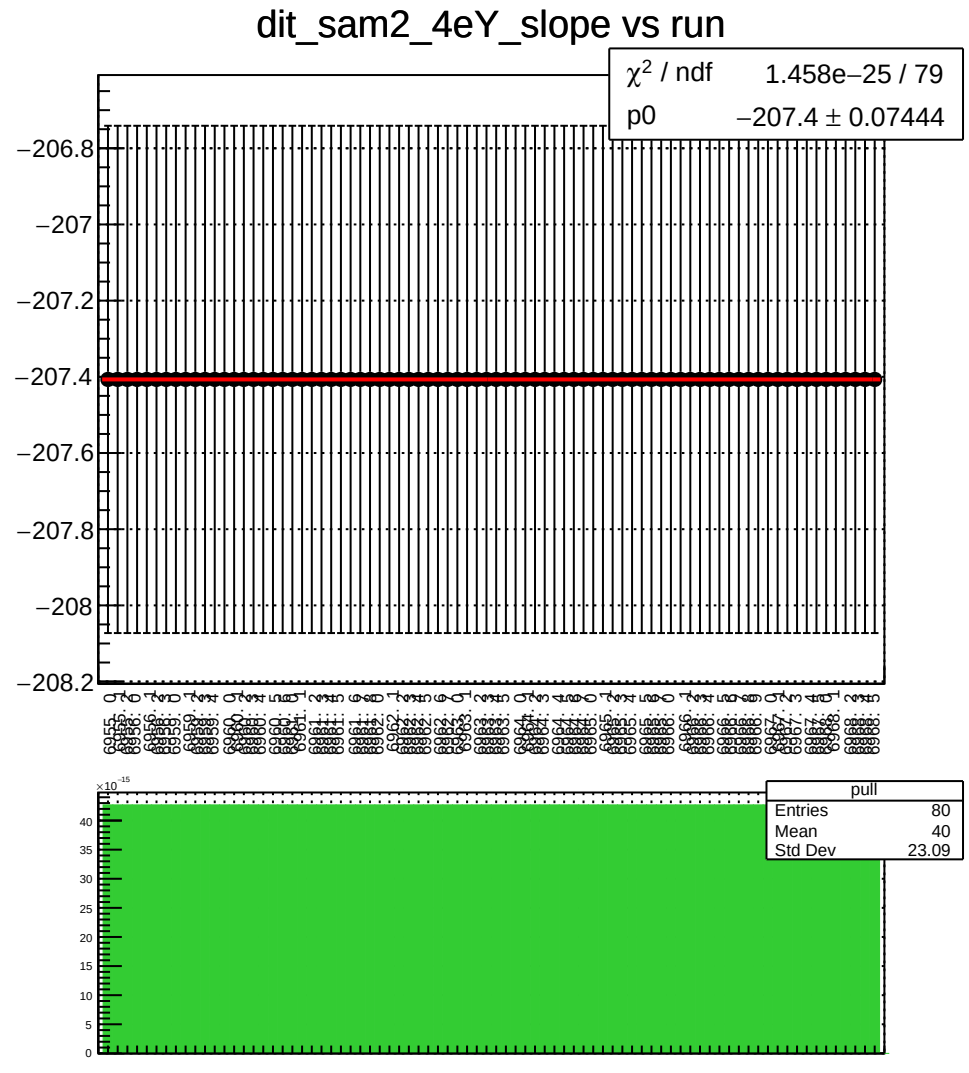

dit_sam2_4aX_slope vs run
χ² / ndf 3.309e−29 / 79
p0 20.65 ± 0.6177
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.431e−16
Std Dev 2.959e−23

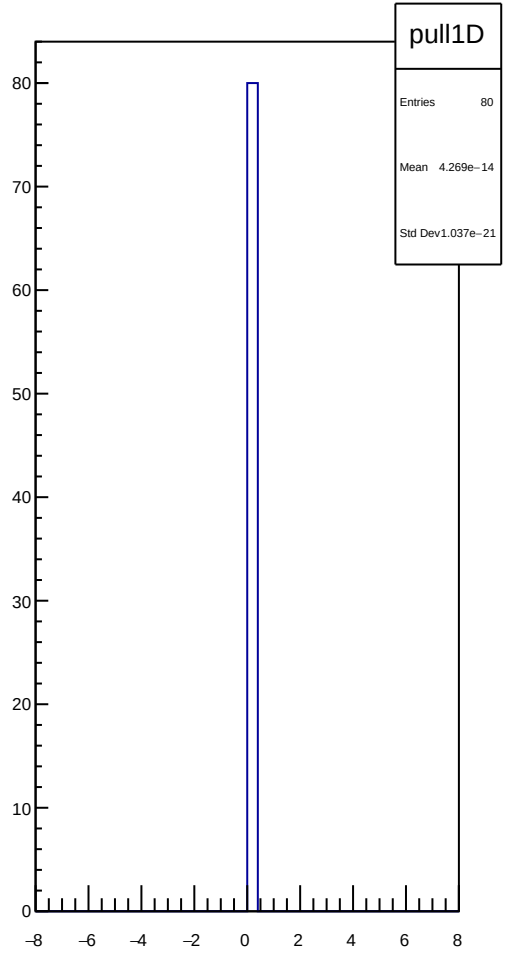

dit_sam2_4eX_slope vs run
χ² / ndf 8.112e−26 / 79
p0 −216.2 ± 0.4989
−212
−214
−216
−218
−220
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 80
Mean −3.184e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

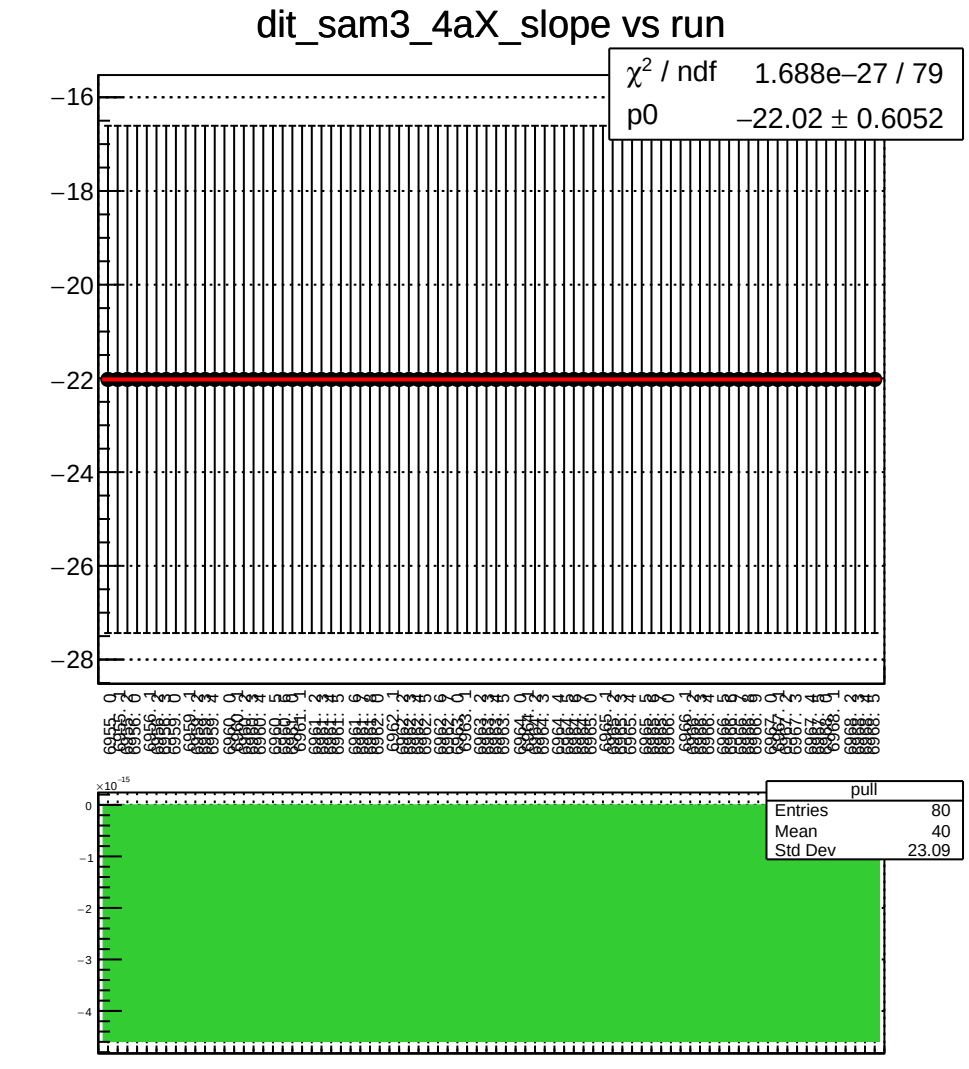

dit_sam2_11X12X_slope vs run
χ² / ndf 6.87e−28 / 79
p0 0.4545 ± 0.01483
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.93e−15
Std Dev1.795e−22

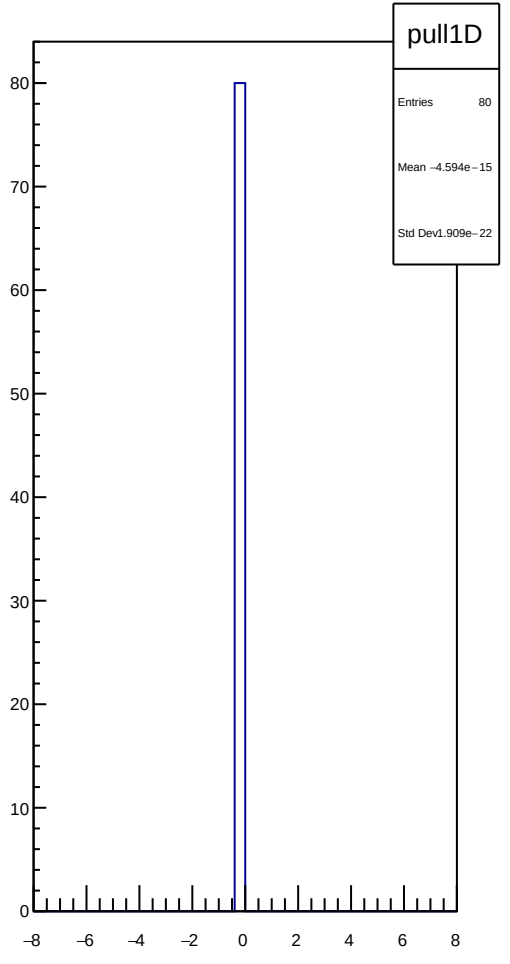

dit_sam2_4aY_slope vs run
χ² / ndf 1.744e−25 / 79
p0 14.55 ± 0.04254
pull
Entries 80
Mean 40
Std Dev 23.09

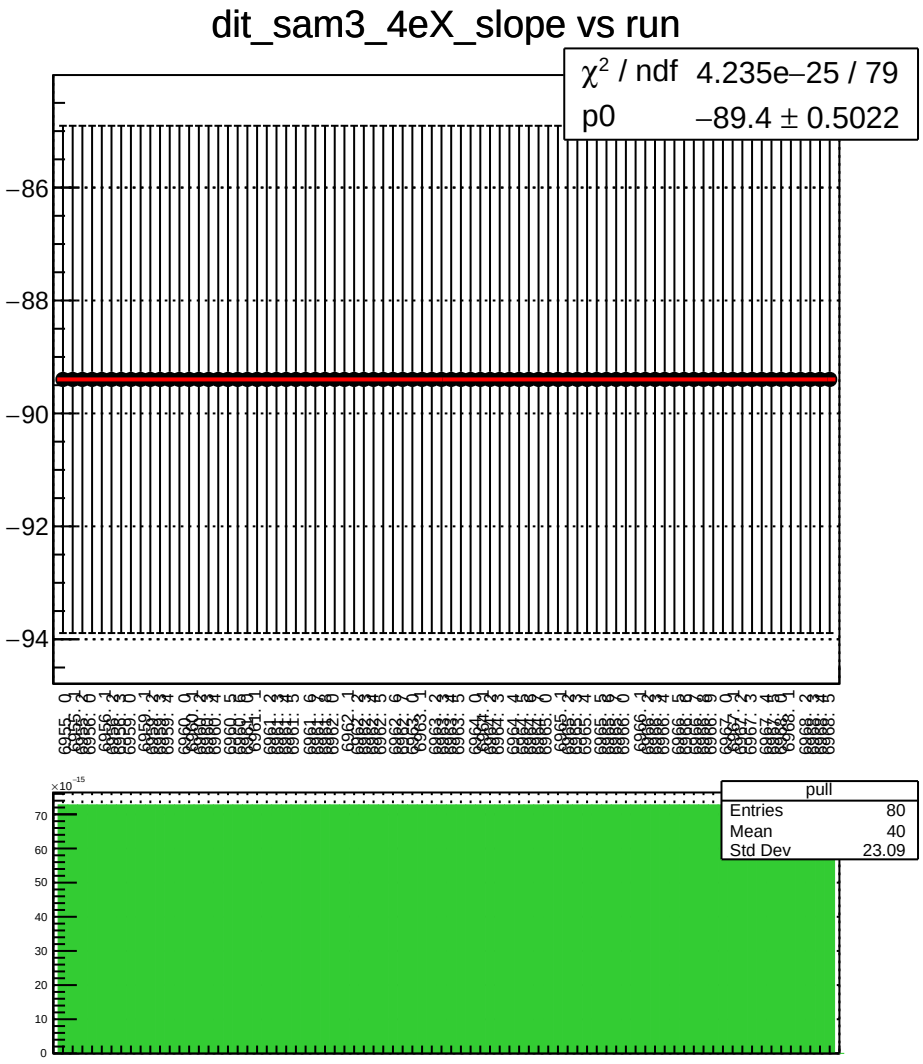

pull1D
Entries 80
Mean 4.669e−14
Std Dev2.075e−21

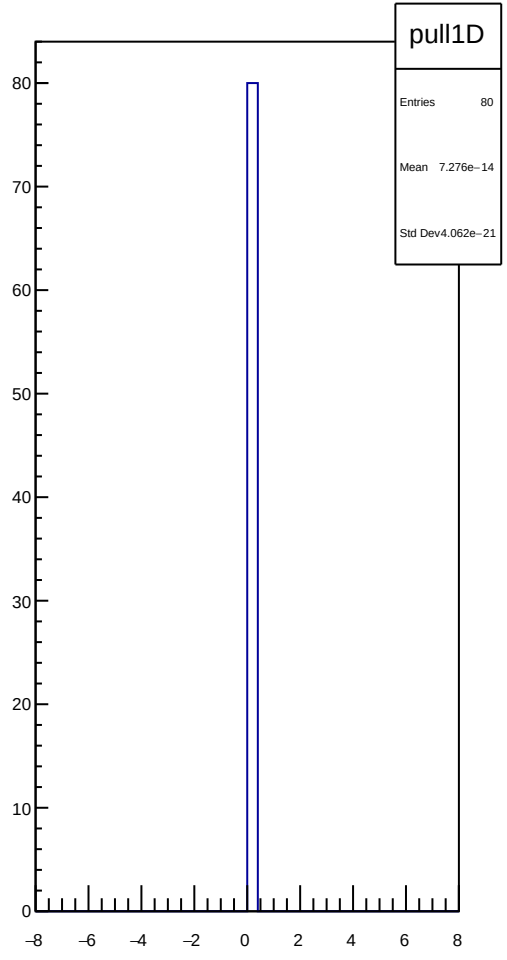

dit_sam2_4eY_slope vs run
χ² / ndf 1.458e−25 / 79
p0 −207.4 ± 0.07444
−206.8
−207
−207.2
−207.4
−207.6
−207.8
−208
−208.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

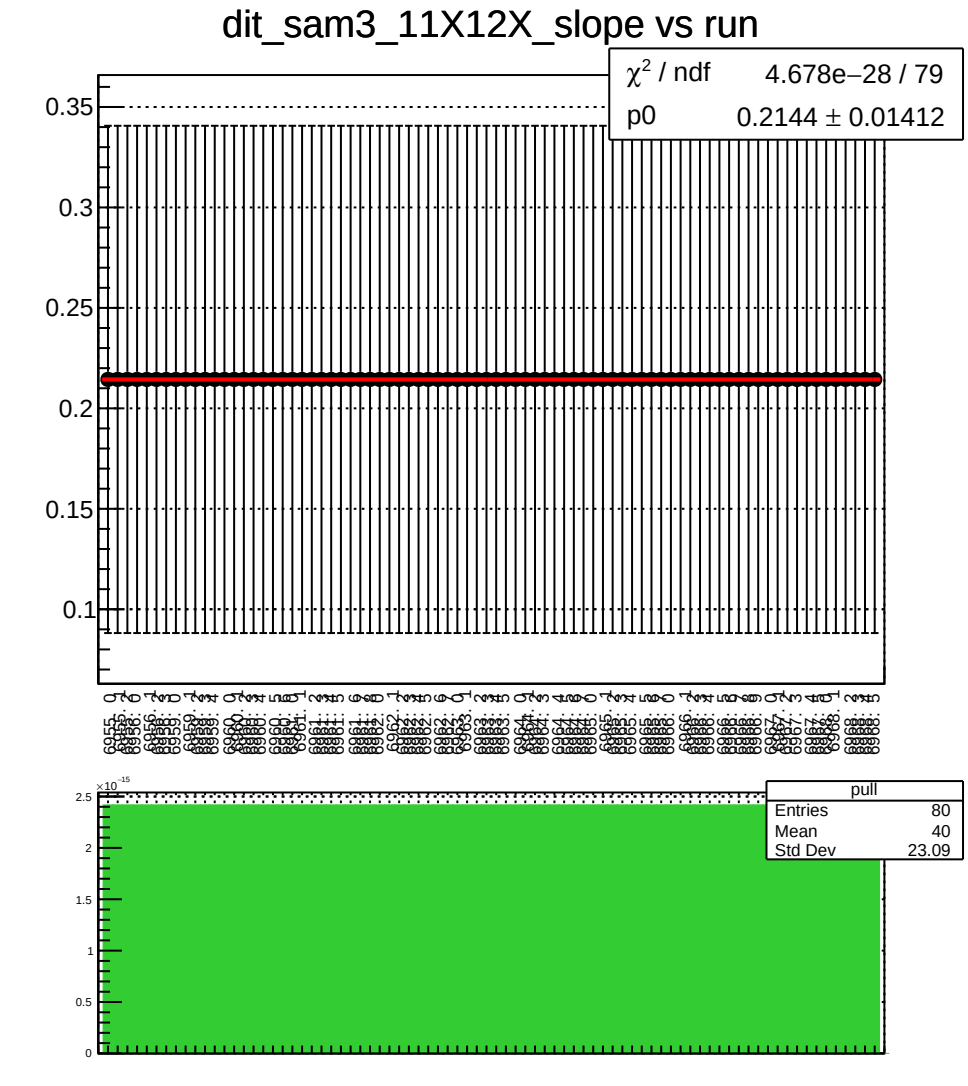

pull1D
Entries 80
Mean 4.269e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

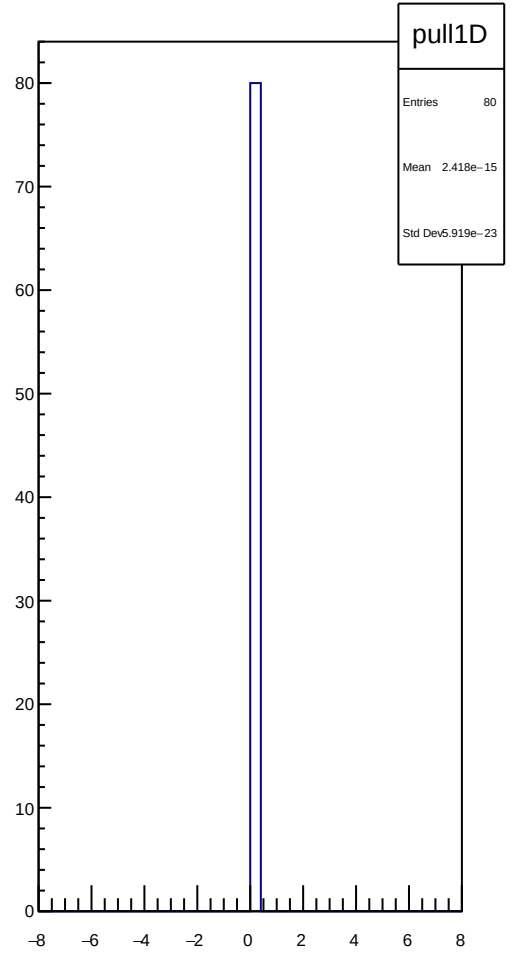

dit_sam3_4aX_slope vs run
χ² / ndf 1.688e−27 / 79
p0 −22.02 ± 0.6052
−16
−18
−20
−22
−24
−26
−28
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4

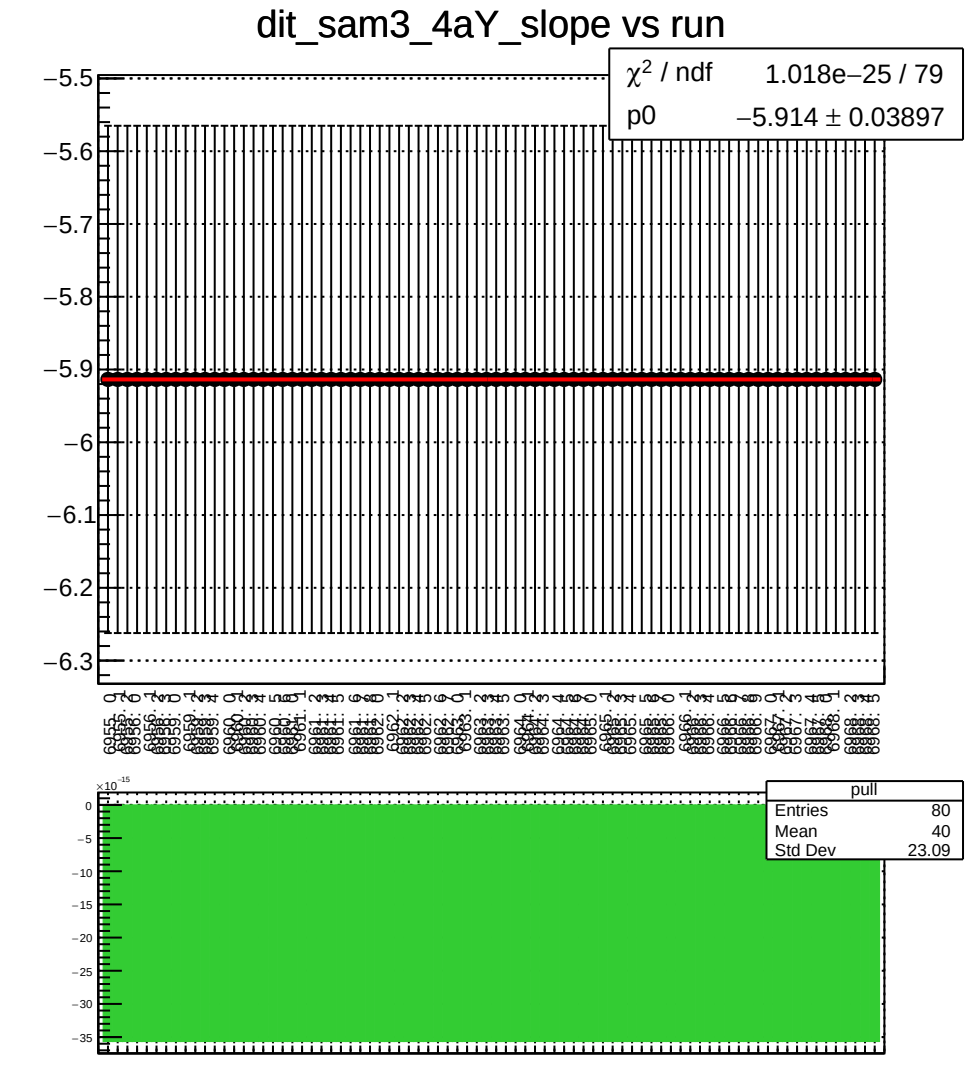

pull1D
Entries 80
Mean −4.594e−15
Std Dev1.909e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

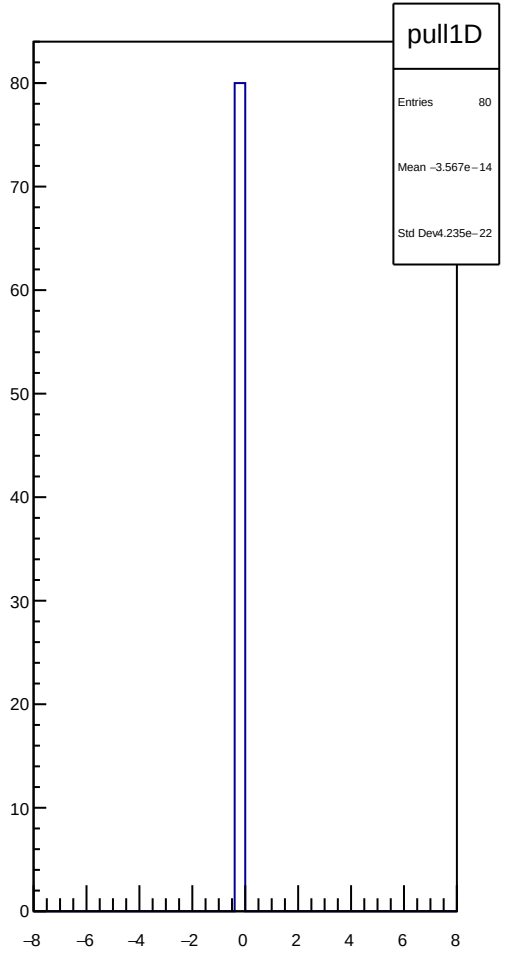

dit_sam3_4eX_slope vs run
χ² / ndf 4.235e−25 / 79
p0 −89.4 ± 0.5022
−86
−88
−90
−92
−94
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
70
60
50
40
30
20
10
0

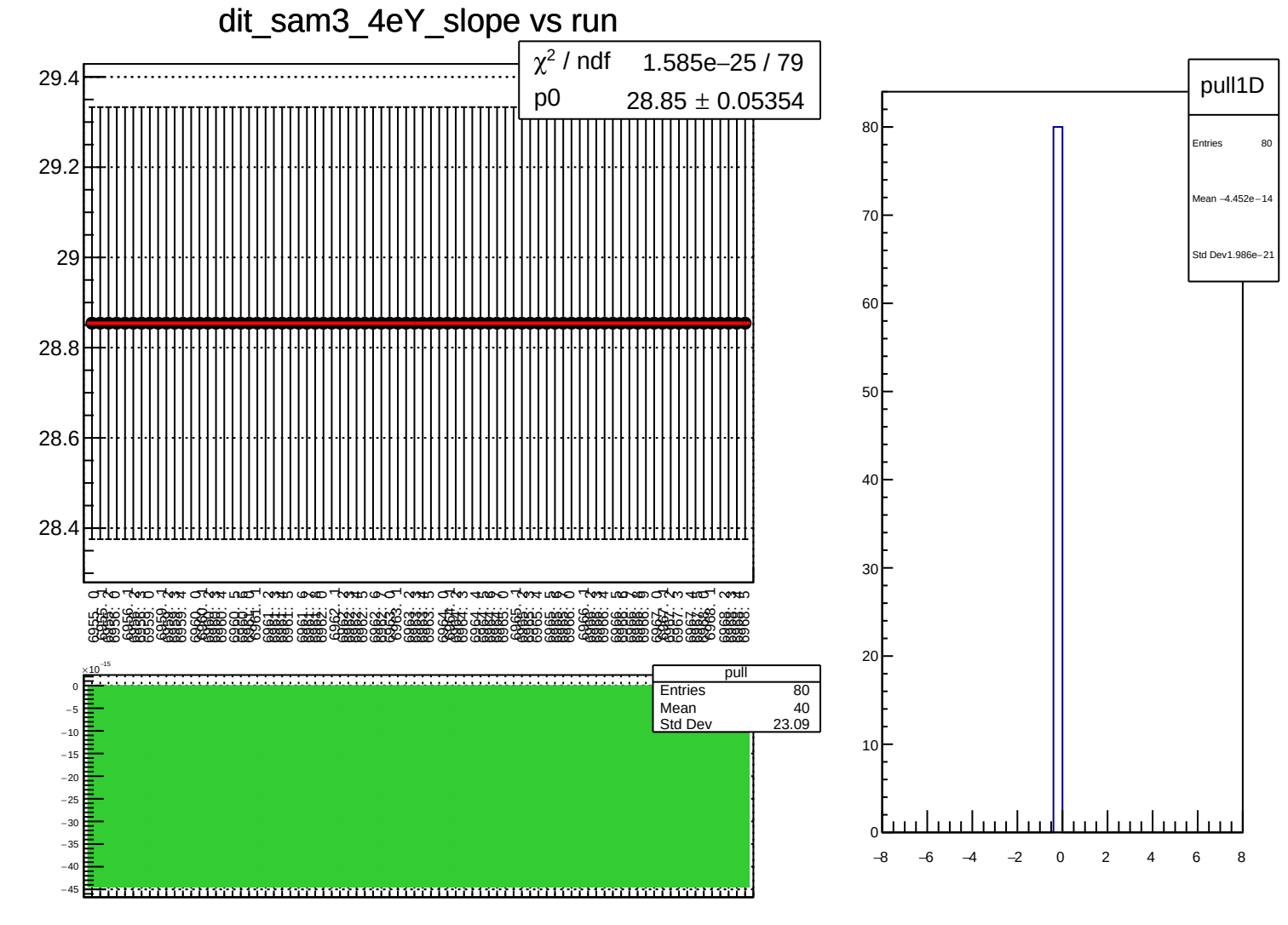

pull1D
Entries 80
Mean 7.276e−14
Std Dev4.062e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

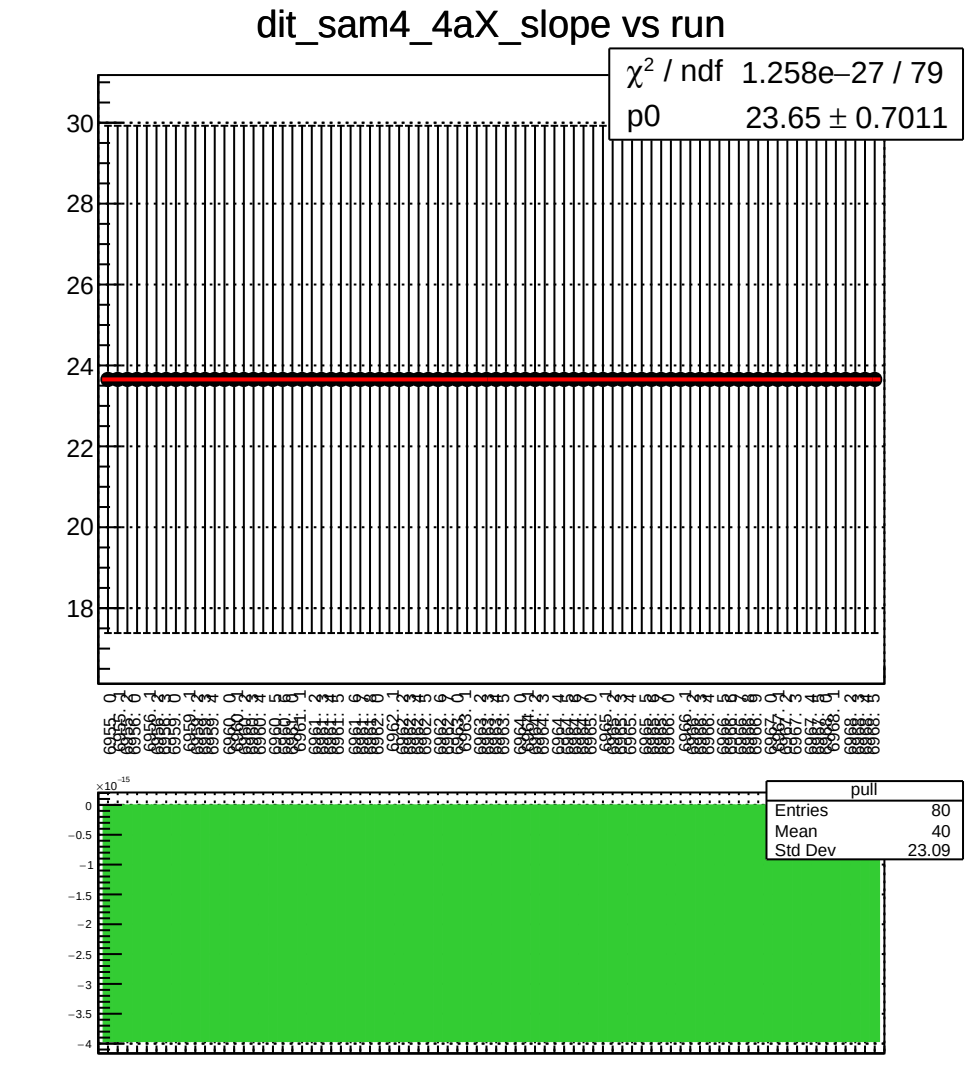

dit_sam3_11X12X_slope vs run
χ² / ndf 4.678e−28 / 79
p0 0.2144 ± 0.01412
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

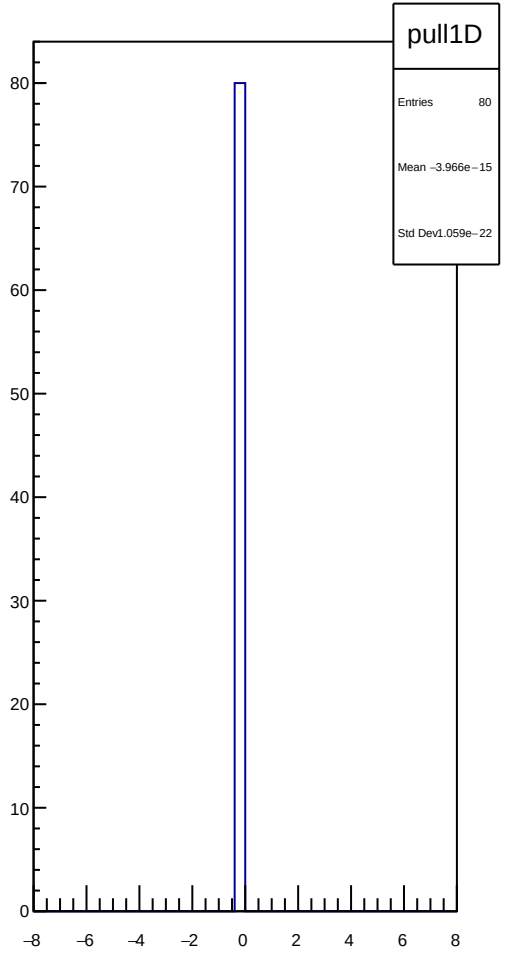

pull1D
Entries 80
Mean 2.418e−15
Std Dev 5.919e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

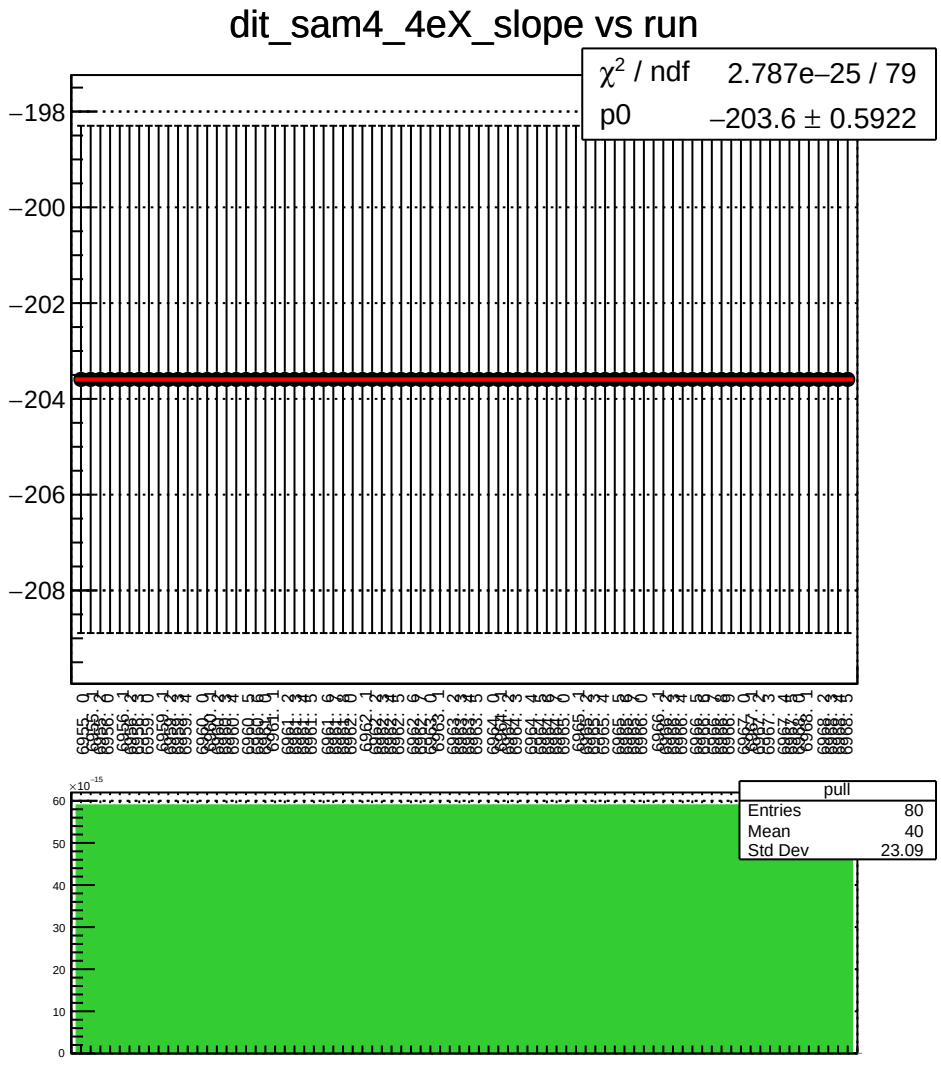

dit_sam3_4aY_slope vs run
χ² / ndf 1.018e−25 / 79
p0 −5.914 ± 0.03897
−5.5
−5.6
−5.7
−5.8
−5.9
−6
−6.1
−6.2
−6.3
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

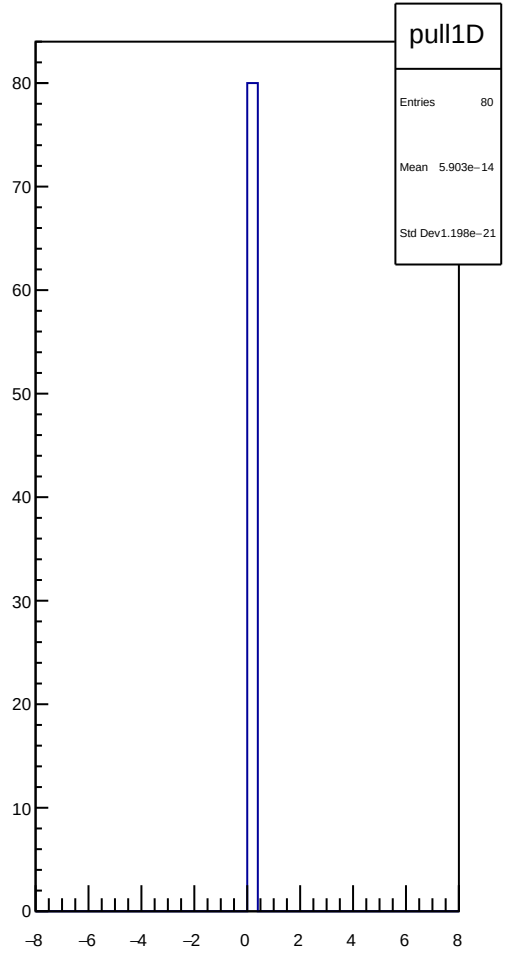

pull1D
Entries 80
Mean −3.567e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

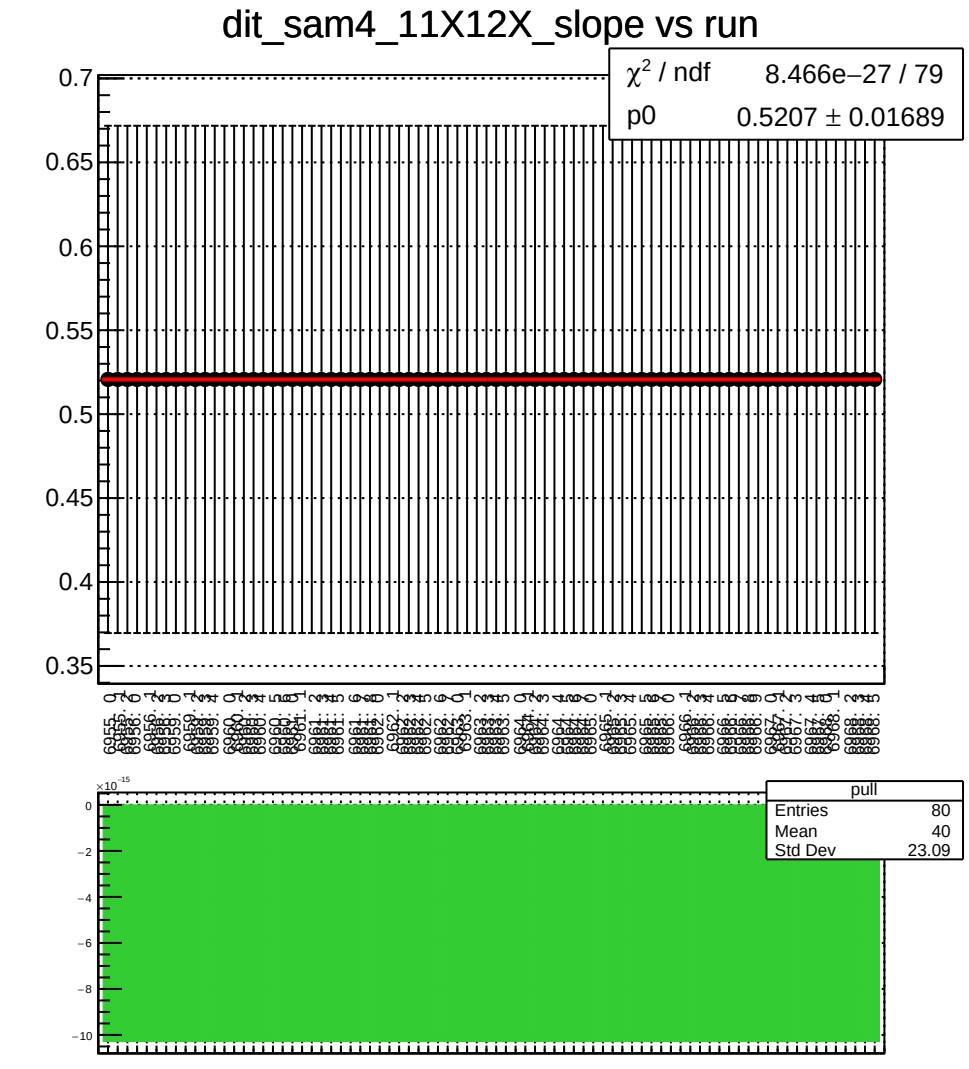

dit_sam3_4eY_slope vs run
χ² / ndf 1.585e−25 / 79
p0 28.85 ± 0.05354
29.4
29.2
29
28.8
28.6
28.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 80
Mean −4.452e−14
Std Dev1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

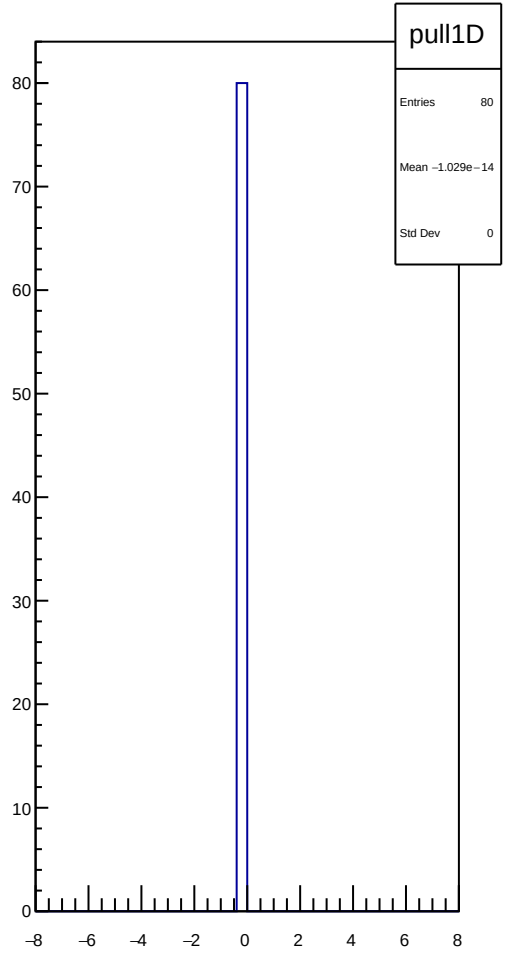

dit_sam4_4aX_slope vs run
χ² / ndf 1.258e−27 / 79
p0 23.65 ± 0.7011
pull
Entries 80
Mean 40
Std Dev 23.09

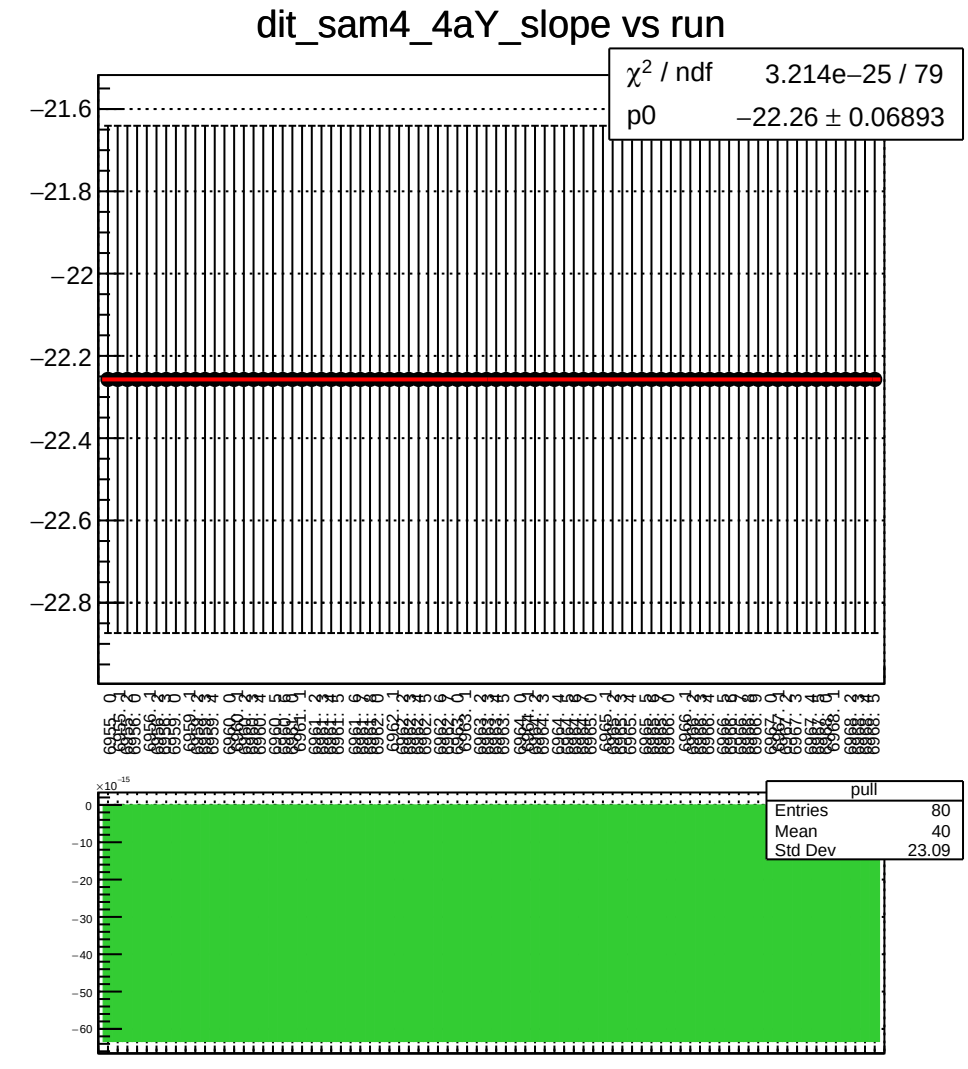

pull1D
Entries 80
Mean −3.966e−15
Std Dev1.059e−22

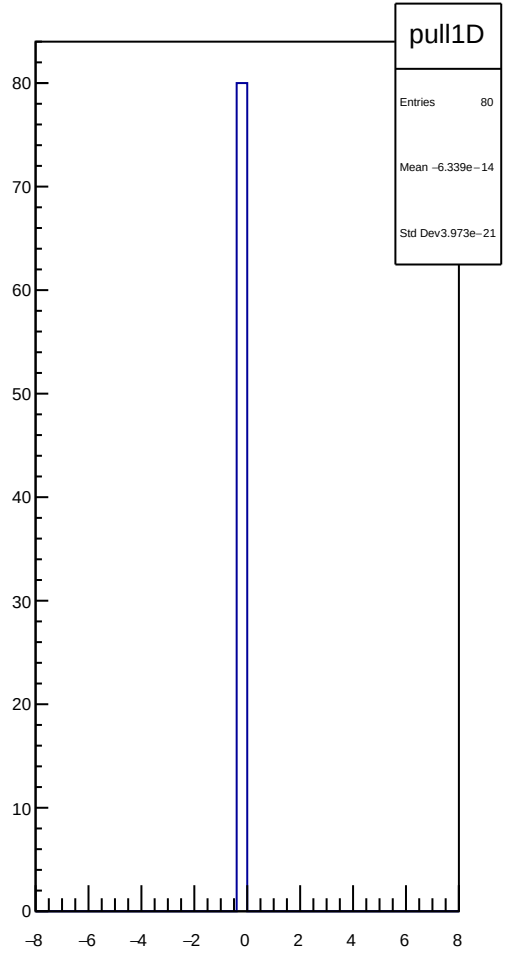

dit_sam4_4eX_slope vs run
χ² / ndf 2.787e−25 / 79
p0 −203.6 ± 0.5922
−198
−200
−202
−204
−206
−208
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
60
50
40
30
20
10
0

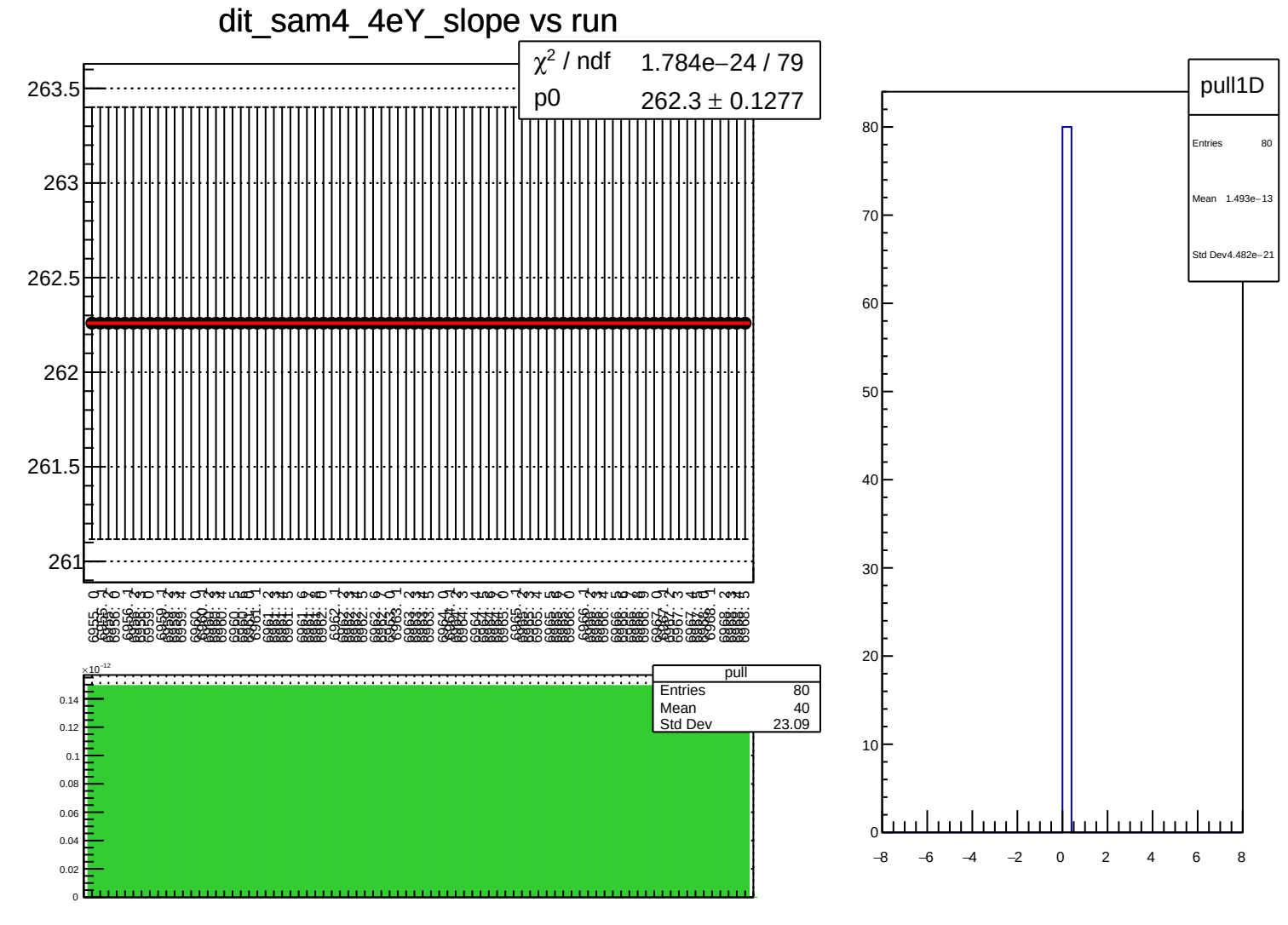

pull1D
Entries 80
Mean 5.903e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

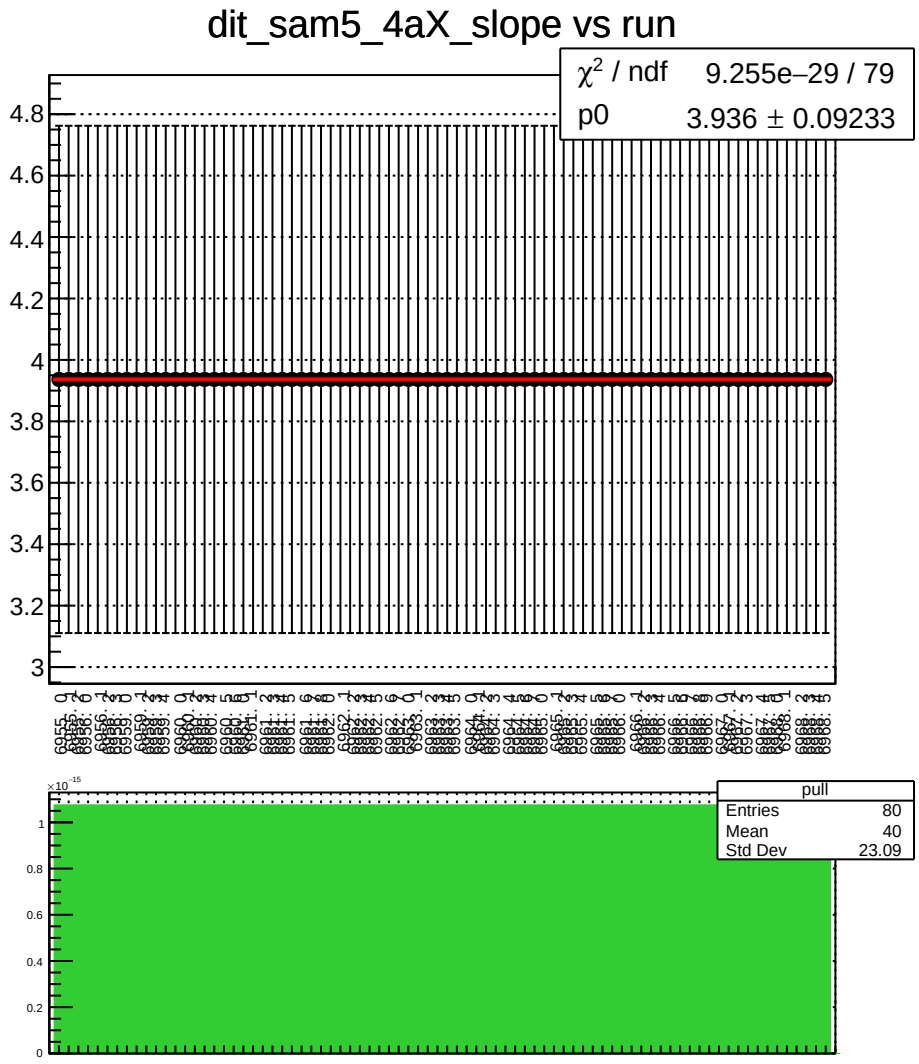

dit_sam4_11X12X_slope vs run
χ² / ndf 8.466e−27 / 79
p0 0.5207 ± 0.01689
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10

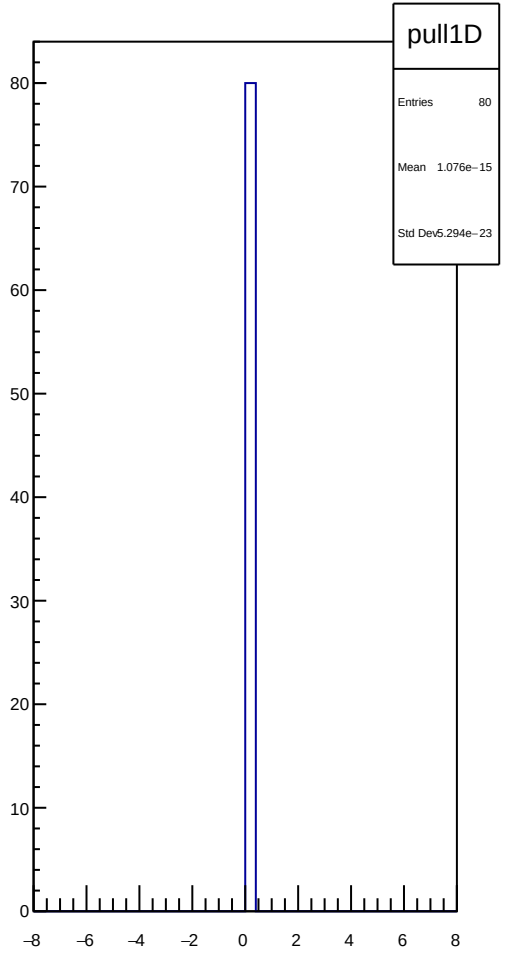

pull1D
Entries 80
Mean −1.029e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

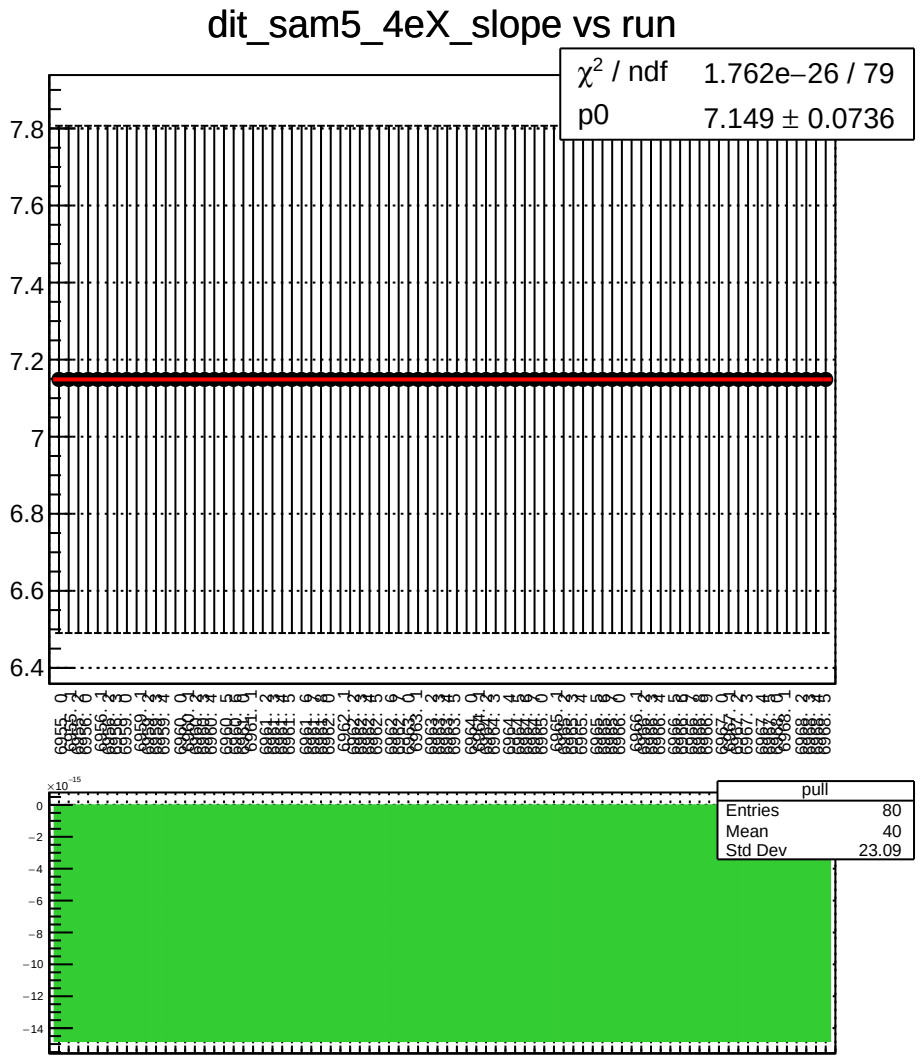

dit_sam4_4aY_slope vs run
χ² / ndf 3.214e−25 / 79
p0 −22.26 ± 0.06893
−21.6
−21.8
−22
−22.2
−22.4
−22.6
−22.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

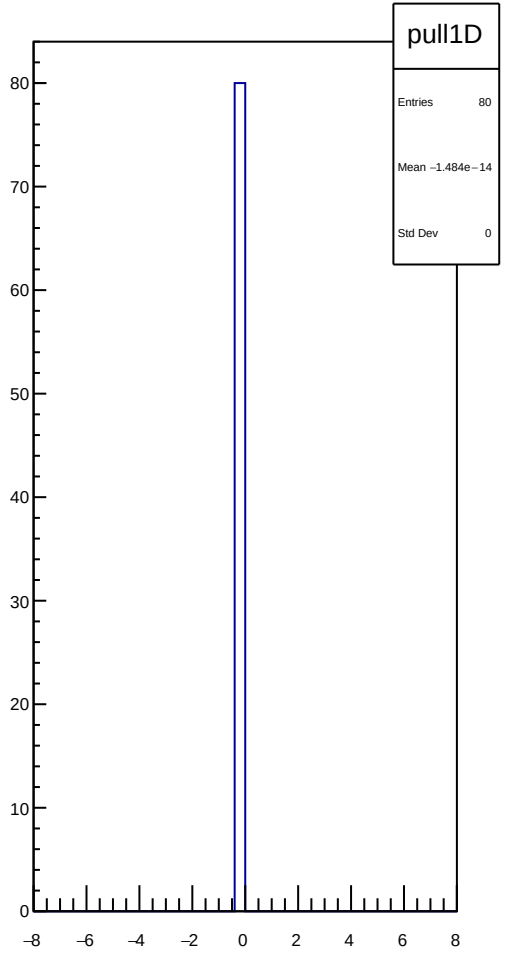

pull1D
Entries 80
Mean −6.339e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

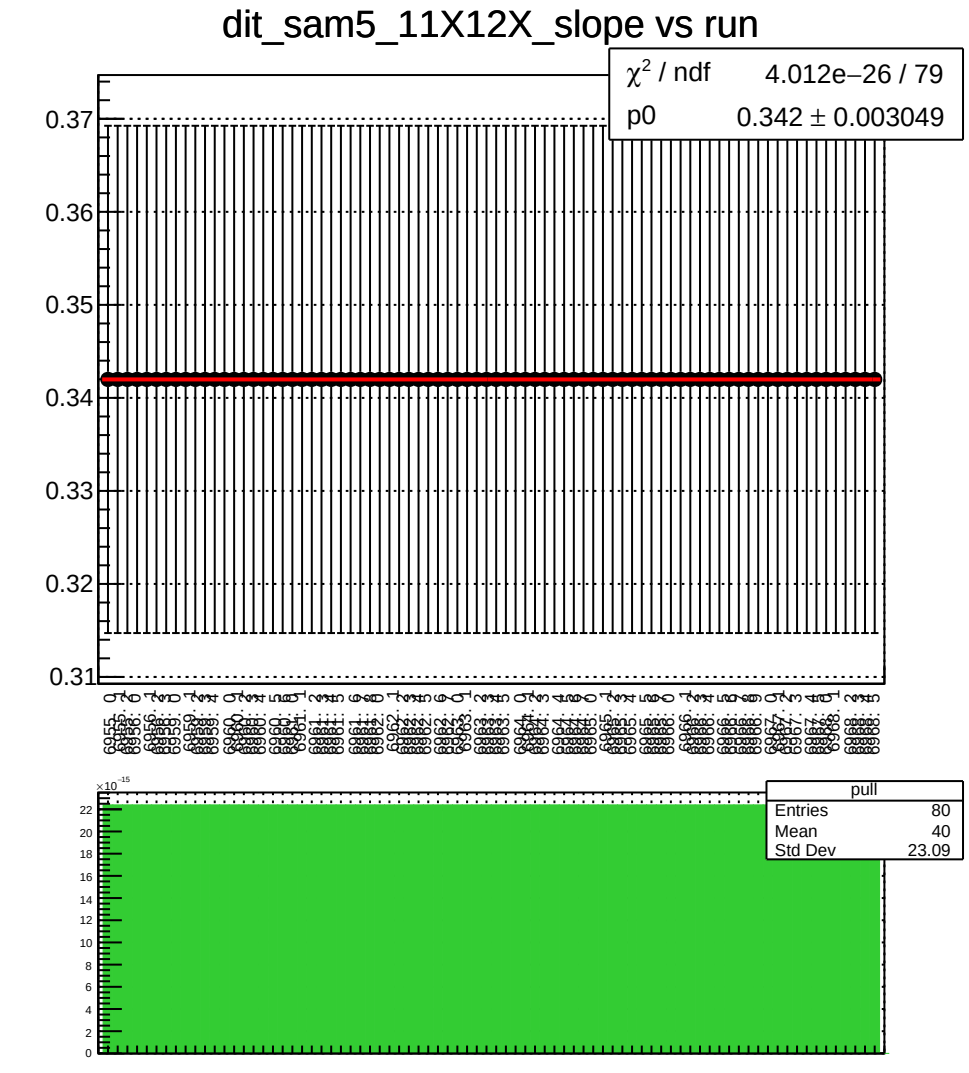

dit_sam4_4eY_slope vs run
χ² / ndf 1.784e−24 / 79
p0 262.3 ± 0.1277
263.5
263
262.5
262
261.5
261
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.493e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

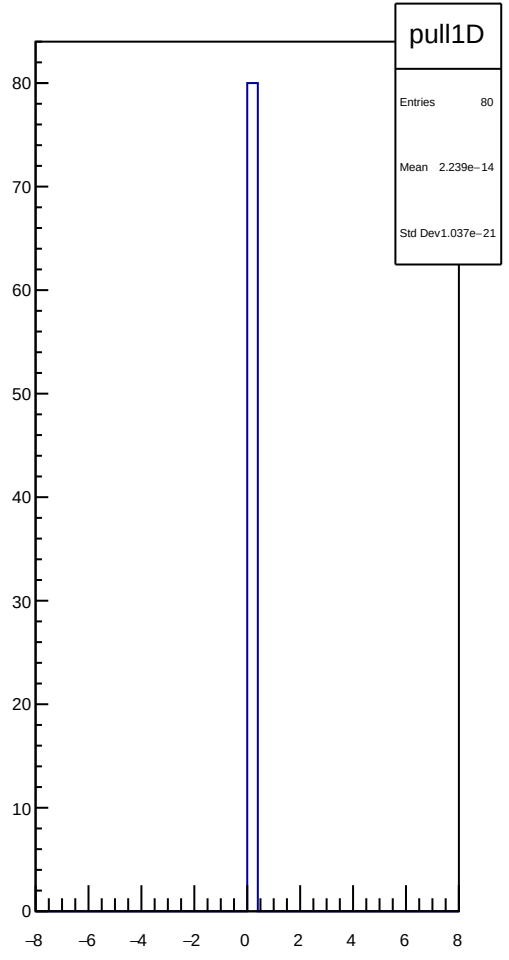

dit_sam5_4aX_slope vs run
χ² / ndf 9.255e−29 / 79
p0 3.936 ± 0.09233
pull
Entries 80
Mean 40
Std Dev 23.09

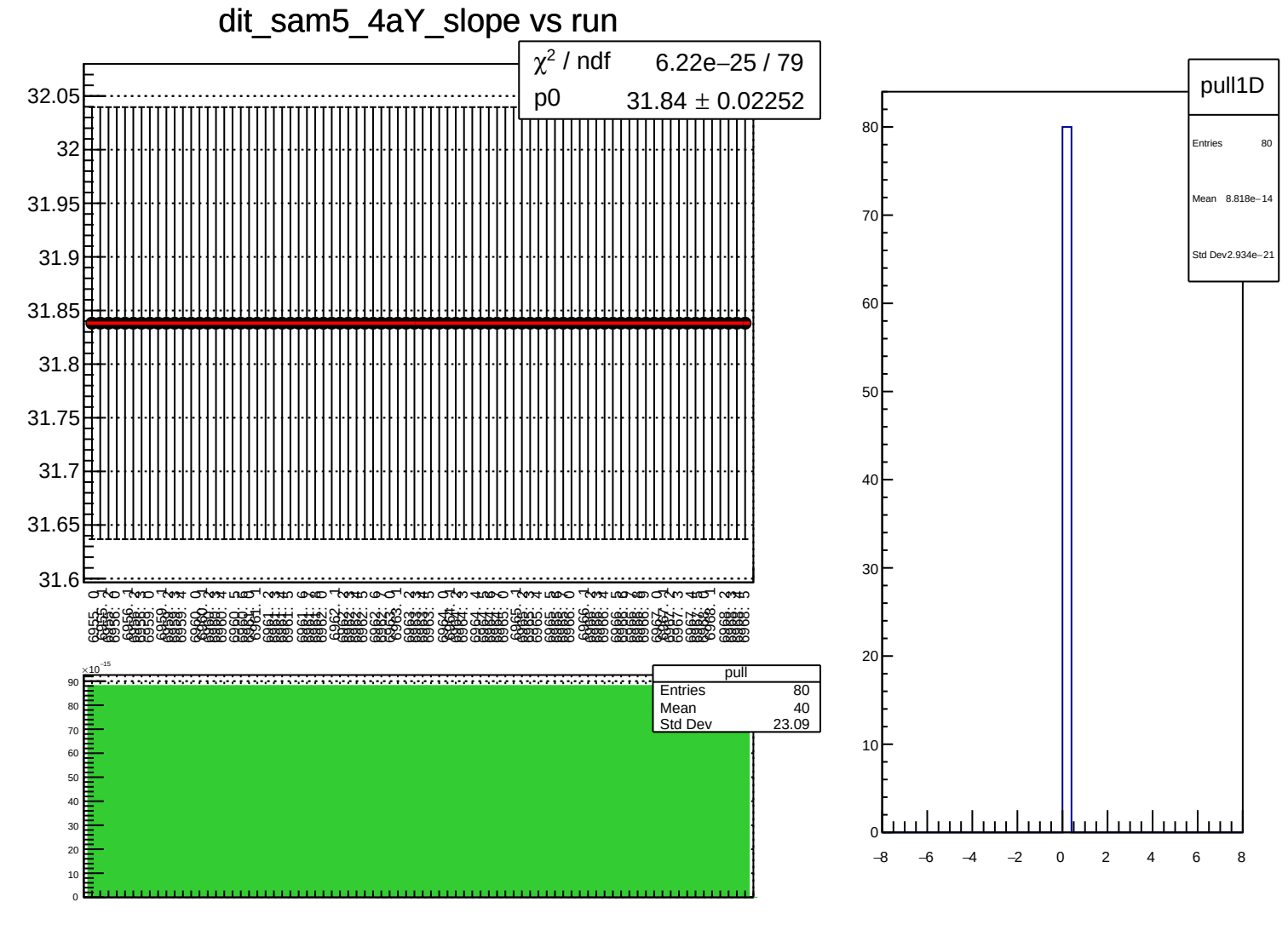

pull1D
Entries 80
Mean 1.076e−15
Std Dev 5.294e−23

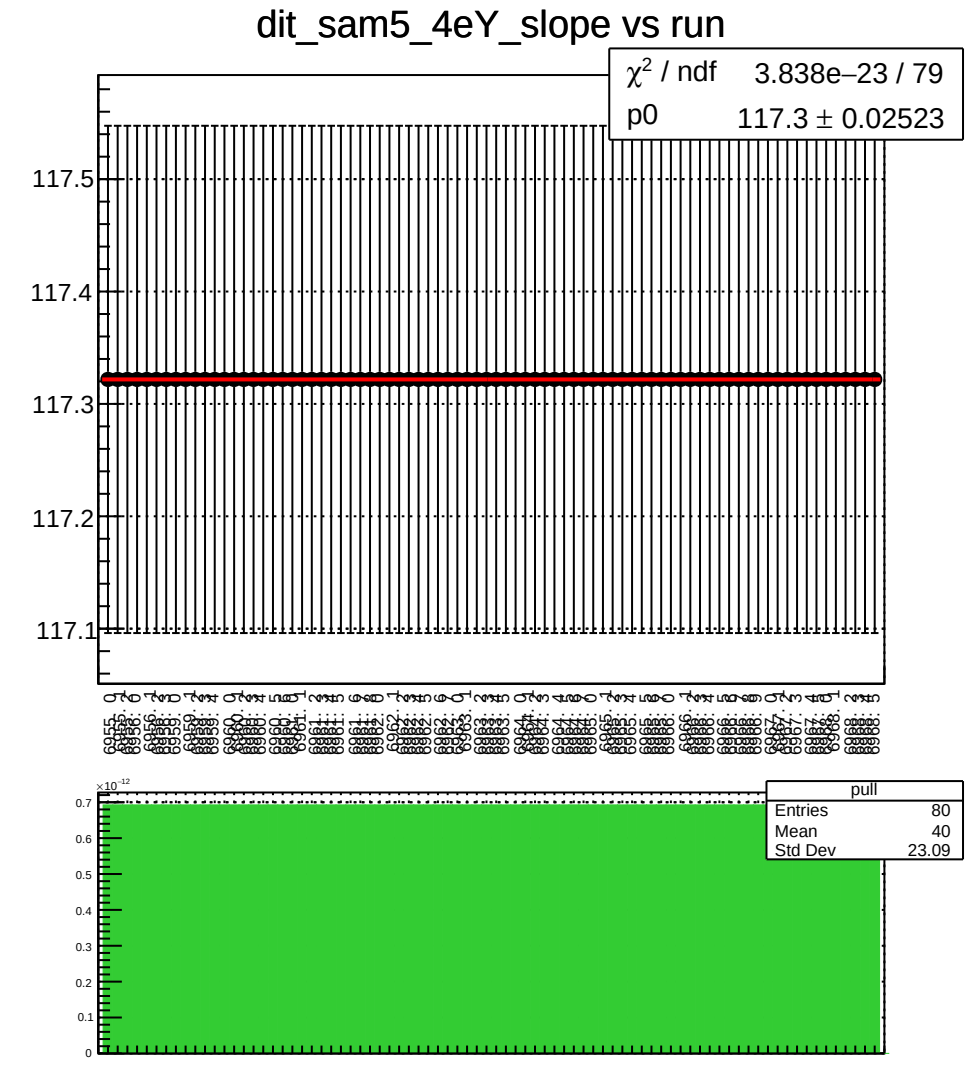

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.762e−26 / 79
p0 7.149 ± 0.0736
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−2
−4
−6
−8
−10
−12
−14

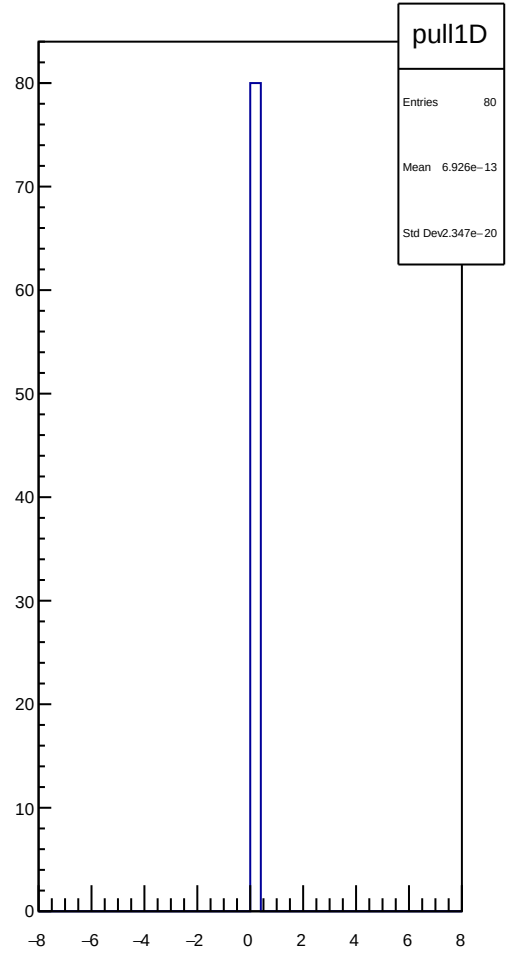

pull1D
Entries 80
Mean −1.484e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

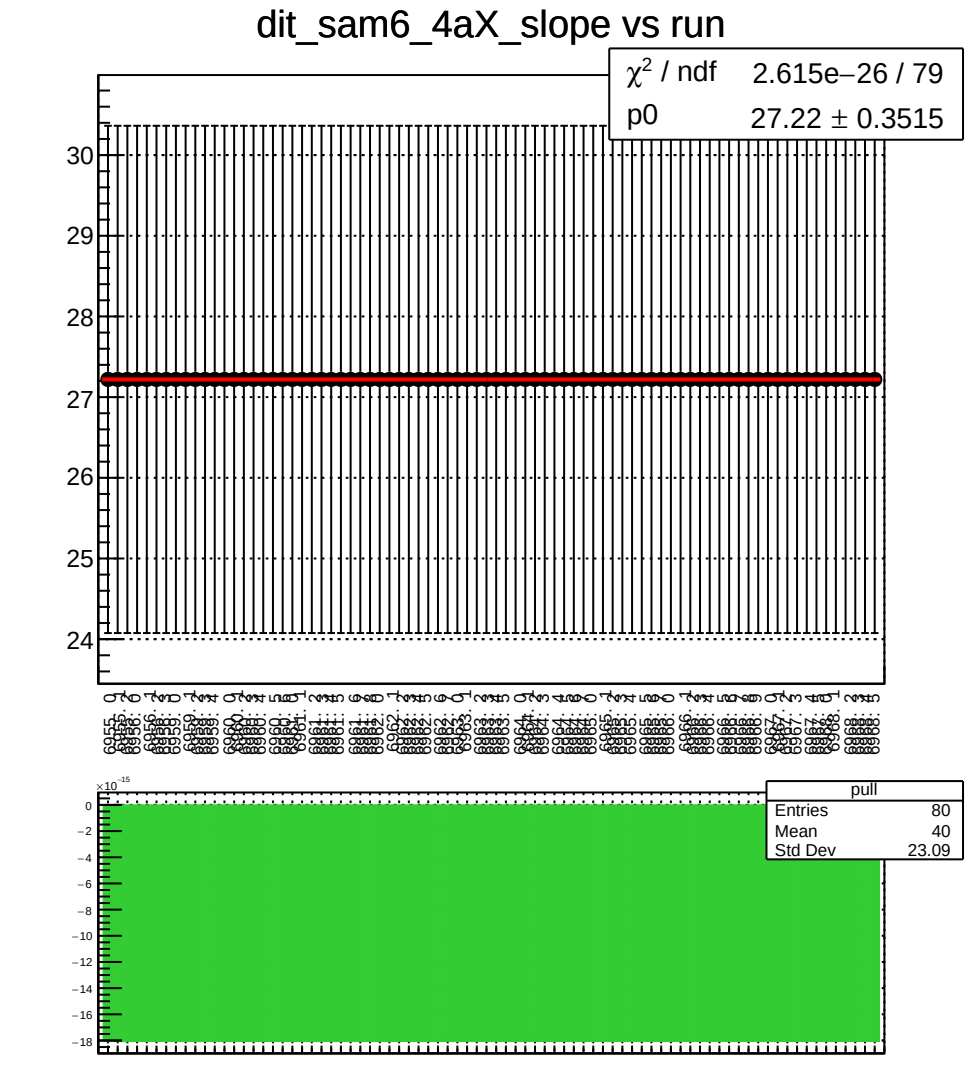

dit_sam5_11X12X_slope vs run
χ² / ndf 4.012e−26 / 79
p0 0.342 ± 0.003049
0.37
0.36
0.35
0.34
0.33
0.32
0.31
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

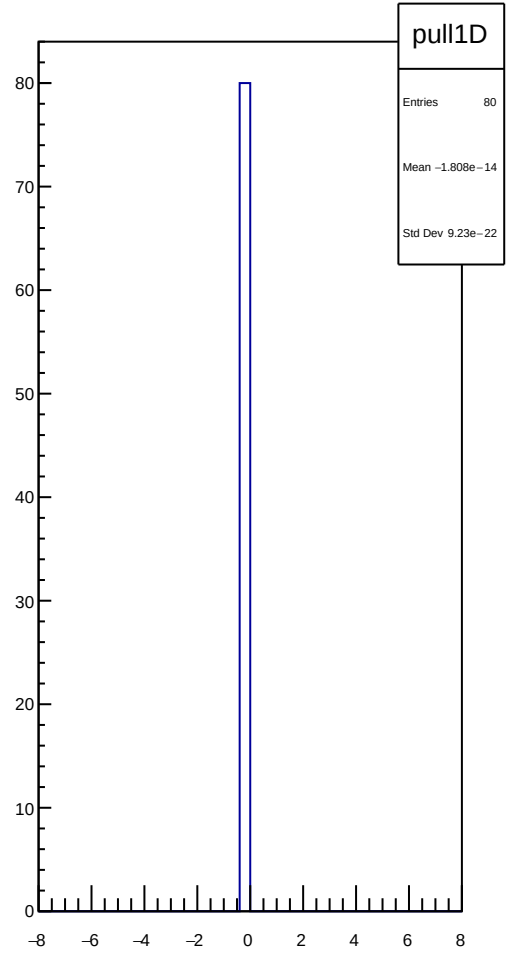

pull1D
Entries 80
Mean 2.239e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

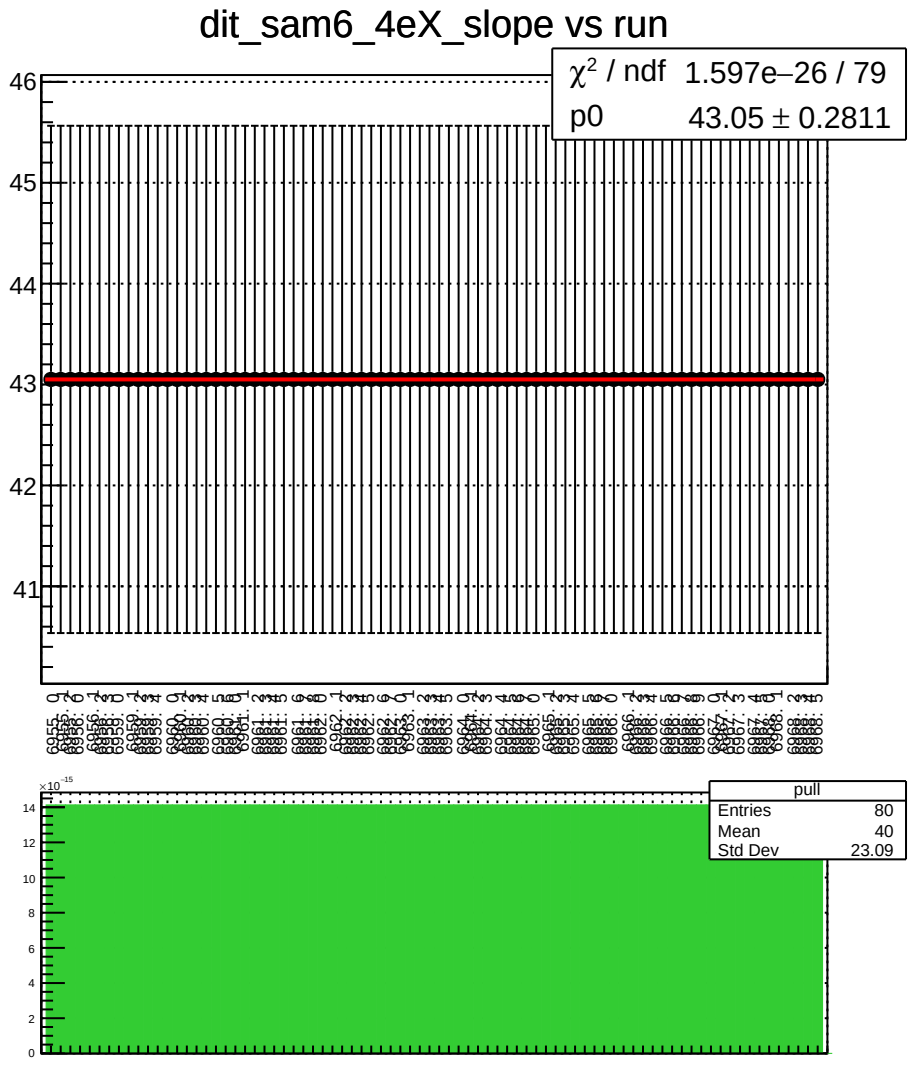

dit_sam5_4aY_slope vs run
χ² / ndf 6.22e−25 / 79
p0 31.84 ± 0.02252
32.05
32
31.95
31.9
31.85
31.8
31.75
31.7
31.65
31.6
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.818e−14
Std Dev2.934e−21

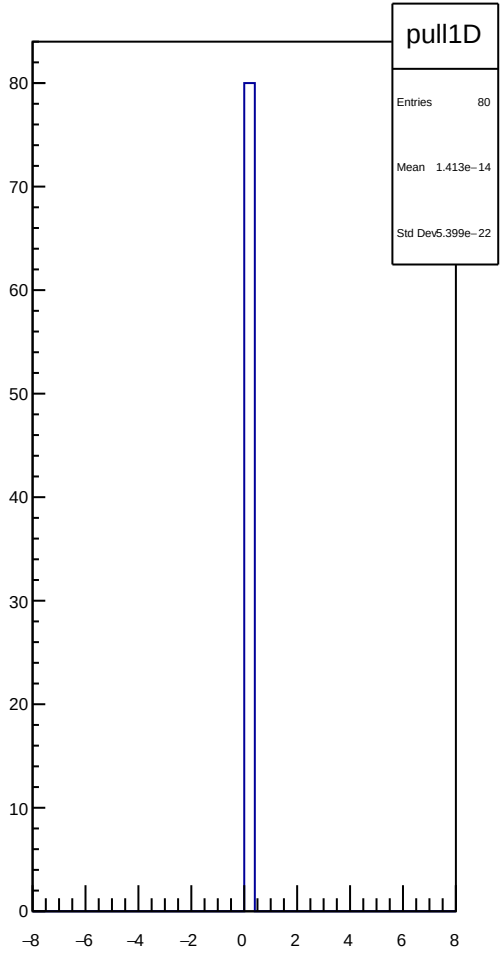

dit_sam5_4eY_slope vs run
χ^2 / ndf 3.838e−23 / 79
p0 117.3 ± 0.02523
117.5
117.4
117.3
117.2
117.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

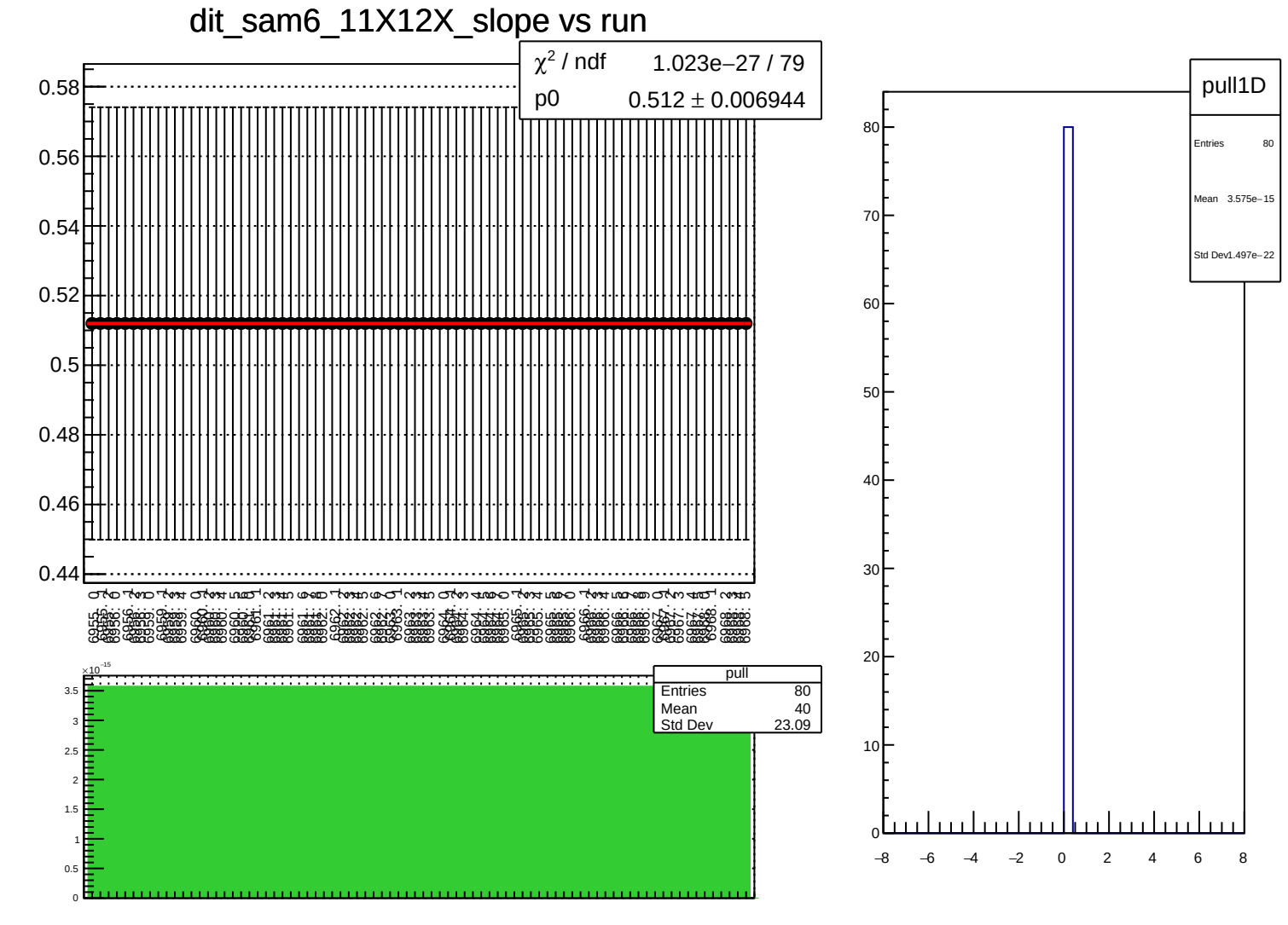

pull1D
Entries 80
Mean 6.926e−13
Std Dev 2.347e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

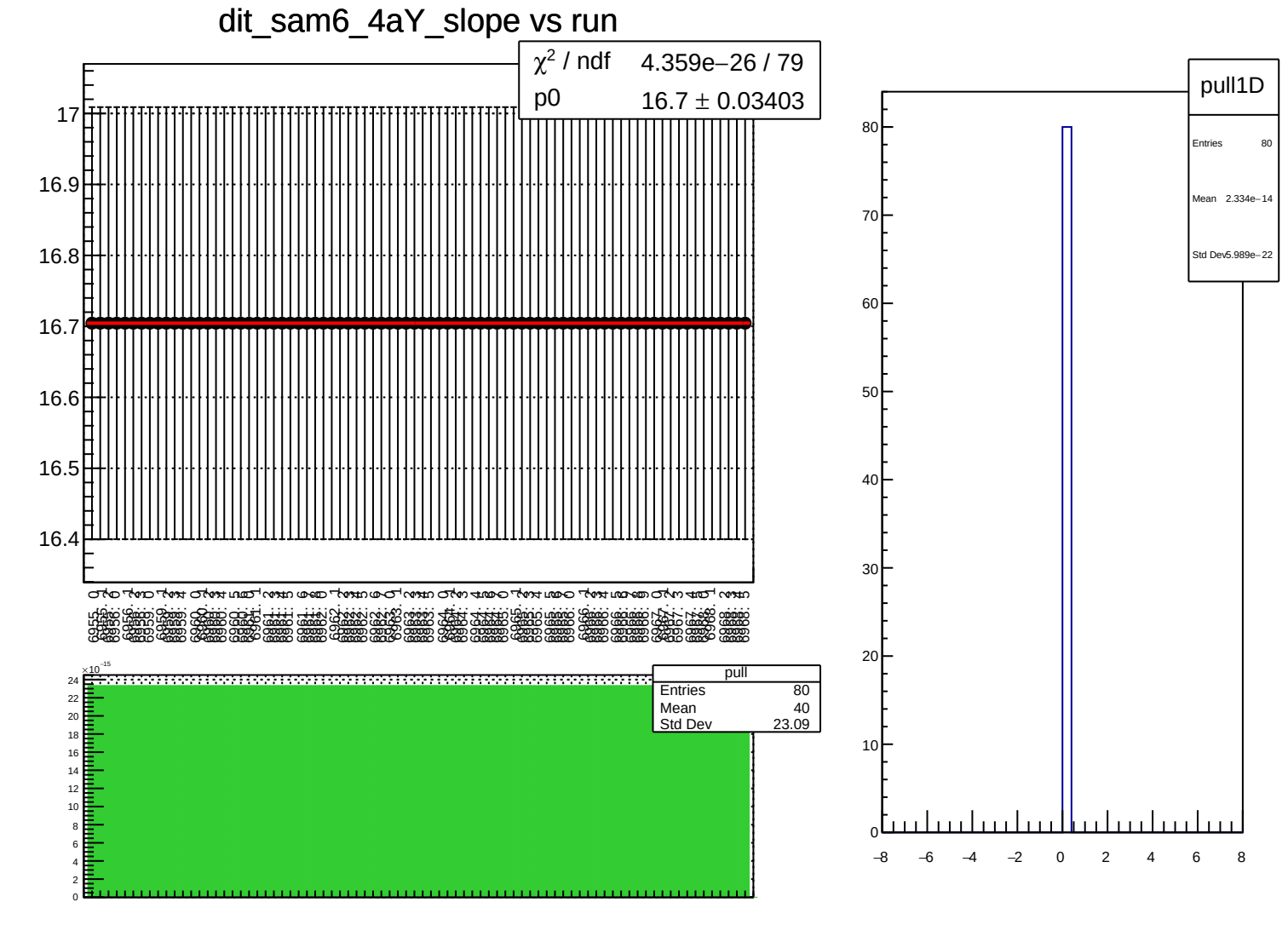

dit_sam6_4aX_slope vs run
χ² / ndf 2.615e−26 / 79
p0 27.22 ± 0.3515
30
29
28
27
26
25
24
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

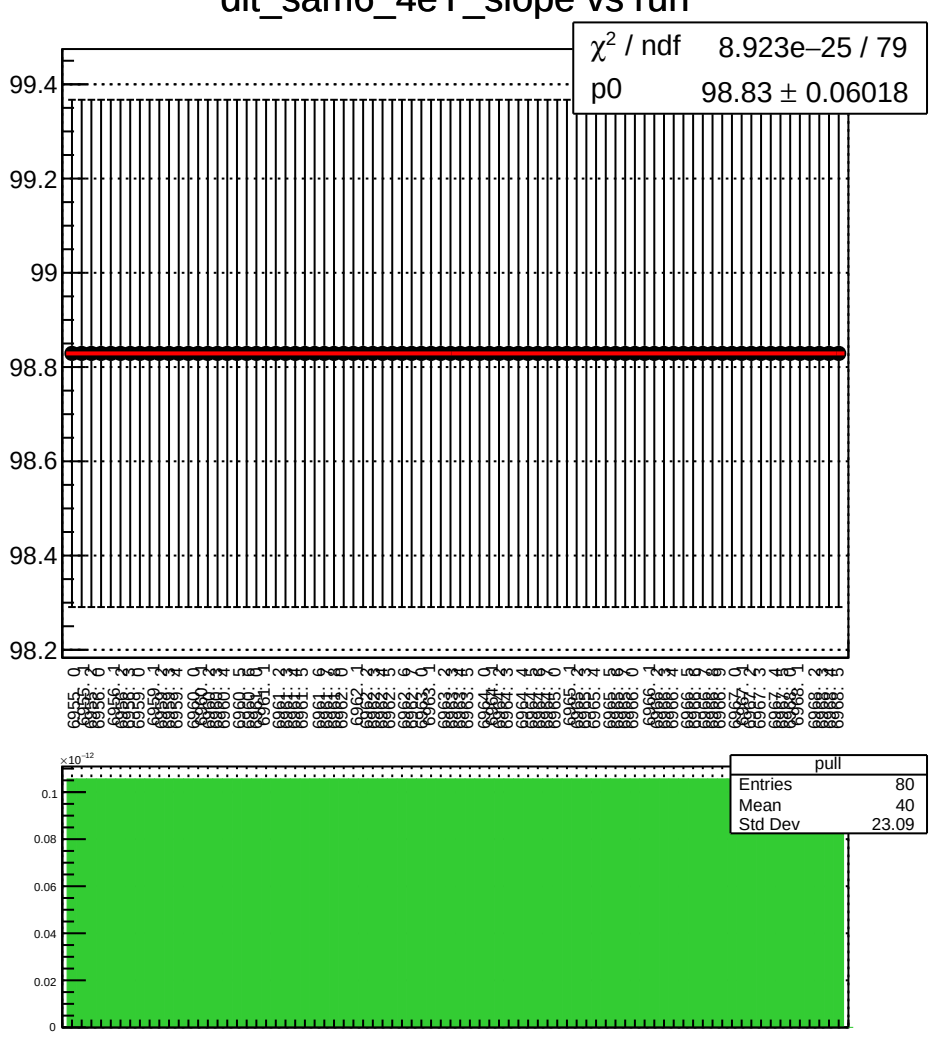

pull1D
Entries 80
Mean −1.808e−14
Std Dev 9.23e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

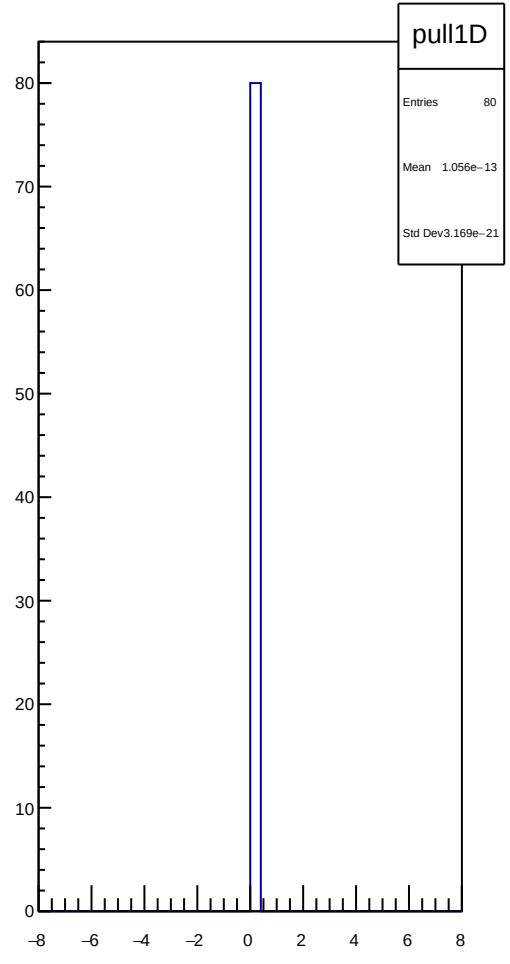

dit_sam6_4eX_slope vs run
χ^2 / ndf 1.597e−26 / 79
p0 43.05 ± 0.2811
pull
Entries 80
Mean 40
Std Dev 23.09

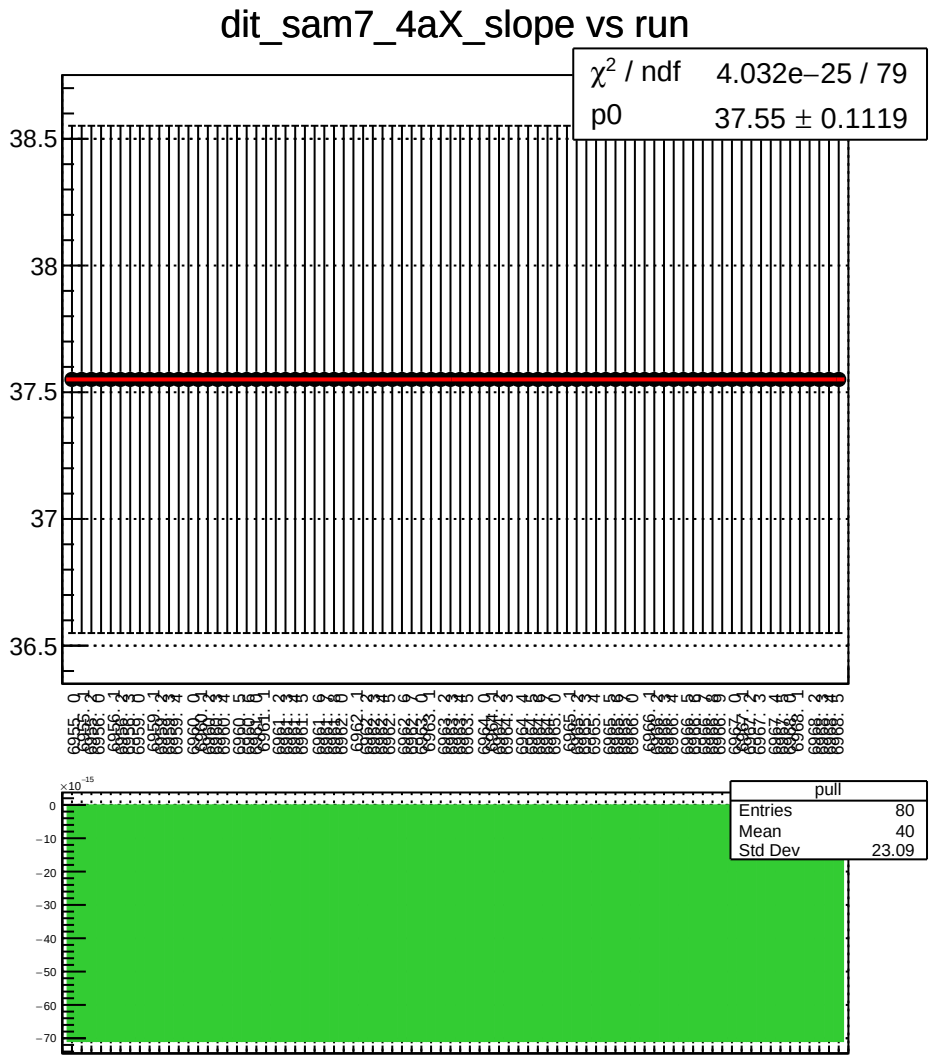

pull1D
Entries 80
Mean 1.413e−14
Std Dev 5.399e−22

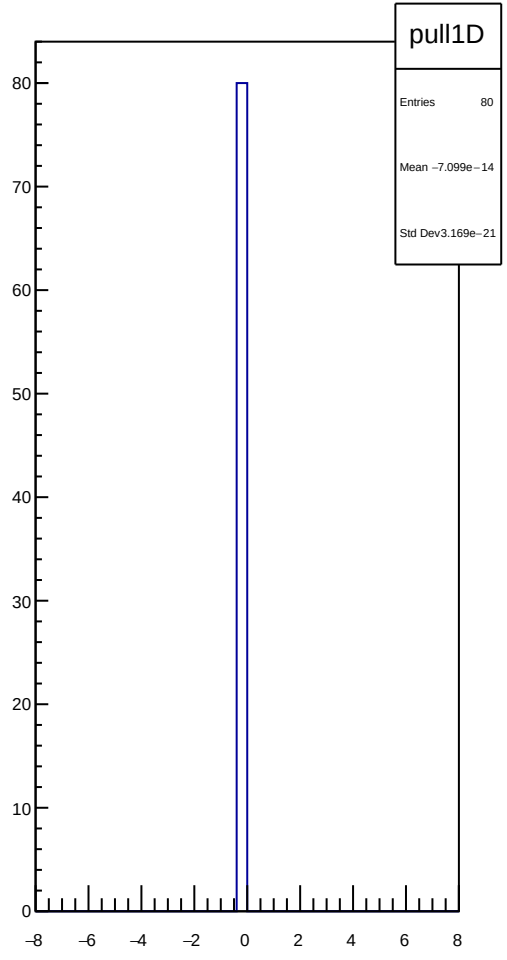

dit_sam6_11X12X_slope vs run
χ² / ndf 1.023e−27 / 79
p0 0.512 ± 0.006944
0.58
0.56
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 80
Mean 3.575e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

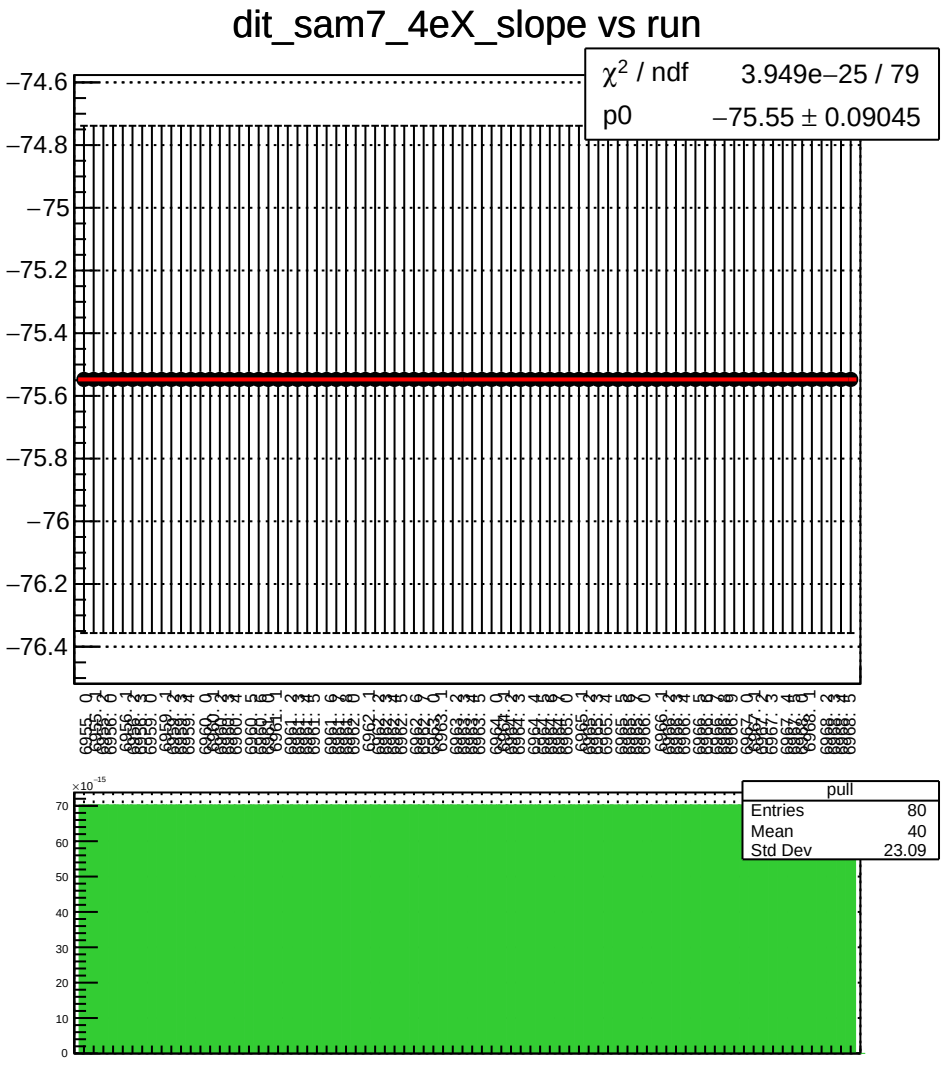

dit_sam6_4aY_slope vs run
χ² / ndf 4.359e−26 / 79
p0 16.7 ± 0.03403
17
16.9
16.8
16.7
16.6
16.5
16.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 80
Mean 2.334e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

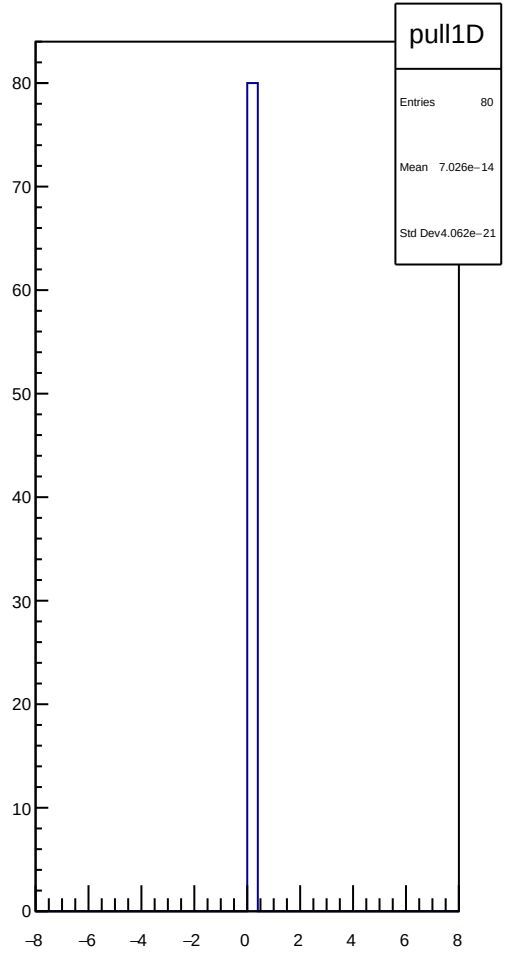

dit_sam6_4eY_slope vs run
χ^2 / ndf 8.923e−25 / 79
p0 98.83 ± 0.06018
99.4
99.2
99
98.8
98.6
98.4
98.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

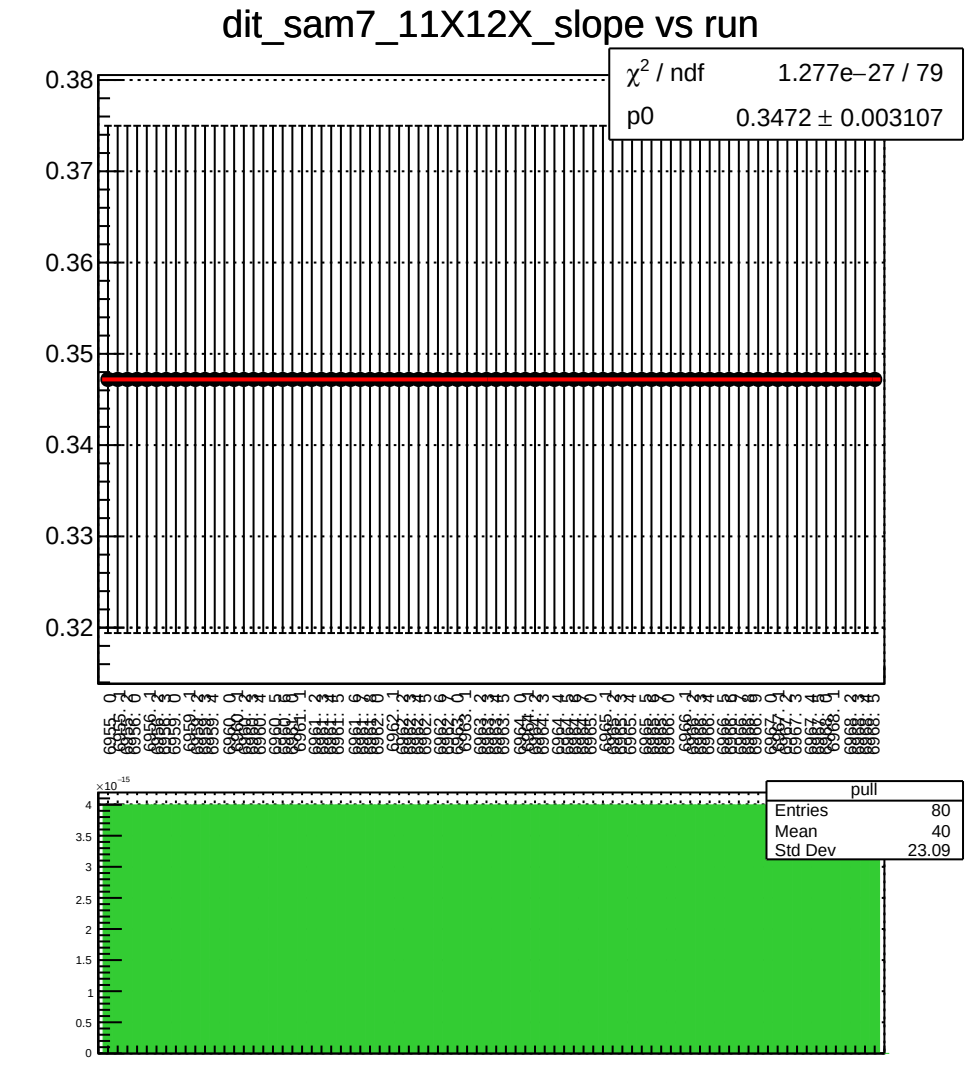

pull1D
Entries 80
Mean 1.056e−13
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

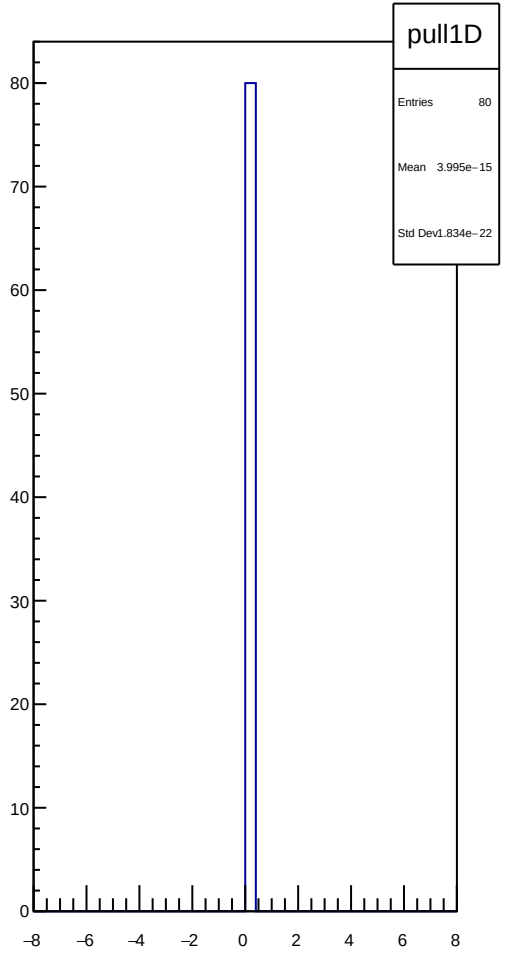

dit_sam7_4aX_slope vs run
χ² / ndf 4.032e−25 / 79
p0 37.55 ± 0.1119
38.5
38
37.5
37
36.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

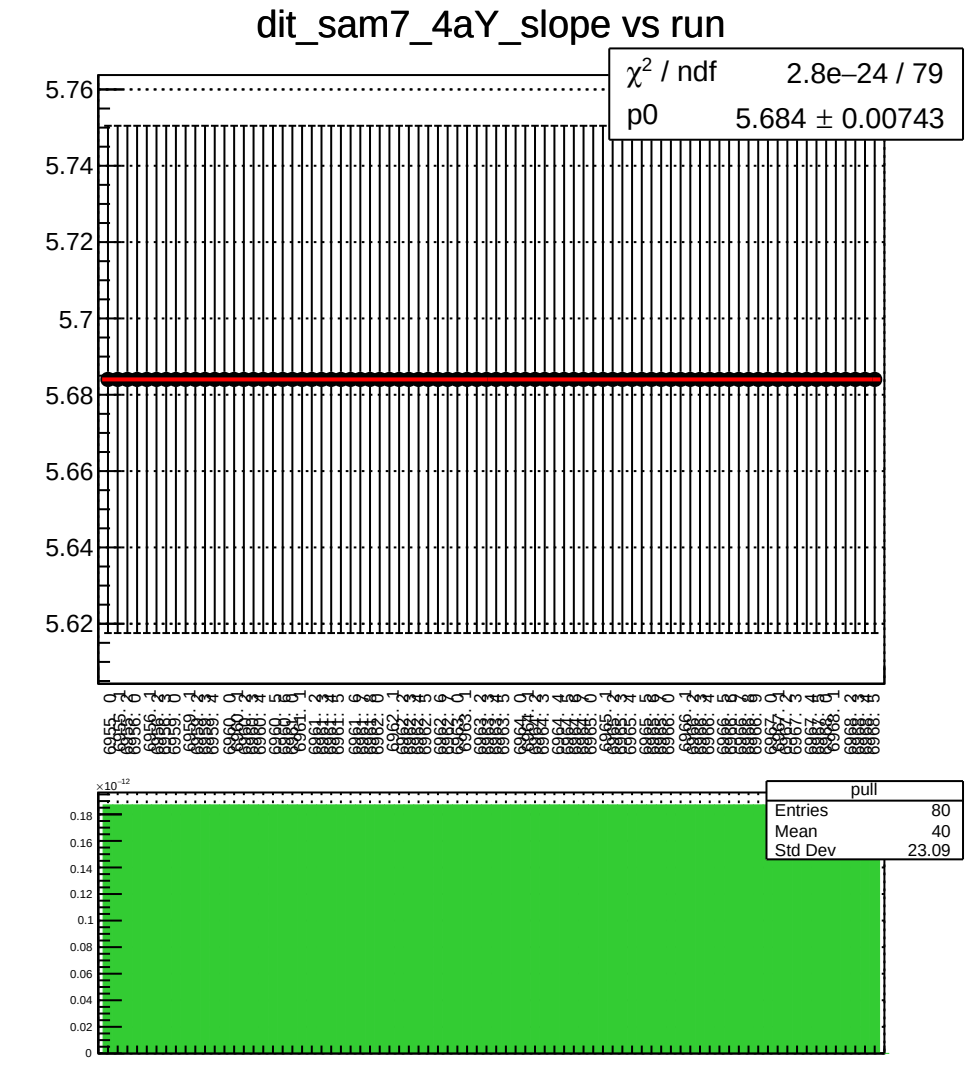

pull1D
Entries 80
Mean −7.099e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

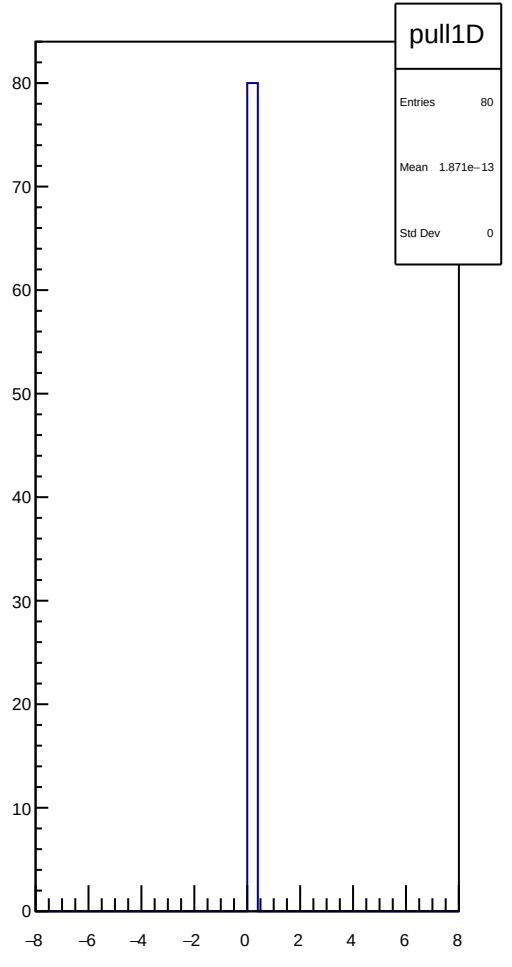

dit_sam7_4eX_slope vs run
χ² / ndf 3.949e−25 / 79
p0 −75.55 ± 0.09045
−74.6
−74.8
−75
−75.2
−75.4
−75.6
−75.8
−76
−76.2
−76.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
70
60
50
40
30
20
10
0

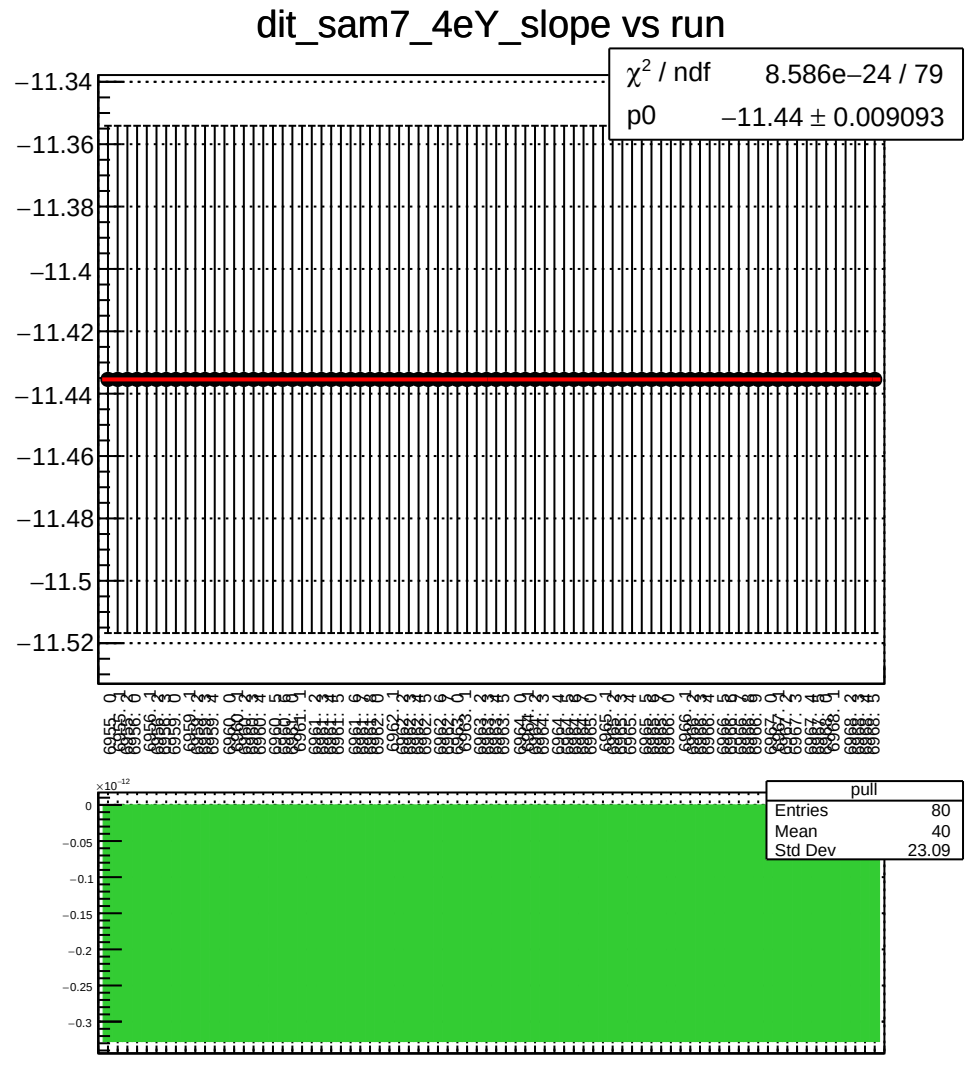

pull1D
Entries 80
Mean 7.026e−14
Std Dev4.062e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

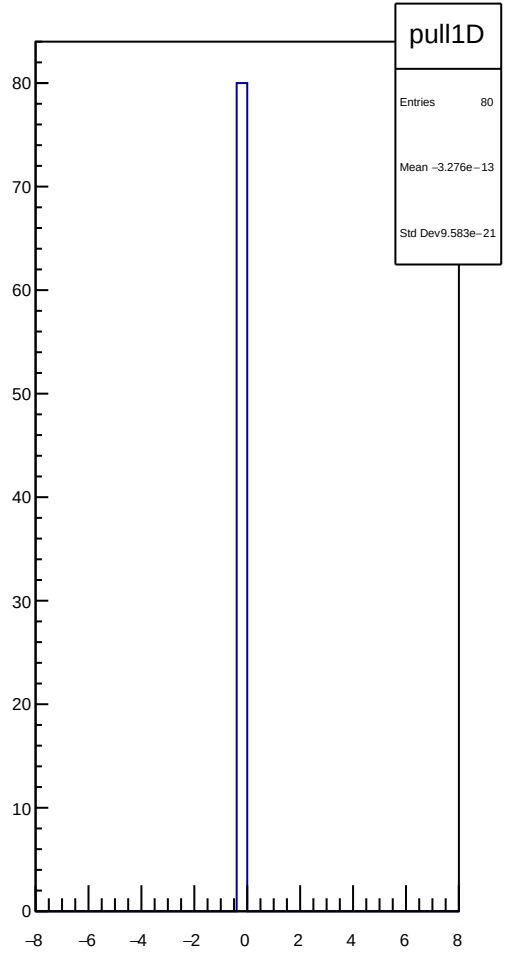

dit_sam7_11X12X_slope vs run
χ² / ndf 1.277e−27 / 79
p0 0.3472 ± 0.003107
0.38
0.37
0.36
0.35
0.34
0.33
0.32
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

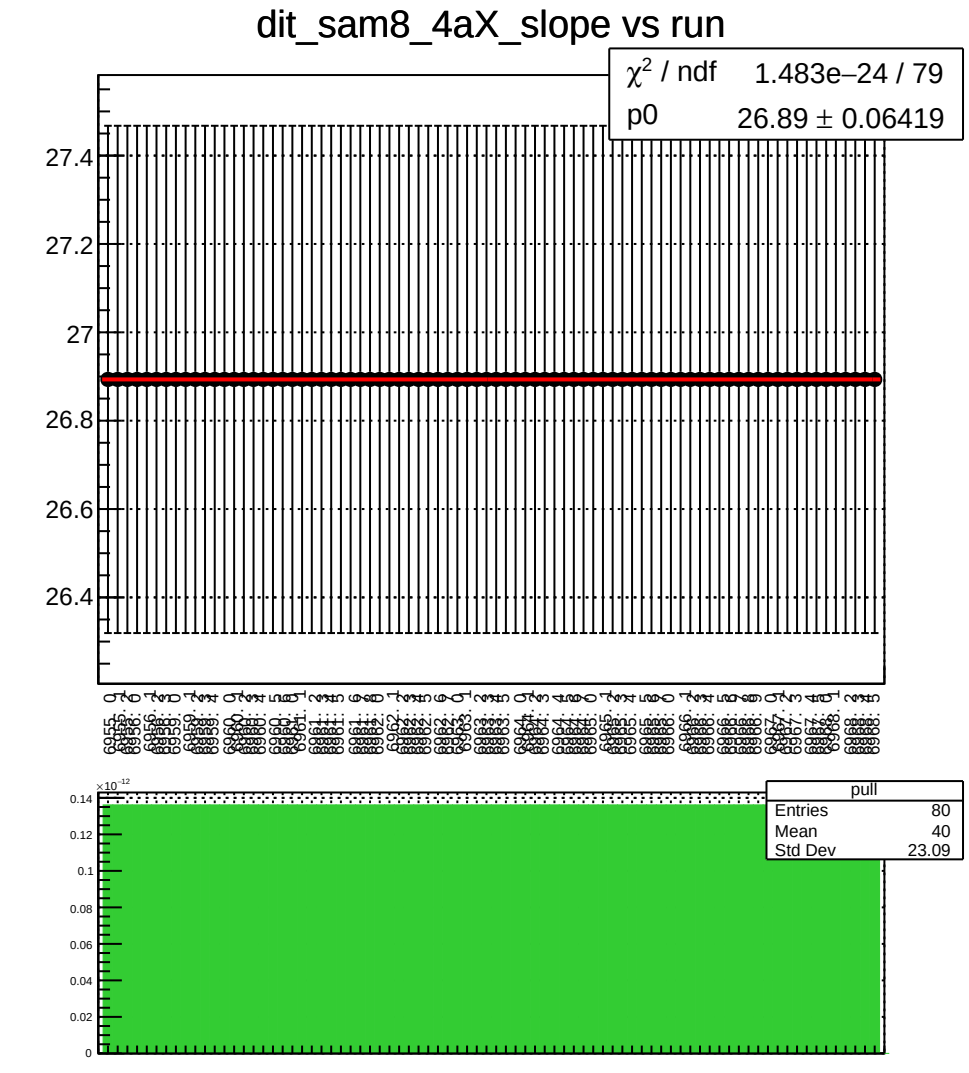

pull1D
Entries 80
Mean 3.995e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

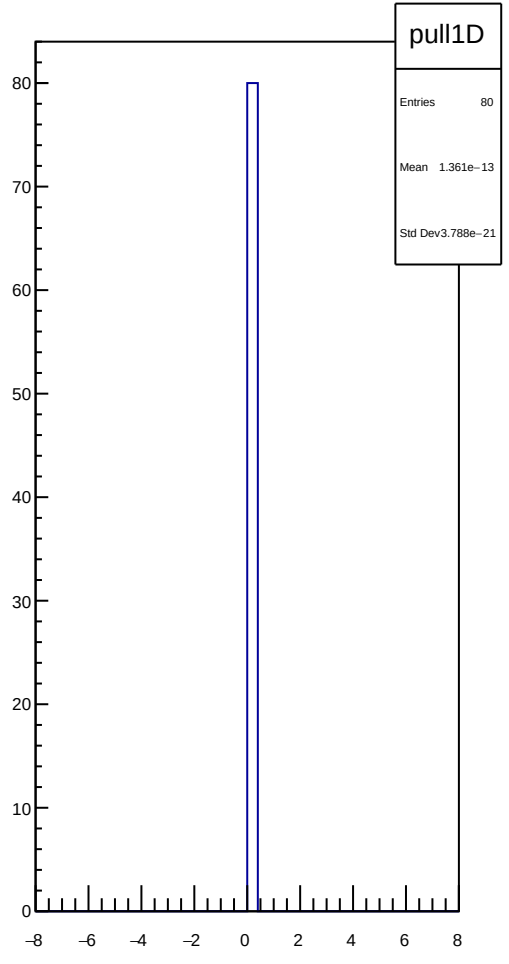

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.8e−24 / 79
p0 5.684 ± 0.00743
5.76
5.74
5.72
5.7
5.68
5.66
5.64
5.62
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

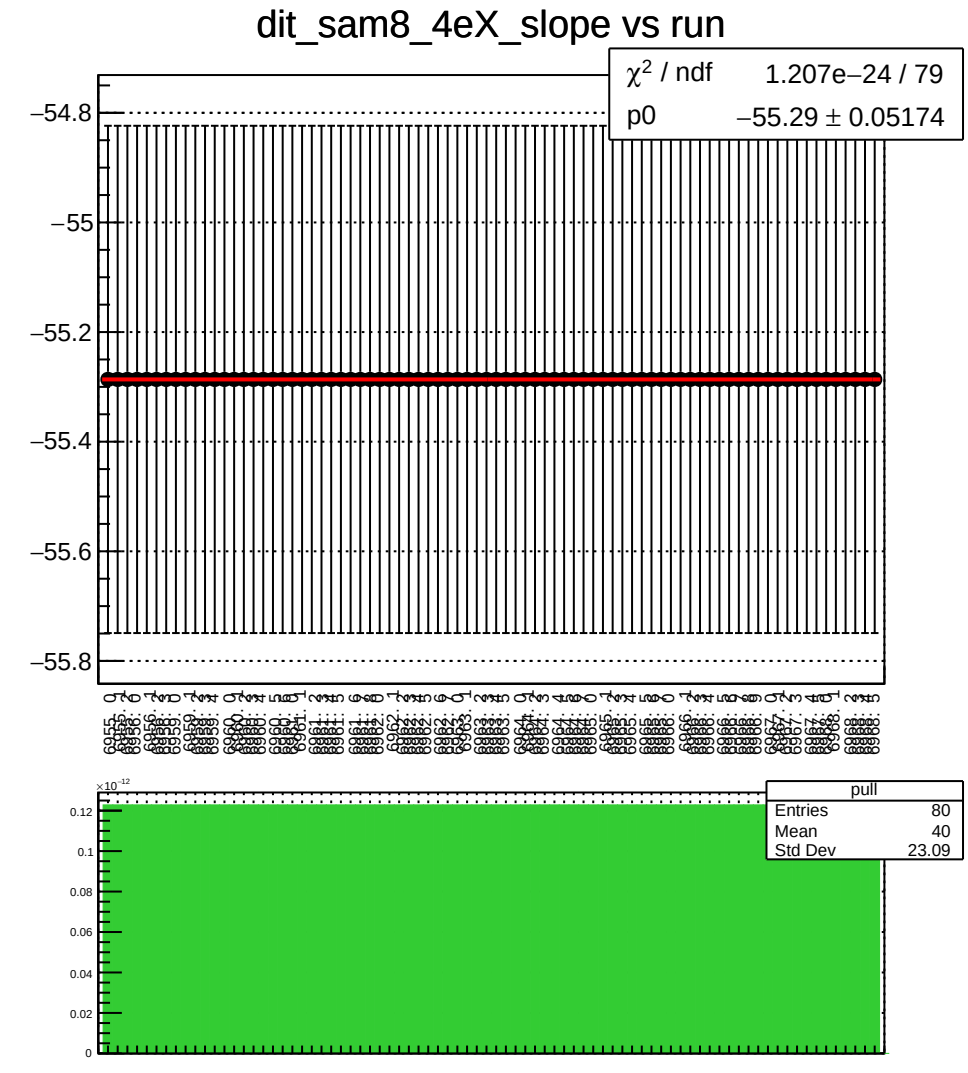

pull1D
Entries 80
Mean 1.871e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

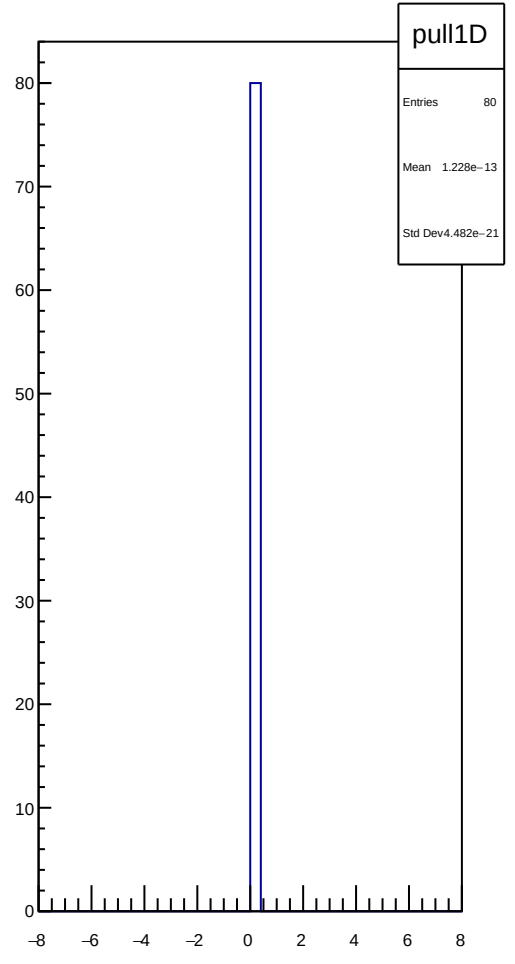

dit_sam7_4eY_slope vs run
χ² / ndf 8.586e−24 / 79
p0 −11.44 ± 0.009093
−11.34
−11.36
−11.38
−11.4
−11.42
−11.44
−11.46
−11.48
−11.5
−11.52
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

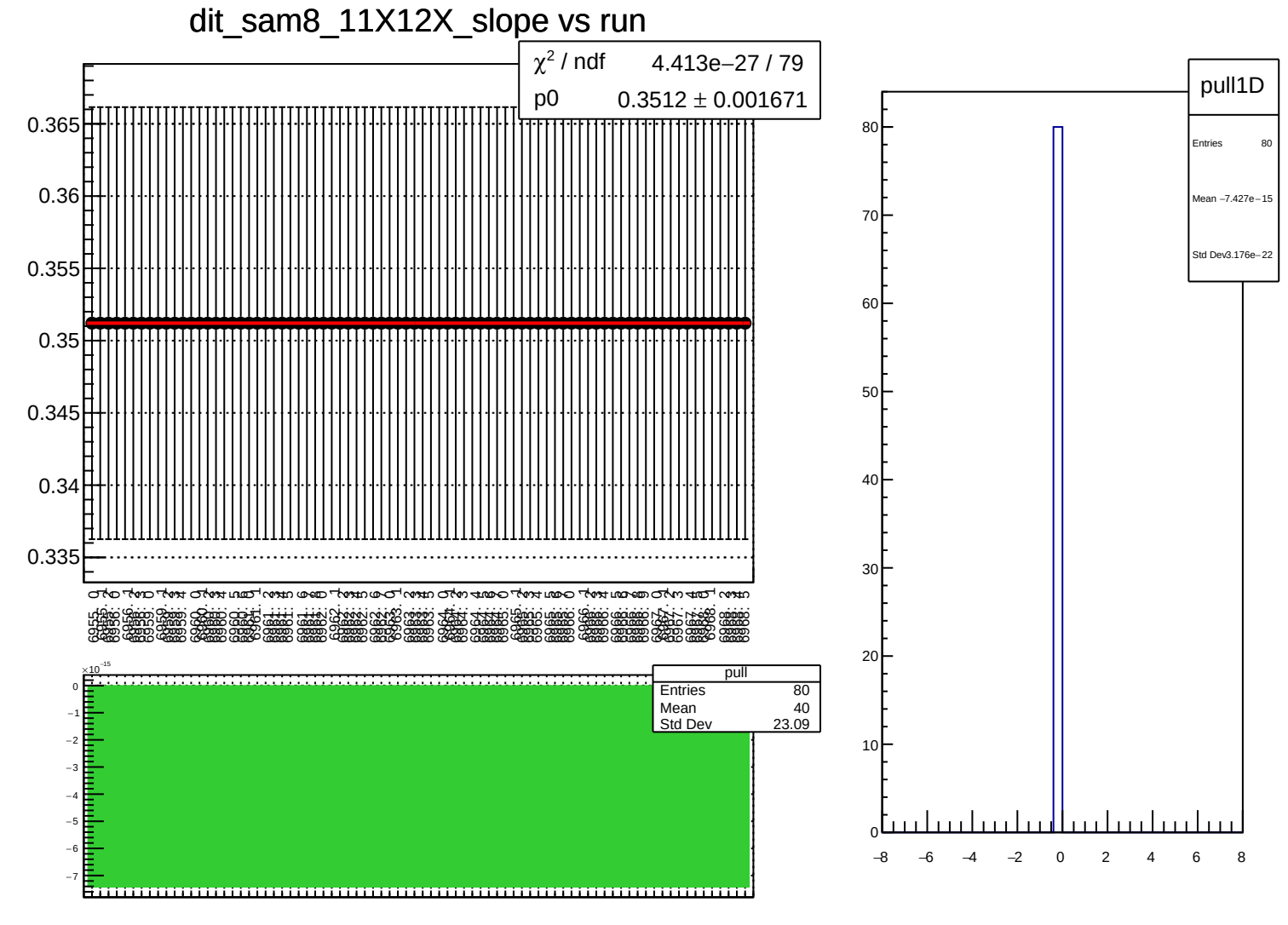

pull1D
Entries 80
Mean −3.276e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

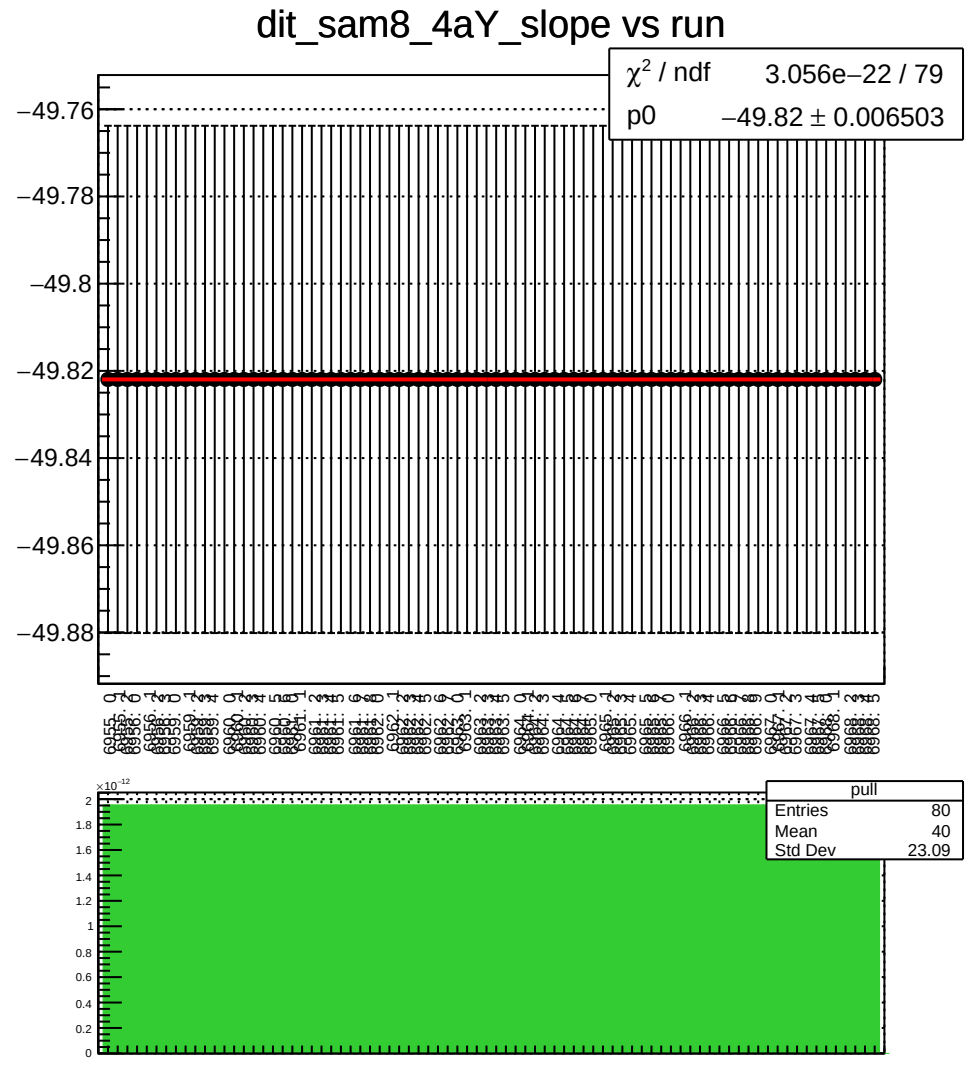

dit_sam8_4aX_slope vs run
χ² / ndf 1.483e−24 / 79
p0 26.89 ± 0.06419
27.4
27.2
27
26.8
26.6
26.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

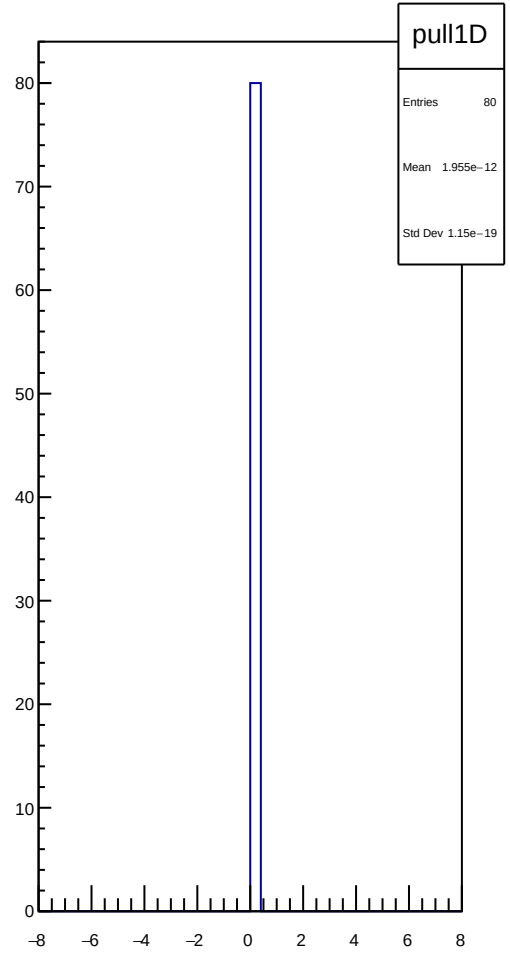

pull1D
Entries 80
Mean 1.361e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

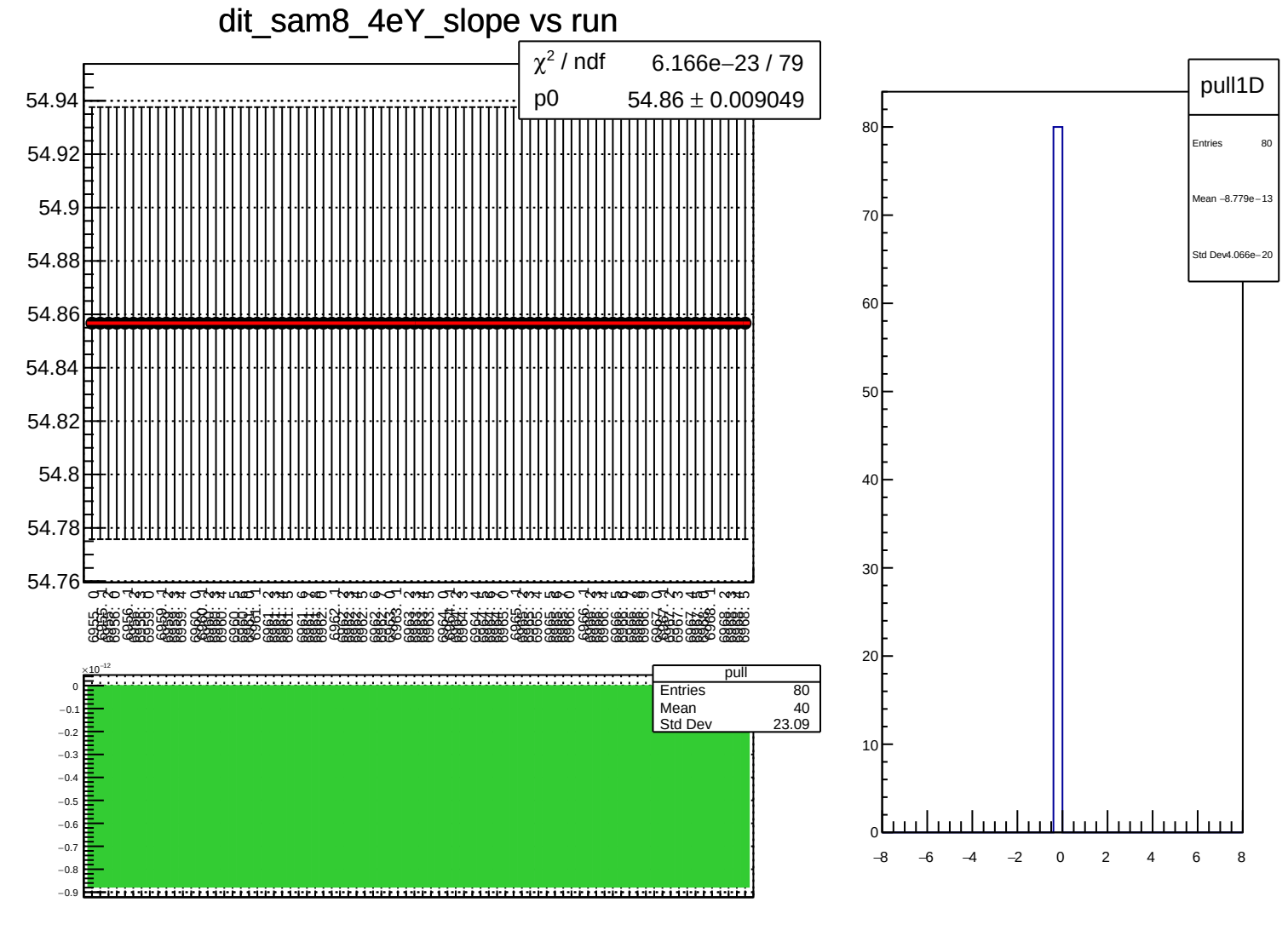

dit_sam8_4eX_slope vs run
χ² / ndf 1.207e−24 / 79
p0 −55.29 ± 0.05174
−54.8
−55
−55.2
−55.4
−55.6
−55.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

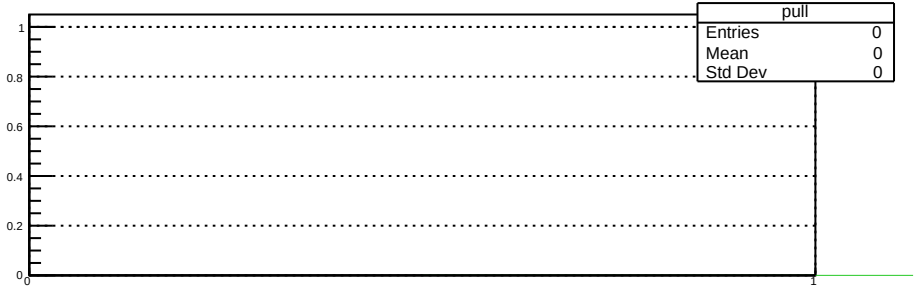

pull1D
Entries 80
Mean 1.228e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

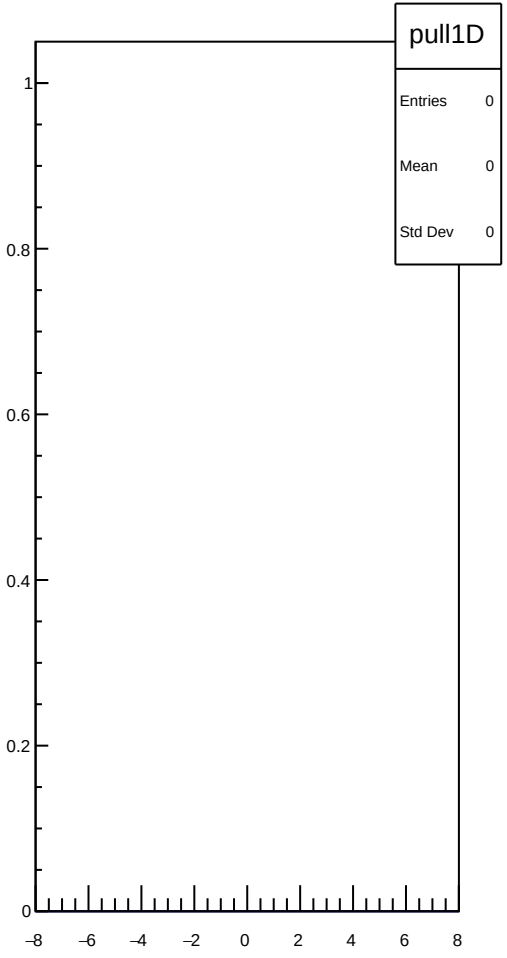

dit_sam8_11X12X_slope vs run
χ² / ndf 4.413e−27 / 79
p0 0.3512 ± 0.001671
0.365
0.36
0.355
0.35
0.345
0.34
0.335
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 80
Mean −7.427e−15
Std Dev3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

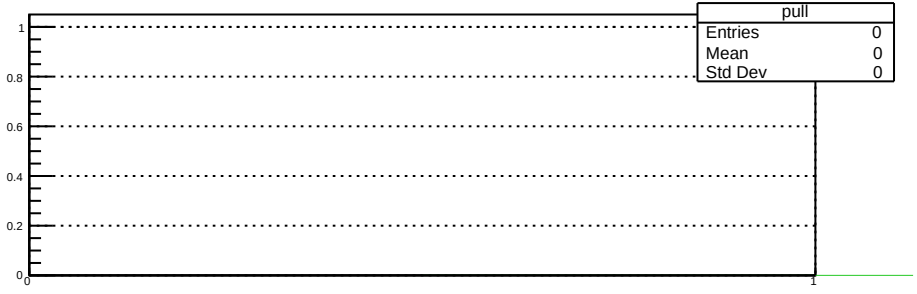

dit_sam8_4aY_slope vs run
χ² / ndf 3.056e−22 / 79
p0 −49.82 ± 0.006503
−49.76
−49.78
−49.8
−49.82
−49.84
−49.86
−49.88
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

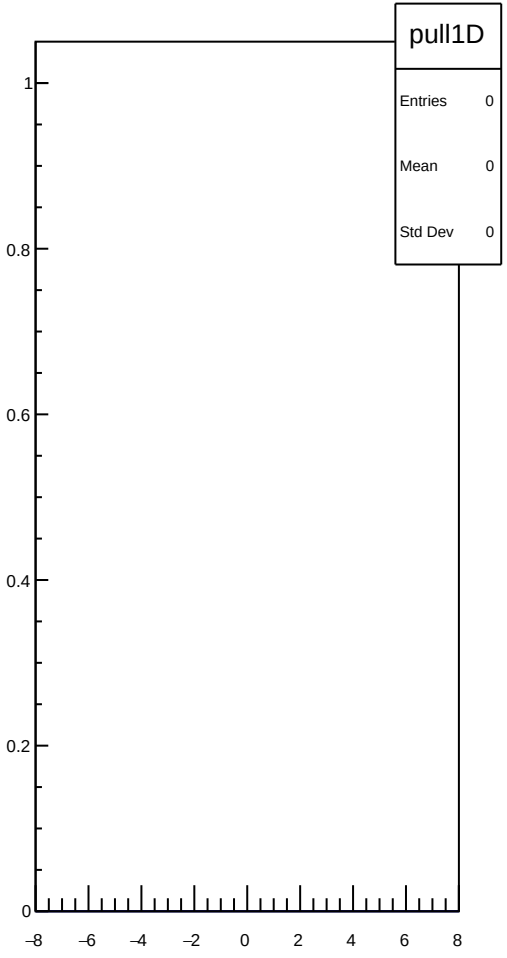

pull1D
Entries 80
Mean 1.955e−12
Std Dev 1.15e−19
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50
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−4
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8

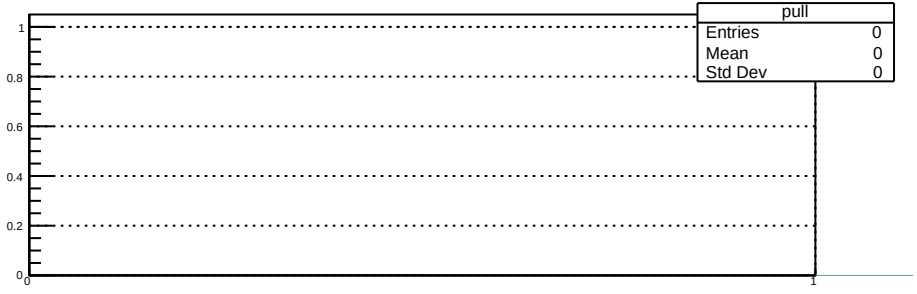

dit_sam8_4eY_slope vs run
χ² / ndf 6.166e−23 / 79
p0 54.86 ± 0.009049
54.94
54.92
54.9
54.88
54.86
54.84
54.82
54.8
54.78
54.76
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull1D
Entries 80
Mean −8.779e−13
Std Dev4.066e−20
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10
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−4
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6
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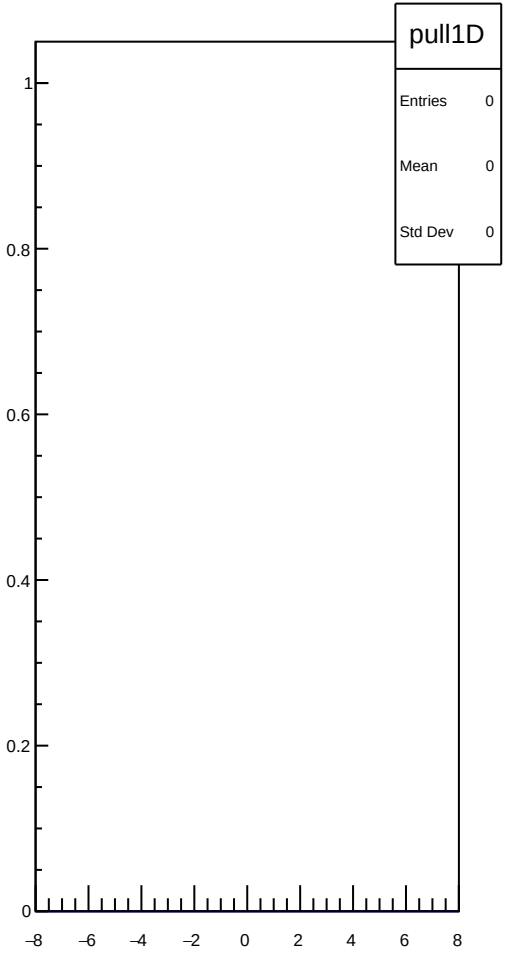

pull
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Std Dev 0
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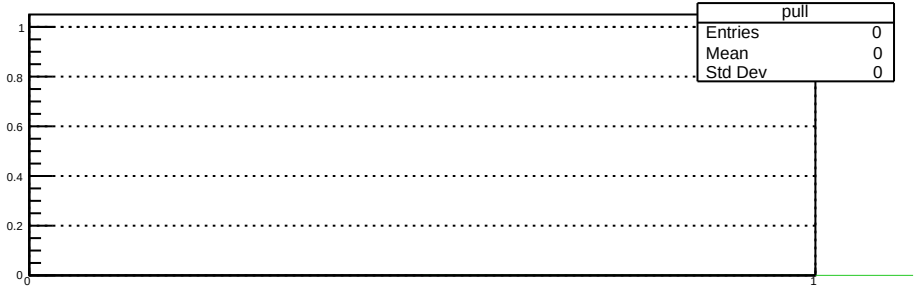

pull1D
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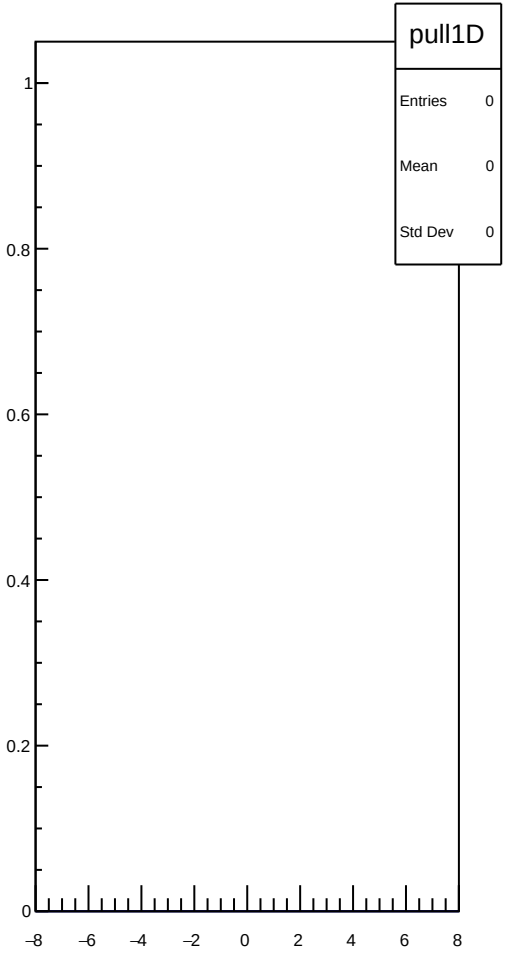

pull
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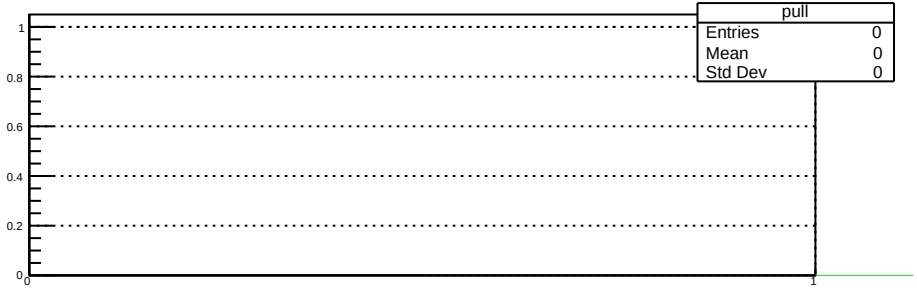

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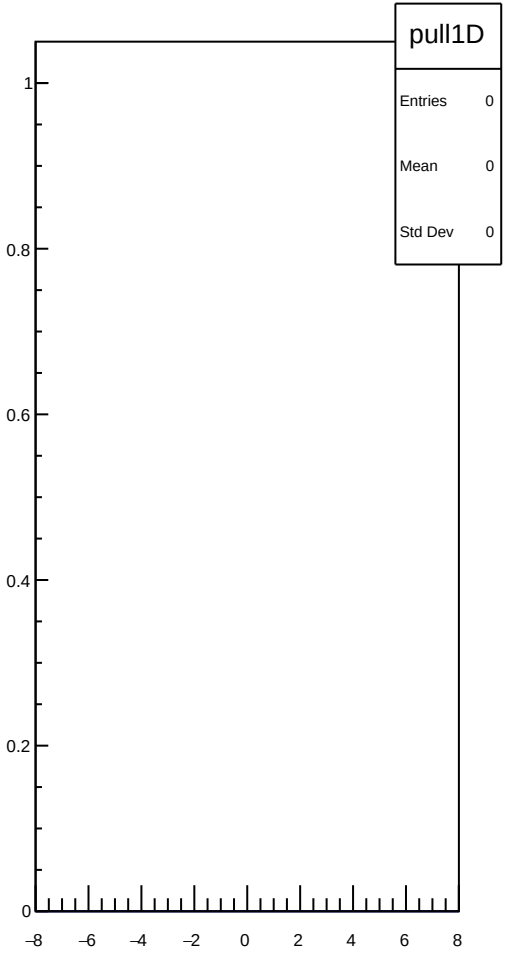

pull
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Std Dev 0
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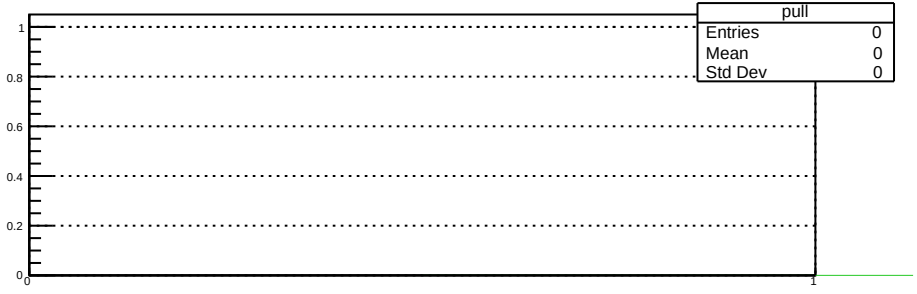

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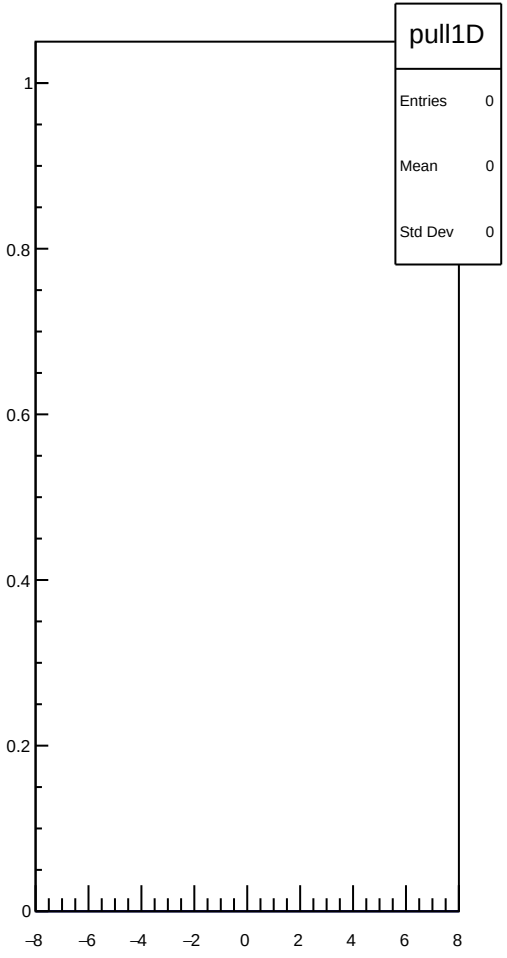

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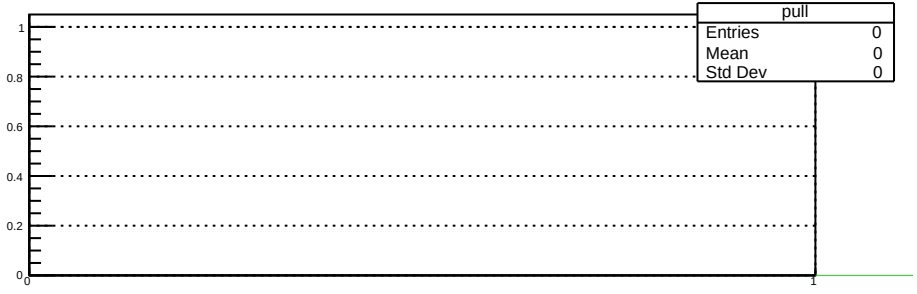

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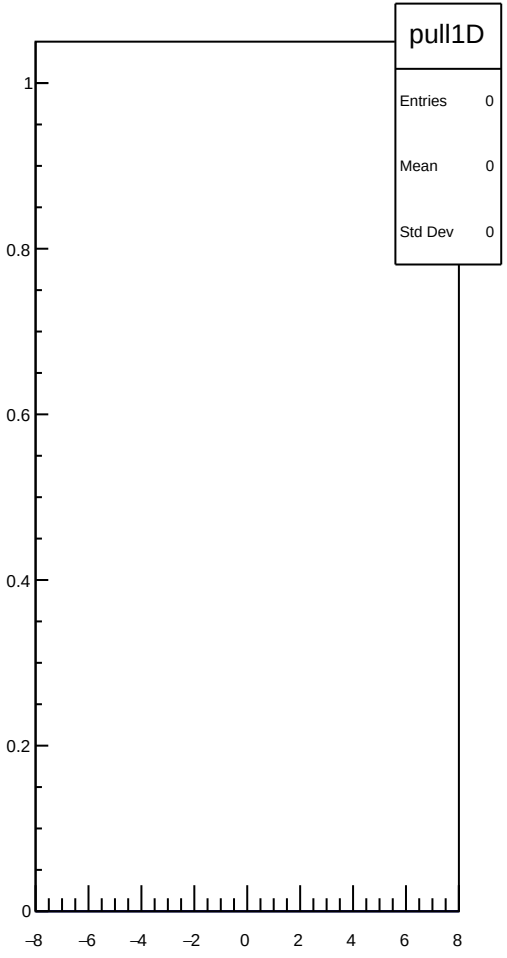

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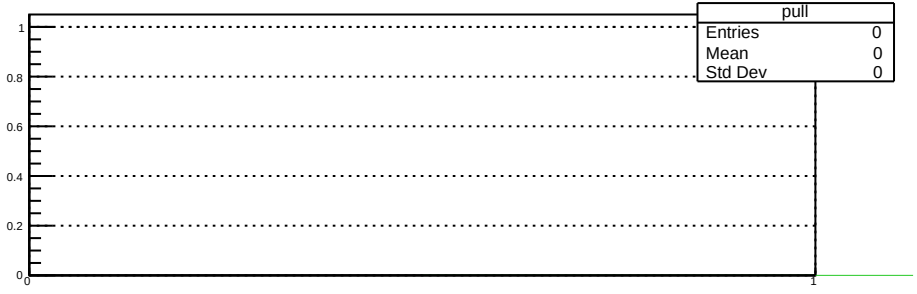

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Entries 0
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Std Dev 0
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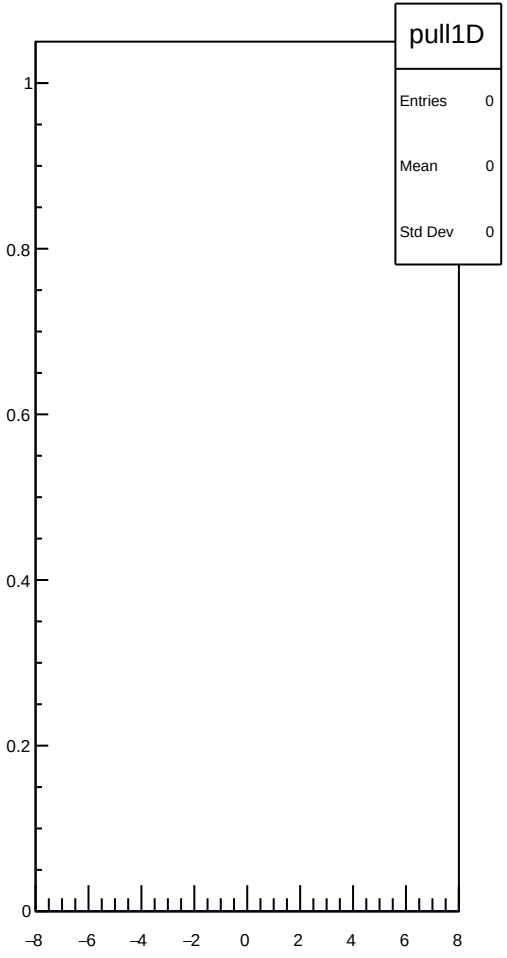

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Std Dev 0
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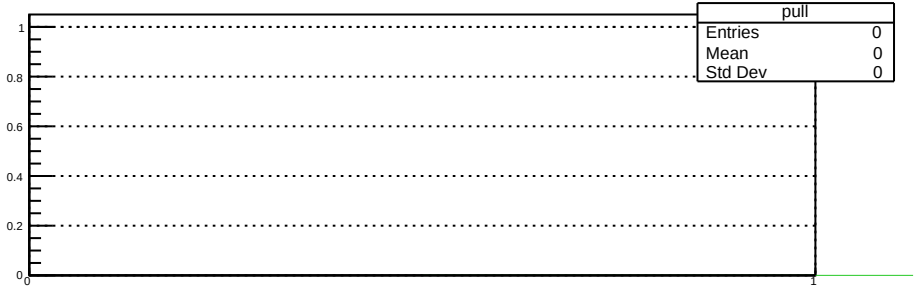

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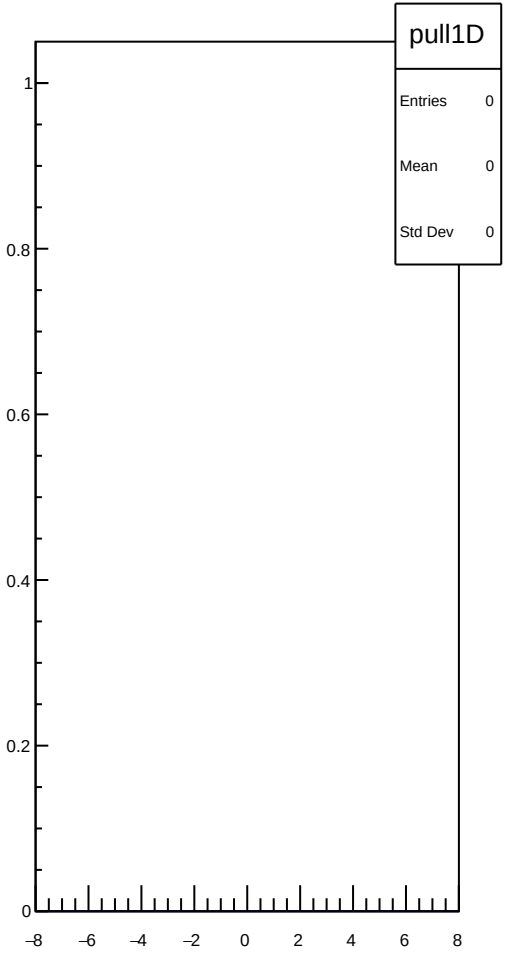

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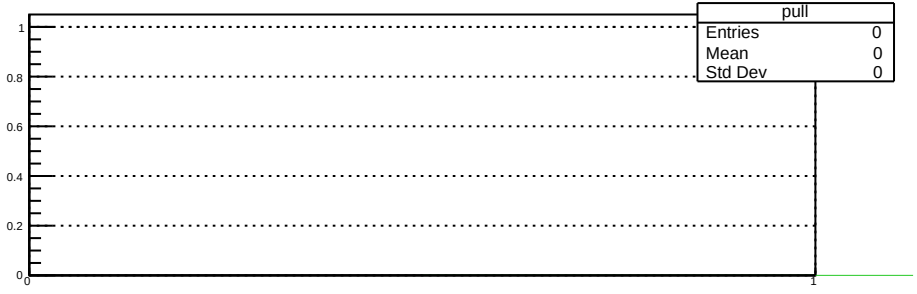

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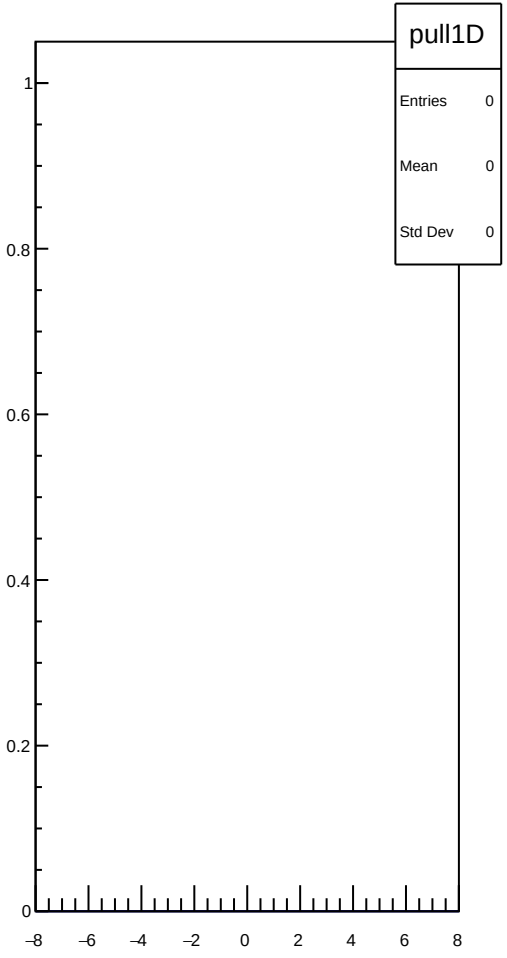

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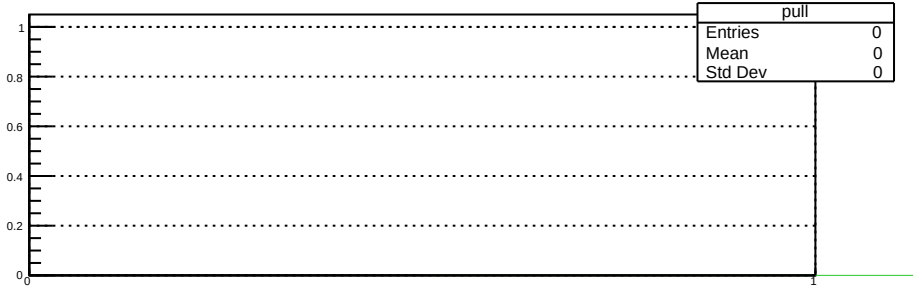

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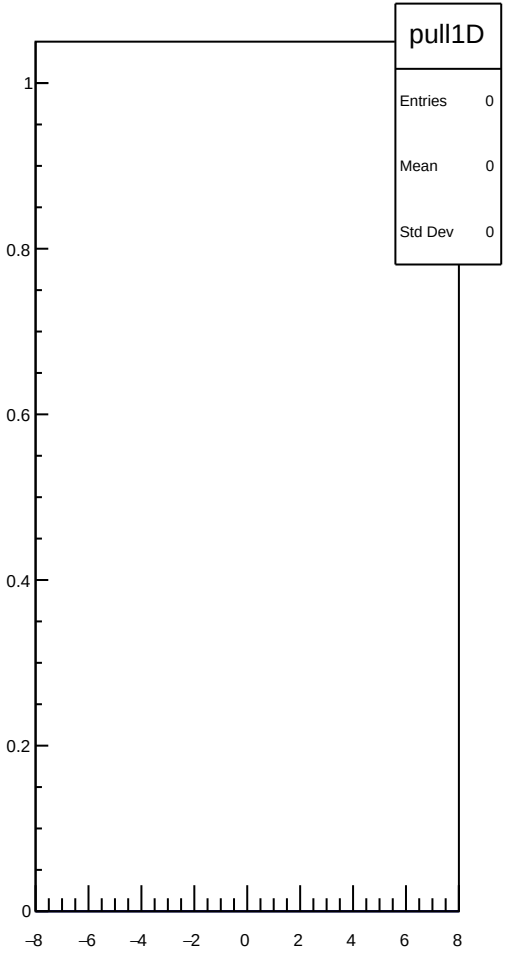

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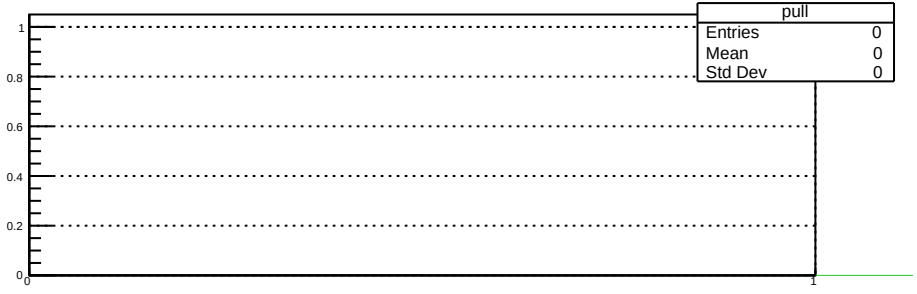

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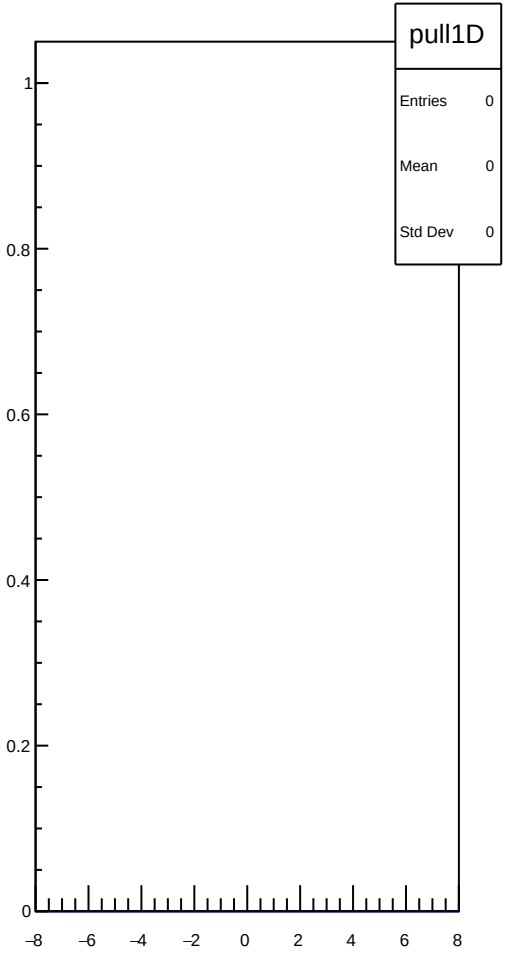

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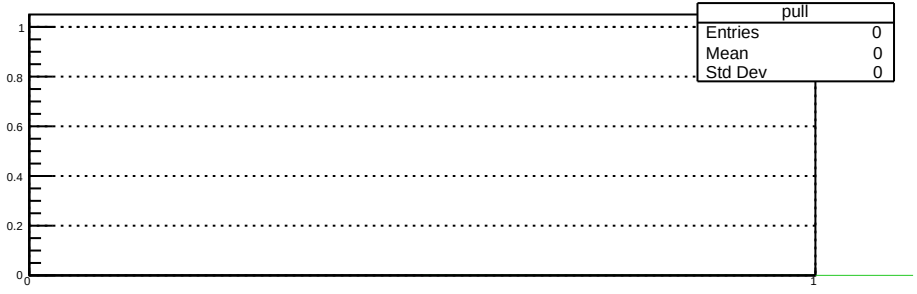

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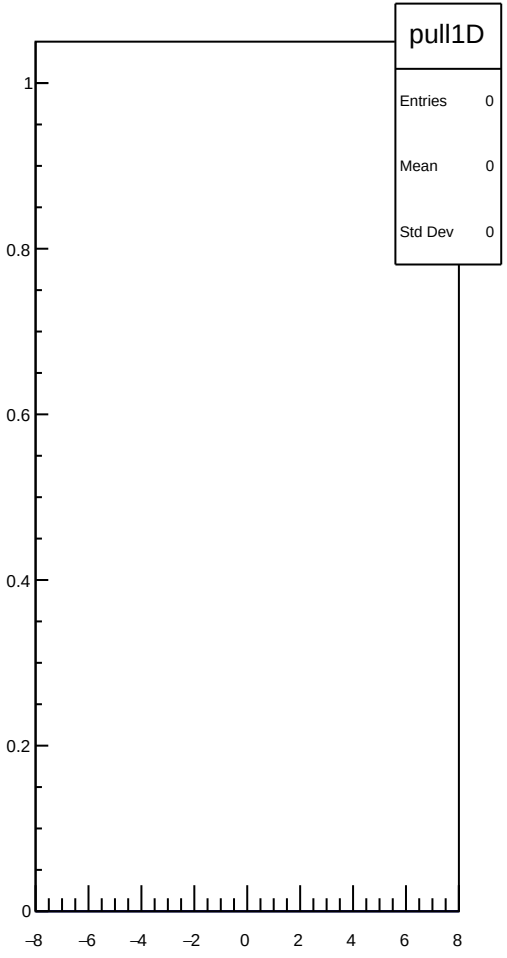

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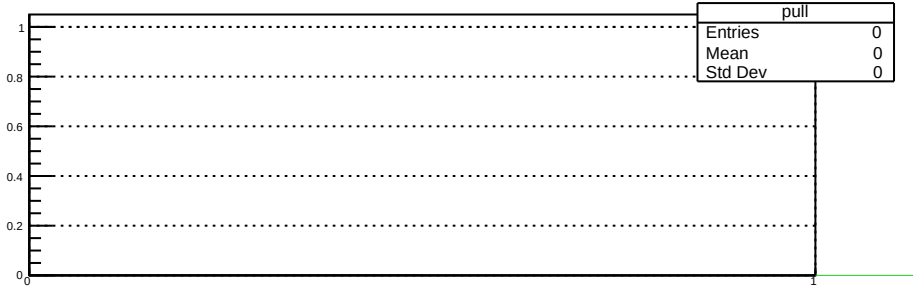

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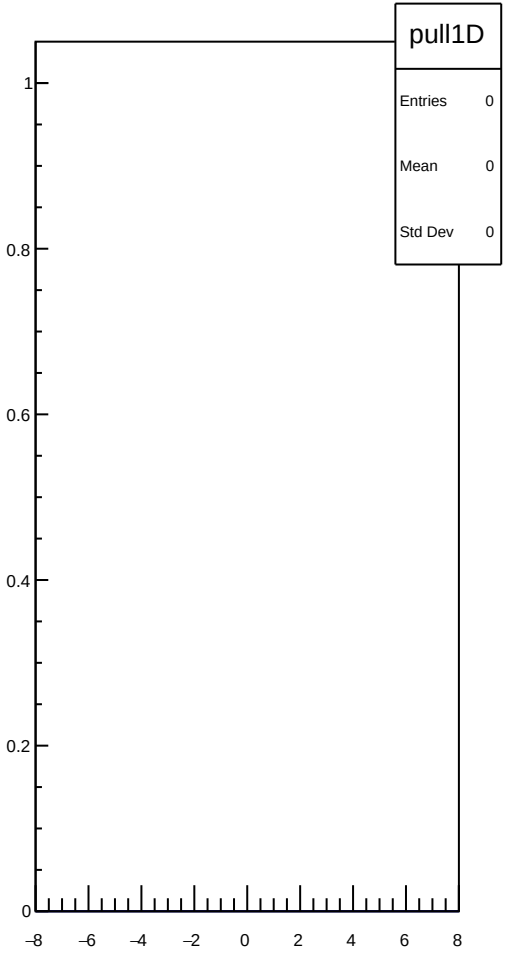

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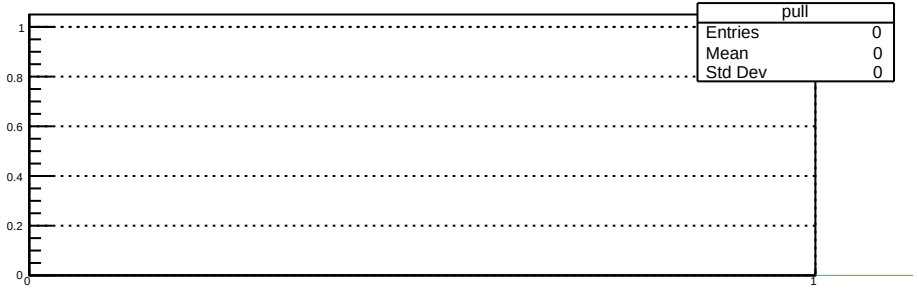

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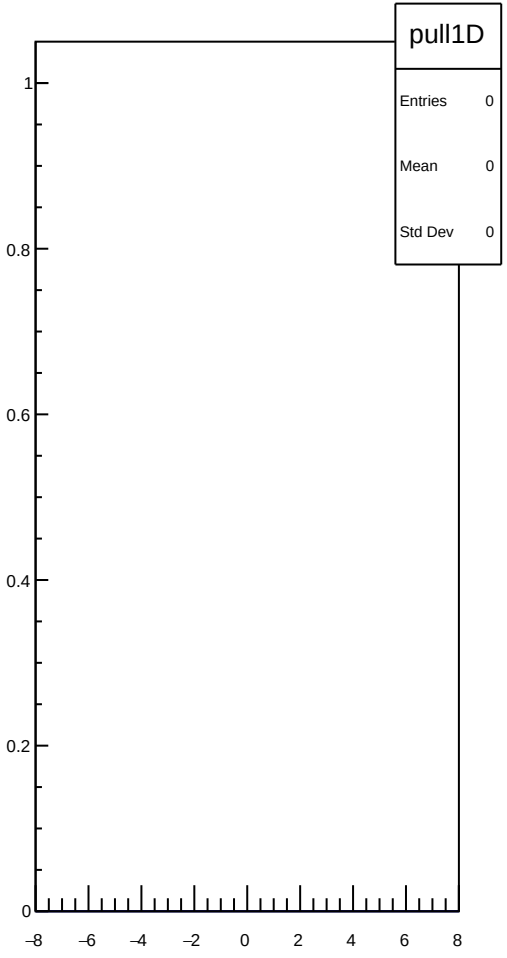

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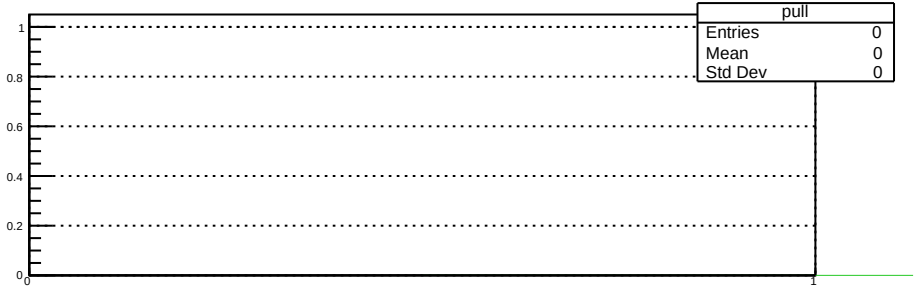

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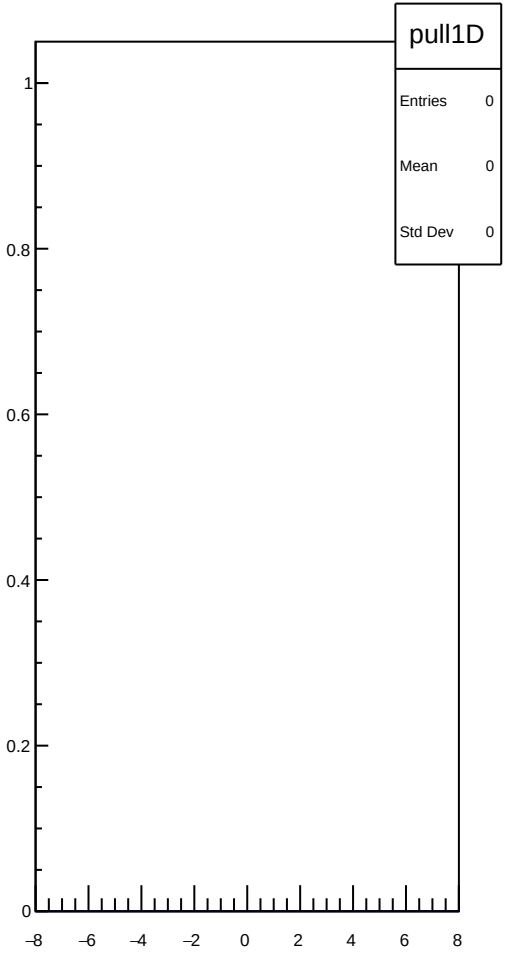

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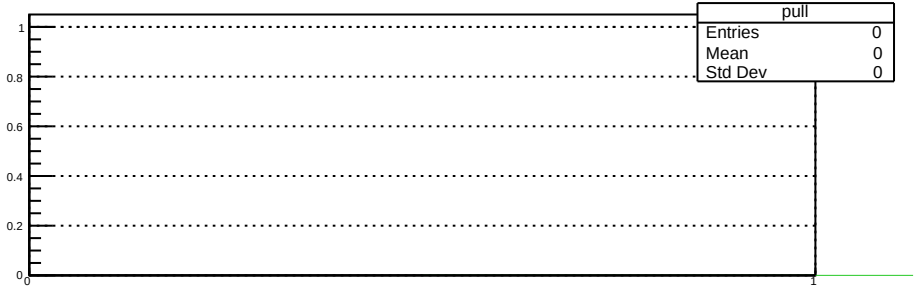

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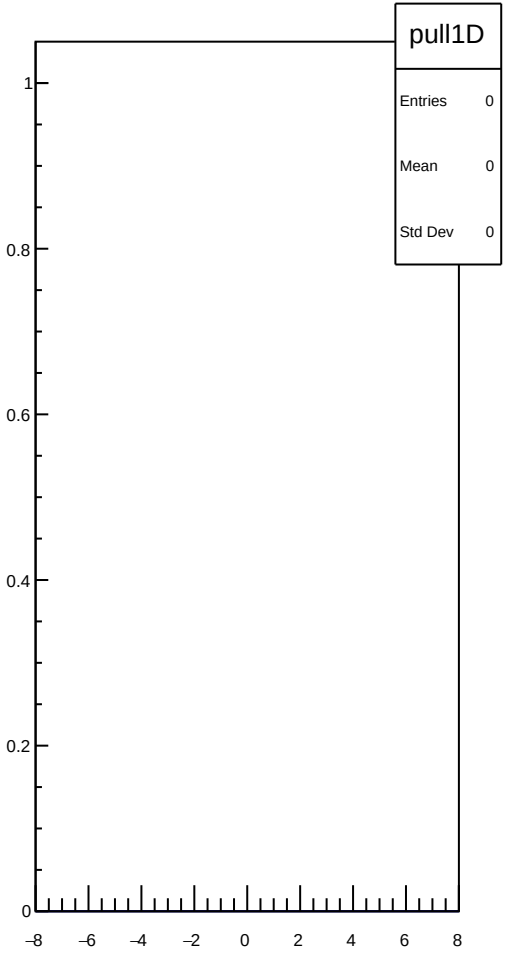

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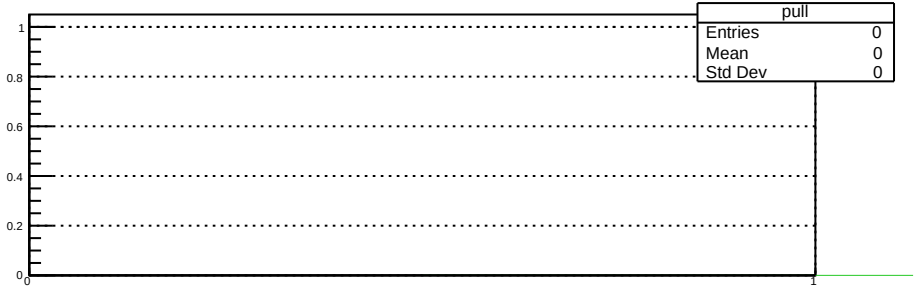

pull1D
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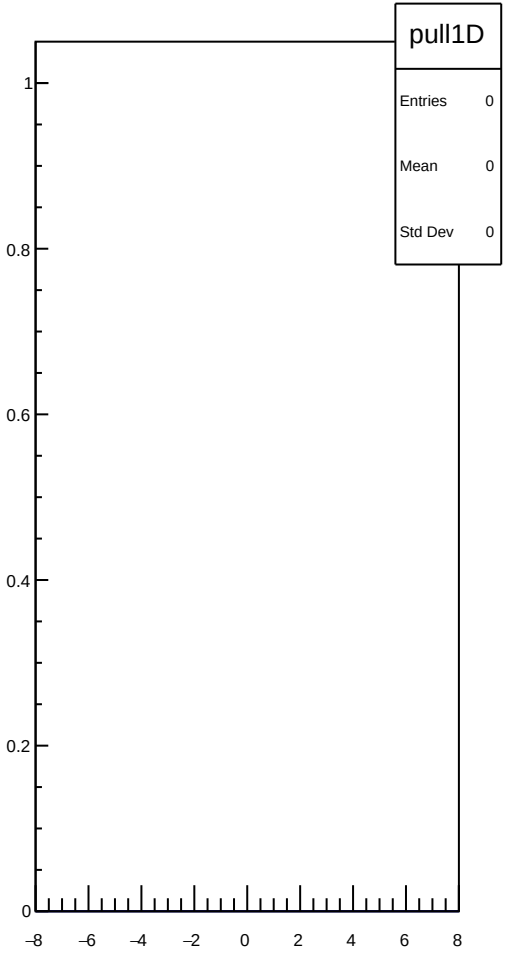

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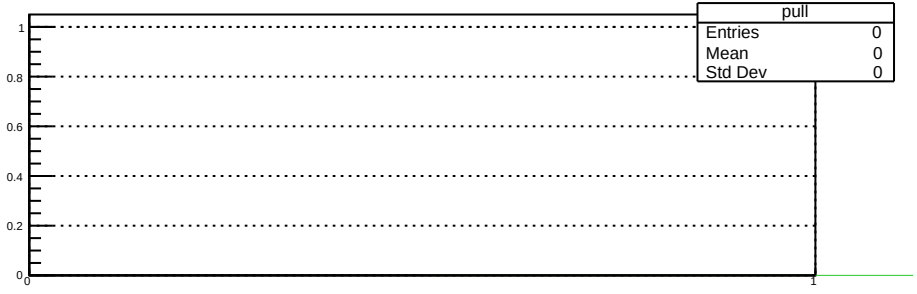

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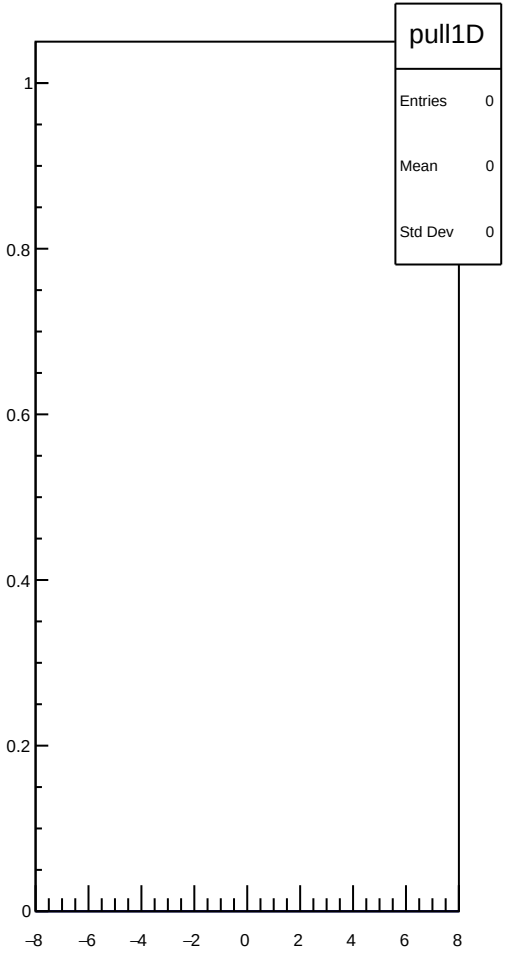

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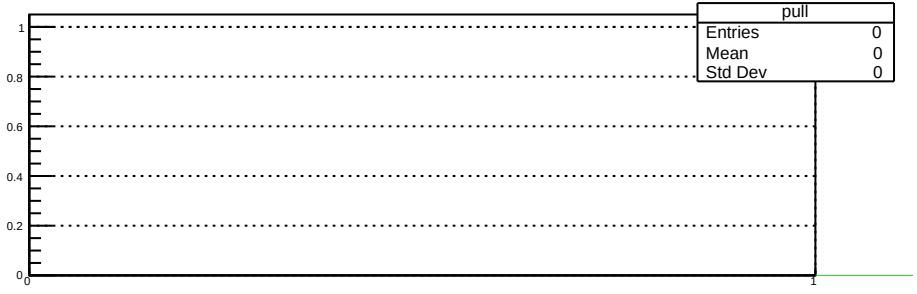

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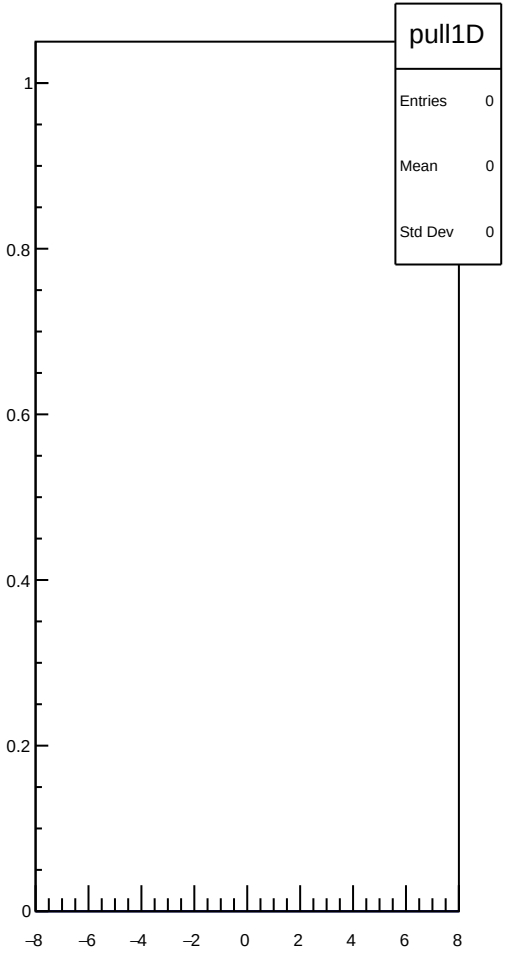

pull
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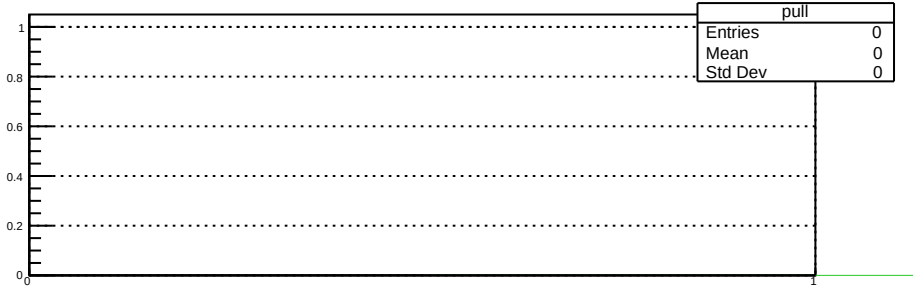

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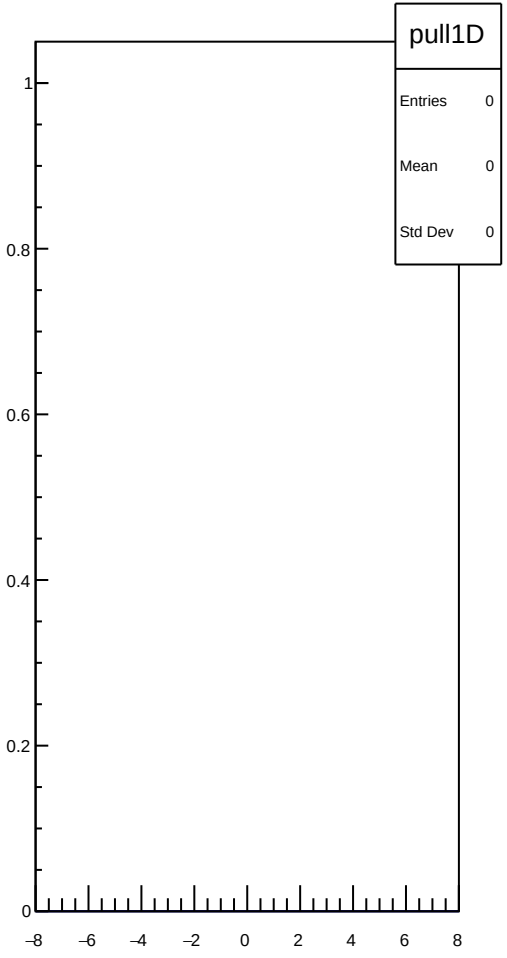

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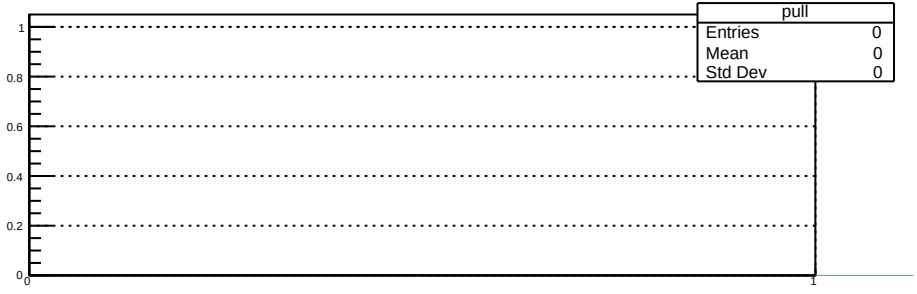

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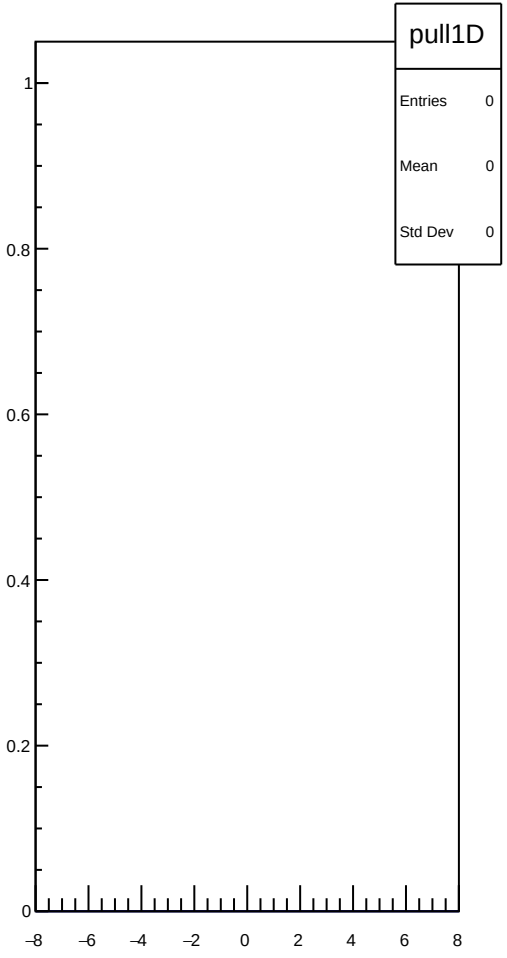

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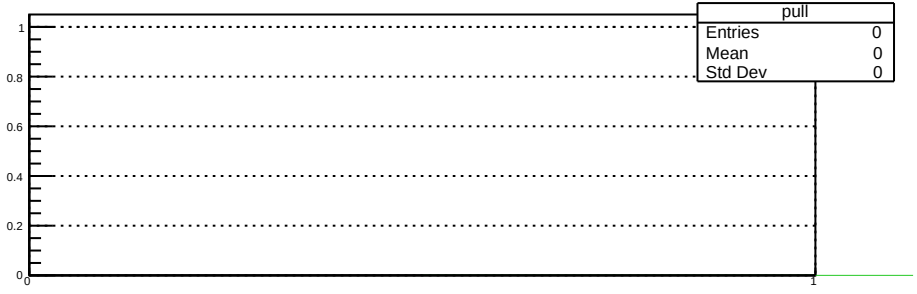

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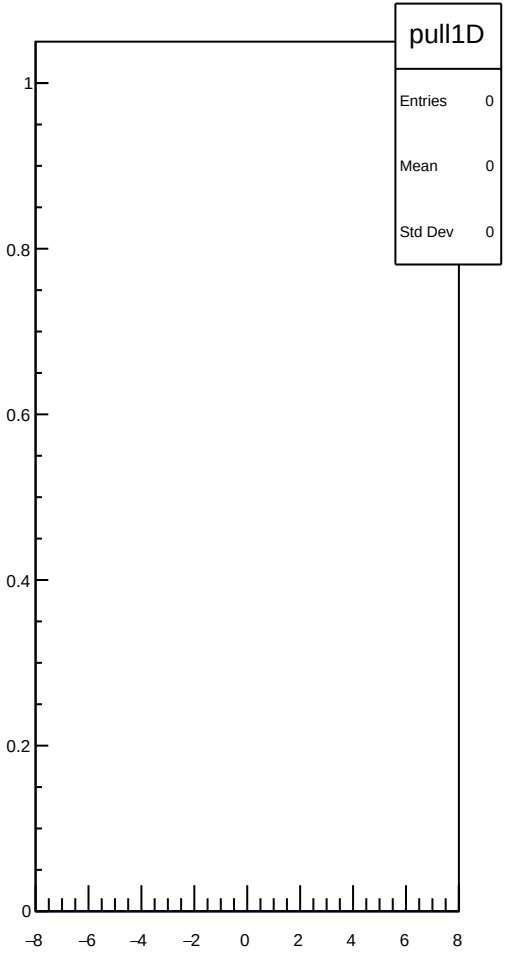

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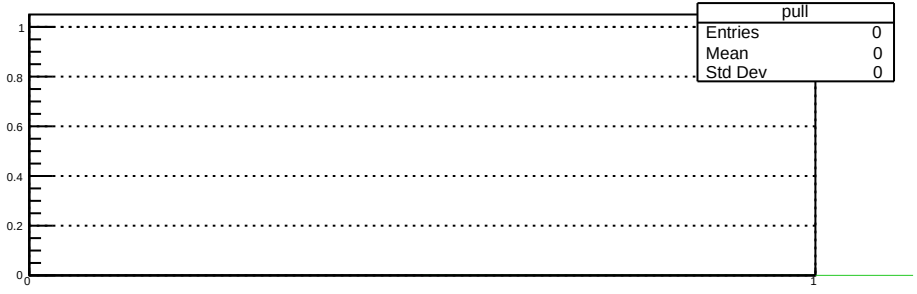

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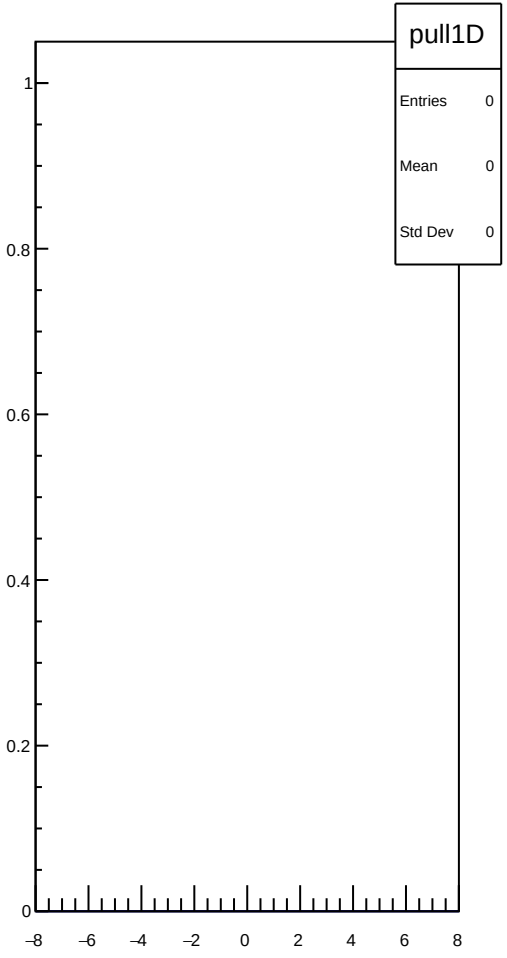

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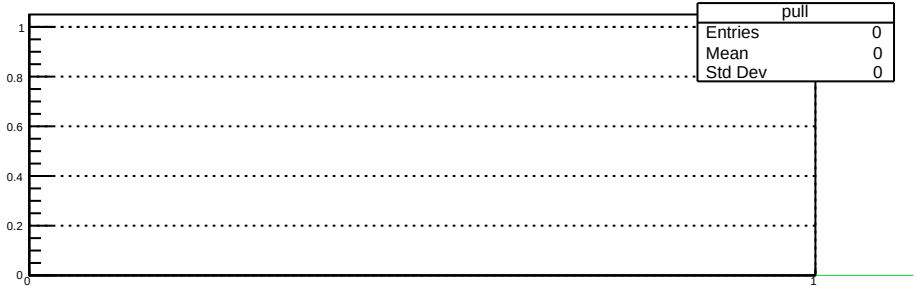

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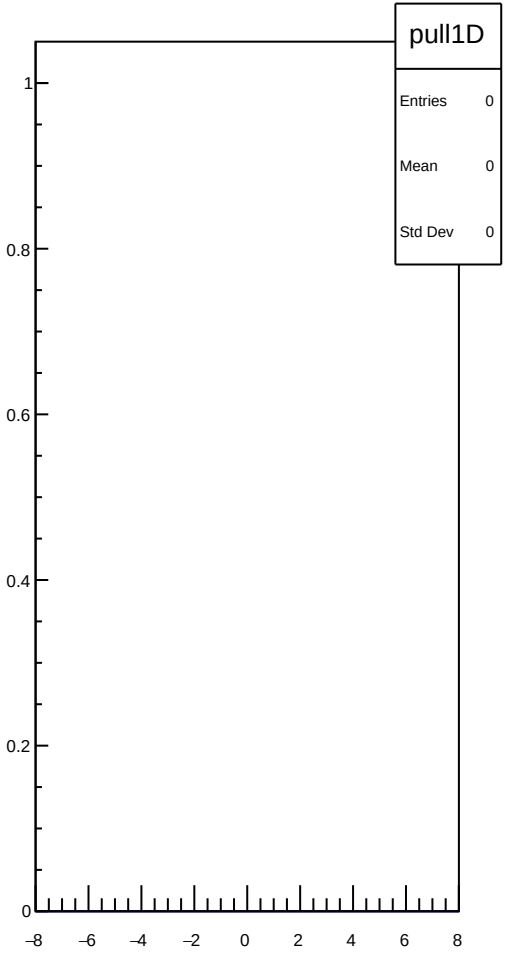

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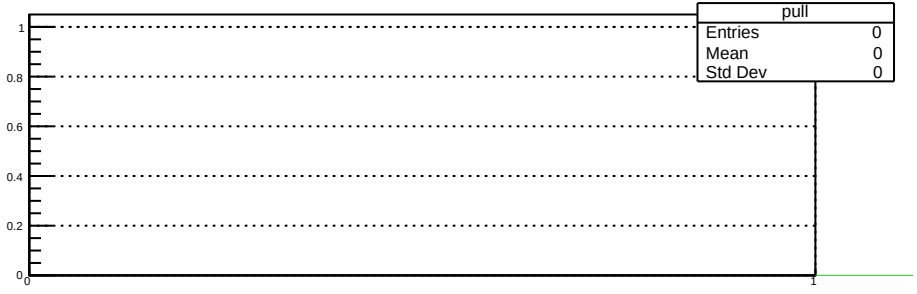

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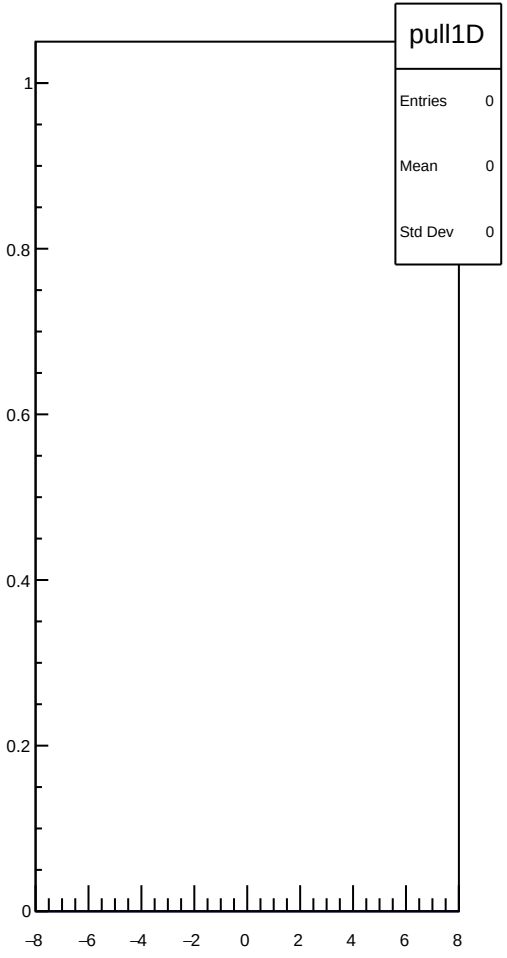

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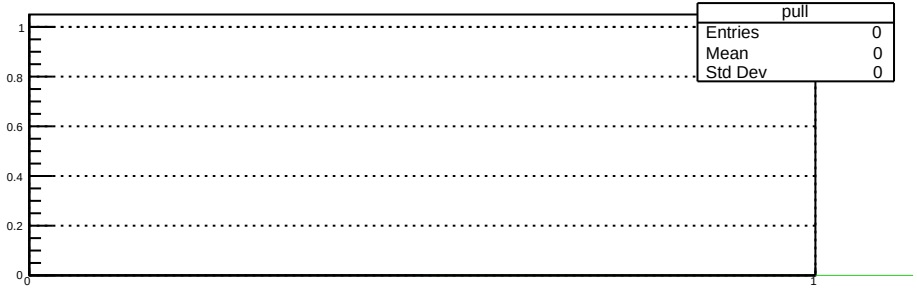

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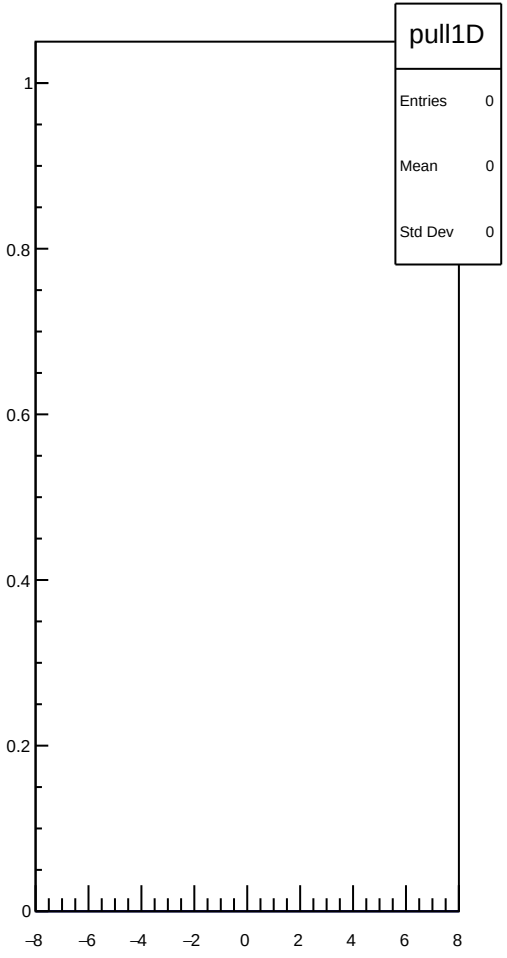

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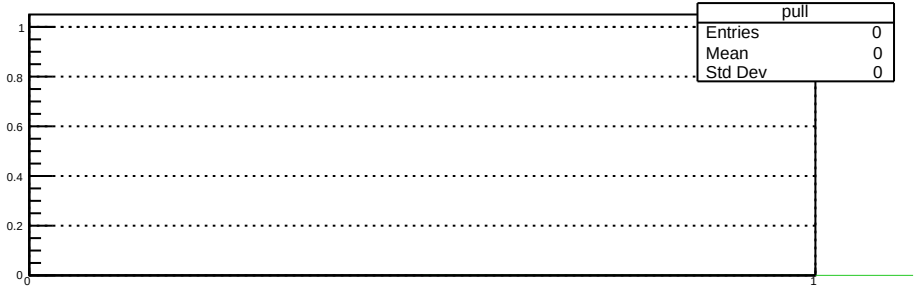

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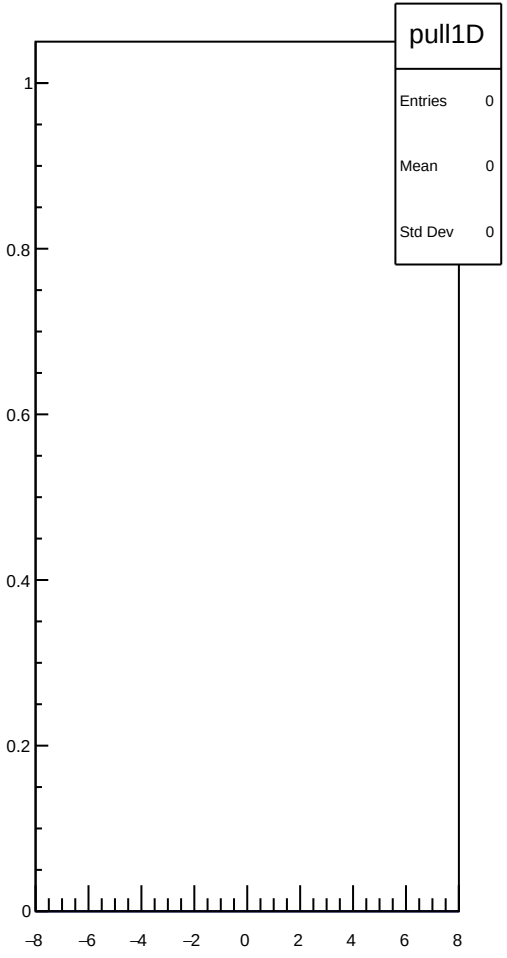

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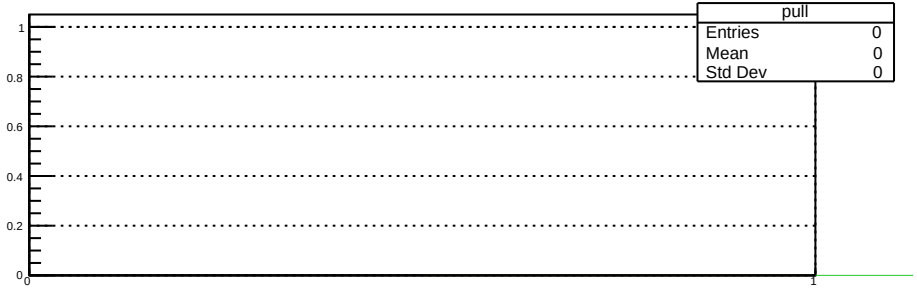

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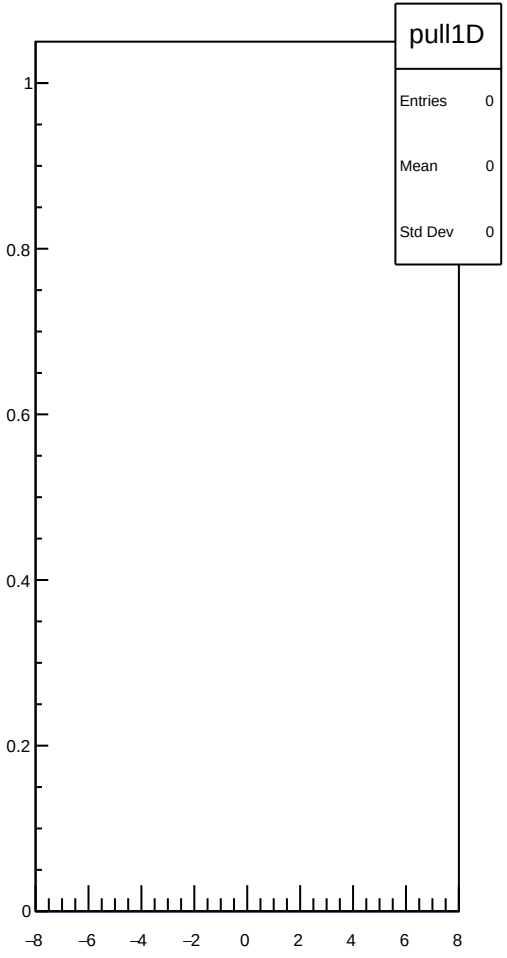

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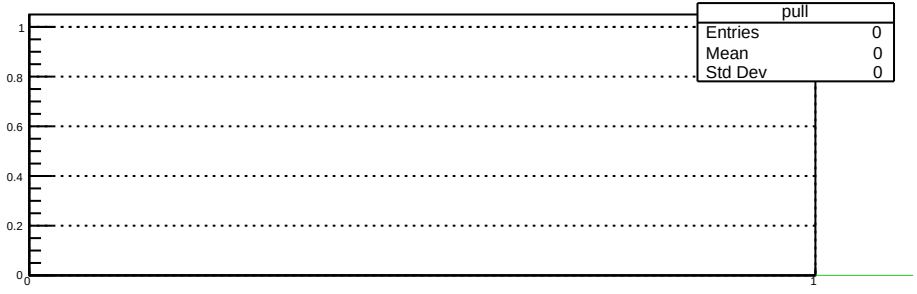

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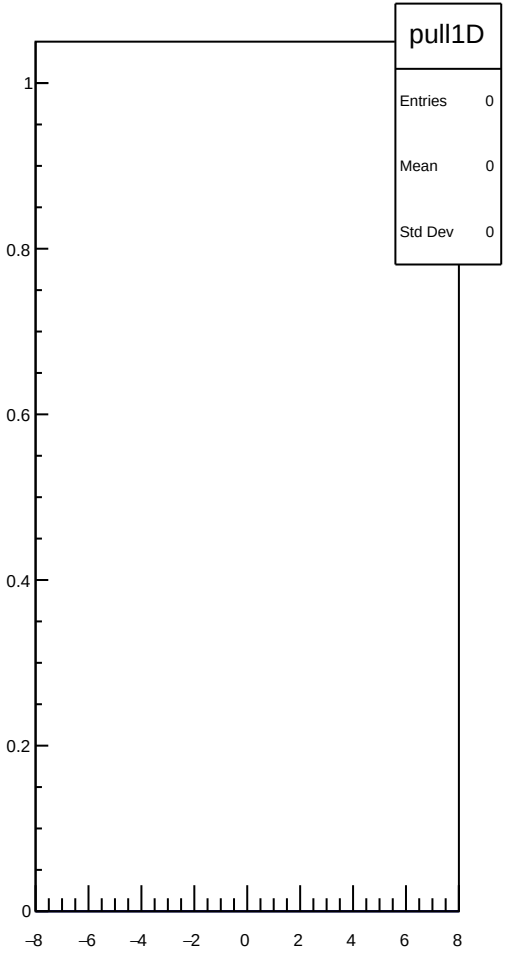

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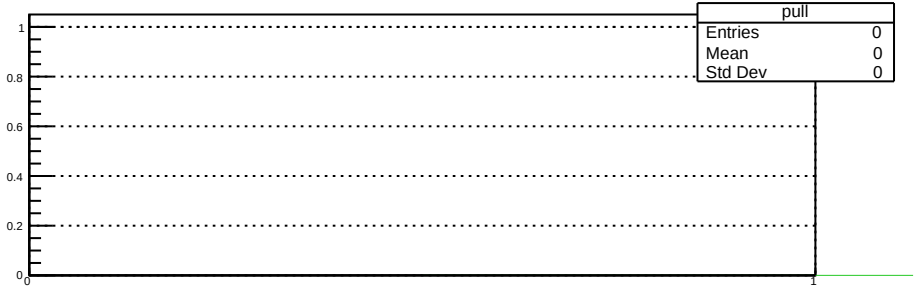

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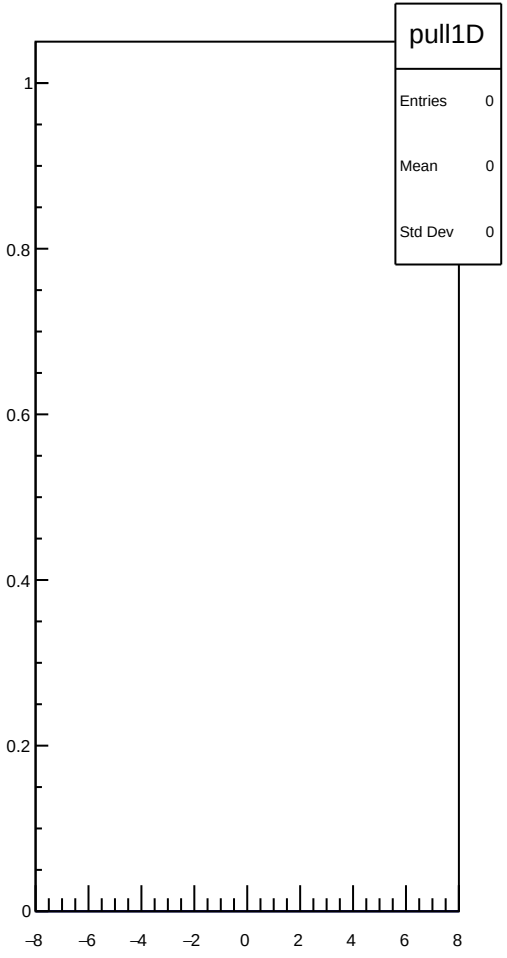

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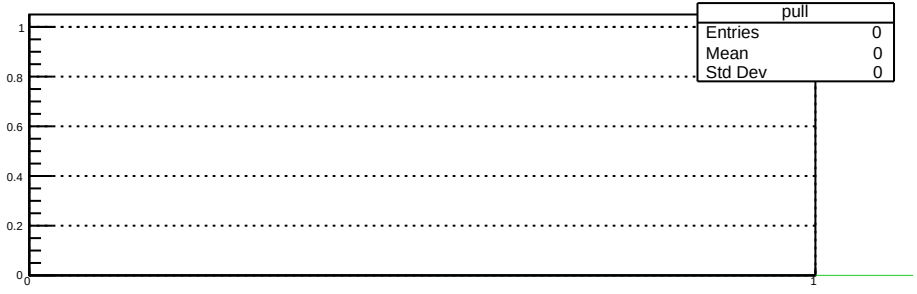

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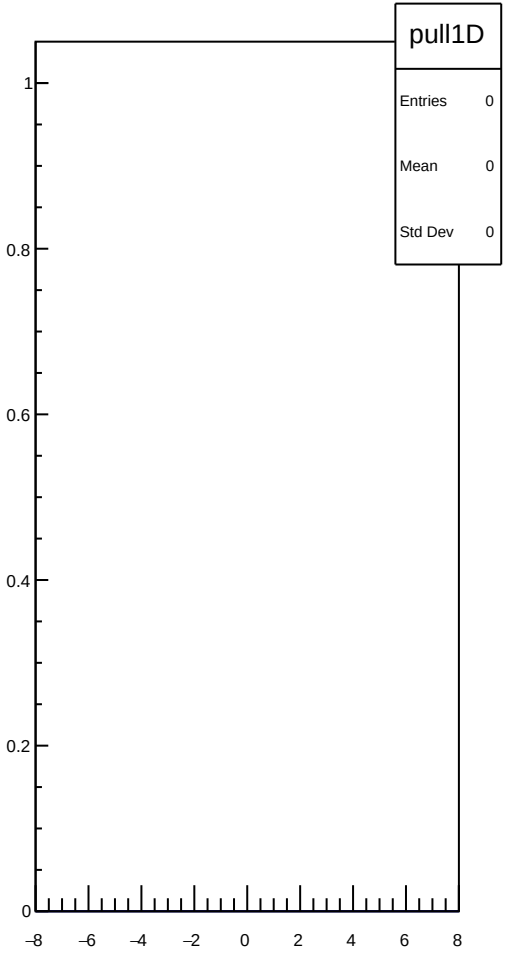

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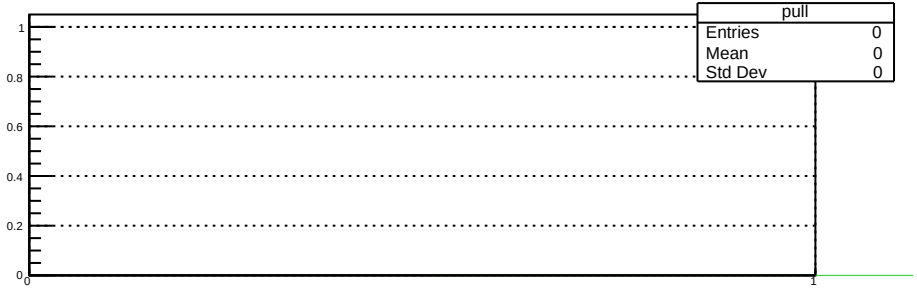

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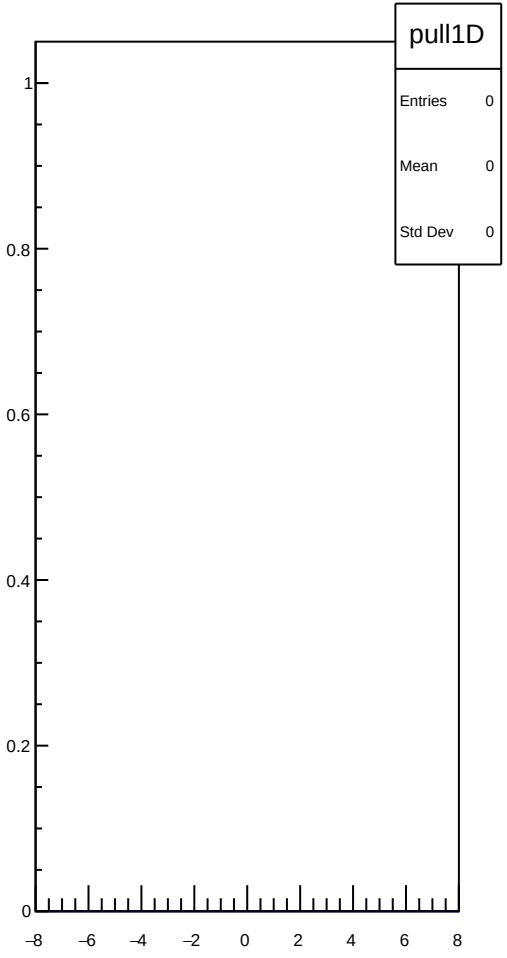

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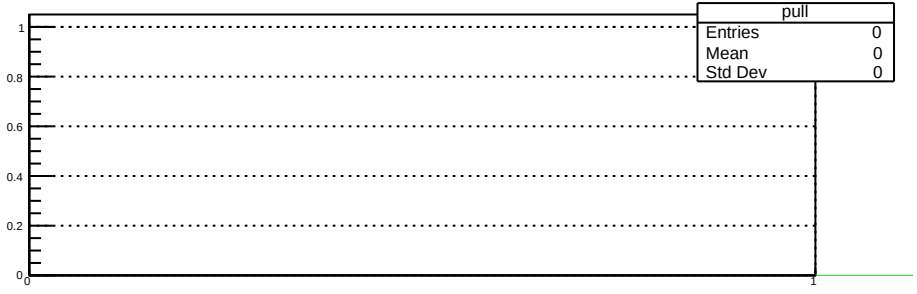

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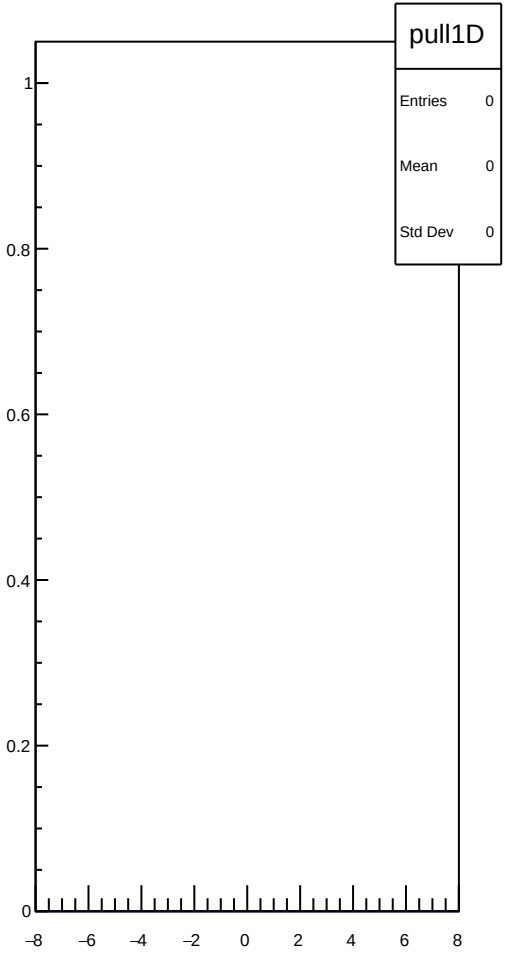

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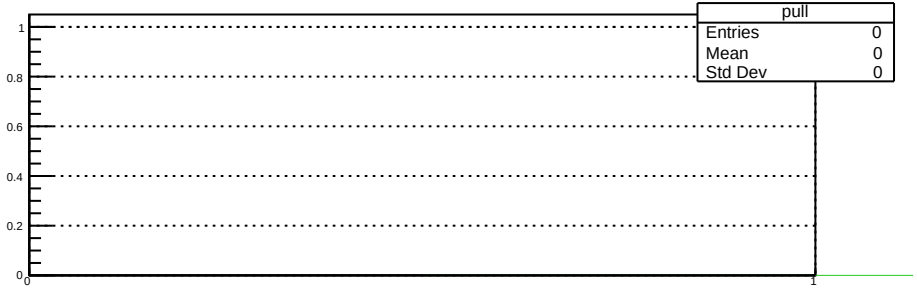

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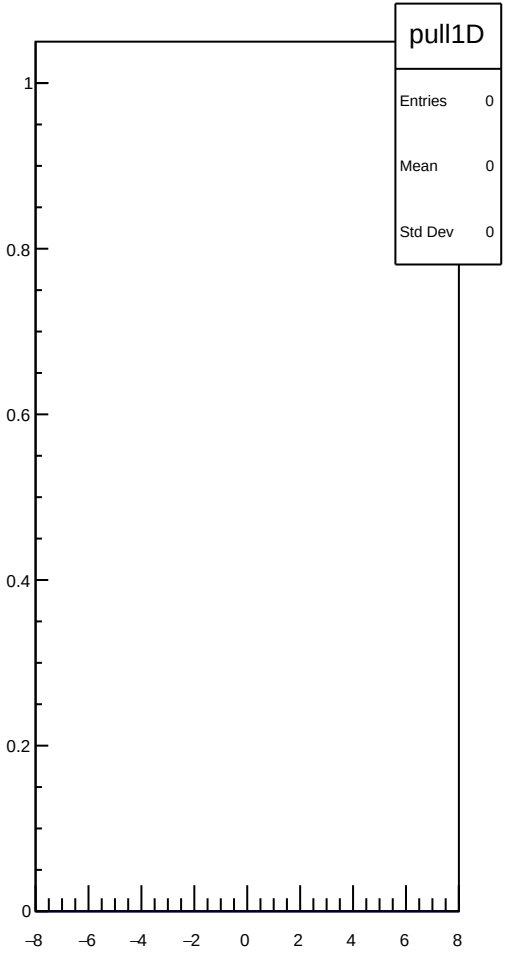

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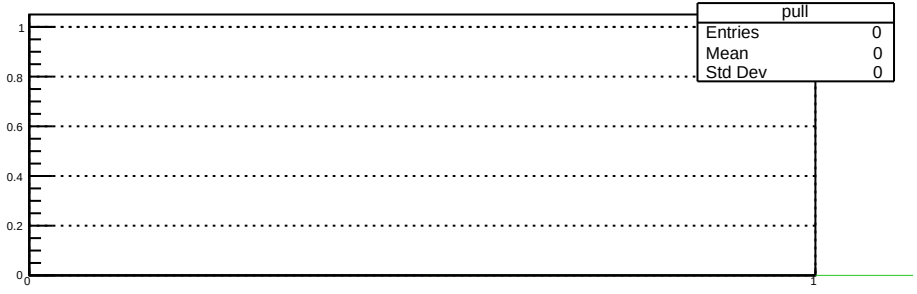

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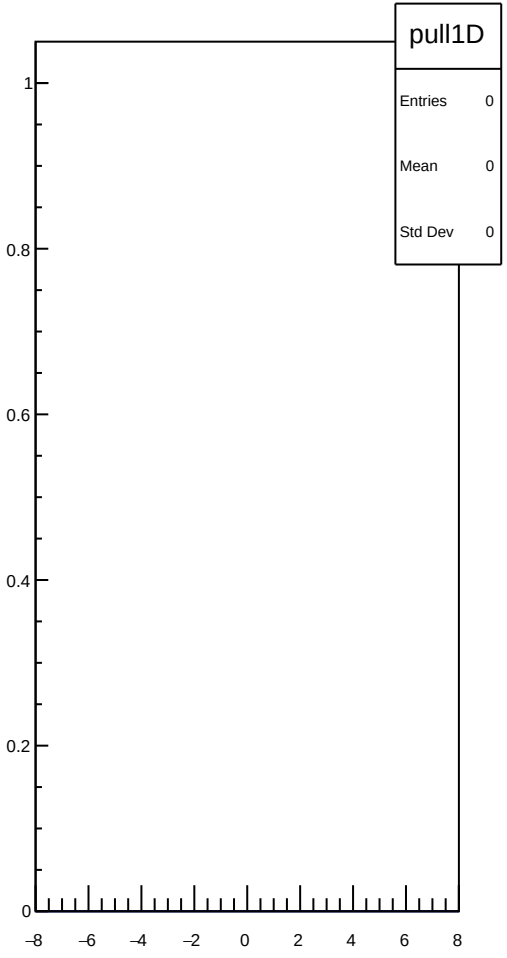

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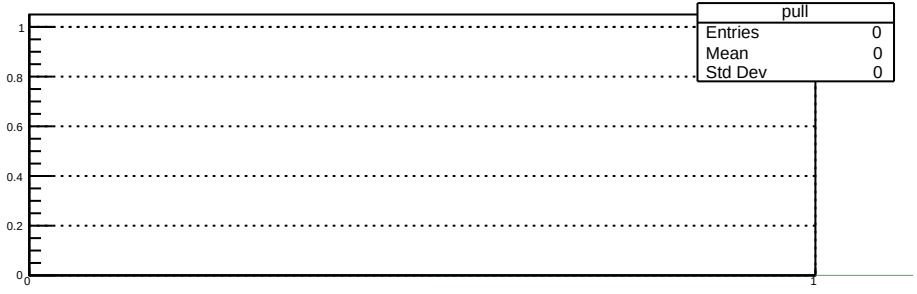

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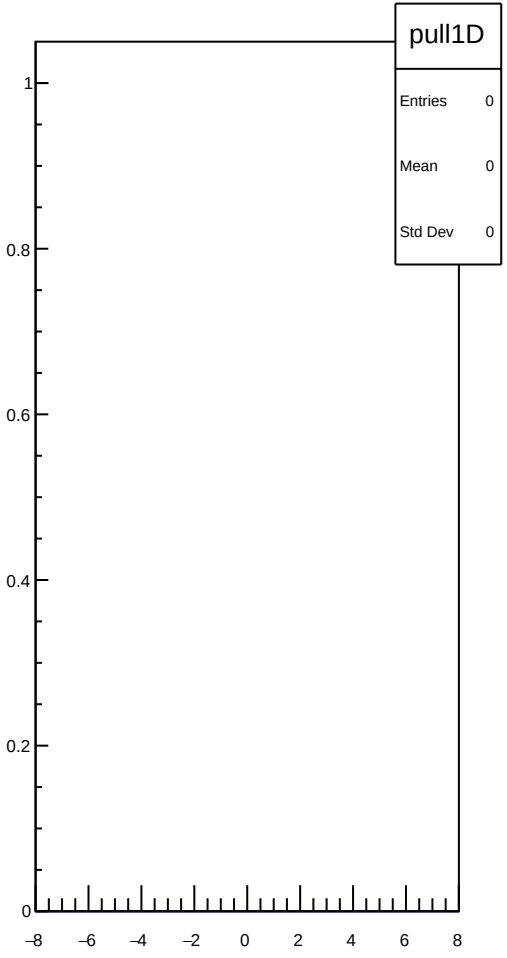

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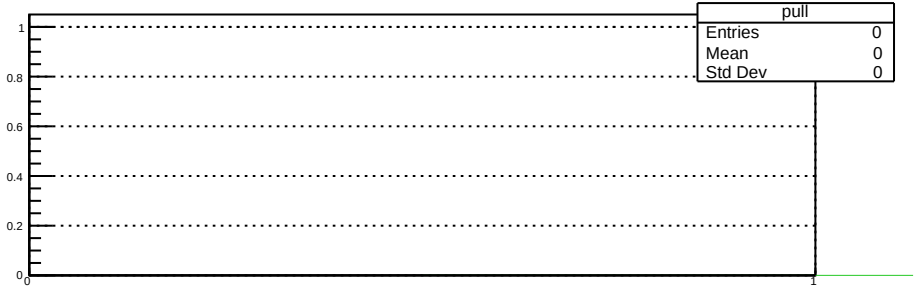

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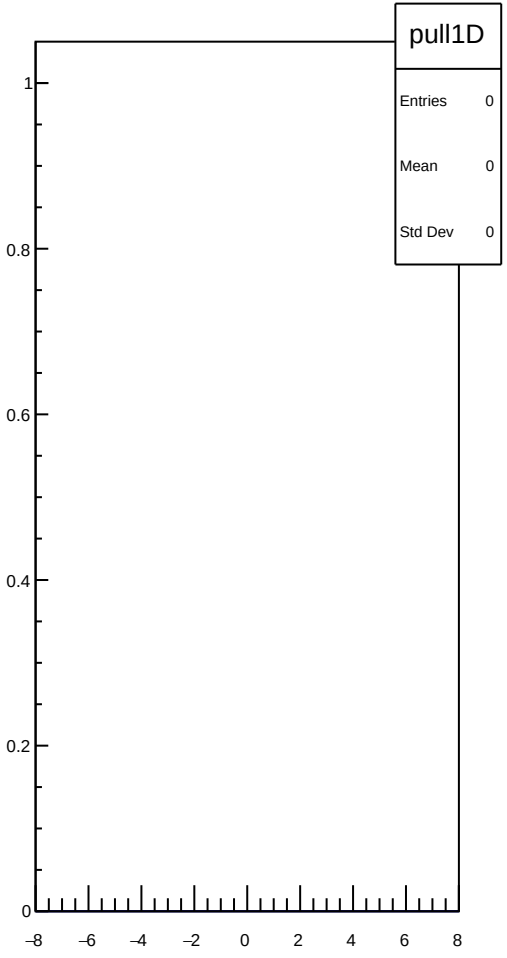

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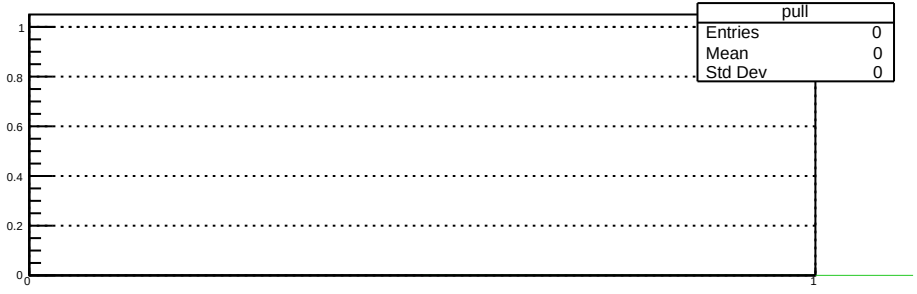

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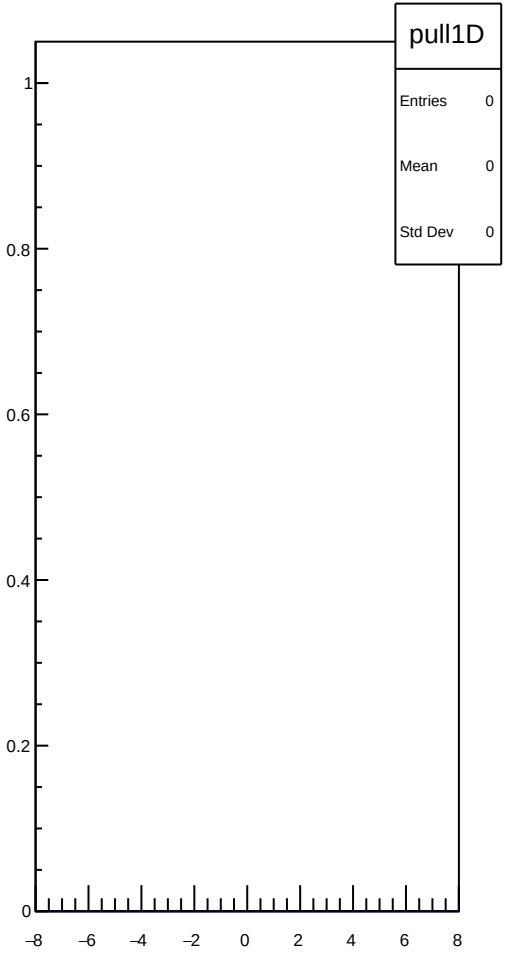

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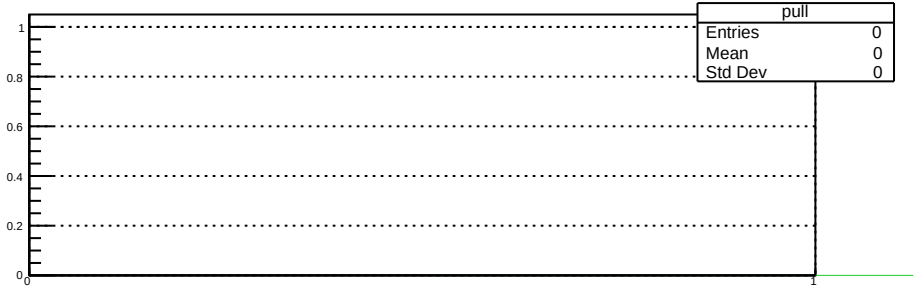

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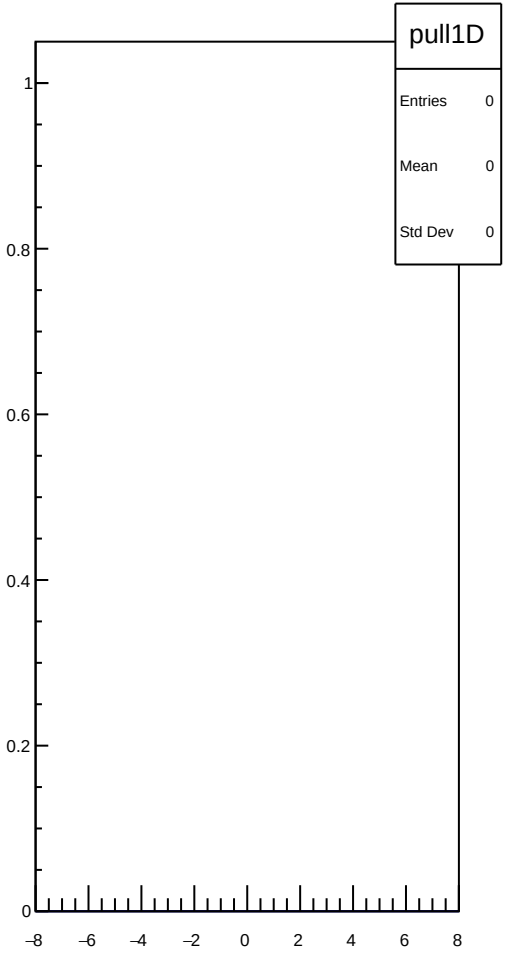

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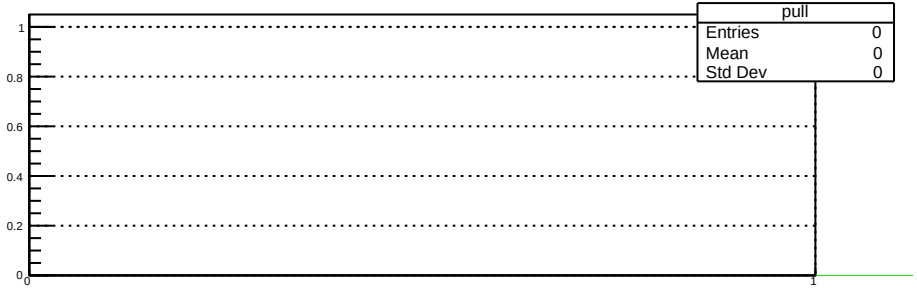

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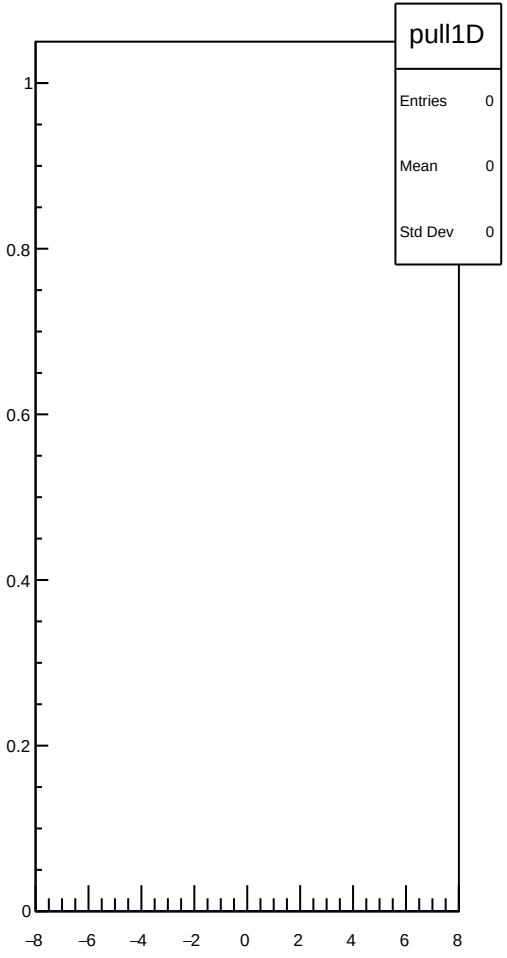

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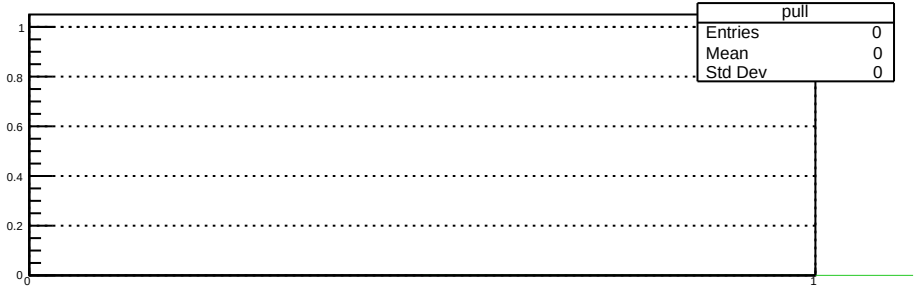

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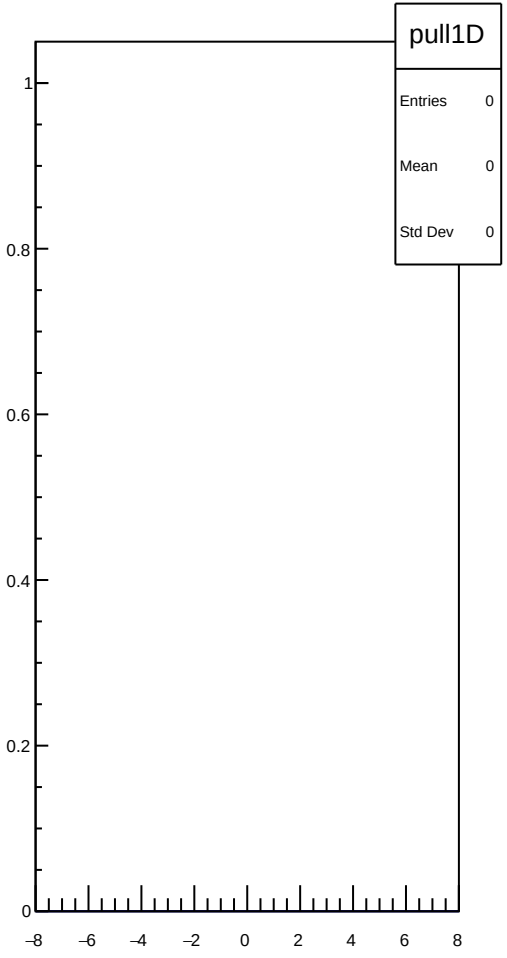

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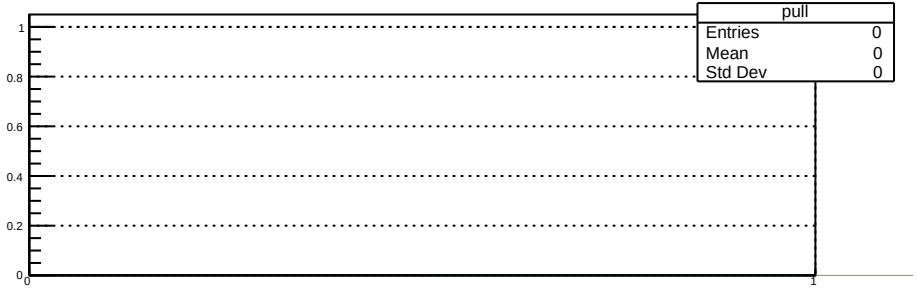

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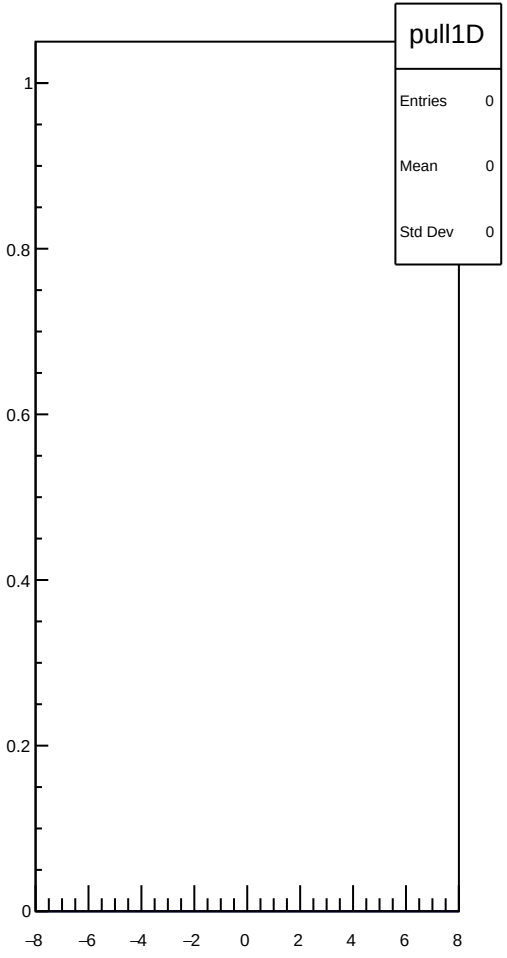

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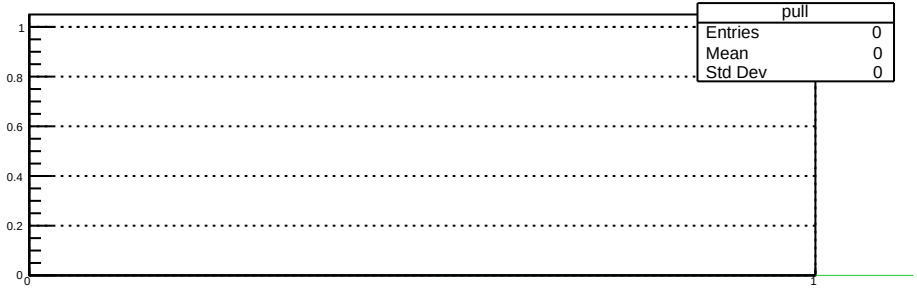

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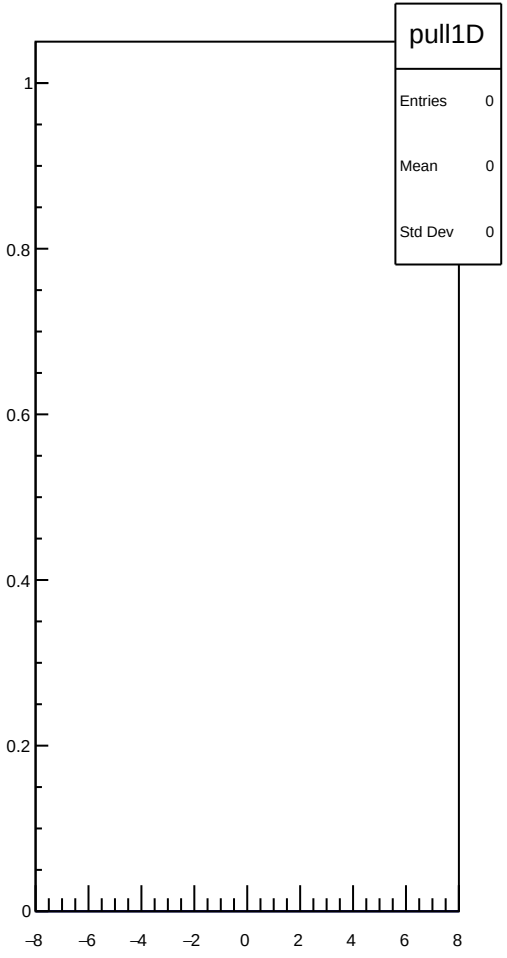

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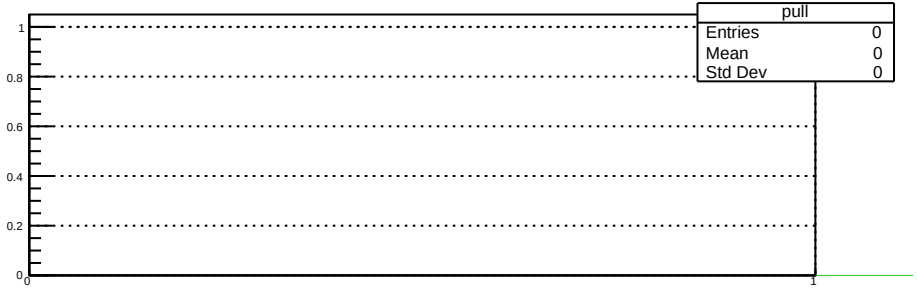

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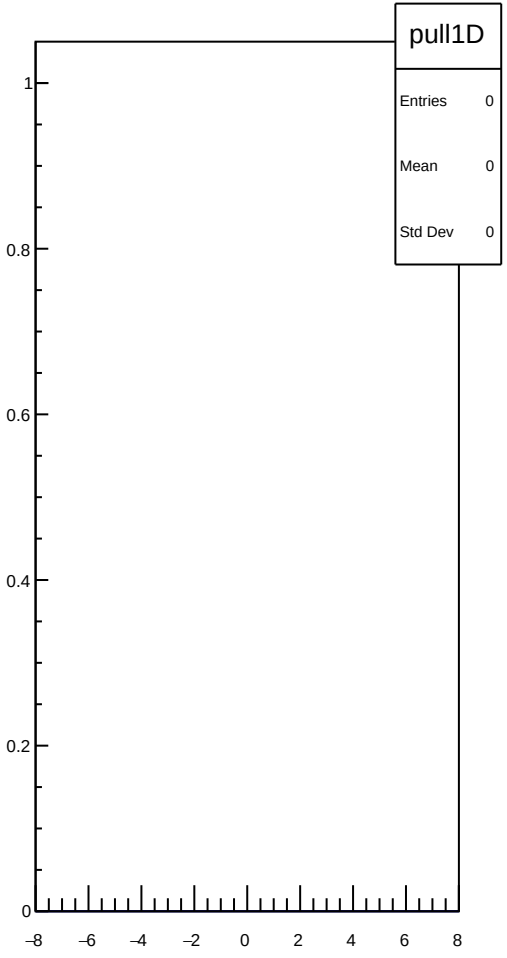

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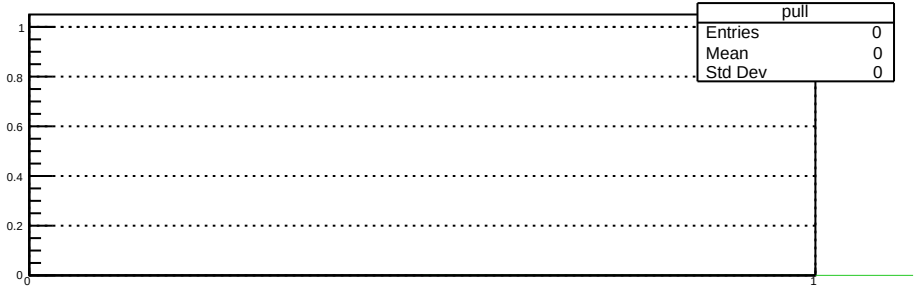

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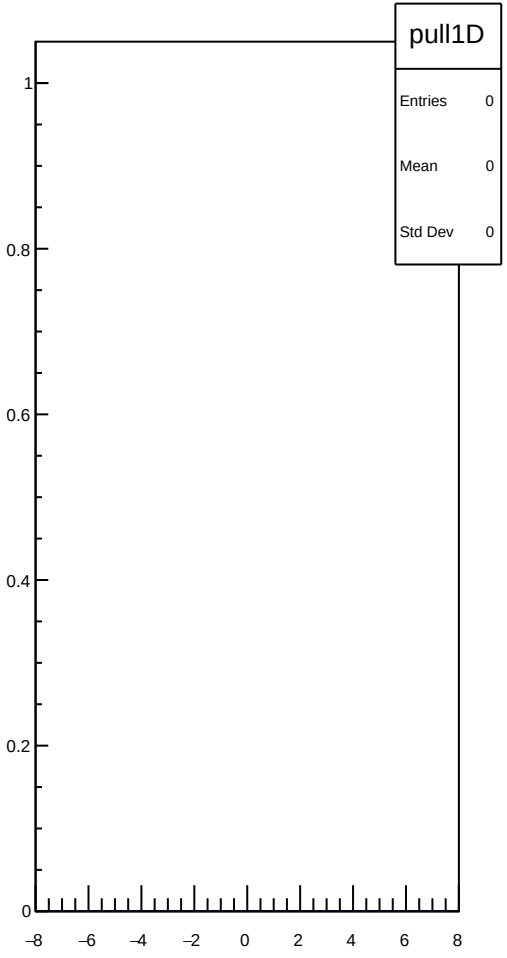

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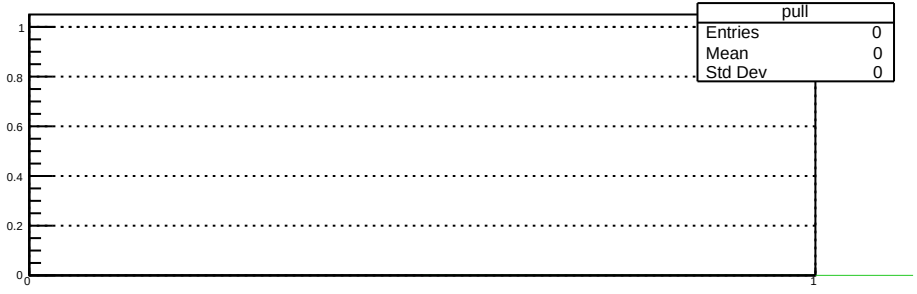

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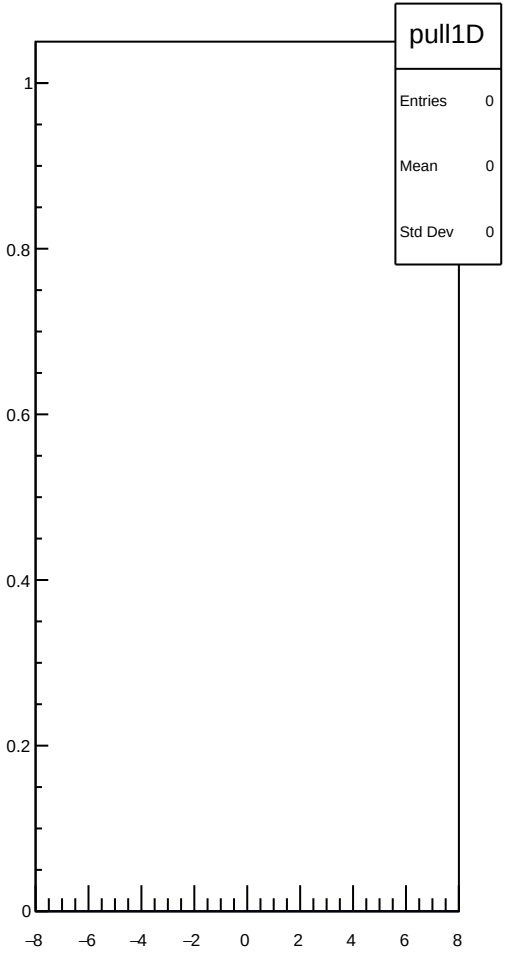

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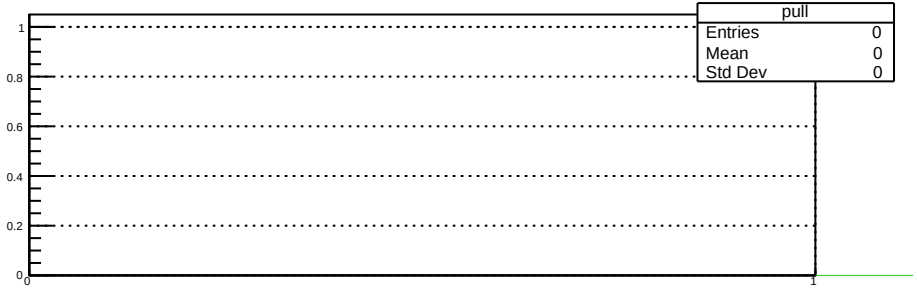

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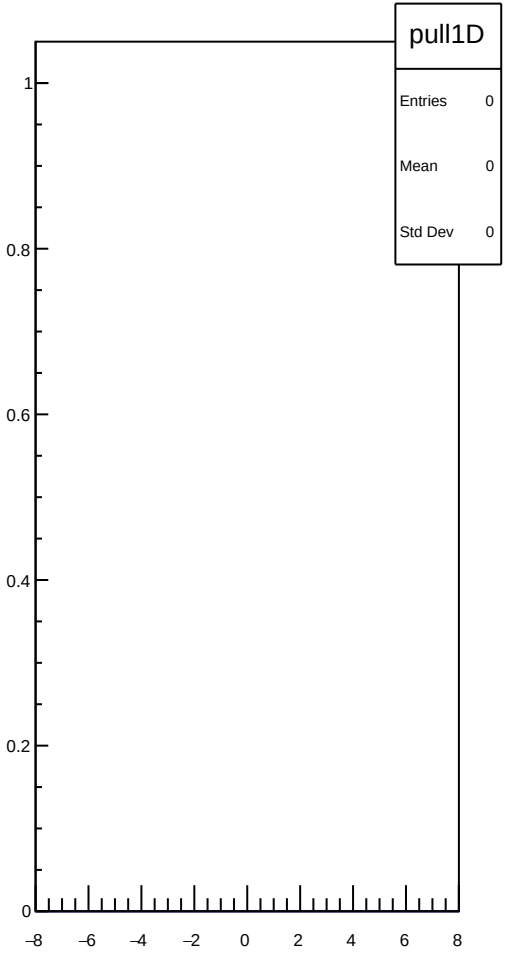

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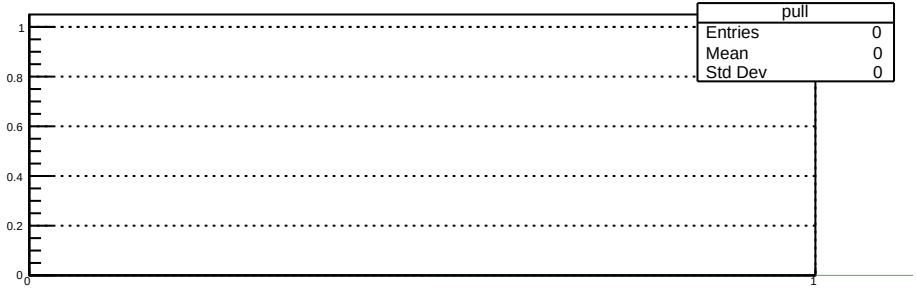

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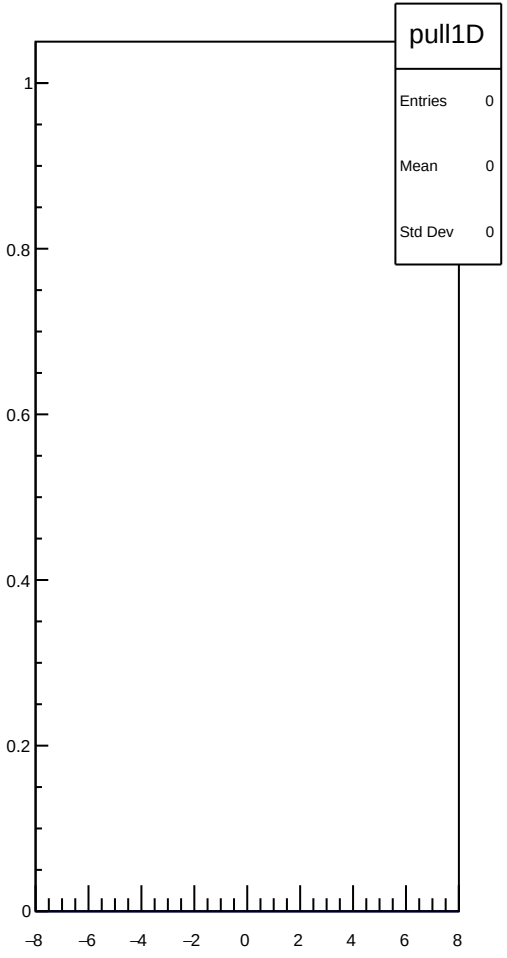

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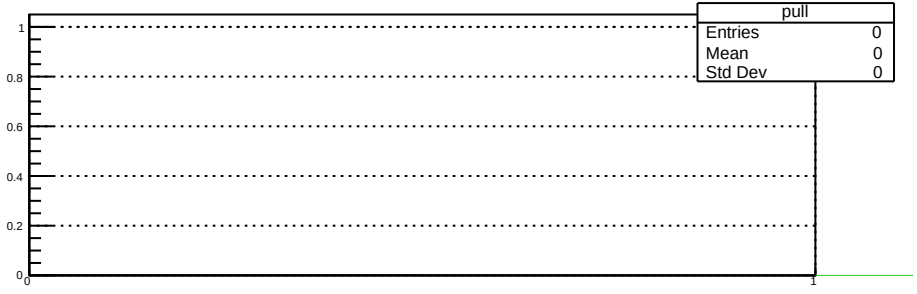

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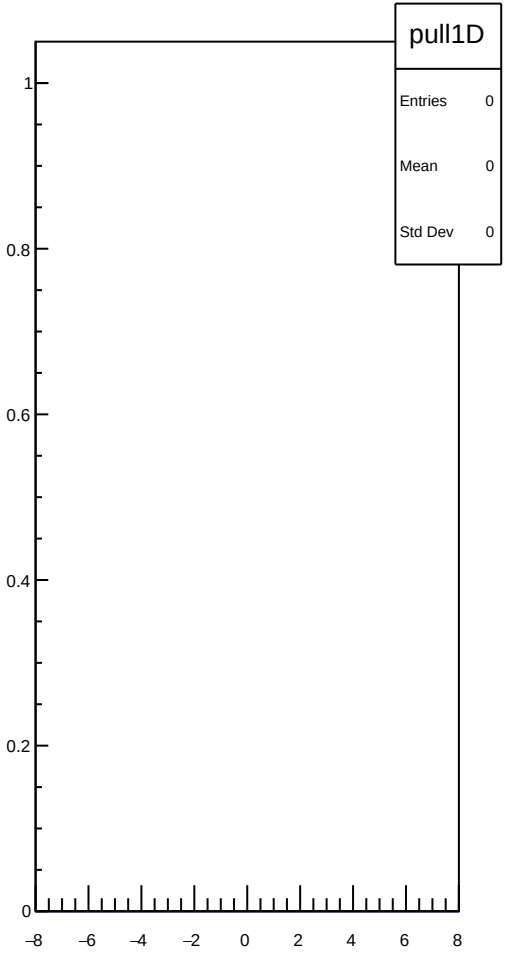

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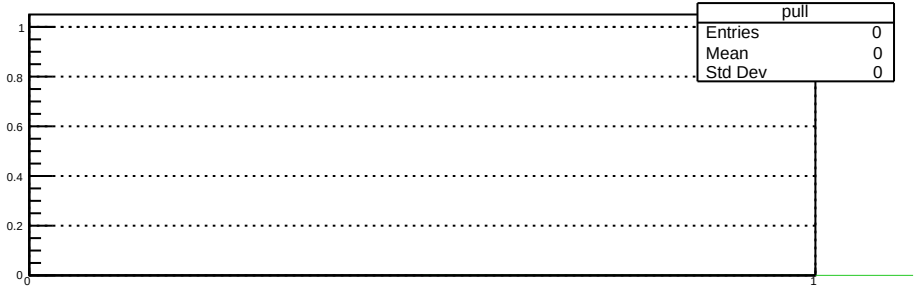

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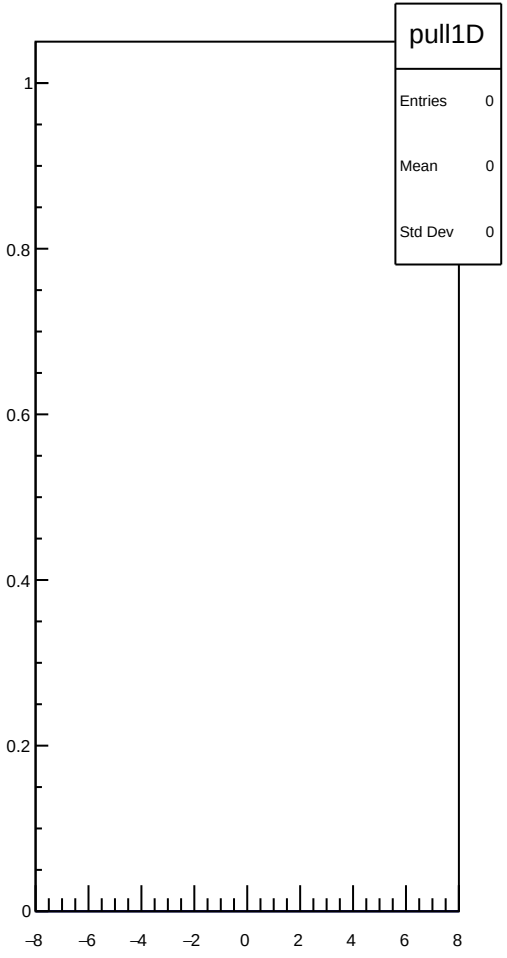

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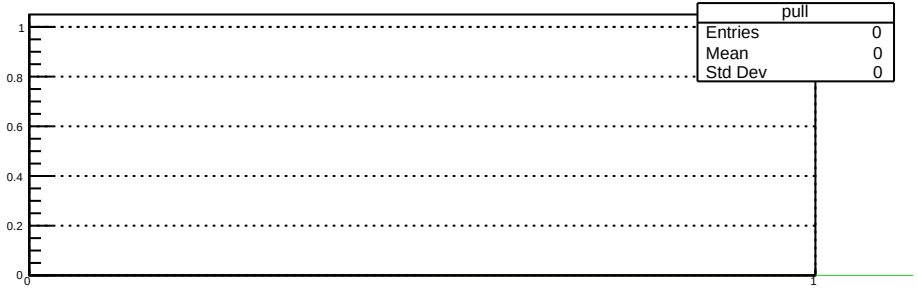

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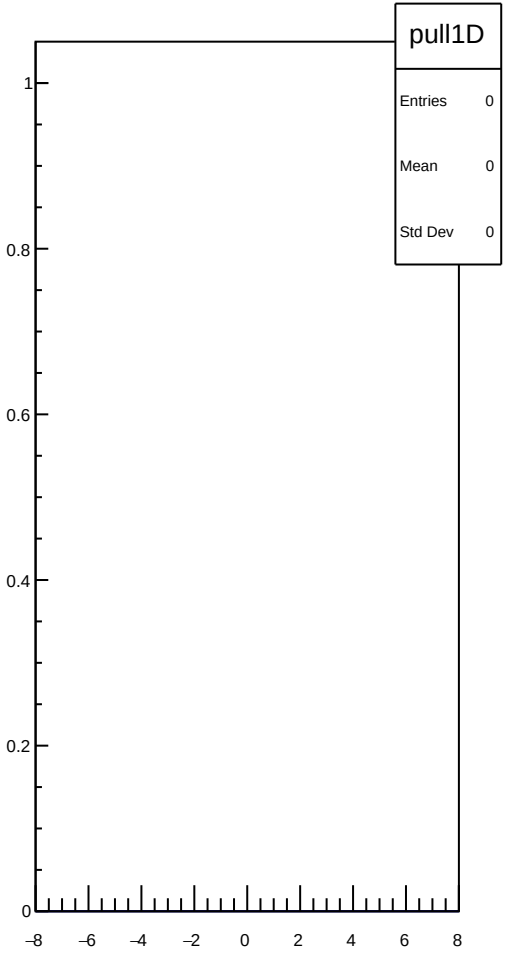

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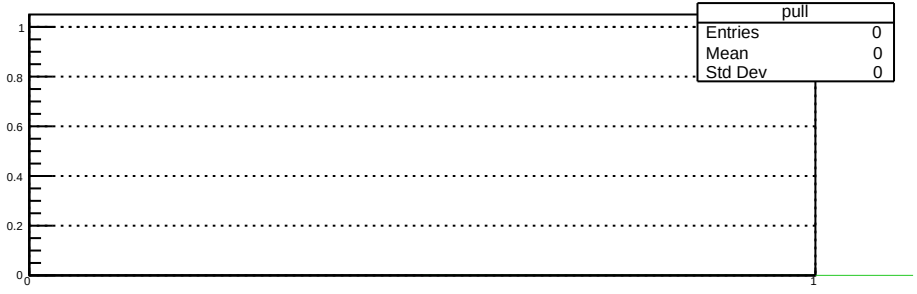

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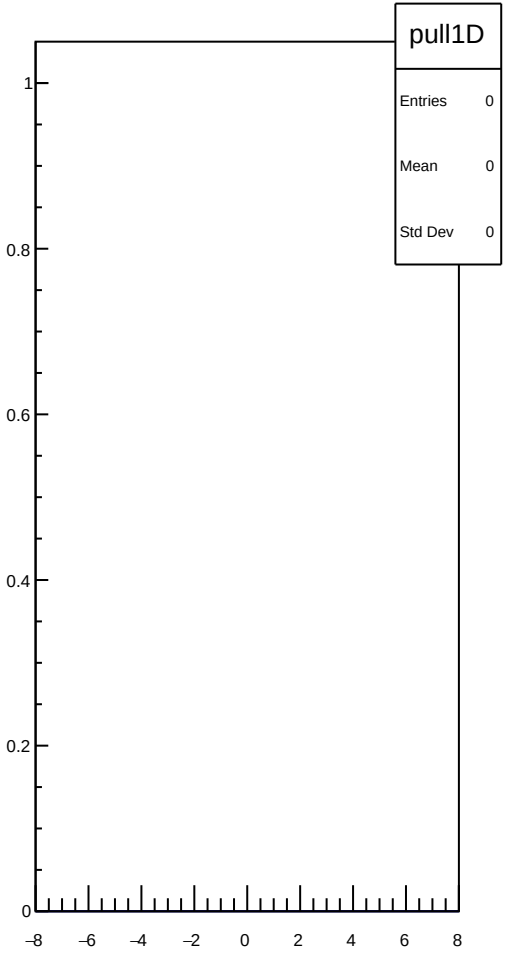

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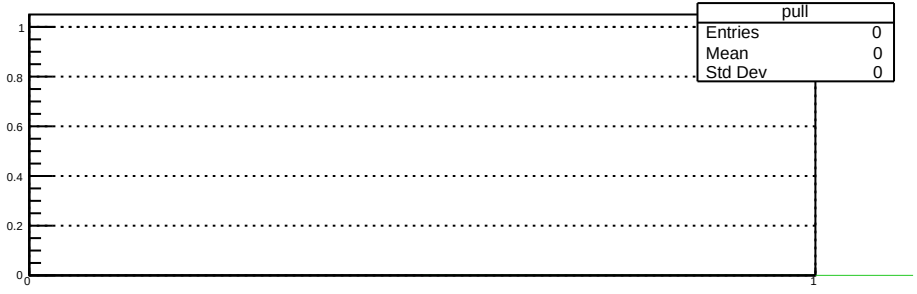

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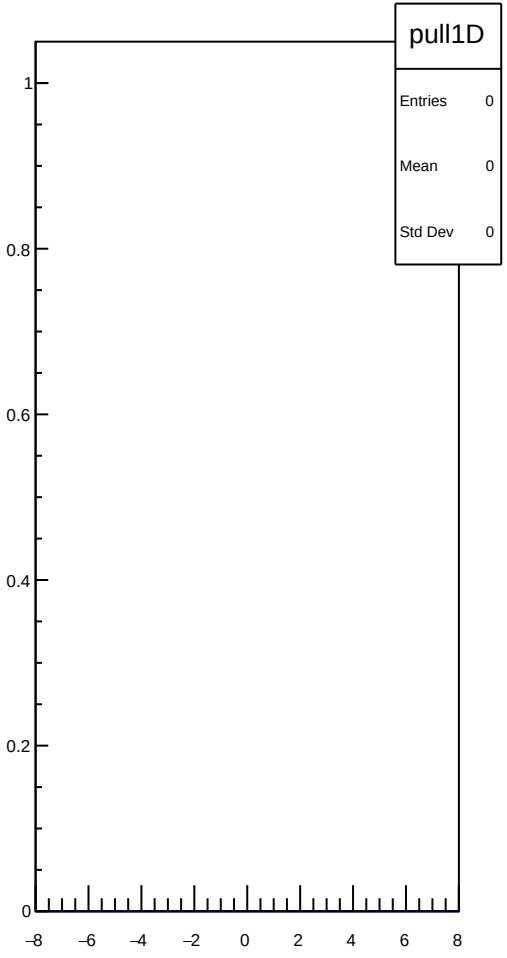

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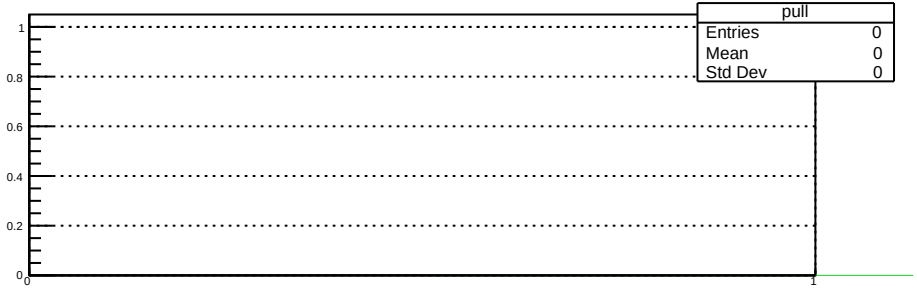

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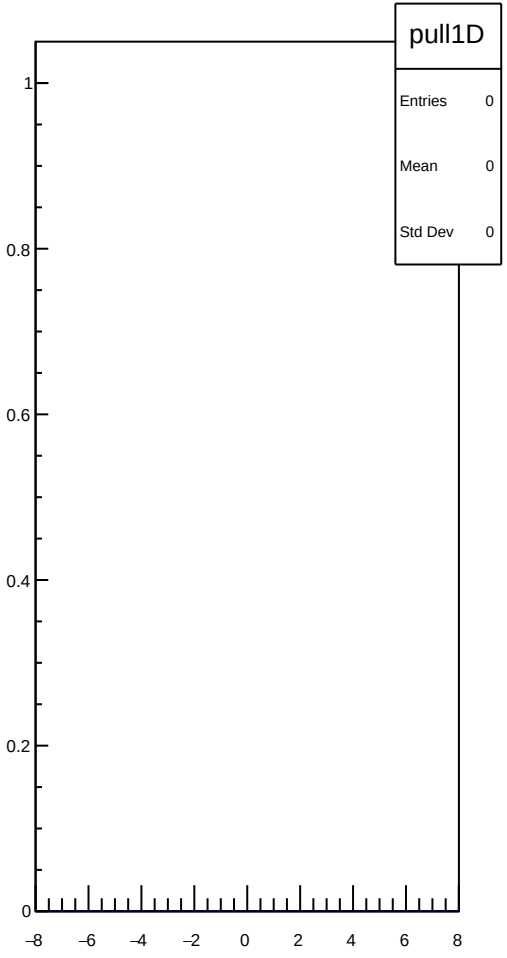

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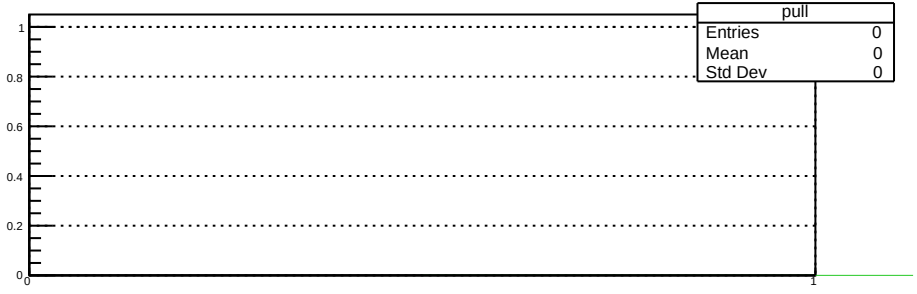

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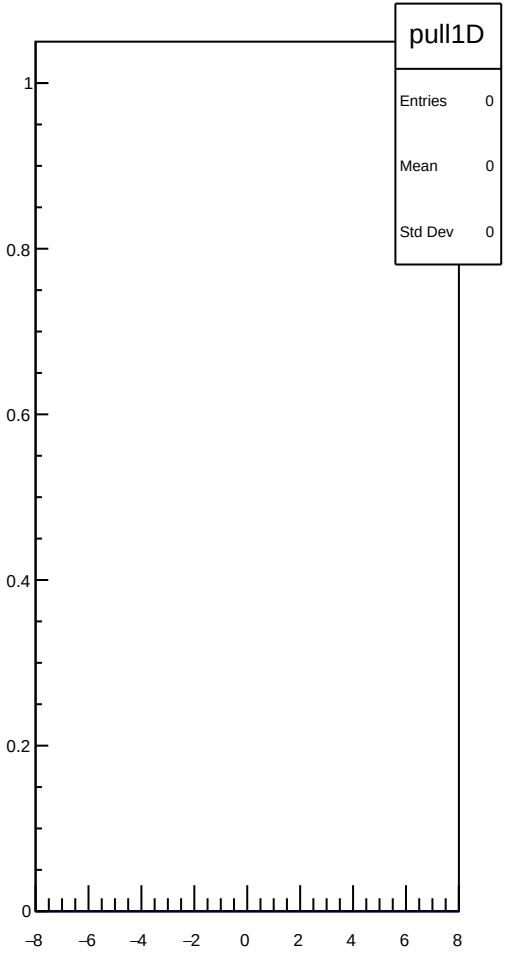

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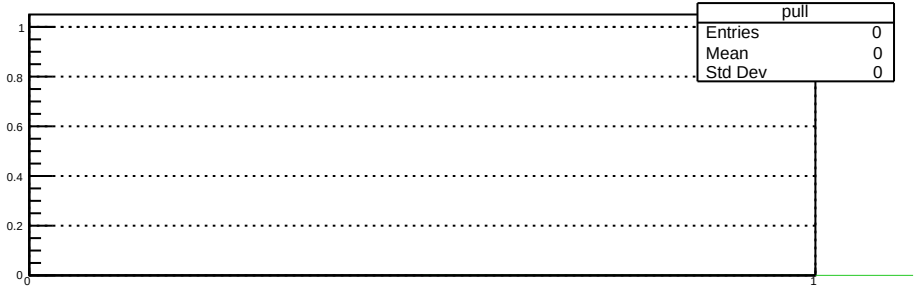

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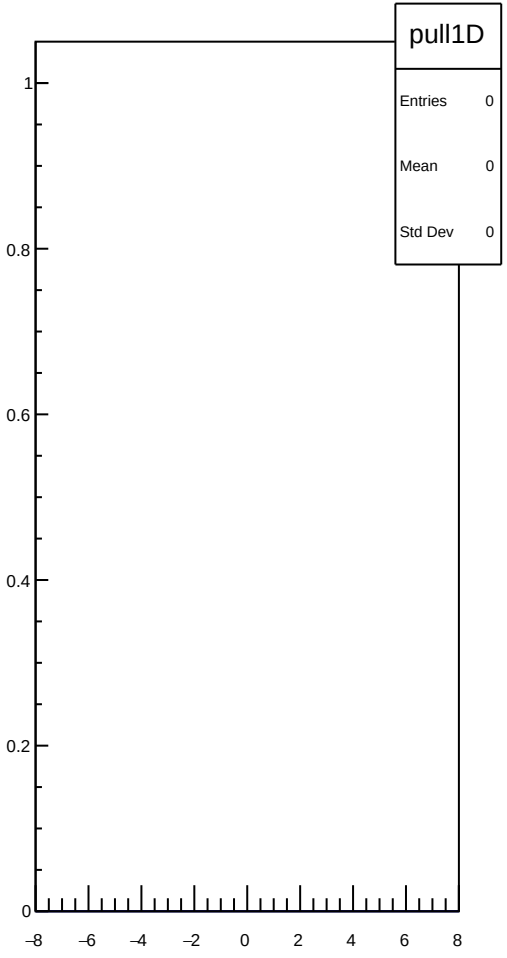

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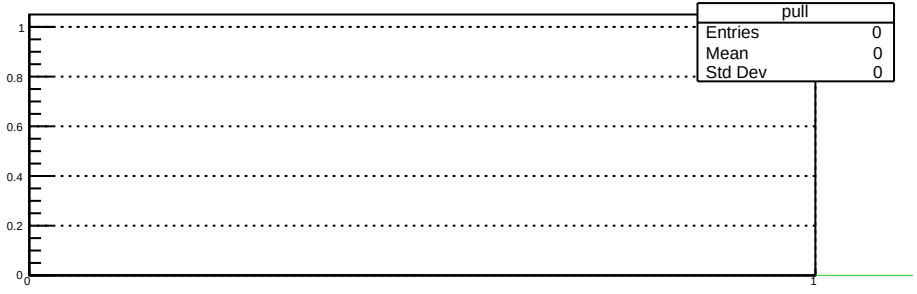

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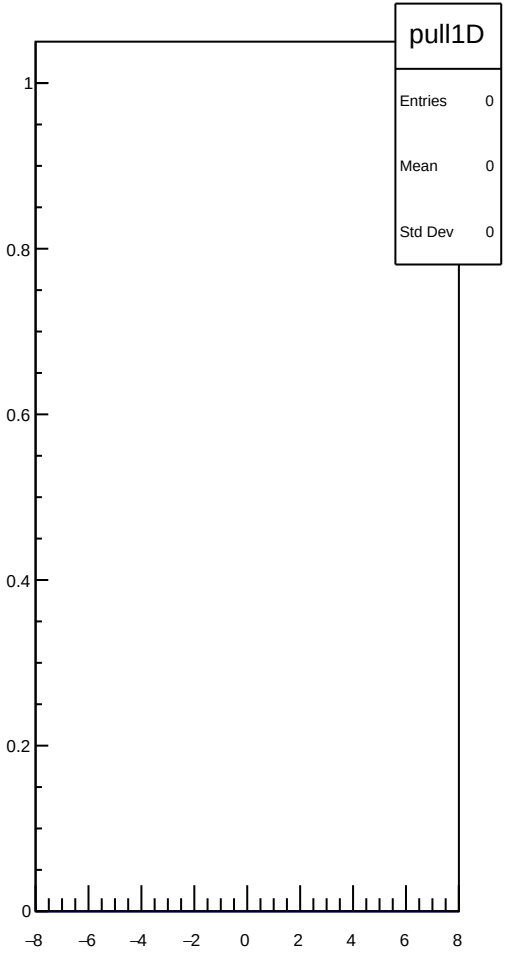

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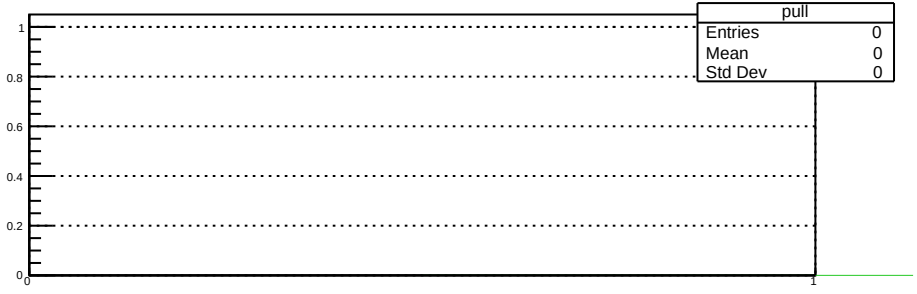

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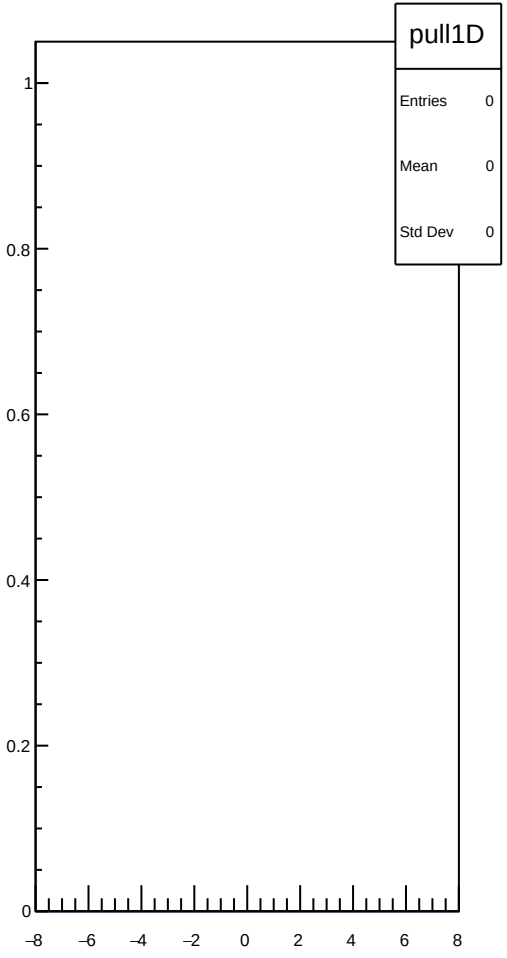

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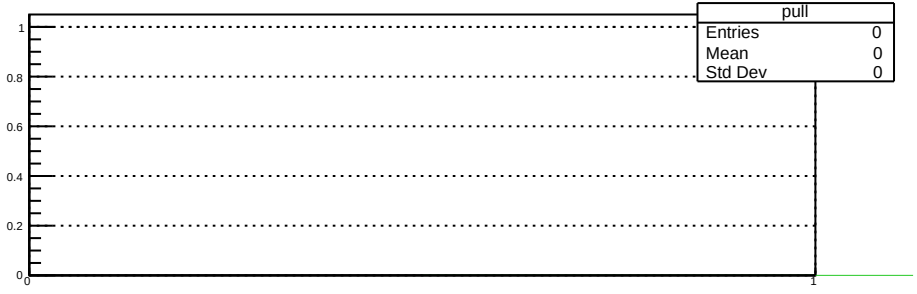

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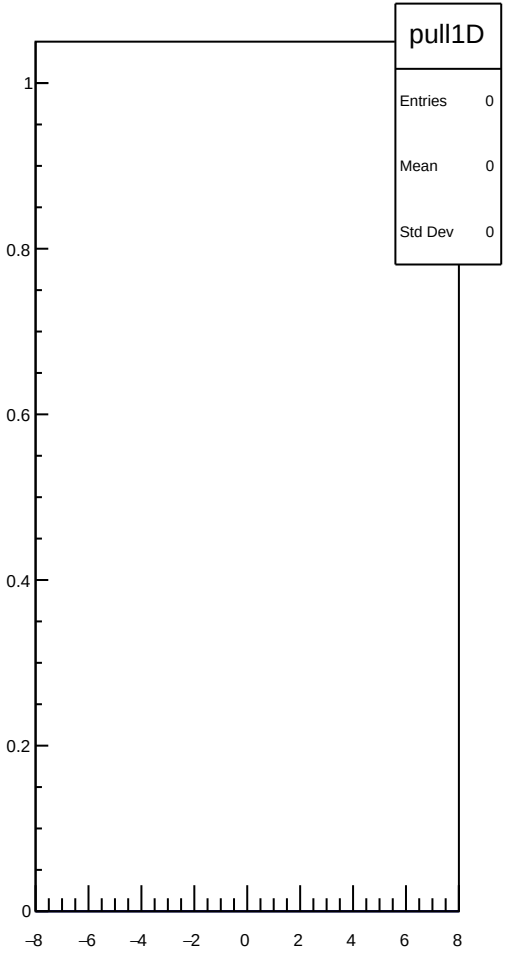

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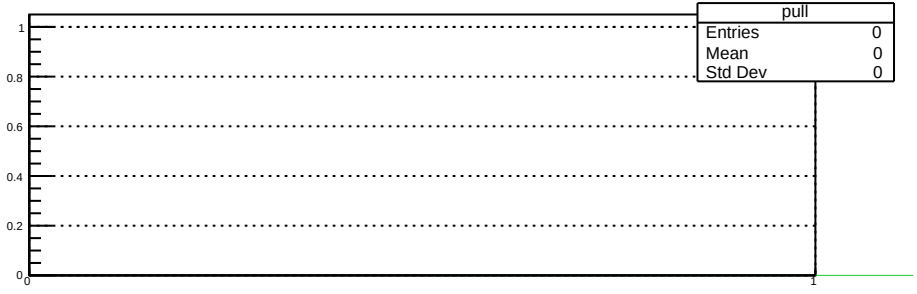

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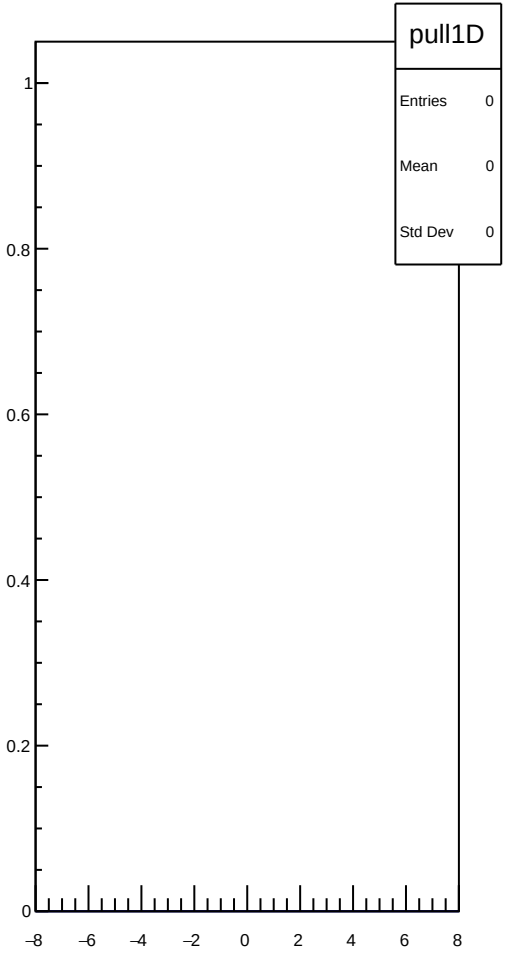

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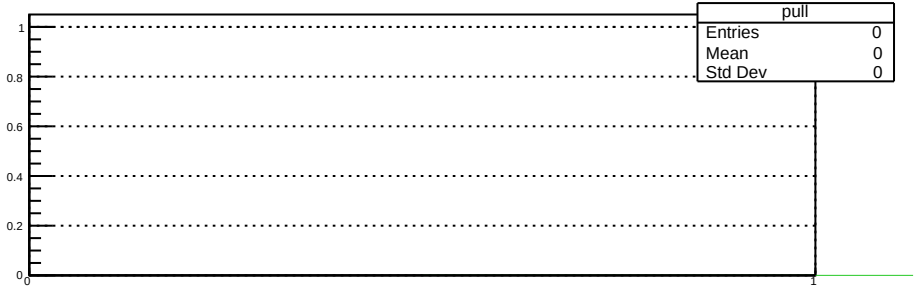

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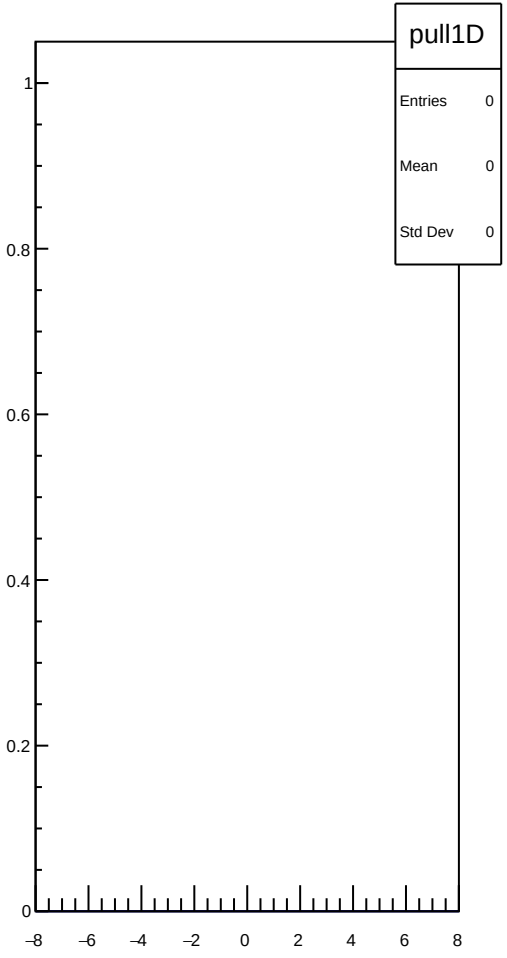

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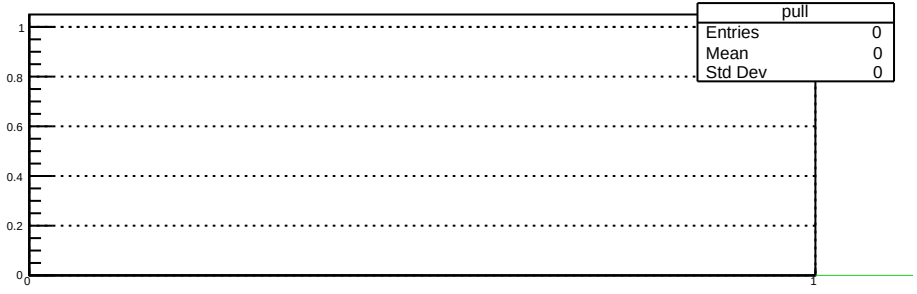

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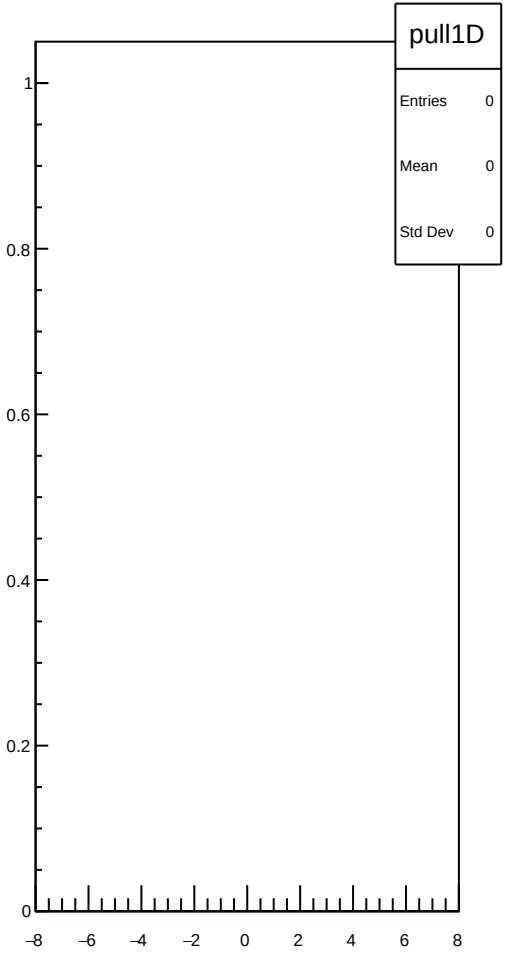

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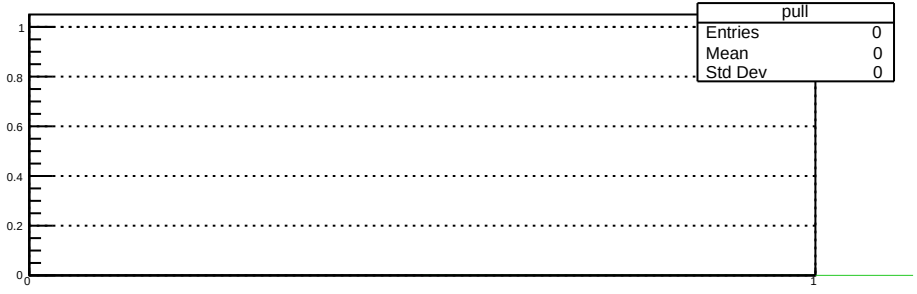

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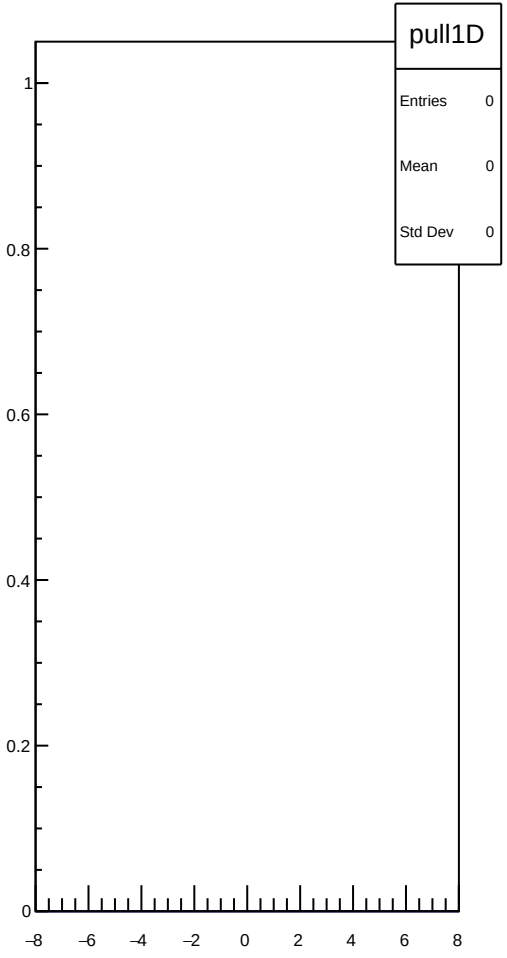

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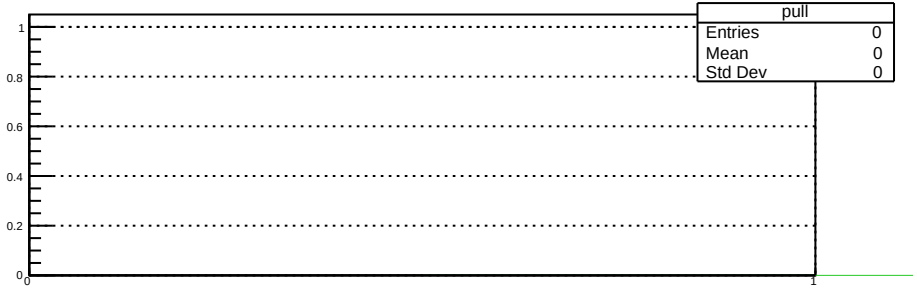

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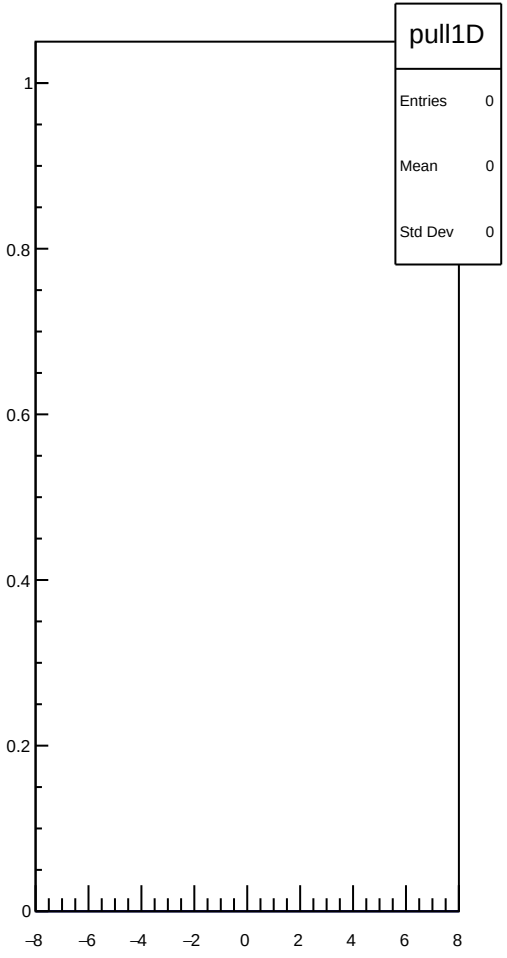

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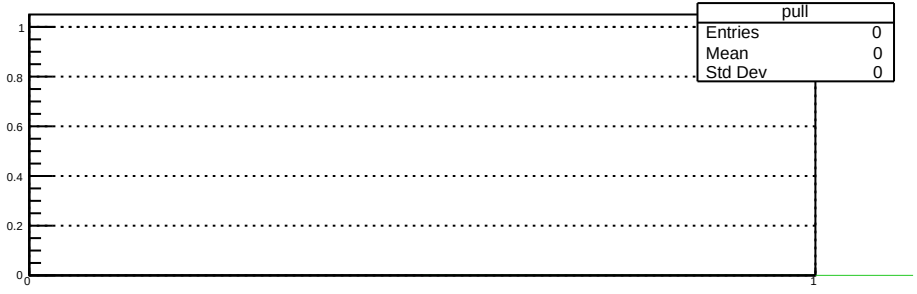

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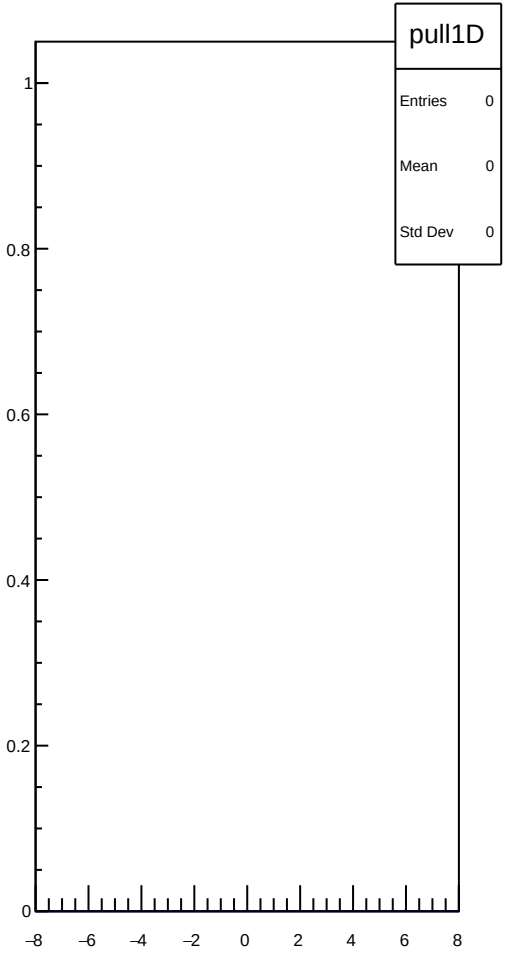

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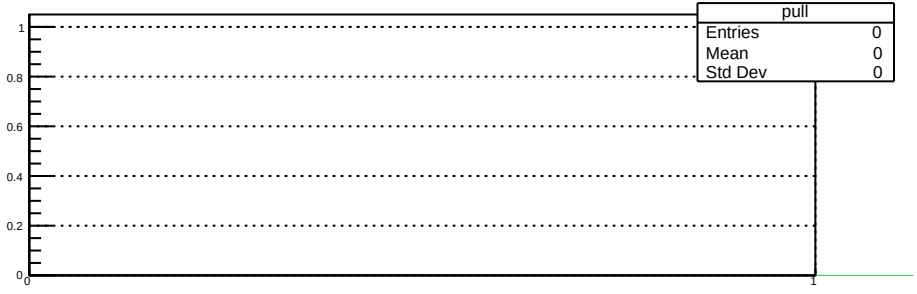

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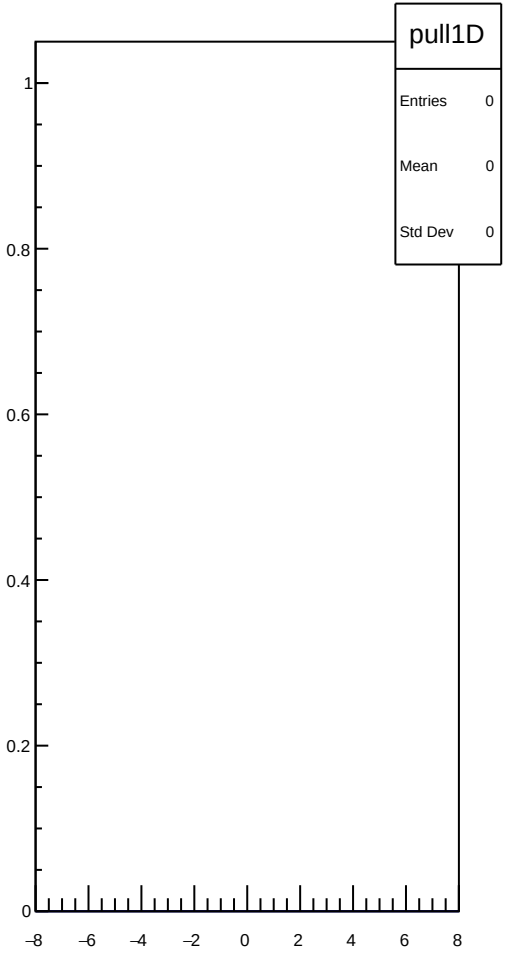

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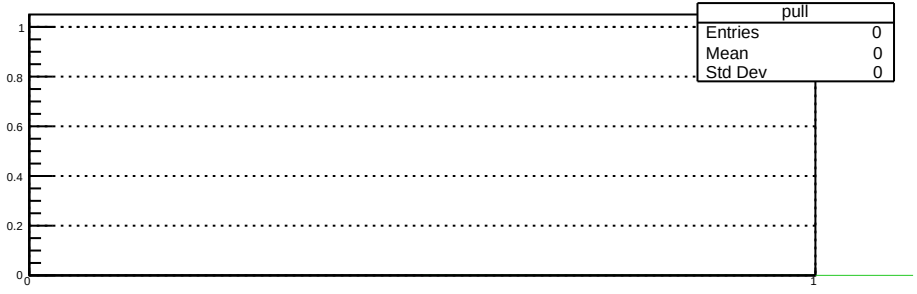

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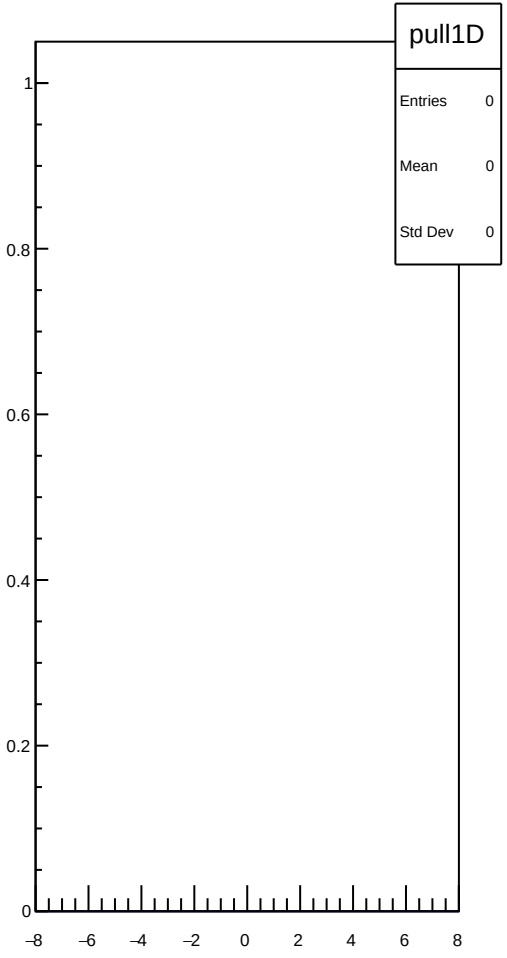

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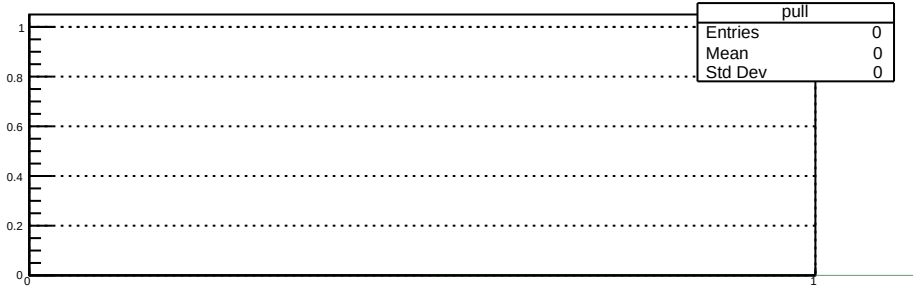

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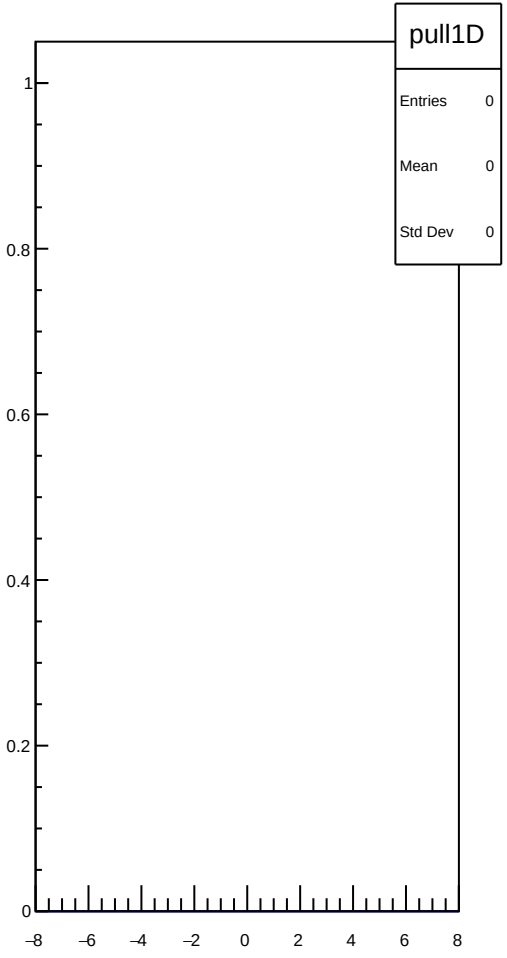

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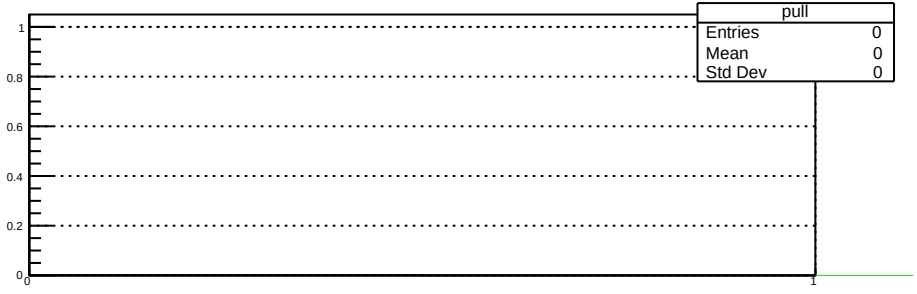

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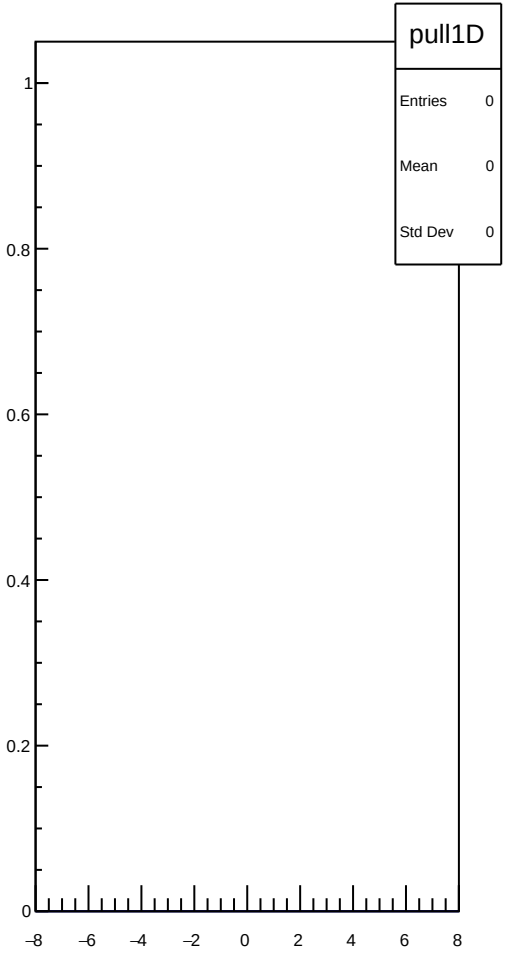

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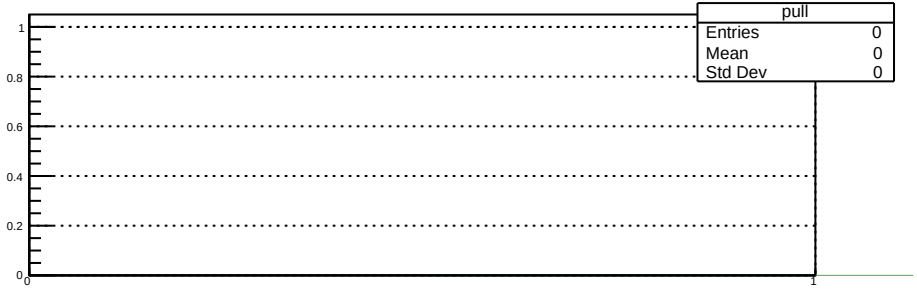

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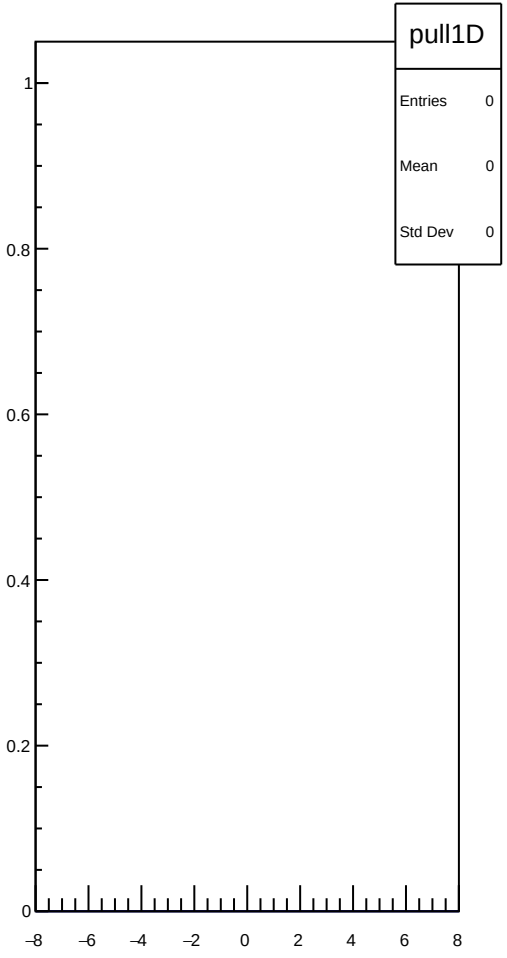

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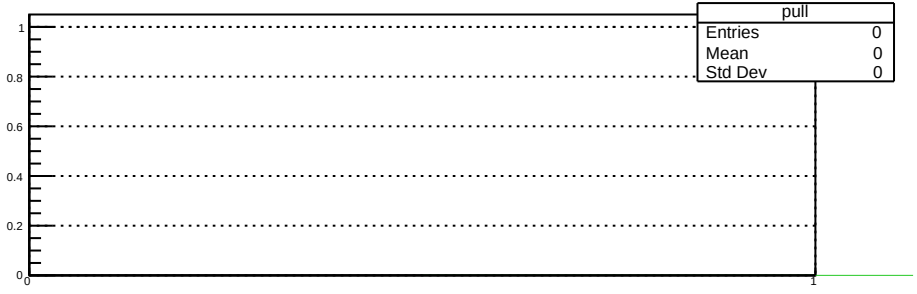

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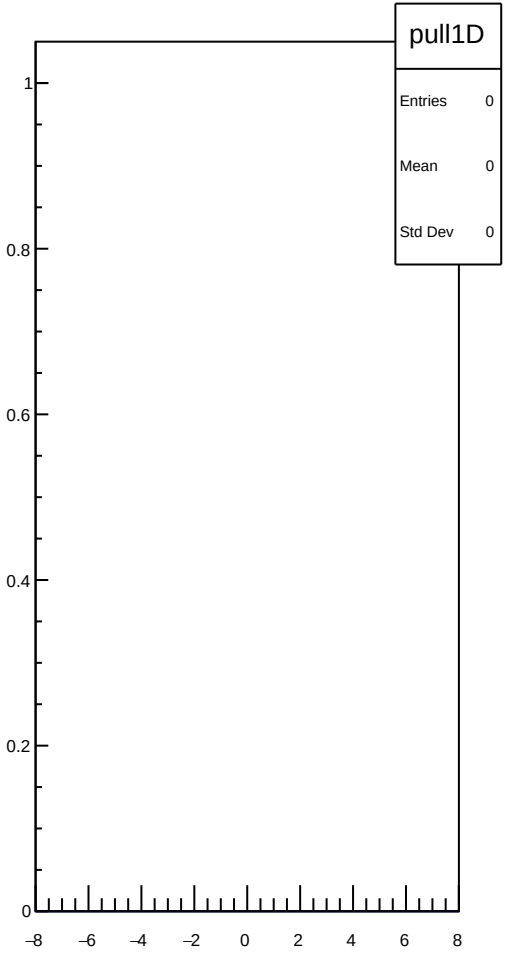

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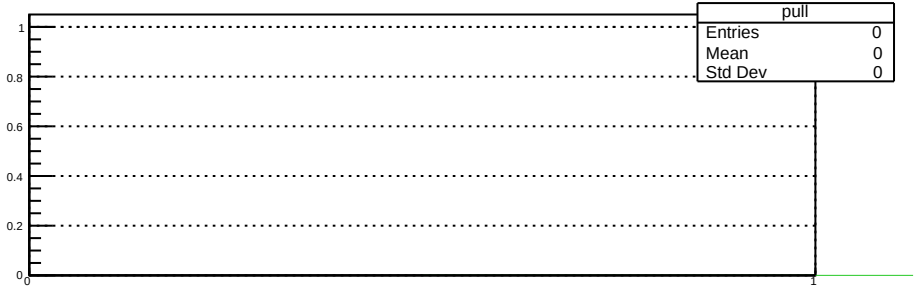

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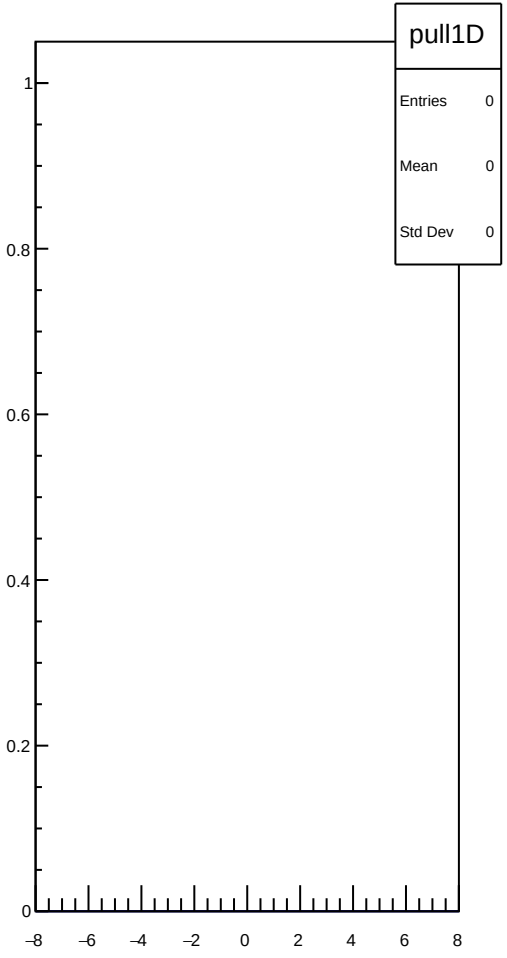

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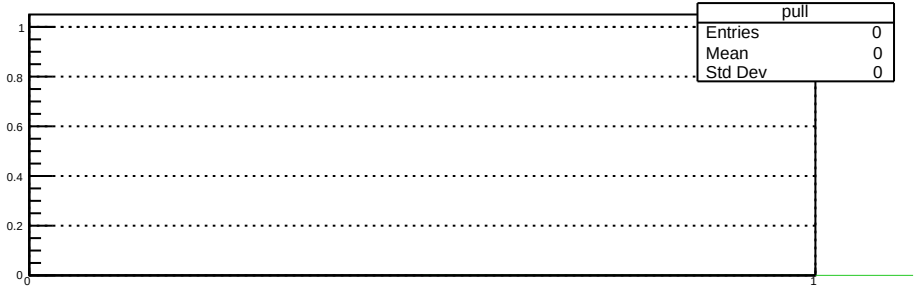

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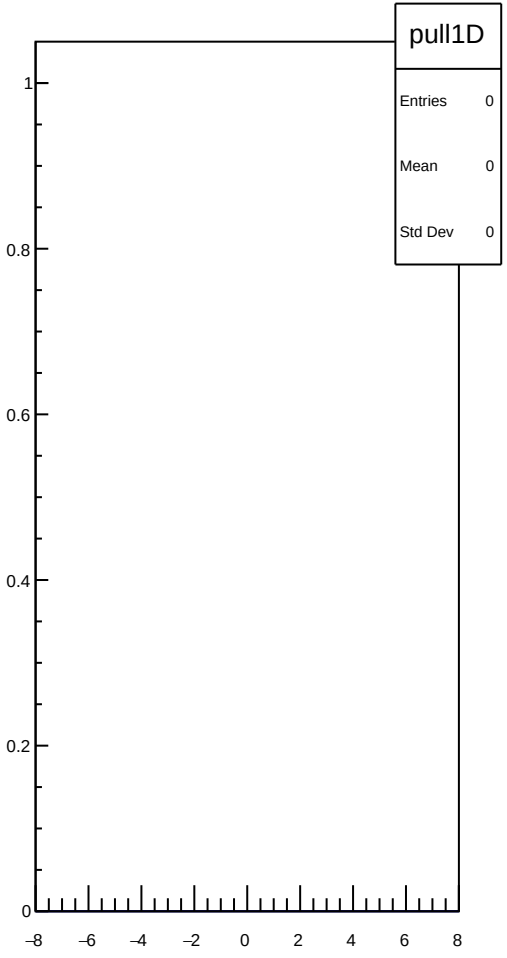

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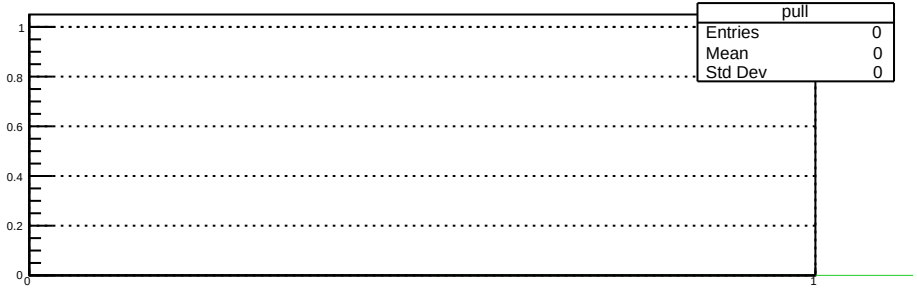

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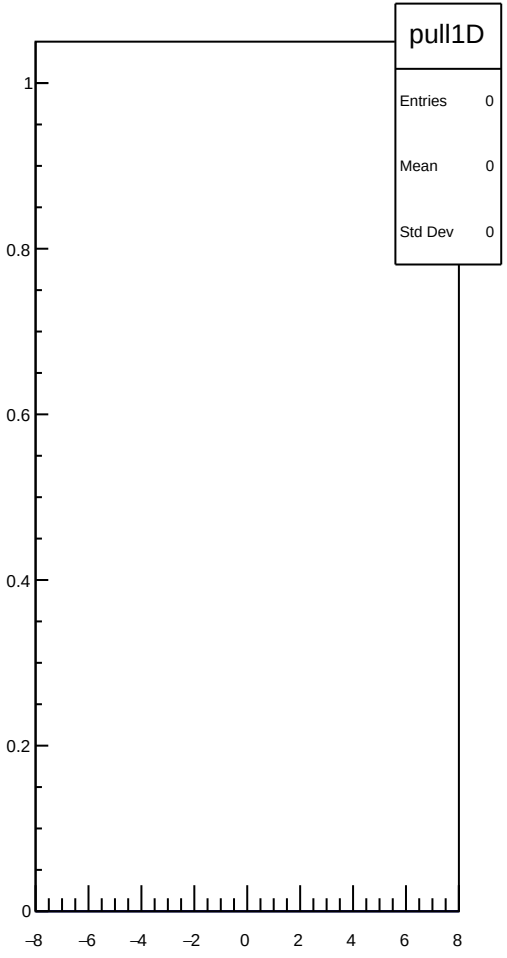

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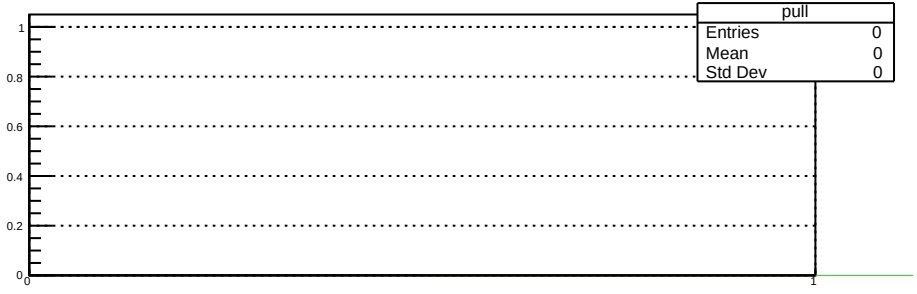

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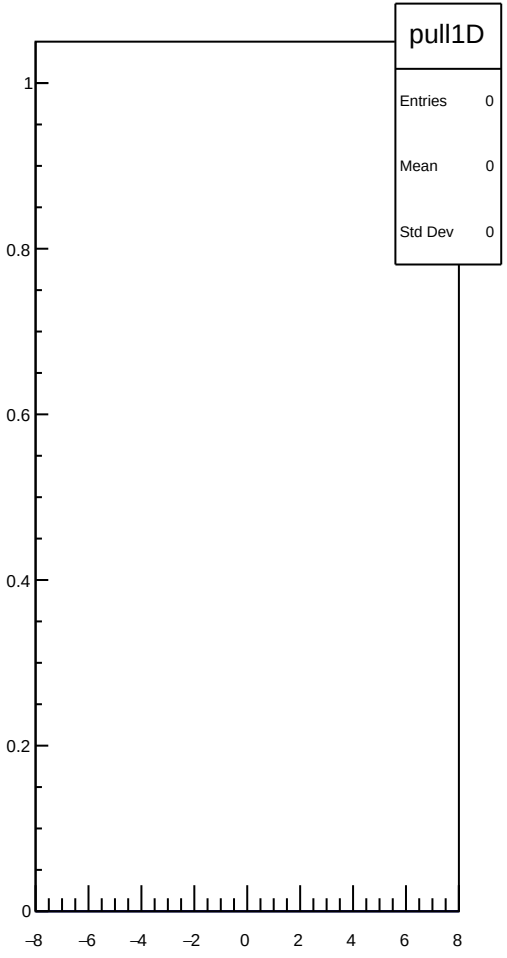

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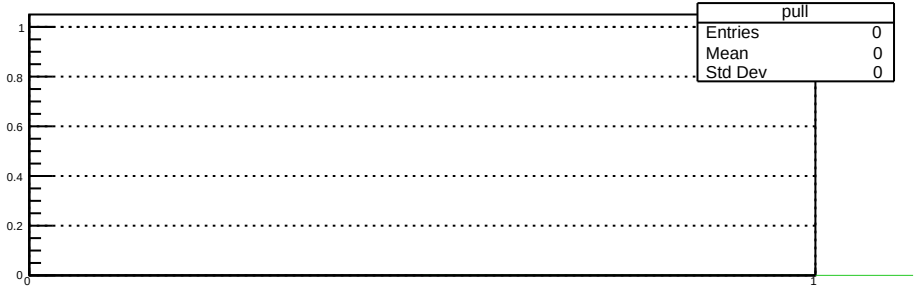

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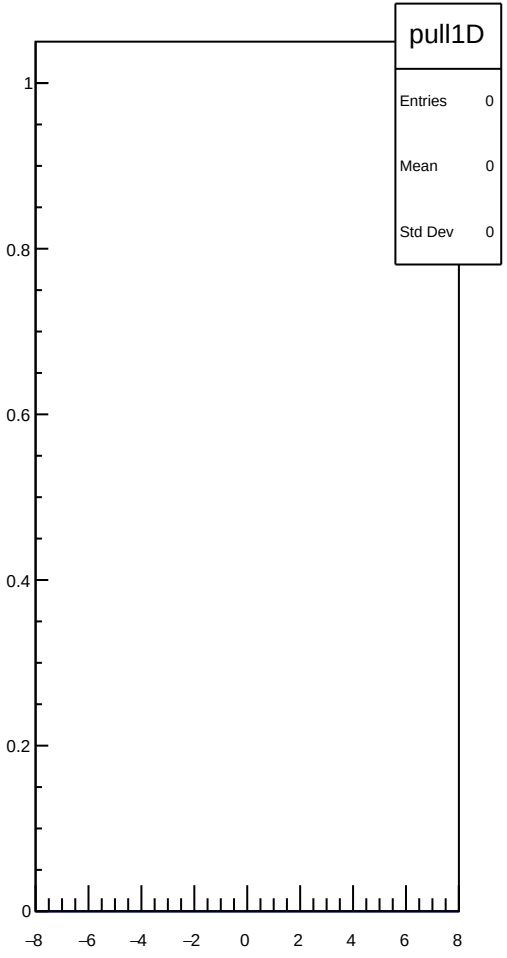

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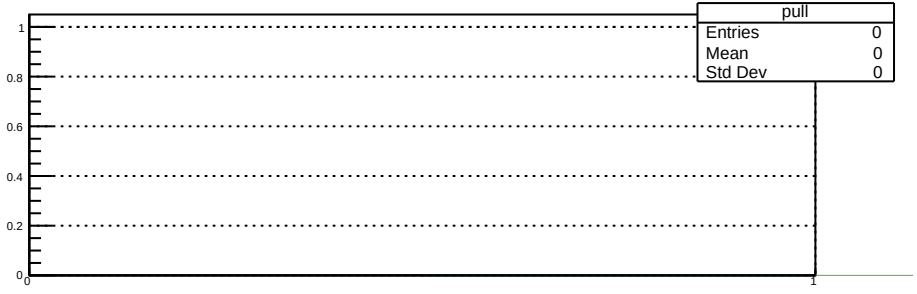

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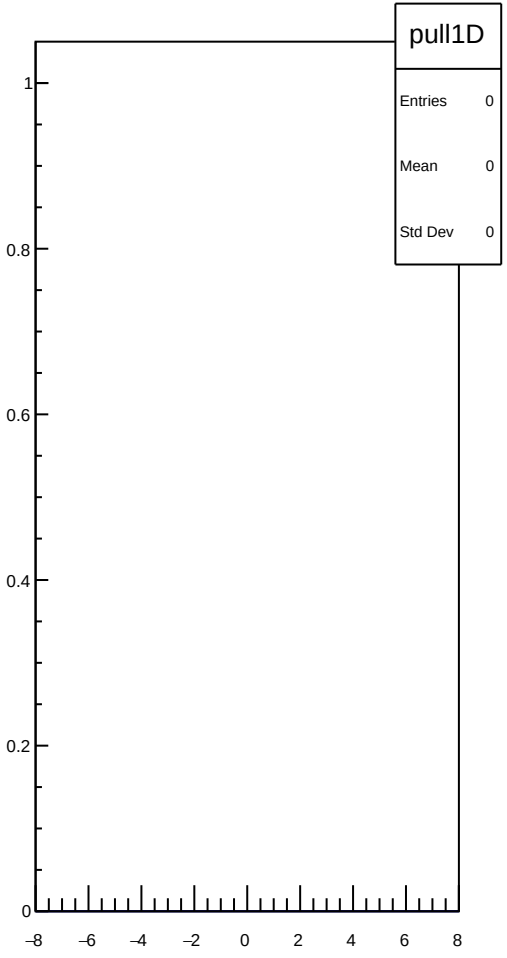

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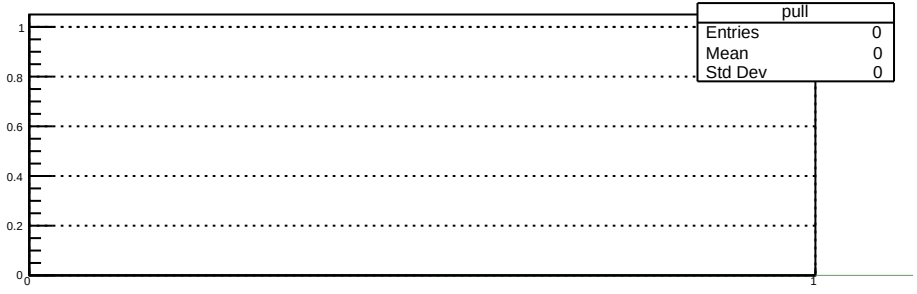

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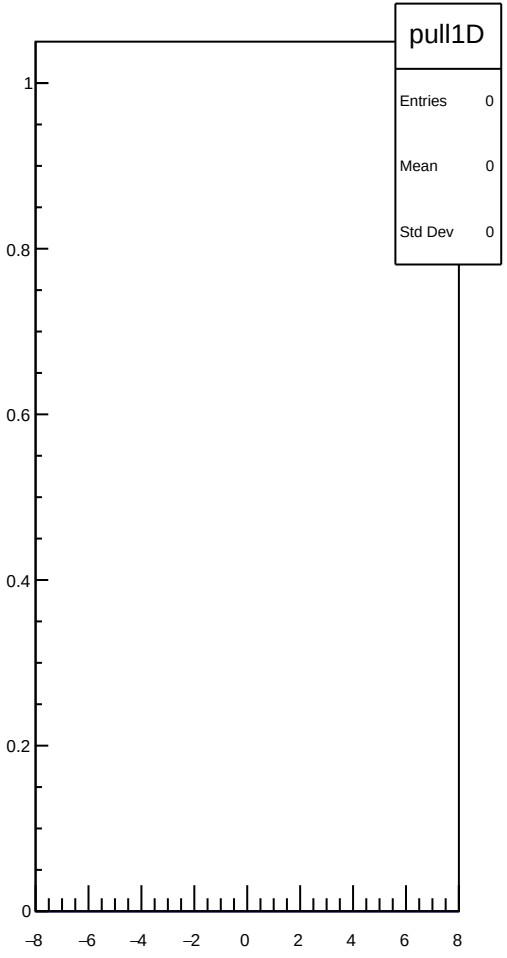

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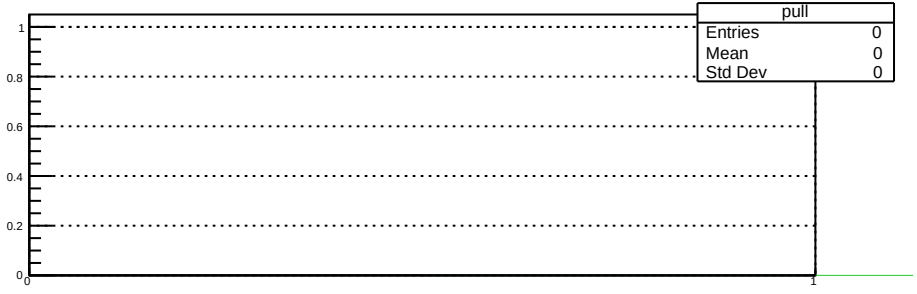

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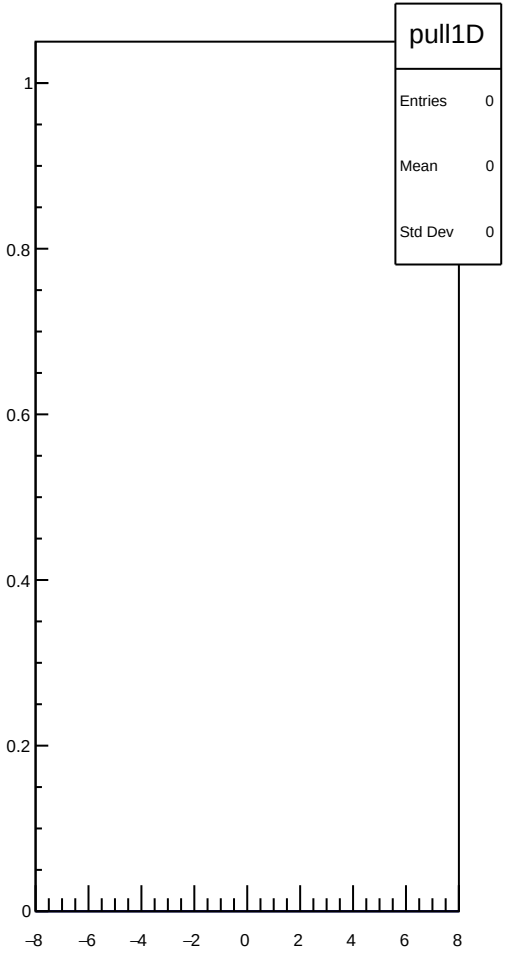

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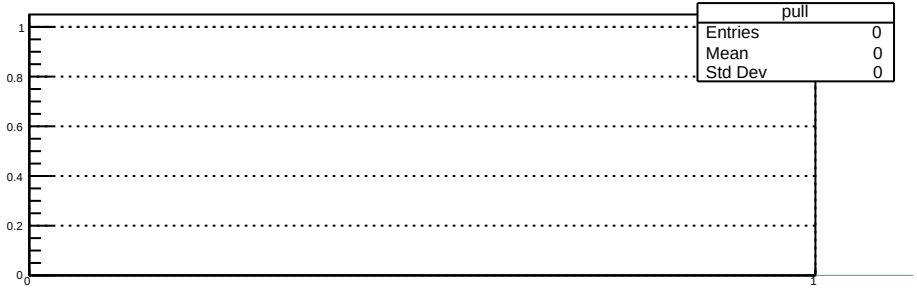

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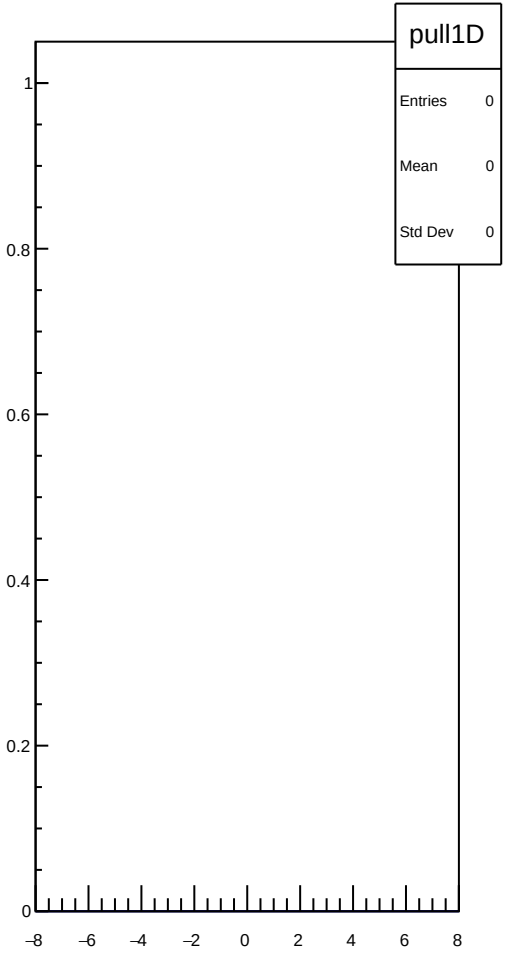

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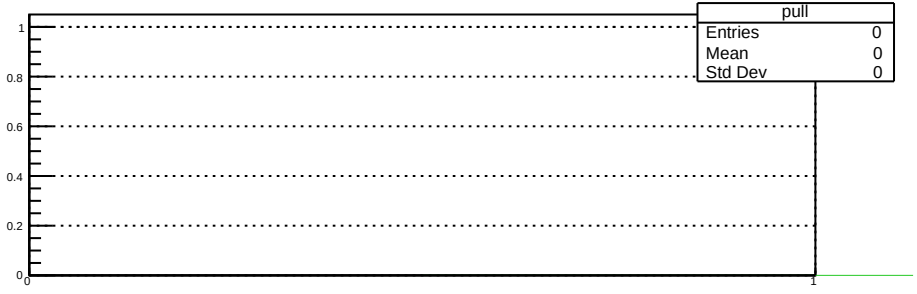

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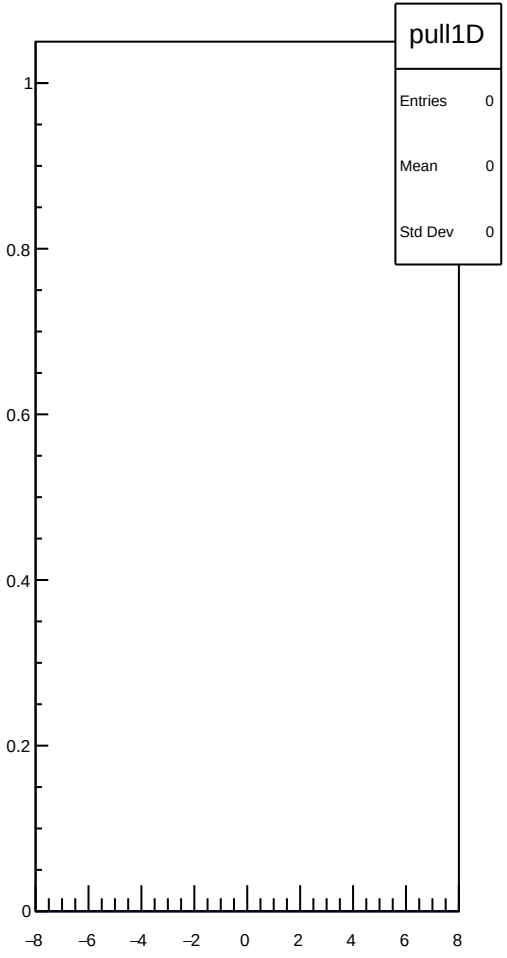

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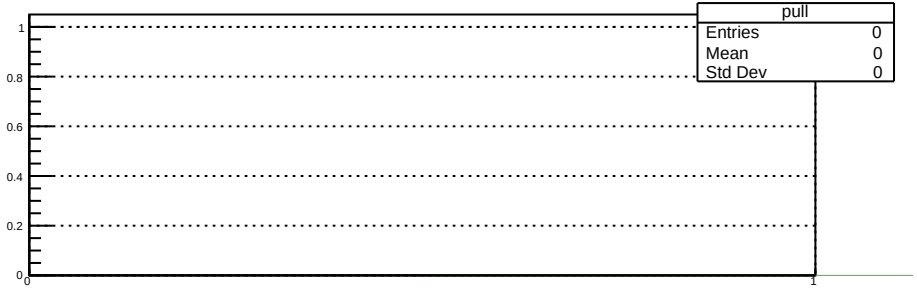

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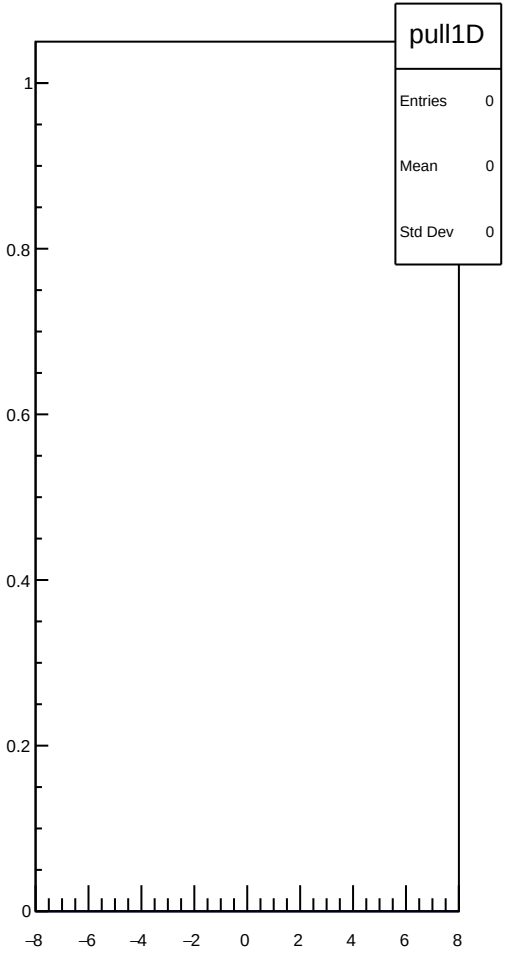

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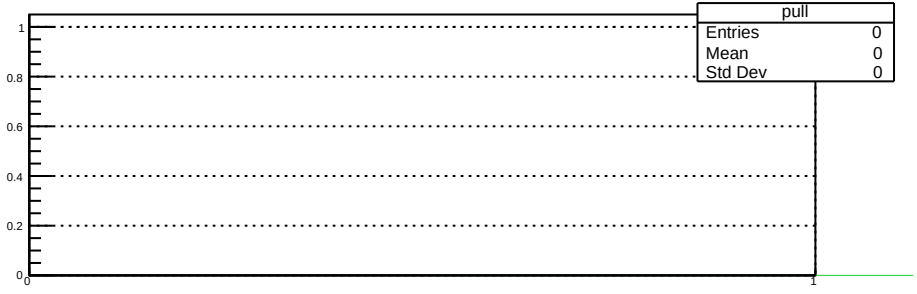

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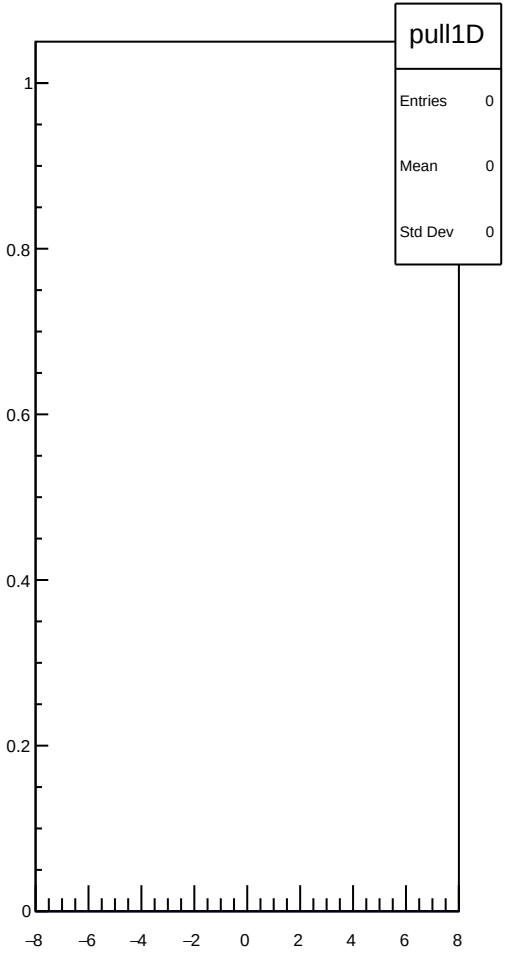

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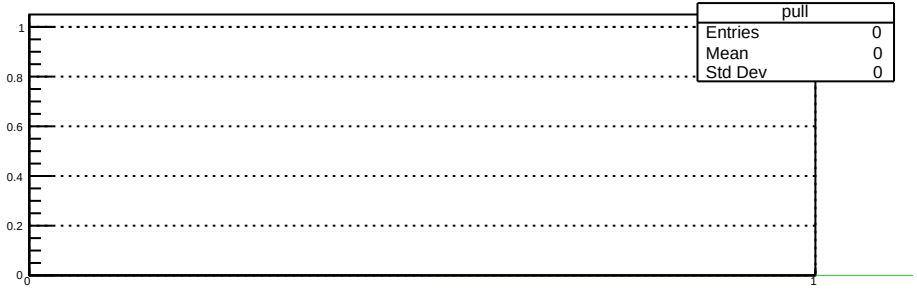

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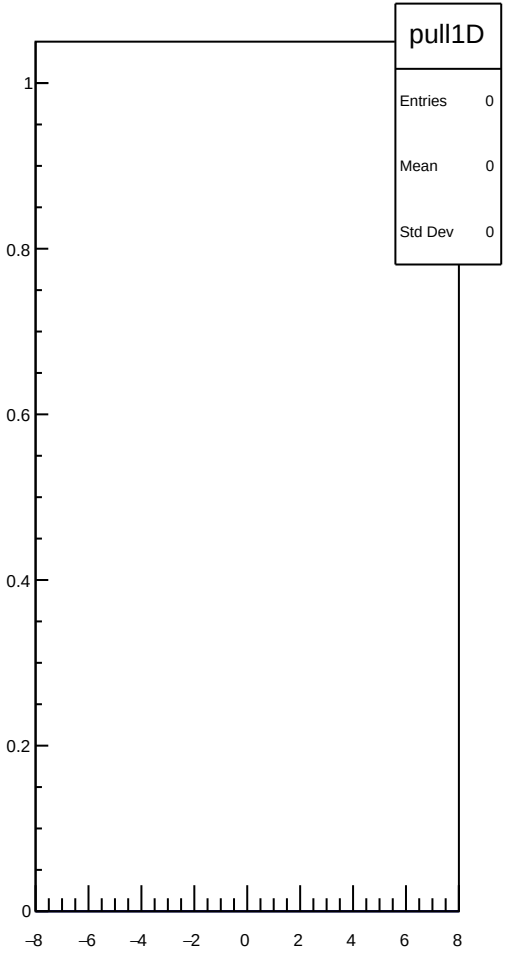

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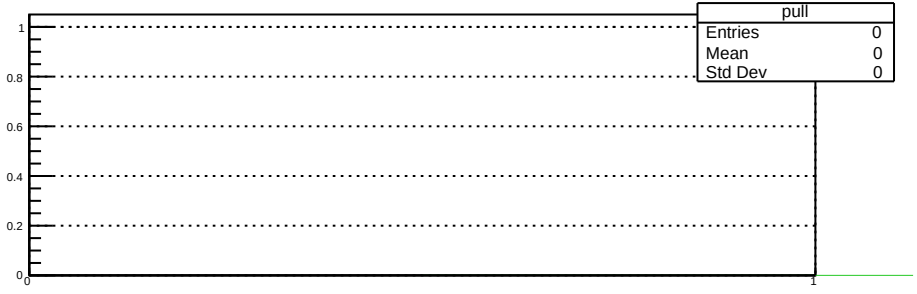

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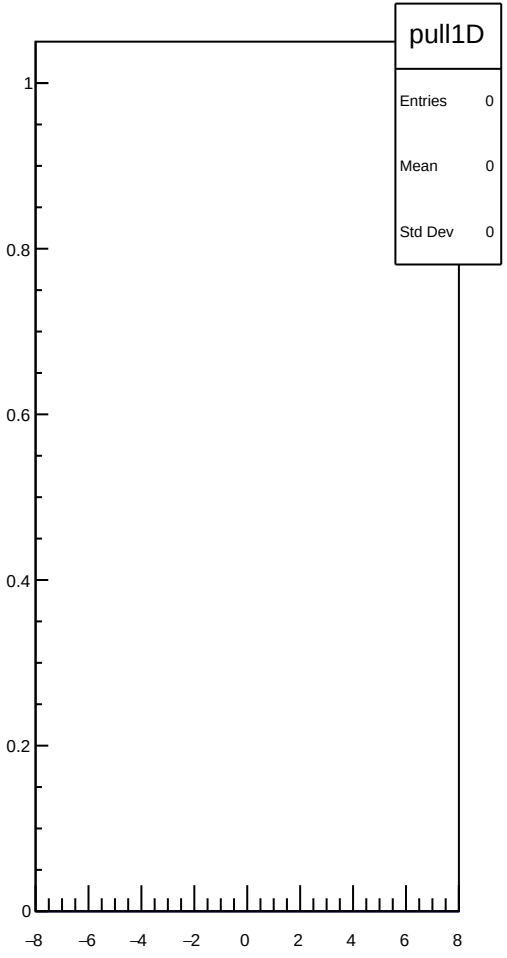

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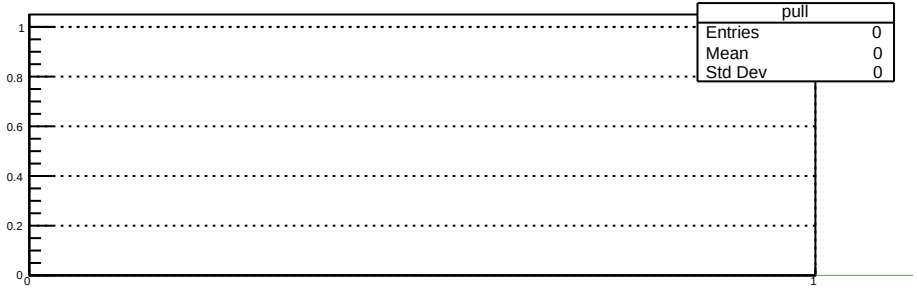

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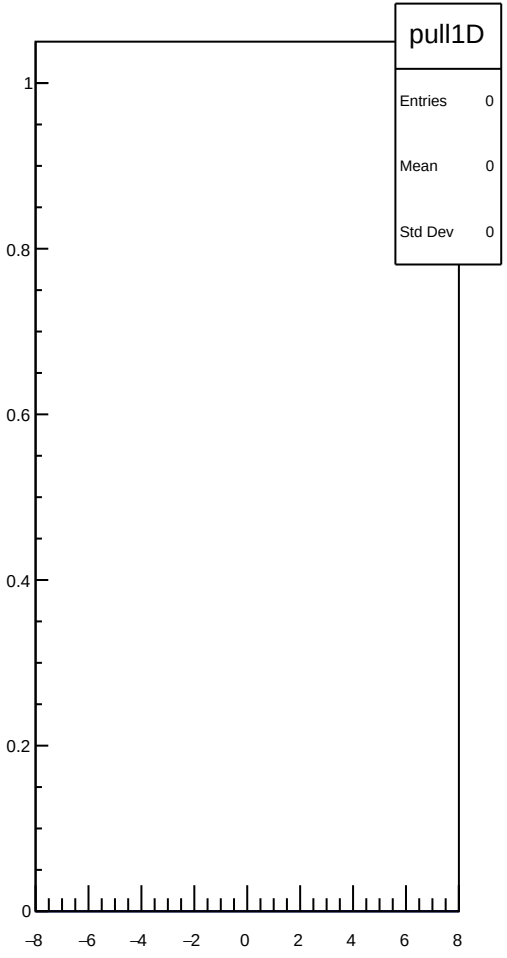

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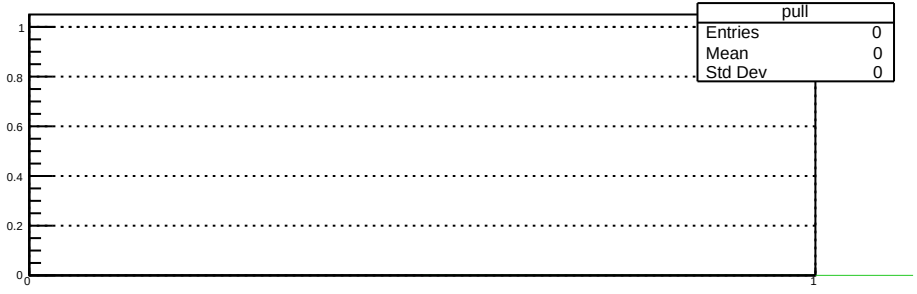

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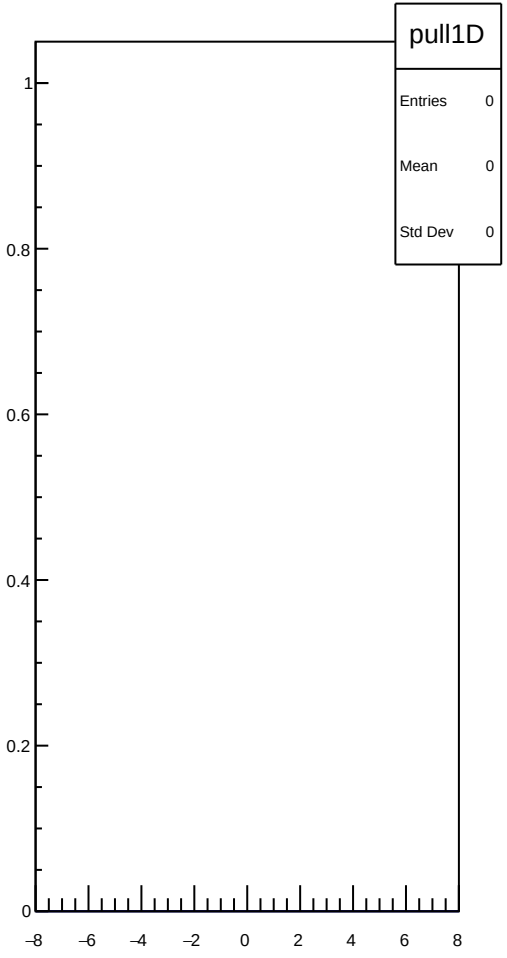

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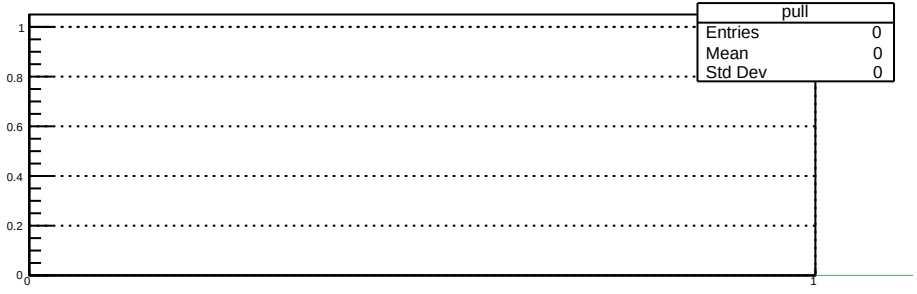

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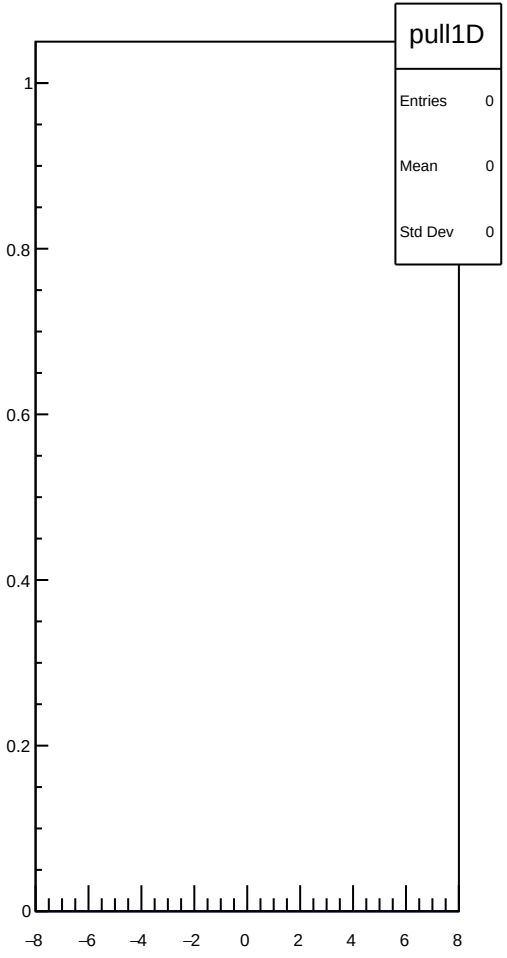

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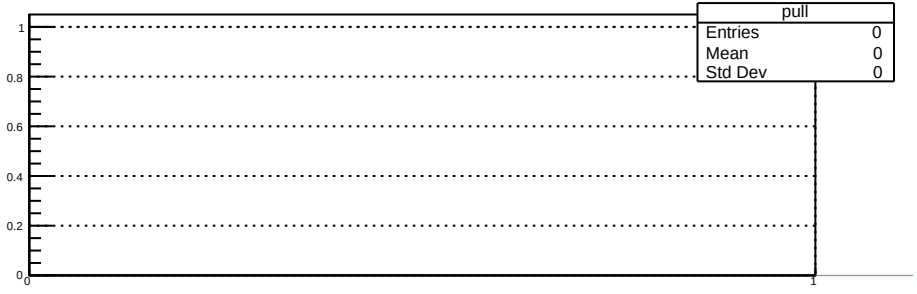

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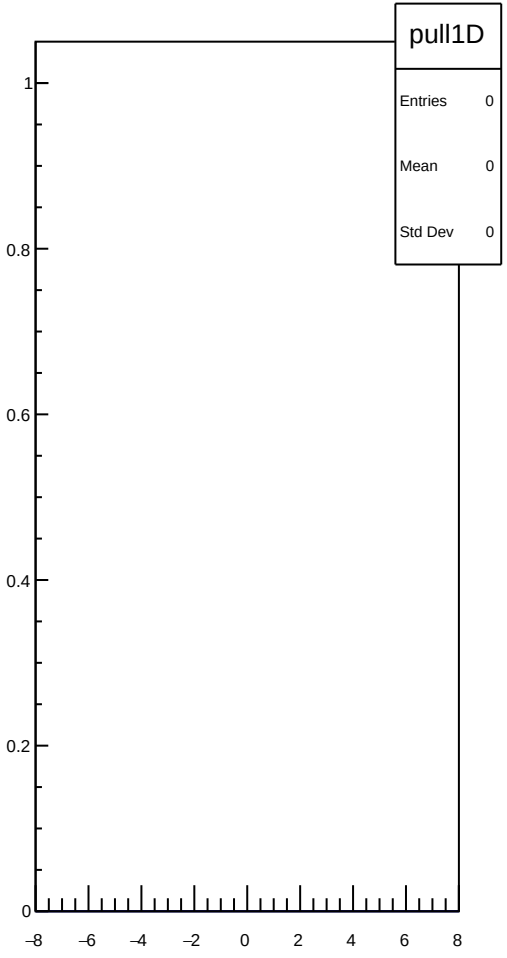

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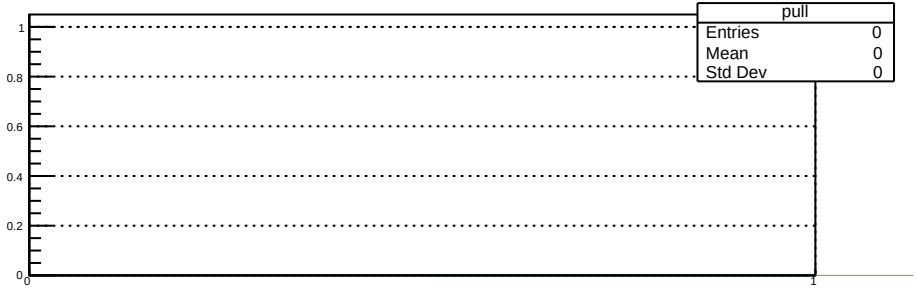

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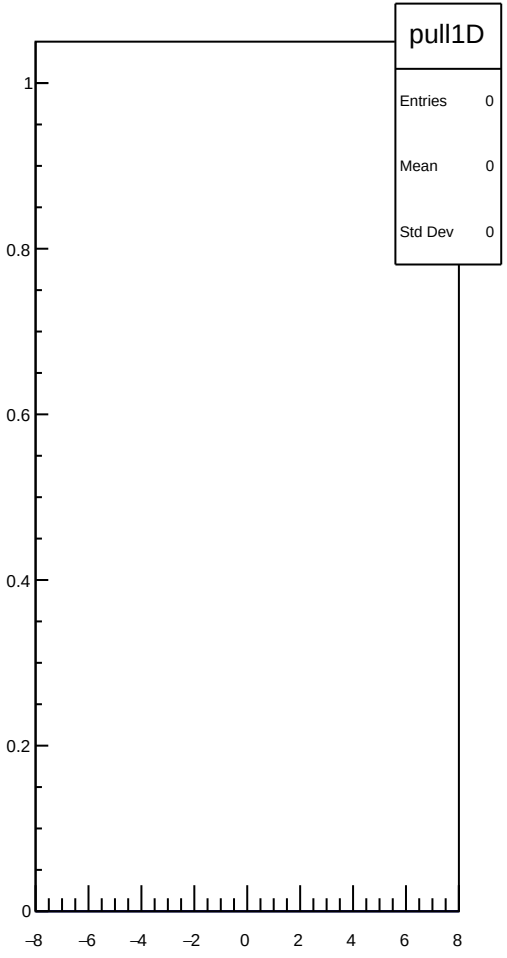

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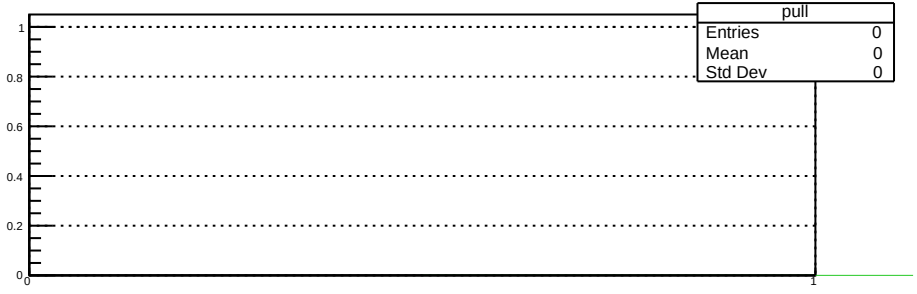

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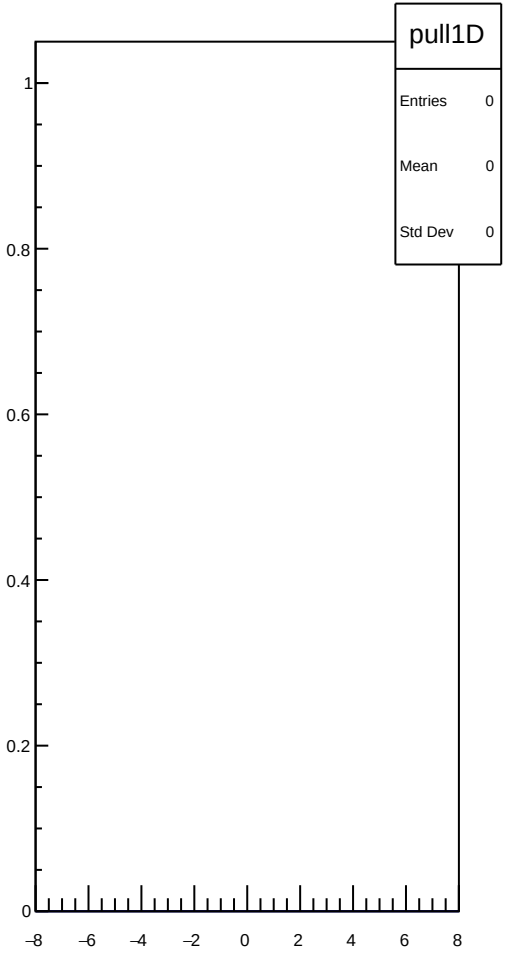

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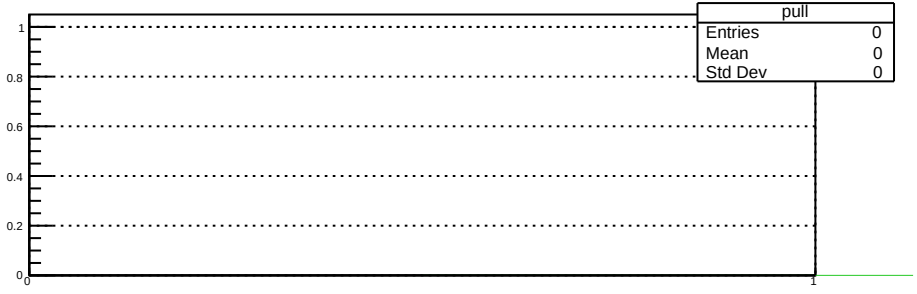

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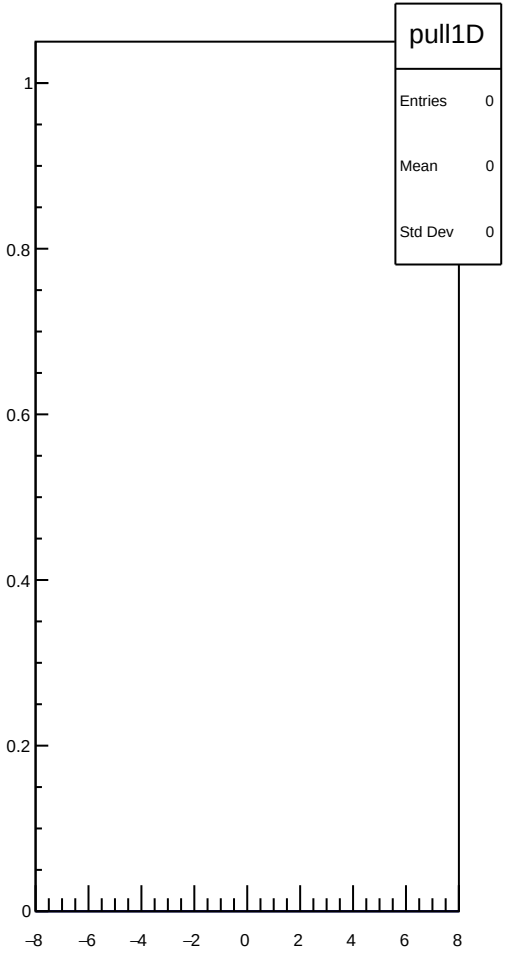

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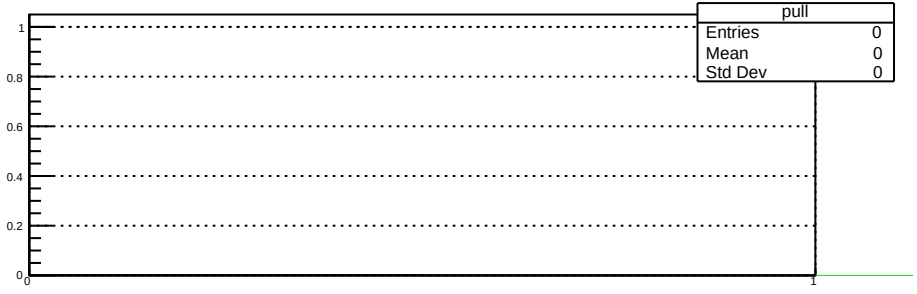

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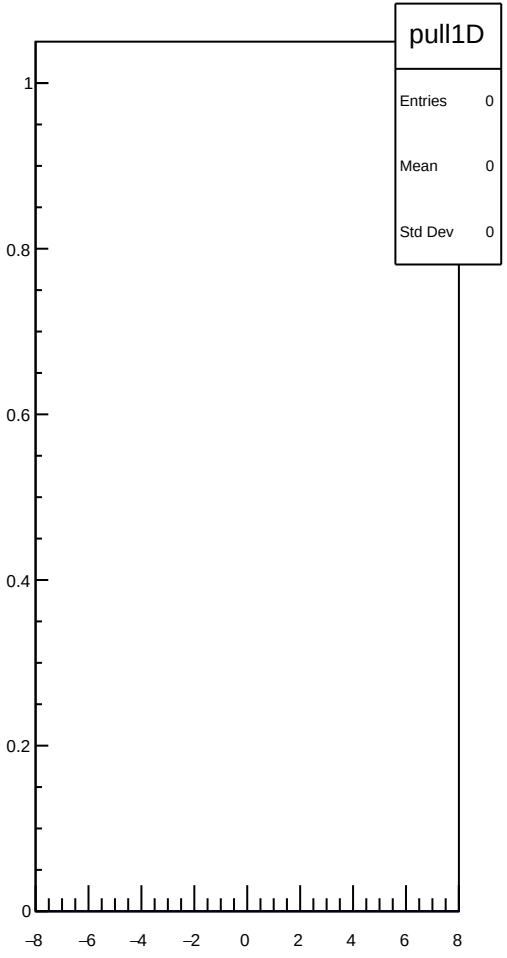

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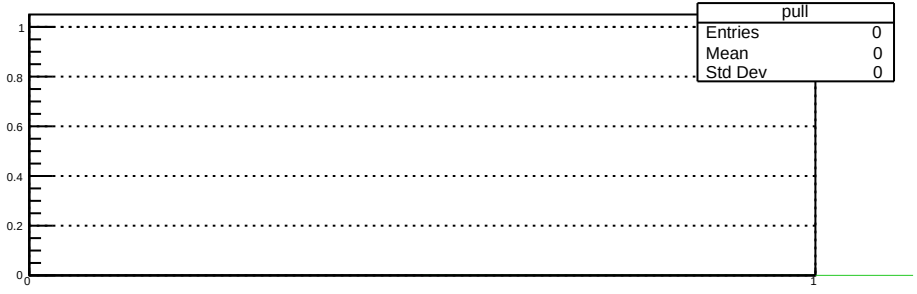

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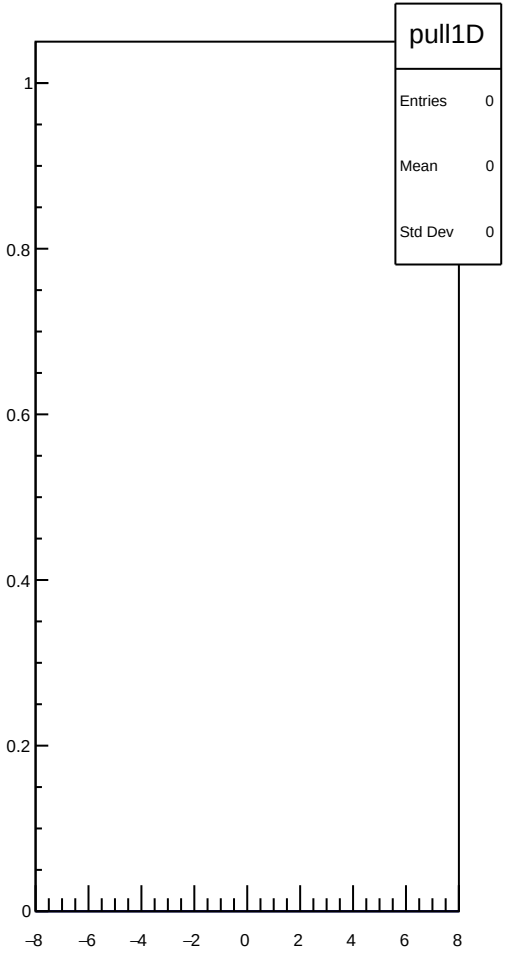

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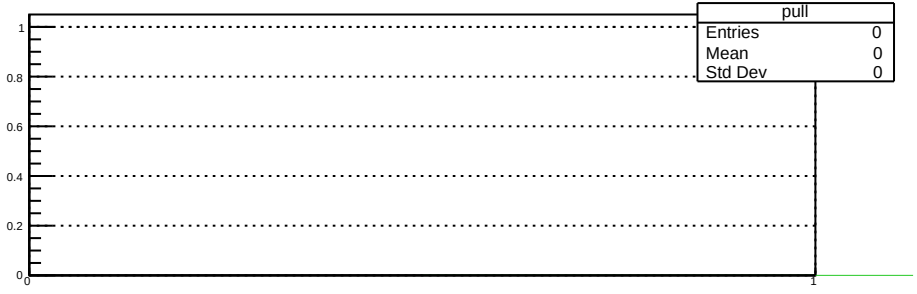

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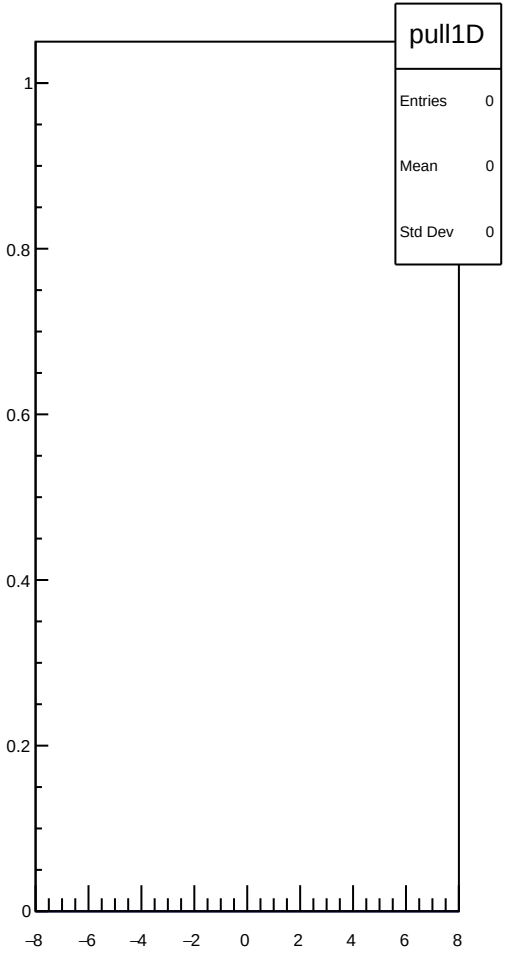

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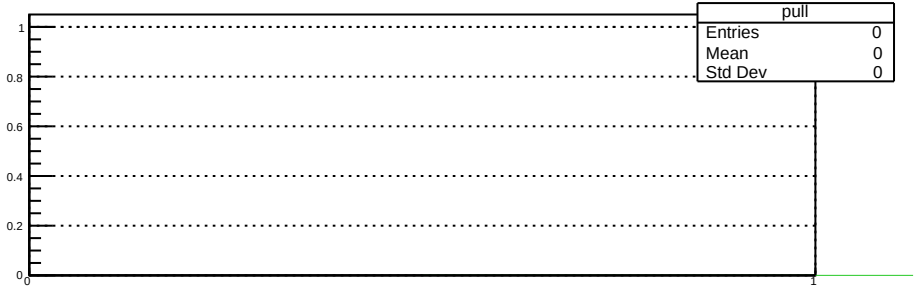

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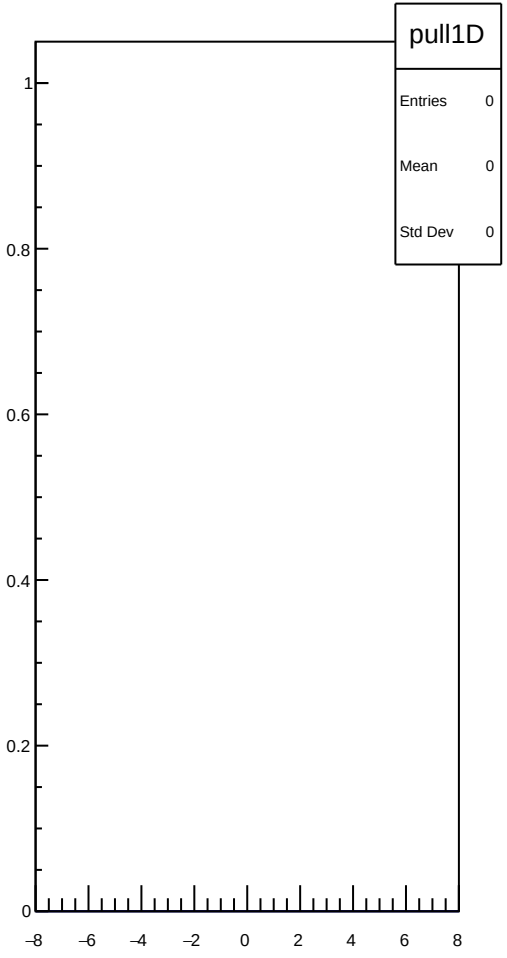

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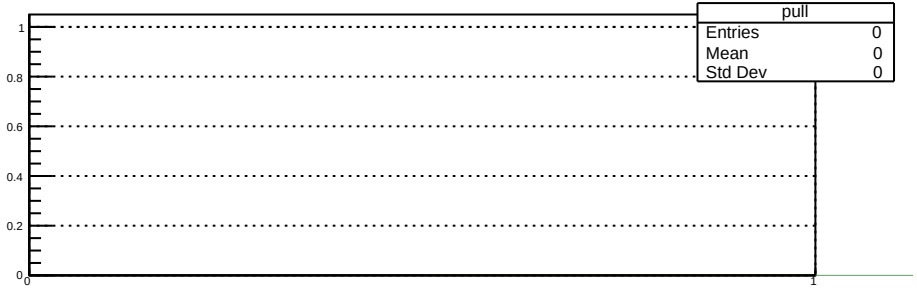

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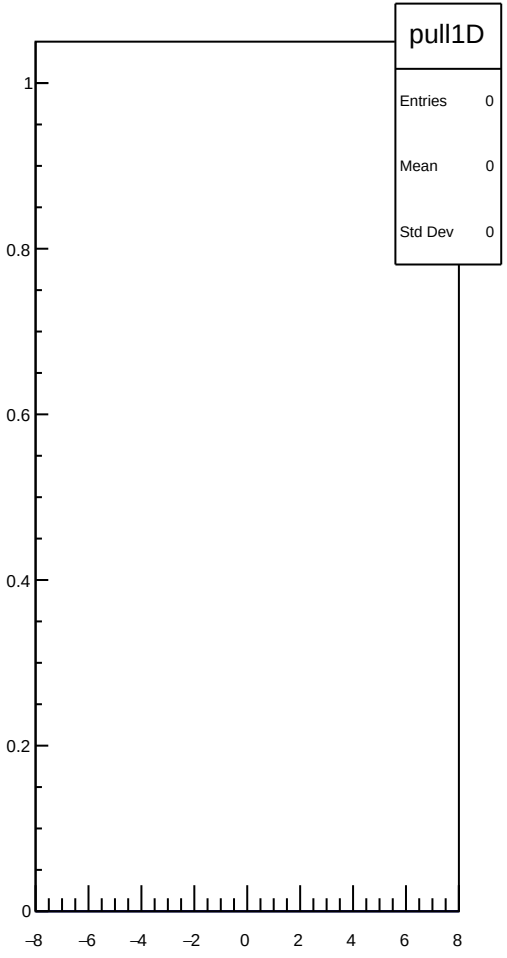

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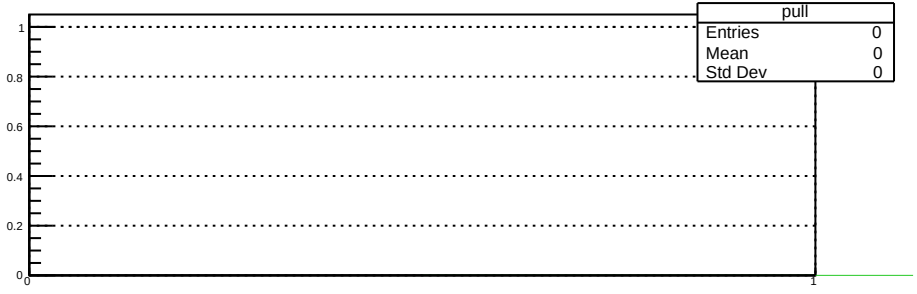

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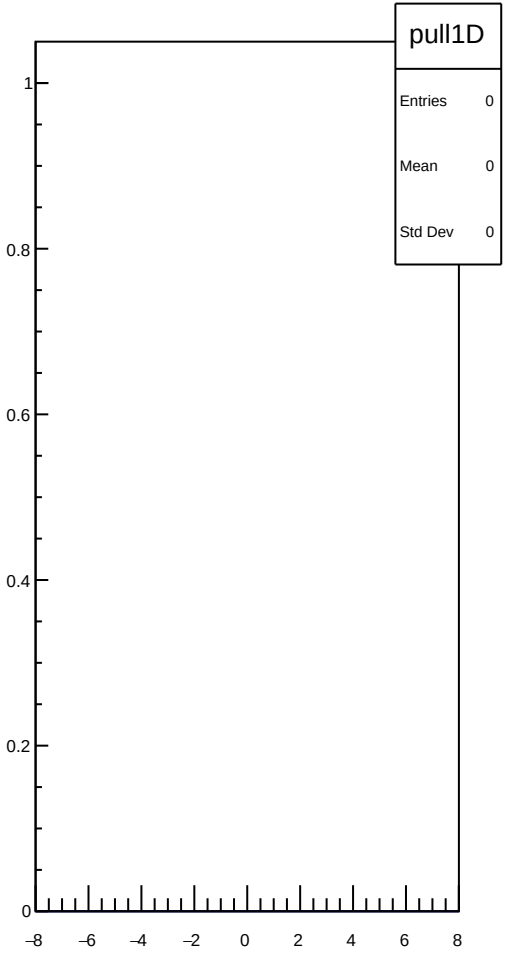

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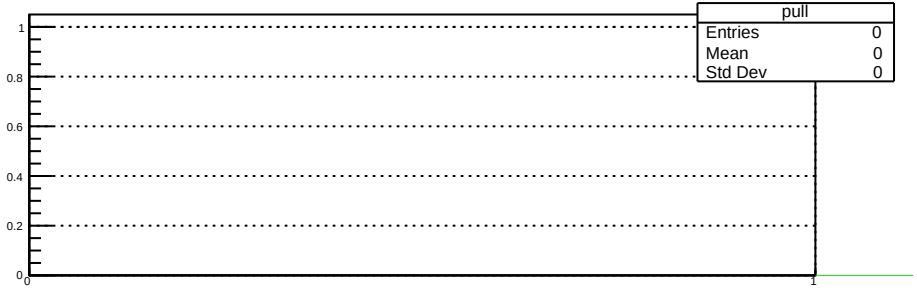

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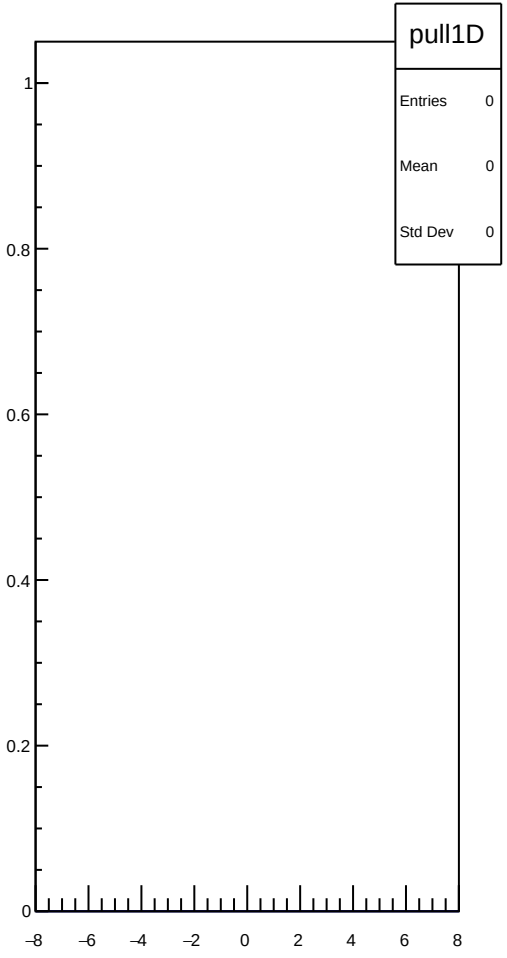

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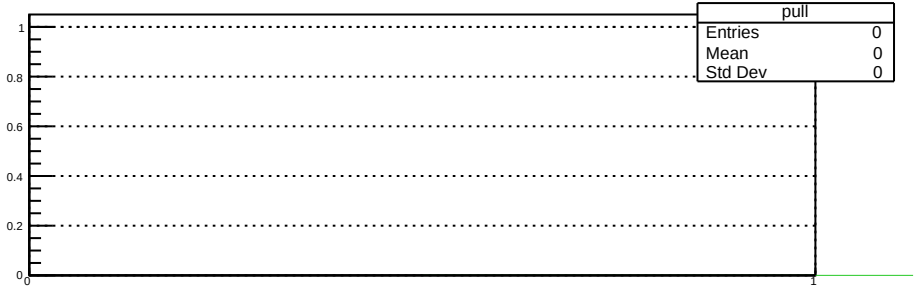

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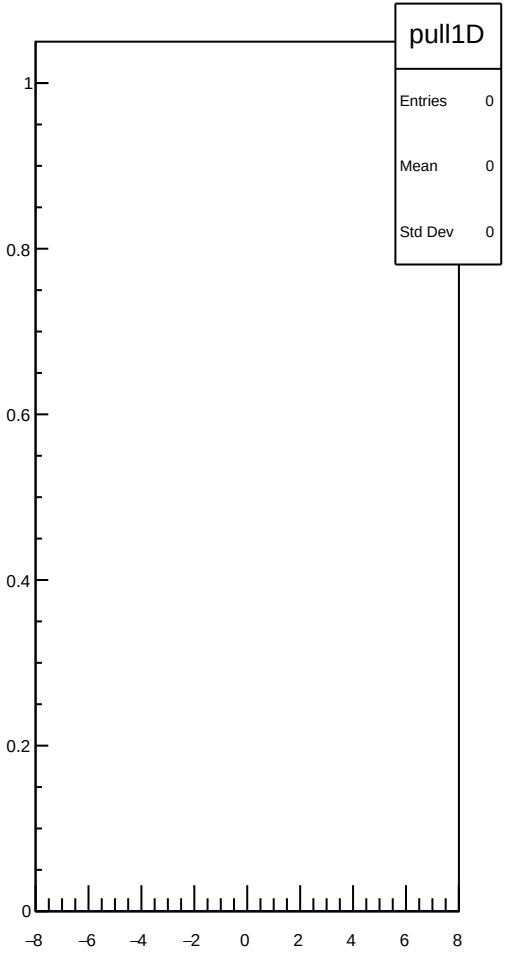

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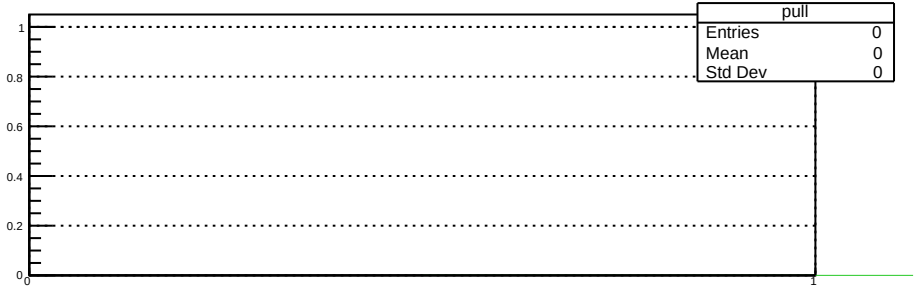

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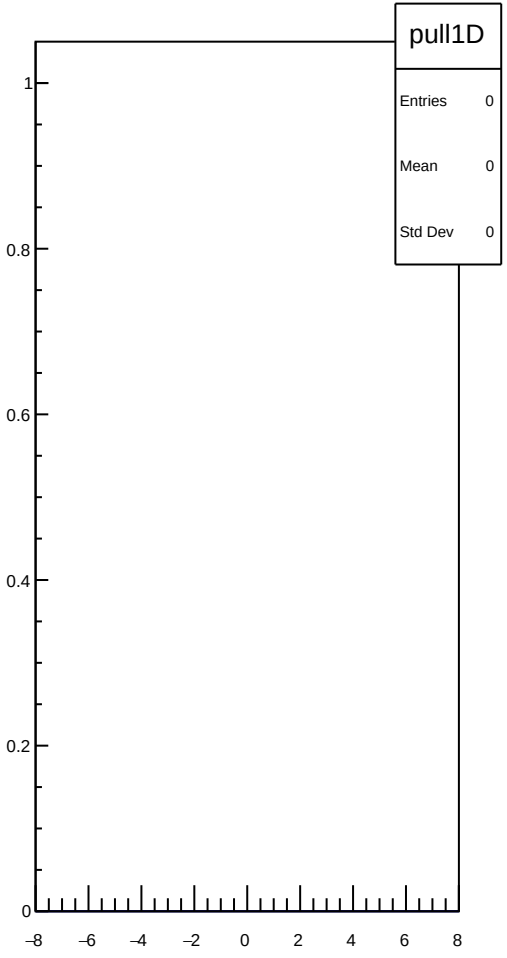

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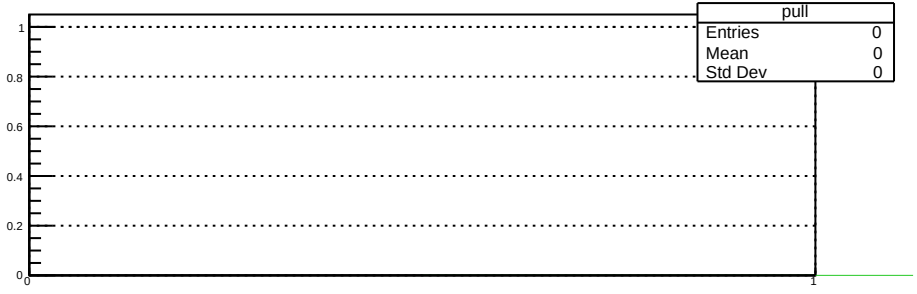

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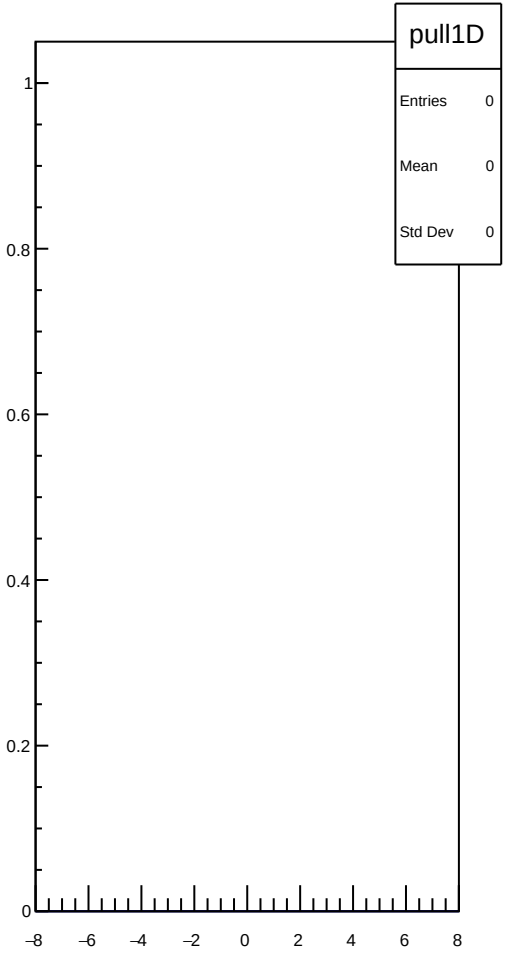

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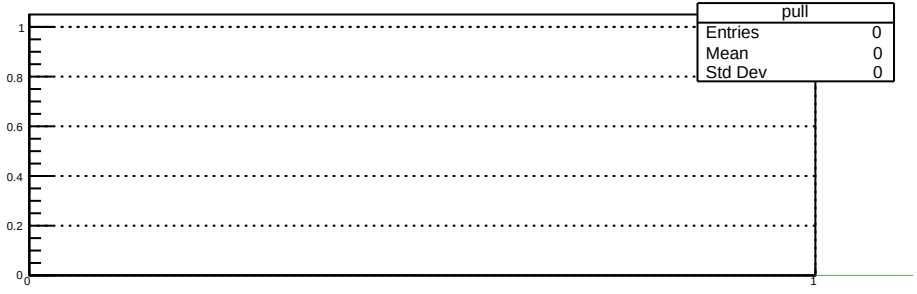

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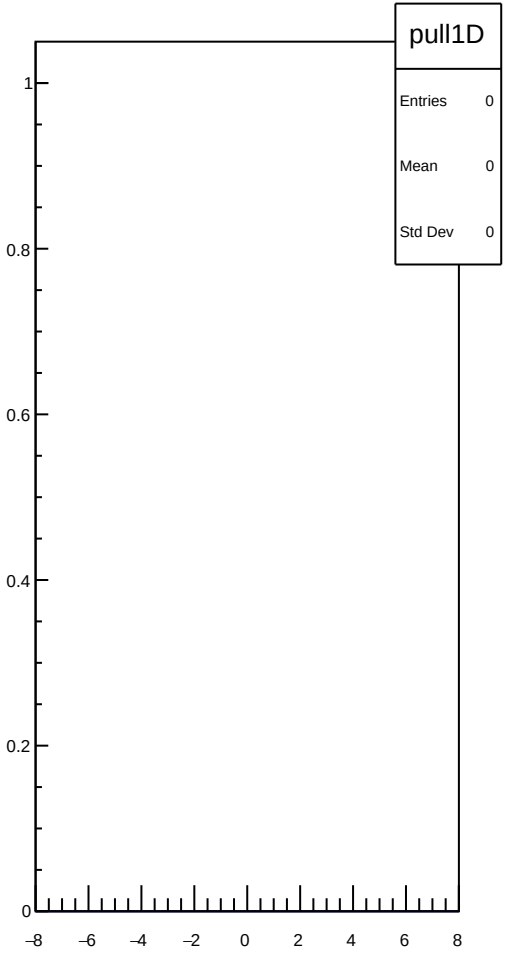

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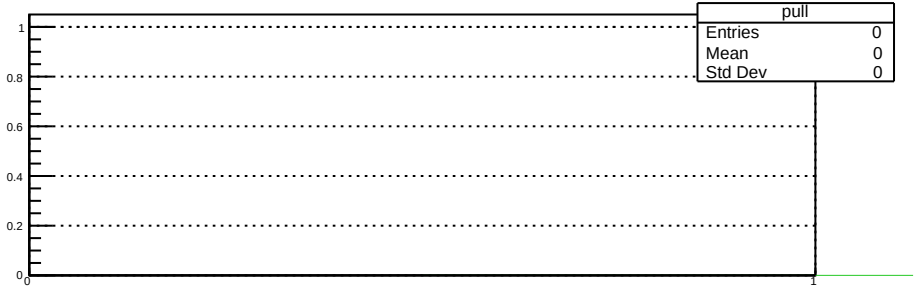

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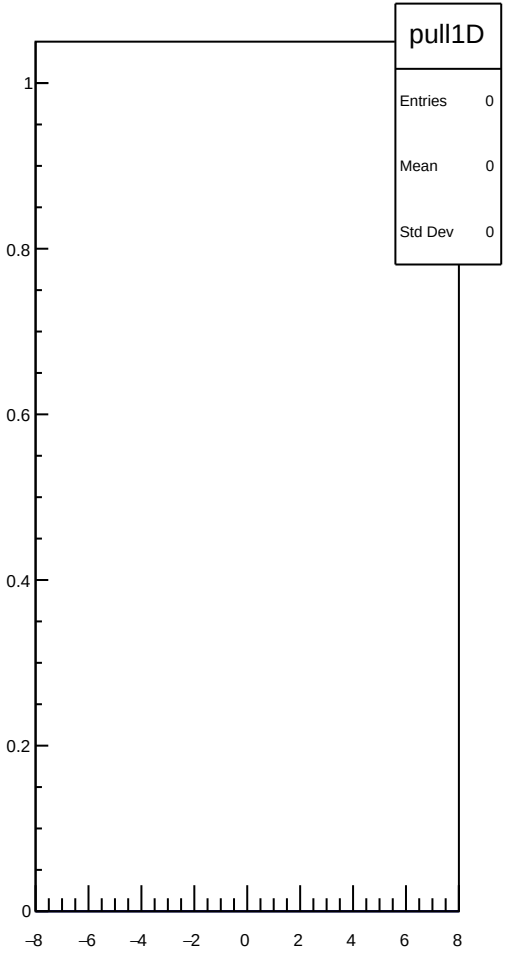

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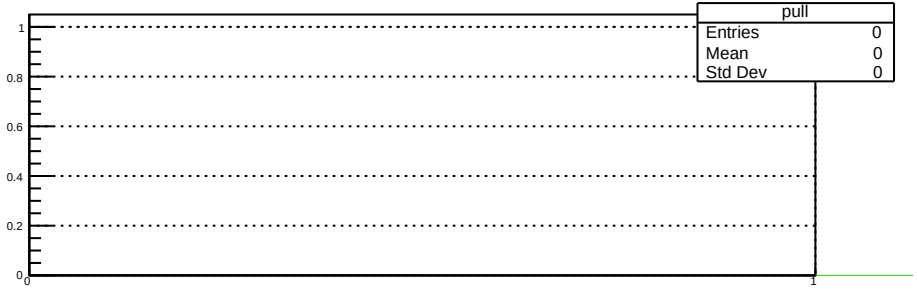

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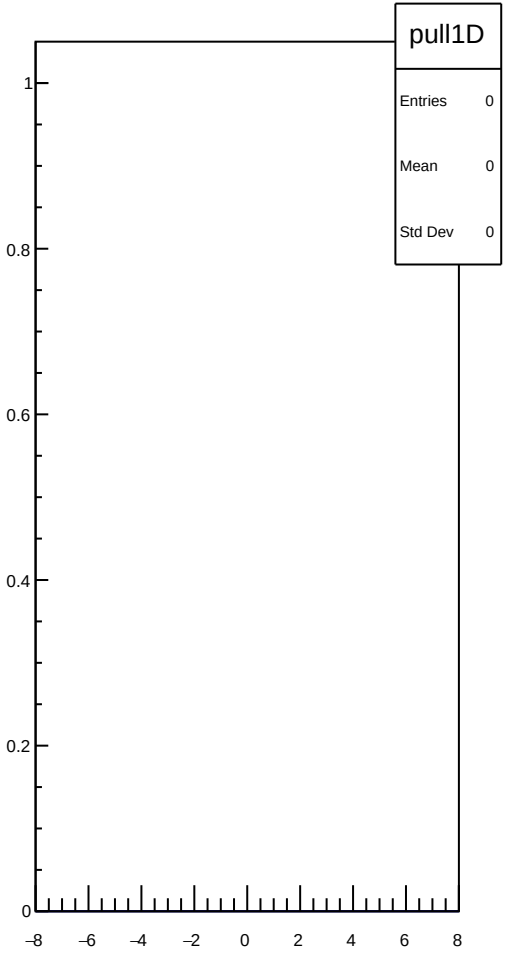

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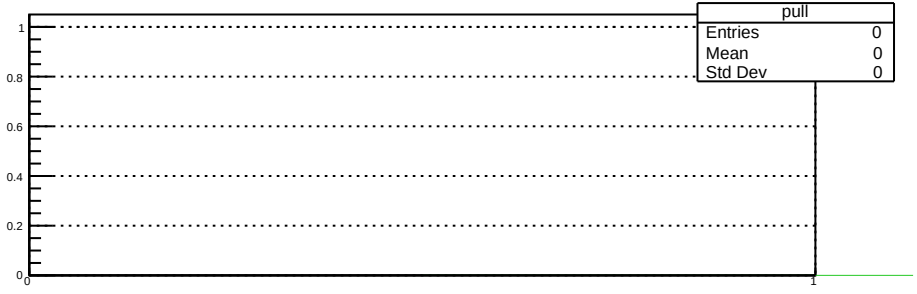

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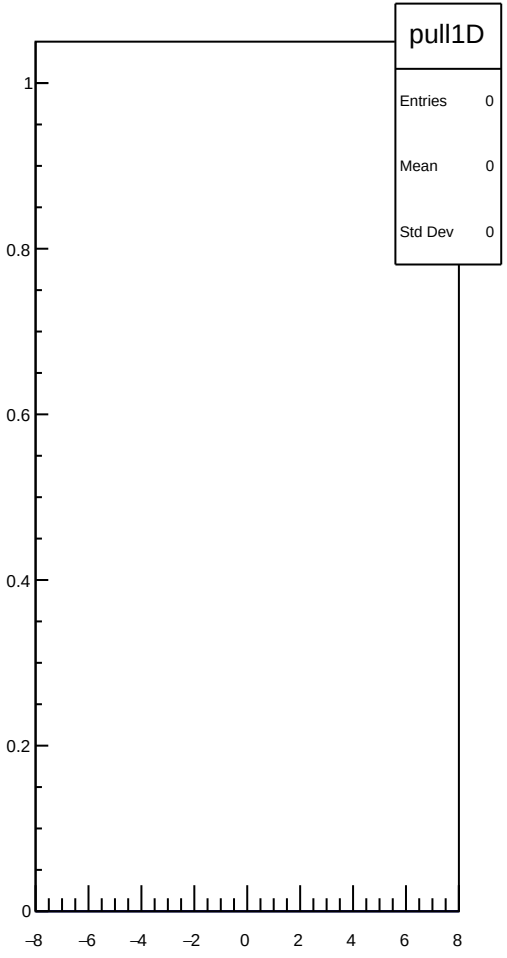

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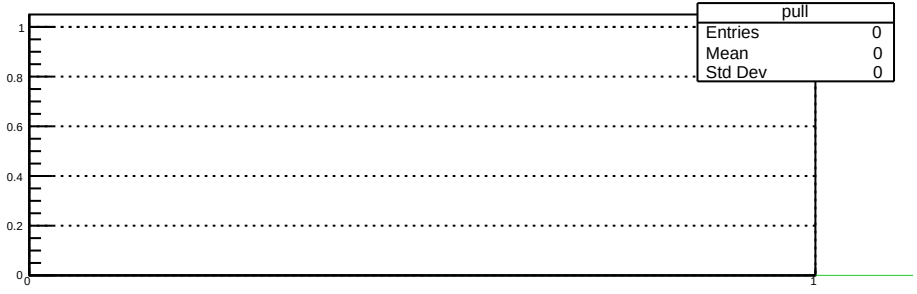

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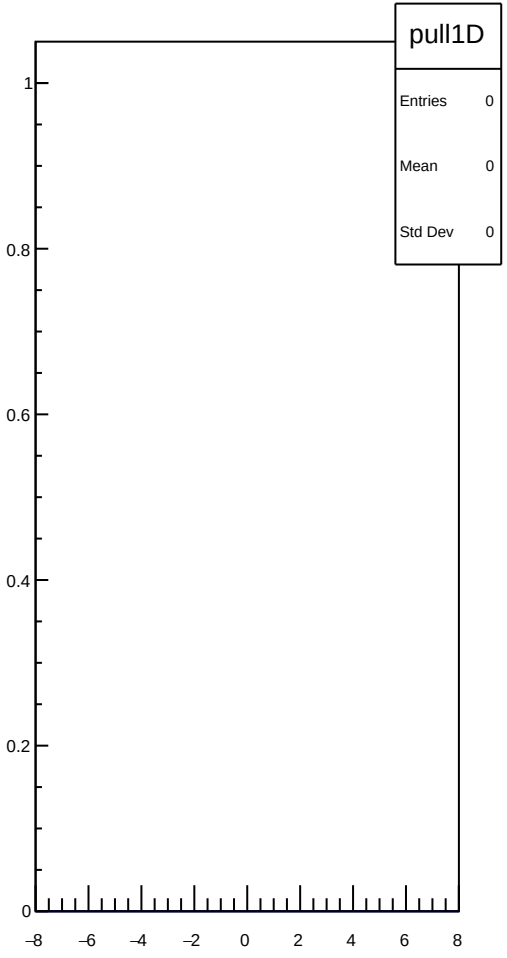

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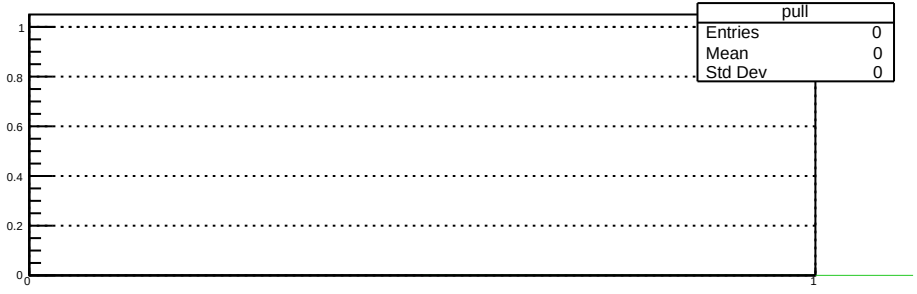

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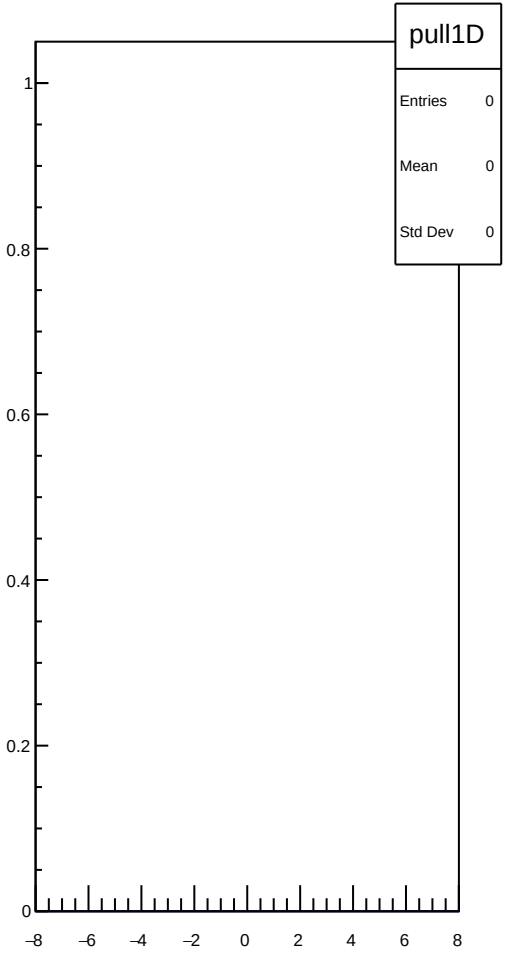

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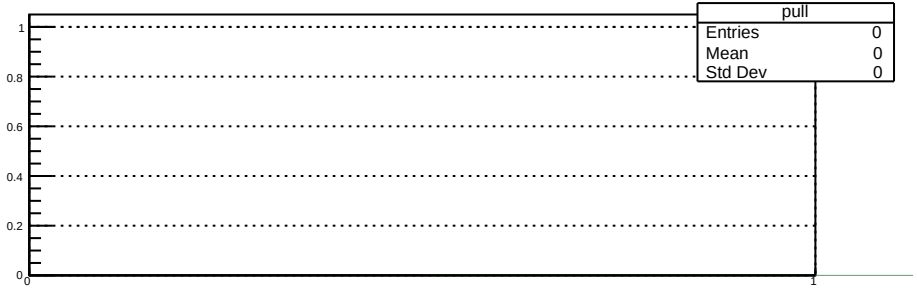

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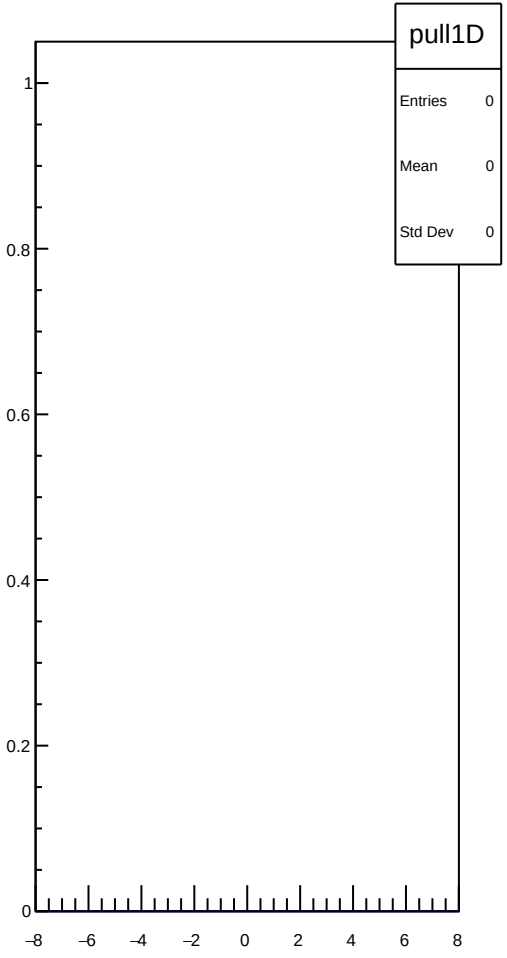

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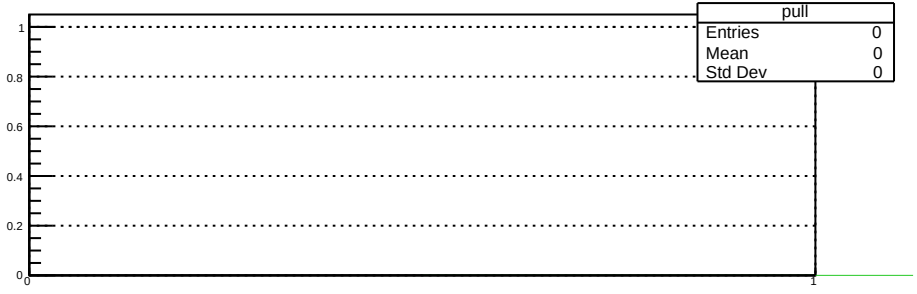

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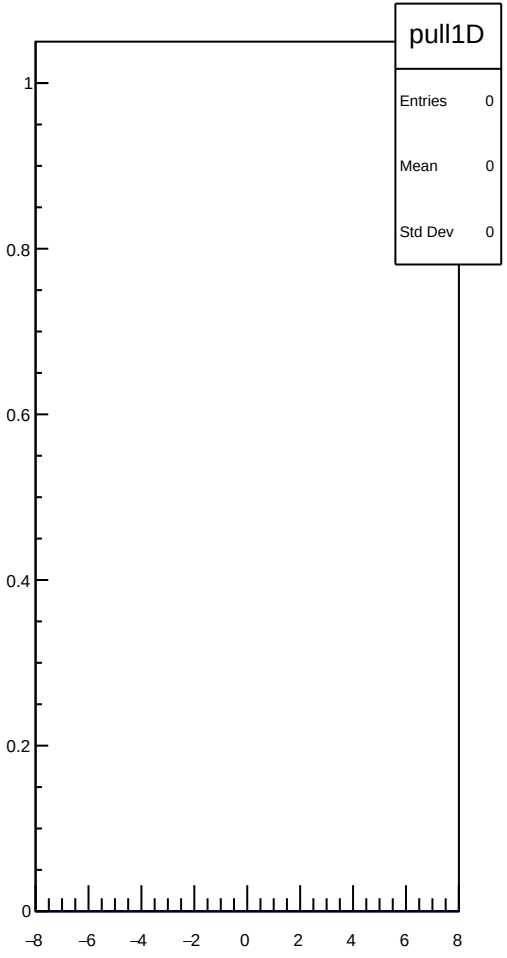

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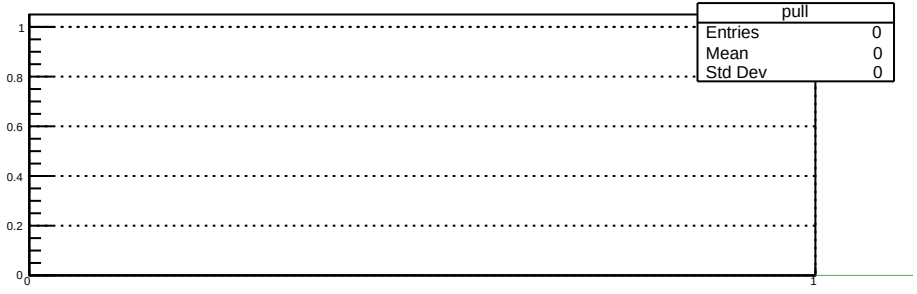

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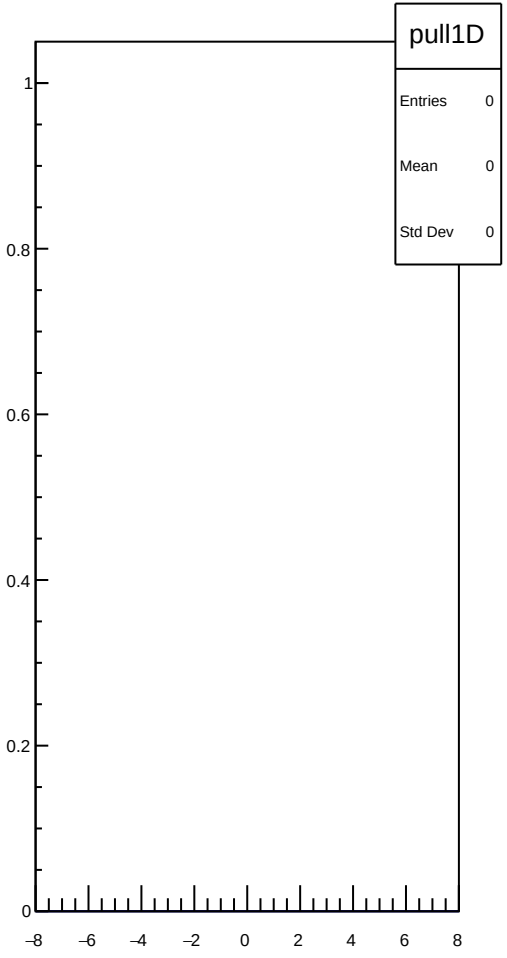

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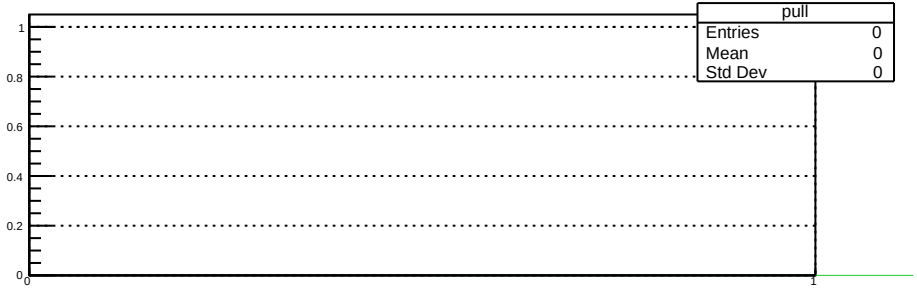

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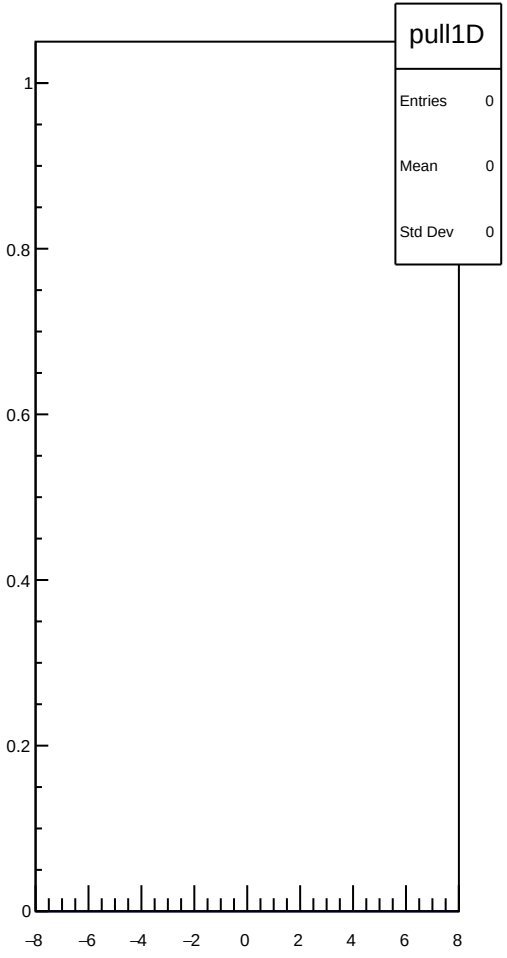

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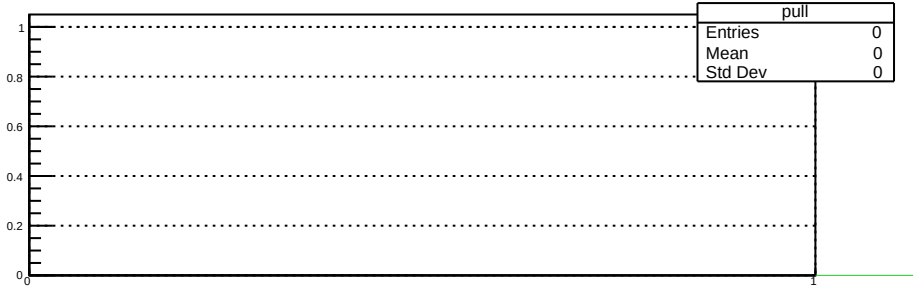

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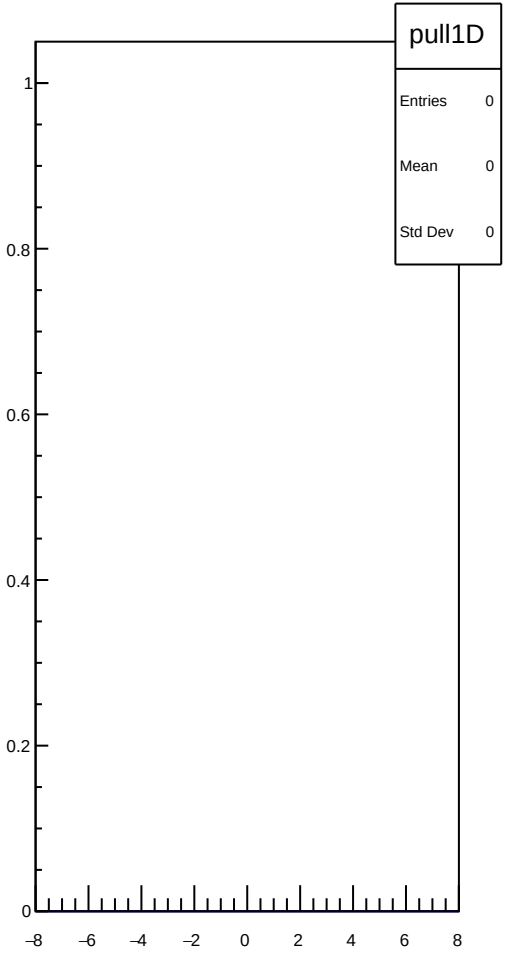

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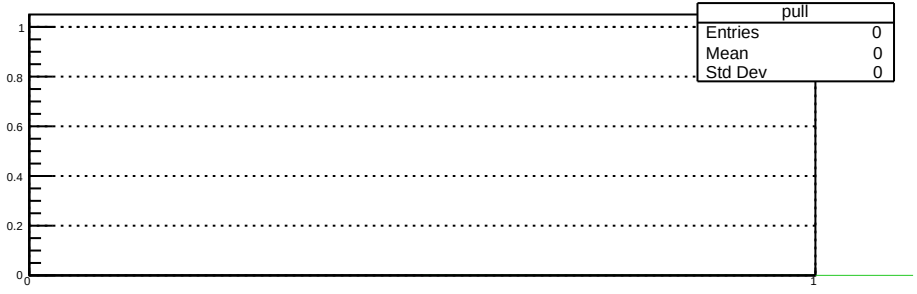

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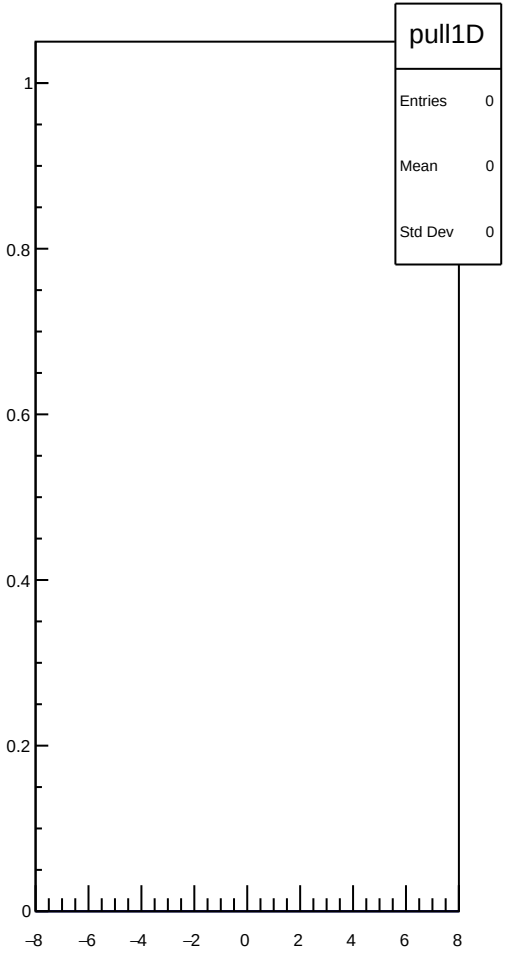

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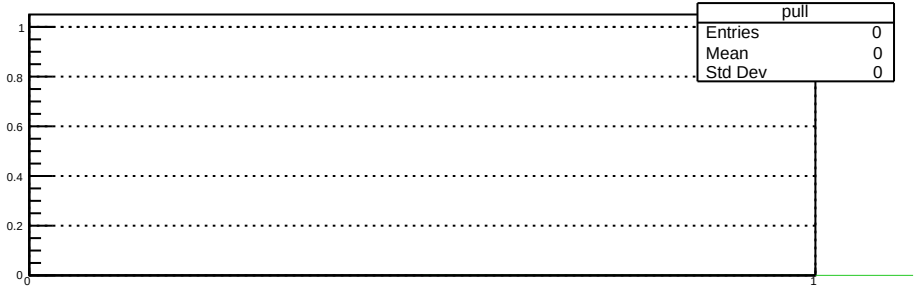

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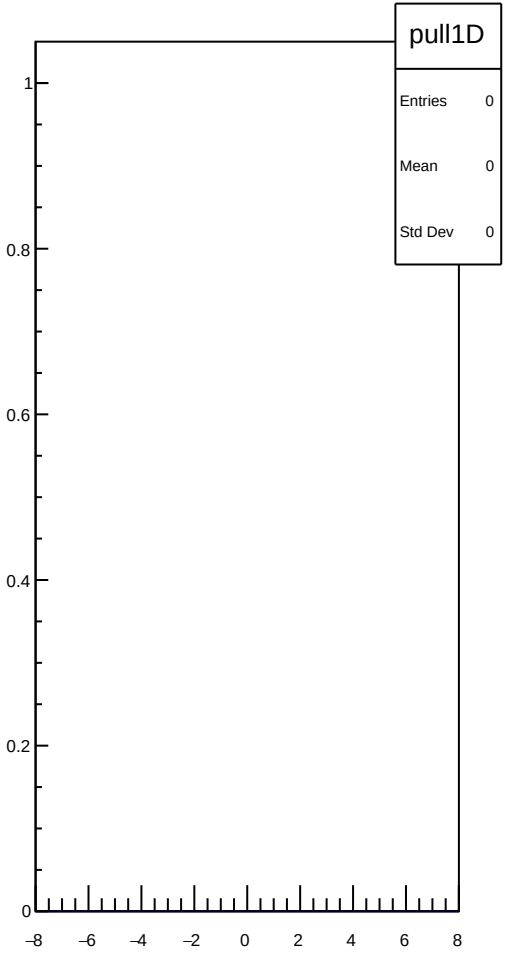

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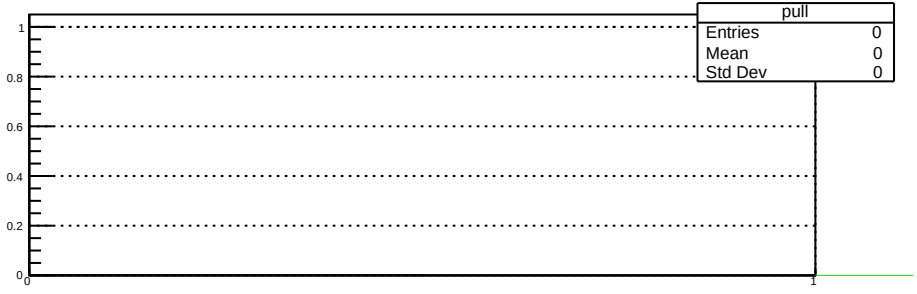

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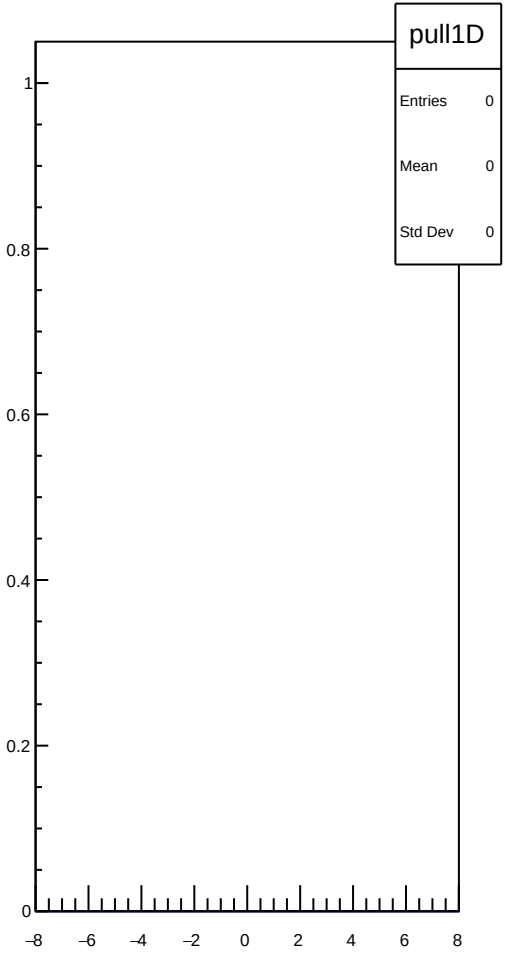

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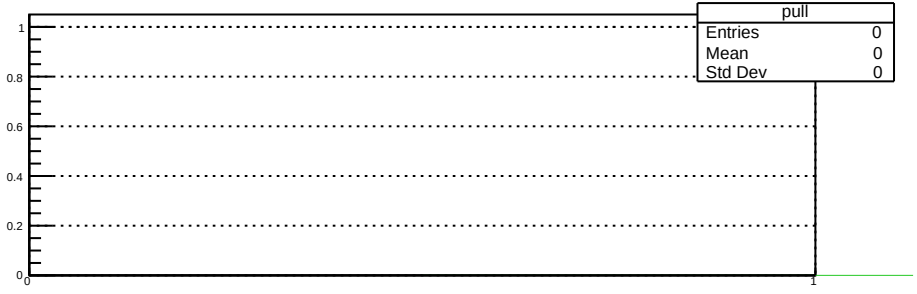

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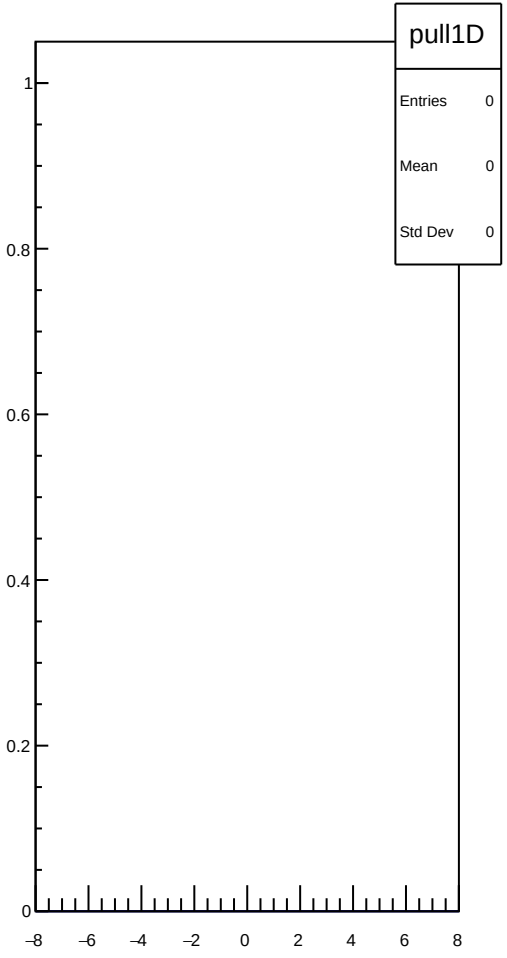

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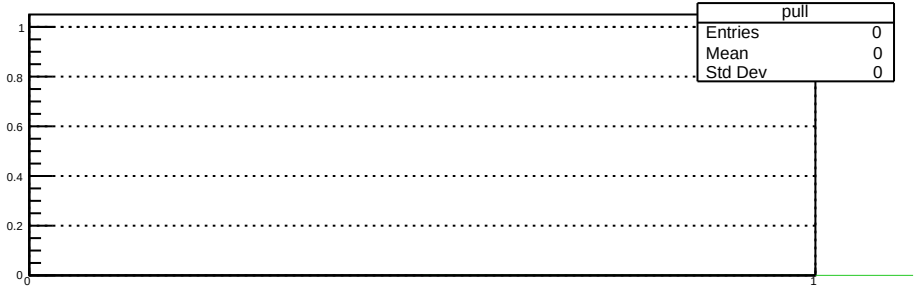

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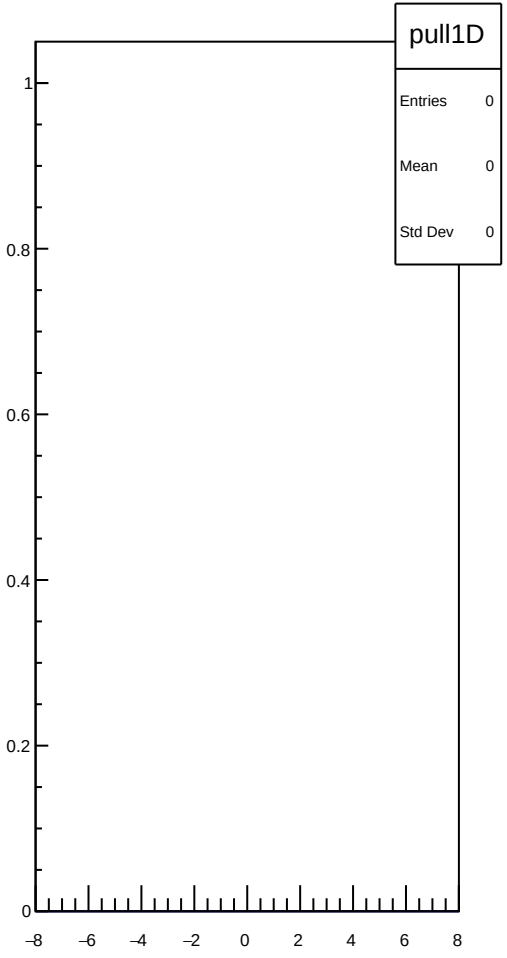

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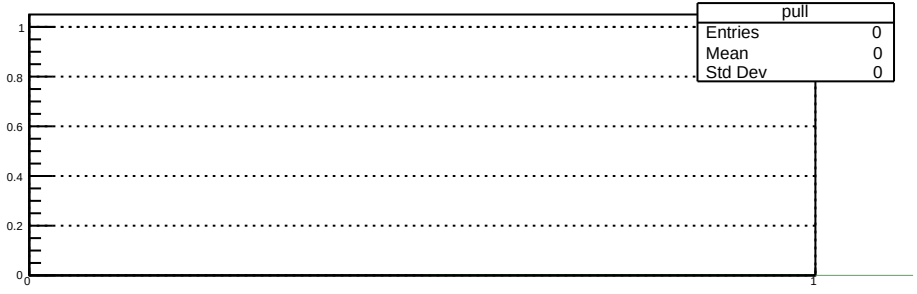

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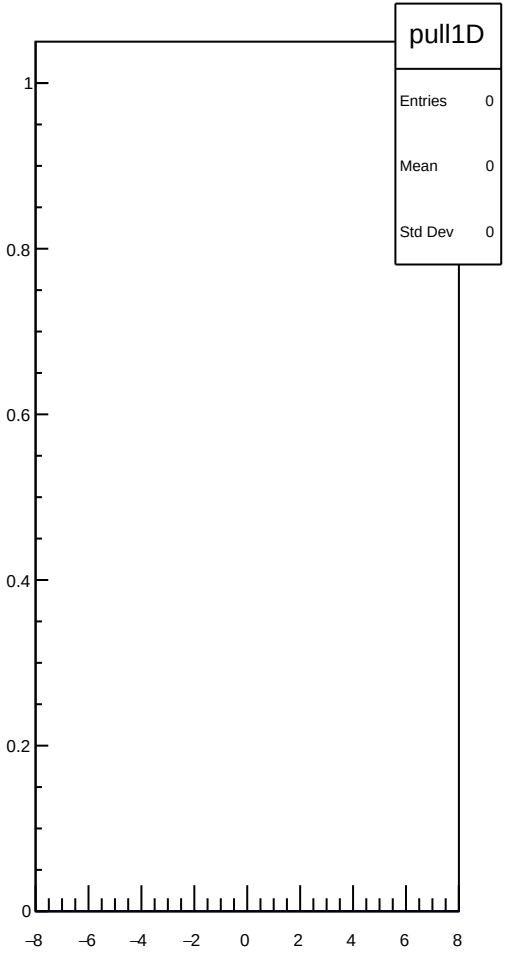

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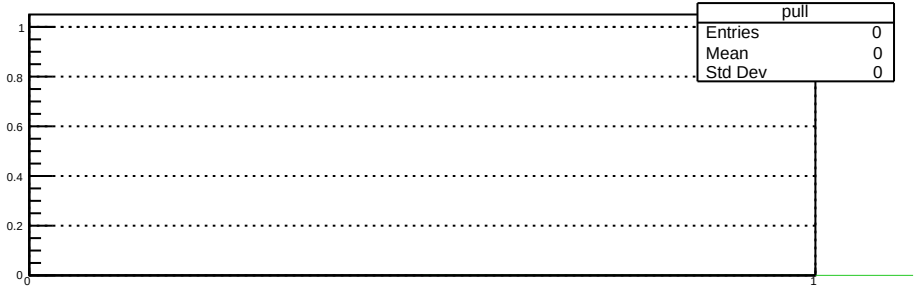

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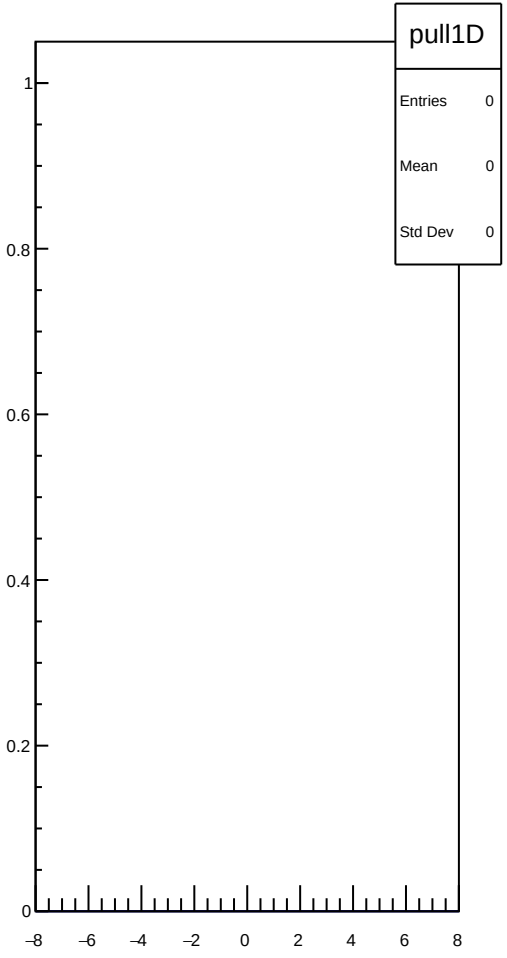

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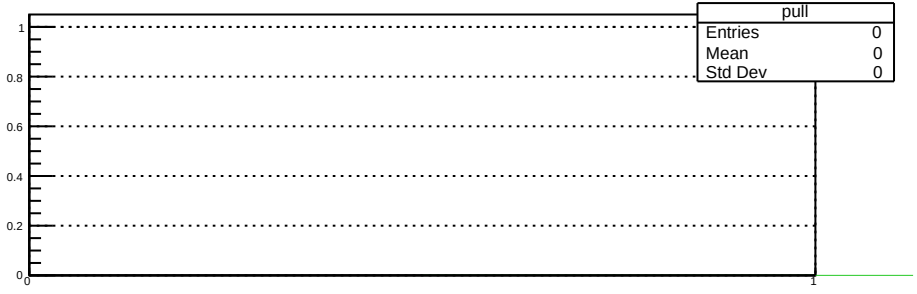

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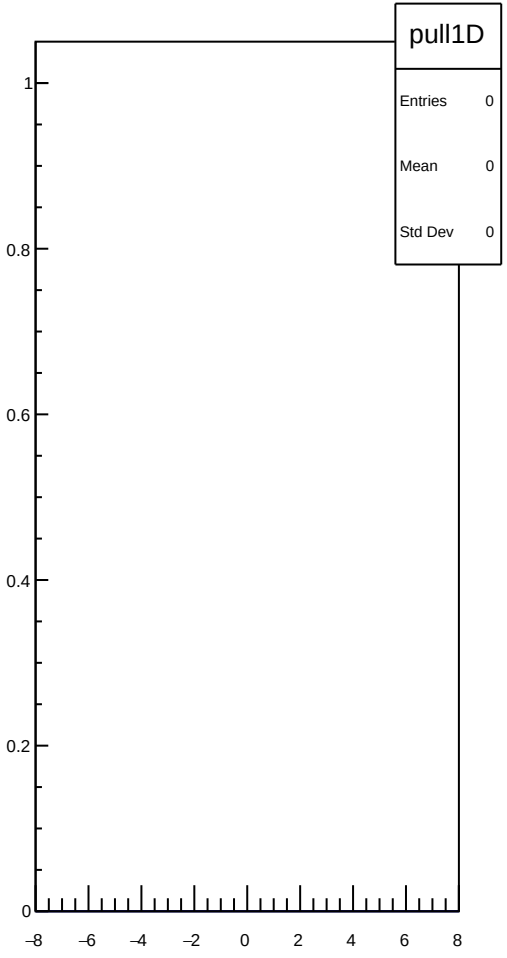

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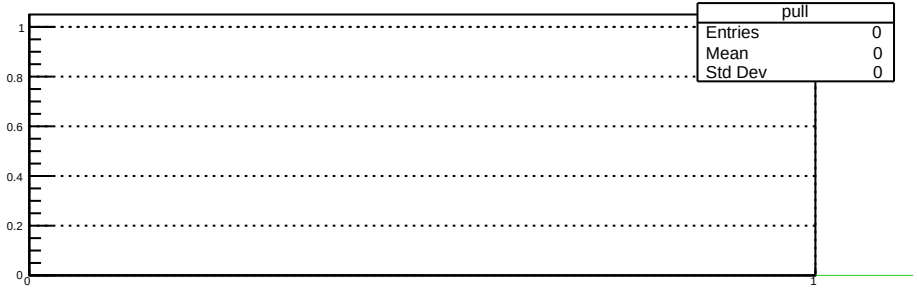

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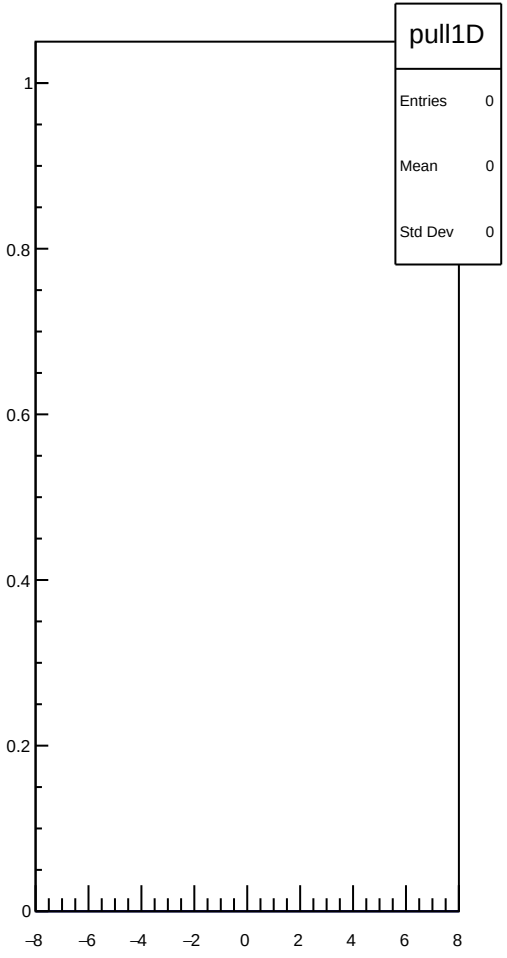

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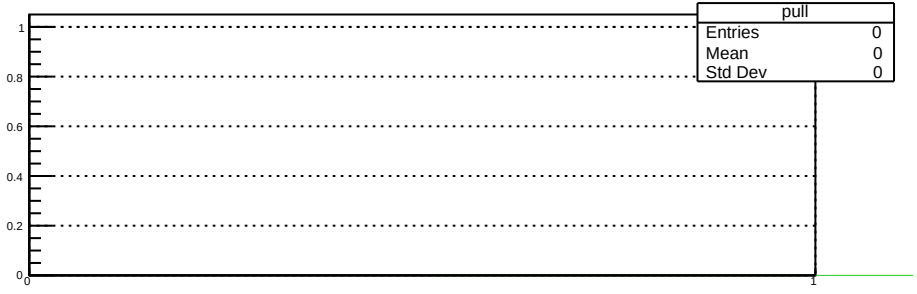

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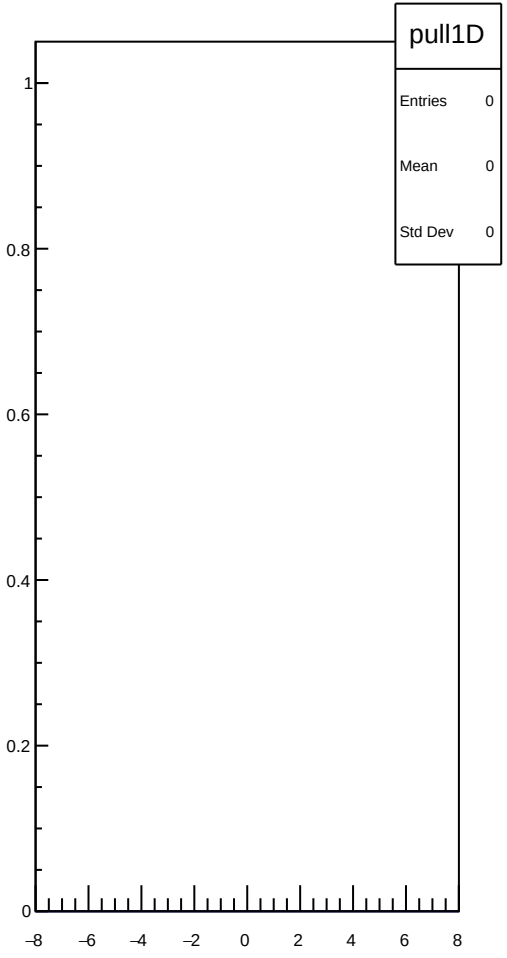

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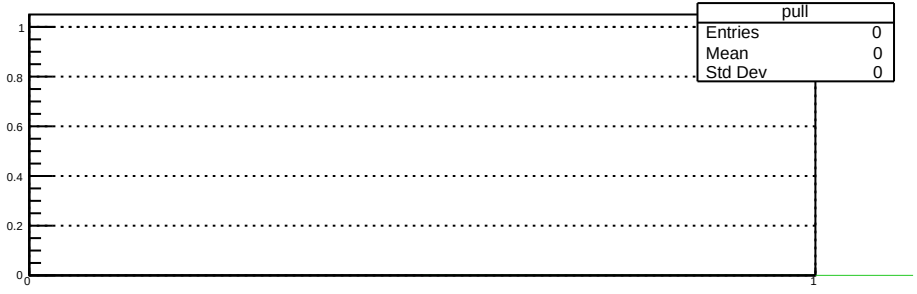

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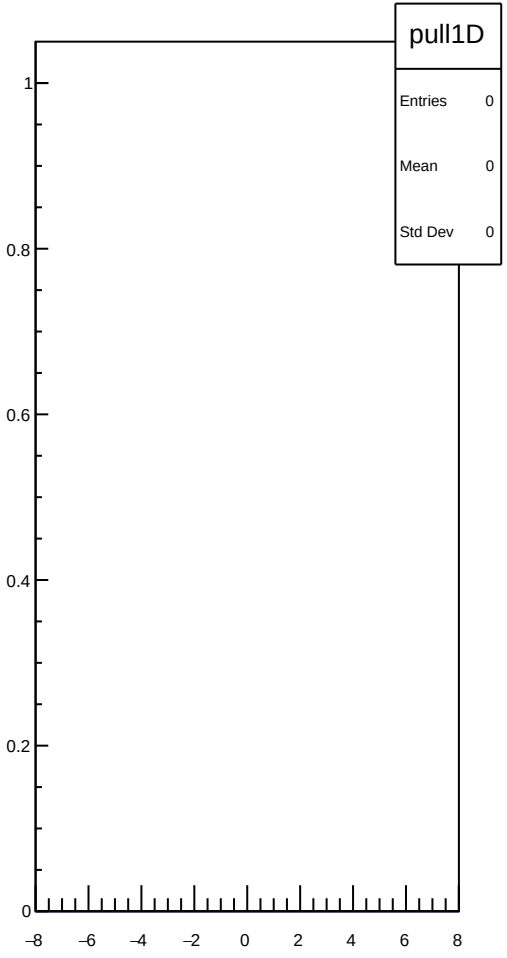

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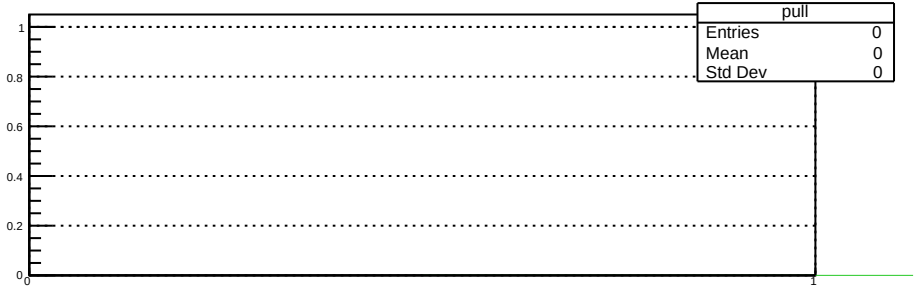

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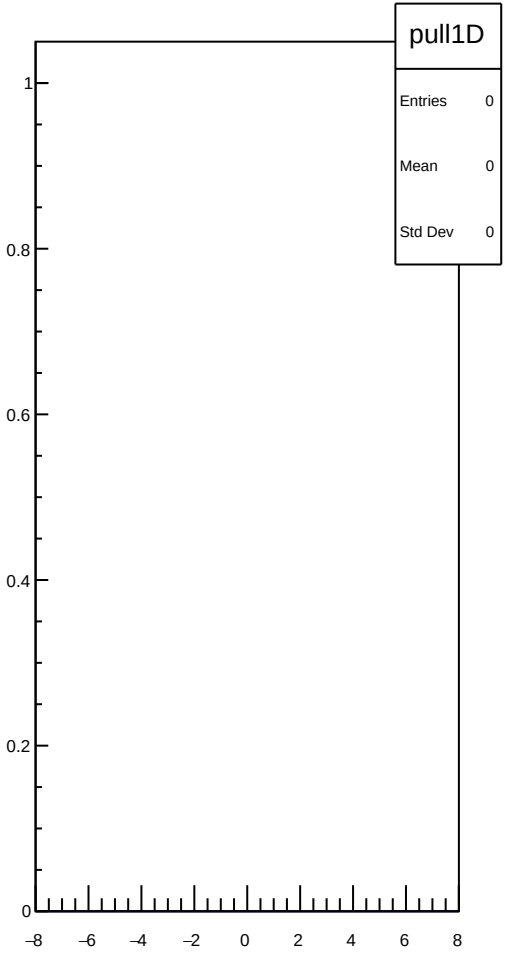

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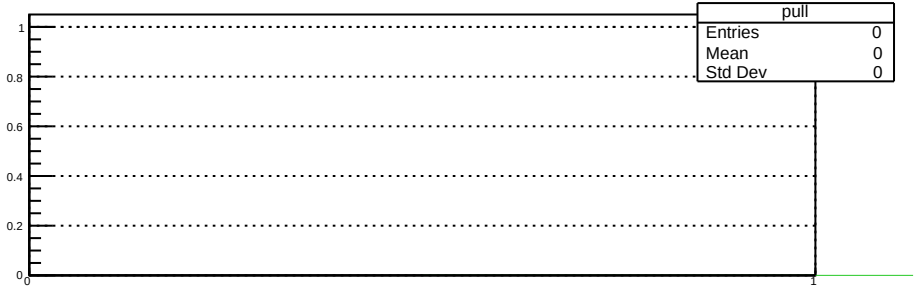

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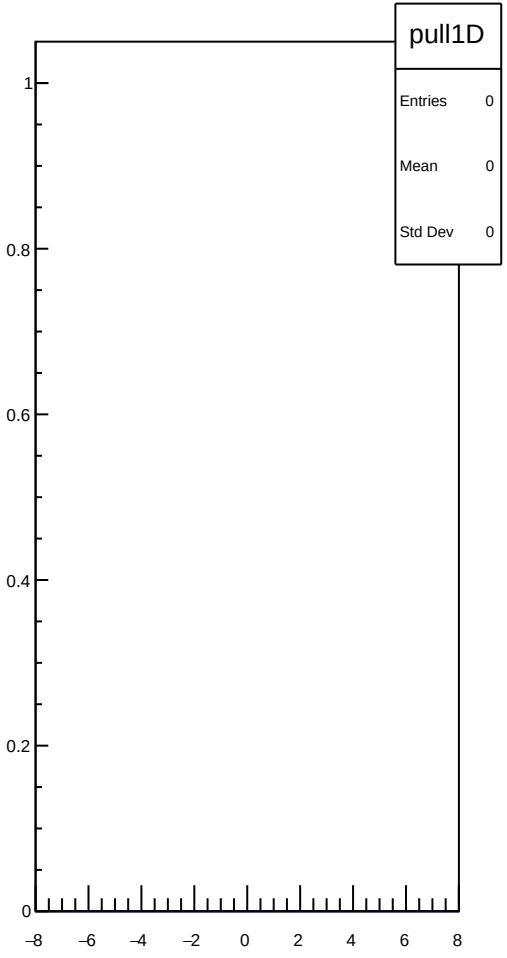

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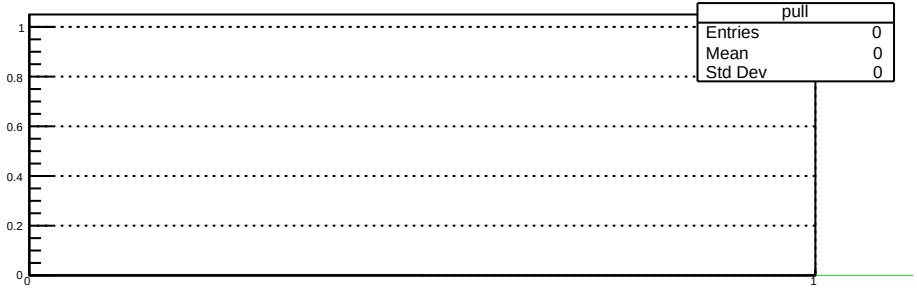

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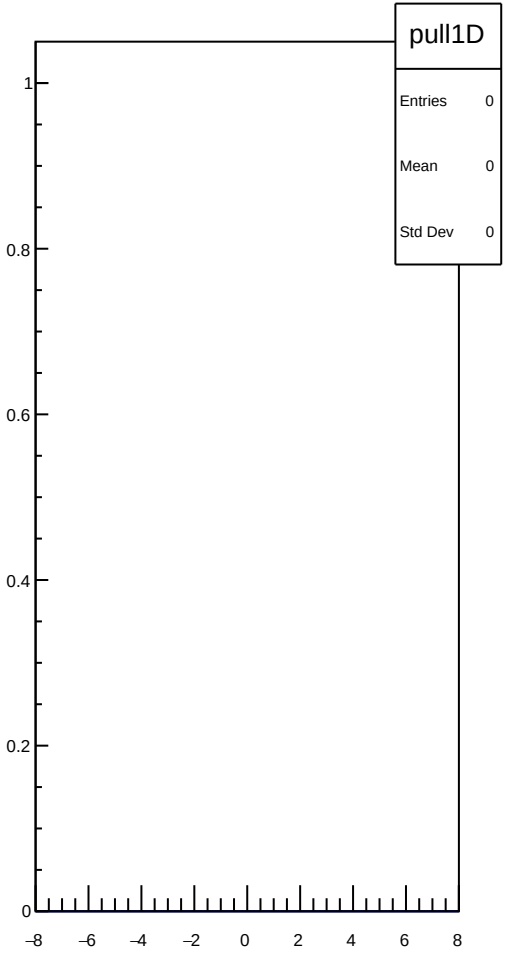

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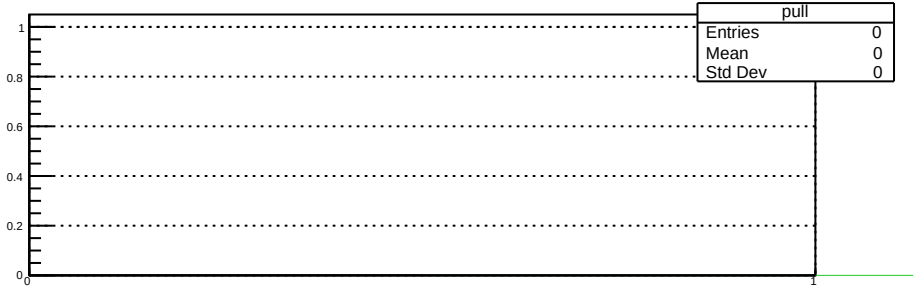

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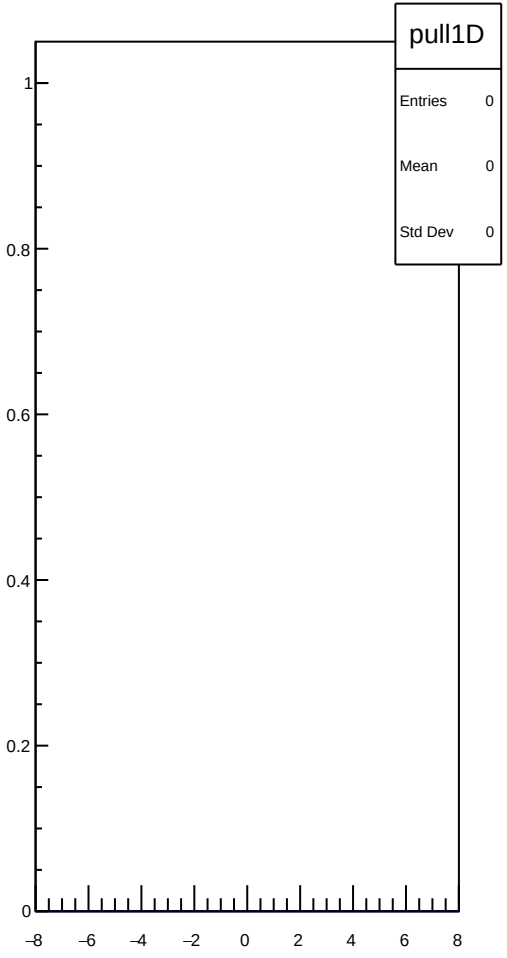

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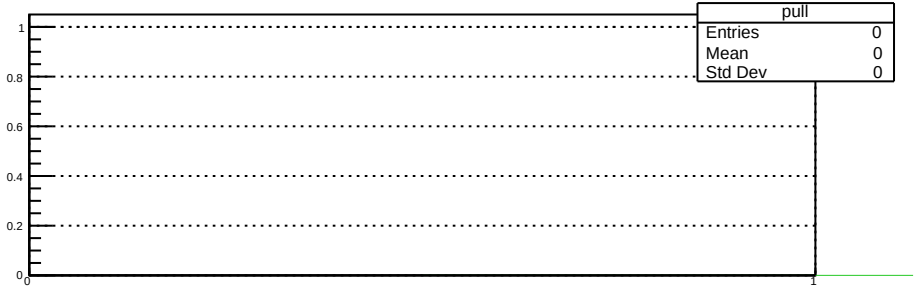

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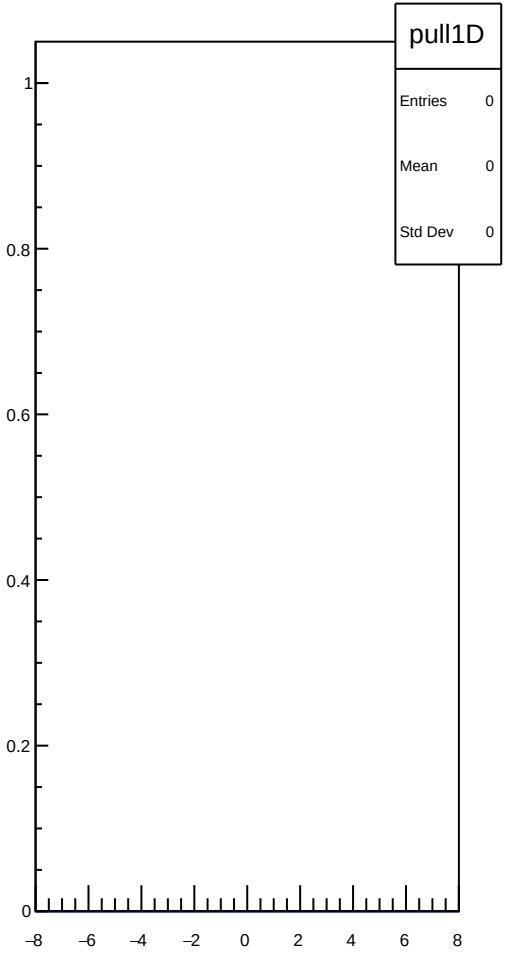

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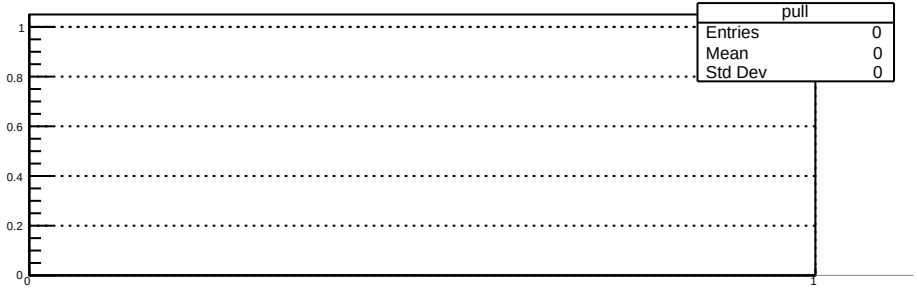

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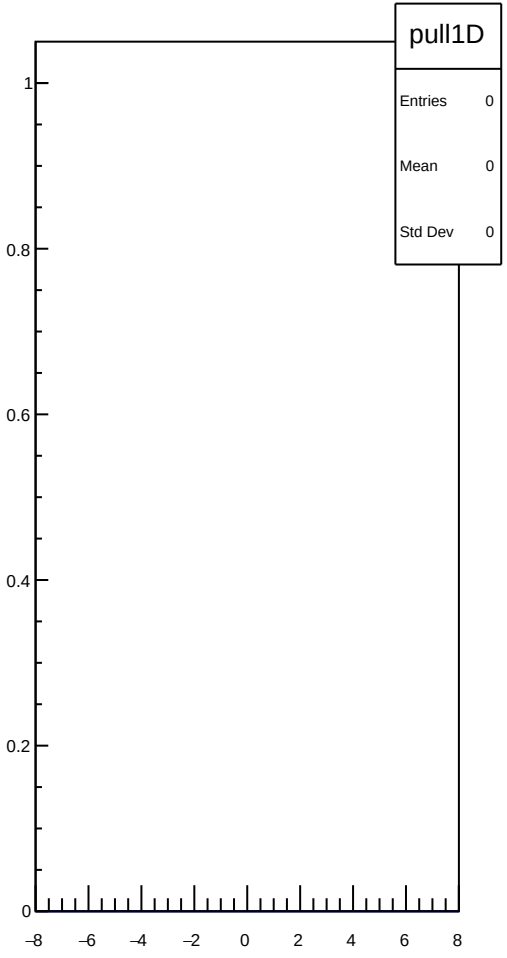

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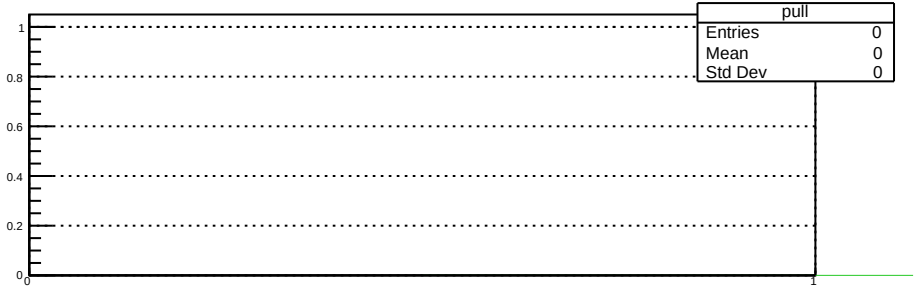

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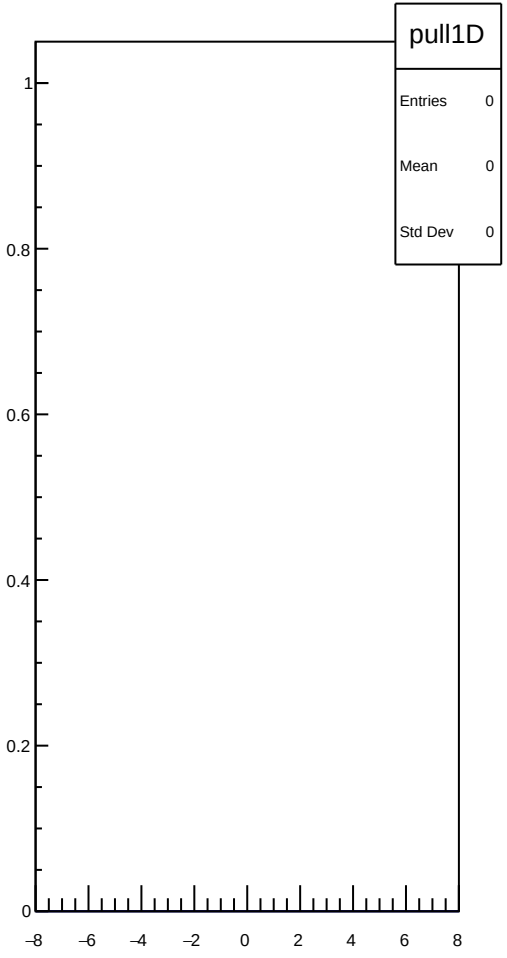

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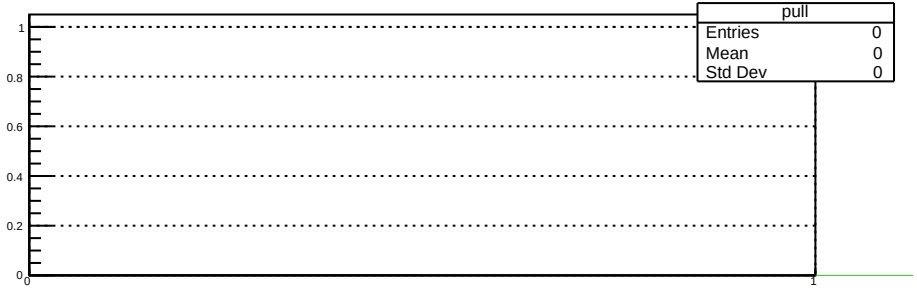

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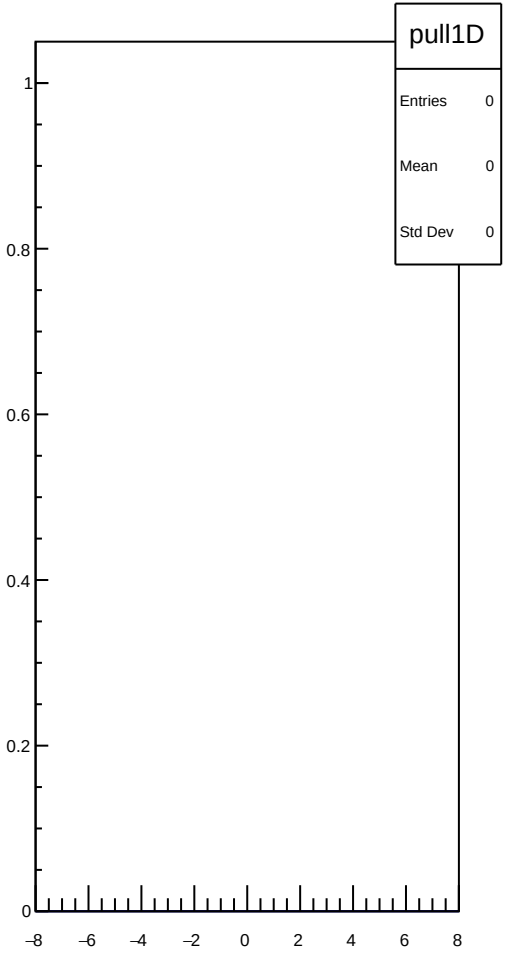

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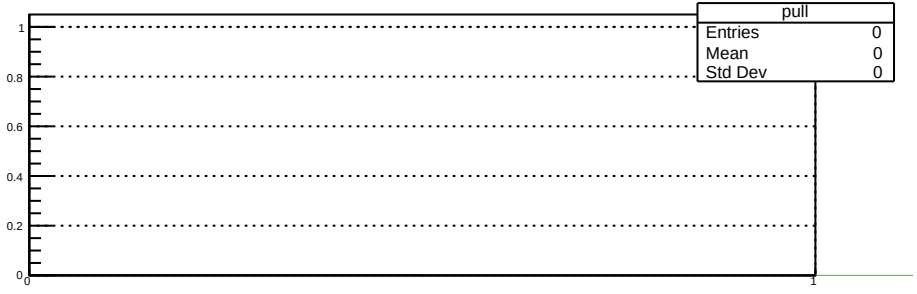

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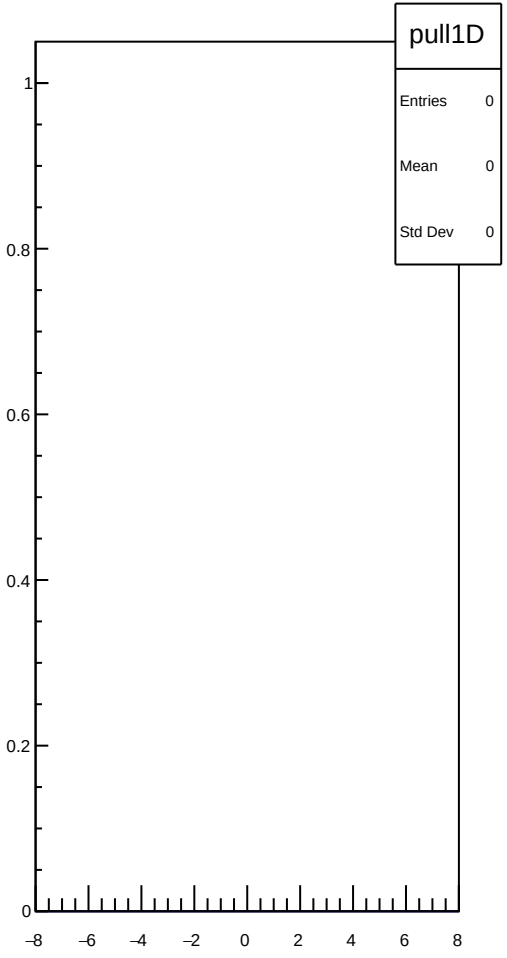

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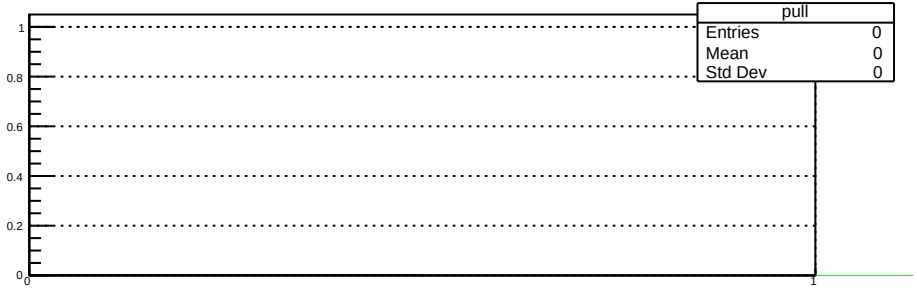

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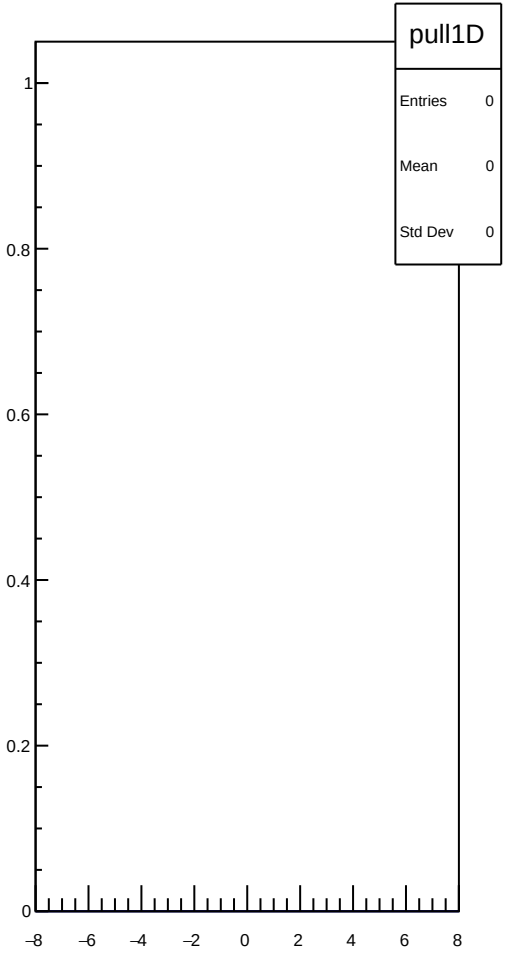

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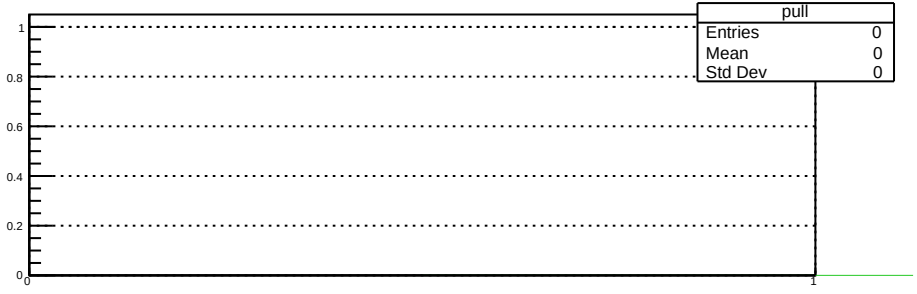

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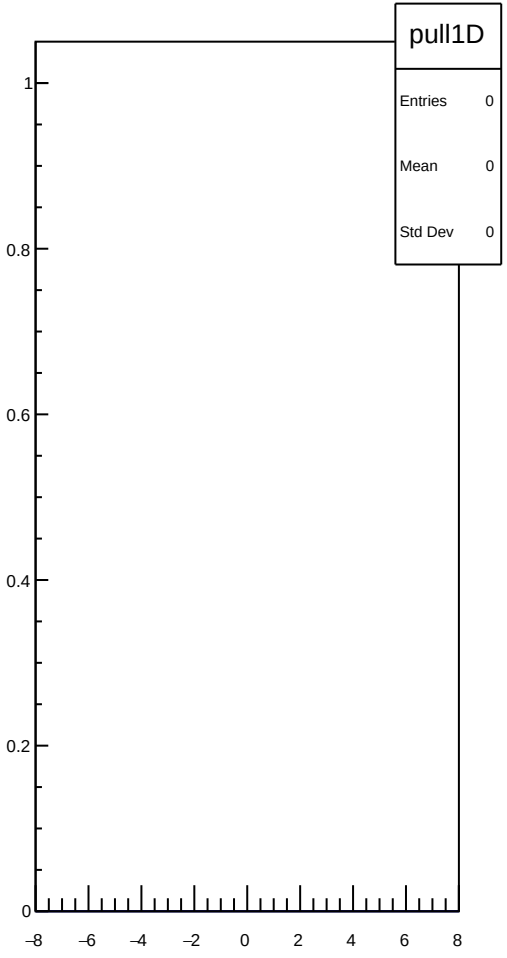

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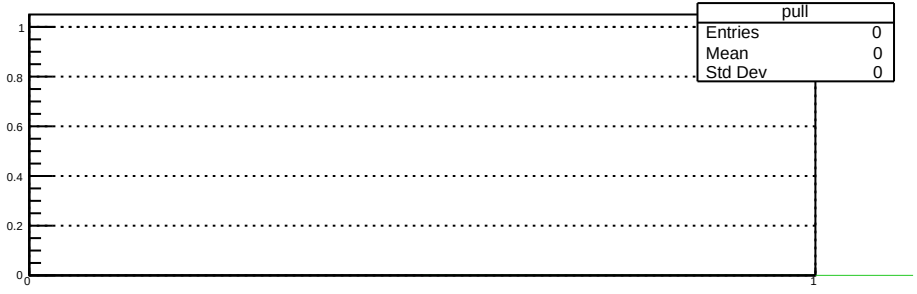

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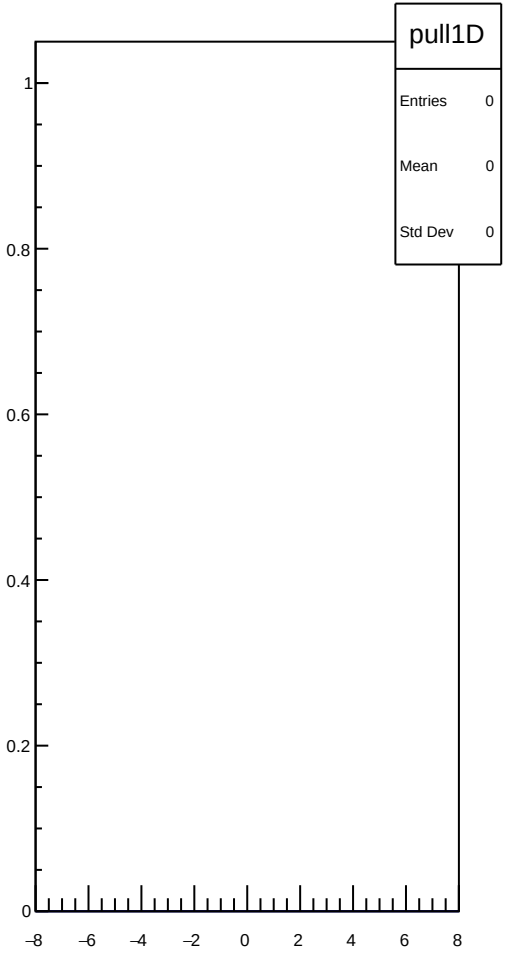

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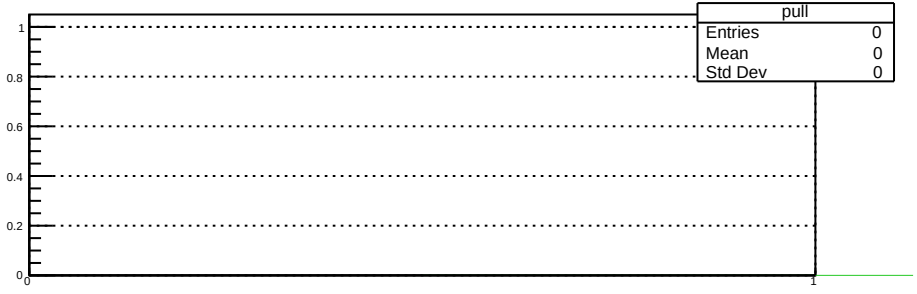

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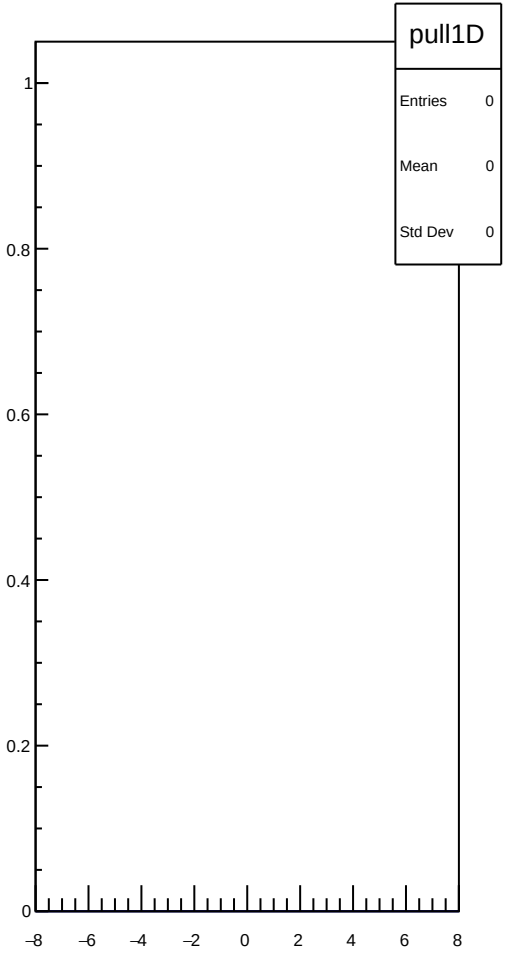

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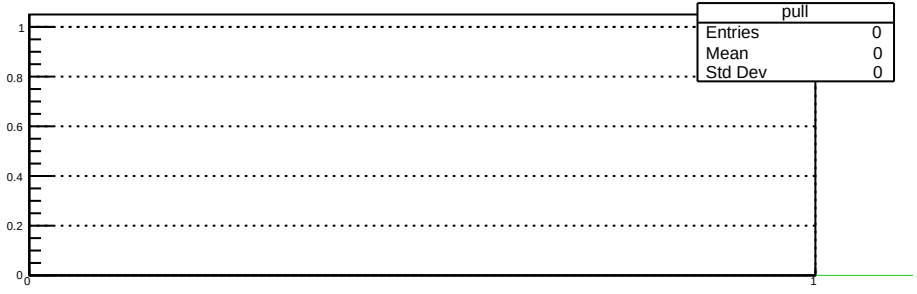

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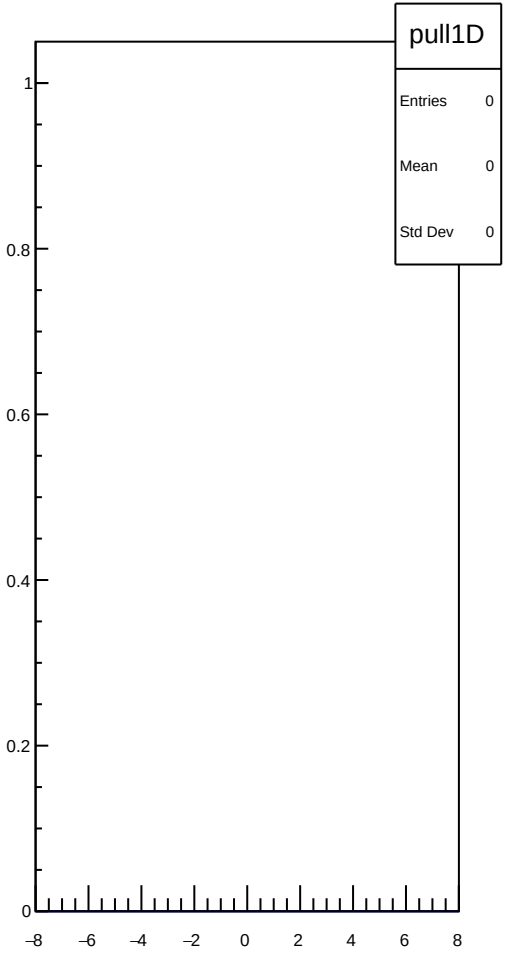

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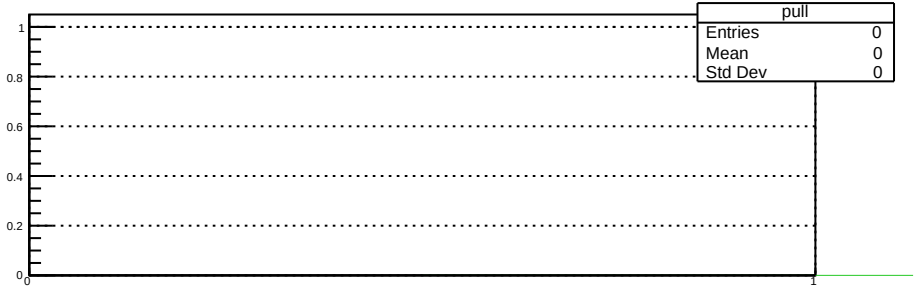

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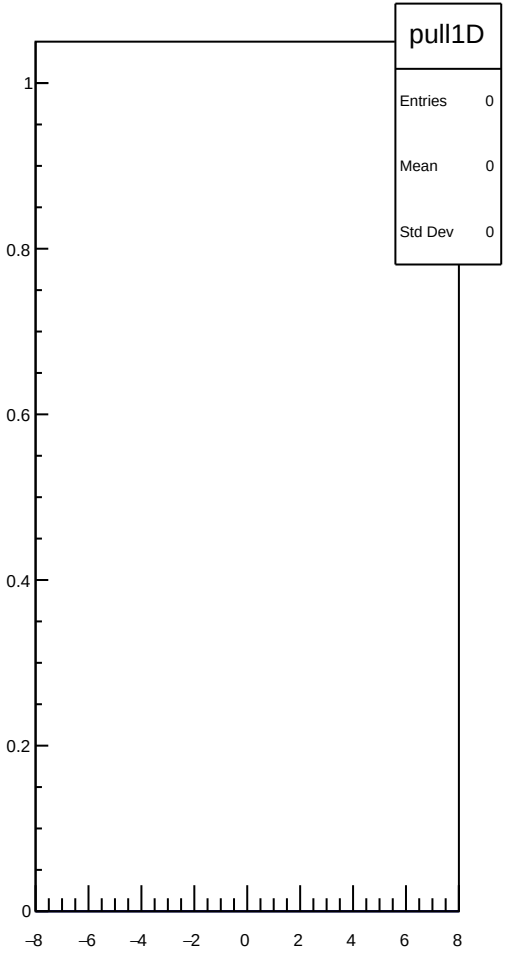

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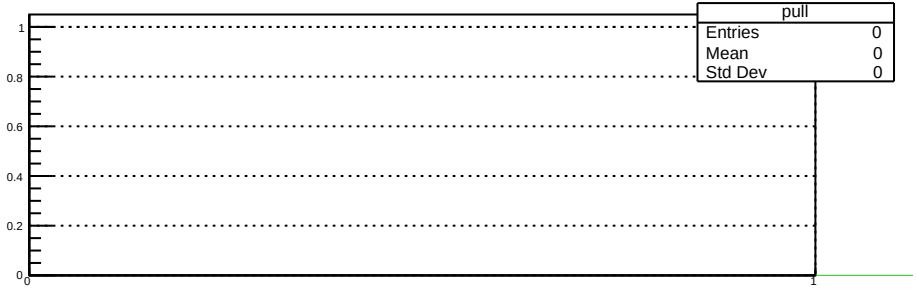

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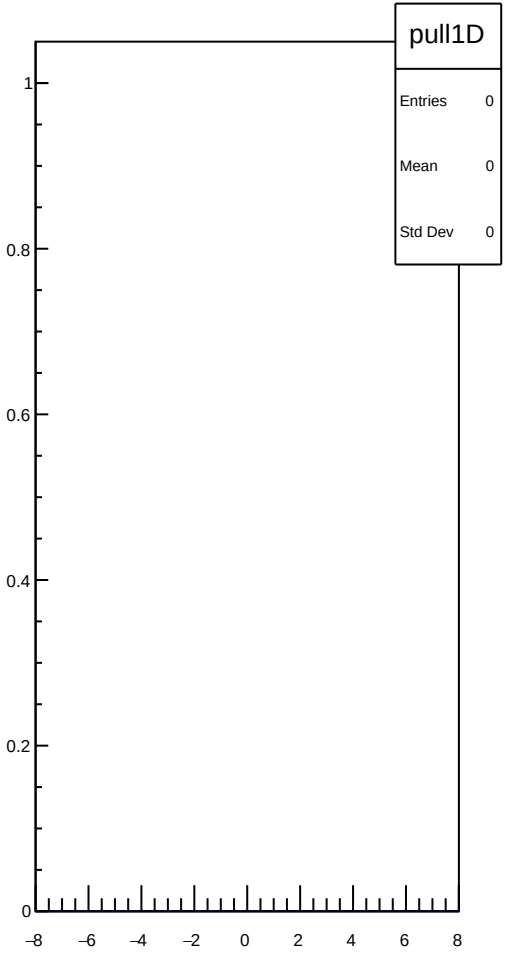

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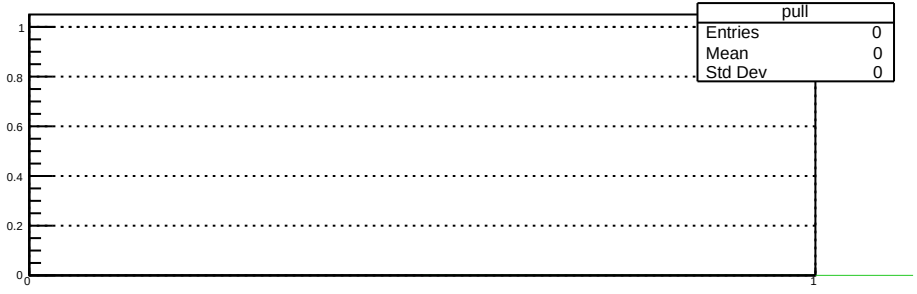

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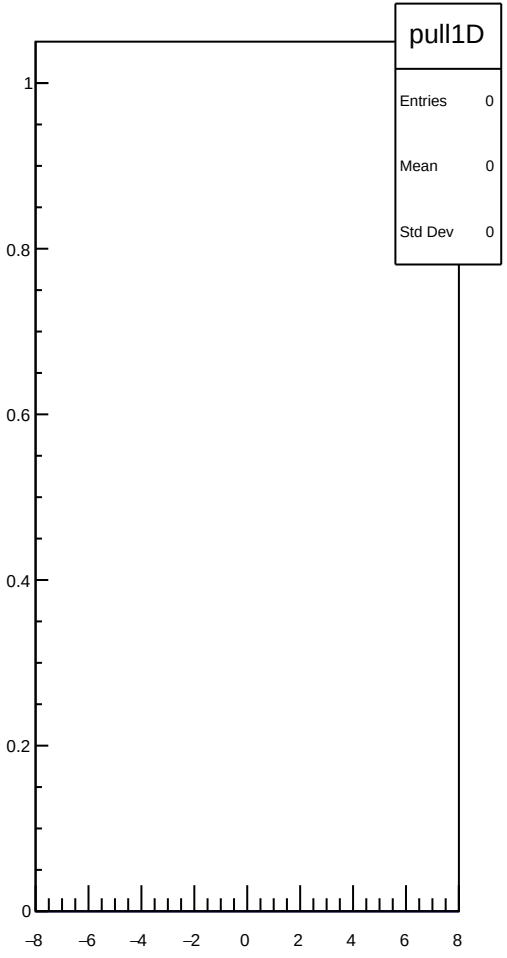

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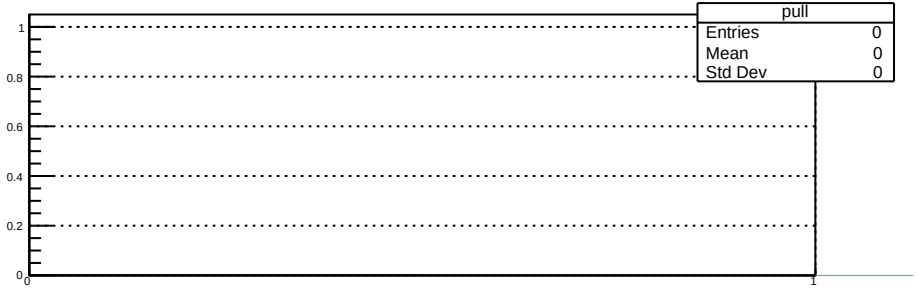

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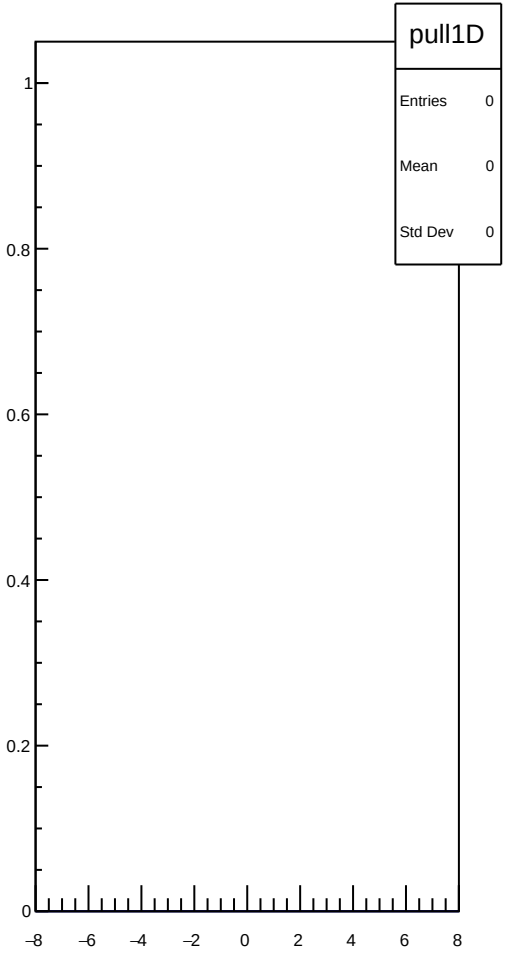

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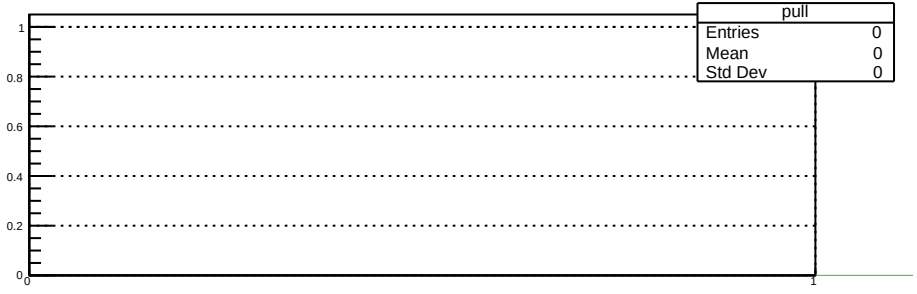

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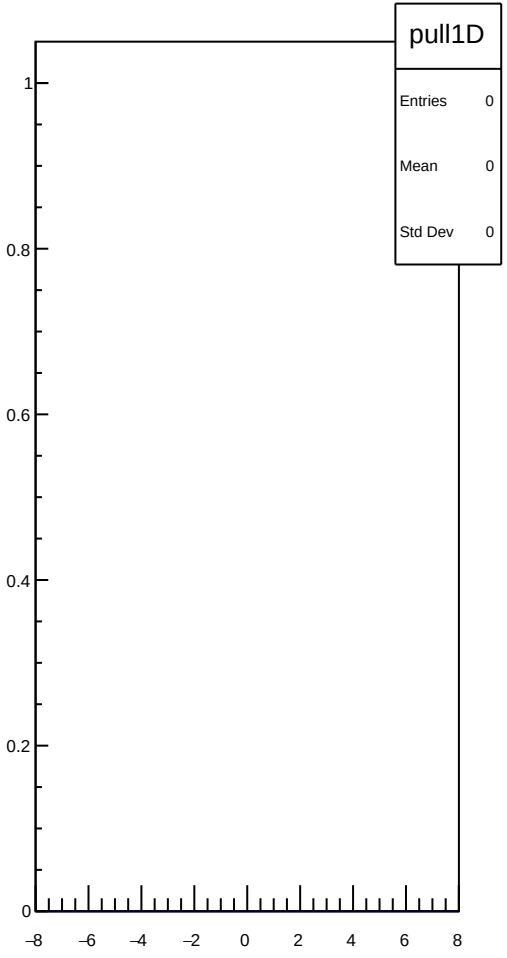

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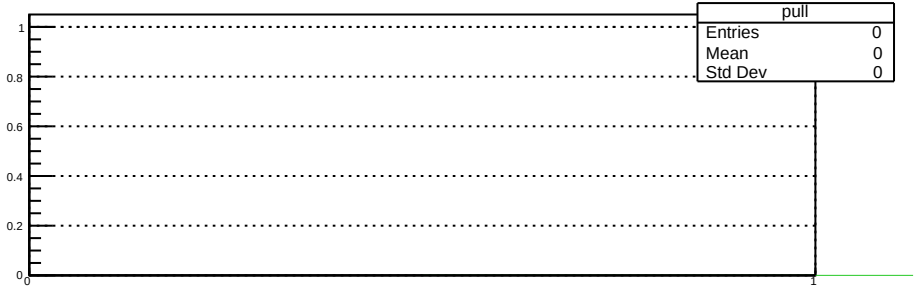

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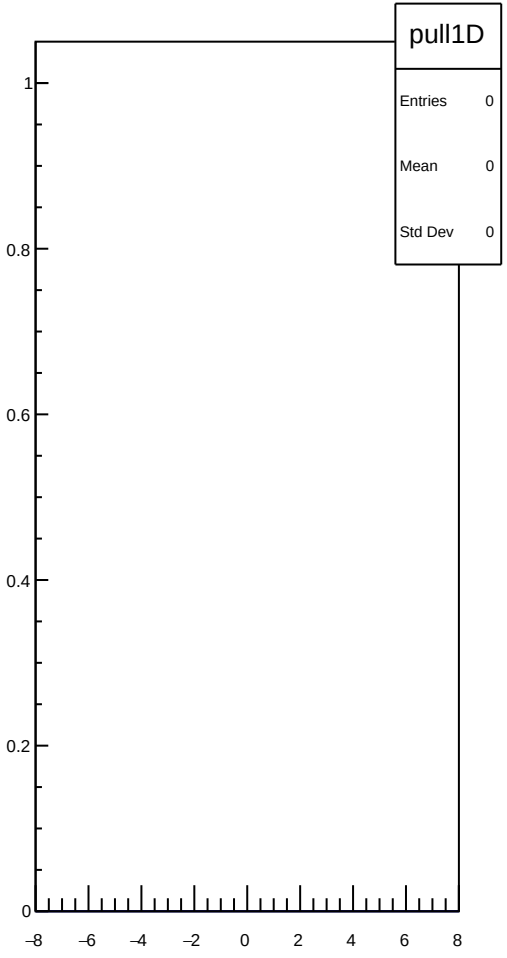

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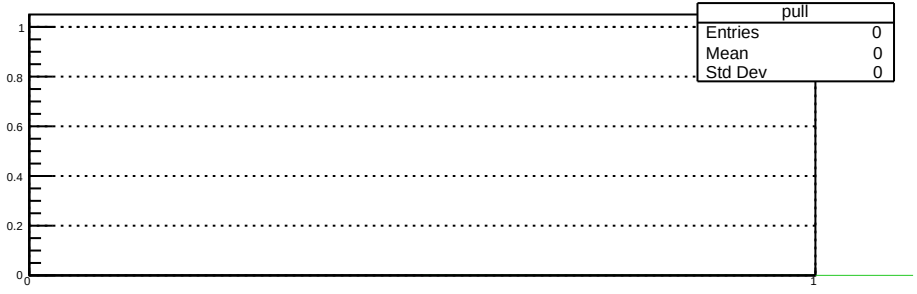

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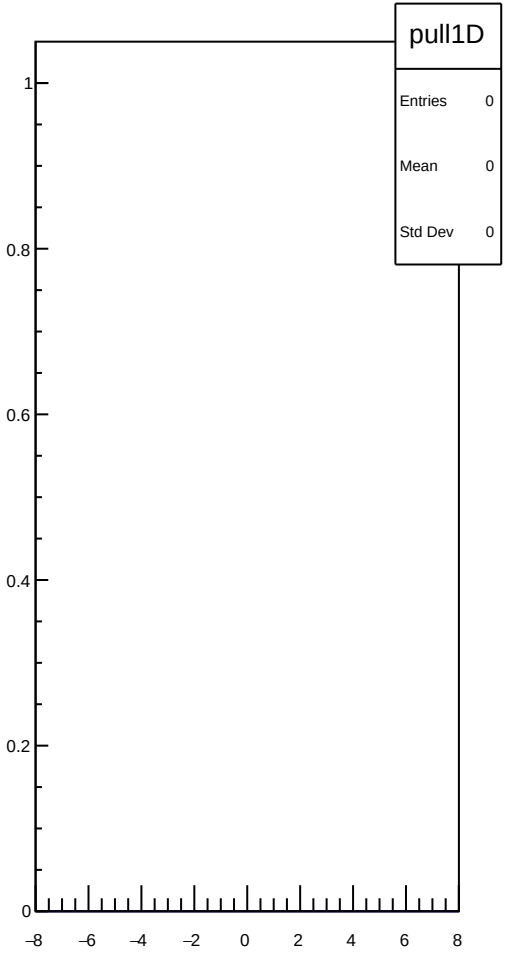

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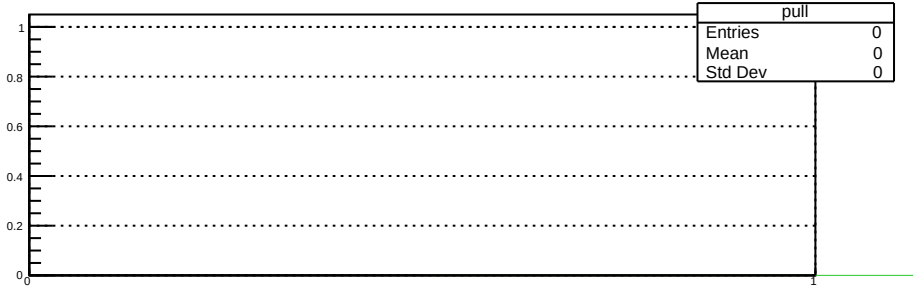

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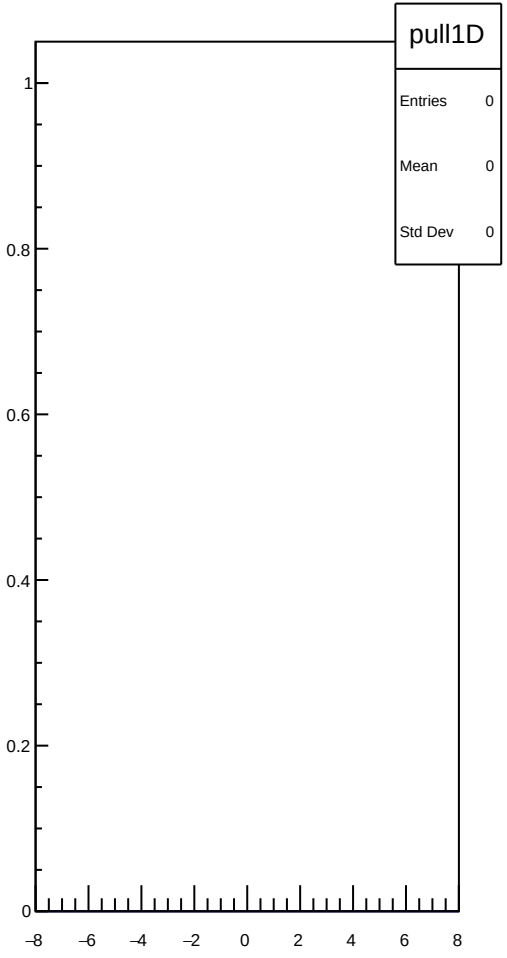

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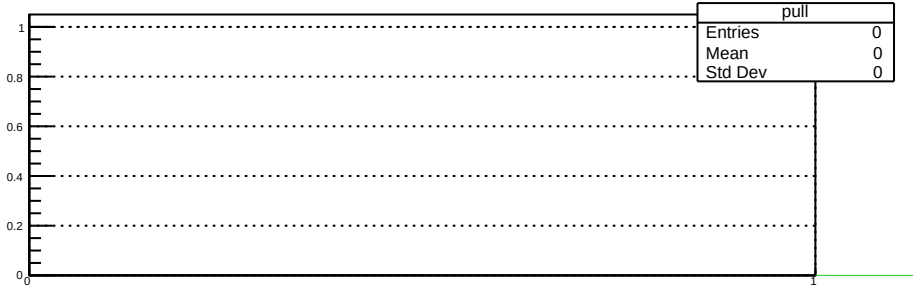

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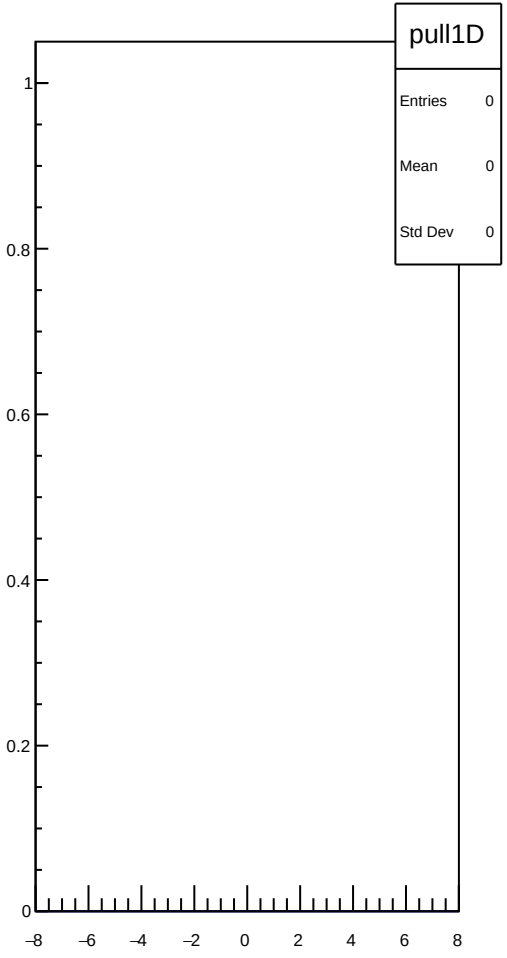

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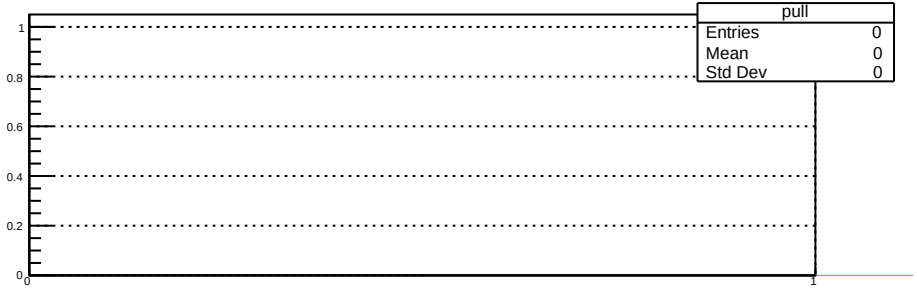

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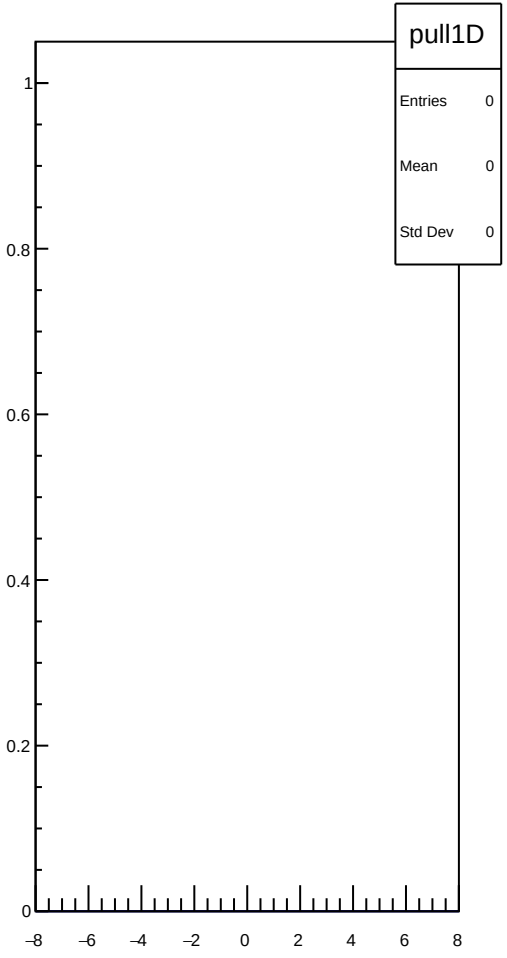

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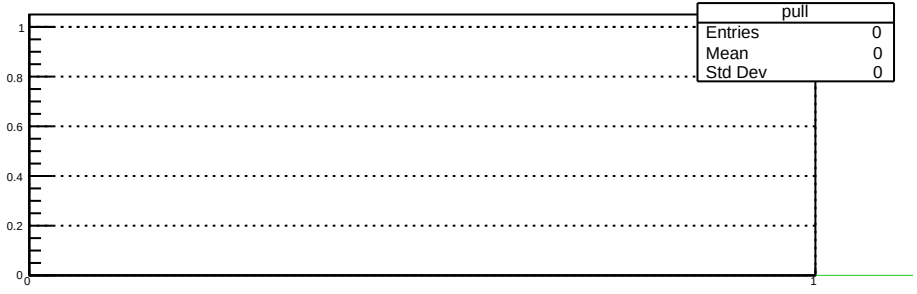

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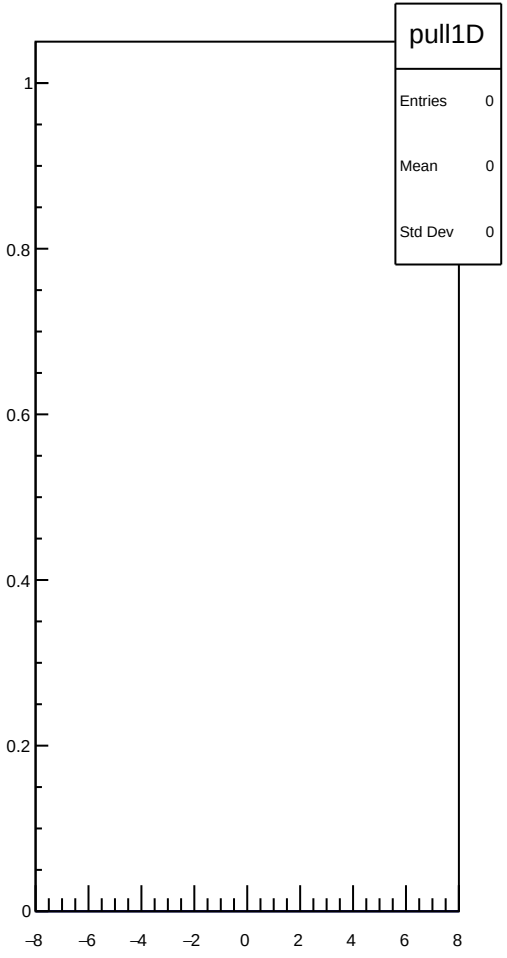

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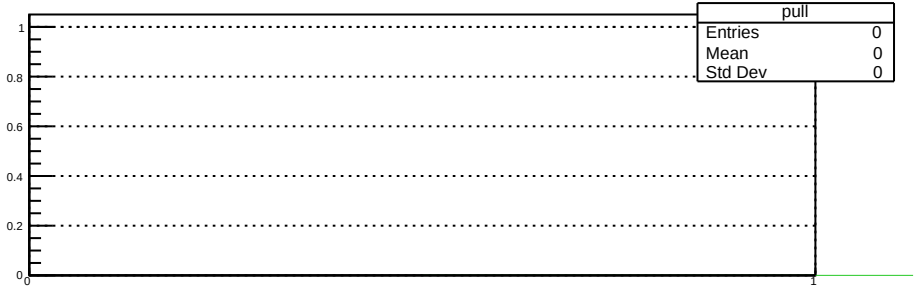

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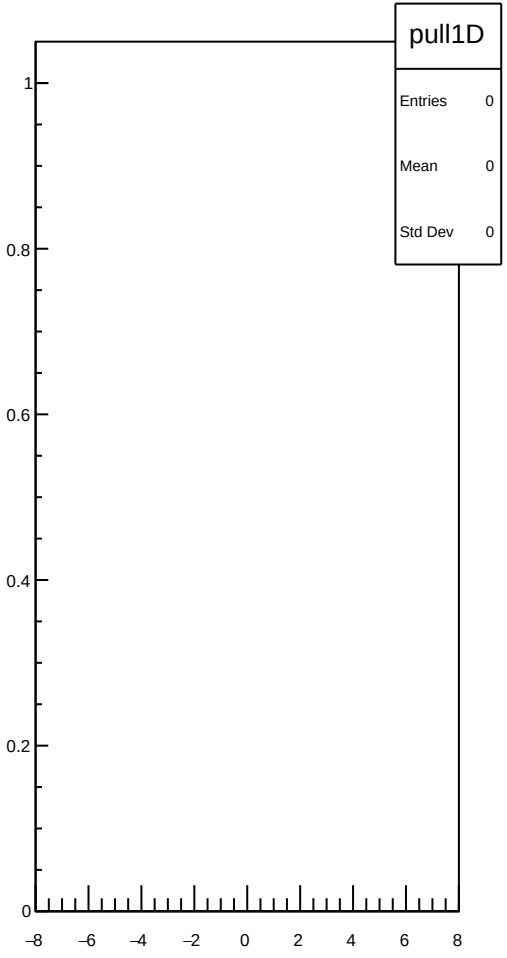

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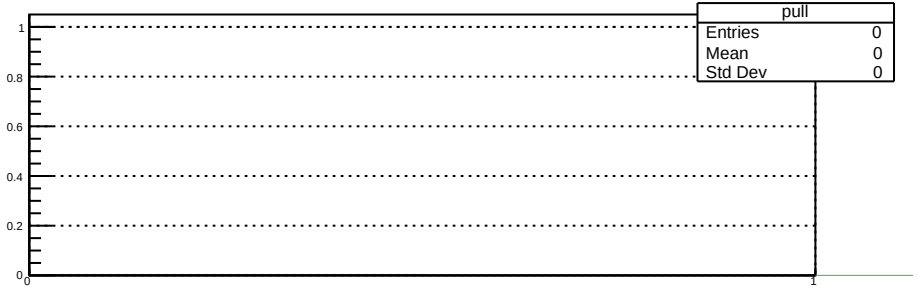

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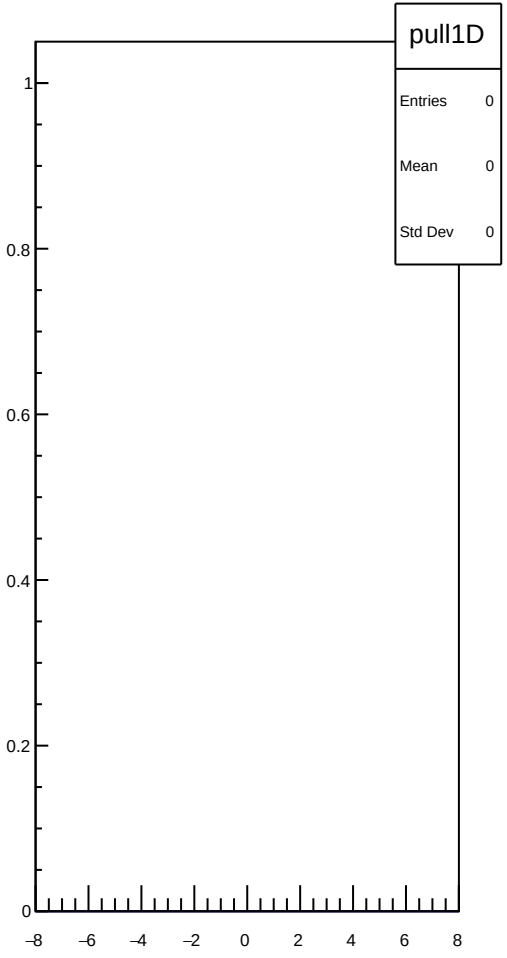

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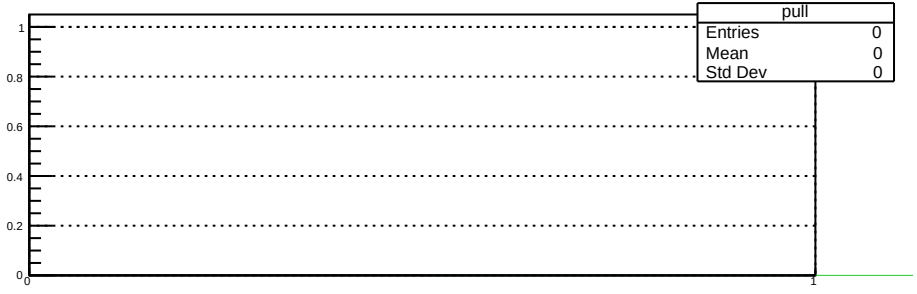

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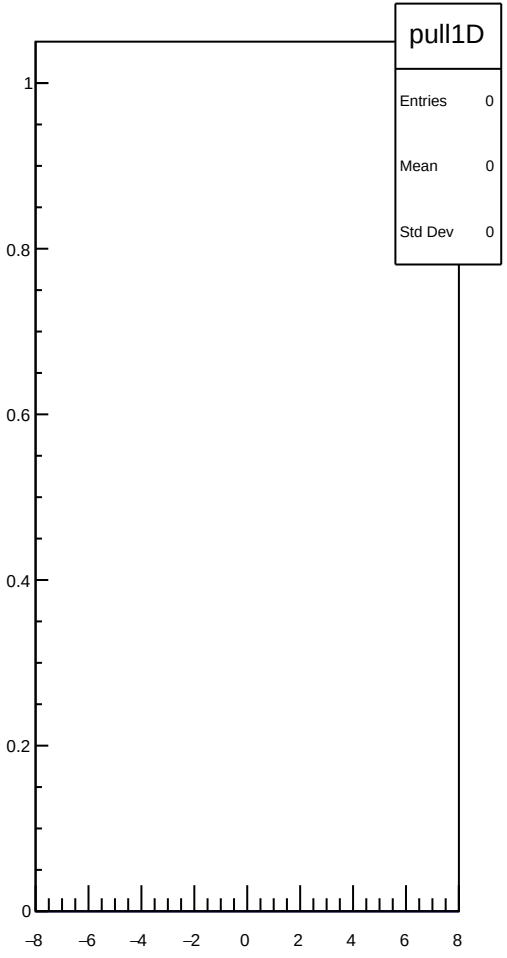

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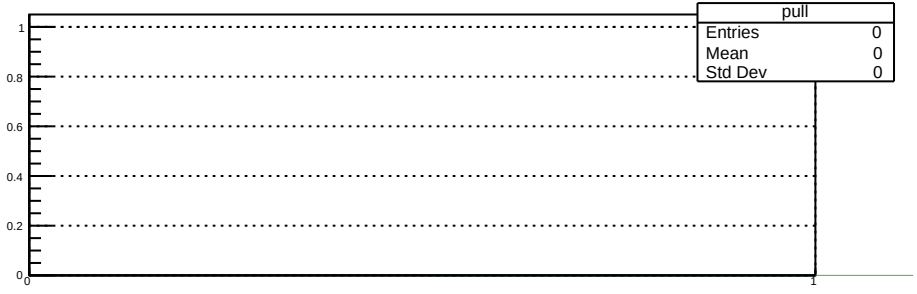

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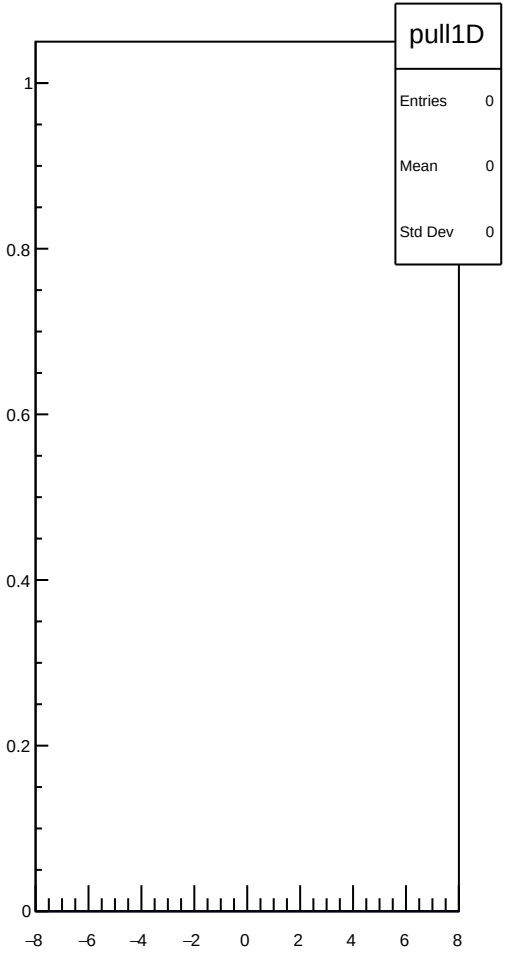

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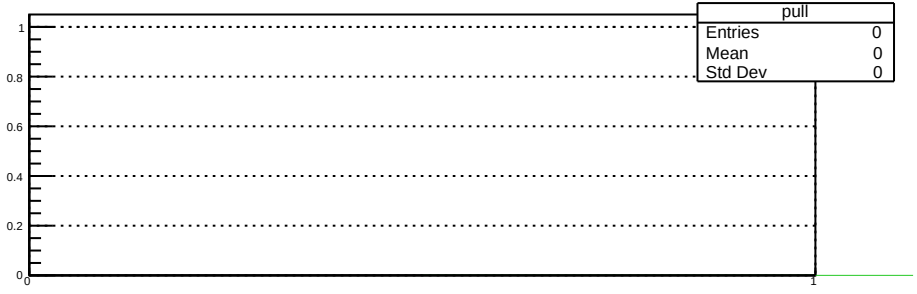

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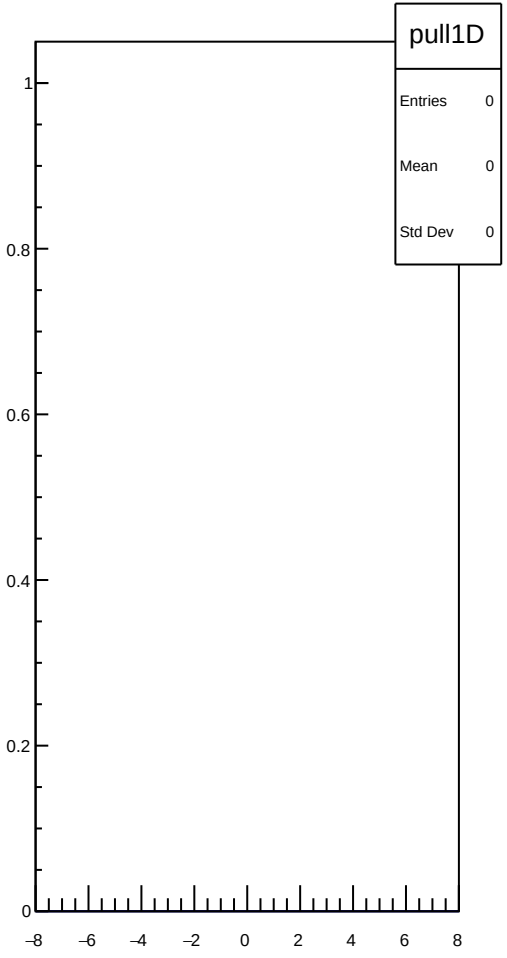

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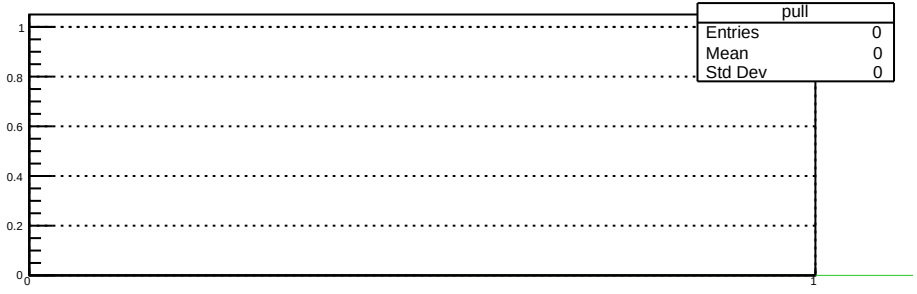

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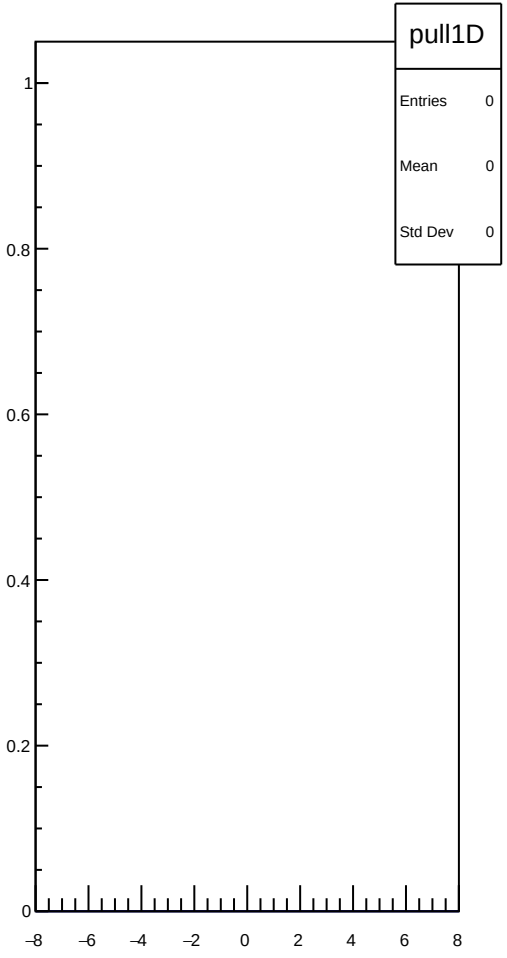

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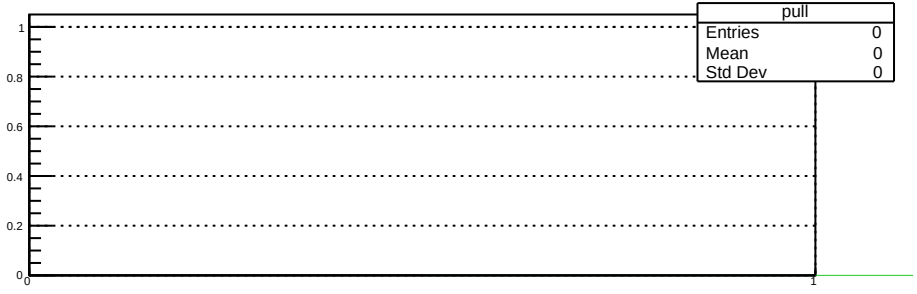

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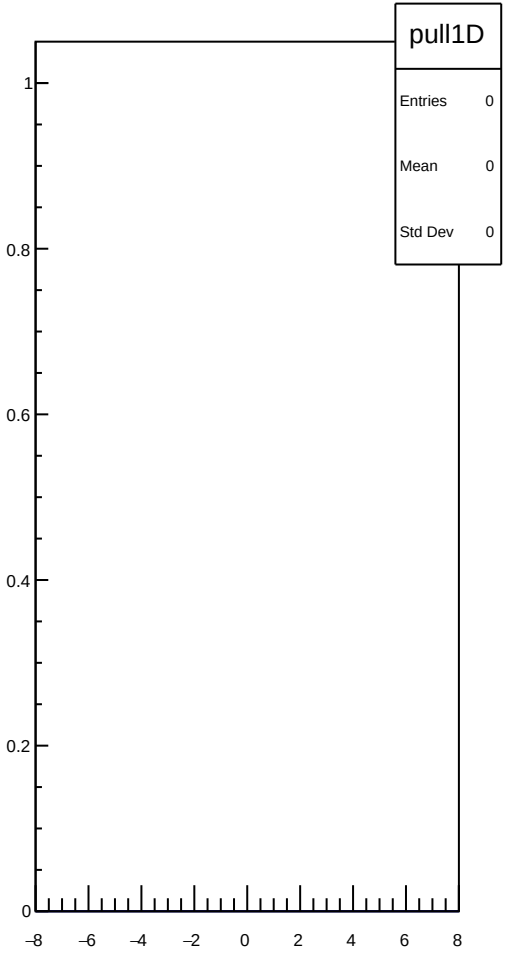

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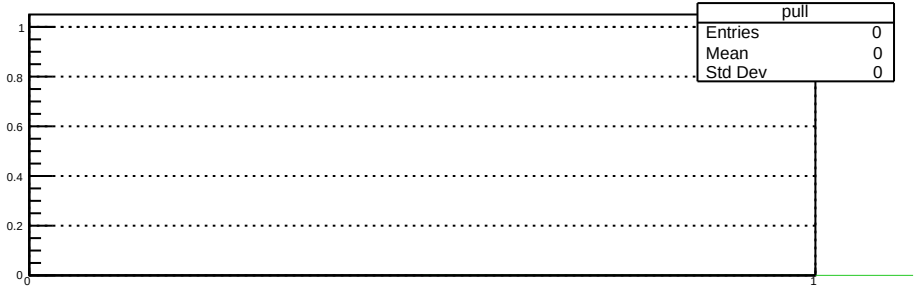

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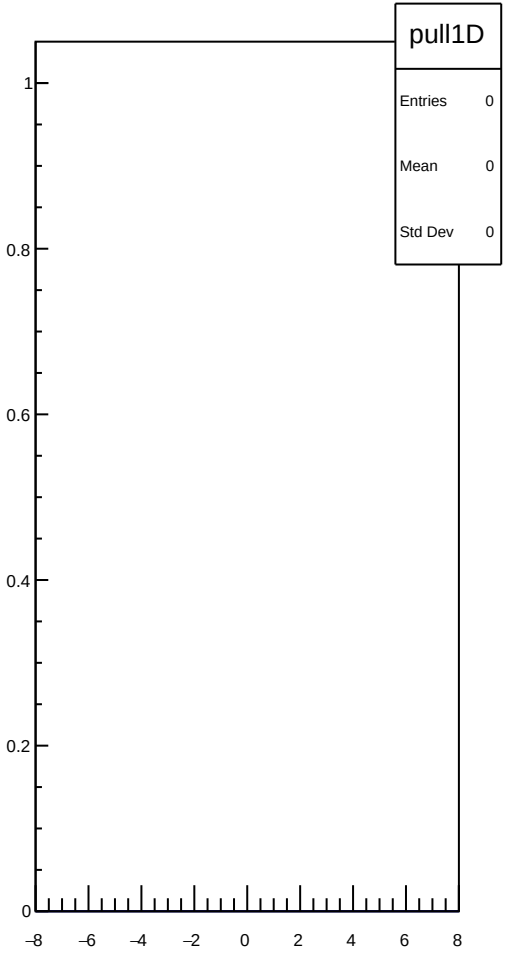

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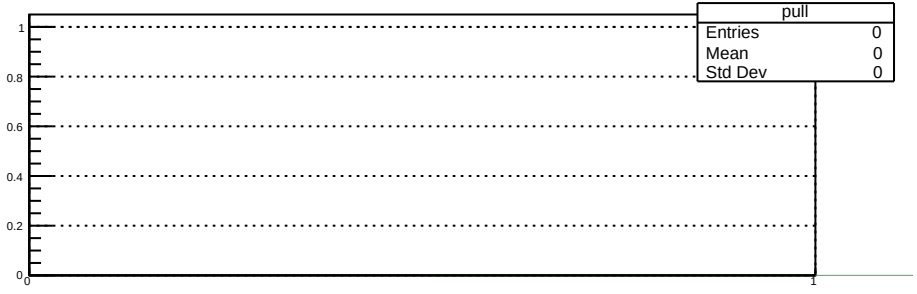

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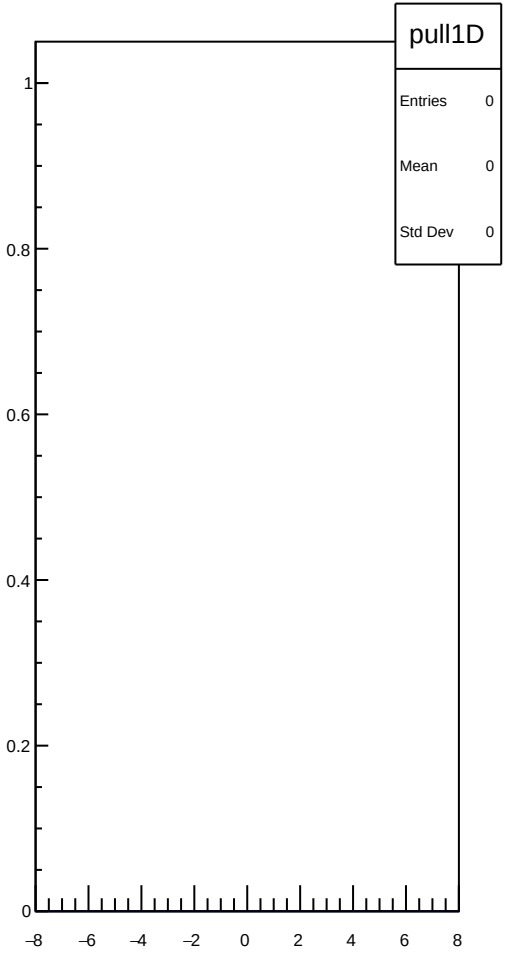

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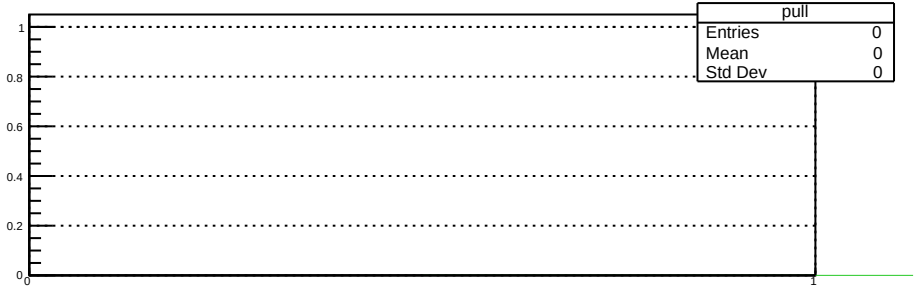

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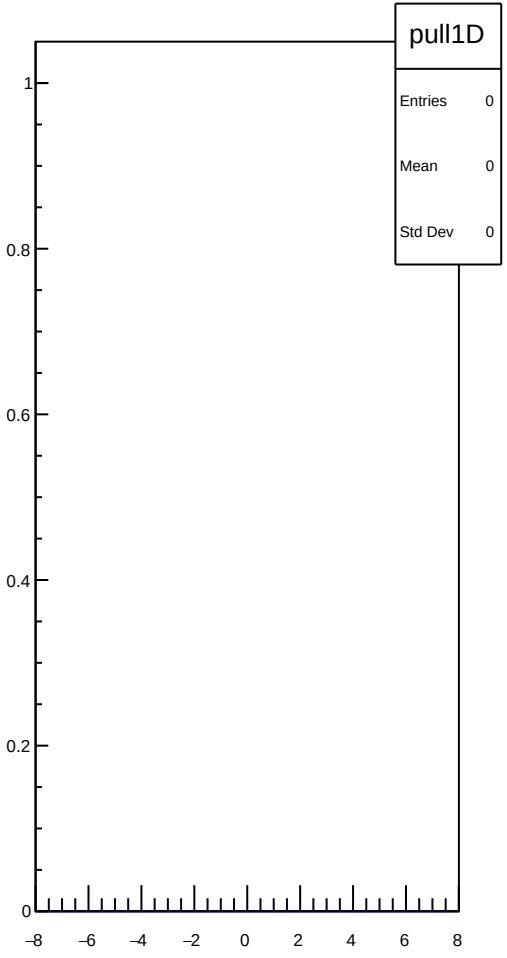

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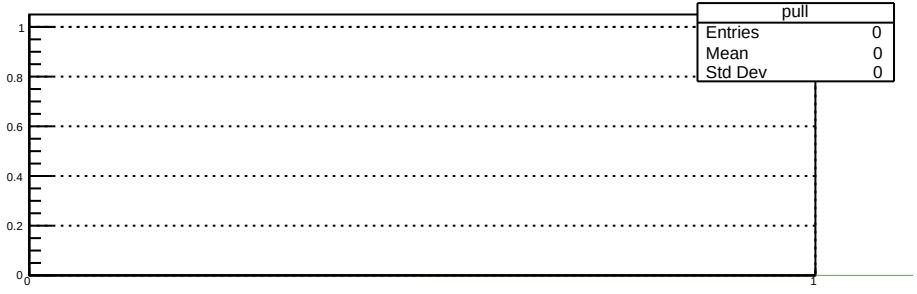

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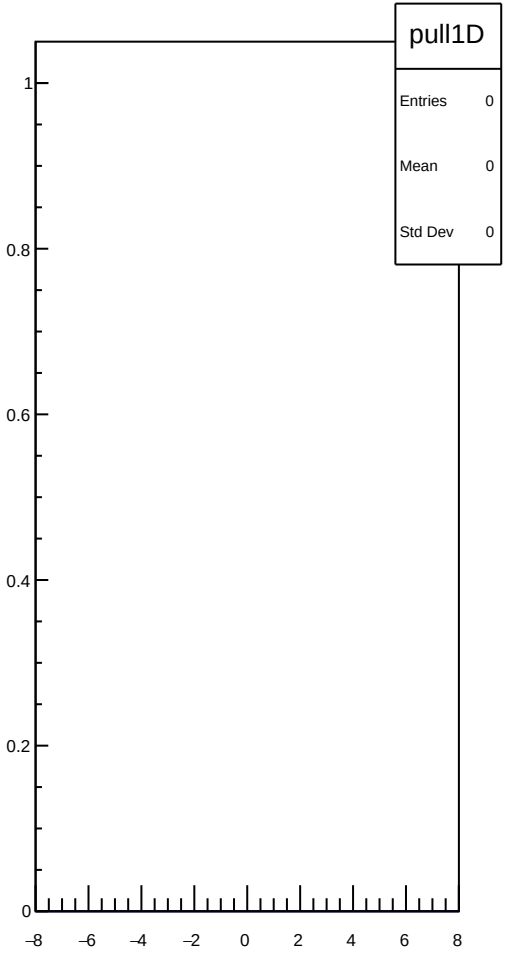

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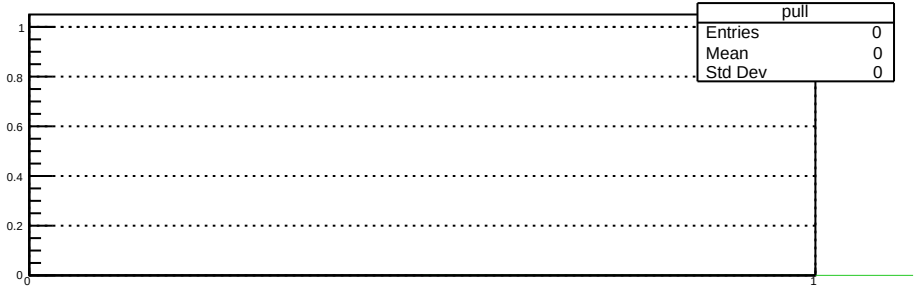

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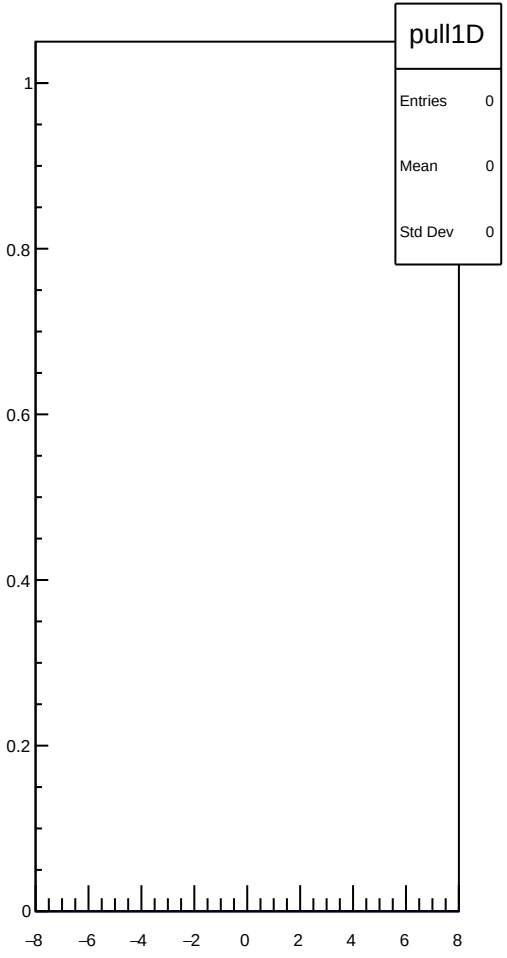

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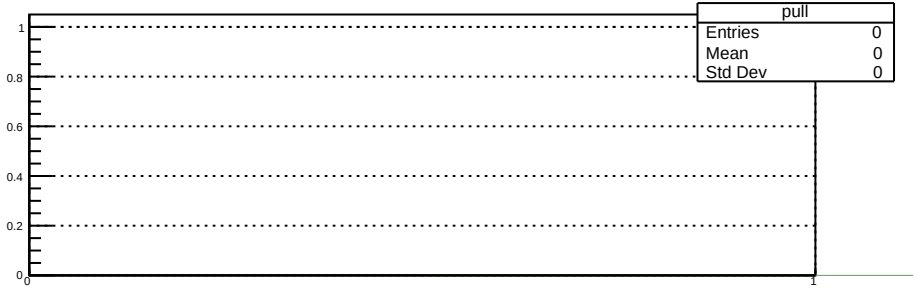

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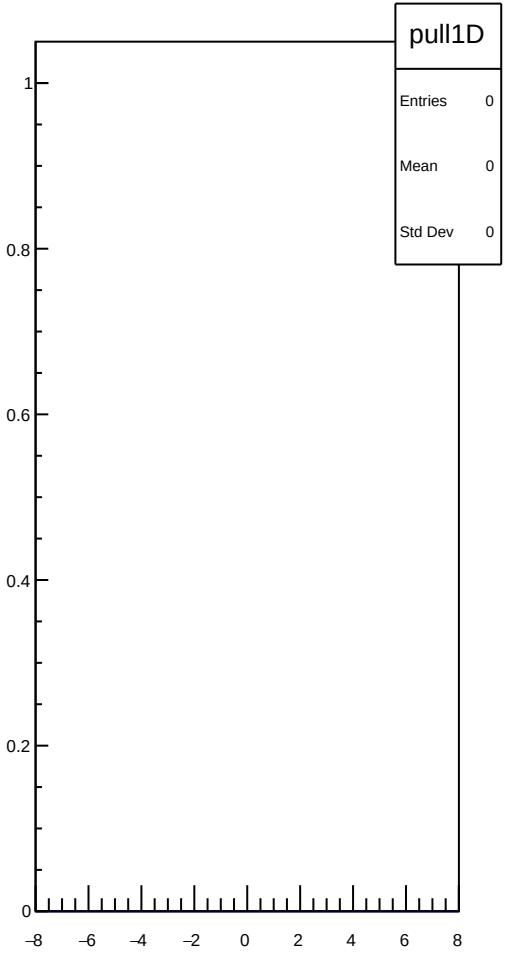

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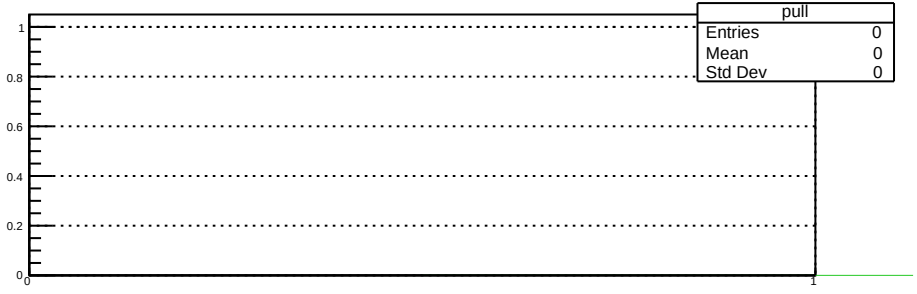

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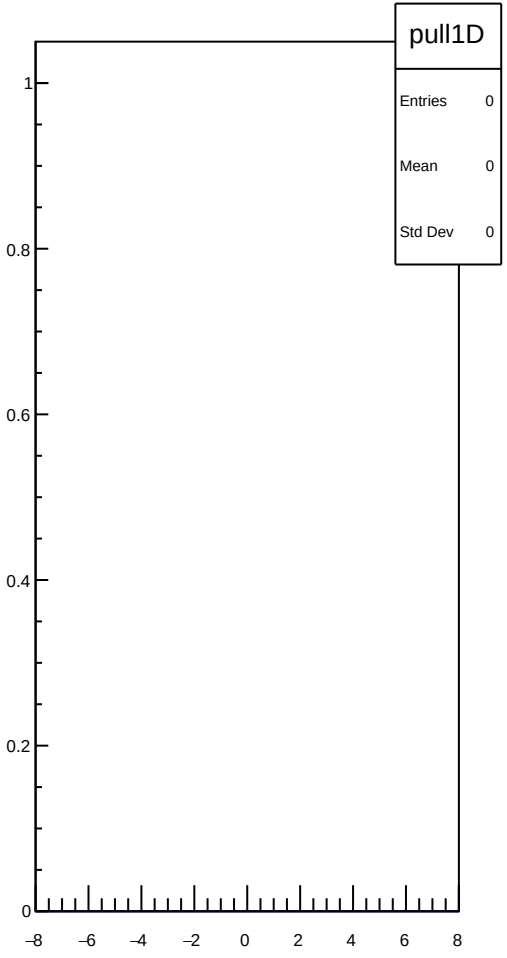

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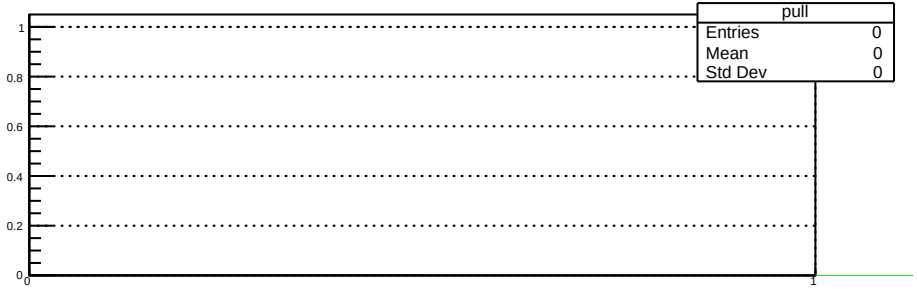

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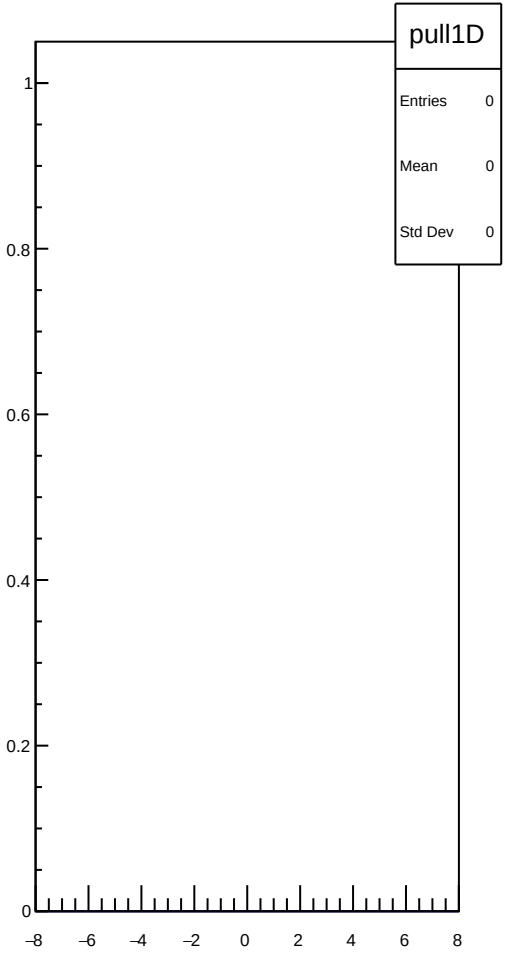

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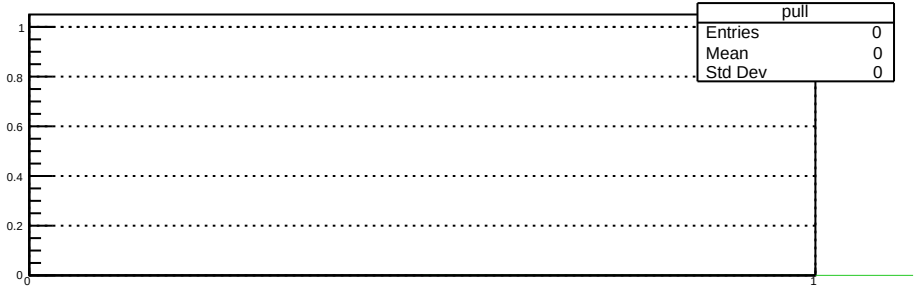

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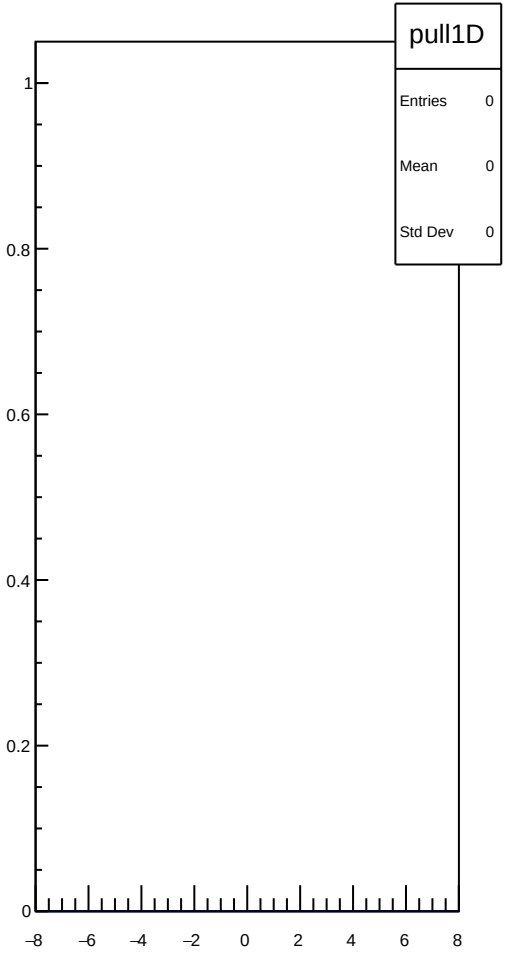

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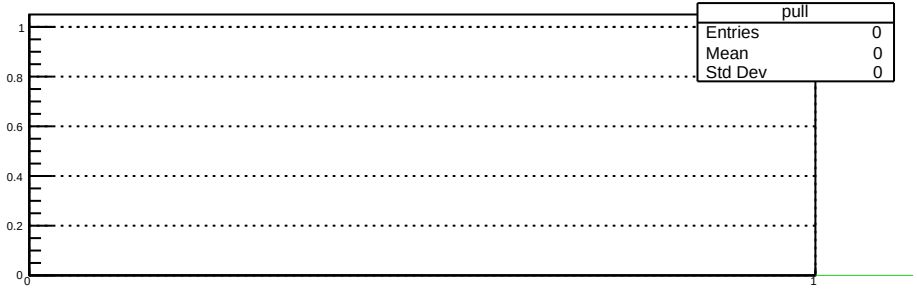

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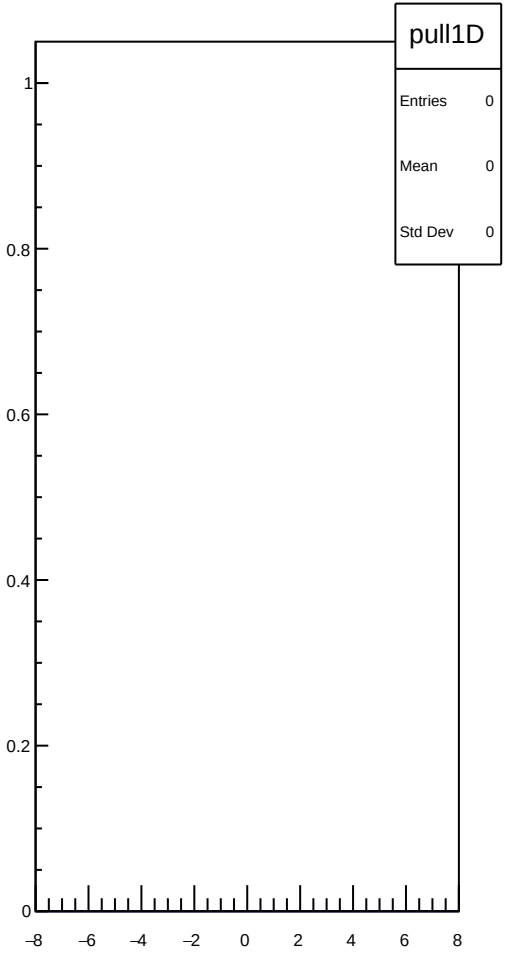

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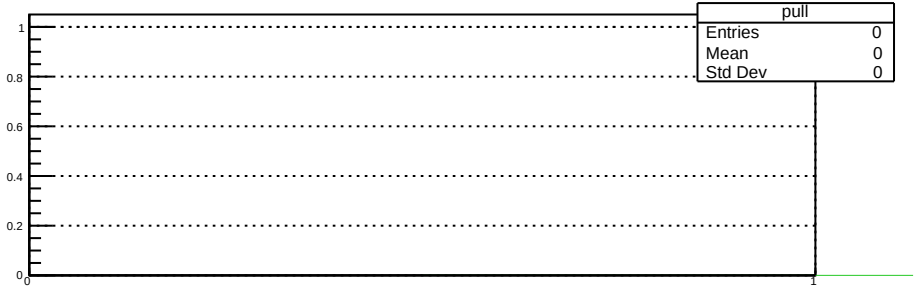

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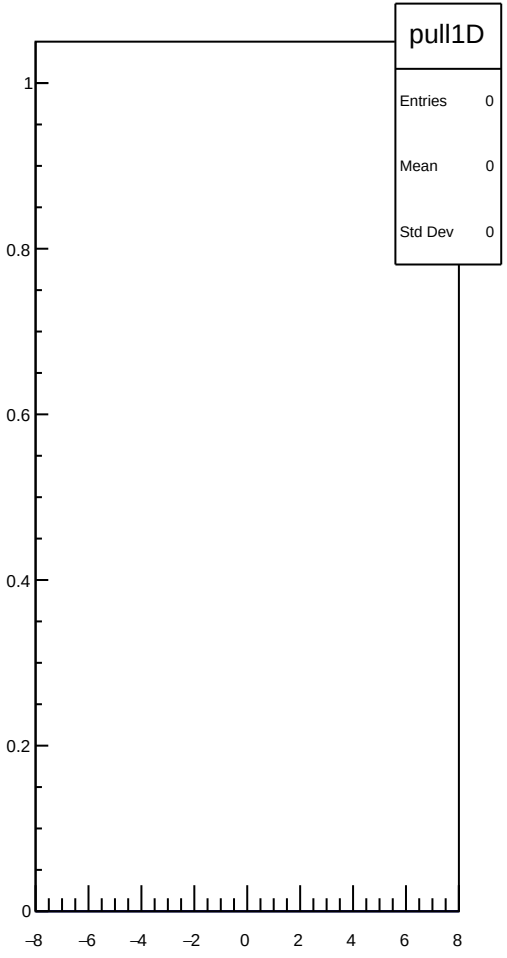

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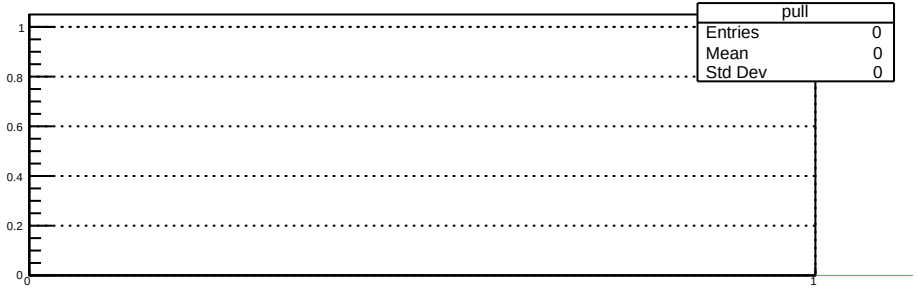

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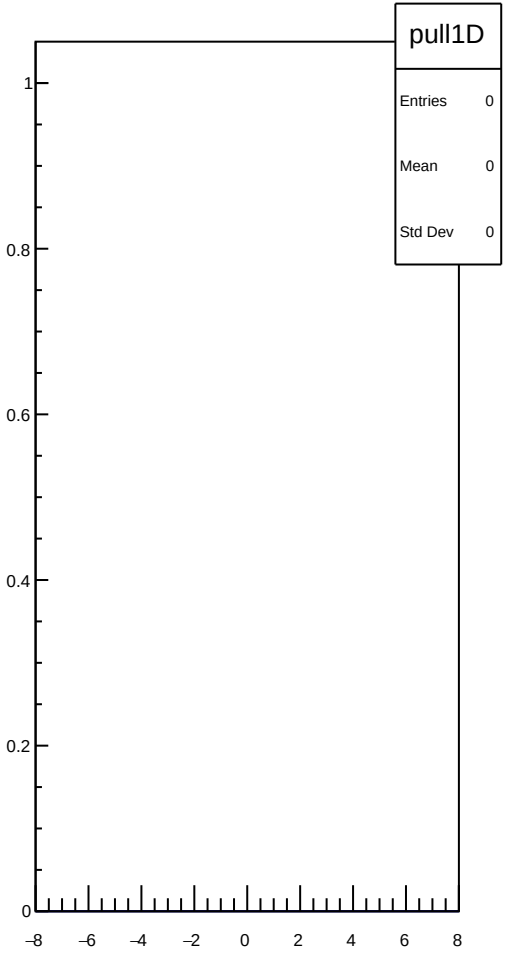

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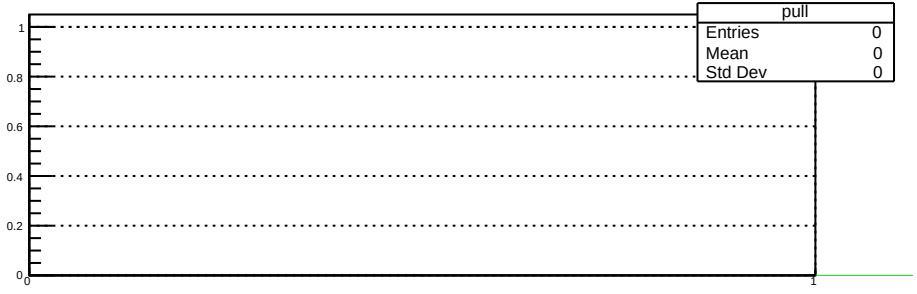

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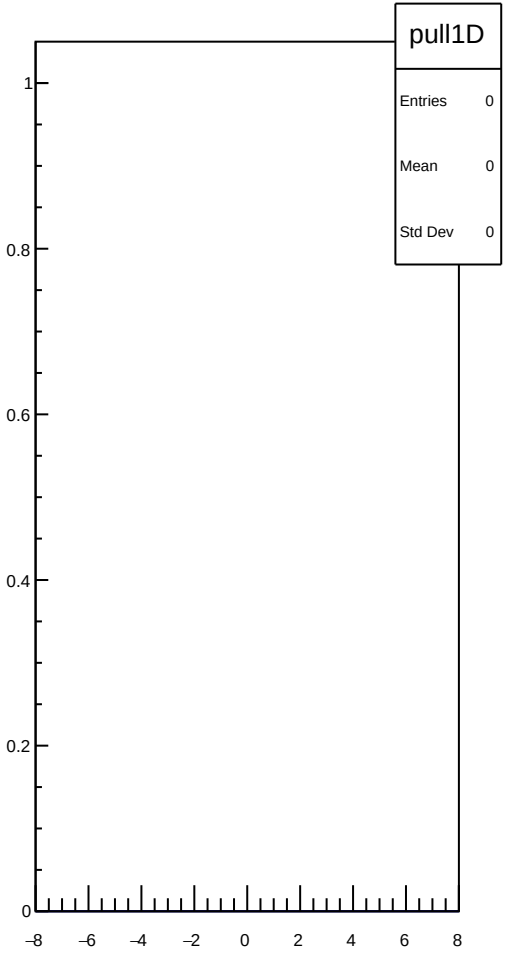

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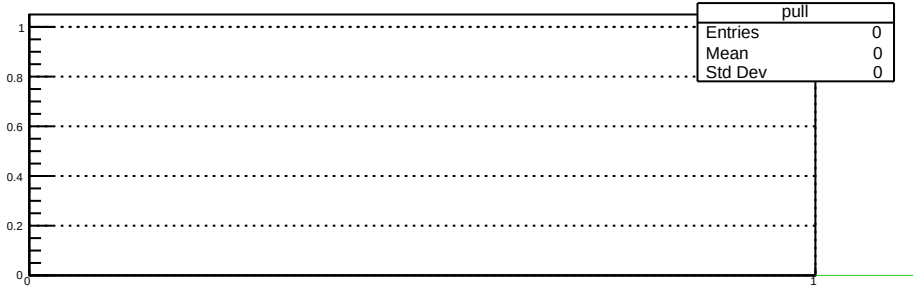

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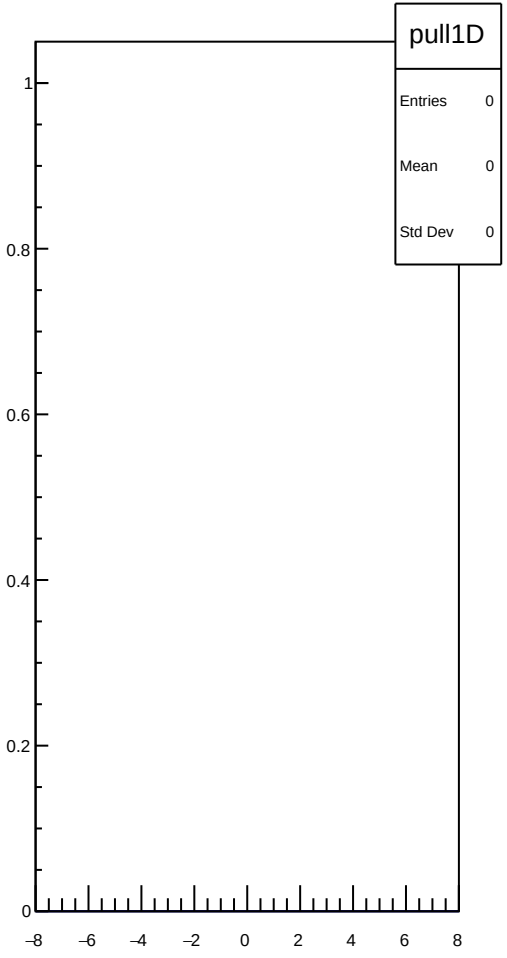

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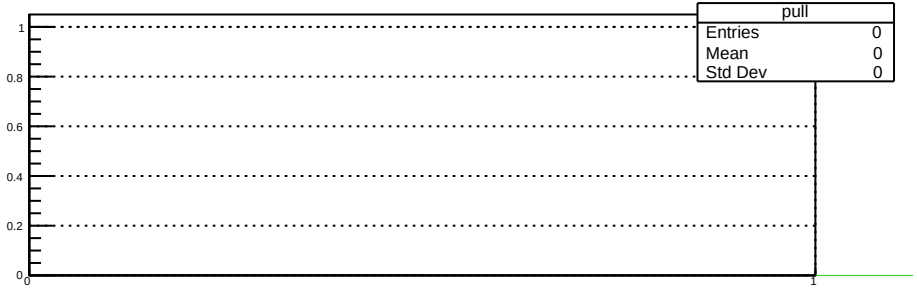

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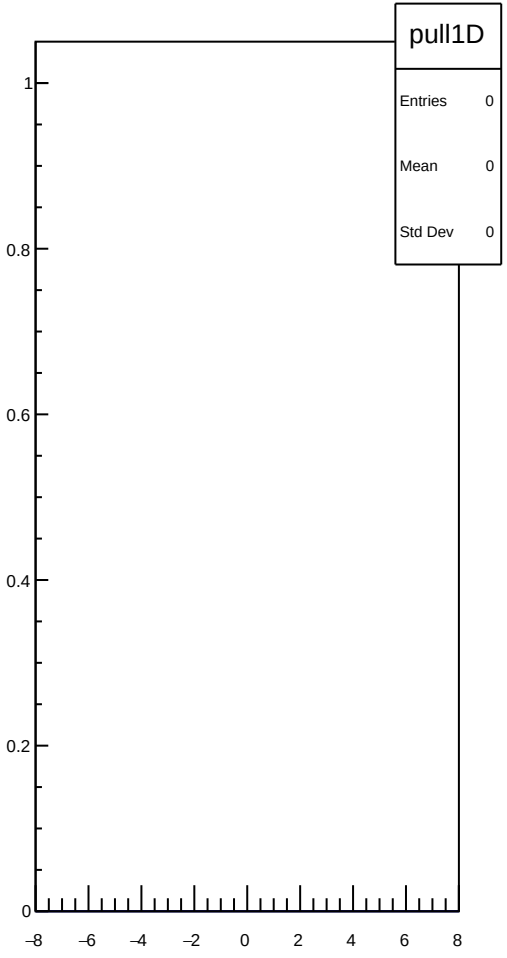

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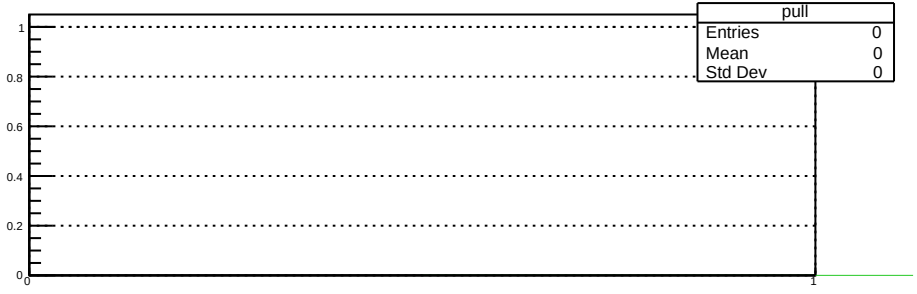

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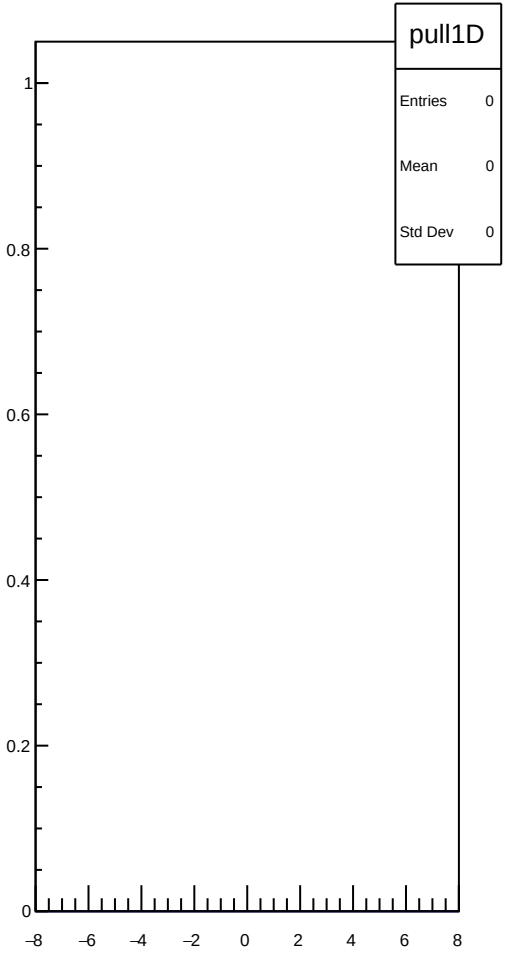

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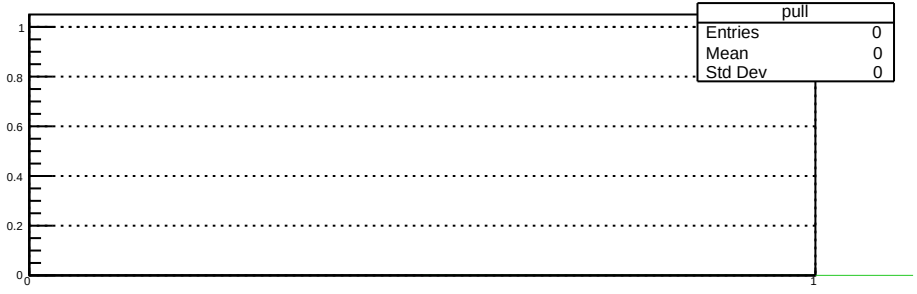

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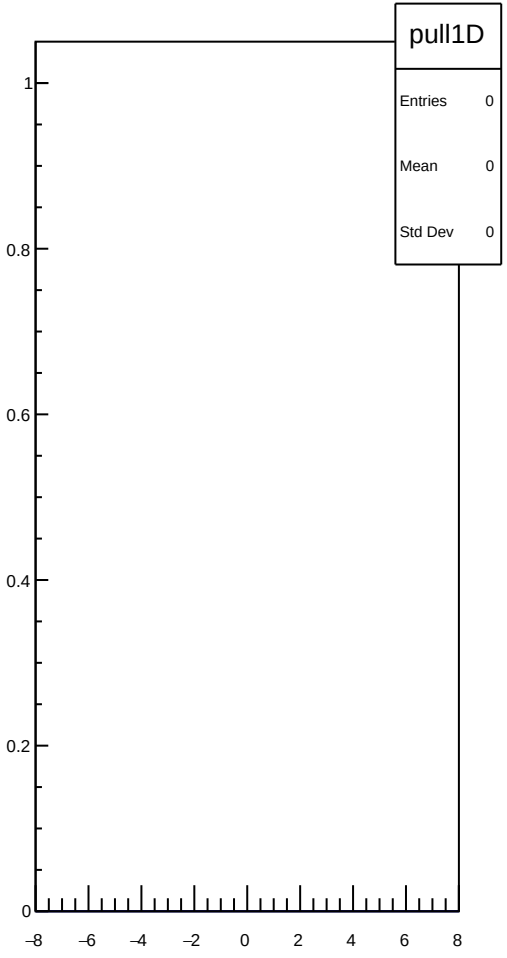

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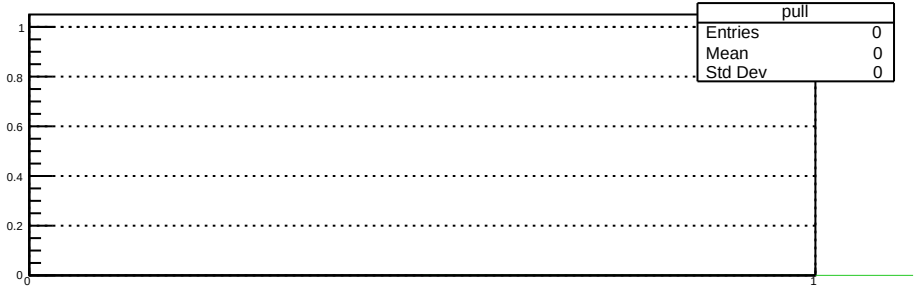

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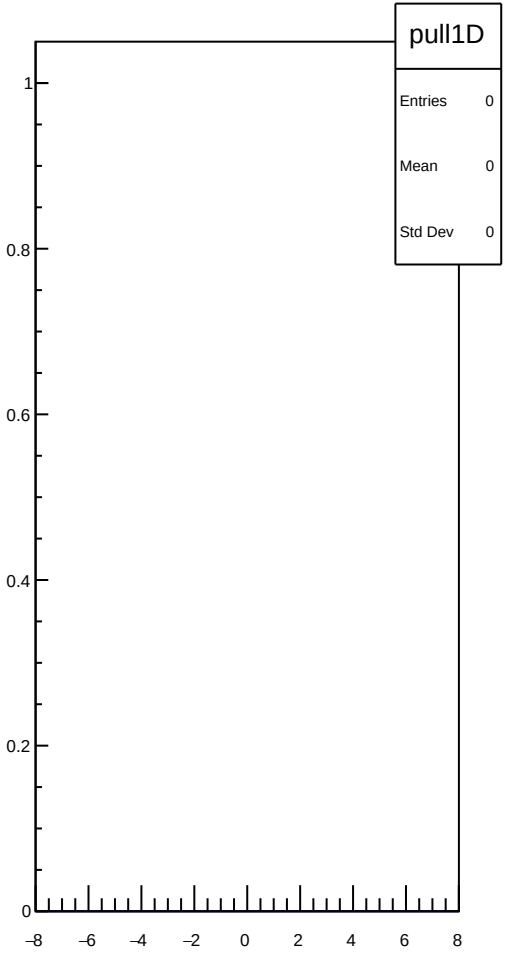

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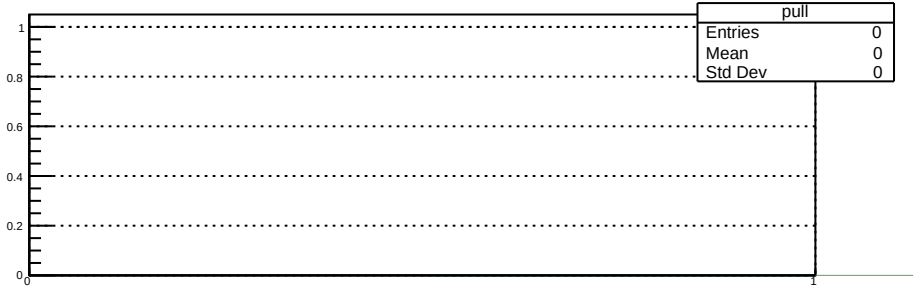

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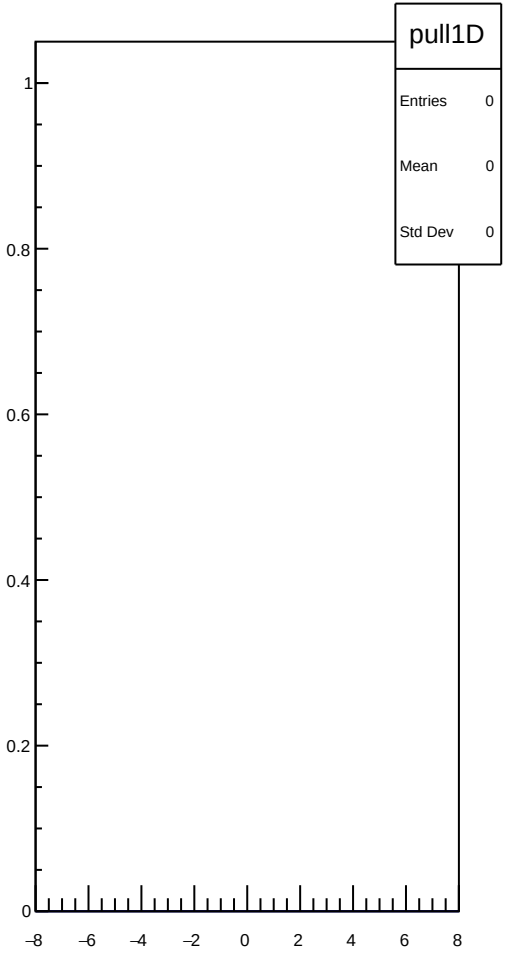

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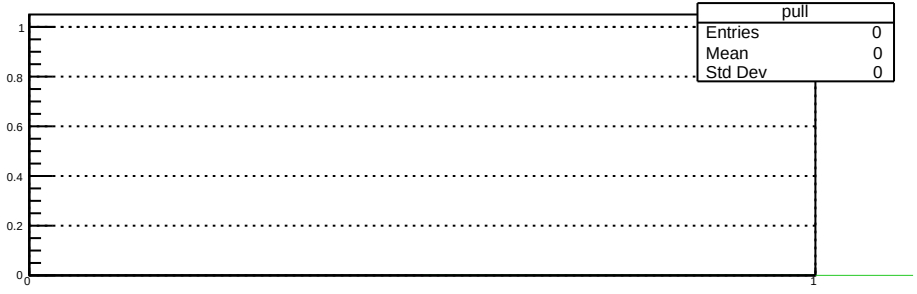

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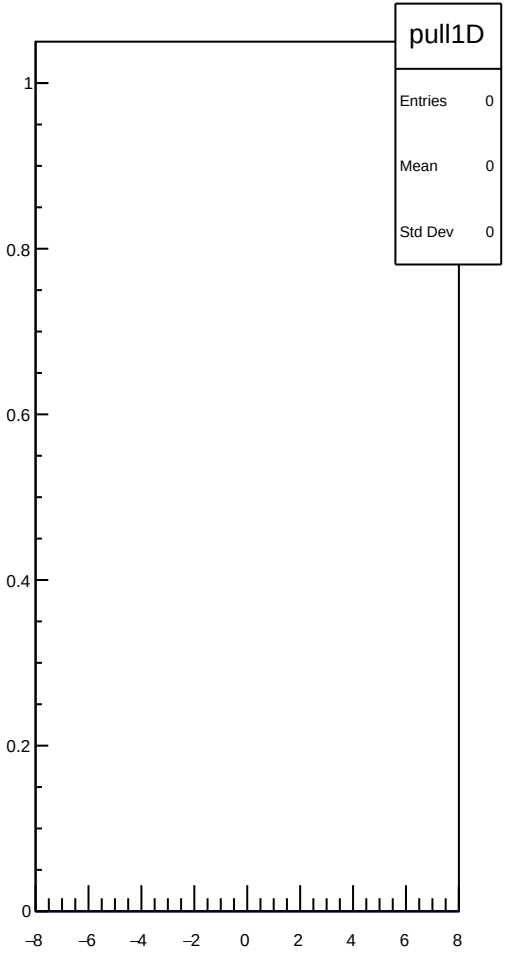

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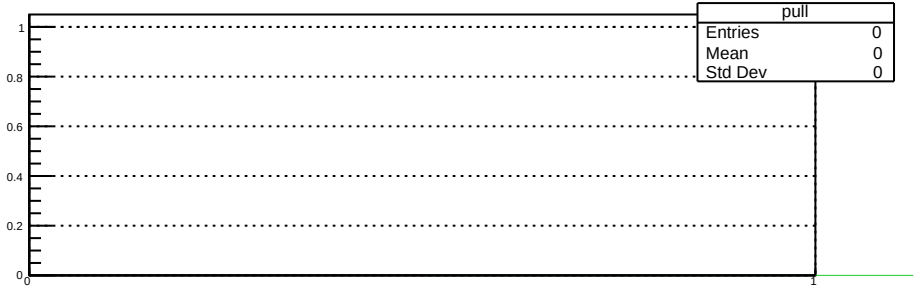

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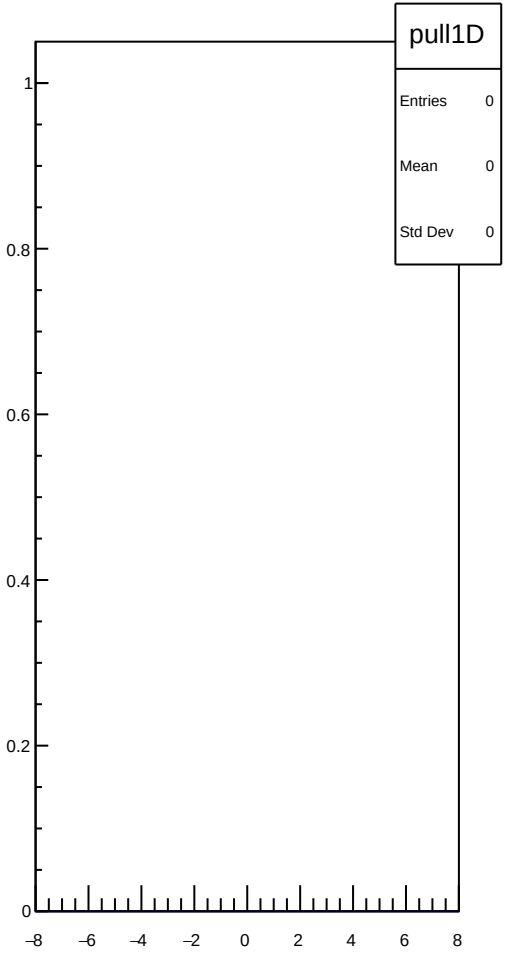

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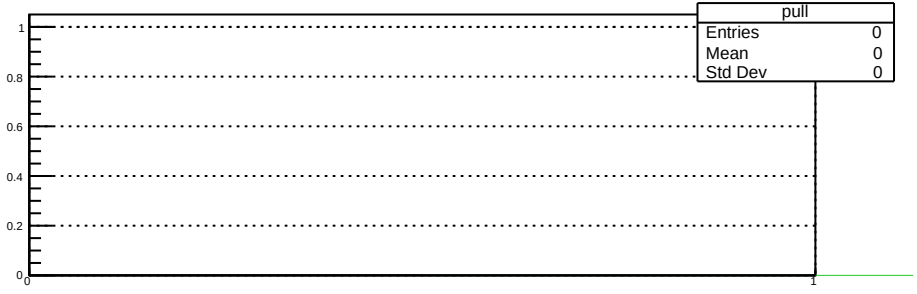

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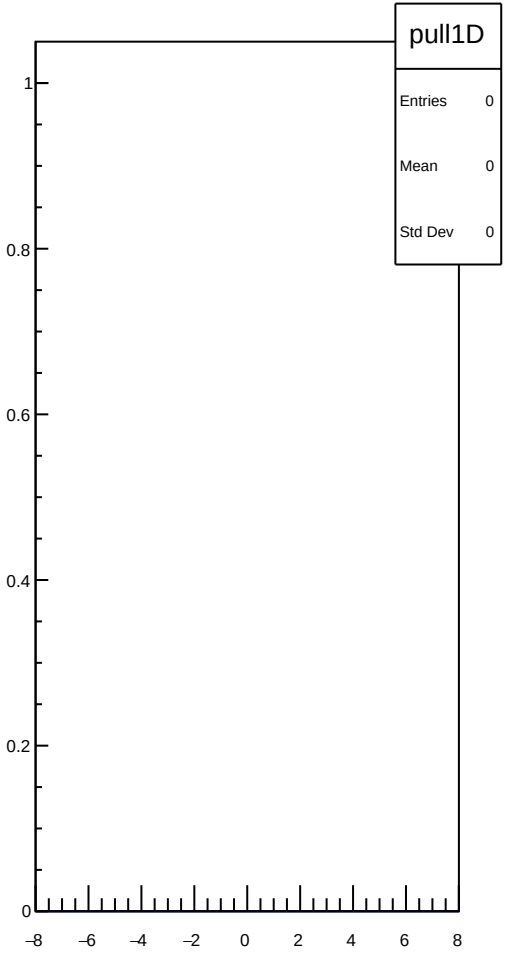

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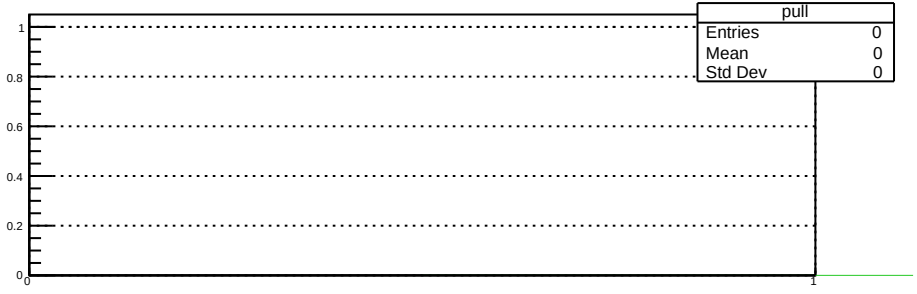

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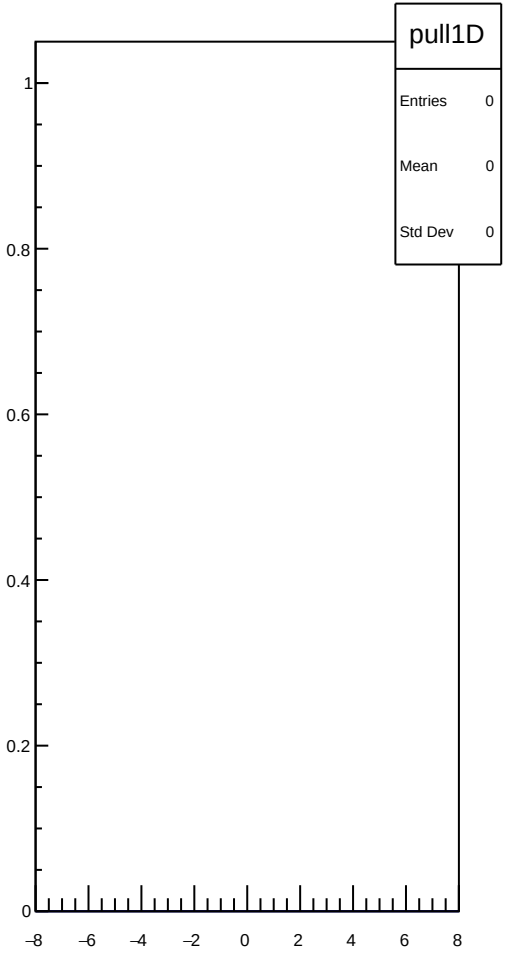

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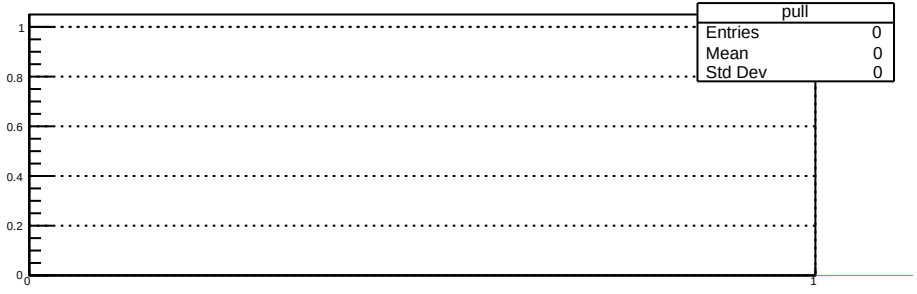

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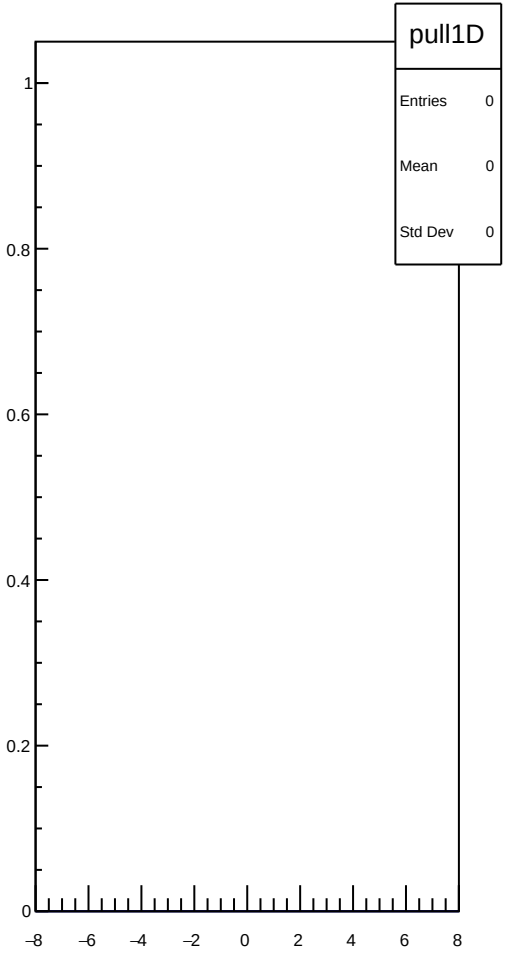

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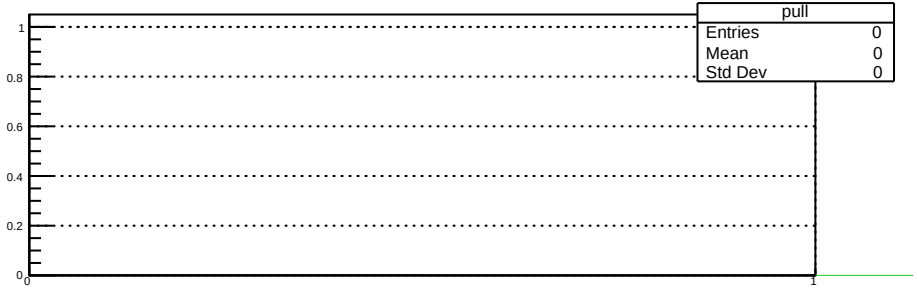

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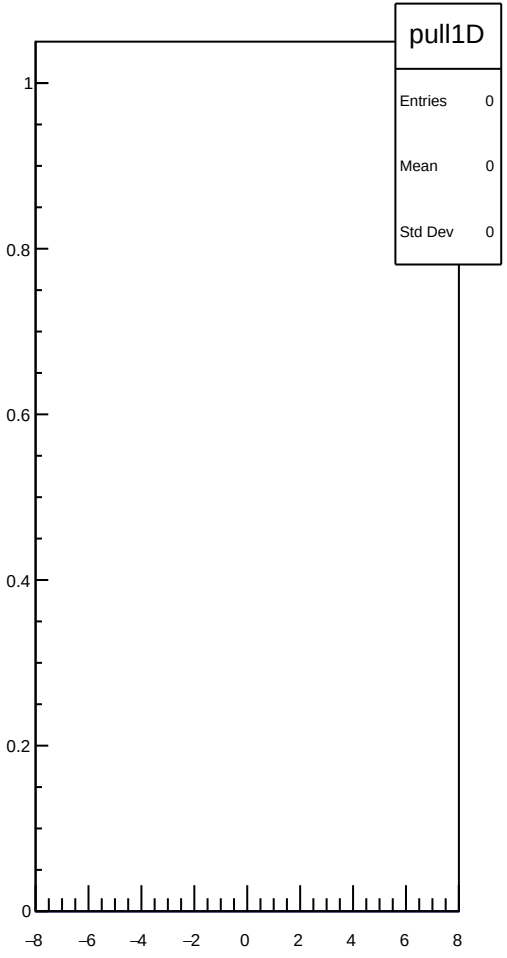

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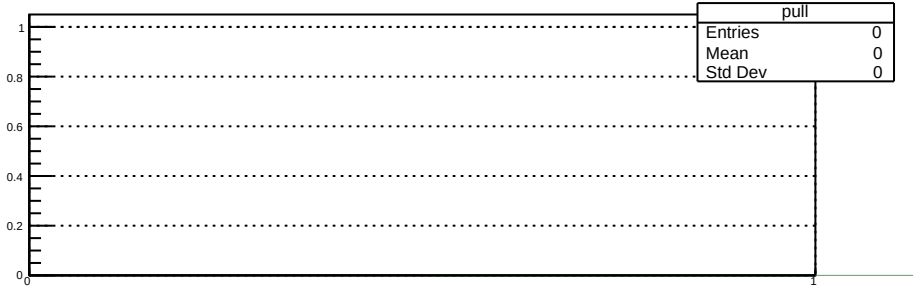

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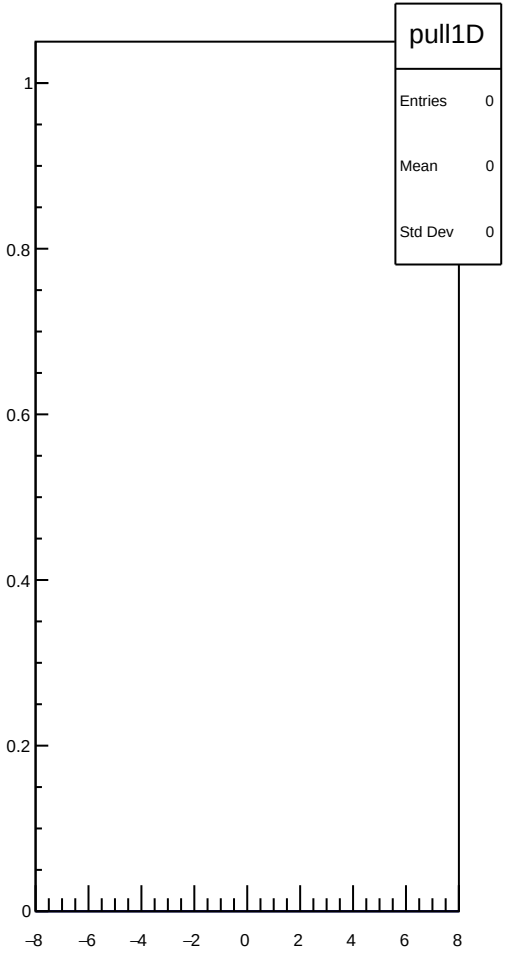

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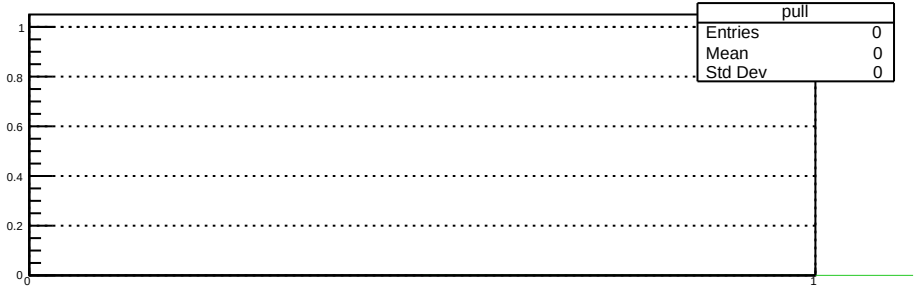

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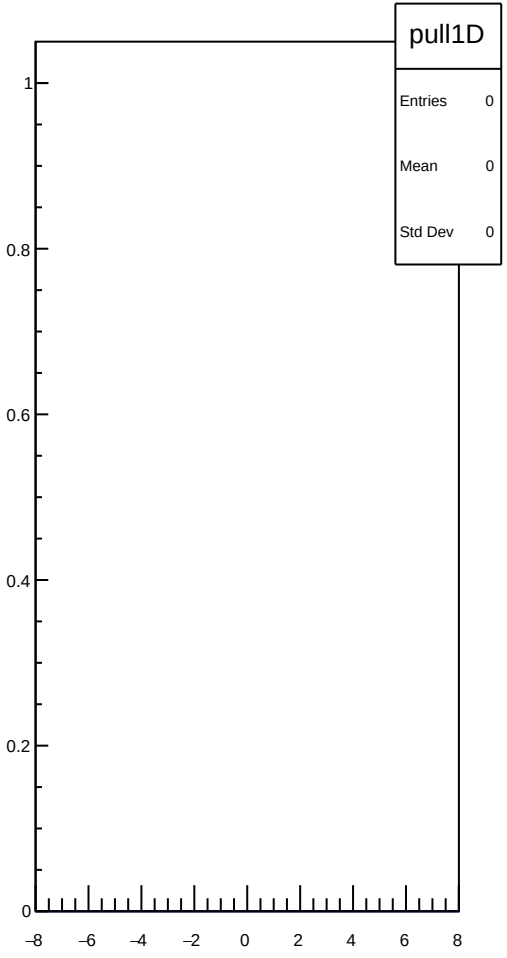

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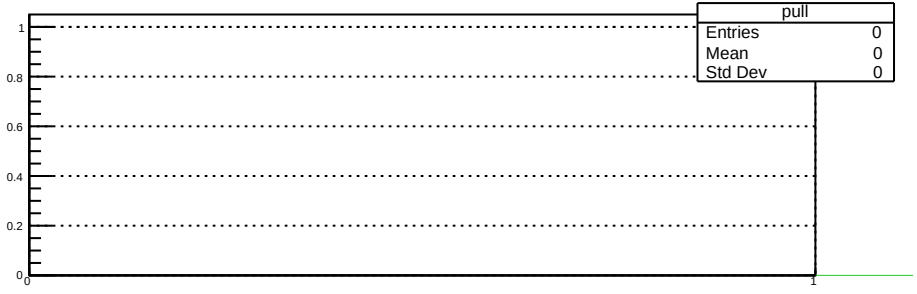

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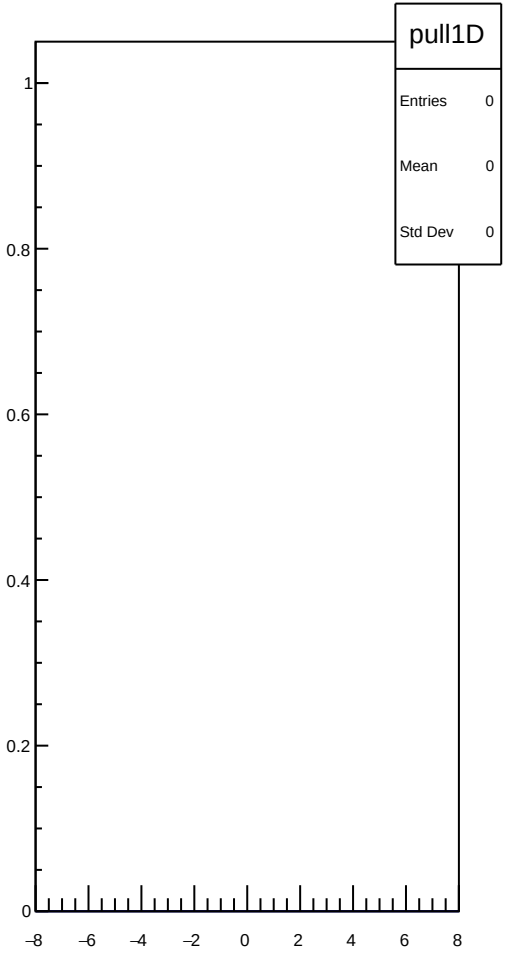

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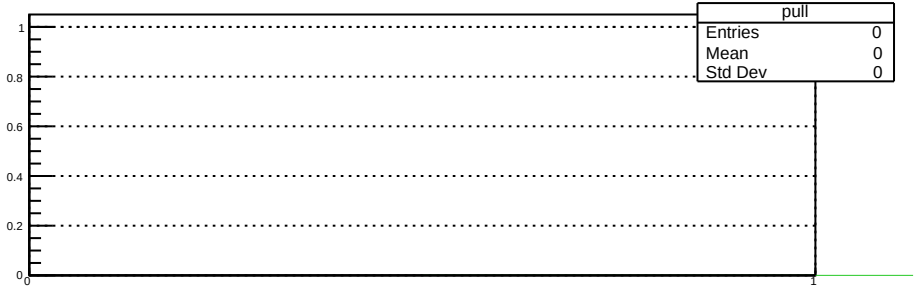

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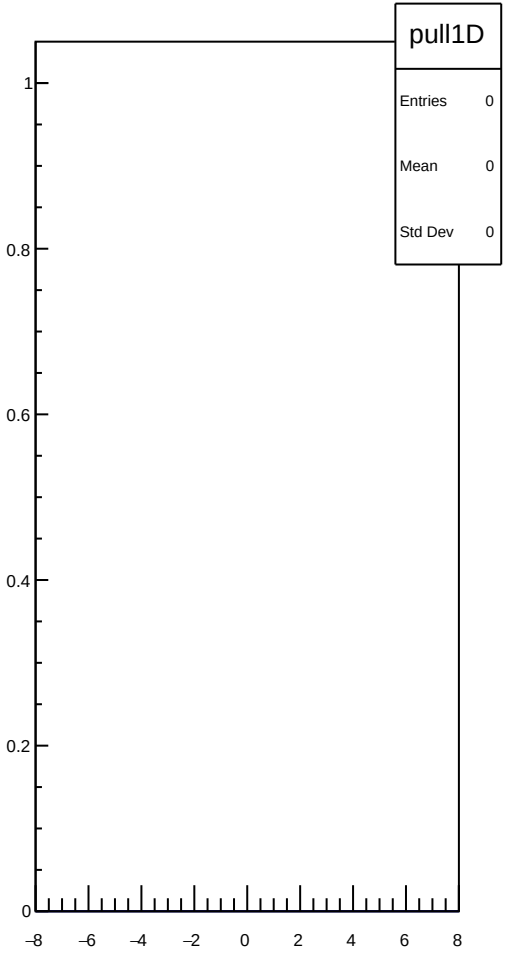

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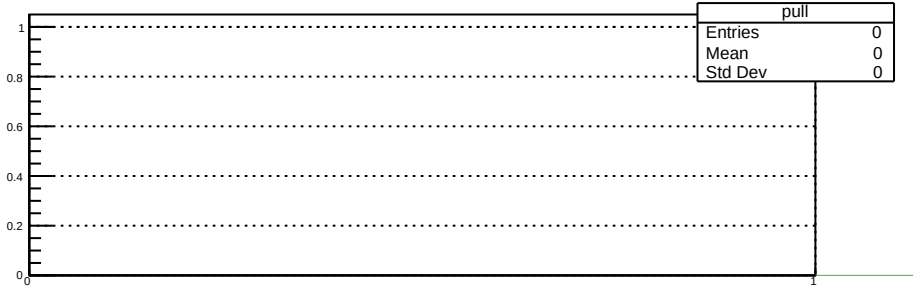

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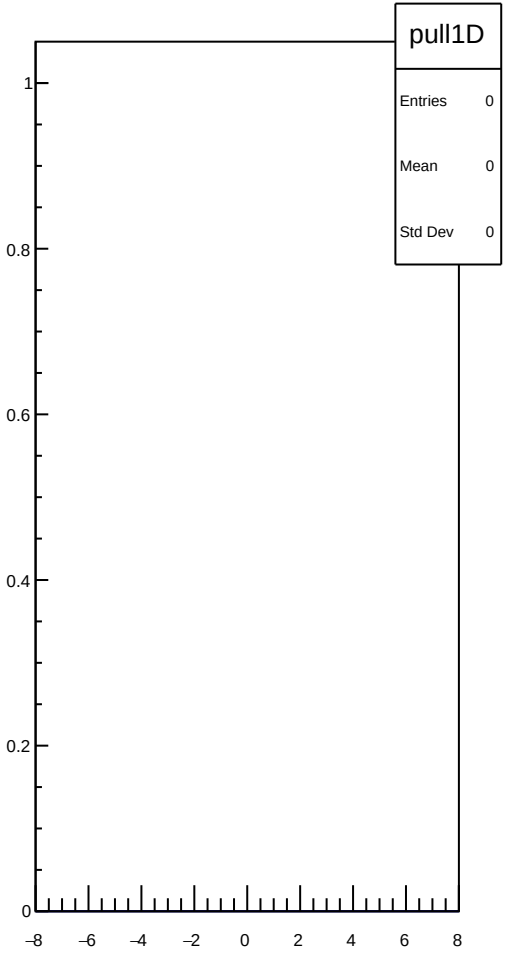

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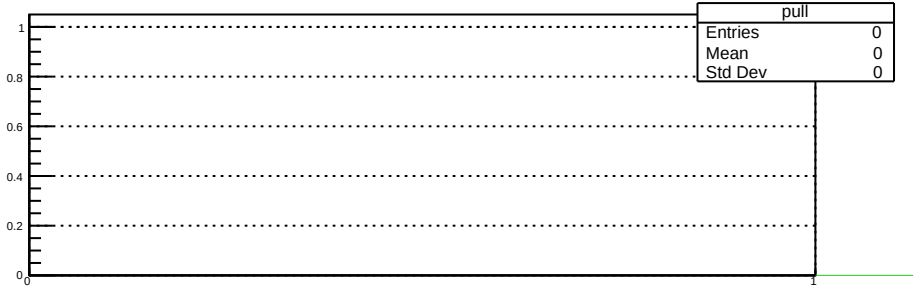

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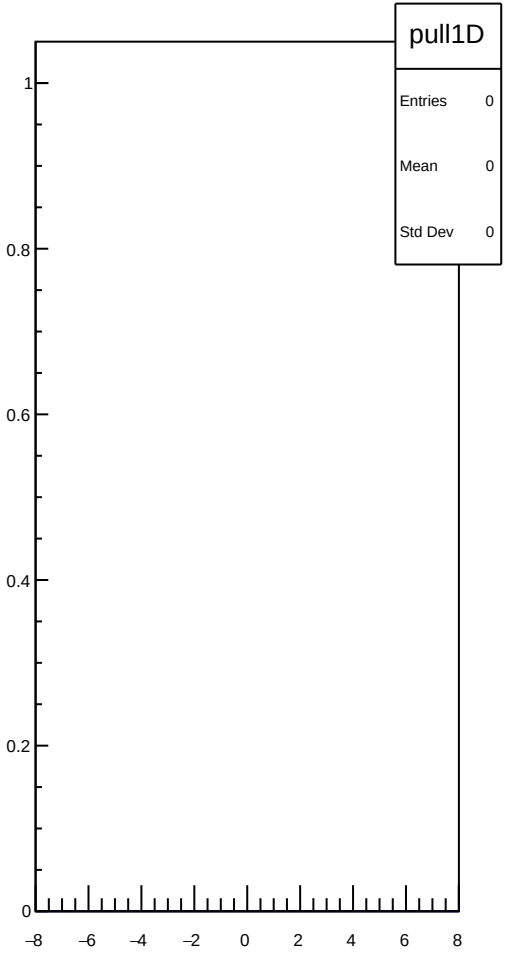

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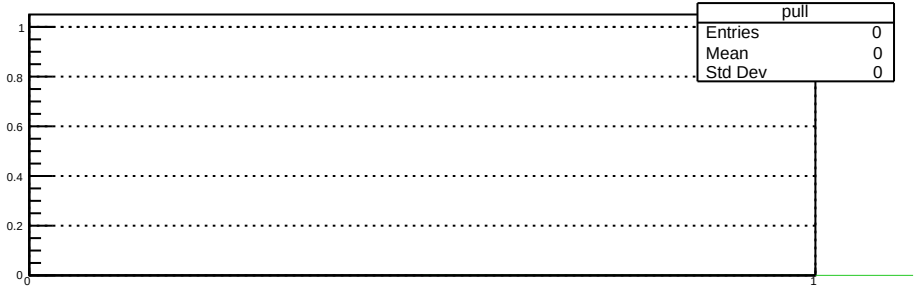

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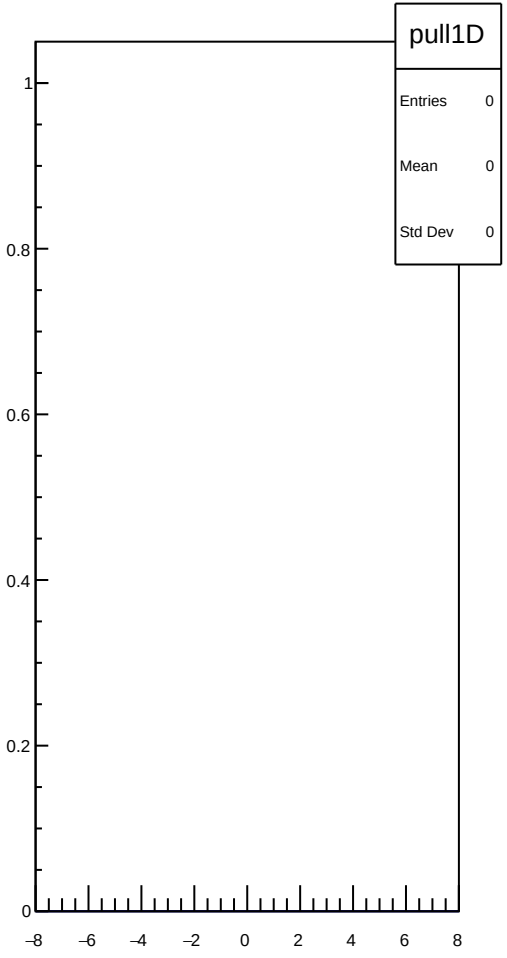

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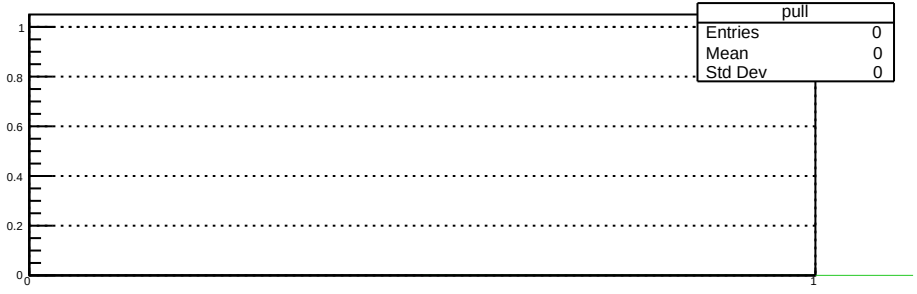

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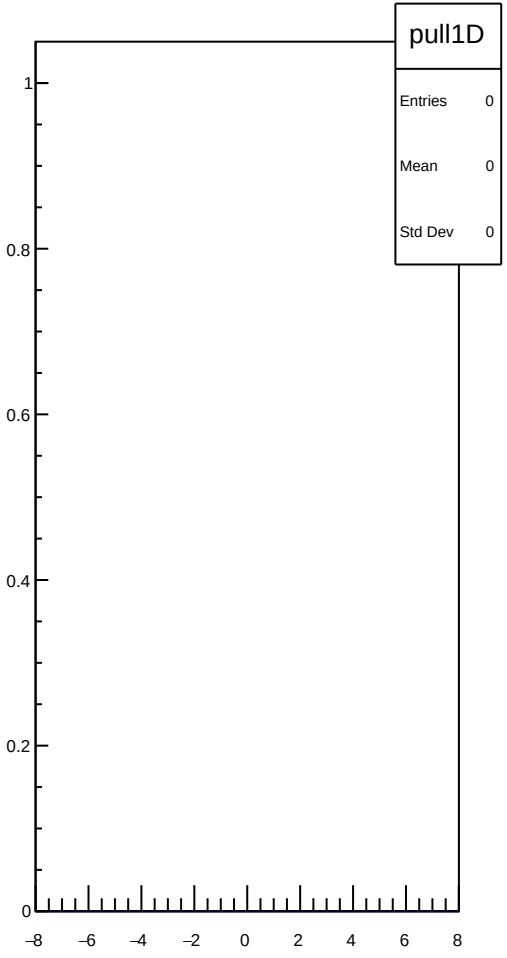

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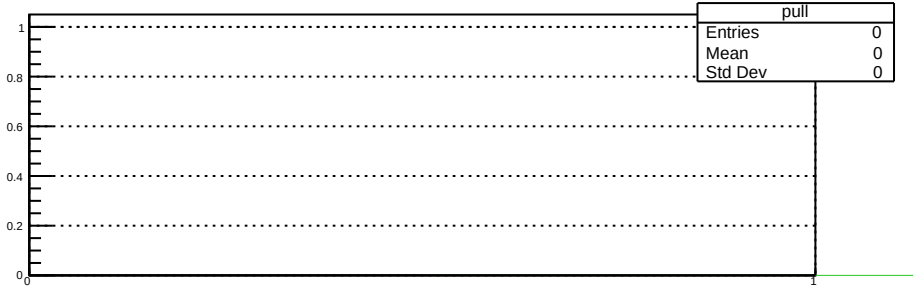

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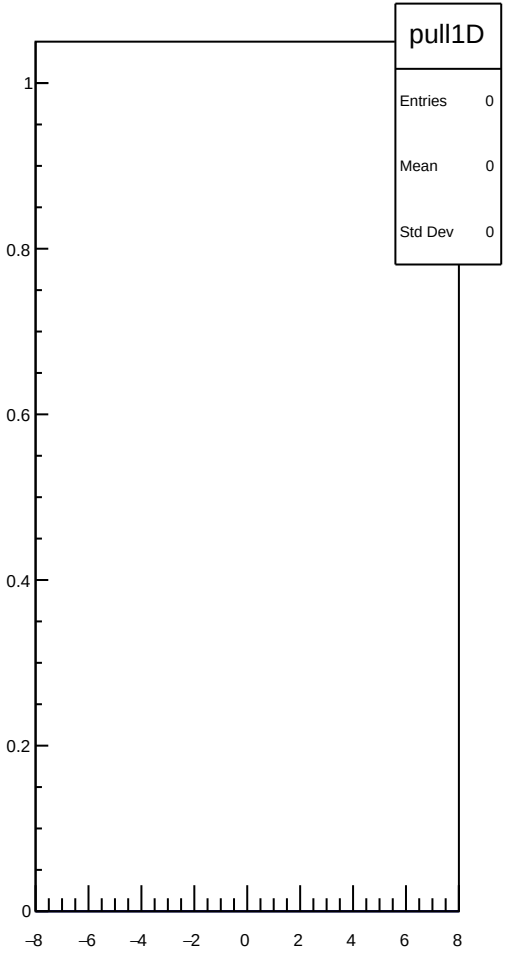

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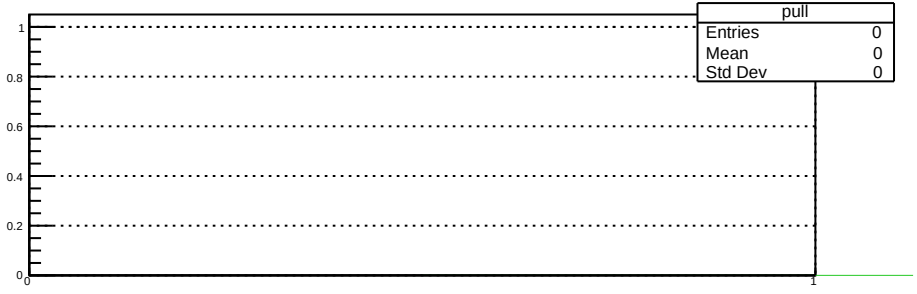

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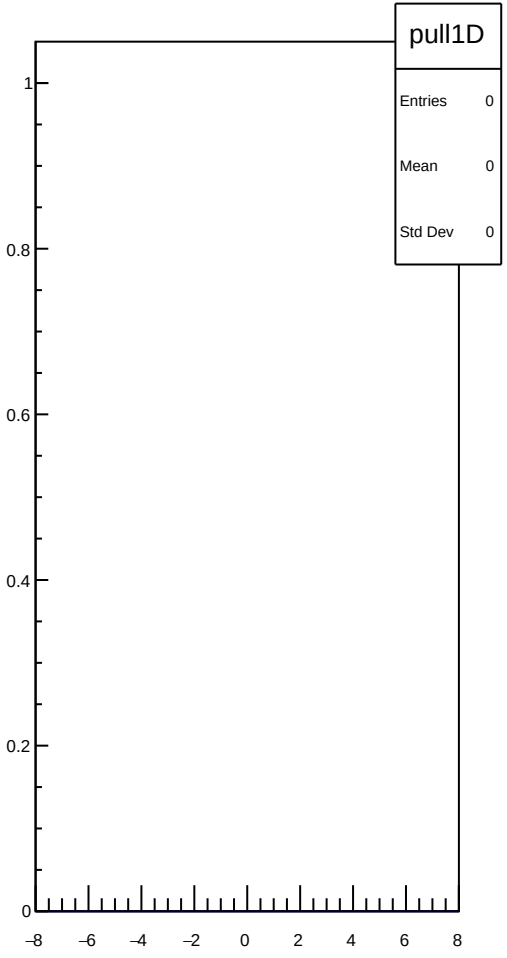

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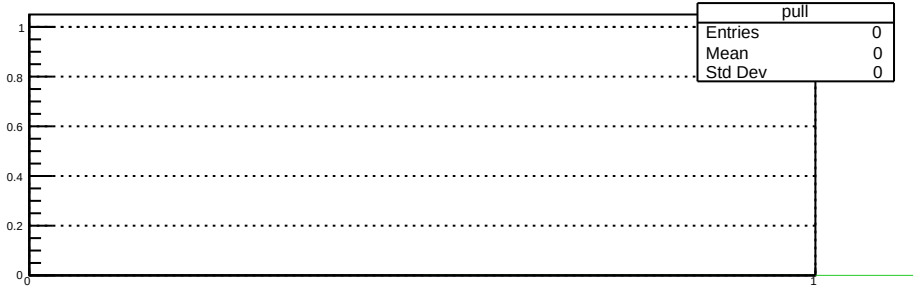

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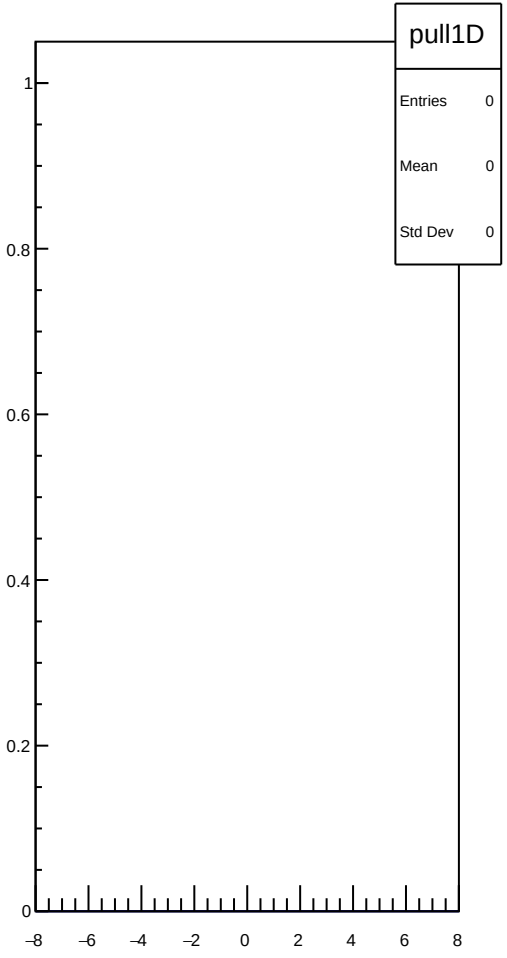

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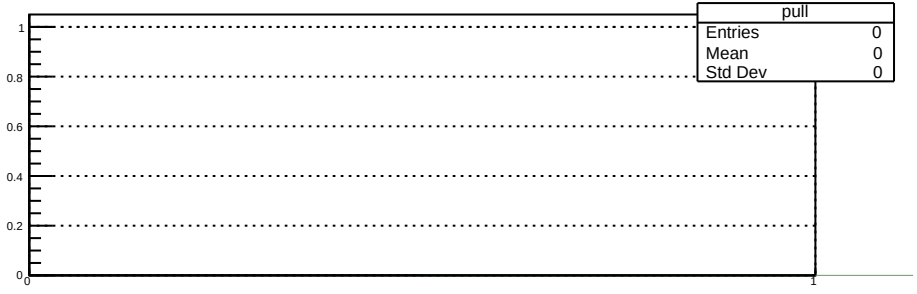

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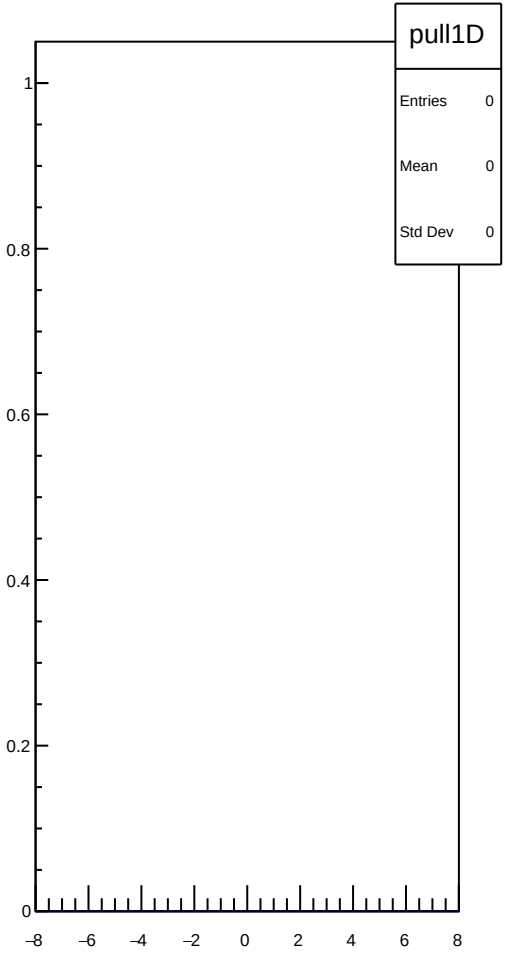

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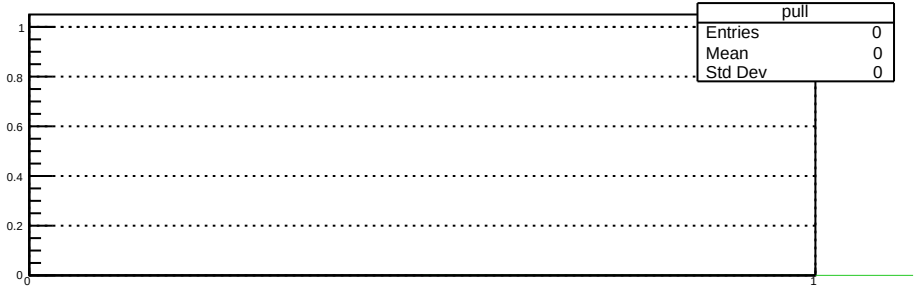

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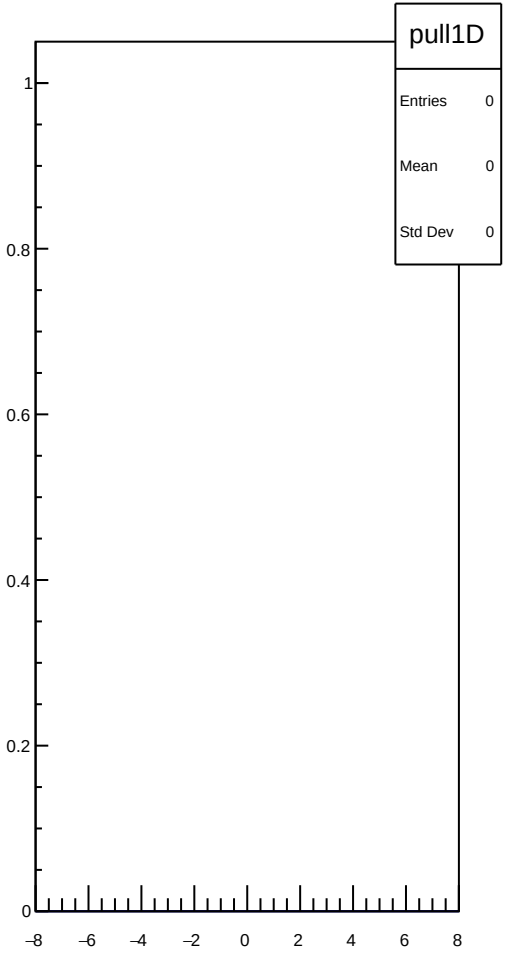

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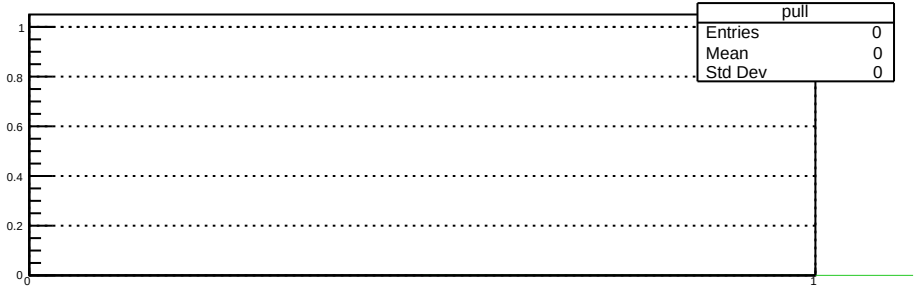

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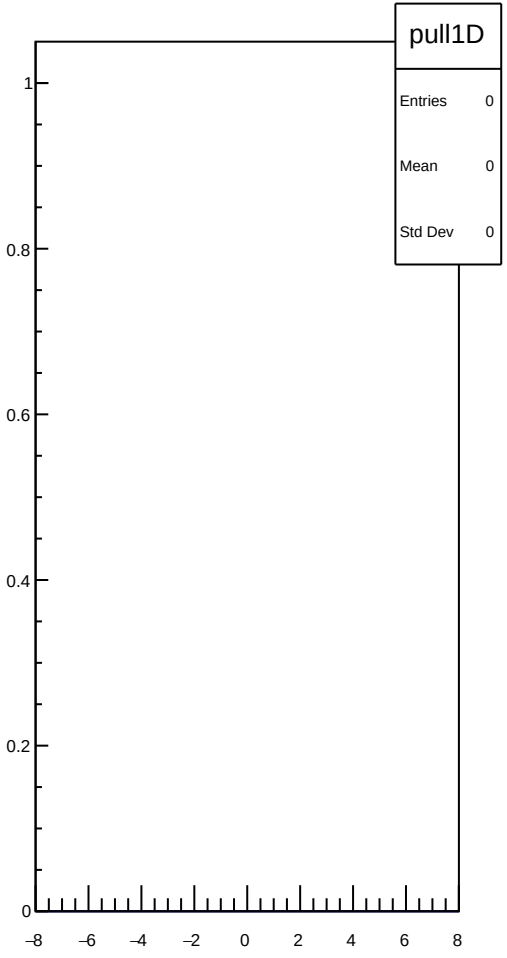

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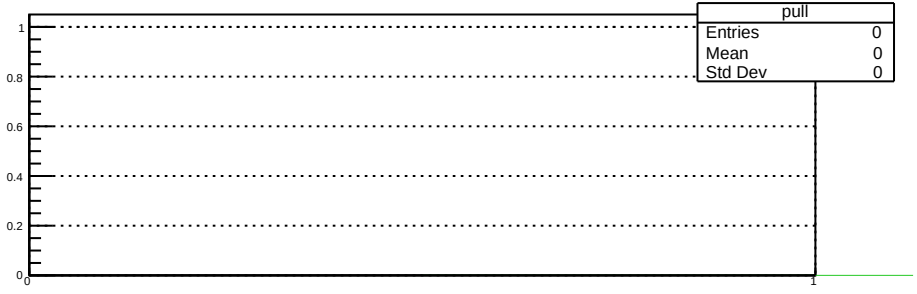

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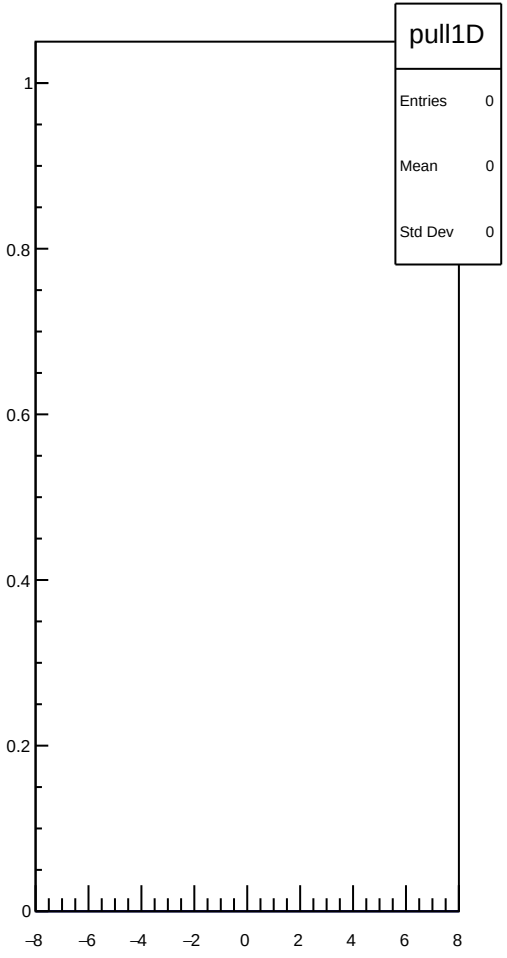

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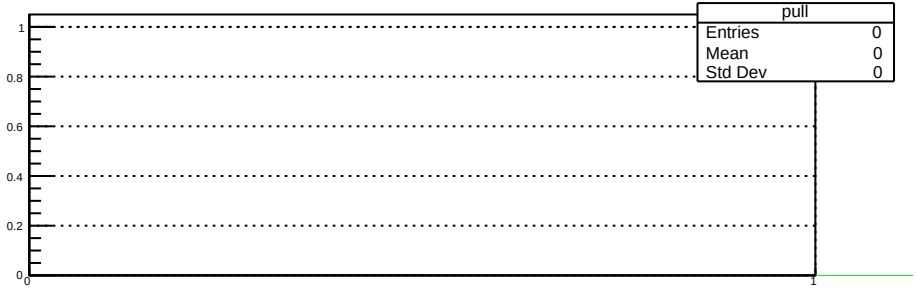

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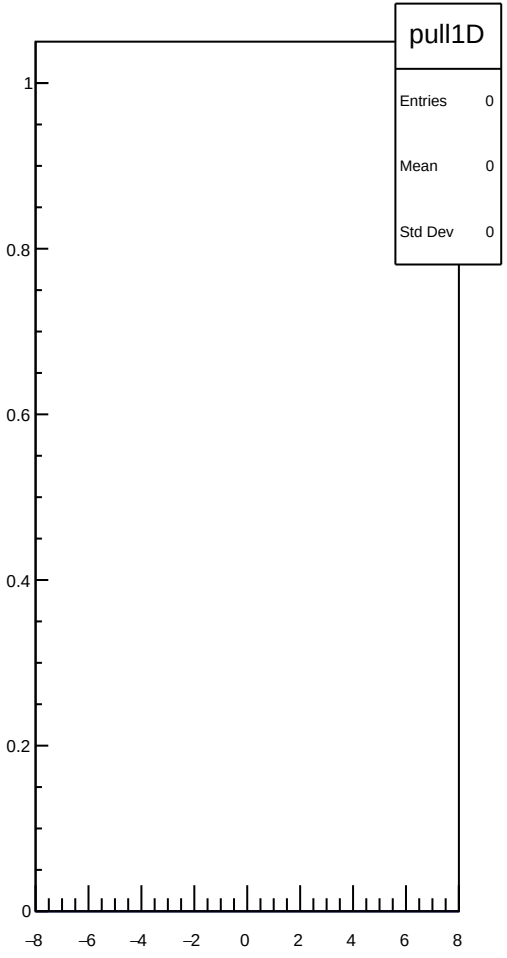

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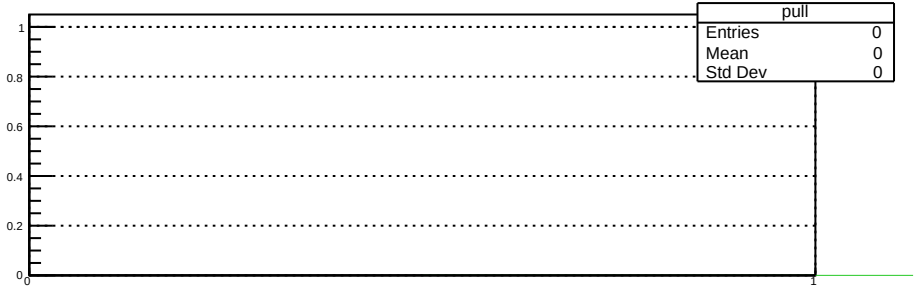

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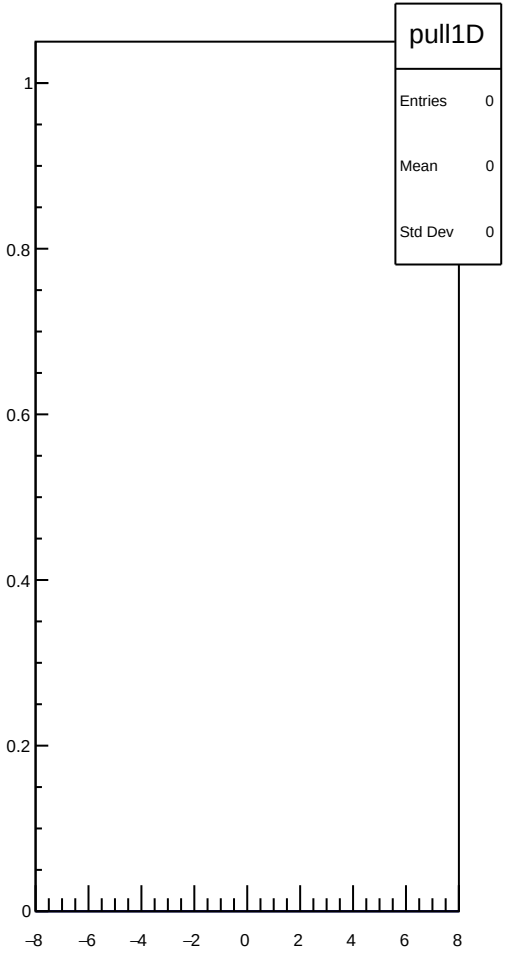

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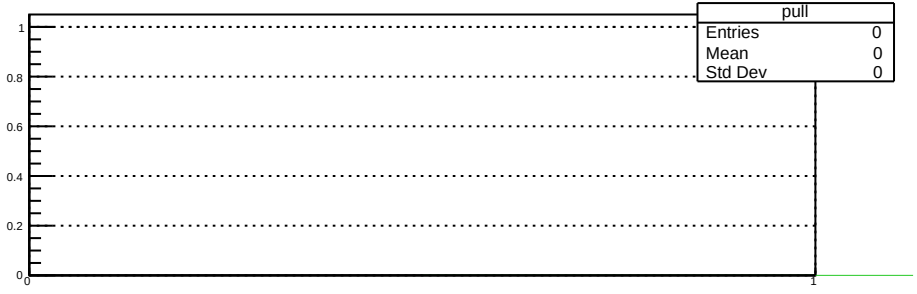

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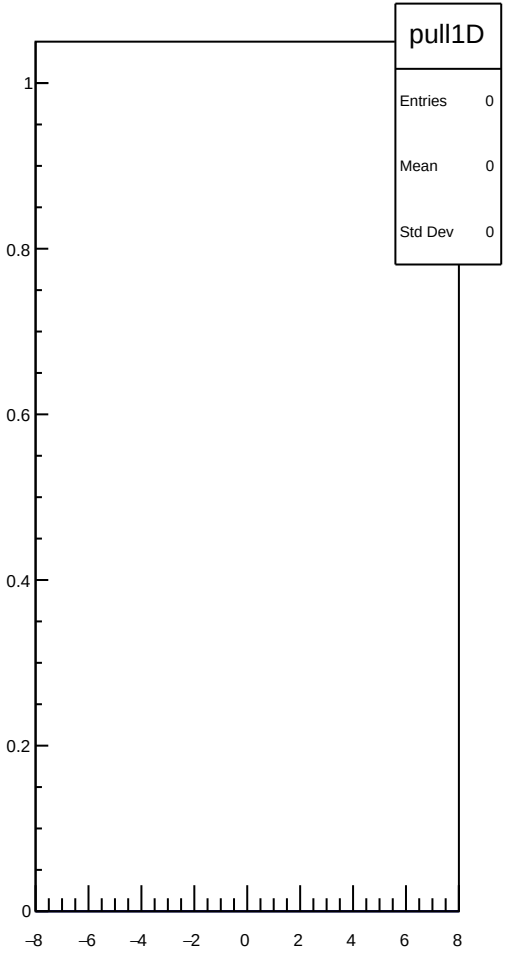

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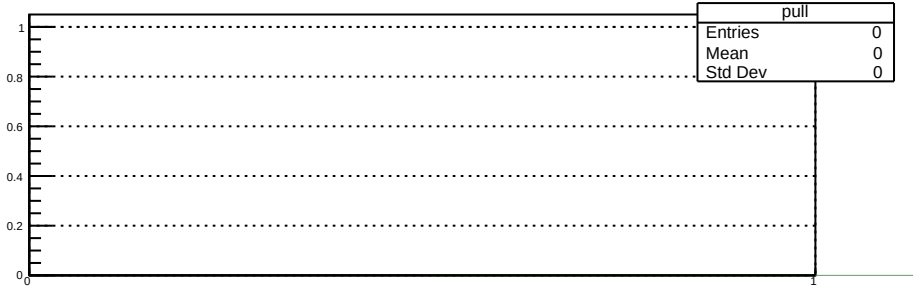

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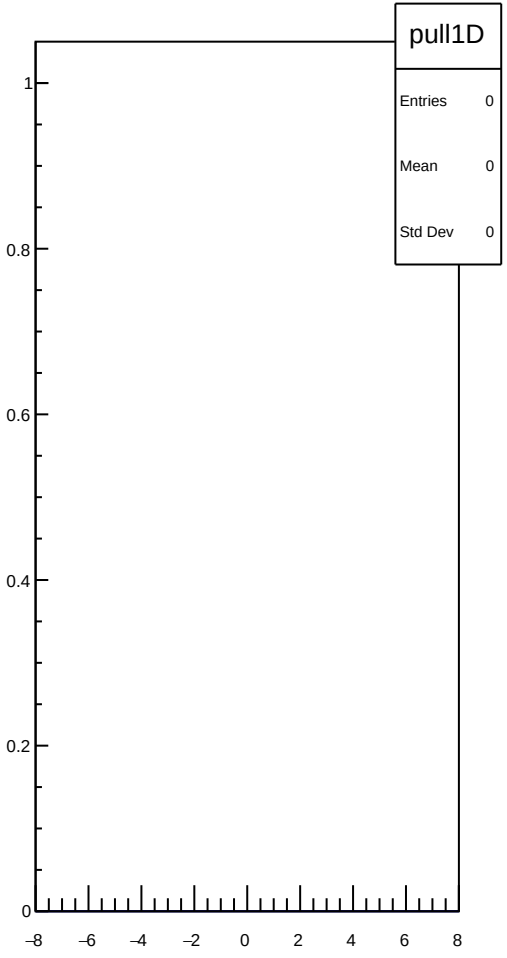

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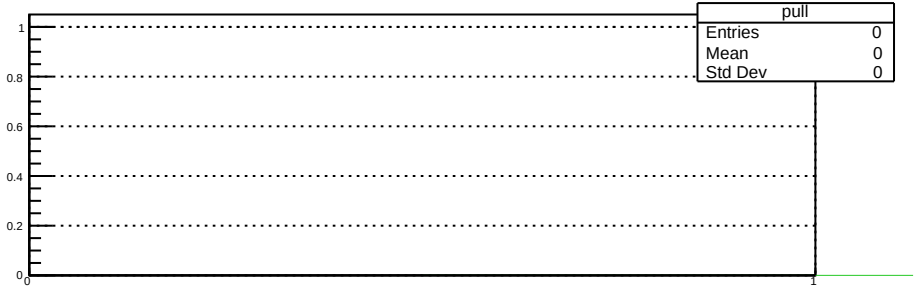

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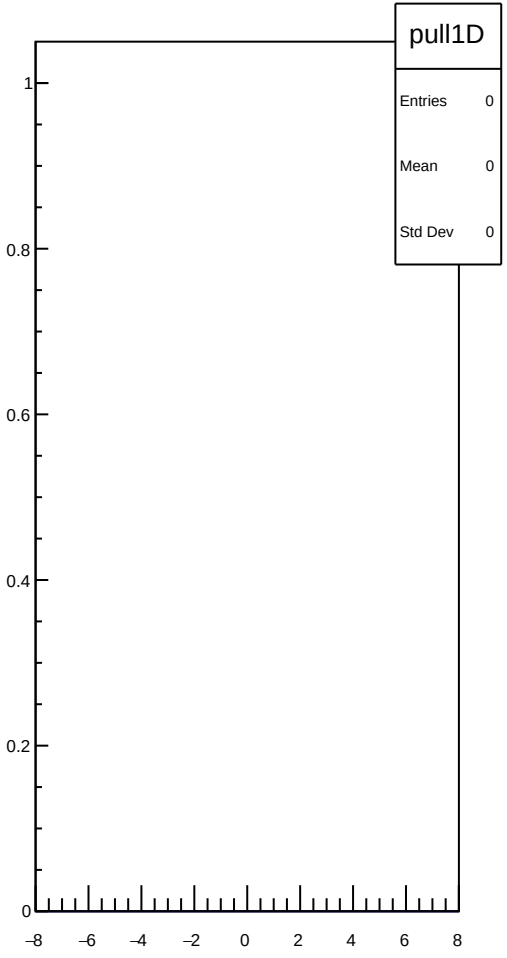

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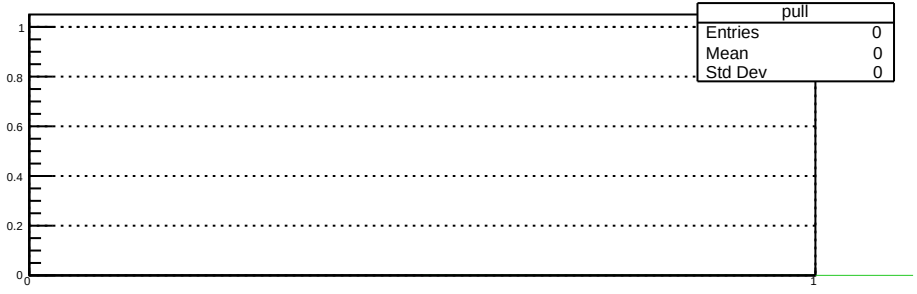

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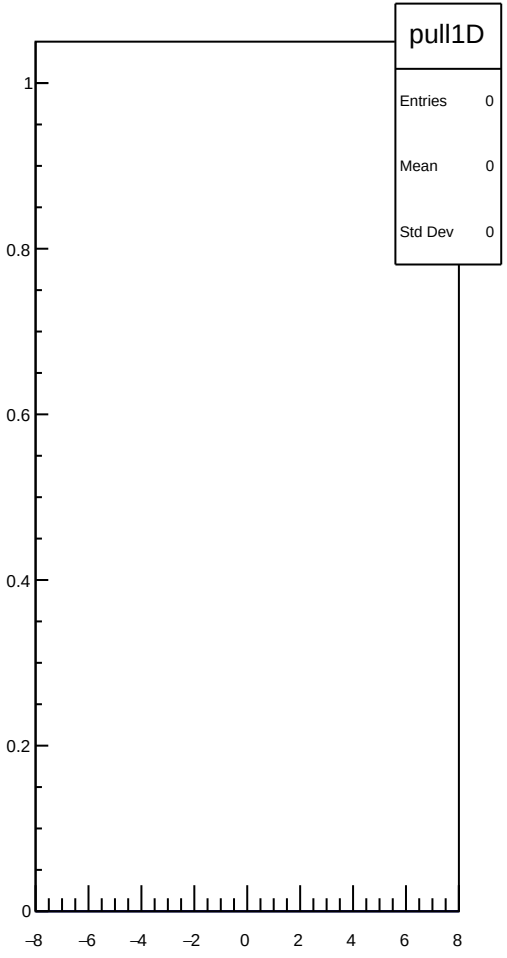

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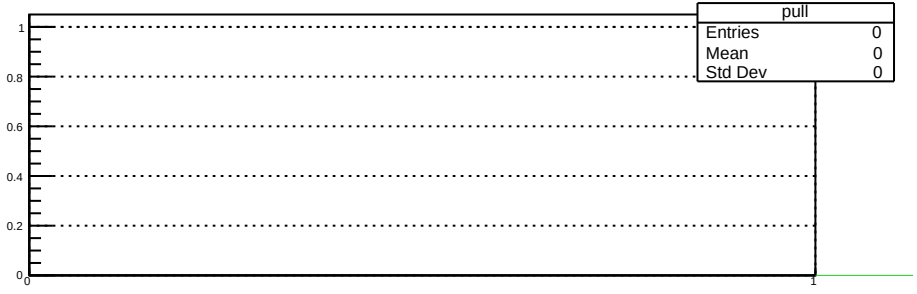

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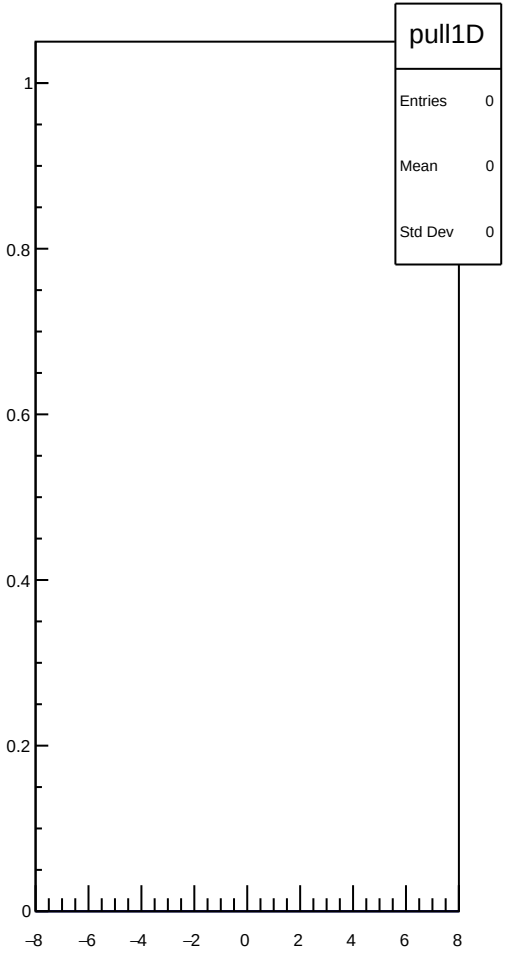

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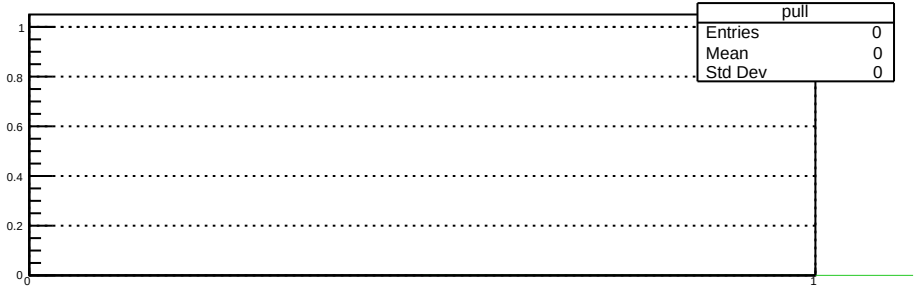

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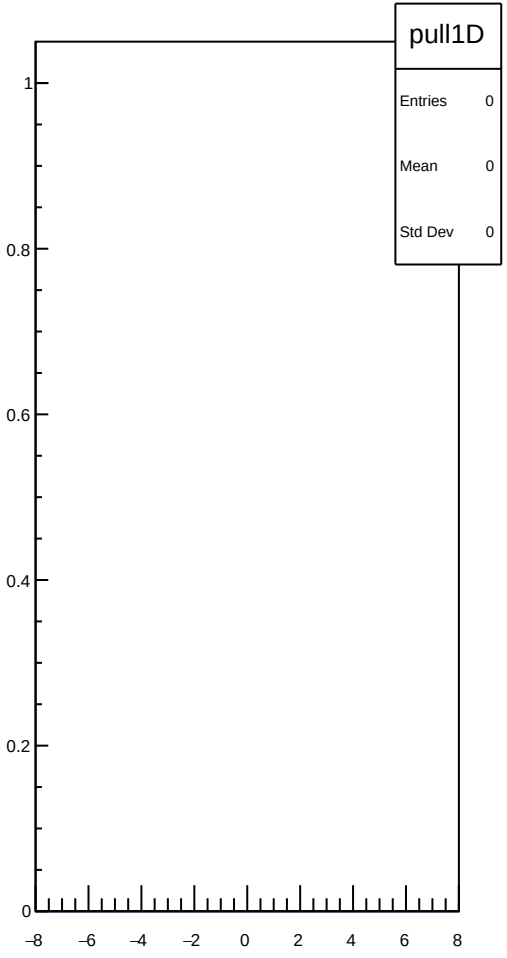

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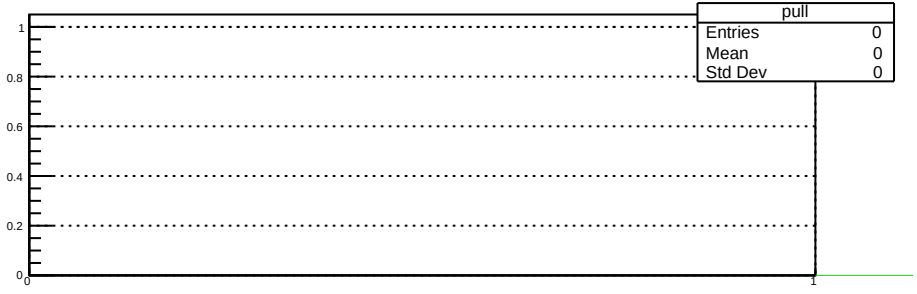

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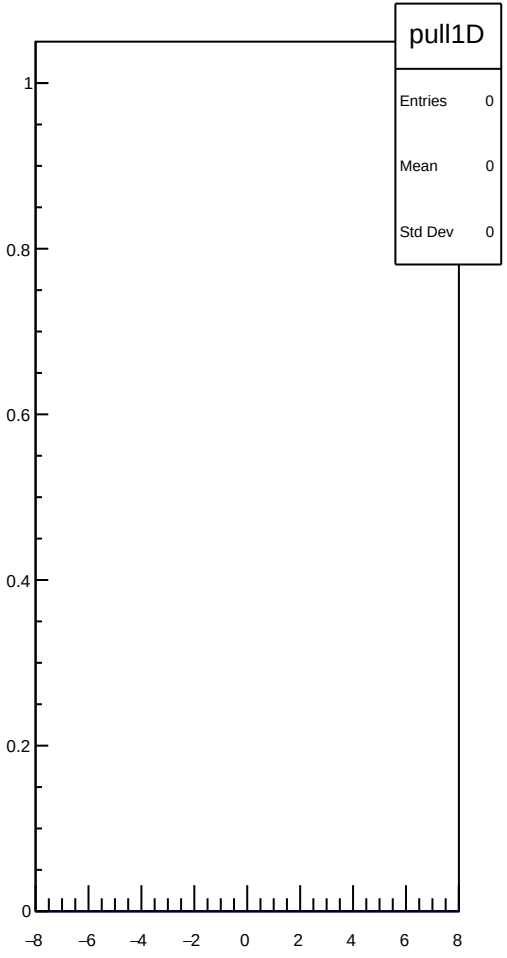

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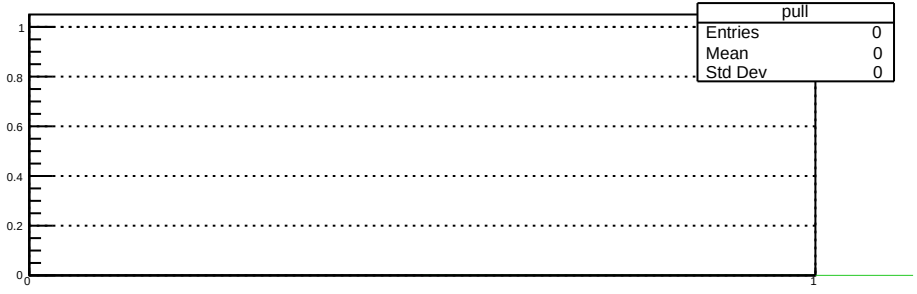

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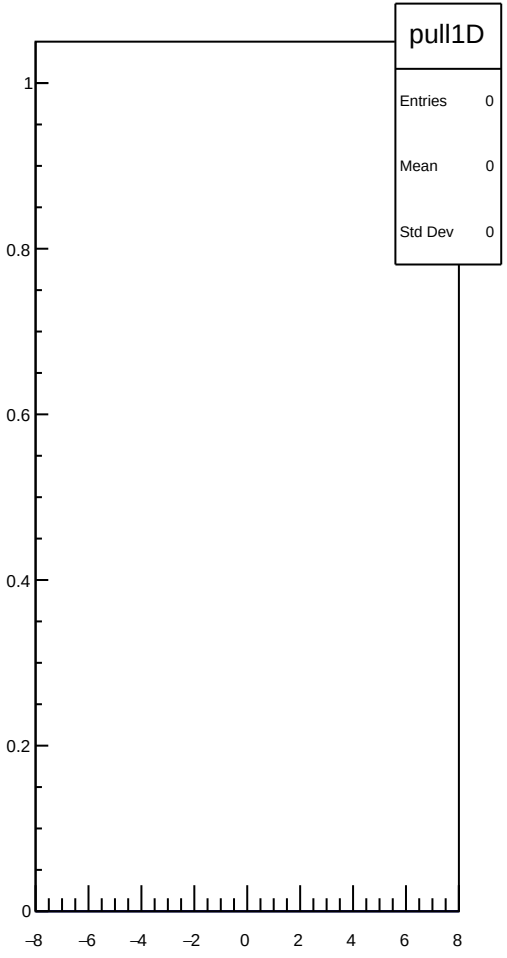

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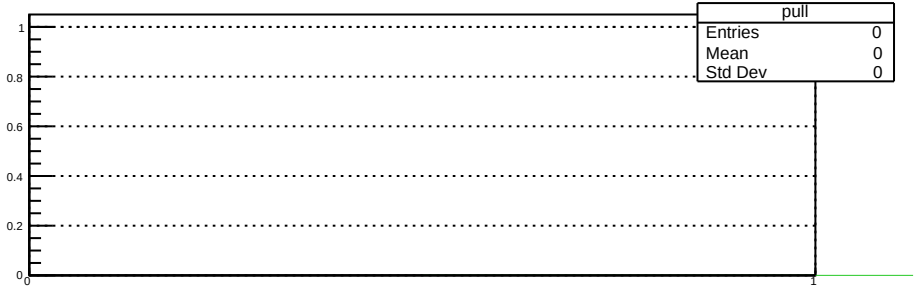

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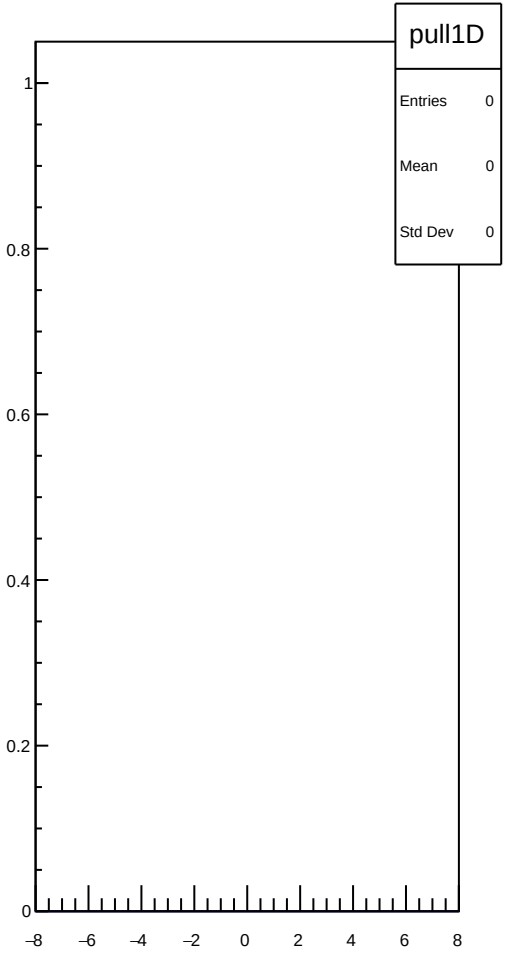

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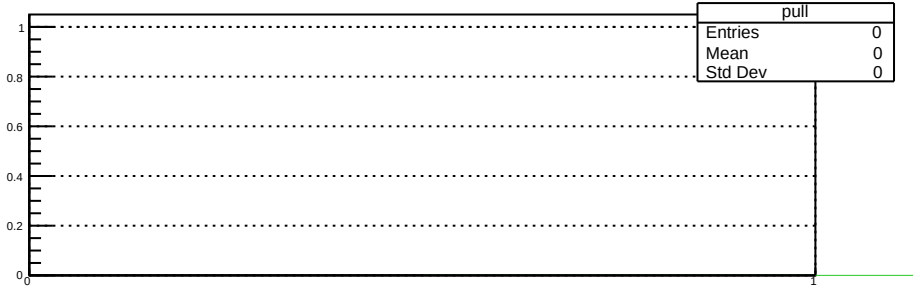

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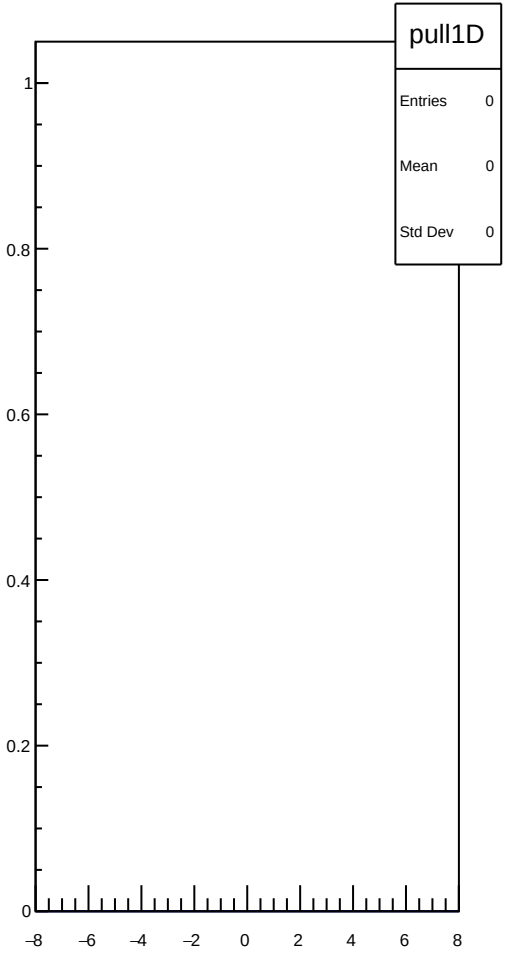

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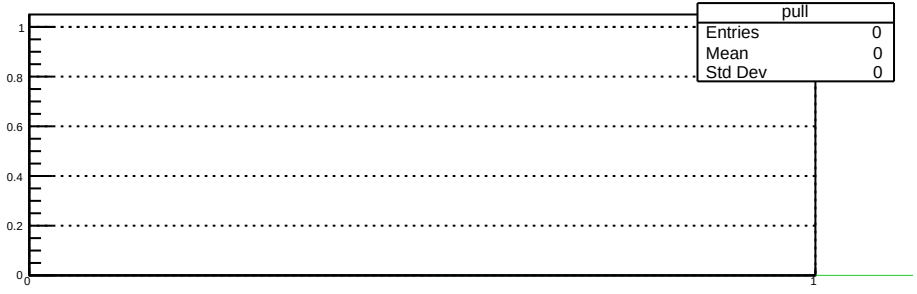

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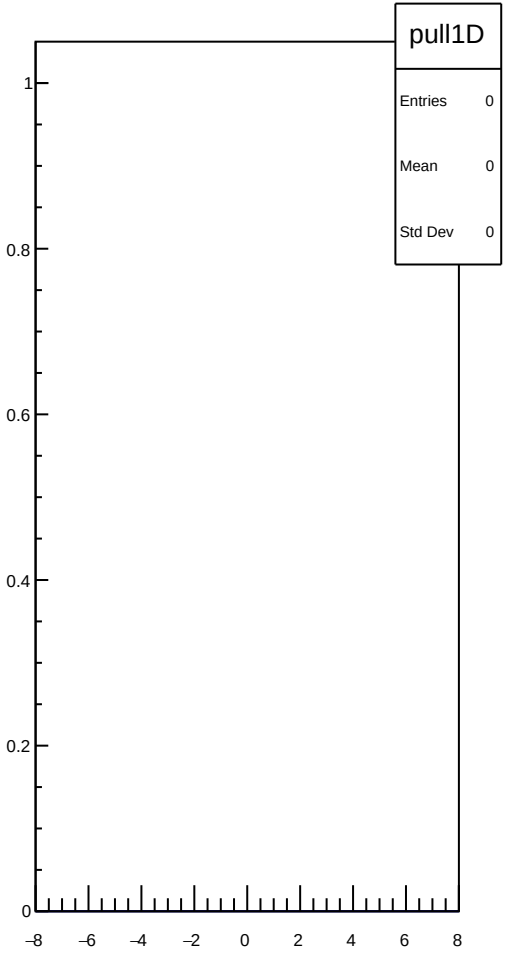

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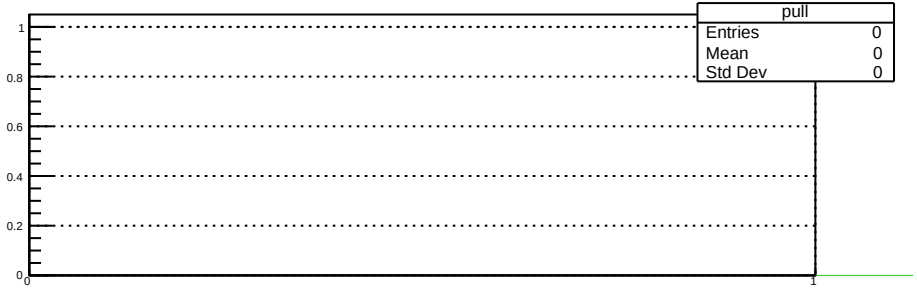

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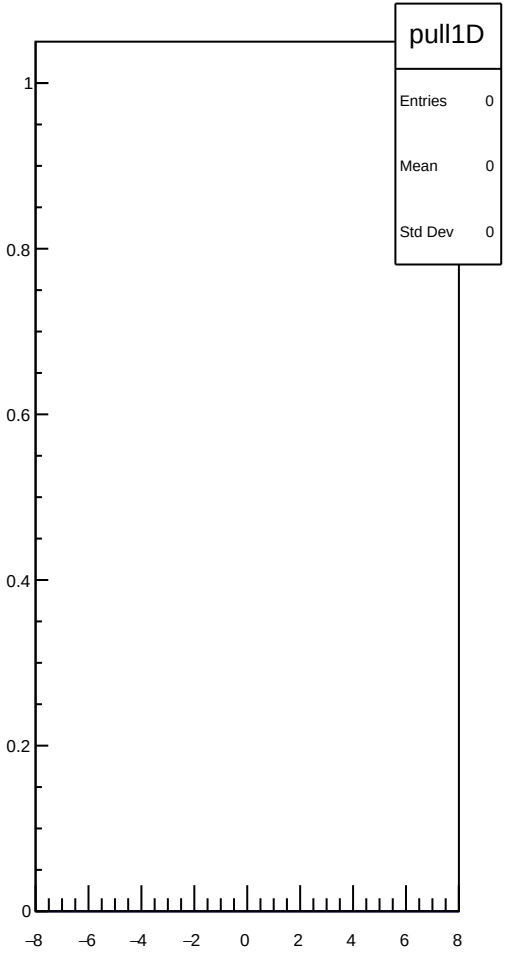

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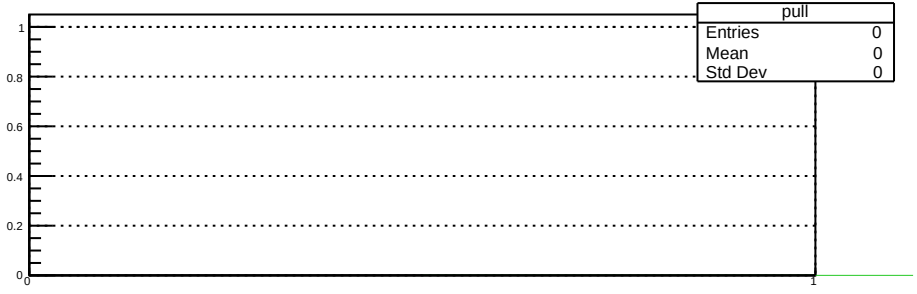

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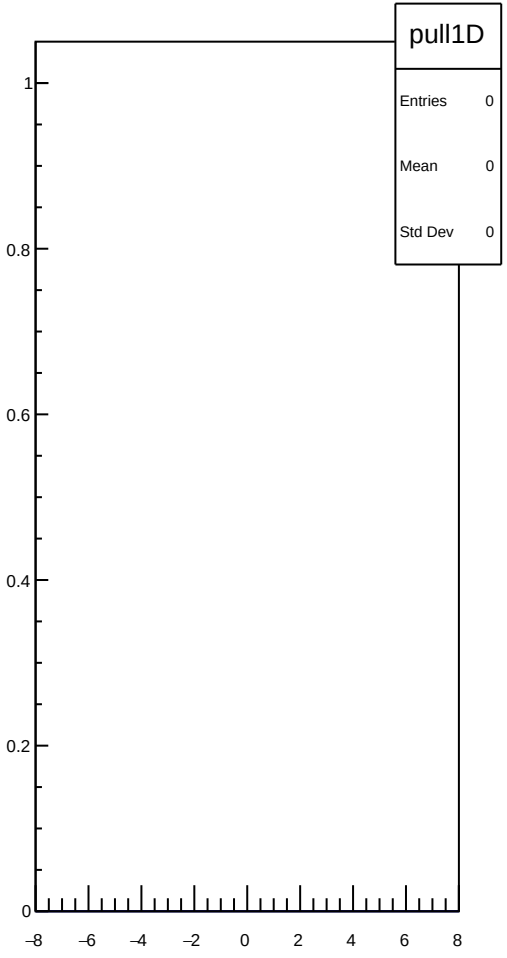

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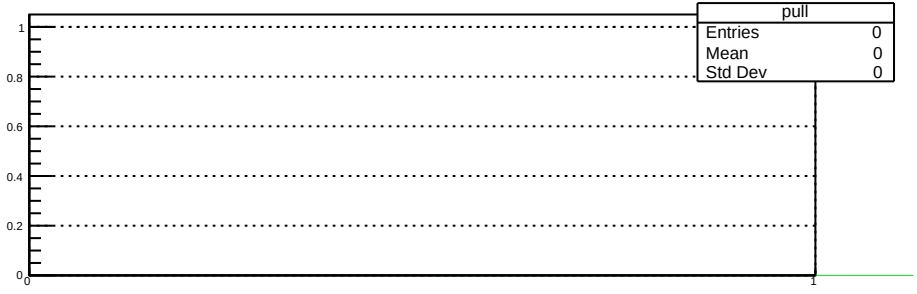

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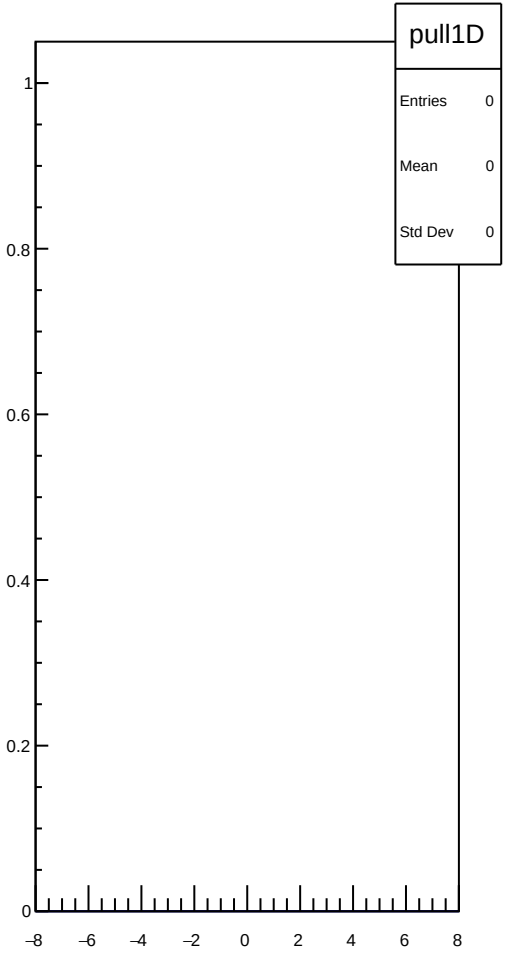

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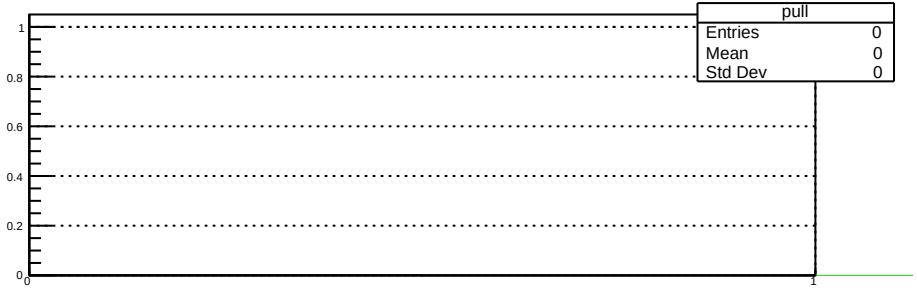

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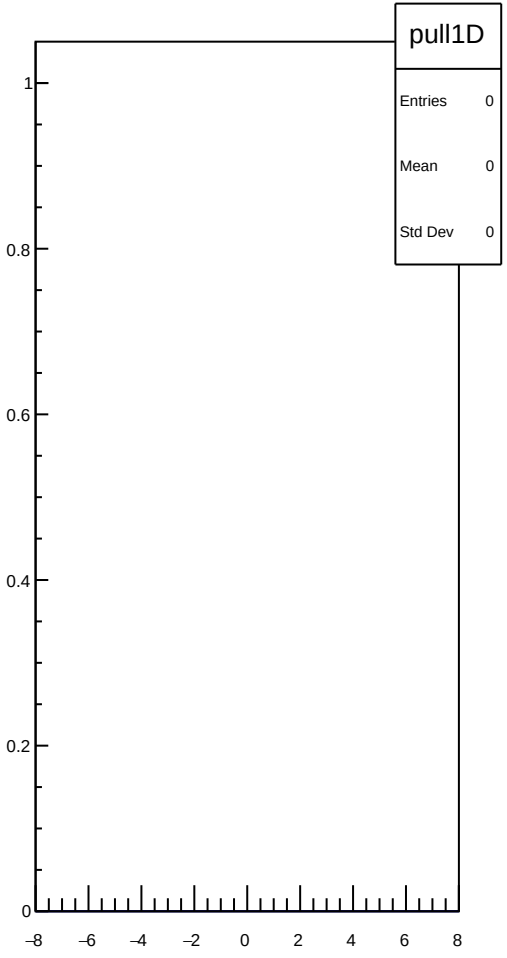

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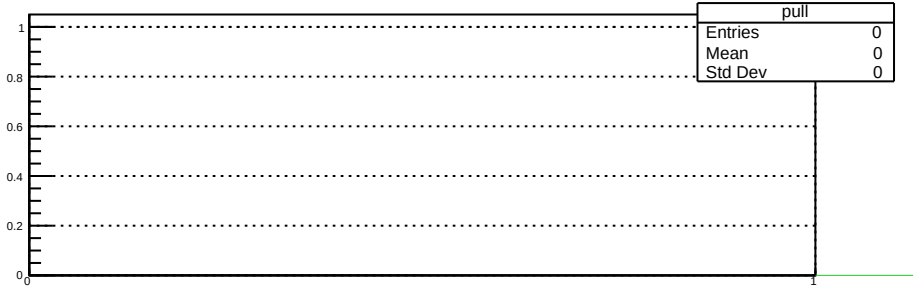

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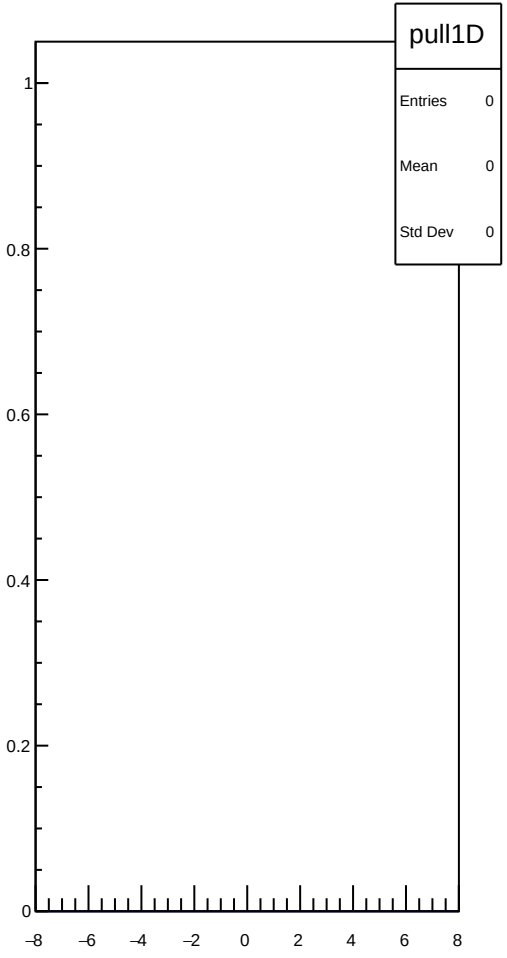

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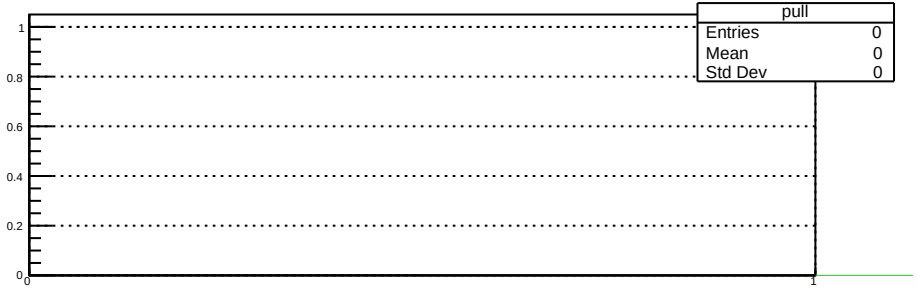

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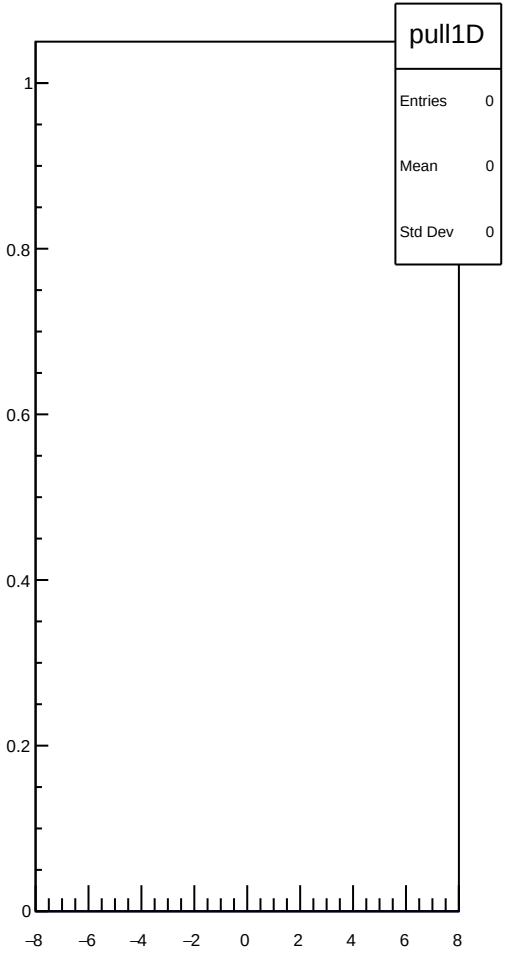

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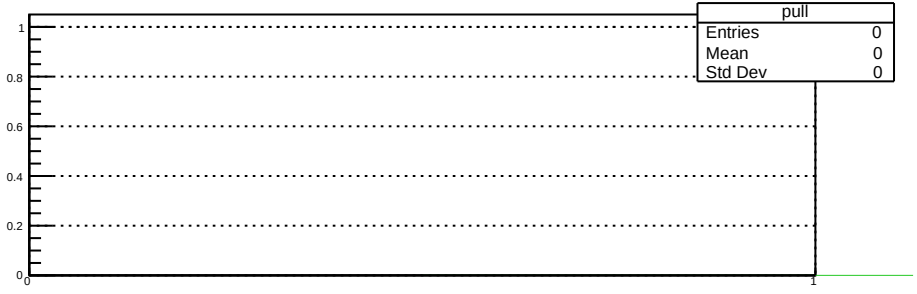

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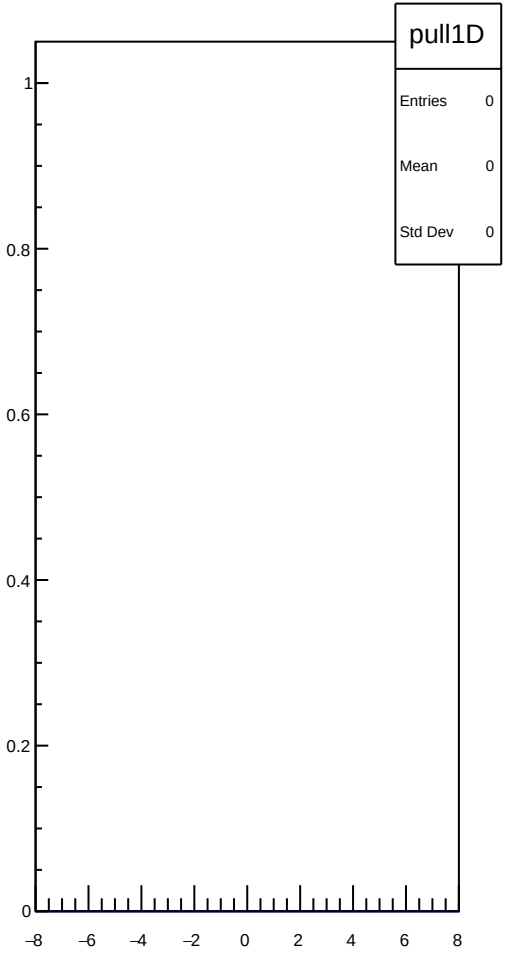

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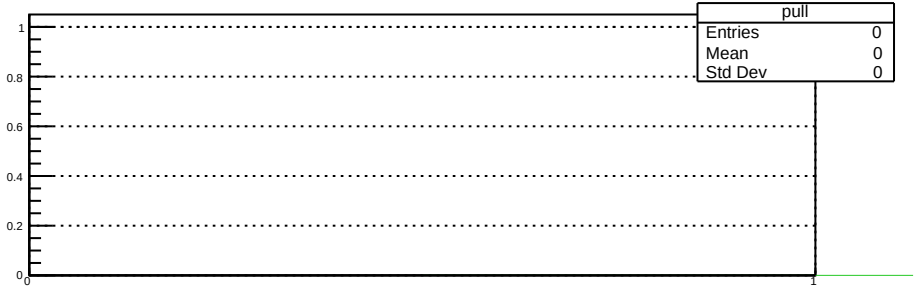

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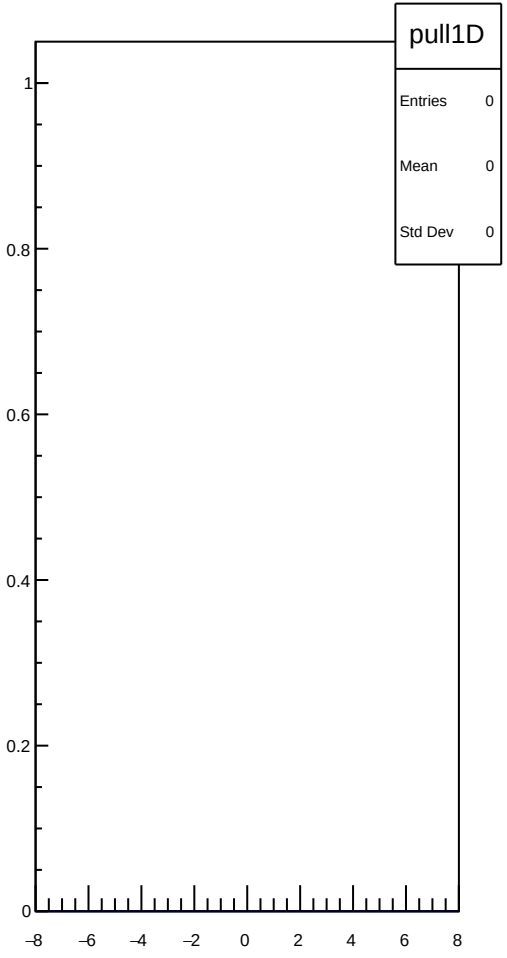

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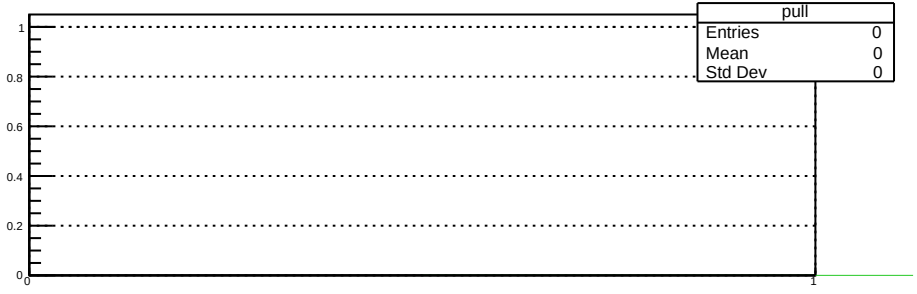

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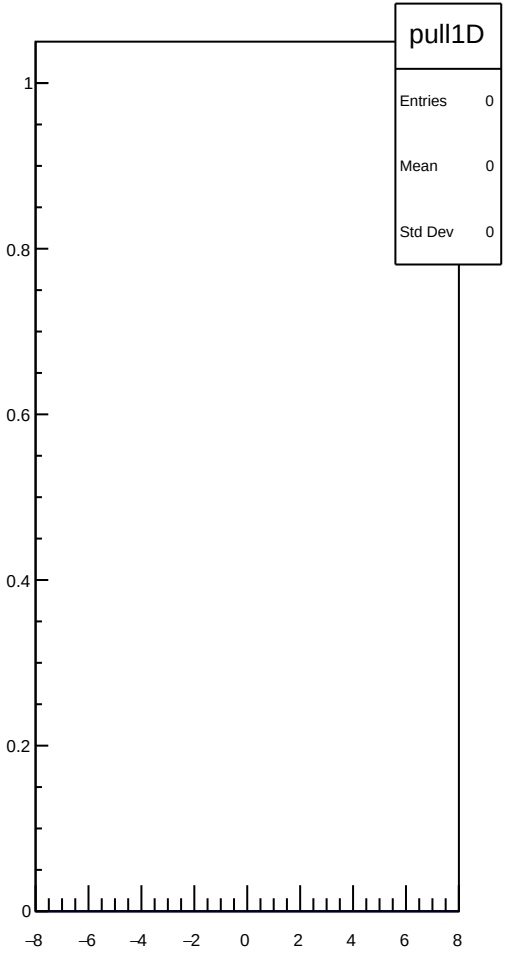

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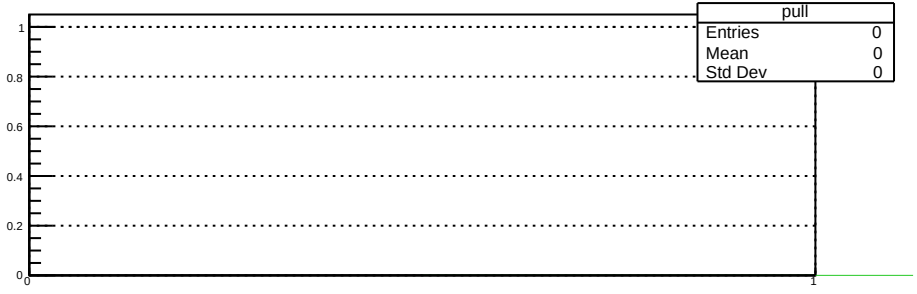

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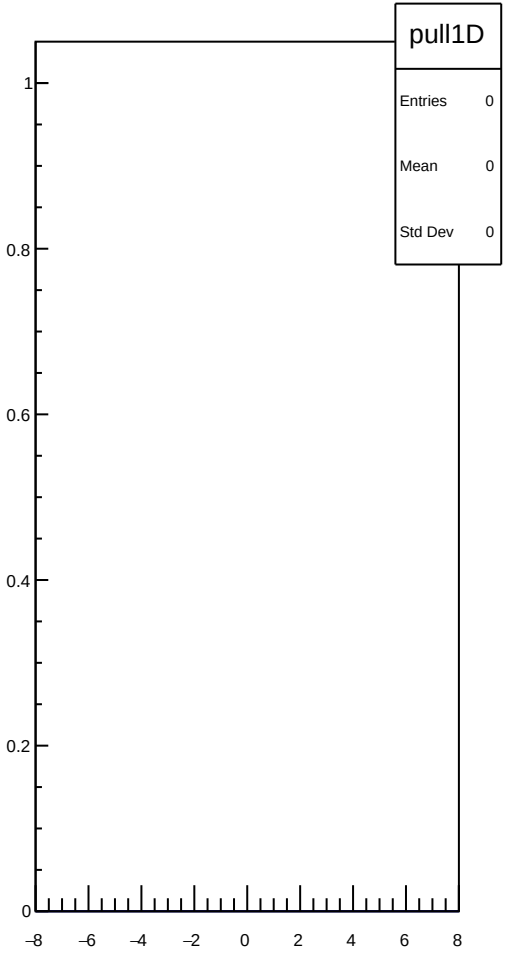

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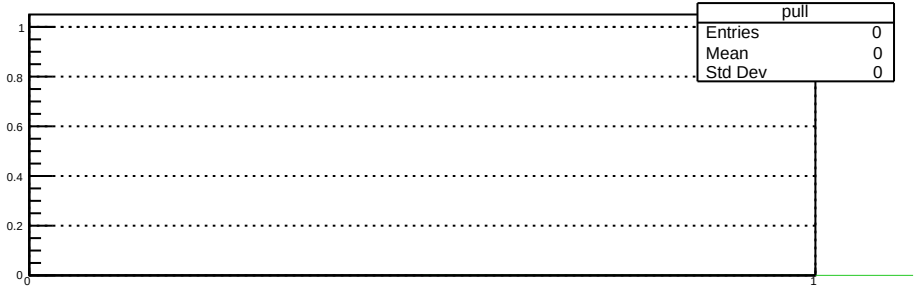

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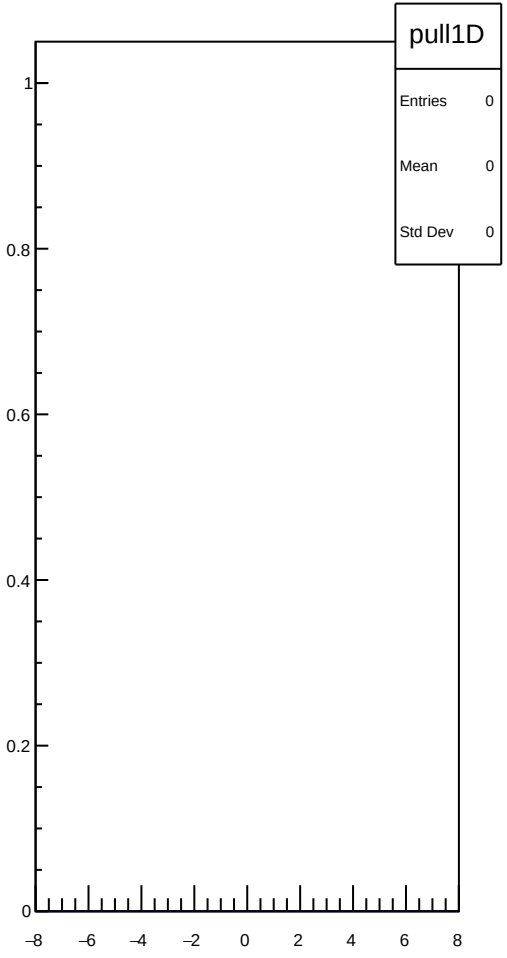

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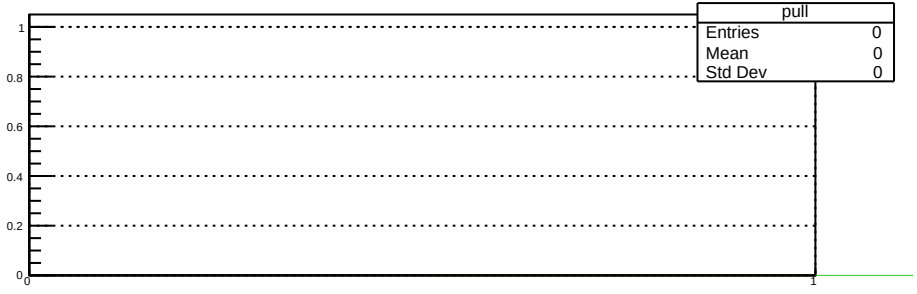

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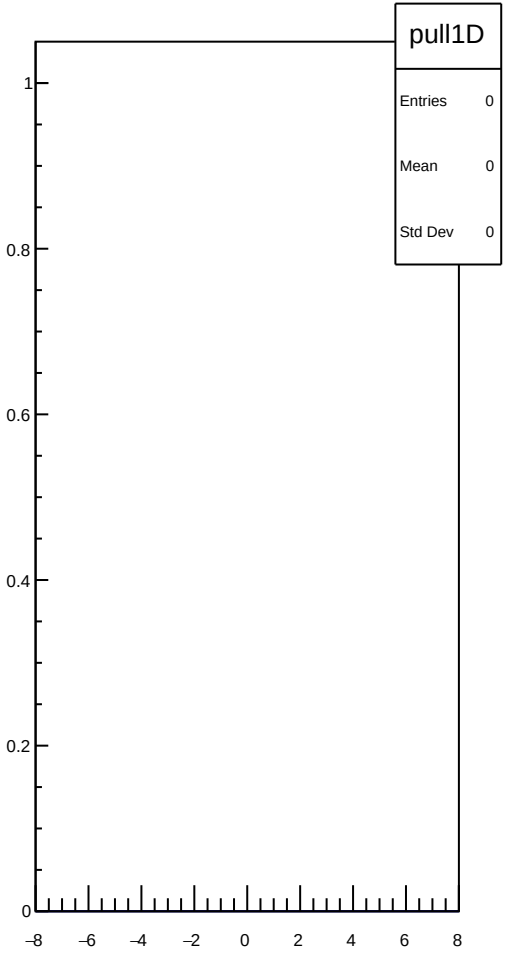

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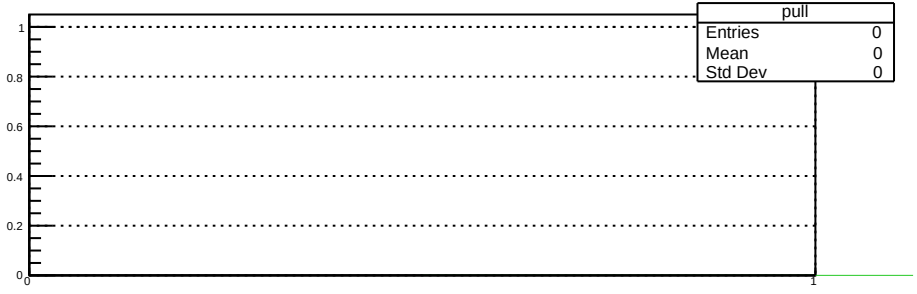

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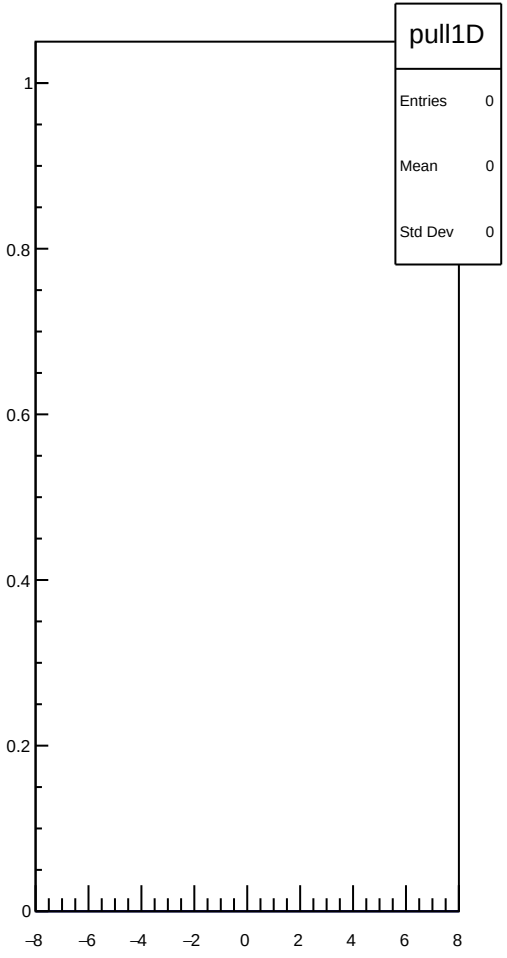

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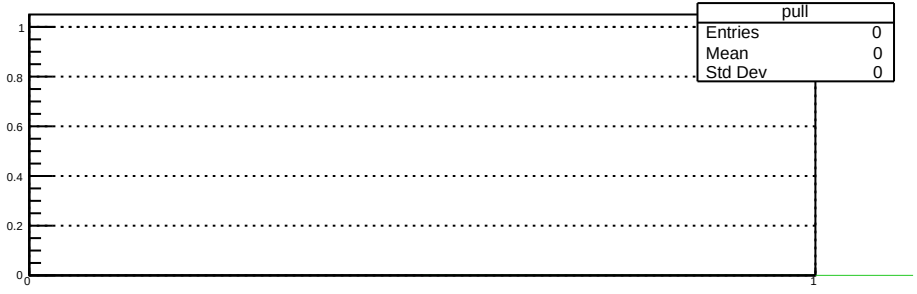

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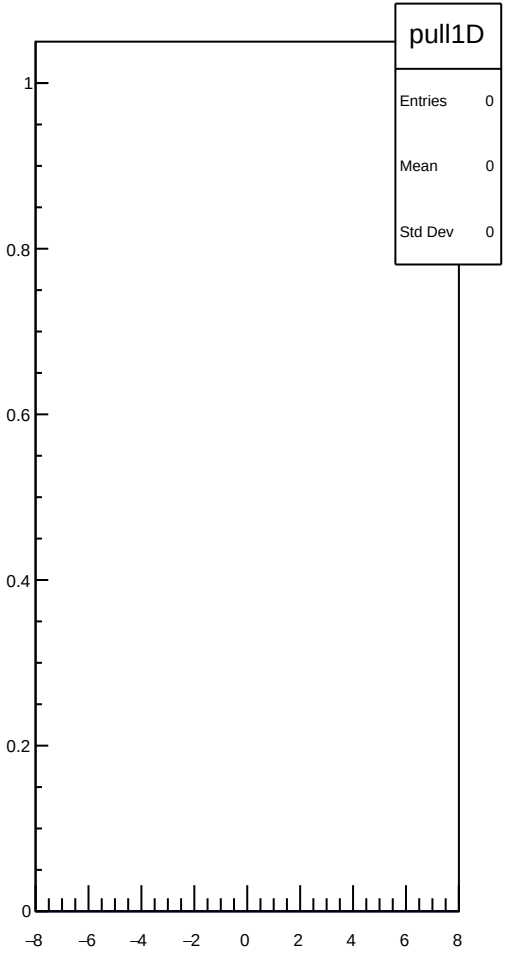

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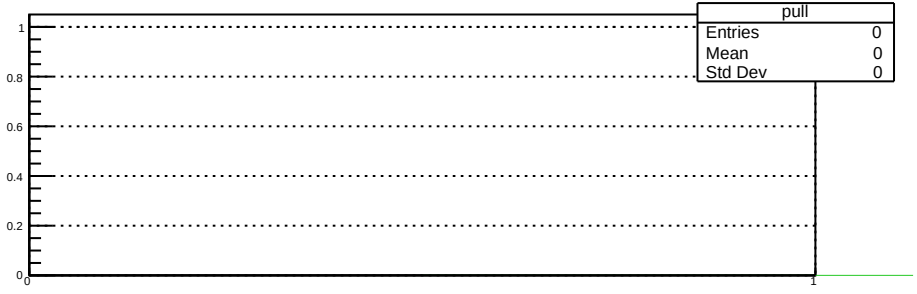

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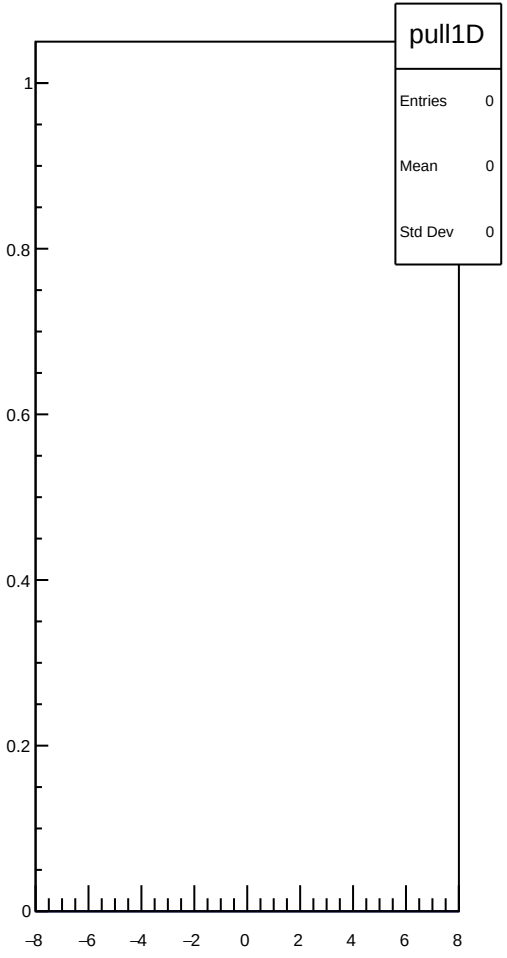

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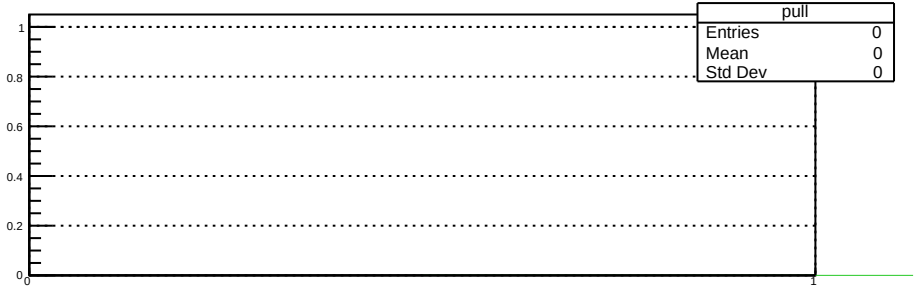

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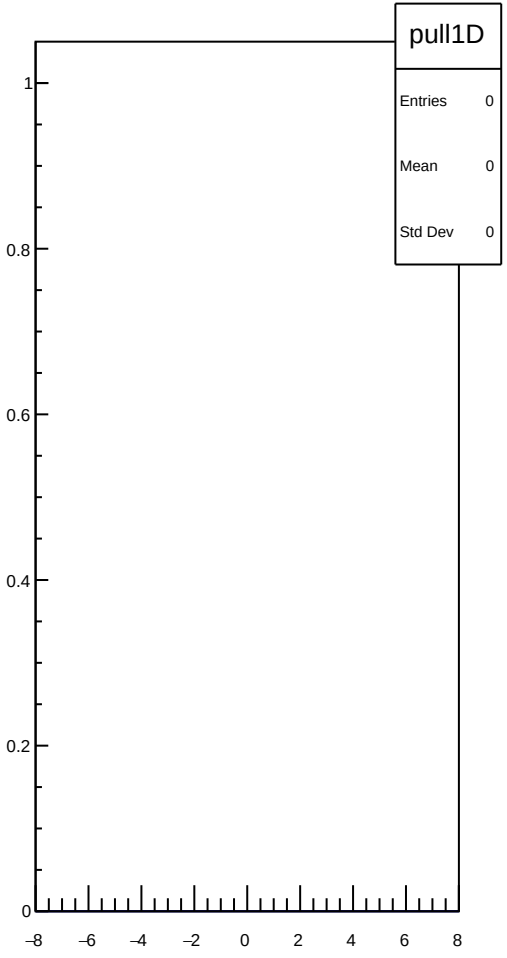

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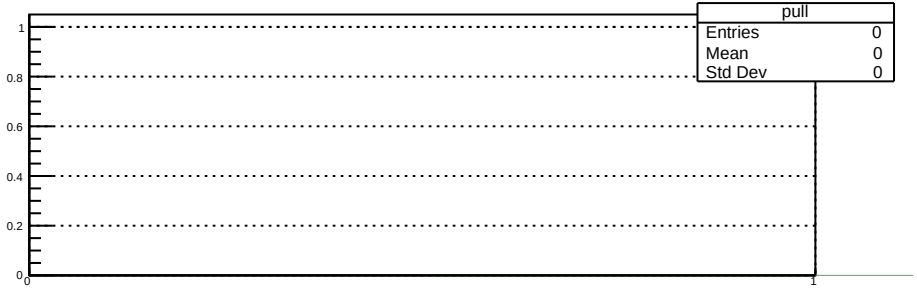

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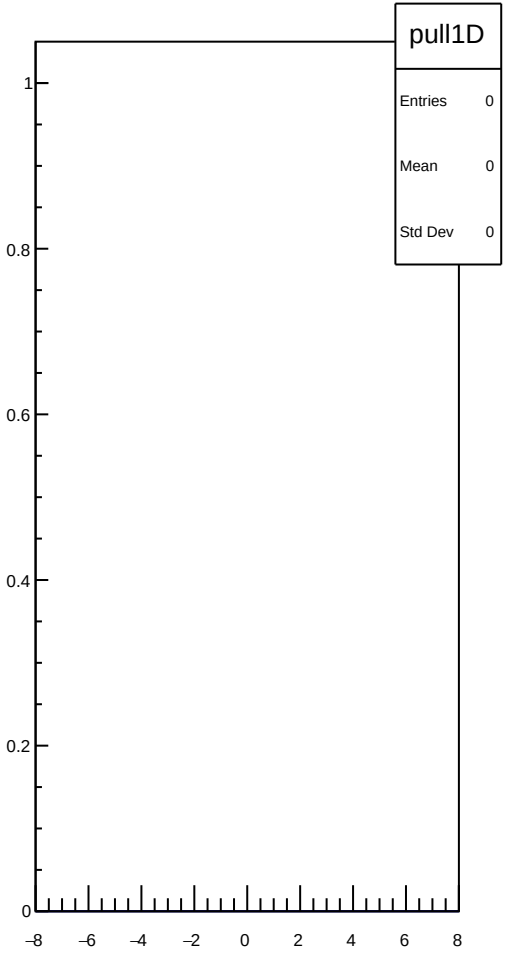

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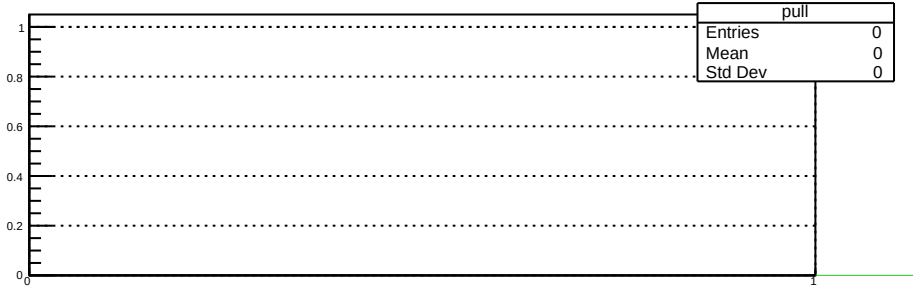

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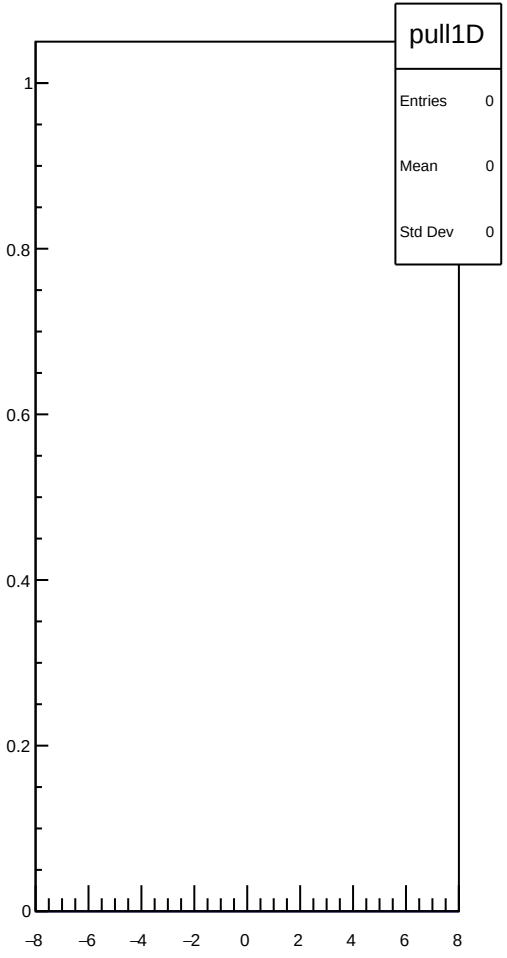

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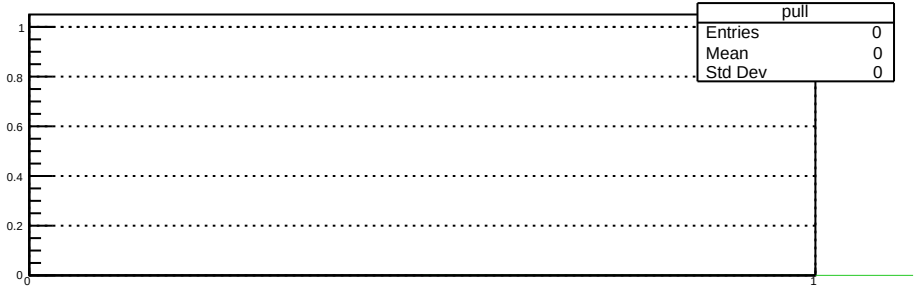

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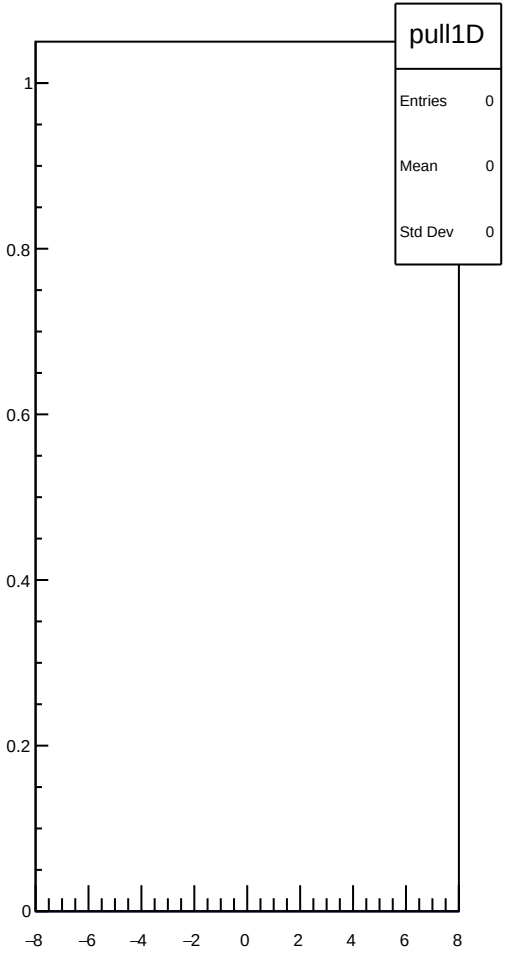

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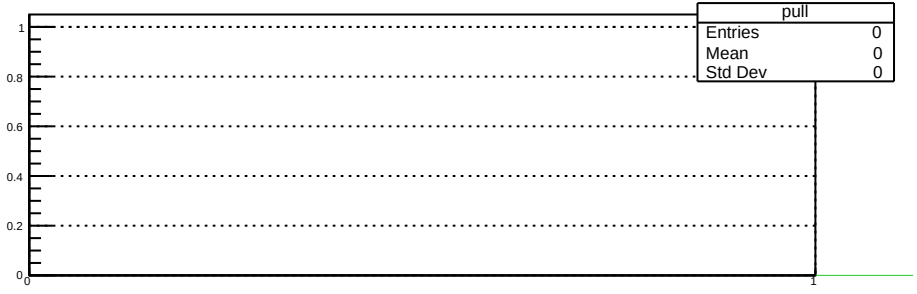

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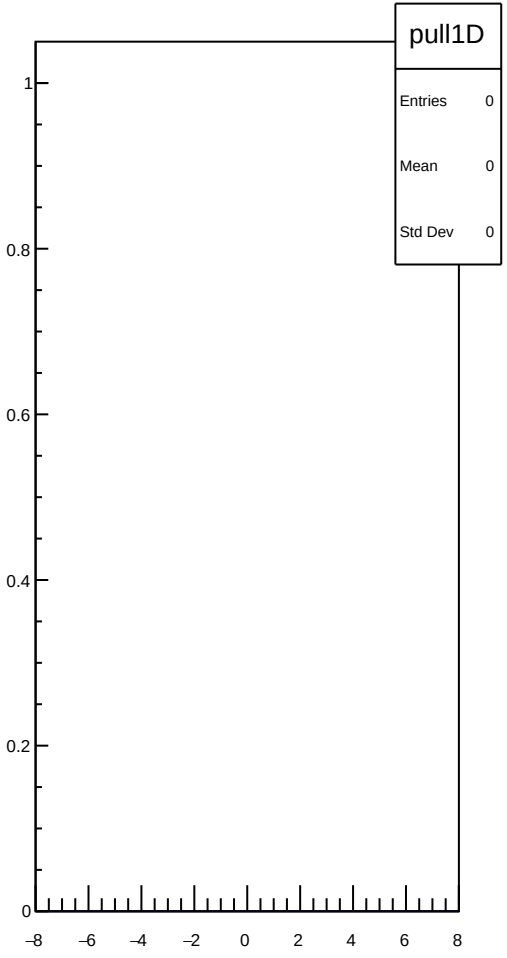

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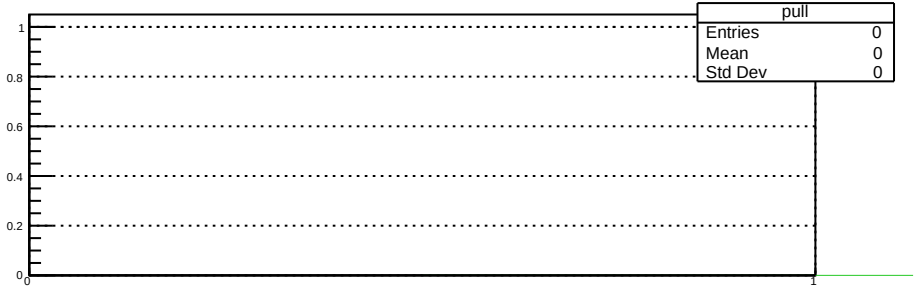

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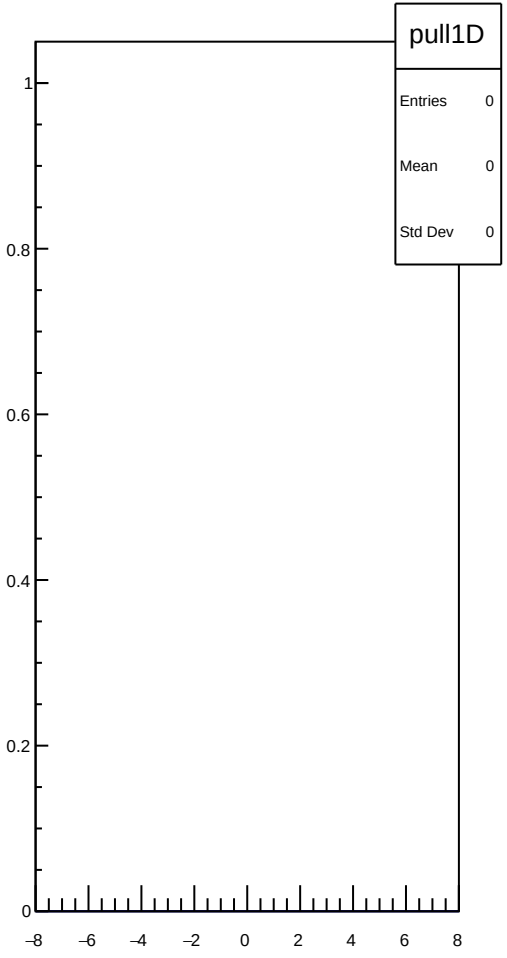

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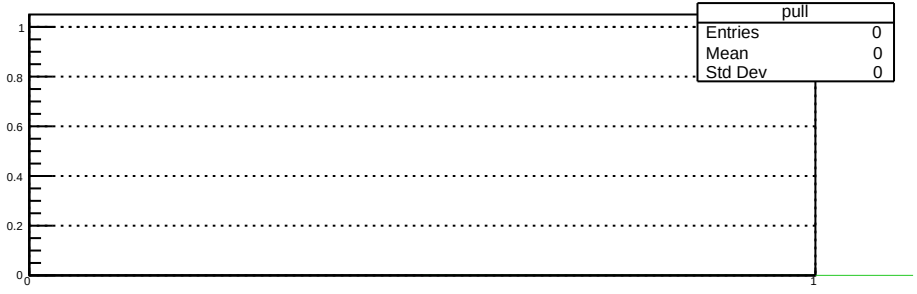

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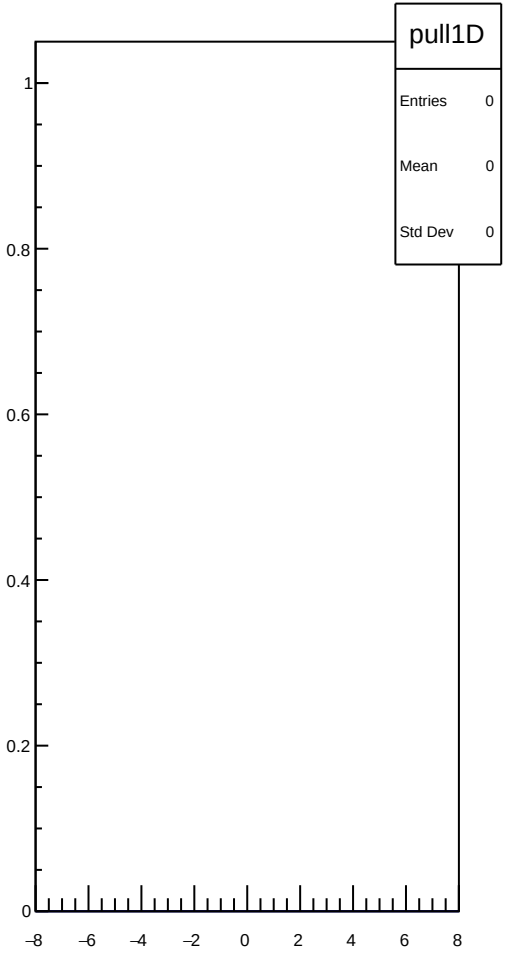

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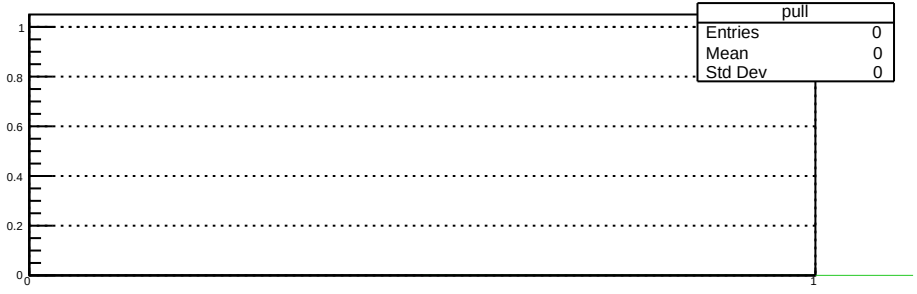

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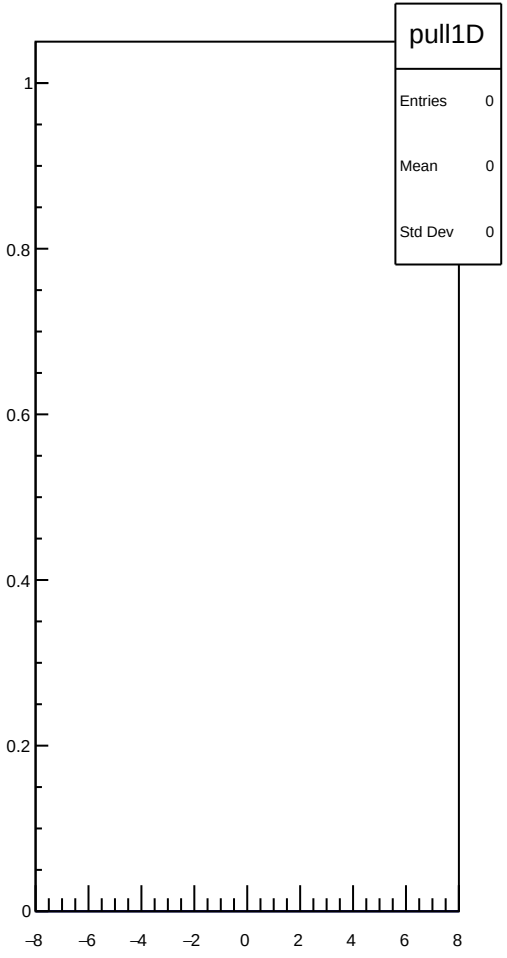

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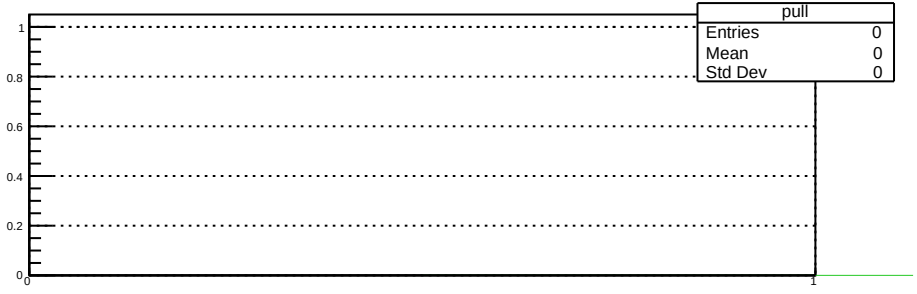

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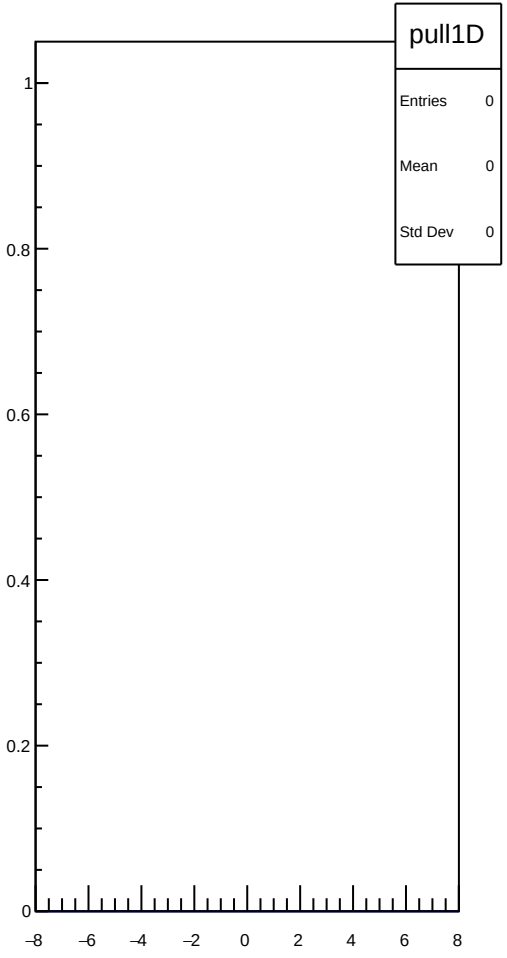

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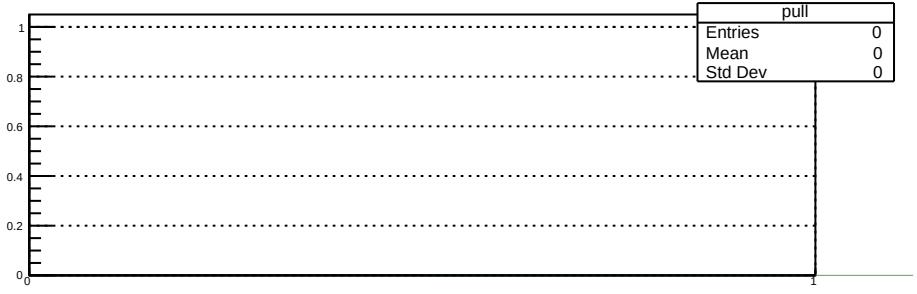

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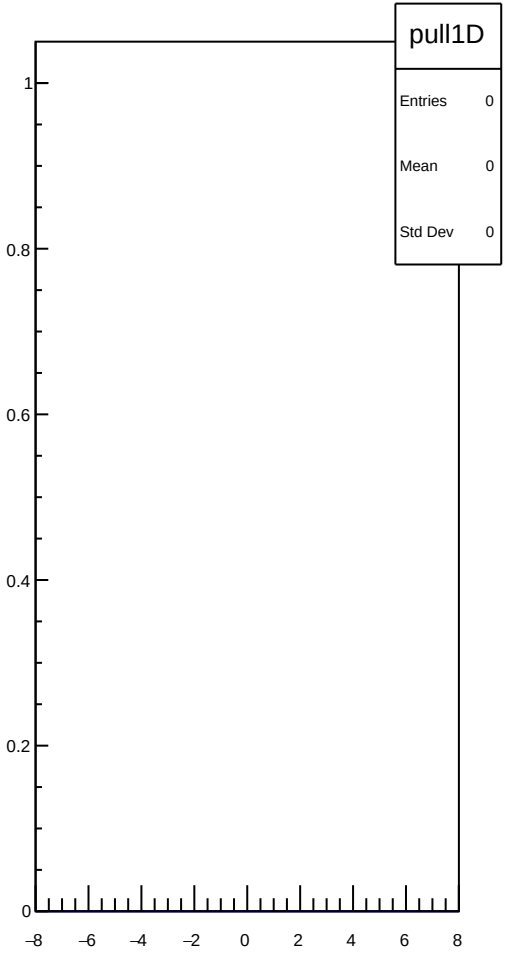

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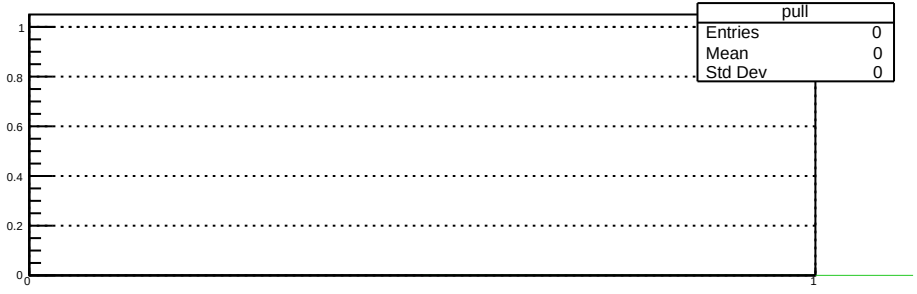

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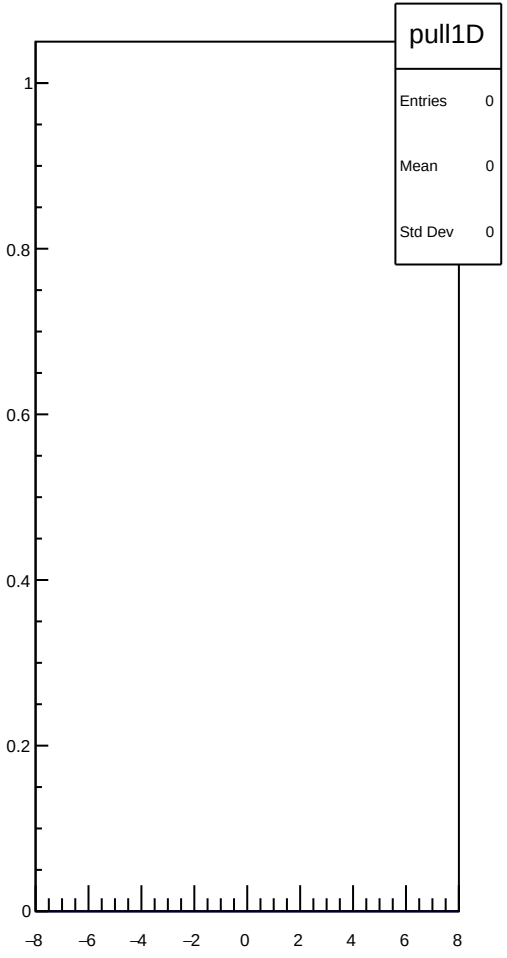

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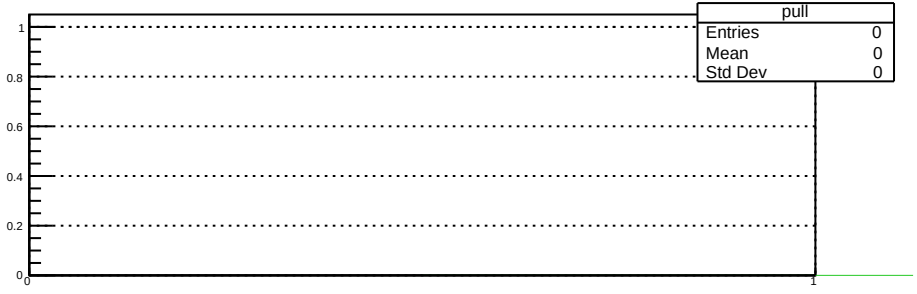

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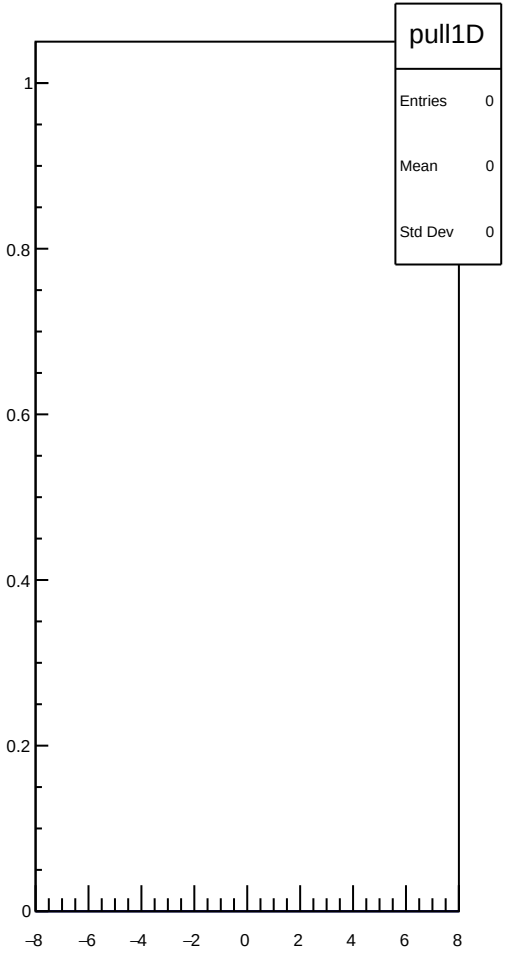

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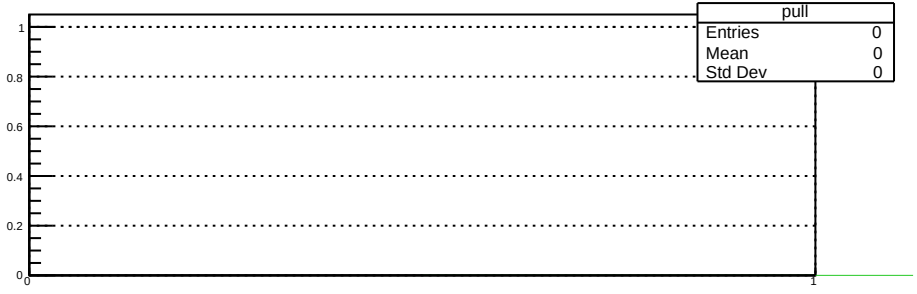

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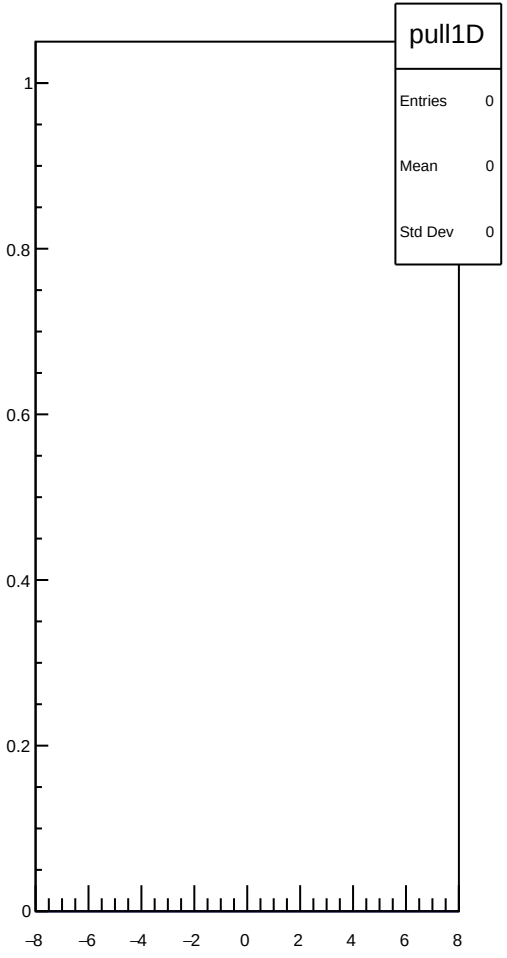

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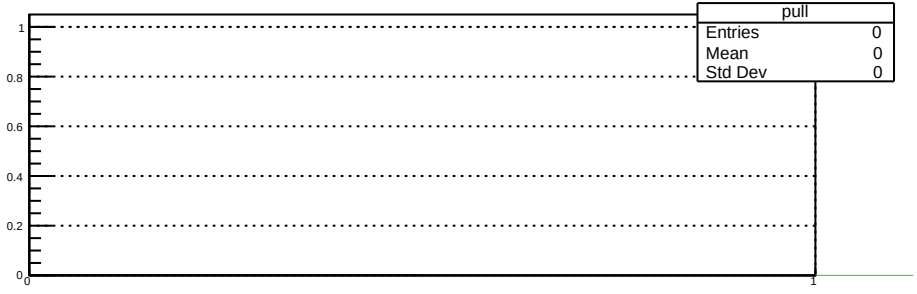

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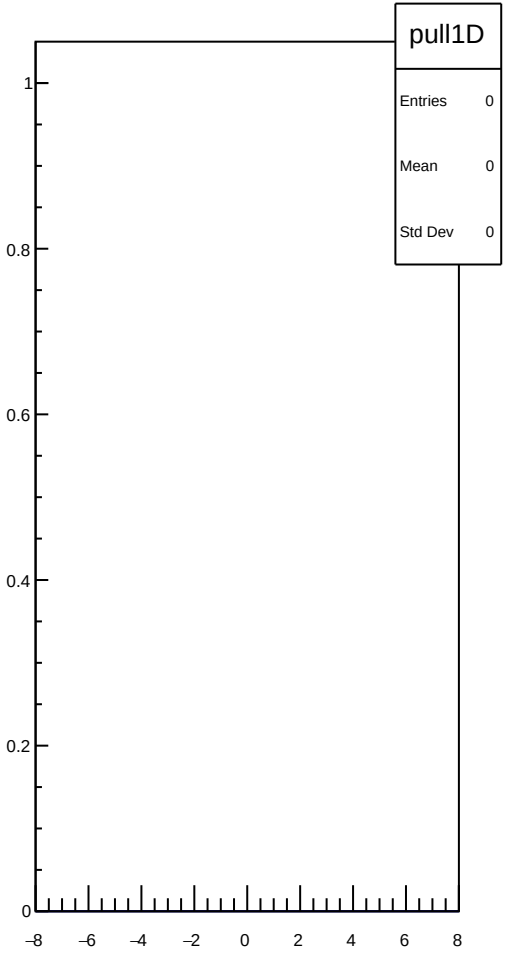

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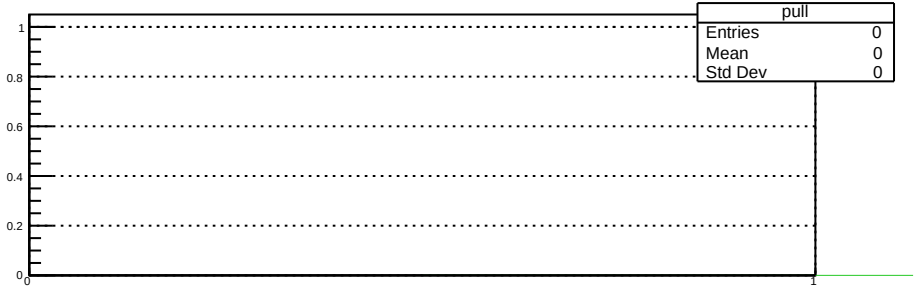

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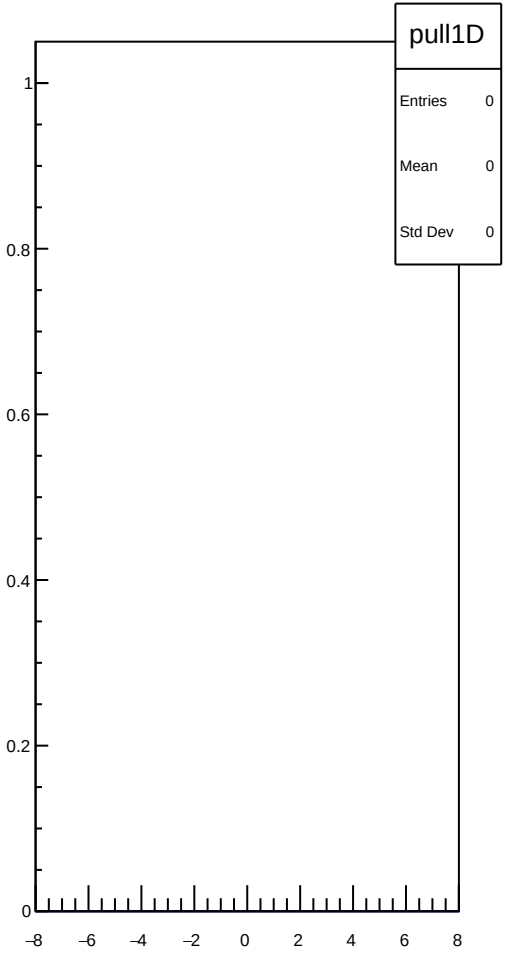

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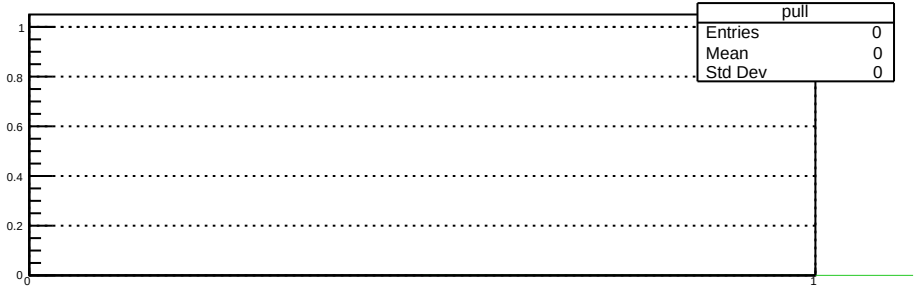

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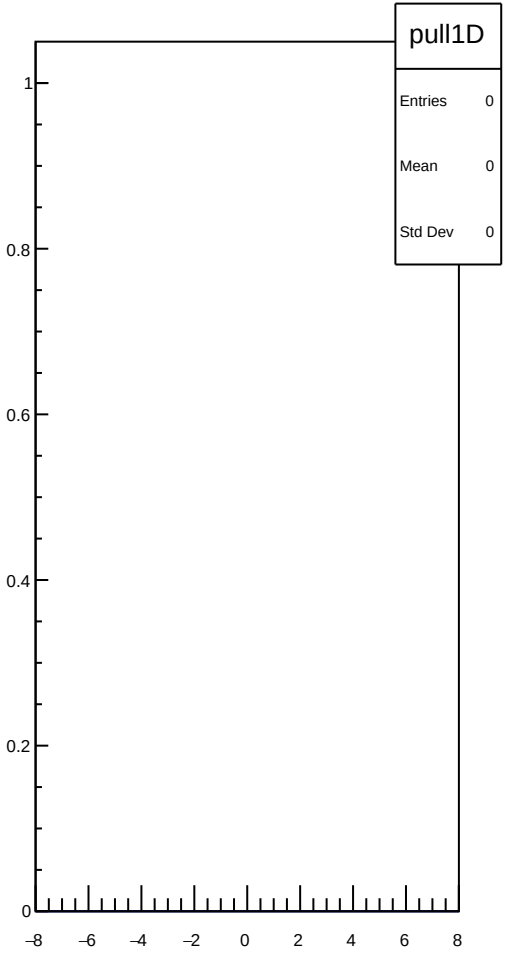

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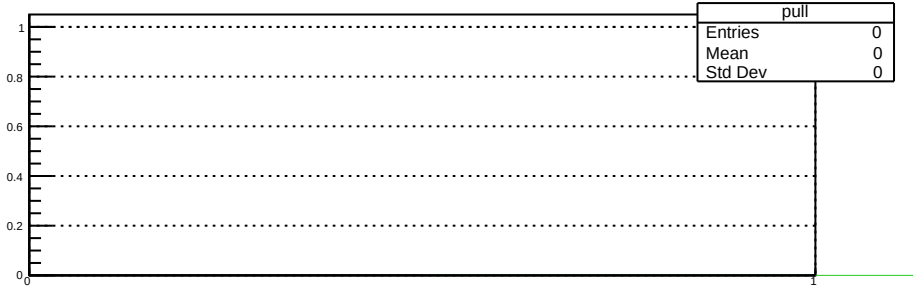

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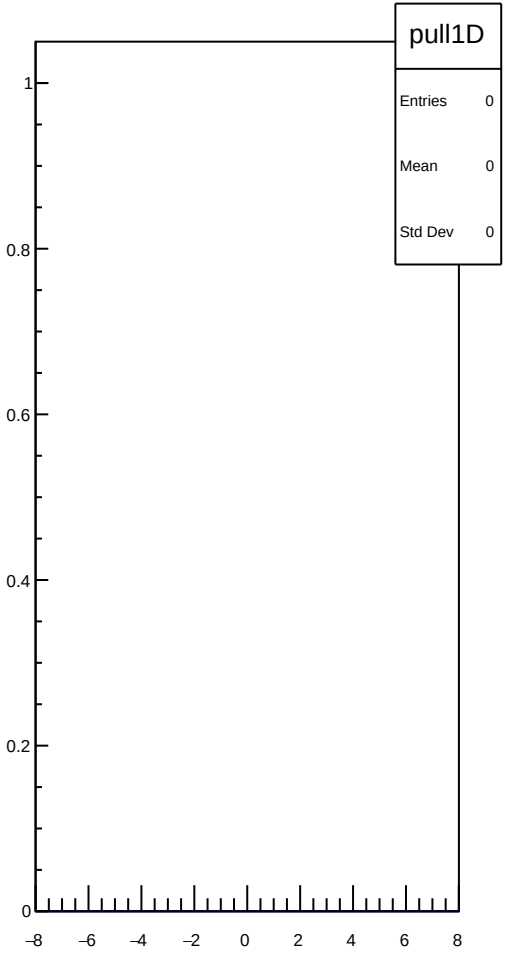

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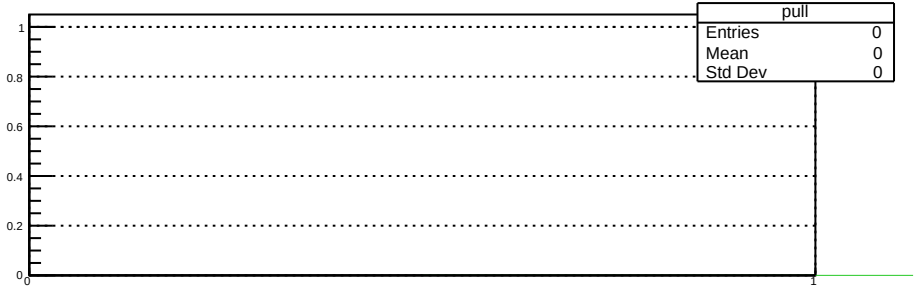

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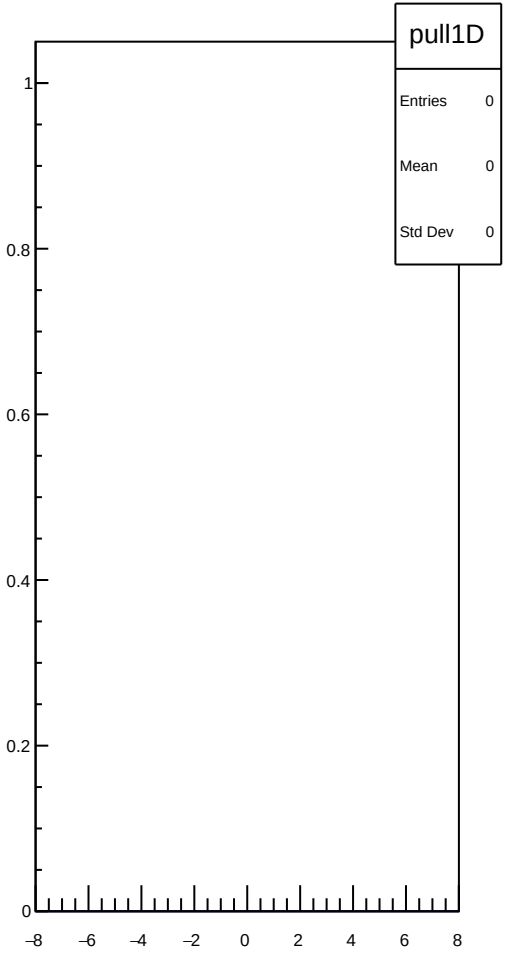

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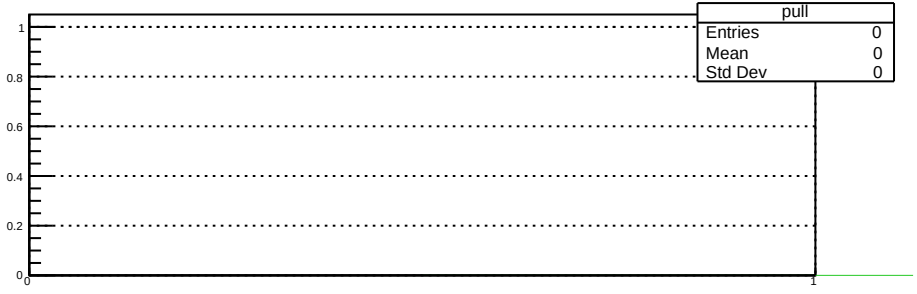

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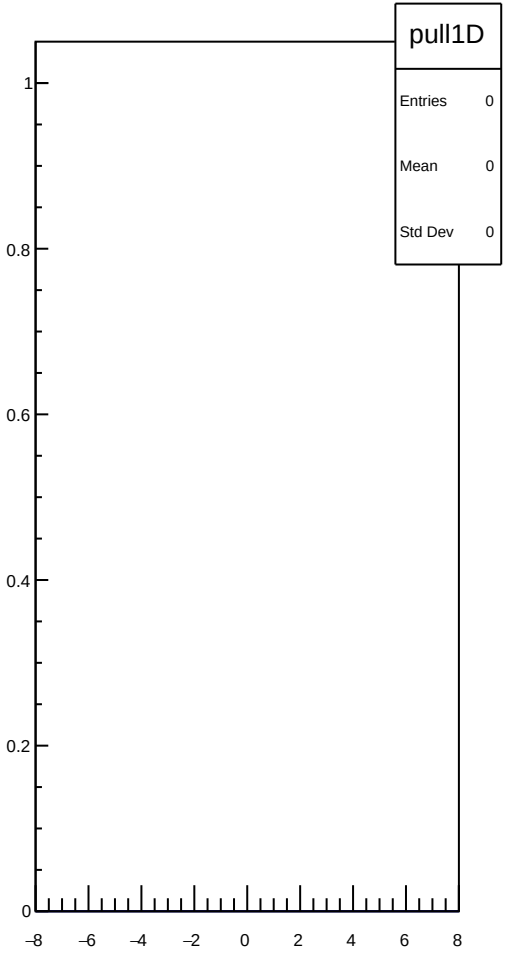

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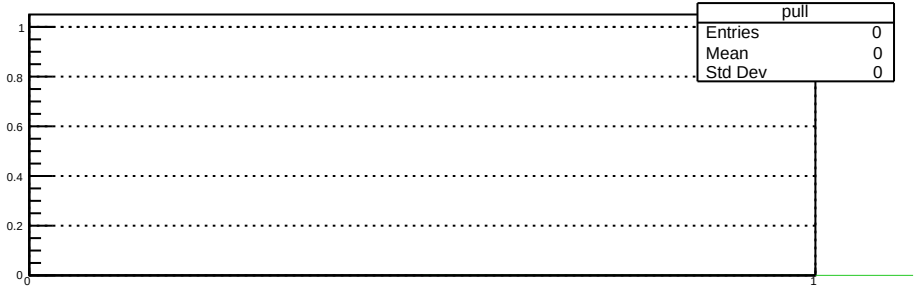

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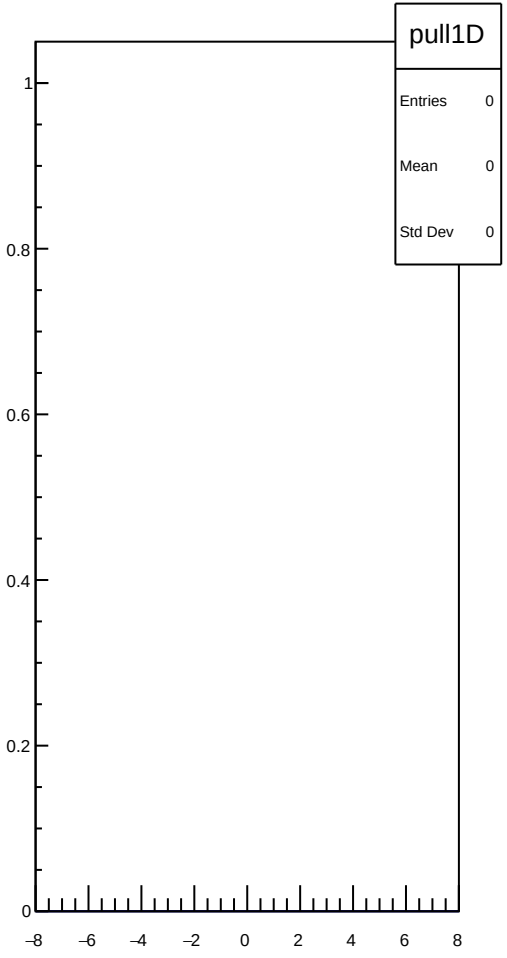

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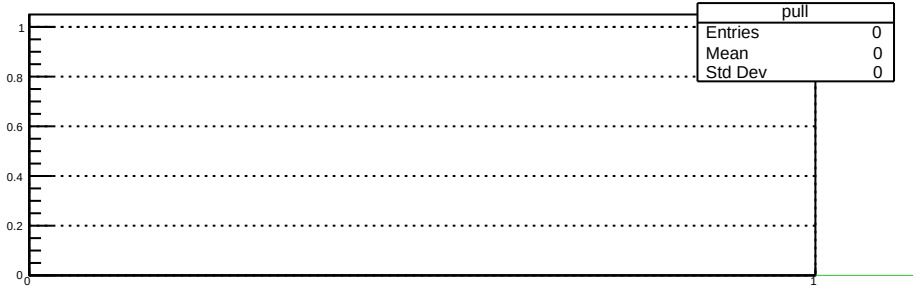

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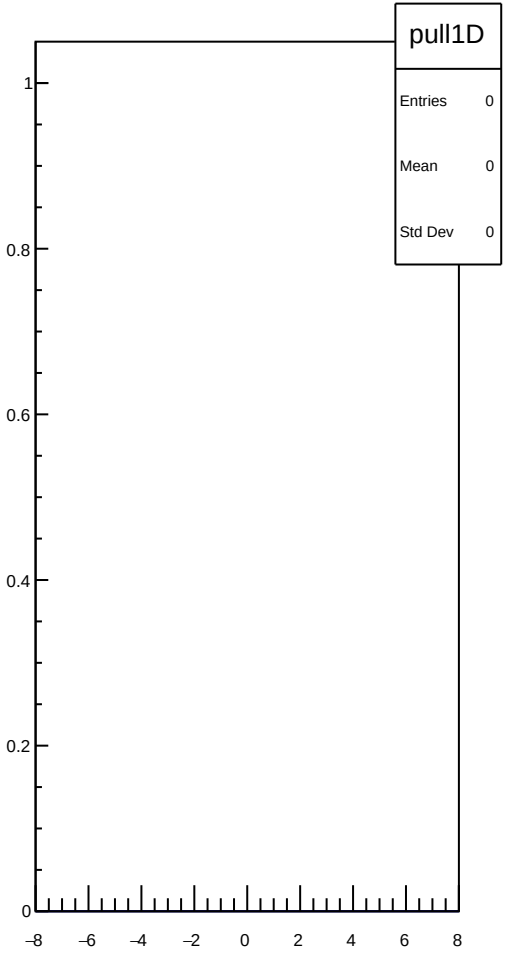

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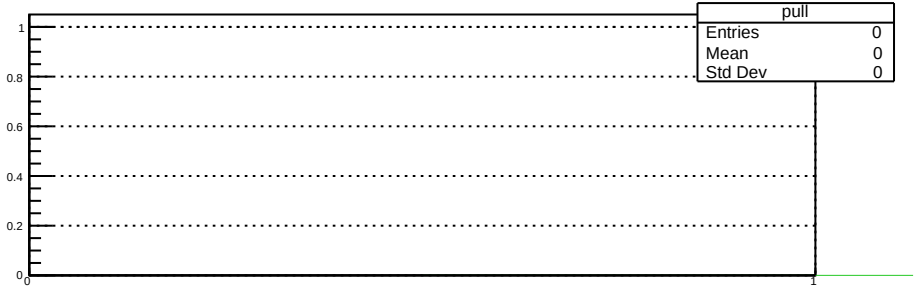

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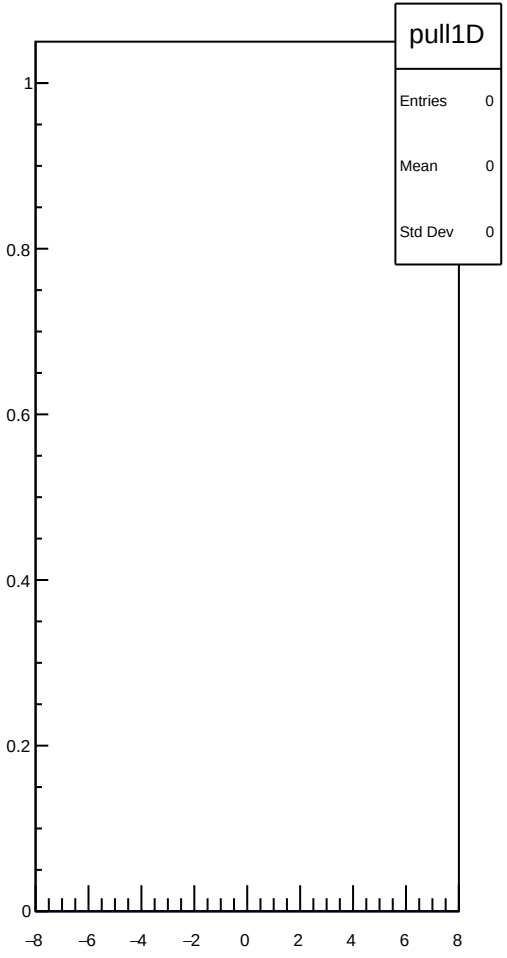

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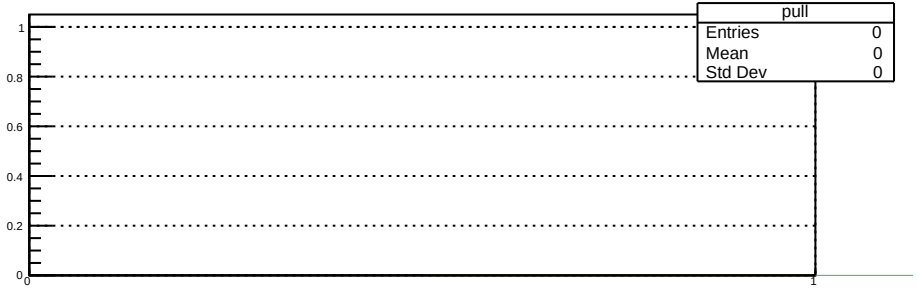

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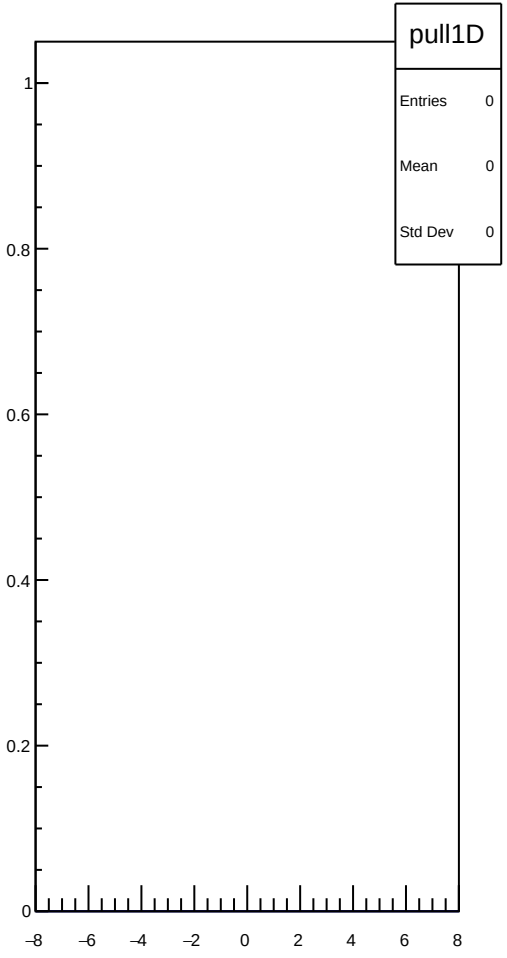

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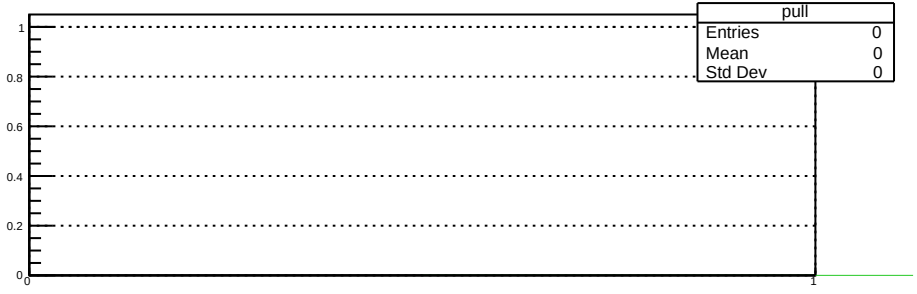

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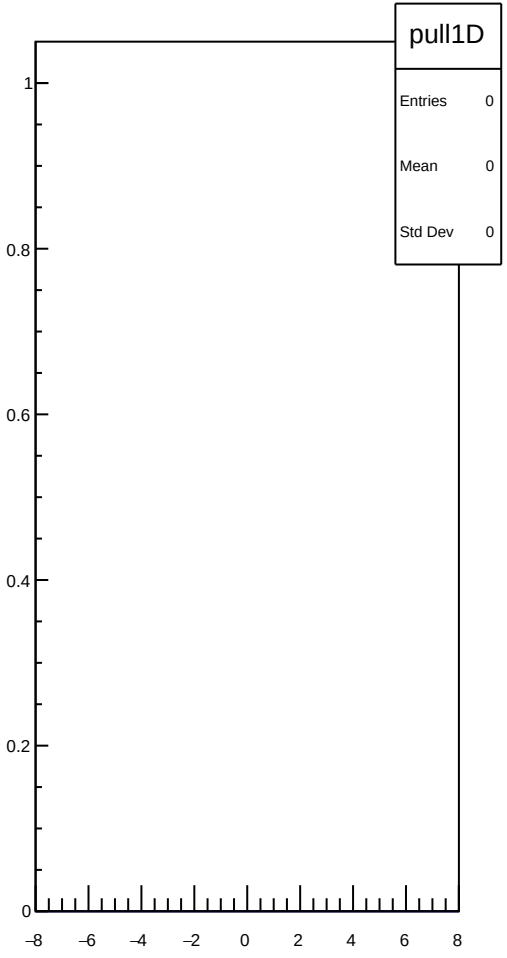

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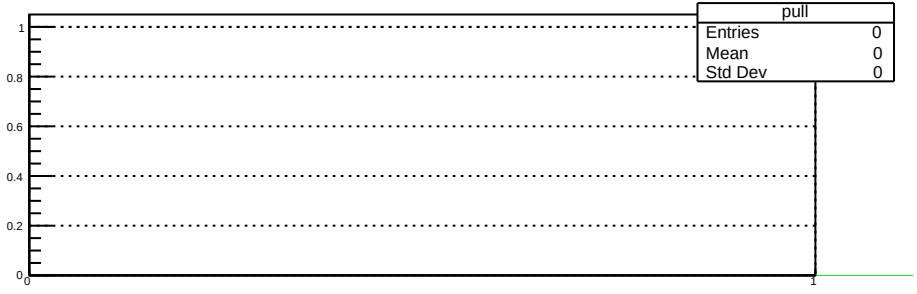

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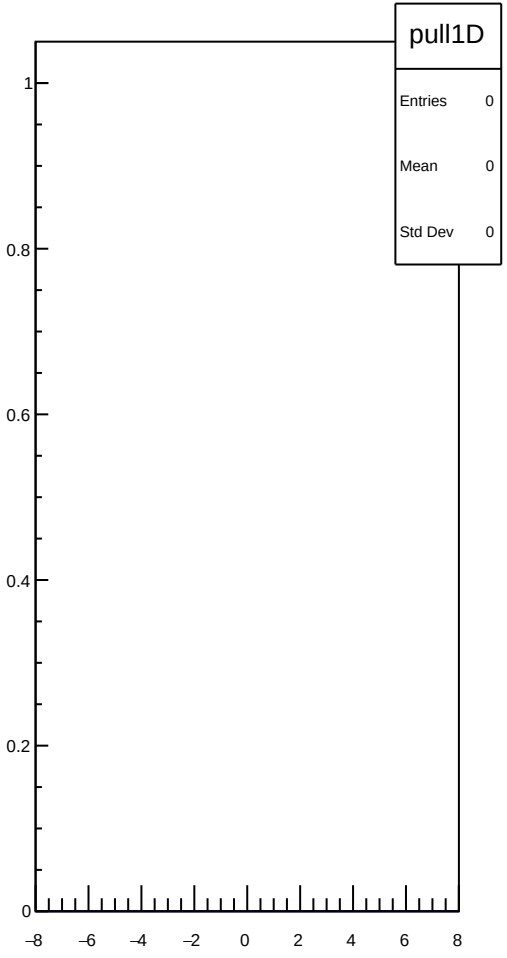

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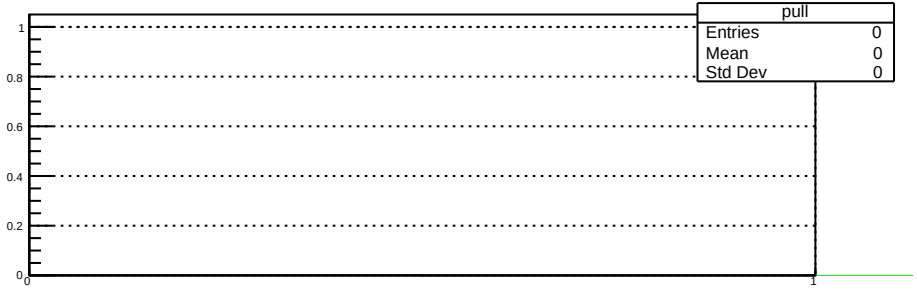

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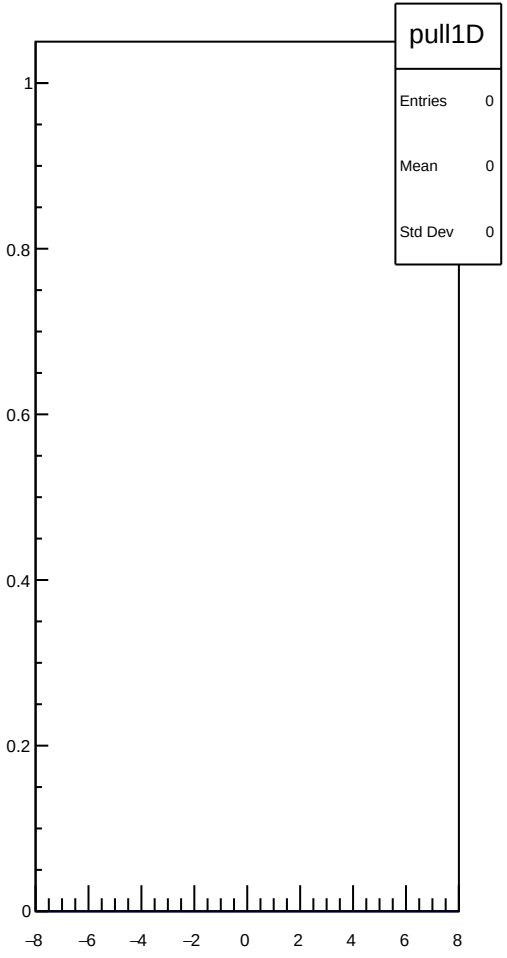

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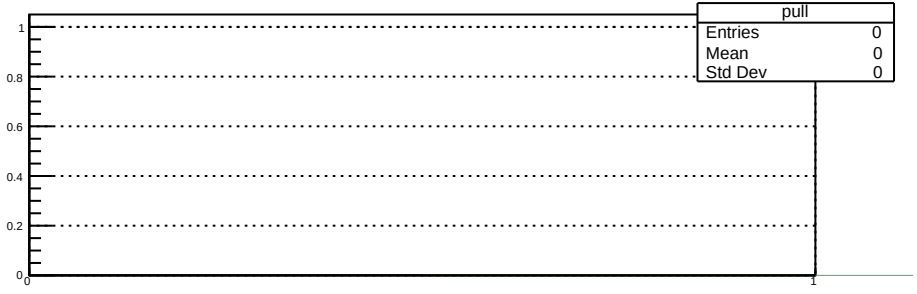

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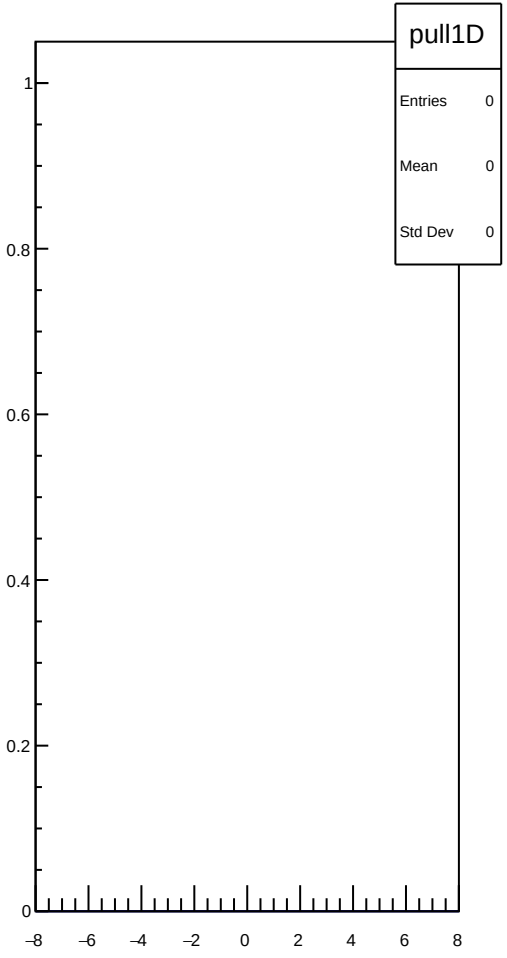

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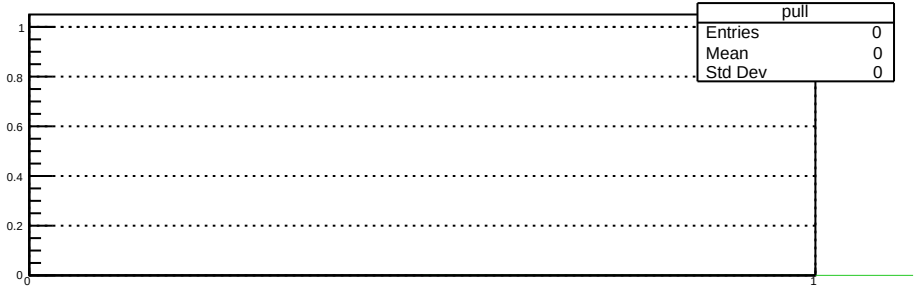

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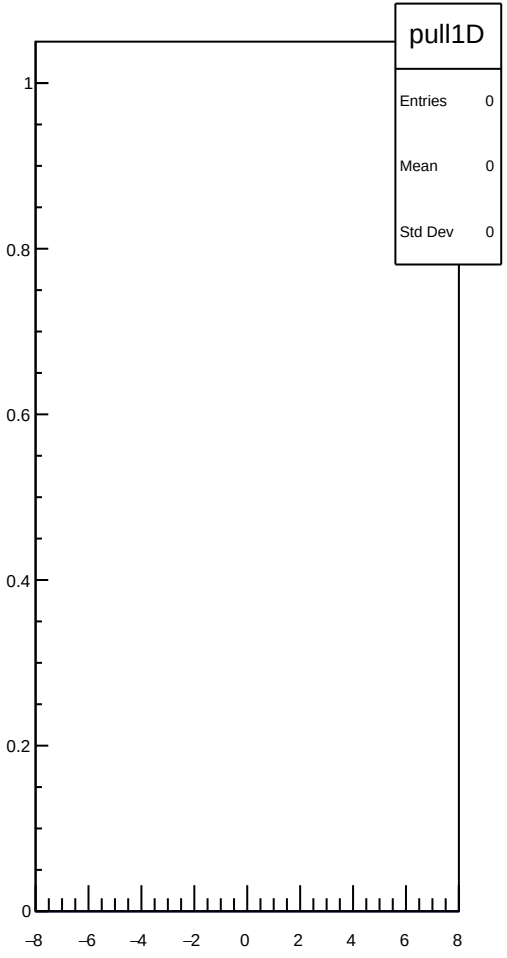

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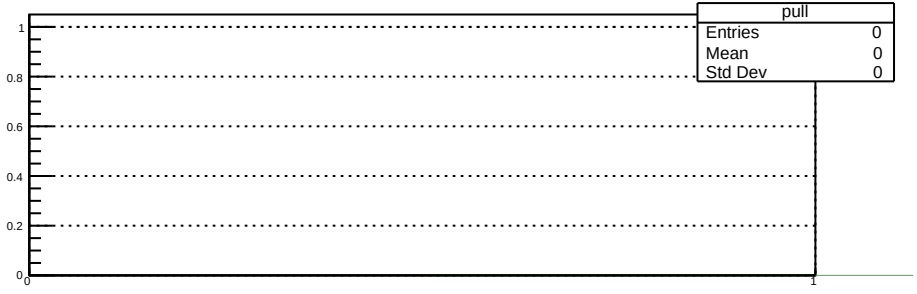

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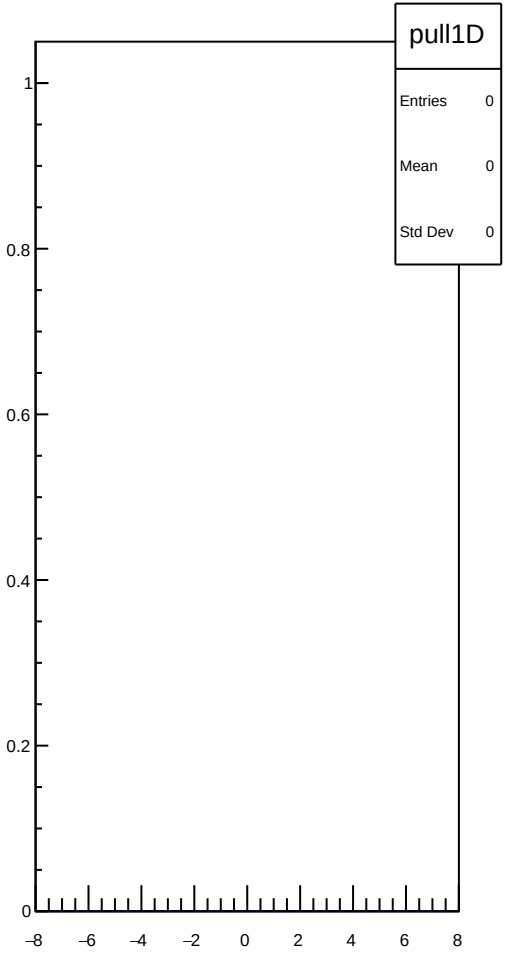

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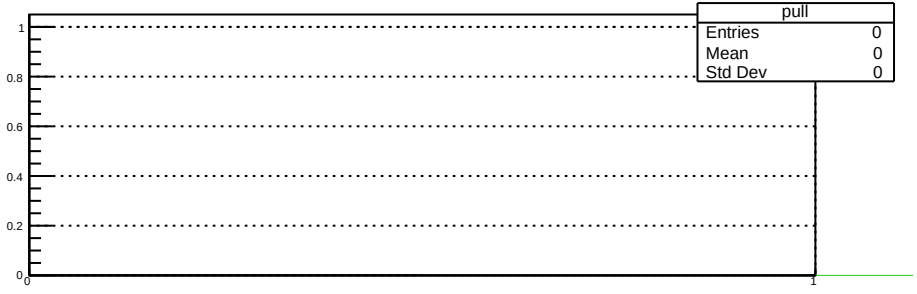

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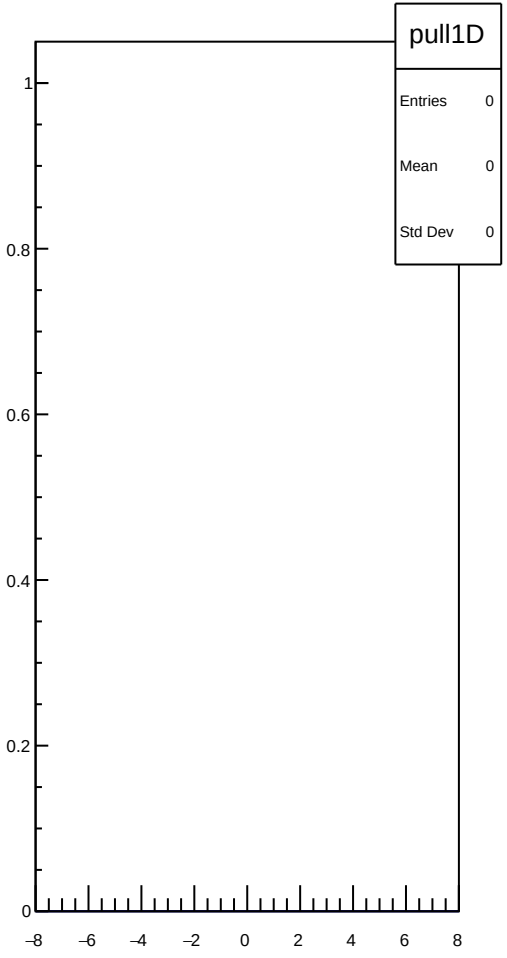

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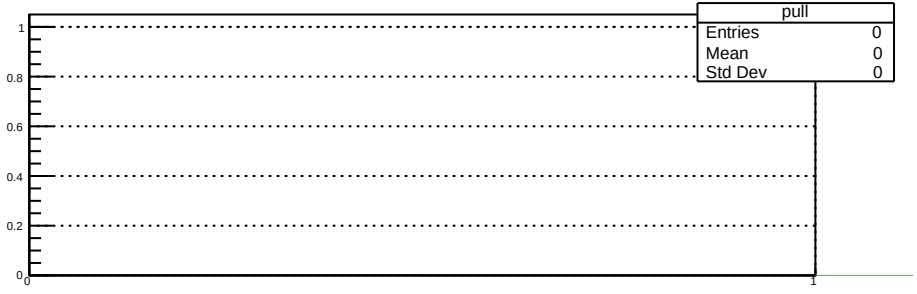

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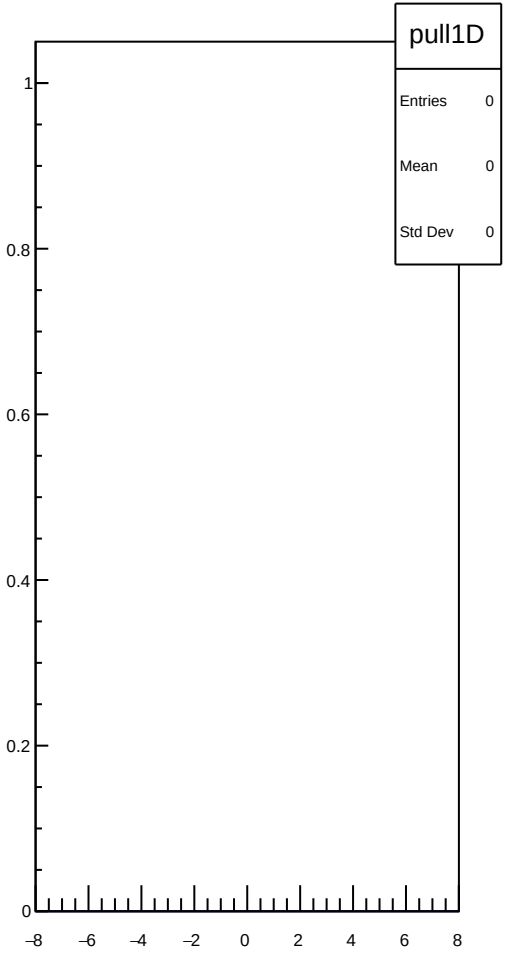

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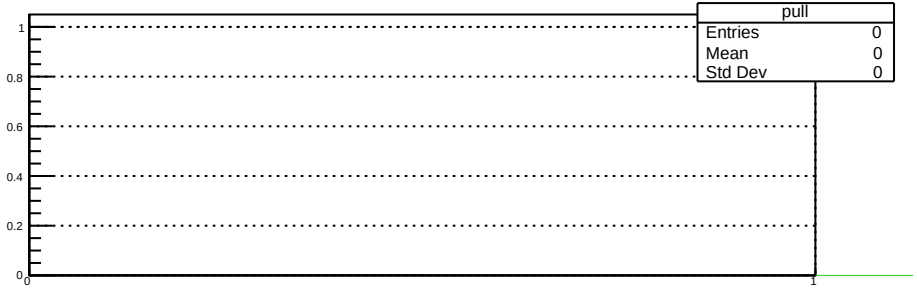

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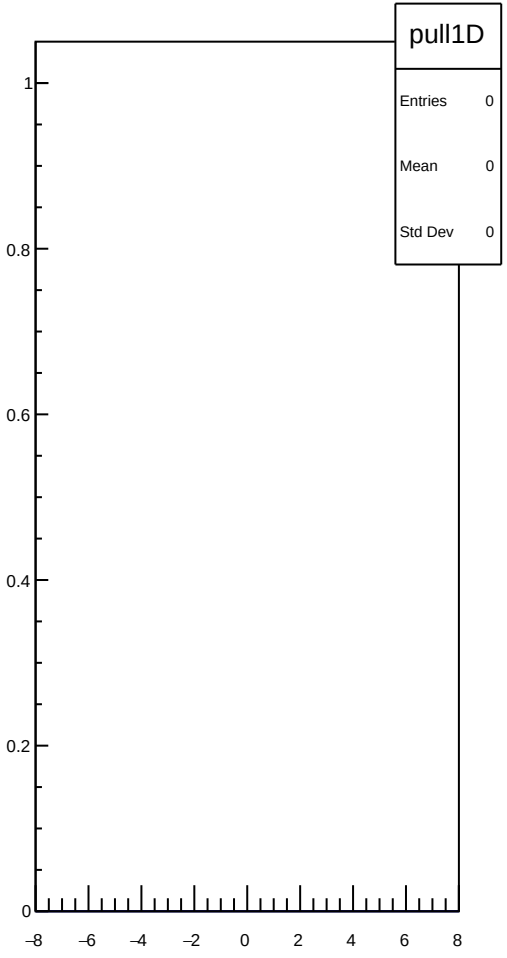

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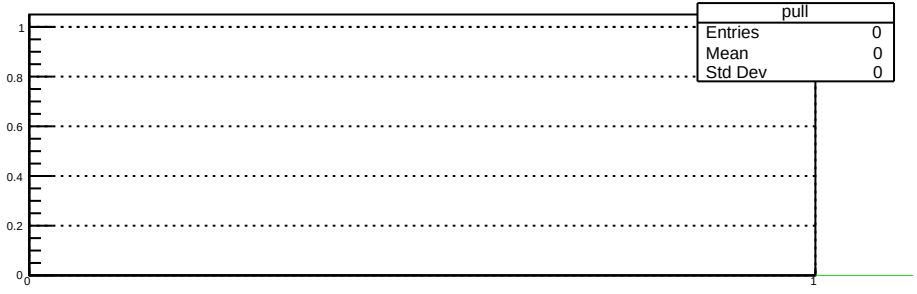

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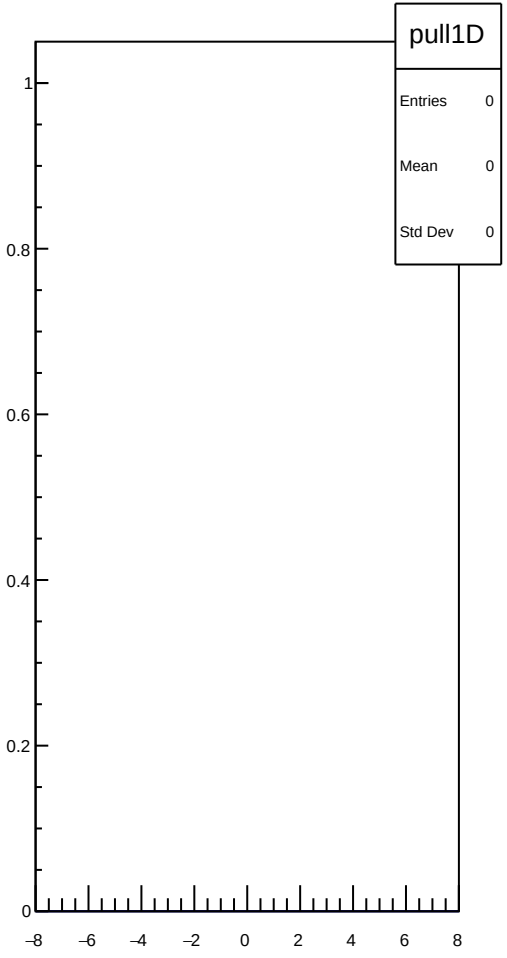

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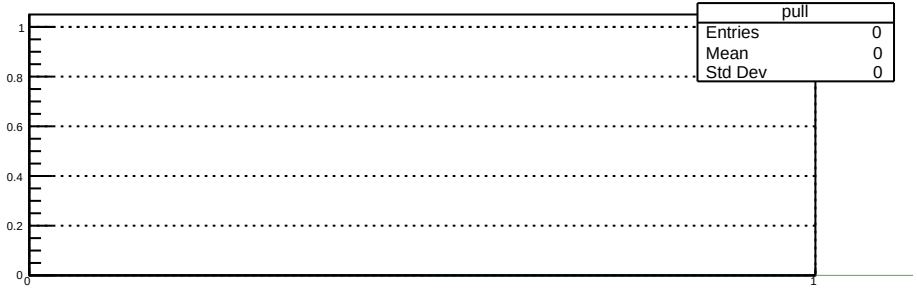

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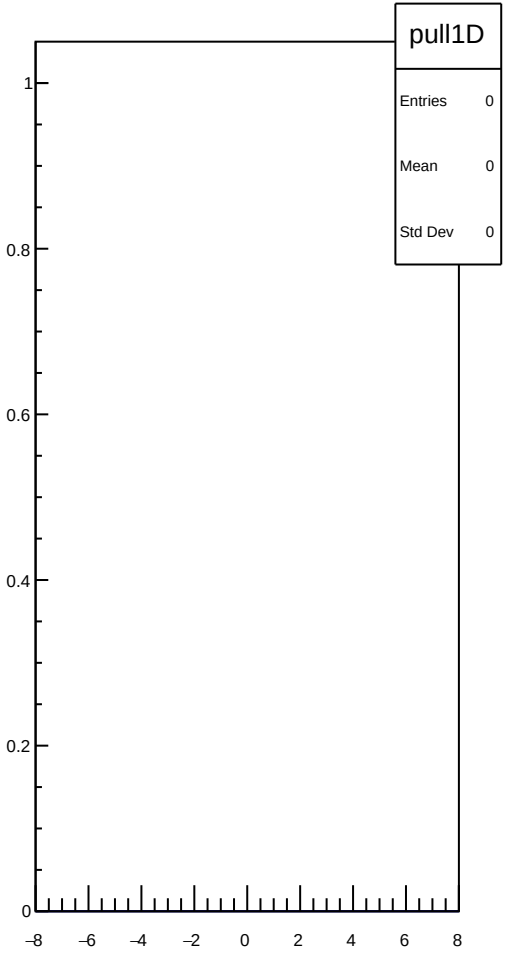

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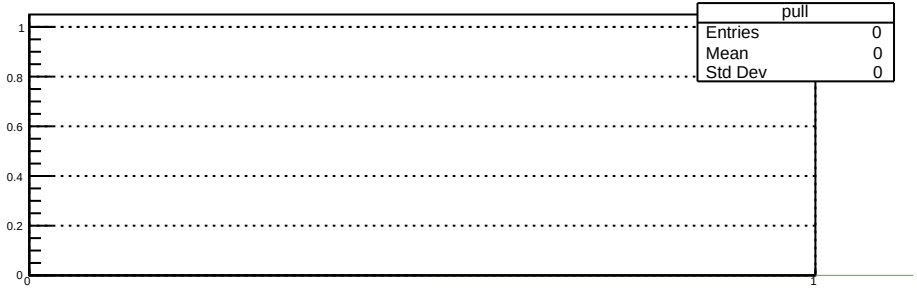

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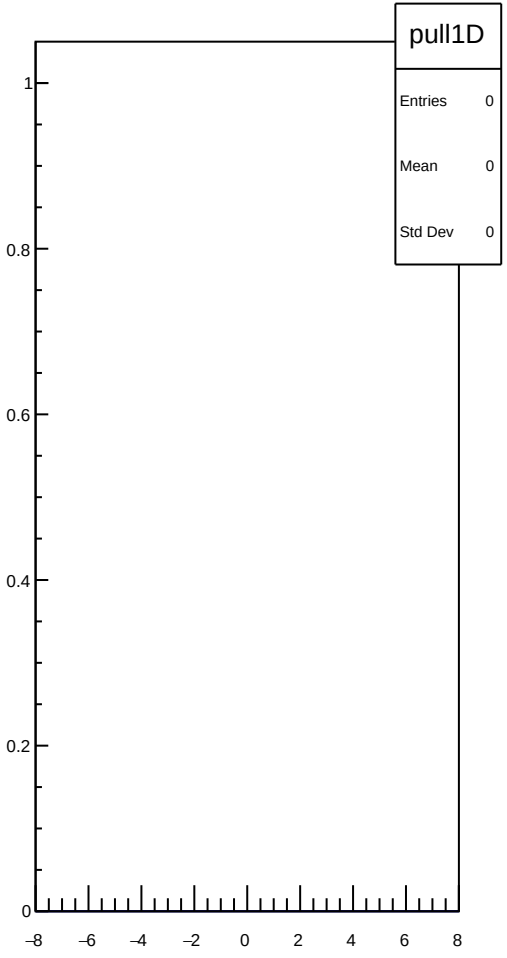

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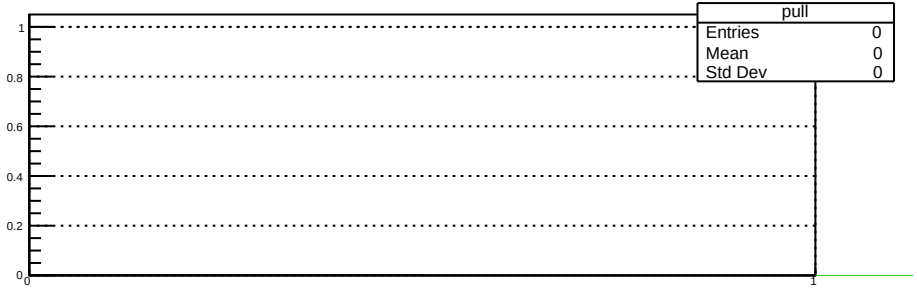

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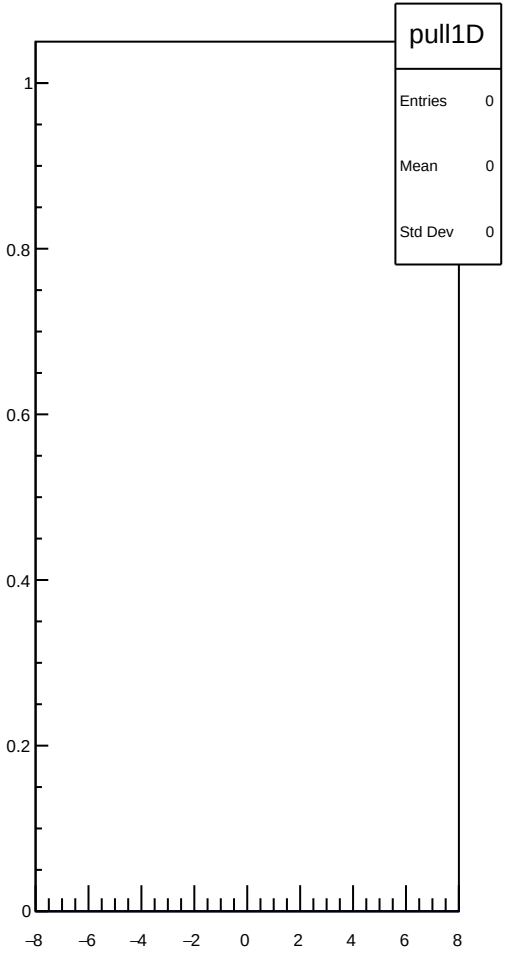

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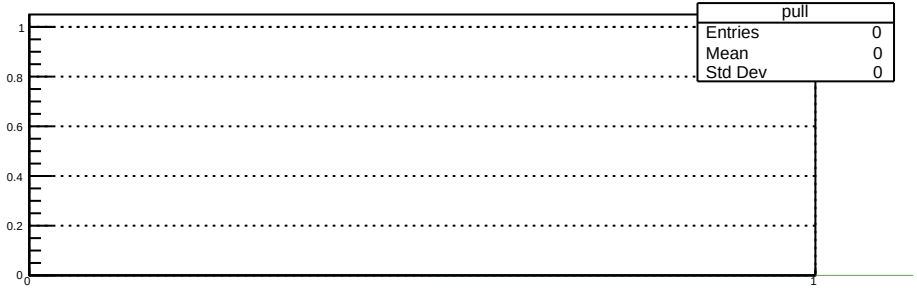

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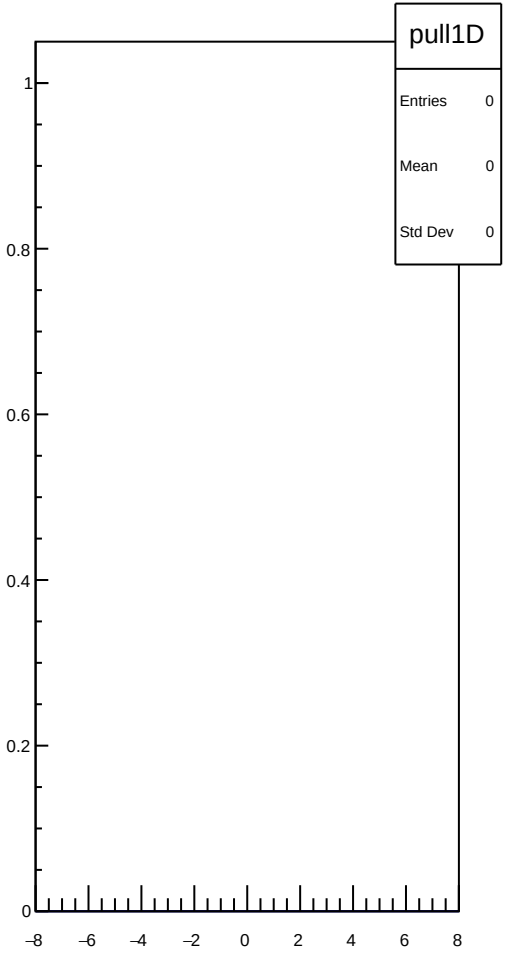

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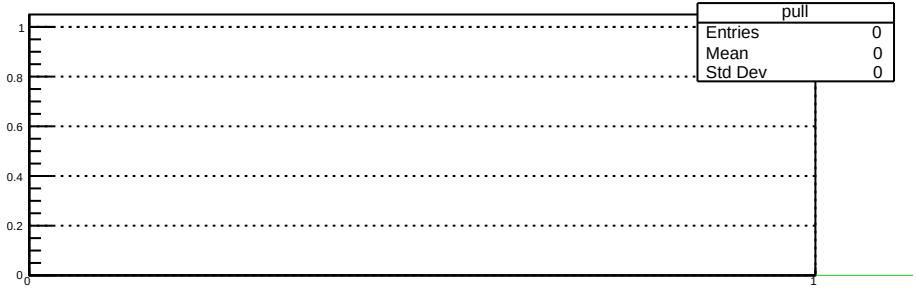

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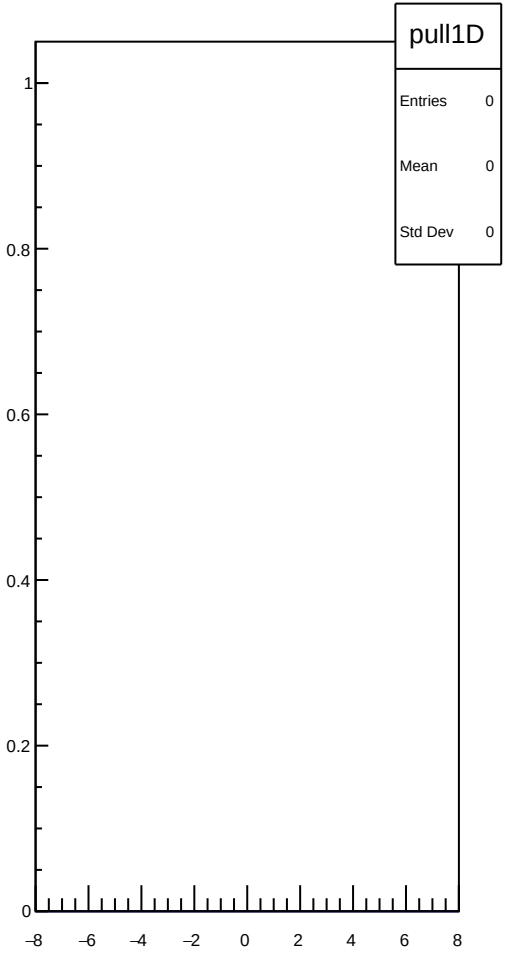

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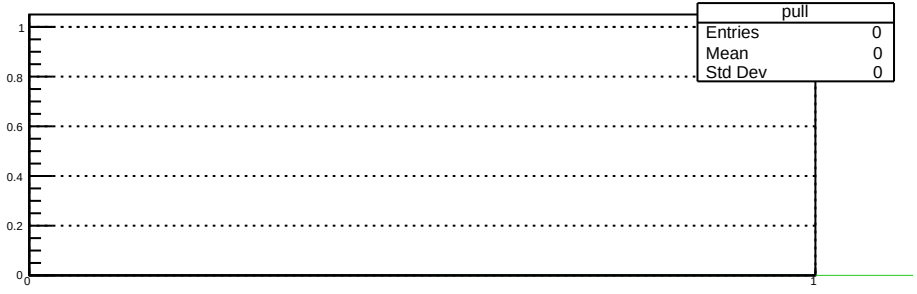

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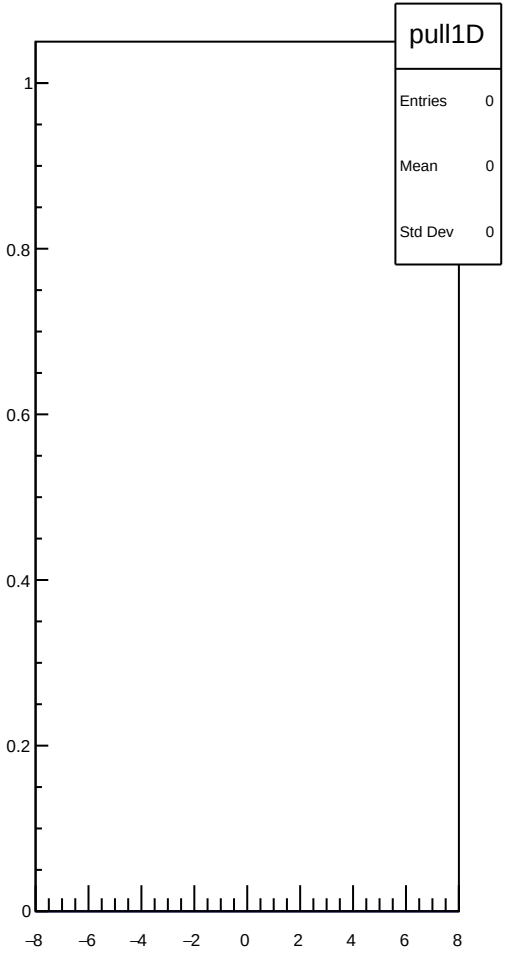

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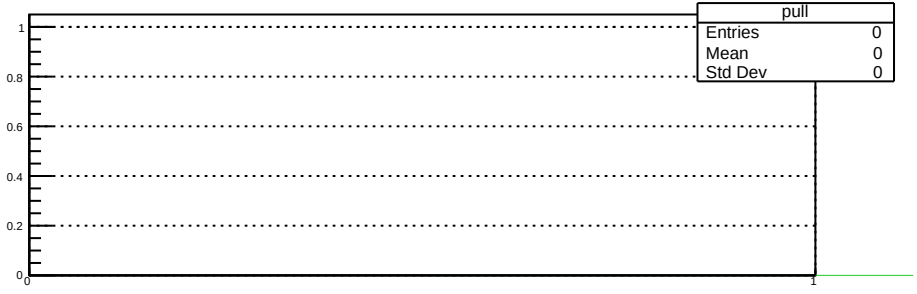

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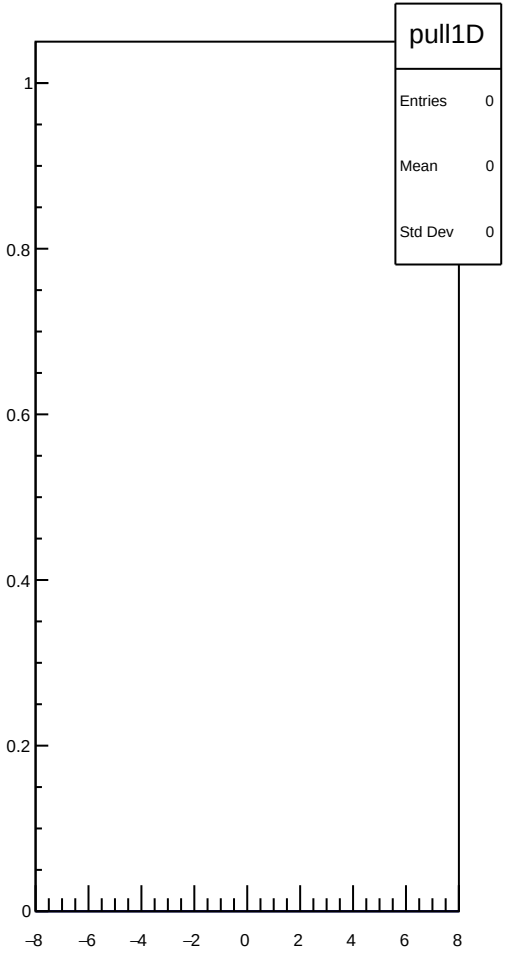

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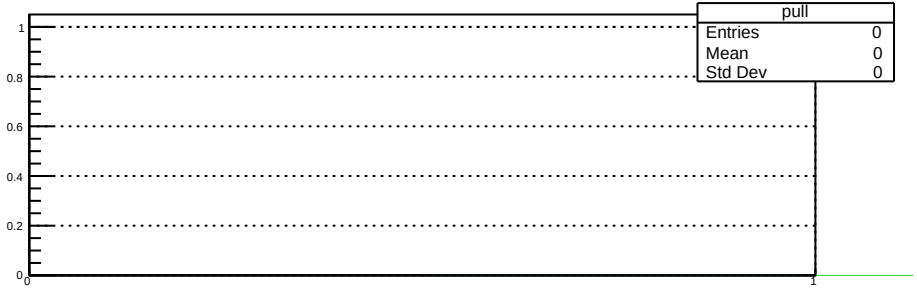

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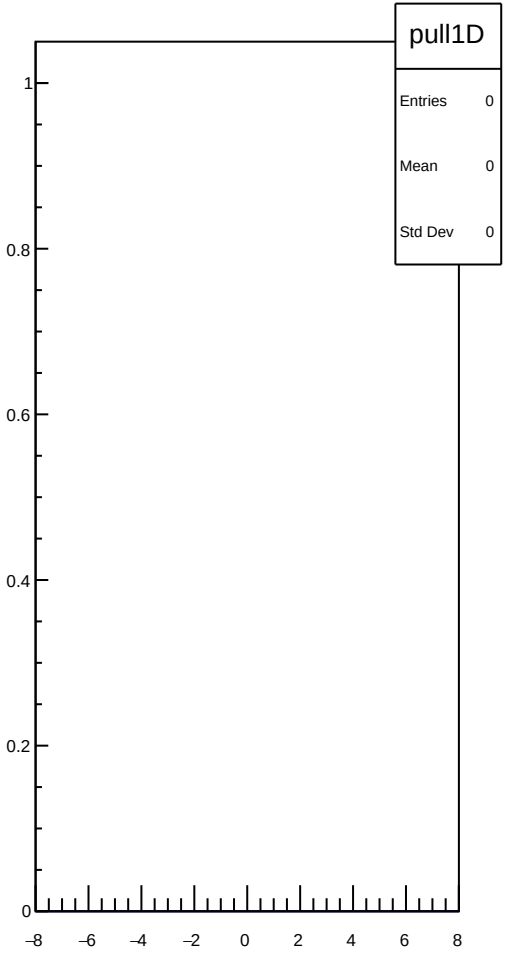

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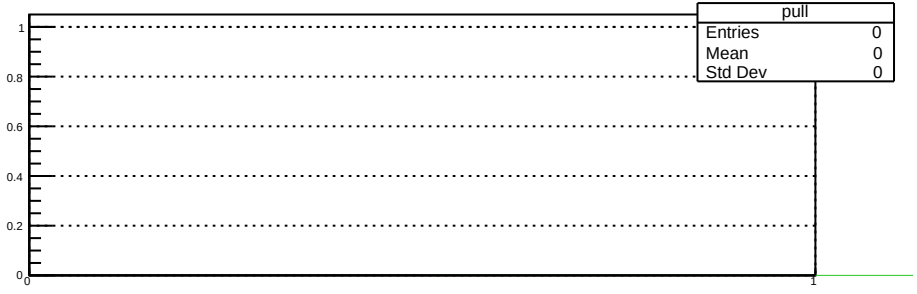

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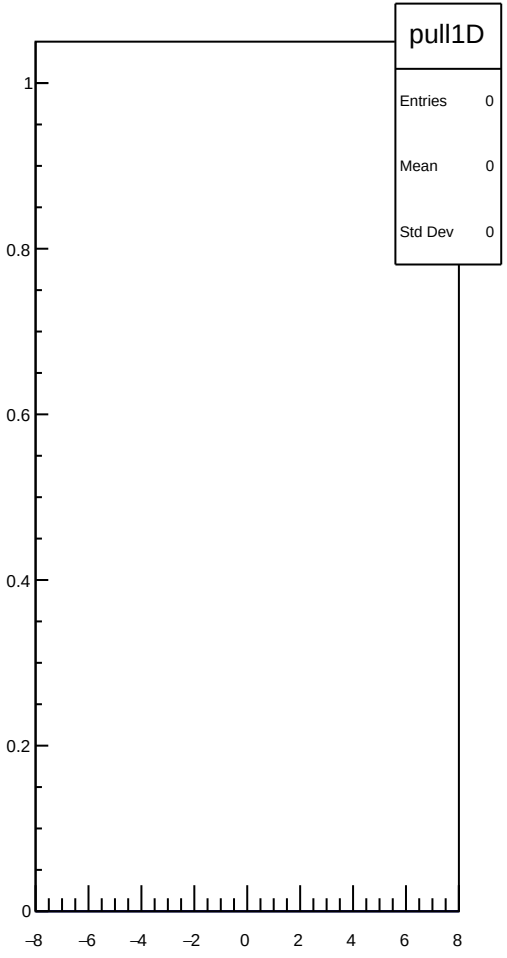

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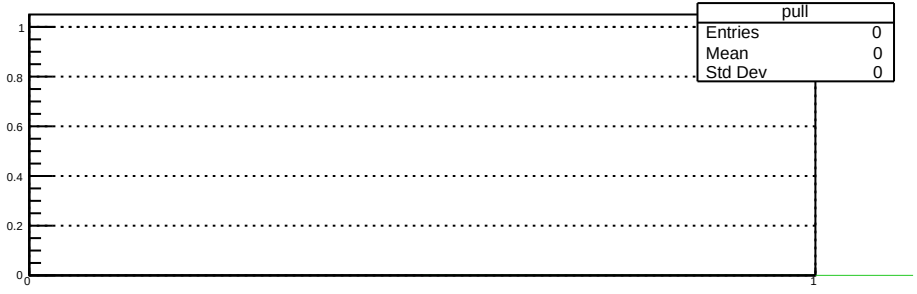

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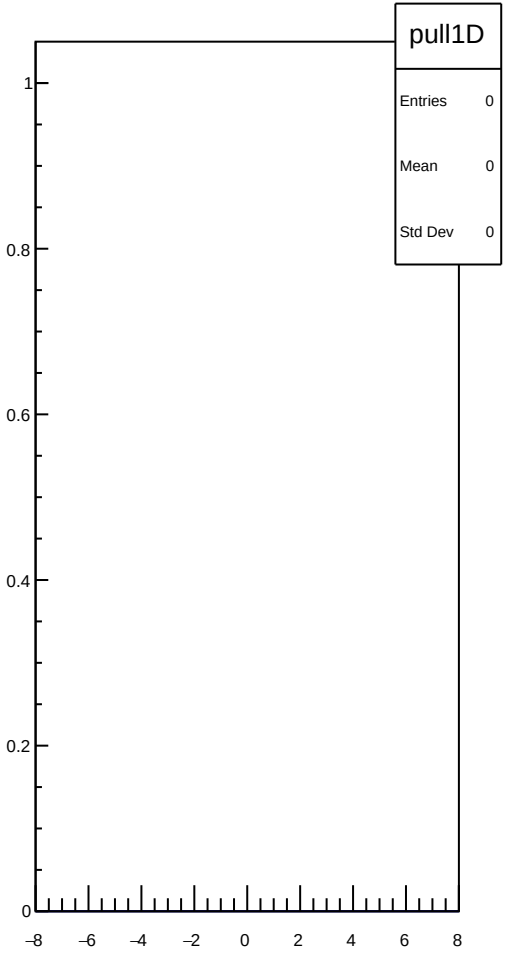

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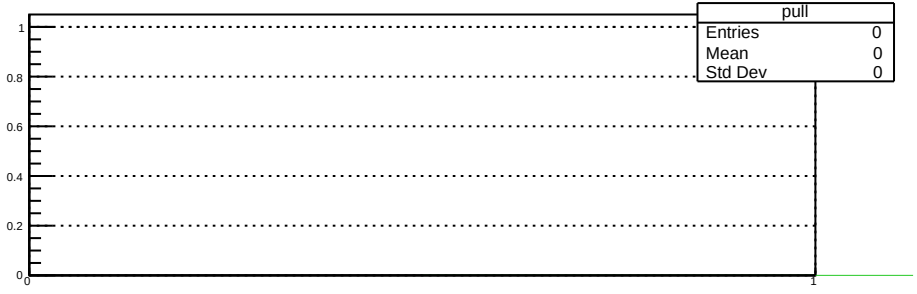

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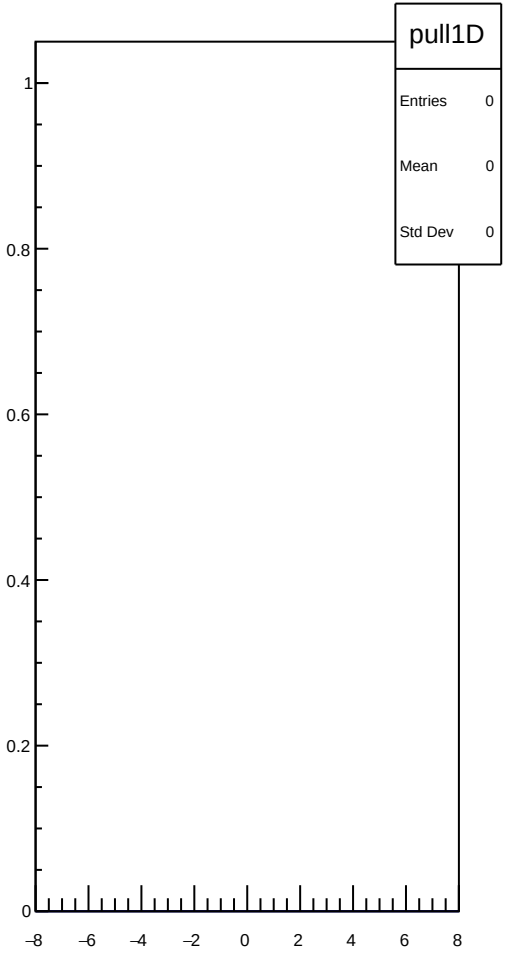

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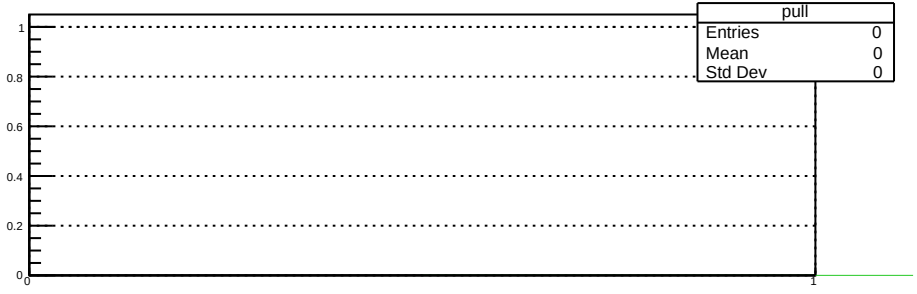

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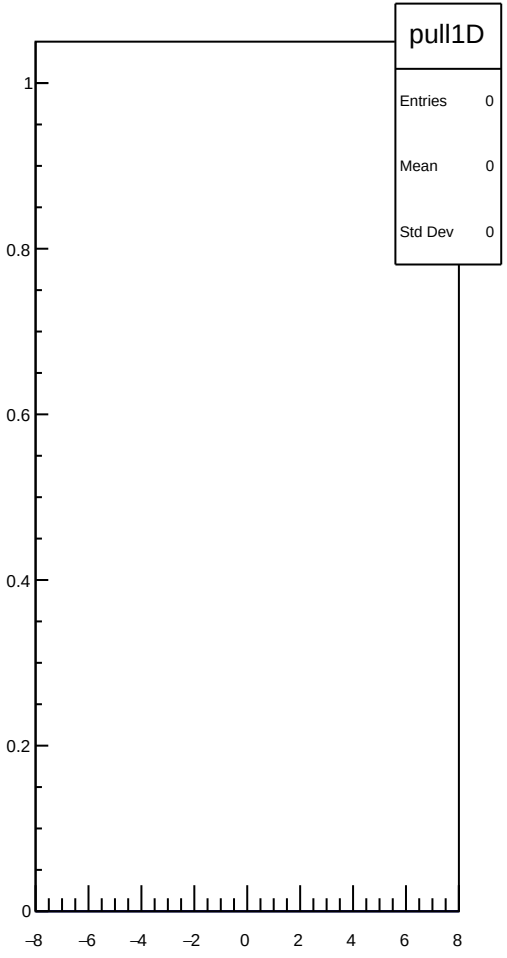

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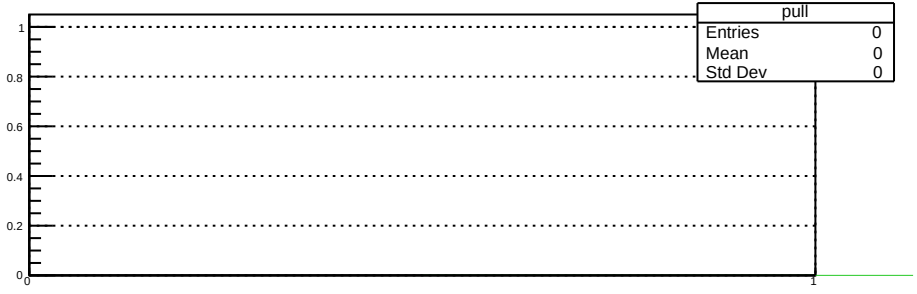

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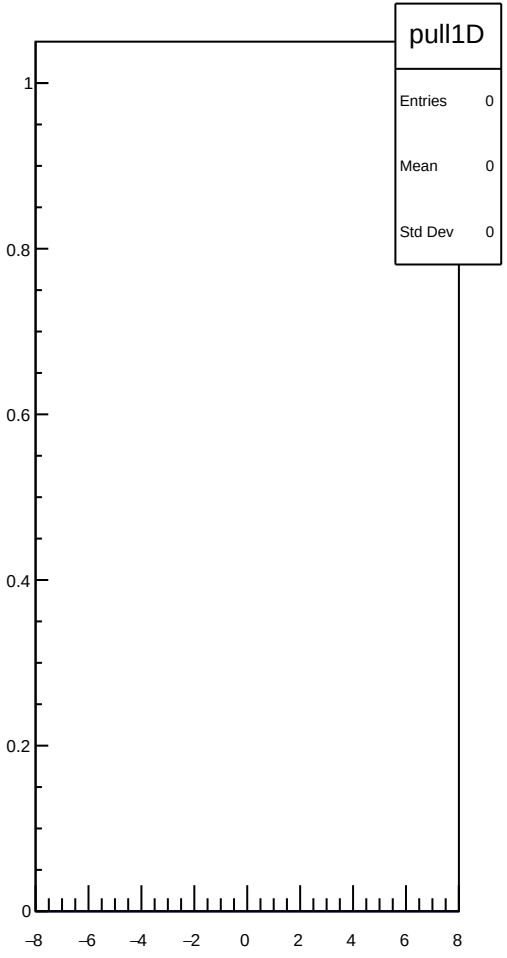

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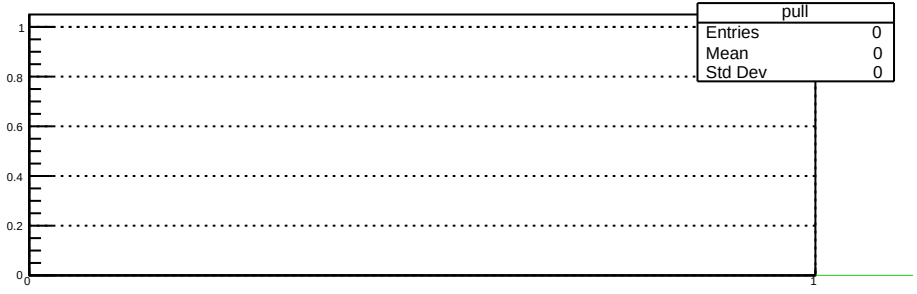

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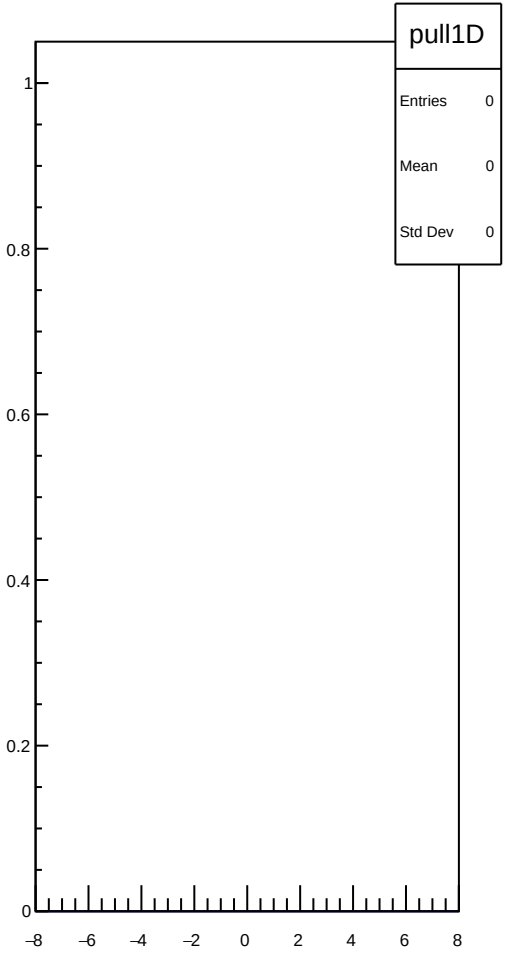

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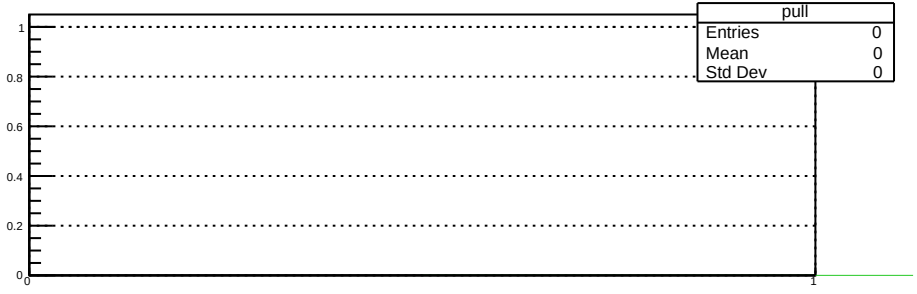

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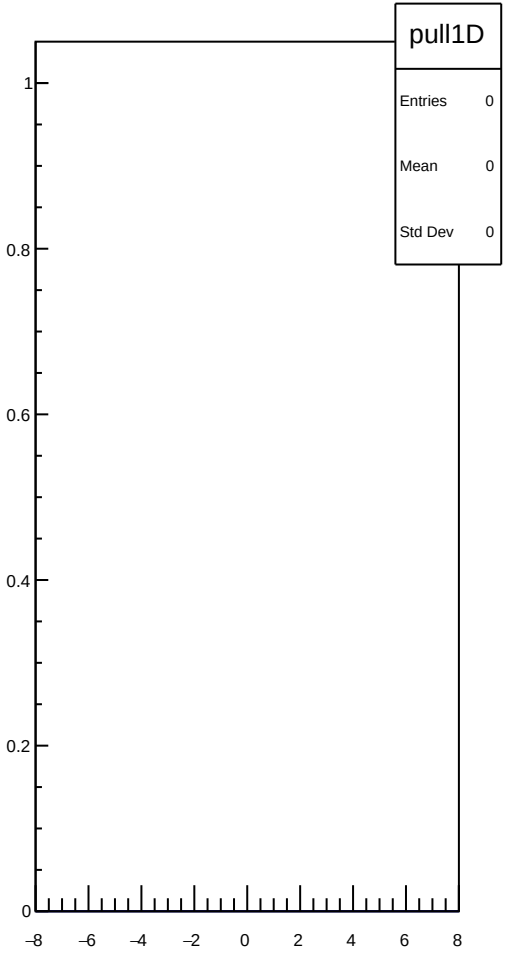

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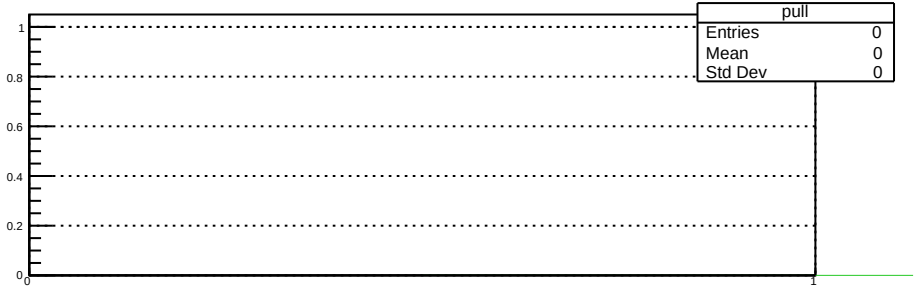

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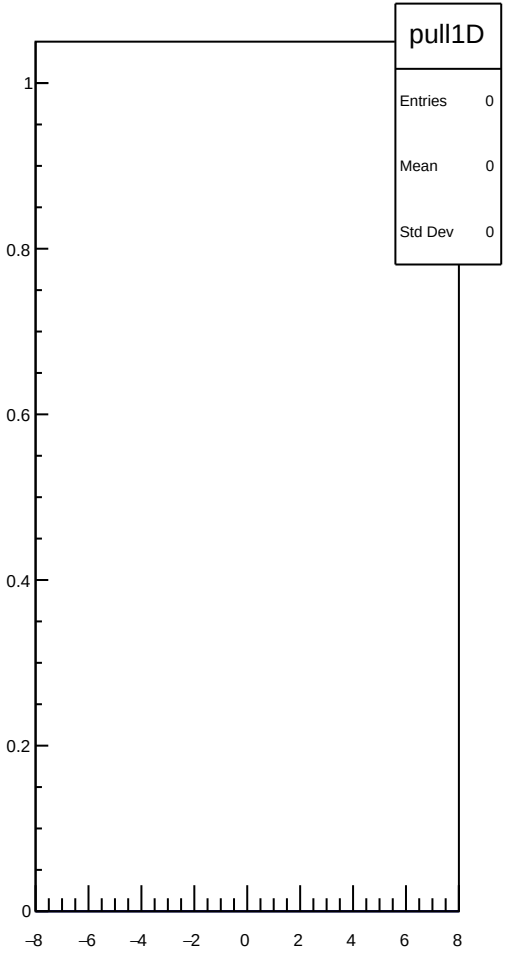

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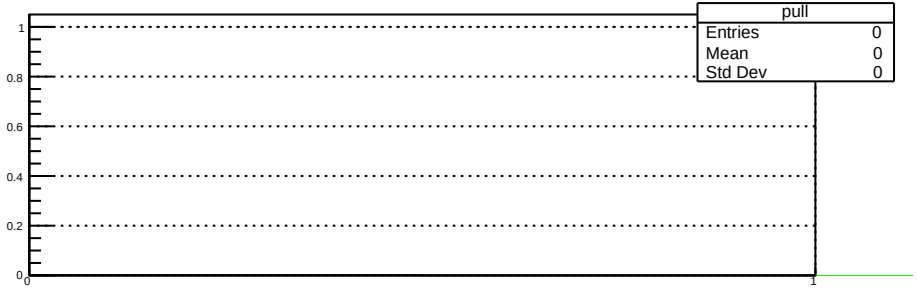

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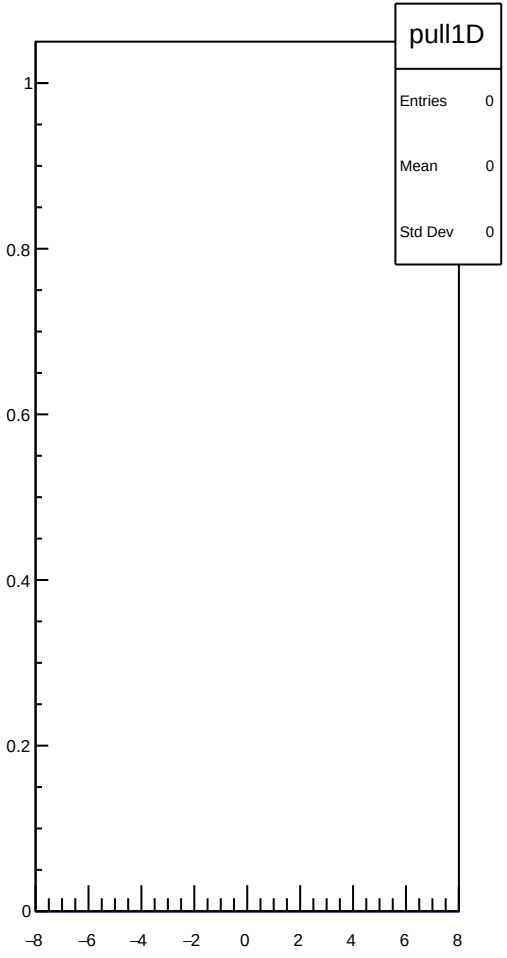

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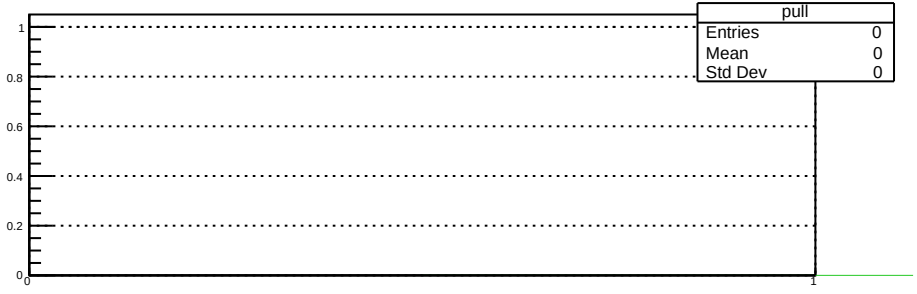

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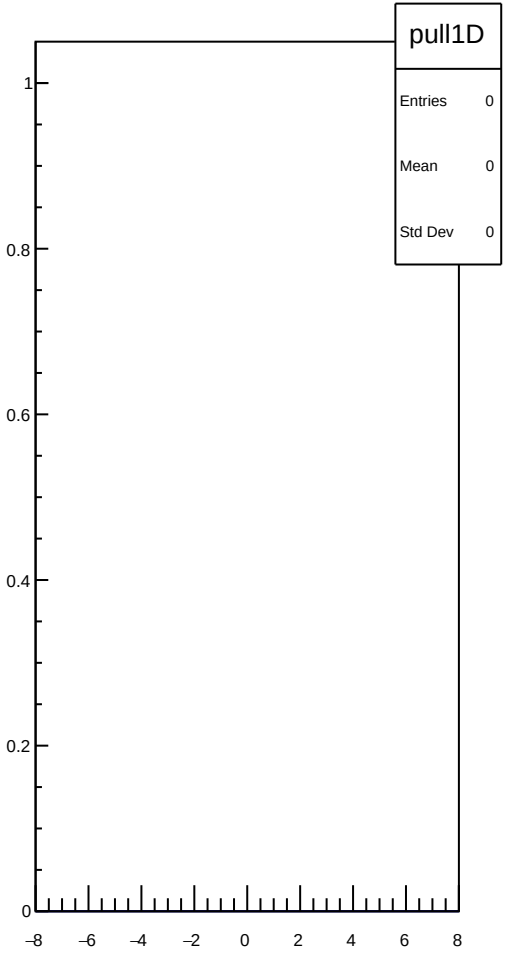

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Std Dev 0
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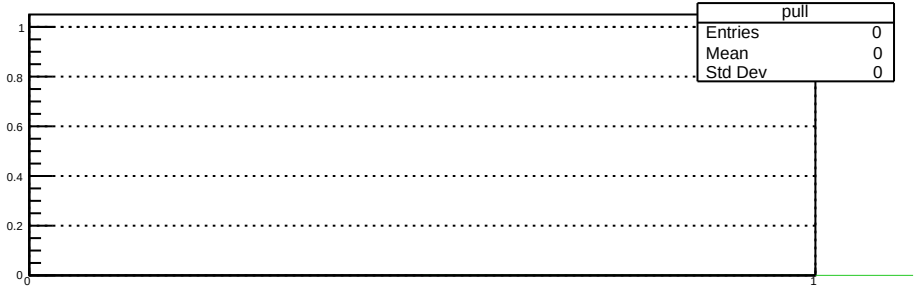

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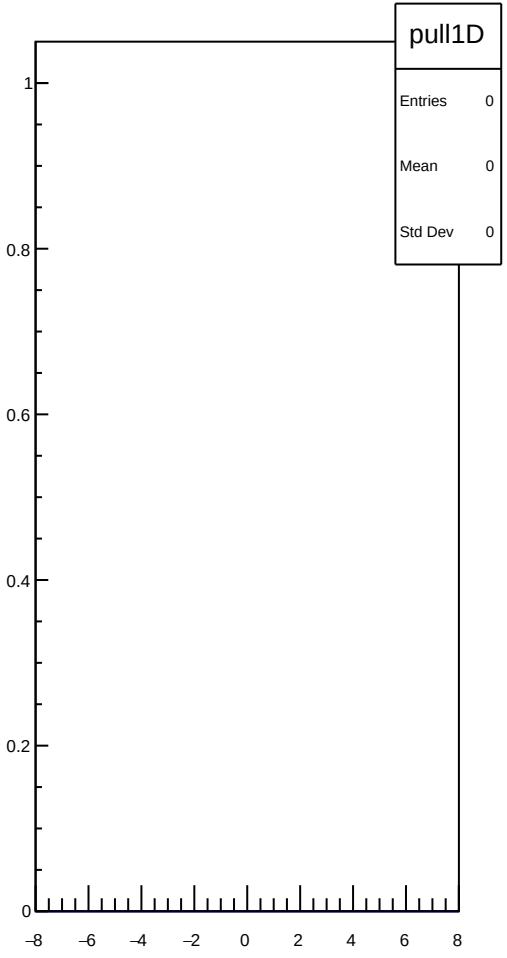

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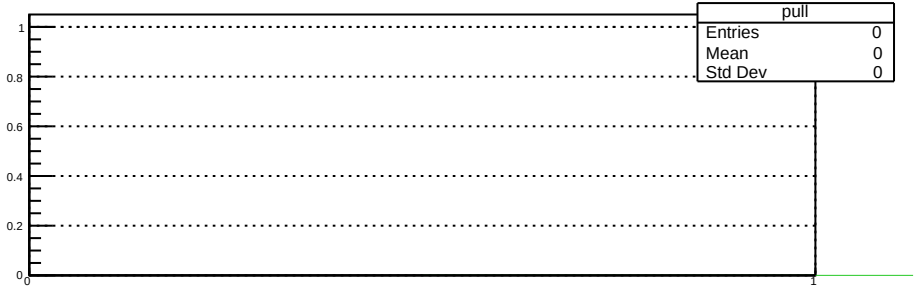

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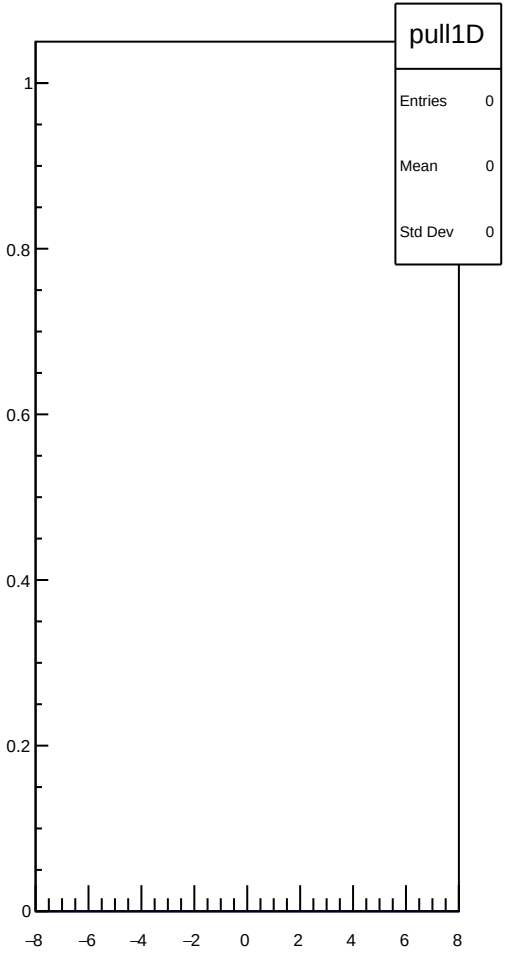

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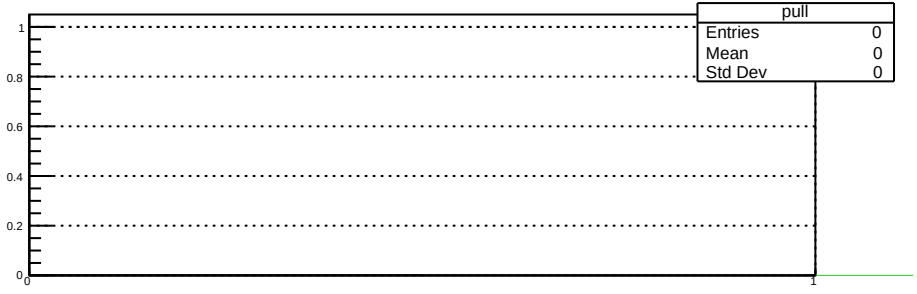

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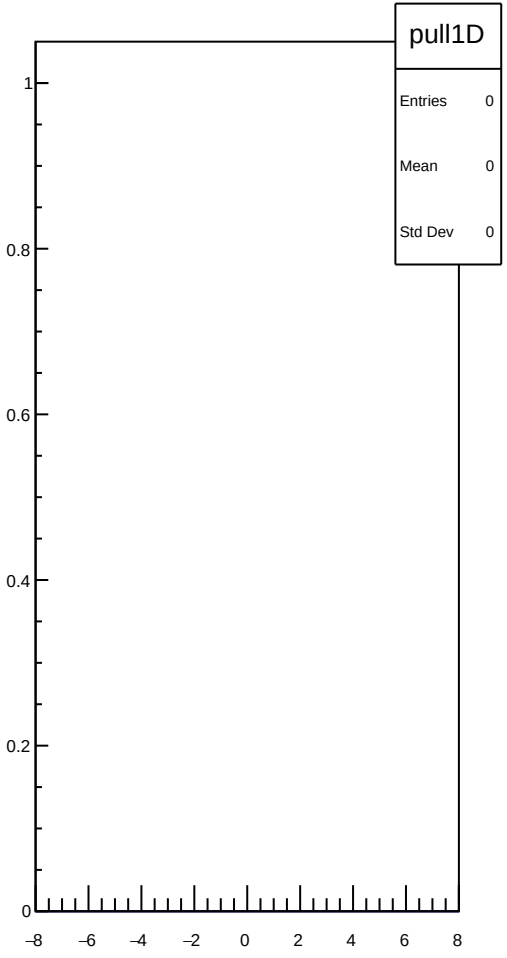

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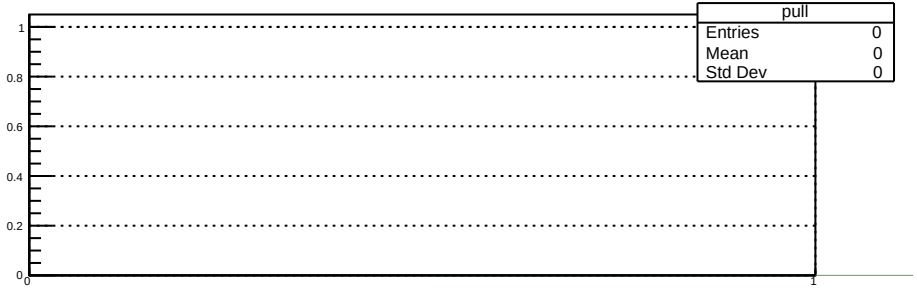

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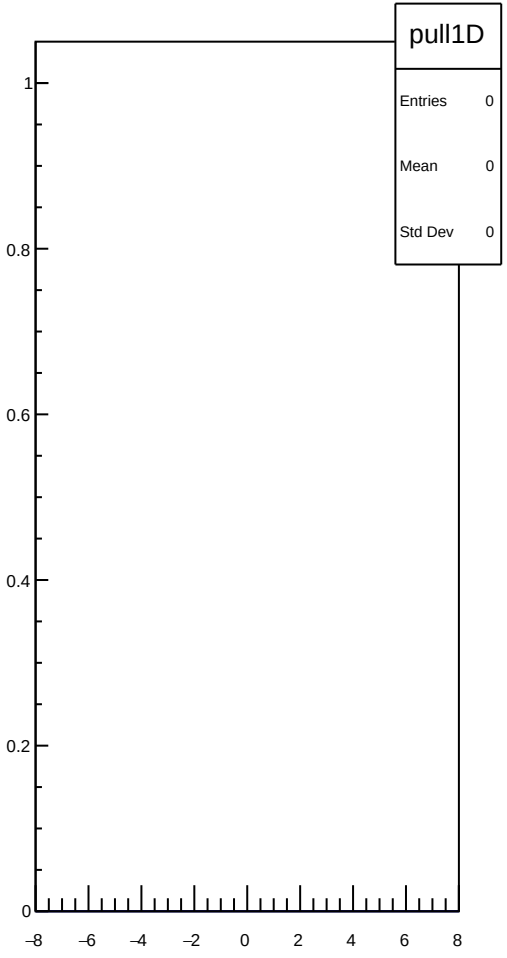

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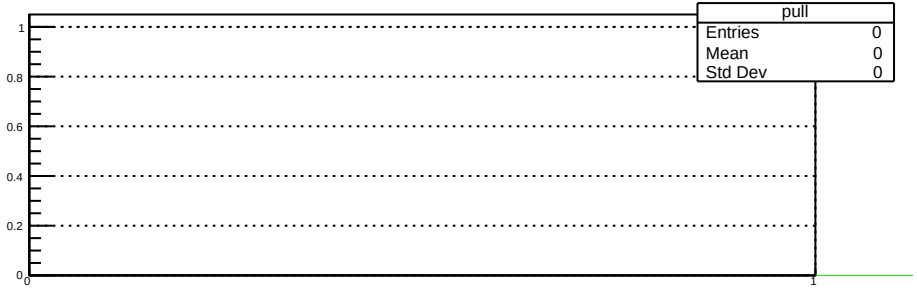

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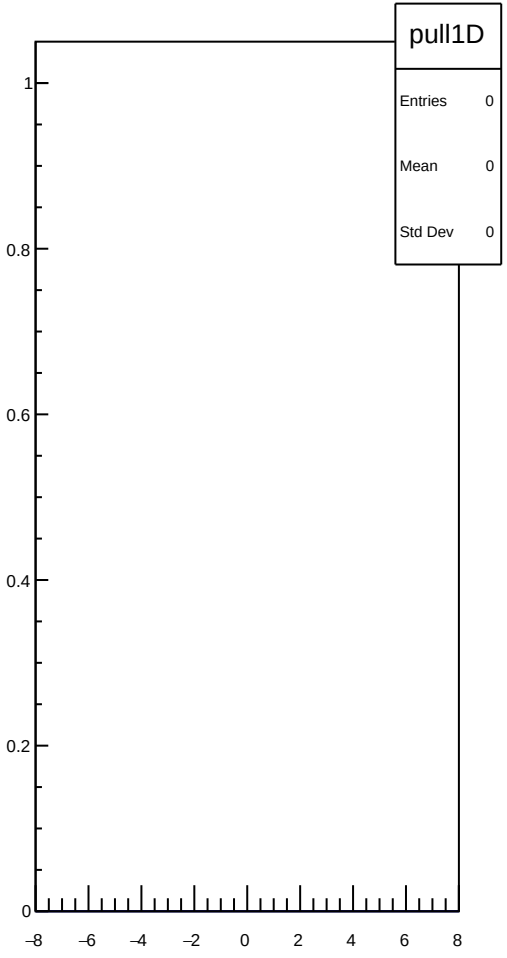

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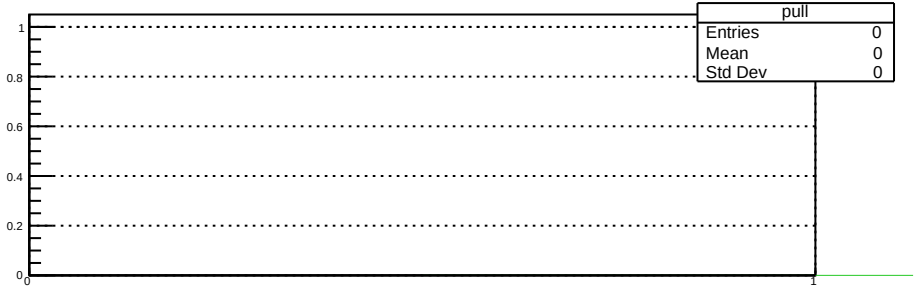

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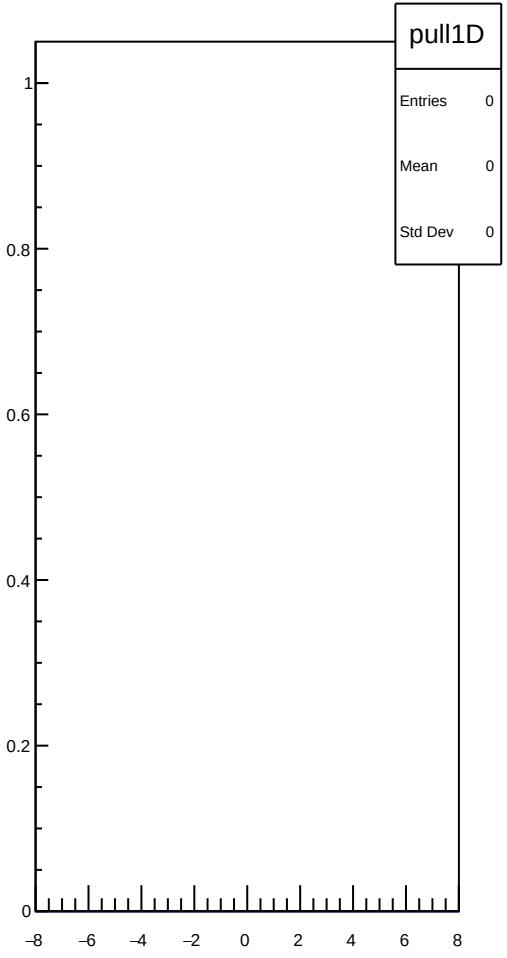

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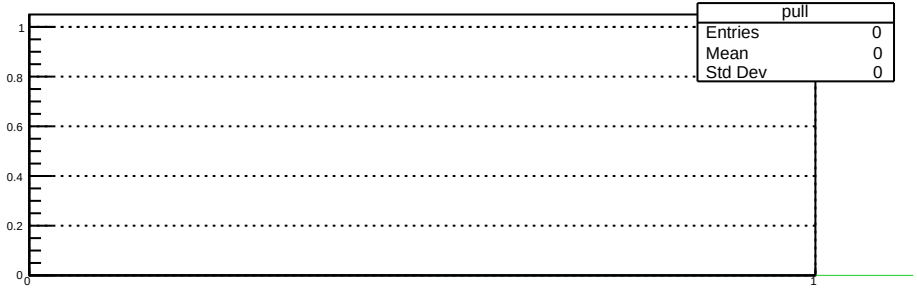

pull1D
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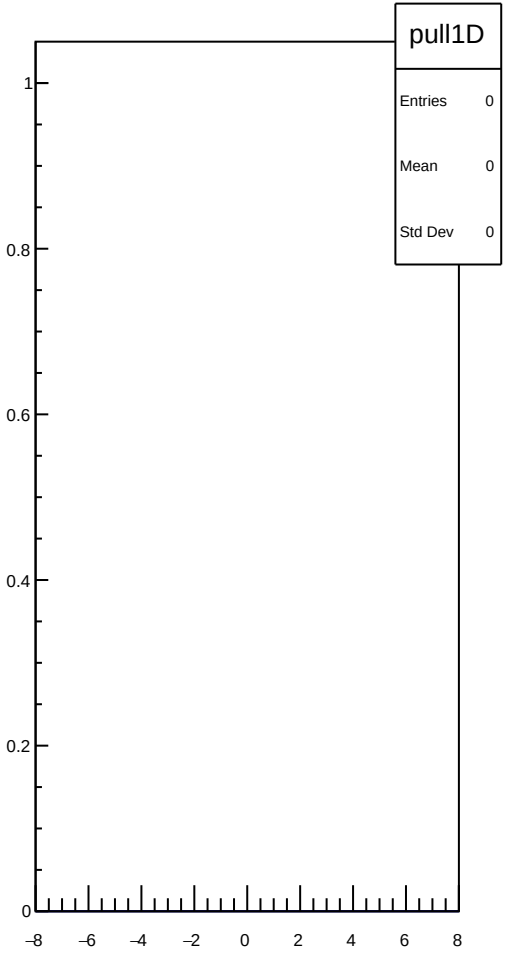

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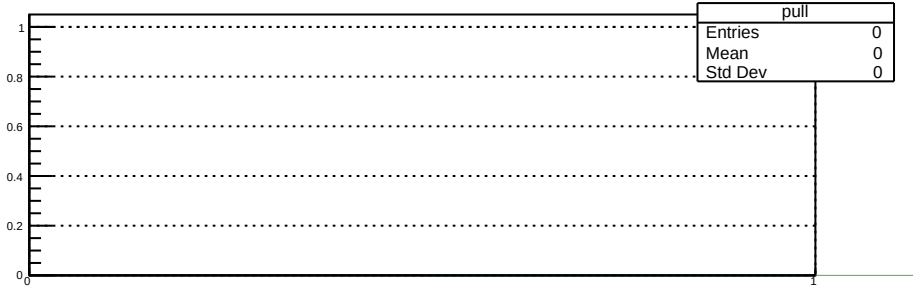

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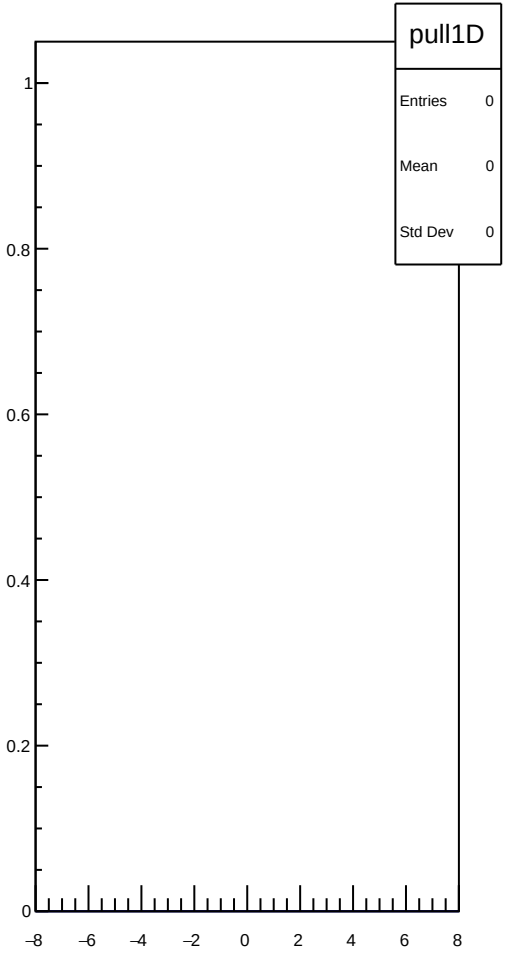

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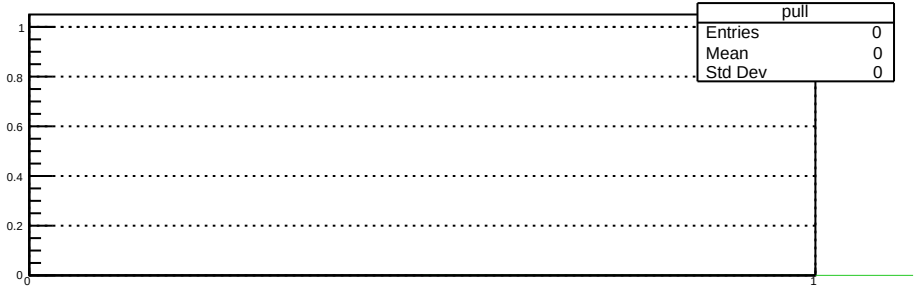

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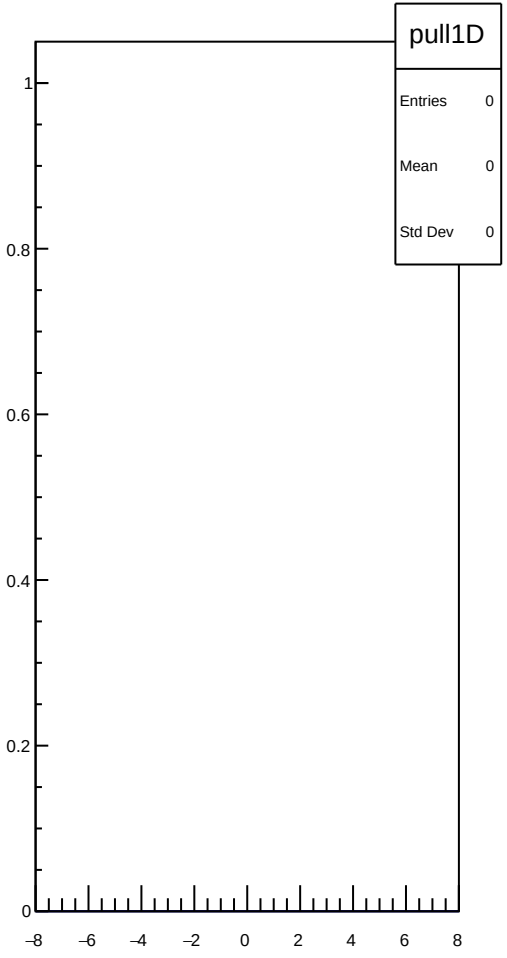

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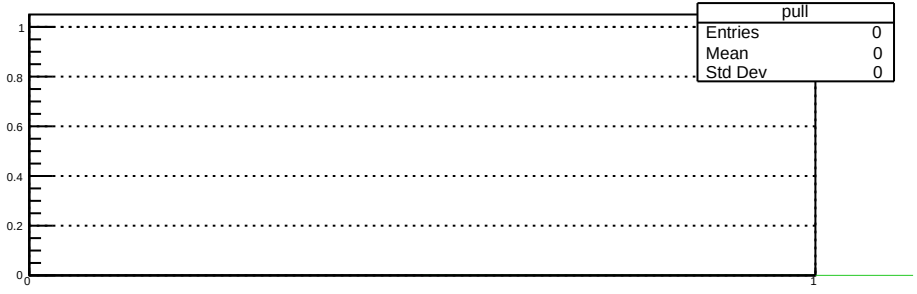

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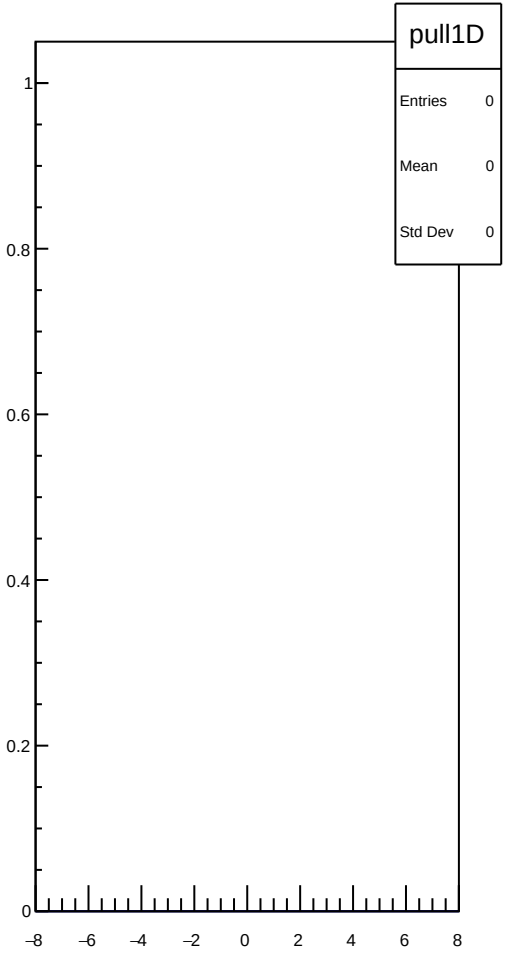

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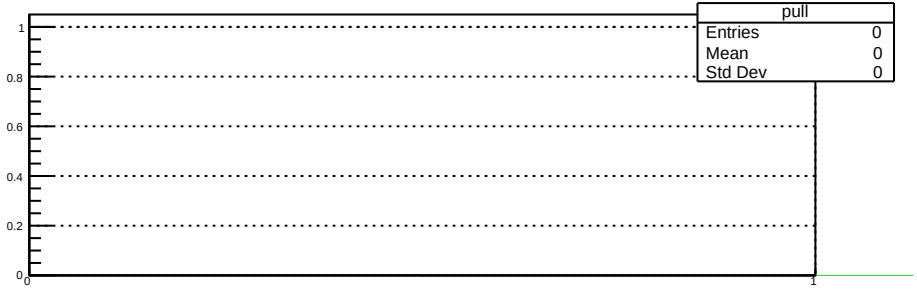

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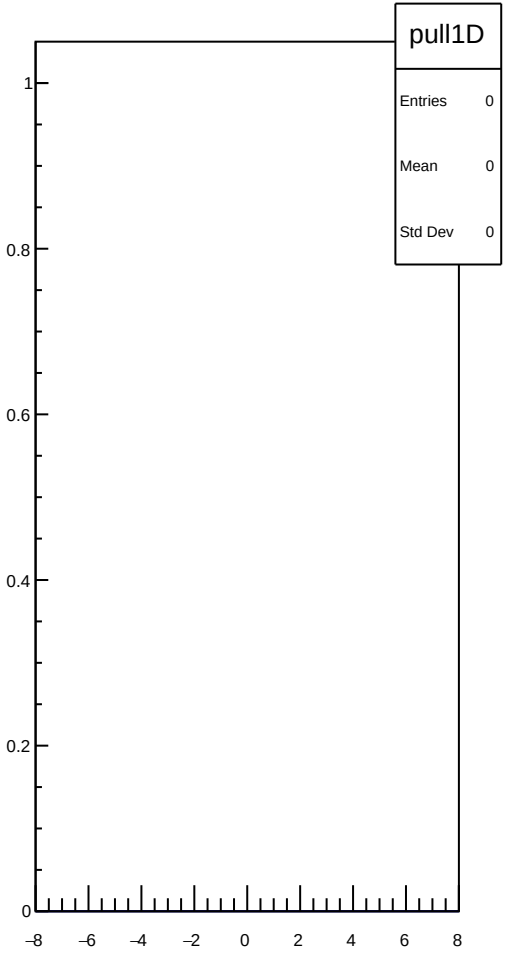

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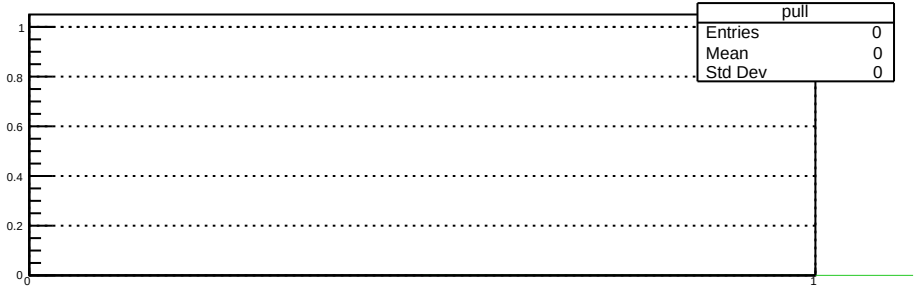

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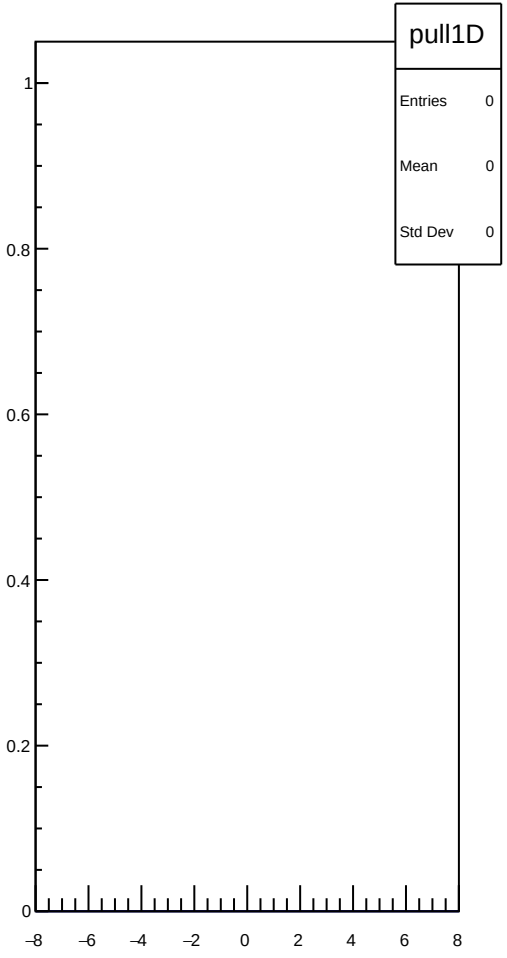

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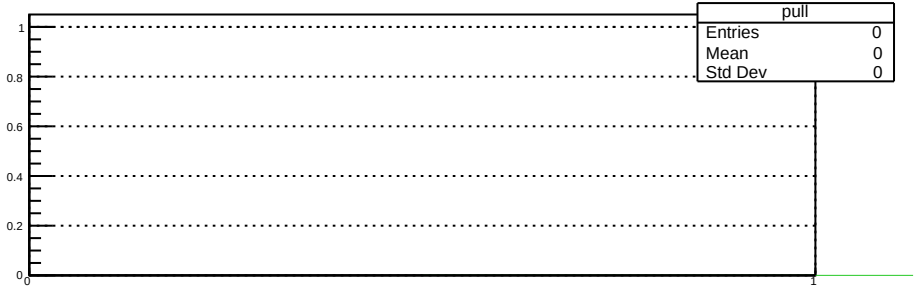

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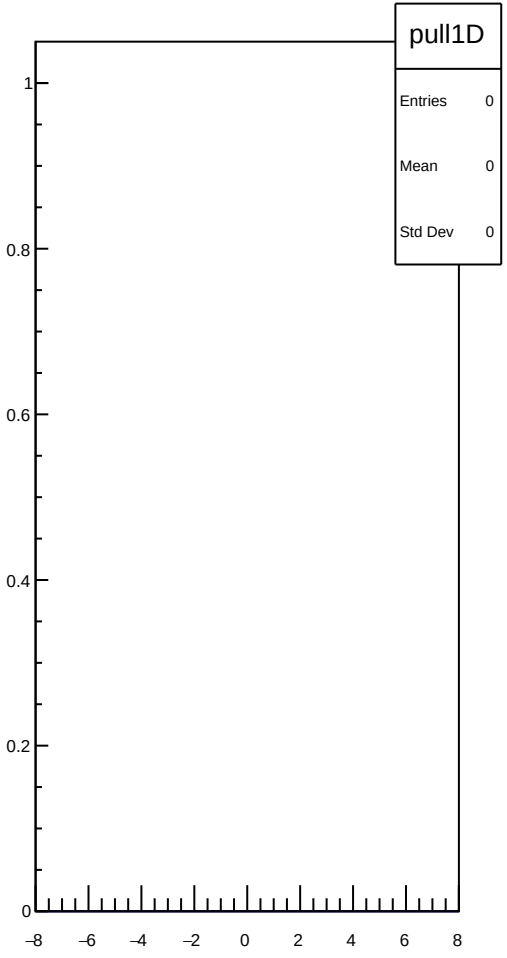

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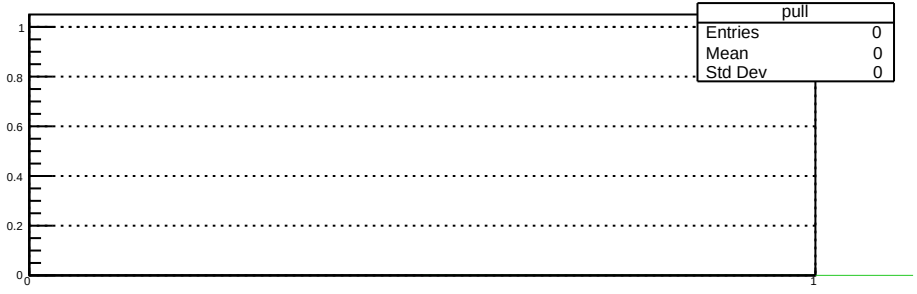

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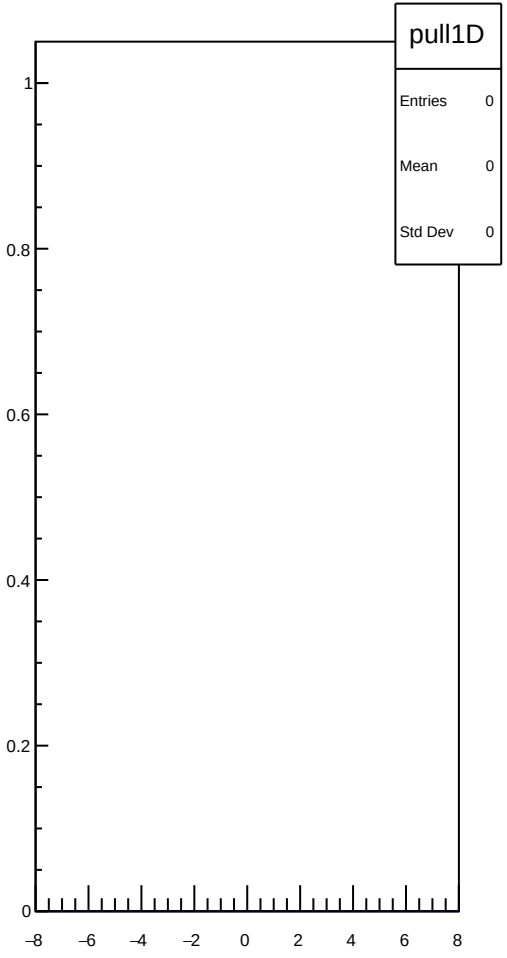

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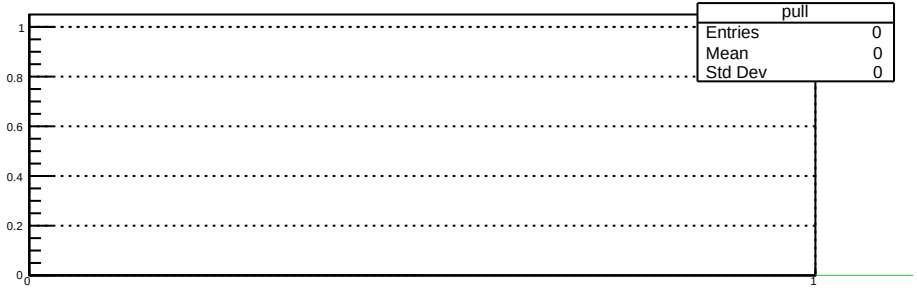

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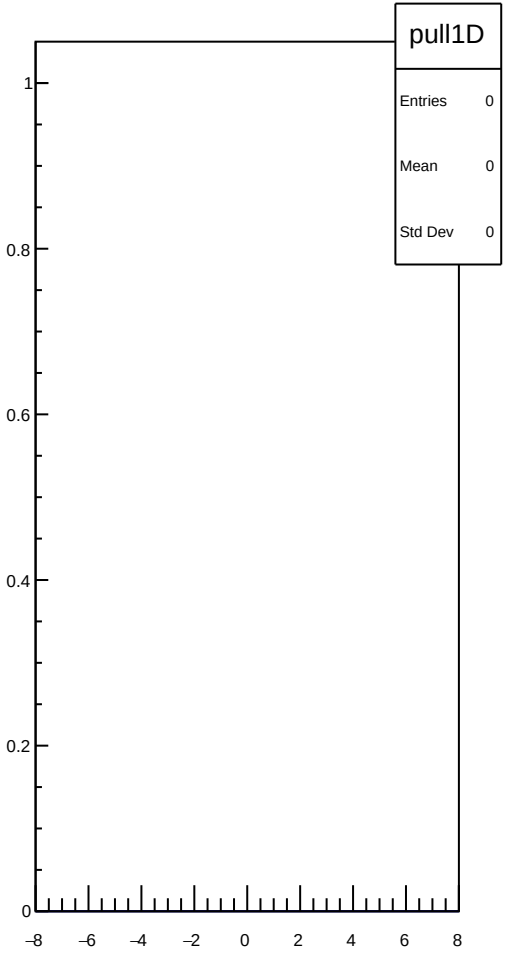

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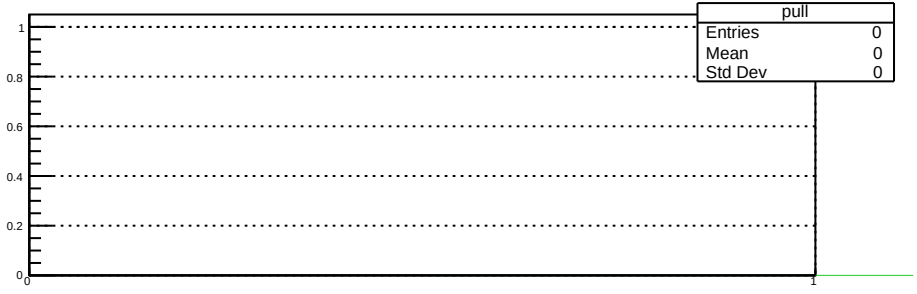

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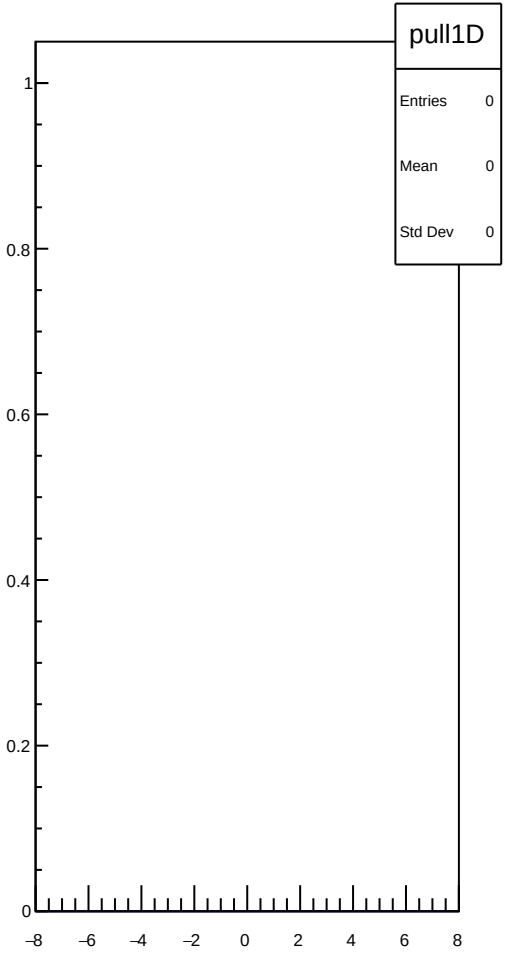

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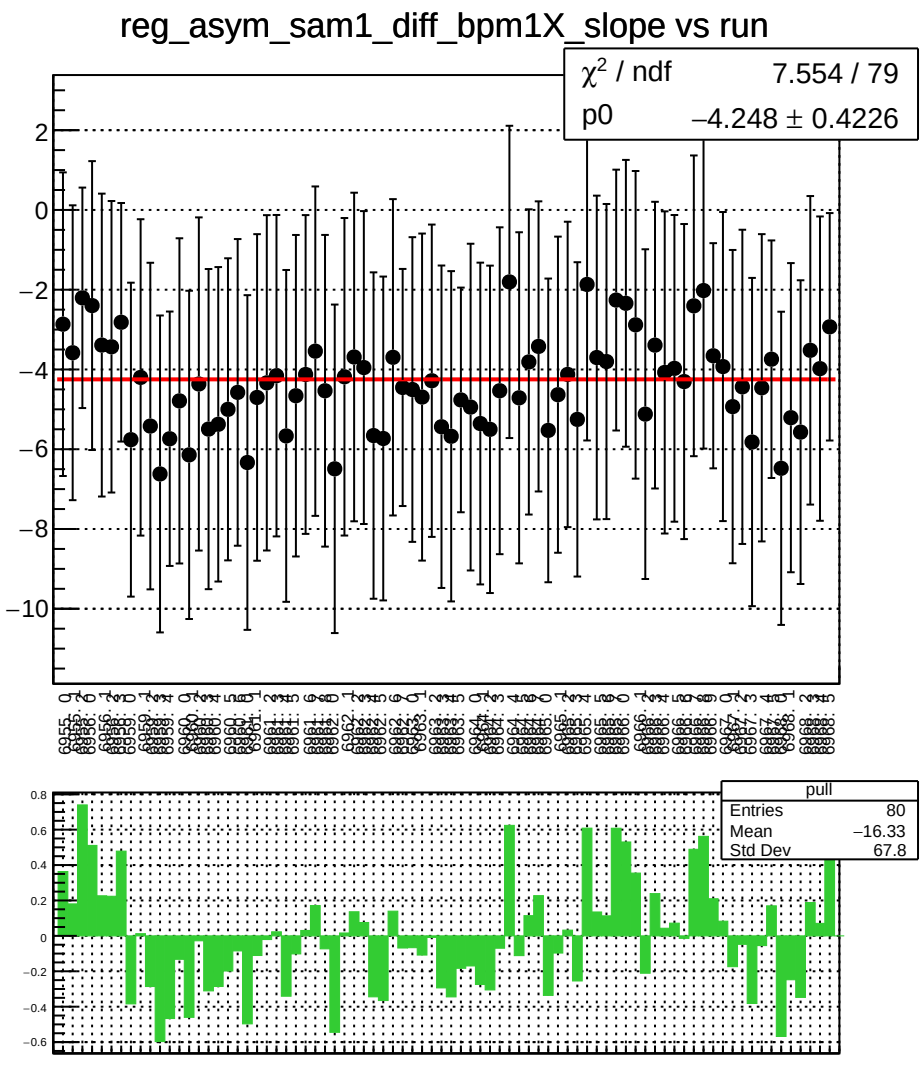

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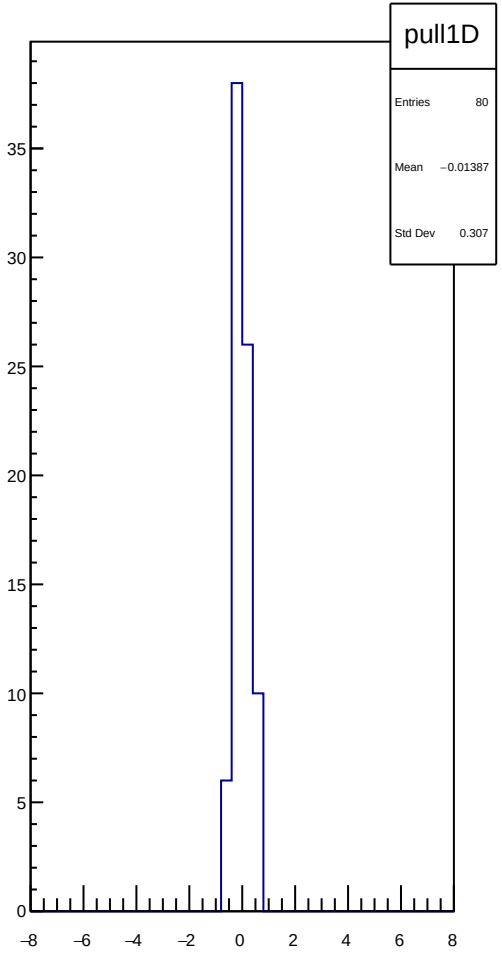

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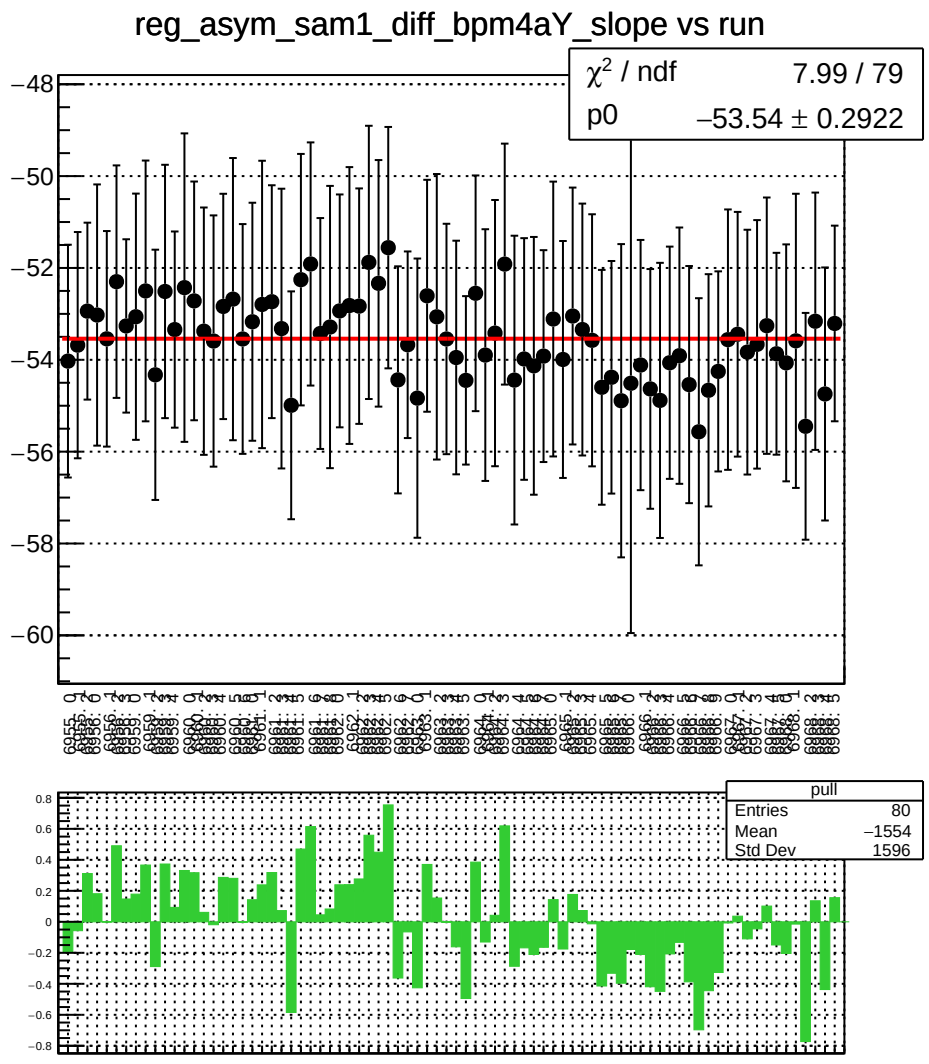

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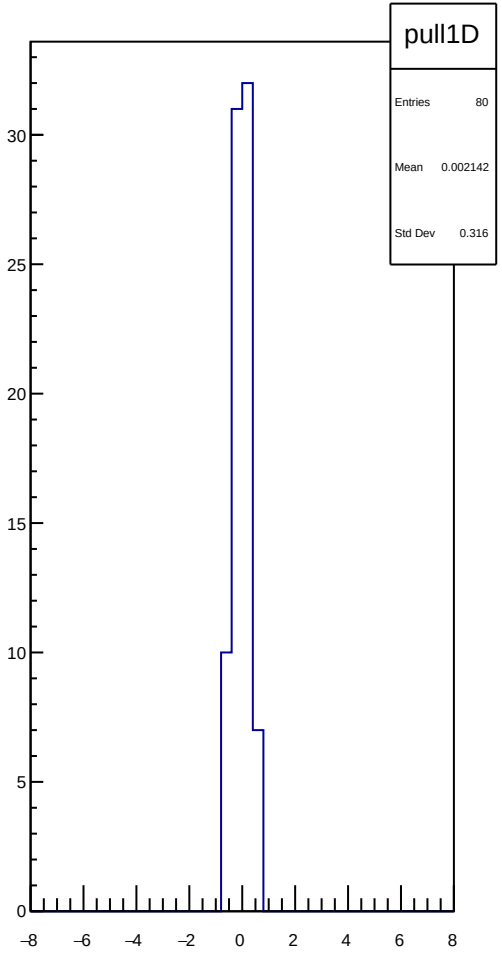

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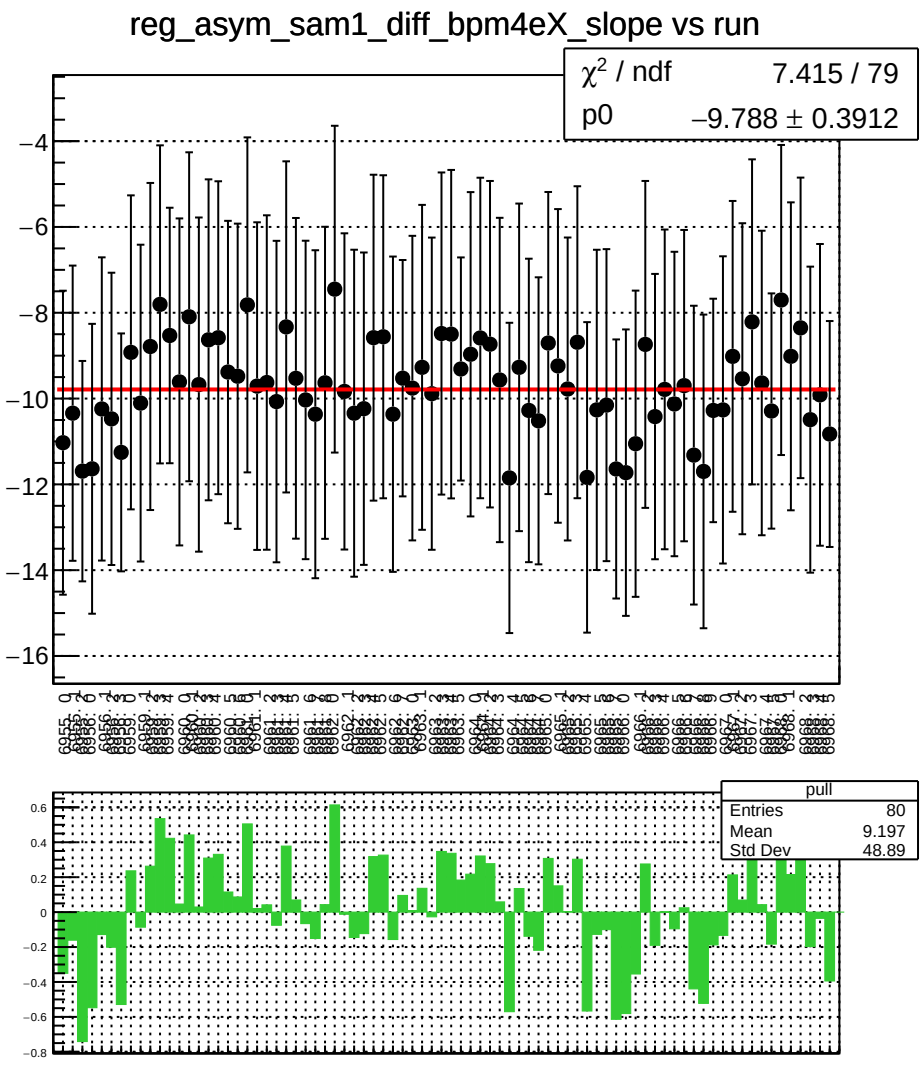

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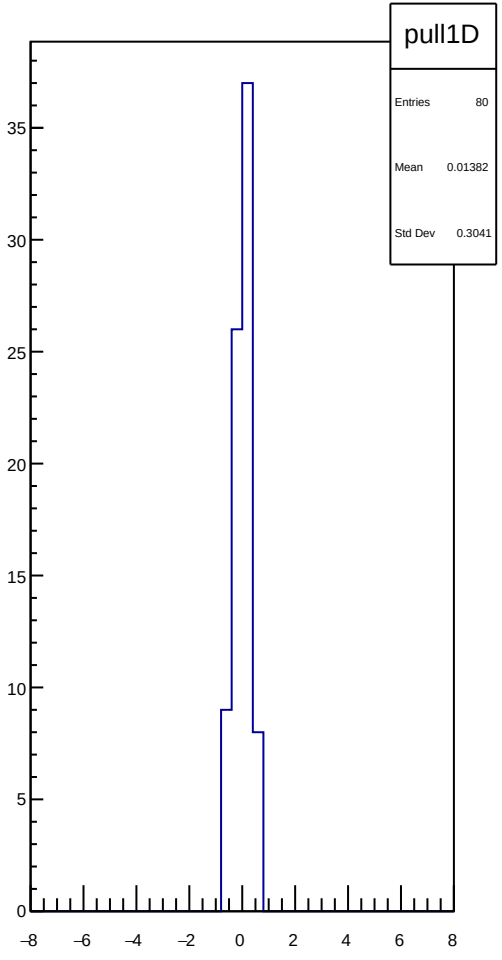

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 7.554 / 79
p0 −4.248 ± 0.4226
pull
Entries 80
Mean −16.33
Std Dev 67.8

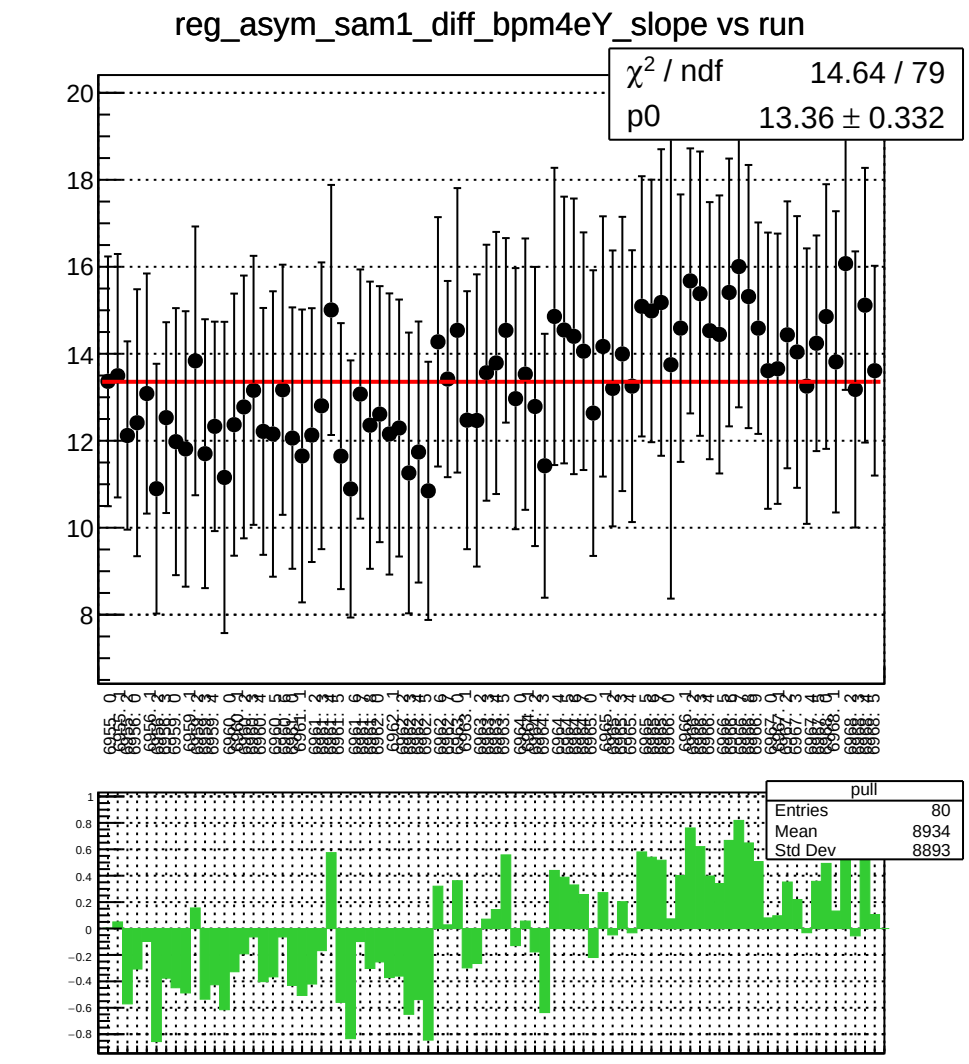

pull1D
Entries 80
Mean −0.01387
Std Dev 0.307

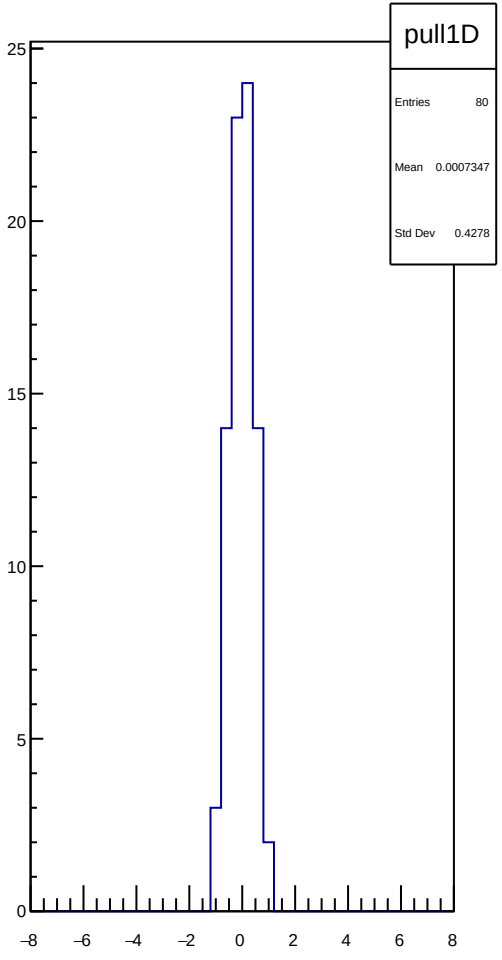

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 7.99 / 79
p0 −53.54 ± 0.2922
pull
Entries 80
Mean −1554
Std Dev 1596

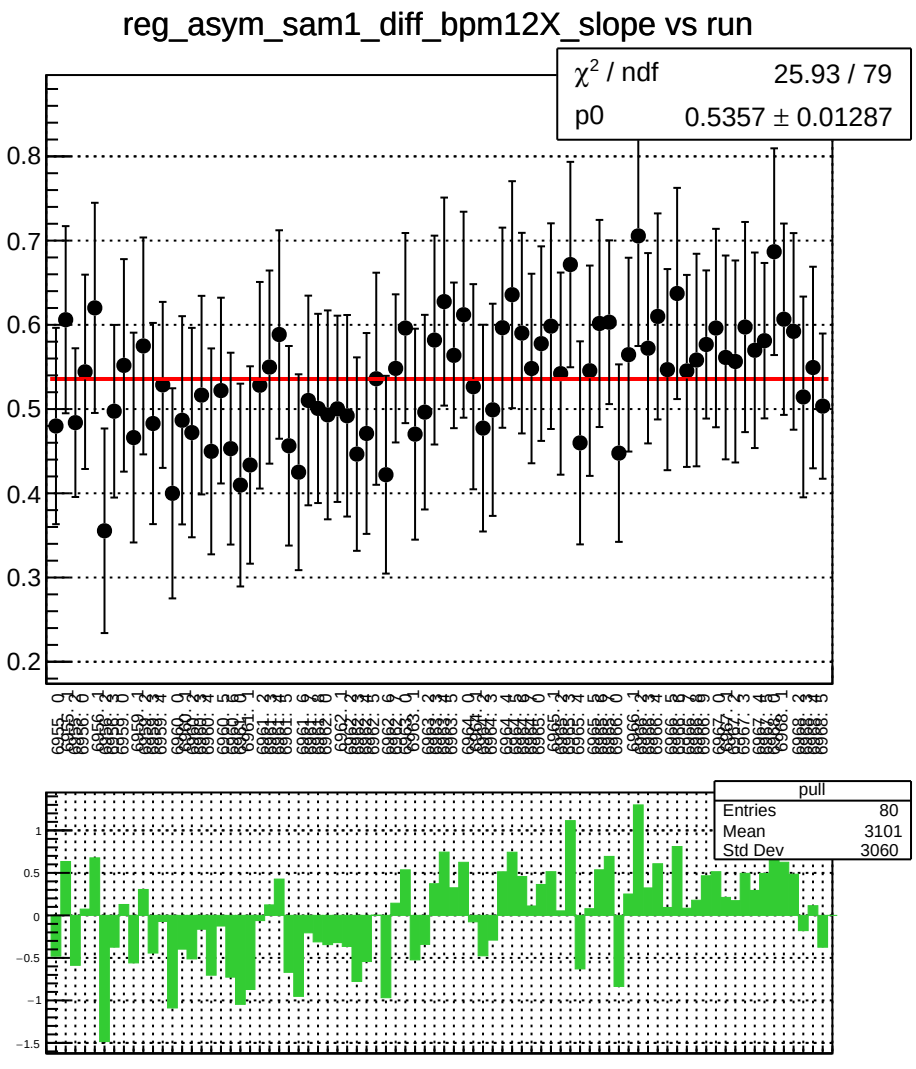

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Mean 0.002142
Std Dev 0.316

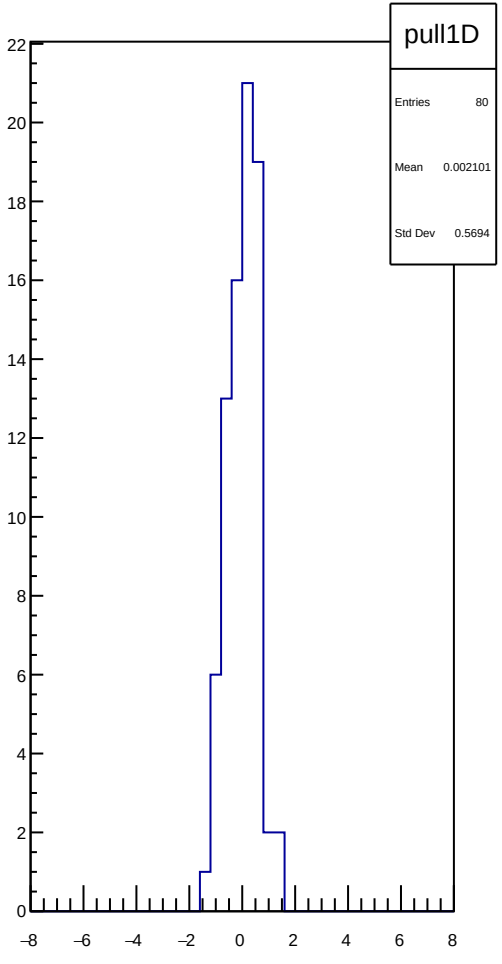

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 7.415 / 79
p0 −9.788 ± 0.3912
pull
Entries 80
Mean 9.197
Std Dev 48.89

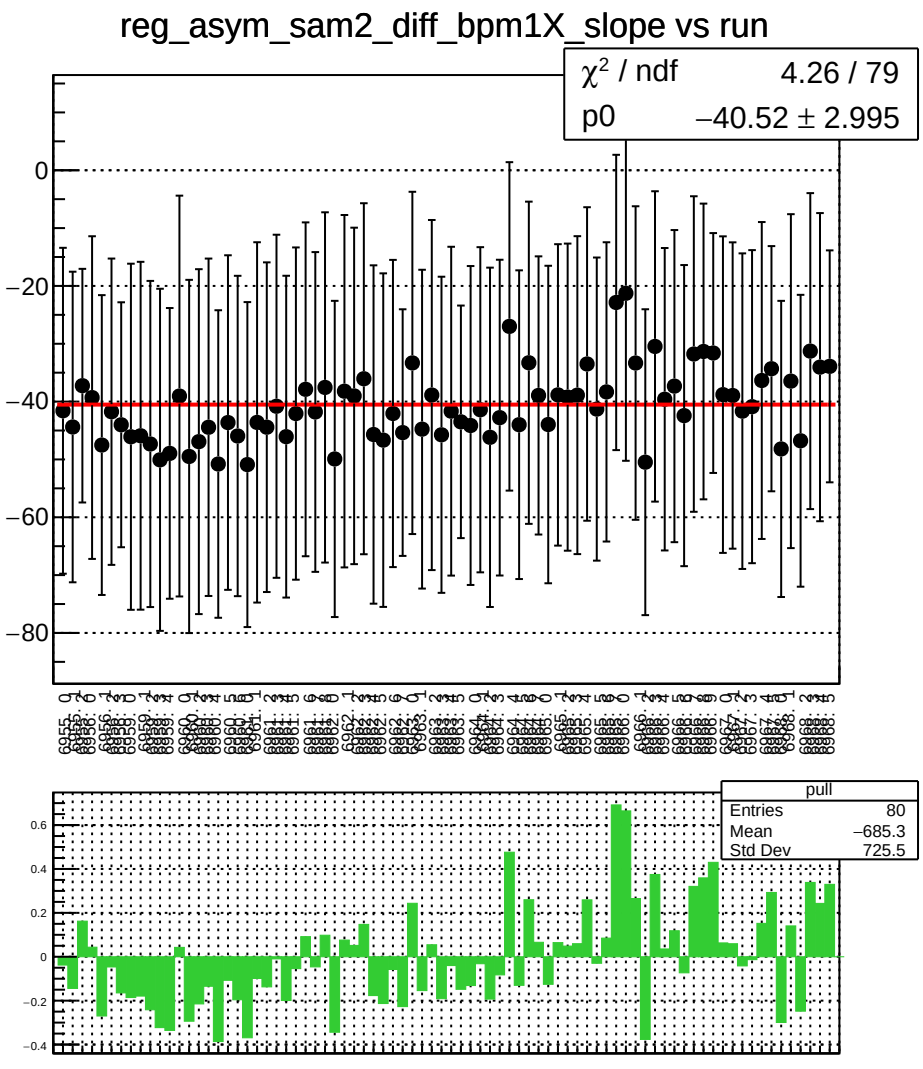

pull1D
Entries 80
Mean 0.01382
Std Dev 0.3041

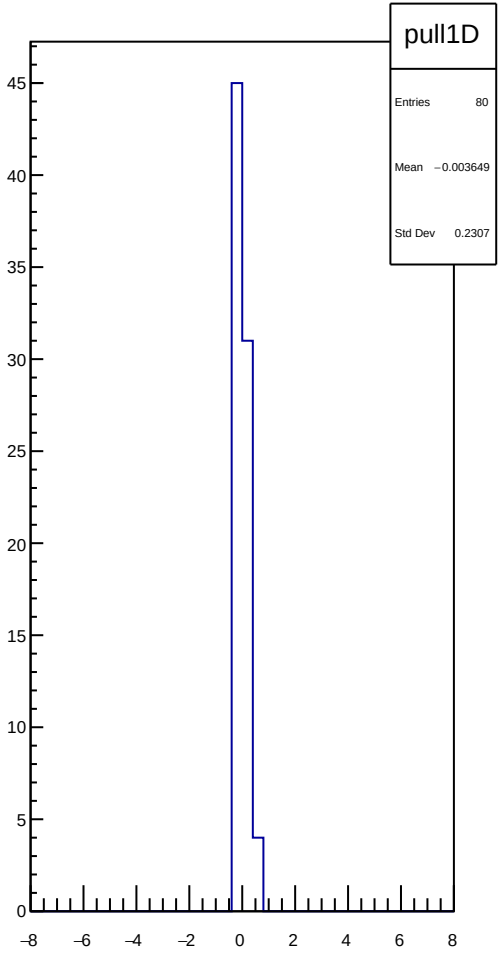

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 14.64 / 79
p0 13.36 ± 0.332
pull
Entries 80
Mean 8934
Std Dev 8893

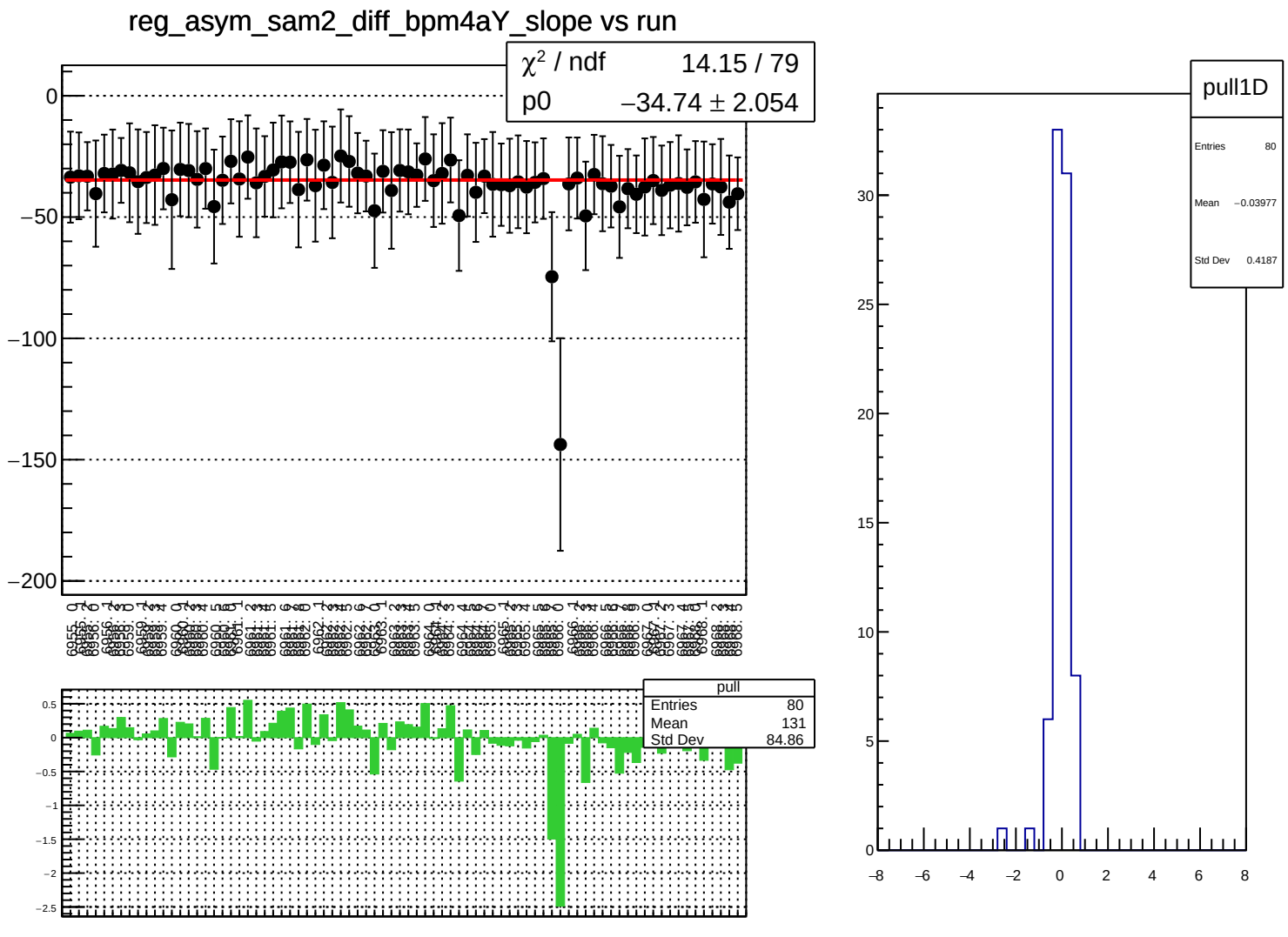

pull1D
Entries 80
Mean 0.0007347
Std Dev 0.4278

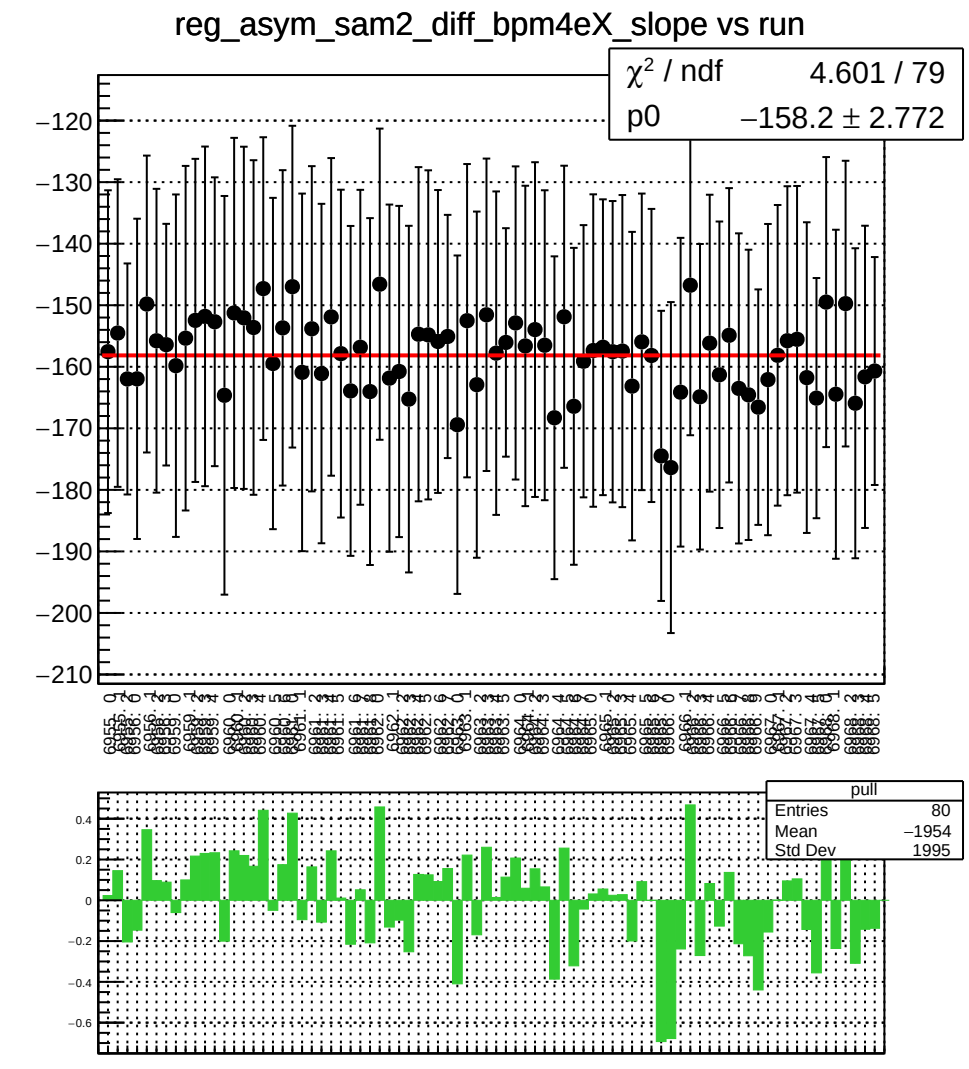

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 25.93 / 79
p0 0.5357 ± 0.01287
pull
Entries 80
Mean 3101
Std Dev 3060

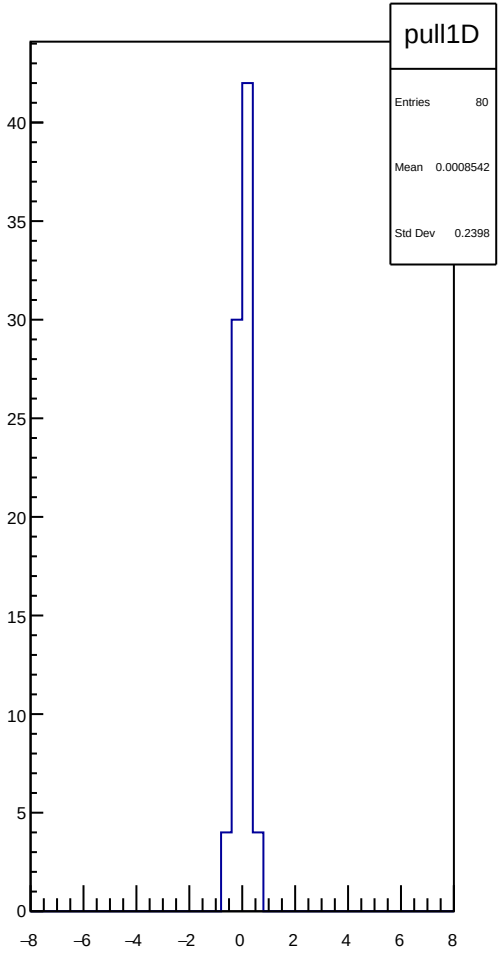

pull1D
Entries 80
Mean 0.002101
Std Dev 0.5694

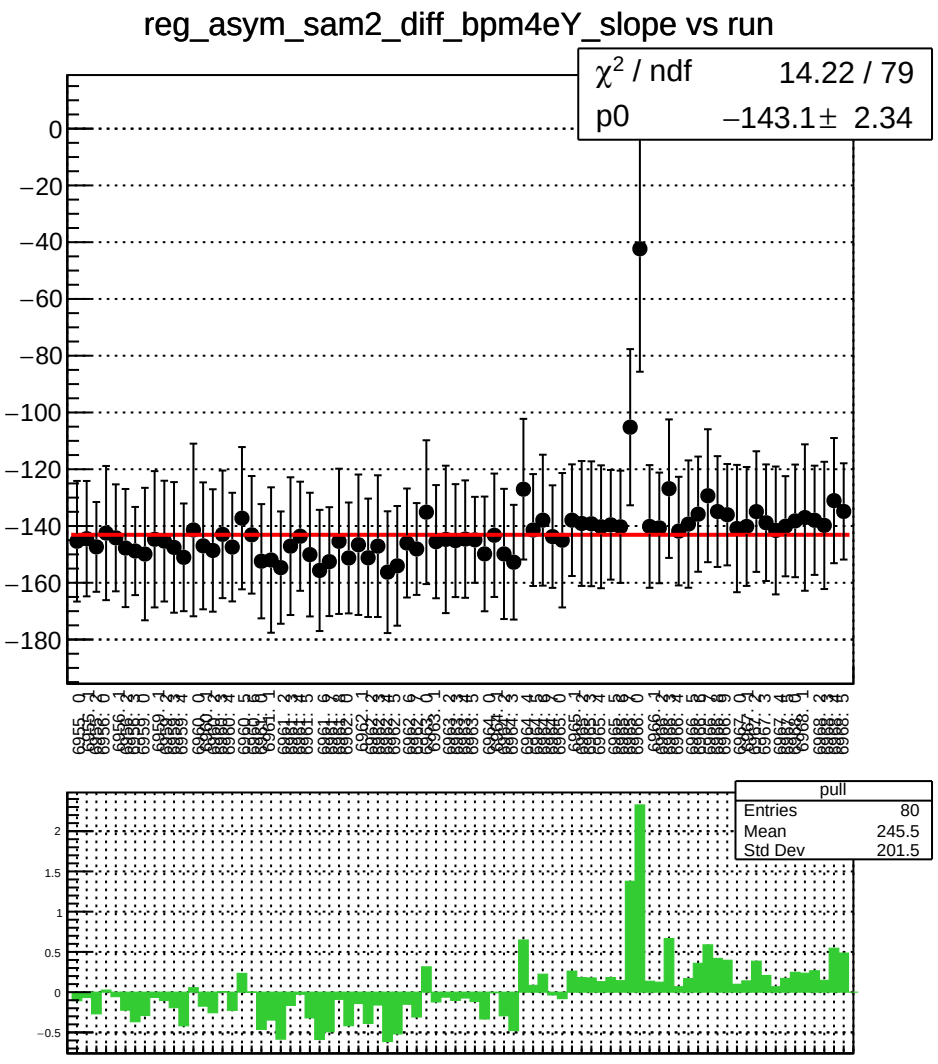

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 4.26 / 79
p0 −40.52 ± 2.995
pull
Entries 80
Mean −685.3
Std Dev 725.5

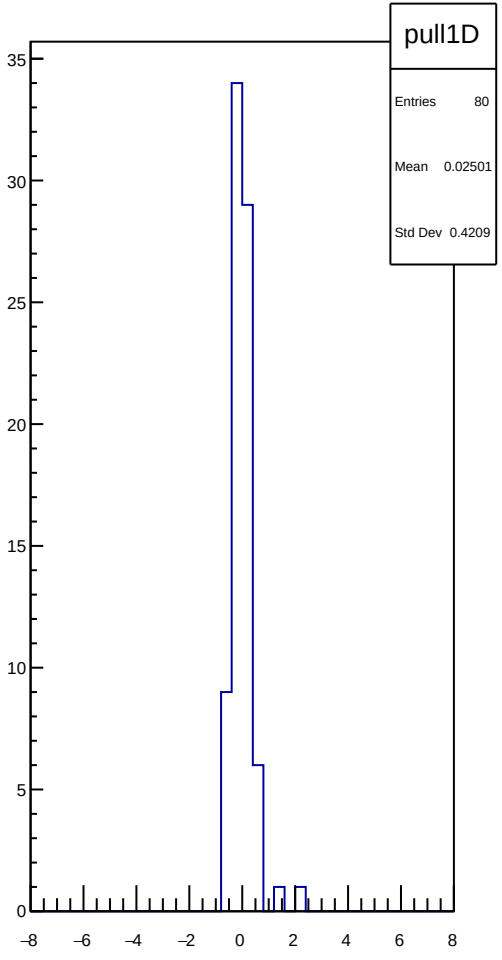

pull1D
Entries 80
Mean −0.003649
Std Dev 0.2307

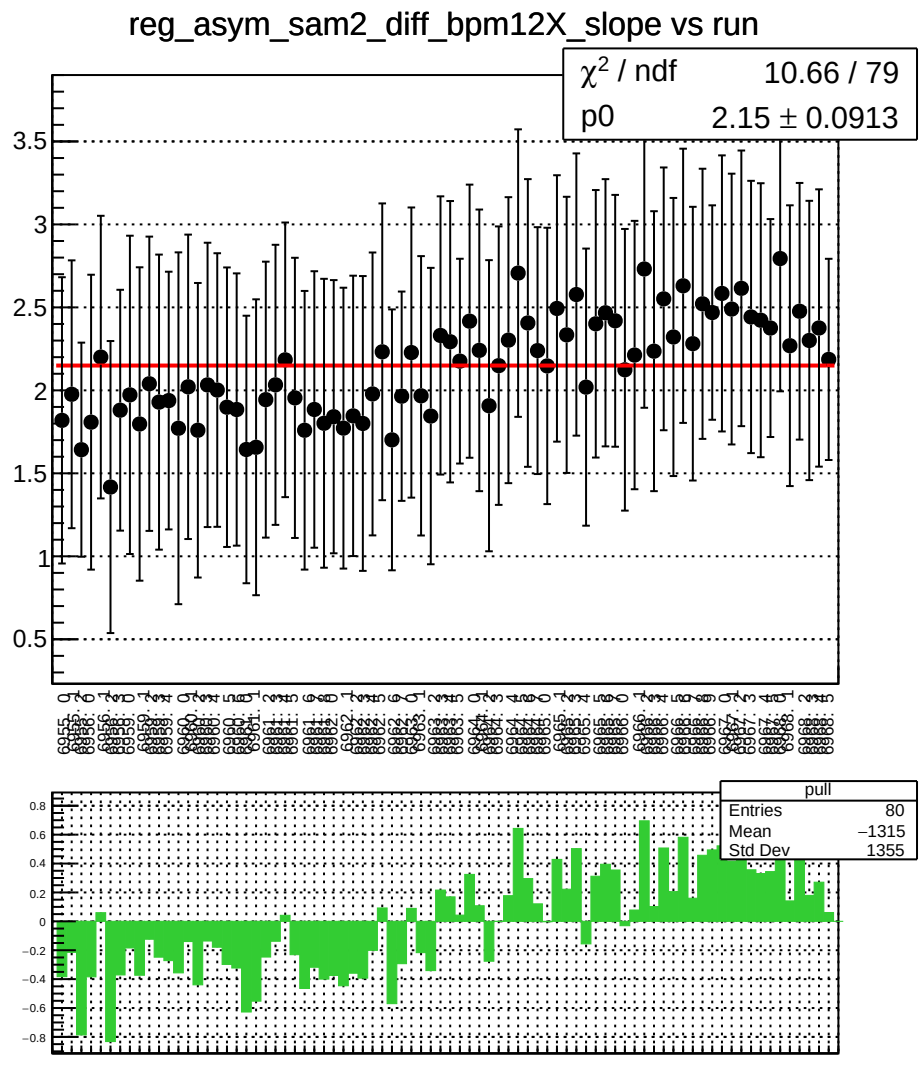

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.15 / 79
p0 −34.74 ± 2.054
pull
Entries 80
Mean 131
Std Dev 84.86
pull1D
Entries 80
Mean −0.03977
Std Dev 0.4187

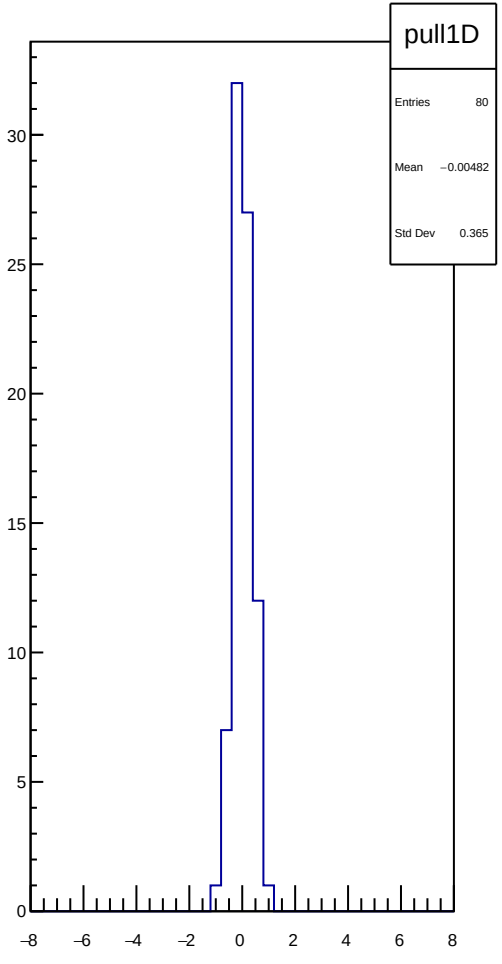

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.601 / 79
p0 −158.2 ± 2.772
pull
Entries 80
Mean −1954
Std Dev 1995

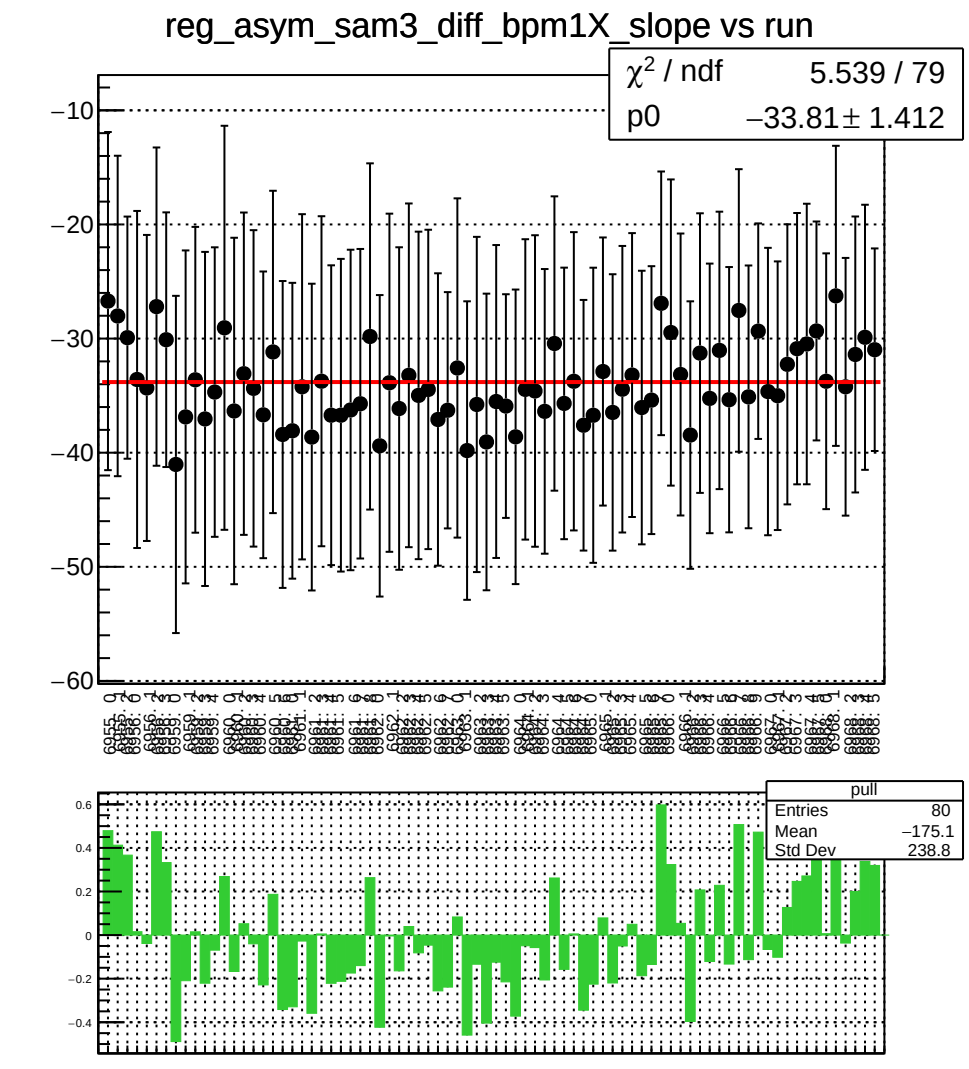

pull1D
Entries 80
Mean 0.0008542
Std Dev 0.2398

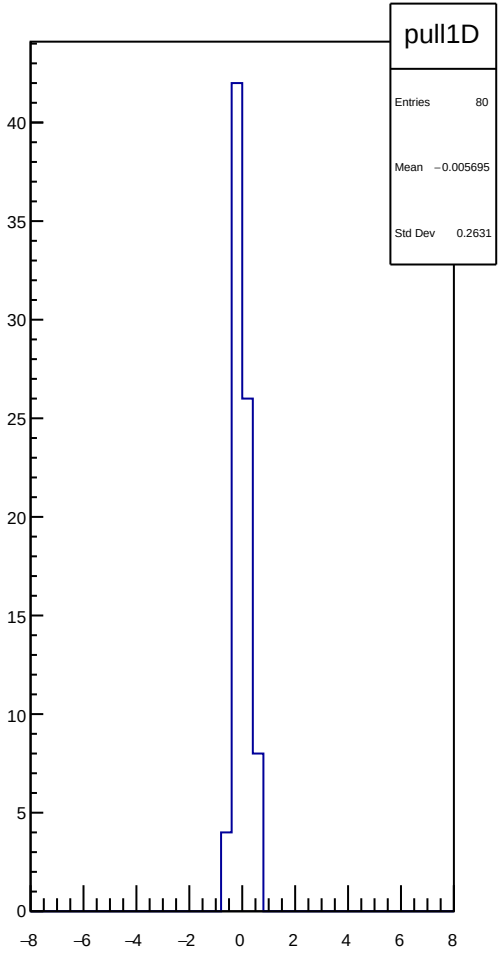

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 14.22 / 79
p0 −143.1± 2.34
pull
Entries 80
Mean 245.5
Std Dev 201.5

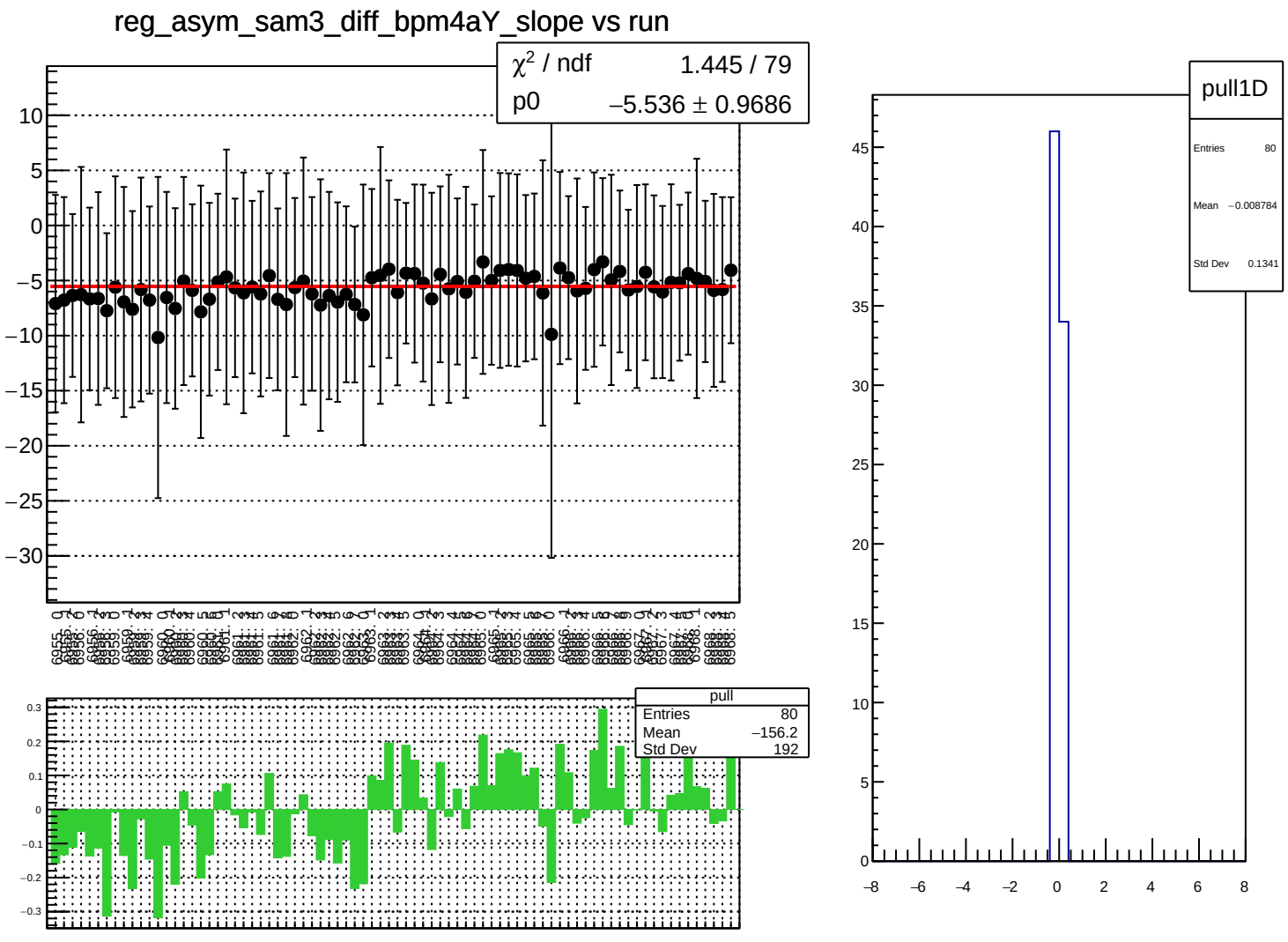

pull1D
Entries 80
Mean 0.02501
Std Dev 0.4209

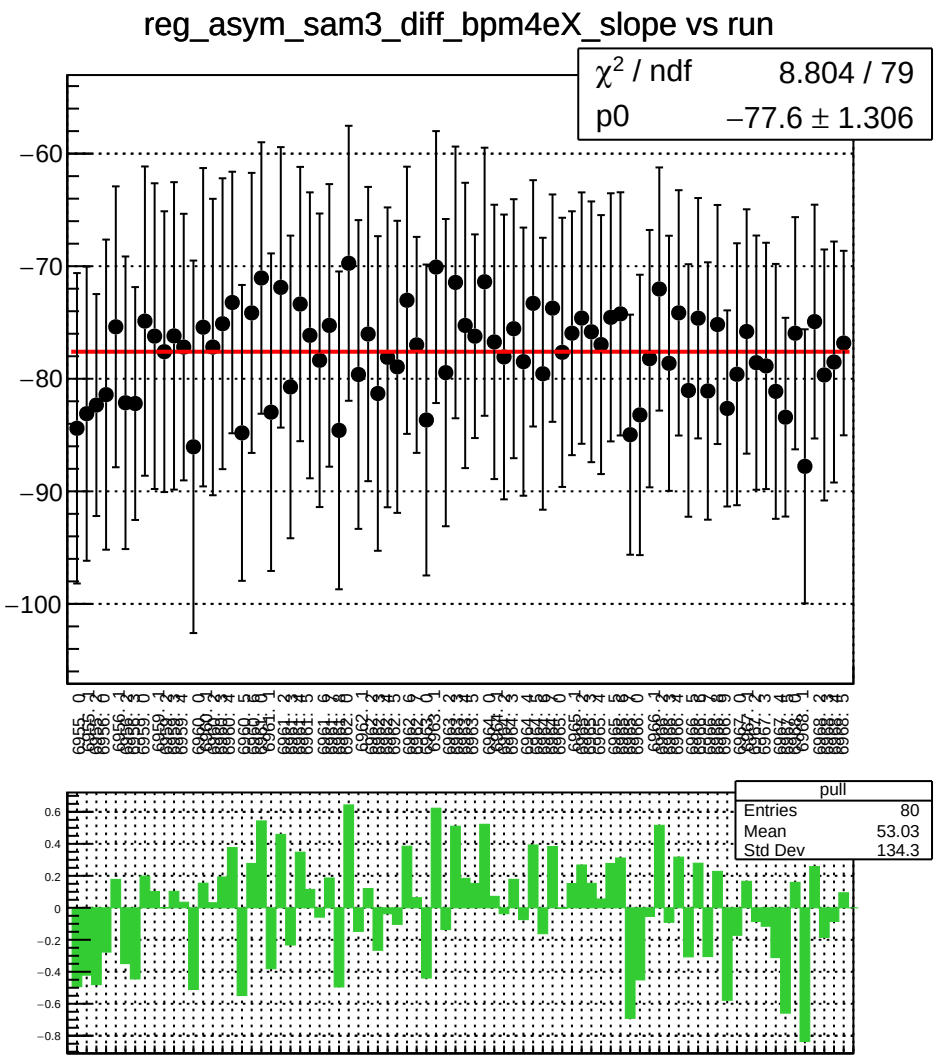

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 10.66 / 79
p0 2.15 ± 0.0913
pull
Entries 80
Mean −1315
Std Dev 1355

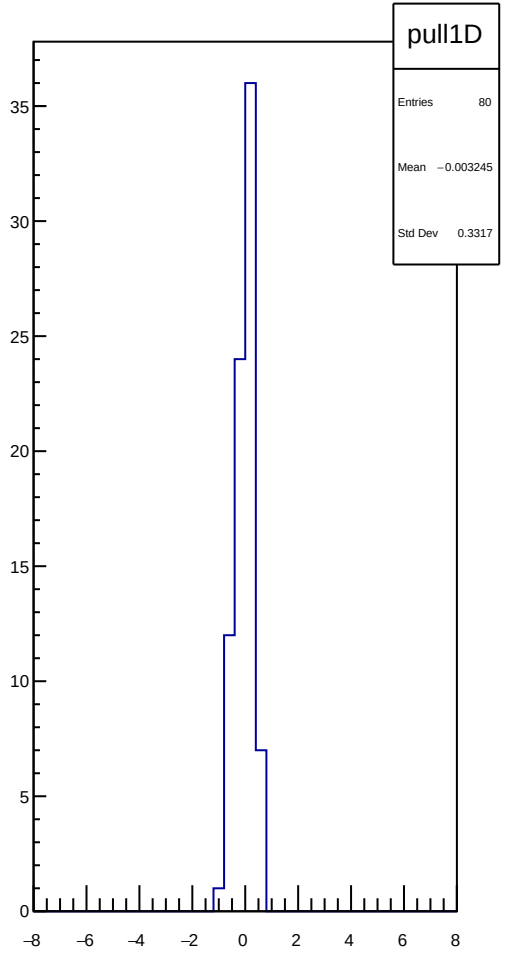

pull1D
Entries 80
Mean −0.00482
Std Dev 0.365

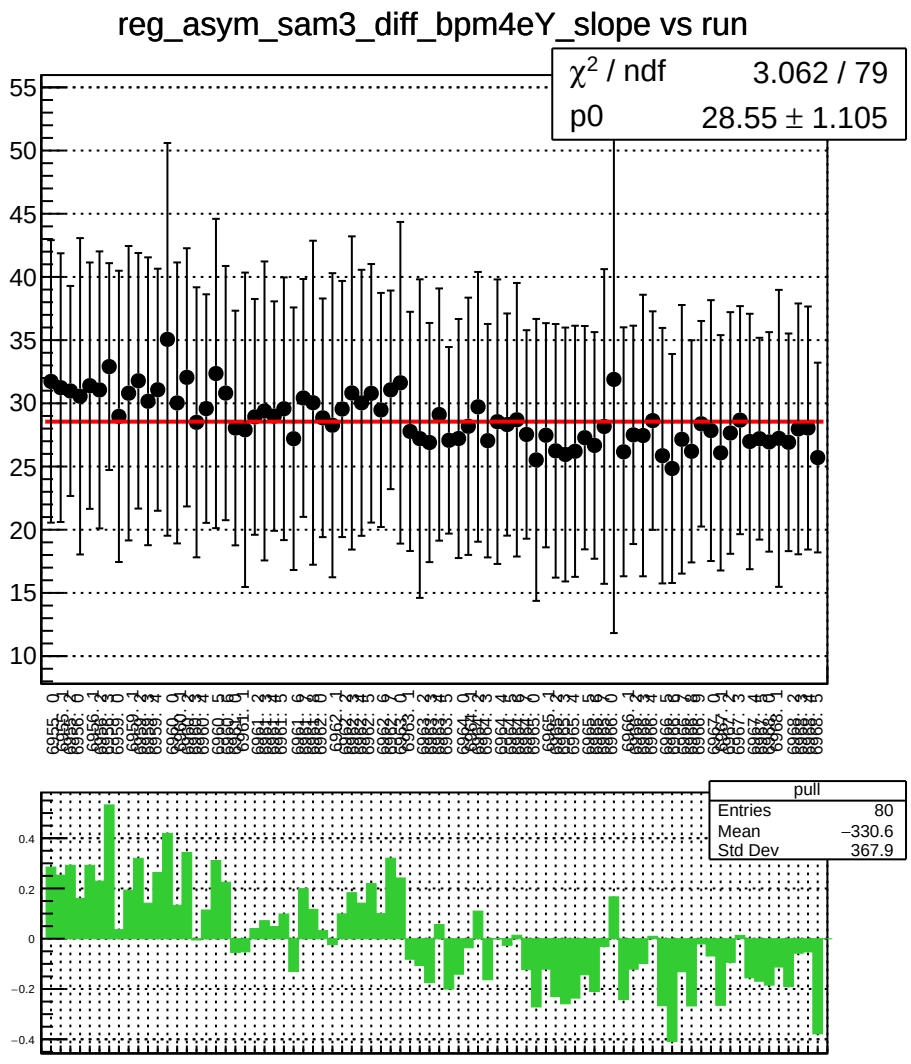

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 5.539 / 79
p0 −33.81 ± 1.412
pull
Entries 80
Mean −175.1
Std Dev 238.8

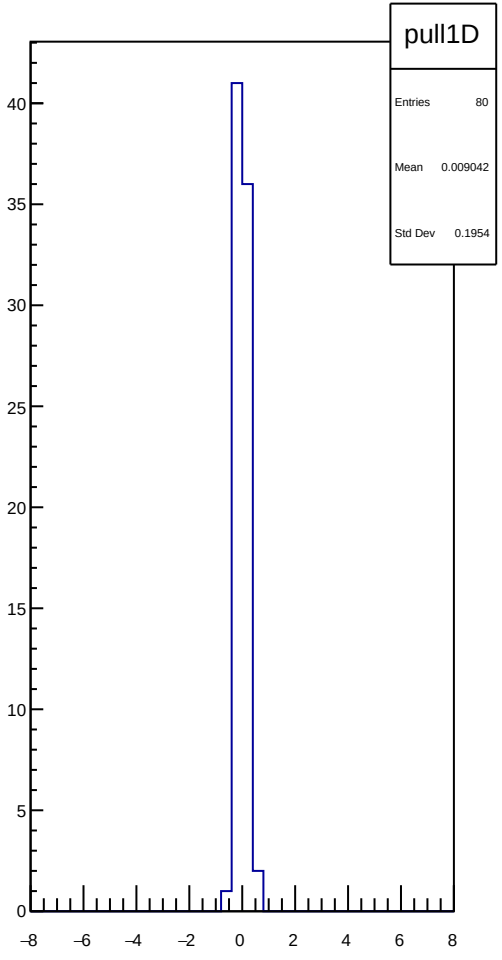

pull1D
Entries 80
Mean −0.005695
Std Dev 0.2631

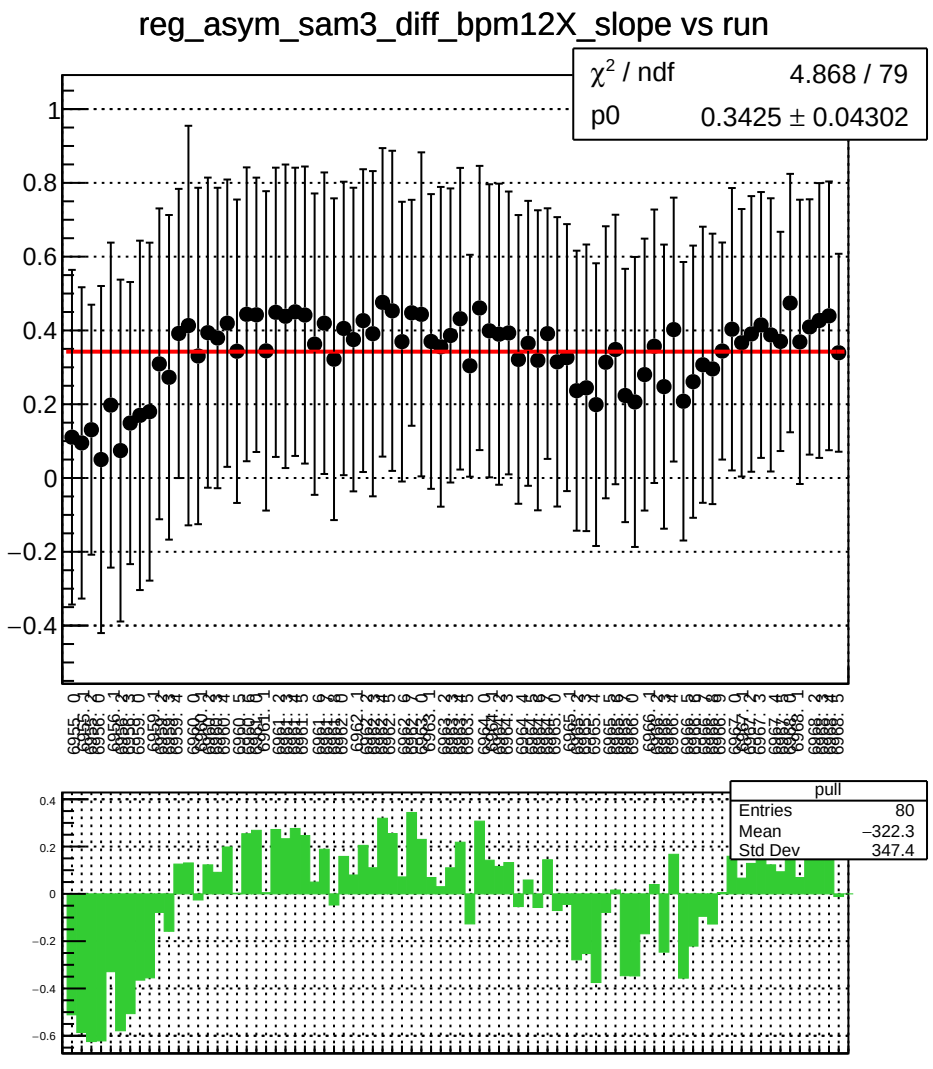

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.445 / 79
p0 −5.536 ± 0.9686
pull
Entries 80
Mean −156.2
Std Dev 192
pull1D
Entries 80
Mean −0.008784
Std Dev 0.1341

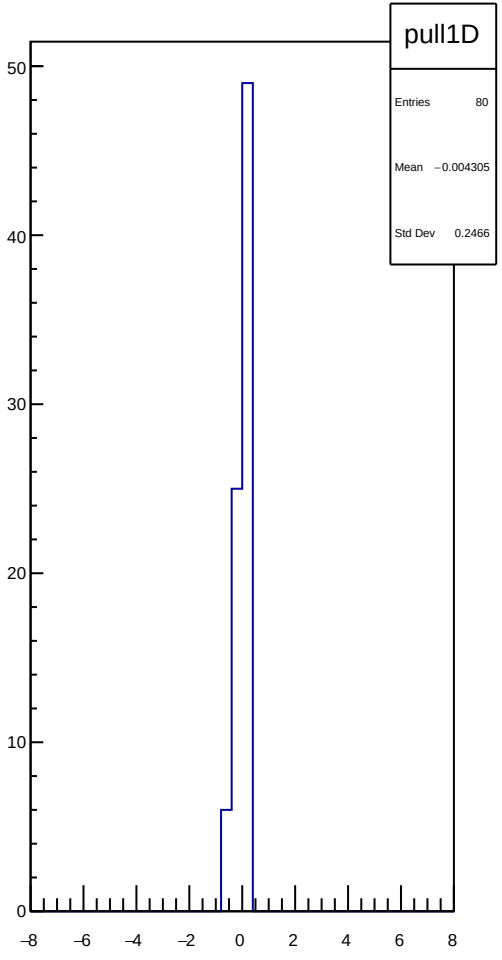

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 8.804 / 79
p0 −77.6 ± 1.306
−60
−70
−80
−90
−100
pull
Entries 80
Mean 53.03
Std Dev 134.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

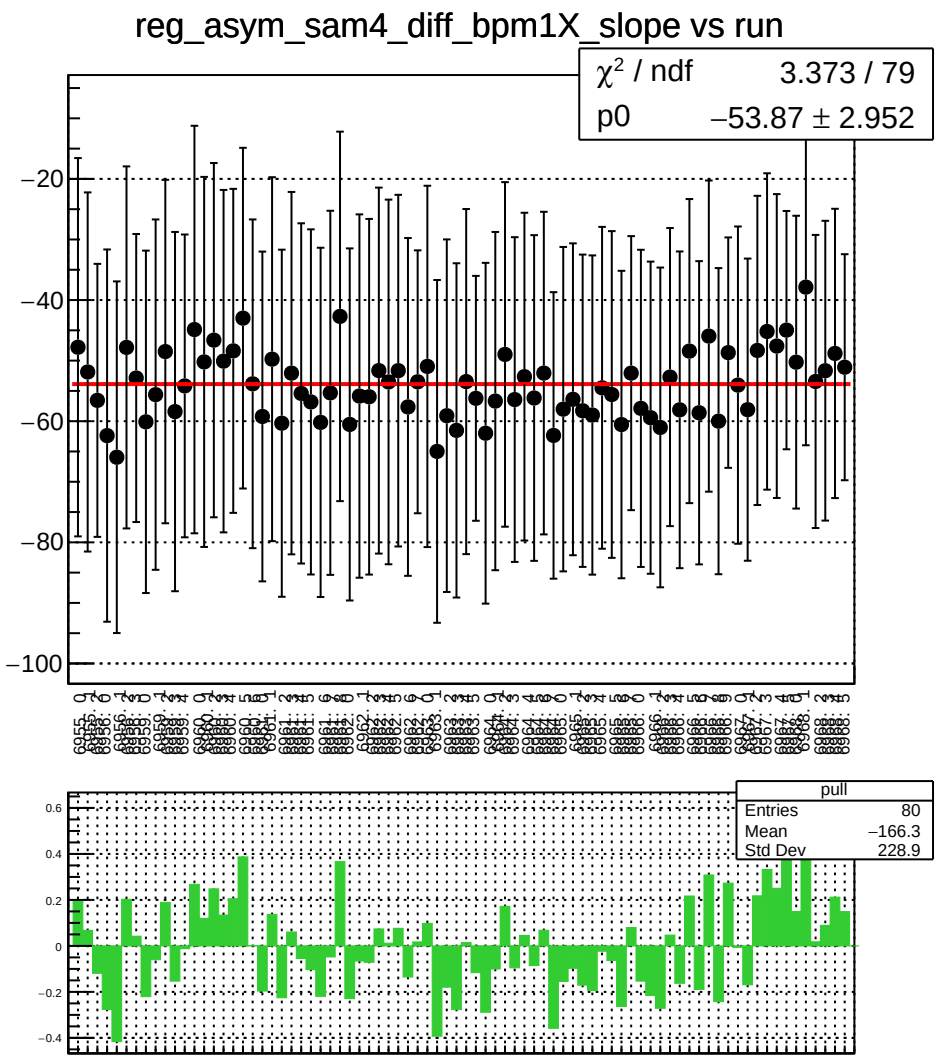

pull1D
Entries 80
Mean −0.003245
Std Dev 0.3317
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

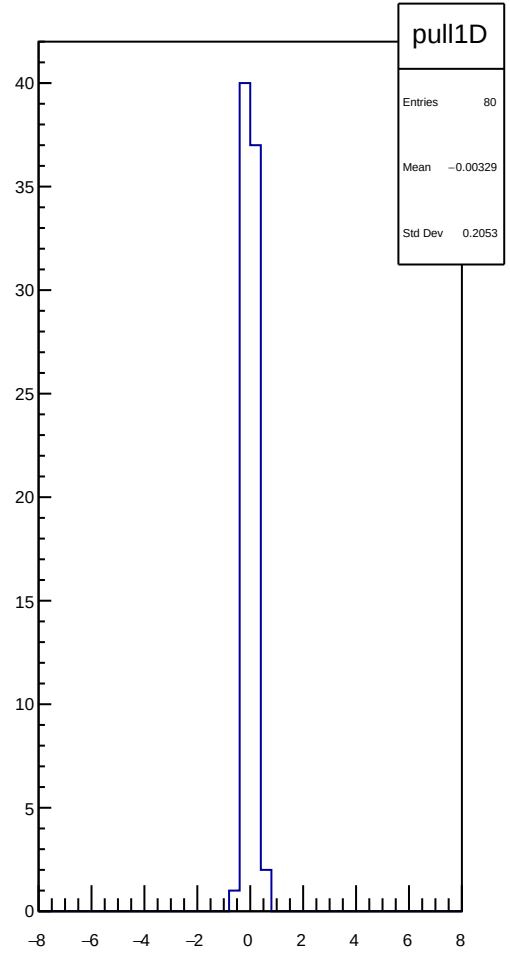

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.062 / 79
p0 28.55 ± 1.105
pull
Entries 80
Mean −330.6
Std Dev 367.9

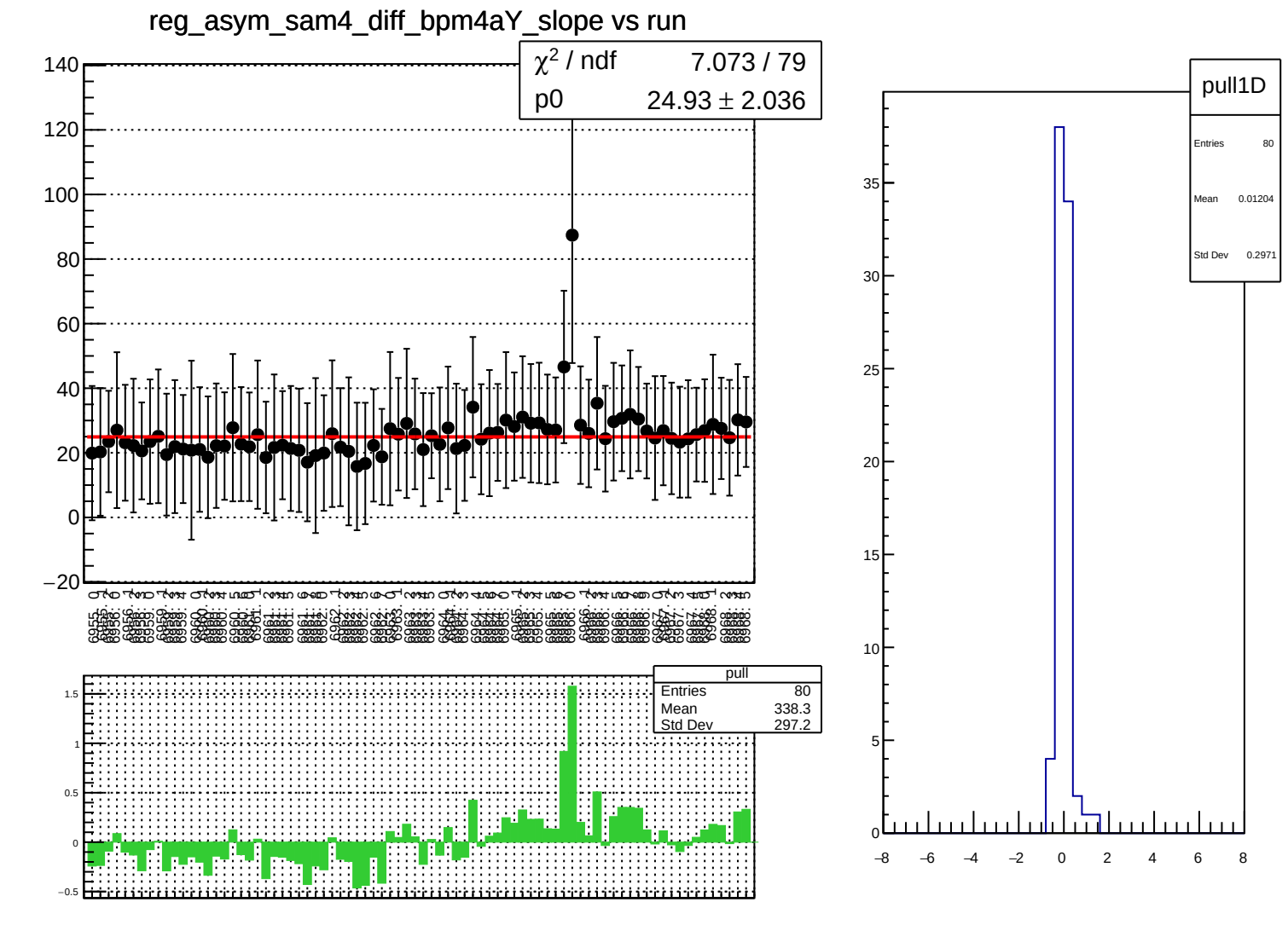

pull1D
Entries 80
Mean 0.009042
Std Dev 0.1954

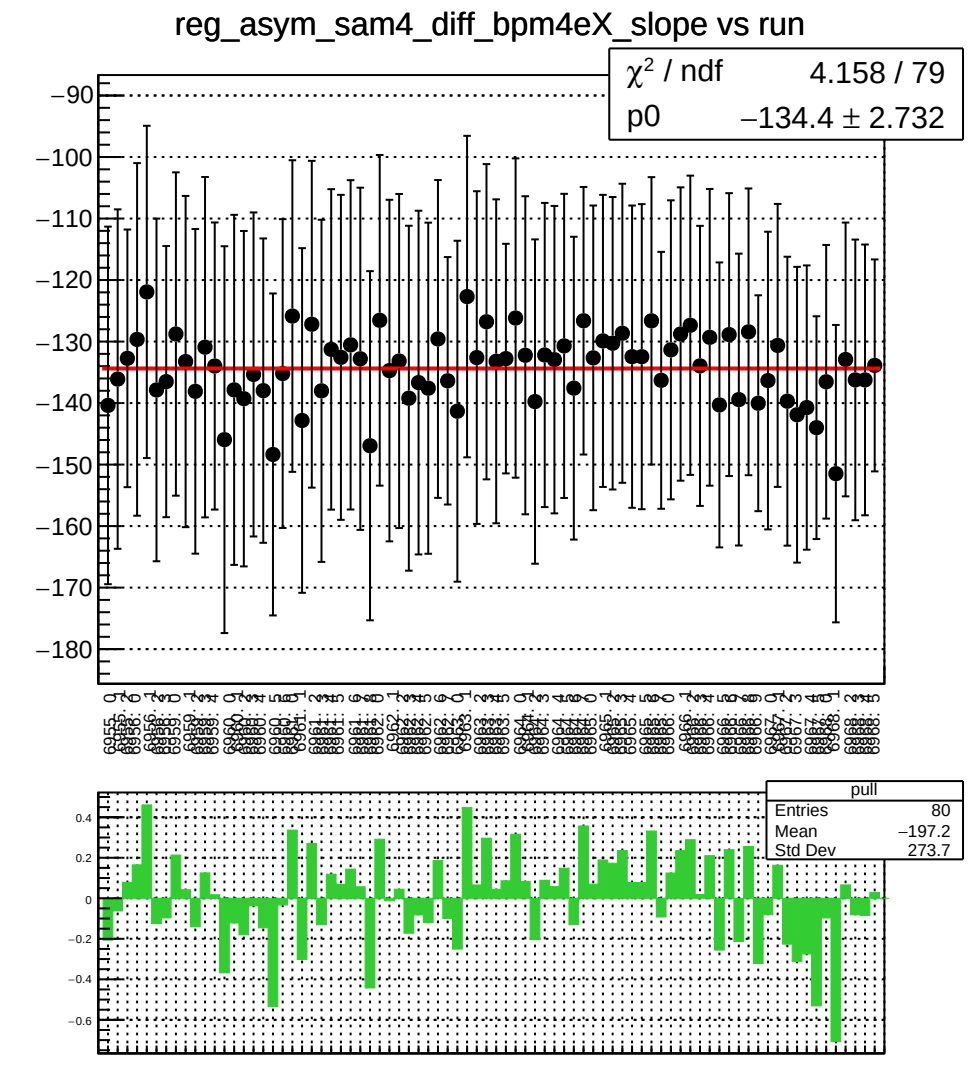

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 4.868 / 79
p0 0.3425 ± 0.04302
pull
Entries 80
Mean −322.3
Std Dev 347.4

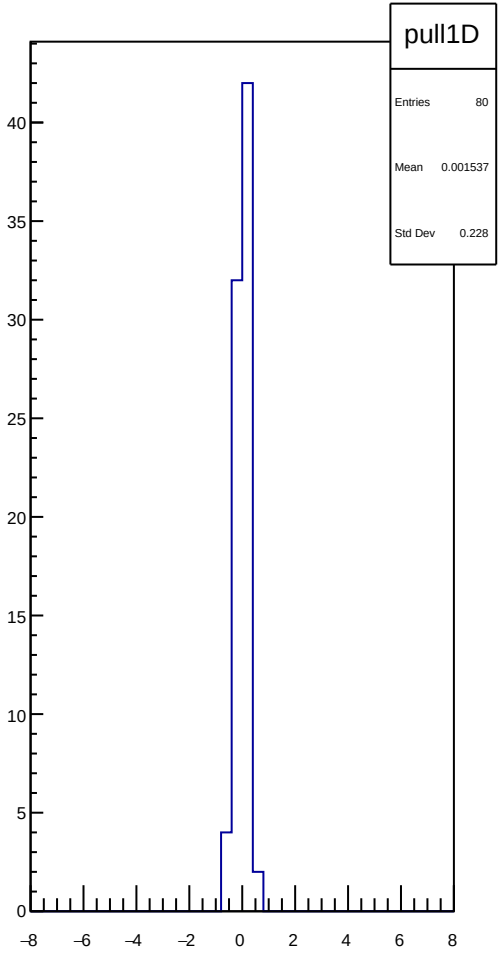

pull1D
Entries 80
Mean −0.004305
Std Dev 0.2466

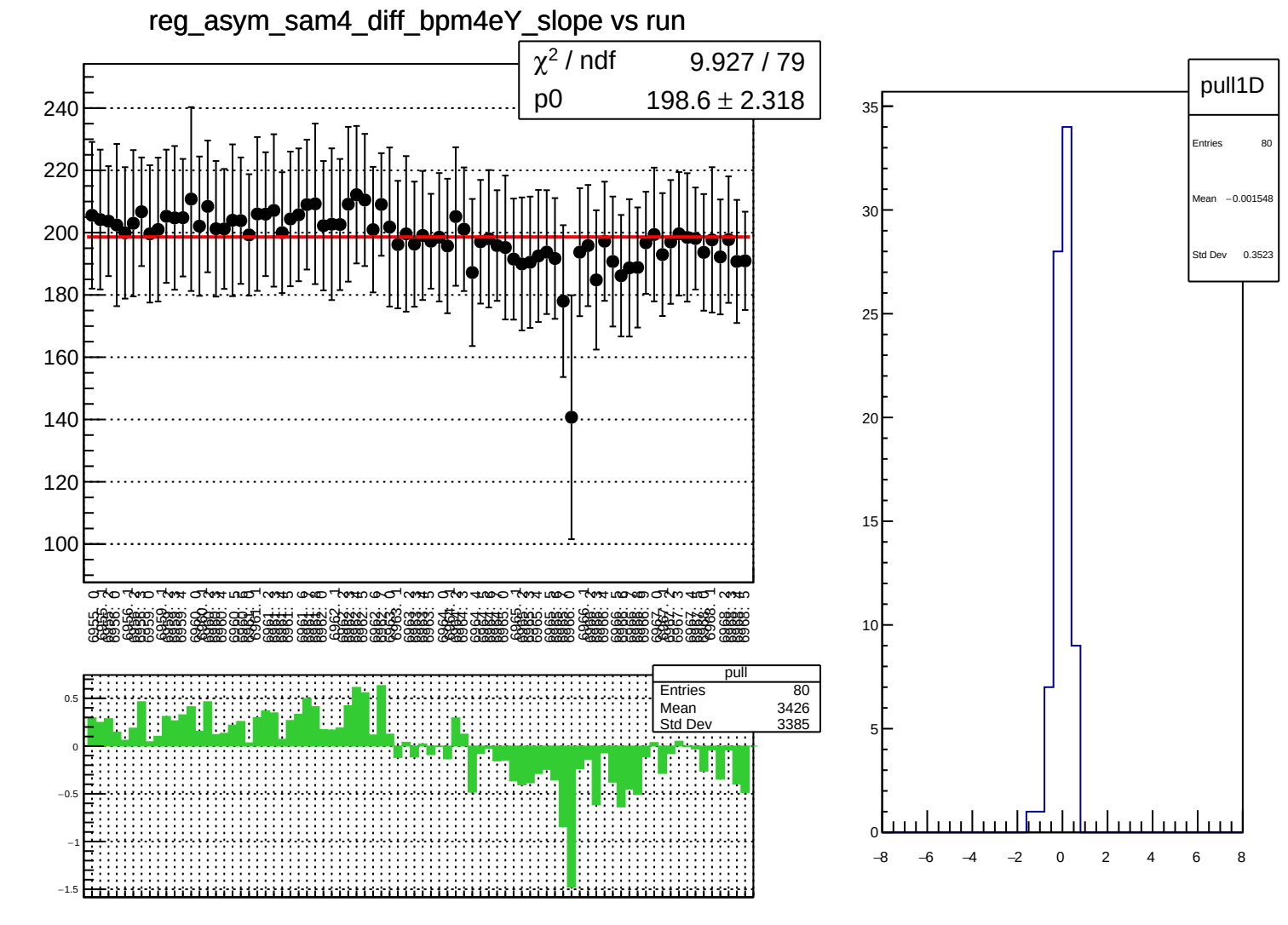

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 3.373 / 79
p0 −53.87 ± 2.952
pull
Entries 80
Mean −166.3
Std Dev 228.9

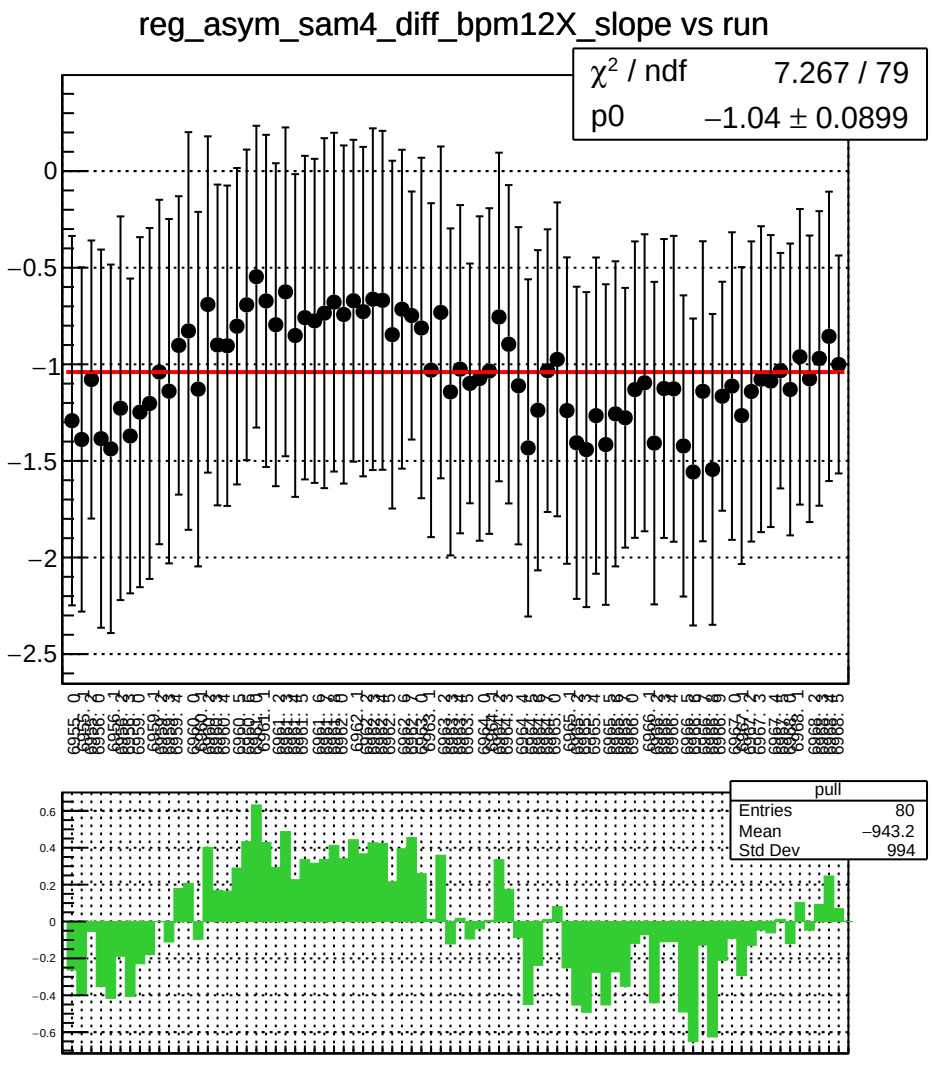

pull1D
Entries 80
Mean −0.00329
Std Dev 0.2053

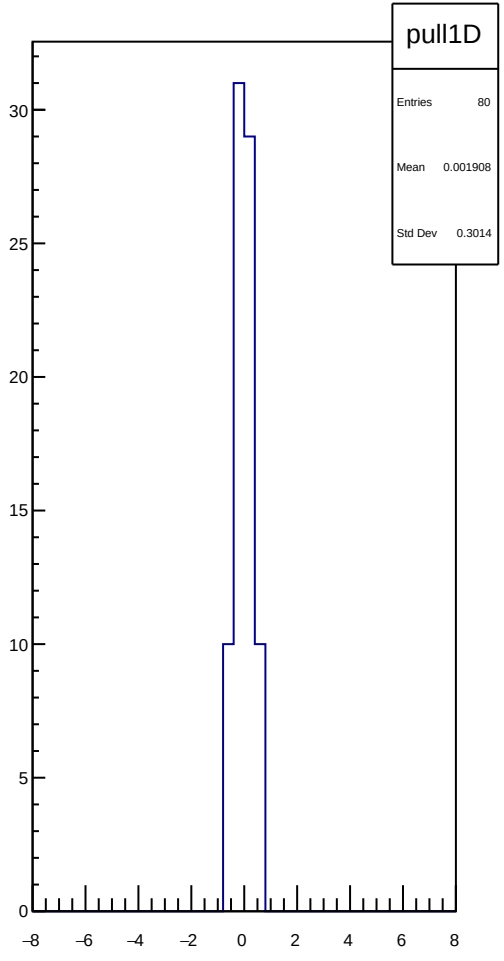

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 7.073 / 79
p0 24.93 ± 2.036
pull
Entries 80
Mean 338.3
Std Dev 297.2
pull1D
Entries 80
Mean 0.01204
Std Dev 0.2971

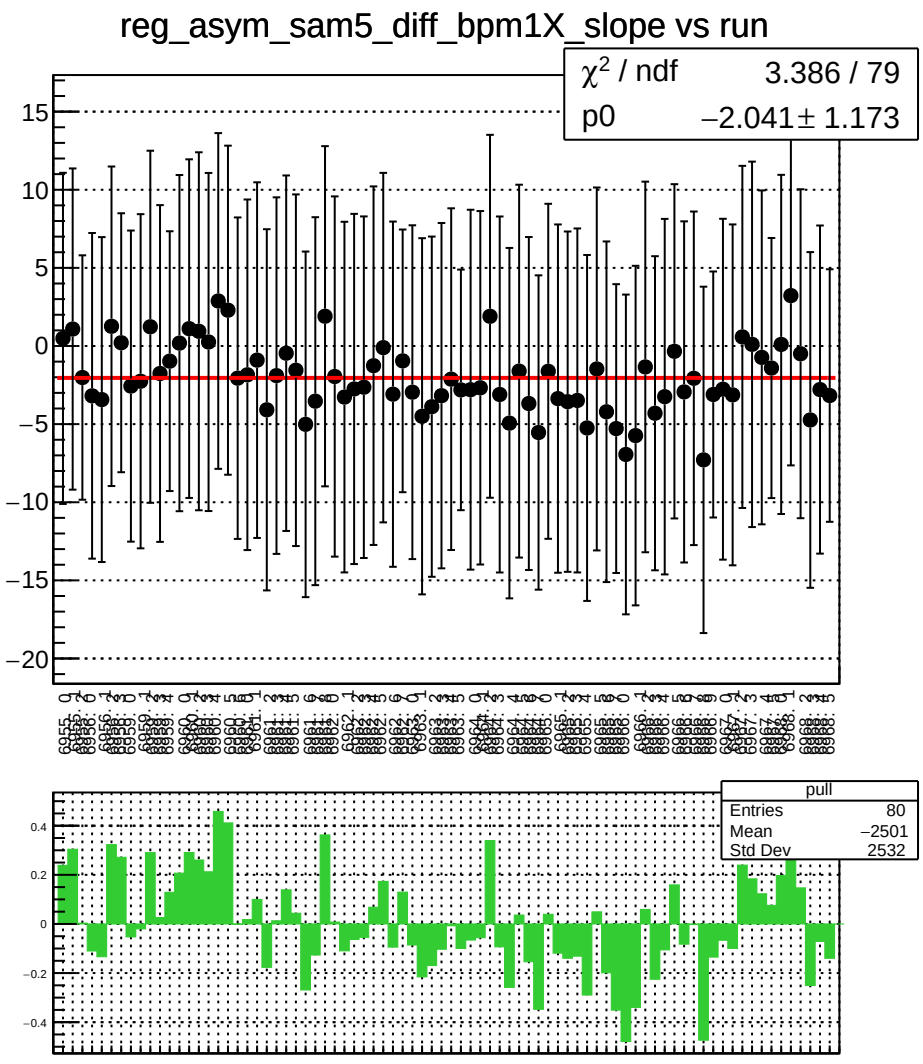

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 4.158 / 79
p0 −134.4 ± 2.732
pull
Entries 80
Mean −197.2
Std Dev 273.7

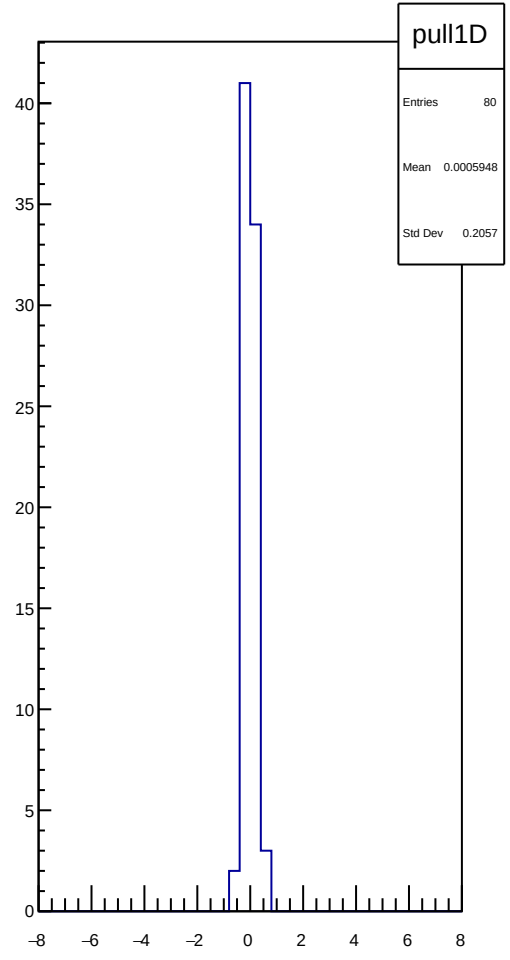

pull1D
Entries 80
Mean 0.001537
Std Dev 0.228

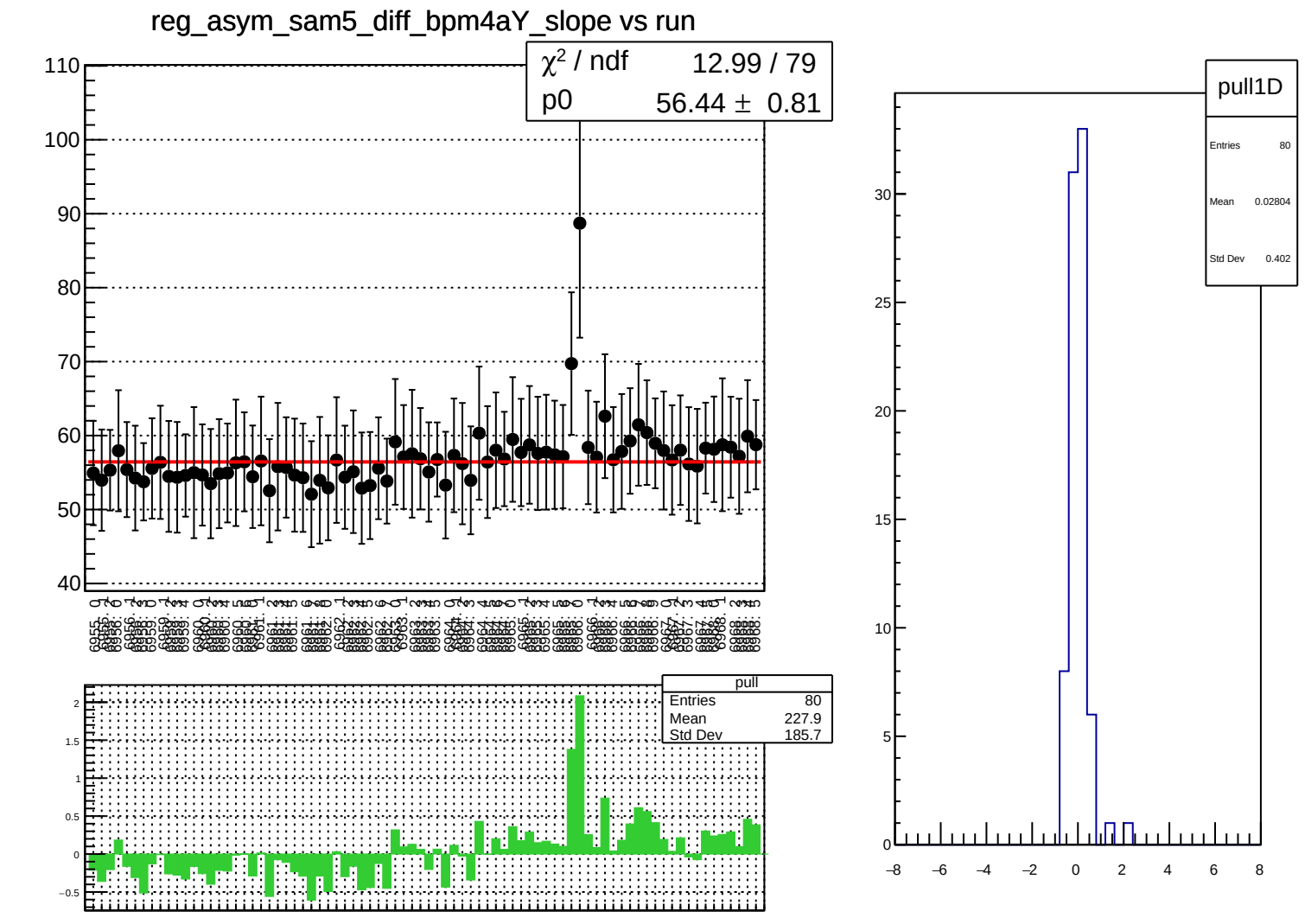

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 9.927 / 79
p0 198.6 ± 2.318
pull
Entries 80
Mean 3426
Std Dev 3385
pull1D
Entries 80
Mean −0.001548
Std Dev 0.3523

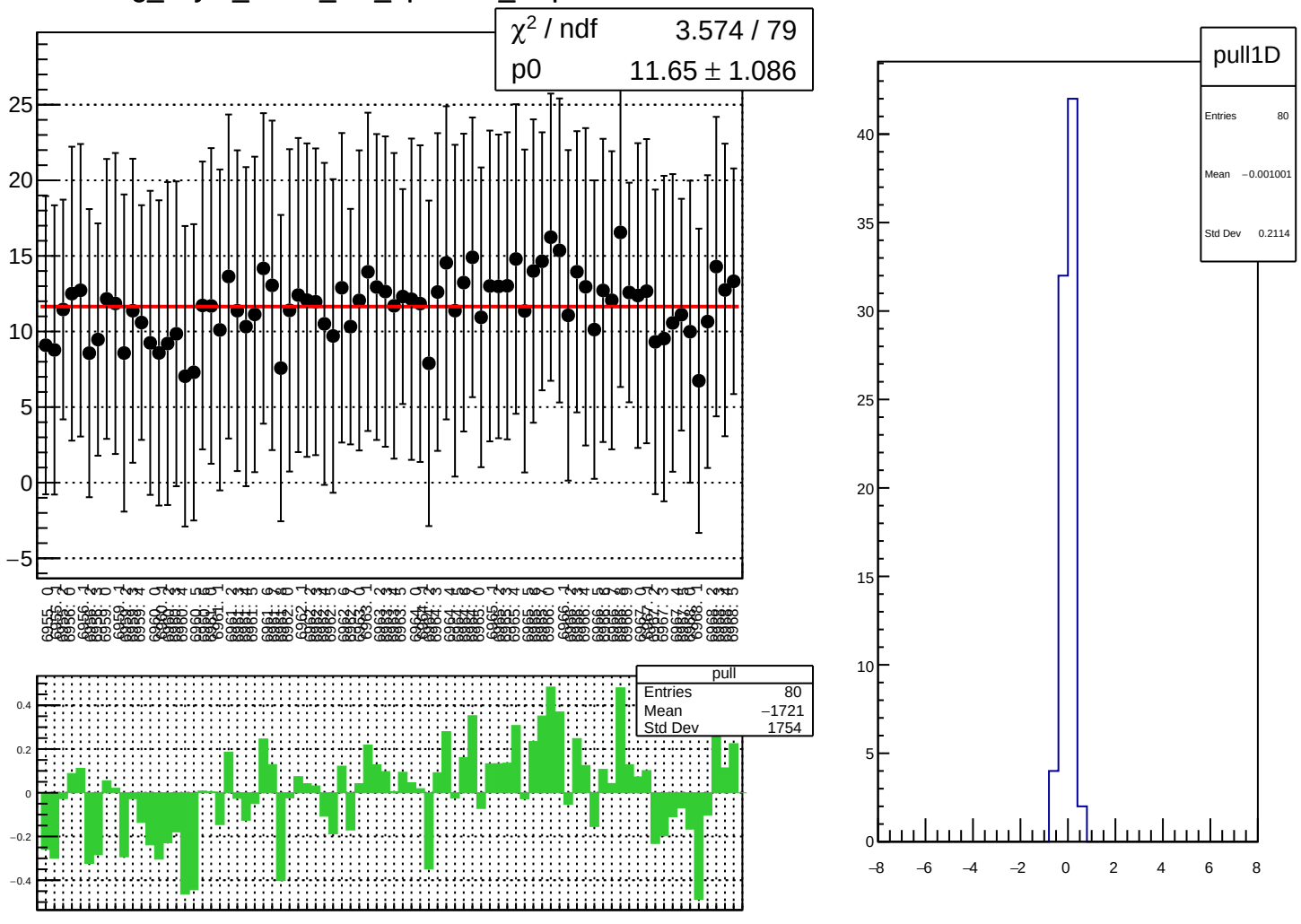

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 7.267 / 79
p0 −1.04 ± 0.0899
pull
Entries 80
Mean −943.2
Std Dev 994

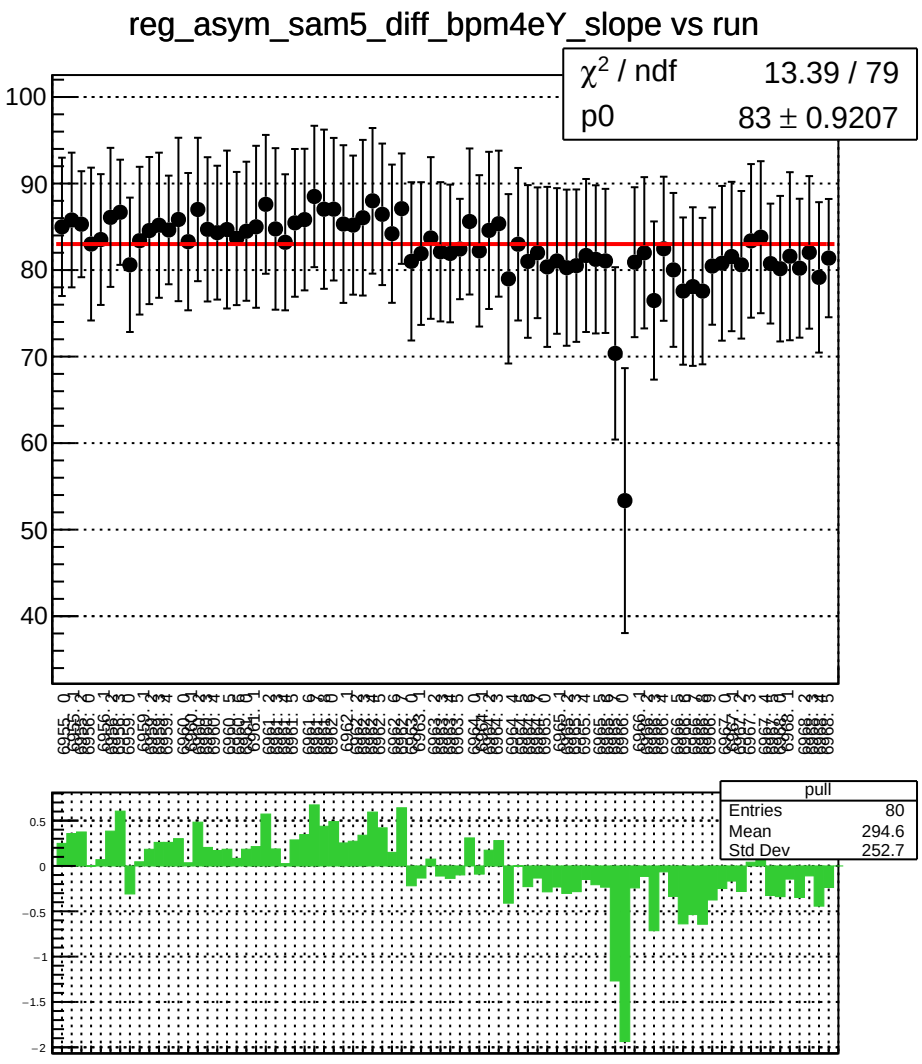

pull1D
Entries 80
Mean 0.001908
Std Dev 0.3014

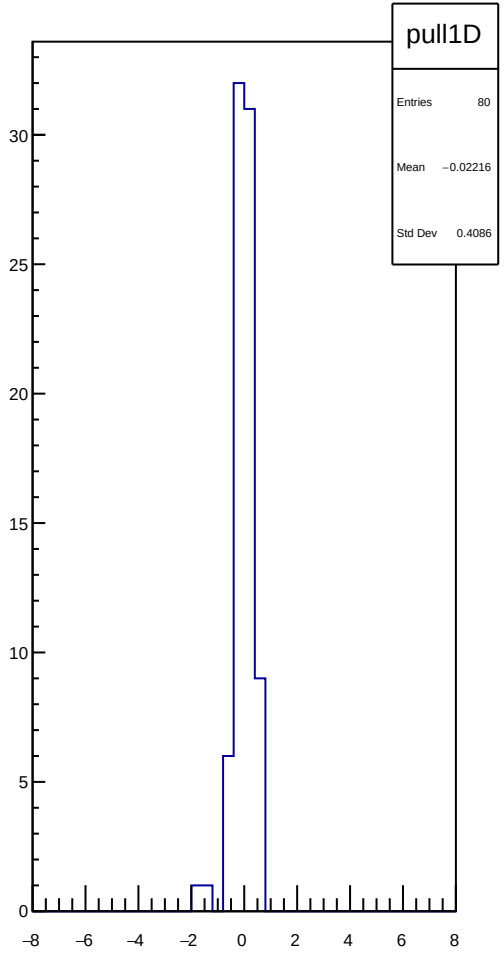

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 3.386 / 79
p0 −2.041 ± 1.173
pull
Entries 80
Mean −2501
Std Dev 2532

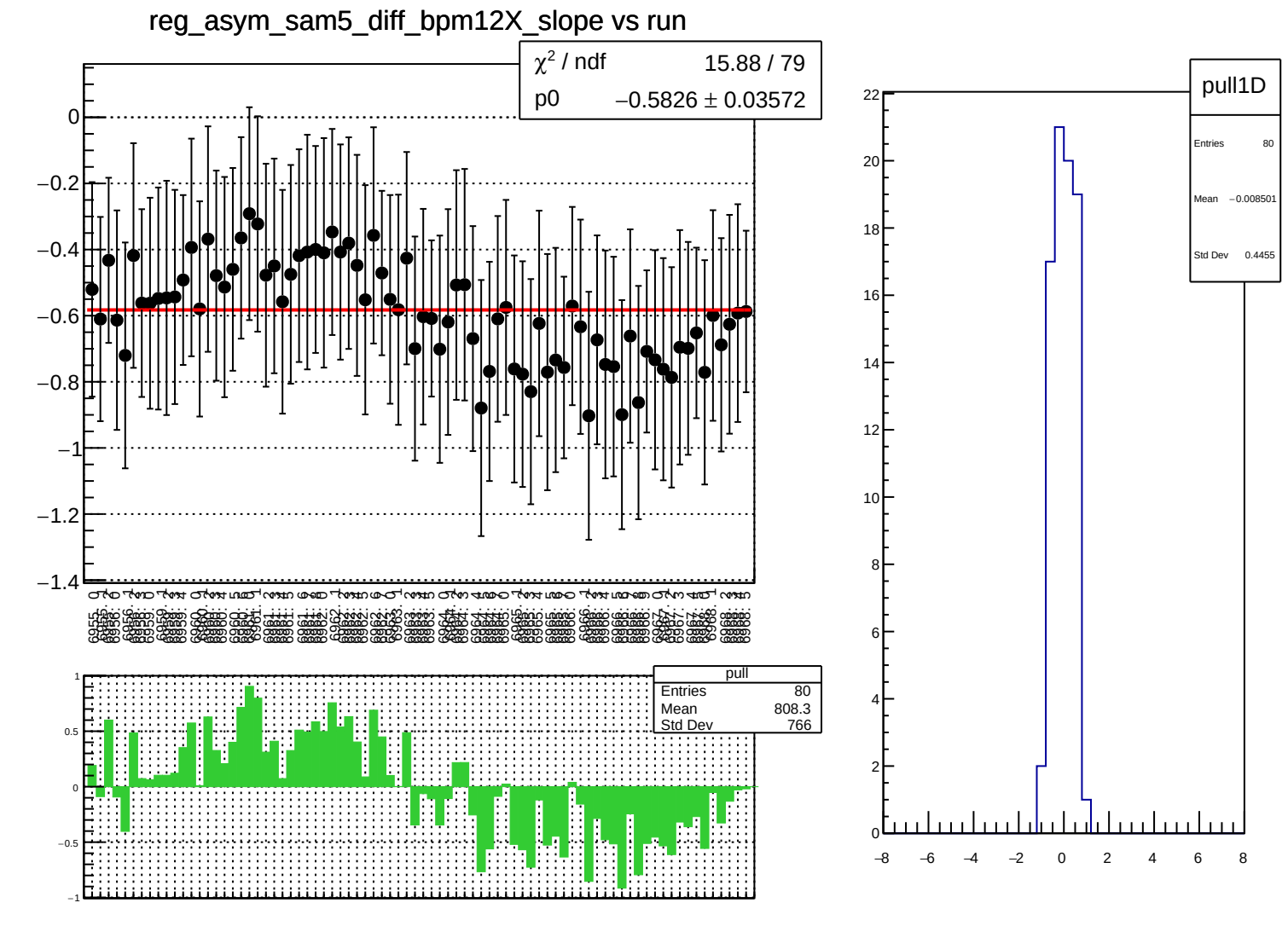

pull1D
Entries 80
Mean 0.0005948
Std Dev 0.2057

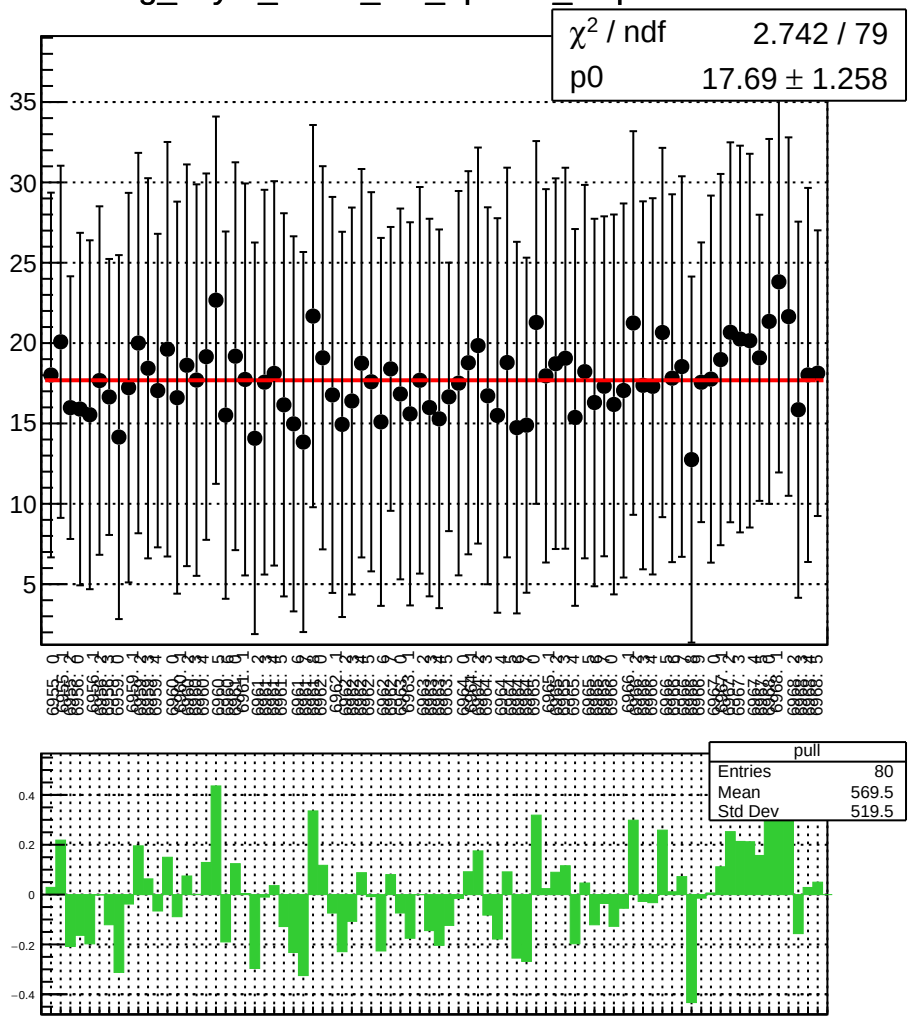

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 79
p0 56.44 ± 0.81
pull
Entries 80
Mean 227.9
Std Dev 185.7
pull1D
Entries 80
Mean 0.02804
Std Dev 0.402

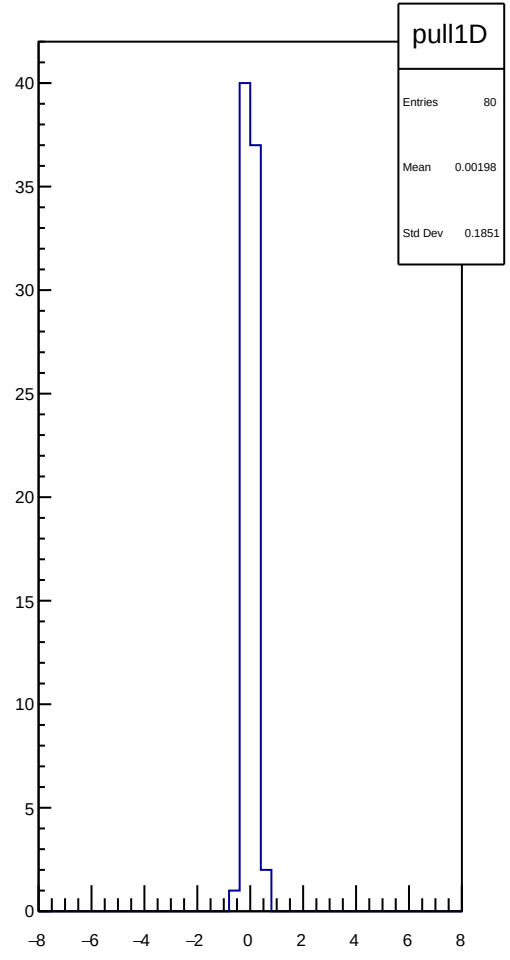

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 3.574 / 79
p0 11.65 ± 1.086
pull
Entries 80
Mean −1721
Std Dev 1754
pull1D
Entries 80
Mean −0.001001
Std Dev 0.2114

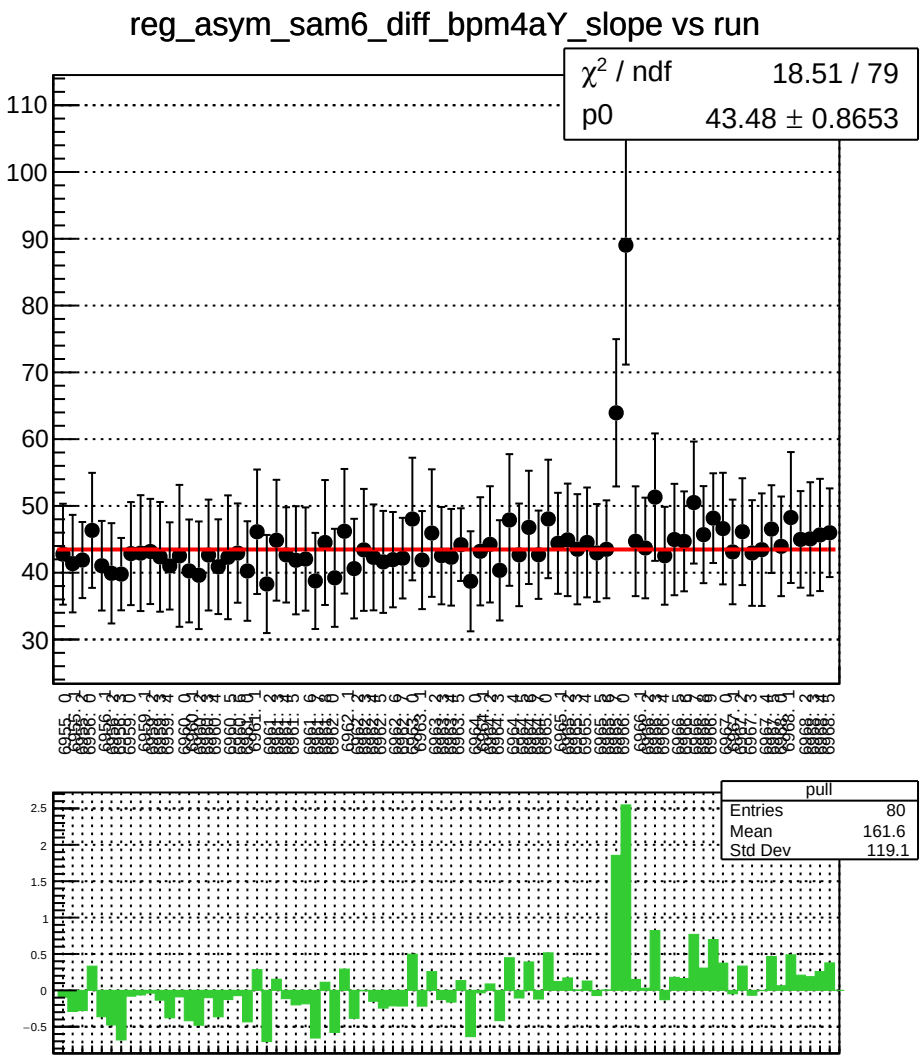

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 13.39 / 79
p0 83 ± 0.9207
pull
Entries 80
Mean 294.6
Std Dev 252.7

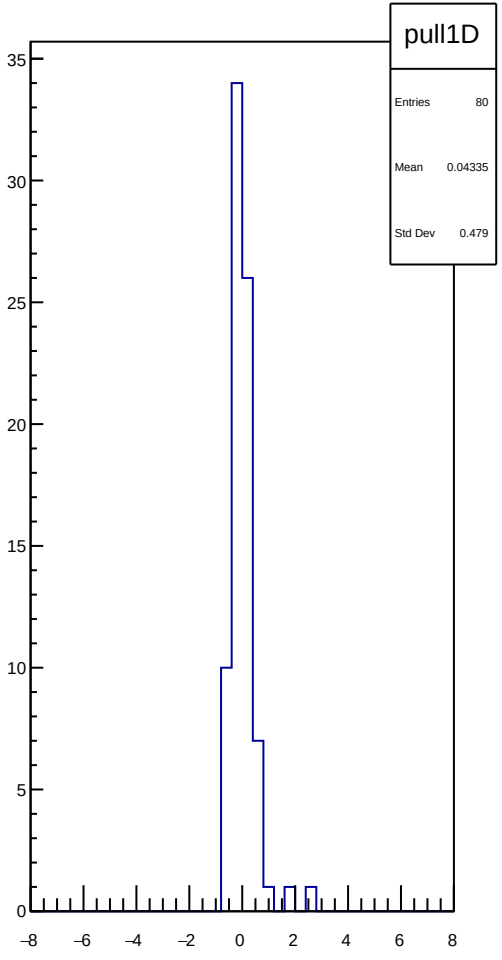

pull1D
Entries 80
Mean −0.02216
Std Dev 0.4086

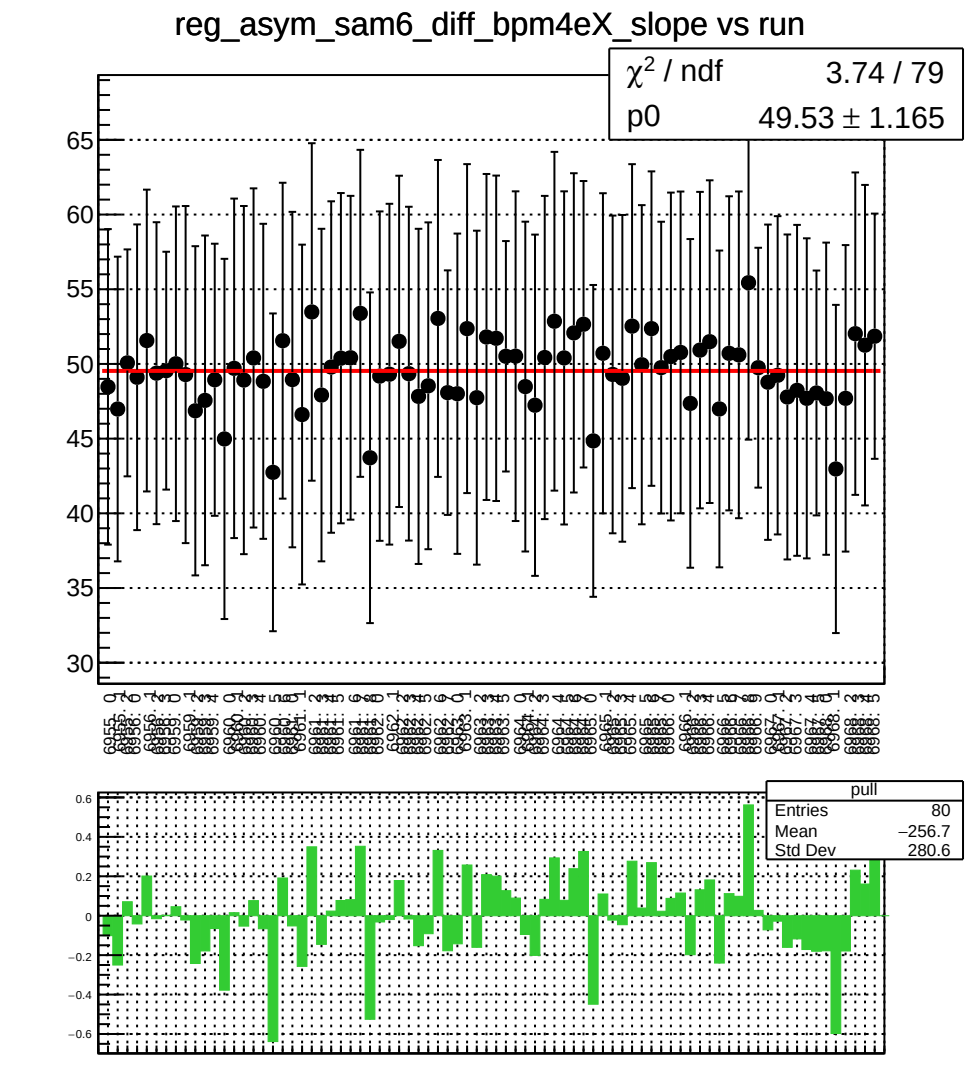

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 15.88 / 79
p0 −0.5826 ± 0.03572
pull
Entries 80
Mean 808.3
Std Dev 766
pull1D
Entries 80
Mean −0.008501
Std Dev 0.4455

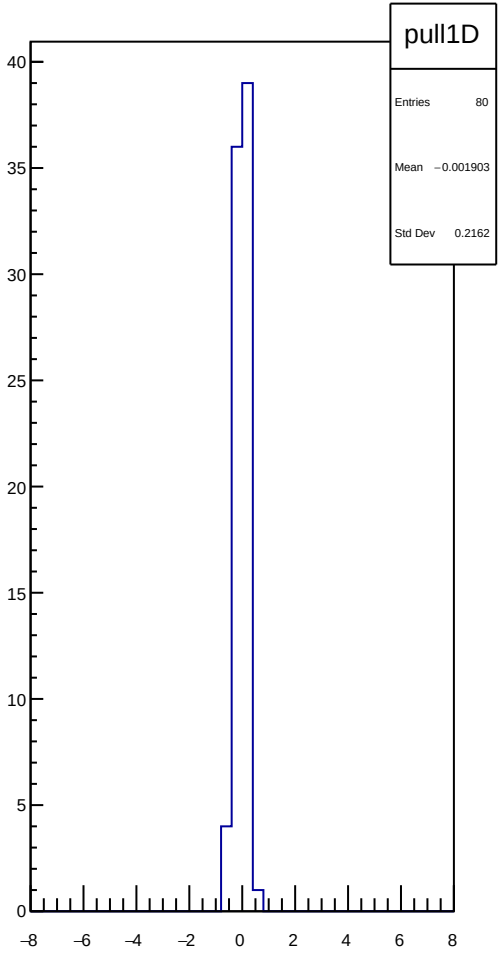

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.742 / 79
p0 17.69 ± 1.258
pull
Entries 80
Mean 569.5
Std Dev 519.5

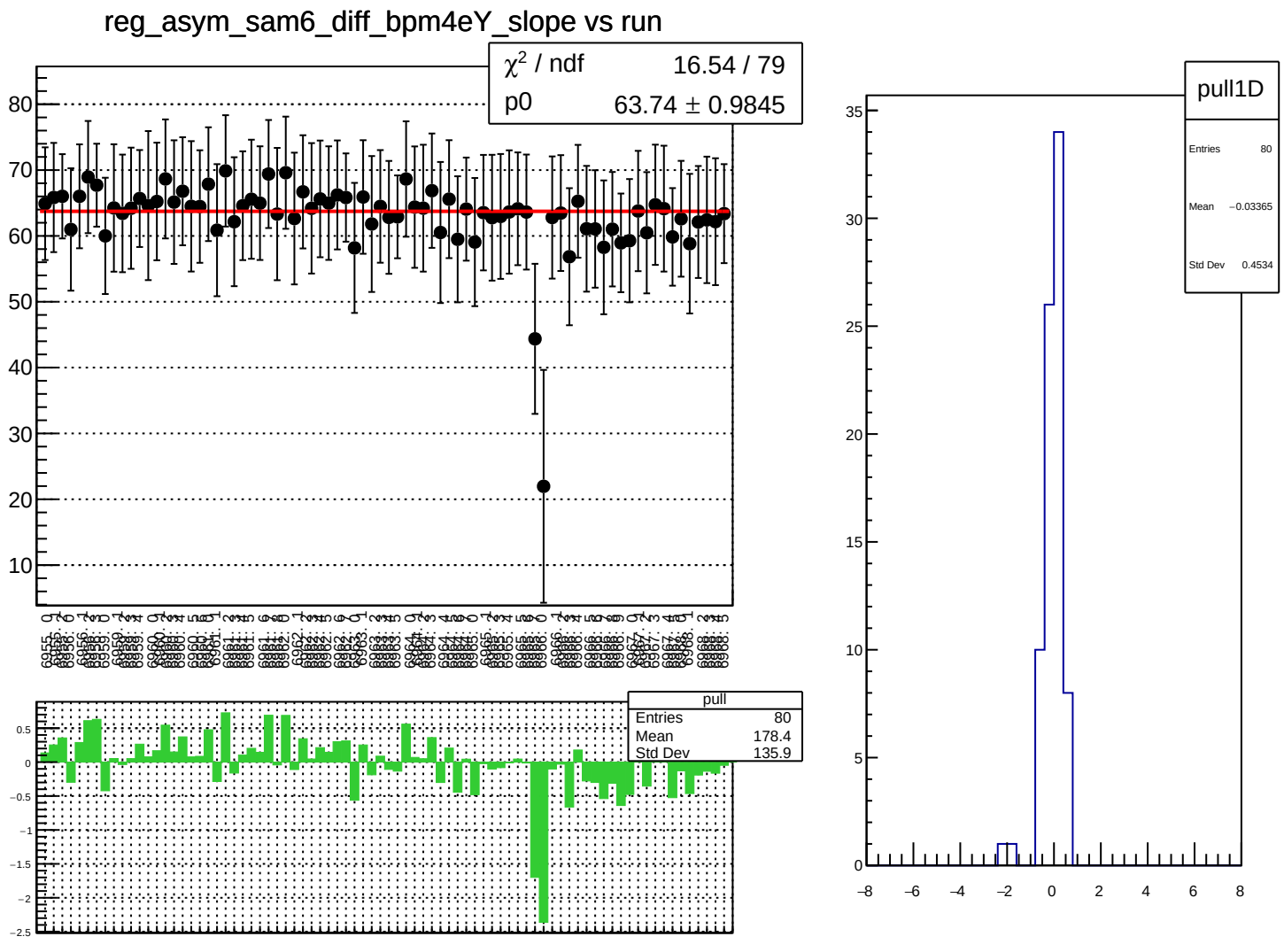

pull1D
Entries 80
Mean 0.00198
Std Dev 0.1851

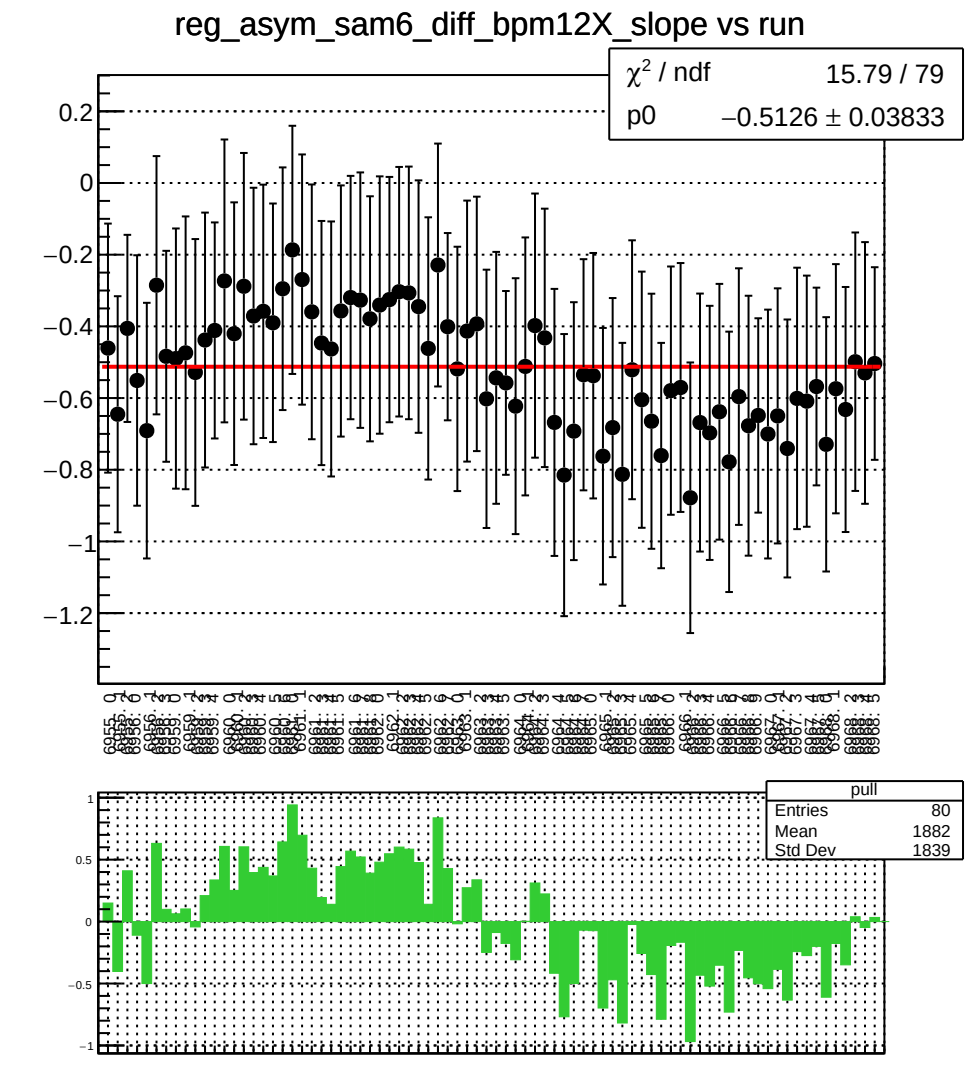

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 18.51 / 79
p0 43.48 ± 0.8653
pull
Entries 80
Mean 161.6
Std Dev 119.1

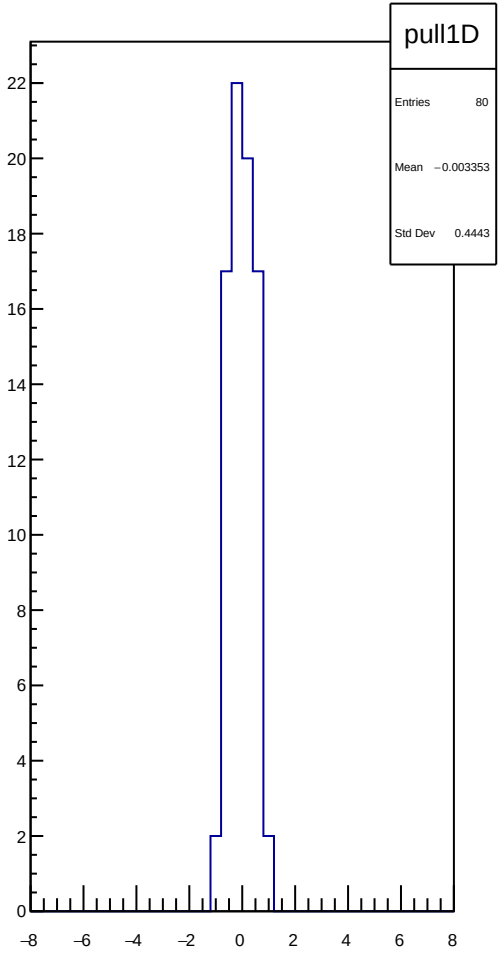

pull1D
Entries 80
Mean 0.04335
Std Dev 0.479

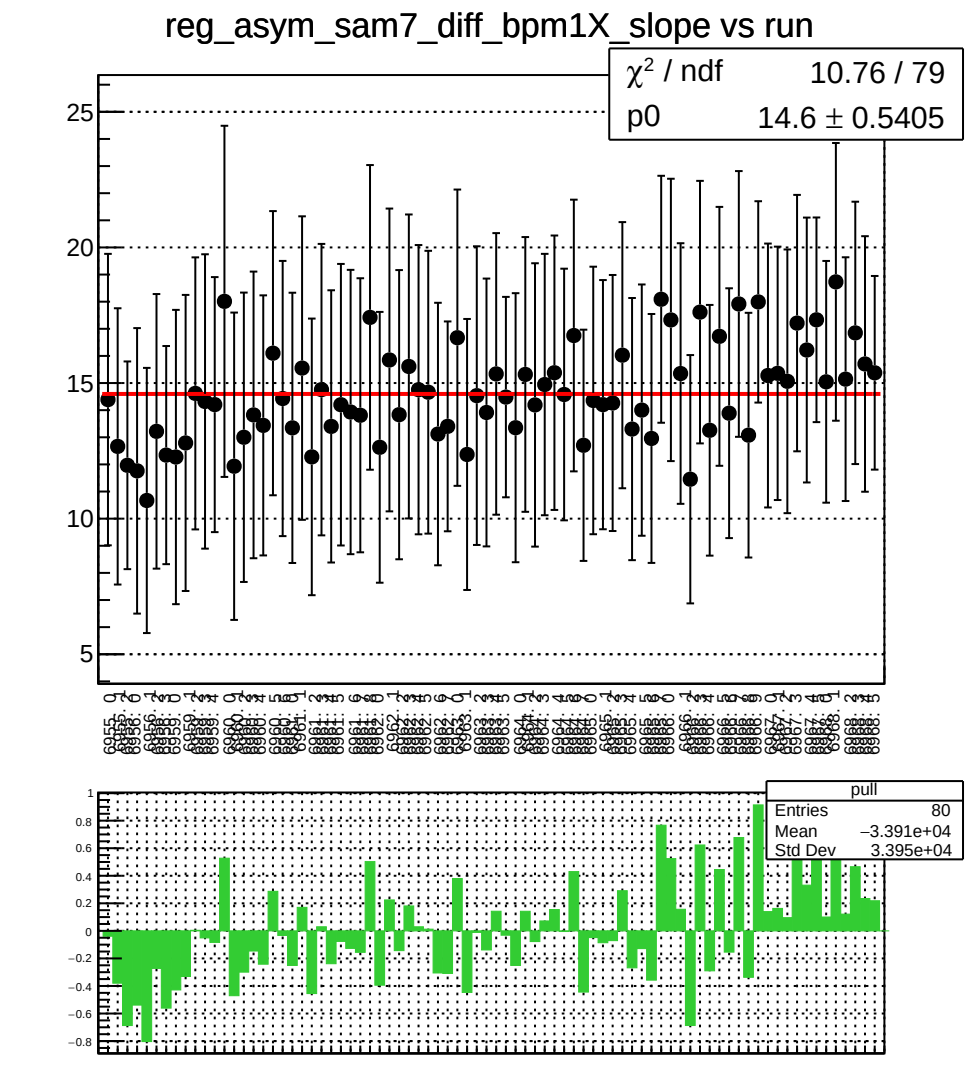

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.74 / 79
p0 49.53 ± 1.165
pull
Entries 80
Mean −256.7
Std Dev 280.6

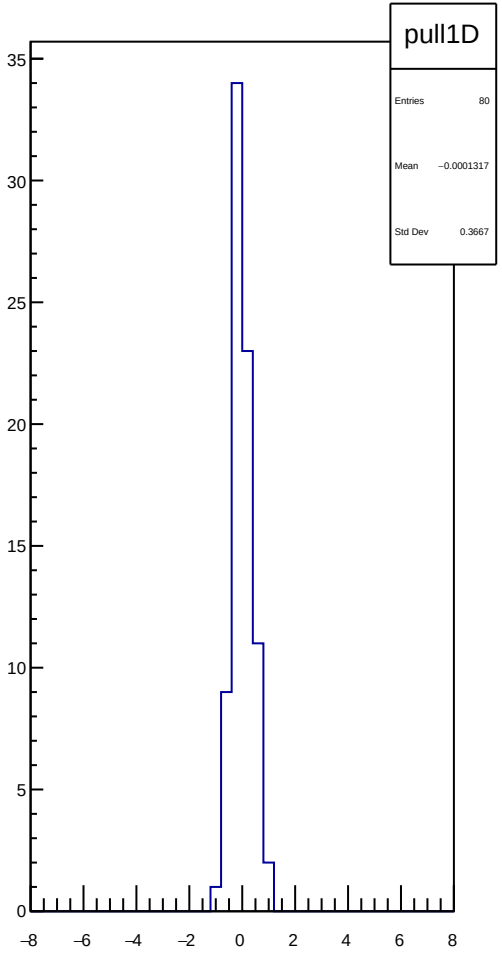

pull1D
Entries 80
Mean −0.001903
Std Dev 0.2162

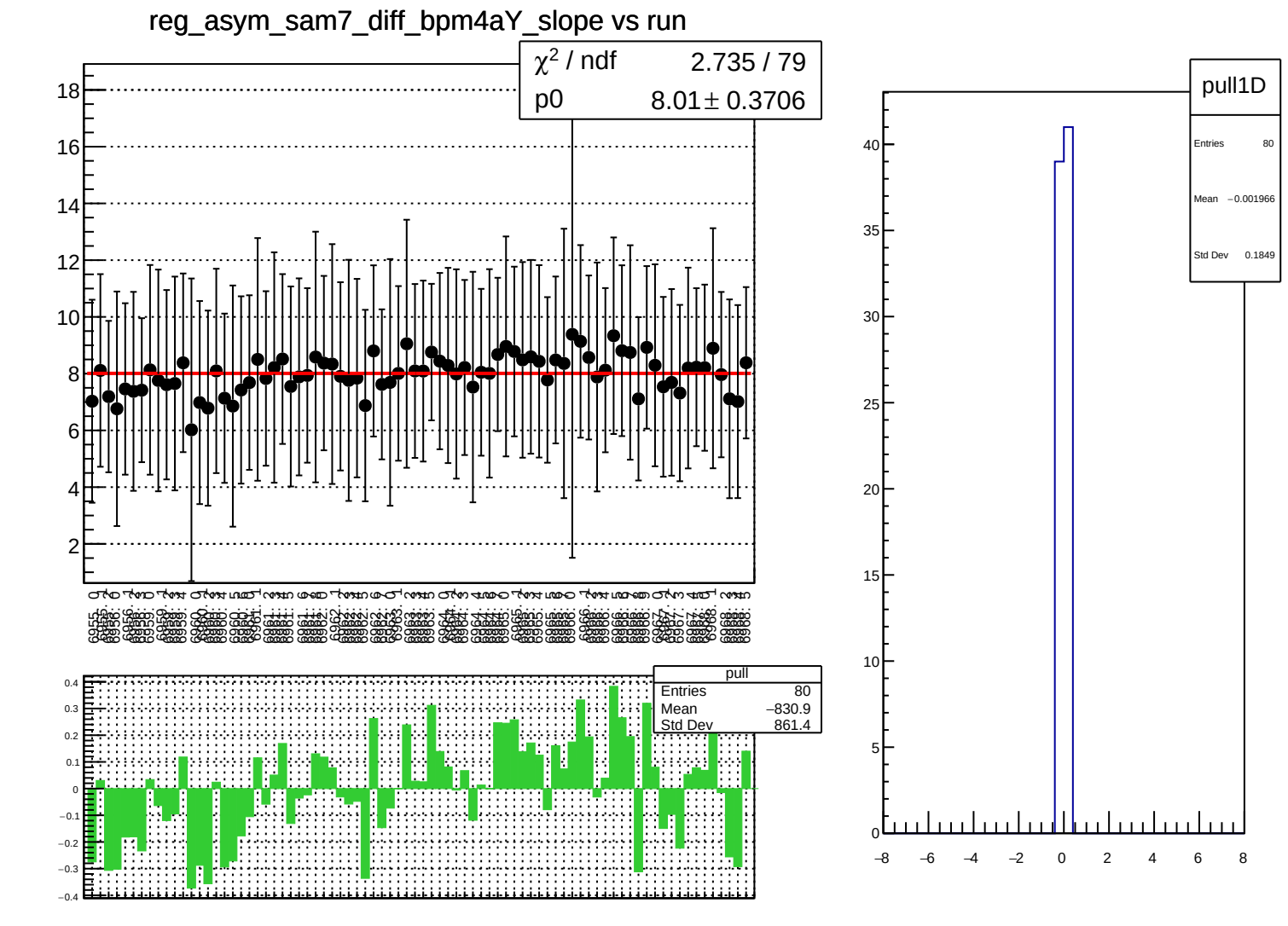

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.54 / 79
p0 63.74 ± 0.9845
pull
Entries 80
Mean 178.4
Std Dev 135.9
pull1D
Entries 80
Mean −0.03365
Std Dev 0.4534

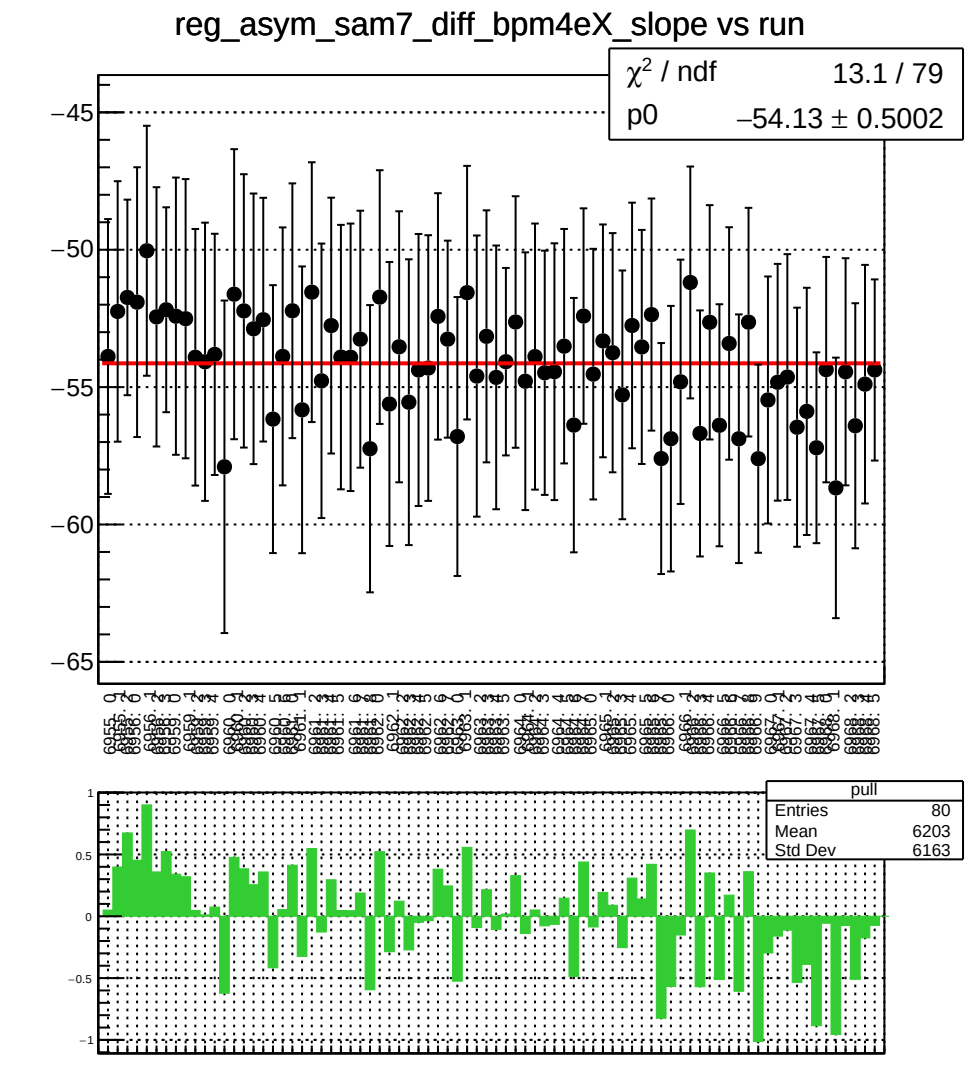

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 15.79 / 79
p0 −0.5126 ± 0.03833
pull
Entries 80
Mean 1882
Std Dev 1839

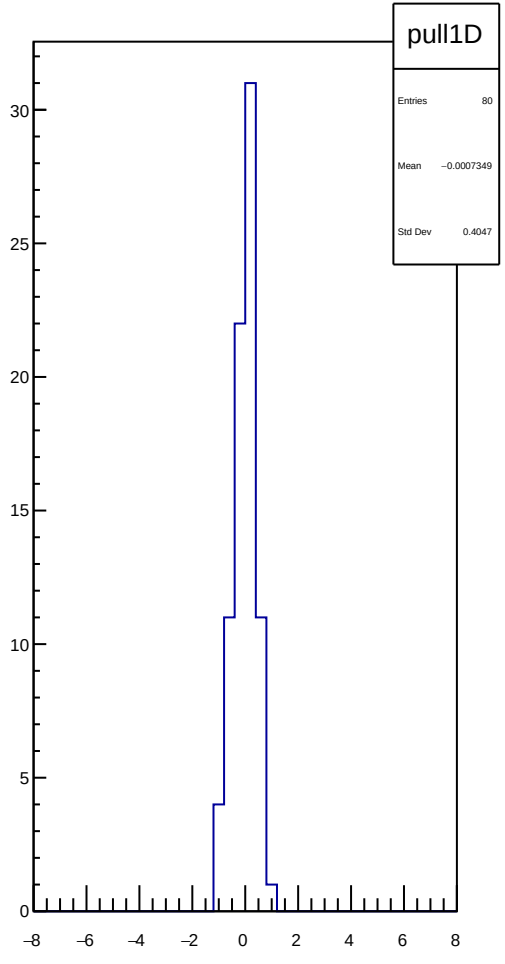

pull1D
Entries 80
Mean −0.003353
Std Dev 0.4443

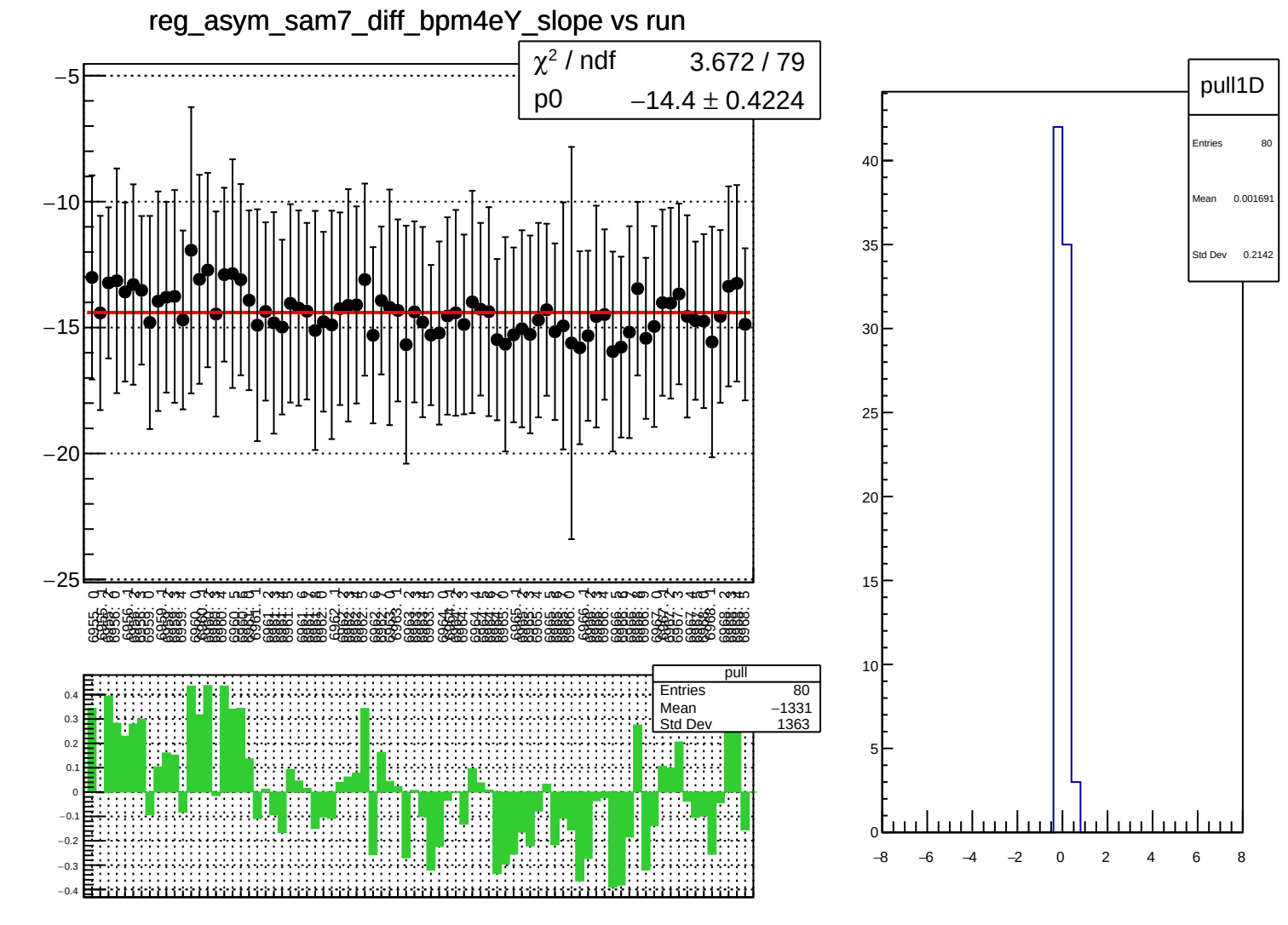

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 10.76 / 79
p0 14.6 ± 0.5405
pull
Entries 80
Mean −3.391e+04
Std Dev 3.395e+04

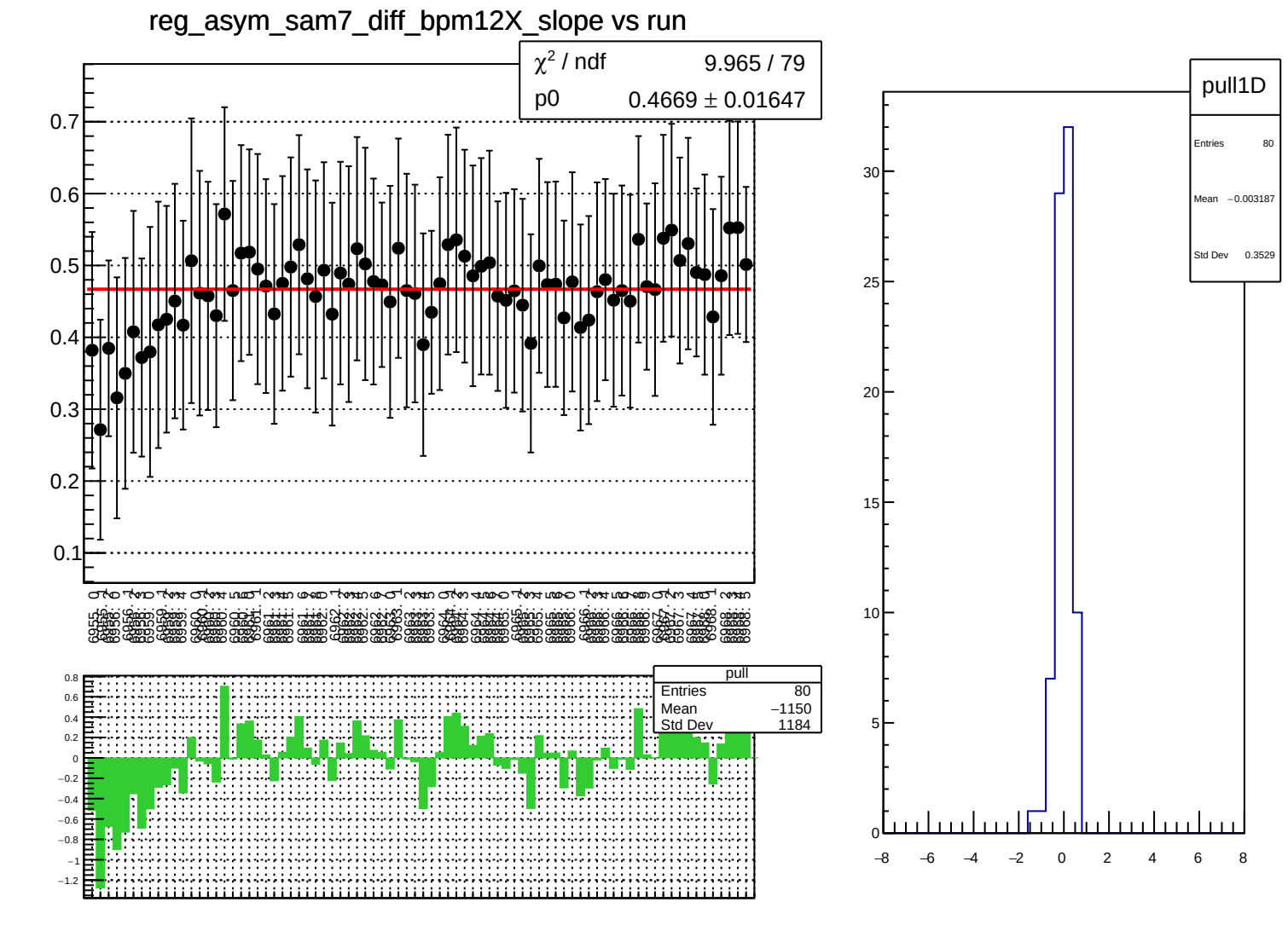

pull1D
Entries 80
Mean −0.0001317
Std Dev 0.3667

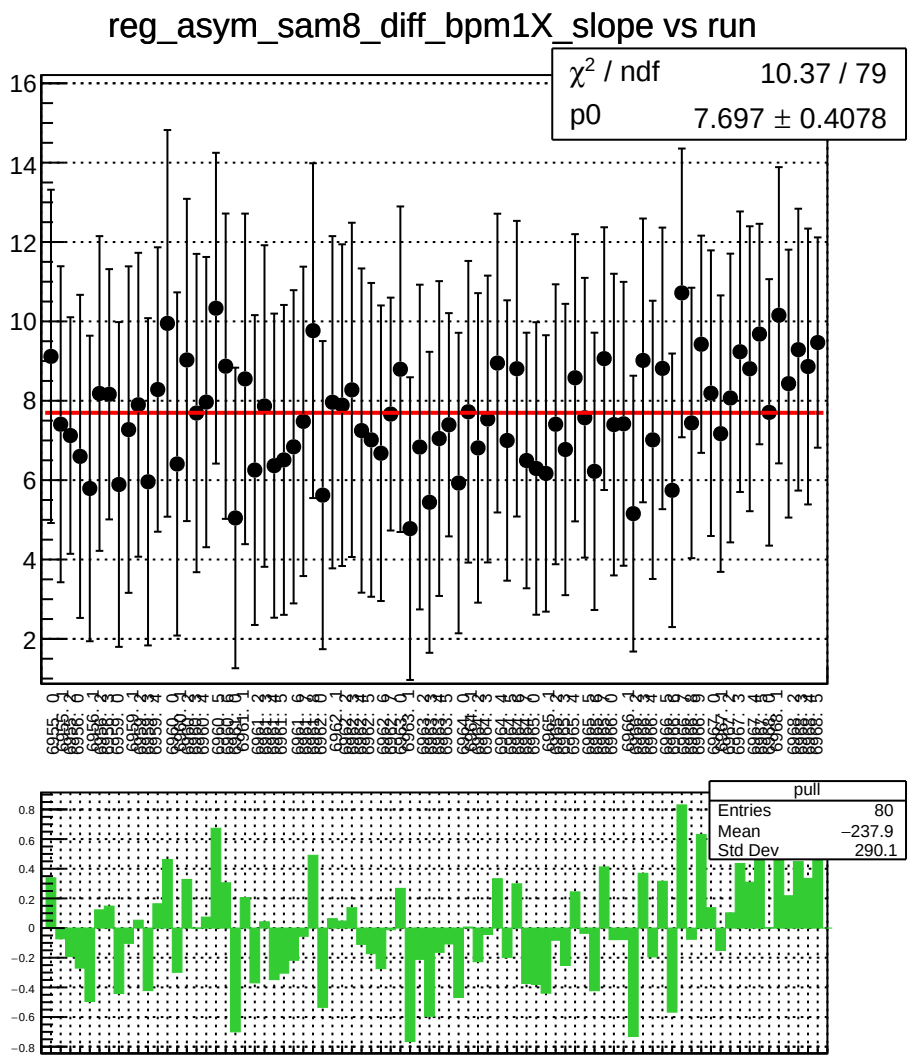

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 2.735 / 79
p0 8.01 ± 0.3706
pull
Entries 80
Mean −830.9
Std Dev 861.4
pull1D
Entries 80
Mean −0.001966
Std Dev 0.1849

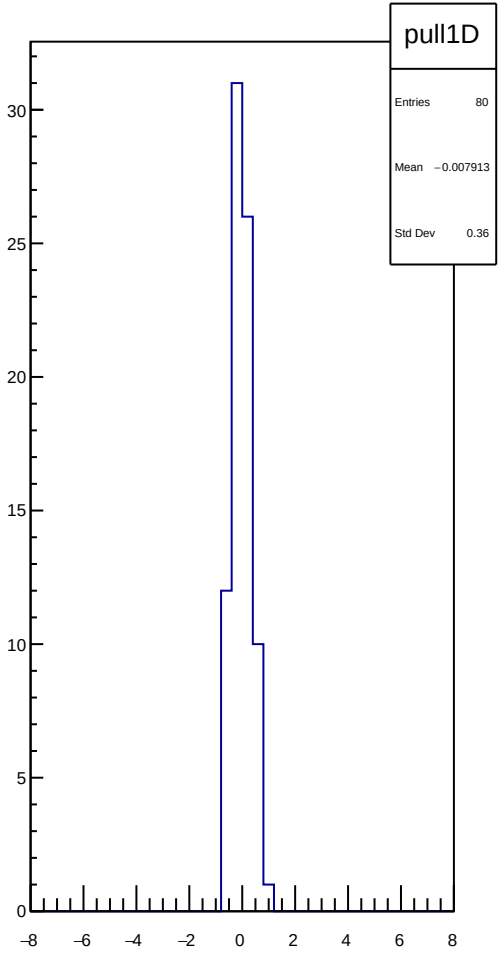

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 13.1 / 79
p0 −54.13 ± 0.5002
pull
Entries 80
Mean 6203
Std Dev 6163

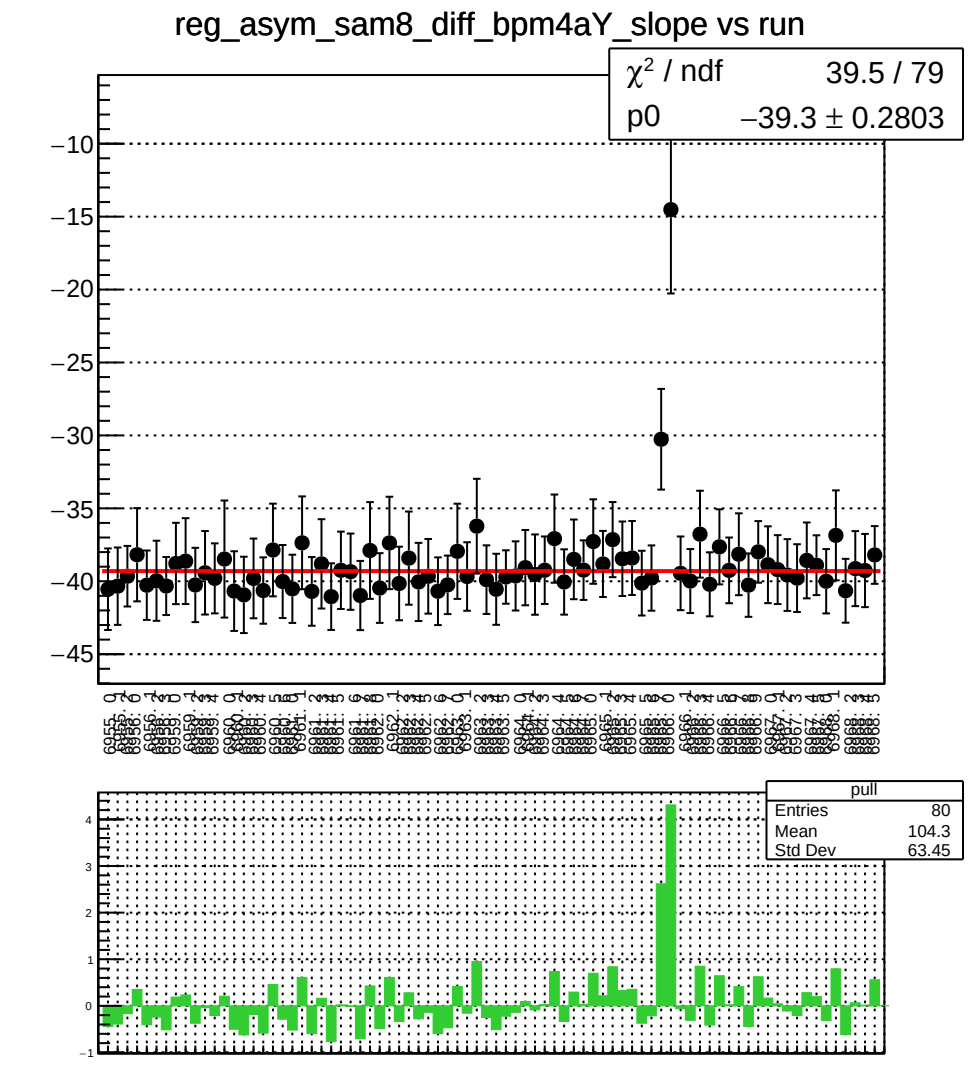

pull1D
Entries 80
Mean −0.0007349
Std Dev 0.4047

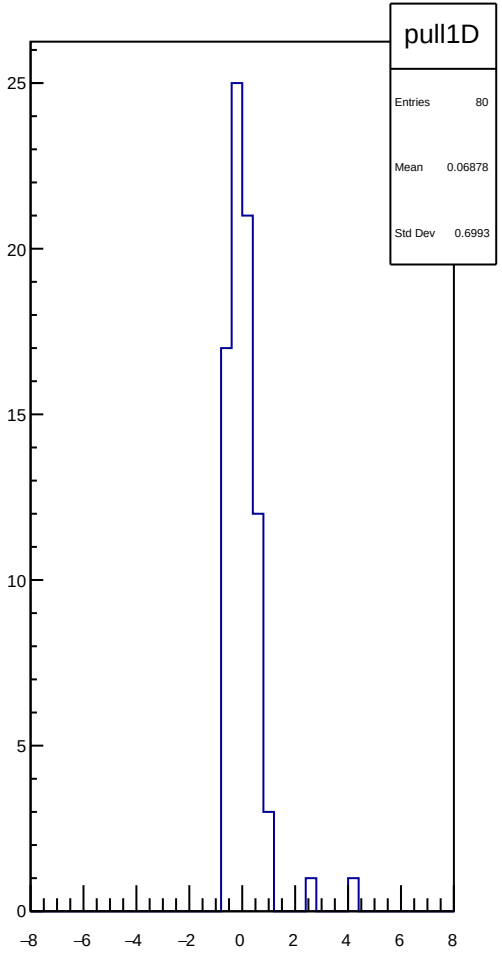

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.672 / 79
p0 −14.4 ± 0.4224
pull
Entries 80
Mean −1331
Std Dev 1363
pull1D
Entries 80
Mean 0.001691
Std Dev 0.2142

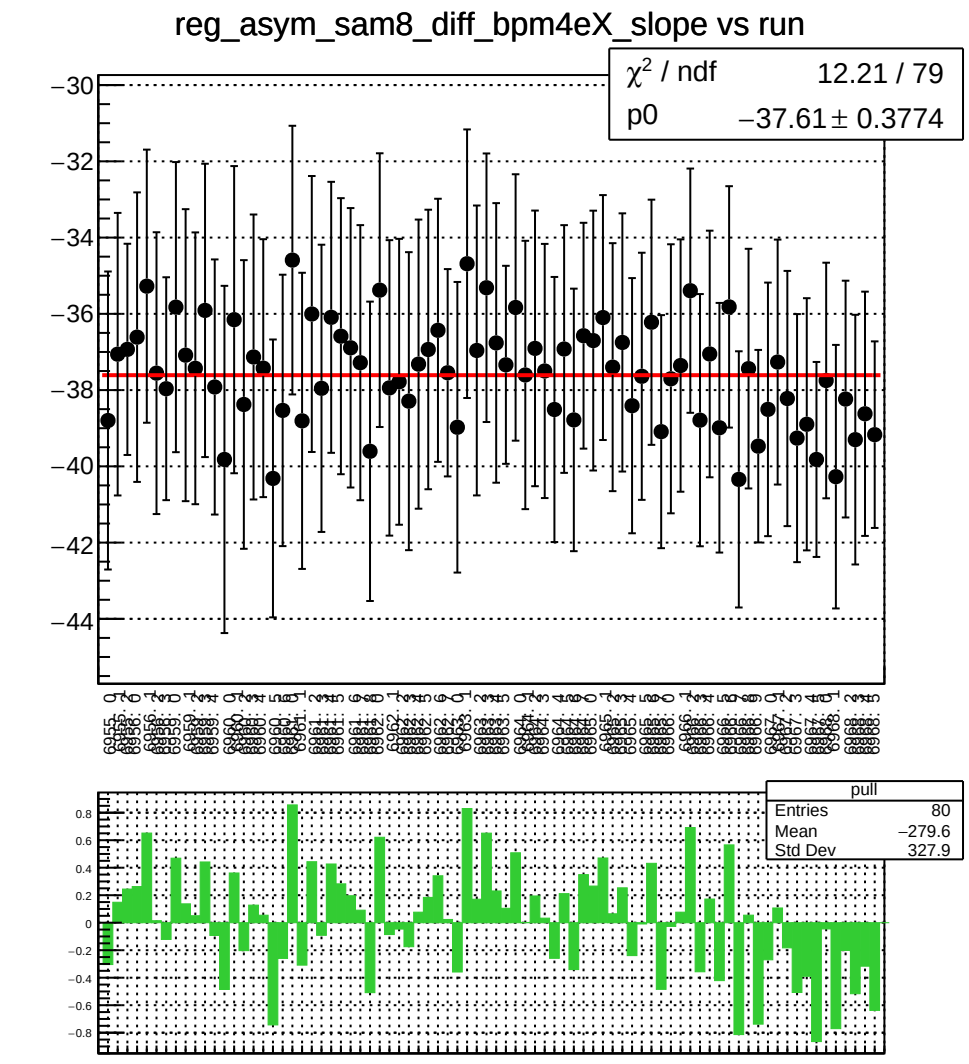

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 9.965 / 79
p0 0.4669 ± 0.01647
pull
Entries 80
Mean −1150
Std Dev 1184
pull1D
Entries 80
Mean −0.003187
Std Dev 0.3529

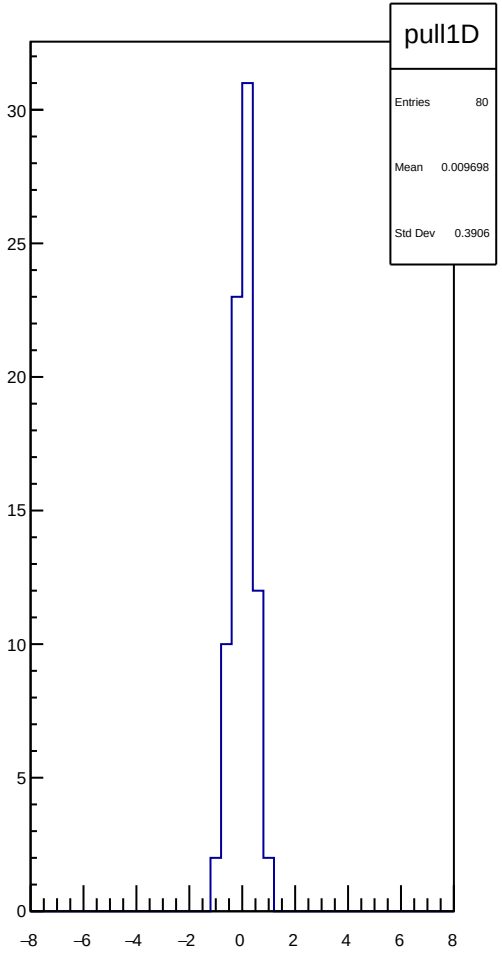

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 10.37 / 79
p0 7.697 ± 0.4078
pull
Entries 80
Mean −237.9
Std Dev 290.1

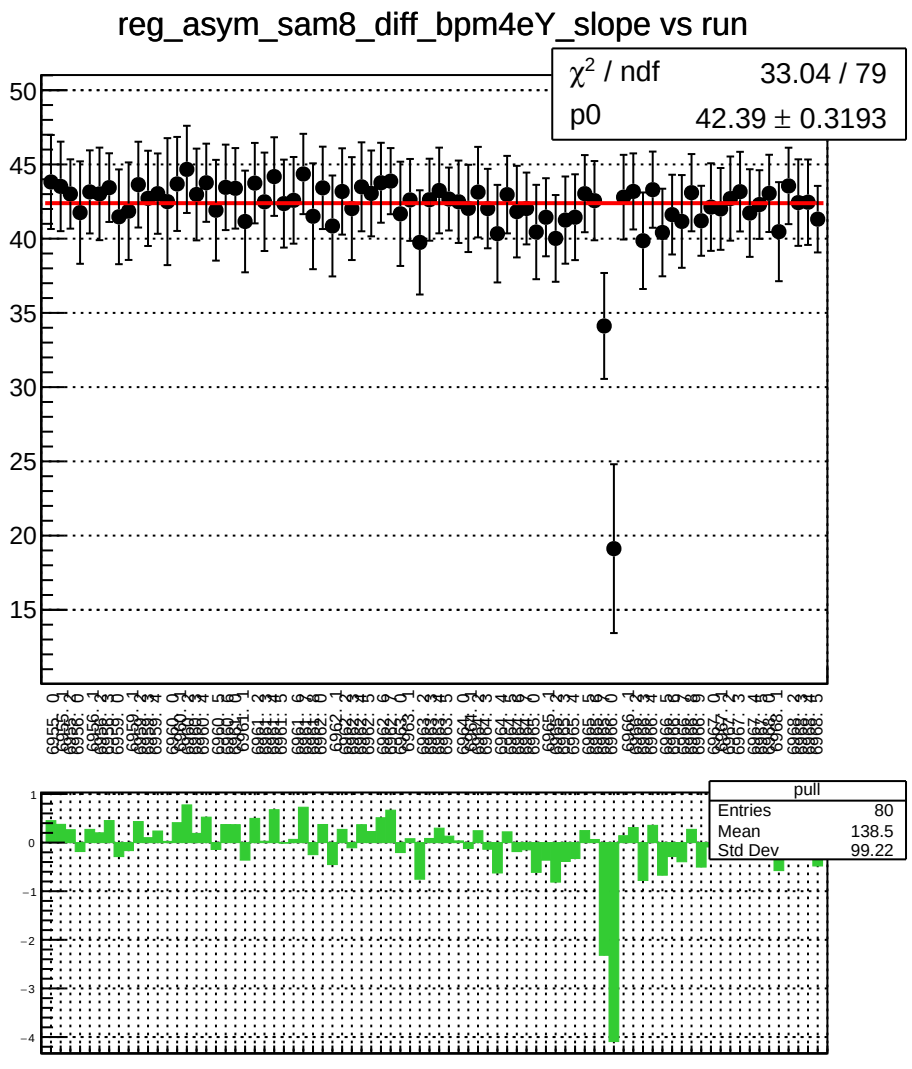

pull1D
Entries 80
Mean −0.007913
Std Dev 0.36

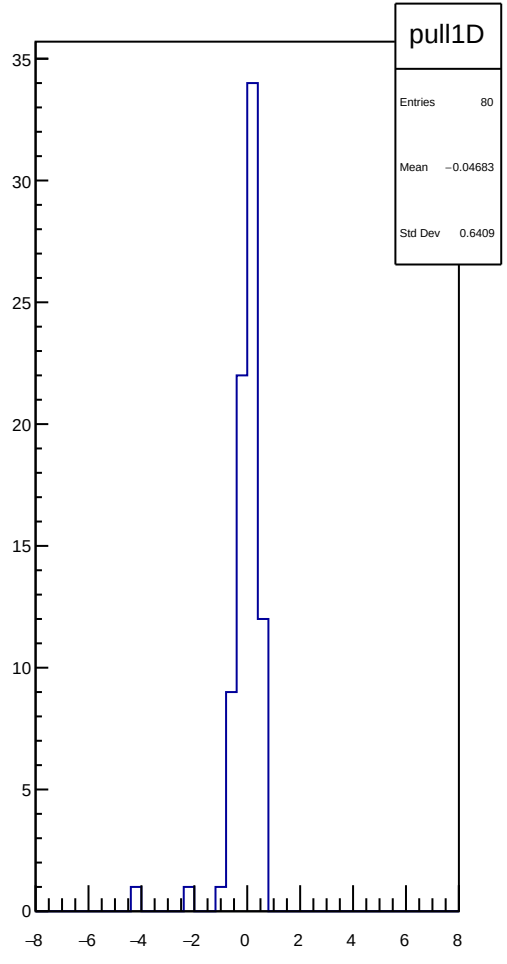

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 39.5 / 79
p0 −39.3 ± 0.2803
pull
Entries 80
Mean 104.3
Std Dev 63.45

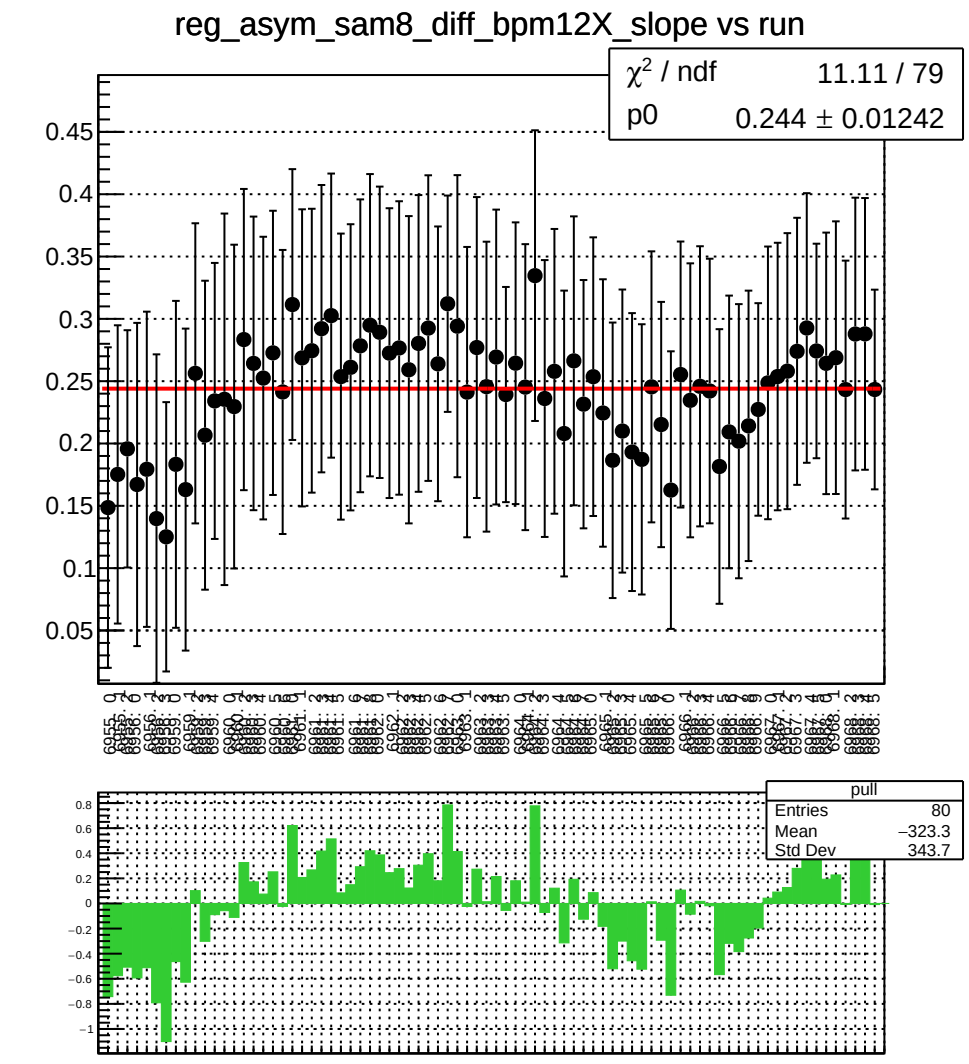

pull1D
Entries 80
Mean 0.06878
Std Dev 0.6993

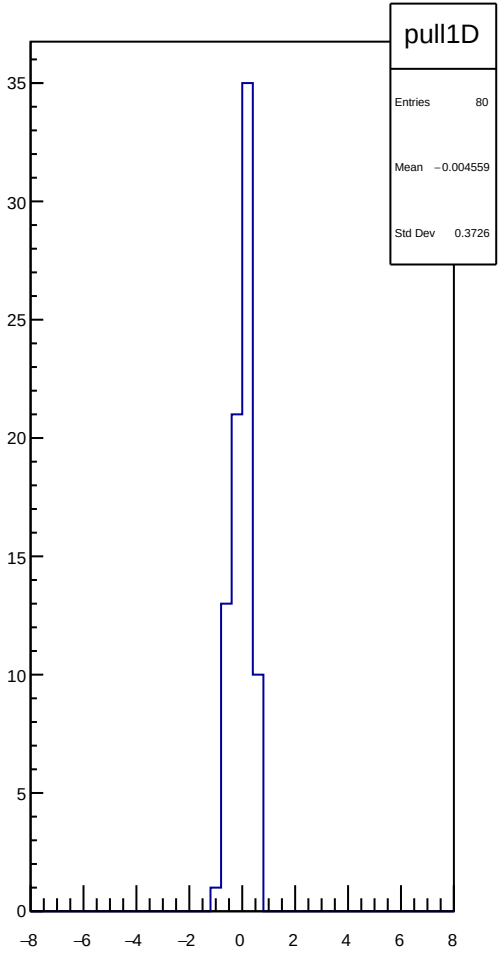

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 12.21 / 79
p0 −37.61 ± 0.3774
pull
Entries 80
Mean −279.6
Std Dev 327.9

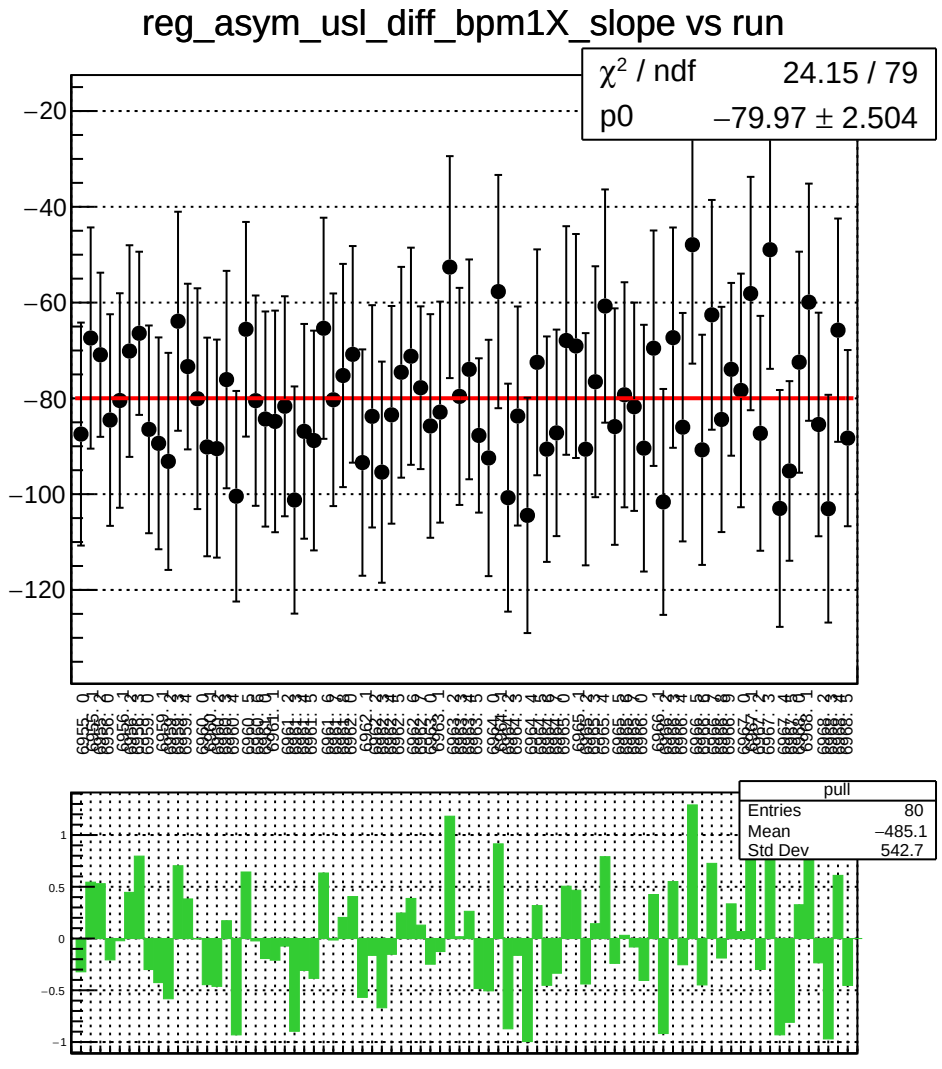

pull1D
Entries 80
Mean 0.009698
Std Dev 0.3906

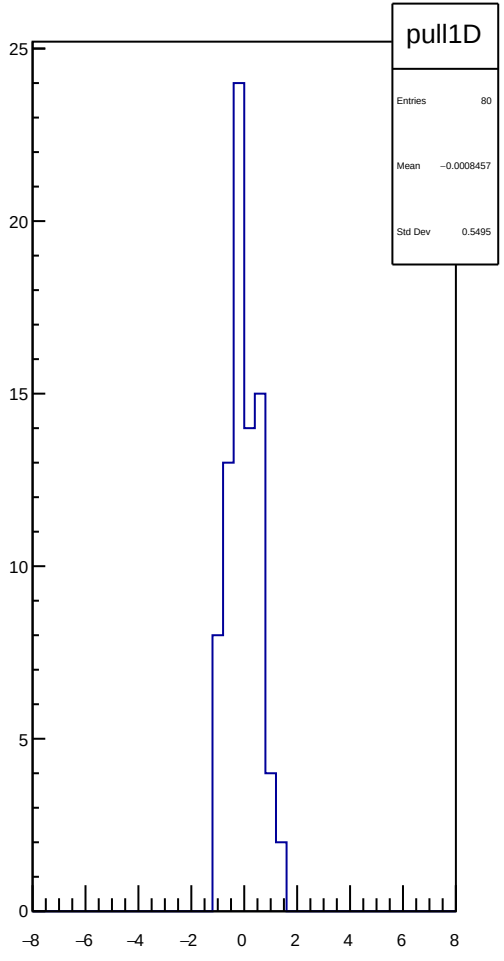

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 33.04 / 79
p0 42.39 ± 0.3193
pull
Entries 80
Mean 138.5
Std Dev 99.22

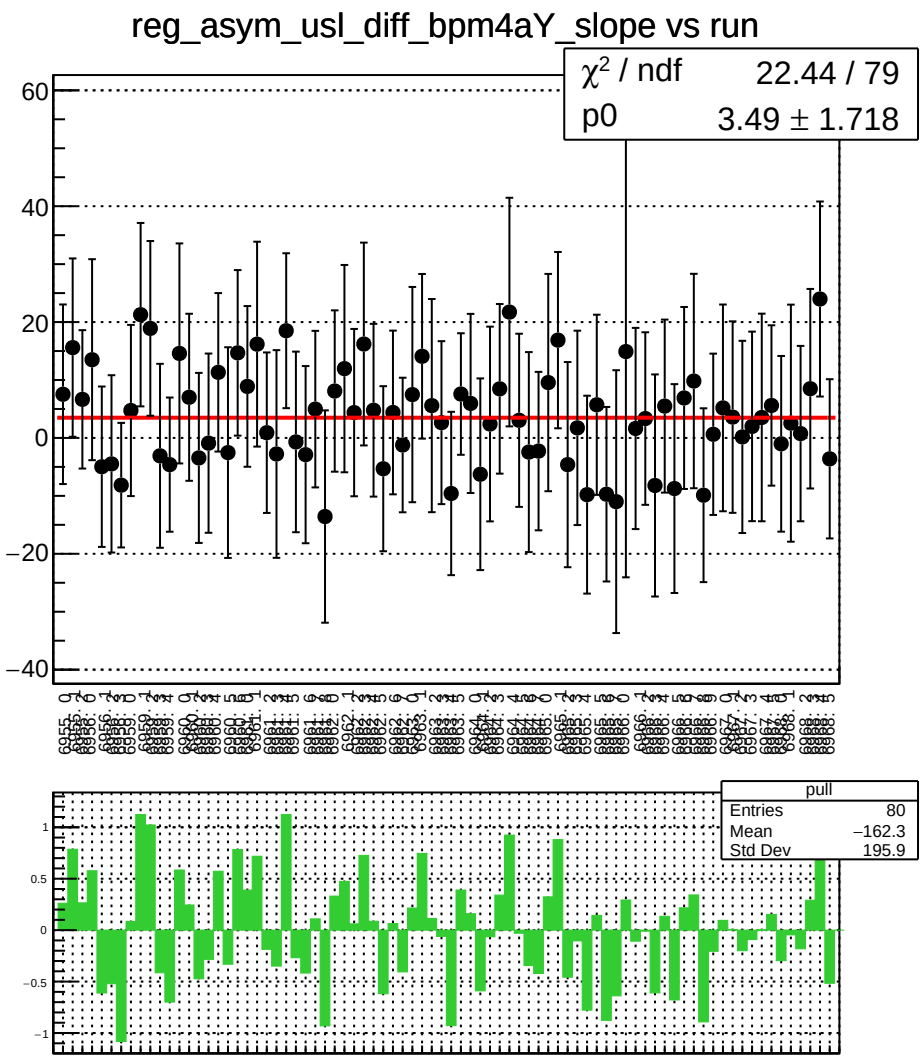

pull1D
Entries 80
Mean −0.04683
Std Dev 0.6409

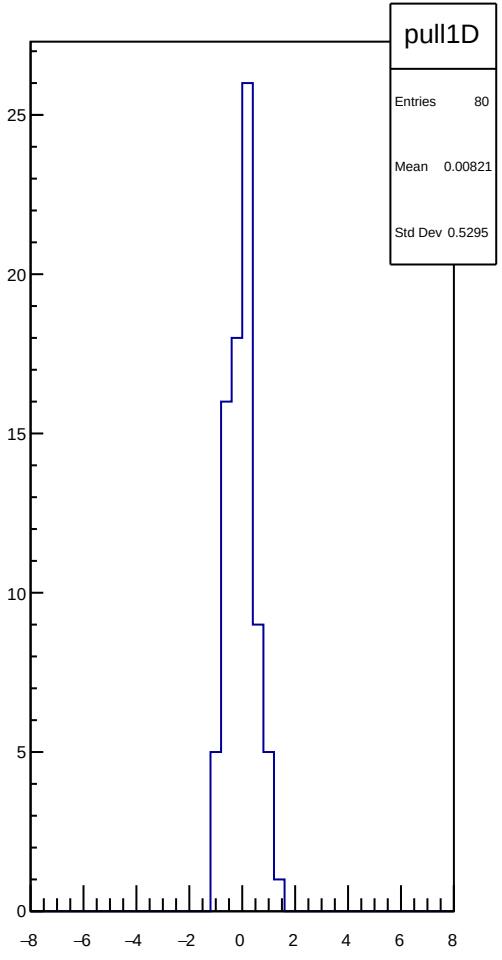

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 11.11 / 79
p0 0.244 ± 0.01242
pull
Entries 80
Mean −323.3
Std Dev 343.7

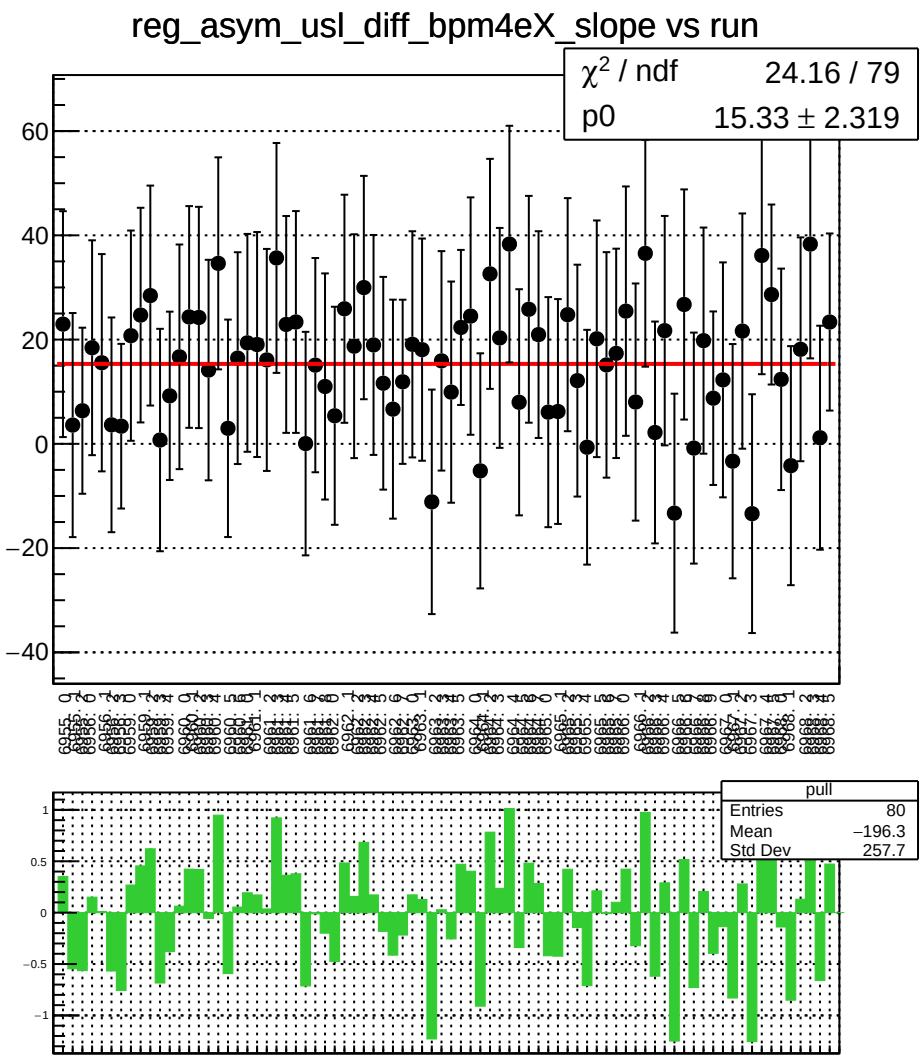

pull1D
Entries 80
Mean −0.004559
Std Dev 0.3726

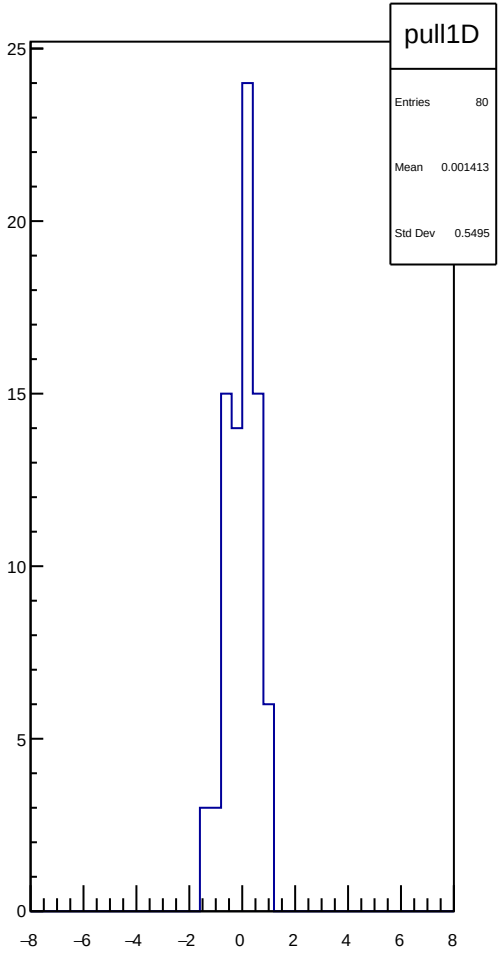

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 24.15 / 79
p0 −79.97 ± 2.504
−20
−40
−60
−80
−100
−120
pull
Entries 80
Mean −485.1
Std Dev 542.7
1
0.5
0
−0.5
−1

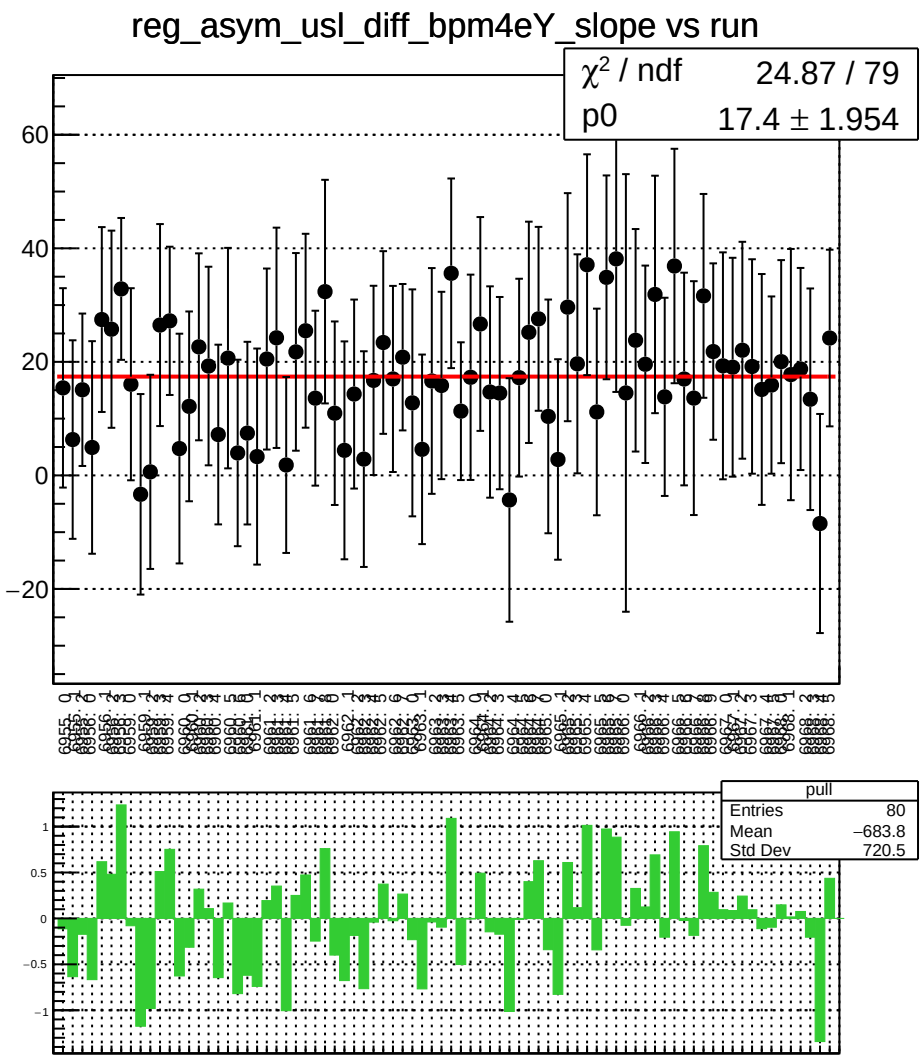

pull1D
Entries 80
Mean −0.0008457
Std Dev 0.5495
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

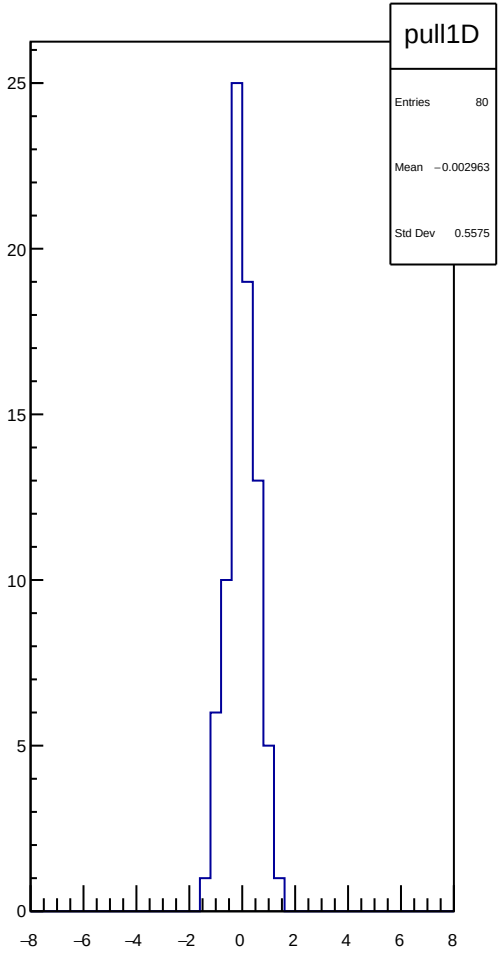

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.44 / 79
p0 3.49 ± 1.718
pull
Entries 80
Mean −162.3
Std Dev 195.9

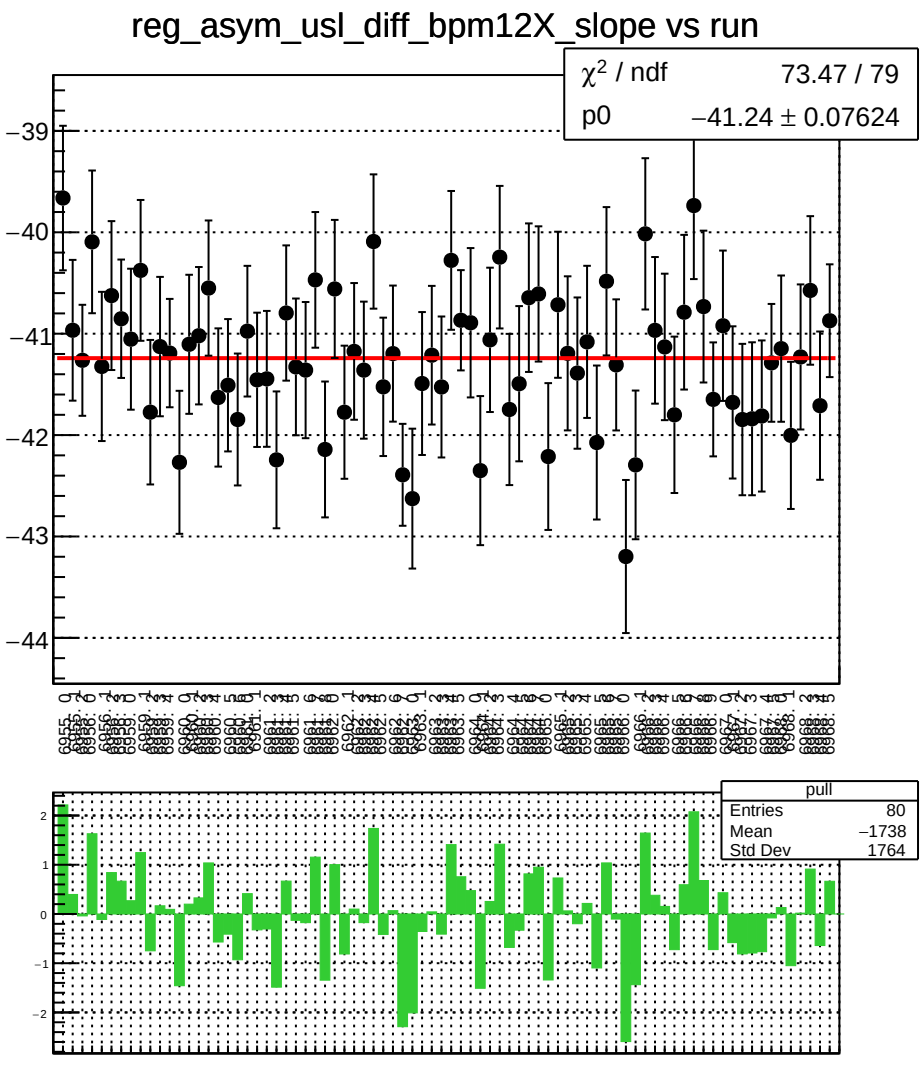

pull1D
Entries 80
Mean 0.00821
Std Dev 0.5295

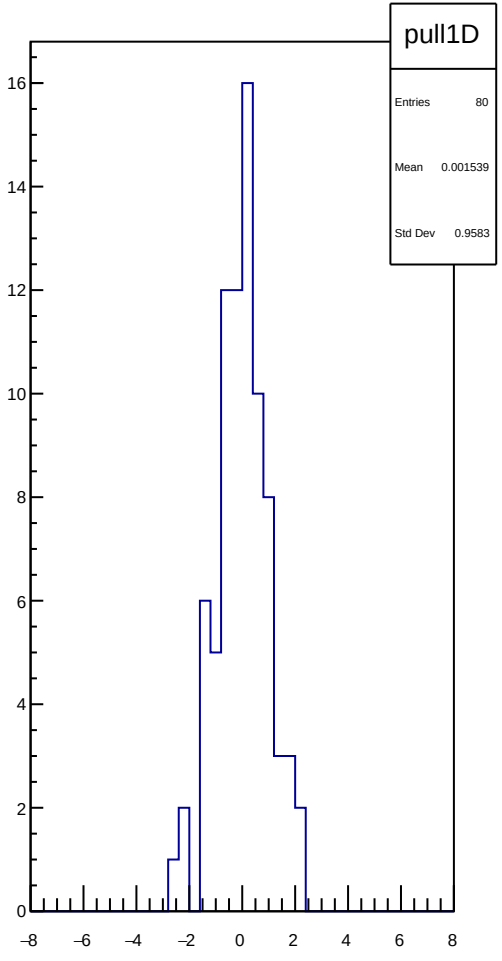

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 24.16 / 79
p0 15.33 ± 2.319
pull
Entries 80
Mean −196.3
Std Dev 257.7

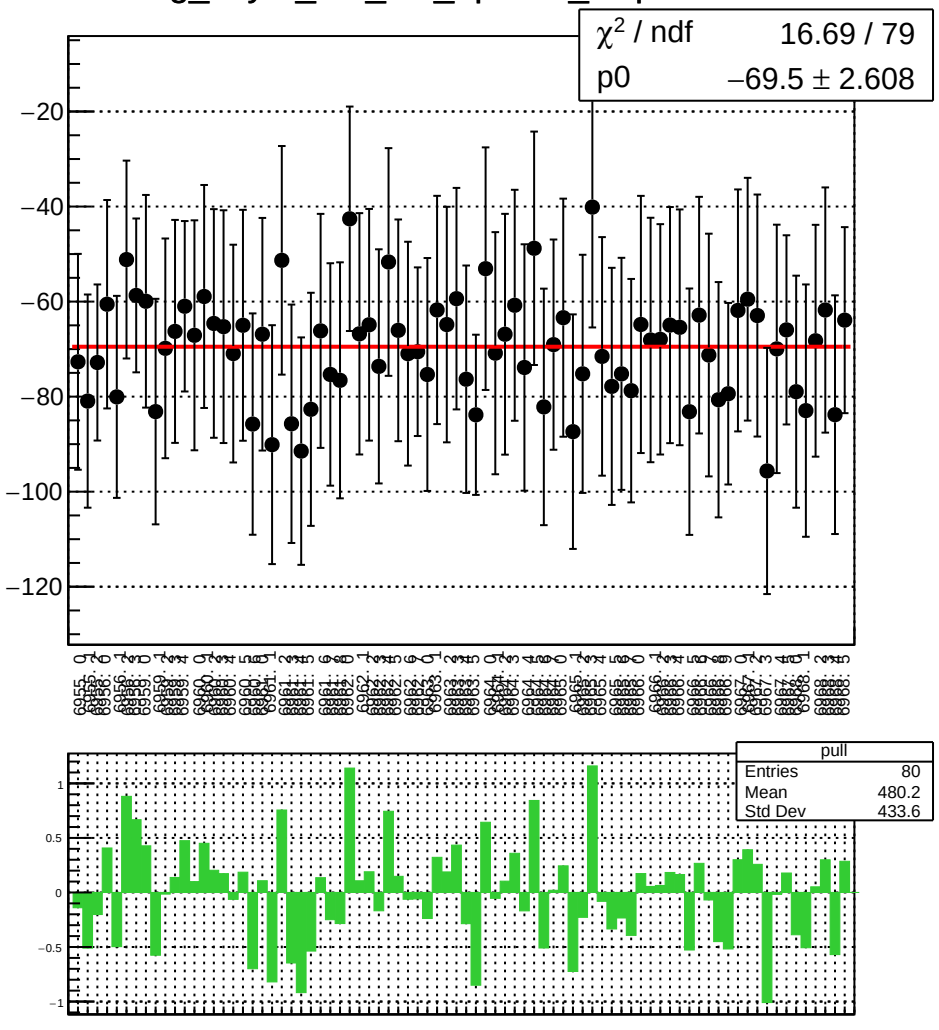

pull1D
Entries 80
Mean 0.001413
Std Dev 0.5495

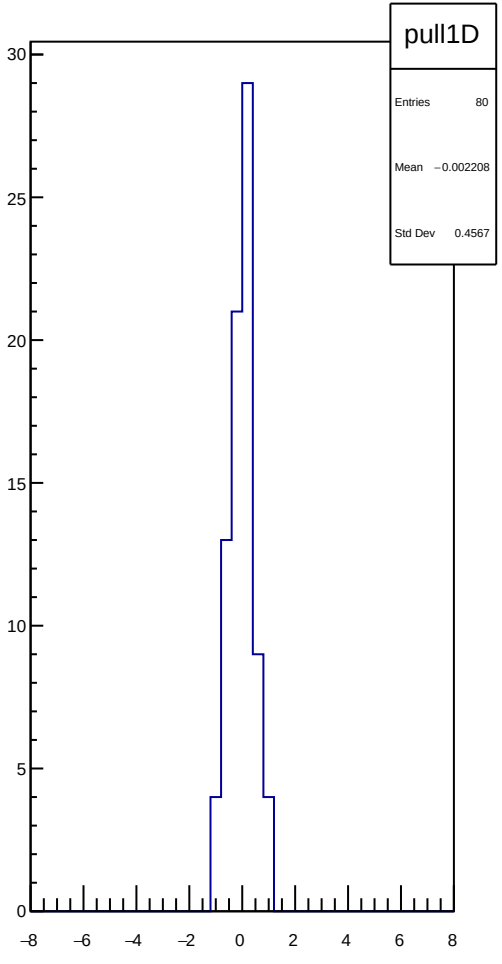

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 24.87 / 79
p0 17.4 ± 1.954
pull
Entries 80
Mean −683.8
Std Dev 720.5

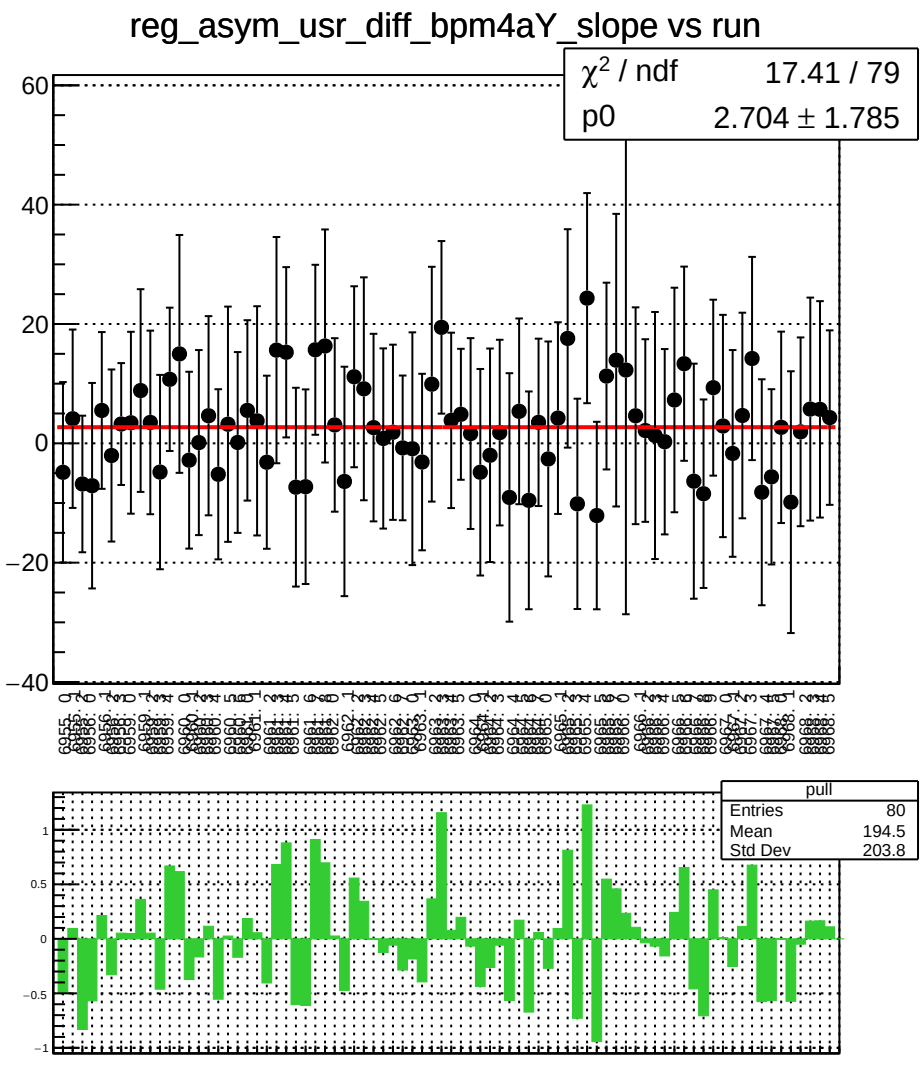

pull1D
Entries 80
Mean −0.002963
Std Dev 0.5575

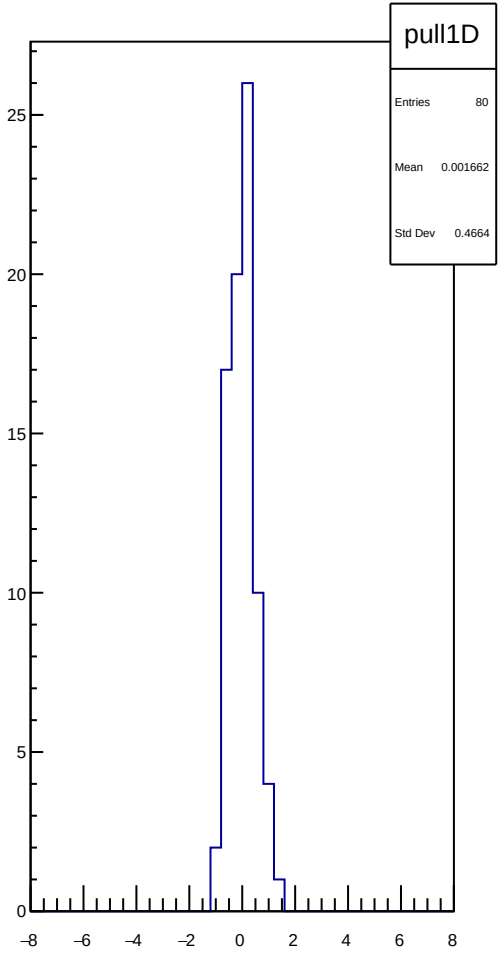

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 73.47 / 79
p0 −41.24 ± 0.07624
pull
Entries 80
Mean −1738
Std Dev 1764

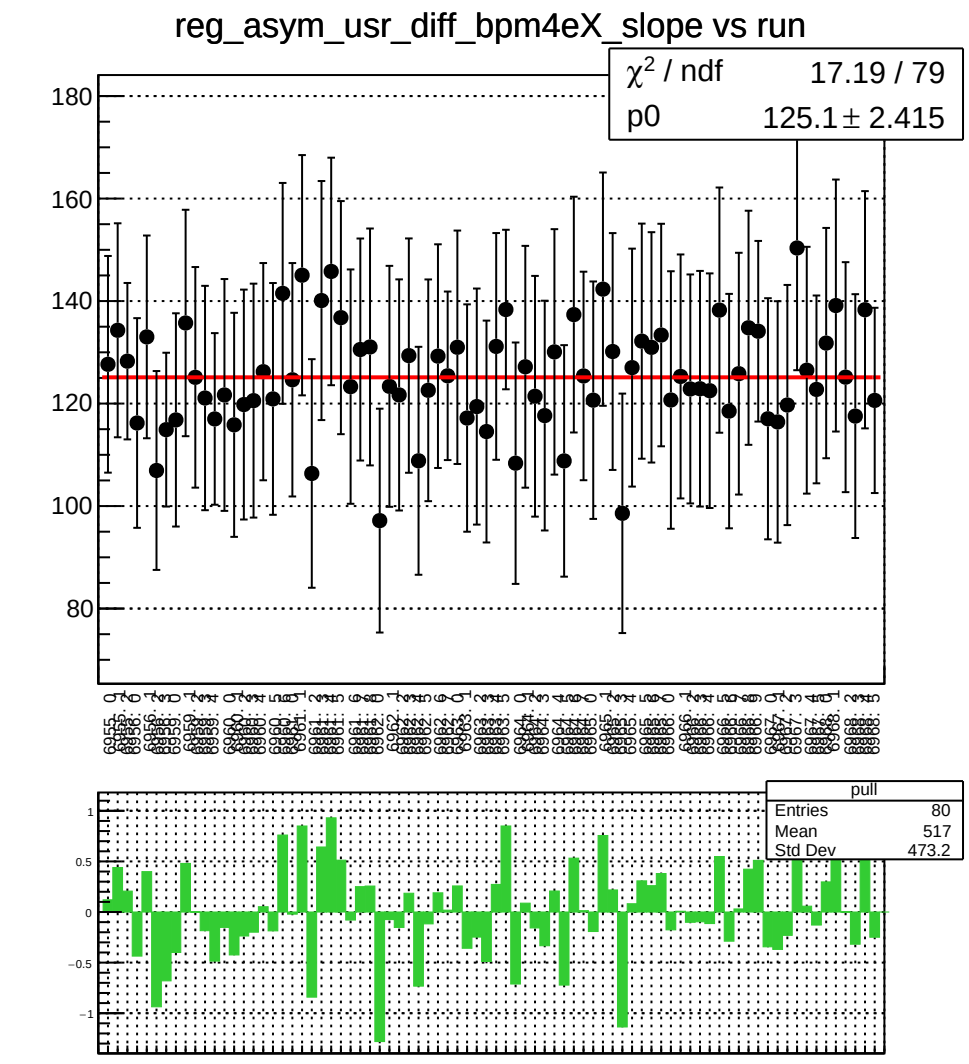

pull1D
Entries 80
Mean 0.001539
Std Dev 0.9583

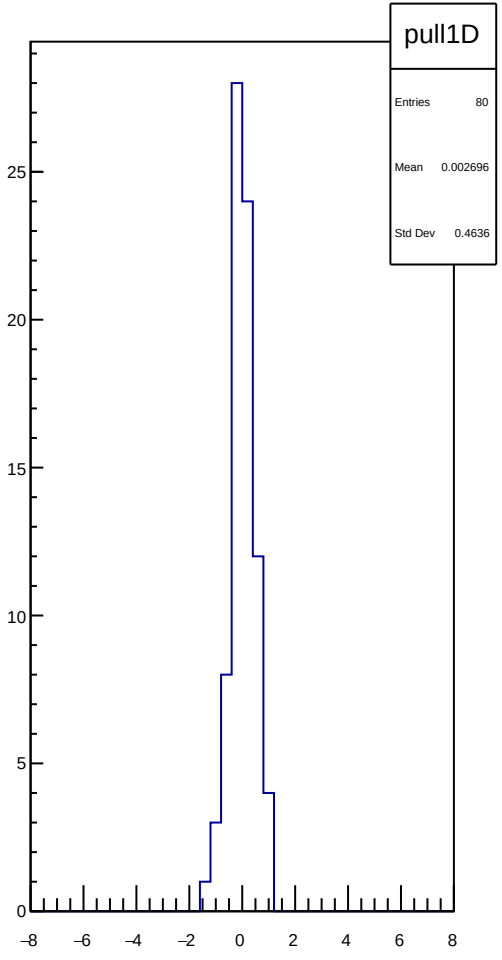

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 16.69 / 79
p0 −69.5 ± 2.608
pull
Entries 80
Mean 480.2
Std Dev 433.6

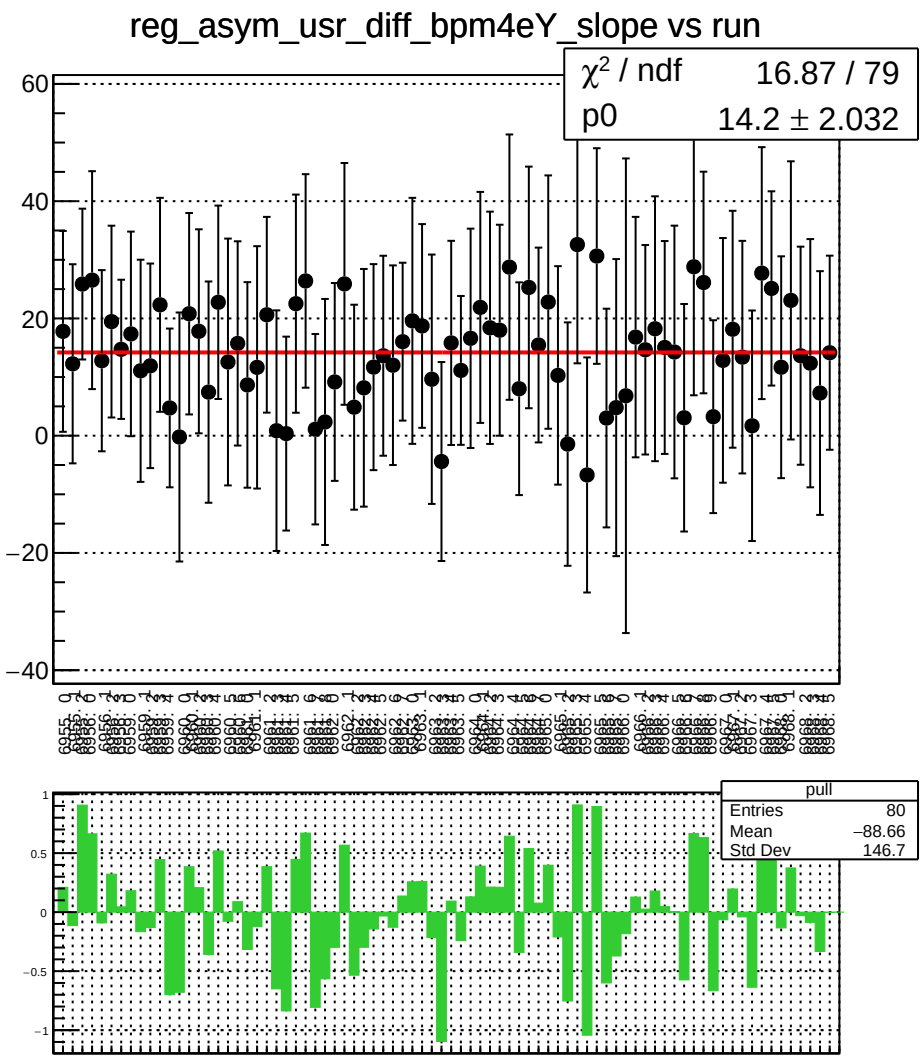

pull1D
Entries 80
Mean −0.002208
Std Dev 0.4567

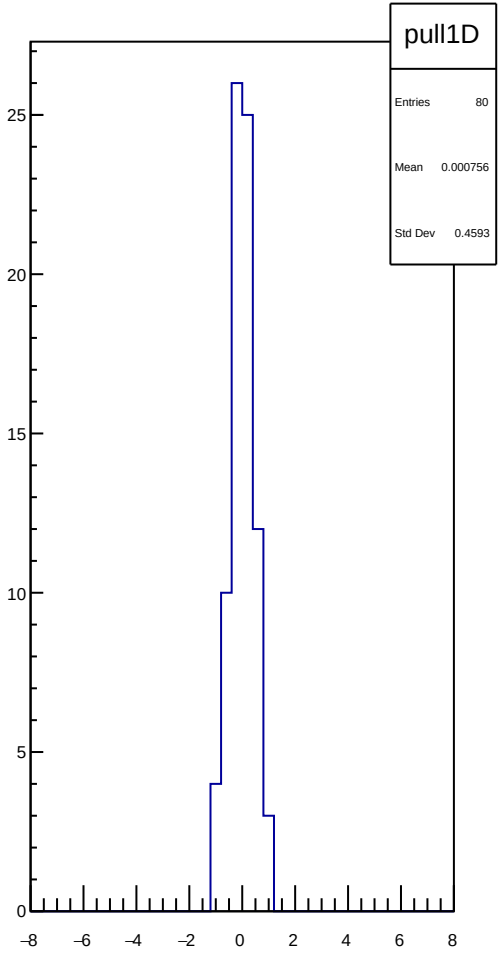

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 17.41 / 79
p0 2.704 ± 1.785
pull
Entries 80
Mean 194.5
Std Dev 203.8

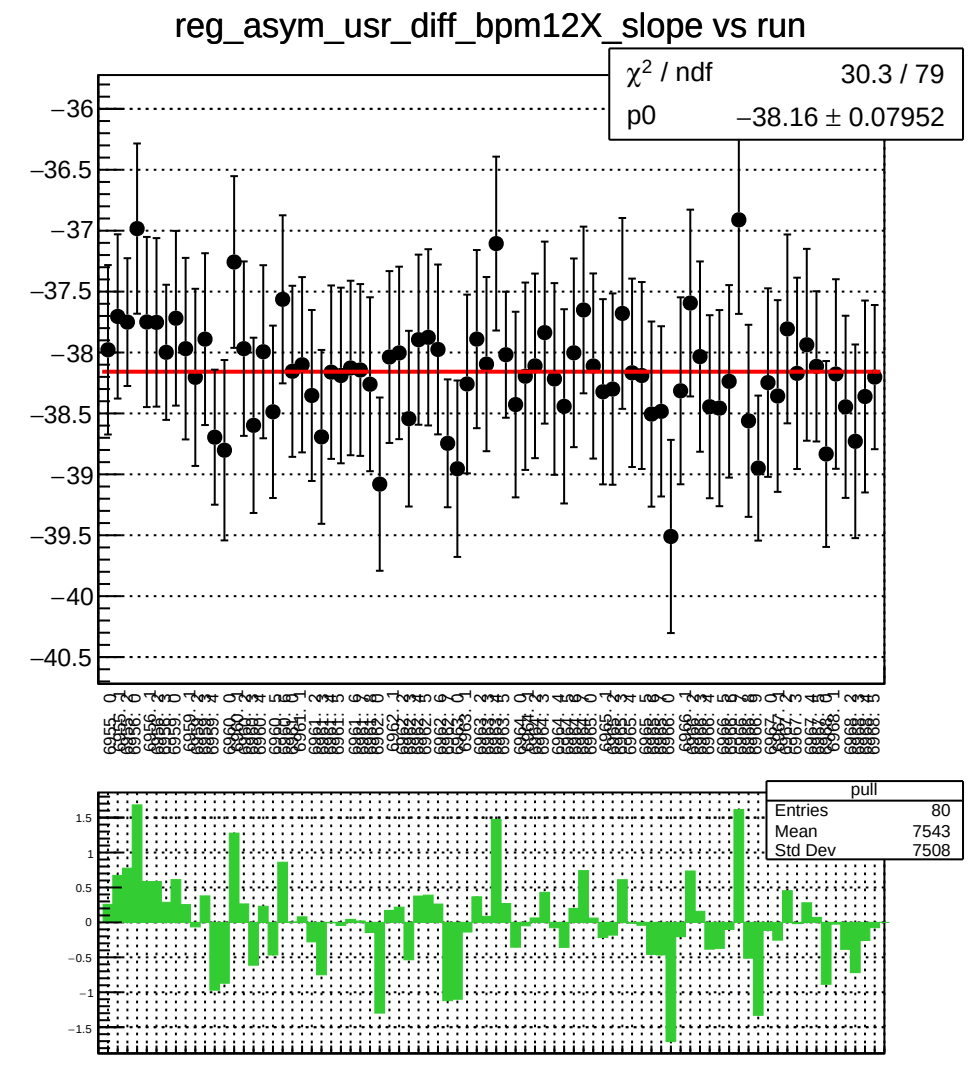

pull1D
Entries 80
Mean 0.001662
Std Dev 0.4664

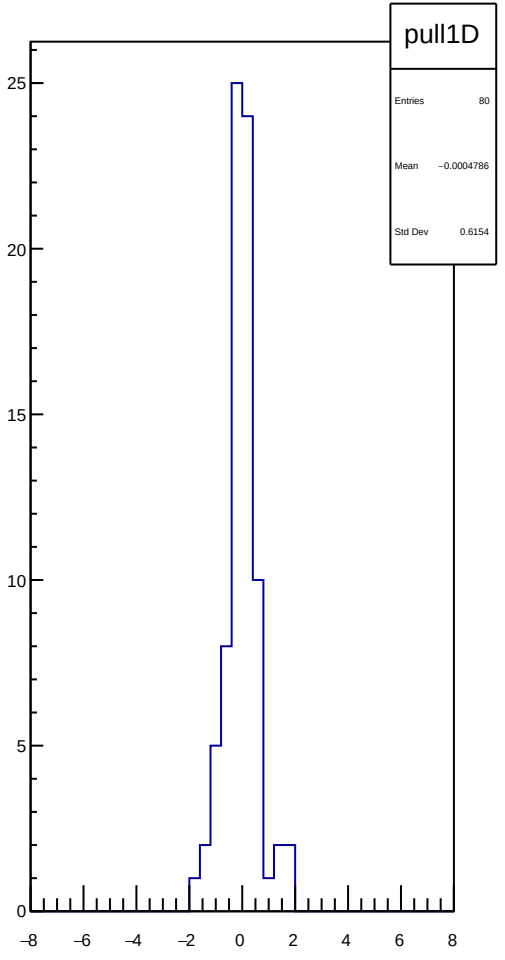

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 17.19 / 79
p0 125.1 ± 2.415
pull
Entries 80
Mean 517
Std Dev 473.2

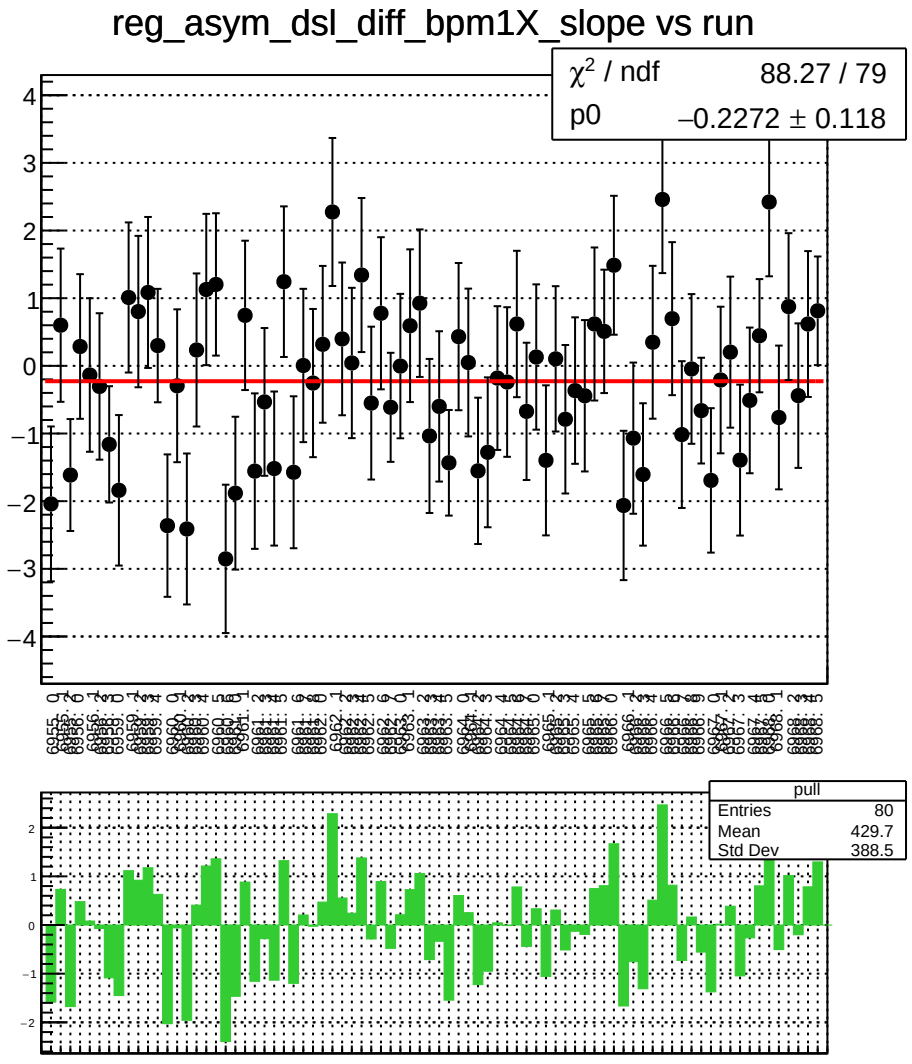

pull1D
Entries 80
Mean 0.002696
Std Dev 0.4636

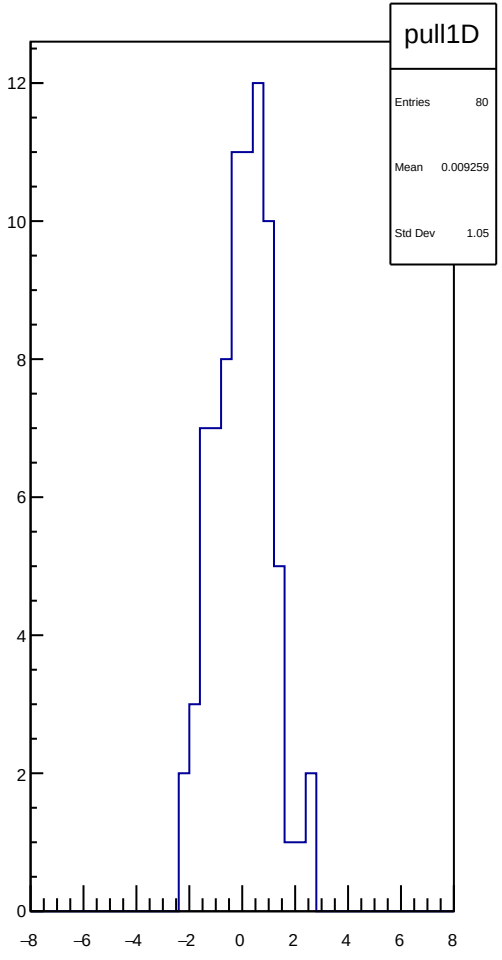

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.87 / 79
p0 14.2 ± 2.032
pull
Entries 80
Mean −88.66
Std Dev 146.7

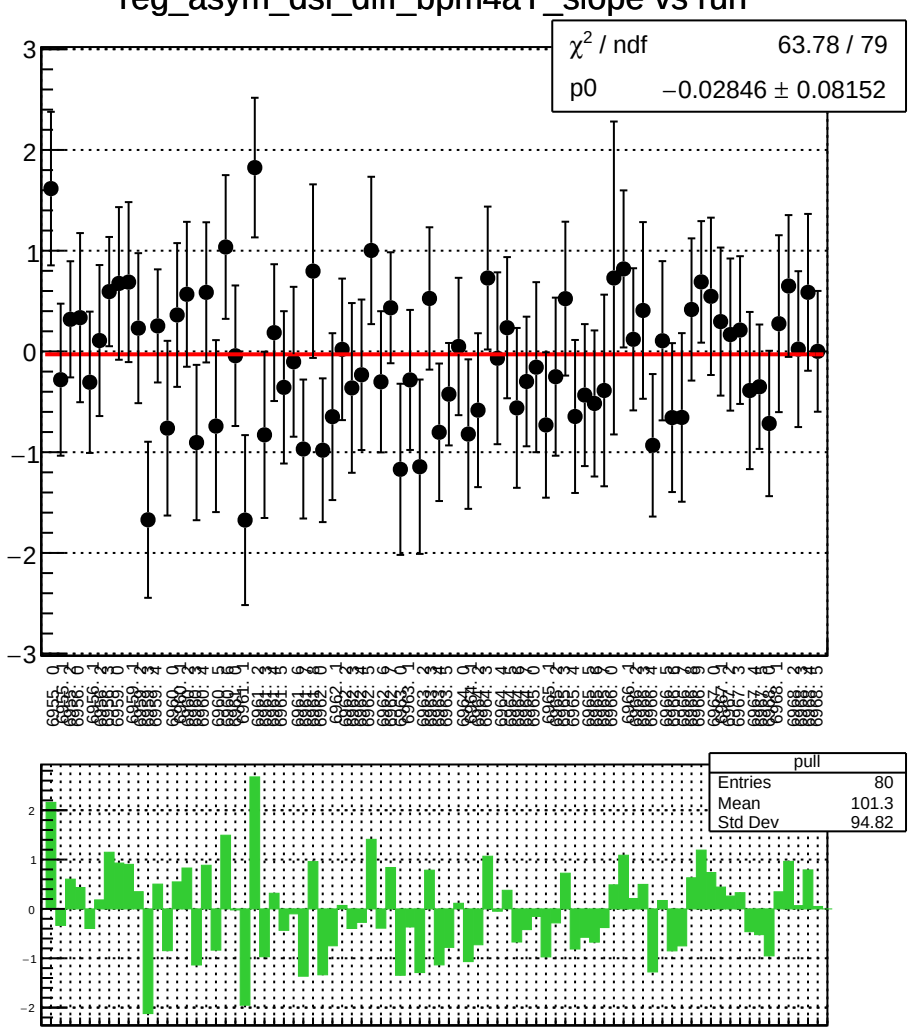

pull1D
Entries 80
Mean 0.000756
Std Dev 0.4593

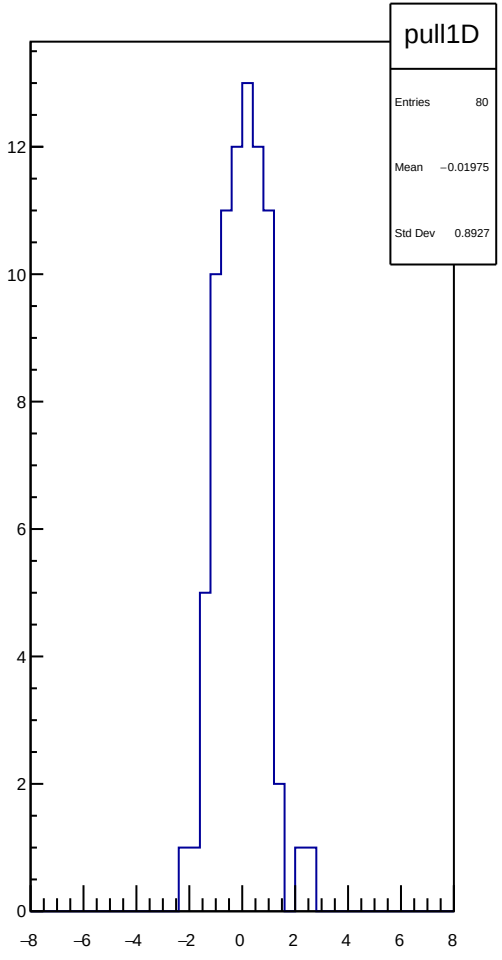

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 30.3 / 79
p0 −38.16 ± 0.07952
pull
Entries 80
Mean 7543
Std Dev 7508

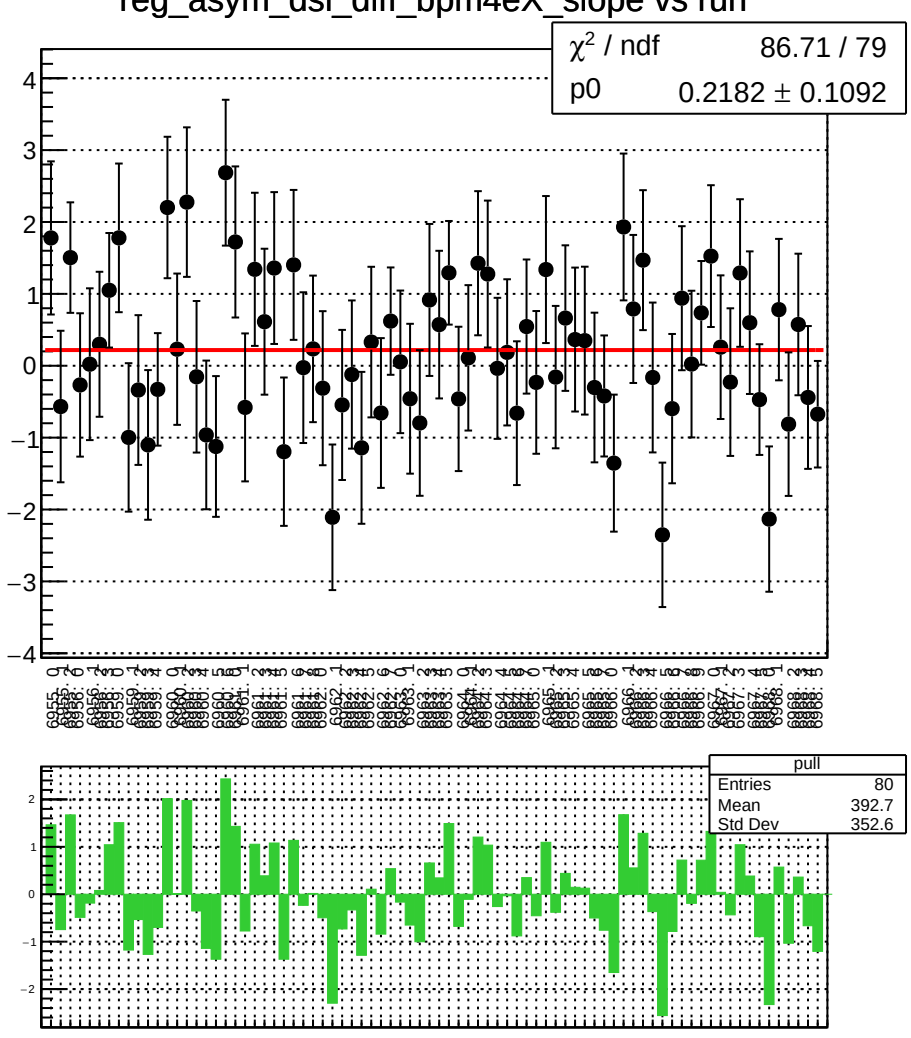

pull1D
Entries 80
Mean −0.0004786
Std Dev 0.6154

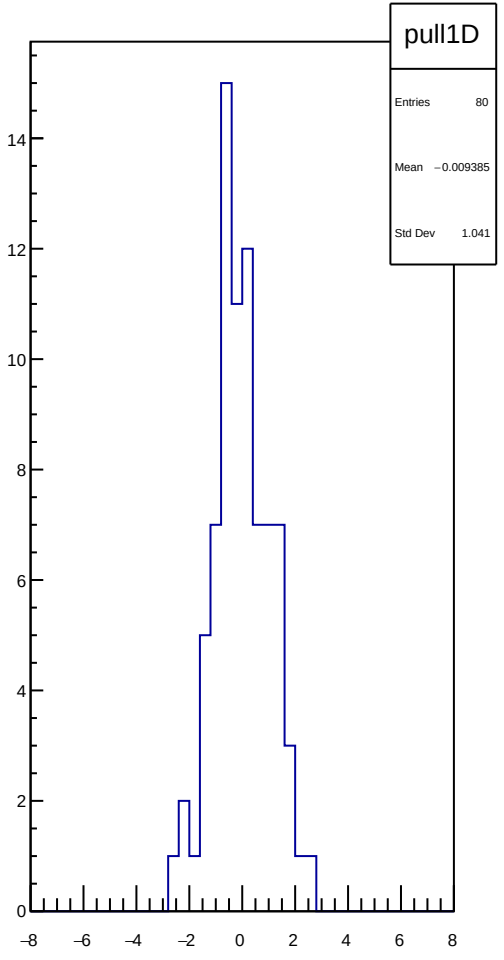

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 88.27 / 79
p0 −0.2272 ± 0.118
pull
Entries 80
Mean 429.7
Std Dev 388.5

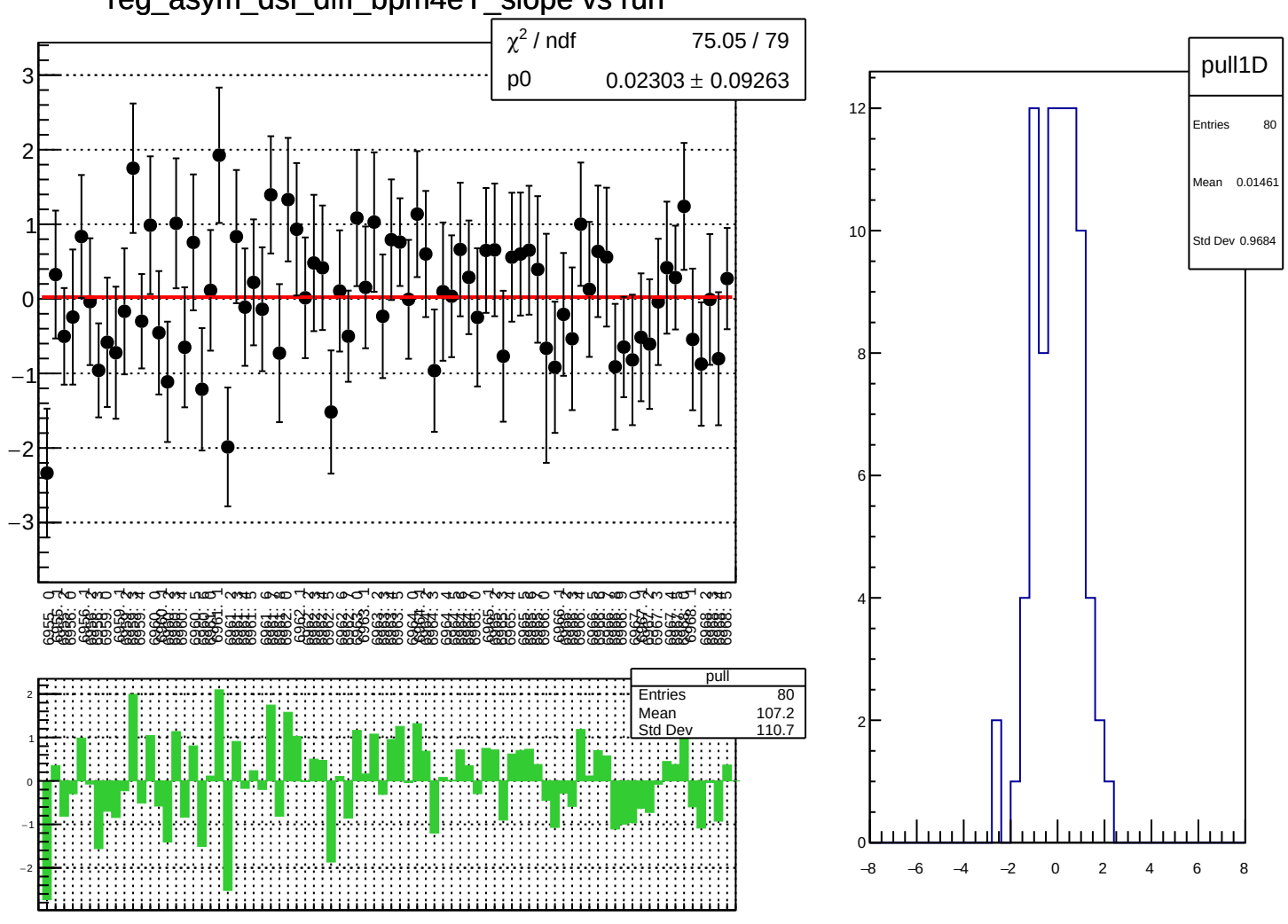

pull1D
Entries 80
Mean 0.009259
Std Dev 1.05

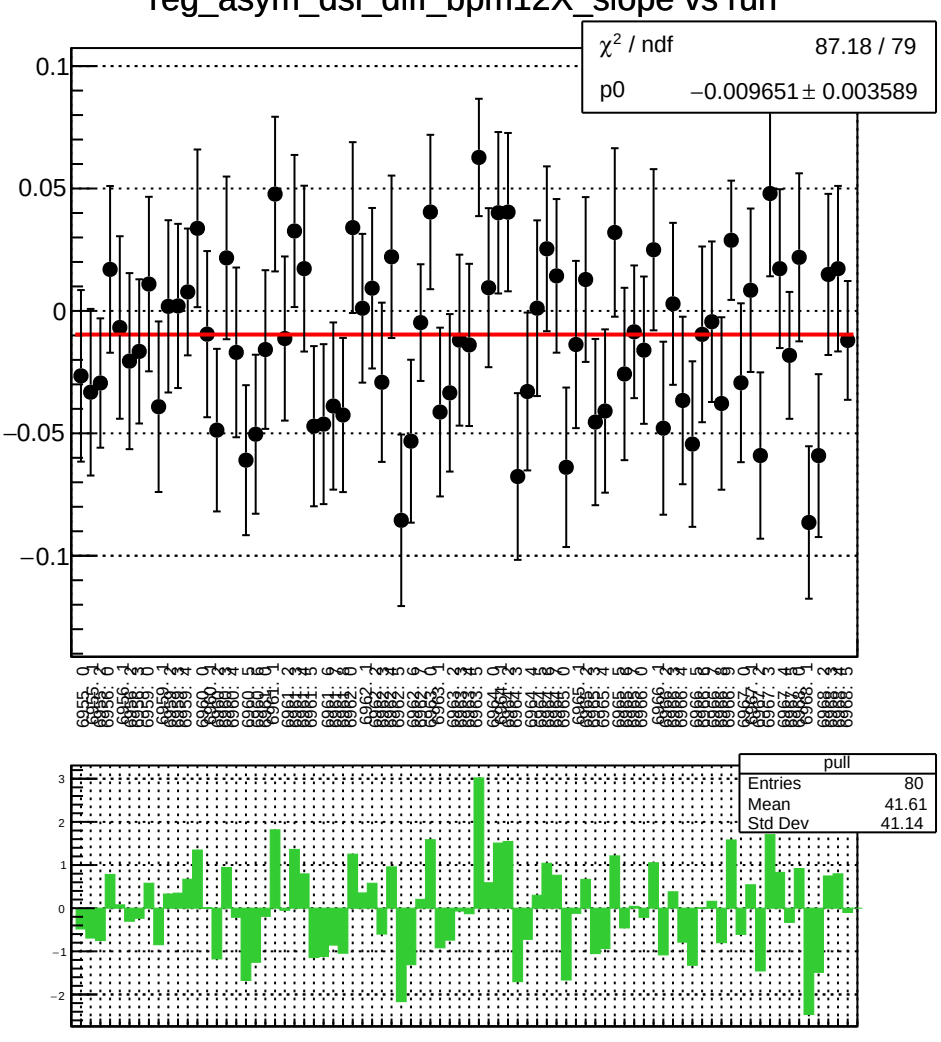

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 63.78 / 79
p0 −0.02846 ± 0.08152
pull
Entries 80
Mean 101.3
Std Dev 94.82

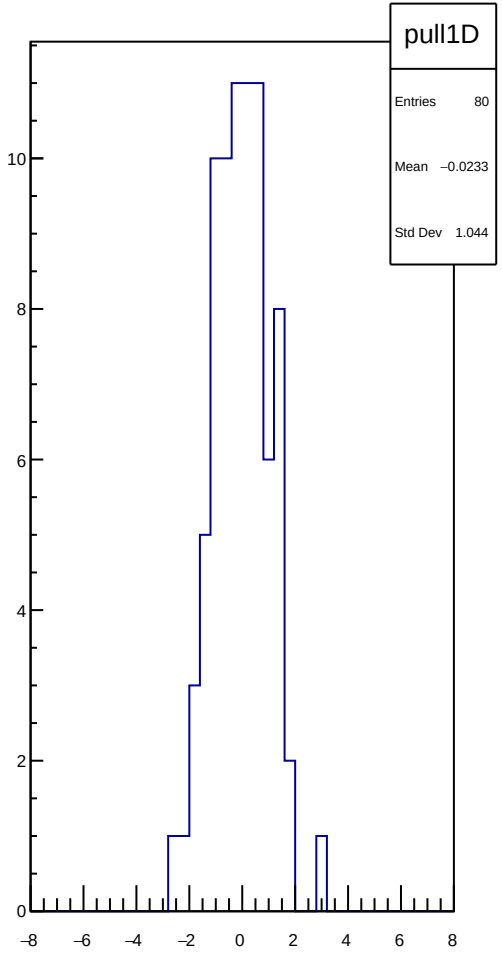

pull1D
Entries 80
Mean −0.01975
Std Dev 0.8927

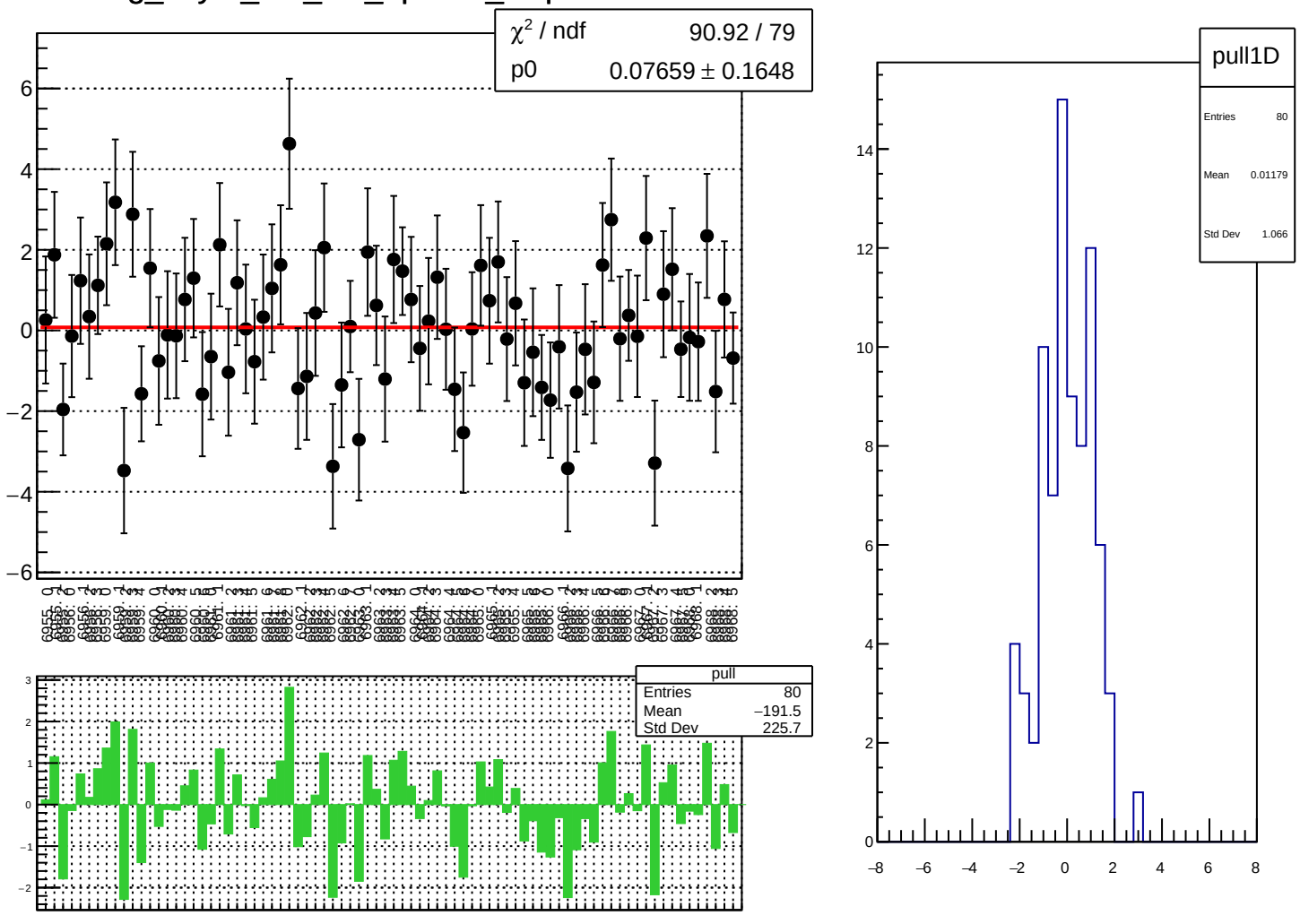

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 86.71 / 79
p0 0.2182 ± 0.1092
pull
Entries 80
Mean 392.7
Std Dev 352.6

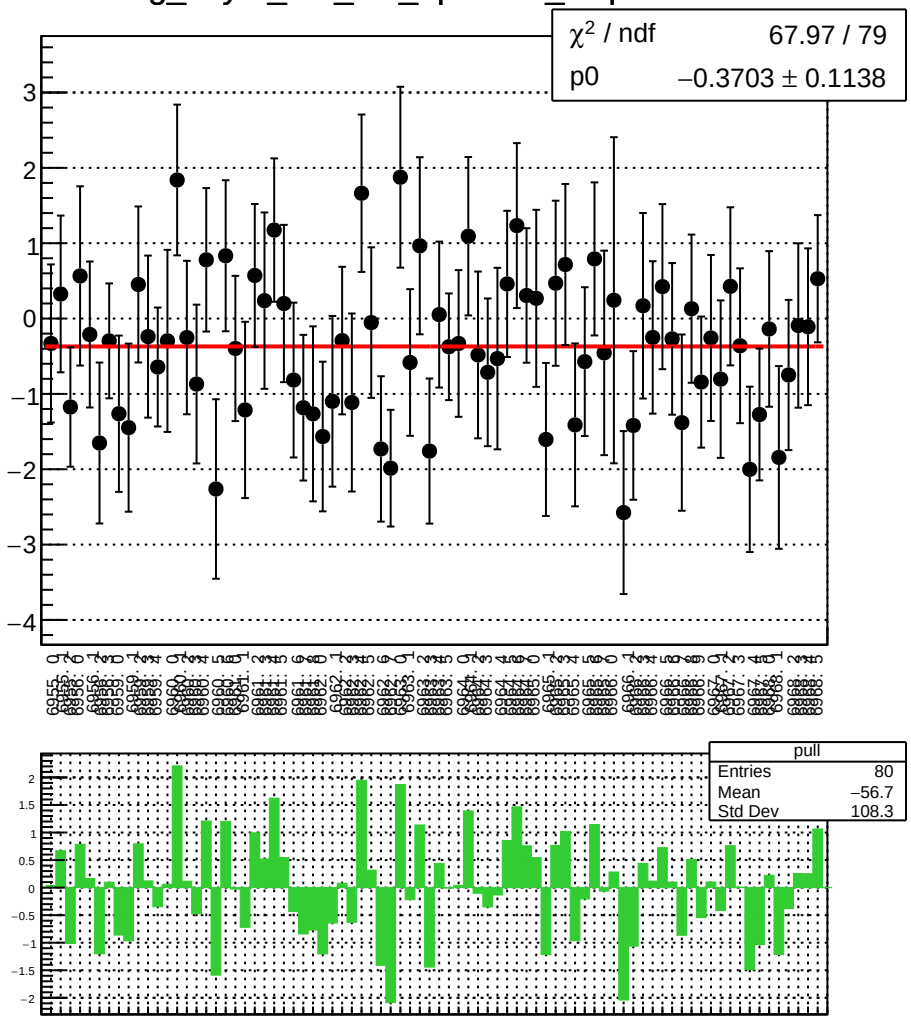

pull1D
Entries 80
Mean −0.009385
Std Dev 1.041

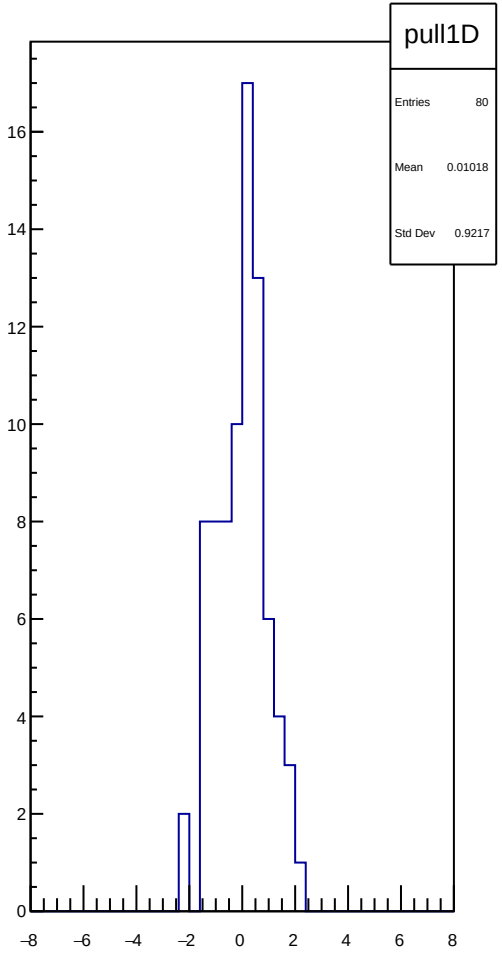

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 75.05 / 79
p0 0.02303 ± 0.09263
pull
Entries 80
Mean 107.2
Std Dev 110.7
pull1D
Entries 80
Mean 0.01461
Std Dev 0.9684

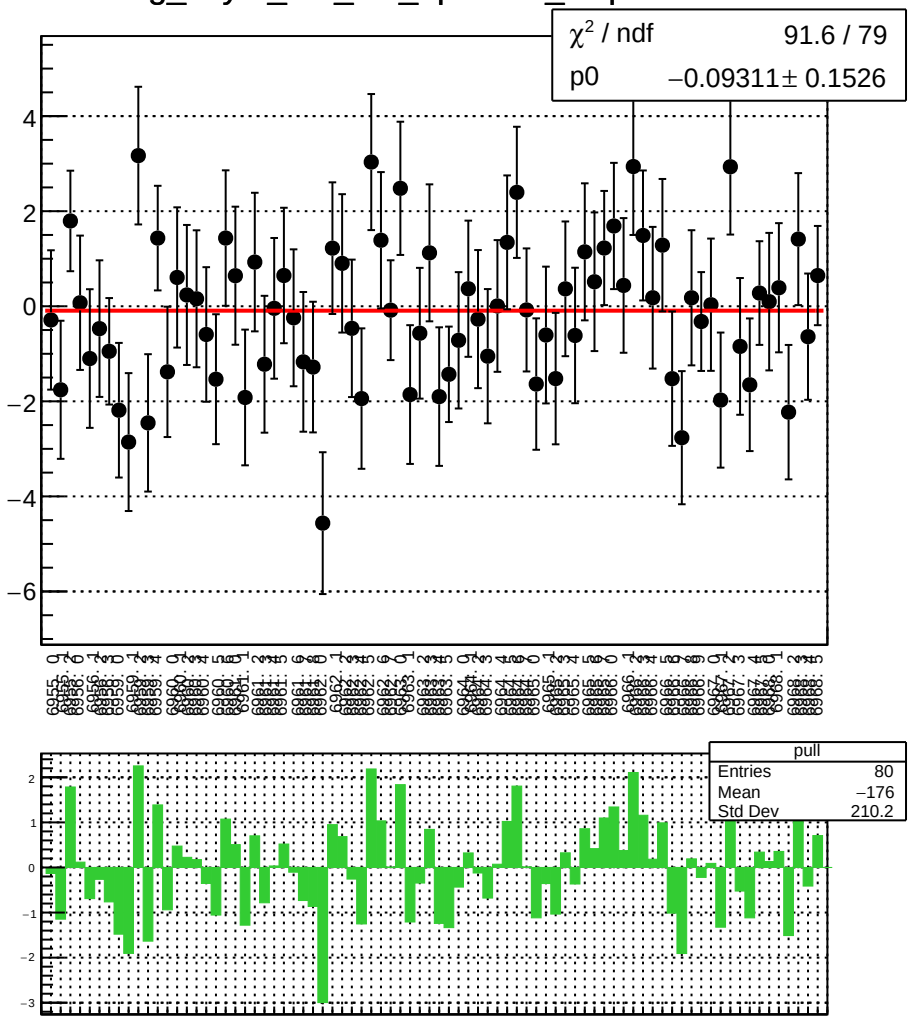

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 87.18 / 79
p0 −0.009651 ± 0.003589
0.1
0.05
0
−0.05
−0.1
pull
Entries 80
Mean 41.61
Std Dev 41.14
3
2
1
0
−1
−2

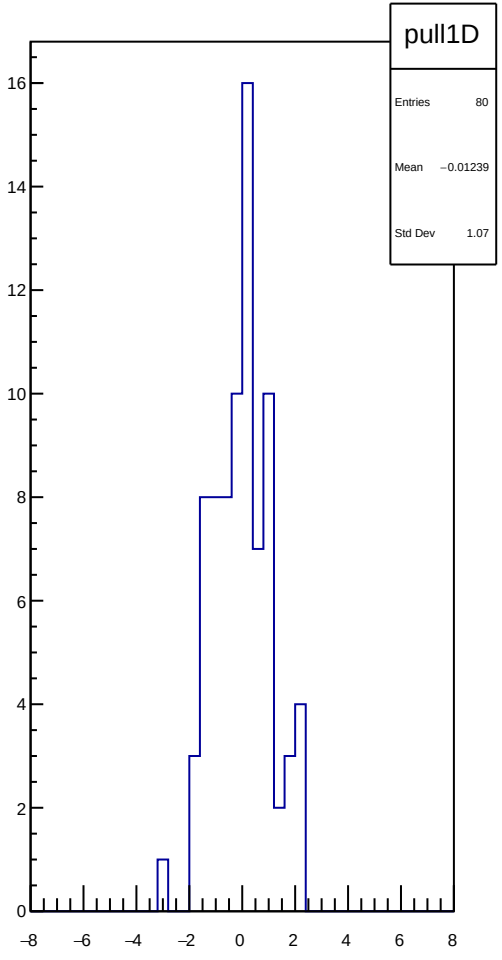

pull1D
Entries 80
Mean −0.0233
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

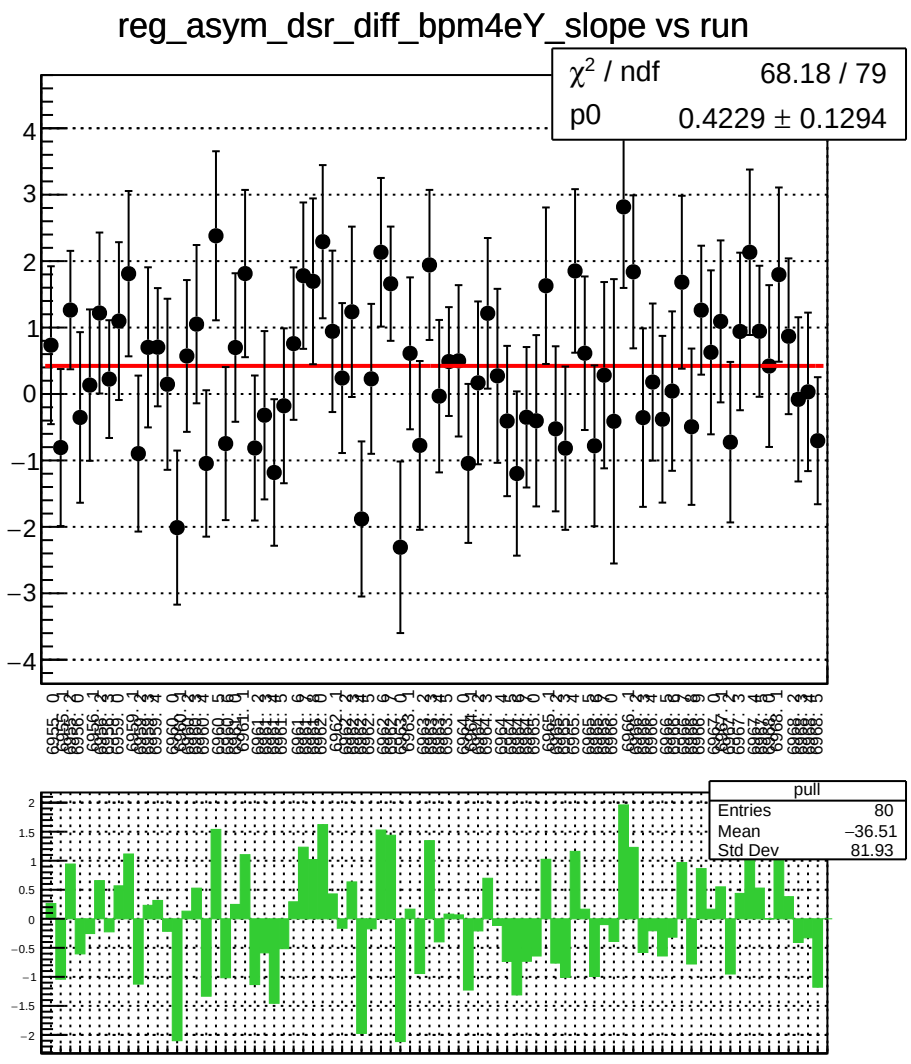

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 90.92 / 79
p0 0.07659 ± 0.1648
pull
Entries 80
Mean −191.5
Std Dev 225.7
pull1D
Entries 80
Mean 0.01179
Std Dev 1.066

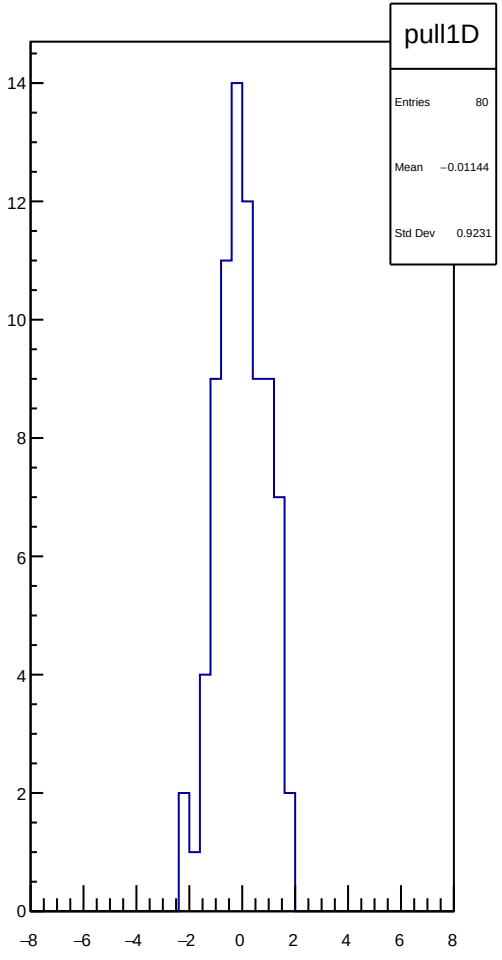

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 67.97 / 79
p0 −0.3703 ± 0.1138
pull
Entries 80
Mean −56.7
Std Dev 108.3

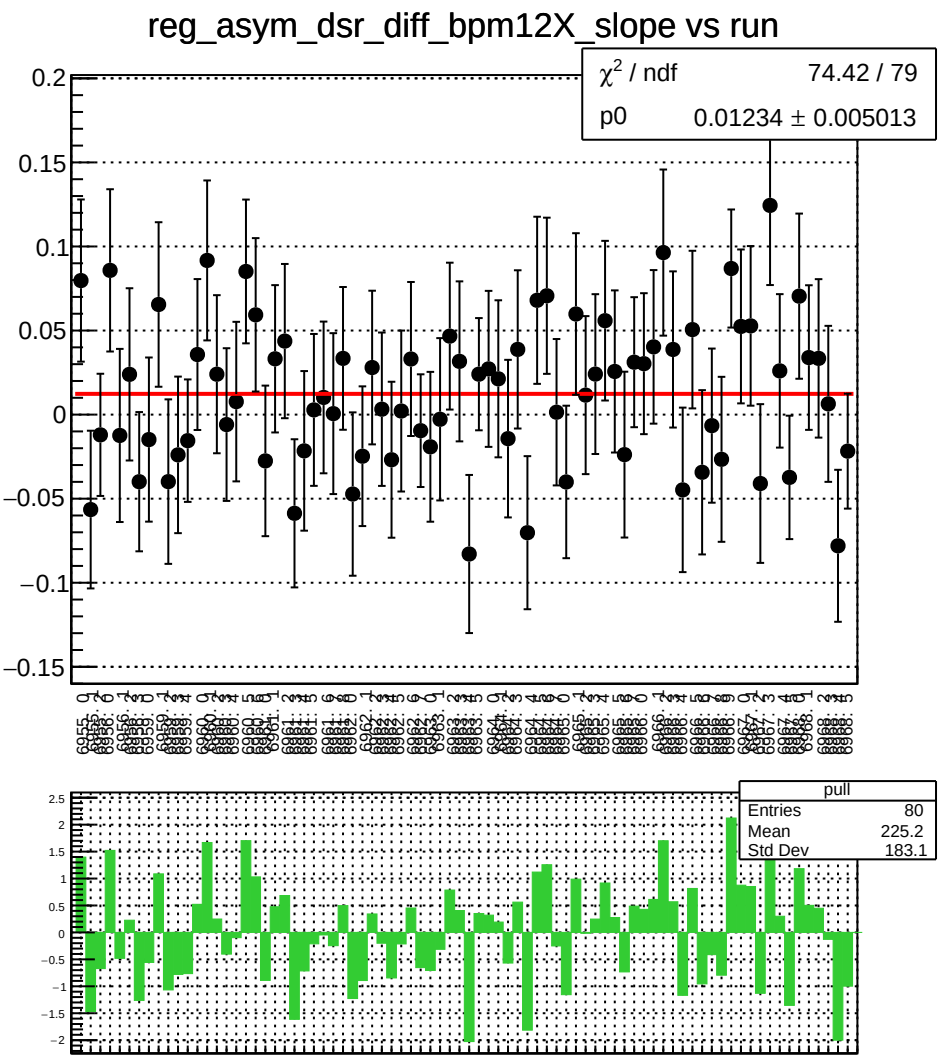

pull1D
Entries 80
Mean 0.01018
Std Dev 0.9217

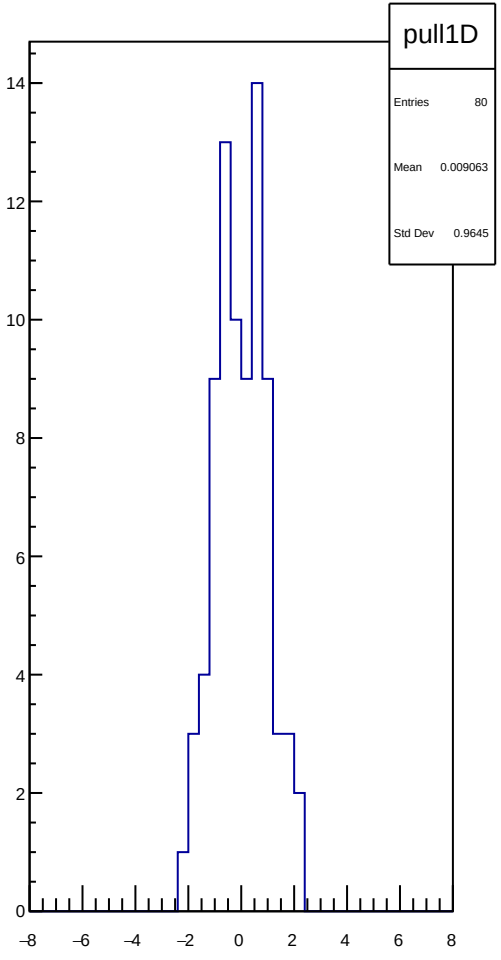

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 91.6 / 79
p0 −0.09311 ± 0.1526
pull
Entries 80
Mean −176
Std Dev 210.2

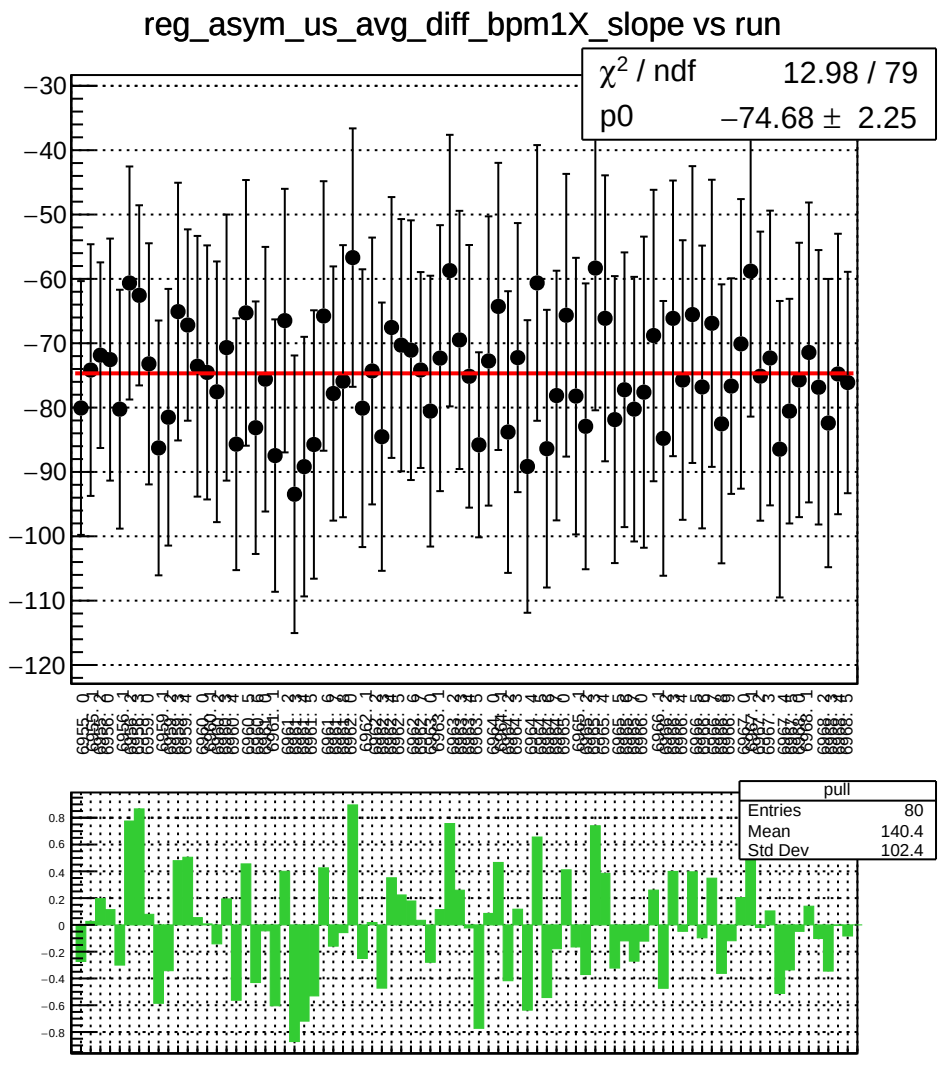

pull1D
Entries 80
Mean −0.01239
Std Dev 1.07

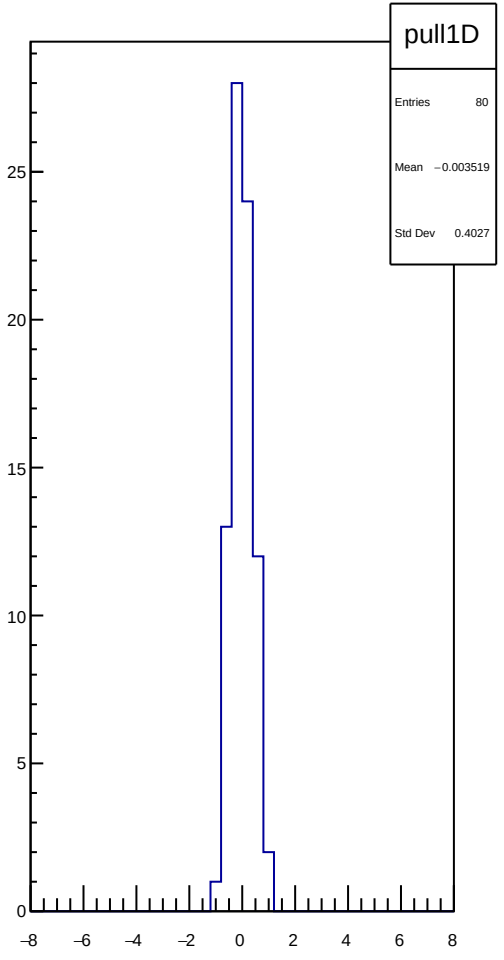

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 68.18 / 79
p0 0.4229 ± 0.1294
pull
Entries 80
Mean −36.51
Std Dev 81.93

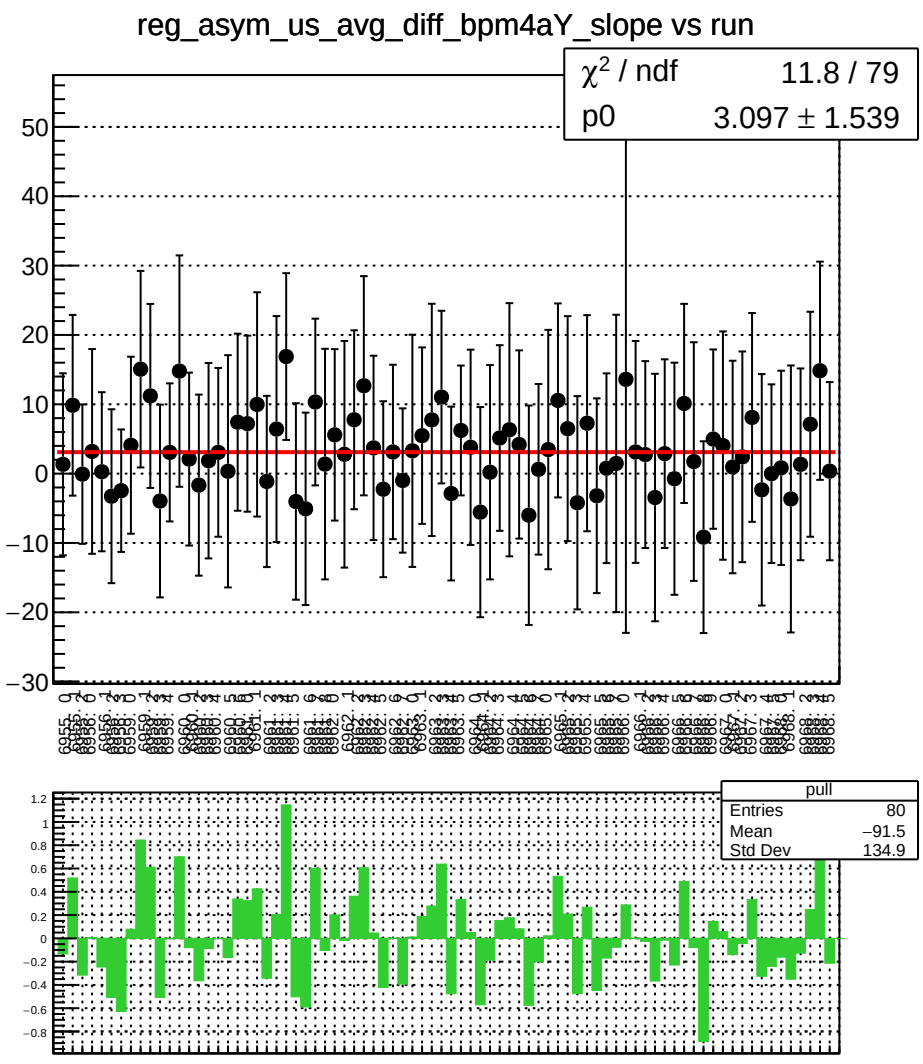

pull1D
Entries 80
Mean −0.01144
Std Dev 0.9231

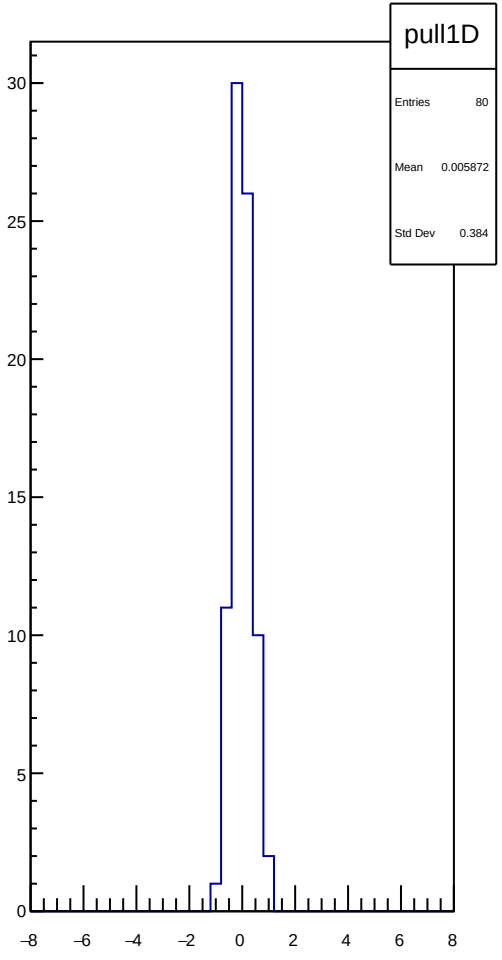

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 74.42 / 79
p0 0.01234 ± 0.005013
pull
Entries 80
Mean 225.2
Std Dev 183.1

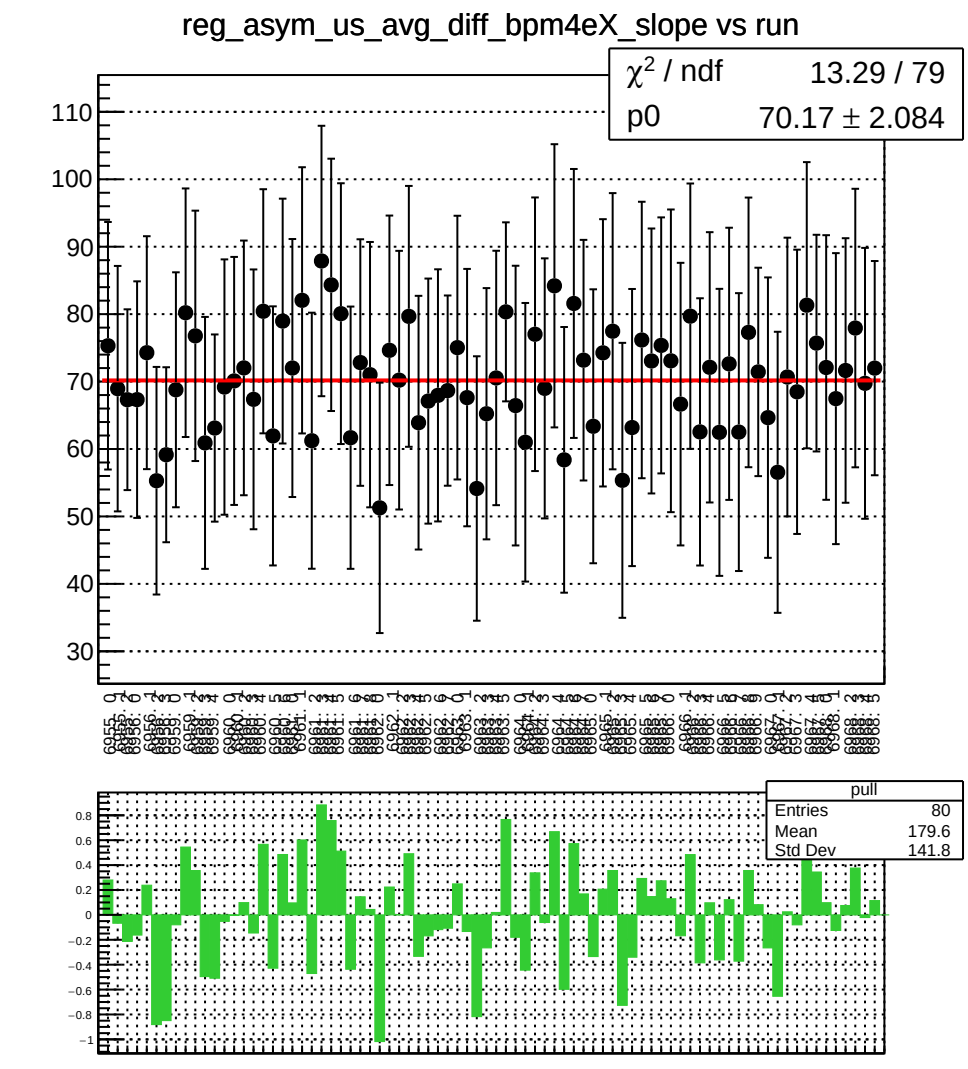

pull1D
Entries 80
Mean 0.009063
Std Dev 0.9645

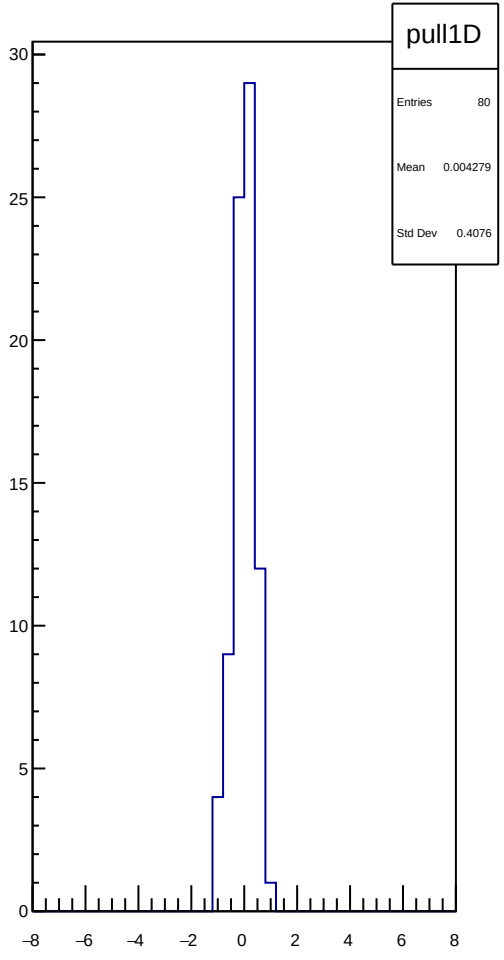

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 12.98 / 79
p0 −74.68 ± 2.25
pull
Entries 80
Mean 140.4
Std Dev 102.4

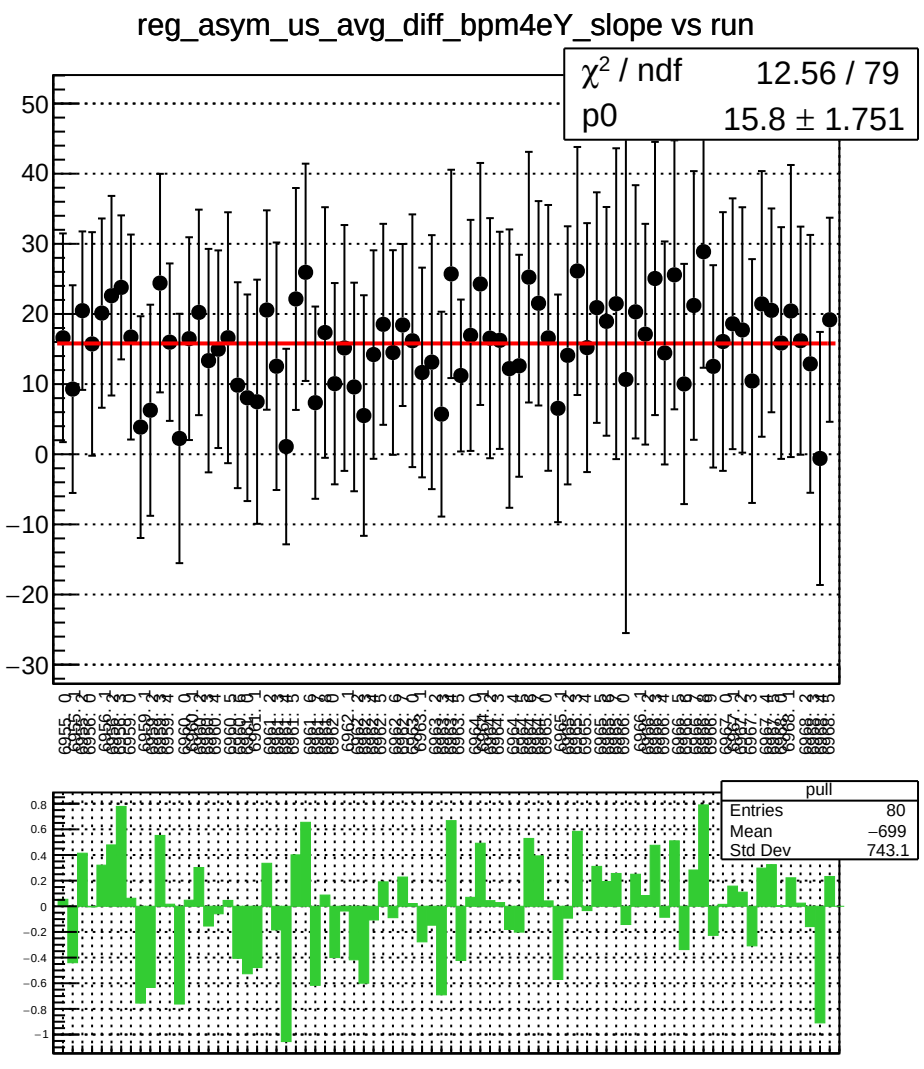

pull1D
Entries 80
Mean −0.003519
Std Dev 0.4027

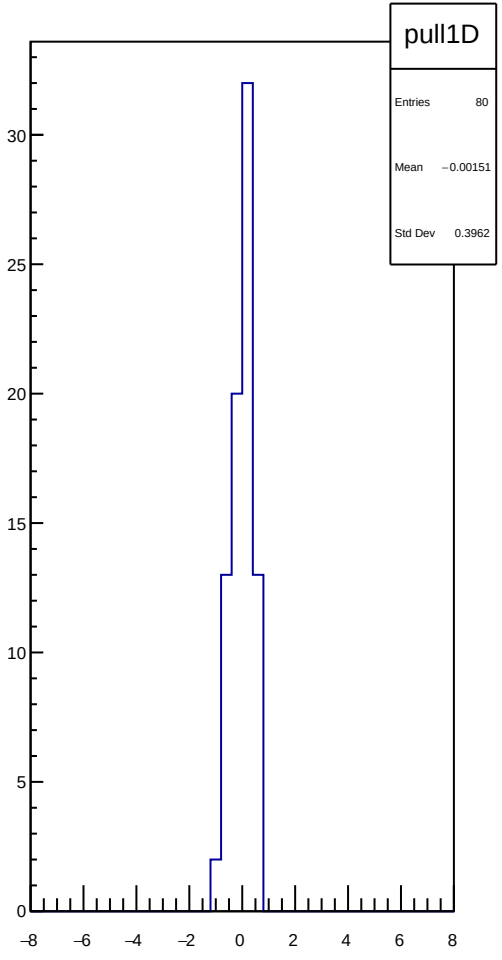

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.8 / 79
p0 3.097 ± 1.539
pull
Entries 80
Mean −91.5
Std Dev 134.9

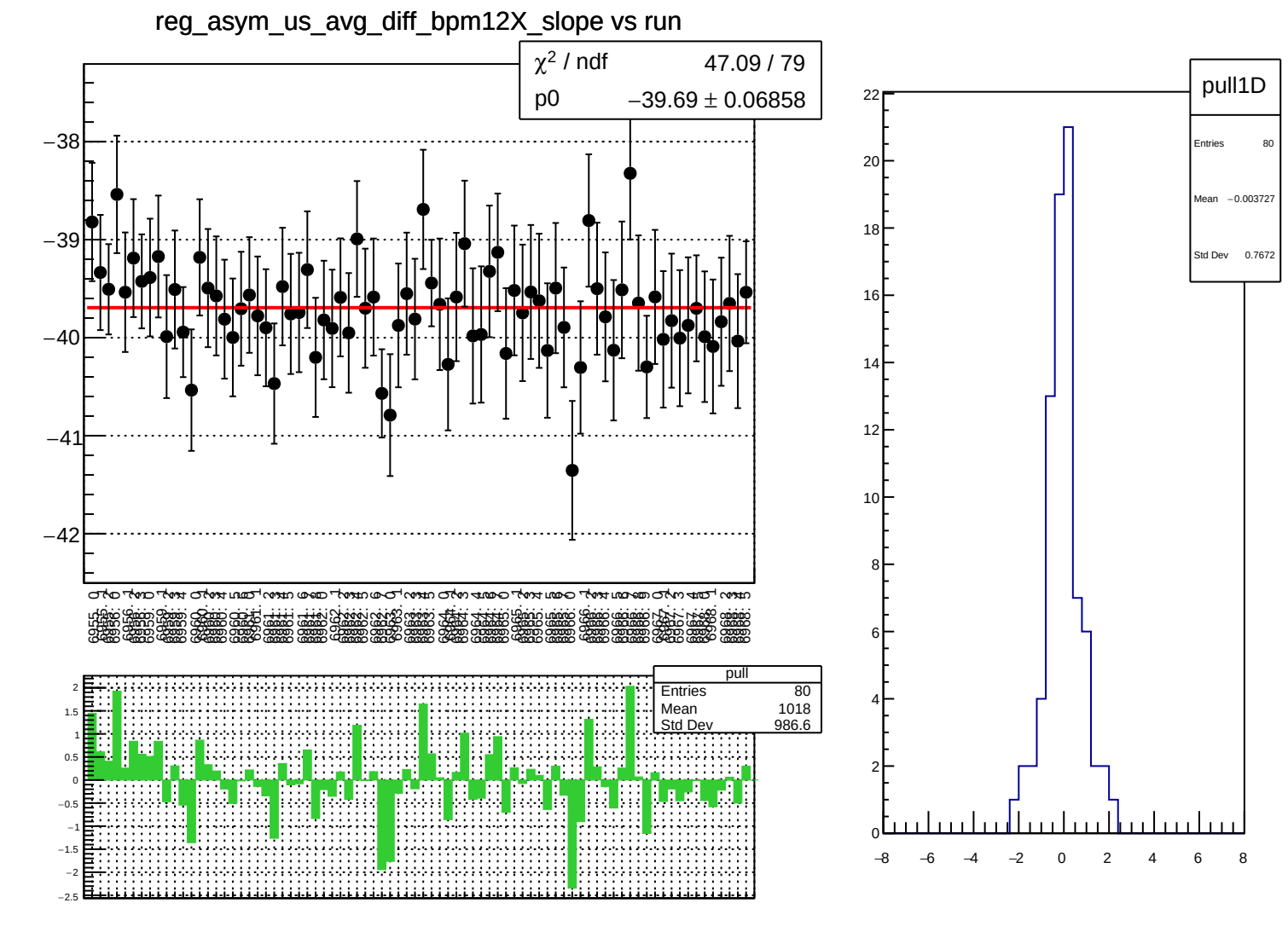

pull1D
Entries 80
Mean 0.005872
Std Dev 0.384

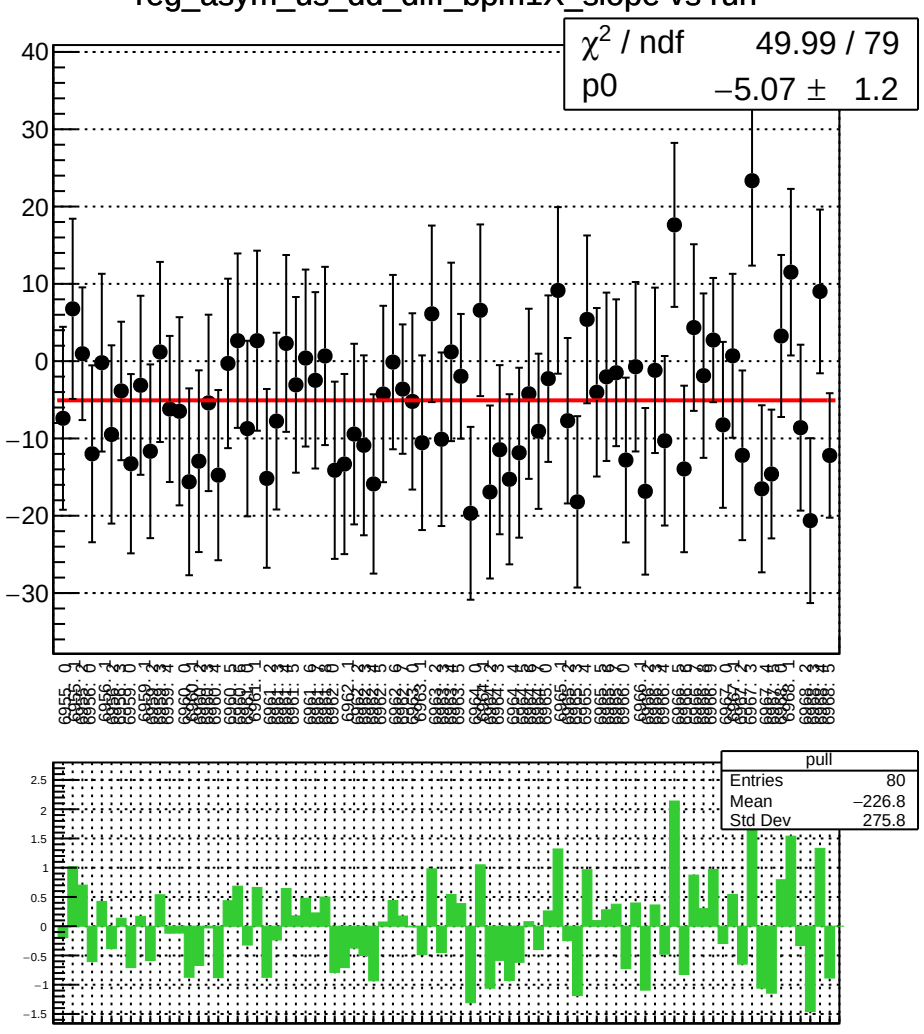

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.29 / 79
p0 70.17 ± 2.084
pull
Entries 80
Mean 179.6
Std Dev 141.8

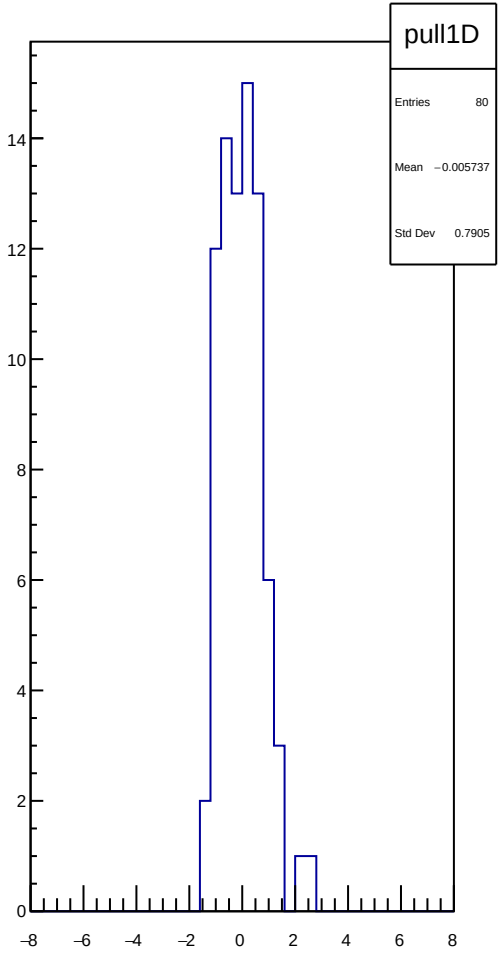

pull1D
Entries 80
Mean 0.004279
Std Dev 0.4076

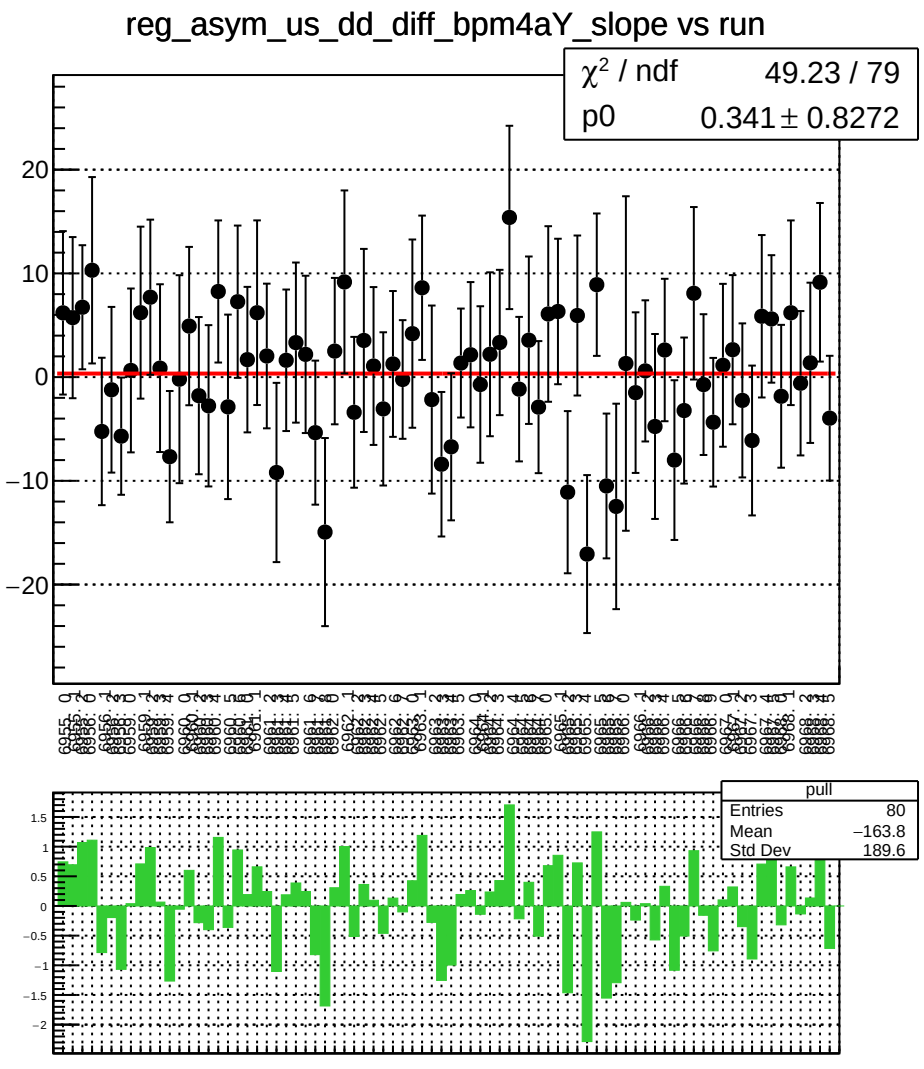

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.56 / 79
p0 15.8 ± 1.751
pull
Entries 80
Mean −699
Std Dev 743.1

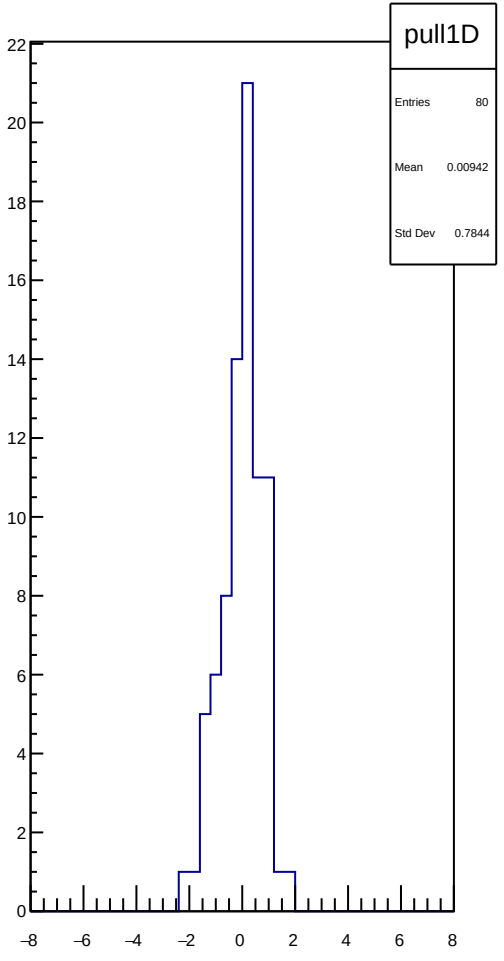

pull1D
Entries 80
Mean −0.00151
Std Dev 0.3962

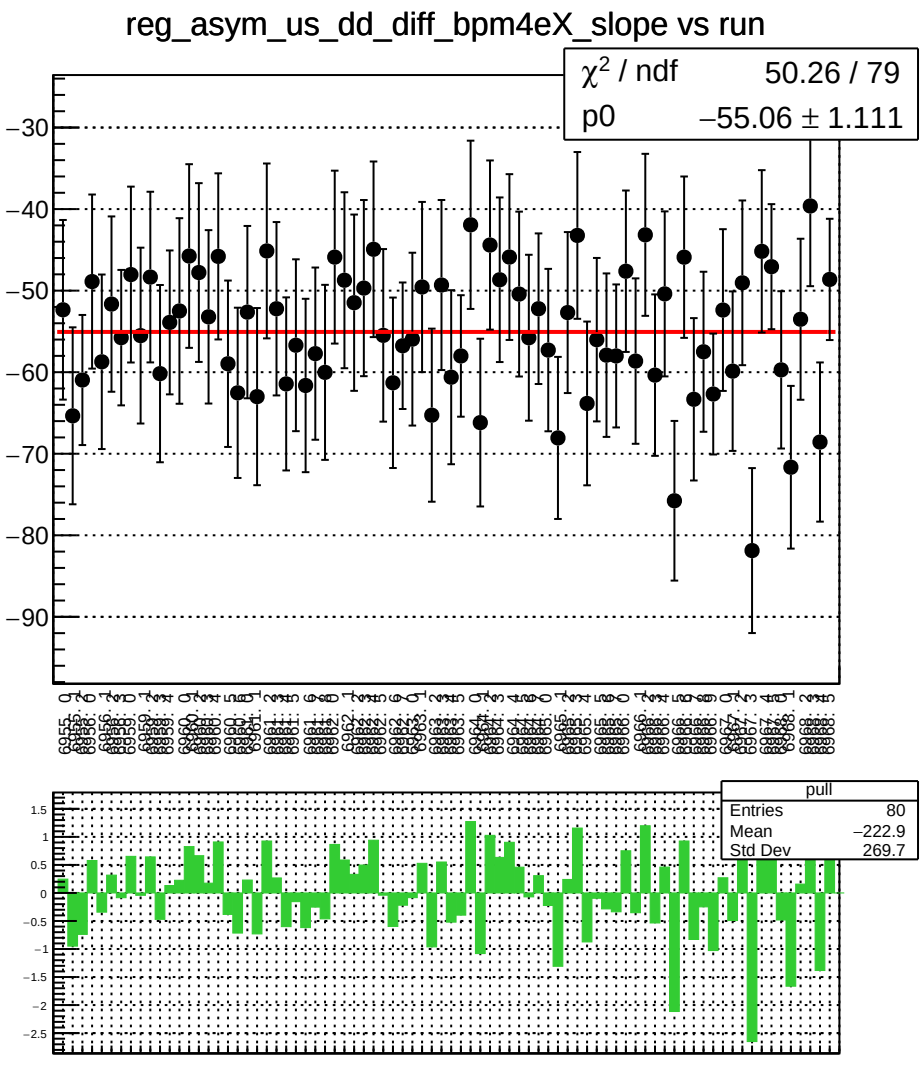

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 47.09 / 79
p0 −39.69 ± 0.06858
pull
Entries 80
Mean 1018
Std Dev 986.6
pull1D
Entries 80
Mean −0.003727
Std Dev 0.7672

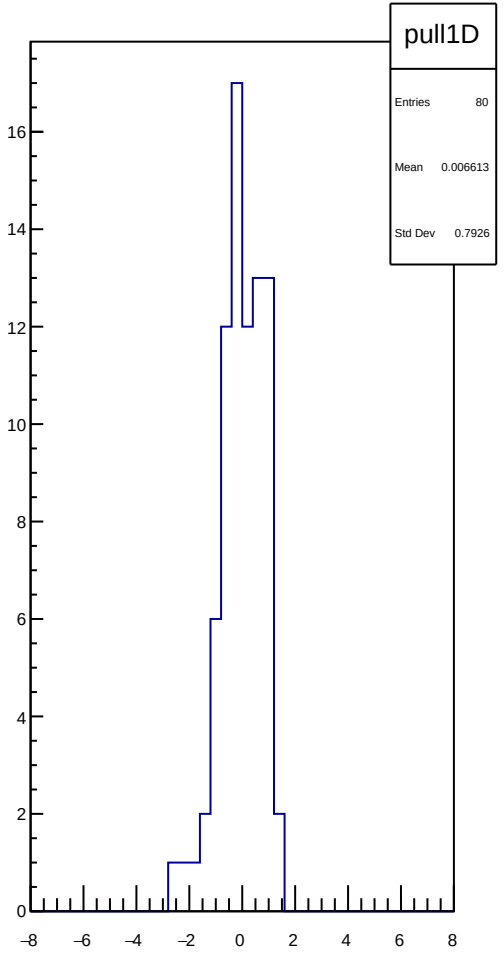

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 49.99 / 79
p0 −5.07 ± 1.2
pull
Entries 80
Mean −226.8
Std Dev 275.8

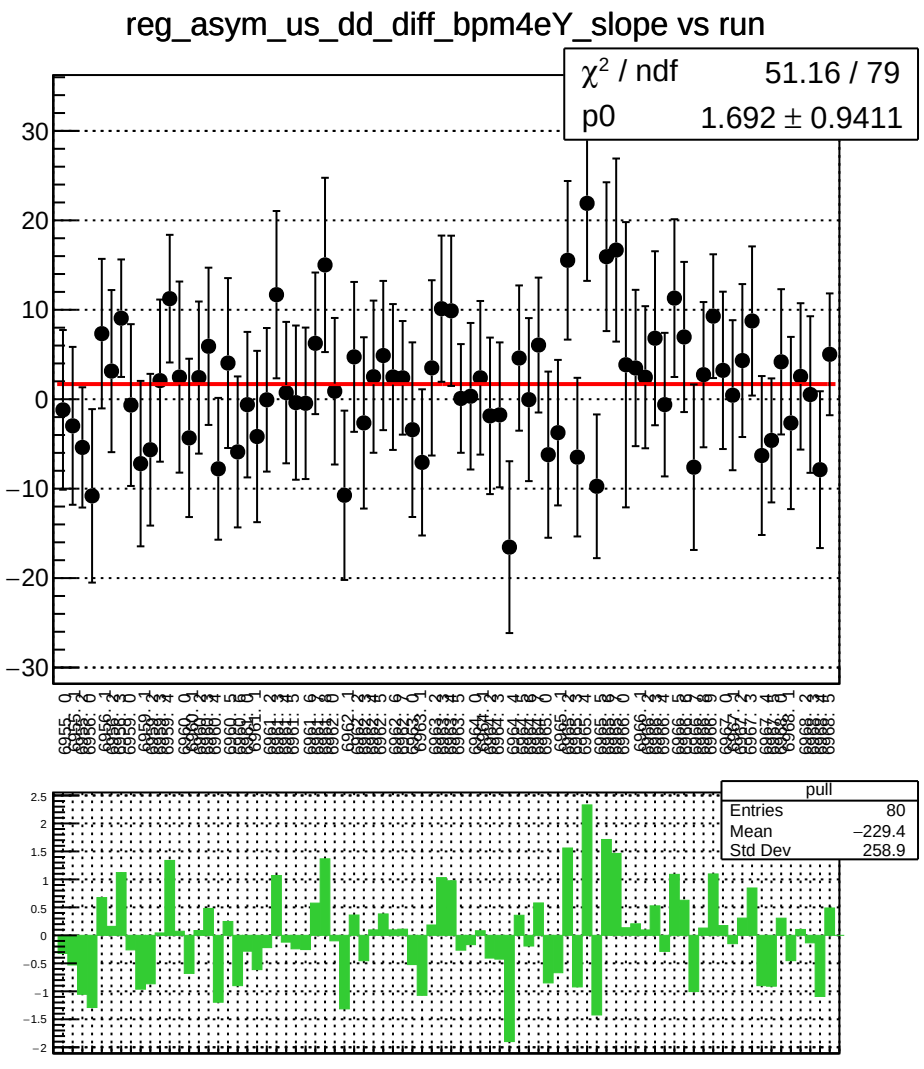

pull1D
Entries 80
Mean −0.005737
Std Dev 0.7905

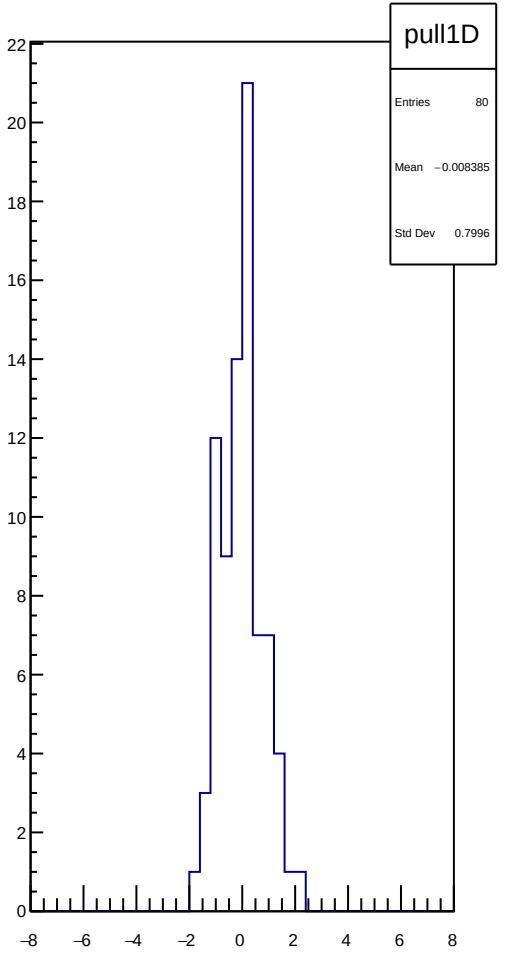

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.23 / 79
p0 0.341 ± 0.8272
pull
Entries 80
Mean −163.8
Std Dev 189.6

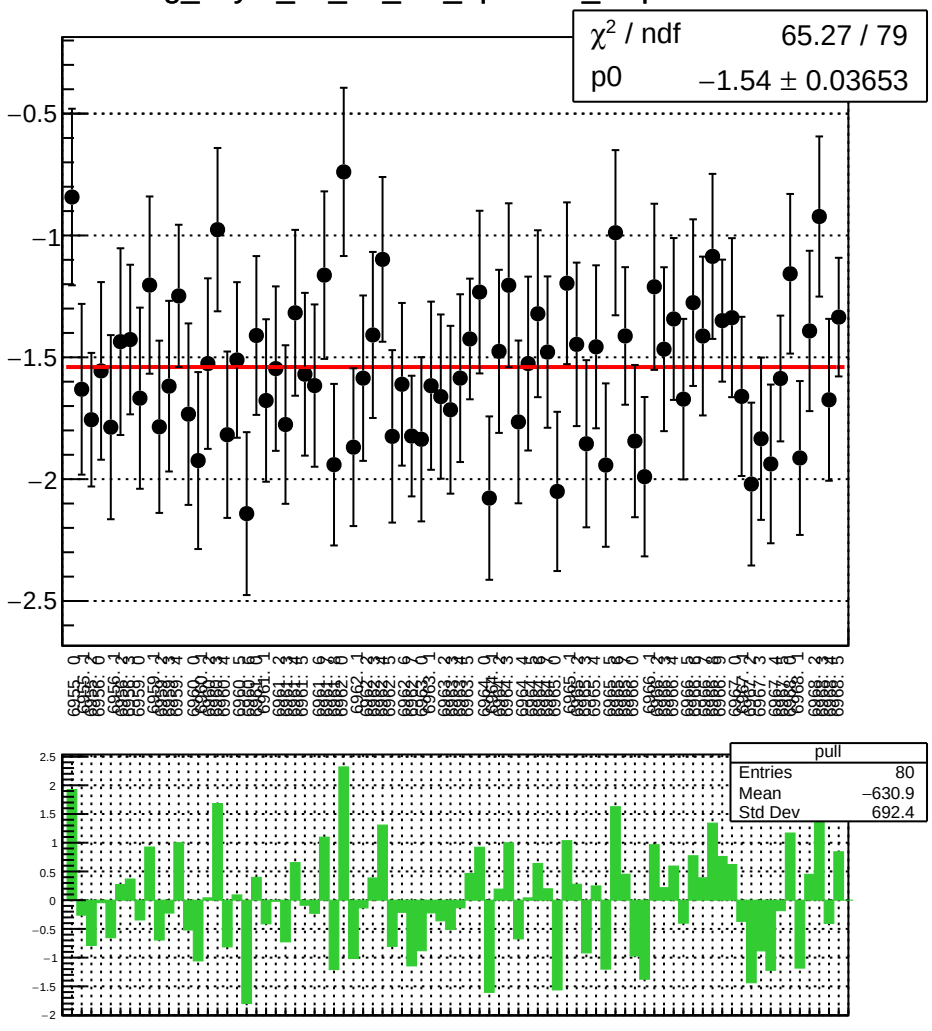

pull1D
Entries 80
Mean 0.00942
Std Dev 0.7844

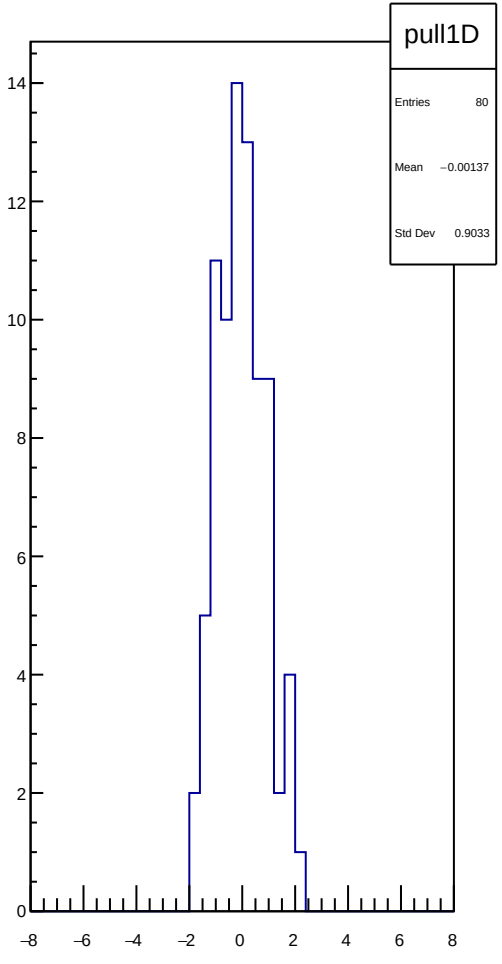

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.26 / 79
p0 −55.06 ± 1.111
pull
Entries 80
Mean −222.9
Std Dev 269.7

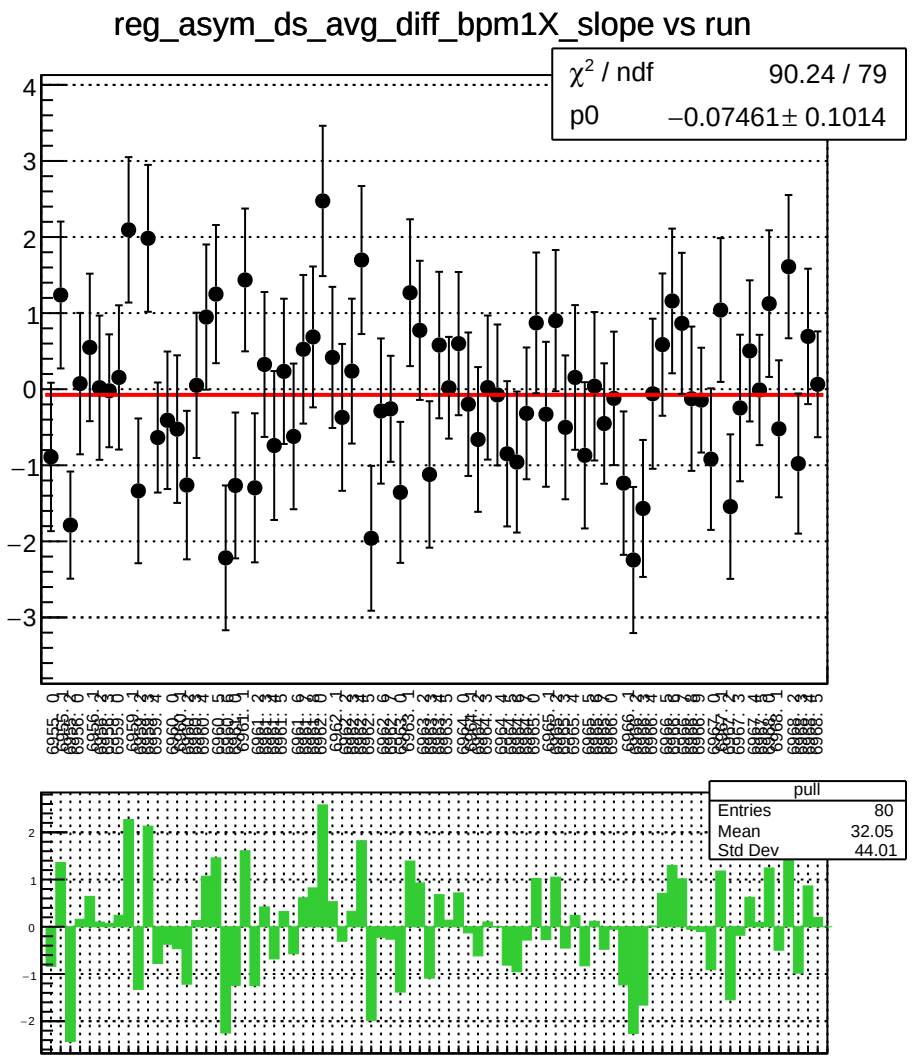

pull1D
Entries 80
Mean 0.006613
Std Dev 0.7926

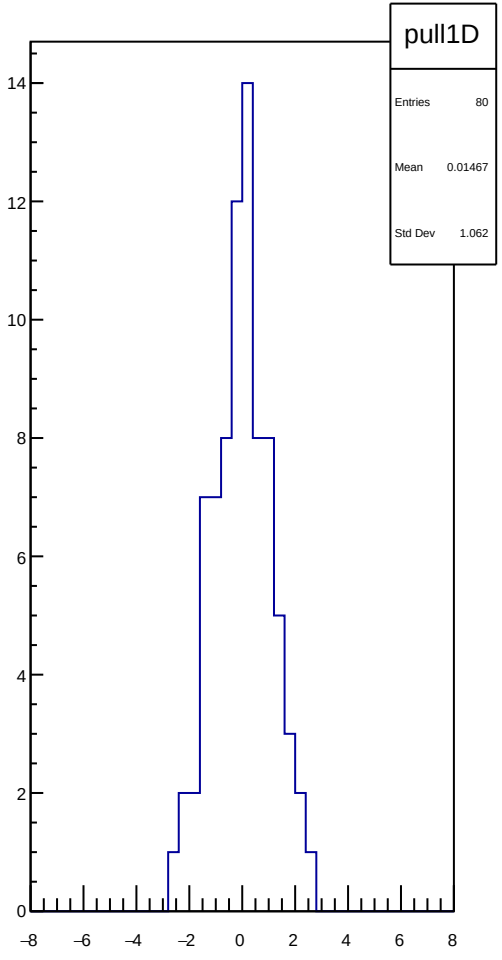

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.16 / 79
p0 1.692 ± 0.9411
pull
Entries 80
Mean −229.4
Std Dev 258.9

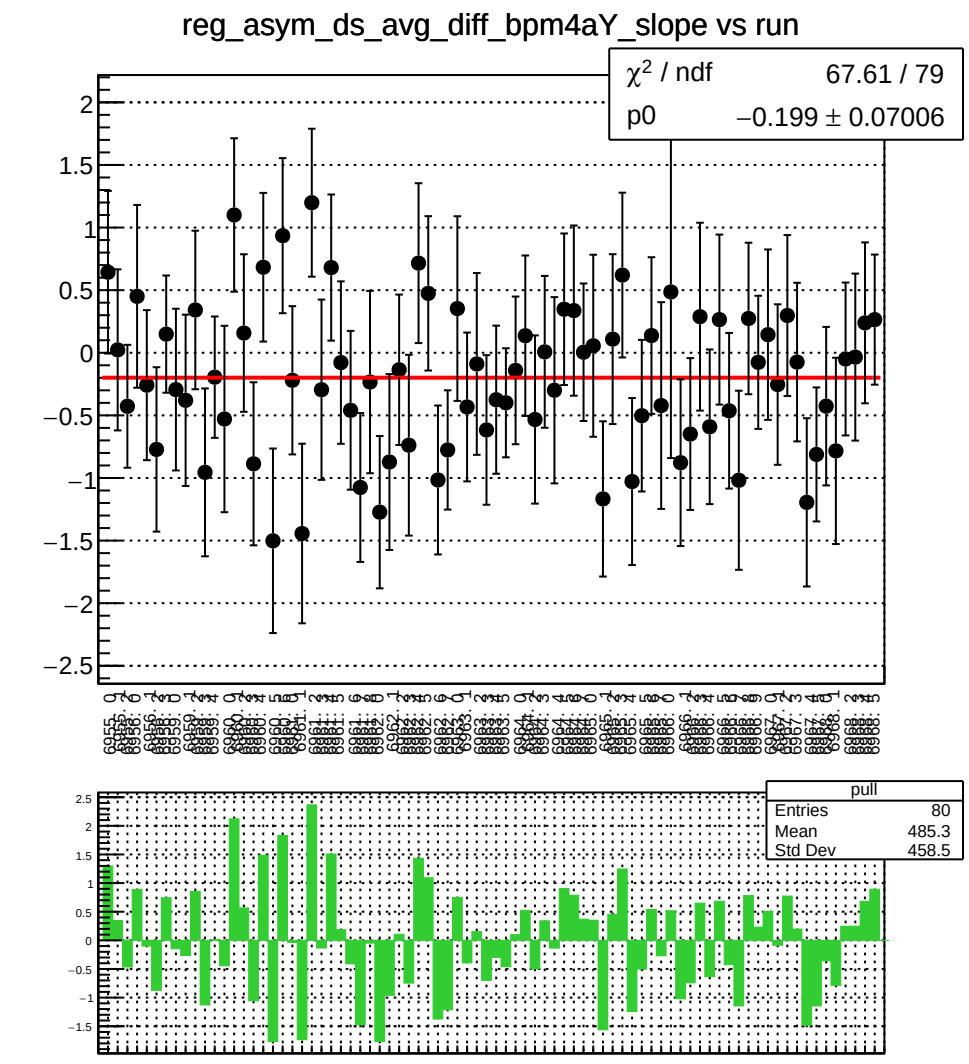

pull1D
Entries 80
Mean −0.008385
Std Dev 0.7996

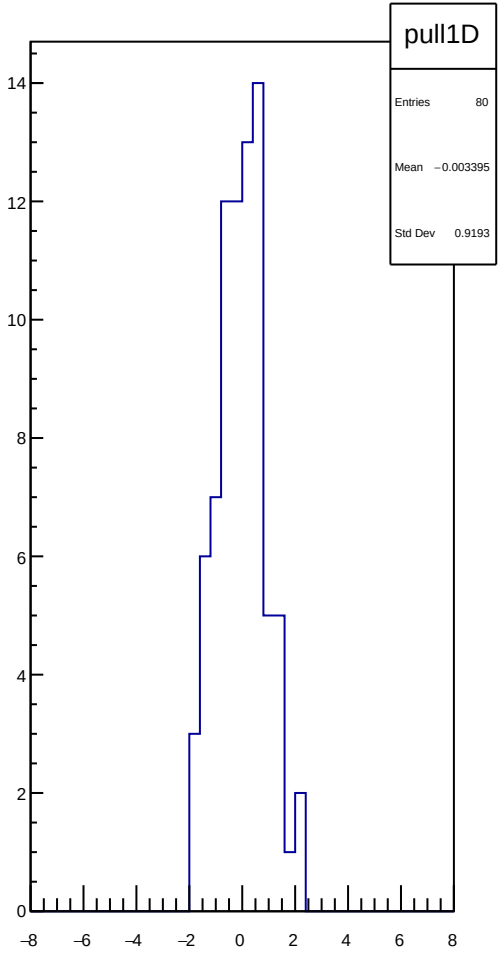

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 65.27 / 79
p0 −1.54 ± 0.03653
pull
Entries 80
Mean −630.9
Std Dev 692.4

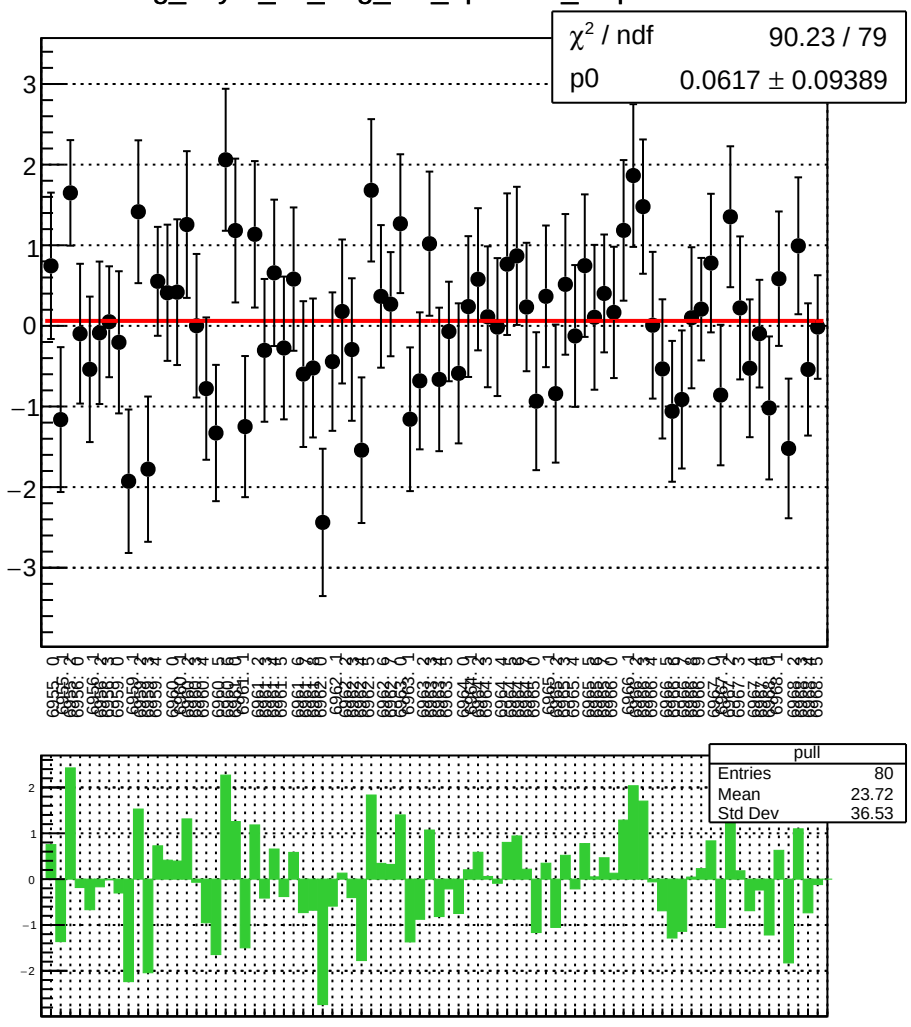

pull1D
Entries 80
Mean −0.00137
Std Dev 0.9033

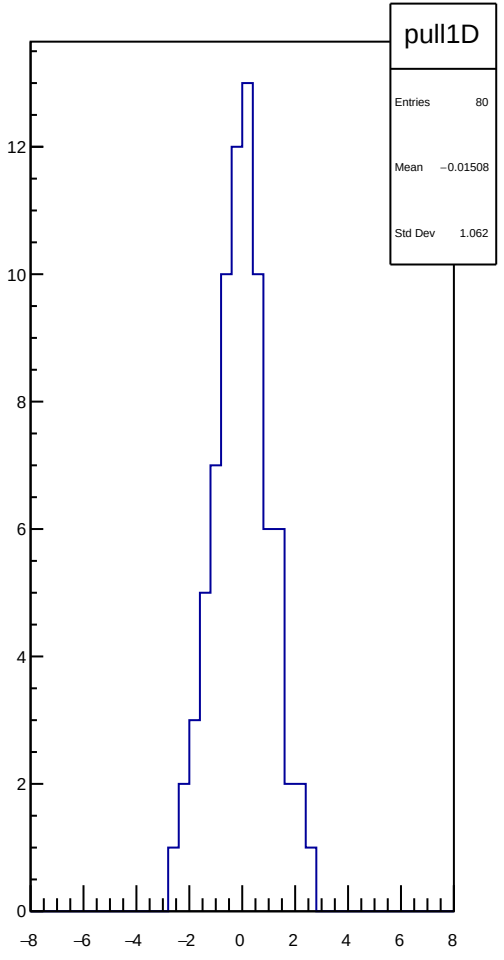

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 90.24 / 79
p0 −0.07461± 0.1014
pull
Entries 80
Mean 32.05
Std Dev 44.01

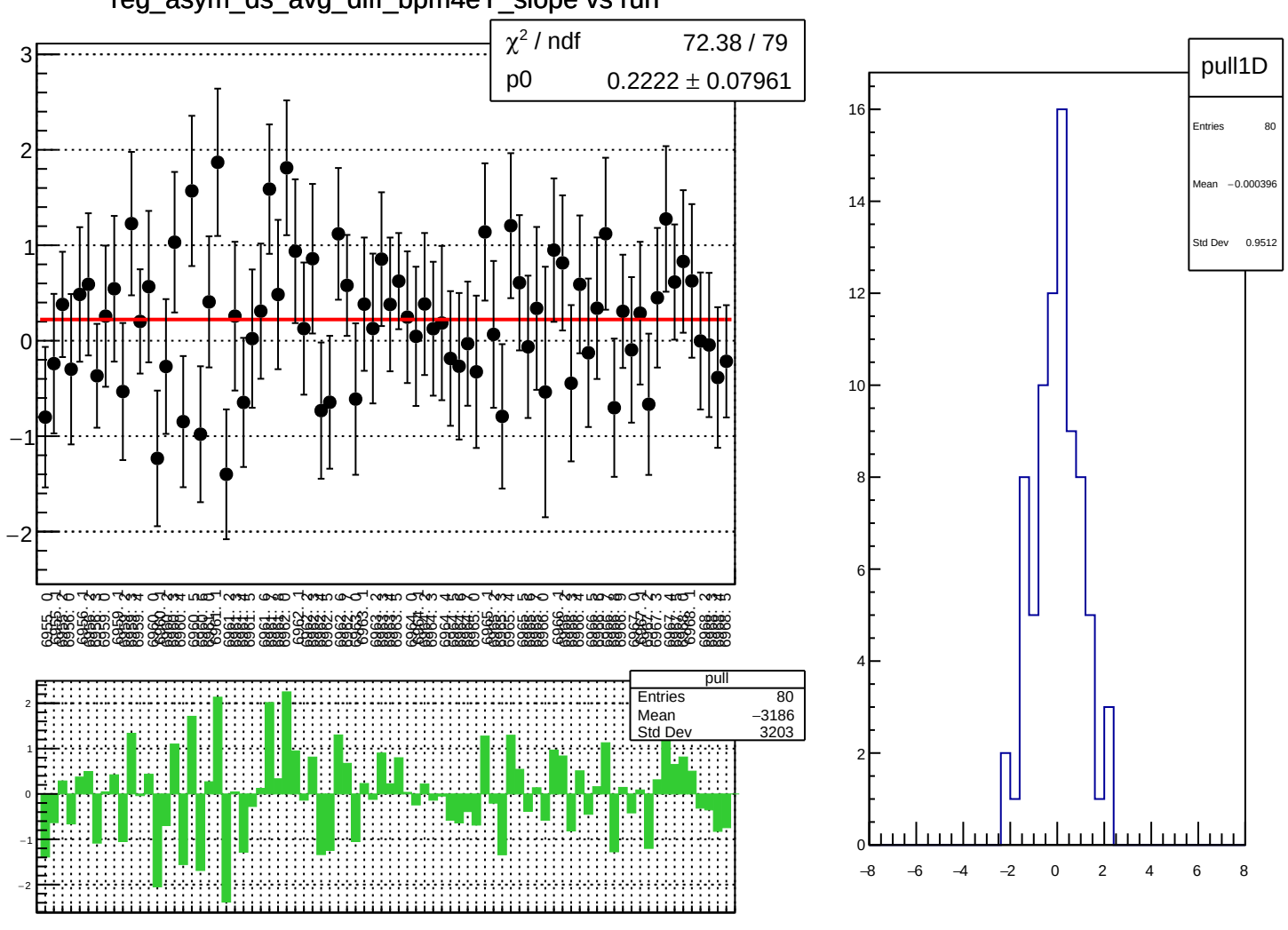

pull1D
Entries 80
Mean 0.01467
Std Dev 1.062

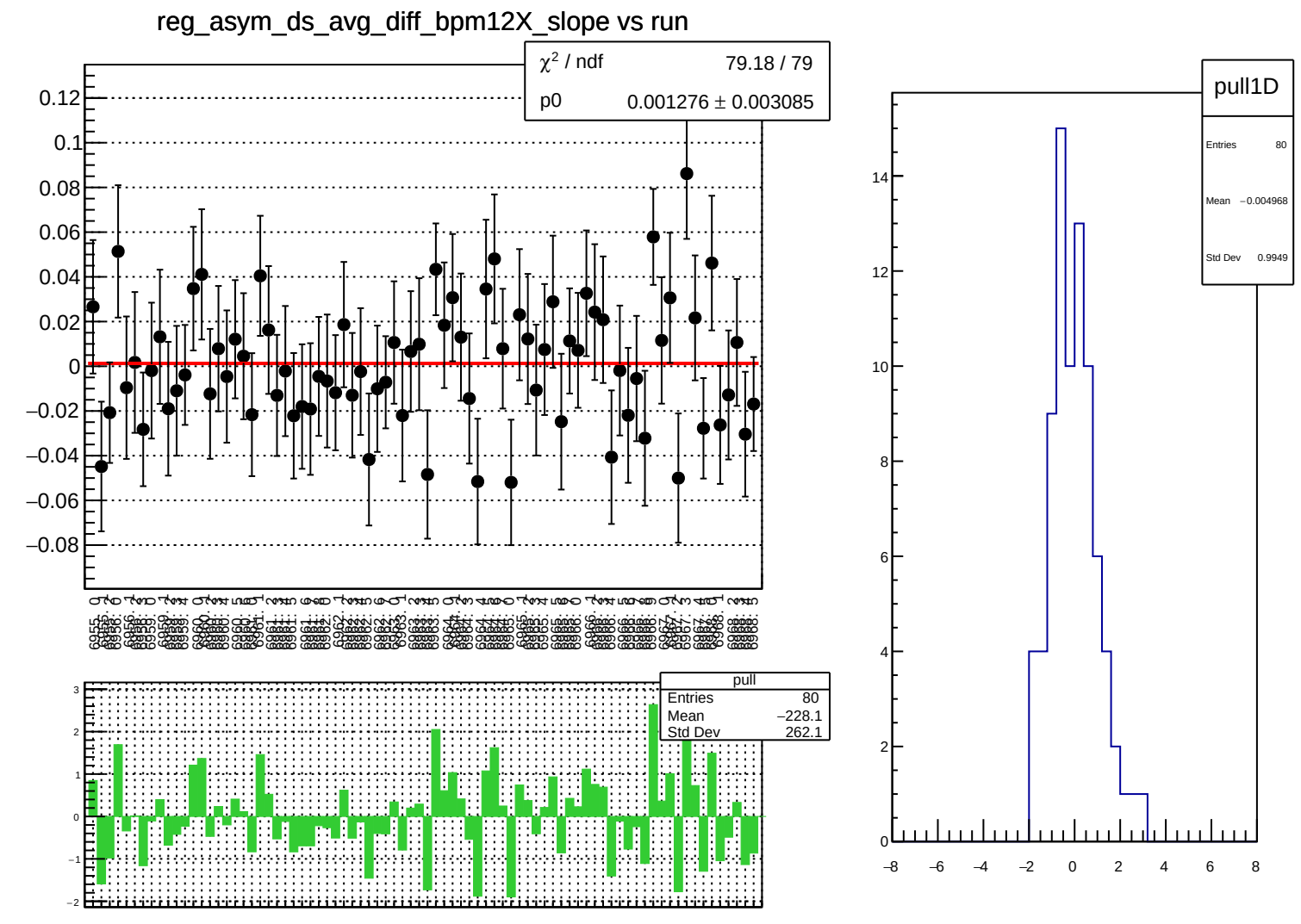

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.61 / 79
p0 −0.199 ± 0.07006
pull
Entries 80
Mean 485.3
Std Dev 458.5

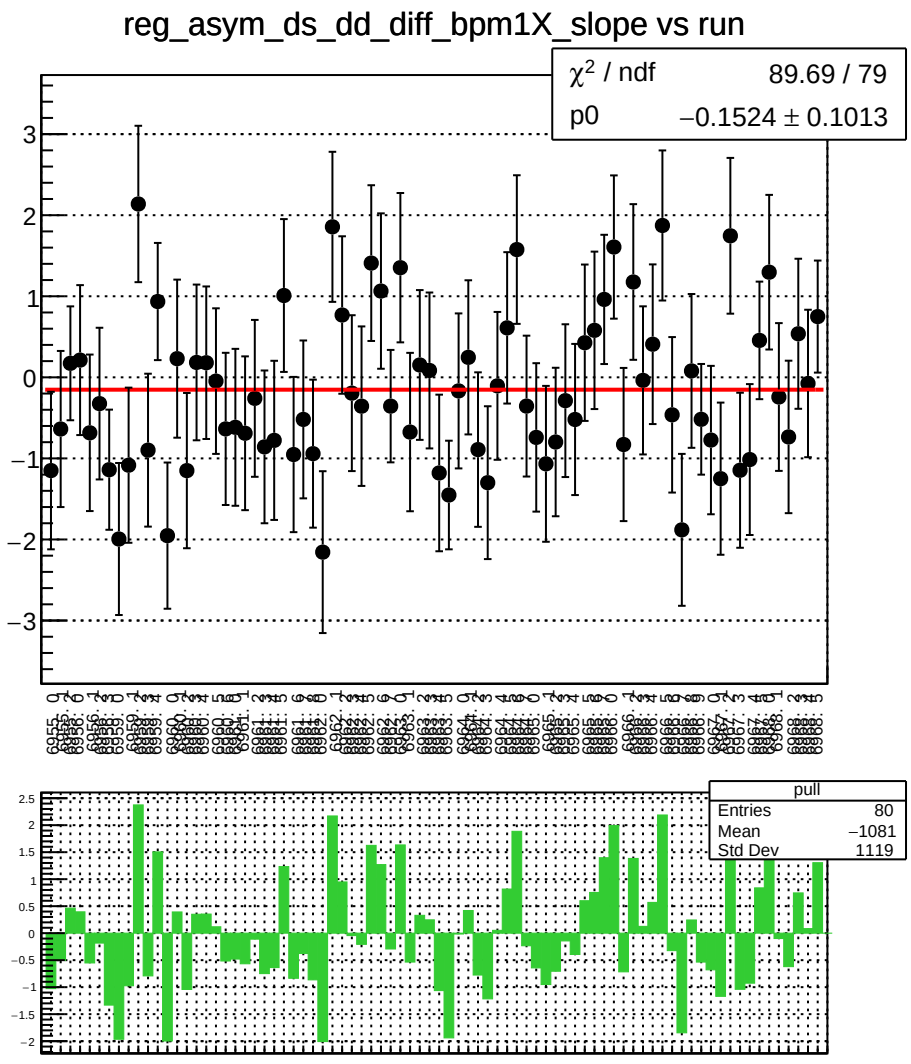

pull1D
Entries 80
Mean −0.003395
Std Dev 0.9193

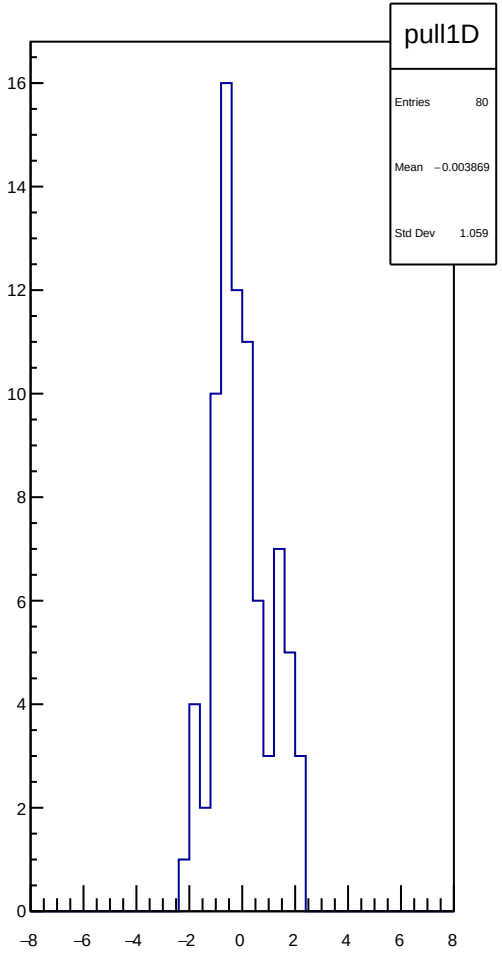

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 90.23 / 79
p0 0.0617 ± 0.09389
pull
Entries 80
Mean 23.72
Std Dev 36.53

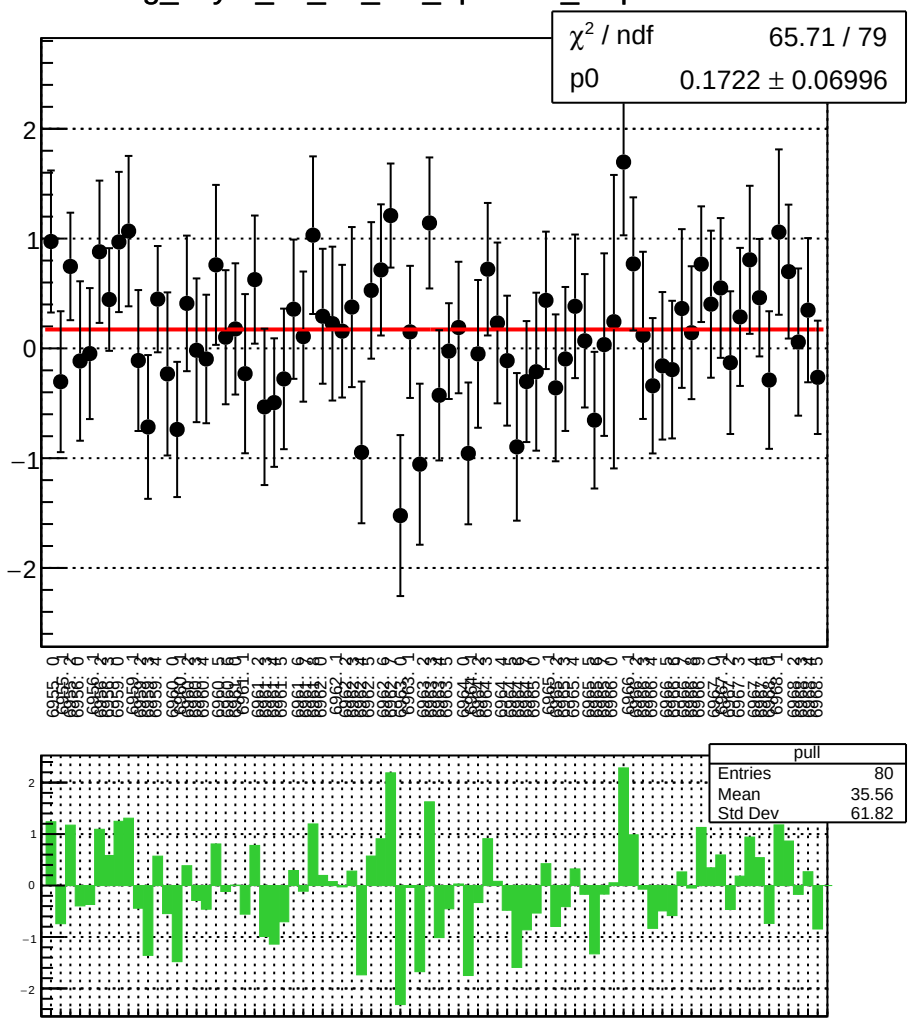

pull1D
Entries 80
Mean −0.01508
Std Dev 1.062

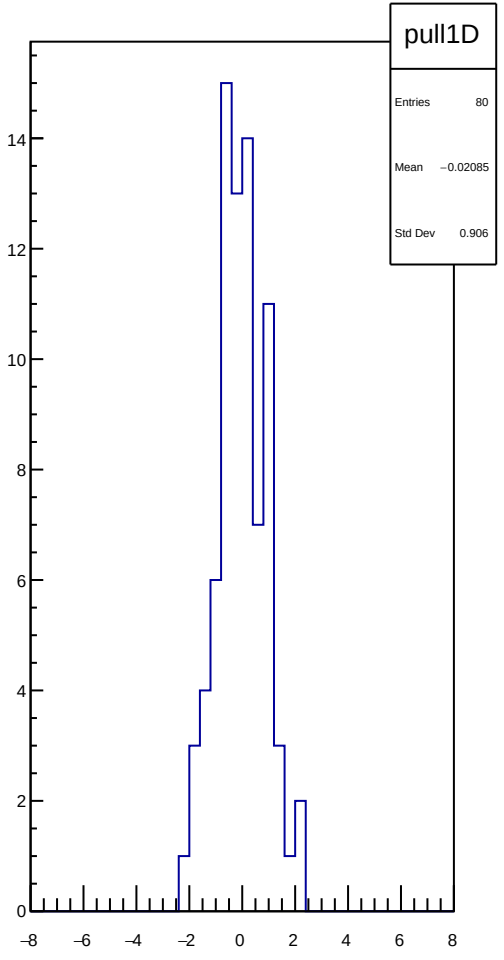

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.38 / 79
p0 0.2222 ± 0.07961
pull
Entries 80
Mean −3186
Std Dev 3203
pull1D
Entries 80
Mean −0.000396
Std Dev 0.9512

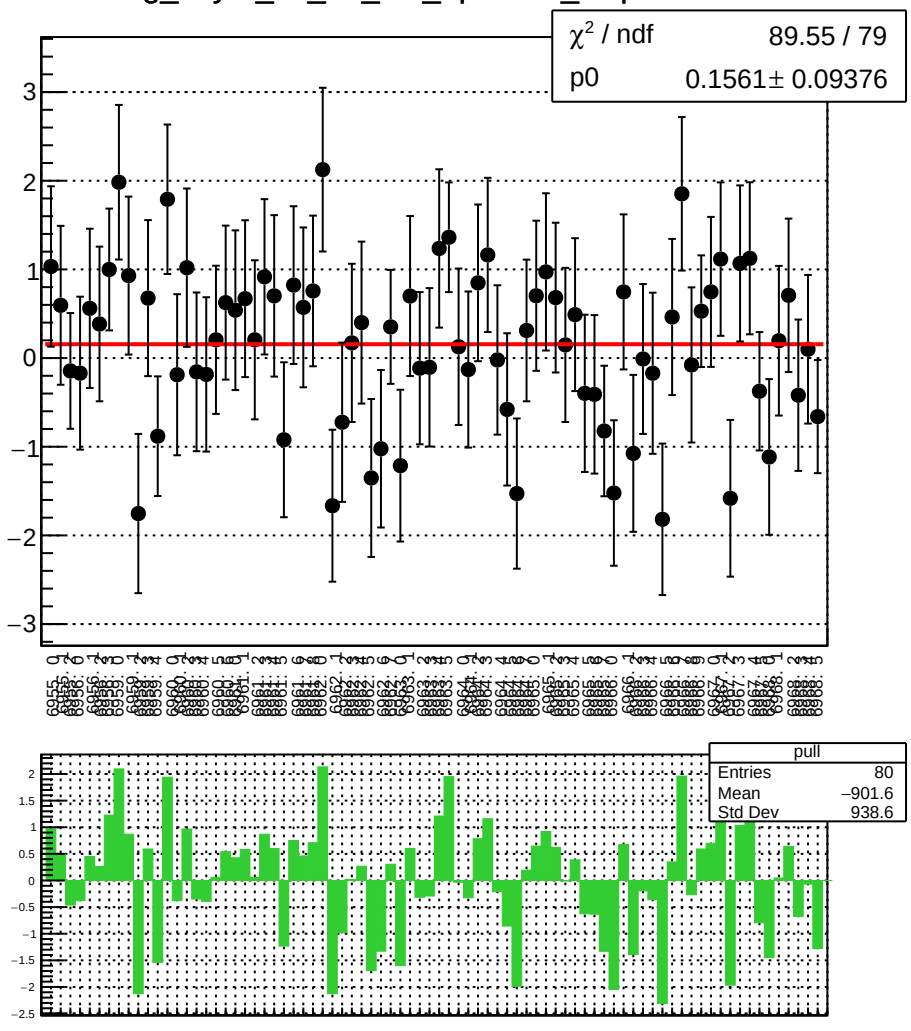

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 79.18 / 79
p0 0.001276 ± 0.003085
pull
Entries 80
Mean −228.1
Std Dev 262.1
pull1D
Entries 80
Mean −0.004968
Std Dev 0.9949

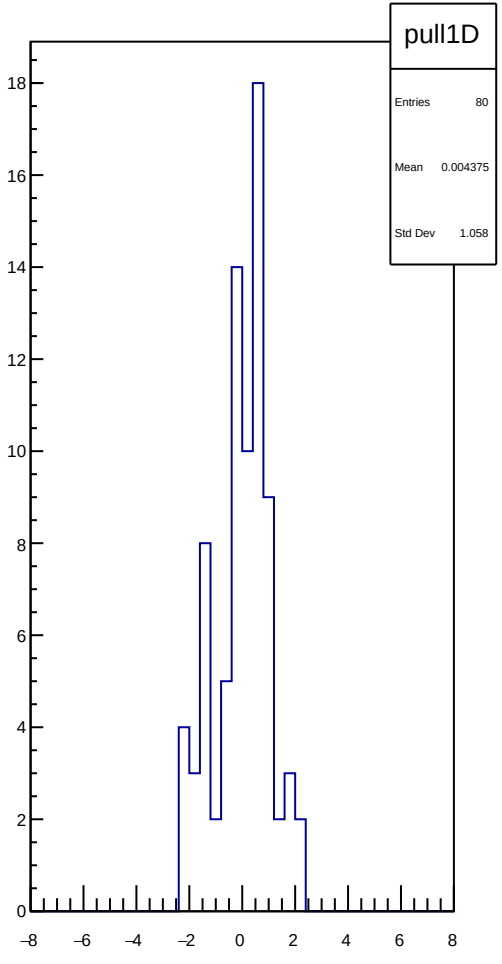

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 89.69 / 79
p0 −0.1524 ± 0.1013
pull
Entries 80
Mean −1081
Std Dev 1119

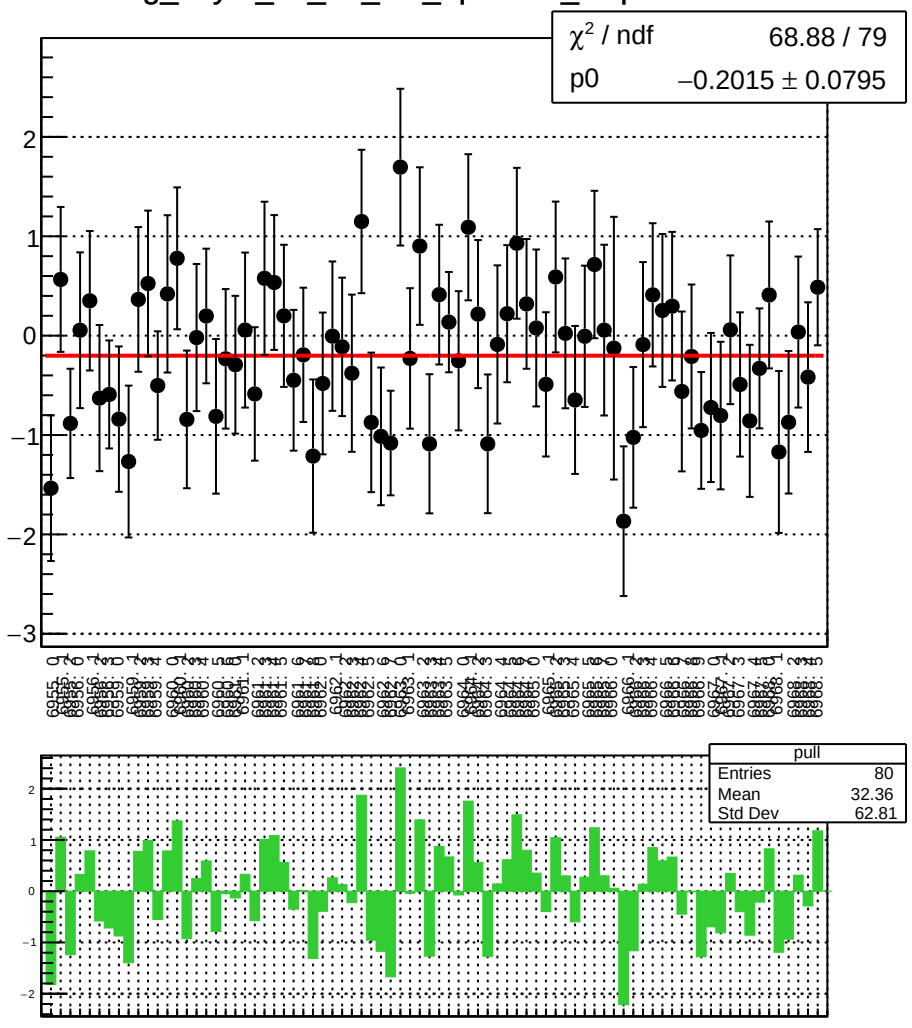

pull1D
Entries 80
Mean −0.003869
Std Dev 1.059

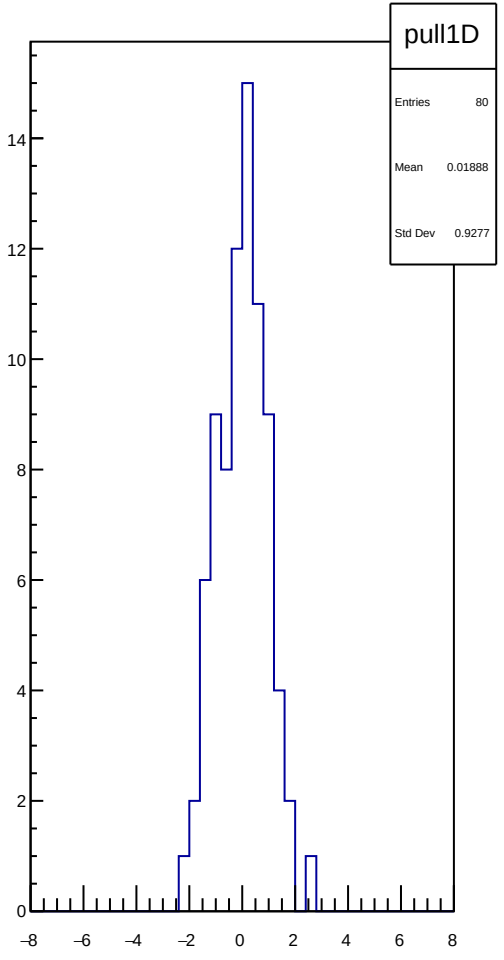

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.71 / 79
p0 0.1722 ± 0.06996
pull
Entries 80
Mean 35.56
Std Dev 61.82

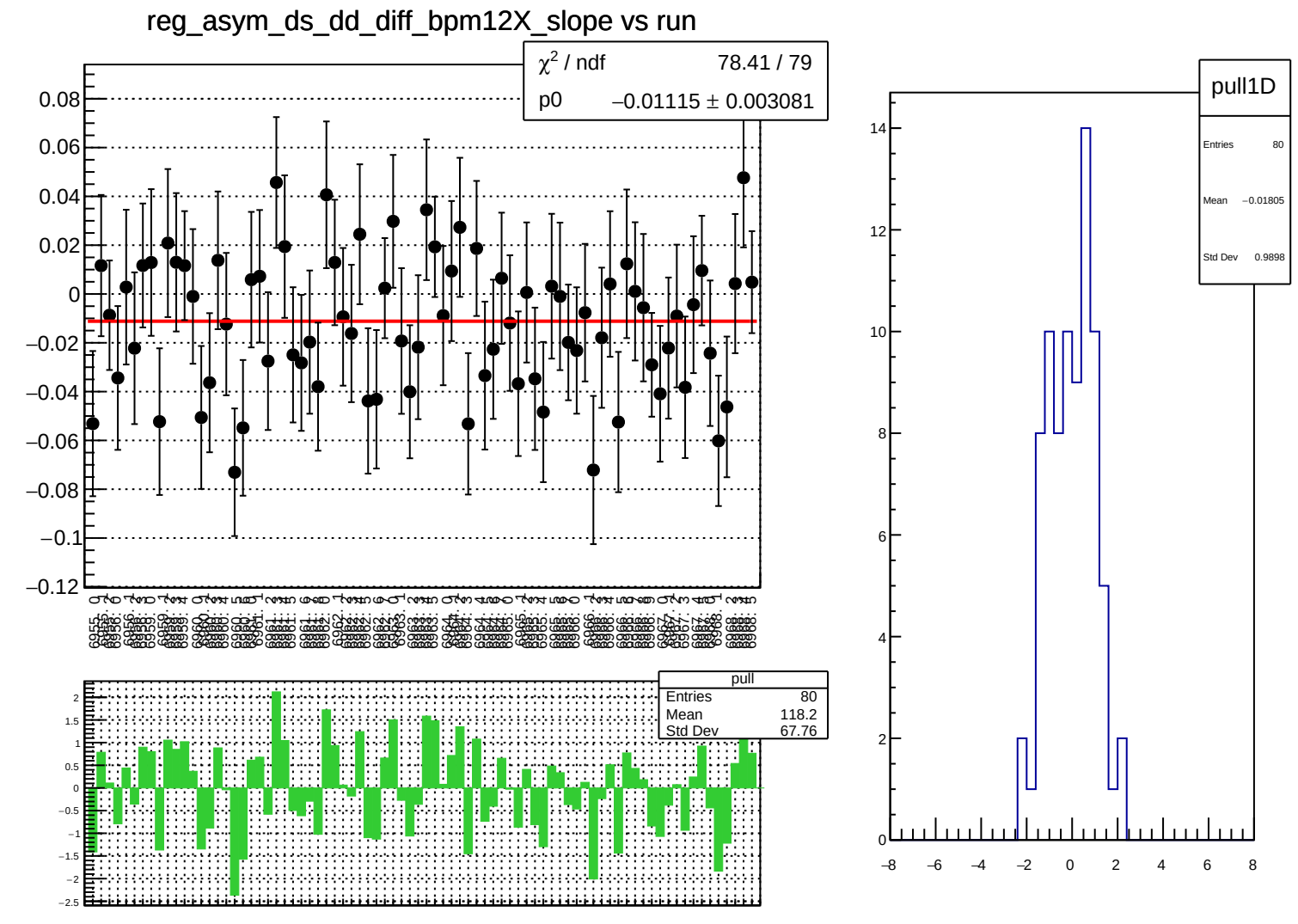

pull1D
Entries 80
Mean −0.02085
Std Dev 0.906

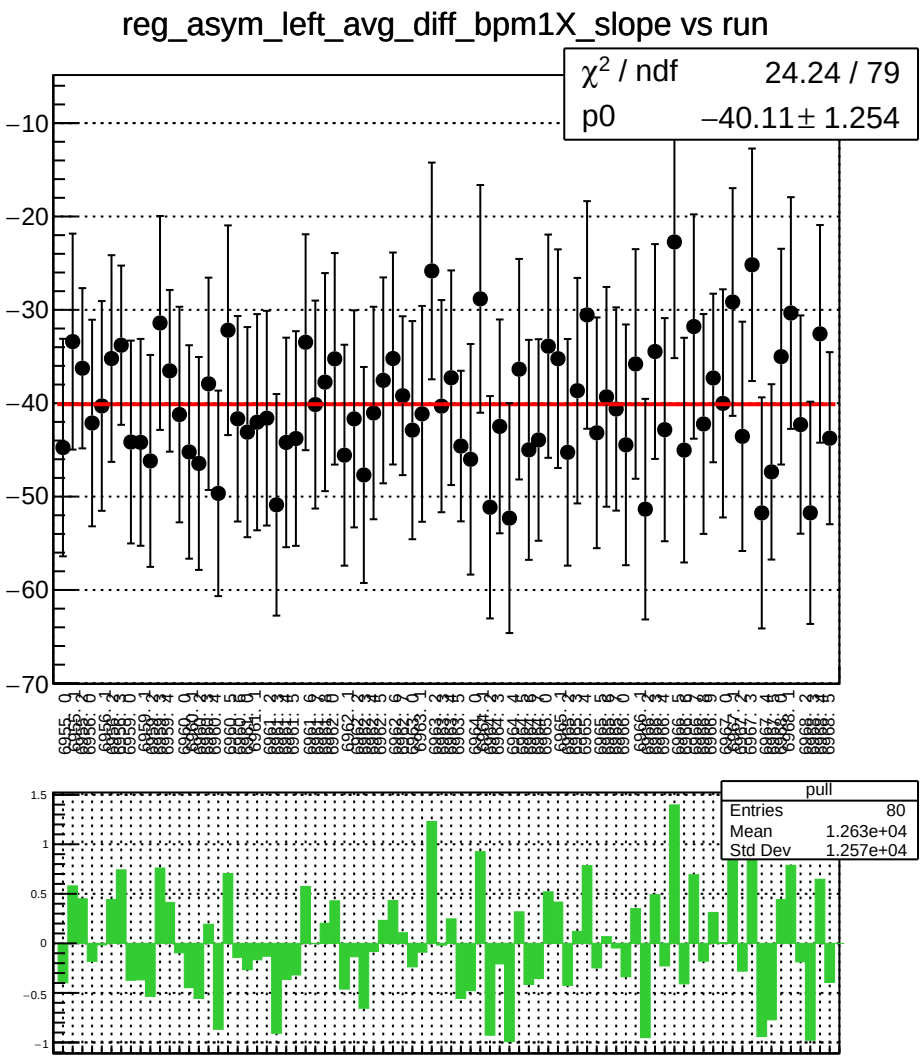

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.55 / 79
p0 0.1561± 0.09376
pull
Entries 80
Mean −901.6
Std Dev 938.6

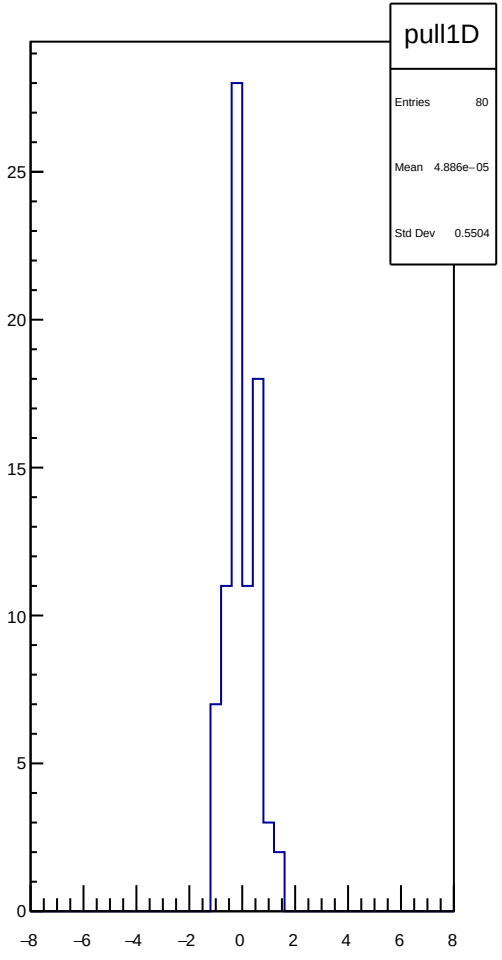

pull1D
Entries 80
Mean 0.004375
Std Dev 1.058

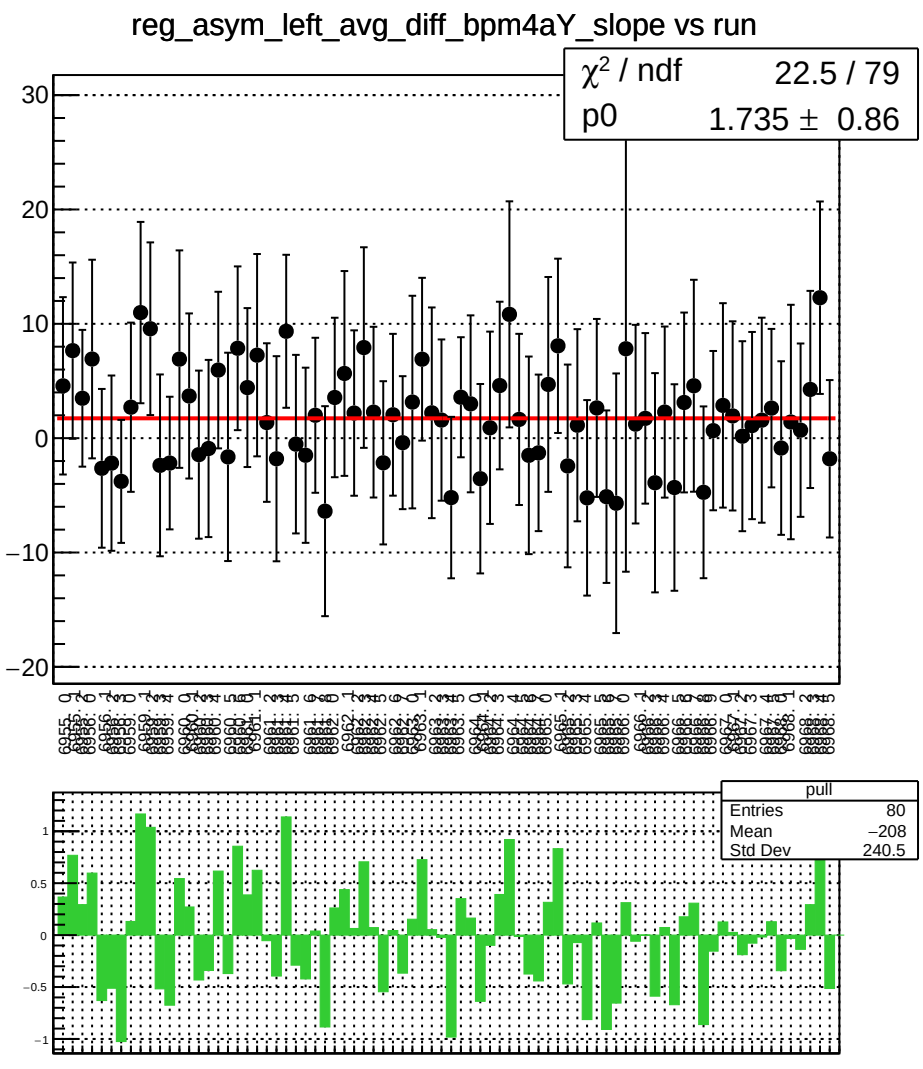

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 68.88 / 79
p0 −0.2015 ± 0.0795
pull
Entries 80
Mean 32.36
Std Dev 62.81

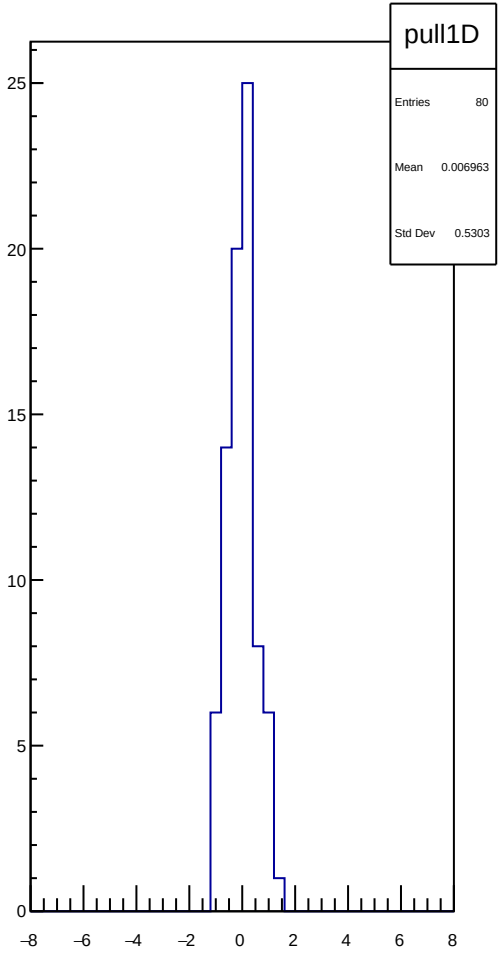

pull1D
Entries 80
Mean 0.01888
Std Dev 0.9277

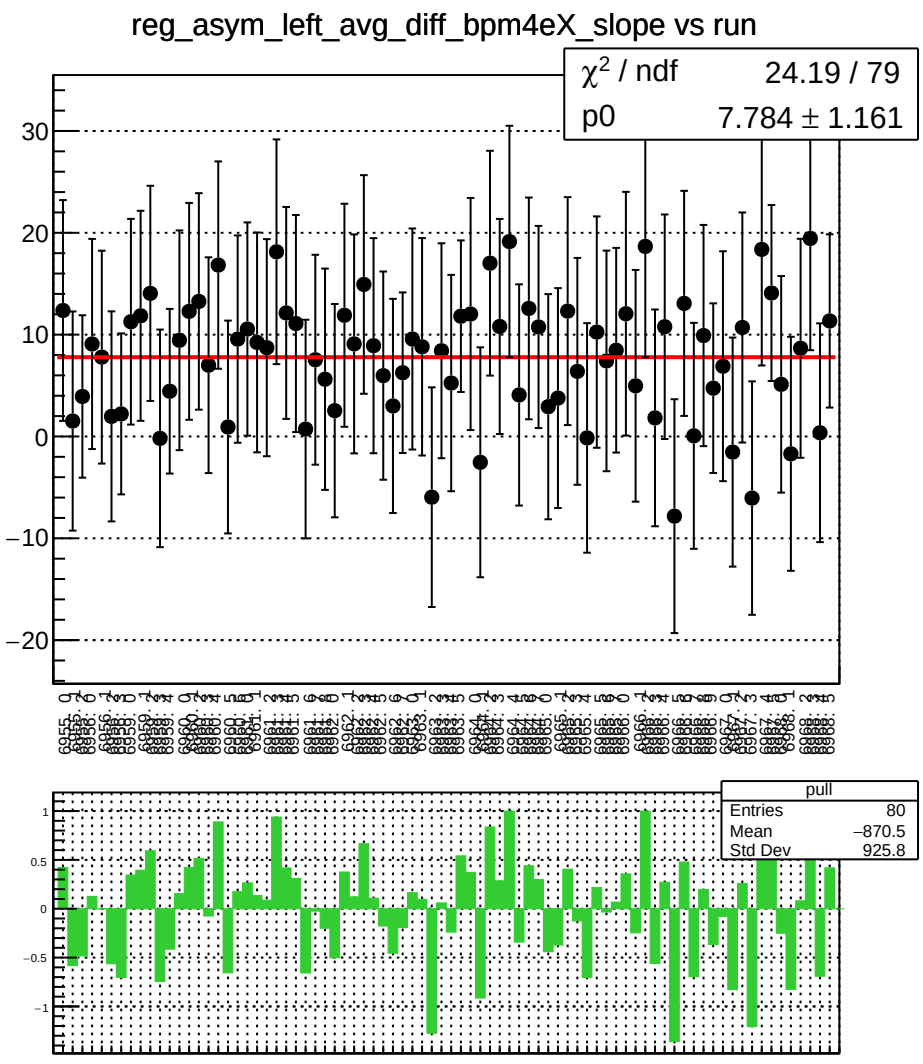

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 78.41 / 79
p0 −0.01115 ± 0.003081
pull
Entries 80
Mean 118.2
Std Dev 67.76
pull1D
Entries 80
Mean −0.01805
Std Dev 0.9898

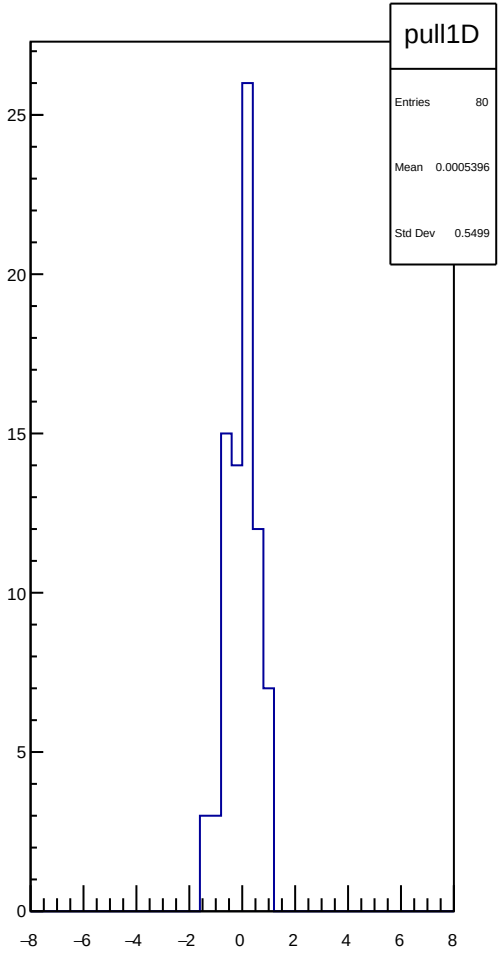

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 24.24 / 79
p0 −40.11 ± 1.254
pull
Entries 80
Mean 1.263e+04
Std Dev 1.257e+04

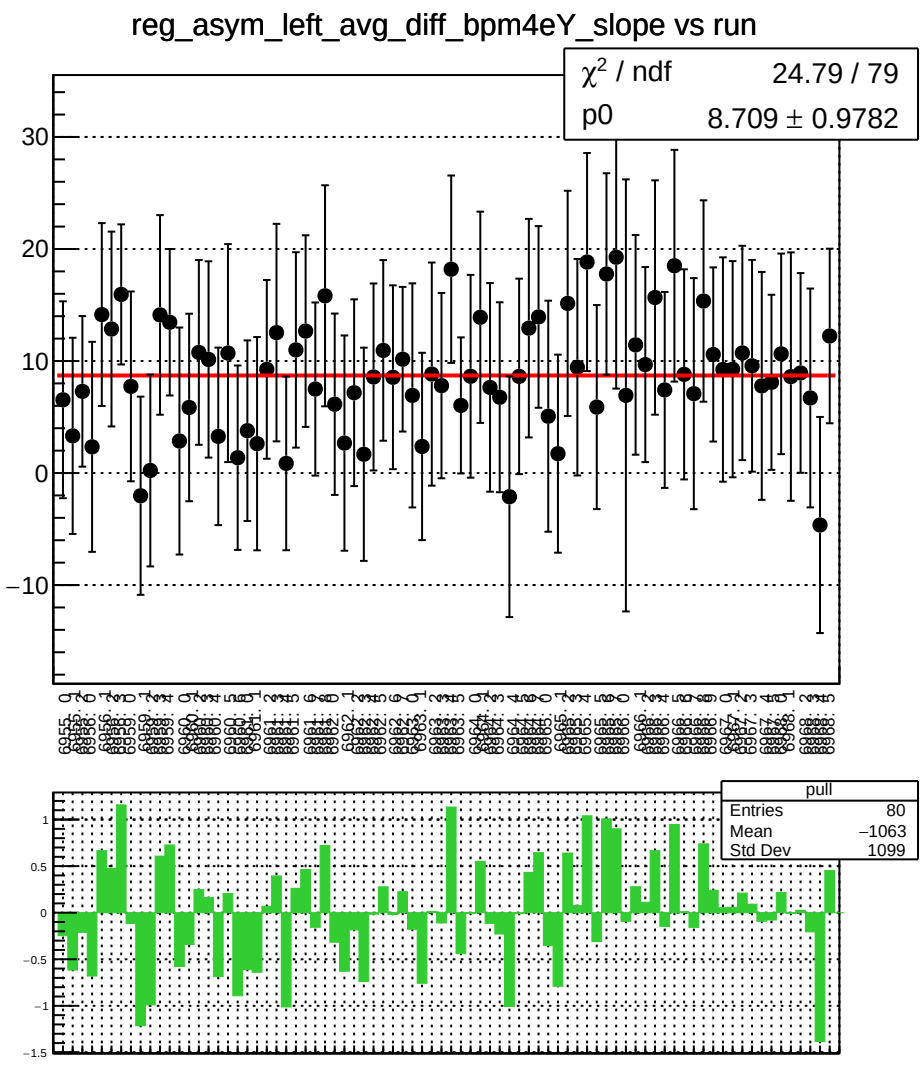

pull1D
Entries 80
Mean 4.886e−05
Std Dev 0.5504

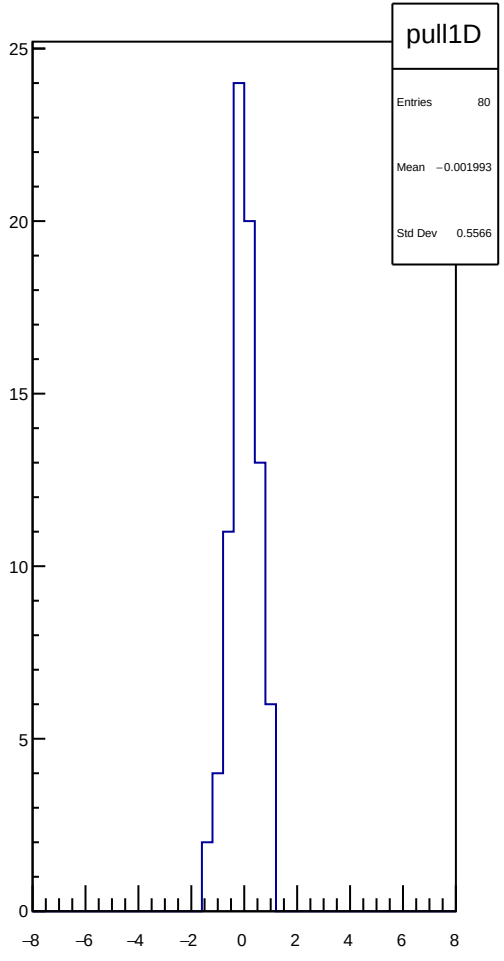

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.5 / 79
p0 1.735 ± 0.86
pull
Entries 80
Mean −208
Std Dev 240.5

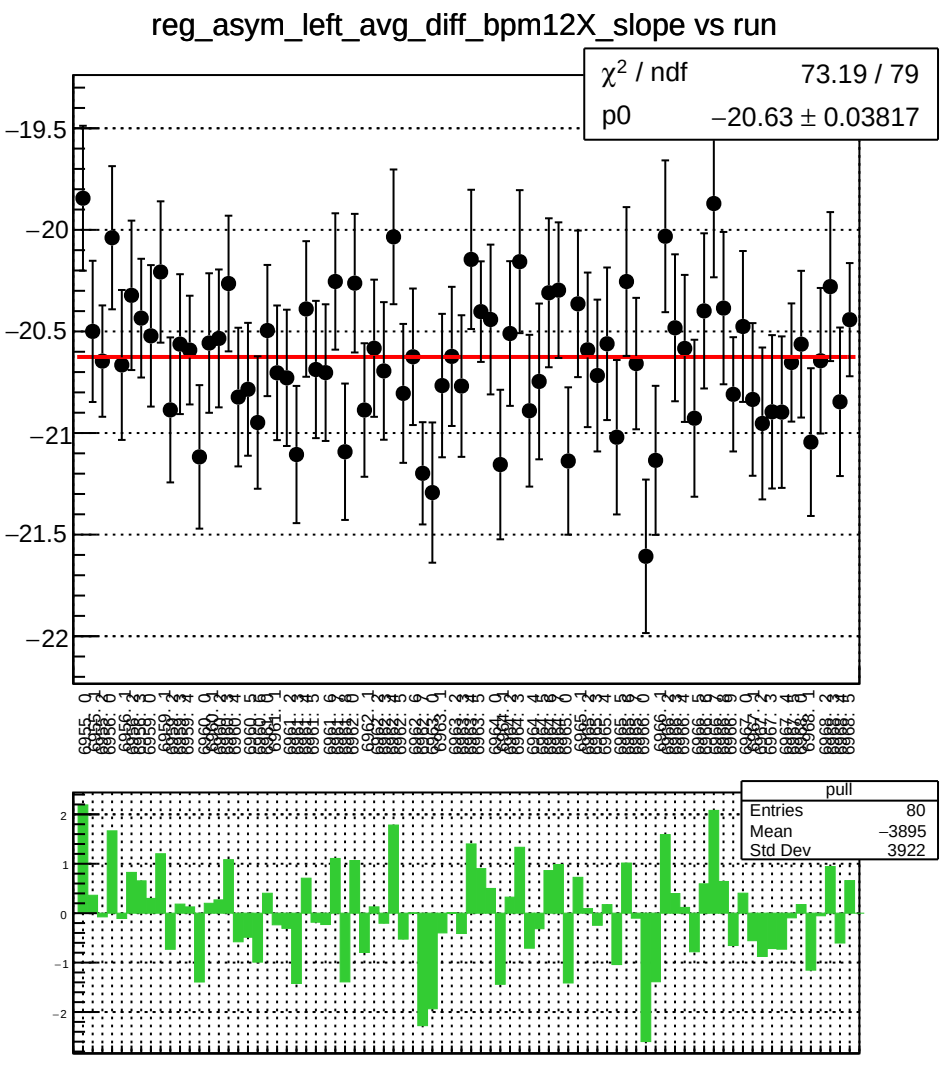

pull1D
Entries 80
Mean 0.006963
Std Dev 0.5303

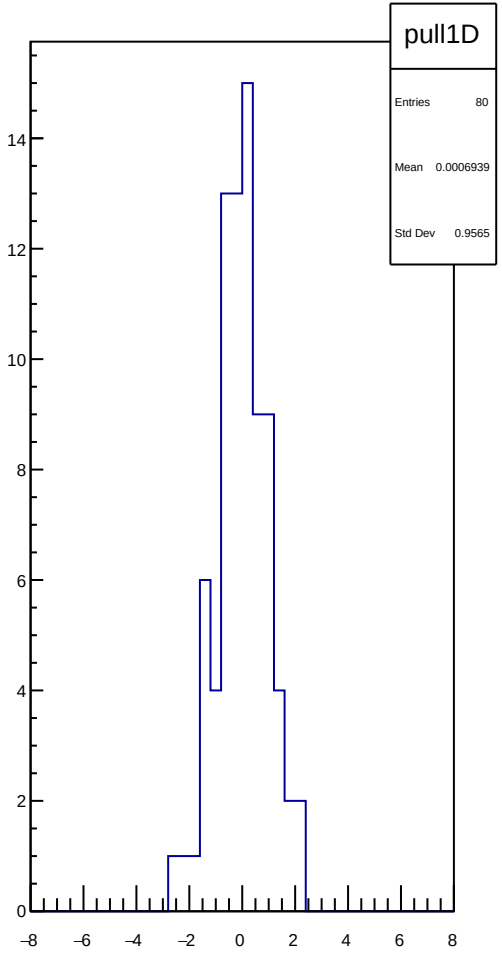

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.19 / 79
p0 7.784 ± 1.161
pull
Entries 80
Mean −870.5
Std Dev 925.8

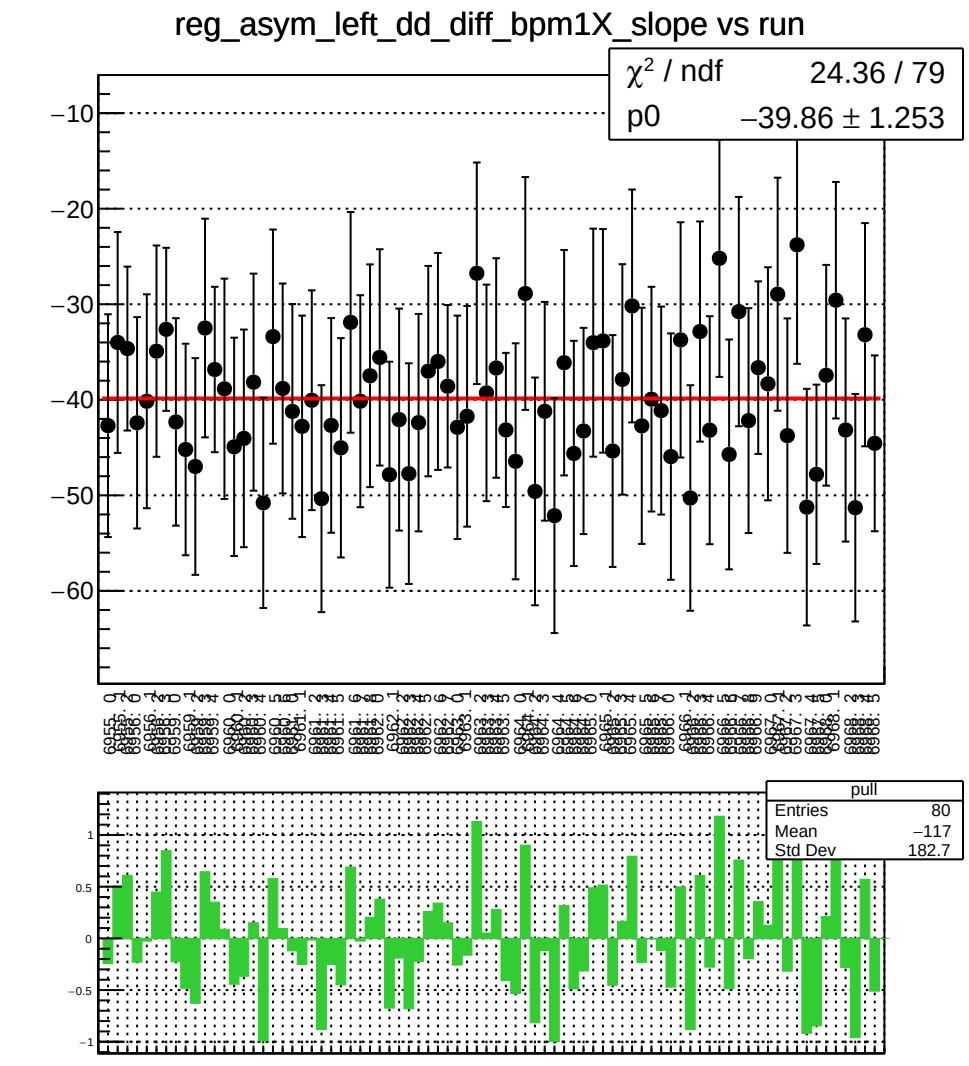

pull1D
Entries 80
Mean 0.0005396
Std Dev 0.5499

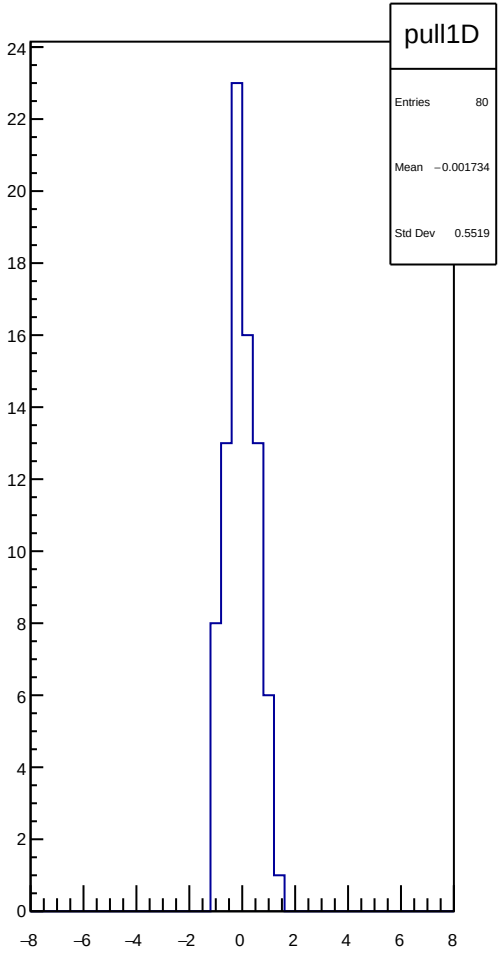

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.79 / 79
p0 8.709 ± 0.9782
pull
Entries 80
Mean −1063
Std Dev 1099

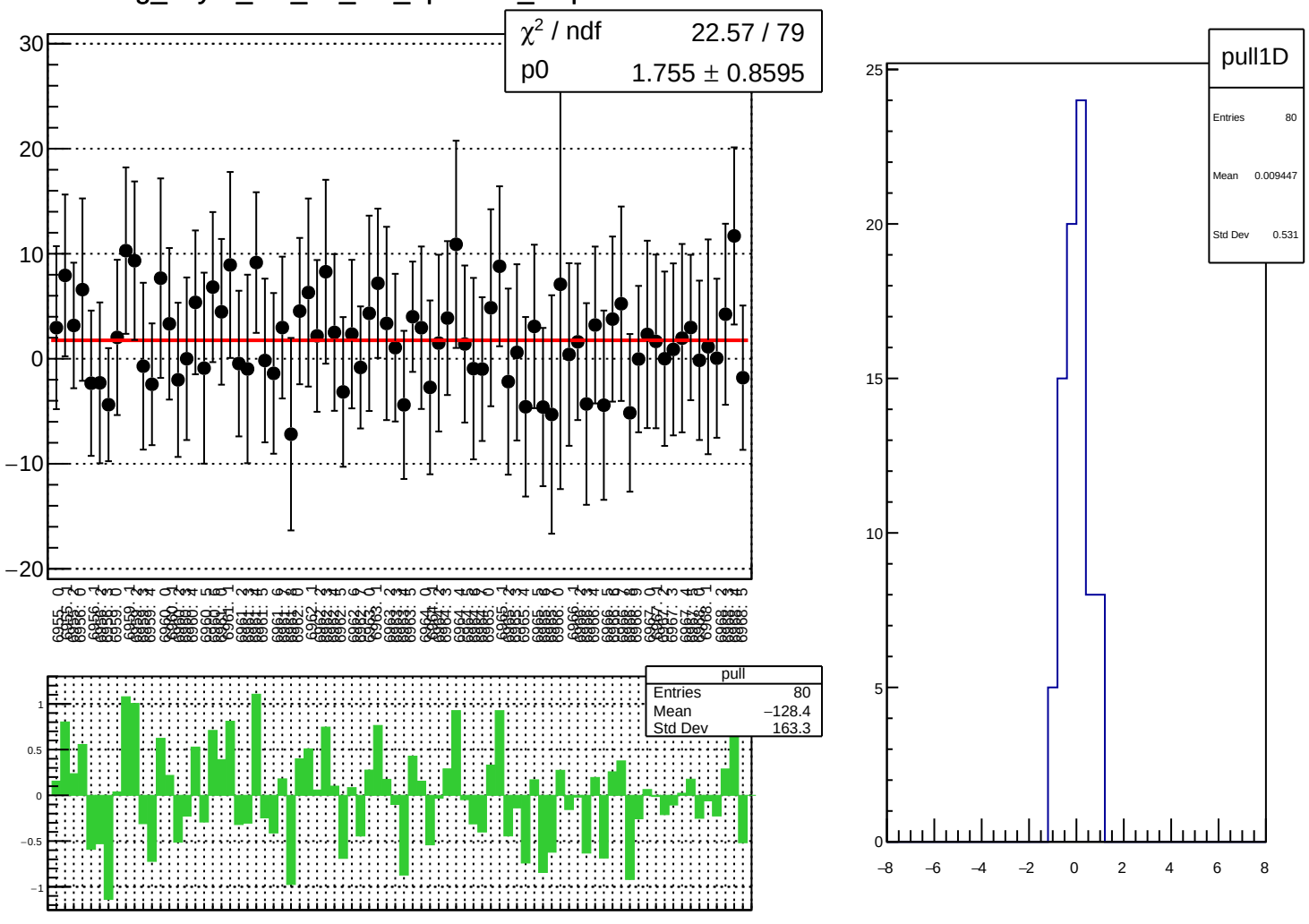

pull1D
Entries 80
Mean −0.001993
Std Dev 0.5566

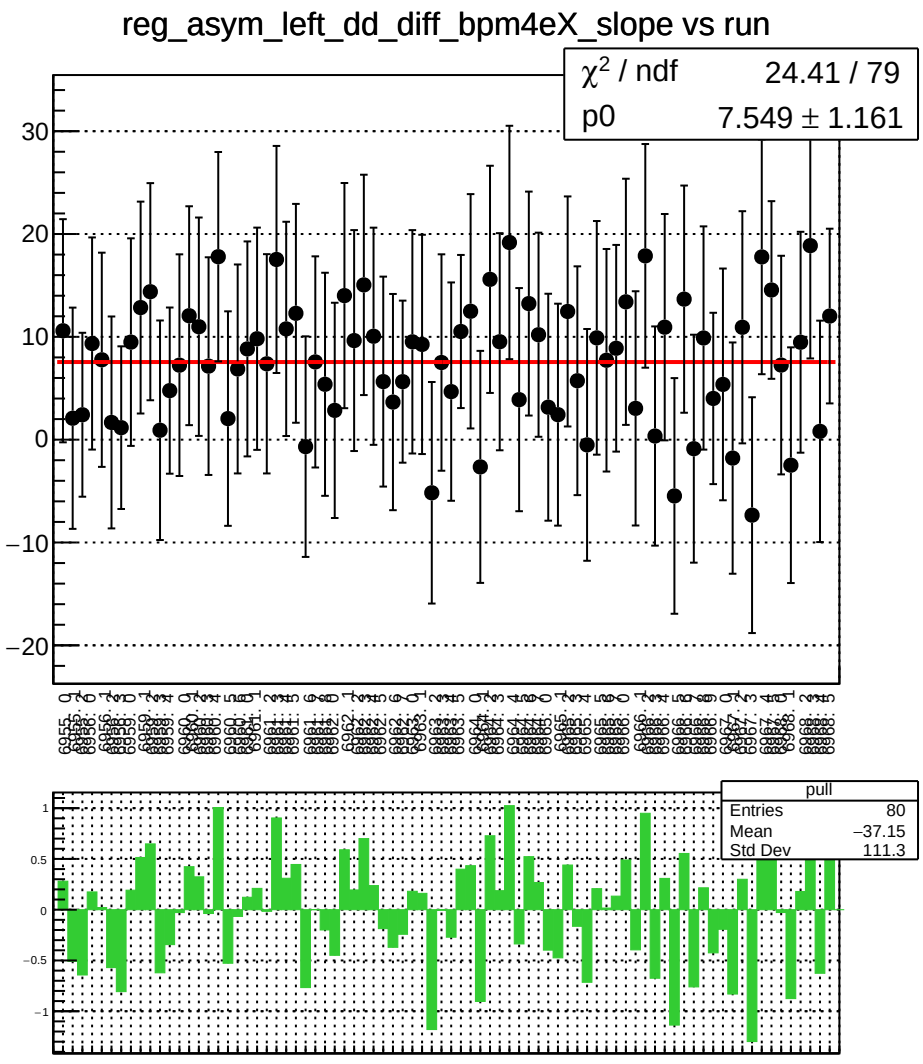

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 73.19 / 79
p0 −20.63 ± 0.03817
pull
Entries 80
Mean −3895
Std Dev 3922

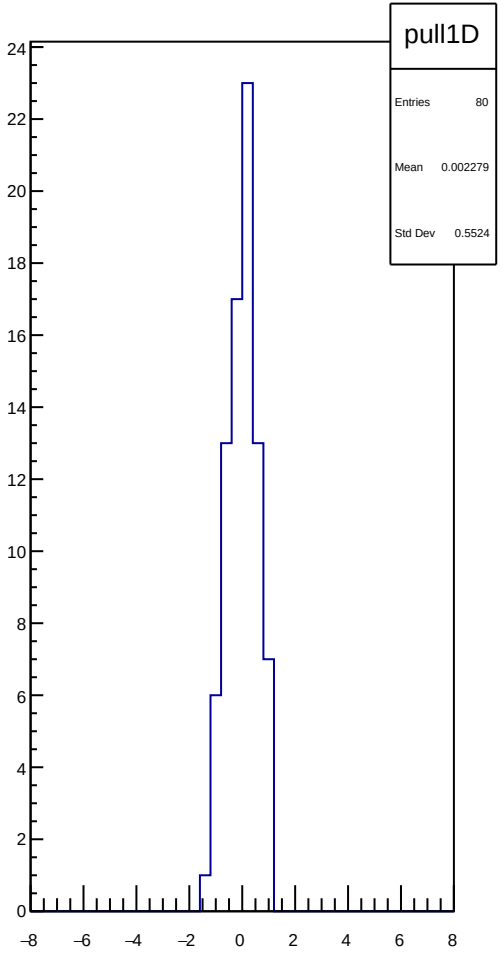

pull1D
Entries 80
Mean 0.0006939
Std Dev 0.9565

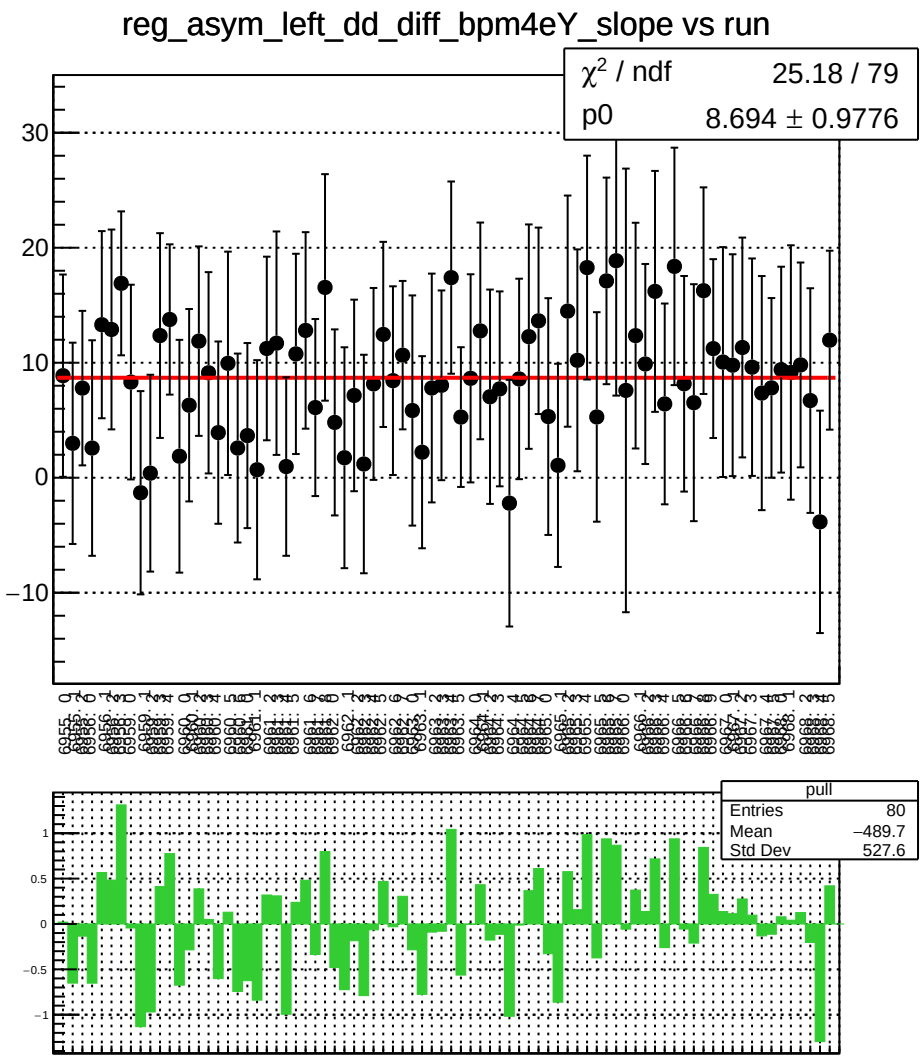

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 24.36 / 79
p0 −39.86 ± 1.253
pull
Entries 80
Mean −117
Std Dev 182.7

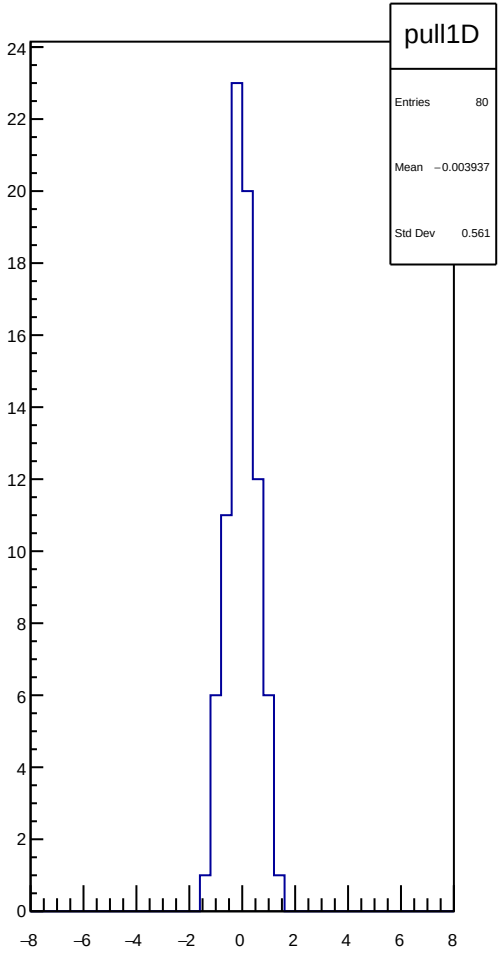

pull1D
Entries 80
Mean −0.001734
Std Dev 0.5519

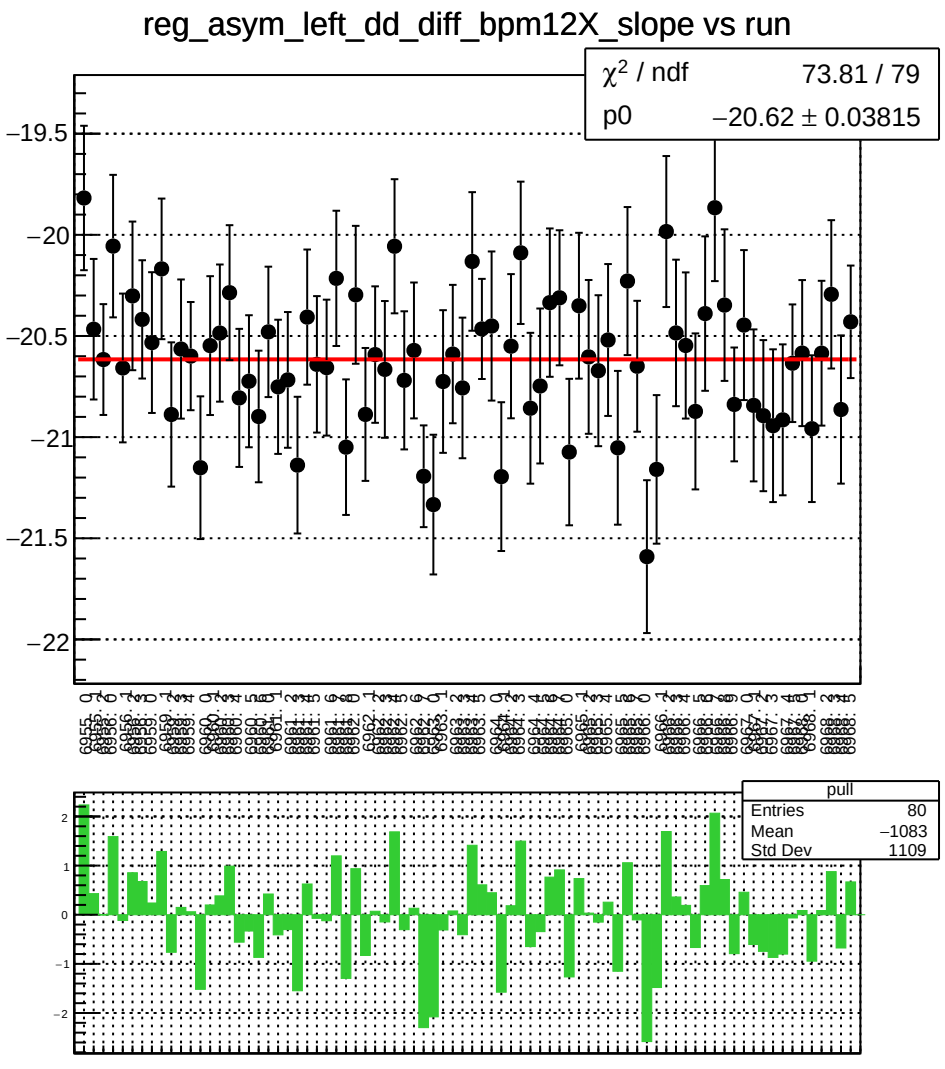

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.57 / 79
p0 1.755 ± 0.8595
pull
Entries 80
Mean −128.4
Std Dev 163.3
pull1D
Entries 80
Mean 0.009447
Std Dev 0.531

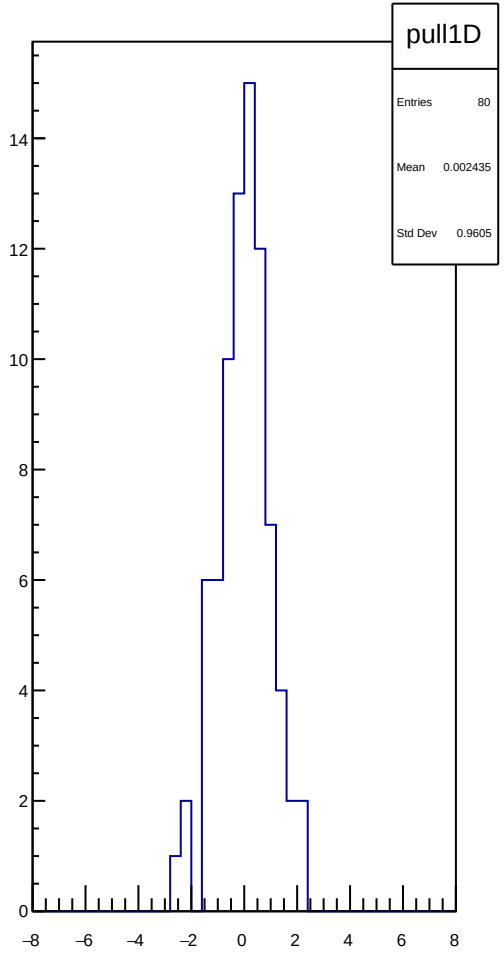

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.41 / 79
p0 7.549 ± 1.161
pull
Entries 80
Mean −37.15
Std Dev 111.3

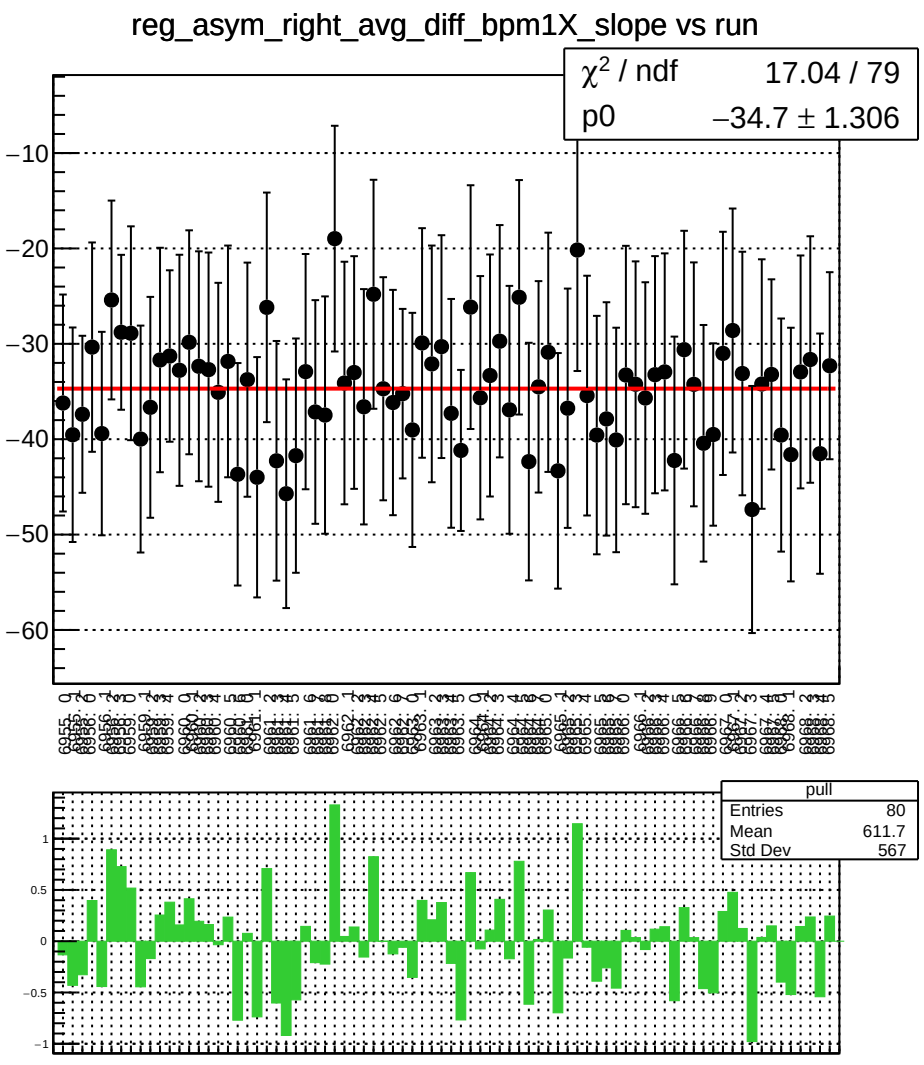

pull1D
Entries 80
Mean 0.002279
Std Dev 0.5524

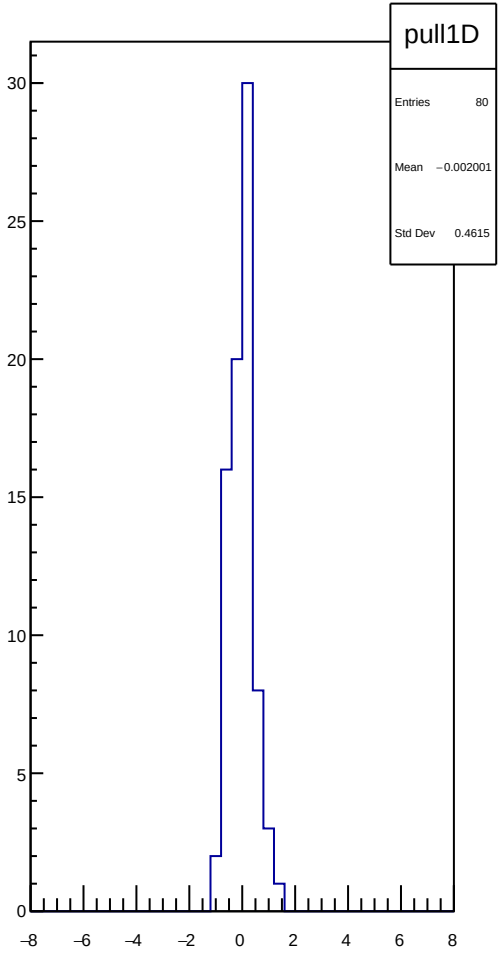

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.18 / 79
p0 8.694 ± 0.9776
pull
Entries 80
Mean −489.7
Std Dev 527.6

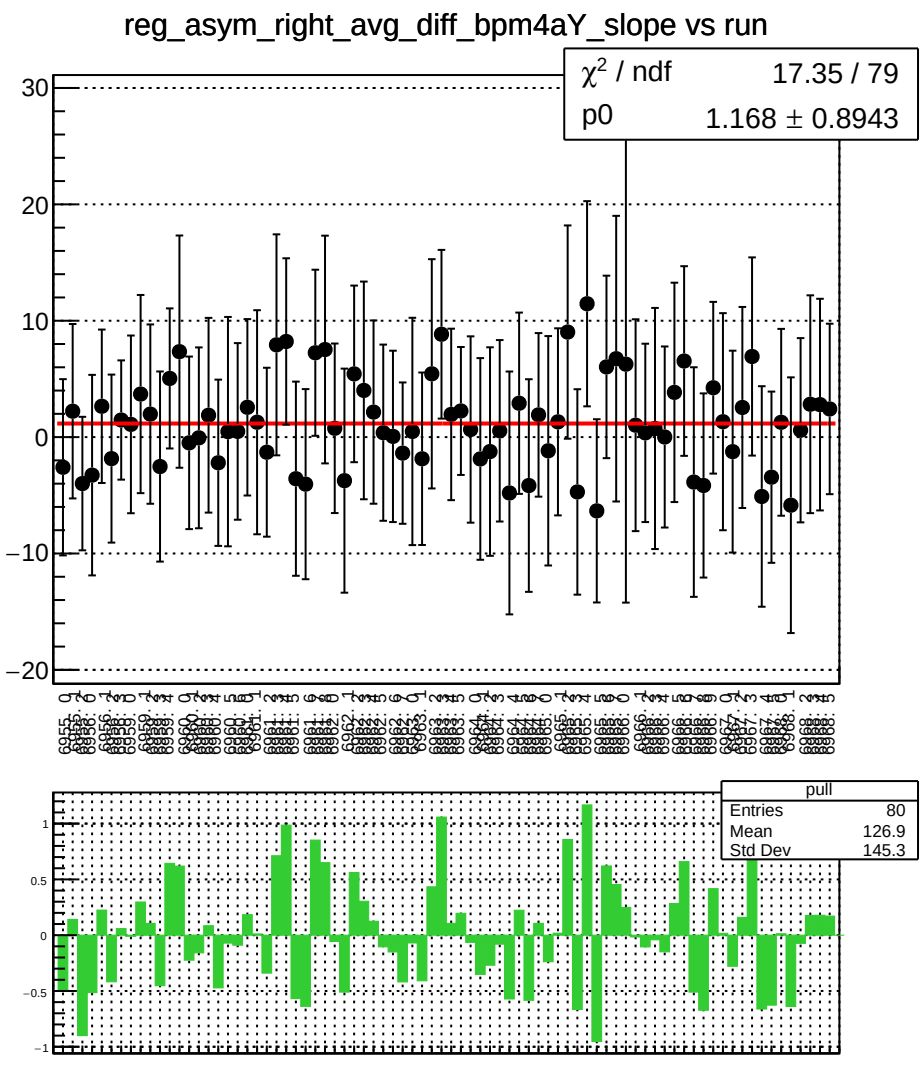

pull1D
Entries 80
Mean −0.003937
Std Dev 0.561

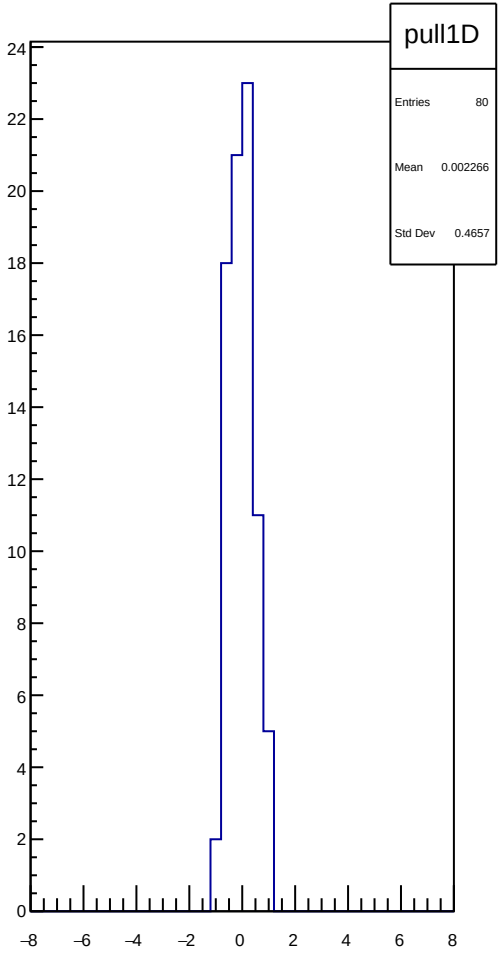

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 73.81 / 79
p0 −20.62 ± 0.03815
−19.5
−20
−20.5
−21
−21.5
−22
pull
Entries 80
Mean −1083
Std Dev 1109
2
1
0
−1
−2

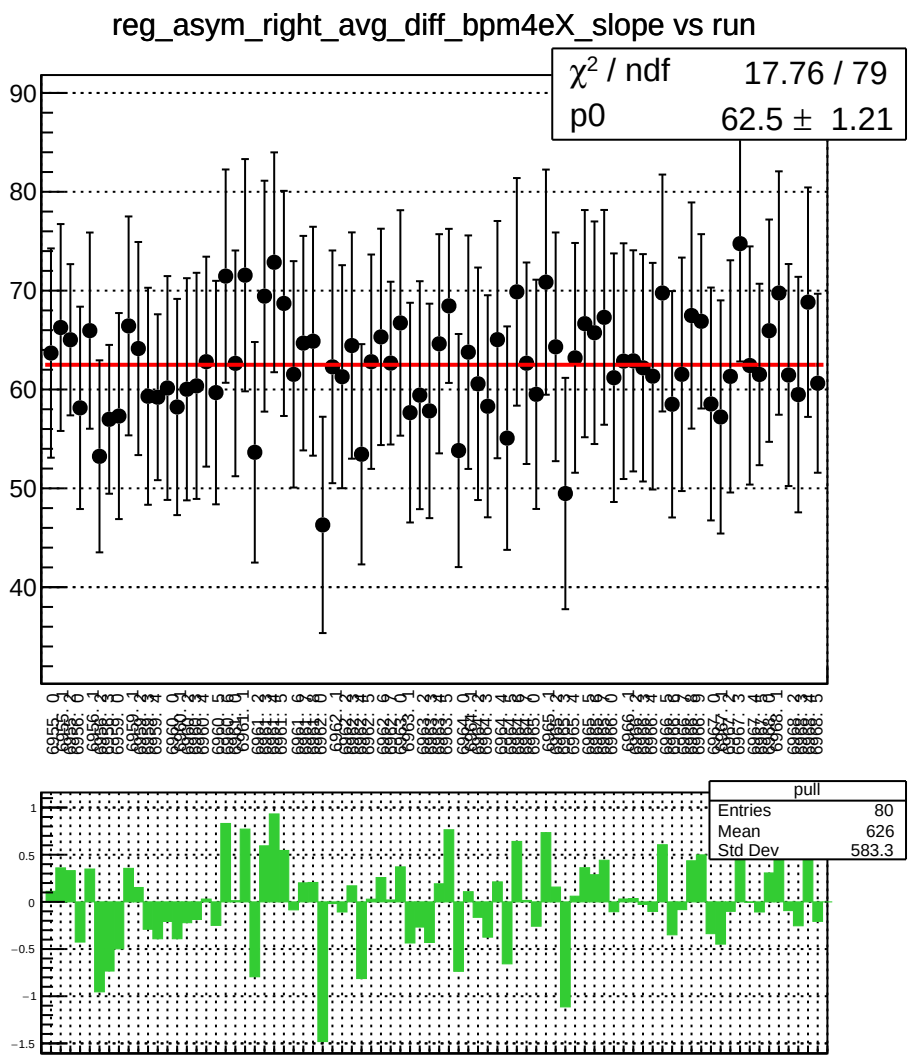

pull1D
Entries 80
Mean 0.002435
Std Dev 0.9605
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

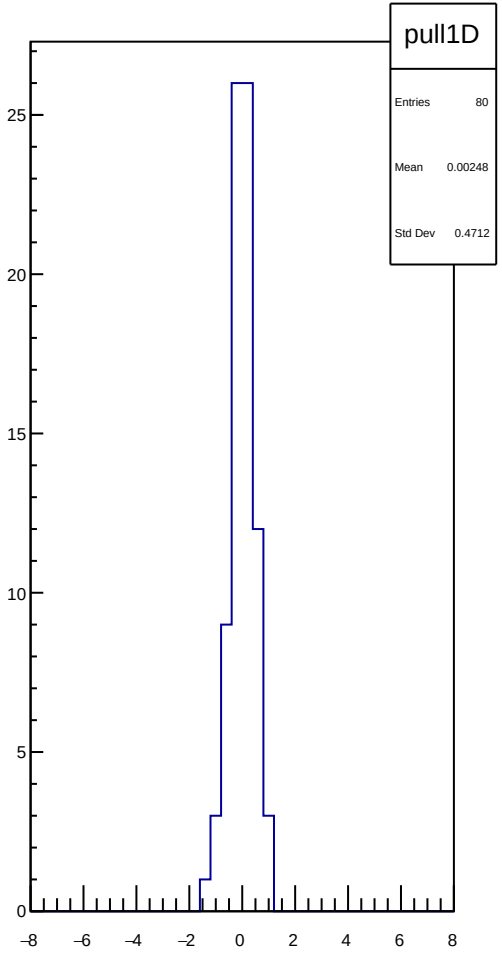

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 17.04 / 79
p0 −34.7 ± 1.306
pull
Entries 80
Mean 611.7
Std Dev 567

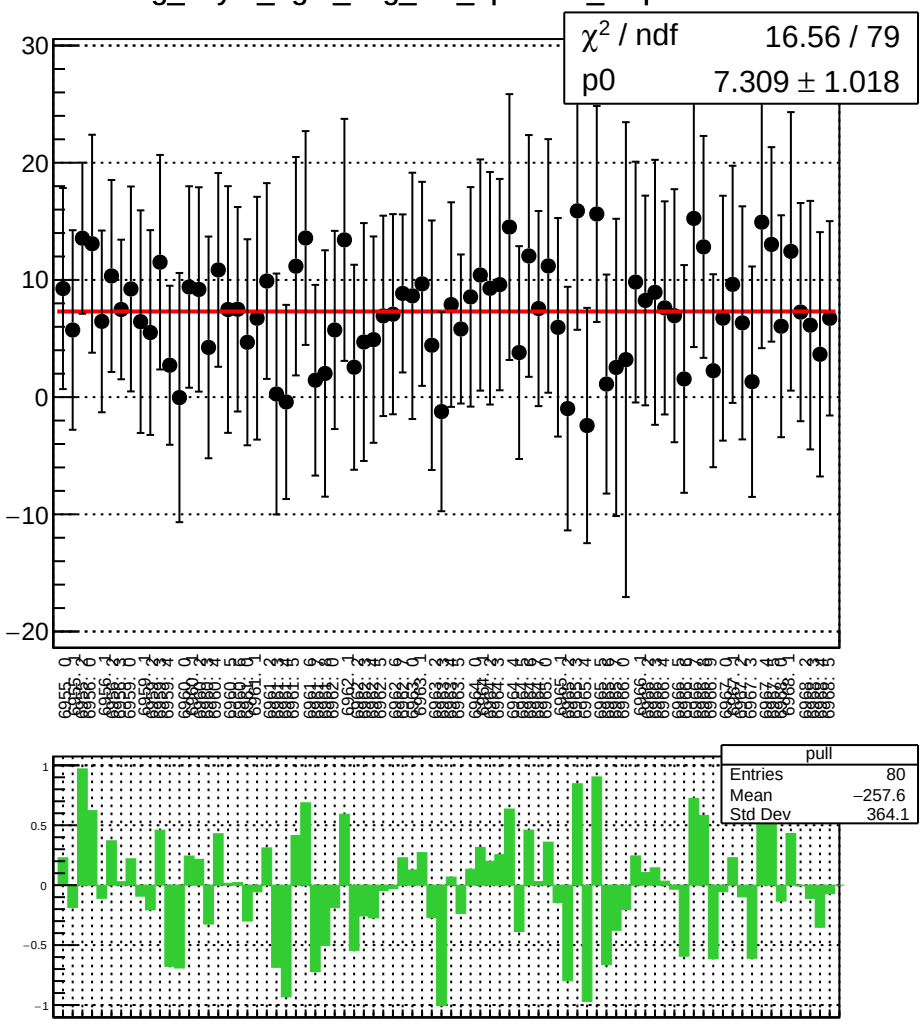

pull1D
Entries 80
Mean −0.002001
Std Dev 0.4615

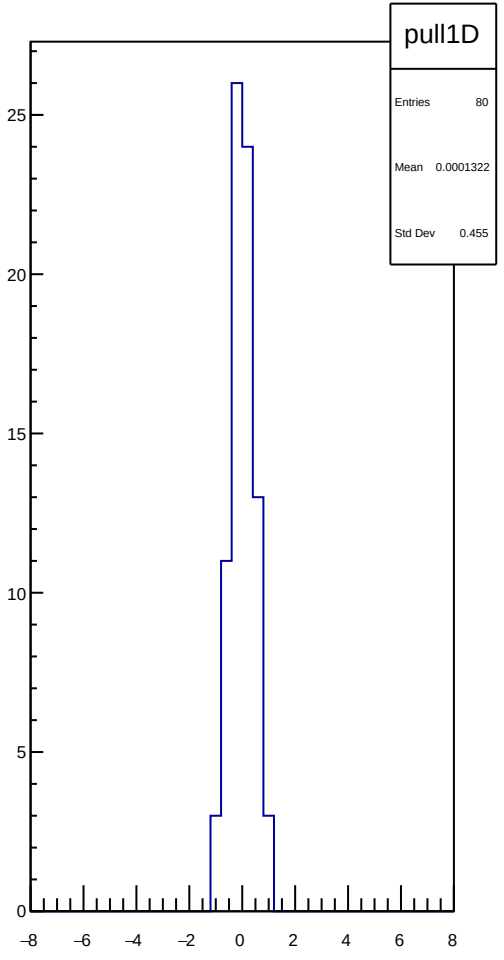

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.35 / 79
p0 1.168 ± 0.8943
pull
Entries 80
Mean 126.9
Std Dev 145.3

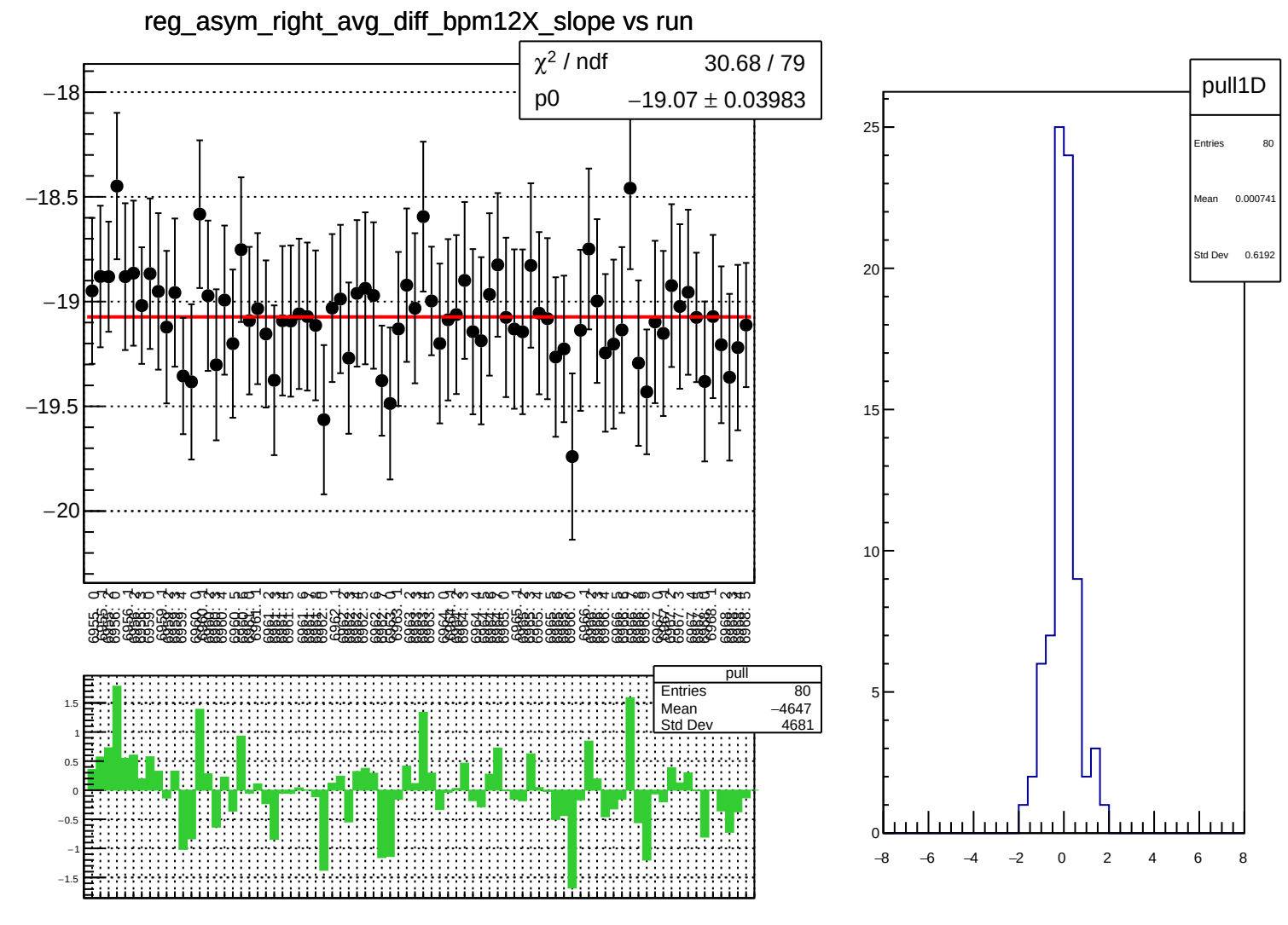

pull1D
Entries 80
Mean 0.002266
Std Dev 0.4657

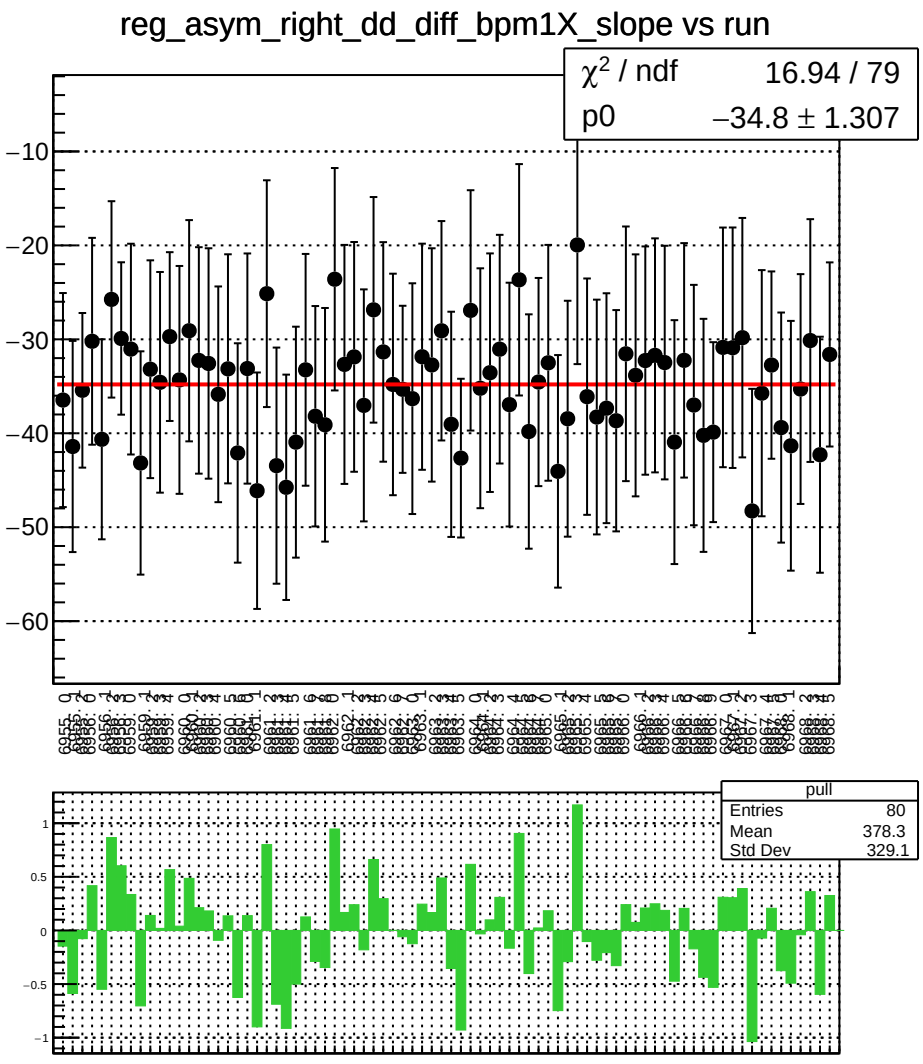

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.76 / 79
p0 62.5 ± 1.21
pull
Entries 80
Mean 626
Std Dev 583.3

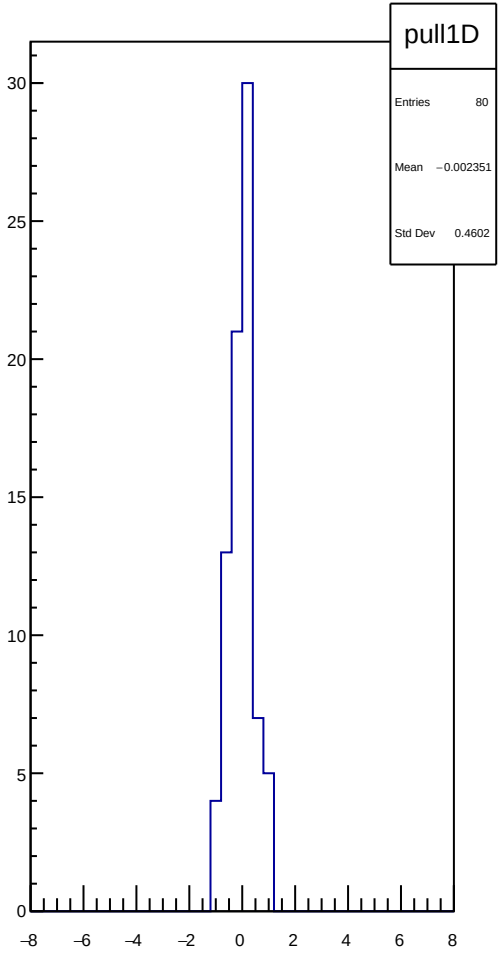

pull1D
Entries 80
Mean 0.00248
Std Dev 0.4712

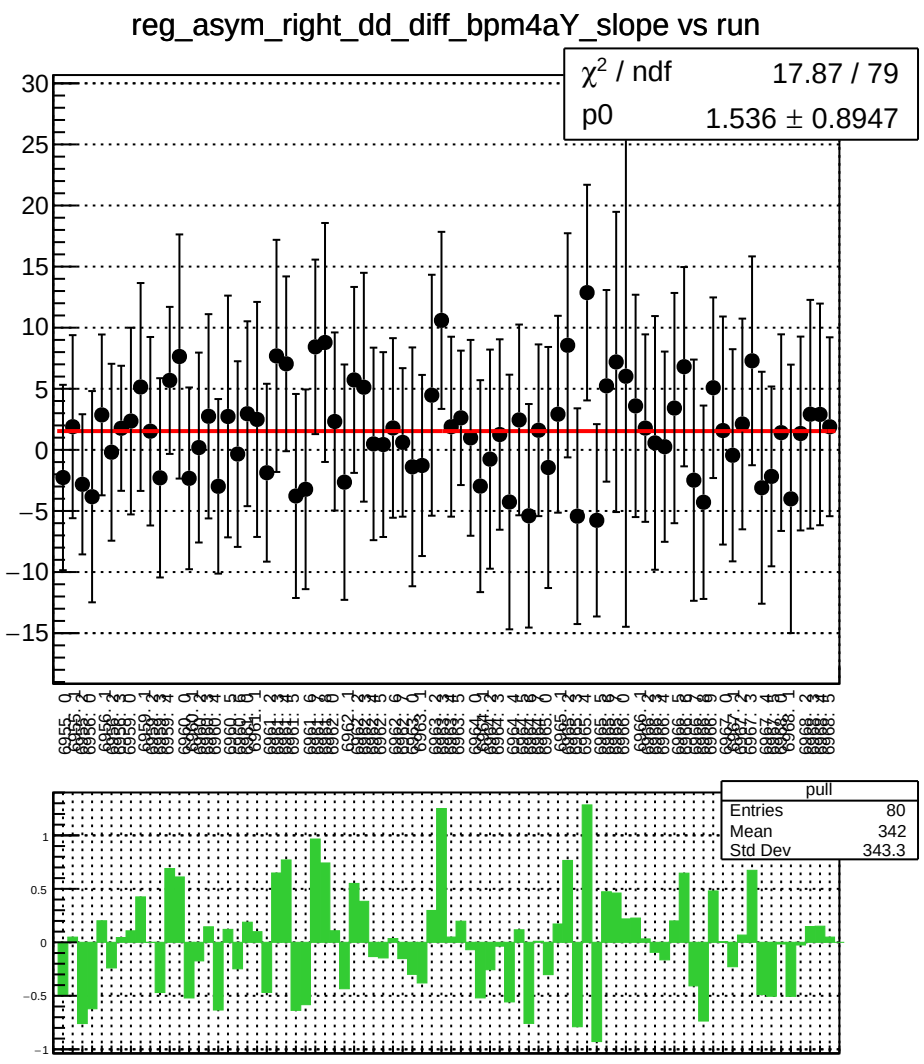

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.56 / 79
p0 7.309 ± 1.018
pull
Entries 80
Mean −257.6
Std Dev 364.1

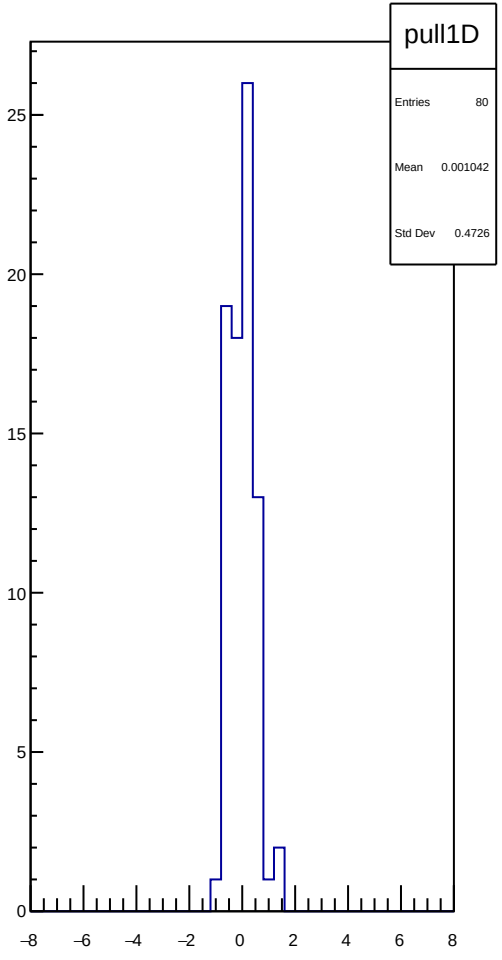

pull1D
Entries 80
Mean 0.0001322
Std Dev 0.455

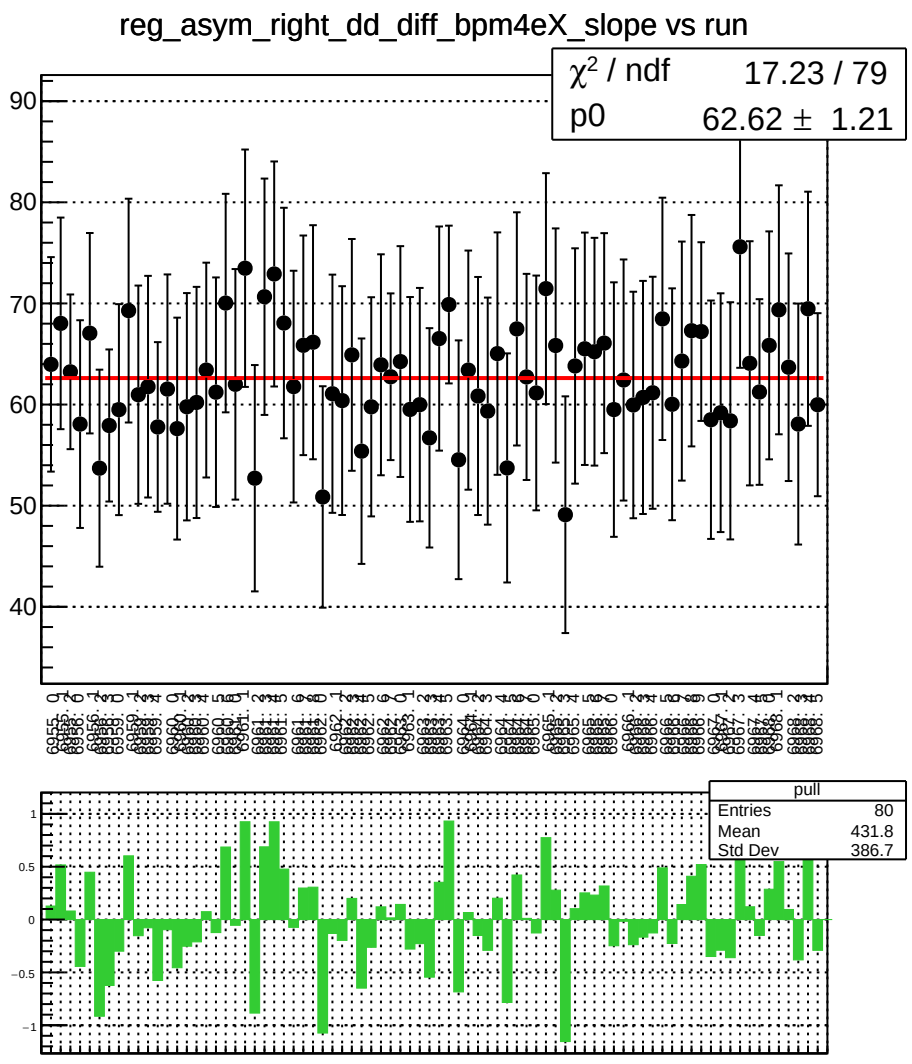

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 30.68 / 79
p0 −19.07 ± 0.03983
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean −4647
Std Dev 4681
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.000741
Std Dev 0.6192
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

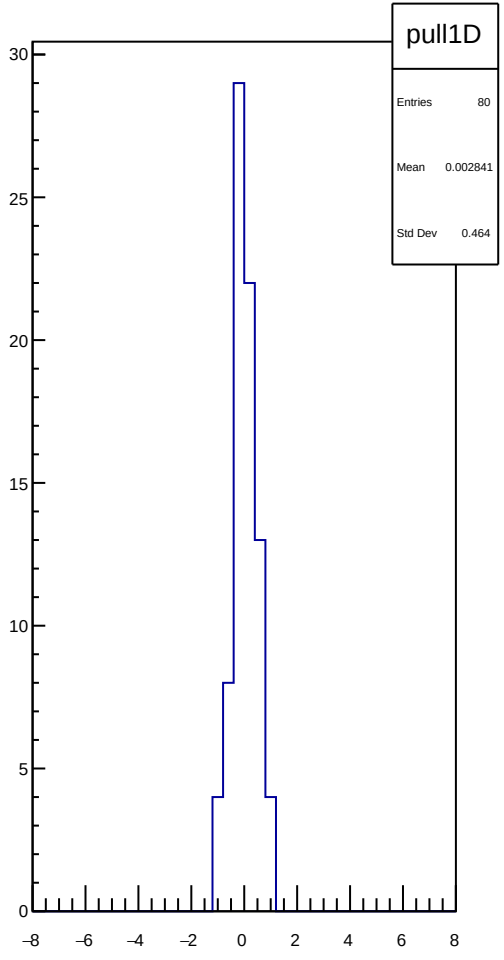

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 16.94 / 79
p0 −34.8 ± 1.307
pull
Entries 80
Mean 378.3
Std Dev 329.1

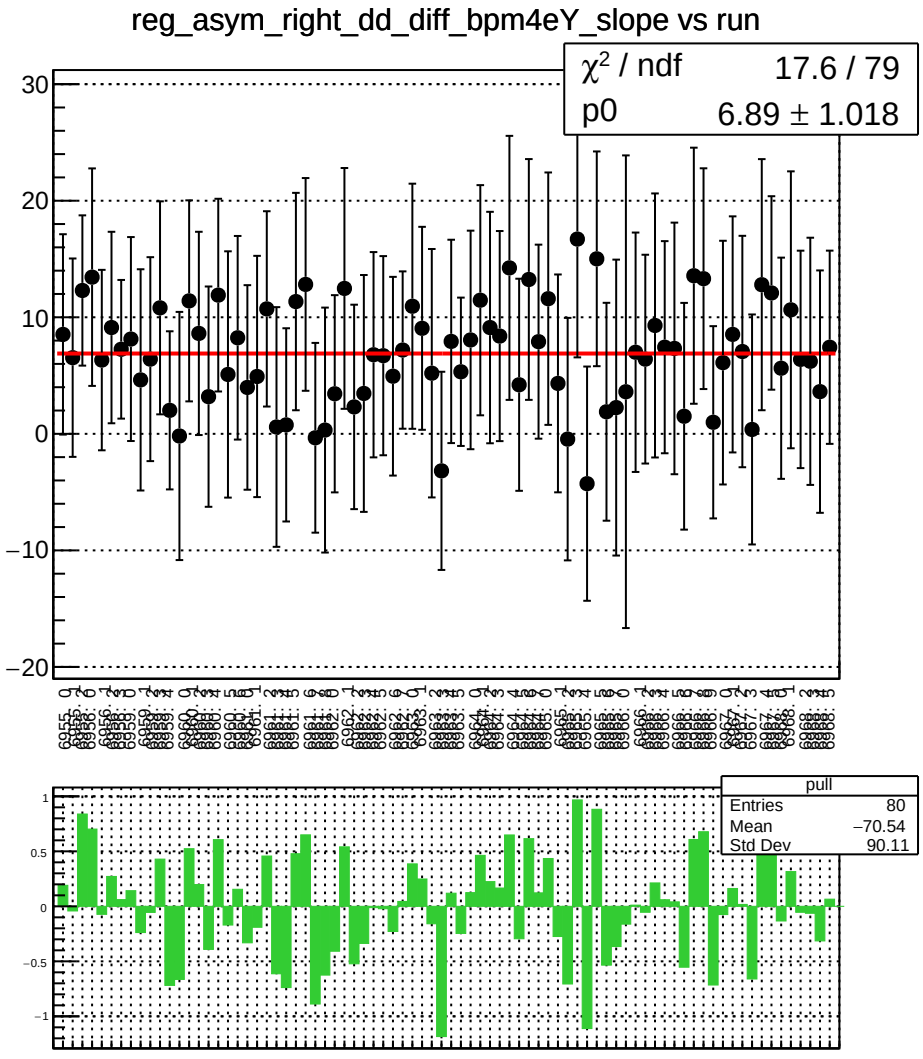

pull1D
Entries 80
Mean −0.002351
Std Dev 0.4602

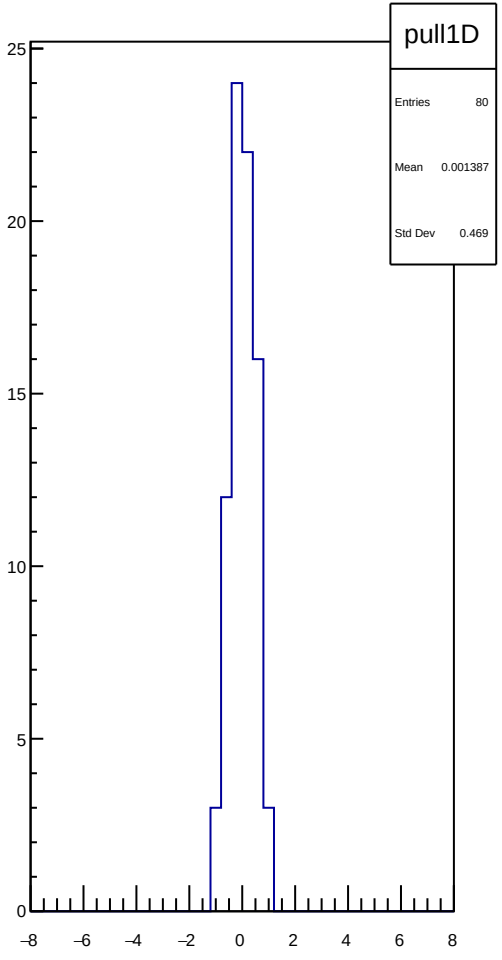

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.87 / 79
p0 1.536 ± 0.8947
pull
Entries 80
Mean 342
Std Dev 343.3

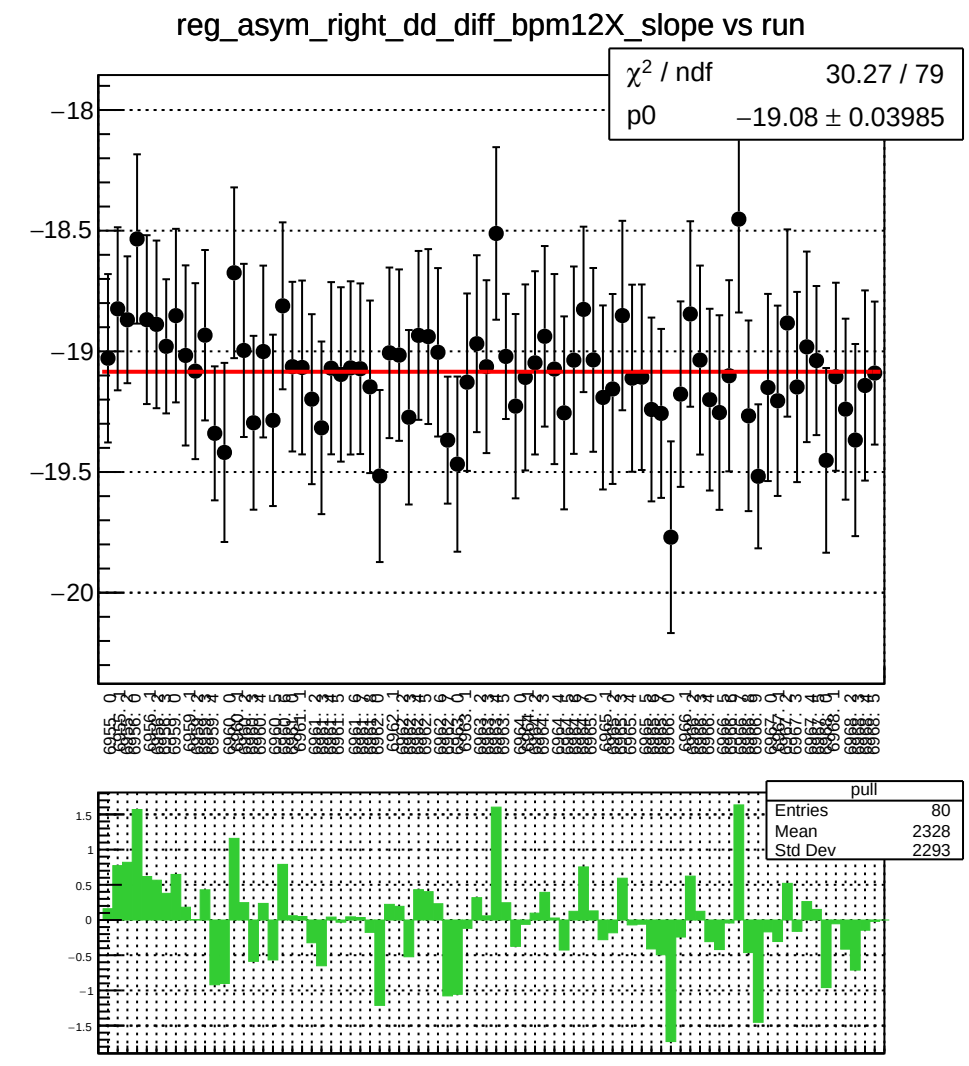

pull1D
Entries 80
Mean 0.001042
Std Dev 0.4726

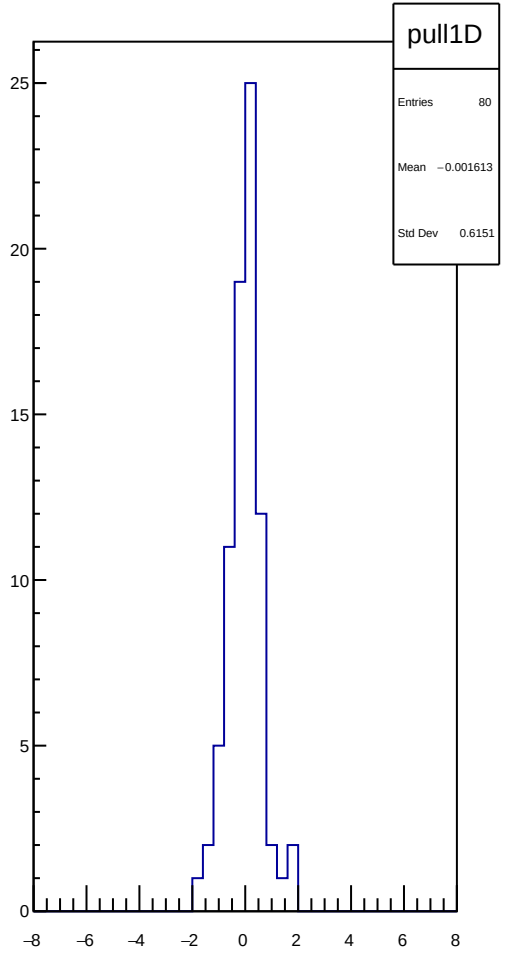

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.23 / 79
p0 62.62 ± 1.21
pull
Entries 80
Mean 431.8
Std Dev 386.7

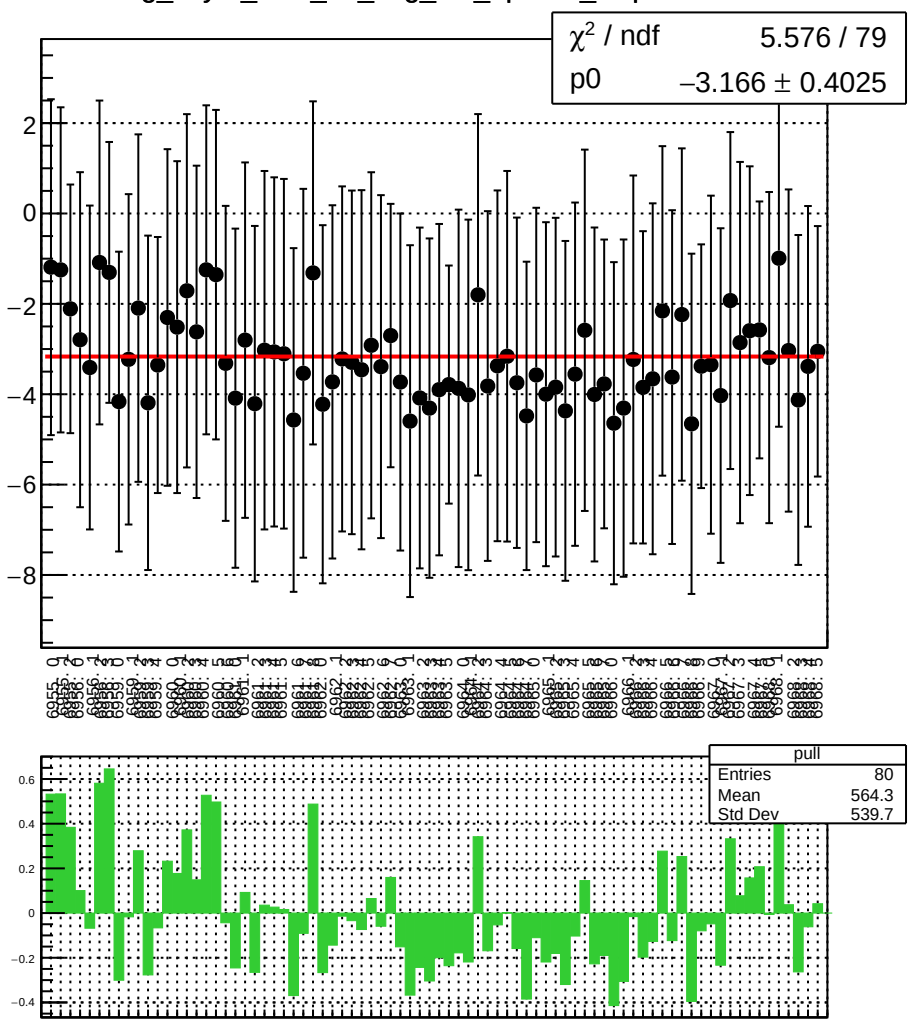

pull1D
Entries 80
Mean 0.002841
Std Dev 0.464

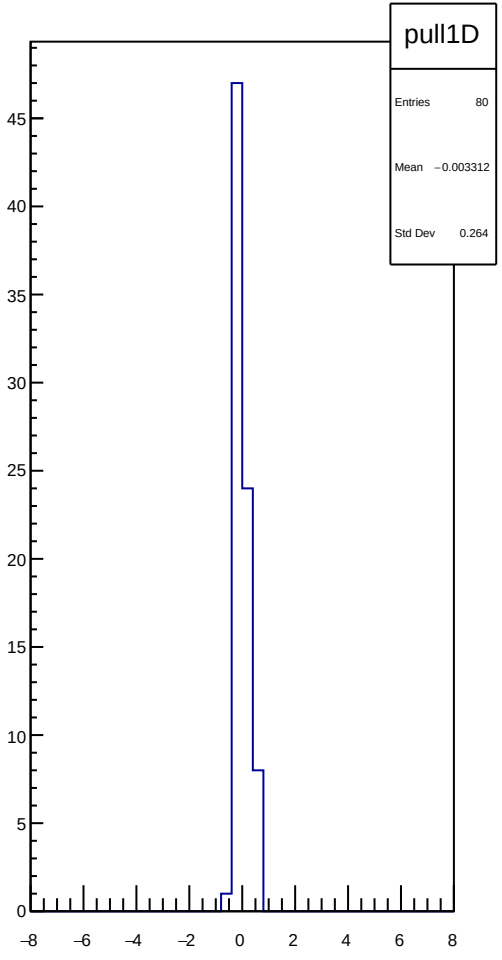

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.6 / 79
p0 6.89 ± 1.018
pull
Entries 80
Mean −70.54
Std Dev 90.11

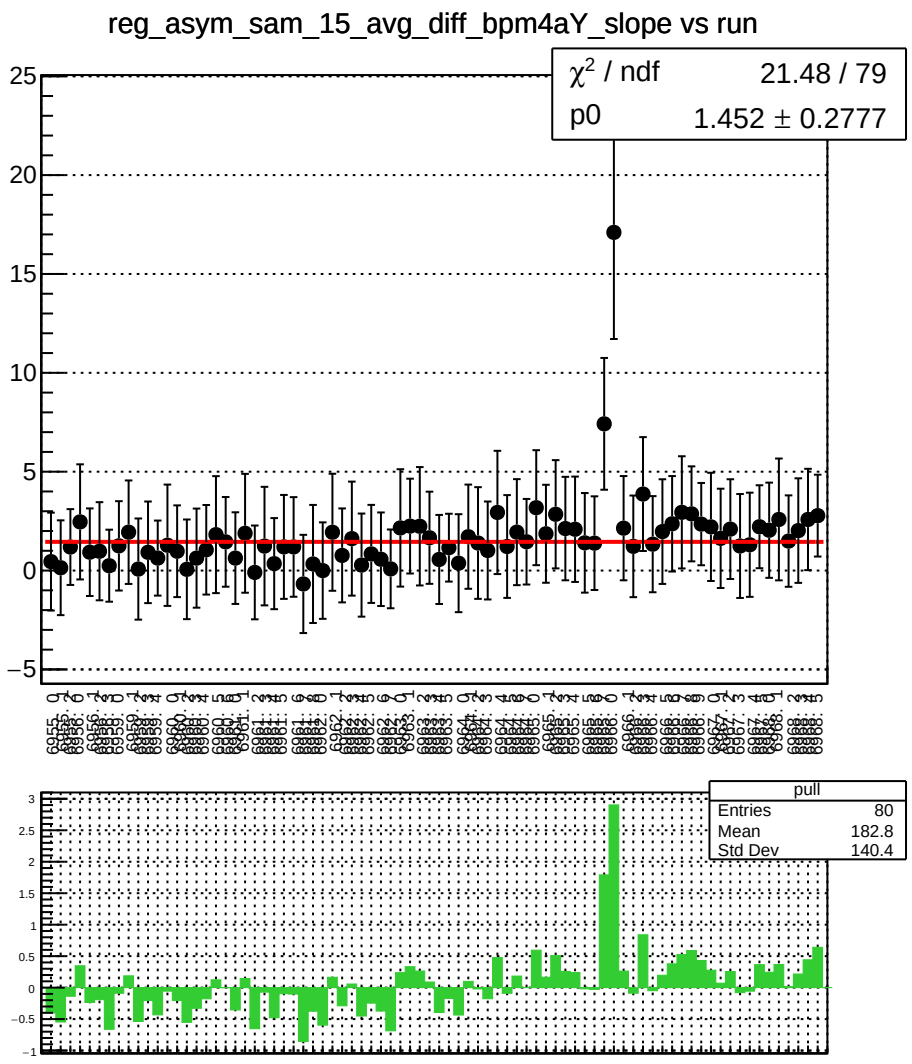

pull1D
Entries 80
Mean 0.001387
Std Dev 0.469

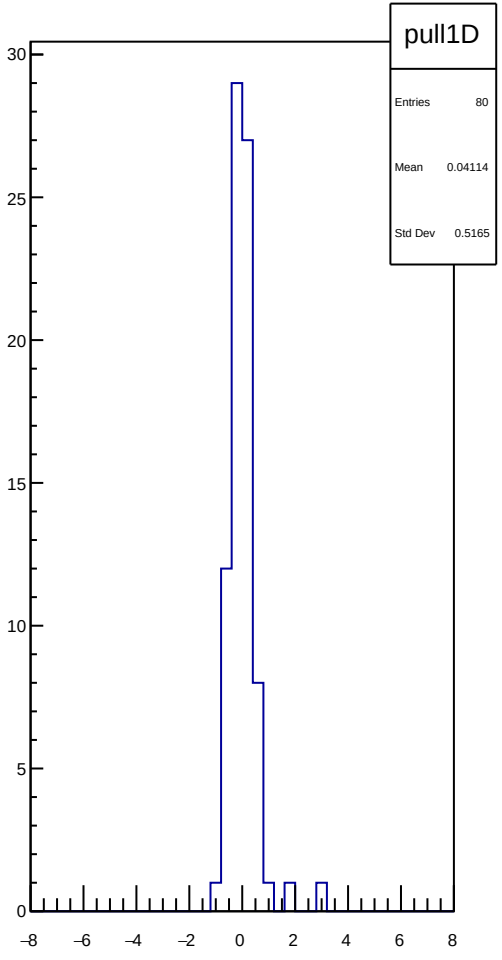

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 30.27 / 79
p0 −19.08 ± 0.03985
−18
−18.5
−19
−19.5
−20
pull
Entries 80
Mean 2328
Std Dev 2293
1.5
1
0.5
0
−0.5
−1
−1.5

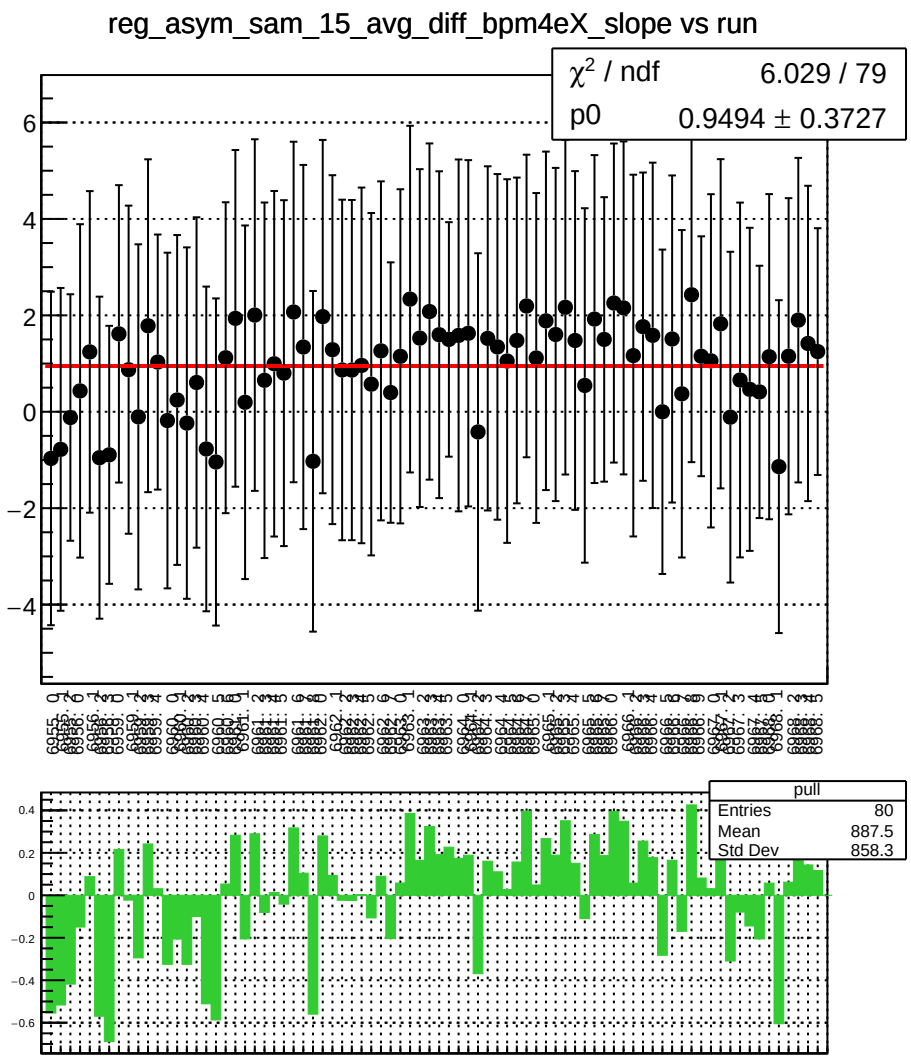

pull1D
Entries 80
Mean −0.001613
Std Dev 0.6151
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

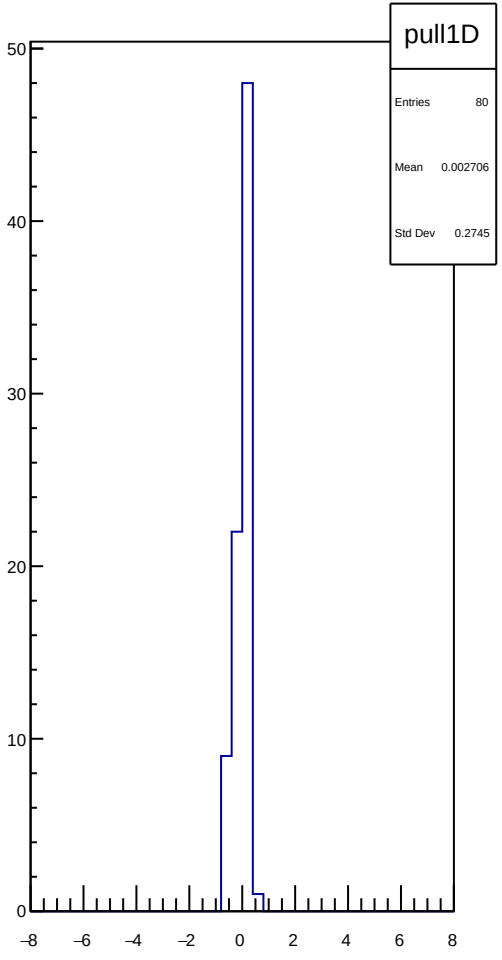

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 5.576 / 79
p0 −3.166 ± 0.4025
pull
Entries 80
Mean 564.3
Std Dev 539.7

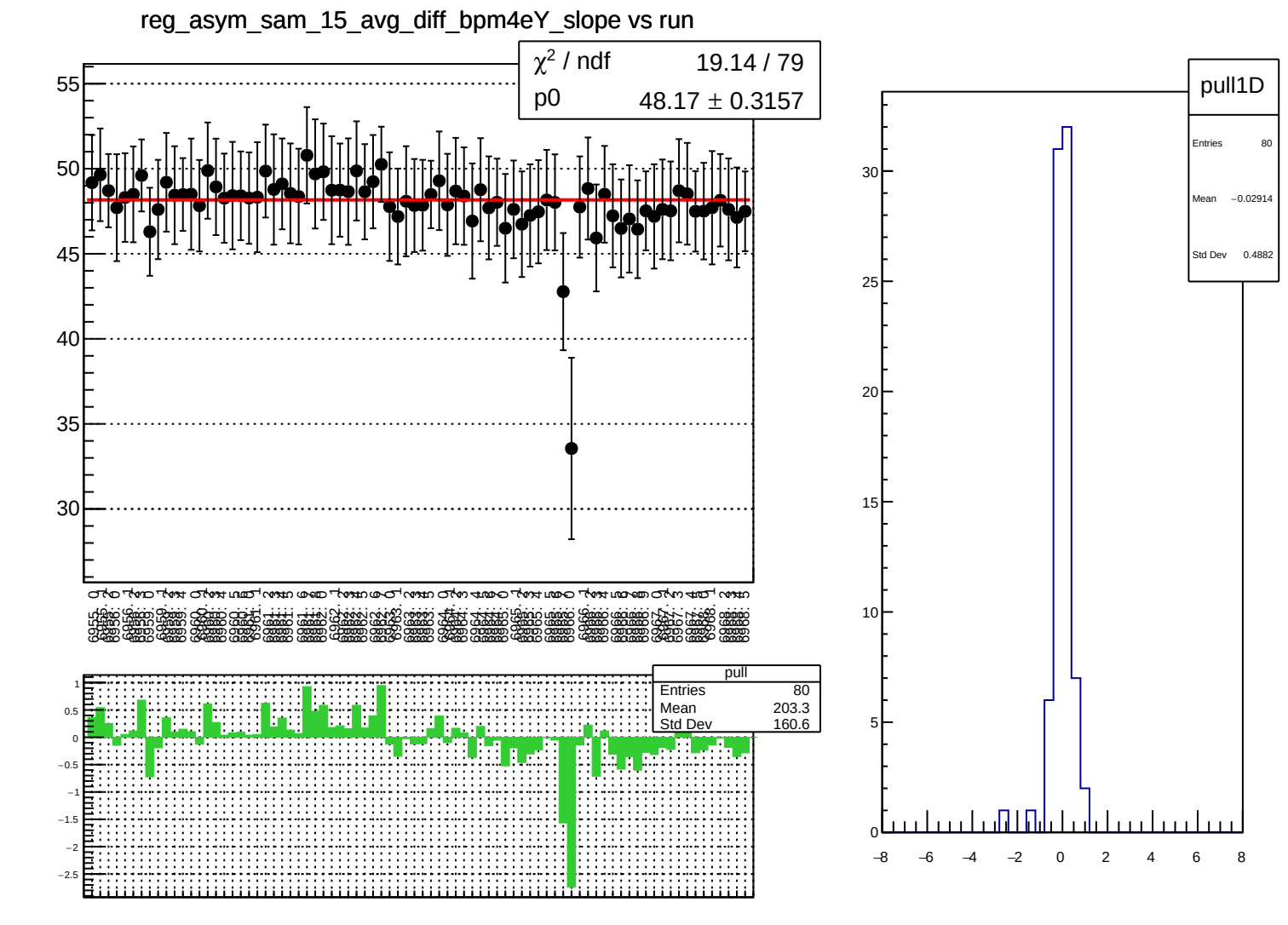

pull1D
Entries 80
Mean −0.003312
Std Dev 0.264

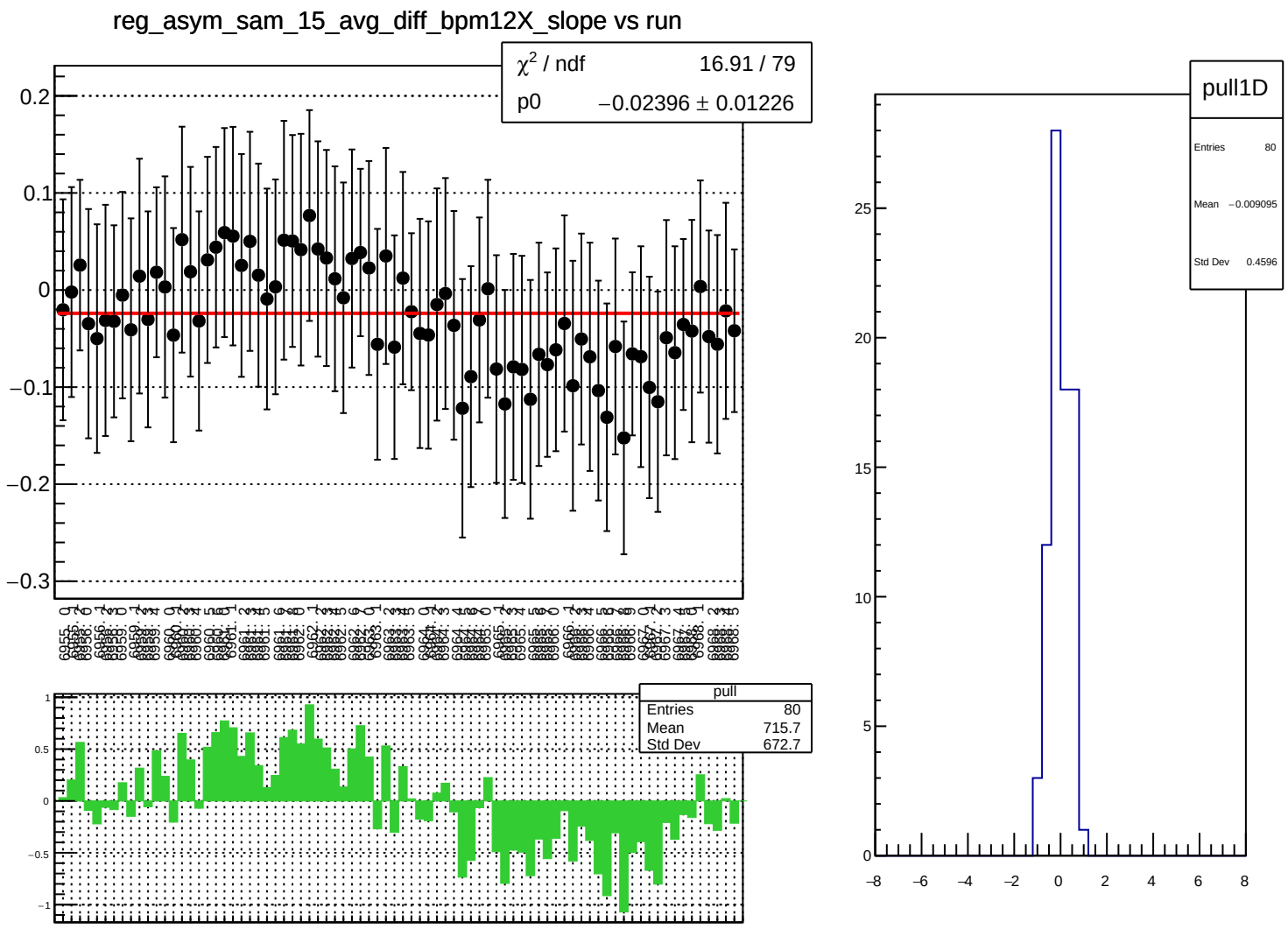

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.48 / 79
p0 1.452 ± 0.2777
pull
Entries 80
Mean 182.8
Std Dev 140.4

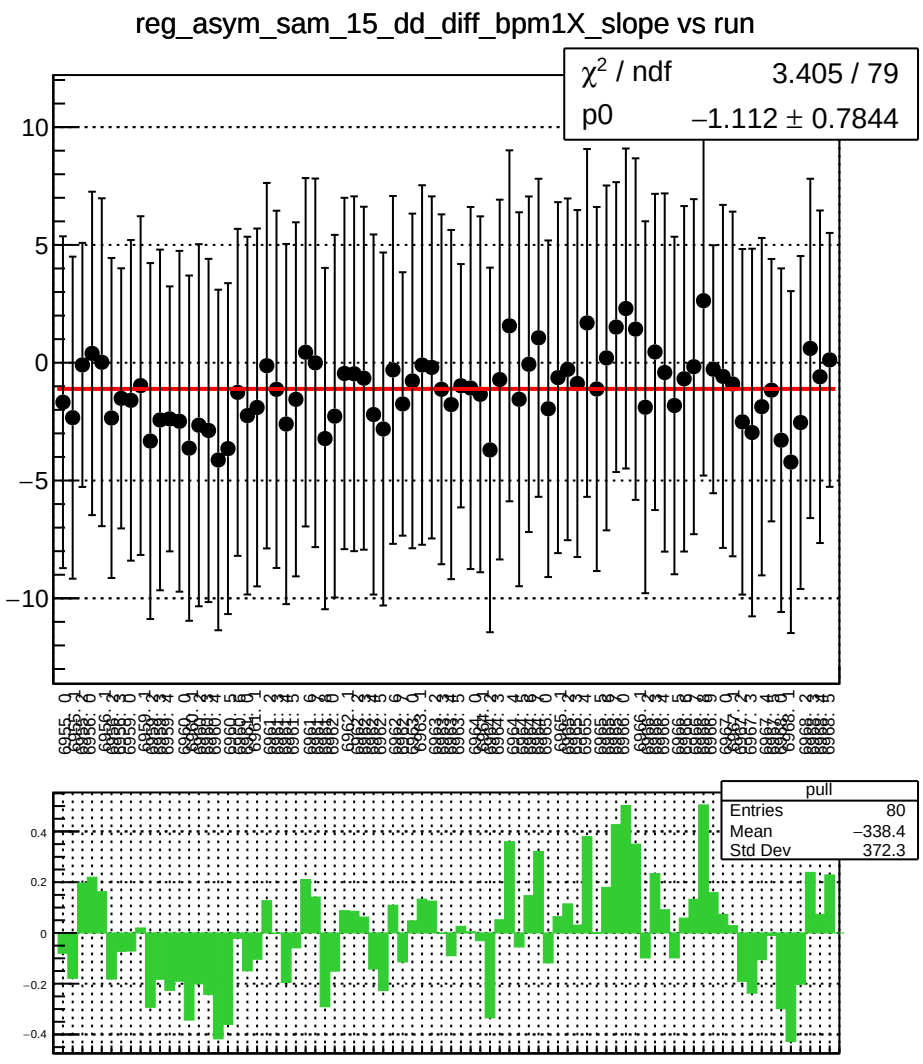

pull1D
Entries 80
Mean 0.04114
Std Dev 0.5165

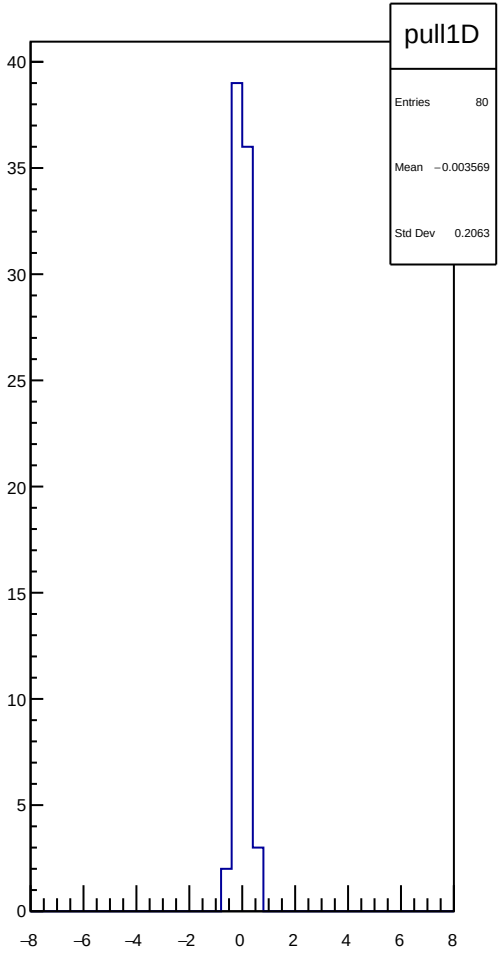

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.029 / 79
p0 0.9494 ± 0.3727
pull
Entries 80
Mean 887.5
Std Dev 858.3

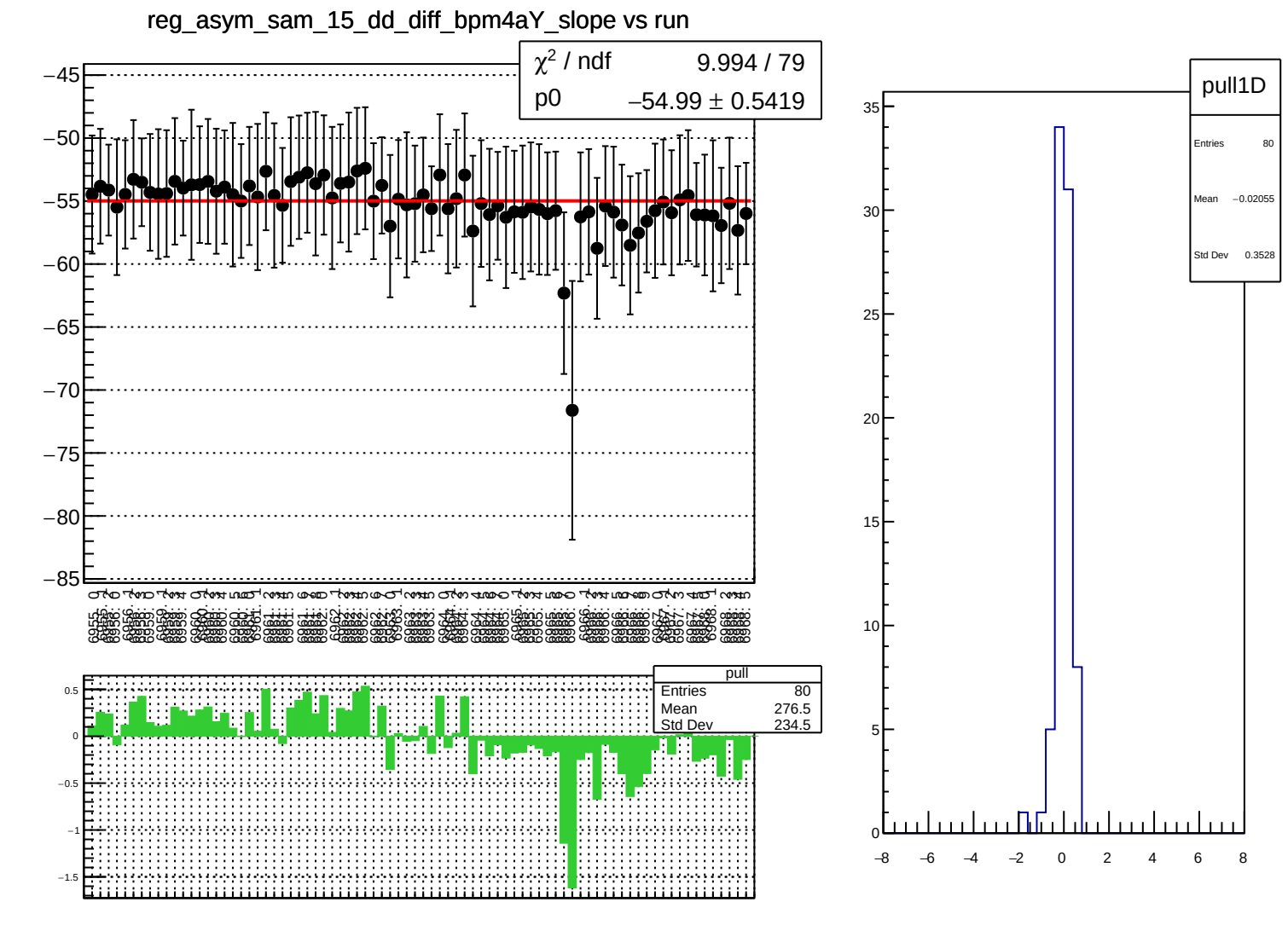

pull1D
Entries 80
Mean 0.002706
Std Dev 0.2745

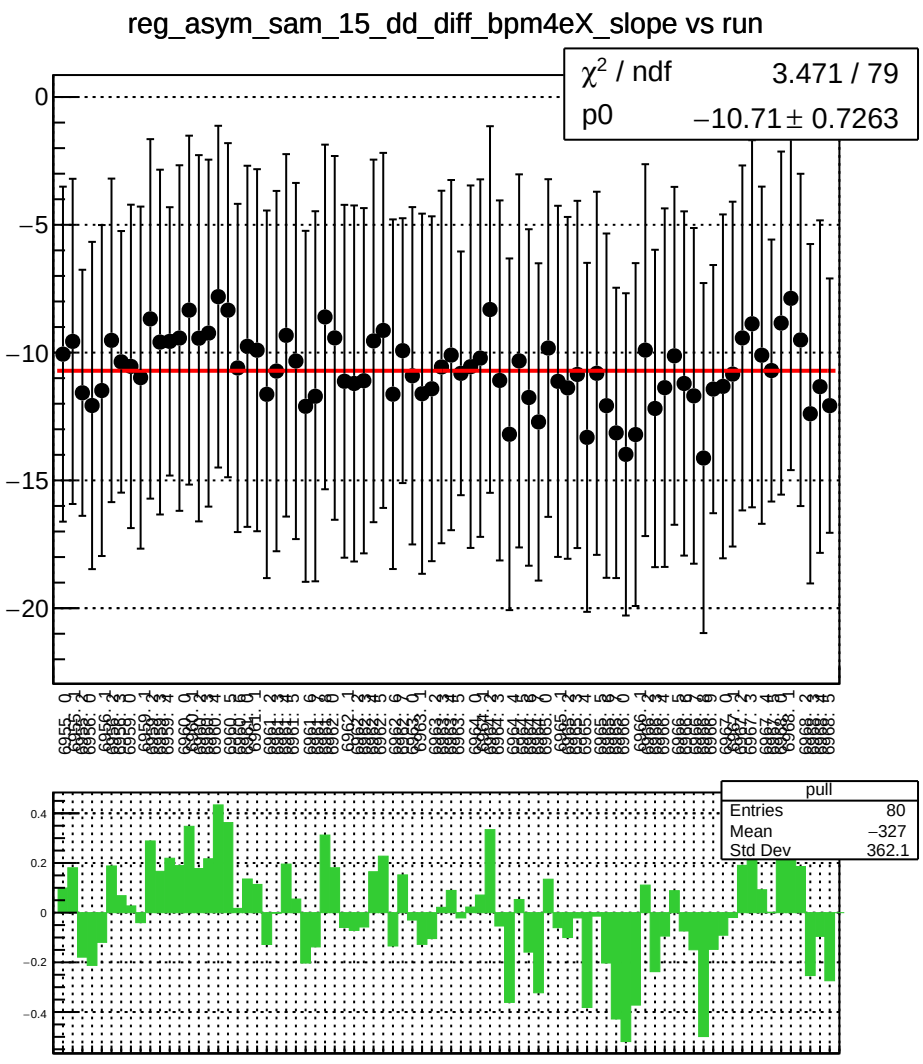

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.14 / 79
p0 48.17 ± 0.3157
pull
Entries 80
Mean 203.3
Std Dev 160.6
pull1D
Entries 80
Mean −0.02914
Std Dev 0.4882

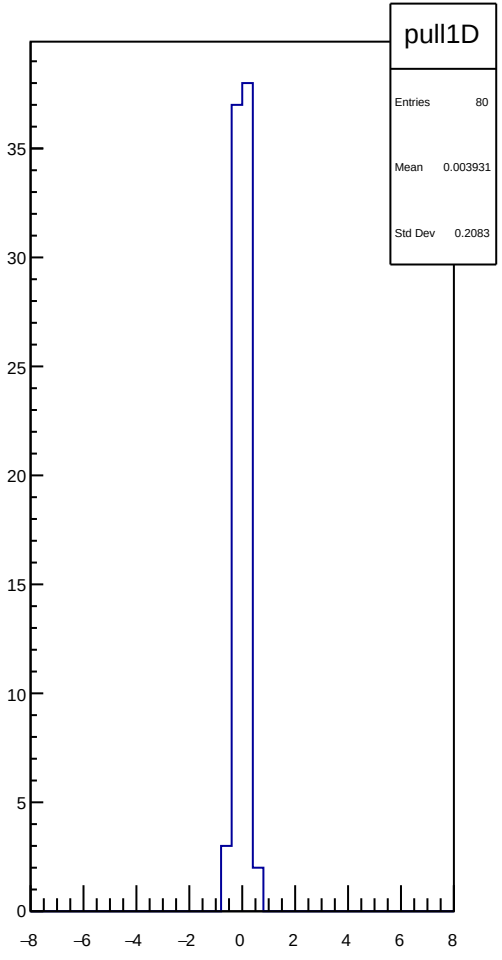

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 16.91 / 79
p0 −0.02396 ± 0.01226
pull
Entries 80
Mean 715.7
Std Dev 672.7
pull1D
Entries 80
Mean −0.009095
Std Dev 0.4596

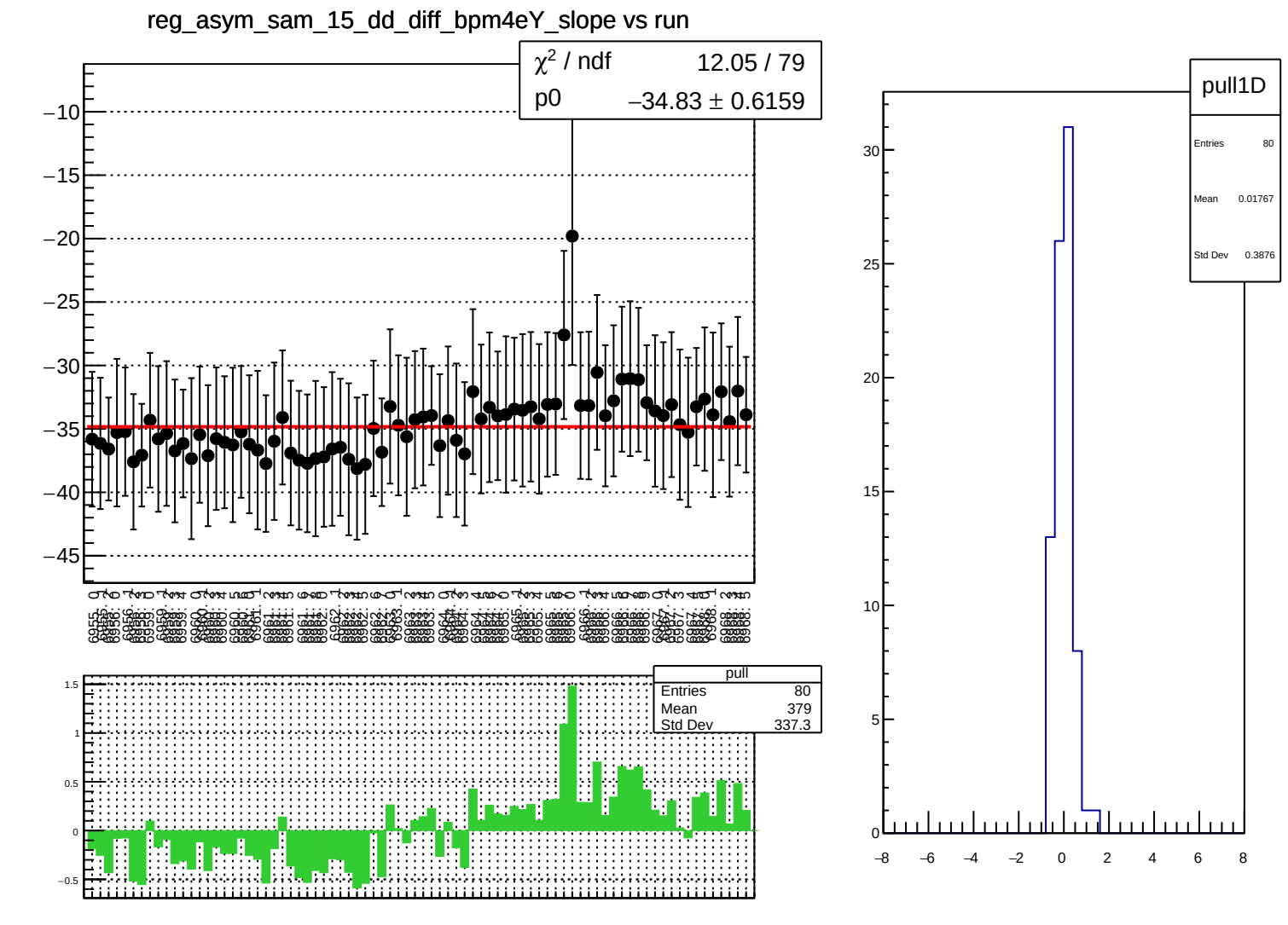

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.405 / 79
p0 −1.112 ± 0.7844
pull
Entries 80
Mean −338.4
Std Dev 372.3

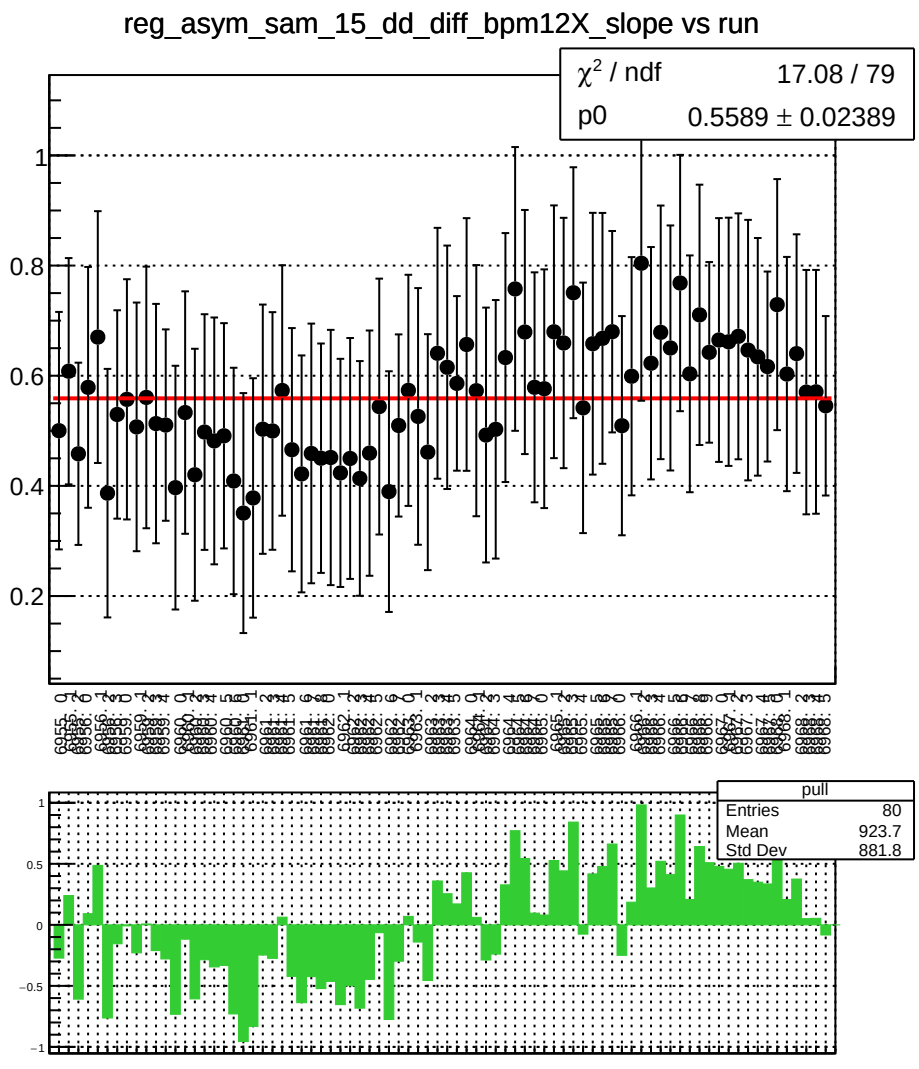

pull1D
Entries 80
Mean −0.003569
Std Dev 0.2063

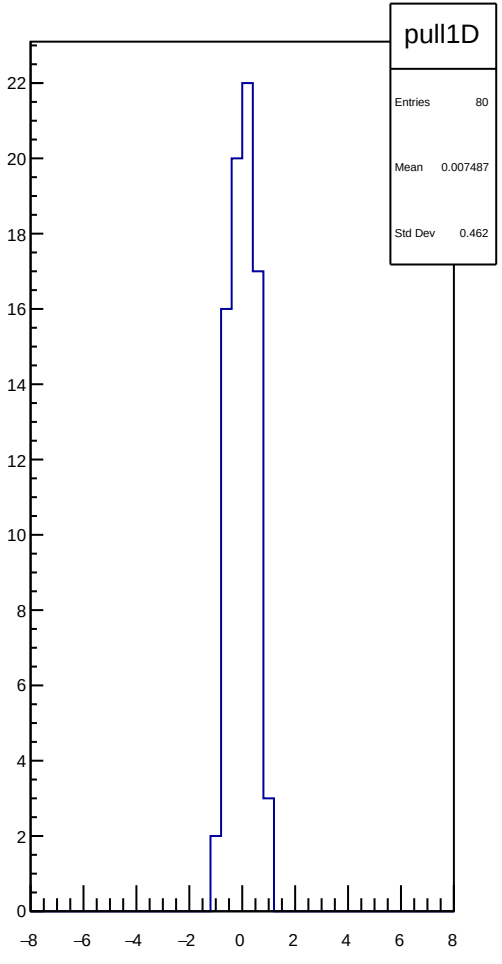

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.994 / 79
p0 −54.99 ± 0.5419
pull
Entries 80
Mean 276.5
Std Dev 234.5
pull1D
Entries 80
Mean −0.02055
Std Dev 0.3528

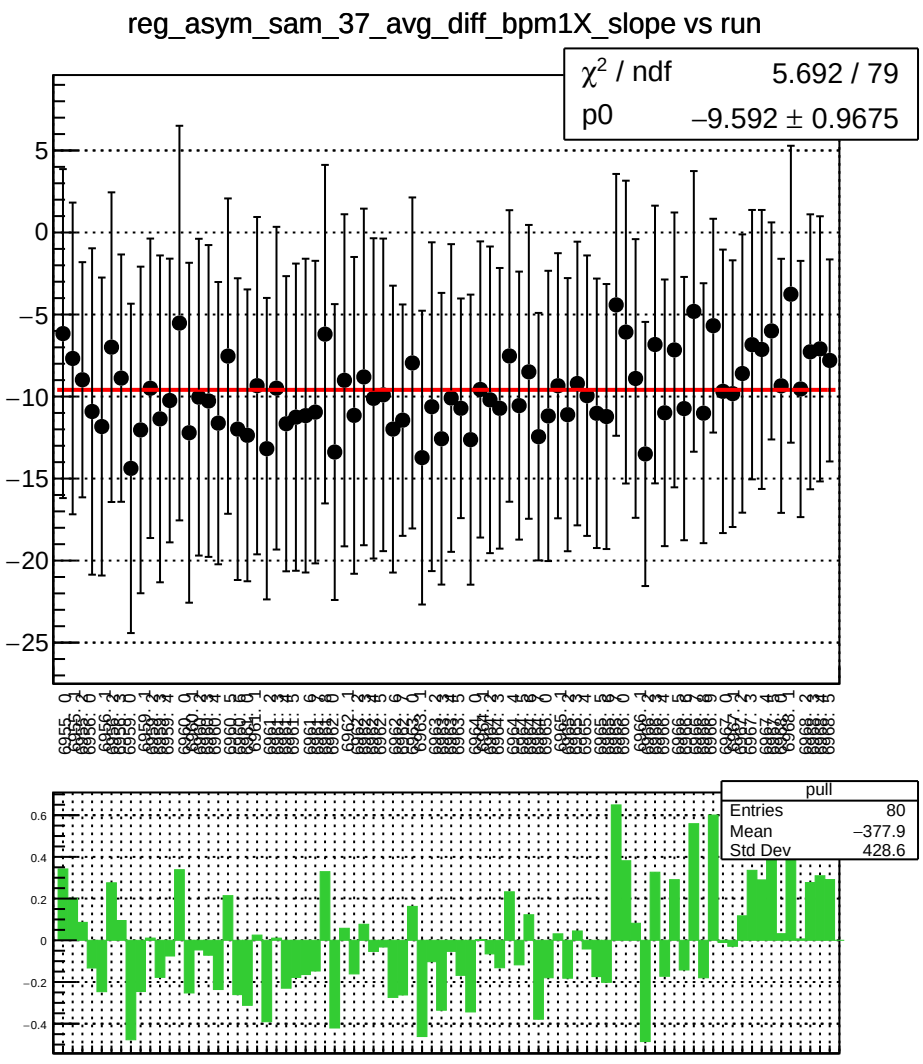

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.471 / 79
p0 −10.71 ± 0.7263
pull
Entries 80
Mean −327
Std Dev 362.1

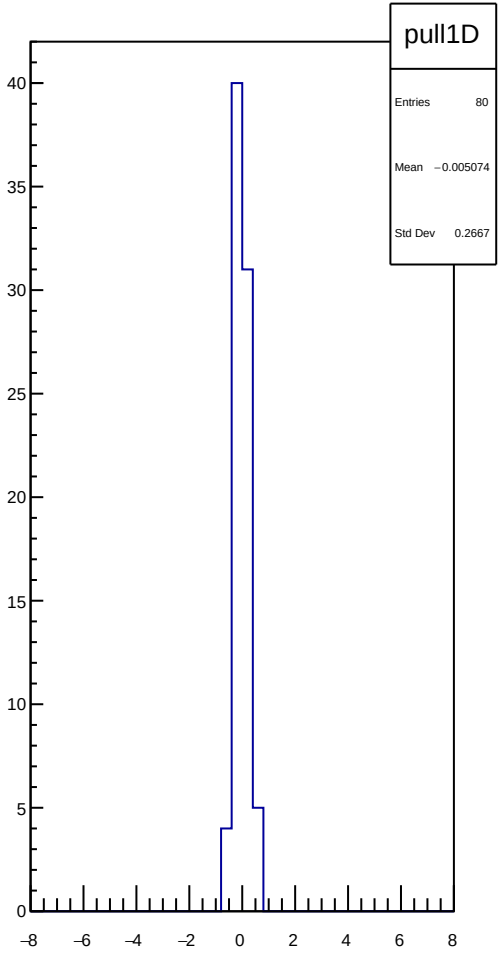

pull1D
Entries 80
Mean 0.003931
Std Dev 0.2083

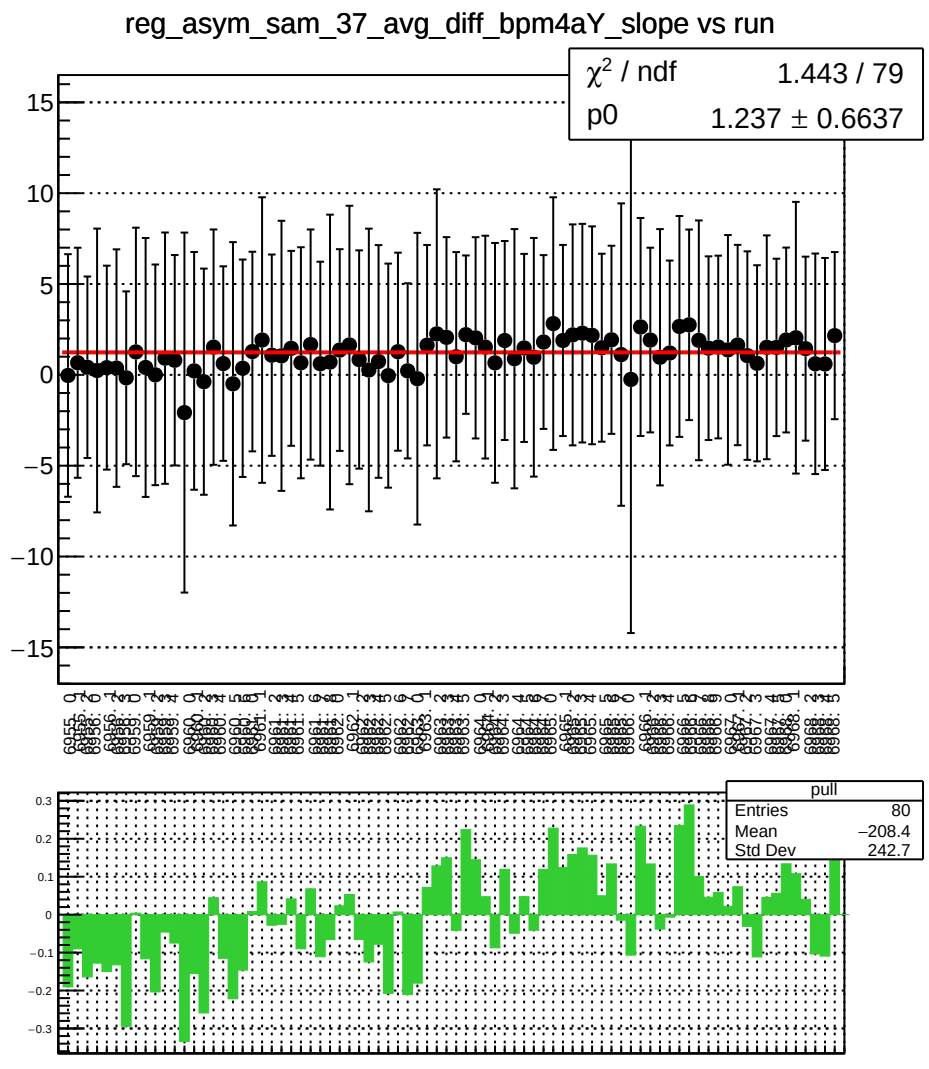

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.05 / 79
p0 −34.83 ± 0.6159
pull
Entries 80
Mean 379
Std Dev 337.3
pull1D
Entries 80
Mean 0.01767
Std Dev 0.3876

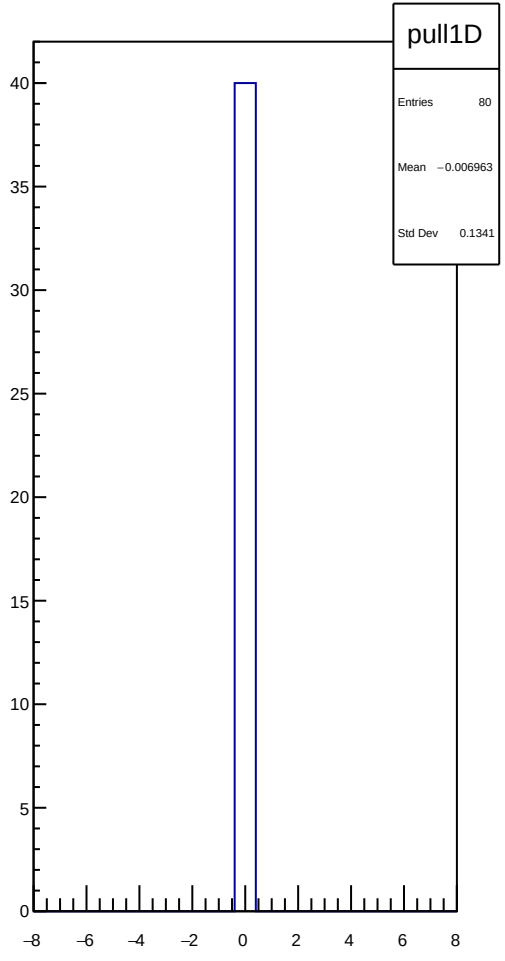

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 17.08 / 79
p0 0.5589 ± 0.02389
pull
Entries 80
Mean 923.7
Std Dev 881.8

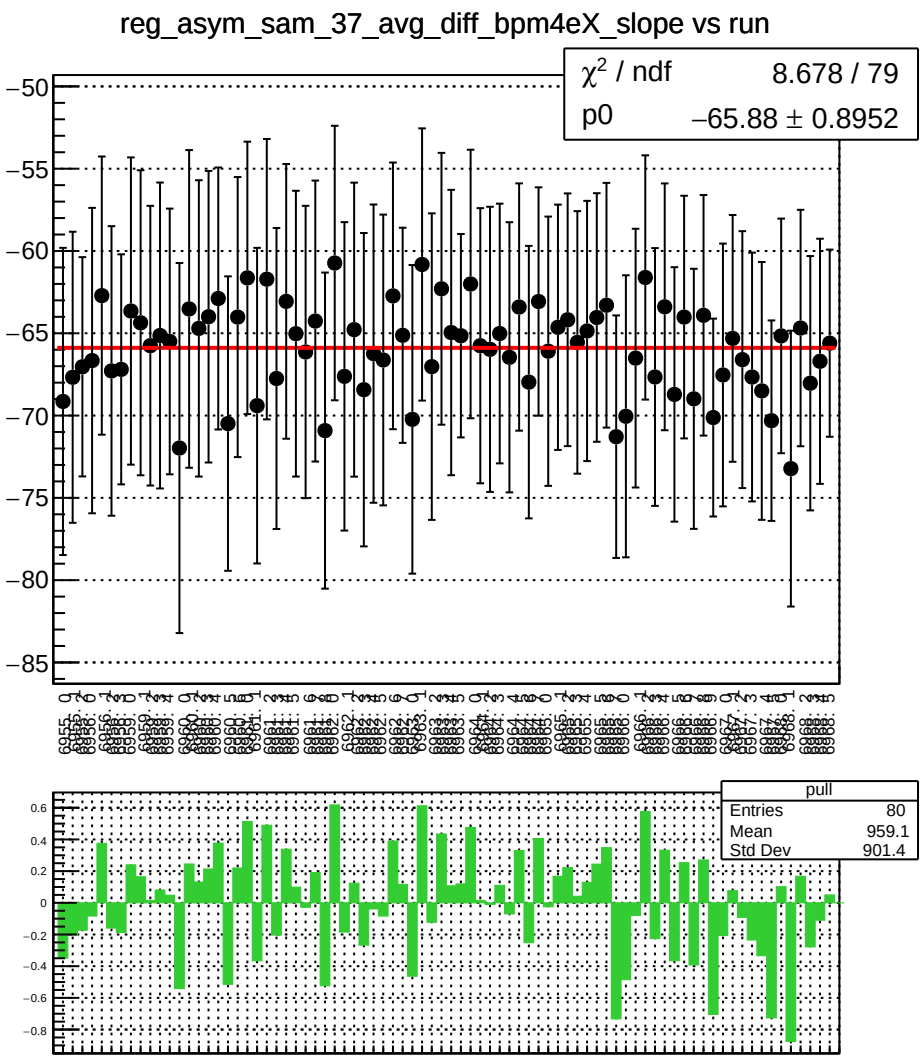

pull1D
Entries 80
Mean 0.007487
Std Dev 0.462

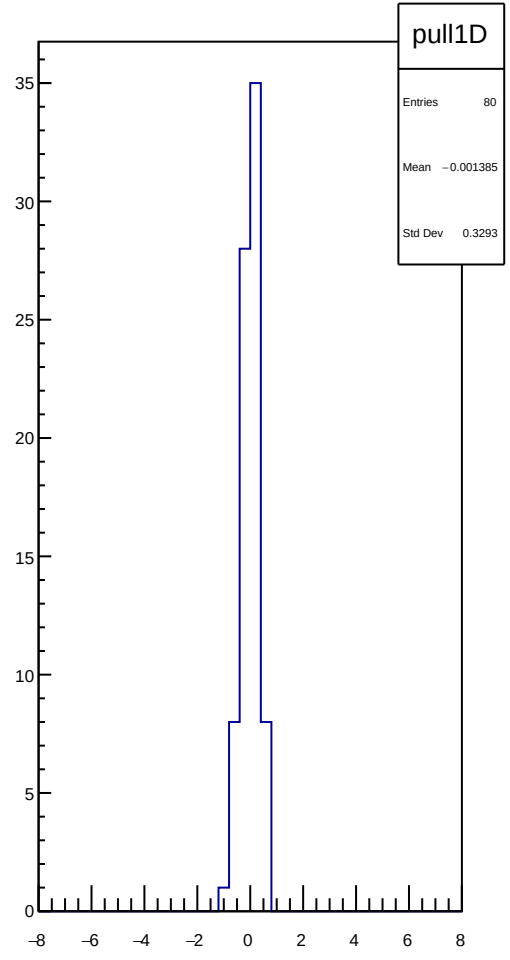

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 5.692 / 79
p0 −9.592 ± 0.9675
pull
Entries 80
Mean −377.9
Std Dev 428.6

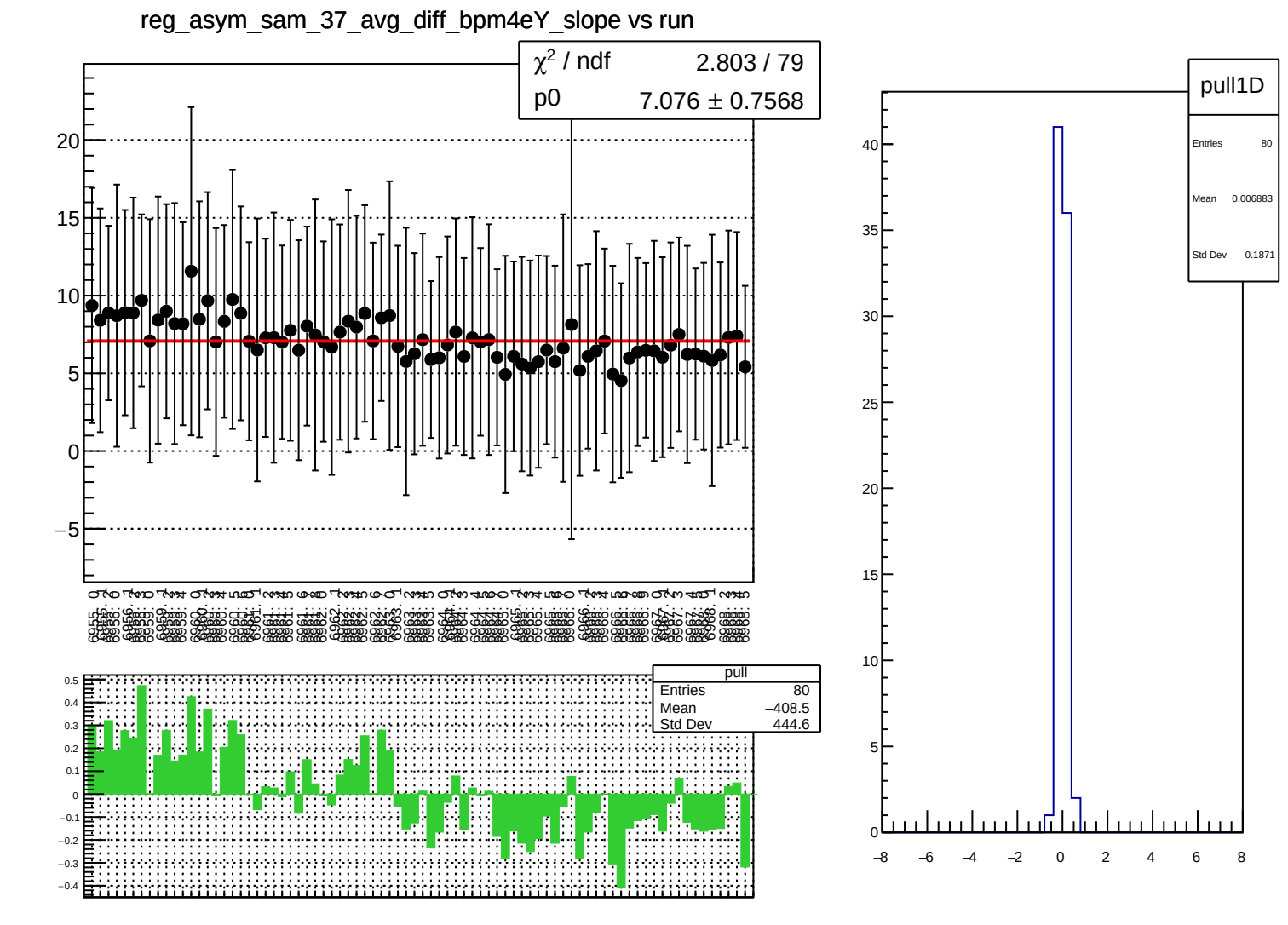

pull1D
Entries 80
Mean −0.005074
Std Dev 0.2667

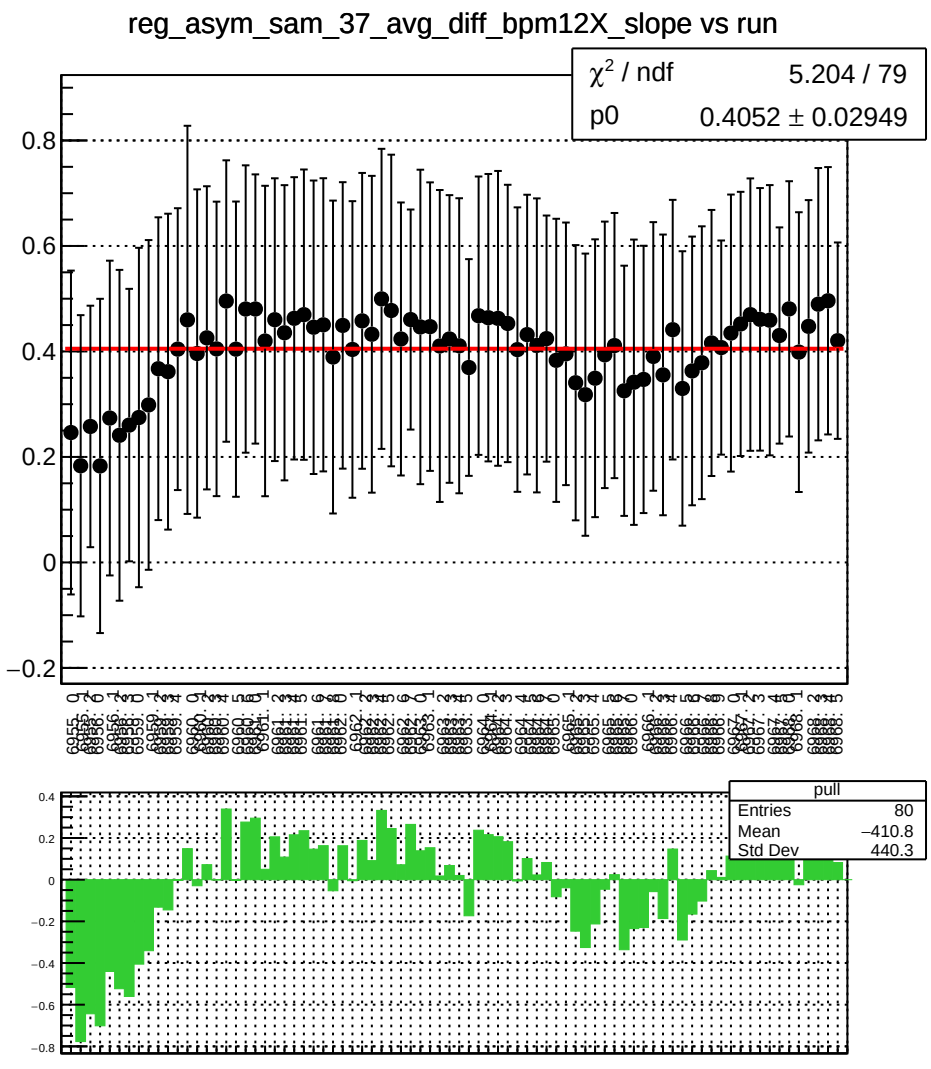

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.443 / 79
p0 1.237 ± 0.6637
pull
Entries 80
Mean −208.4
Std Dev 242.7

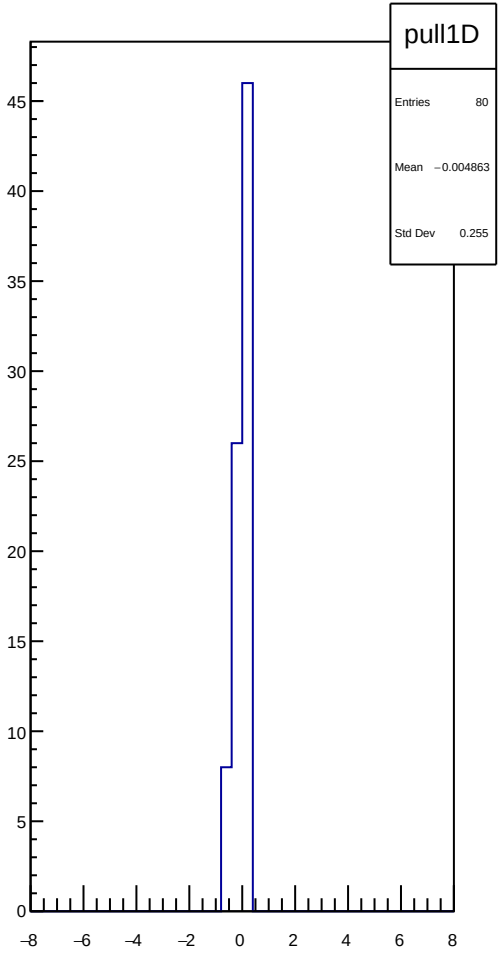

pull1D
Entries 80
Mean −0.006963
Std Dev 0.1341

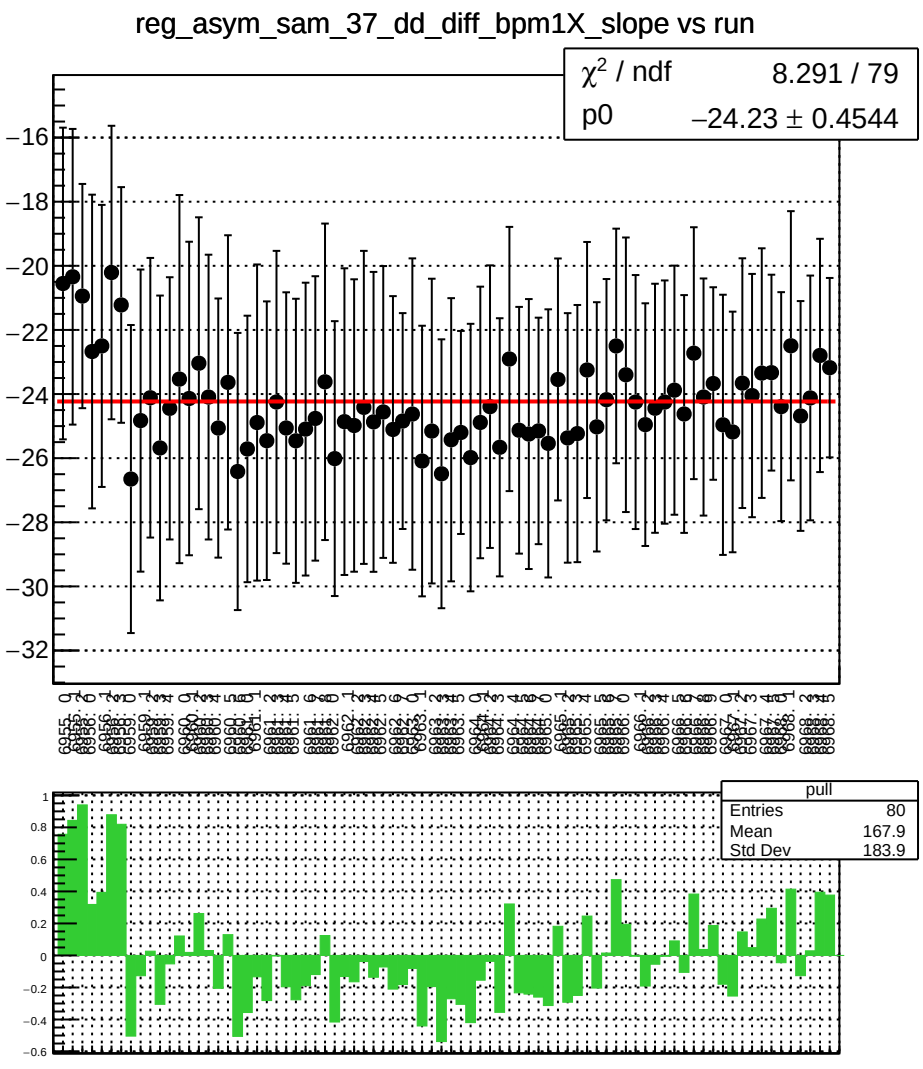

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.678 / 79
p0 −65.88 ± 0.8952
pull
Entries 80
Mean 959.1
Std Dev 901.4

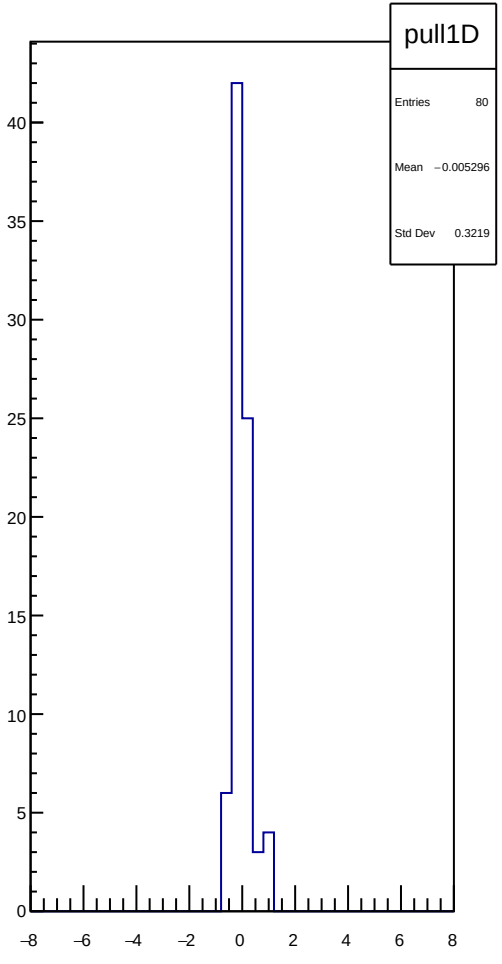

pull1D
Entries 80
Mean −0.001385
Std Dev 0.3293

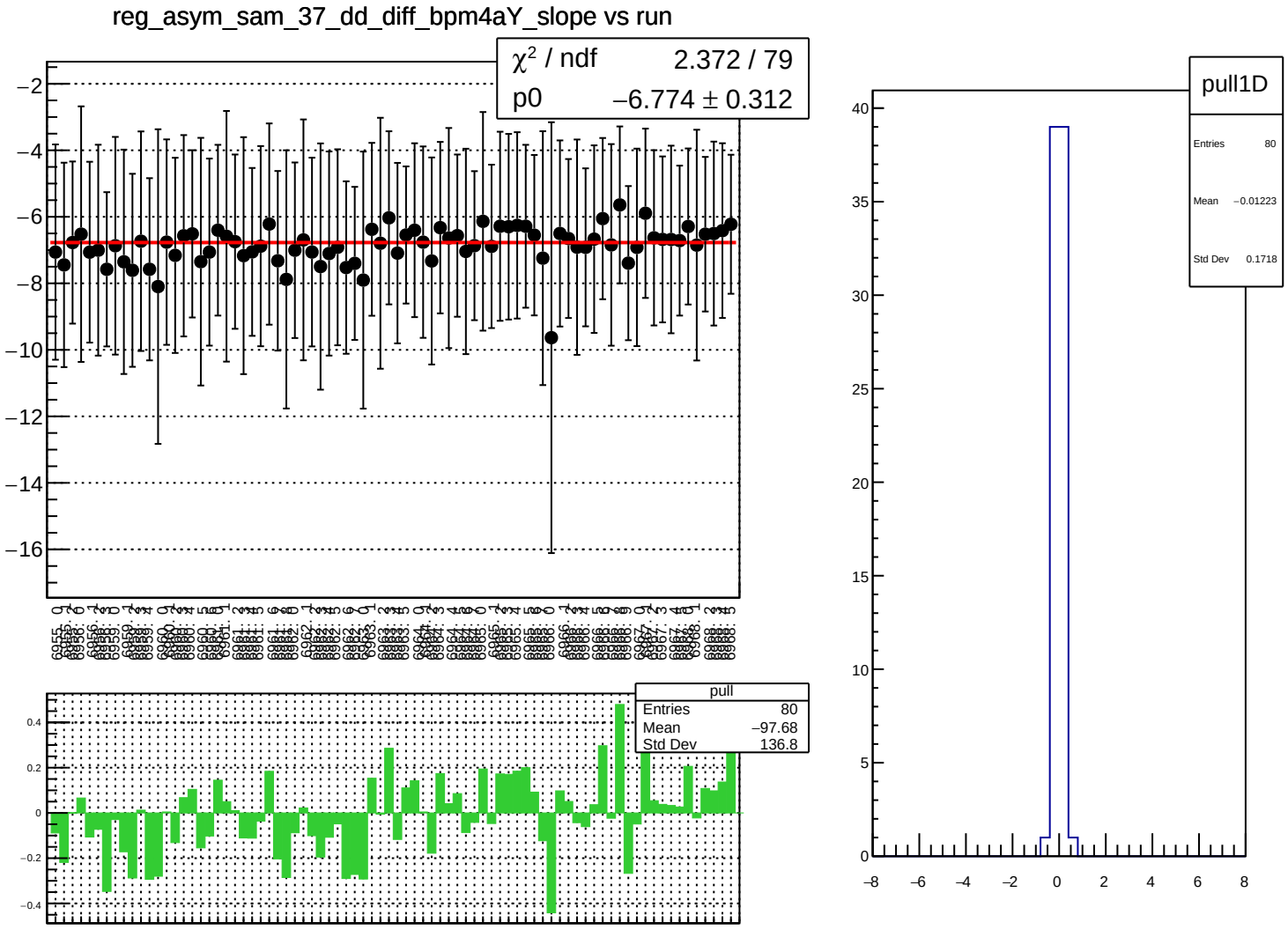

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.803 / 79
p0 7.076 ± 0.7568
pull
Entries 80
Mean −408.5
Std Dev 444.6
pull1D
Entries 80
Mean 0.006883
Std Dev 0.1871

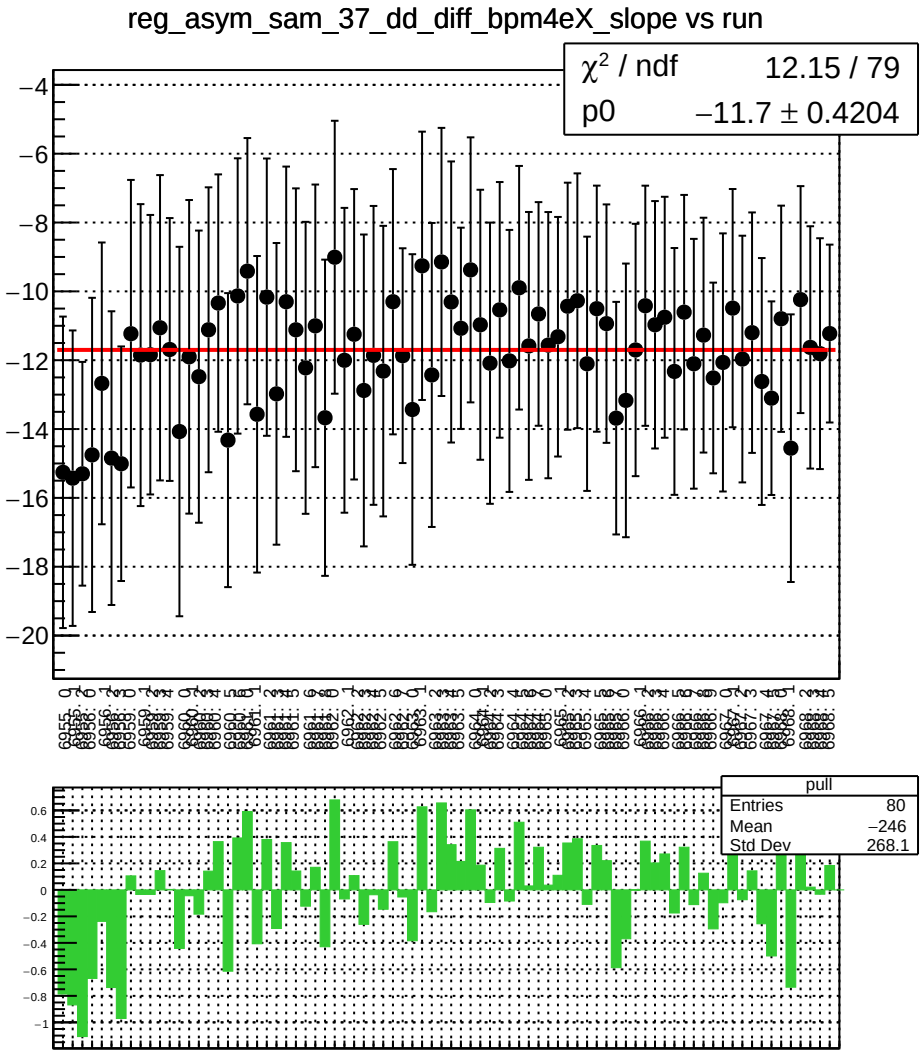

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.204 / 79
p0 0.4052 ± 0.02949
pull
Entries 80
Mean −410.8
Std Dev 440.3

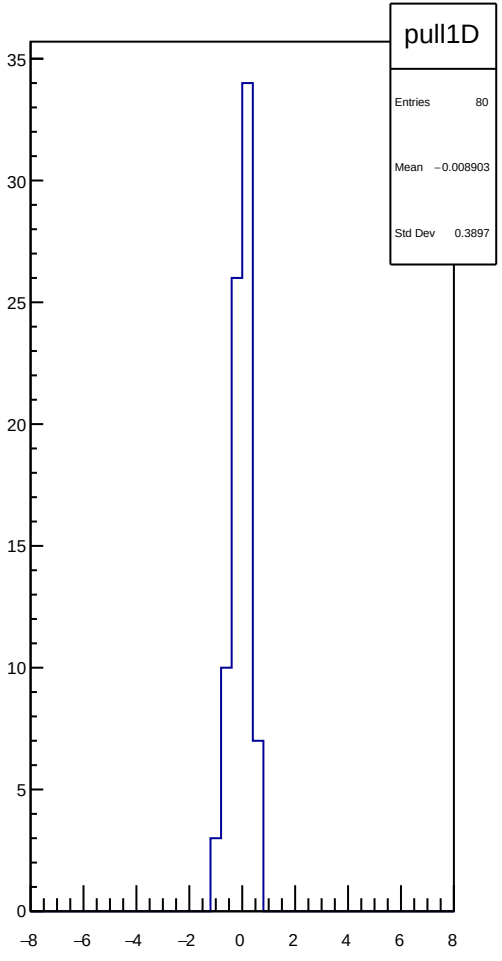

pull1D
Entries 80
Mean −0.004863
Std Dev 0.255

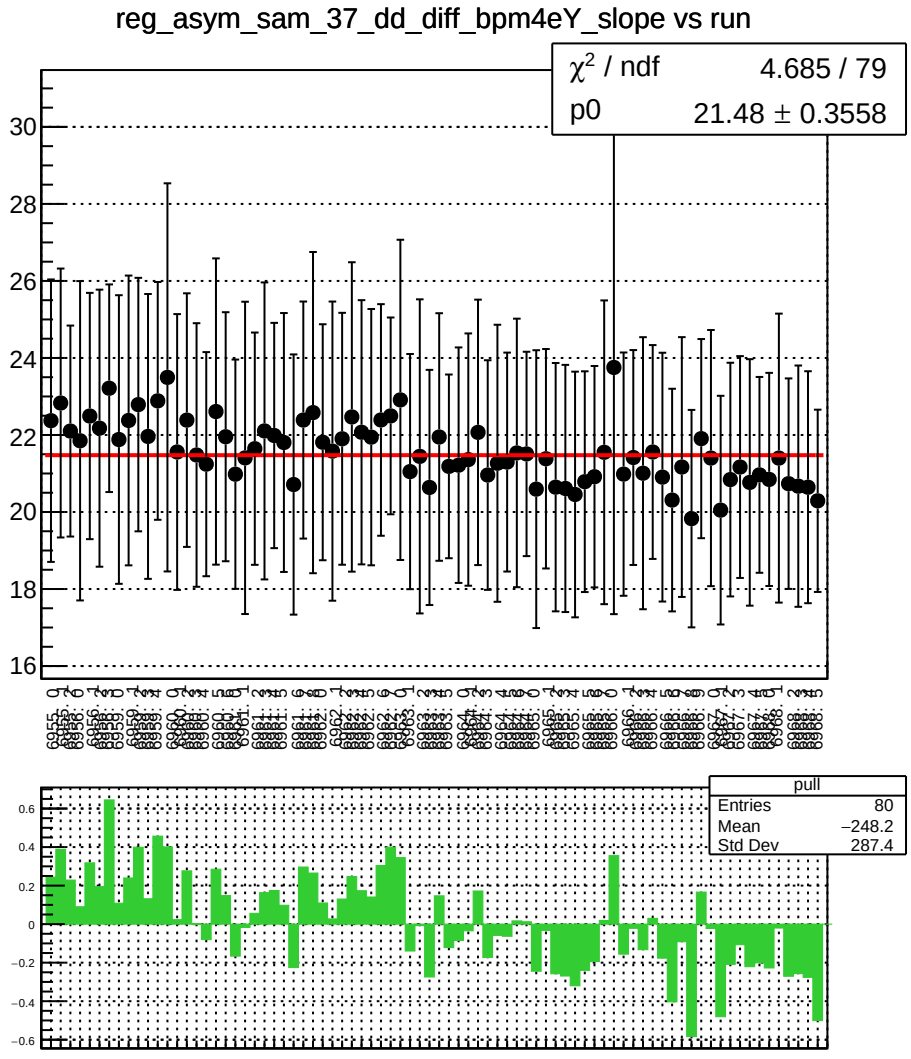

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 8.291 / 79
p0 −24.23 ± 0.4544
pull
Entries 80
Mean 167.9
Std Dev 183.9

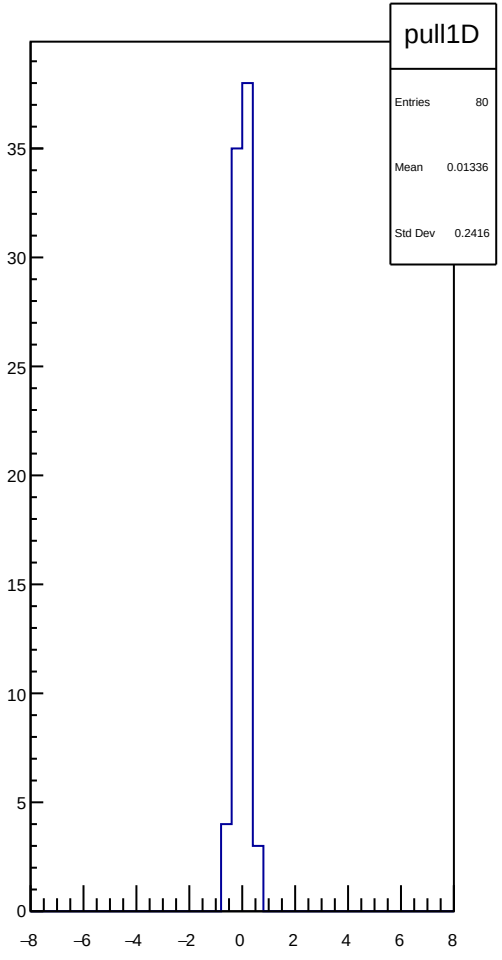

pull1D
Entries 80
Mean −0.005296
Std Dev 0.3219

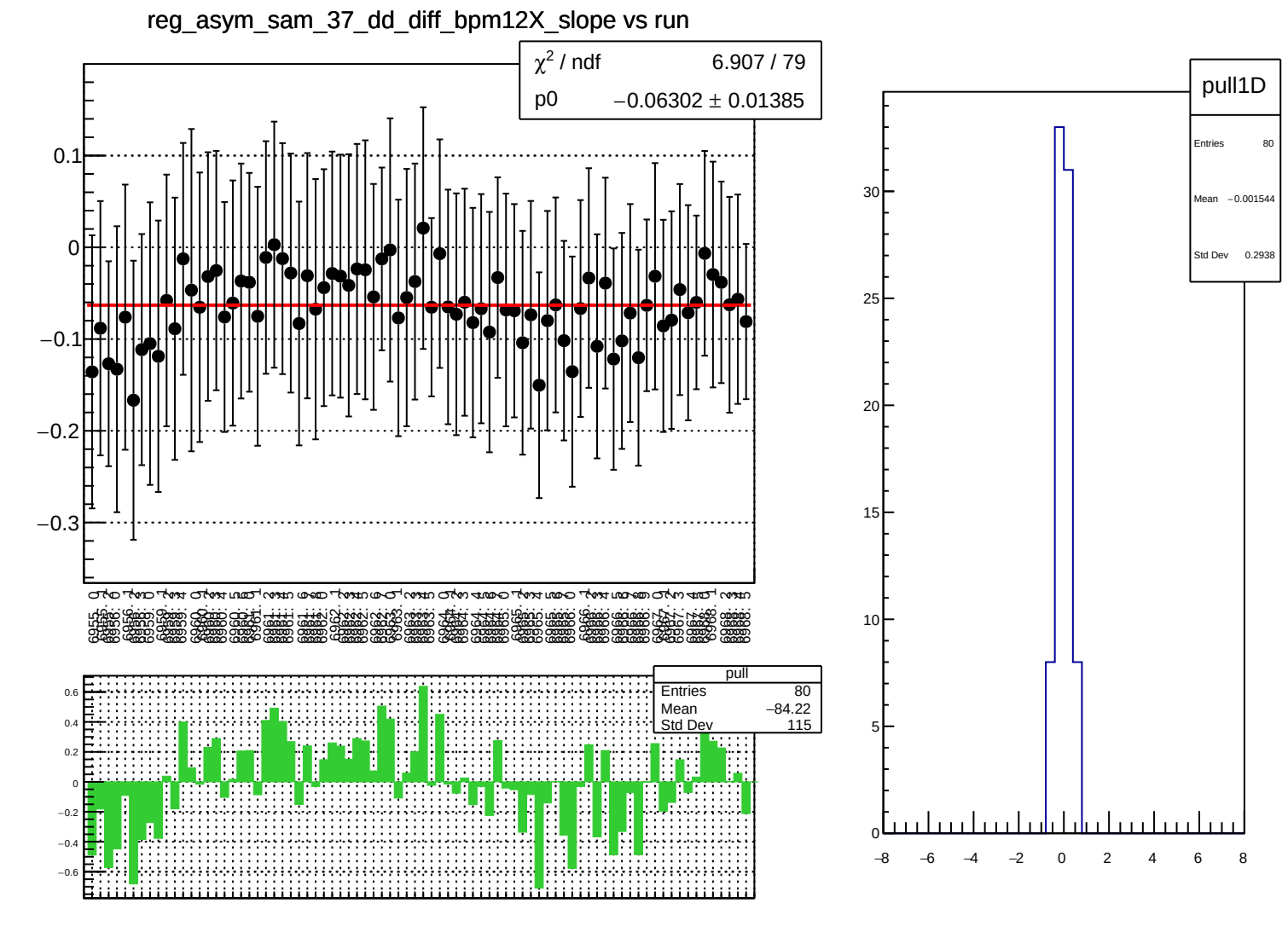

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.372 / 79
p0 −6.774 ± 0.312
pull
Entries 80
Mean −97.68
Std Dev 136.8
pull1D
Entries 80
Mean −0.01223
Std Dev 0.1718

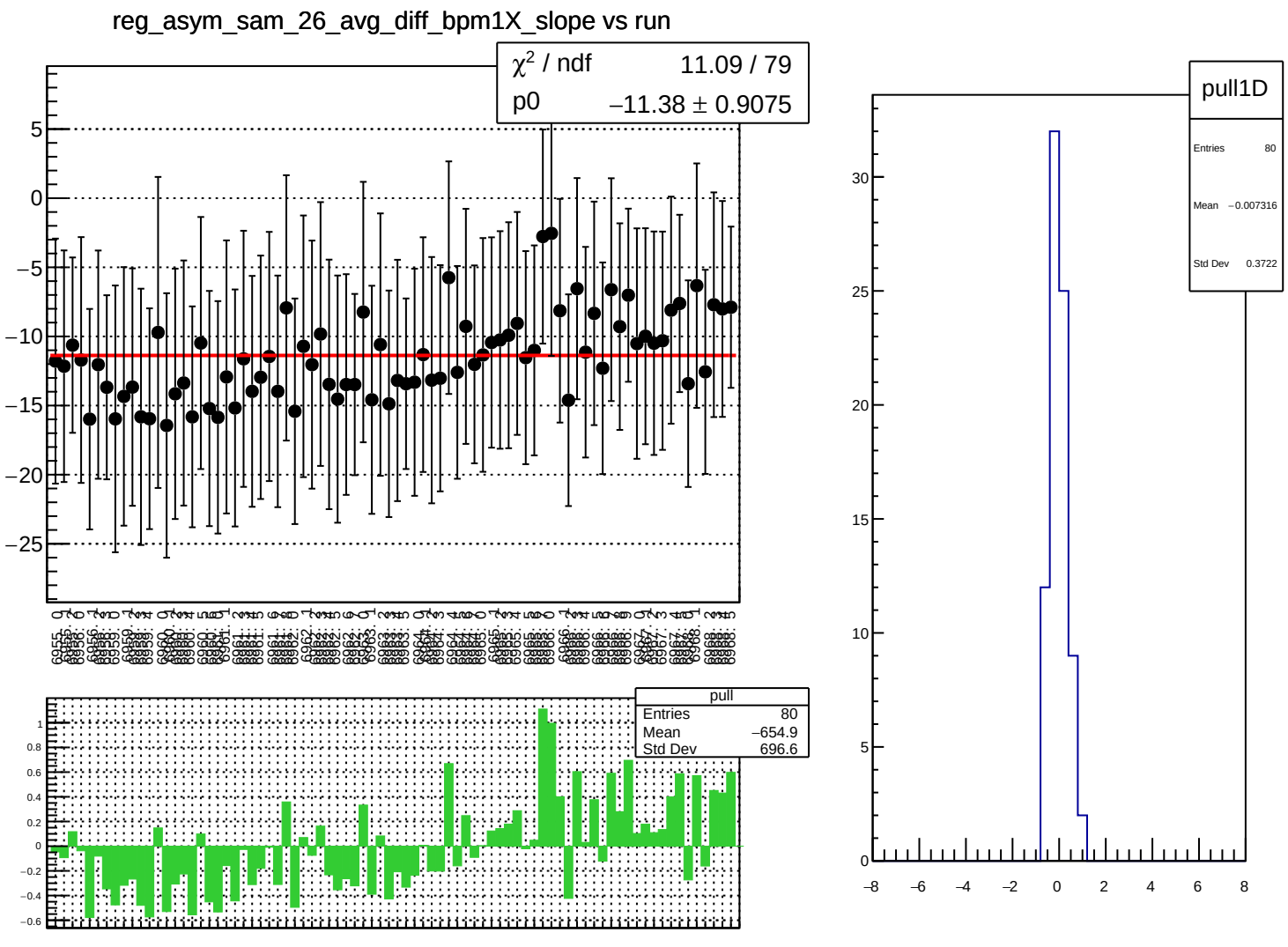

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.15 / 79
p0 −11.7 ± 0.4204
pull
Entries 80
Mean −246
Std Dev 268.1

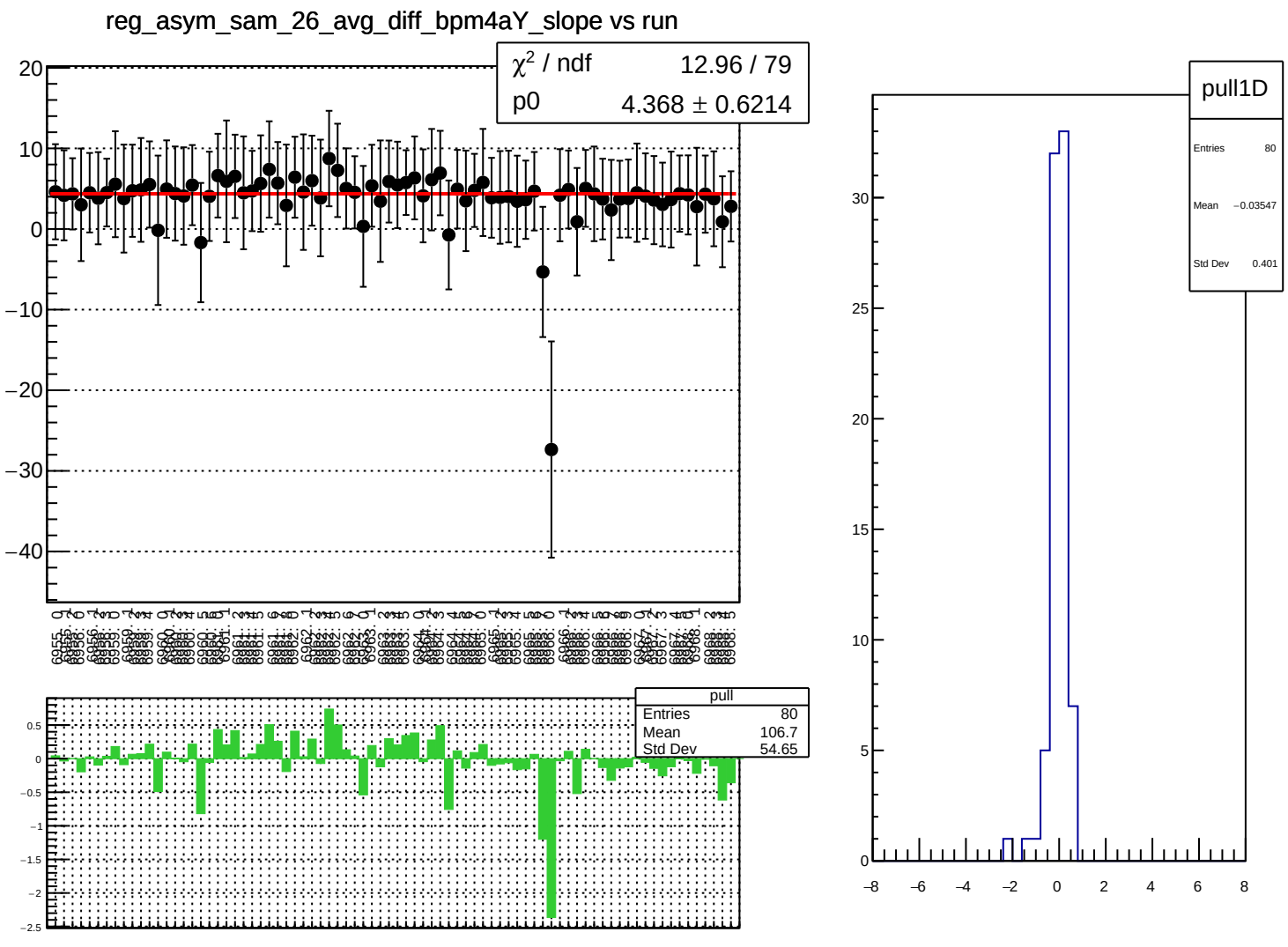

pull1D
Entries 80
Mean −0.008903
Std Dev 0.3897

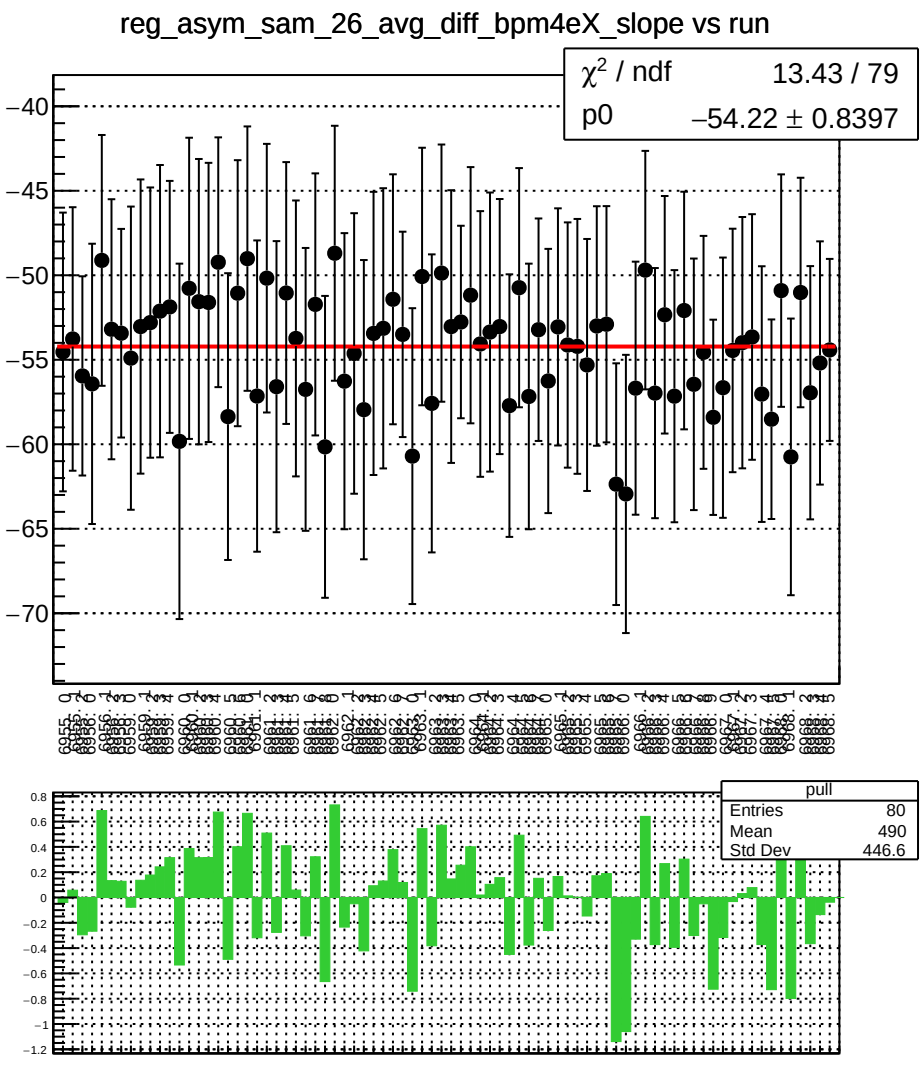

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.685 / 79
p0 21.48 ± 0.3558
pull
Entries 80
Mean −248.2
Std Dev 287.4

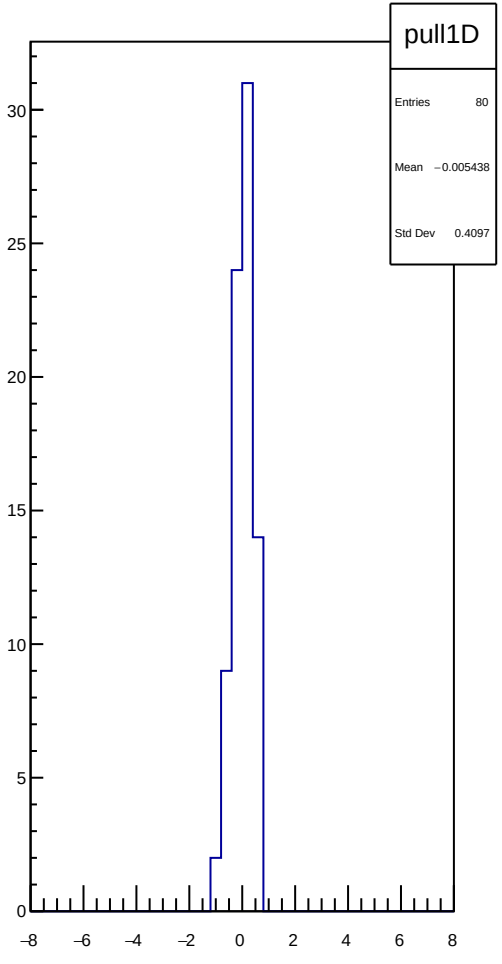

pull1D
Entries 80
Mean 0.01336
Std Dev 0.2416

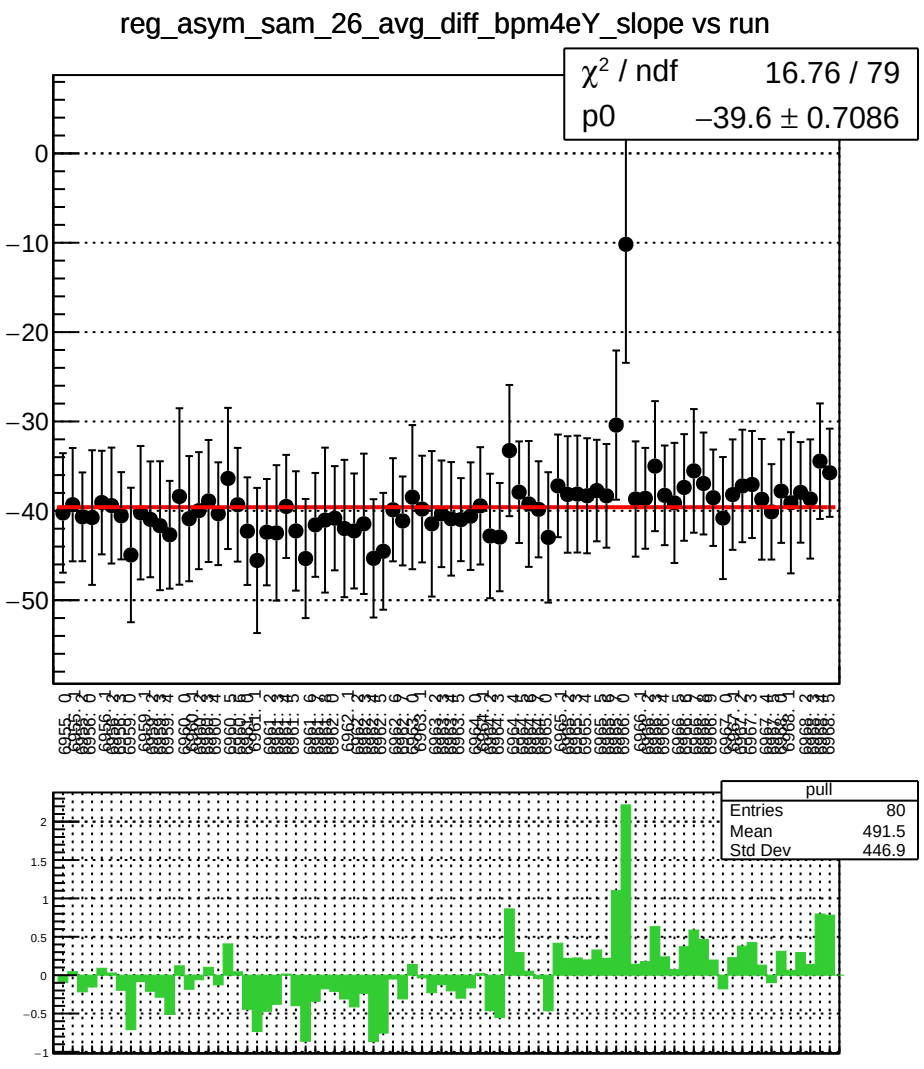

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.907 / 79
p0 −0.06302 ± 0.01385
pull
Entries 80
Mean −84.22
Std Dev 115
pull1D
Entries 80
Mean −0.001544
Std Dev 0.2938

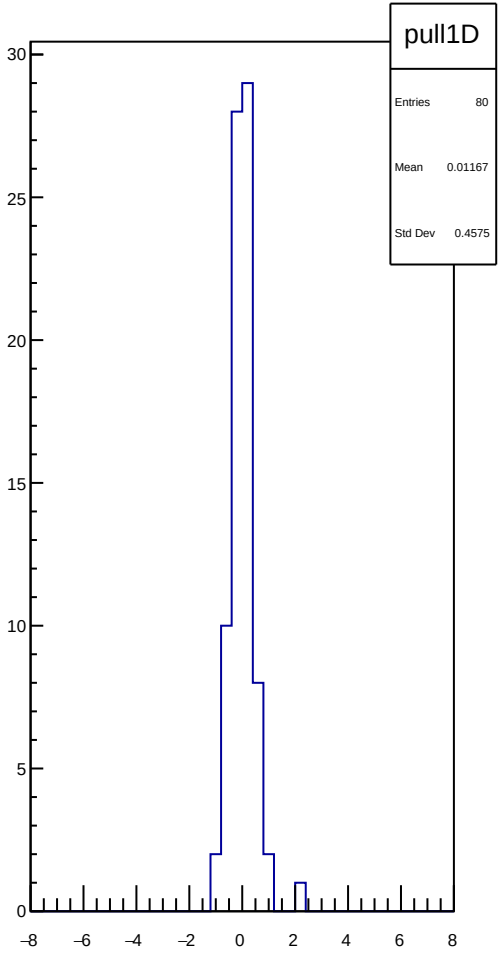

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 11.09 / 79
p0 −11.38 ± 0.9075
pull
Entries 80
Mean −654.9
Std Dev 696.6
pull1D
Entries 80
Mean −0.007316
Std Dev 0.3722

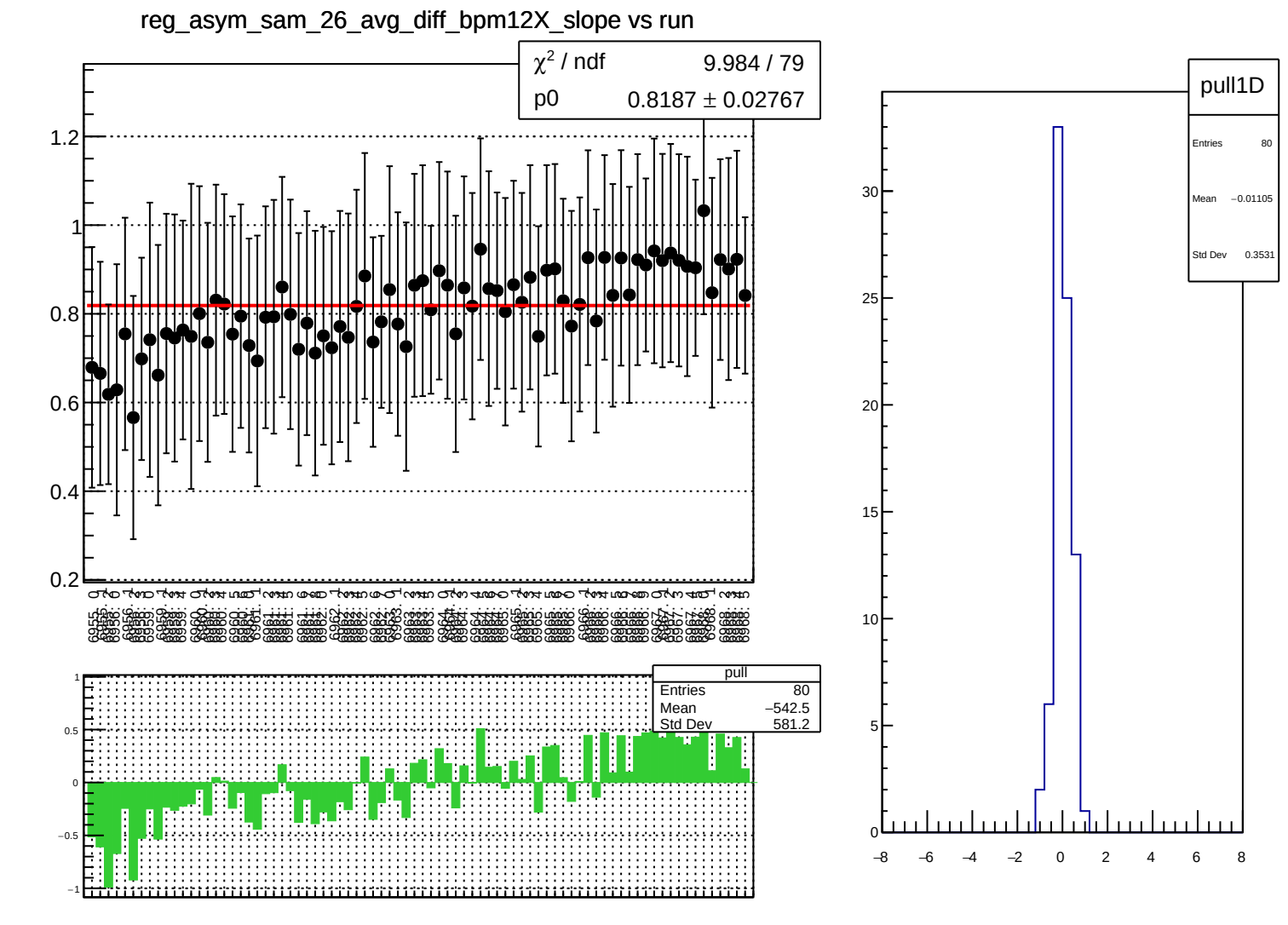

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.96 / 79
p0 4.368 ± 0.6214
pull
Entries 80
Mean 106.7
Std Dev 54.65
pull1D
Entries 80
Mean −0.03547
Std Dev 0.401

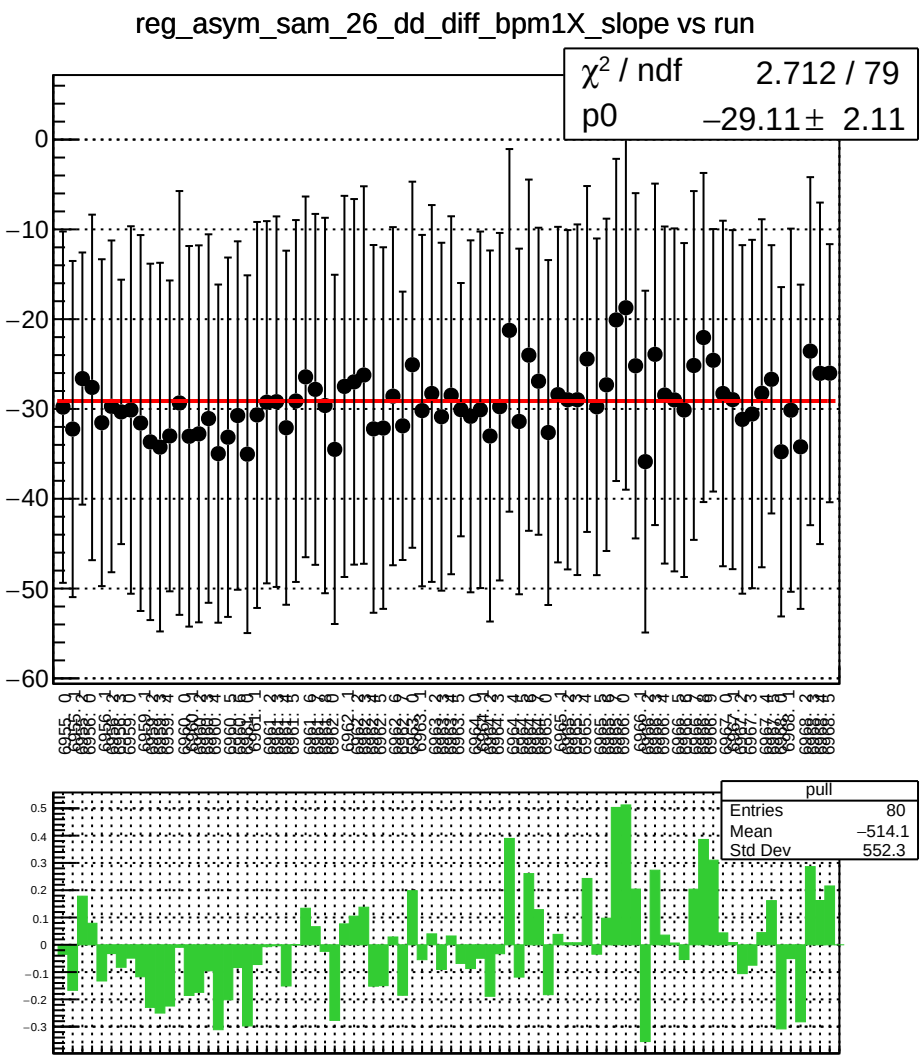

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.43 / 79
p0 −54.22 ± 0.8397
pull
Entries 80
Mean 490
Std Dev 446.6

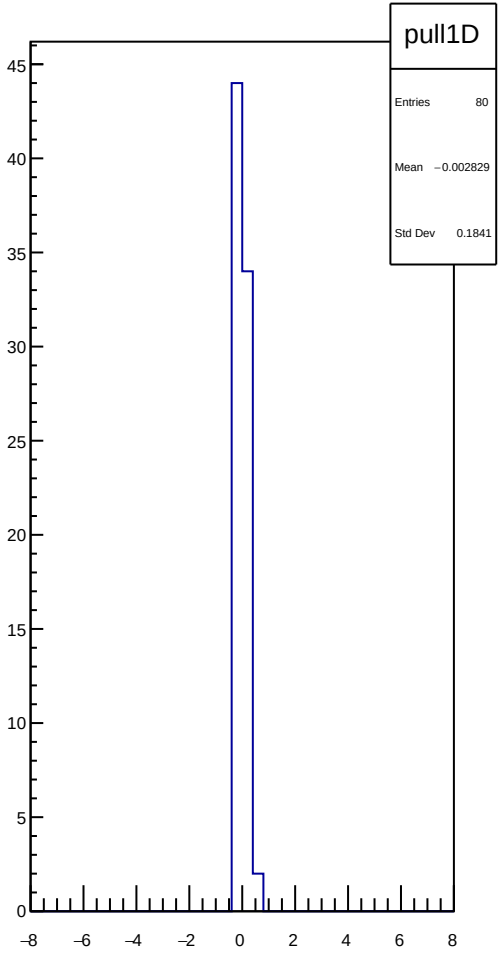

pull1D
Entries 80
Mean −0.005438
Std Dev 0.4097

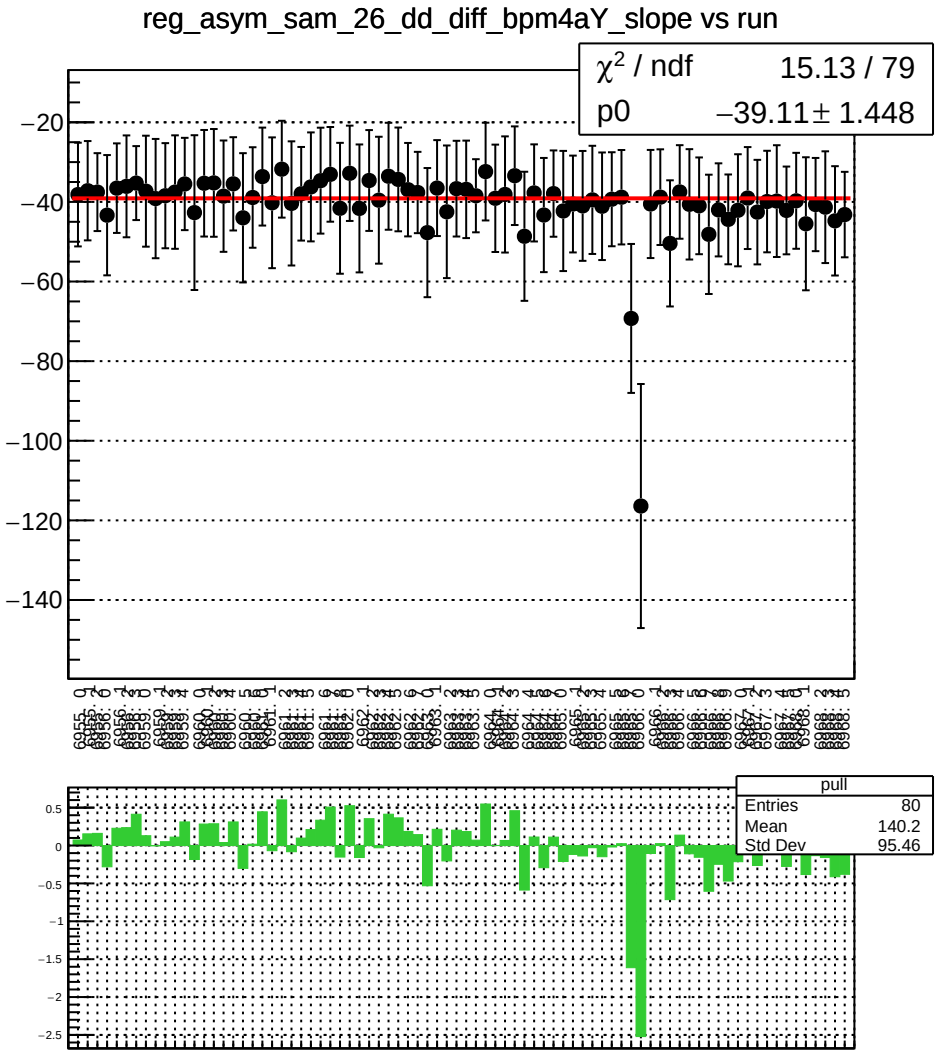

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.76 / 79
p0 −39.6 ± 0.7086
pull
Entries 80
Mean 491.5
Std Dev 446.9

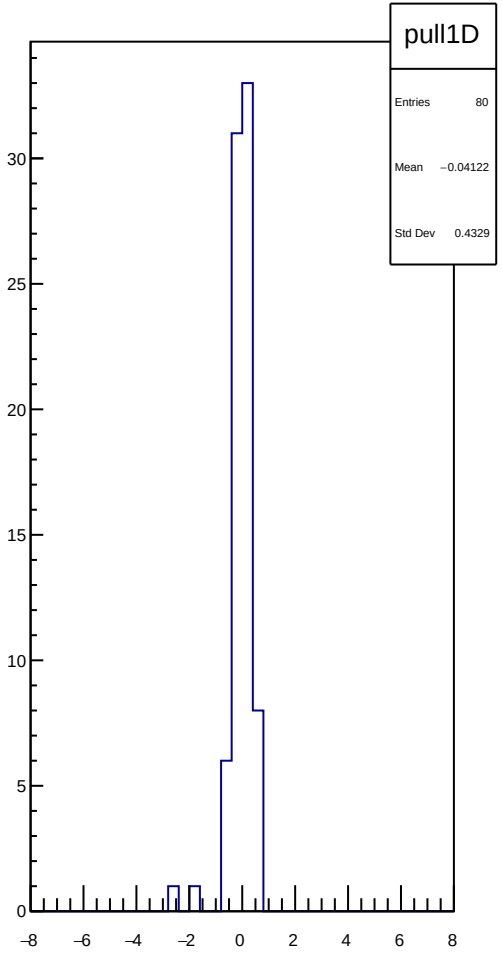

pull1D
Entries 80
Mean 0.01167
Std Dev 0.4575

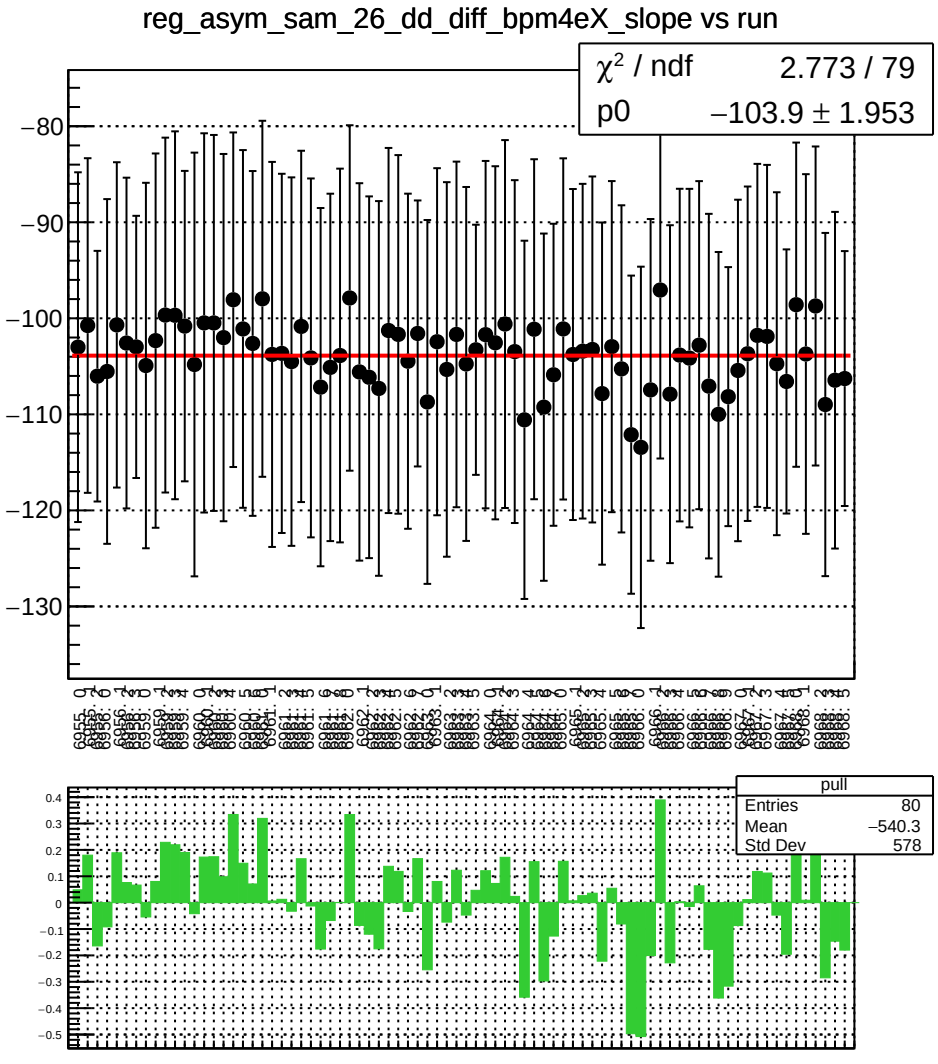

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 9.984 / 79
p0 0.8187 ± 0.02767
pull
Entries 80
Mean −542.5
Std Dev 581.2
pull1D
Entries 80
Mean −0.01105
Std Dev 0.3531

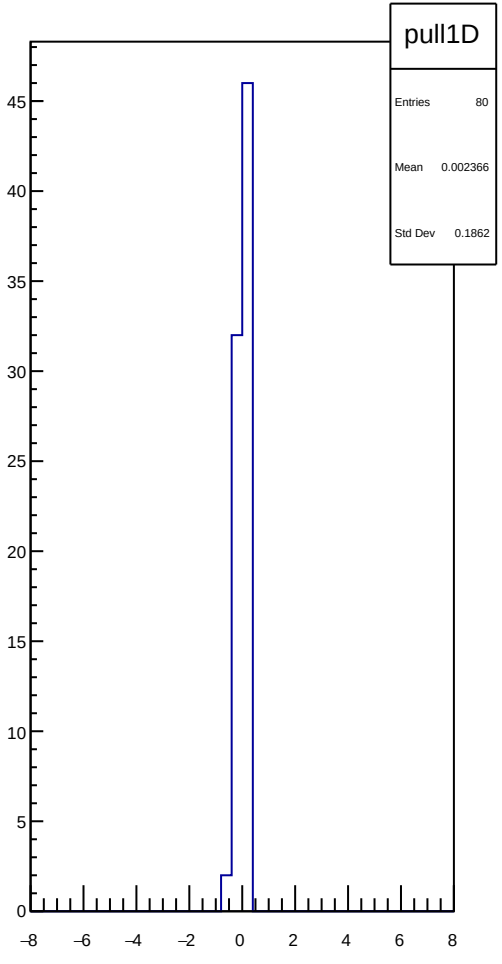

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.712 / 79
p0 −29.11 ± 2.11
pull
Entries 80
Mean −514.1
Std Dev 552.3

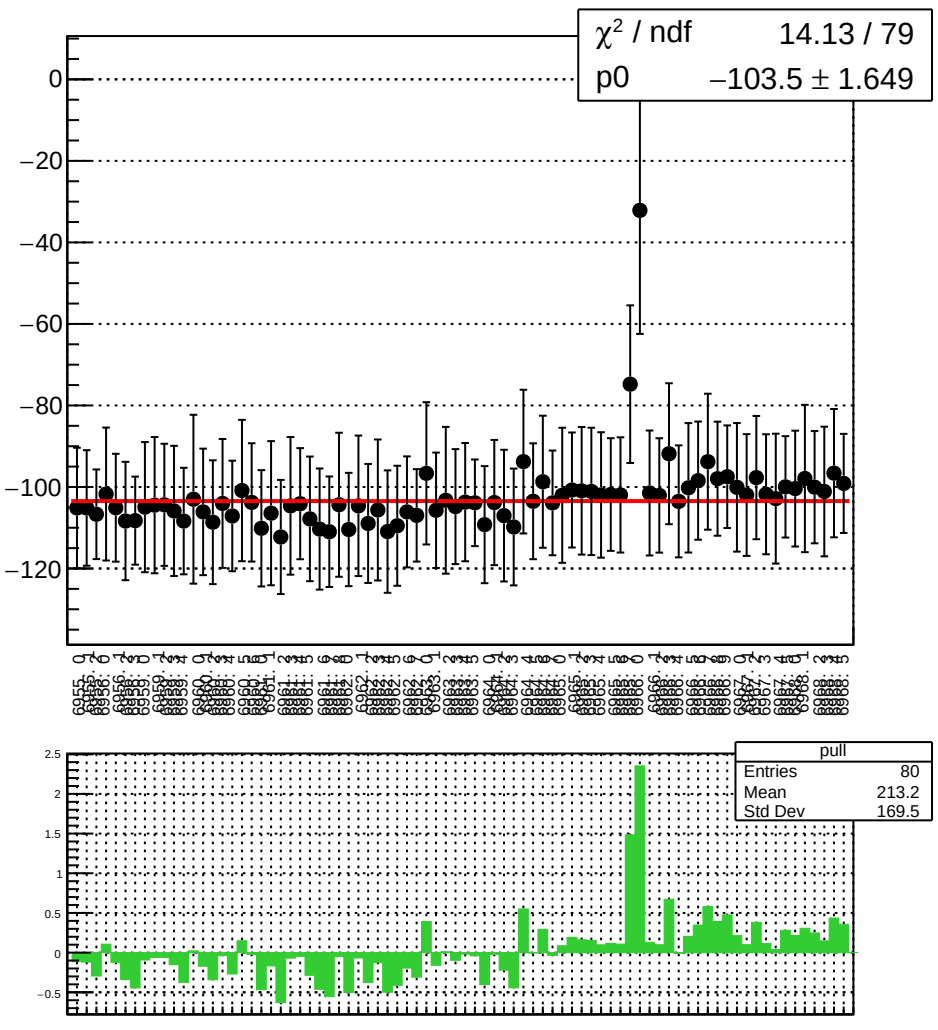

pull1D
Entries 80
Mean −0.002829
Std Dev 0.1841

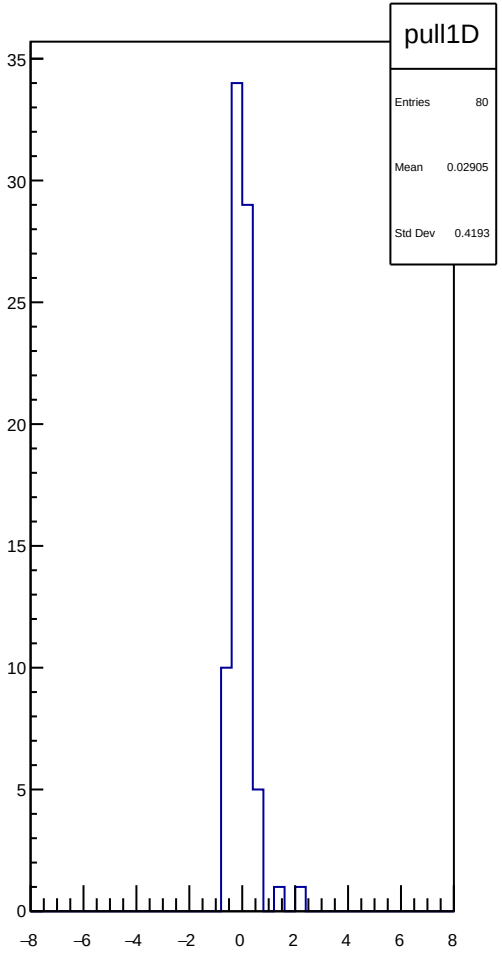

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.13 / 79
p0 −39.11 ± 1.448
pull
Entries 80
Mean 140.2
Std Dev 95.46

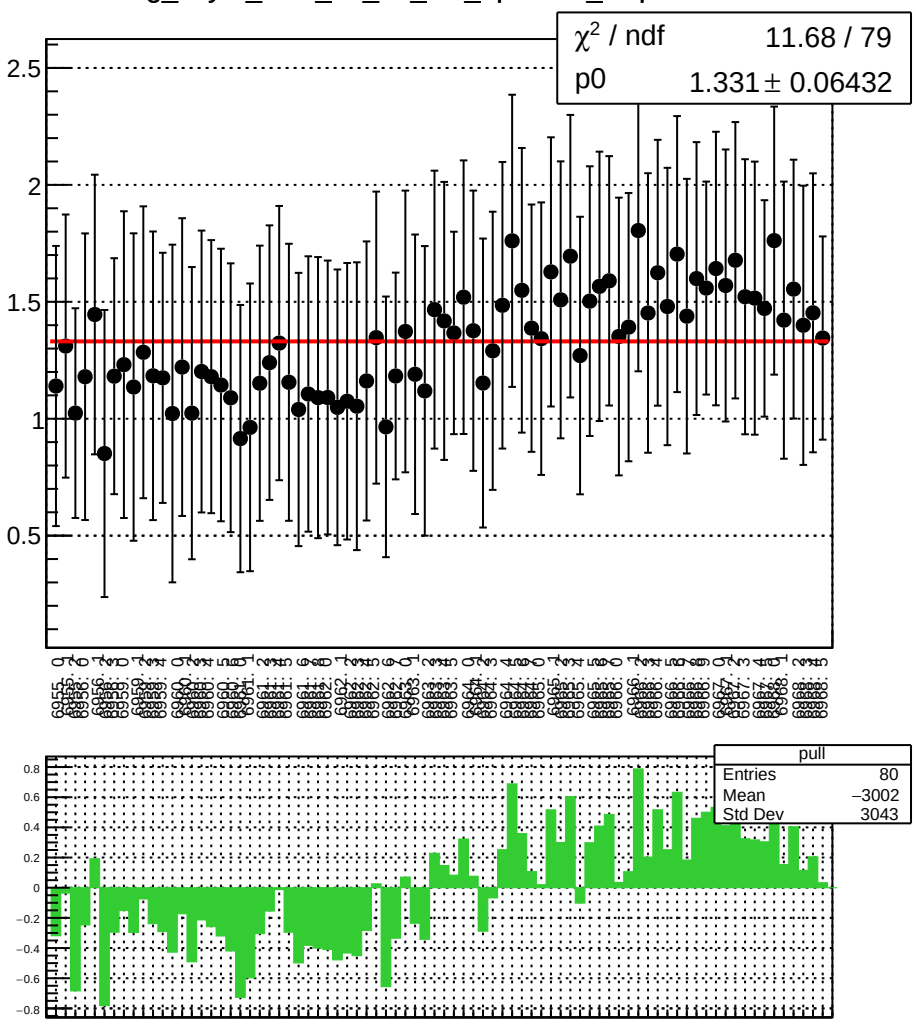

pull1D
Entries 80
Mean −0.04122
Std Dev 0.4329

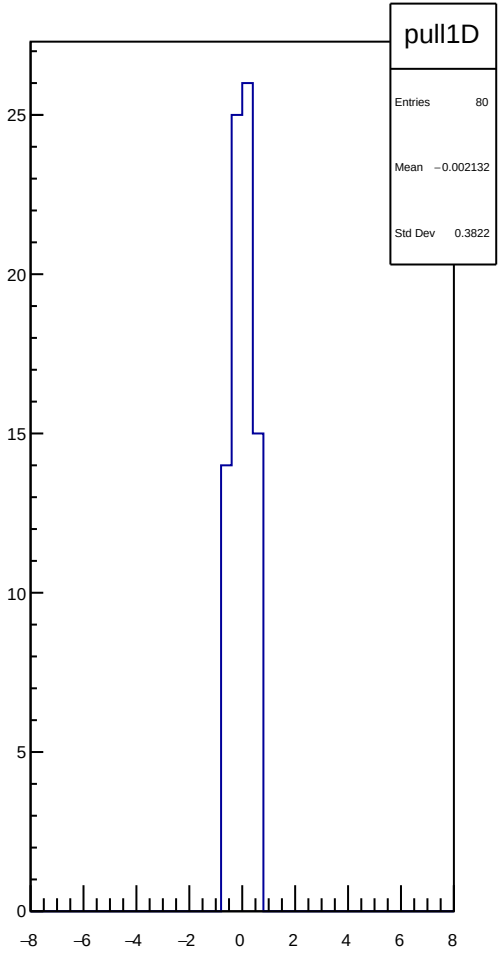

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.773 / 79
p0 −103.9 ± 1.953
pull
Entries 80
Mean −540.3
Std Dev 578

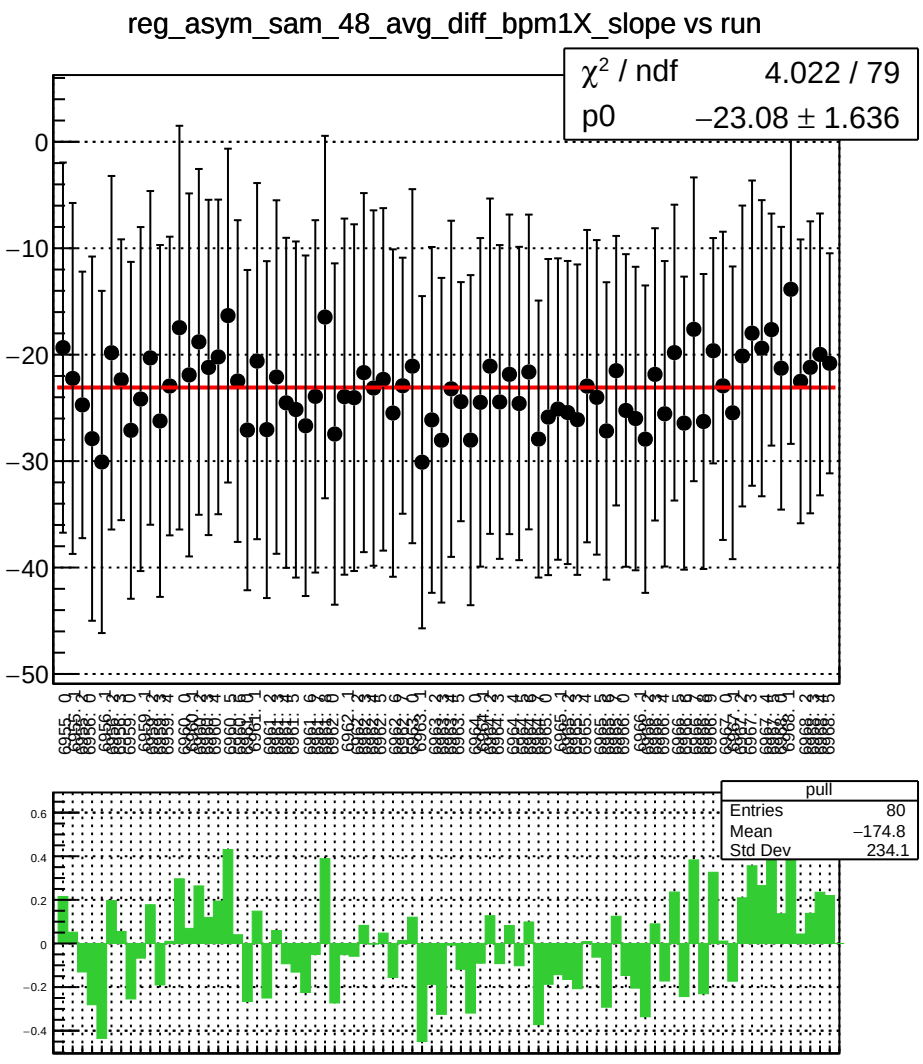

pull1D
Entries 80
Mean 0.002366
Std Dev 0.1862

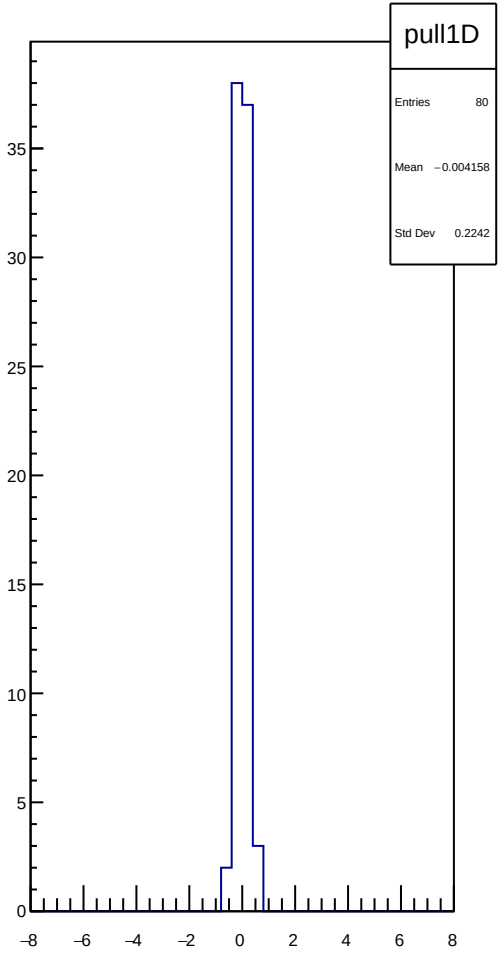

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.13 / 79
p0 −103.5 ± 1.649
pull
Entries 80
Mean 213.2
Std Dev 169.5

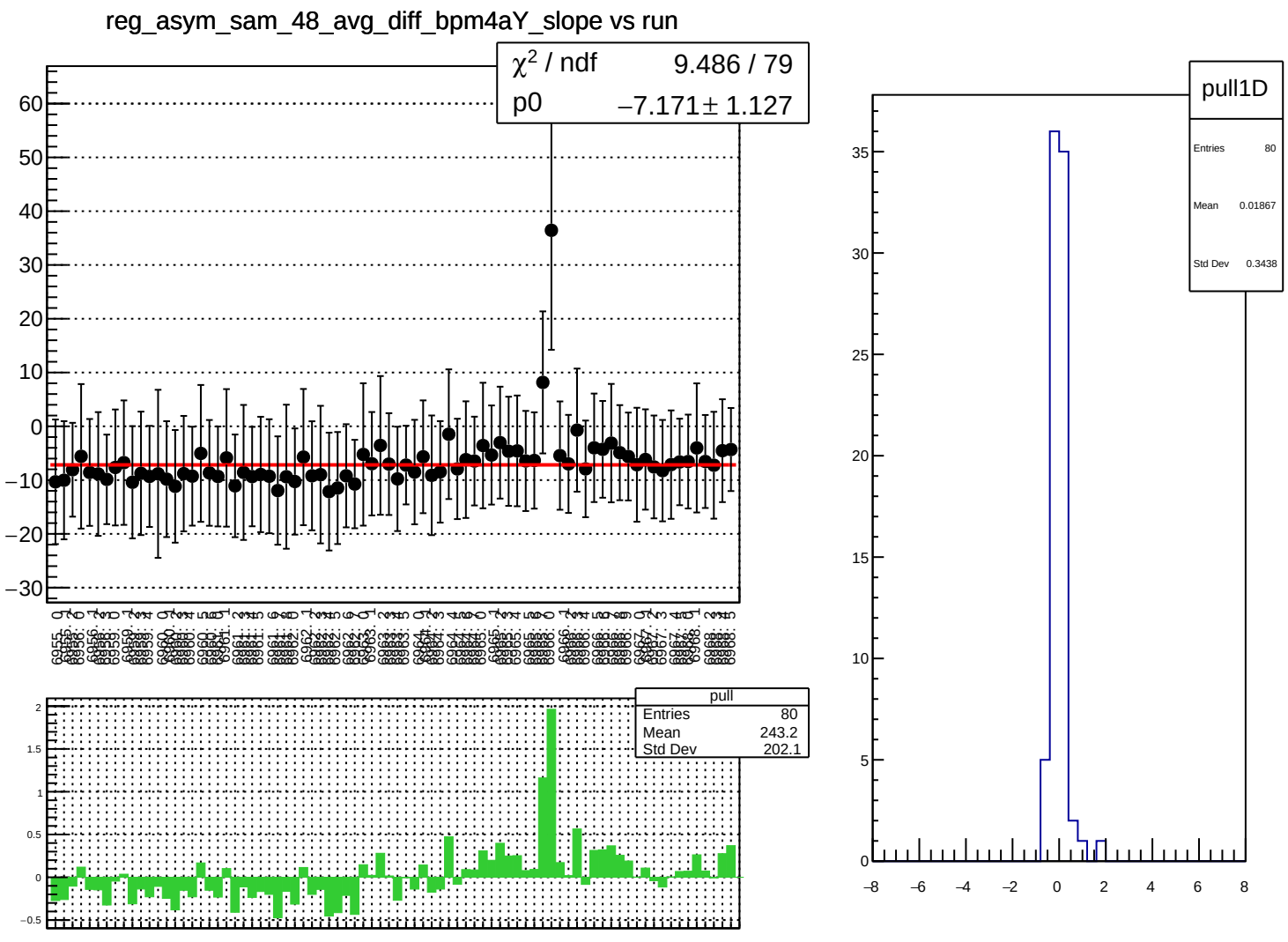

pull1D
Entries 80
Mean 0.02905
Std Dev 0.4193

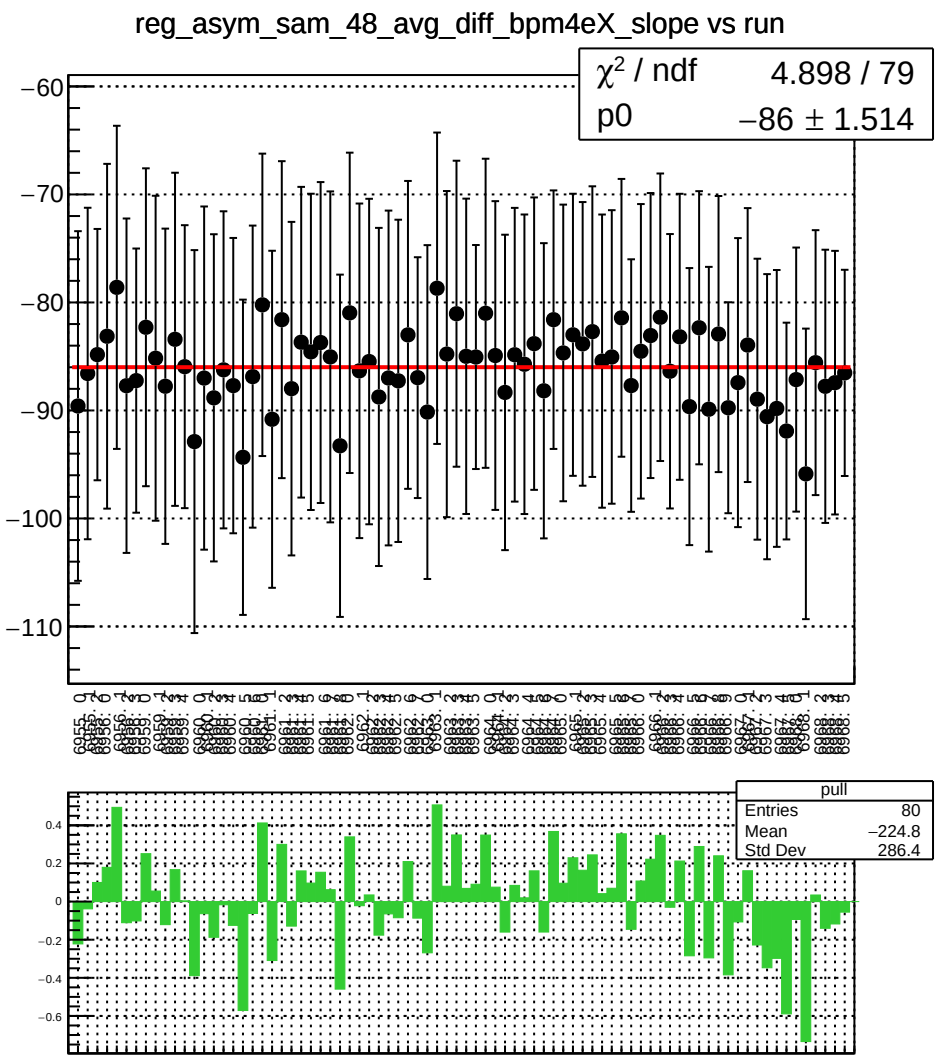

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.68 / 79
p0 1.331 ± 0.06432
pull
Entries 80
Mean −3002
Std Dev 3043

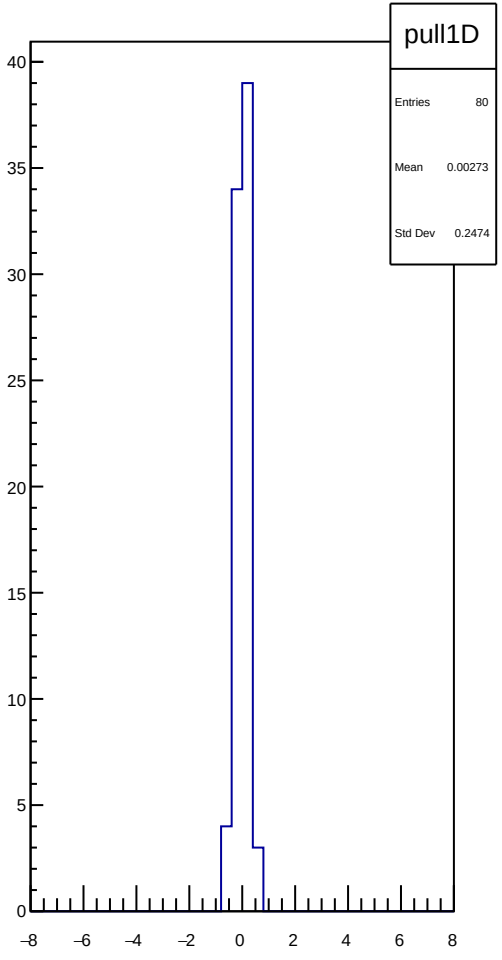

pull1D
Entries 80
Mean −0.002132
Std Dev 0.3822

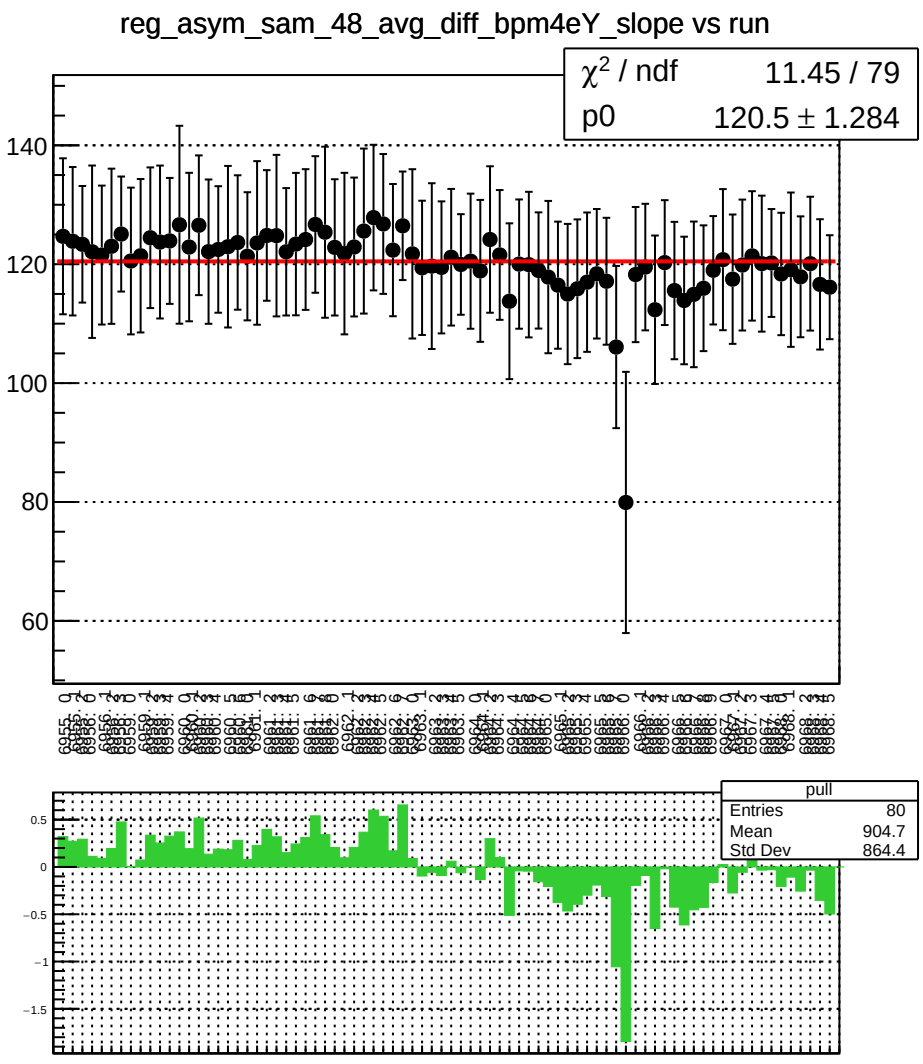

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 4.022 / 79
p0 −23.08 ± 1.636
pull
Entries 80
Mean −174.8
Std Dev 234.1

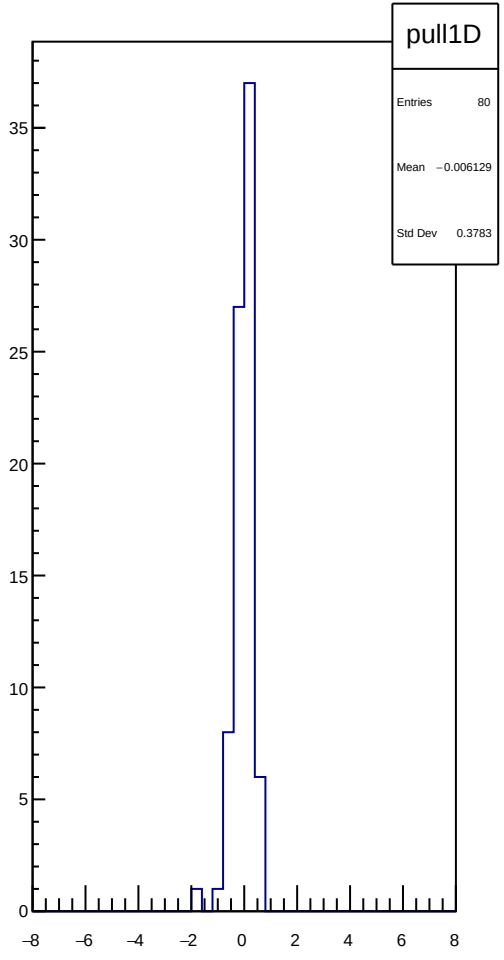

pull1D
Entries 80
Mean −0.004158
Std Dev 0.2242

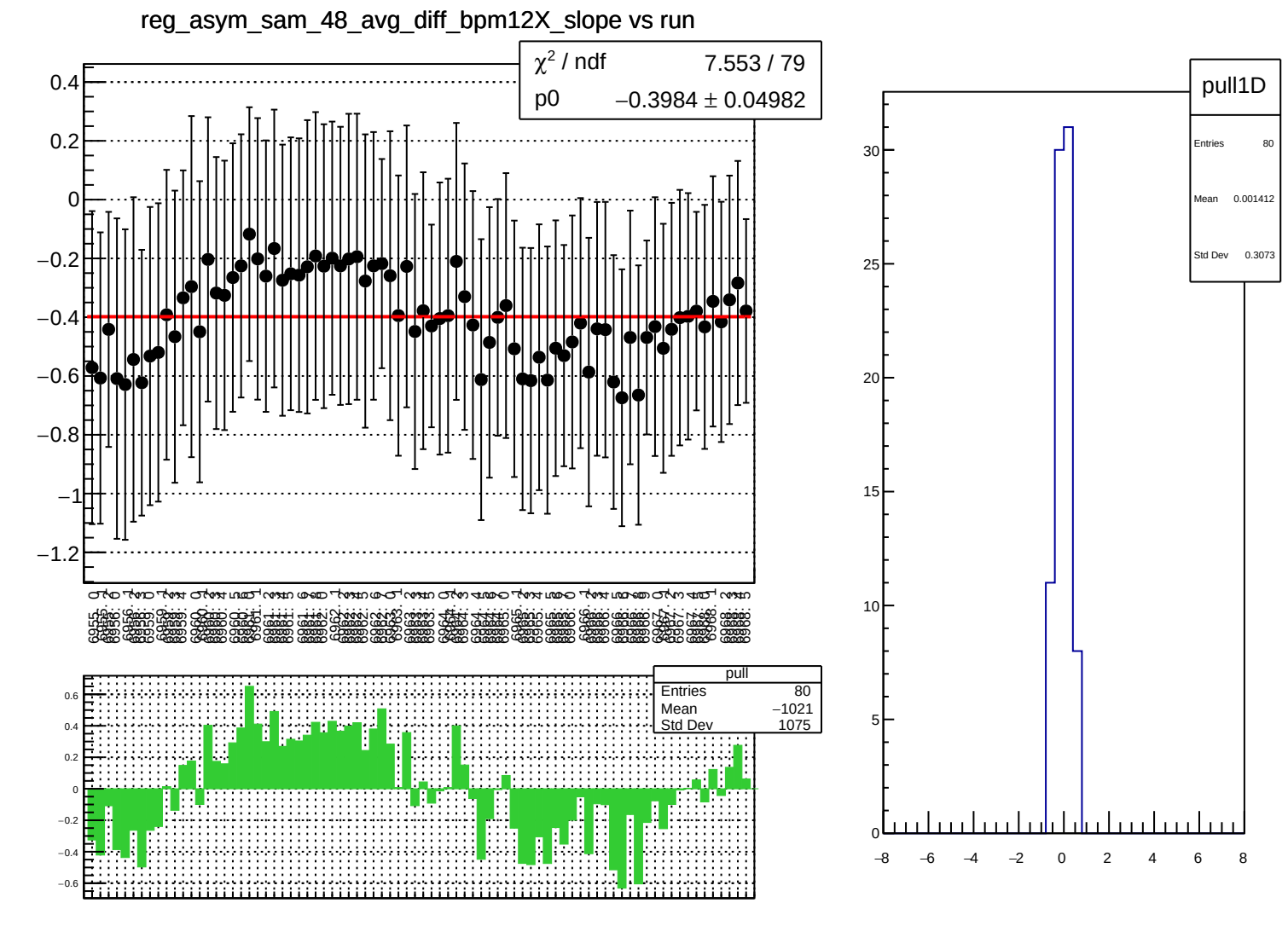

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.486 / 79
p0 −7.171 ± 1.127
pull
Entries 80
Mean 243.2
Std Dev 202.1
pull1D
Entries 80
Mean 0.01867
Std Dev 0.3438

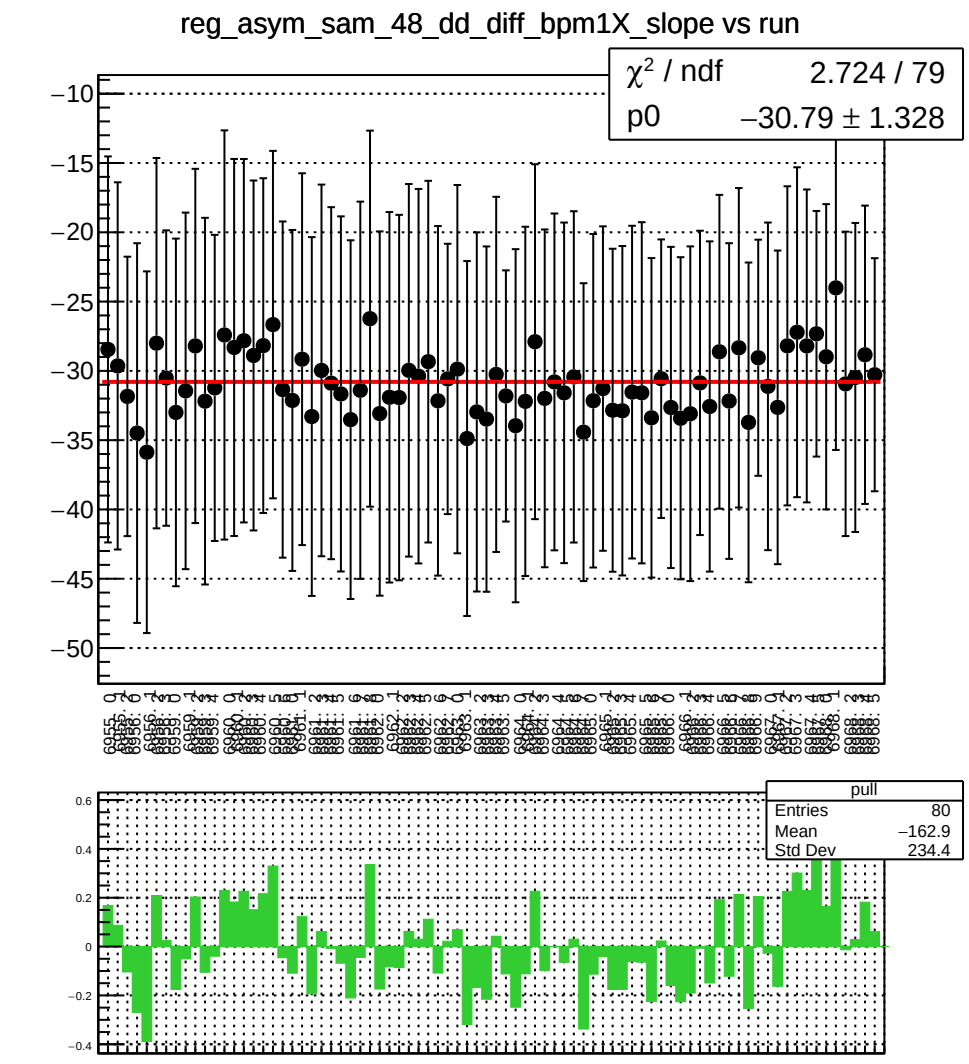

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.898 / 79
p0 −86 ± 1.514
pull
Entries 80
Mean −224.8
Std Dev 286.4

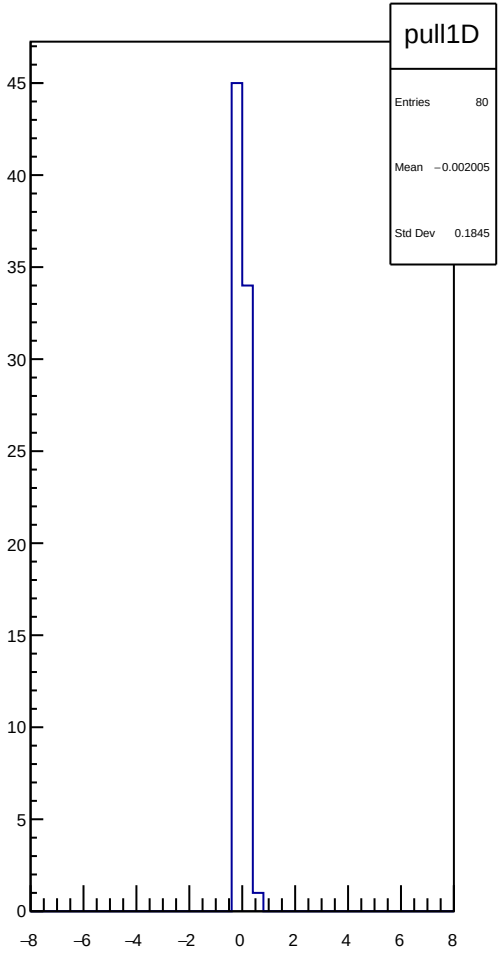

pull1D
Entries 80
Mean 0.00273
Std Dev 0.2474

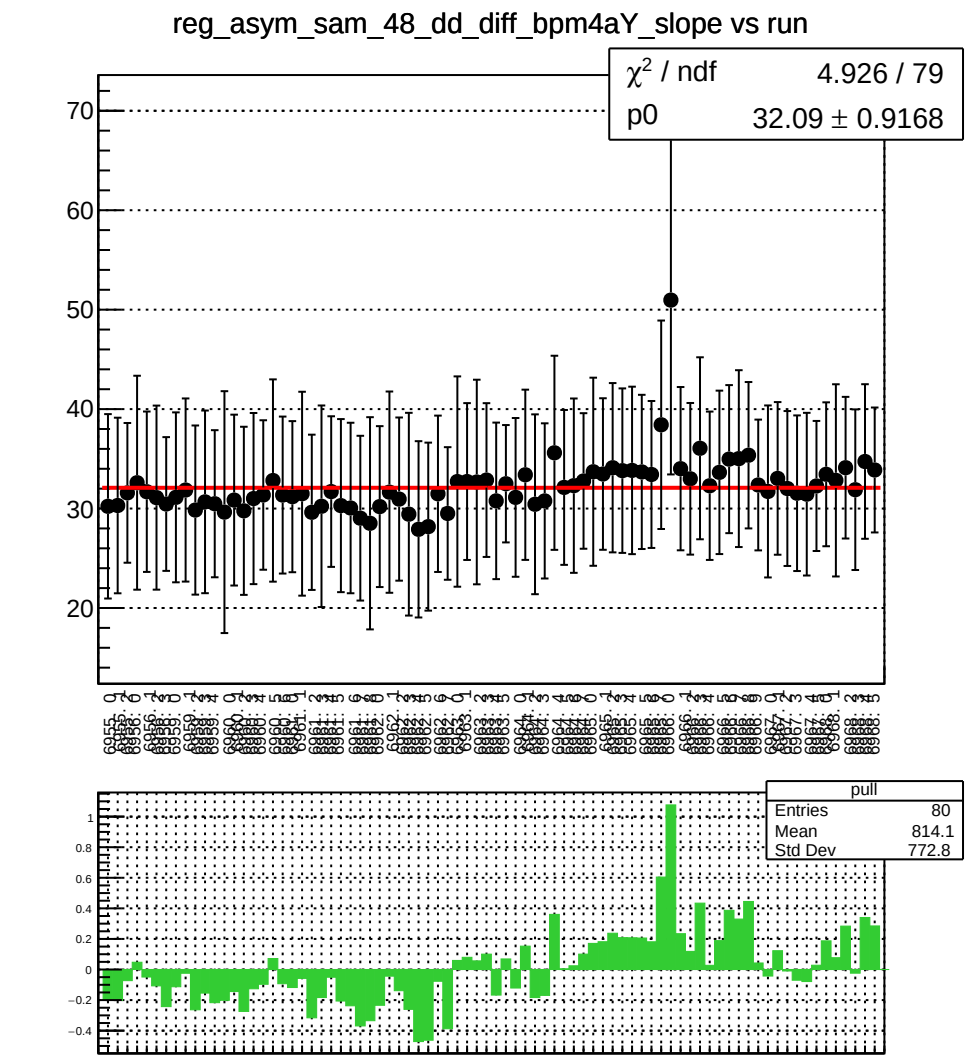

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.45 / 79
p0 120.5 ± 1.284
140
120
100
80
60
pull
Entries 80
Mean 904.7
Std Dev 864.4
0.5
0
−0.5
−1
−1.5

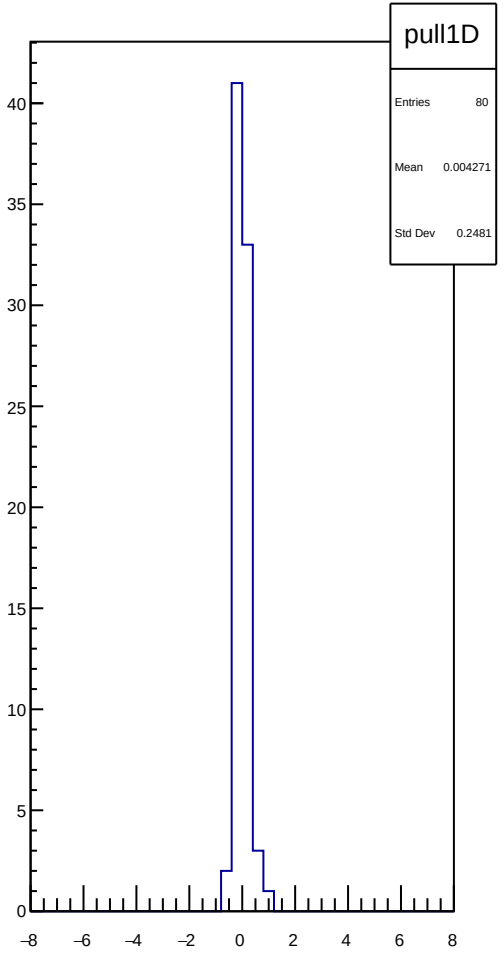

pull1D
Entries 80
Mean −0.006129
Std Dev 0.3783
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

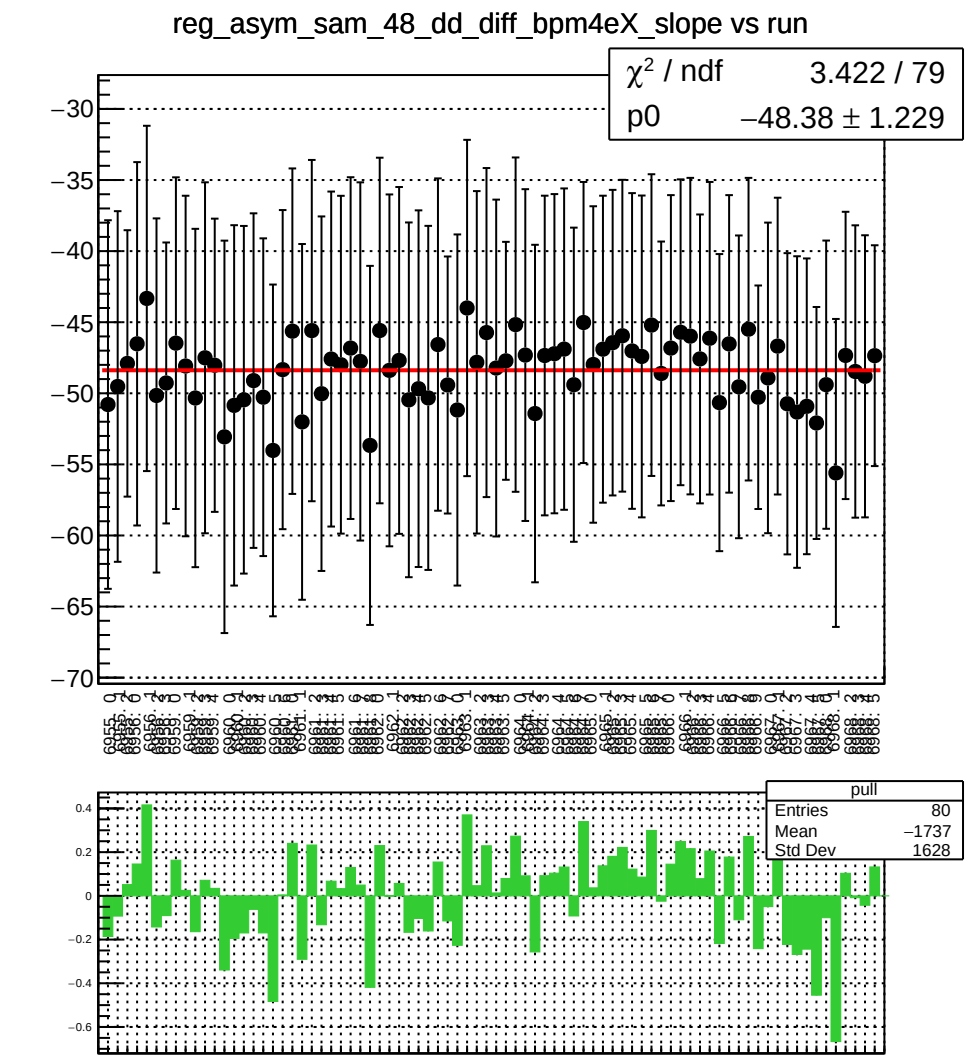

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.553 / 79
p0 −0.3984 ± 0.04982
pull
Entries 80
Mean −1021
Std Dev 1075
pull1D
Entries 80
Mean 0.001412
Std Dev 0.3073

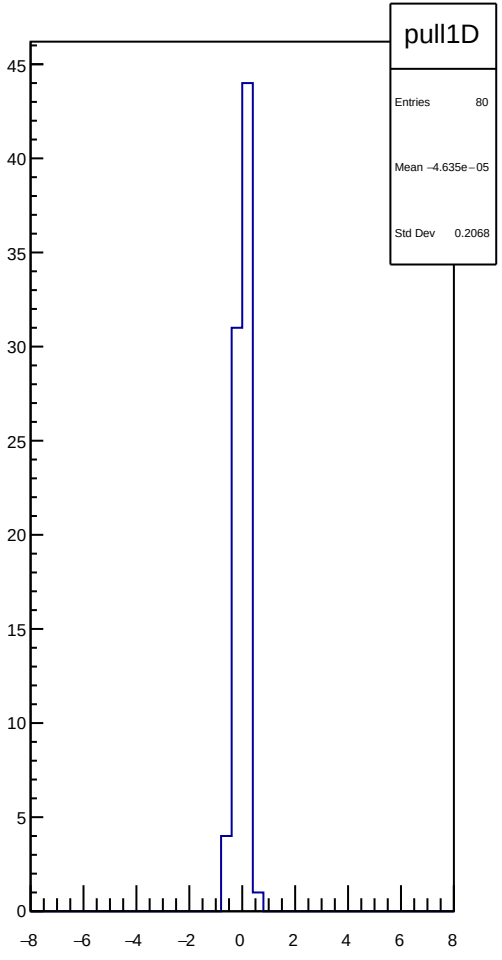

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.724 / 79
p0 −30.79 ± 1.328
pull
Entries 80
Mean −162.9
Std Dev 234.4

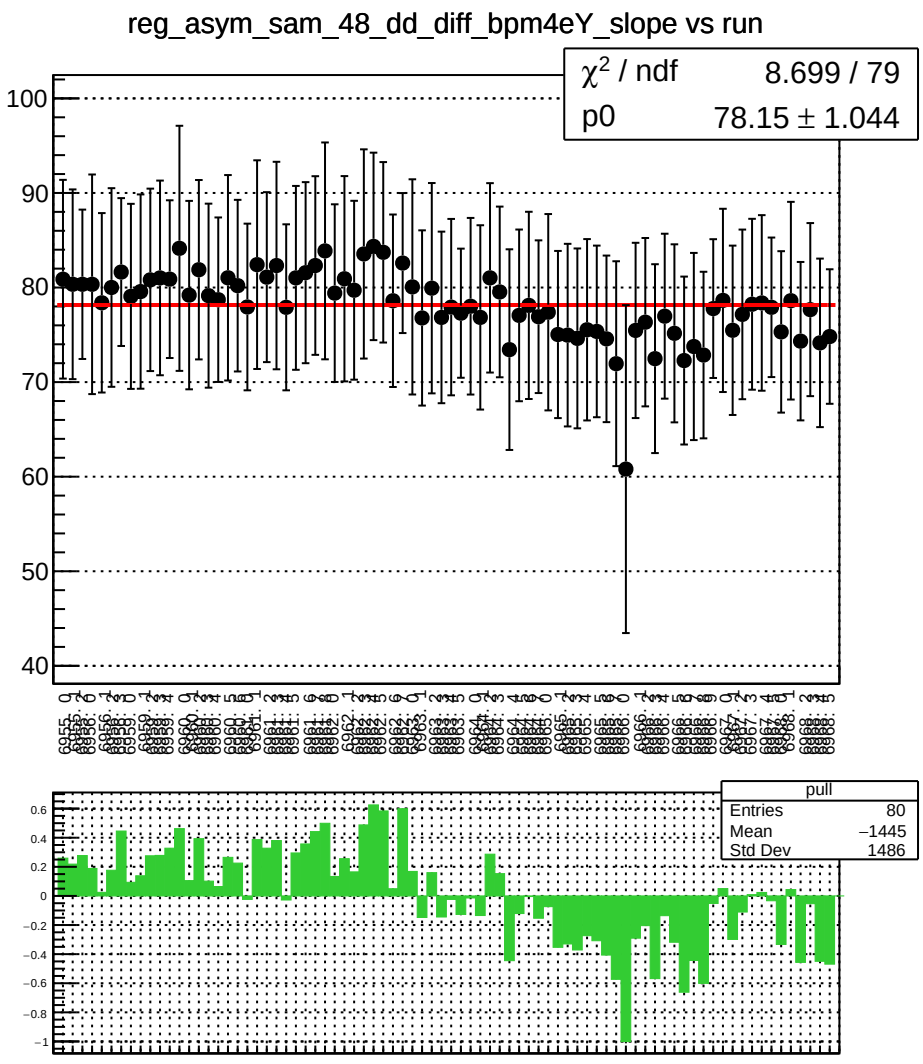

pull1D
Entries 80
Mean −0.002005
Std Dev 0.1845

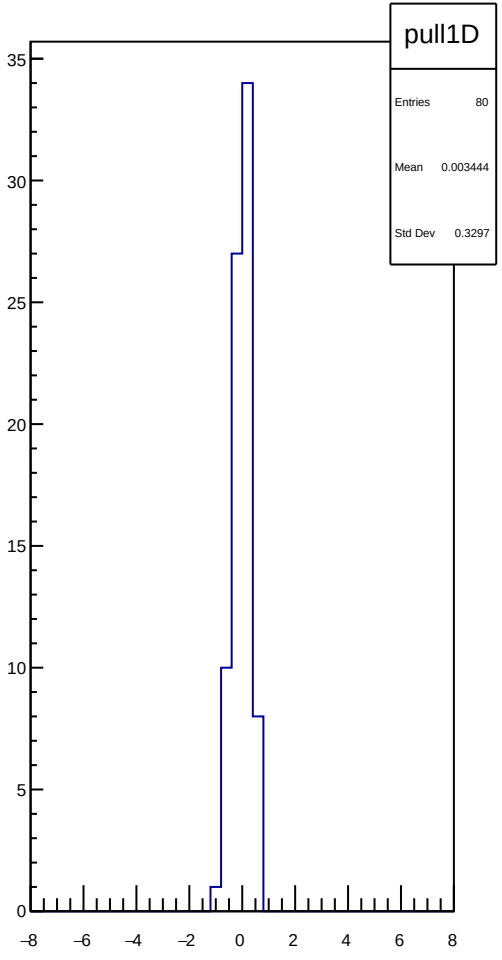

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.926 / 79
p0 32.09 ± 0.9168
pull
Entries 80
Mean 814.1
Std Dev 772.8

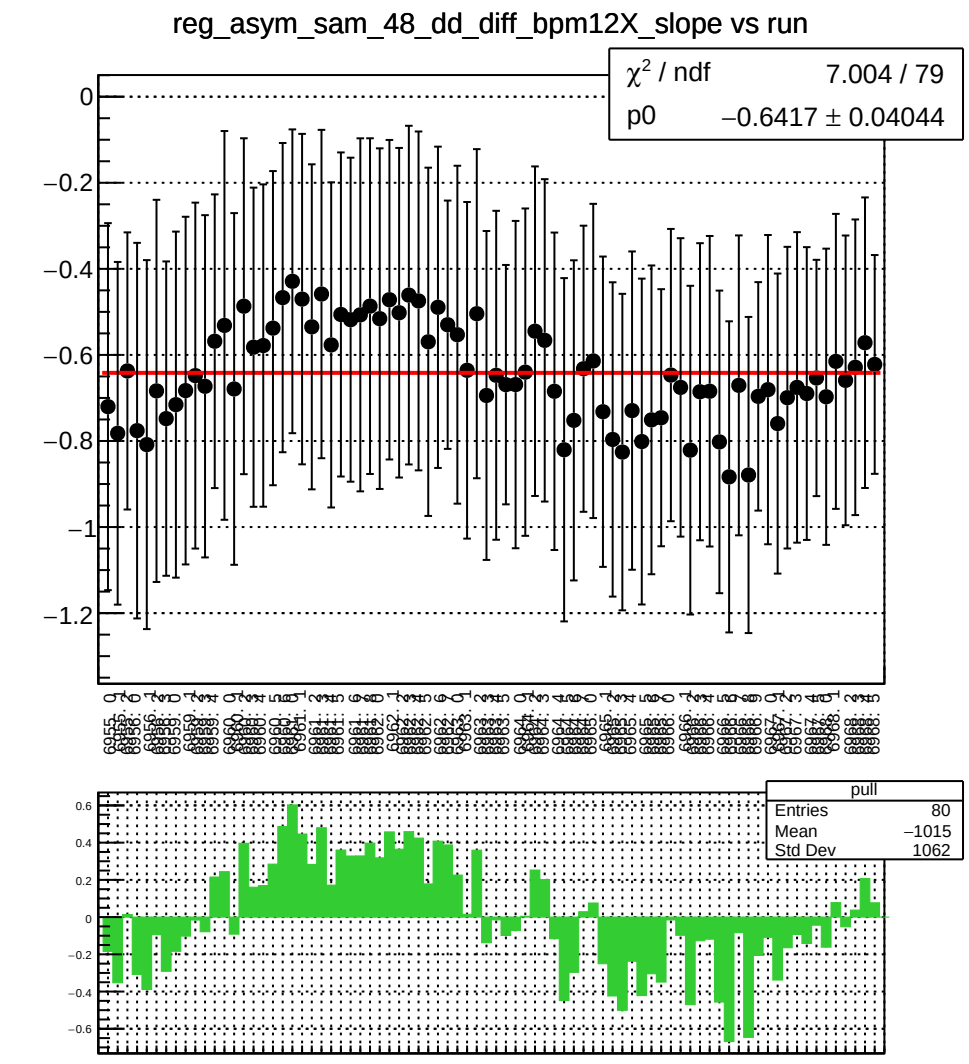

pull1D
Entries 80
Mean 0.004271
Std Dev 0.2481

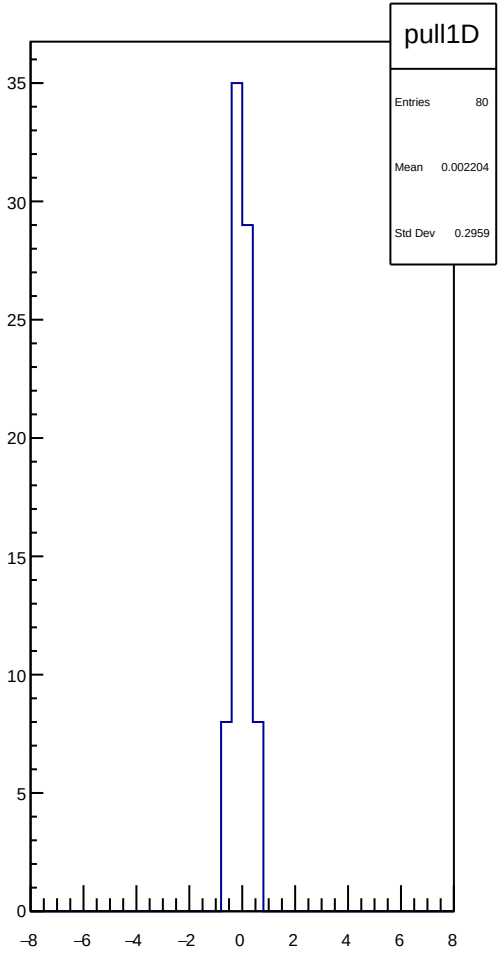

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.422 / 79
p0 −48.38 ± 1.229
pull
Entries 80
Mean −1737
Std Dev 1628

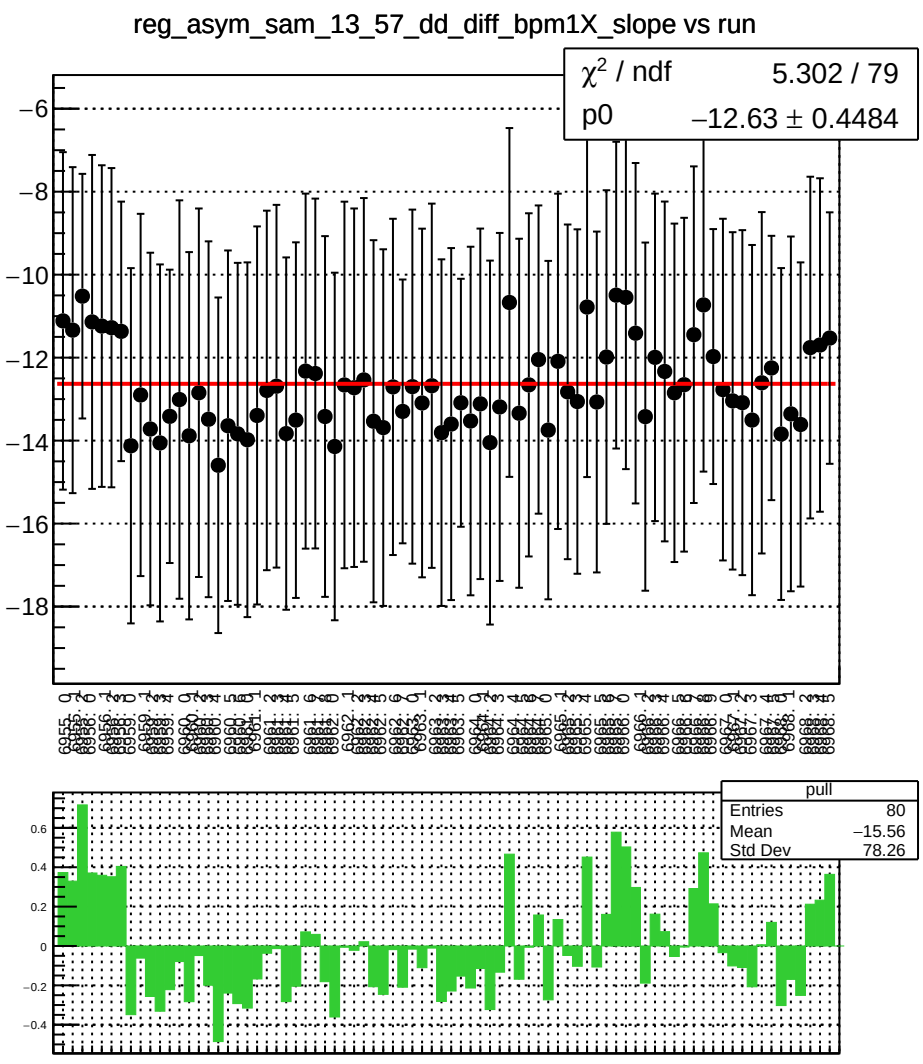

pull1D
Entries 80
Mean −4.635e−05
Std Dev 0.2068

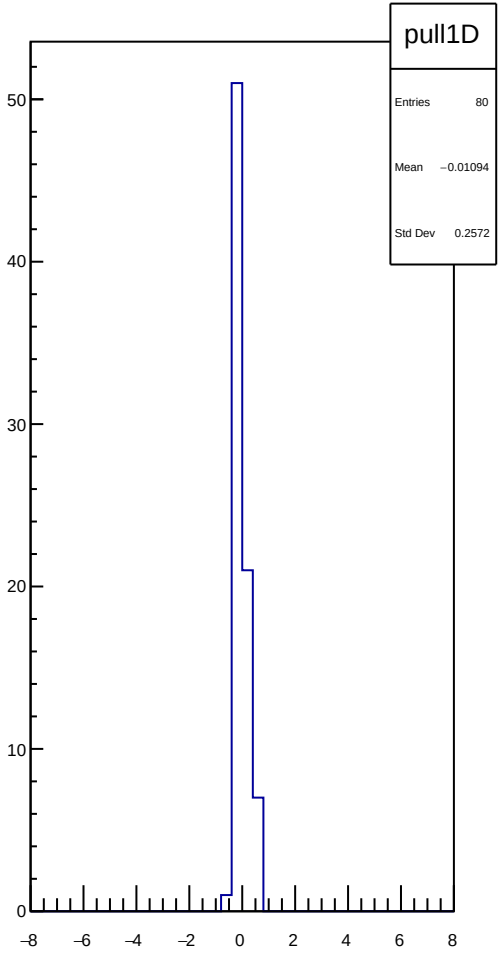

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.699 / 79
p0 78.15 ± 1.044
pull
Entries 80
Mean −1445
Std Dev 1486

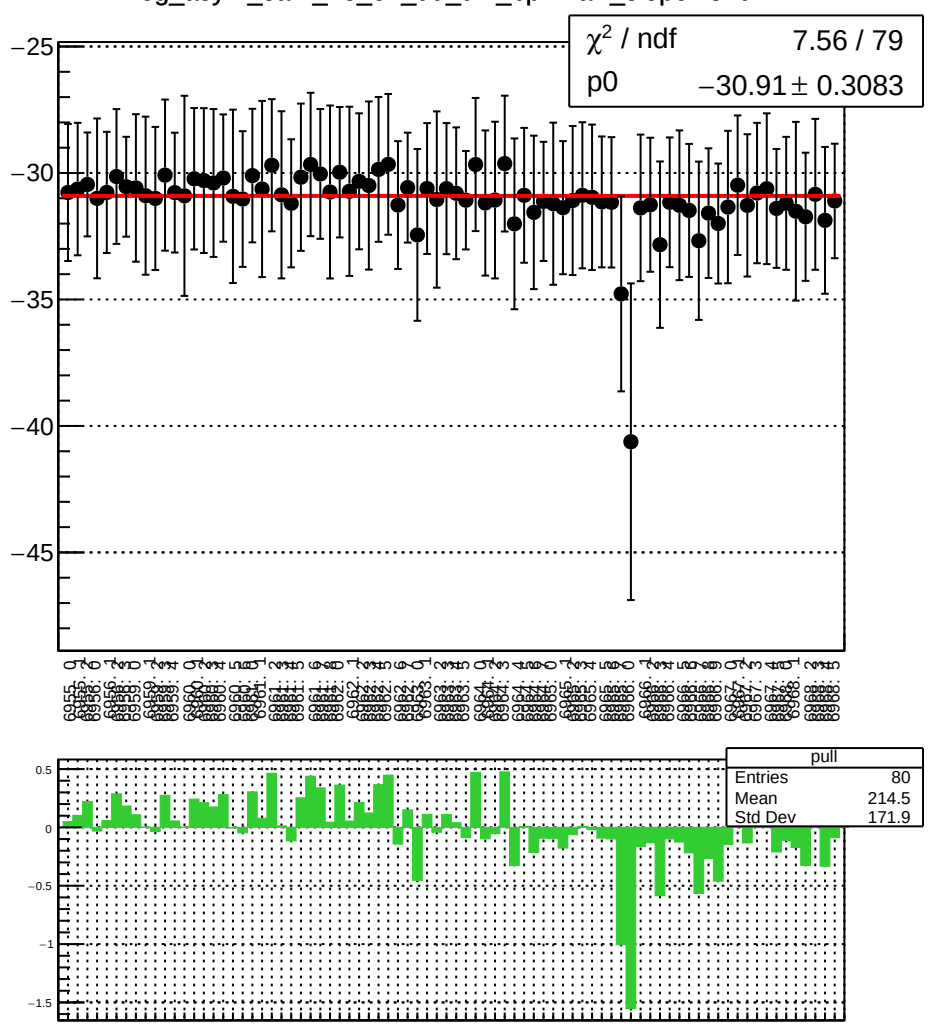

pull1D
Entries 80
Mean 0.003444
Std Dev 0.3297

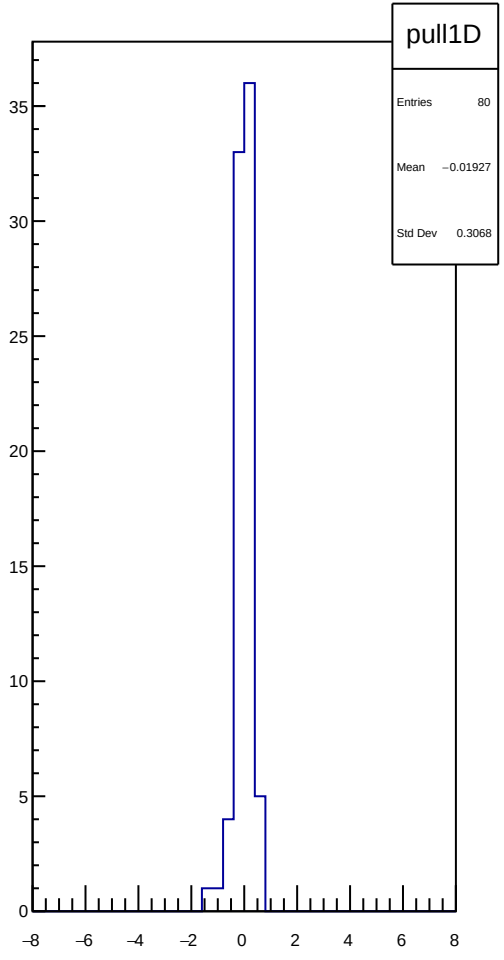

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.004 / 79
p0 −0.6417 ± 0.04044
pull
Entries 80
Mean −1015
Std Dev 1062

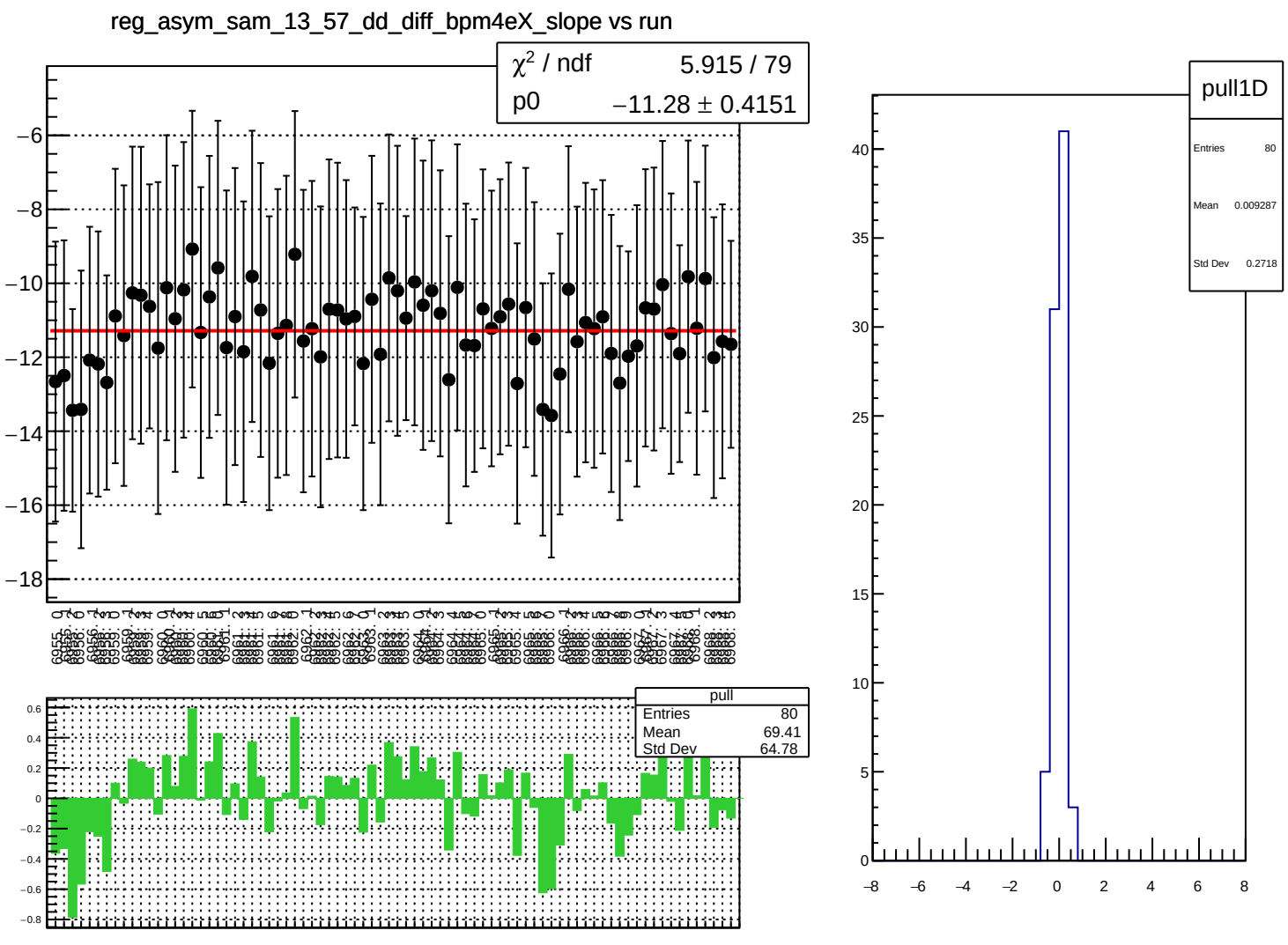

pull1D
Entries 80
Mean 0.002204
Std Dev 0.2959

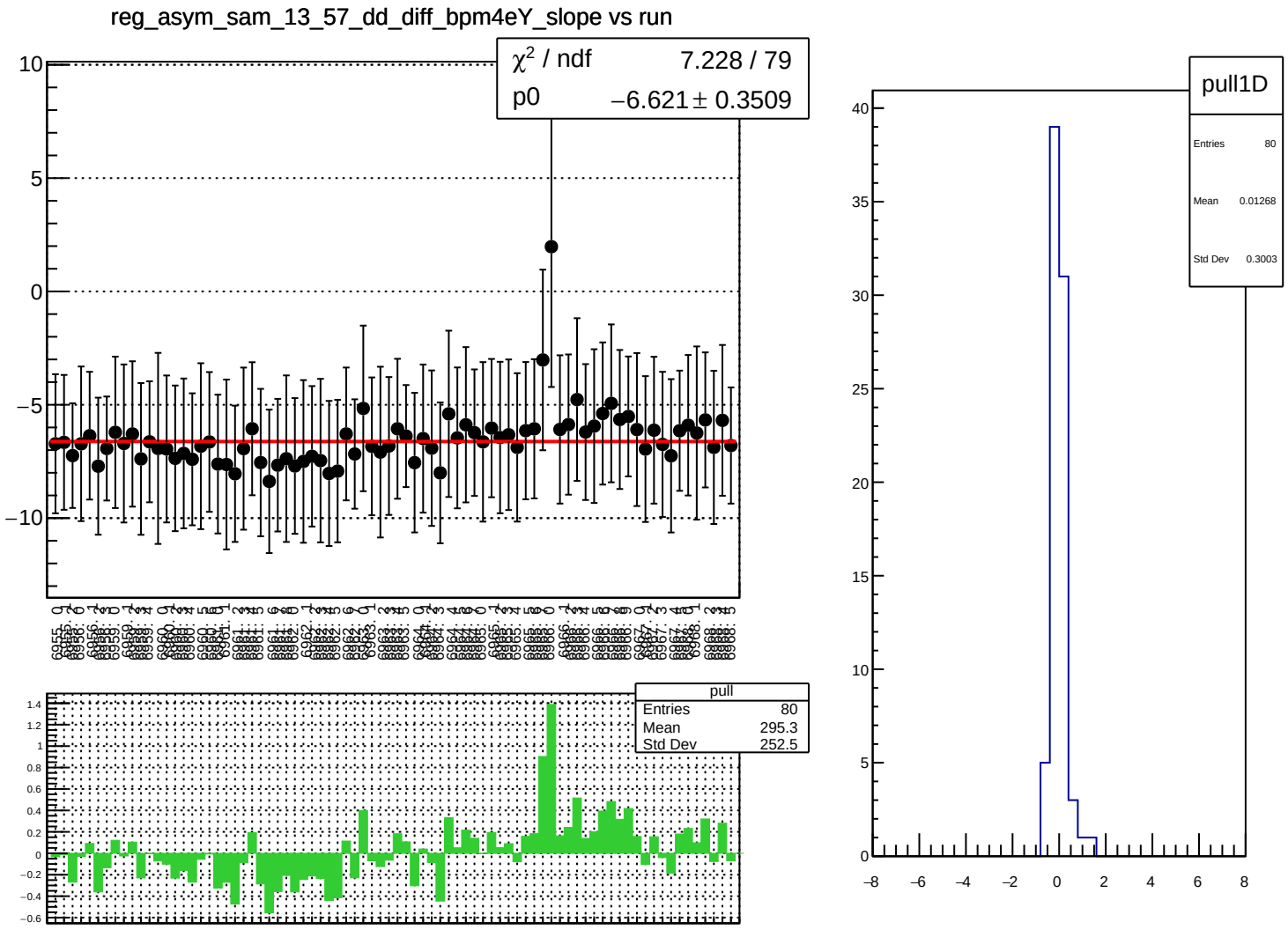

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.302 / 79
p0 −12.63 ± 0.4484
pull
Entries 80
Mean −15.56
Std Dev 78.26

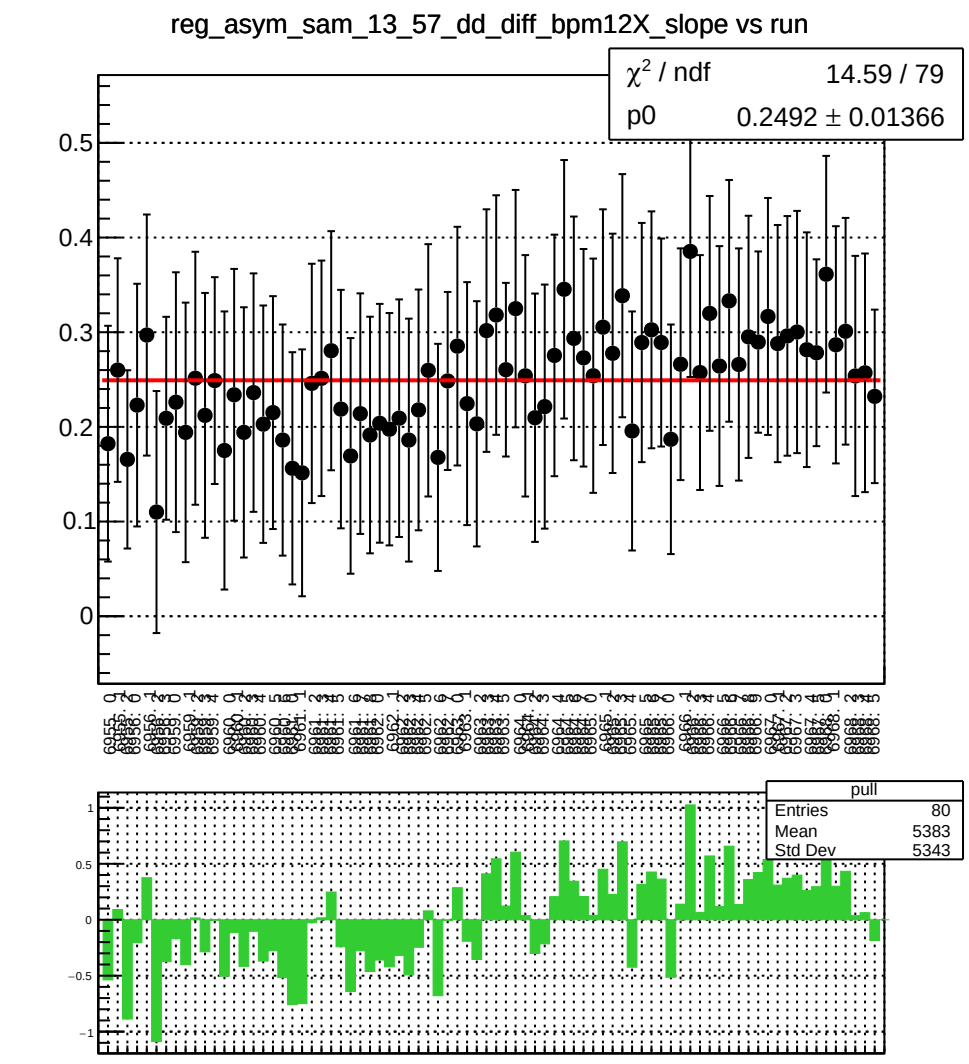

pull1D
Entries 80
Mean −0.01094
Std Dev 0.2572

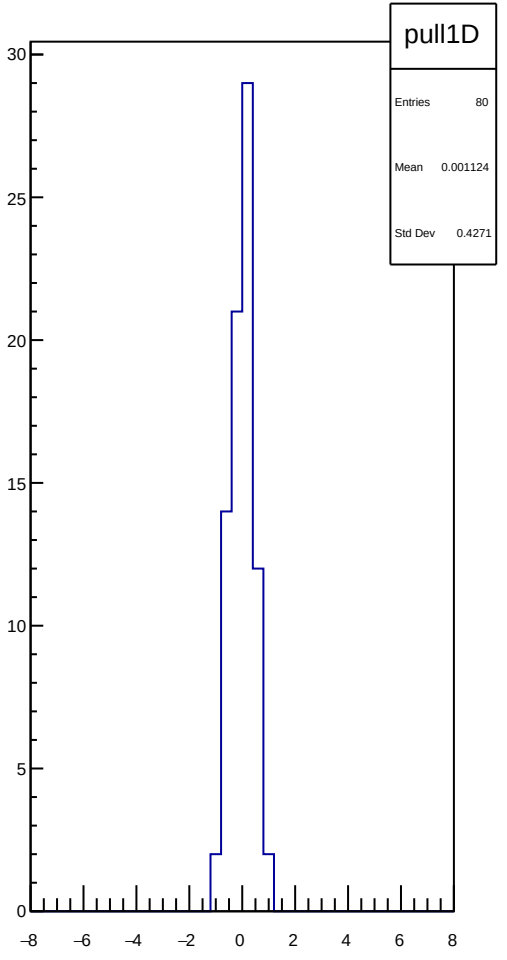

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.56 / 79
p0 −30.91 ± 0.3083
pull
Entries 80
Mean 214.5
Std Dev 171.9

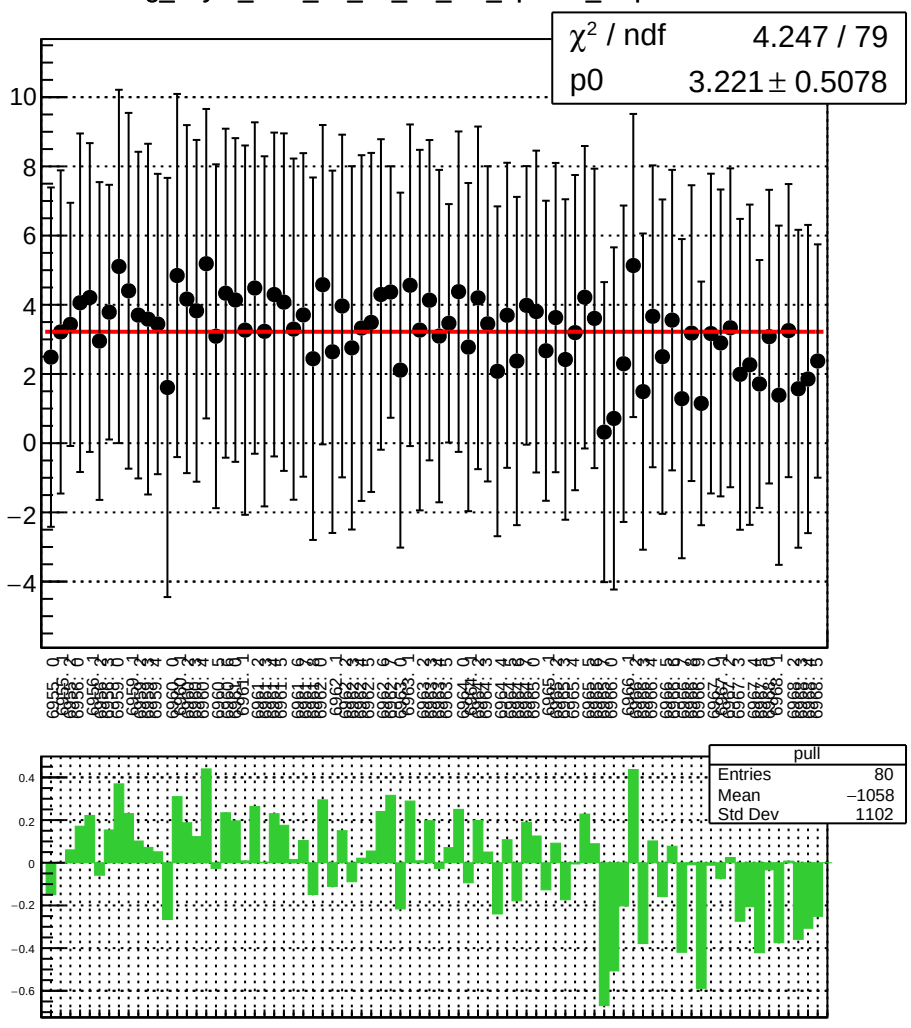

pull1D
Entries 80
Mean −0.01927
Std Dev 0.3068

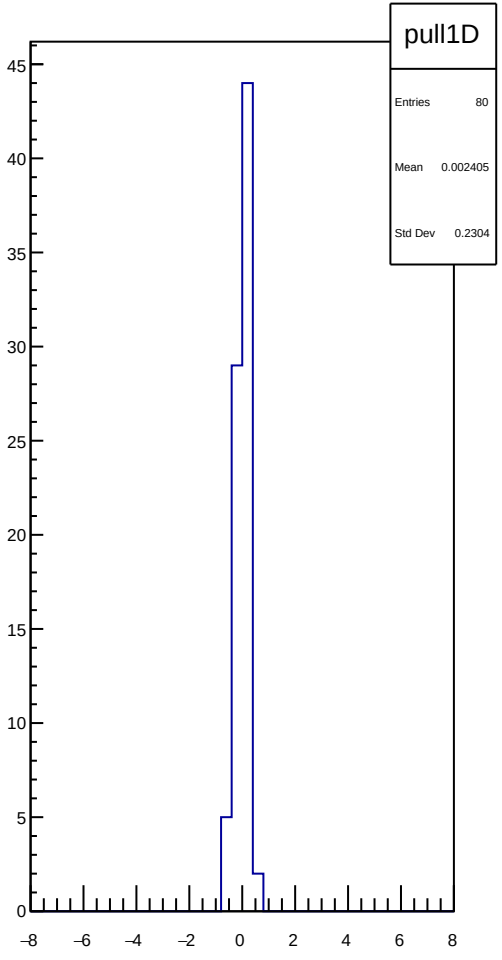

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.915 / 79
p0 −11.28 ± 0.4151
pull
Entries 80
Mean 69.41
Std Dev 64.78
pull1D
Entries 80
Mean 0.009287
Std Dev 0.2718

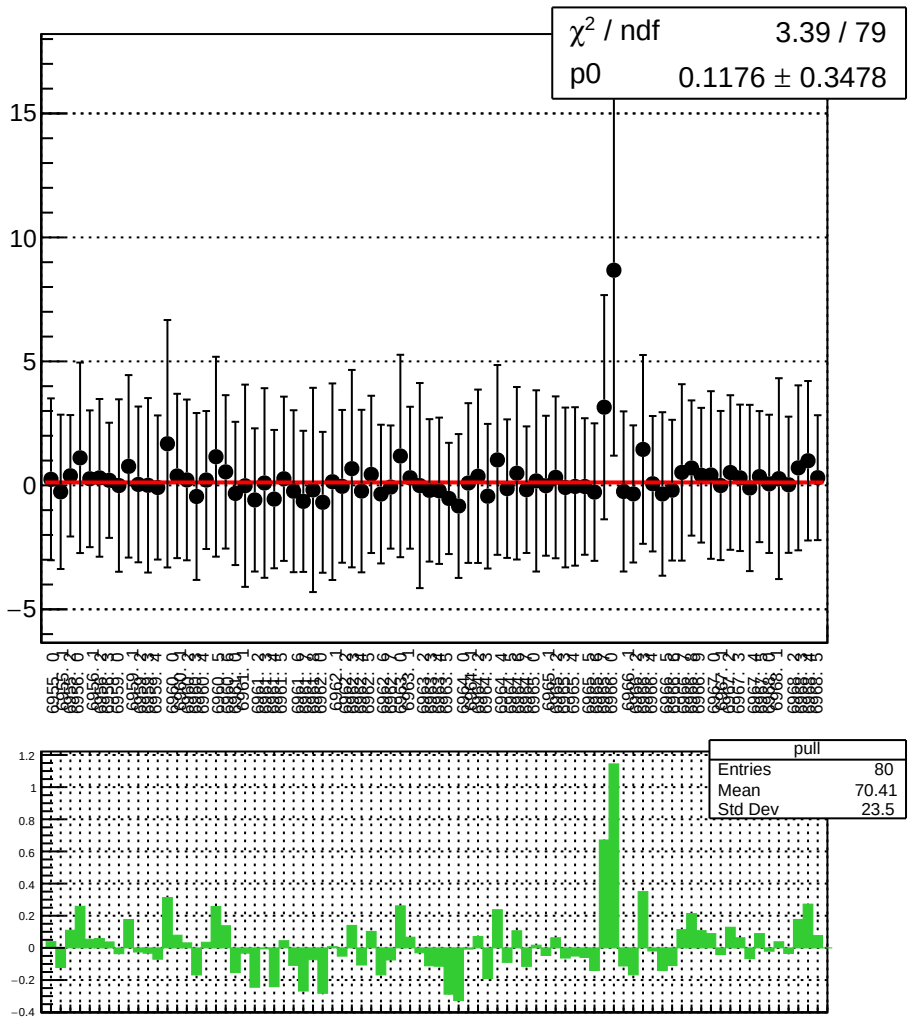

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.228 / 79
p0 −6.621 ± 0.3509
pull
Entries 80
Mean 295.3
Std Dev 252.5
pull1D
Entries 80
Mean 0.01268
Std Dev 0.3003

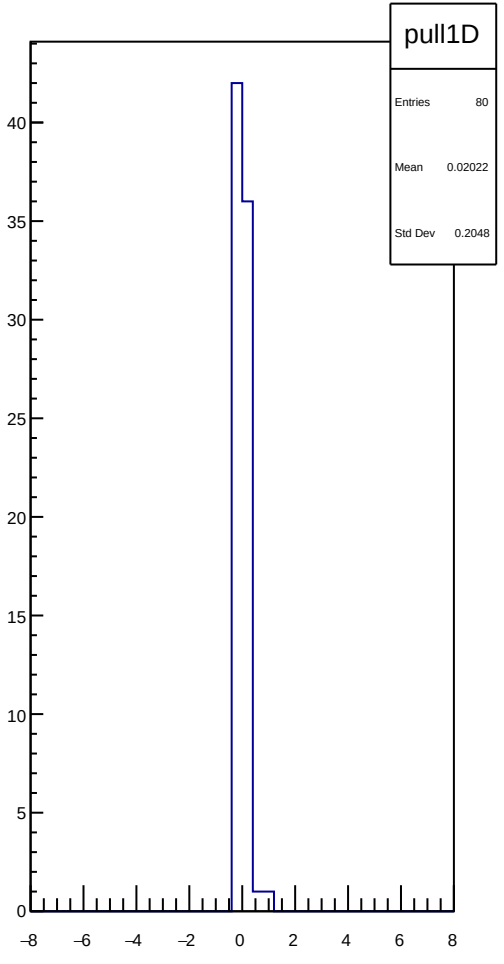

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 14.59 / 79
p0 0.2492 ± 0.01366
pull
Entries 80
Mean 5383
Std Dev 5343

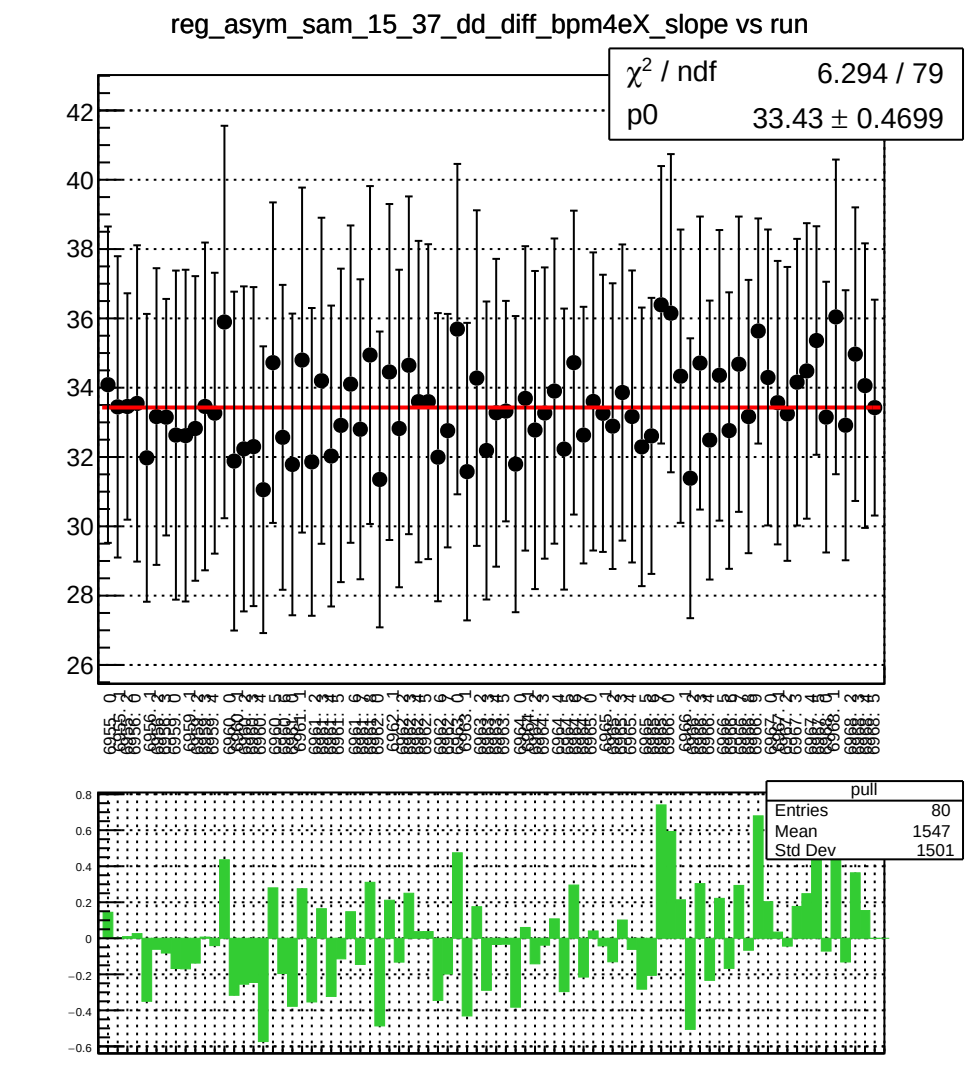

pull1D
Entries 80
Mean 0.001124
Std Dev 0.4271

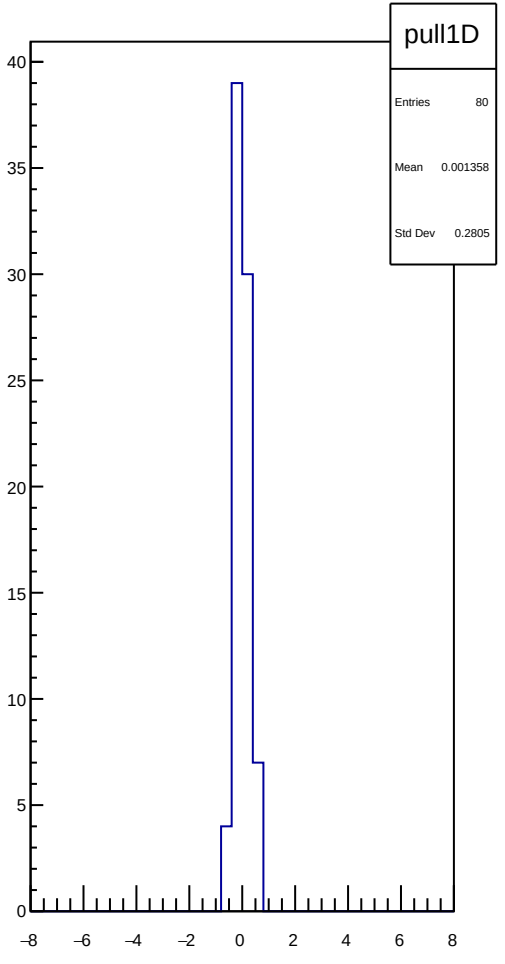

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.247 / 79
p0 3.221 ± 0.5078
pull
Entries 80
Mean −1058
Std Dev 1102

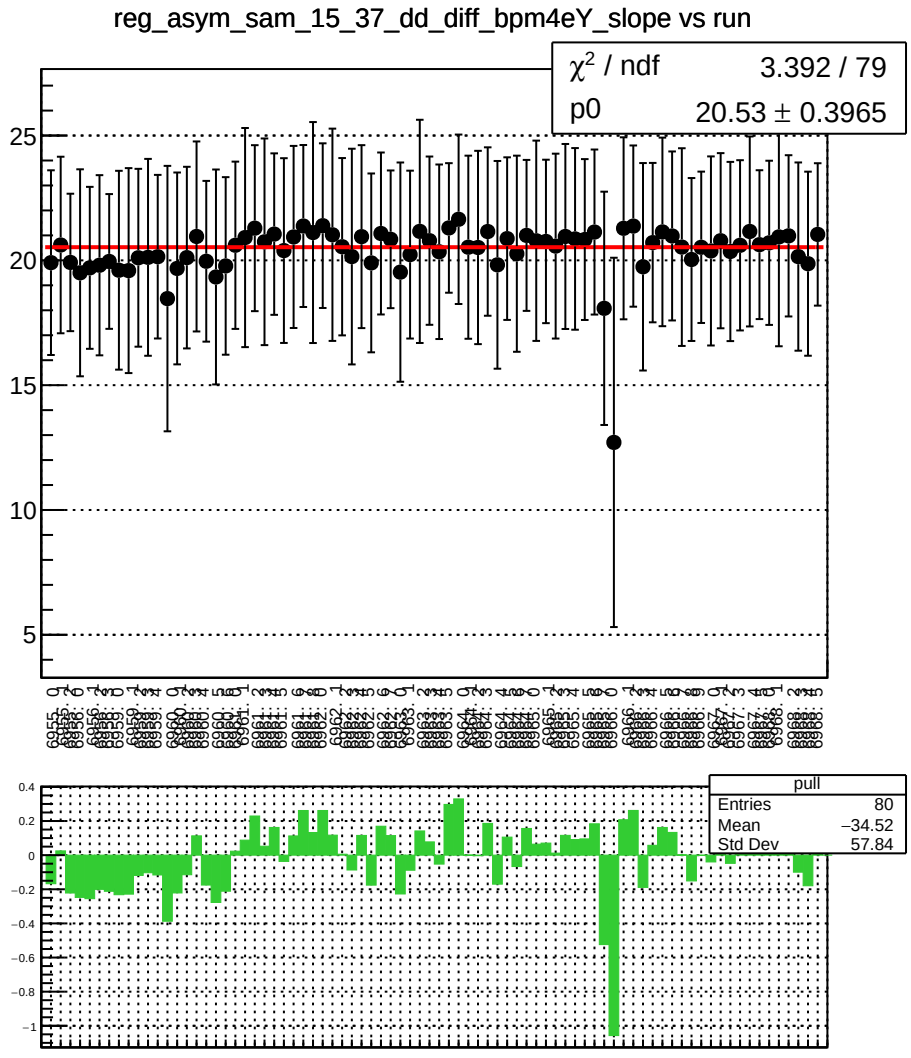

pull1D
Entries 80
Mean 0.002405
Std Dev 0.2304

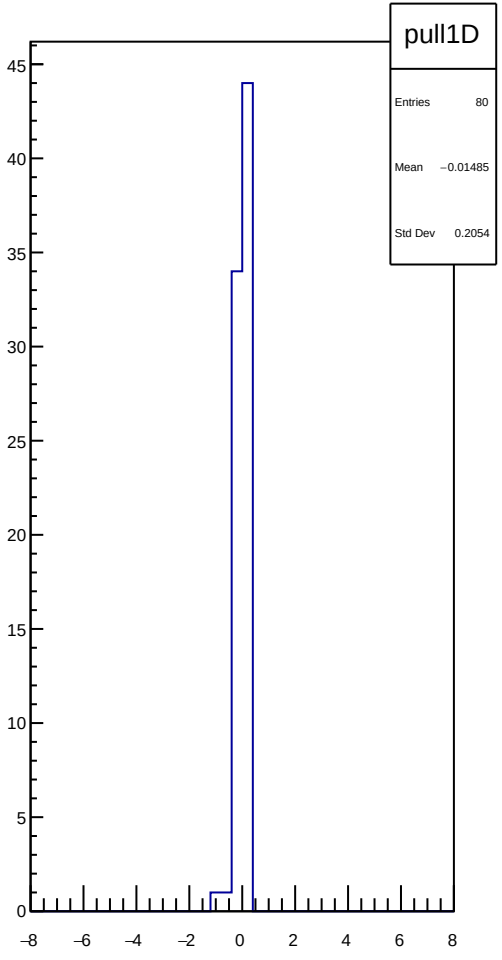

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.39 / 79
p0 0.1176 ± 0.3478
pull
Entries 80
Mean 70.41
Std Dev 23.5

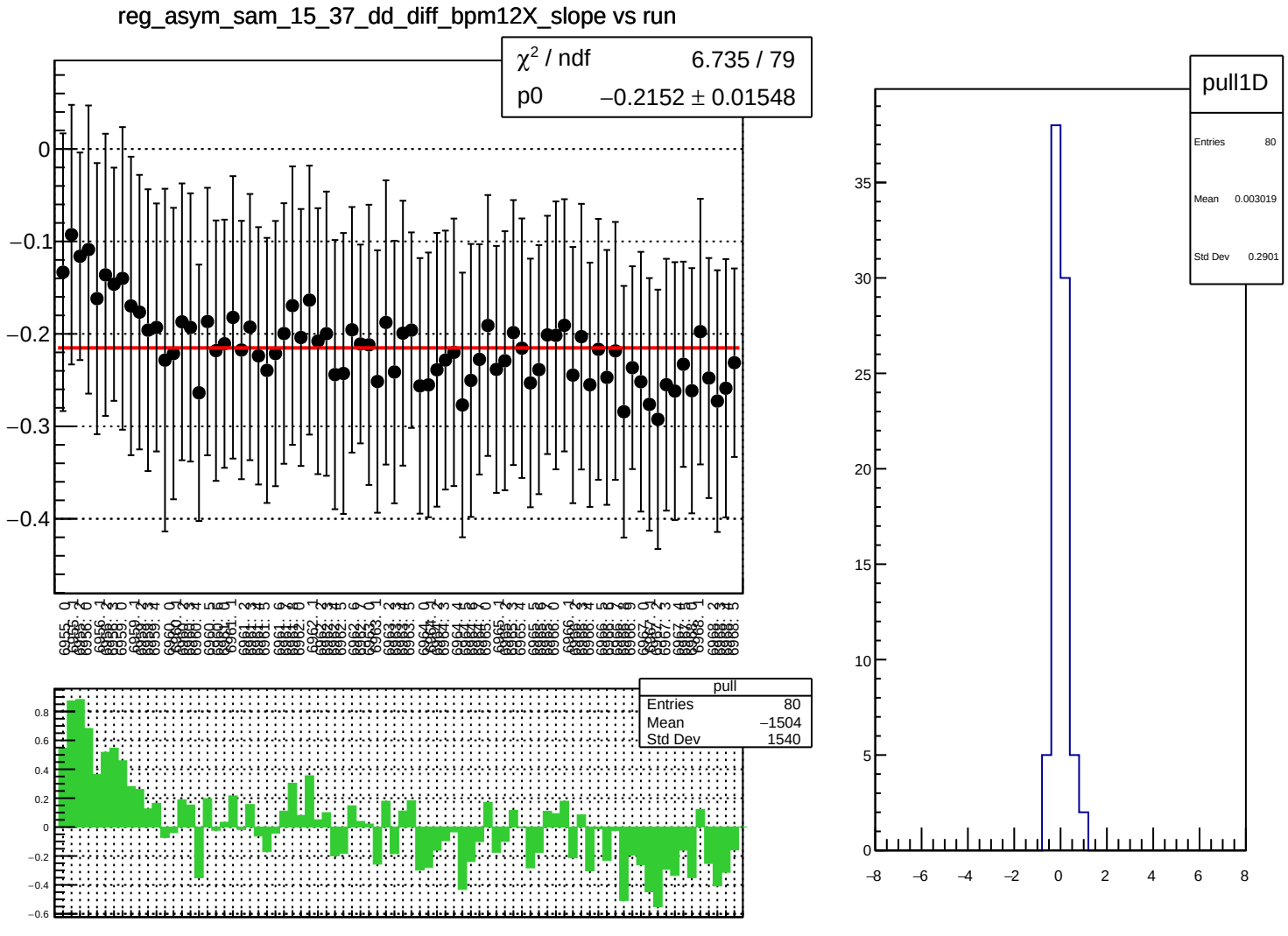

pull1D
Entries 80
Mean 0.02022
Std Dev 0.2048

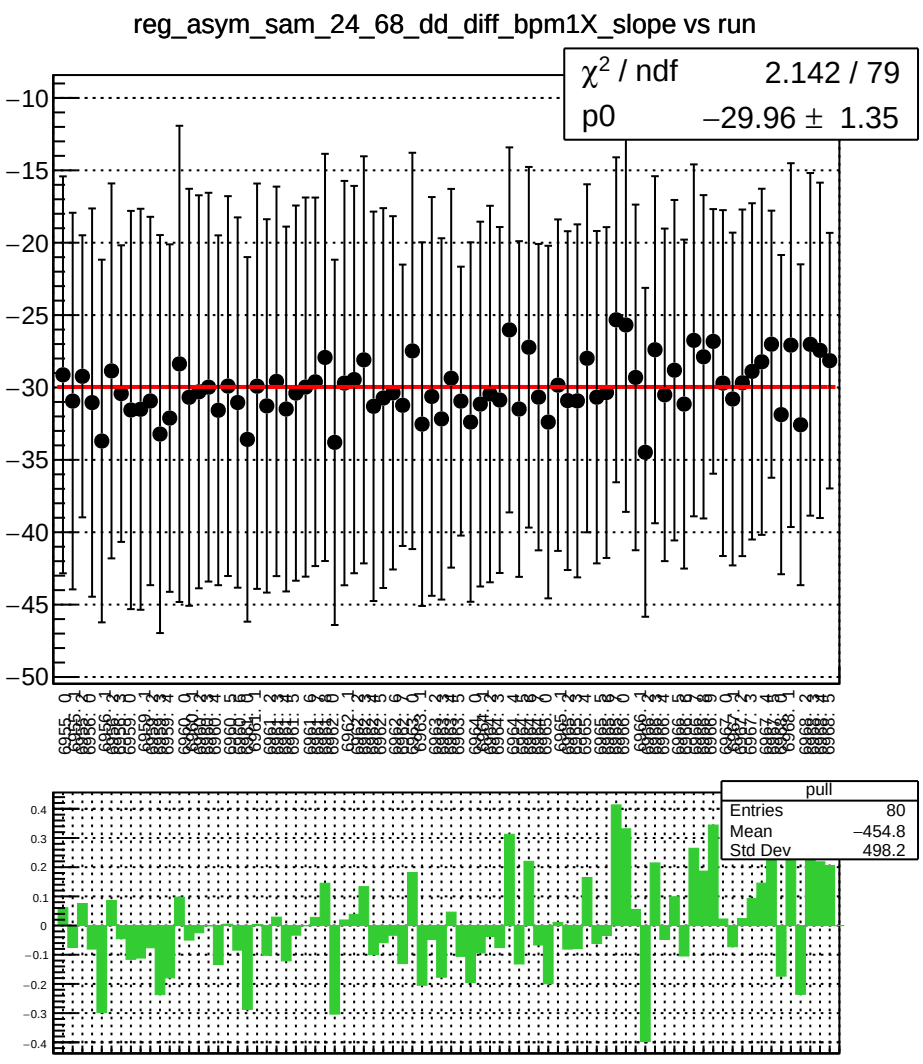

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.294 / 79
p0 33.43 ± 0.4699
pull
Entries 80
Mean 1547
Std Dev 1501

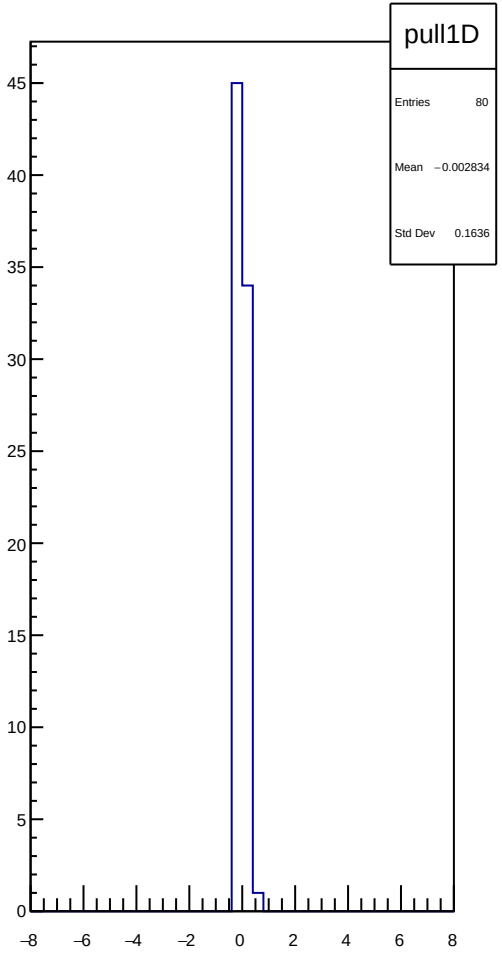

pull1D
Entries 80
Mean 0.001358
Std Dev 0.2805

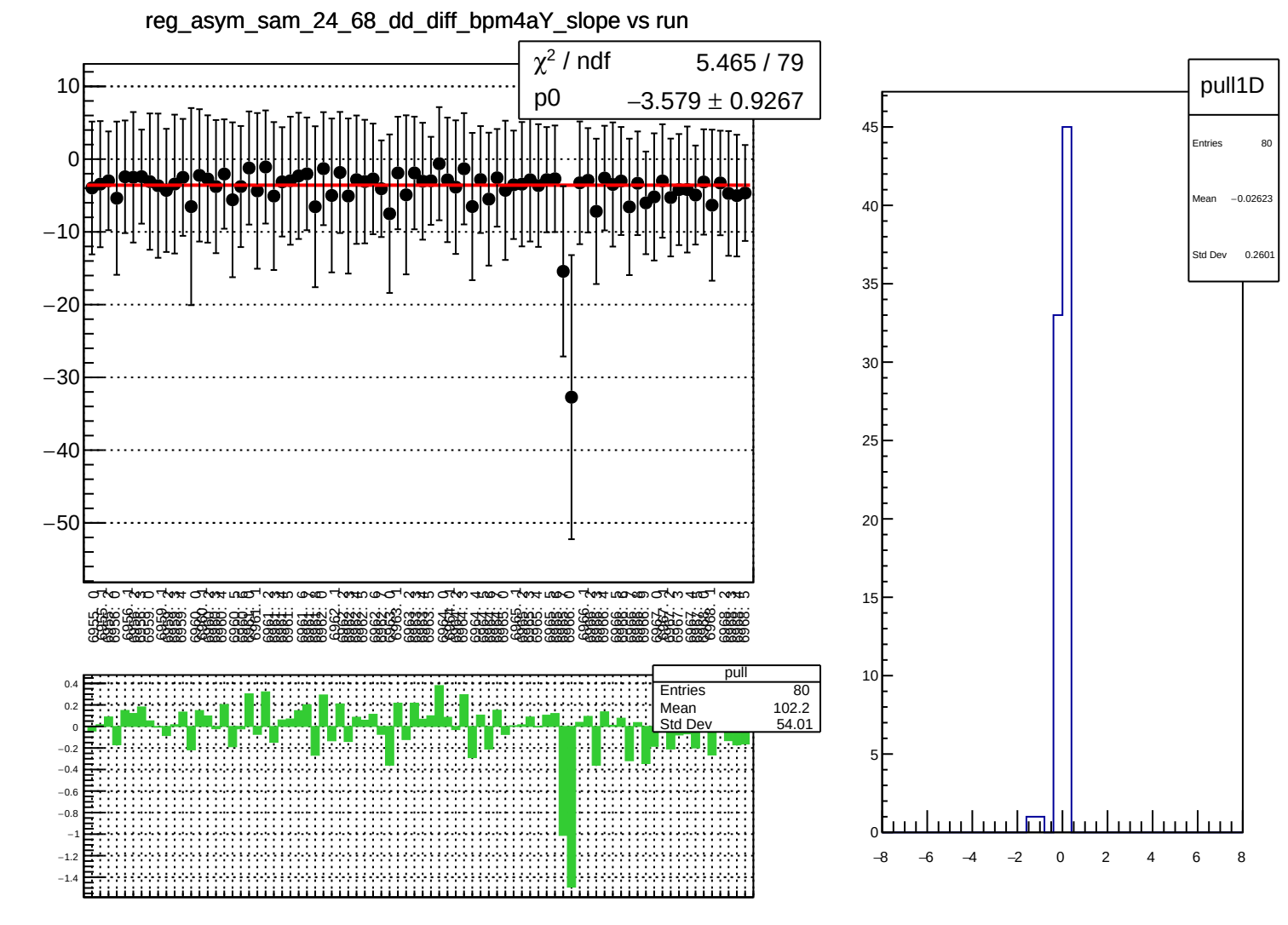

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.392 / 79
p0 20.53 ± 0.3965
pull
Entries 80
Mean −34.52
Std Dev 57.84

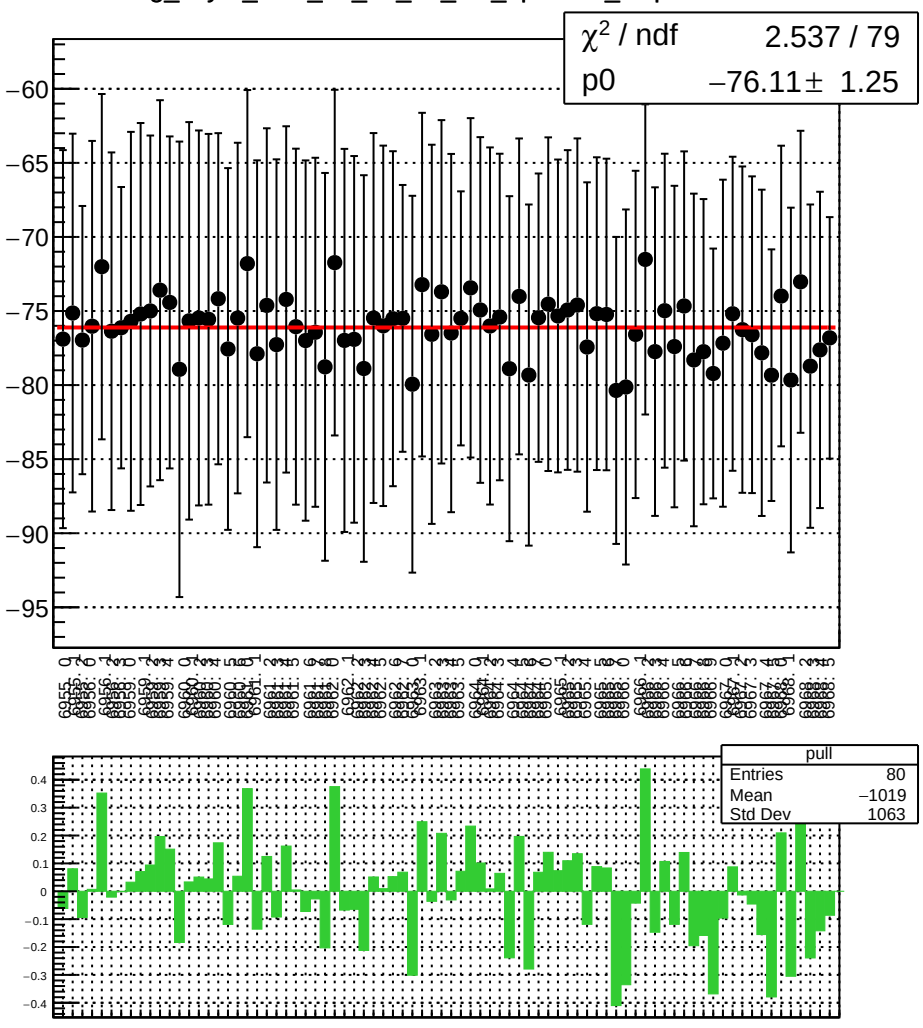

pull1D
Entries 80
Mean −0.01485
Std Dev 0.2054

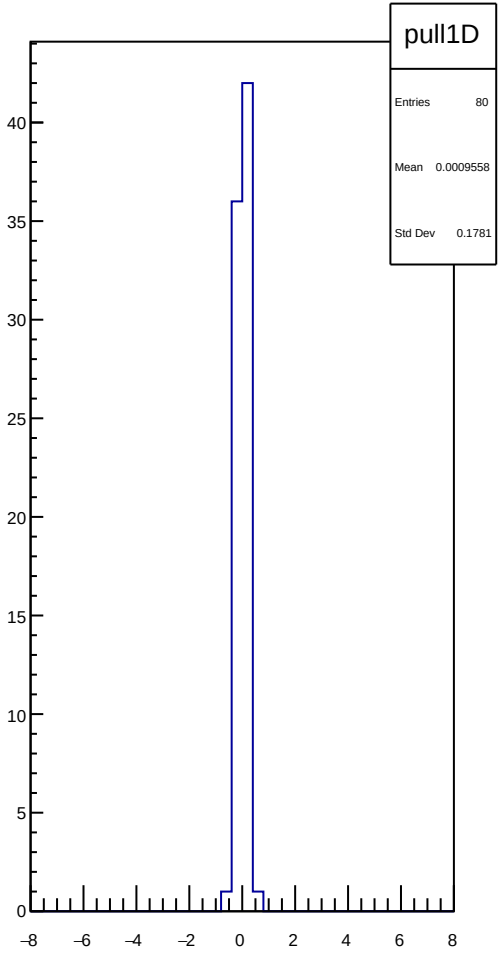

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.735 / 79
p0 −0.2152 ± 0.01548
pull
Entries 80
Mean −1504
Std Dev 1540
pull1D
Entries 80
Mean 0.003019
Std Dev 0.2901

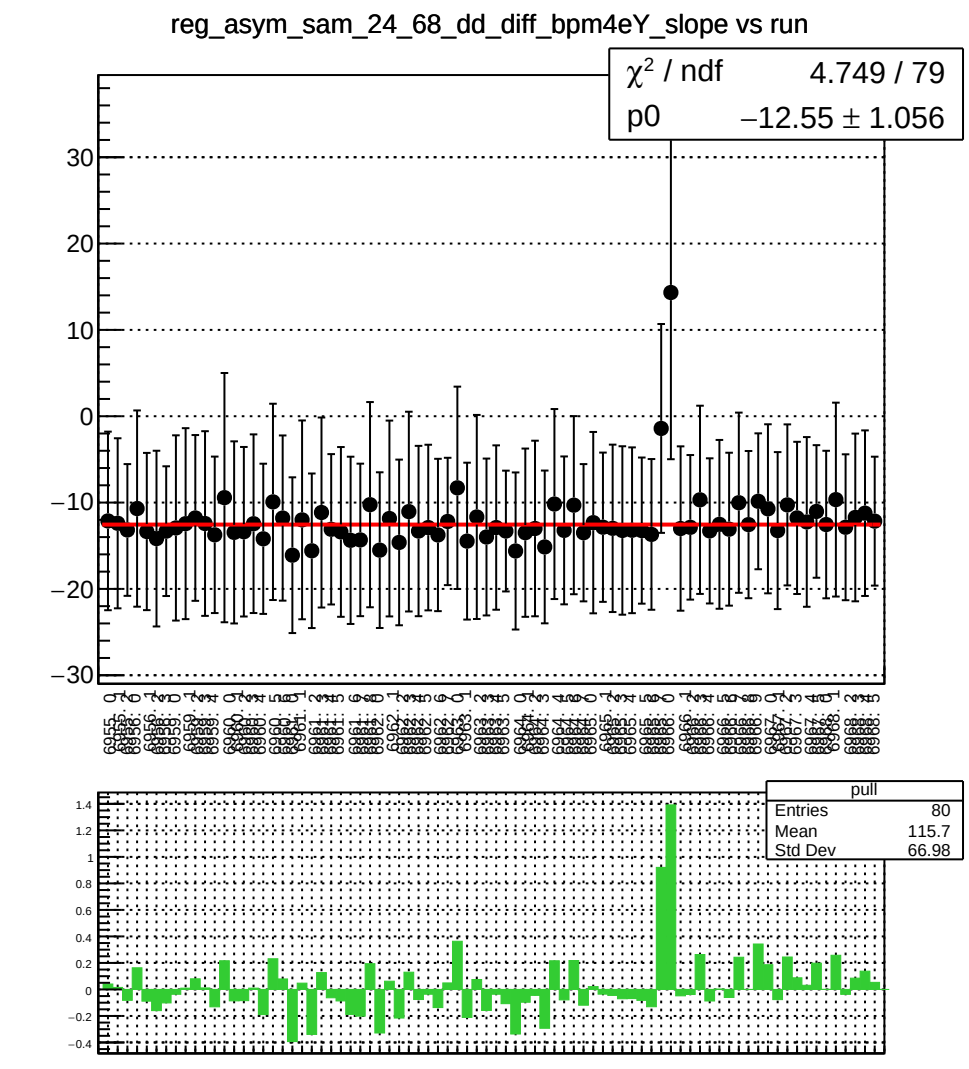

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.142 / 79
p0 −29.96 ± 1.35
pull
Entries 80
Mean −454.8
Std Dev 498.2

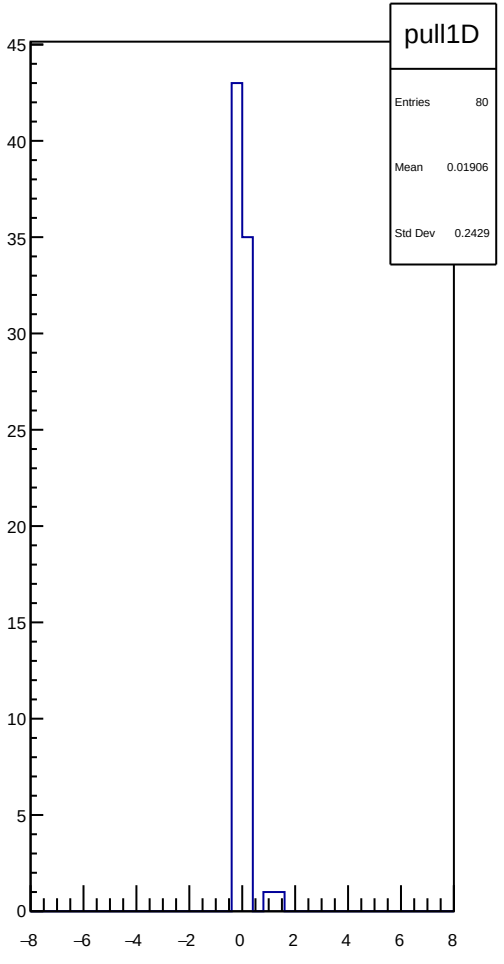

pull1D
Entries 80
Mean −0.002834
Std Dev 0.1636

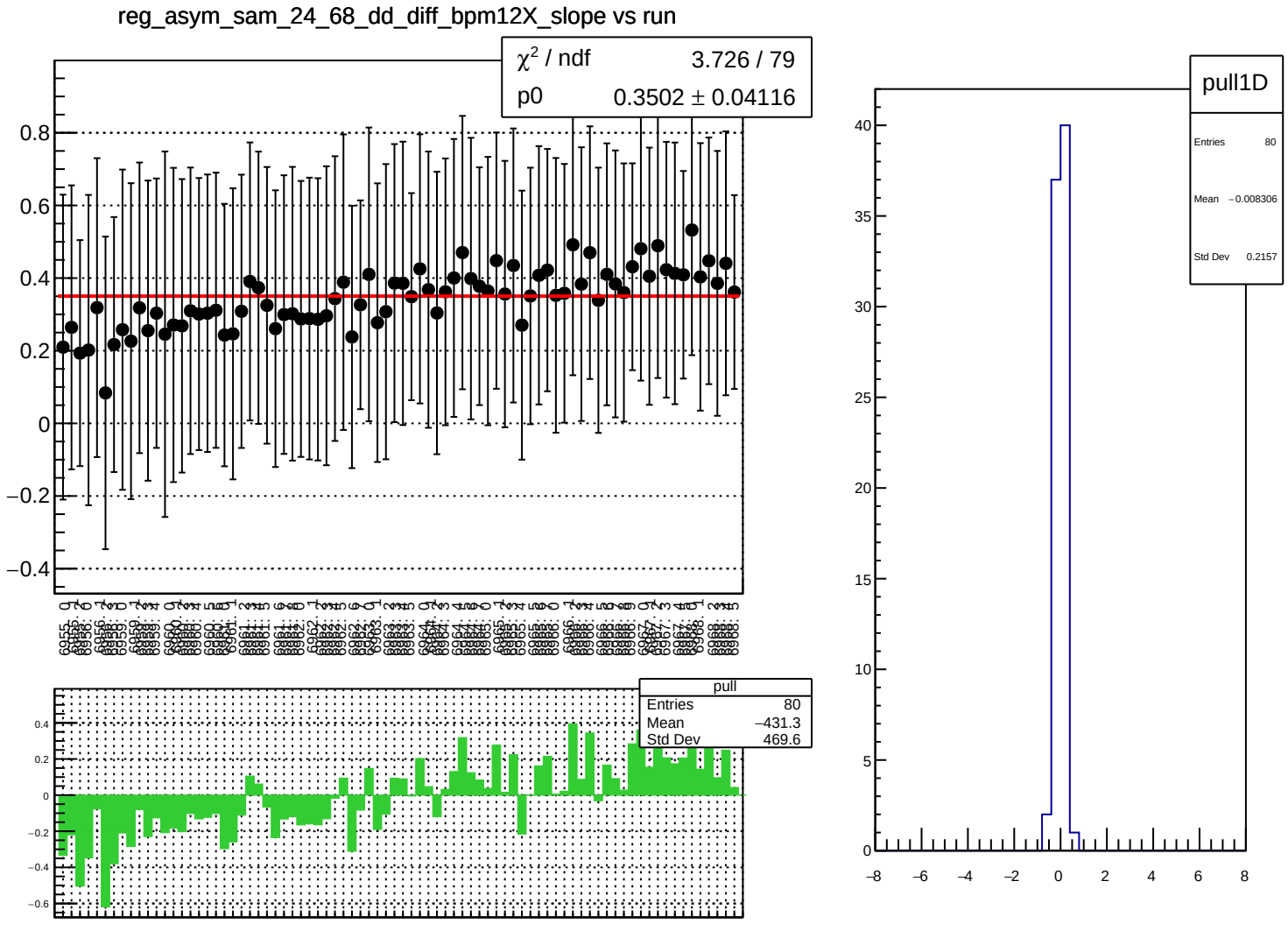

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.465 / 79
p0 −3.579 ± 0.9267
pull
Entries 80
Mean 102.2
Std Dev 54.01
pull1D
Entries 80
Mean −0.02623
Std Dev 0.2601

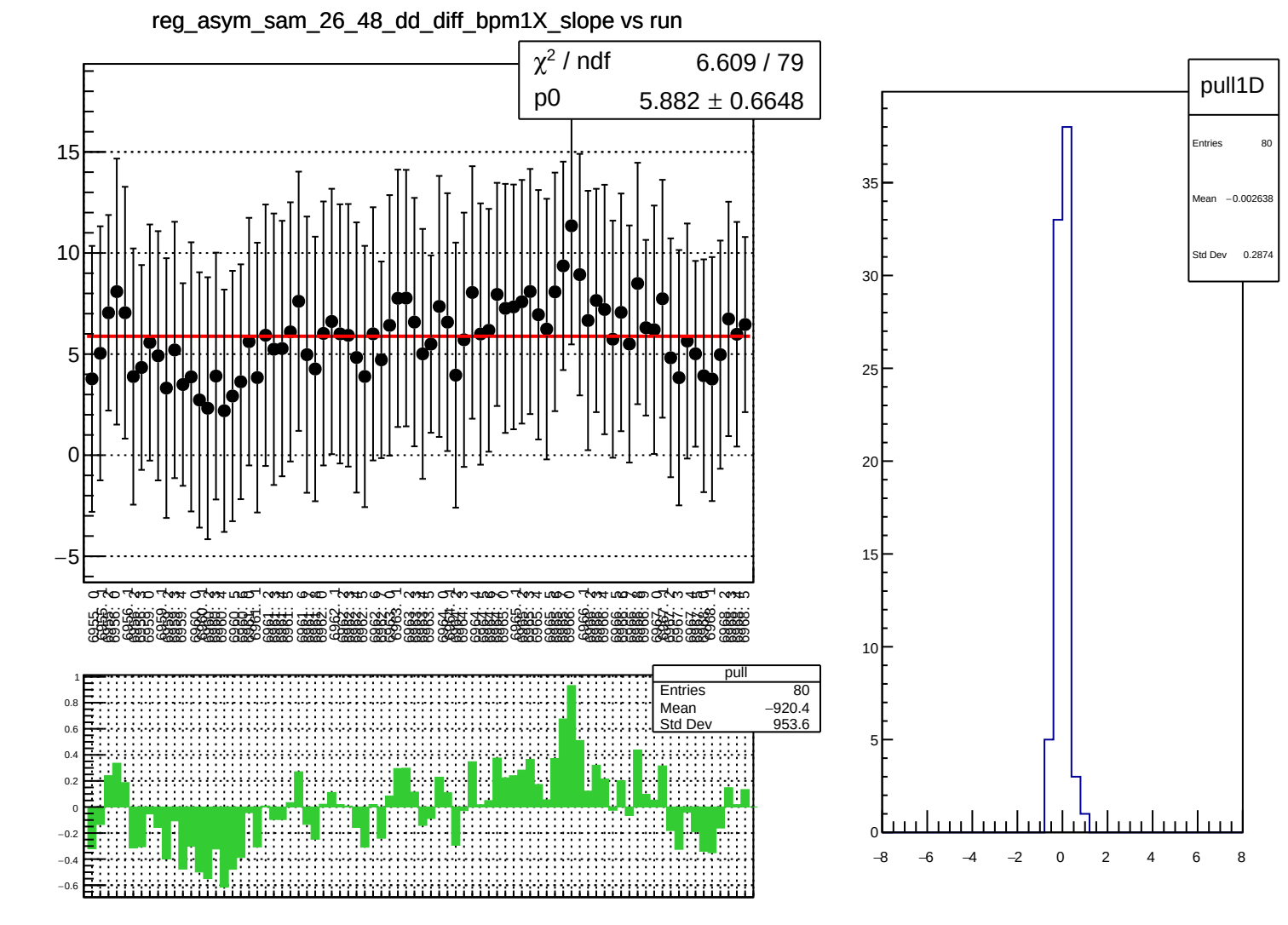

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.537 / 79
p0 −76.11 ± 1.25
pull
Entries 80
Mean −1019
Std Dev 1063

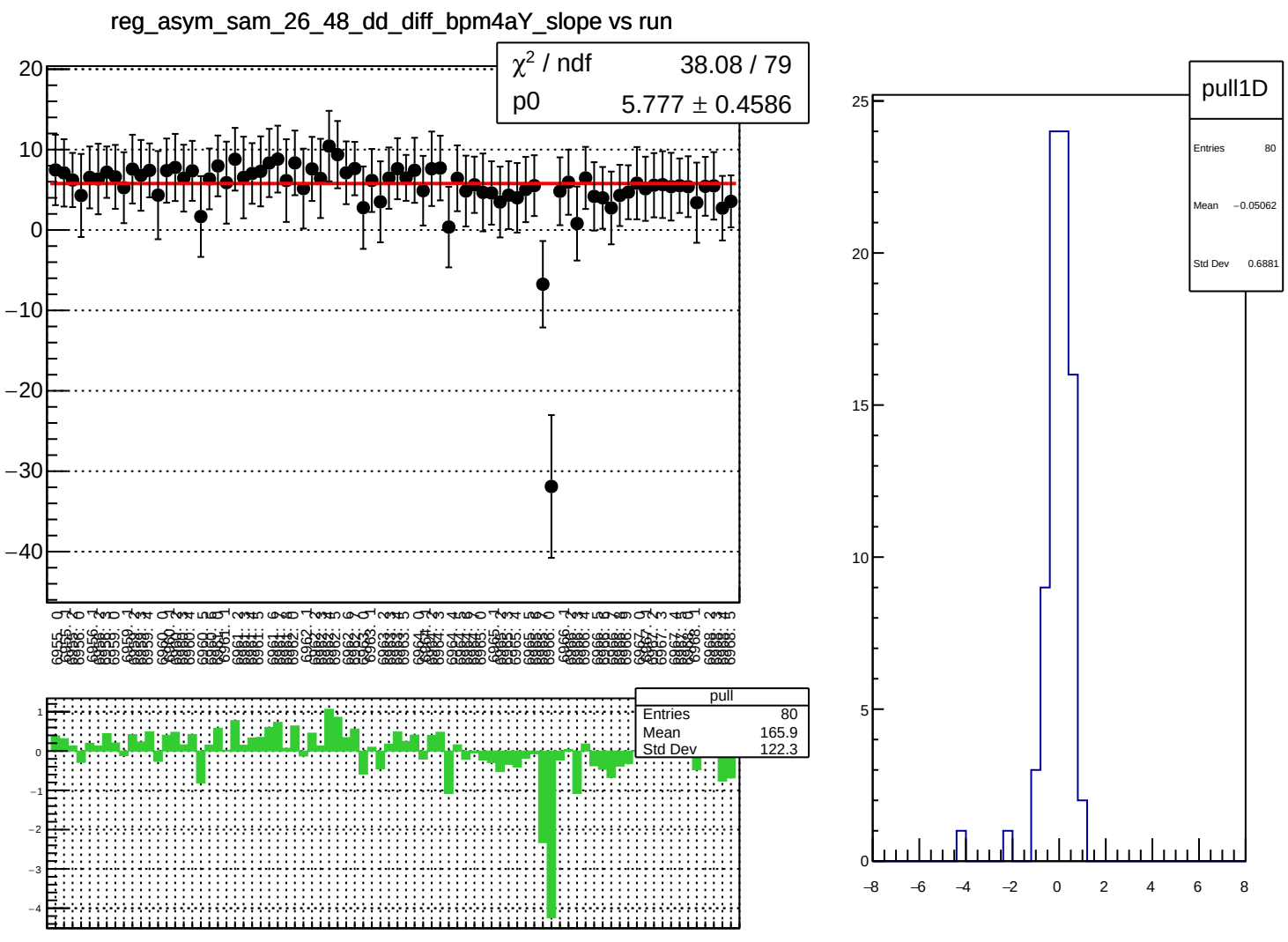

pull1D
Entries 80
Mean 0.0009558
Std Dev 0.1781

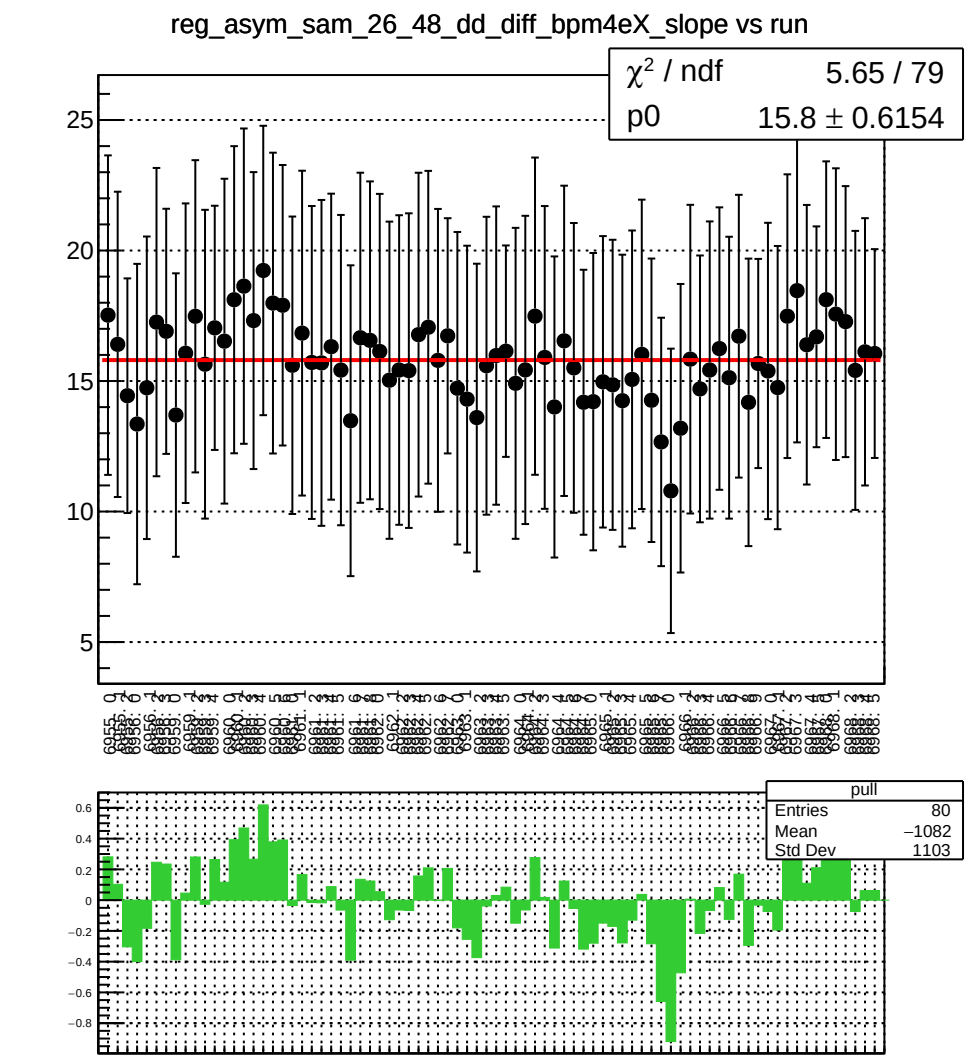

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.749 / 79
p0 −12.55 ± 1.056
pull
Entries 80
Mean 115.7
Std Dev 66.98

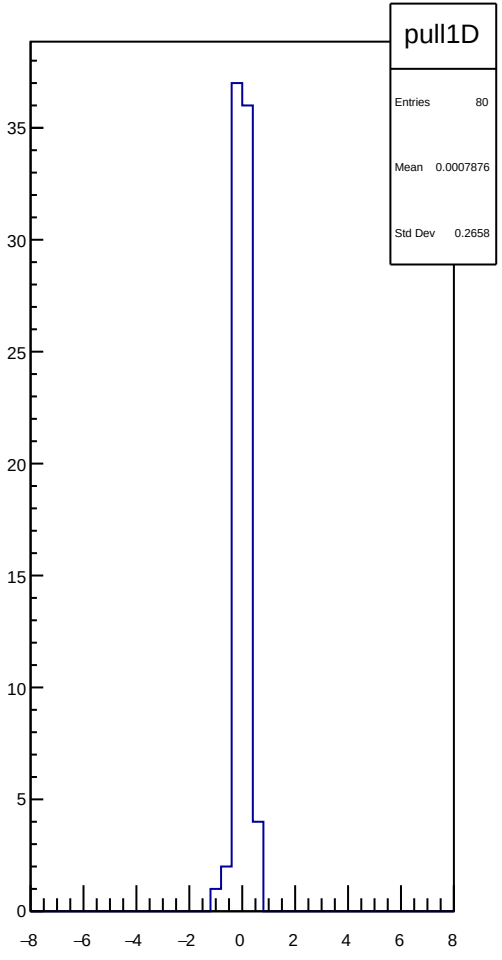

pull1D
Entries 80
Mean 0.01906
Std Dev 0.2429

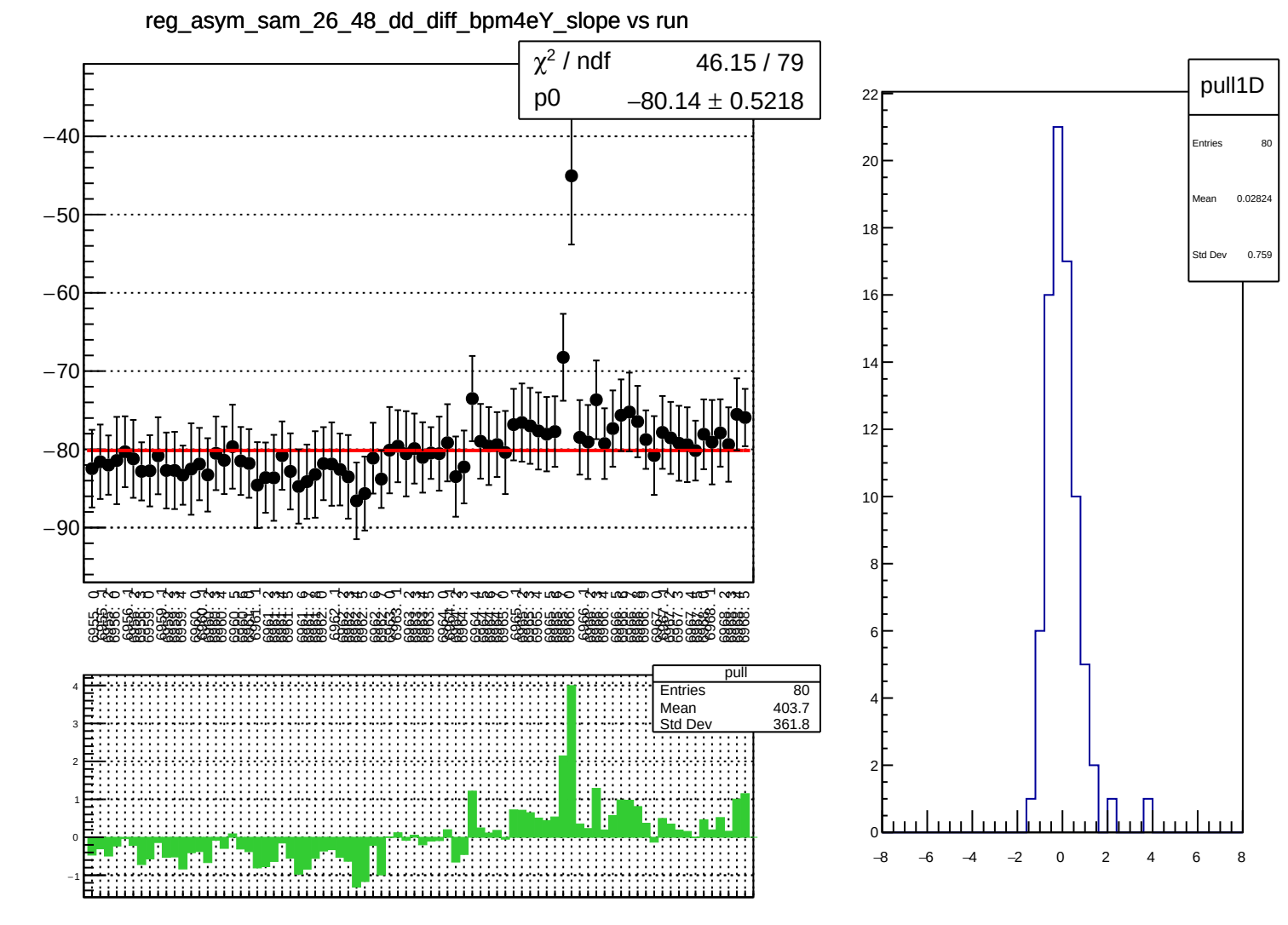

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.726 / 79
p0 0.3502 ± 0.04116
pull
Entries 80
Mean −431.3
Std Dev 469.6
pull1D
Entries 80
Mean −0.008306
Std Dev 0.2157

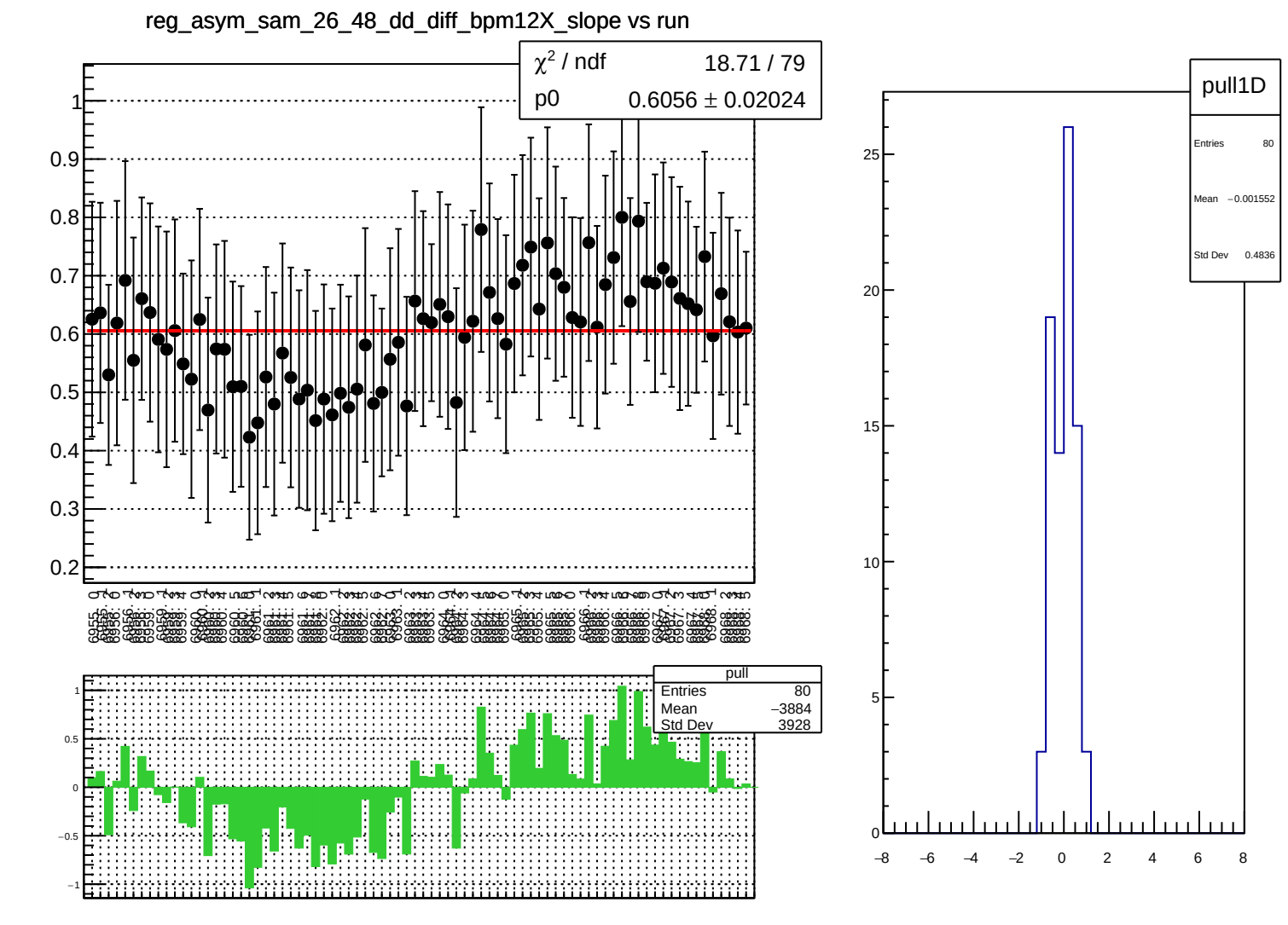

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.609 / 79
p0 5.882 ± 0.6648
pull
Entries 80
Mean −920.4
Std Dev 953.6
pull1D
Entries 80
Mean −0.002638
Std Dev 0.2874

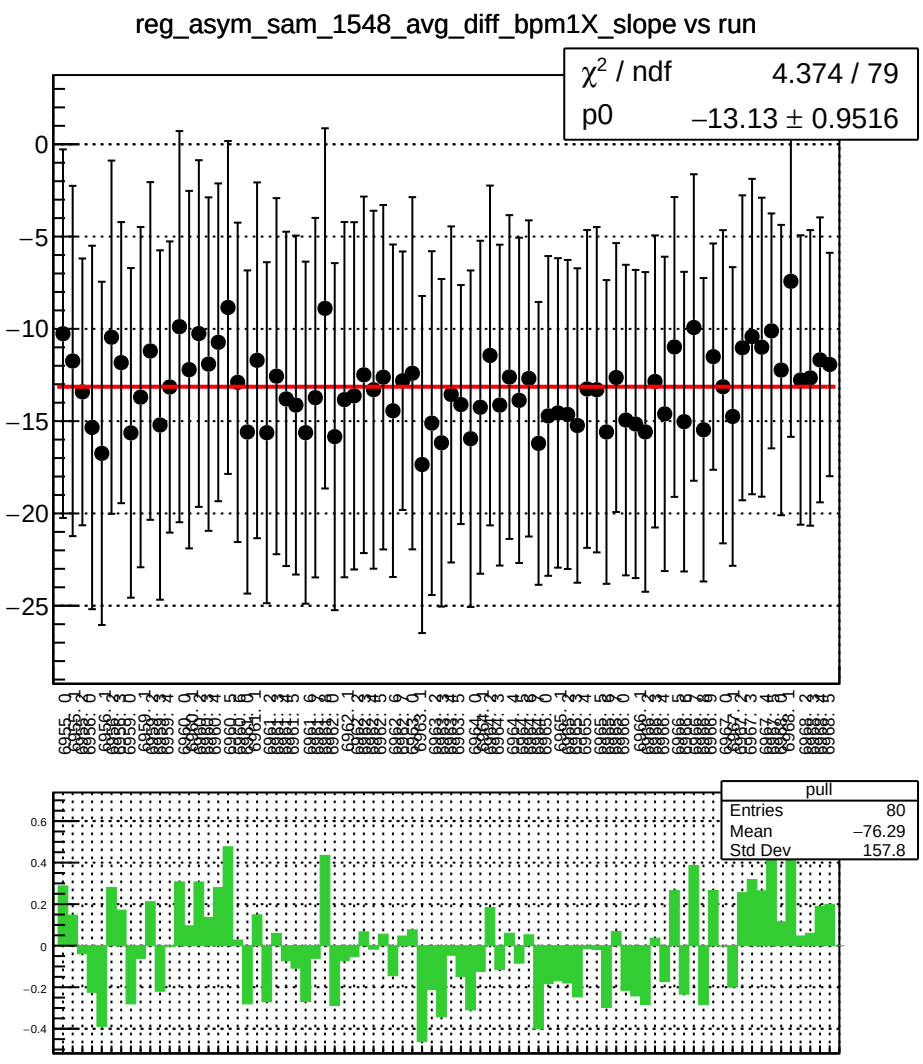

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.08 / 79
p0 5.777 ± 0.4586
pull
Entries 80
Mean 165.9
Std Dev 122.3
pull1D
Entries 80
Mean −0.05062
Std Dev 0.6881

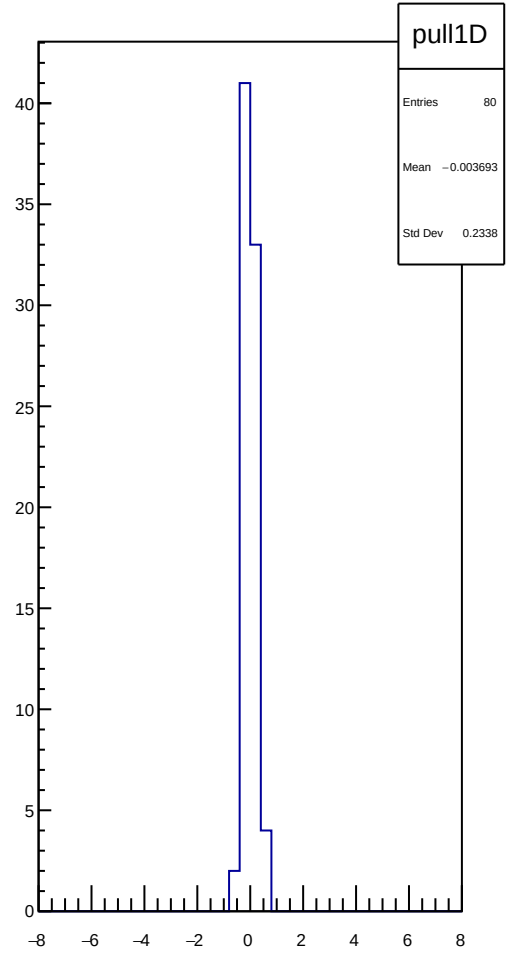

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.65 / 79
p0 15.8 ± 0.6154
pull
Entries 80
Mean −1082
Std Dev 1103

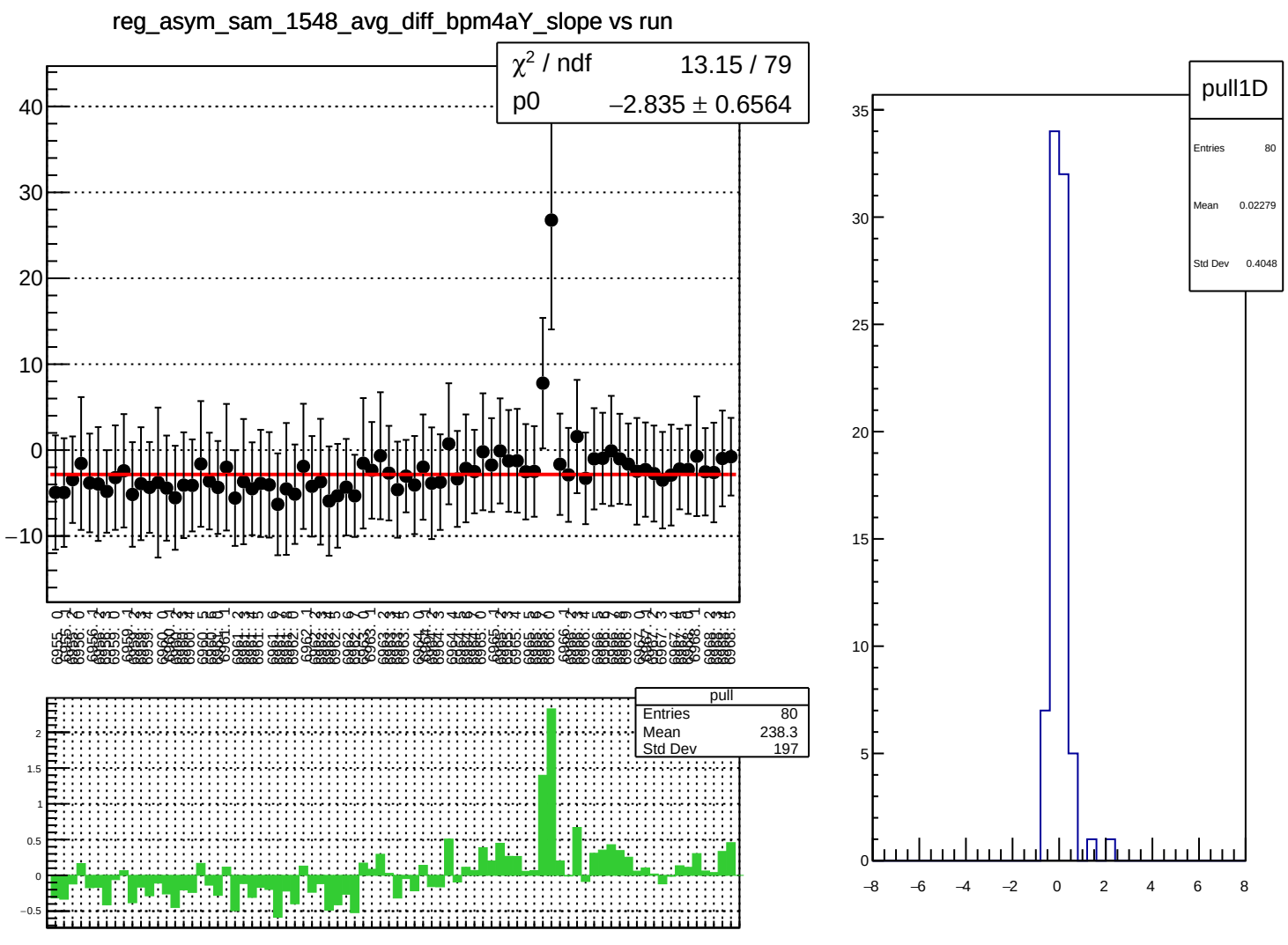

pull1D
Entries 80
Mean 0.0007876
Std Dev 0.2658

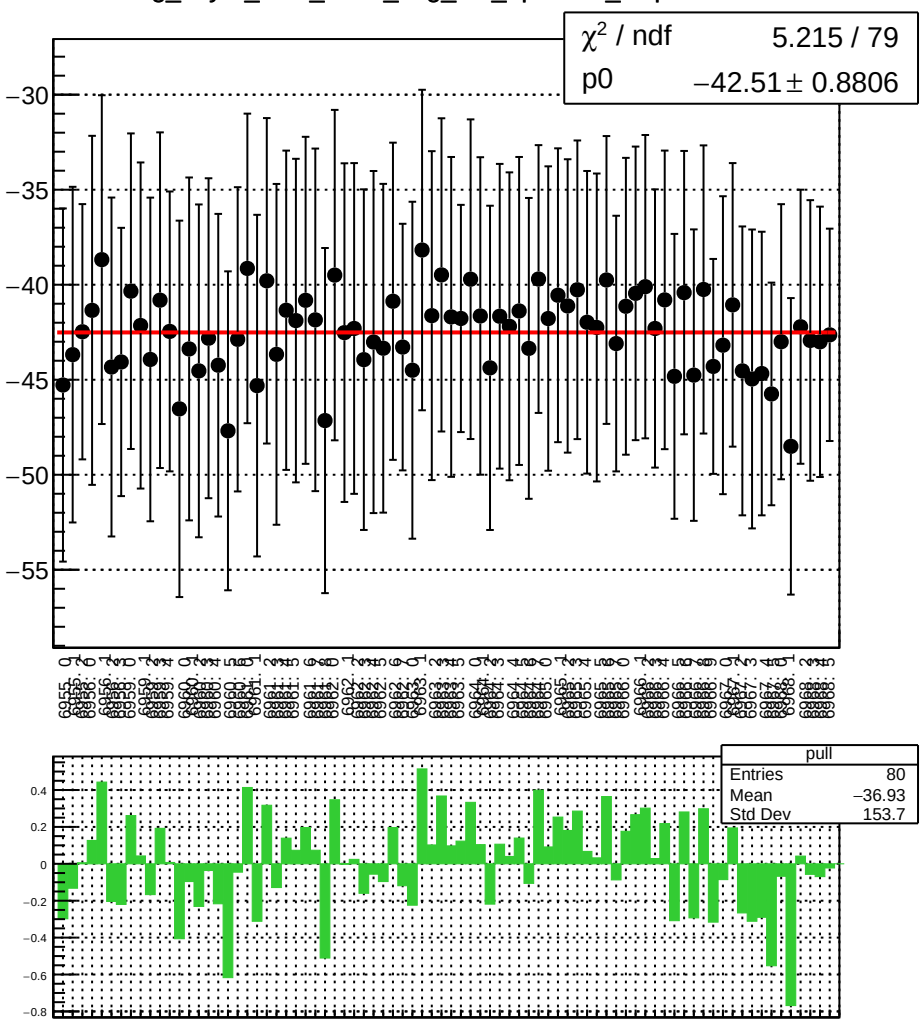

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.15 / 79
p0 −80.14 ± 0.5218
pull
Entries 80
Mean 403.7
Std Dev 361.8
pull1D
Entries 80
Mean 0.02824
Std Dev 0.759

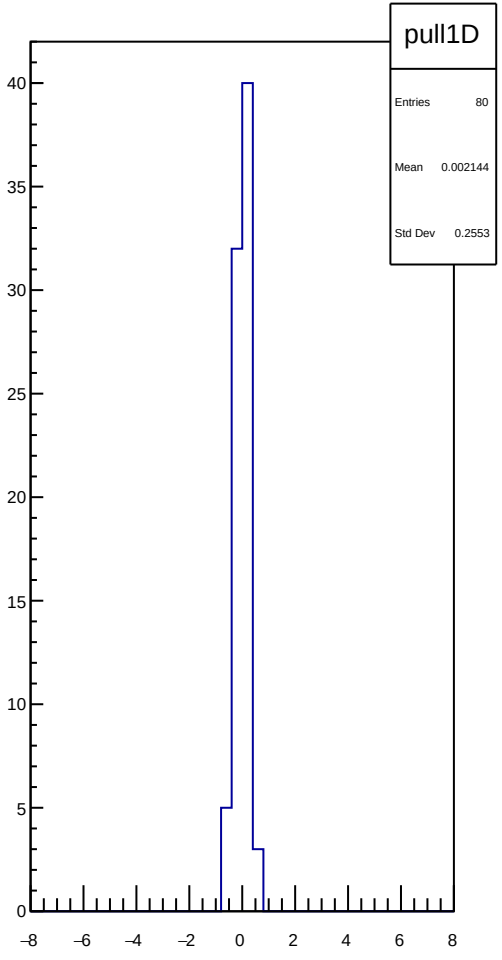

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.71 / 79
p0 0.6056 ± 0.02024
pull
Entries 80
Mean −3884
Std Dev 3928
pull1D
Entries 80
Mean −0.001552
Std Dev 0.4836

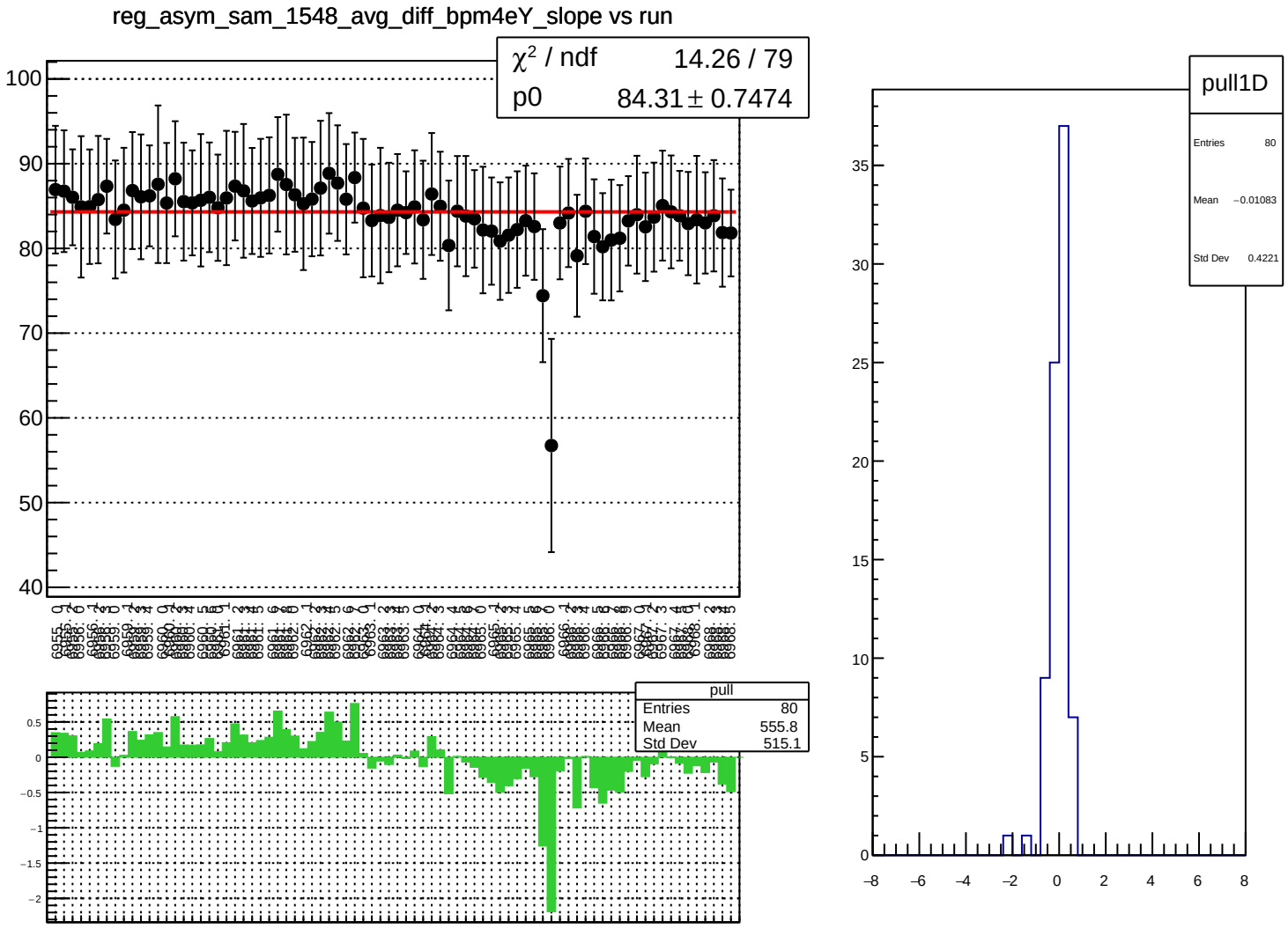

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 4.374 / 79
p0 −13.13 ± 0.9516
pull
Entries 80
Mean −76.29
Std Dev 157.8

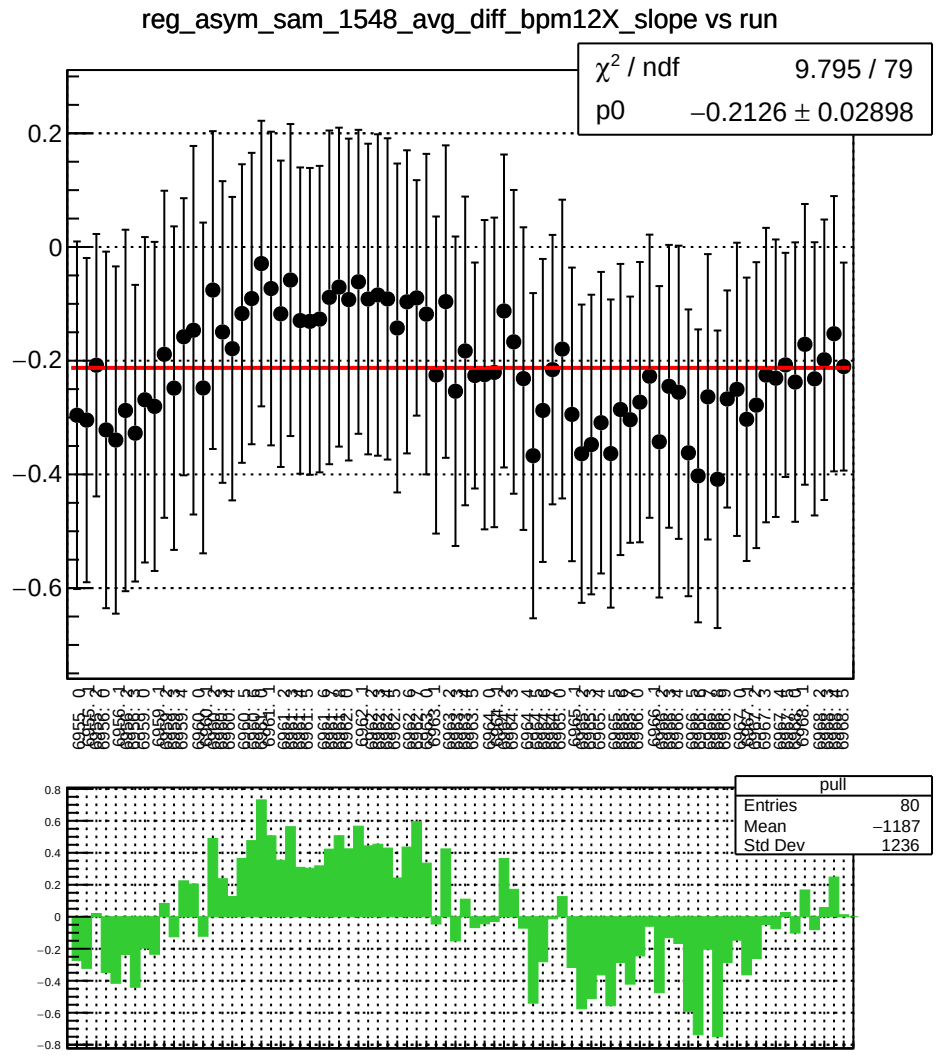

pull1D
Entries 80
Mean −0.003693
Std Dev 0.2338

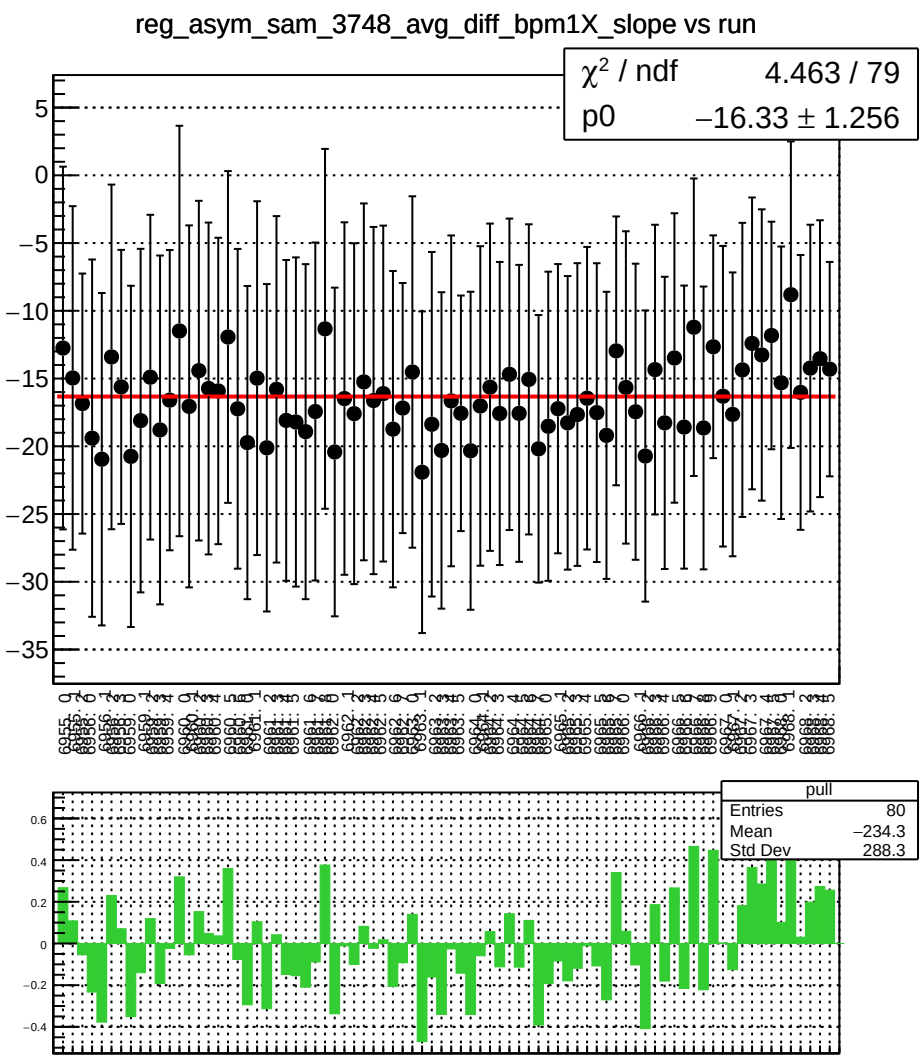

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.15 / 79
p0 −2.835 ± 0.6564
pull
Entries 80
Mean 238.3
Std Dev 197
pull1D
Entries 80
Mean 0.02279
Std Dev 0.4048

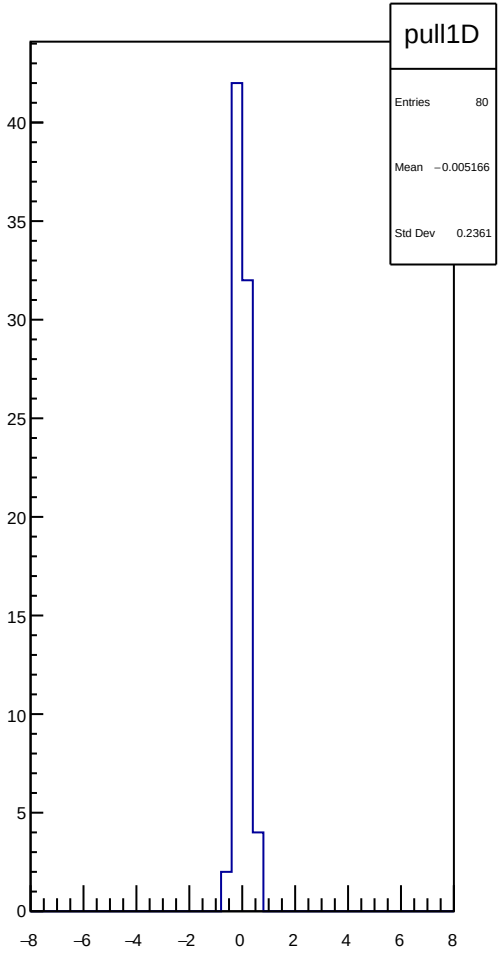

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.215 / 79
p0 −42.51 ± 0.8806
pull
Entries 80
Mean −36.93
Std Dev 153.7

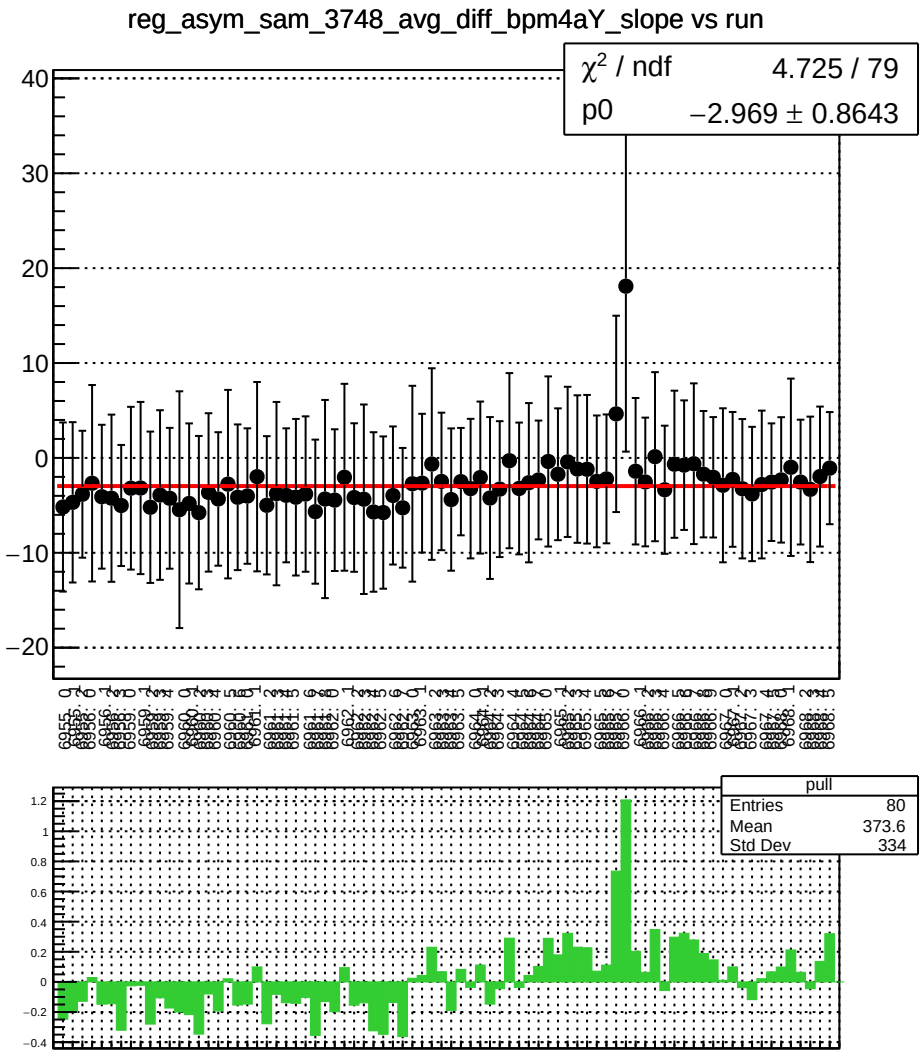

pull1D
Entries 80
Mean 0.002144
Std Dev 0.2553

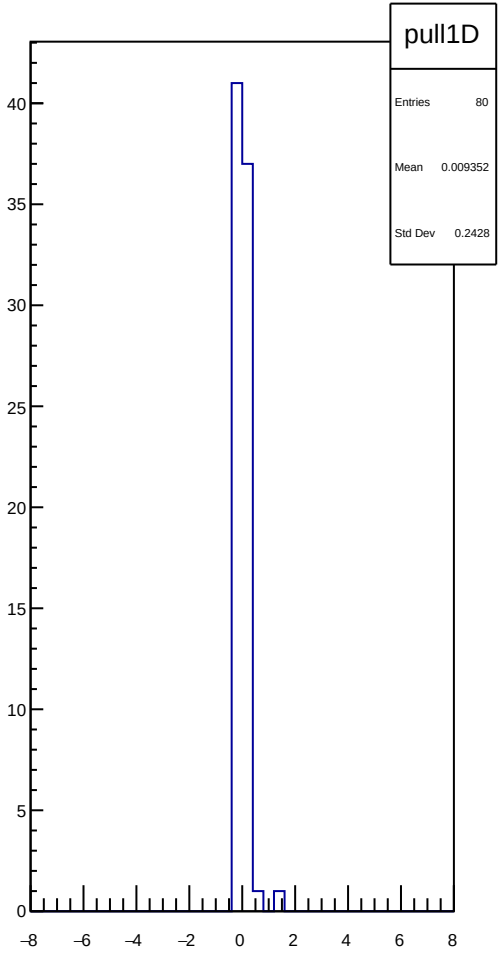

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.26 / 79
p0 84.31 ± 0.7474
pull
Entries 80
Mean 555.8
Std Dev 515.1
pull1D
Entries 80
Mean −0.01083
Std Dev 0.4221

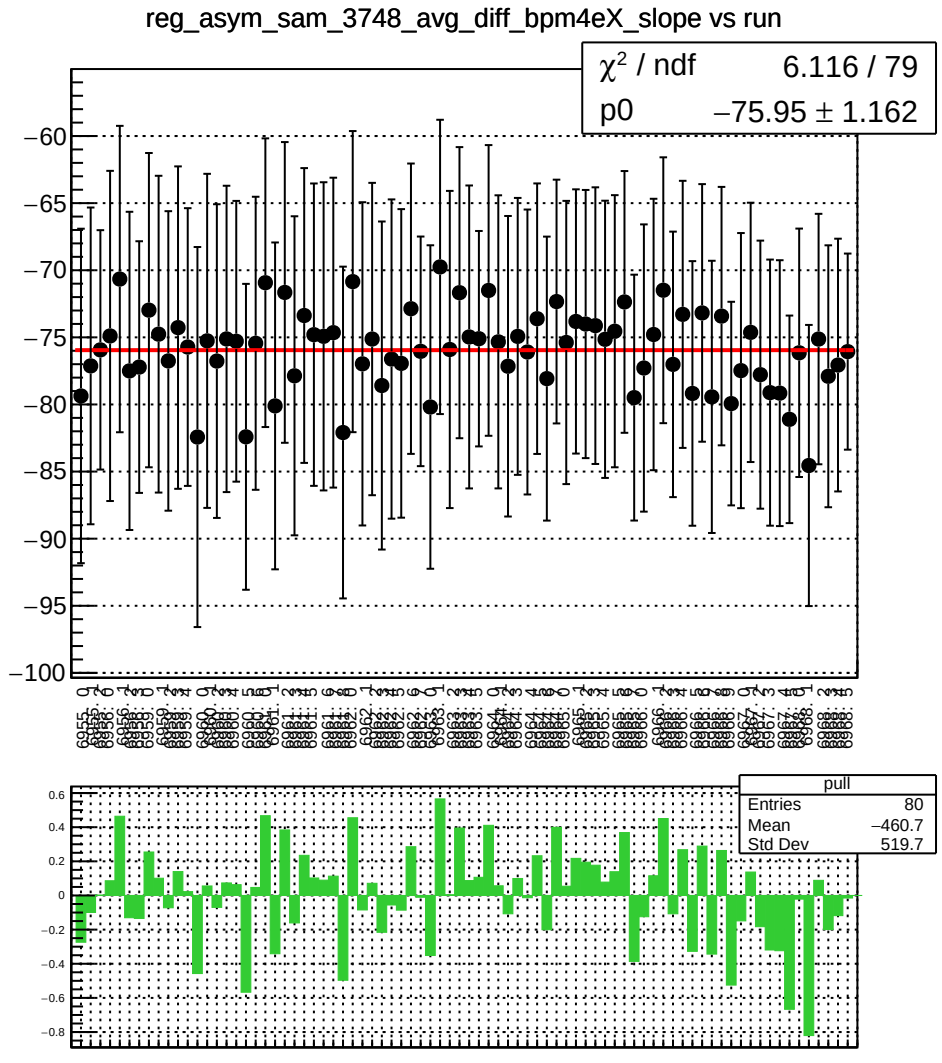

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 9.795 / 79
p0 −0.2126 ± 0.02898
pull
Entries 80
Mean −1187
Std Dev 1236
pull1D
Entries 80
Mean 0.002108
Std Dev 0.3499

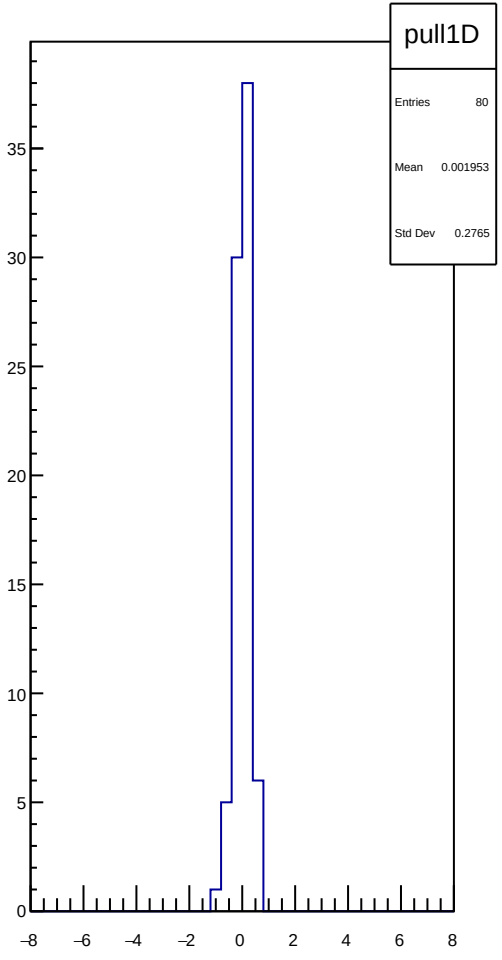

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 4.463 / 79
p0 −16.33 ± 1.256
pull
Entries 80
Mean −234.3
Std Dev 288.3

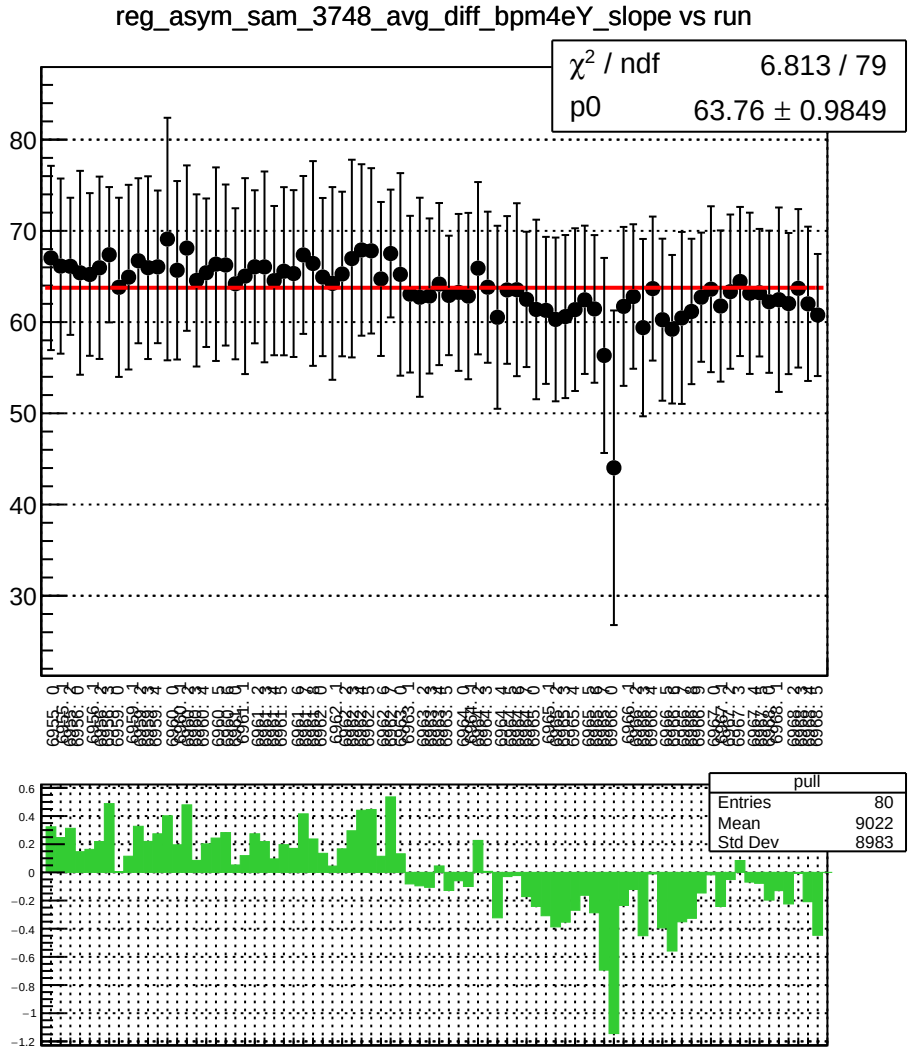

pull1D
Entries 80
Mean −0.005166
Std Dev 0.2361

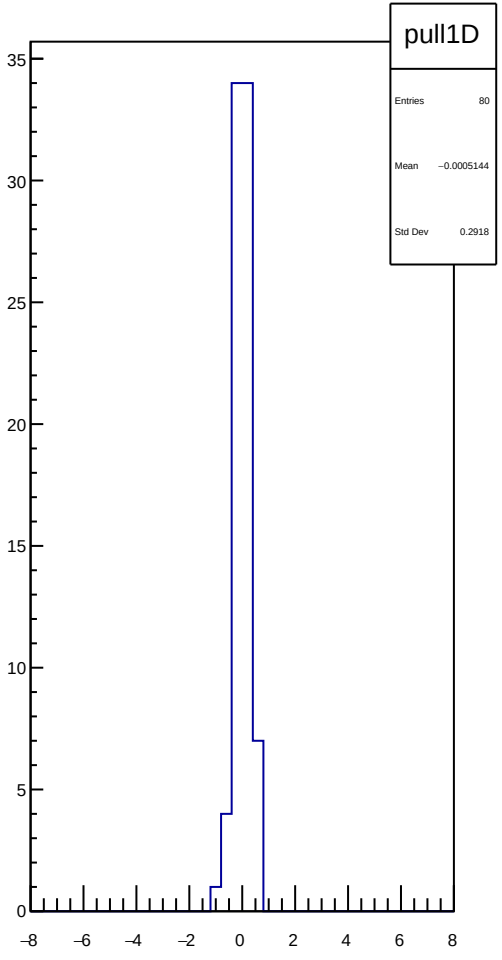

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.725 / 79
p0 −2.969 ± 0.8643
pull
Entries 80
Mean 373.6
Std Dev 334

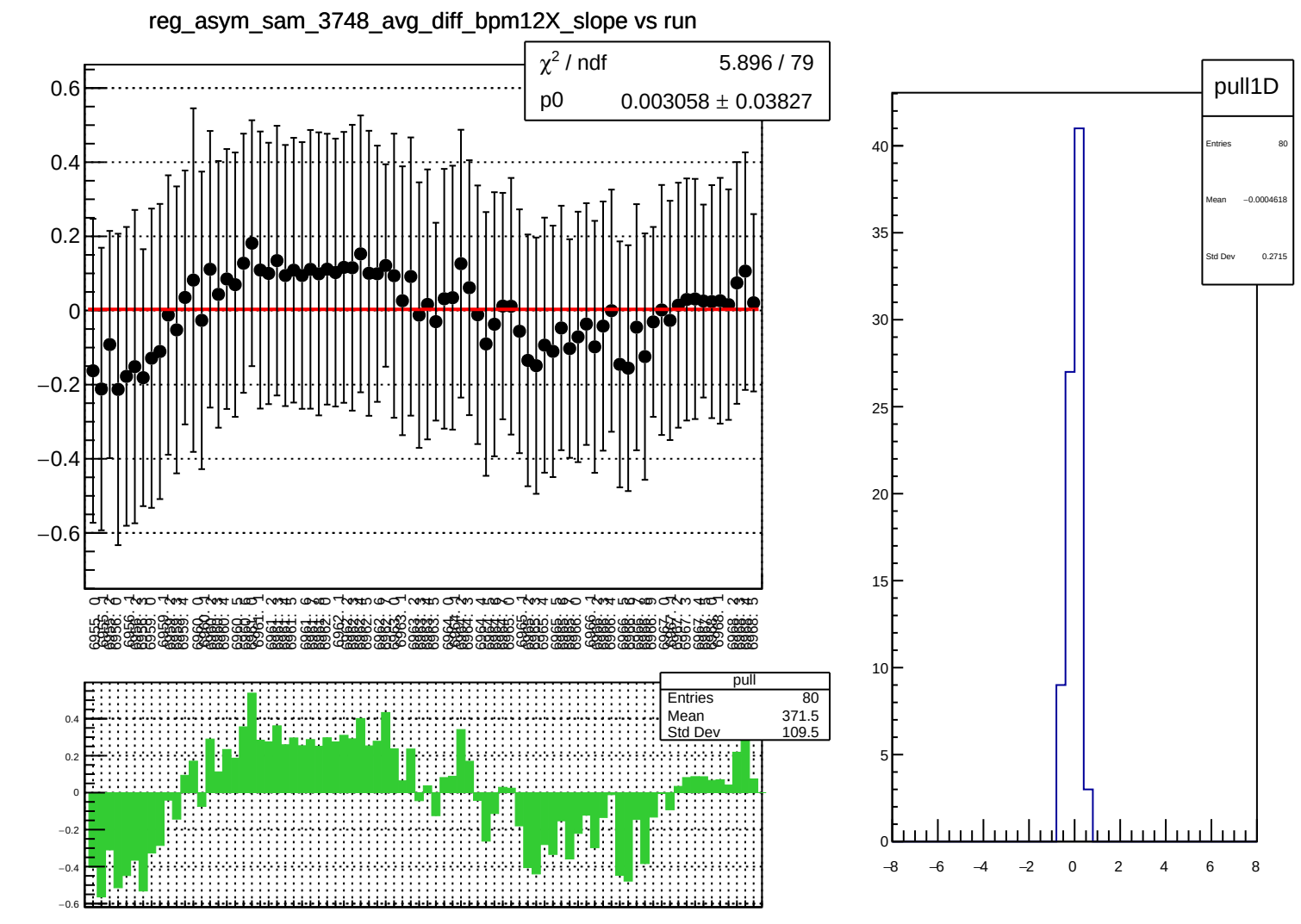

pull1D
Entries 80
Mean 0.009352
Std Dev 0.2428

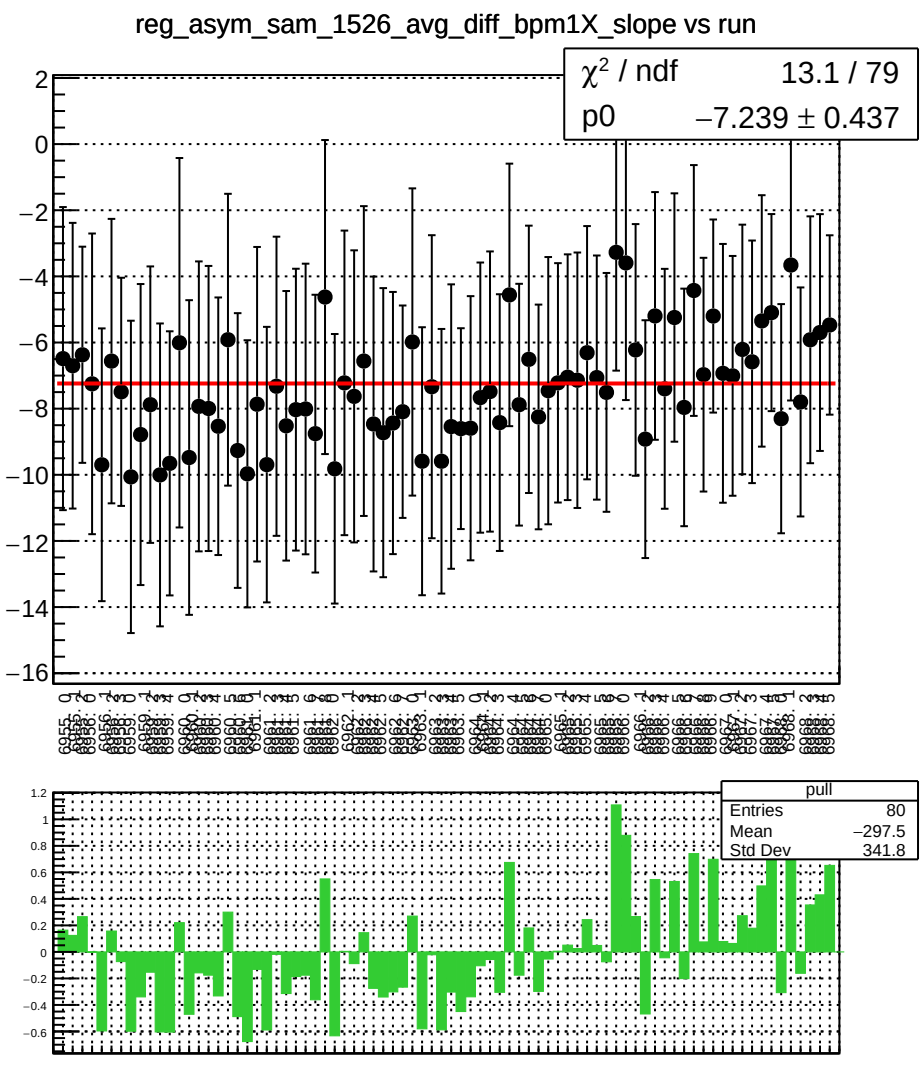

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.116 / 79
p0 −75.95 ± 1.162
pull
Entries 80
Mean −460.7
Std Dev 519.7

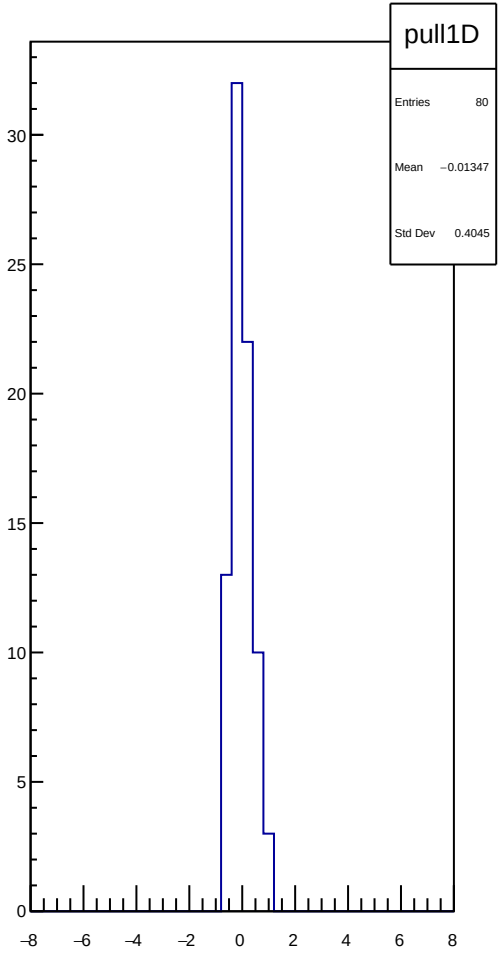

pull1D
Entries 80
Mean 0.001953
Std Dev 0.2765

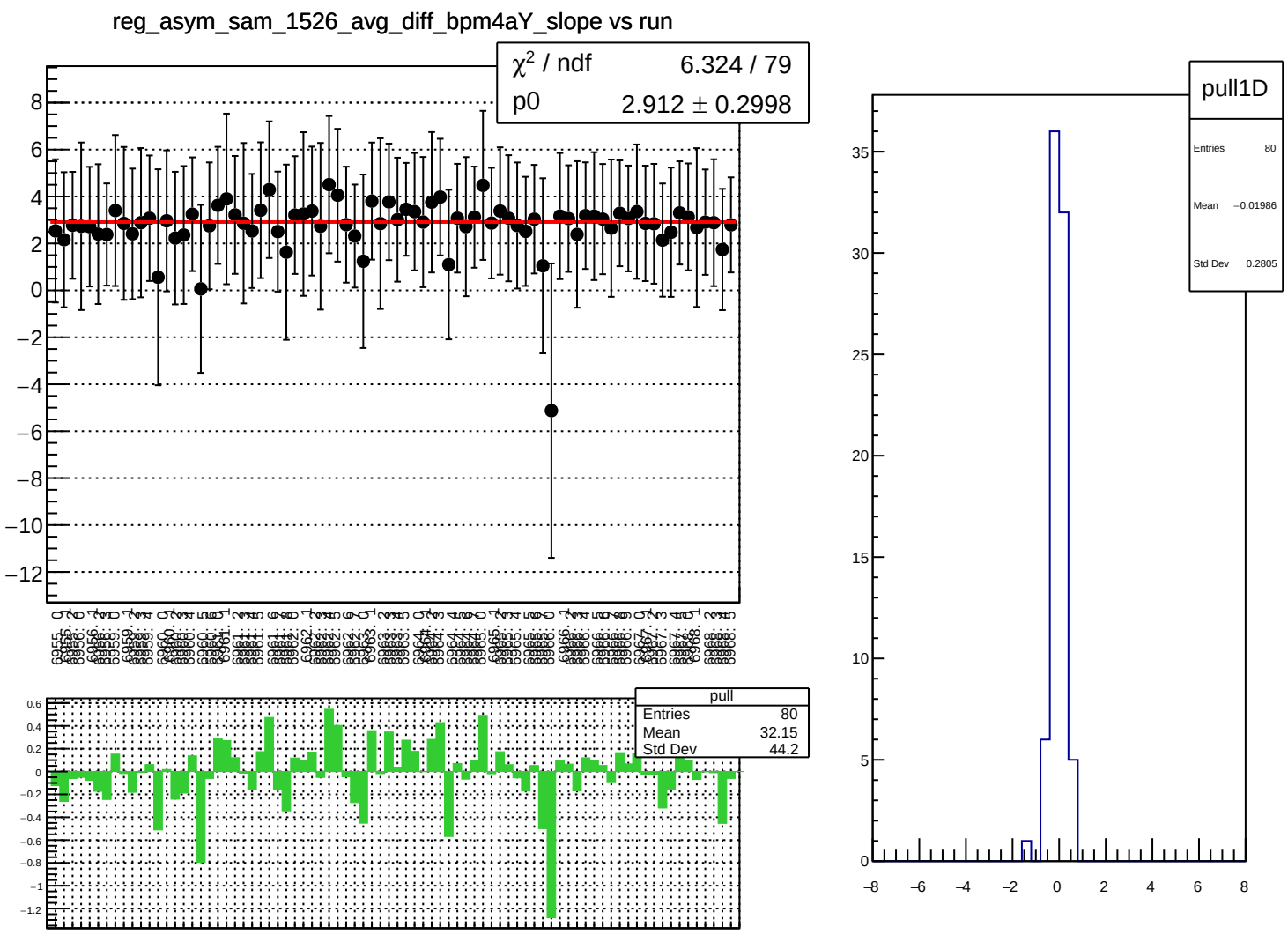

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.813 / 79
p0 63.76 ± 0.9849
pull
Entries 80
Mean 9022
Std Dev 8983

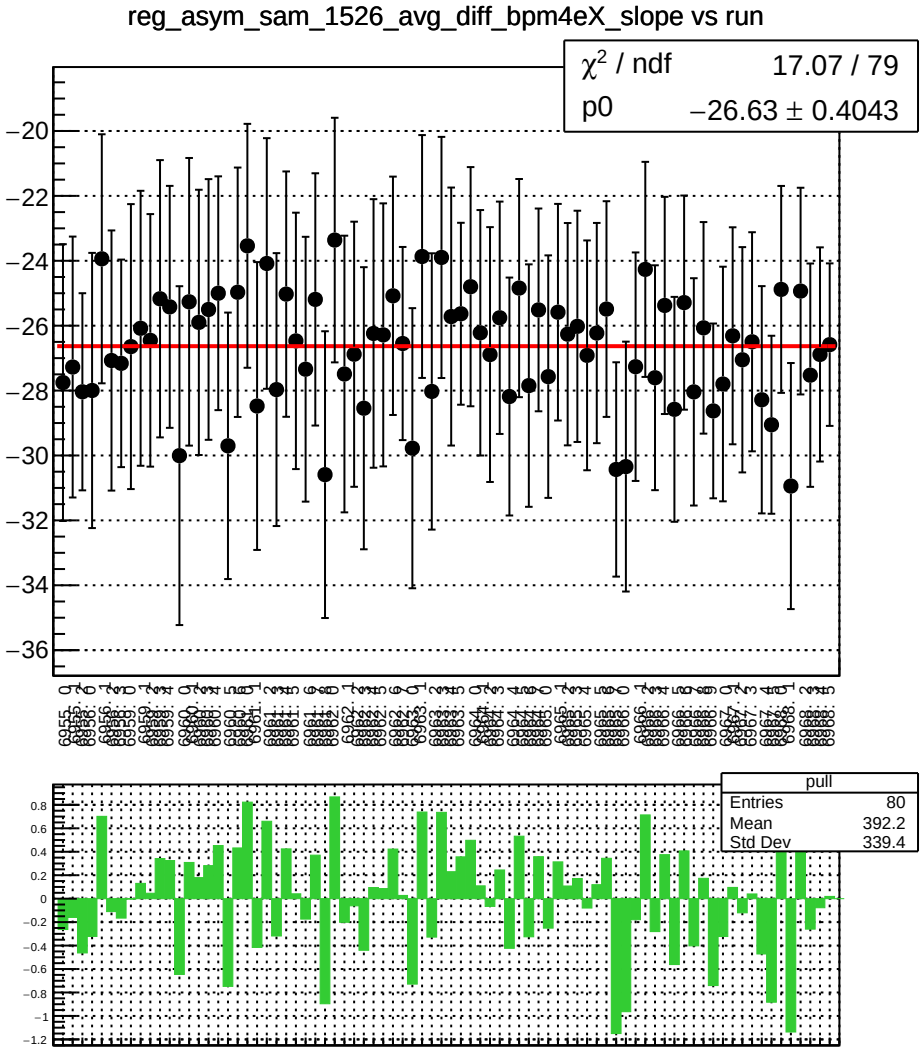

pull1D
Entries 80
Mean −0.0005144
Std Dev 0.2918

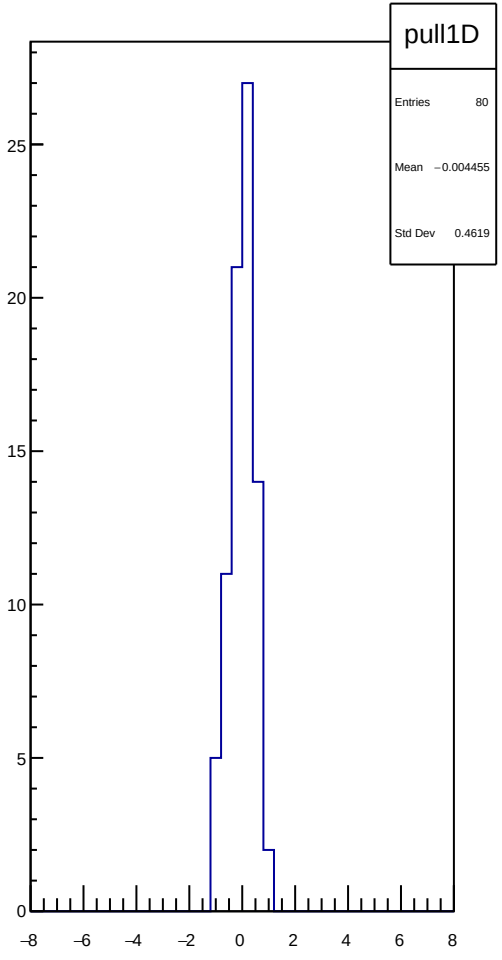

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 5.896 / 79
p0 0.003058 ± 0.03827
pull
Entries 80
Mean 371.5
Std Dev 109.5
pull1D
Entries 80
Mean −0.0004618
Std Dev 0.2715

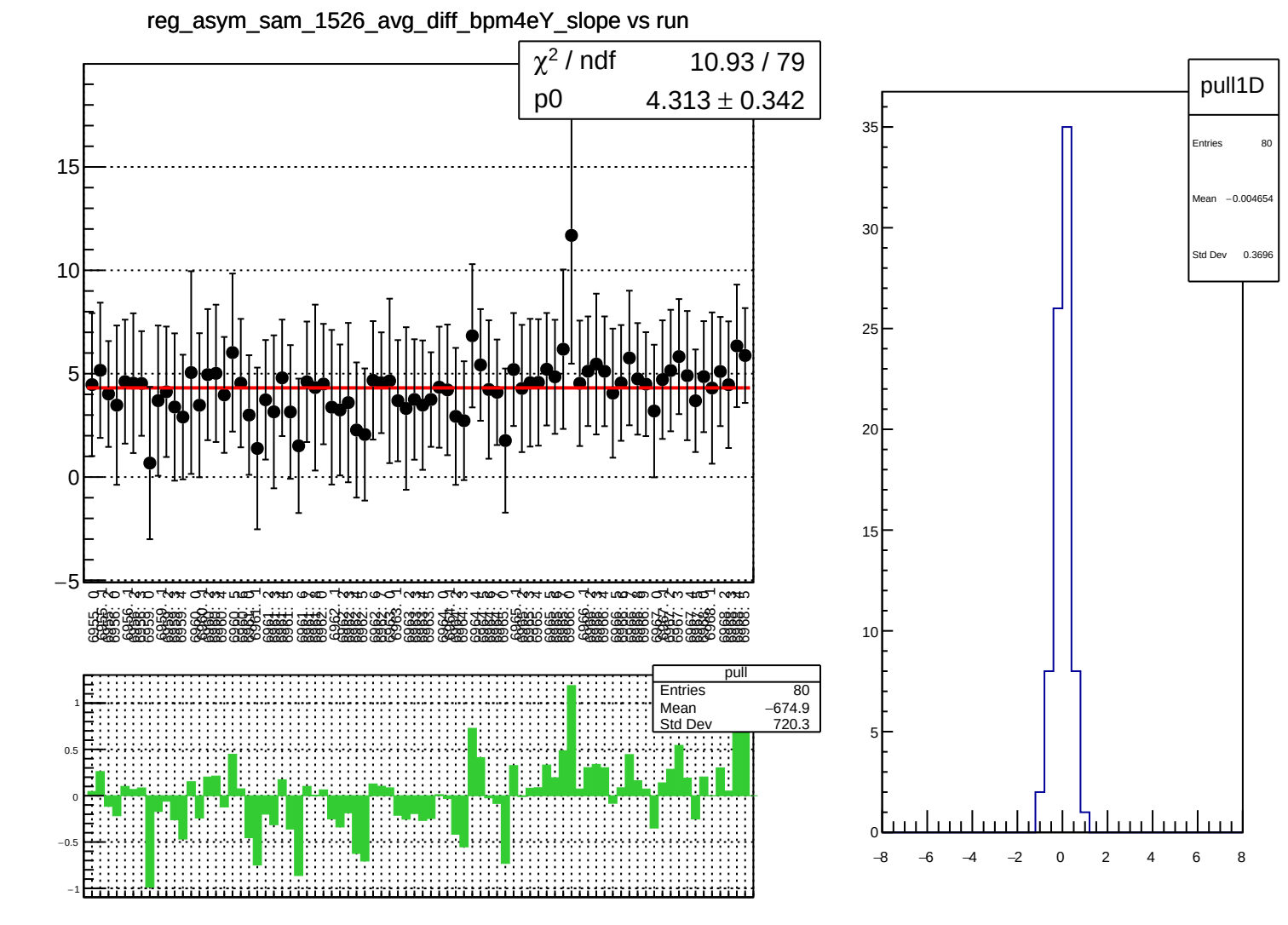

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 13.1 / 79
p0 −7.239 ± 0.437
pull
Entries 80
Mean −297.5
Std Dev 341.8

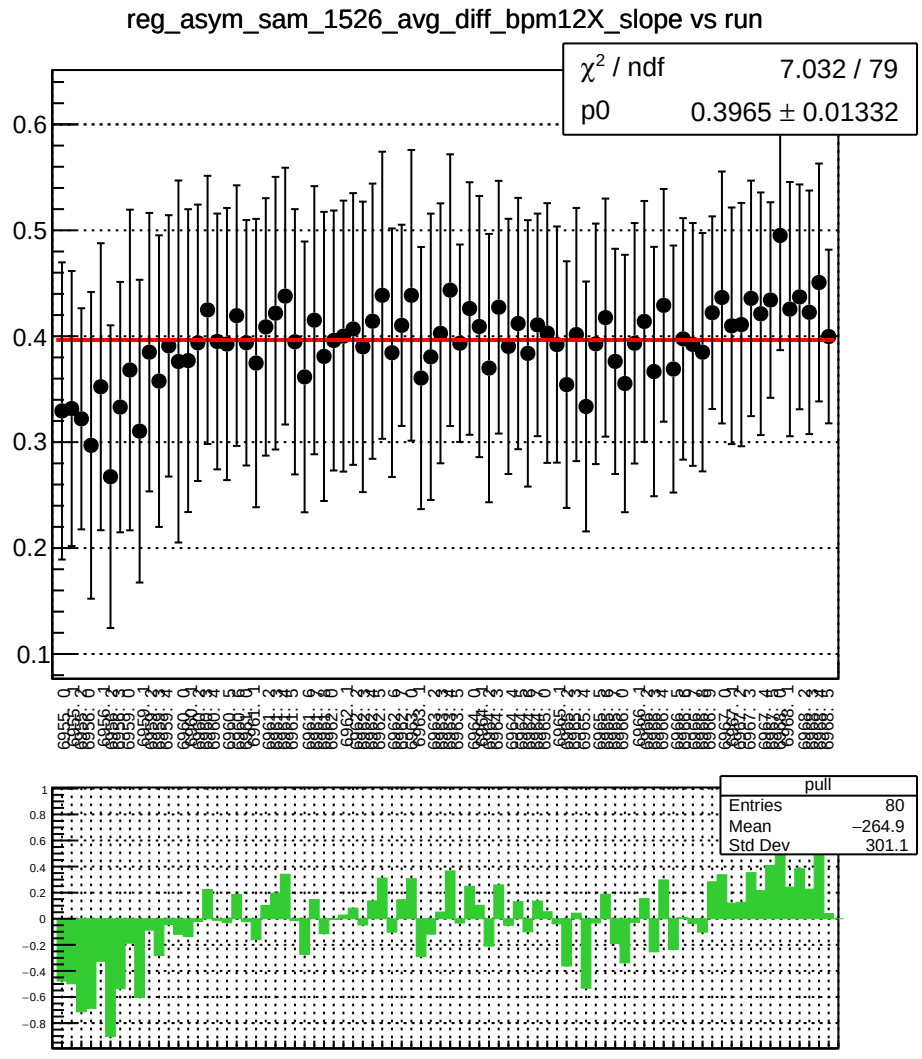

pull1D
Entries 80
Mean −0.01347
Std Dev 0.4045

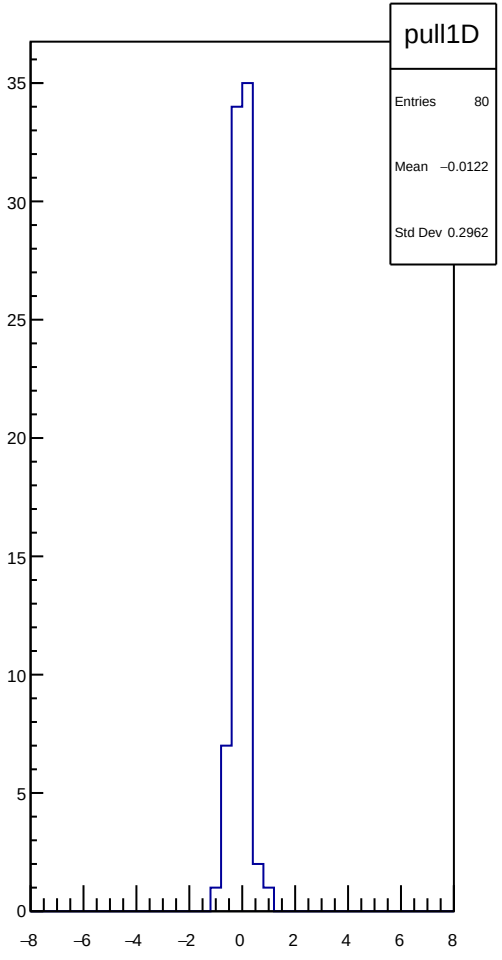

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.324 / 79
p0 2.912 ± 0.2998
pull
Entries 80
Mean 32.15
Std Dev 44.2
pull1D
Entries 80
Mean −0.01986
Std Dev 0.2805

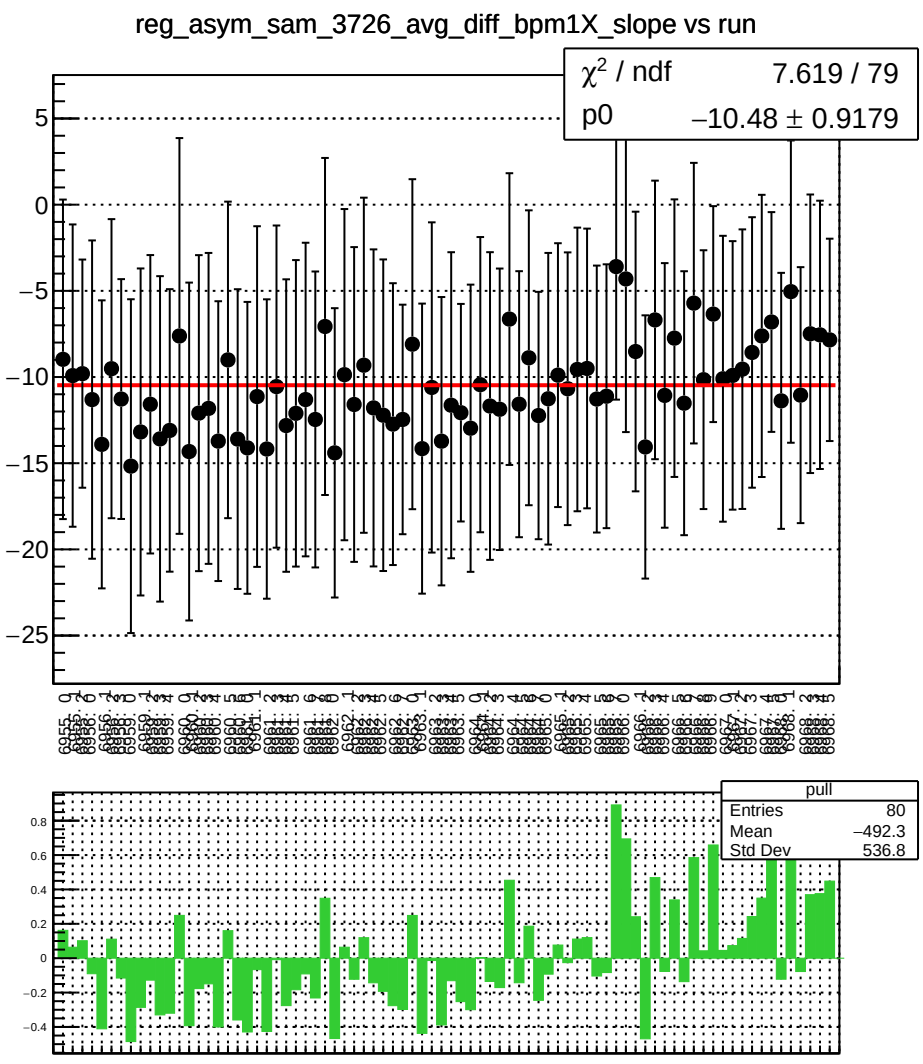

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.07 / 79
p0 −26.63 ± 0.4043
pull
Entries 80
Mean 392.2
Std Dev 339.4

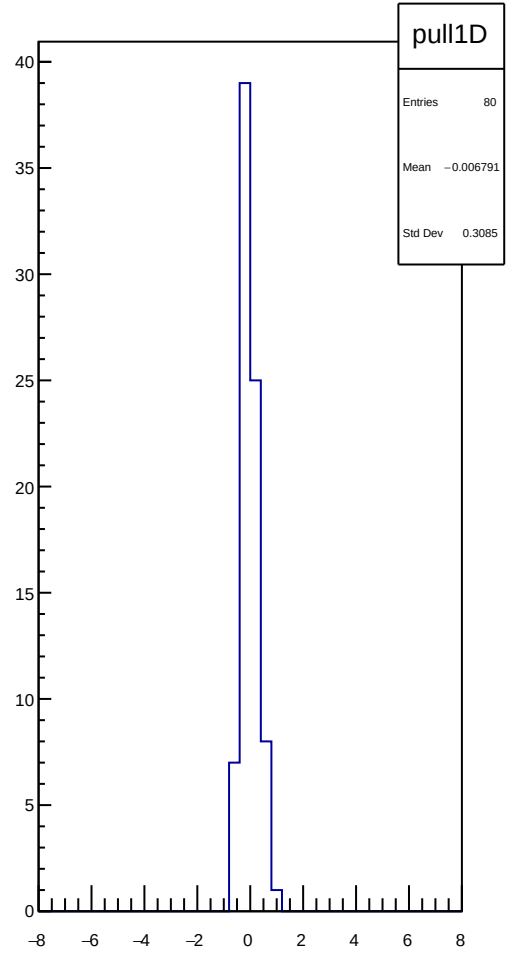

pull1D
Entries 80
Mean −0.004455
Std Dev 0.4619

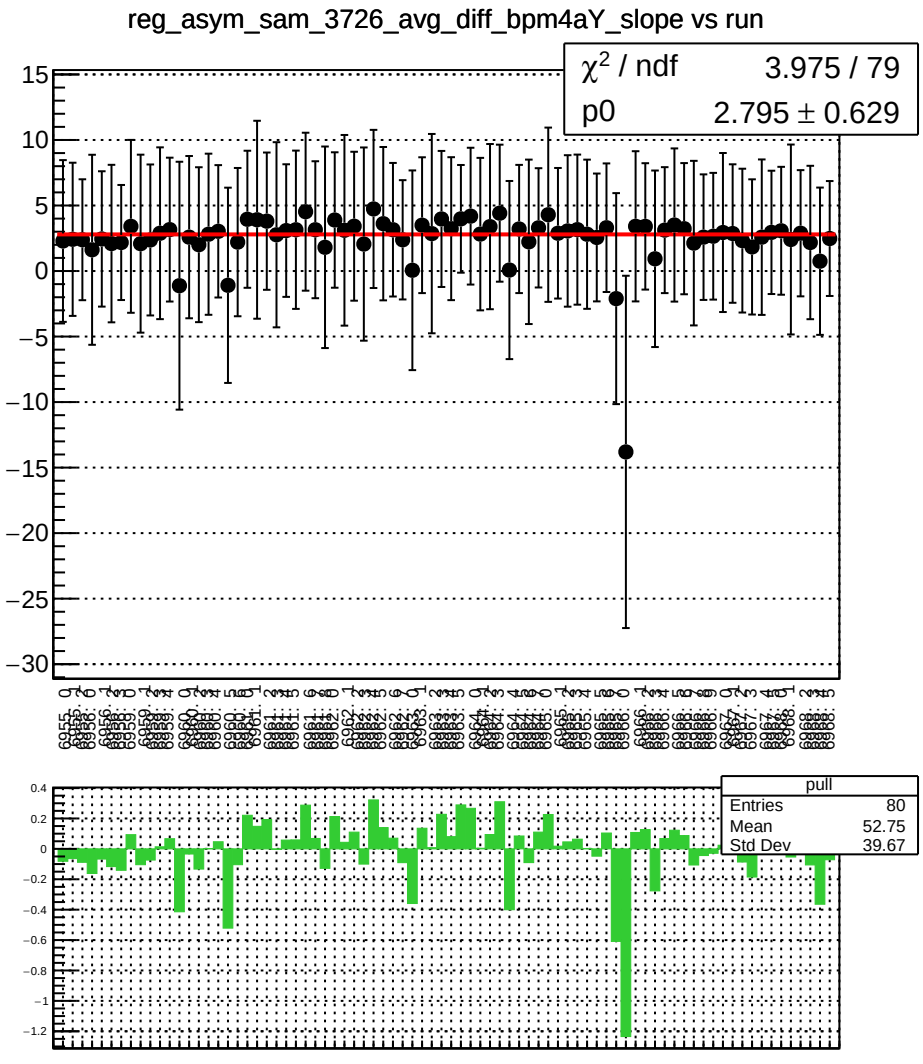

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.93 / 79
p0 4.313 ± 0.342
pull
Entries 80
Mean −674.9
Std Dev 720.3
pull1D
Entries 80
Mean −0.004654
Std Dev 0.3696

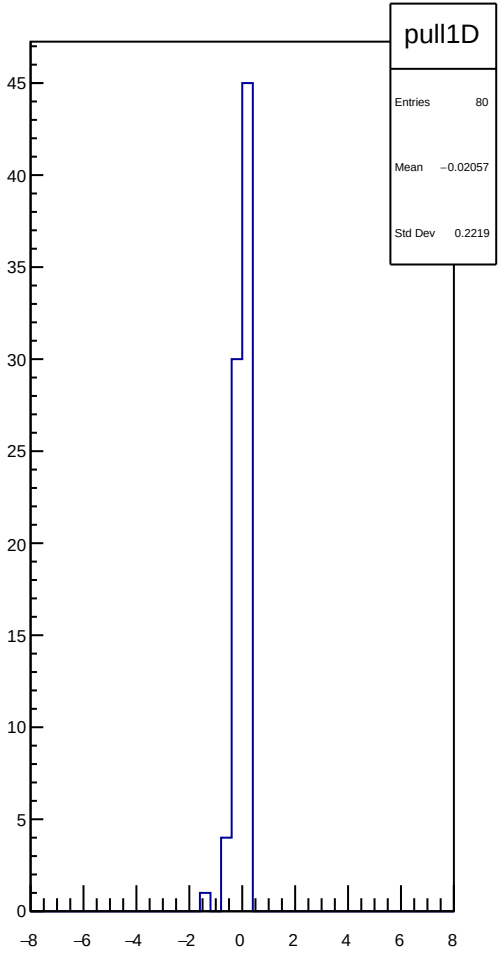

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.032 / 79
p0 0.3965 ± 0.01332
pull
Entries 80
Mean −264.9
Std Dev 301.1

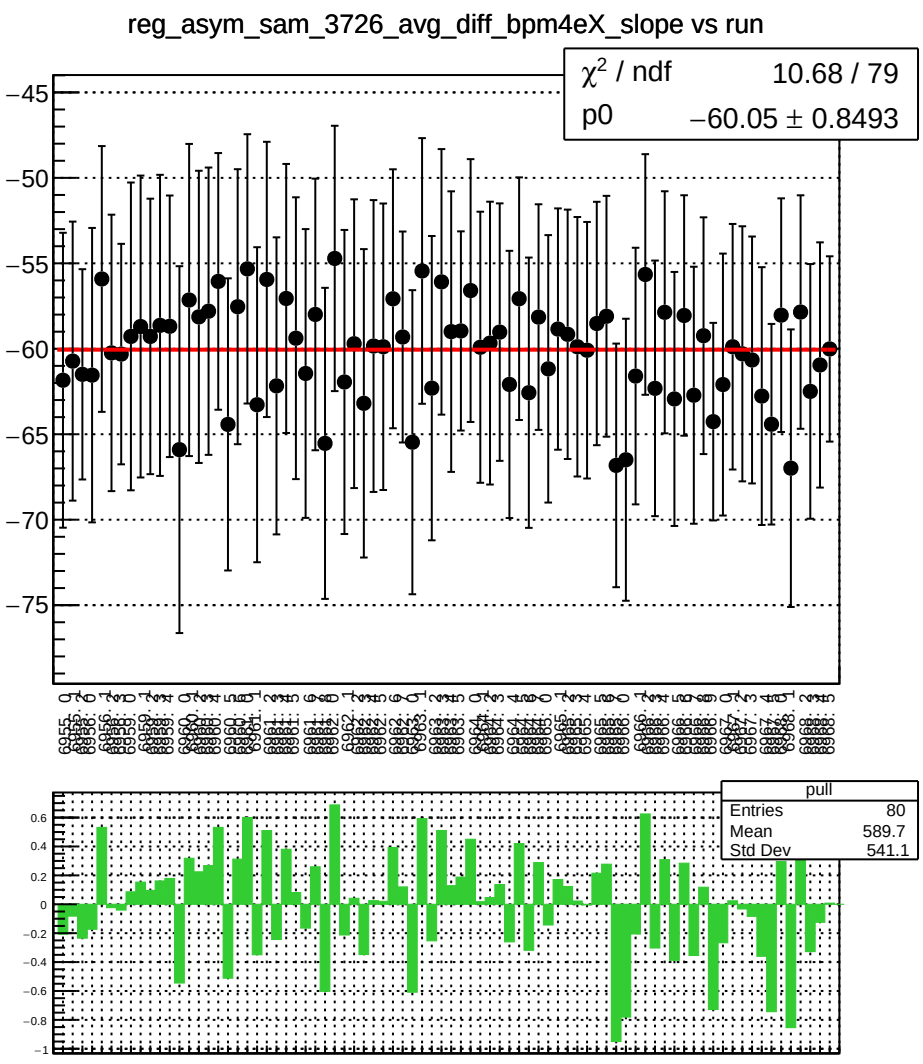

pull1D
Entries 80
Mean −0.0122
Std Dev 0.2962

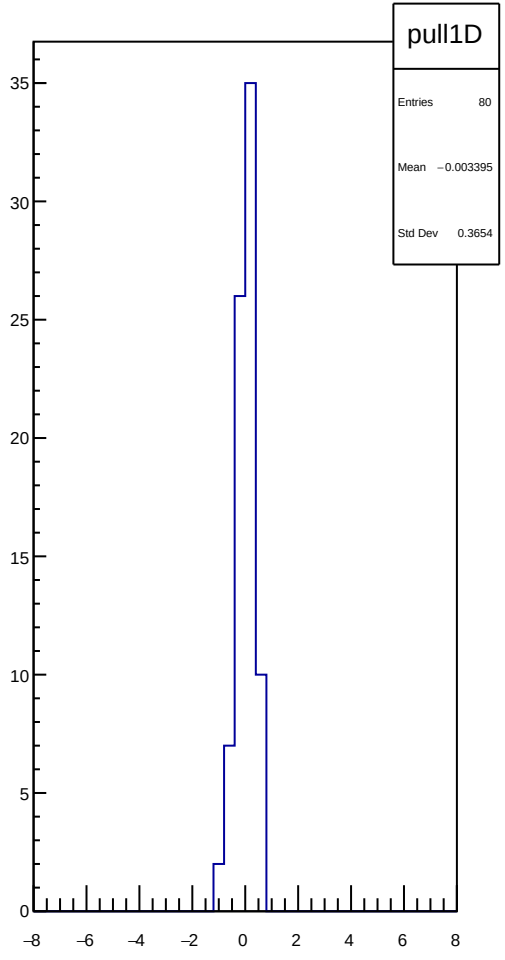

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 7.619 / 79
p0 −10.48 ± 0.9179
pull
Entries 80
Mean −492.3
Std Dev 536.8

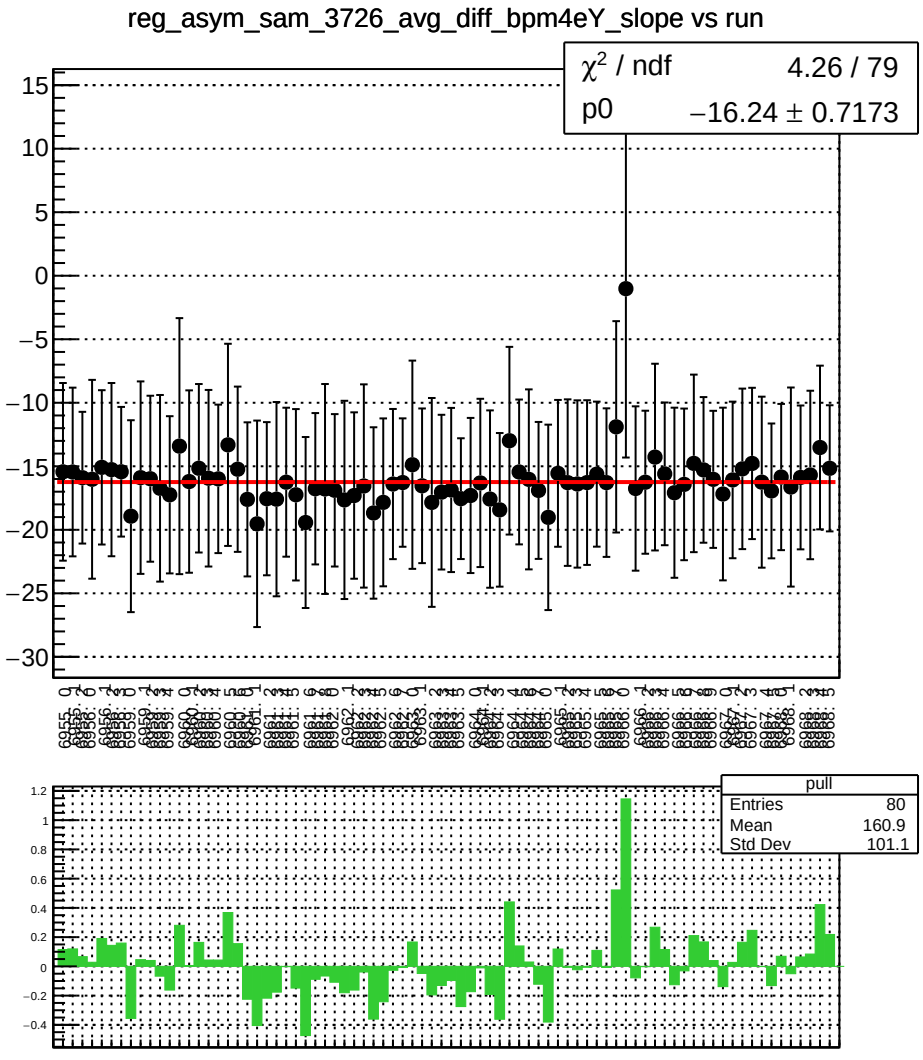

pull1D
Entries 80
Mean −0.006791
Std Dev 0.3085

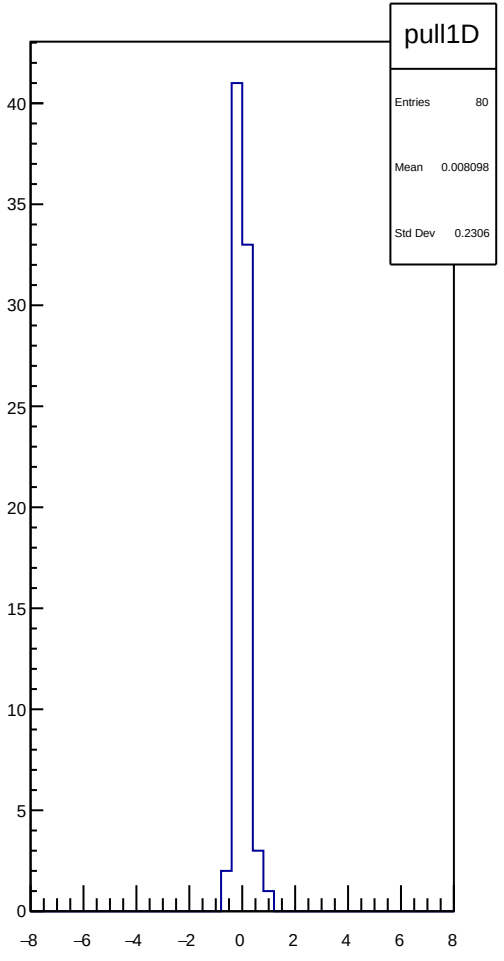

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.975 / 79
p0 2.795 ± 0.629
pull
Entries 80
Mean 52.75
Std Dev 39.67

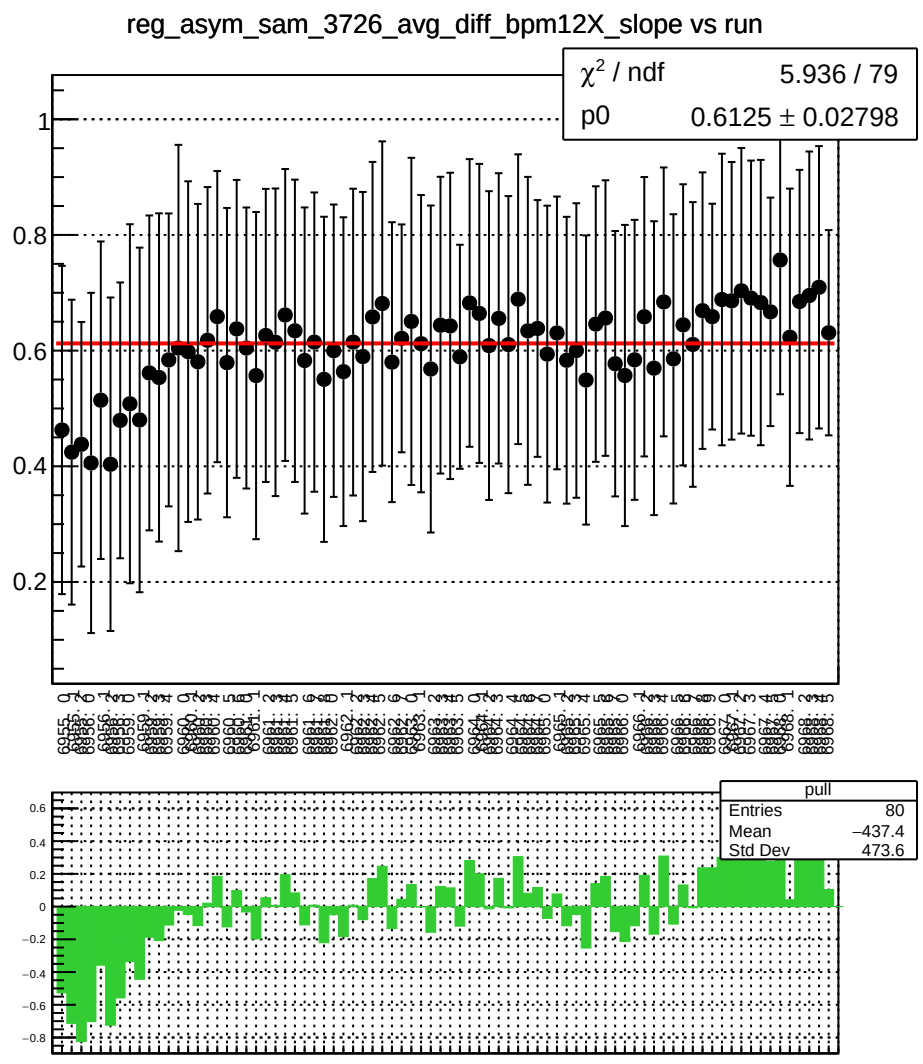

pull1D
Entries 80
Mean −0.02057
Std Dev 0.2219

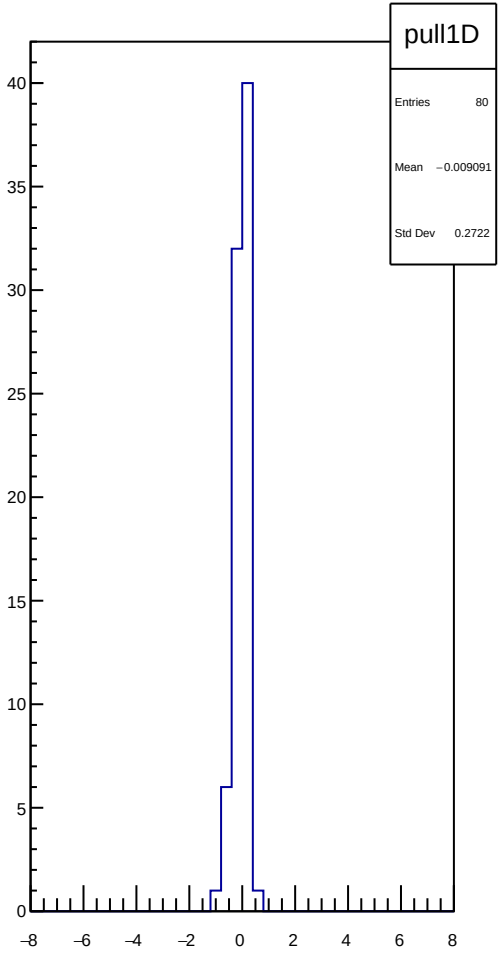

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.68 / 79
p0 −60.05 ± 0.8493
pull
Entries 80
Mean 589.7
Std Dev 541.1

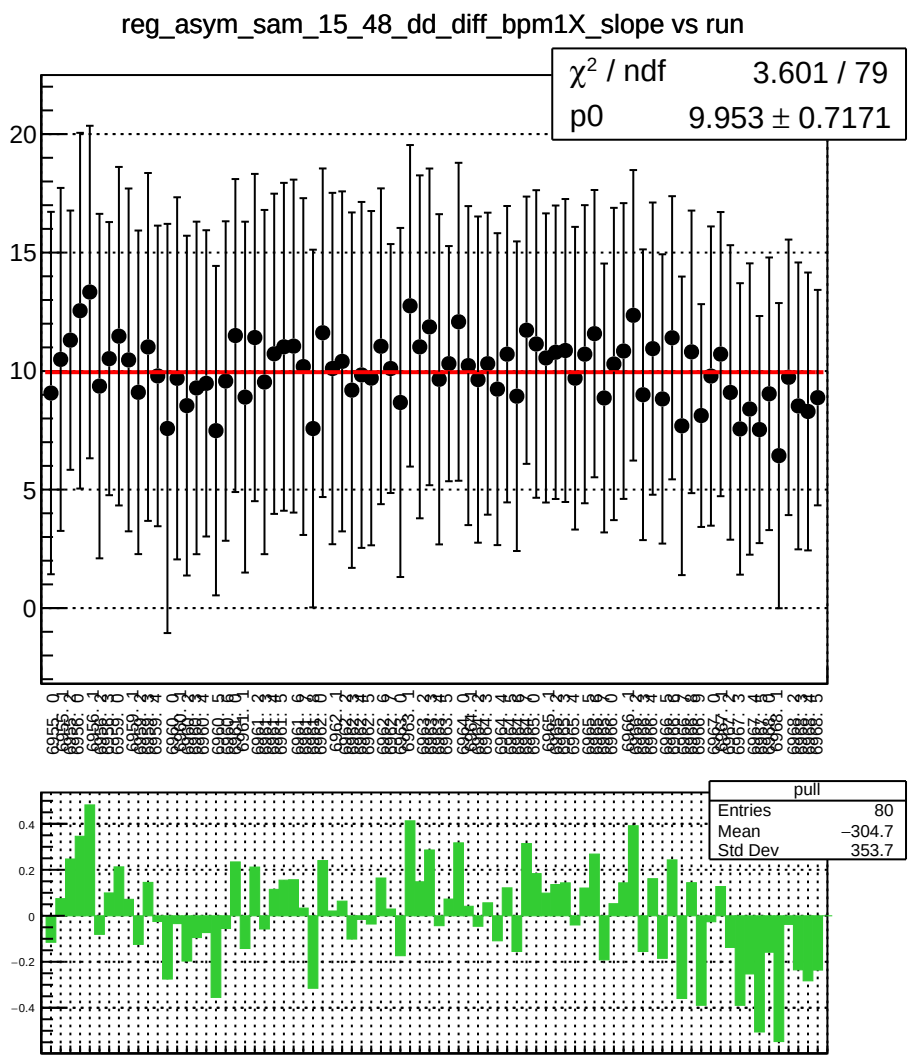

pull1D
Entries 80
Mean −0.003395
Std Dev 0.3654

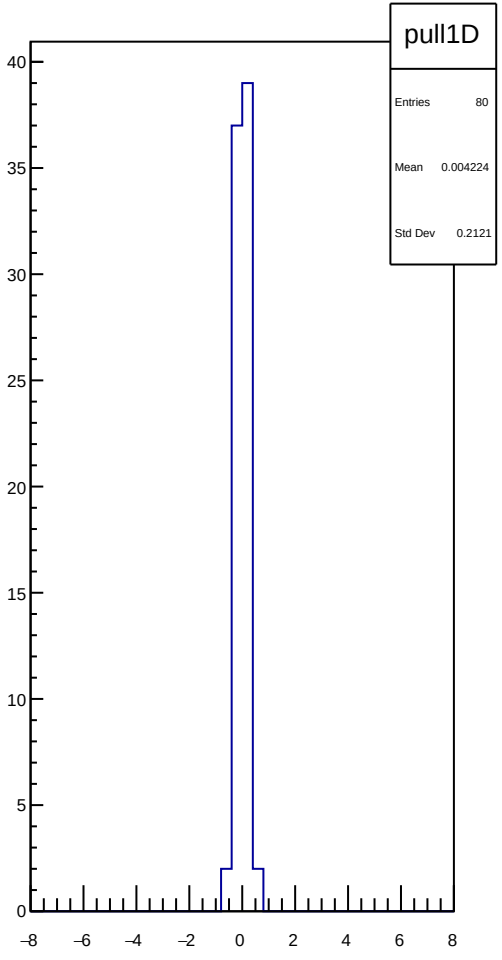

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.26 / 79
p0 −16.24 ± 0.7173
pull
Entries 80
Mean 160.9
Std Dev 101.1

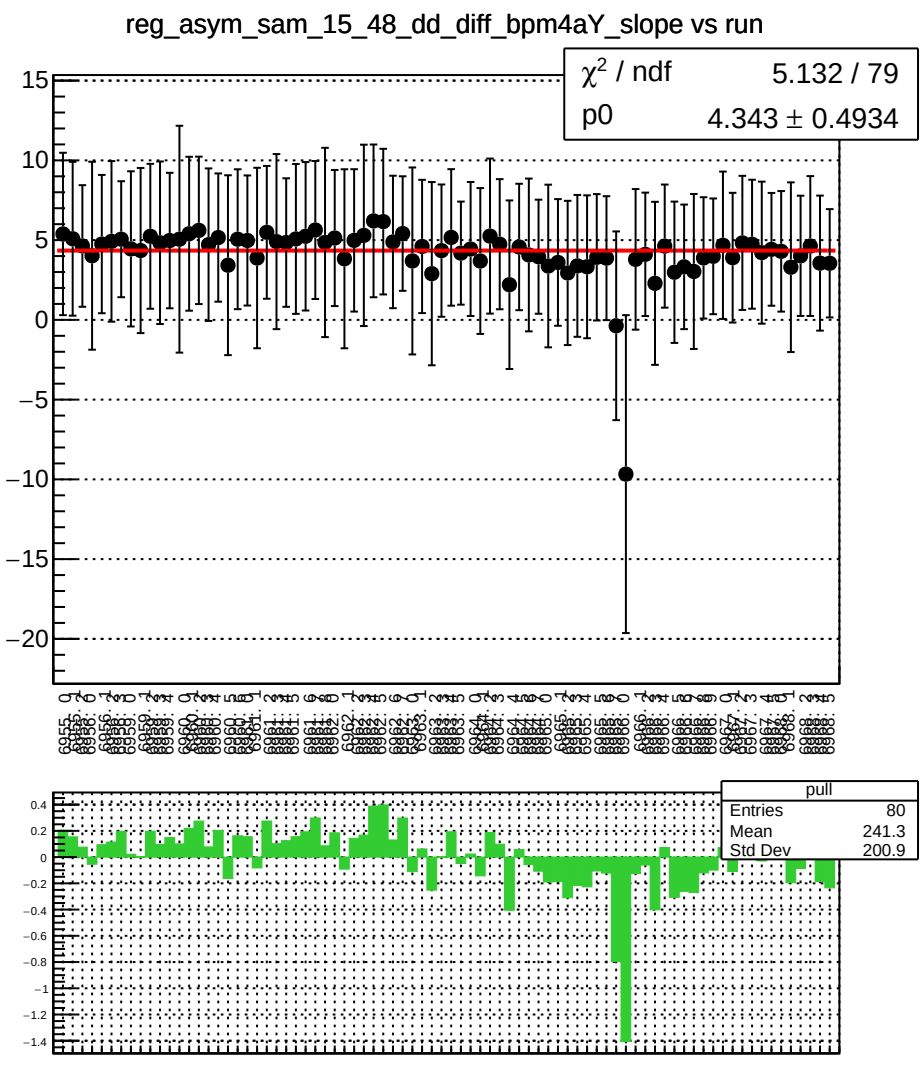

pull1D
Entries 80
Mean 0.008098
Std Dev 0.2306

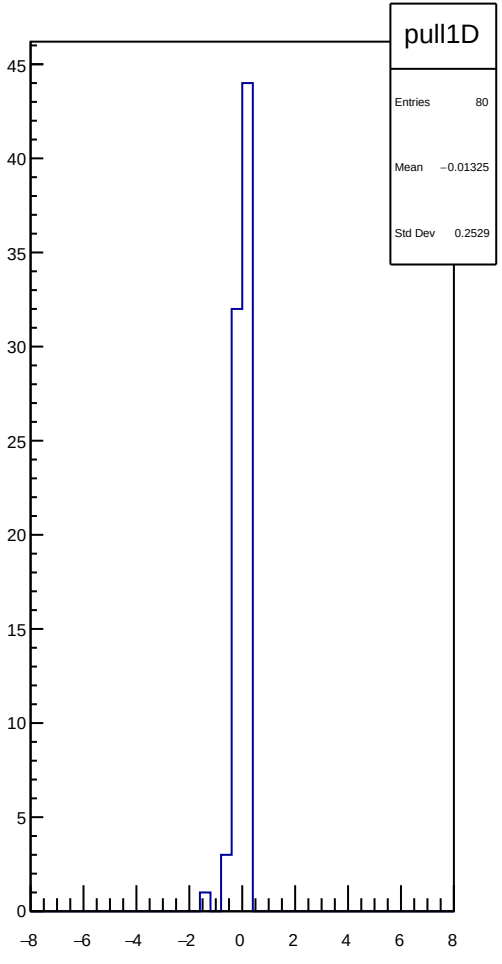

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 5.936 / 79
p0 0.6125 ± 0.02798
pull
Entries 80
Mean −437.4
Std Dev 473.6

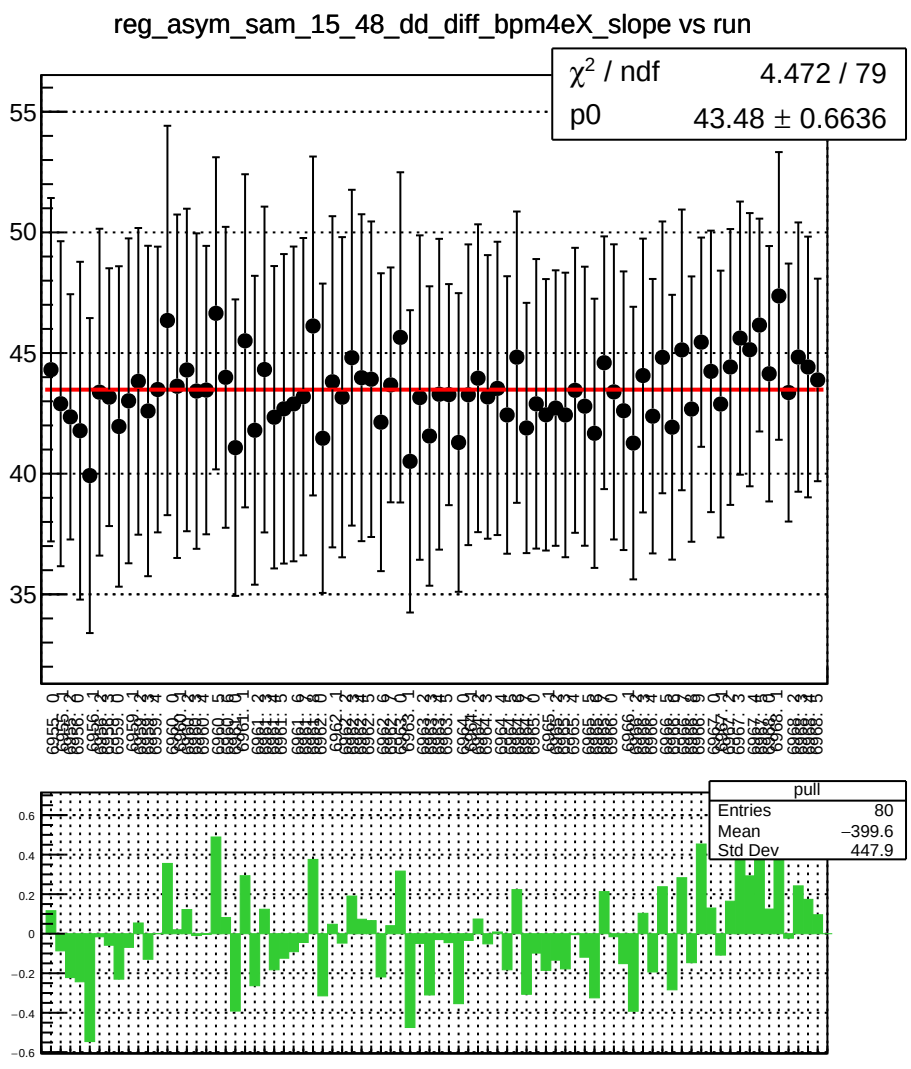

pull1D
Entries 80
Mean −0.009091
Std Dev 0.2722

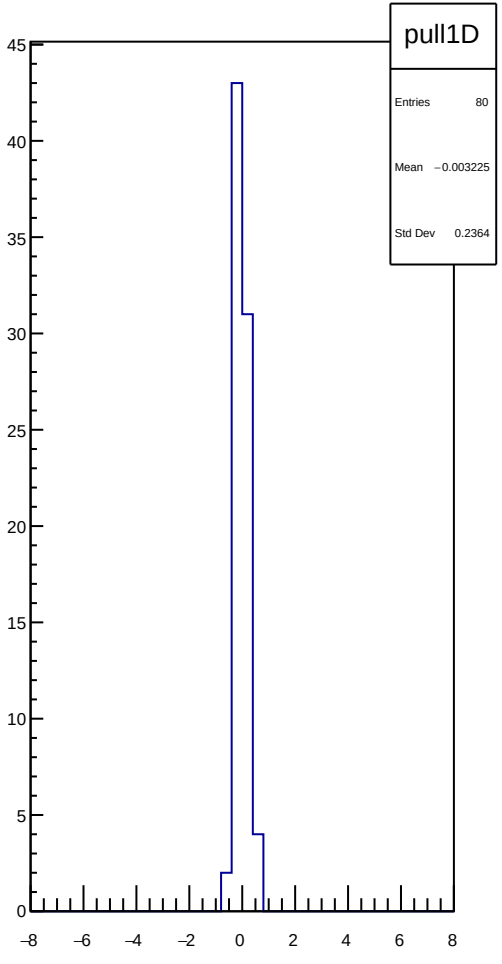

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.601 / 79
p0 9.953 ± 0.7171
pull
Entries 80
Mean −304.7
Std Dev 353.7

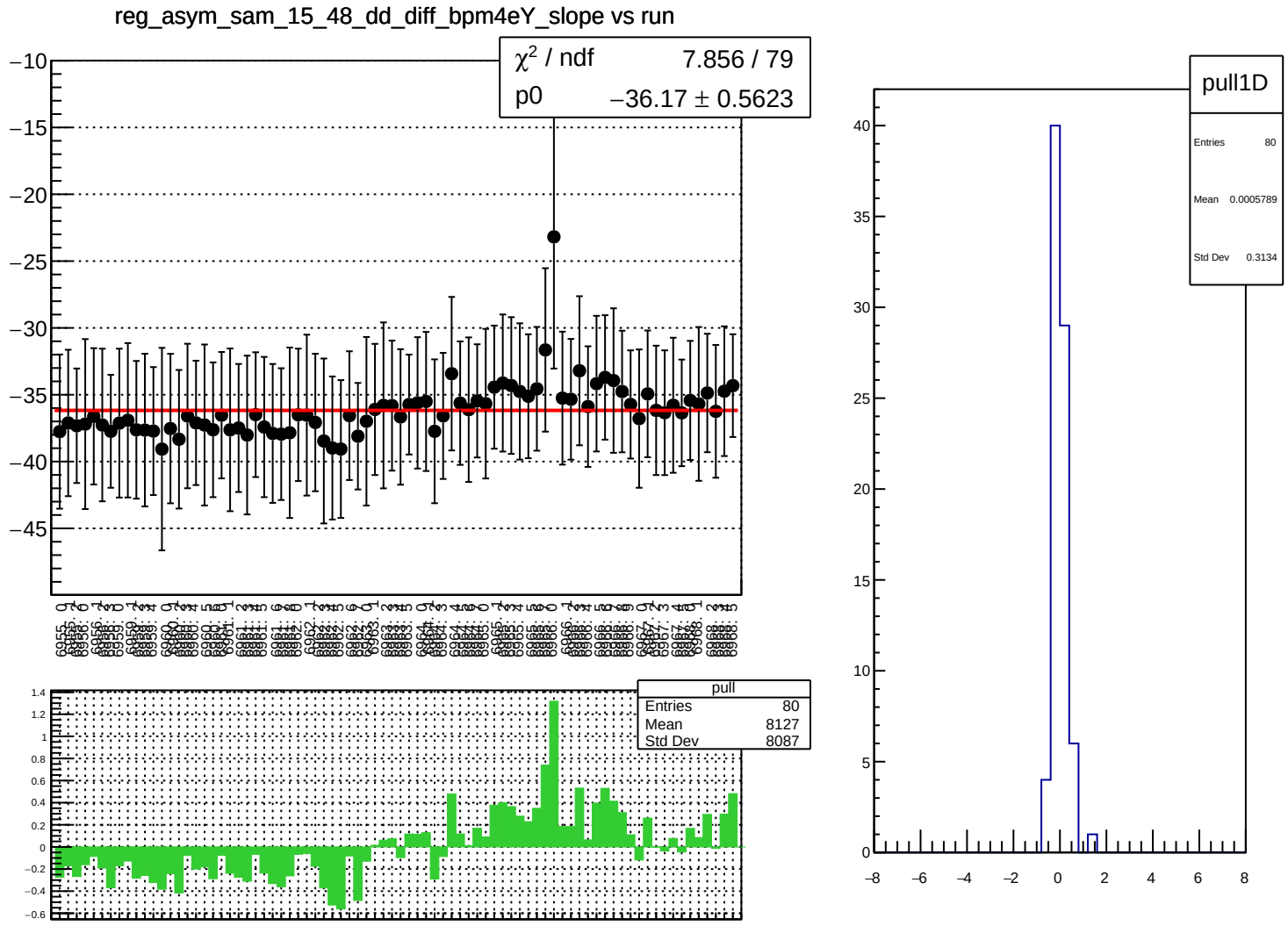

pull1D
Entries 80
Mean 0.004224
Std Dev 0.2121

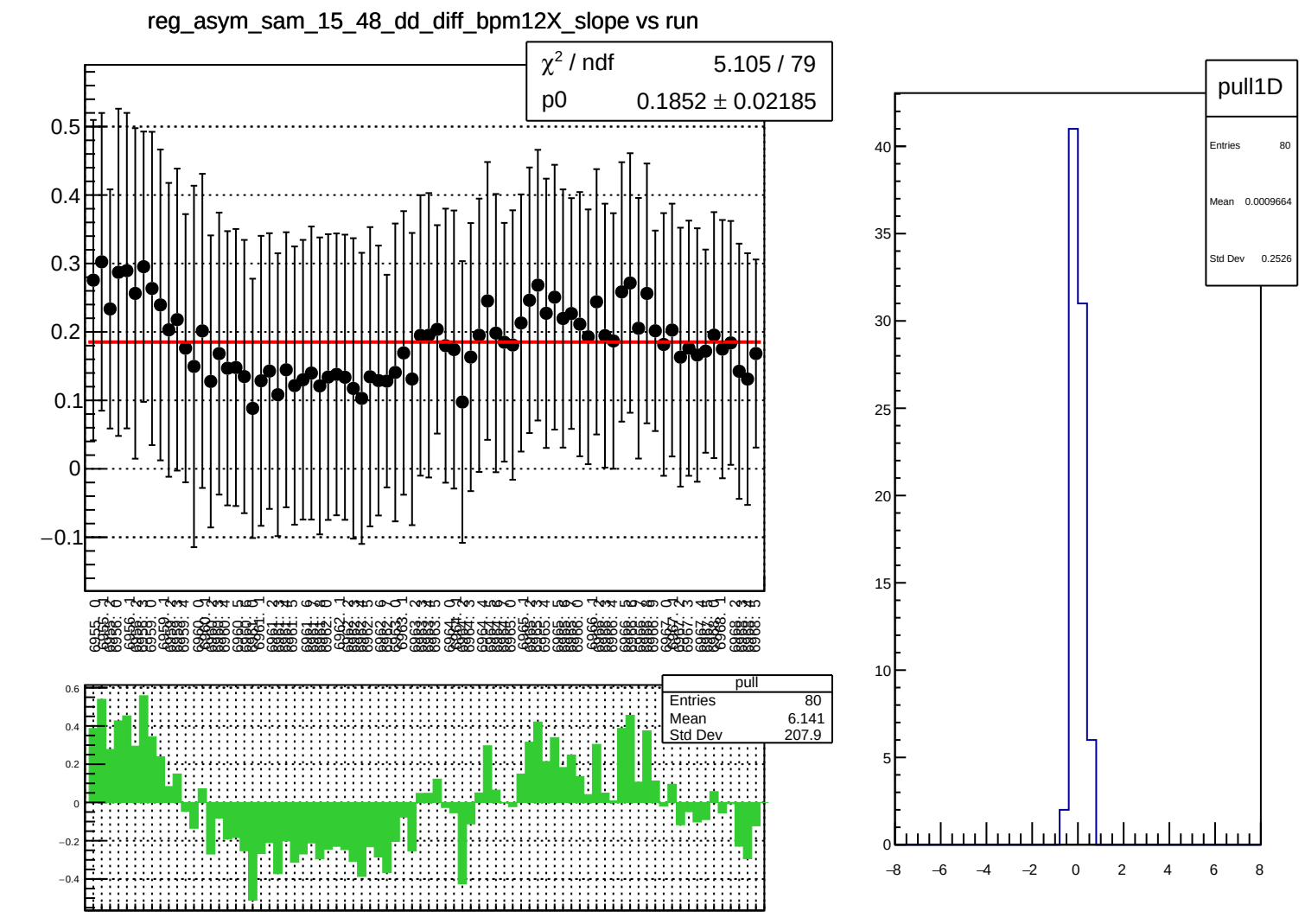

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.132 / 79
p0 4.343 ± 0.4934
pull
Entries 80
Mean 241.3
Std Dev 200.9

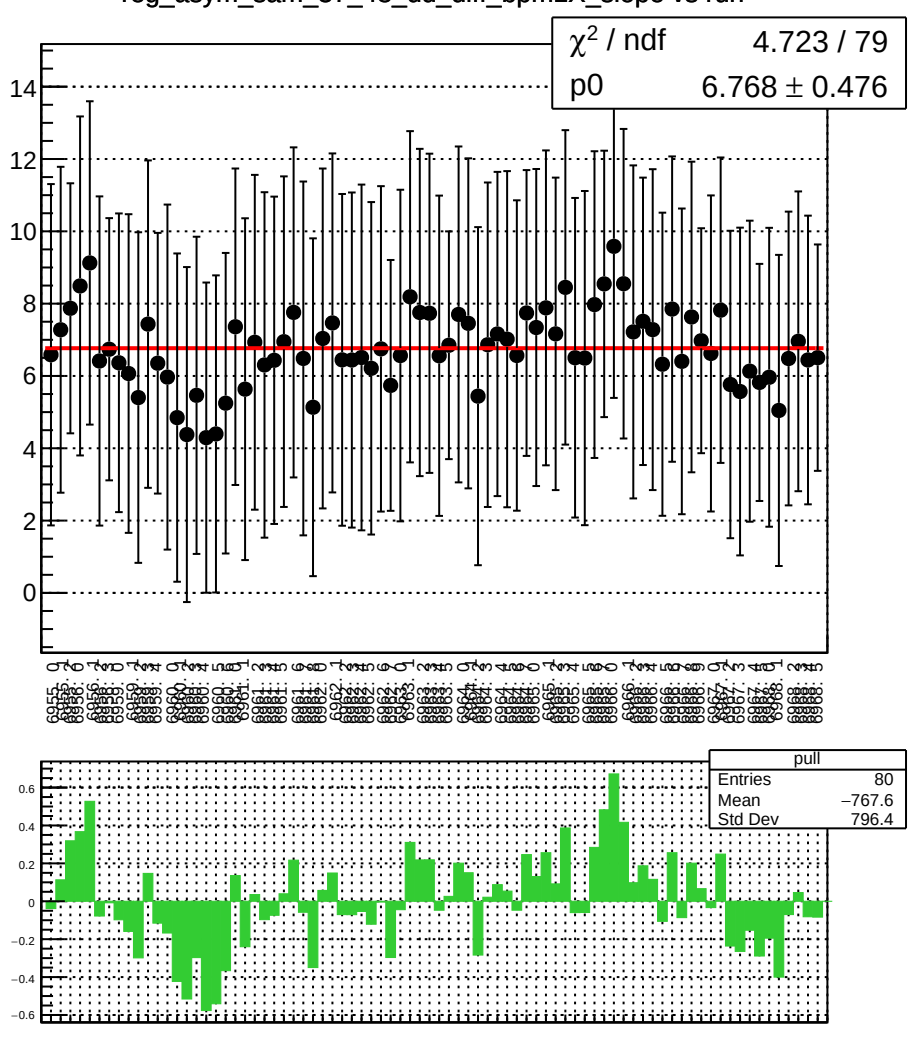

pull1D
Entries 80
Mean −0.01325
Std Dev 0.2529

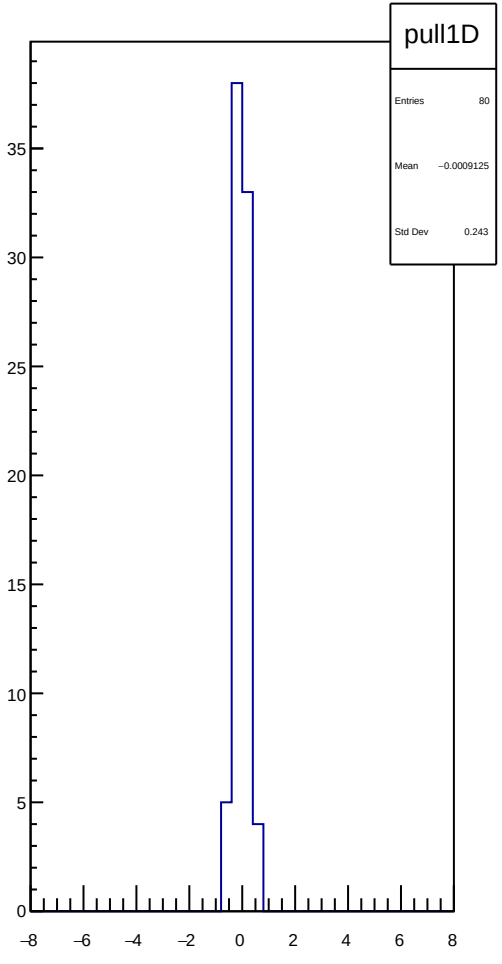

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.472 / 79
p0 43.48 ± 0.6636
pull
Entries 80
Mean −399.6
Std Dev 447.9

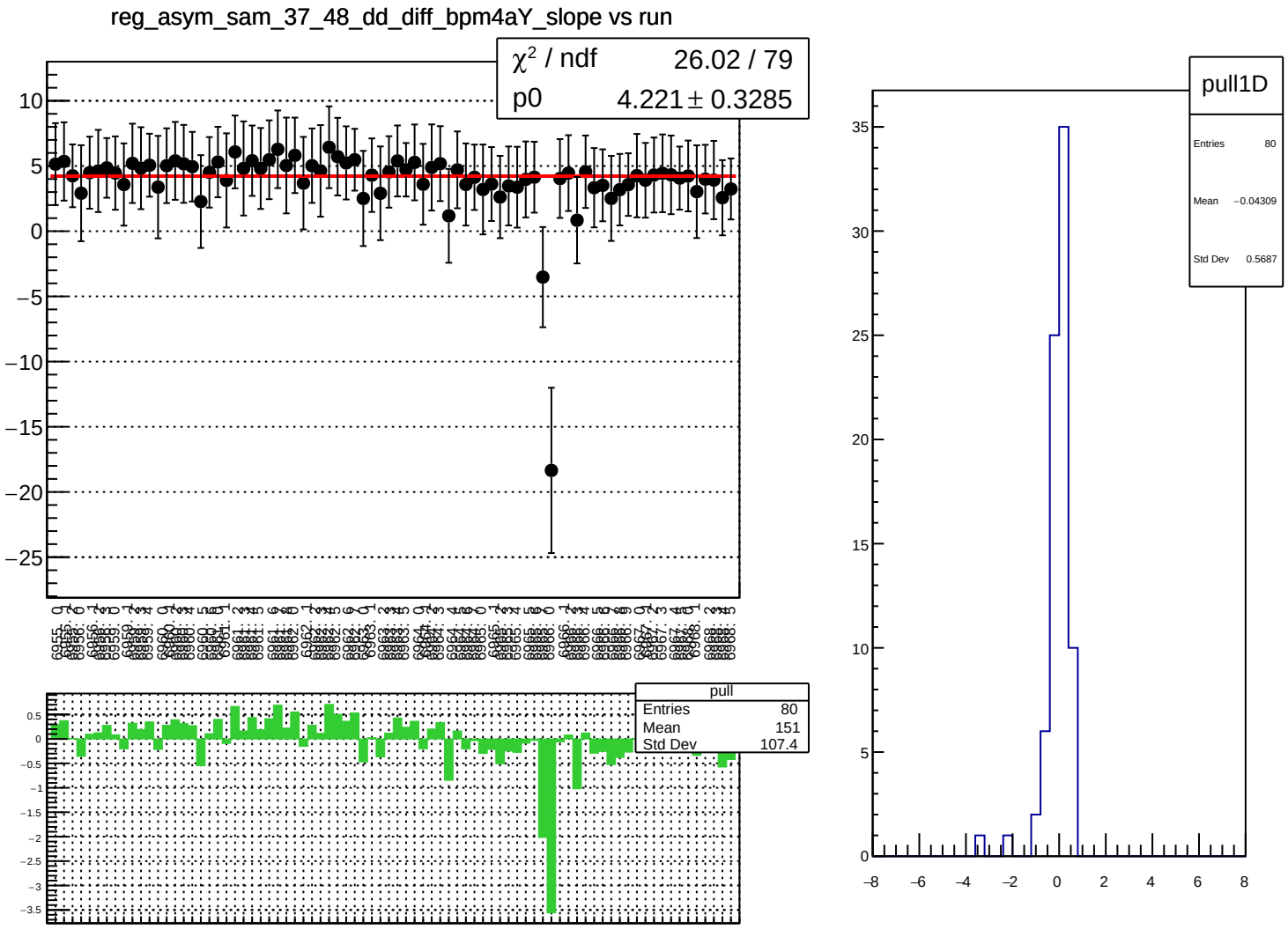

pull1D
Entries 80
Mean −0.003225
Std Dev 0.2364

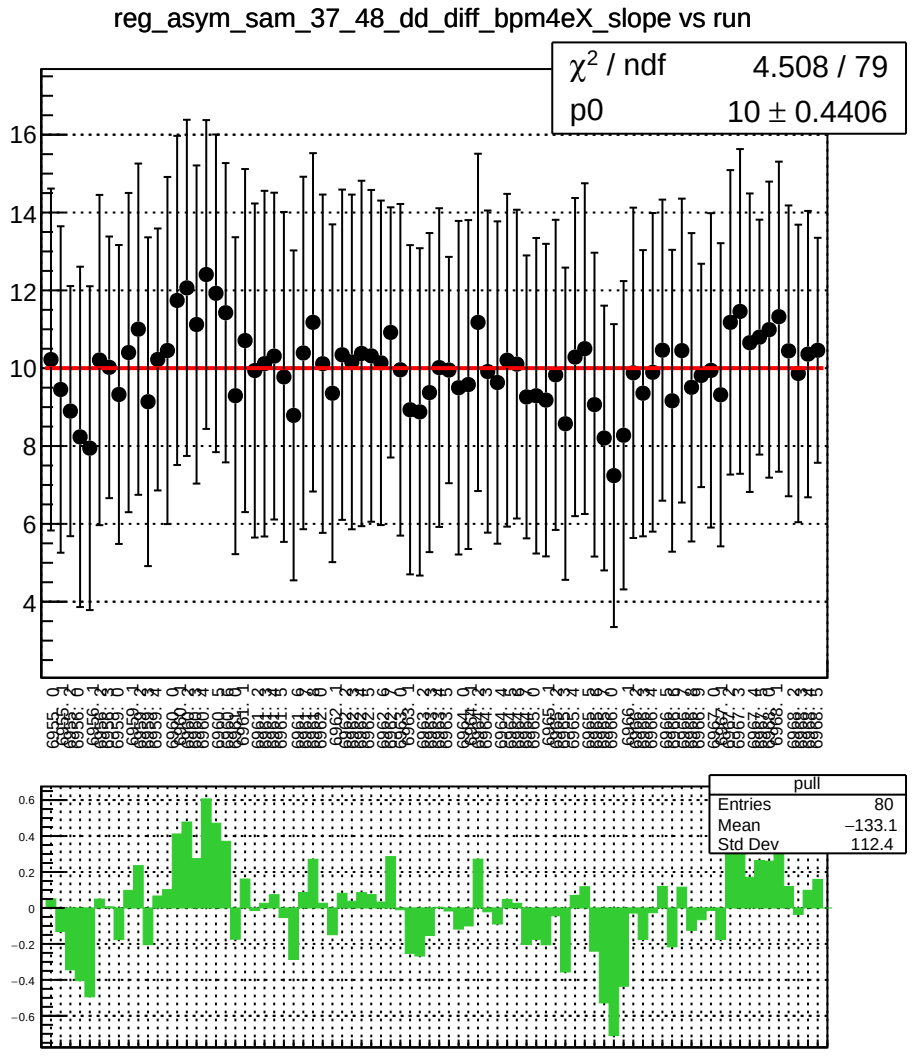

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.856 / 79
p0 −36.17 ± 0.5623
pull
Entries 80
Mean 8127
Std Dev 8087
pull1D
Entries 80
Mean 0.0005789
Std Dev 0.3134

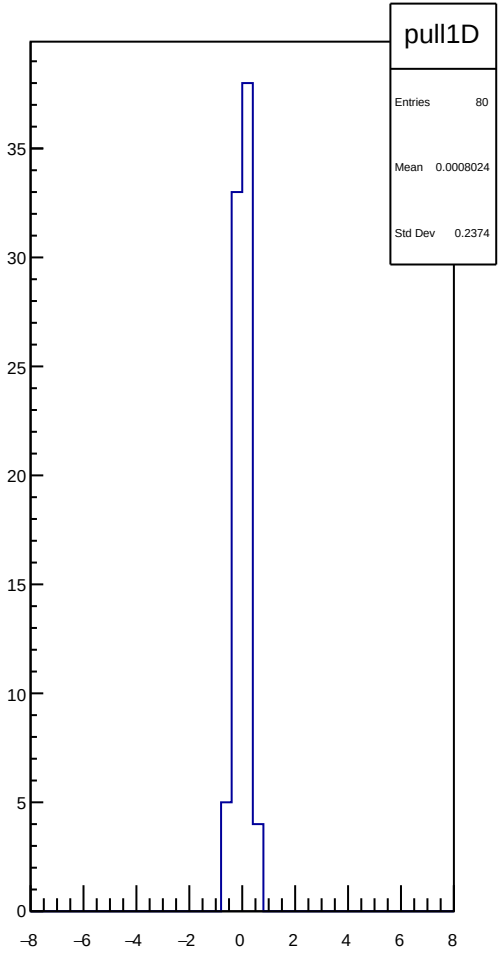

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.105 / 79
p0 0.1852 ± 0.02185
pull
Entries 80
Mean 6.141
Std Dev 207.9
pull1D
Entries 80
Mean 0.0009664
Std Dev 0.2526

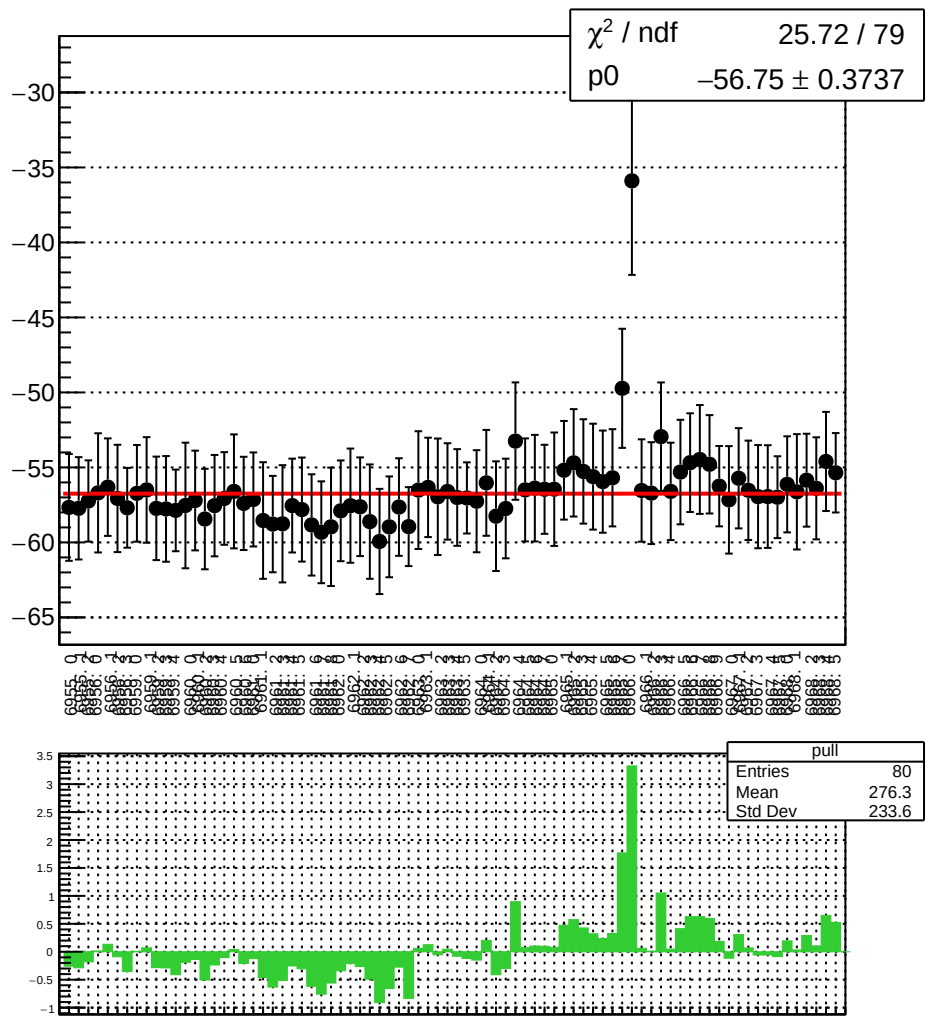

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.723 / 79
p0 6.768 ± 0.476
pull
Entries 80
Mean −767.6
Std Dev 796.4

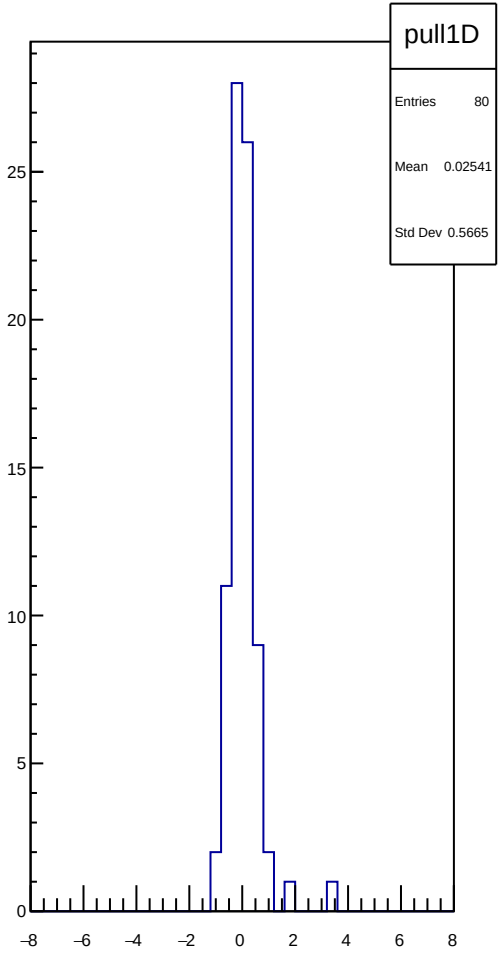

pull1D
Entries 80
Mean −0.0009125
Std Dev 0.243

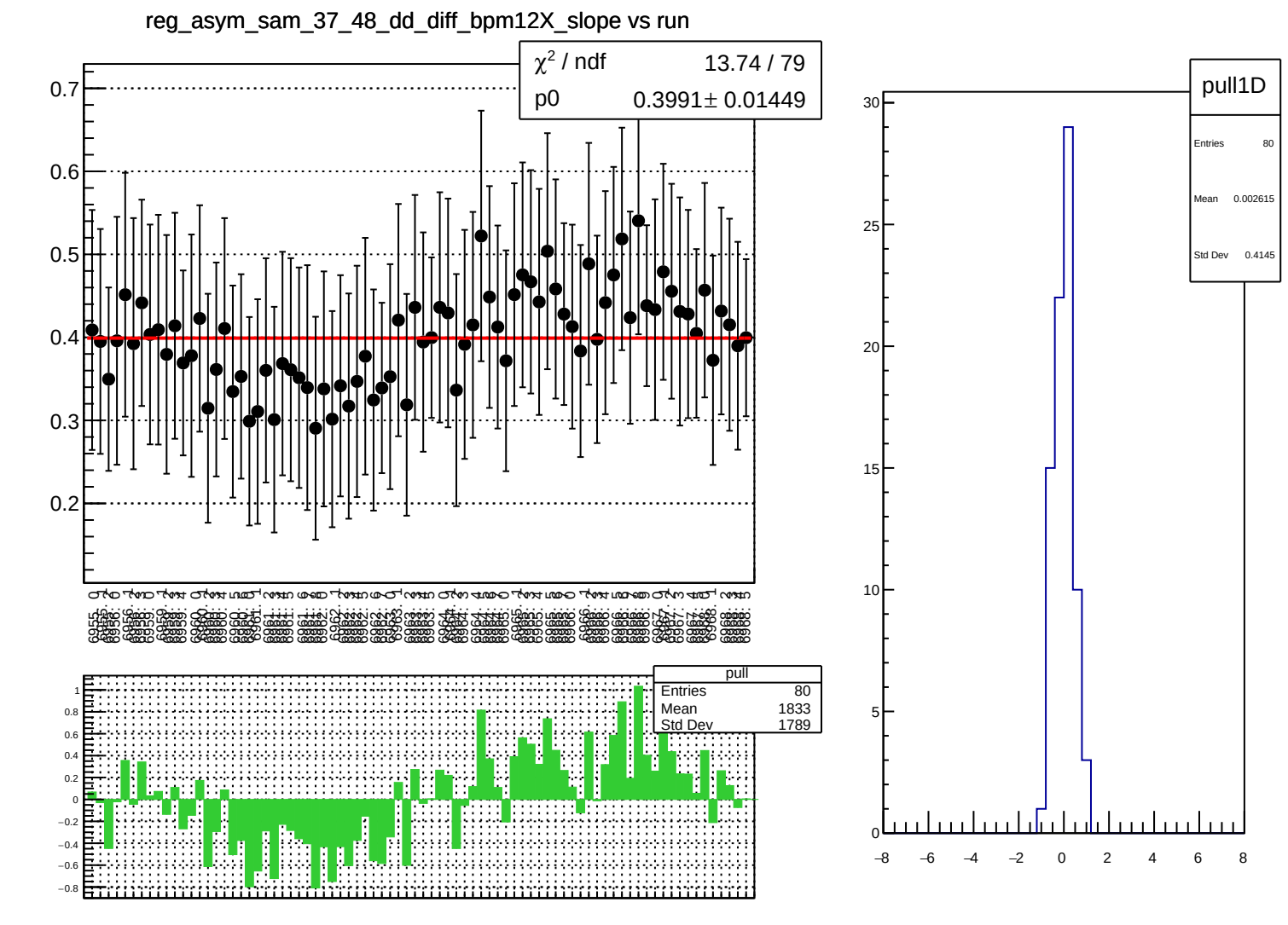

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.02 / 79
p0 4.221 ± 0.3285
pull
Entries 80
Mean 151
Std Dev 107.4
pull1D
Entries 80
Mean −0.04309
Std Dev 0.5687

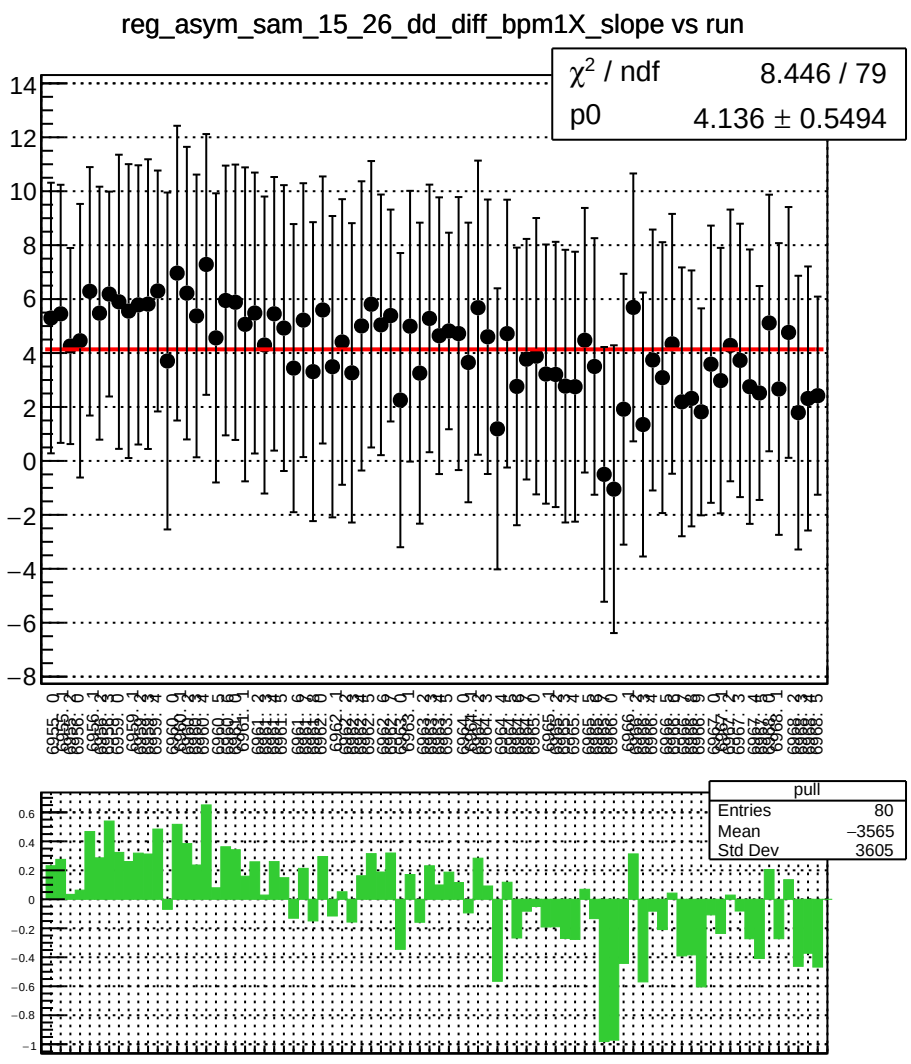

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.508 / 79
p0 10 ± 0.4406
pull
Entries 80
Mean −133.1
Std Dev 112.4

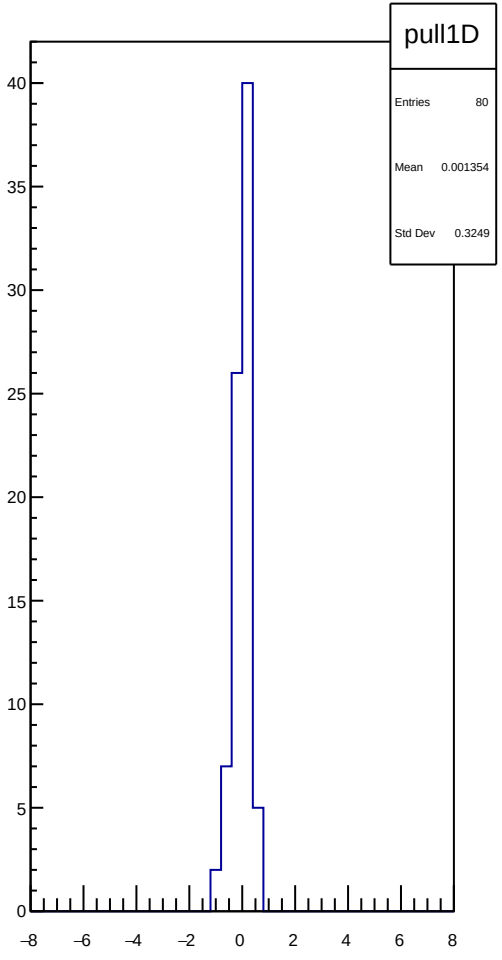

pull1D
Entries 80
Mean 0.0008024
Std Dev 0.2374

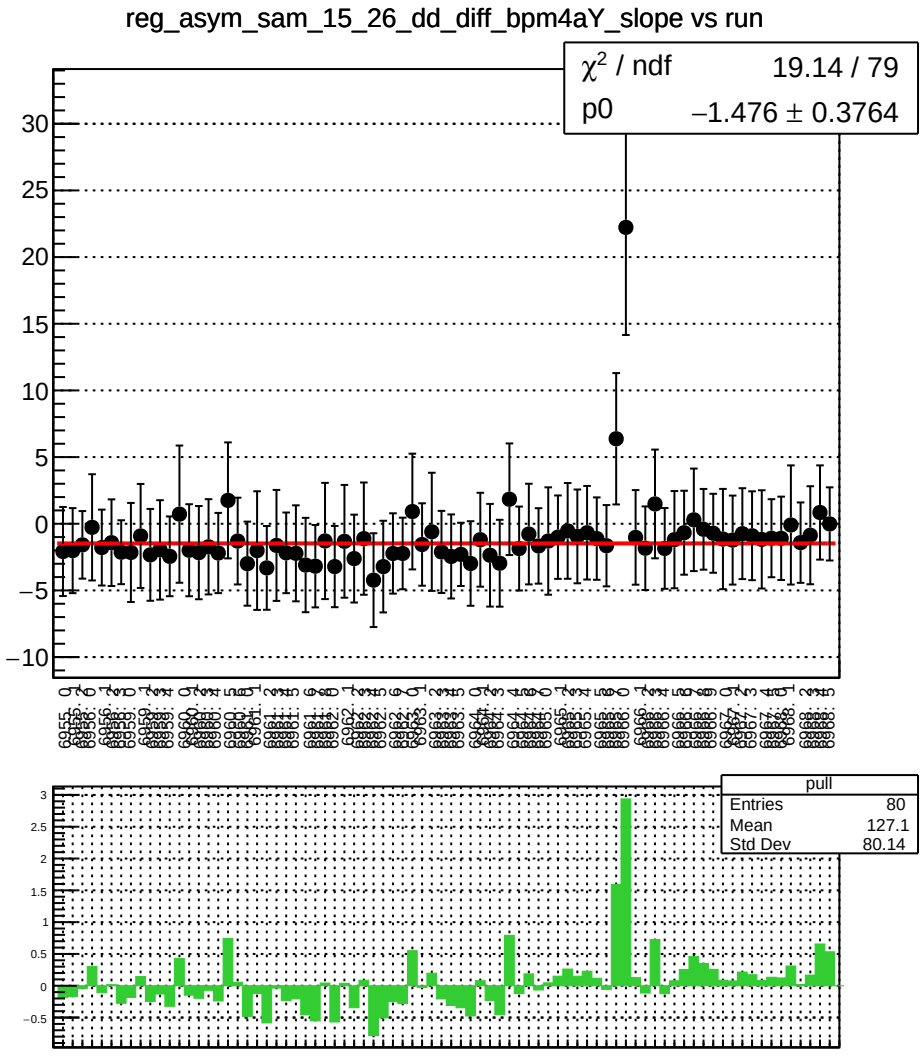

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.72 / 79
p0 −56.75 ± 0.3737
pull
Entries 80
Mean 276.3
Std Dev 233.6

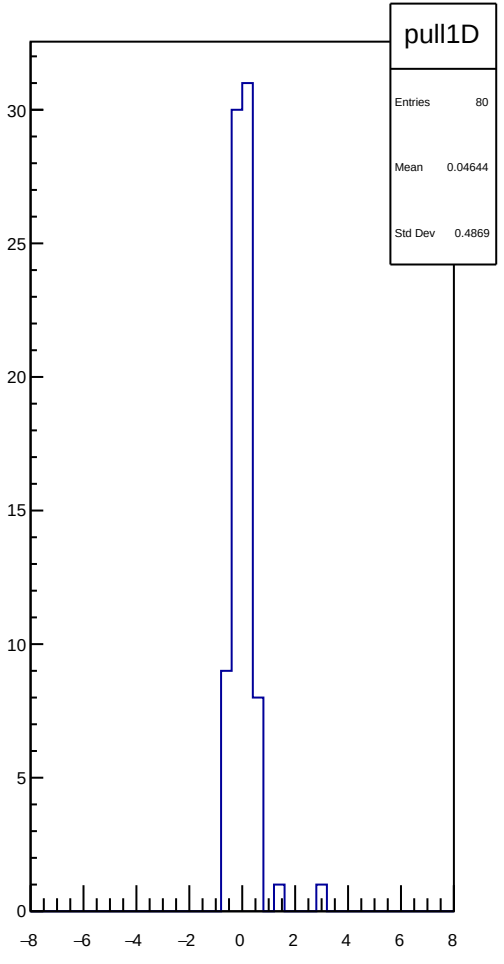

pull1D
Entries 80
Mean 0.02541
Std Dev 0.5665

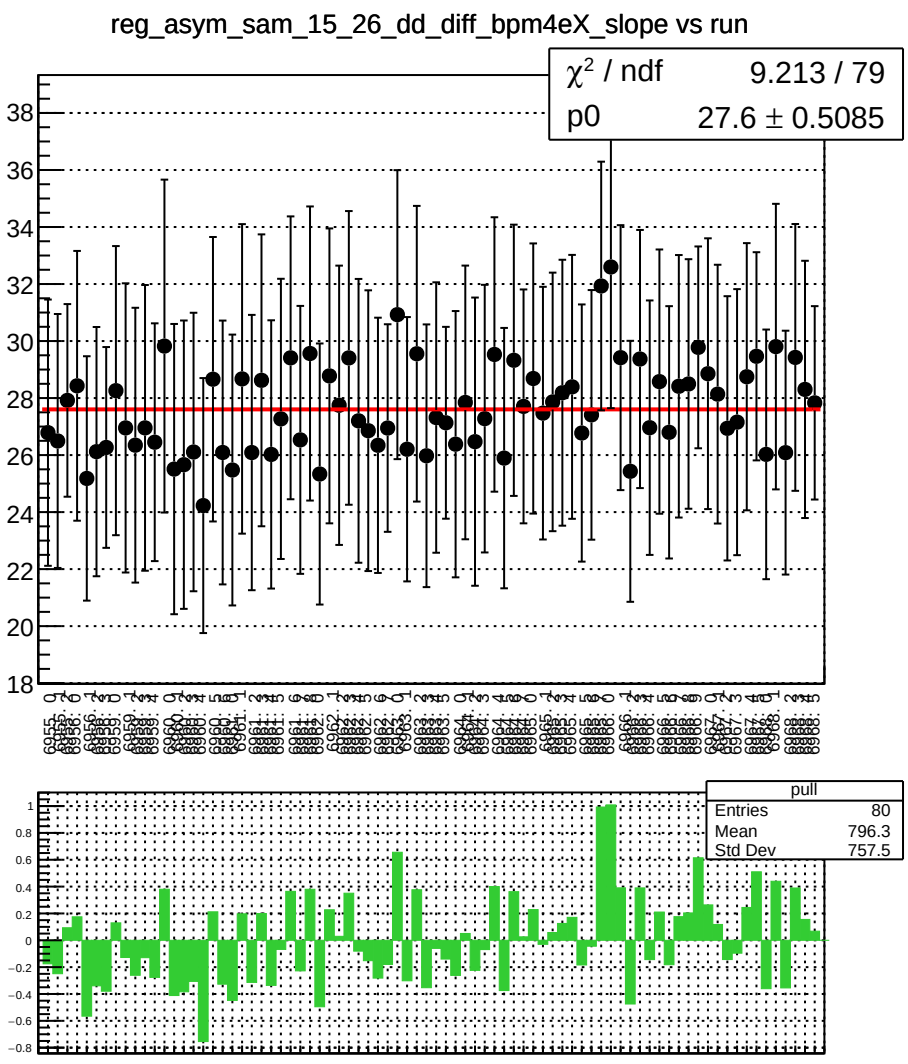

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.74 / 79
p0 0.3991± 0.01449
pull
Entries 80
Mean 1833
Std Dev 1789
pull1D
Entries 80
Mean 0.002615
Std Dev 0.4145

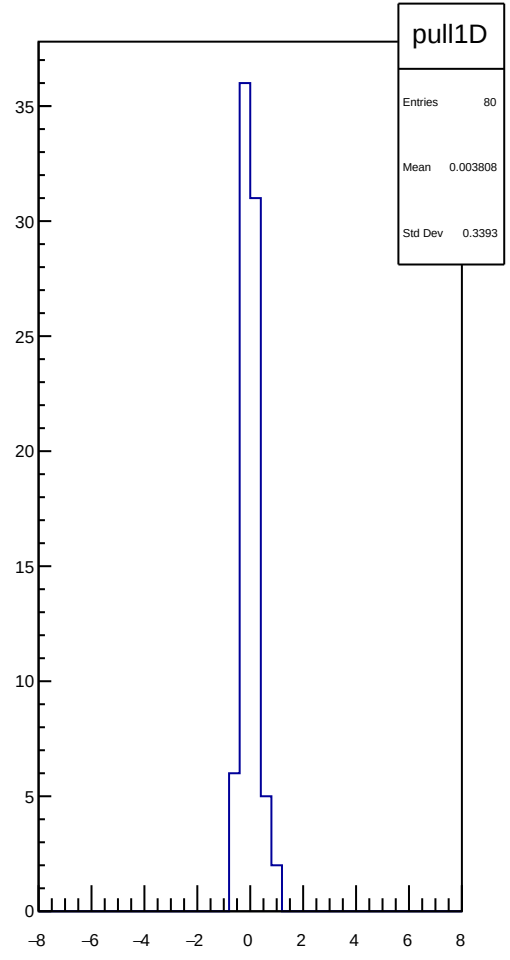

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 8.446 / 79
p0 4.136 ± 0.5494
pull
Entries 80
Mean −3565
Std Dev 3605

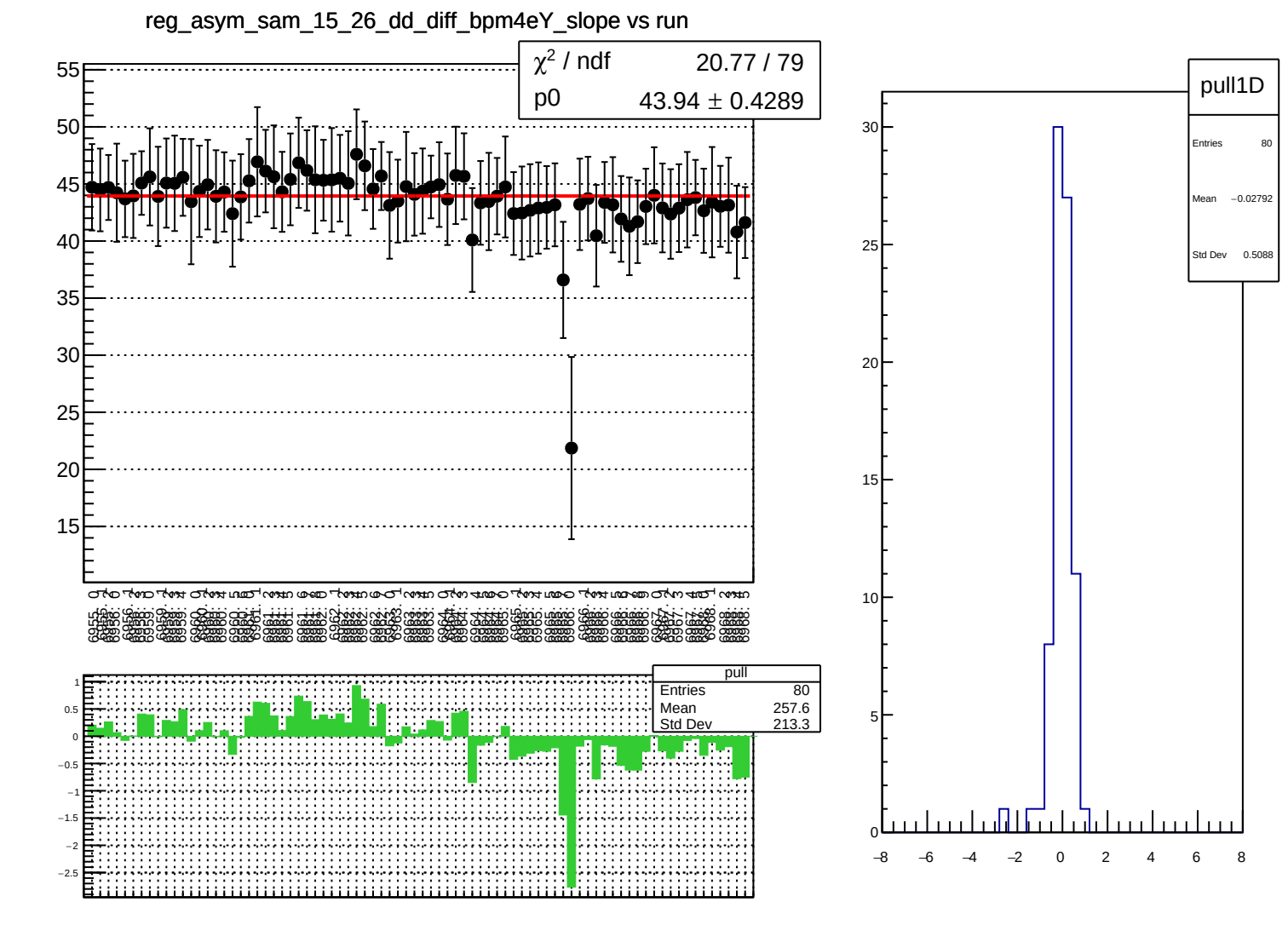

pull1D
Entries 80
Mean 0.001354
Std Dev 0.3249

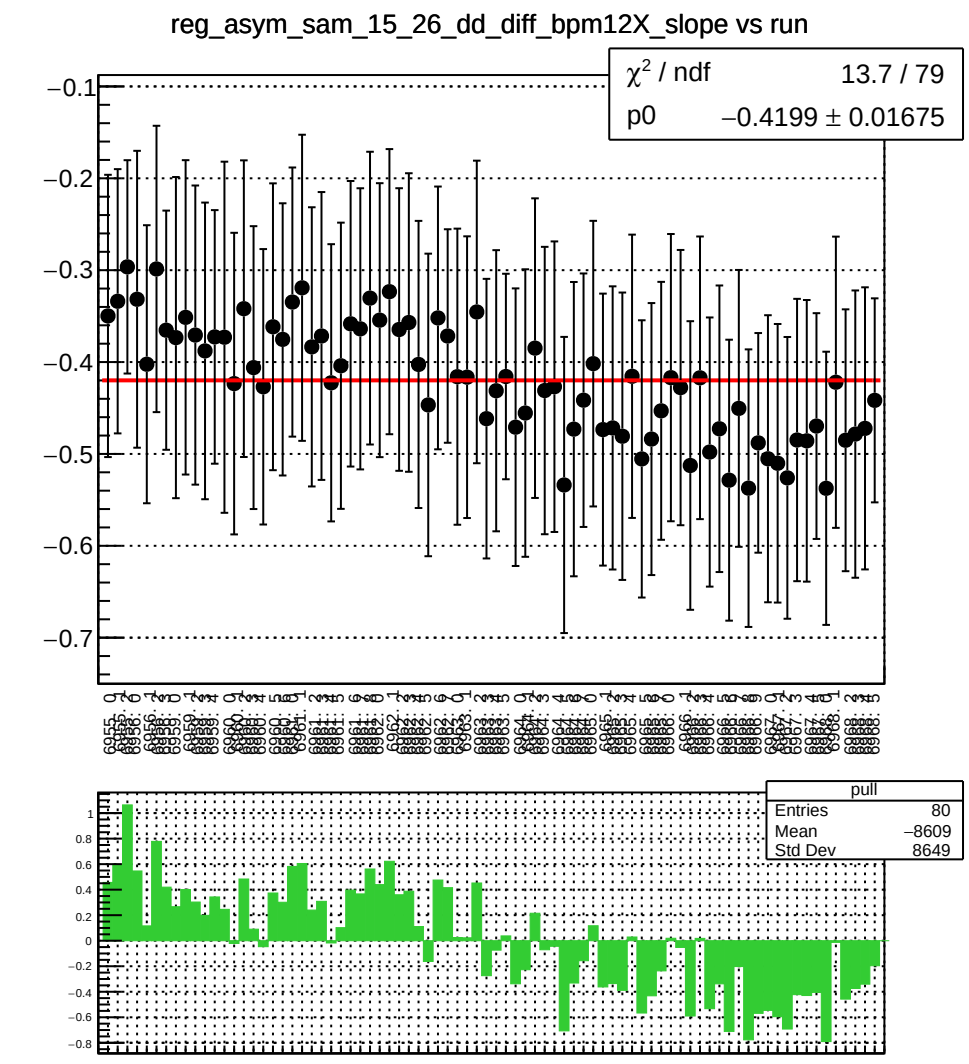

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.14 / 79
p0 −1.476 ± 0.3764
pull
Entries 80
Mean 127.1
Std Dev 80.14

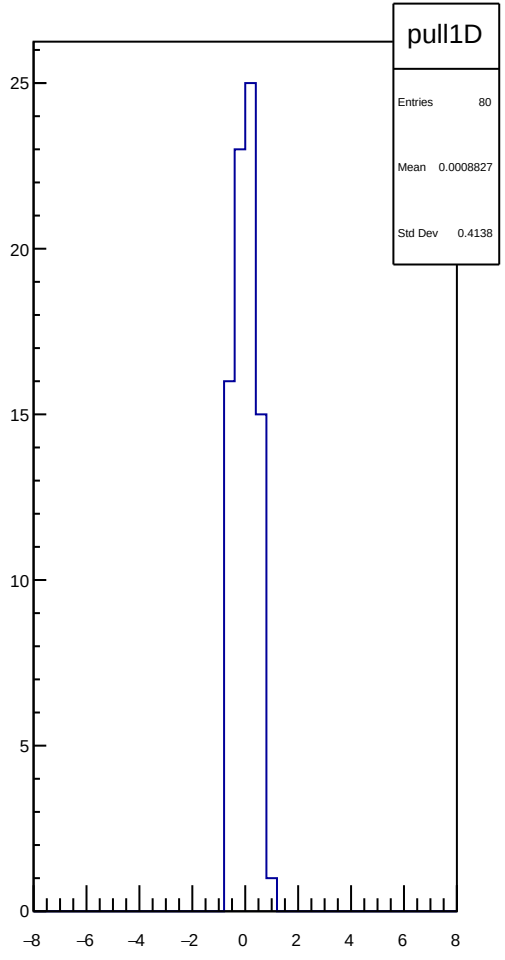

pull1D
Entries 80
Mean 0.04644
Std Dev 0.4869

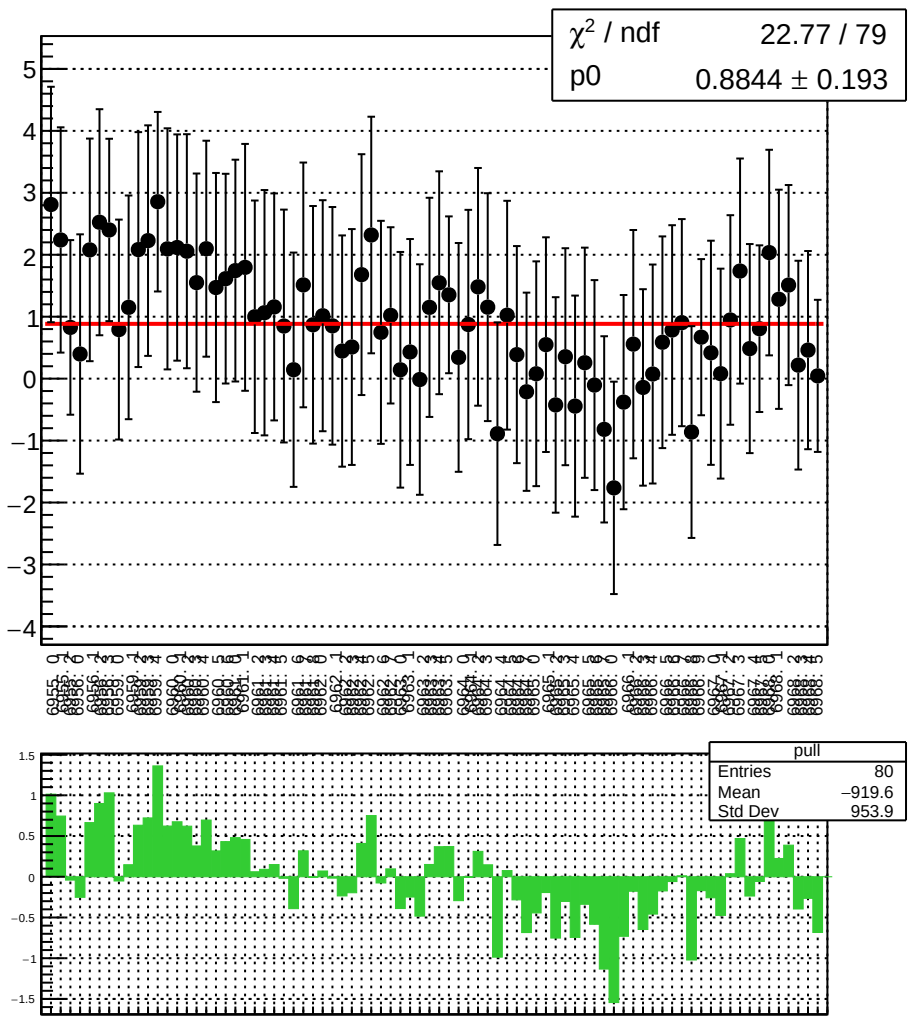

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.213 / 79
p0 27.6 ± 0.5085
pull
Entries 80
Mean 796.3
Std Dev 757.5

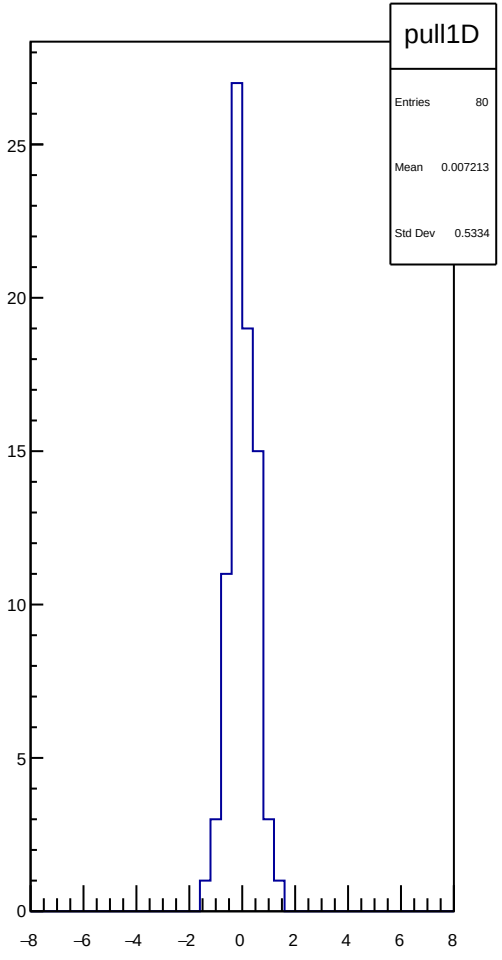

pull1D
Entries 80
Mean 0.003808
Std Dev 0.3393

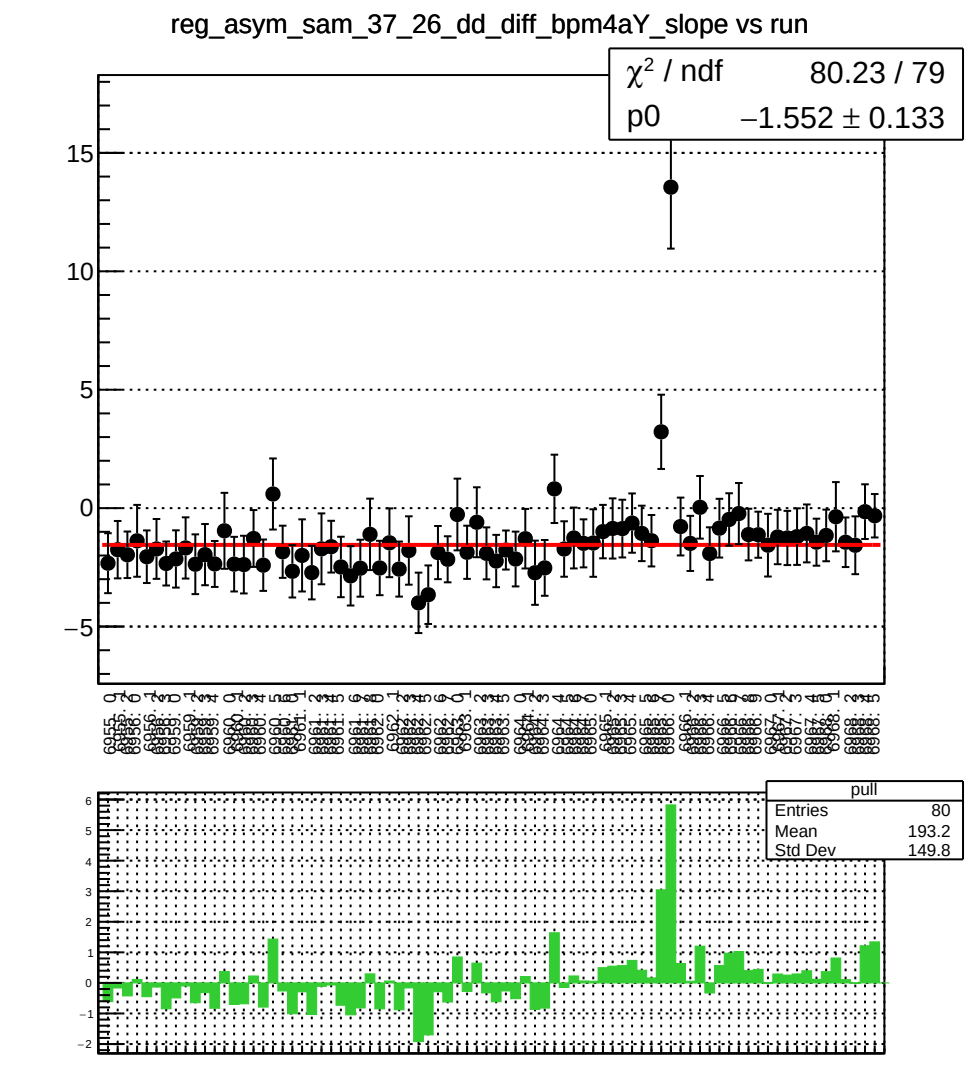

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.77 / 79
p0 43.94 ± 0.4289
pull
Entries 80
Mean 257.6
Std Dev 213.3
pull1D
Entries 80
Mean −0.02792
Std Dev 0.5088

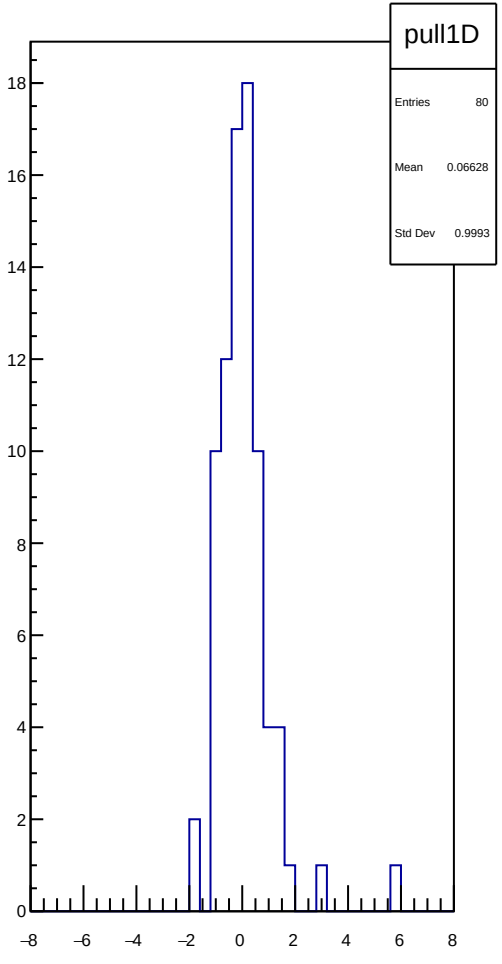

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 13.7 / 79
p0 −0.4199 ± 0.01675
pull
Entries 80
Mean −8609
Std Dev 8649

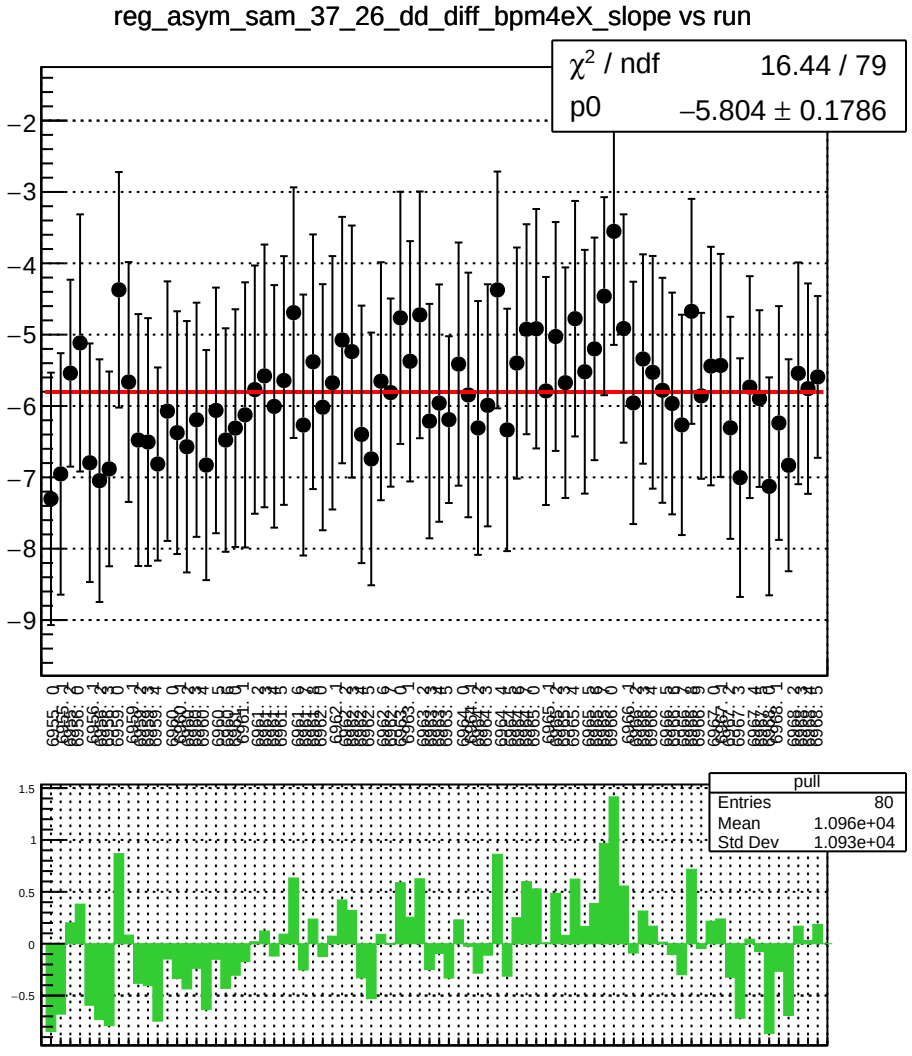

pull1D
Entries 80
Mean 0.0008827
Std Dev 0.4138

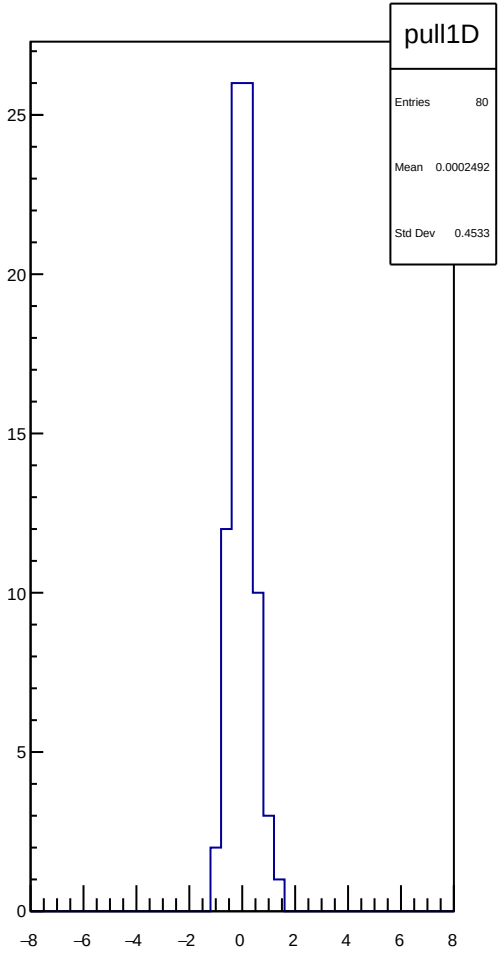

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 22.77 / 79
p0 0.8844 ± 0.193
pull
Entries 80
Mean −919.6
Std Dev 953.9

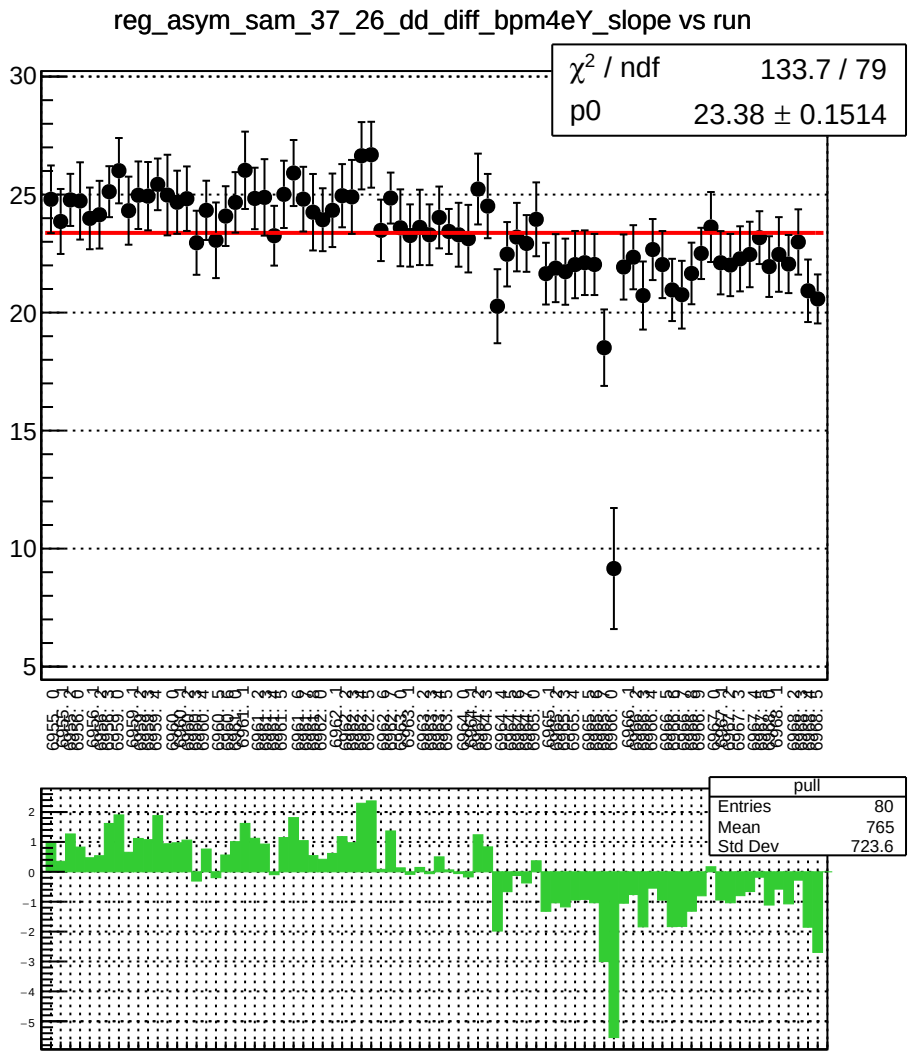

pull1D
Entries 80
Mean 0.007213
Std Dev 0.5334

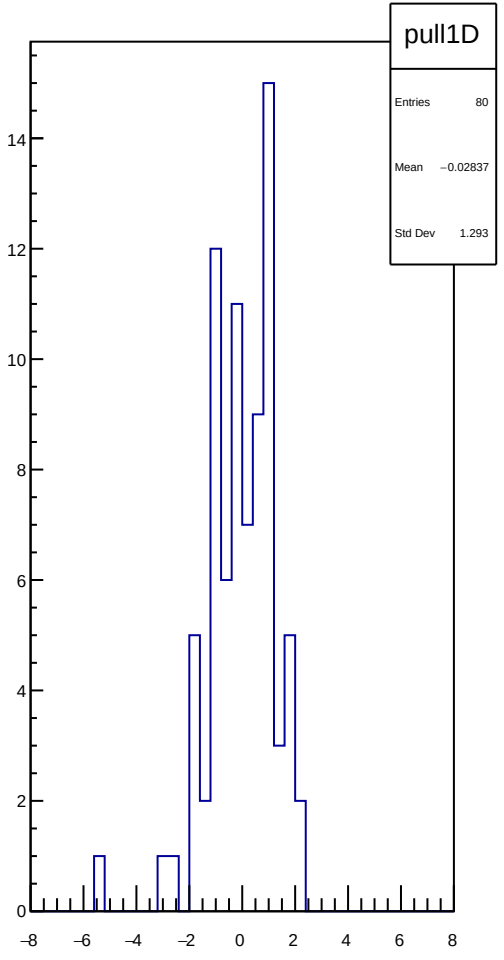

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.23 / 79
p0 −1.552 ± 0.133
pull
Entries 80
Mean 193.2
Std Dev 149.8

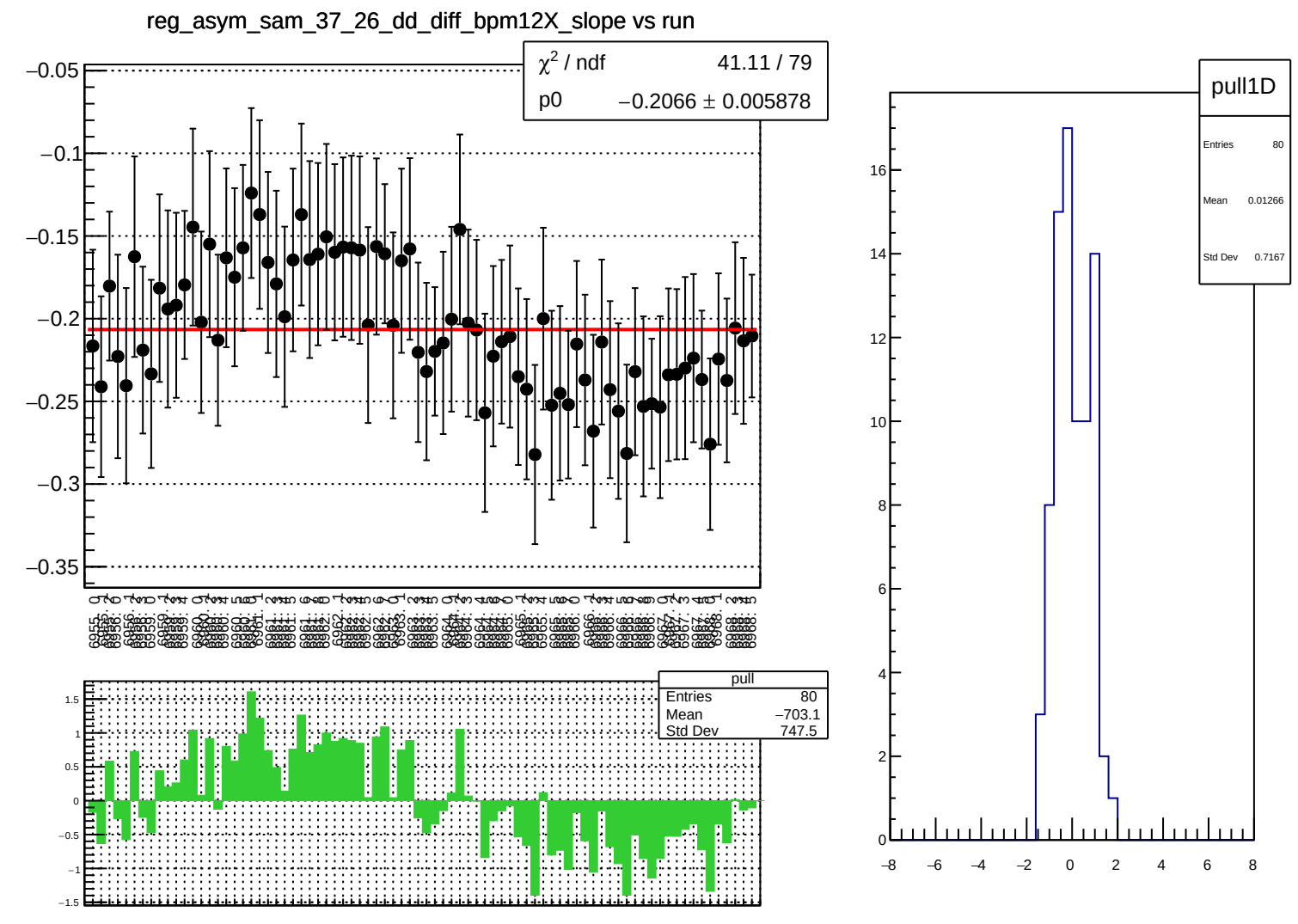

pull1D
Entries 80
Mean 0.06628
Std Dev 0.9993

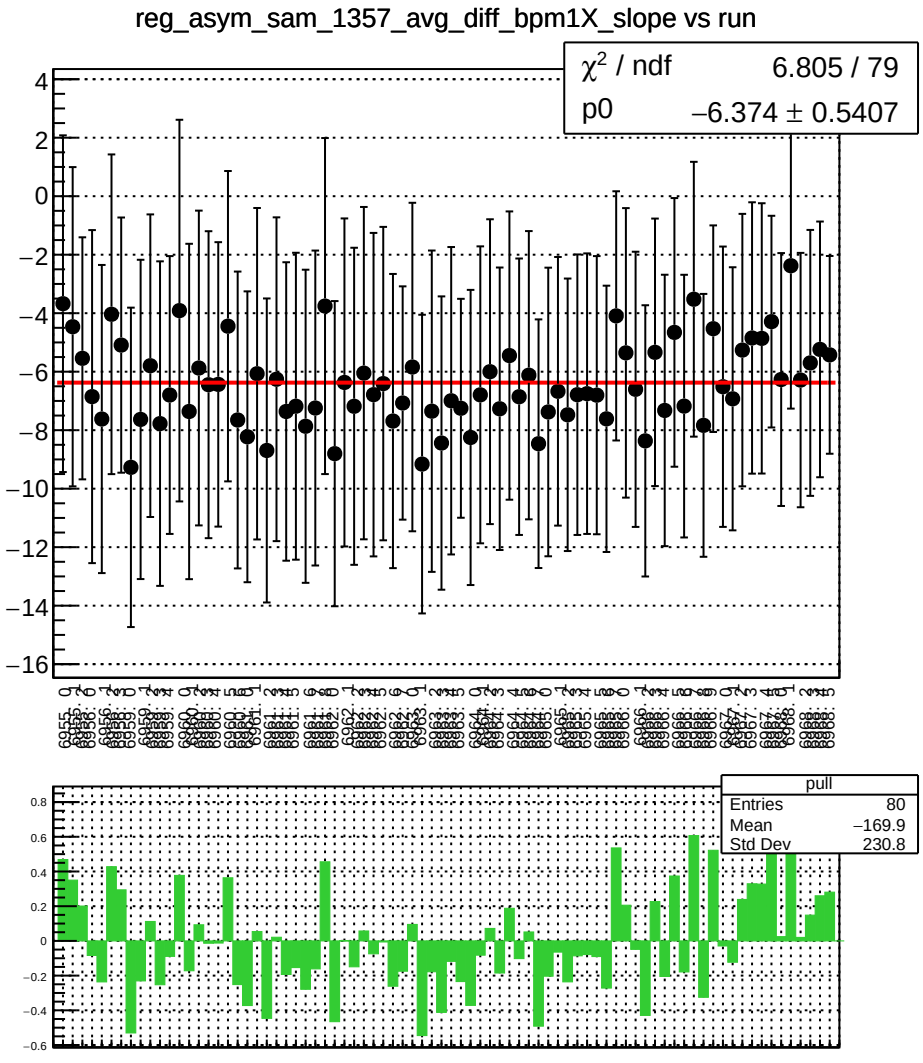

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.44 / 79
p0 −5.804 ± 0.1786
pull
Entries 80
Mean 1.096e+04
Std Dev 1.093e+04

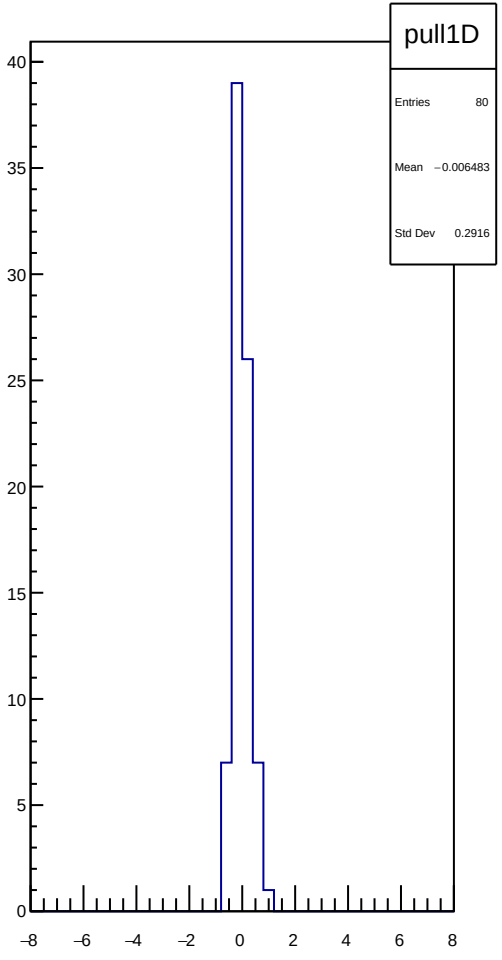

pull1D
Entries 80
Mean 0.0002492
Std Dev 0.4533

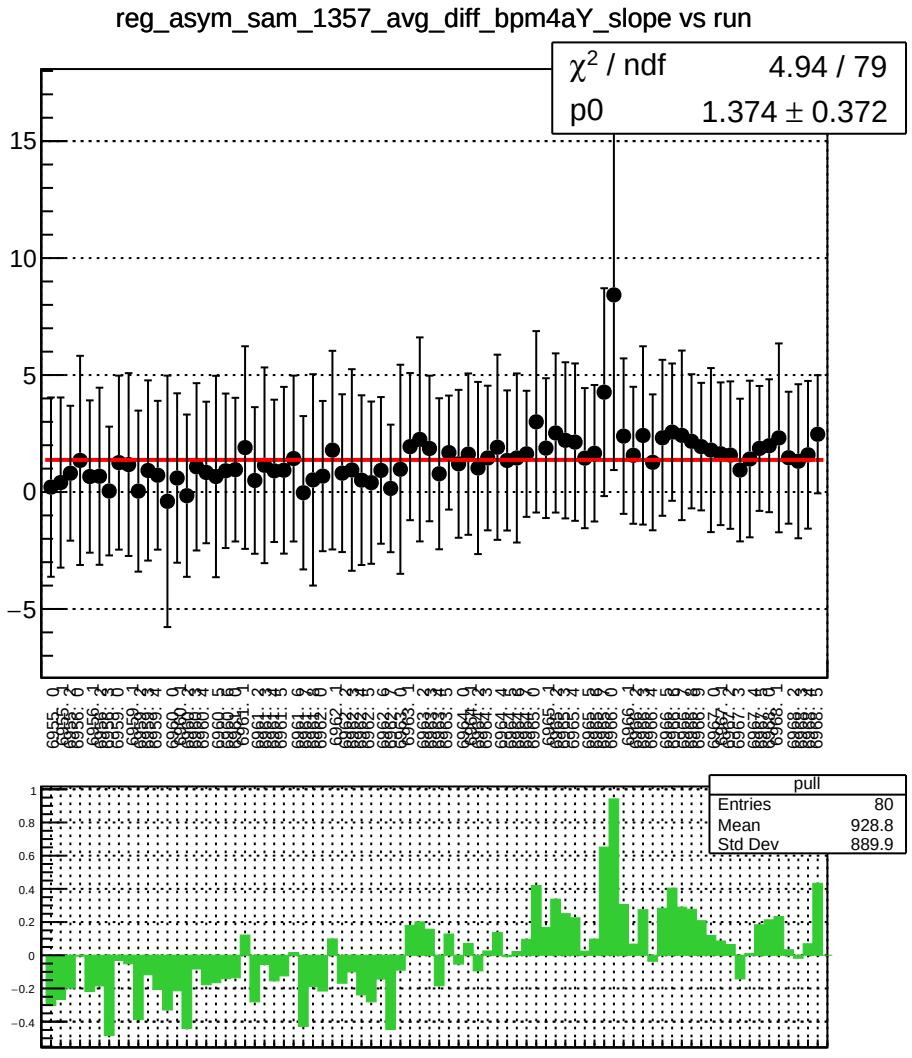

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 133.7 / 79
p0 23.38 ± 0.1514
pull
Entries 80
Mean 765
Std Dev 723.6

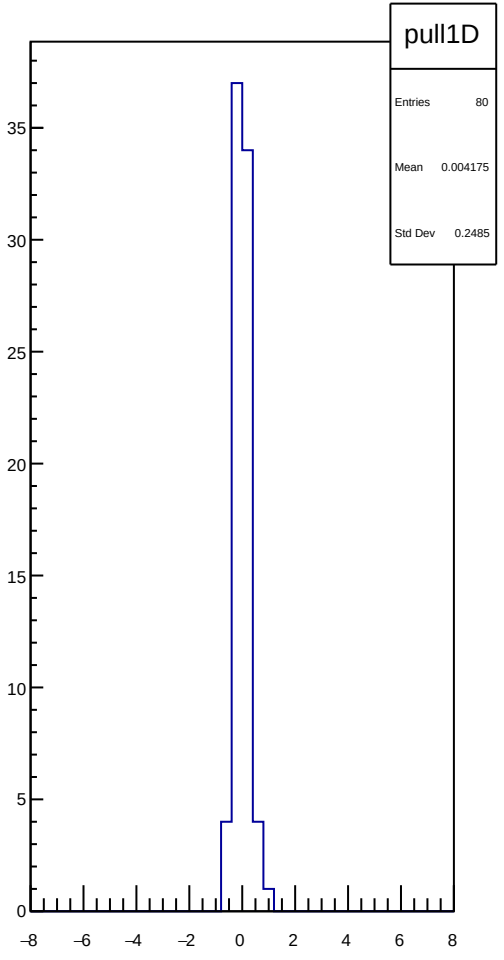

pull1D
Entries 80
Mean −0.02837
Std Dev 1.293

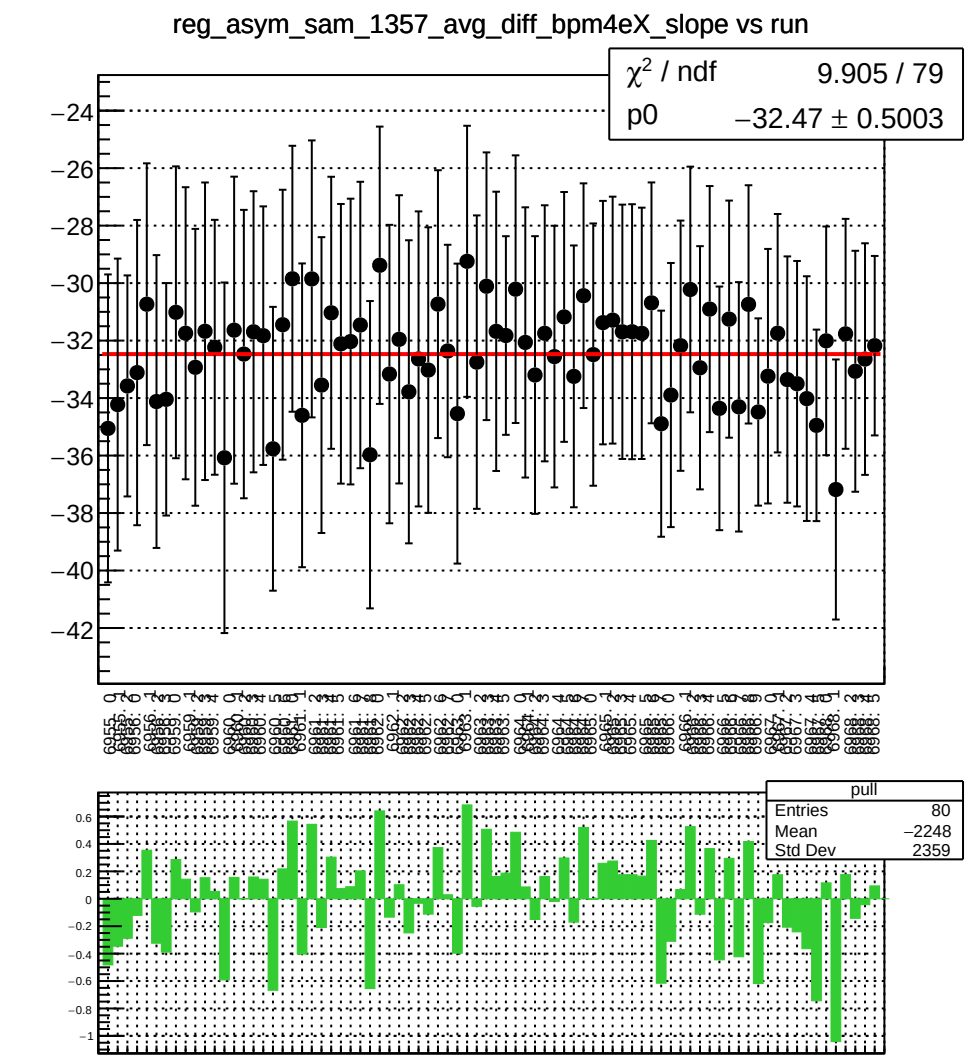

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 41.11 / 79
p0 −0.2066 ± 0.005878
pull
Entries 80
Mean −703.1
Std Dev 747.5
pull1D
Entries 80
Mean 0.01266
Std Dev 0.7167

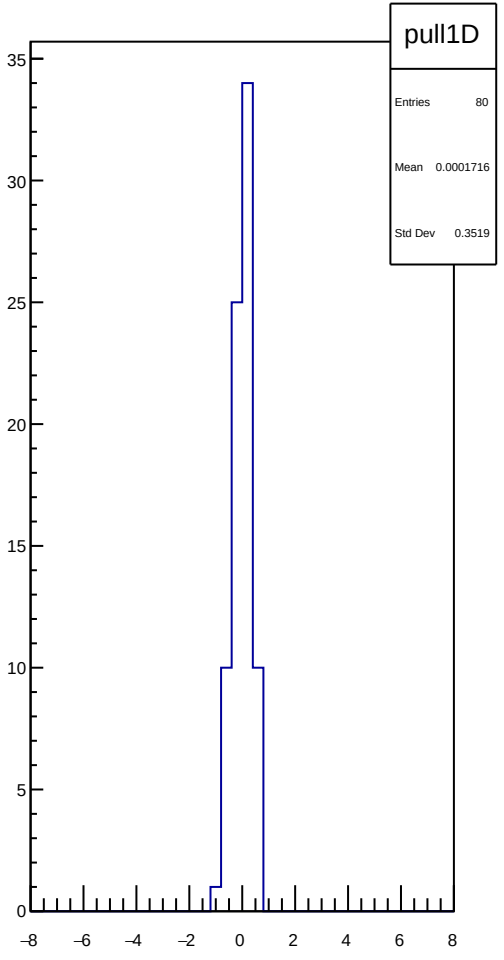

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 6.805 / 79
p0 −6.374 ± 0.5407
pull
Entries 80
Mean −169.9
Std Dev 230.8

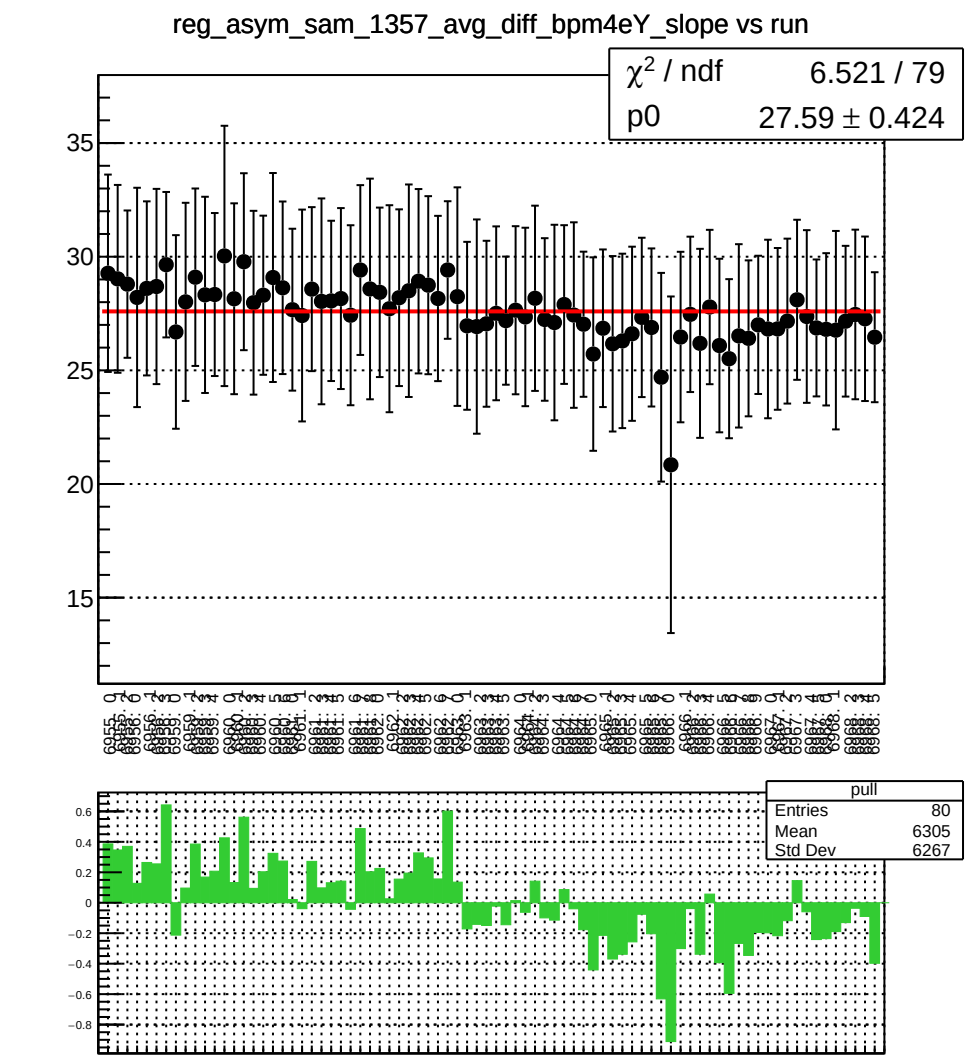

pull1D
Entries 80
Mean −0.006483
Std Dev 0.2916

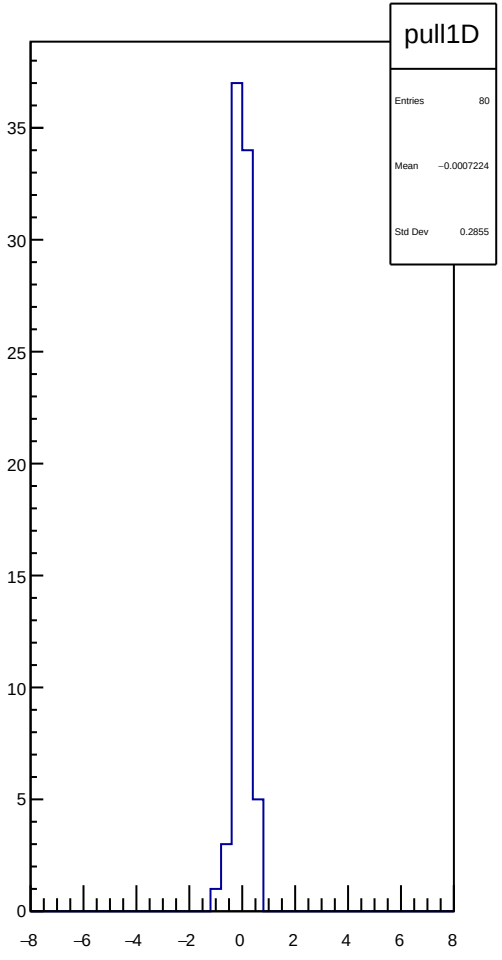

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.94 / 79
p0 1.374 ± 0.372
pull
Entries 80
Mean 928.8
Std Dev 889.9

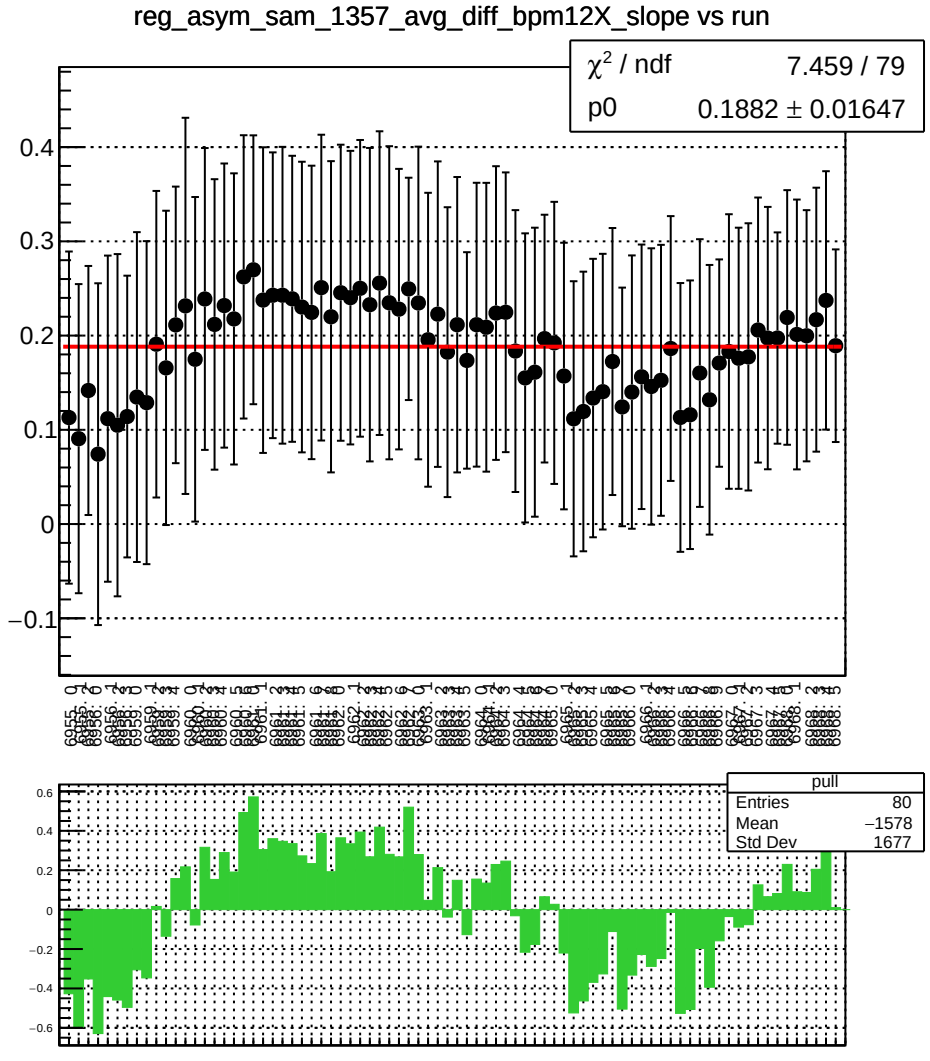

pull1D
Entries 80
Mean 0.004175
Std Dev 0.2485

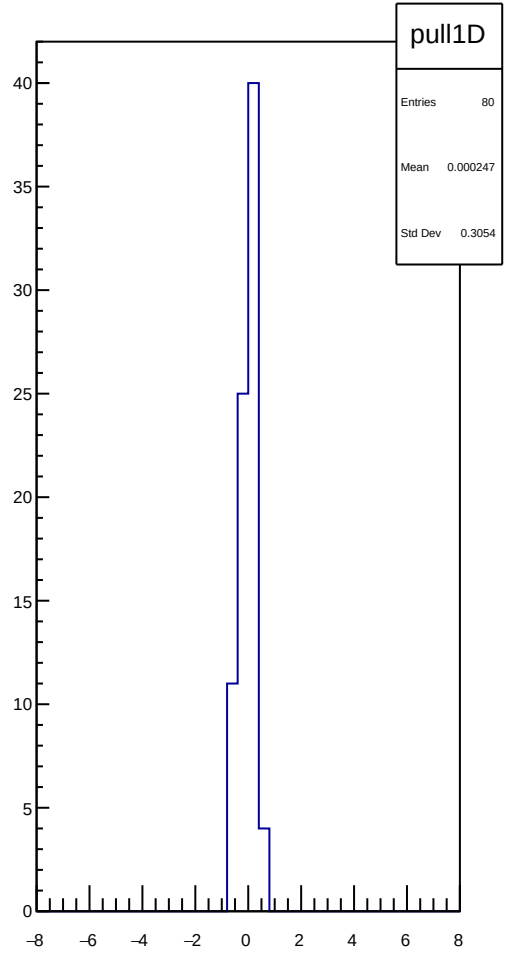

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.905 / 79
p0 −32.47 ± 0.5003
pull
Entries 80
Mean −2248
Std Dev 2359

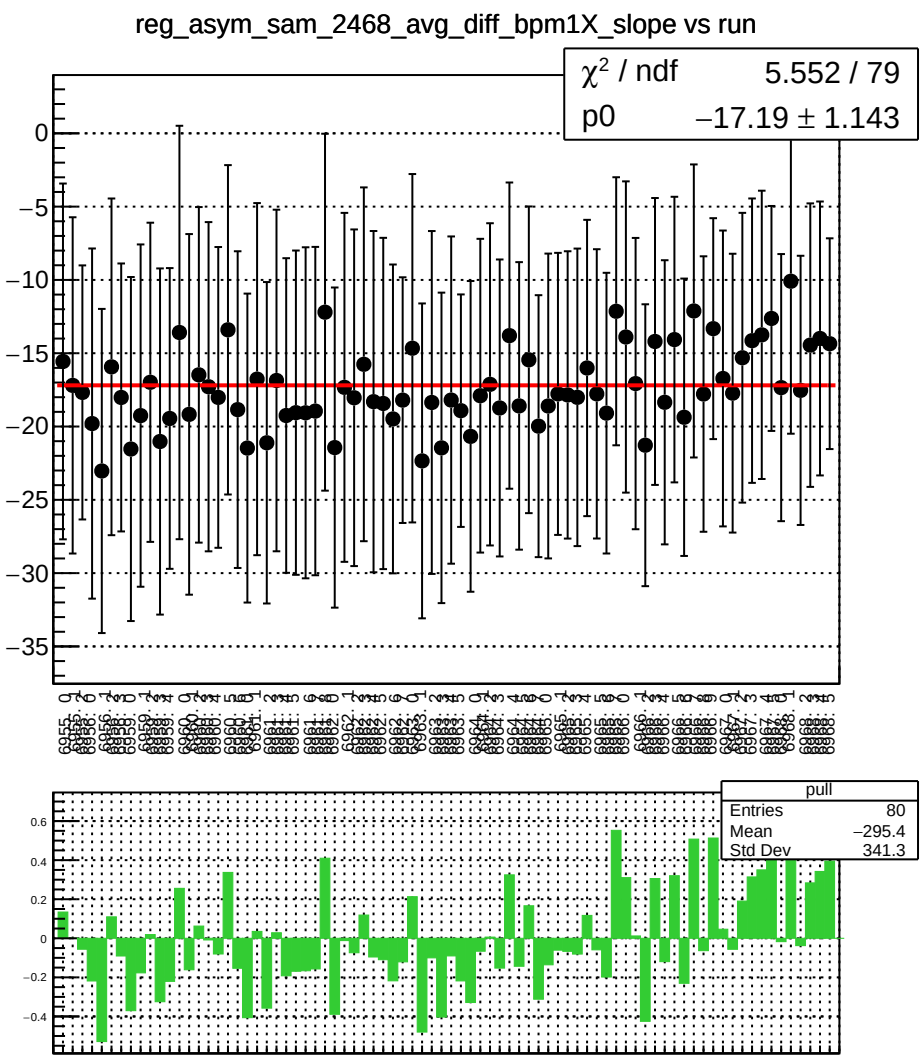

pull1D
Entries 80
Mean 0.0001716
Std Dev 0.3519

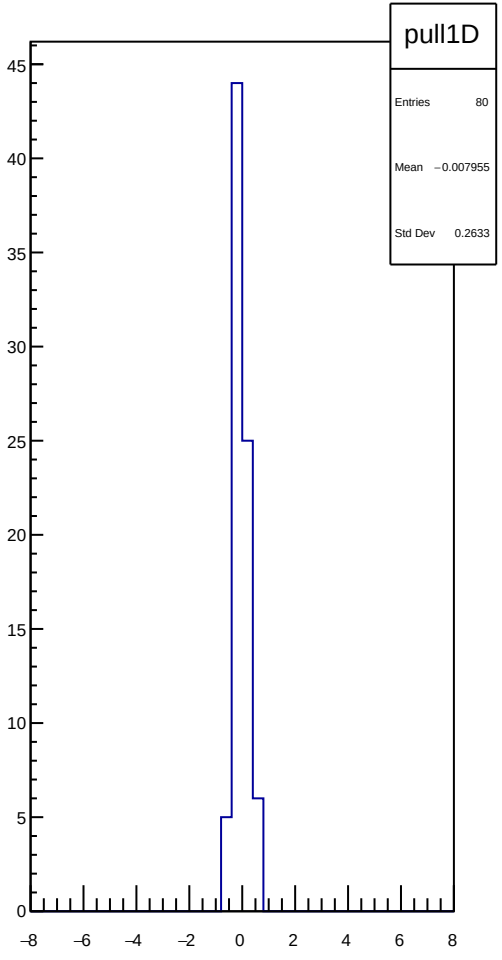

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.521 / 79
p0 27.59 ± 0.424
pull
Entries 80
Mean 6305
Std Dev 6267

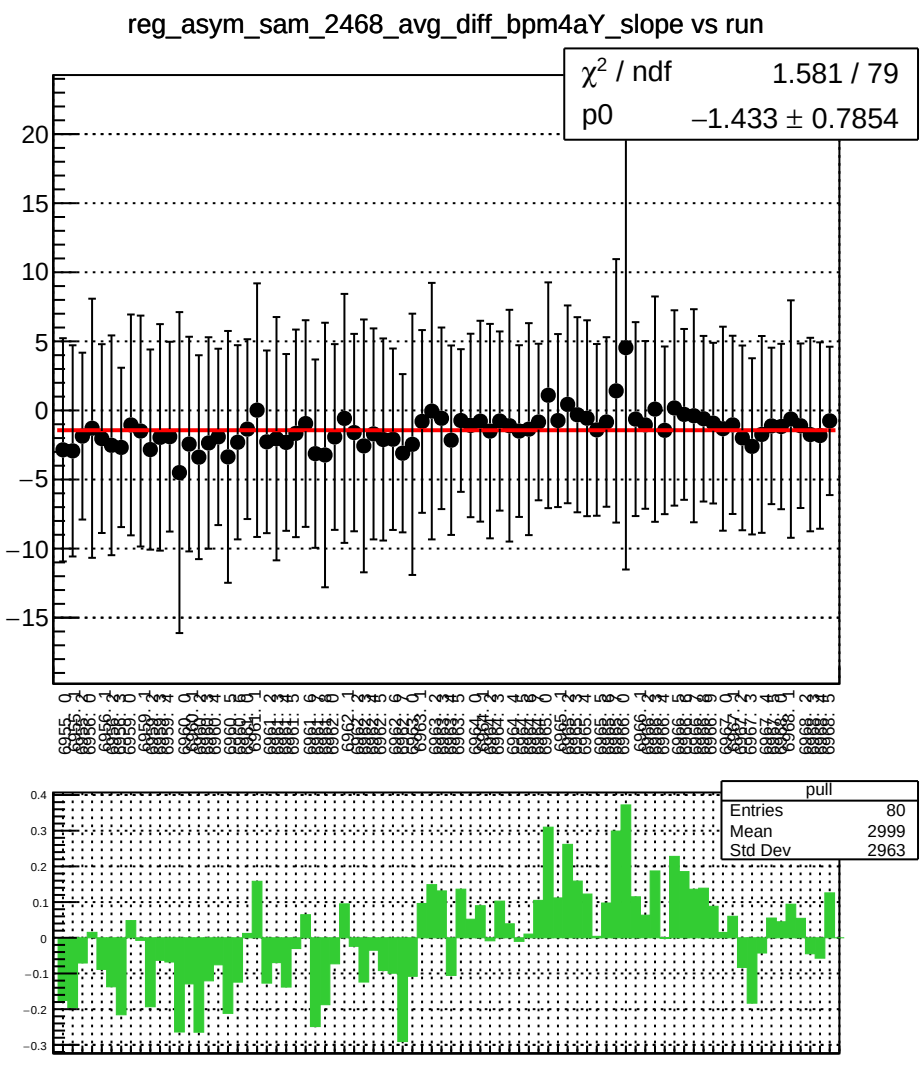

pull1D
Entries 80
Mean −0.0007224
Std Dev 0.2855

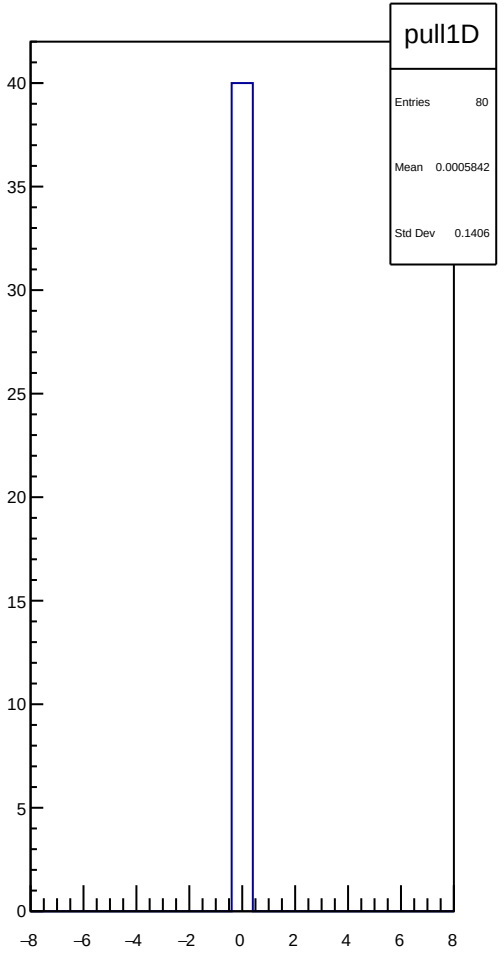

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 7.459 / 79
p0 0.1882 ± 0.01647
pull
Entries 80
Mean −1578
Std Dev 1677

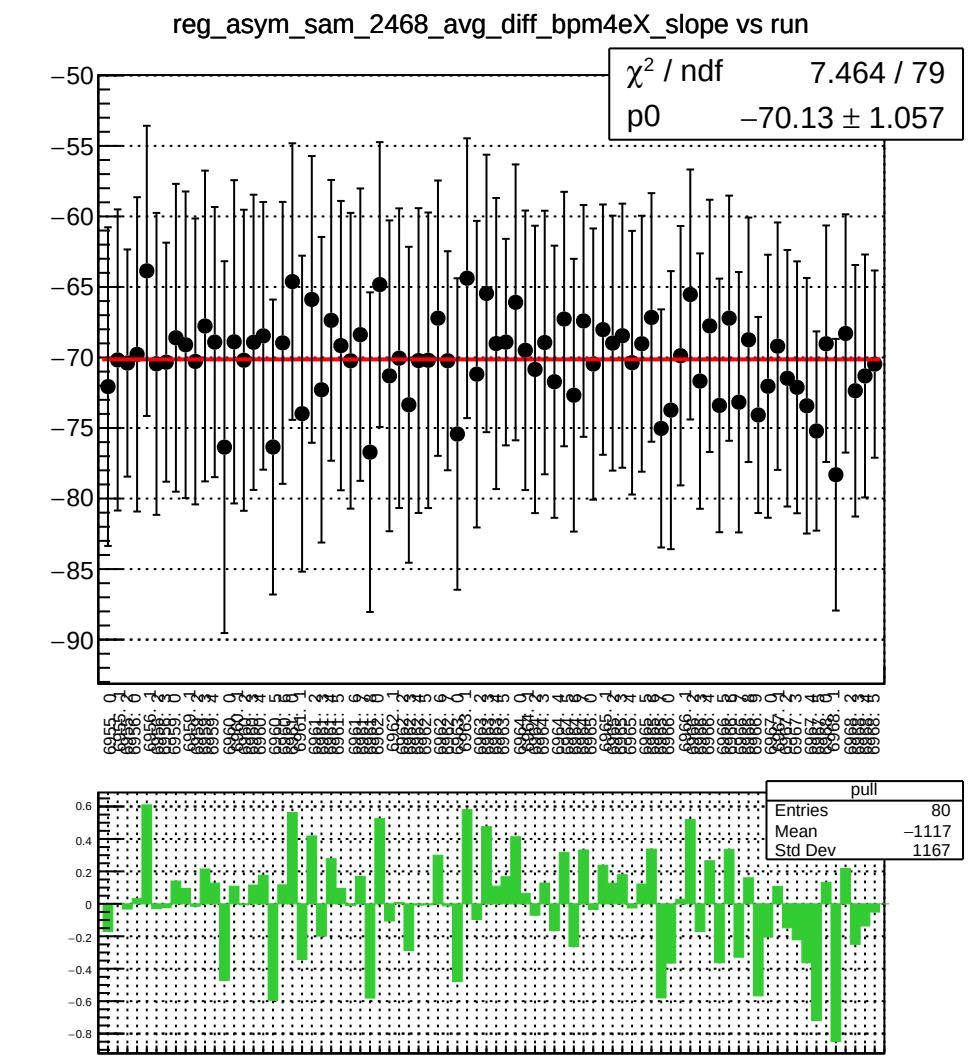

pull1D
Entries 80
Mean 0.000247
Std Dev 0.3054

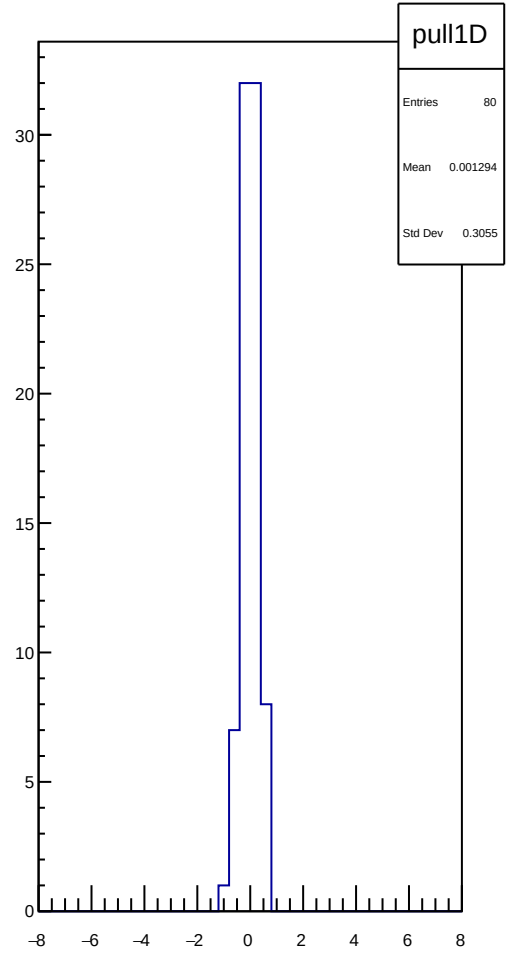

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 5.552 / 79
p0 −17.19 ± 1.143
pull
Entries 80
Mean −295.4
Std Dev 341.3

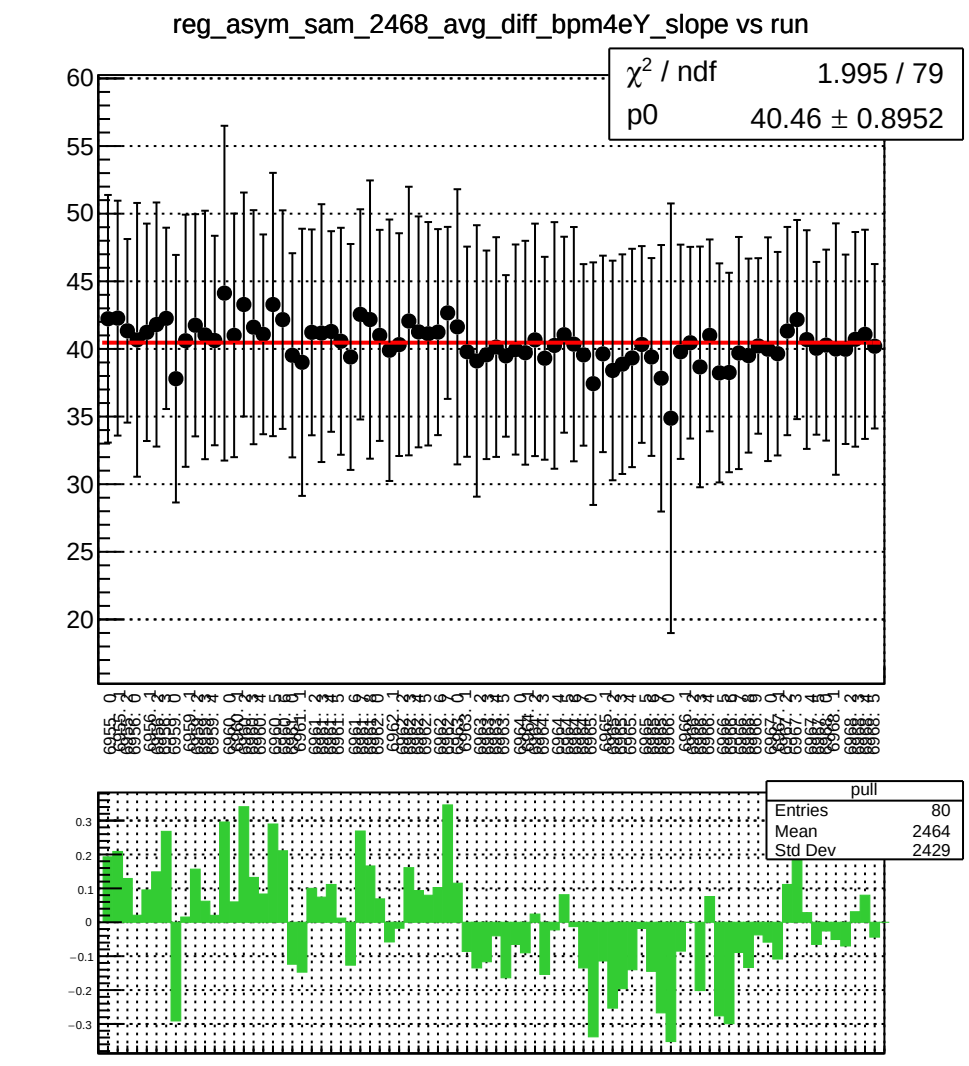

pull1D
Entries 80
Mean −0.007955
Std Dev 0.2633

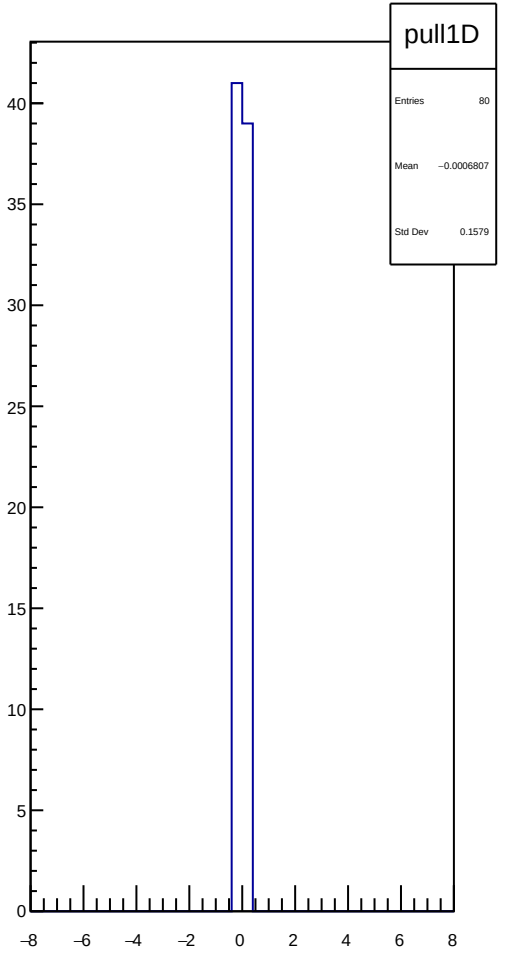

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.581 / 79
p0 −1.433 ± 0.7854
pull
Entries 80
Mean 2999
Std Dev 2963

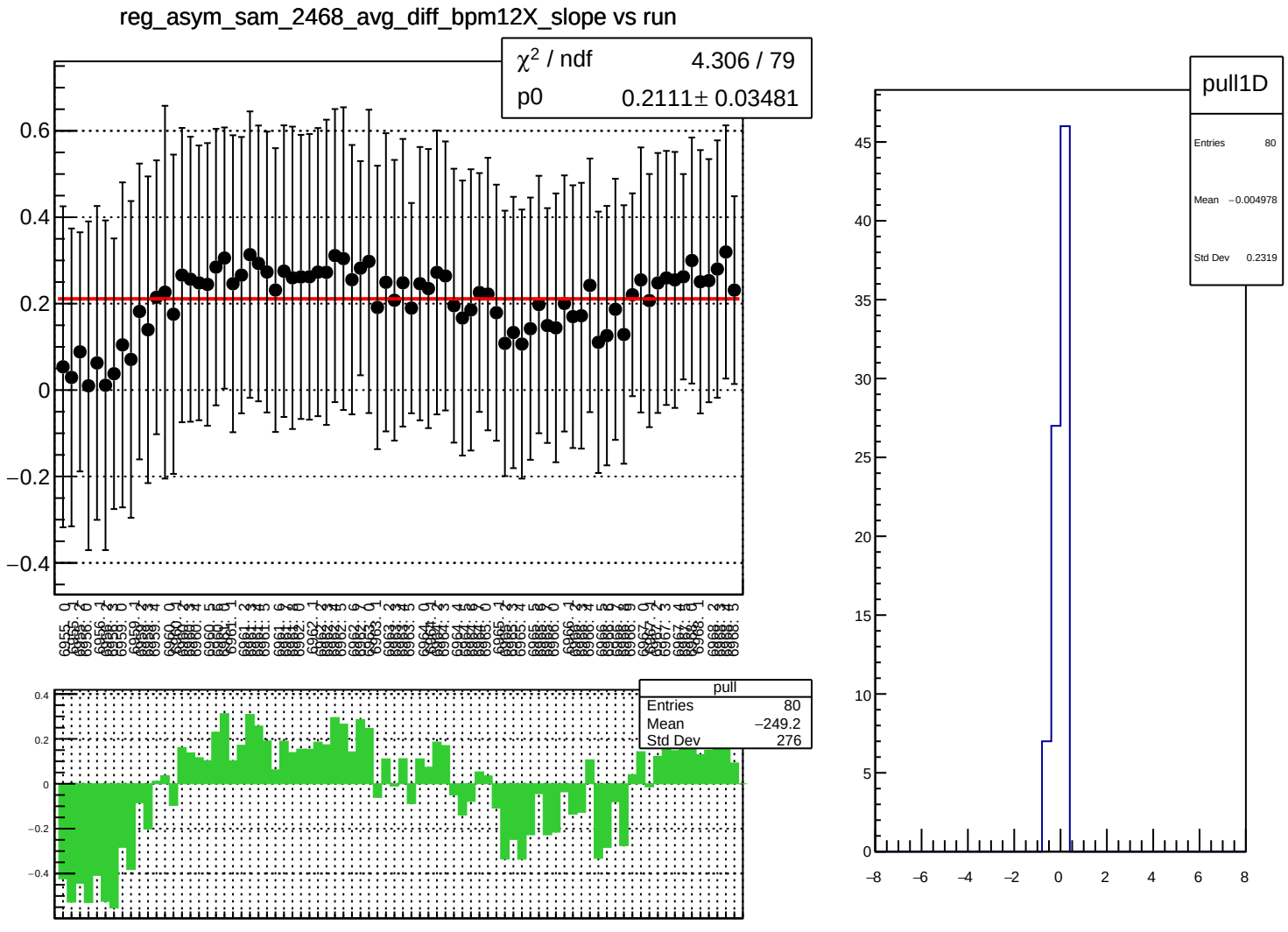

pull1D
Entries 80
Mean 0.0005842
Std Dev 0.1406

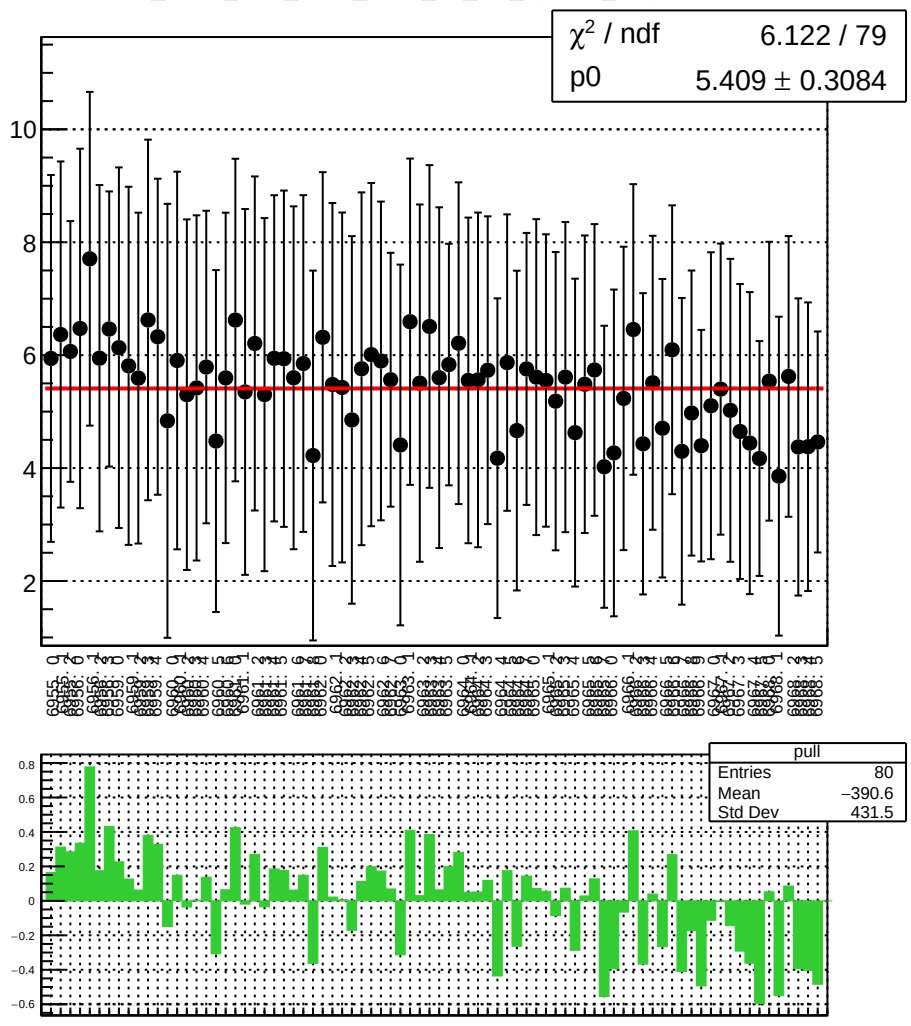

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.464 / 79
p0 −70.13 ± 1.057
pull
Entries 80
Mean −1117
Std Dev 1167

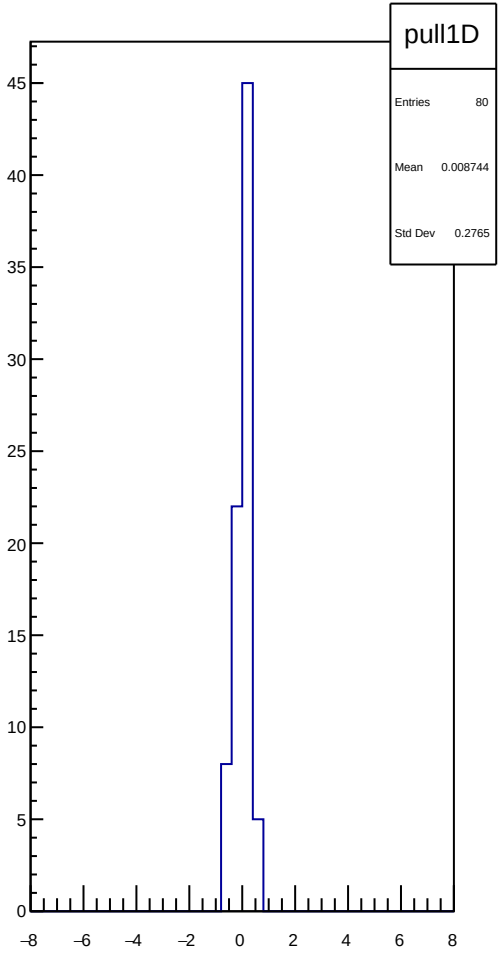

pull1D
Entries 80
Mean 0.001294
Std Dev 0.3055

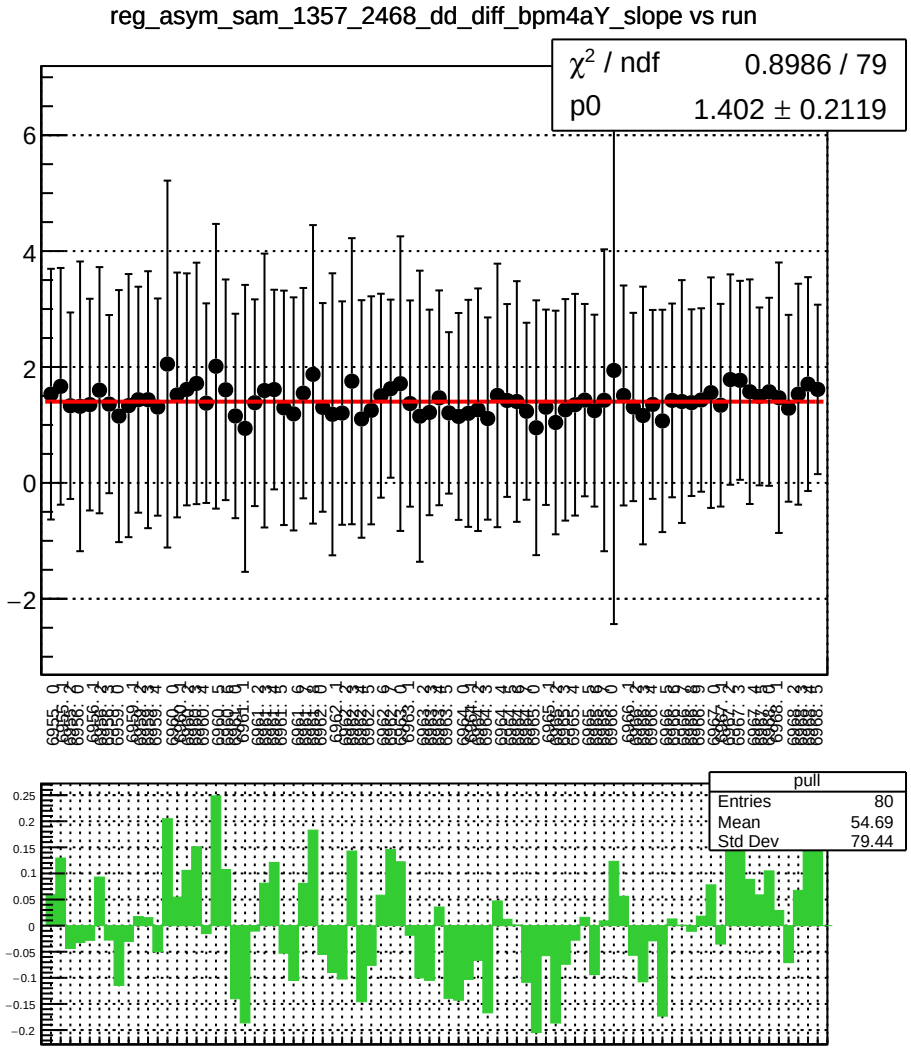

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.995 / 79
p0 40.46 ± 0.8952
pull
Entries 80
Mean 2464
Std Dev 2429

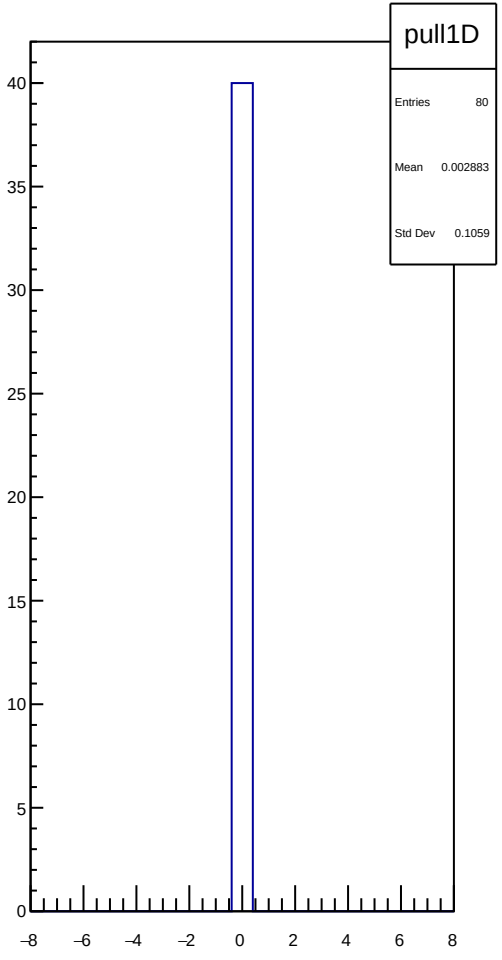

pull1D
Entries 80
Mean −0.0006807
Std Dev 0.1579

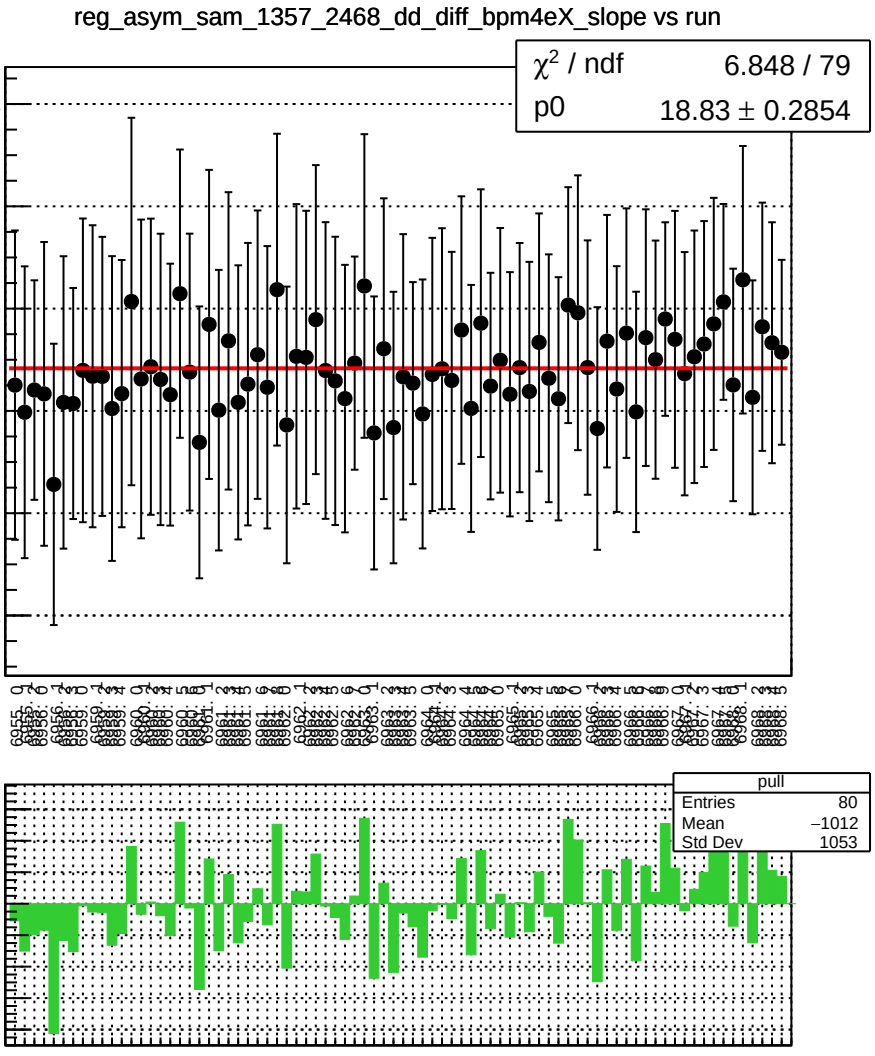

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 4.306 / 79
p0 0.2111± 0.03481
pull
Entries 80
Mean −249.2
Std Dev 276
pull1D
Entries 80
Mean −0.004978
Std Dev 0.2319

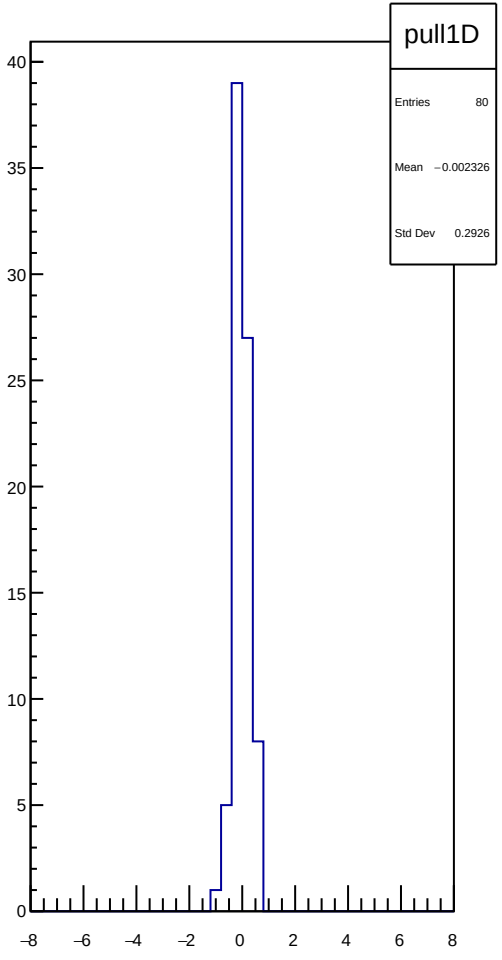

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 6.122 / 79
p0 5.409 ± 0.3084
pull
Entries 80
Mean −390.6
Std Dev 431.5

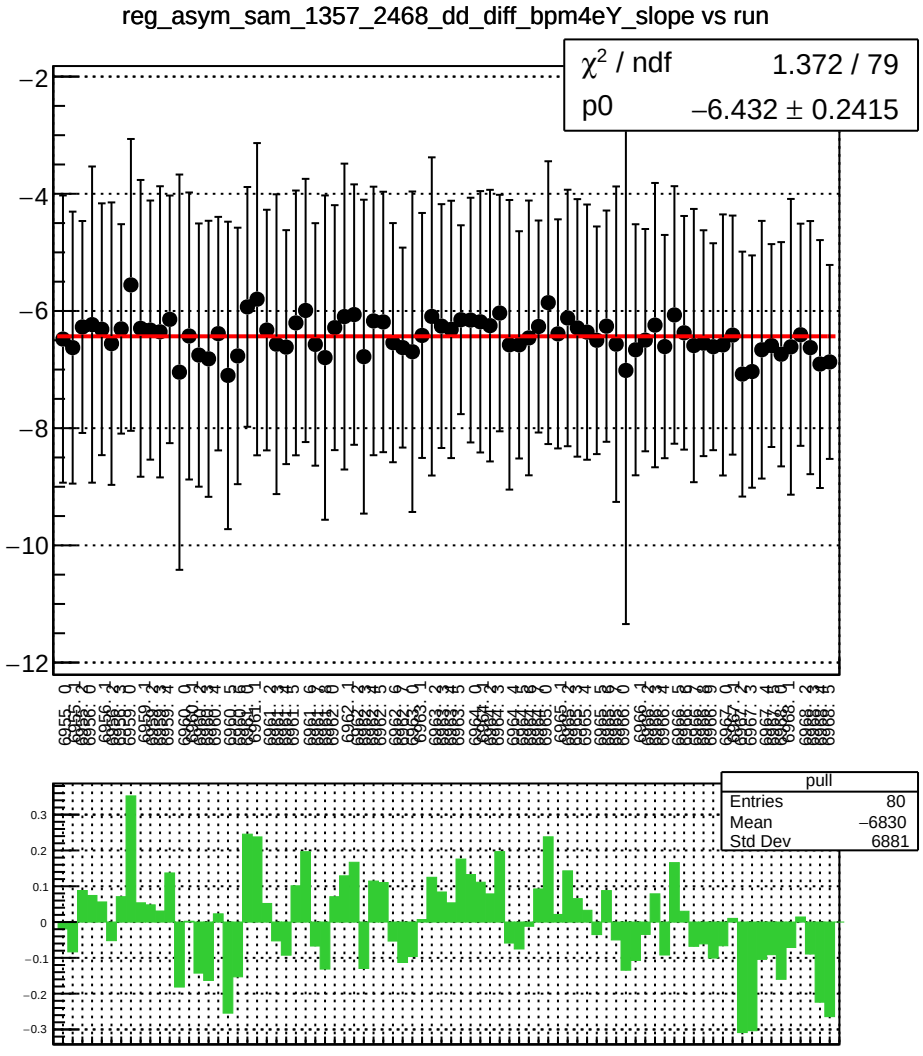

pull1D
Entries 80
Mean 0.008744
Std Dev 0.2765

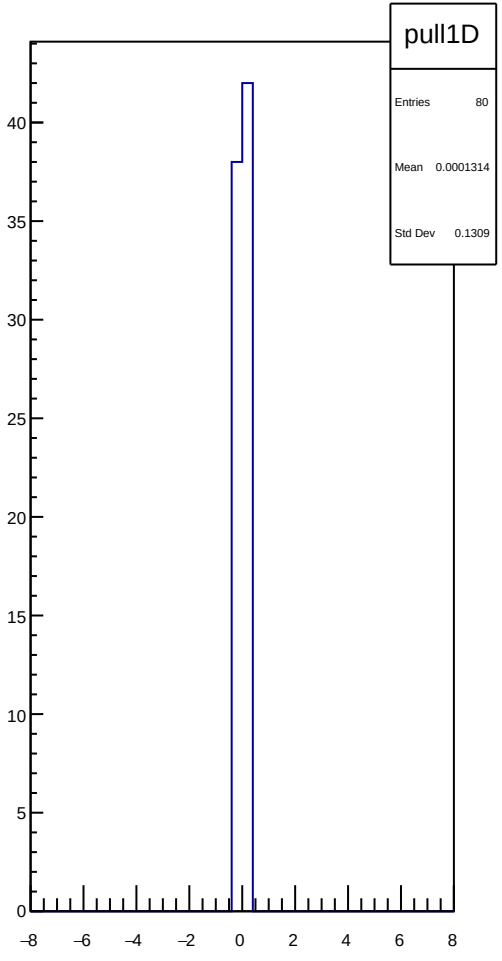

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8986 / 79
p0 1.402 ± 0.2119
pull
Entries 80
Mean 54.69
Std Dev 79.44

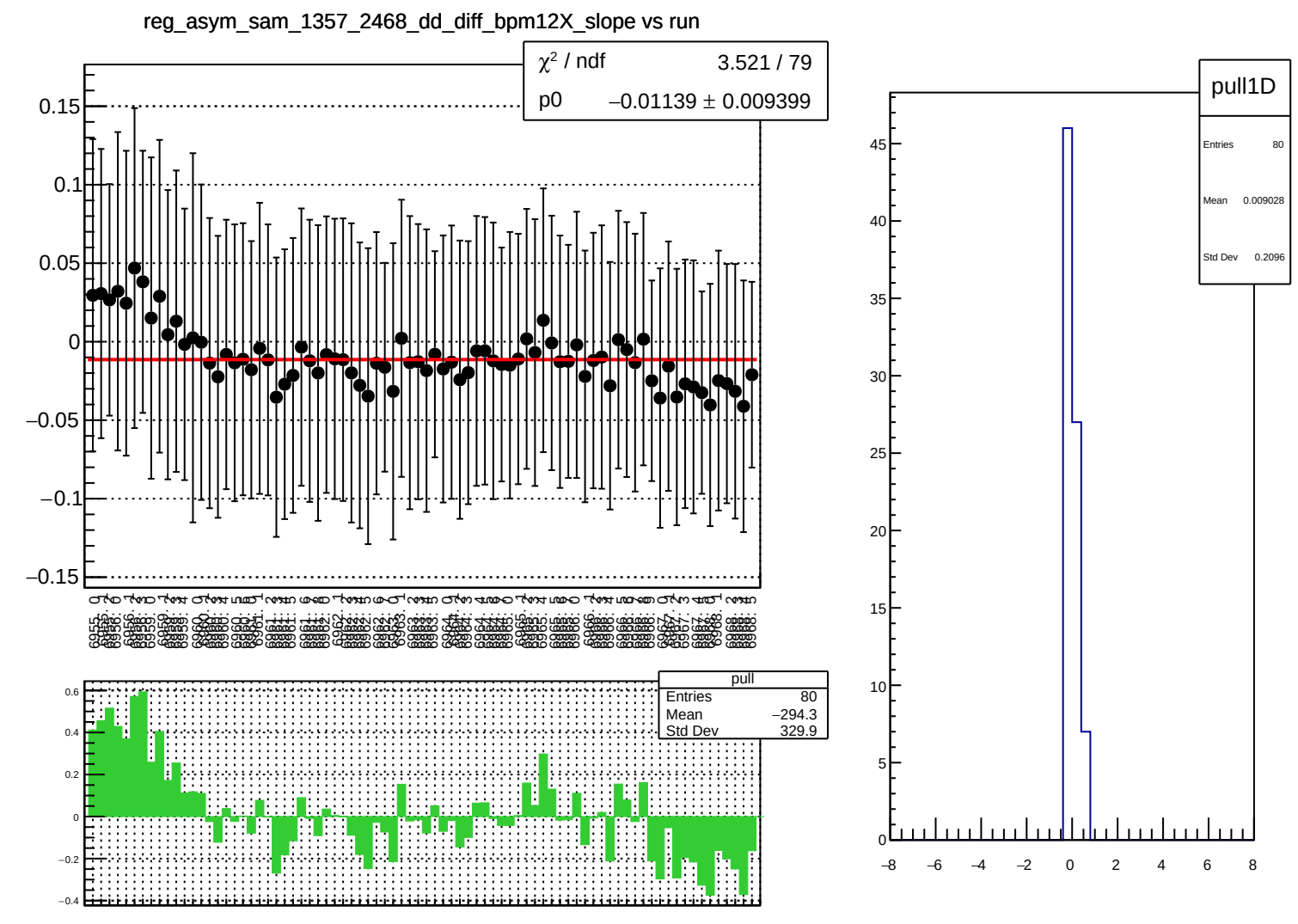

pull1D
Entries 80
Mean 0.002883
Std Dev 0.1059

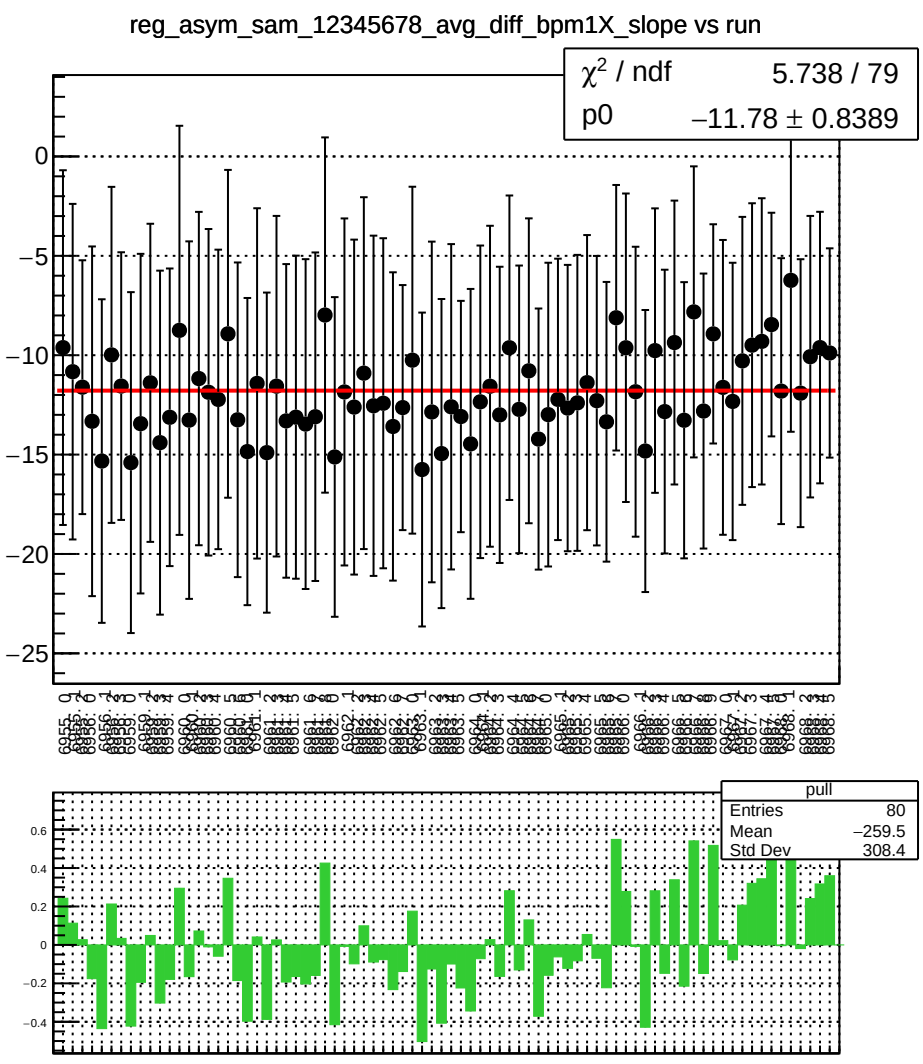

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.848 / 79
p0 18.83 ± 0.2854
pull
Entries 80
Mean −1012
Std Dev 1053

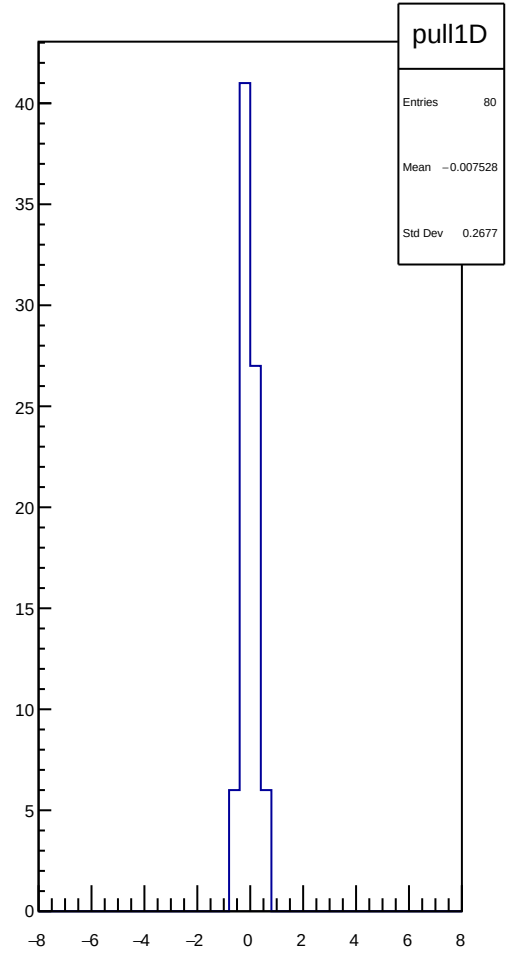

pull1D
Entries 80
Mean −0.002326
Std Dev 0.2926

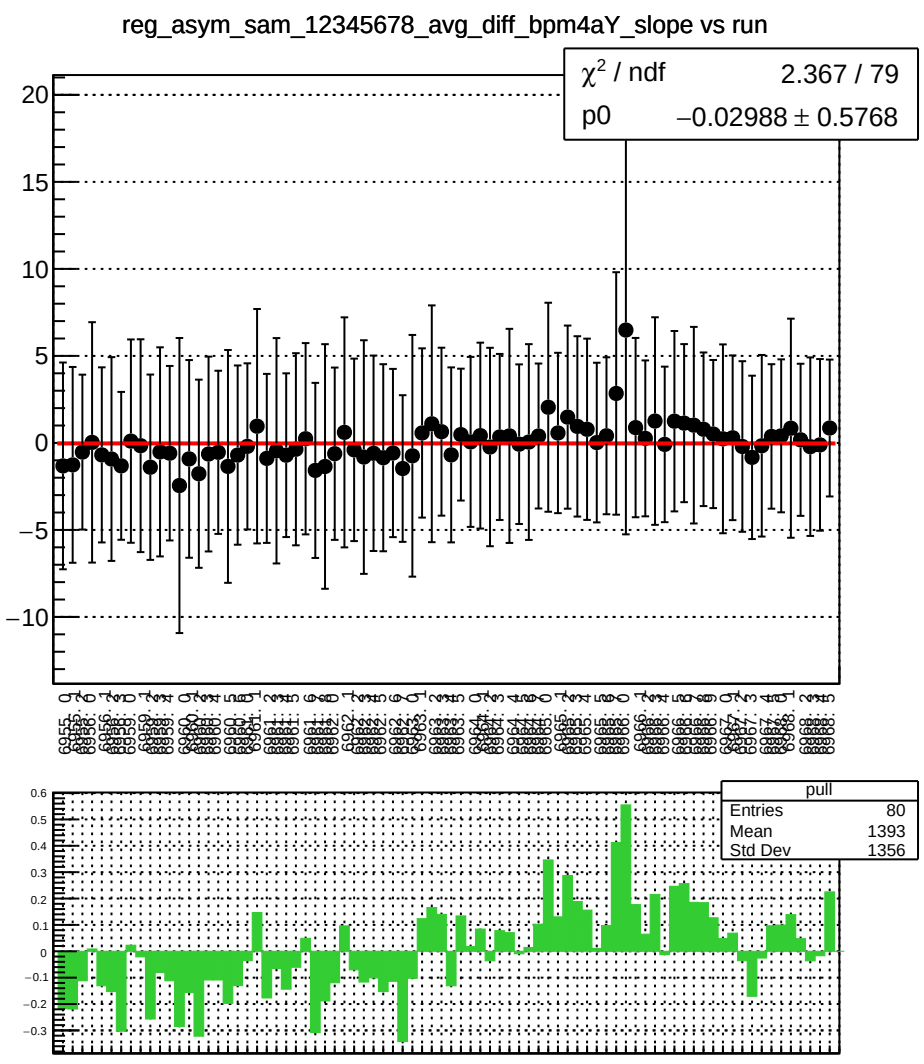

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.372 / 79
p0 −6.432 ± 0.2415
pull
Entries 80
Mean −6830
Std Dev 6881

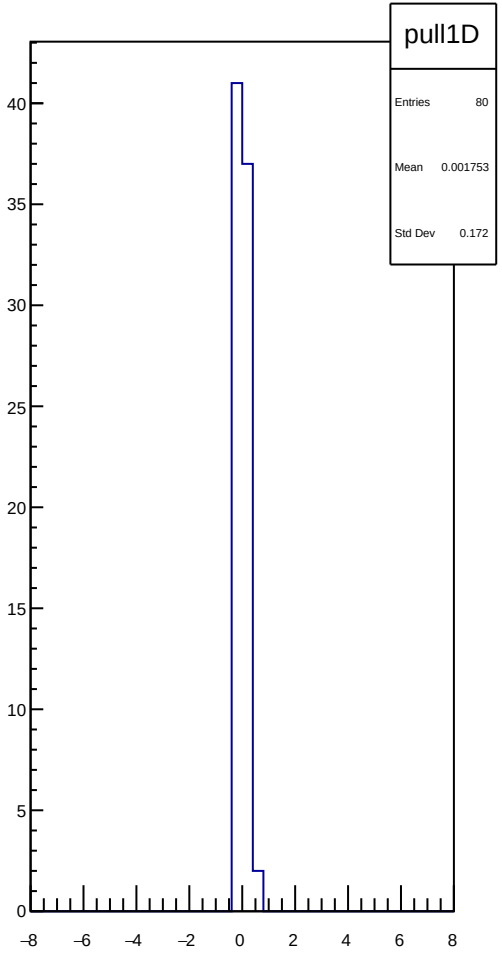

pull1D
Entries 80
Mean 0.0001314
Std Dev 0.1309

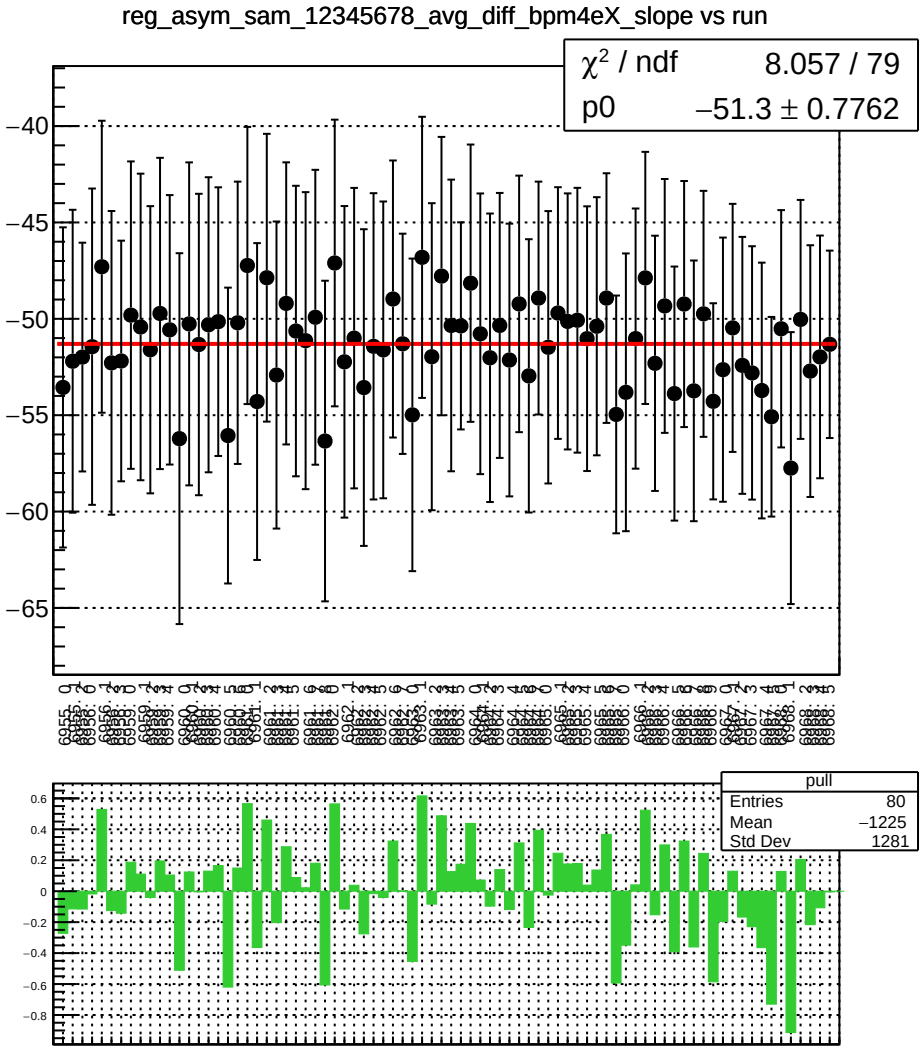

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 3.521 / 79
p0 −0.01139 ± 0.009399
pull
Entries 80
Mean −294.3
Std Dev 329.9
pull1D
Entries 80
Mean 0.009028
Std Dev 0.2096

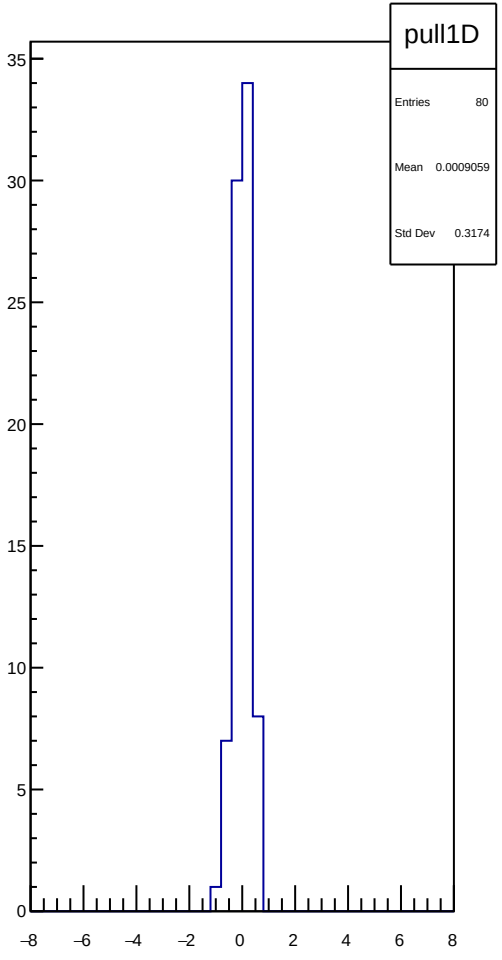

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 5.738 / 79
p0 −11.78 ± 0.8389
pull
Entries 80
Mean −259.5
Std Dev 308.4

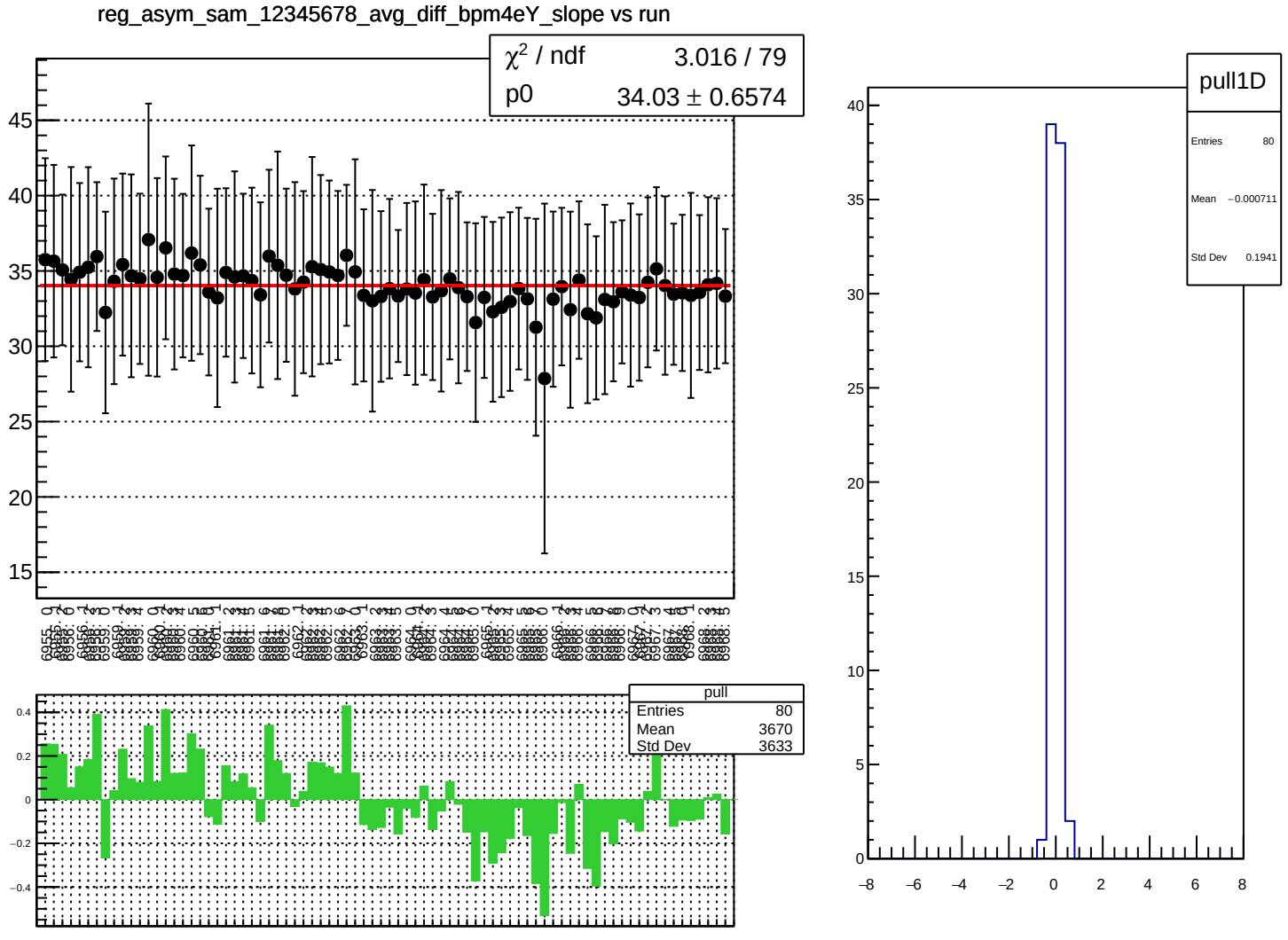

pull1D
Entries 80
Mean −0.007528
Std Dev 0.2677

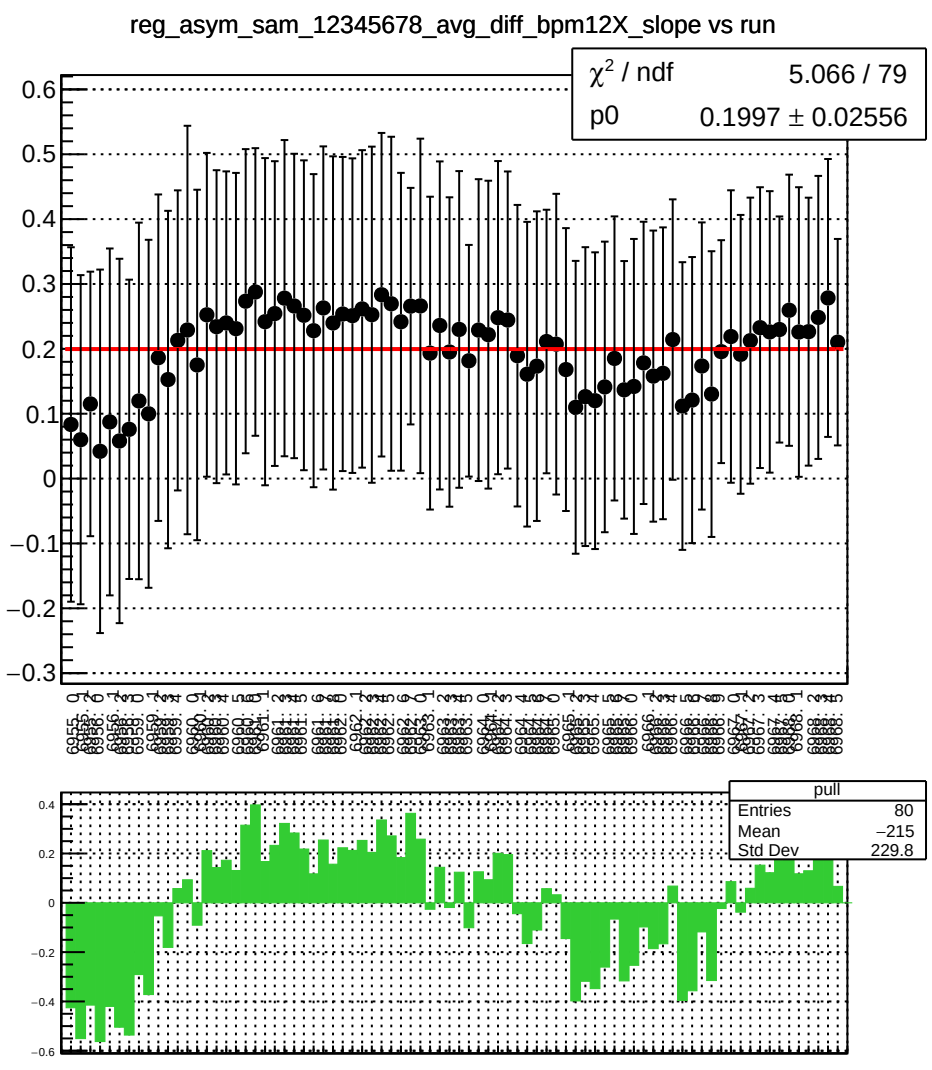

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.367 / 79
p0 −0.02988 ± 0.5768
pull
Entries 80
Mean 1393
Std Dev 1356

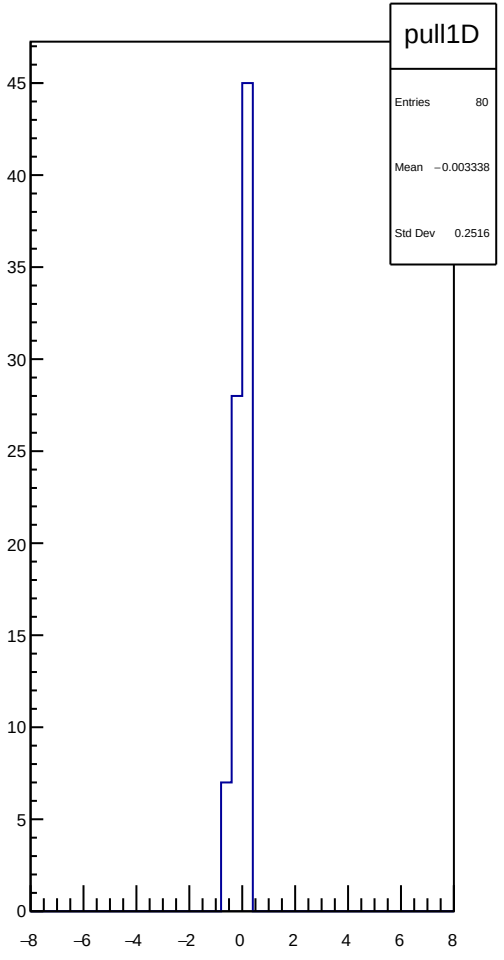

pull1D
Entries 80
Mean 0.001753
Std Dev 0.172

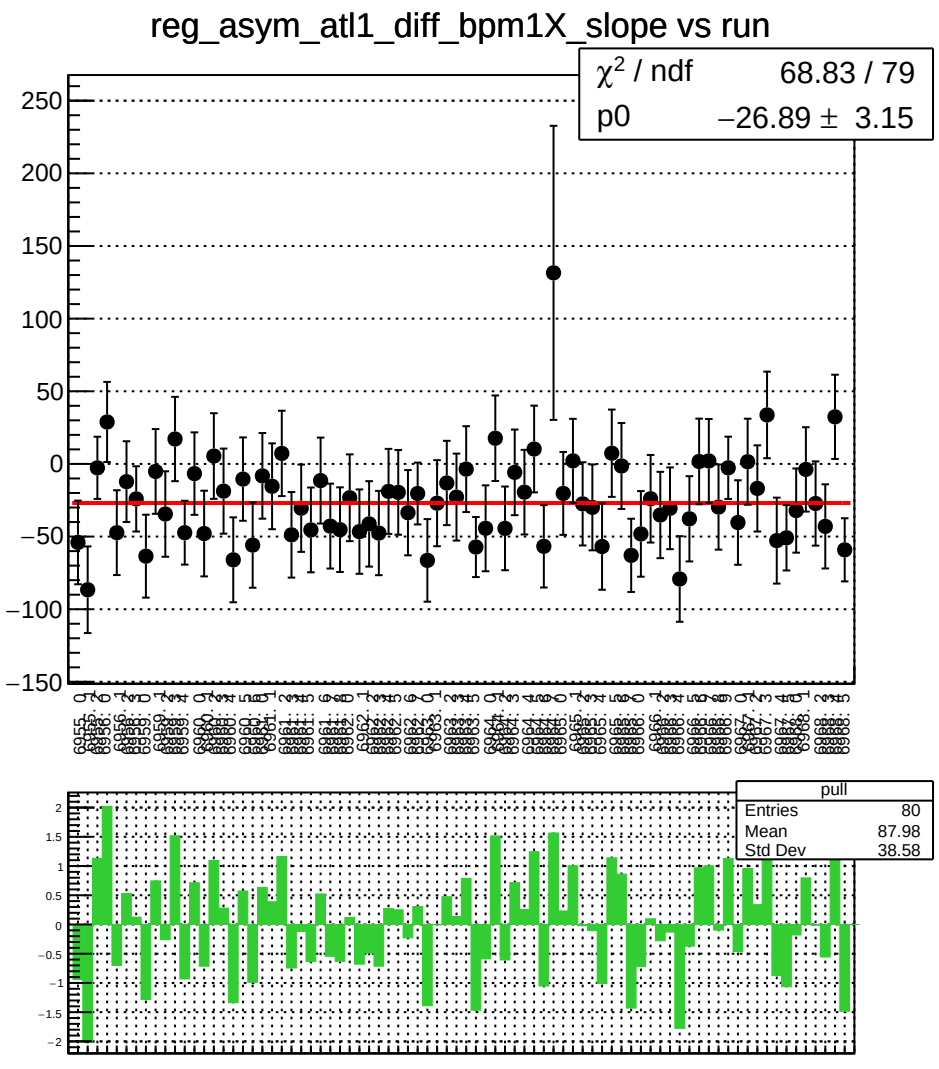

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.057 / 79
p0 −51.3 ± 0.7762
−40
−45
−50
−55
−60
−65
pull
Entries 80
Mean −1225
Std Dev 1281
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

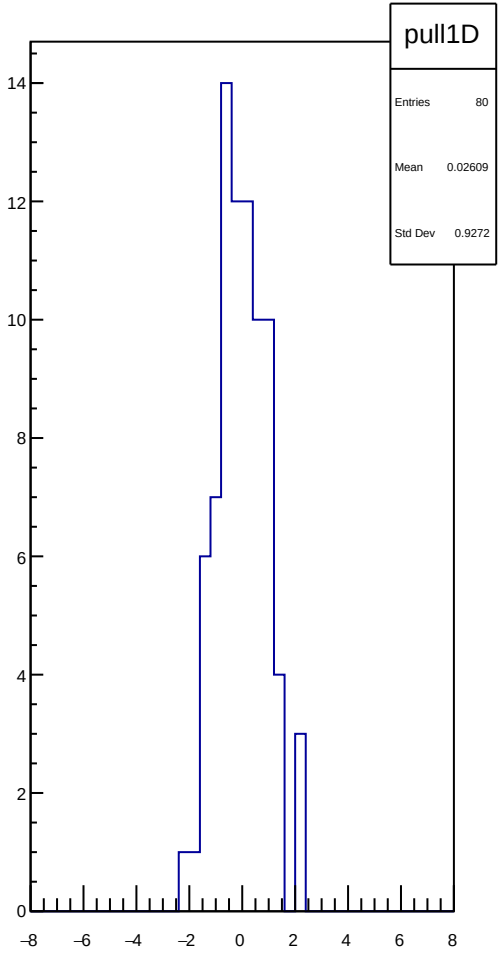

pull1D
Entries 80
Mean 0.0009059
Std Dev 0.3174
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

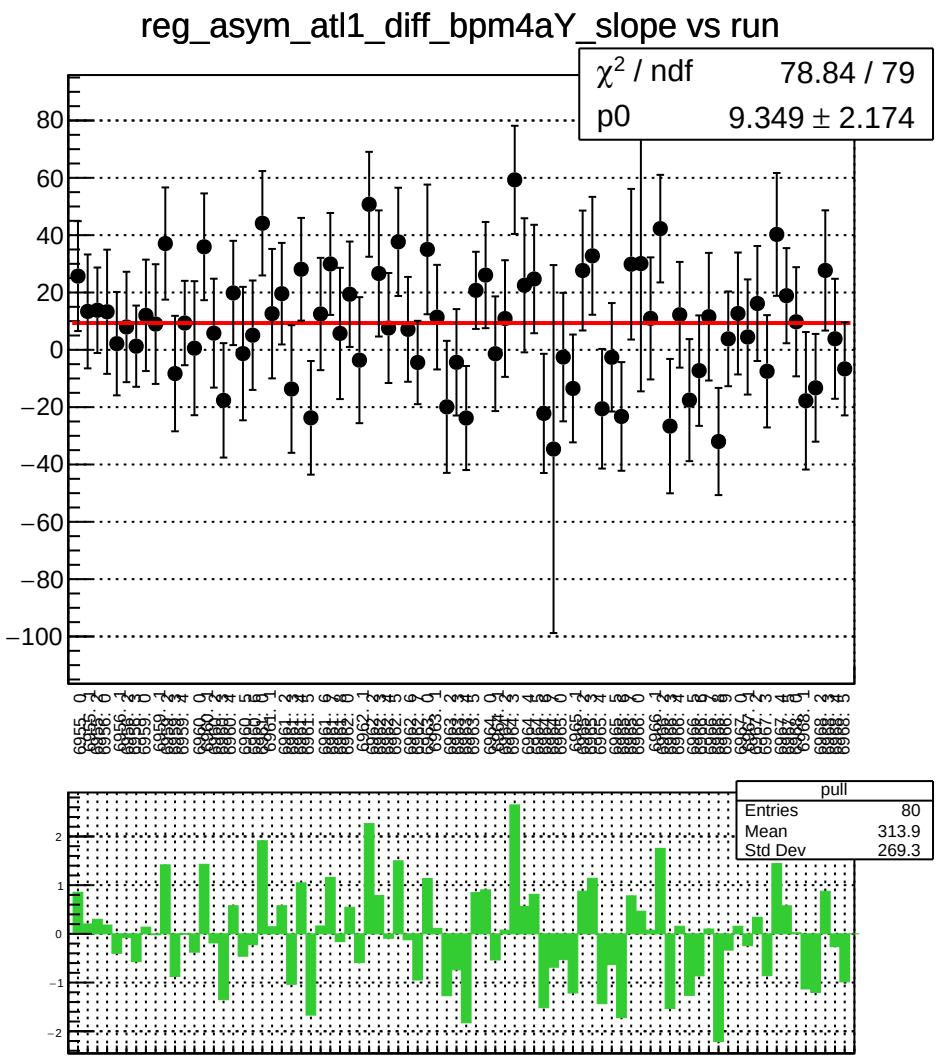

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.016 / 79
p0 34.03 ± 0.6574
pull
Entries 80
Mean 3670
Std Dev 3633
pull1D
Entries 80
Mean −0.000711
Std Dev 0.1941

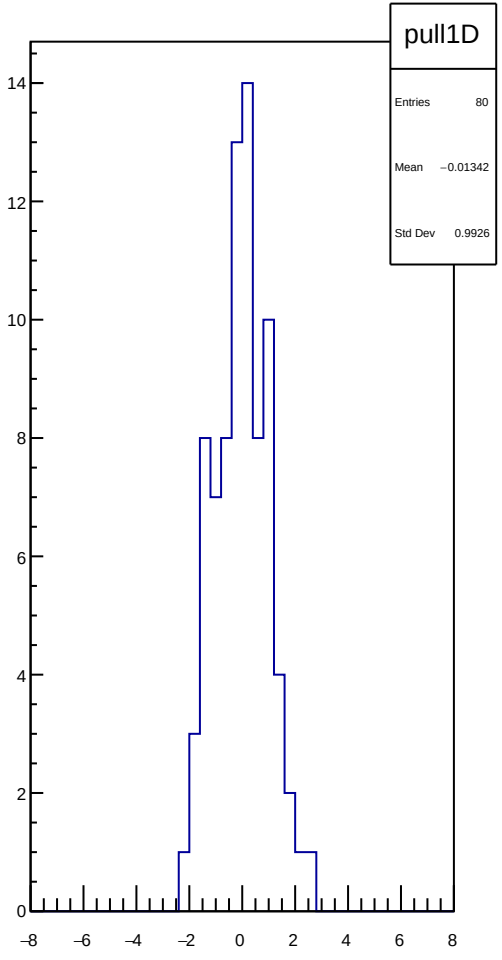

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 5.066 / 79
p0 0.1997 ± 0.02556
pull
Entries 80
Mean −215
Std Dev 229.8

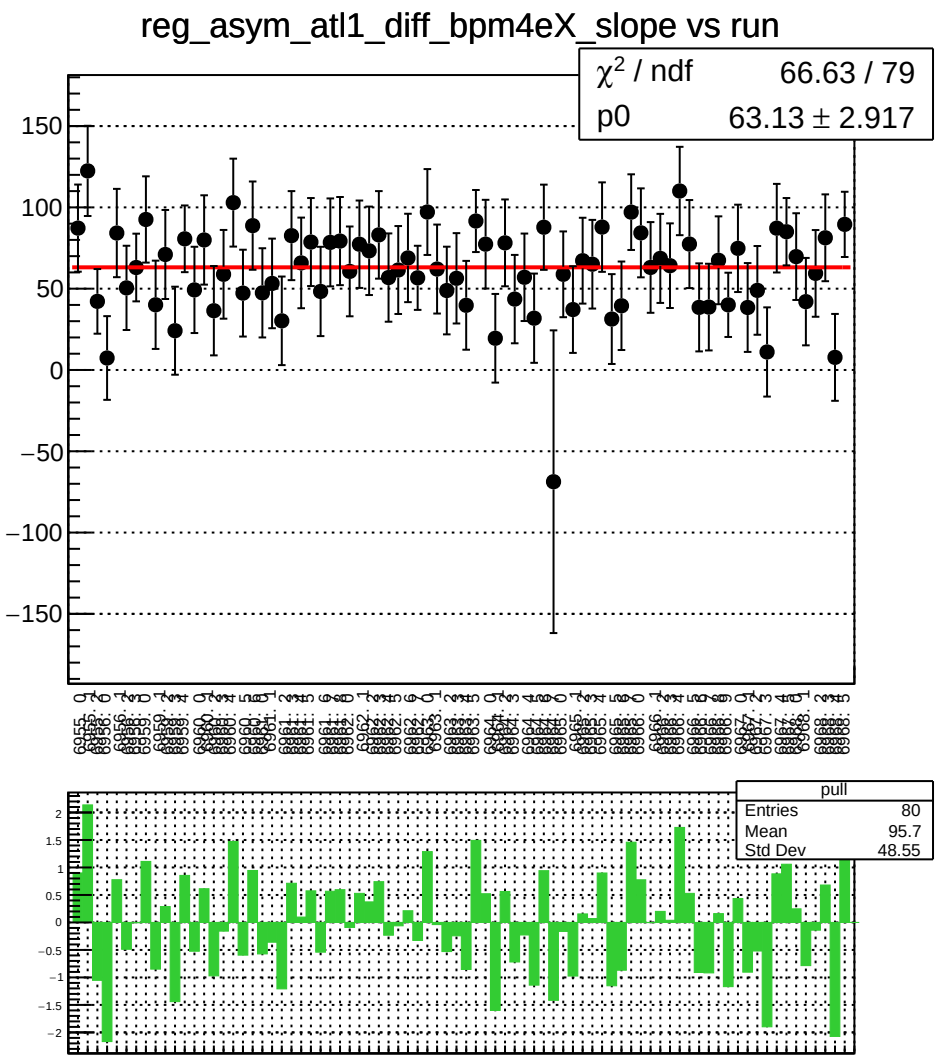

pull1D
Entries 80
Mean −0.003338
Std Dev 0.2516

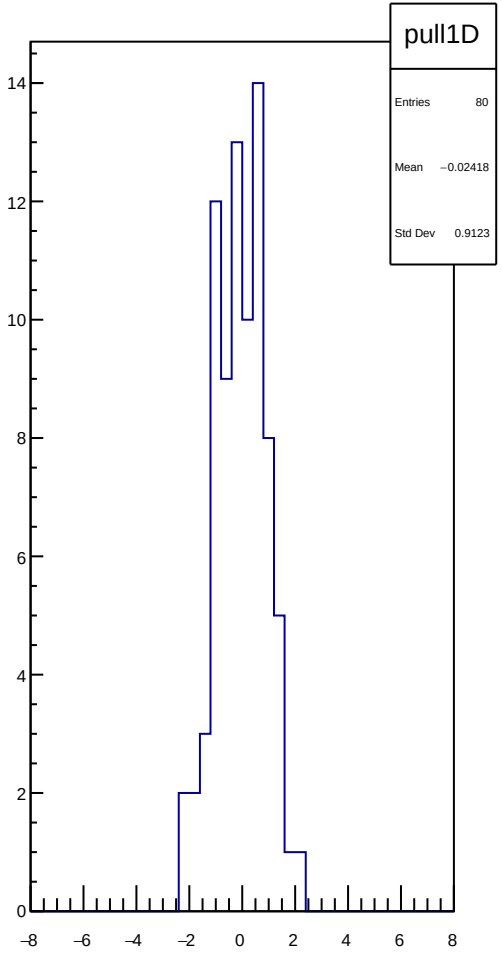

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 68.83 / 79
p0 −26.89 ± 3.15
pull
Entries 80
Mean 87.98
Std Dev 38.58

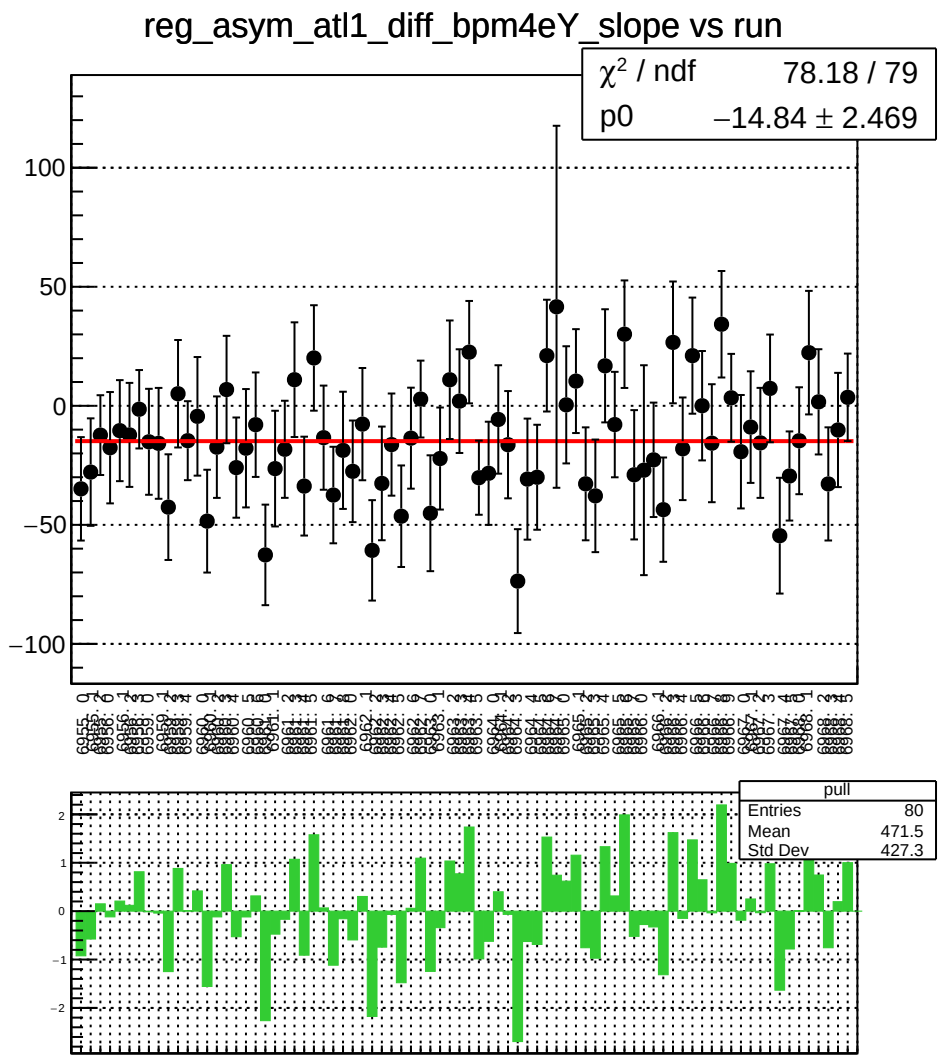

pull1D
Entries 80
Mean 0.02609
Std Dev 0.9272

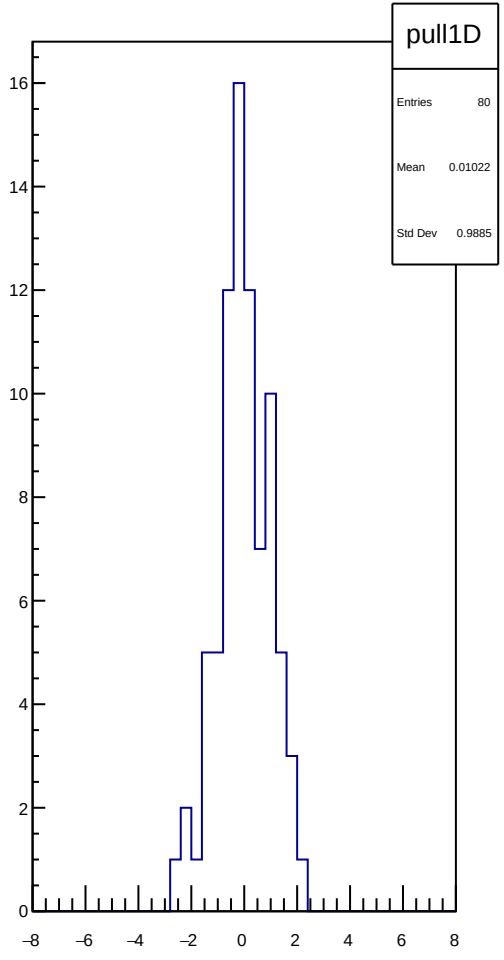

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 78.84 / 79
p0 9.349 ± 2.174
pull
Entries 80
Mean 313.9
Std Dev 269.3

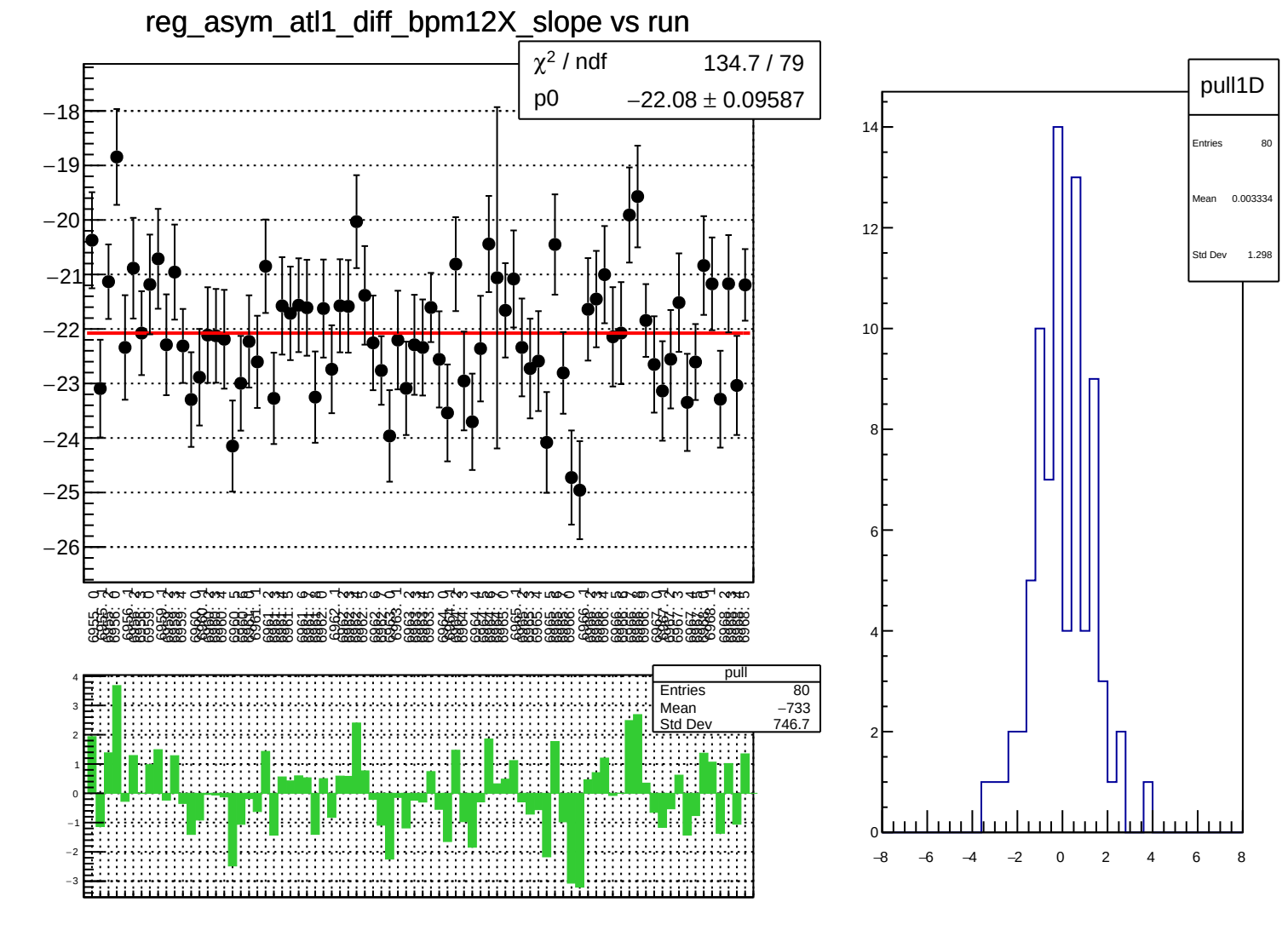

pull1D
Entries 80
Mean −0.01342
Std Dev 0.9926

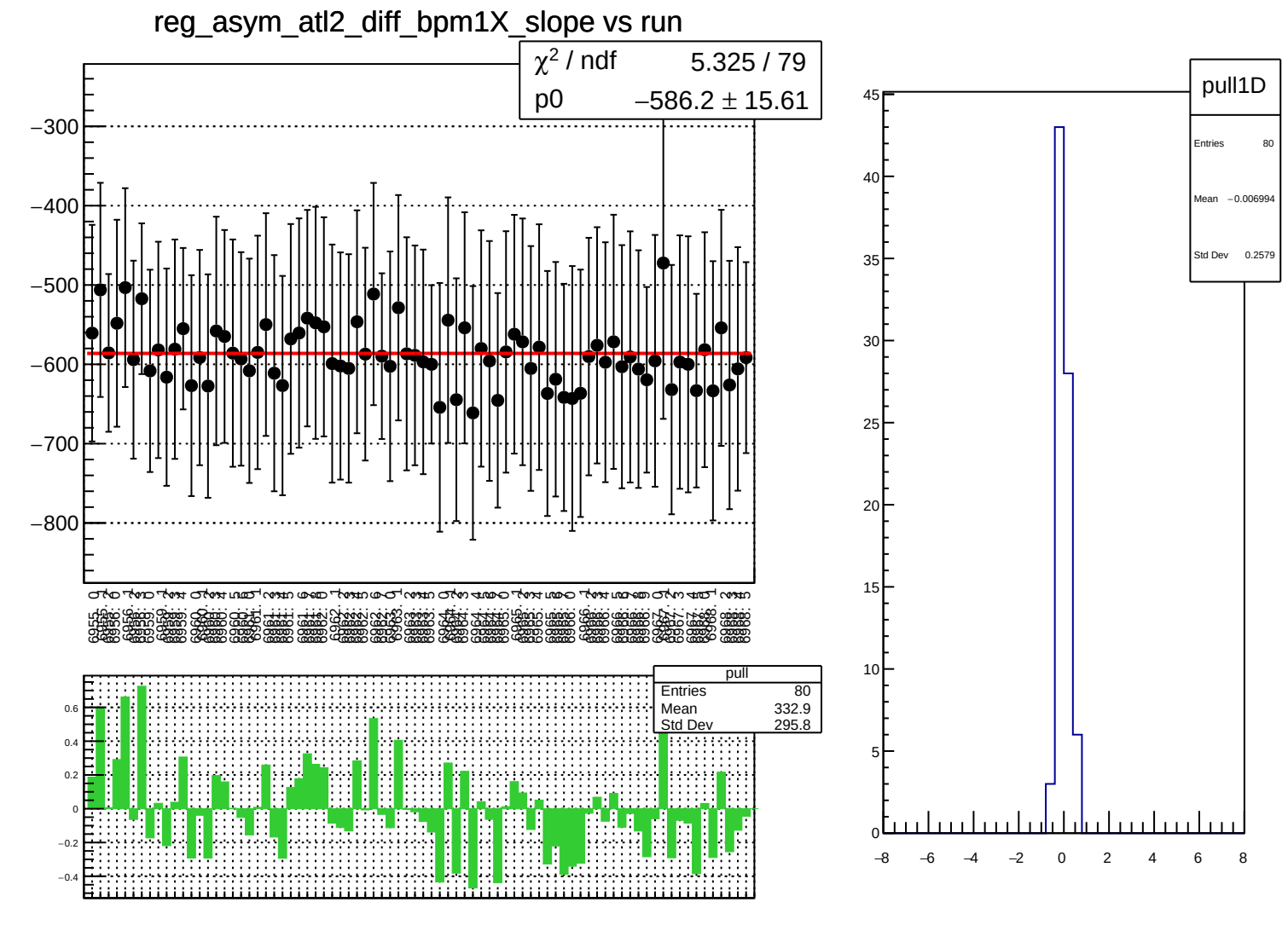

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 66.63 / 79
p0 63.13 ± 2.917
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean 95.7
Std Dev 48.55
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

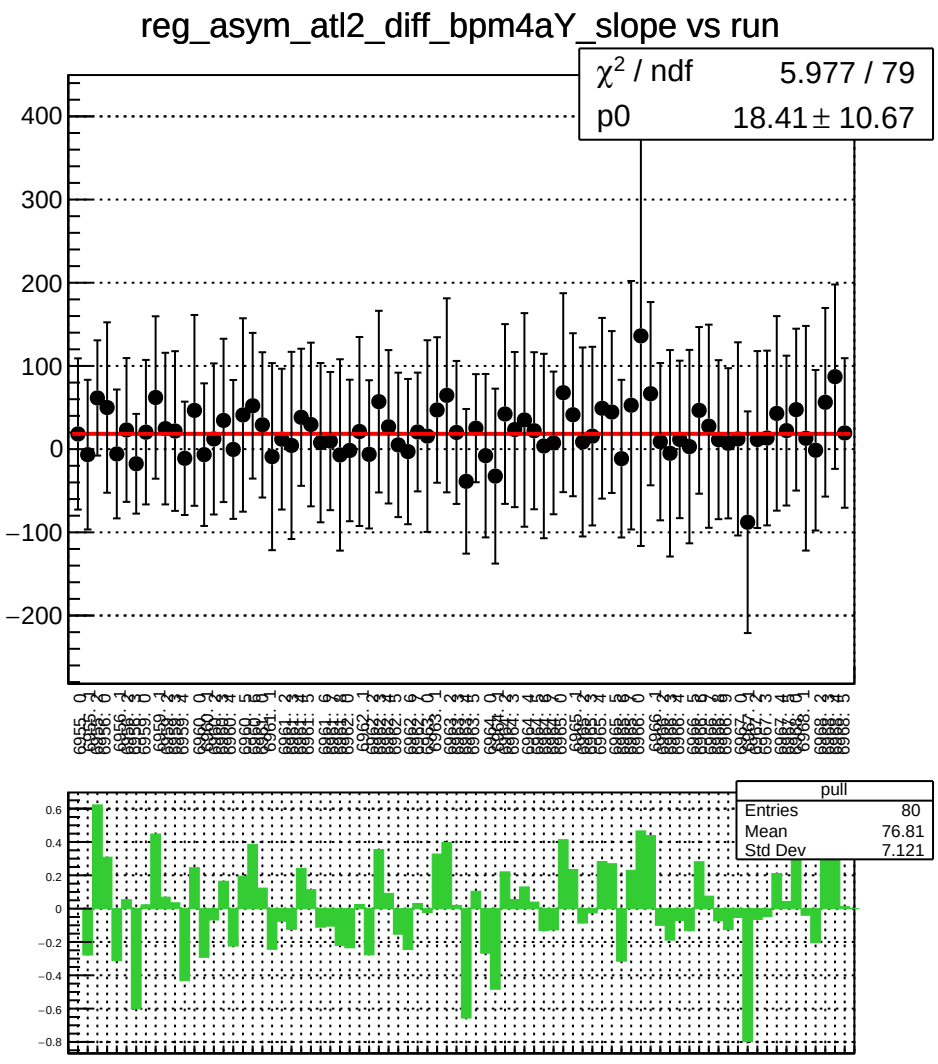

pull1D
Entries 80
Mean −0.02418
Std Dev 0.9123
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

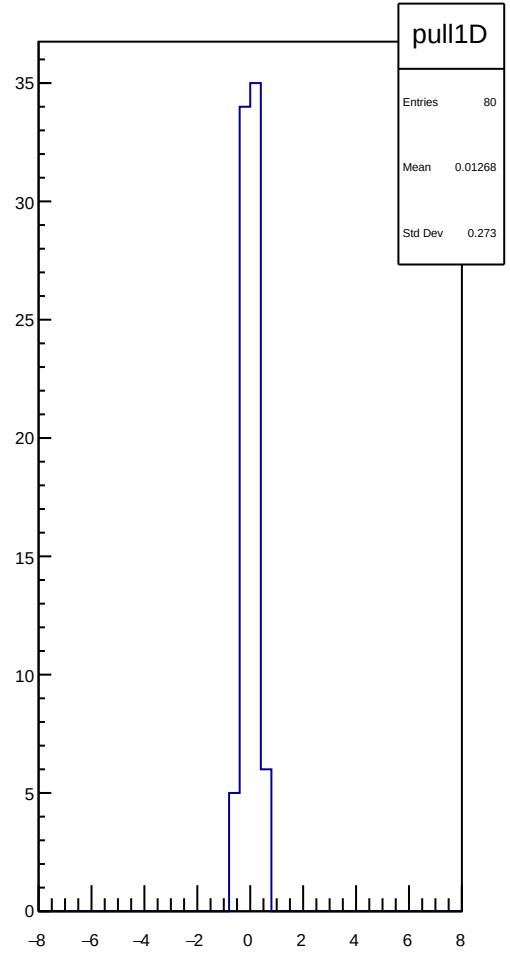

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.18 / 79
p0 −14.84 ± 2.469
100
50
0
−50
−100
pull
Entries 80
Mean 471.5
Std Dev 427.3
2
1
0
−1
−2

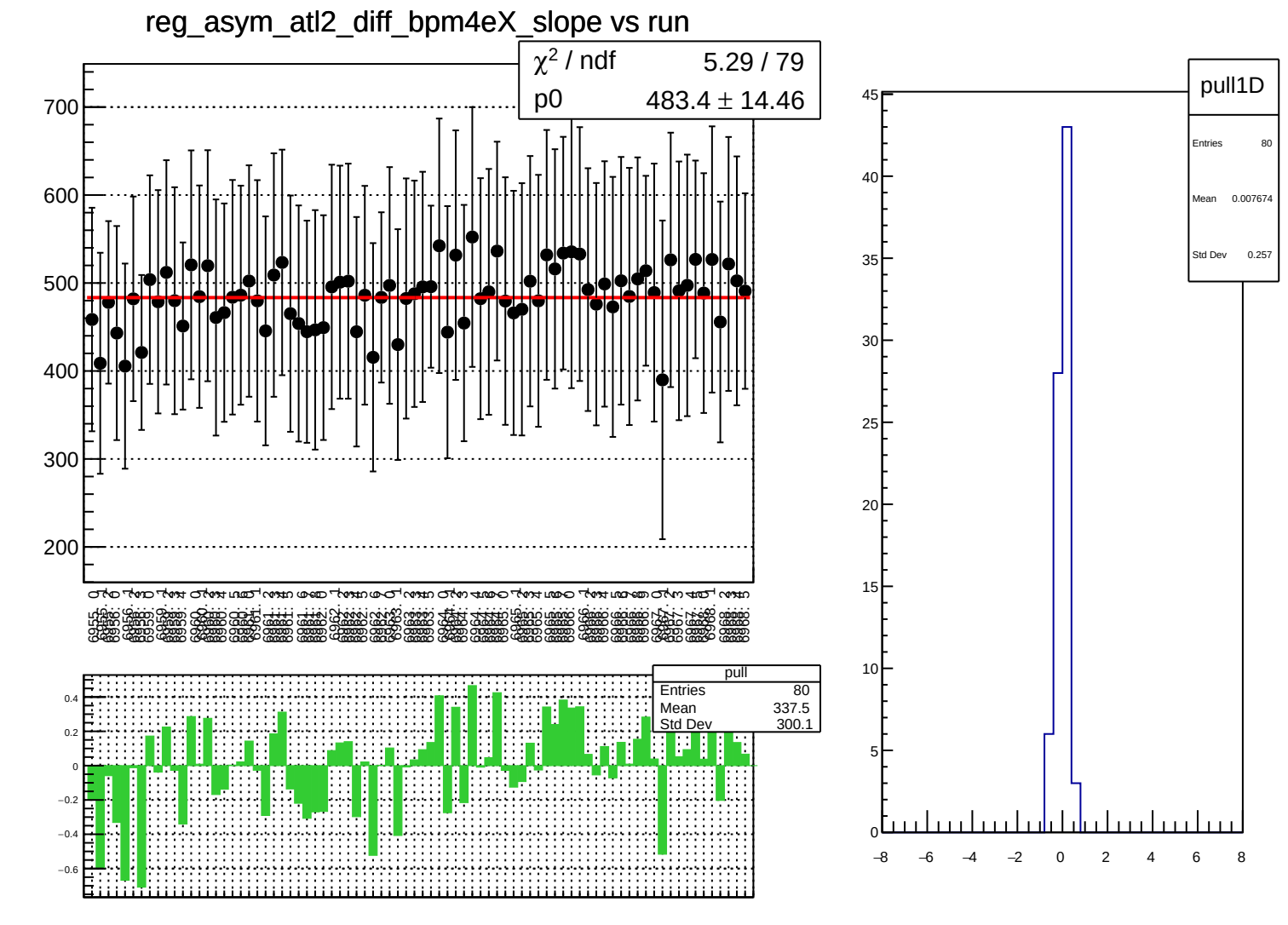

pull1D
Entries 80
Mean 0.01022
Std Dev 0.9885
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

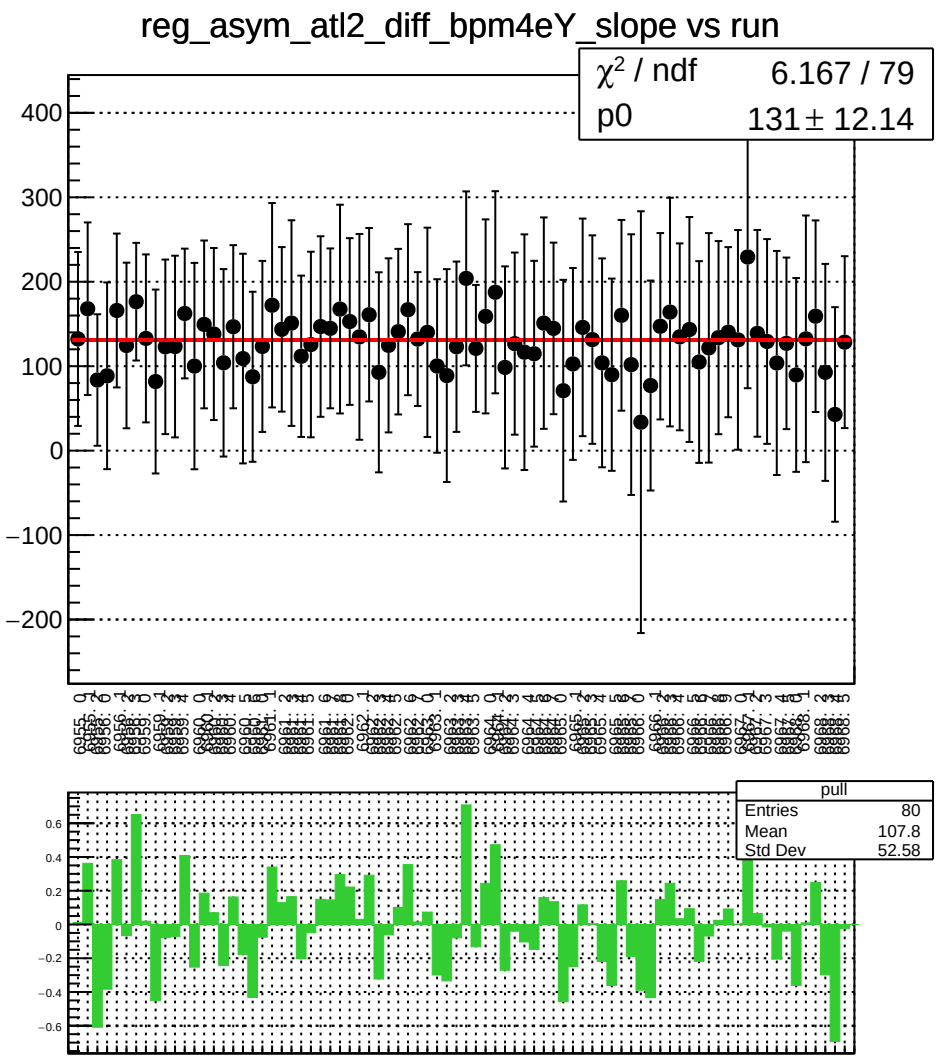

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 134.7 / 79
p0 −22.08 ± 0.09587
pull
Entries 80
Mean −733
Std Dev 746.7
pull1D
Entries 80
Mean 0.003334
Std Dev 1.298

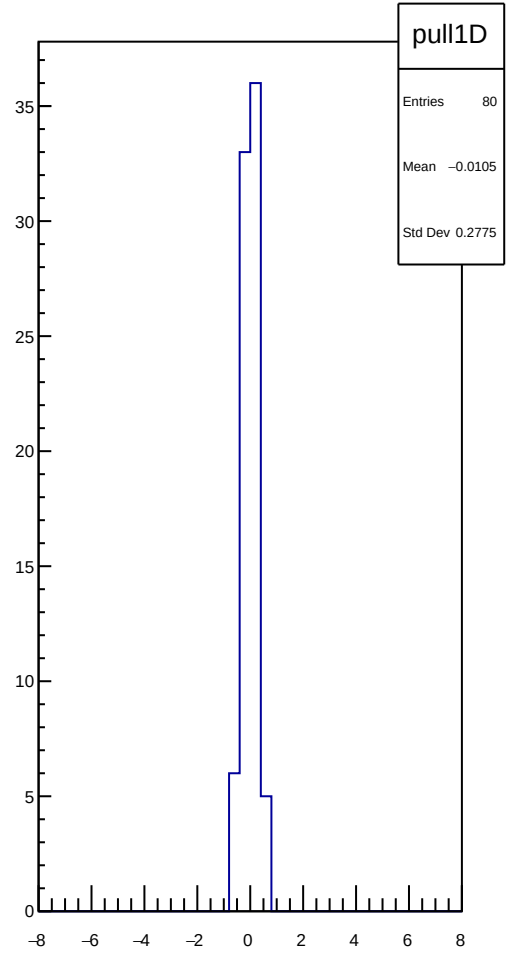

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 5.325 / 79
p0 −586.2 ± 15.61
pull
Entries 80
Mean 332.9
Std Dev 295.8
pull1D
Entries 80
Mean −0.006994
Std Dev 0.2579

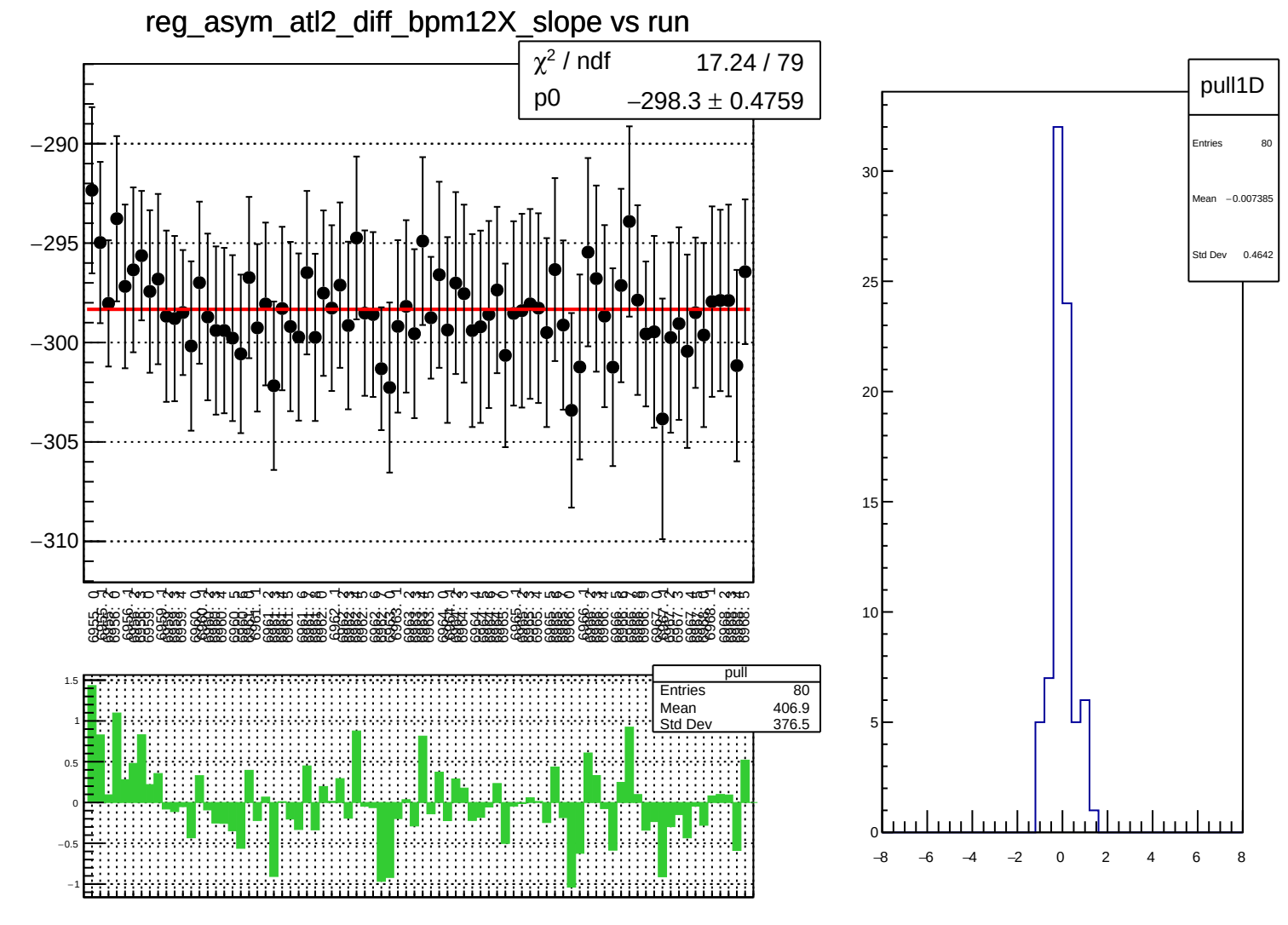

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 5.977 / 79
p0 18.41 ± 10.67
pull
Entries 80
Mean 76.81
Std Dev 7.121

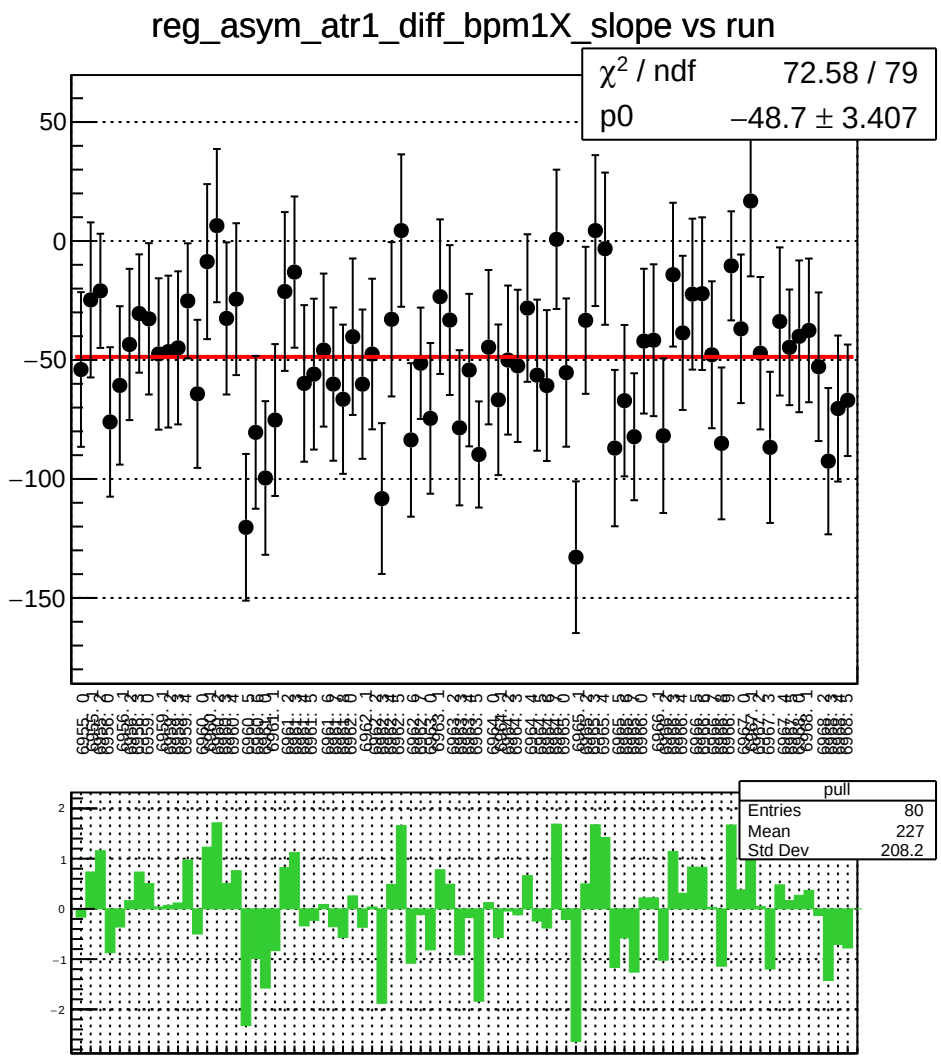

pull1D
Entries 80
Mean 0.01268
Std Dev 0.273

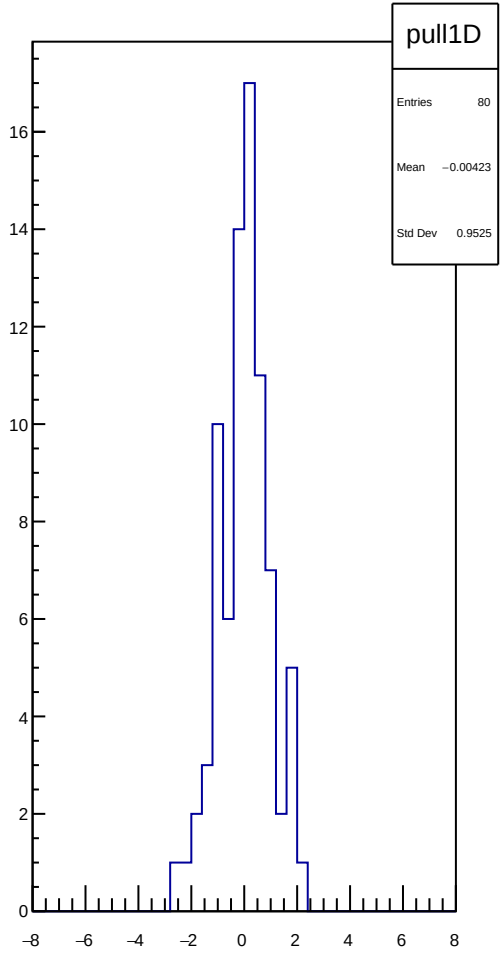

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 5.29 / 79
p0 483.4 ± 14.46
700
600
500
400
300
200
pull
Entries 80
Mean 337.5
Std Dev 300.1
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean 0.007674
Std Dev 0.257
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

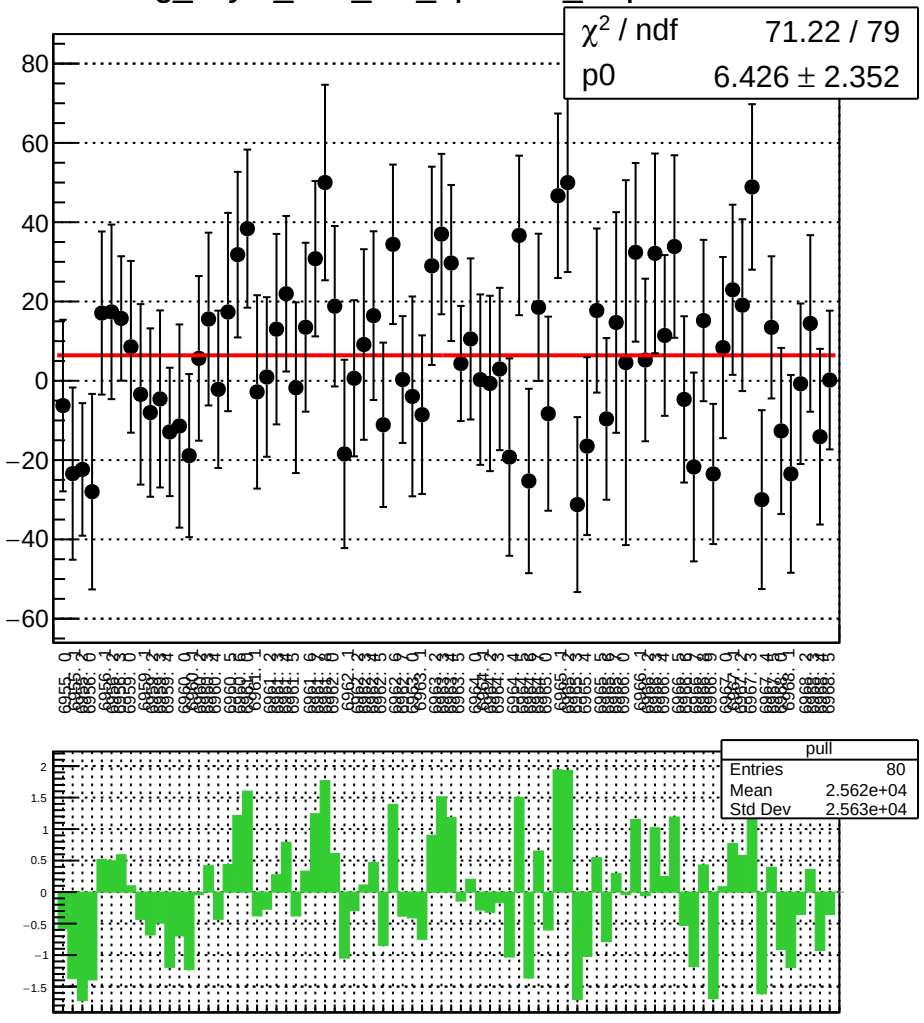

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.167 / 79
p0 131 ± 12.14
pull
Entries 80
Mean 107.8
Std Dev 52.58

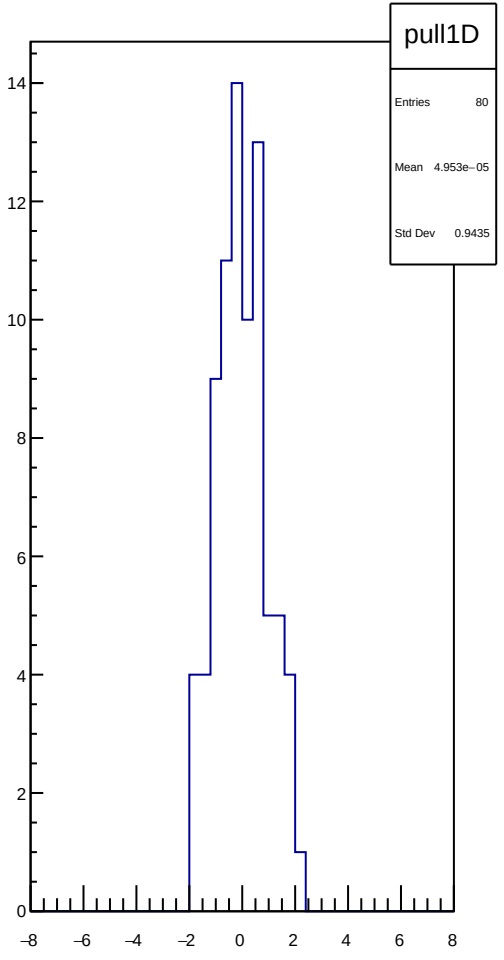

pull1D
Entries 80
Mean −0.0105
Std Dev 0.2775

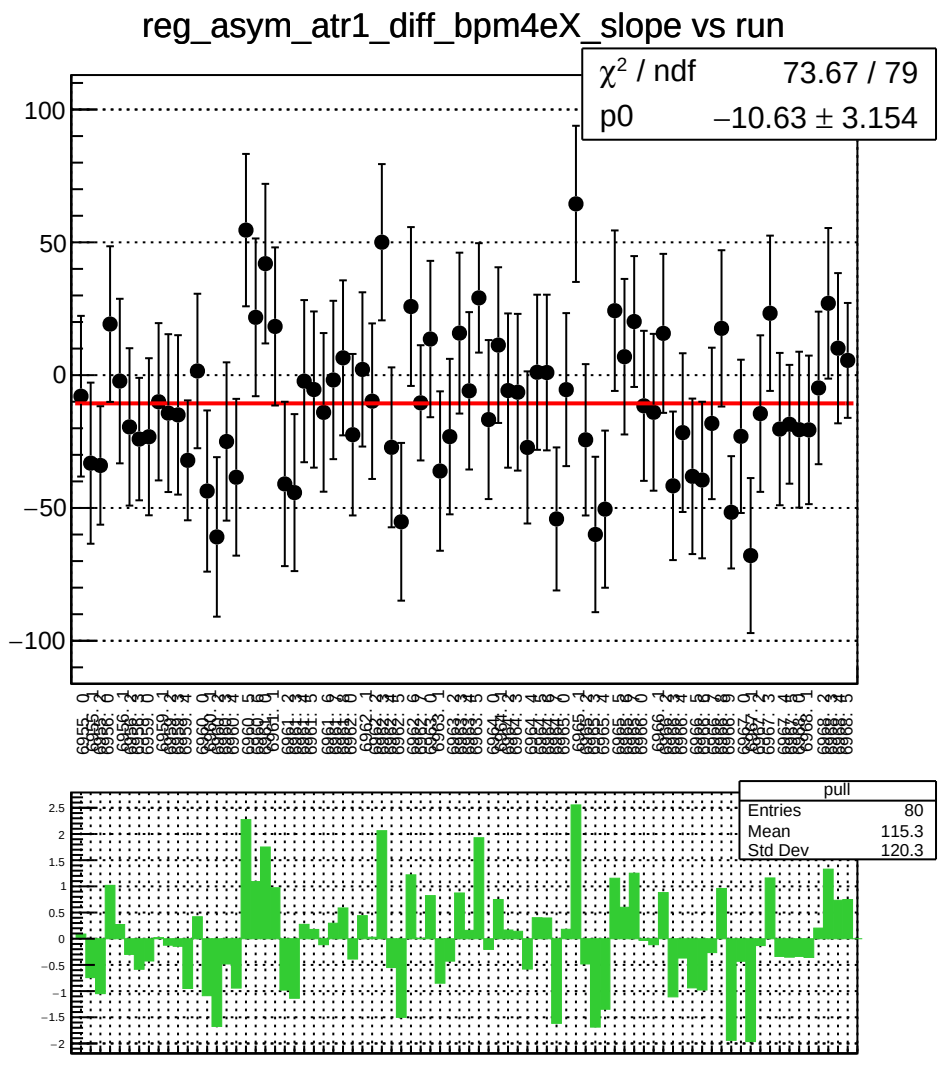

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 17.24 / 79
p0 −298.3 ± 0.4759
−290
−295
−300
−305
−310
pull
Entries 80
Mean 406.9
Std Dev 376.5
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.007385
Std Dev 0.4642
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

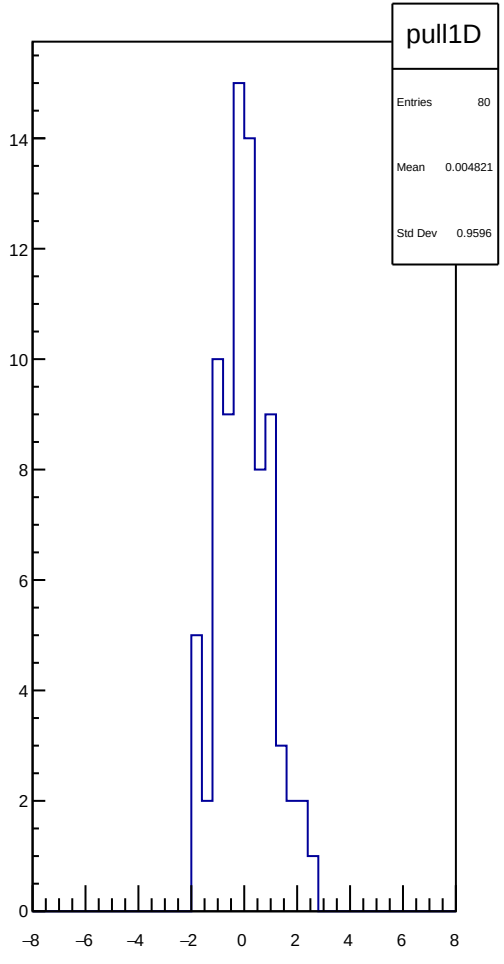

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 72.58 / 79
p0 −48.7 ± 3.407
50
0
−50
−100
−150
pull
Entries 80
Mean 227
Std Dev 208.2
2
1
0
−1
−2

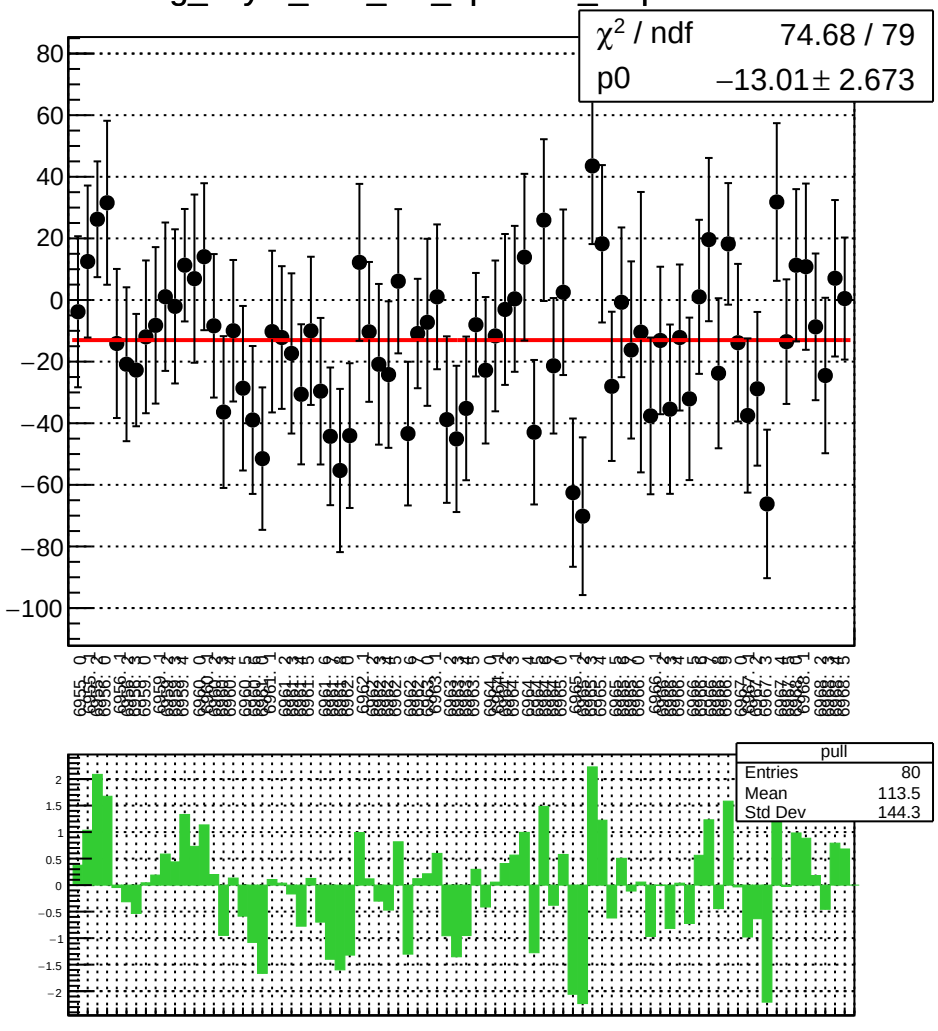

pull1D
Entries 80
Mean −0.00423
Std Dev 0.9525
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

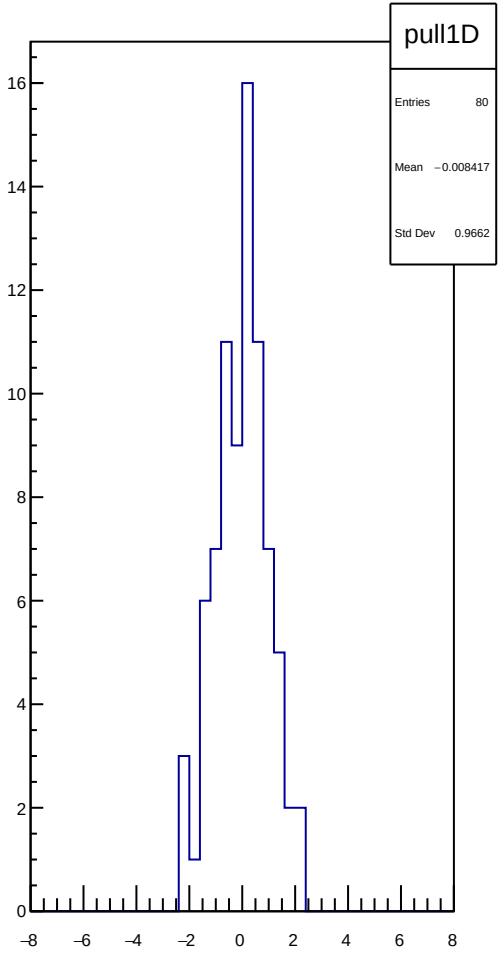

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 71.22 / 79
p0 6.426 ± 2.352
pull
Entries 80
Mean 2.562e+04
Std Dev 2.563e+04

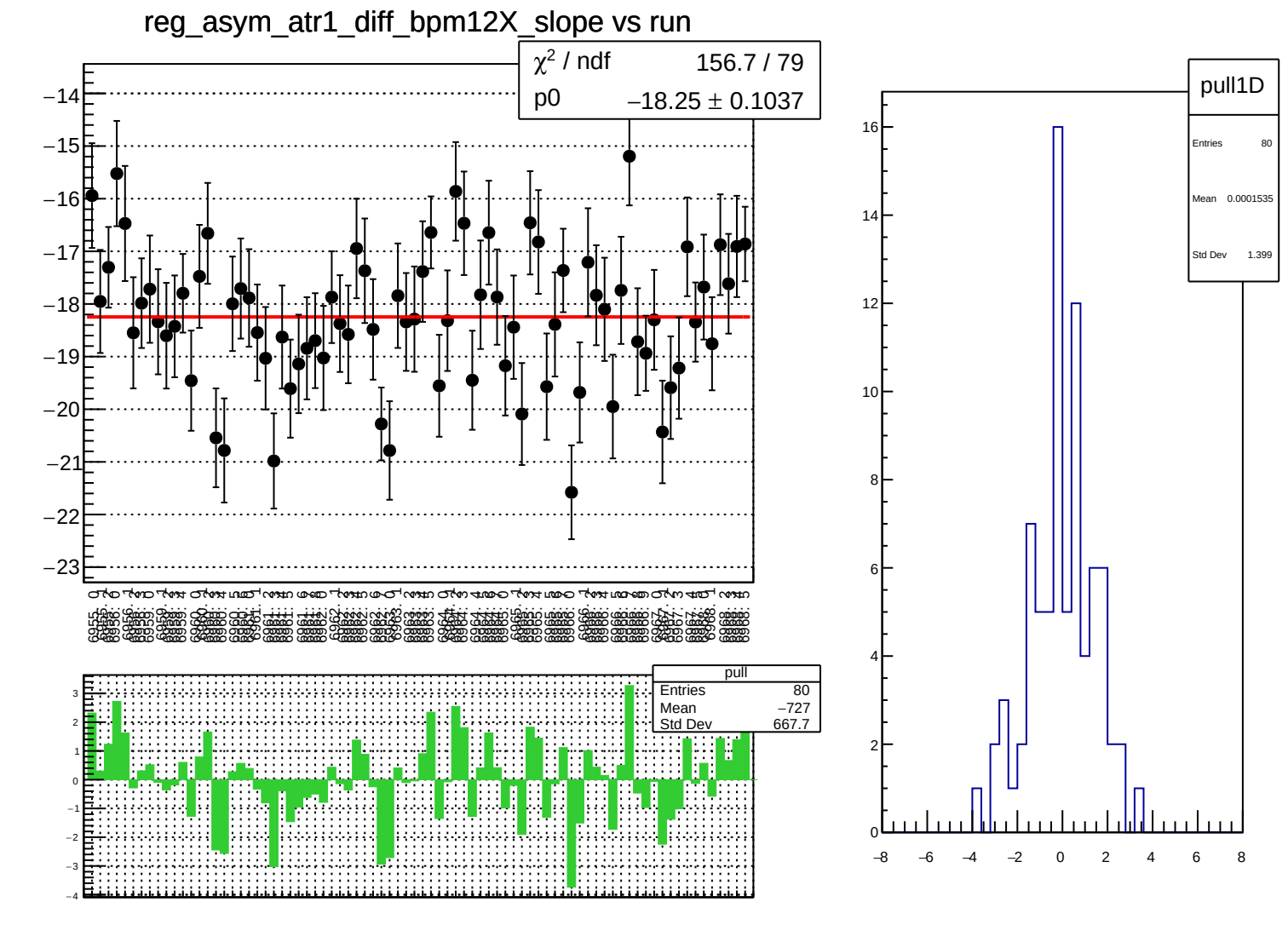

pull1D
Entries 80
Mean 4.953e−05
Std Dev 0.9435

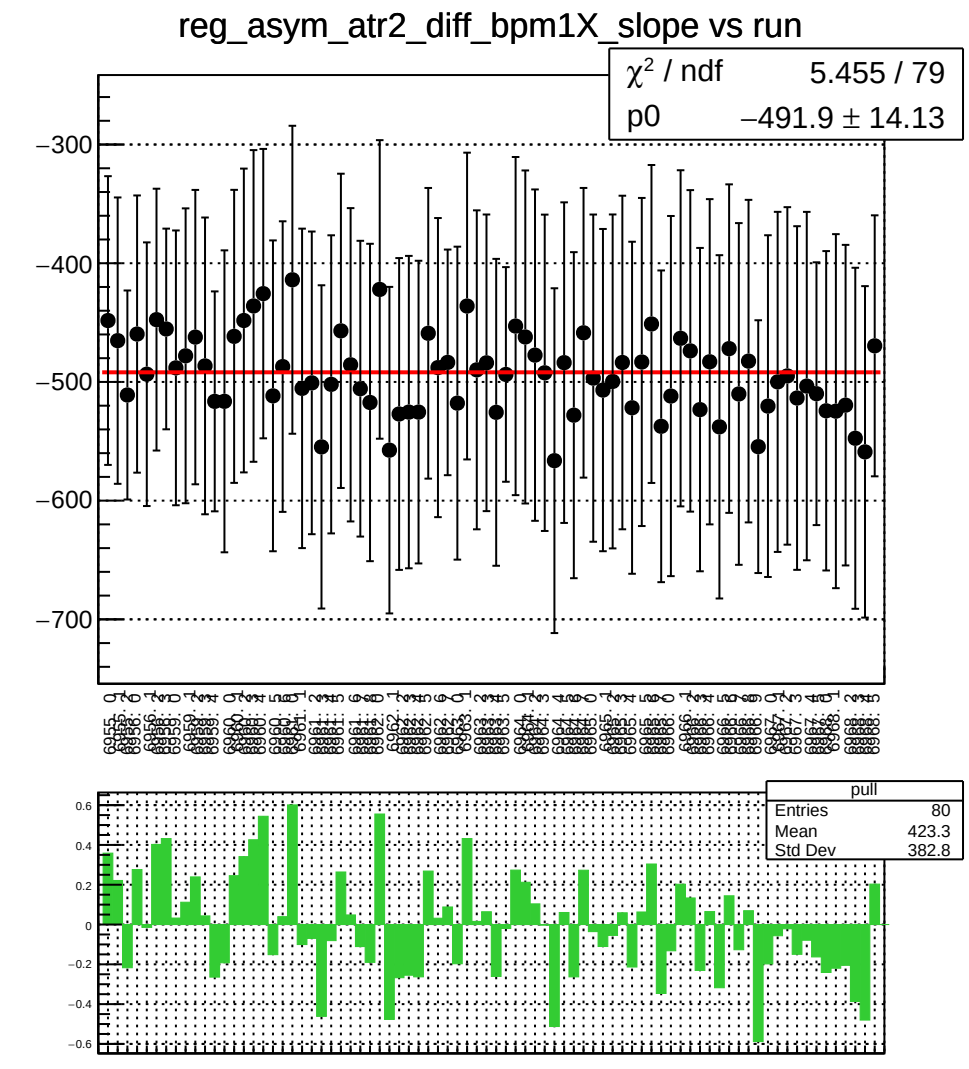

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 73.67 / 79
p0 −10.63 ± 3.154
100
50
0
−50
−100
pull
Entries 80
Mean 115.3
Std Dev 120.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

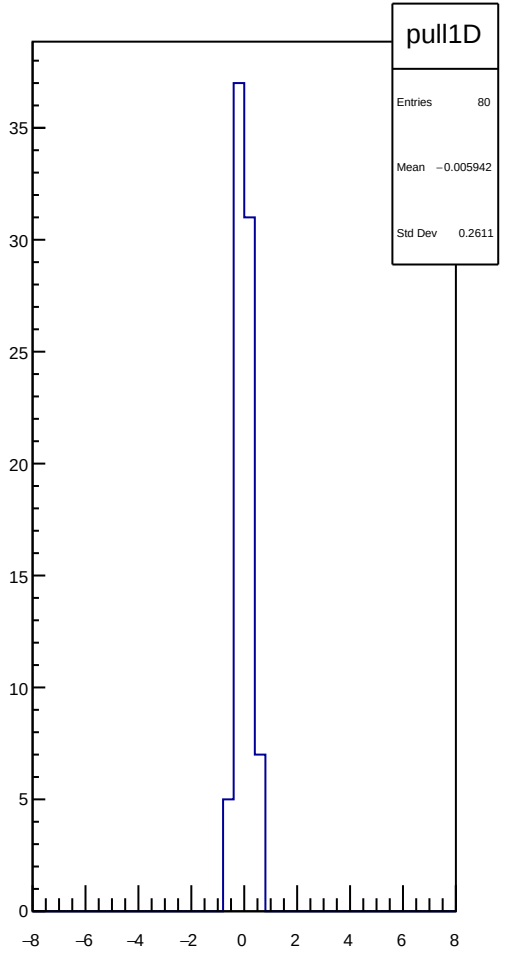

pull1D
Entries 80
Mean 0.004821
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

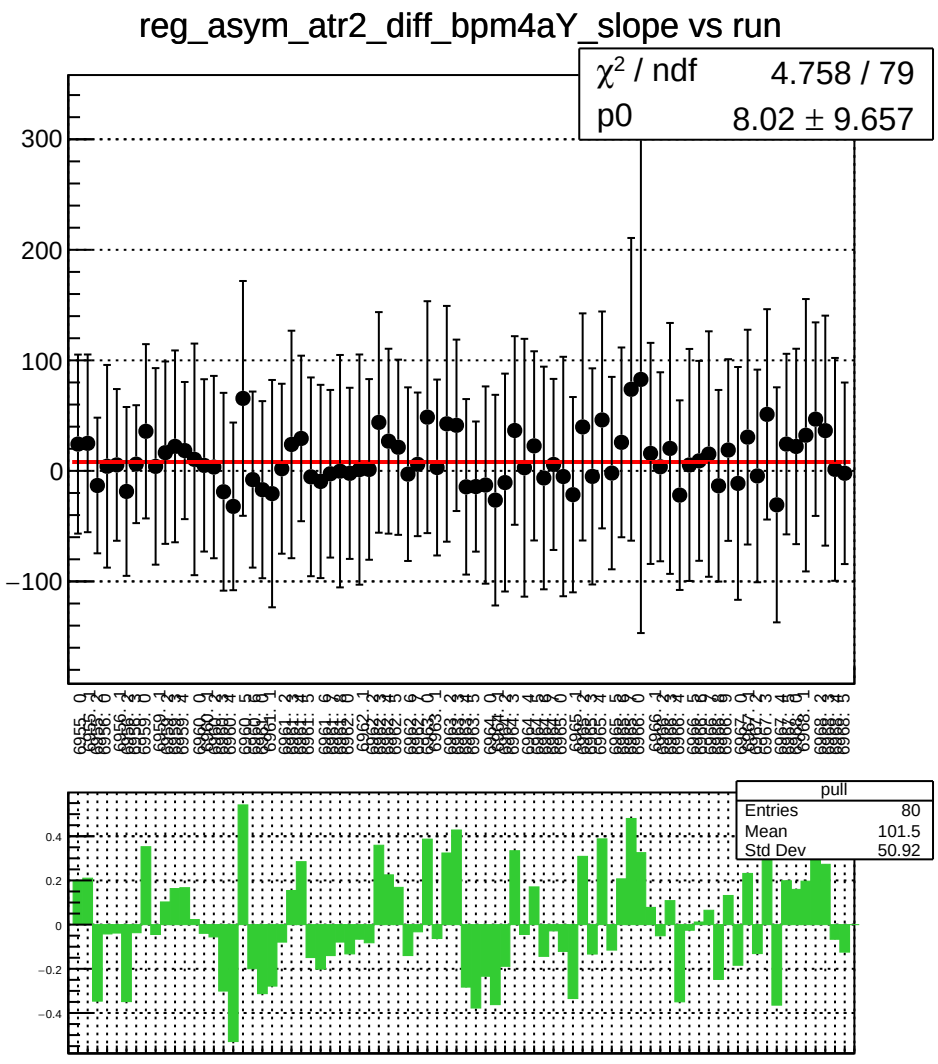

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 74.68 / 79
p0 −13.01± 2.673
pull
Entries 80
Mean 113.5
Std Dev 144.3

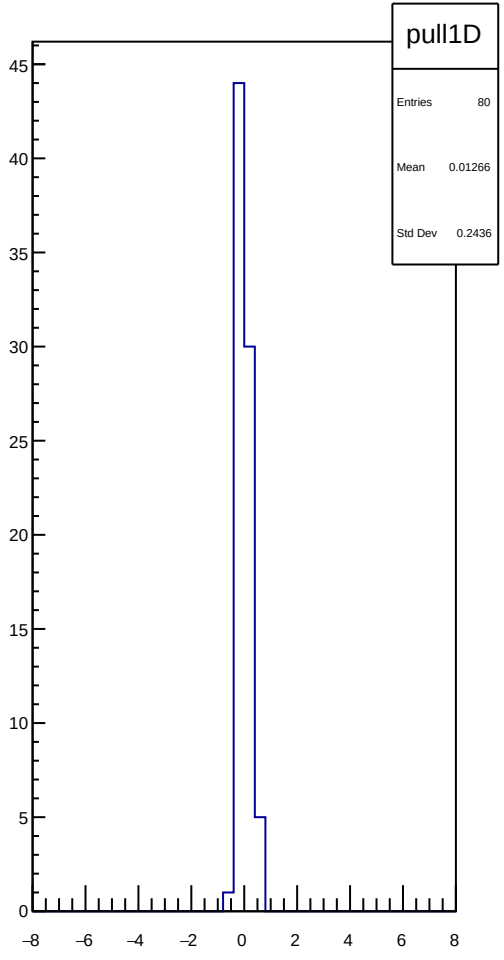

pull1D
Entries 80
Mean −0.008417
Std Dev 0.9662

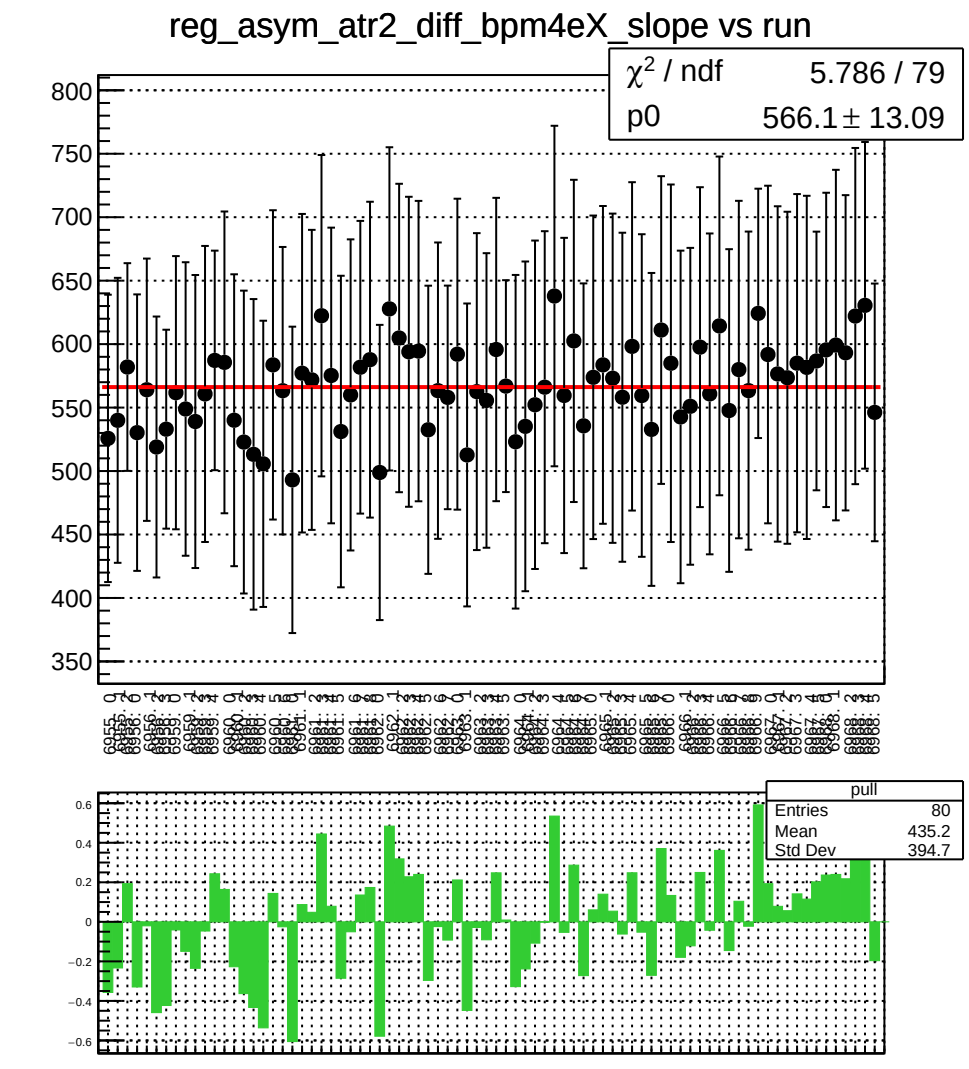

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 156.7 / 79
p0 −18.25 ± 0.1037
pull
Entries 80
Mean −727
Std Dev 667.7
pull1D
Entries 80
Mean 0.0001535
Std Dev 1.399

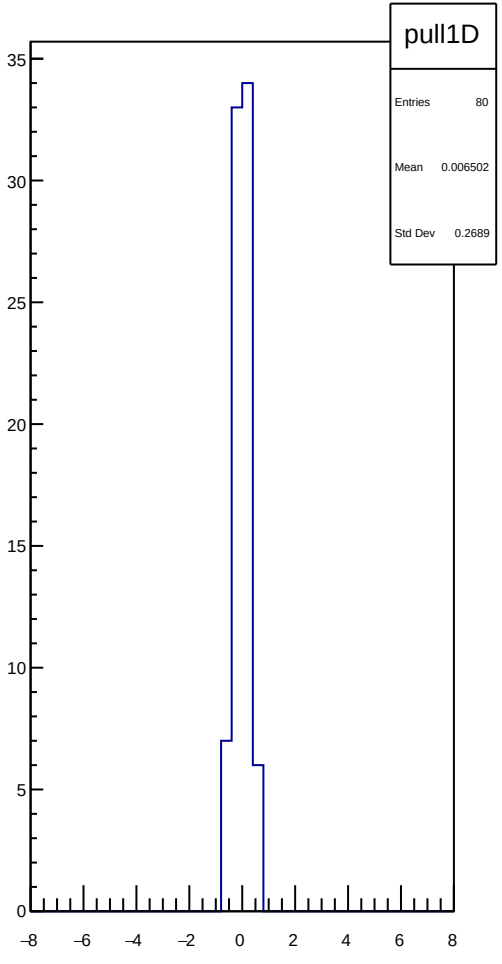

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 5.455 / 79
p0 −491.9 ± 14.13
−300
−400
−500
−600
−700
pull
Entries 80
Mean 423.3
Std Dev 382.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

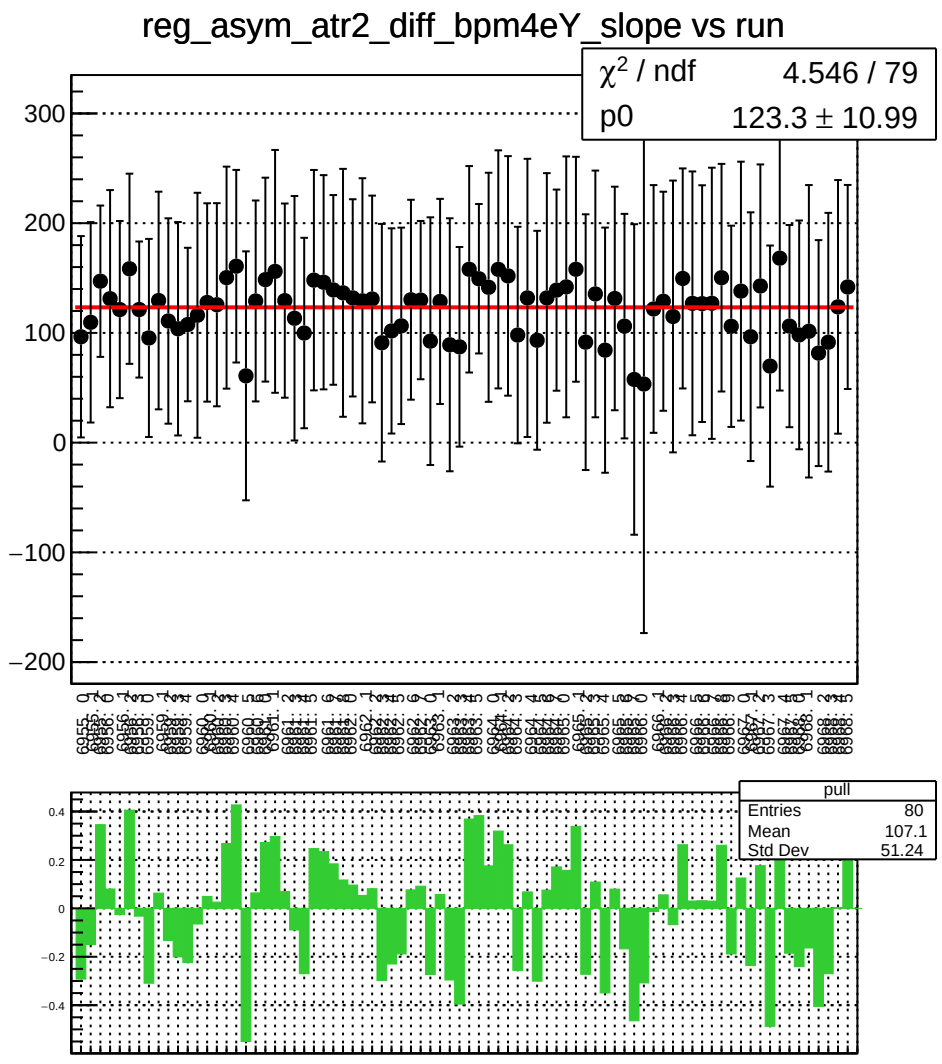

pull1D
Entries 80
Mean −0.005942
Std Dev 0.2611
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

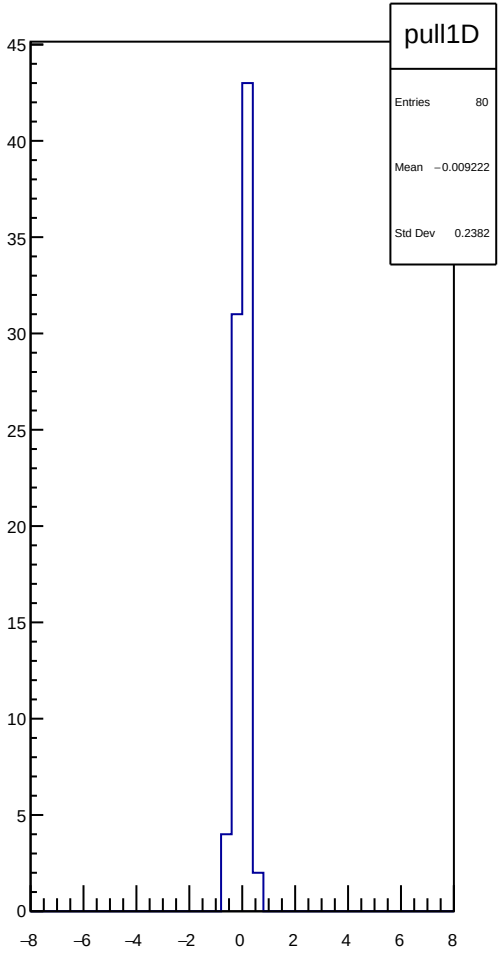

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.758 / 79
p0 8.02 ± 9.657
300
200
100
0
−100
pull
Entries 80
Mean 101.5
Std Dev 50.92
0.4
0.2
0
−0.2
−0.4

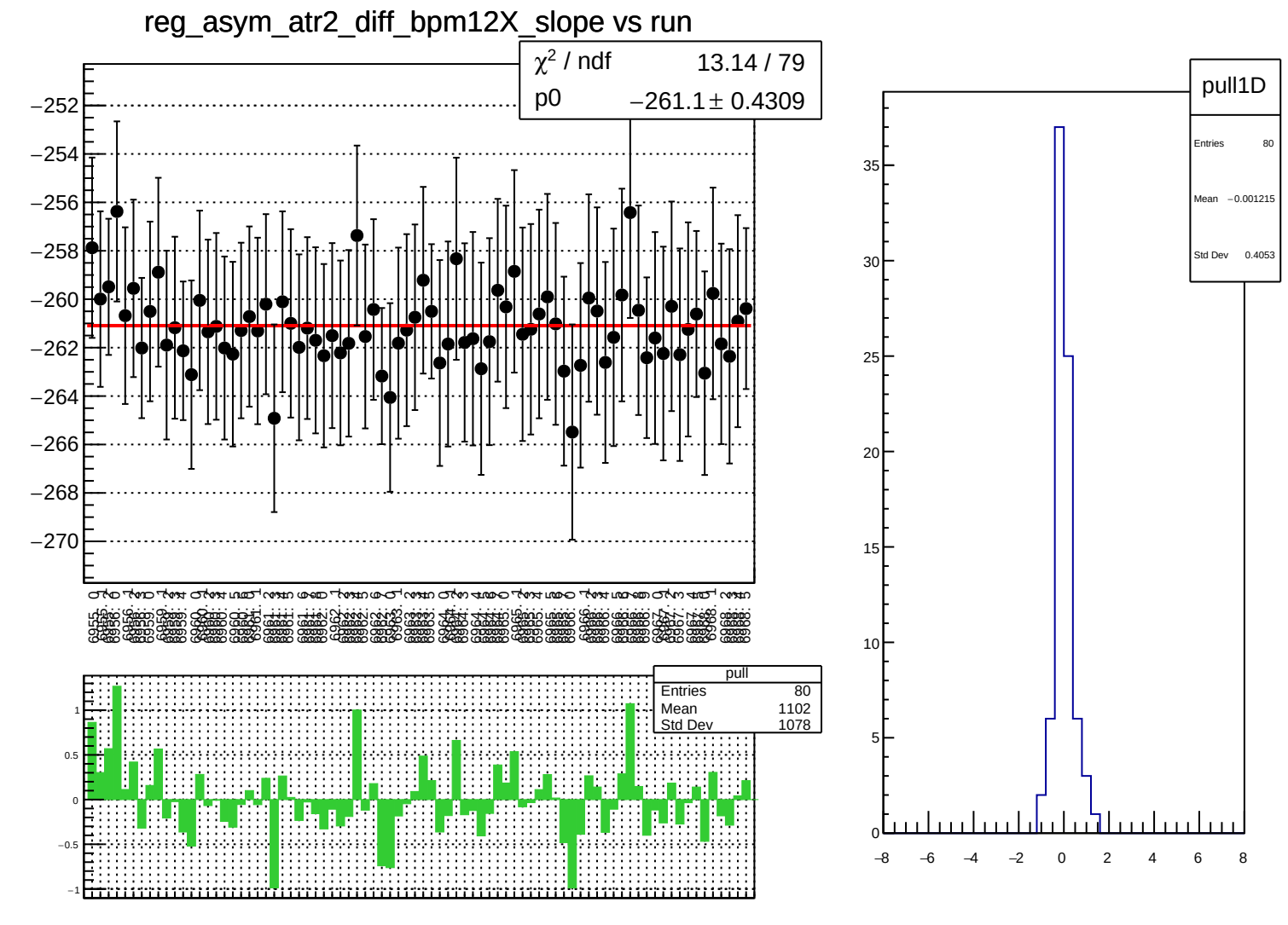

pull1D
Entries 80
Mean 0.01266
Std Dev 0.2436
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

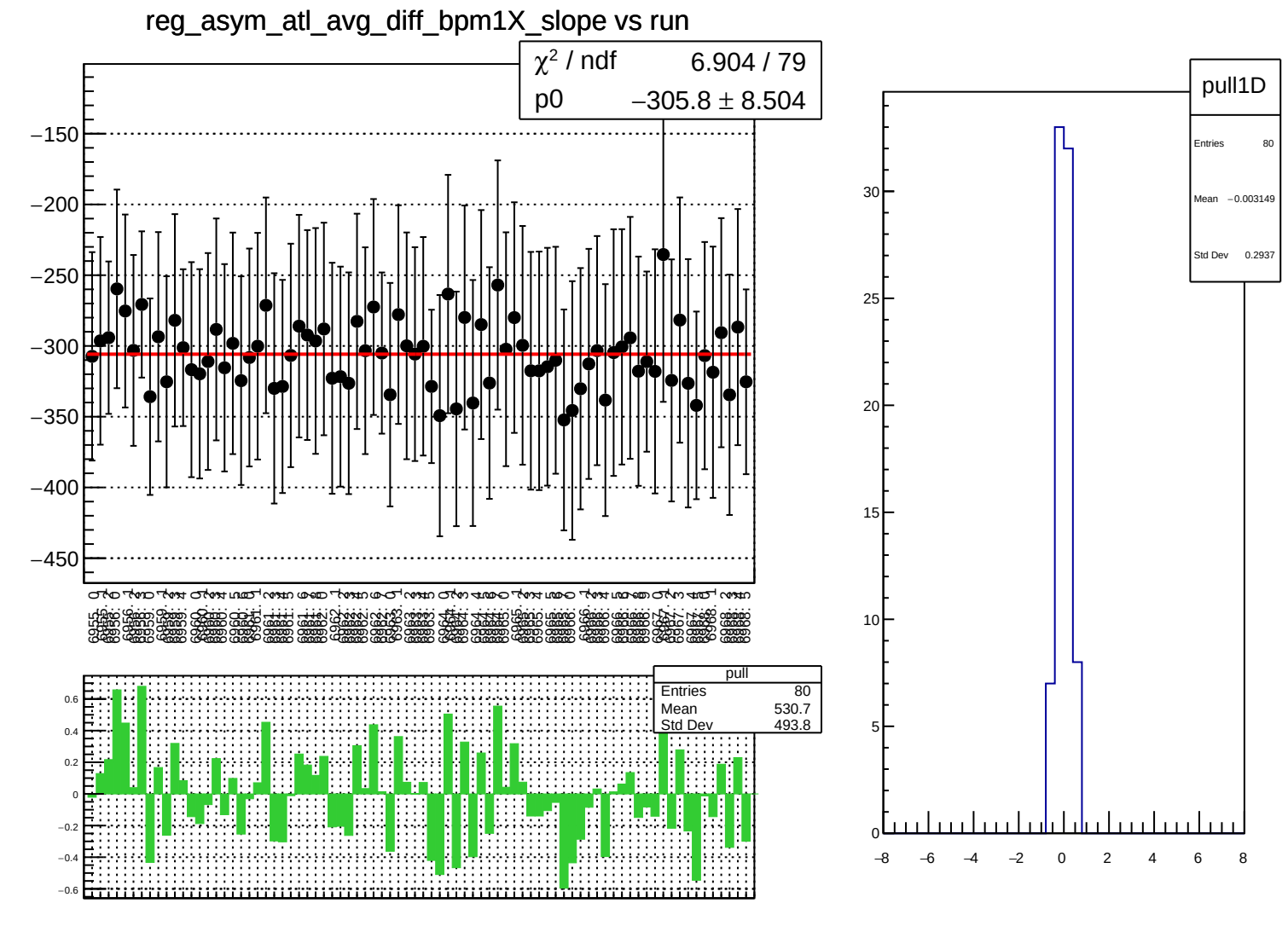

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 5.786 / 79
p0 566.1 ± 13.09
pull
Entries 80
Mean 435.2
Std Dev 394.7

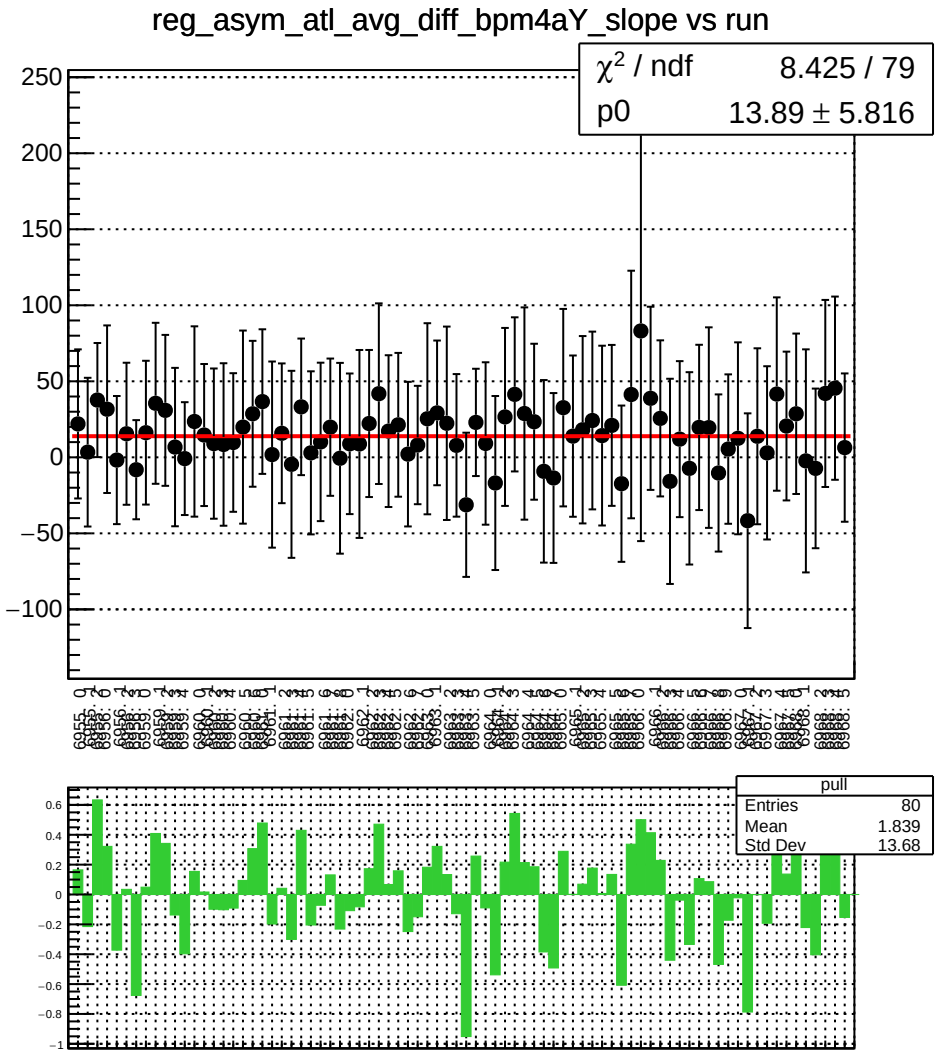

pull1D
Entries 80
Mean 0.006502
Std Dev 0.2689

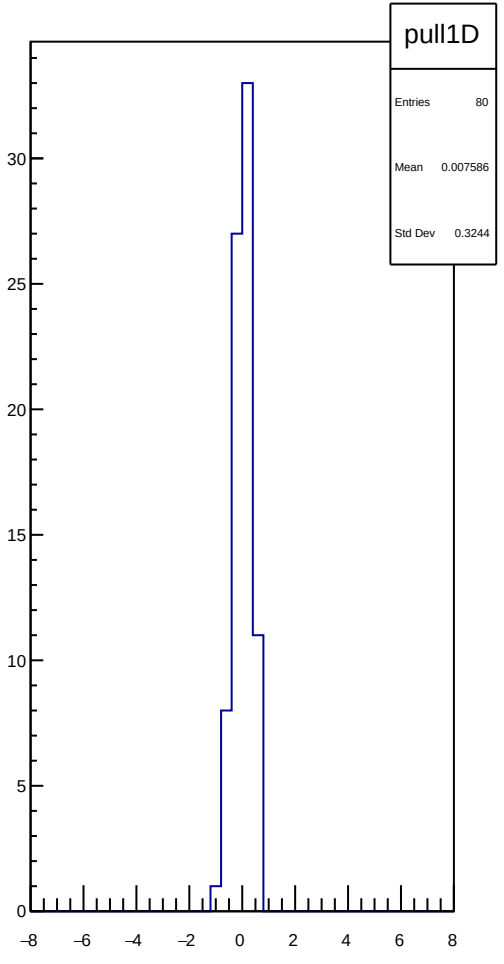

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.546 / 79
p0 123.3 ± 10.99
pull
Entries 80
Mean 107.1
Std Dev 51.24

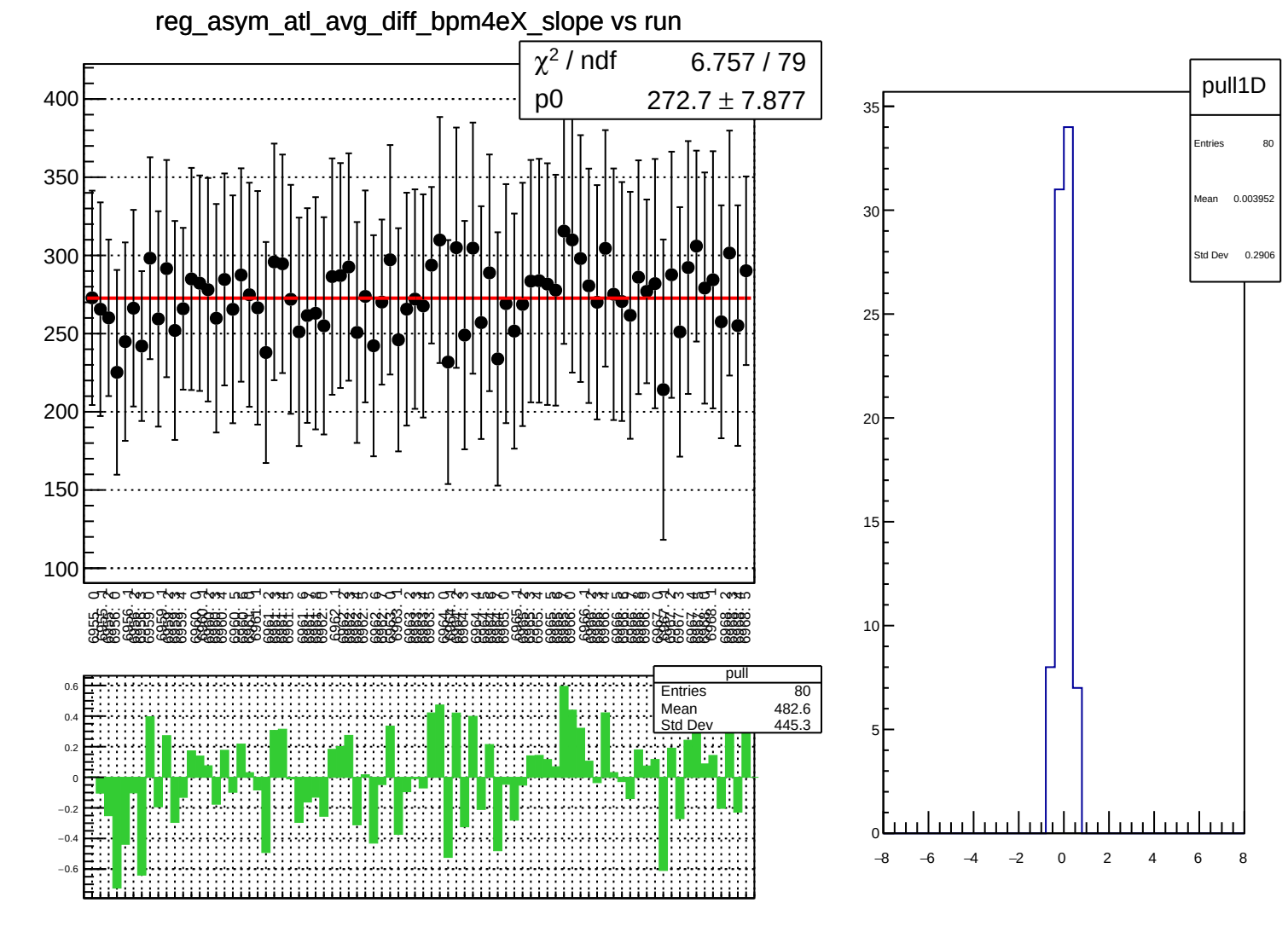

pull1D
Entries 80
Mean −0.009222
Std Dev 0.2382

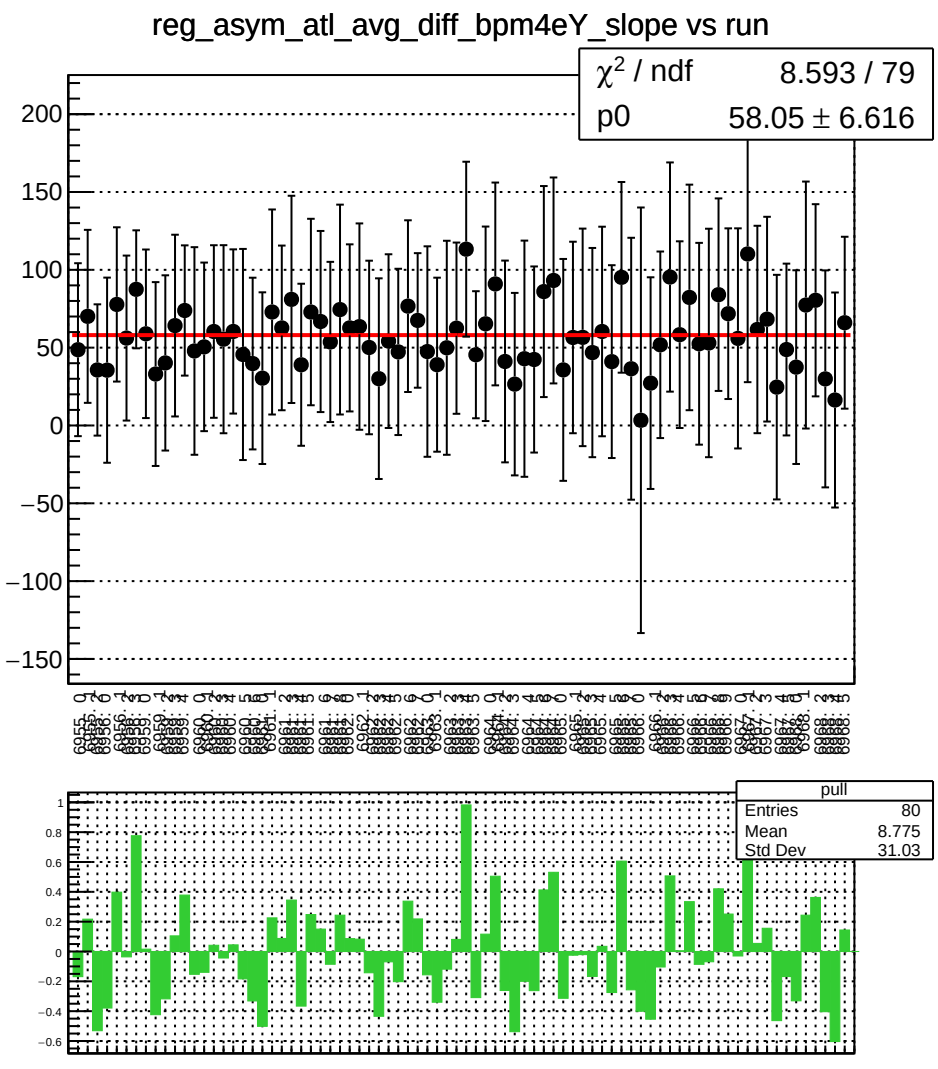

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.14 / 79
p0 −261.1 ± 0.4309
pull
Entries 80
Mean 1102
Std Dev 1078
pull1D
Entries 80
Mean −0.001215
Std Dev 0.4053

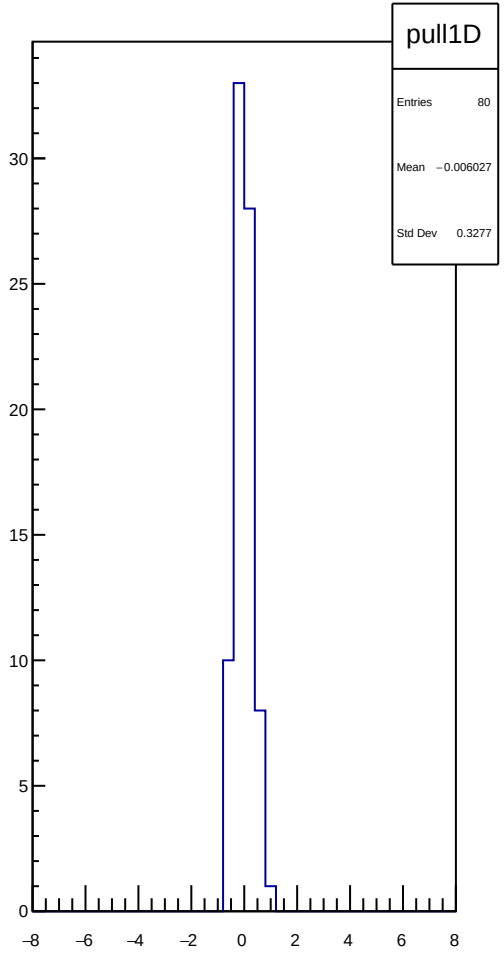

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 6.904 / 79
p0 −305.8 ± 8.504
pull
Entries 80
Mean 530.7
Std Dev 493.8
pull1D
Entries 80
Mean −0.003149
Std Dev 0.2937

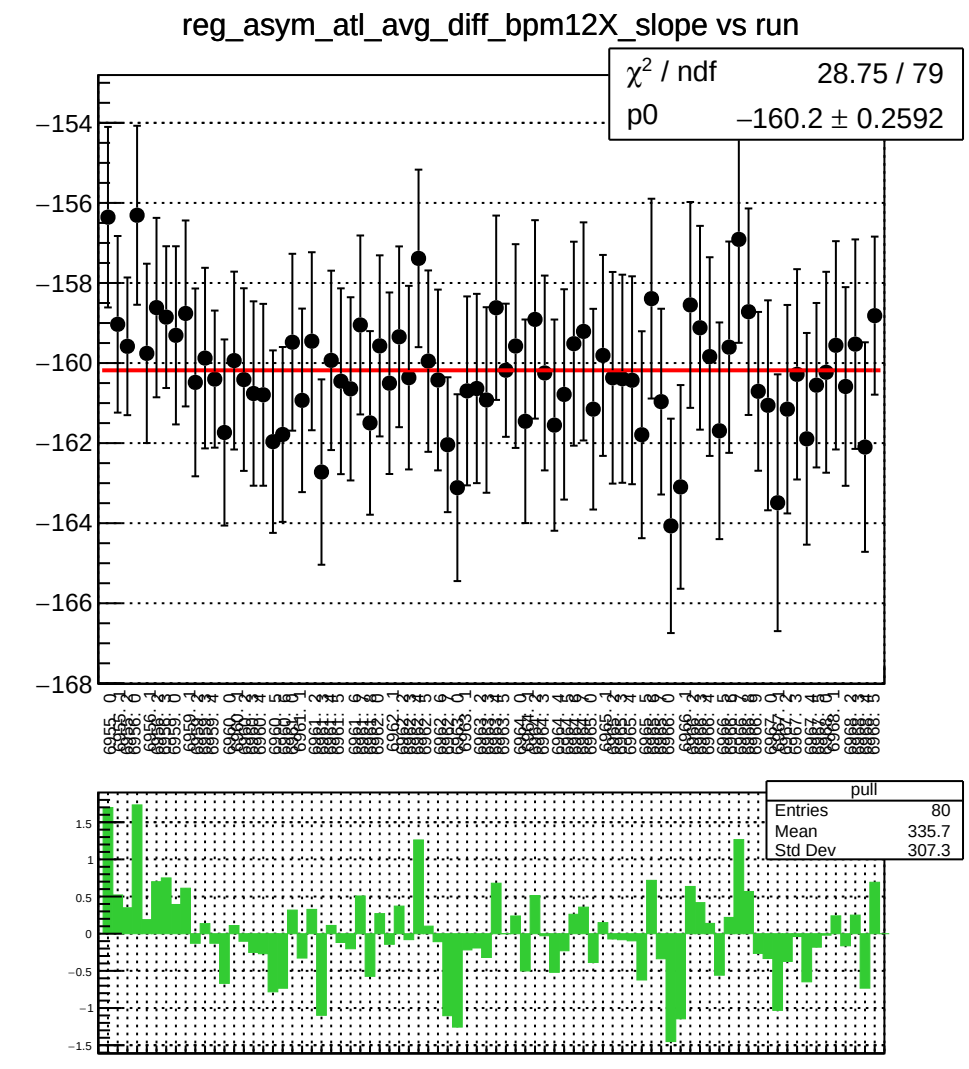

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.425 / 79
p0 13.89 ± 5.816
pull
Entries 80
Mean 1.839
Std Dev 13.68

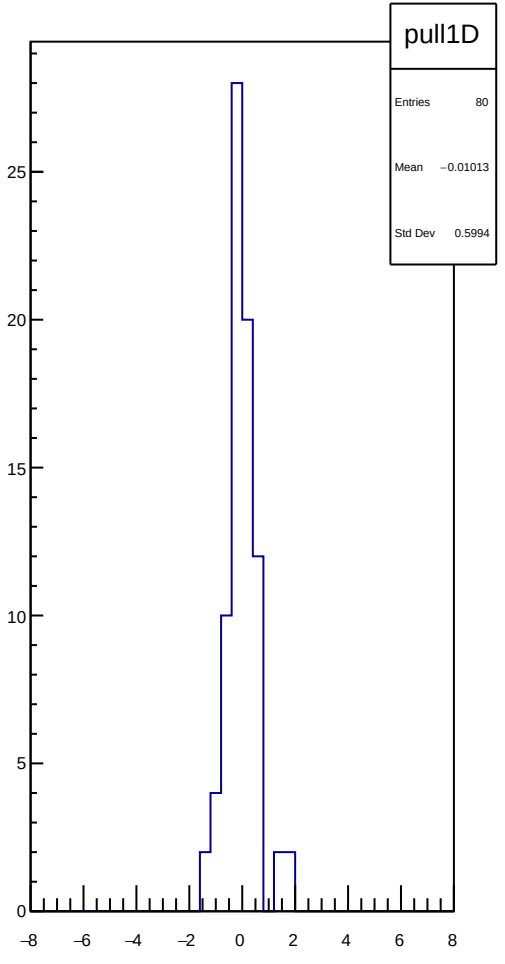

pull1D
Entries 80
Mean 0.007586
Std Dev 0.3244

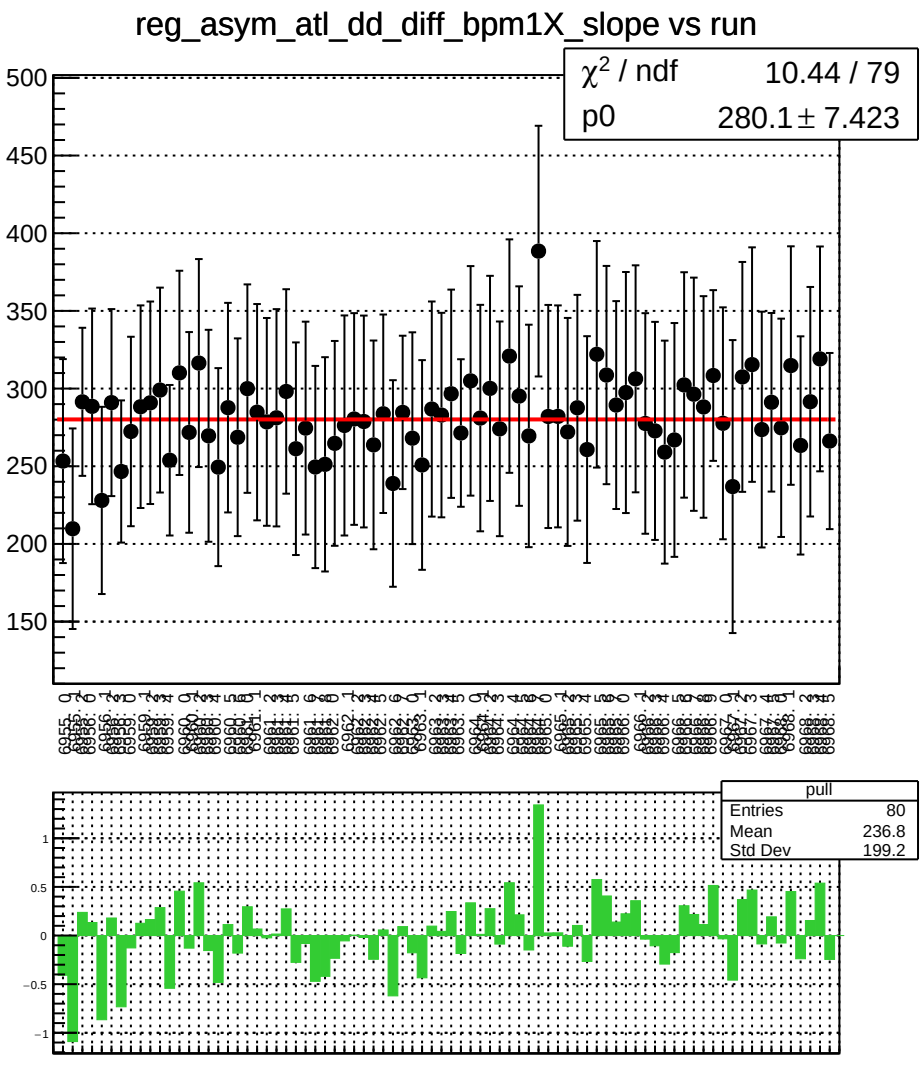

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.757 / 79
p0 272.7 ± 7.877
pull
Entries 80
Mean 482.6
Std Dev 445.3
pull1D
Entries 80
Mean 0.003952
Std Dev 0.2906

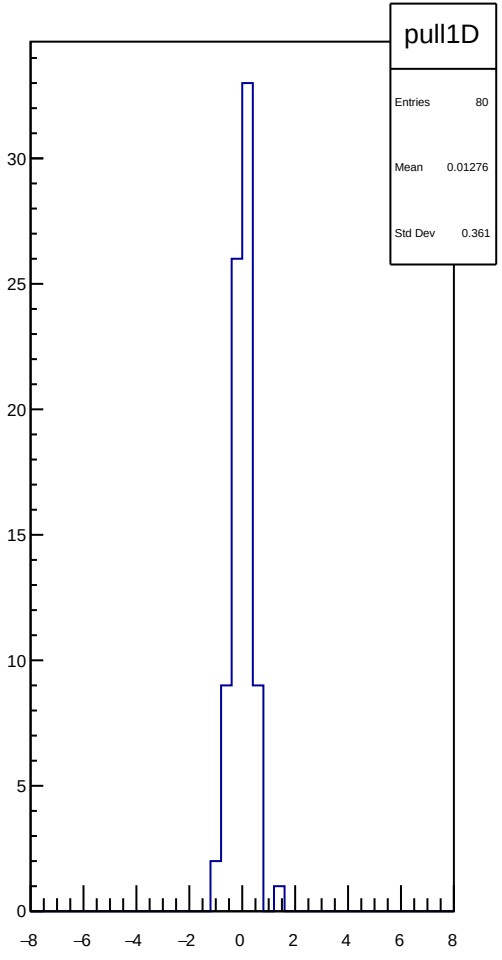

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.593 / 79
p0 58.05 ± 6.616
pull
Entries 80
Mean 8.775
Std Dev 31.03

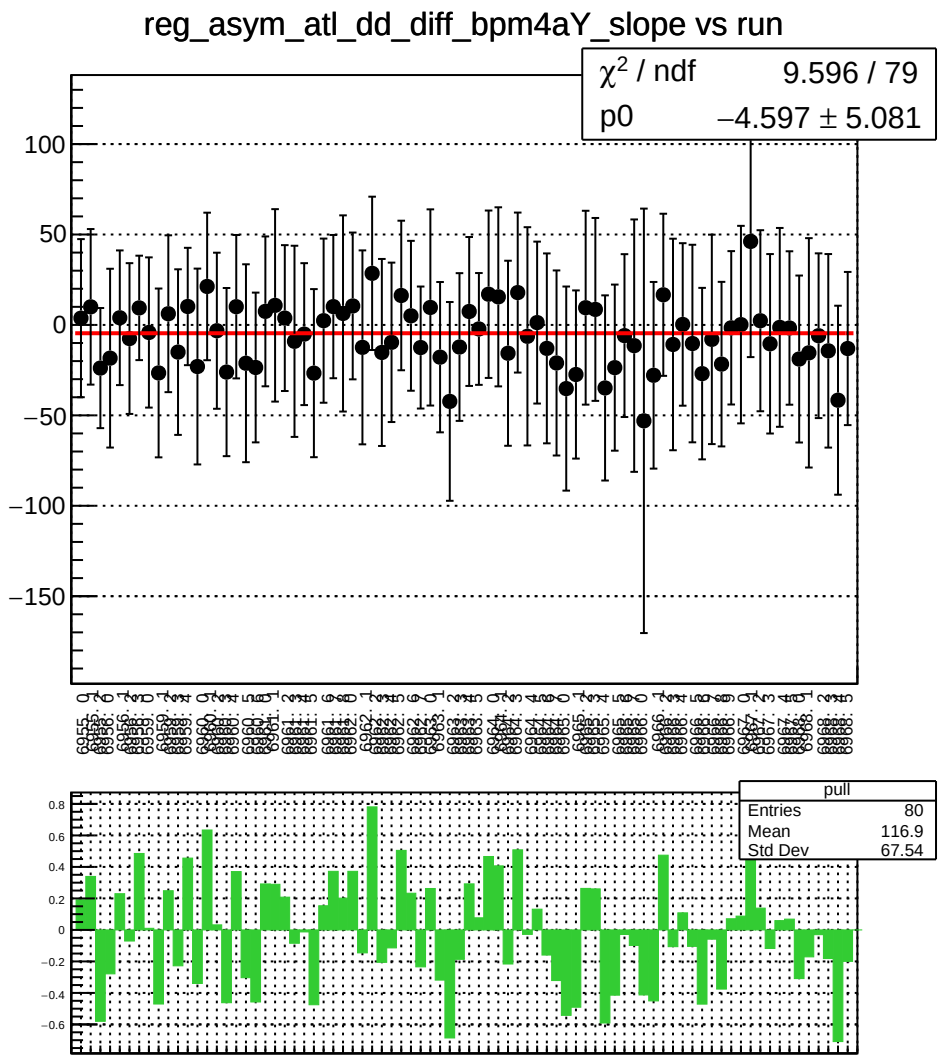

pull1D
Entries 80
Mean −0.006027
Std Dev 0.3277

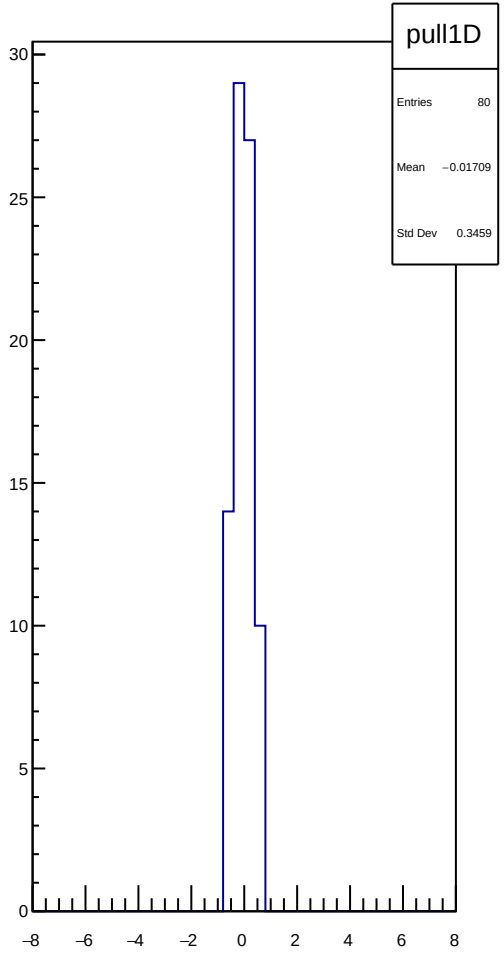

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.75 / 79
p0 −160.2 ± 0.2592
pull
Entries 80
Mean 335.7
Std Dev 307.3

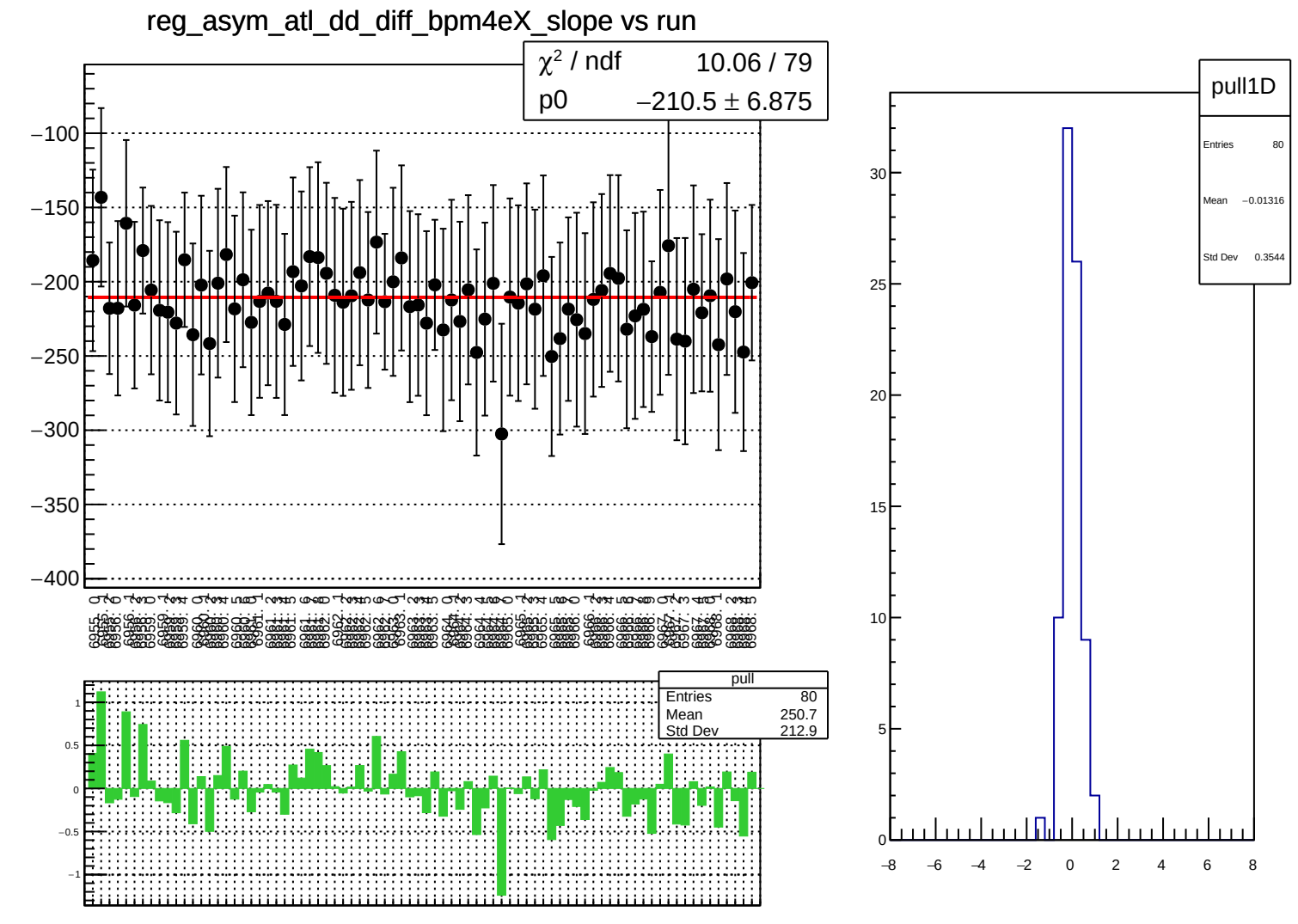

pull1D
Entries 80
Mean −0.01013
Std Dev 0.5994

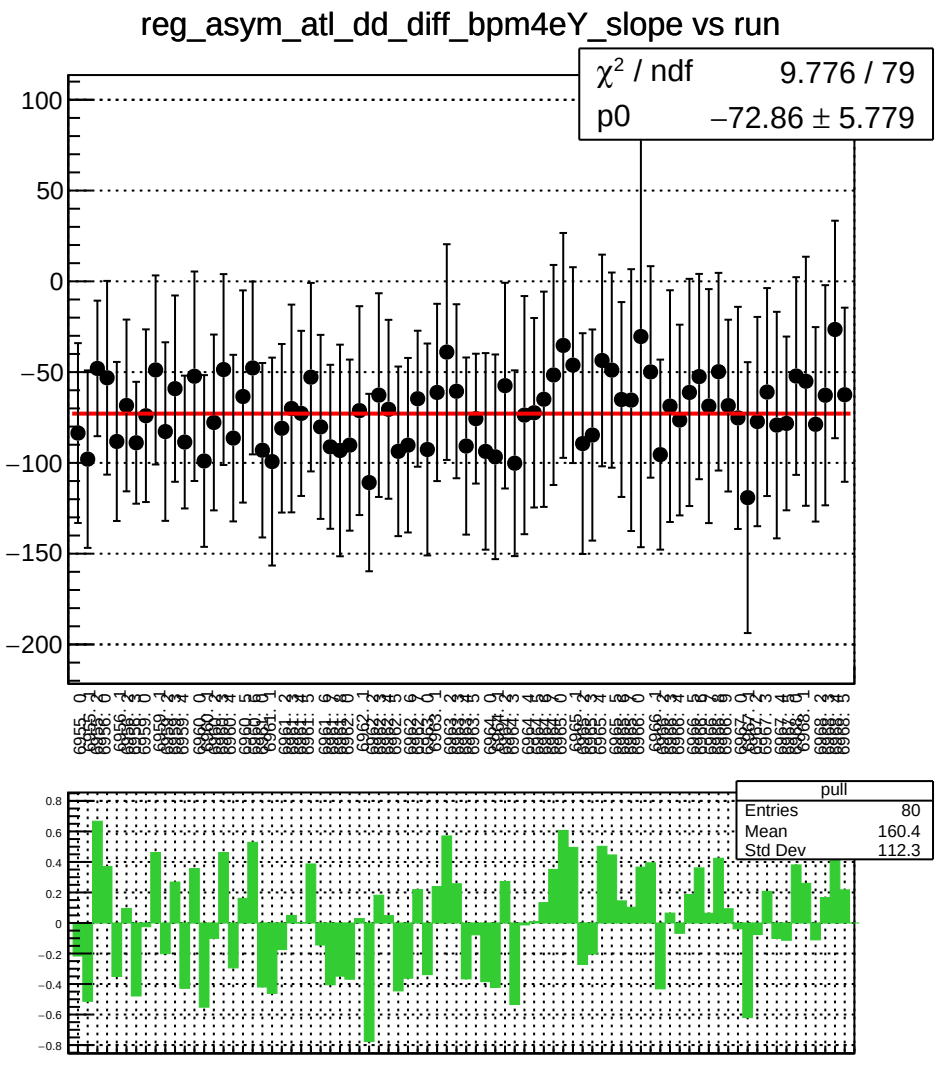

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 10.44 / 79
p0 280.1 ± 7.423
pull
Entries 80
Mean 236.8
Std Dev 199.2

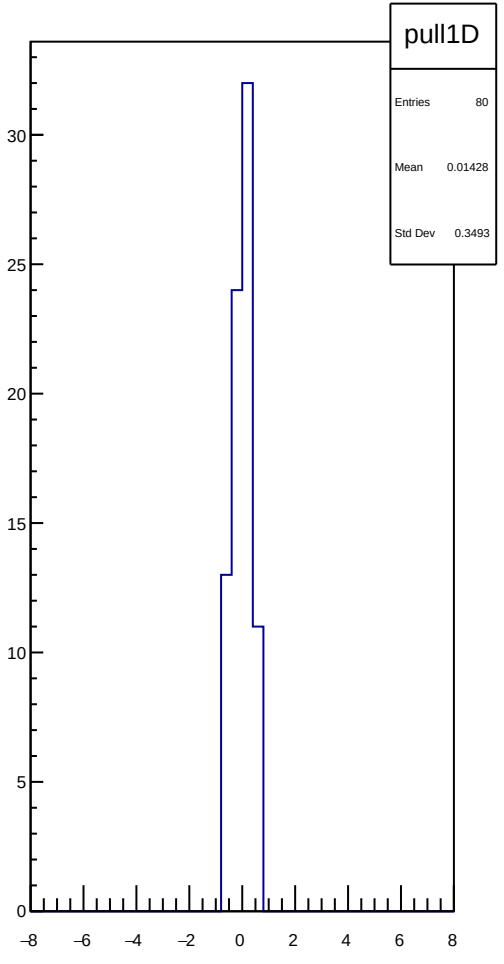

pull1D
Entries 80
Mean 0.01276
Std Dev 0.361

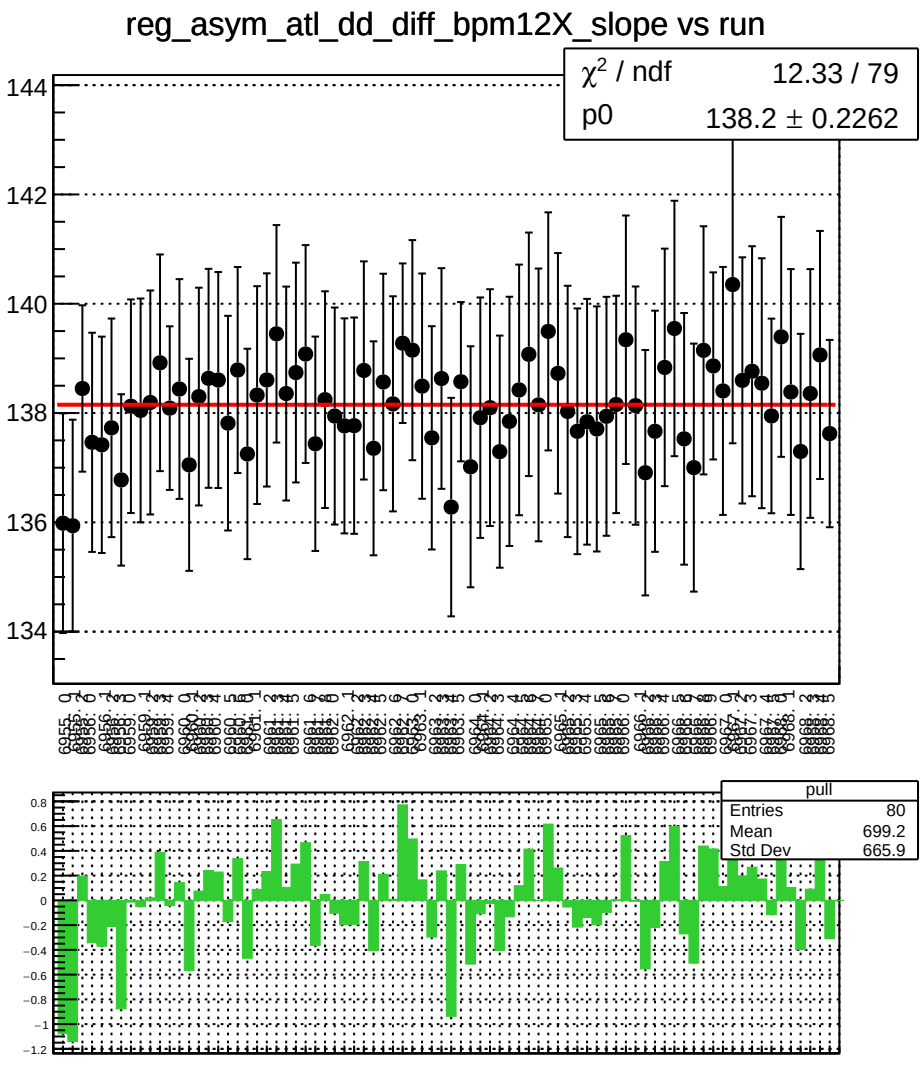

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.596 / 79
p0 −4.597 ± 5.081
100
50
0
−50
−100
−150
pull
Entries 80
Mean 116.9
Std Dev 67.54
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

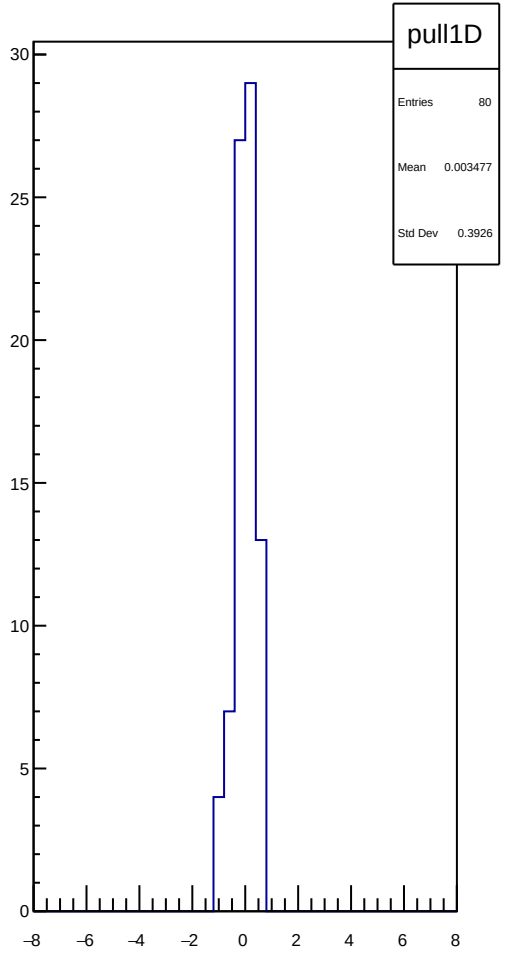

pull1D
Entries 80
Mean −0.01709
Std Dev 0.3459
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

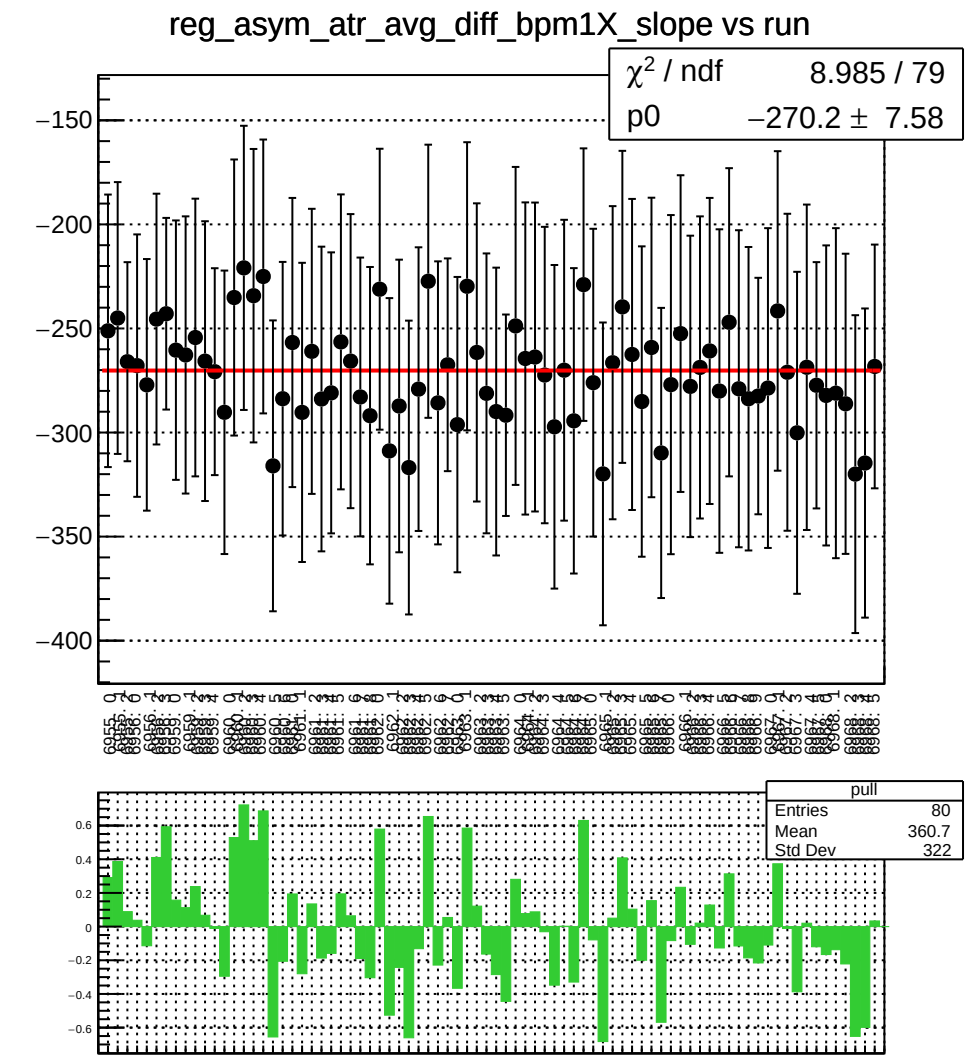

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.06 / 79
p0 −210.5 ± 6.875
pull
Entries 80
Mean 250.7
Std Dev 212.9
pull1D
Entries 80
Mean −0.01316
Std Dev 0.3544

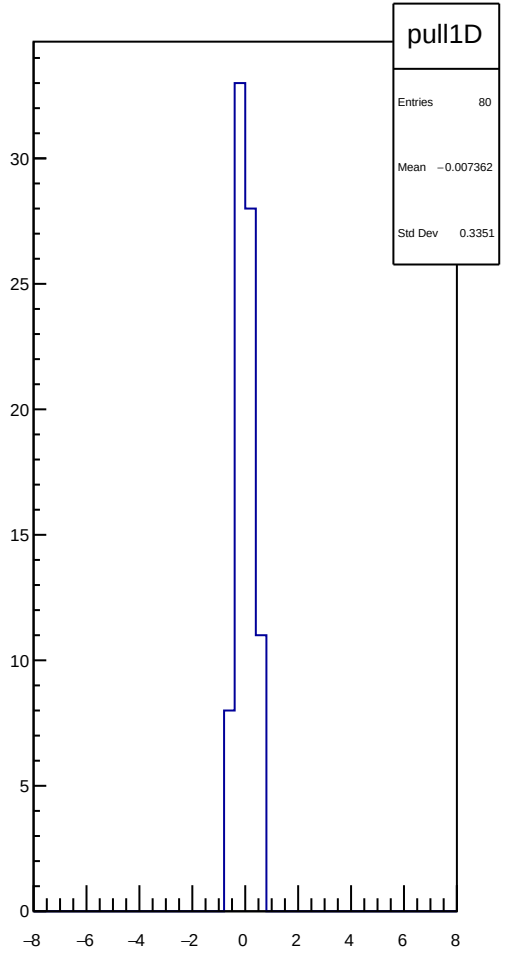

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.776 / 79
p0 −72.86 ± 5.779
pull
Entries 80
Mean 160.4
Std Dev 112.3

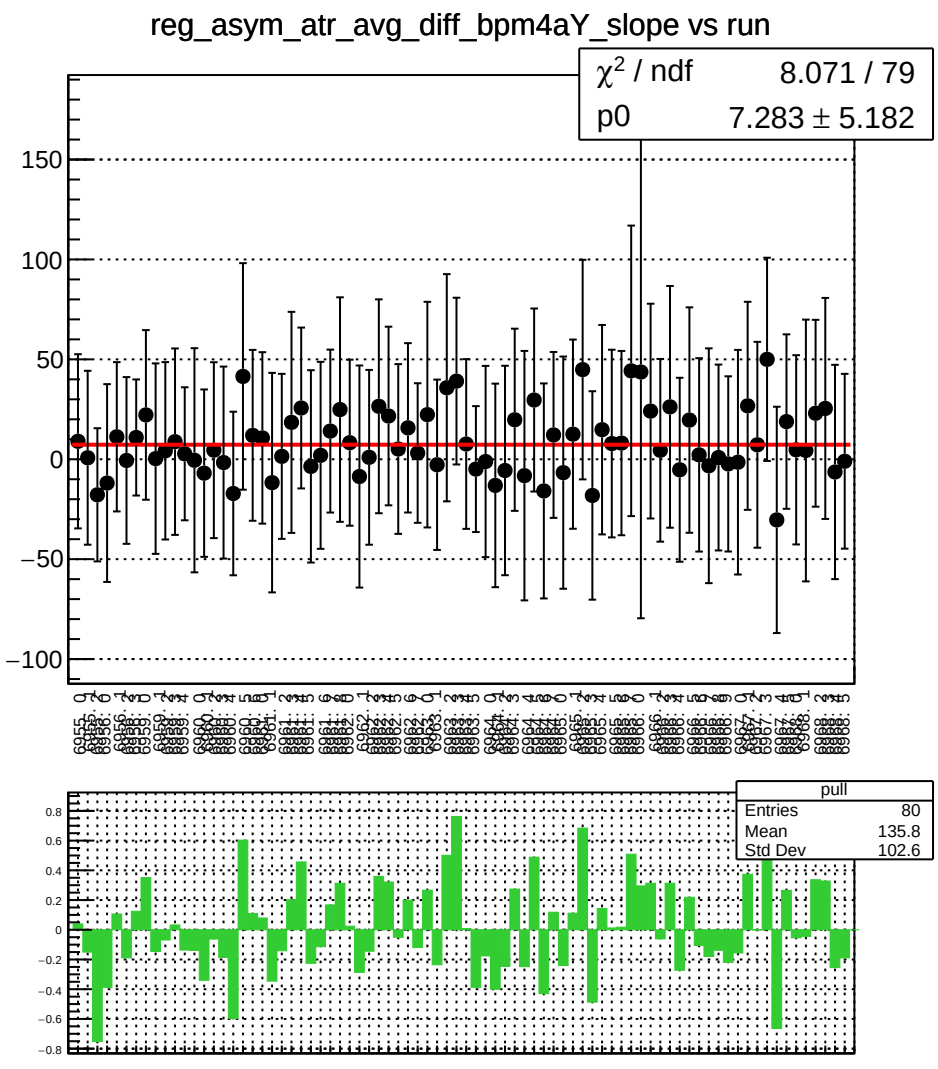

pull1D
Entries 80
Mean 0.01428
Std Dev 0.3493

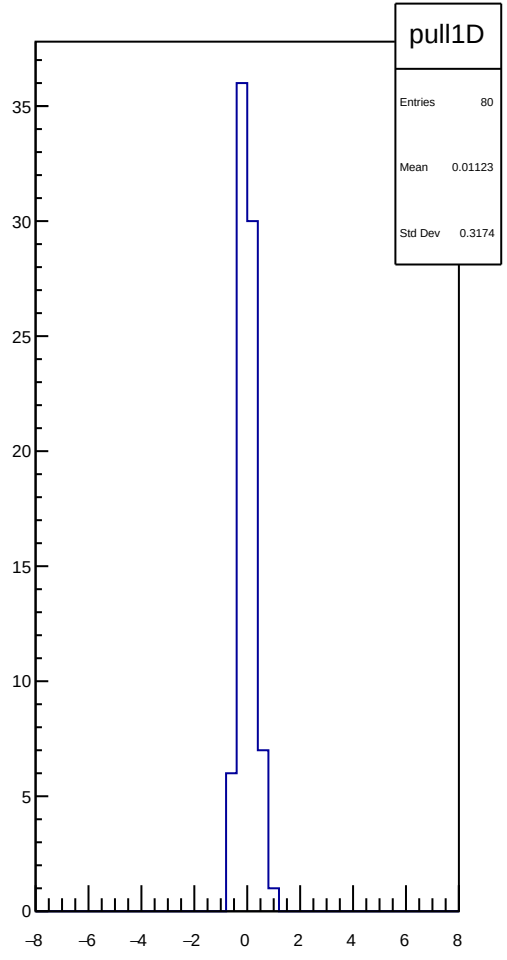

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 12.33 / 79
p0 138.2 ± 0.2262
144
142
140
138
136
134
pull
Entries 80
Mean 699.2
Std Dev 665.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

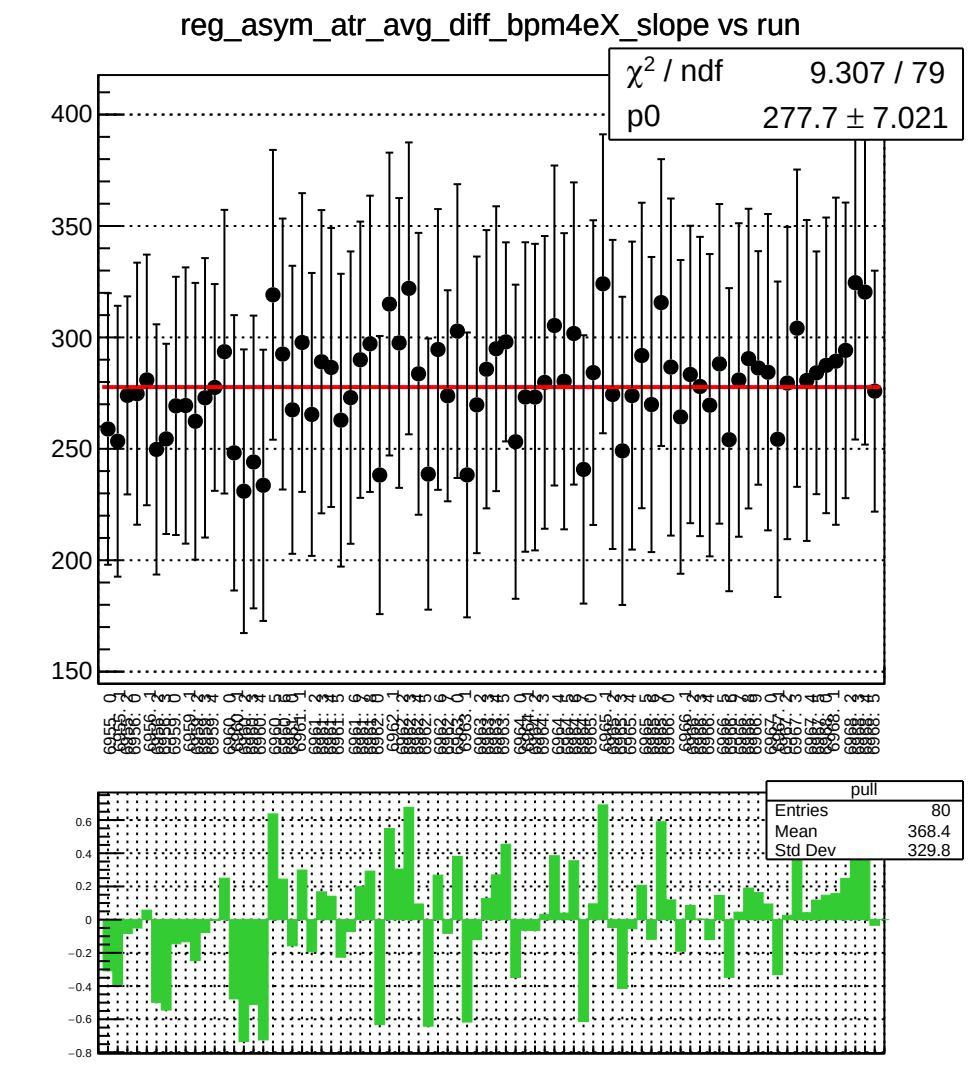

pull1D
Entries 80
Mean 0.003477
Std Dev 0.3926
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

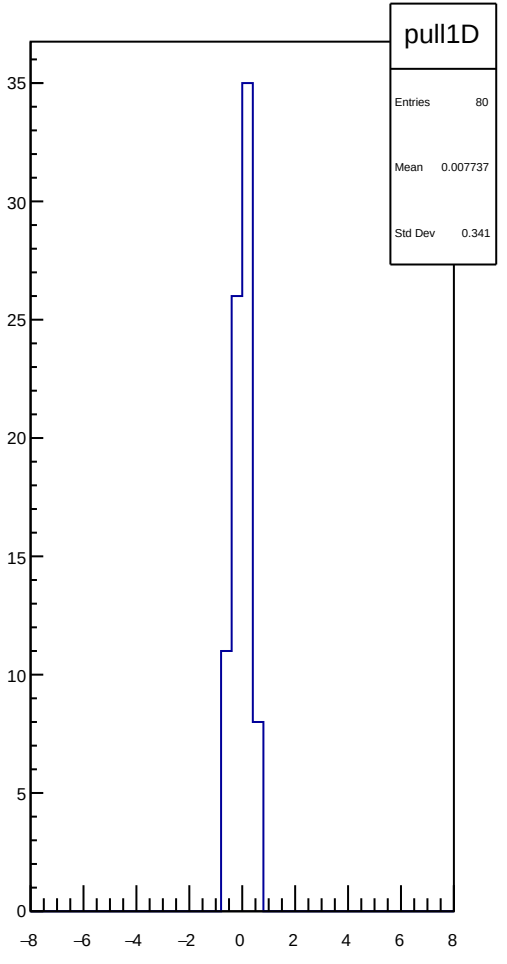

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 8.985 / 79
p0 −270.2 ± 7.58
−150
−200
−250
−300
−350
−400
pull
Entries 80
Mean 360.7
Std Dev 322
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

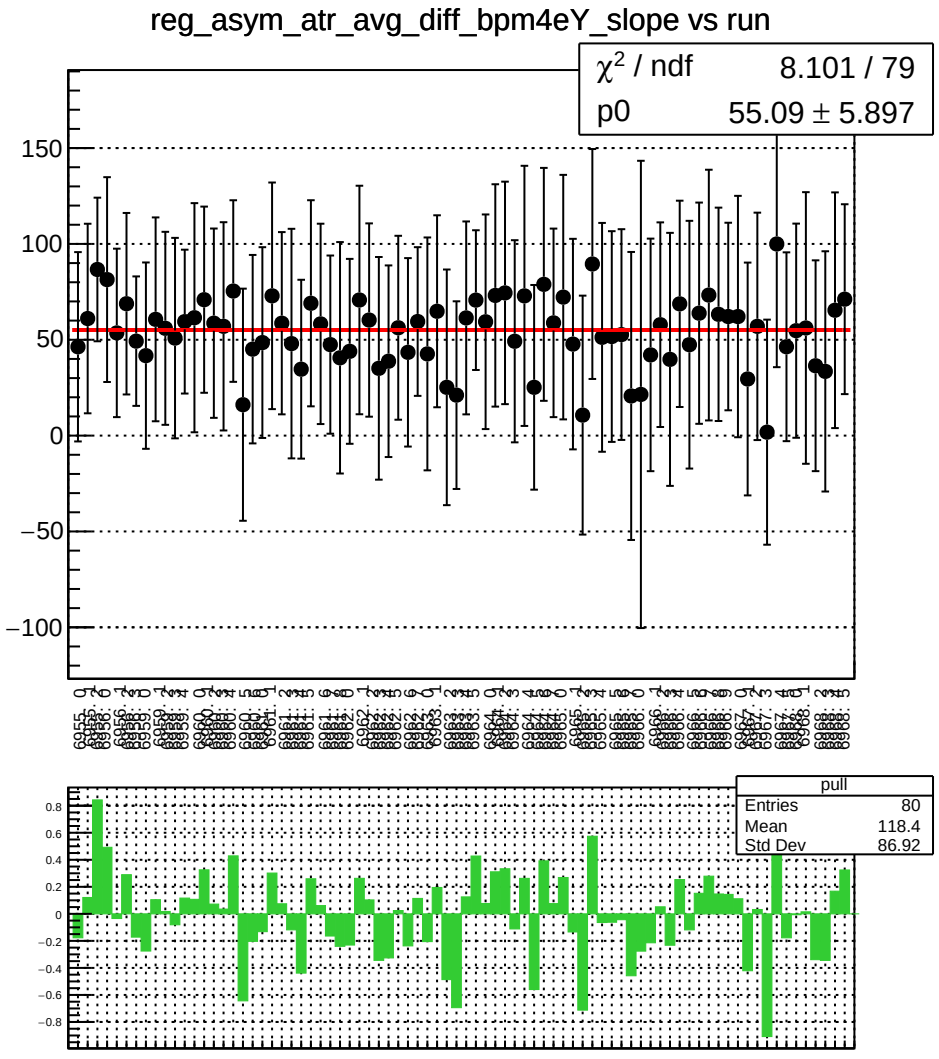

pull1D
Entries 80
Mean −0.007362
Std Dev 0.3351
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

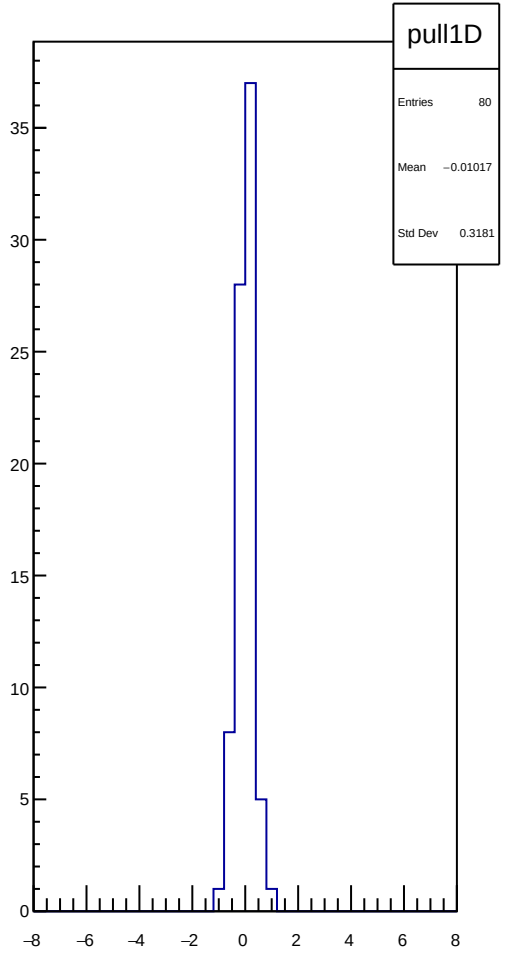

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.071 / 79
p0 7.283 ± 5.182
150
100
50
0
−50
−100
pull
Entries 80
Mean 135.8
Std Dev 102.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

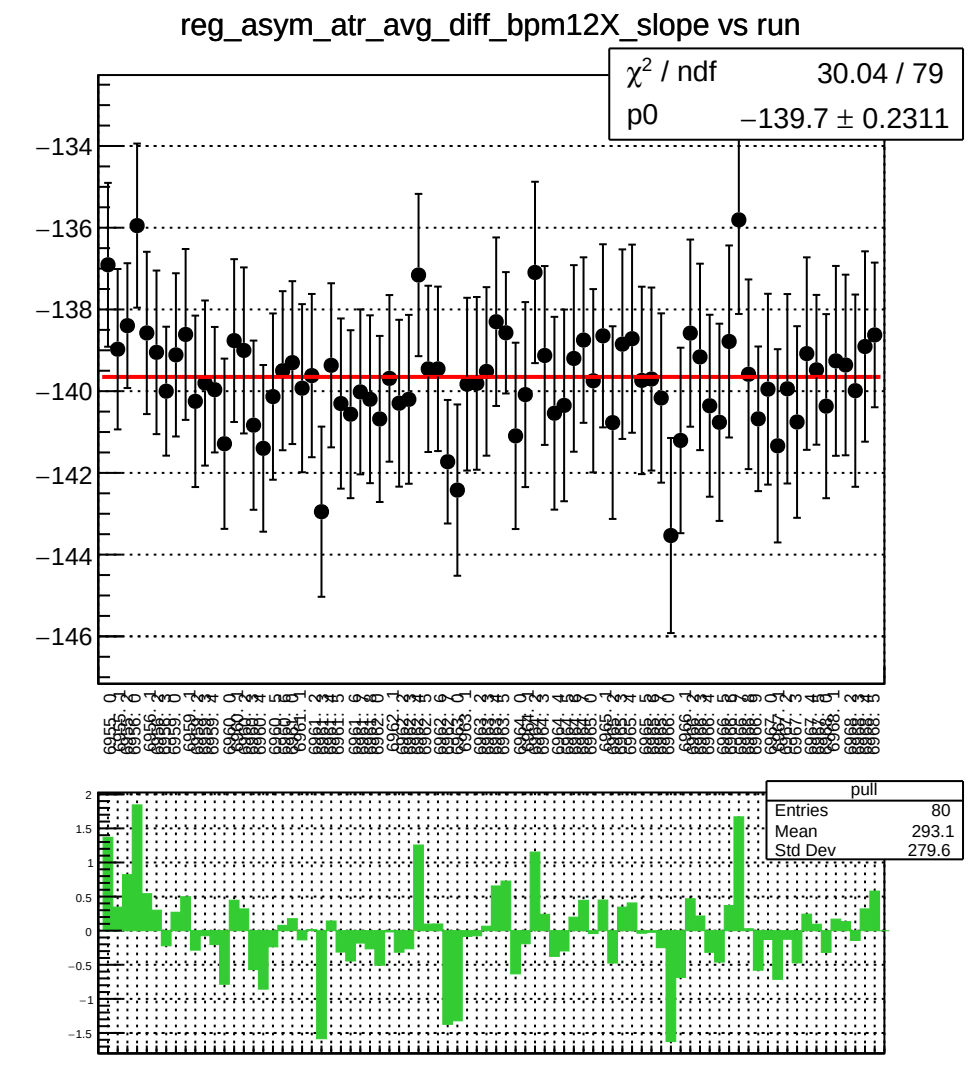

pull1D
Entries 80
Mean 0.01123
Std Dev 0.3174
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

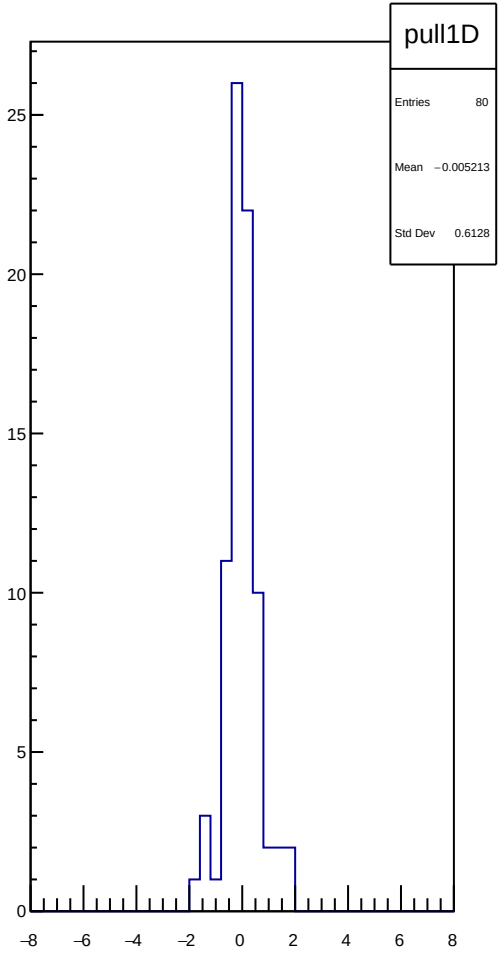

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.307 / 79
p0 277.7 ± 7.021
400
350
300
250
200
150
pull
Entries 80
Mean 368.4
Std Dev 329.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

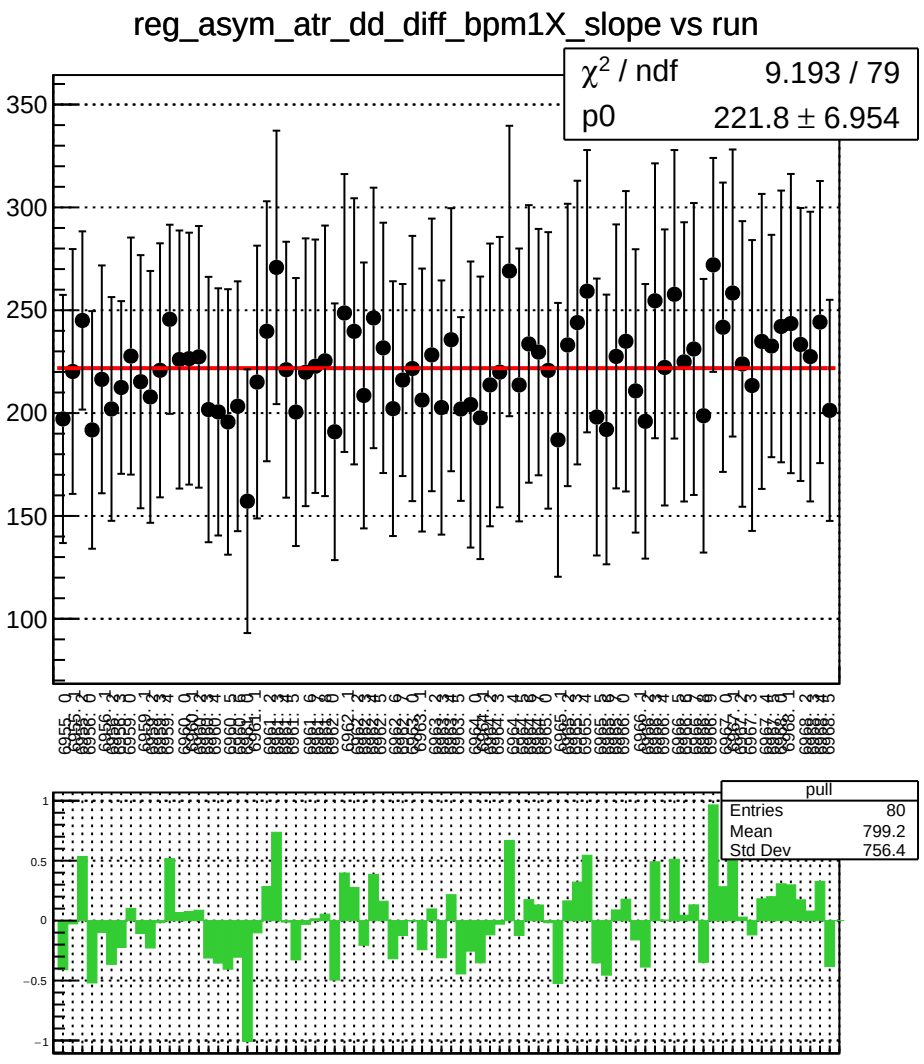

pull1D
Entries 80
Mean 0.007737
Std Dev 0.341
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

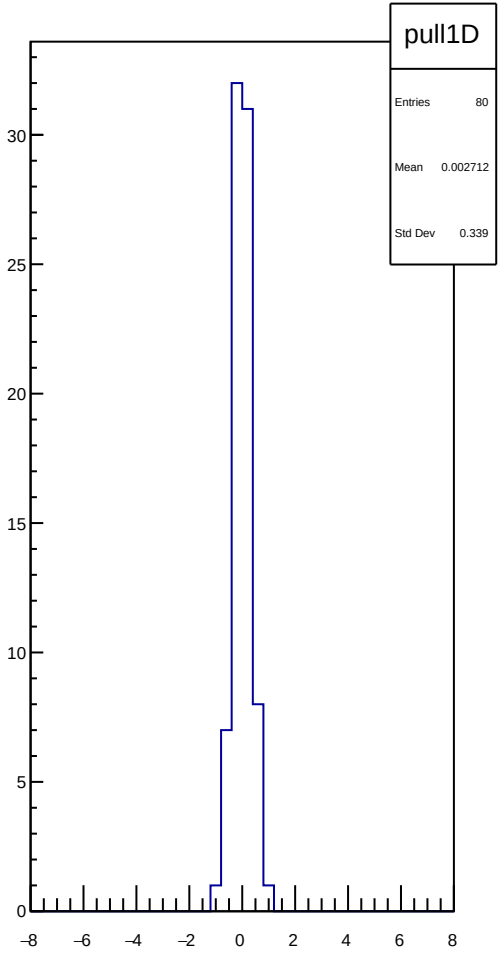

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.101 / 79
p0 55.09 ± 5.897
150
100
50
0
−50
−100
pull
Entries 80
Mean 118.4
Std Dev 86.92
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

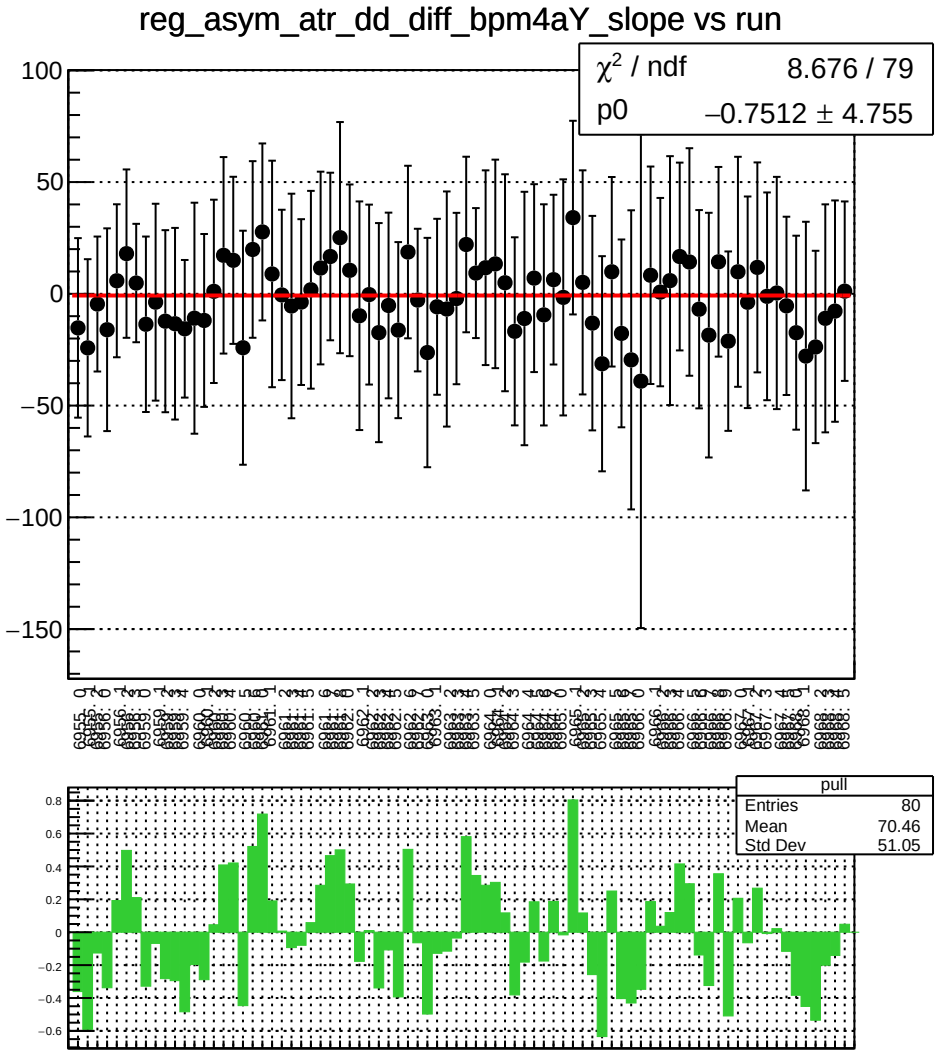

pull1D
Entries 80
Mean −0.01017
Std Dev 0.3181
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

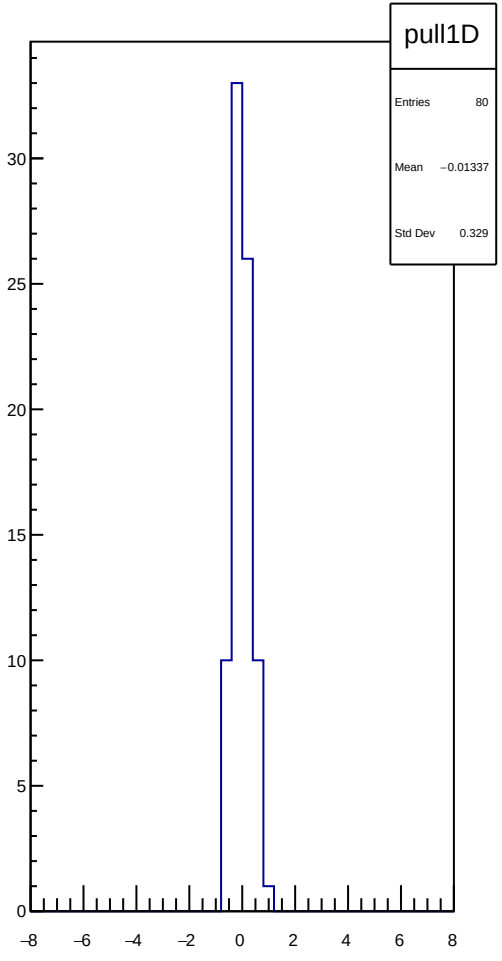

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 30.04 / 79
p0 −139.7 ± 0.2311
pull
Entries 80
Mean 293.1
Std Dev 279.6

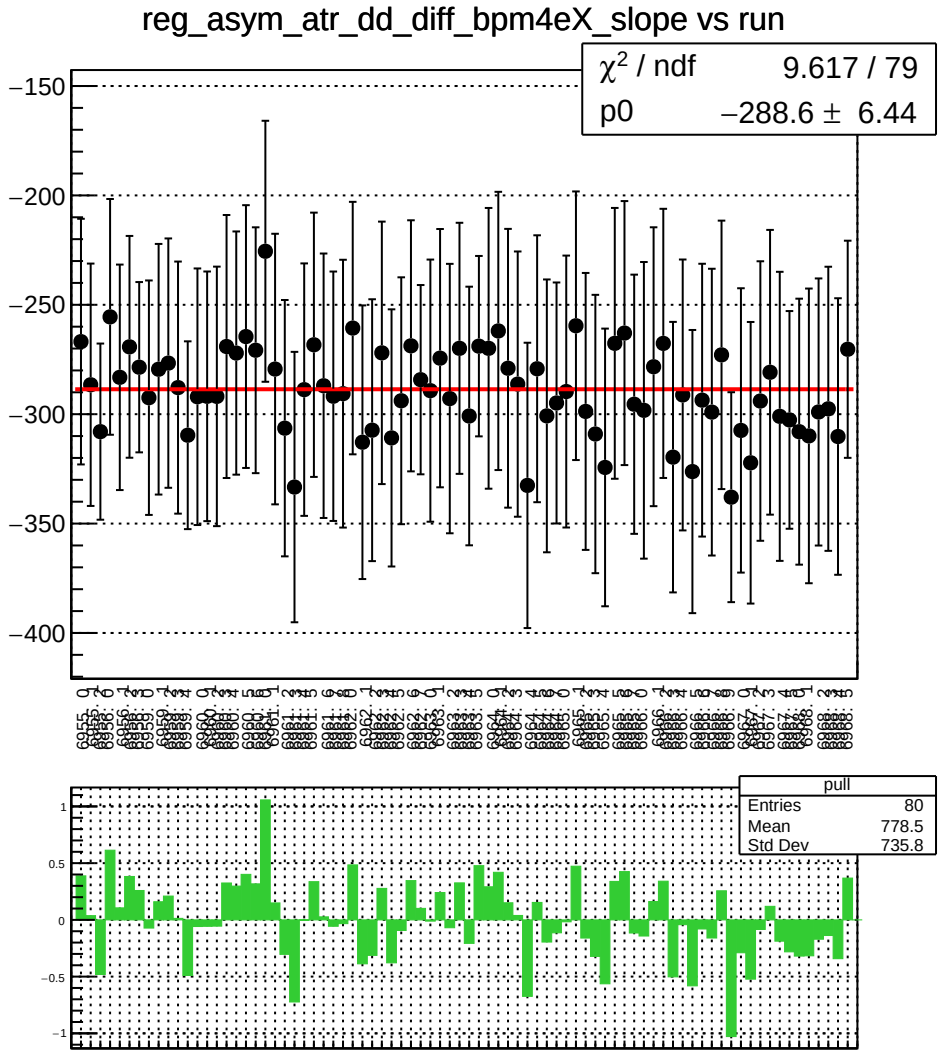

pull1D
Entries 80
Mean −0.005213
Std Dev 0.6128

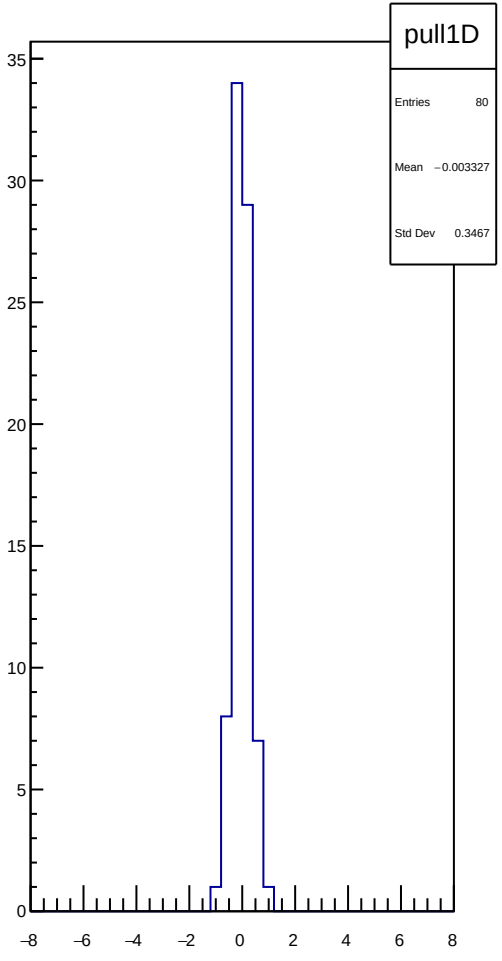

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 9.193 / 79
p0 221.8 ± 6.954
pull
Entries 80
Mean 799.2
Std Dev 756.4

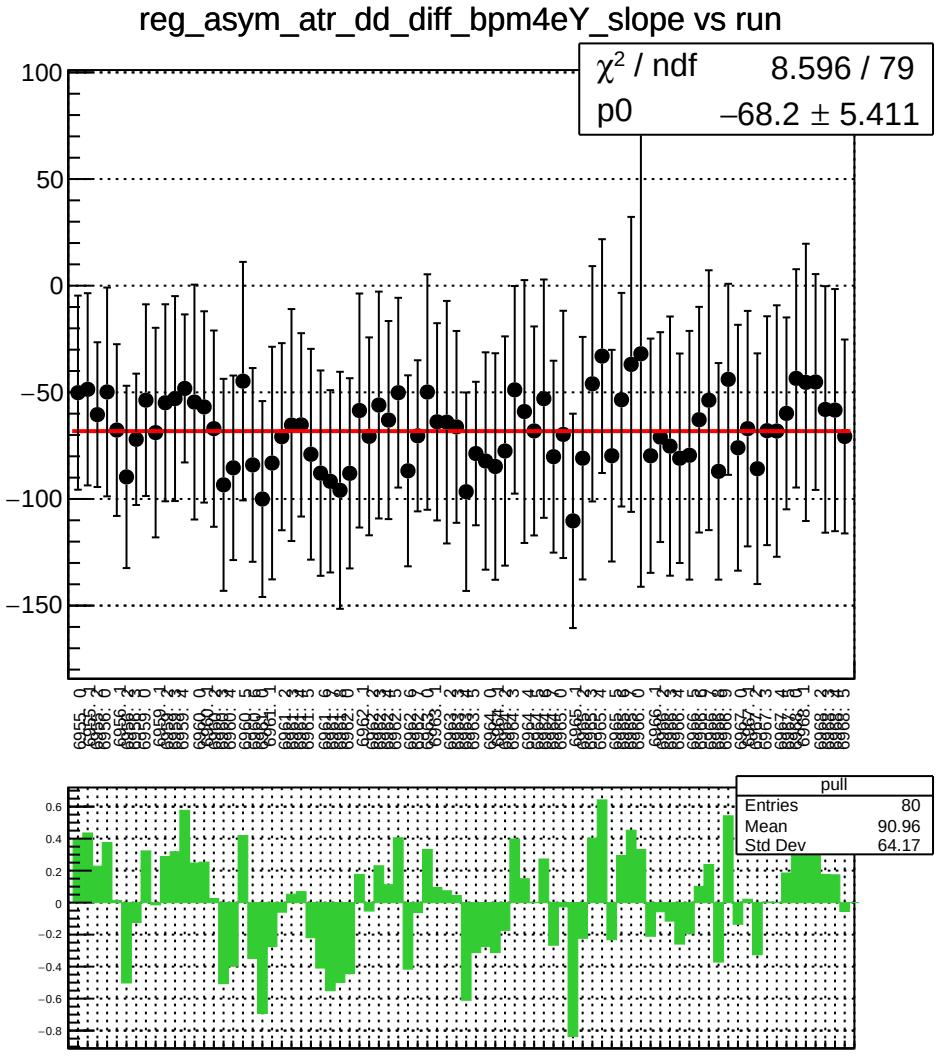

pull1D
Entries 80
Mean 0.002712
Std Dev 0.339

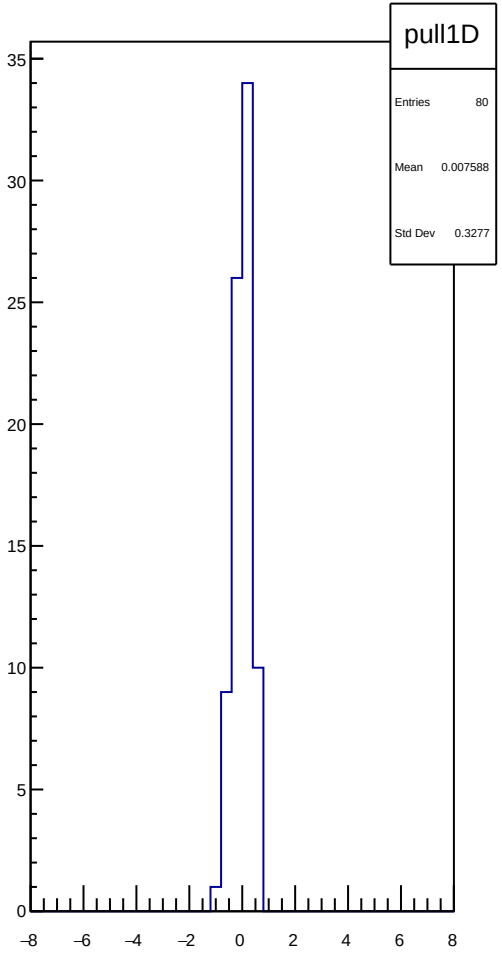

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.676 / 79
p0 −0.7512 ± 4.755
pull
Entries 80
Mean 70.46
Std Dev 51.05

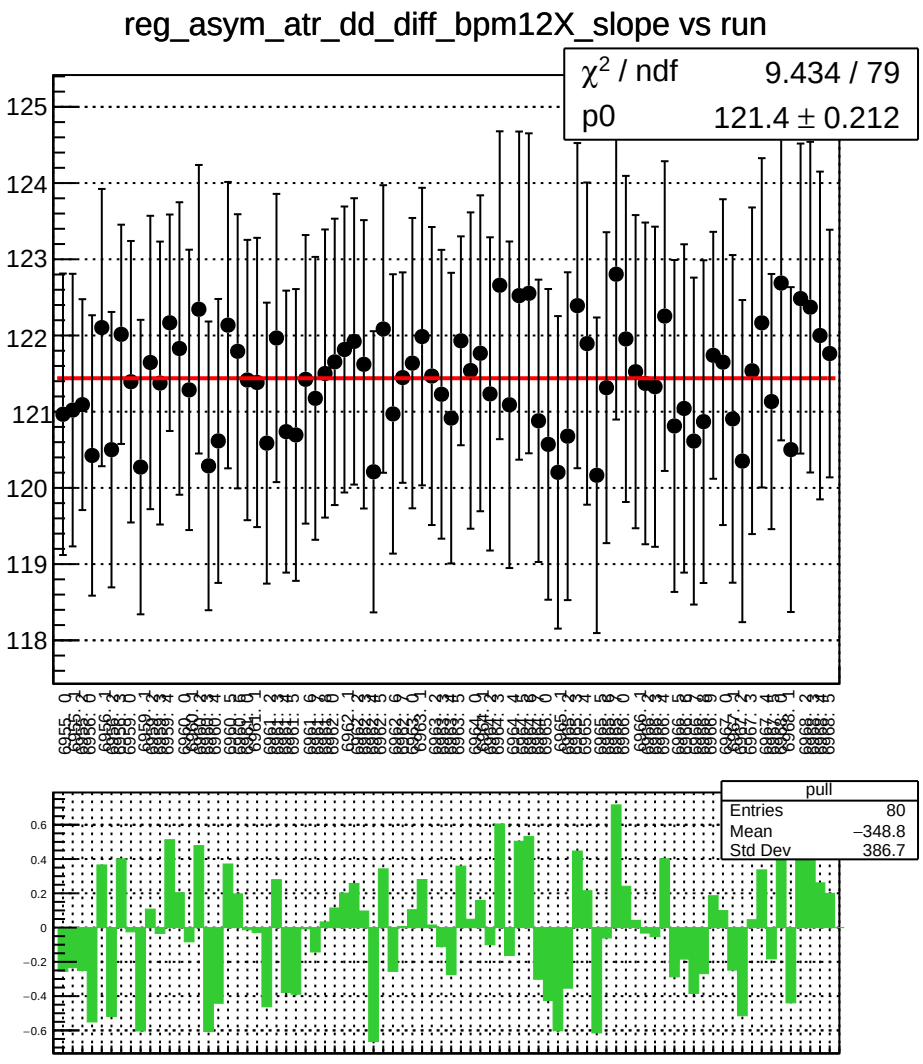

pull1D
Entries 80
Mean −0.01337
Std Dev 0.329

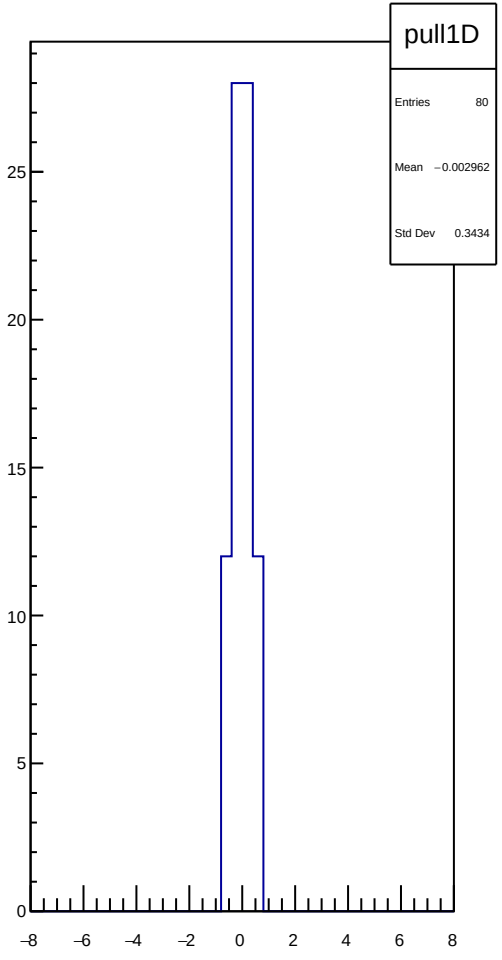

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.617 / 79
p0 −288.6 ± 6.44
pull
Entries 80
Mean 778.5
Std Dev 735.8

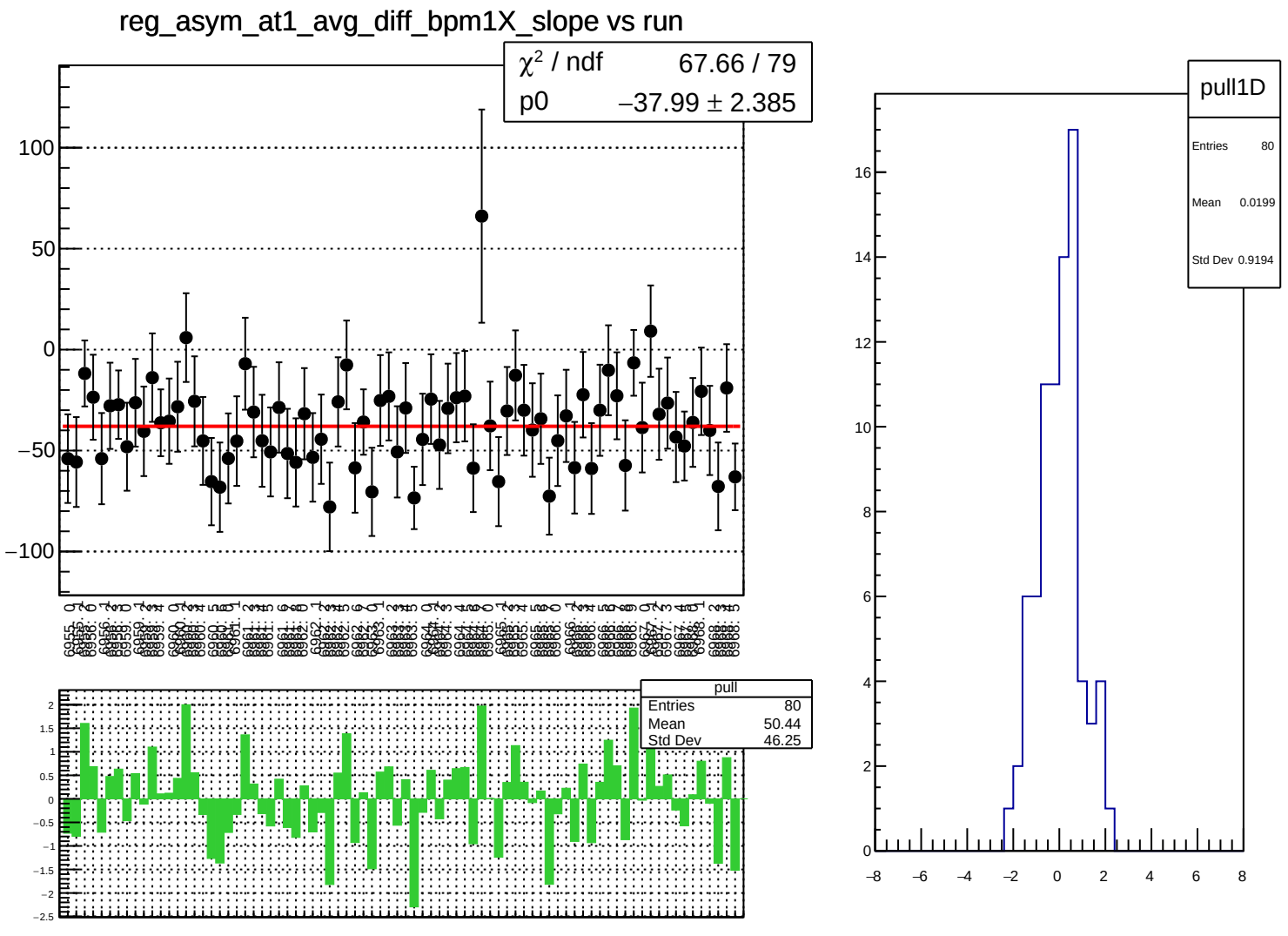

pull1D
Entries 80
Mean −0.003327
Std Dev 0.3467

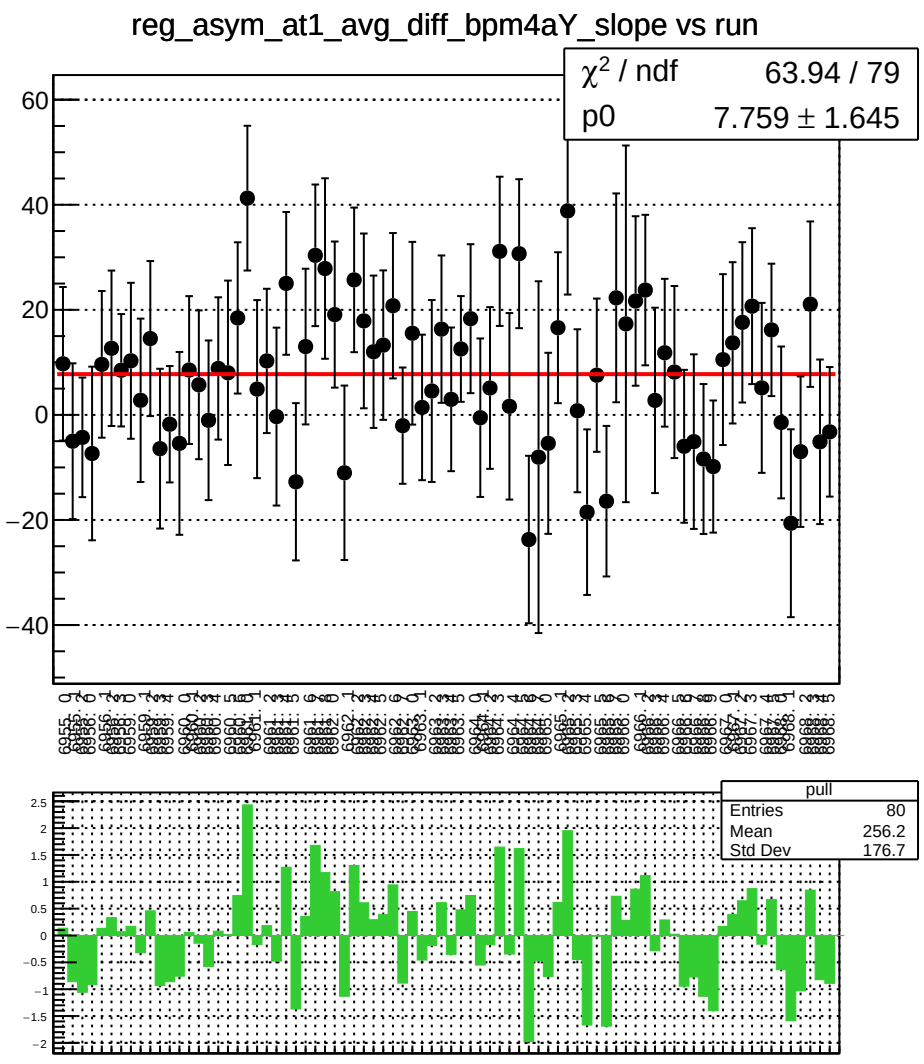

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.596 / 79
p0 −68.2 ± 5.411
pull
Entries 80
Mean 90.96
Std Dev 64.17

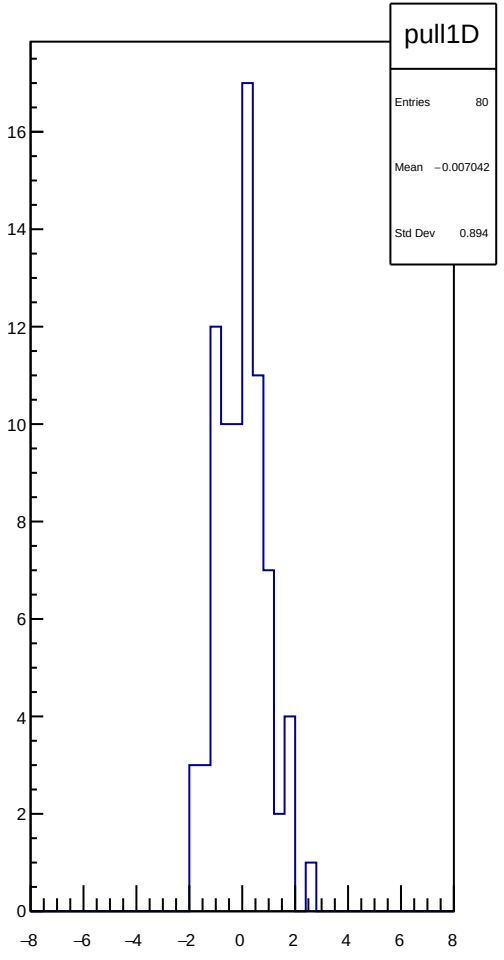

pull1D
Entries 80
Mean 0.007588
Std Dev 0.3277

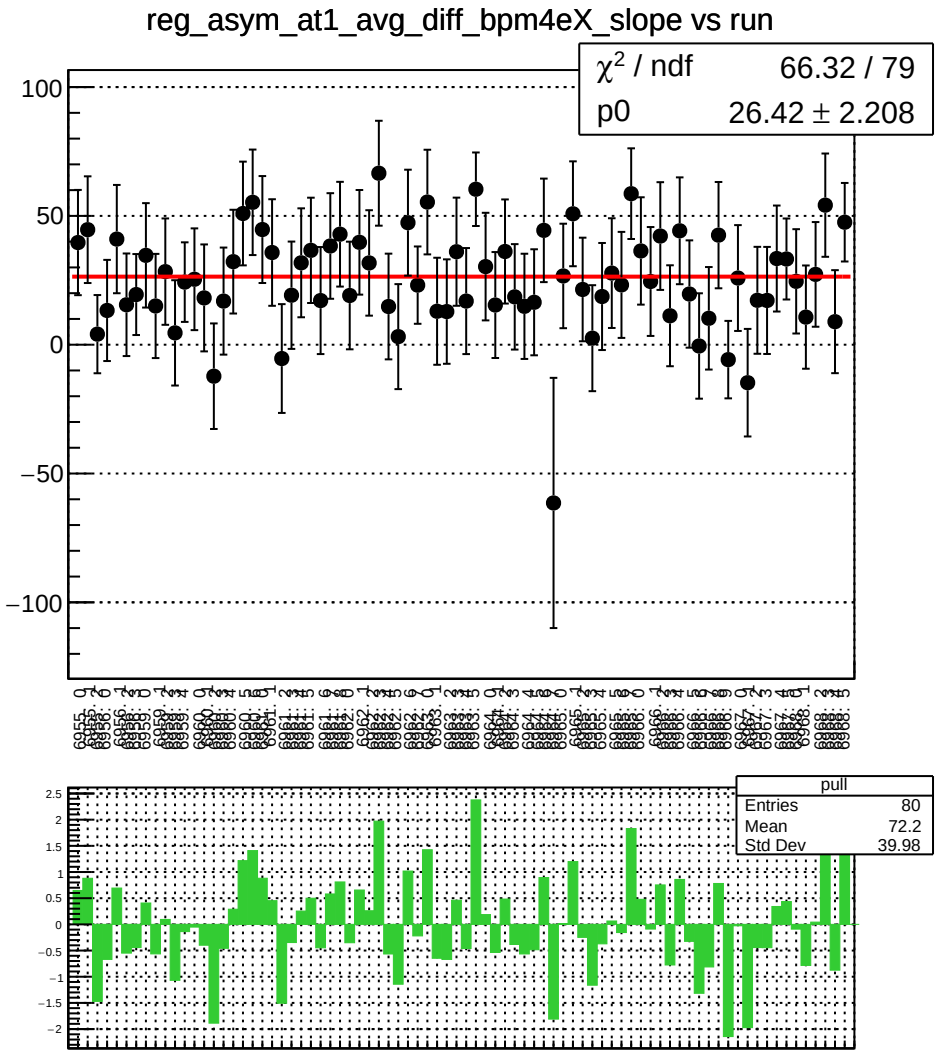

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 9.434 / 79
p0 121.4 ± 0.212
125
124
123
122
121
120
119
118
pull
Entries 80
Mean −348.8
Std Dev 386.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

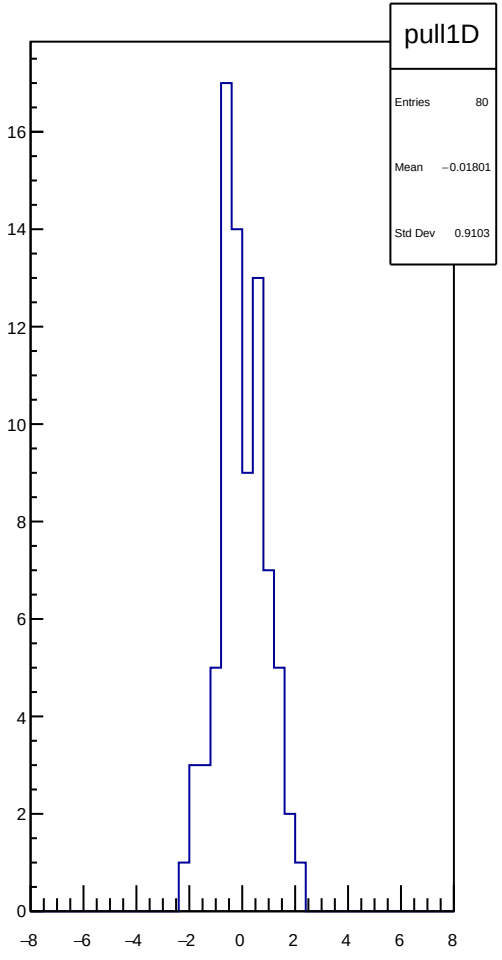

pull1D
Entries 80
Mean −0.002962
Std Dev 0.3434
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

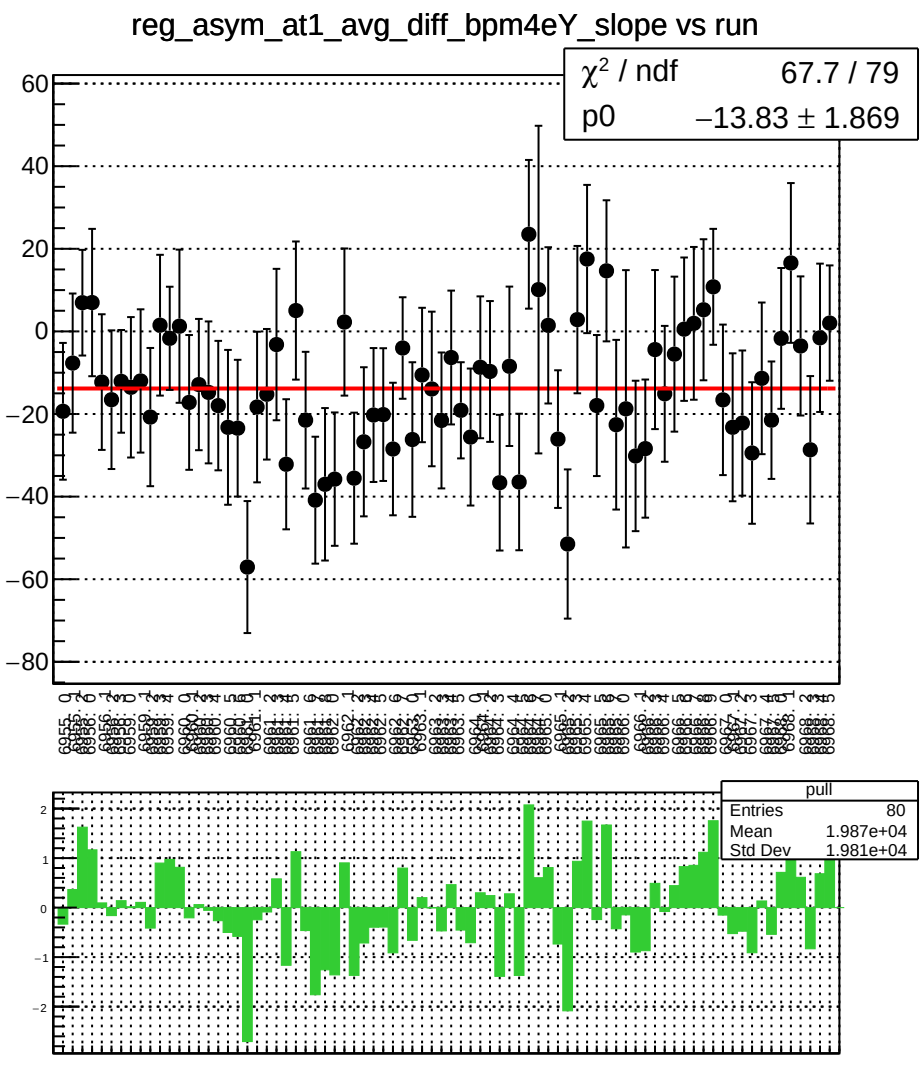

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 67.66 / 79
p0 −37.99 ± 2.385
pull
Entries 80
Mean 50.44
Std Dev 46.25
pull1D
Entries 80
Mean 0.0199
Std Dev 0.9194

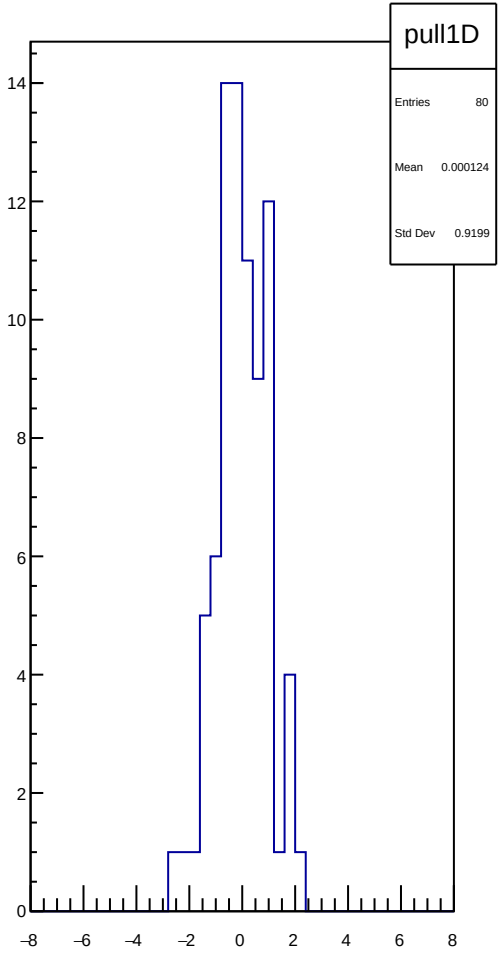

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.94 / 79
p0 7.759 ± 1.645
pull
Entries 80
Mean 256.2
Std Dev 176.7

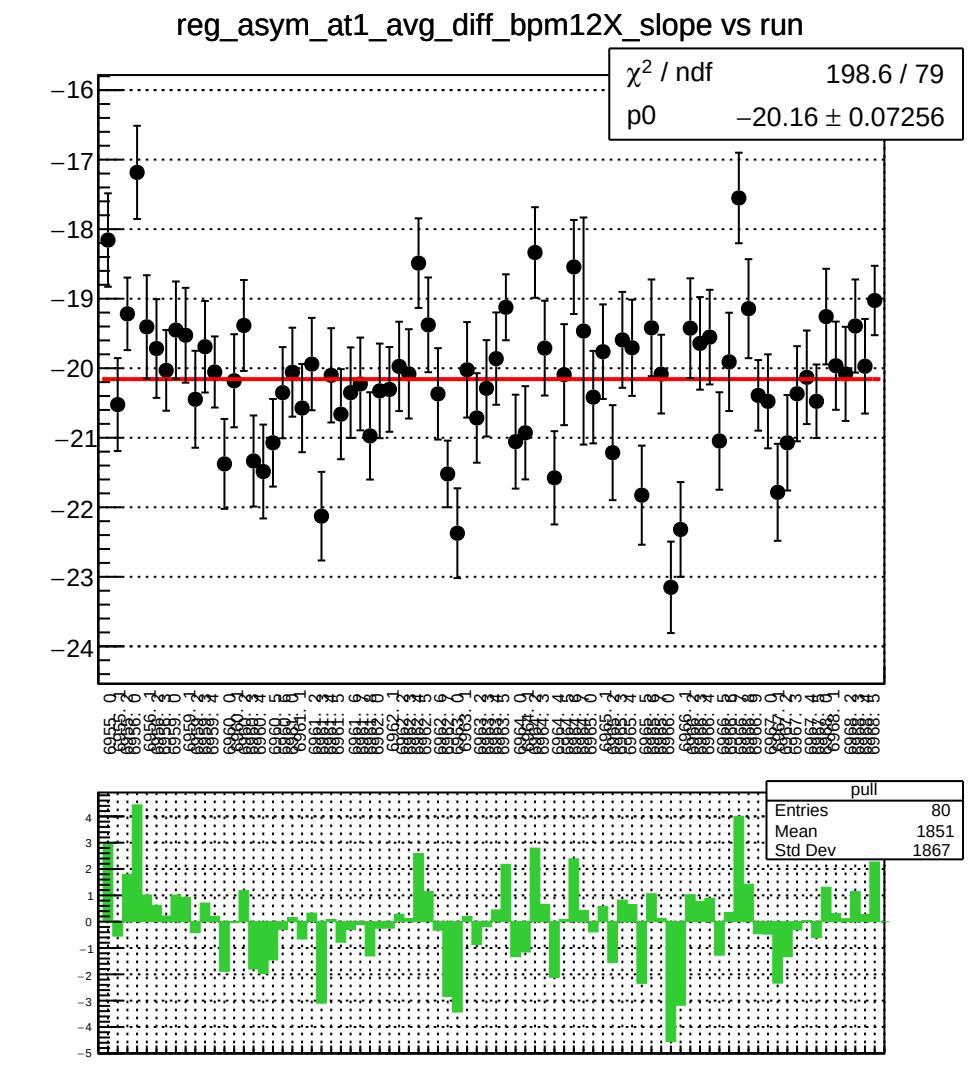

pull1D
Entries 80
Mean −0.007042
Std Dev 0.894

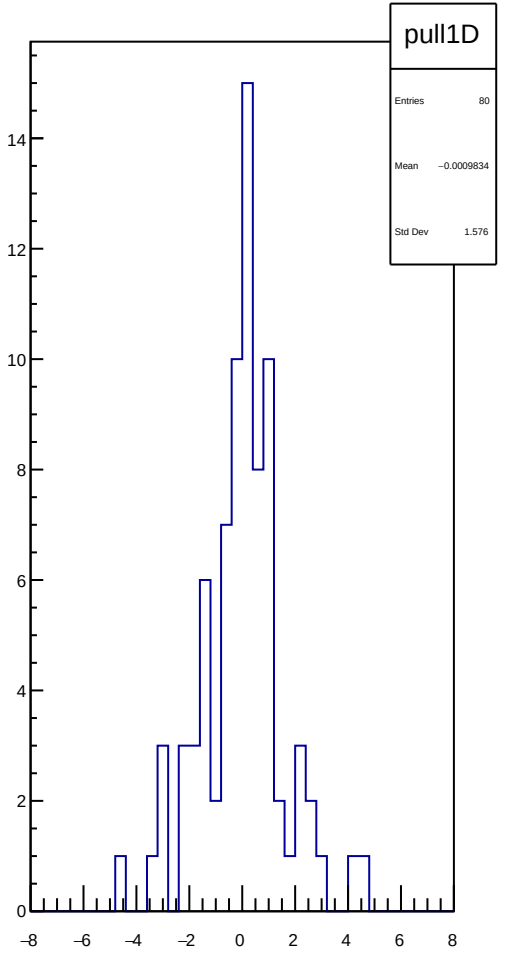

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 66.32 / 79
p0 26.42 ± 2.208
pull
Entries 80
Mean 72.2
Std Dev 39.98

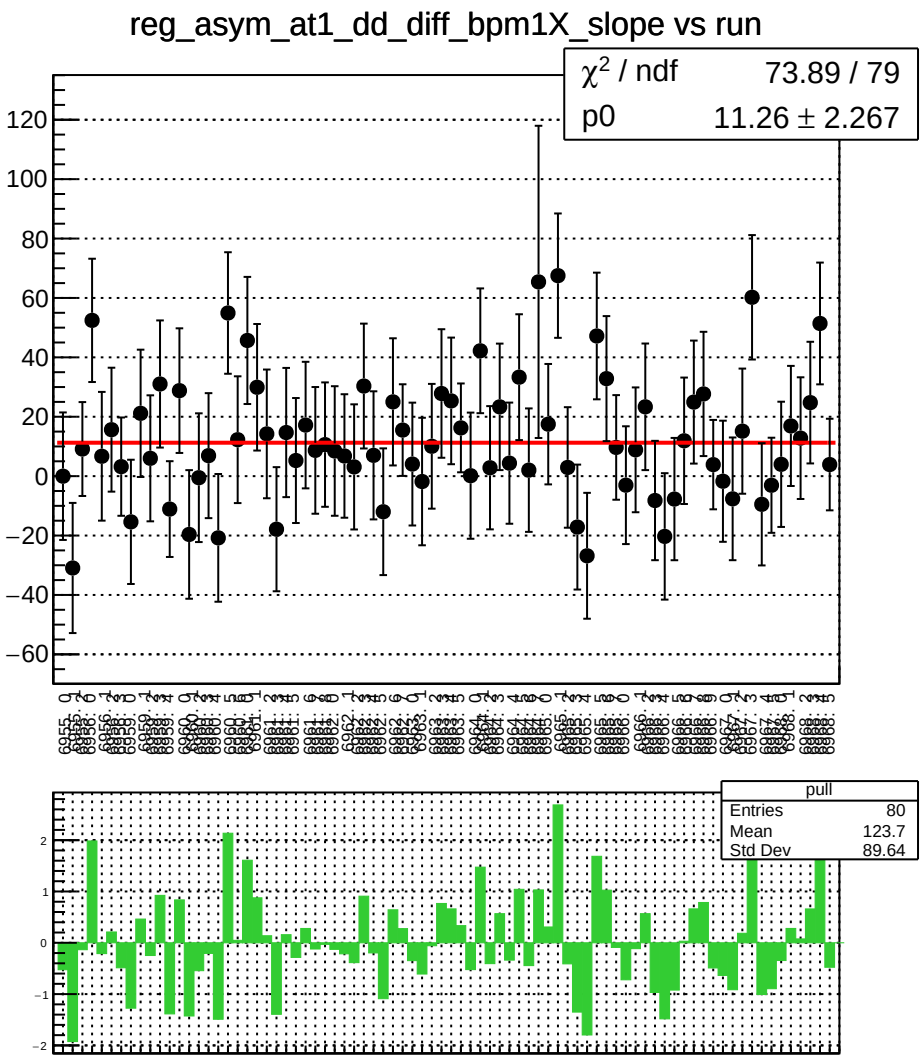

pull1D
Entries 80
Mean −0.01801
Std Dev 0.9103

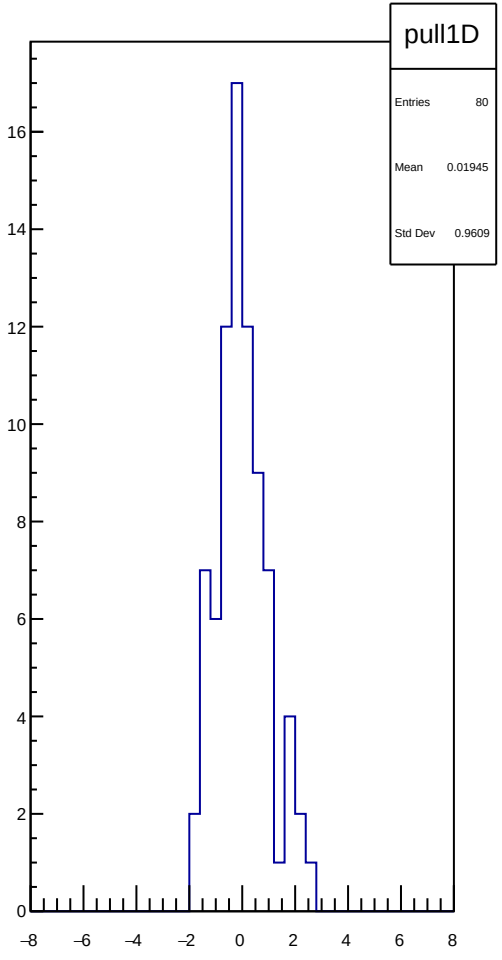

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.7 / 79
p0 −13.83 ± 1.869
pull
Entries 80
Mean 1.987e+04
Std Dev 1.981e+04

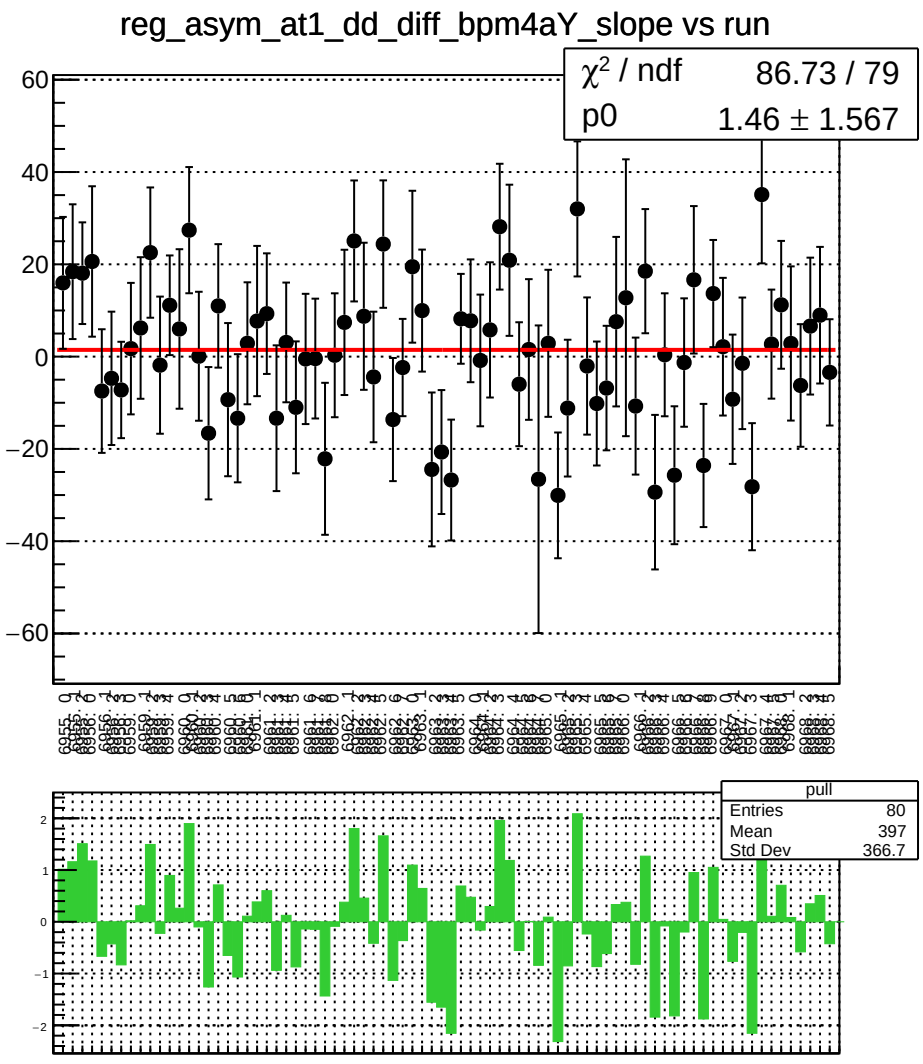

pull1D
Entries 80
Mean 0.000124
Std Dev 0.9199

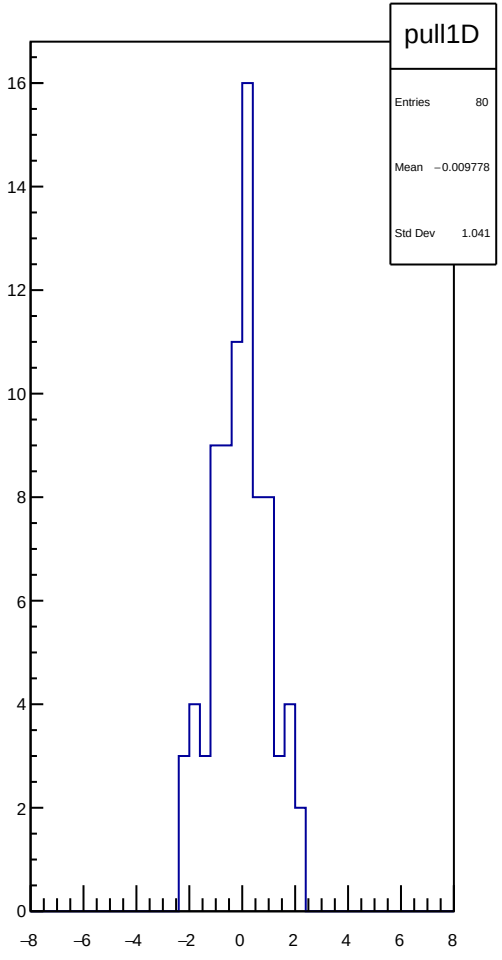

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 198.6 / 79
p0 −20.16 ± 0.07256
pull
Entries 80
Mean 1851
Std Dev 1867

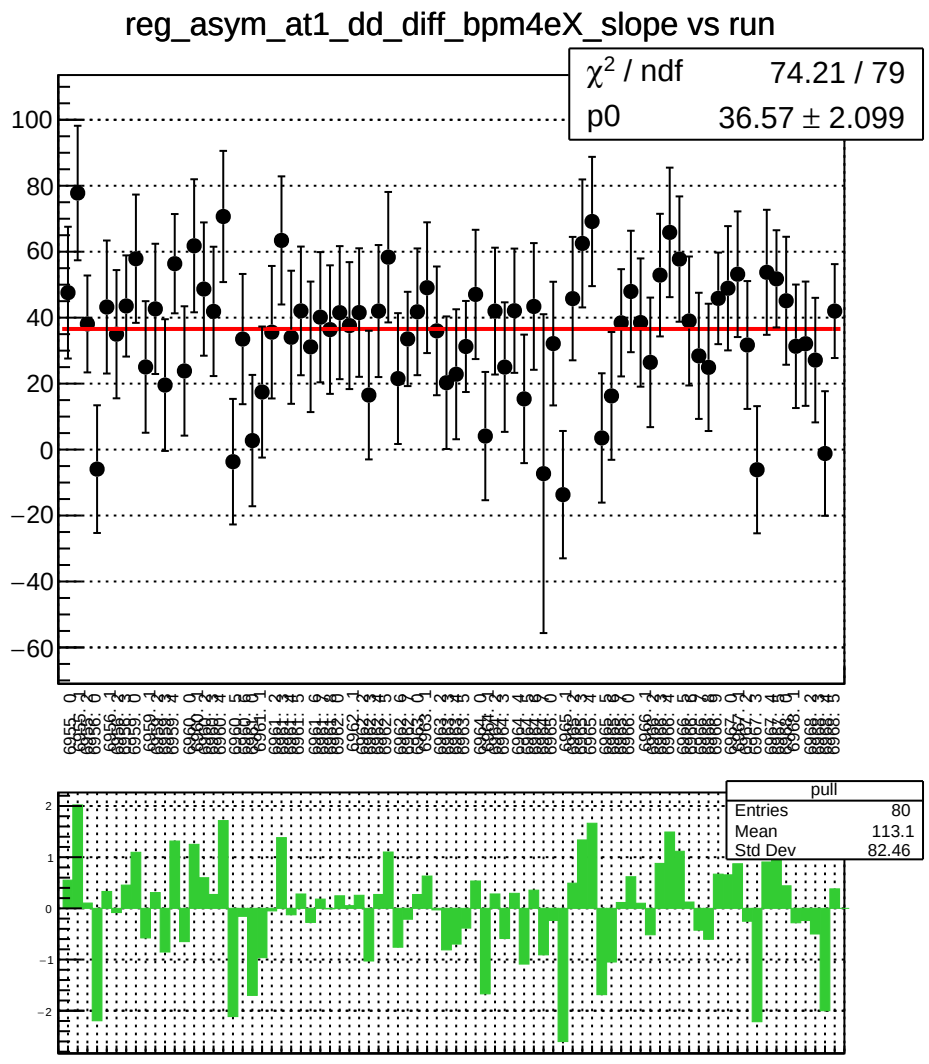

pull1D
Entries 80
Mean −0.0009834
Std Dev 1.576

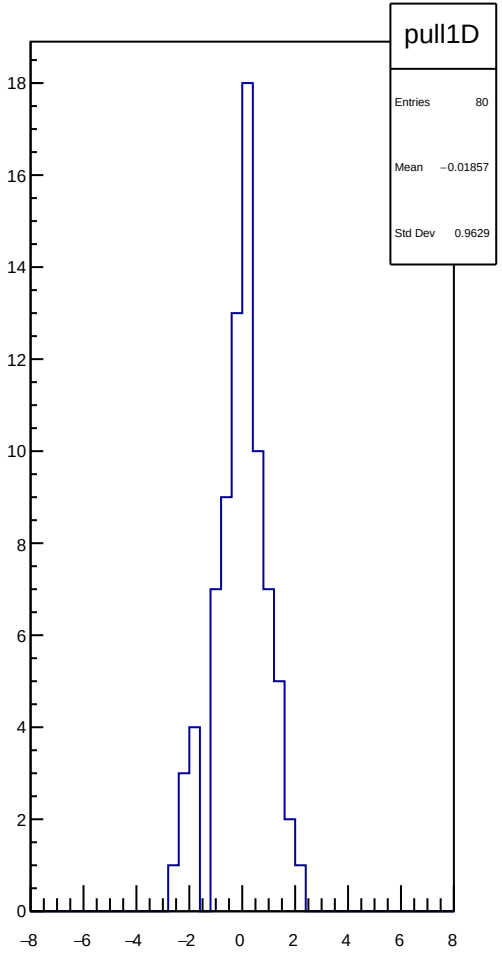

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 73.89 / 79
p0 11.26 ± 2.267
pull
Entries 80
Mean 123.7
Std Dev 89.64

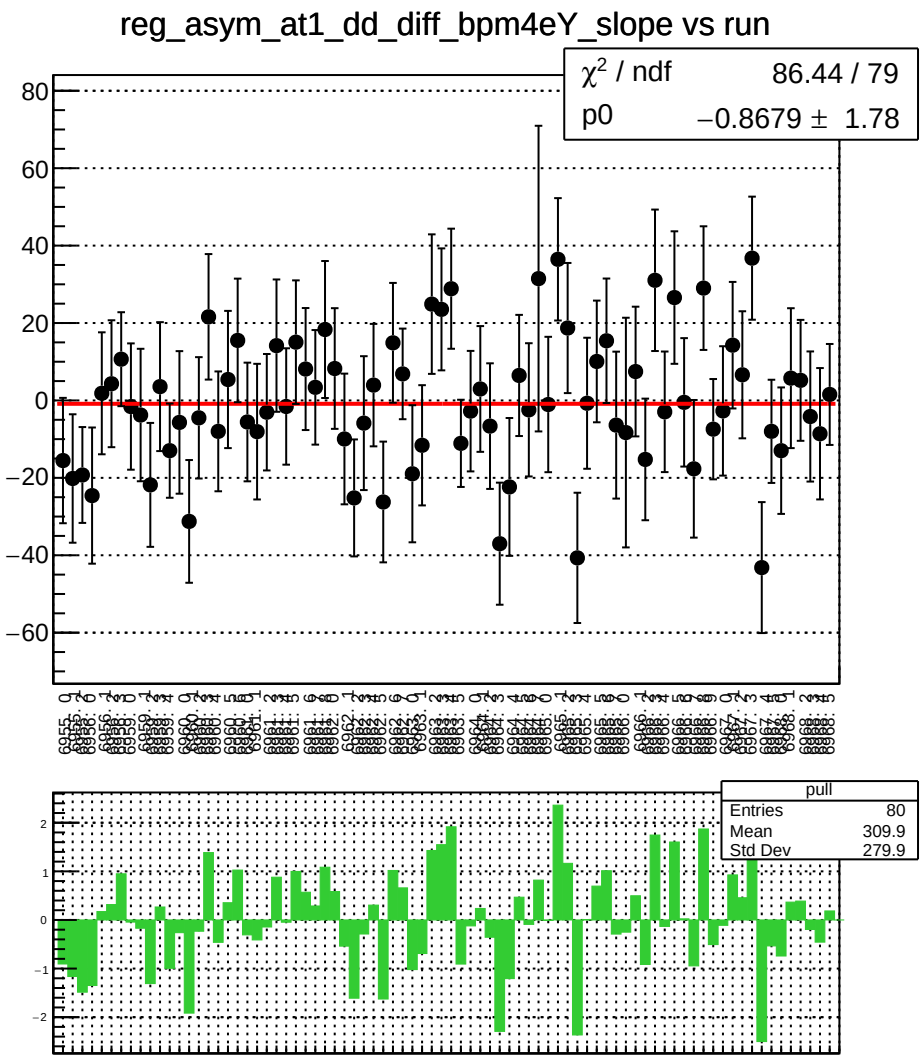

pull1D
Entries 80
Mean 0.01945
Std Dev 0.9609

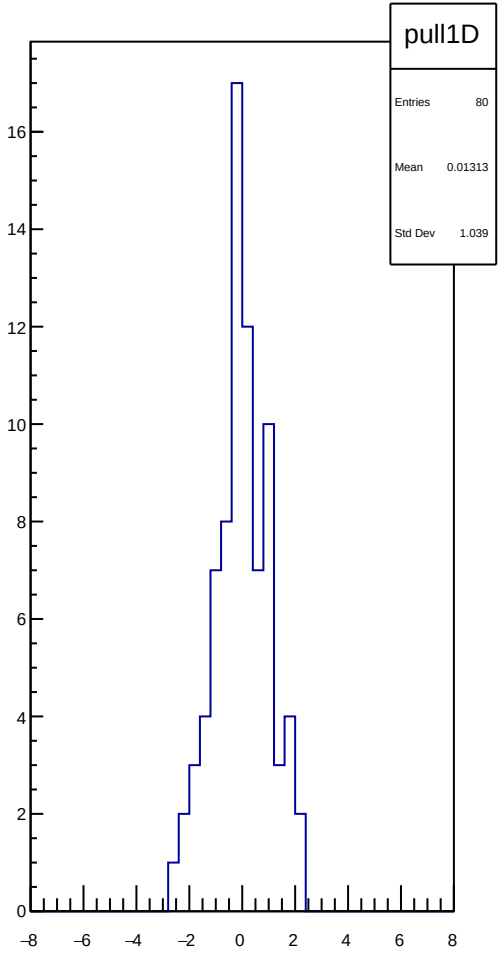

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.73 / 79
p0 1.46 ± 1.567
pull
Entries 80
Mean 397
Std Dev 366.7

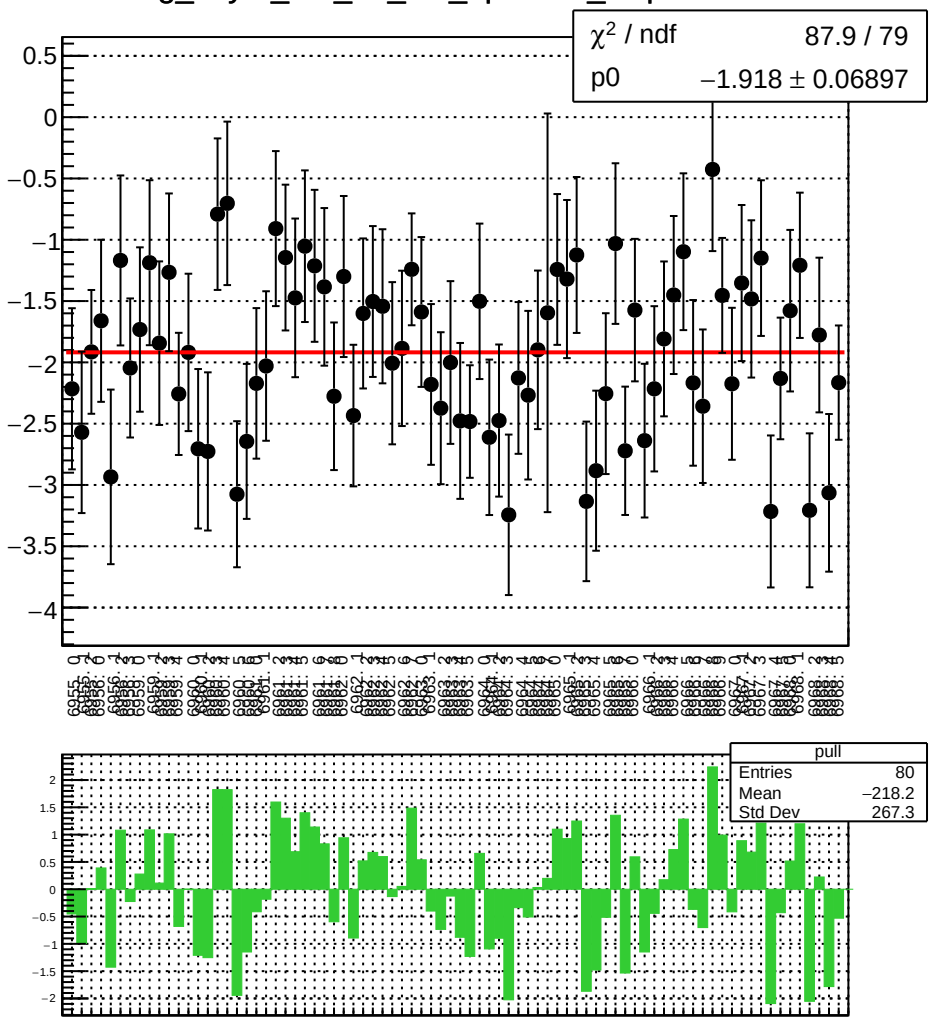

pull1D
Entries 80
Mean −0.009778
Std Dev 1.041

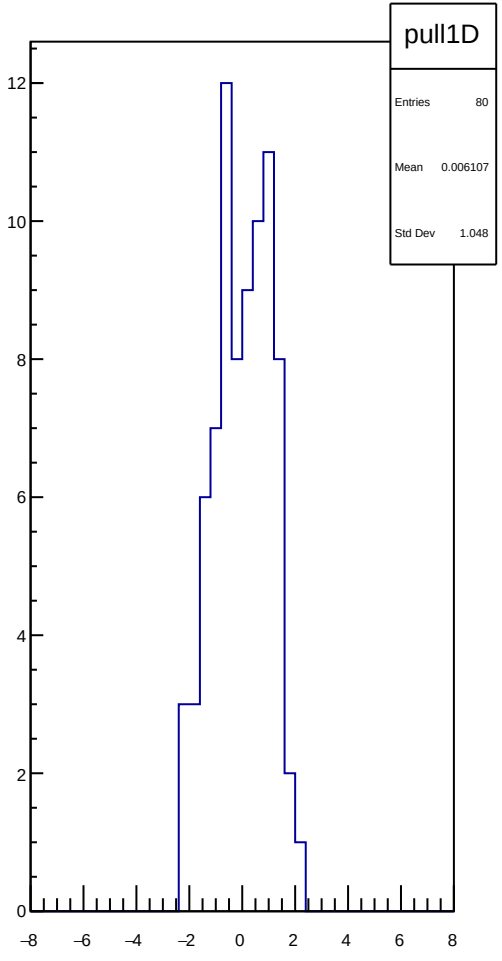

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.21 / 79
p0 36.57 ± 2.099
pull
Entries 80
Mean 113.1
Std Dev 82.46

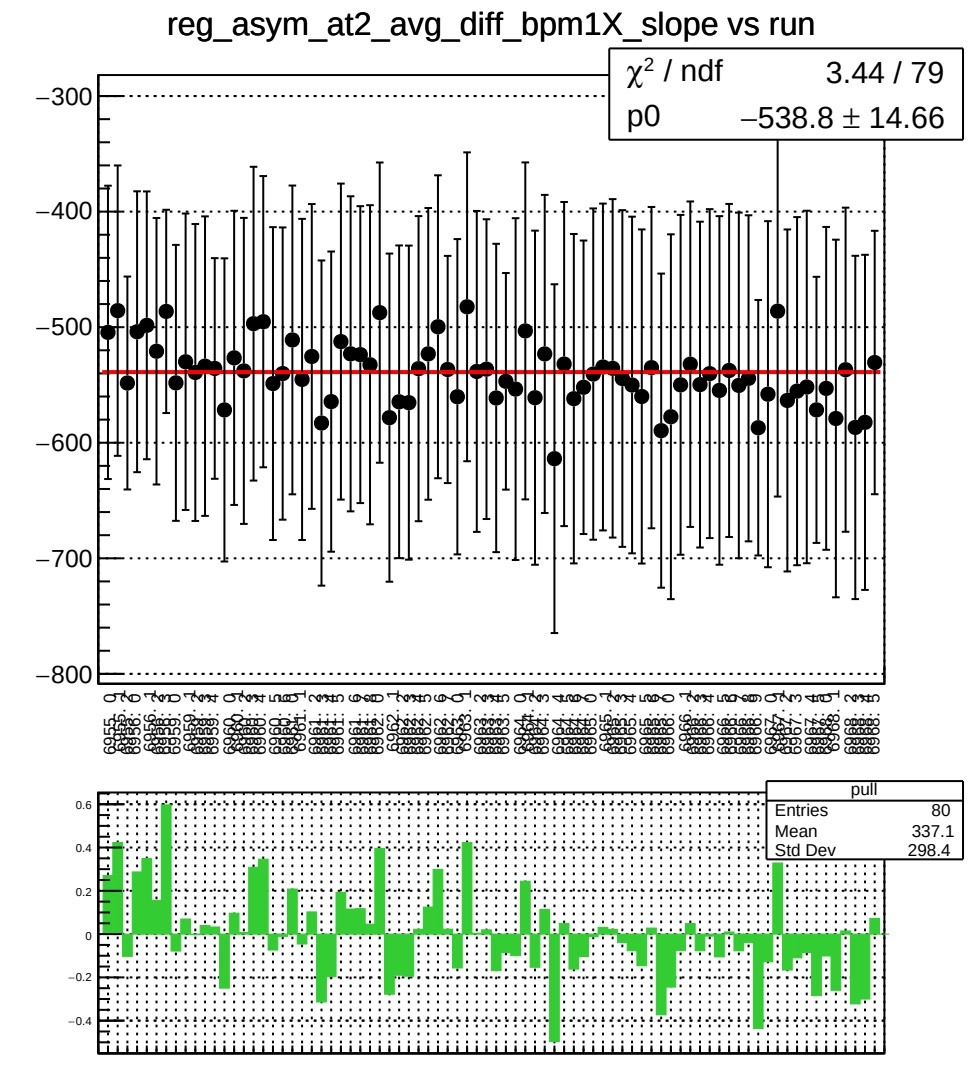

pull1D
Entries 80
Mean −0.01857
Std Dev 0.9629

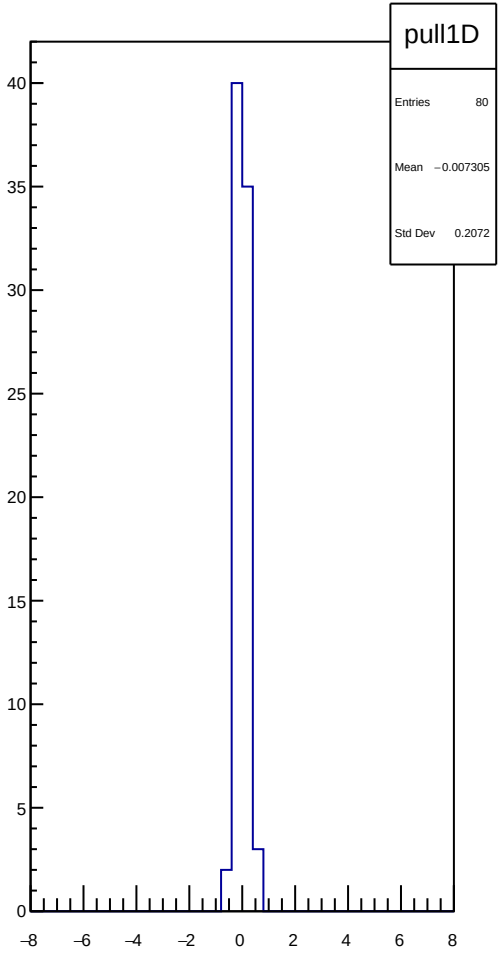

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 86.44 / 79
p0 −0.8679 ± 1.78
pull
Entries 80
Mean 309.9
Std Dev 279.9

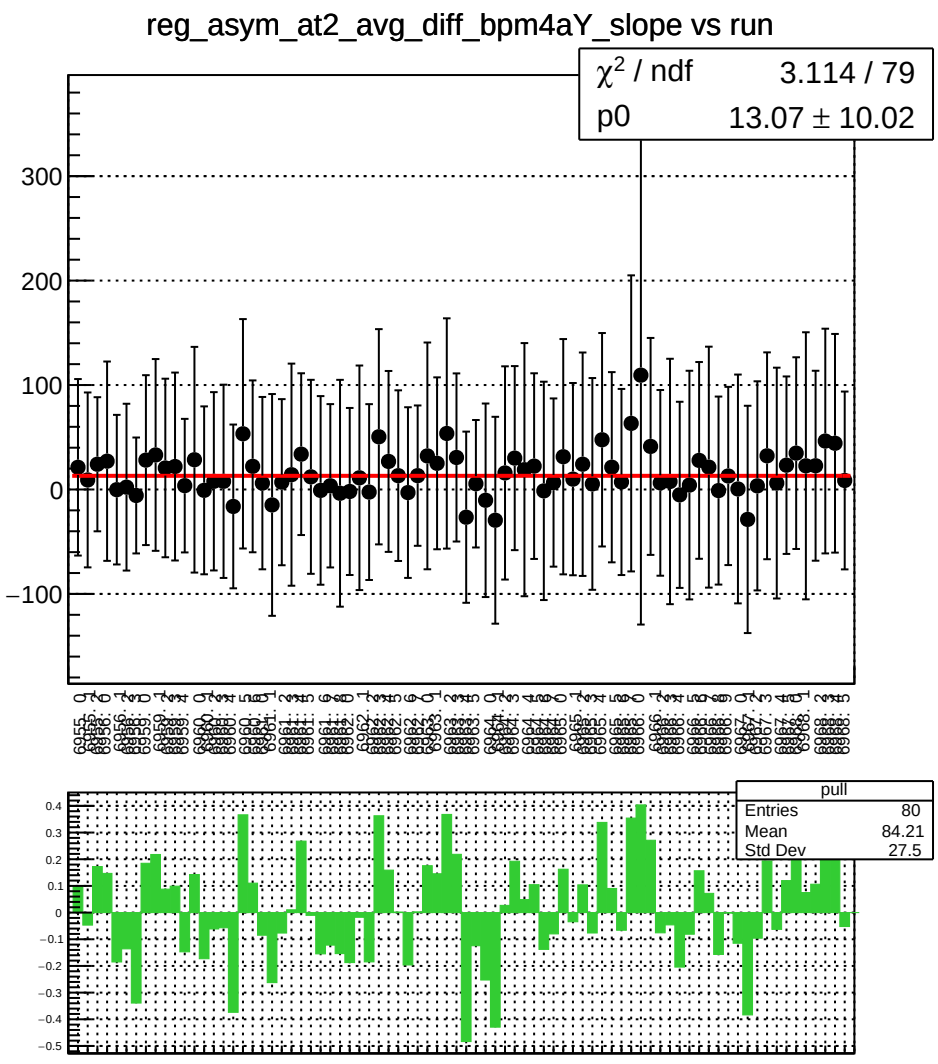

pull1D
Entries 80
Mean 0.01313
Std Dev 1.039

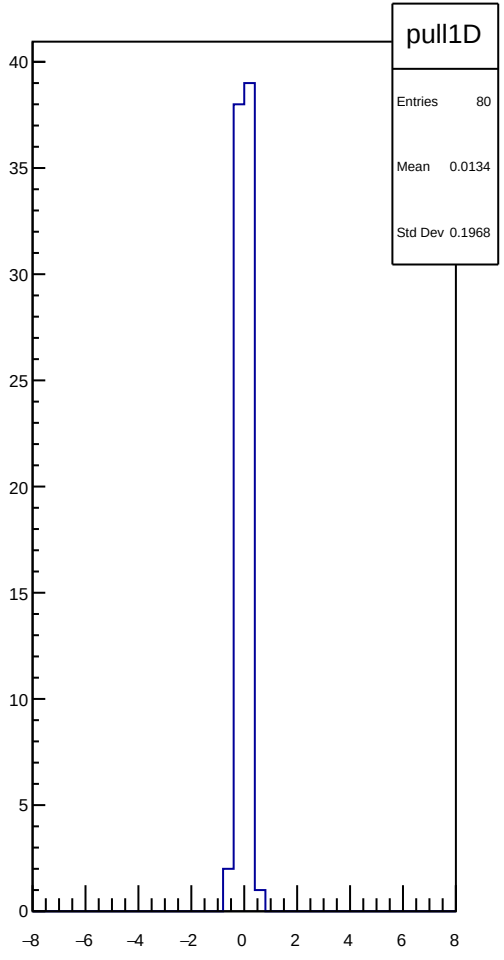

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.9 / 79
p0 −1.918 ± 0.06897
pull
Entries 80
Mean −218.2
Std Dev 267.3

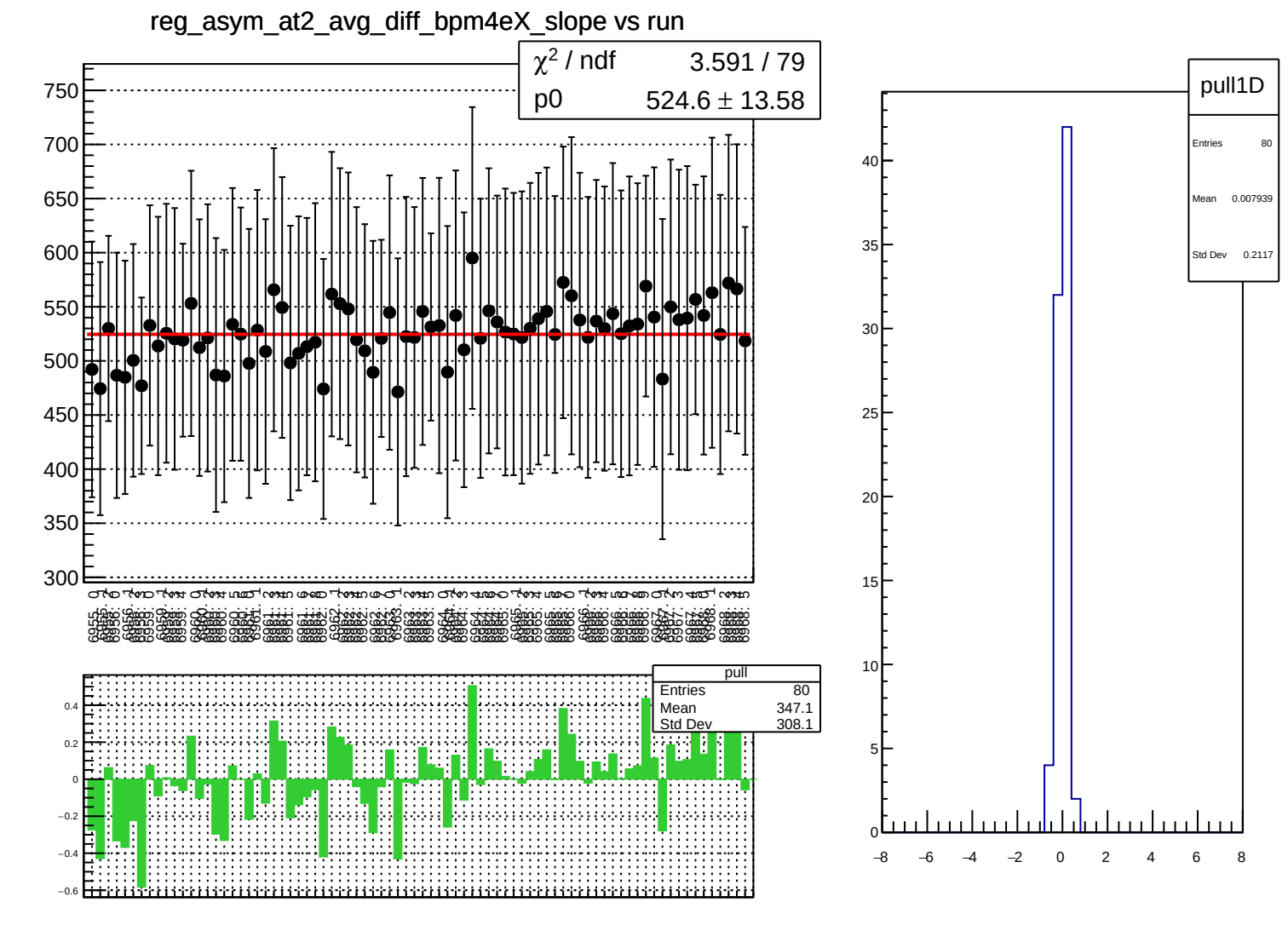

pull1D
Entries 80
Mean 0.006107
Std Dev 1.048

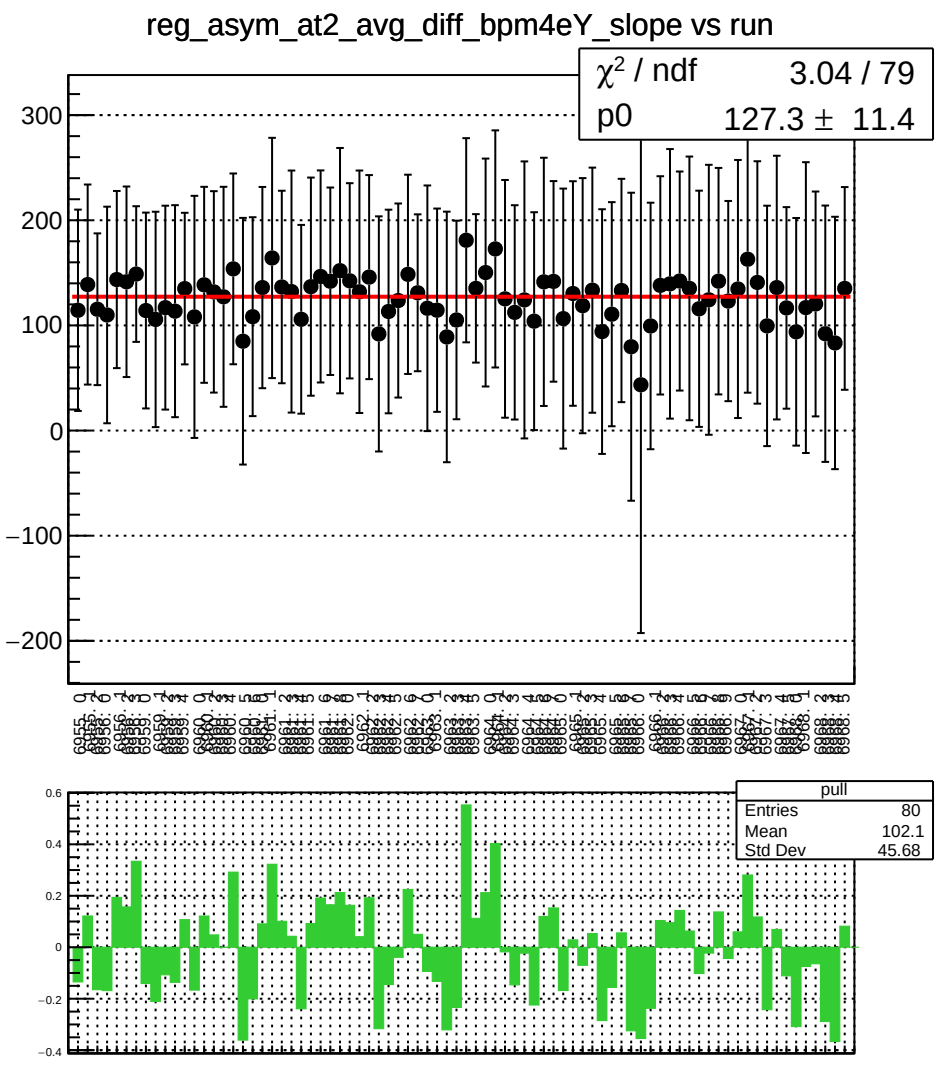

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 3.44 / 79
p0 −538.8 ± 14.66
pull
Entries 80
Mean 337.1
Std Dev 298.4

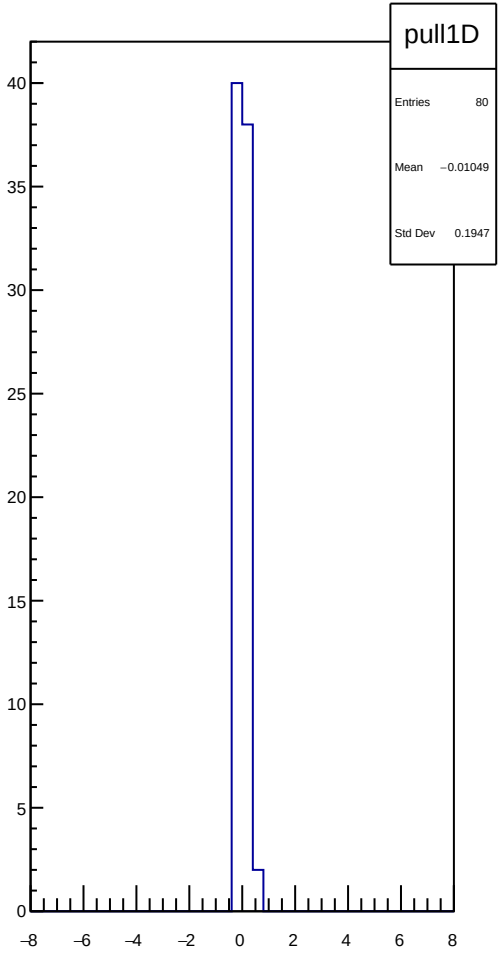

pull1D
Entries 80
Mean −0.007305
Std Dev 0.2072

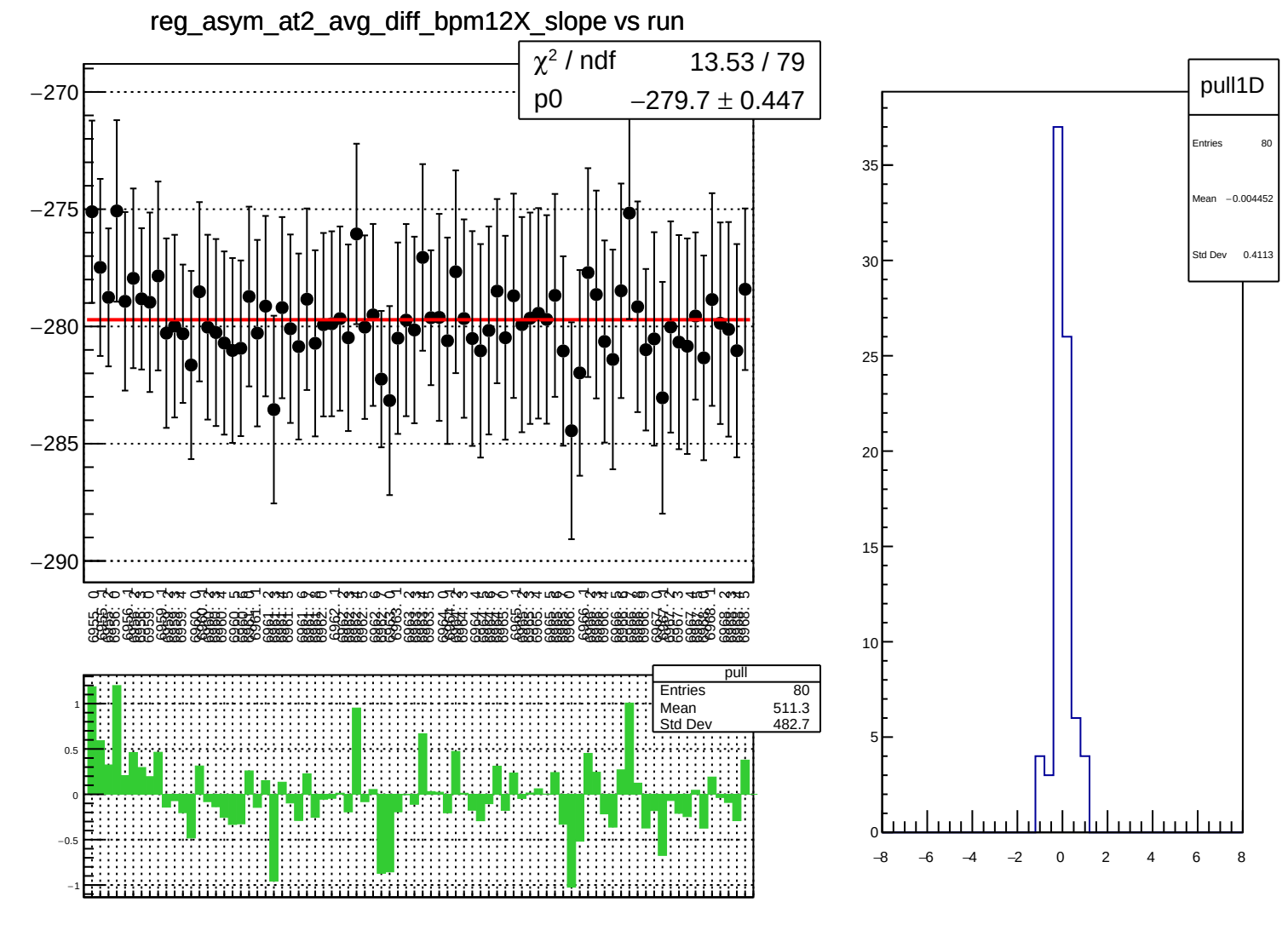

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.114 / 79
p0 13.07 ± 10.02
300
200
100
0
−100
pull
Entries 80
Mean 84.21
Std Dev 27.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

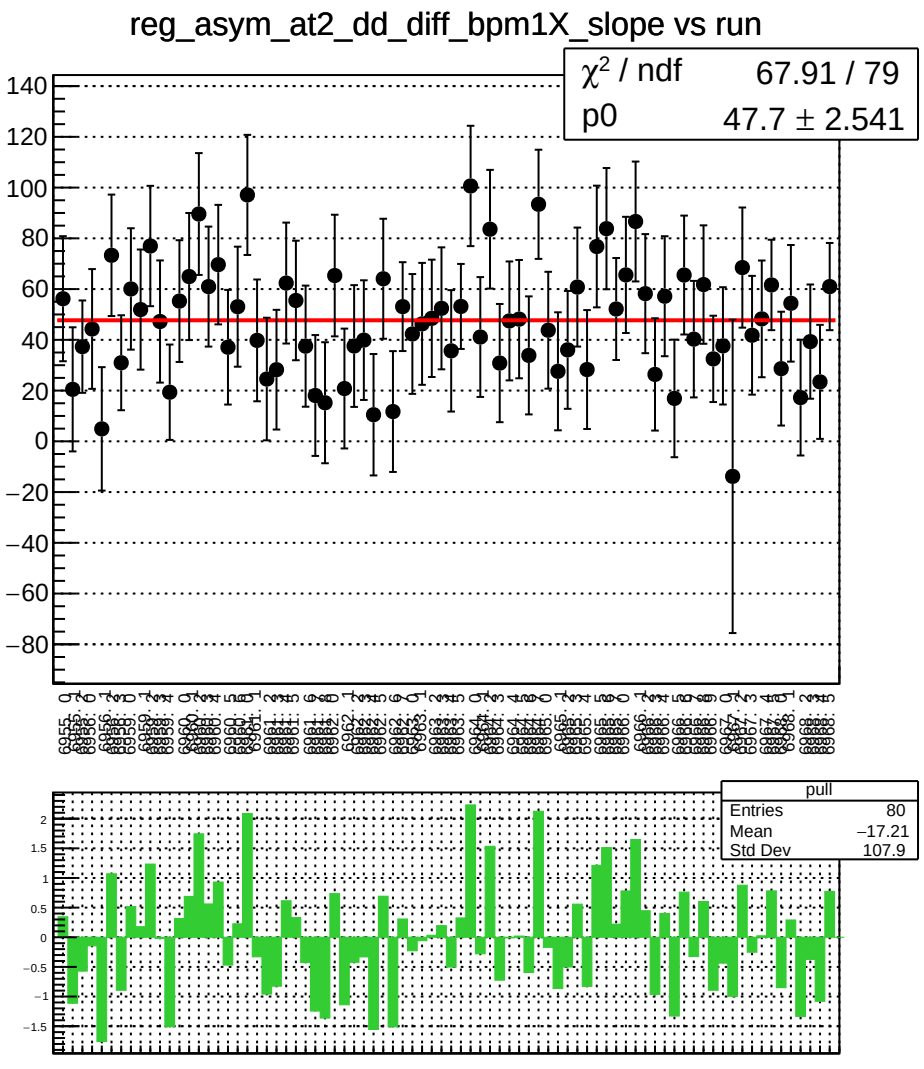

pull1D
Entries 80
Mean 0.0134
Std Dev 0.1968
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

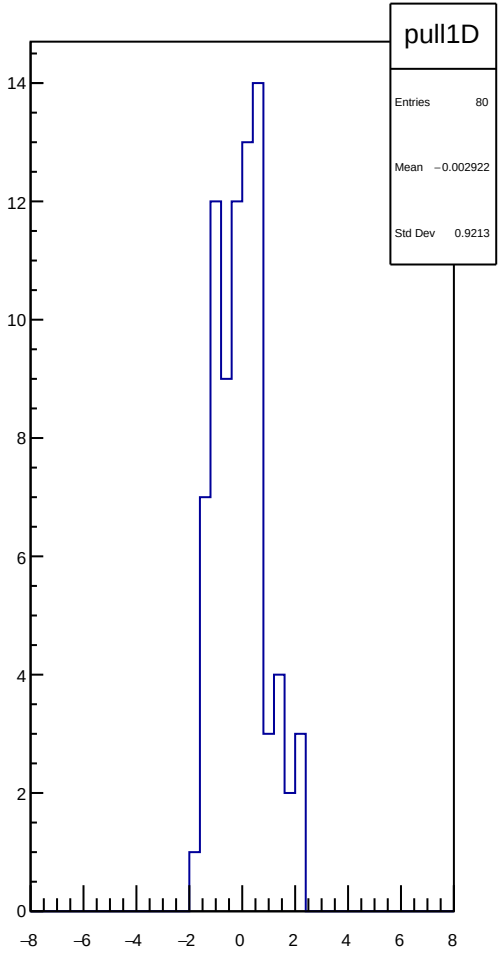

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.591 / 79
p0 524.6 ± 13.58
pull
Entries 80
Mean 347.1
Std Dev 308.1
pull1D
Entries 80
Mean 0.007939
Std Dev 0.2117

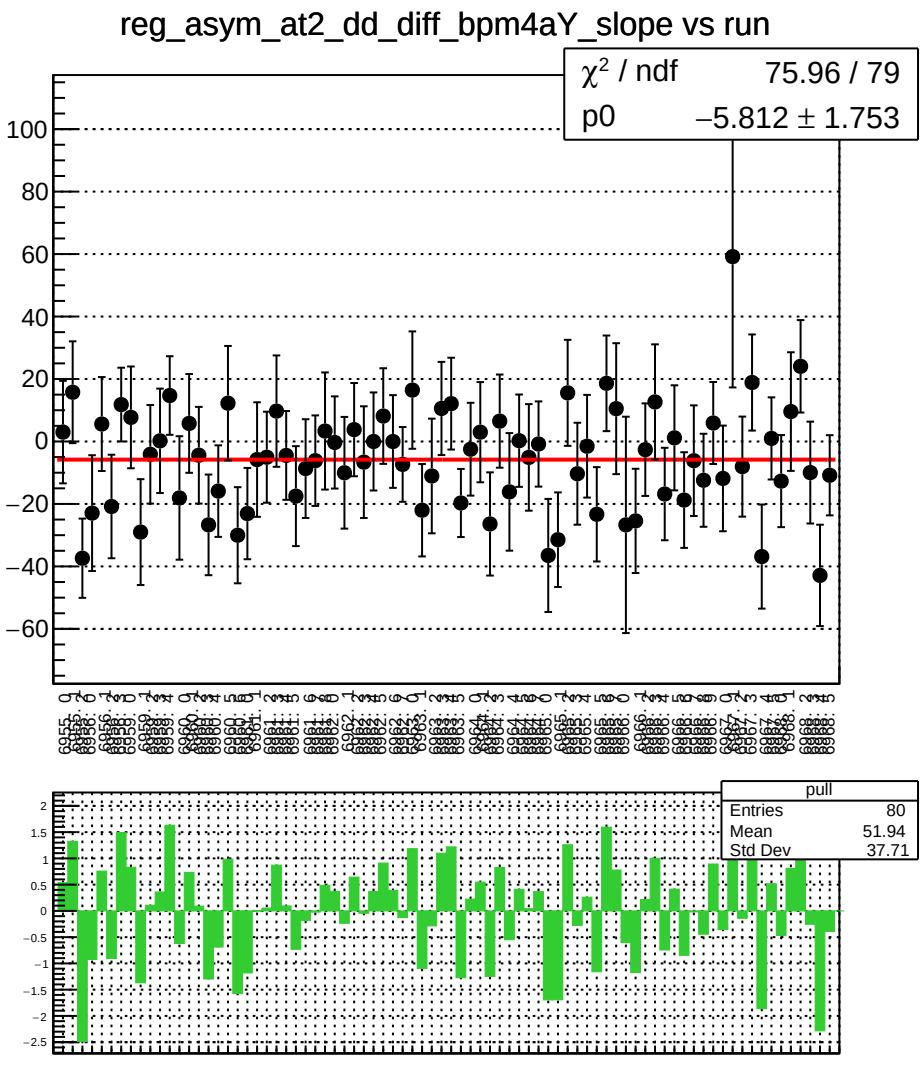

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.04 / 79
p0 127.3 ± 11.4
pull
Entries 80
Mean 102.1
Std Dev 45.68

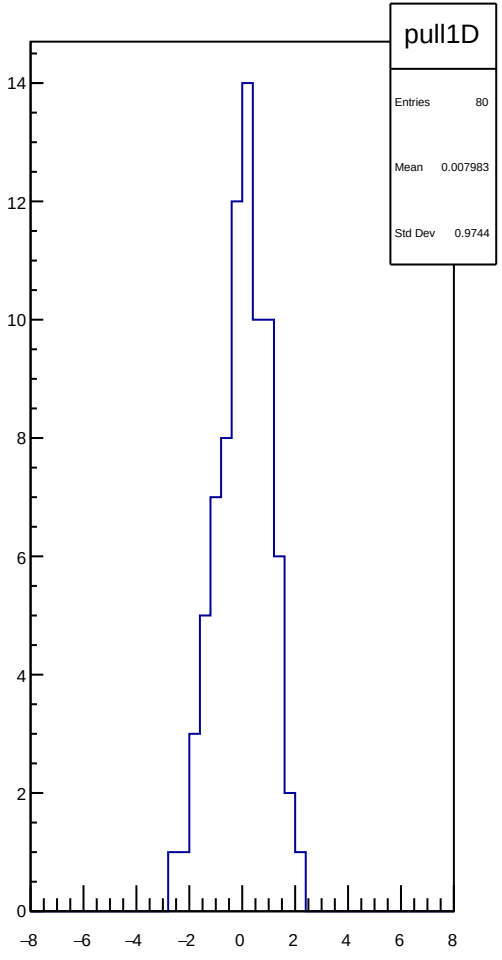

pull1D
Entries 80
Mean −0.01049
Std Dev 0.1947

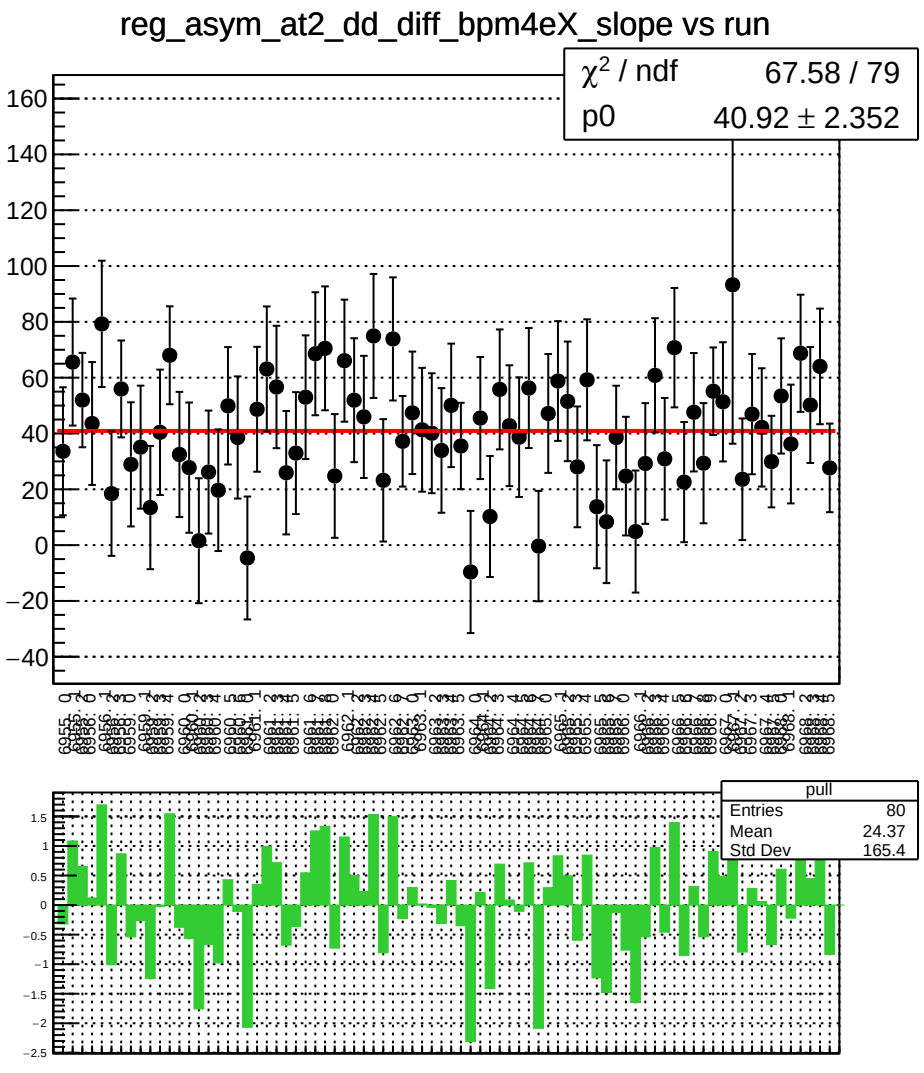

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 13.53 / 79
p0 −279.7 ± 0.447
−270
−275
−280
−285
−290
pull
Entries 80
Mean 511.3
Std Dev 482.7
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.004452
Std Dev 0.4113
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

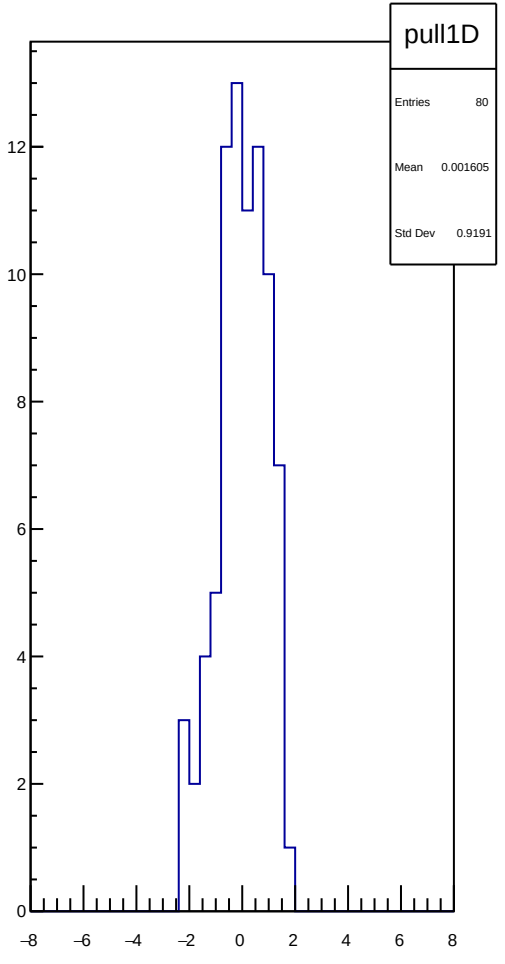

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 67.91 / 79
p0 47.7 ± 2.541
pull
Entries 80
Mean −17.21
Std Dev 107.9

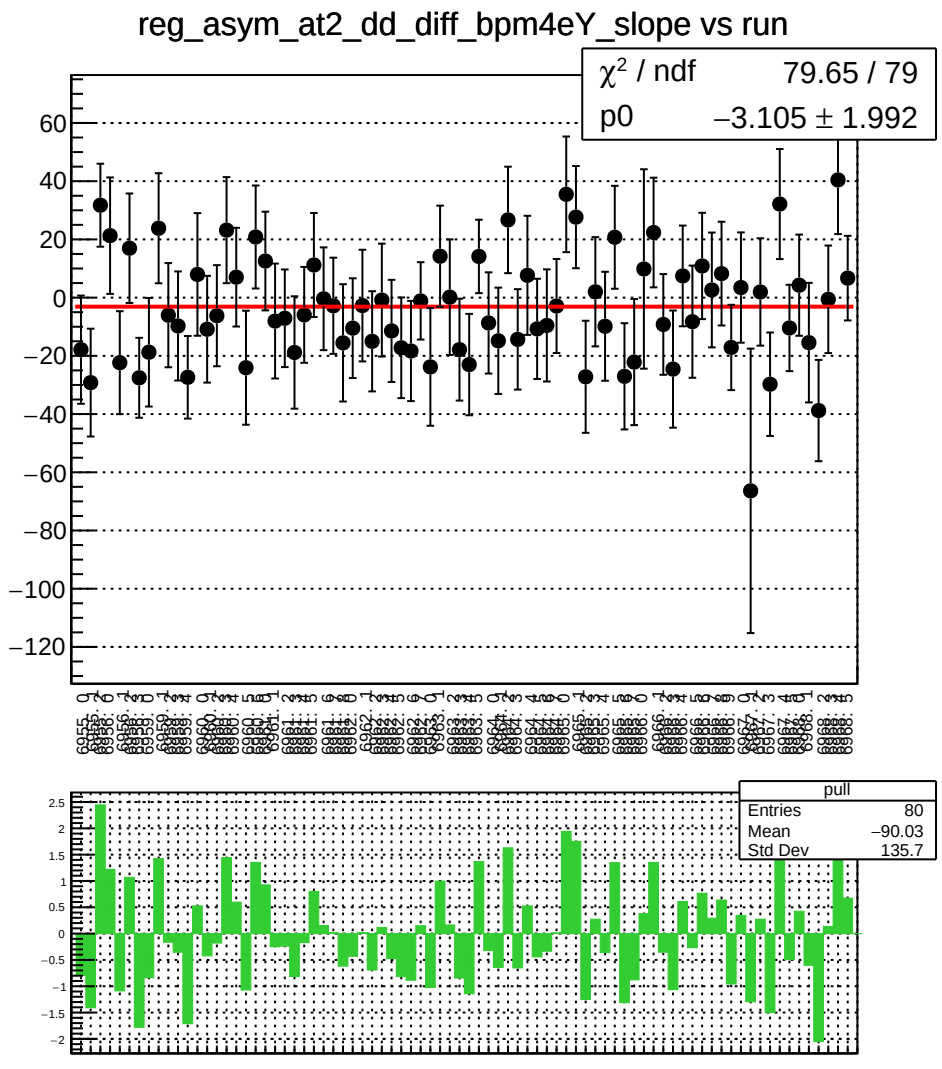

pull1D
Entries 80
Mean −0.002922
Std Dev 0.9213

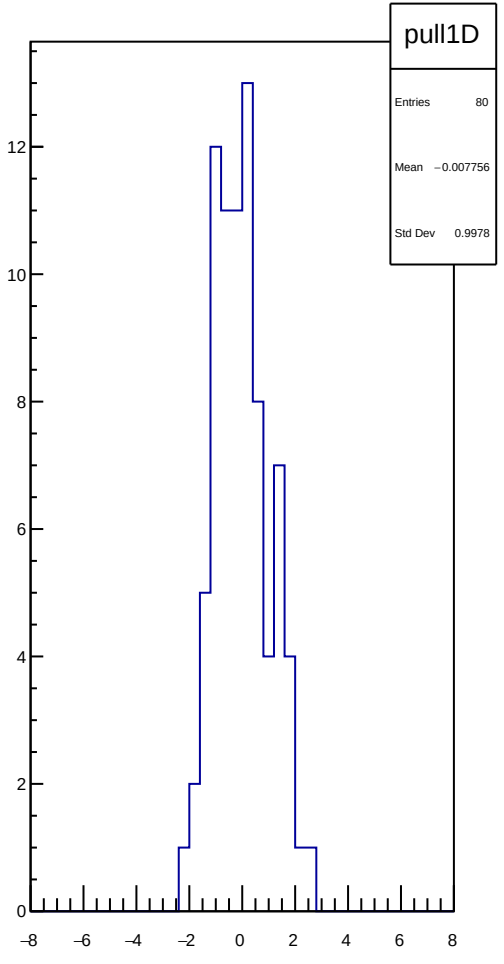

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.96 / 79
p0 −5.812 ± 1.753
pull
Entries 80
Mean 51.94
Std Dev 37.71

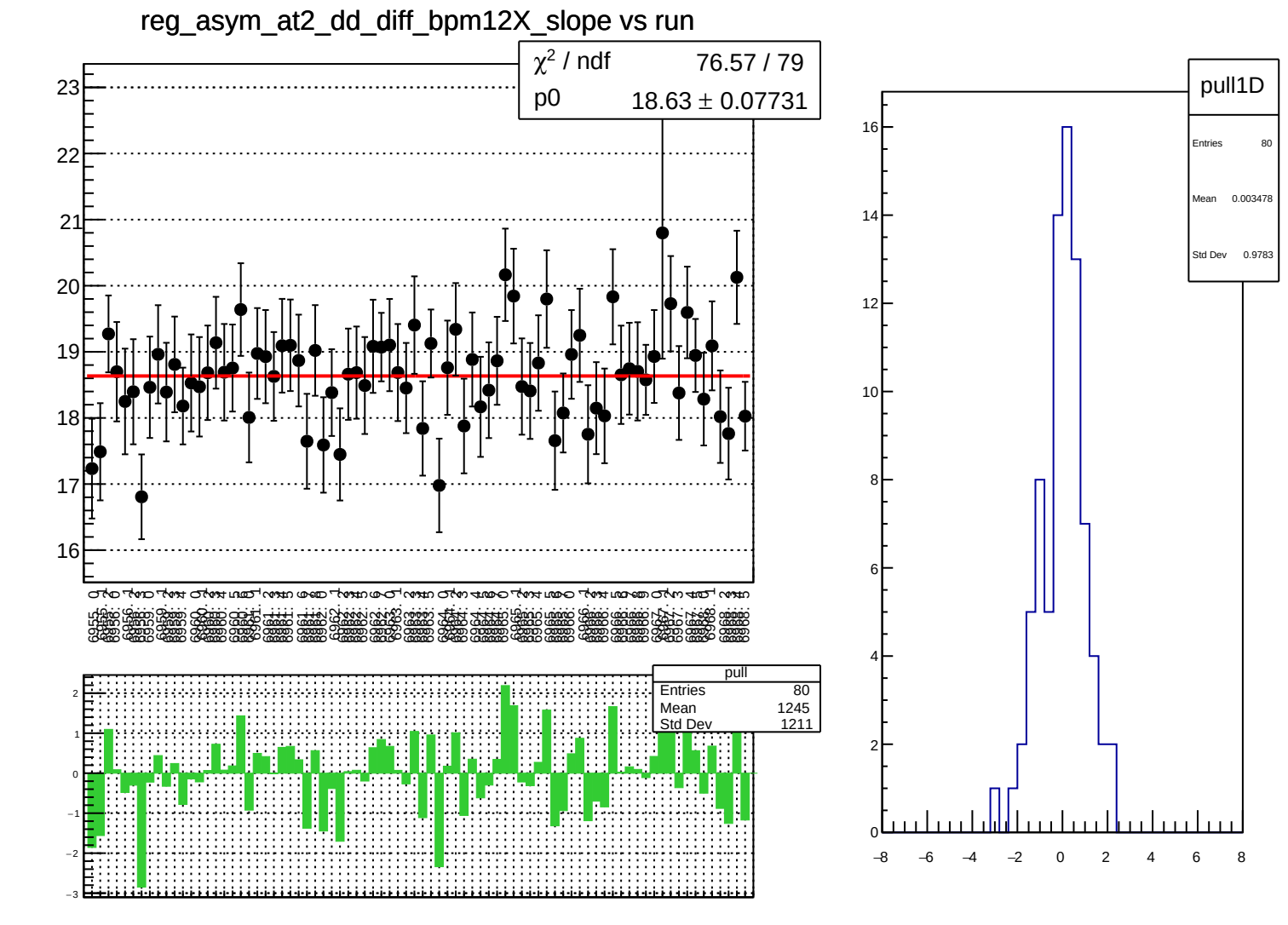

pull1D
Entries 80
Mean 0.007983
Std Dev 0.9744

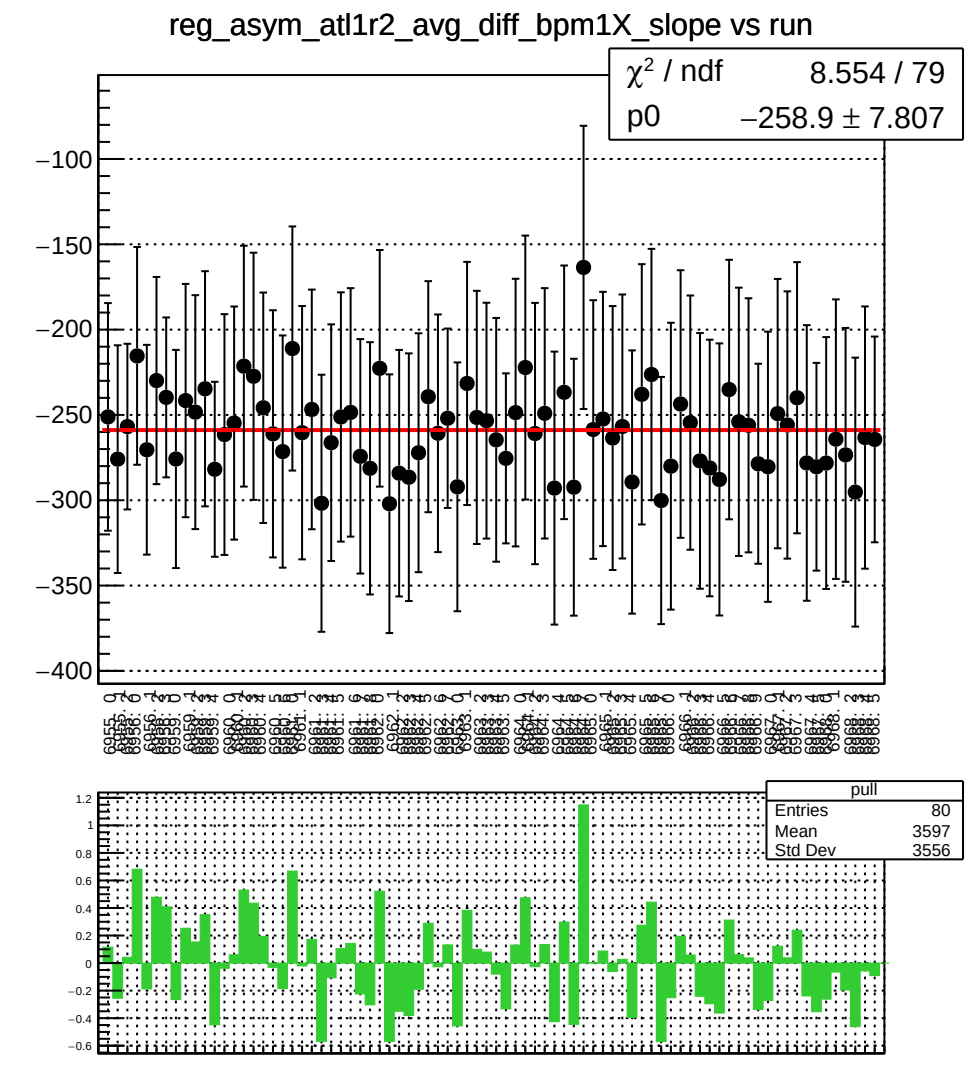

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.58 / 79
p0 40.92 ± 2.352
pull
Entries 80
Mean 24.37
Std Dev 165.4

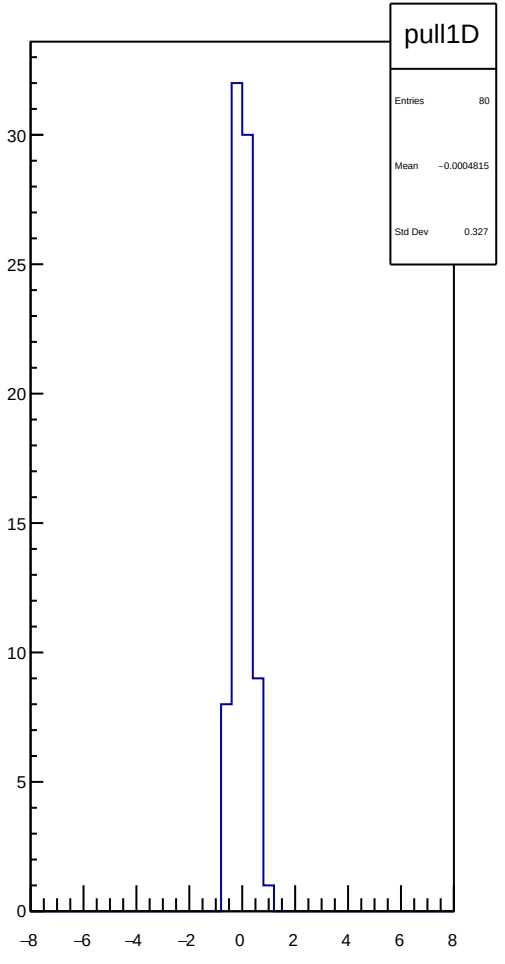

pull1D
Entries 80
Mean 0.001605
Std Dev 0.9191

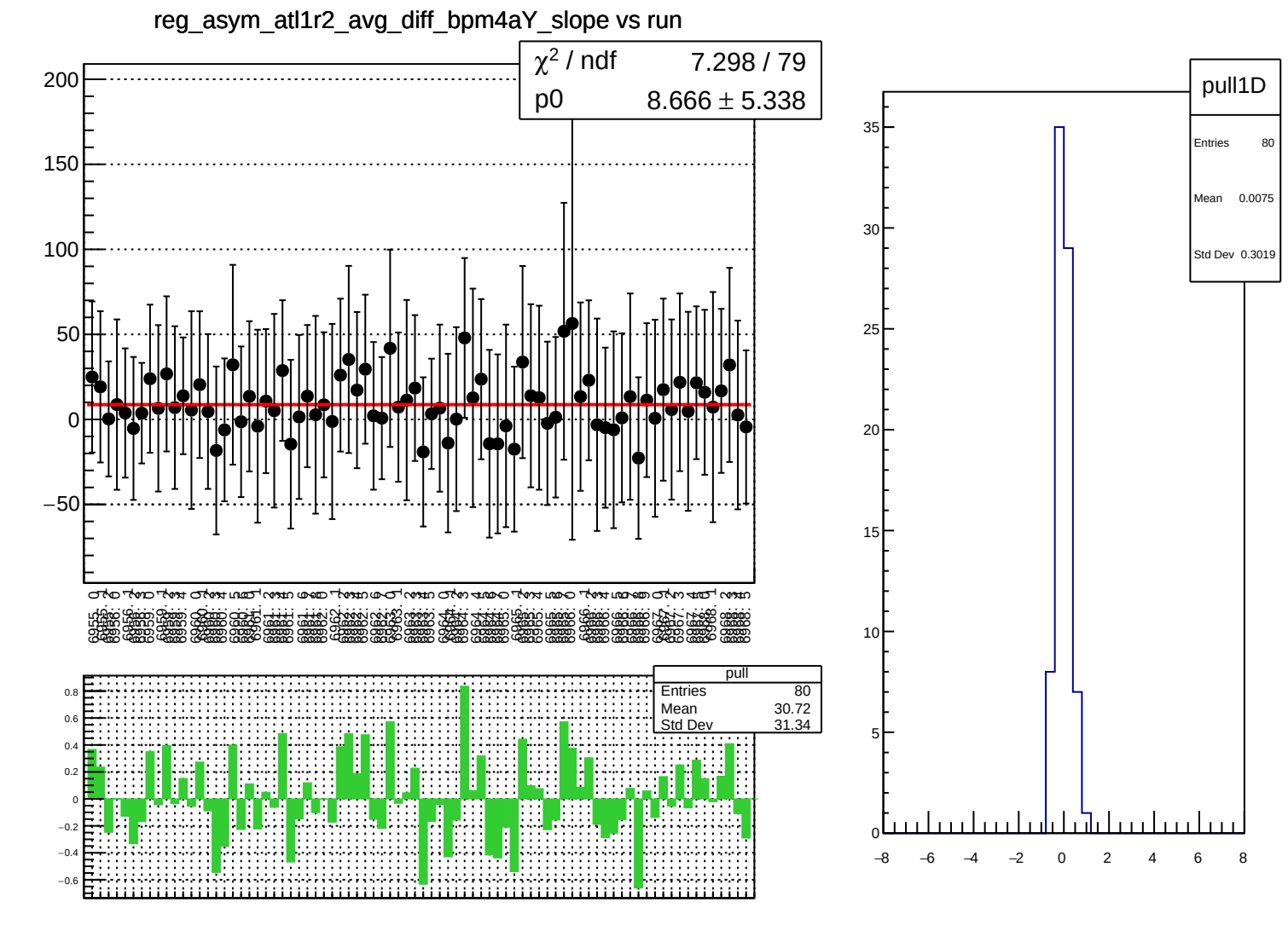

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.65 / 79
p0 −3.105 ± 1.992
pull
Entries 80
Mean −90.03
Std Dev 135.7

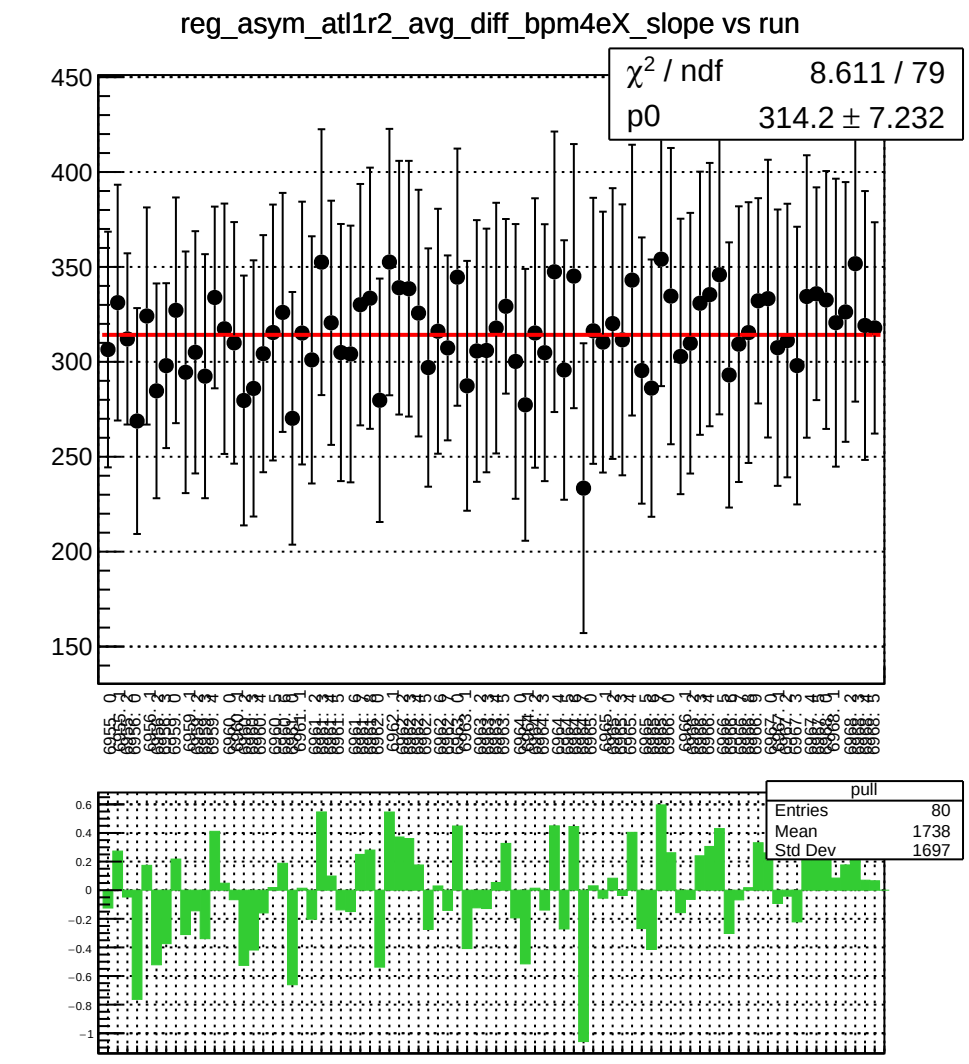

pull1D
Entries 80
Mean −0.007756
Std Dev 0.9978

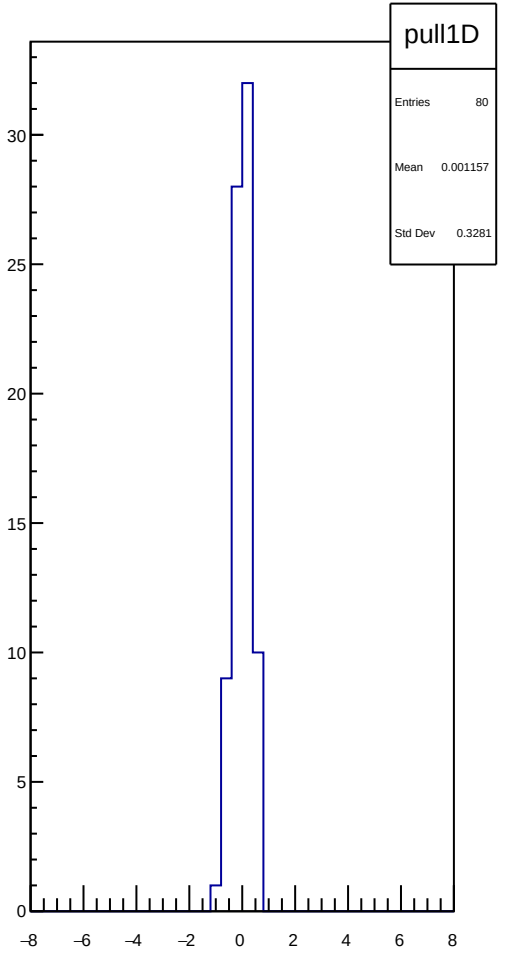

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 76.57 / 79
p0 18.63 ± 0.07731
pull
Entries 80
Mean 1245
Std Dev 1211
pull1D
Entries 80
Mean 0.003478
Std Dev 0.9783

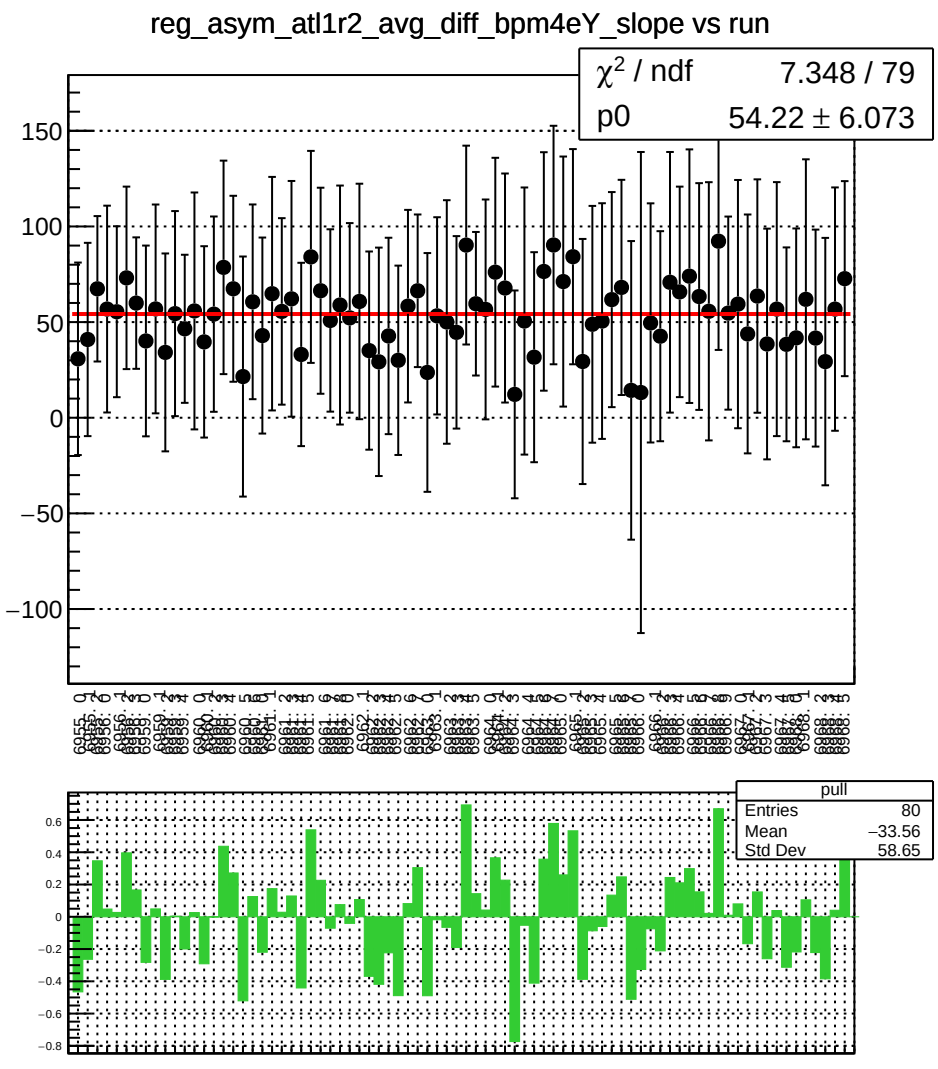

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.554 / 79
p0 −258.9 ± 7.807
pull
Entries 80
Mean 3597
Std Dev 3556

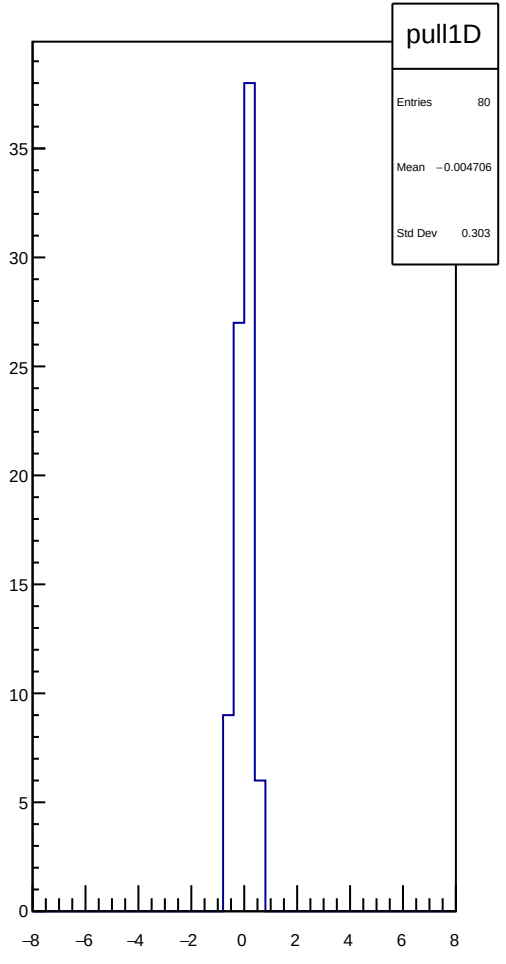

pull1D
Entries 80
Mean −0.0004815
Std Dev 0.327

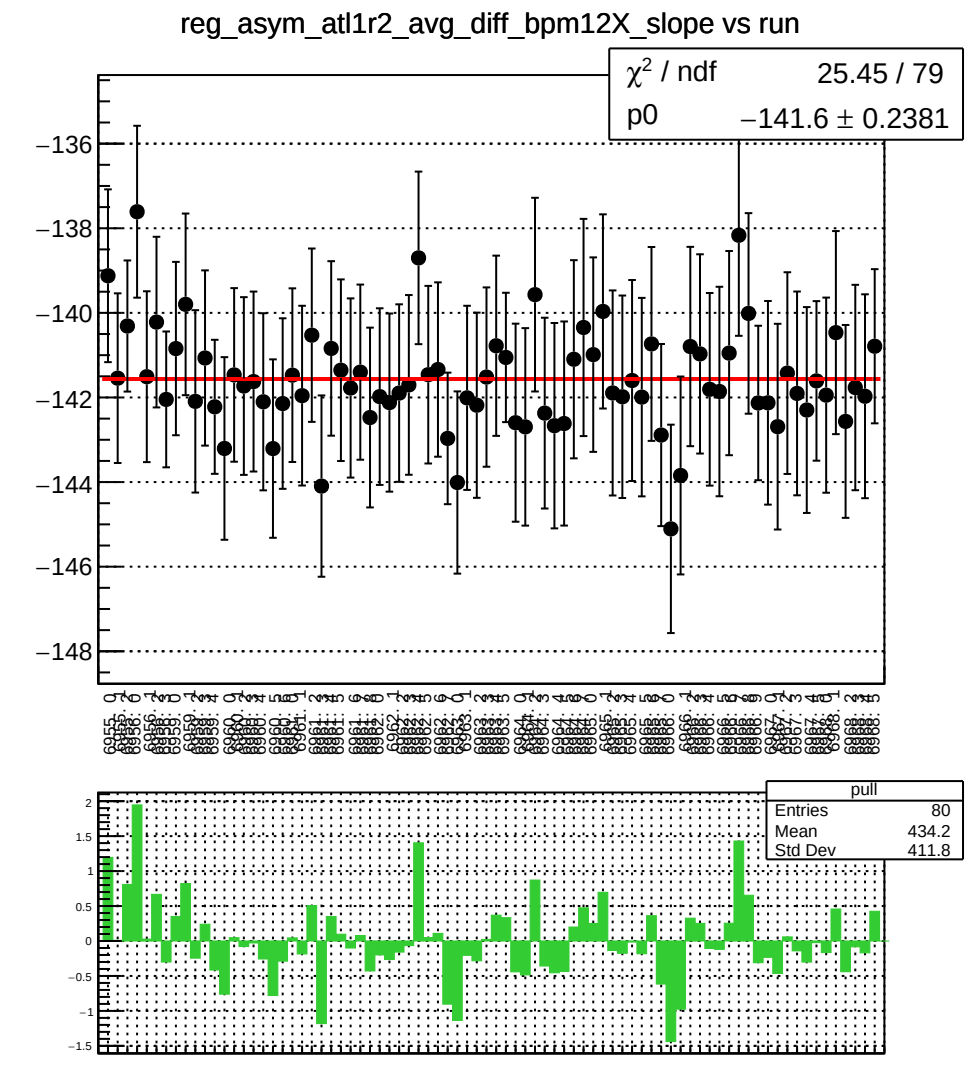

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.298 / 79
p0 8.666 ± 5.338
pull
Entries 80
Mean 30.72
Std Dev 31.34
pull1D
Entries 80
Mean 0.0075
Std Dev 0.3019

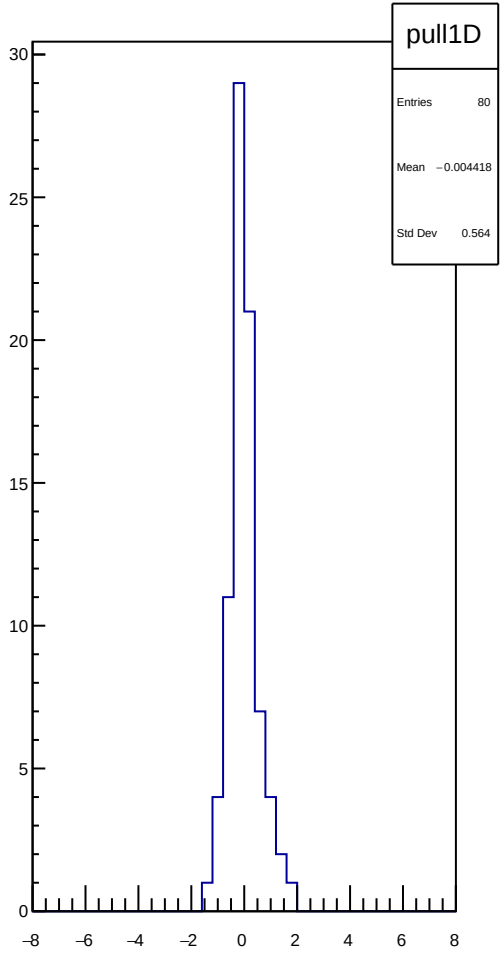

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.611 / 79
p0 314.2 ± 7.232
pull
Entries 80
Mean 1738
Std Dev 1697

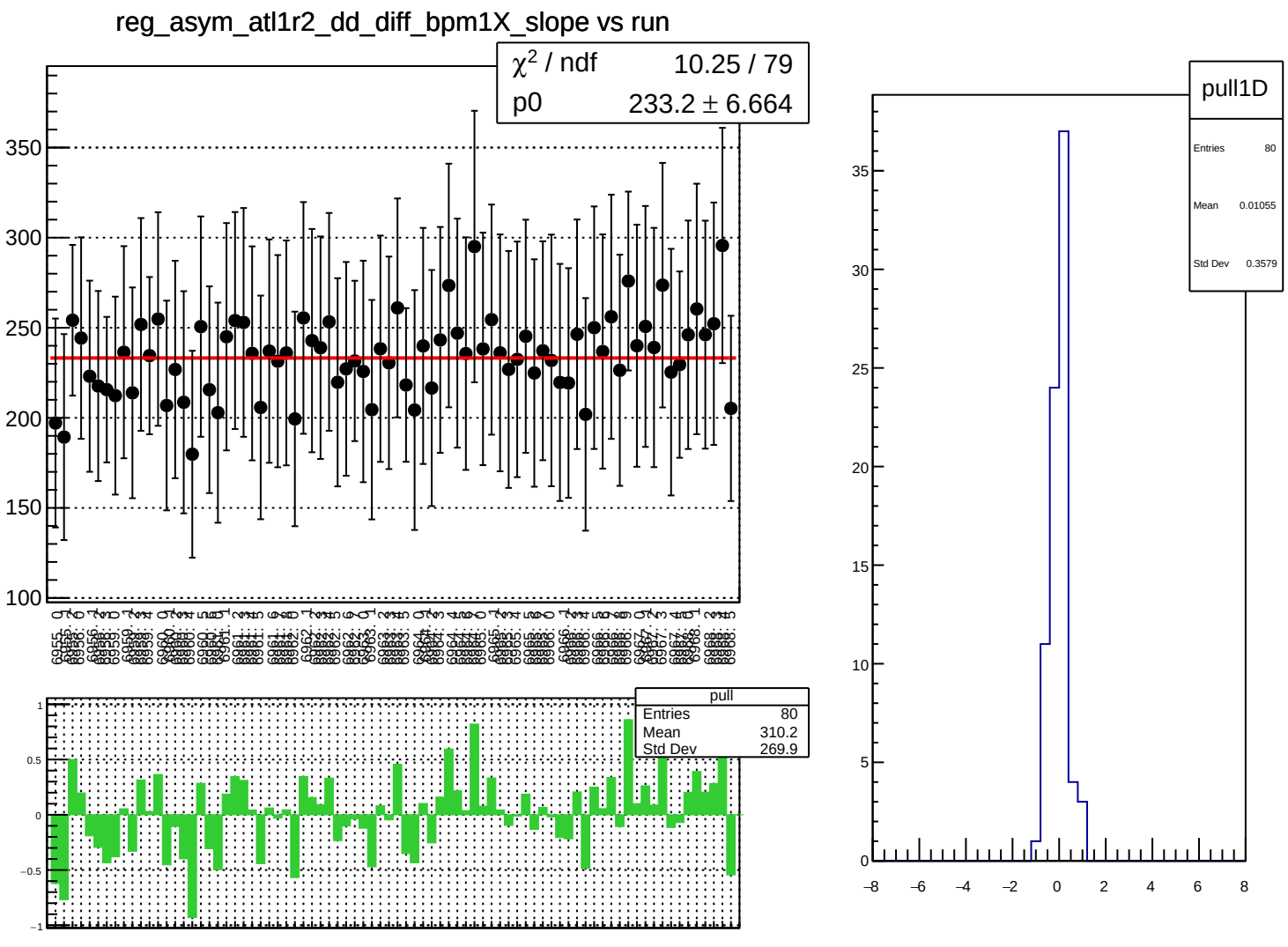

pull1D
Entries 80
Mean 0.001157
Std Dev 0.3281

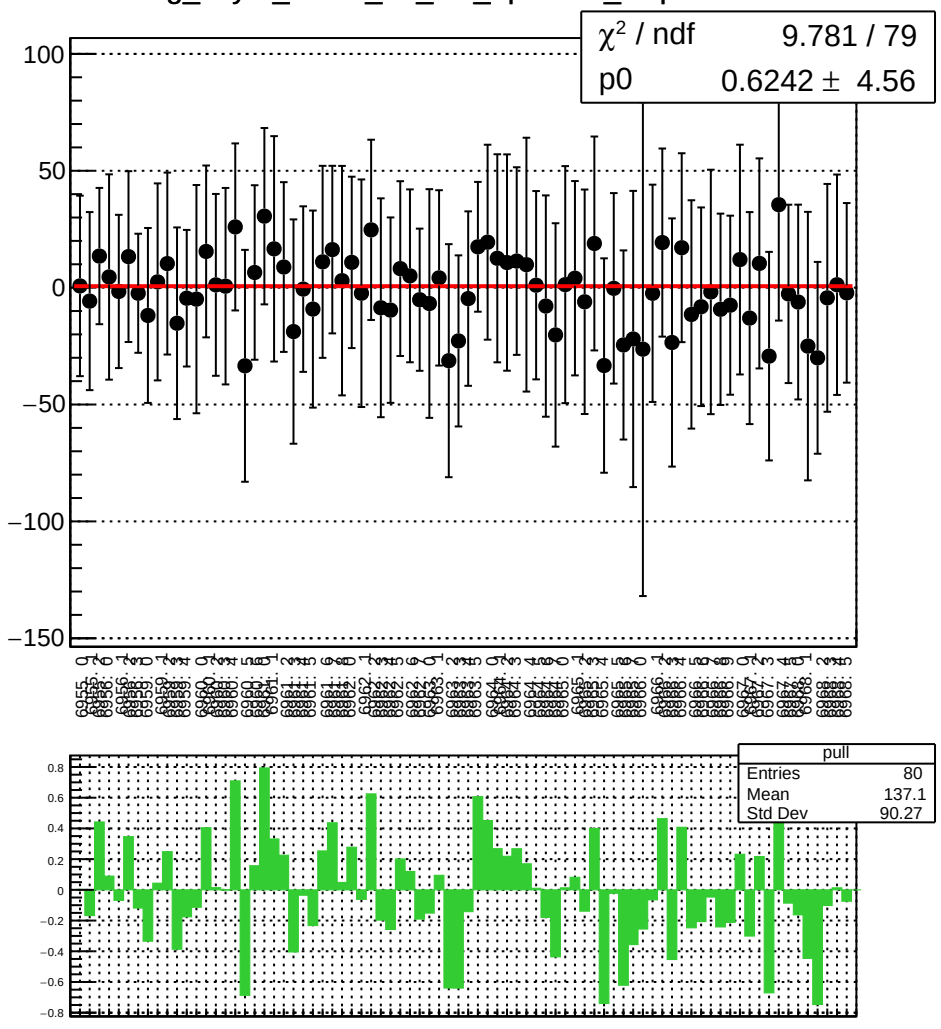

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.348 / 79
p0 54.22 ± 6.073
150
100
50
0
−50
−100
pull
Entries 80
Mean −33.56
Std Dev 58.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

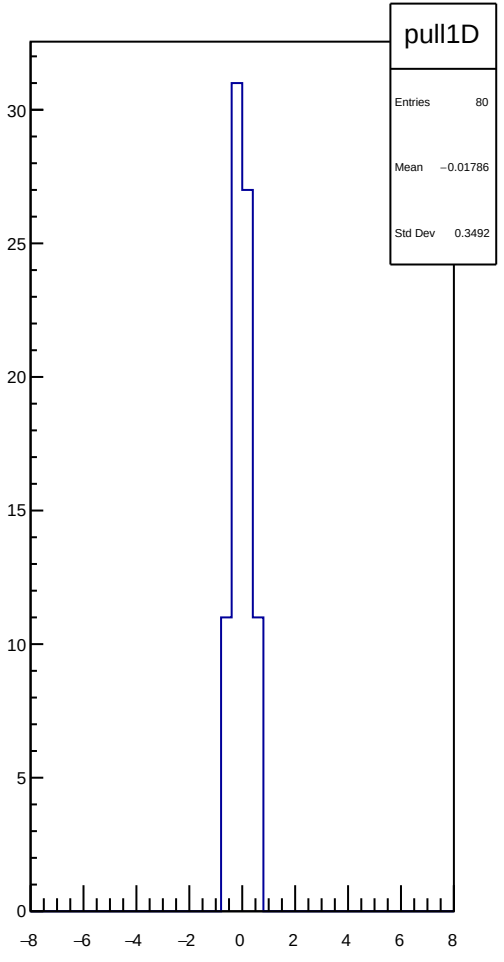

pull1D
Entries 80
Mean −0.004706
Std Dev 0.303
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

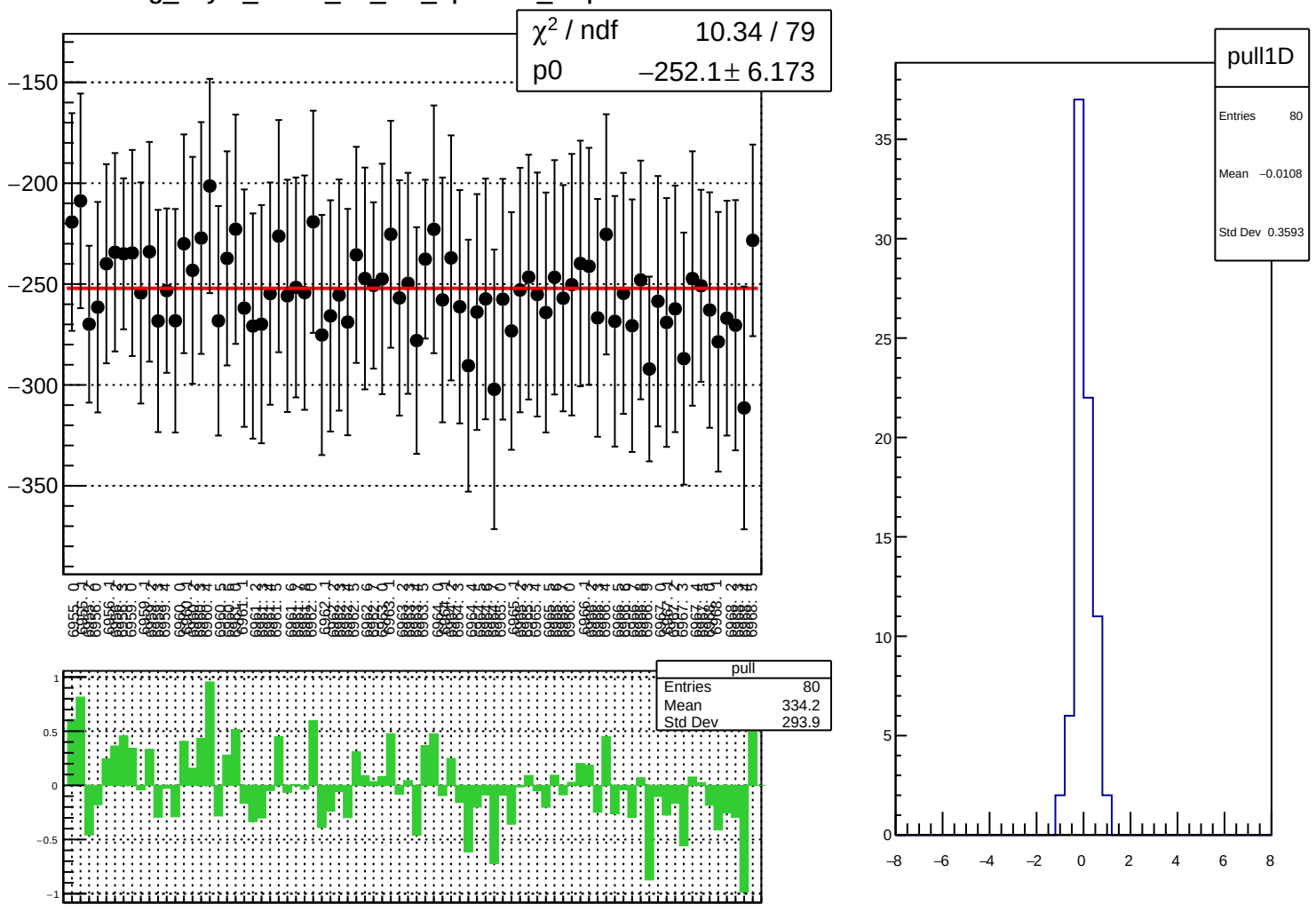

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 25.45 / 79
p0 −141.6 ± 0.2381
−136
−138
−140
−142
−144
−146
−148
pull
Entries 80
Mean 434.2
Std Dev 411.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

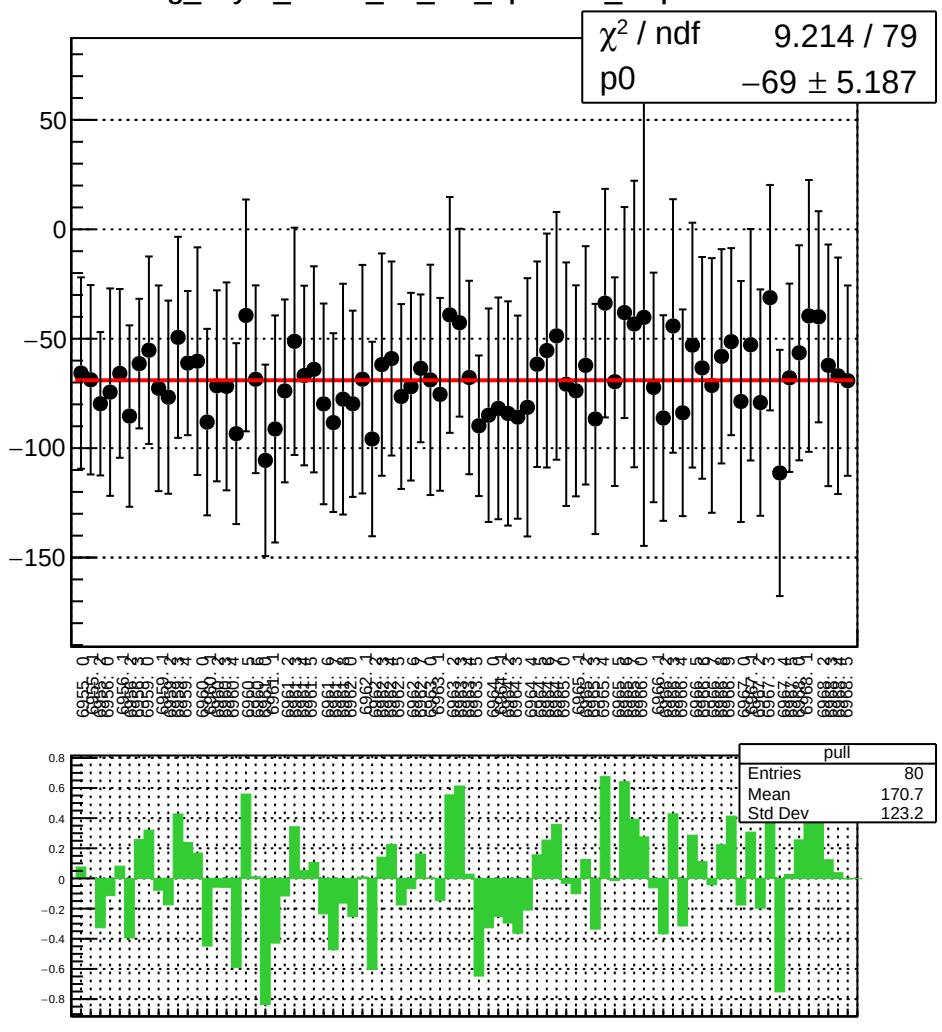

pull1D
Entries 80
Mean −0.004418
Std Dev 0.564
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

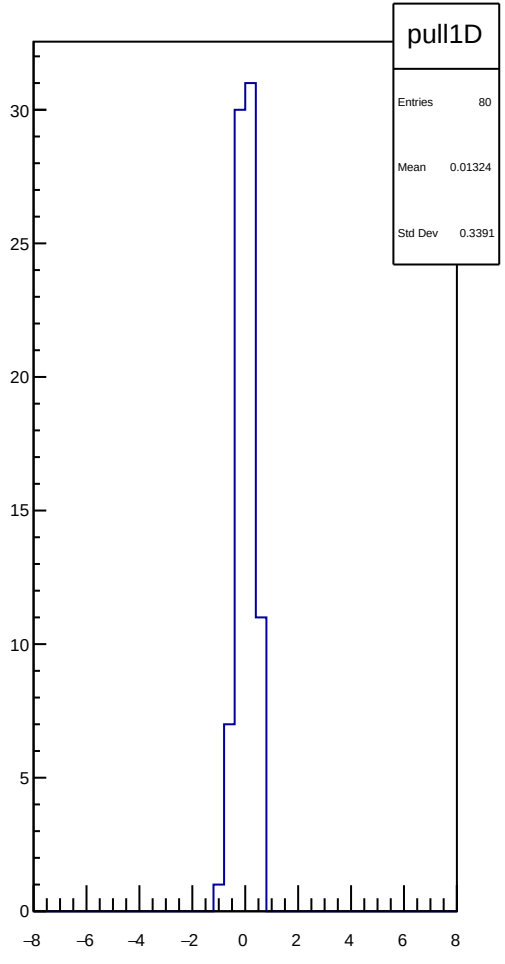

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 10.25 / 79
p0 233.2 ± 6.664
pull
Entries 80
Mean 310.2
Std Dev 269.9
pull1D
Entries 80
Mean 0.01055
Std Dev 0.3579

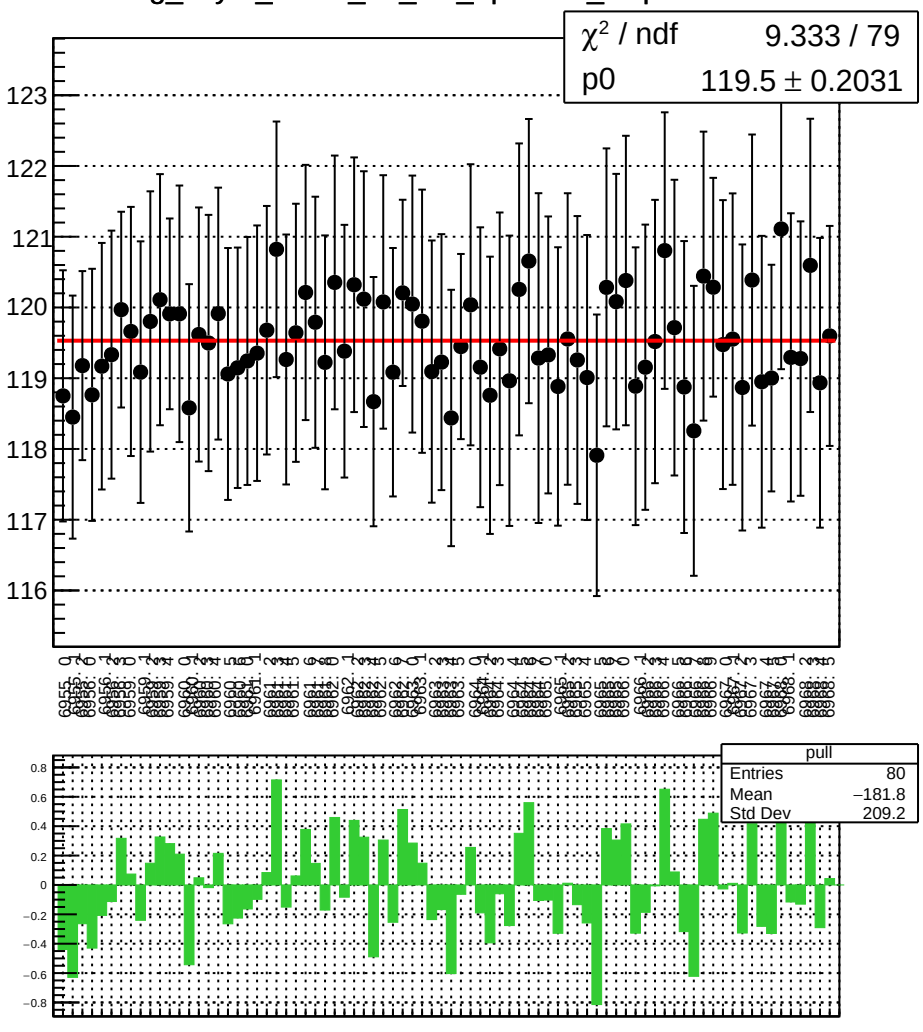

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.781 / 79
p0 0.6242 ± 4.56
pull
Entries 80
Mean 137.1
Std Dev 90.27

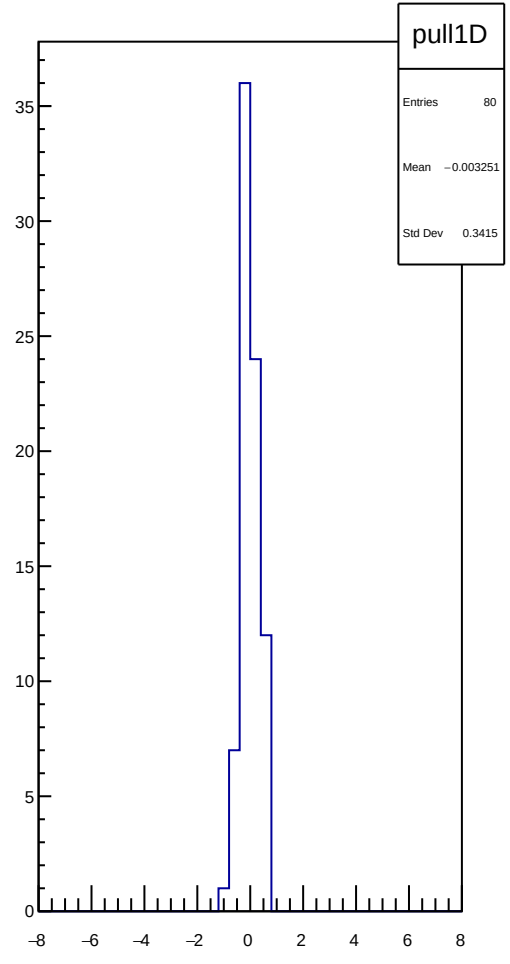

pull1D
Entries 80
Mean −0.01786
Std Dev 0.3492

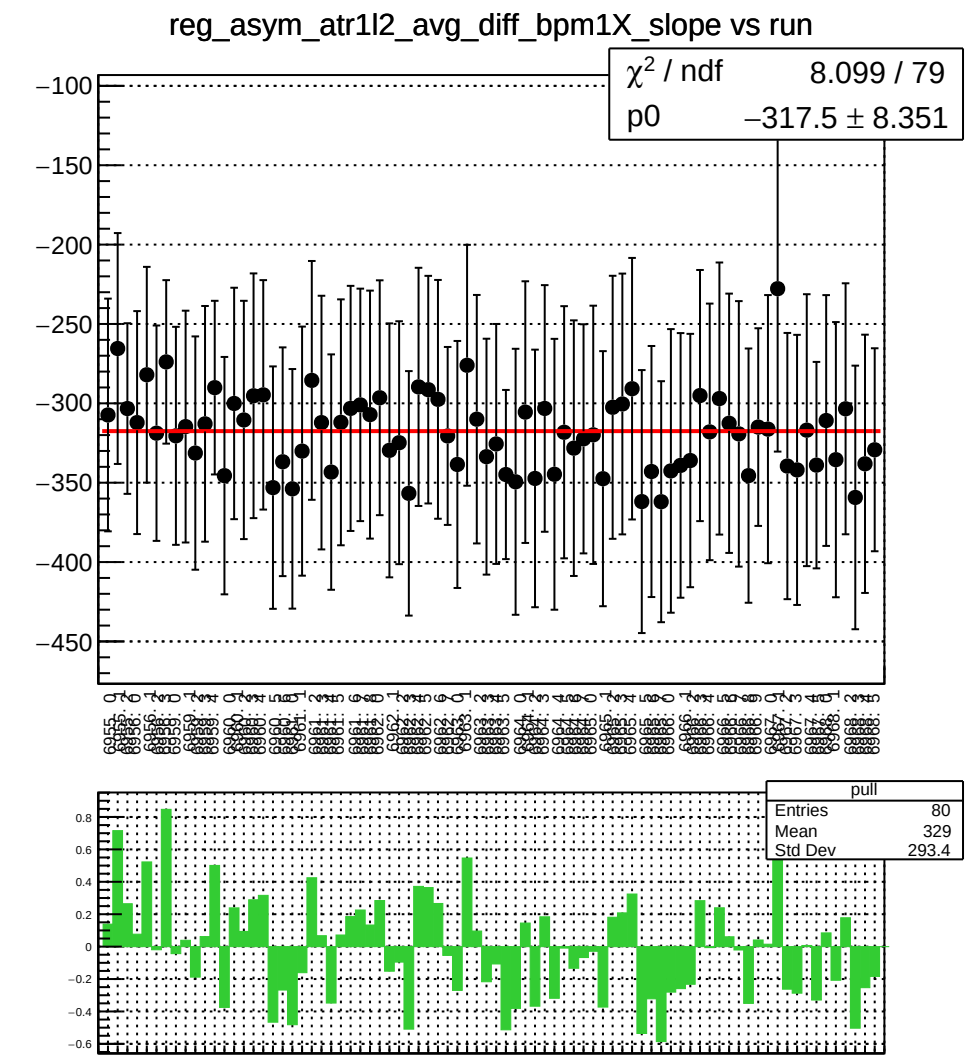

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.34 / 79
p0 −252.1± 6.173
−150
−200
−250
−300
−350
pull
Entries 80
Mean 334.2
Std Dev 293.9
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.0108
Std Dev 0.3593
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

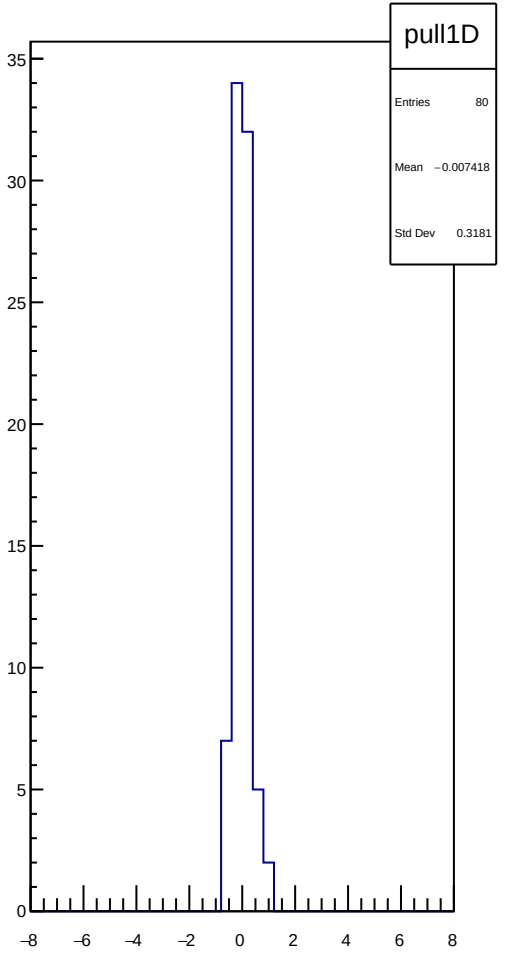

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.214 / 79
p0 −69 ± 5.187
50
0
−50
−100
−150
pull
Entries 80
Mean 170.7
Std Dev 123.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

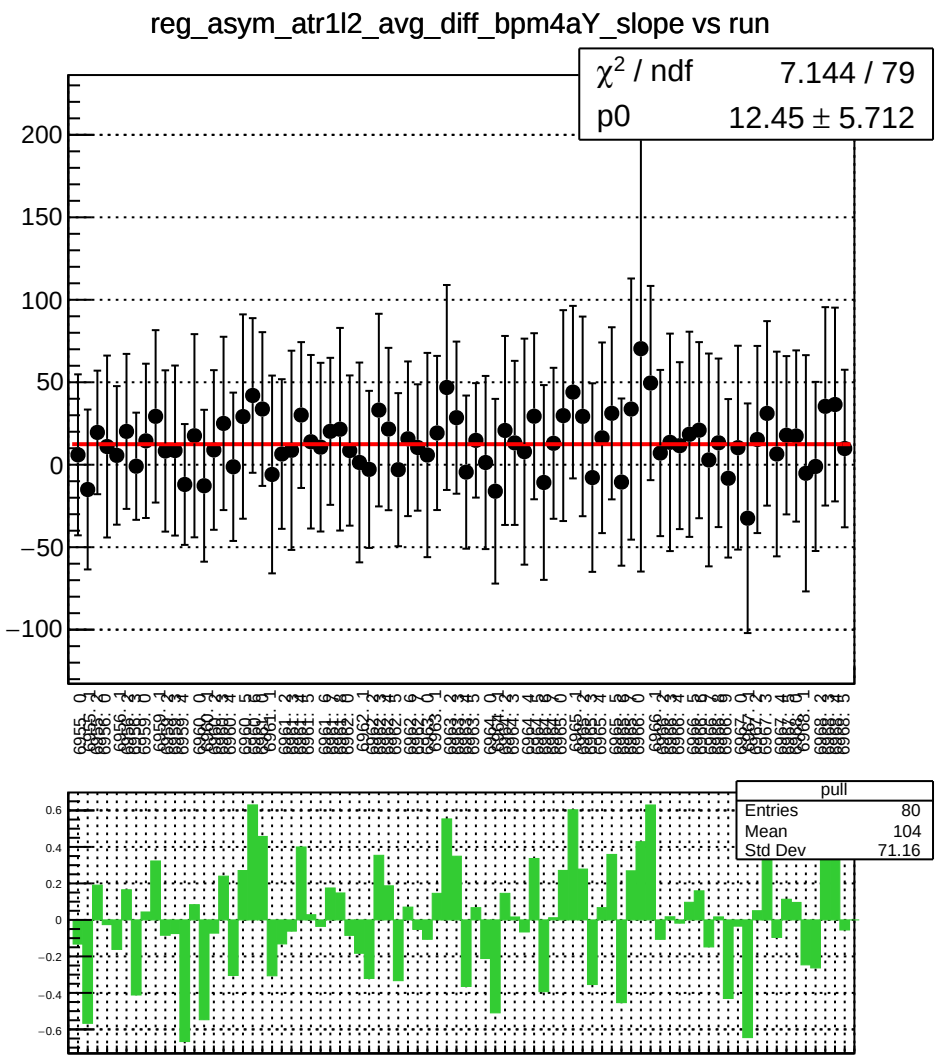

pull1D
Entries 80
Mean 0.01324
Std Dev 0.3391
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

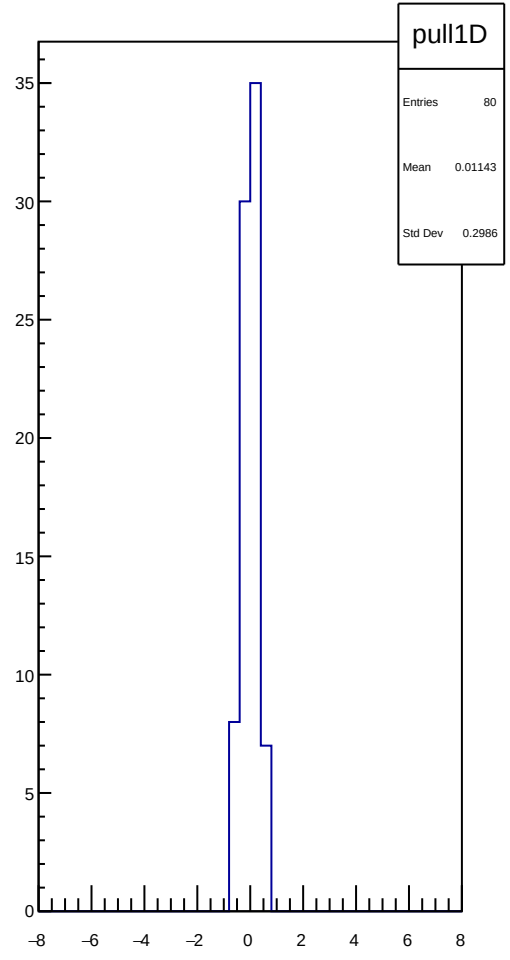

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.333 / 79
p0 119.5 ± 0.2031
pull
Entries 80
Mean −181.8
Std Dev 209.2

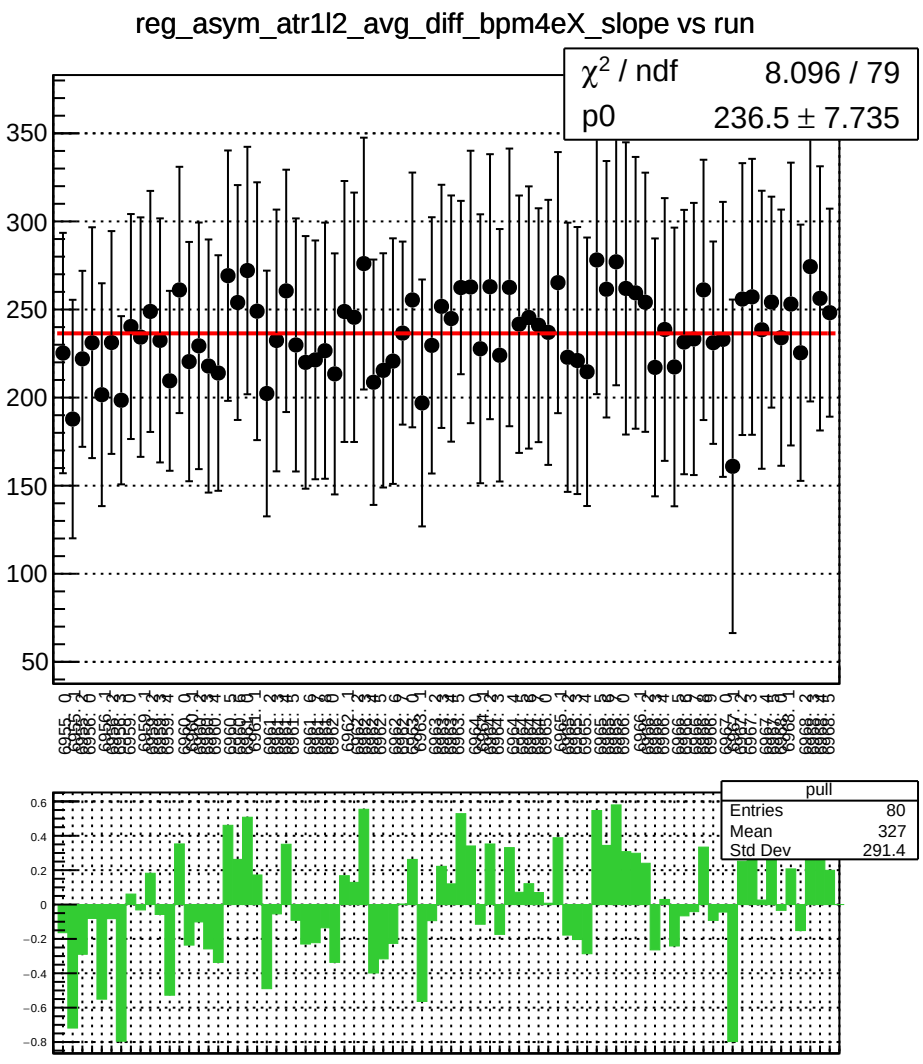

pull1D
Entries 80
Mean −0.003251
Std Dev 0.3415

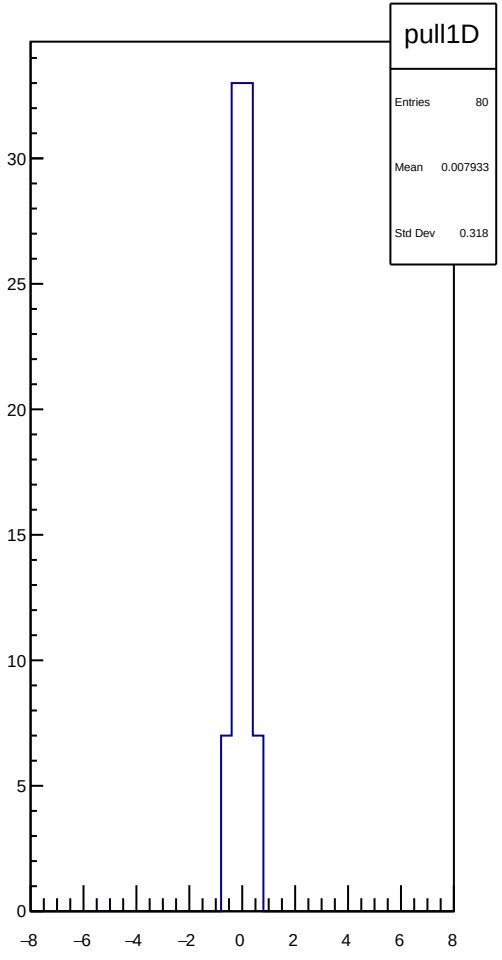

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.099 / 79
p0 −317.5 ± 8.351
pull
Entries 80
Mean 329
Std Dev 293.4

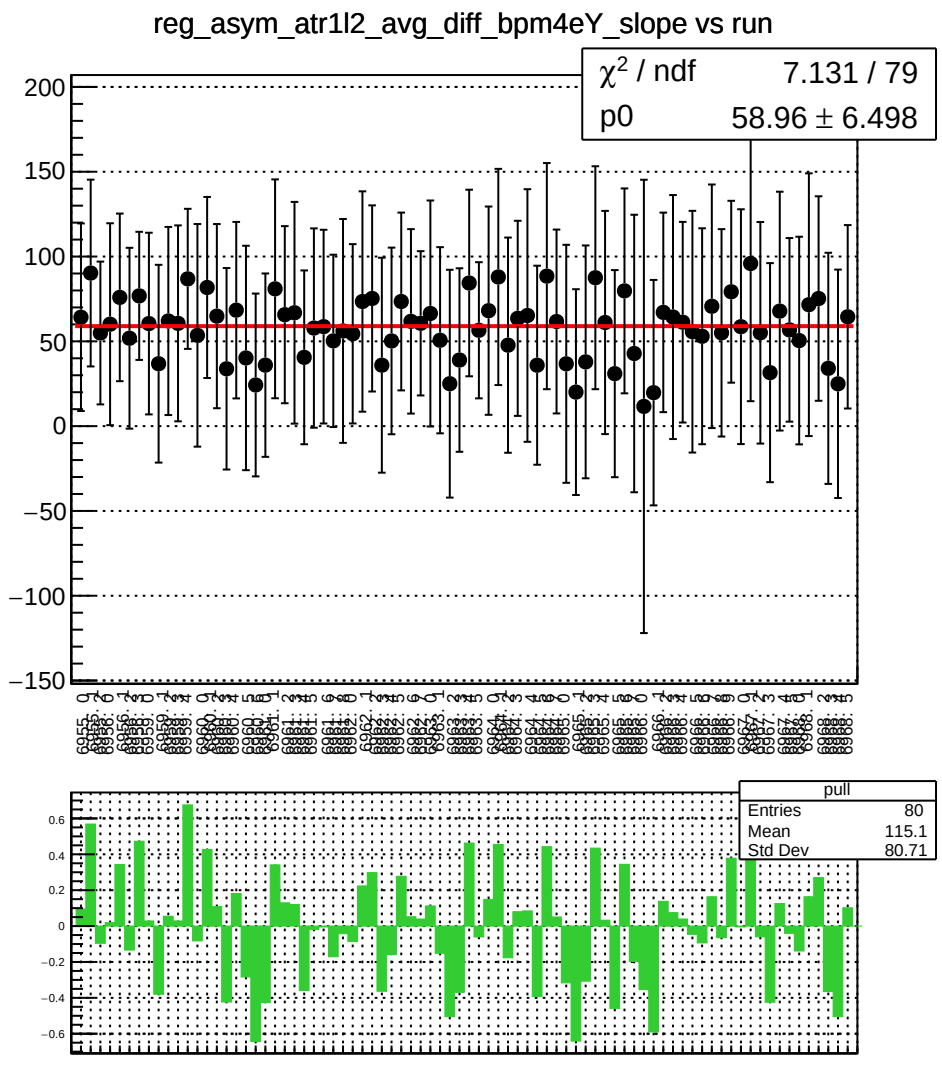

pull1D
Entries 80
Mean −0.007418
Std Dev 0.3181

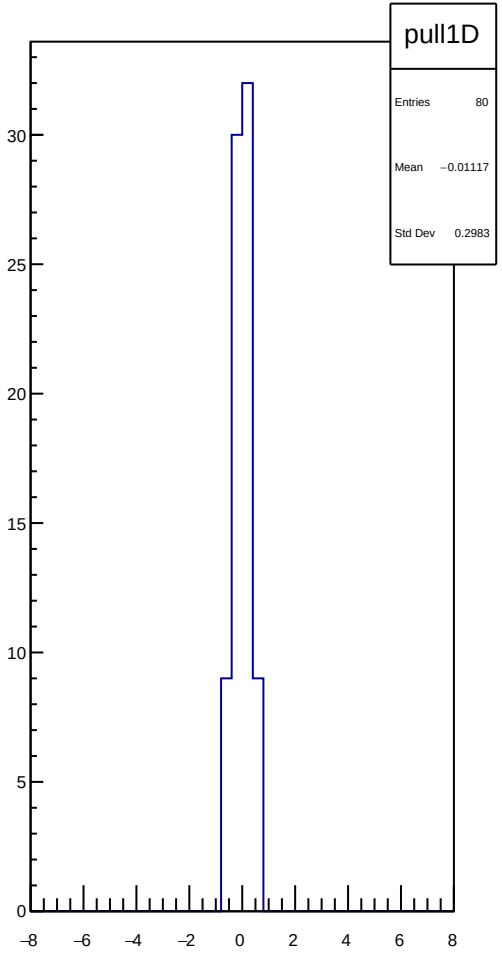

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.144 / 79
p0 12.45 ± 5.712
pull
Entries 80
Mean 104
Std Dev 71.16

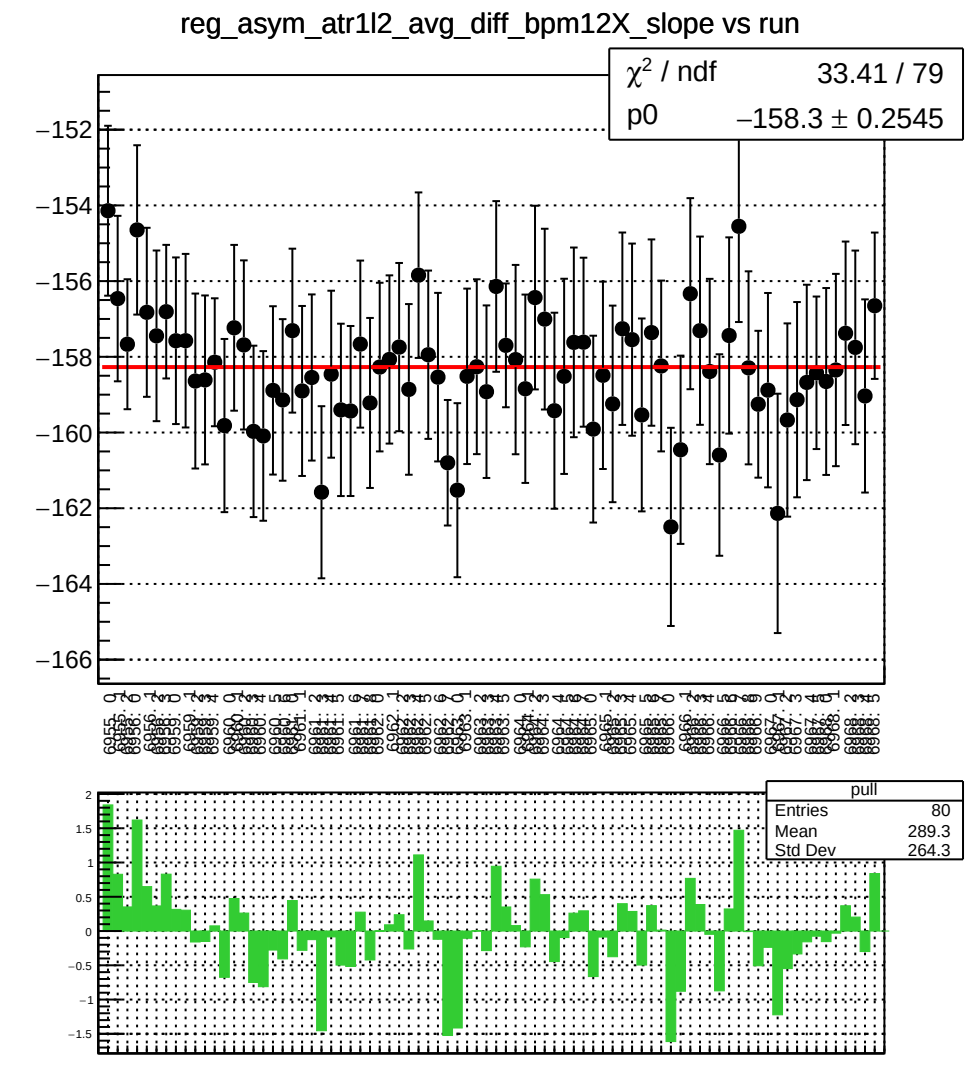

pull1D
Entries 80
Mean 0.01143
Std Dev 0.2986

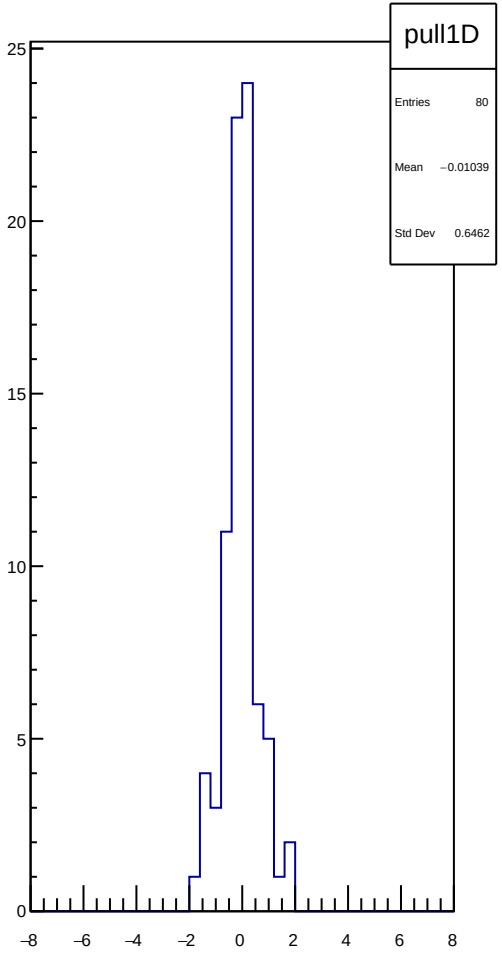

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.096 / 79
p0 236.5 ± 7.735
pull
Entries 80
Mean 327
Std Dev 291.4

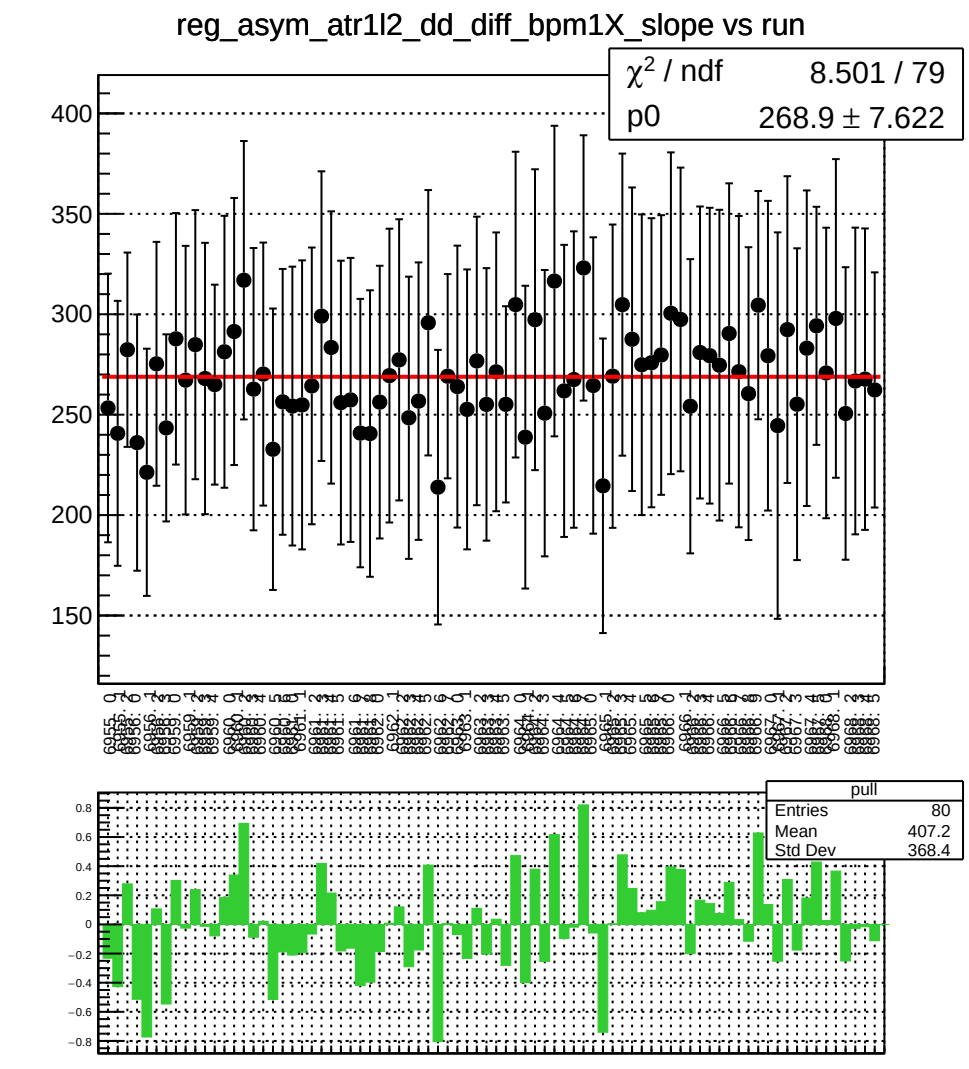

pull1D
Entries 80
Mean 0.007933
Std Dev 0.318

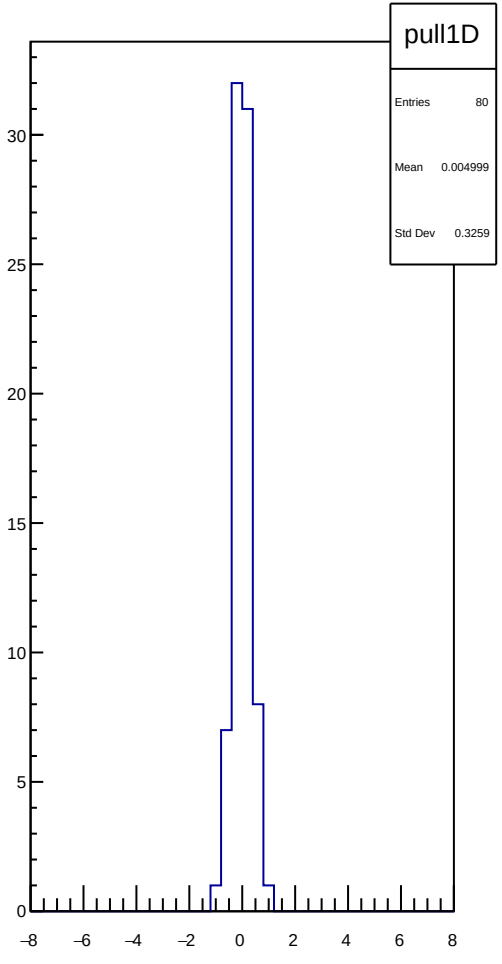

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.131 / 79
p0 58.96 ± 6.498
pull
Entries 80
Mean 115.1
Std Dev 80.71

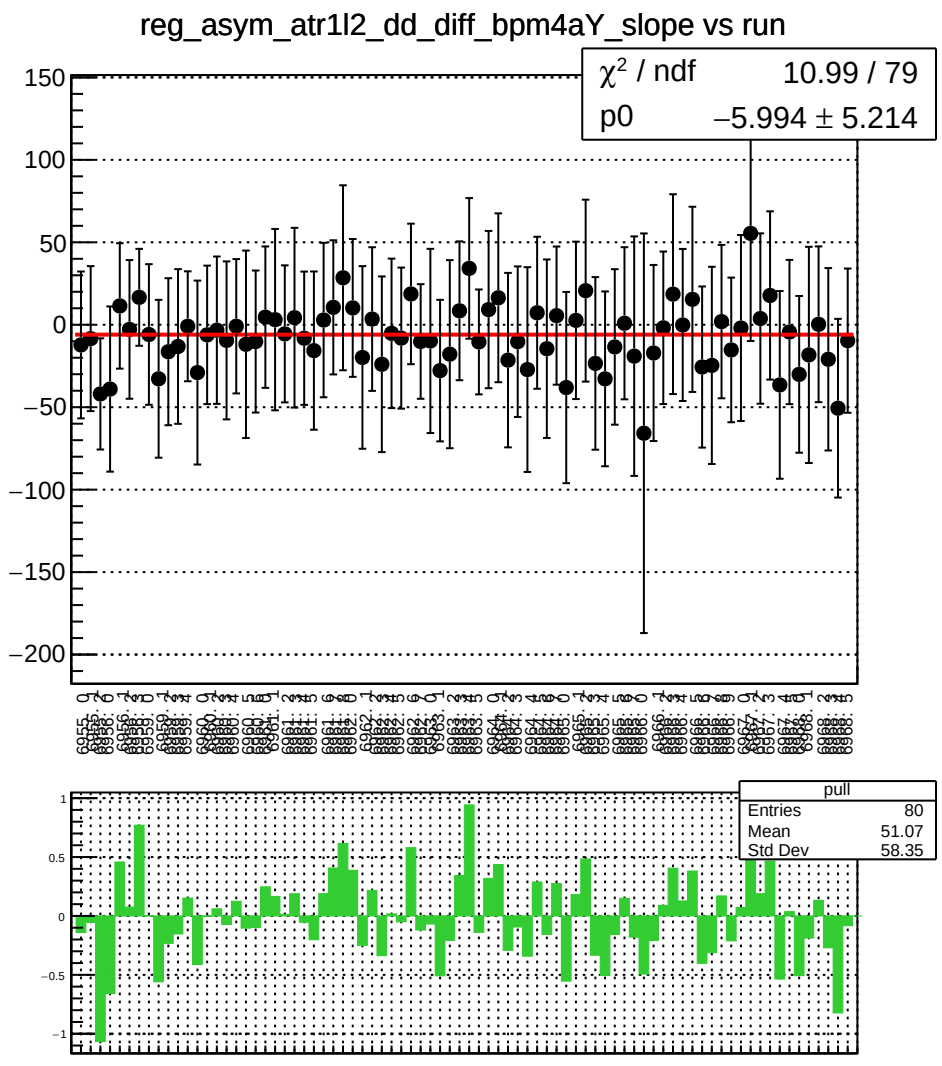

pull1D
Entries 80
Mean −0.01117
Std Dev 0.2983

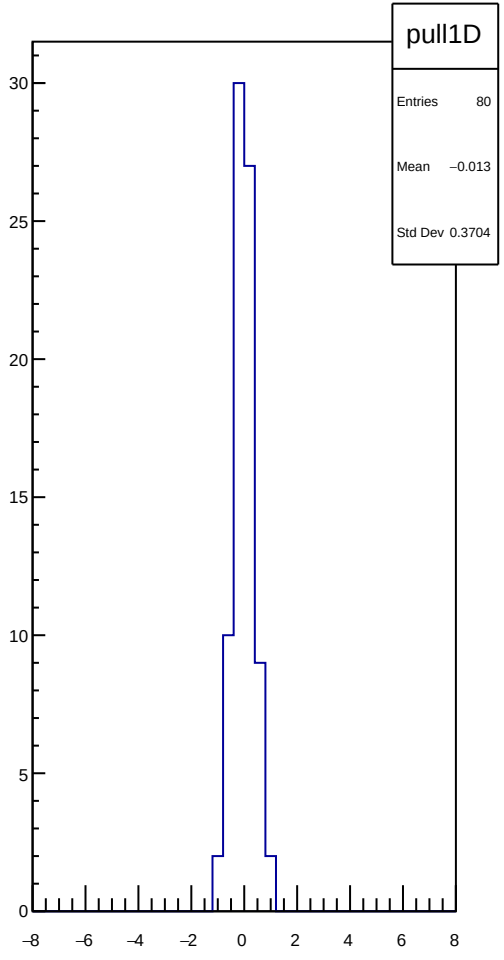

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 33.41 / 79
p0 −158.3 ± 0.2545
pull
Entries 80
Mean 289.3
Std Dev 264.3

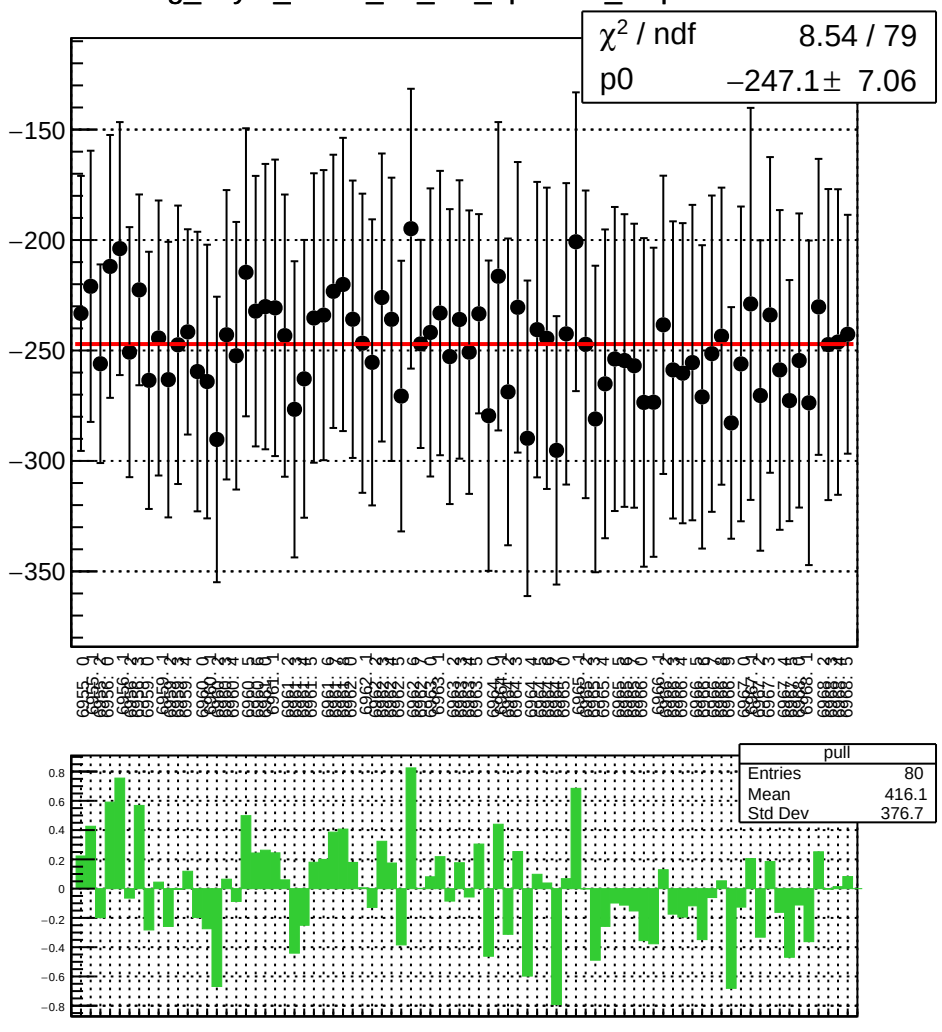

pull1D
Entries 80
Mean −0.01039
Std Dev 0.6462

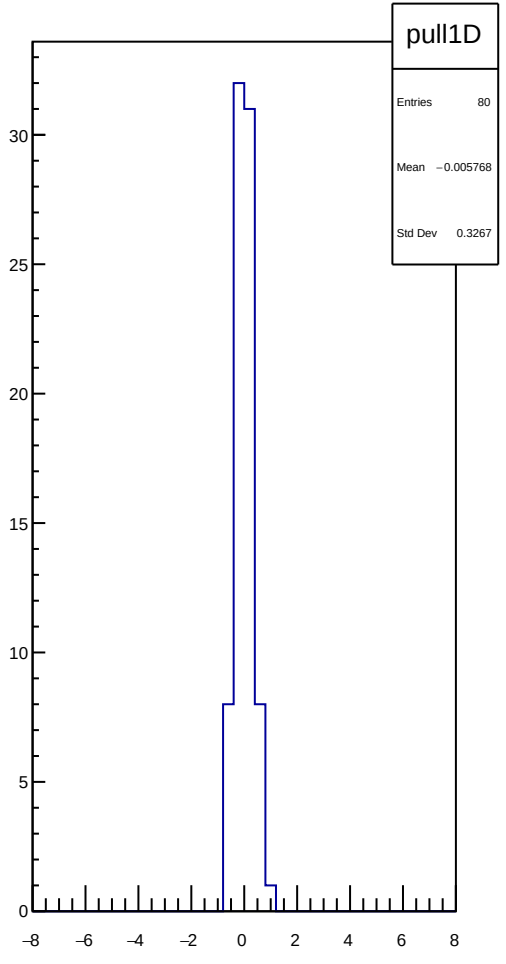

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.501 / 79
p0 268.9 ± 7.622
pull
Entries 80
Mean 407.2
Std Dev 368.4

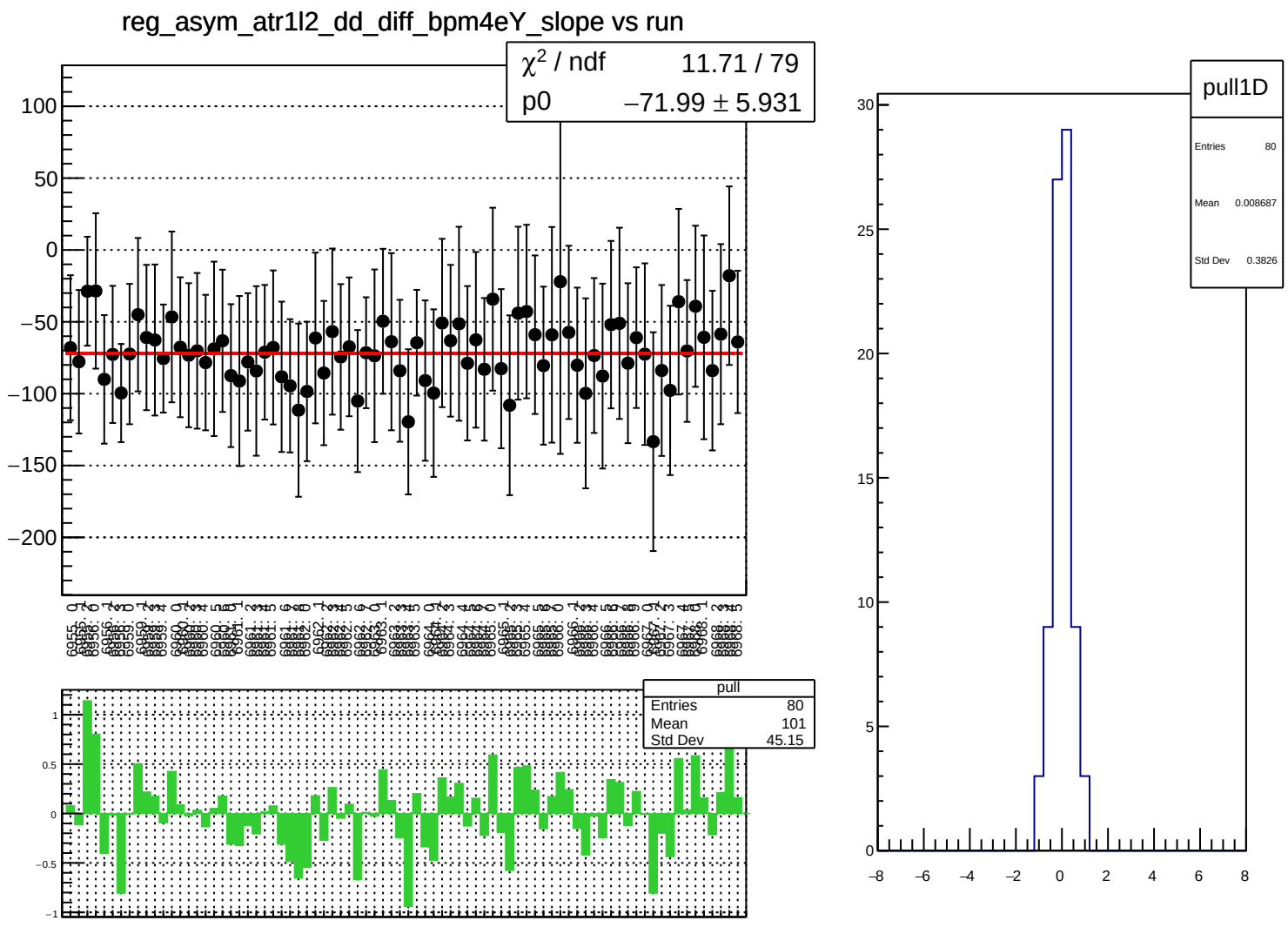

pull1D
Entries 80
Mean 0.004999
Std Dev 0.3259

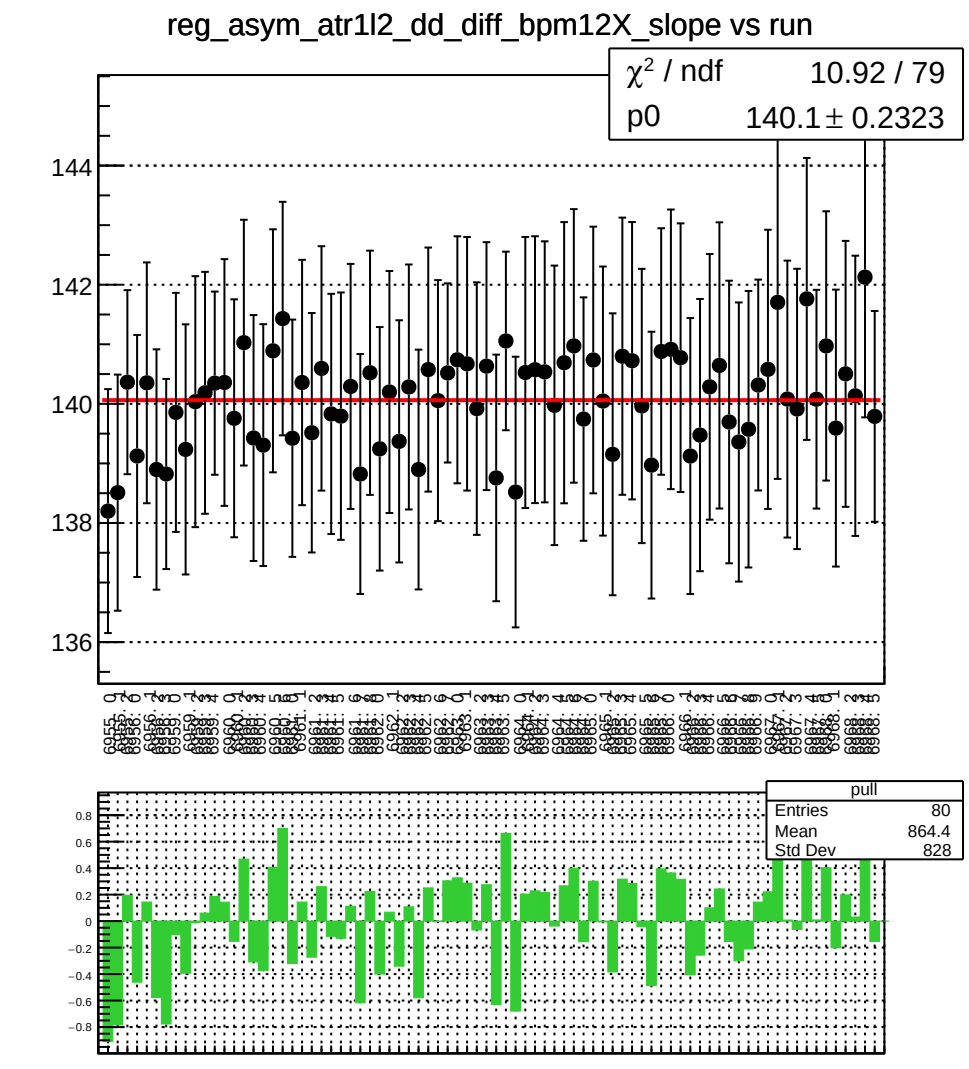

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.99 / 79
p0 −5.994 ± 5.214
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 51.07
Std Dev 58.35
1
0.5
0
−0.5
−1

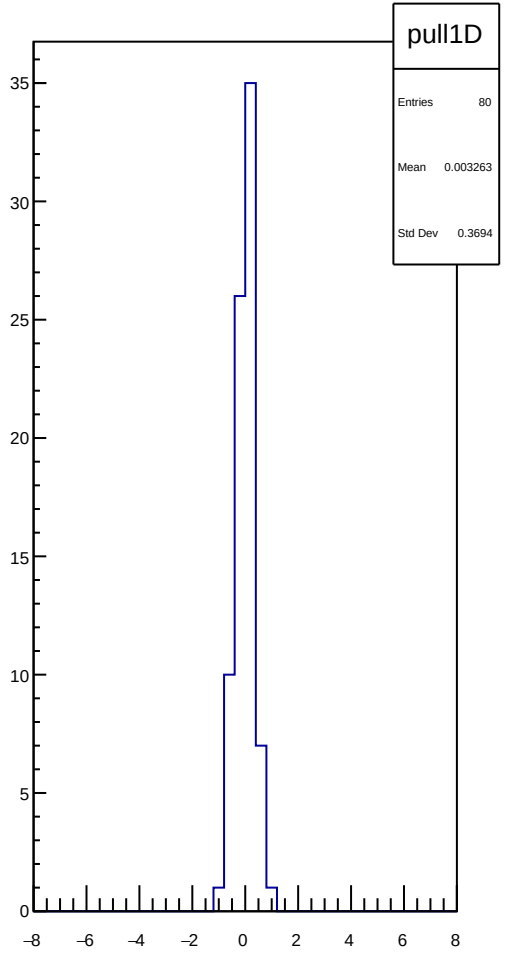

pull1D
Entries 80
Mean −0.013
Std Dev 0.3704
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

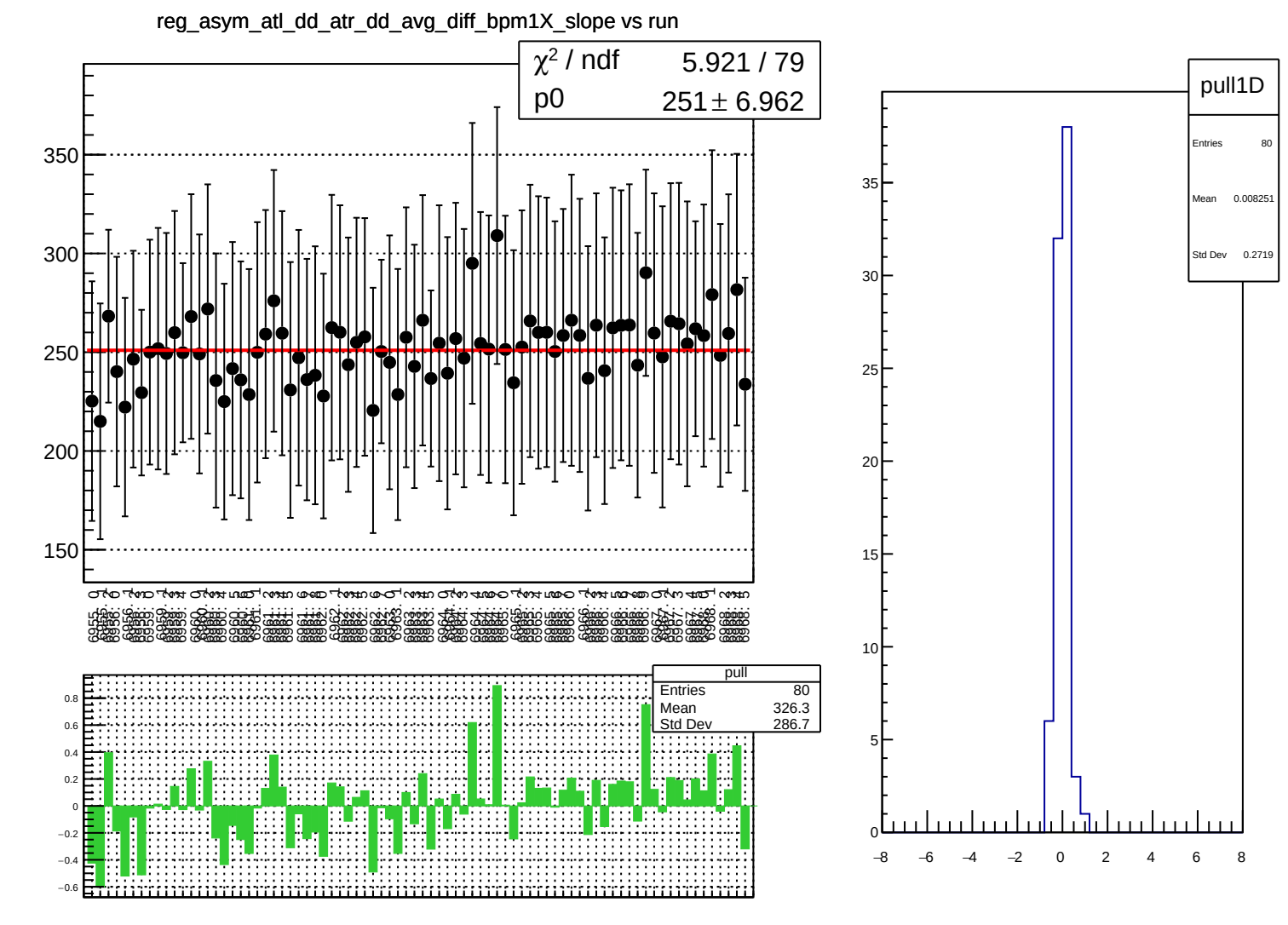

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.54 / 79
p0 −247.1± 7.06
−150
−200
−250
−300
−350
pull
Entries 80
Mean 416.1
Std Dev 376.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

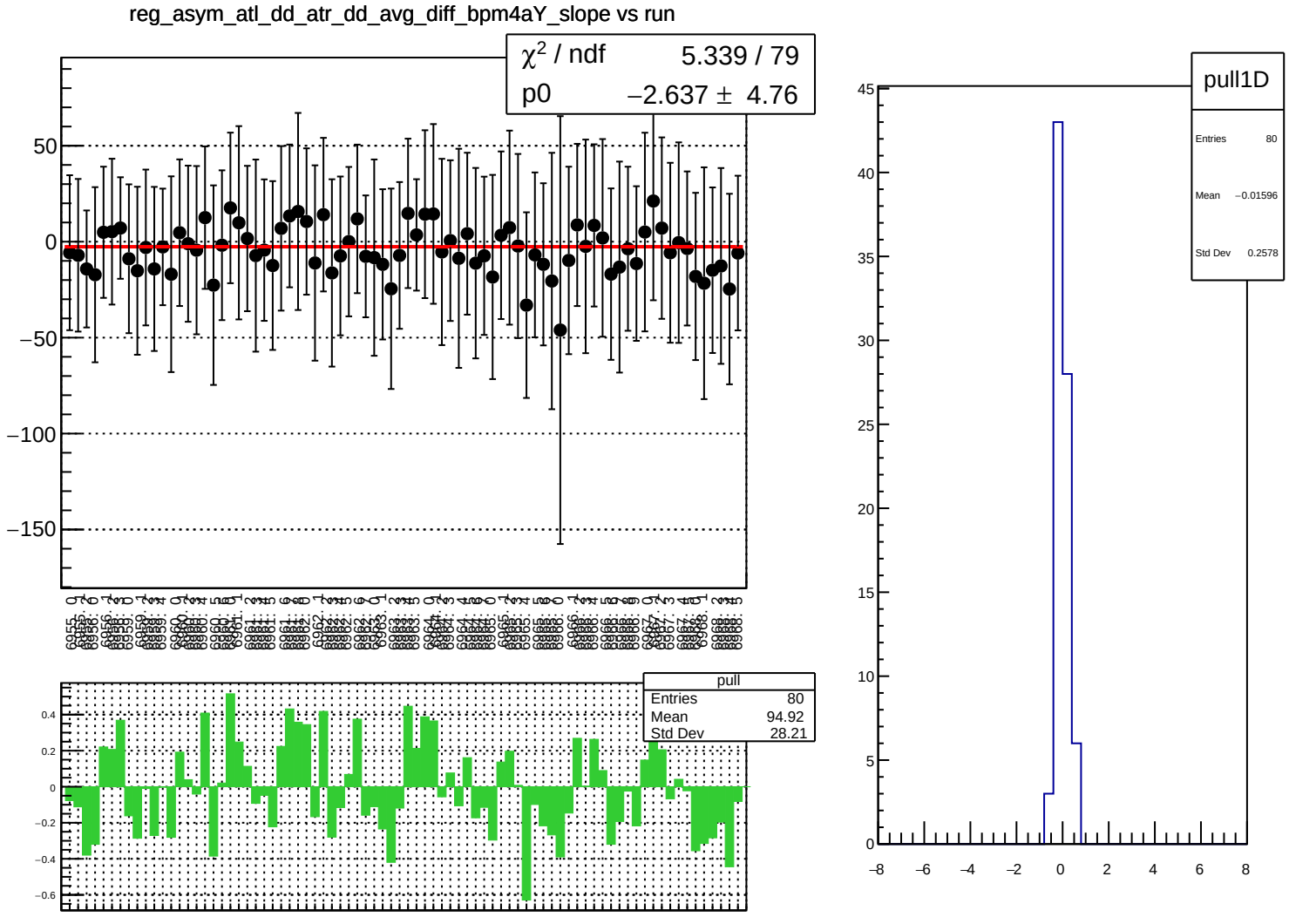

pull1D
Entries 80
Mean −0.005768
Std Dev 0.3267
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

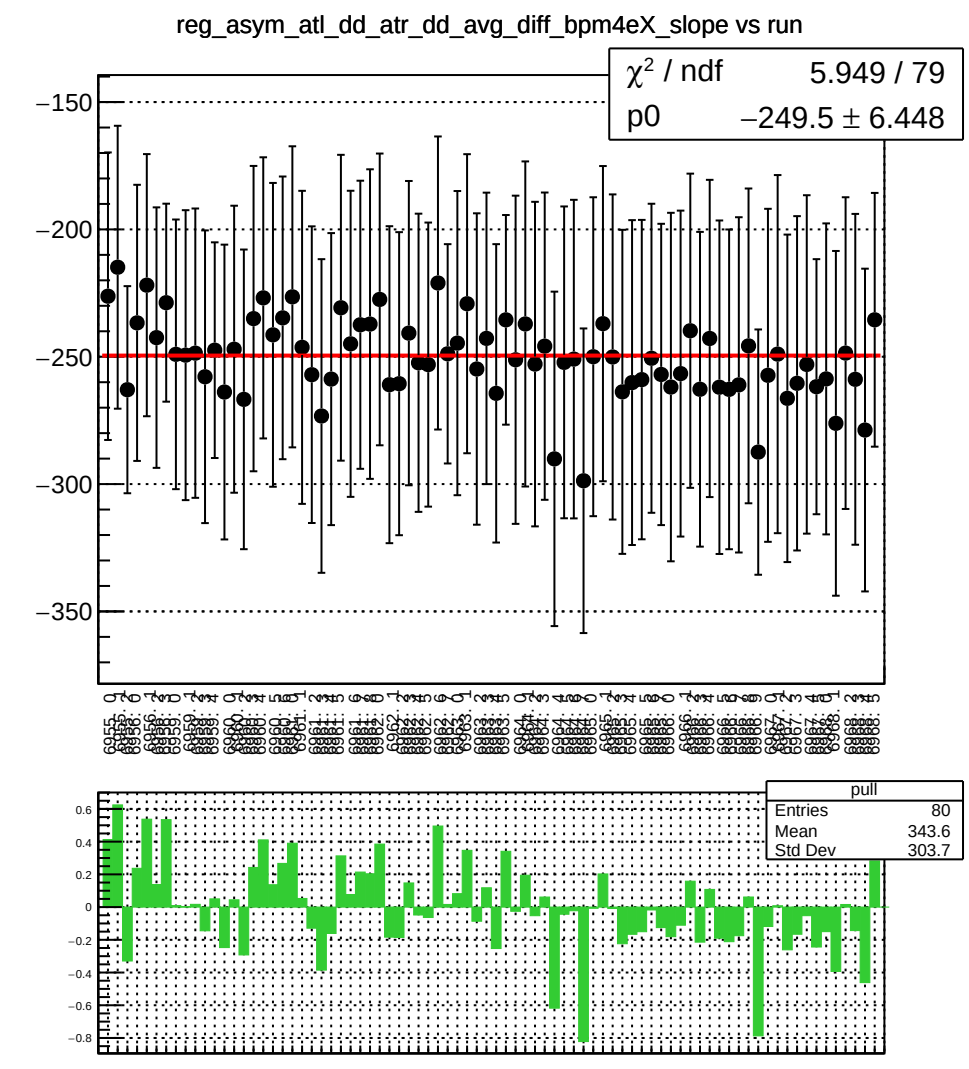

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.71 / 79
p0 −71.99 ± 5.931
pull
Entries 80
Mean 101
Std Dev 45.15
pull1D
Entries 80
Mean 0.008687
Std Dev 0.3826

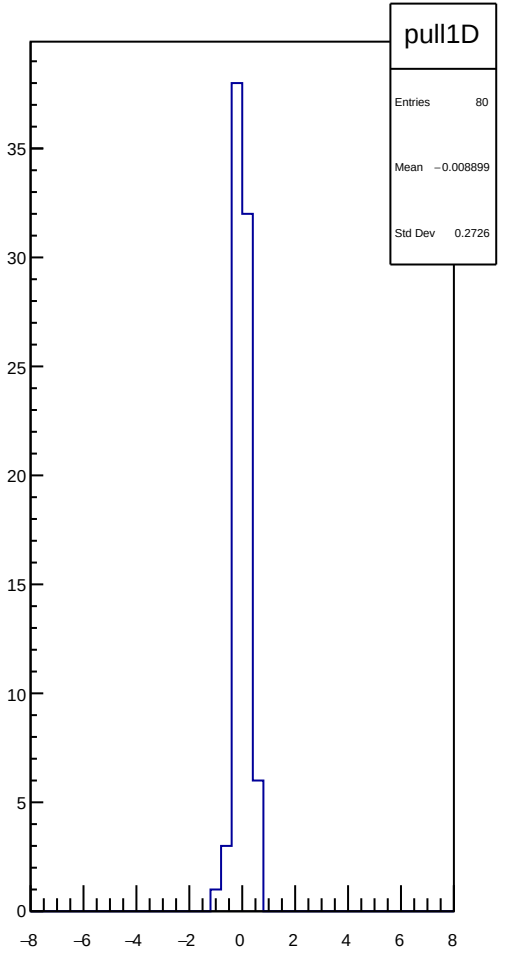

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.92 / 79
p0 140.1 ± 0.2323
144
142
140
138
136
pull
Entries 80
Mean 864.4
Std Dev 828
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

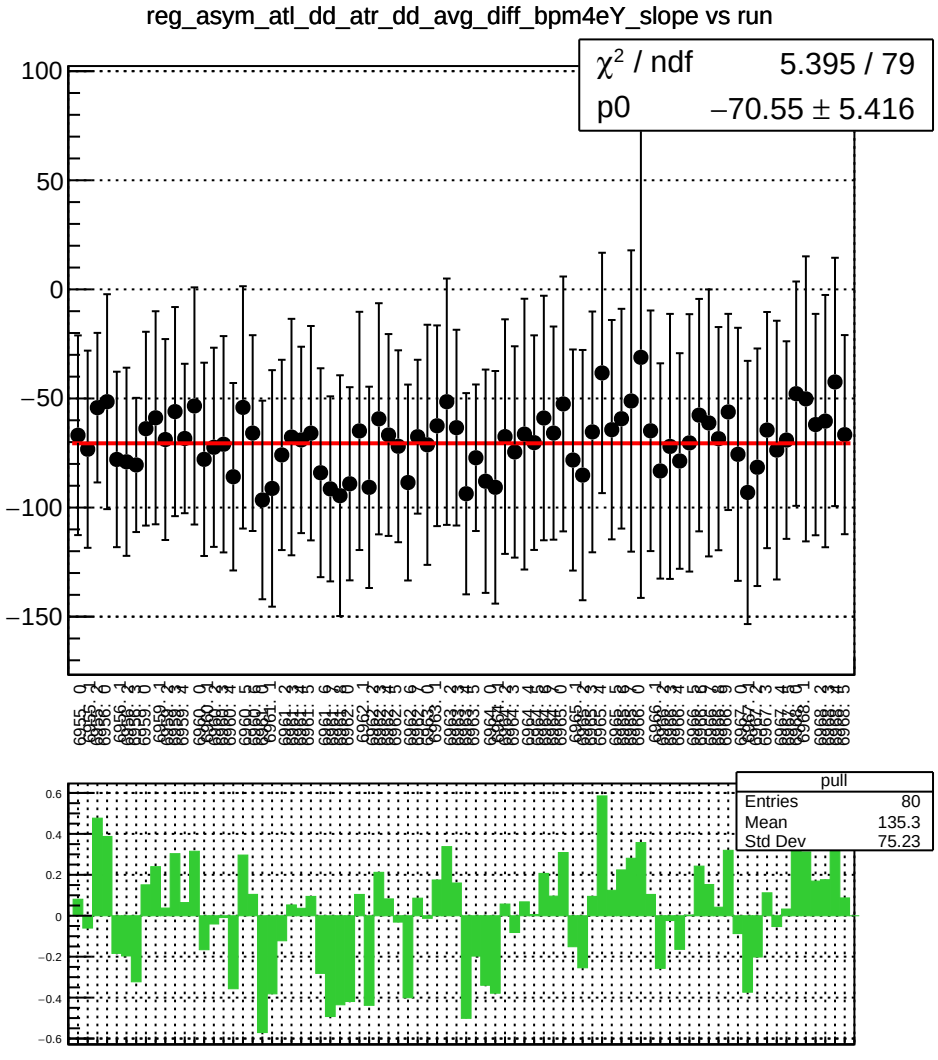

pull1D
Entries 80
Mean 0.003263
Std Dev 0.3694
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

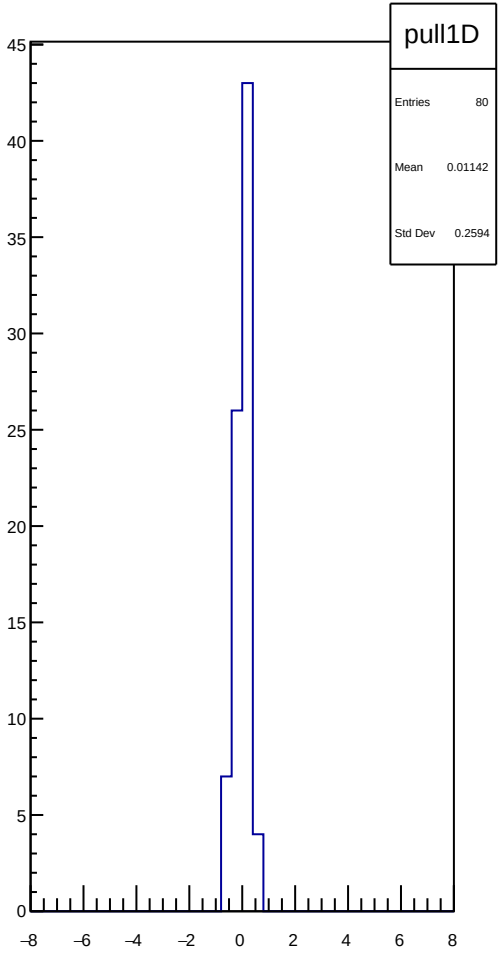

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 5.921 / 79
p0 251 ± 6.962
pull
Entries 80
Mean 326.3
Std Dev 286.7
pull1D
Entries 80
Mean 0.008251
Std Dev 0.2719

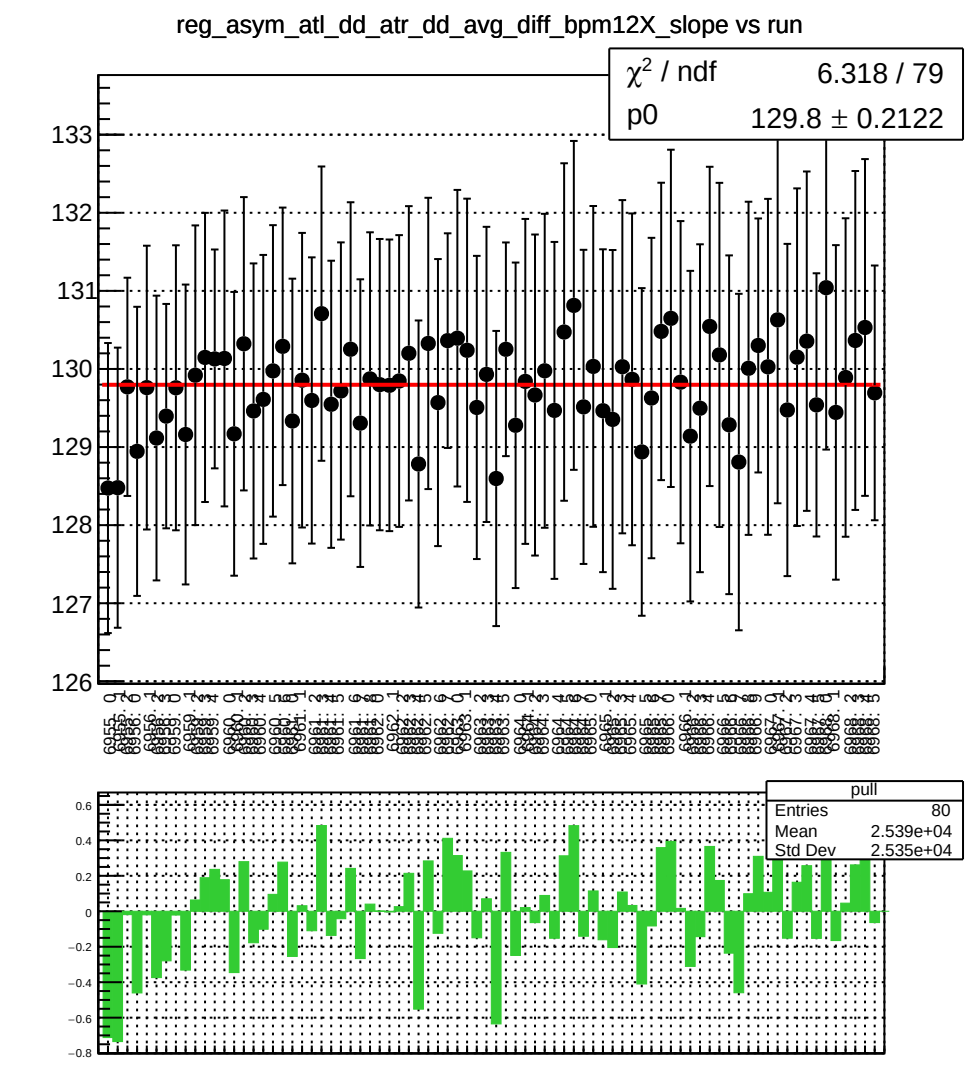

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.339 / 79
p0 −2.637 ± 4.76
50
0
−50
−100
−150
pull
Entries 80
Mean 94.92
Std Dev 28.21
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean −0.01596
Std Dev 0.2578
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

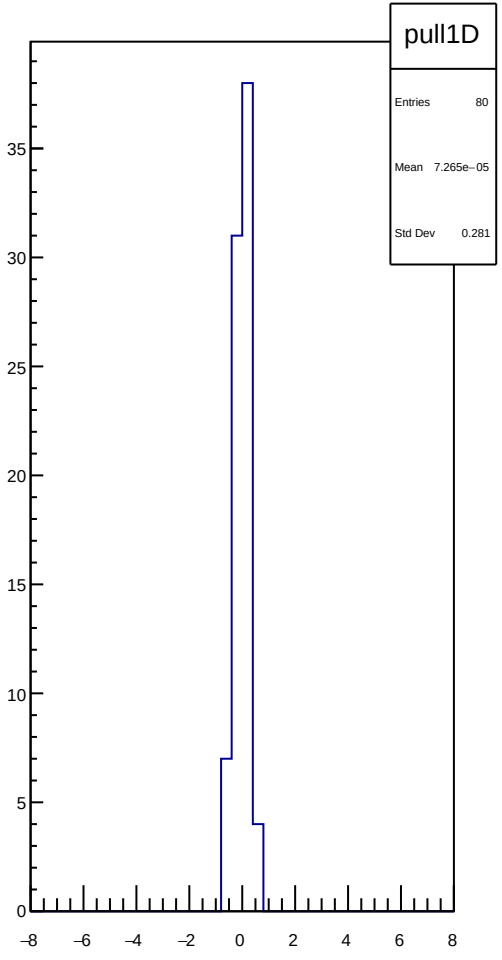

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.949 / 79
p0 −249.5 ± 6.448
−150
−200
−250
−300
−350
pull
Entries 80
Mean 343.6
Std Dev 303.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

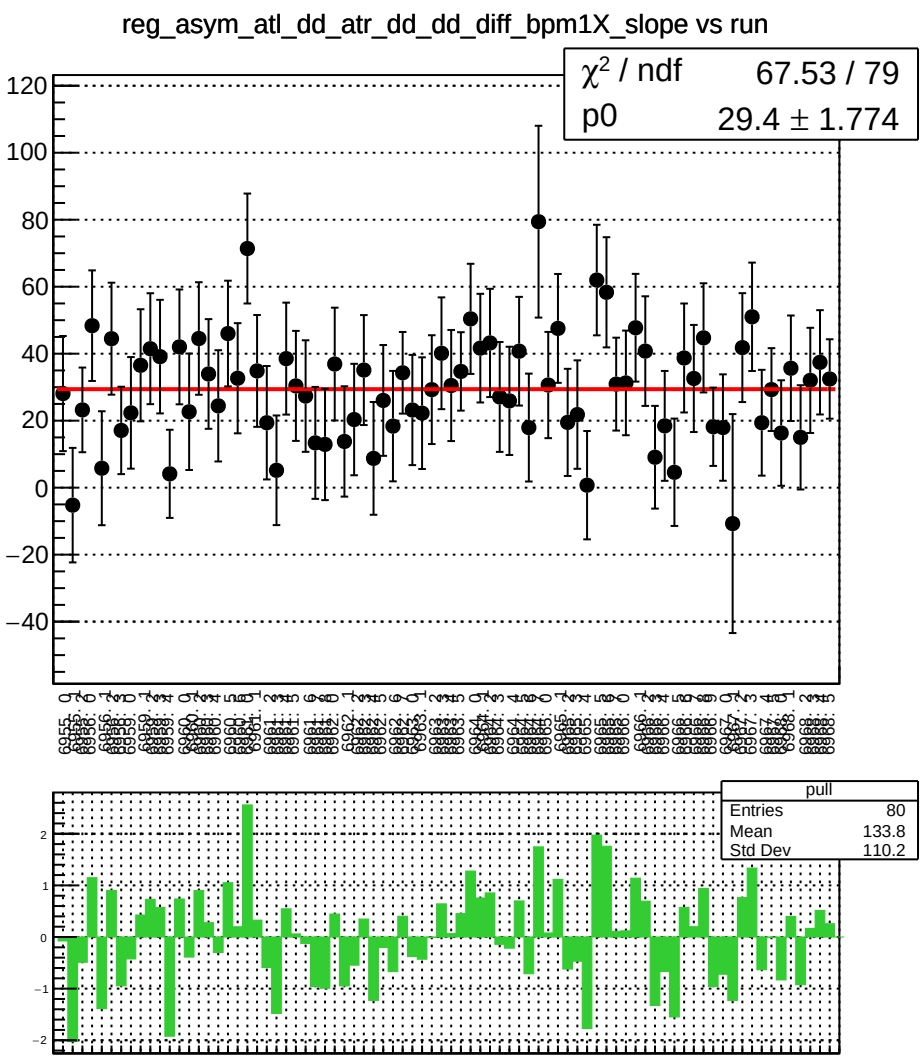

pull1D
Entries 80
Mean −0.008899
Std Dev 0.2726
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

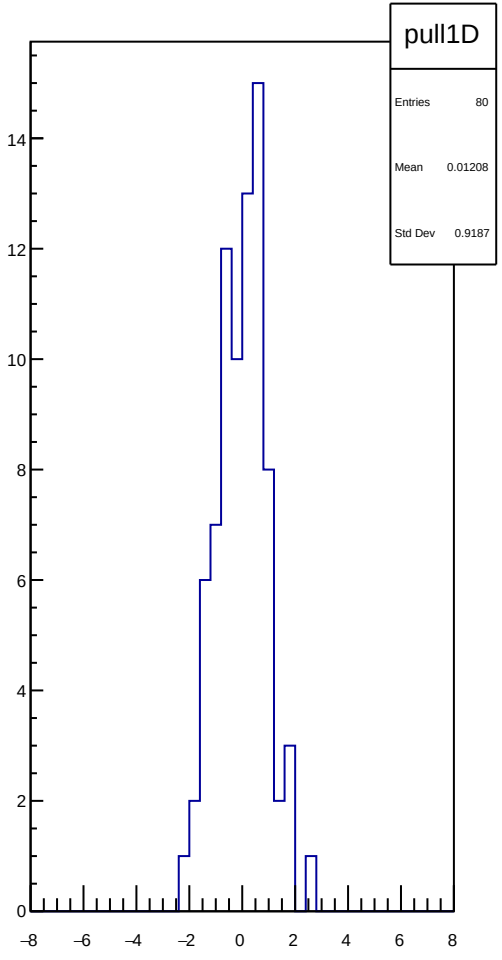

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.395 / 79
p0 −70.55 ± 5.416
pull
Entries 80
Mean 135.3
Std Dev 75.23

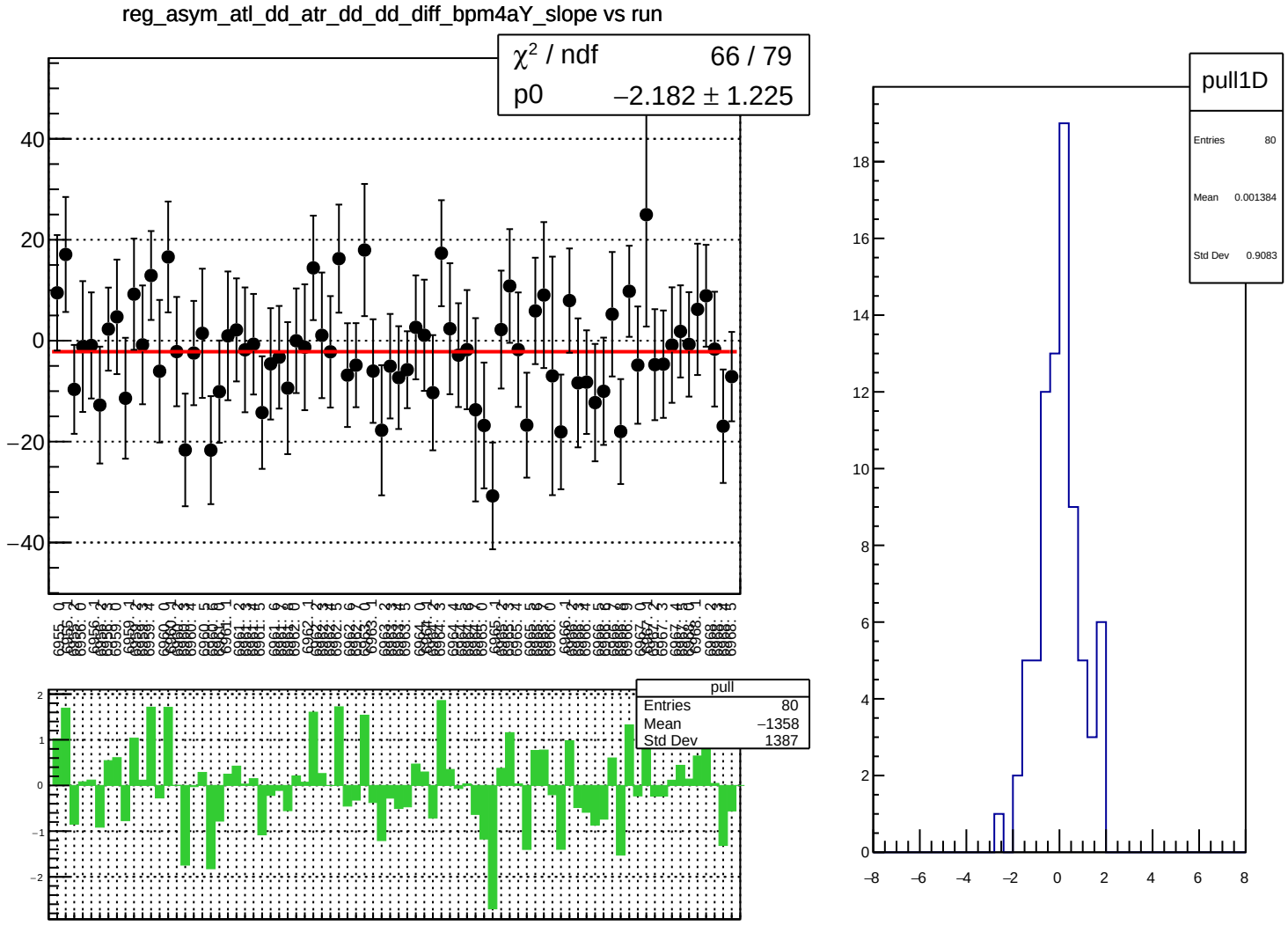

pull1D
Entries 80
Mean 0.01142
Std Dev 0.2594

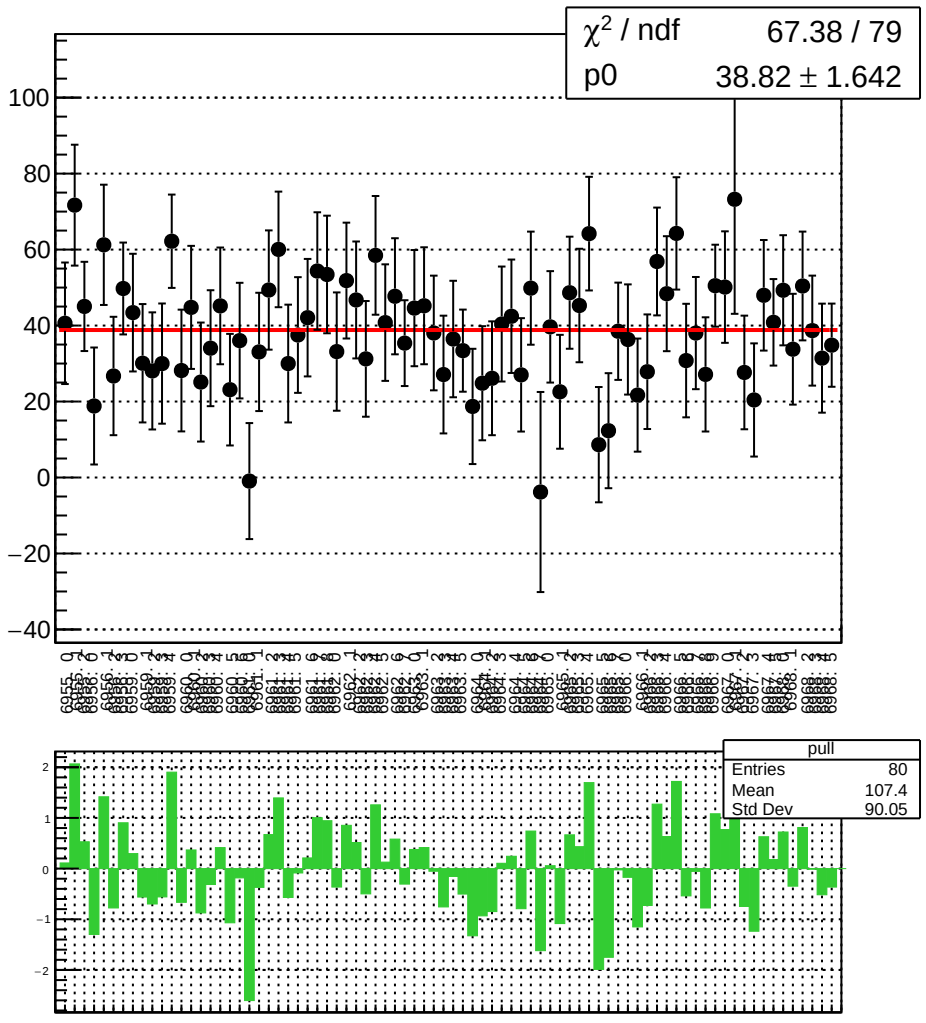

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 6.318 / 79
p0 129.8 ± 0.2122
pull
Entries 80
Mean 2.539e+04
Std Dev 2.535e+04

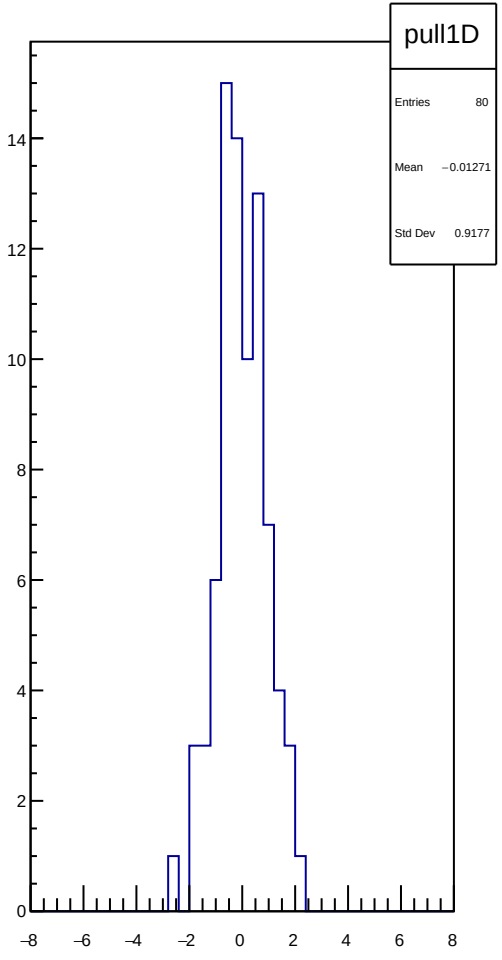

pull1D
Entries 80
Mean 7.265e−05
Std Dev 0.281

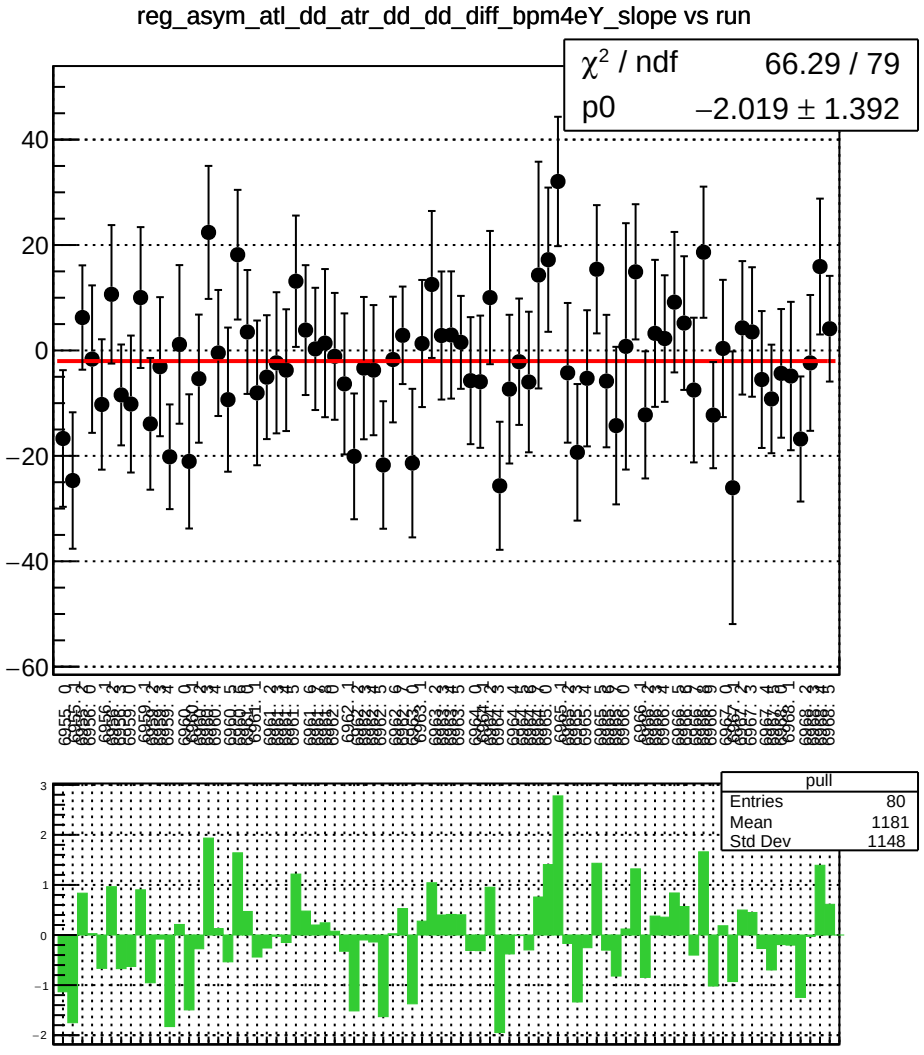

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 67.53 / 79
p0 29.4 ± 1.774
pull
Entries 80
Mean 133.8
Std Dev 110.2

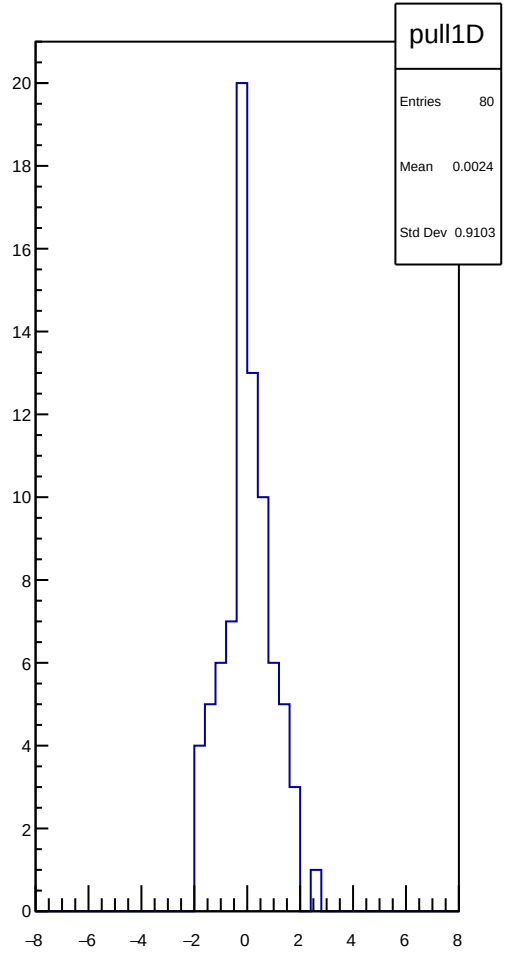

pull1D
Entries 80
Mean 0.01208
Std Dev 0.9187

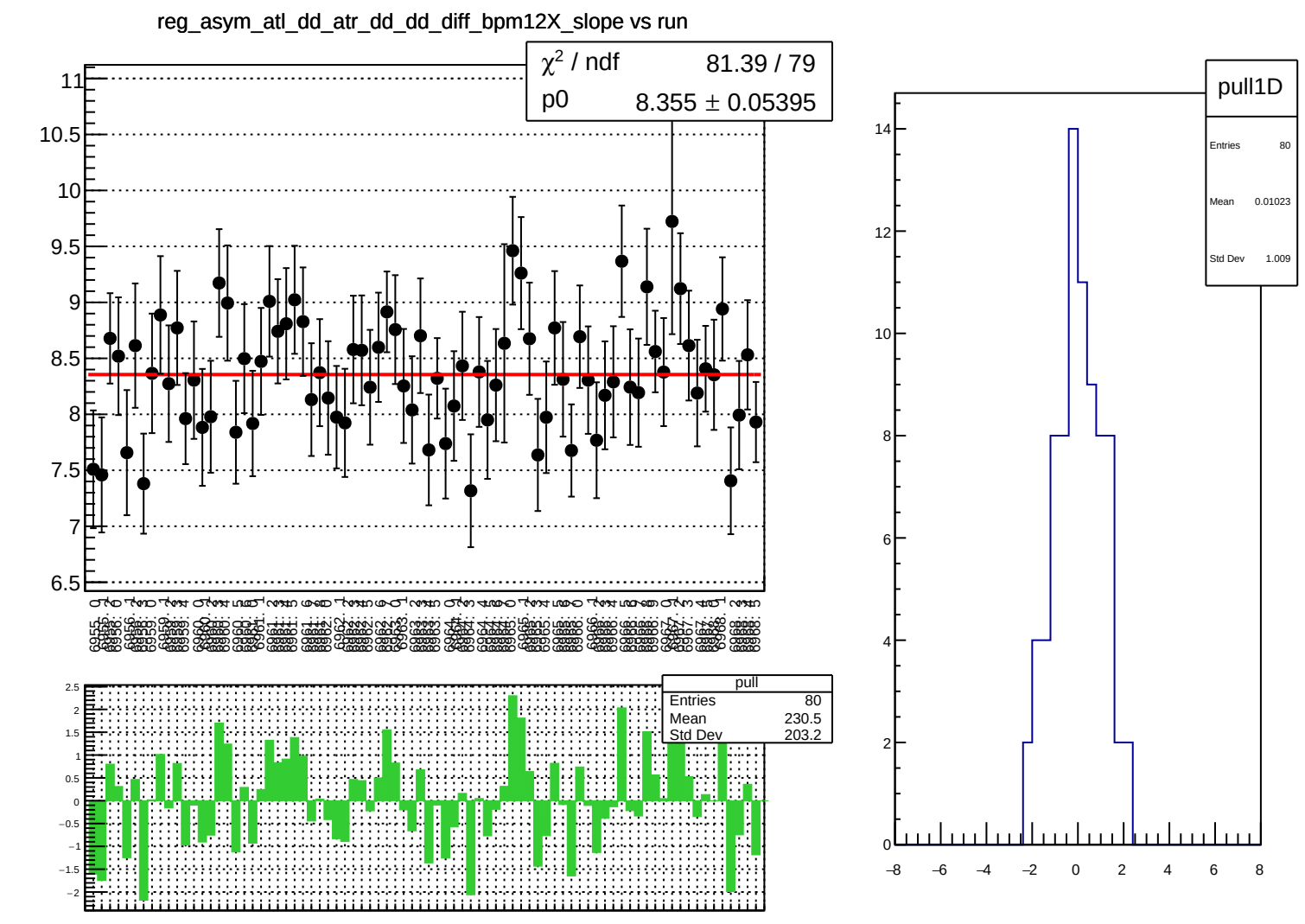

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 66 / 79
p0 −2.182 ± 1.225
pull
Entries 80
Mean −1358
Std Dev 1387
pull1D
Entries 80
Mean 0.001384
Std Dev 0.9083

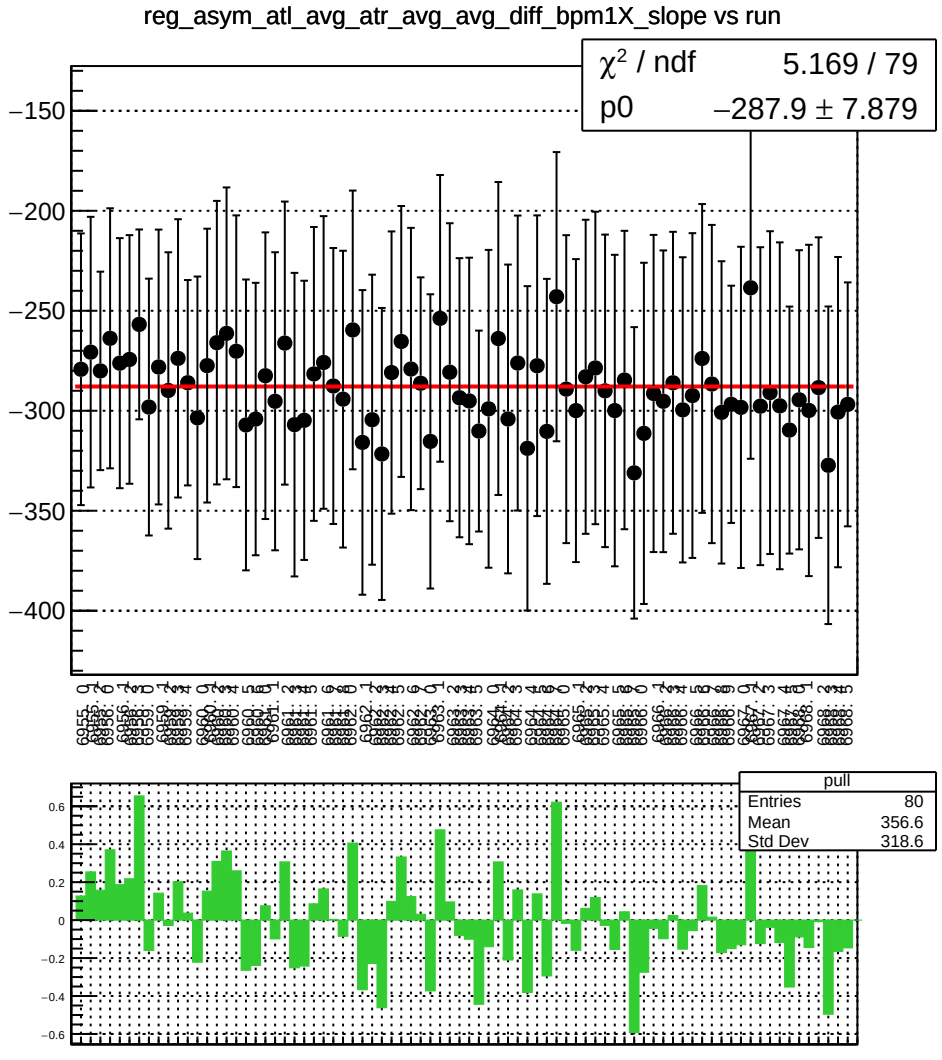

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.38 / 79
p0 38.82 ± 1.642
pull
Entries 80
Mean 107.4
Std Dev 90.05

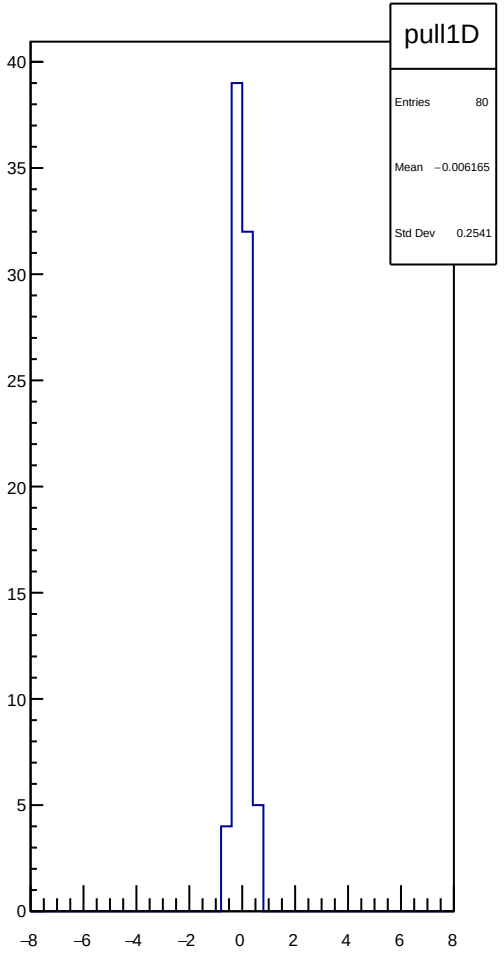

pull1D
Entries 80
Mean −0.01271
Std Dev 0.9177

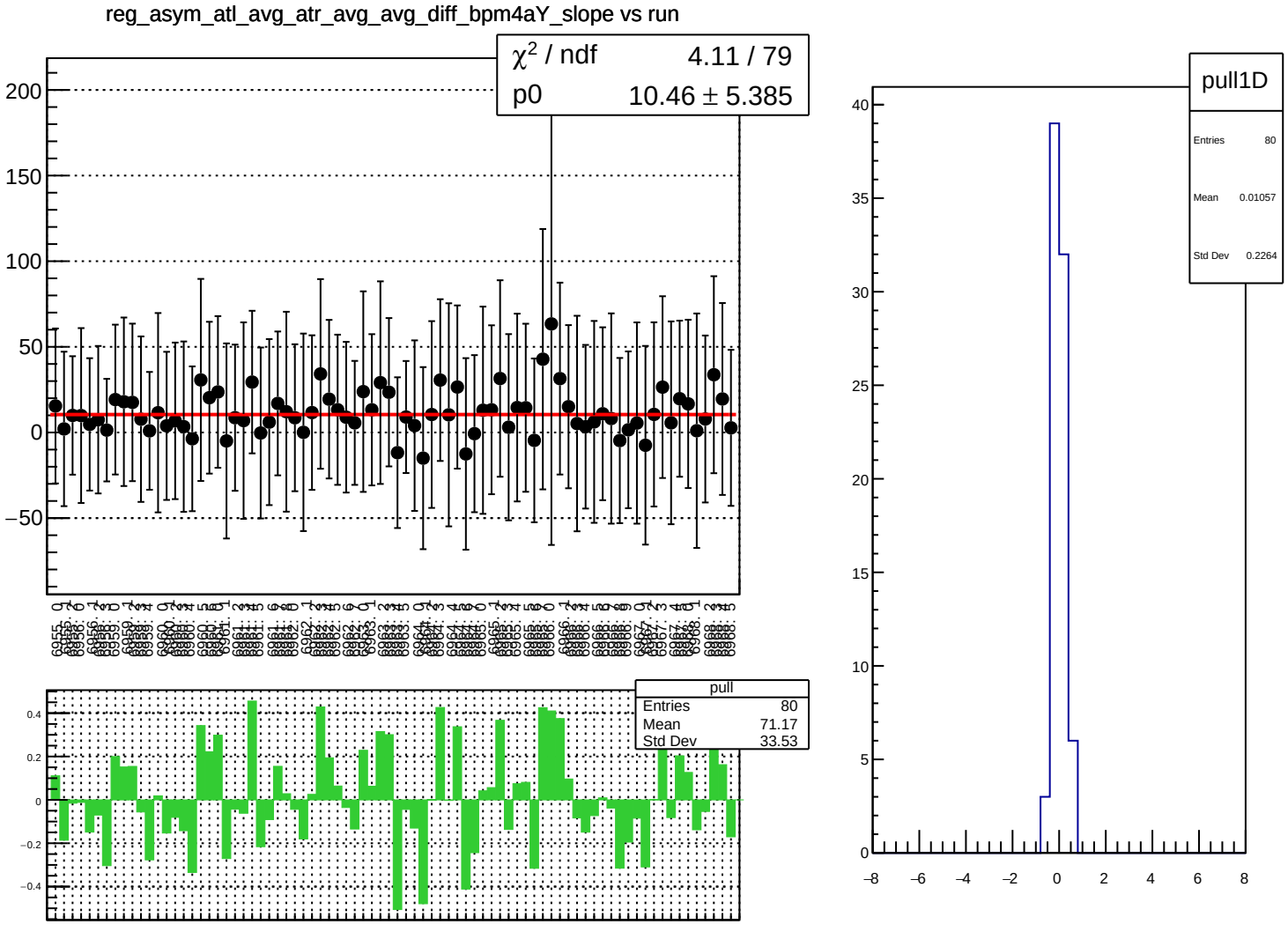

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.29 / 79
p0 −2.019 ± 1.392
pull
Entries 80
Mean 1181
Std Dev 1148

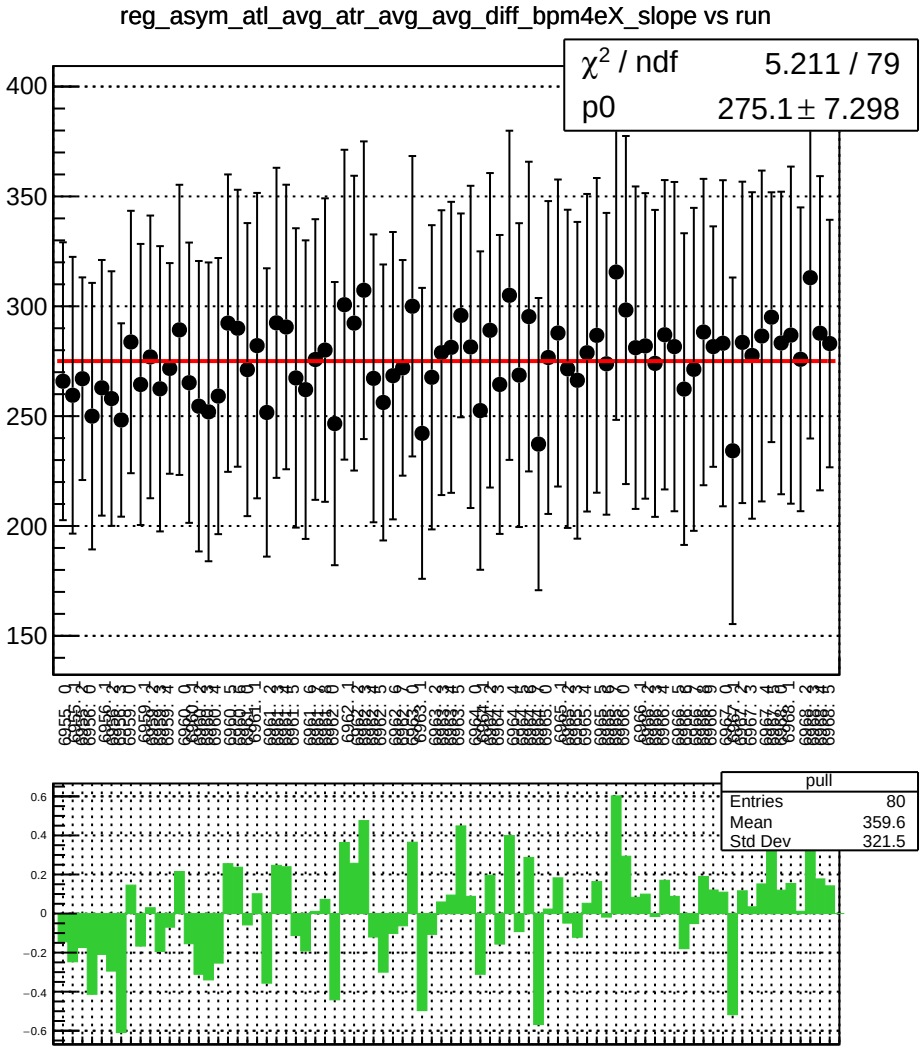

pull1D
Entries 80
Mean 0.0024
Std Dev 0.9103

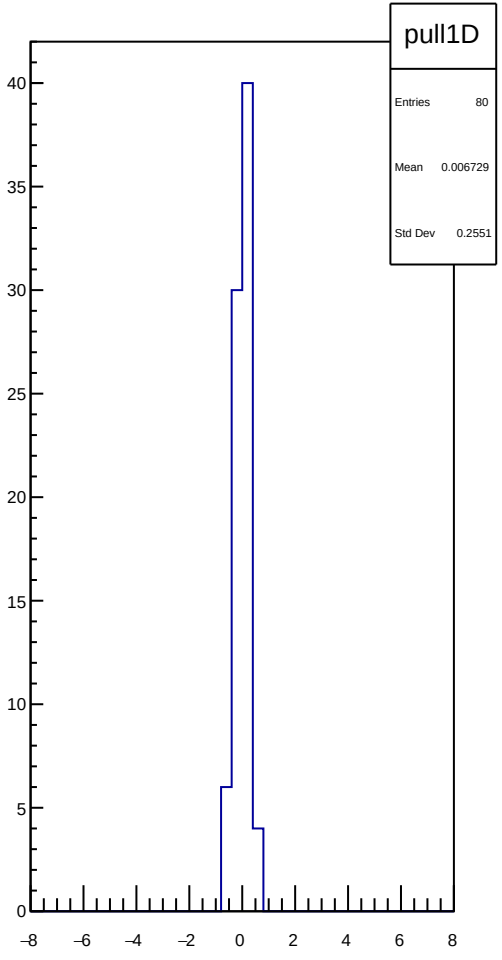

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 81.39 / 79
p0 8.355 ± 0.05395
pull
Entries 80
Mean 230.5
Std Dev 203.2
pull1D
Entries 80
Mean 0.01023
Std Dev 1.009

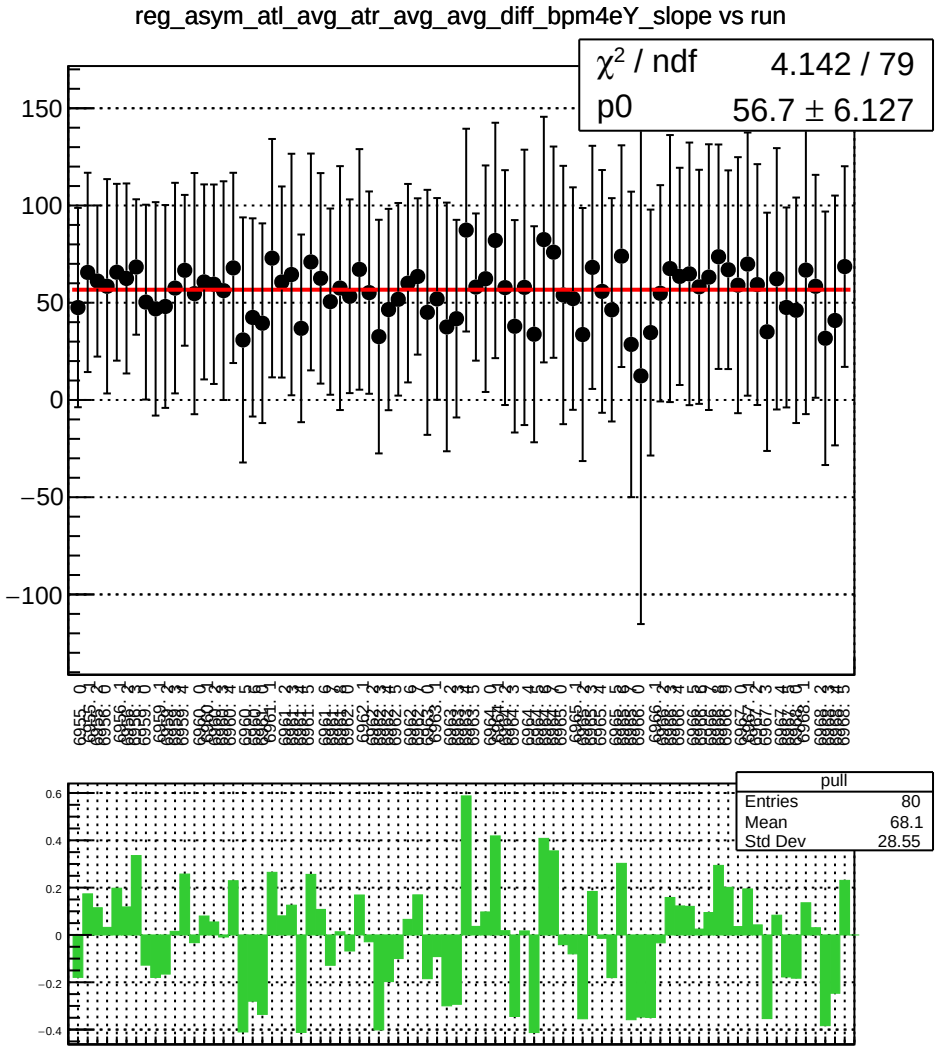

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.169 / 79
p0 −287.9 ± 7.879
pull
Entries 80
Mean 356.6
Std Dev 318.6

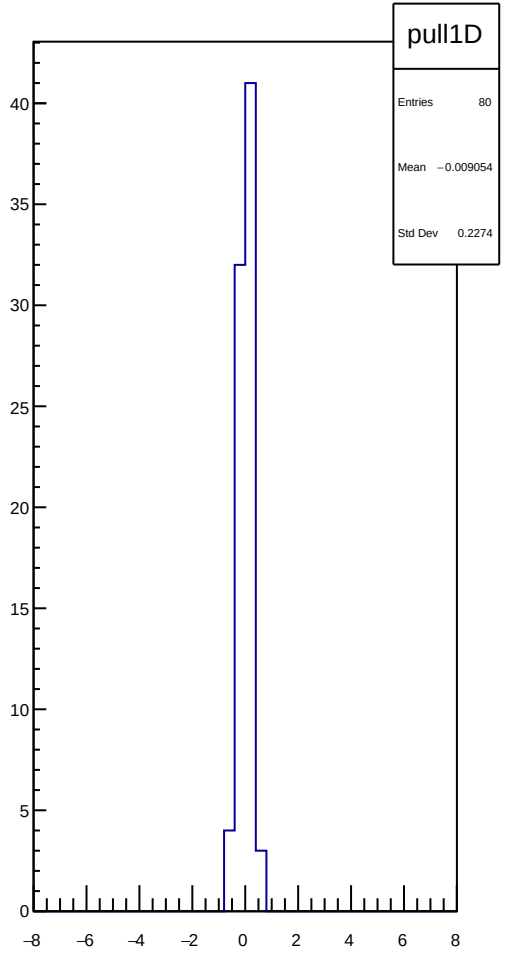

pull1D
Entries 80
Mean −0.006165
Std Dev 0.2541

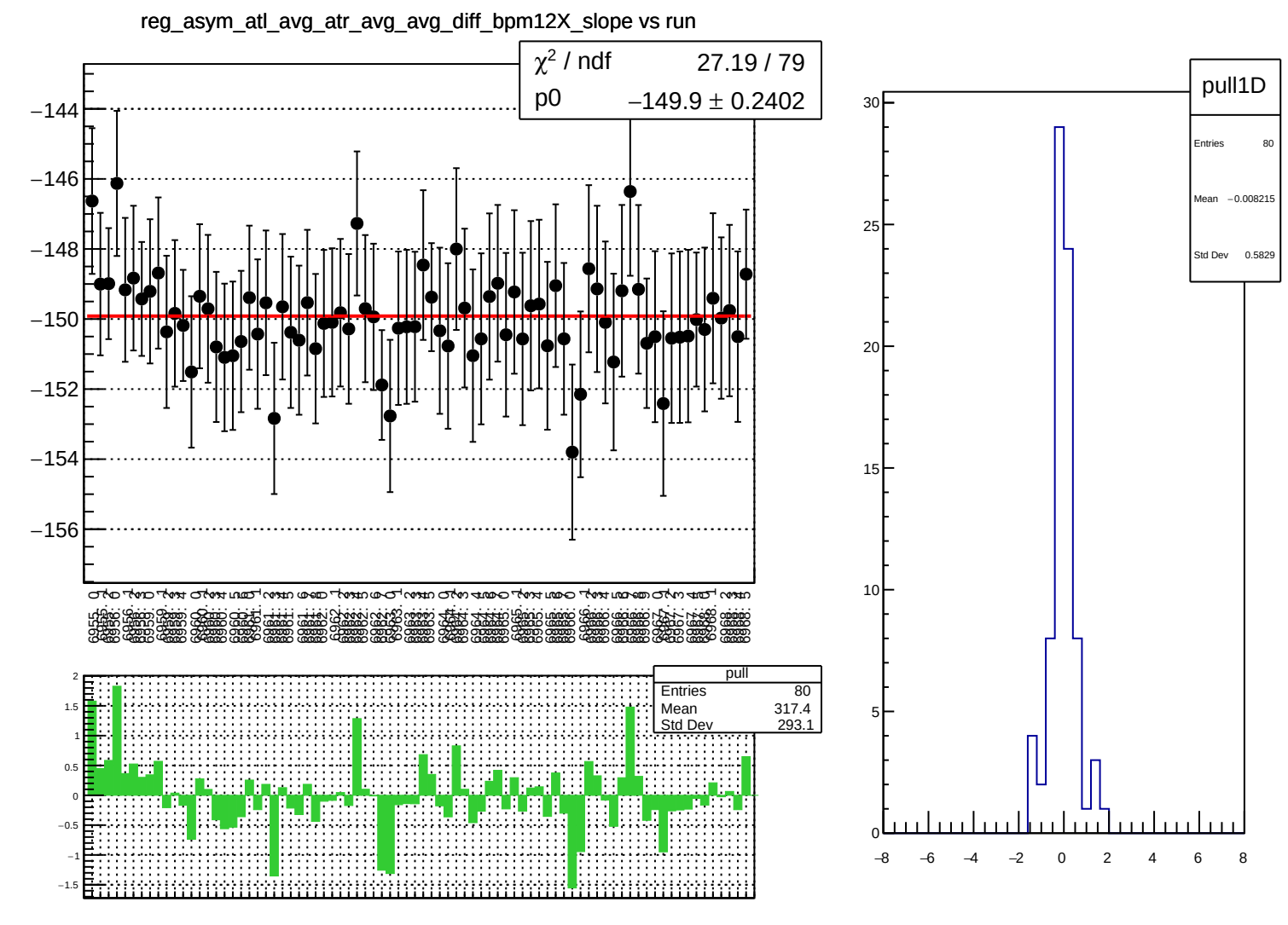

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.11 / 79
p0 10.46 ± 5.385
pull
Entries 80
Mean 71.17
Std Dev 33.53
pull1D
Entries 80
Mean 0.01057
Std Dev 0.2264

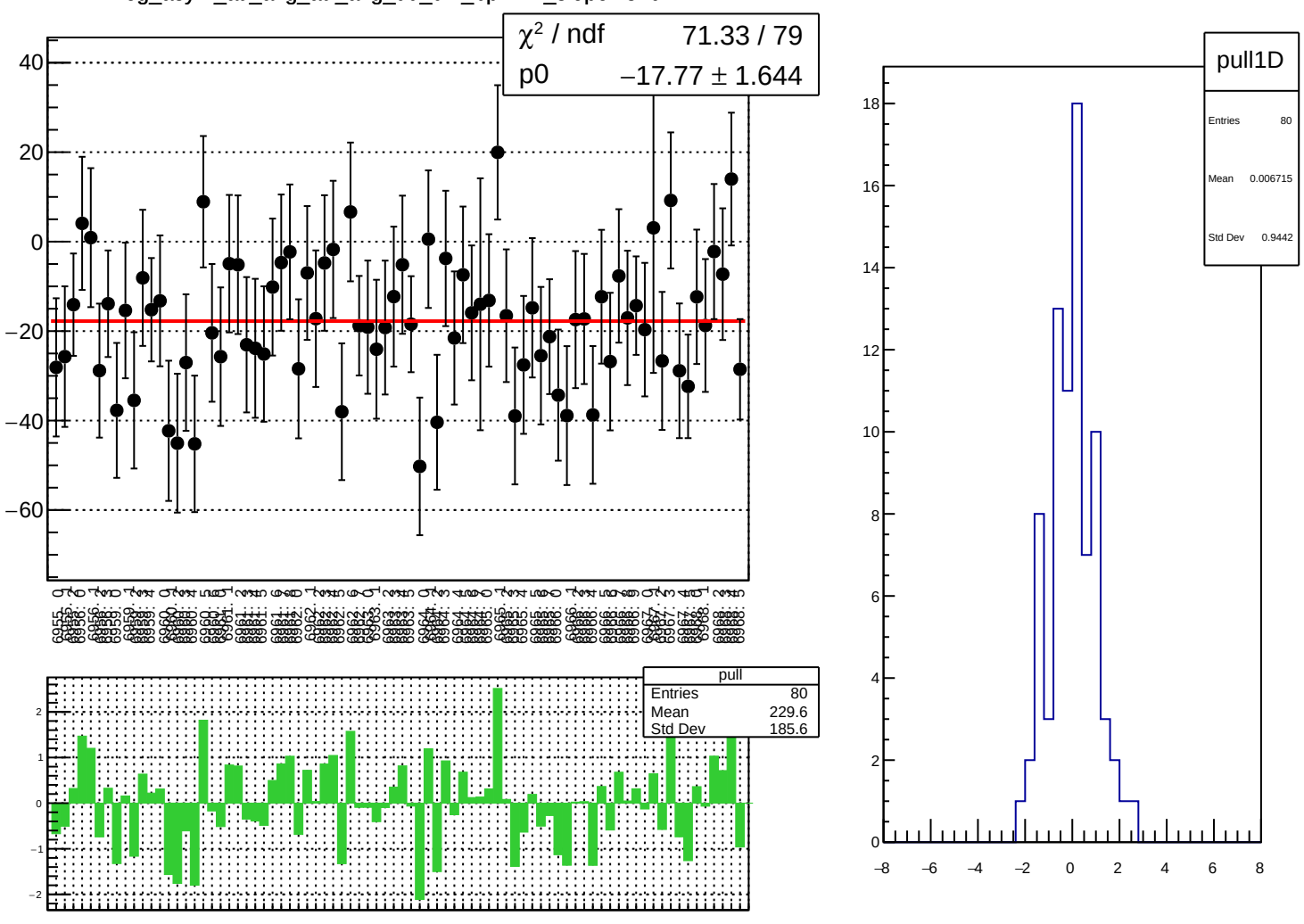

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.211 / 79
p0 275.1 ± 7.298
pull
Entries 80
Mean 359.6
Std Dev 321.5

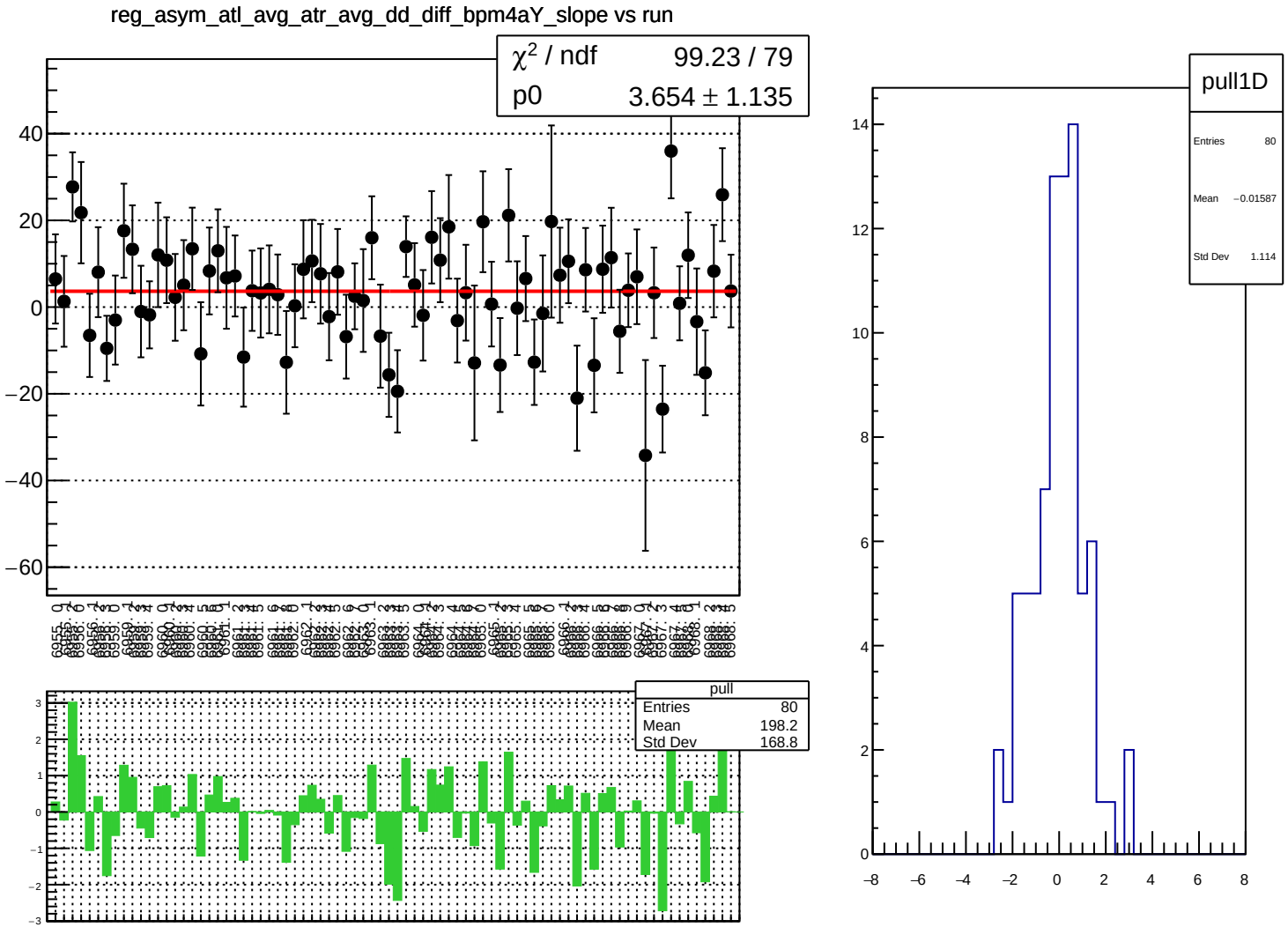

pull1D
Entries 80
Mean 0.006729
Std Dev 0.2551

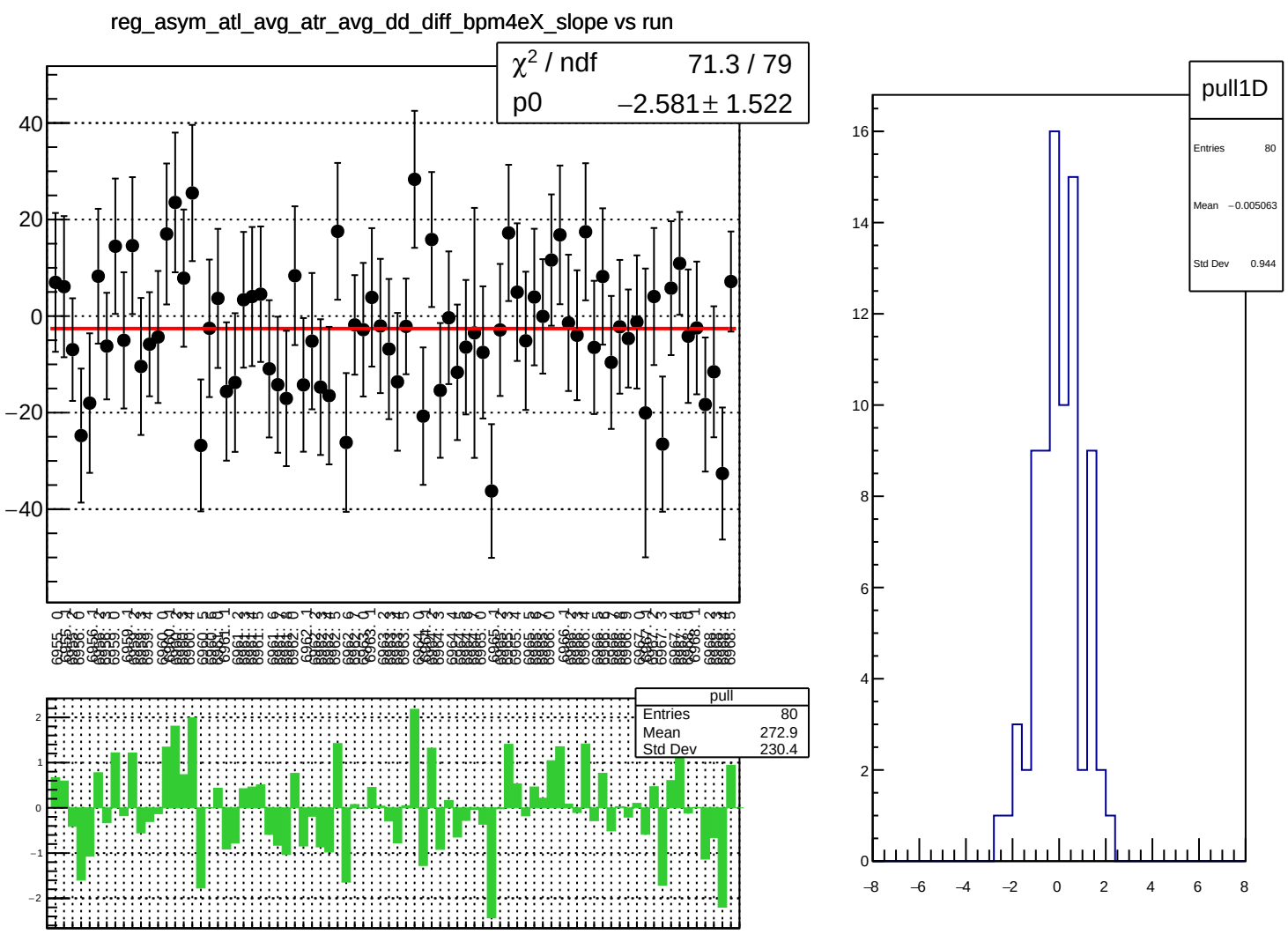

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.142 / 79
p0 56.7 ± 6.127
150
100
50
0
−50
−100
pull
Entries 80
Mean 68.1
Std Dev 28.55
0.6
0.4
0.2
0
−0.2
−0.4

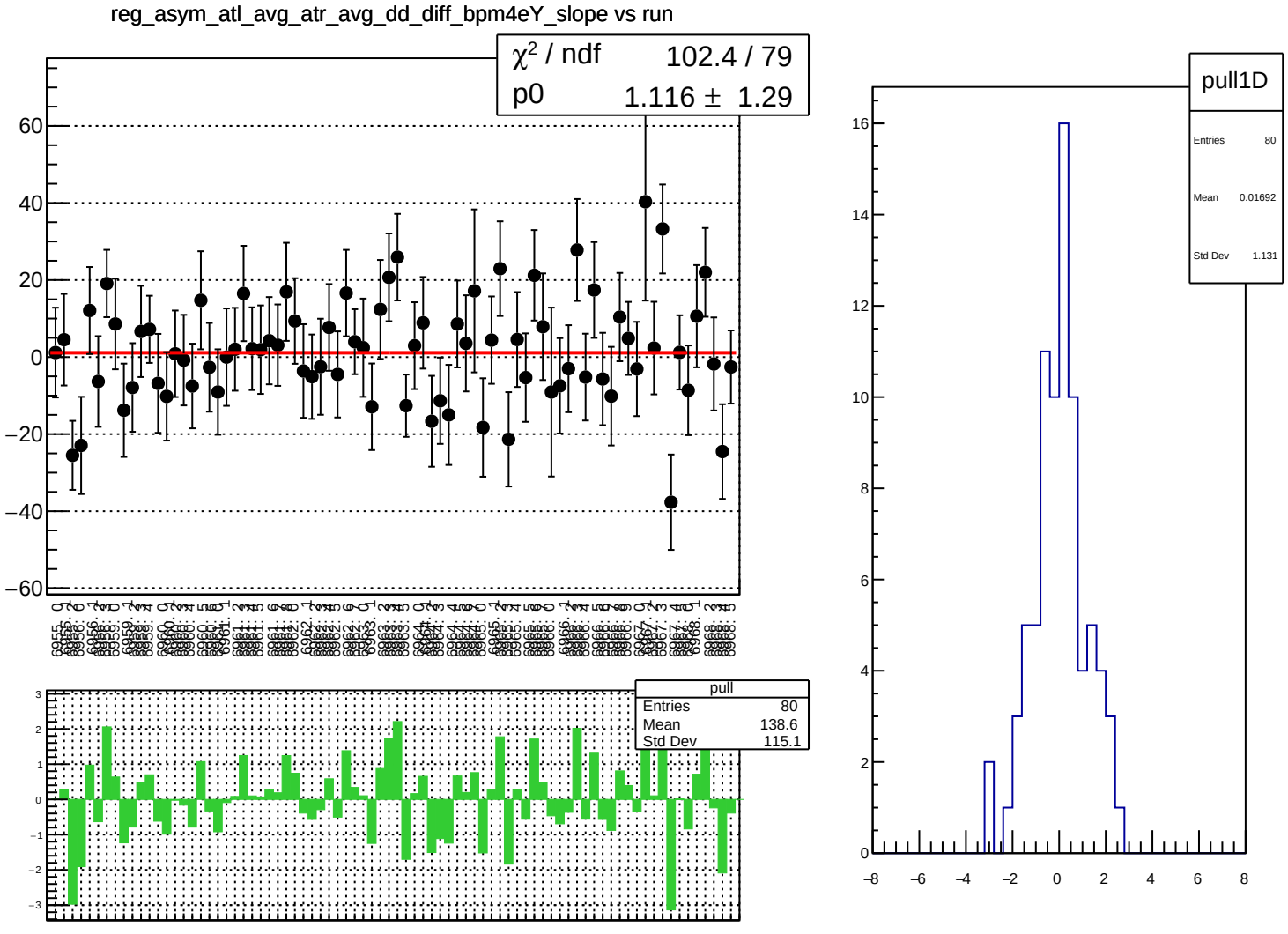

pull1D
Entries 80
Mean −0.009054
Std Dev 0.2274
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

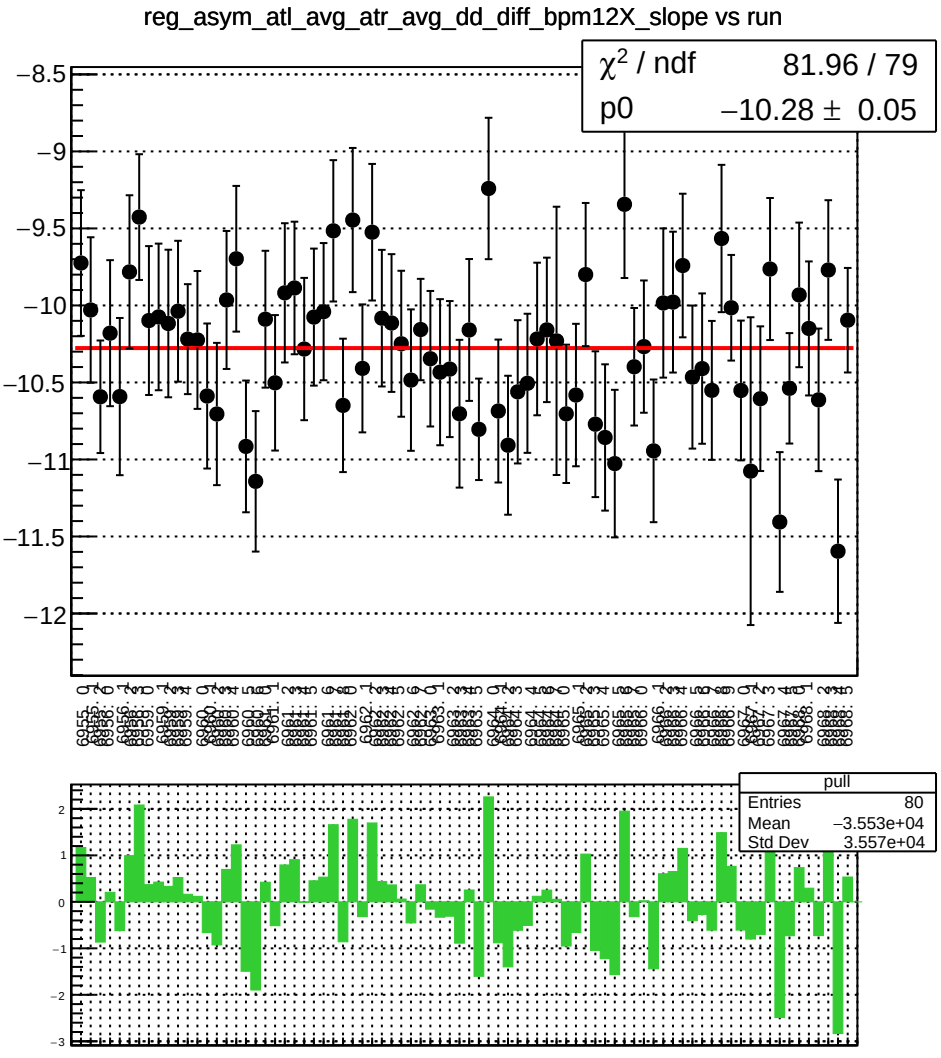

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 27.19 / 79
p0 −149.9 ± 0.2402
−144
−146
−148
−150
−152
−154
−156
pull
Entries 80
Mean 317.4
Std Dev 293.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.008215
Std Dev 0.5829
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

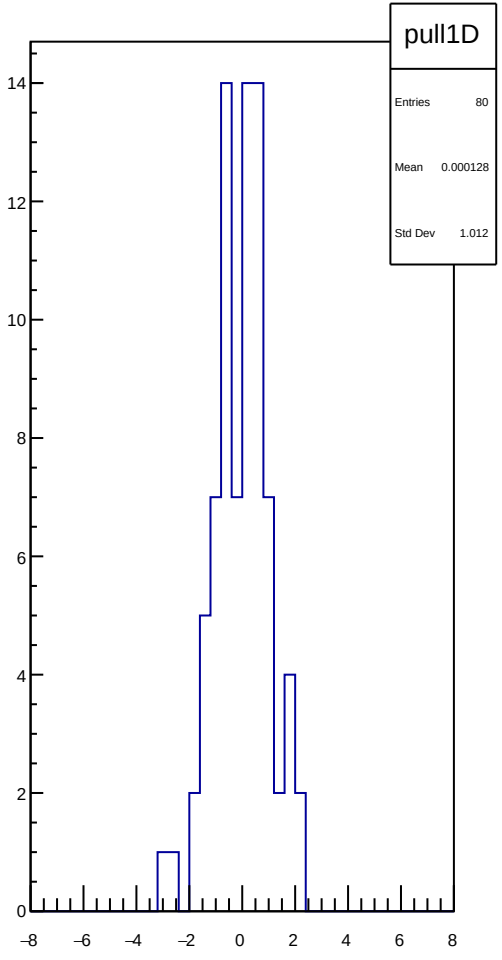

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 71.33 / 79
p0 −17.77 ± 1.644
pull
Entries 80
Mean 229.6
Std Dev 185.6
pull1D
Entries 80
Mean 0.006715
Std Dev 0.9442

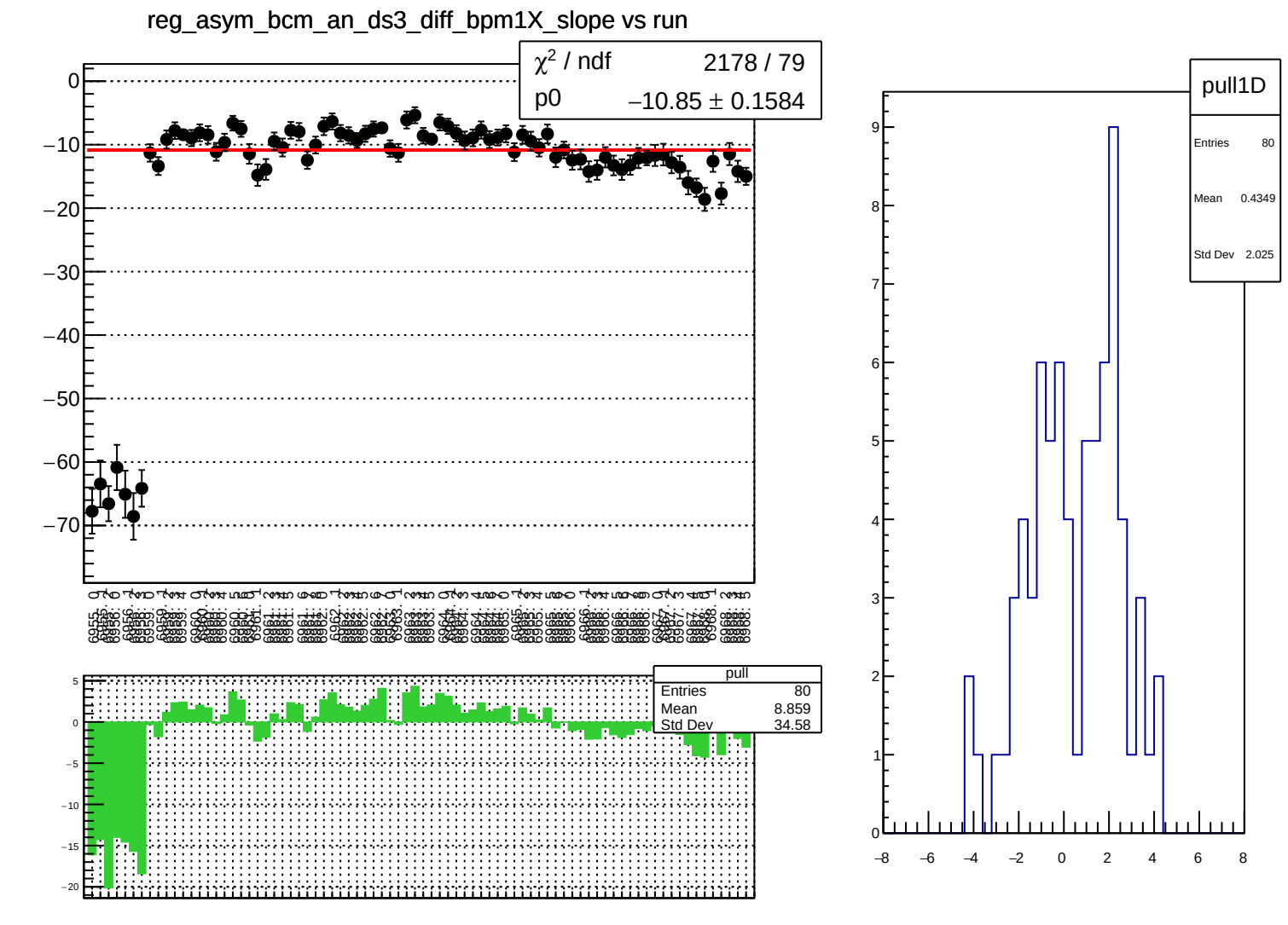

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.23 / 79
p0 3.654 ± 1.135
pull
Entries 80
Mean 198.2
Std Dev 168.8
pull1D
Entries 80
Mean −0.01587
Std Dev 1.114

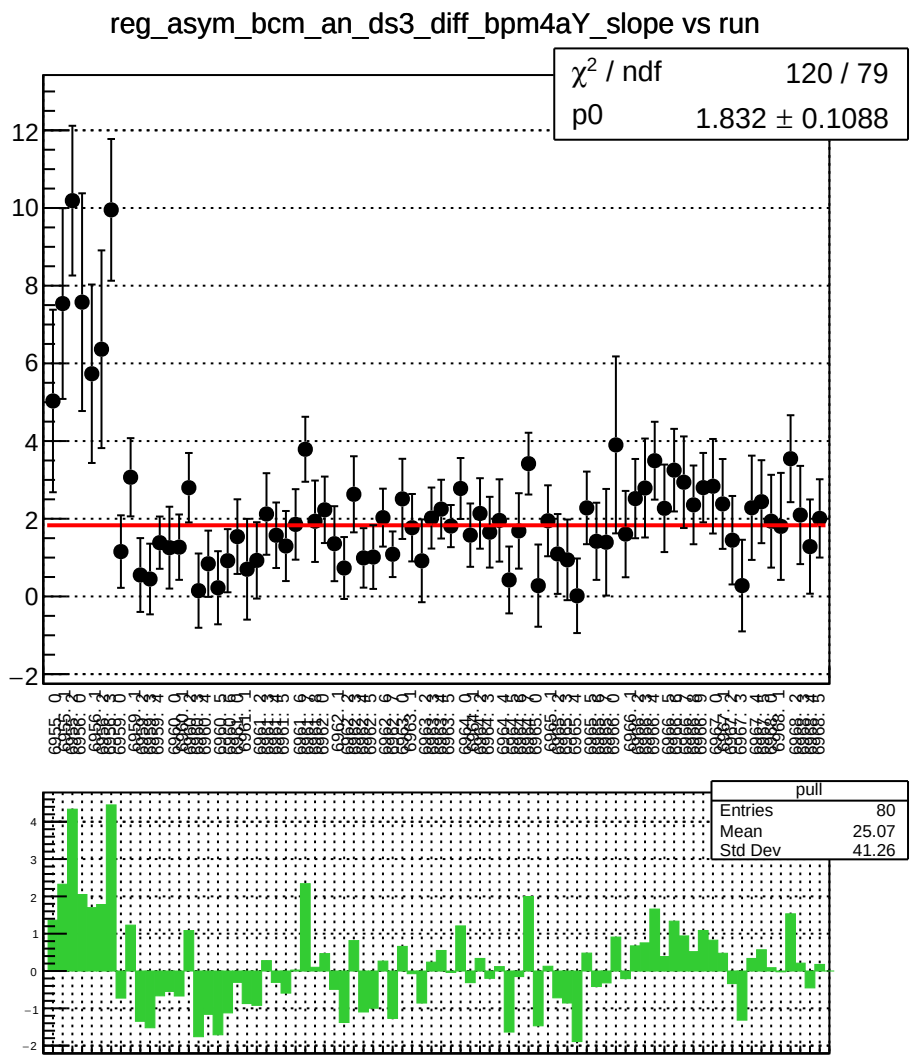

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.3 / 79
p0 −2.581 ± 1.522
pull
Entries 80
Mean 272.9
Std Dev 230.4
pull1D
Entries 80
Mean −0.005063
Std Dev 0.944

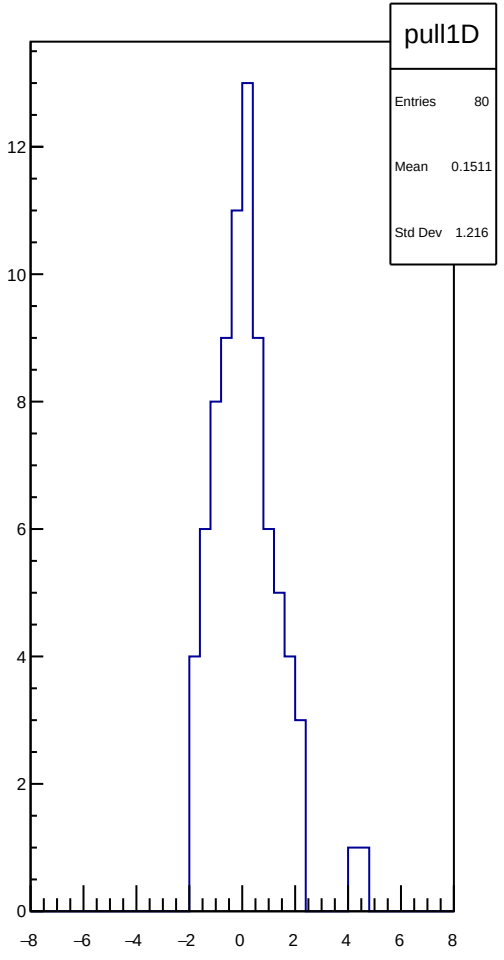

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.4 / 79
p0 1.116 ± 1.29
pull
Entries 80
Mean 138.6
Std Dev 115.1
pull1D
Entries 80
Mean 0.01692
Std Dev 1.131

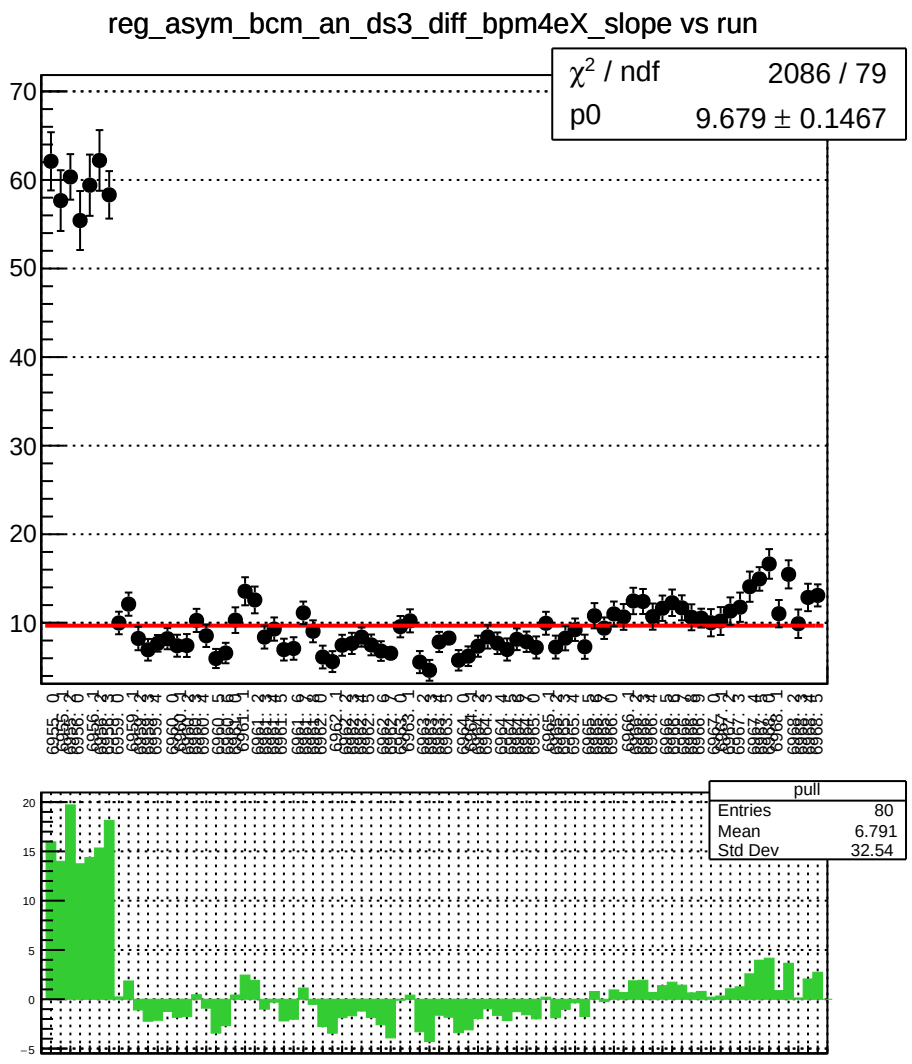

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 81.96 / 79
p0 −10.28 ± 0.05
−8.5
−9
−9.5
−10
−10.5
−11
−11.5
−12
pull
Entries 80
Mean −3.553e+04
Std Dev 3.557e+04
2
1
0
−1
−2
−3

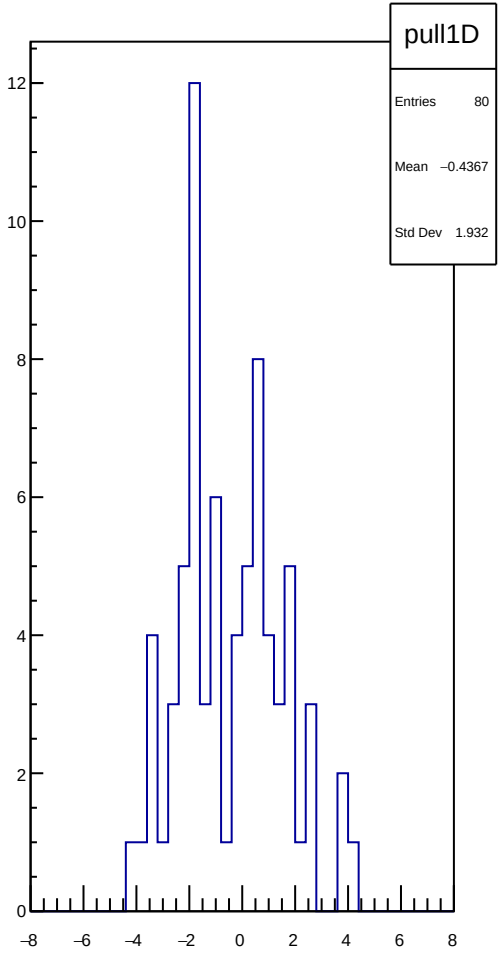

pull1D
Entries 80
Mean 0.000128
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

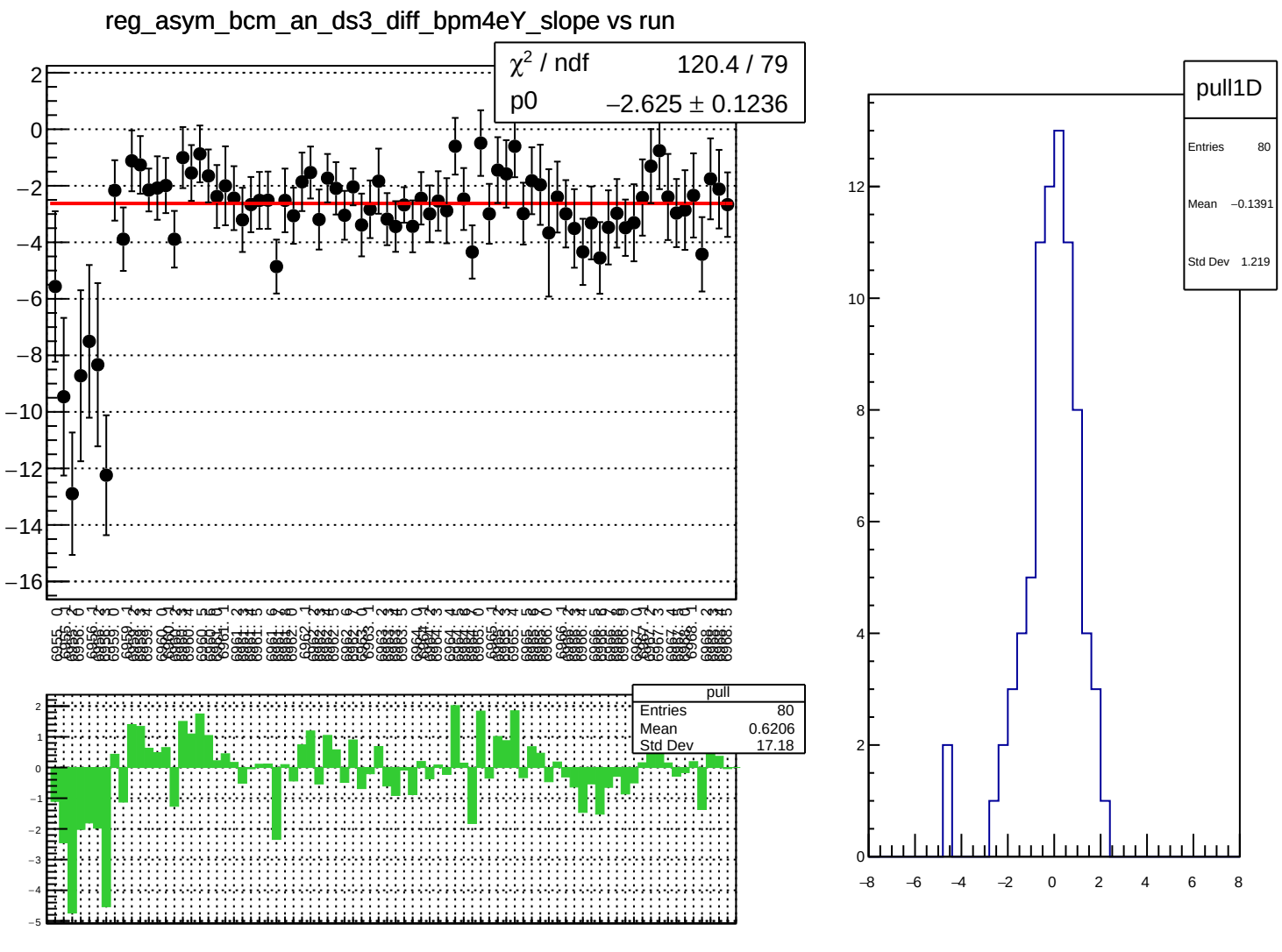

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2178 / 79
p0 −10.85 ± 0.1584
pull
Entries 80
Mean 8.859
Std Dev 34.58
pull1D
Entries 80
Mean 0.4349
Std Dev 2.025

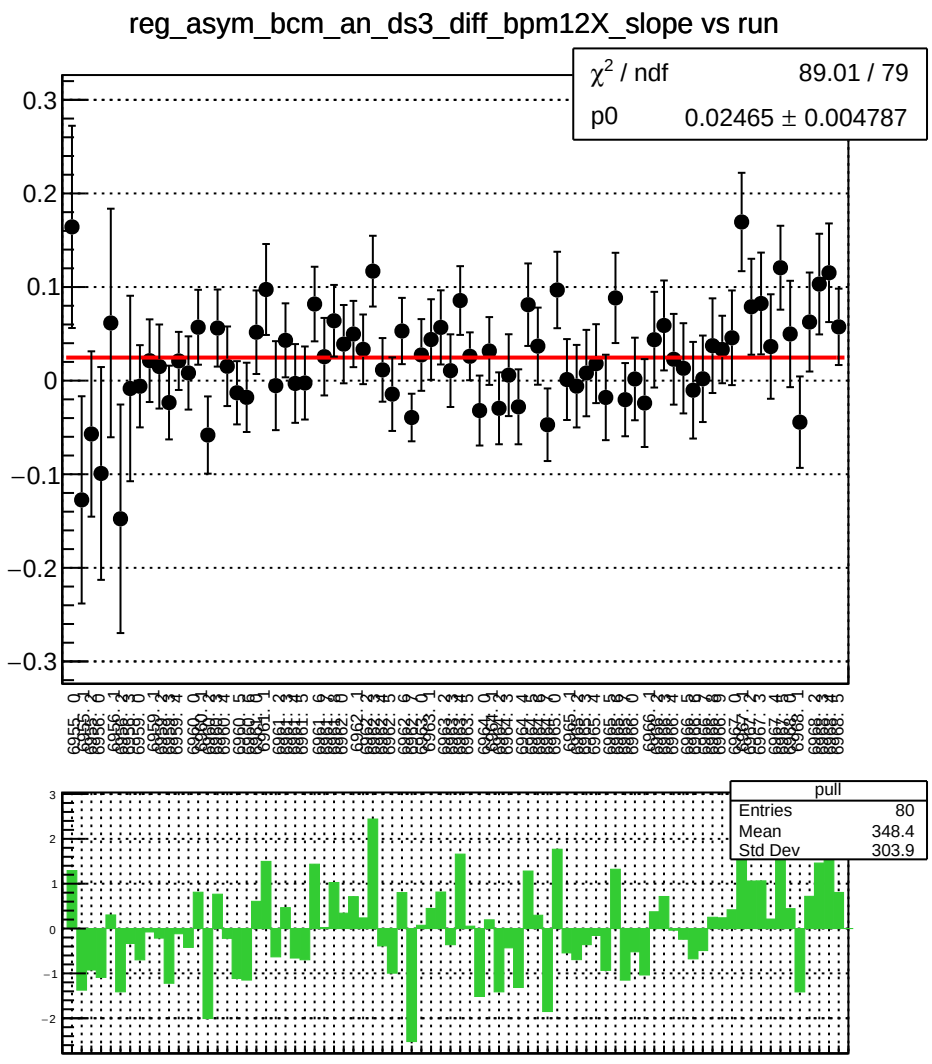

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 120 / 79
p0 1.832 ± 0.1088
pull
Entries 80
Mean 25.07
Std Dev 41.26

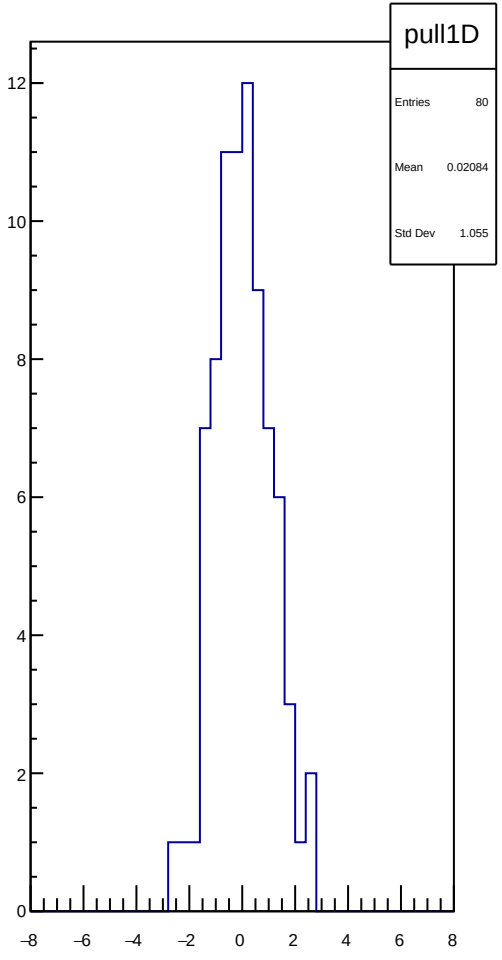

pull1D
Entries 80
Mean 0.1511
Std Dev 1.216

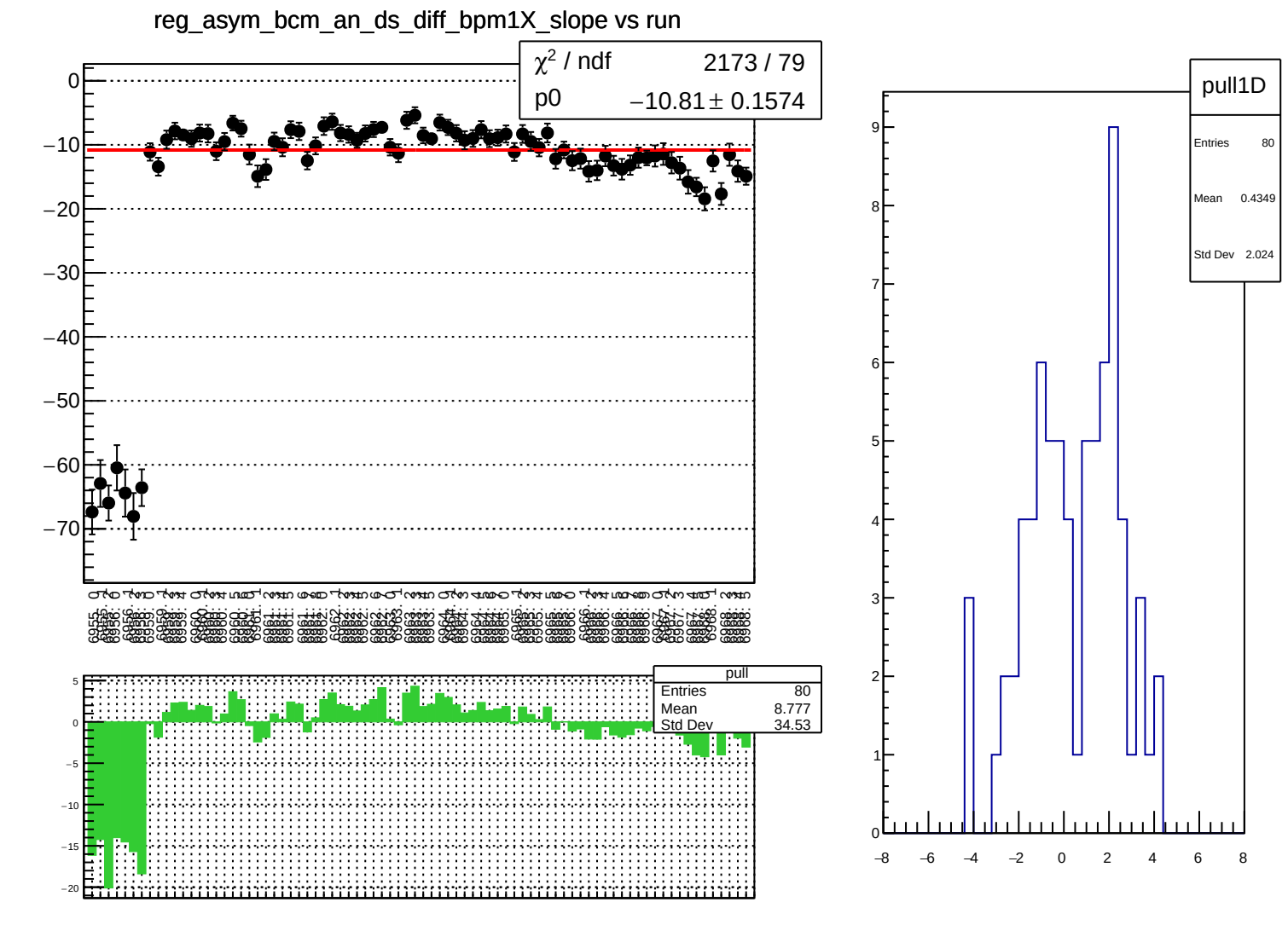

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2086 / 79
p0 9.679 ± 0.1467
pull
Entries 80
Mean 6.791
Std Dev 32.54

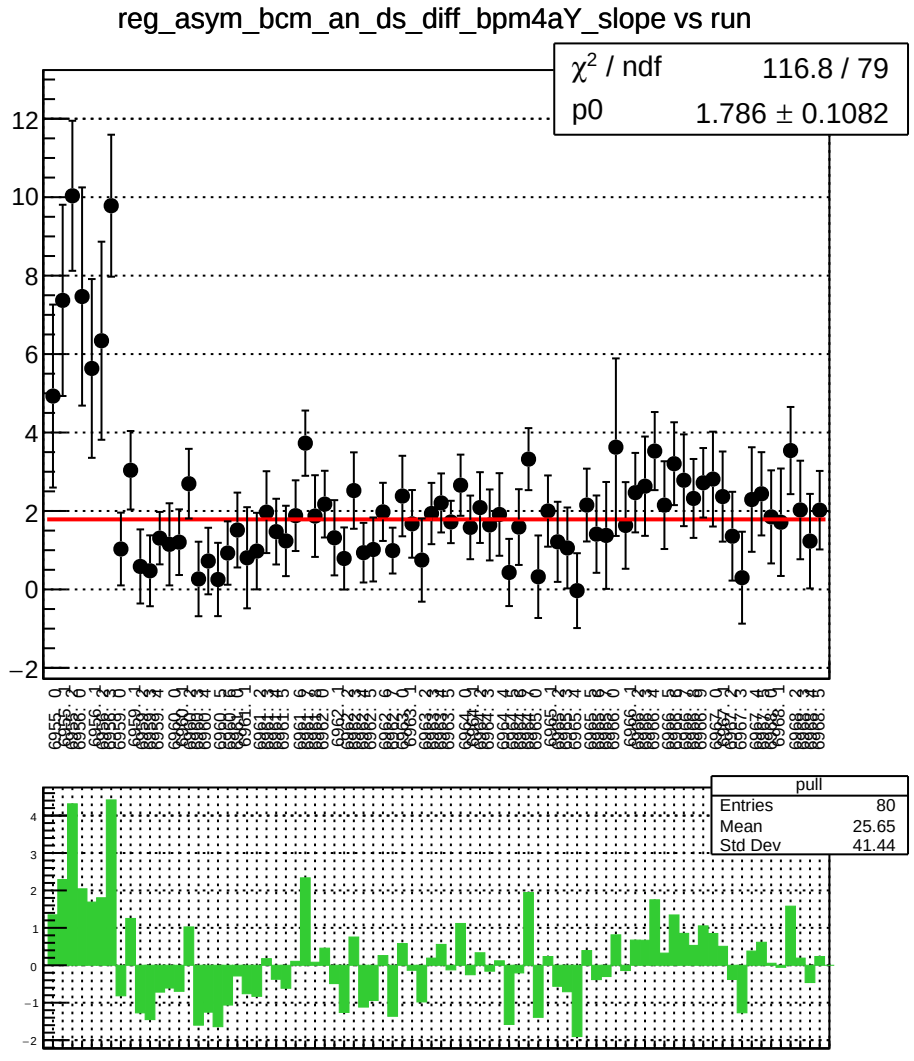

pull1D
Entries 80
Mean −0.4367
Std Dev 1.932

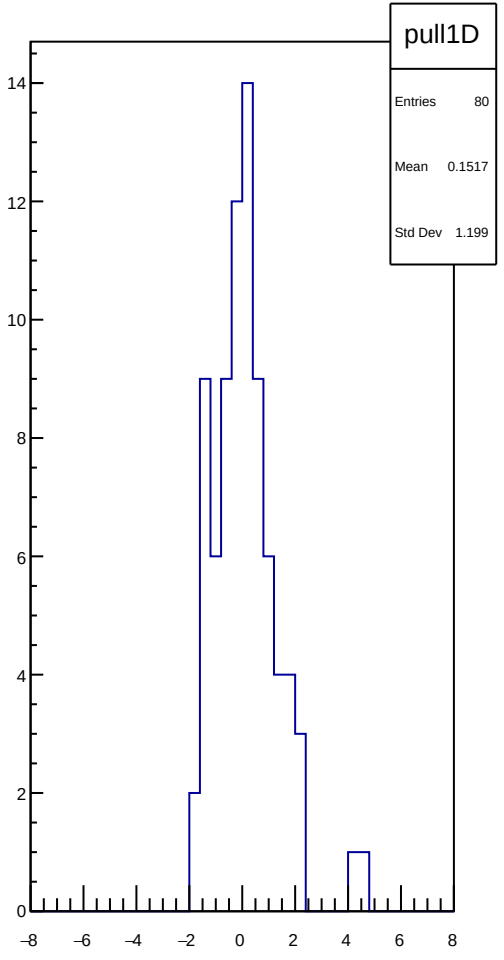

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 120.4 / 79
p0 −2.625 ± 0.1236
pull
Entries 80
Mean 0.6206
Std Dev 17.18
pull1D
Entries 80
Mean −0.1391
Std Dev 1.219

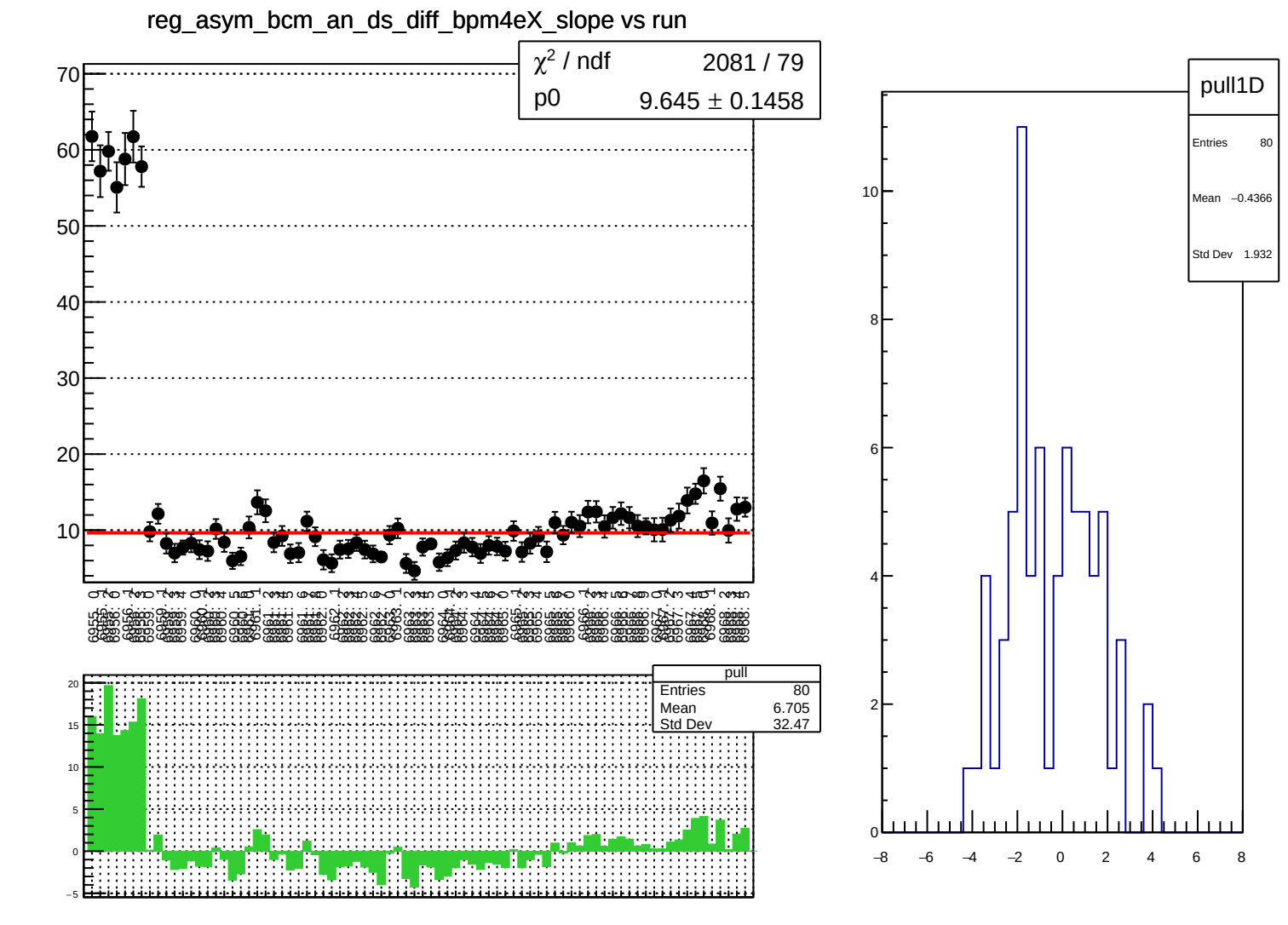

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 89.01 / 79
p0 0.02465 ± 0.004787
pull
Entries 80
Mean 348.4
Std Dev 303.9

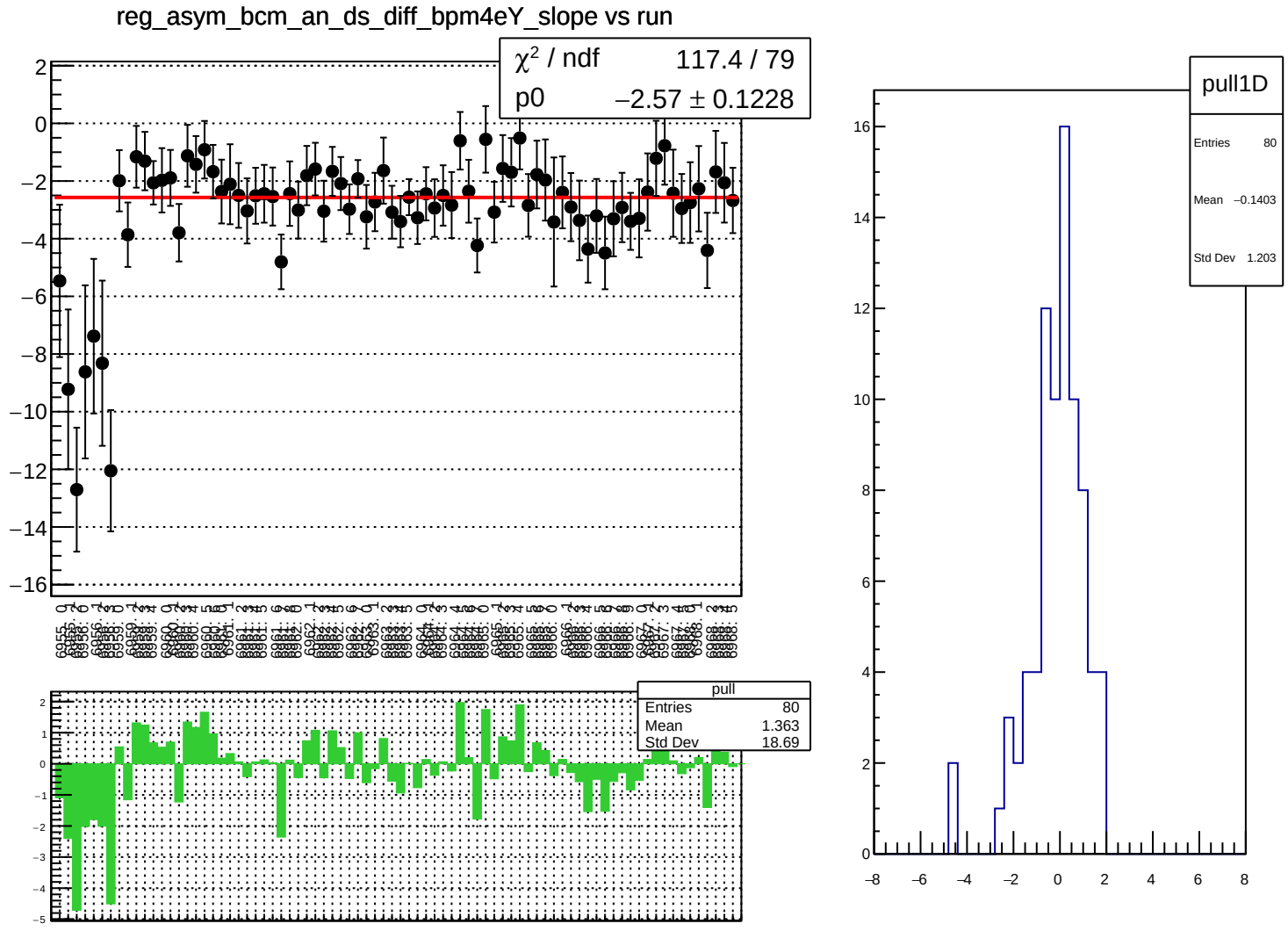

pull1D
Entries 80
Mean 0.02084
Std Dev 1.055

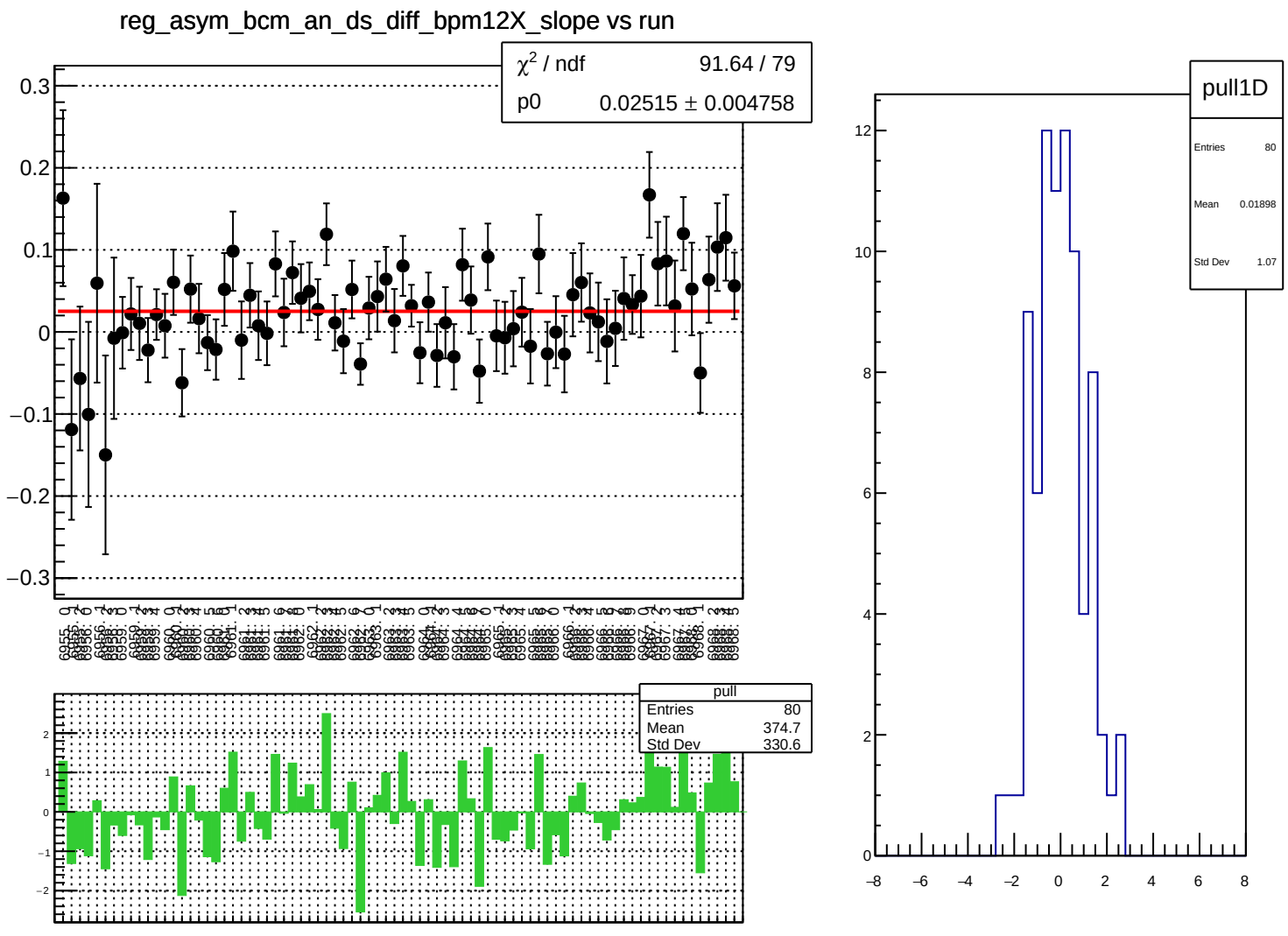

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2173 / 79
p0 −10.81 ± 0.1574
pull
Entries 80
Mean 8.777
Std Dev 34.53
pull1D
Entries 80
Mean 0.4349
Std Dev 2.024

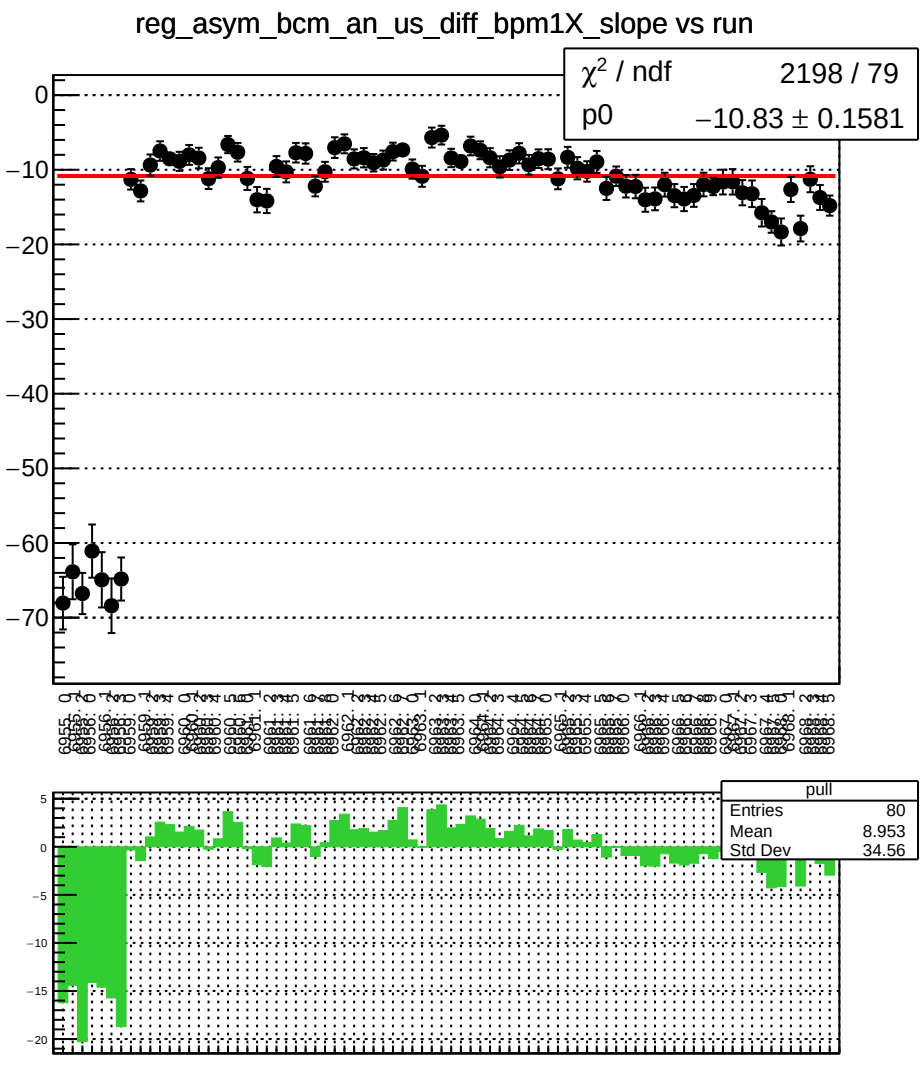

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 116.8 / 79
p0 1.786 ± 0.1082
pull
Entries 80
Mean 25.65
Std Dev 41.44

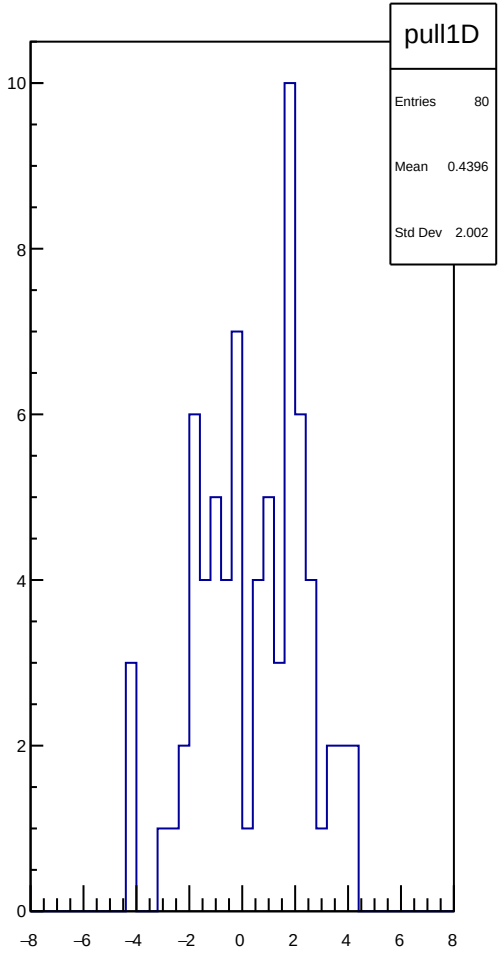

pull1D
Entries 80
Mean 0.1517
Std Dev 1.199

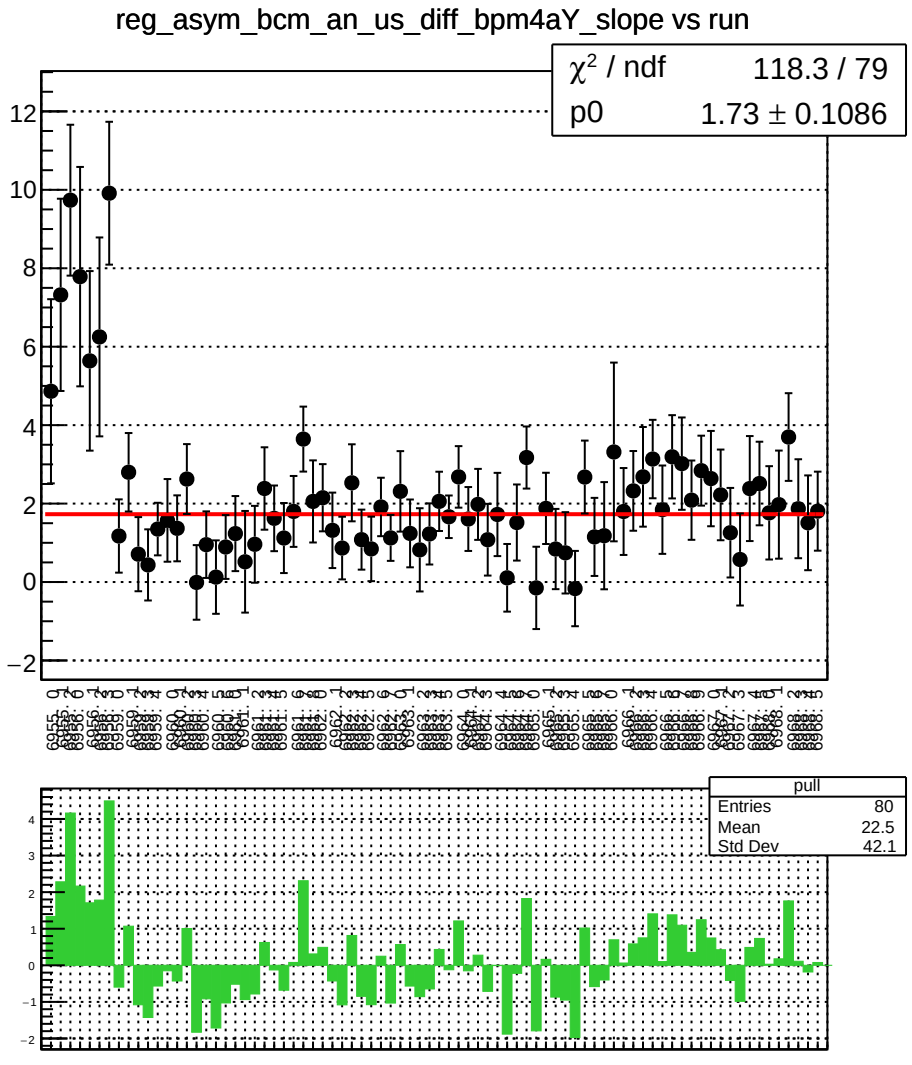

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2081 / 79
p0 9.645 ± 0.1458
pull
Entries 80
Mean 6.705
Std Dev 32.47
pull1D
Entries 80
Mean −0.4366
Std Dev 1.932

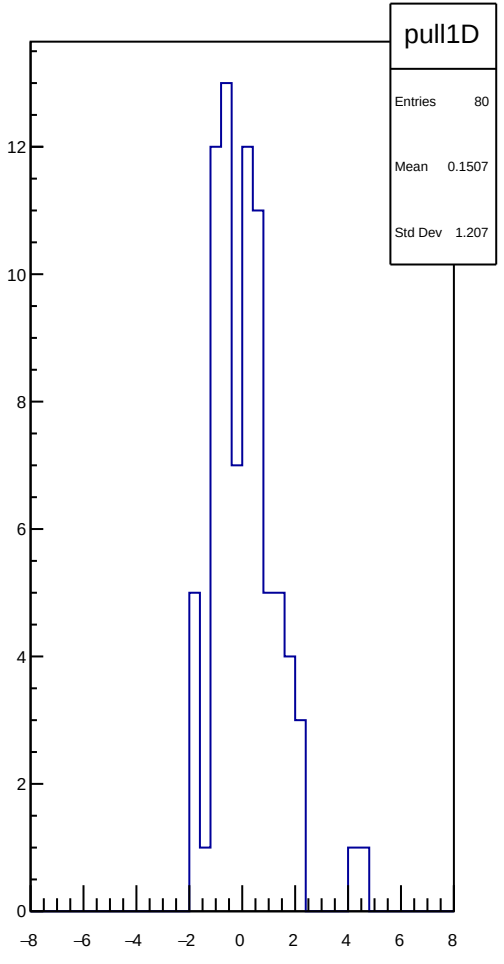

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 117.4 / 79
p0 −2.57 ± 0.1228
pull
Entries 80
Mean 1.363
Std Dev 18.69
pull1D
Entries 80
Mean −0.1403
Std Dev 1.203

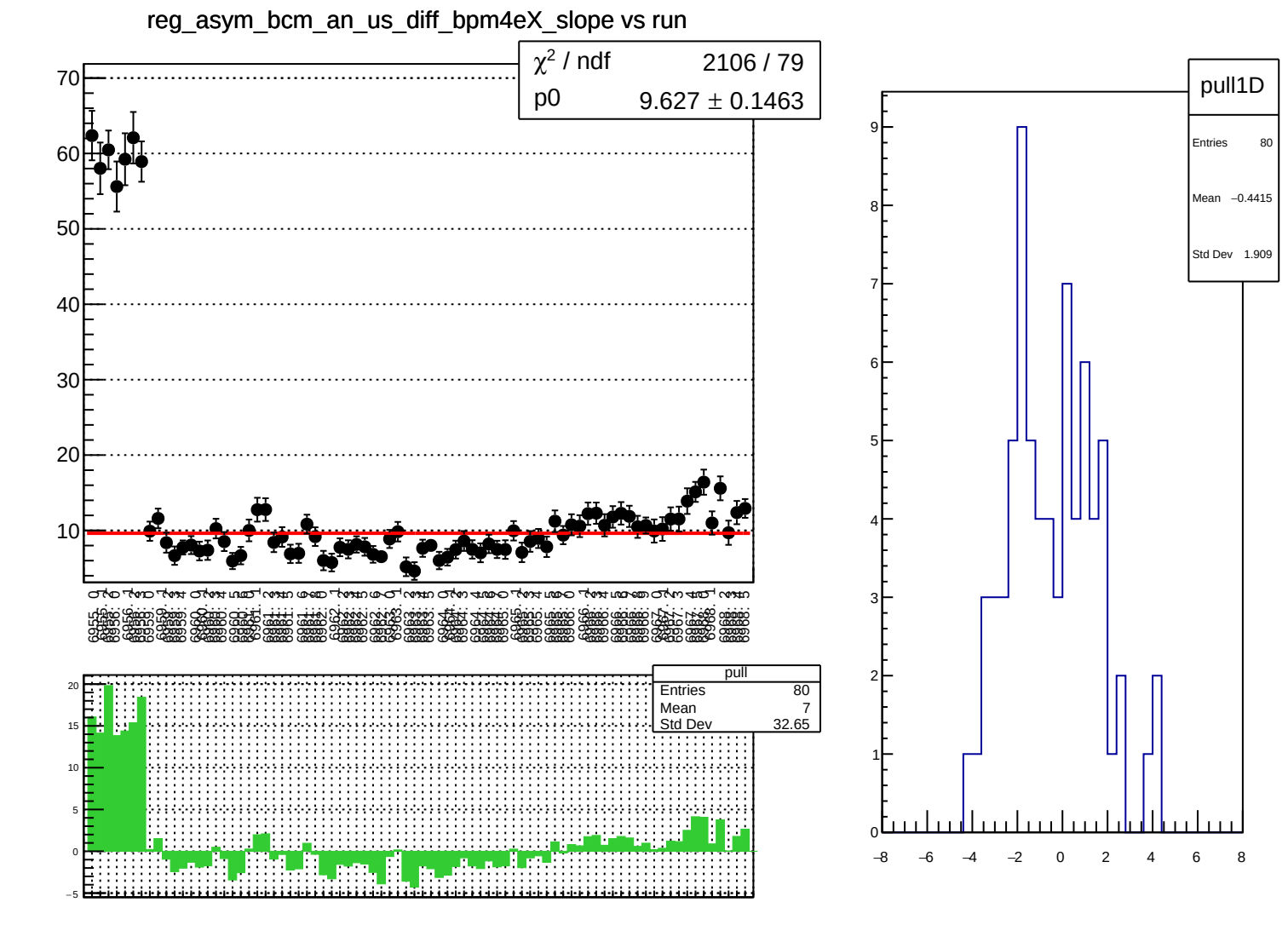

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 91.64 / 79
p0 0.02515 ± 0.004758
pull
Entries 80
Mean 374.7
Std Dev 330.6
pull1D
Entries 80
Mean 0.01898
Std Dev 1.07

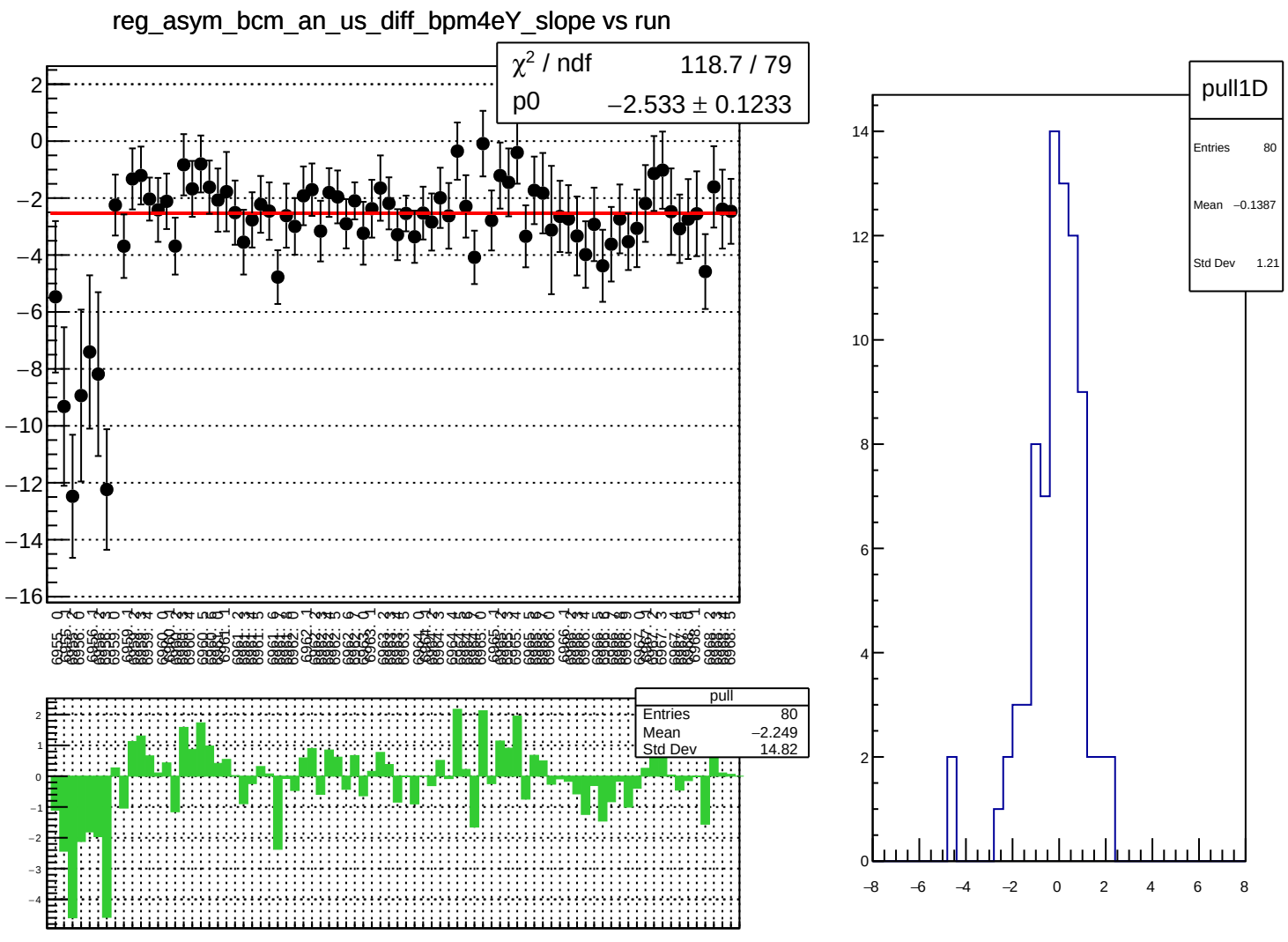

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2198 / 79
p0 −10.83 ± 0.1581
pull
Entries 80
Mean 8.953
Std Dev 34.56

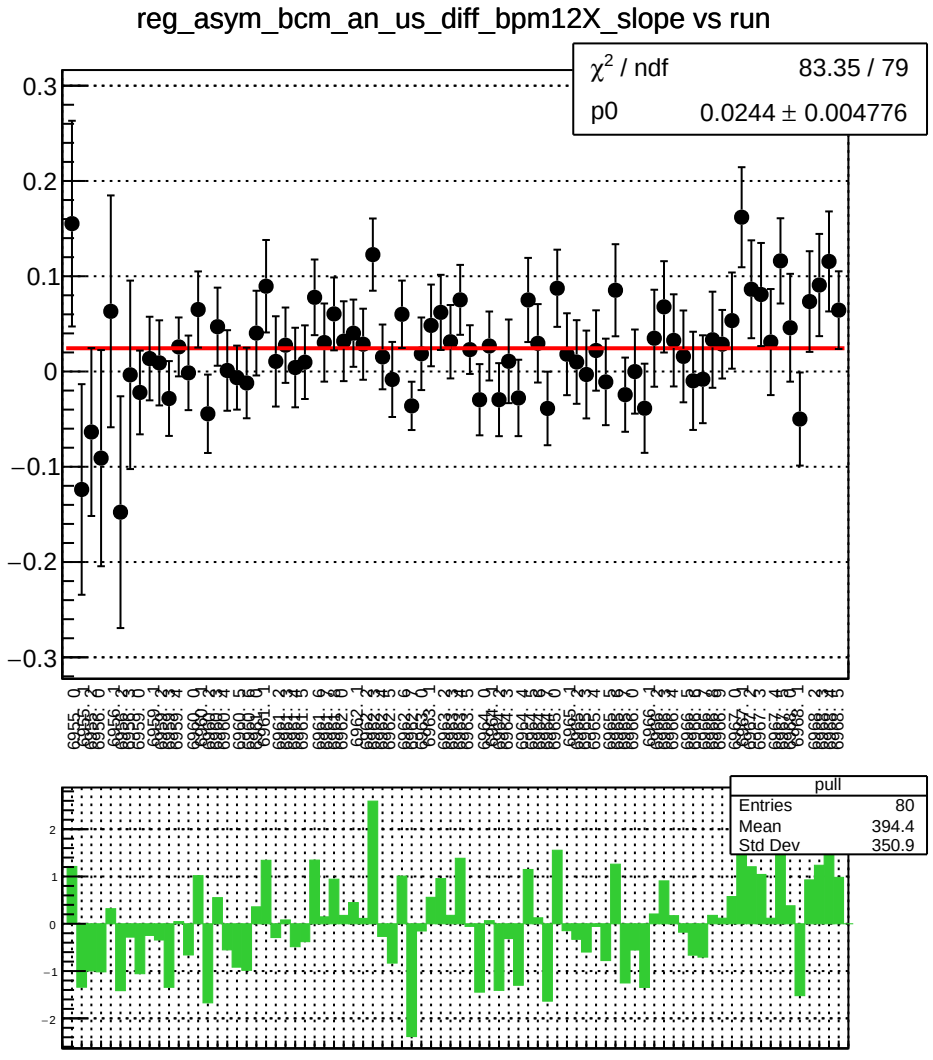

pull1D
Entries 80
Mean 0.4396
Std Dev 2.002

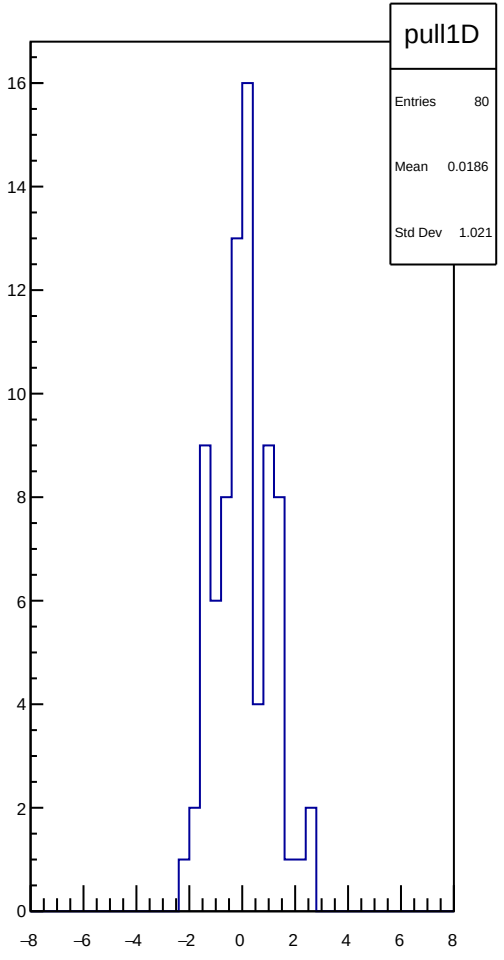

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 118.3 / 79
p0 1.73 ± 0.1086
pull
Entries 80
Mean 22.5
Std Dev 42.1

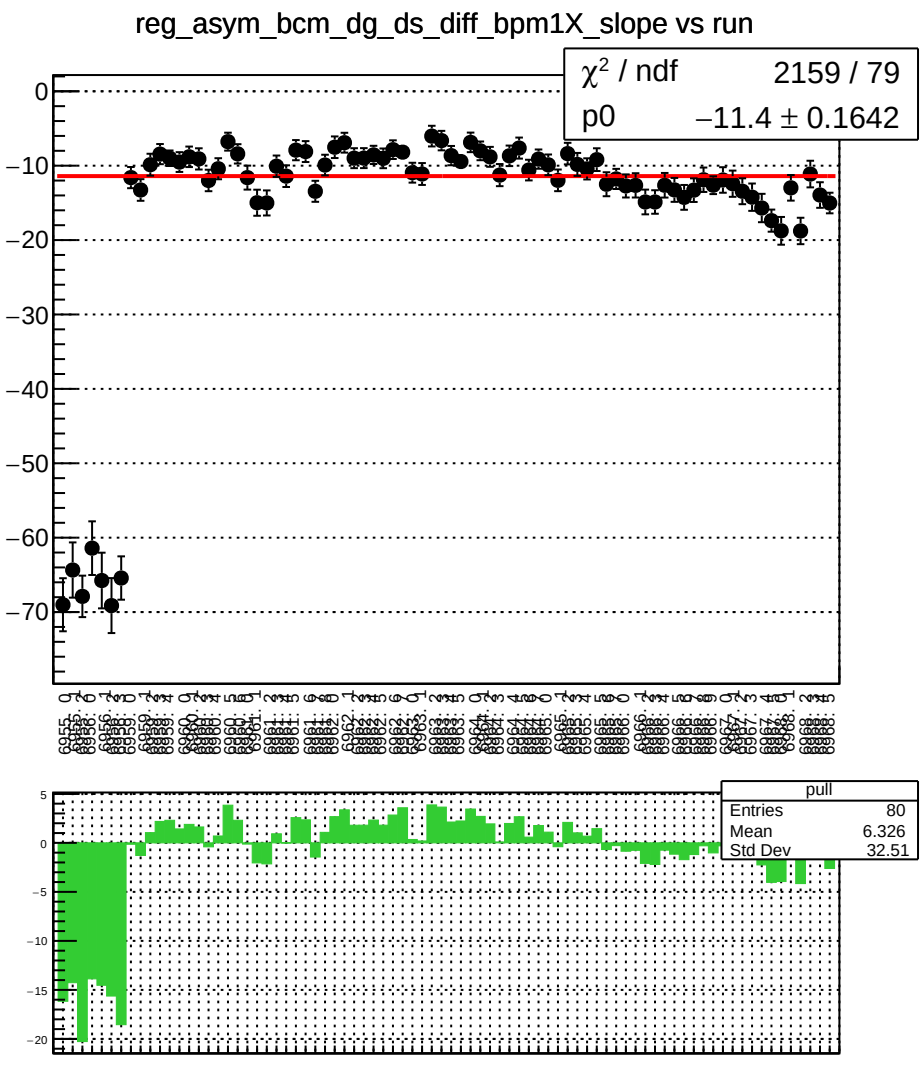

pull1D
Entries 80
Mean 0.1507
Std Dev 1.207

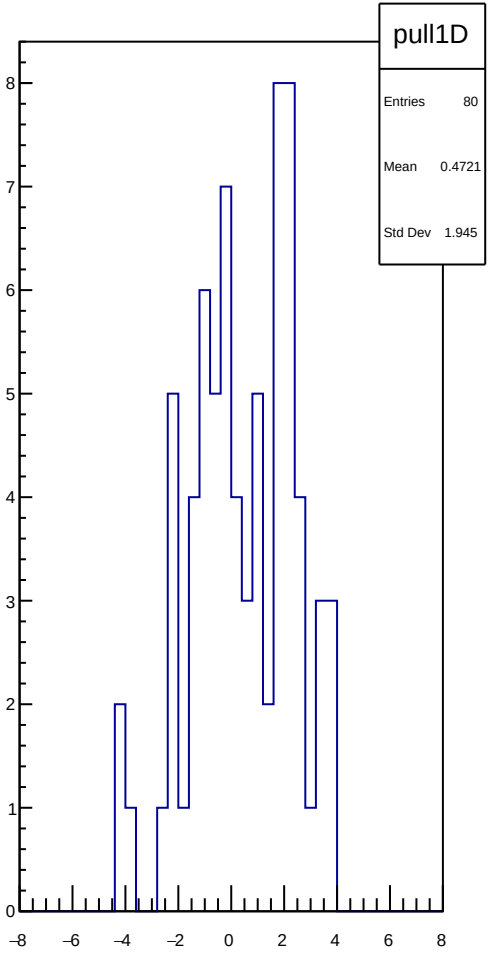

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2106 / 79
p0 9.627 ± 0.1463
pull
Entries 80
Mean 7
Std Dev 32.65
pull1D
Entries 80
Mean −0.4415
Std Dev 1.909

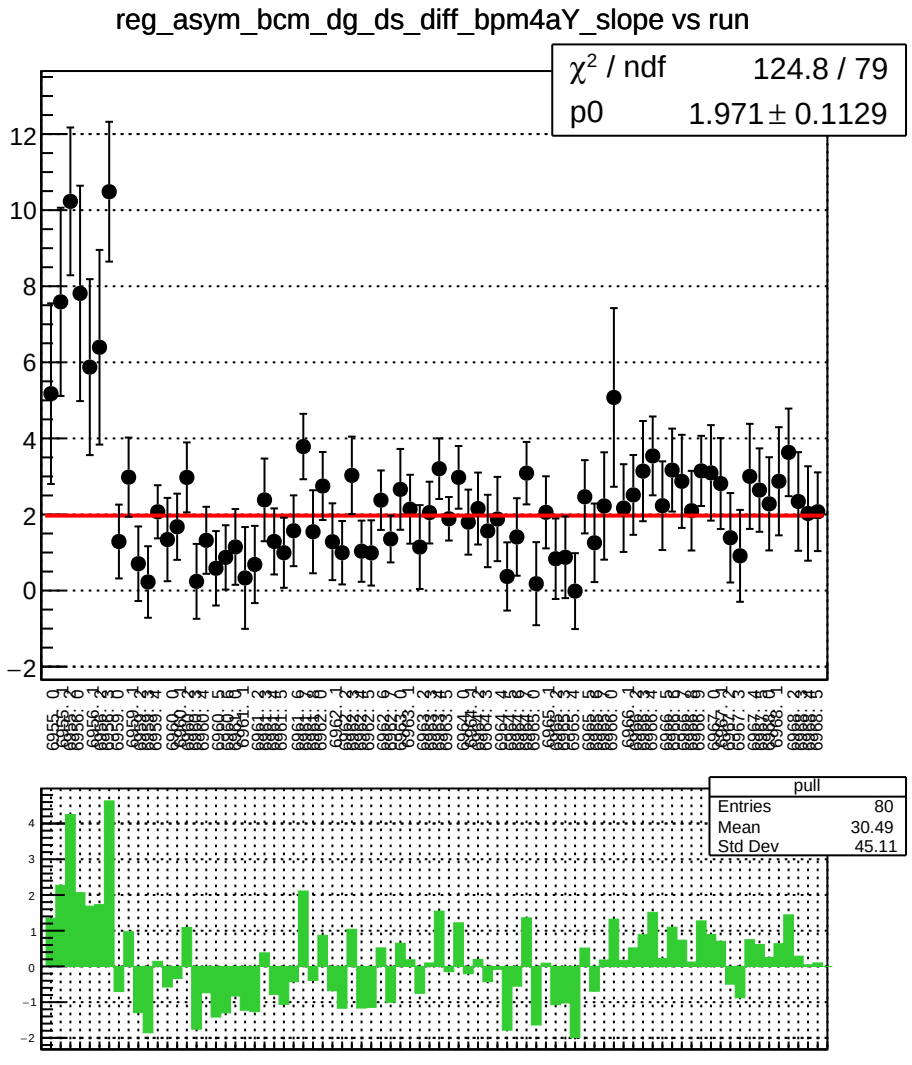

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 118.7 / 79
p0 −2.533 ± 0.1233
pull
Entries 80
Mean −2.249
Std Dev 14.82
pull1D
Entries 80
Mean −0.1387
Std Dev 1.21

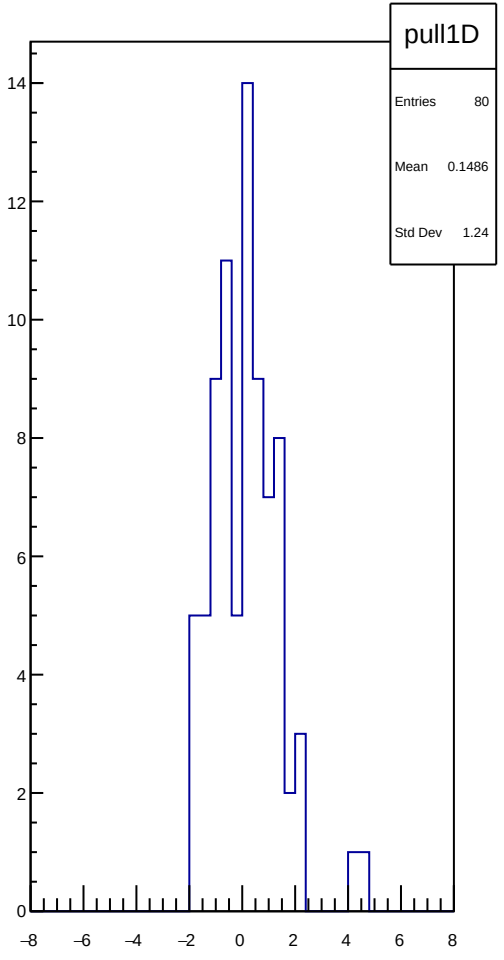

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 83.35 / 79
p0 0.0244 ± 0.004776
pull
Entries 80
Mean 394.4
Std Dev 350.9

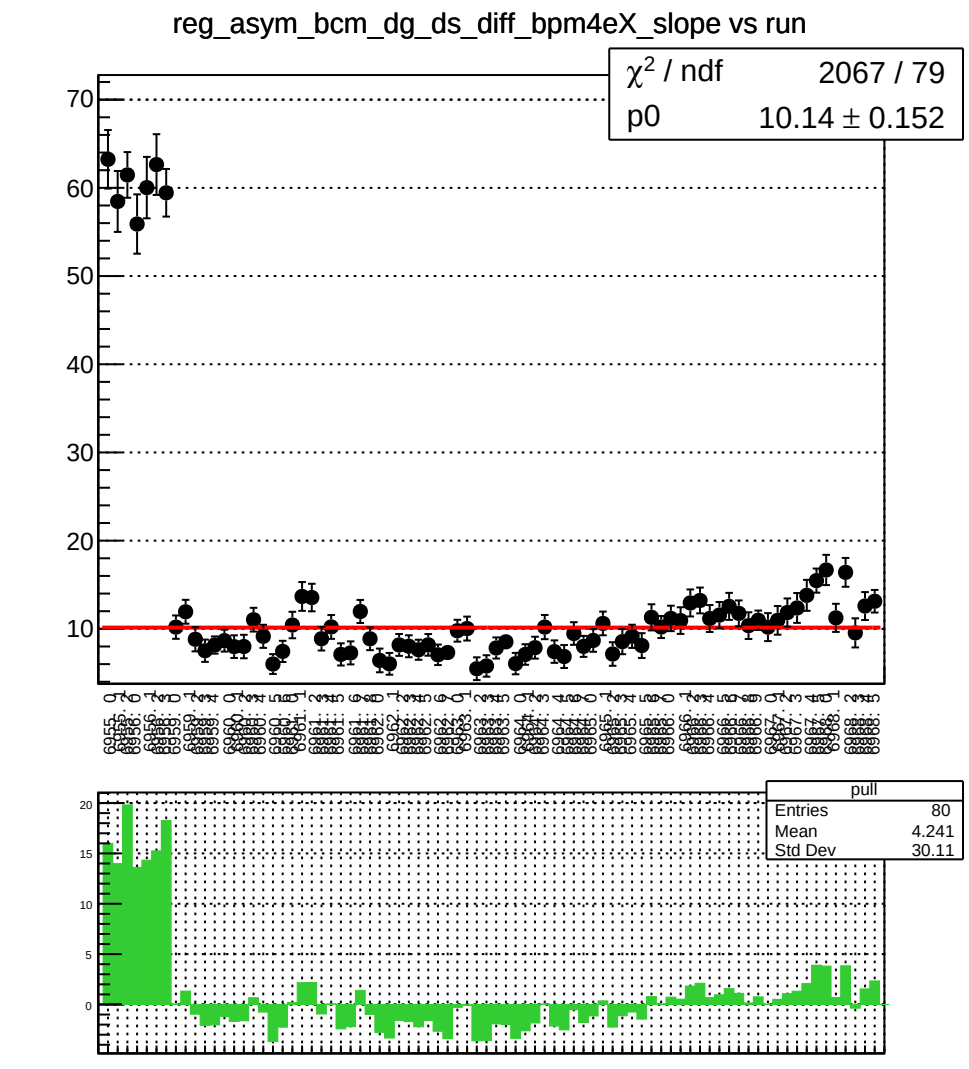

pull1D
Entries 80
Mean 0.0186
Std Dev 1.021

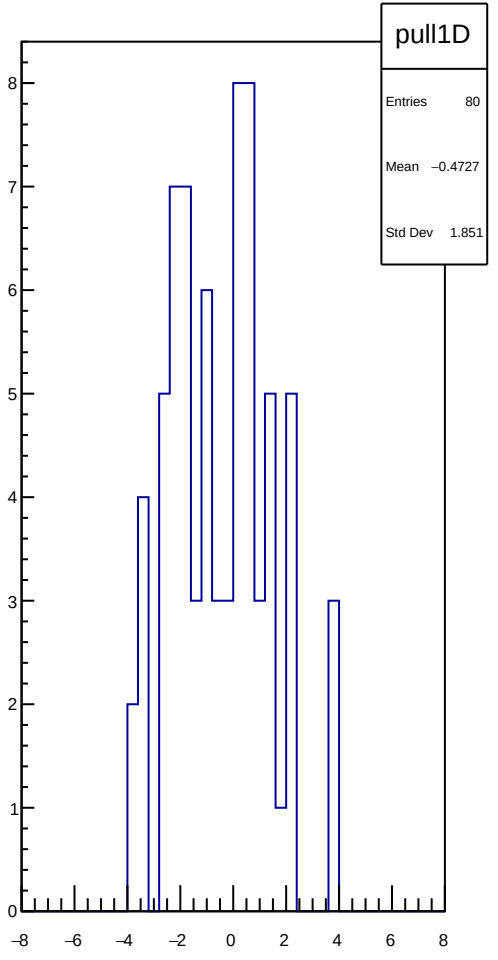

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2159 / 79
p0 −11.4 ± 0.1642
pull
Entries 80
Mean 6.326
Std Dev 32.51

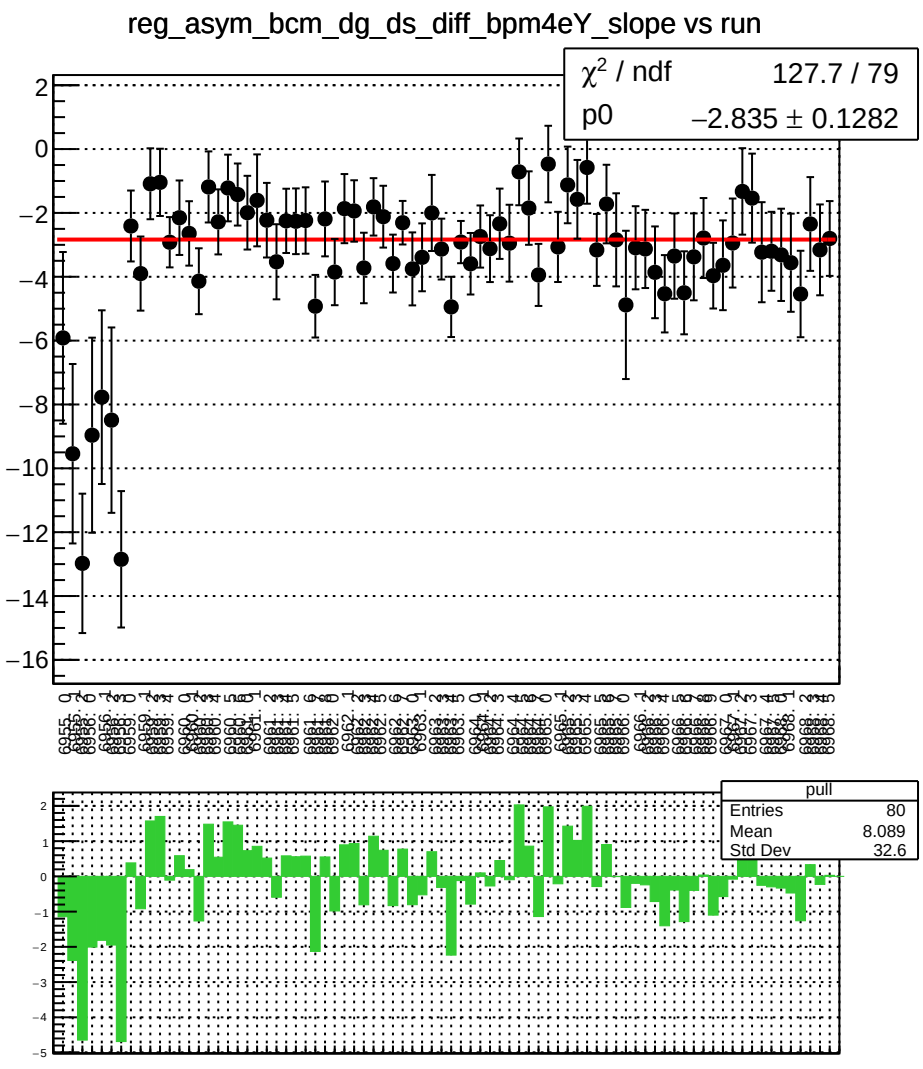

pull1D
Entries 80
Mean 0.4721
Std Dev 1.945

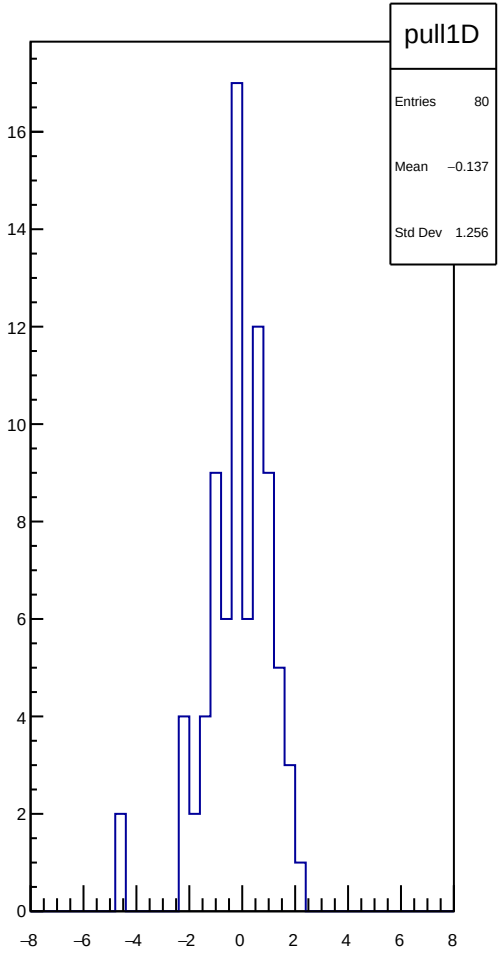

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 124.8 / 79
p0 1.971 ± 0.1129
pull
Entries 80
Mean 30.49
Std Dev 45.11

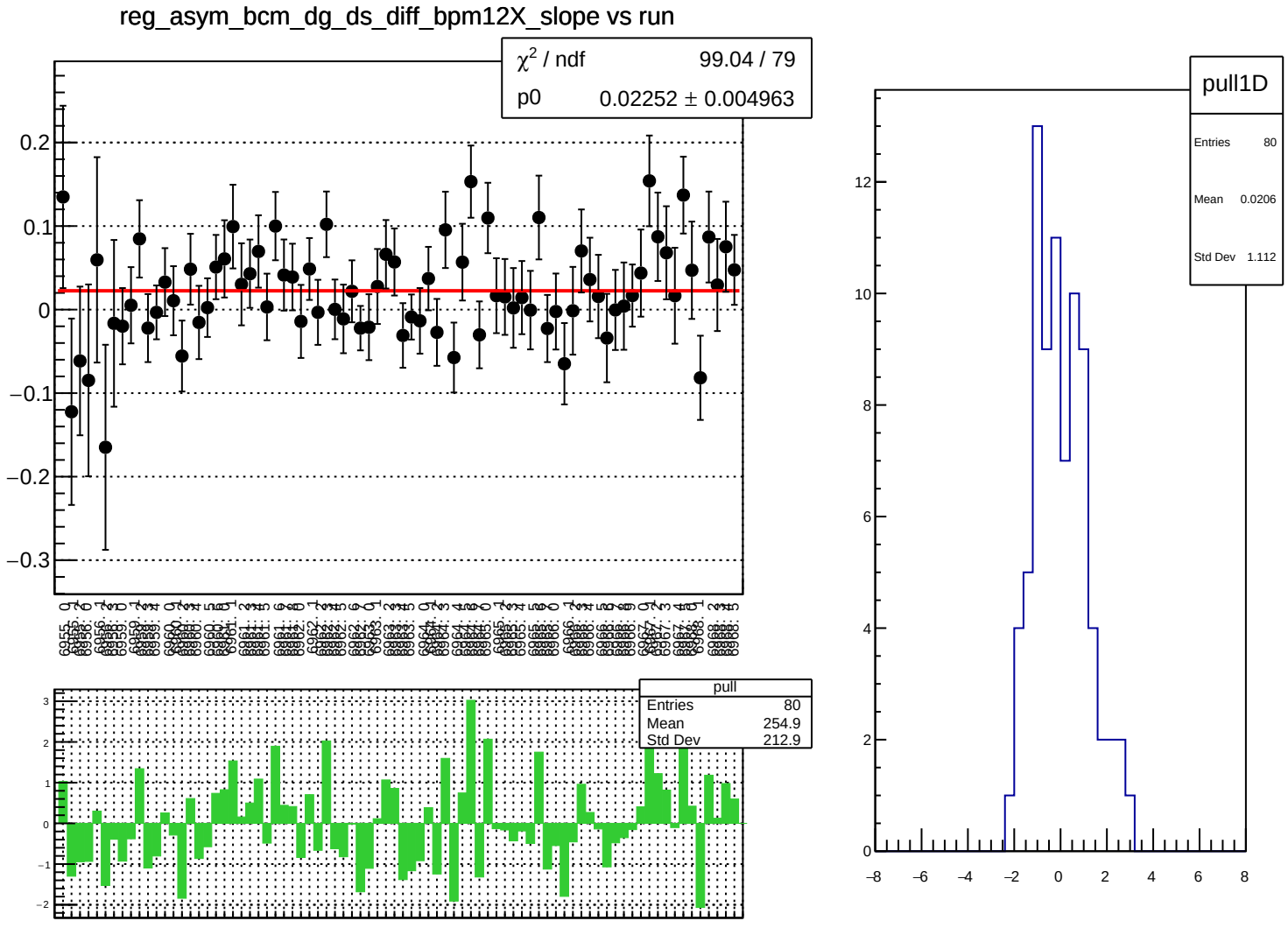

pull1D
Entries 80
Mean 0.1486
Std Dev 1.24

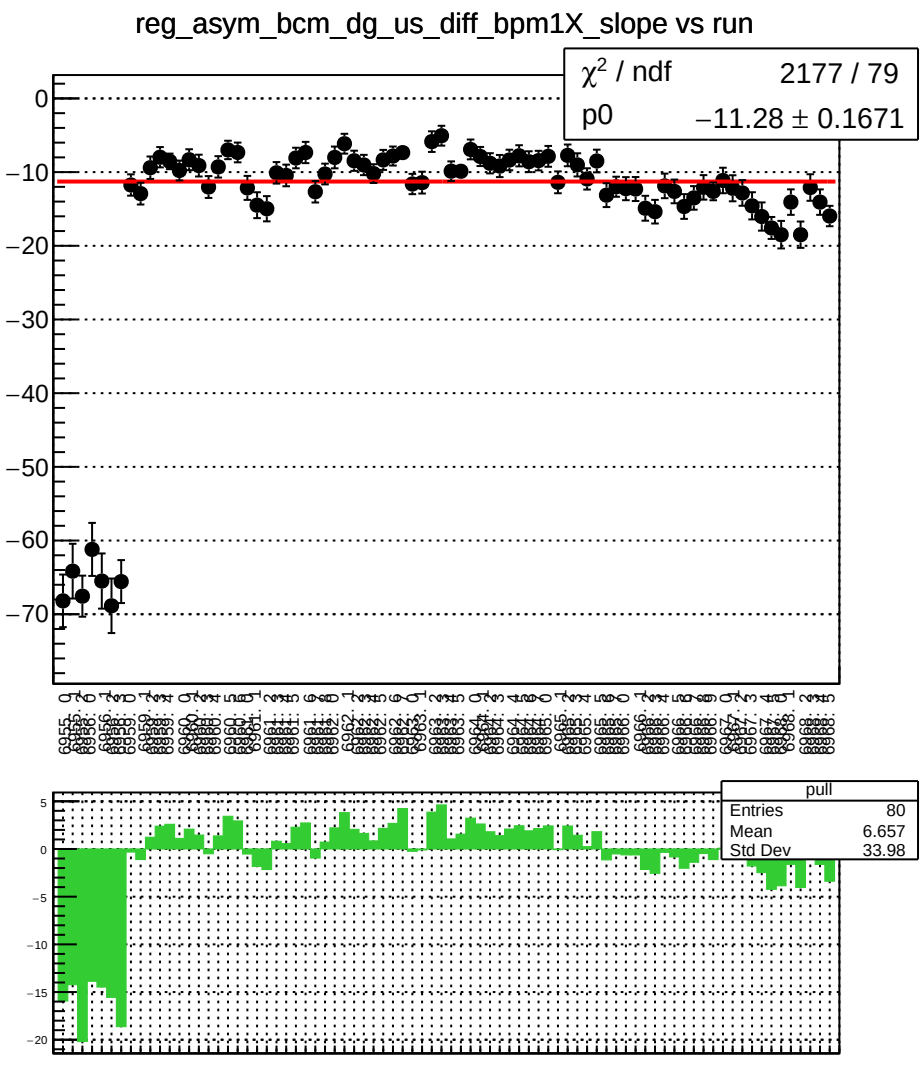

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2067 / 79
p0 10.14 ± 0.152
pull
Entries 80
Mean 4.241
Std Dev 30.11

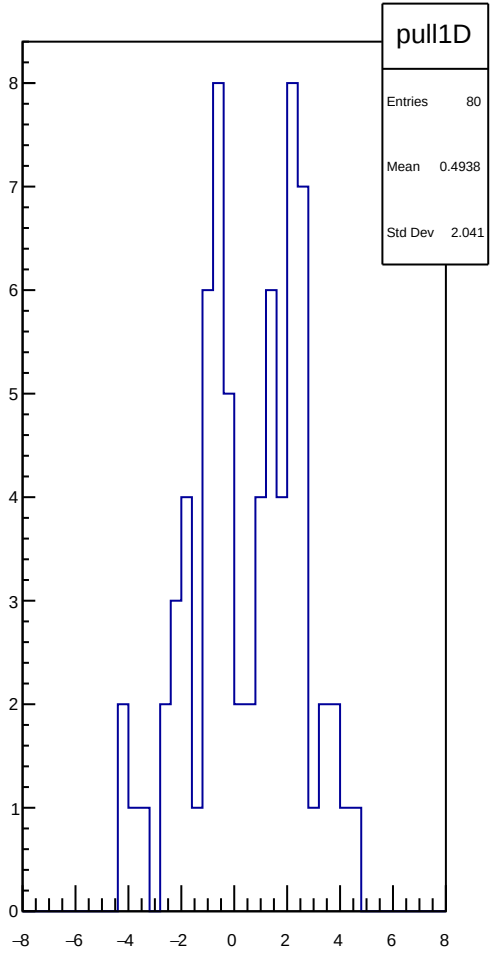

pull1D
Entries 80
Mean −0.4727
Std Dev 1.851

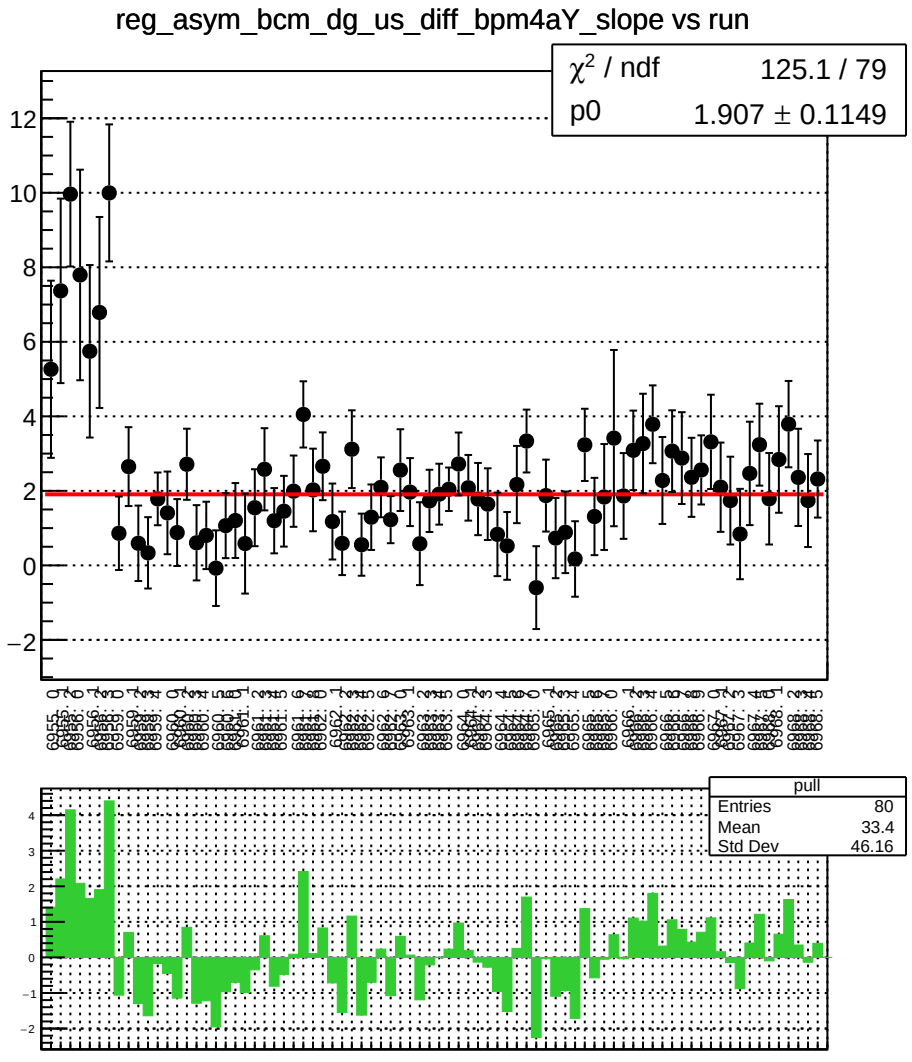

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 127.7 / 79
p0 −2.835 ± 0.1282
pull
Entries 80
Mean 8.089
Std Dev 32.6

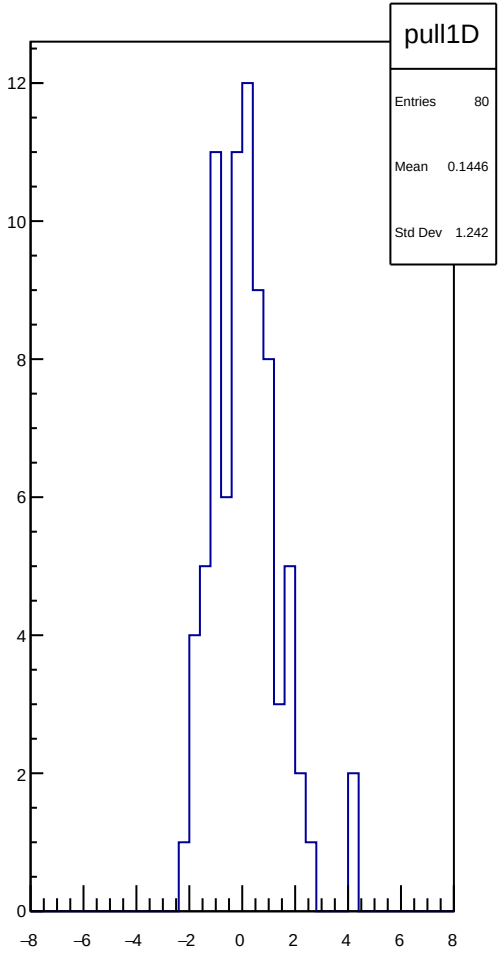

pull1D
Entries 80
Mean −0.137
Std Dev 1.256

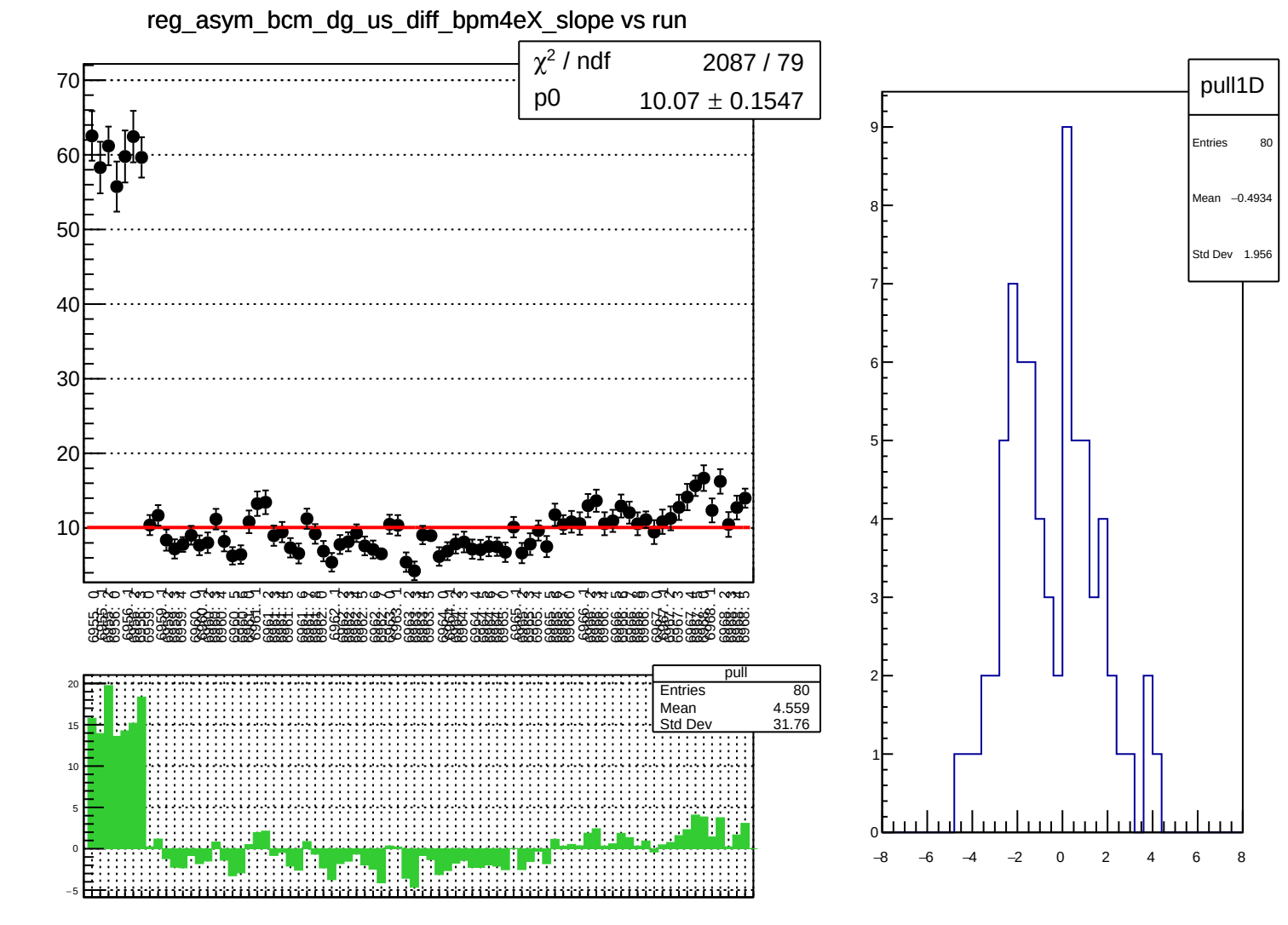

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 99.04 / 79
p0 0.02252 ± 0.004963
pull
Entries 80
Mean 254.9
Std Dev 212.9
pull1D
Entries 80
Mean 0.0206
Std Dev 1.112

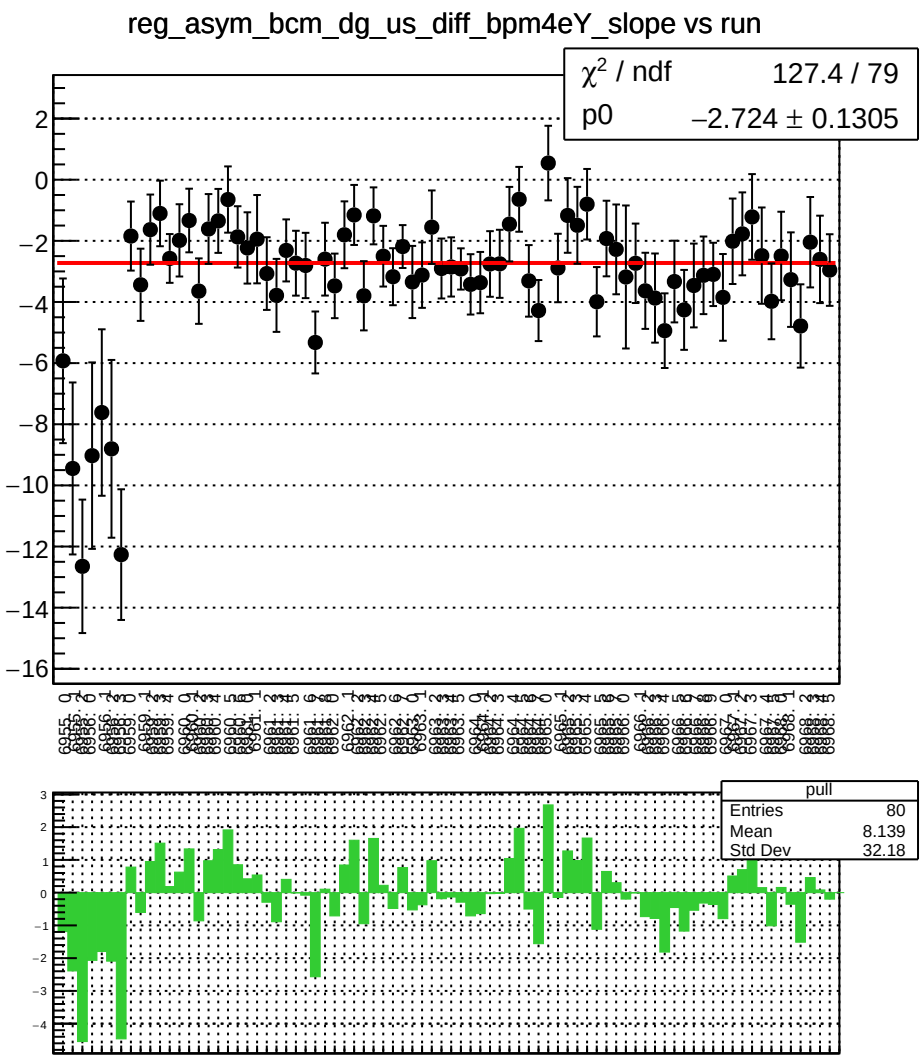

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2177 / 79
p0 −11.28 ± 0.1671
pull
Entries 80
Mean 6.657
Std Dev 33.98

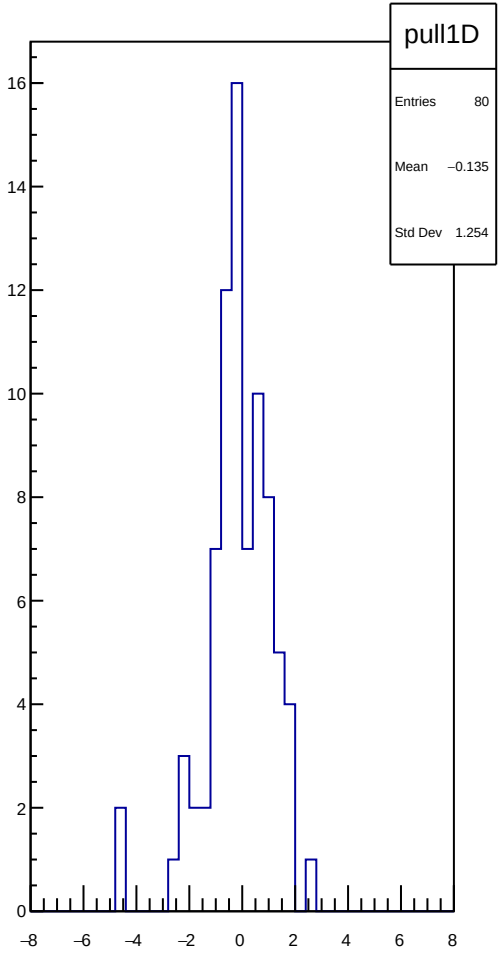

pull1D
Entries 80
Mean 0.4938
Std Dev 2.041

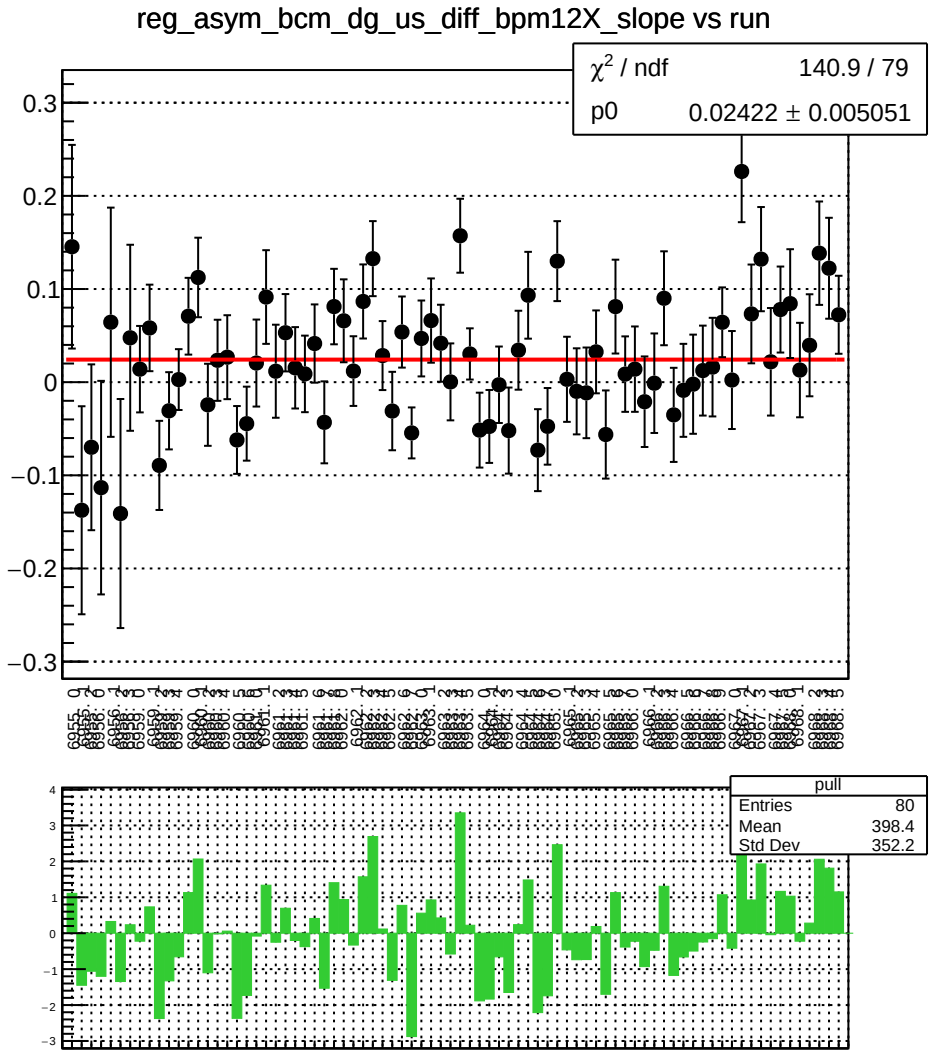

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 125.1 / 79
p0 1.907 ± 0.1149
pull
Entries 80
Mean 33.4
Std Dev 46.16


pull1D
Entries 80
Mean 0.1446
Std Dev 1.242


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2087 / 79
p0 10.07 ± 0.1547
pull
Entries 80
Mean 4.559
Std Dev 31.76
pull1D
Entries 80
Mean −0.4934
Std Dev 1.956


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 127.4 / 79
p0 −2.724 ± 0.1305
pull
Entries 80
Mean 8.139
Std Dev 32.18


pull1D
Entries 80
Mean −0.135
Std Dev 1.254


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 79
p0 0.02422 ± 0.005051
pull
Entries 80
Mean 398.4
Std Dev 352.2
pull1D
Entries 80
Mean 0.01991
Std Dev 1.327