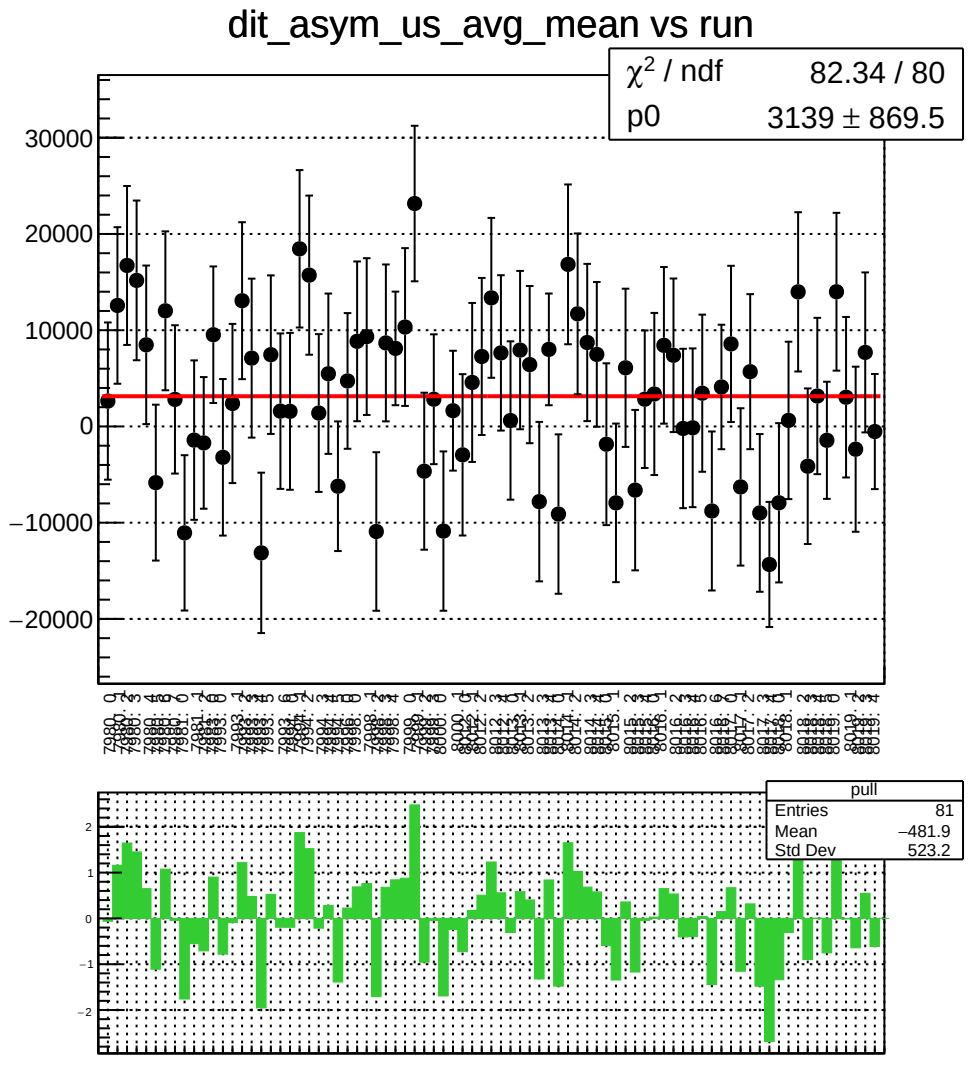
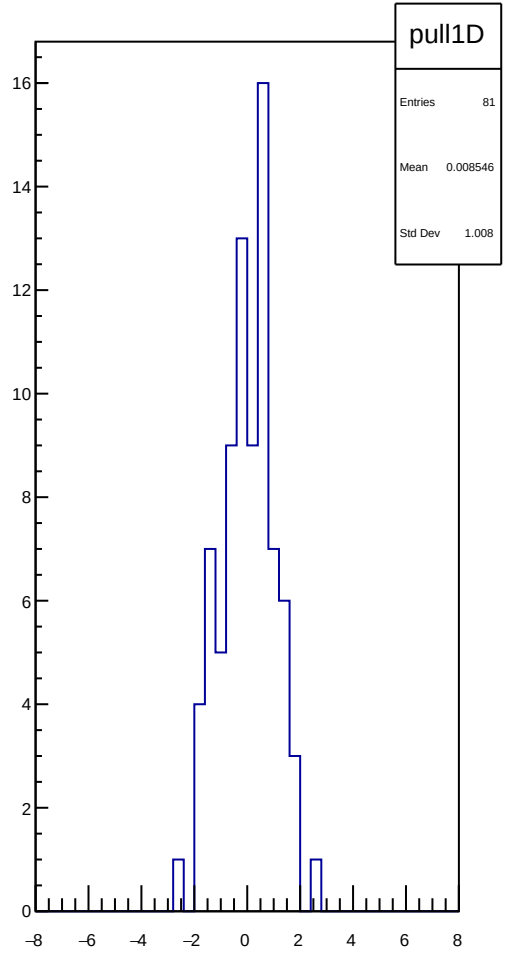
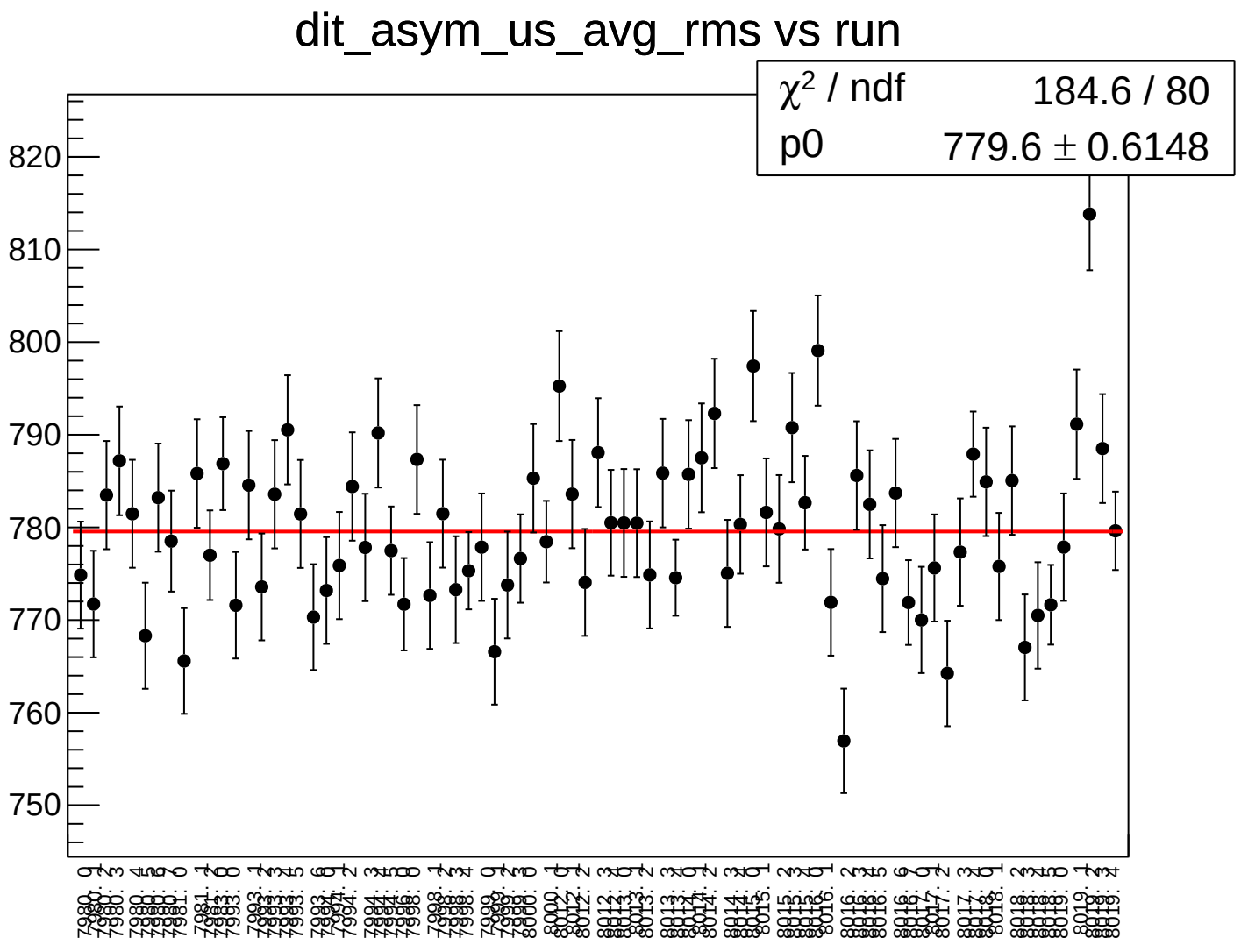
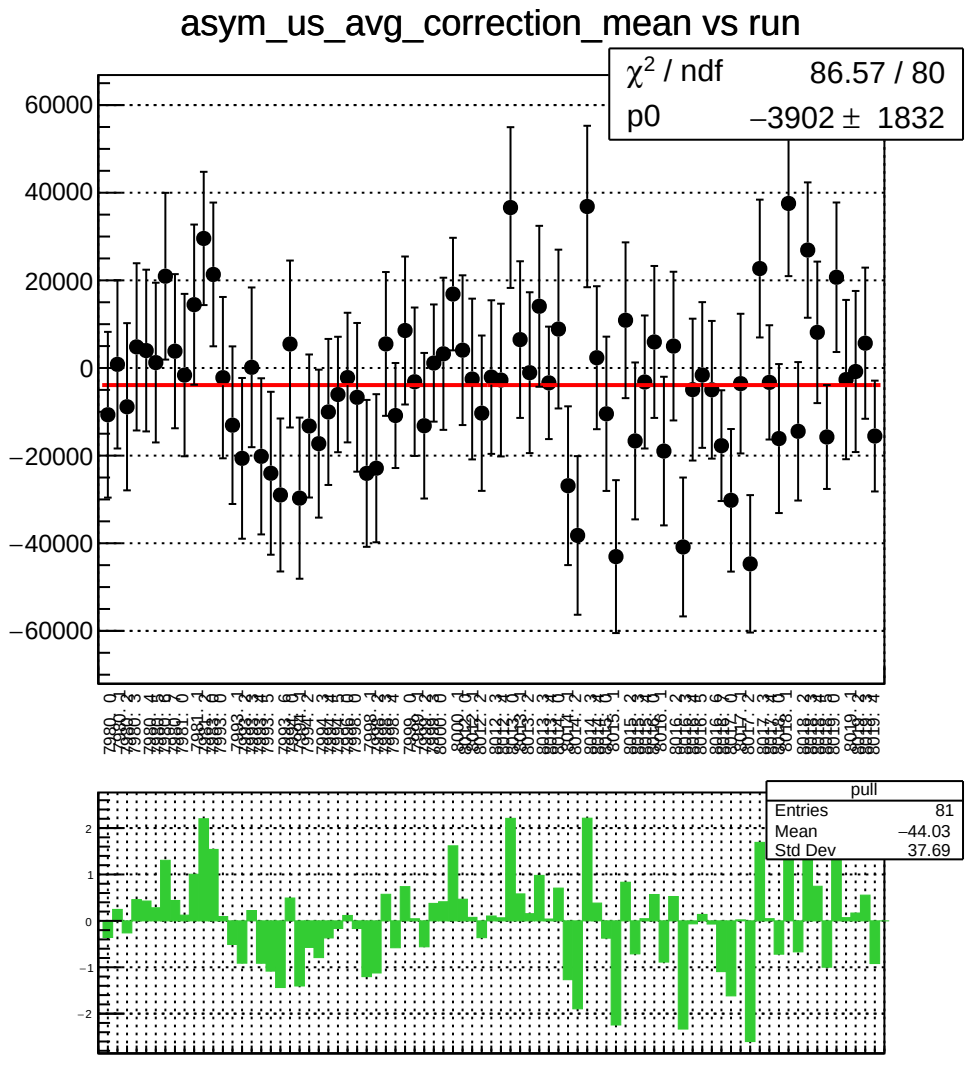
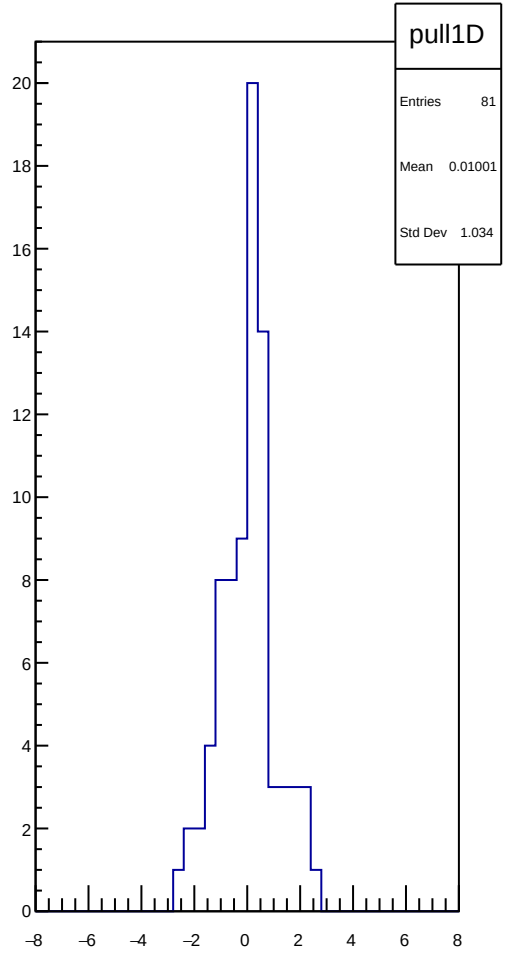
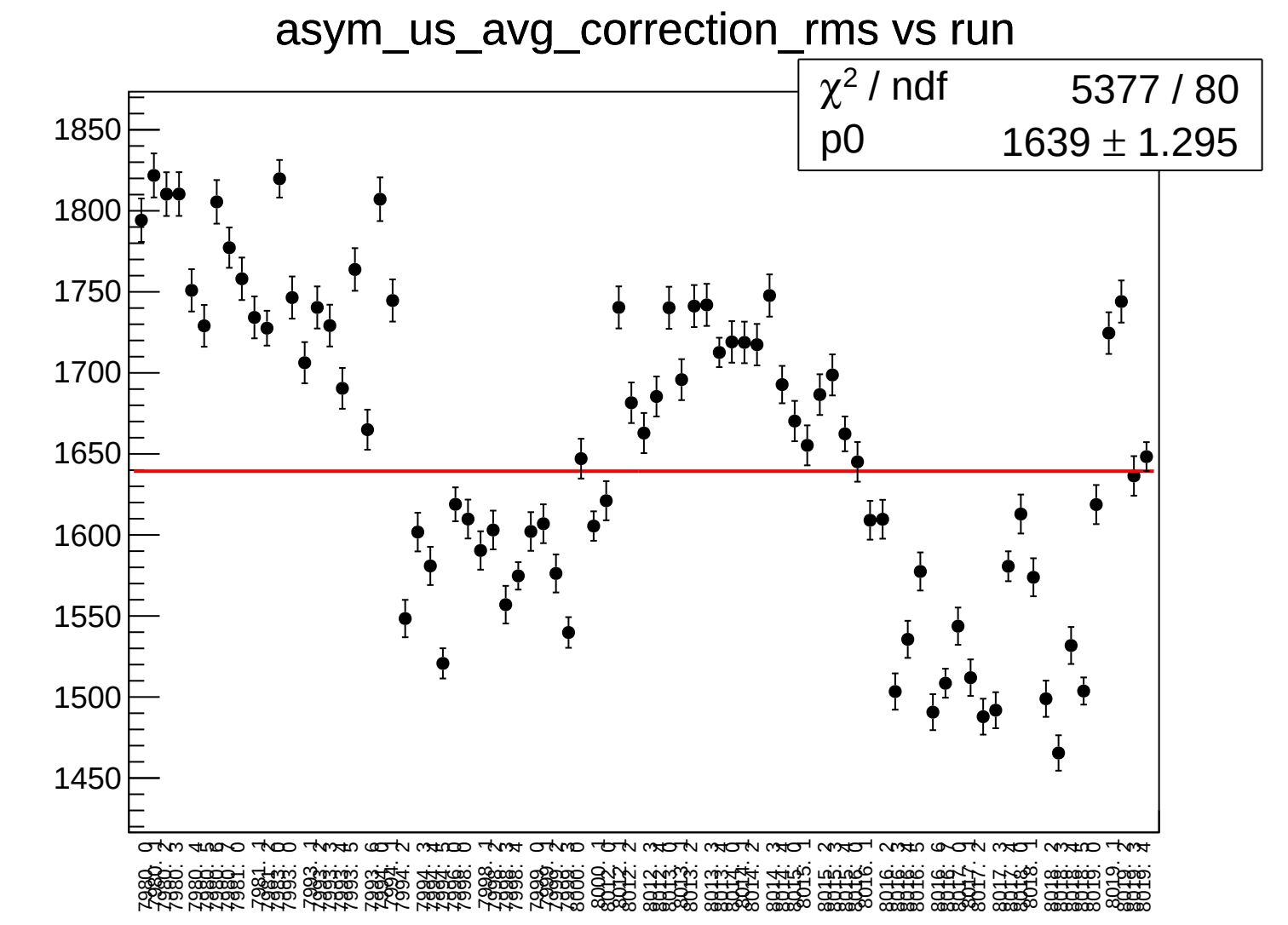

dit_asym_us_avg_mean vs run
χ^2 / ndf 82.34 / 80
p0 3139 ± 869.5
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −481.9
Std Dev 523.2
2
1
0
−1
−2

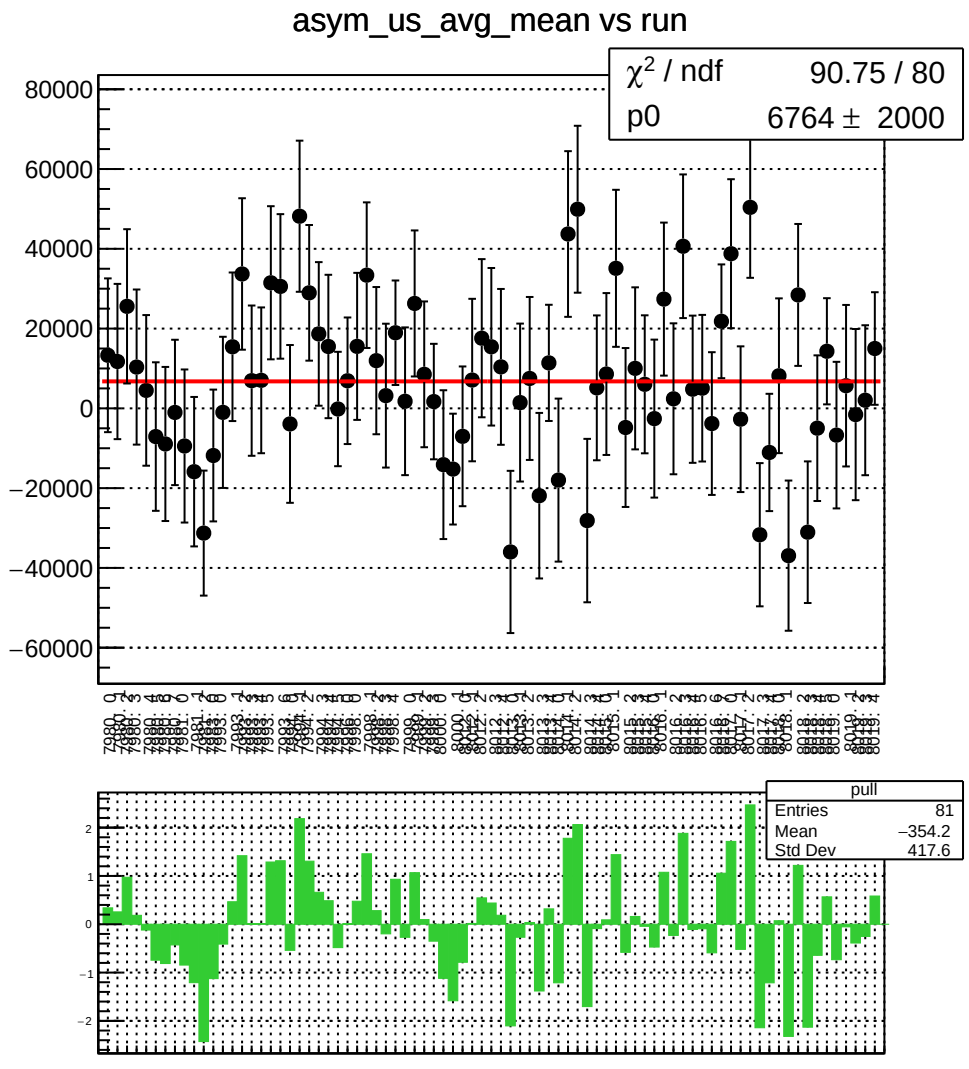

pull1D
Entries 81
Mean 0.008546
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

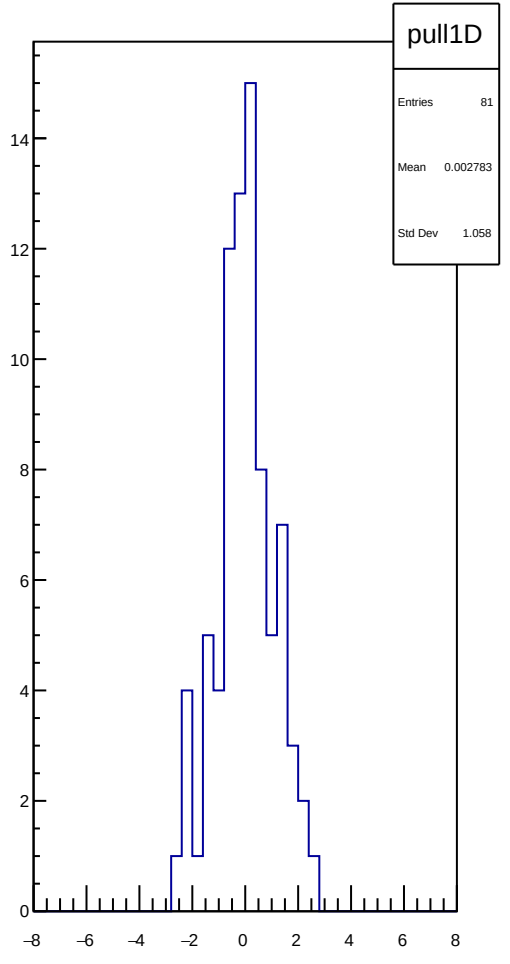

dit_asym_us_avg_rms vs run
χ² / ndf 184.6 / 80
p0 779.6 ± 0.6148
820
810
800
790
780
770
760
750

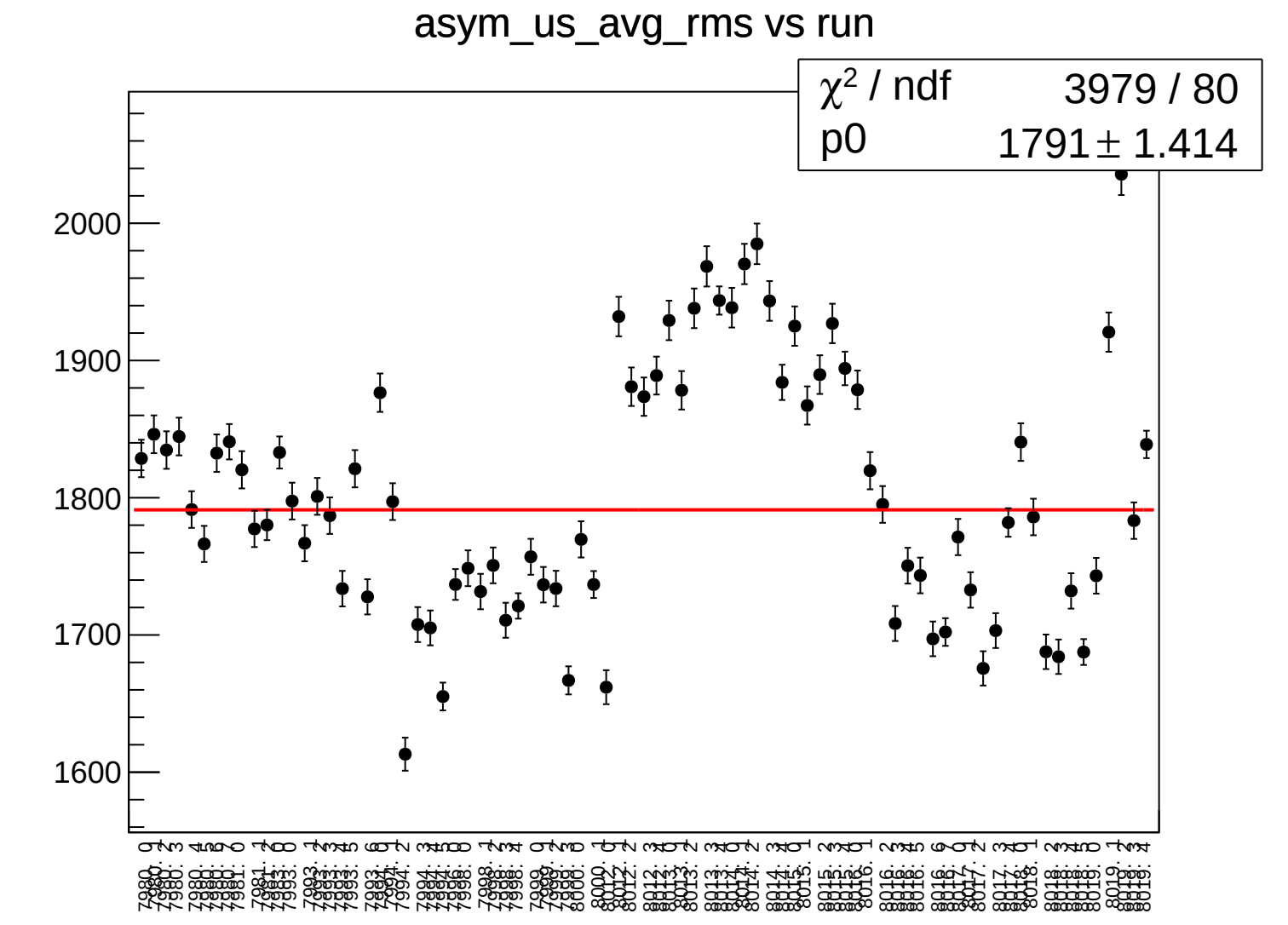

asym_us_avg_correction_mean vs run
χ² / ndf 86.57 / 80
p0 −3902 ± 1832
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −44.03
Std Dev 37.69
2
1
0
−1
−2

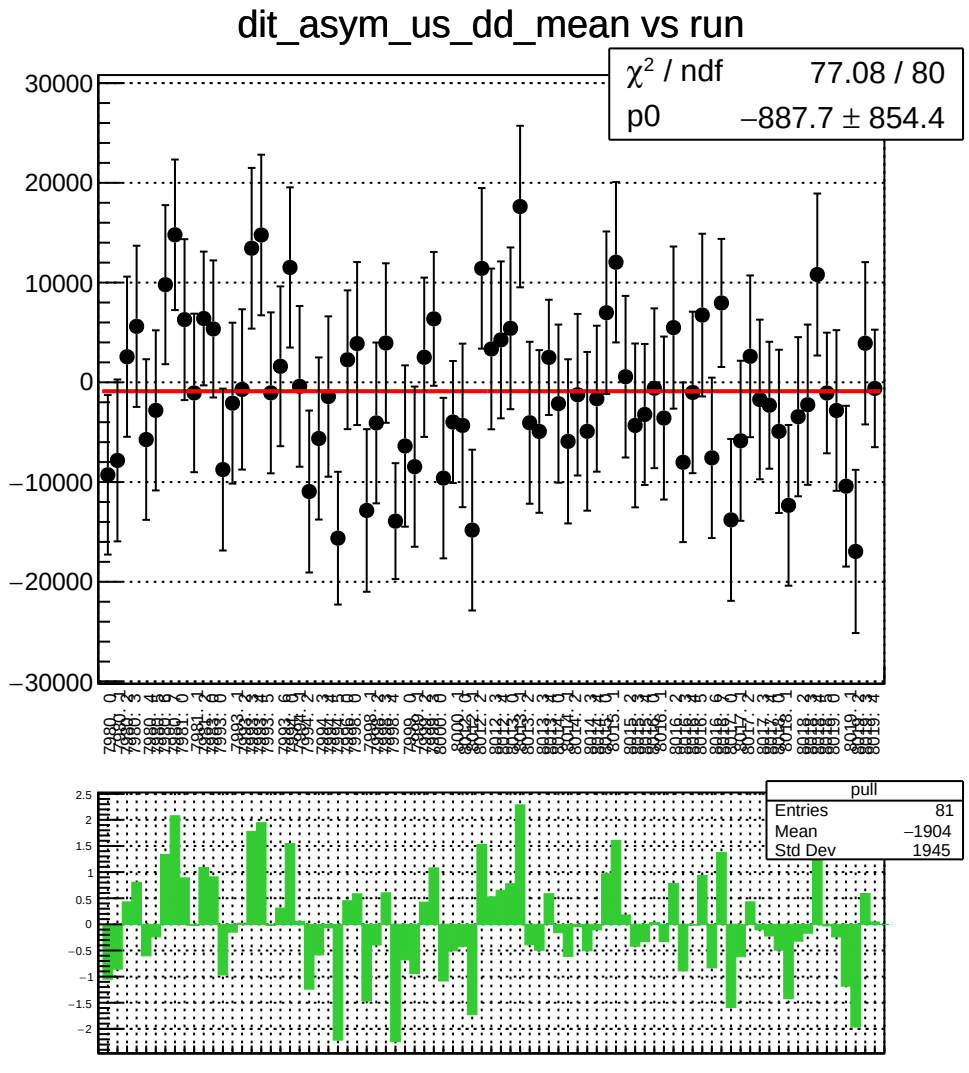

pull1D
Entries 81
Mean 0.01001
Std Dev 1.034
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

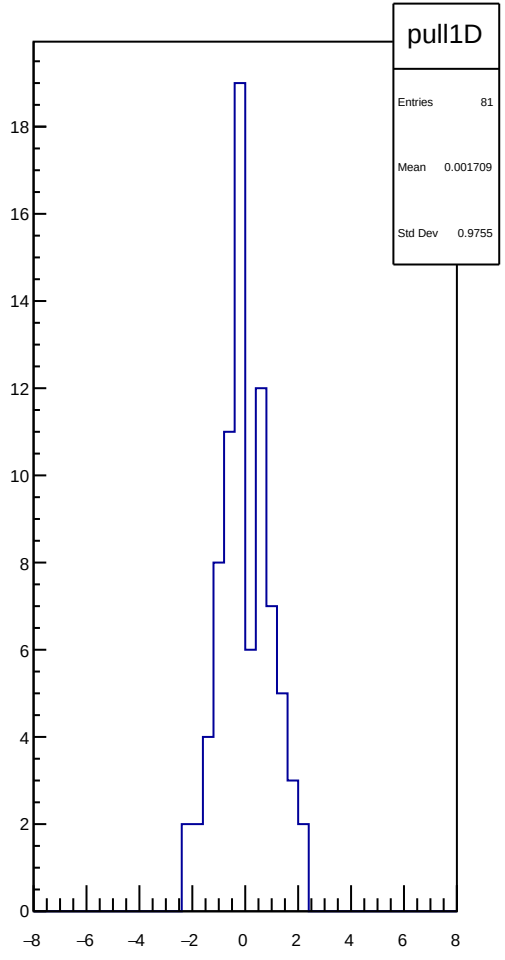

asym_us_avg_correction_rms vs run
χ^2 / ndf 5377 / 80
p0 1639 ± 1.295
1850
1800
1750
1700
1650
1600
1550
1500
1450

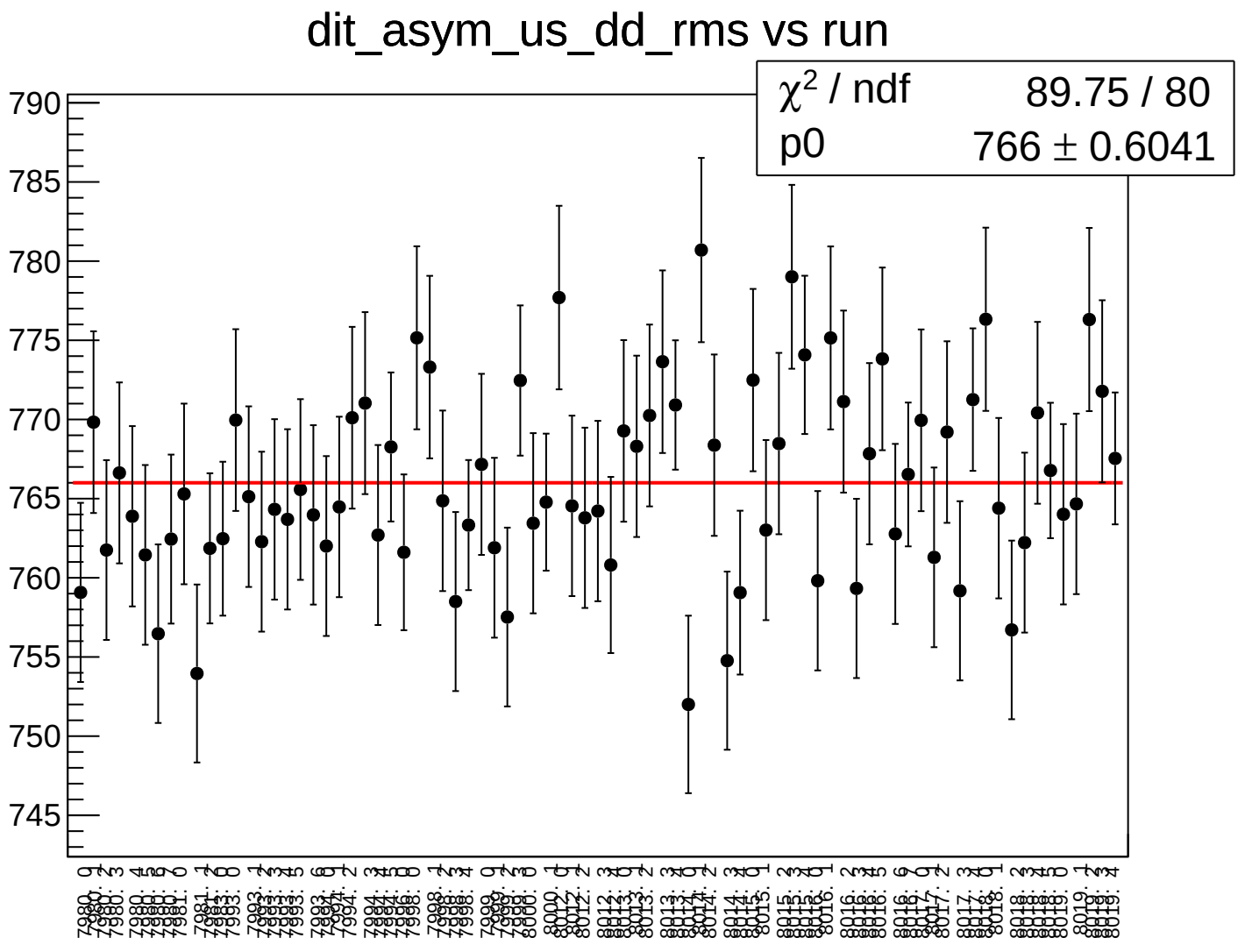

asym_us_avg_mean vs run
χ² / ndf 90.75 / 80
p0 6764 ± 2000
pull
Entries 81
Mean −354.2
Std Dev 417.6

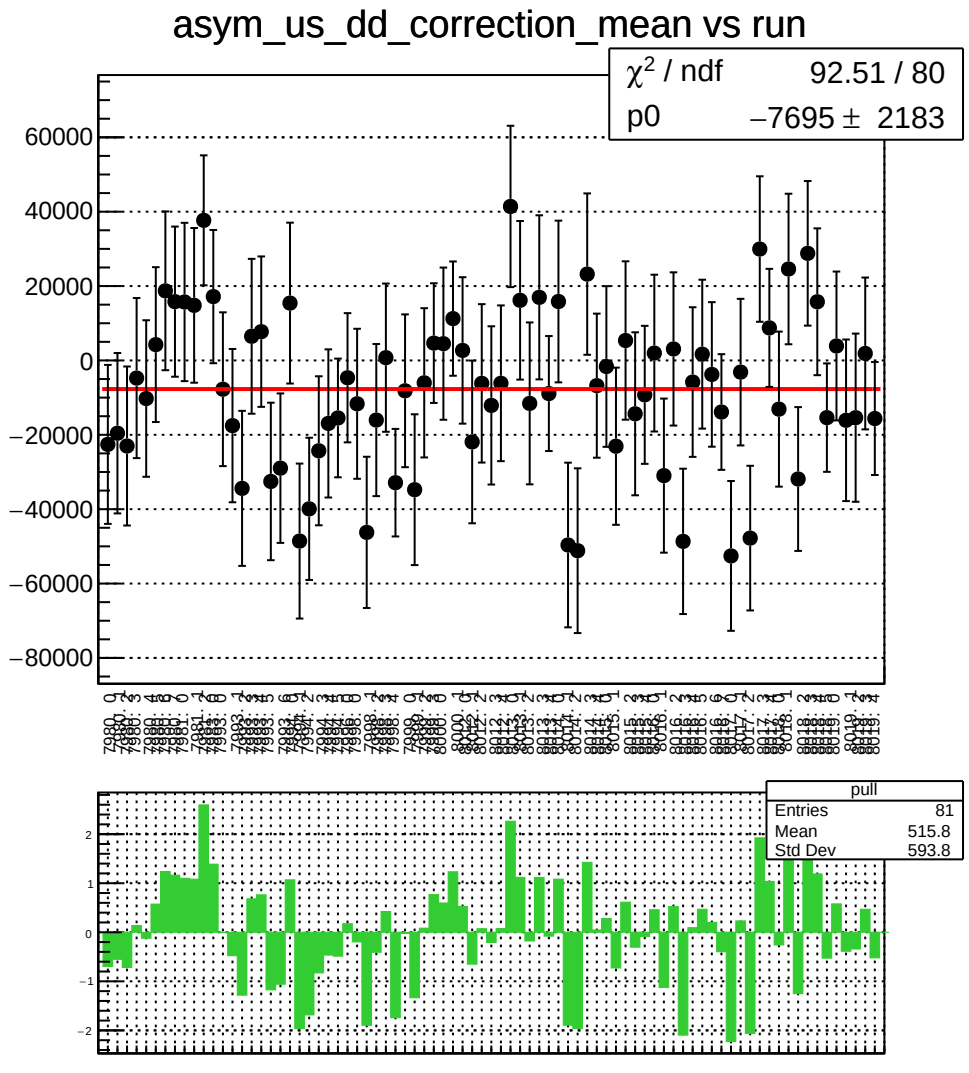

pull1D
Entries 81
Mean 0.002783
Std Dev 1.058

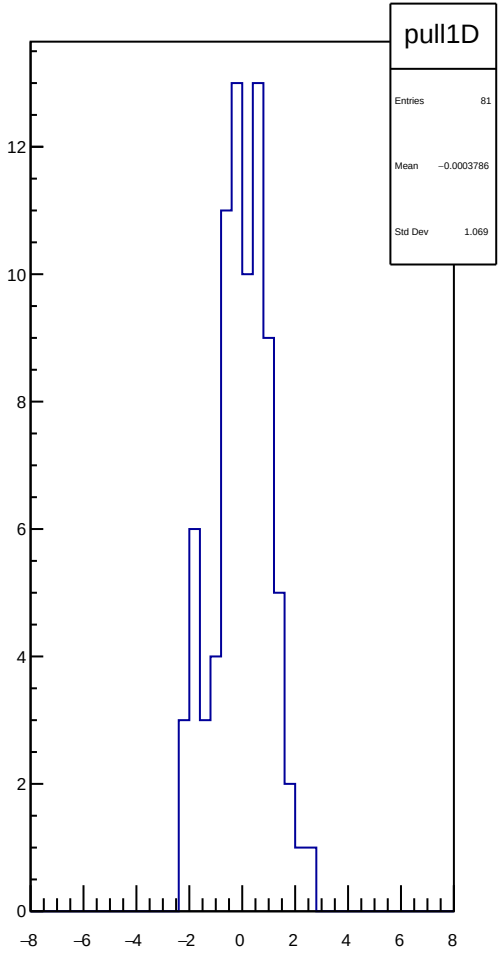

asym_us_avg_rms vs run
χ² / ndf 3979 / 80
p0 1791 ± 1.414
2000
1900
1800
1700
1600

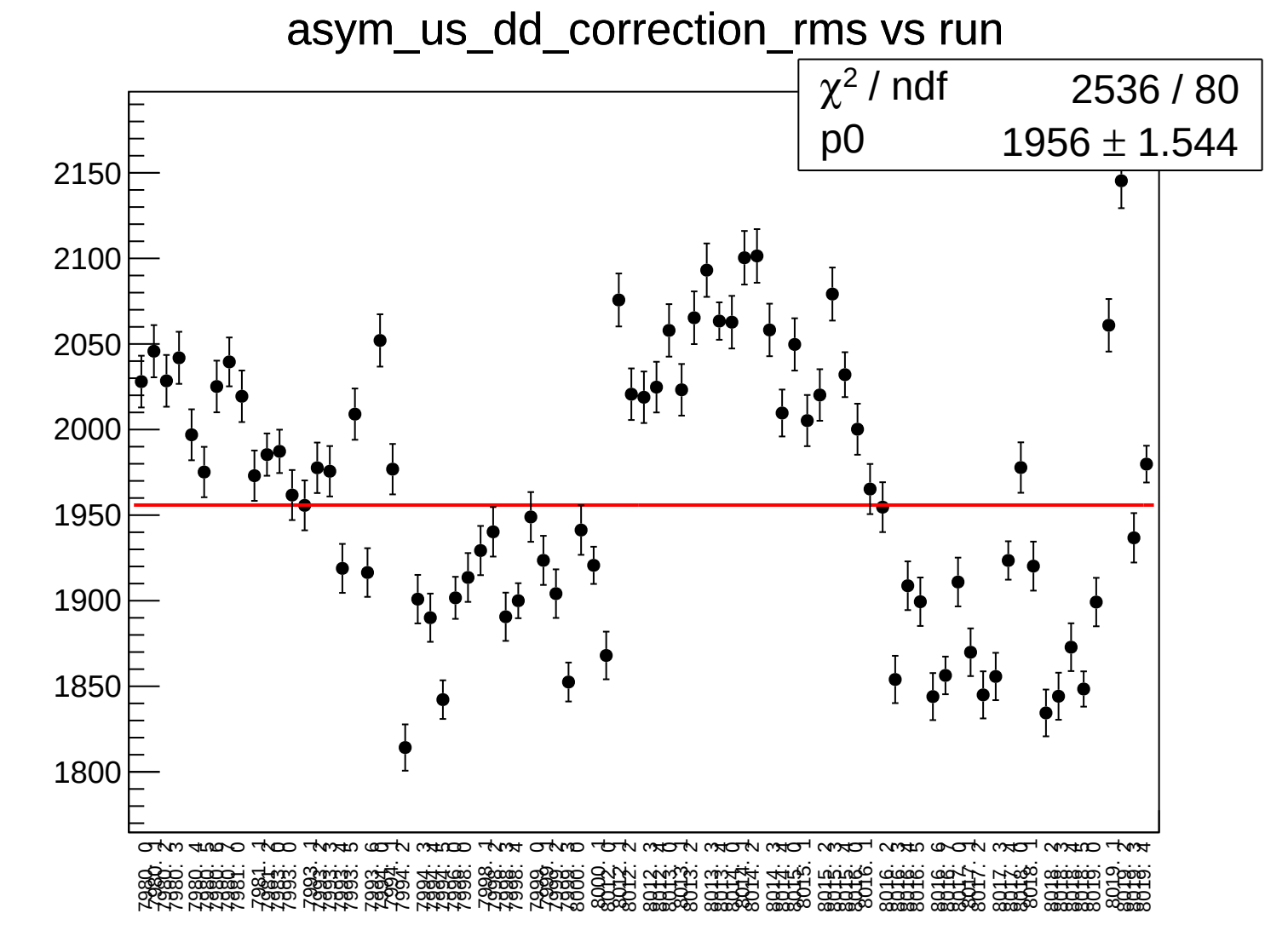

dit_asym_us_dd_mean vs run
χ² / ndf 77.08 / 80
p0 −887.7 ± 854.4
pull
Entries 81
Mean −1904
Std Dev 1945

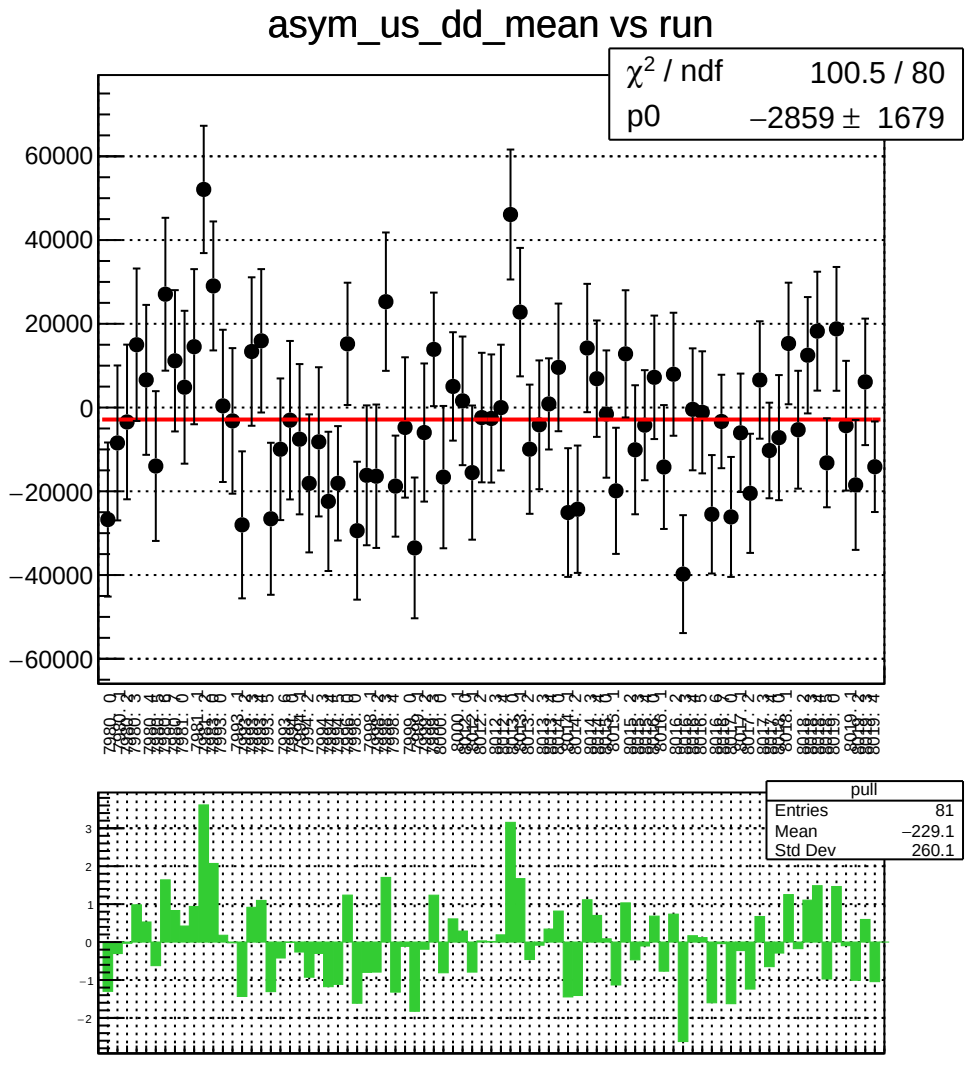

pull1D
Entries 81
Mean 0.001709
Std Dev 0.9755

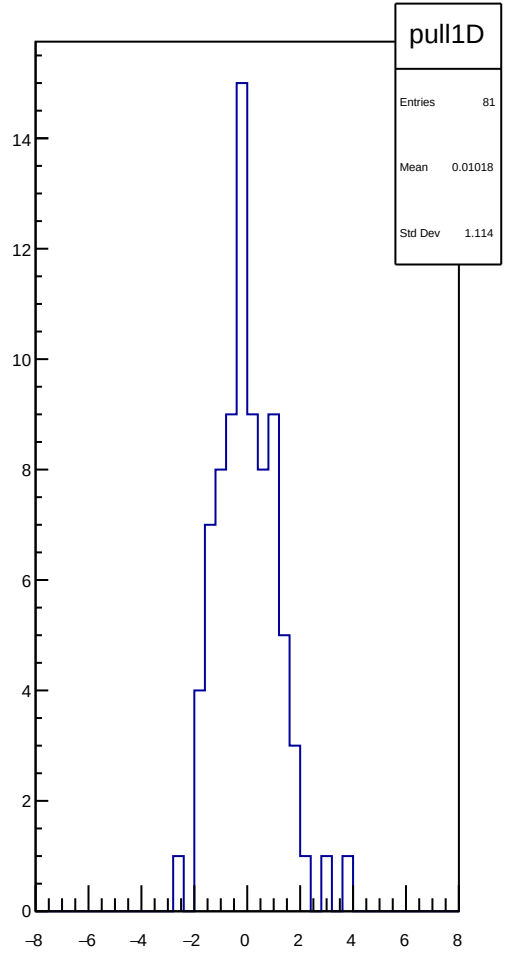

dit_asym_us_dd_rms vs run
χ^2 / ndf 89.75 / 80
p0 766 ± 0.6041
790
785
780
775
770
765
760
755
750
745

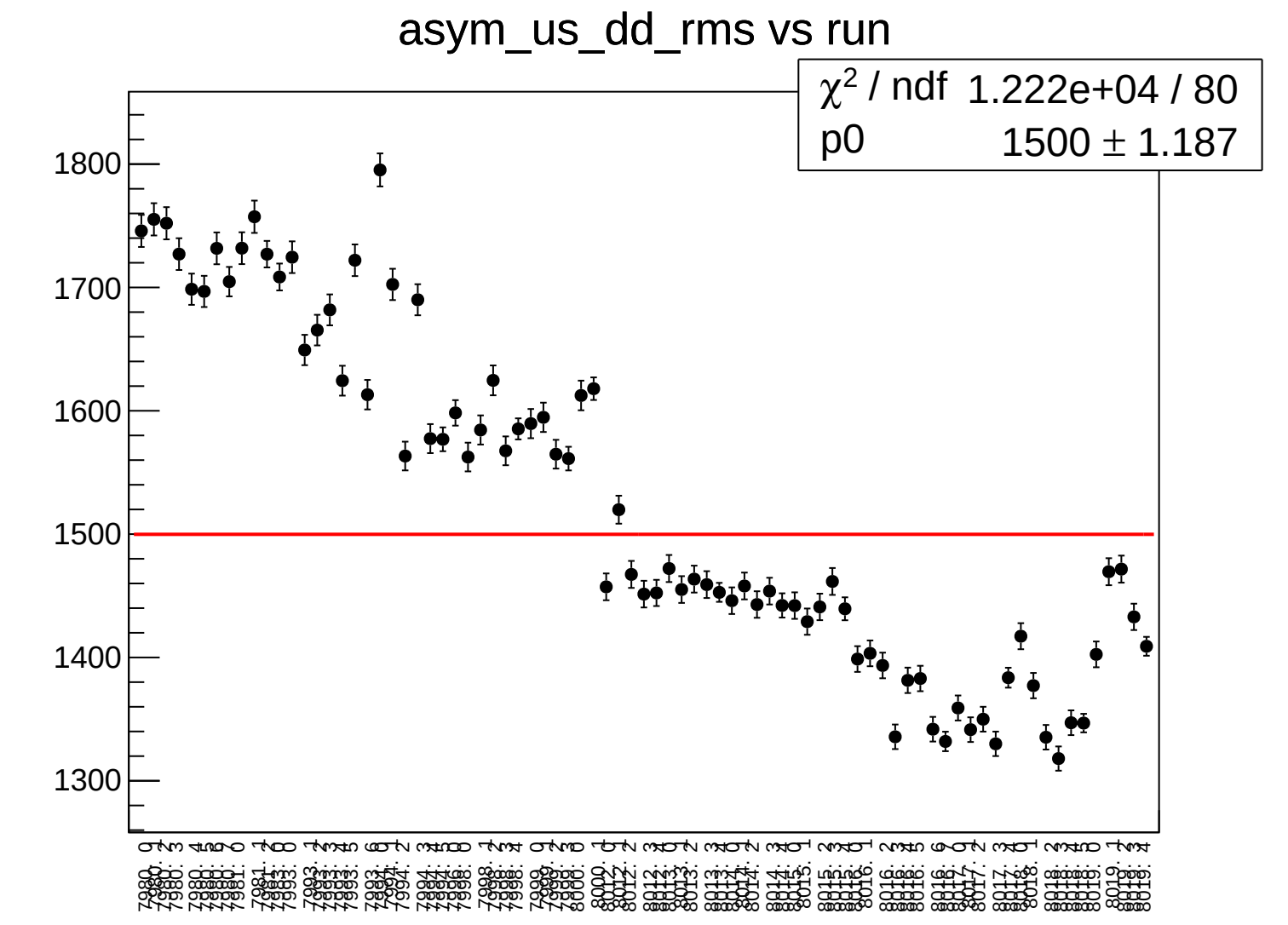

asym_us_dd_correction_mean vs run
χ² / ndf 92.51 / 80
p0 −7695 ± 2183
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 515.8
Std Dev 593.8
2
1
0
−1
−2

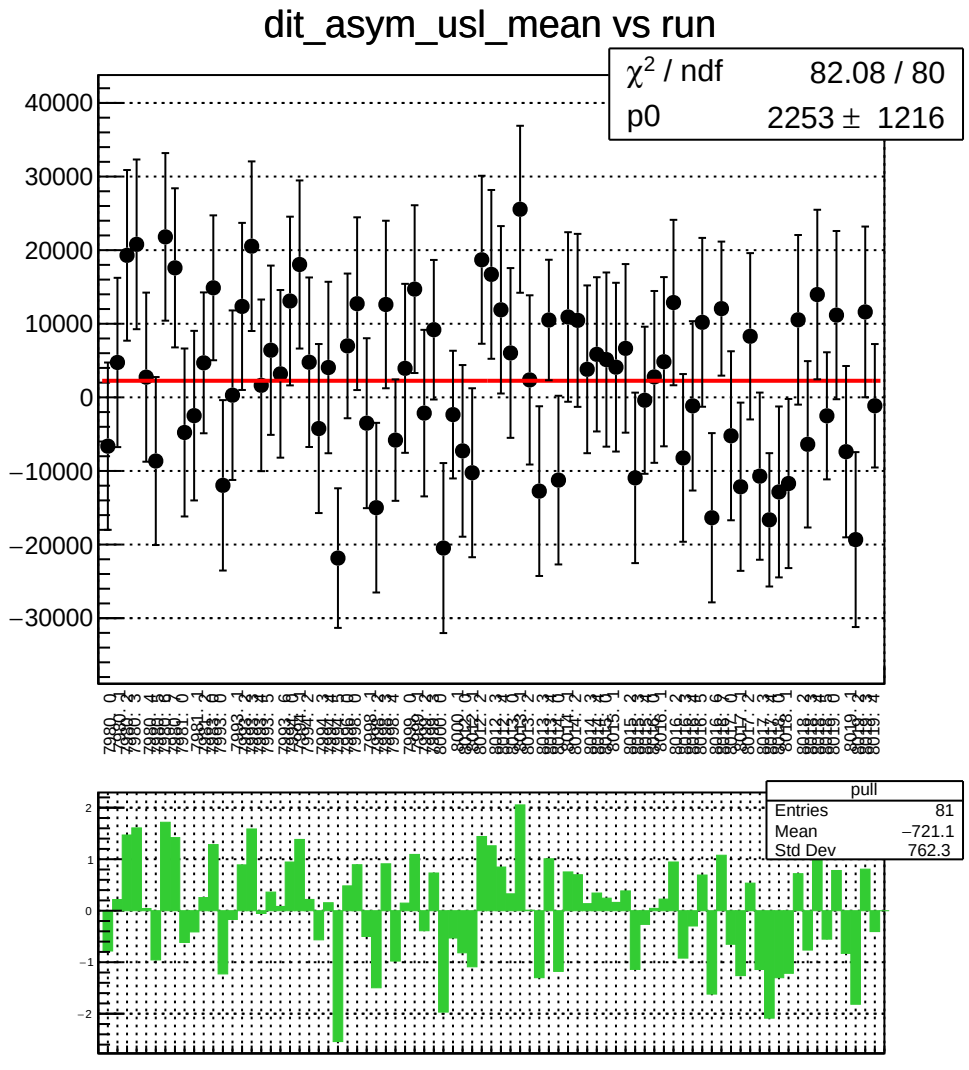

pull1D
Entries 81
Mean −0.0003786
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

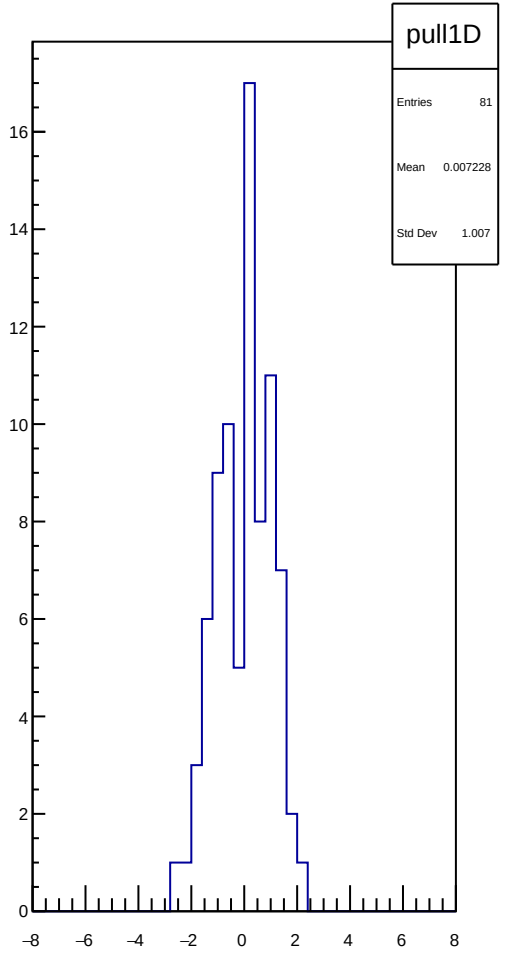

asym_us_dd_correction_rms vs run
χ² / ndf 2536 / 80
p0 1956 ± 1.544
2150
2100
2050
2000
1950
1900
1850
1800

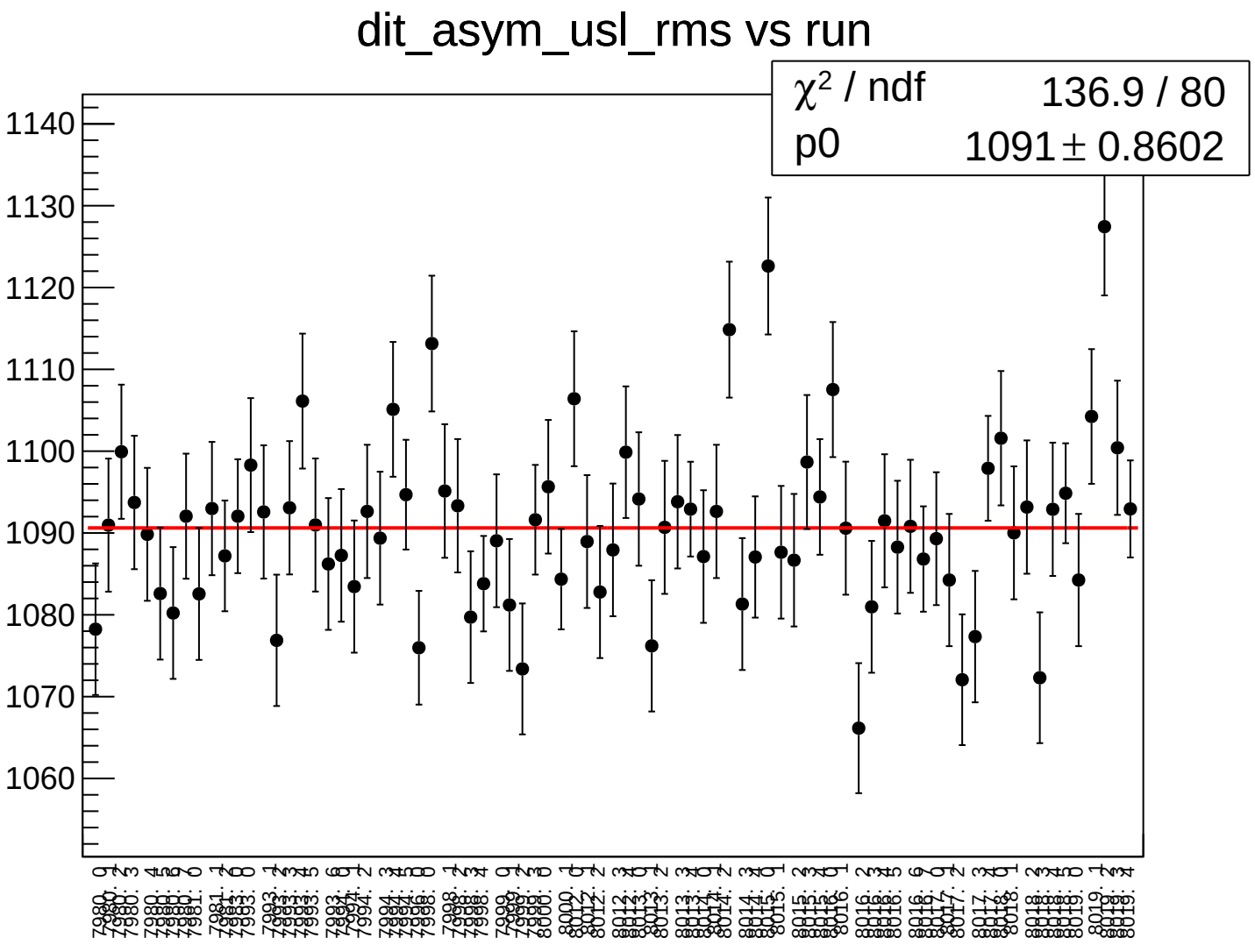

asym_us_dd_mean vs run
χ² / ndf 100.5 / 80
p0 −2859 ± 1679
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −229.1
Std Dev 260.1
3
2
1
0
−1
−2

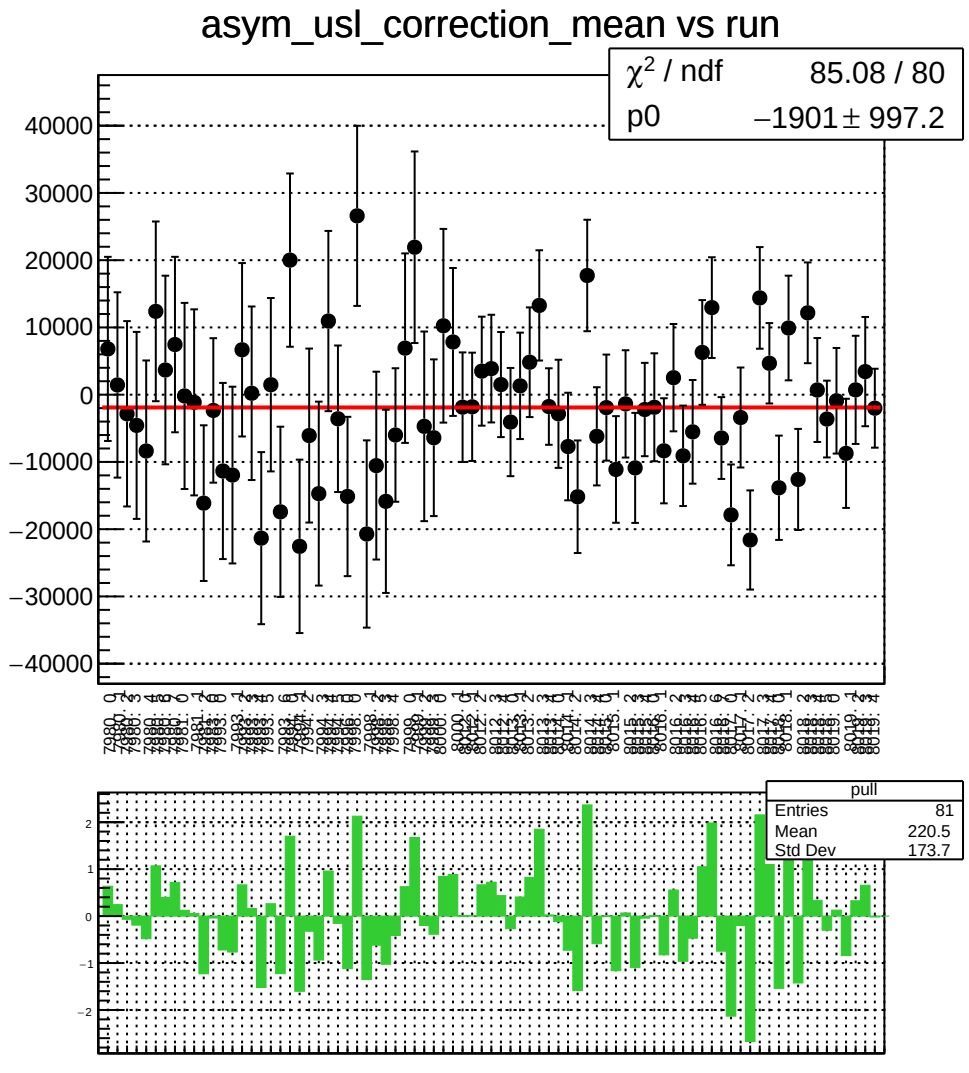

pull1D
Entries 81
Mean 0.01018
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

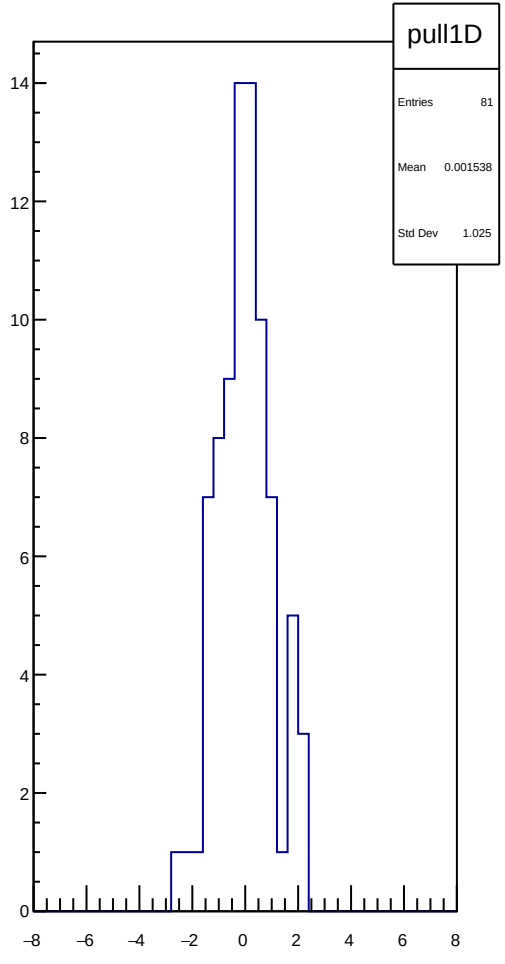

asym_us_dd_rms vs run
χ² / ndf 1.222e+04 / 80
p0 1500 ± 1.187
1800
1700
1600
1500
1400
1300

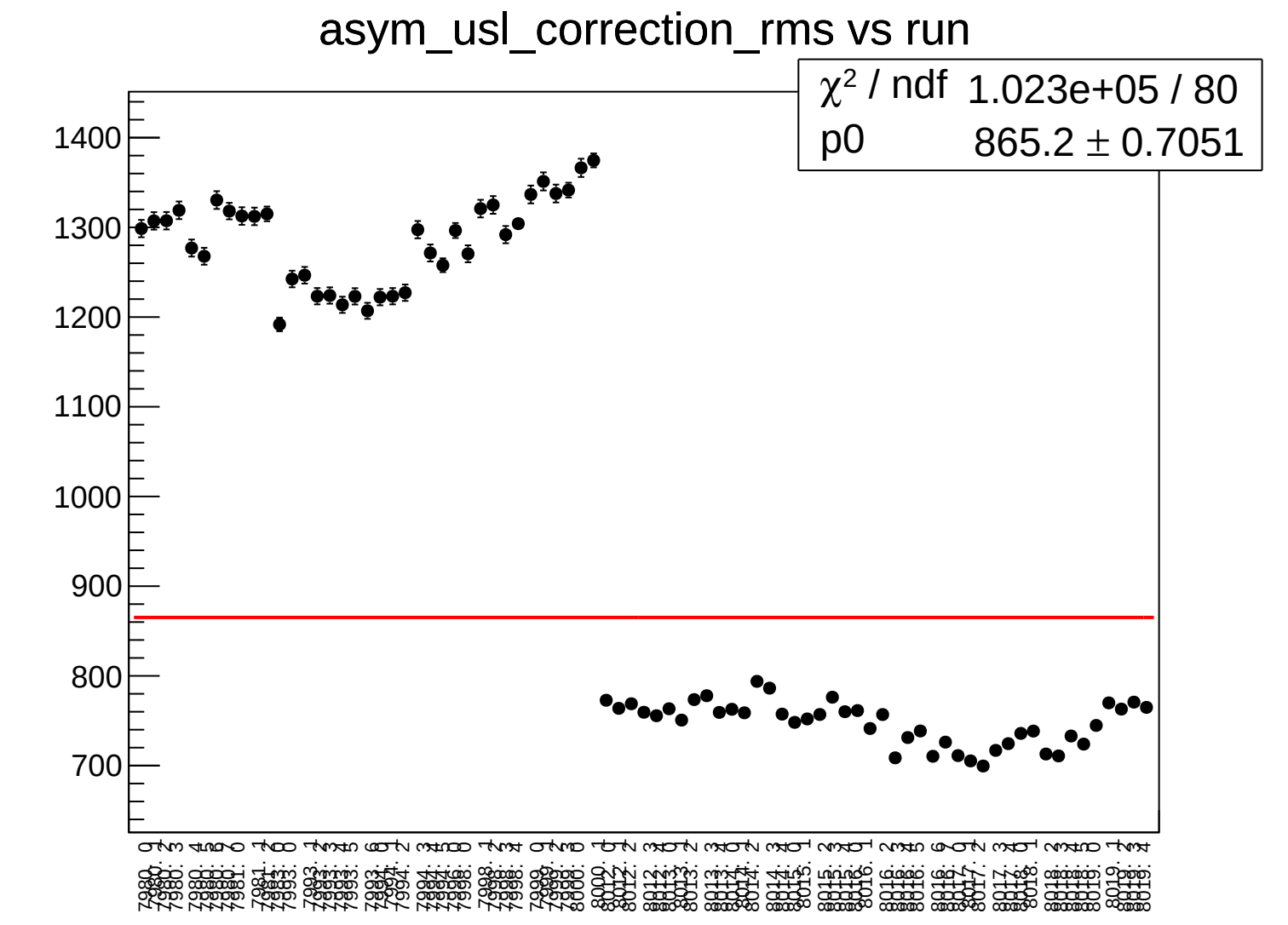

dit_asym_usl_mean vs run
χ² / ndf 82.08 / 80
p0 2253 ± 1216
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −721.1
Std Dev 762.3
2
1
0
−1
−2

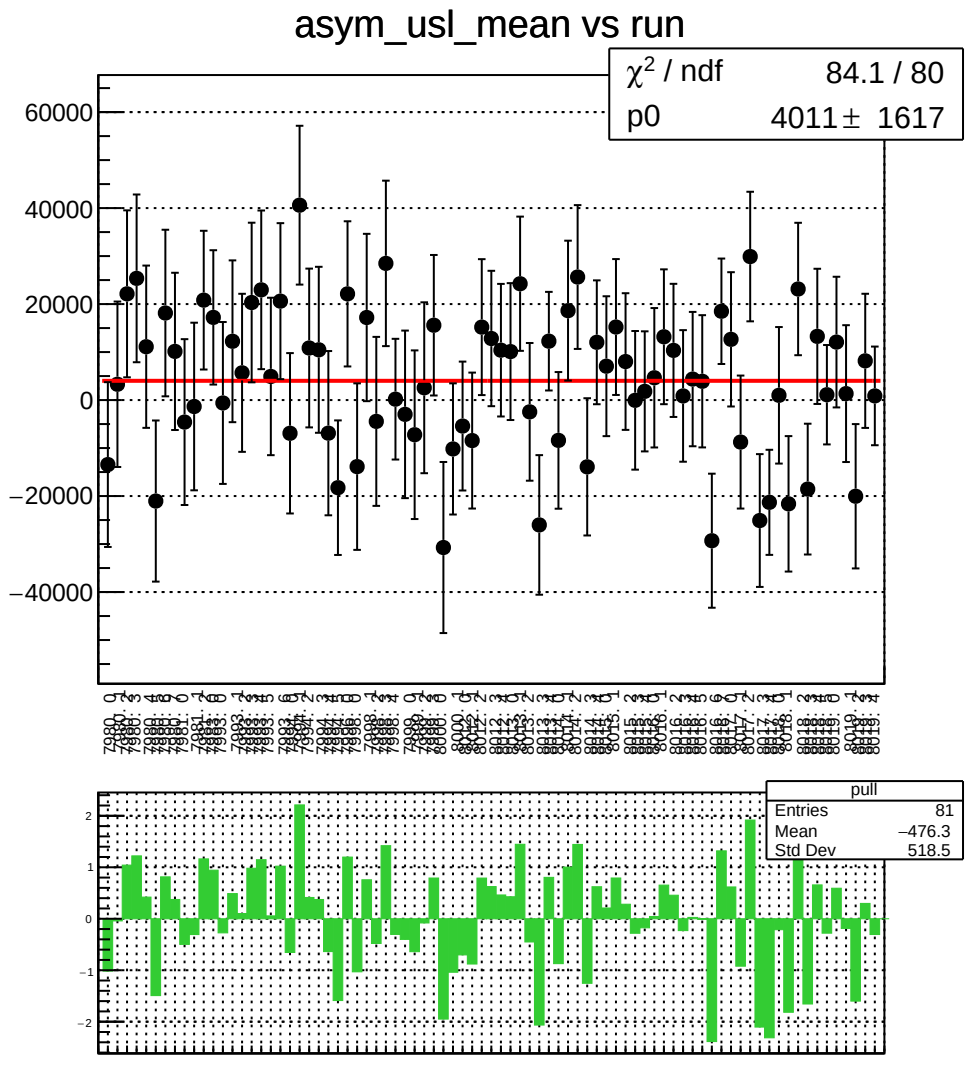

pull1D
Entries 81
Mean 0.007228
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

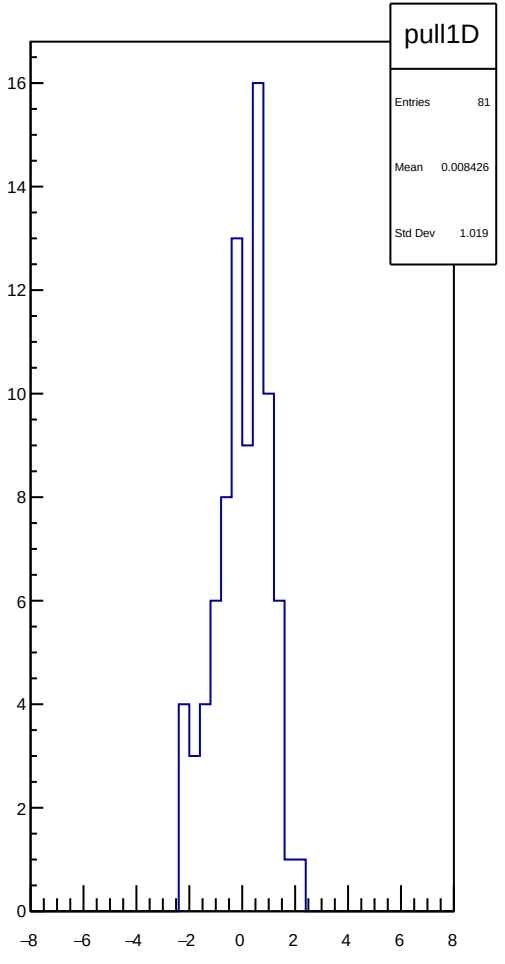

dit_asym_usl_rms vs run
χ² / ndf 136.9 / 80
p0 1091 ± 0.8602
1140
1130
1120
1110
1100
1090
1080
1070
1060

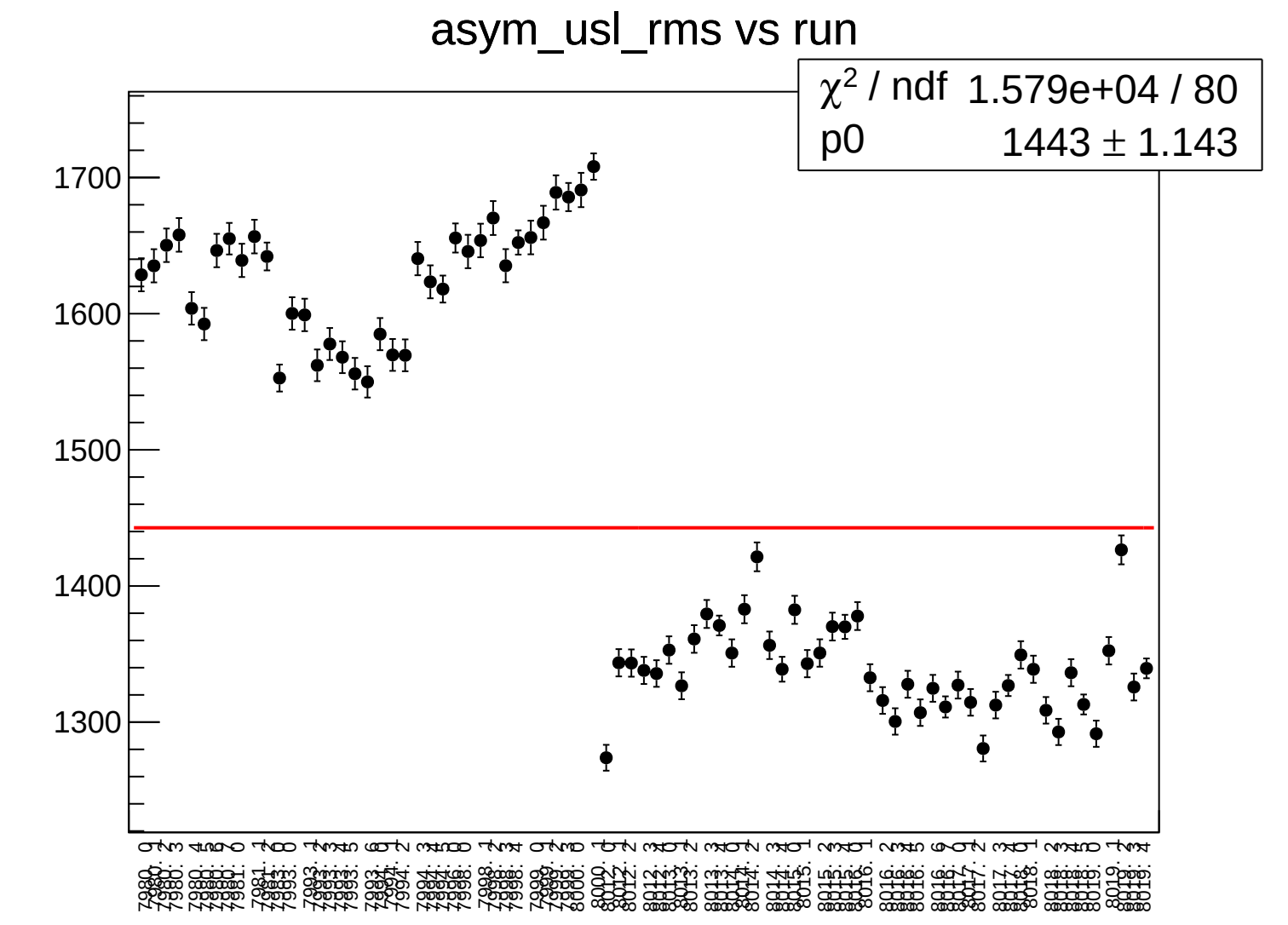

asym_usl_correction_mean vs run
χ² / ndf 85.08 / 80
p0 −1901 ± 997.2
pull
Entries 81
Mean 220.5
Std Dev 173.7

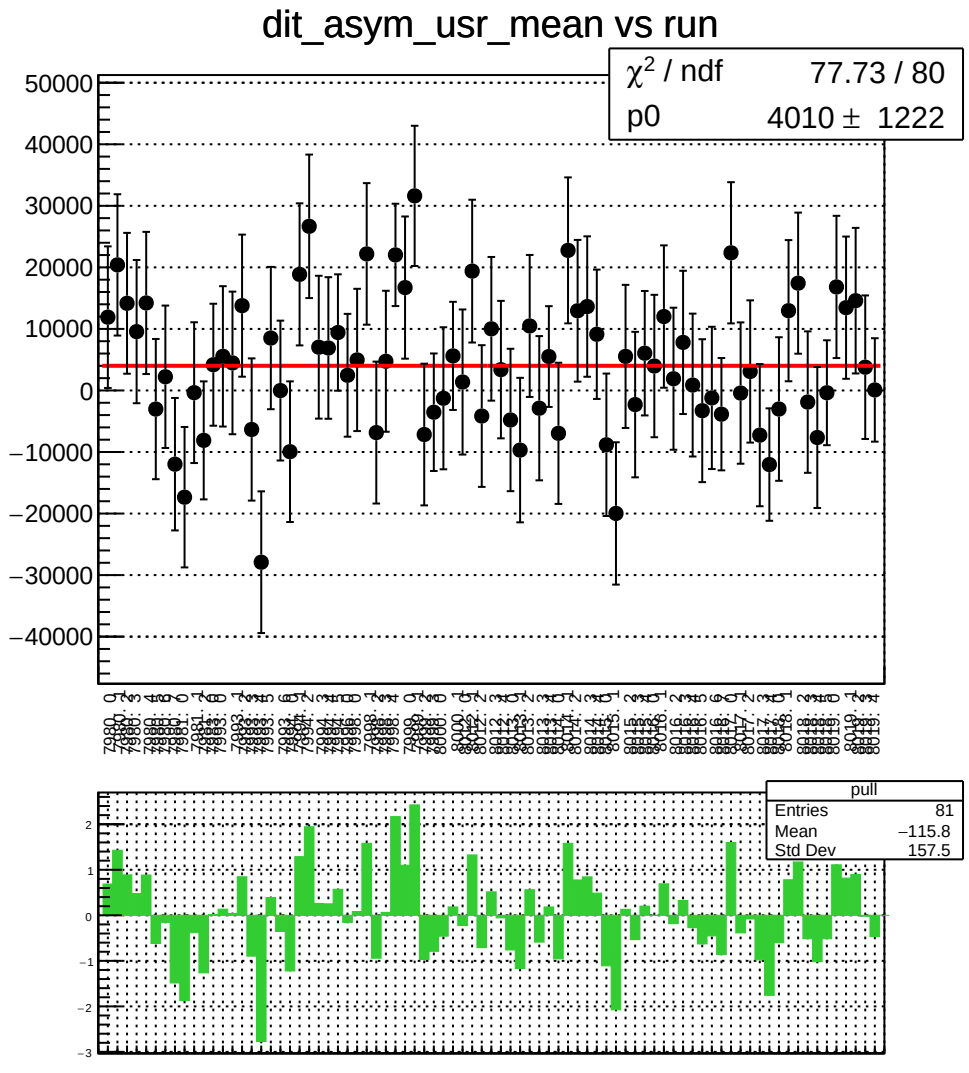

pull1D
Entries 81
Mean 0.001538
Std Dev 1.025

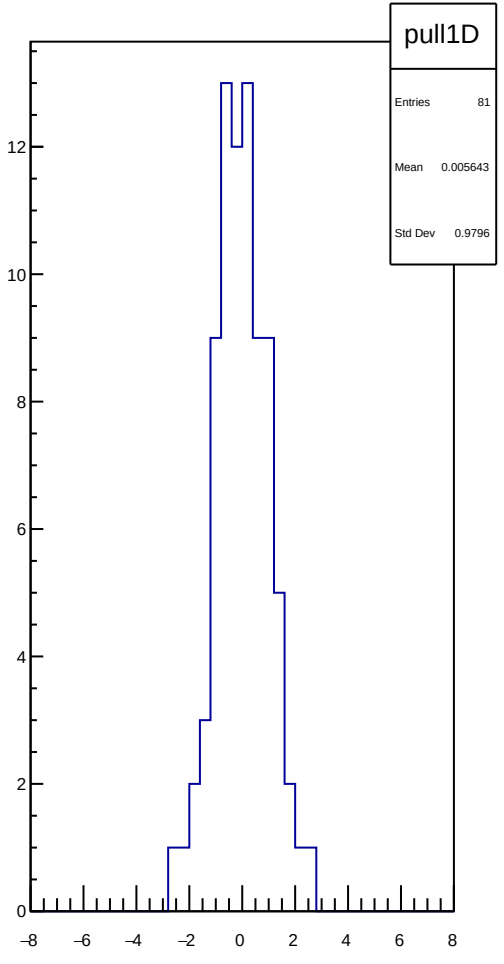

asym_usl_correction_rms vs run
χ² / ndf 1.023e+05 / 80
p0 865.2 ± 0.7051
1400
1300
1200
1100
1000
900
800
700

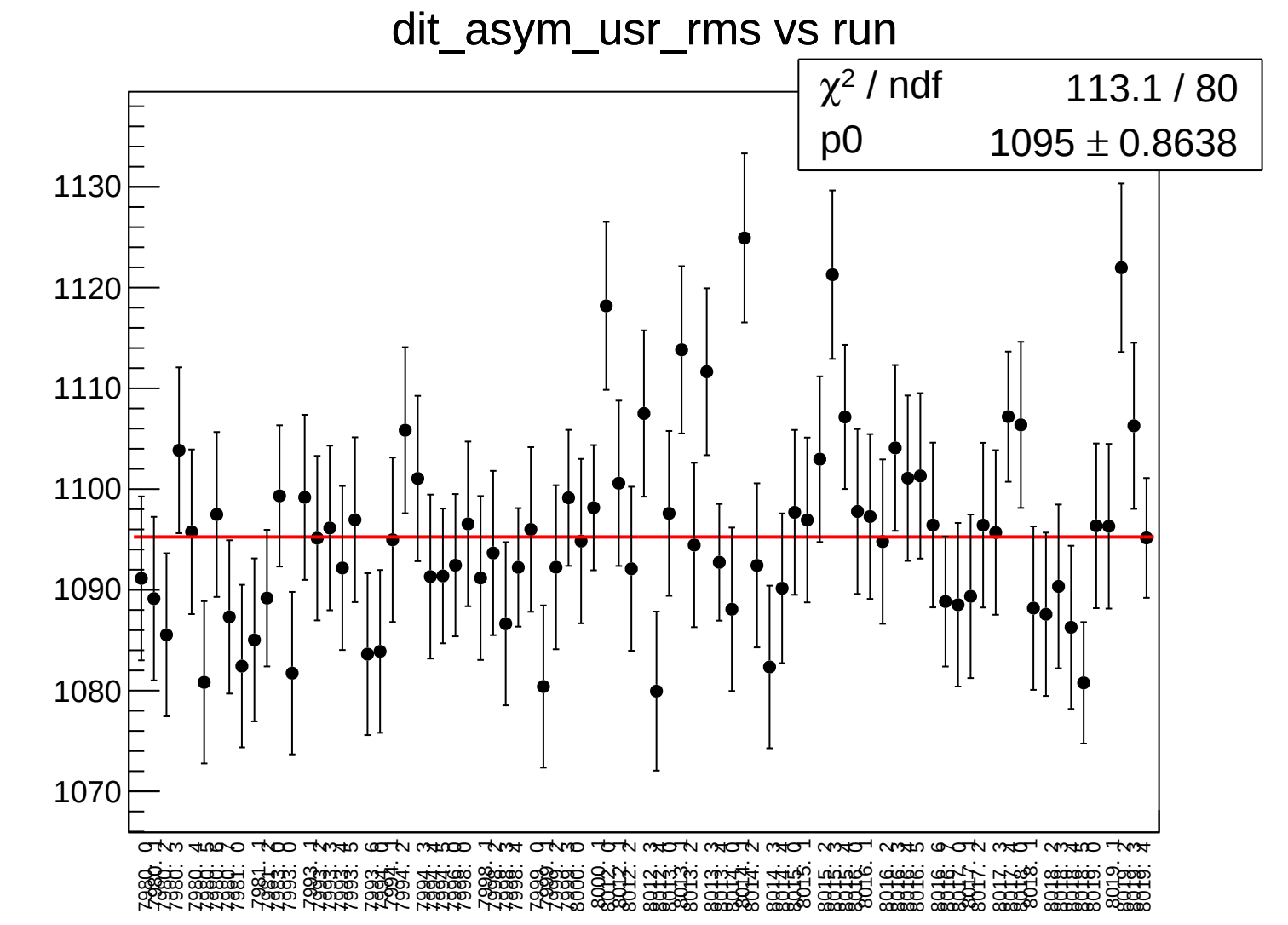

asym_usl_mean vs run
χ² / ndf 84.1 / 80
p0 4011 ± 1617
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −476.3
Std Dev 518.5
2
1
0
−1
−2

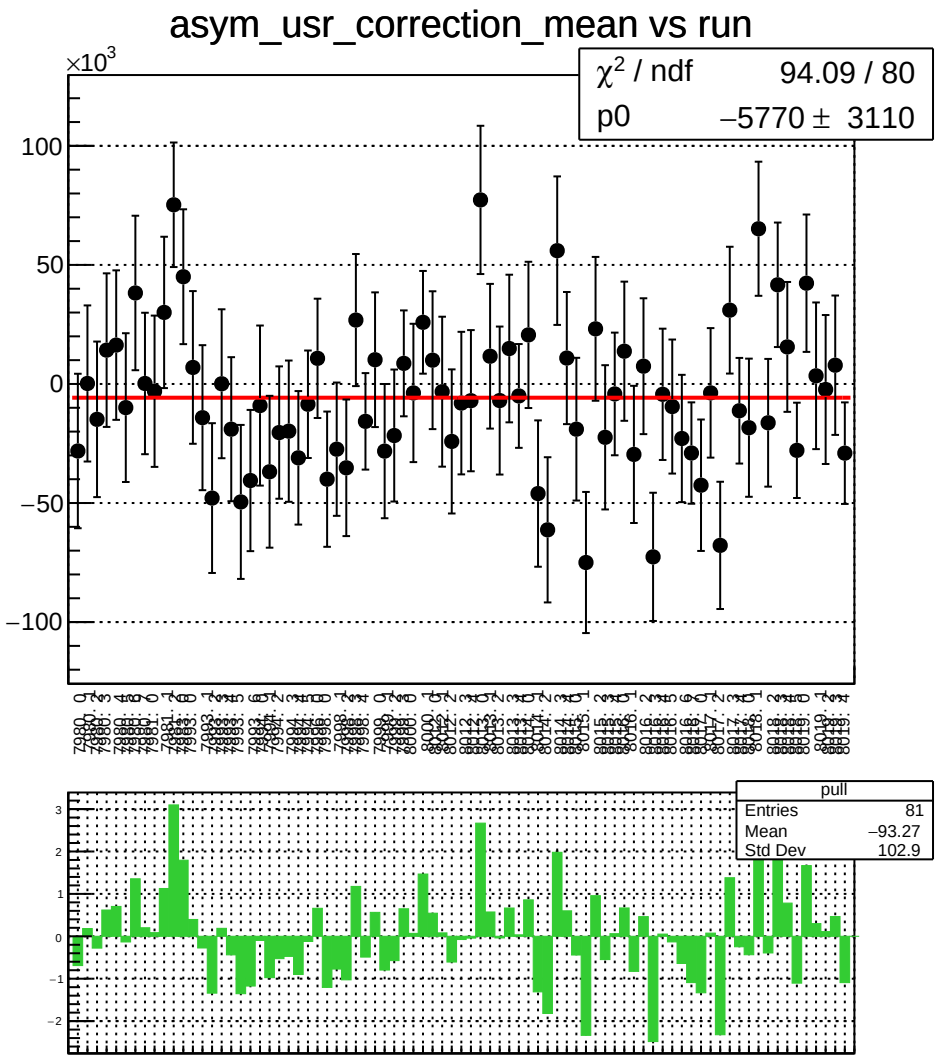

pull1D
Entries 81
Mean 0.008426
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

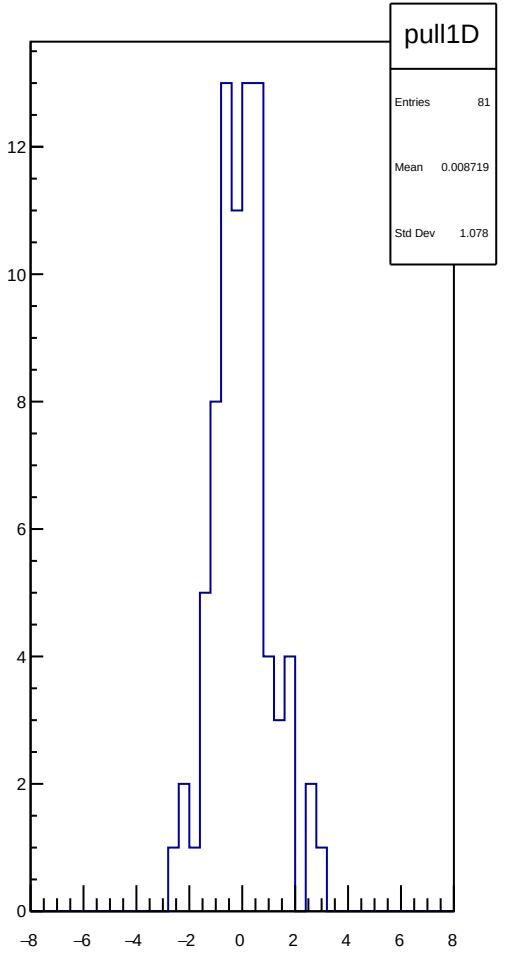

asym_usl_rms vs run
χ² / ndf 1.579e+04 / 80
p0 1443 ± 1.143
1700
1600
1500
1400
1300

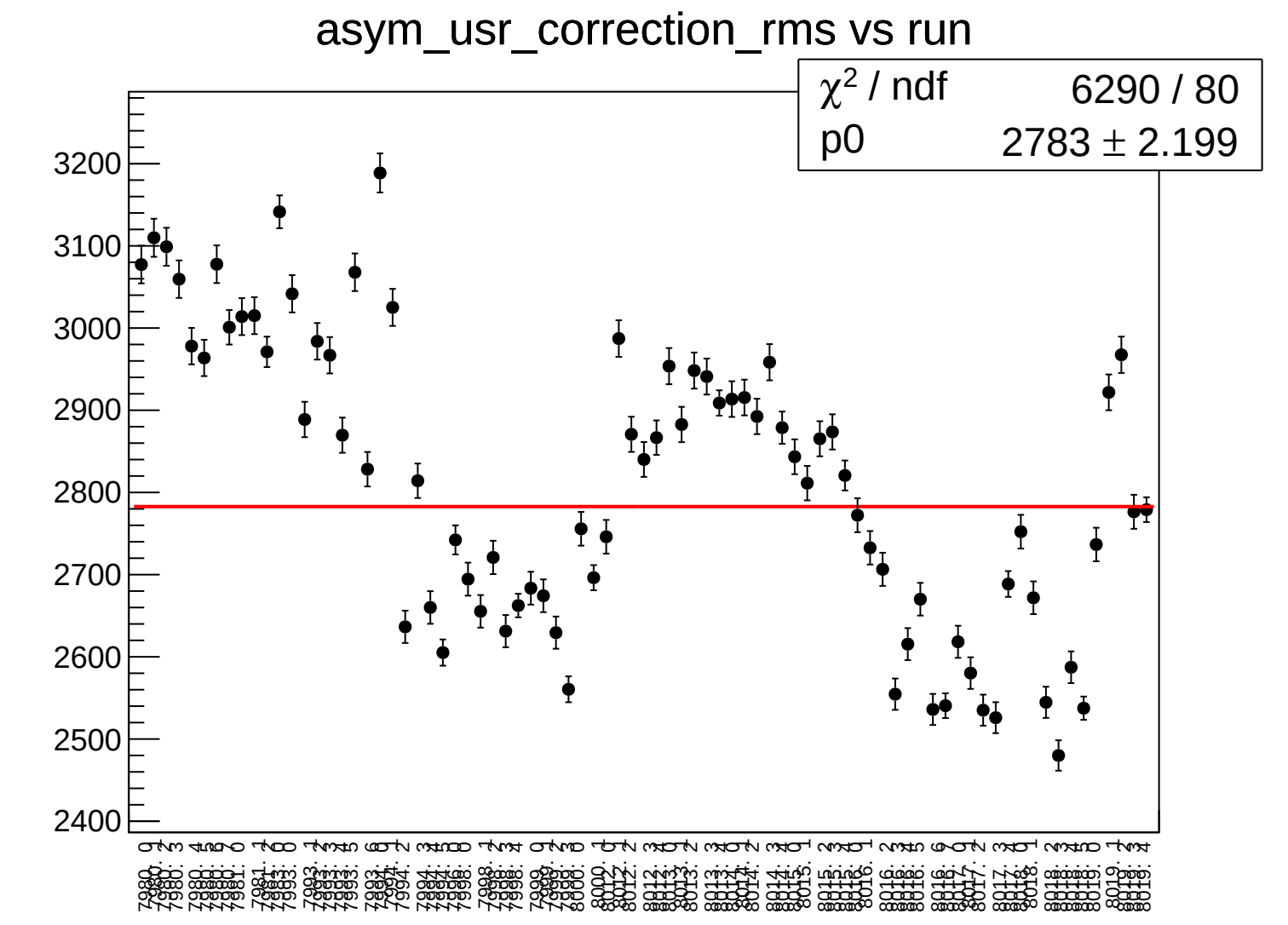

dit_asym_usr_mean vs run
χ² / ndf 77.73 / 80
p0 4010 ± 1222
pull
Entries 81
Mean −115.8
Std Dev 157.5

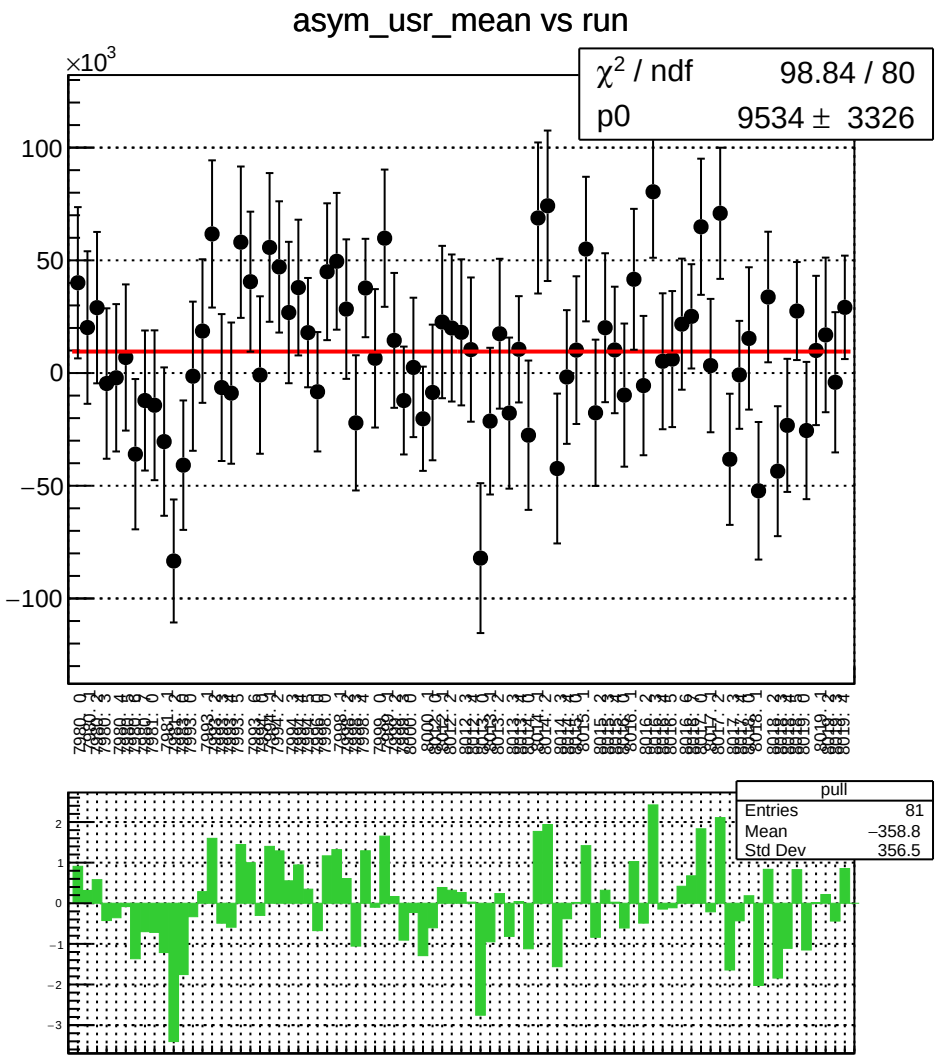

pull1D
Entries 81
Mean 0.005643
Std Dev 0.9796

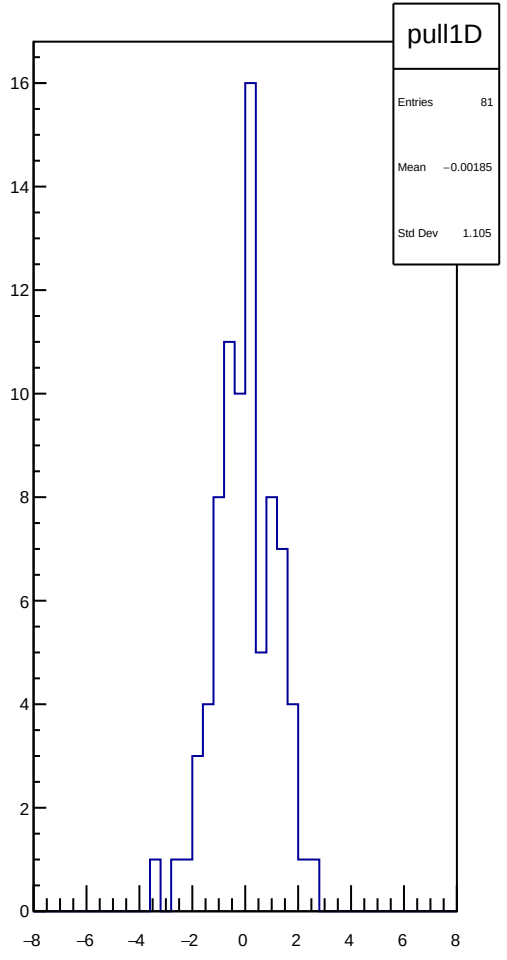

dit_asym_usr_rms vs run
χ^2 / ndf 113.1 / 80
p0 1095 ± 0.8638
1130
1120
1110
1100
1090
1080
1070

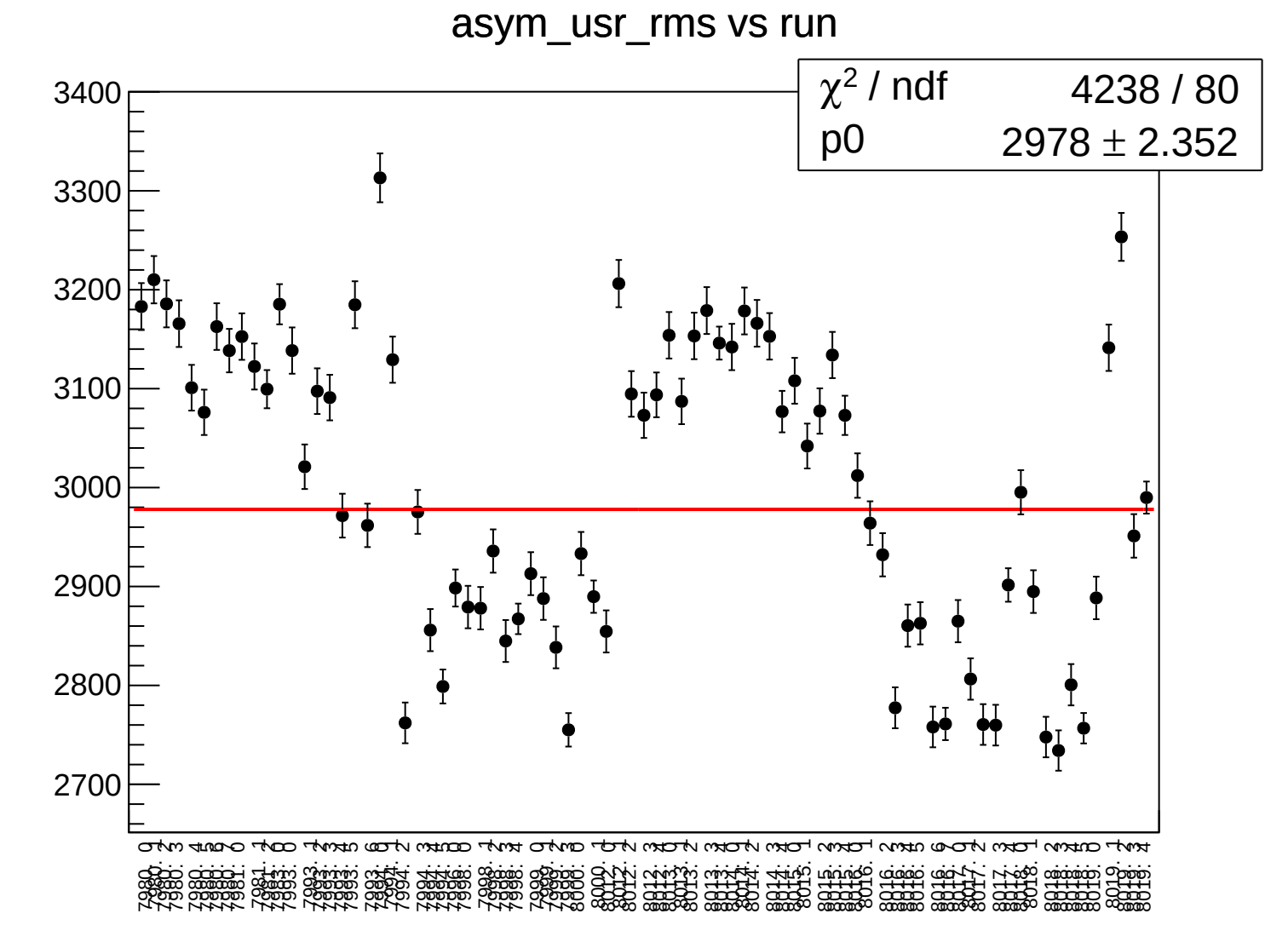

asym_usr_correction_mean vs run
×10^3
χ² / ndf 94.09 / 80
p0 −5770 ± 3110
100
50
0
−50
−100
pull
Entries 81
Mean −93.27
Std Dev 102.9
3
2
1
0
−1
−2

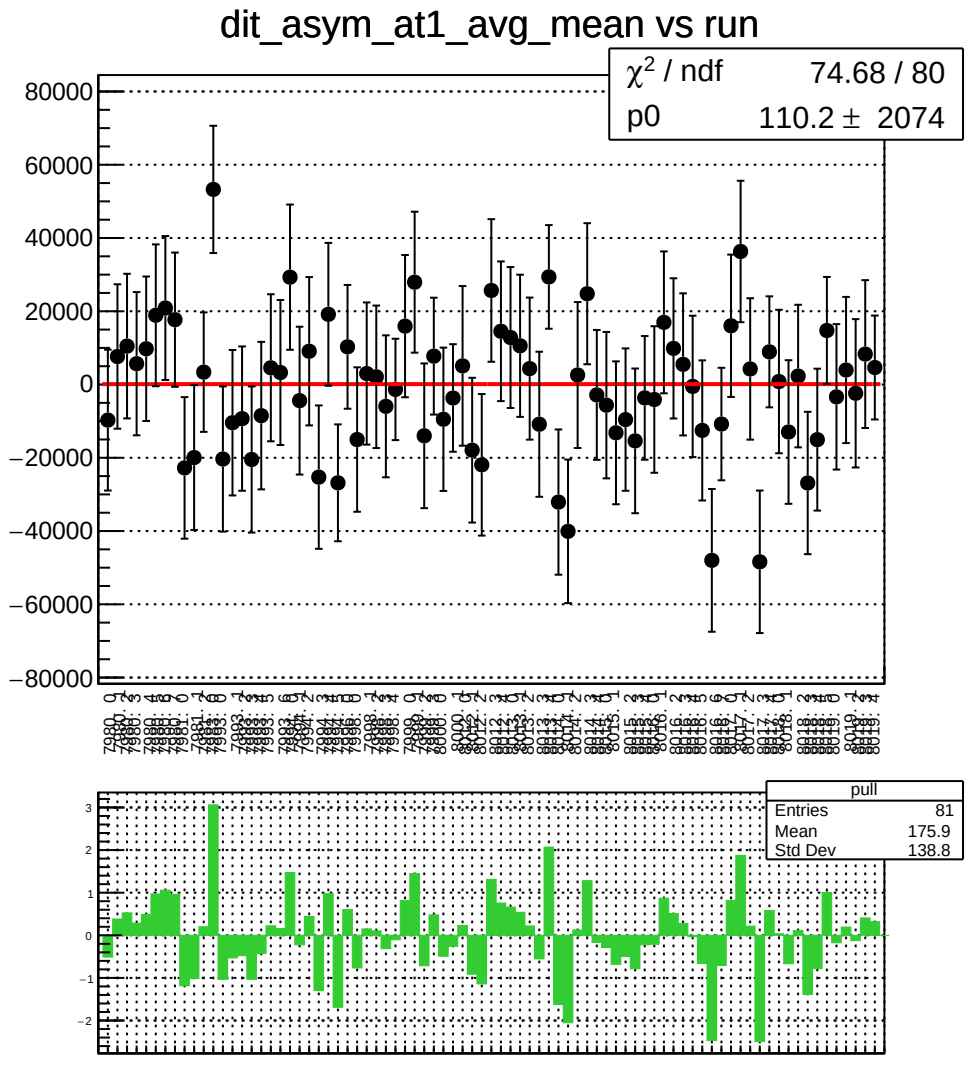

pull1D
Entries 81
Mean 0.008719
Std Dev 1.078
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

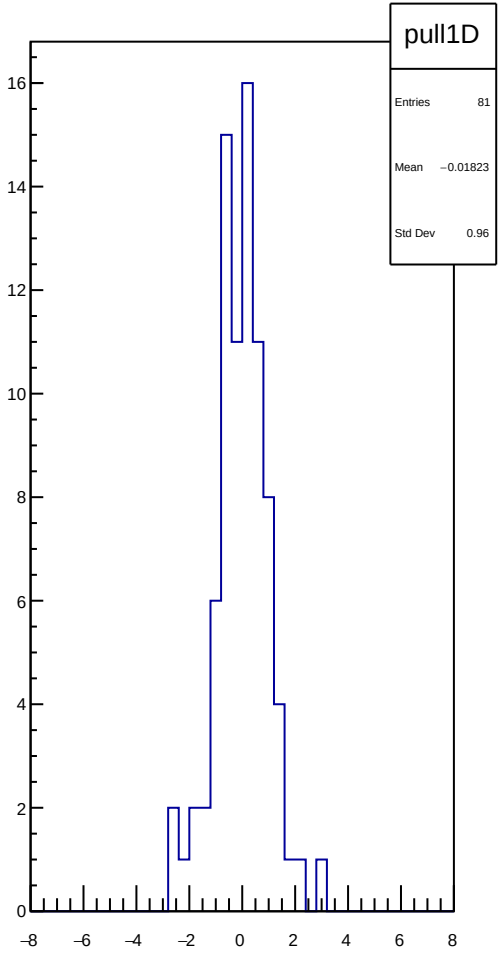

asym_usr_correction_rms vs run
χ² / ndf 6290 / 80
p0 2783 ± 2.199
3200
3100
3000
2900
2800
2700
2600
2500
2400

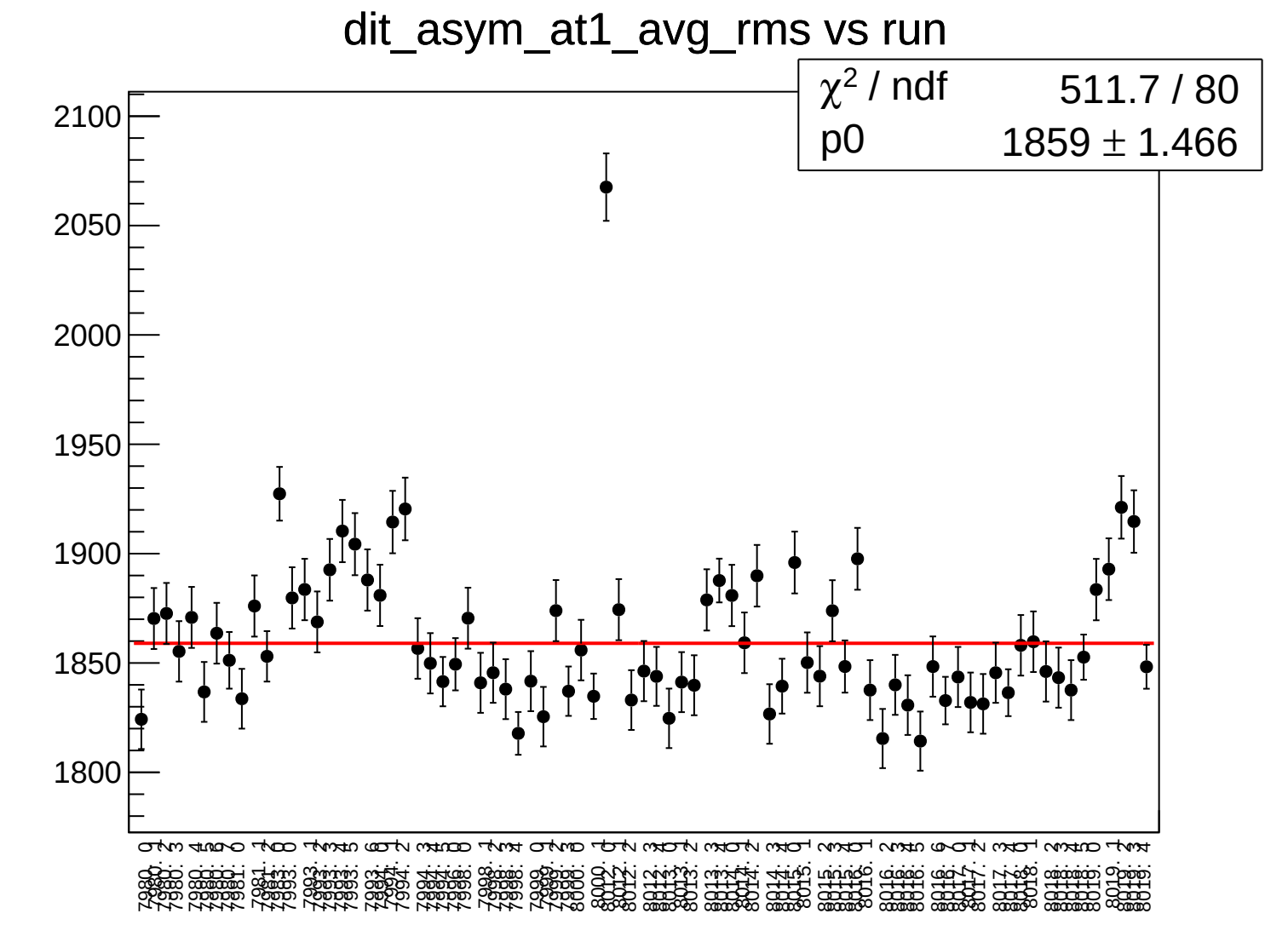

asym_usr_mean vs run
×10^3
χ² / ndf 98.84 / 80
p0 9534 ± 3326
100
50
0
−50
−100
pull
Entries 81
Mean −358.8
Std Dev 356.5
2
1
0
−1
−2
−3

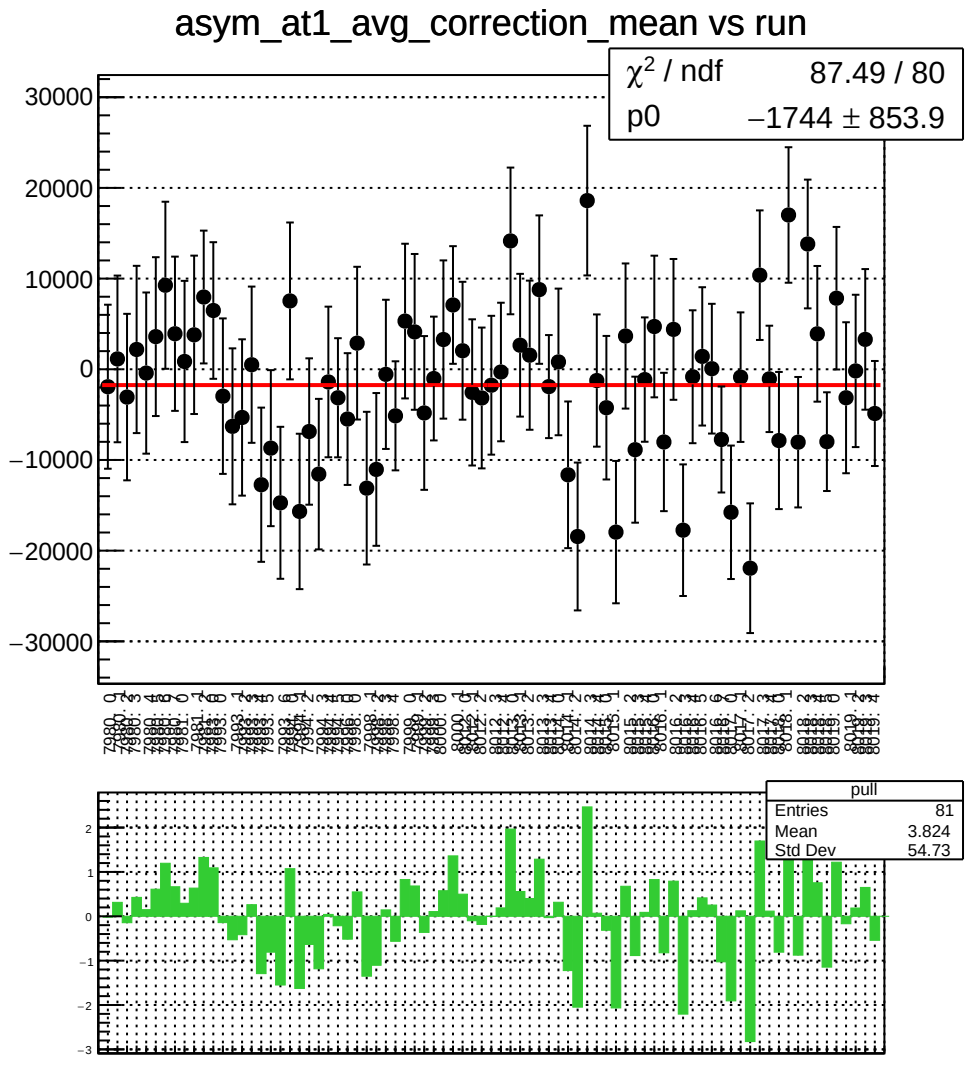

pull1D
Entries 81
Mean −0.00185
Std Dev 1.105
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

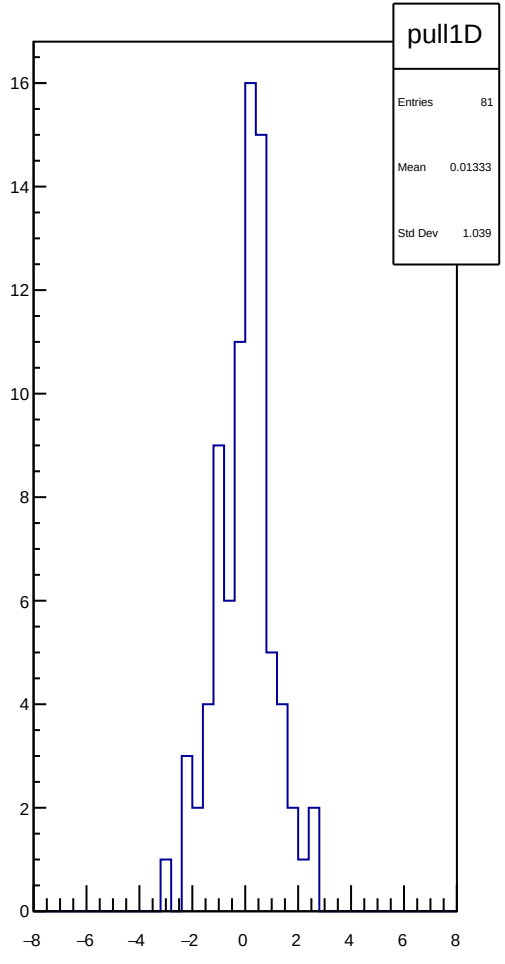

asym_usr_rms vs run
χ² / ndf 4238 / 80
p0 2978 ± 2.352
3400
3300
3200
3100
3000
2900
2800
2700

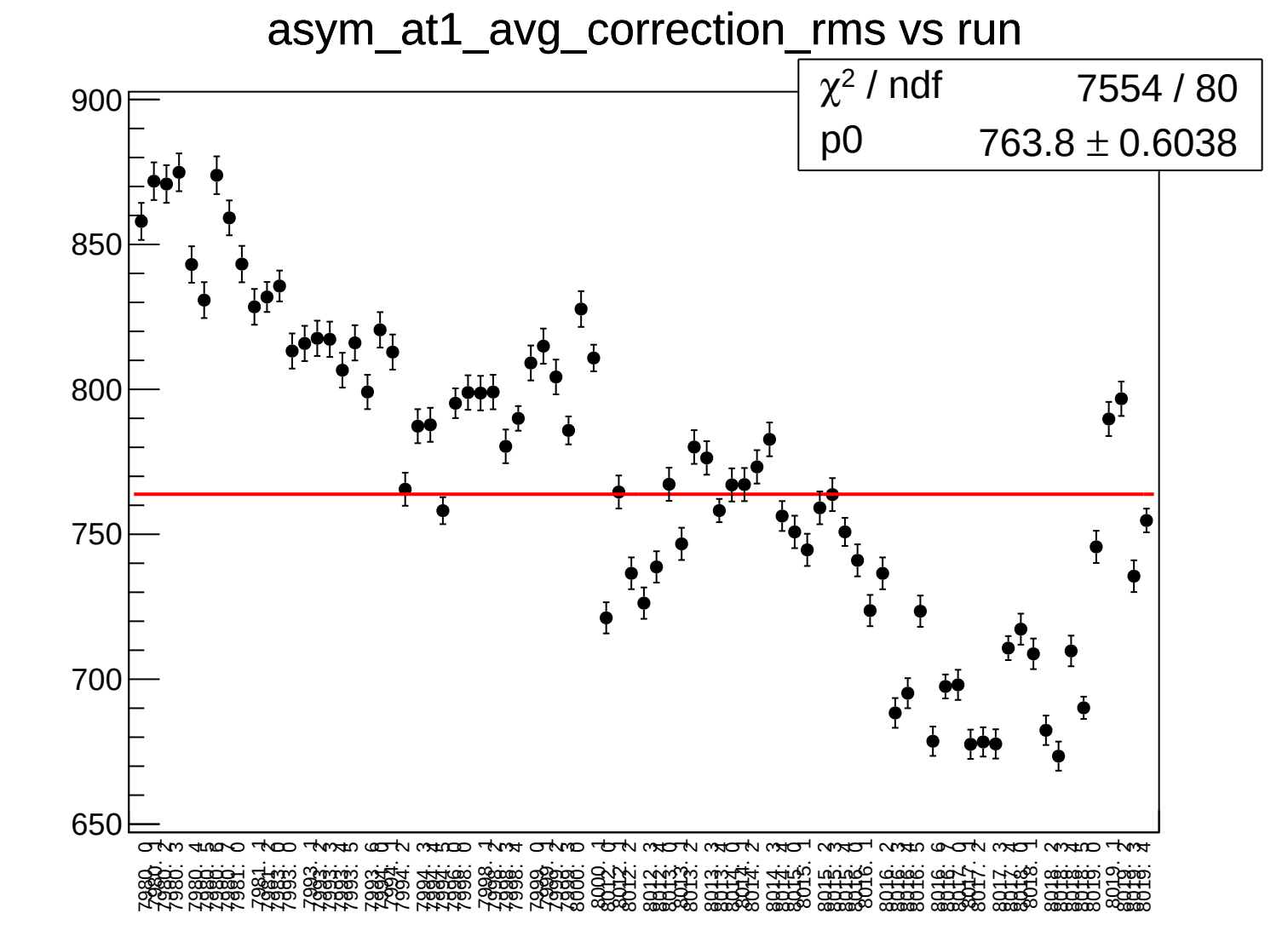

dit_asym_at1_avg_mean vs run
χ² / ndf 74.68 / 80
p0 110.2 ± 2074
pull
Entries 81
Mean 175.9
Std Dev 138.8

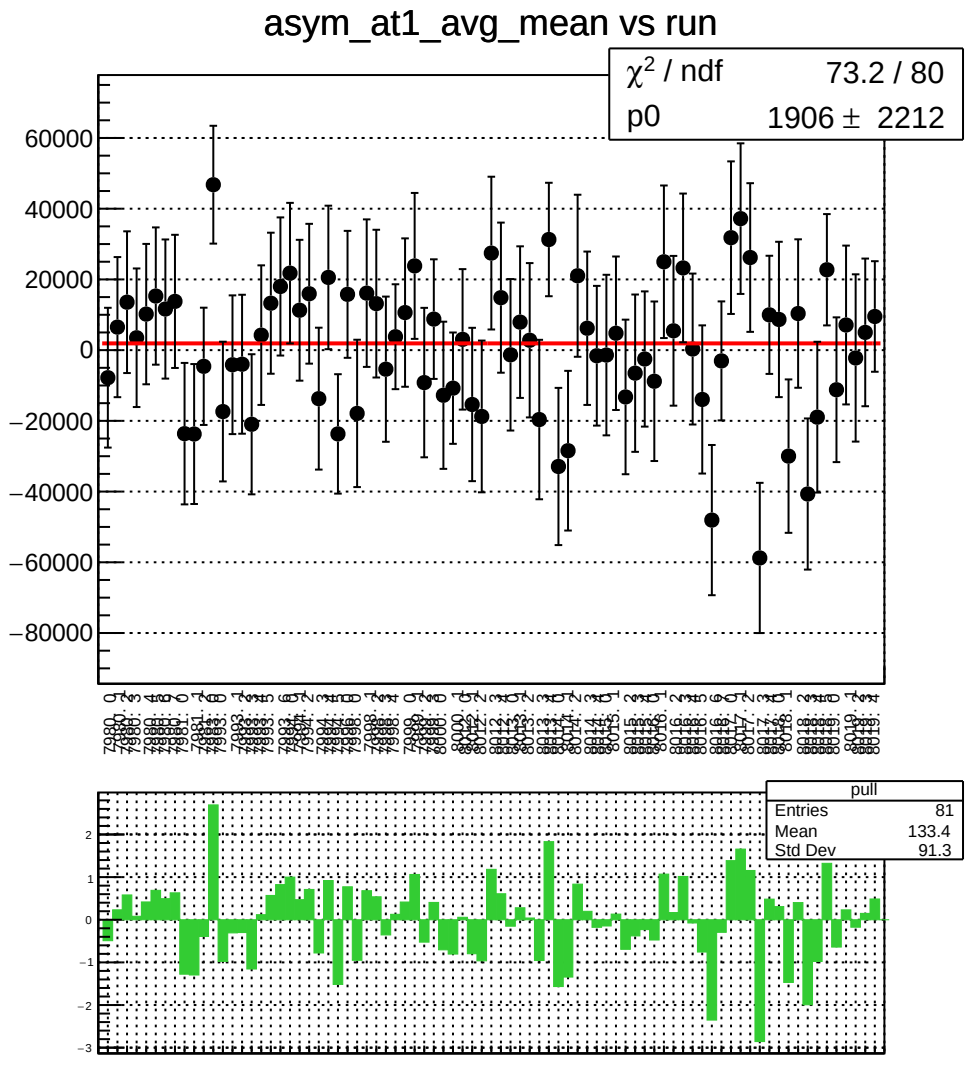

pull1D
Entries 81
Mean −0.01823
Std Dev 0.96

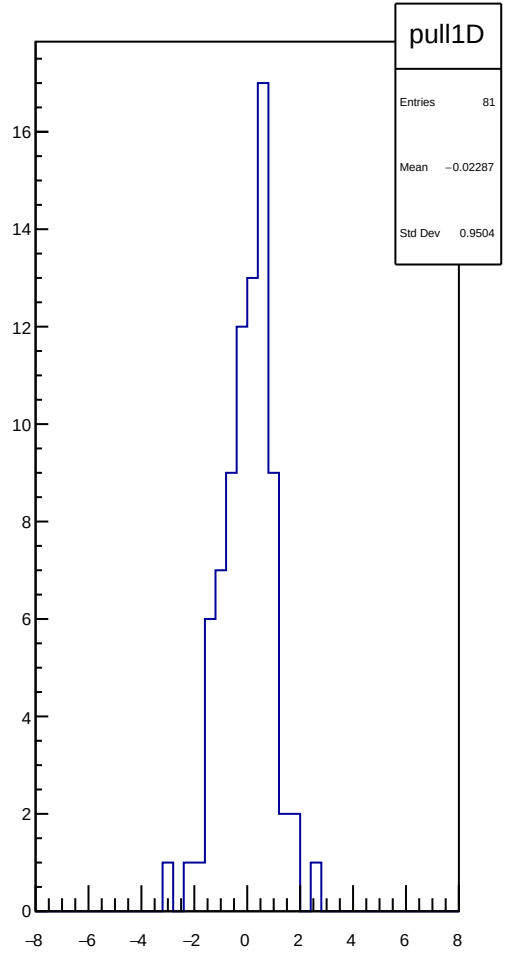

dit_asym_at1_avg_rms vs run
χ² / ndf 511.7 / 80
p0 1859 ± 1.466
2100
2050
2000
1950
1900
1850
1800

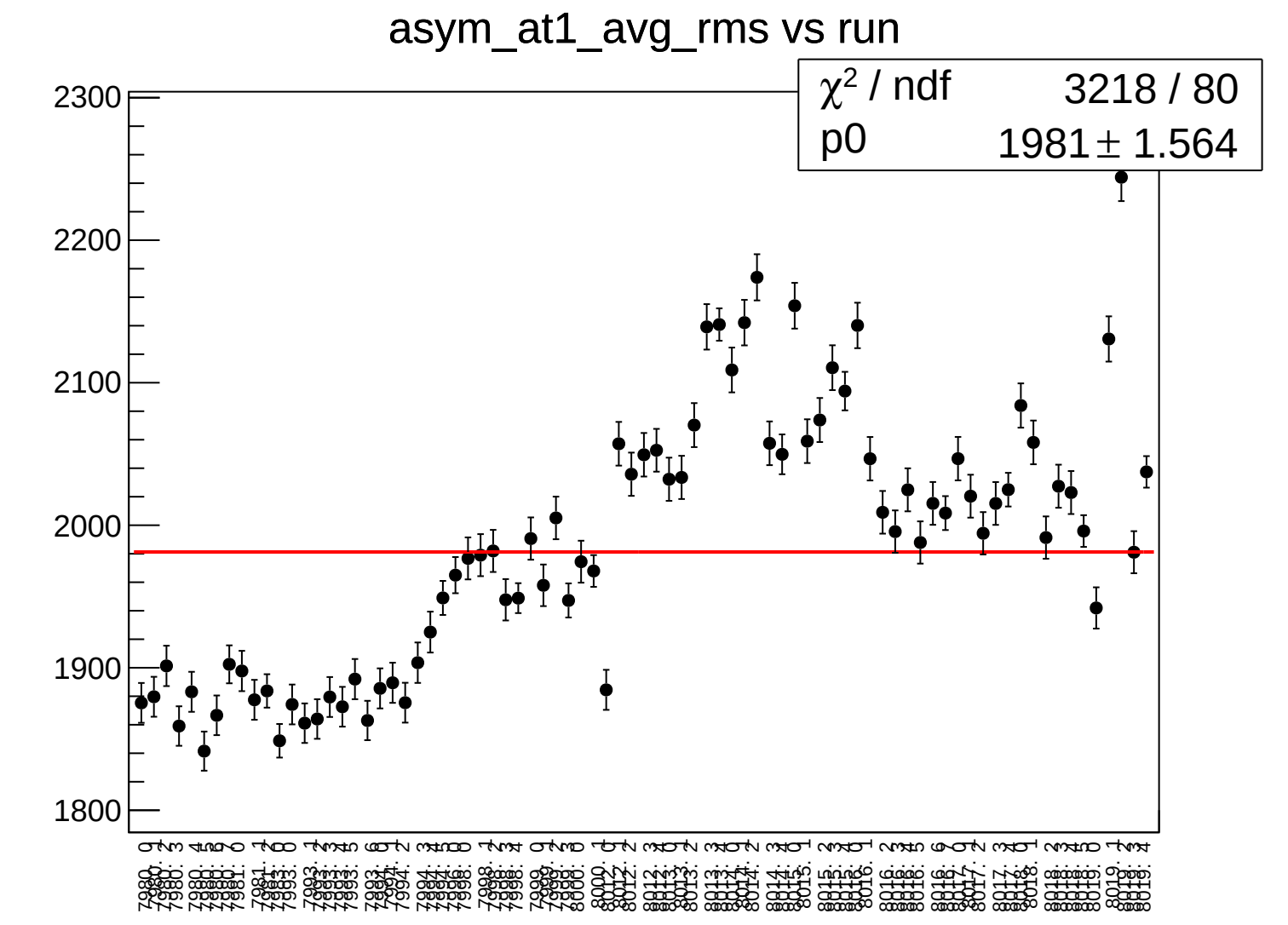

asym_at1_avg_correction_mean vs run
χ² / ndf 87.49 / 80
p0 −1744 ± 853.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 3.824
Std Dev 54.73
2
1
0
−1
−2
−3

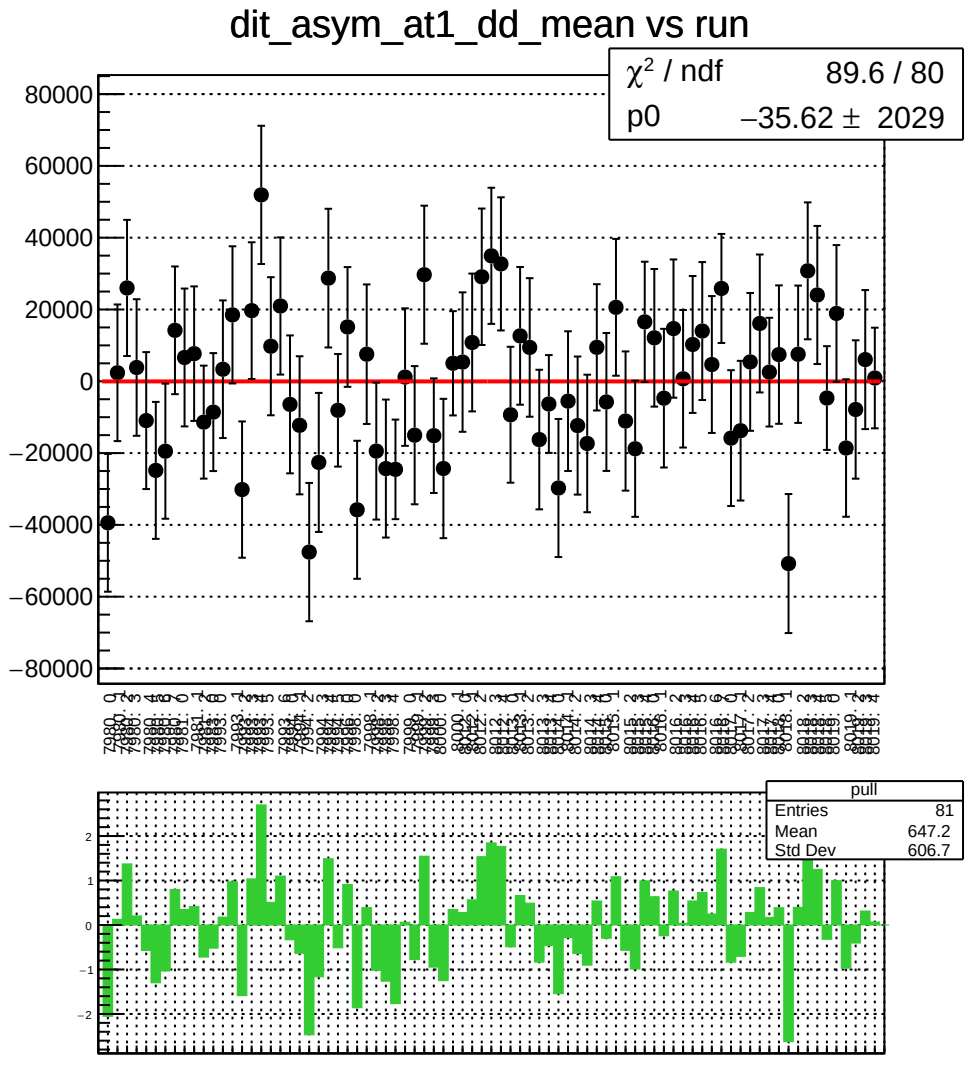

pull1D
Entries 81
Mean 0.01333
Std Dev 1.039
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

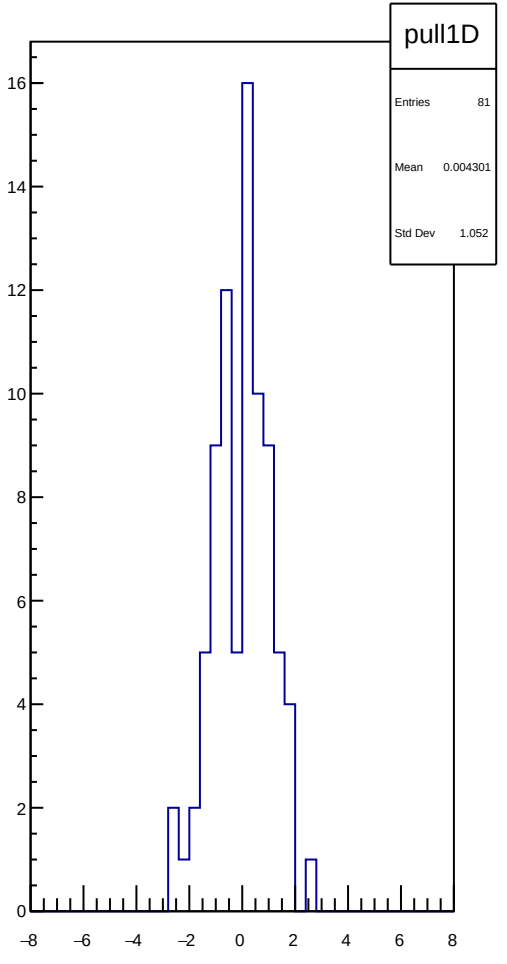

asym_at1_avg_correction_rms vs run
χ² / ndf 7554 / 80
p0 763.8 ± 0.6038
900
850
800
750
700
650

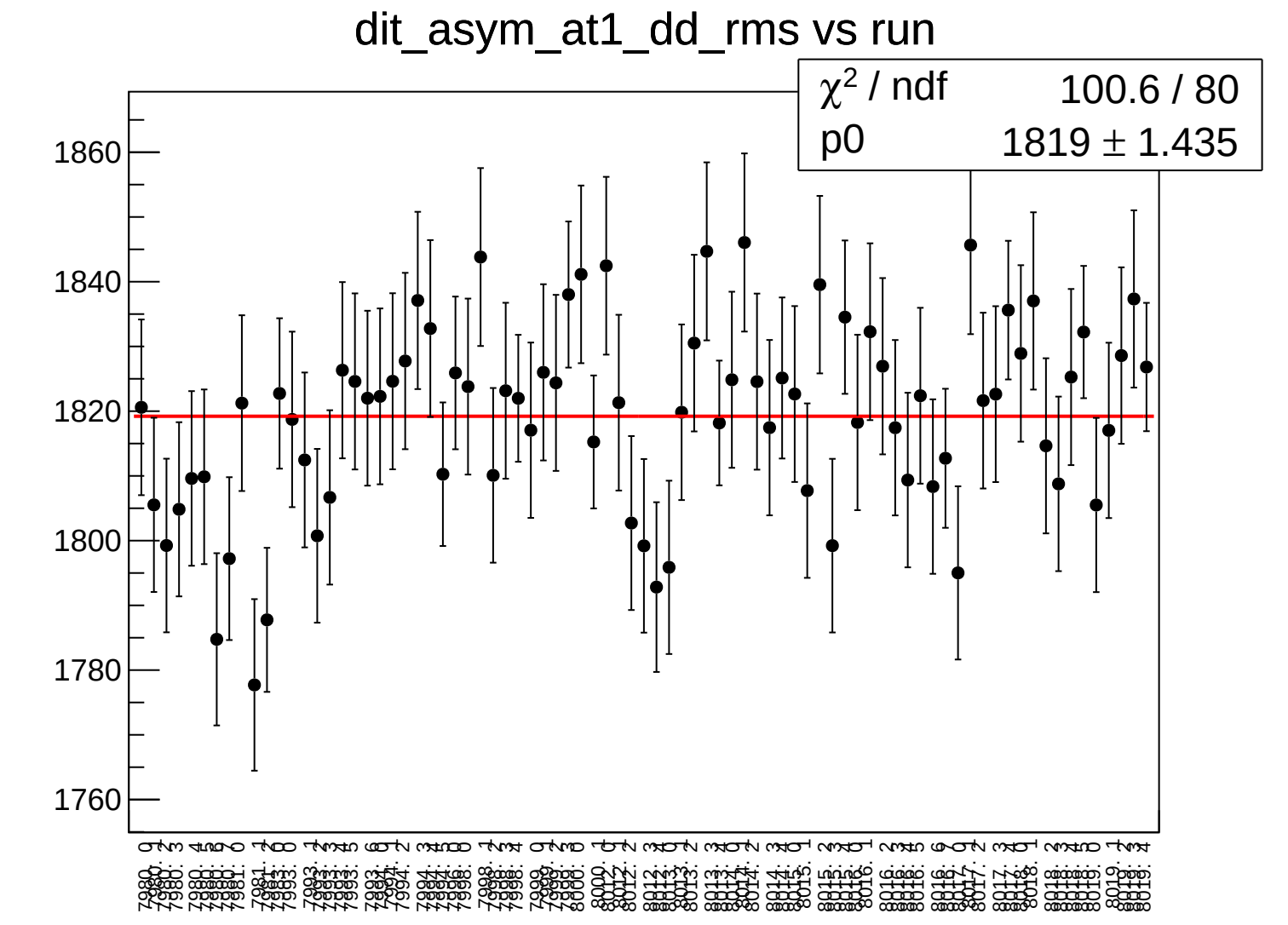

asym_at1_avg_mean vs run
χ² / ndf 73.2 / 80
p0 1906 ± 2212
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 133.4
Std Dev 91.3
2
1
0
−1
−2
−3

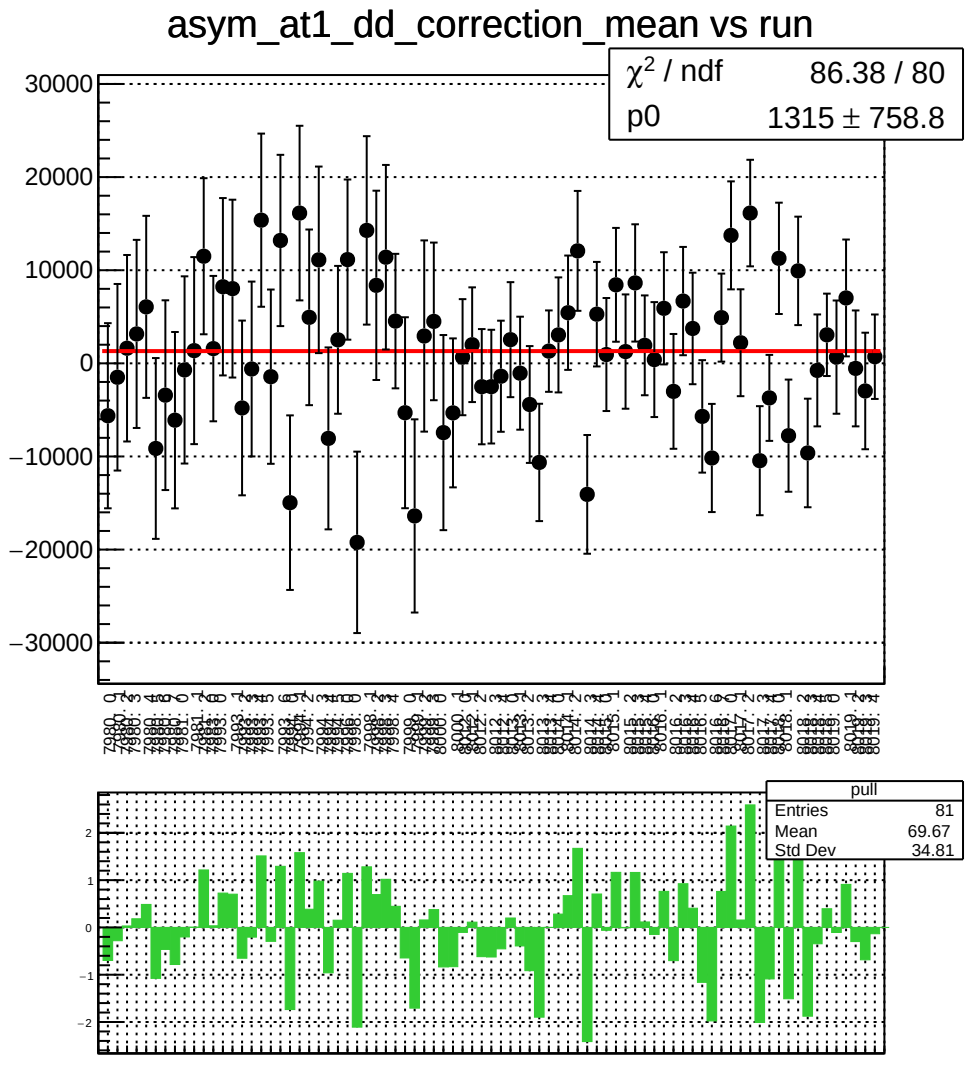

pull1D
Entries 81
Mean −0.02287
Std Dev 0.9504
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

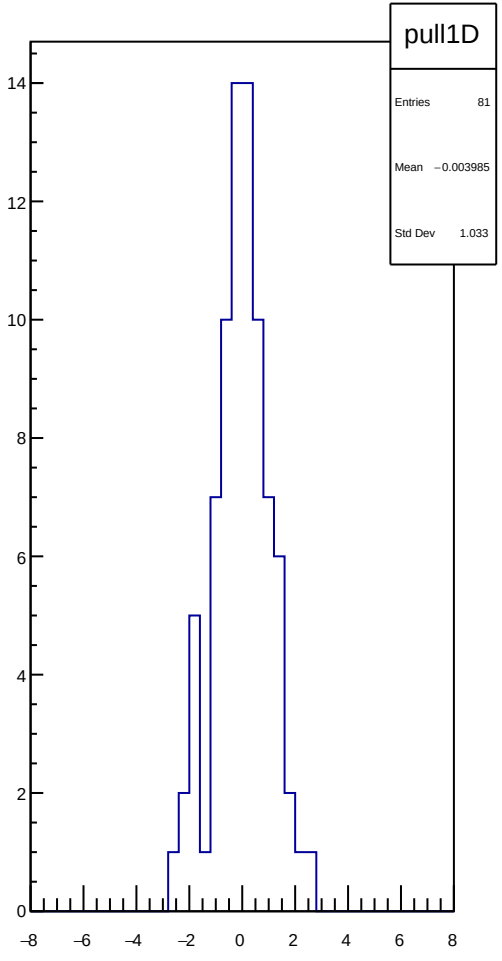

asym_at1_avg_rms vs run
χ² / ndf 3218 / 80
p0 1981 ± 1.564
2300
2200
2100
2000
1900
1800

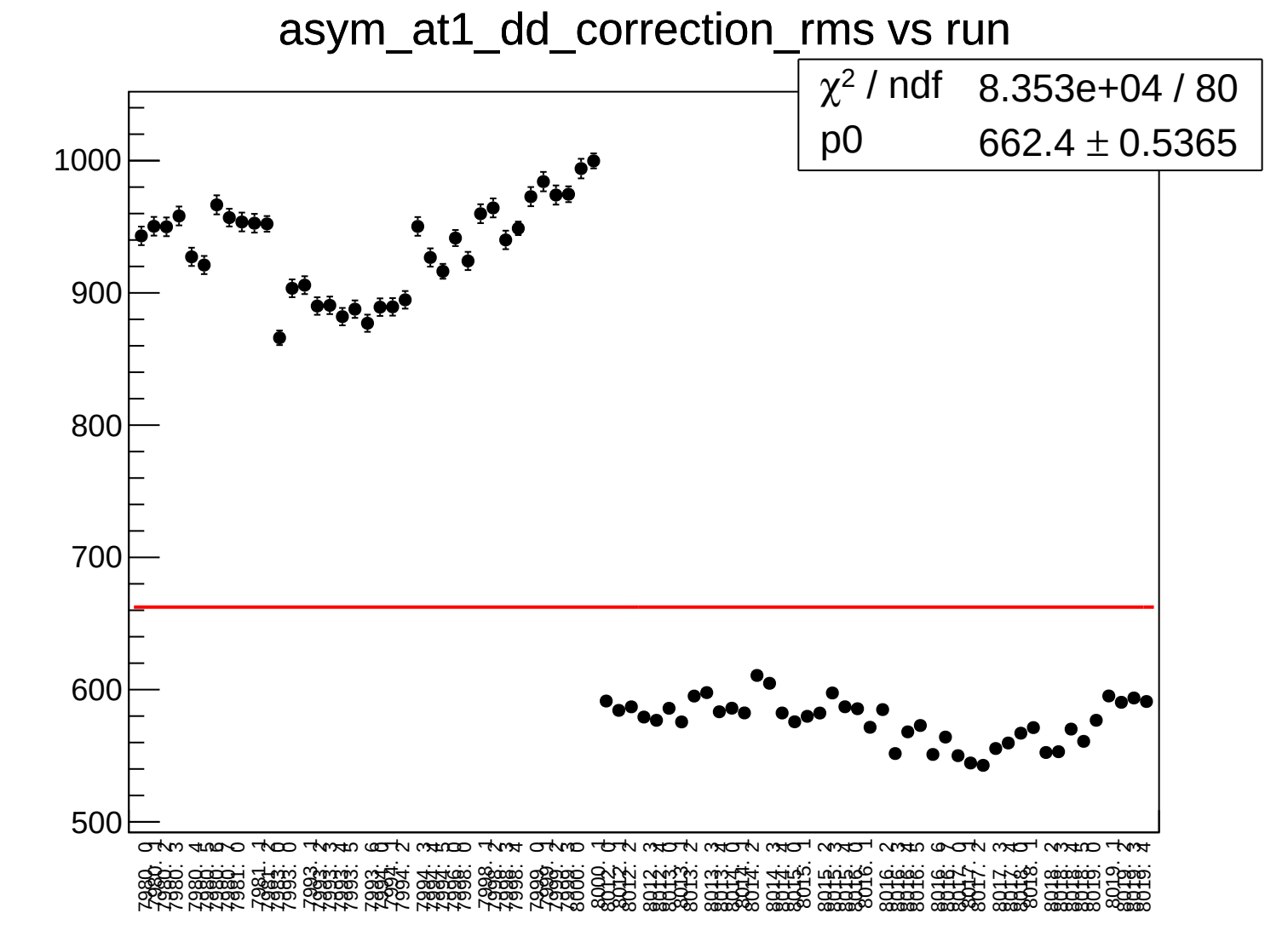

dit_asym_at1_dd_mean vs run
χ² / ndf 89.6 / 80
p0 −35.62 ± 2029
pull
Entries 81
Mean 647.2
Std Dev 606.7

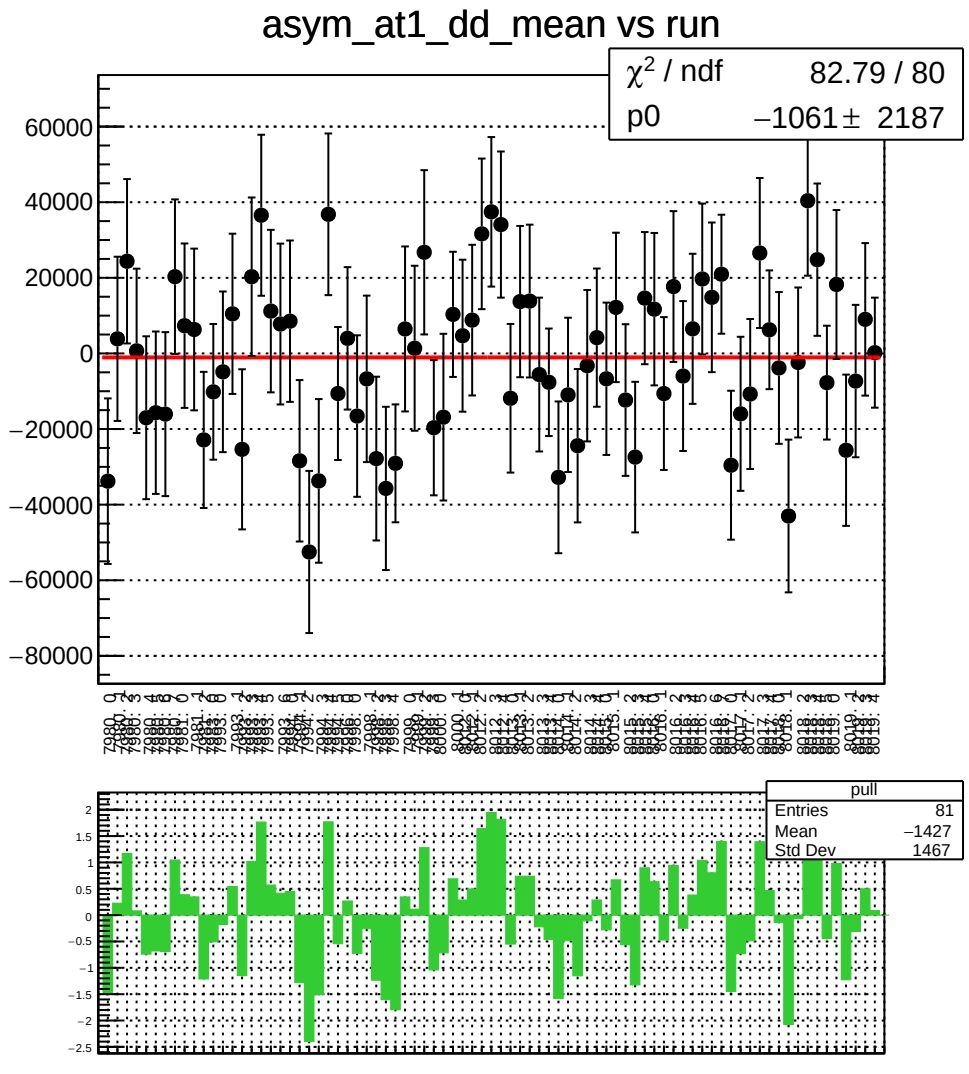

pull1D
Entries 81
Mean 0.004301
Std Dev 1.052

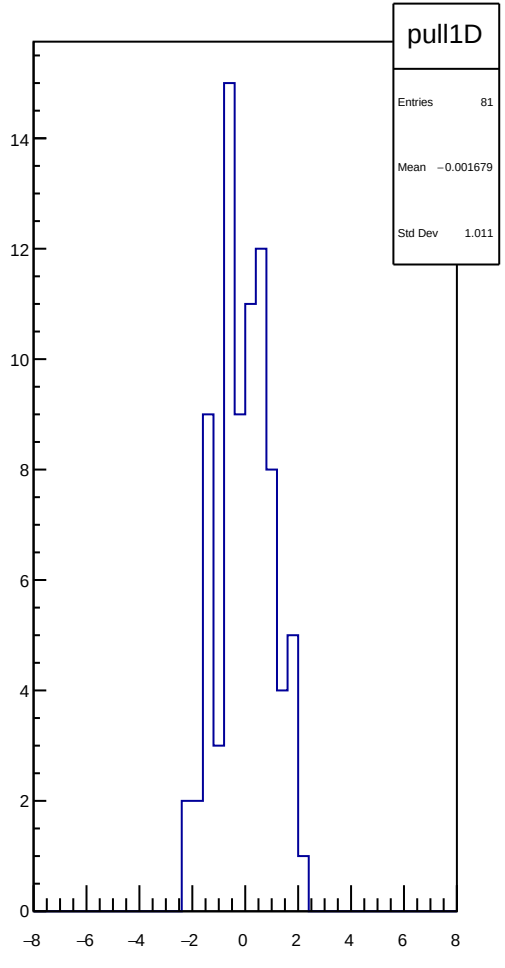

dit_asym_at1_dd_rms vs run
χ² / ndf 100.6 / 80
p0 1819 ± 1.435
1860
1840
1820
1800
1780
1760

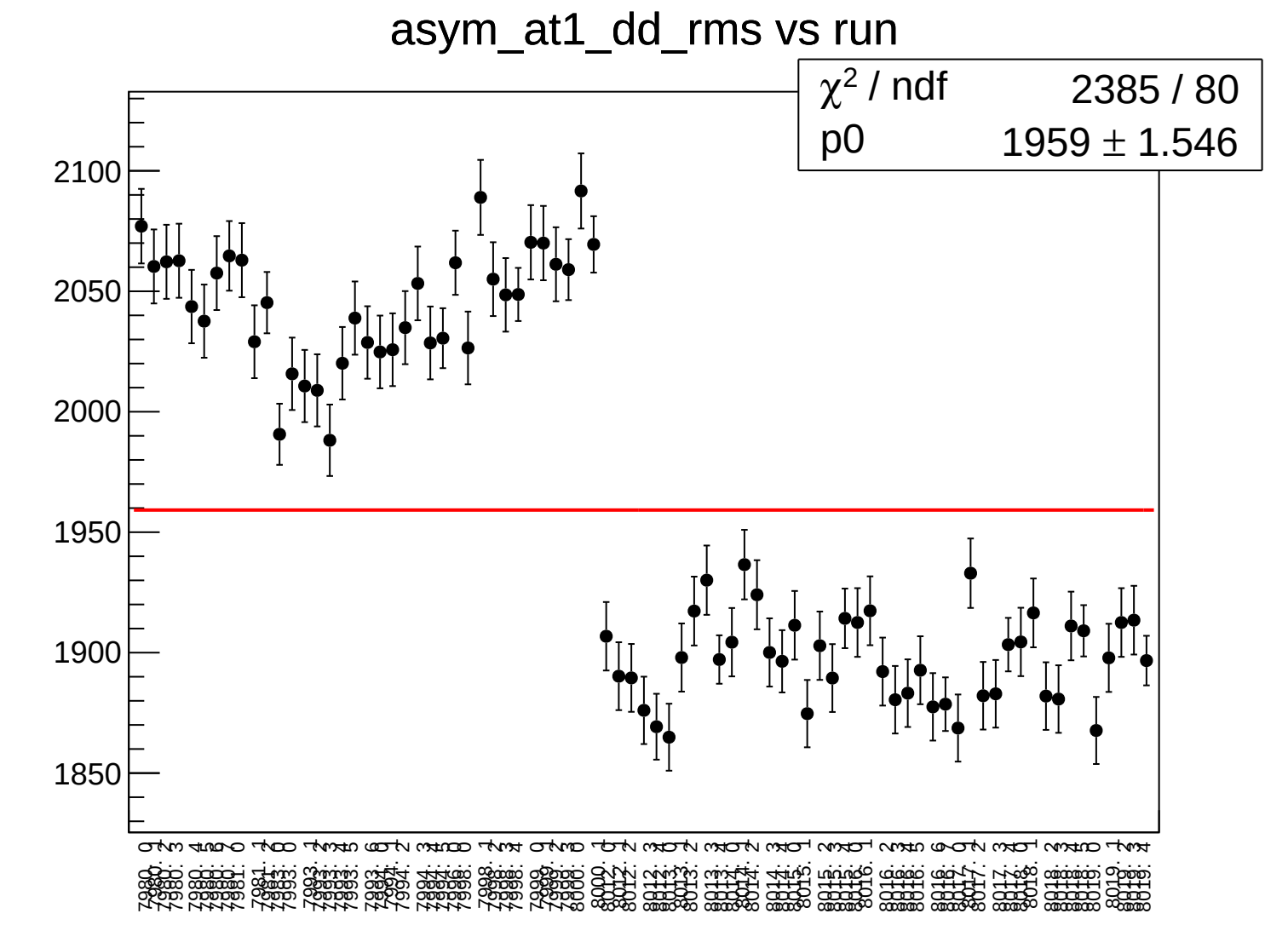

asym_at1_dd_correction_mean vs run
χ² / ndf 86.38 / 80
p0 1315 ± 758.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 69.67
Std Dev 34.81
2
1
0
−1
−2

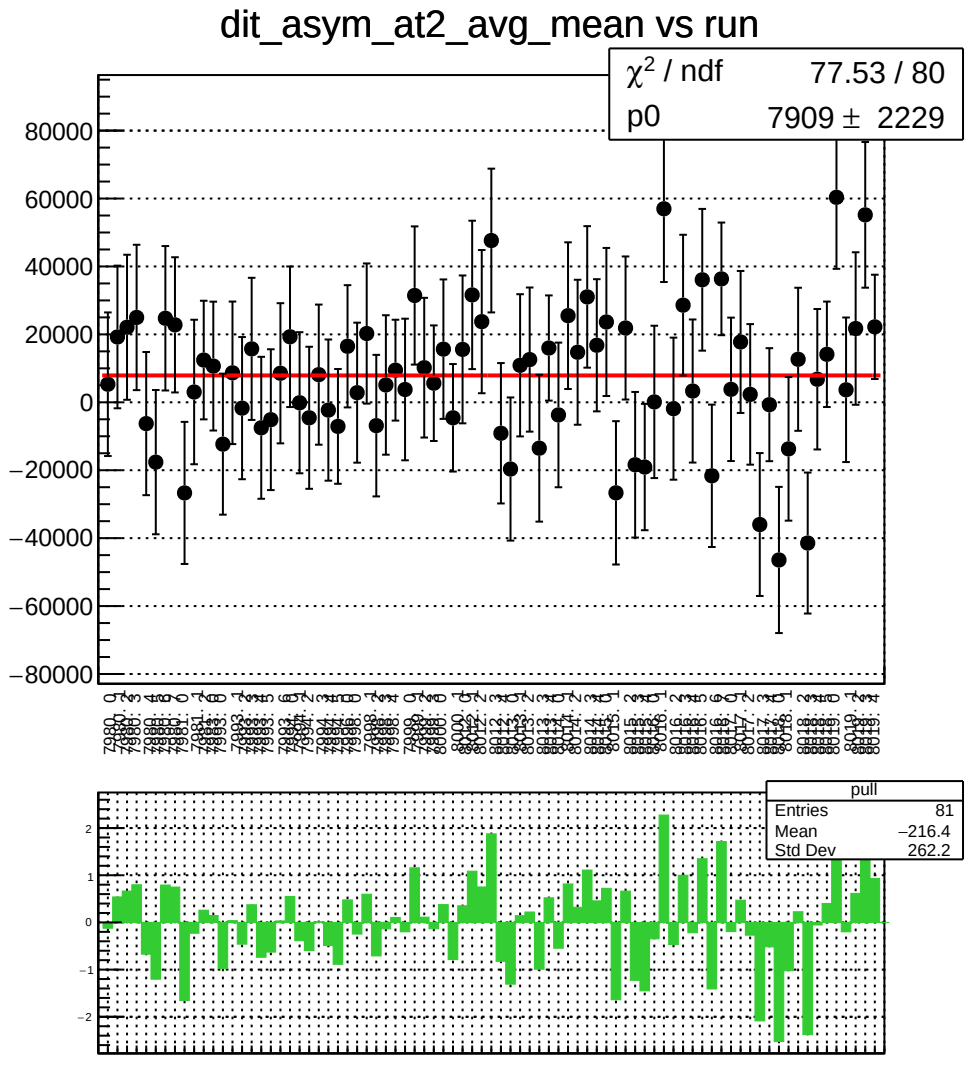

pull1D
Entries 81
Mean −0.003985
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

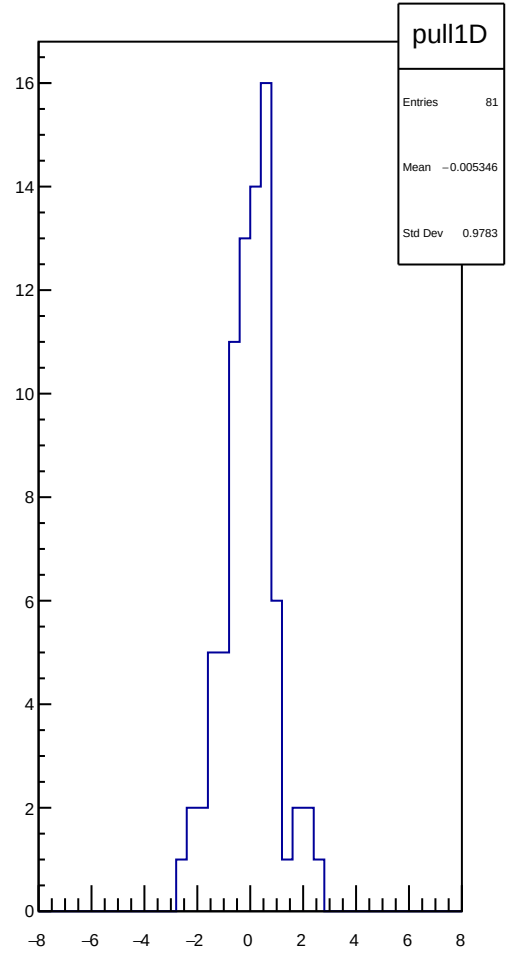

asym_at1_dd_correction_rms vs run
χ² / ndf 8.353e+04 / 80
p0 662.4 ± 0.5365
1000
900
800
700
600
500

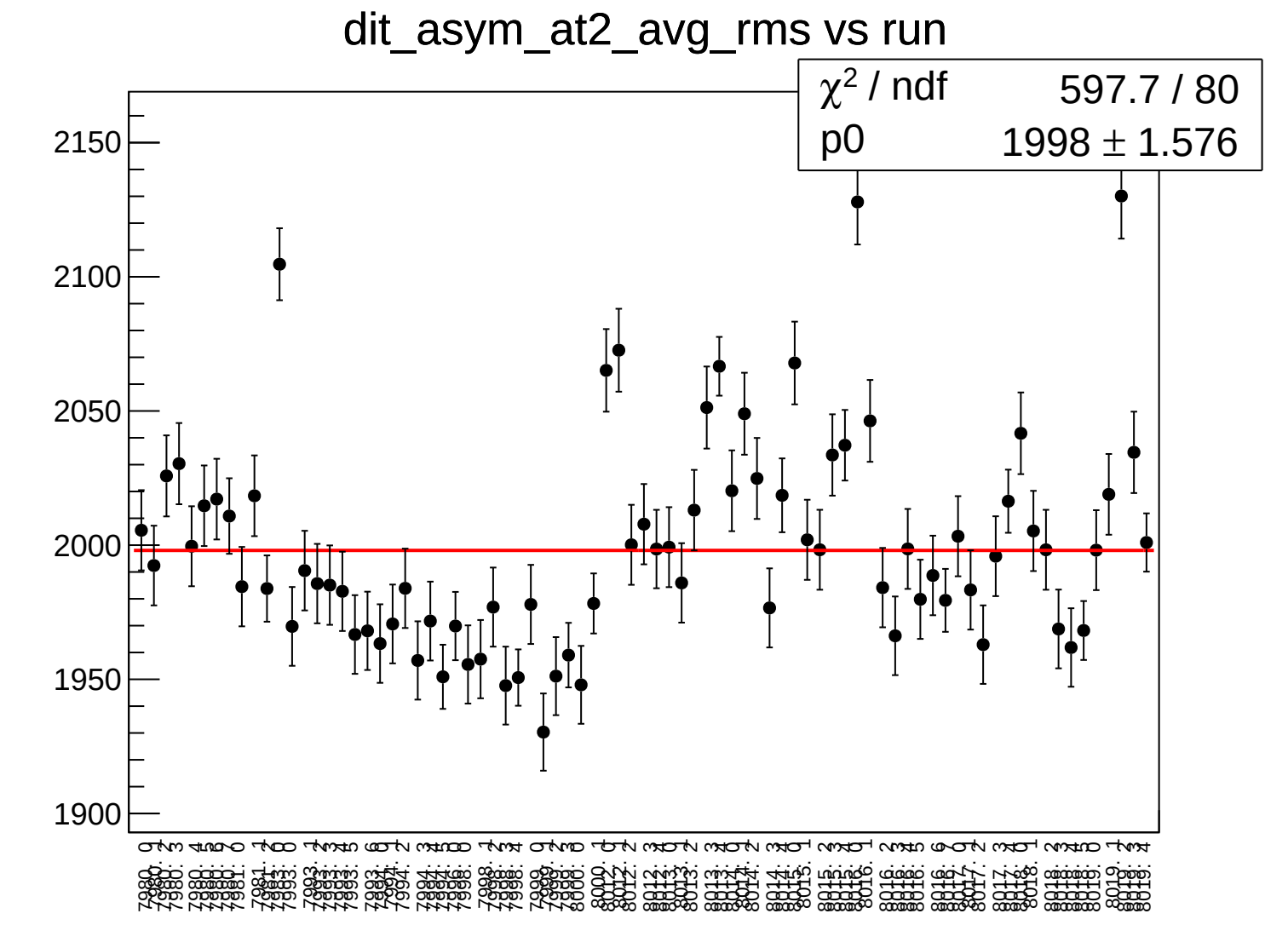

asym_at1_dd_mean vs run
χ² / ndf 82.79 / 80
p0 −1061 ± 2187
pull
Entries 81
Mean −1427
Std Dev 1467

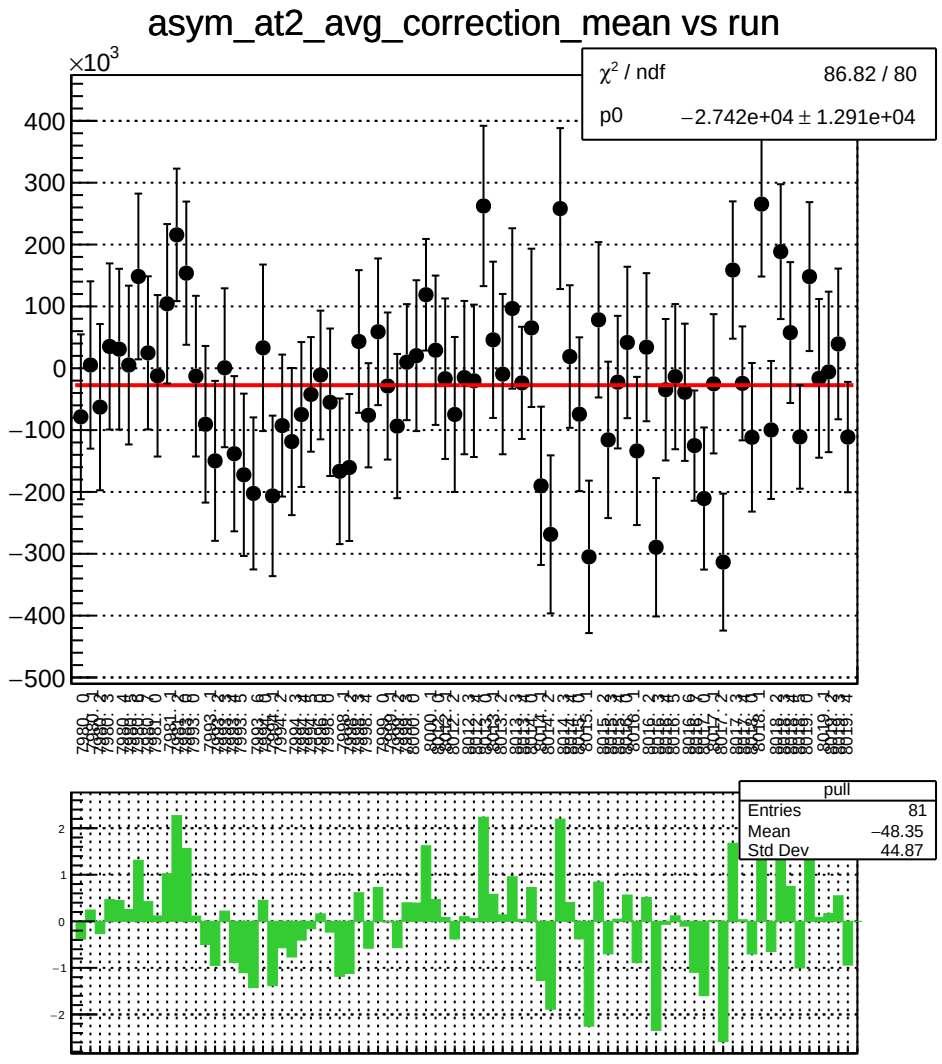

pull1D
Entries 81
Mean −0.001679
Std Dev 1.011

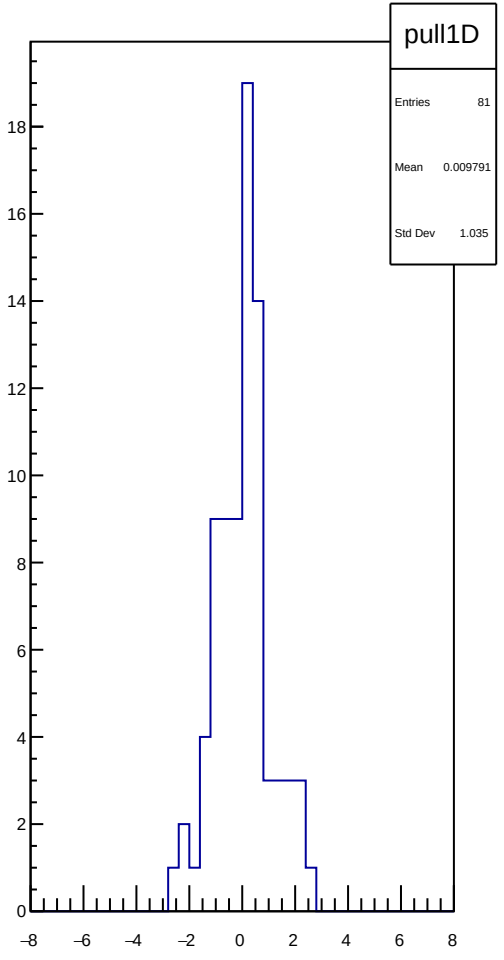

asym_at1_dd_rms vs run
χ² / ndf 2385 / 80
p0 1959 ± 1.546
2100
2050
2000
1950
1900
1850

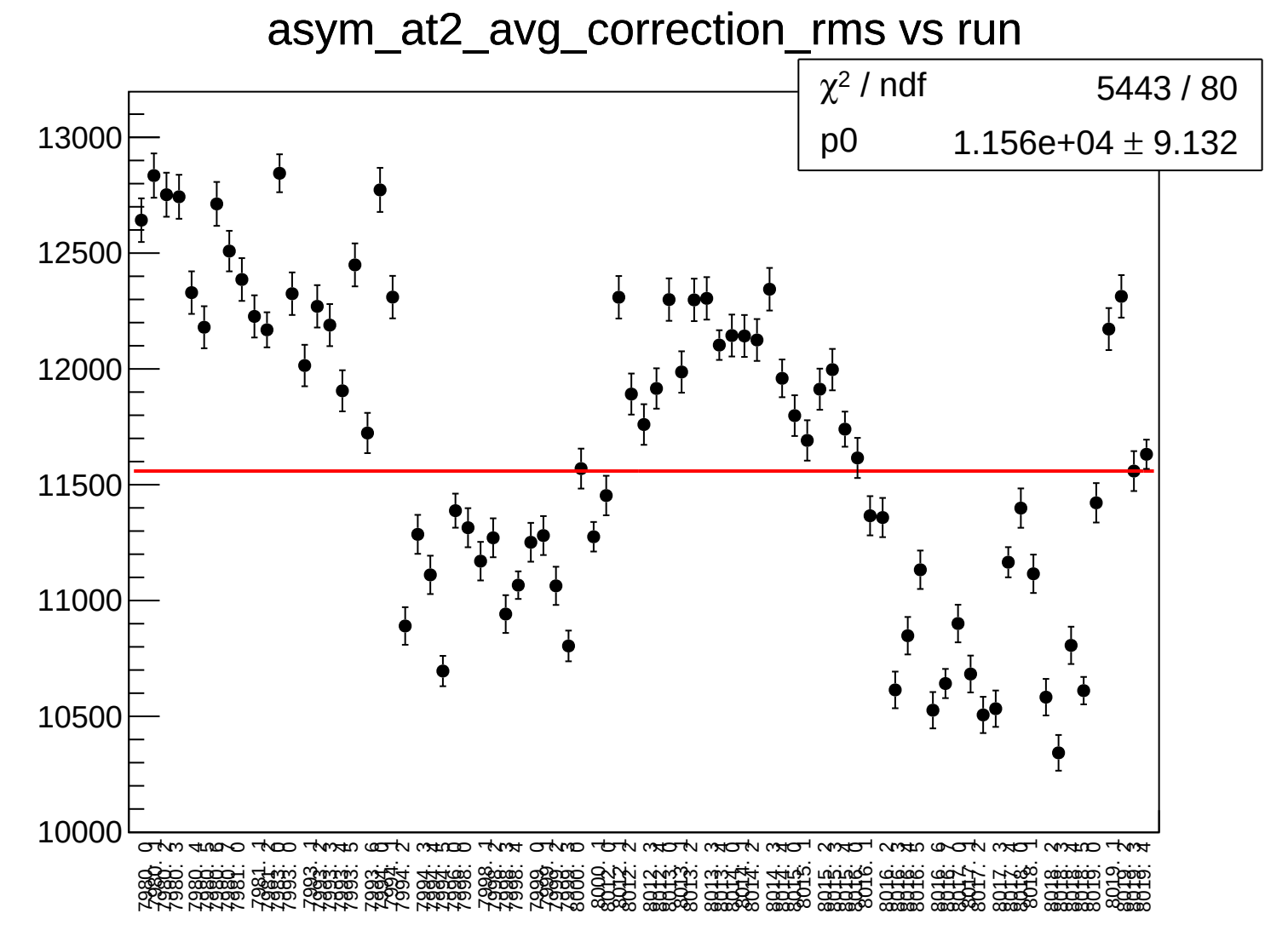

dit_asym_at2_avg_mean vs run
χ² / ndf 77.53 / 80
p0 7909 ± 2229
pull
Entries 81
Mean −216.4
Std Dev 262.2

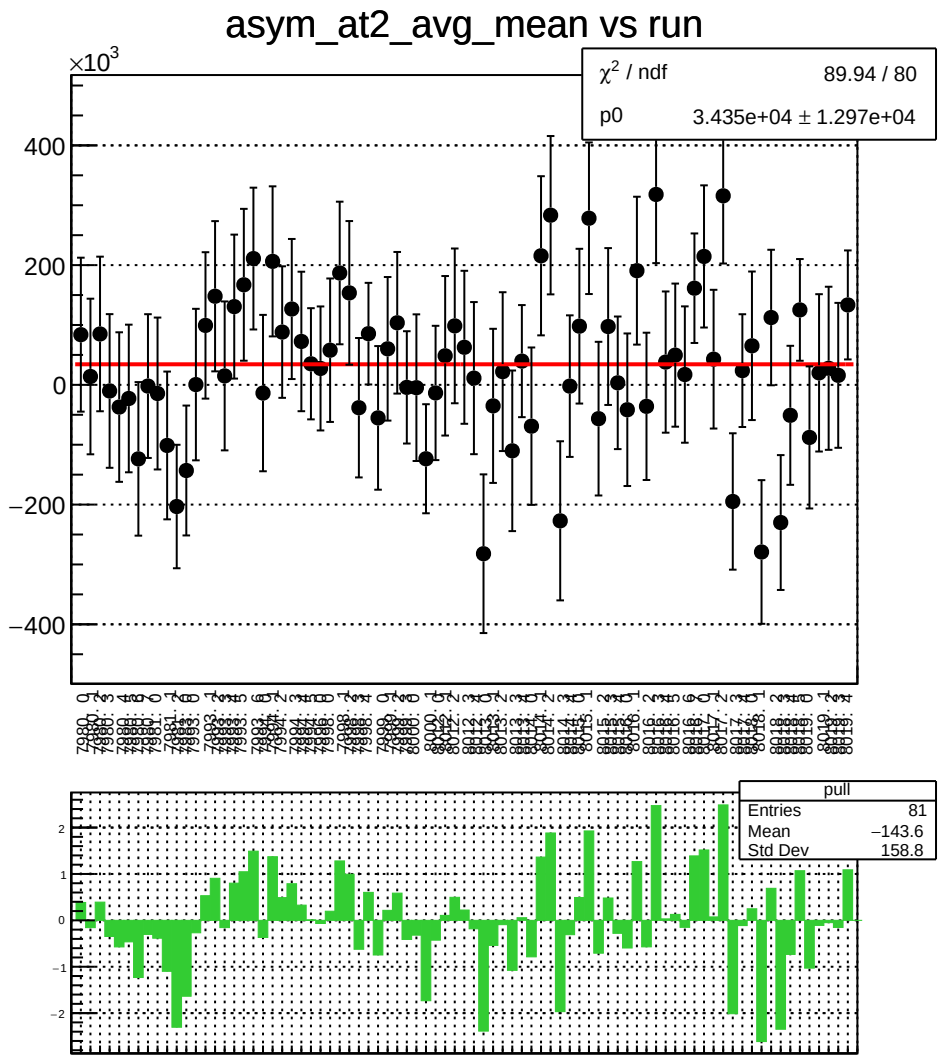

pull1D
Entries 81
Mean −0.005346
Std Dev 0.9783

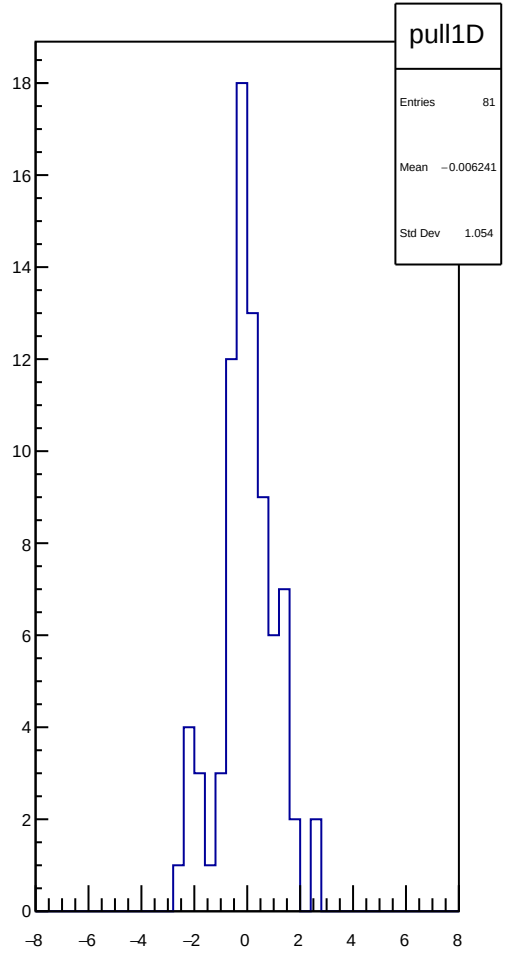

dit_asym_at2_avg_rms vs run
χ² / ndf 597.7 / 80
p0 1998 ± 1.576
2150
2100
2050
2000
1950
1900

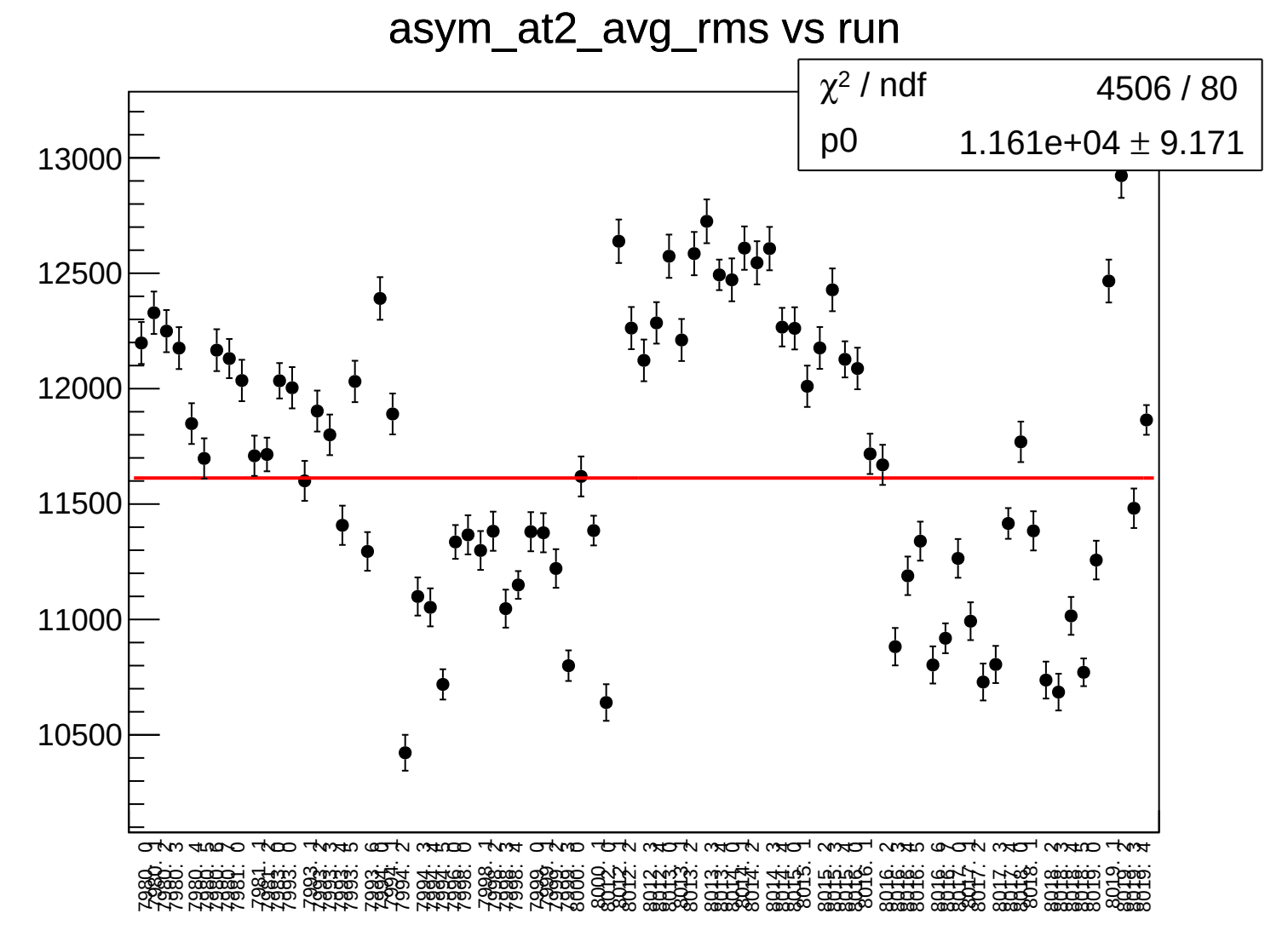

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 86.82 / 80
p0 −2.742e+04 ± 1.291e+04
pull
Entries 81
Mean −48.35
Std Dev 44.87

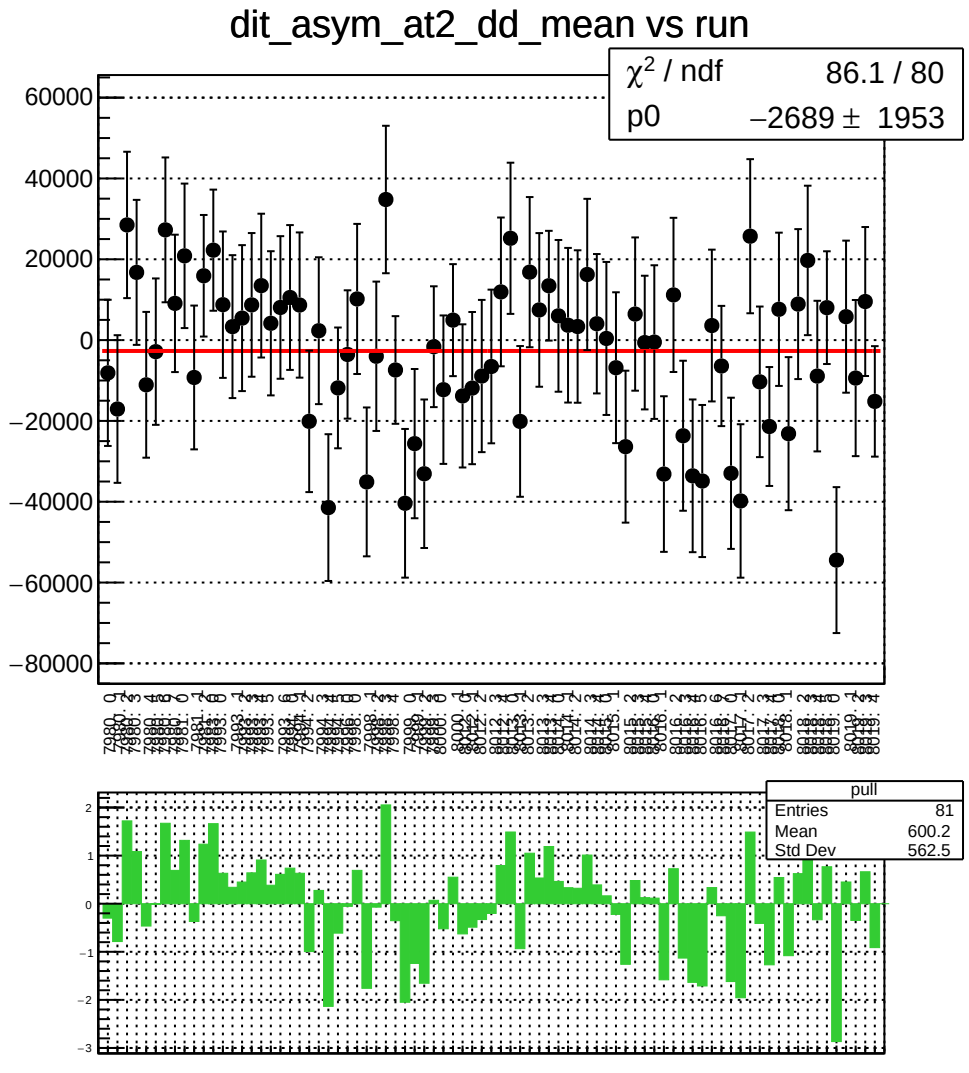

pull1D
Entries 81
Mean 0.009791
Std Dev 1.035

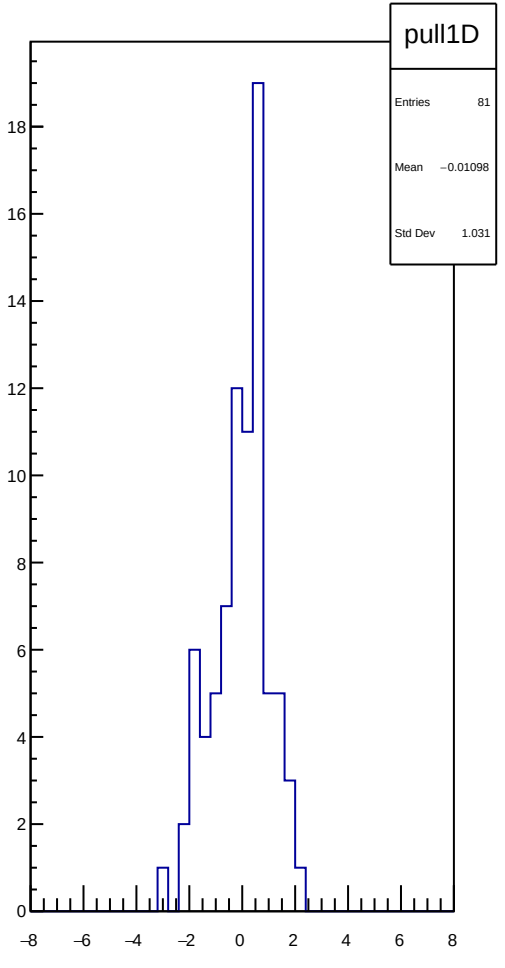

asym_at2_avg_correction_rms vs run
χ² / ndf 5443 / 80
p0 1.156e+04 ± 9.132
13000
12500
12000
11500
11000
10500
10000

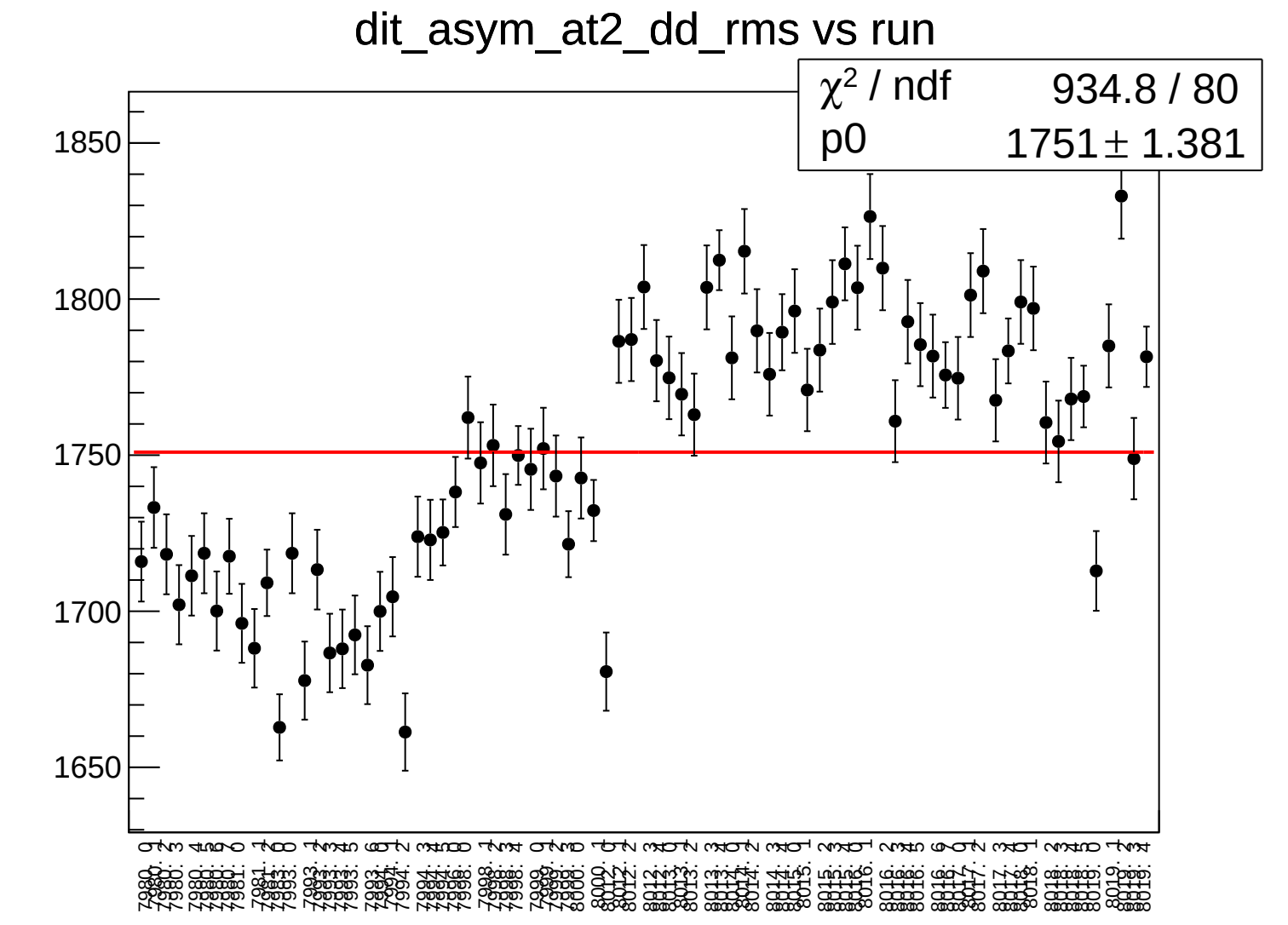

asym_at2_avg_mean vs run
×10^3
χ² / ndf 89.94 / 80
p0 3.435e+04 ± 1.297e+04
400
200
0
−200
−400
pull
Entries 81
Mean −143.6
Std Dev 158.8
2
1
0
−1
−2

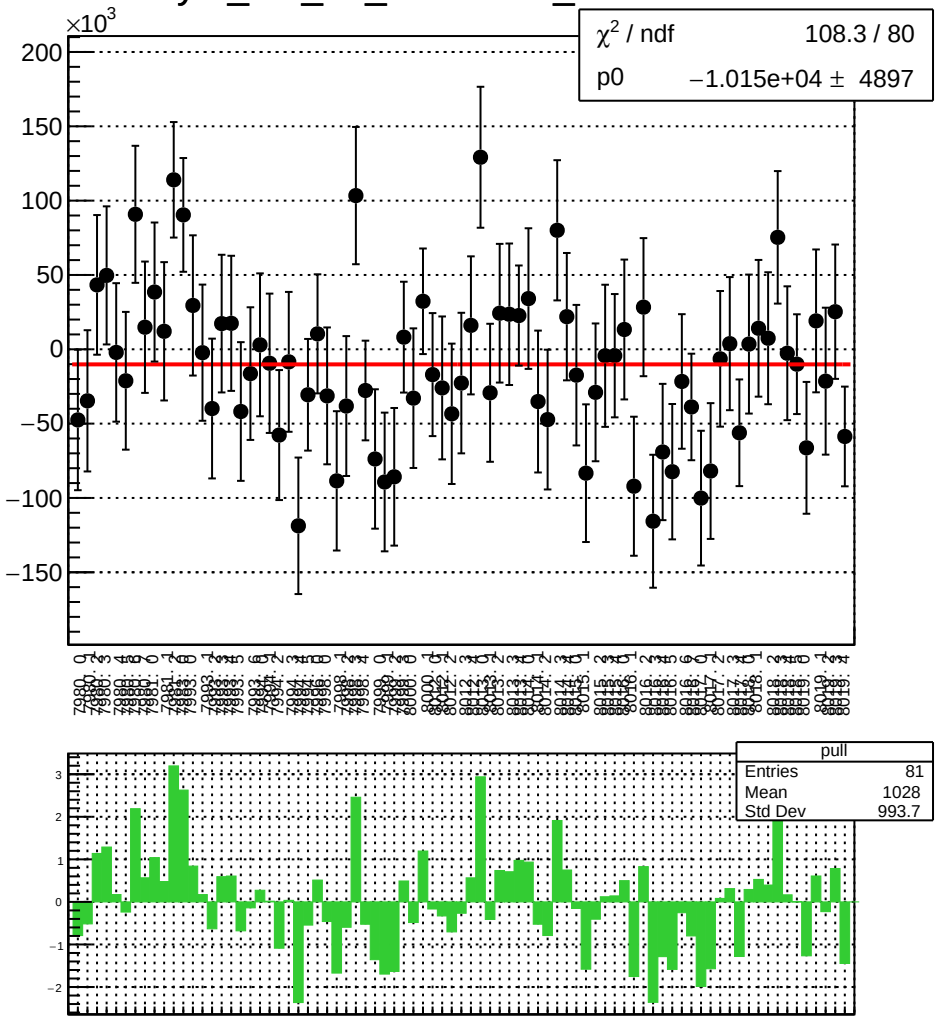

pull1D
Entries 81
Mean −0.006241
Std Dev 1.054
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

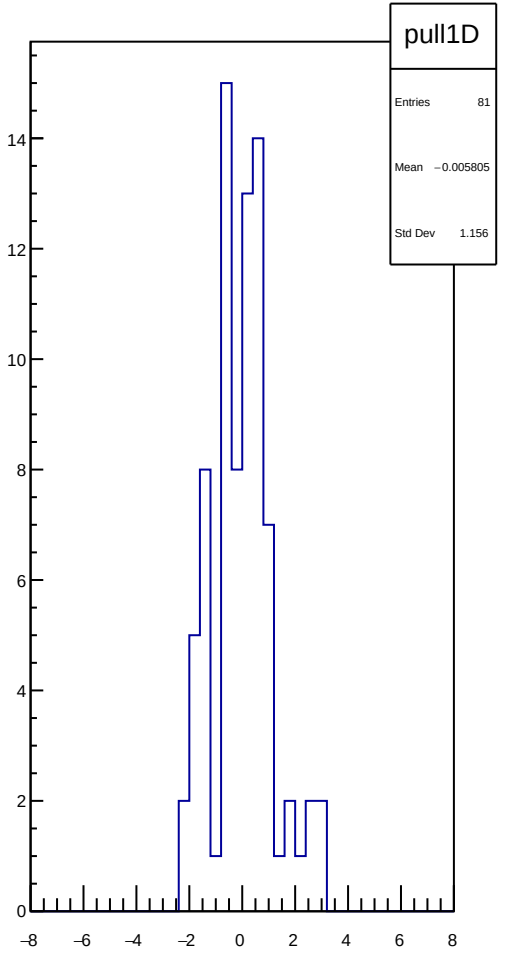

asym_at2_avg_rms vs run
χ² / ndf 4506 / 80
p0 1.161e+04 ± 9.171
13000
12500
12000
11500
11000
10500

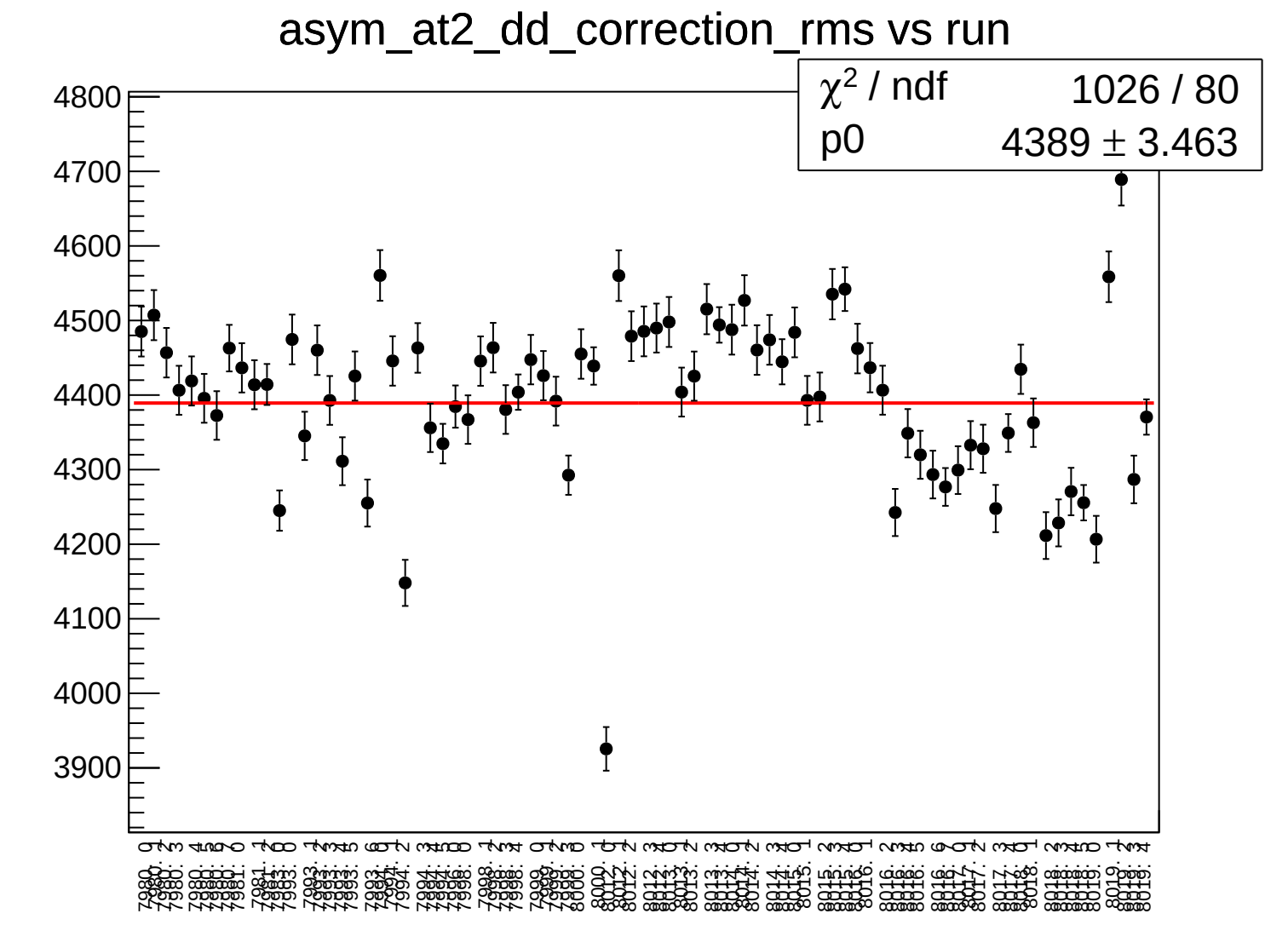

dit_asym_at2_dd_mean vs run
χ² / ndf 86.1 / 80
p0 −2689 ± 1953
pull
Entries 81
Mean 600.2
Std Dev 562.5

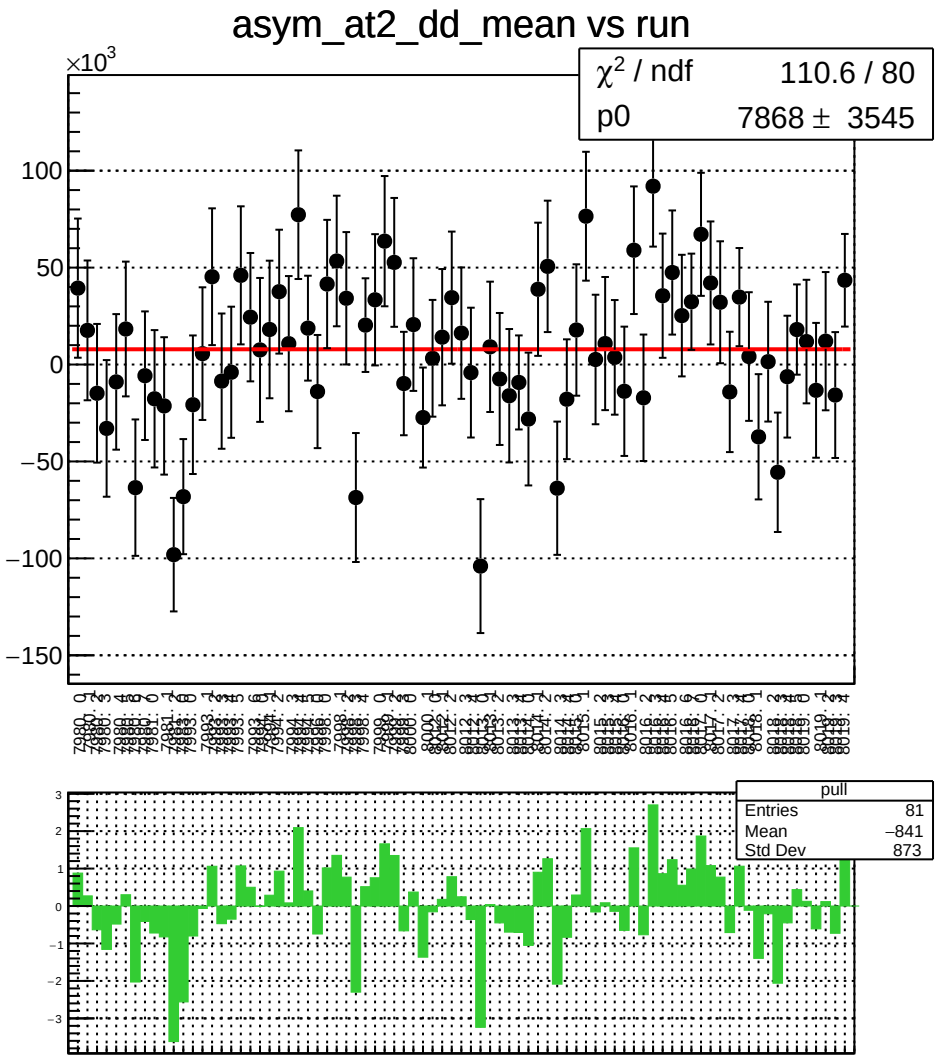

pull1D
Entries 81
Mean −0.01098
Std Dev 1.031

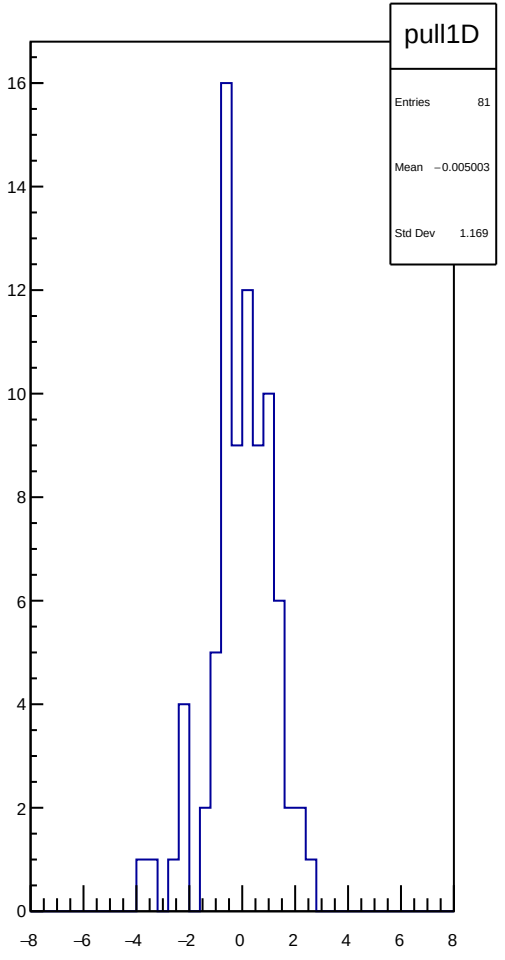

dit_asym_at2_dd_rms vs run
χ² / ndf 934.8 / 80
p0 1751 ± 1.381
1850
1800
1750
1700
1650

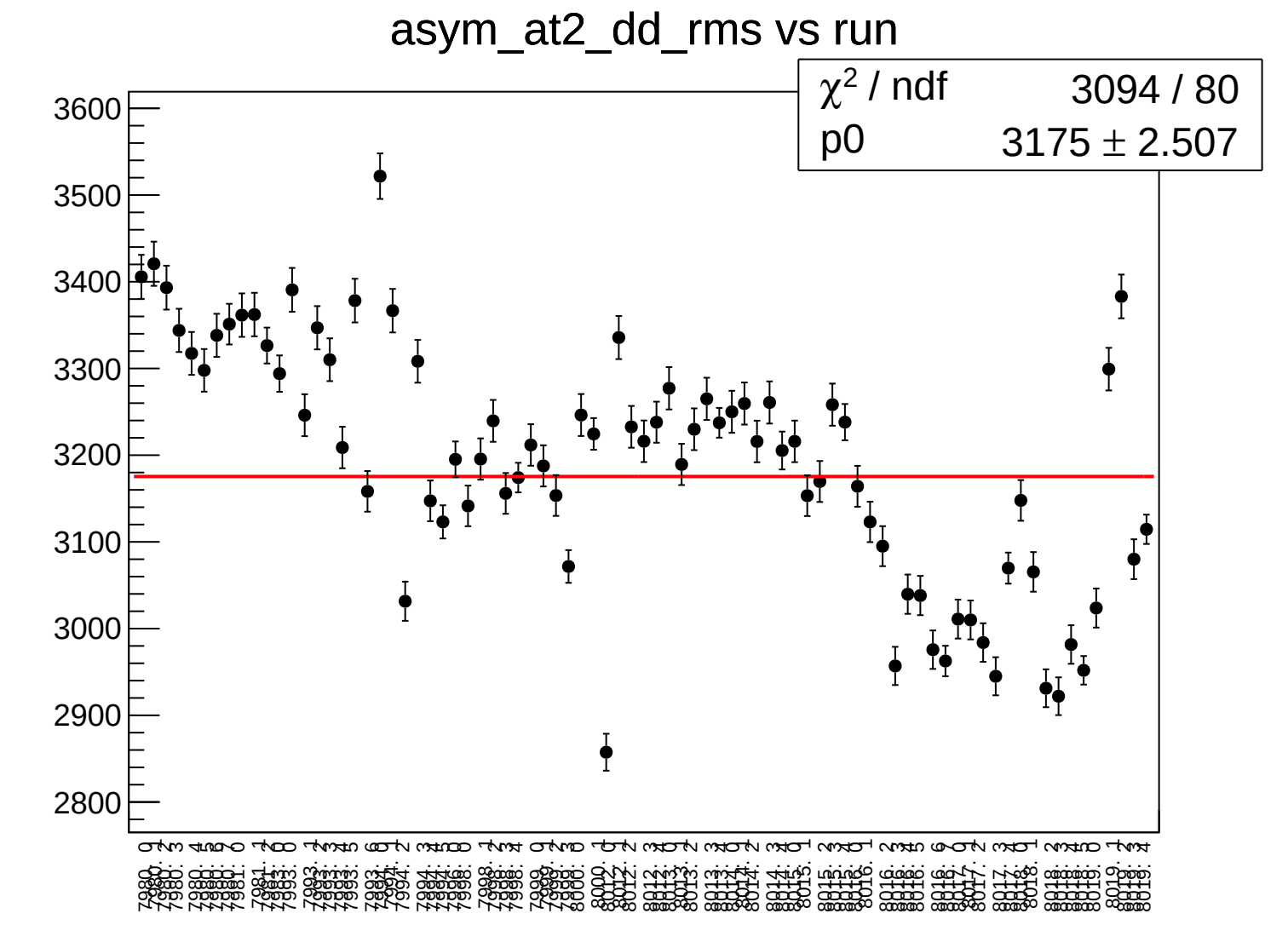

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 108.3 / 80
p0 −1.015e+04 ± 4897
pull
Entries 81
Mean 1028
Std Dev 993.7

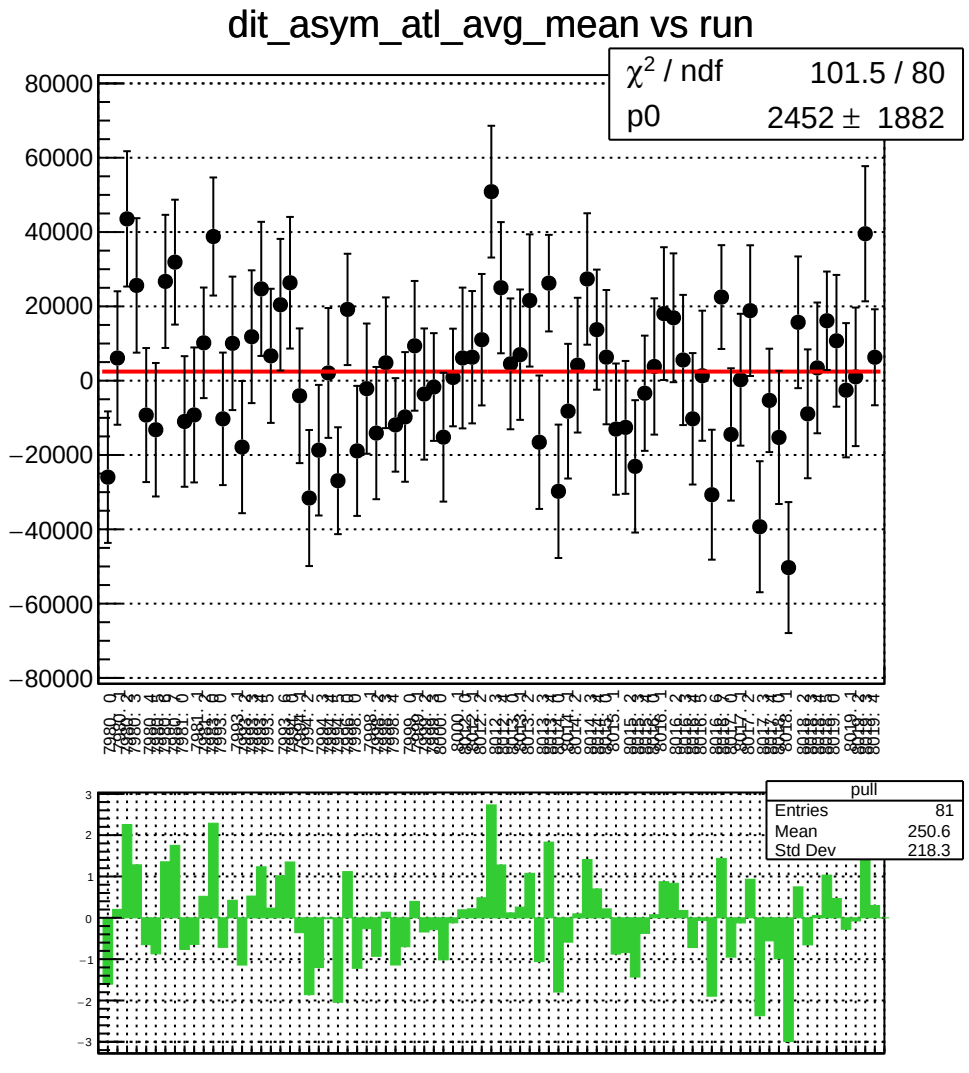

pull1D
Entries 81
Mean −0.005805
Std Dev 1.156

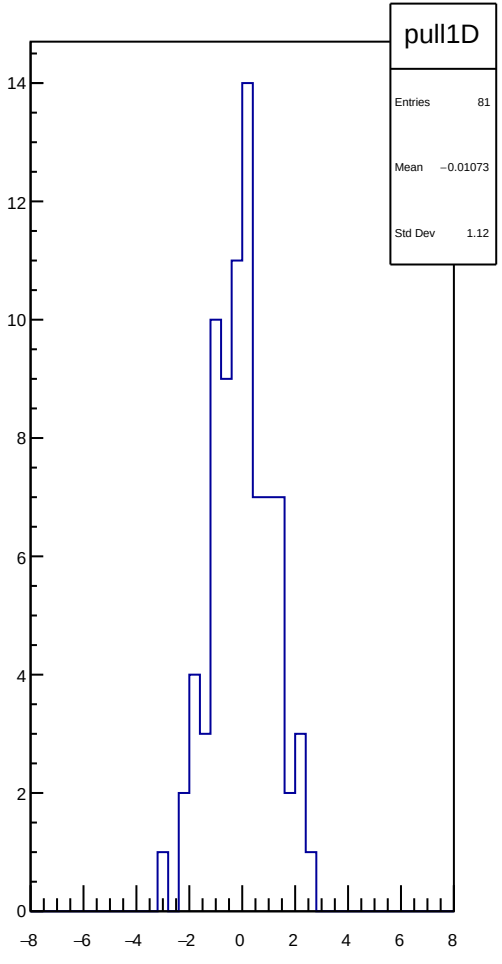

asym_at2_dd_correction_rms vs run
χ² / ndf 1026 / 80
p0 4389 ± 3.463
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900

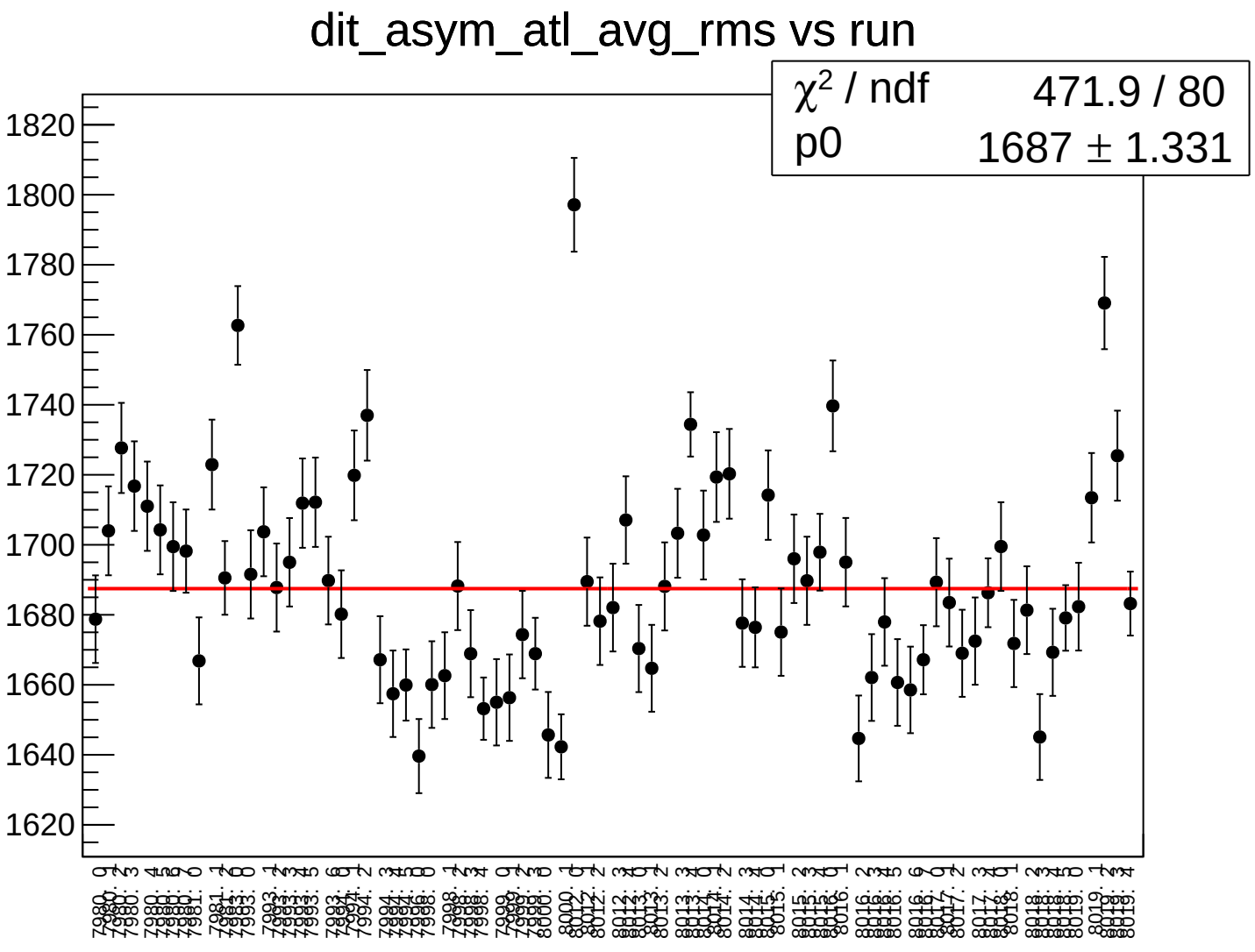

asym_at2_dd_mean vs run
×10^3
χ² / ndf 110.6 / 80
p0 7868 ± 3545
100
50
0
−50
−100
−150
pull
Entries 81
Mean −841
Std Dev 873
3
2
1
0
−1
−2
−3

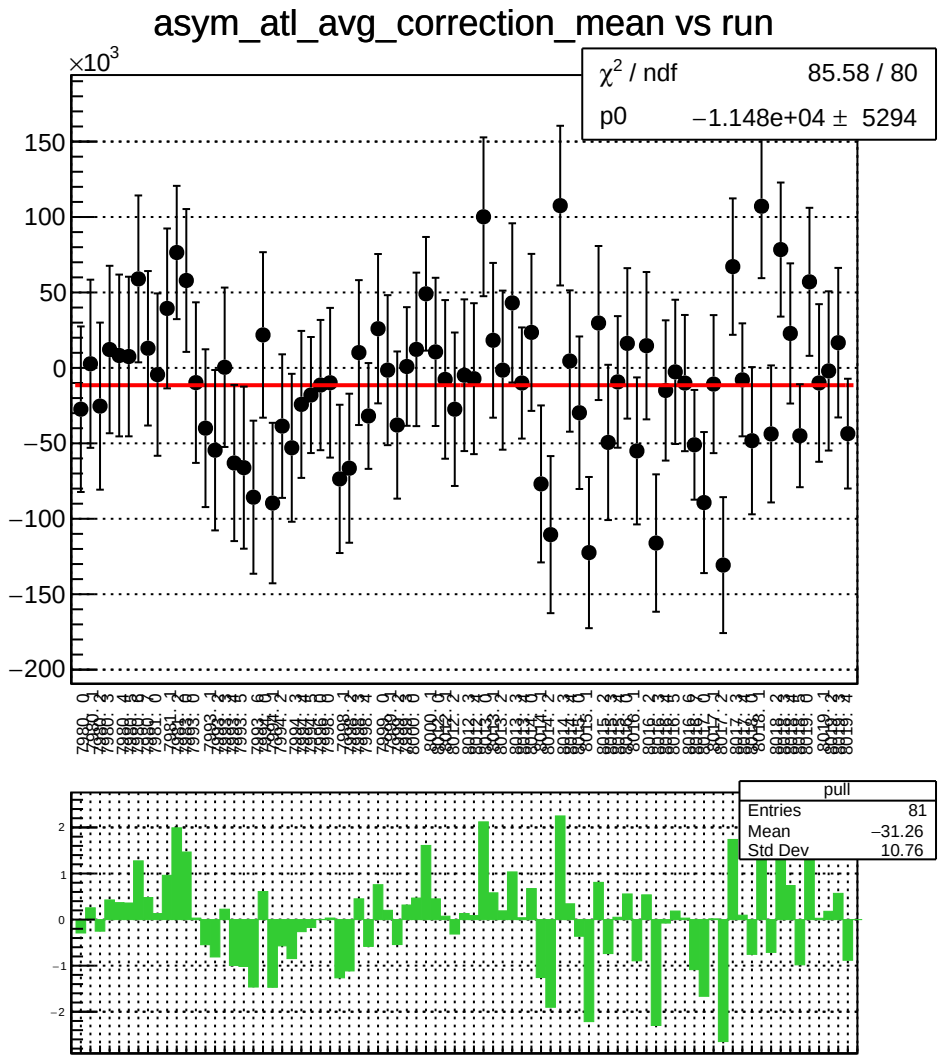

pull1D
Entries 81
Mean −0.005003
Std Dev 1.169
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

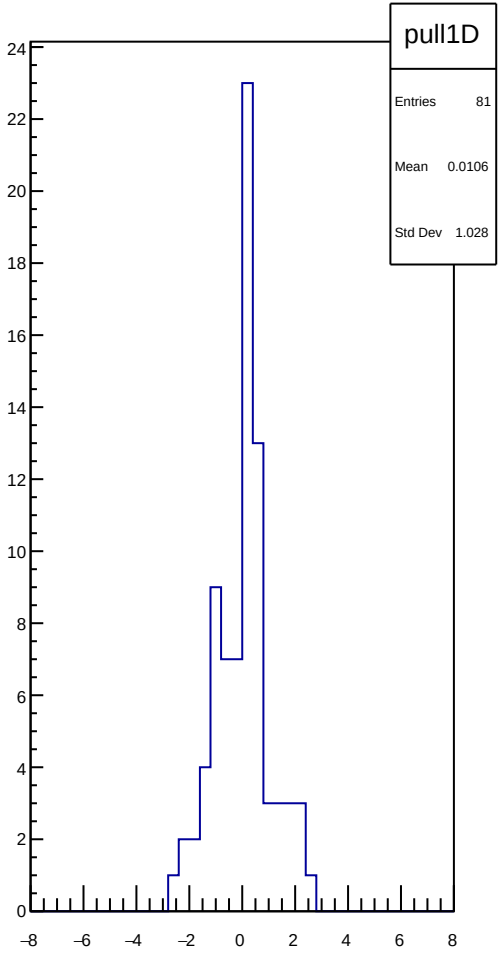

asym_at2_dd_rms vs run
χ² / ndf 3094 / 80
p0 3175 ± 2.507
3600
3500
3400
3300
3200
3100
3000
2900
2800

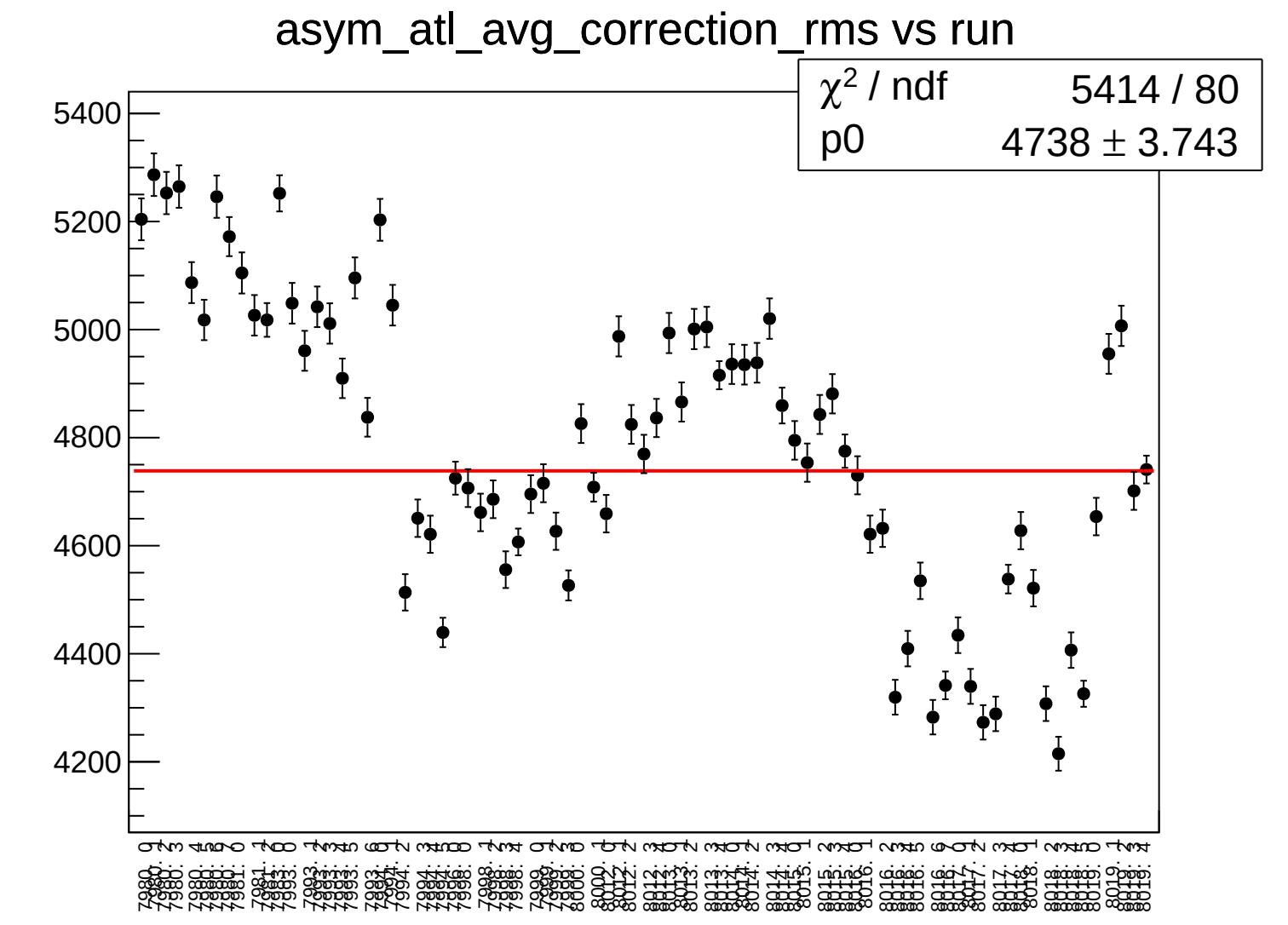

dit_asym_atl_avg_mean vs run
χ² / ndf 101.5 / 80
p0 2452 ± 1882
pull
Entries 81
Mean 250.6
Std Dev 218.3

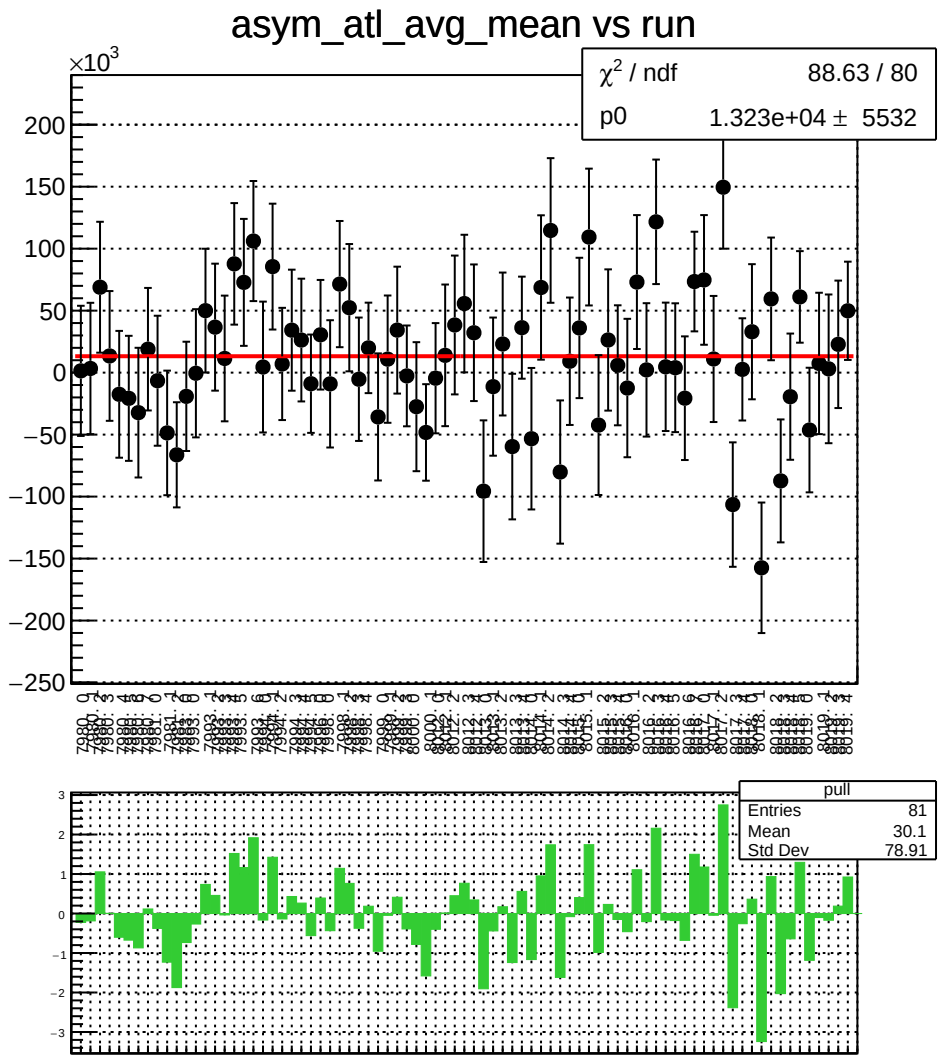

pull1D
Entries 81
Mean −0.01073
Std Dev 1.12

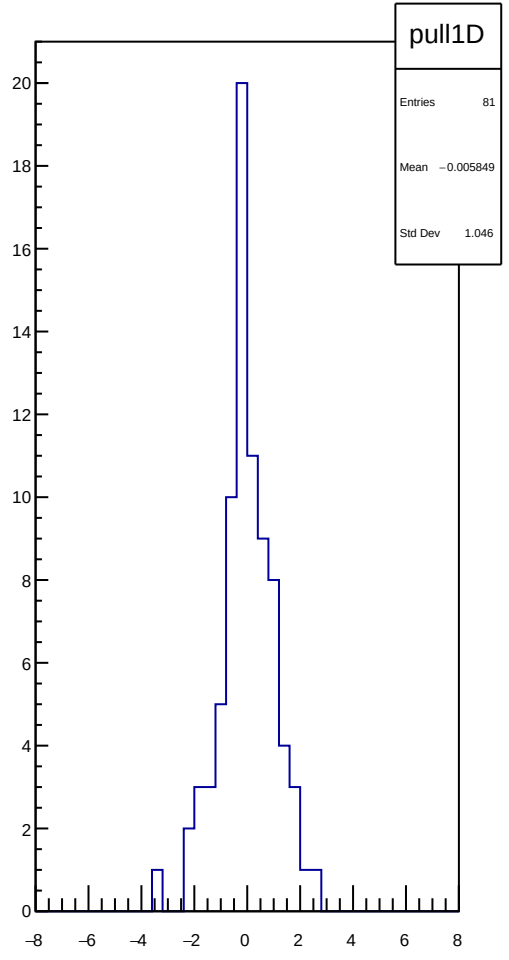

dit_asym_atl_avg_rms vs run
χ² / ndf 471.9 / 80
p0 1687 ± 1.331
1820
1800
1780
1760
1740
1720
1700
1680
1660
1640
1620

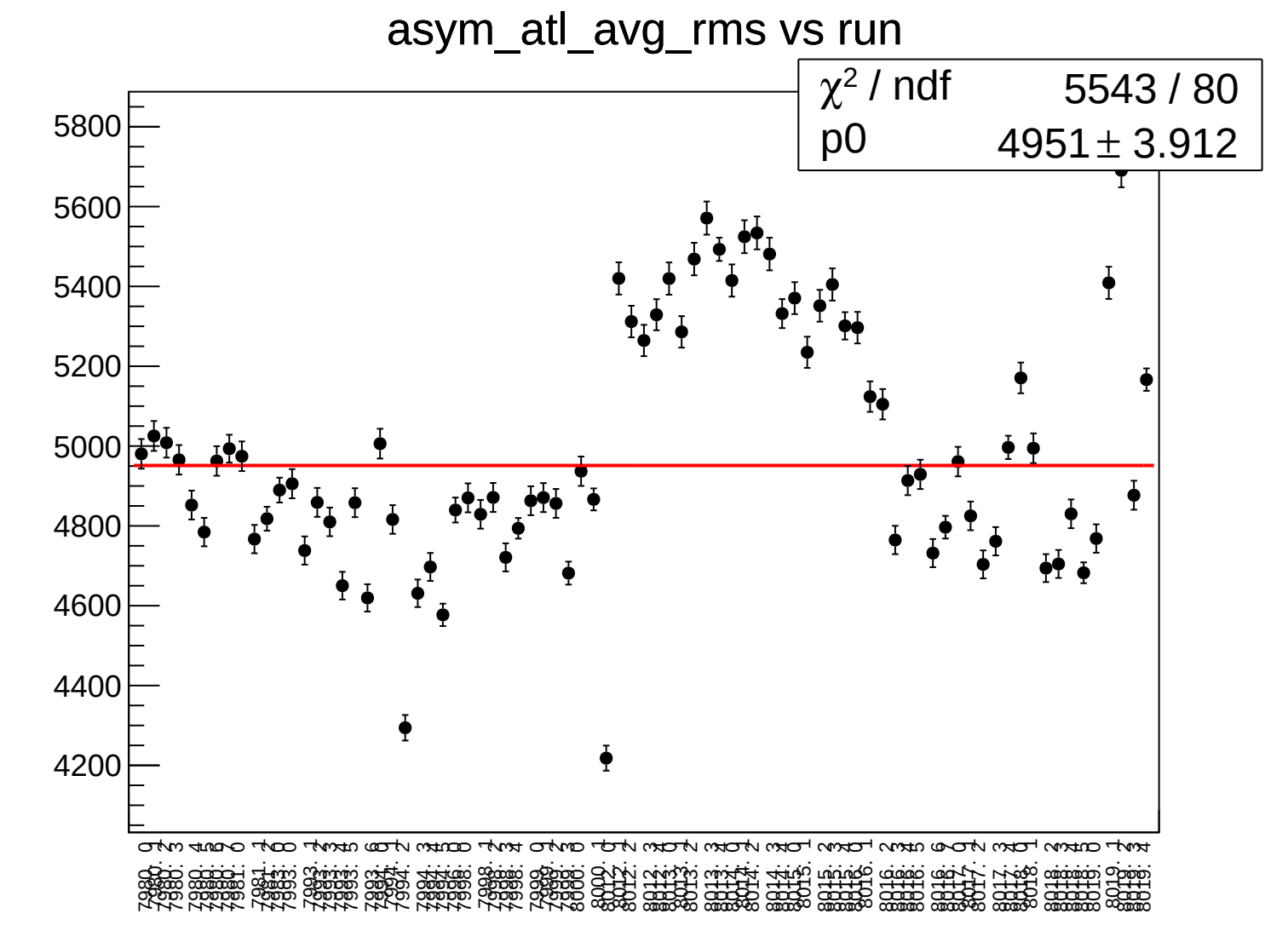

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 85.58 / 80
p0 −1.148e+04 ± 5294
pull
Entries 81
Mean −31.26
Std Dev 10.76

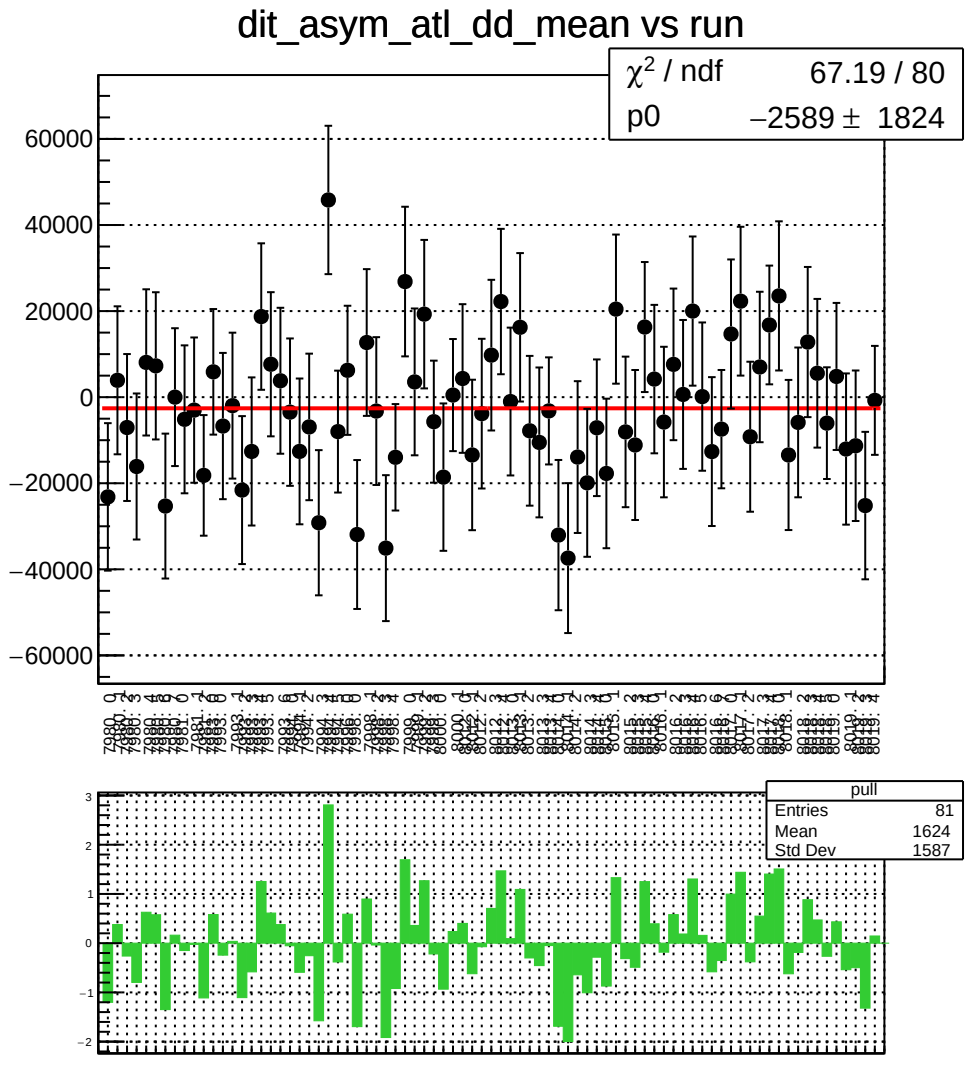

pull1D
Entries 81
Mean 0.0106
Std Dev 1.028

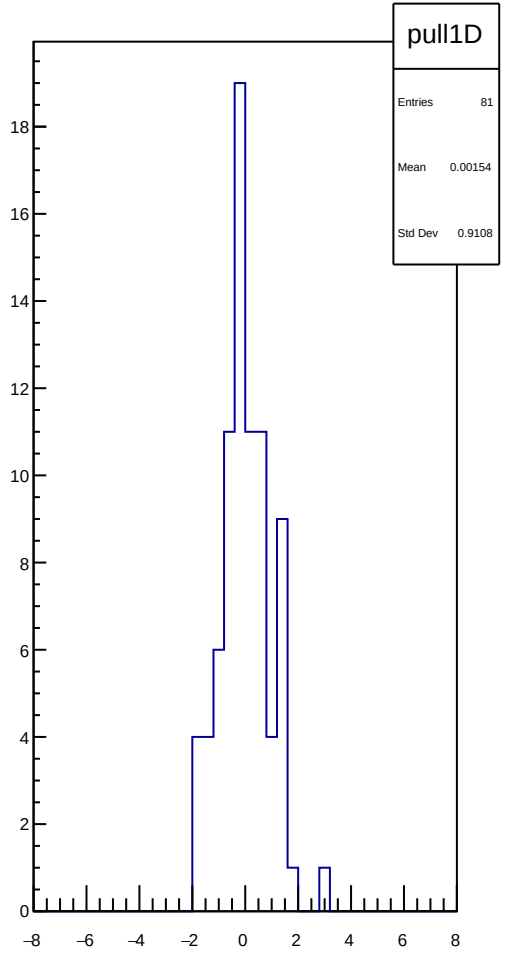

asym_atl_avg_correction_rms vs run
χ² / ndf 5414 / 80
p0 4738 ± 3.743
5400
5200
5000
4800
4600
4400
4200

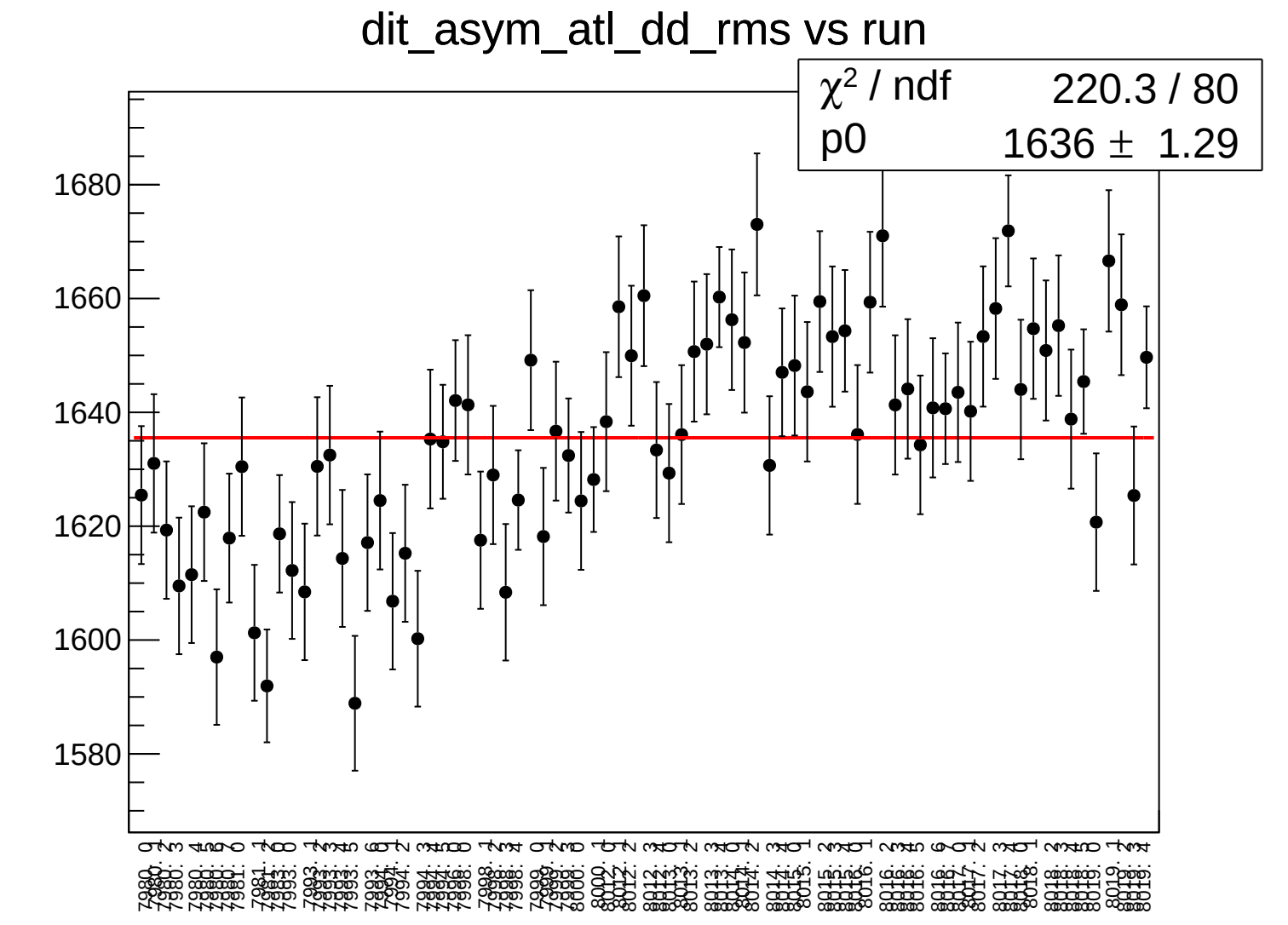

asym_atl_avg_mean vs run
×10^3
χ² / ndf 88.63 / 80
p0 1.323e+04 ± 5532
pull
Entries 81
Mean 30.1
Std Dev 78.91

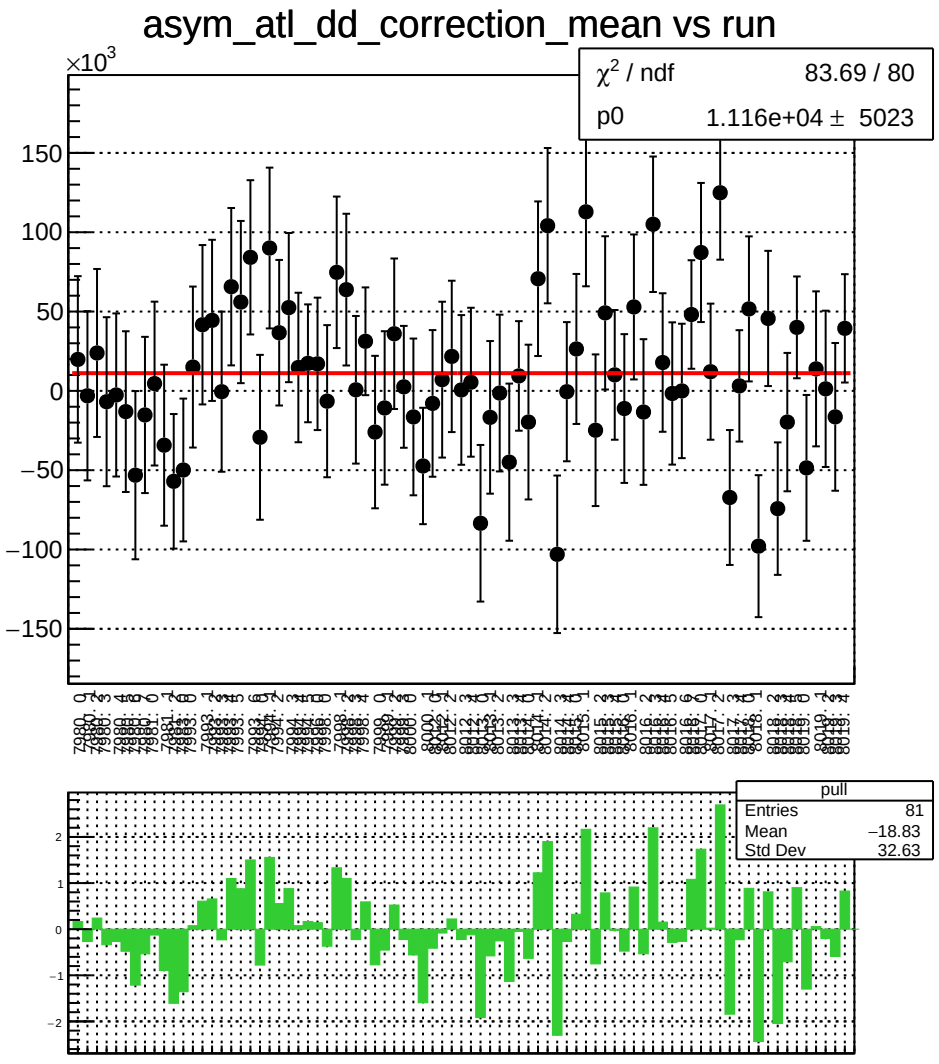

pull1D
Entries 81
Mean −0.005849
Std Dev 1.046

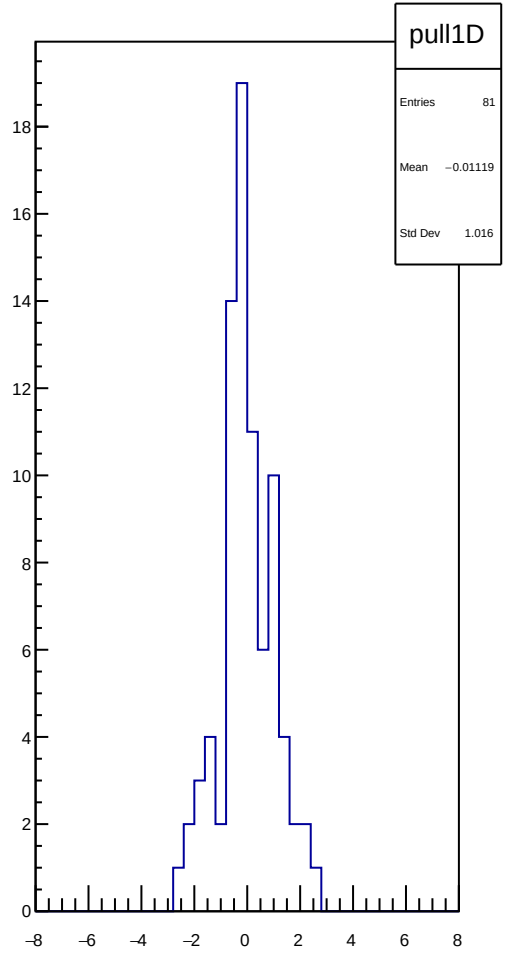

asym_atl_avg_rms vs run
χ² / ndf 5543 / 80
p0 4951 ± 3.912
5800
5600
5400
5200
5000
4800
4600
4400
4200

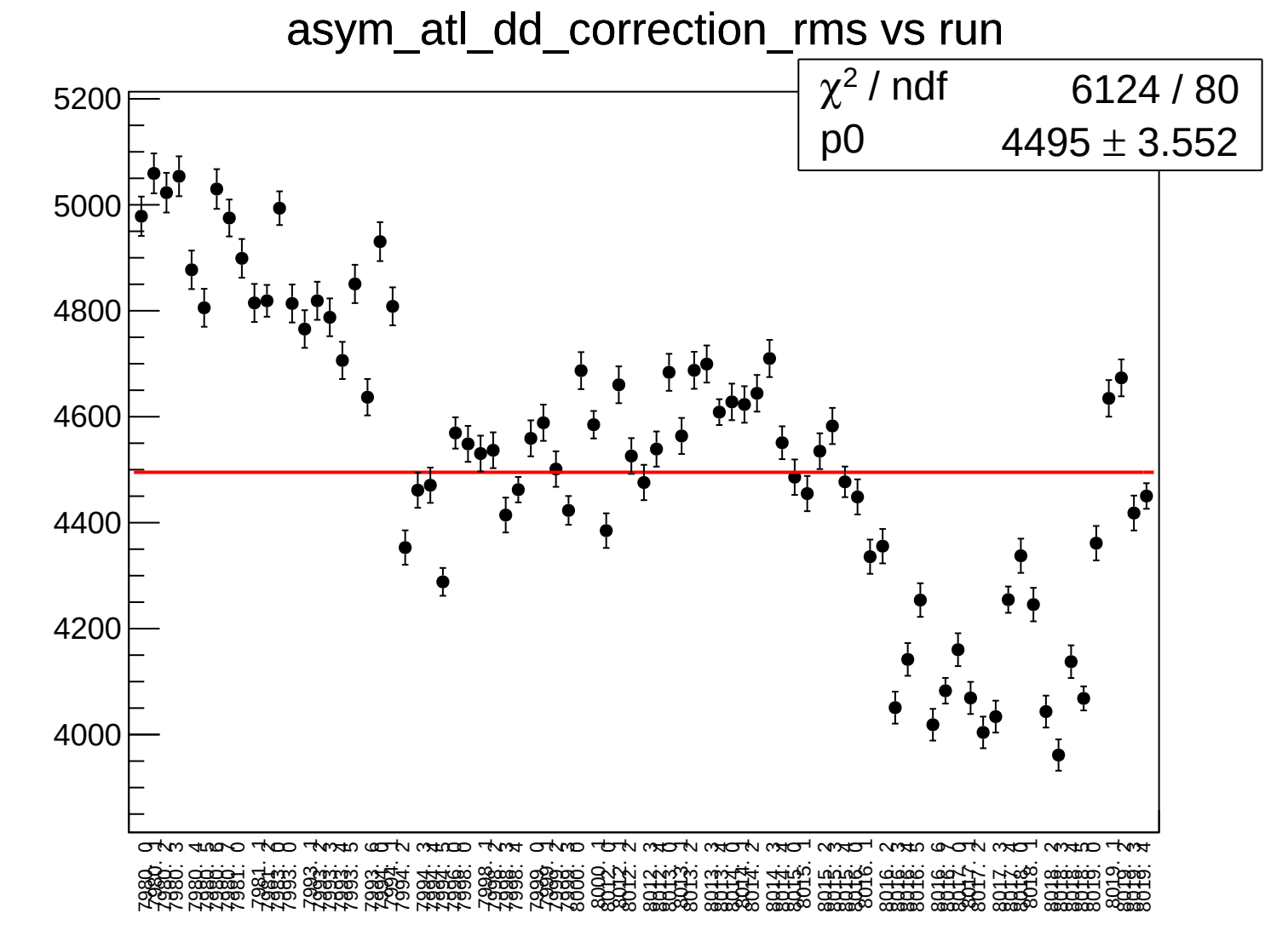

dit_asym_atl_dd_mean vs run
χ² / ndf 67.19 / 80
p0 −2589 ± 1824
pull
Entries 81
Mean 1624
Std Dev 1587

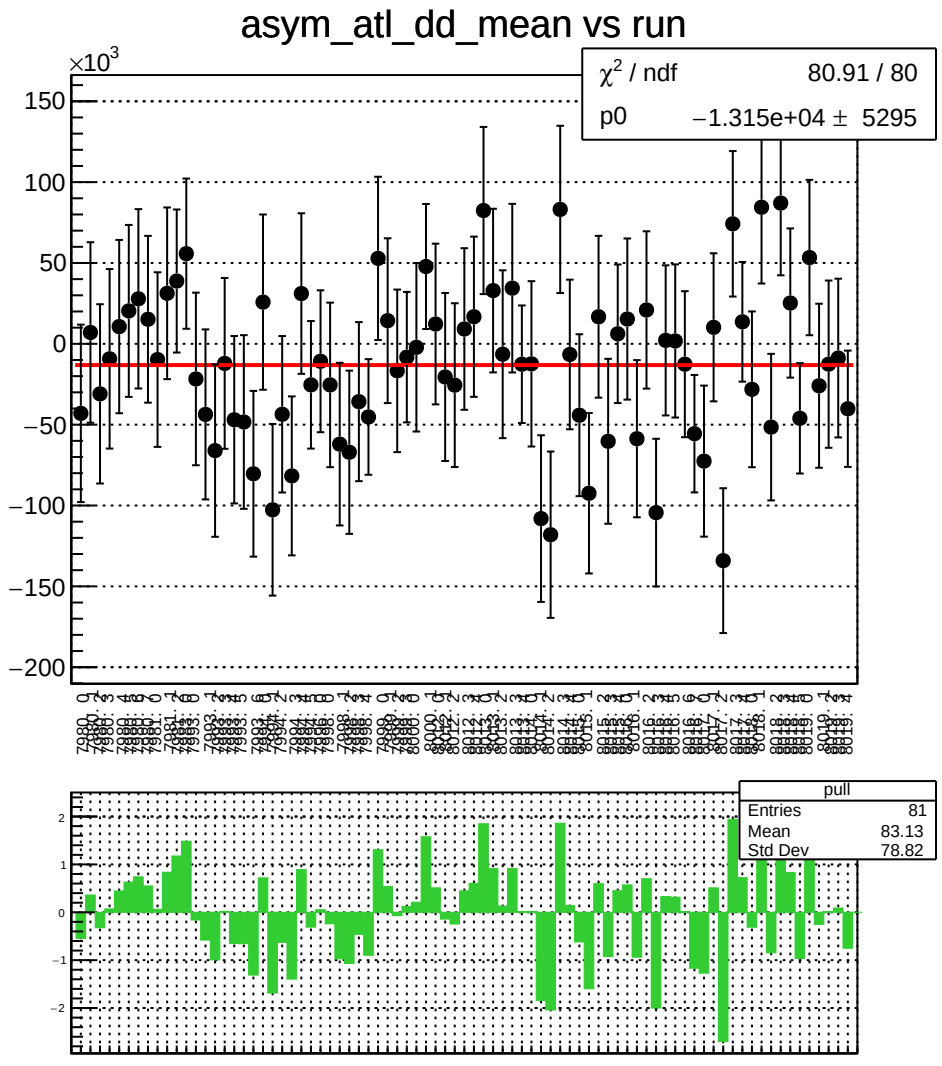

pull1D
Entries 81
Mean 0.00154
Std Dev 0.9108

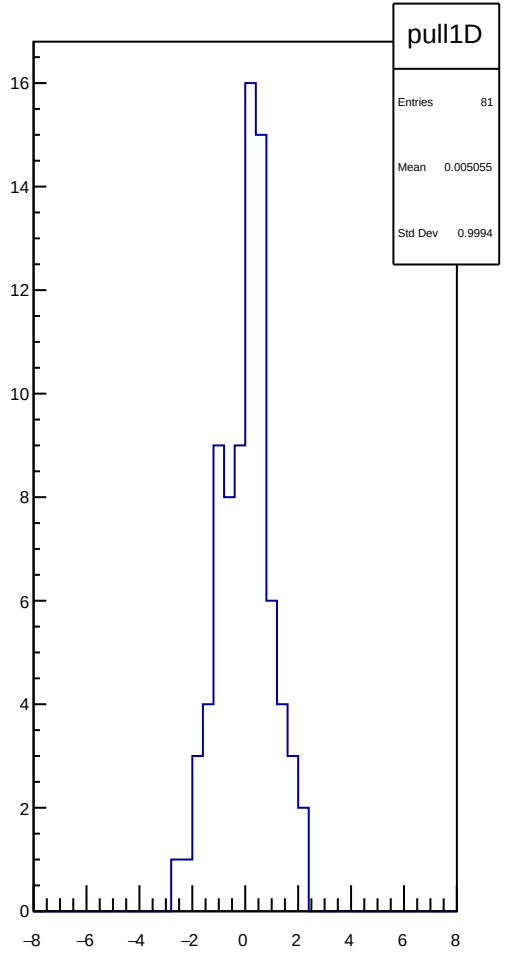

dit_asym_atl_dd_rms vs run
χ² / ndf 220.3 / 80
p0 1636 ± 1.29
1680
1660
1640
1620
1600
1580

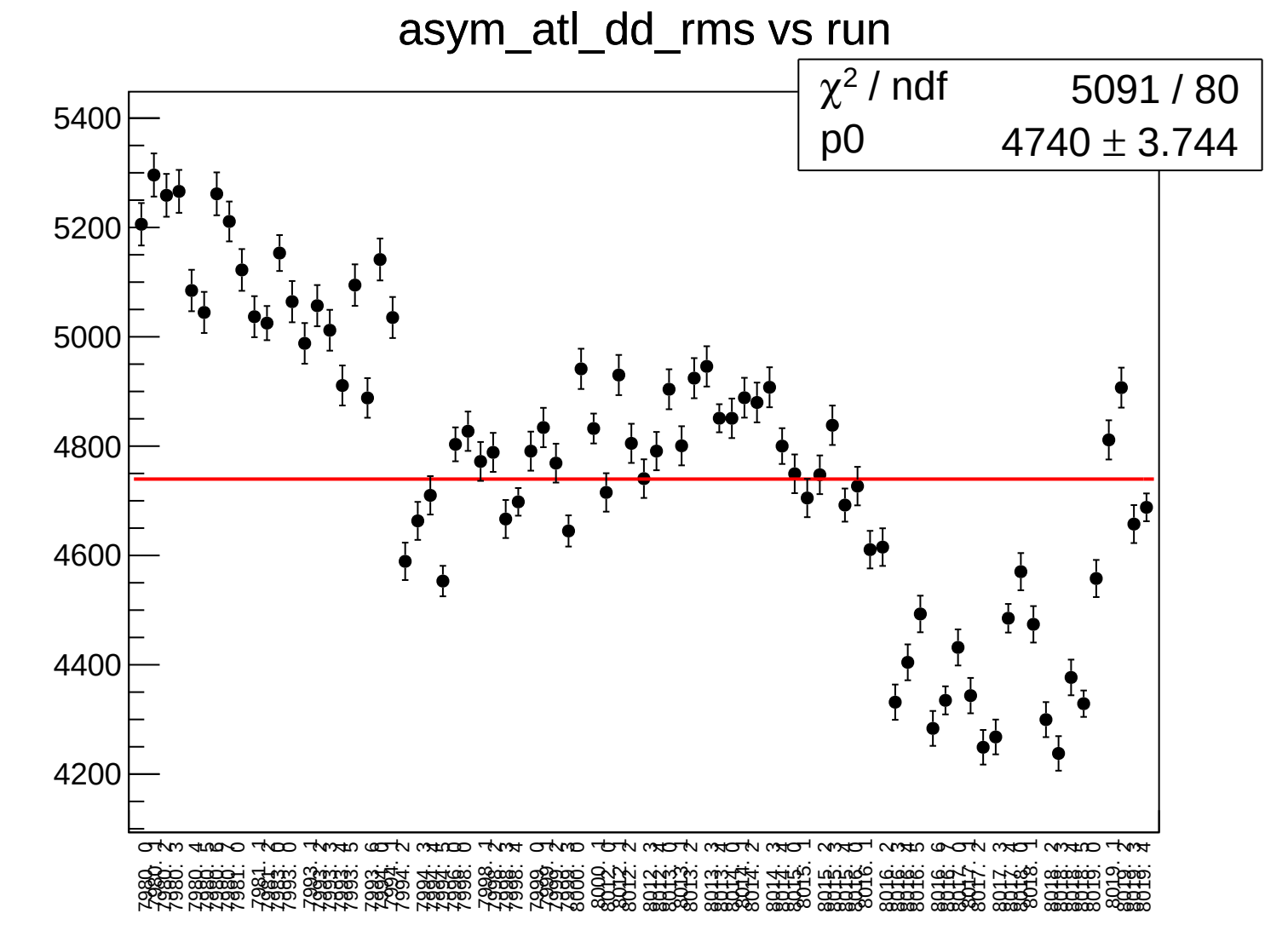

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 83.69 / 80
p0 1.116e+04 ± 5023
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −18.83
Std Dev 32.63
2
1
0
−1
−2

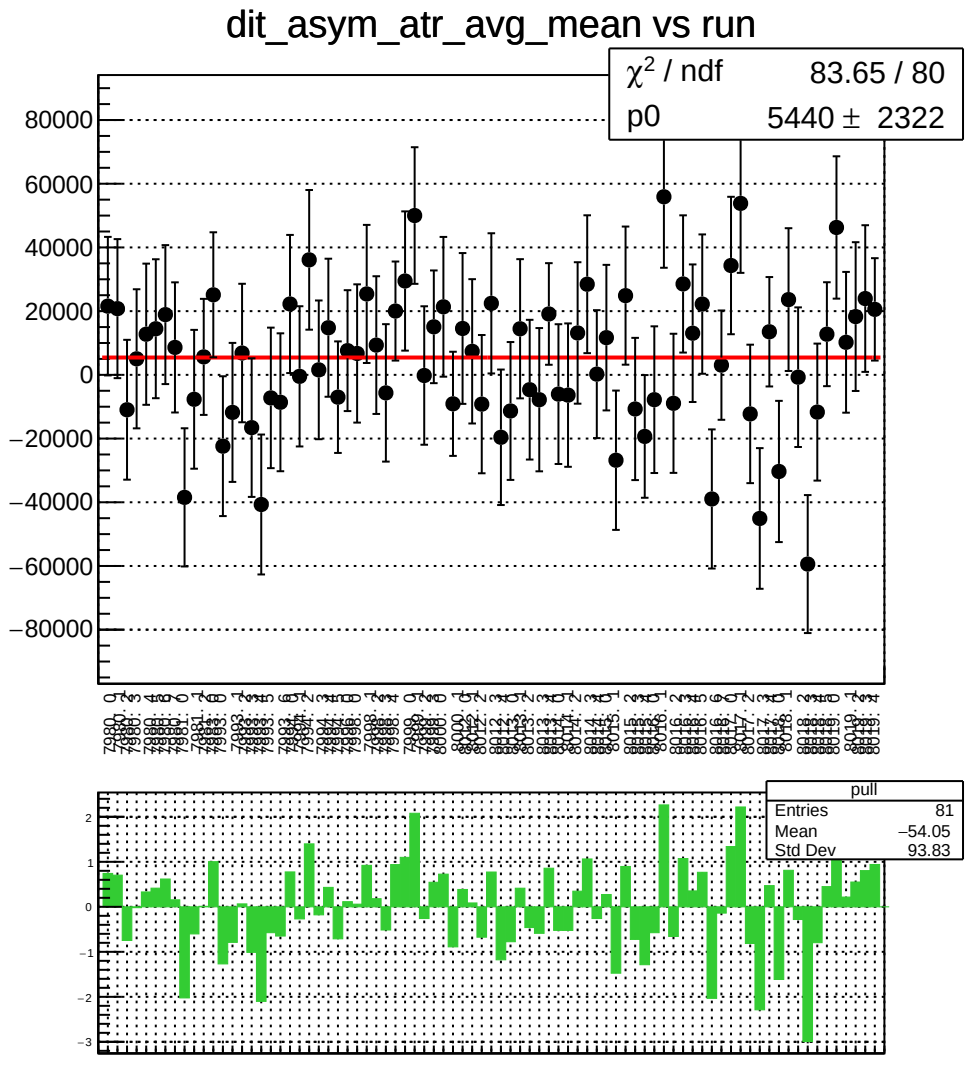

pull1D
Entries 81
Mean −0.01119
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

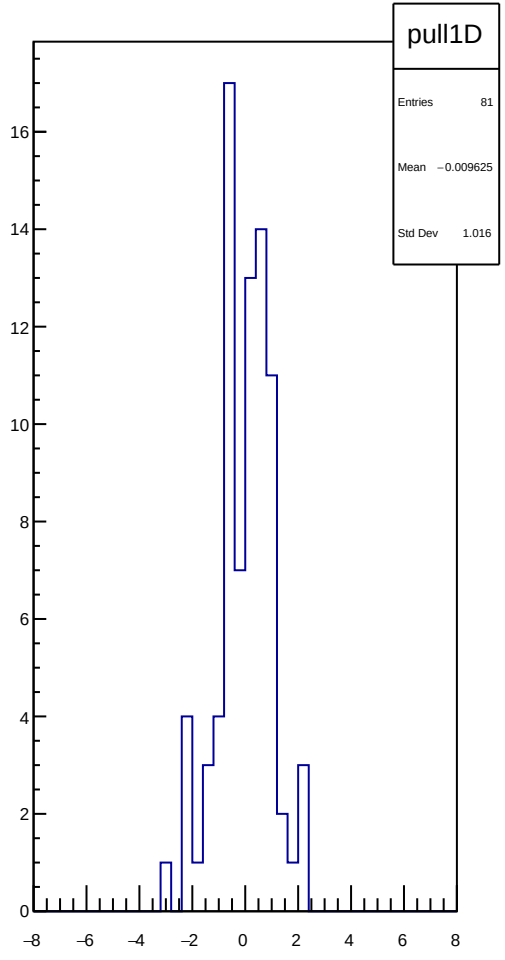

asym_atl_dd_correction_rms vs run
χ² / ndf 6124 / 80
p0 4495 ± 3.552
5200
5000
4800
4600
4400
4200
4000

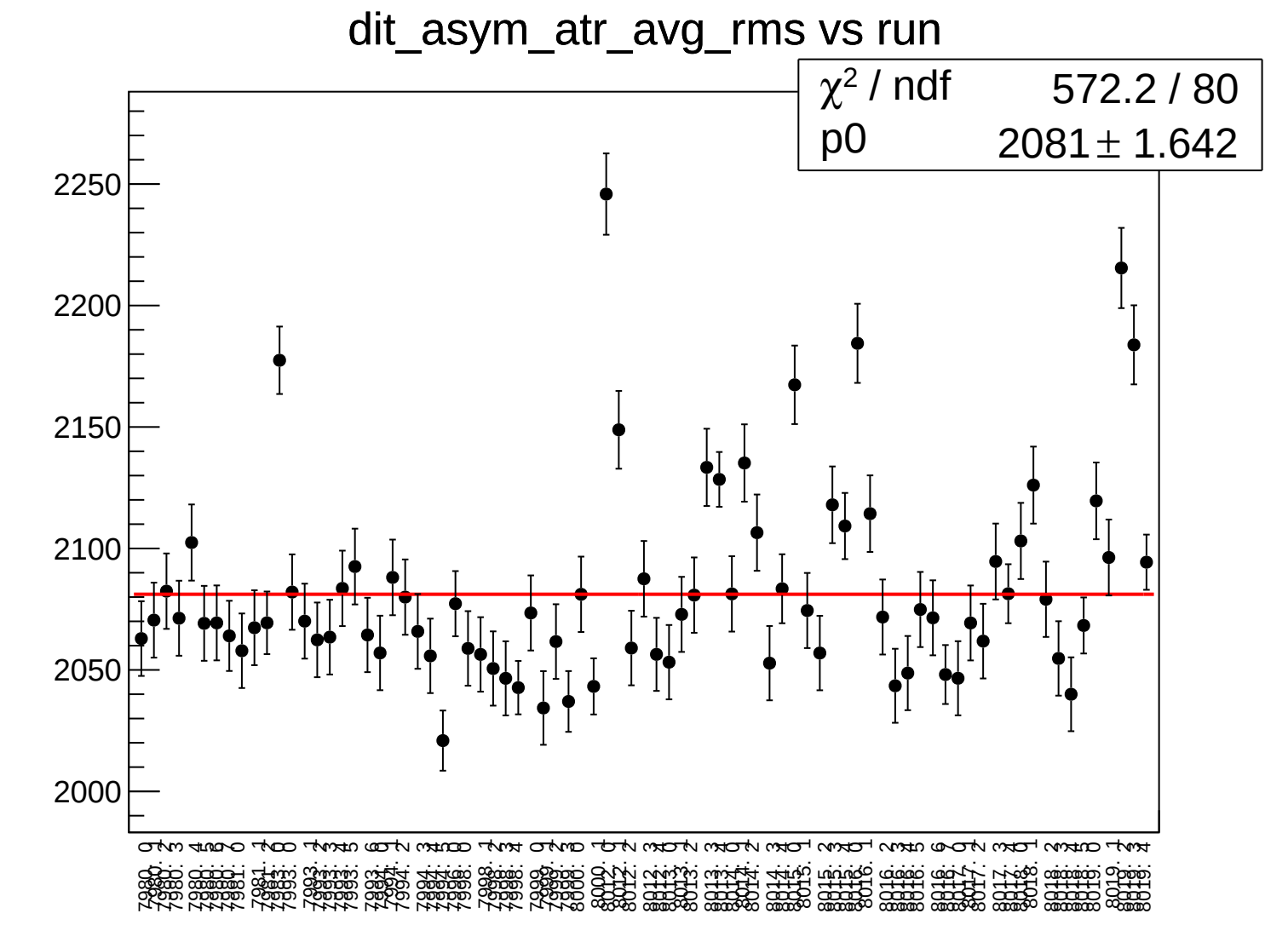

asym_atl_dd_mean vs run
×10^3
χ² / ndf 80.91 / 80
p0 −1.315e+04 ± 5295
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean 83.13
Std Dev 78.82
2
1
0
−1
−2

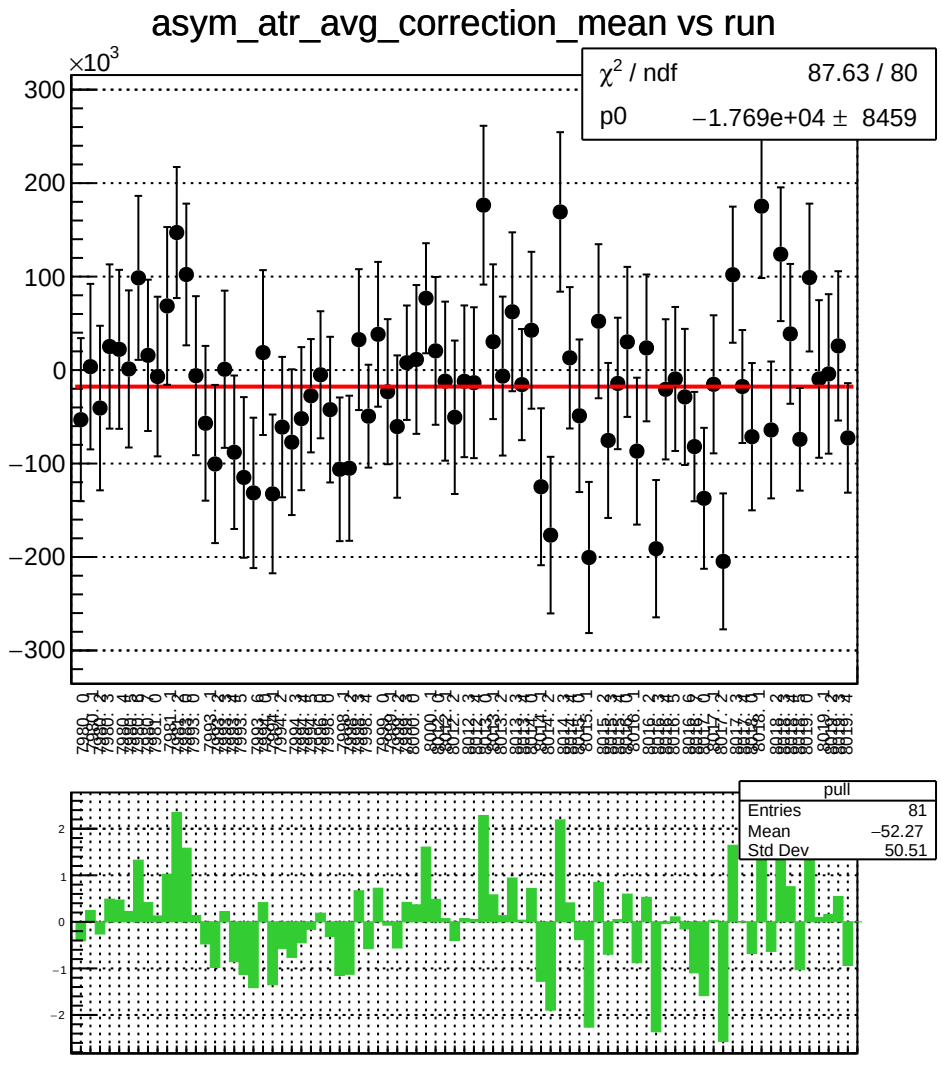

pull1D
Entries 81
Mean 0.005055
Std Dev 0.9994
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

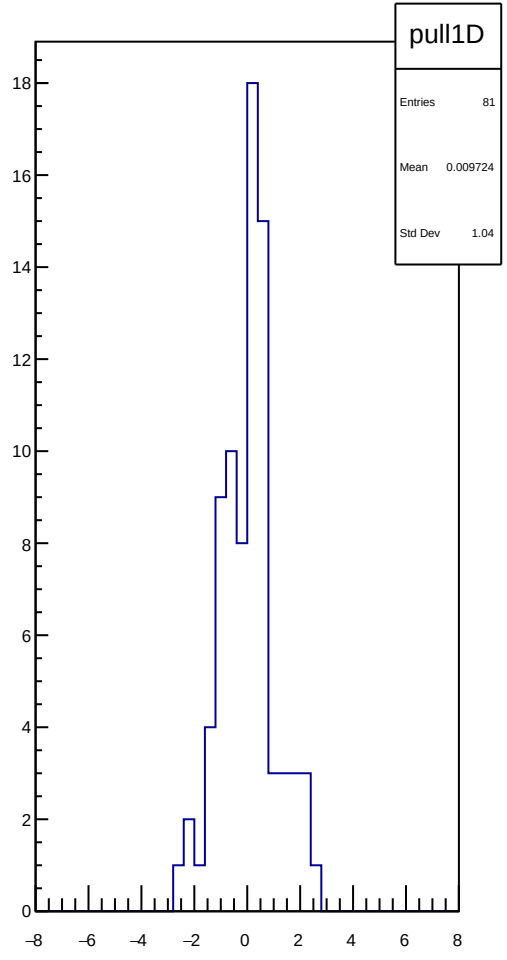

asym_atl_dd_rms vs run
χ^2 / ndf 5091 / 80
p0 4740 ± 3.744
5400
5200
5000
4800
4600
4400
4200

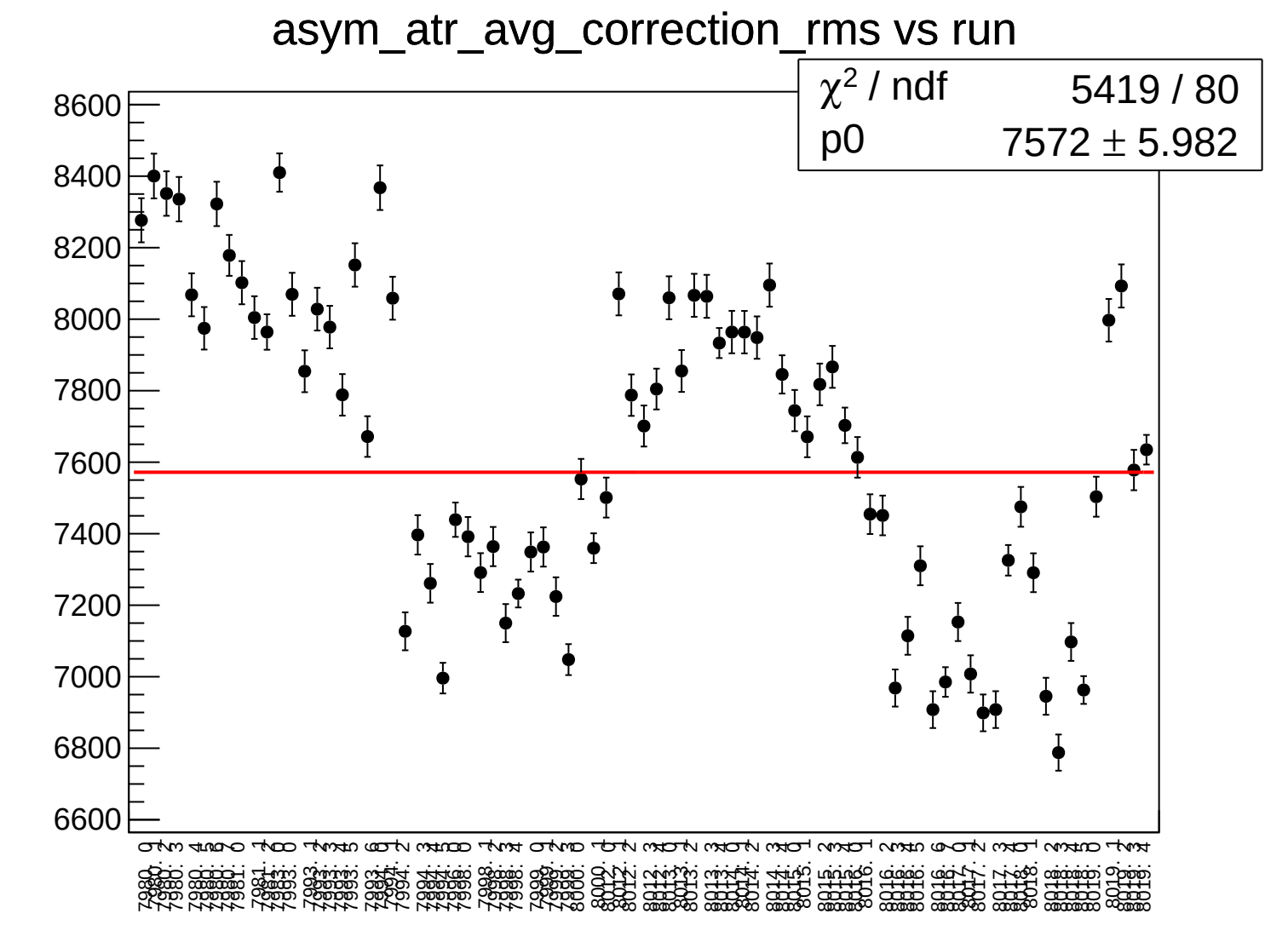

dit_asym_atr_avg_mean vs run
χ² / ndf 83.65 / 80
p0 5440 ± 2322
pull
Entries 81
Mean −54.05
Std Dev 93.83

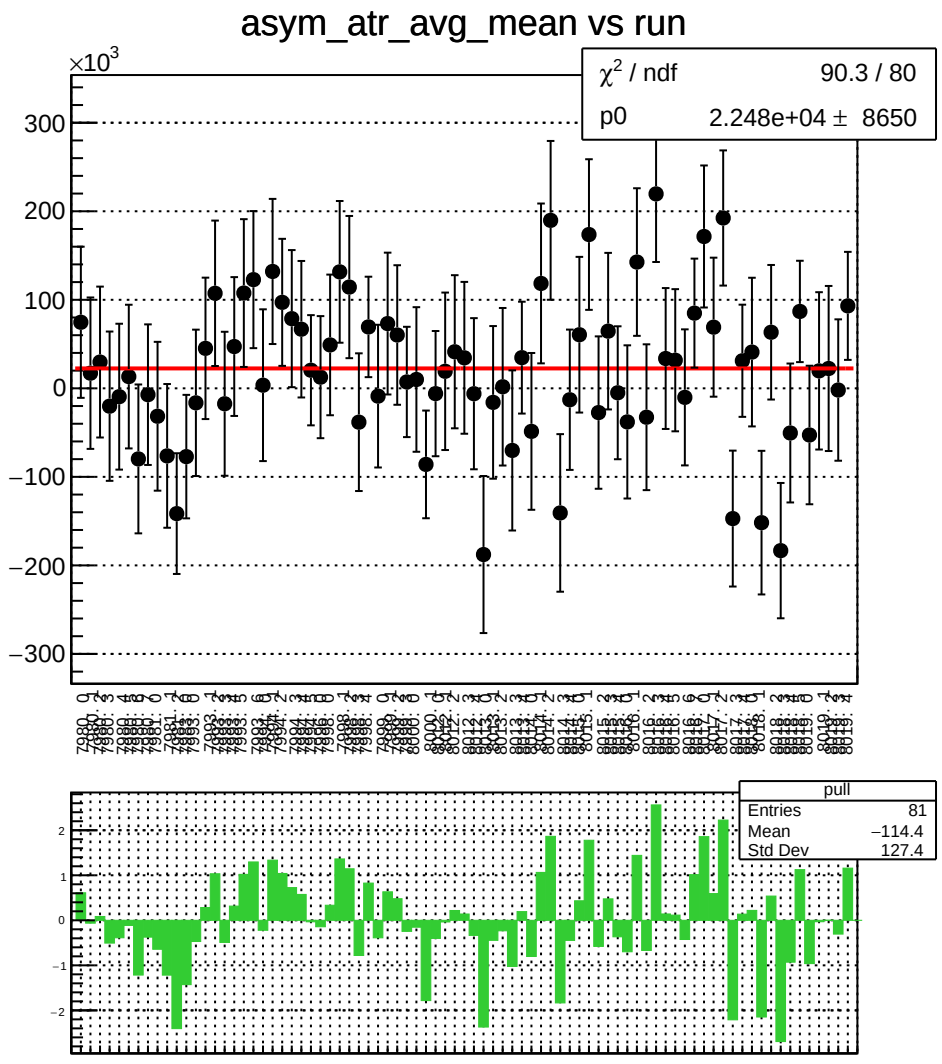

pull1D
Entries 81
Mean −0.009625
Std Dev 1.016

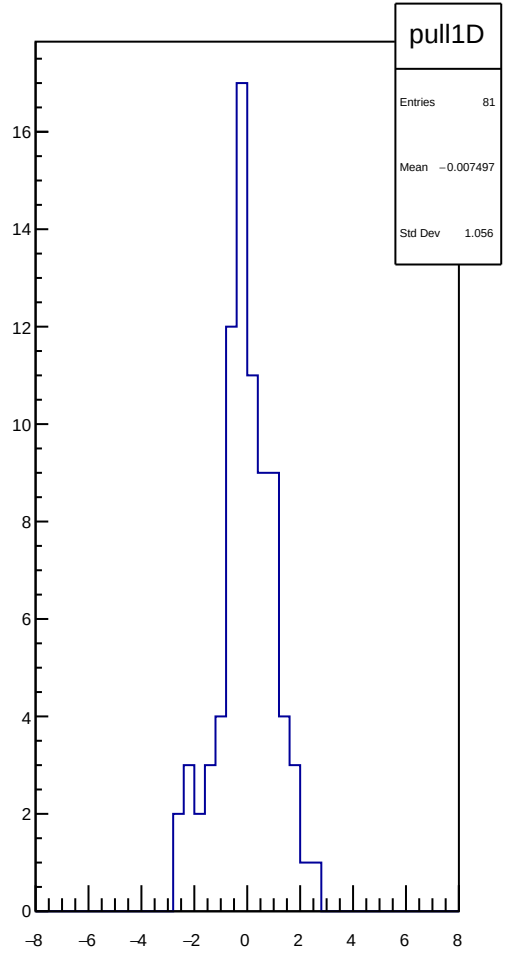

dit_asym_atr_avg_rms vs run
χ² / ndf 572.2 / 80
p0 2081 ± 1.642
2250
2200
2150
2100
2050
2000

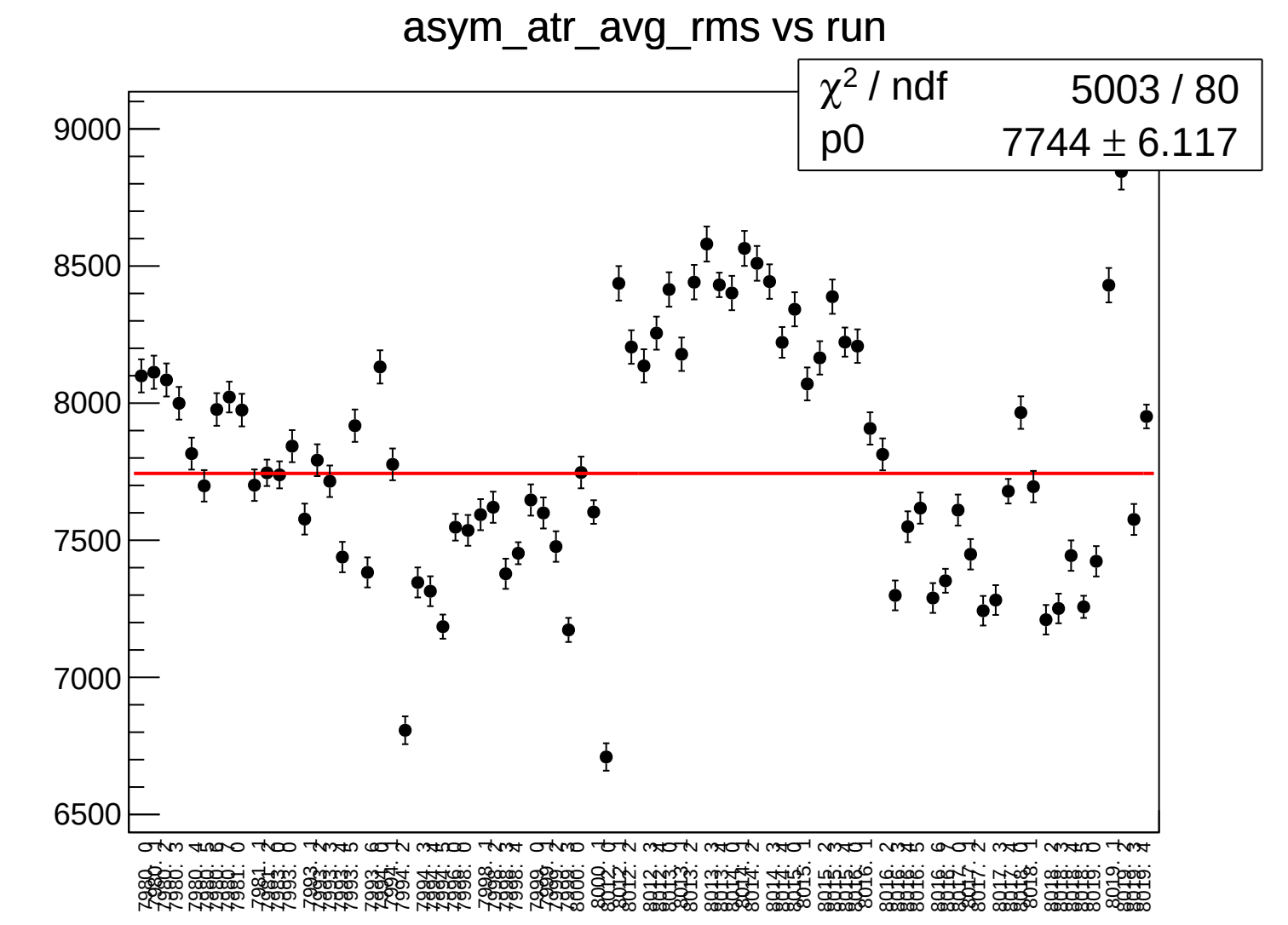

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 87.63 / 80
p0 −1.769e+04 ± 8459
pull
Entries 81
Mean −52.27
Std Dev 50.51

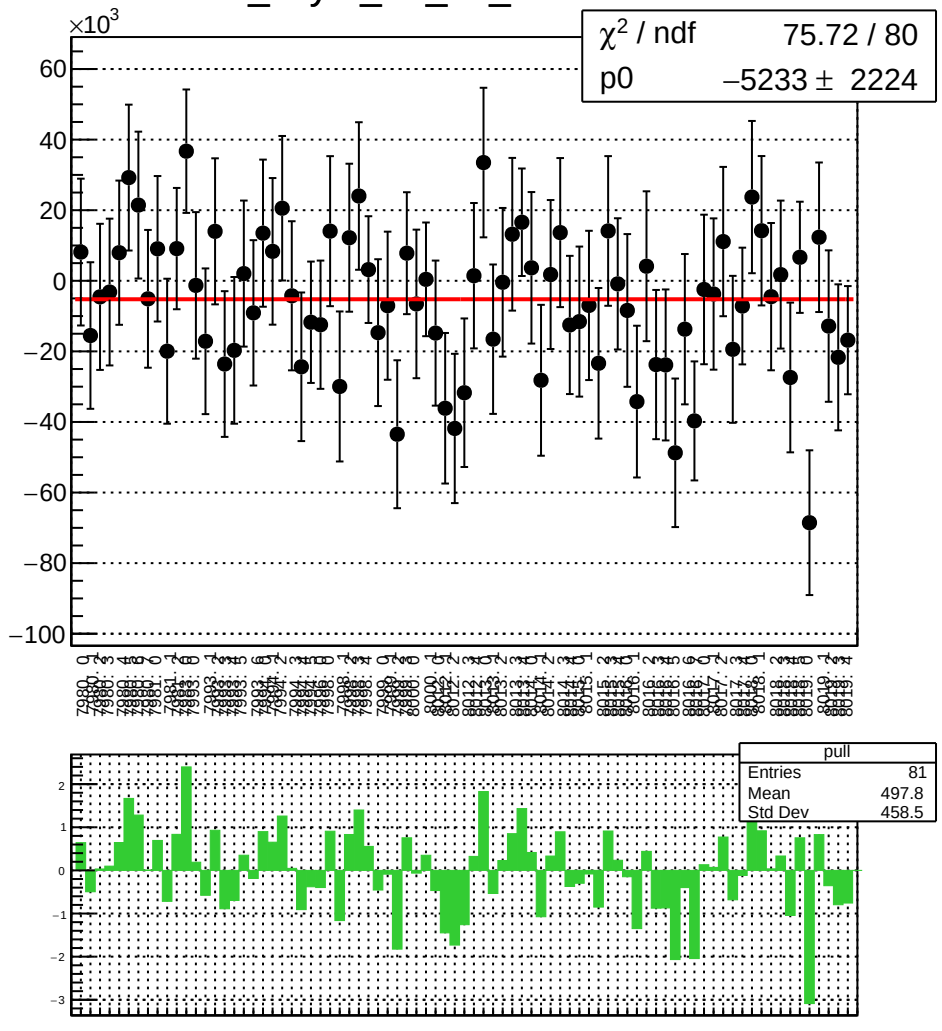

pull1D
Entries 81
Mean 0.009724
Std Dev 1.04

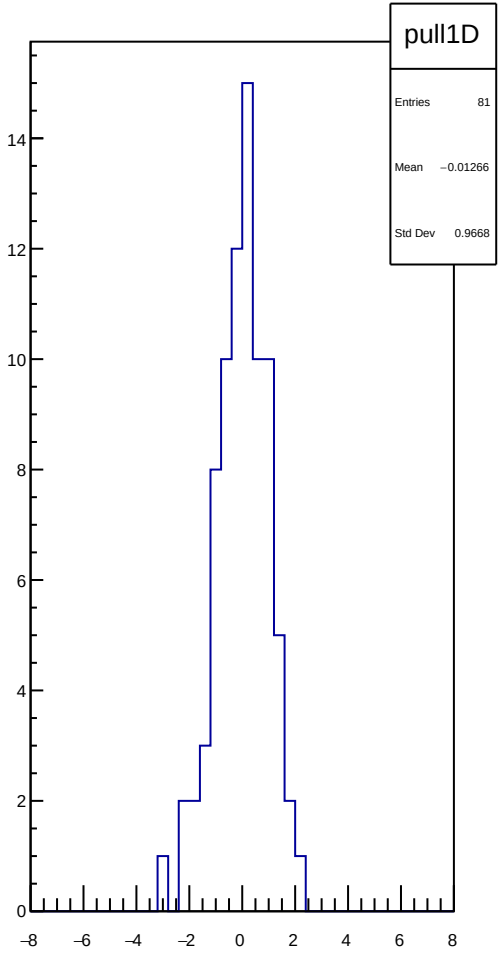

asym_atr_avg_correction_rms vs run
χ² / ndf 5419 / 80
p0 7572 ± 5.982
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

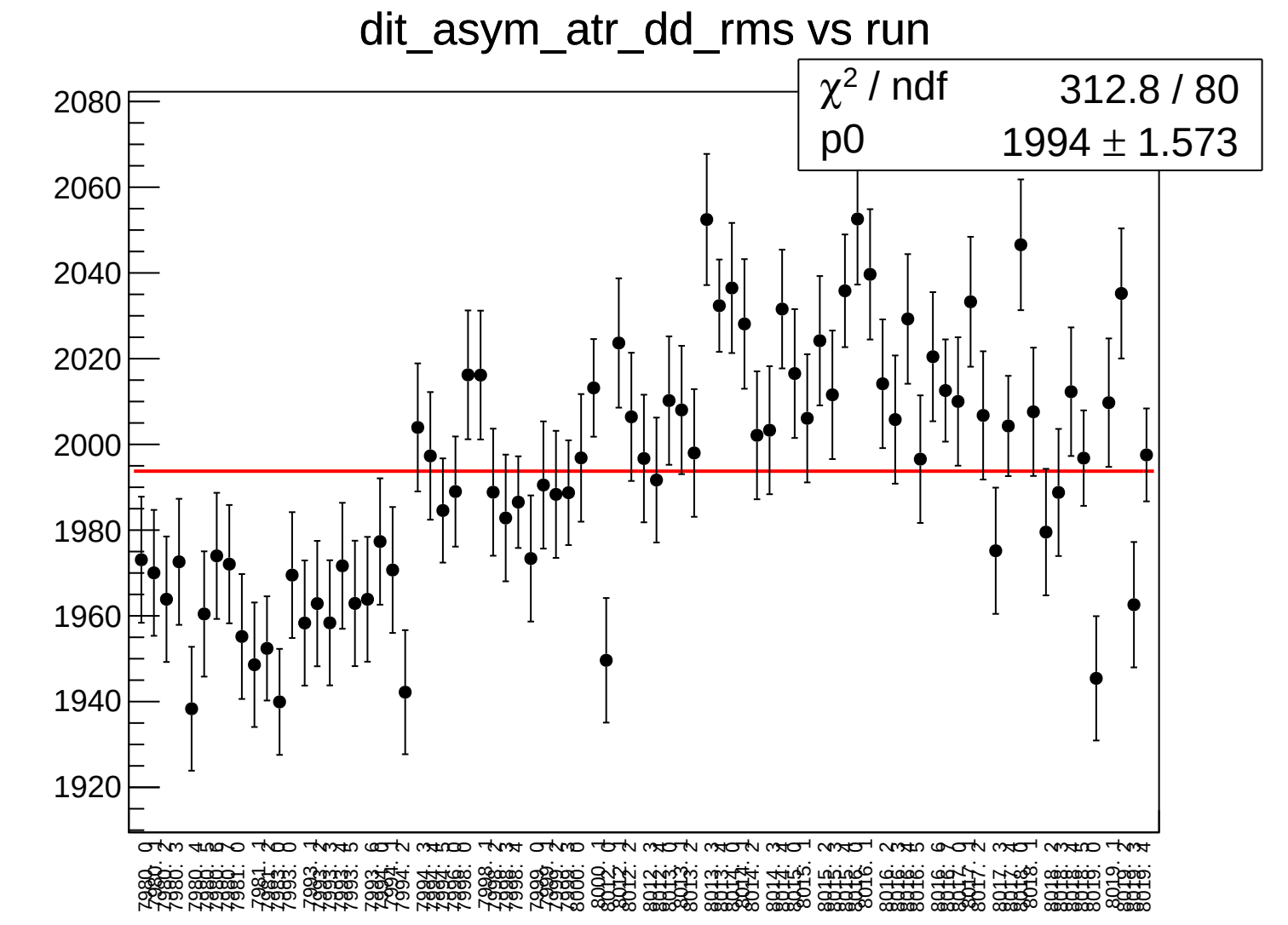

asym_atr_avg_mean vs run
×10^3
χ² / ndf 90.3 / 80
p0 2.248e+04 ± 8650
300
200
100
0
−100
−200
−300
pull
Entries 81
Mean −114.4
Std Dev 127.4
2
1
0
−1
−2

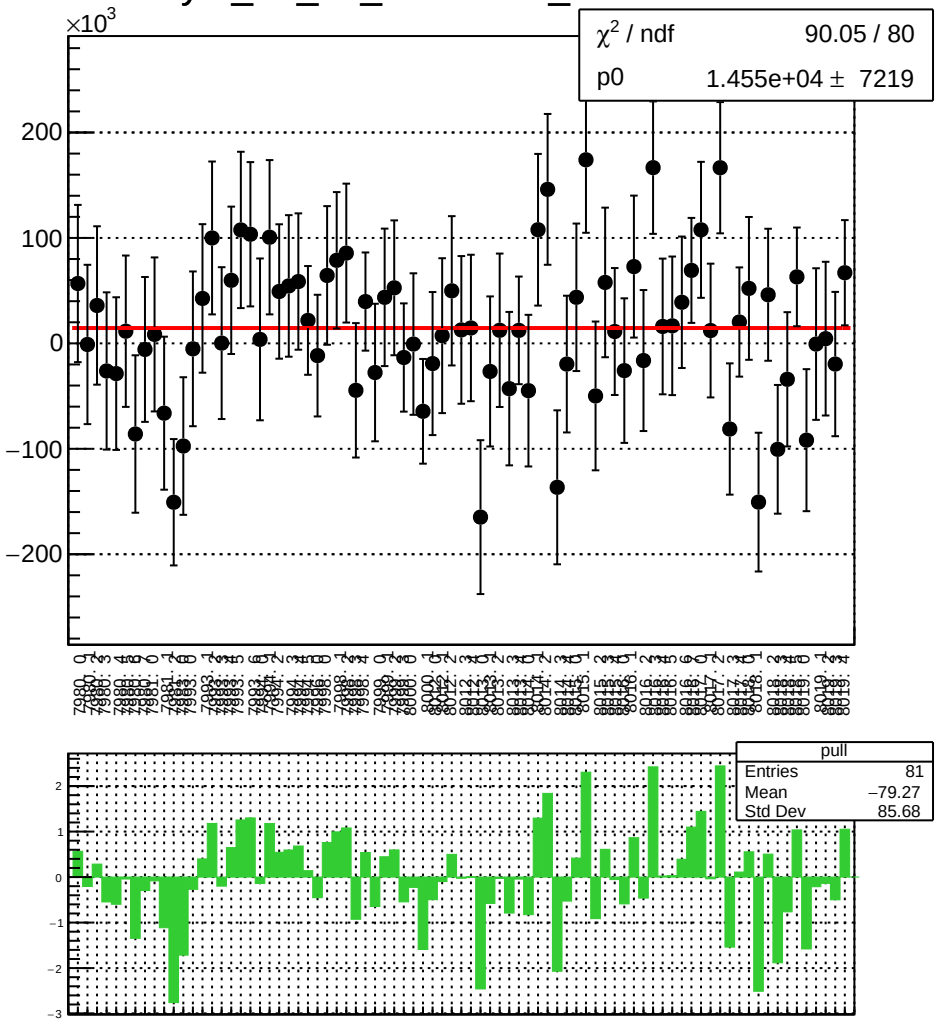

pull1D
Entries 81
Mean −0.007497
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

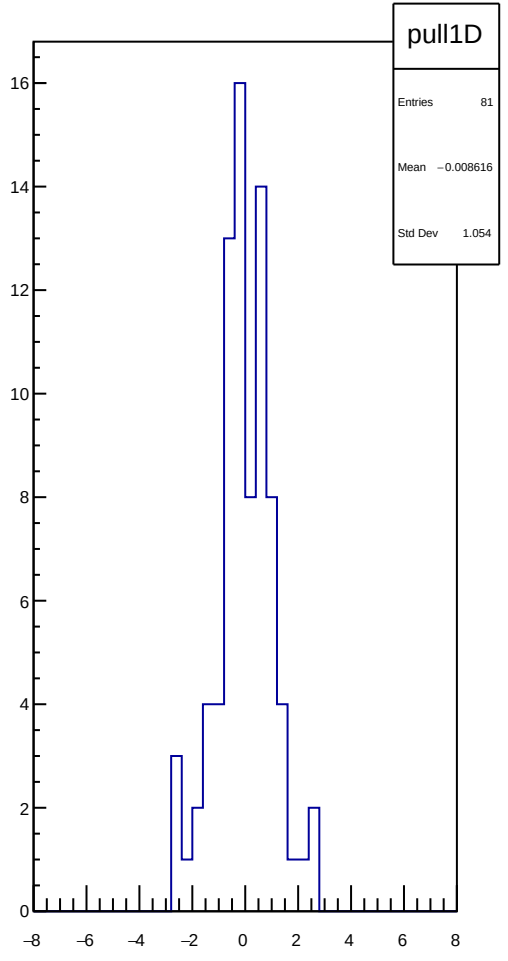

asym_atr_avg_rms vs run
χ² / ndf 5003 / 80
p0 7744 ± 6.117
9000
8500
8000
7500
7000
6500

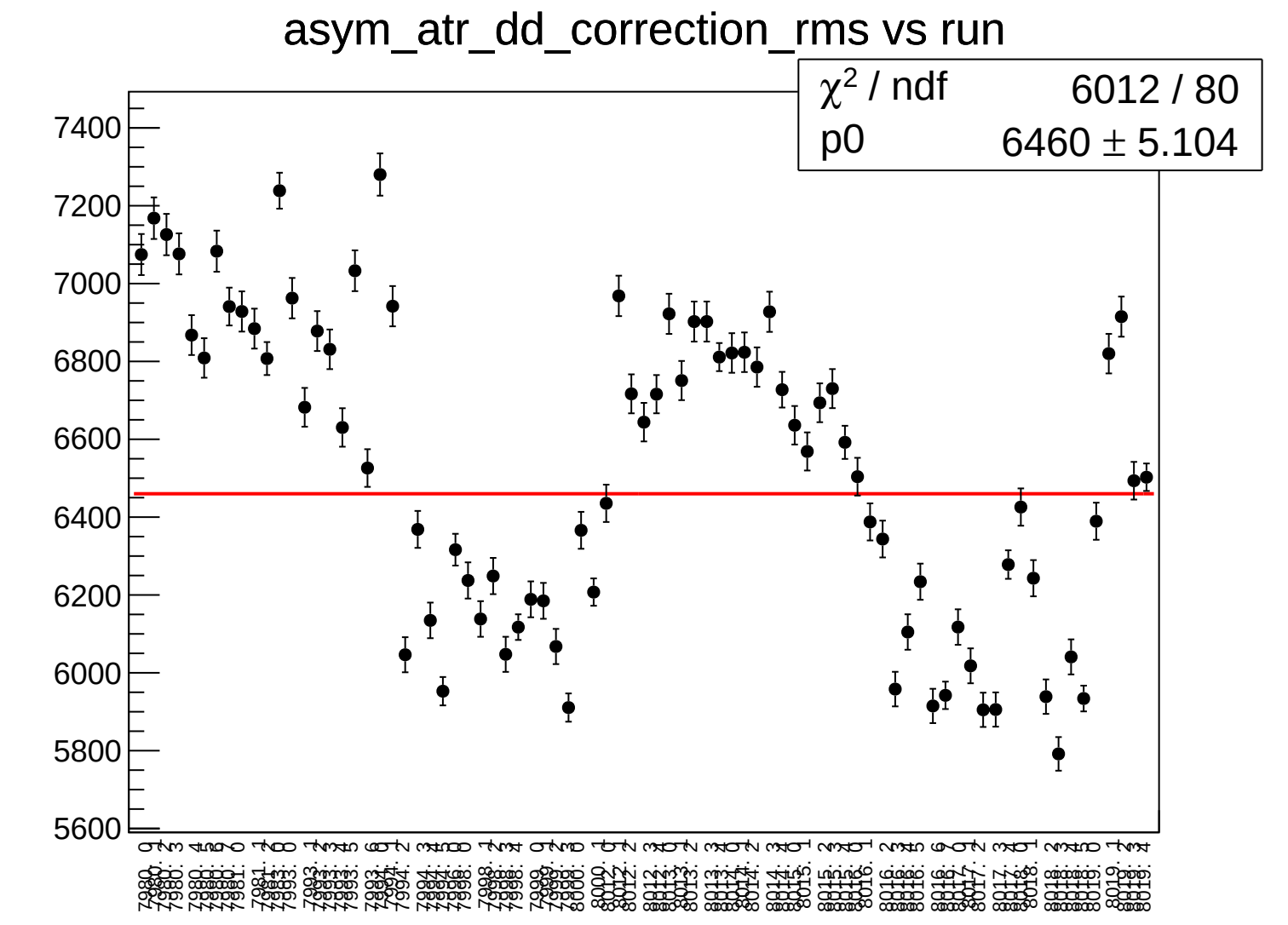

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 75.72 / 80
p0 −5233 ± 2224
pull
Entries 81
Mean 497.8
Std Dev 458.5

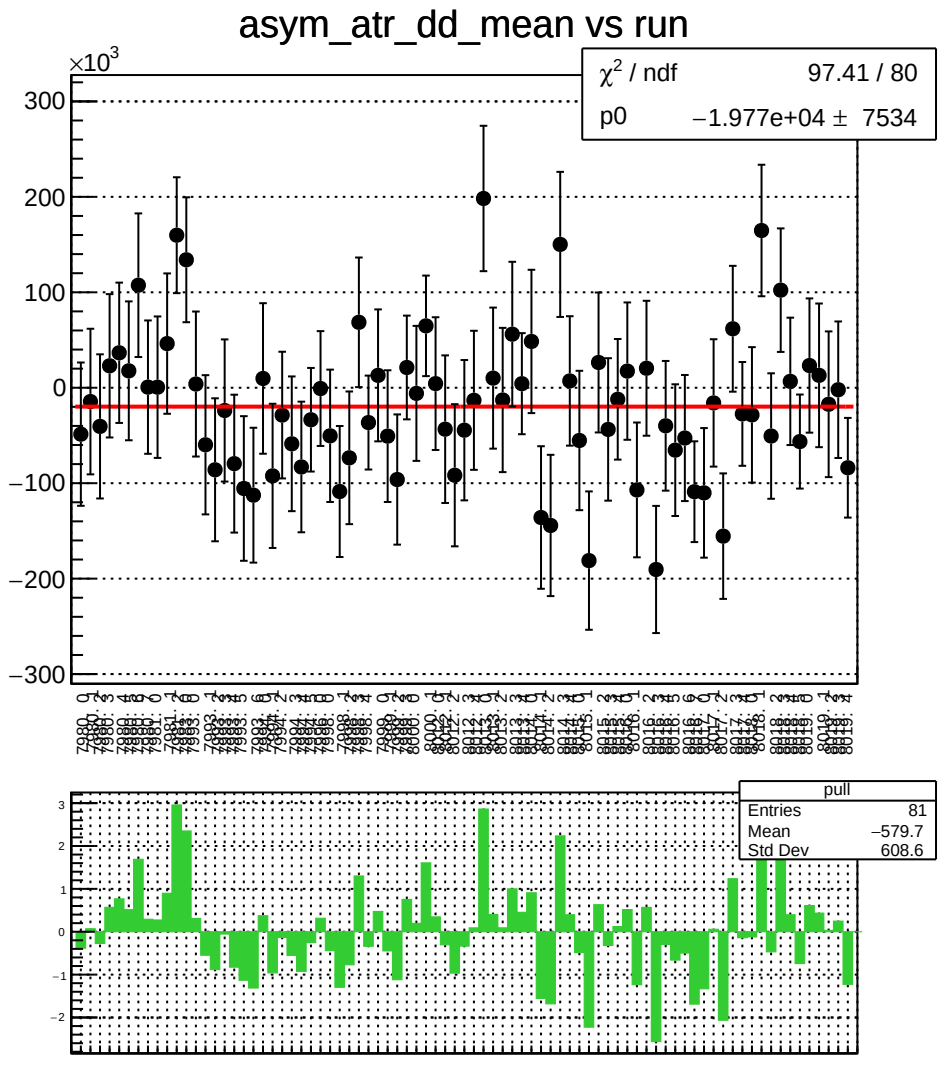

pull1D
Entries 81
Mean −0.01266
Std Dev 0.9668

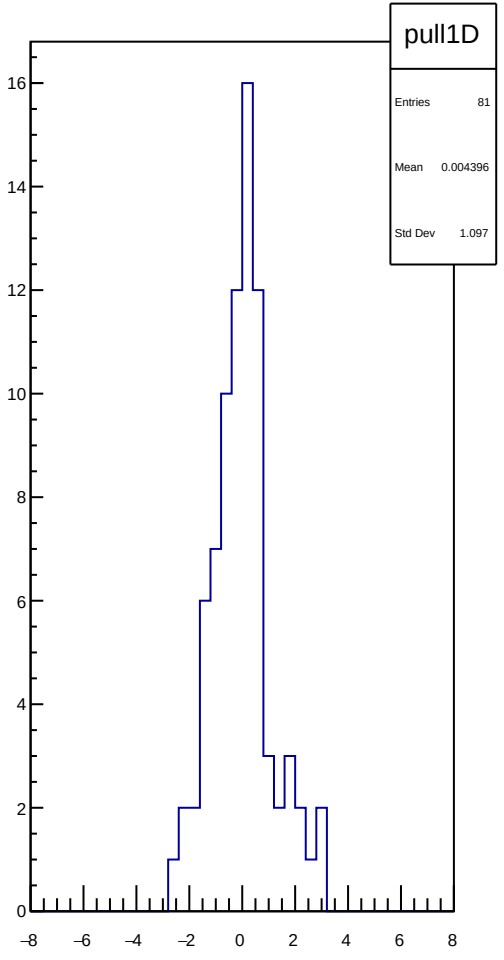

dit_asym_atr_dd_rms vs run
χ^2 / ndf 312.8 / 80
p0 1994 ± 1.573
2080
2060
2040
2020
2000
1980
1960
1940
1920

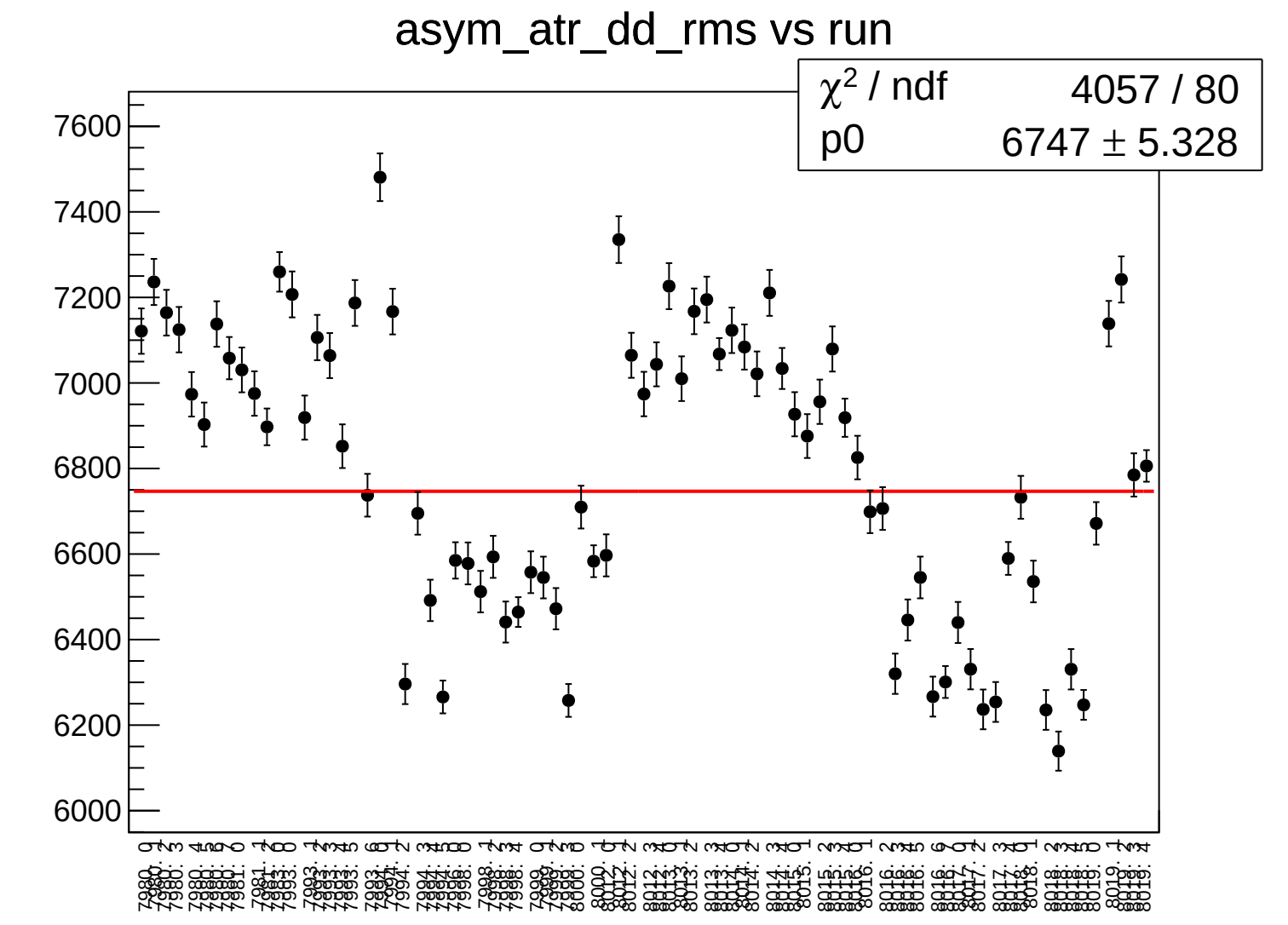

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 90.05 / 80
p0 1.455e+04 ± 7219
200
100
0
−100
−200
pull
Entries 81
Mean −79.27
Std Dev 85.68
2
1
0
−1
−2
−3

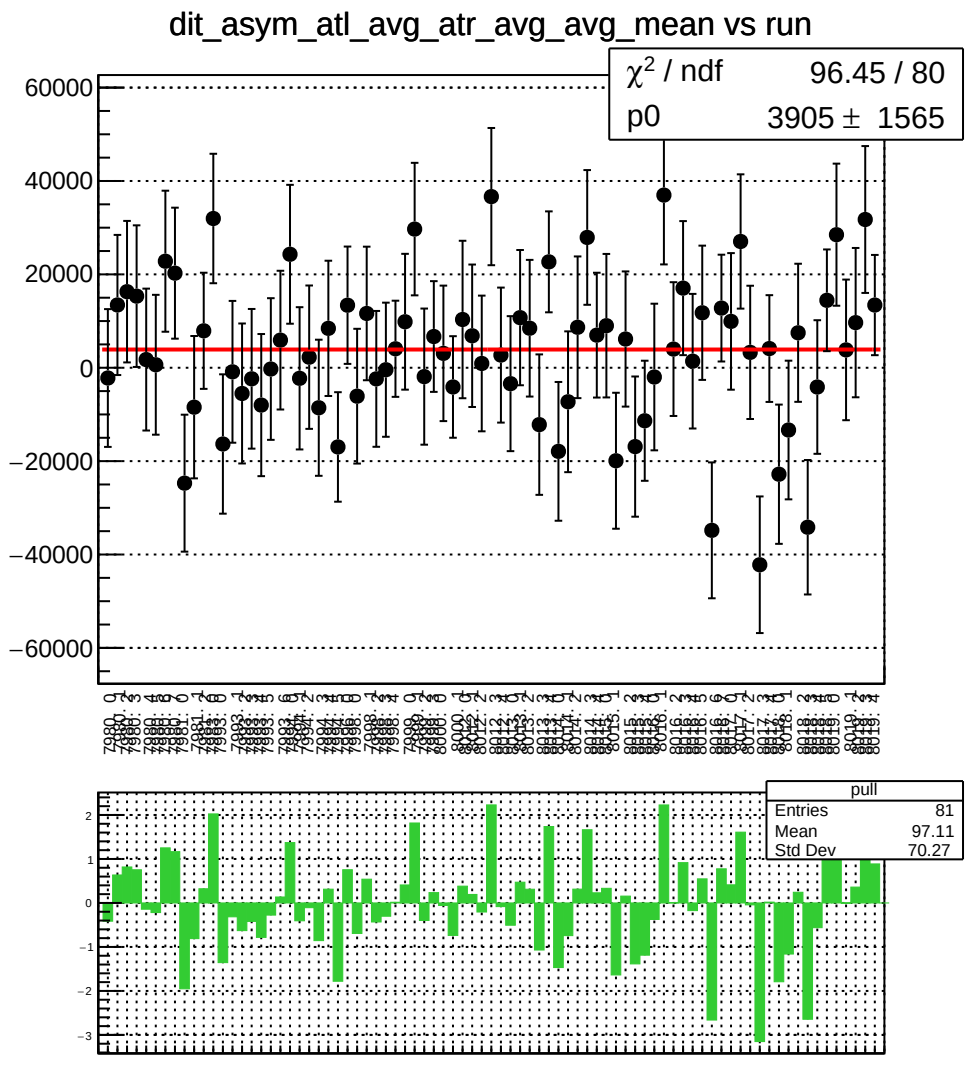

pull1D
Entries 81
Mean −0.008616
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

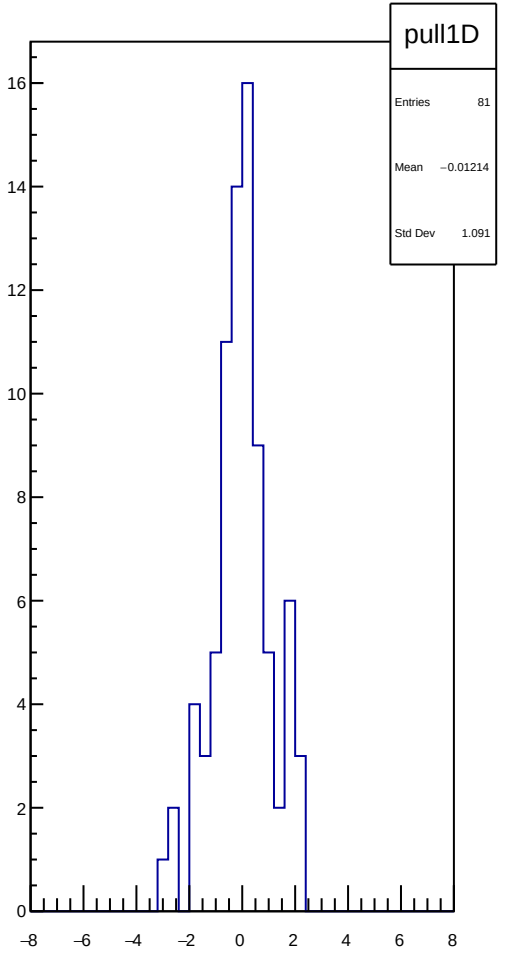

asym_atr_dd_correction_rms vs run
χ² / ndf 6012 / 80
p0 6460 ± 5.104
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600

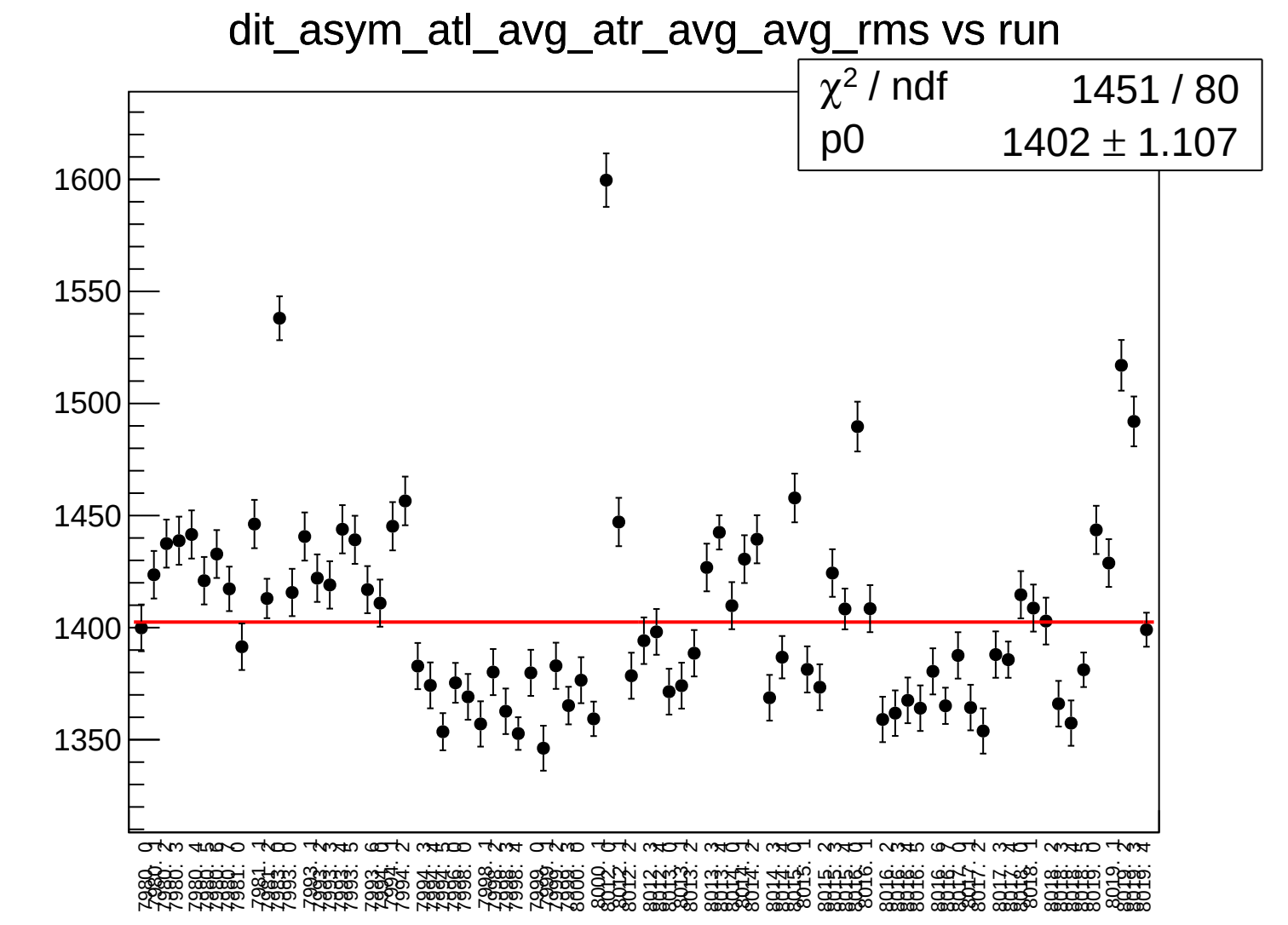

asym_atr_dd_mean vs run
×10^3
χ² / ndf 97.41 / 80
p0 −1.977e+04 ± 7534
pull
Entries 81
Mean −579.7
Std Dev 608.6

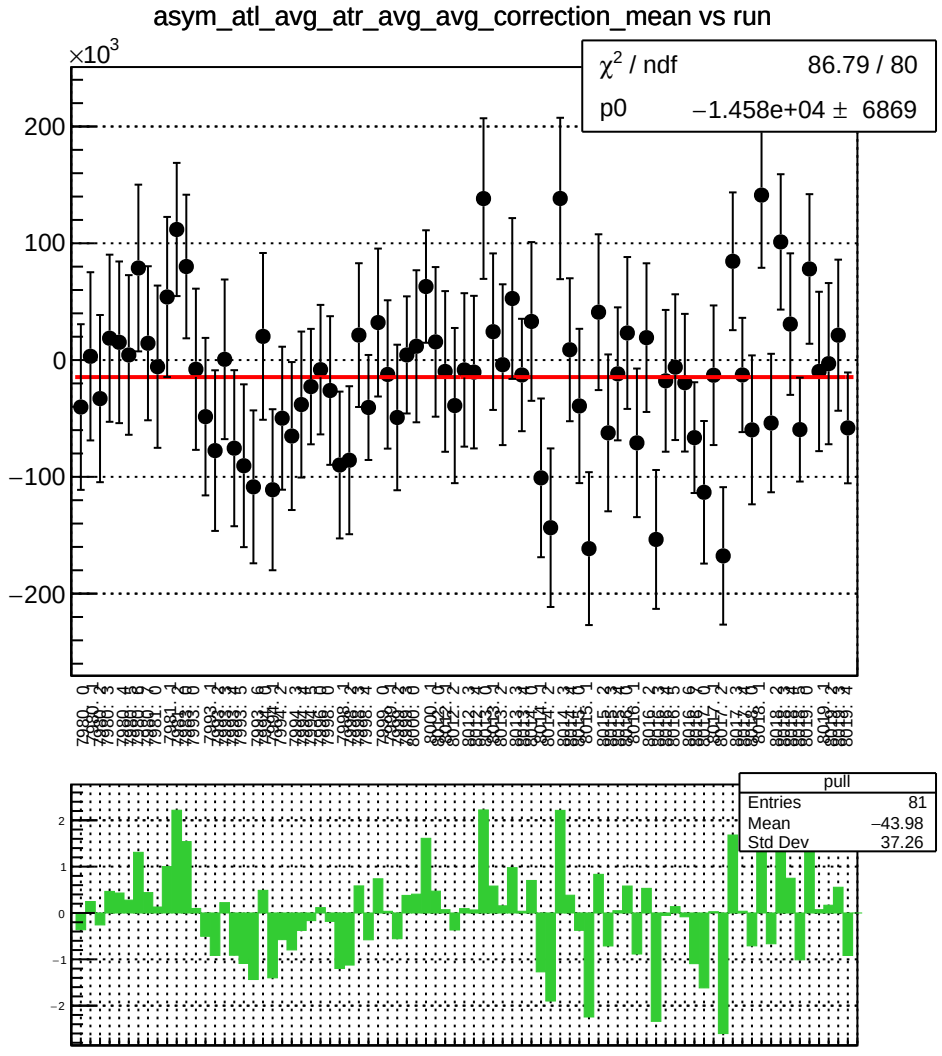

pull1D
Entries 81
Mean 0.004396
Std Dev 1.097

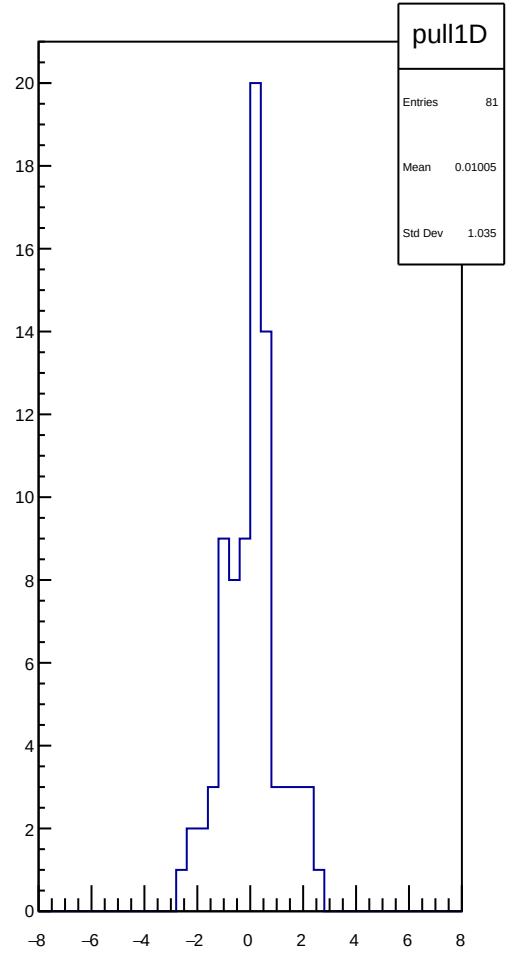

asym_atr_dd_rms vs run
χ² / ndf 4057 / 80
p0 6747 ± 5.328
7600
7400
7200
7000
6800
6600
6400
6200
6000

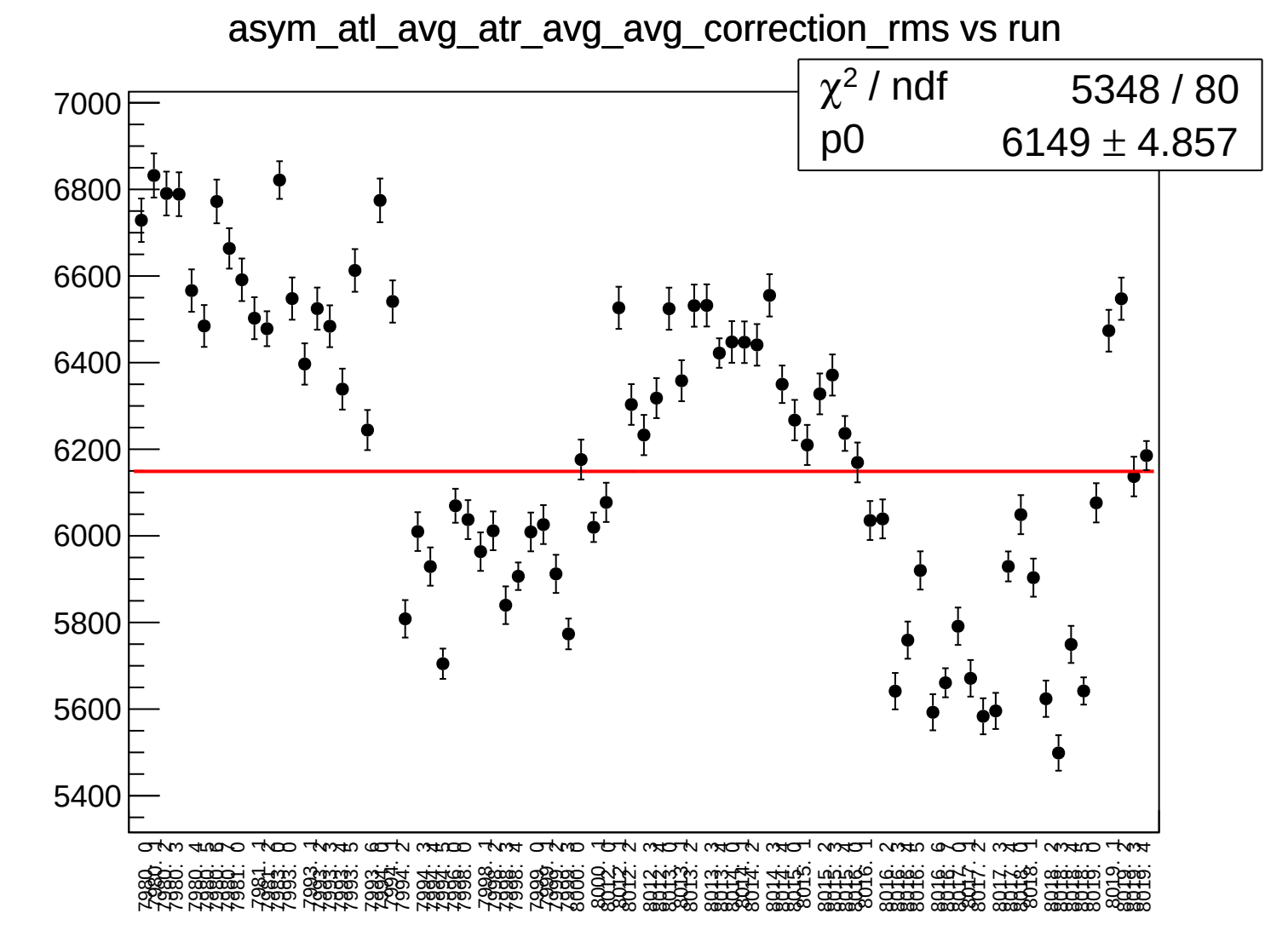

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 96.45 / 80
p0 3905 ± 1565
pull
Entries 81
Mean 97.11
Std Dev 70.27

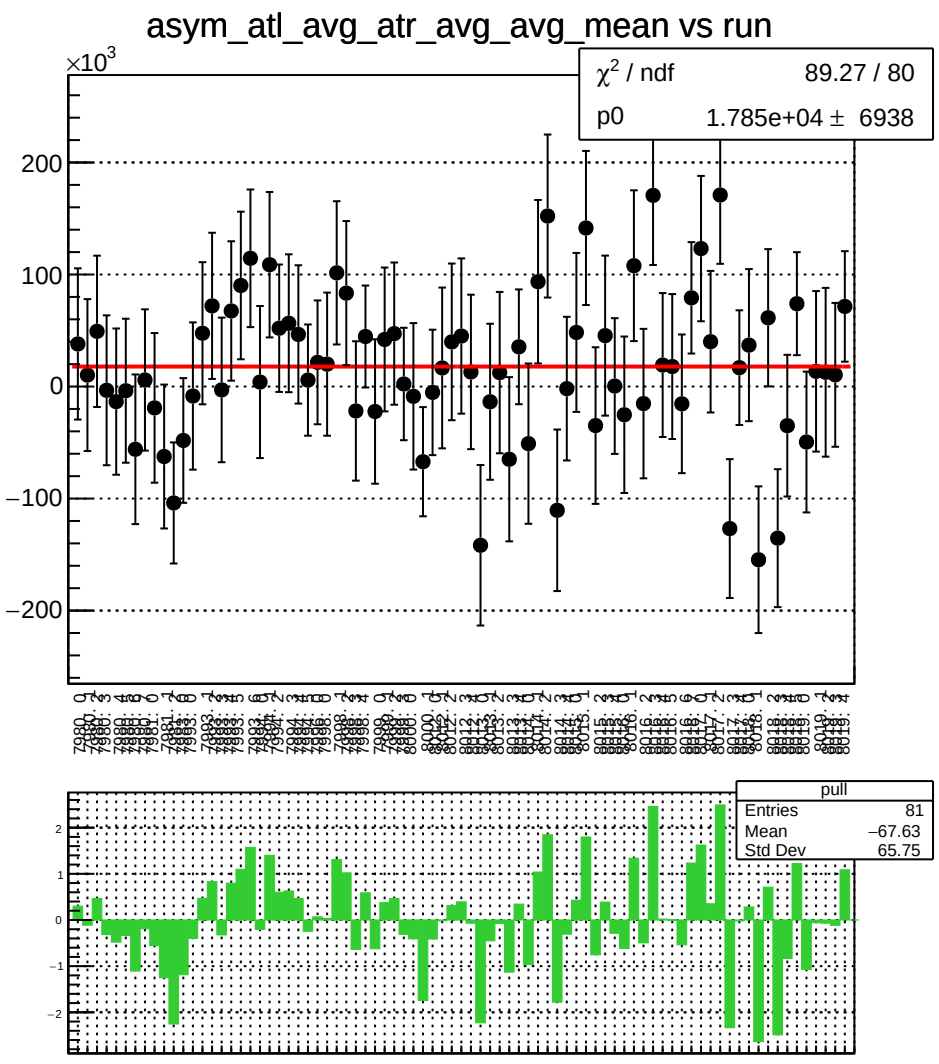

pull1D
Entries 81
Mean −0.01214
Std Dev 1.091

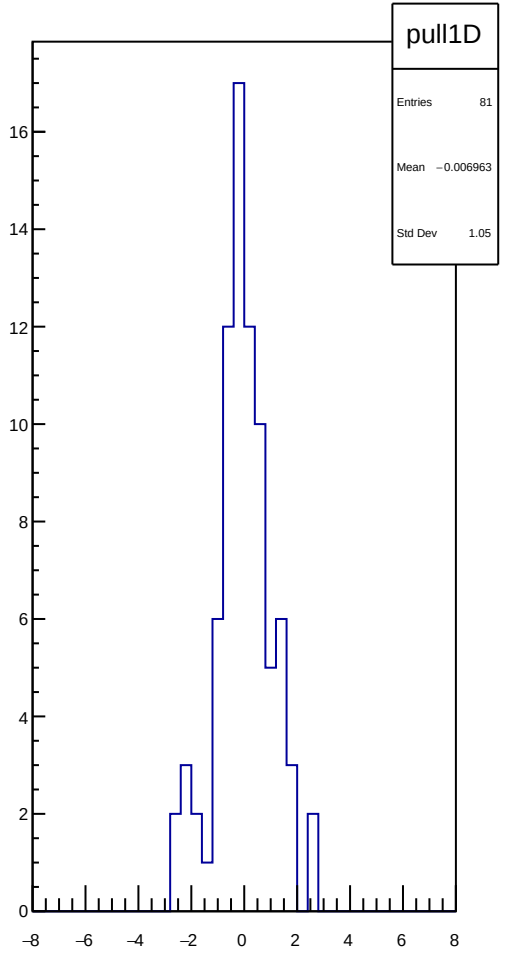

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1451 / 80
p0 1402 ± 1.107
1600
1550
1500
1450
1400
1350

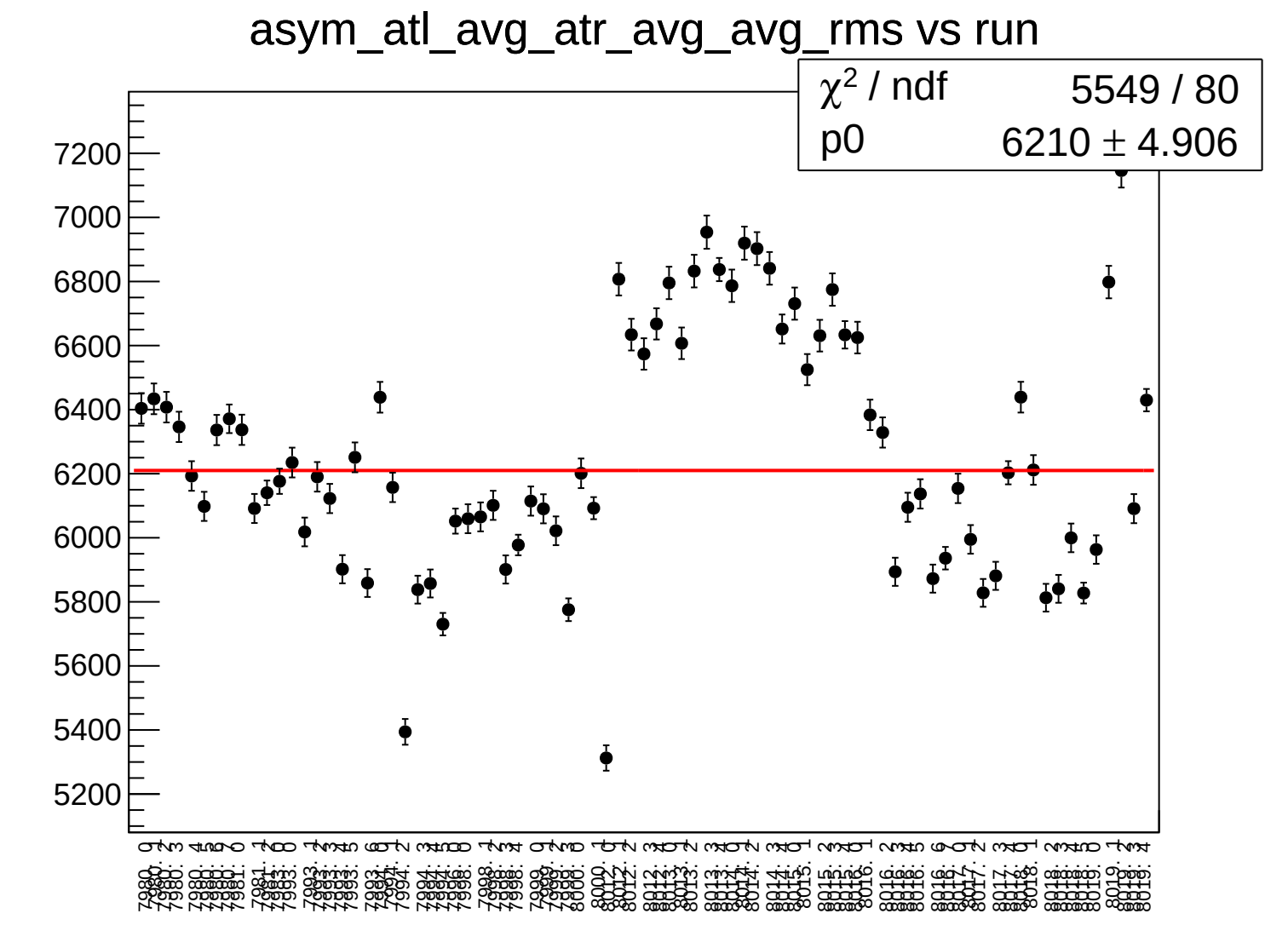

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 86.79 / 80
p0 −1.458e+04 ± 6869
200
100
0
−100
−200
pull
Entries 81
Mean −43.98
Std Dev 37.26
2
1
0
−1
−2

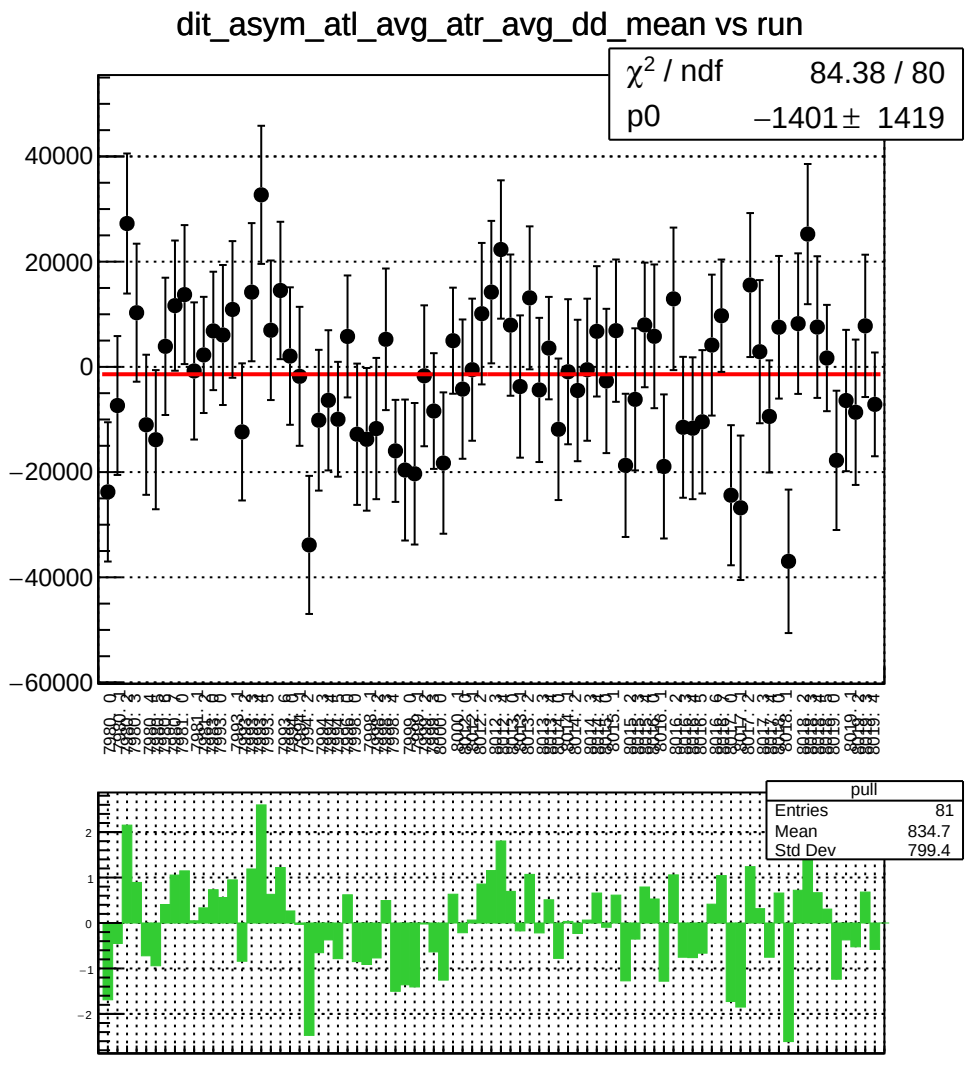

pull1D
Entries 81
Mean 0.01005
Std Dev 1.035
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

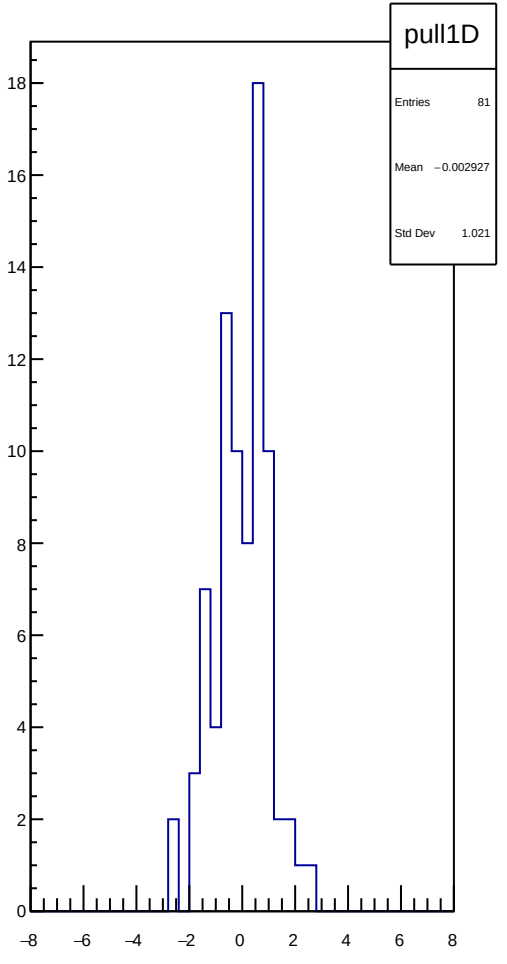

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 5348 / 80
p0 6149 ± 4.857
7000
6800
6600
6400
6200
6000
5800
5600
5400

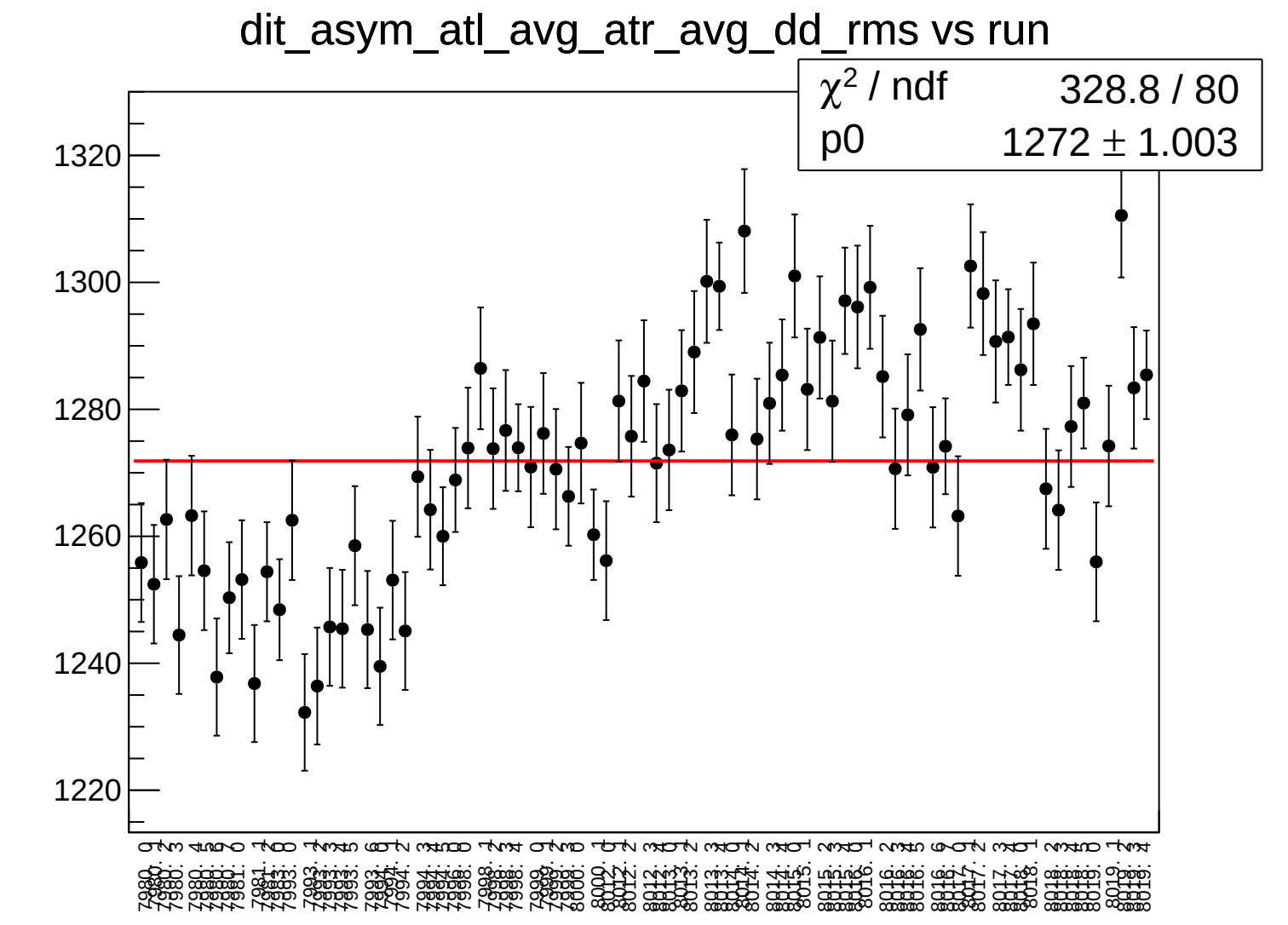

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 89.27 / 80
p0 1.785e+04 ± 6938
200
100
0
−100
−200
pull
Entries 81
Mean −67.63
Std Dev 65.75
2
1
0
−1
−2

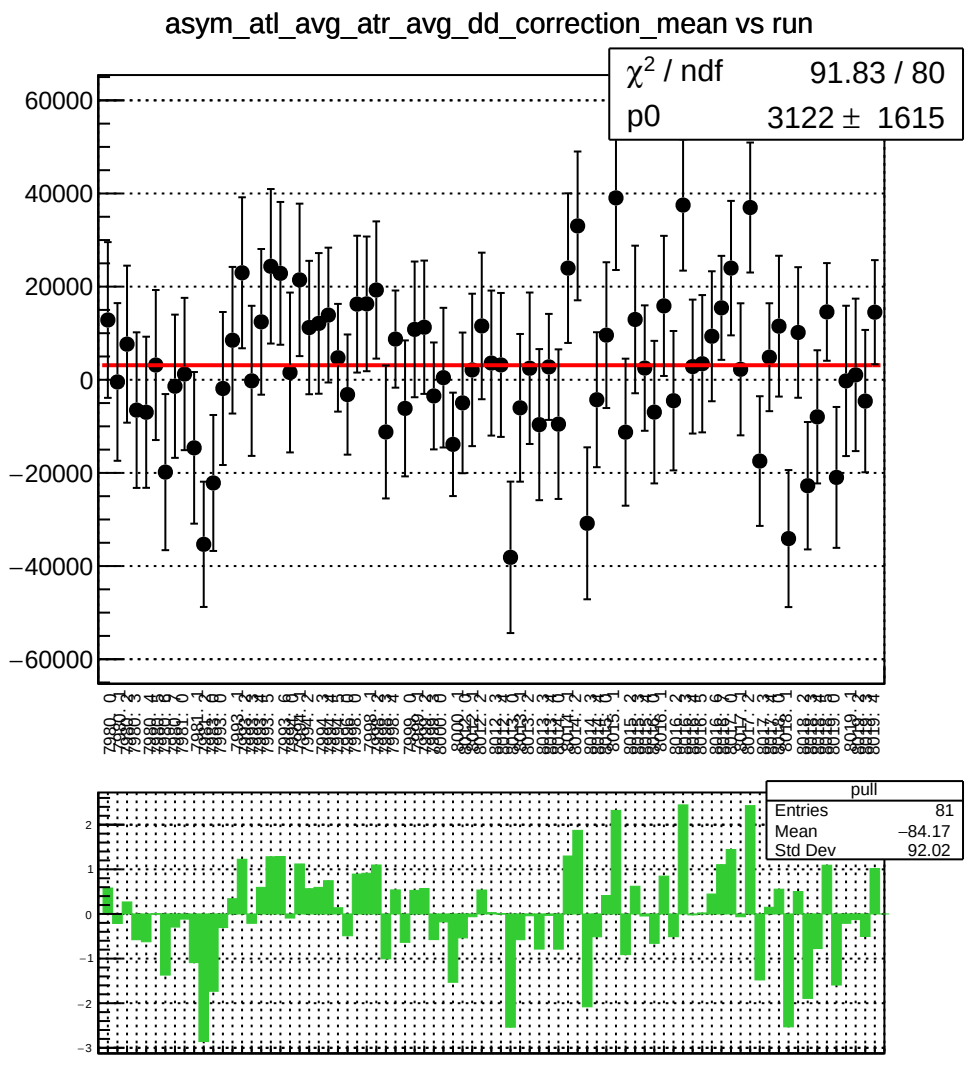

pull1D
Entries 81
Mean −0.006963
Std Dev 1.05
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

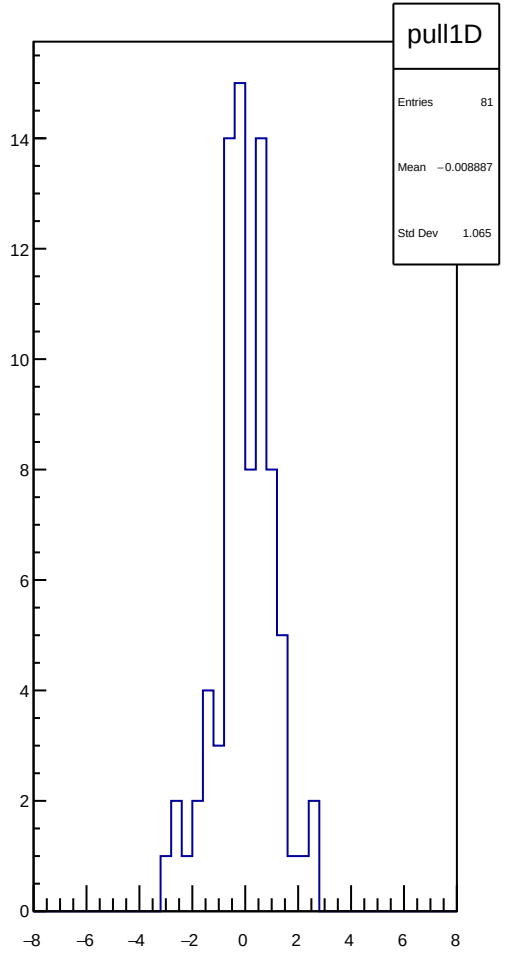

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5549 / 80
p0 6210 ± 4.906
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5200

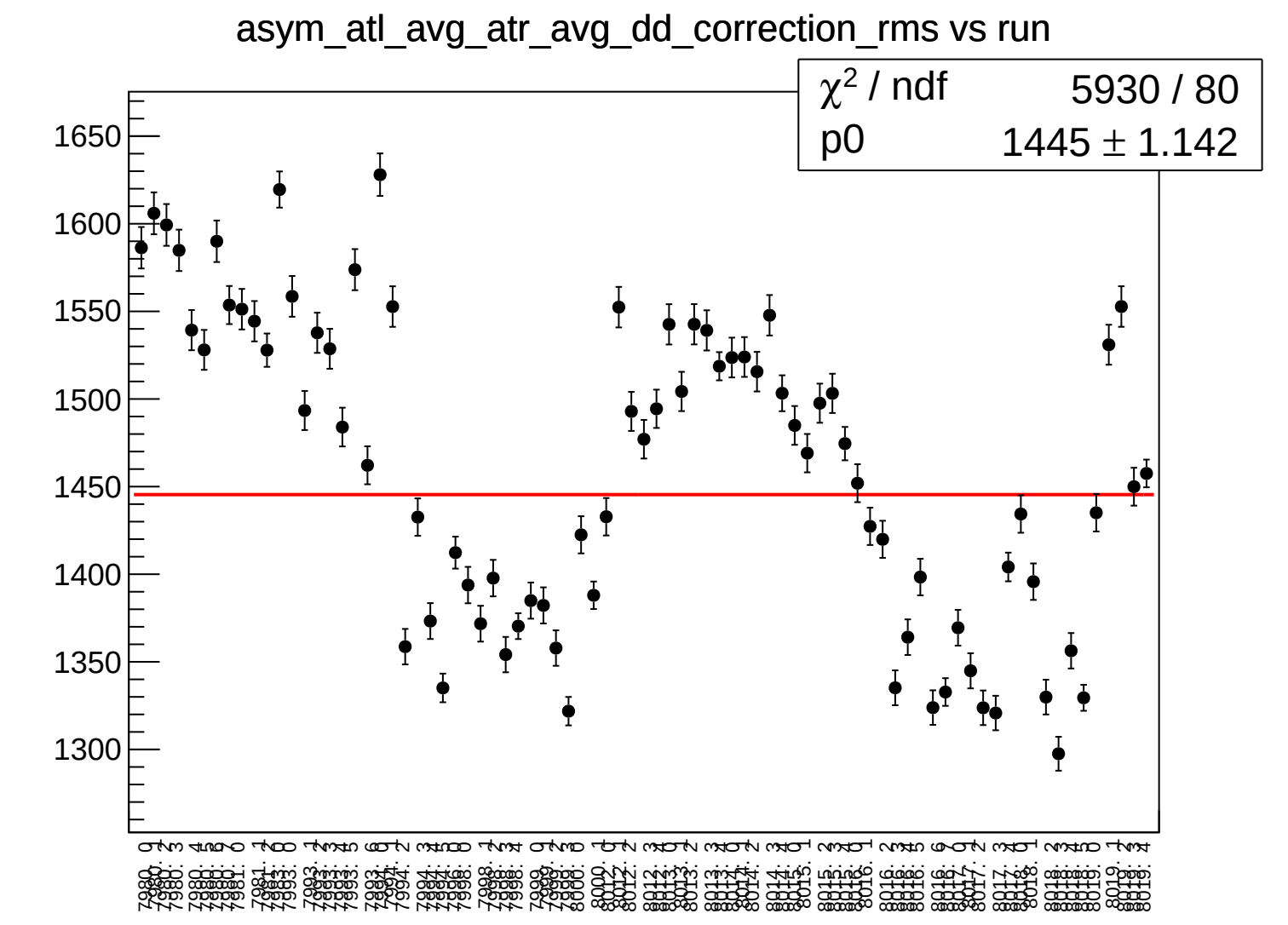

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 84.38 / 80
p0 −1401 ± 1419
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 834.7
Std Dev 799.4
2
1
0
−1
−2

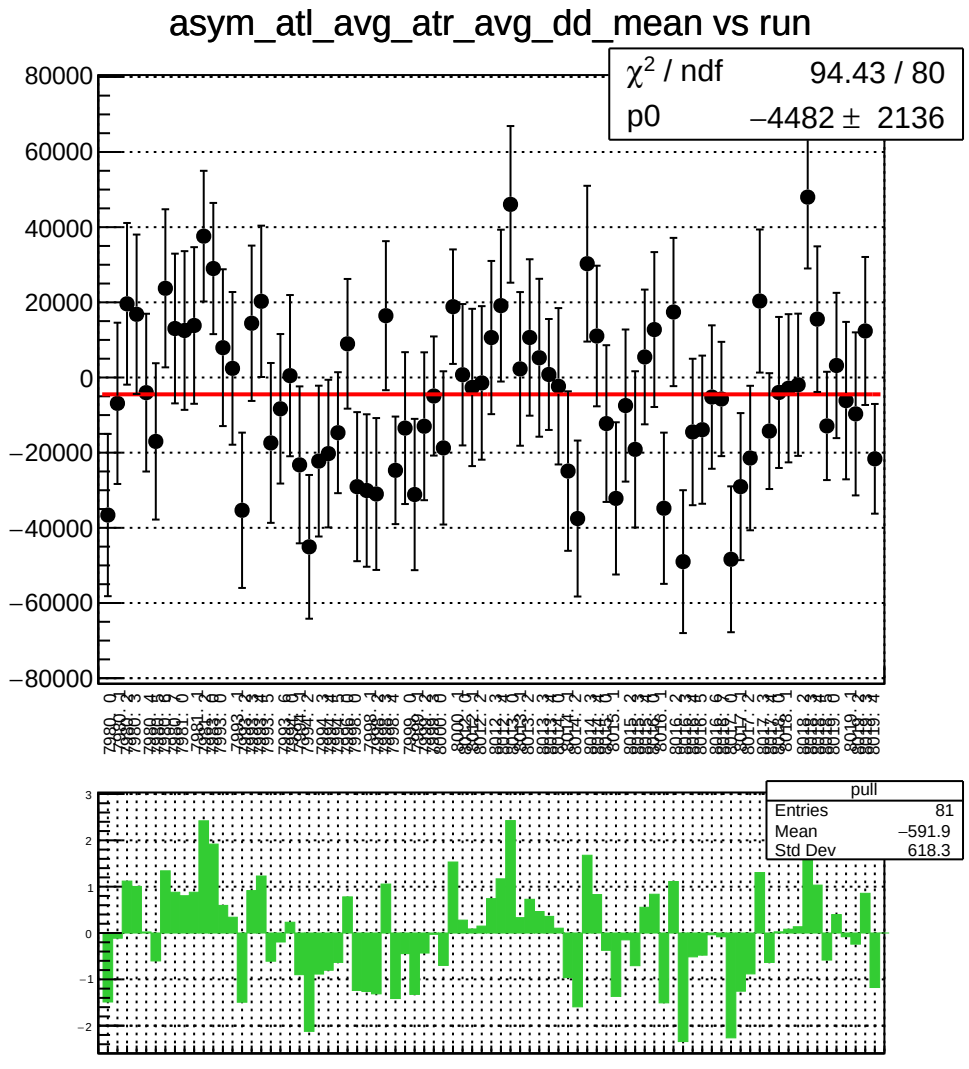

pull1D
Entries 81
Mean −0.002927
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

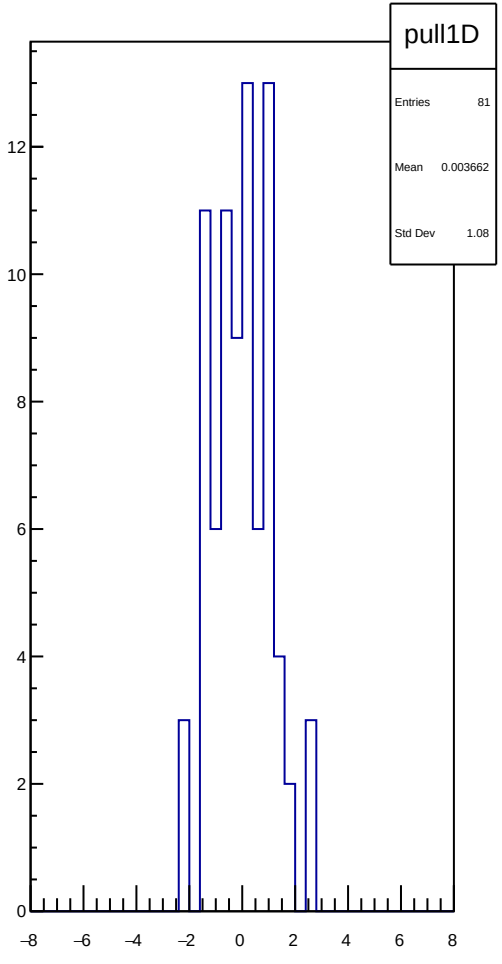

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 328.8 / 80
p0 1272 ± 1.003
1320
1300
1280
1260
1240
1220

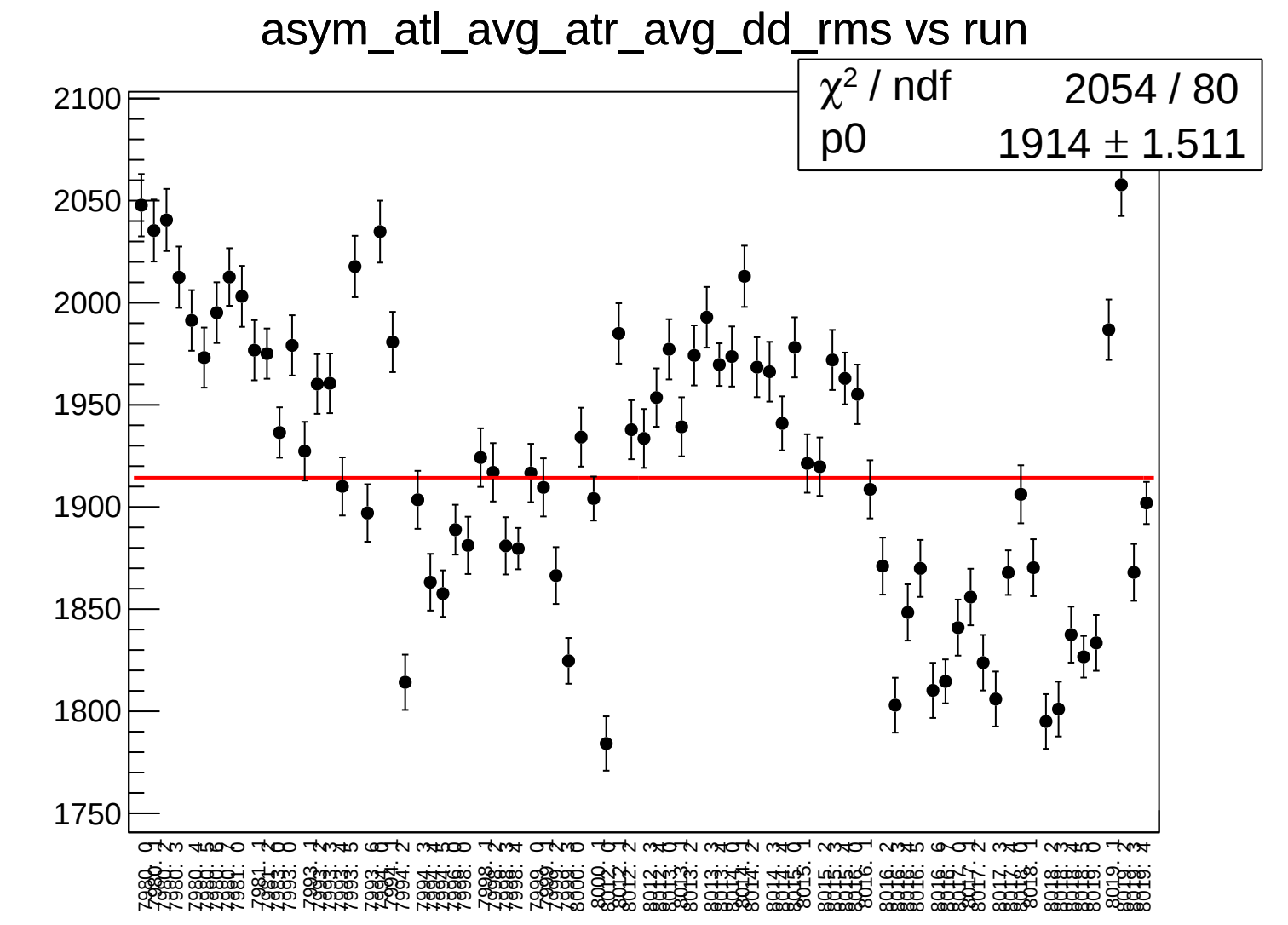

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 91.83 / 80
p0 3122 ± 1615
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −84.17
Std Dev 92.02
2
1
0
−1
−2
−3

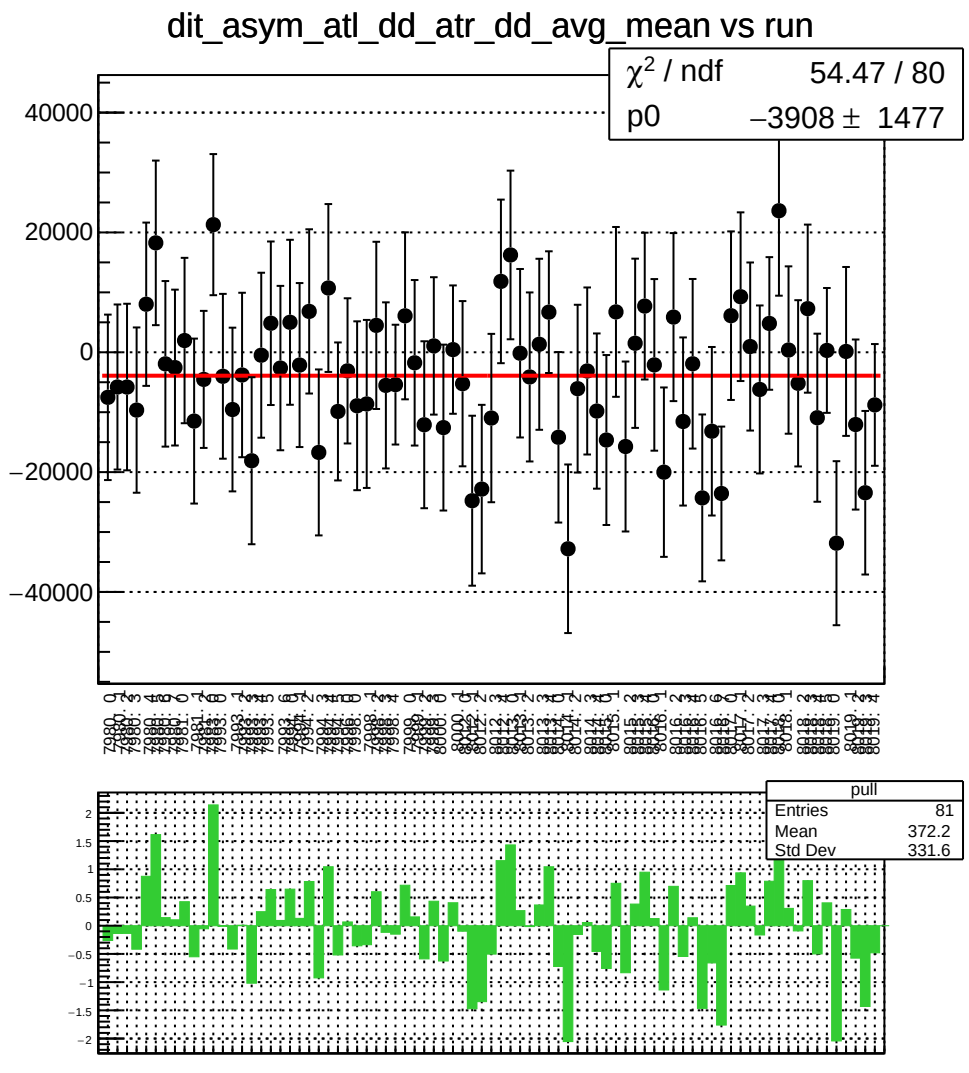

pull1D
Entries 81
Mean −0.008887
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

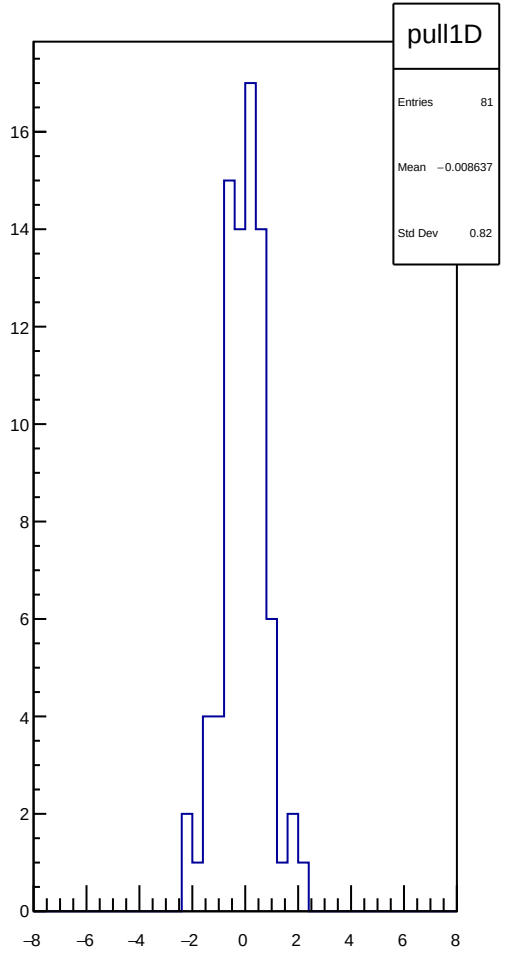

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 5930 / 80
p0 1445 ± 1.142
1650
1600
1550
1500
1450
1400
1350
1300

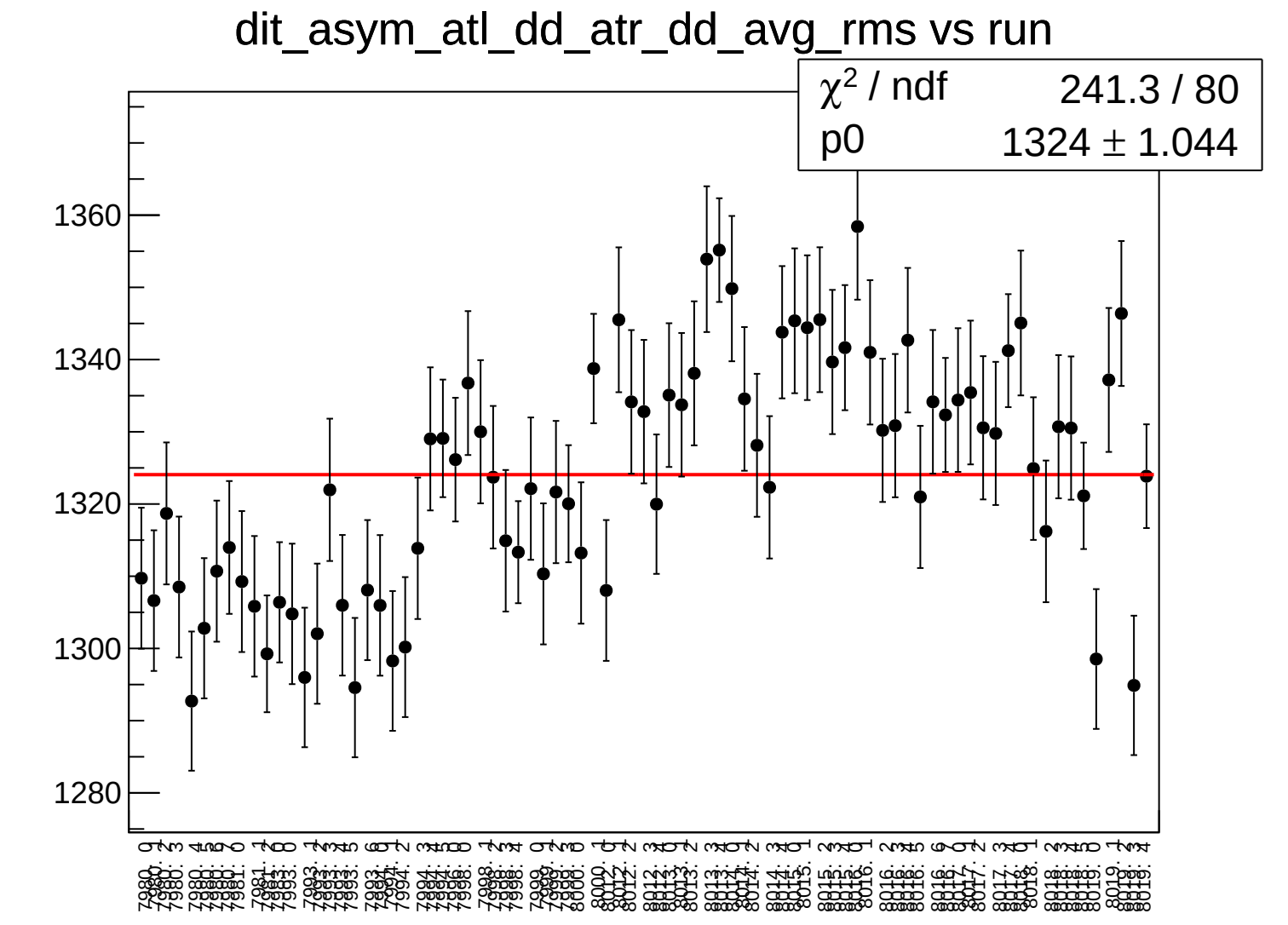

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 94.43 / 80
p0 −4482 ± 2136
pull
Entries 81
Mean −591.9
Std Dev 618.3

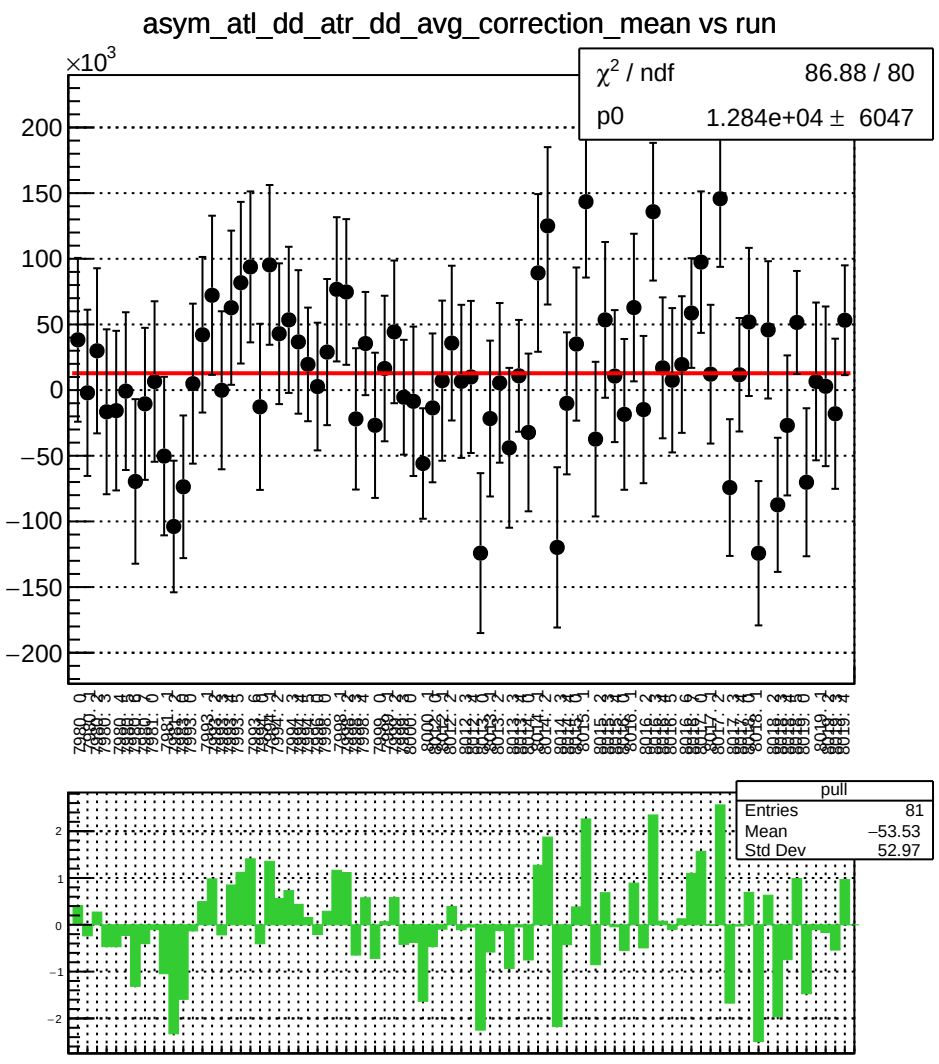

pull1D
Entries 81
Mean 0.003662
Std Dev 1.08

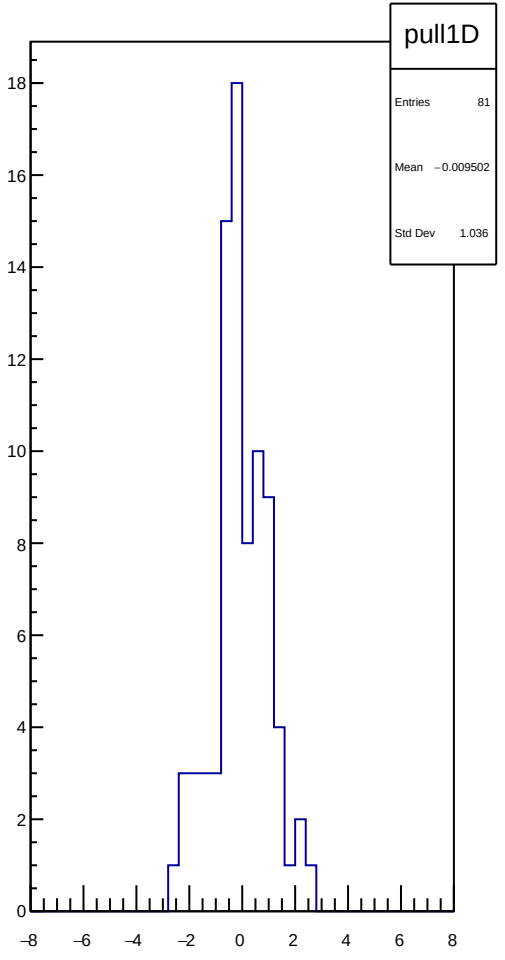

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2054 / 80
p0 1914 ± 1.511
2100
2050
2000
1950
1900
1850
1800
1750

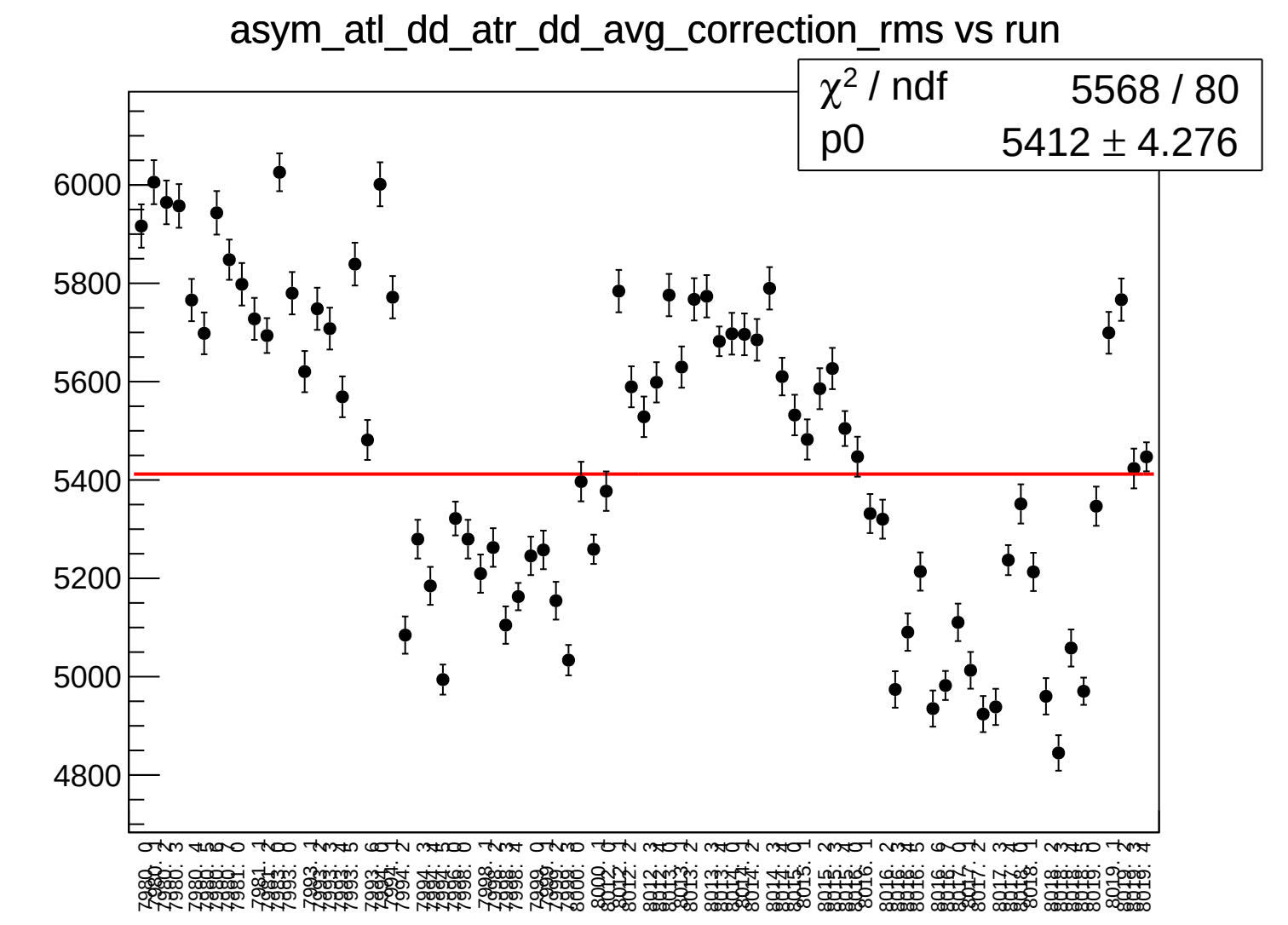

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 54.47 / 80
p0 −3908 ± 1477
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 372.2
Std Dev 331.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

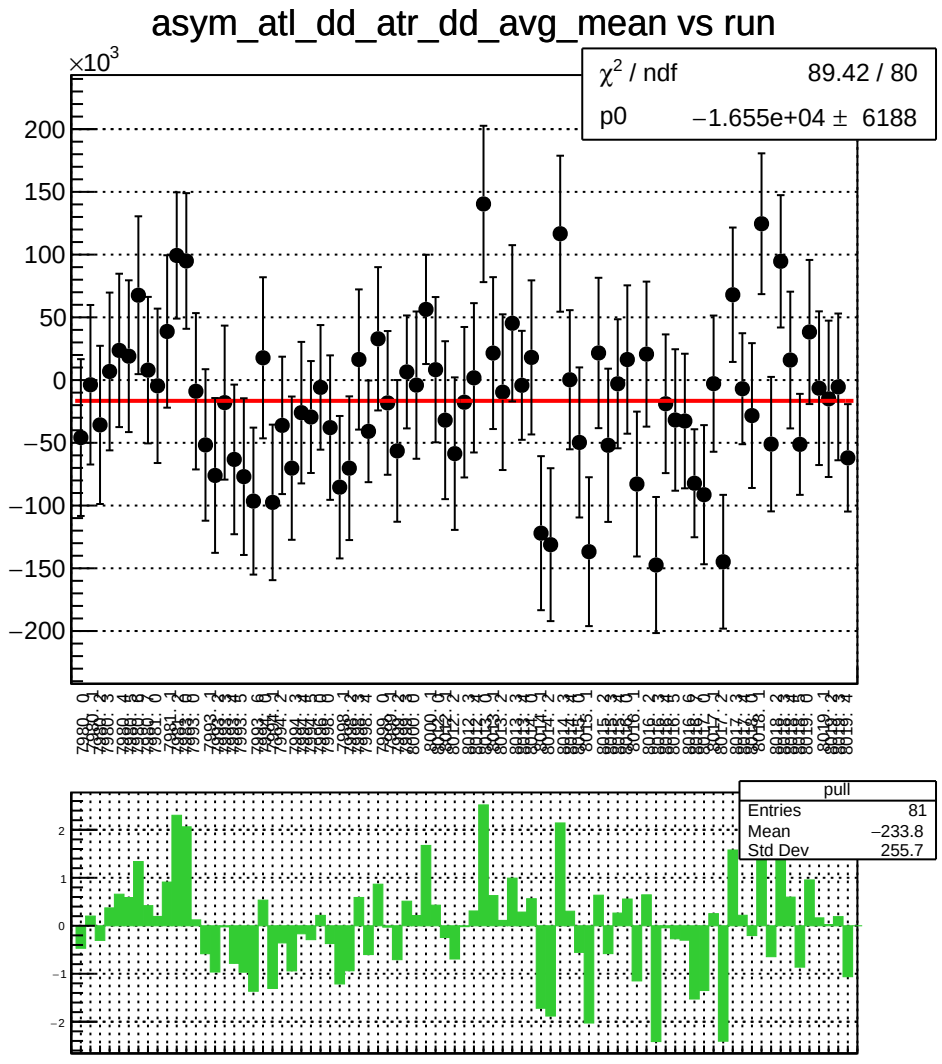

pull1D
Entries 81
Mean −0.008637
Std Dev 0.82
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

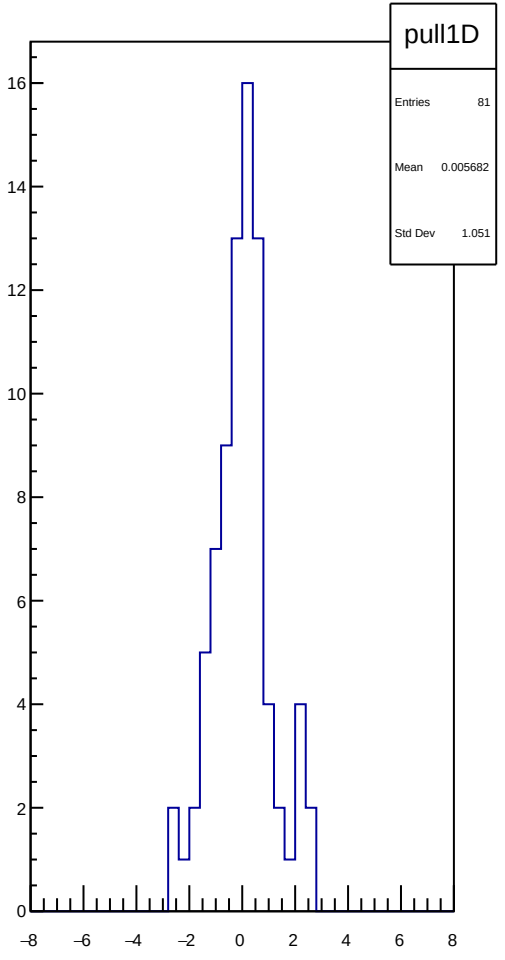

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 241.3 / 80
p0 1324 ± 1.044
1360
1340
1320
1300
1280

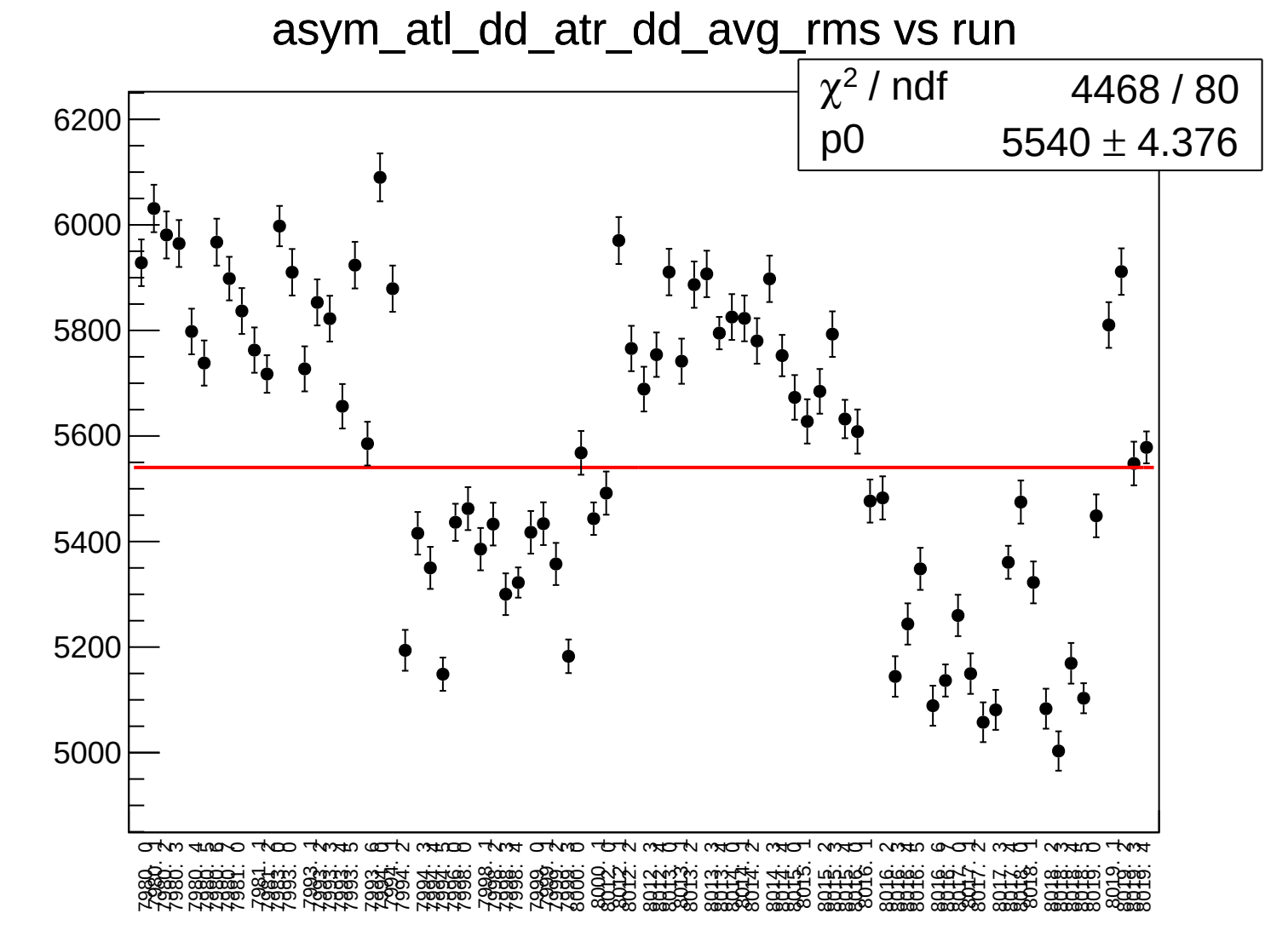

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 86.88 / 80
p0 1.284e+04 ± 6047
pull
Entries 81
Mean −53.53
Std Dev 52.97

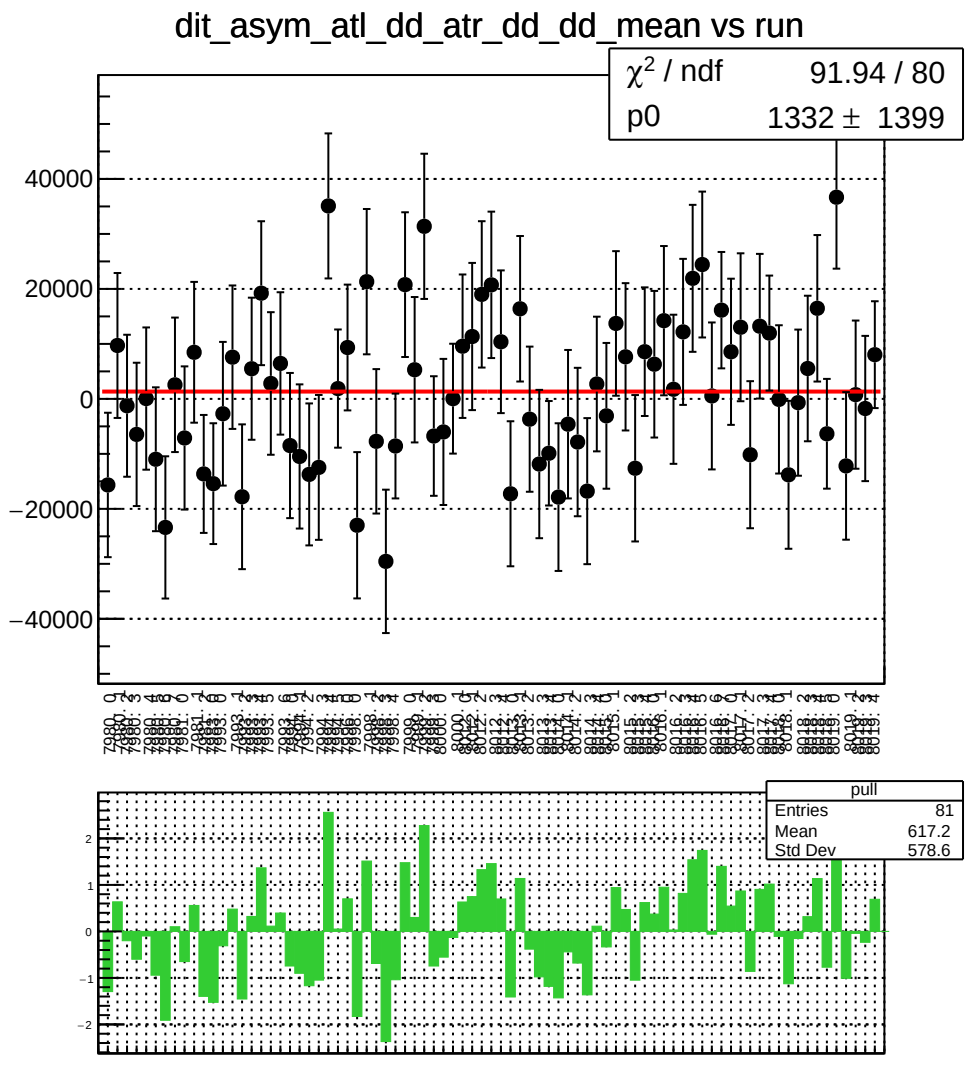

pull1D
Entries 81
Mean −0.009502
Std Dev 1.036

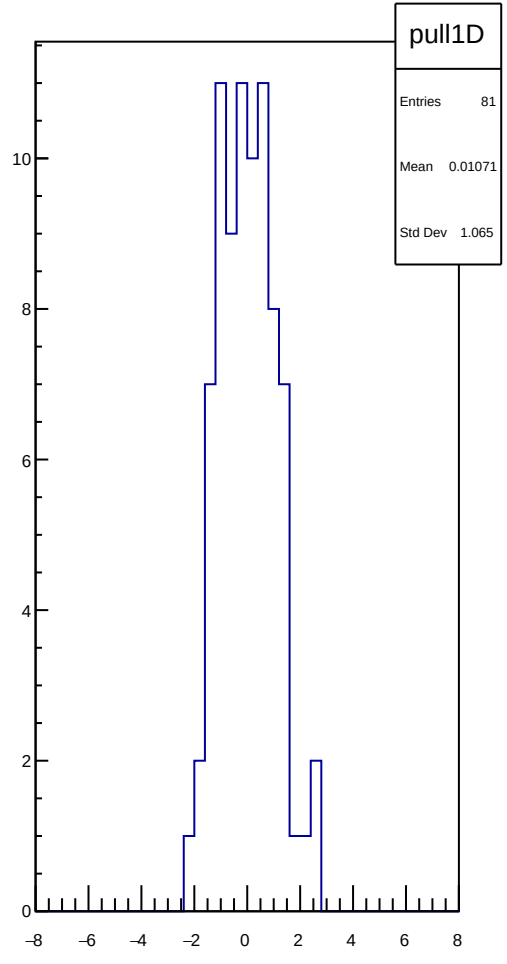

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 5568 / 80
p0 5412 ± 4.276
6000
5800
5600
5400
5200
5000
4800

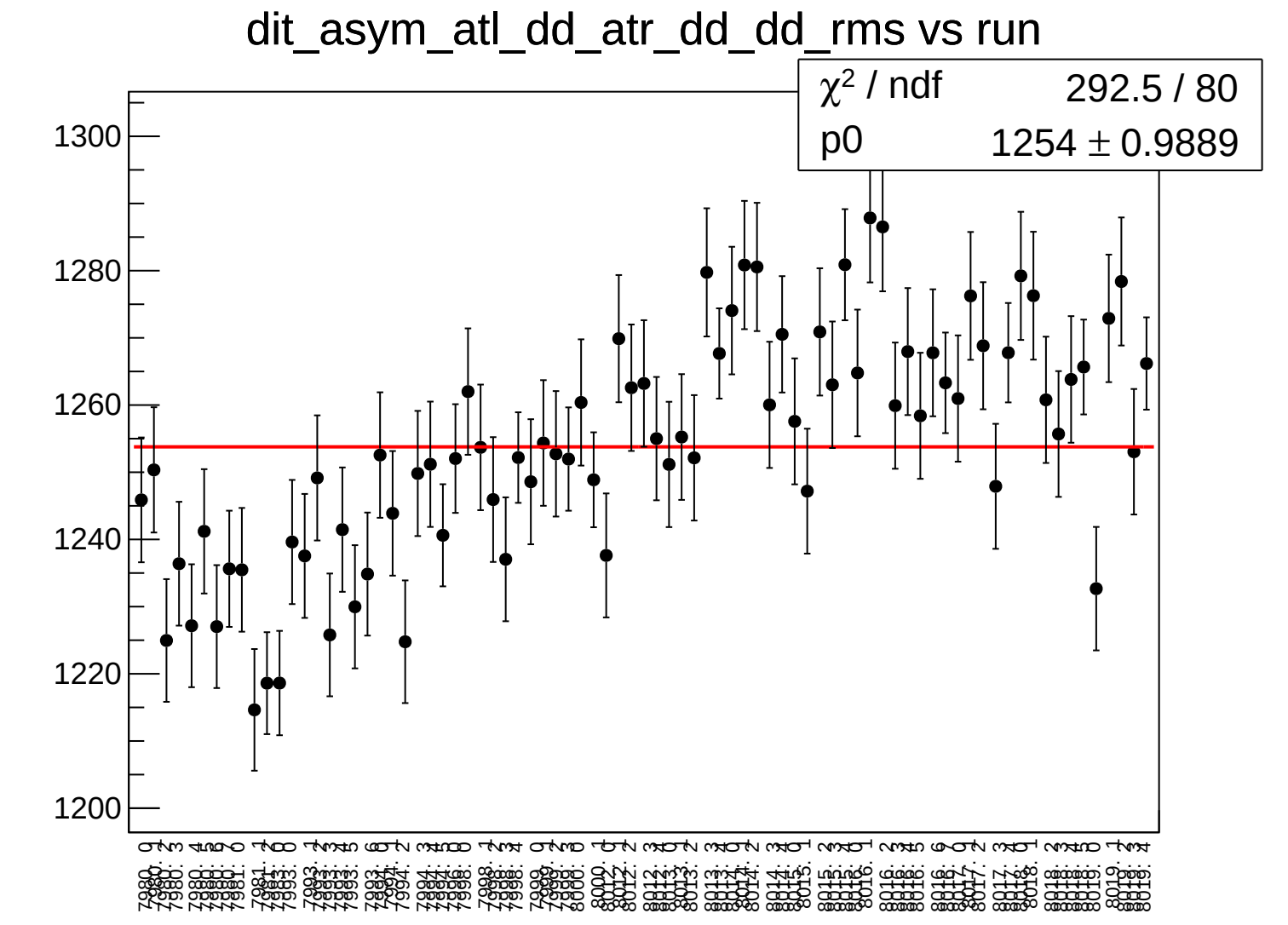

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 89.42 / 80
p0 −1.655e+04 ± 6188
pull
Entries 81
Mean −233.8
Std Dev 255.7

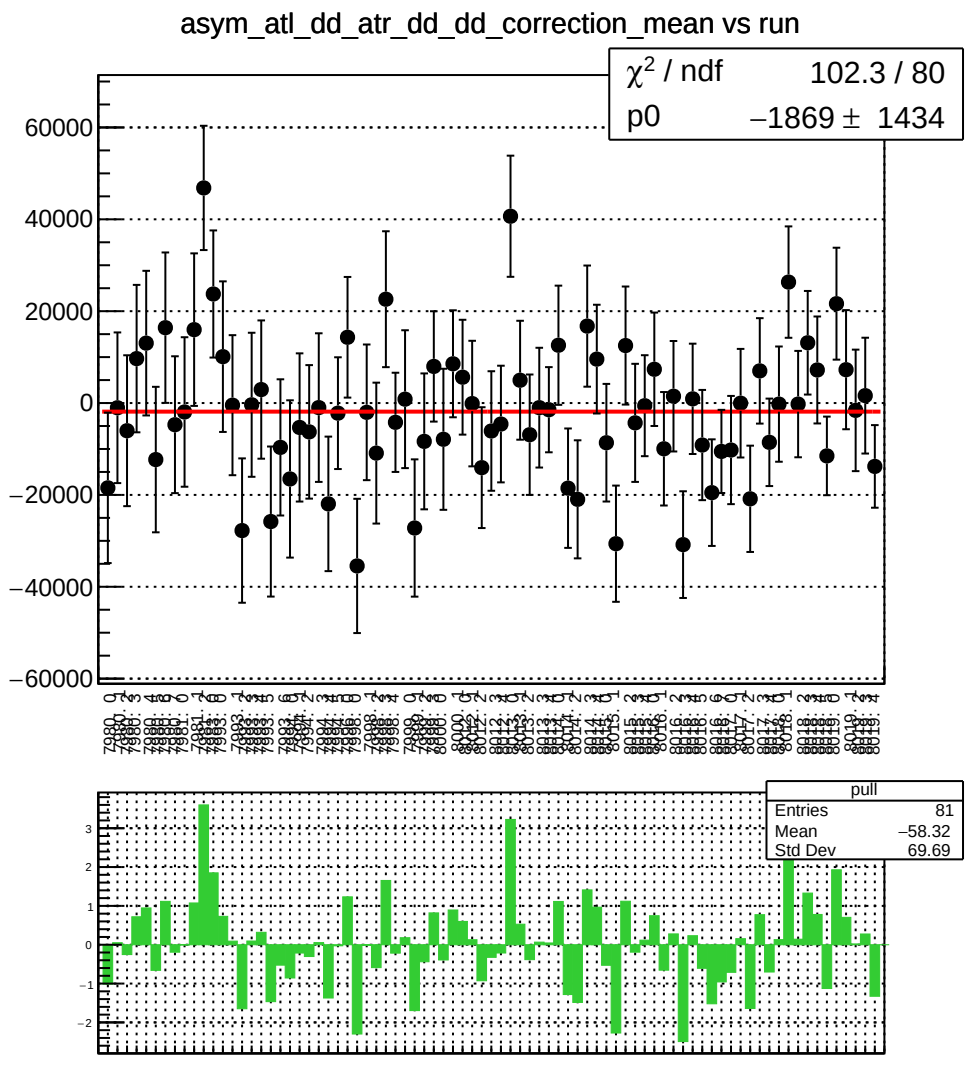

pull1D
Entries 81
Mean 0.005682
Std Dev 1.051

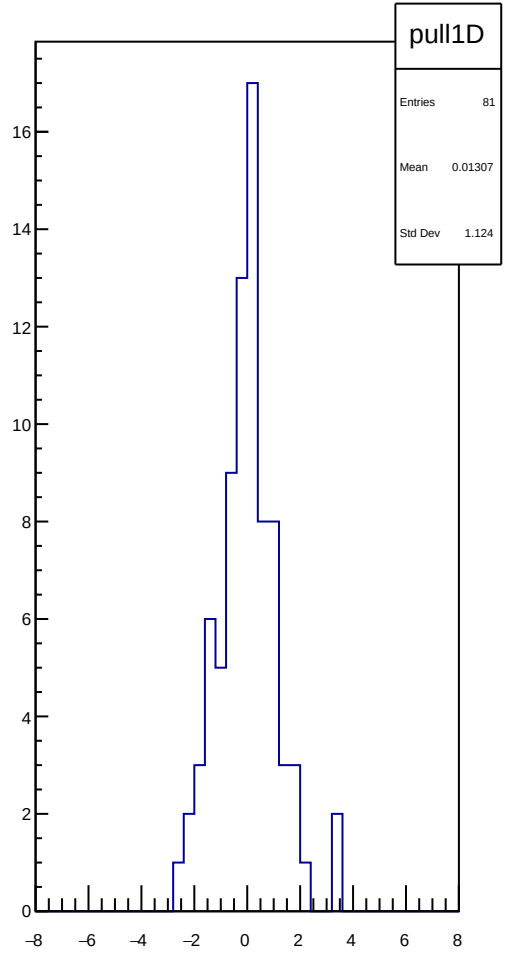

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 4468 / 80
p0 5540 ± 4.376
6200
6000
5800
5600
5400
5200
5000

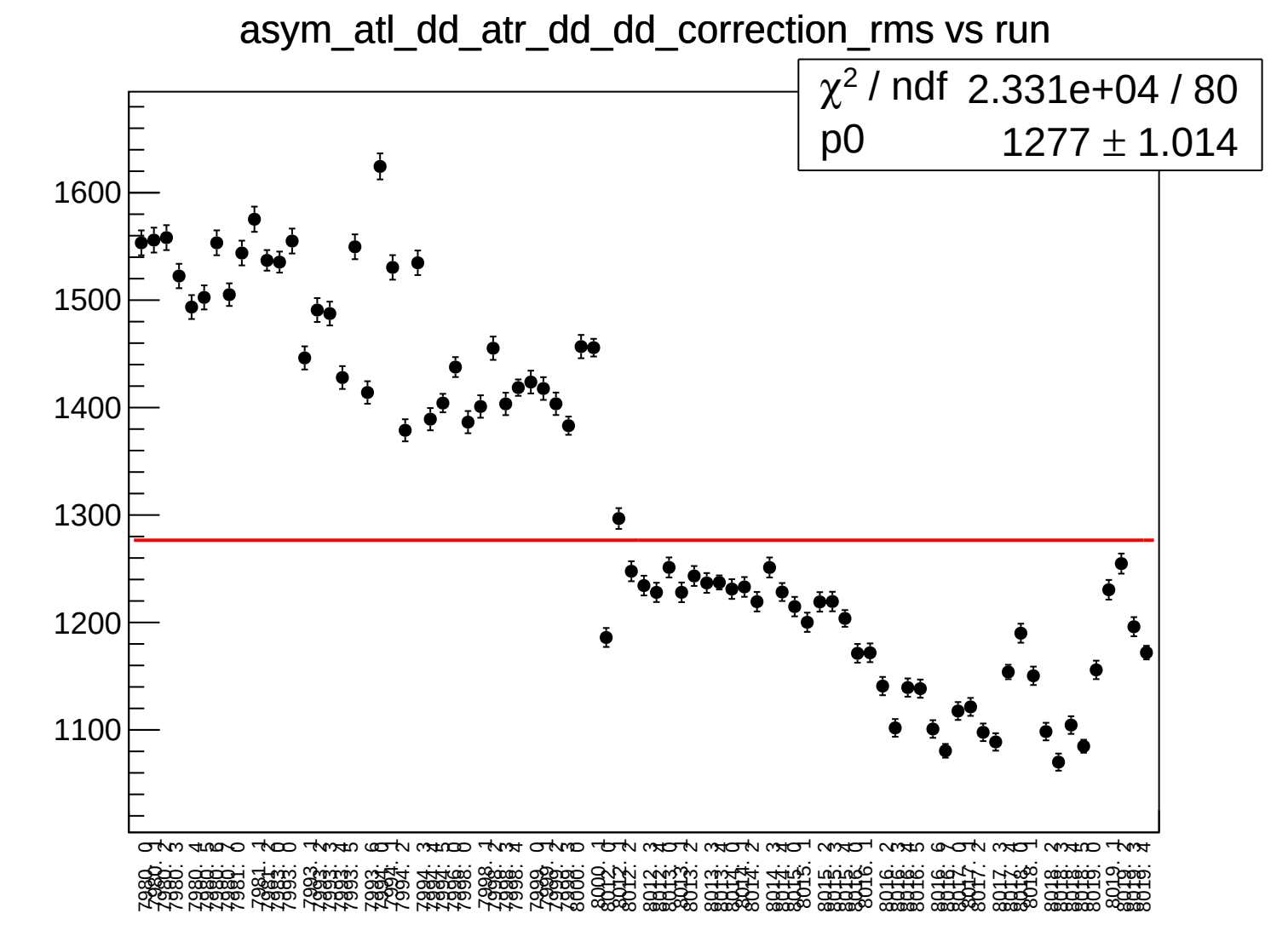

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.94 / 80
p0 1332 ± 1399
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 617.2
Std Dev 578.6
2
1
0
−1
−2

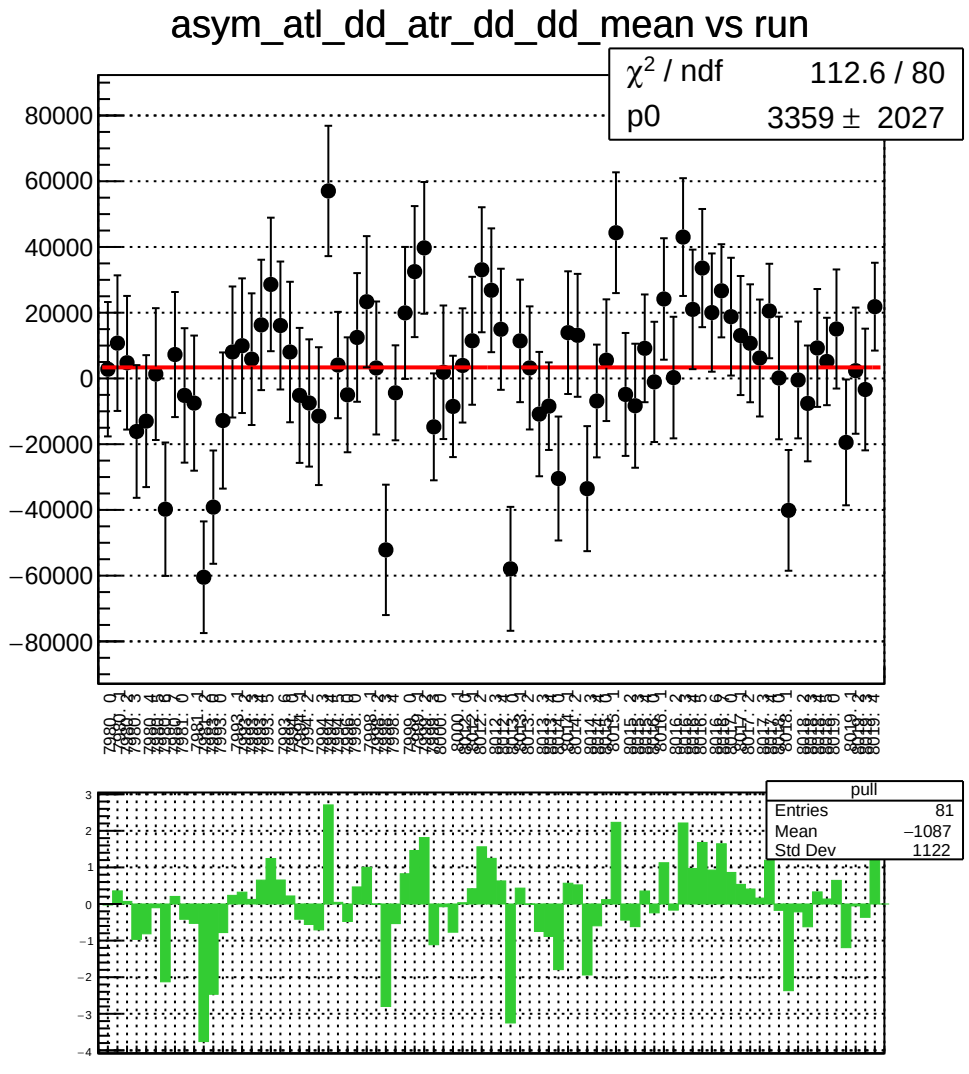

pull1D
Entries 81
Mean 0.01071
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

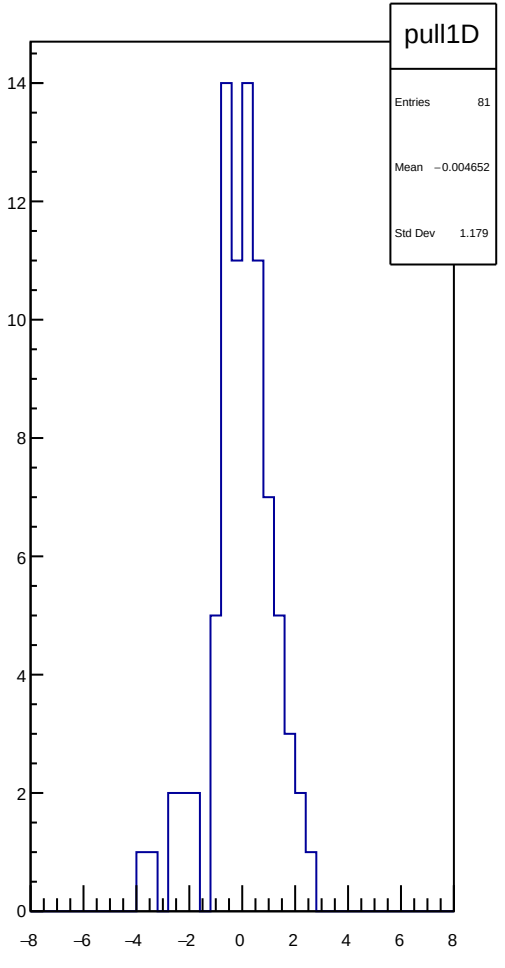

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 292.5 / 80
p0 1254 ± 0.9889
1300
1280
1260
1240
1220
1200

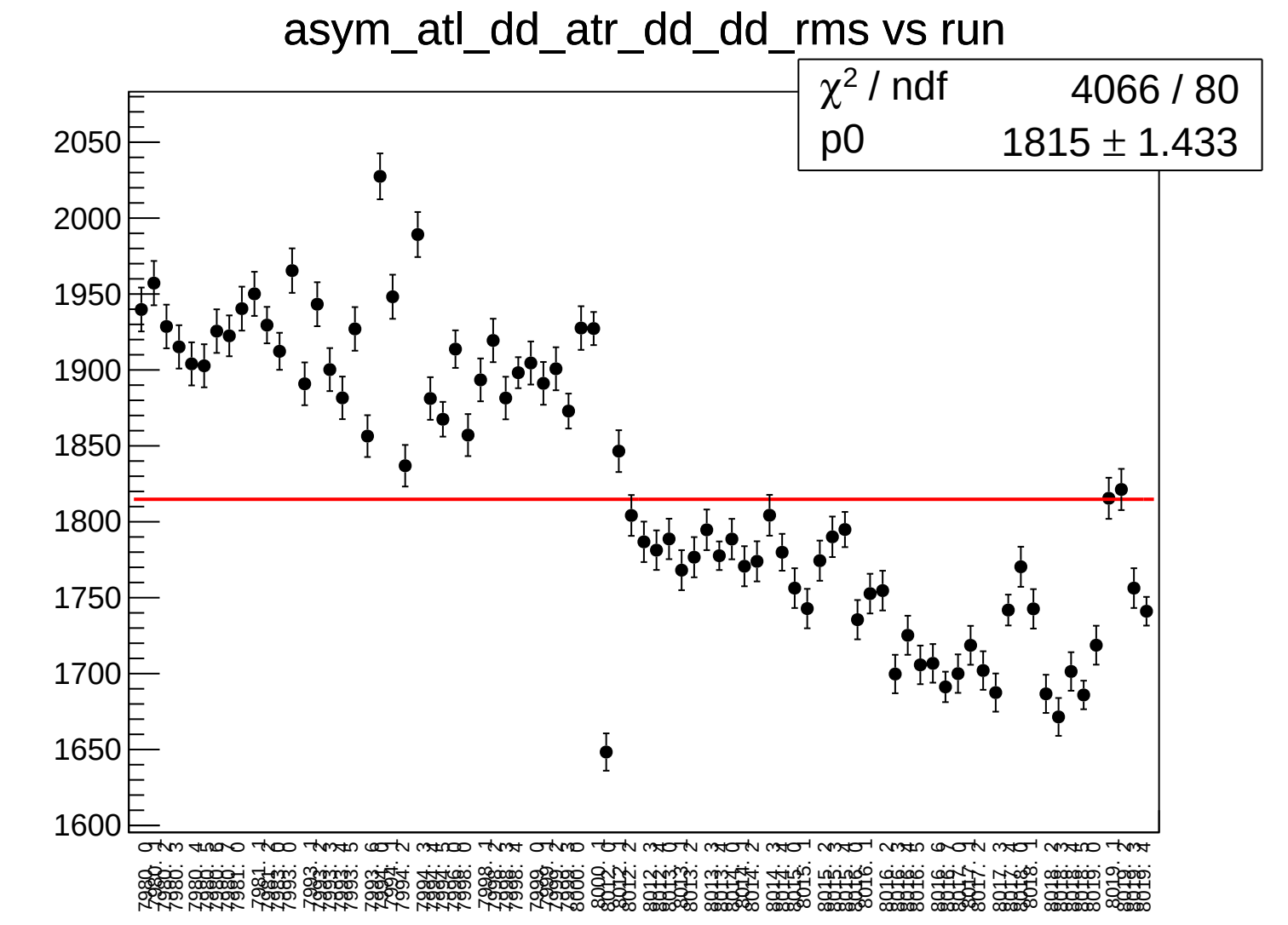

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 102.3 / 80
p0 −1869 ± 1434
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −58.32
Std Dev 69.69
3
2
1
0
−1

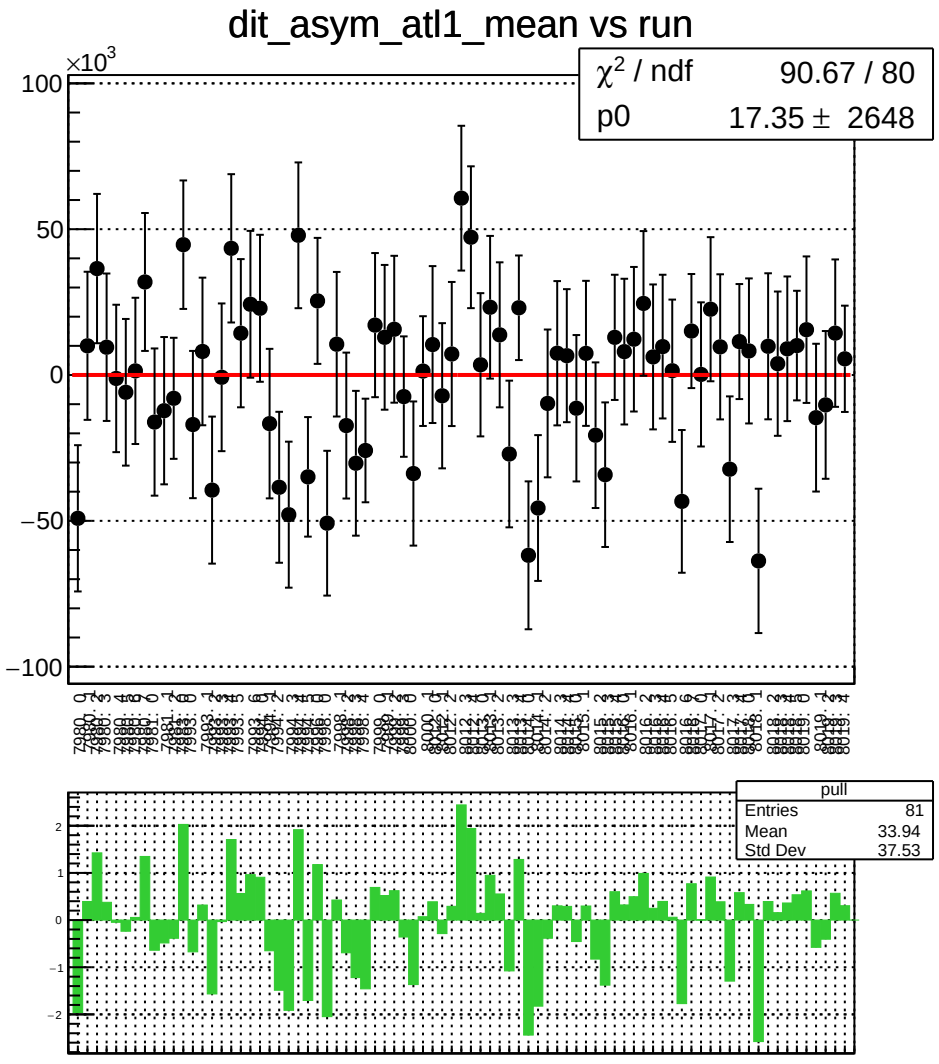

pull1D
Entries 81
Mean 0.01307
Std Dev 1.124
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

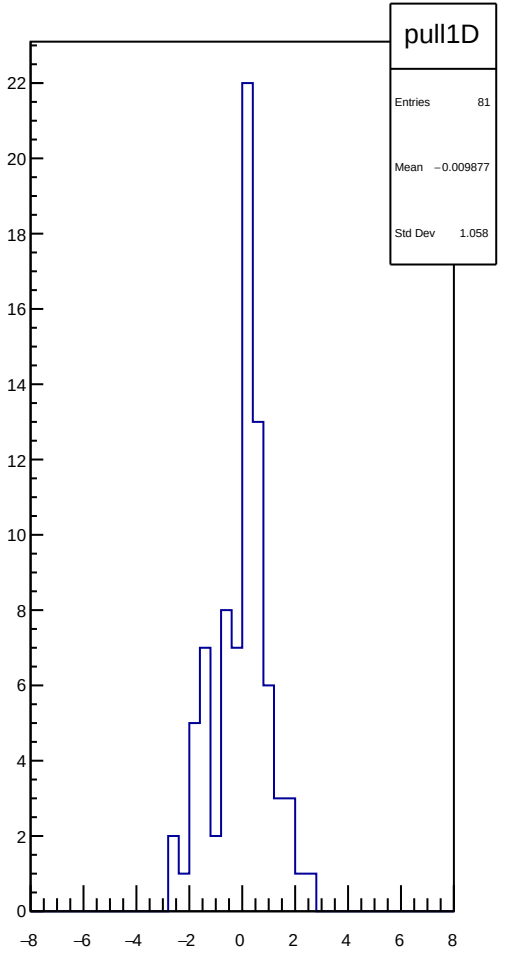

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2.331e+04 / 80
p0 1277 ± 1.014
1600
1500
1400
1300
1200
1100

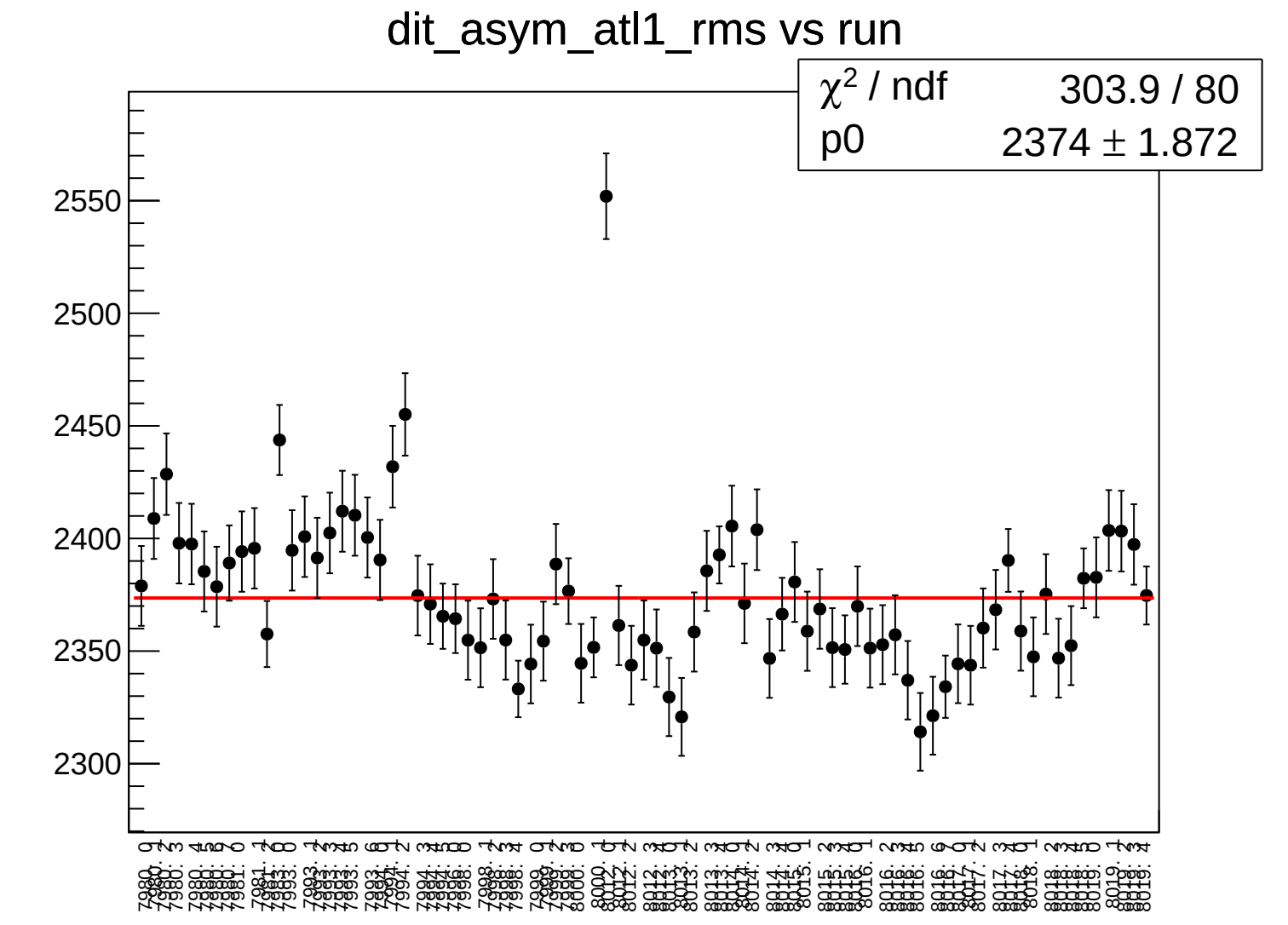

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 112.6 / 80
p0 3359 ± 2027
pull
Entries 81
Mean −1087
Std Dev 1122

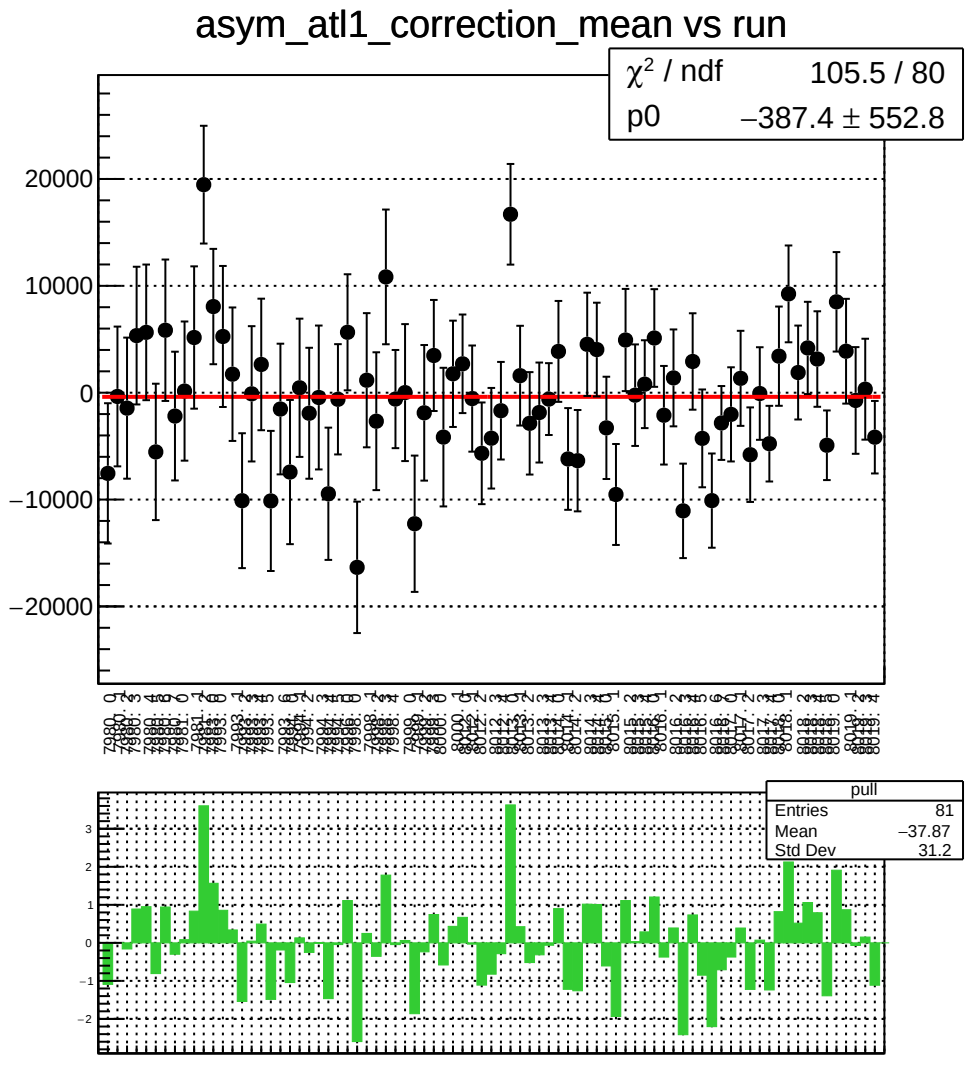

pull1D
Entries 81
Mean −0.004652
Std Dev 1.179

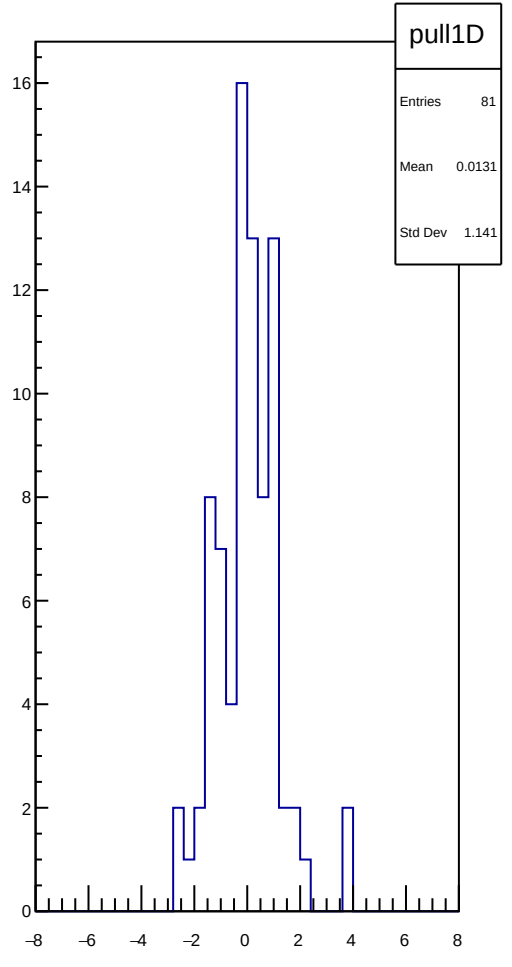

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4066 / 80
p0 1815 ± 1.433
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

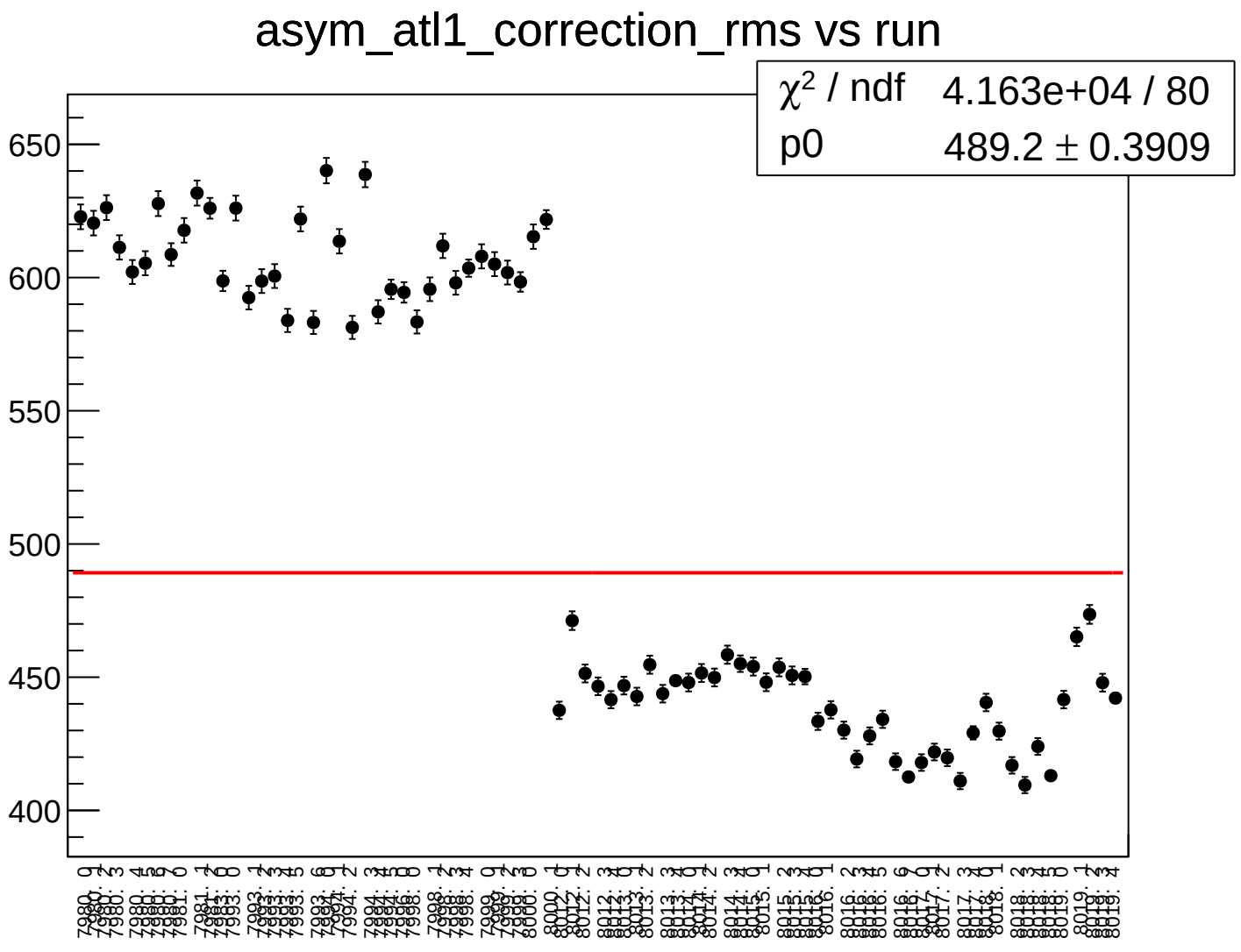

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 90.67 / 80
p0 17.35 ± 2648
pull
Entries 81
Mean 33.94
Std Dev 37.53

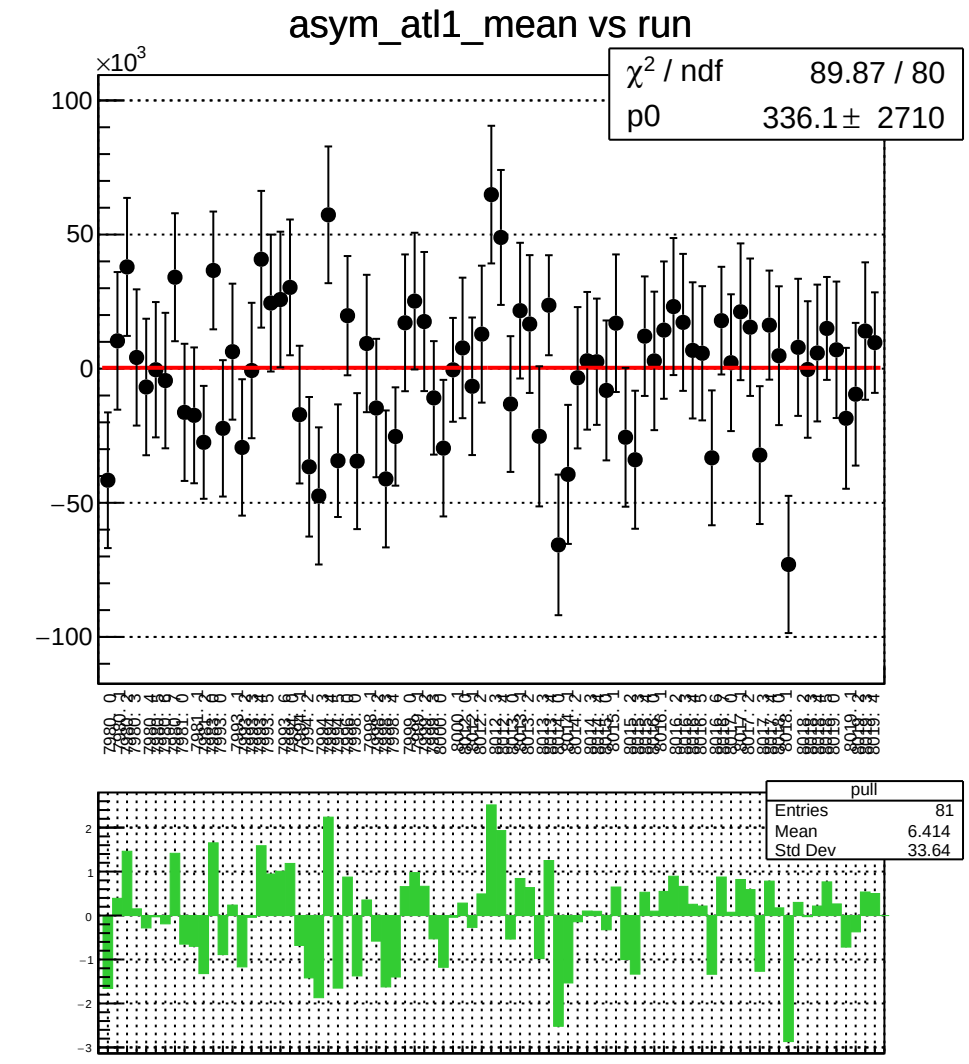

pull1D
Entries 81
Mean −0.009877
Std Dev 1.058

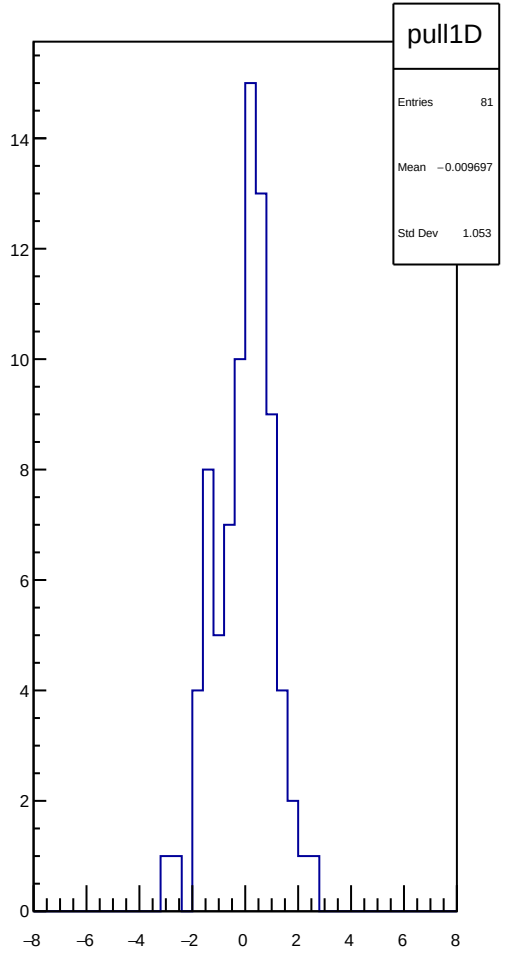

dit_asym_atl1_rms vs run
χ² / ndf 303.9 / 80
p0 2374 ± 1.872
2550
2500
2450
2400
2350
2300

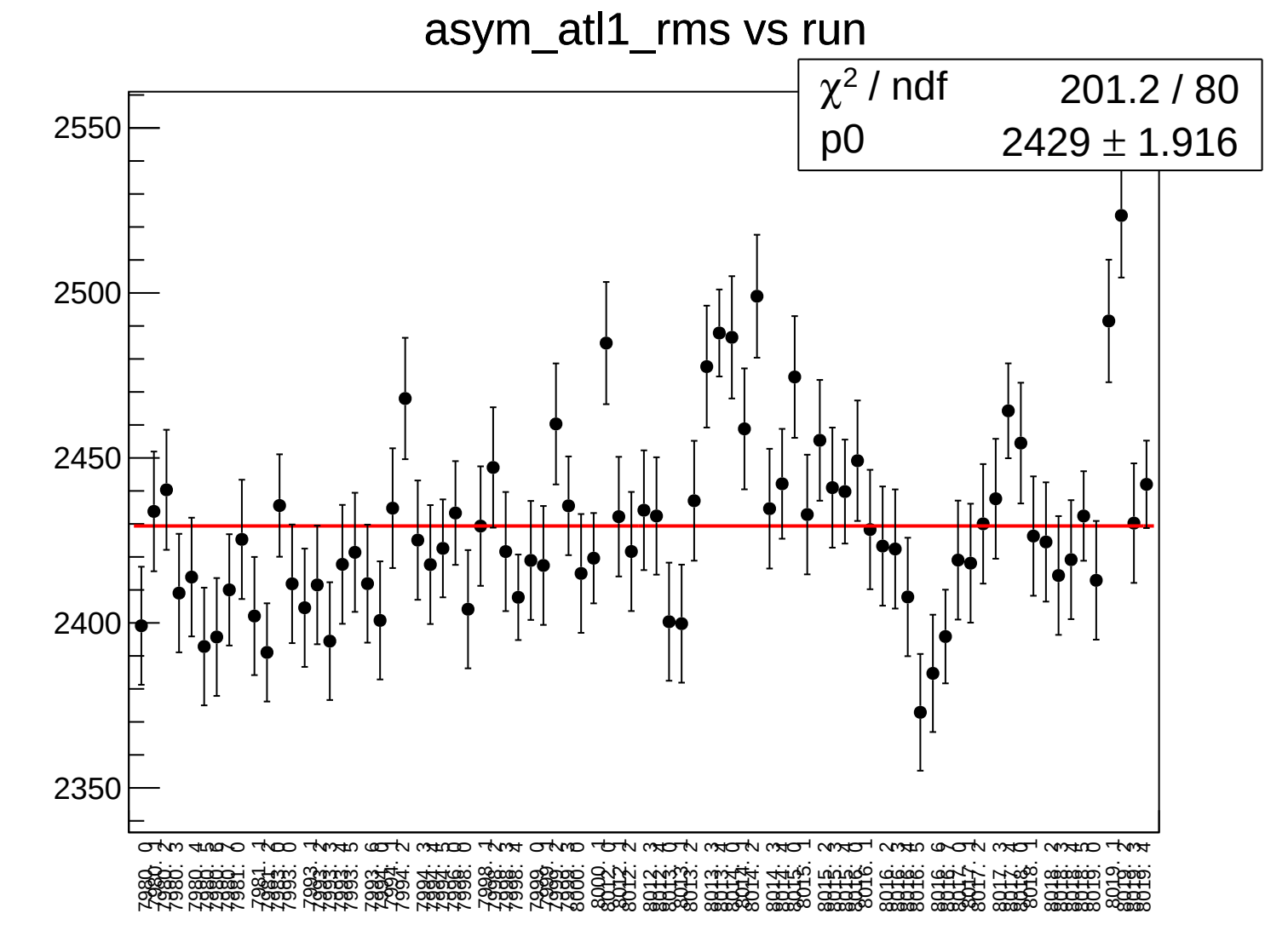

asym_atl1_correction_mean vs run
χ² / ndf 105.5 / 80
p0 −387.4 ± 552.8
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −37.87
Std Dev 31.2
3
2
1
0
−1
−2

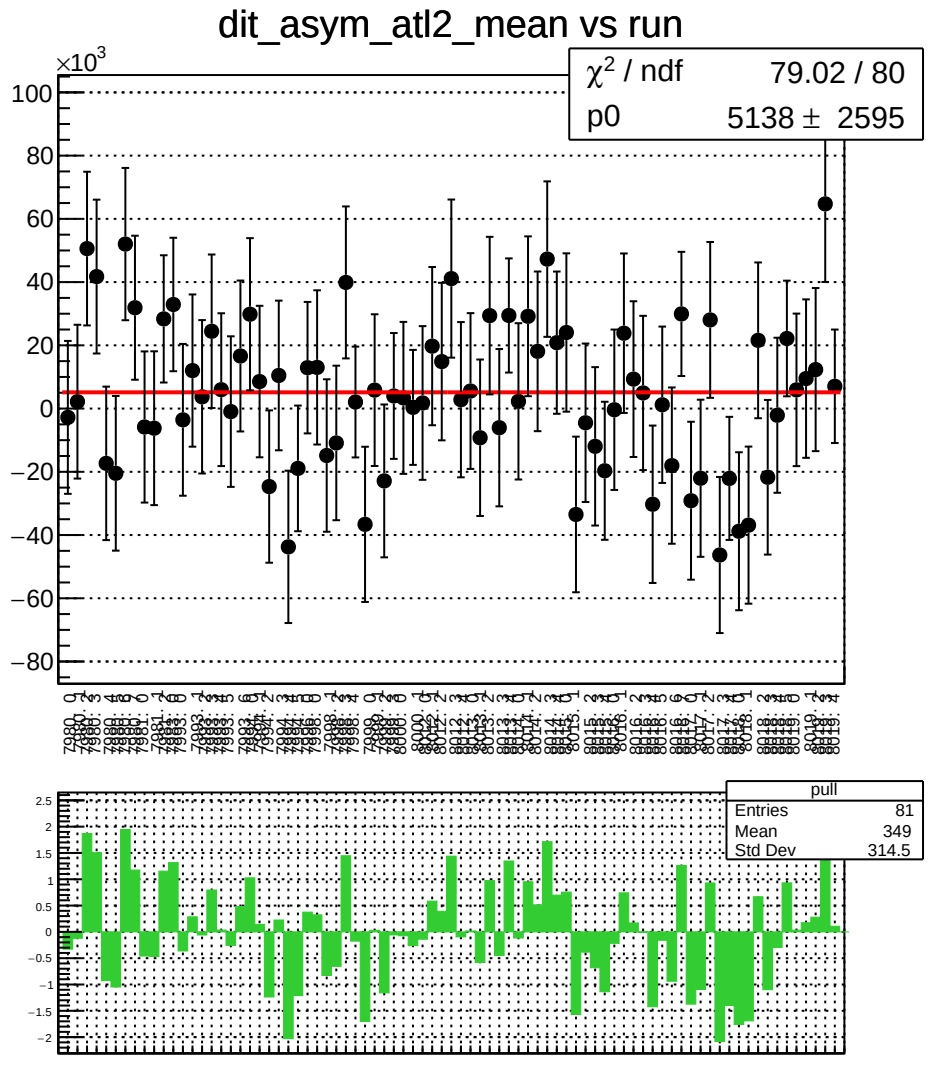

pull1D
Entries 81
Mean 0.0131
Std Dev 1.141
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

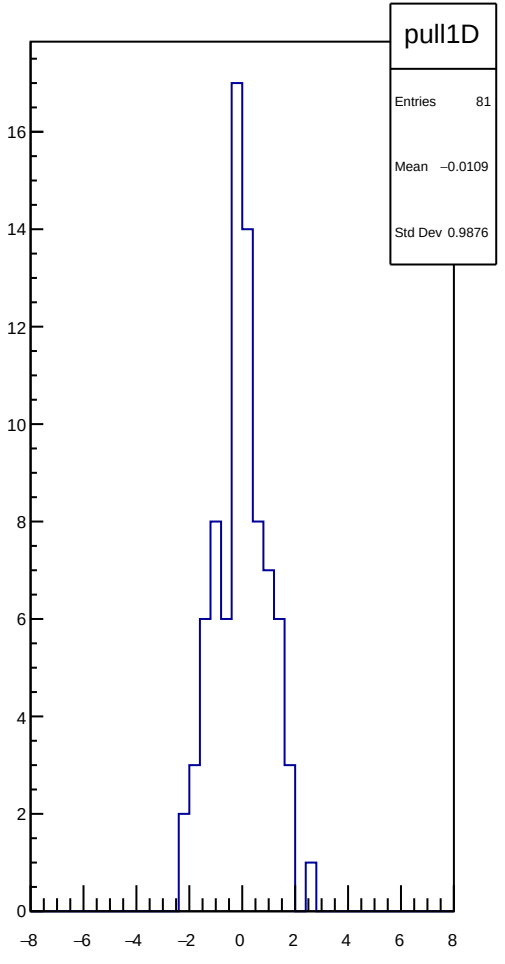

asym_atl1_correction_rms vs run
χ² / ndf 4.163e+04 / 80
p0 489.2 ± 0.3909
650
600
550
500
450
400

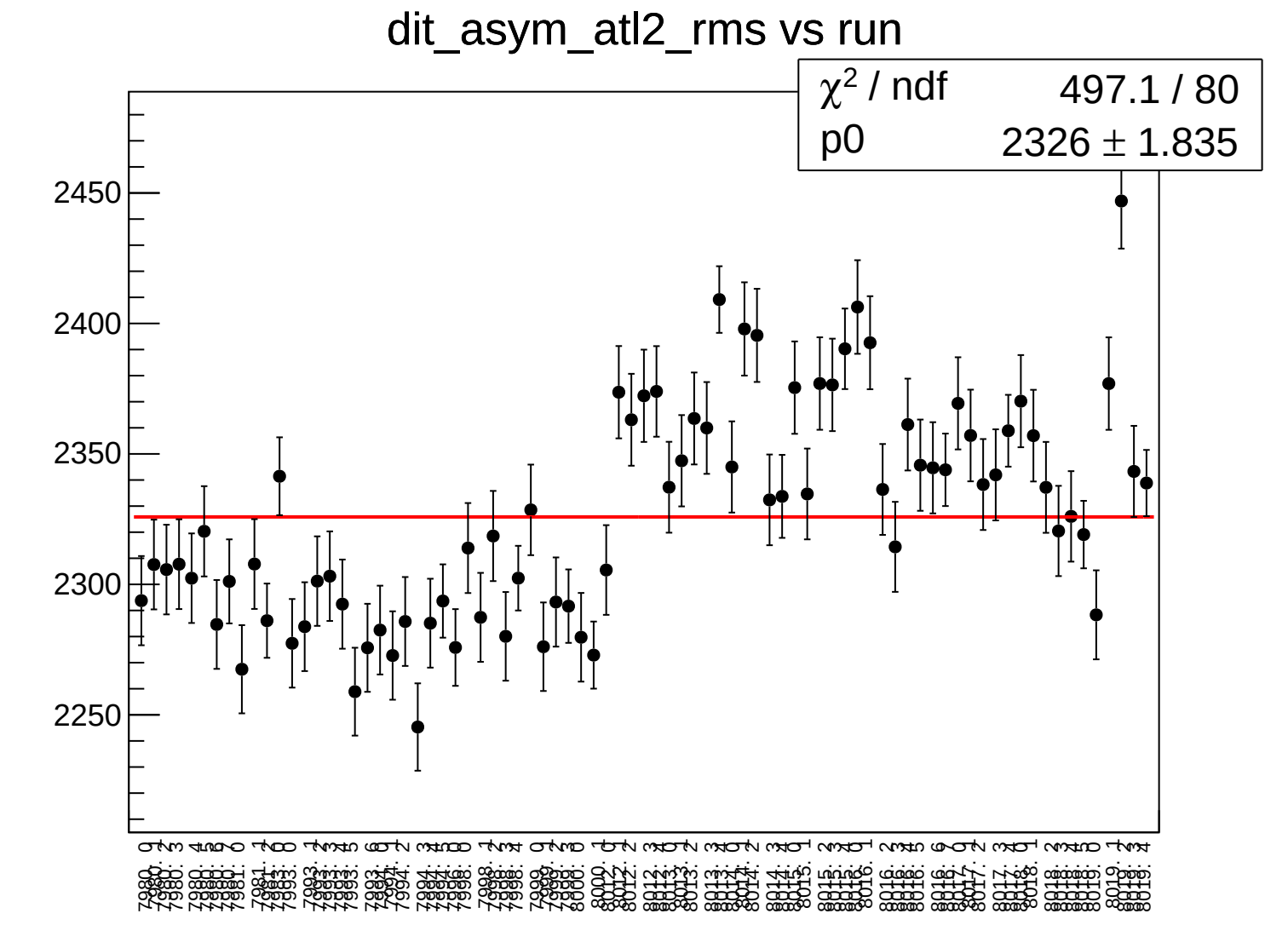

asym_atl1_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 89.87 / 80
p0 336.1 ± 2710
pull
Entries 81
Mean 6.414
Std Dev 33.64
2
1
0
−1
−2
−3

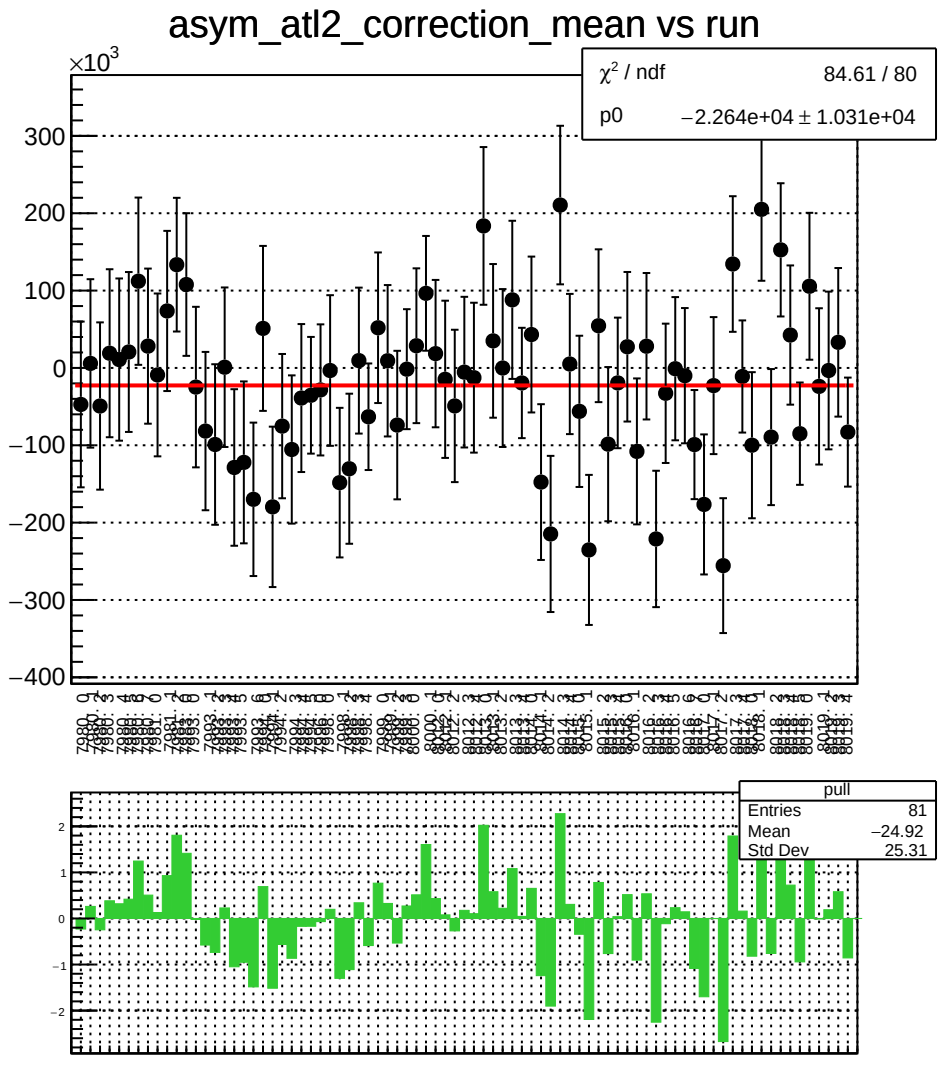

pull1D
Entries 81
Mean −0.009697
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

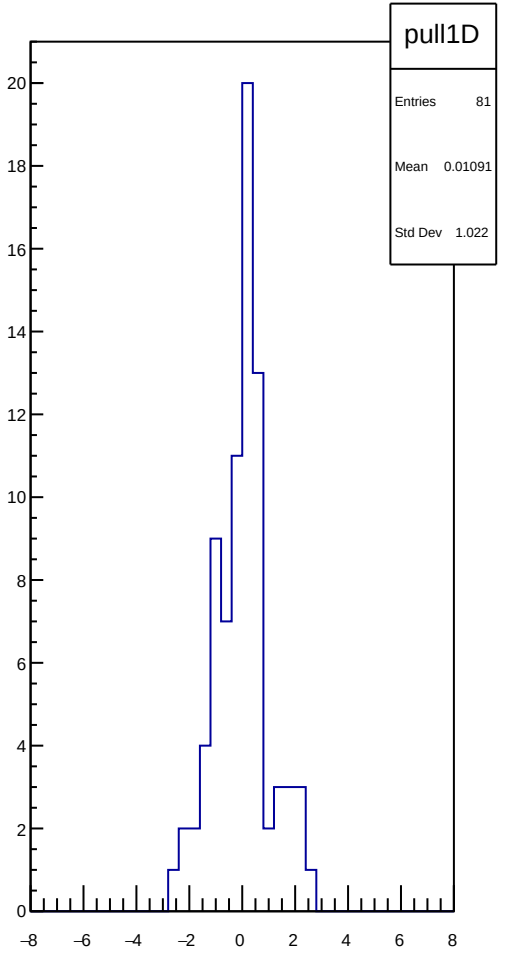

asym_atl1_rms vs run
χ^2 / ndf 201.2 / 80
p0 2429 ± 1.916
2550
2500
2450
2400
2350

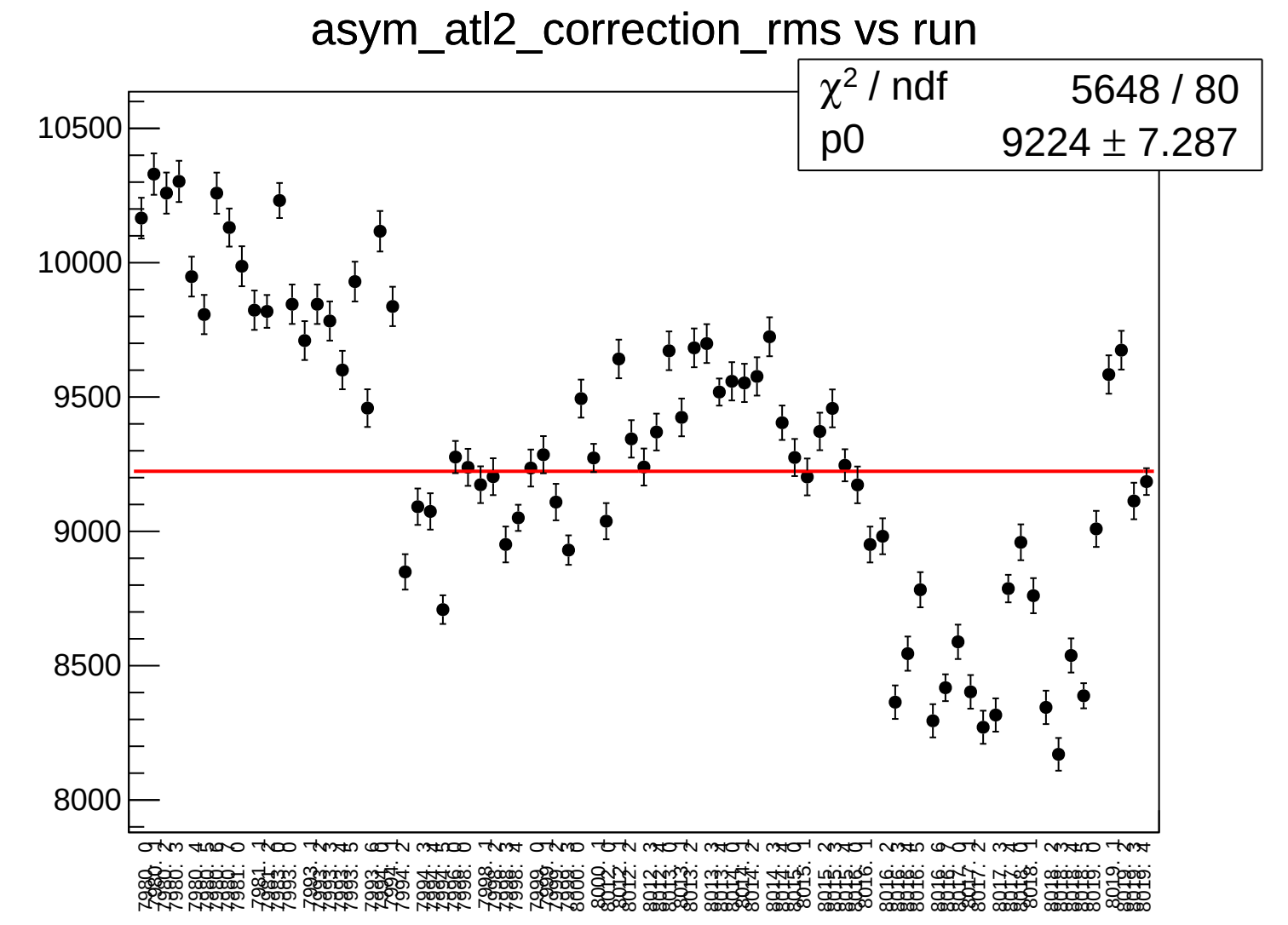

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 79.02 / 80
p0 5138 ± 2595
pull
Entries 81
Mean 349
Std Dev 314.5

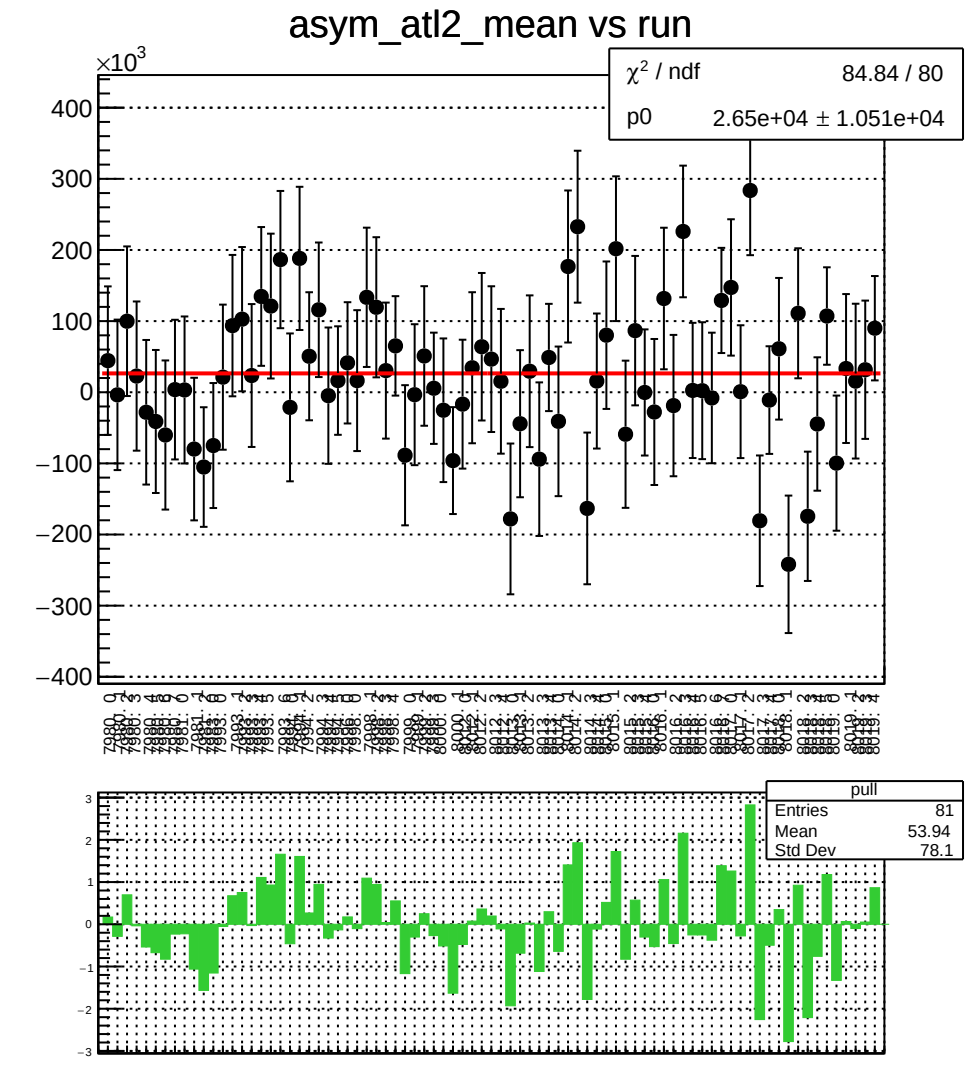

pull1D
Entries 81
Mean −0.0109
Std Dev 0.9876

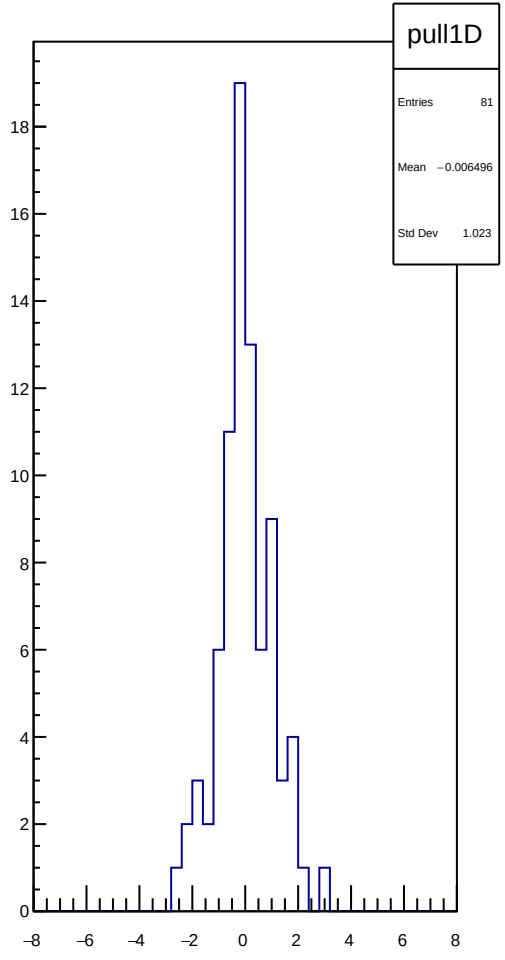

dit_asym_atl2_rms vs run
χ² / ndf 497.1 / 80
p0 2326 ± 1.835
2450
2400
2350
2300
2250

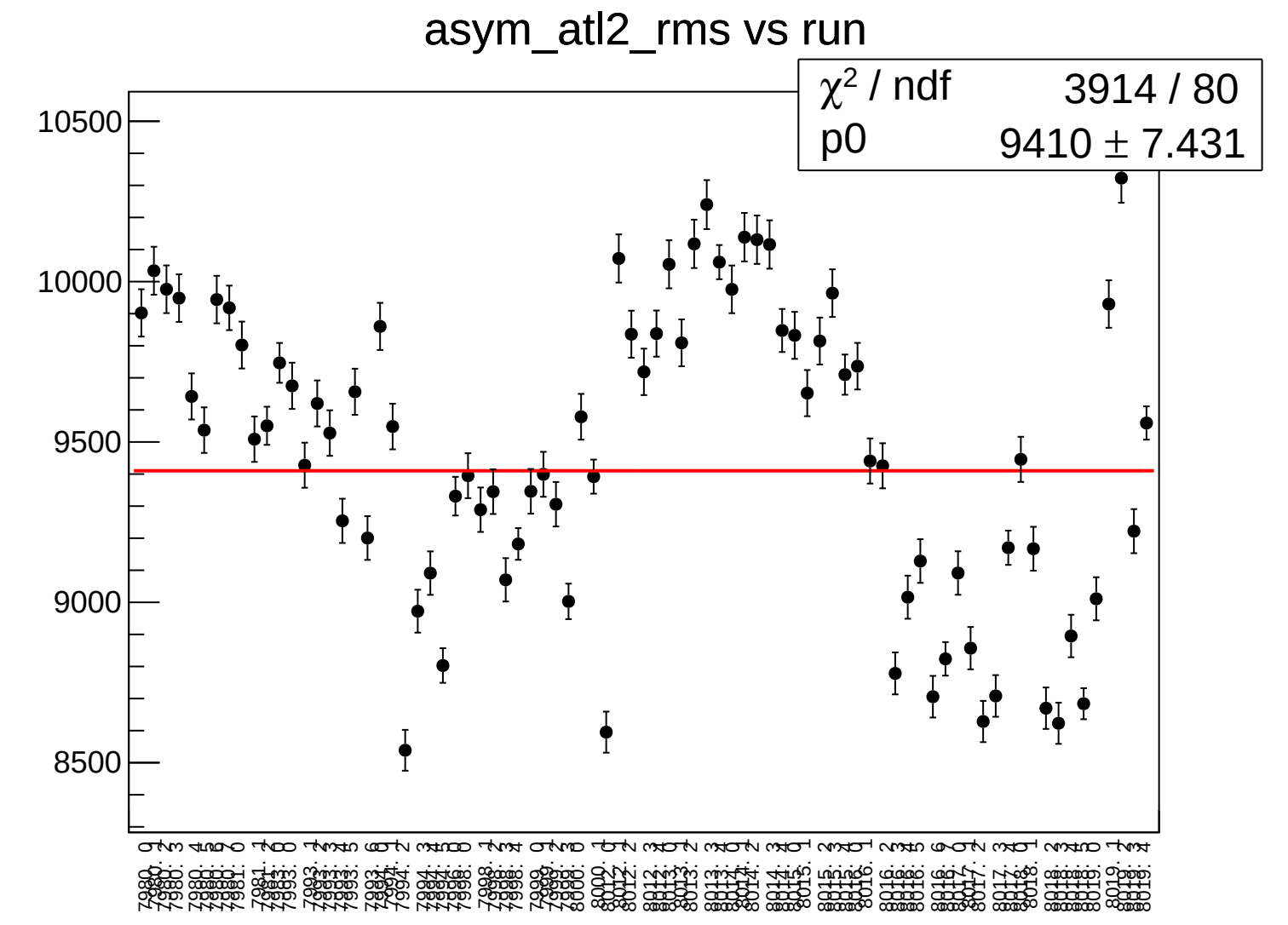

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 84.61 / 80
p0 −2.264e+04 ± 1.031e+04
pull
Entries 81
Mean −24.92
Std Dev 25.31

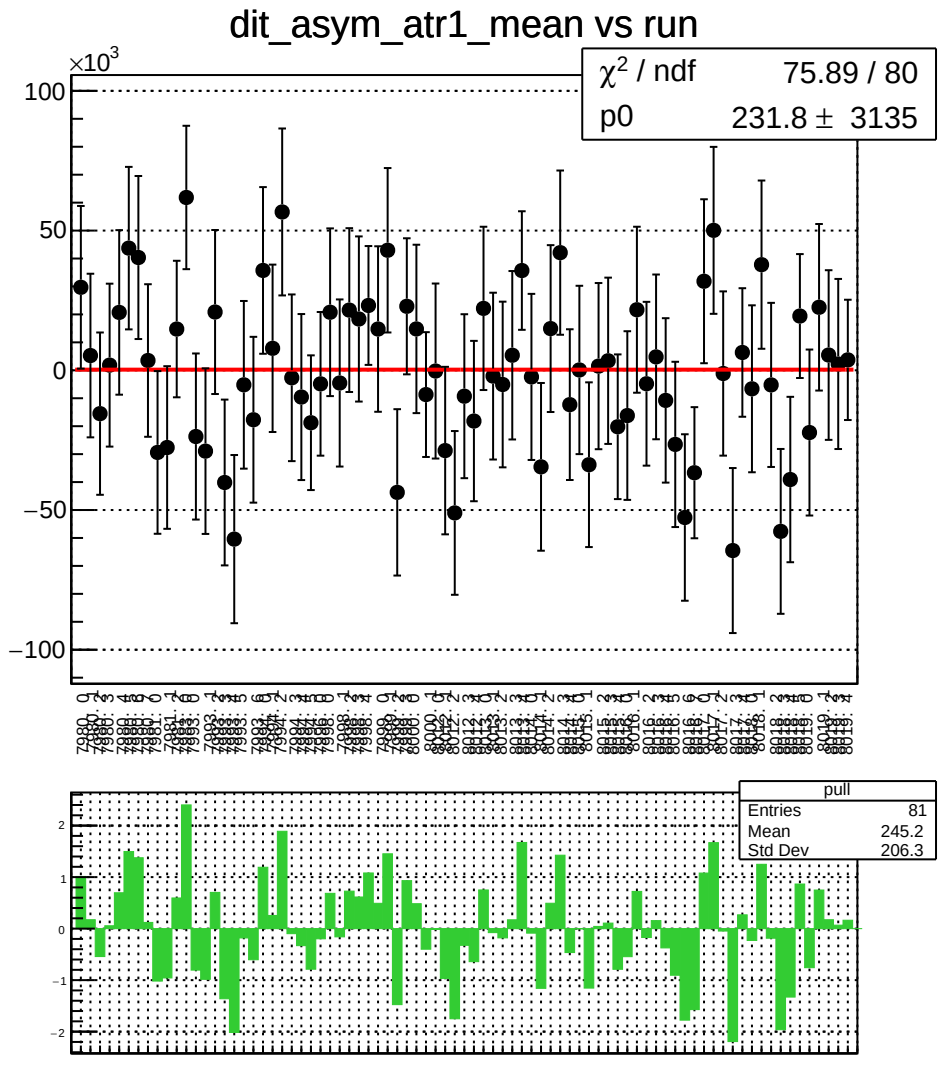

pull1D
Entries 81
Mean 0.01091
Std Dev 1.022

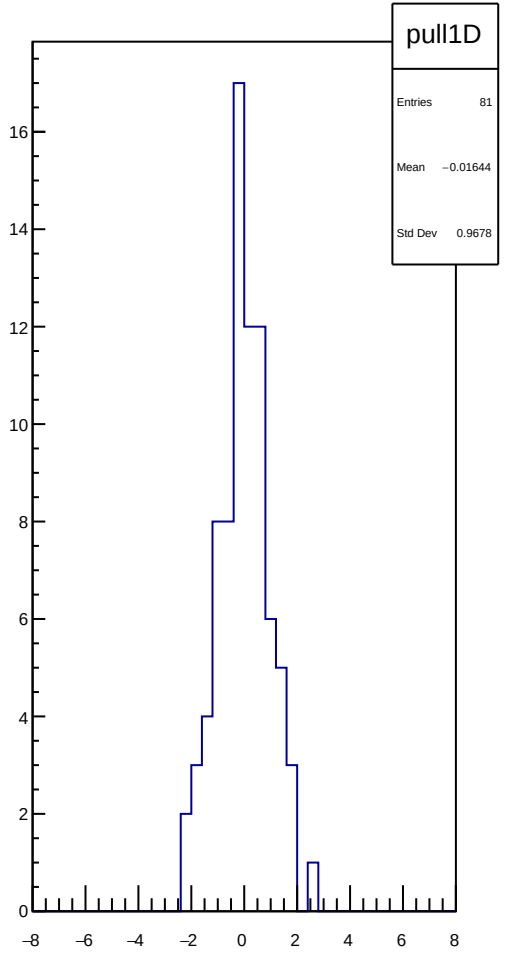

asym_atl2_correction_rms vs run
χ² / ndf 5648 / 80
p0 9224 ± 7.287
10500
10000
9500
9000
8500
8000

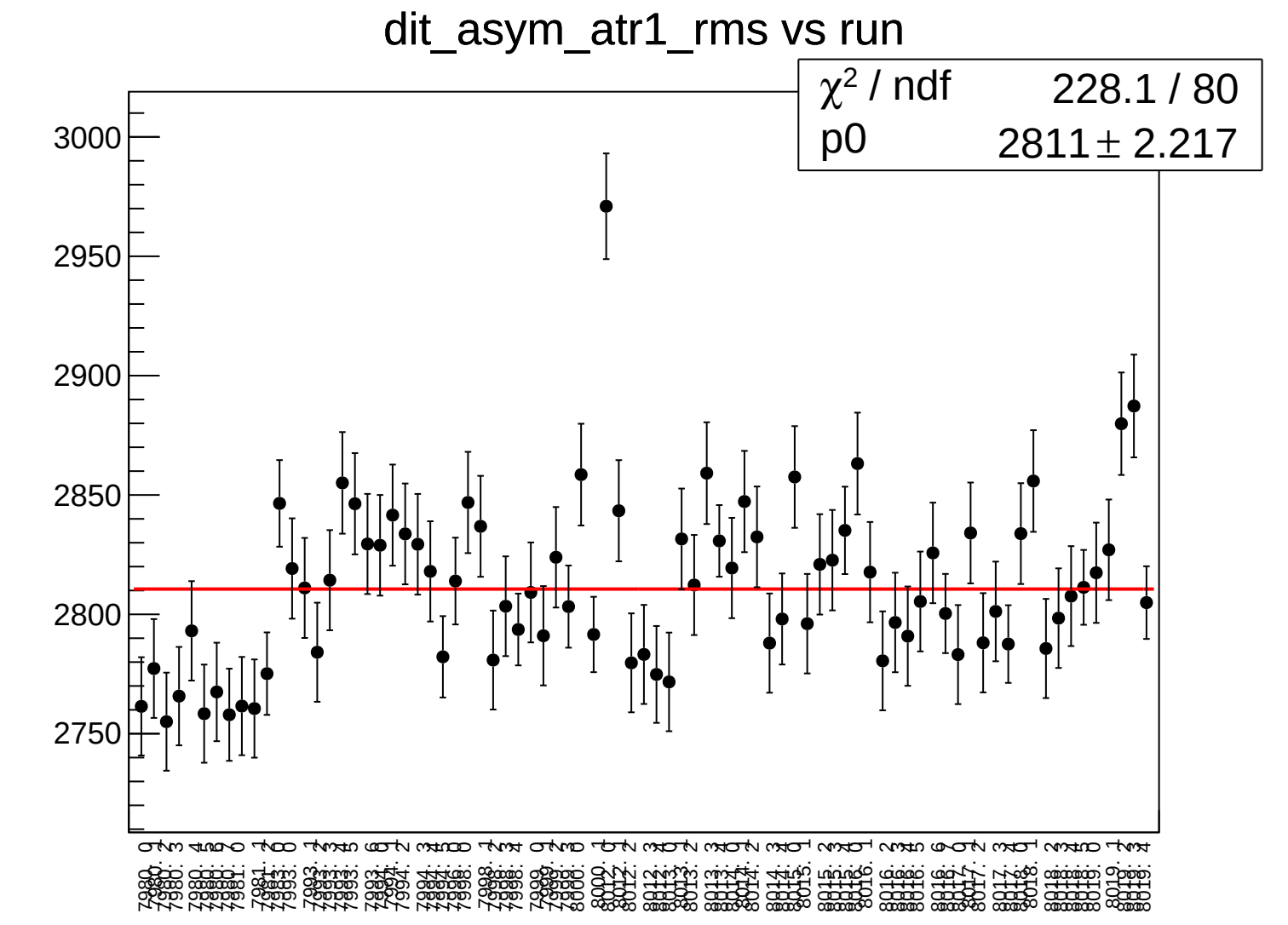

asym_atl2_mean vs run
×10^3
χ² / ndf 84.84 / 80
p0 2.65e+04 ± 1.051e+04
pull
Entries 81
Mean 53.94
Std Dev 78.1

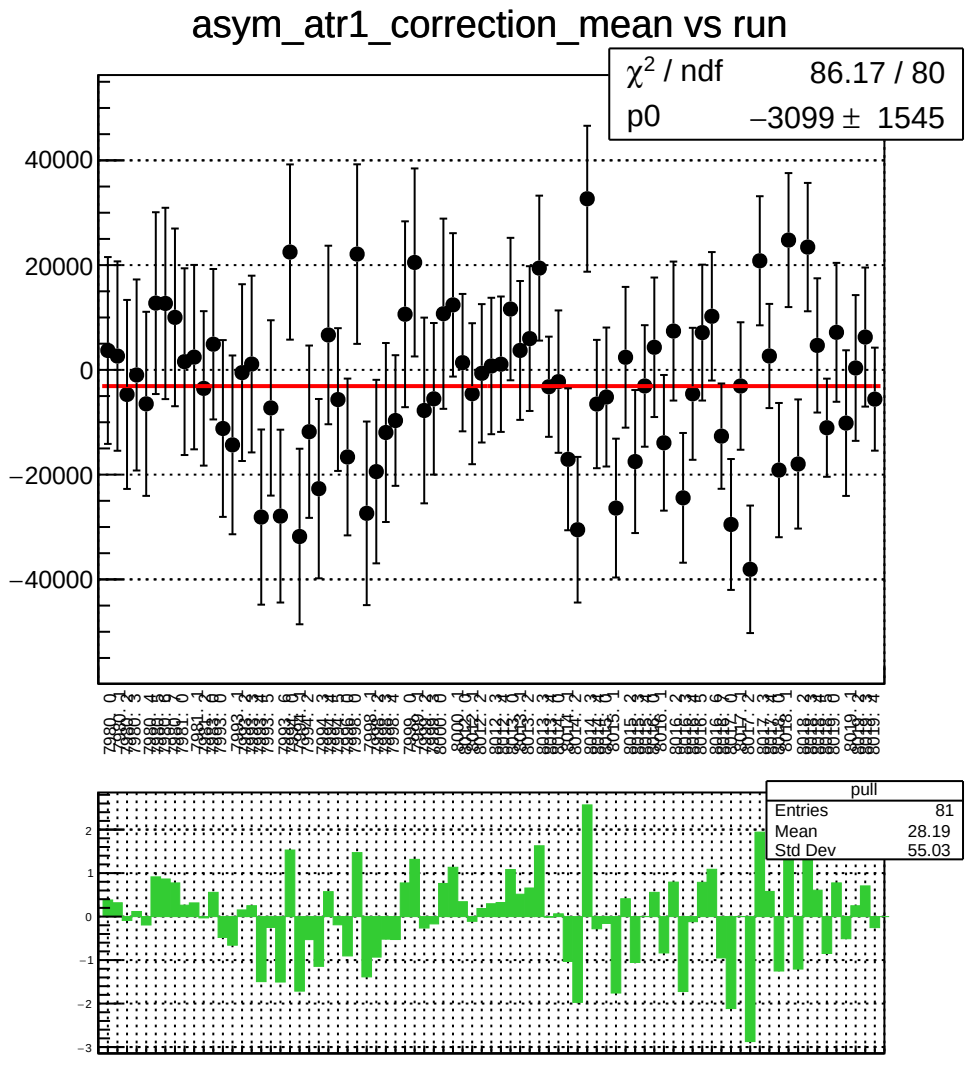

pull1D
Entries 81
Mean −0.006496
Std Dev 1.023

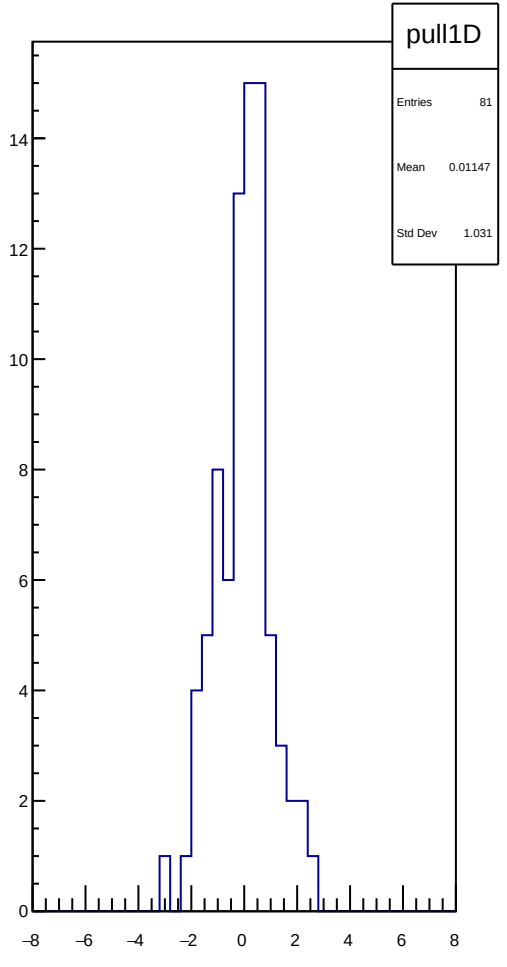

asym_atl2_rms vs run
χ² / ndf 3914 / 80
p0 9410 ± 7.431
10500
10000
9500
9000
8500

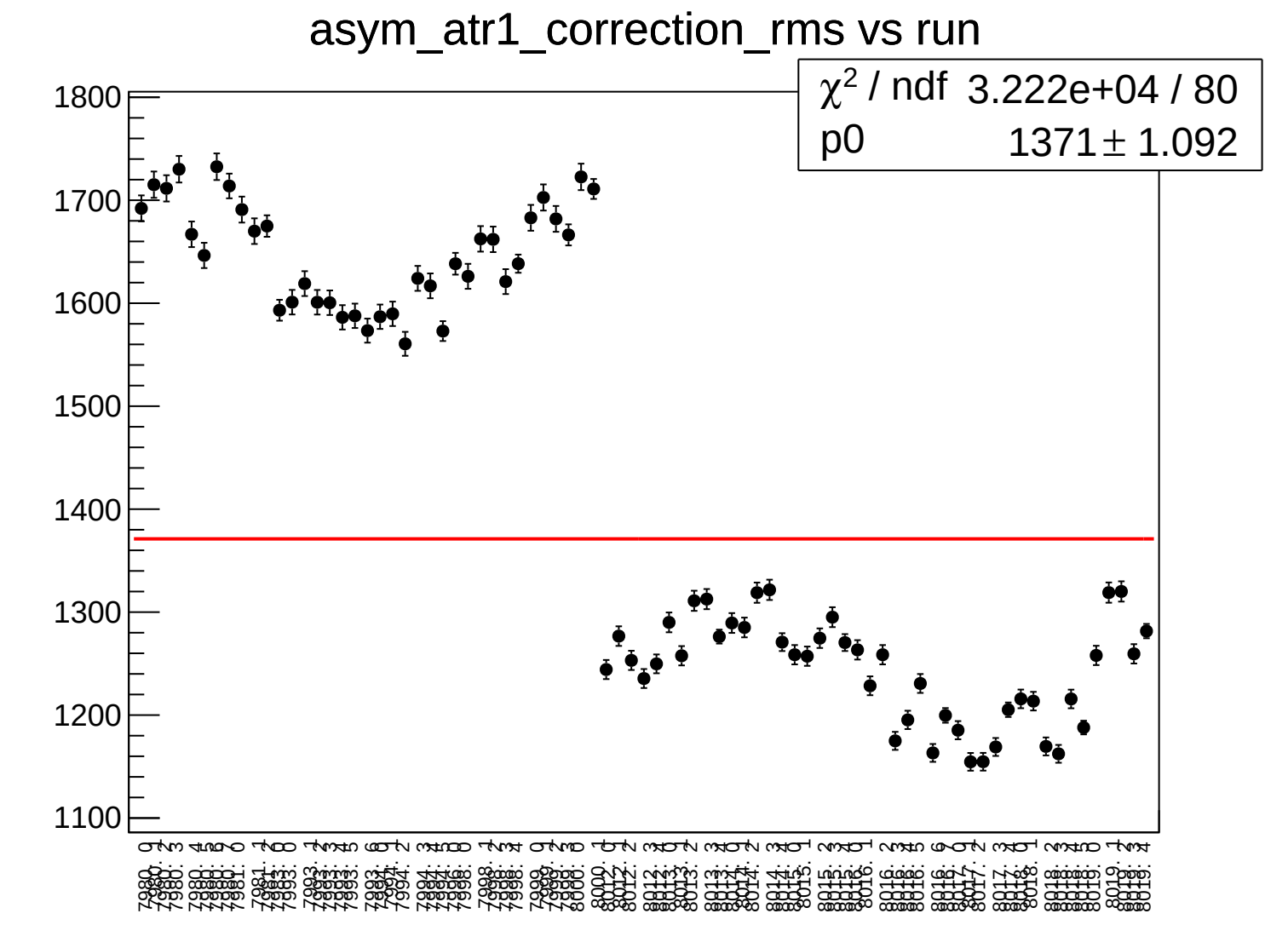

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 75.89 / 80
p0 231.8 ± 3135
100
50
0
−50
−100
pull
Entries 81
Mean 245.2
Std Dev 206.3
2
1
0
−1
−2

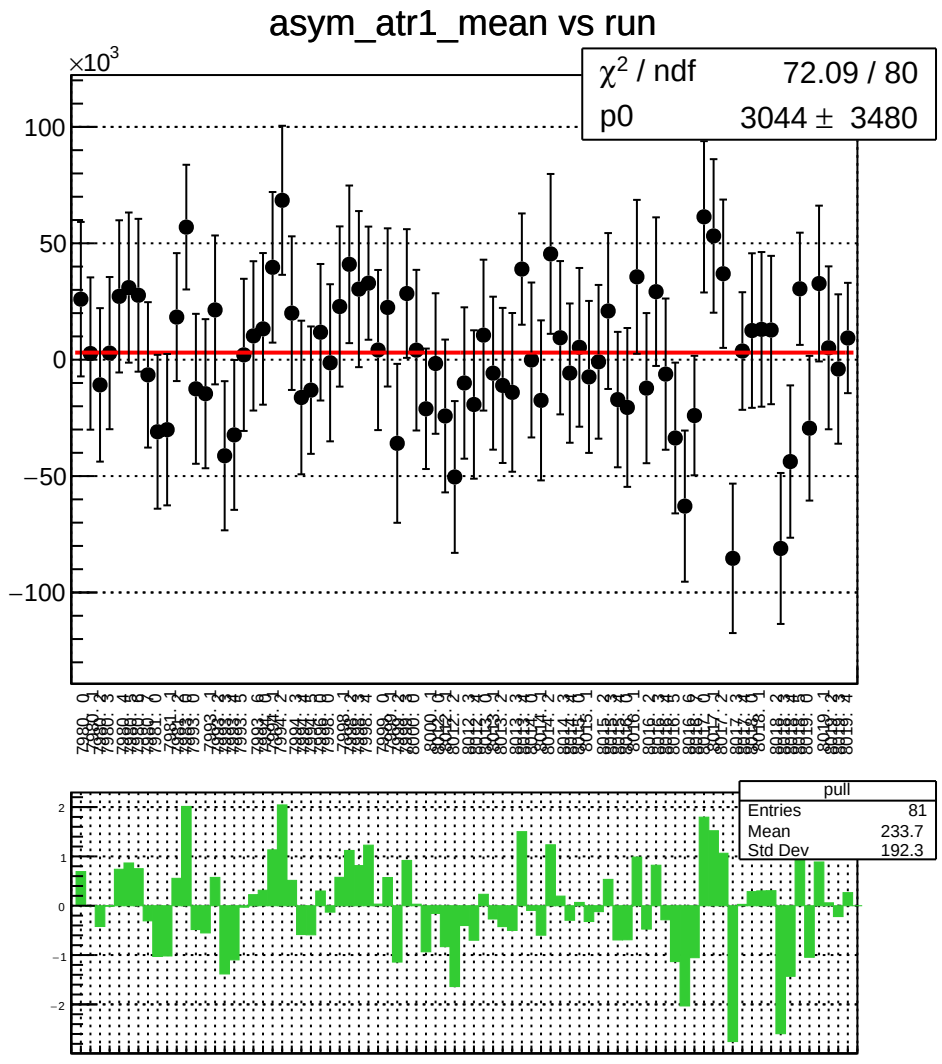

pull1D
Entries 81
Mean −0.01644
Std Dev 0.9678
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

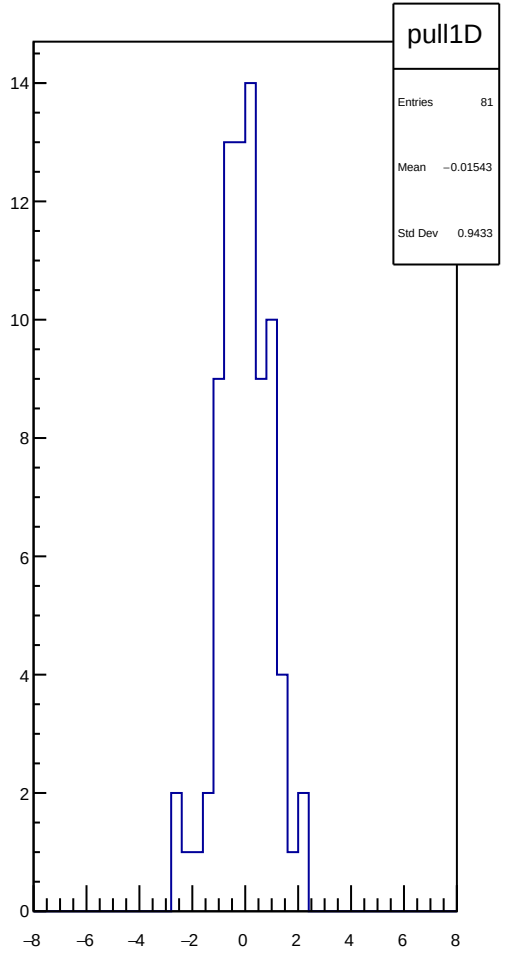

dit_asym_atr1_rms vs run
χ² / ndf 228.1 / 80
p0 2811 ± 2.217
3000
2950
2900
2850
2800
2750

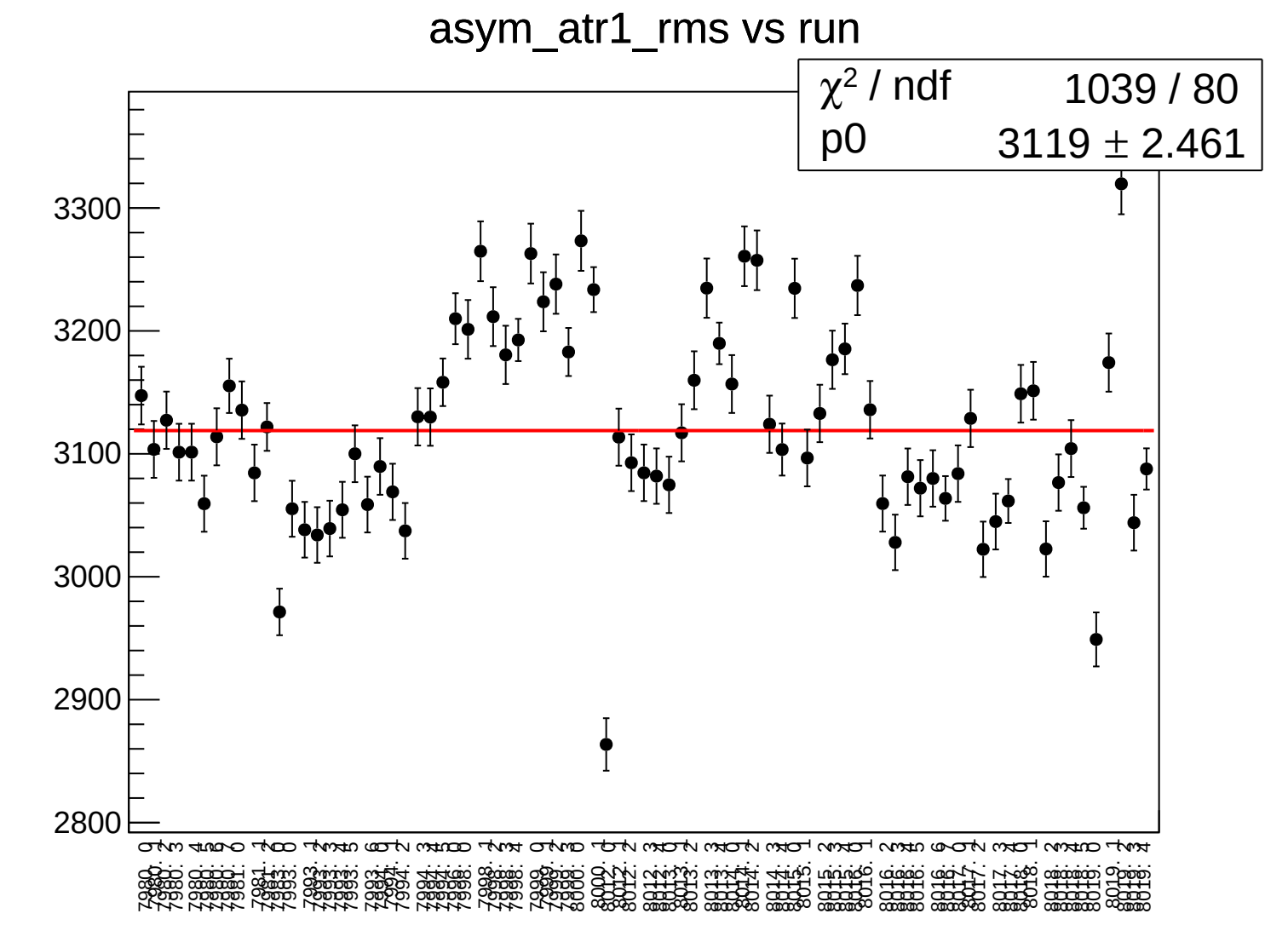

asym_atr1_correction_mean vs run
χ² / ndf 86.17 / 80
p0 −3099 ± 1545
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 28.19
Std Dev 55.03
2
1
0
−1
−2
−3

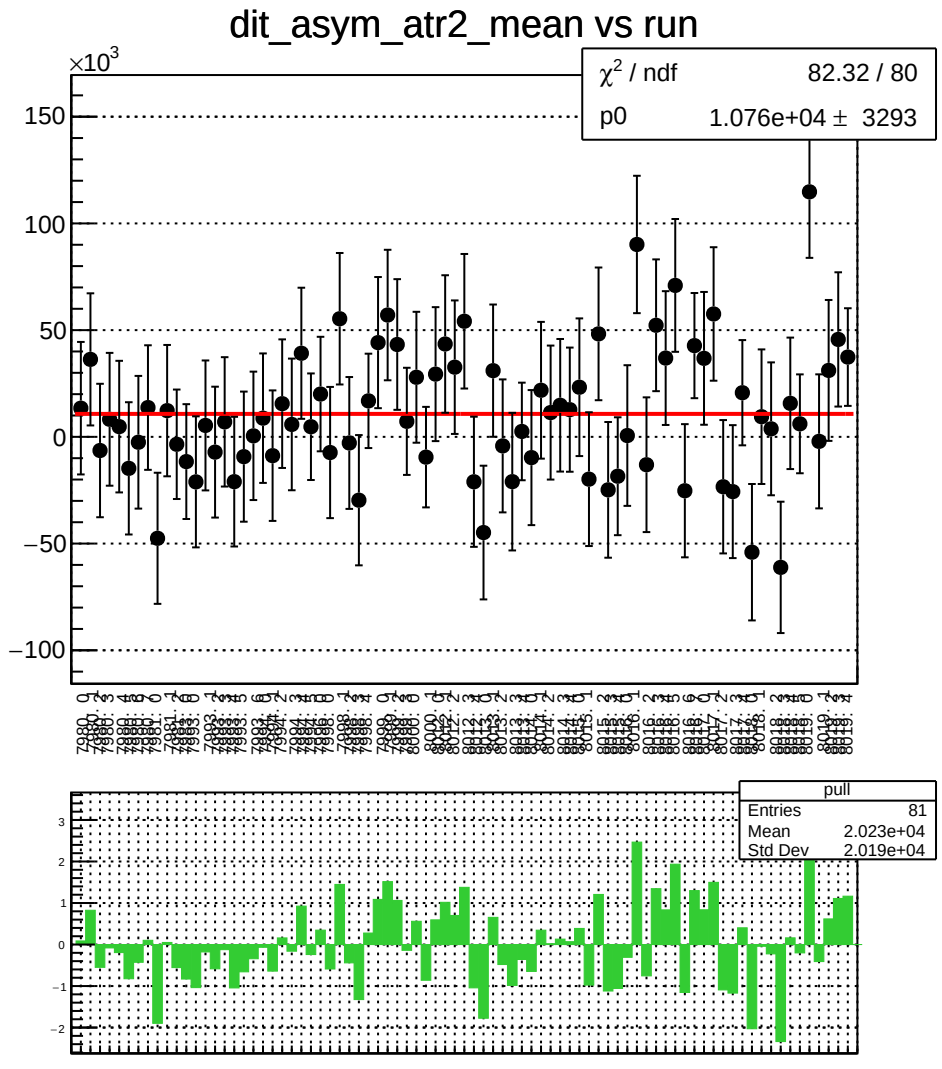

pull1D
Entries 81
Mean 0.01147
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

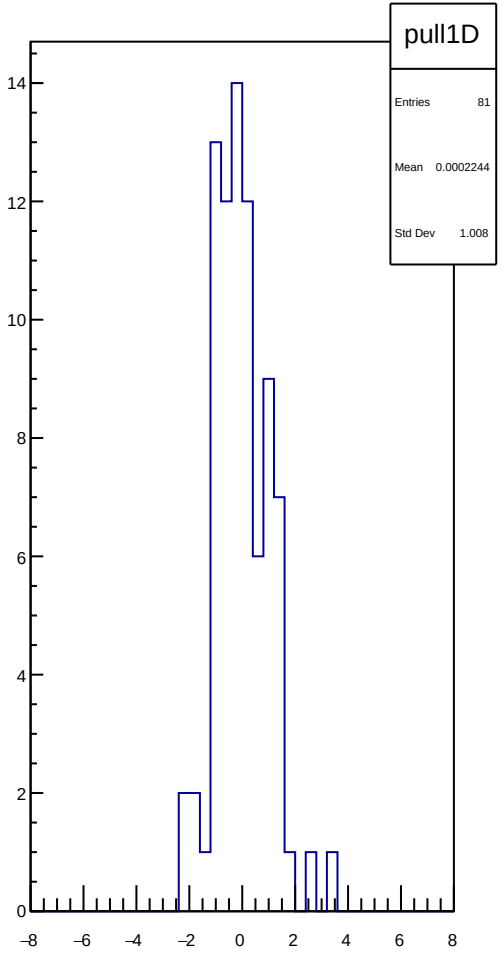

asym_atr1_correction_rms vs run
χ² / ndf 3.222e+04 / 80
p0 1371 ± 1.092
1800
1700
1600
1500
1400
1300
1200
1100

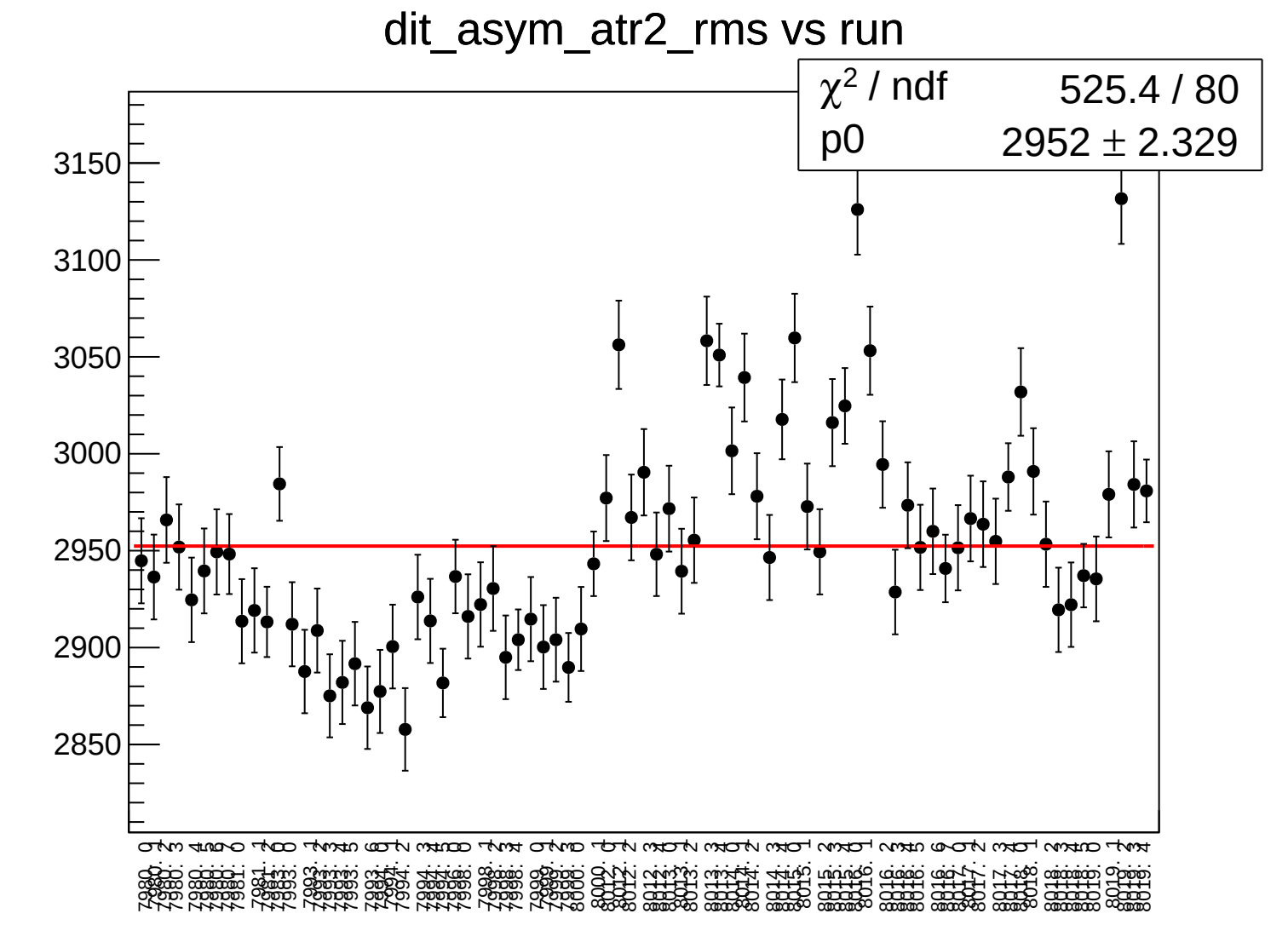

asym_atr1_mean vs run
×10^3
χ² / ndf 72.09 / 80
p0 3044 ± 3480
100
50
0
−50
−100
pull
Entries 81
Mean 233.7
Std Dev 192.3
2
1
0
−1
−2

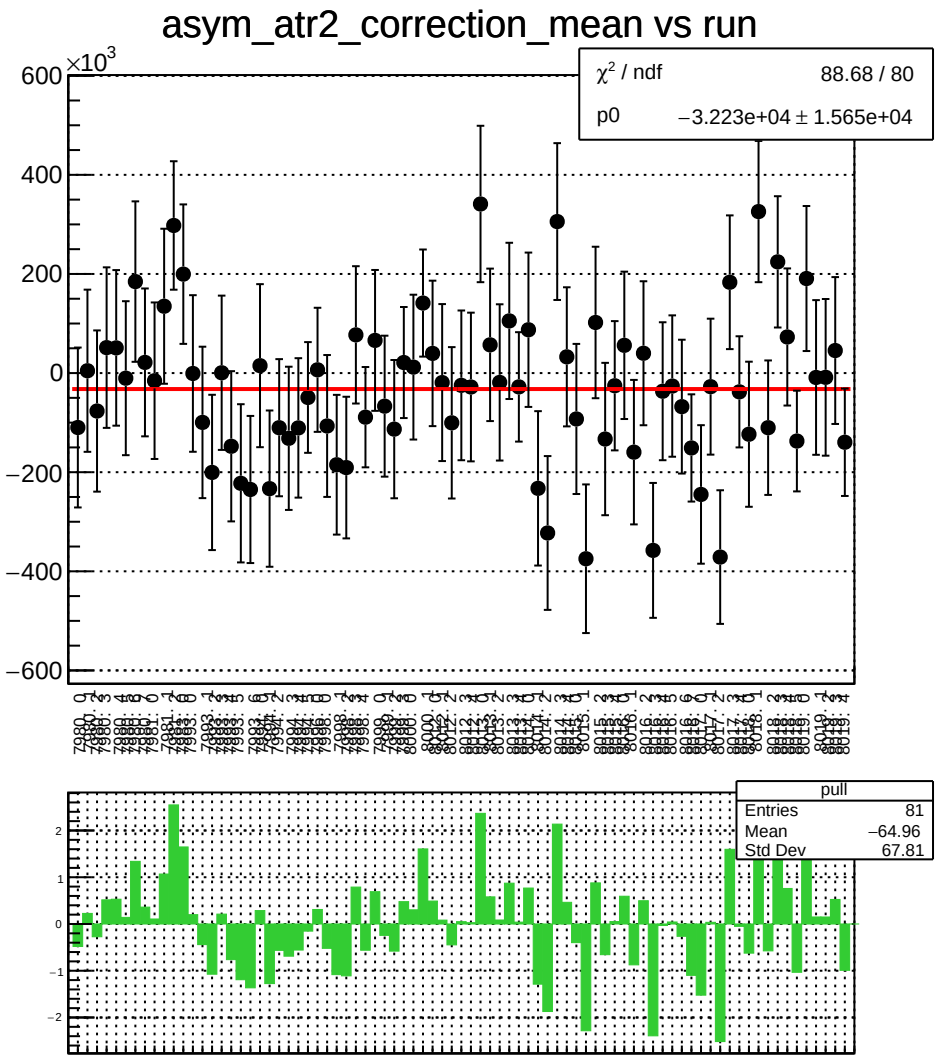

pull1D
Entries 81
Mean −0.01543
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

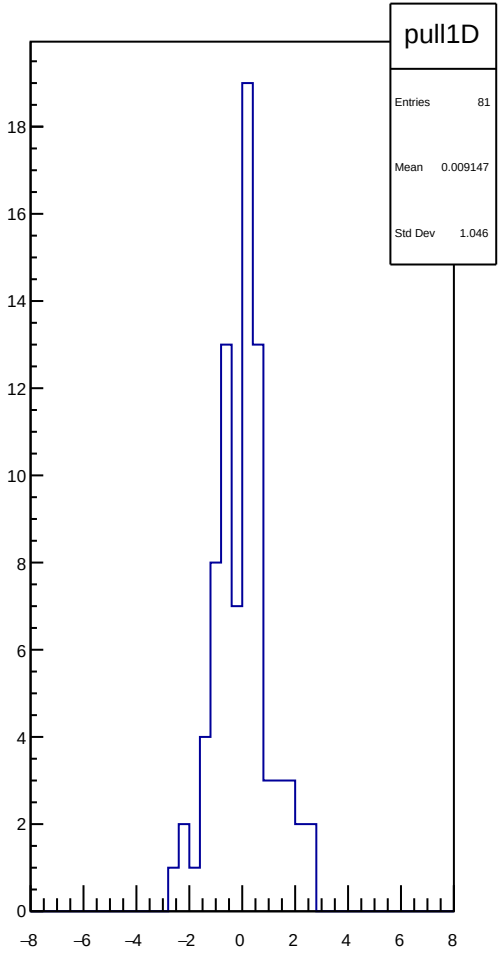

asym_atr1_rms vs run
χ² / ndf 1039 / 80
p0 3119 ± 2.461
3300
3200
3100
3000
2900
2800

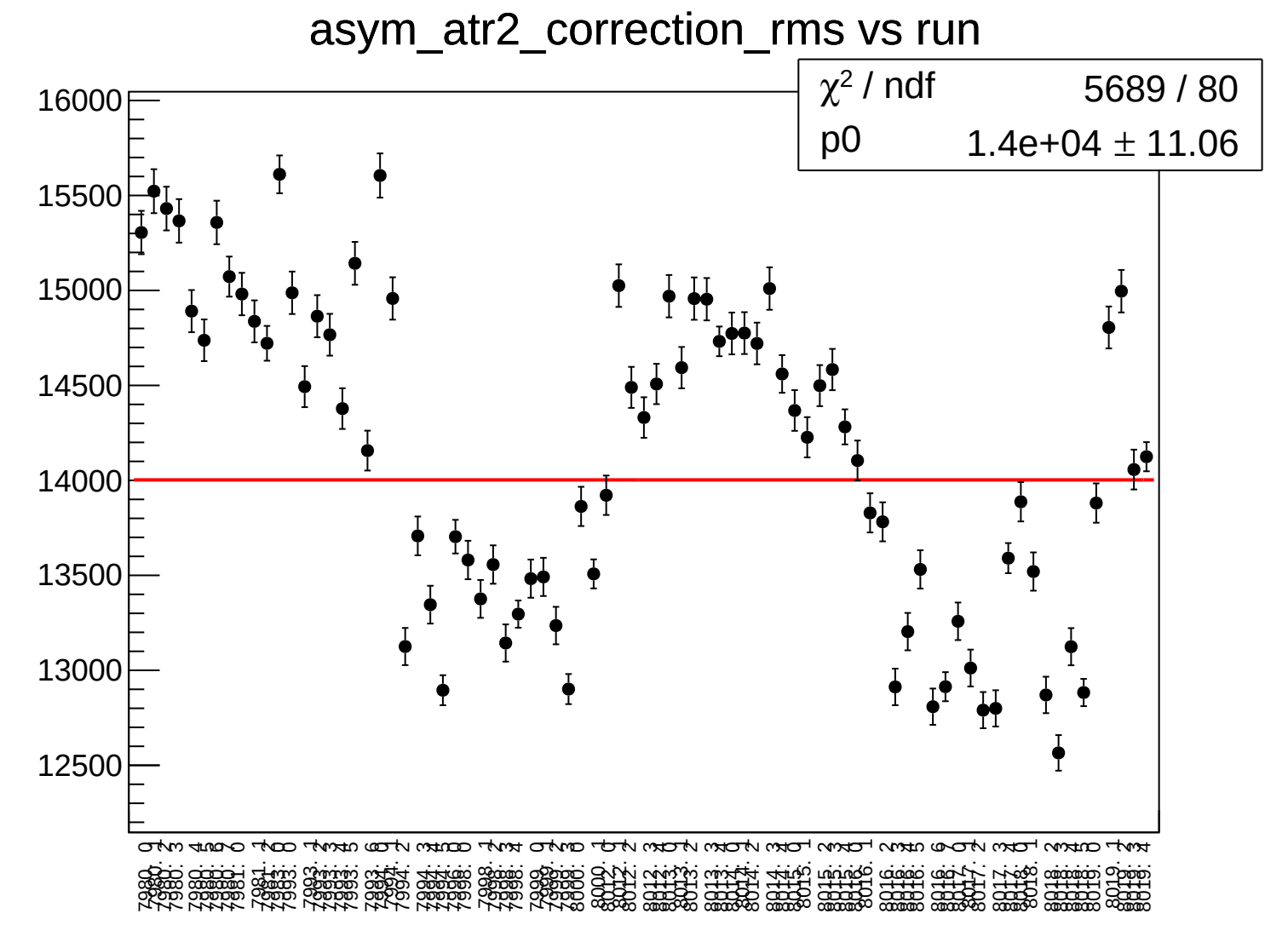

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 82.32 / 80
p0 1.076e+04 ± 3293
150
100
50
0
−50
−100
pull
Entries 81
Mean 2.023e+04
Std Dev 2.019e+04
3
2
1
0
−1
−2

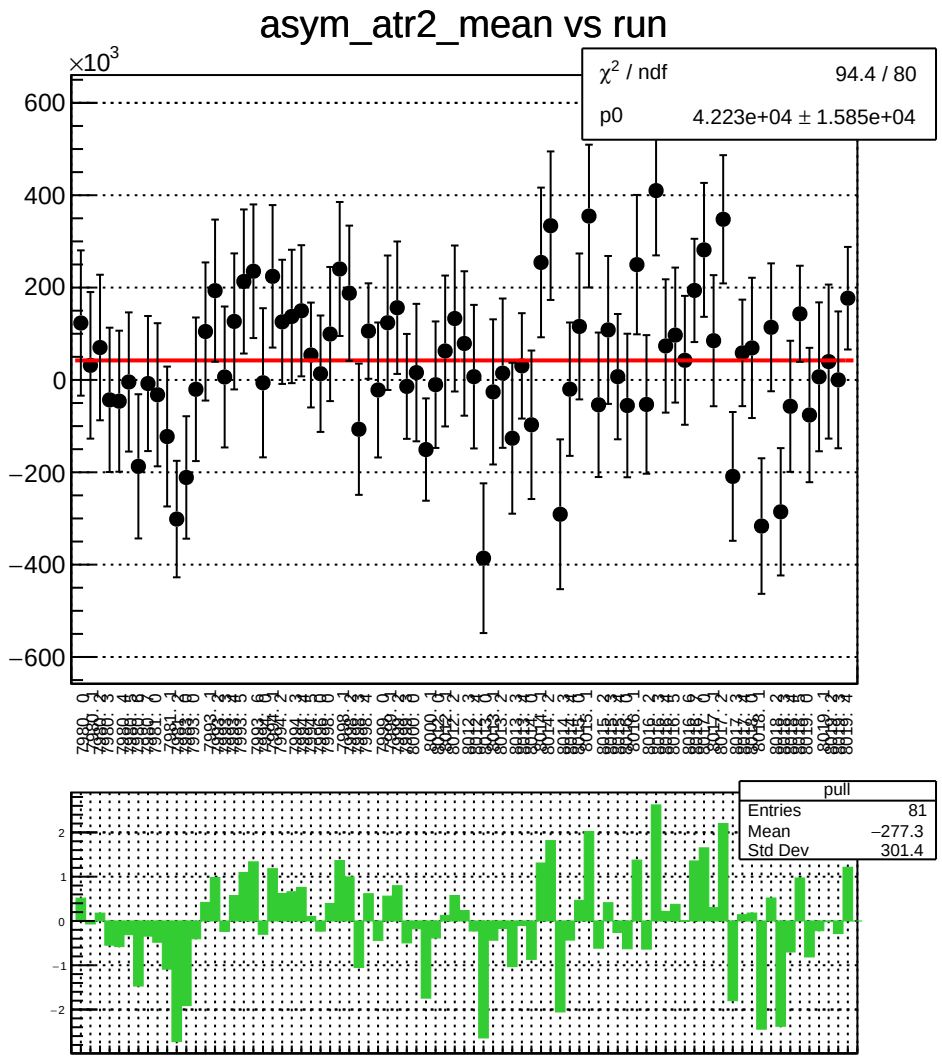

pull1D
Entries 81
Mean 0.0002244
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

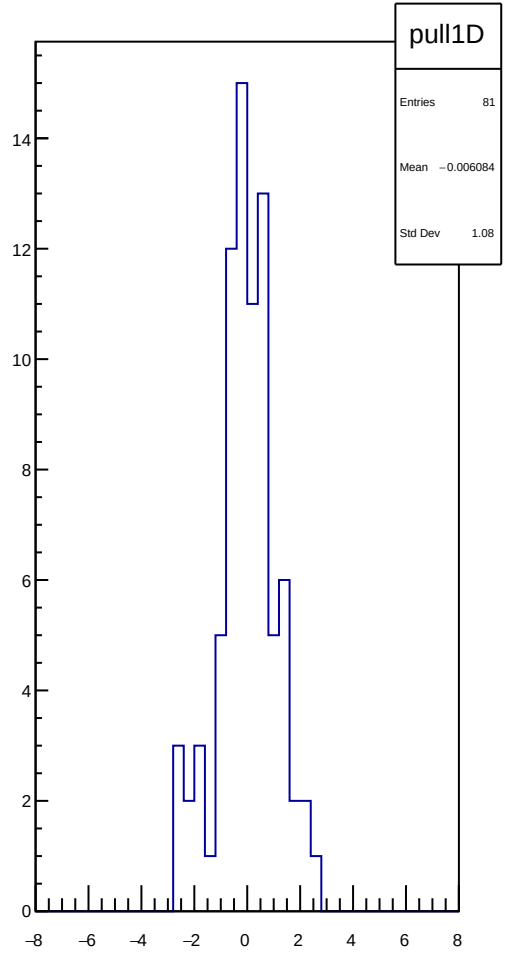

dit_asym_atr2_rms vs run
χ² / ndf 525.4 / 80
p0 2952 ± 2.329
3150
3100
3050
3000
2950
2900
2850

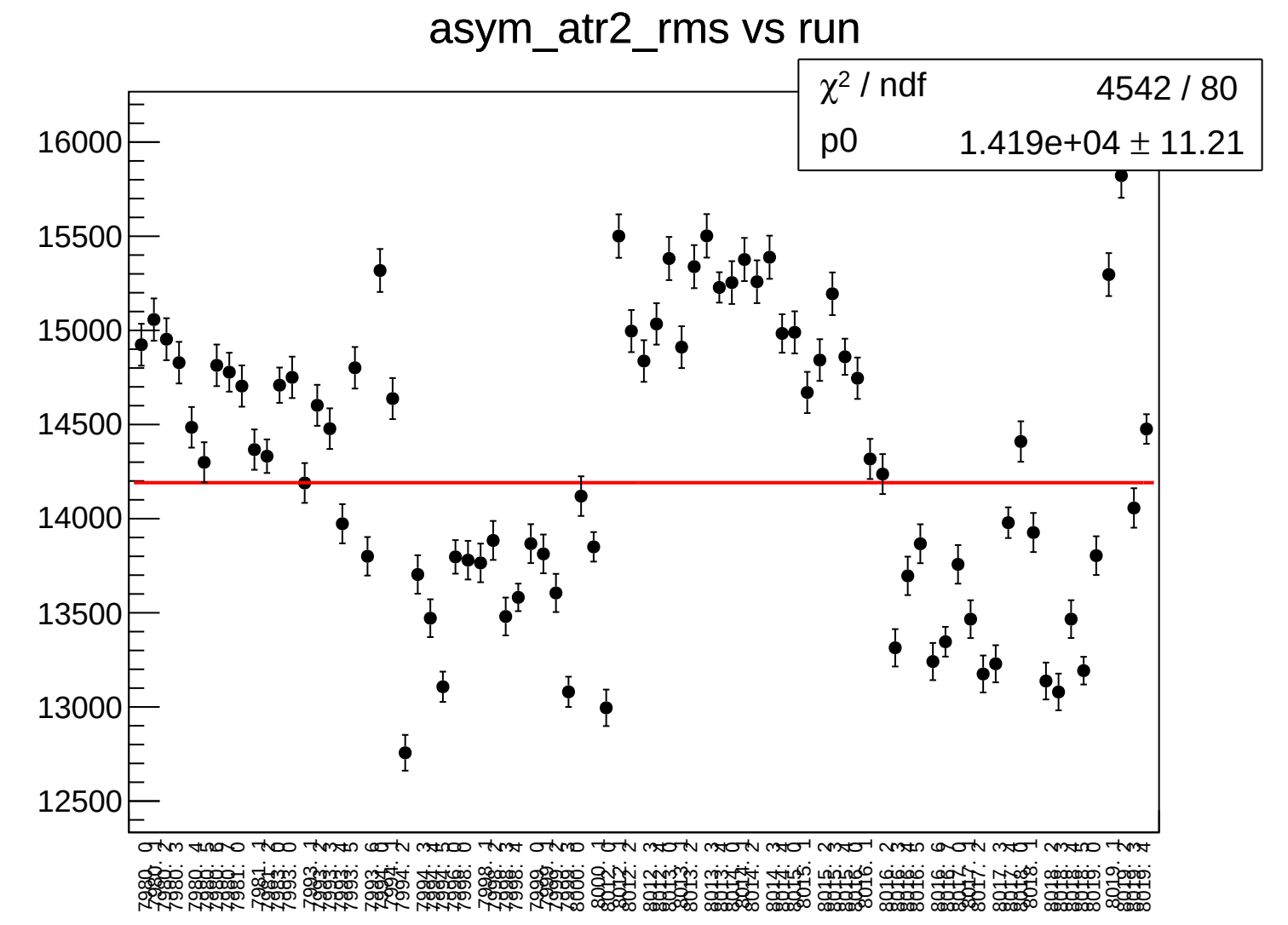

asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 88.68 / 80
p0 −3.223e+04 ± 1.565e+04
pull
Entries 81
Mean −64.96
Std Dev 67.81
2
1
0
−1
−2

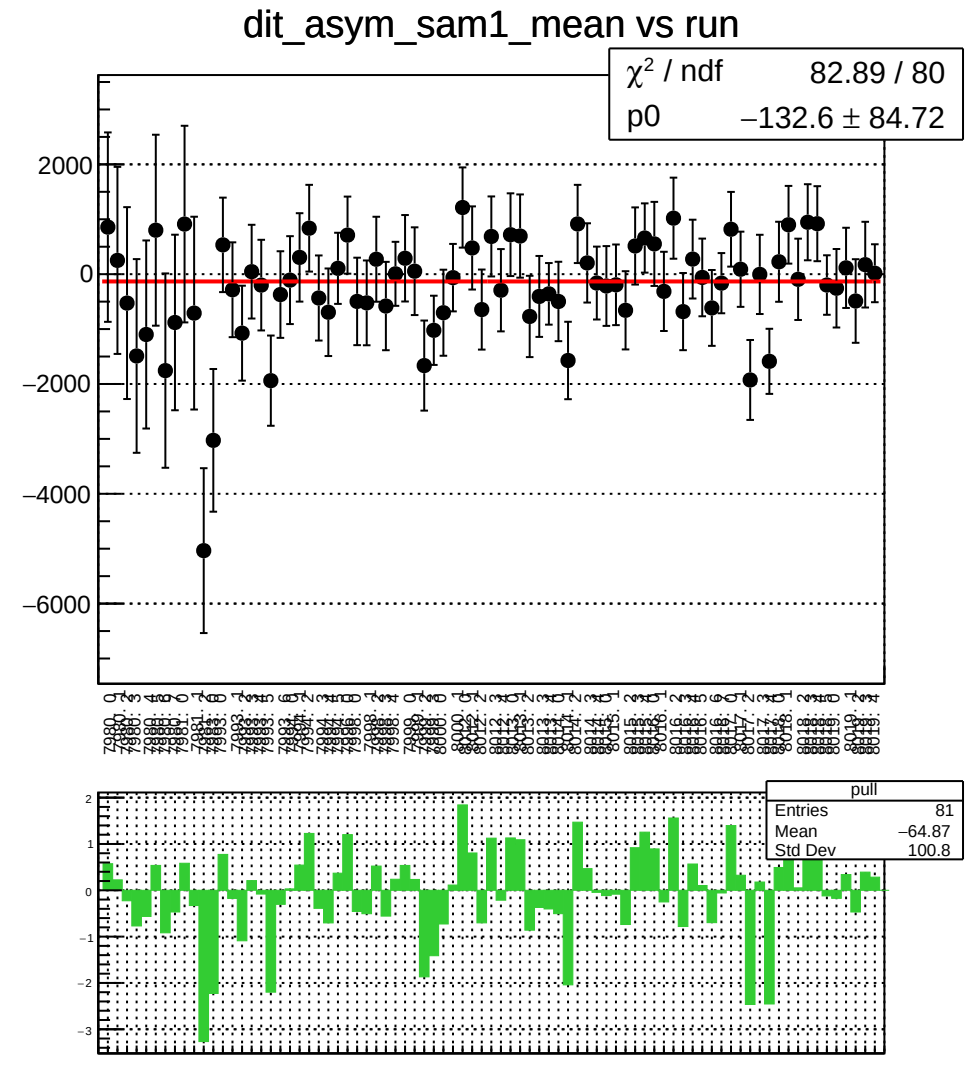

pull1D
Entries 81
Mean 0.009147
Std Dev 1.046
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

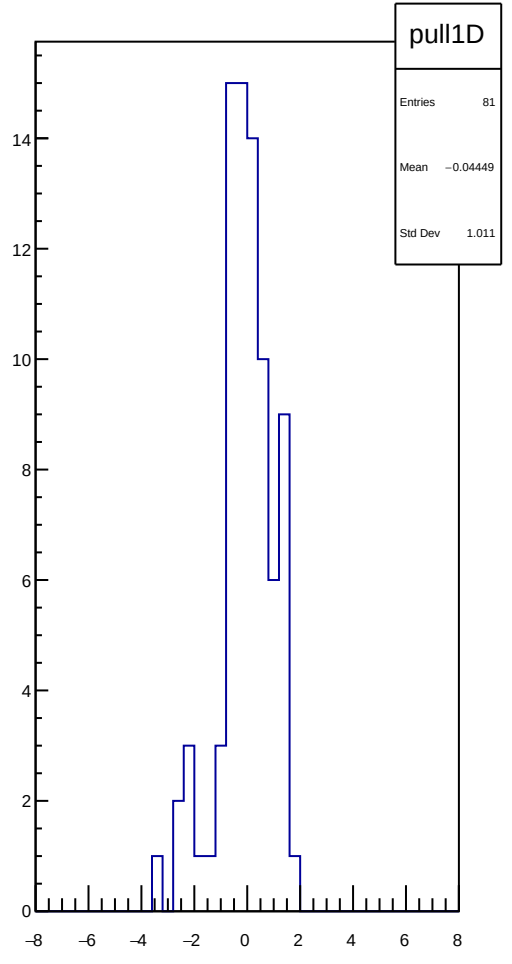

asym_atr2_correction_rms vs run
χ² / ndf 5689 / 80
p0 1.4e+04 ± 11.06
16000
15500
15000
14500
14000
13500
13000
12500

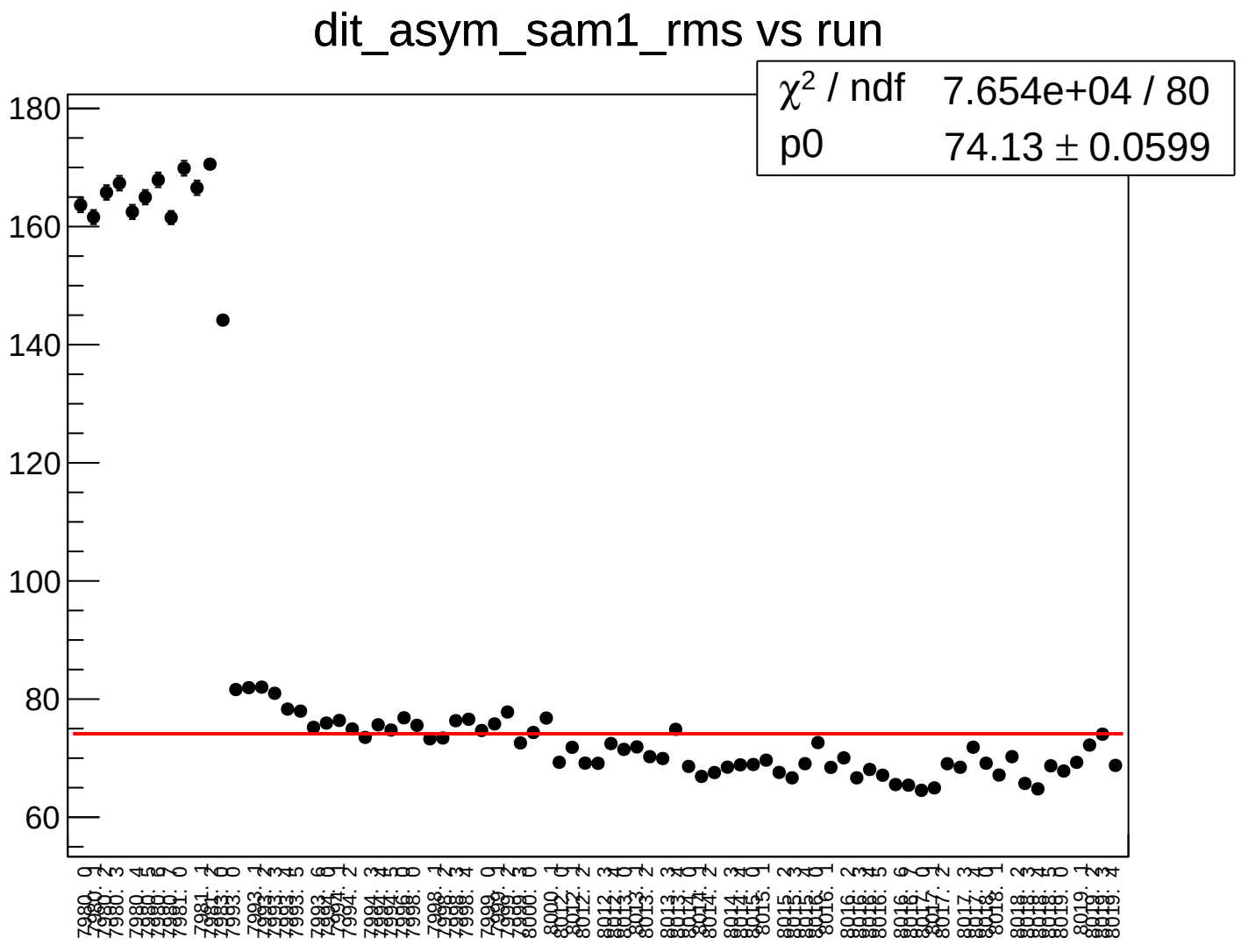

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 94.4 / 80
p0 4.223e+04 ± 1.585e+04
pull
Entries 81
Mean −277.3
Std Dev 301.4
2
1
0
−1
−2

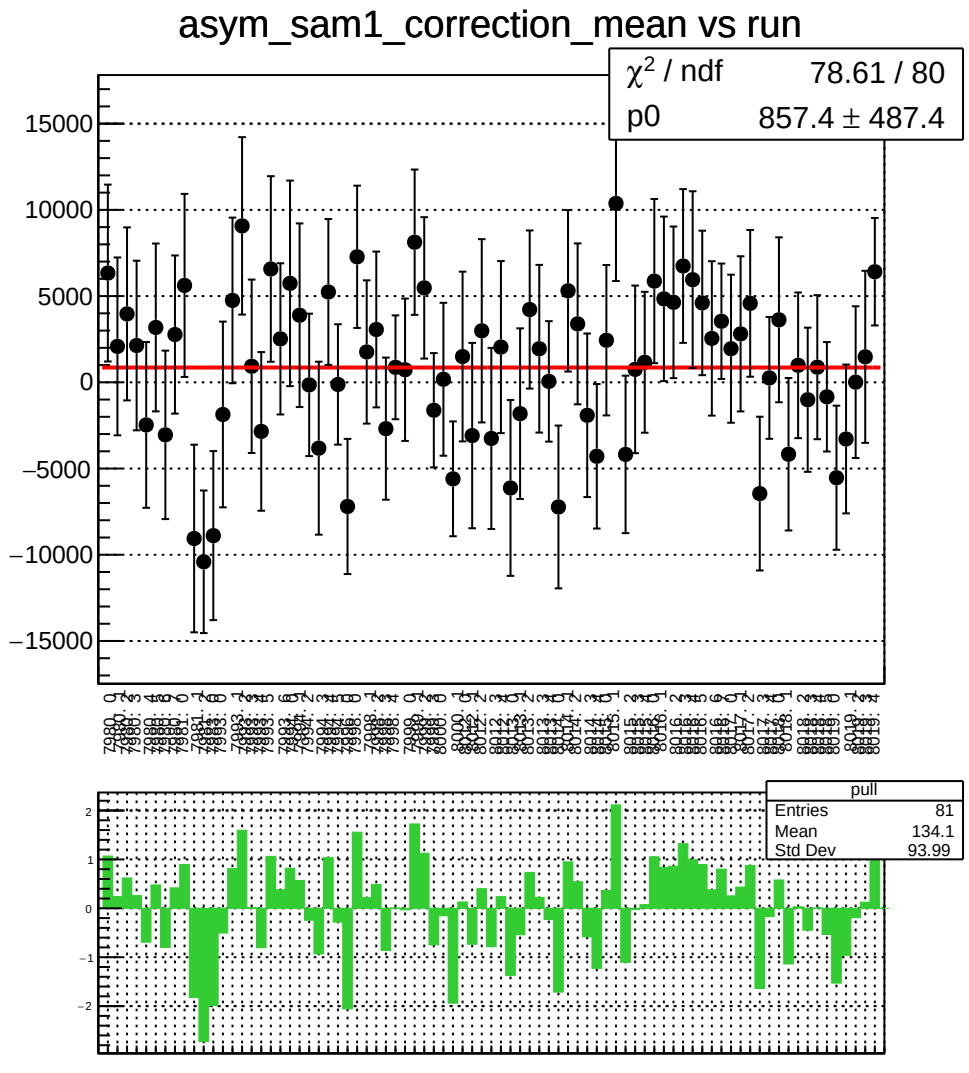

pull1D
Entries 81
Mean −0.006084
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

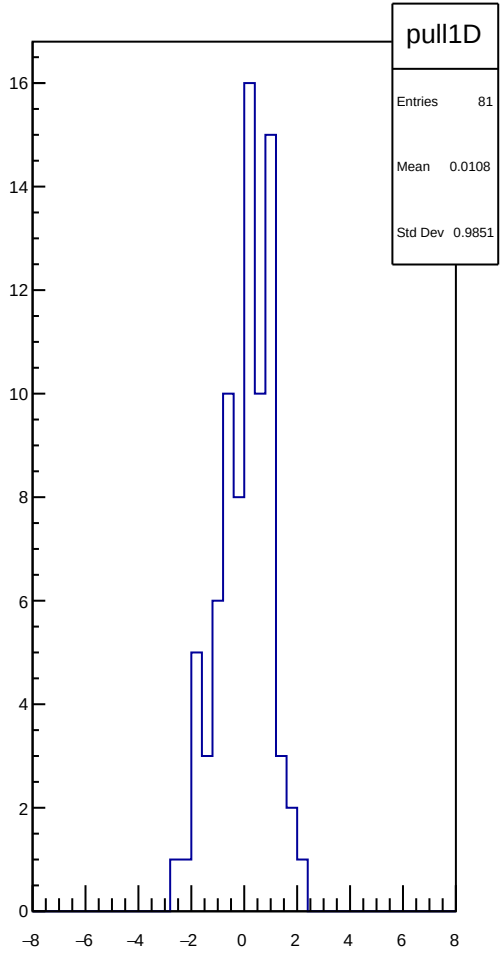

asym_atr2_rms vs run
χ² / ndf 4542 / 80
p0 1.419e+04 ± 11.21
16000
15500
15000
14500
14000
13500
13000
12500

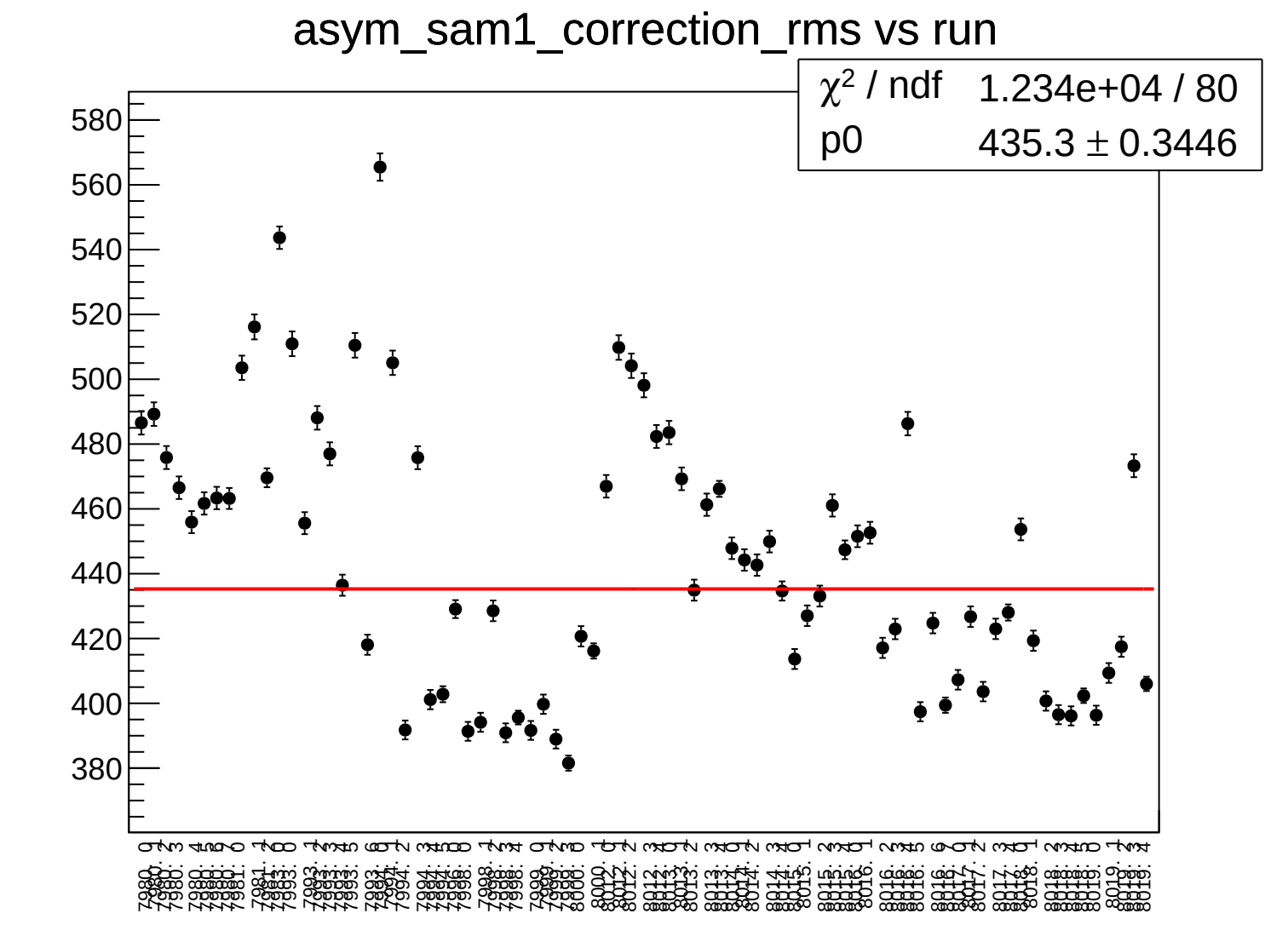

dit_asym_sam1_mean vs run
χ² / ndf 82.89 / 80
p0 −132.6 ± 84.72
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −64.87
Std Dev 100.8
2
1
0
−1
−2
−3

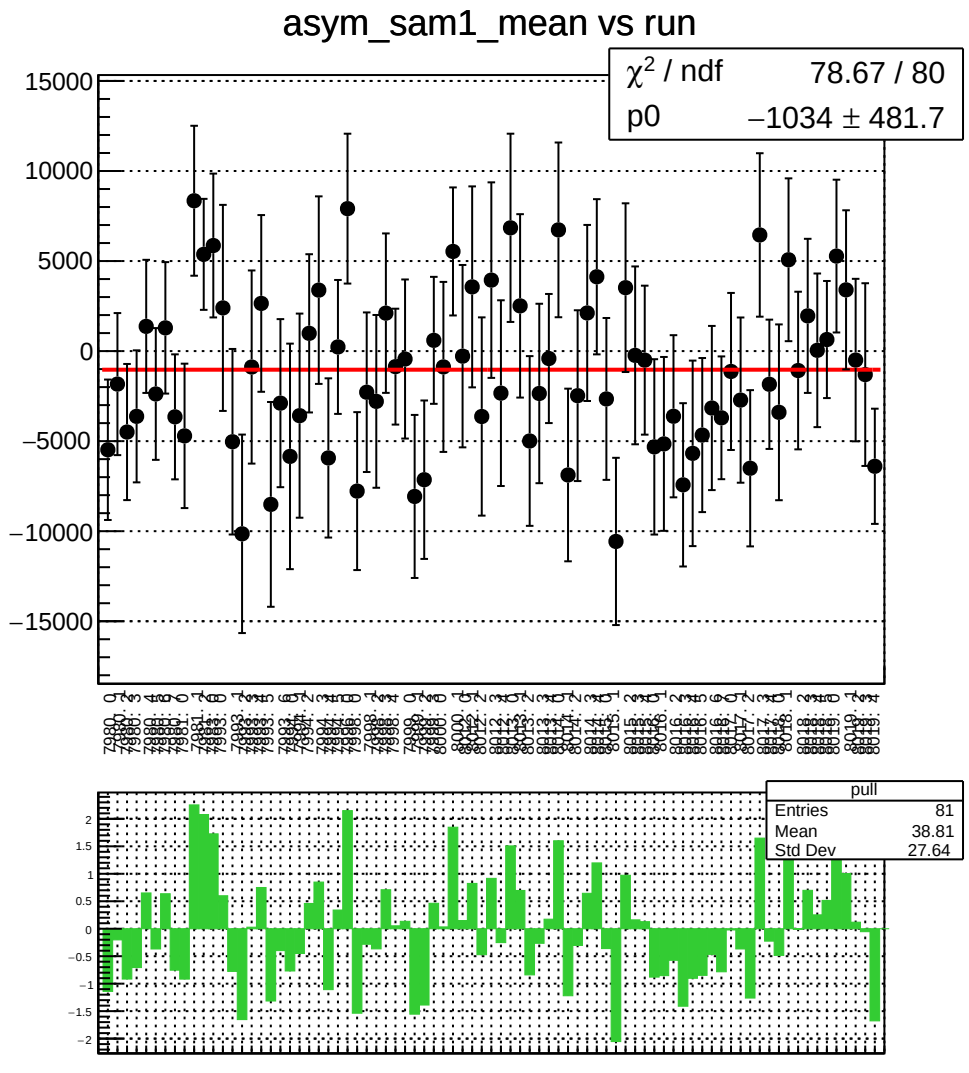

pull1D
Entries 81
Mean −0.04449
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

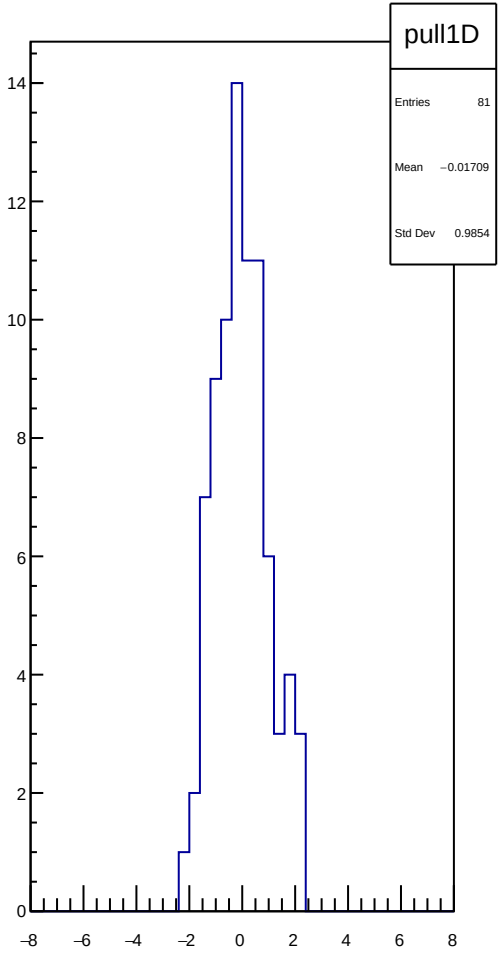

dit_asym_sam1_rms vs run
χ² / ndf 7.654e+04 / 80
p0 74.13 ± 0.0599
180
160
140
120
100
80
60

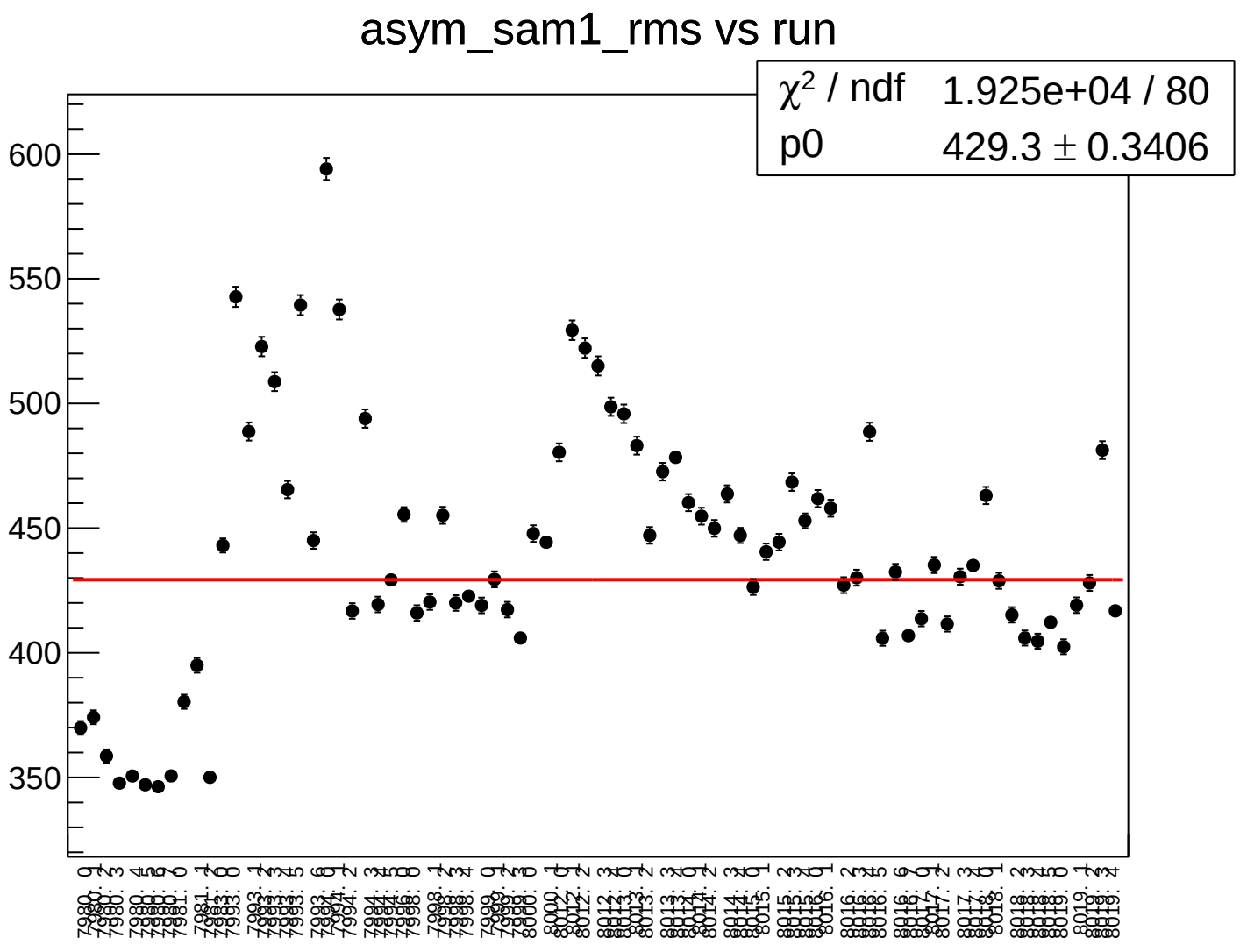

asym_sam1_correction_mean vs run
χ² / ndf 78.61 / 80
p0 857.4 ± 487.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 134.1
Std Dev 93.99
2
1
0
−1
−2

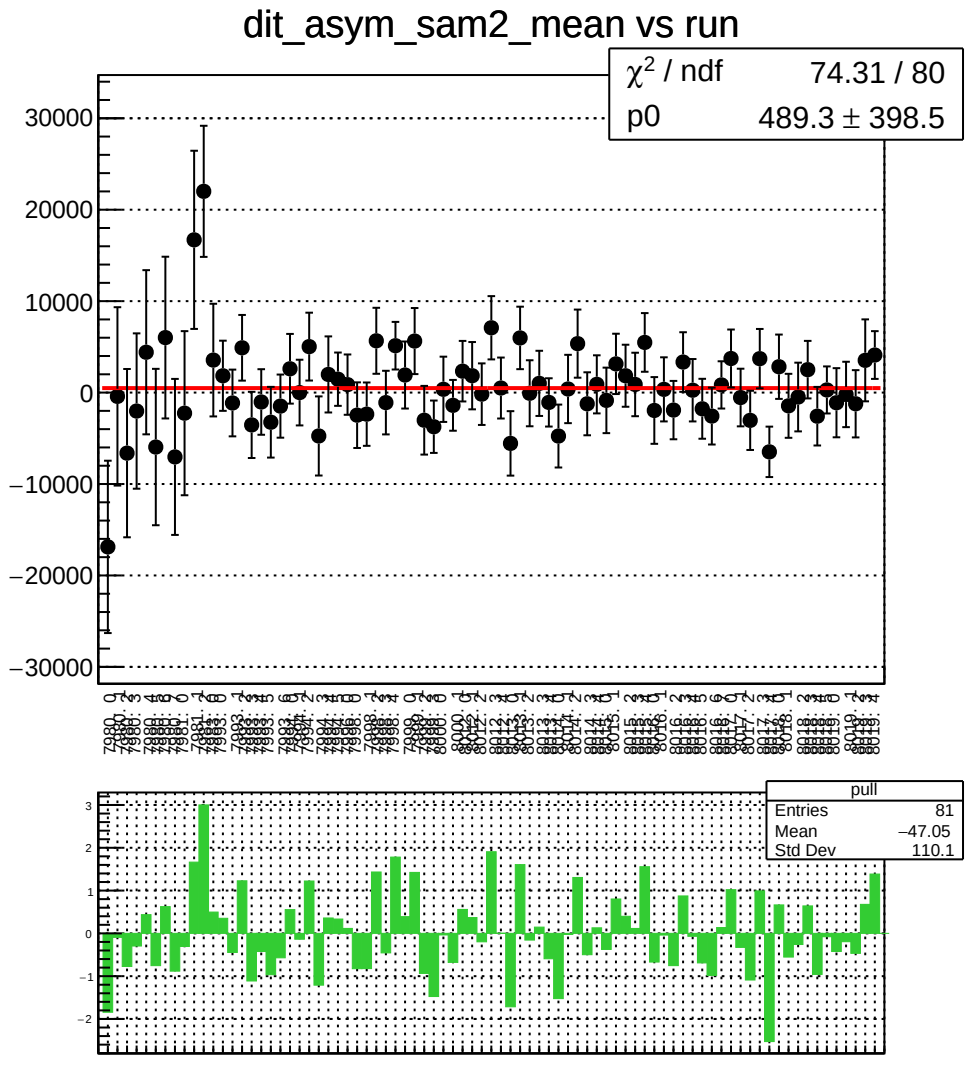

pull1D
Entries 81
Mean 0.0108
Std Dev 0.9851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

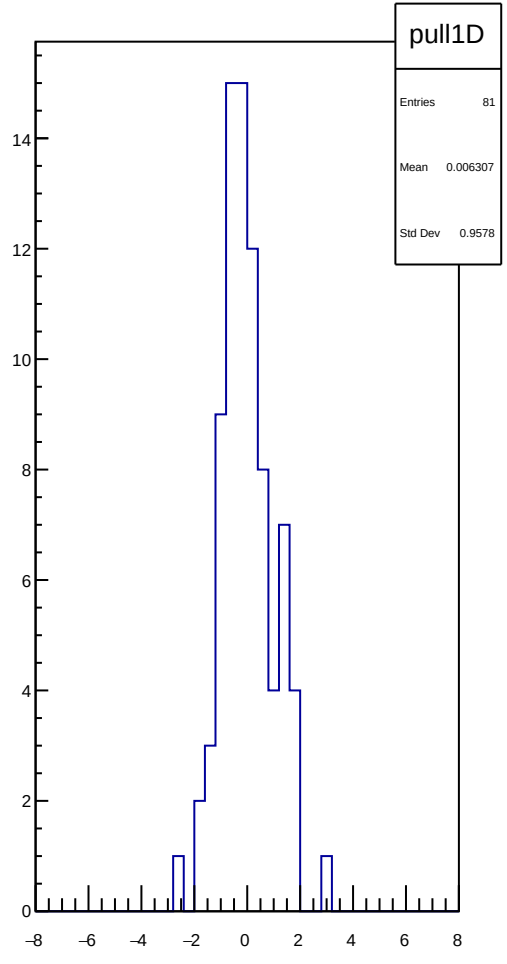

asym_sam1_correction_rms vs run
χ² / ndf 1.234e+04 / 80
p0 435.3 ± 0.3446
580
560
540
520
500
480
460
440
420
400
380

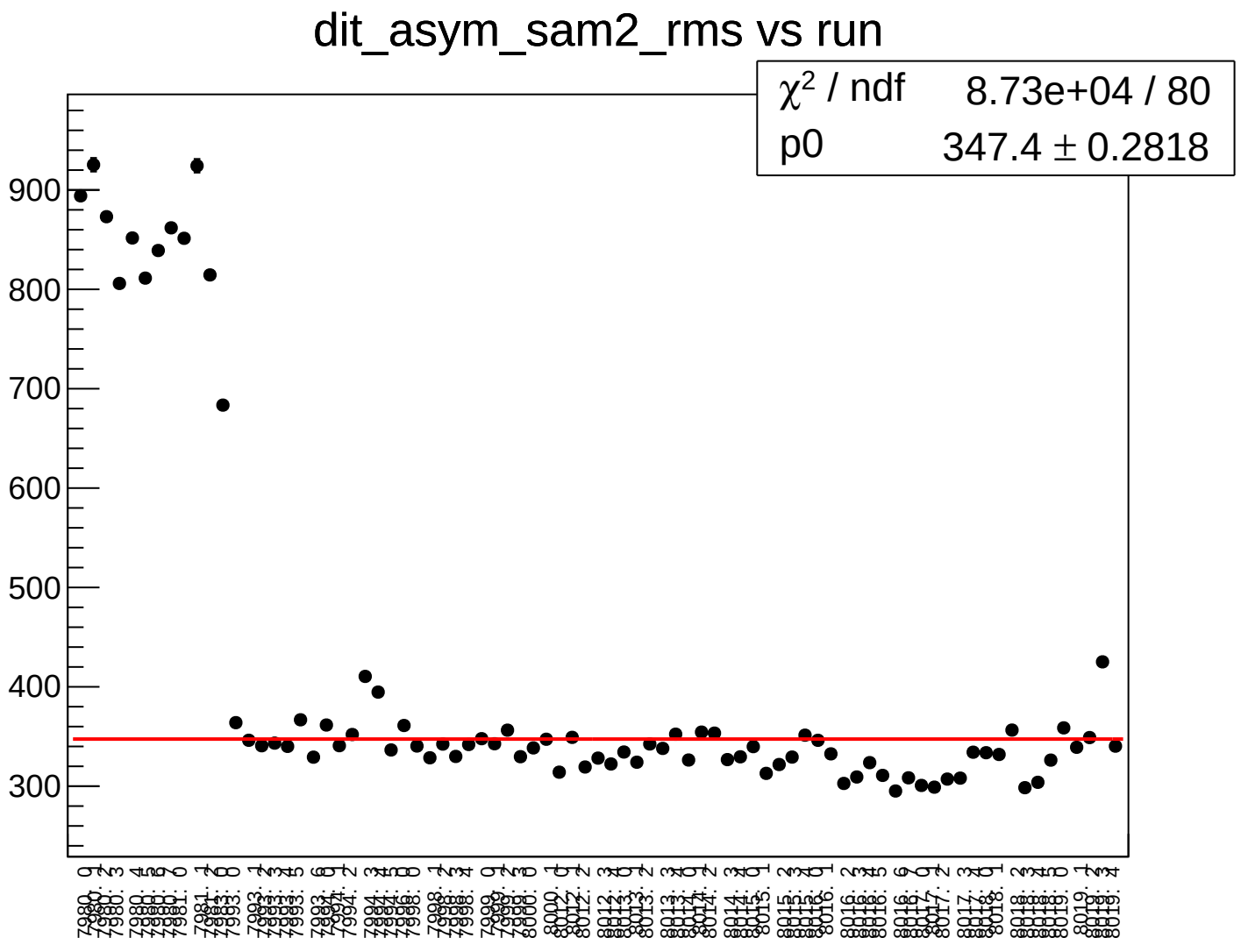

asym_sam1_mean vs run
χ² / ndf 78.67 / 80
p0 −1034 ± 481.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 38.81
Std Dev 27.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

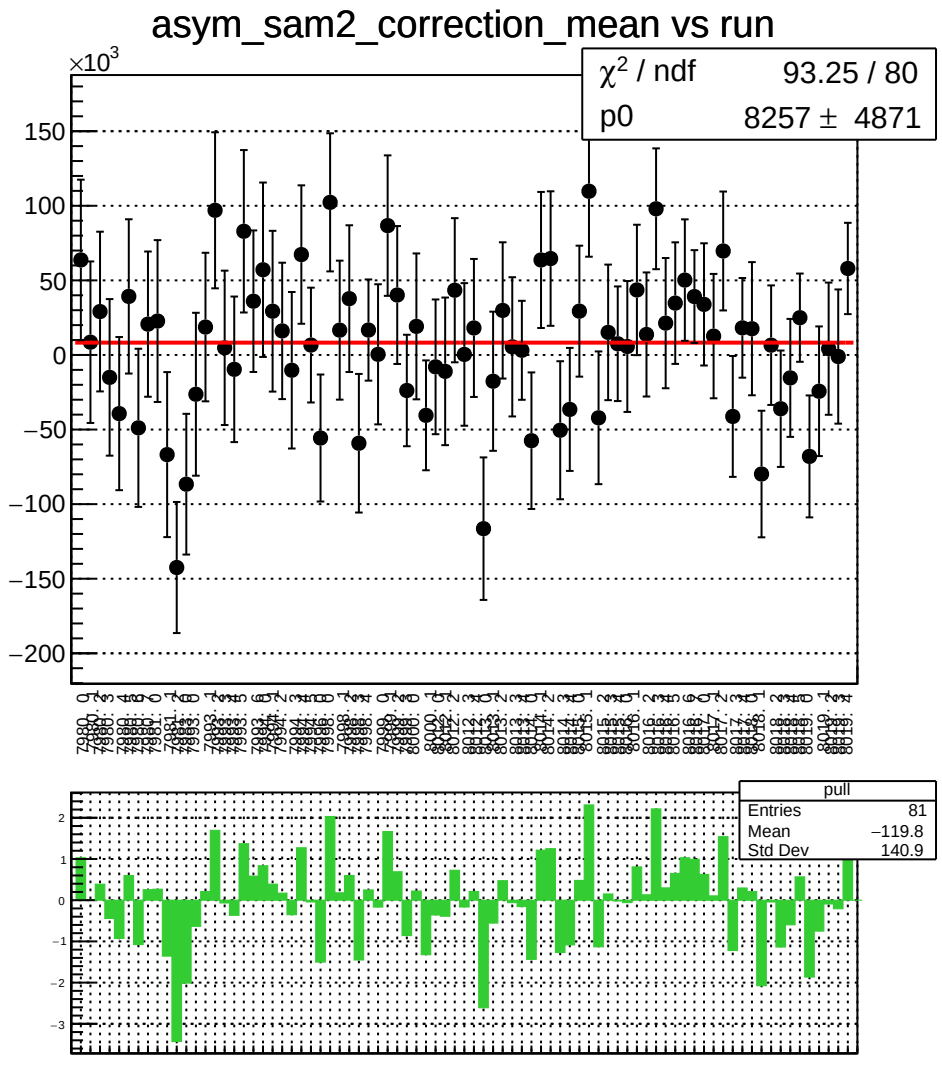

pull1D
Entries 81
Mean −0.01709
Std Dev 0.9854
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

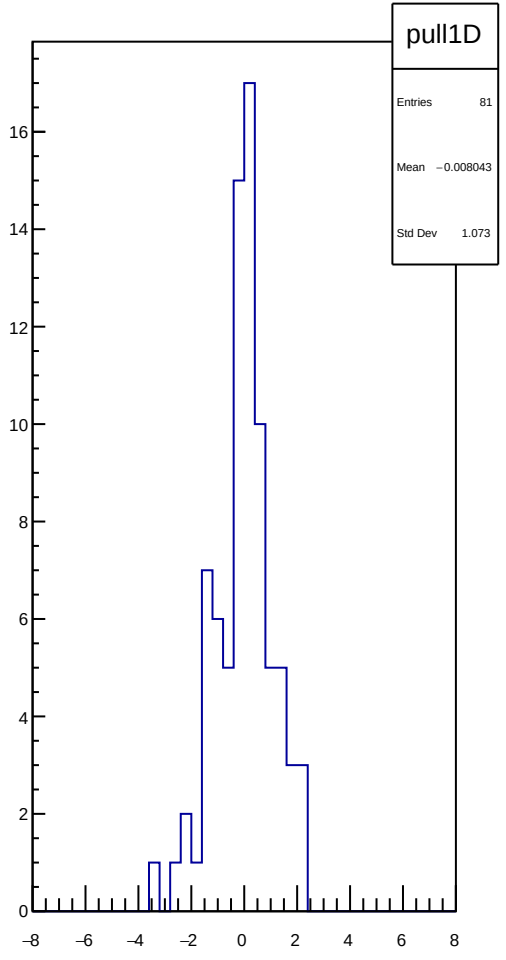

asym_sam1_rms vs run
χ^2 / ndf 1.925e+04 / 80
p0 429.3 ± 0.3406
600
550
500
450
400
350

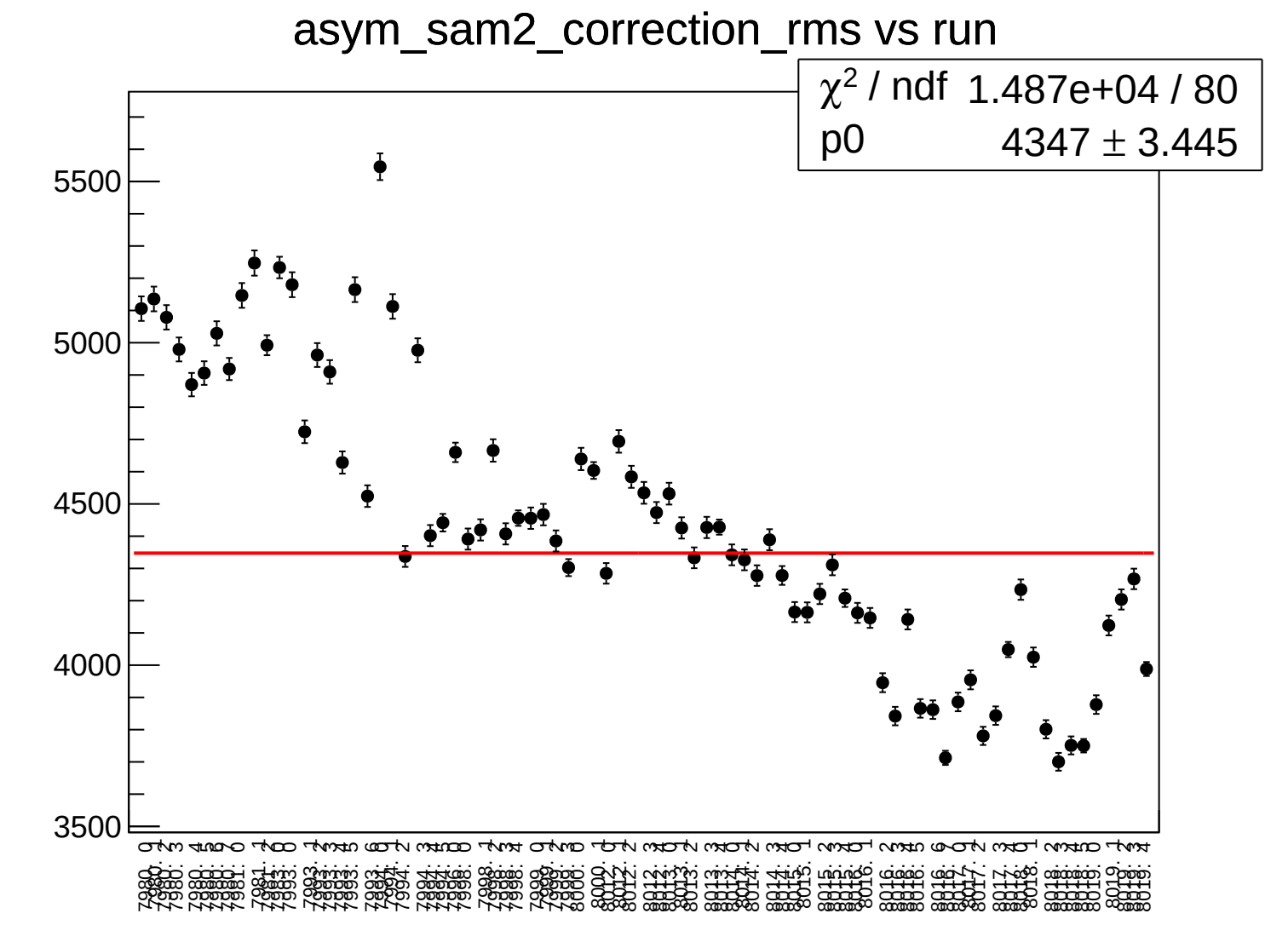

dit_asym_sam2_mean vs run
χ^2 / ndf 74.31 / 80
p0 489.3 ± 398.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −47.05
Std Dev 110.1
3
2
1
0
−1
−2

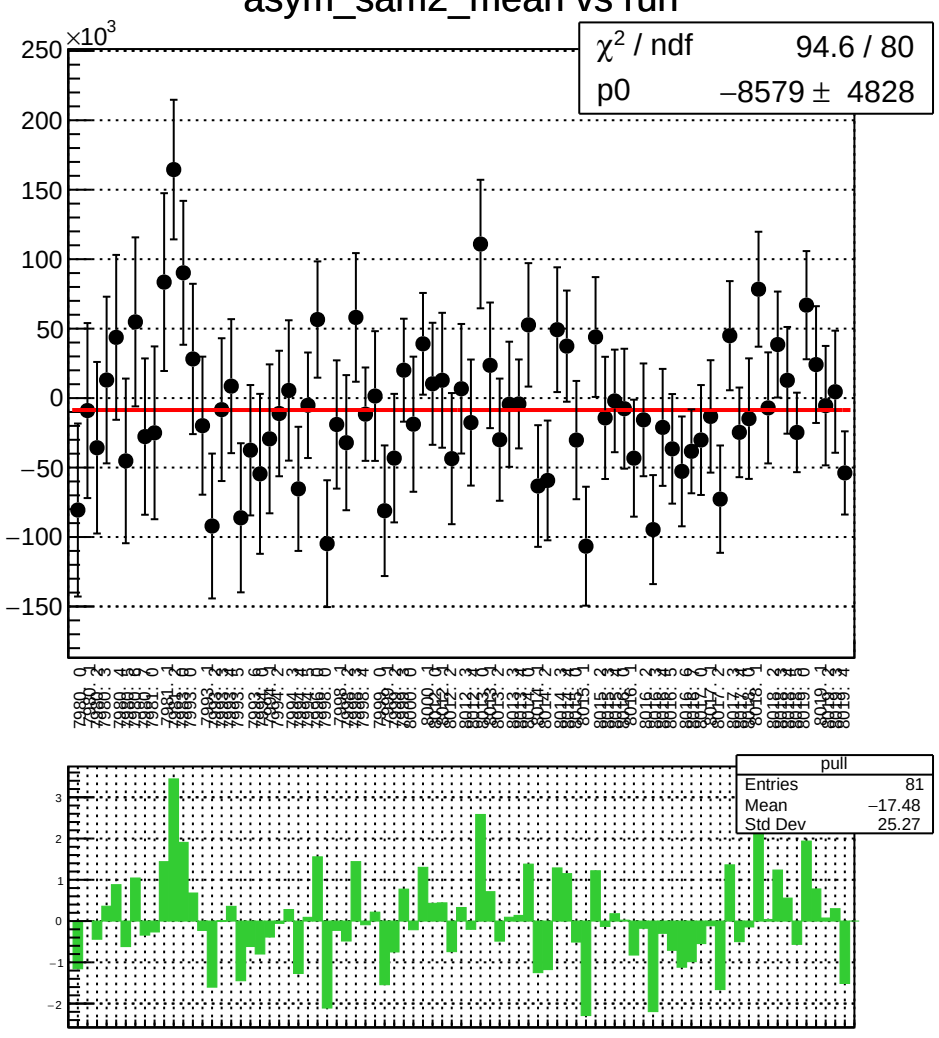

pull1D
Entries 81
Mean 0.006307
Std Dev 0.9578
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

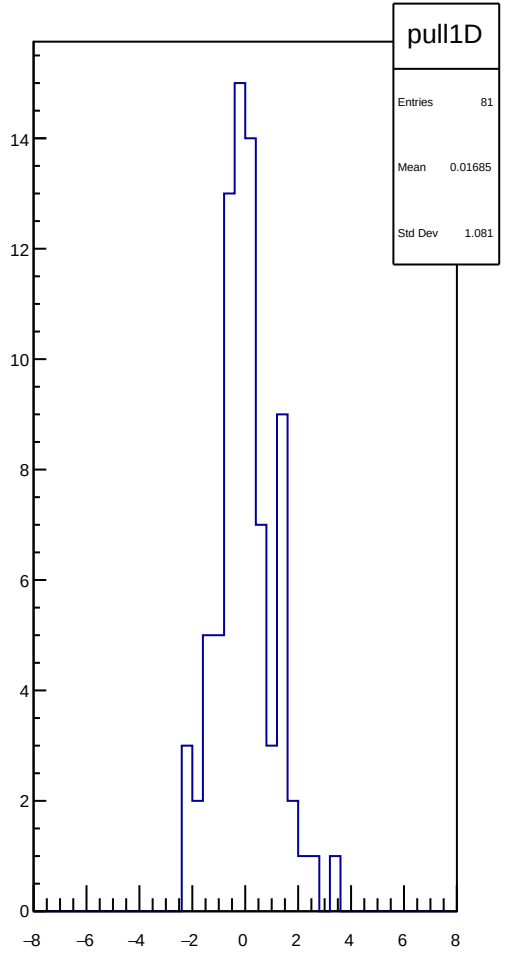

dit_asym_sam2_rms vs run
χ² / ndf 8.73e+04 / 80
p0 347.4 ± 0.2818
900
800
700
600
500
400
300

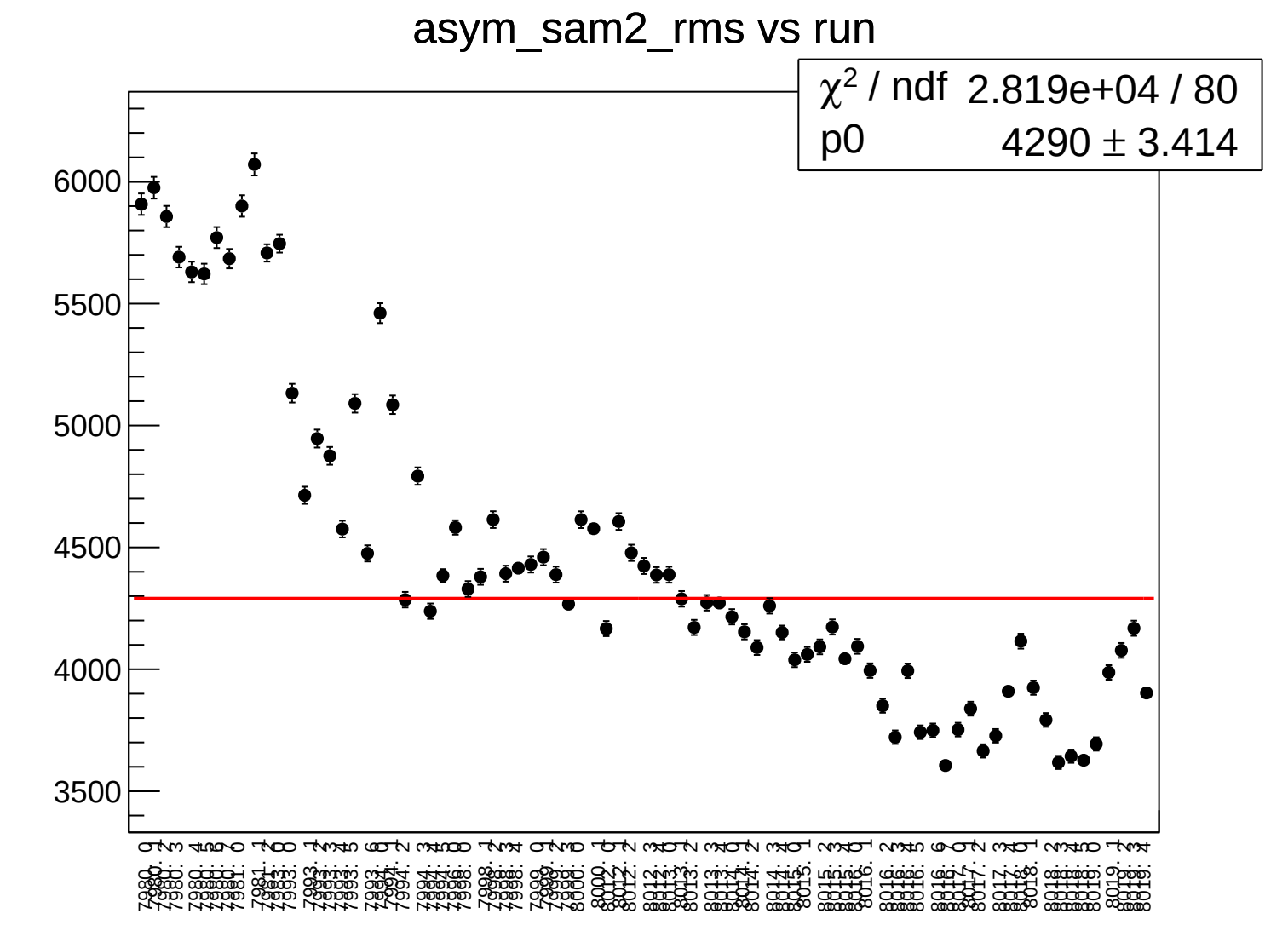

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 93.25 / 80
p0 8257 ± 4871
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −119.8
Std Dev 140.9
2
1
0
−1
−2
−3

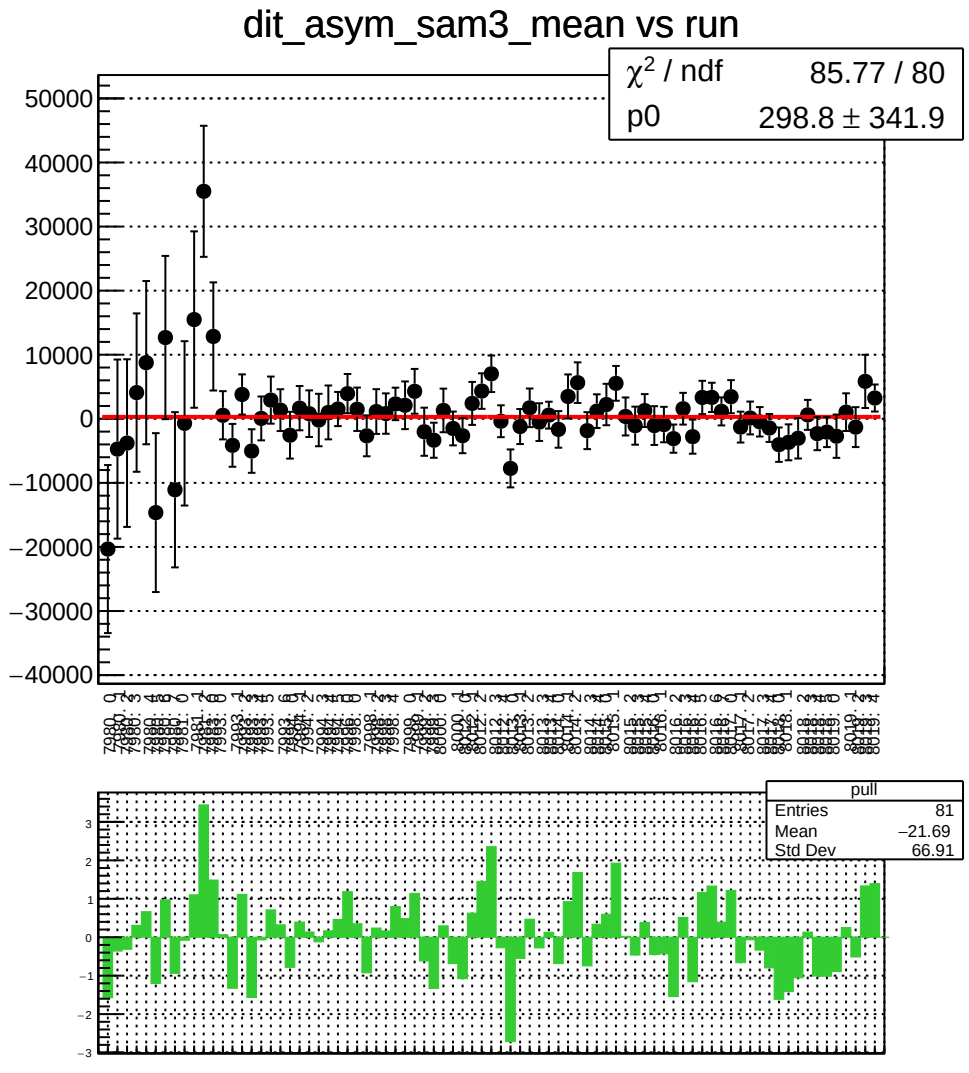

pull1D
Entries 81
Mean −0.008043
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

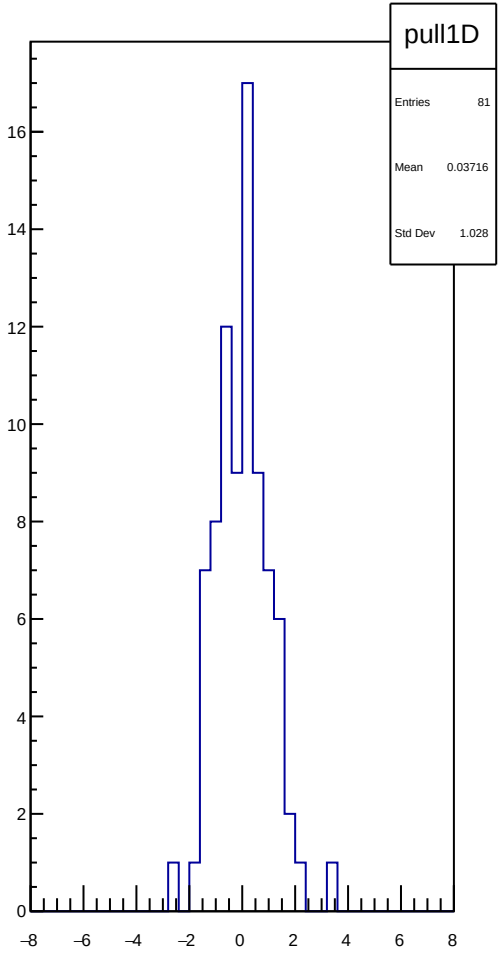

asym_sam2_correction_rms vs run
χ² / ndf 1.487e+04 / 80
p0 4347 ± 3.445
5500
5000
4500
4000
3500

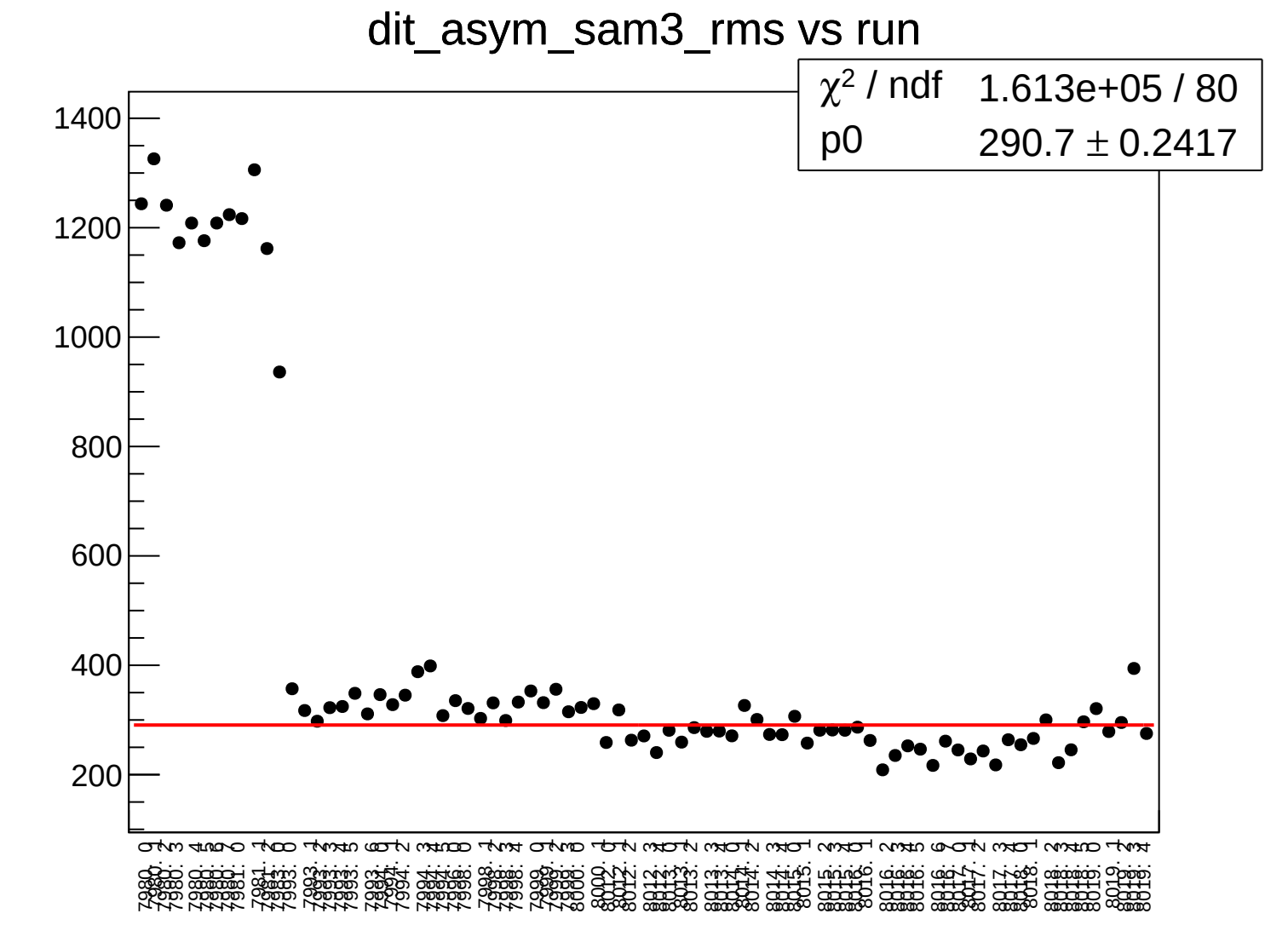

asym_sam2_mean vs run
χ^2 / ndf 94.6 / 80
p0 −8579 ± 4828
×10^3
250
200
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −17.48
Std Dev 25.27
3
2
1
0
−1
−2

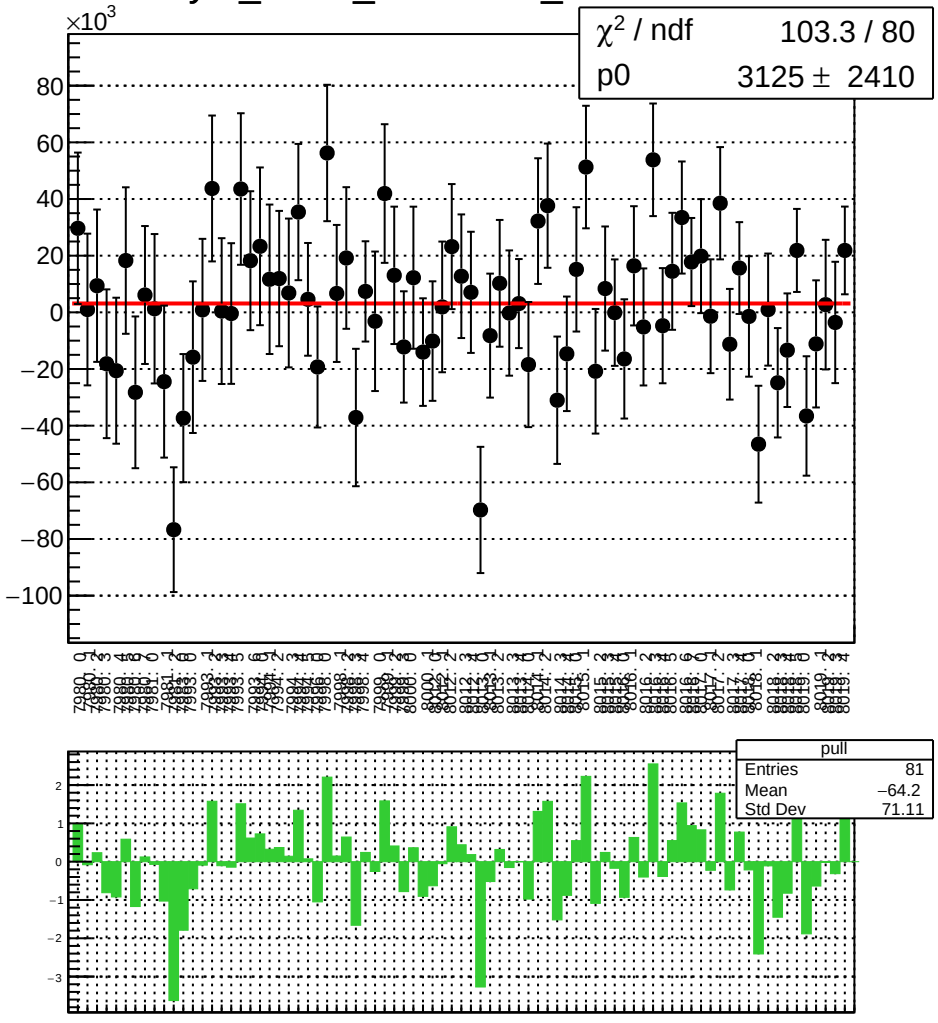

pull1D
Entries 81
Mean 0.01685
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

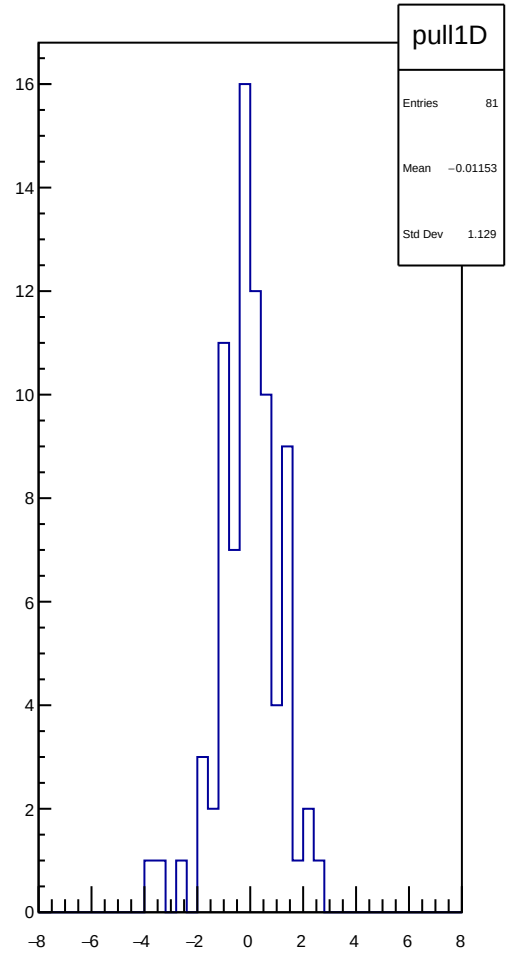

asym_sam2_rms vs run
χ² / ndf 2.819e+04 / 80
p0 4290 ± 3.414
6000
5500
5000
4500
4000
3500

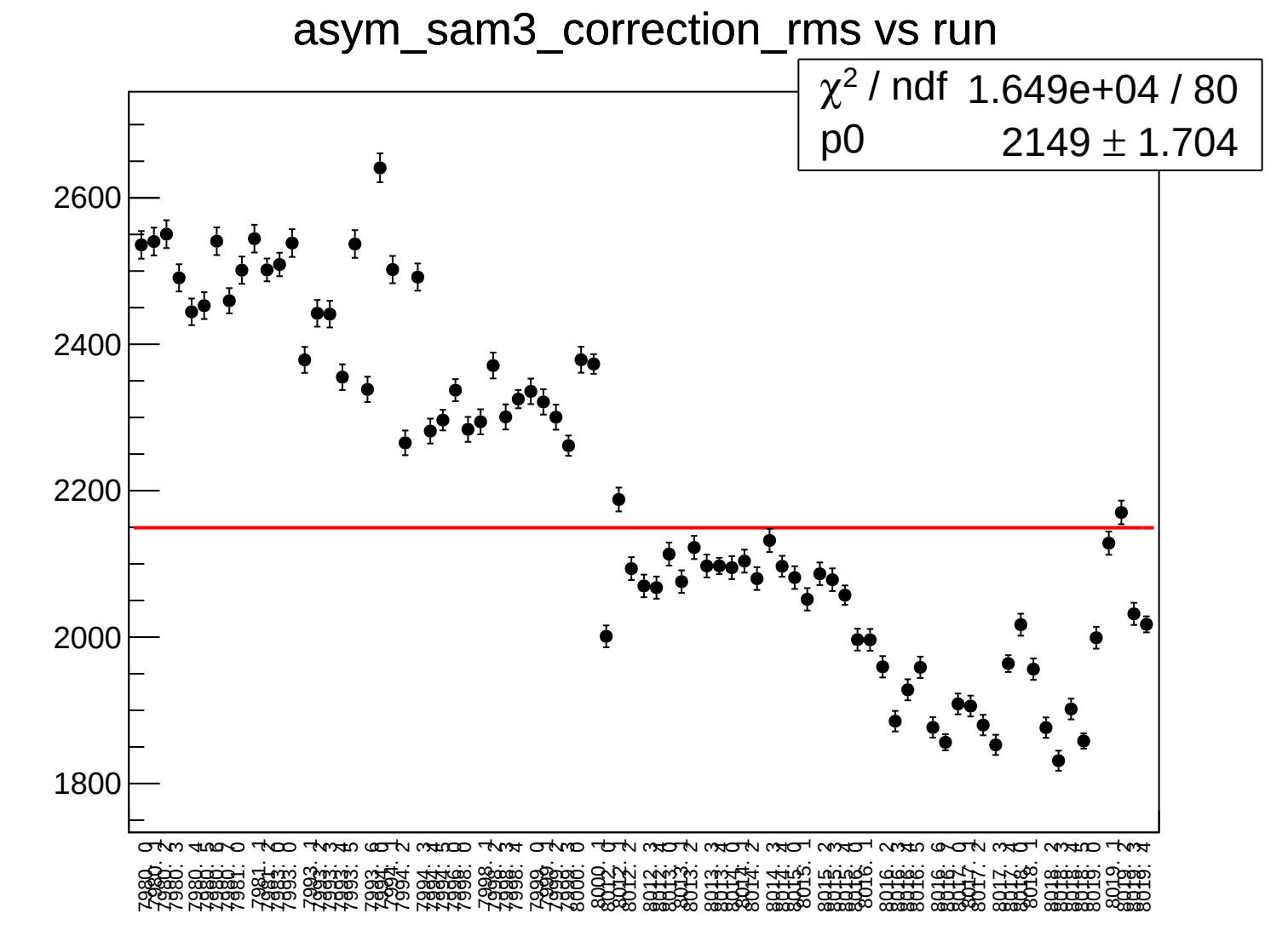

dit_asym_sam3_mean vs run
χ² / ndf 85.77 / 80
p0 298.8 ± 341.9
pull
Entries 81
Mean −21.69
Std Dev 66.91

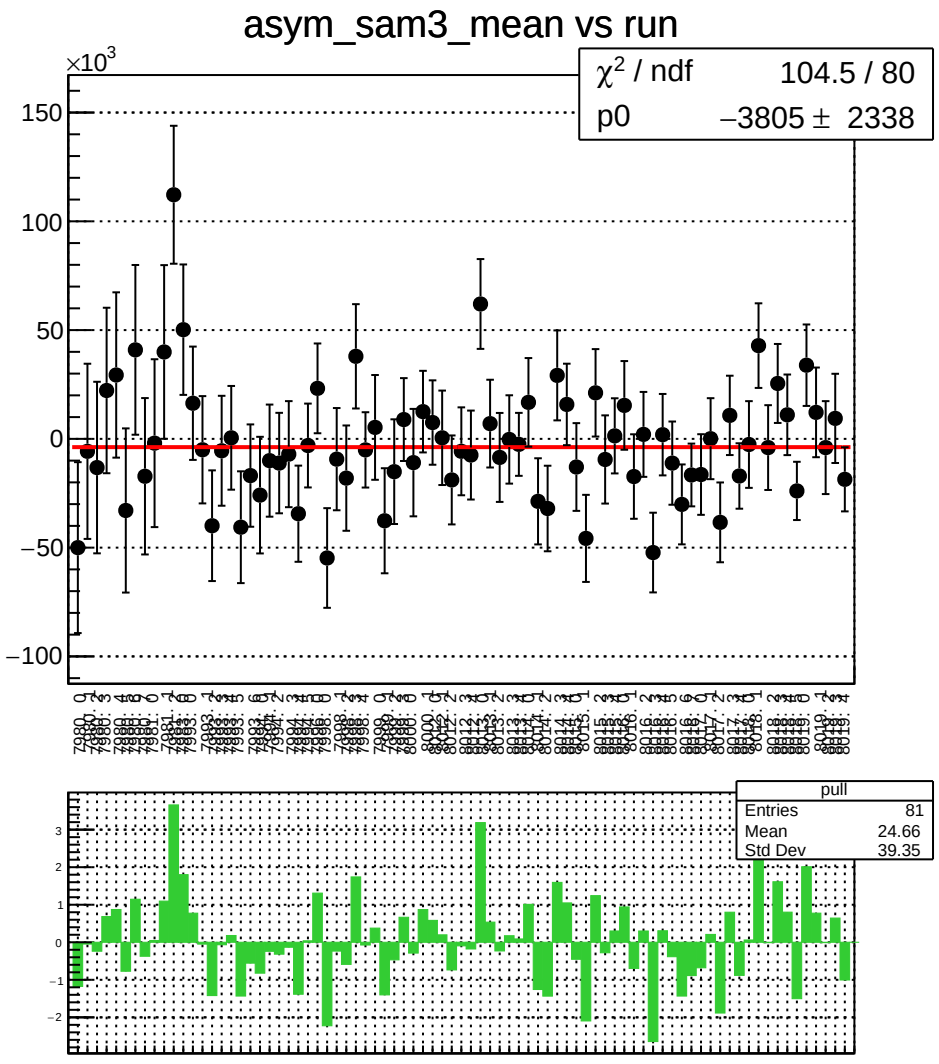

pull1D
Entries 81
Mean 0.03716
Std Dev 1.028

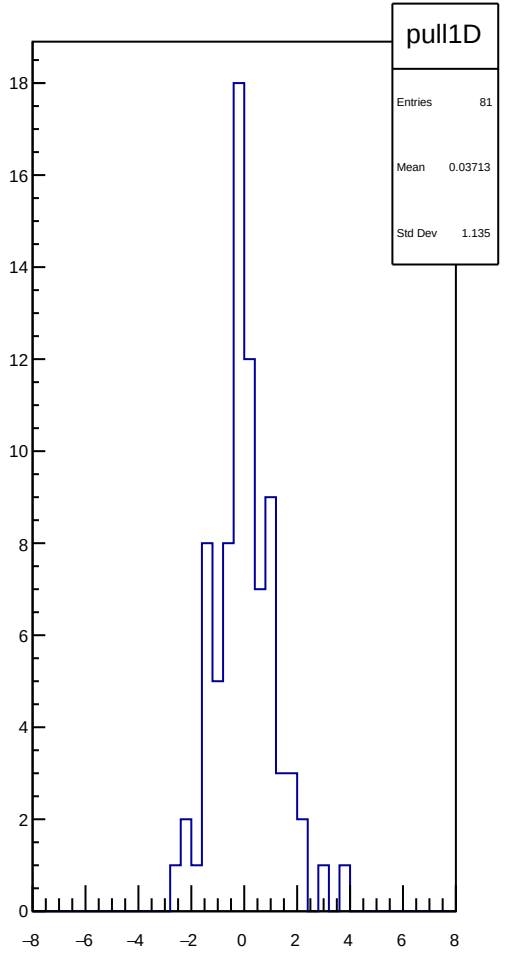

dit_asym_sam3_rms vs run
χ² / ndf 1.613e+05 / 80
p0 290.7 ± 0.2417
1400
1200
1000
800
600
400
200

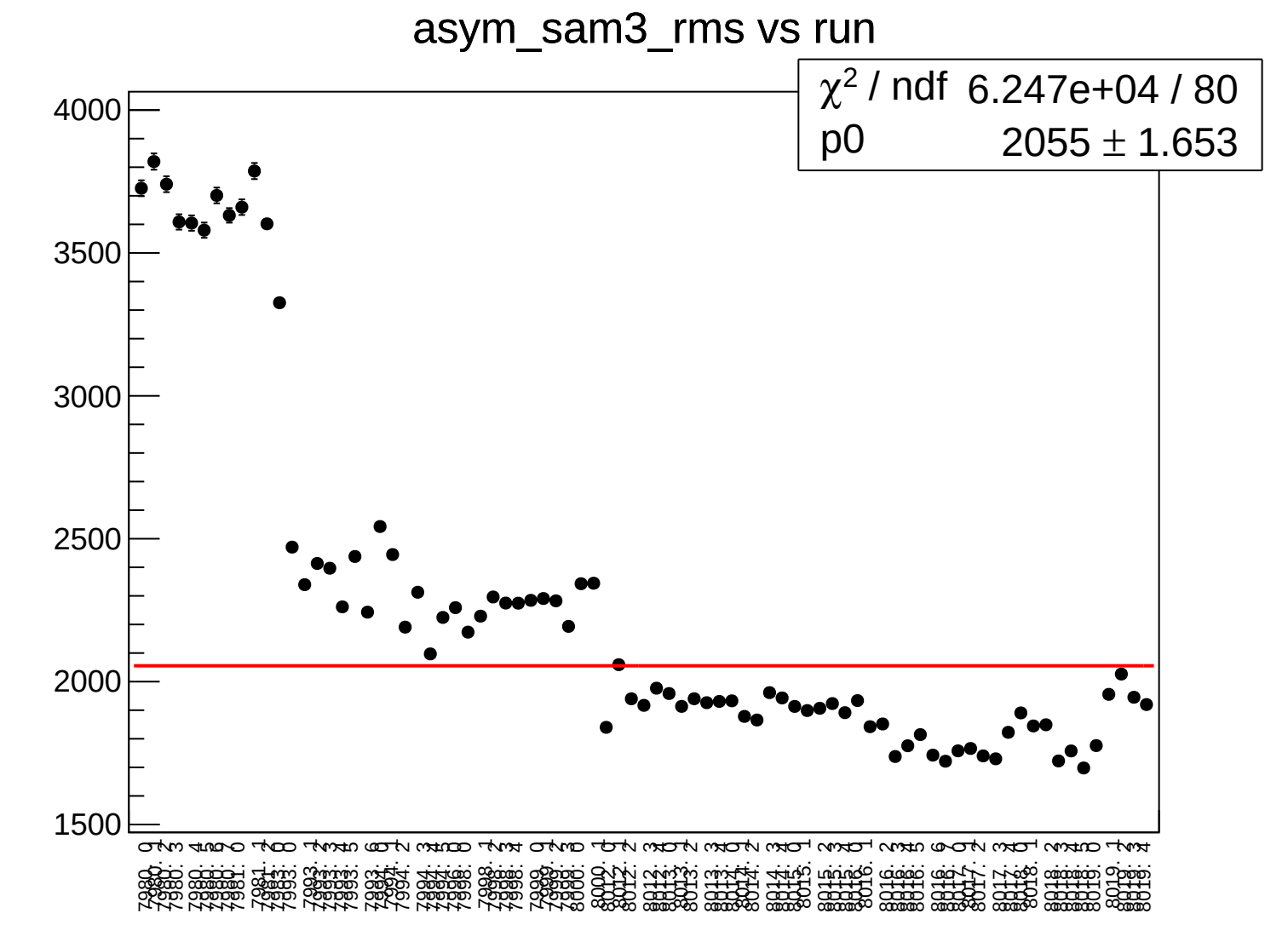

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 103.3 / 80
p0 3125 ± 2410
pull
Entries 81
Mean −64.2
Std Dev 71.11

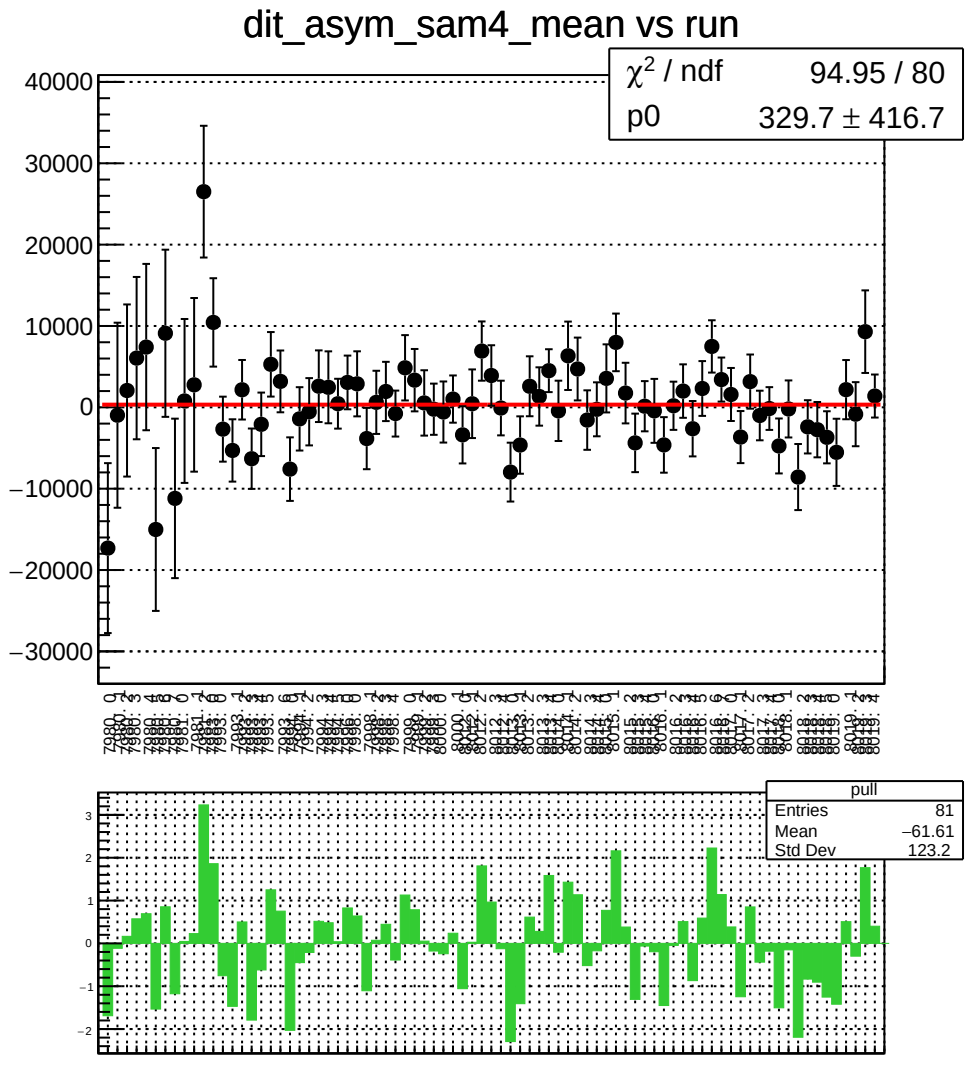

pull1D
Entries 81
Mean −0.01153
Std Dev 1.129

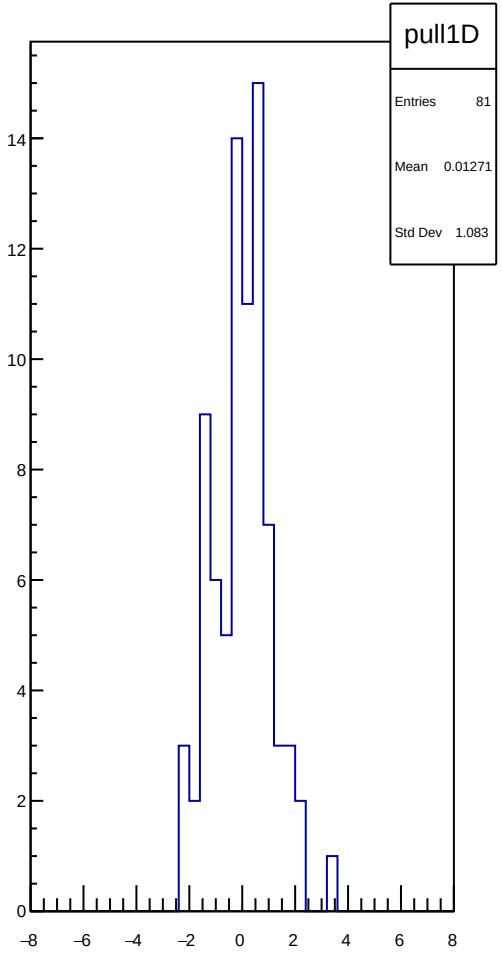

asym_sam3_correction_rms vs run
χ² / ndf 1.649e+04 / 80
p0 2149 ± 1.704
2600
2400
2200
2000
1800

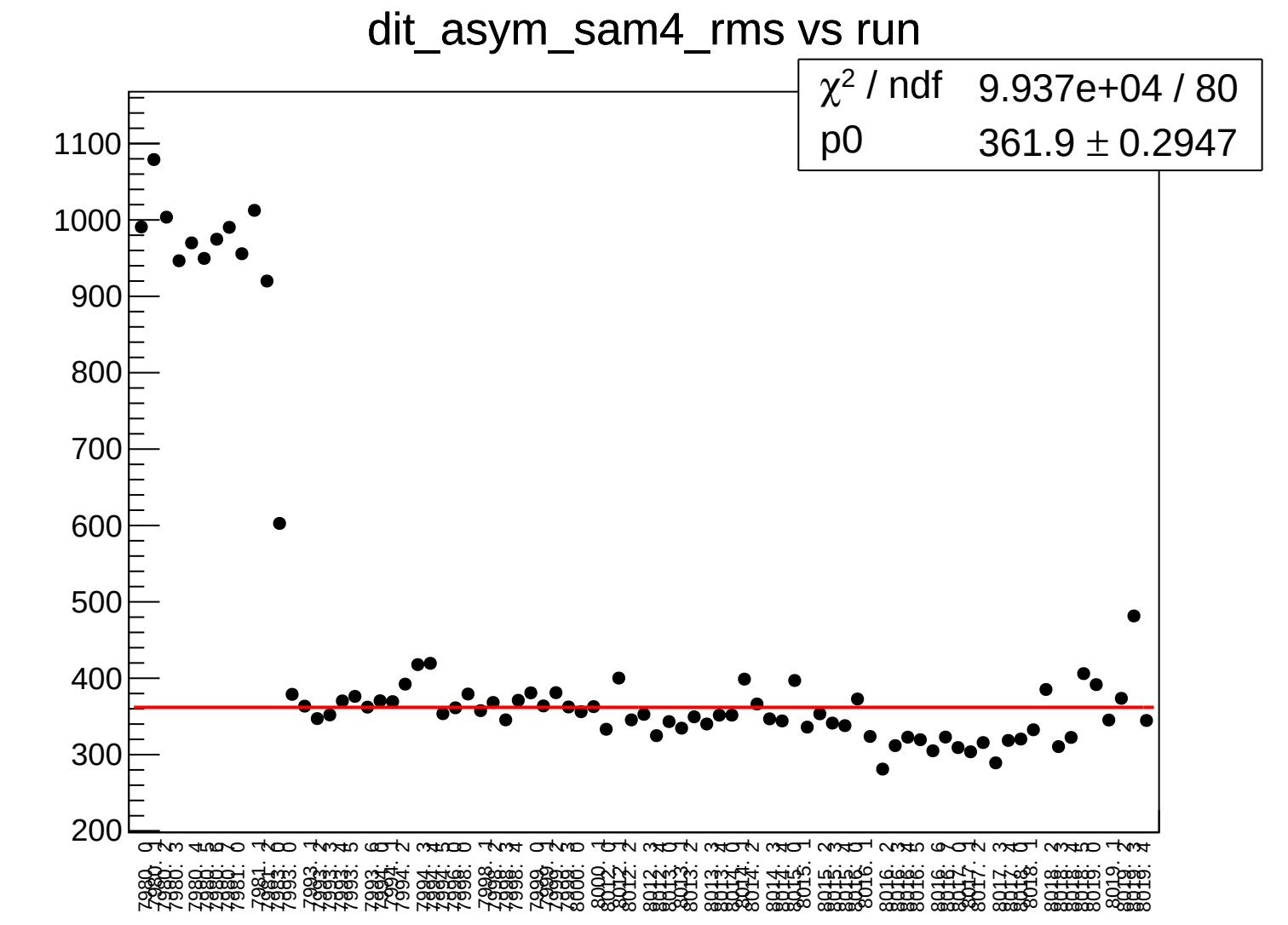

asym_sam3_mean vs run
×10^3
χ² / ndf 104.5 / 80
p0 −3805 ± 2338
150
100
50
0
−50
−100
pull
Entries 81
Mean 24.66
Std Dev 39.35
3
2
1
0
−1
−2

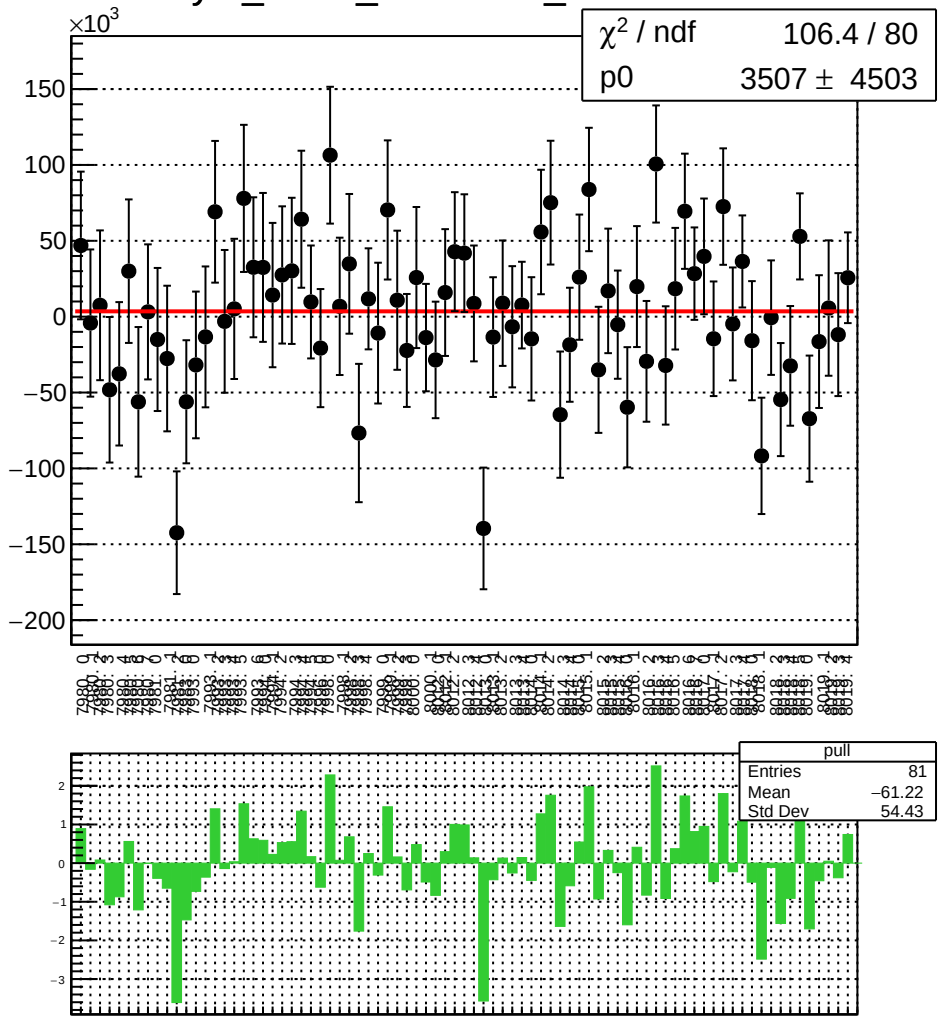

pull1D
Entries 81
Mean 0.03713
Std Dev 1.135
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

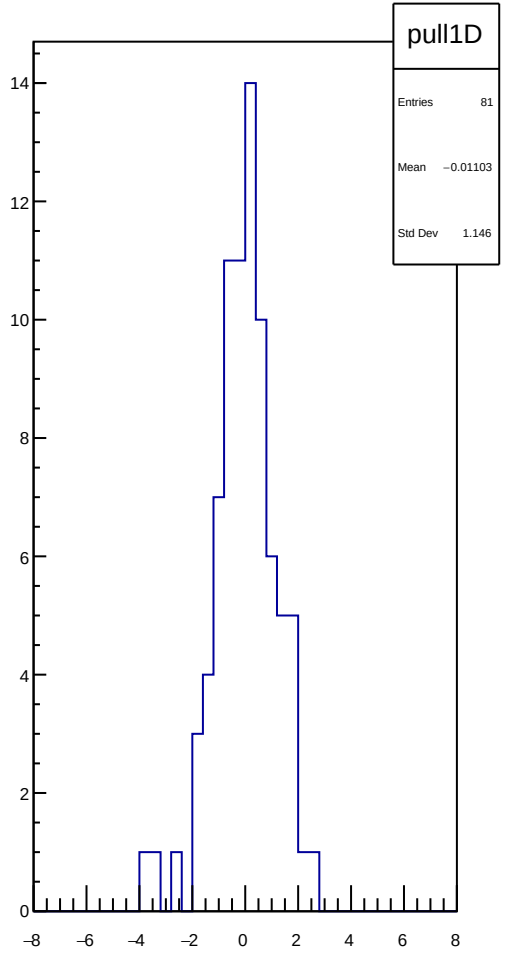

asym_sam3_rms vs run
χ² / ndf 6.247e+04 / 80
p0 2055 ± 1.653
4000
3500
3000
2500
2000
1500

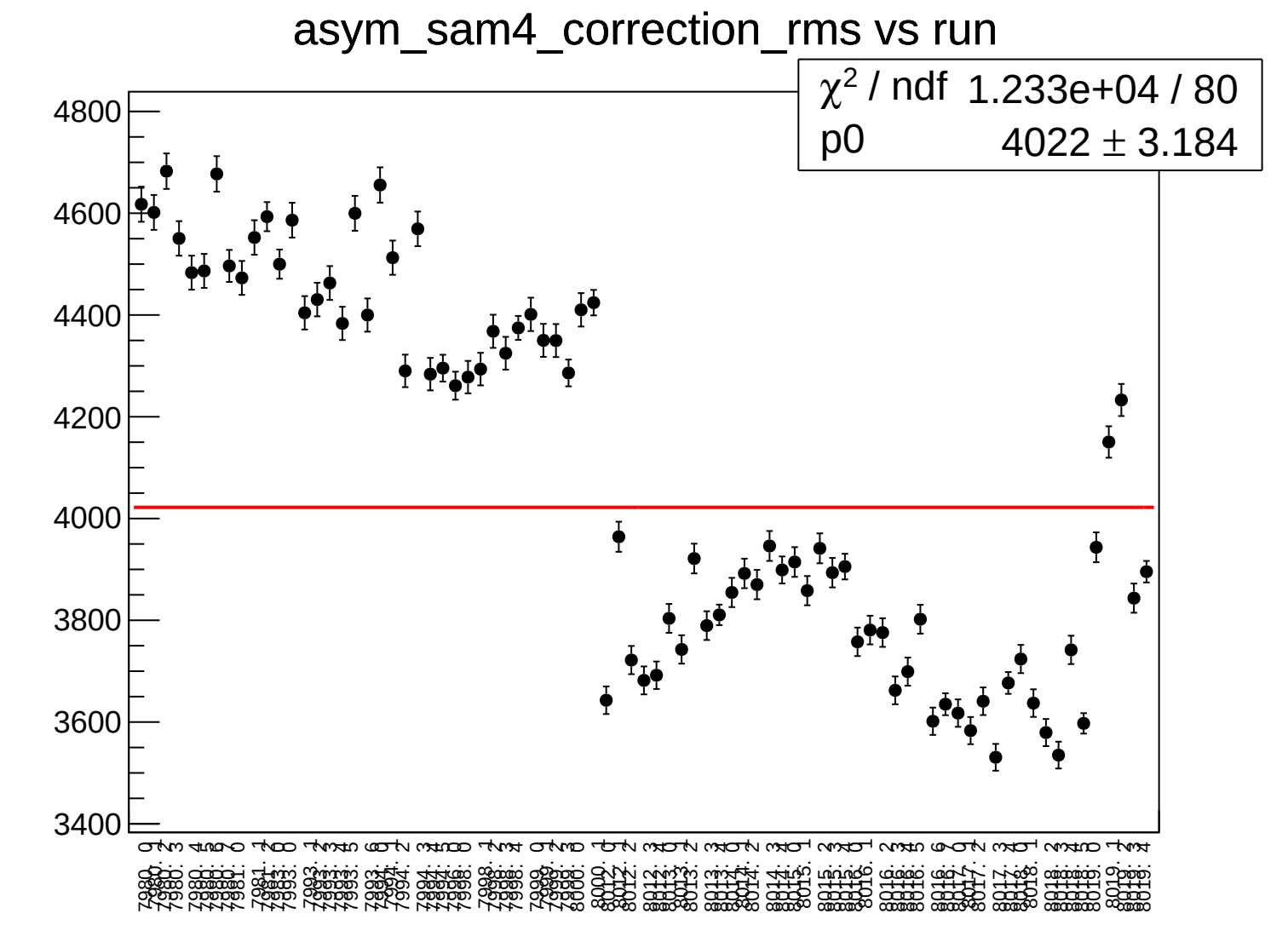

dit_asym_sam4_mean vs run
χ² / ndf 94.95 / 80
p0 329.7 ± 416.7
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −61.61
Std Dev 123.2
3
2
1
0
−1
−2

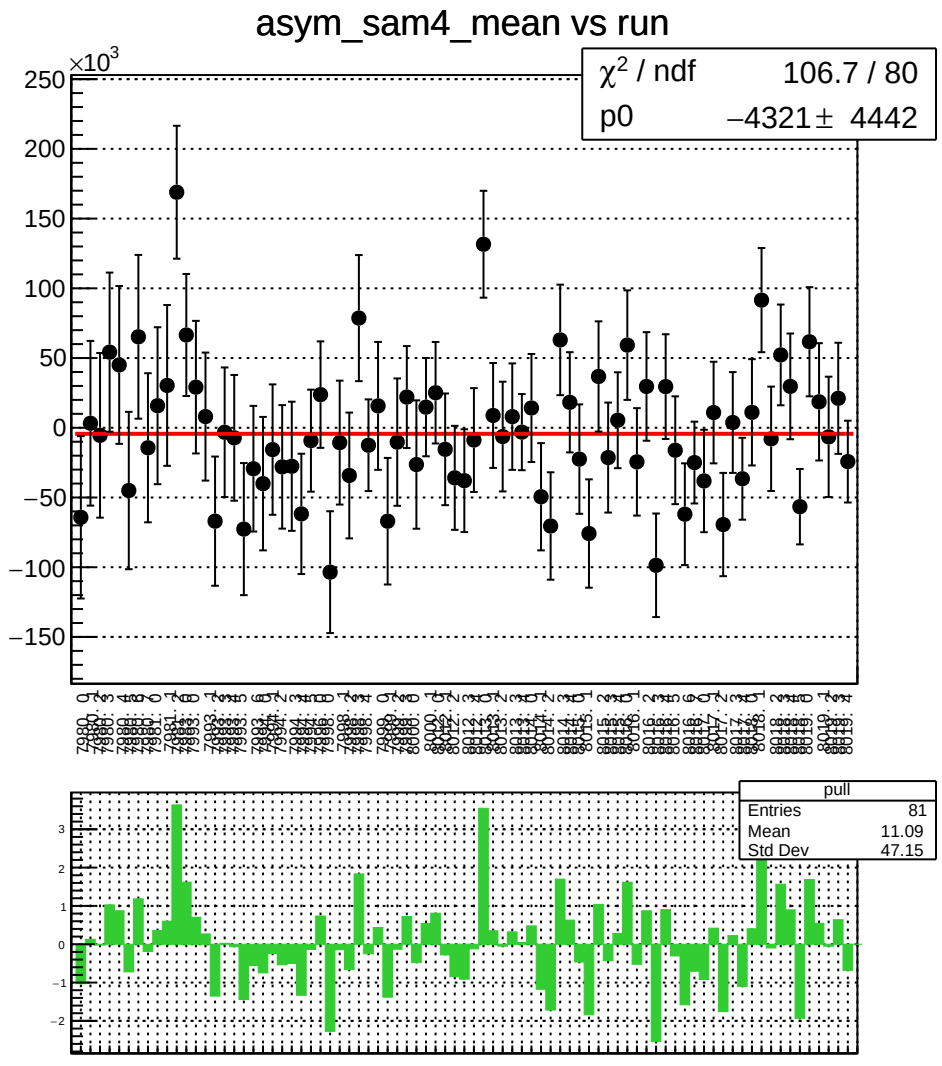

pull1D
Entries 81
Mean 0.01271
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

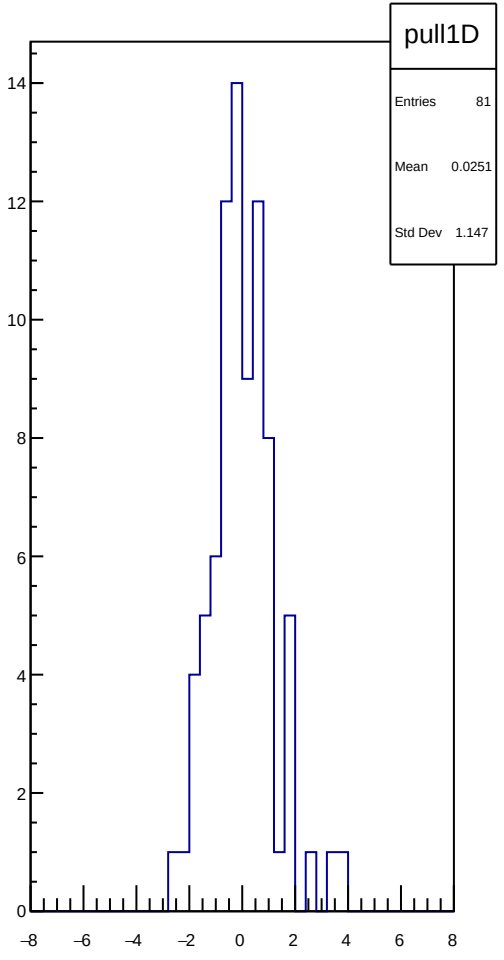

dit_asym_sam4_rms vs run
χ² / ndf 9.937e+04 / 80
p0 361.9 ± 0.2947
1100
1000
900
800
700
600
500
400
300
200

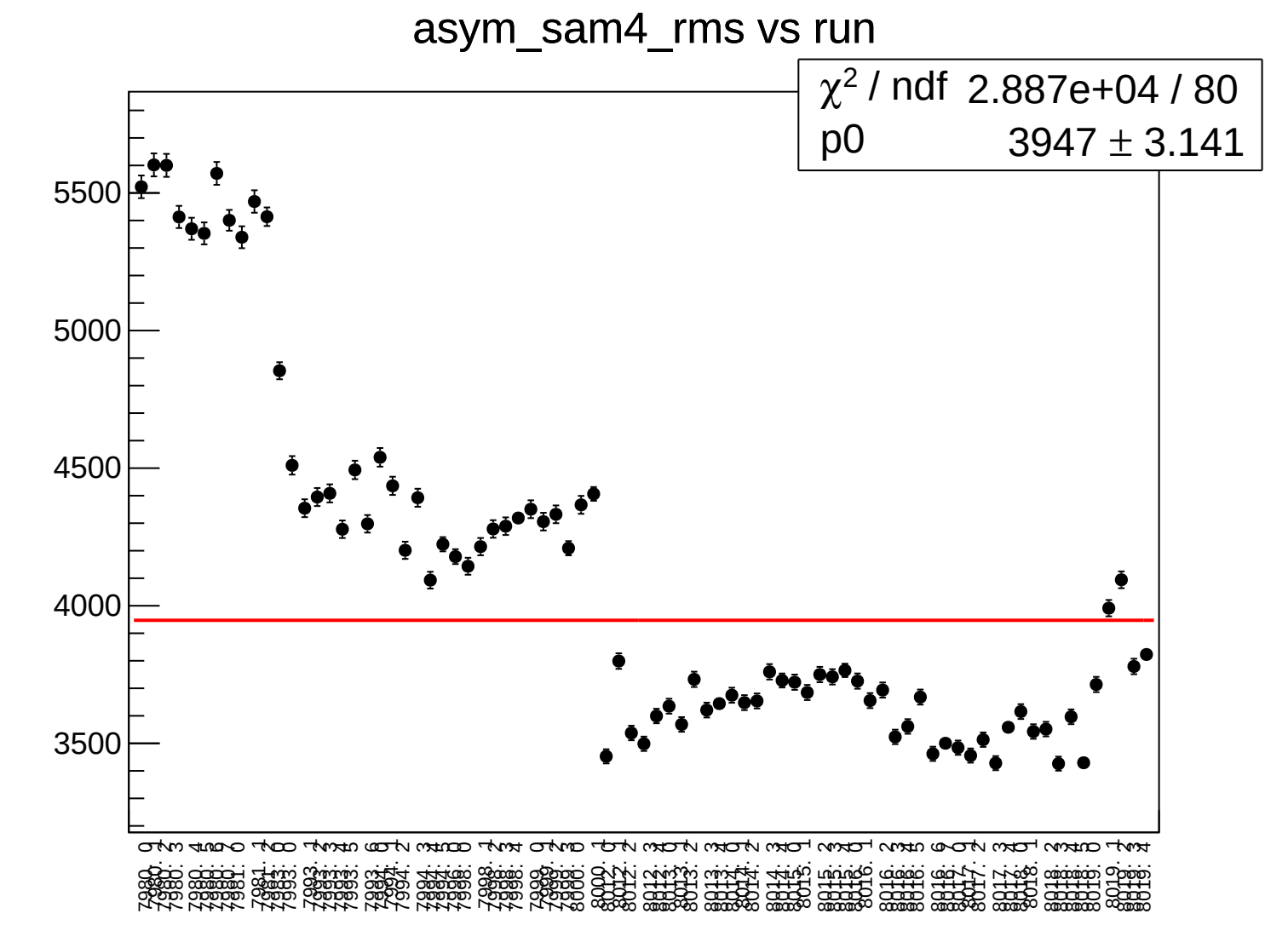

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 106.4 / 80
p0 3507 ± 4503
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −61.22
Std Dev 54.43
2
1
0
−1
−2
−3

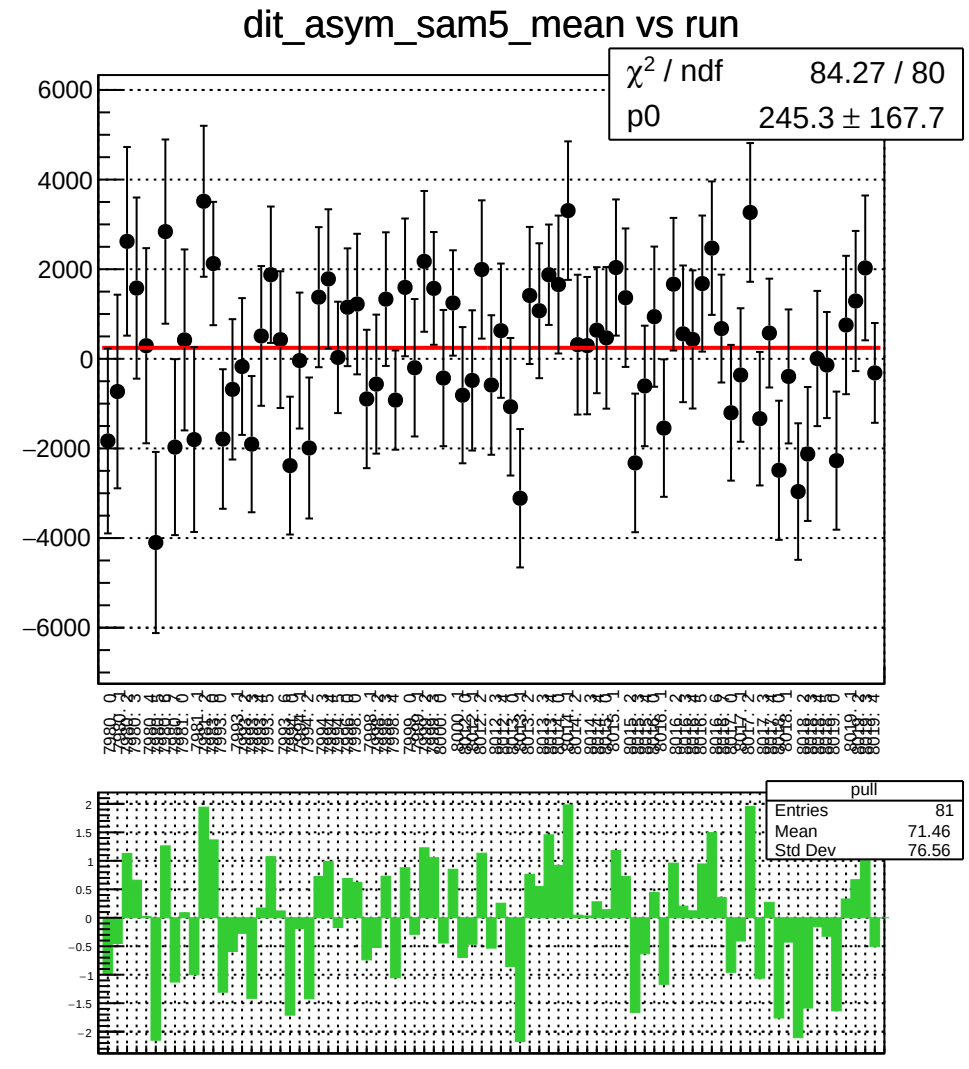

pull1D
Entries 81
Mean −0.01103
Std Dev 1.146
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

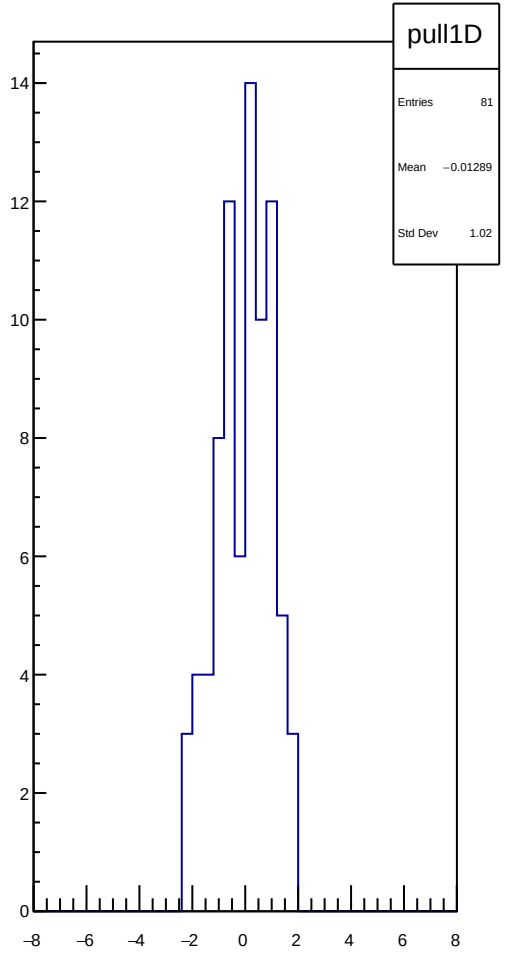

asym_sam4_correction_rms vs run
χ² / ndf 1.233e+04 / 80
p0 4022 ± 3.184
4800
4600
4400
4200
4000
3800
3600
3400

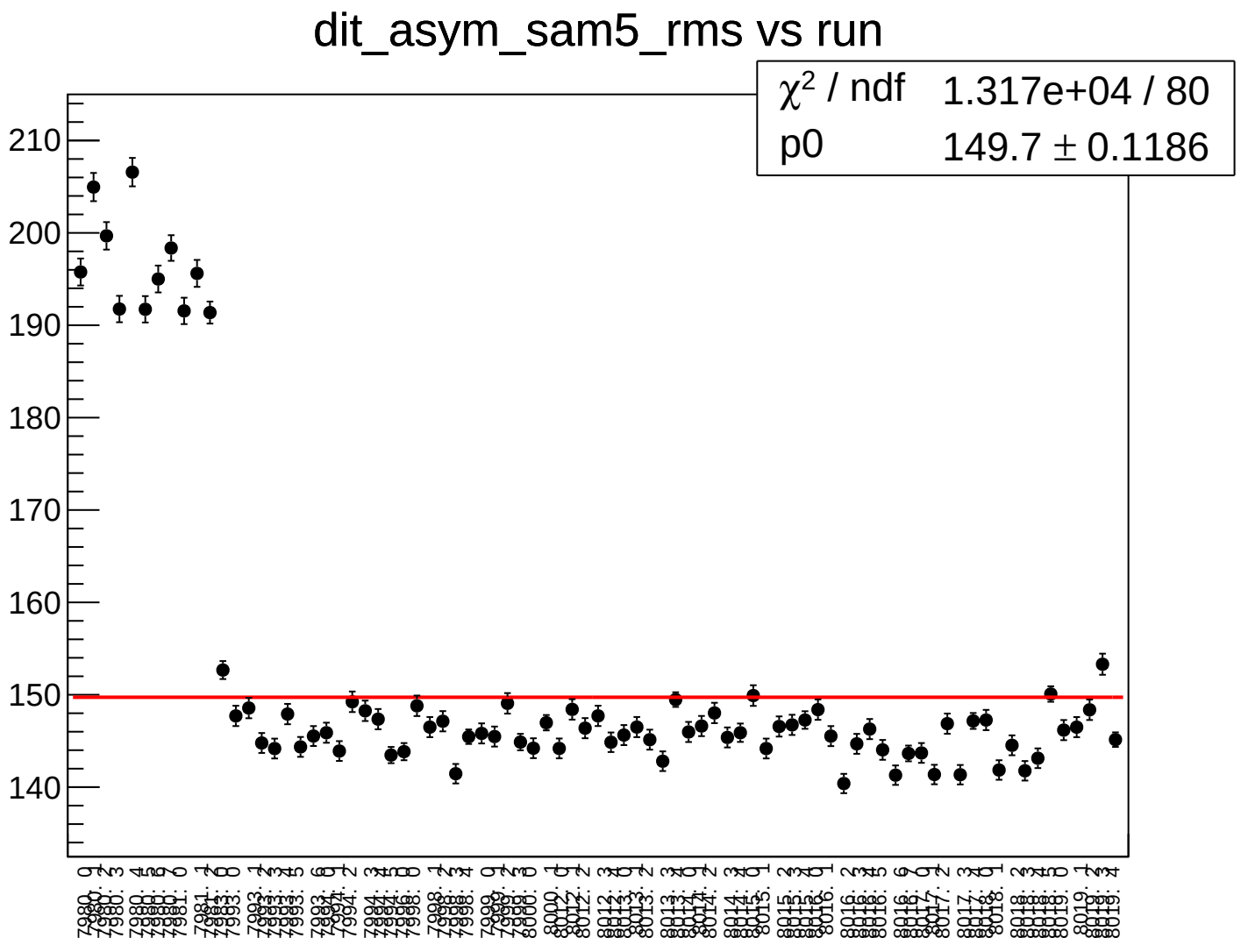

asym_sam4_mean vs run
×10^3
χ² / ndf 106.7 / 80
p0 −4321 ± 4442
pull
Entries 81
Mean 11.09
Std Dev 47.15

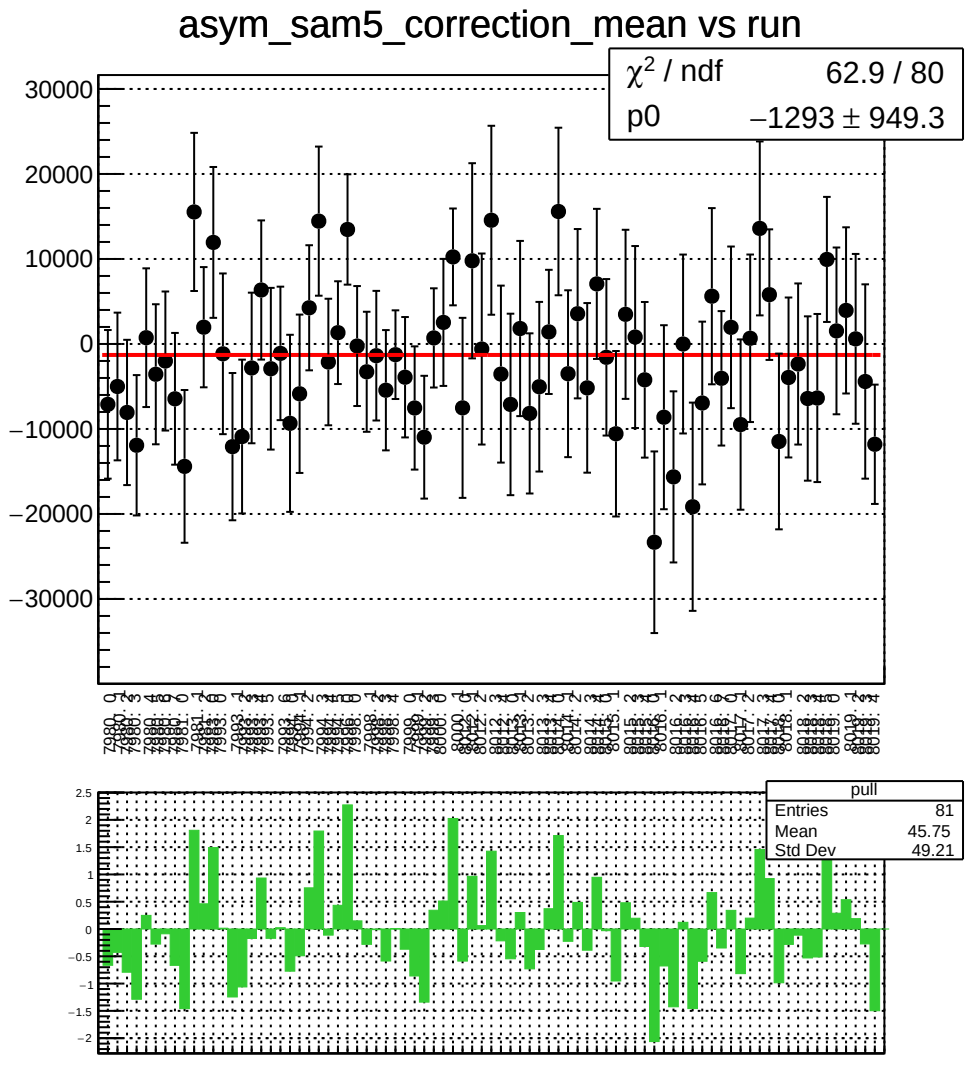

pull1D
Entries 81
Mean 0.0251
Std Dev 1.147

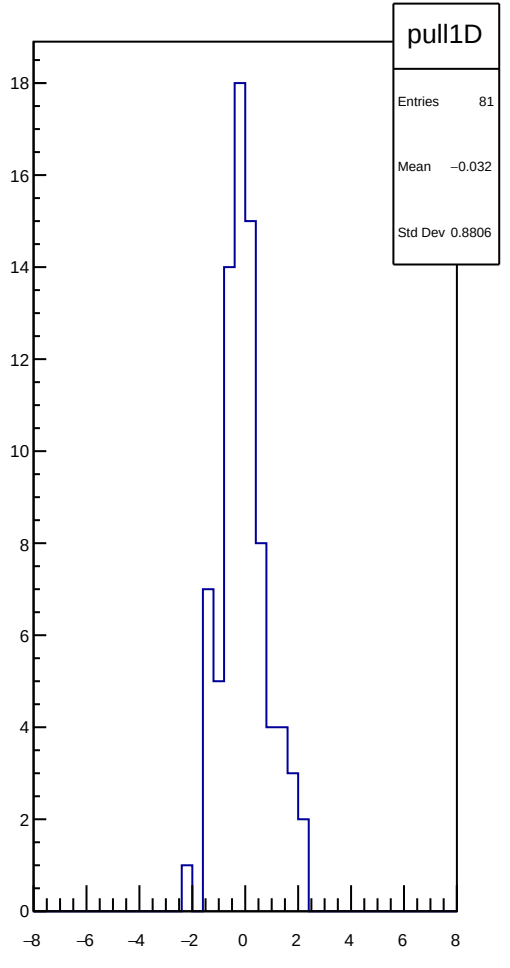

asym_sam4_rms vs run
χ² / ndf 2.887e+04 / 80
p0 3947 ± 3.141
5500
5000
4500
4000
3500

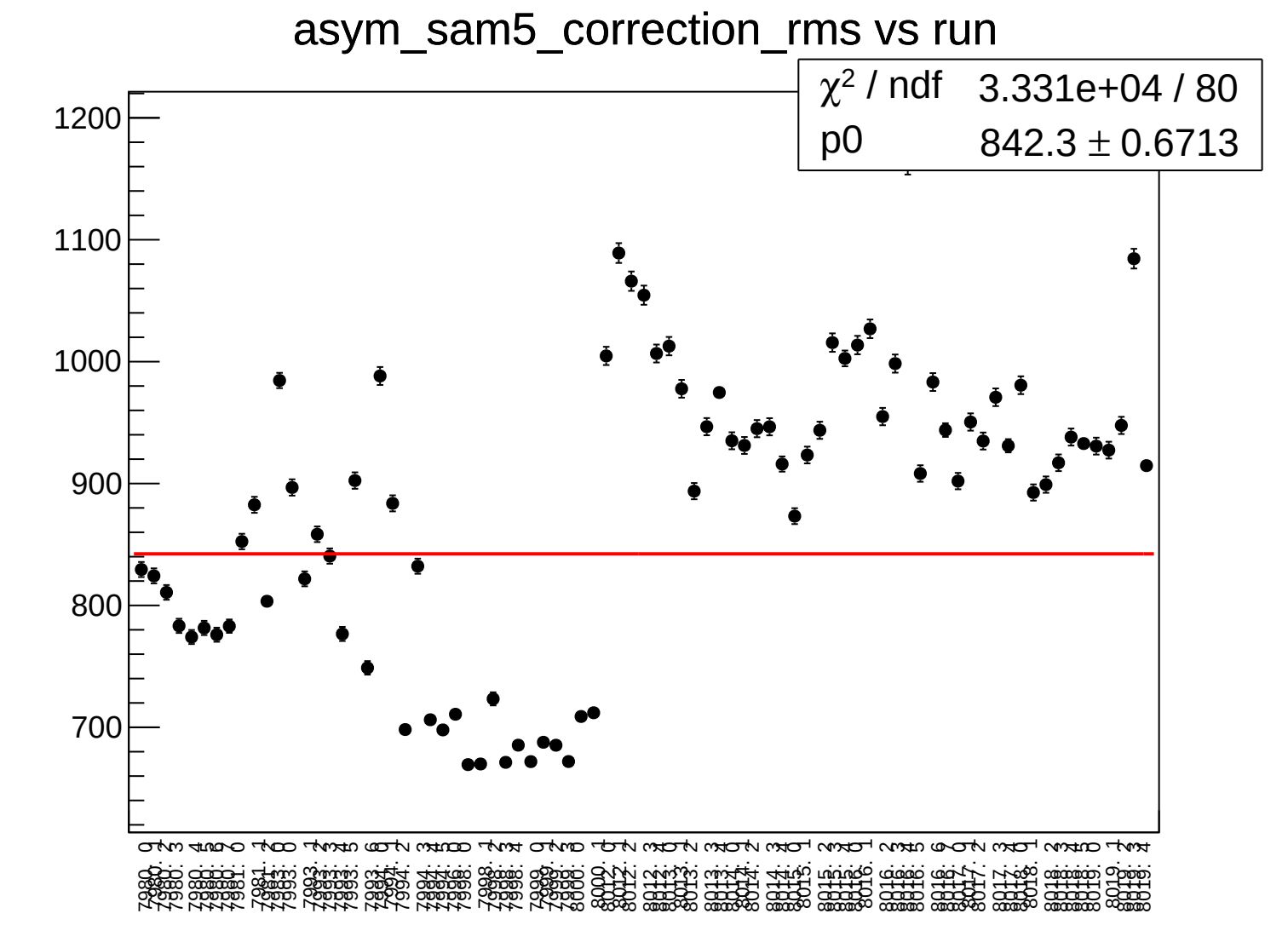

dit_asym_sam5_mean vs run
χ^2 / ndf 84.27 / 80
p0 245.3 ± 167.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 71.46
Std Dev 76.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

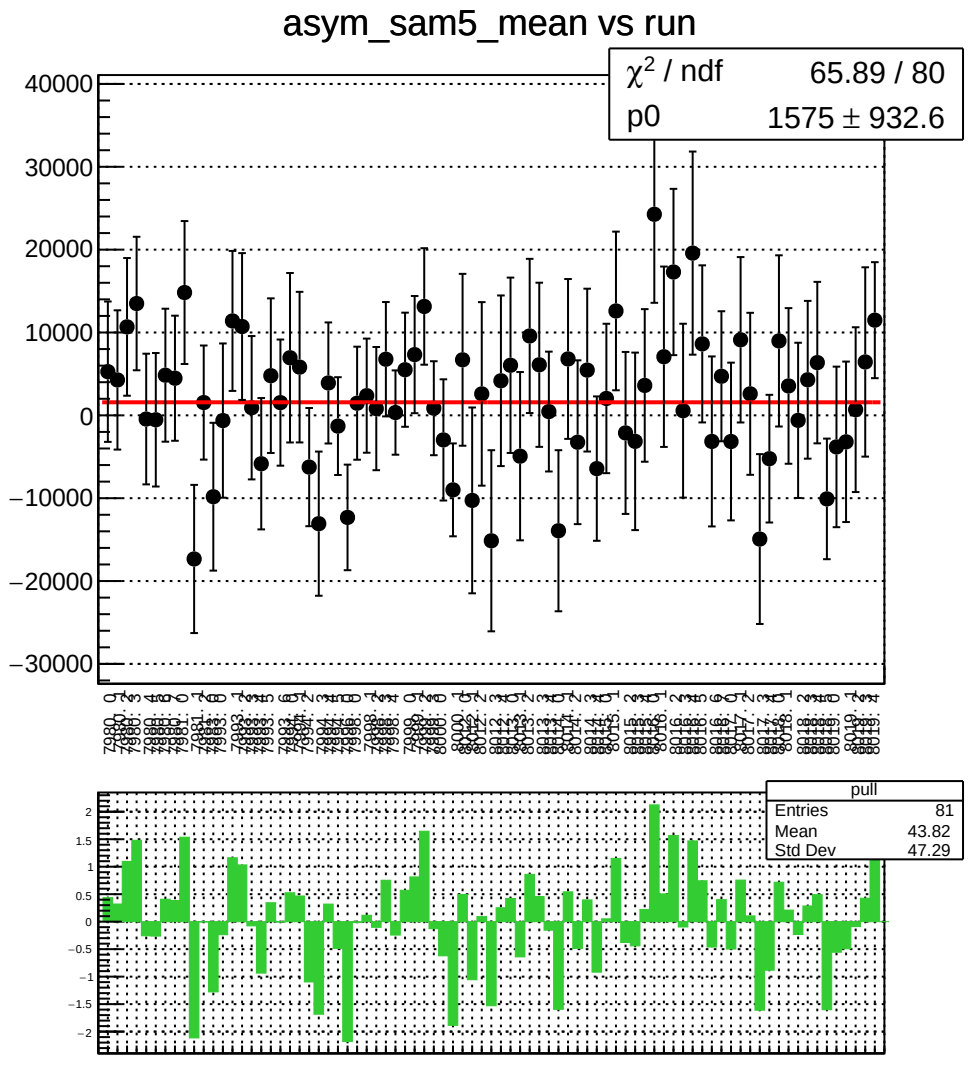

pull1D
Entries 81
Mean −0.01289
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

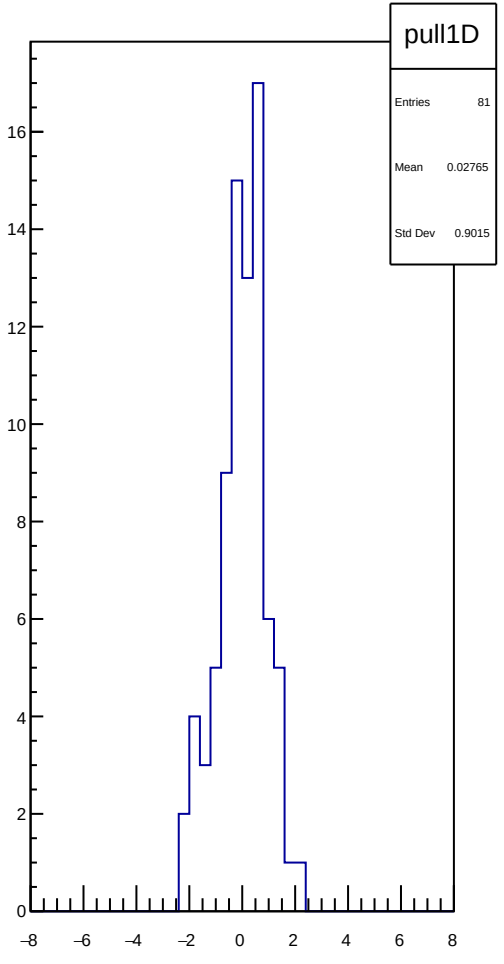

dit_asym_sam5_rms vs run
χ² / ndf 1.317e+04 / 80
p0 149.7 ± 0.1186
210
200
190
180
170
160
150
140

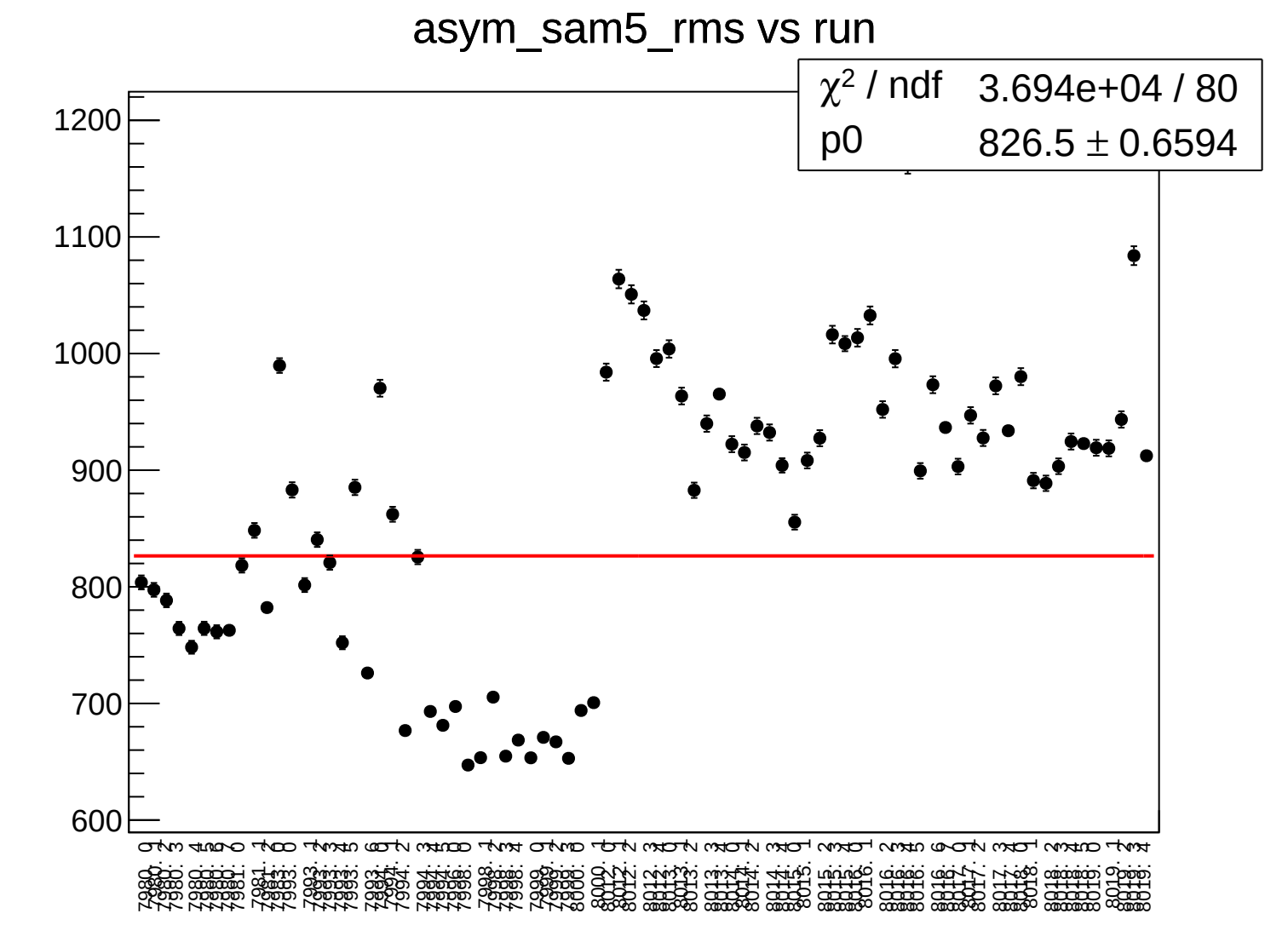

asym_sam5_correction_mean vs run
χ² / ndf 62.9 / 80
p0 −1293 ± 949.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 45.75
Std Dev 49.21
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

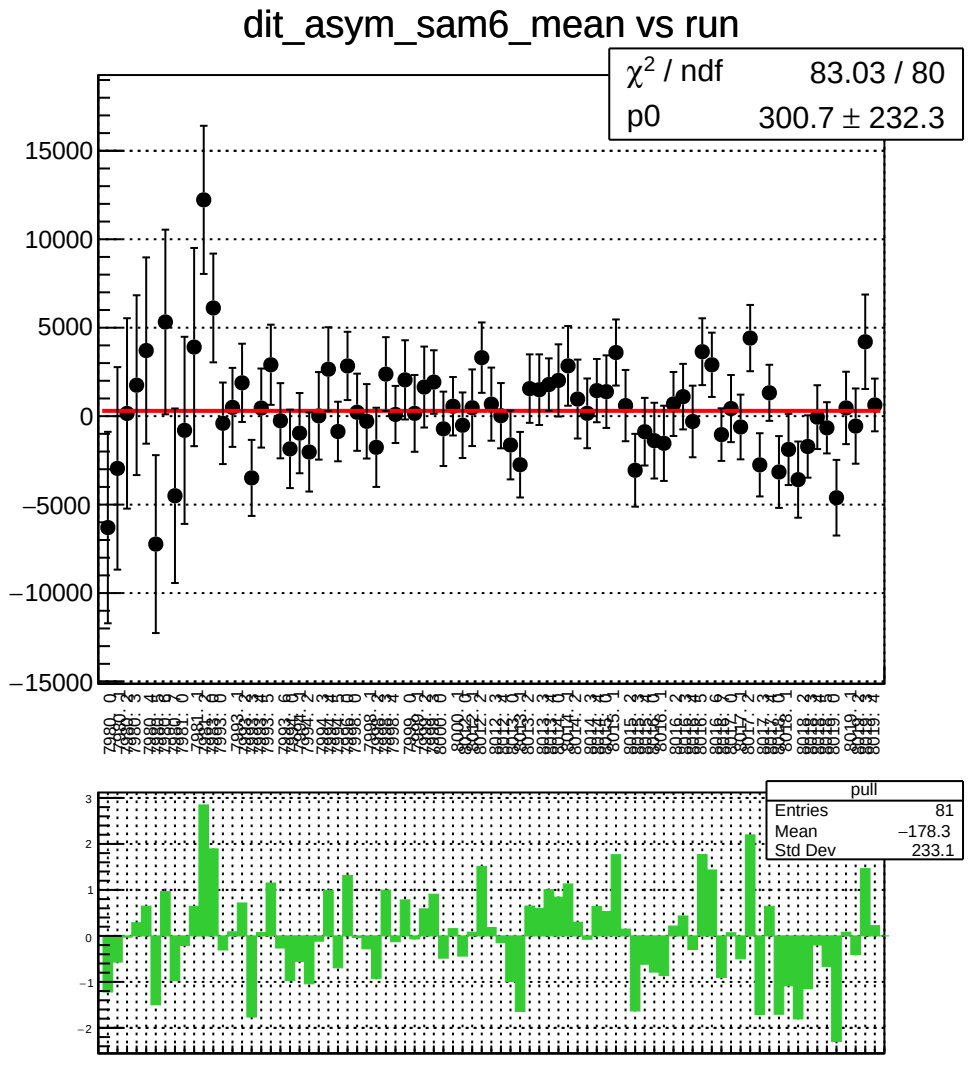

pull1D
Entries 81
Mean −0.032
Std Dev 0.8806
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

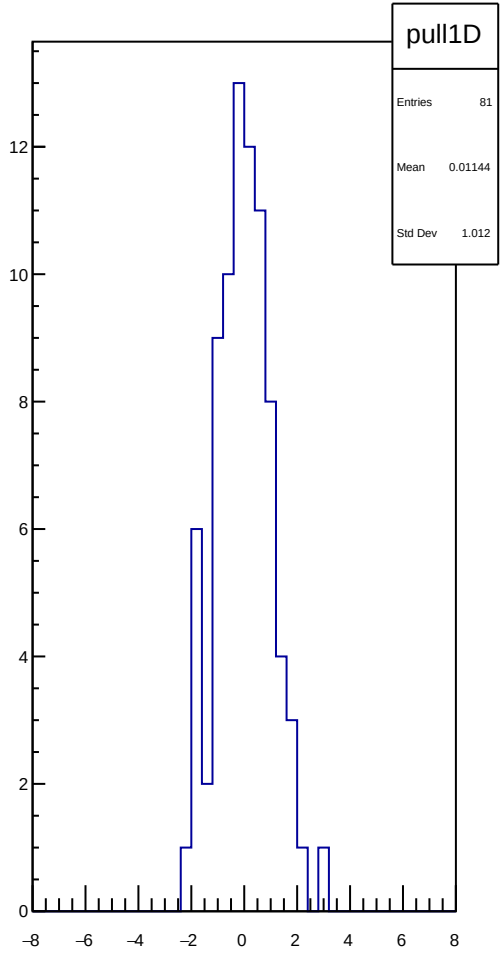

asym_sam5_correction_rms vs run
χ² / ndf 3.331e+04 / 80
p0 842.3 ± 0.6713
1200
1100
1000
900
800
700

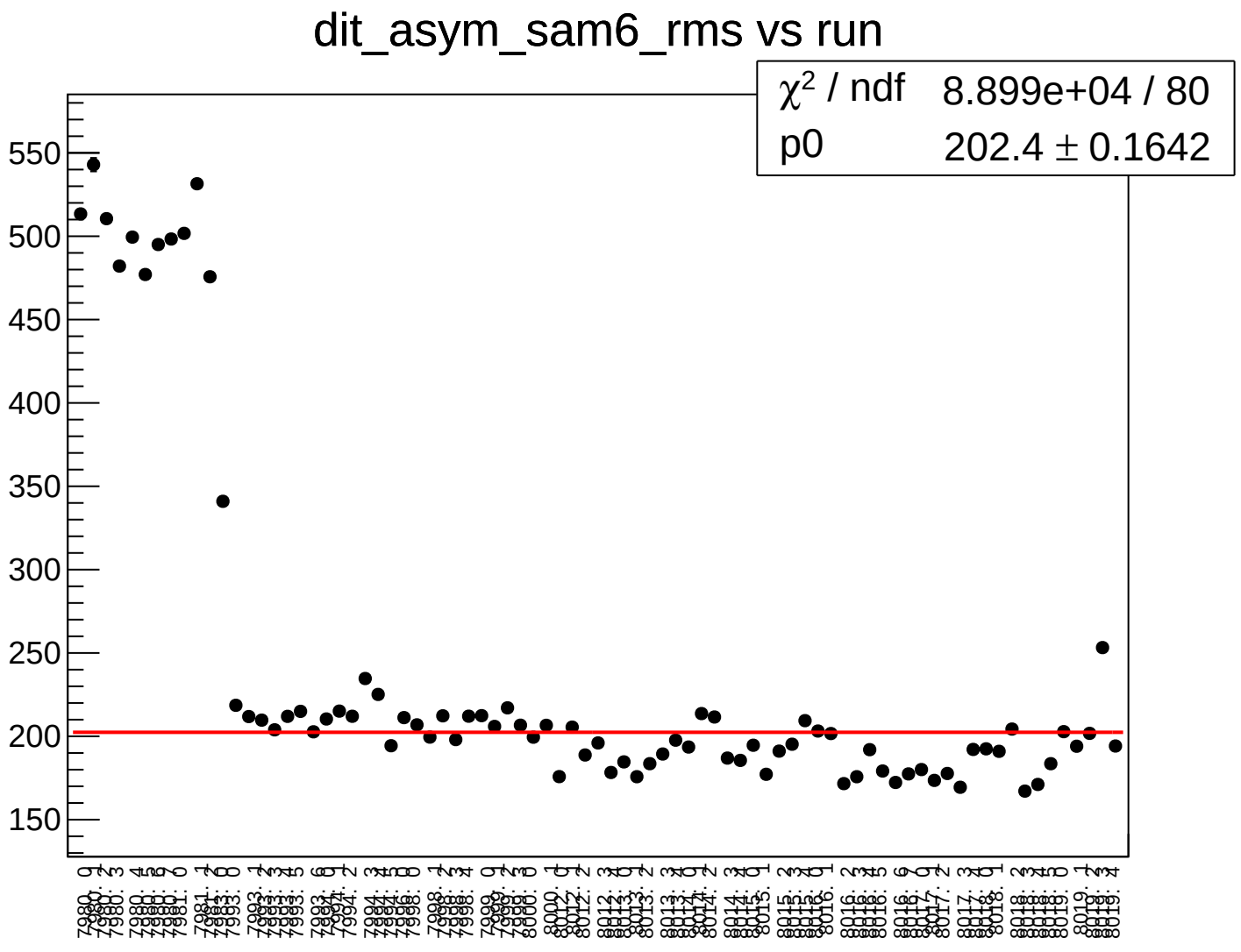

asym_sam5_mean vs run
χ^2 / ndf 65.89 / 80
p0 1575 ± 932.6
pull
Entries 81
Mean 43.82
Std Dev 47.29

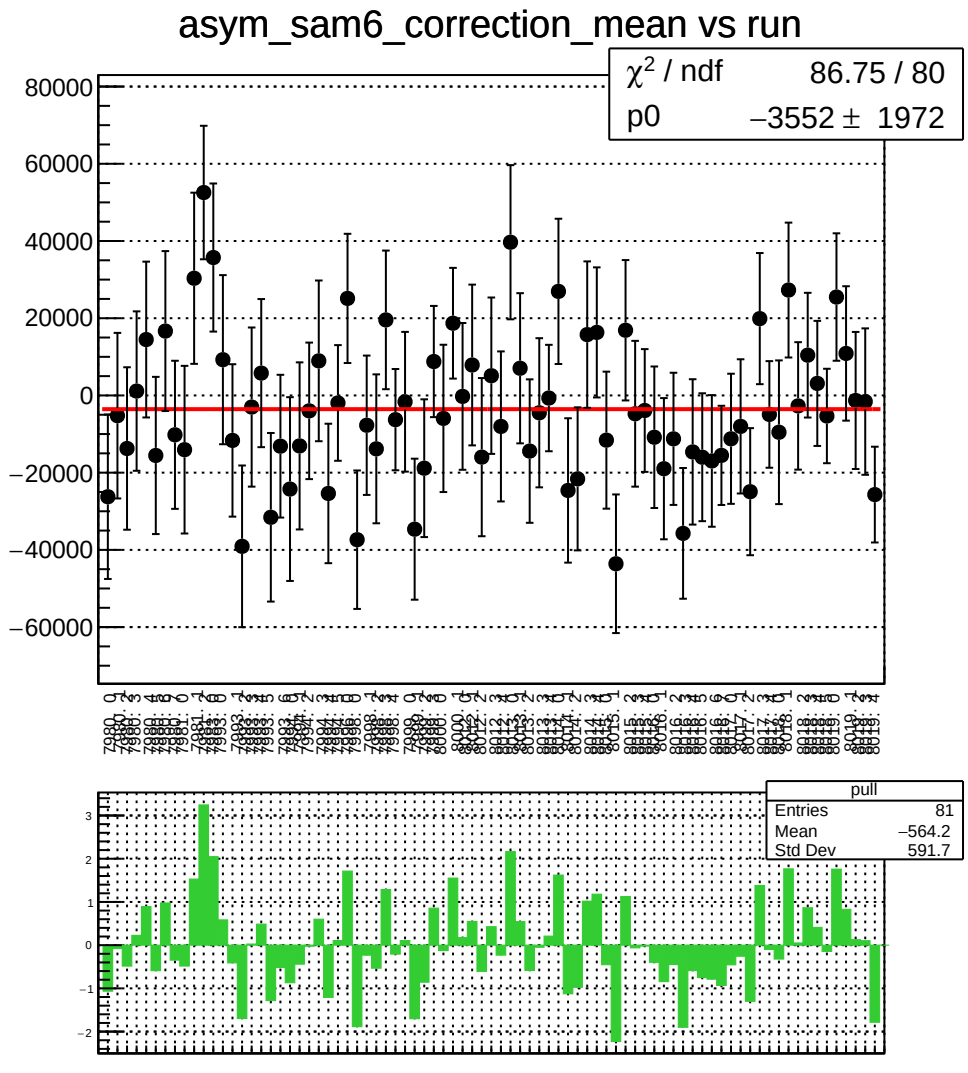

pull1D
Entries 81
Mean 0.02765
Std Dev 0.9015

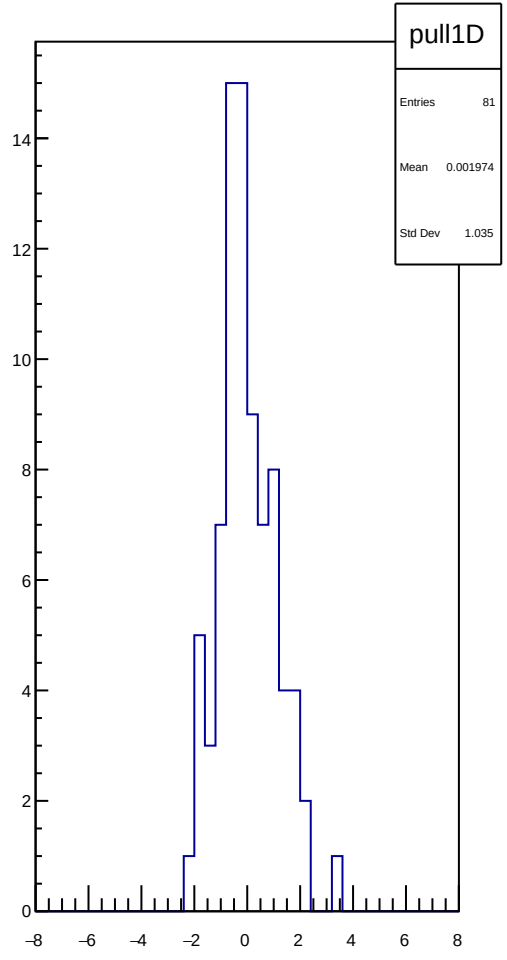

asym_sam5_rms vs run
χ² / ndf 3.694e+04 / 80
p0 826.5 ± 0.6594
1200
1100
1000
900
800
700
600

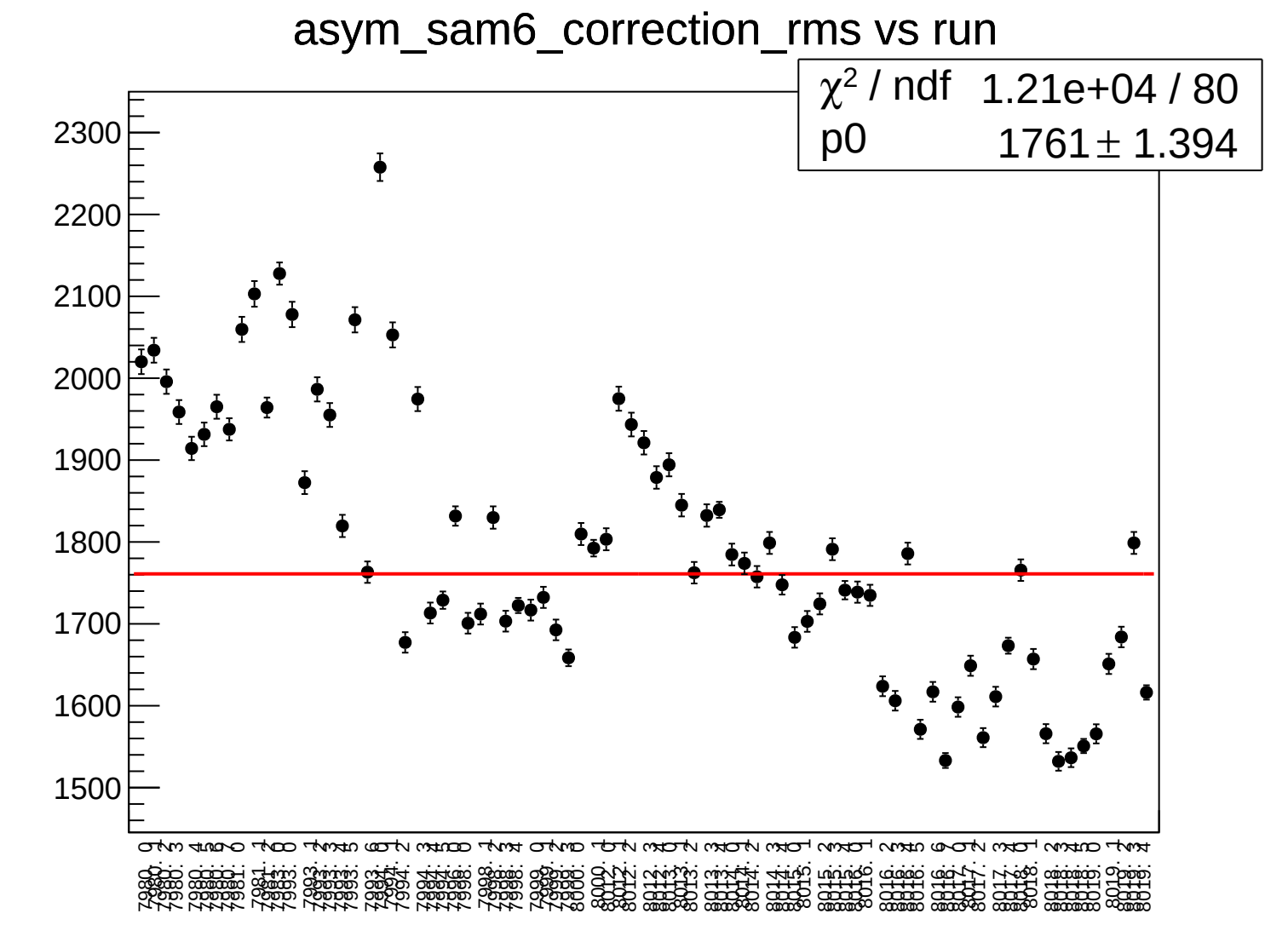

dit_asym_sam6_mean vs run
χ² / ndf 83.03 / 80
p0 300.7 ± 232.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −178.3
Std Dev 233.1
3
2
1
0
−1
−2

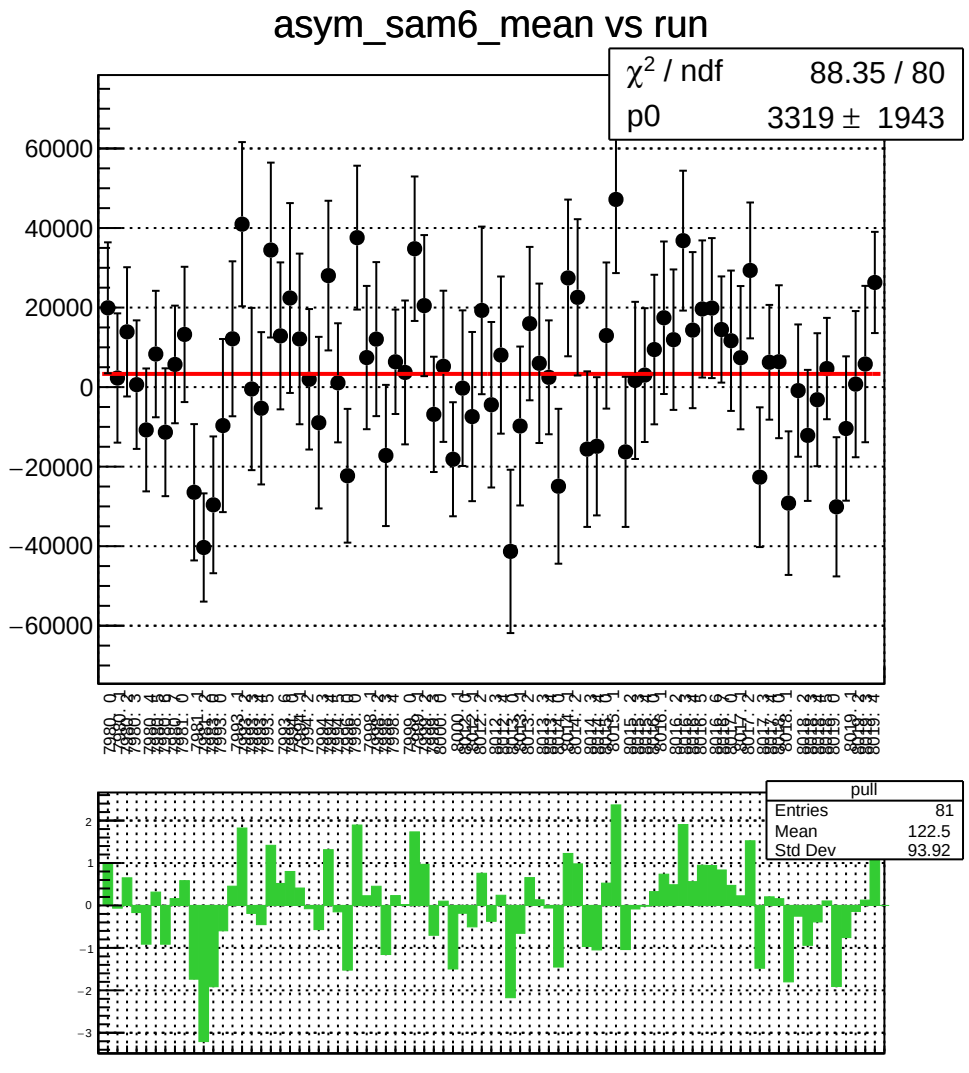

pull1D
Entries 81
Mean 0.01144
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

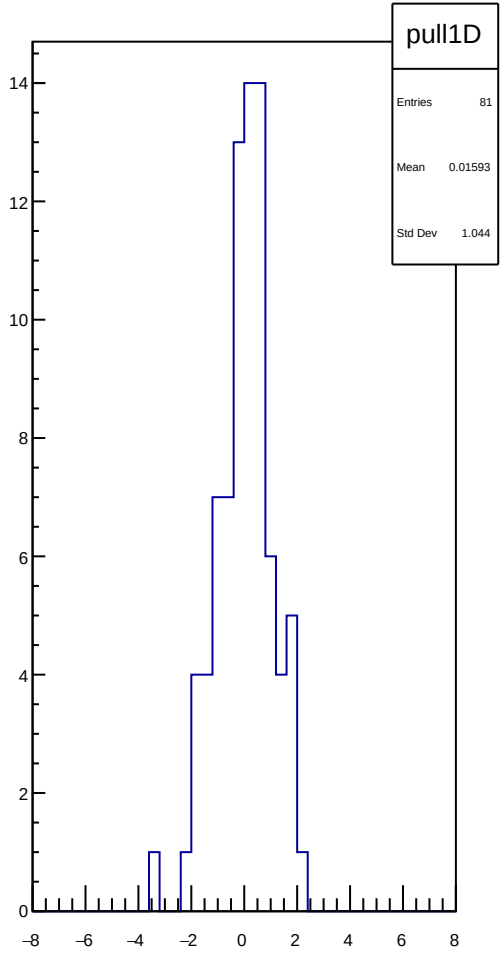

dit_asym_sam6_rms vs run
χ² / ndf 8.899e+04 / 80
p0 202.4 ± 0.1642
550
500
450
400
350
300
250
200
150

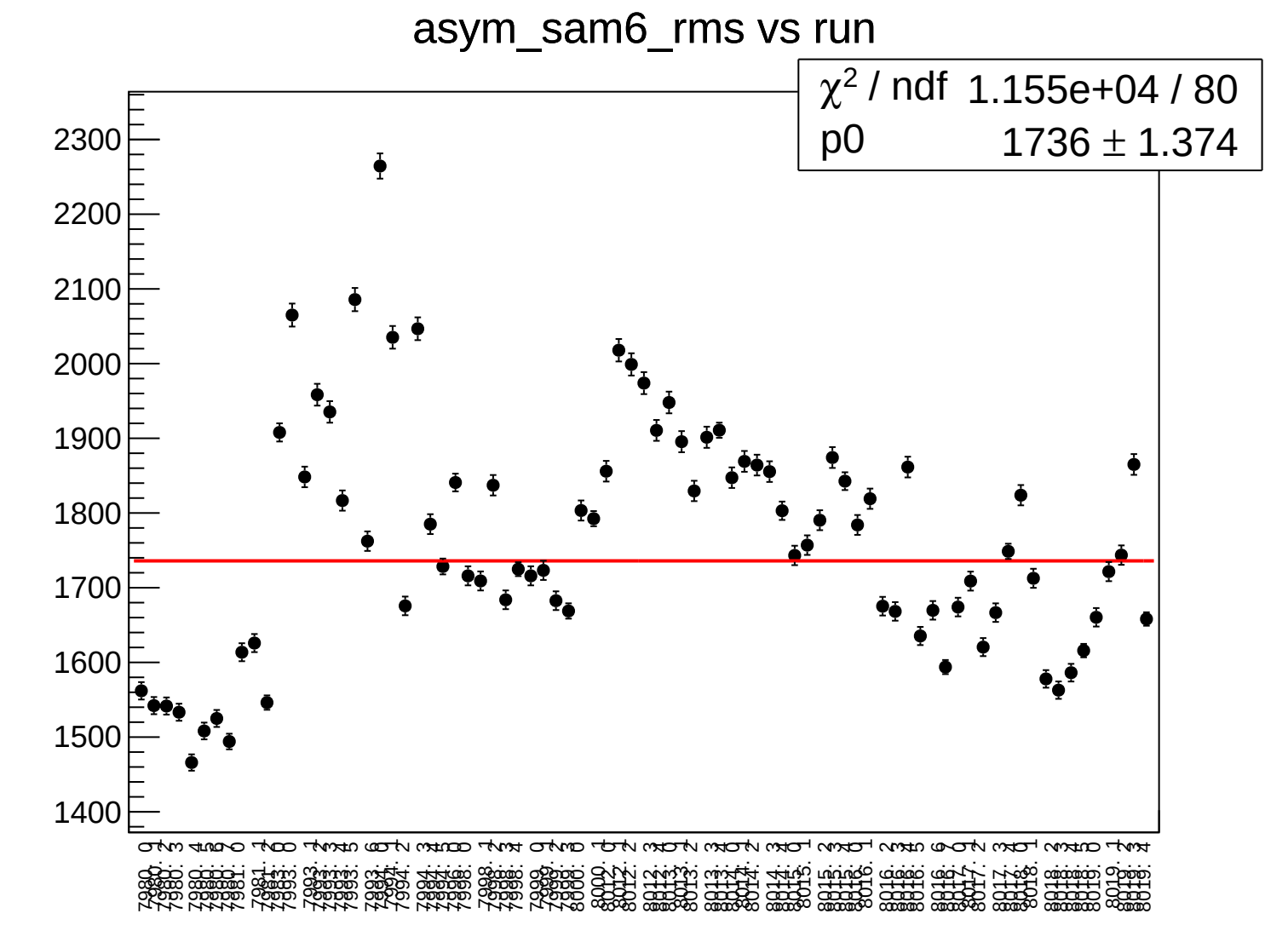

asym_sam6_correction_mean vs run
χ² / ndf 86.75 / 80
p0 −3552 ± 1972
pull
Entries 81
Mean −564.2
Std Dev 591.7

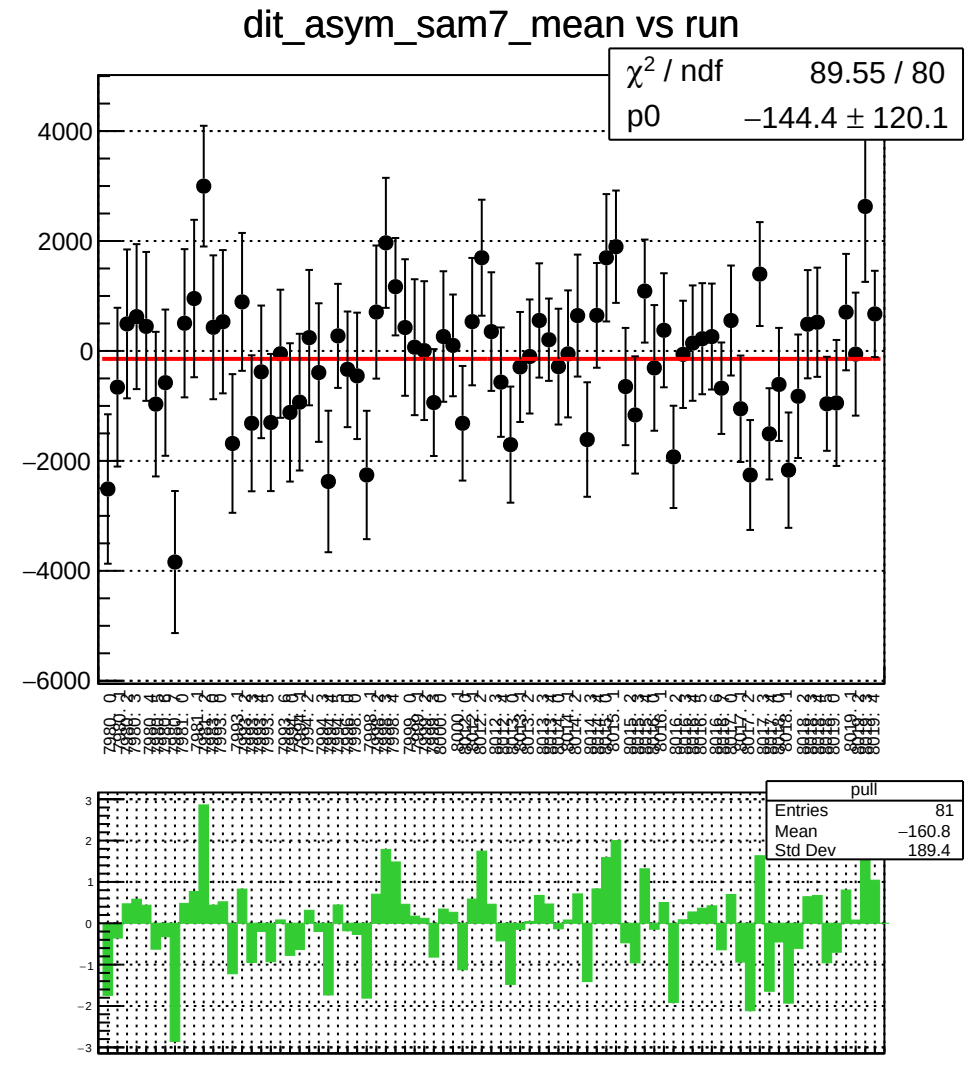

pull1D
Entries 81
Mean 0.001974
Std Dev 1.035

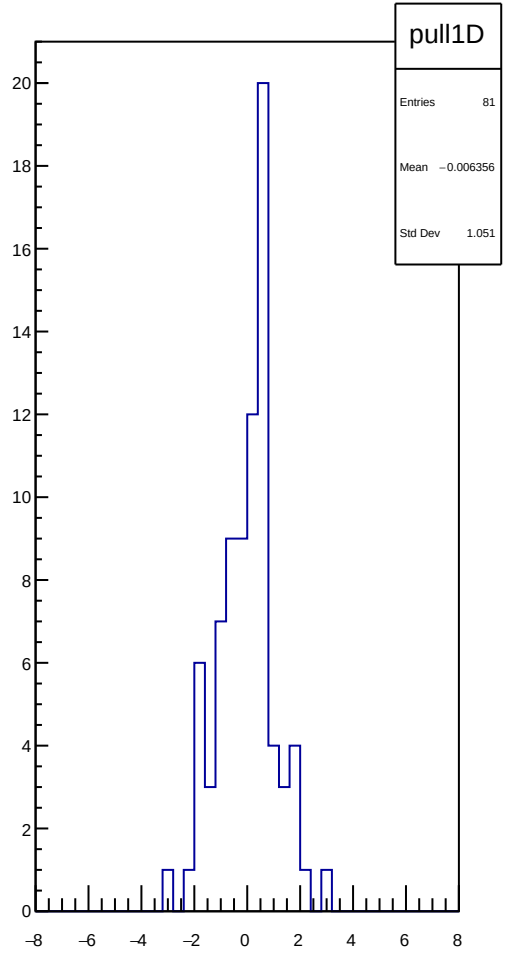

asym_sam6_correction_rms vs run
χ² / ndf 1.21e+04 / 80
p0 1761 ± 1.394
2300
2200
2100
2000
1900
1800
1700
1600
1500

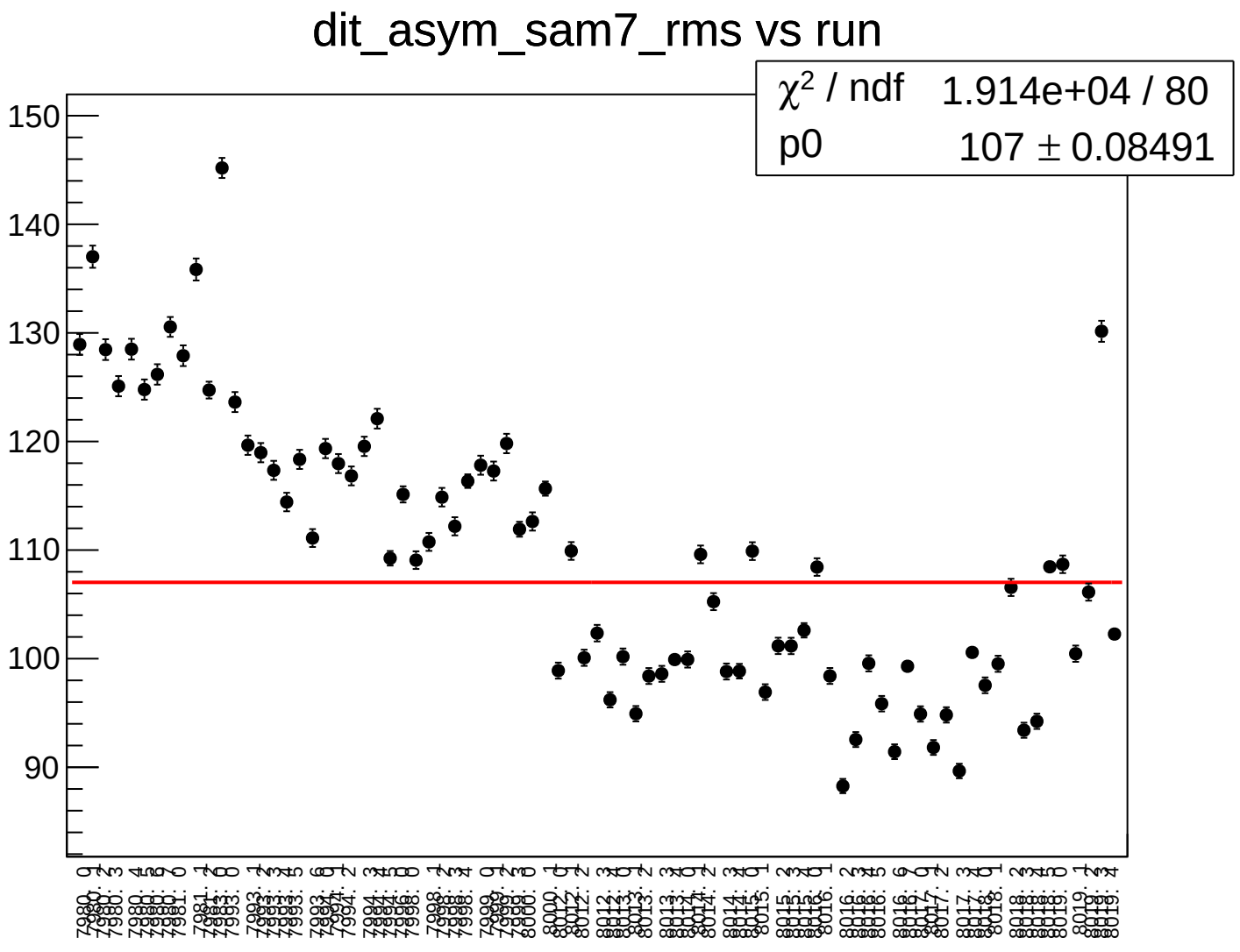

asym_sam6_mean vs run
χ² / ndf 88.35 / 80
p0 3319 ± 1943
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 122.5
Std Dev 93.92
2
1
0
−1
−2
−3

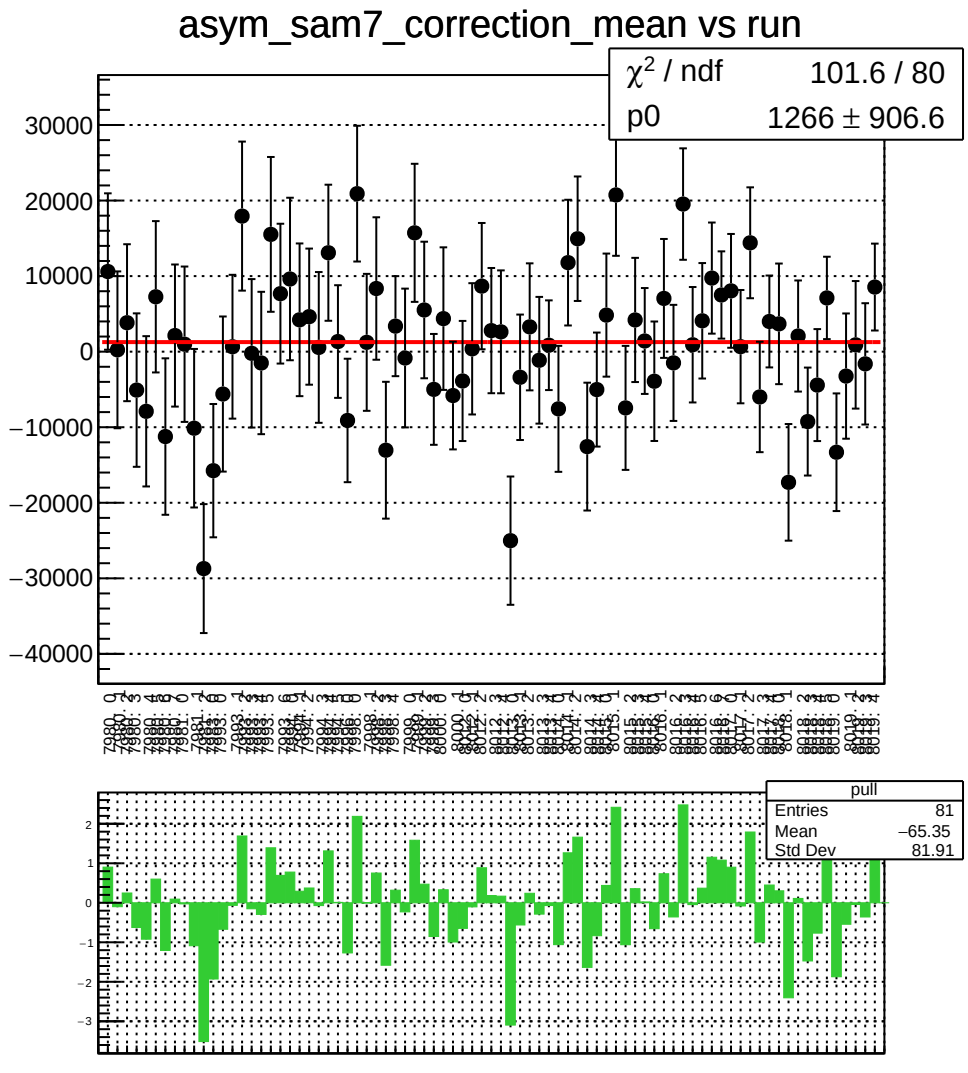

pull1D
Entries 81
Mean 0.01593
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

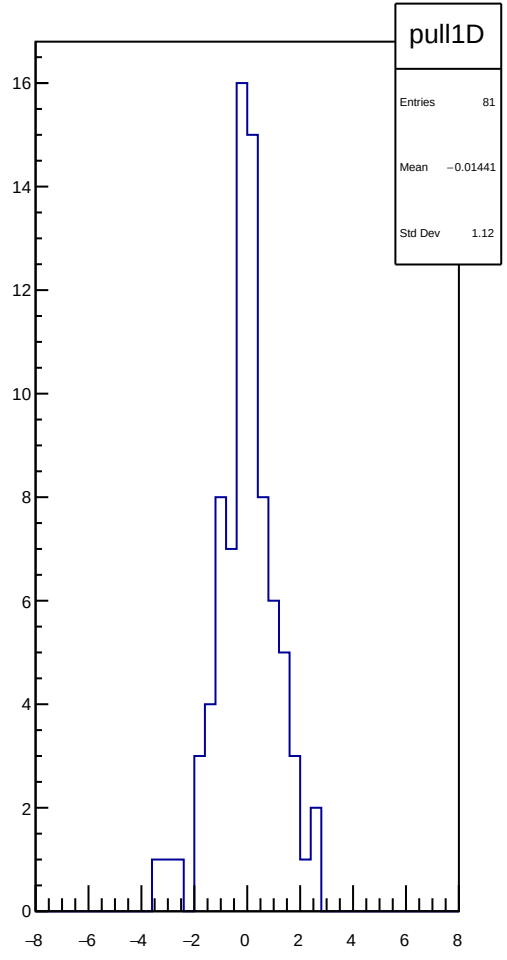

asym_sam6_rms vs run
χ² / ndf 1.155e+04 / 80
p0 1736 ± 1.374
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400

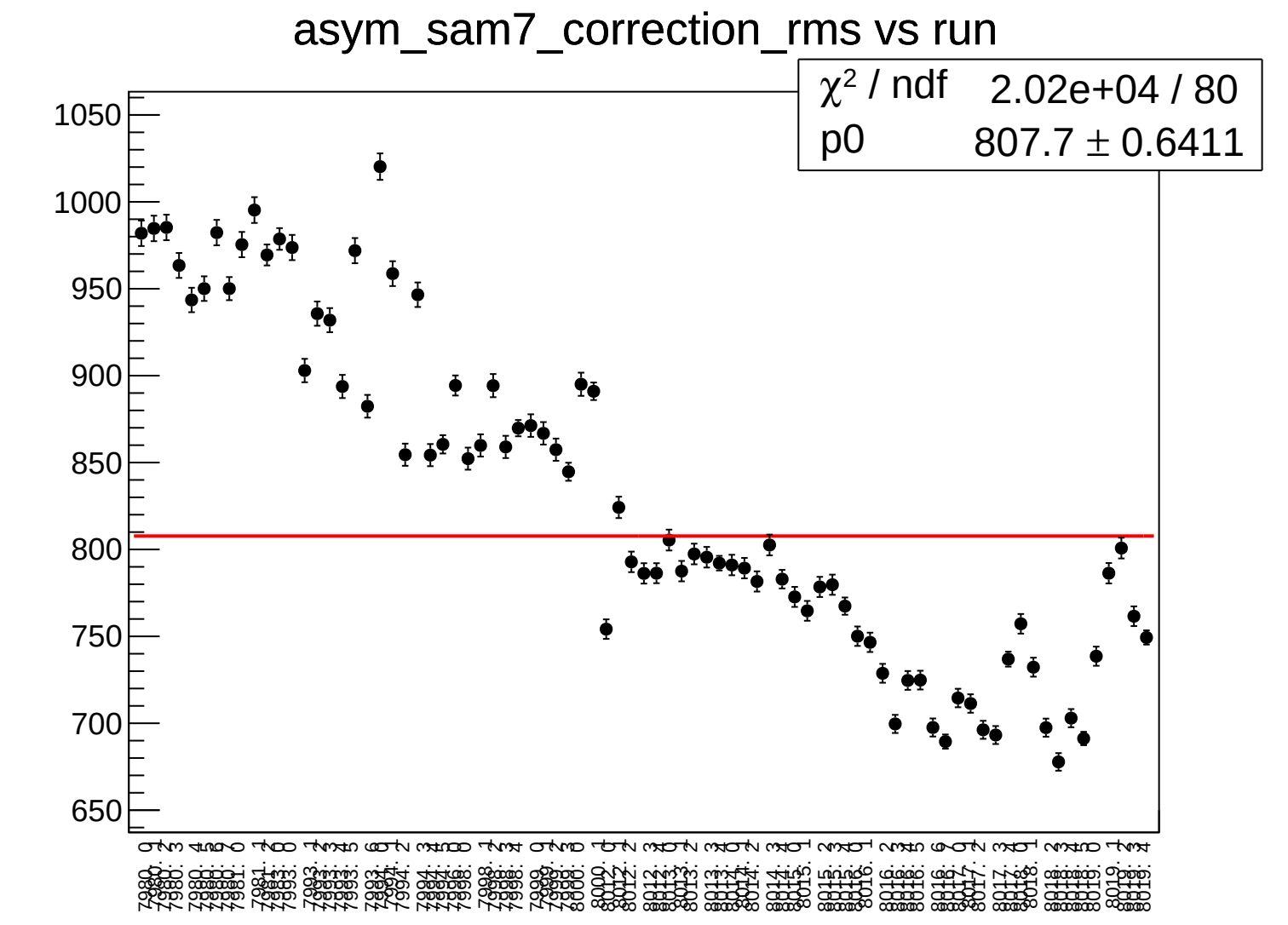

dit_asym_sam7_mean vs run
χ^2 / ndf 89.55 / 80
p0 −144.4 ± 120.1
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −160.8
Std Dev 189.4
3
2
1
0
−1
−2
−3

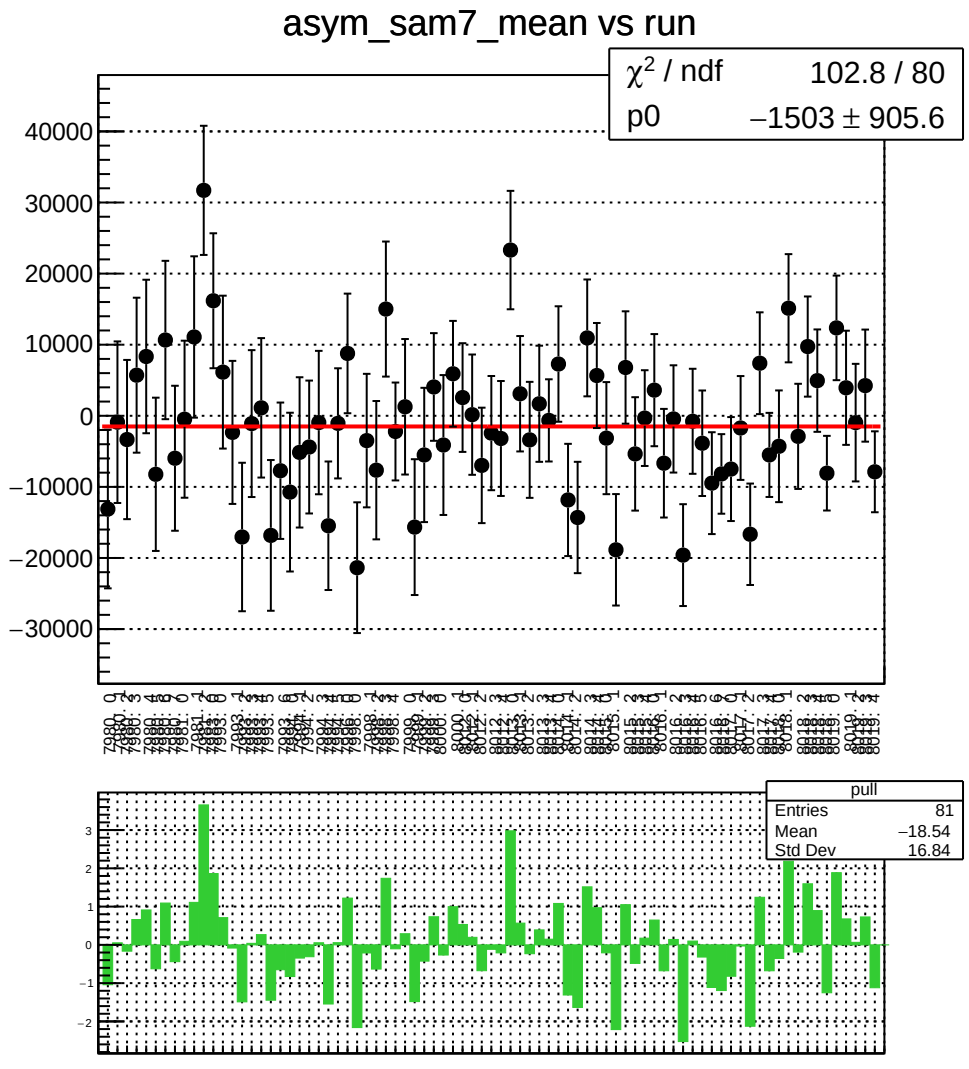

pull1D
Entries 81
Mean −0.006356
Std Dev 1.051
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

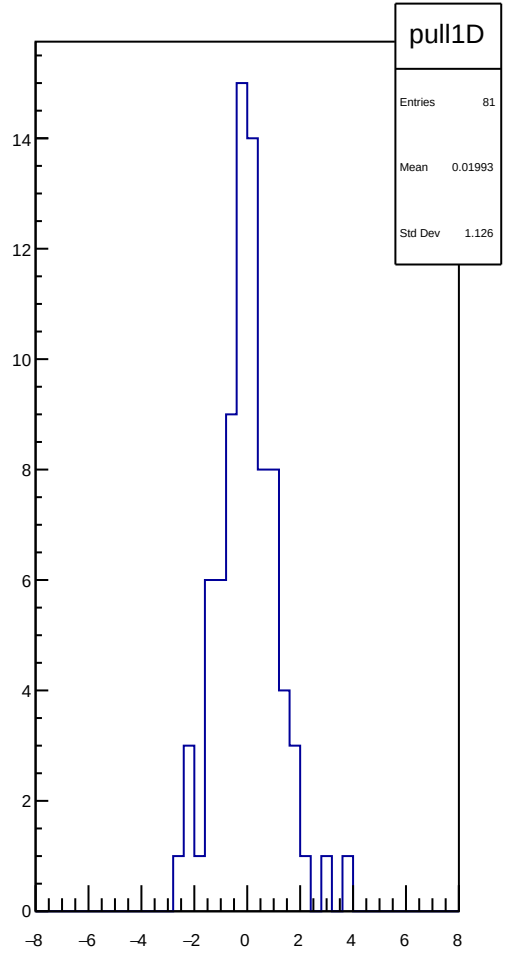

dit_asym_sam7_rms vs run
χ² / ndf 1.914e+04 / 80
p0 107 ± 0.08491
150
140
130
120
110
100
90

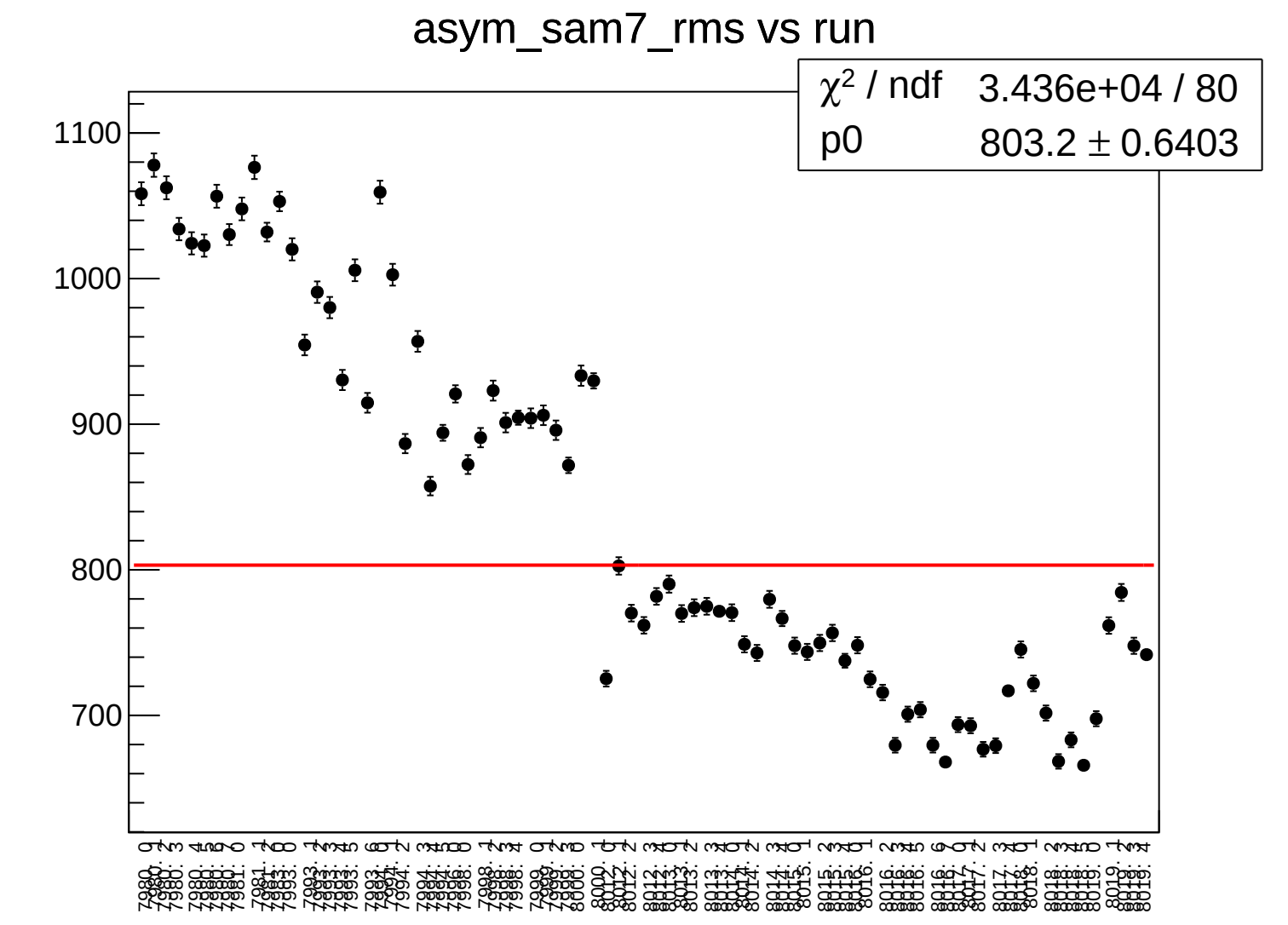

asym_sam7_correction_mean vs run
χ² / ndf 101.6 / 80
p0 1266 ± 906.6
pull
Entries 81
Mean −65.35
Std Dev 81.91

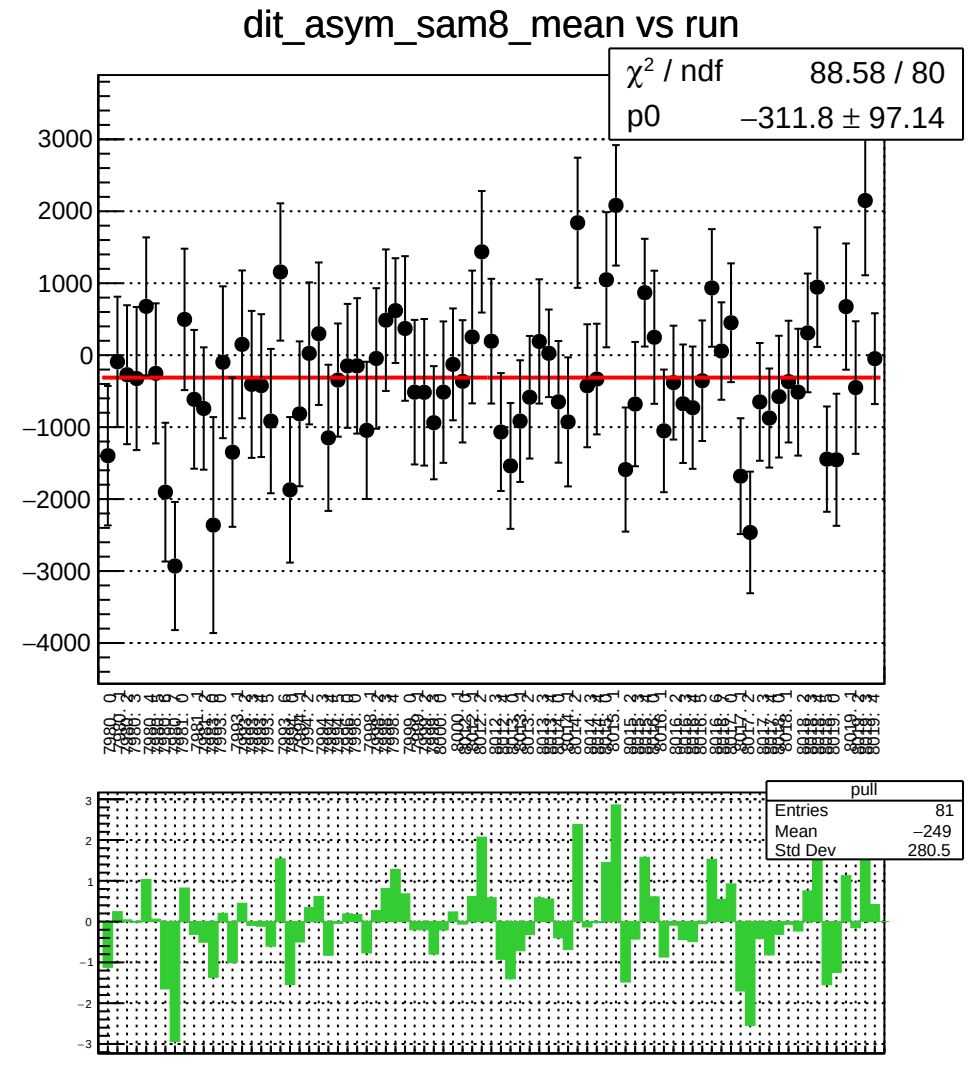

pull1D
Entries 81
Mean −0.01441
Std Dev 1.12

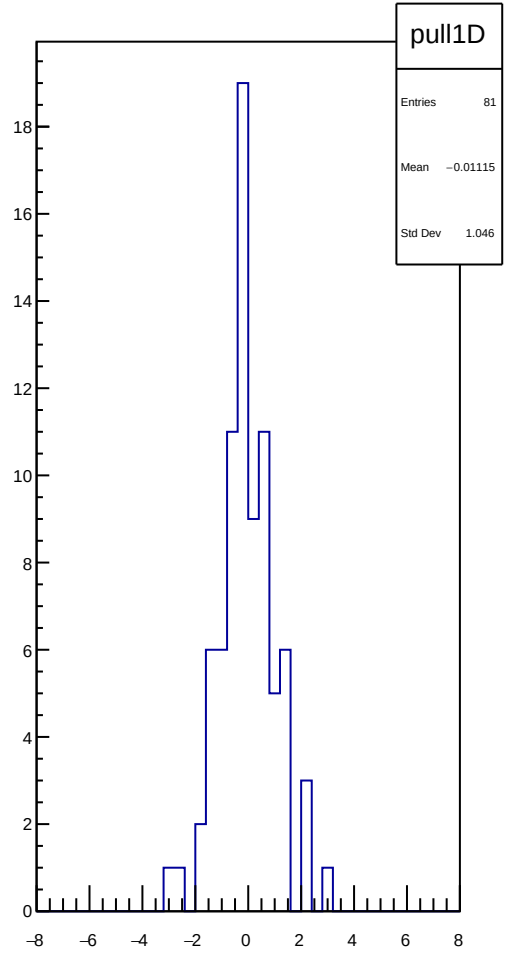

asym_sam7_correction_rms vs run
χ² / ndf 2.02e+04 / 80
p0 807.7 ± 0.6411
1050
1000
950
900
850
800
750
700
650

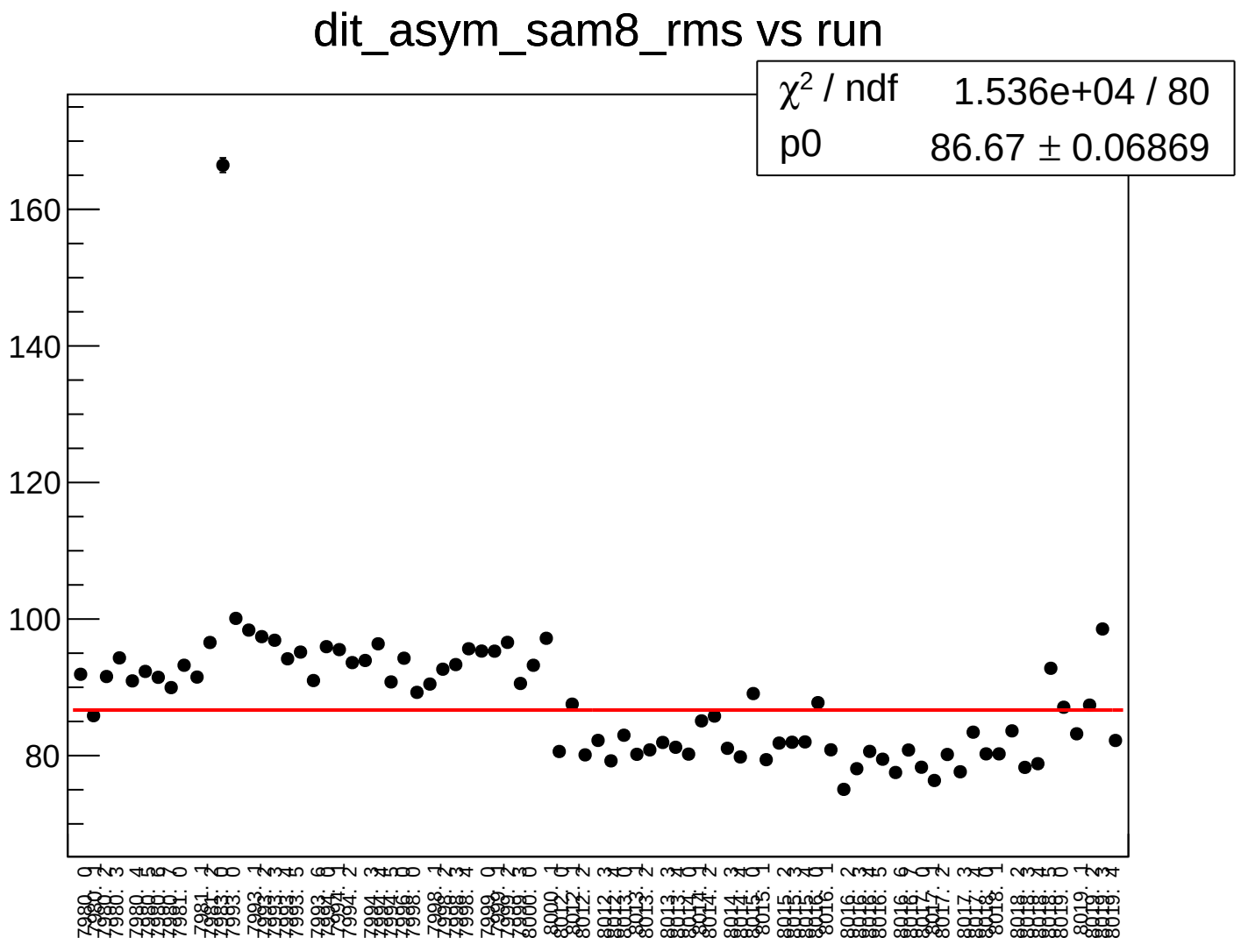

asym_sam7_mean vs run
χ² / ndf 102.8 / 80
p0 −1503 ± 905.6
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −18.54
Std Dev 16.84
3
2
1
0
−1
−2

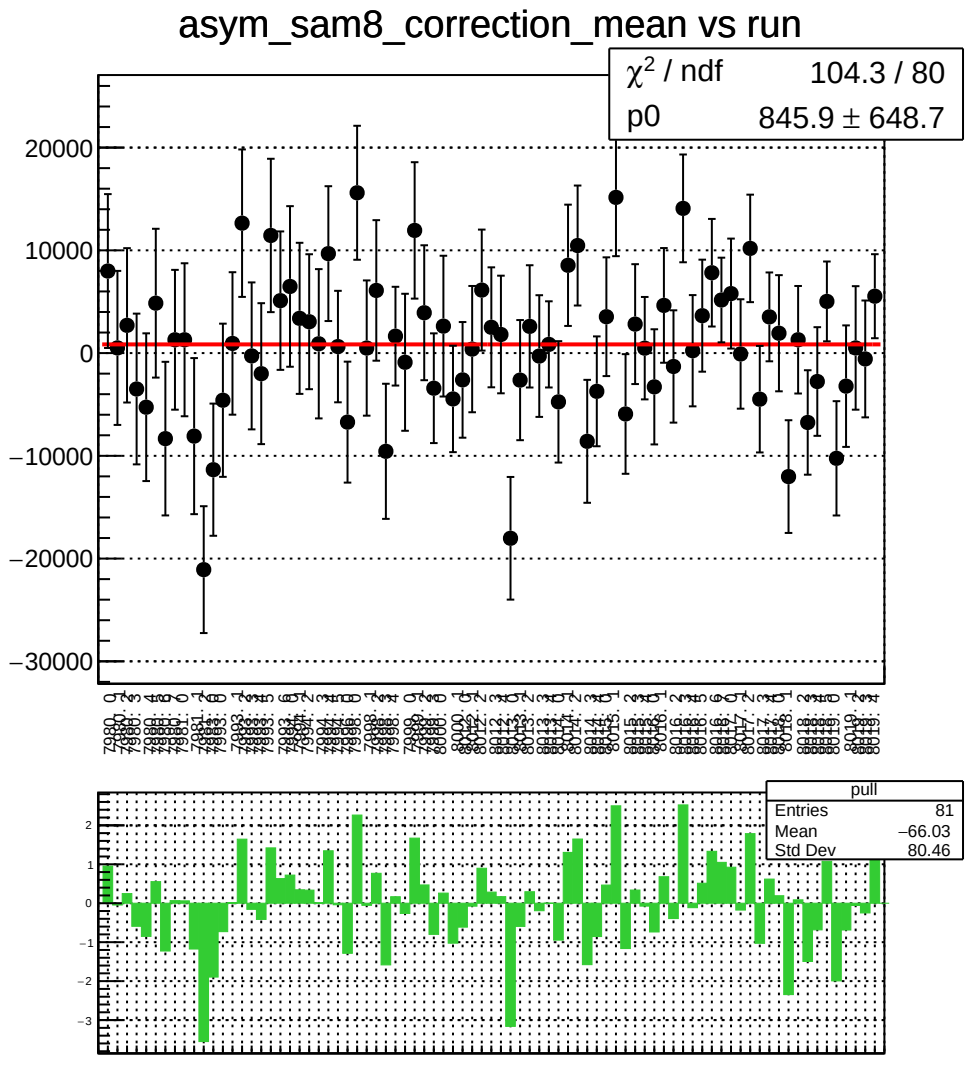

pull1D
Entries 81
Mean 0.01993
Std Dev 1.126
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

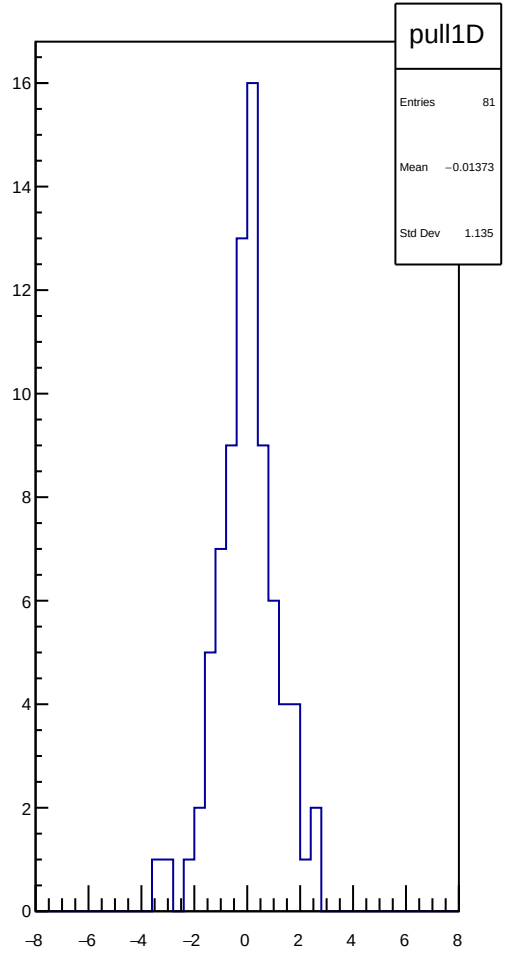

asym_sam7_rms vs run
χ² / ndf 3.436e+04 / 80
p0 803.2 ± 0.6403
1100
1000
900
800
700

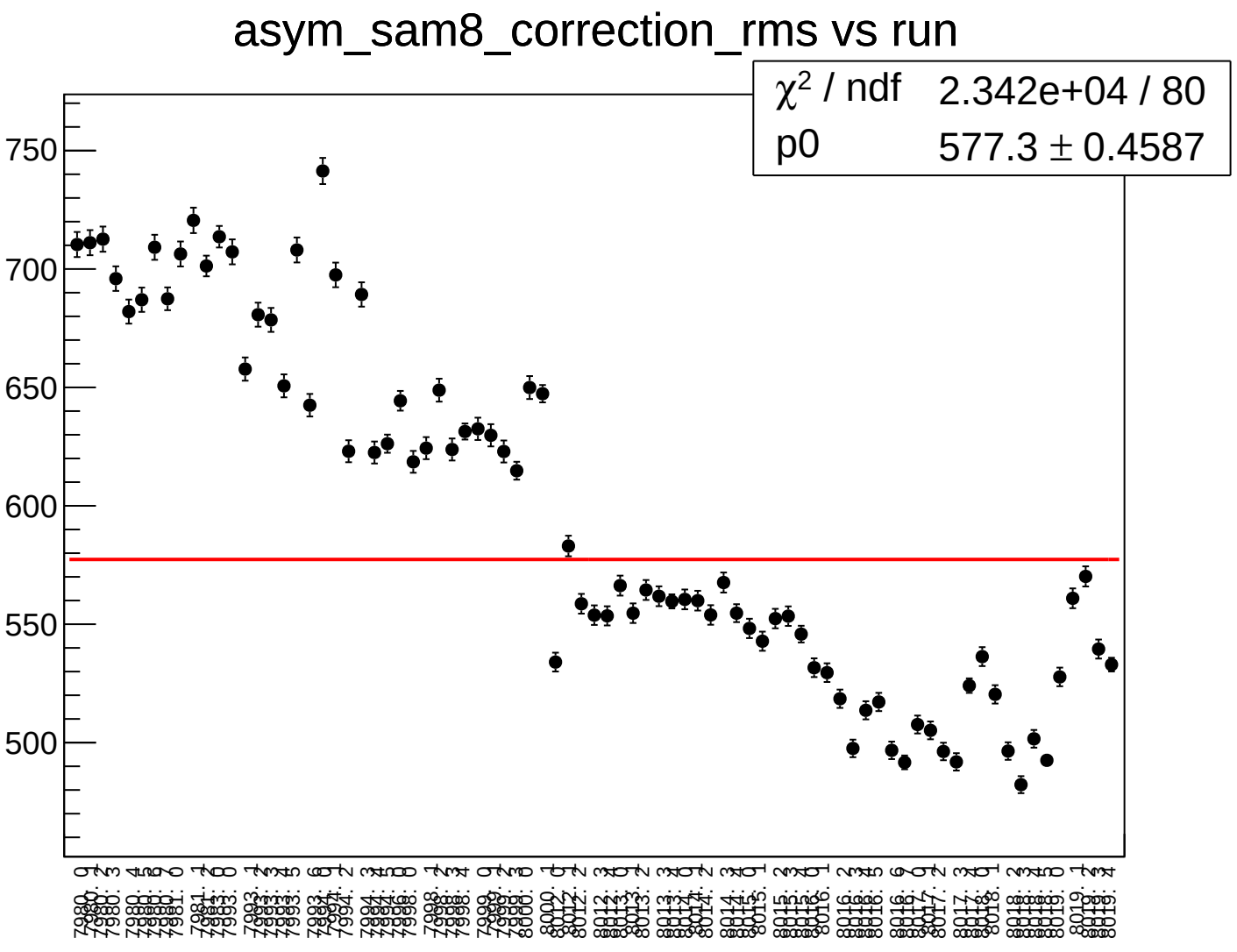

dit_asym_sam8_mean vs run
χ² / ndf 88.58 / 80
p0 −311.8 ± 97.14
pull
Entries 81
Mean −249
Std Dev 280.5

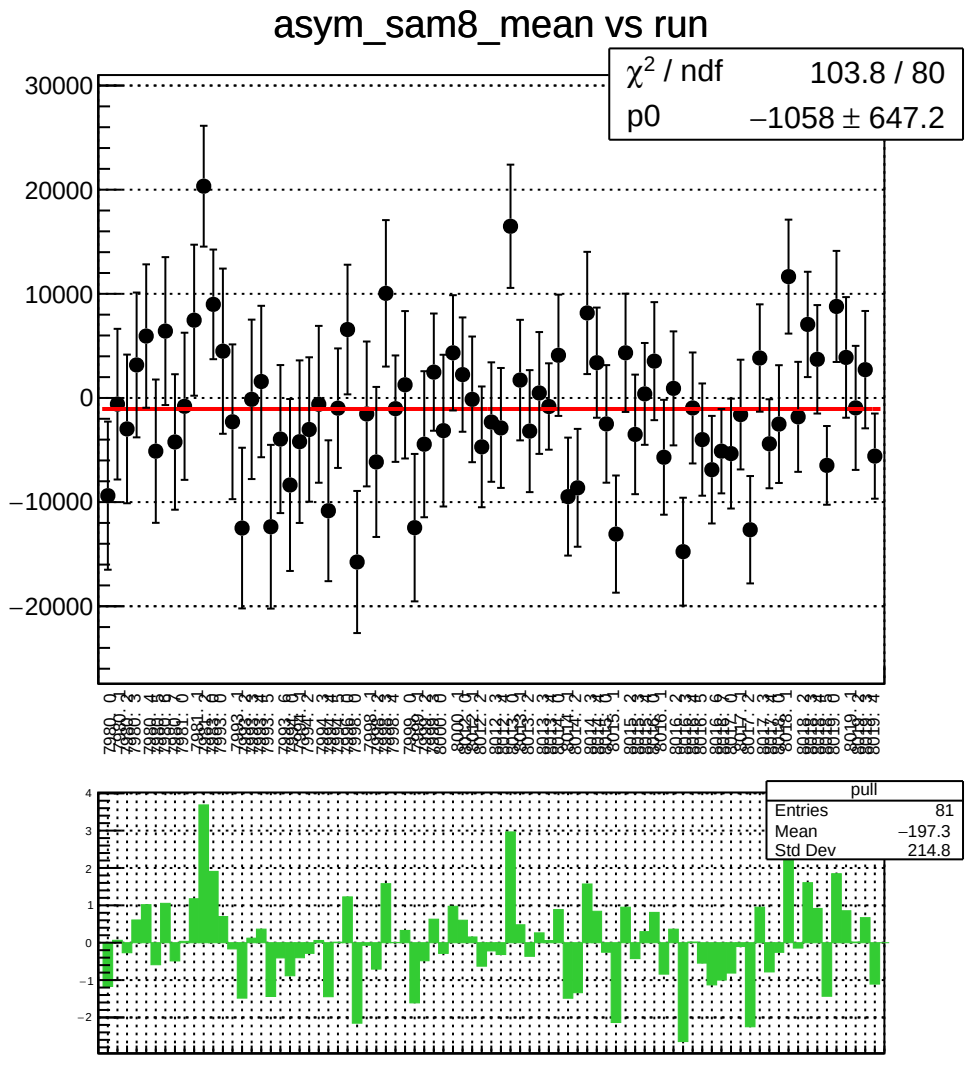

pull1D
Entries 81
Mean −0.01115
Std Dev 1.046

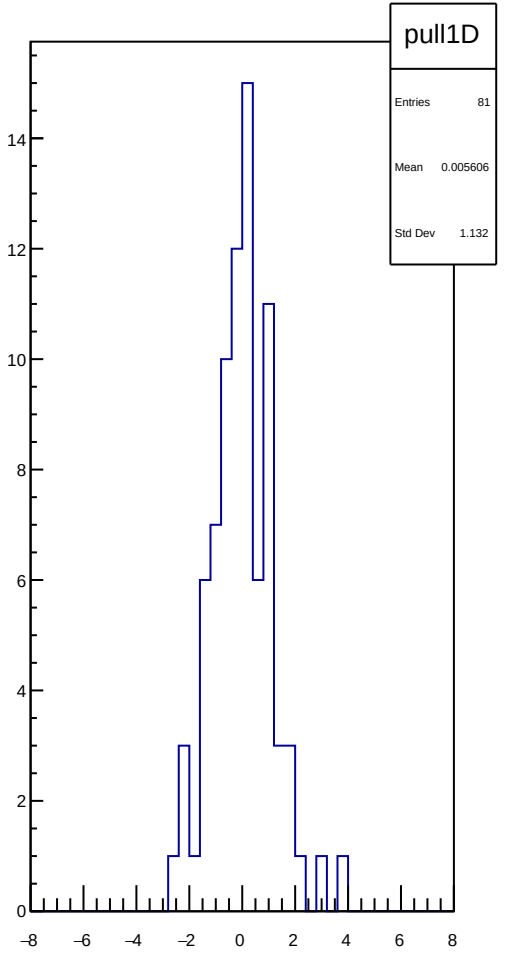

dit_asym_sam8_rms vs run
χ² / ndf 1.536e+04 / 80
p0 86.67 ± 0.06869
160
140
120
100
80

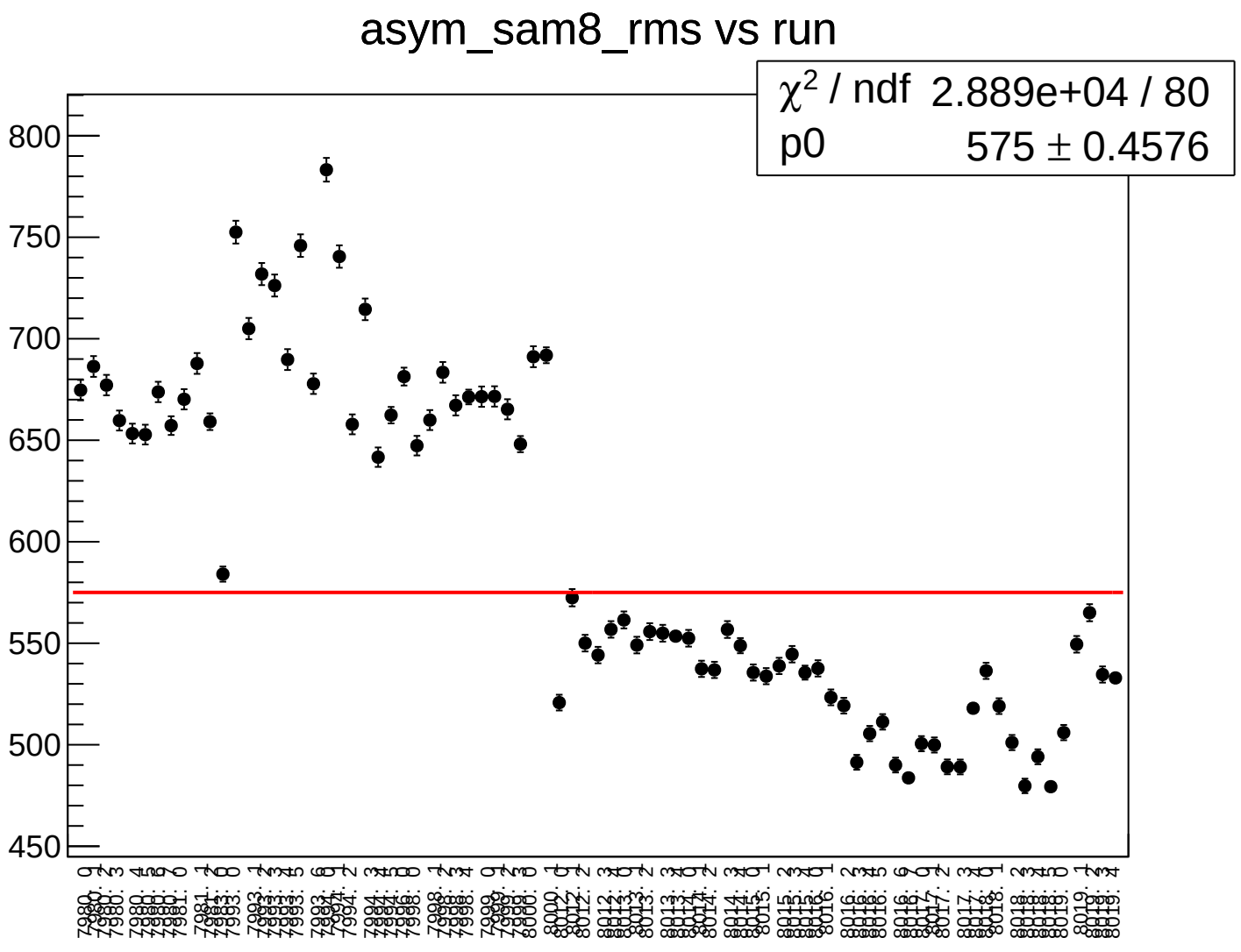

asym_sam8_correction_mean vs run
χ² / ndf 104.3 / 80
p0 845.9 ± 648.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −66.03
Std Dev 80.46
2
1
0
−1
−2
−3

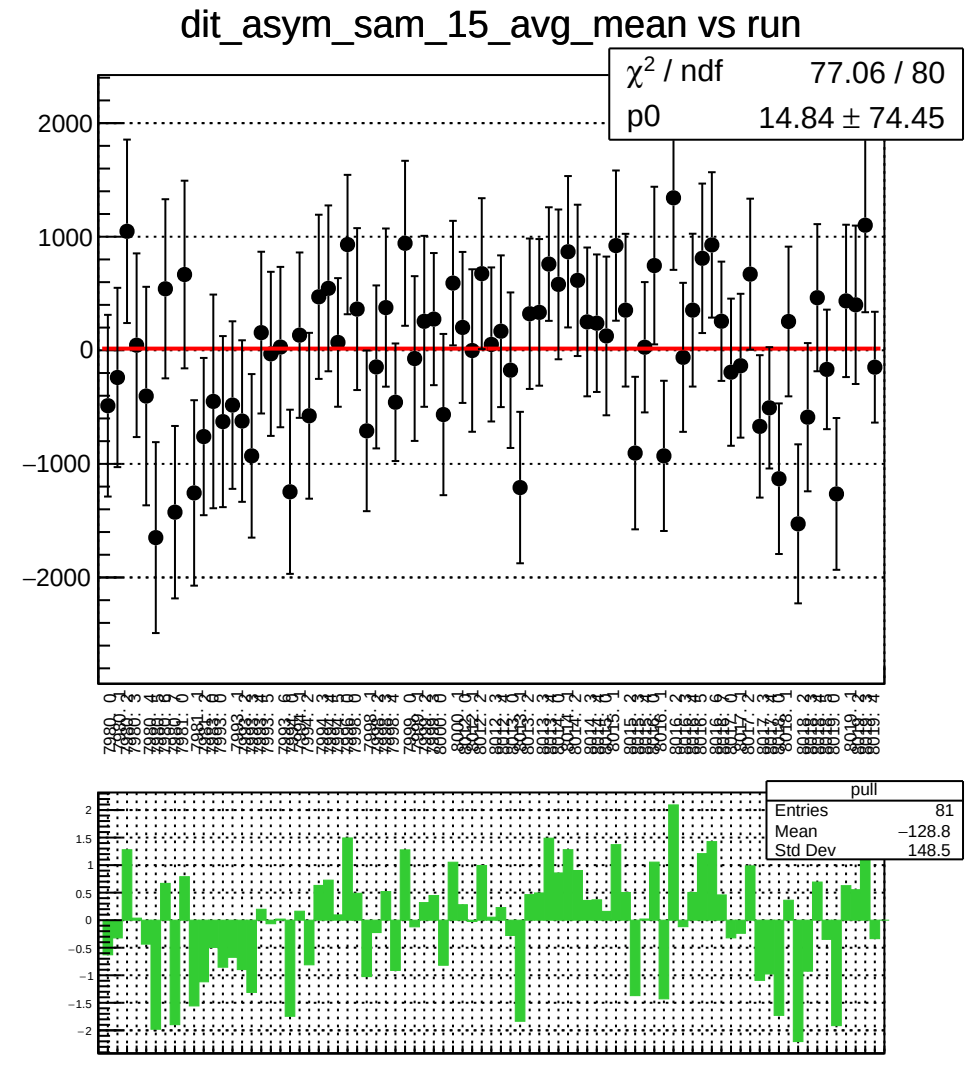

pull1D
Entries 81
Mean −0.01373
Std Dev 1.135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

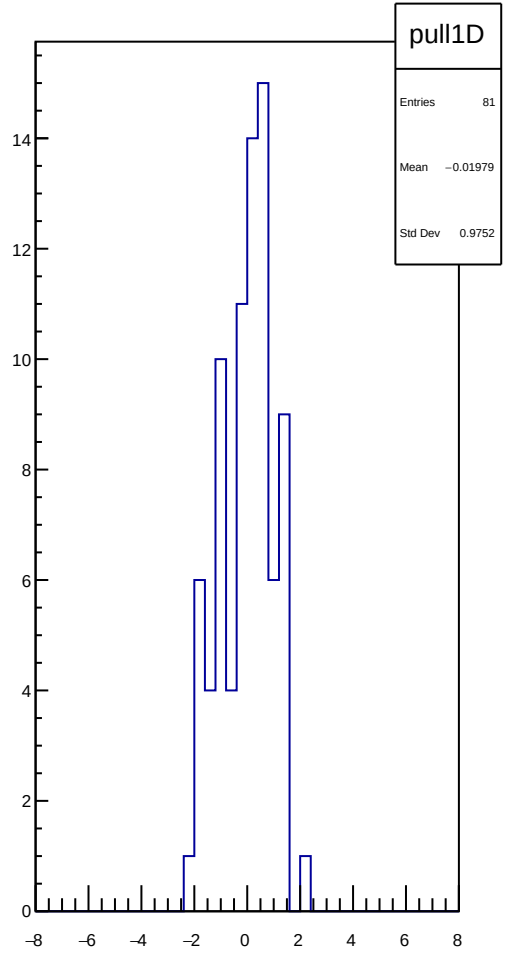

asym_sam8_correction_rms vs run
χ² / ndf 2.342e+04 / 80
p0 577.3 ± 0.4587
750
700
650
600
550
500

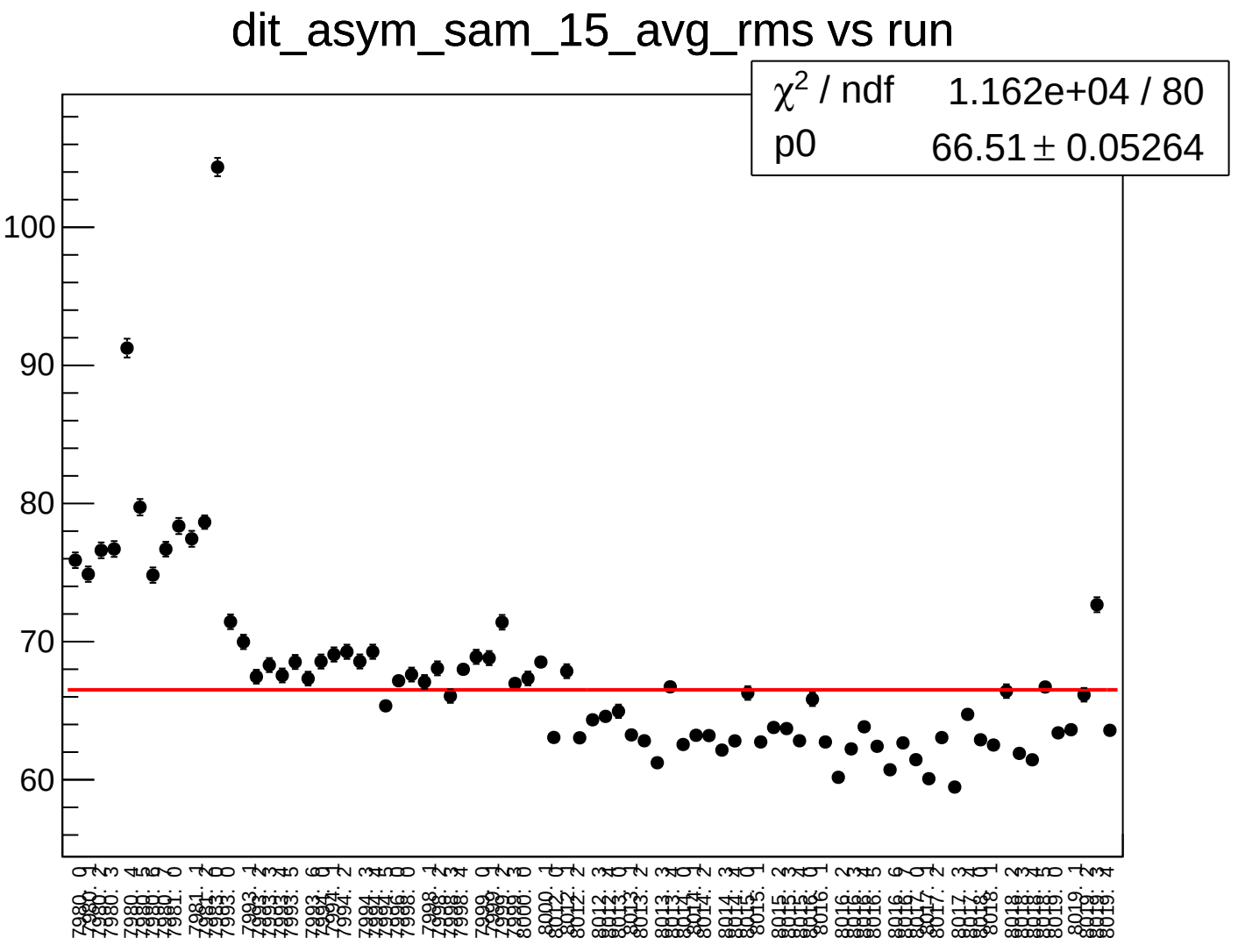

asym_sam8_mean vs run
χ² / ndf 103.8 / 80
p0 −1058 ± 647.2
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −197.3
Std Dev 214.8
4
3
2
1
0
−1
−2

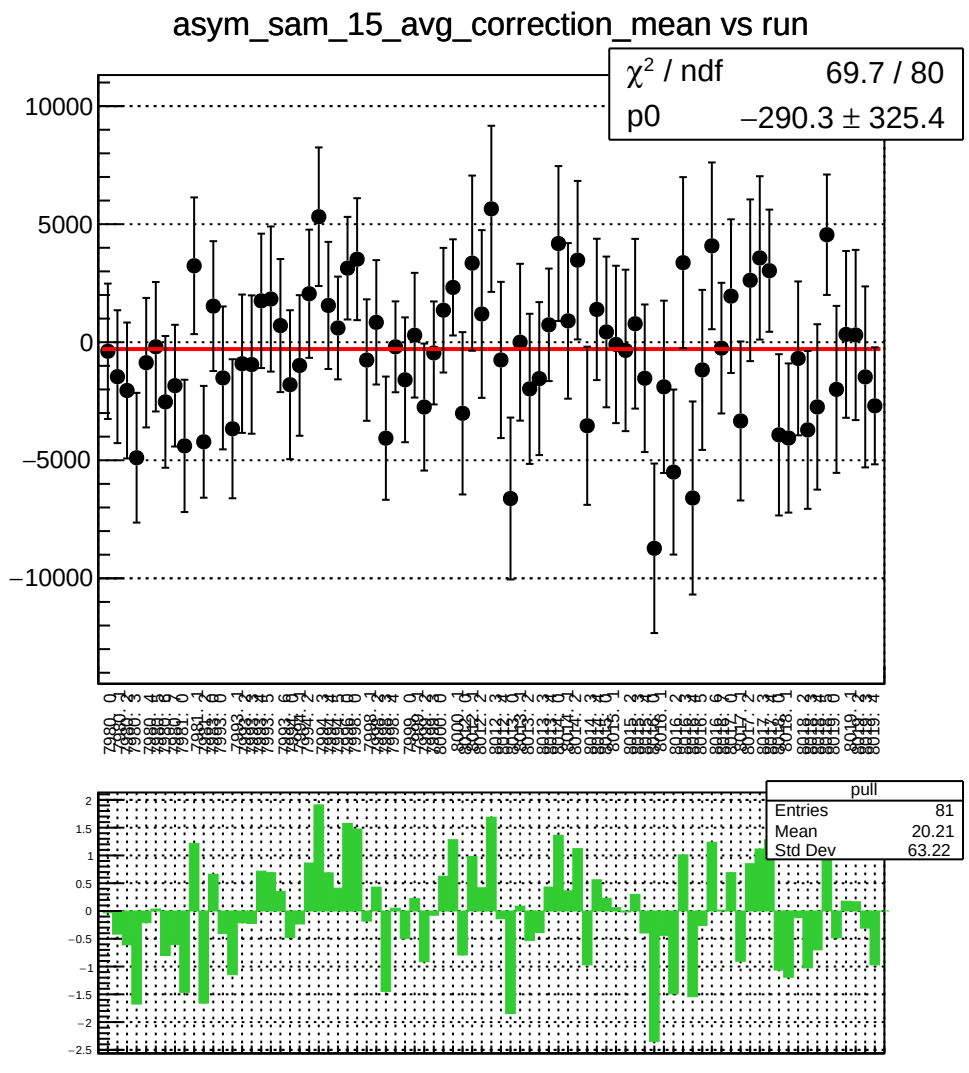

pull1D
Entries 81
Mean 0.005606
Std Dev 1.132
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

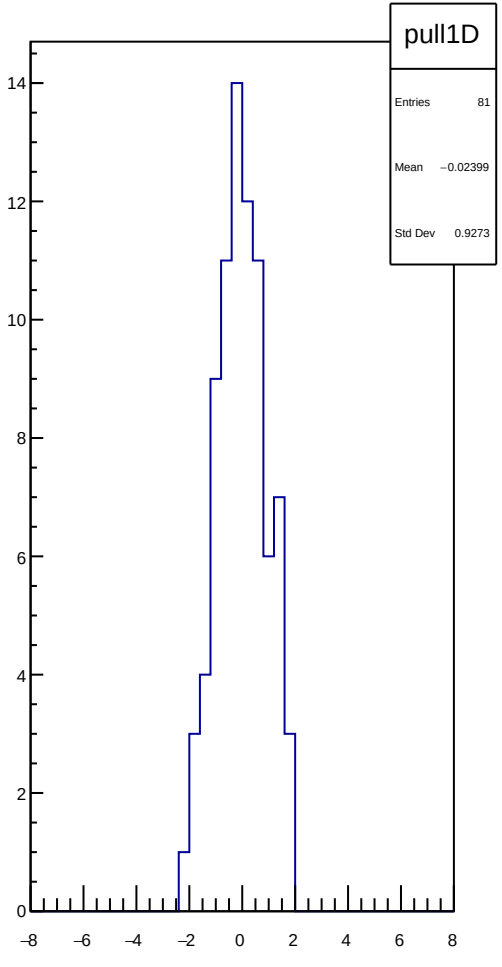

asym_sam8_rms vs run
χ² / ndf 2.889e+04 / 80
p0 575 ± 0.4576
800
750
700
650
600
550
500
450

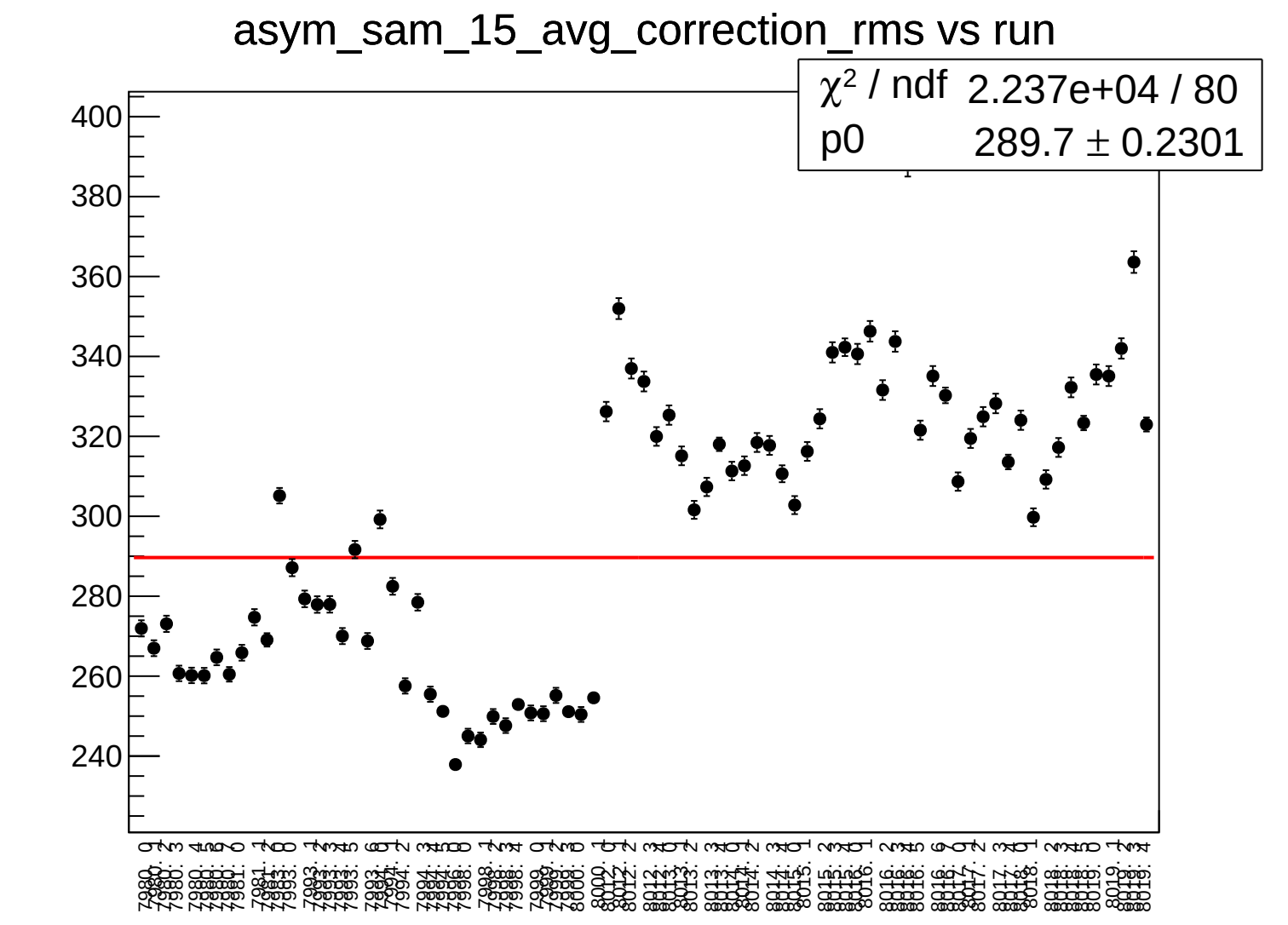

dit_asym_sam_15_avg_mean vs run
χ² / ndf 77.06 / 80
p0 14.84 ± 74.45
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −128.8
Std Dev 148.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

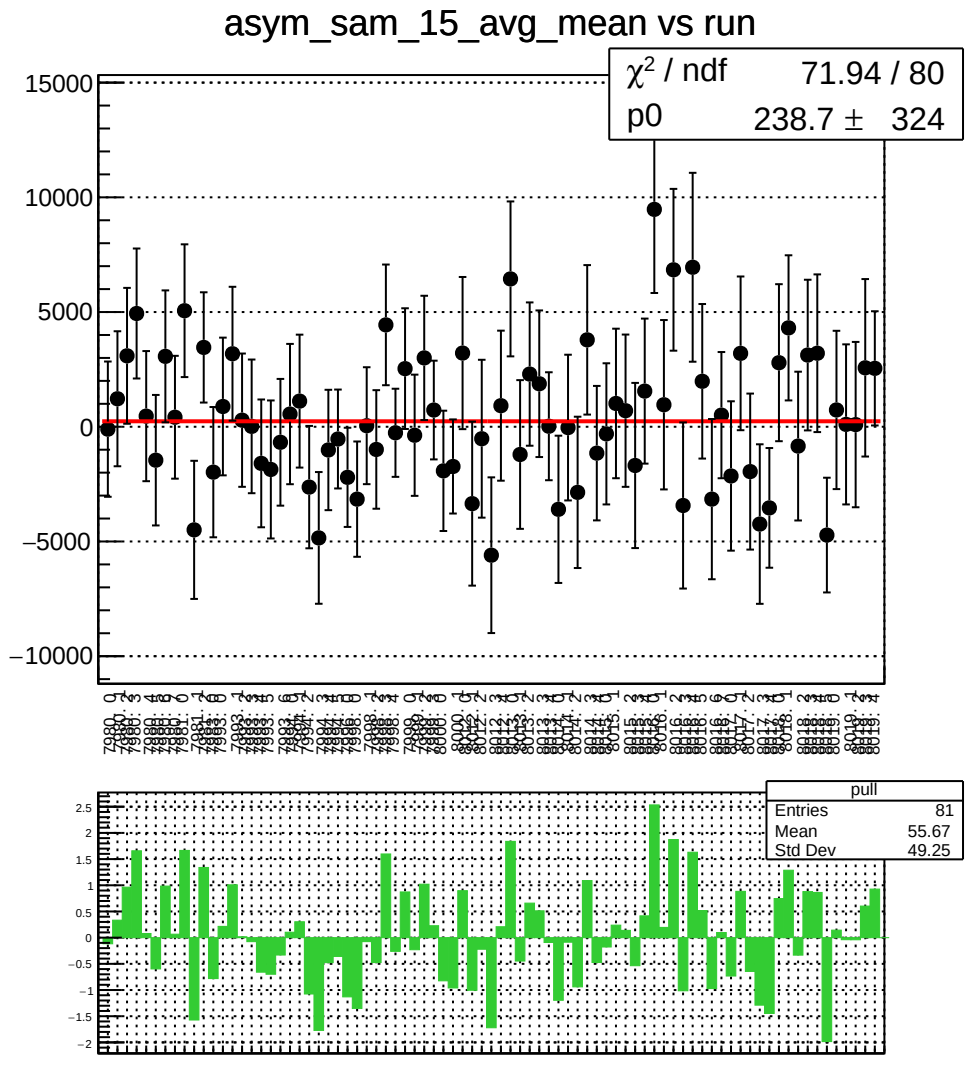

pull1D
Entries 81
Mean −0.01979
Std Dev 0.9752
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

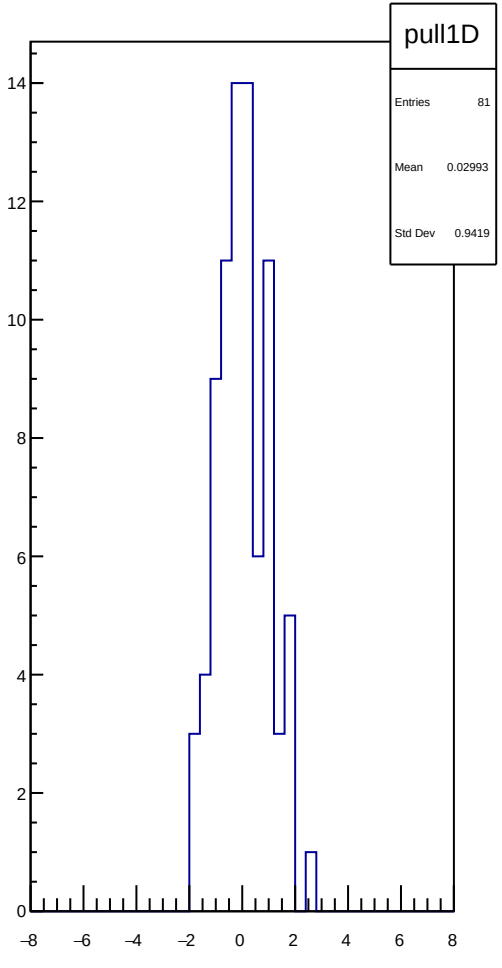

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.162e+04 / 80
p0 66.51 ± 0.05264
100
90
80
70
60

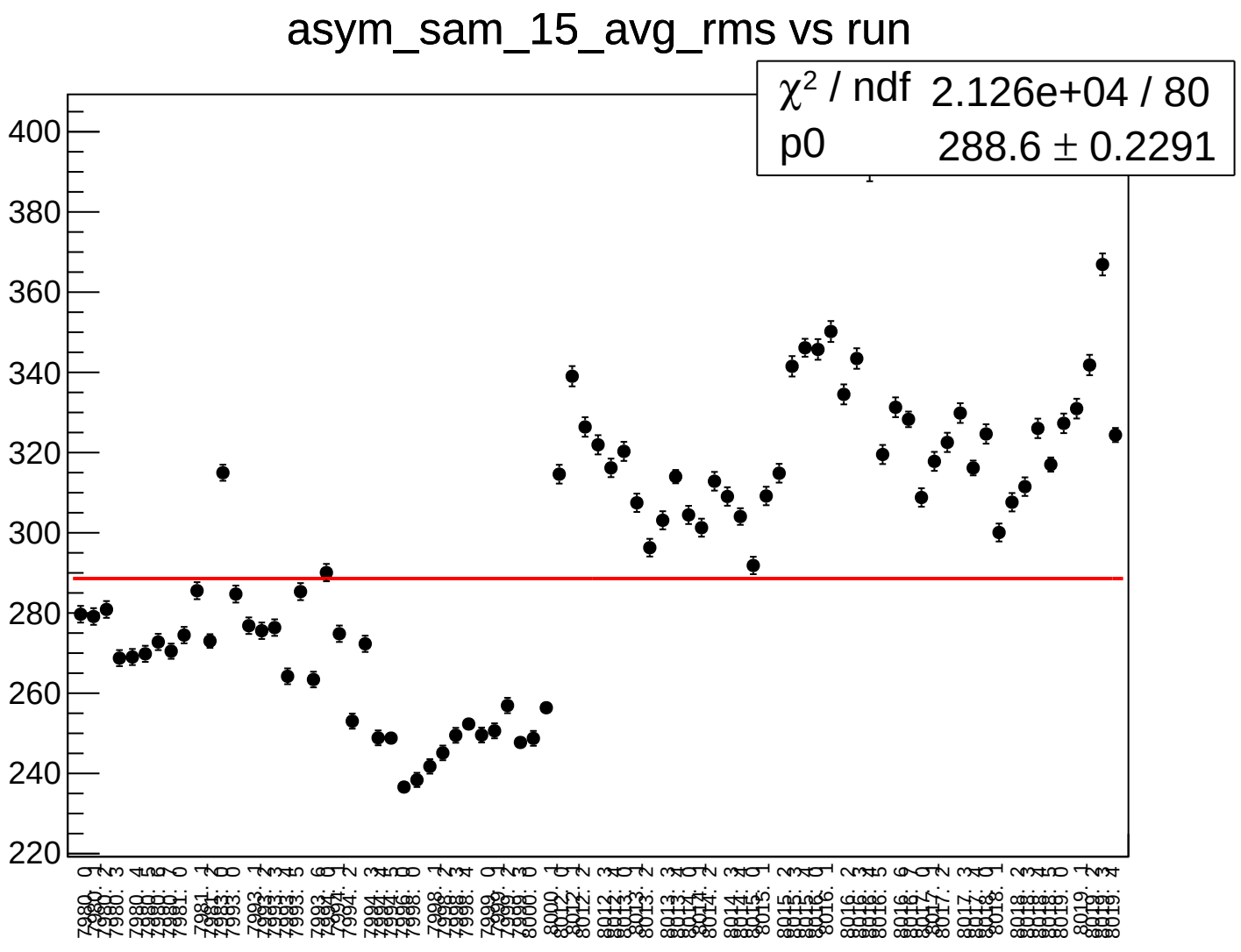

asym_sam_15_avg_correction_mean vs run
χ² / ndf 69.7 / 80
p0 −290.3 ± 325.4
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 20.21
Std Dev 63.22
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

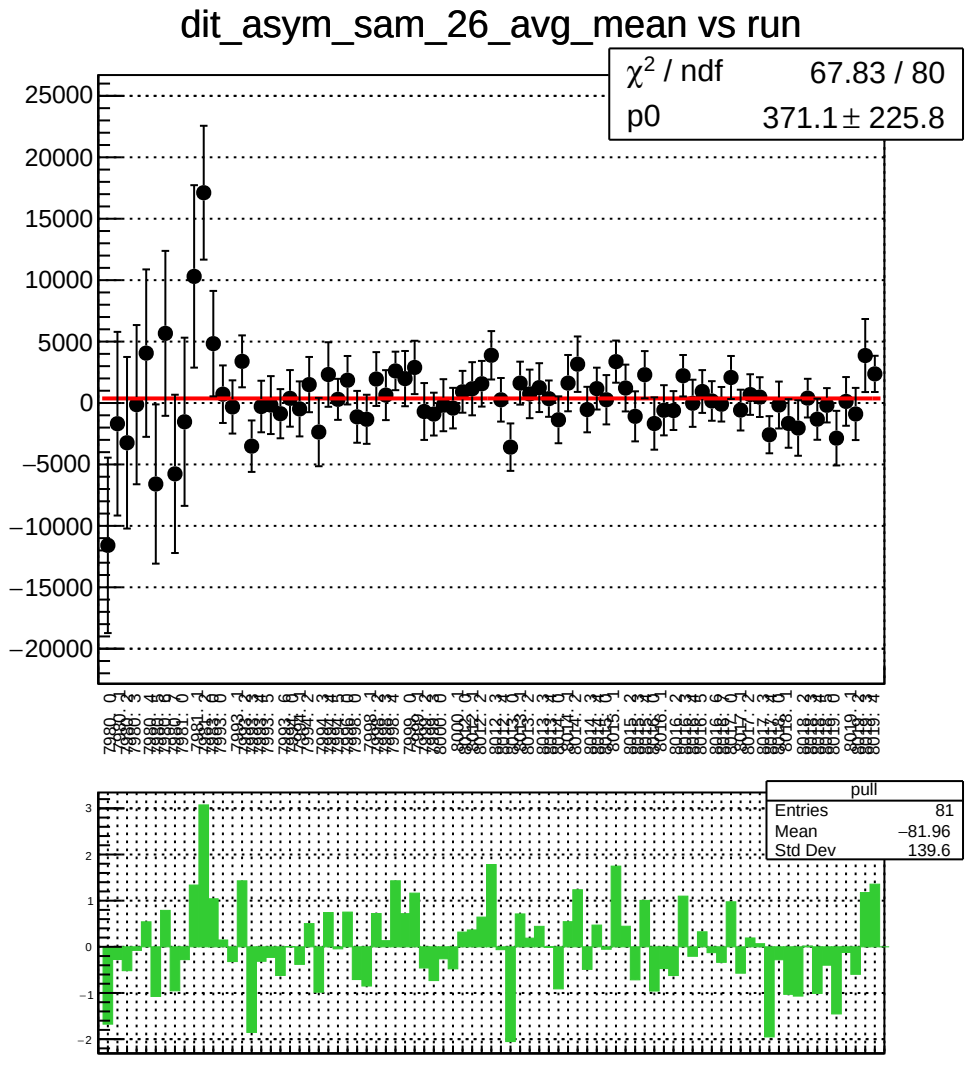

pull1D
Entries 81
Mean −0.02399
Std Dev 0.9273
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

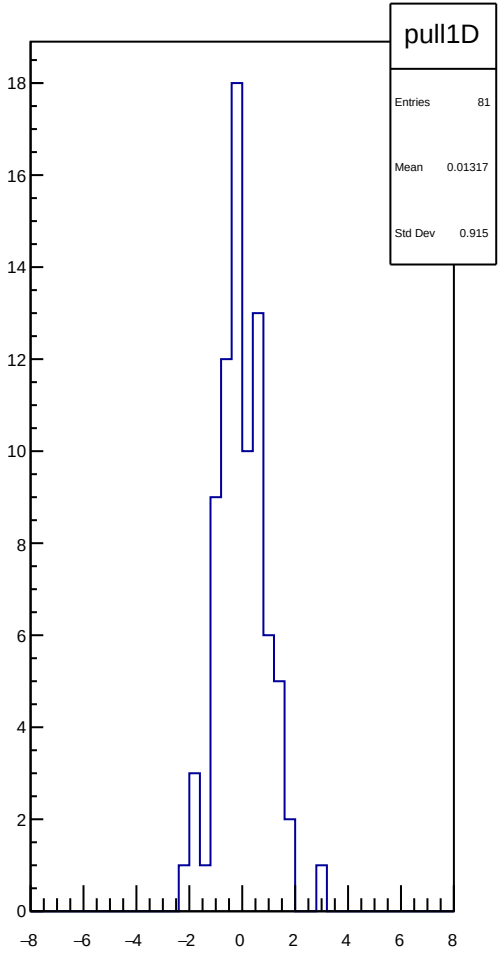

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2.237e+04 / 80
p0 289.7 ± 0.2301
400
380
360
340
320
300
280
260
240

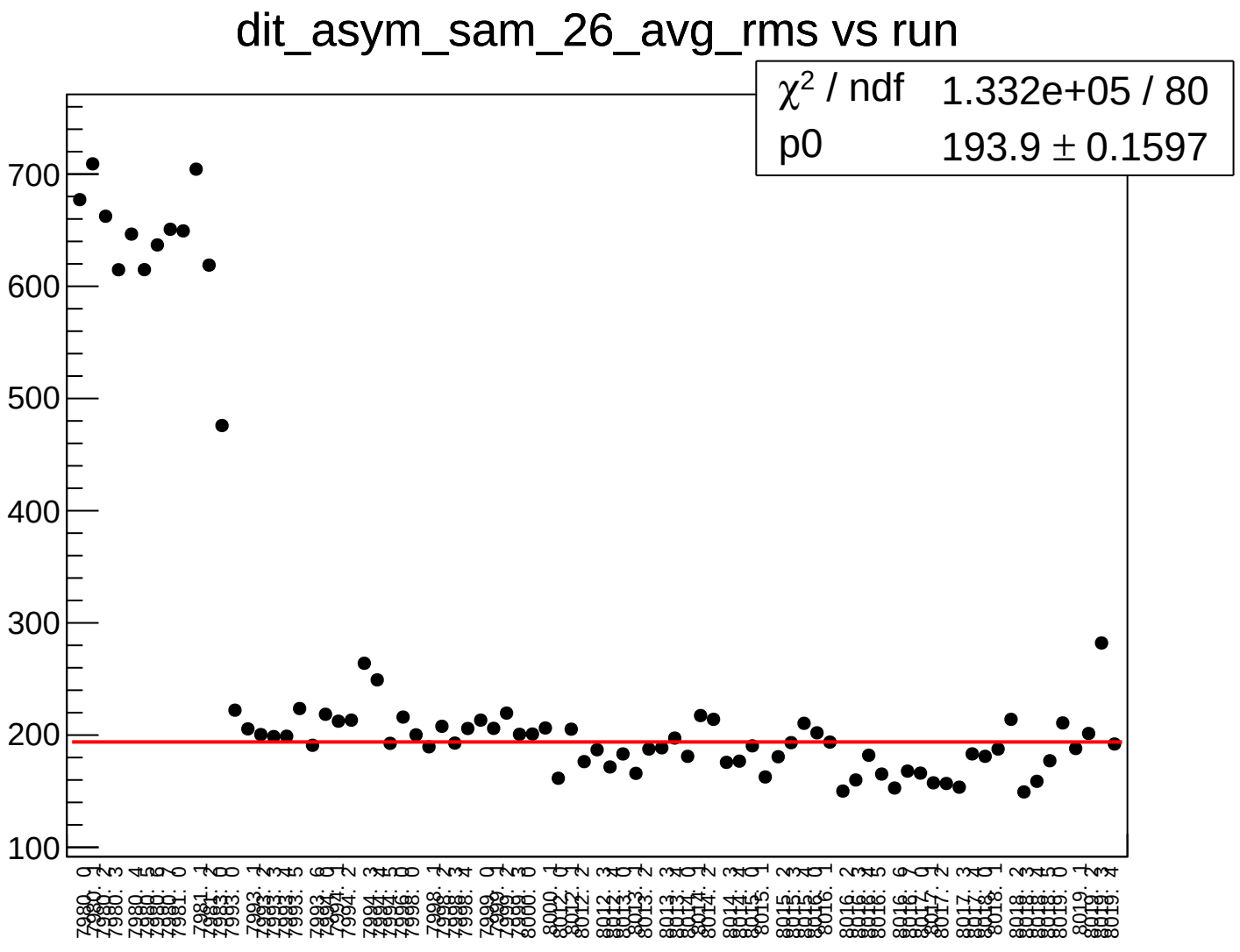

asym_sam_15_avg_mean vs run
χ² / ndf 71.94 / 80
p0 238.7 ± 324
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 55.67
Std Dev 49.25
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

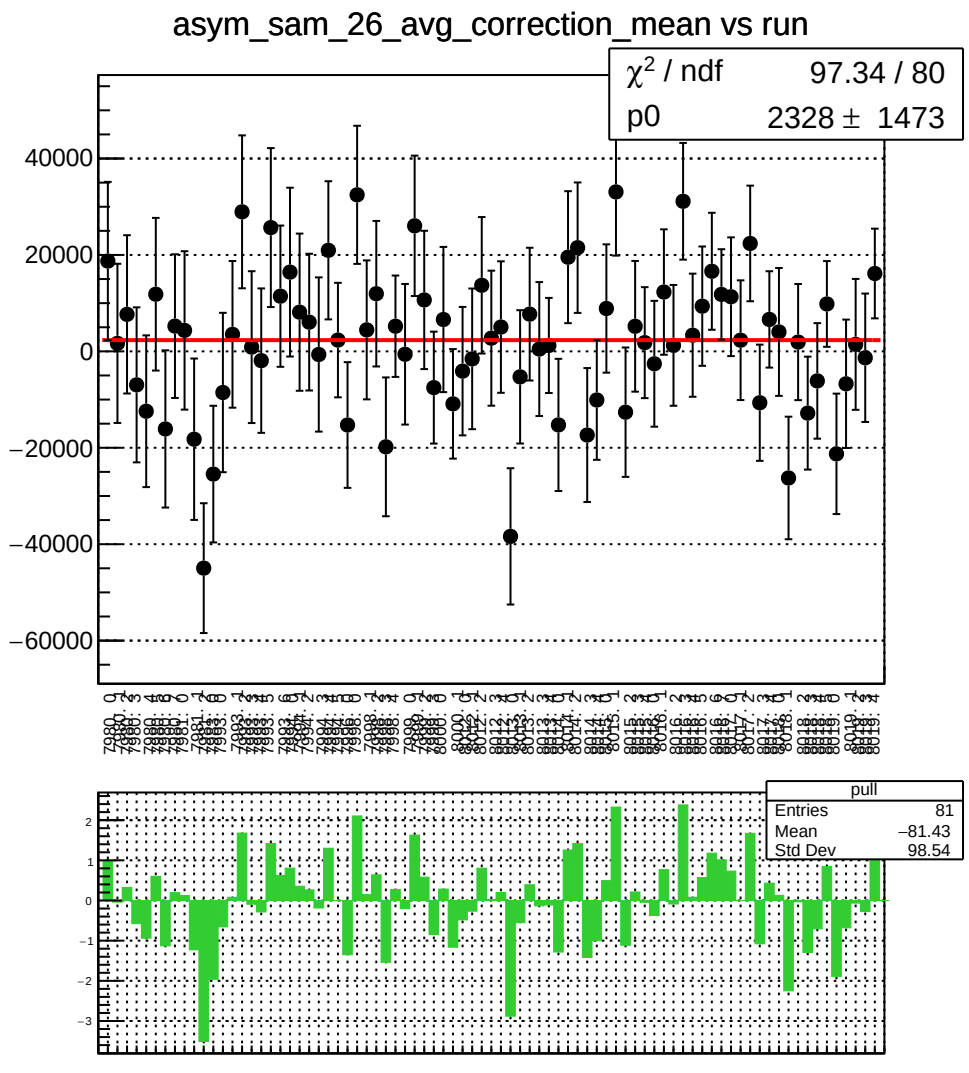

pull1D
Entries 81
Mean 0.02993
Std Dev 0.9419
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

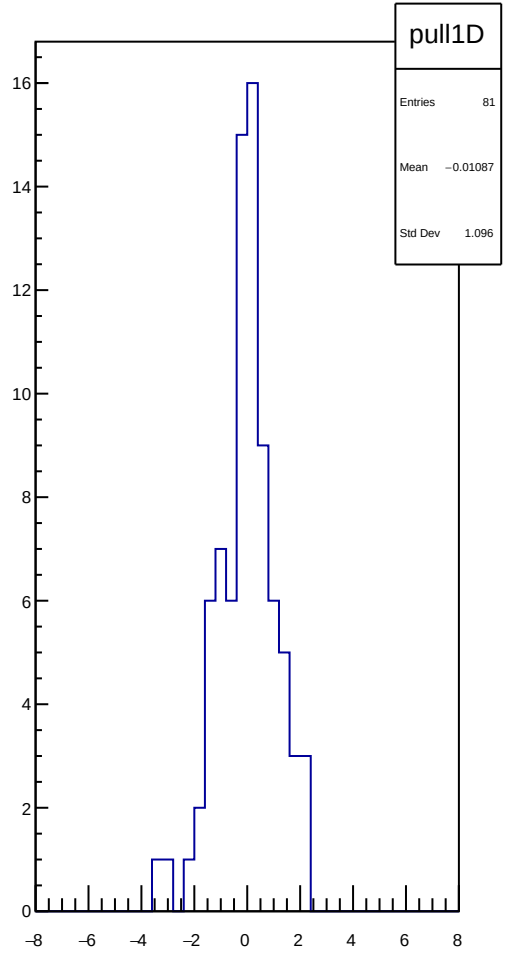

asym_sam_15_avg_rms vs run
χ² / ndf 2.126e+04 / 80
p0 288.6 ± 0.2291
400
380
360
340
320
300
280
260
240
220

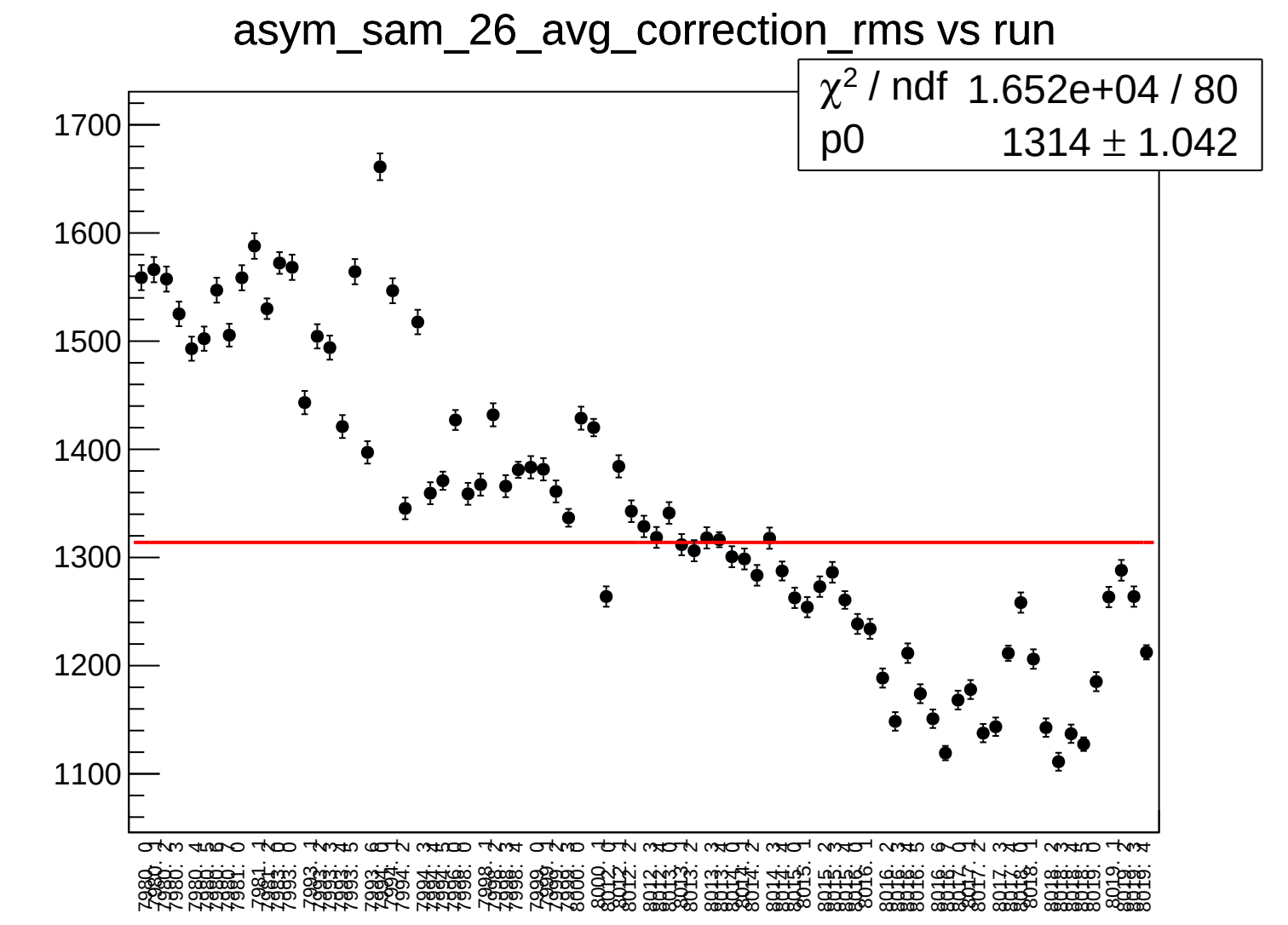

dit_asym_sam_26_avg_mean vs run
χ² / ndf 67.83 / 80
p0 371.1 ± 225.8
pull
Entries 81
Mean −81.96
Std Dev 139.6

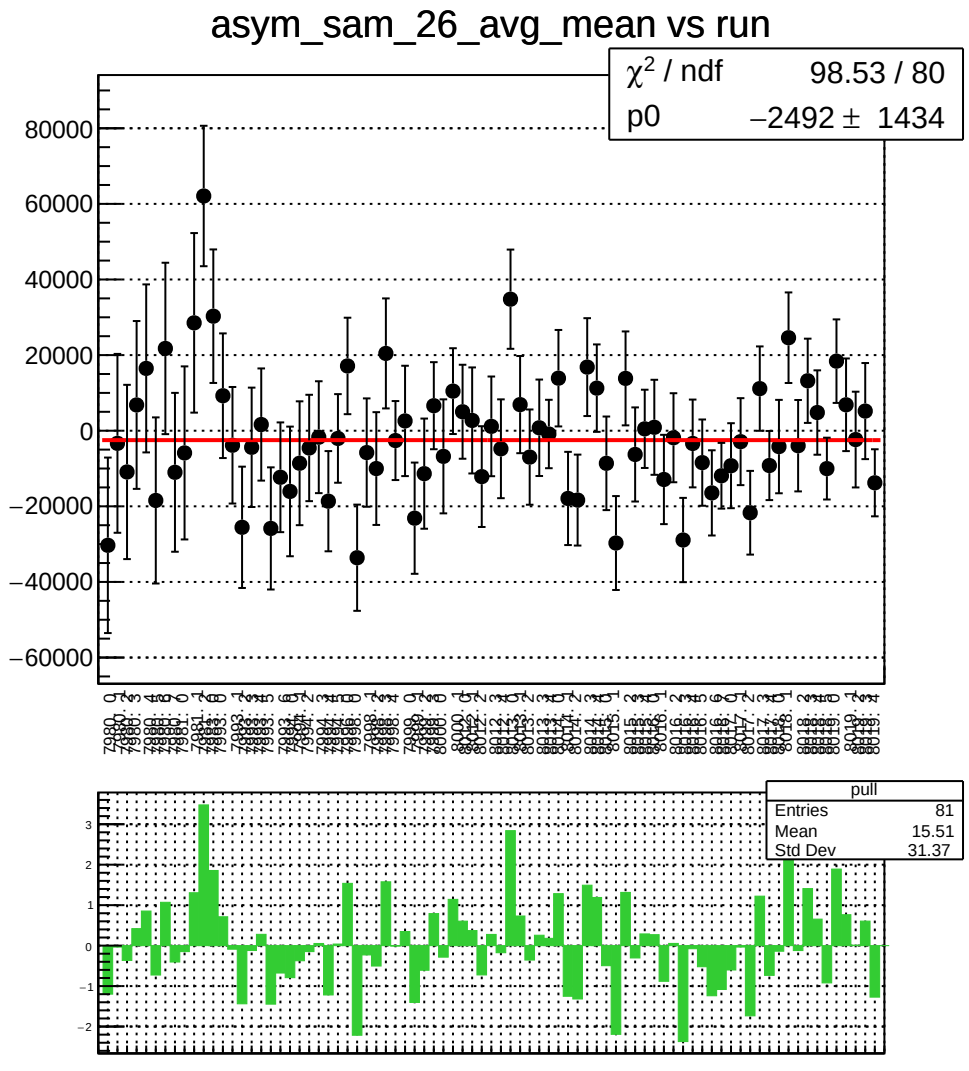

pull1D
Entries 81
Mean 0.01317
Std Dev 0.915

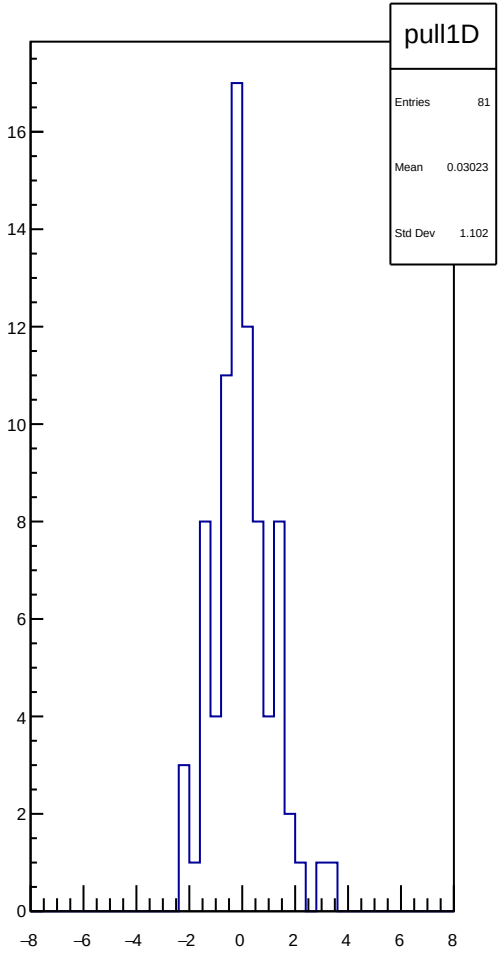

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.332e+05 / 80
p0 193.9 ± 0.1597
700
600
500
400
300
200
100

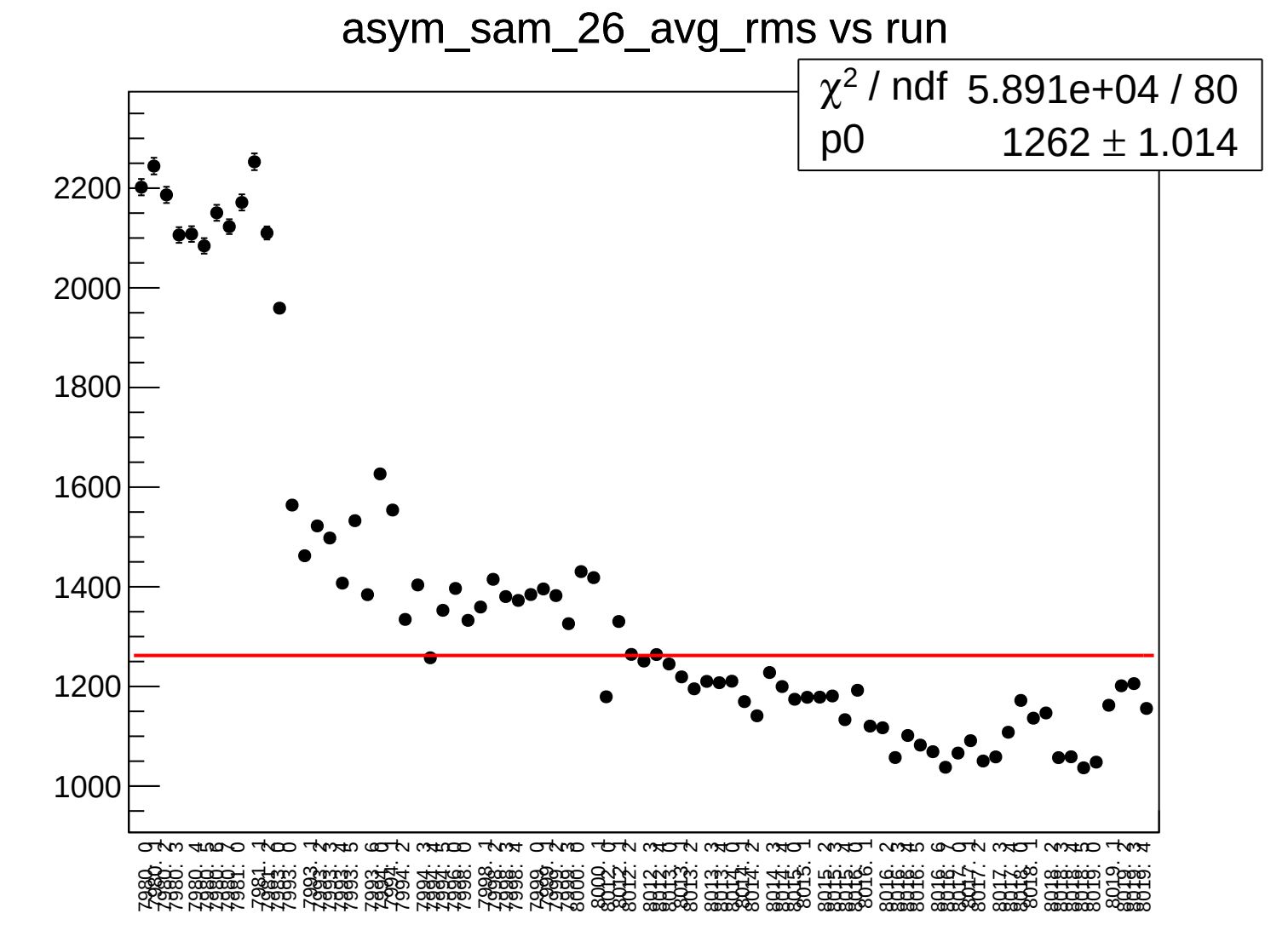

asym_sam_26_avg_correction_mean vs run
χ² / ndf 97.34 / 80
p0 2328 ± 1473
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −81.43
Std Dev 98.54
2
1
0
−1
−2
−3

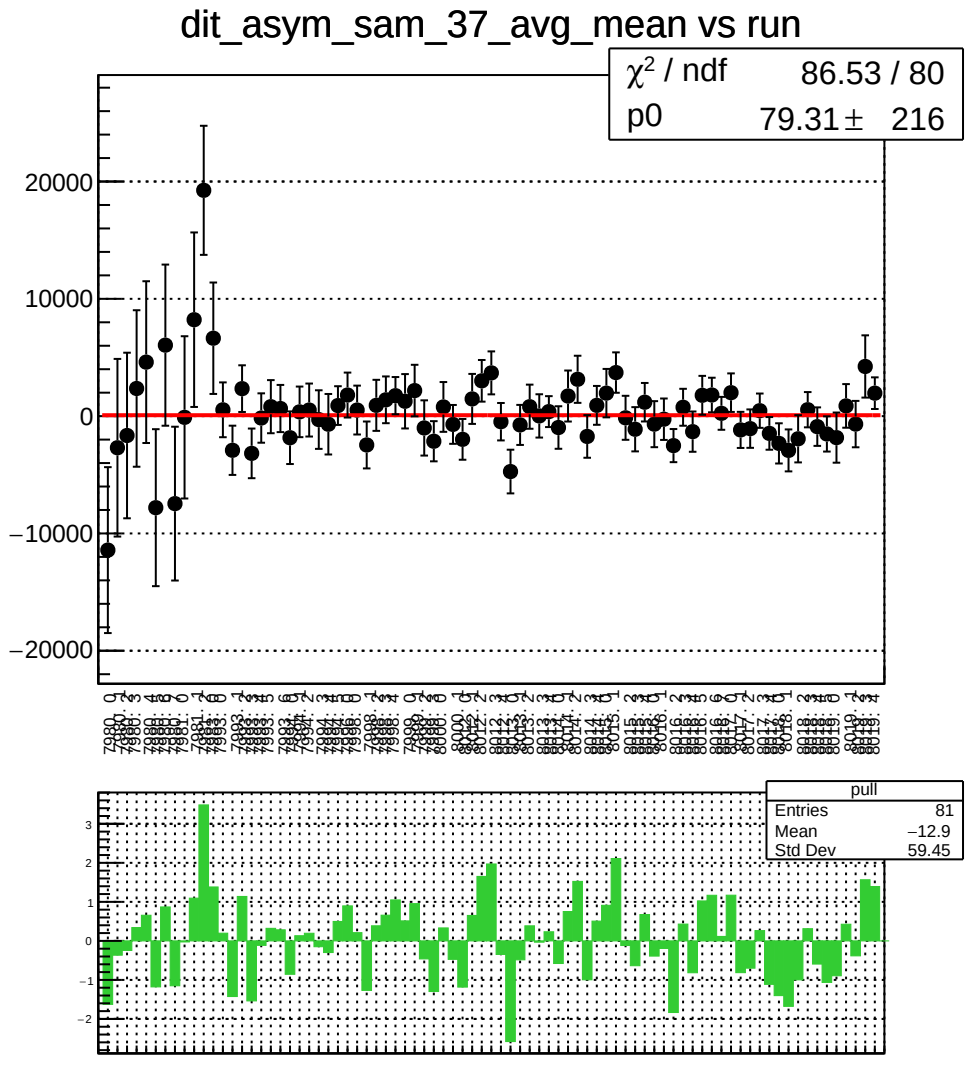

pull1D
Entries 81
Mean −0.01087
Std Dev 1.096
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

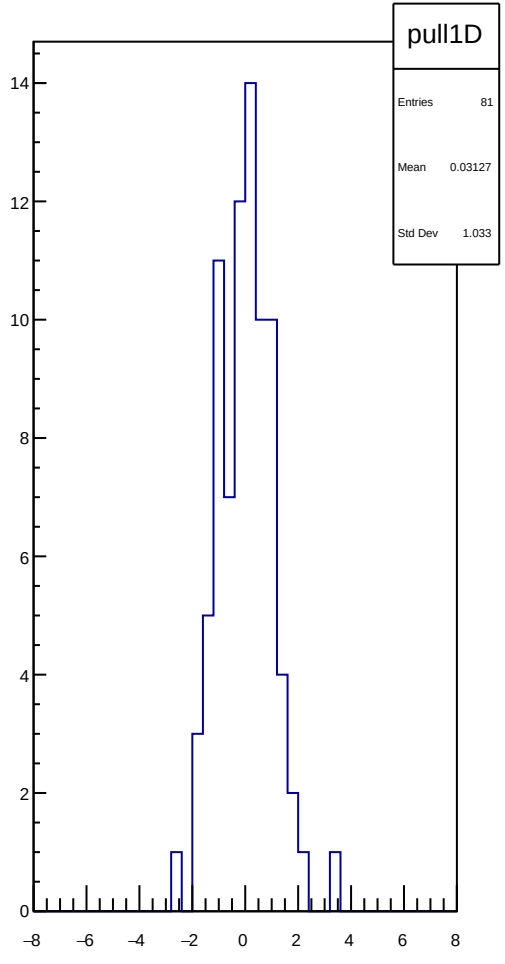

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.652e+04 / 80
p0 1314 ± 1.042
1700
1600
1500
1400
1300
1200
1100

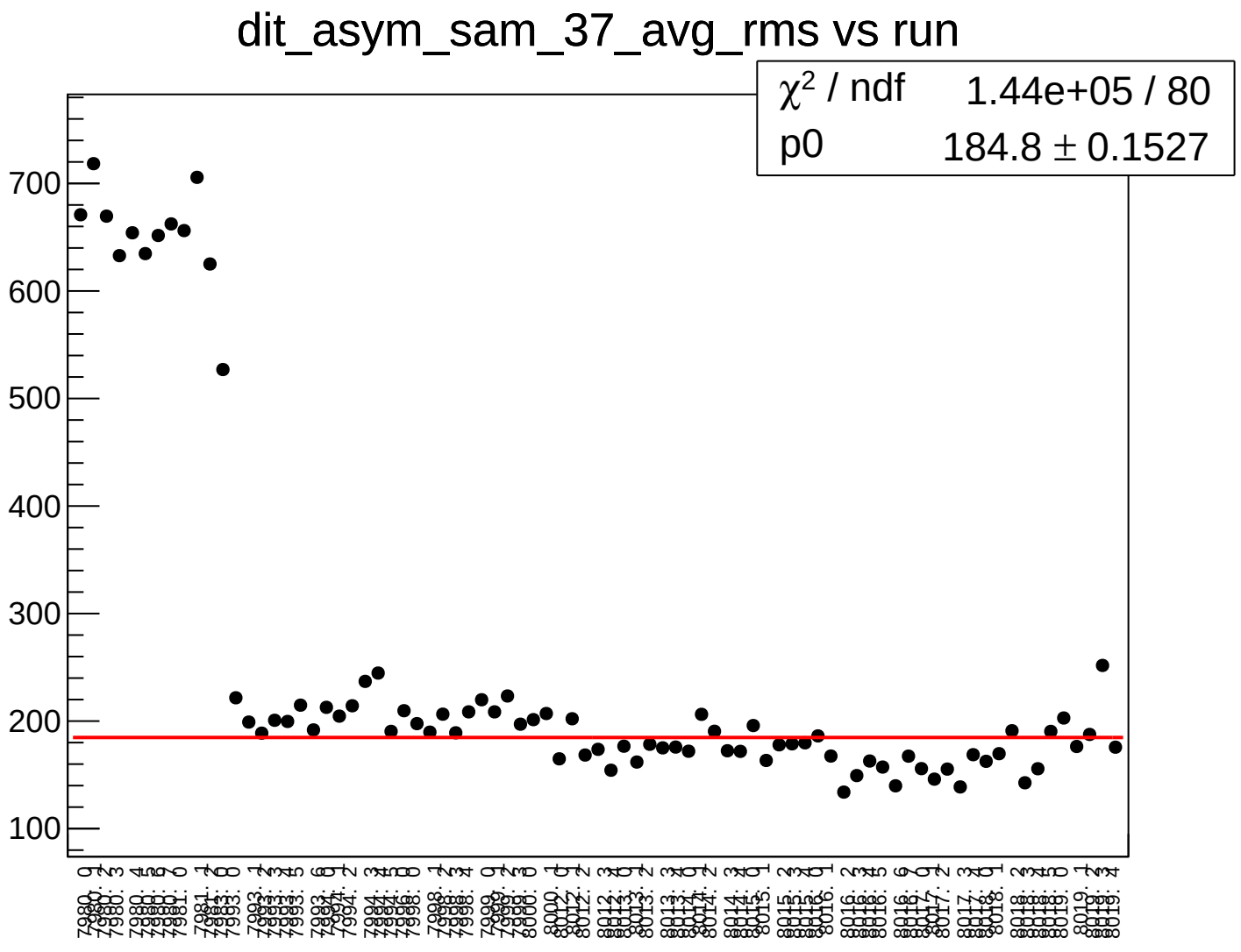

asym_sam_26_avg_mean vs run
χ² / ndf 98.53 / 80
p0 −2492 ± 1434
pull
Entries 81
Mean 15.51
Std Dev 31.37

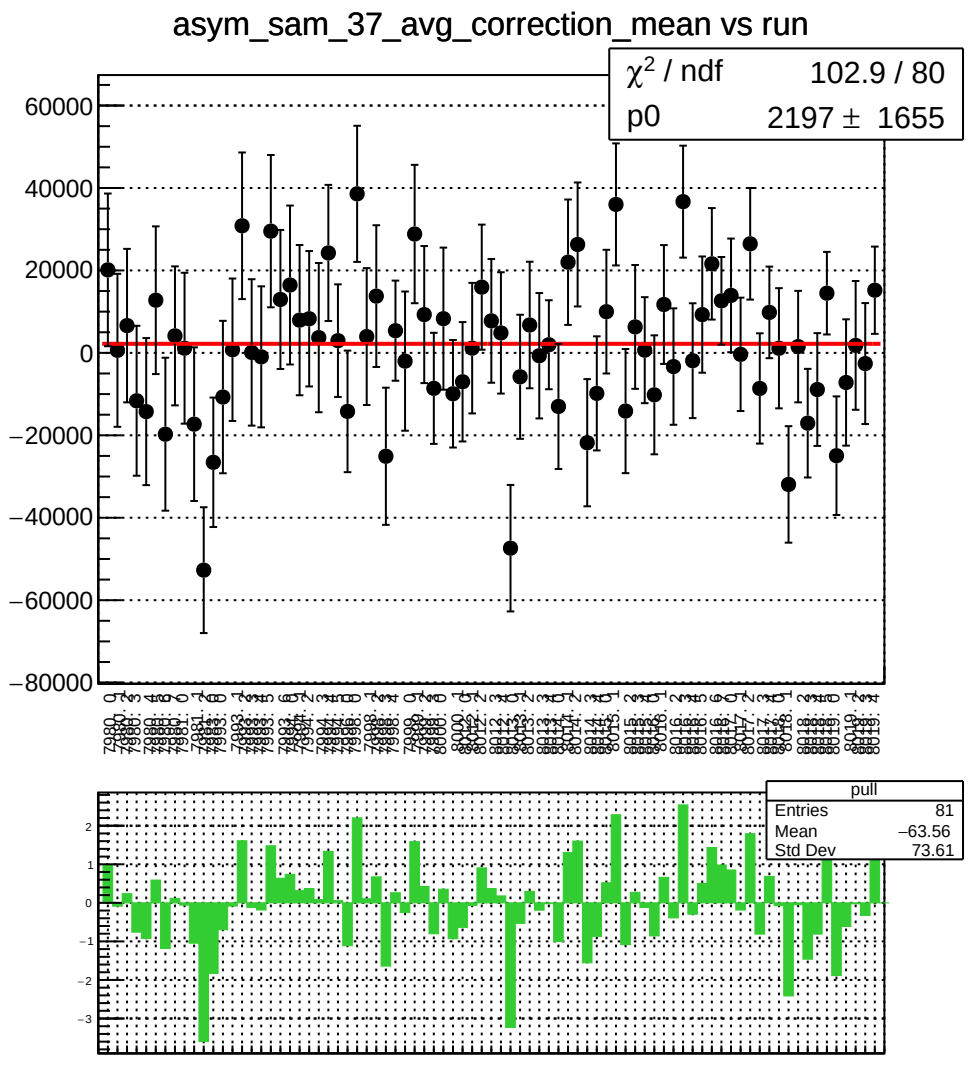

pull1D
Entries 81
Mean 0.03023
Std Dev 1.102

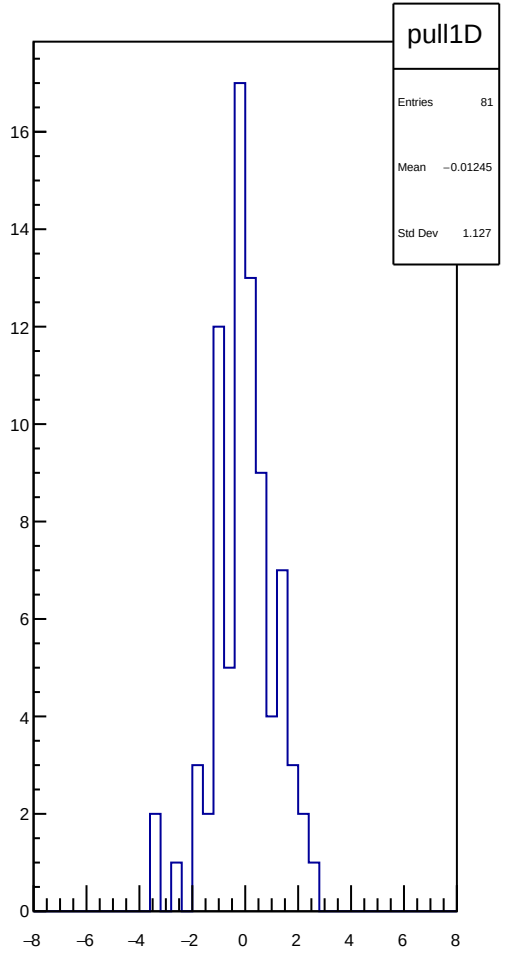

asym_sam_26_avg_rms vs run
χ² / ndf 5.891e+04 / 80
p0 1262 ± 1.014
2200
2000
1800
1600
1400
1200
1000

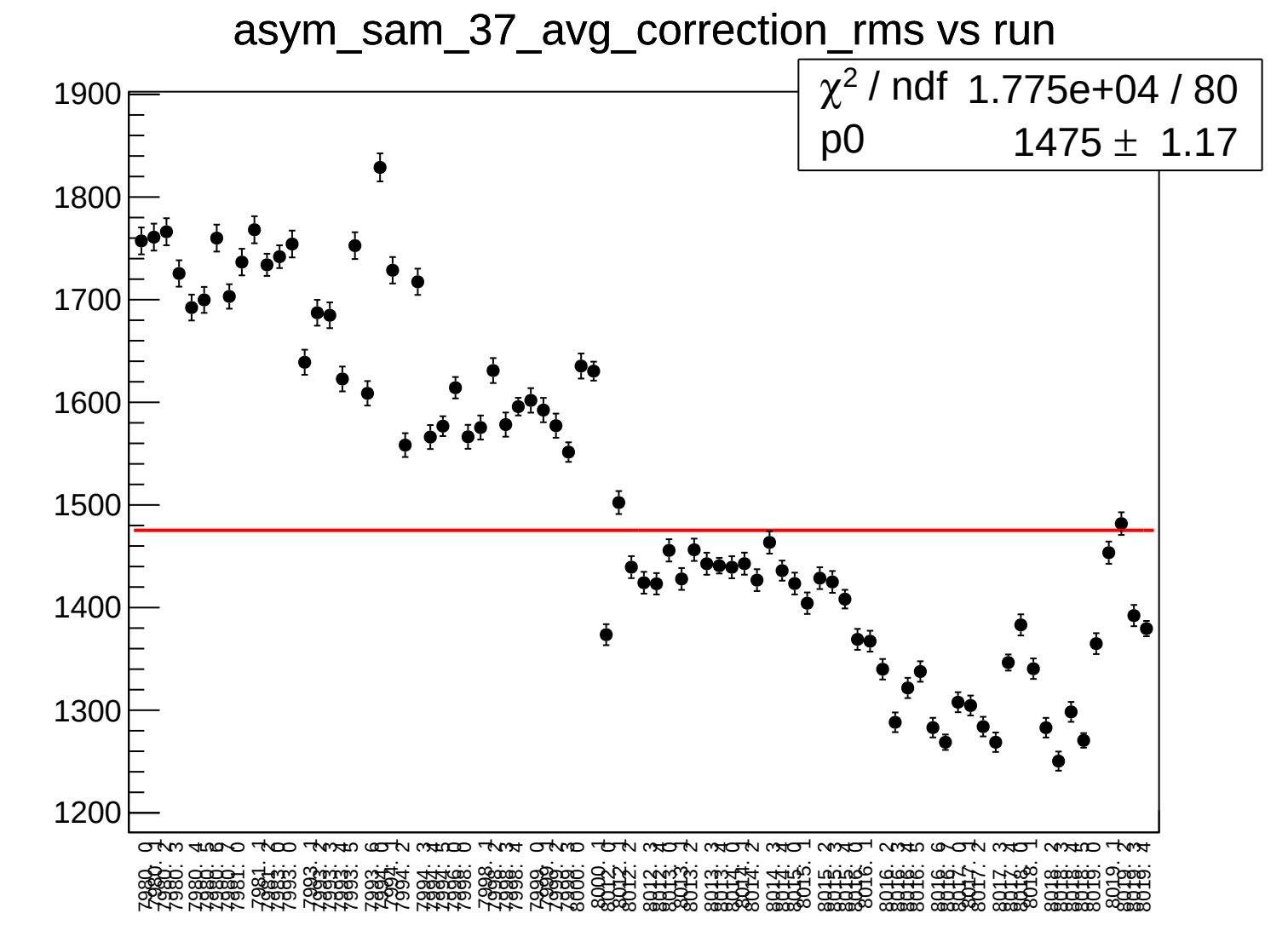

dit_asym_sam_37_avg_mean vs run
χ² / ndf 86.53 / 80
p0 79.31 ± 216
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −12.9
Std Dev 59.45
3
2
1
0
−1
−2

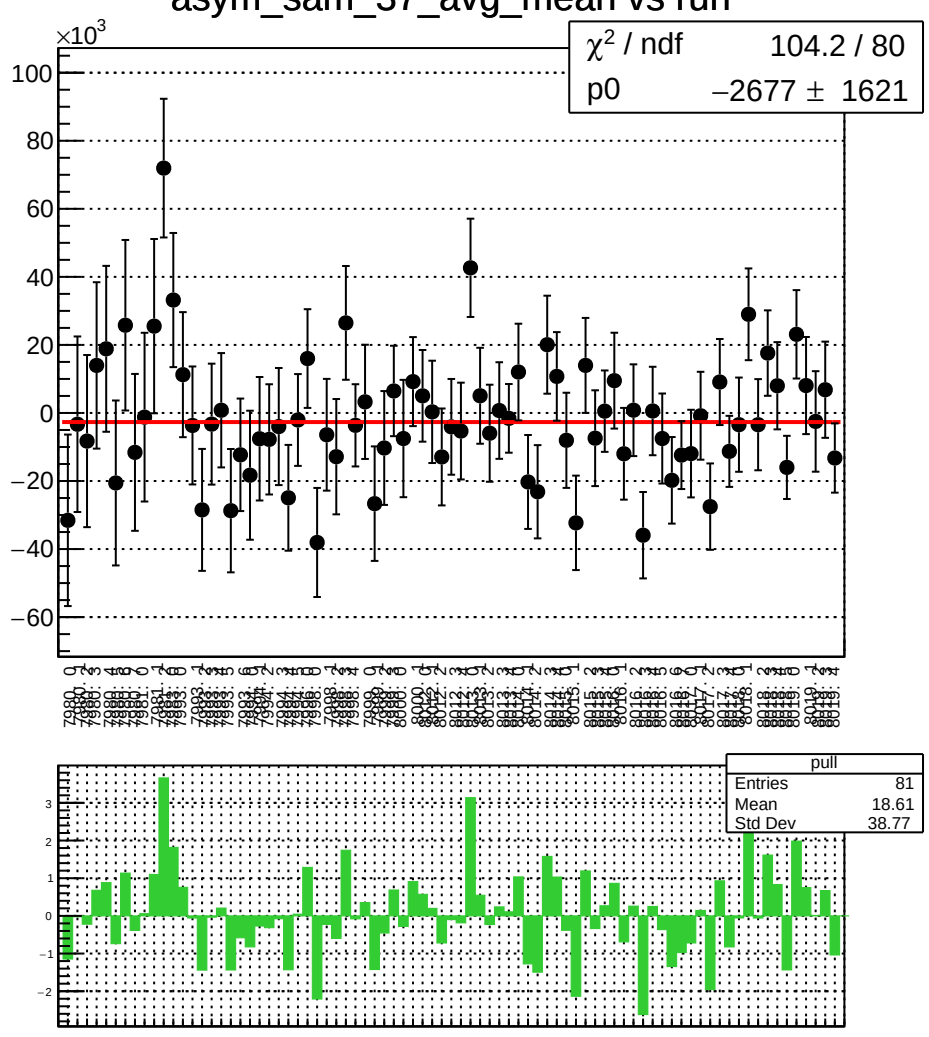

pull1D
Entries 81
Mean 0.03127
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

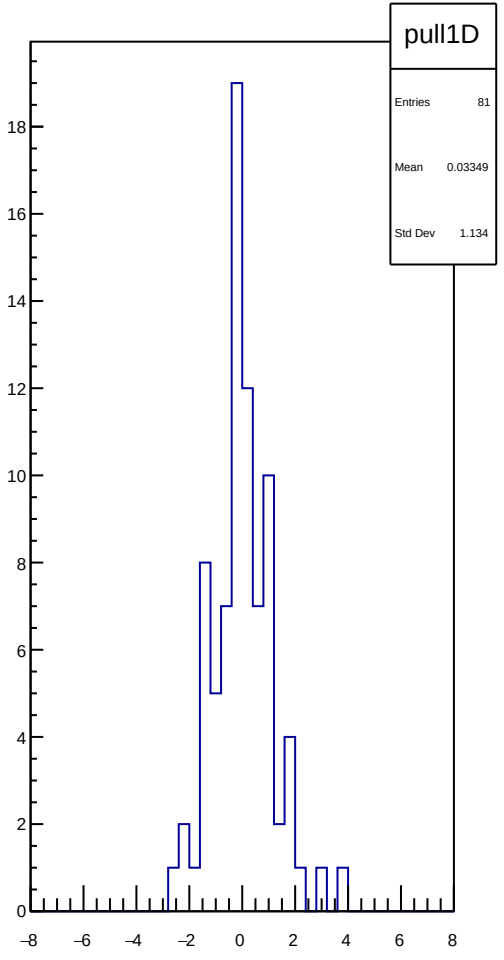

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.44e+05 / 80
p0 184.8 ± 0.1527
700
600
500
400
300
200
100

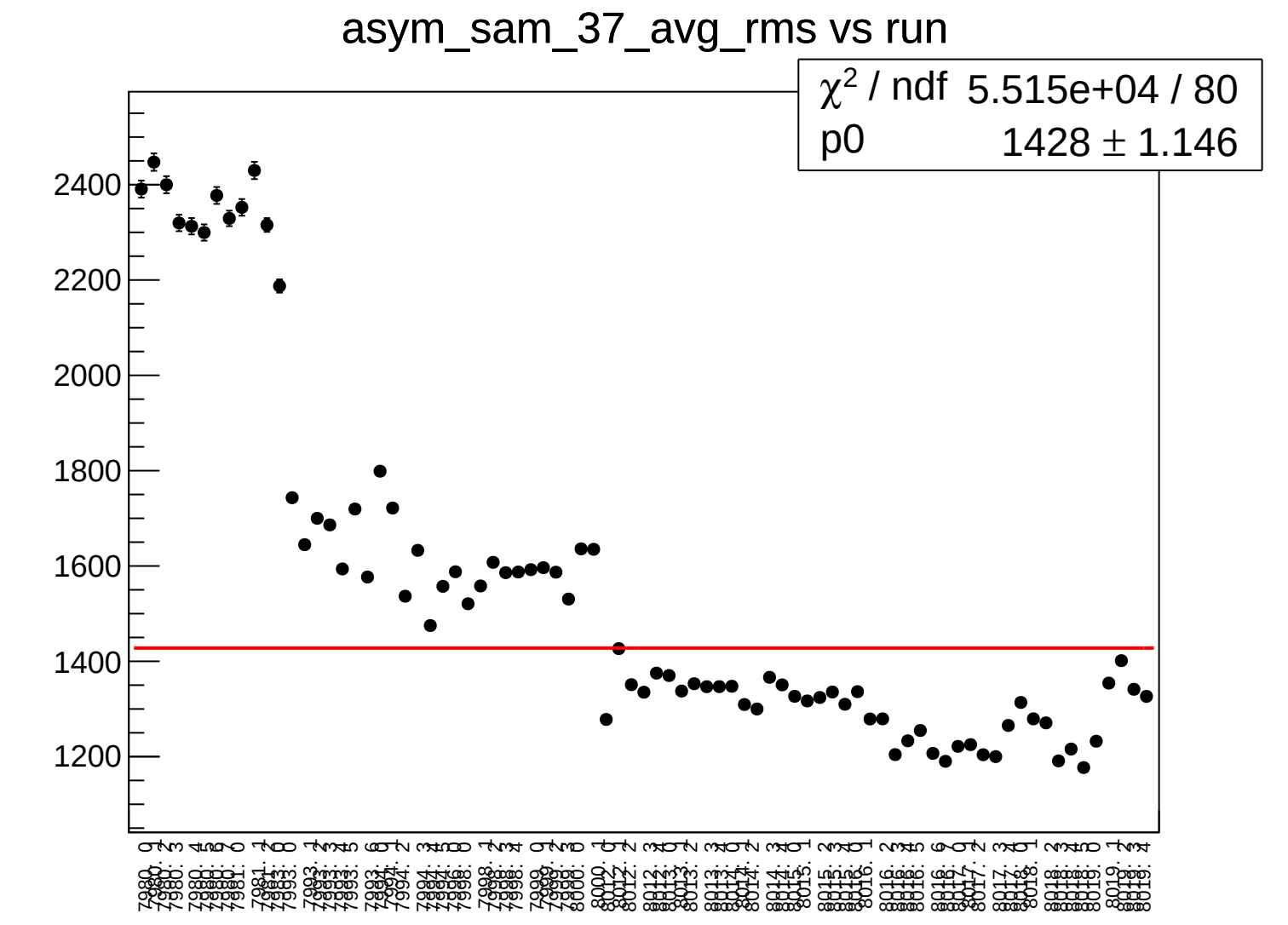

asym_sam_37_avg_correction_mean vs run
χ² / ndf 102.9 / 80
p0 2197 ± 1655
pull
Entries 81
Mean −63.56
Std Dev 73.61

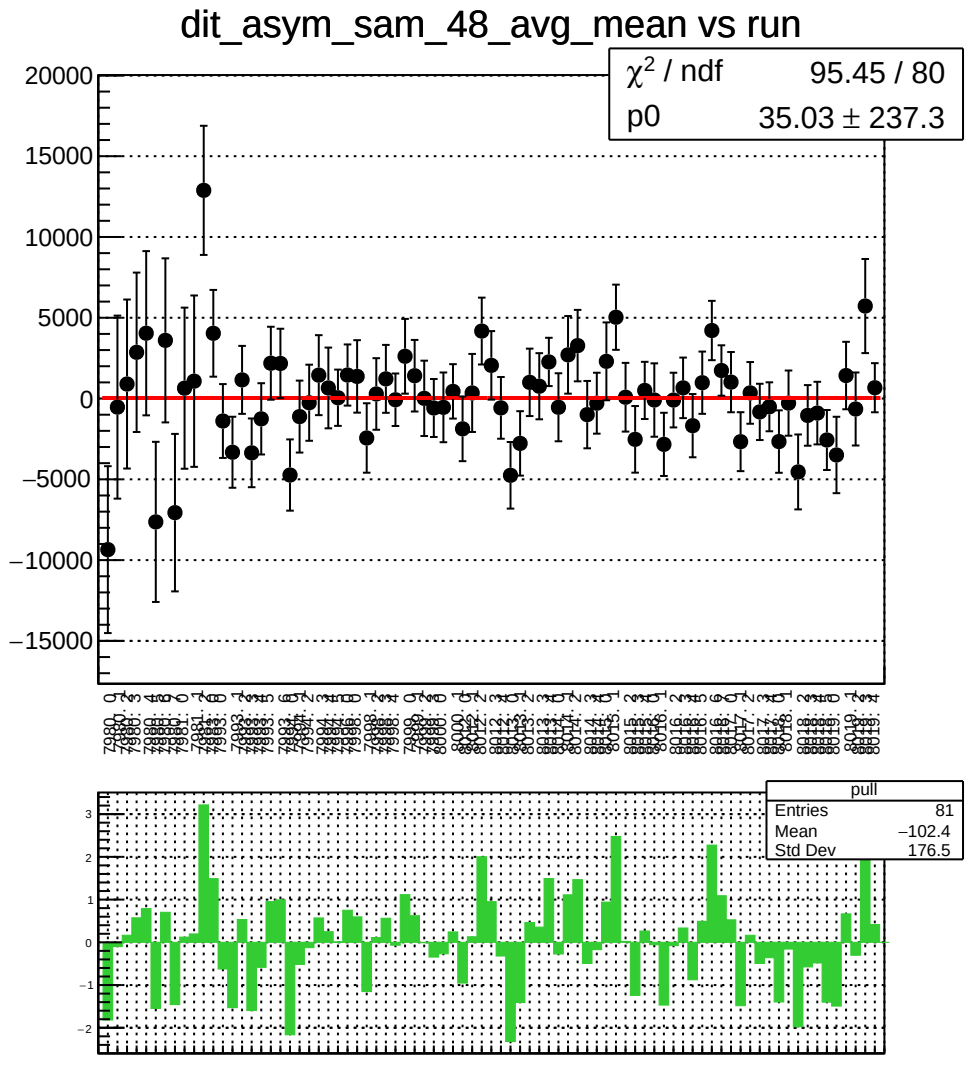

pull1D
Entries 81
Mean −0.01245
Std Dev 1.127

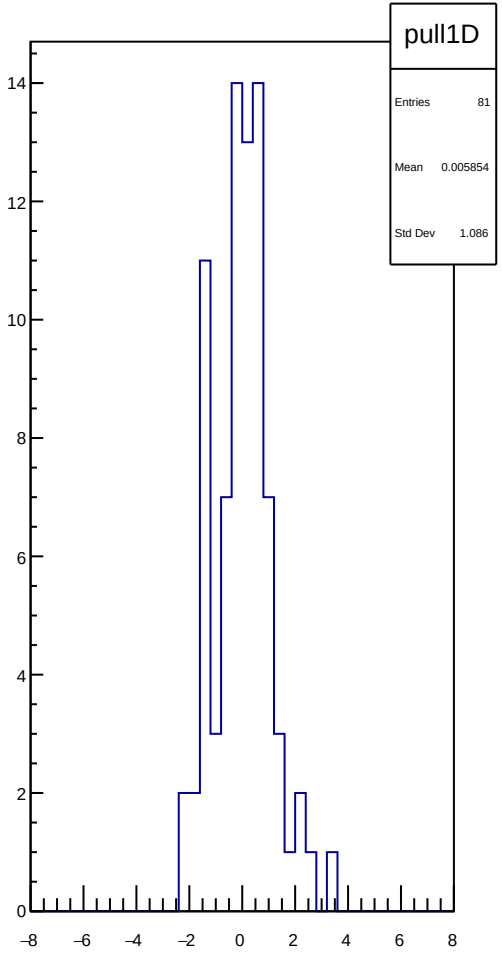

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.775e+04 / 80
p0 1475 ± 1.17
1900
1800
1700
1600
1500
1400
1300
1200

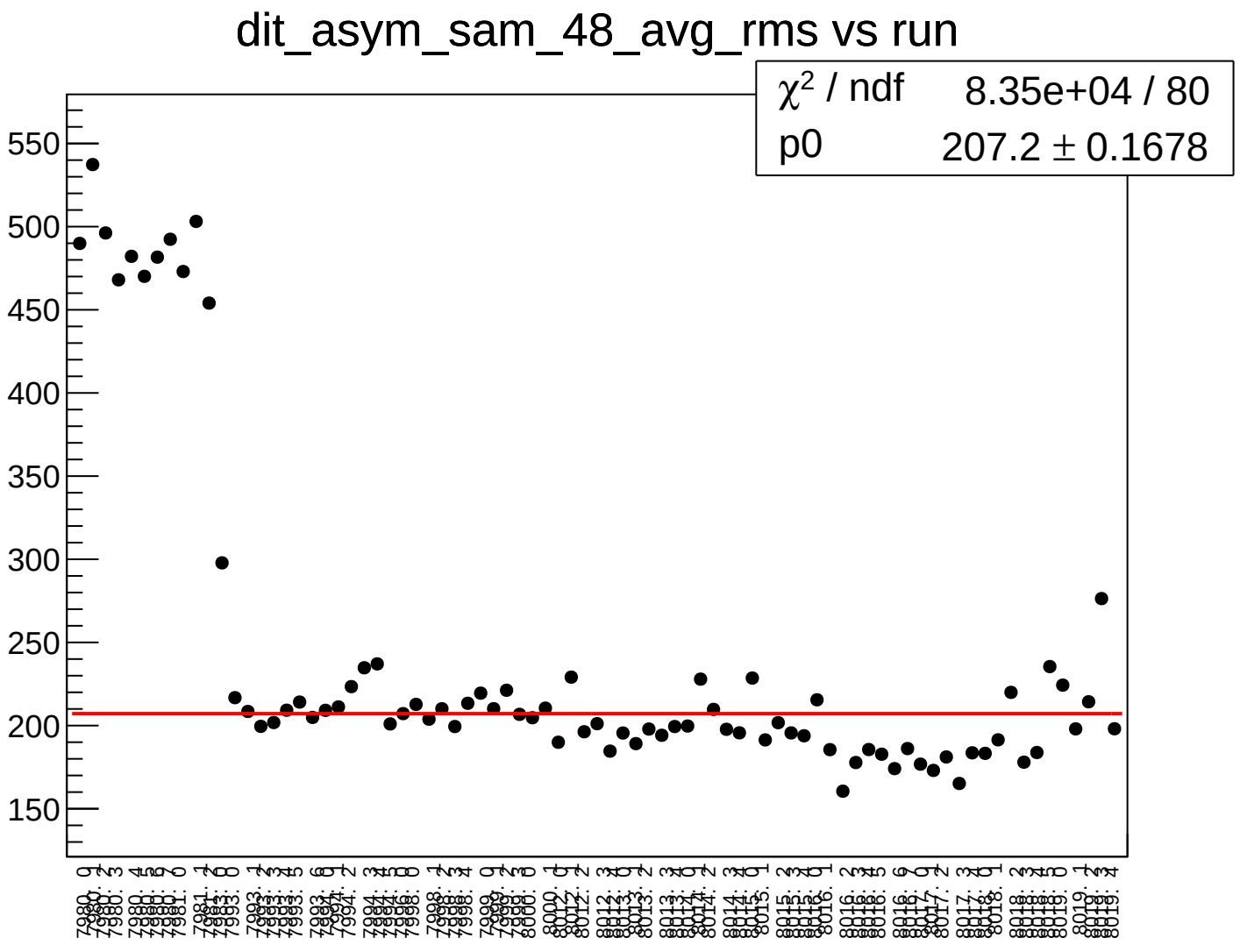

asym_sam_37_avg_mean vs run
χ² / ndf 104.2 / 80
p0 −2677 ± 1621
pull
Entries 81
Mean 18.61
Std Dev 38.77

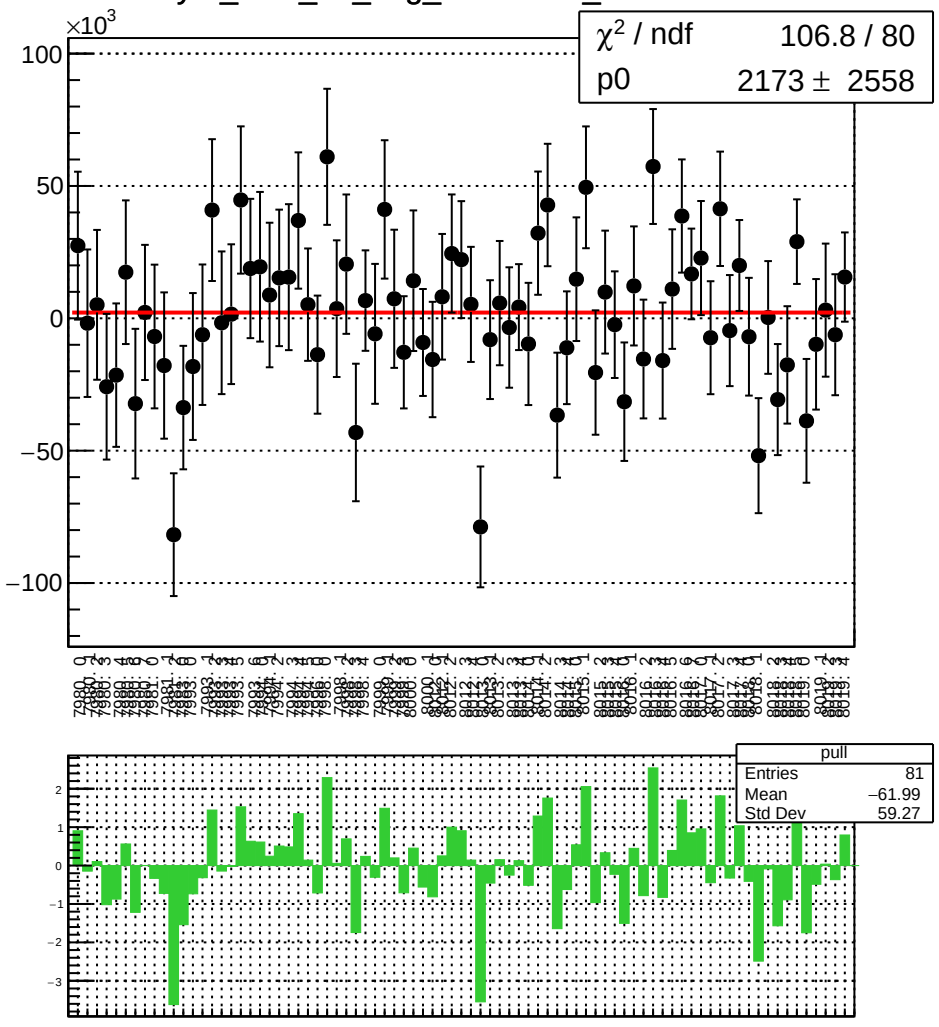

pull1D
Entries 81
Mean 0.03349
Std Dev 1.134

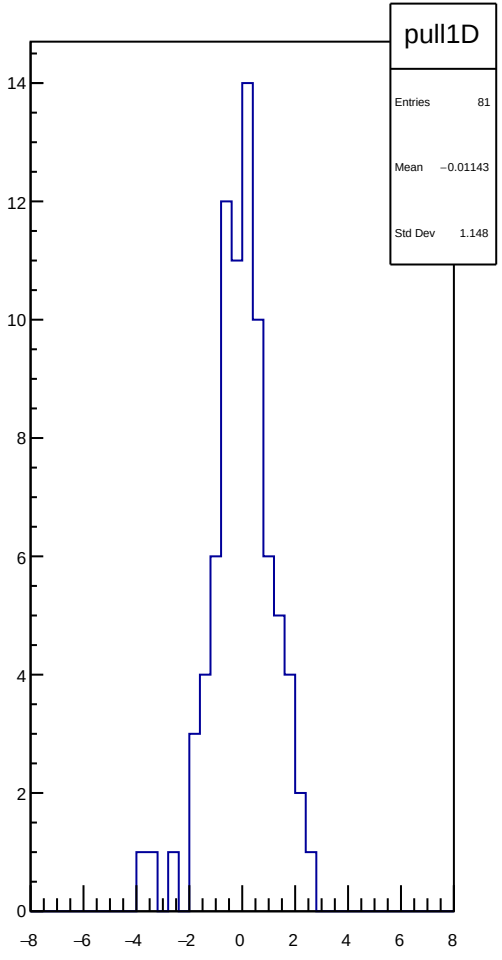

asym_sam_37_avg_rms vs run
χ² / ndf 5.515e+04 / 80
p0 1428 ± 1.146
2400
2200
2000
1800
1600
1400
1200

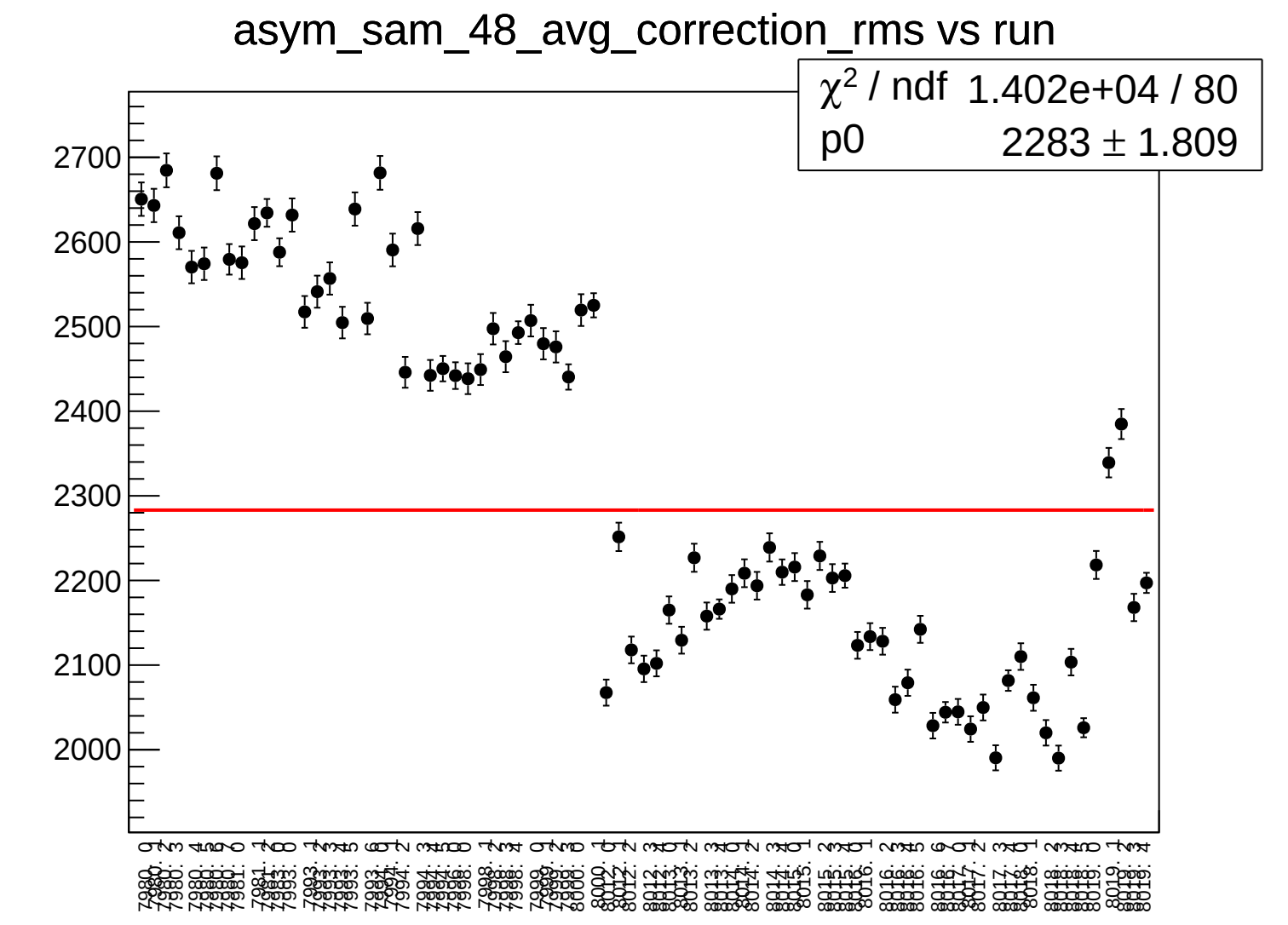

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 95.45 / 80
p0 35.03 ± 237.3
pull
Entries 81
Mean −102.4
Std Dev 176.5

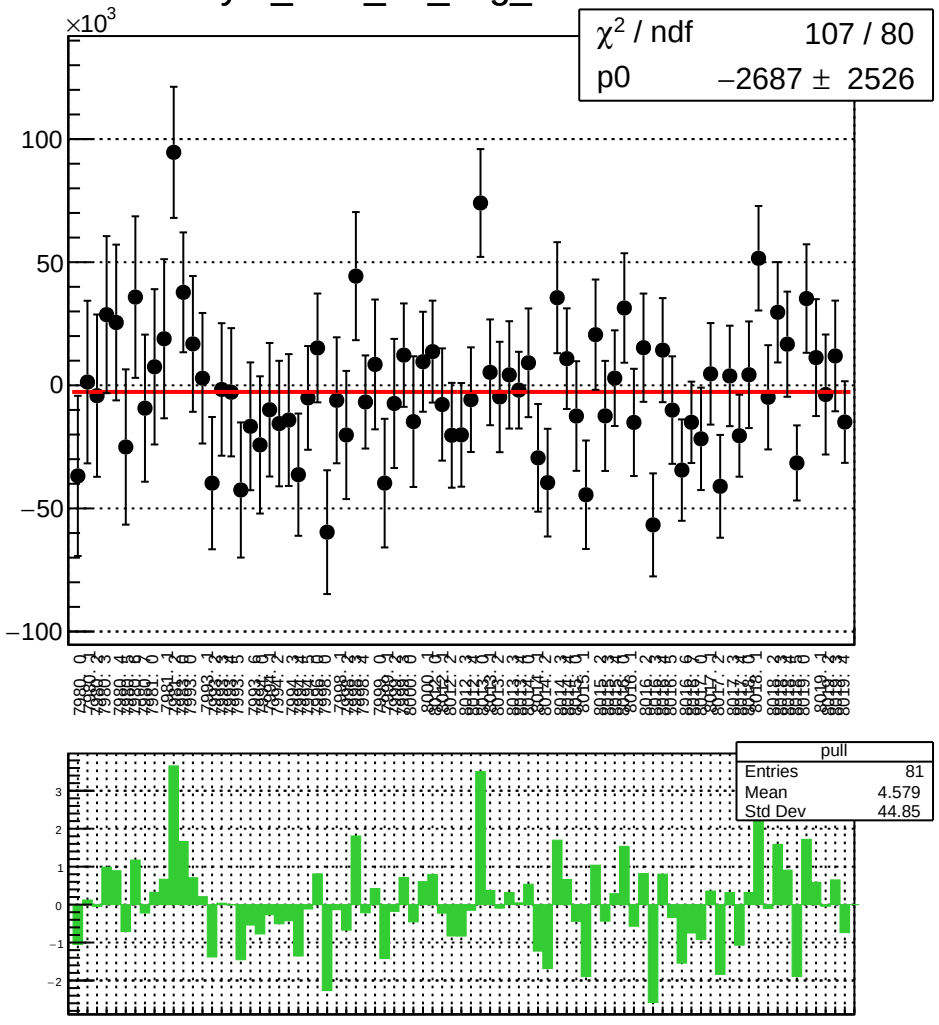

pull1D
Entries 81
Mean 0.005854
Std Dev 1.086

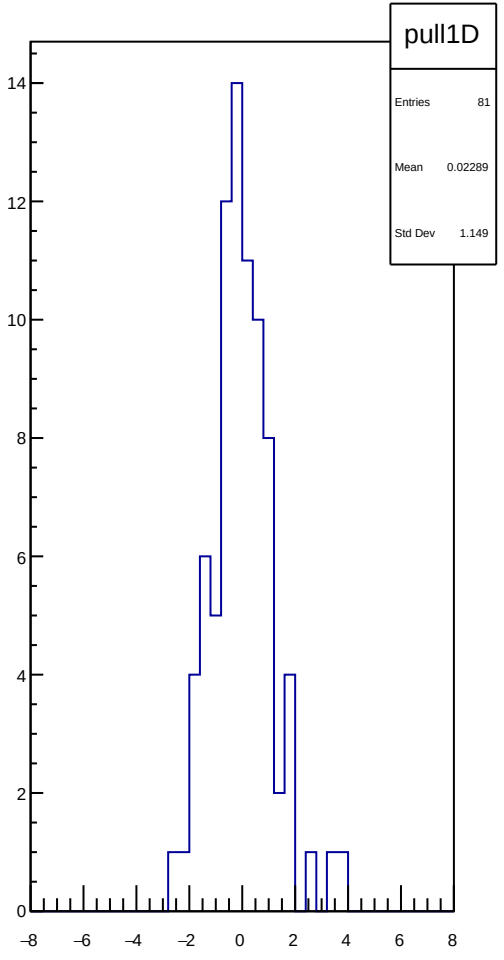

dit_asym_sam_48_avg_rms vs run
χ² / ndf 8.35e+04 / 80
p0 207.2 ± 0.1678
550
500
450
400
350
300
250
200
150

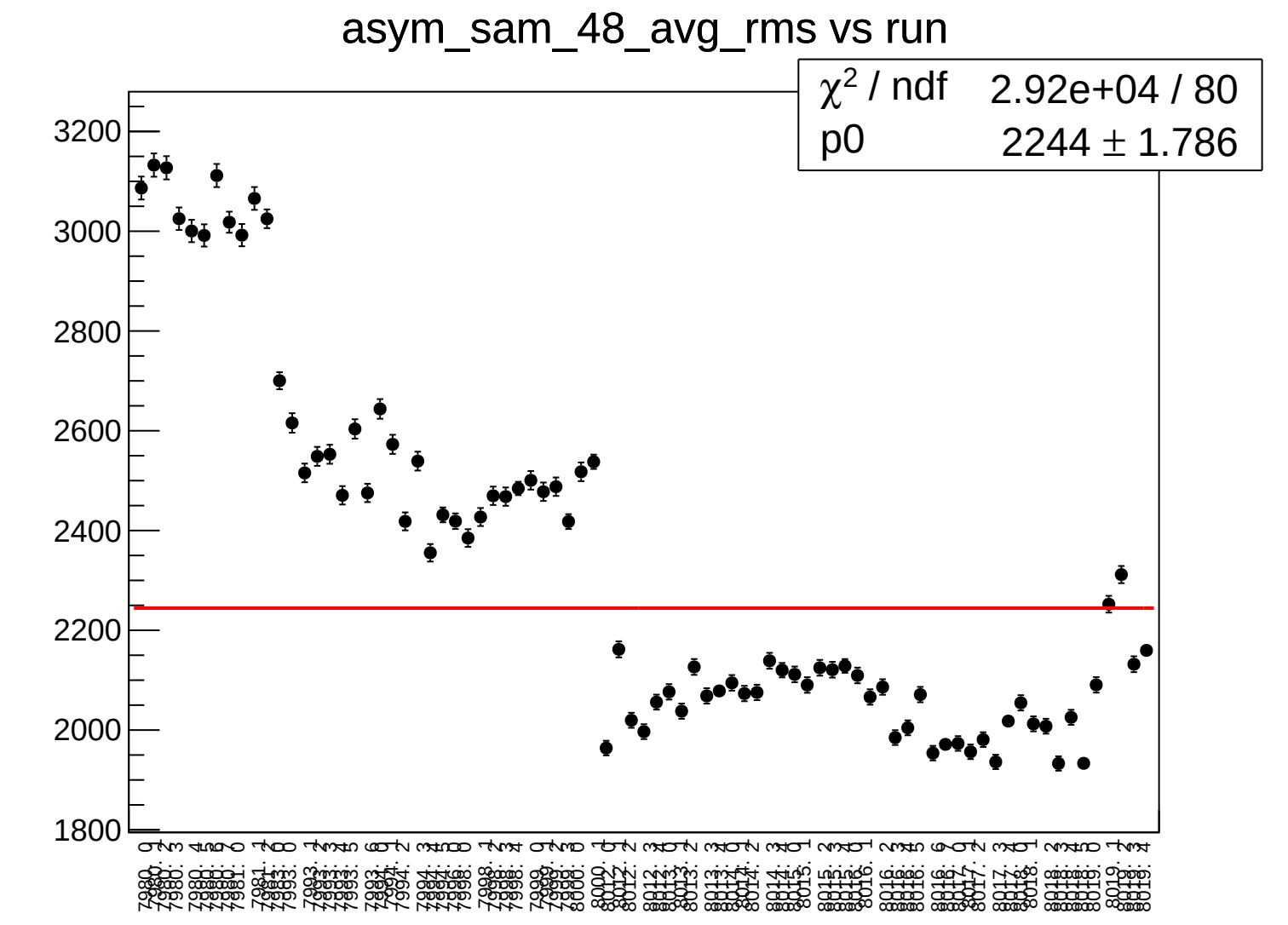

asym_sam_48_avg_correction_mean vs run
×10^3
χ^2 / ndf 106.8 / 80
p0 2173 ± 2558
100
50
0
−50
−100
pull
Entries 81
Mean −61.99
Std Dev 59.27
2
1
0
−1
−2
−3

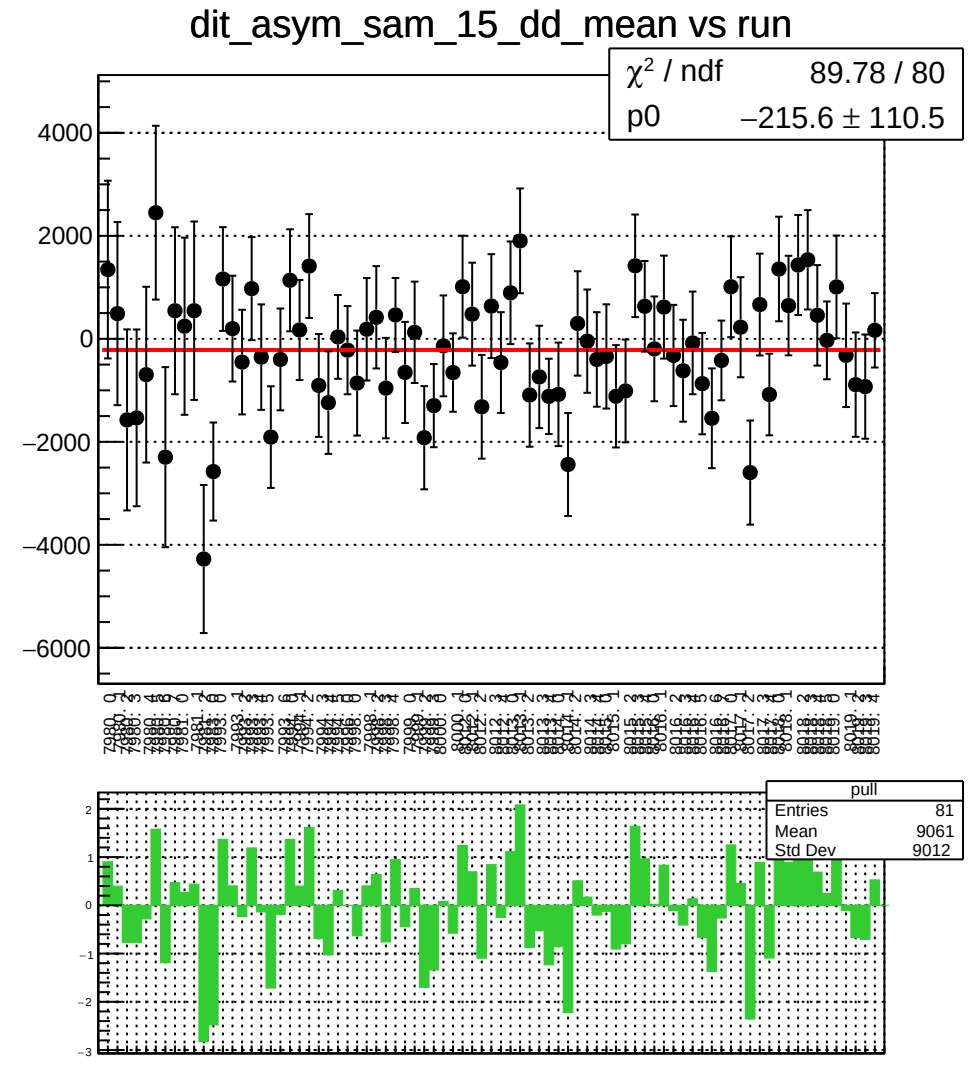

pull1D
Entries 81
Mean −0.01143
Std Dev 1.148
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

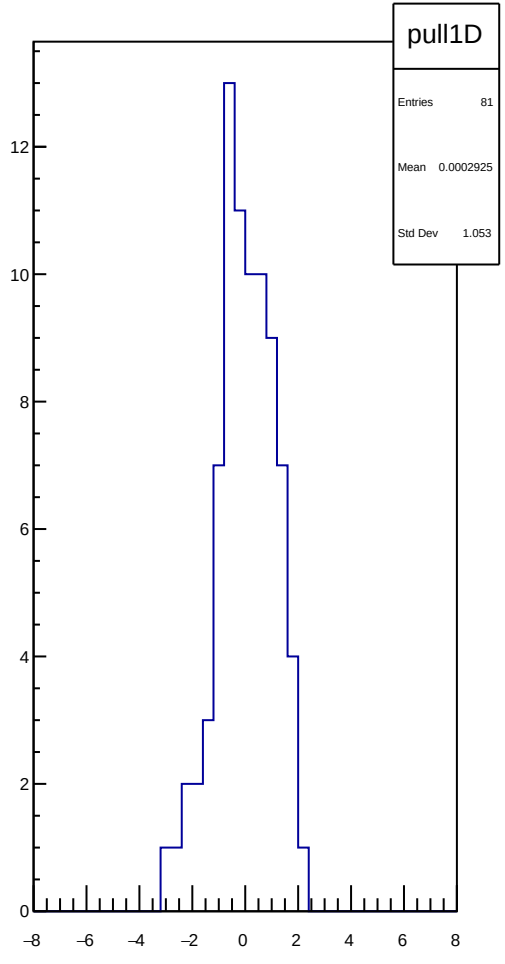

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.402e+04 / 80
p0 2283 ± 1.809
2700
2600
2500
2400
2300
2200
2100
2000

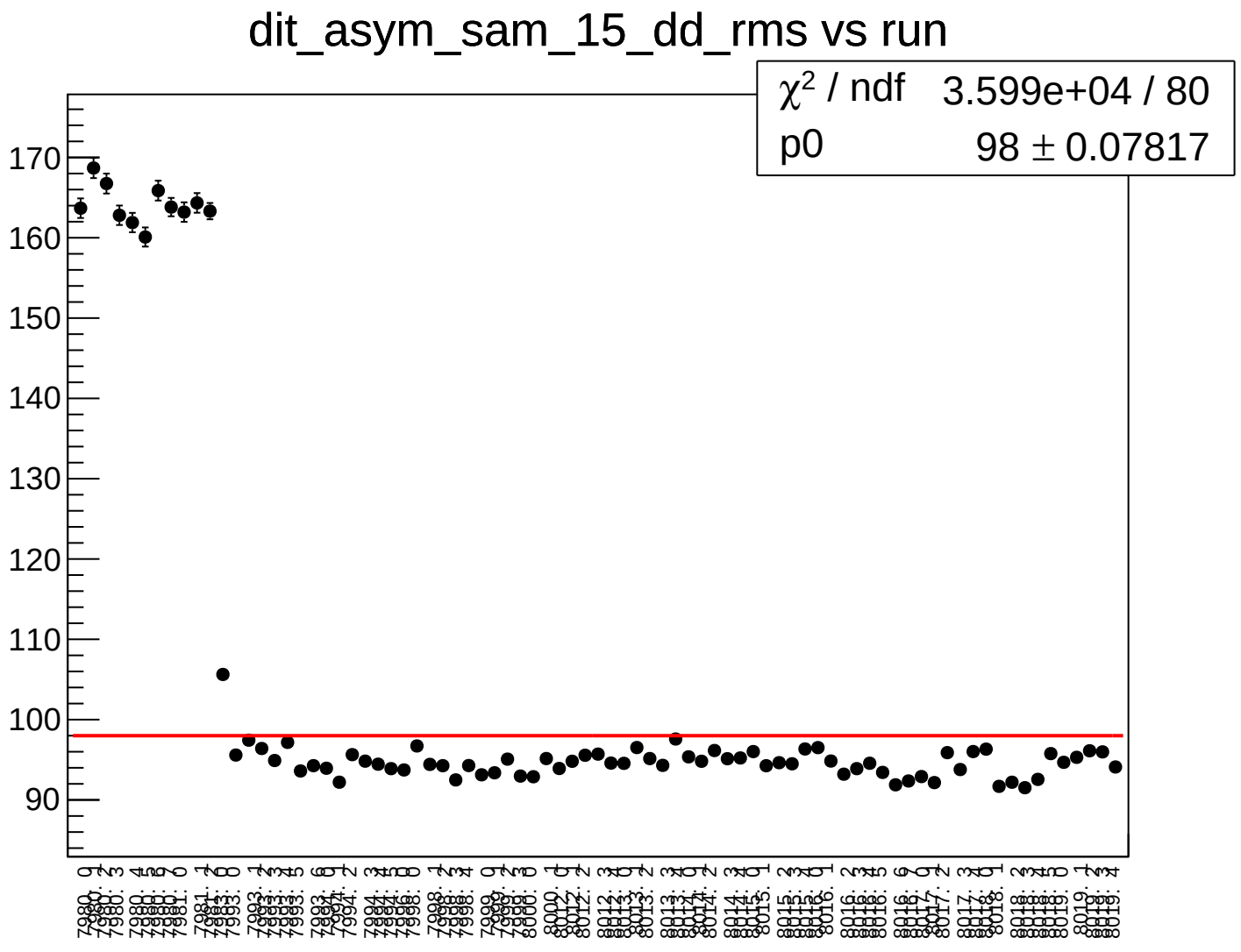

asym_sam_48_avg_mean vs run
χ² / ndf 107 / 80
p0 −2687 ± 2526
pull
Entries 81
Mean 4.579
Std Dev 44.85

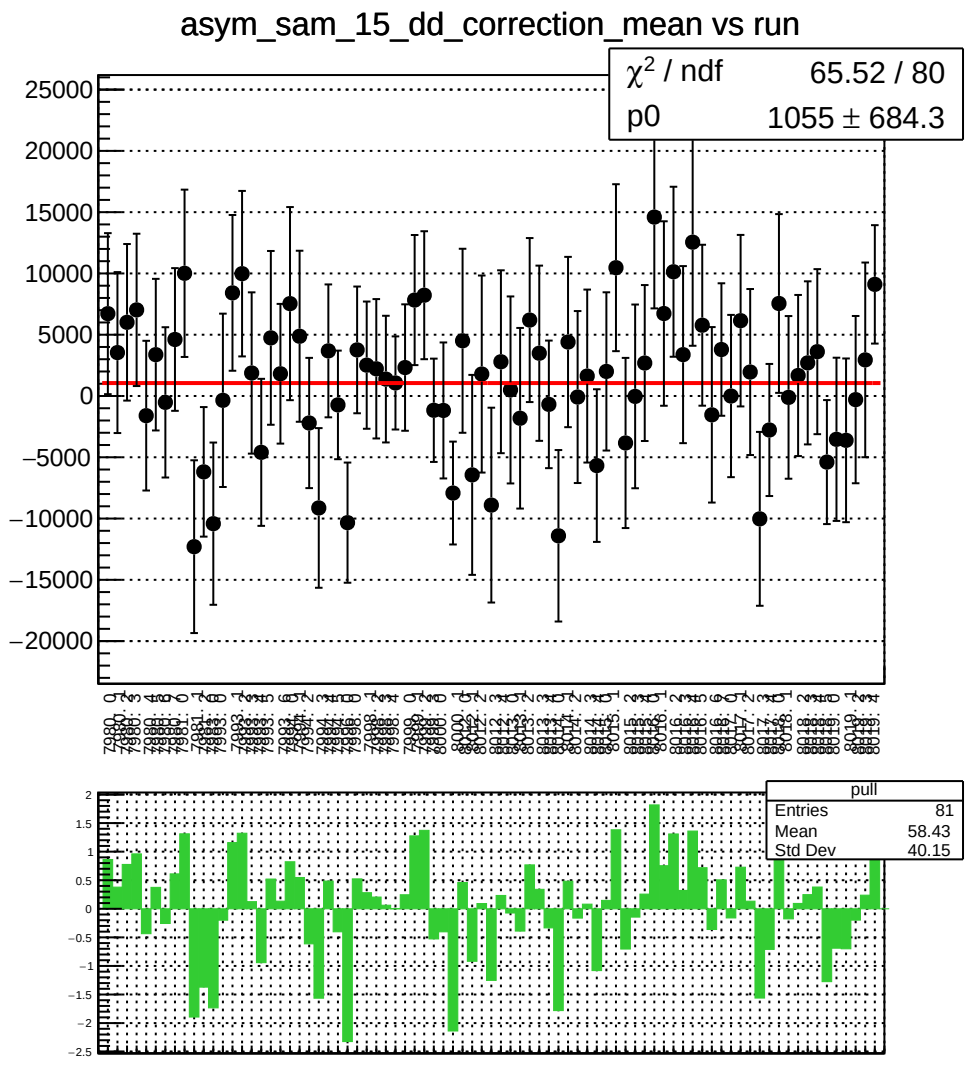

pull1D
Entries 81
Mean 0.02289
Std Dev 1.149

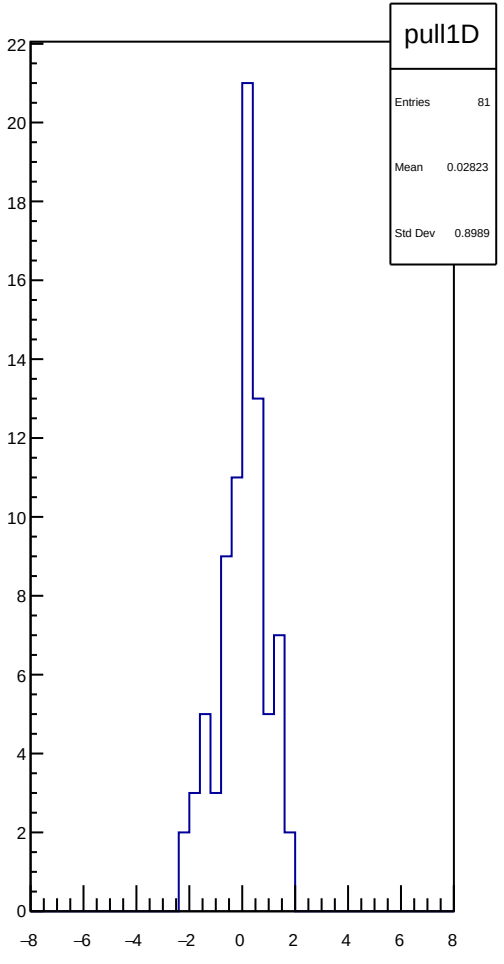

asym_sam_48_avg_rms vs run
χ² / ndf 2.92e+04 / 80
p0 2244 ± 1.786
3200
3000
2800
2600
2400
2200
2000
1800

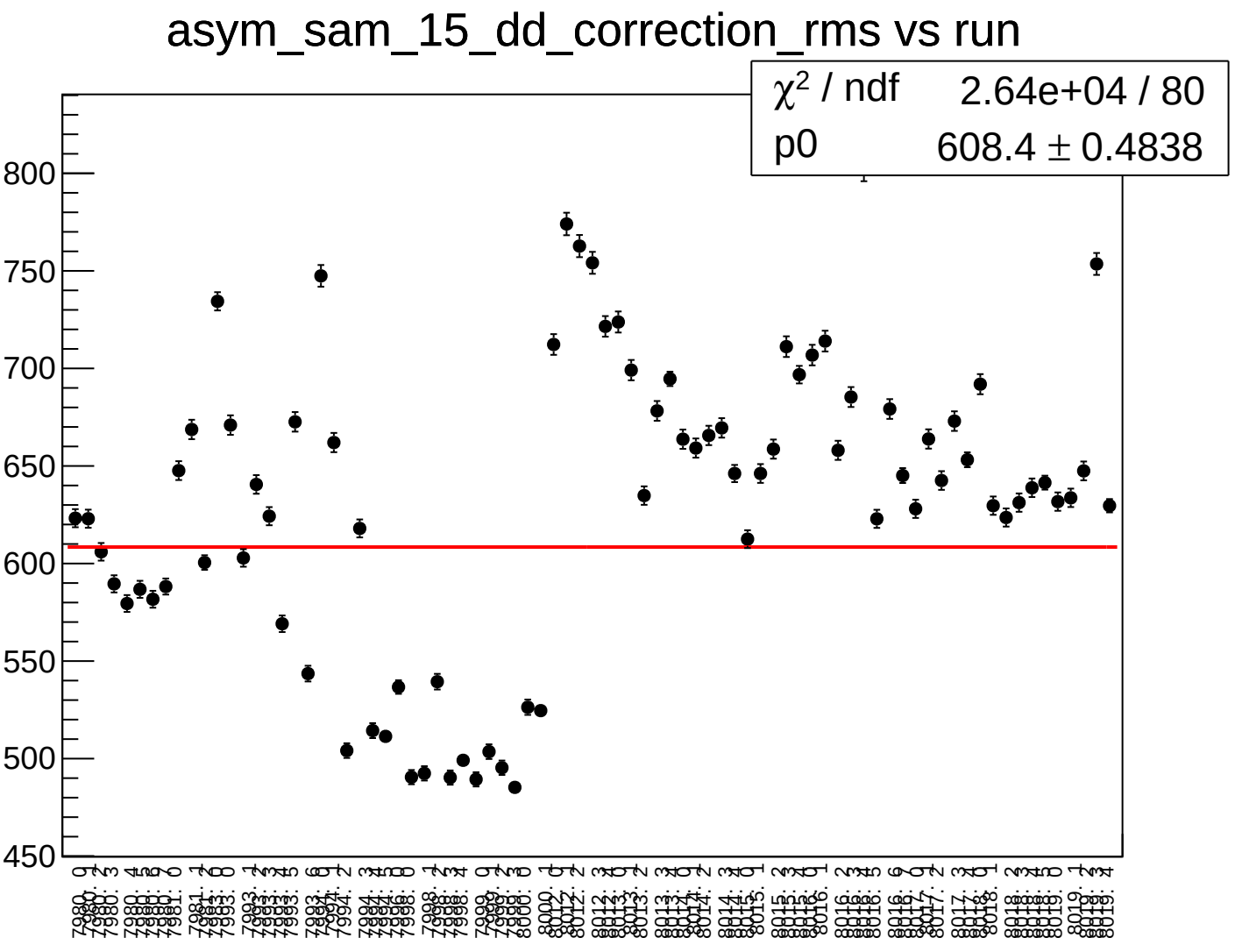

dit_asym_sam_15_dd_mean vs run
χ² / ndf 89.78 / 80
p0 −215.6 ± 110.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 9061
Std Dev 9012
2
1
0
−1
−2
−3

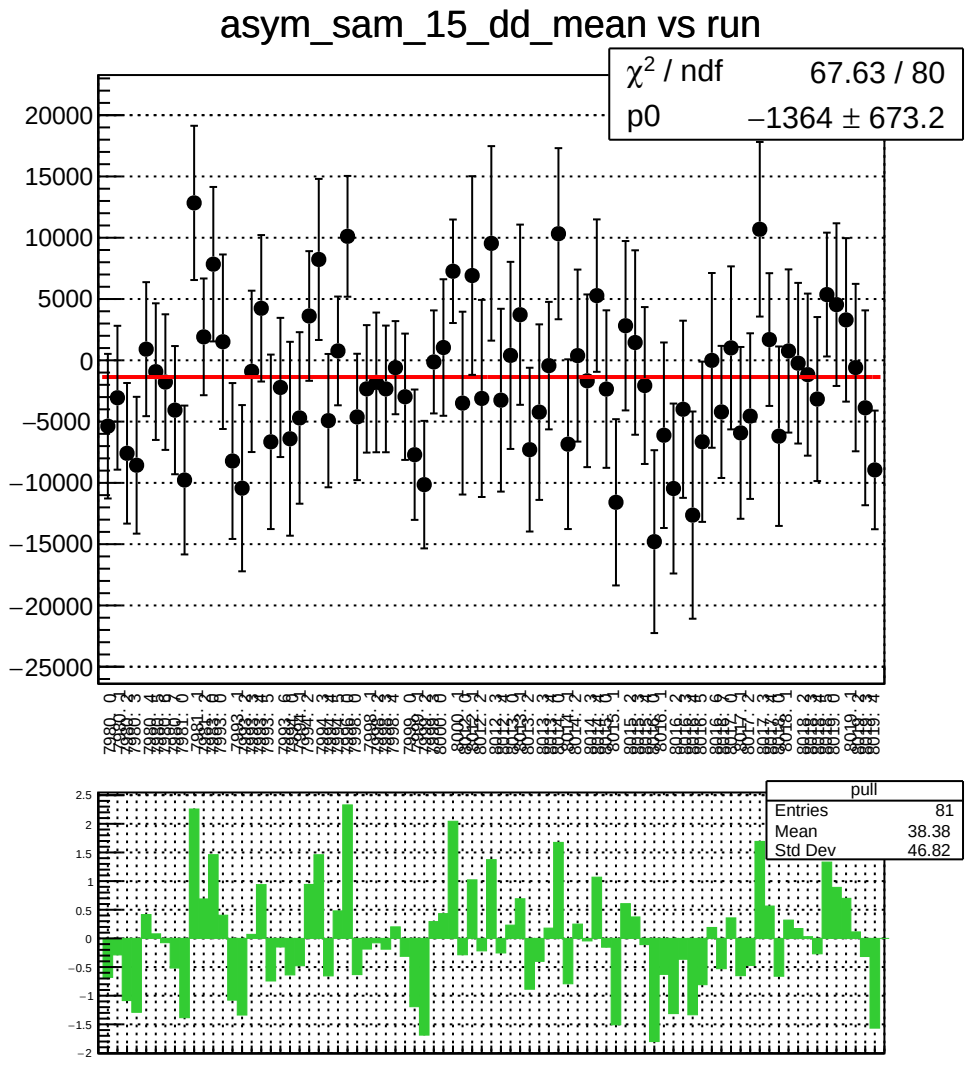

pull1D
Entries 81
Mean 0.0002925
Std Dev 1.053
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

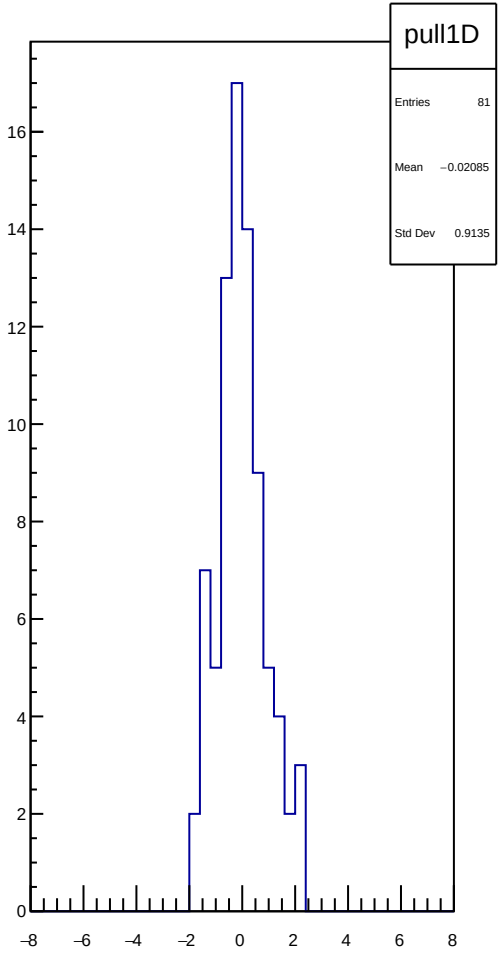

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3.599e+04 / 80
p0 98 ± 0.07817
170
160
150
140
130
120
110
100
90

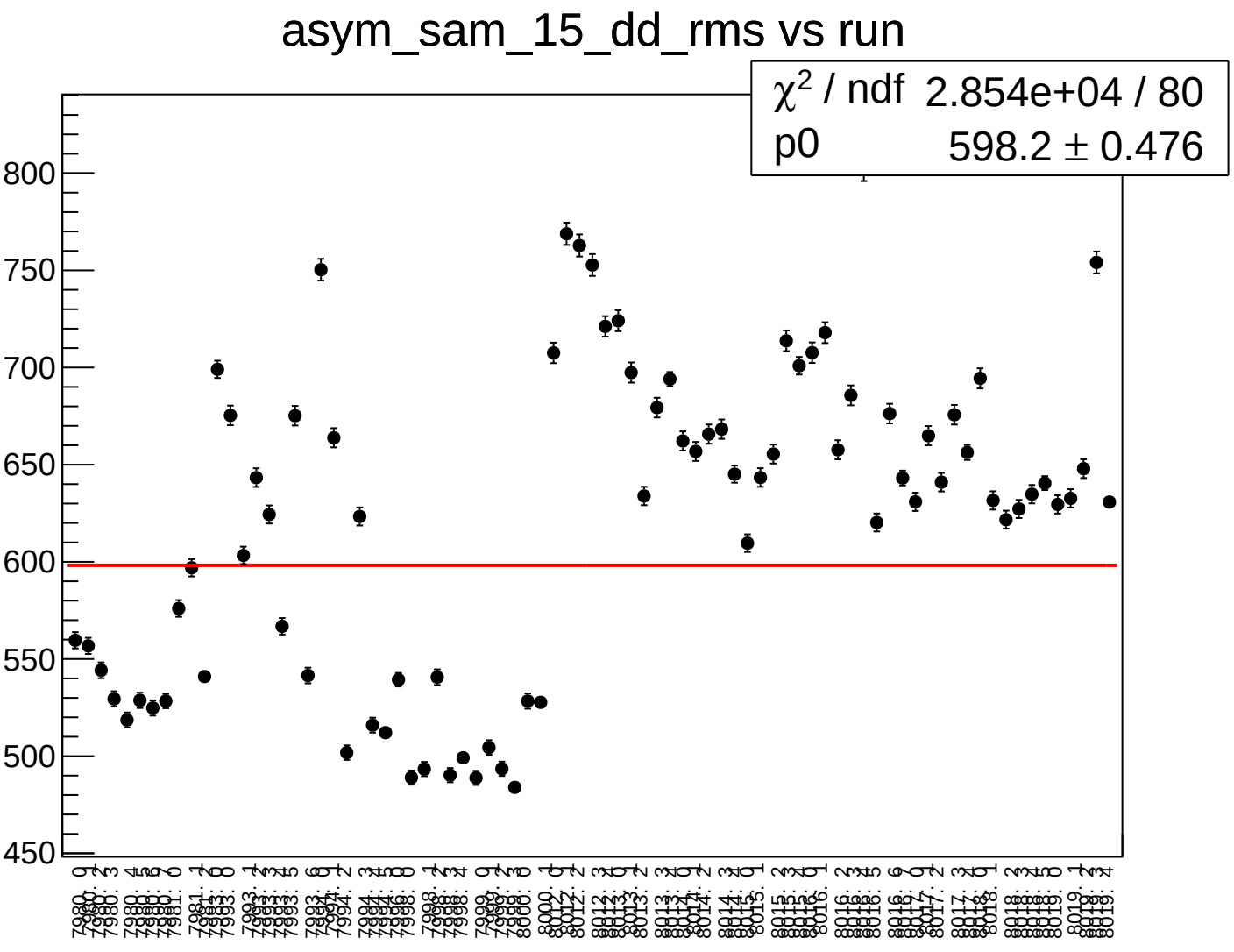

asym_sam_15_dd_correction_mean vs run
χ² / ndf 65.52 / 80
p0 1055 ± 684.3
pull
Entries 81
Mean 58.43
Std Dev 40.15

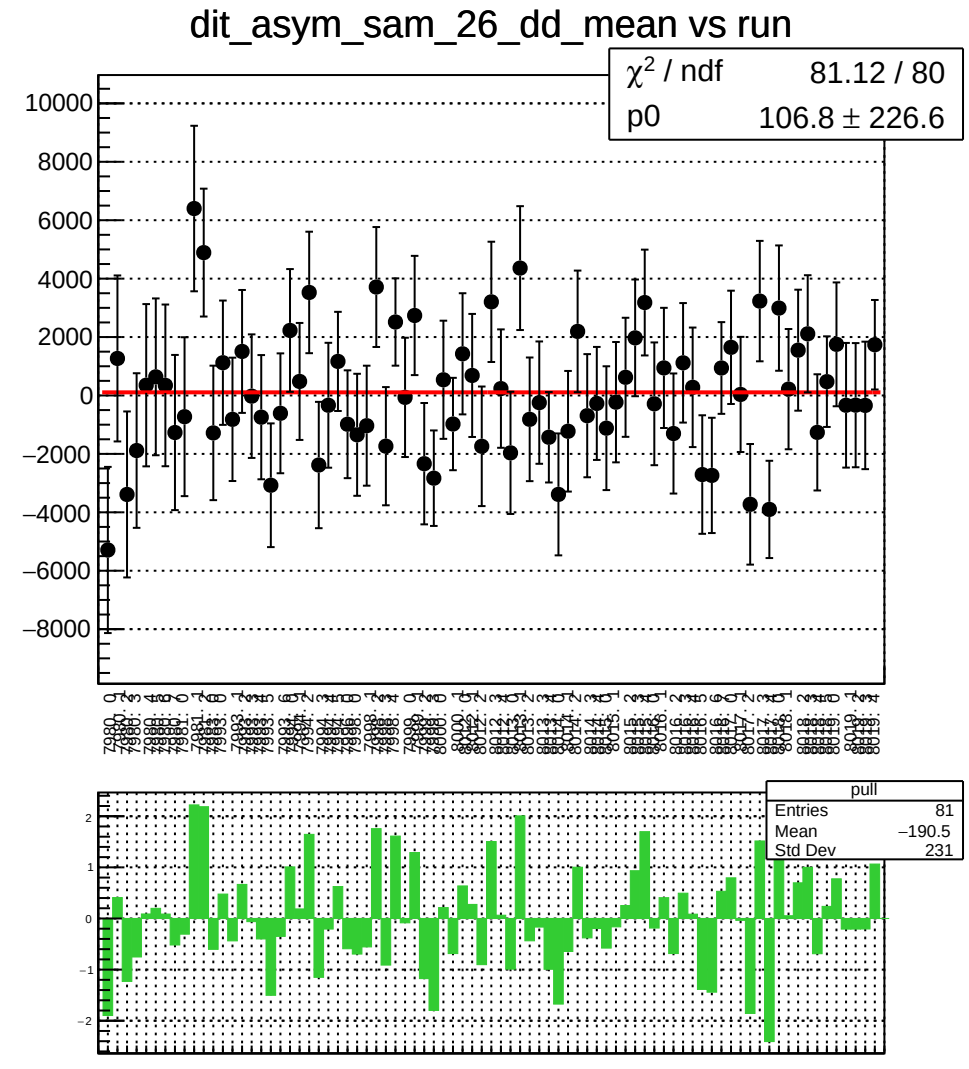

pull1D
Entries 81
Mean 0.02823
Std Dev 0.8989

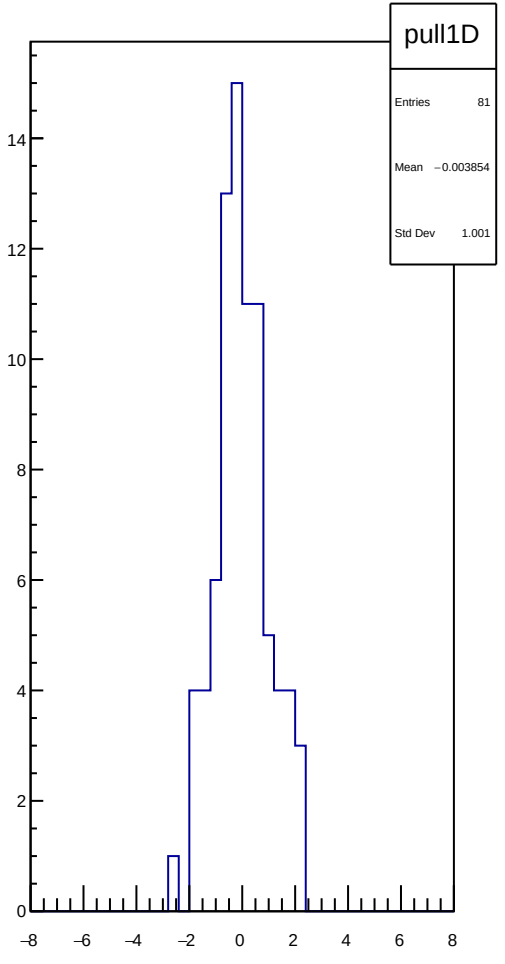

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.64e+04 / 80
p0 608.4 ± 0.4838
800
750
700
650
600
550
500
450

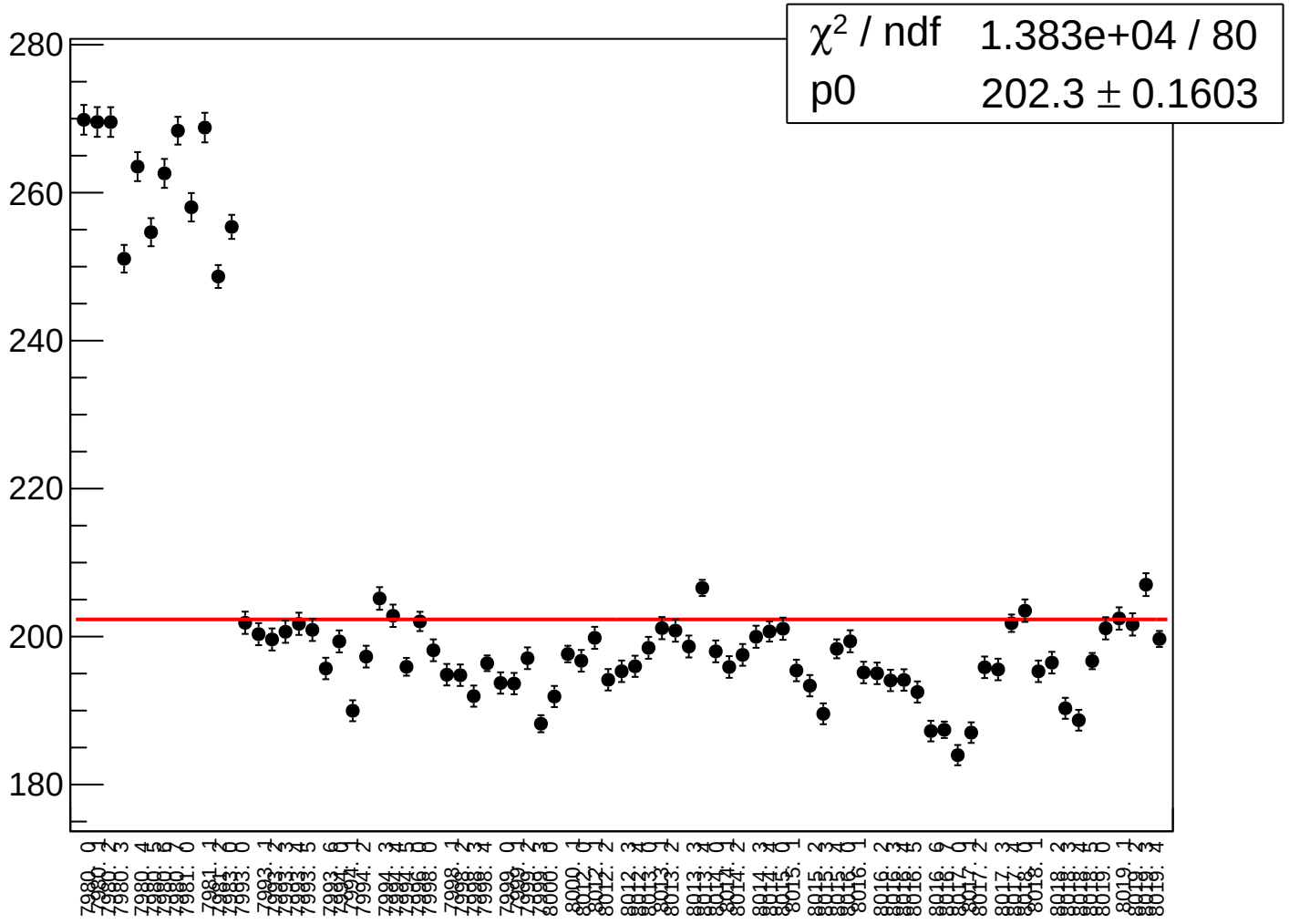

asym_sam_15_dd_mean vs run
χ² / ndf 67.63 / 80
p0 −1364 ± 673.2
pull
Entries 81
Mean 38.38
Std Dev 46.82

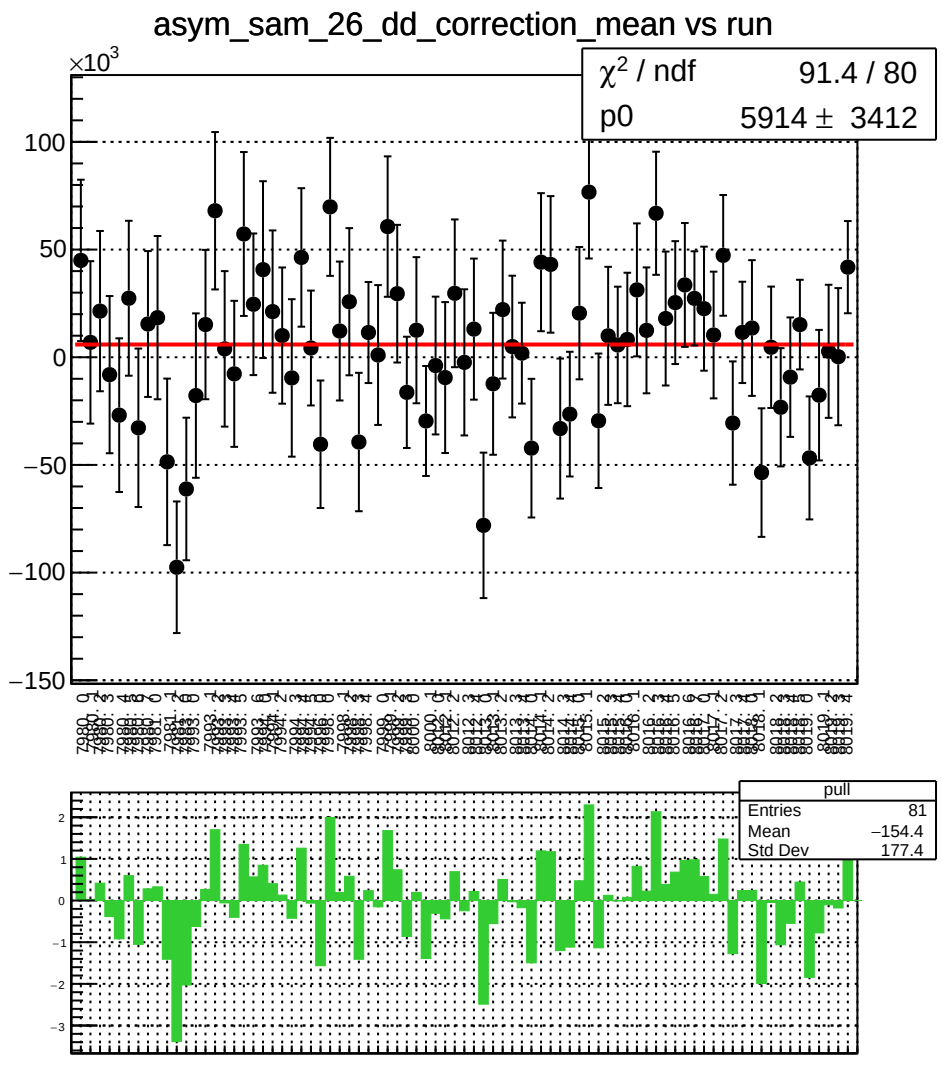

pull1D
Entries 81
Mean −0.02085
Std Dev 0.9135

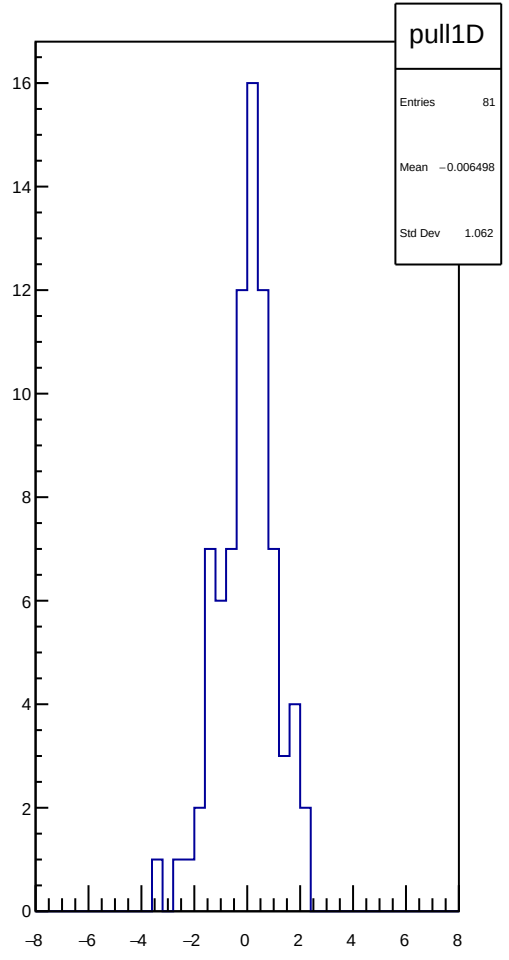

asym_sam_15_dd_rms vs run
χ² / ndf 2.854e+04 / 80
p0 598.2 ± 0.476
800
750
700
650
600
550
500
450

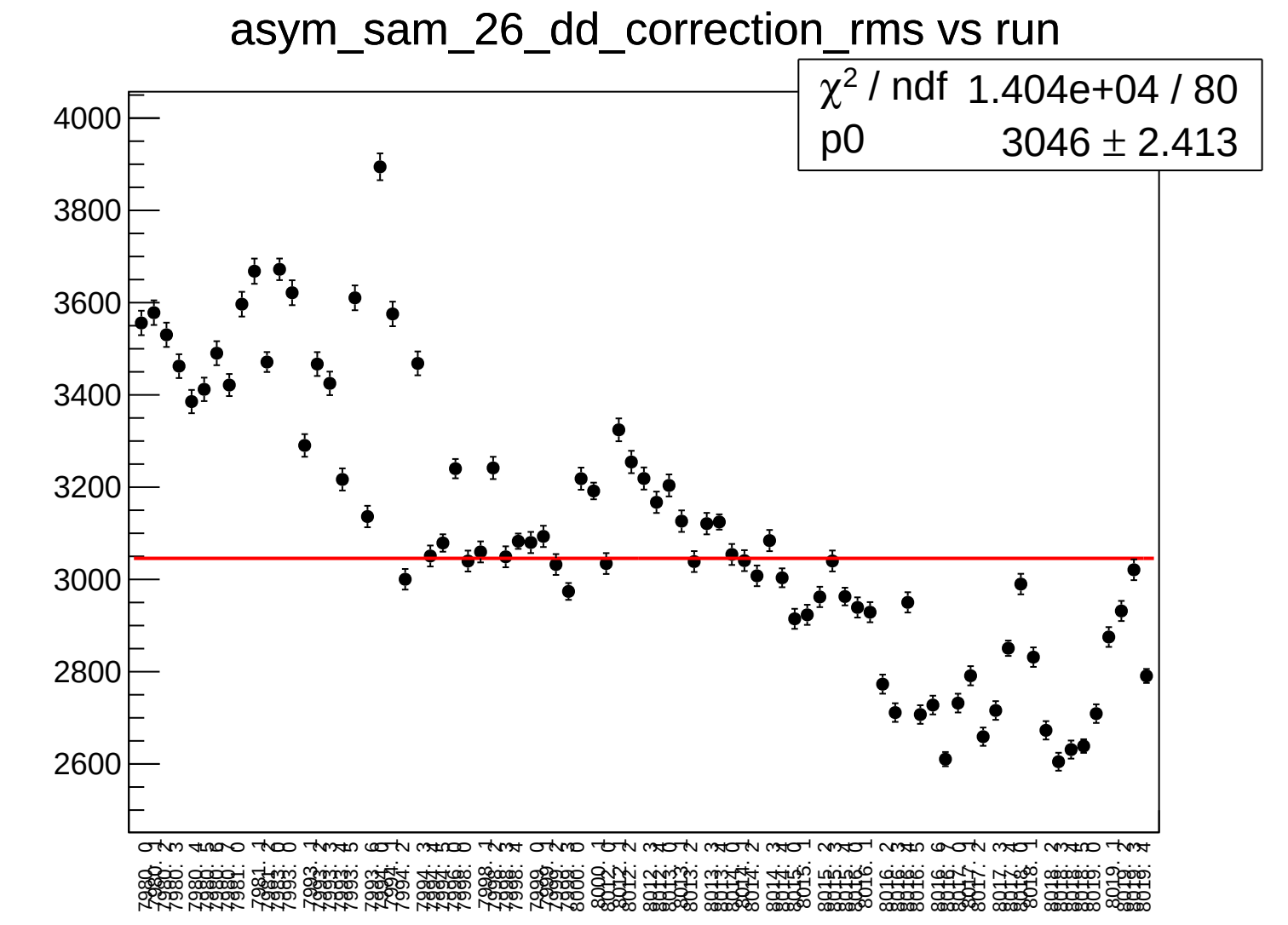

dit_asym_sam_26_dd_mean vs run
χ² / ndf 81.12 / 80
p0 106.8 ± 226.6
pull
Entries 81
Mean −190.5
Std Dev 231

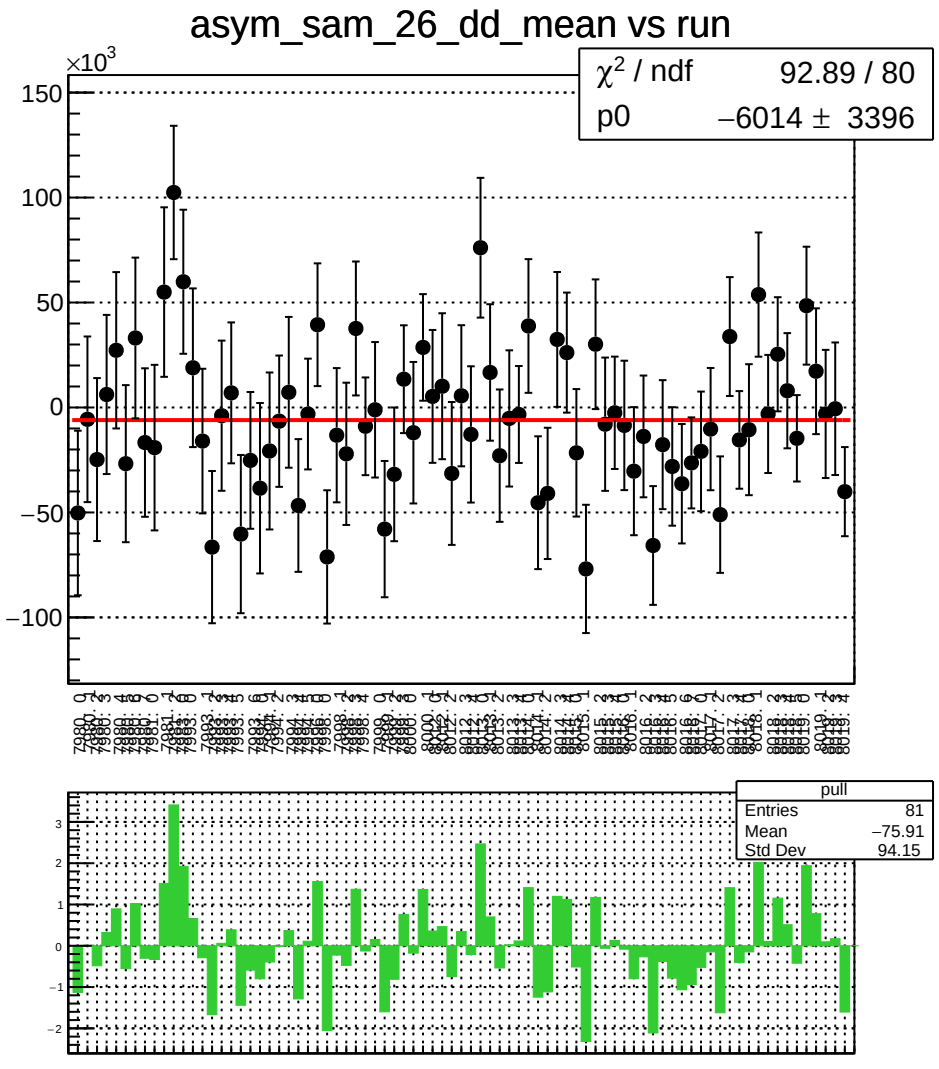

pull1D
Entries 81
Mean −0.003854
Std Dev 1.001

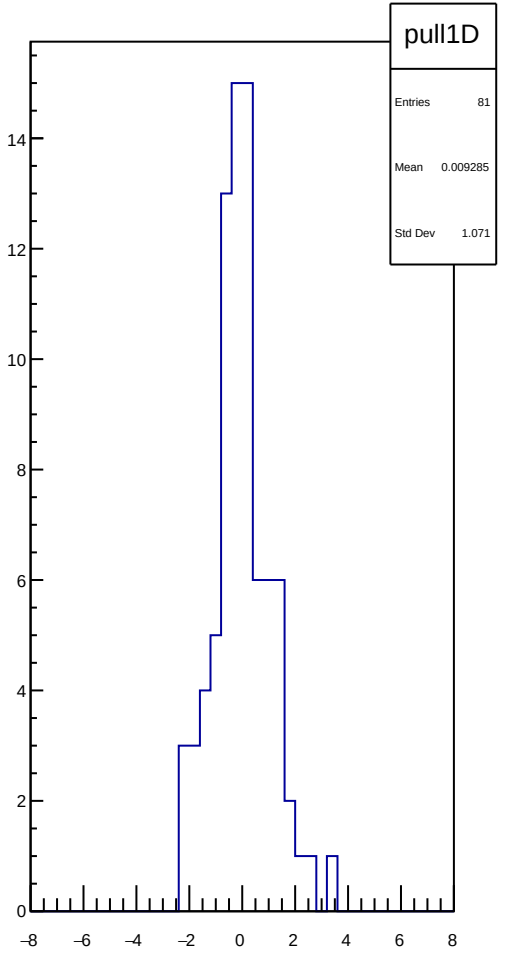

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1.383e+04 / 80
p0 202.3 ± 0.1603
280
260
240
220
200
180

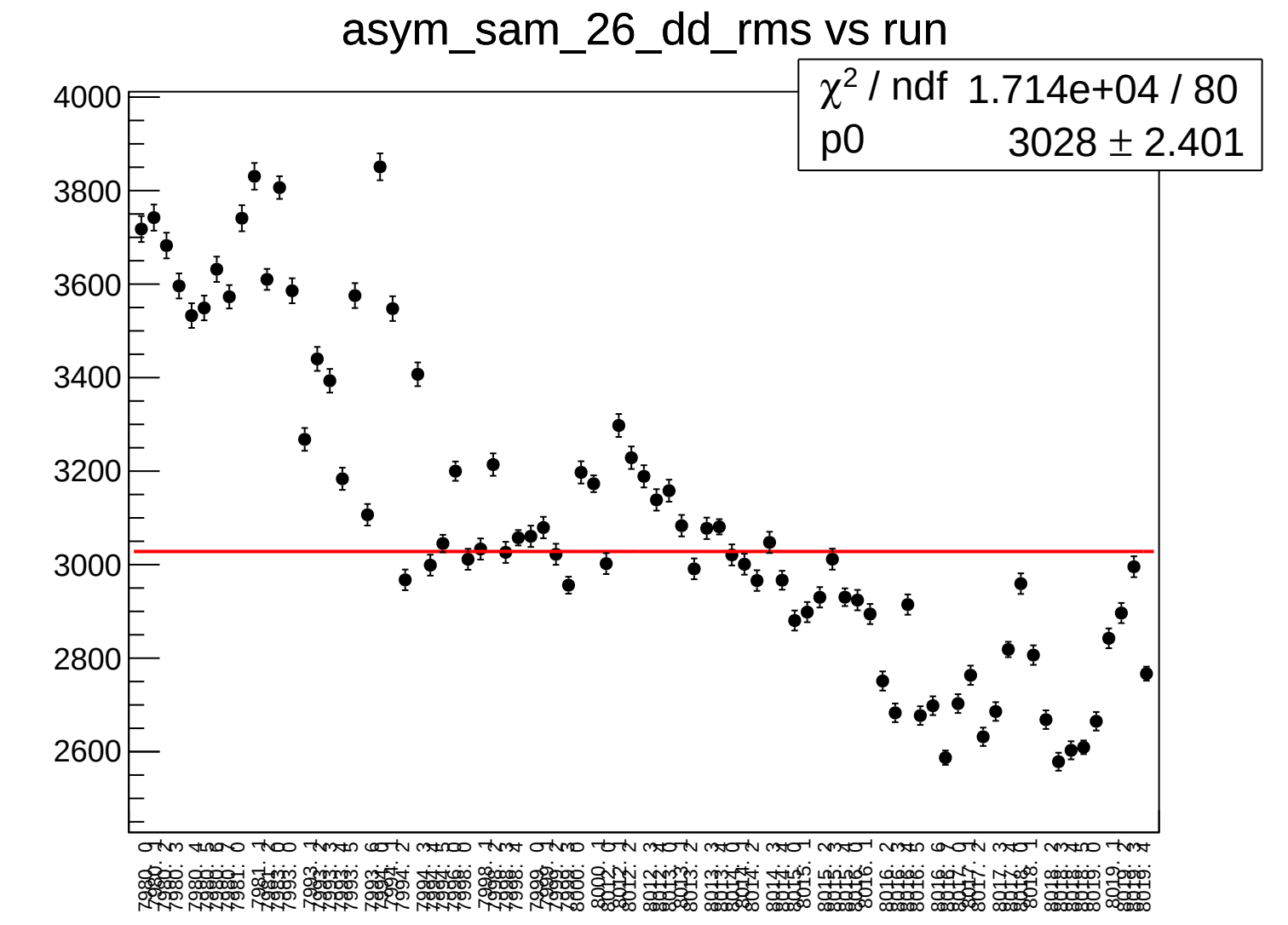

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 91.4 / 80
p0 5914 ± 3412
100
50
0
−50
−100
−150
pull
Entries 81
Mean −154.4
Std Dev 177.4
2
1
0
−1
−2
−3

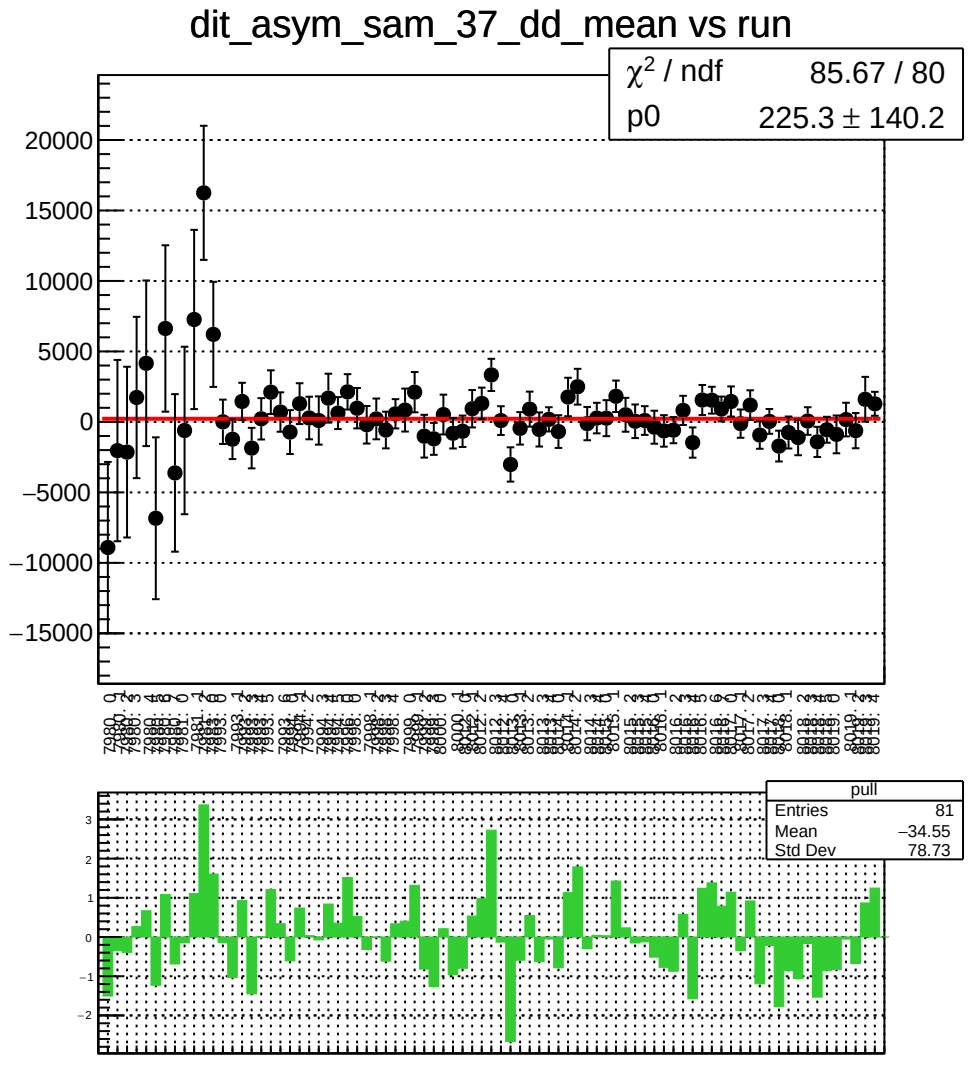

pull1D
Entries 81
Mean −0.006498
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

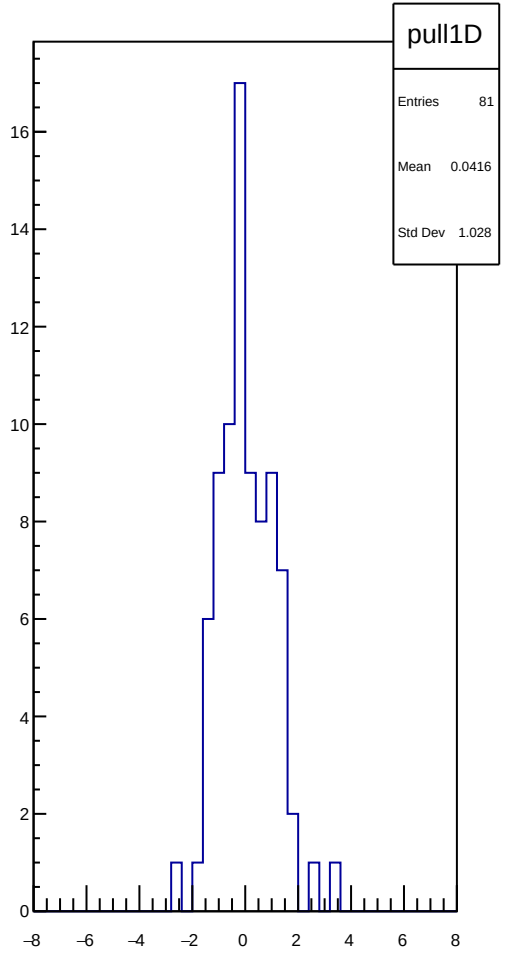

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.404e+04 / 80
p0 3046 ± 2.413
4000
3800
3600
3400
3200
3000
2800
2600

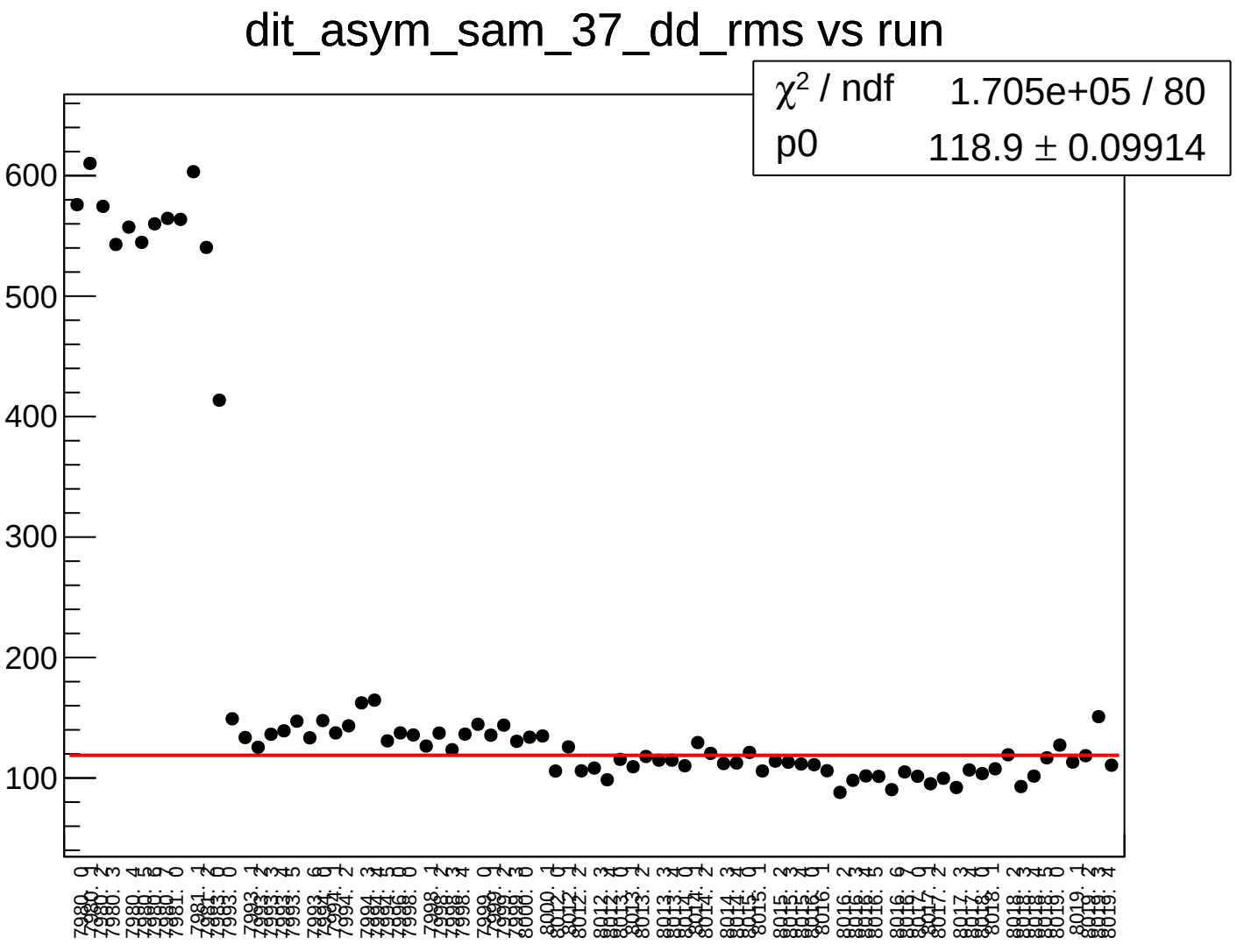

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 92.89 / 80
p0 −6014 ± 3396
150
100
50
0
−50
−100
pull
Entries 81
Mean −75.91
Std Dev 94.15
3
2
1
0
−1
−2

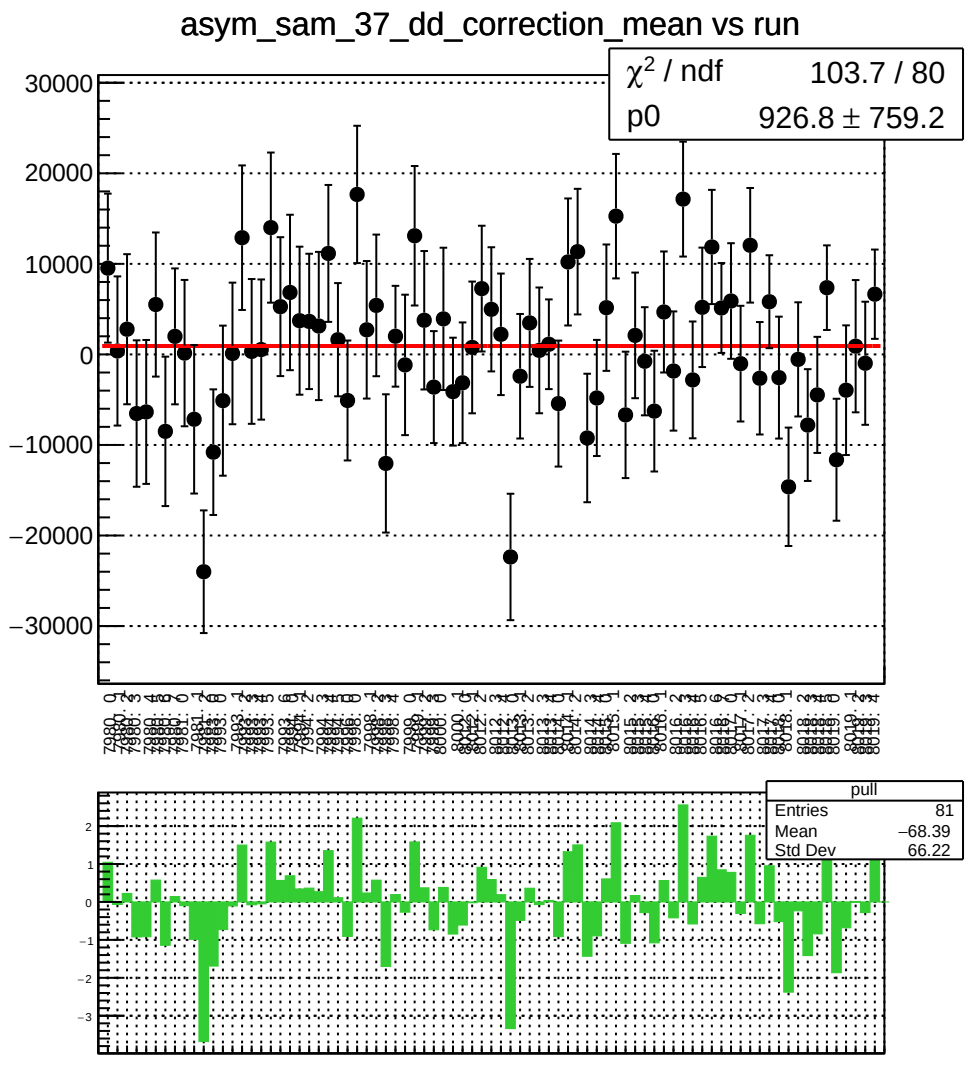

pull1D
Entries 81
Mean 0.009285
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

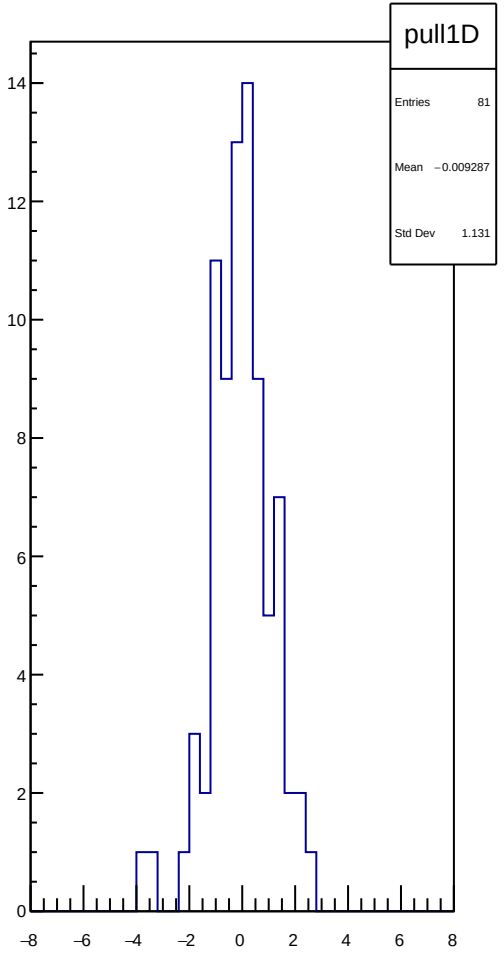

asym_sam_26_dd_rms vs run
χ² / ndf 1.714e+04 / 80
p0 3028 ± 2.401
4000
3800
3600
3400
3200
3000
2800
2600

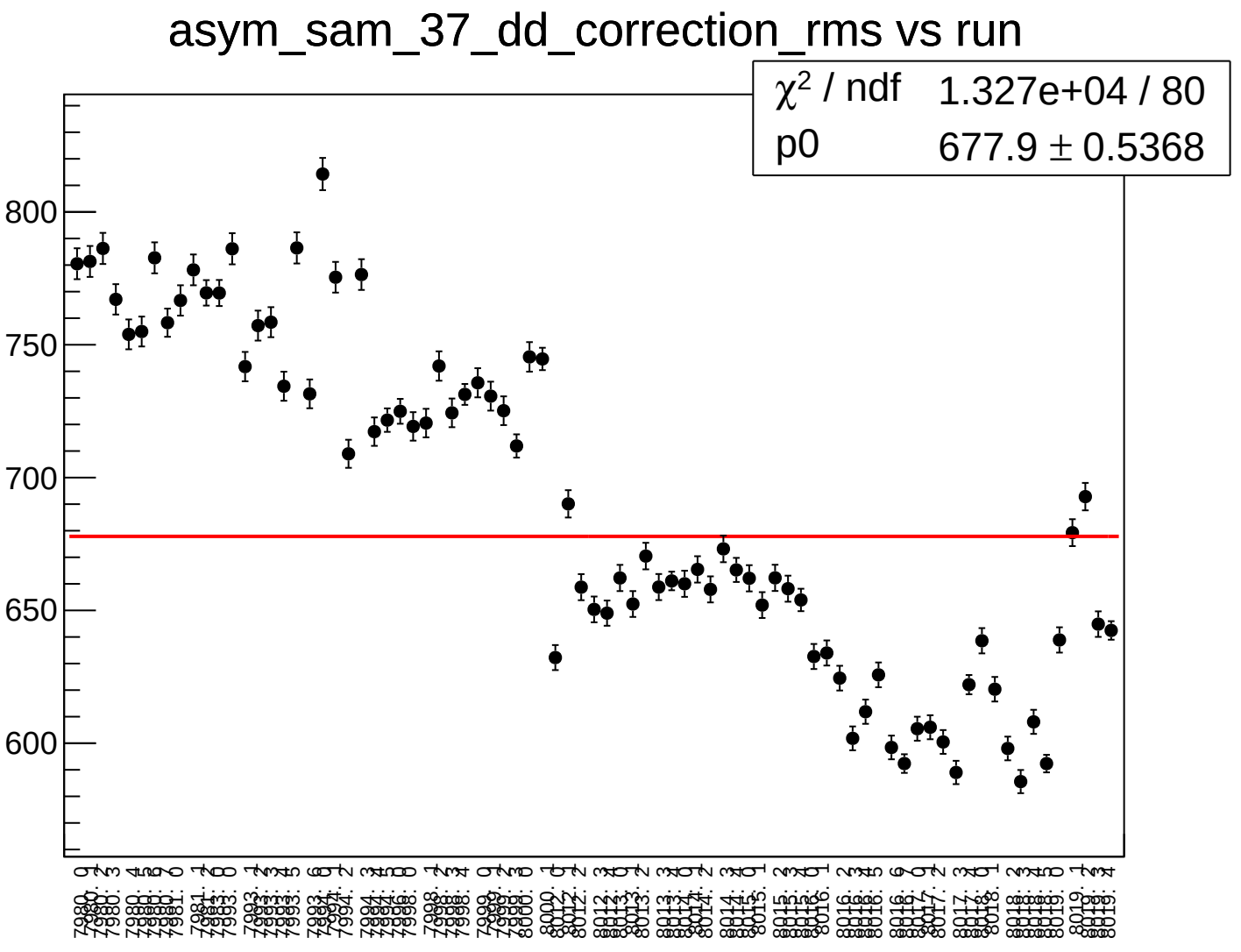

dit_asym_sam_37_dd_mean vs run
χ² / ndf 85.67 / 80
p0 225.3 ± 140.2
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −34.55
Std Dev 78.73
3
2
1
0
−1
−2

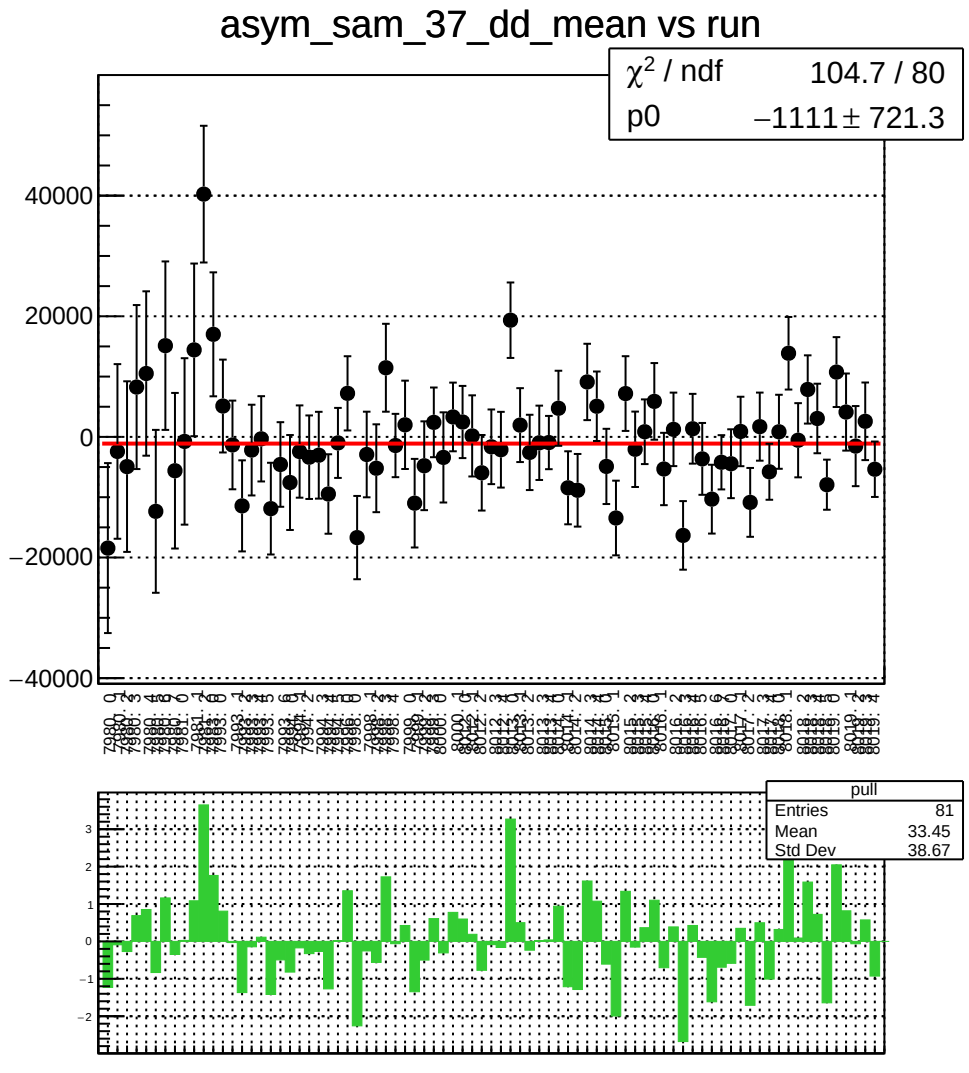

pull1D
Entries 81
Mean 0.0416
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

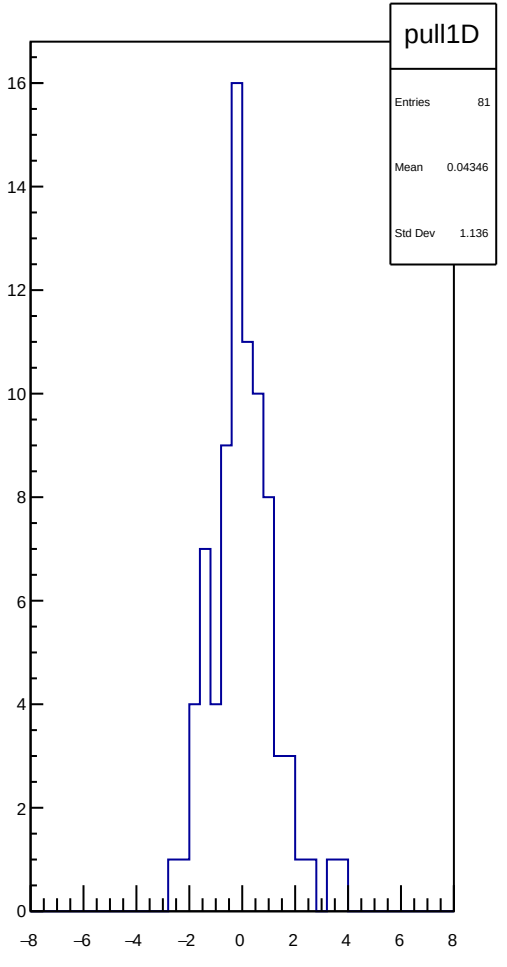

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 1.705e+05 / 80
p0 118.9 ± 0.09914
600
500
400
300
200
100

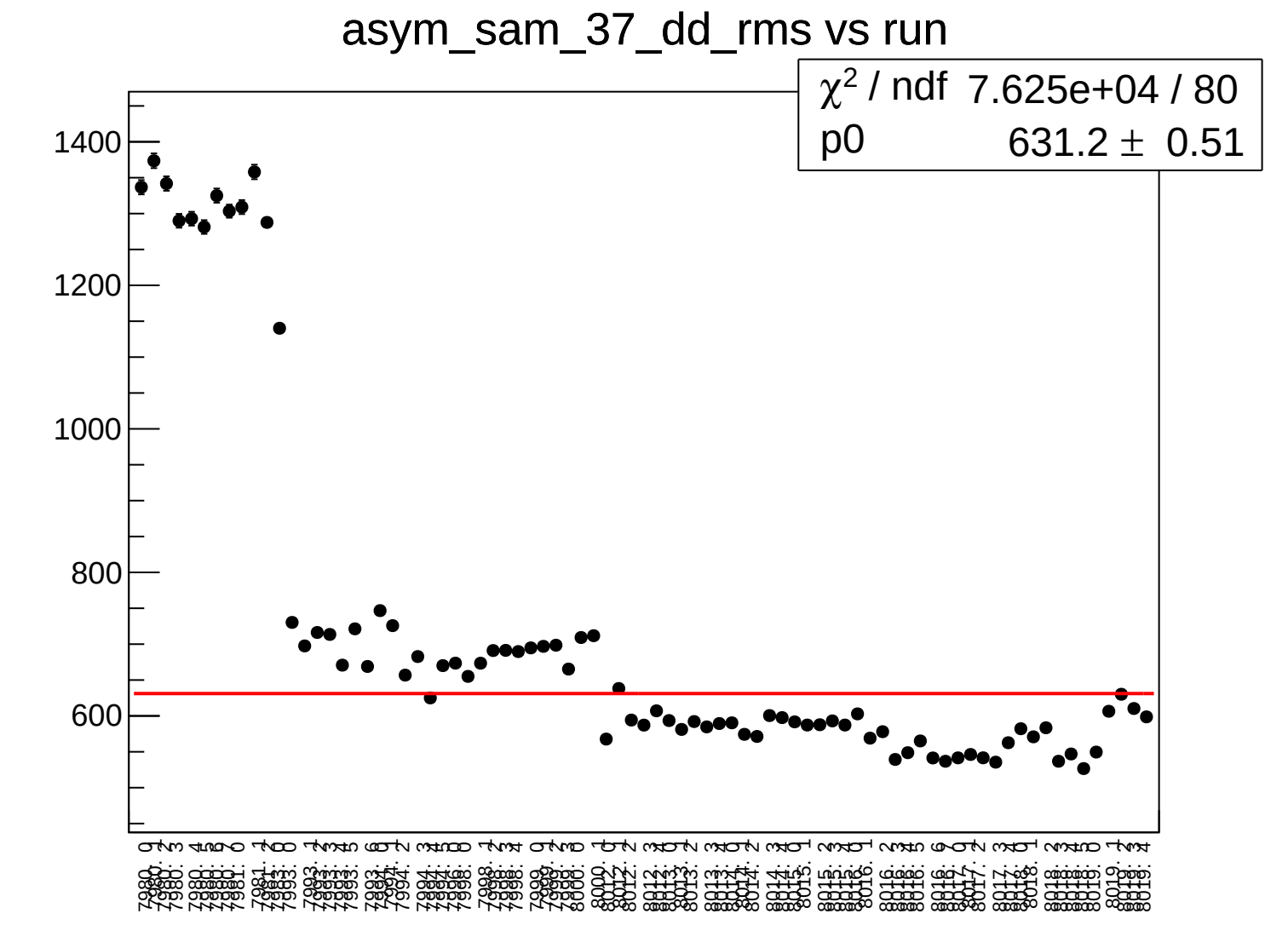

asym_sam_37_dd_correction_mean vs run
χ² / ndf 103.7 / 80
p0 926.8 ± 759.2
pull
Entries 81
Mean −68.39
Std Dev 66.22

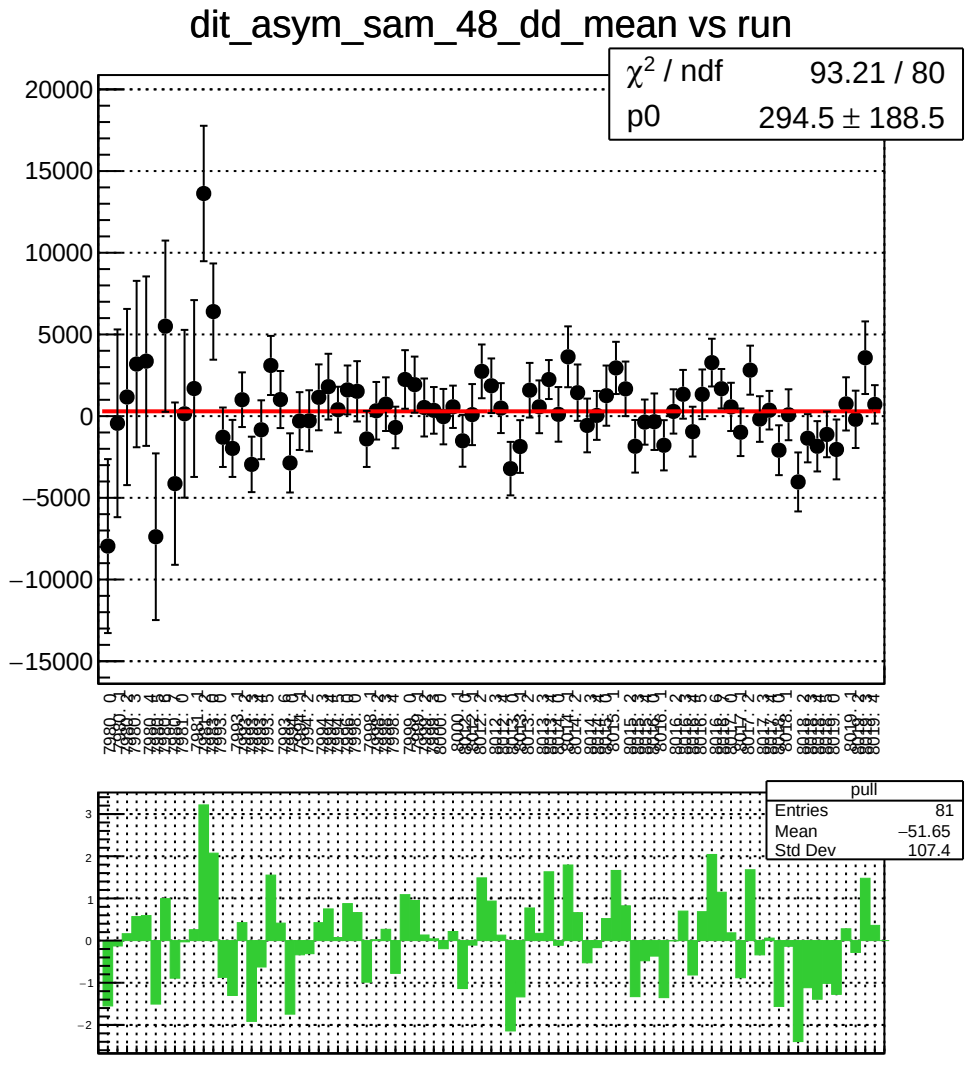

pull1D
Entries 81
Mean −0.009287
Std Dev 1.131

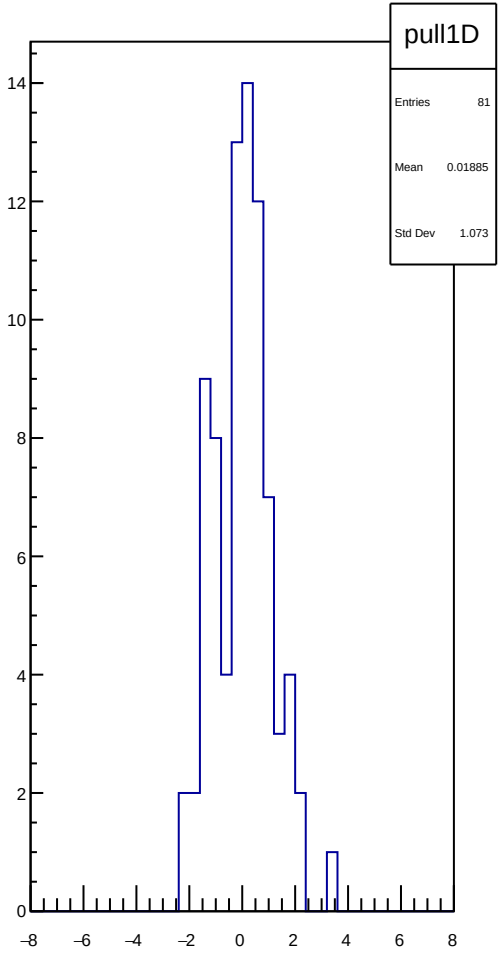

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.327e+04 / 80
p0 677.9 ± 0.5368
800
750
700
650
600

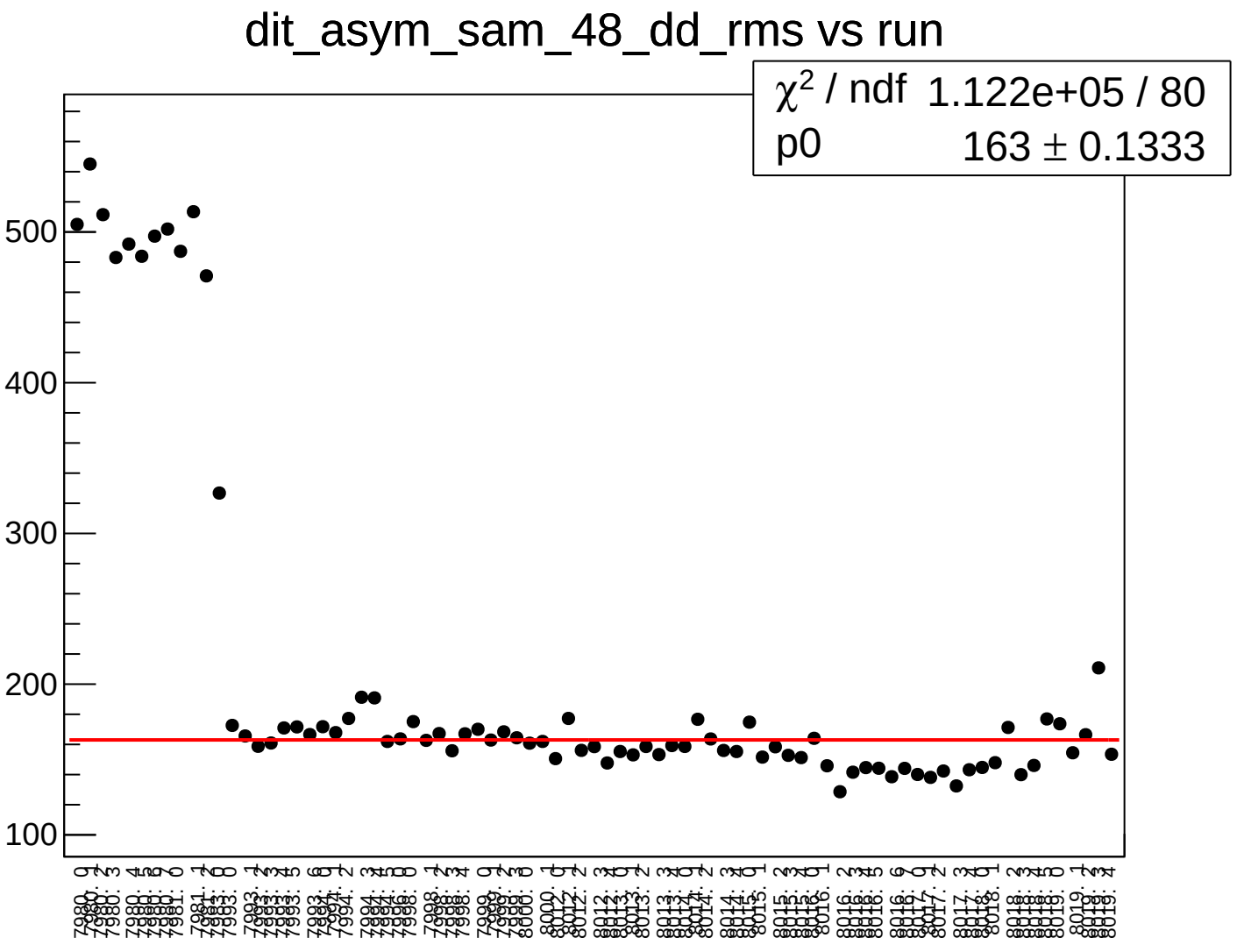

asym_sam_37_dd_mean vs run
χ² / ndf 104.7 / 80
p0 −1111 ± 721.3
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 33.45
Std Dev 38.67
3
2
1
0
−1
−2

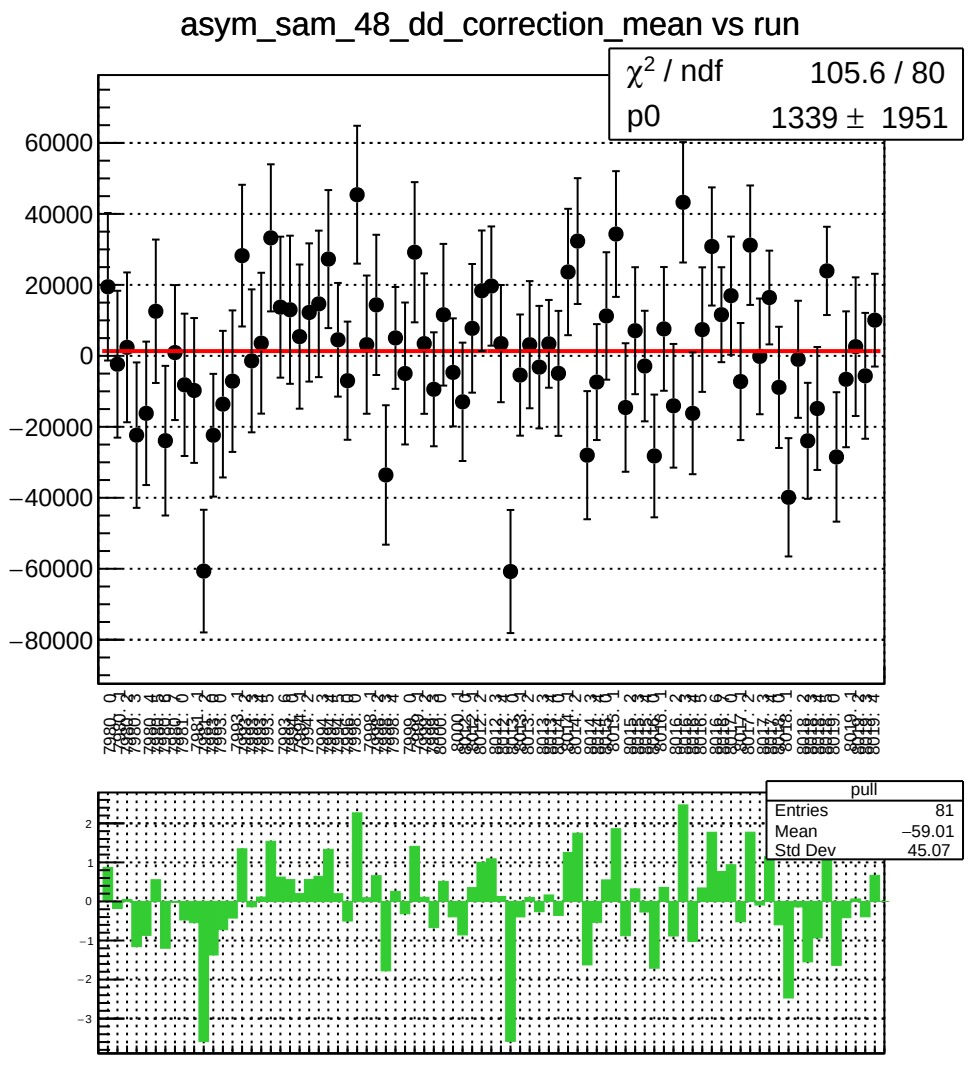

pull1D
Entries 81
Mean 0.04346
Std Dev 1.136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

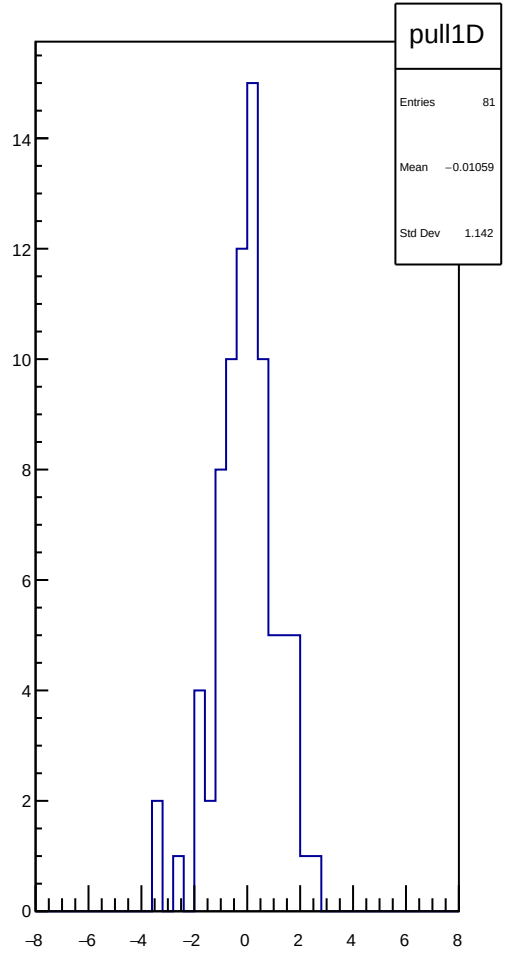

asym_sam_37_dd_rms vs run
χ² / ndf 7.625e+04 / 80
p0 631.2 ± 0.51
1400
1200
1000
800
600

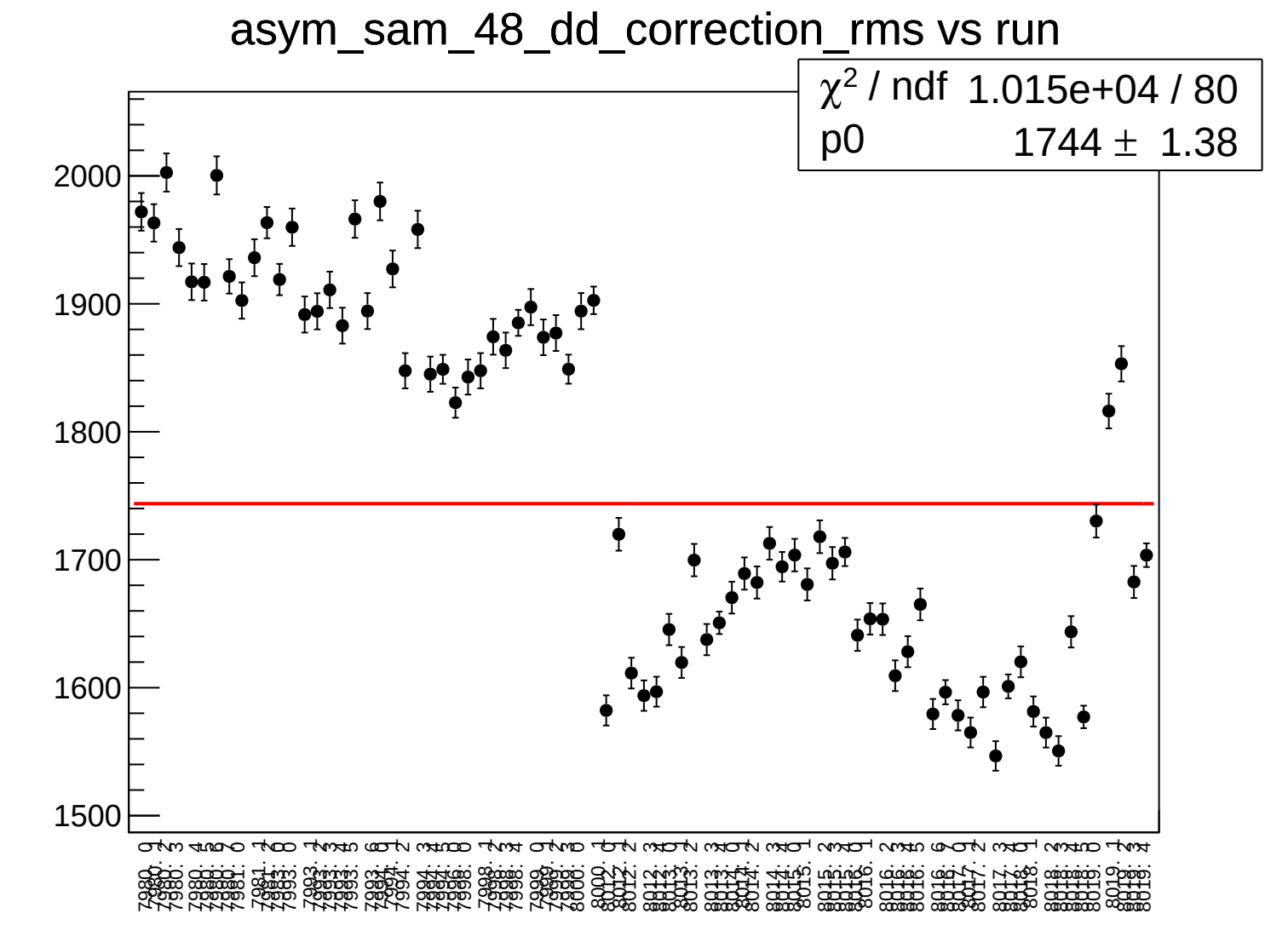

dit_asym_sam_48_dd_mean vs run
χ² / ndf 93.21 / 80
p0 294.5 ± 188.5
pull
Entries 81
Mean −51.65
Std Dev 107.4

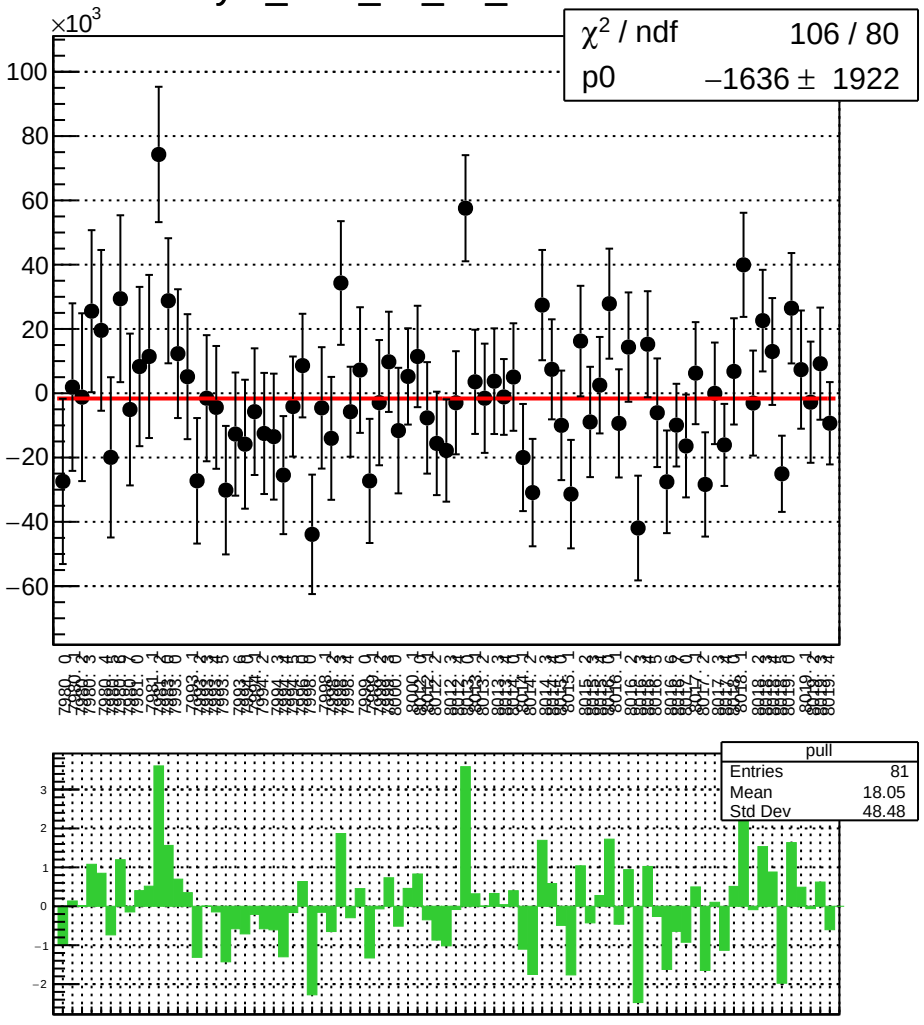

pull1D
Entries 81
Mean 0.01885
Std Dev 1.073

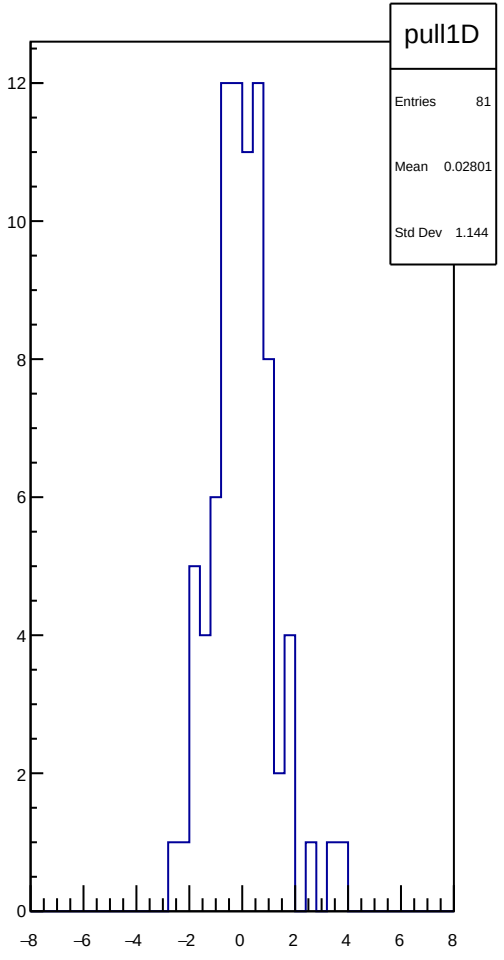

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.122e+05 / 80
p0 163 ± 0.1333
500
400
300
200
100

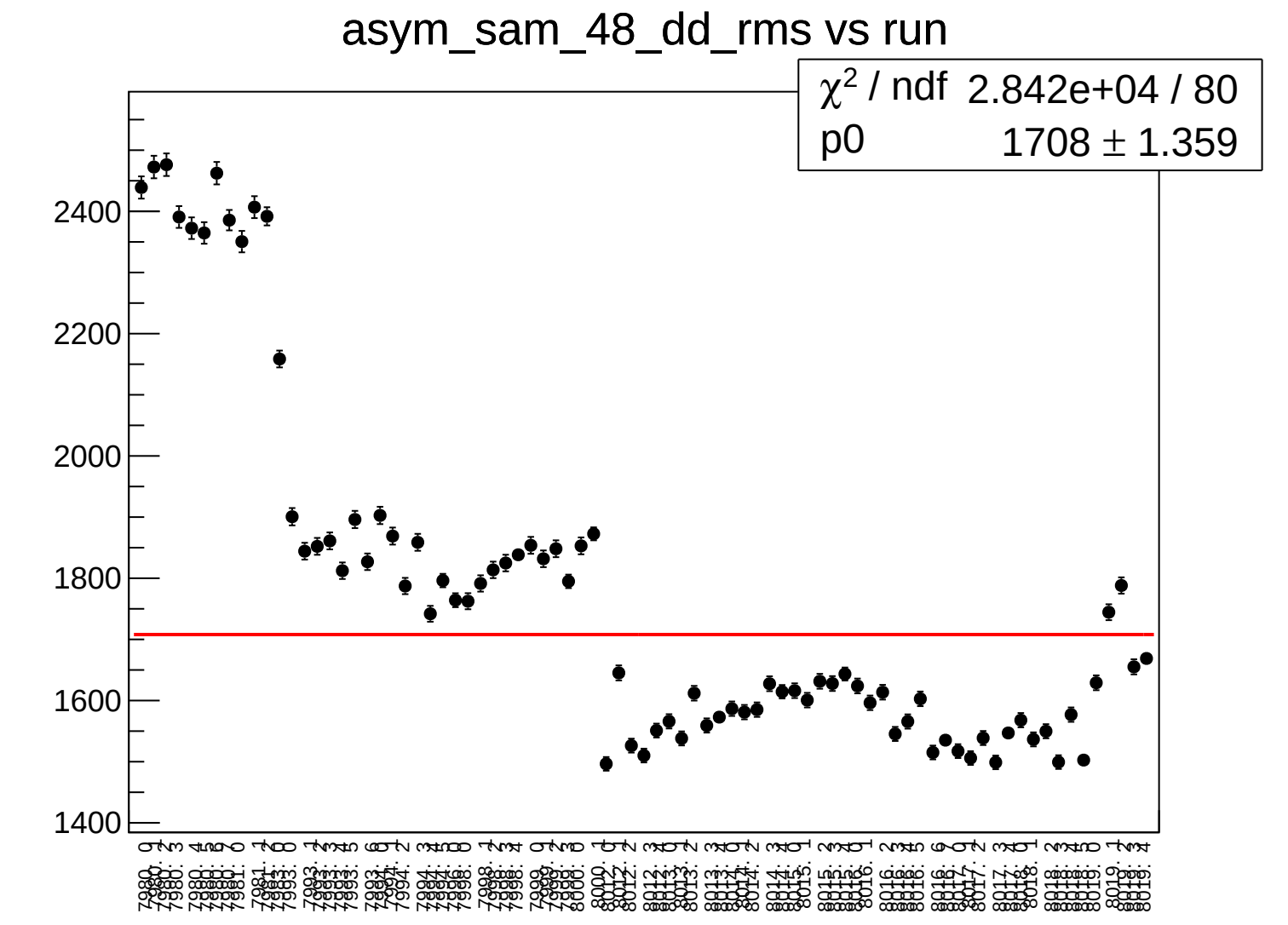

asym_sam_48_dd_correction_mean vs run
χ² / ndf 105.6 / 80
p0 1339 ± 1951
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −59.01
Std Dev 45.07
2
1
0
−1
−2
−3

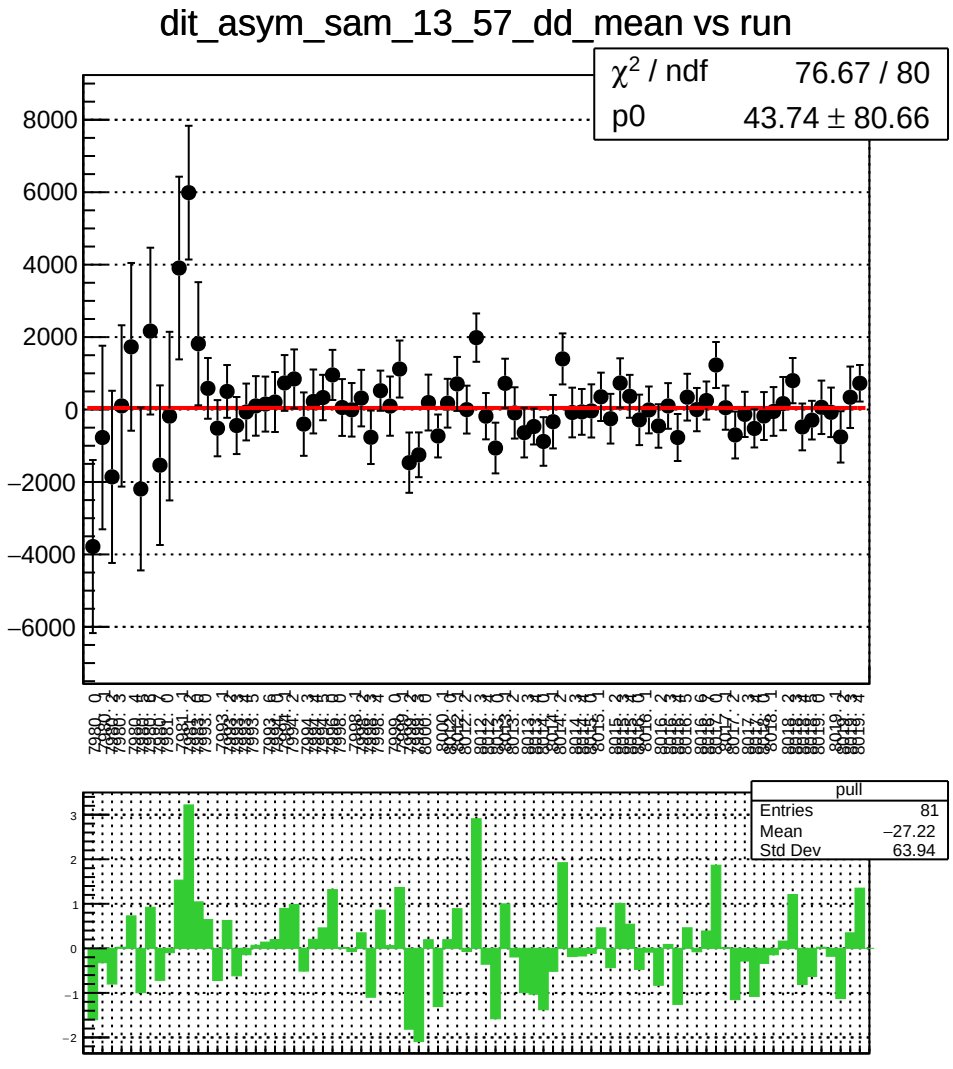

pull1D
Entries 81
Mean −0.01059
Std Dev 1.142
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

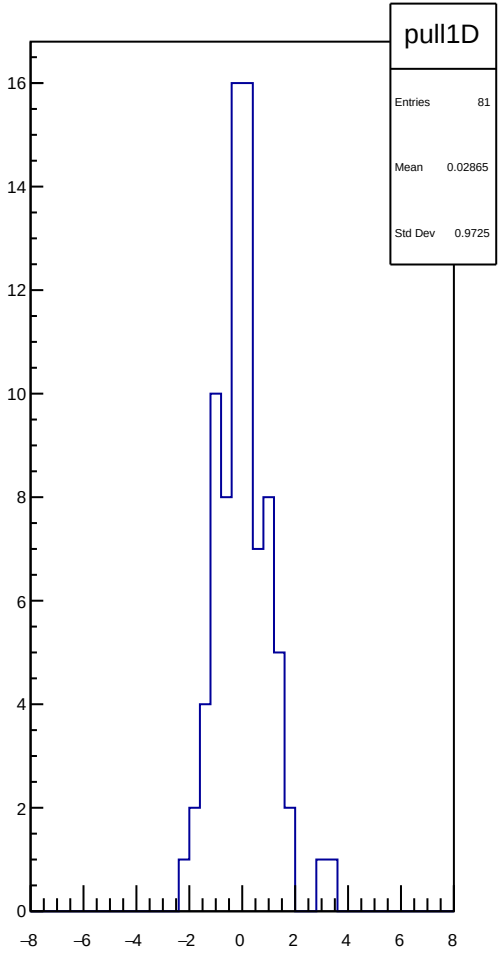

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.015e+04 / 80
p0 1744 ± 1.38
2000
1900
1800
1700
1600
1500

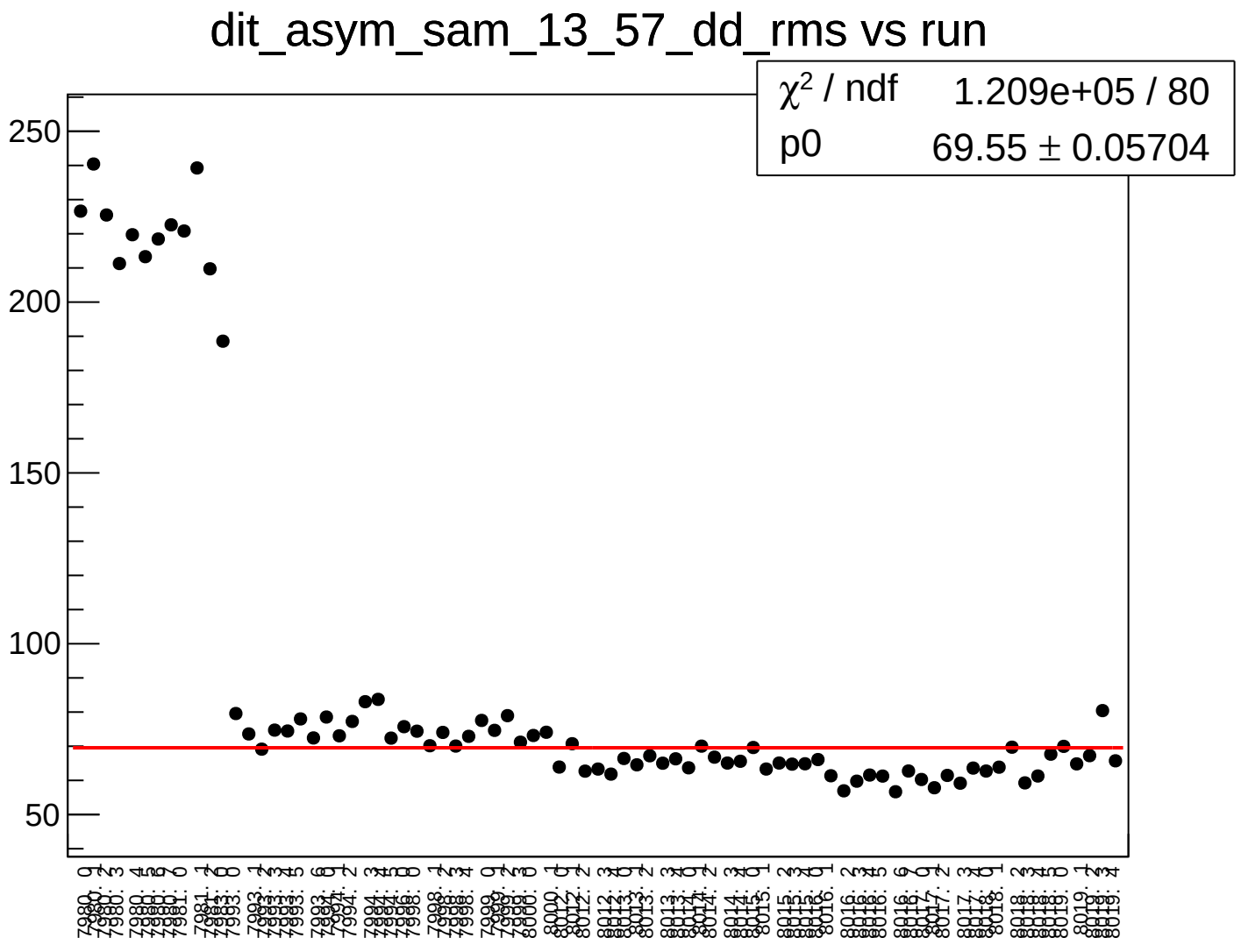

asym_sam_48_dd_mean vs run
χ² / ndf 106 / 80
p0 −1636 ± 1922
×10³
pull
Entries 81
Mean 18.05
Std Dev 48.48

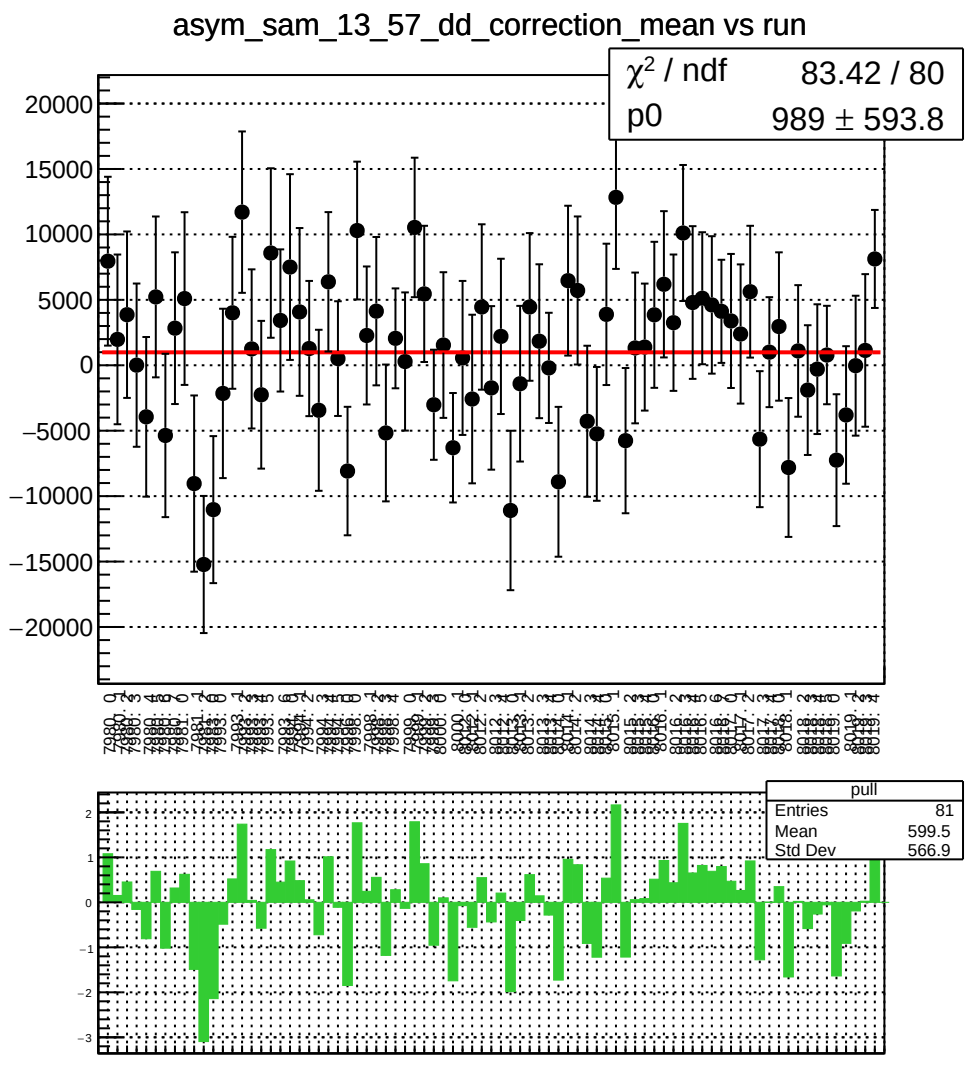

pull1D
Entries 81
Mean 0.02801
Std Dev 1.144

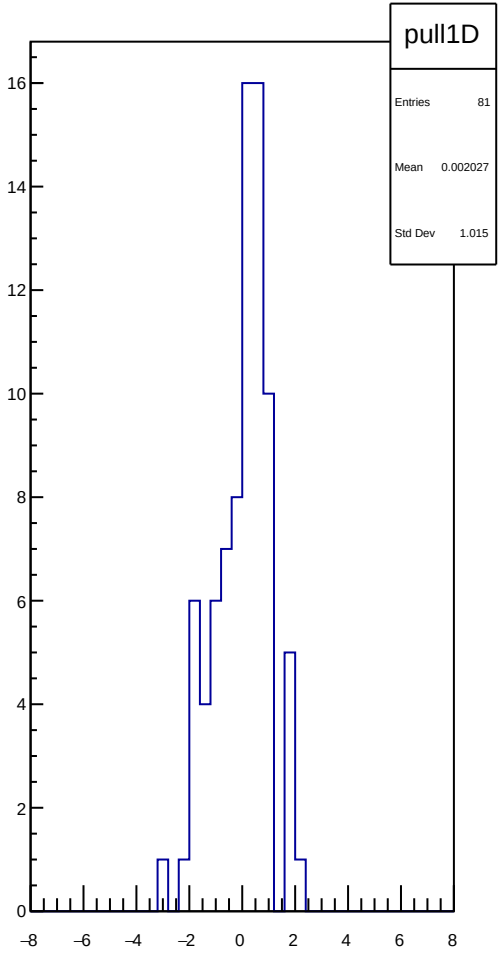

asym_sam_48_dd_rms vs run
χ² / ndf 2.842e+04 / 80
p0 1708 ± 1.359
2400
2200
2000
1800
1600
1400

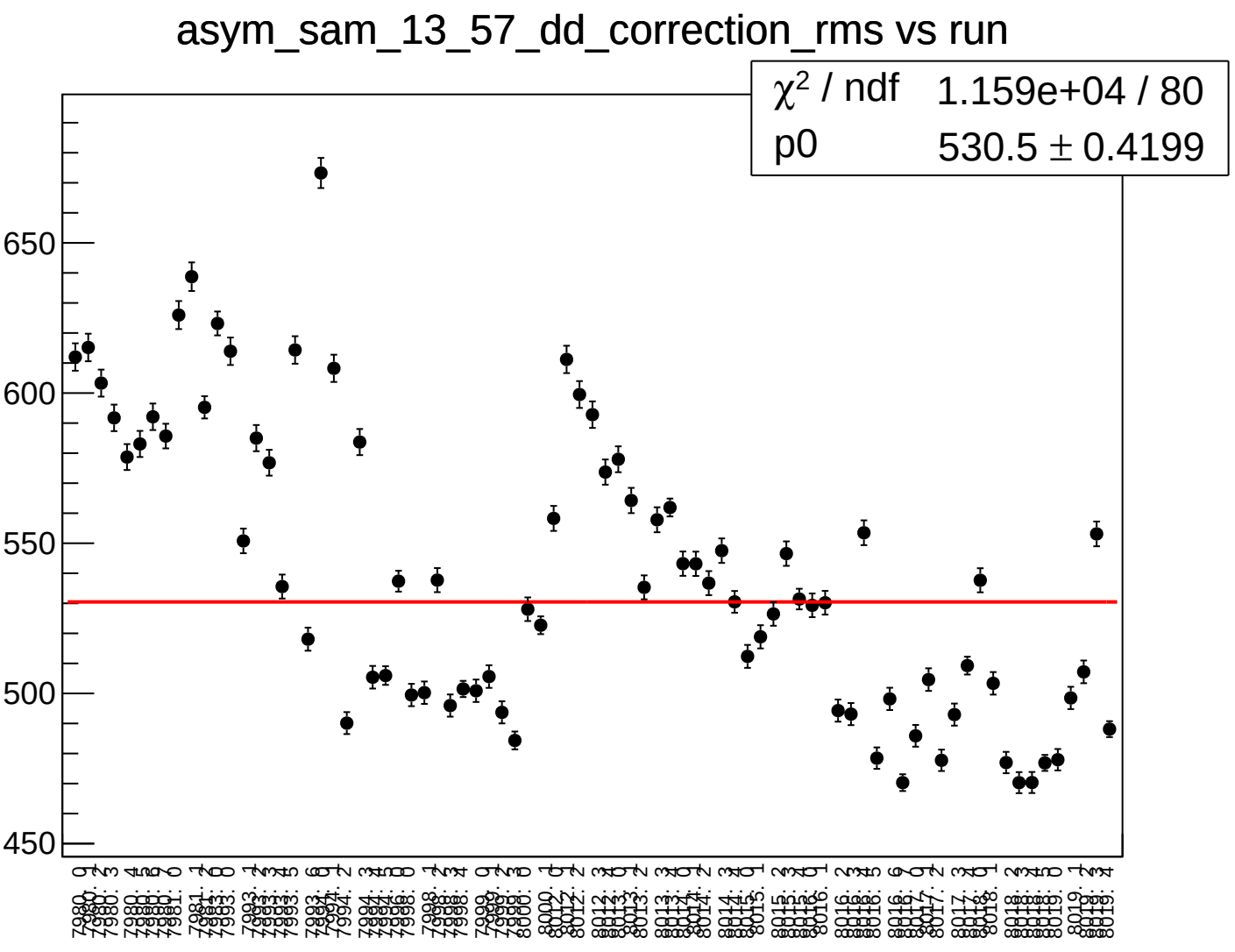

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 76.67 / 80
p0 43.74 ± 80.66
pull
Entries 81
Mean −27.22
Std Dev 63.94

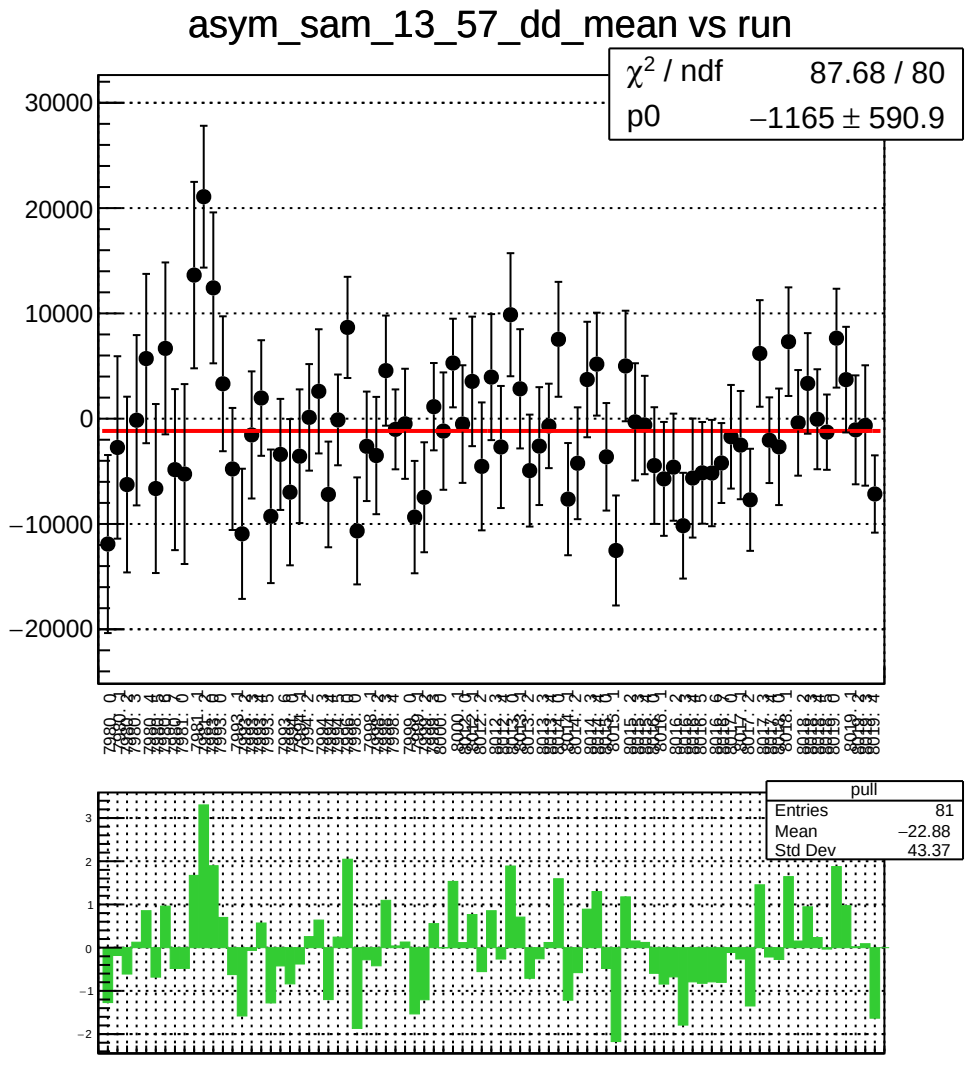

pull1D
Entries 81
Mean 0.02865
Std Dev 0.9725

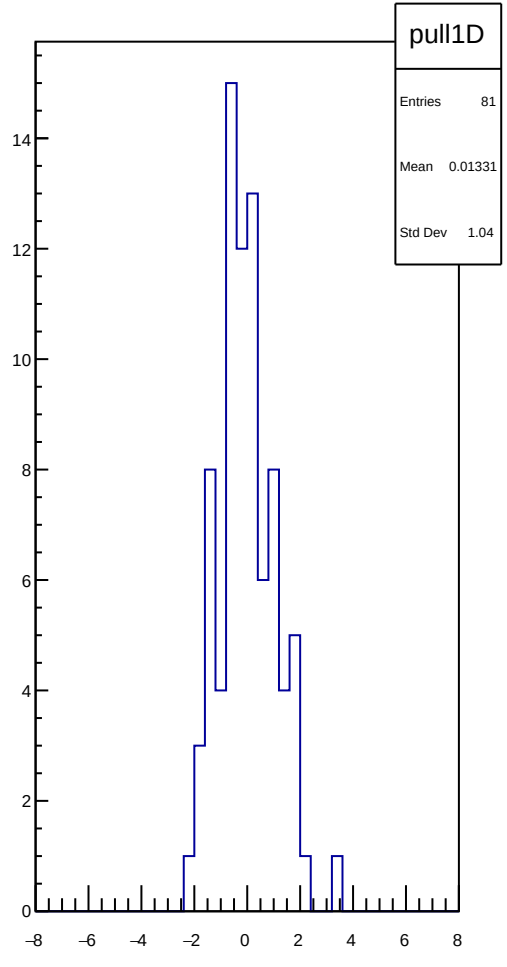

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1.209e+05 / 80
p0 69.55 ± 0.05704
250
200
150
100
50

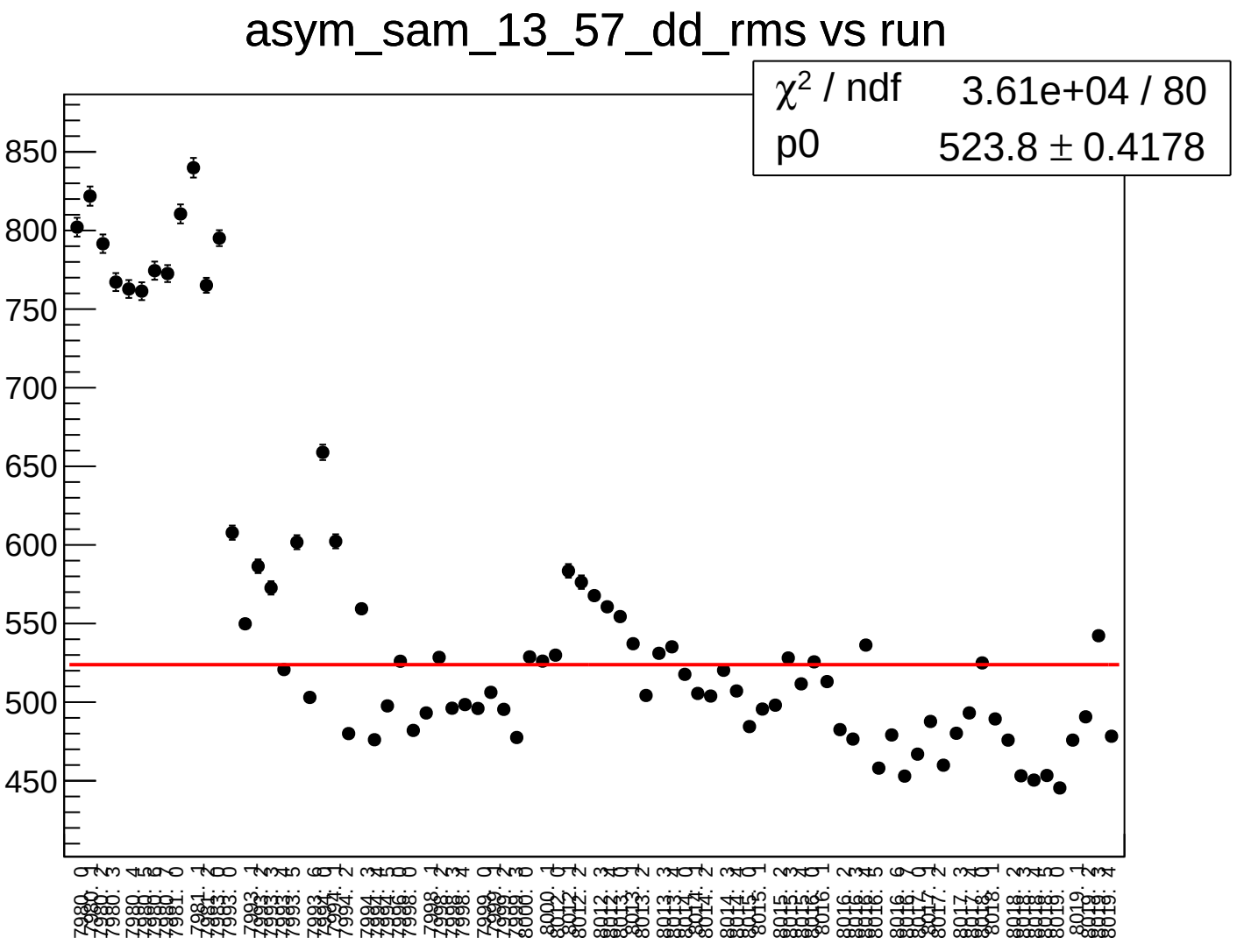

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 83.42 / 80
p0 989 ± 593.8
pull
Entries 81
Mean 599.5
Std Dev 566.9

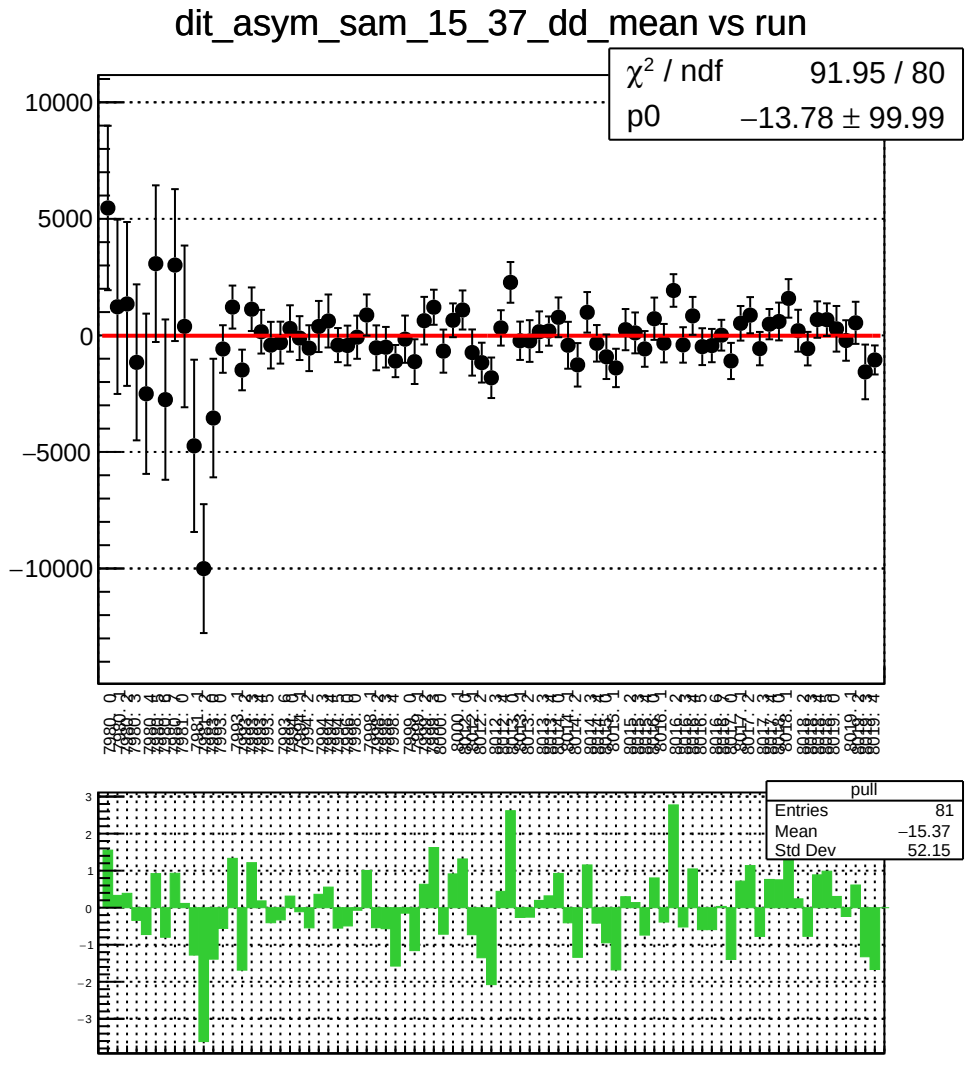

pull1D
Entries 81
Mean 0.002027
Std Dev 1.015

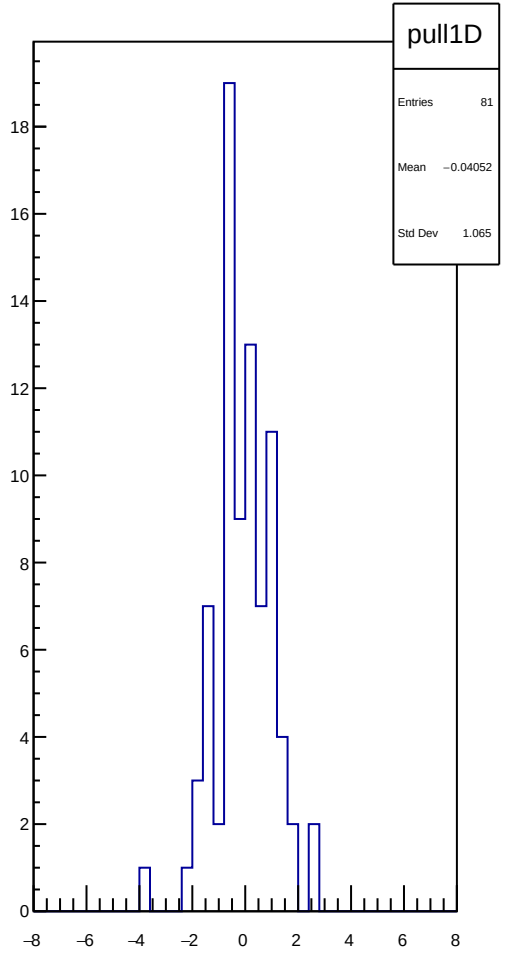

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.159e+04 / 80
p0 530.5 ± 0.4199
650
600
550
500
450

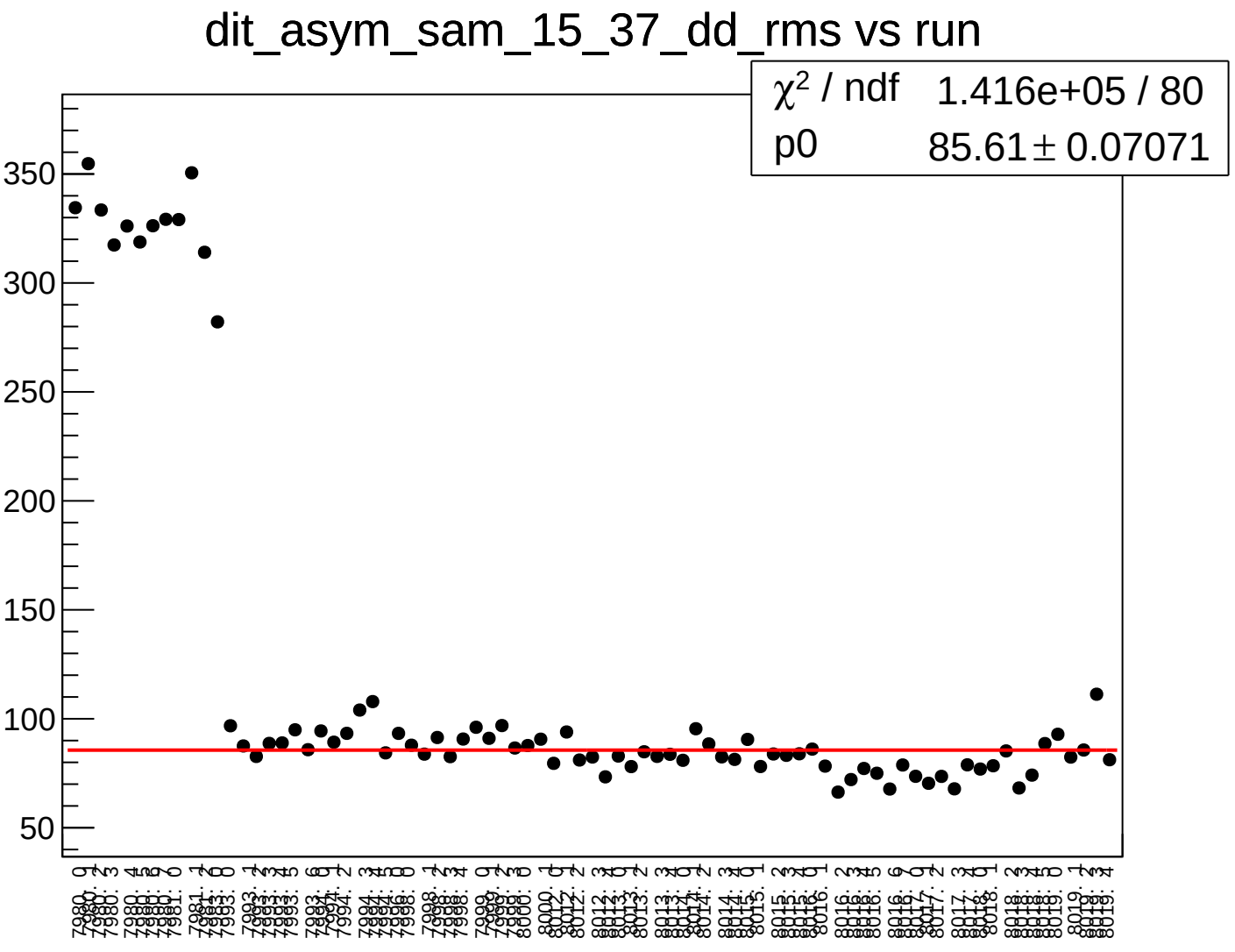

asym_sam_13_57_dd_mean vs run
χ² / ndf 87.68 / 80
p0 −1165 ± 590.9
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −22.88
Std Dev 43.37
3
2
1
0
−1
−2

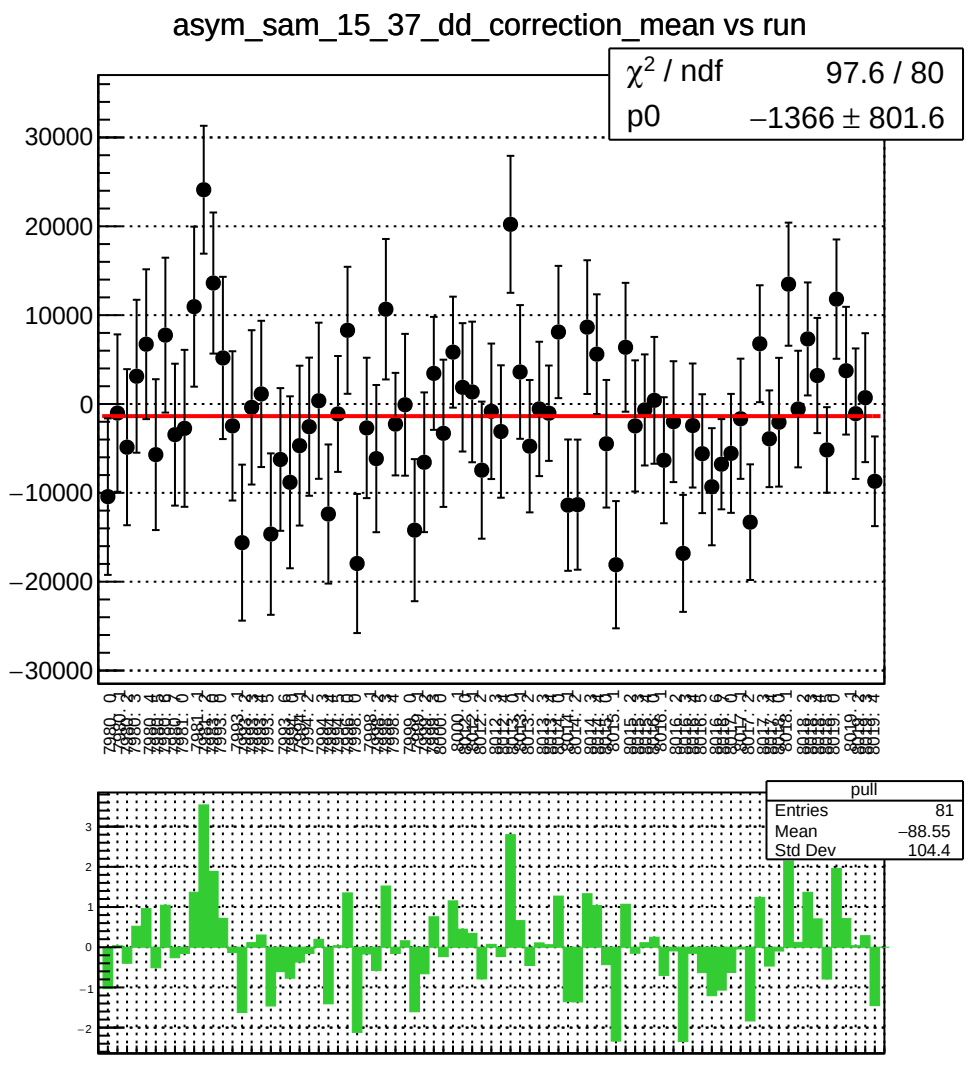

pull1D
Entries 81
Mean 0.01331
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

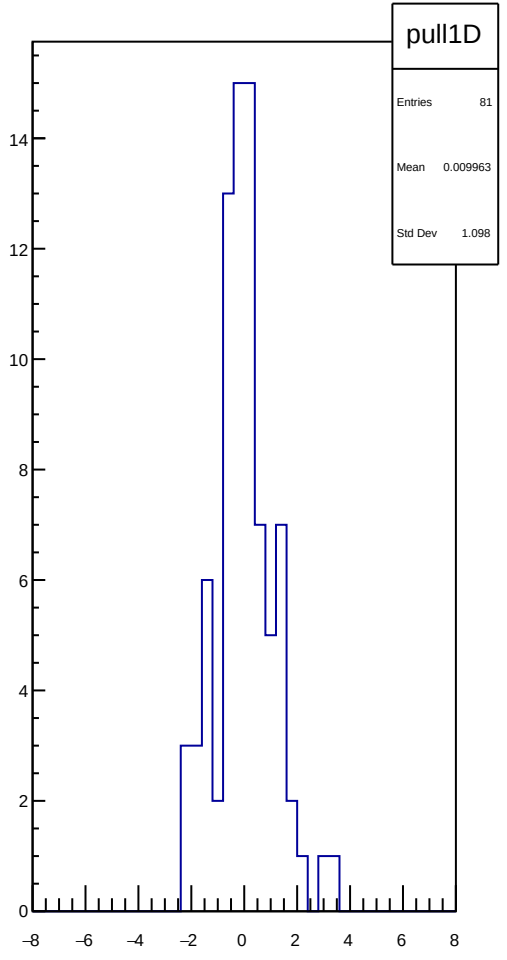

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3.61e+04 / 80
p0 523.8 ± 0.4178
850
800
750
700
650
600
550
500
450

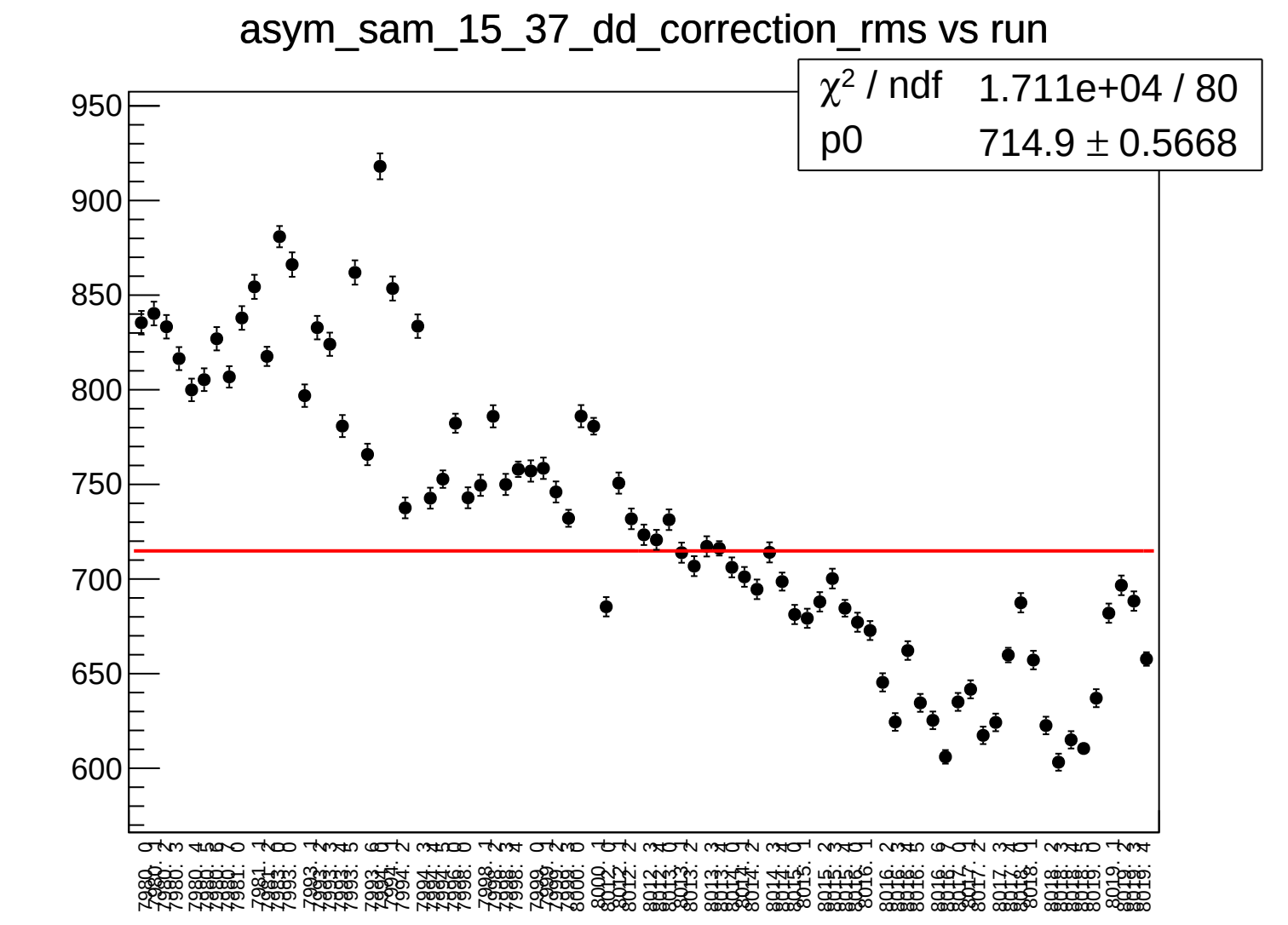

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 91.95 / 80
p0 −13.78 ± 99.99
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −15.37
Std Dev 52.15
3
2
1
0
−1
−2
−3

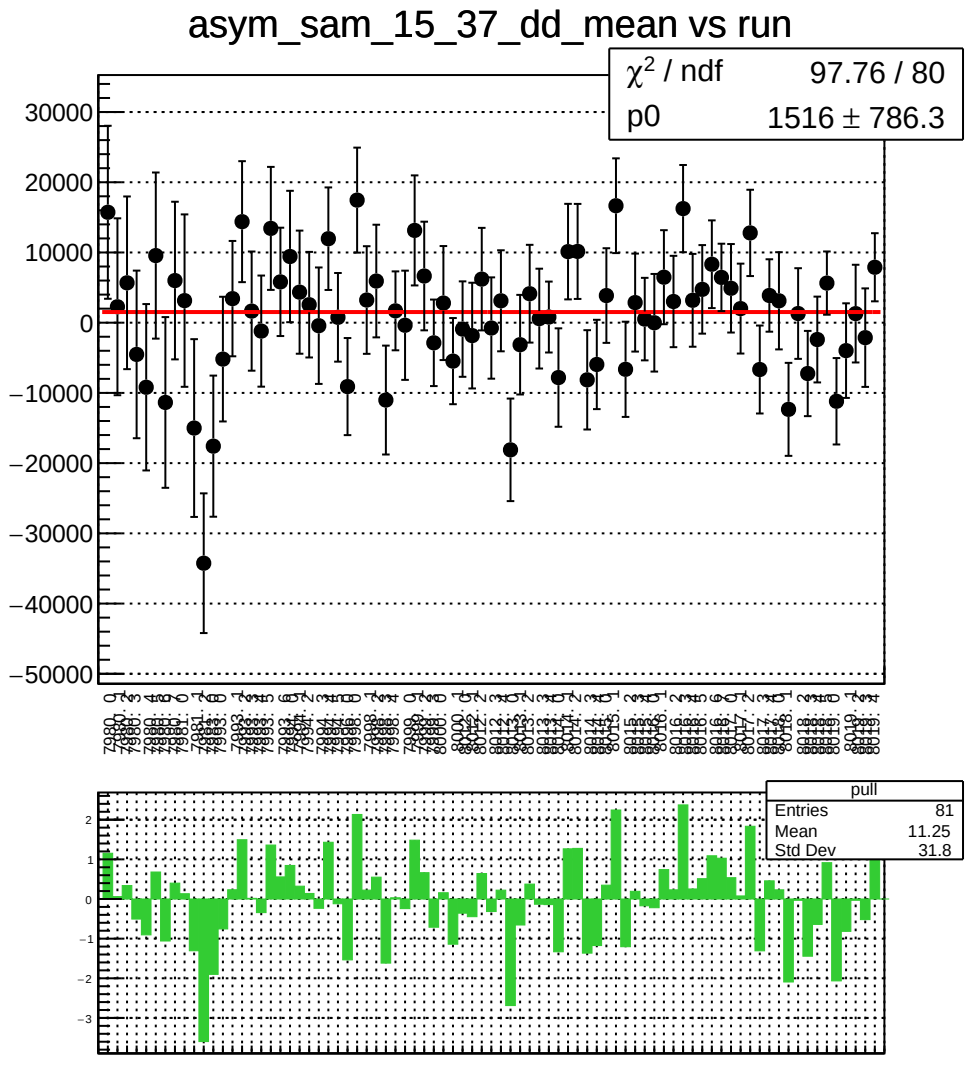

pull1D
Entries 81
Mean −0.04052
Std Dev 1.065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

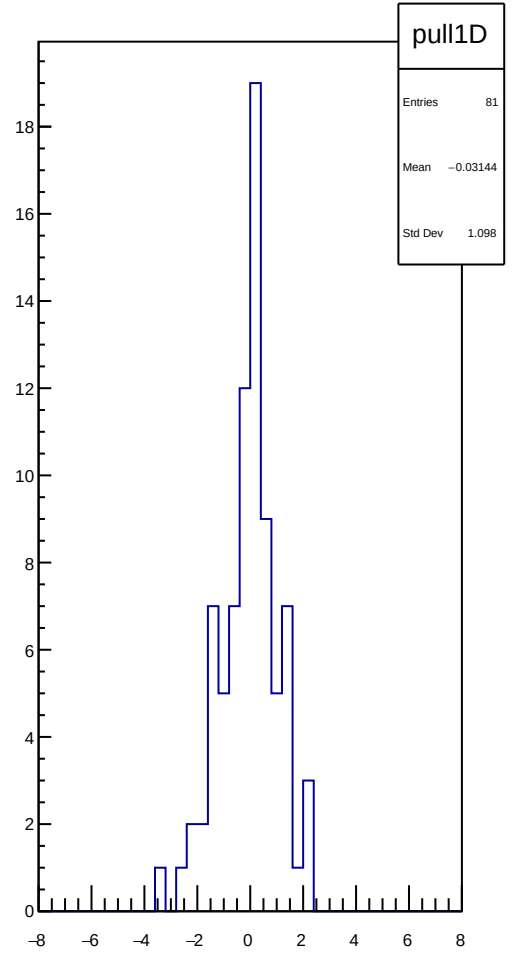

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.416e+05 / 80
p0 85.61 ± 0.07071
350
300
250
200
150
100
50

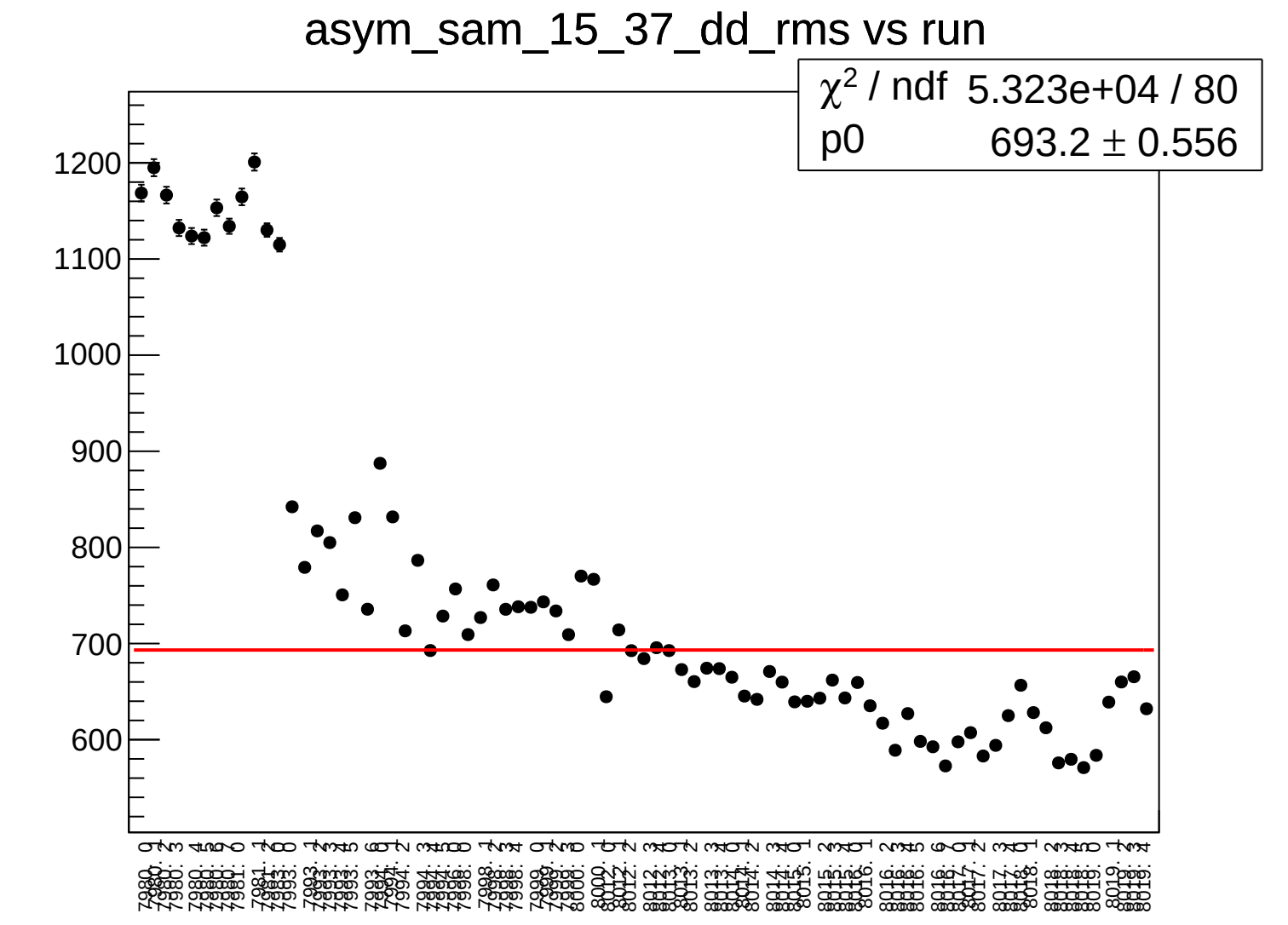

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 97.6 / 80
p0 −1366 ± 801.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −88.55
Std Dev 104.4
3
2
1
0
−1
−2

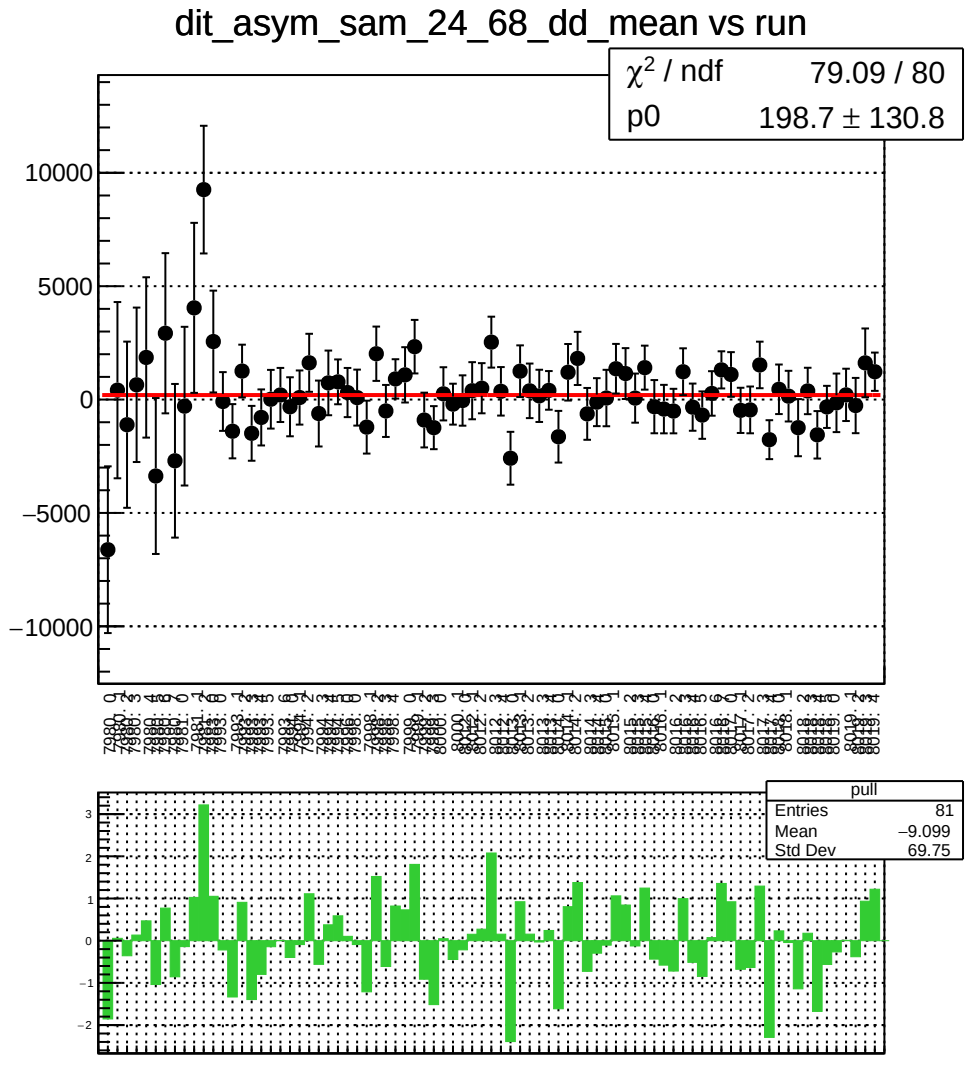

pull1D
Entries 81
Mean 0.009963
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

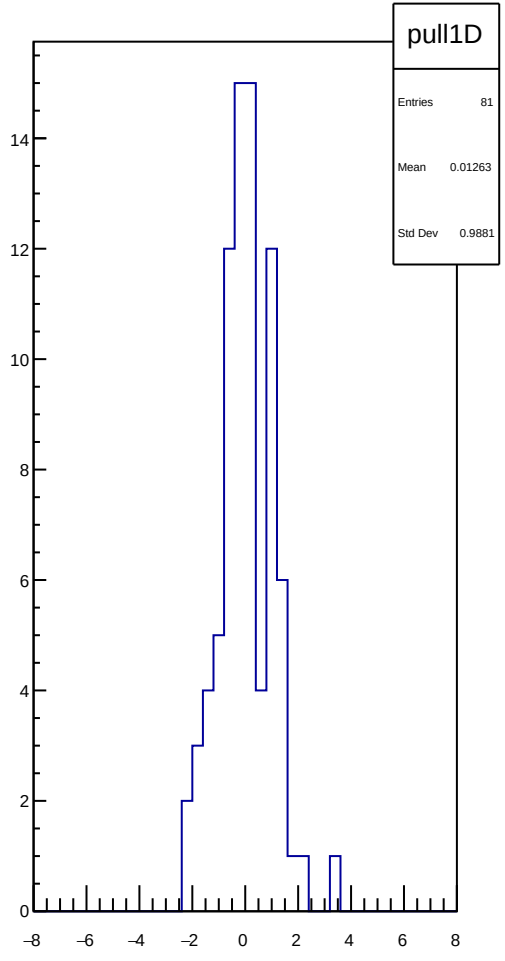

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.711e+04 / 80
p0 714.9 ± 0.5668
950
900
850
800
750
700
650
600

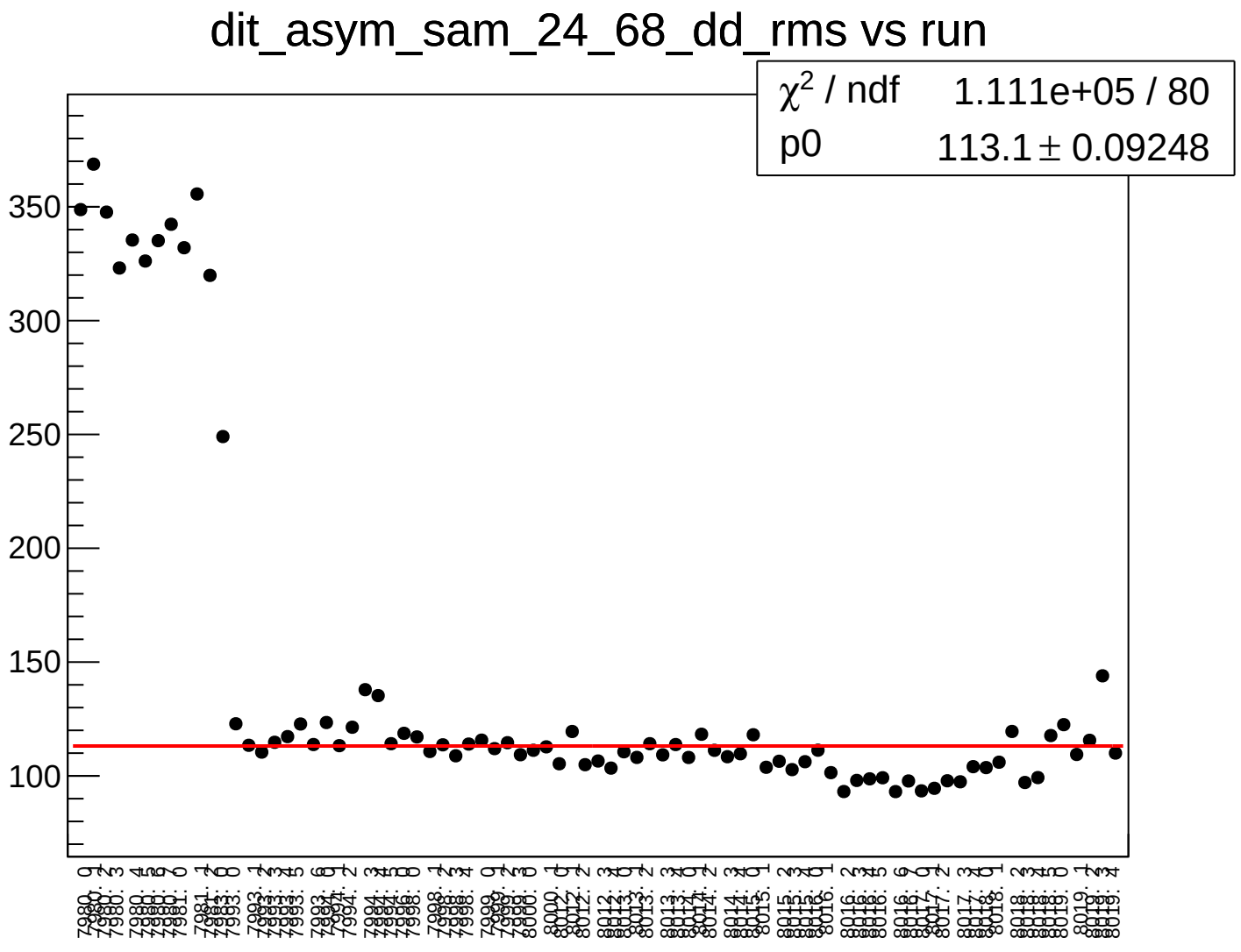

asym_sam_15_37_dd_mean vs run
χ² / ndf 97.76 / 80
p0 1516 ± 786.3
pull
Entries 81
Mean 11.25
Std Dev 31.8

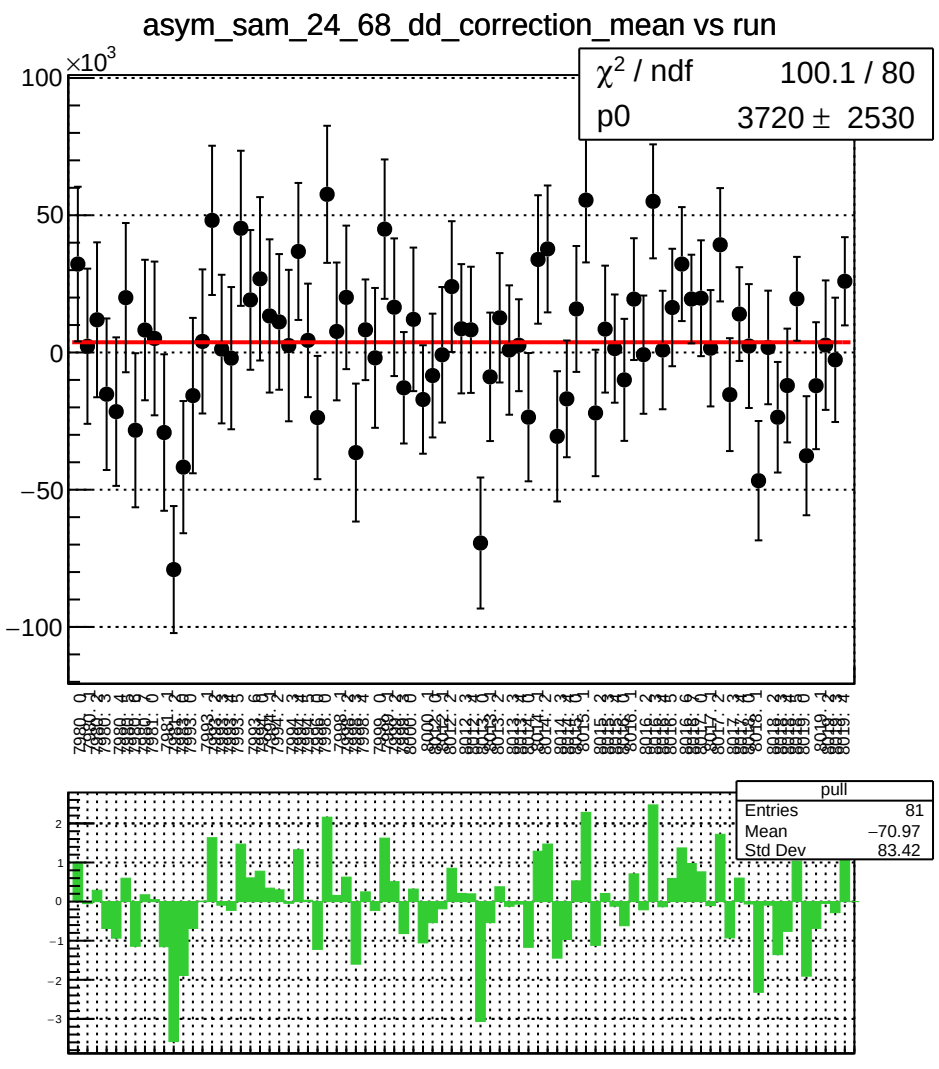

pull1D
Entries 81
Mean −0.03144
Std Dev 1.098

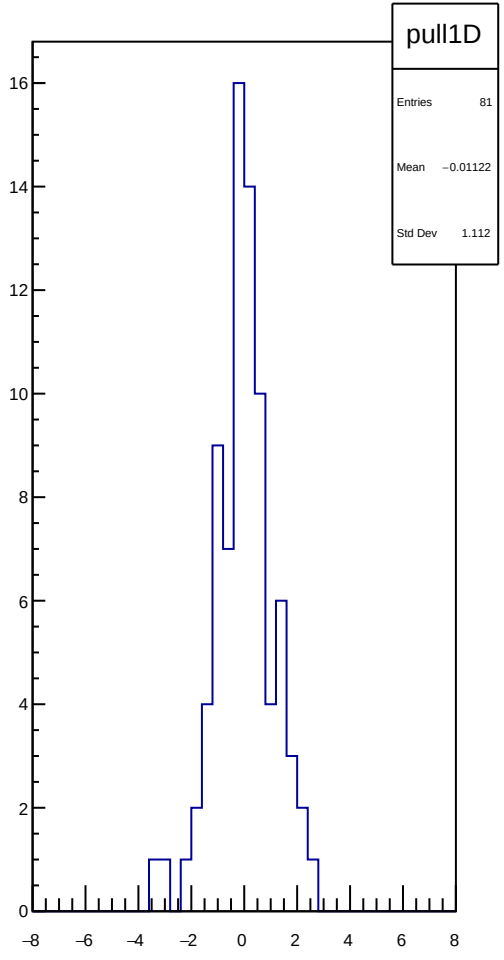

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5.323e+04 / 80
p0 693.2 ± 0.556
1200
1100
1000
900
800
700
600

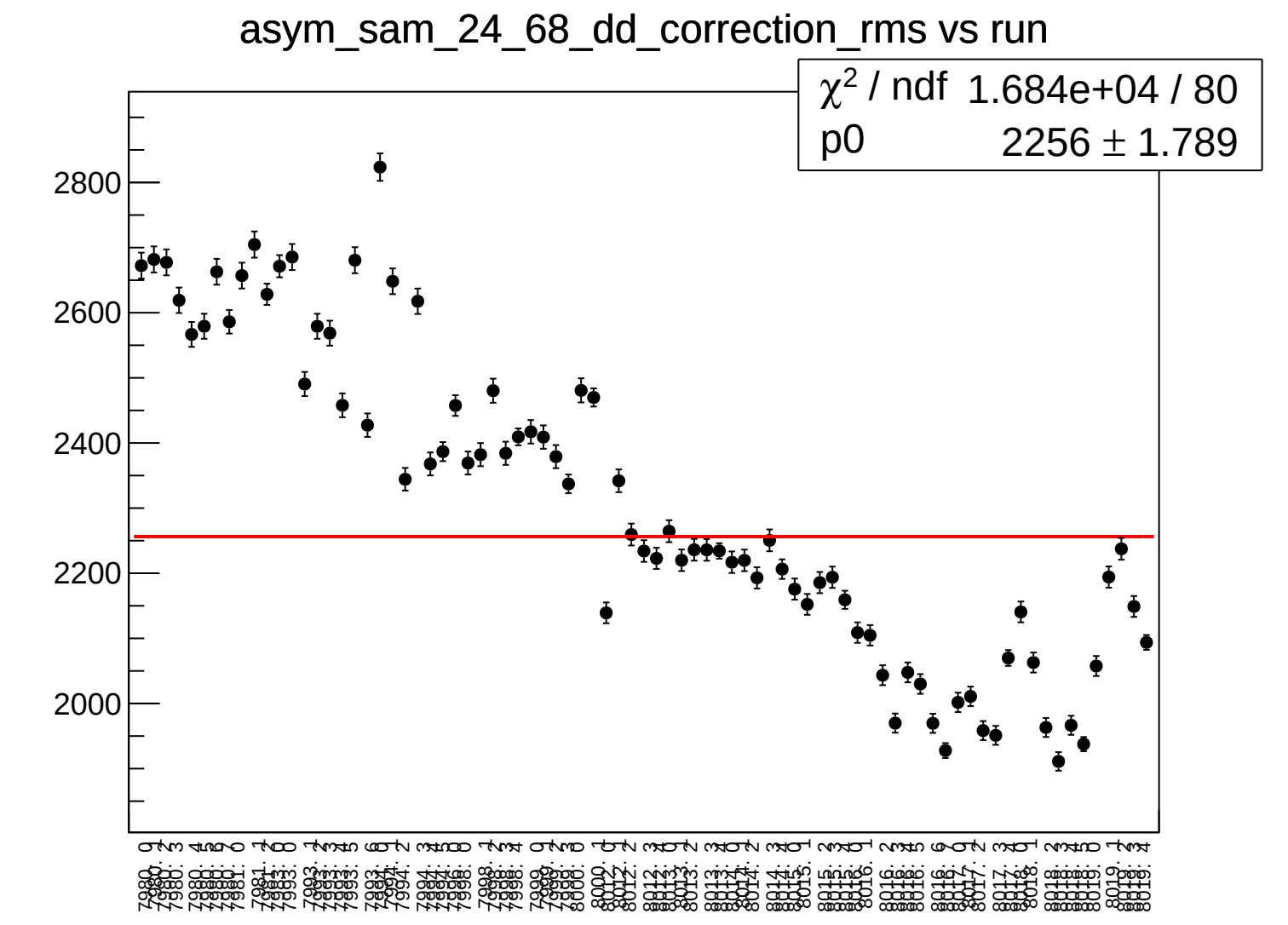

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 79.09 / 80
p0 198.7 ± 130.8
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −9.099
Std Dev 69.75
3
2
1
0
−1
−2

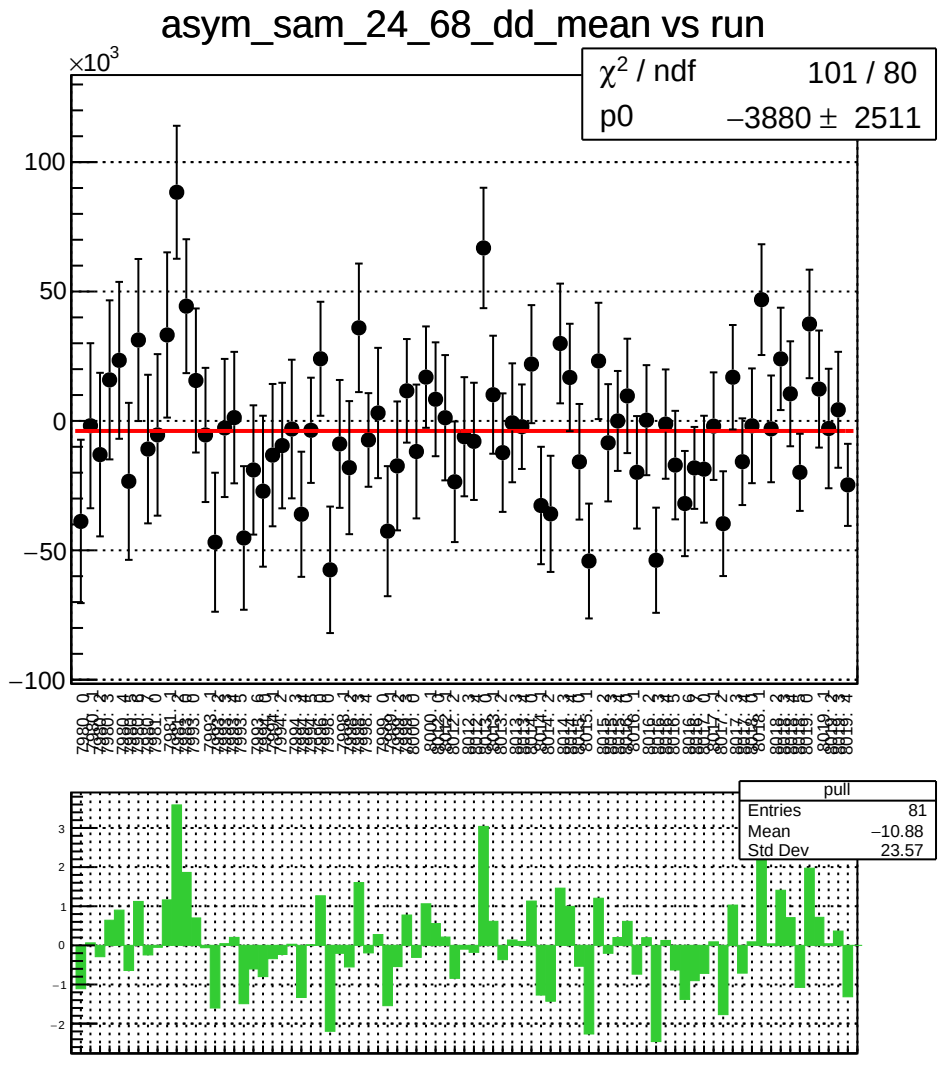

pull1D
Entries 81
Mean 0.01263
Std Dev 0.9881
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

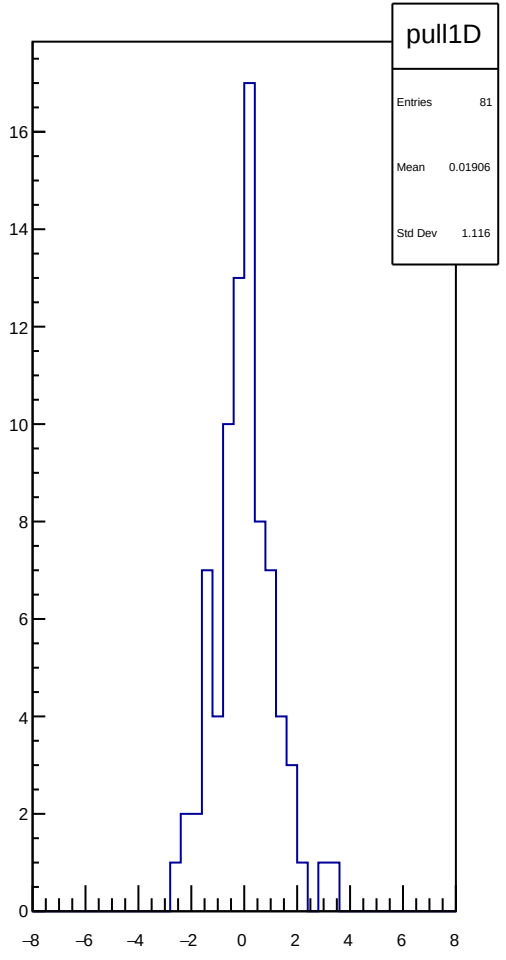

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.111e+05 / 80
p0 113.1 ± 0.09248
350
300
250
200
150
100

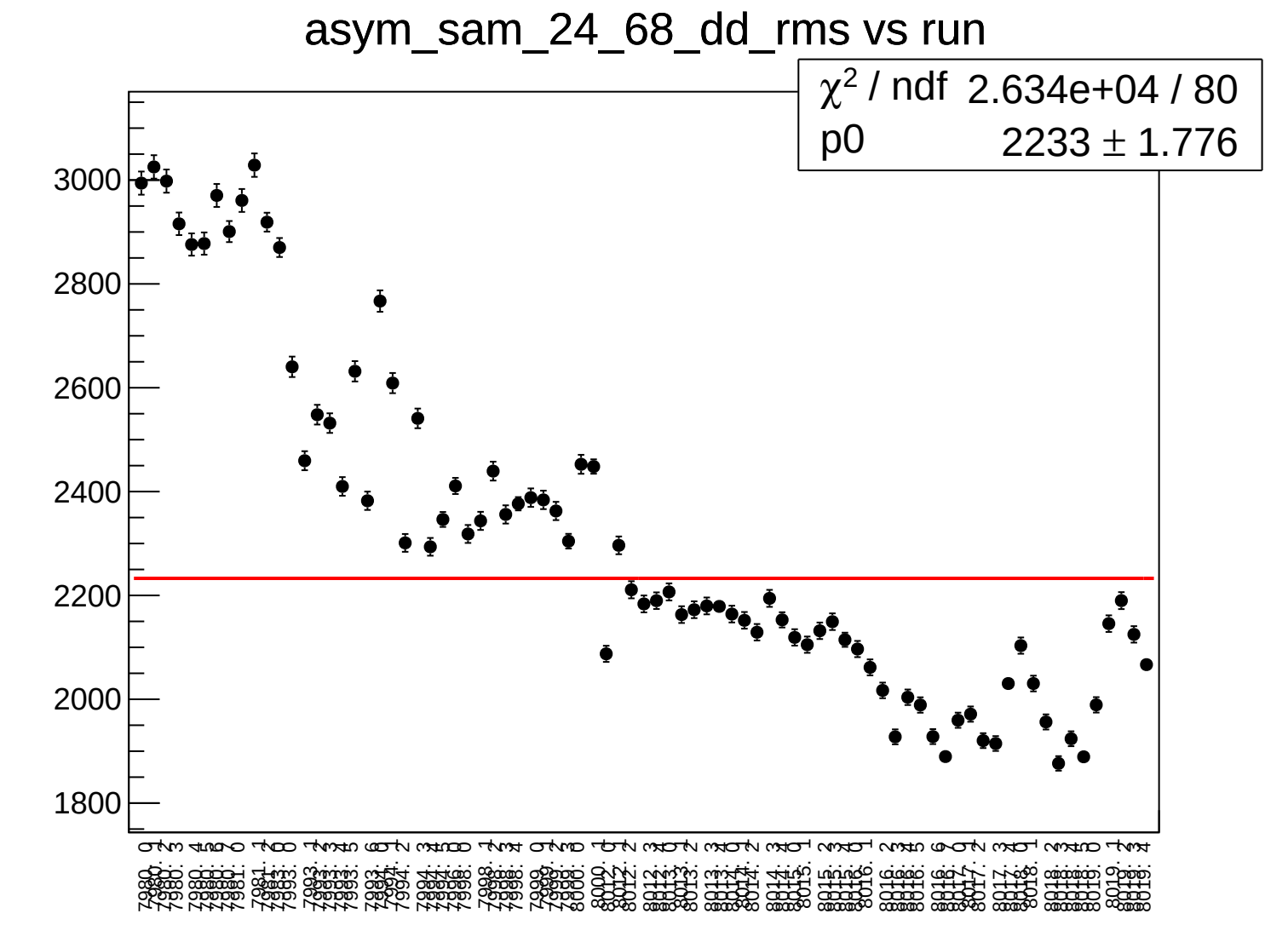

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 100.1 / 80
p0 3720 ± 2530
pull
Entries 81
Mean −70.97
Std Dev 83.42

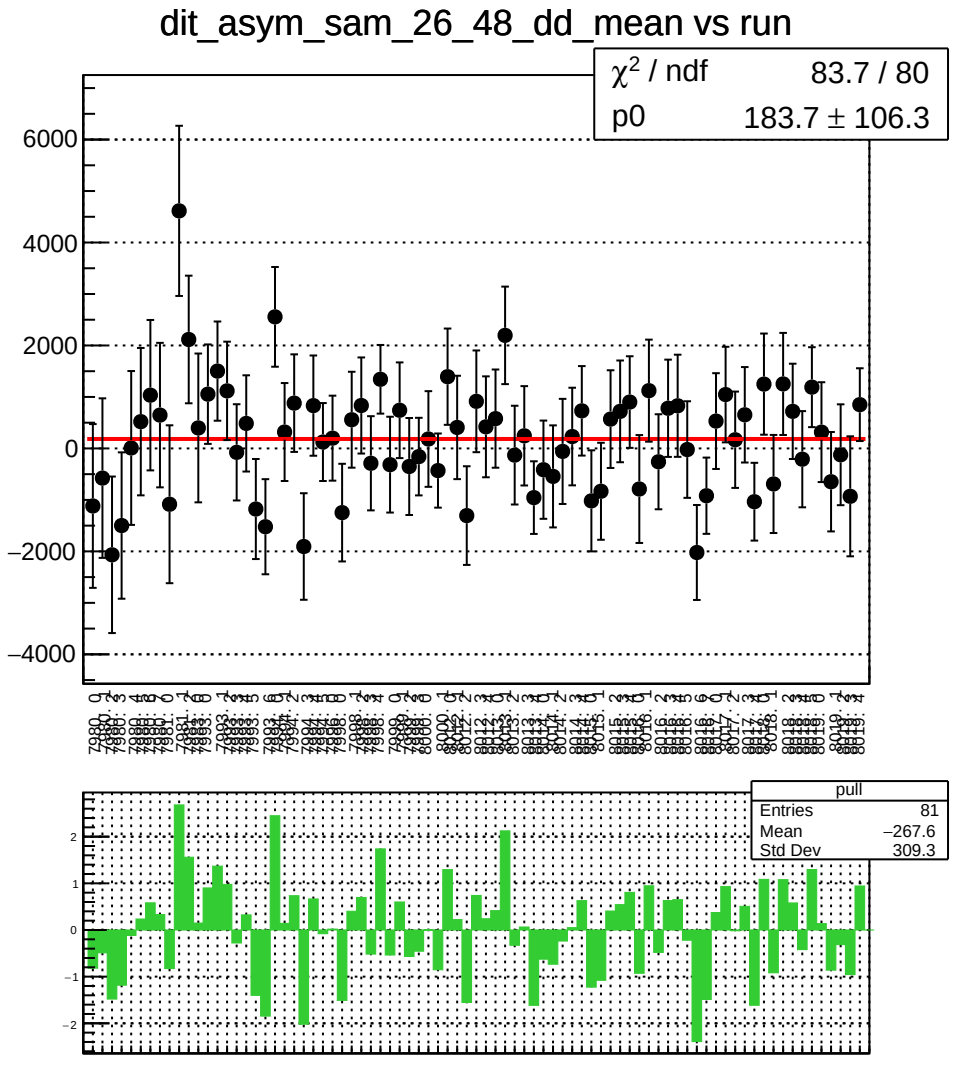

pull1D
Entries 81
Mean −0.01122
Std Dev 1.112

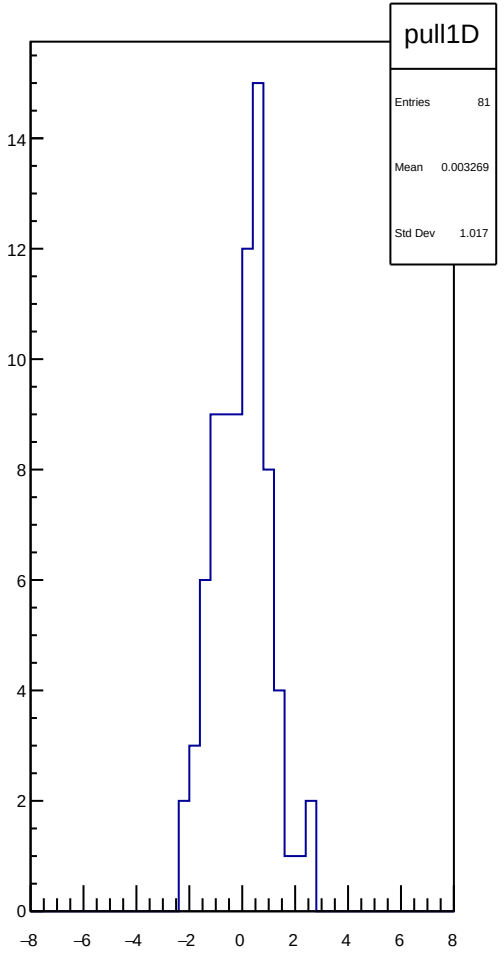

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.684e+04 / 80
p0 2256 ± 1.789
2800
2600
2400
2200
2000

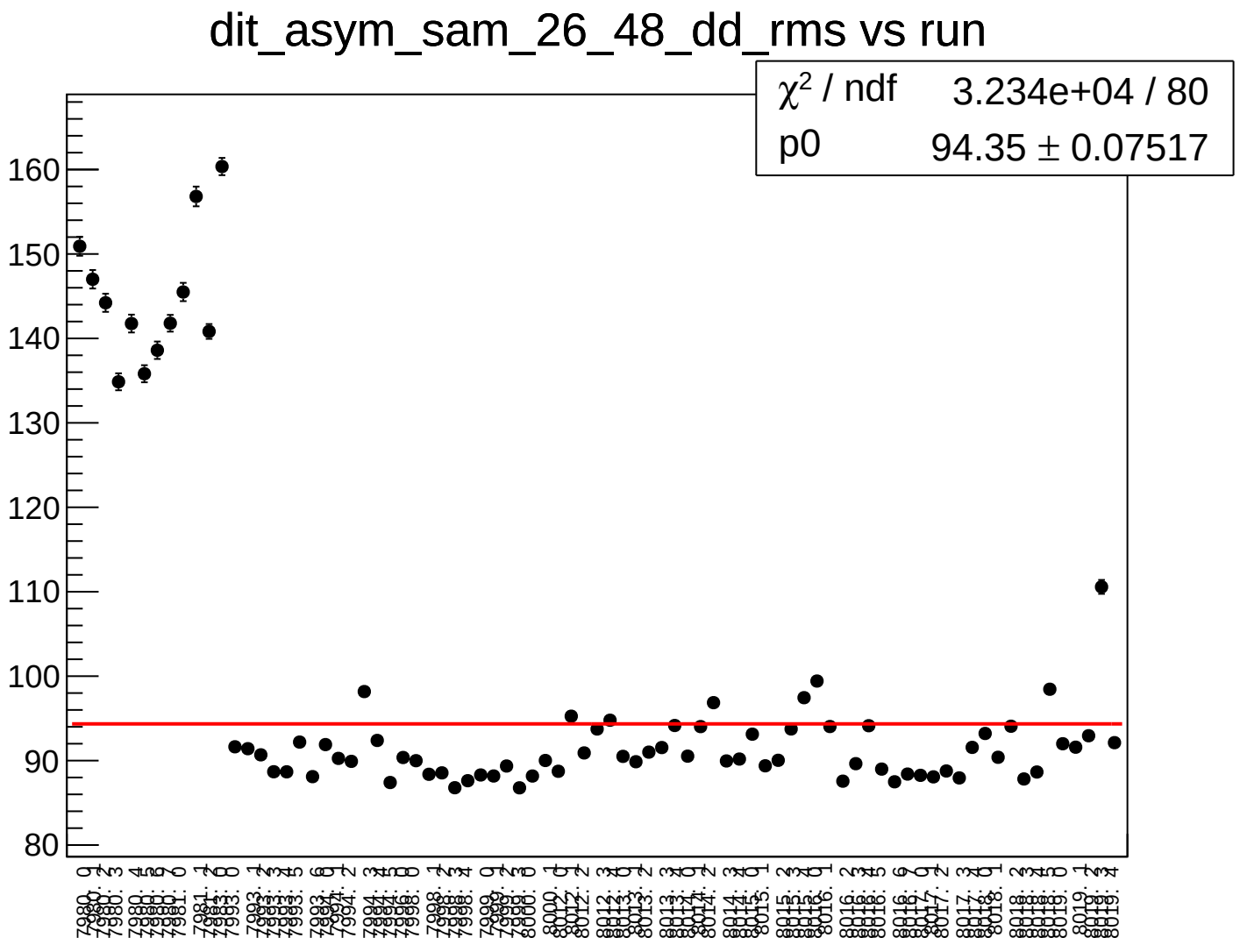

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 101 / 80
p0 −3880 ± 2511
100
50
0
−50
−100
pull
Entries 81
Mean −10.88
Std Dev 23.57
3
2
1
0
−1
−2

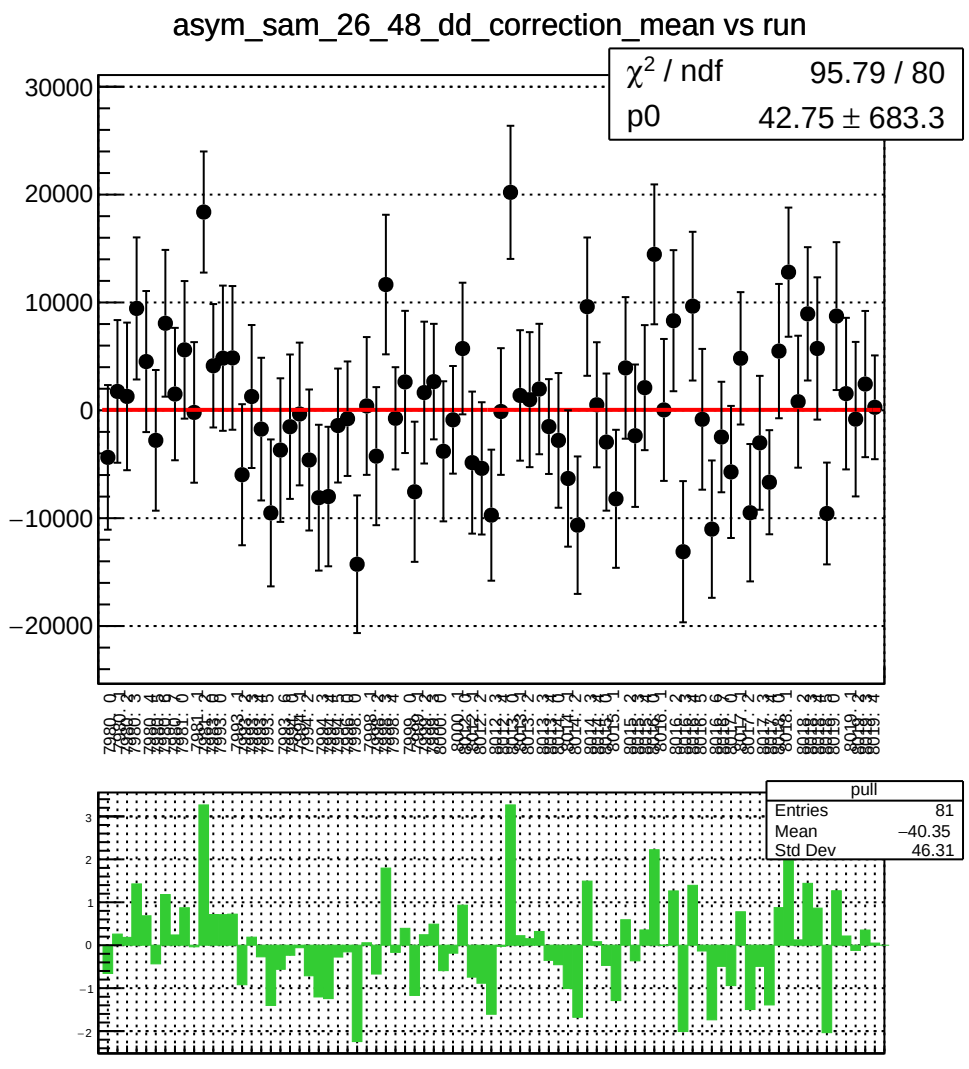

pull1D
Entries 81
Mean 0.01906
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

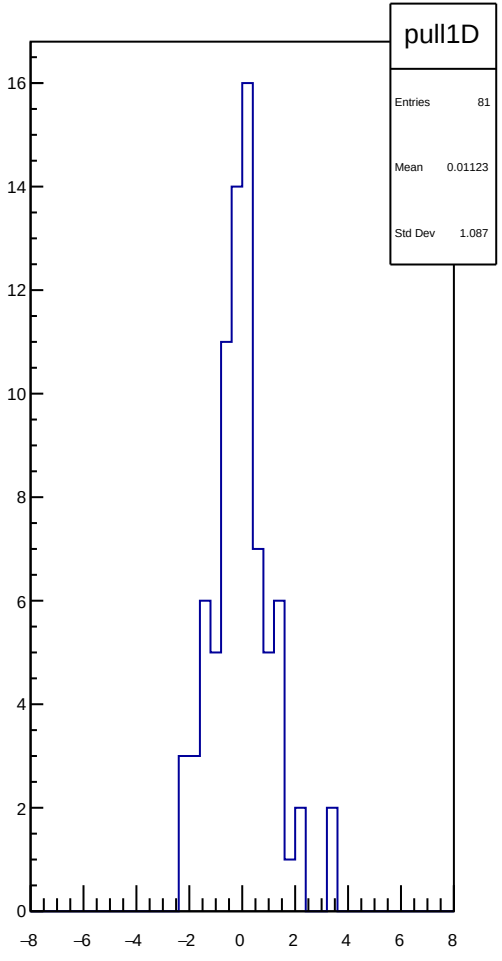

asym_sam_24_68_dd_rms vs run
χ² / ndf 2.634e+04 / 80
p0 2233 ± 1.776
3000
2800
2600
2400
2200
2000
1800

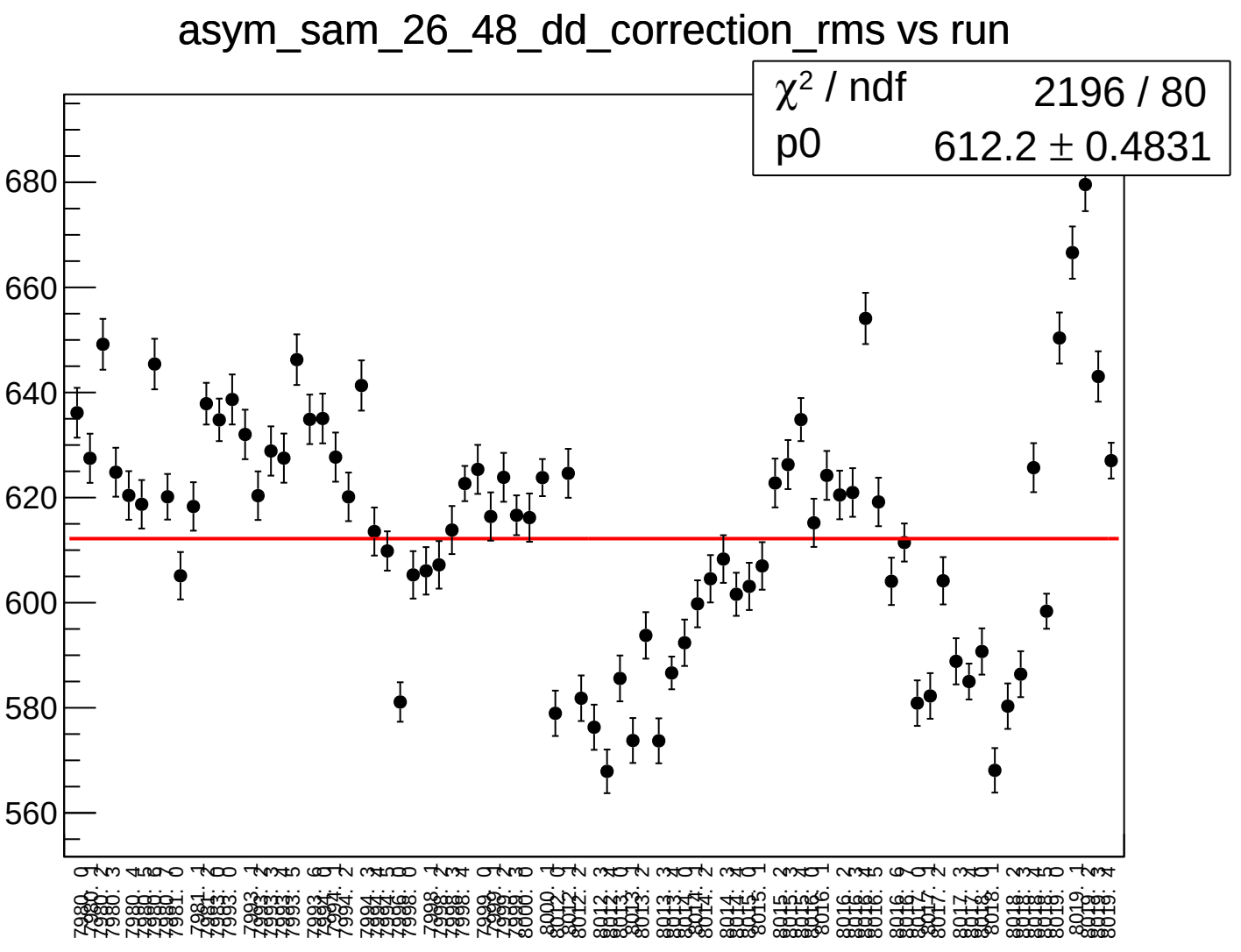

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 83.7 / 80
p0 183.7 ± 106.3
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −267.6
Std Dev 309.3
2
1
0
−1
−2

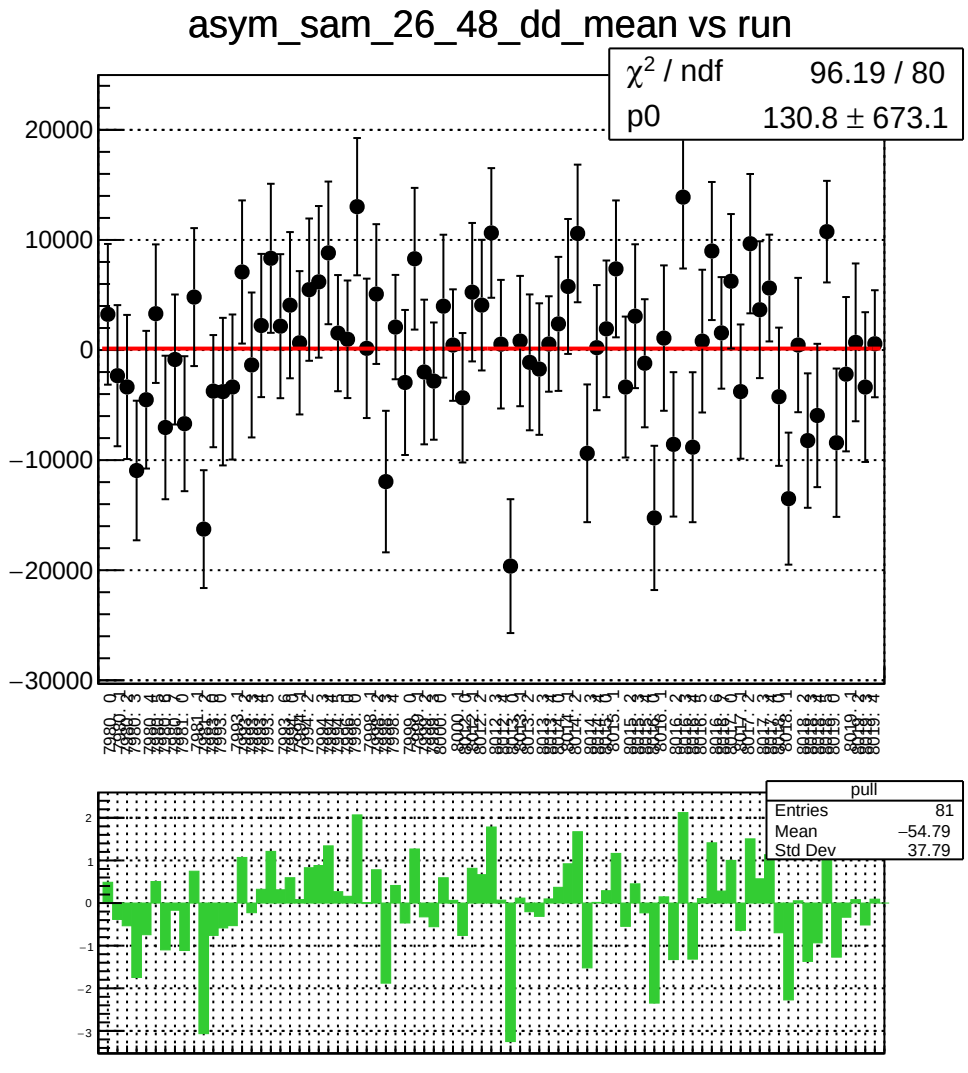

pull1D
Entries 81
Mean 0.003269
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

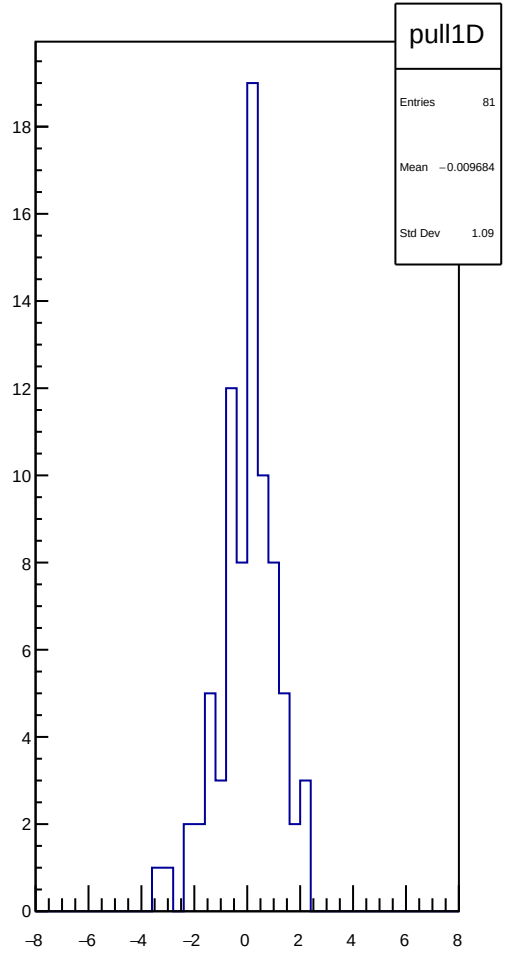

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 3.234e+04 / 80
p0 94.35 ± 0.07517
160
150
140
130
120
110
100
90
80

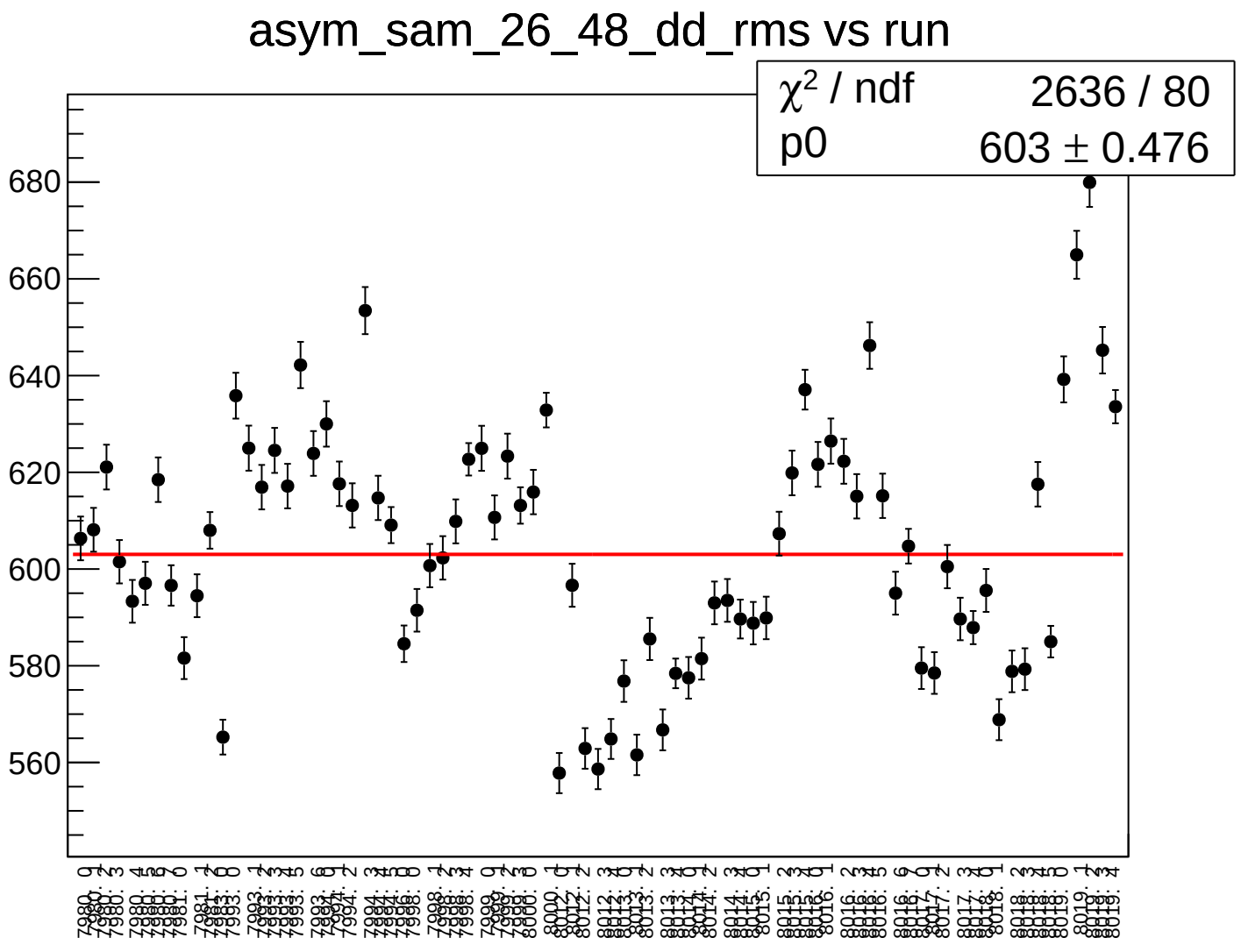

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 95.79 / 80
p0 42.75 ± 683.3
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −40.35
Std Dev 46.31
3
2
1
0
−1
−2

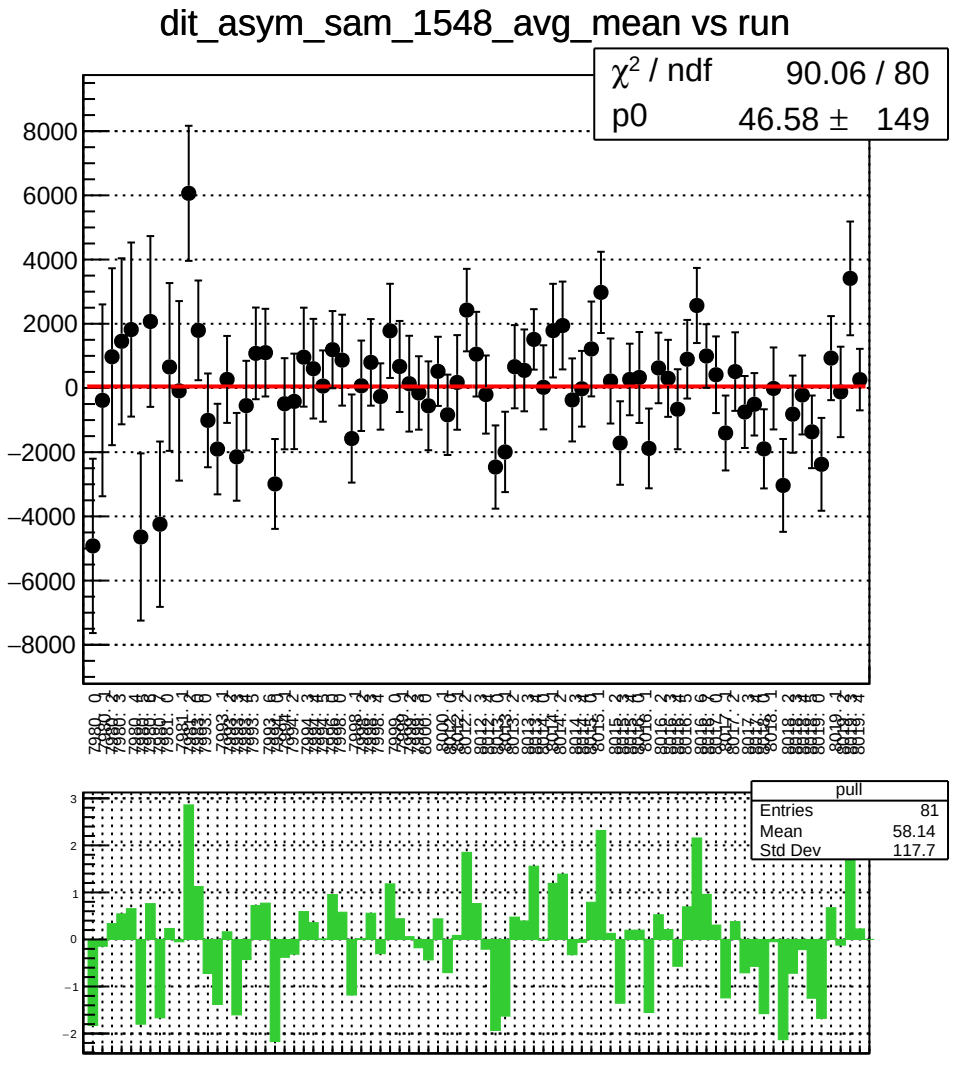

pull1D
Entries 81
Mean 0.01123
Std Dev 1.087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

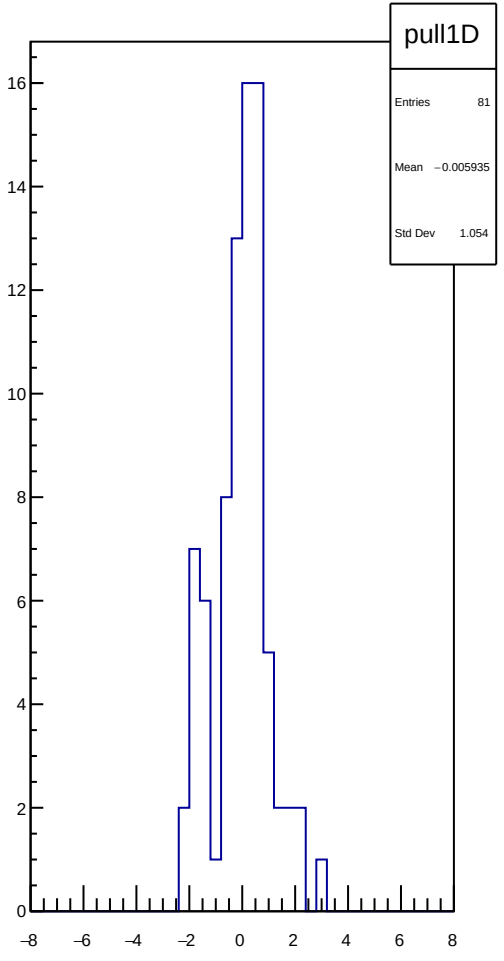

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2196 / 80
p0 612.2 ± 0.4831
680
660
640
620
600
580
560

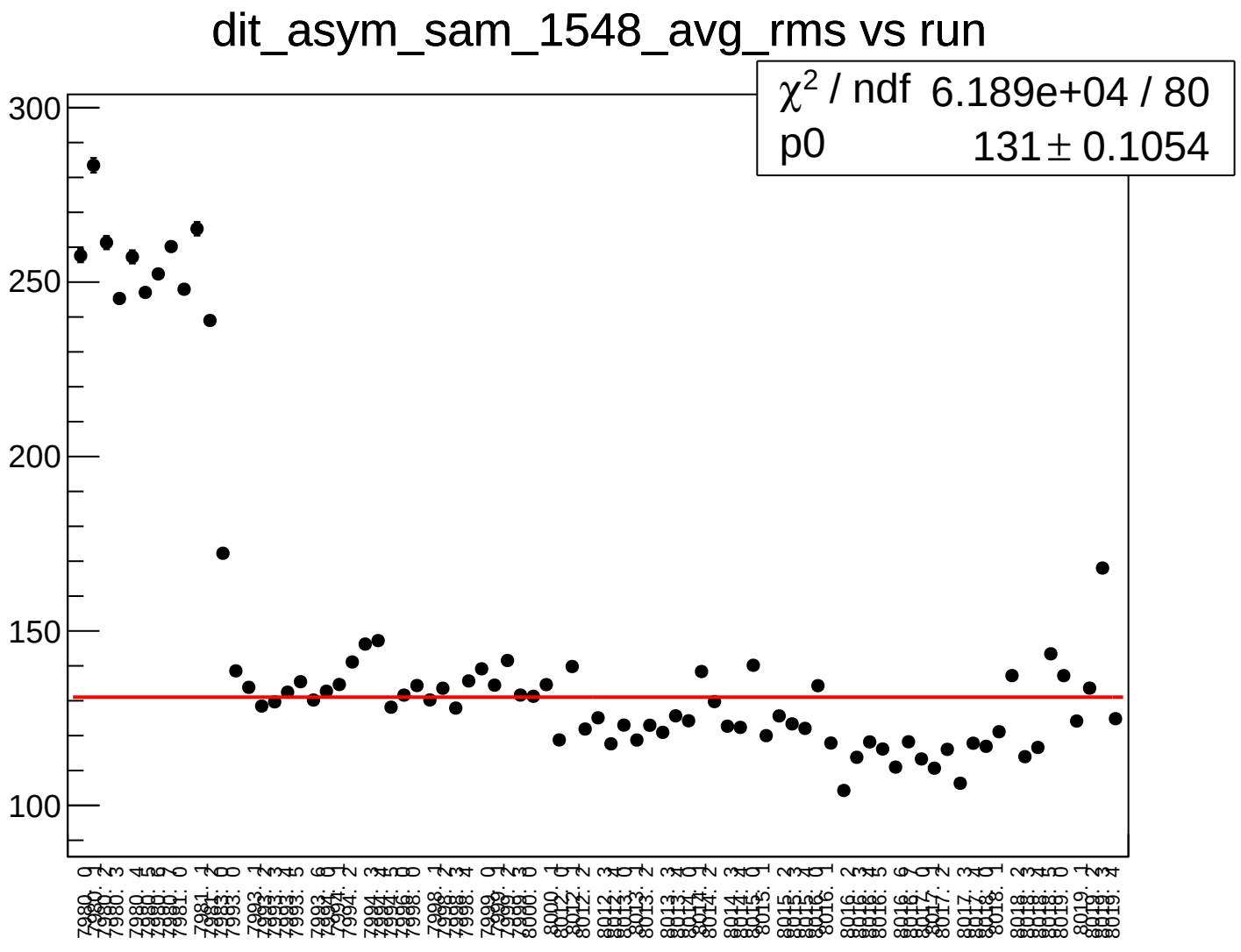

asym_sam_26_48_dd_mean vs run
χ² / ndf 96.19 / 80
p0 130.8 ± 673.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −54.79
Std Dev 37.79
2
1
0
−1
−2
−3

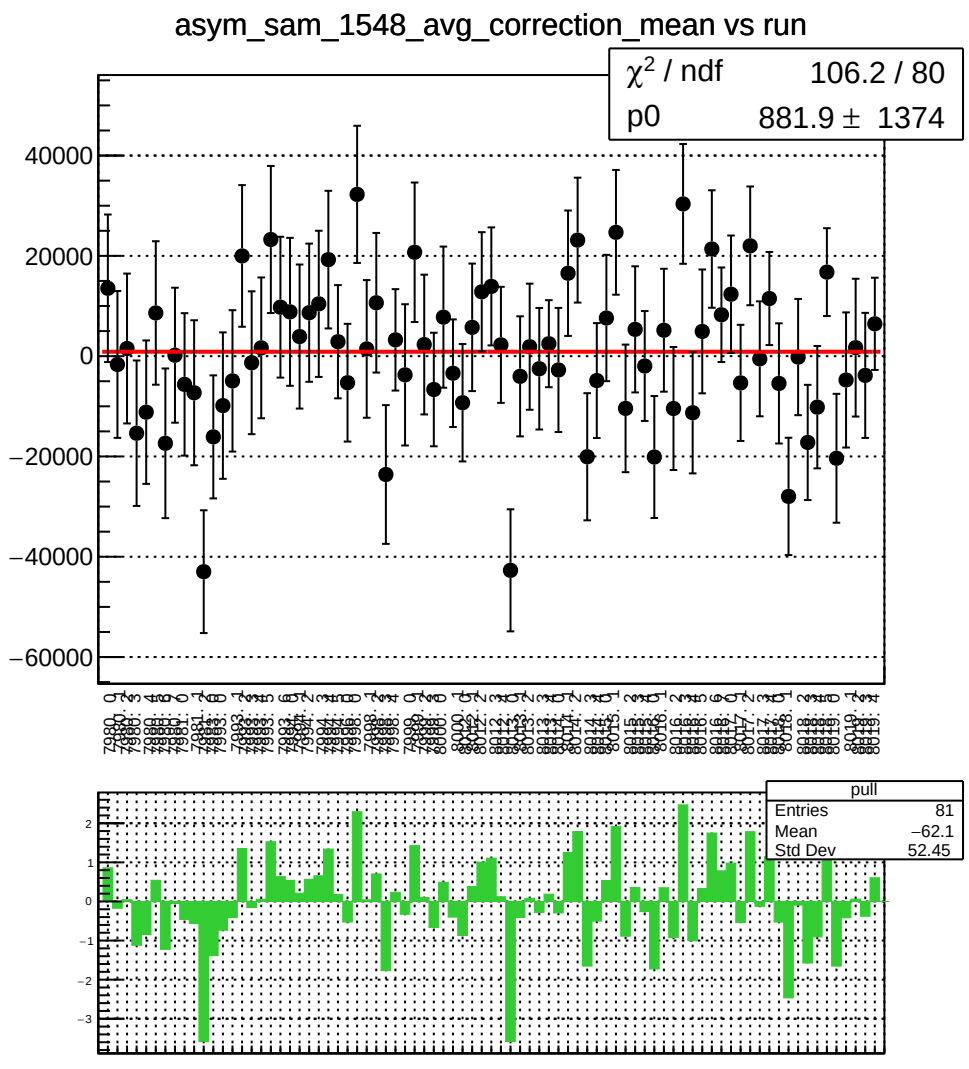

pull1D
Entries 81
Mean −0.009684
Std Dev 1.09
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

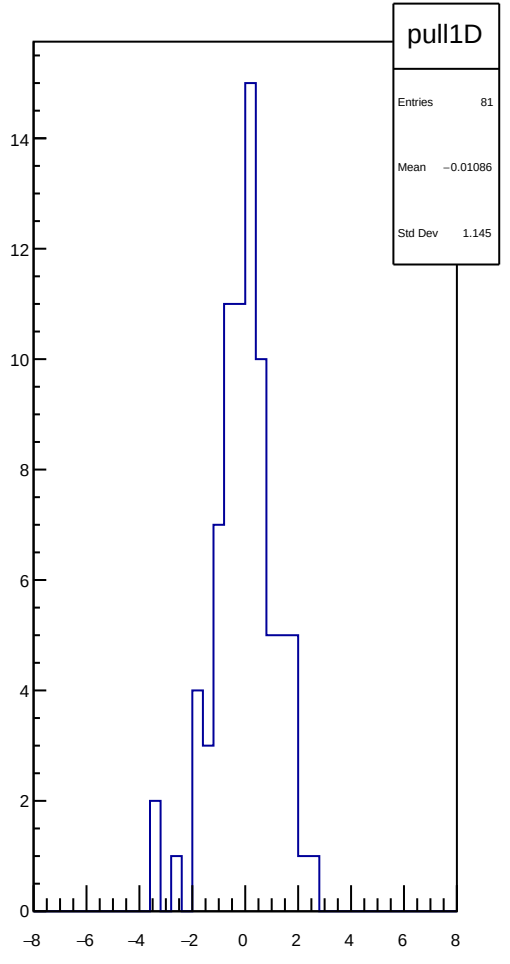

asym_sam_26_48_dd_rms vs run
χ² / ndf 2636 / 80
p0 603 ± 0.476
680
660
640
620
600
580
560

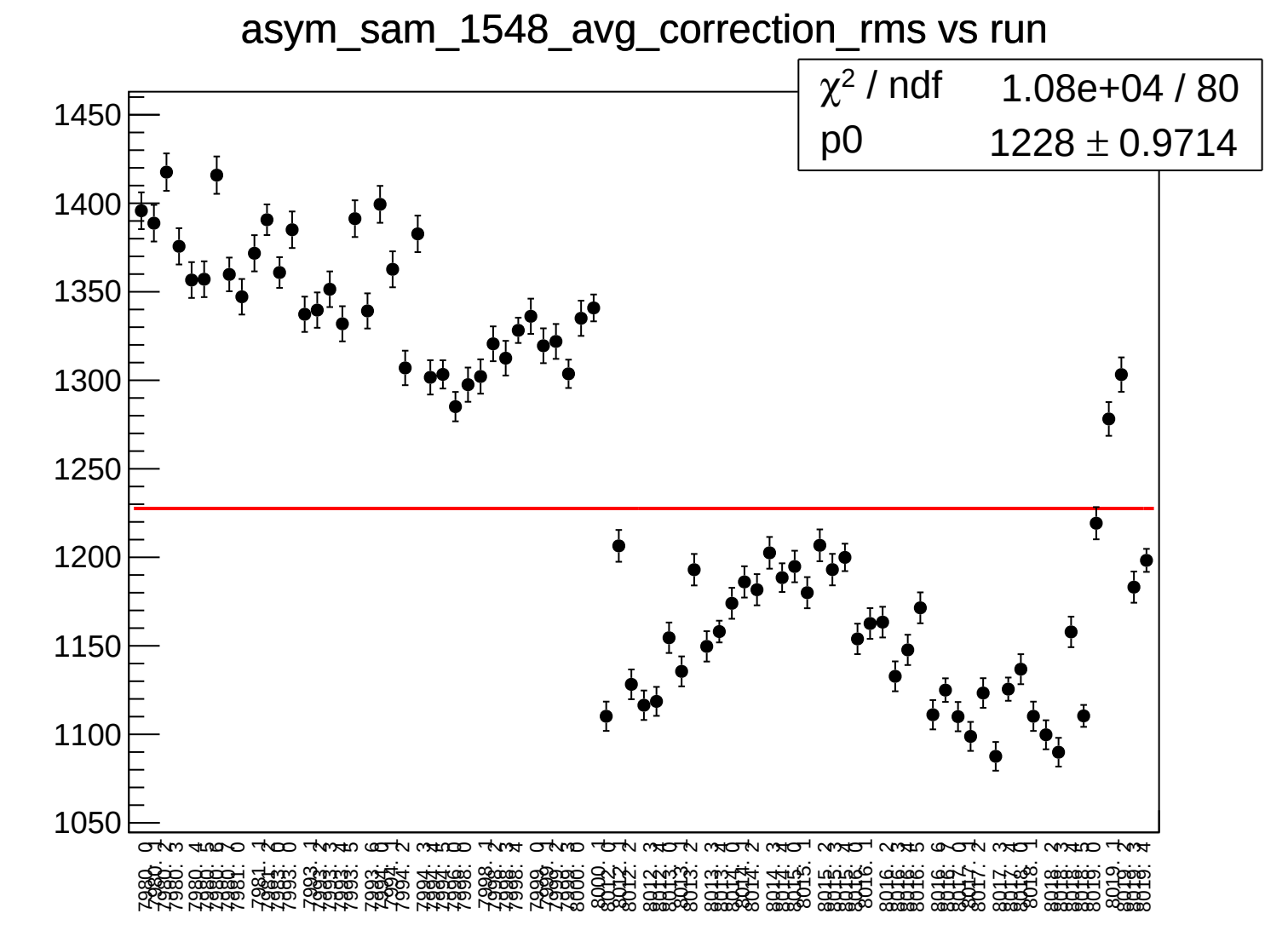

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 90.06 / 80
p0 46.58 ± 149
pull
Entries 81
Mean 58.14
Std Dev 117.7

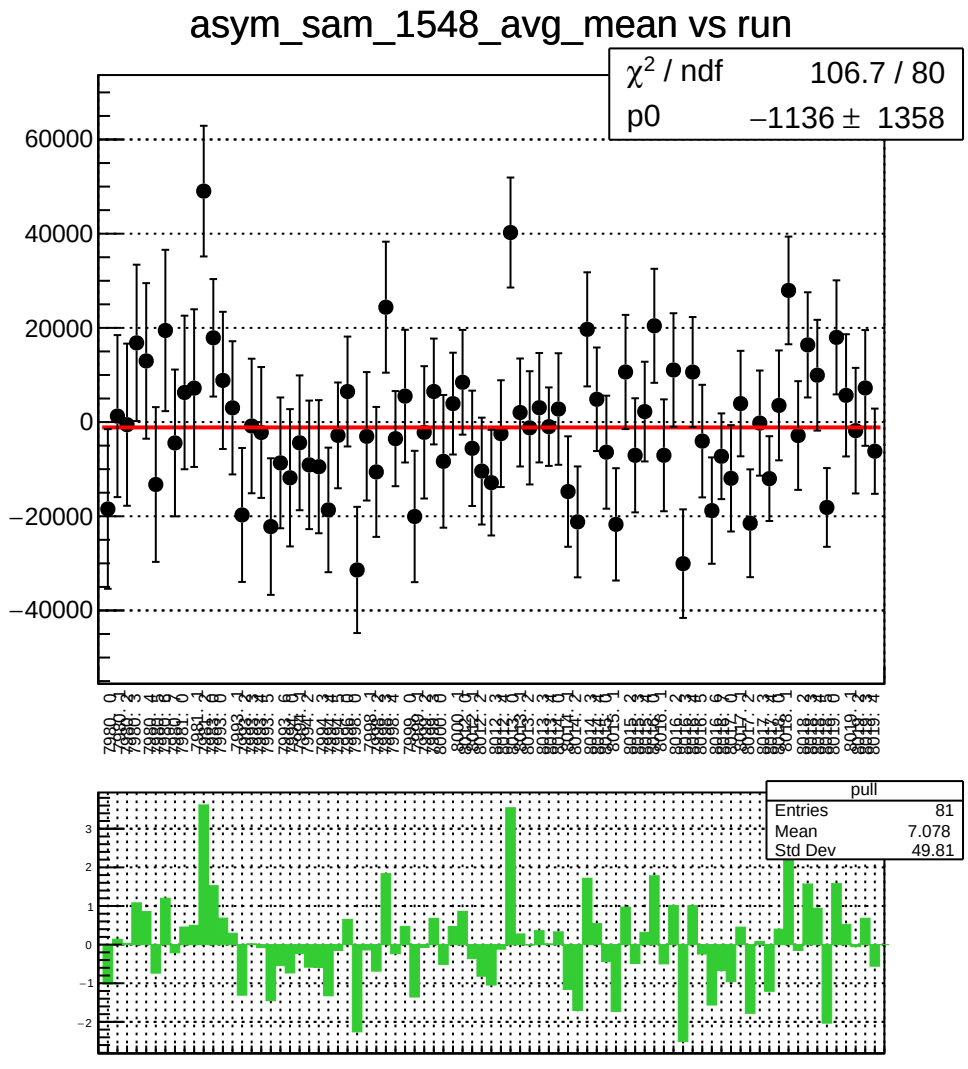

pull1D
Entries 81
Mean −0.005935
Std Dev 1.054

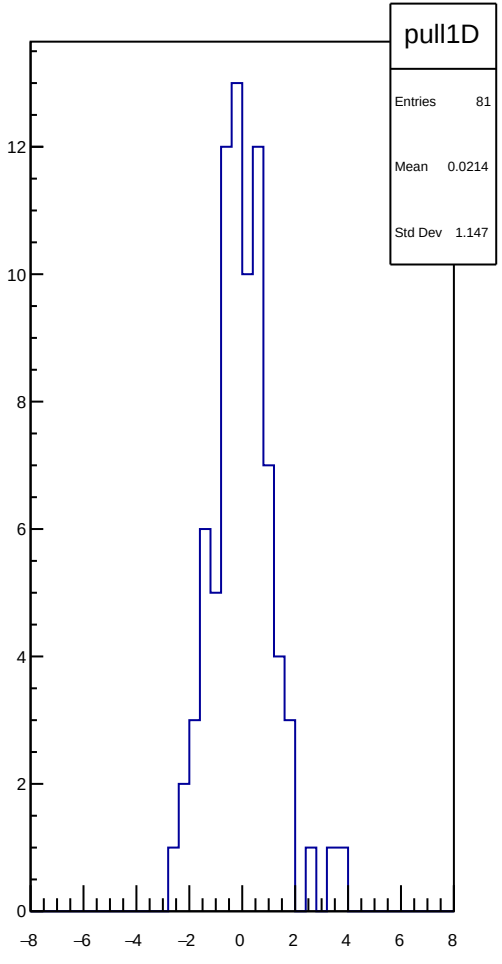

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 6.189e+04 / 80
p0 131 ± 0.1054
300
250
200
150
100

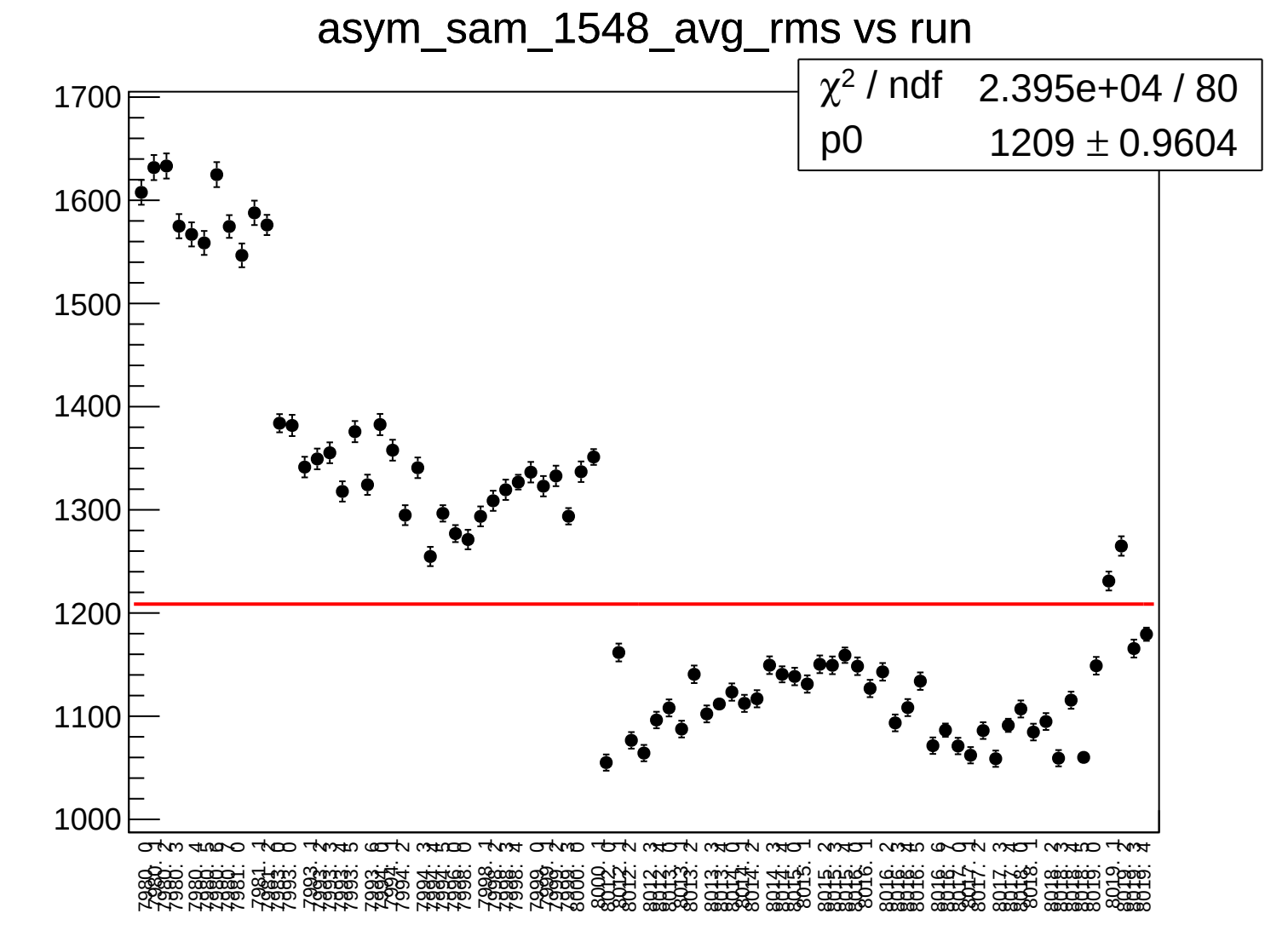

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 106.2 / 80
p0 881.9 ± 1374
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −62.1
Std Dev 52.45
2
1
0
−1
−2
−3

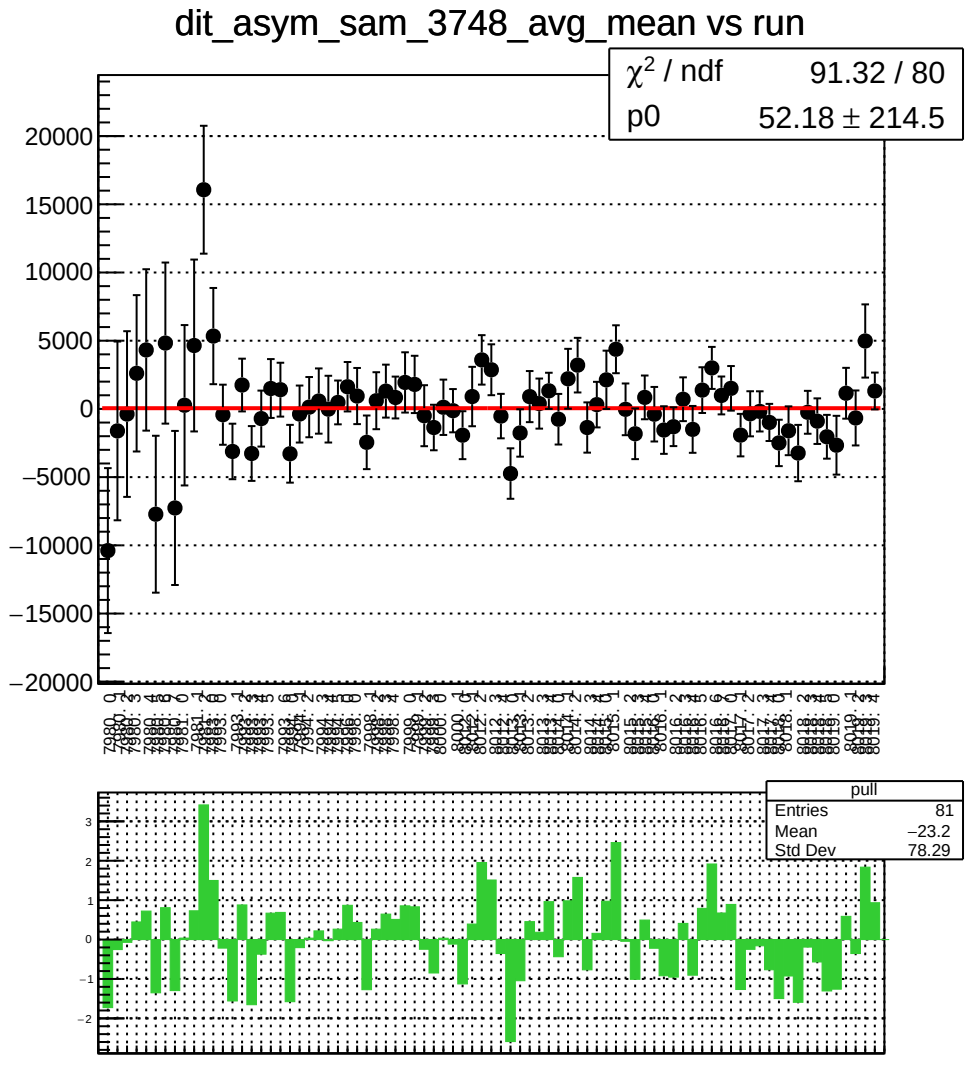

pull1D
Entries 81
Mean −0.01086
Std Dev 1.145
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

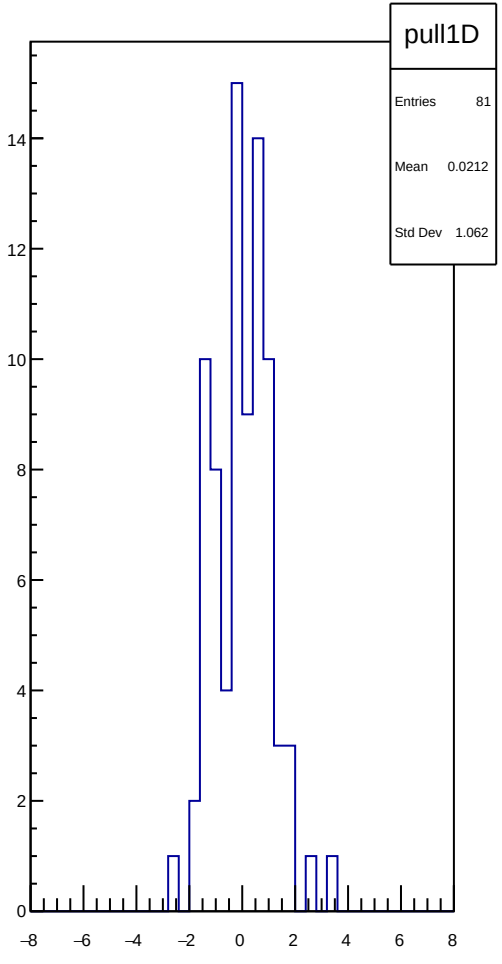

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.08e+04 / 80
p0 1228 ± 0.9714
1450
1400
1350
1300
1250
1200
1150
1100
1050

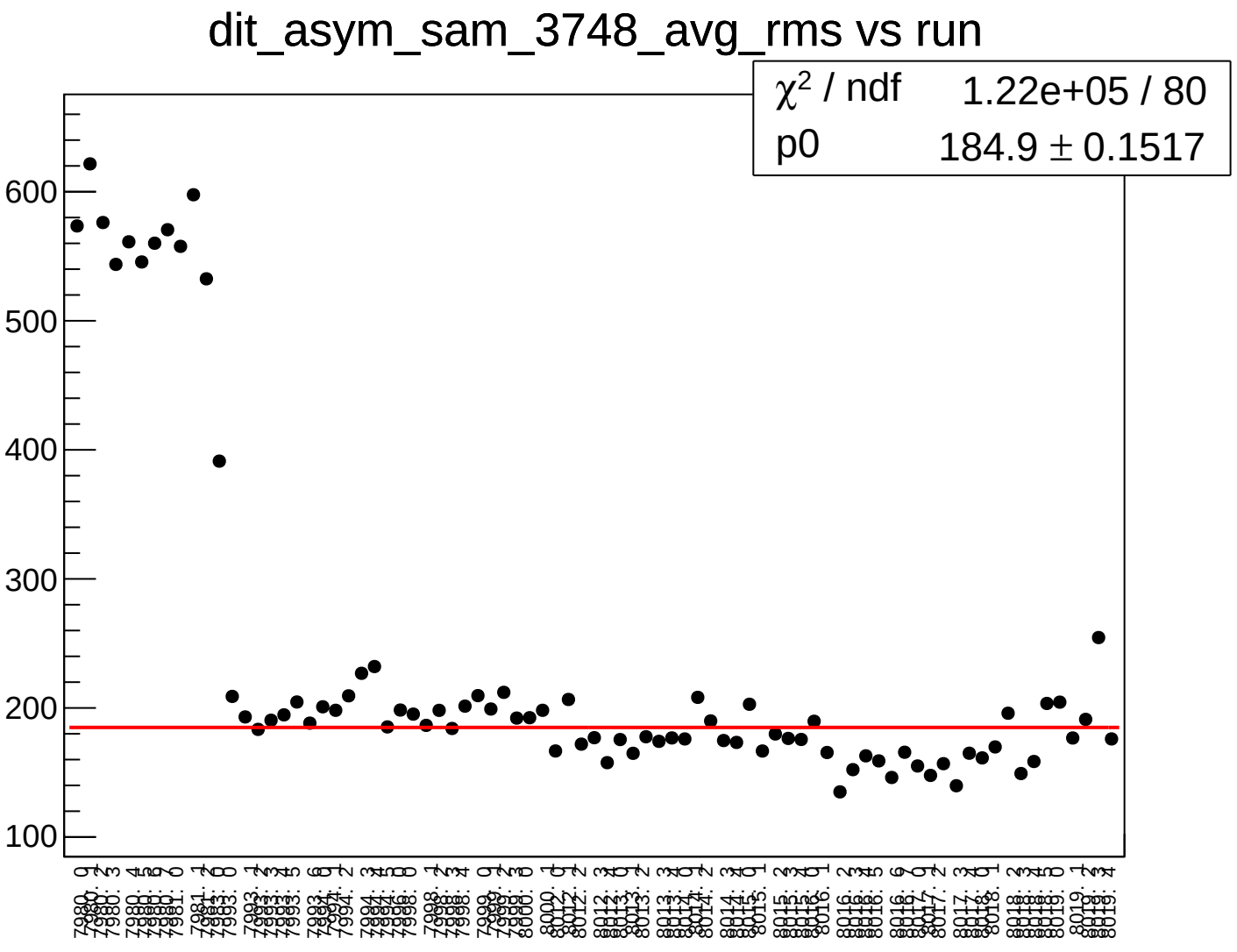

asym_sam_1548_avg_mean vs run
χ² / ndf 106.7 / 80
p0 −1136 ± 1358
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 7.078
Std Dev 49.81
3
2
1
0
−1
−2

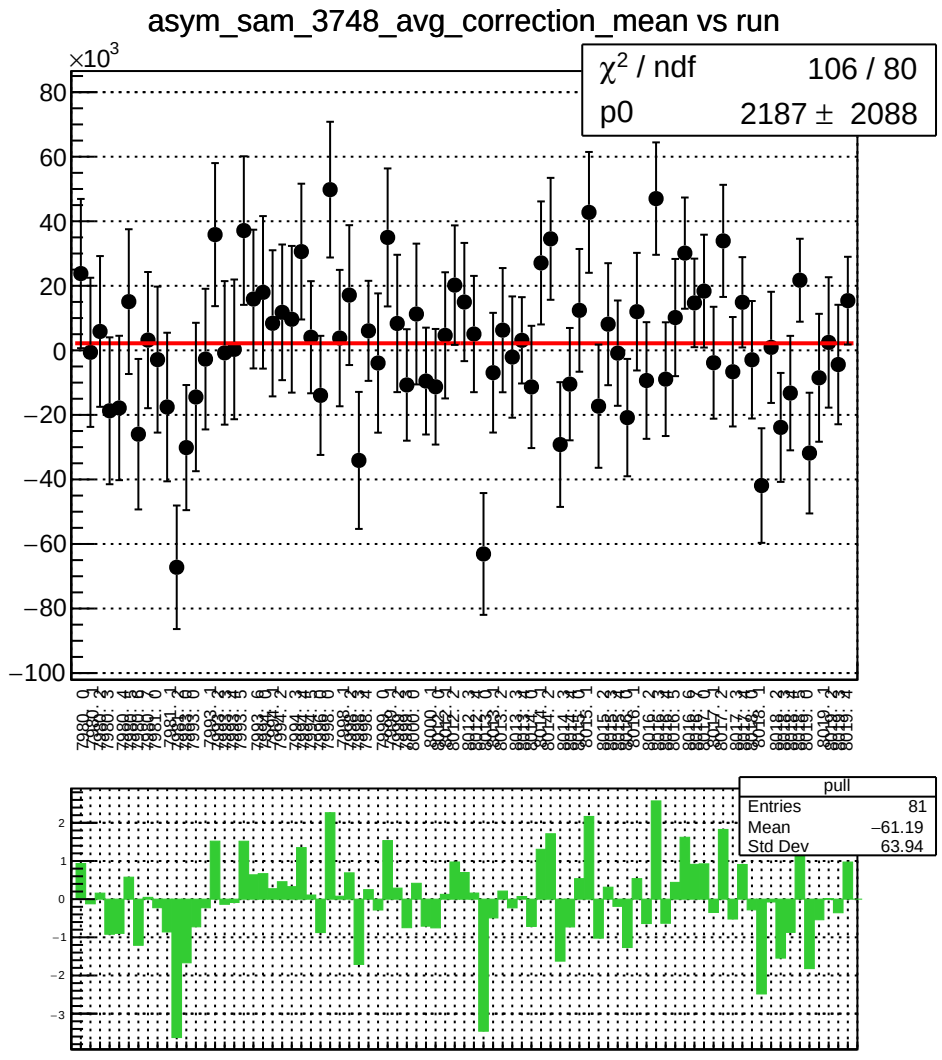

pull1D
Entries 81
Mean 0.0214
Std Dev 1.147
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

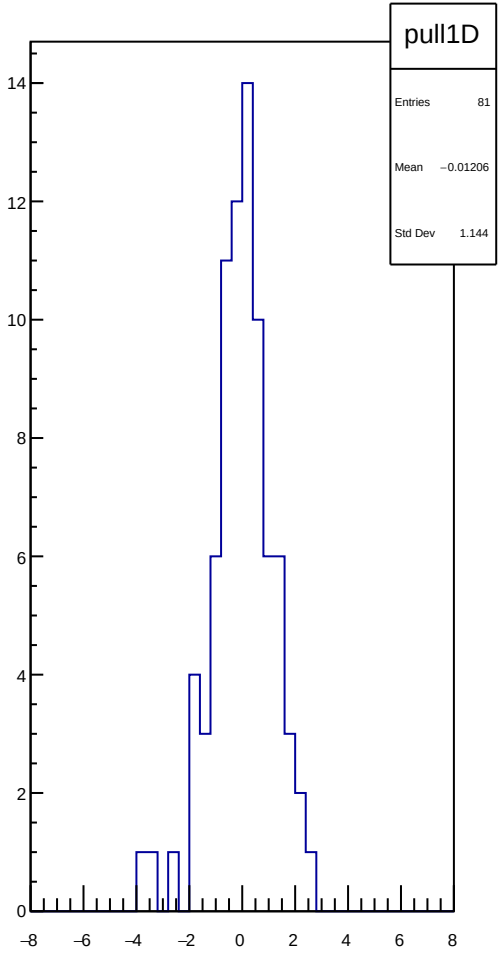

asym_sam_1548_avg_rms vs run
χ² / ndf 2.395e+04 / 80
p0 1209 ± 0.9604
1700
1600
1500
1400
1300
1200
1100
1000

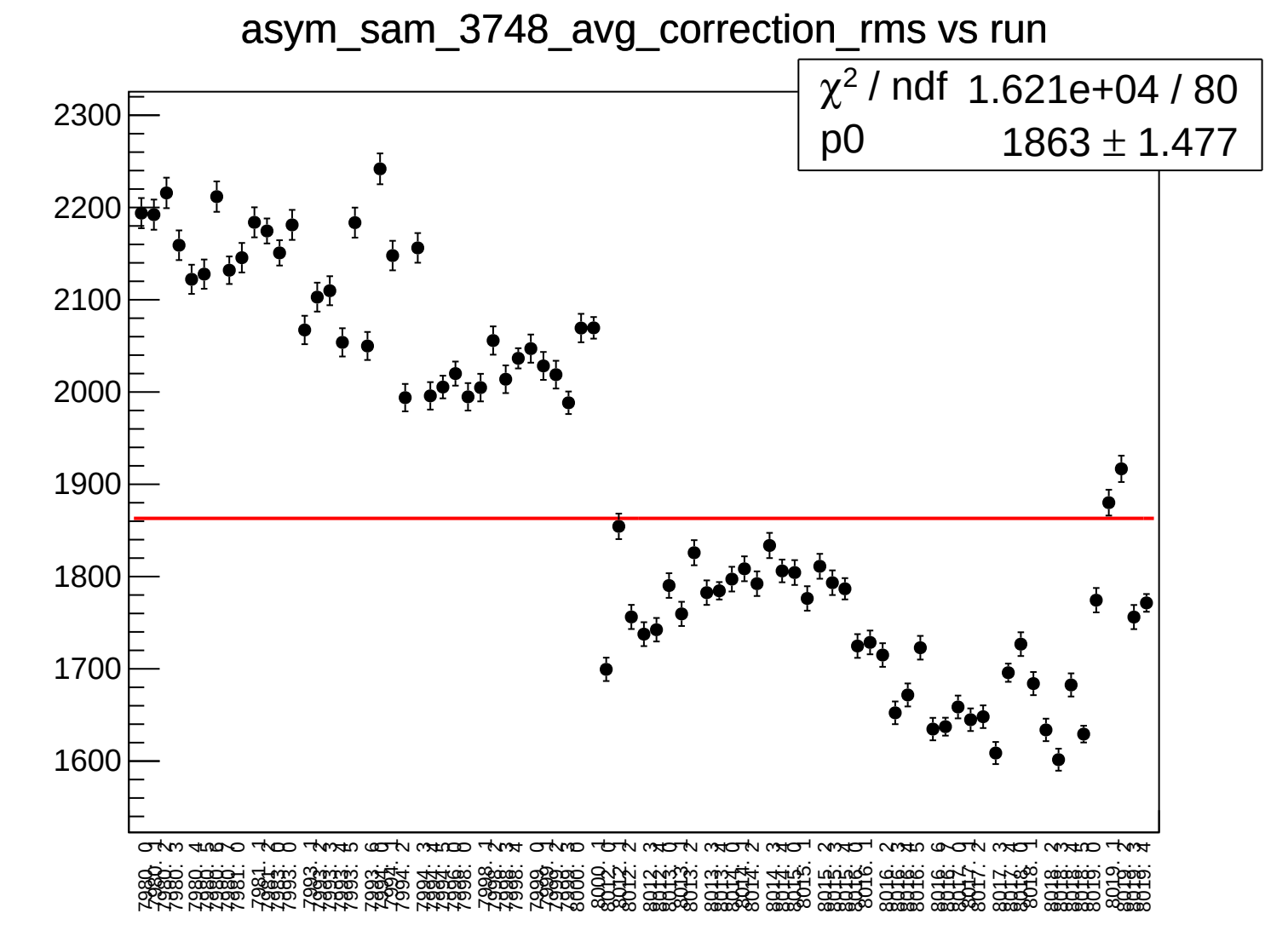

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 91.32 / 80
p0 52.18 ± 214.5
pull
Entries 81
Mean −23.2
Std Dev 78.29

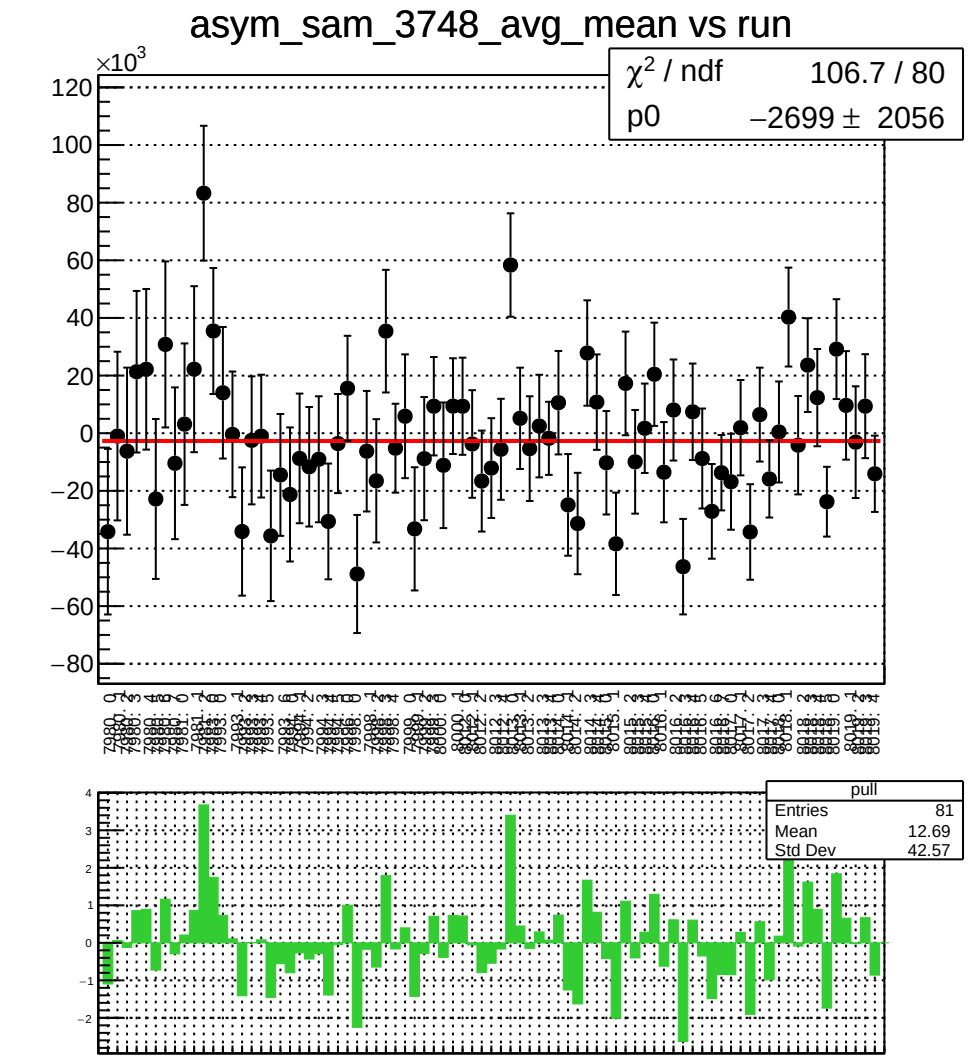

pull1D
Entries 81
Mean 0.0212
Std Dev 1.062

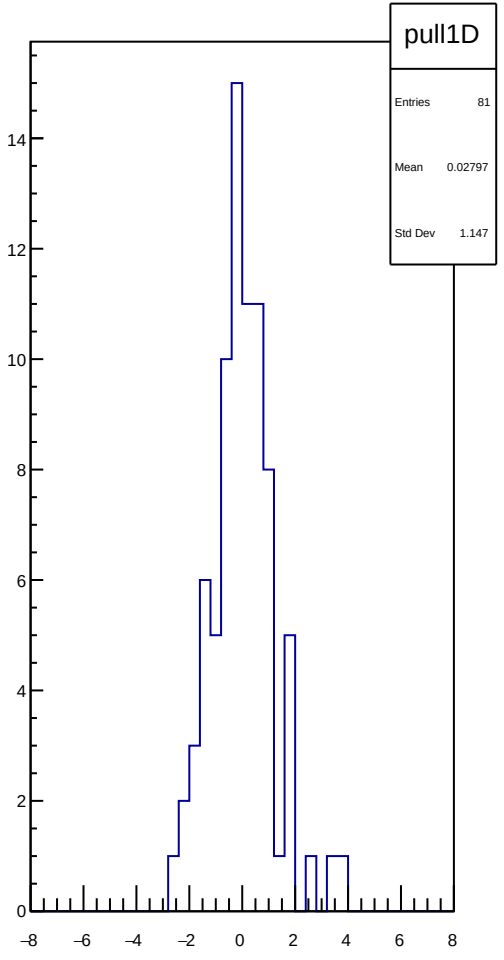

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.22e+05 / 80
p0 184.9 ± 0.1517
600
500
400
300
200
100

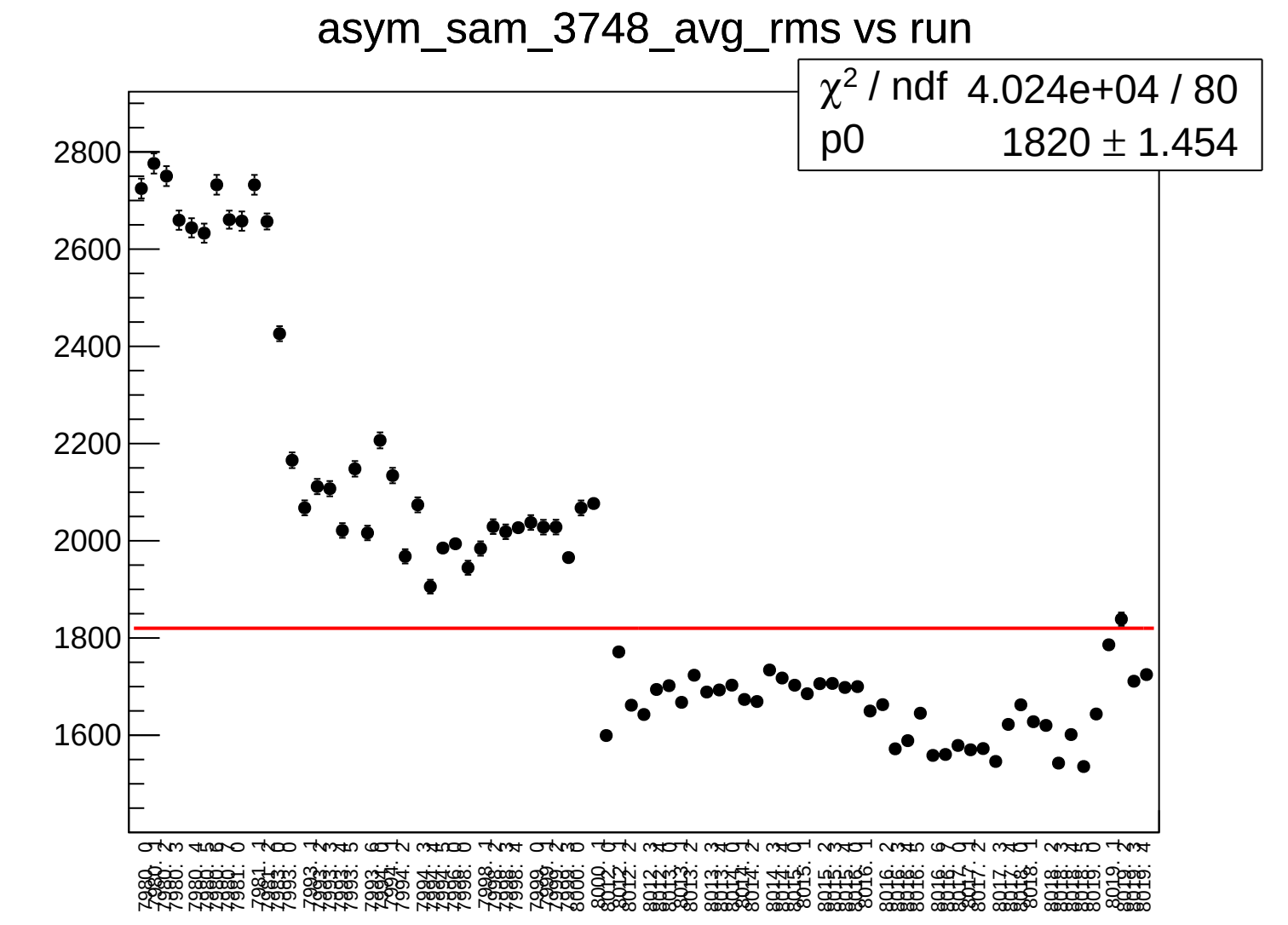

asym_sam_3748_avg_correction_mean vs run
×10^3
χ^2 / ndf 106 / 80
p0 2187 ± 2088
pull
Entries 81
Mean −61.19
Std Dev 63.94

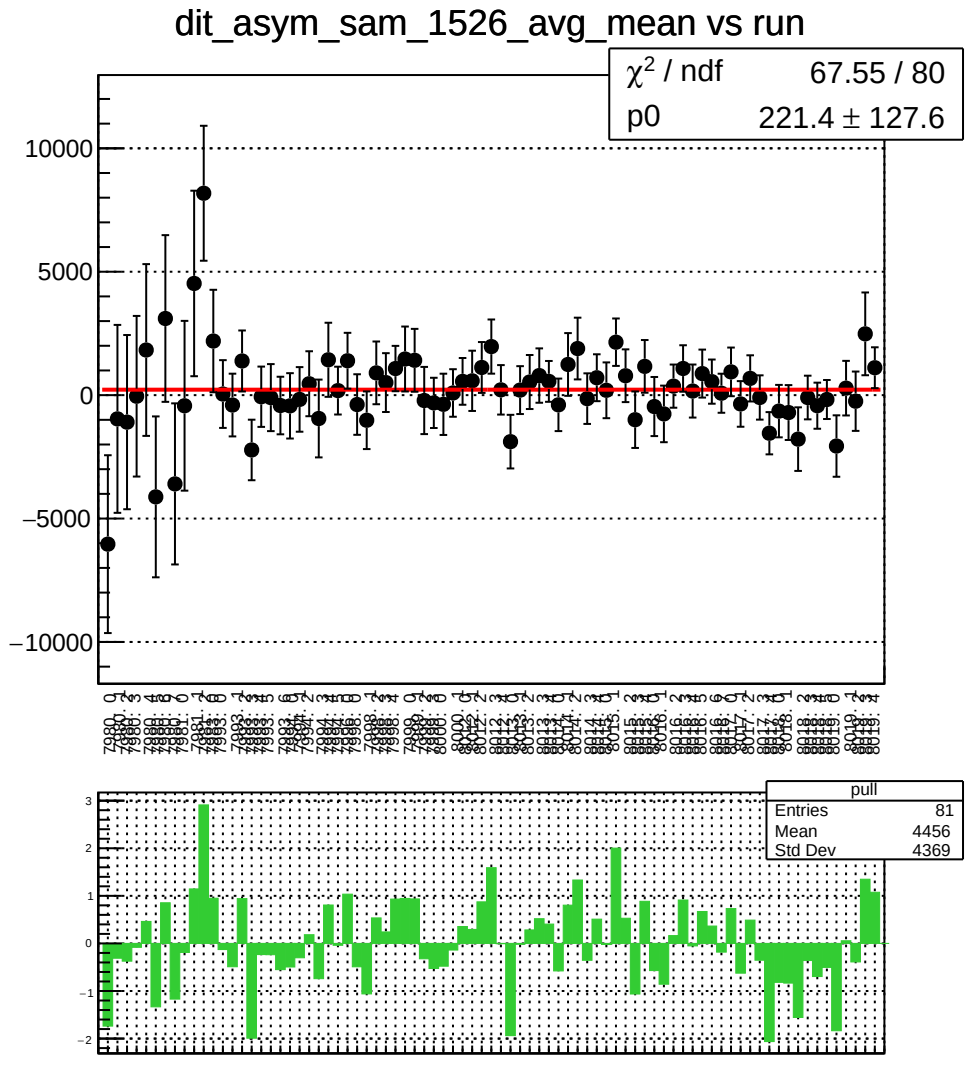

pull1D
Entries 81
Mean −0.01206
Std Dev 1.144

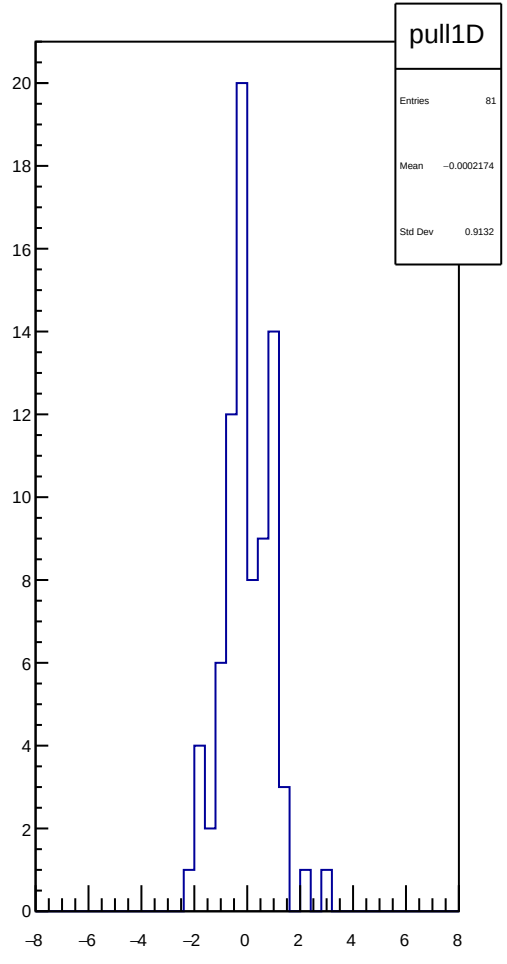

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.621e+04 / 80
p0 1863 ± 1.477
2300
2200
2100
2000
1900
1800
1700
1600

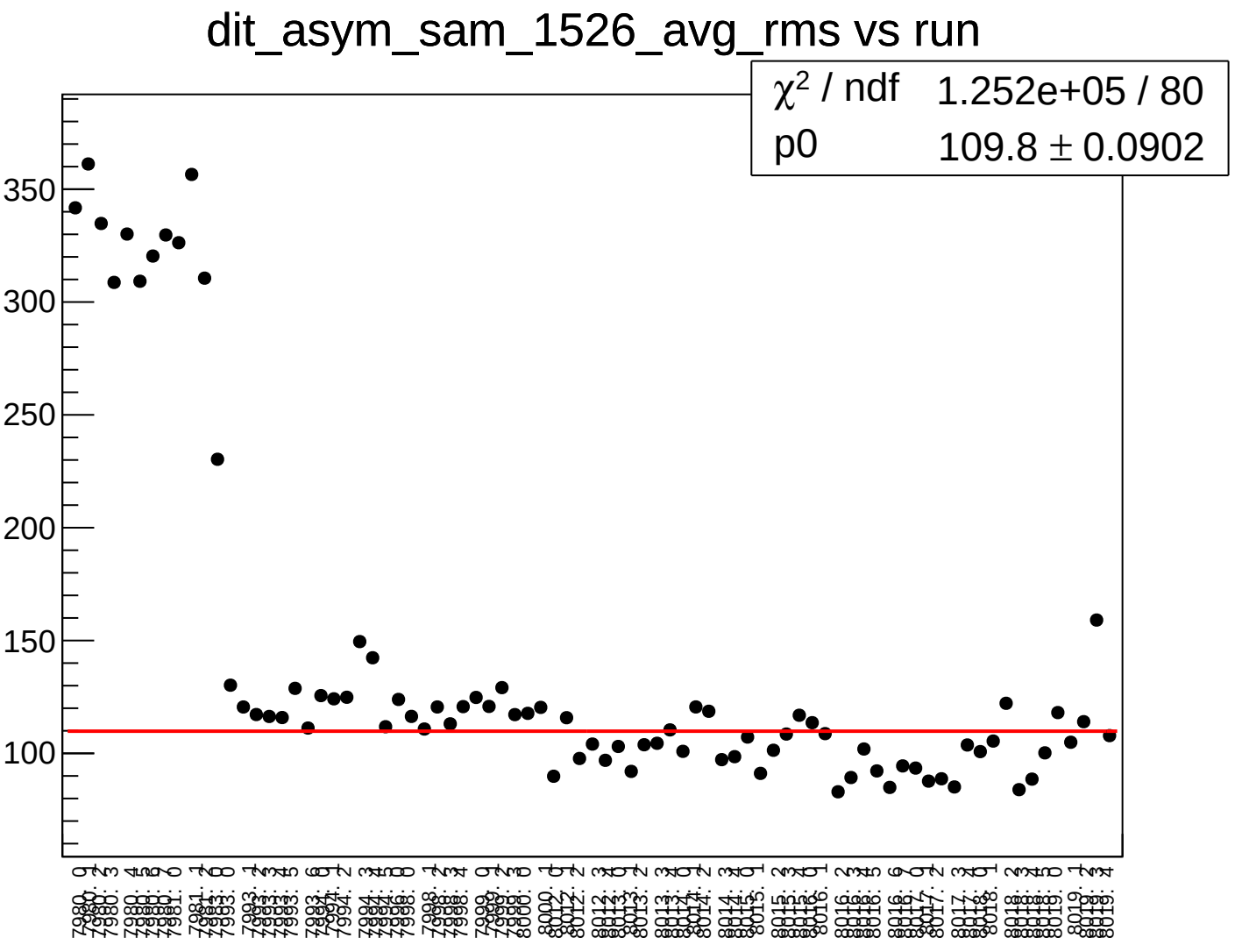

asym_sam_3748_avg_mean vs run
χ² / ndf 106.7 / 80
p0 −2699 ± 2056
pull
Entries 81
Mean 12.69
Std Dev 42.57

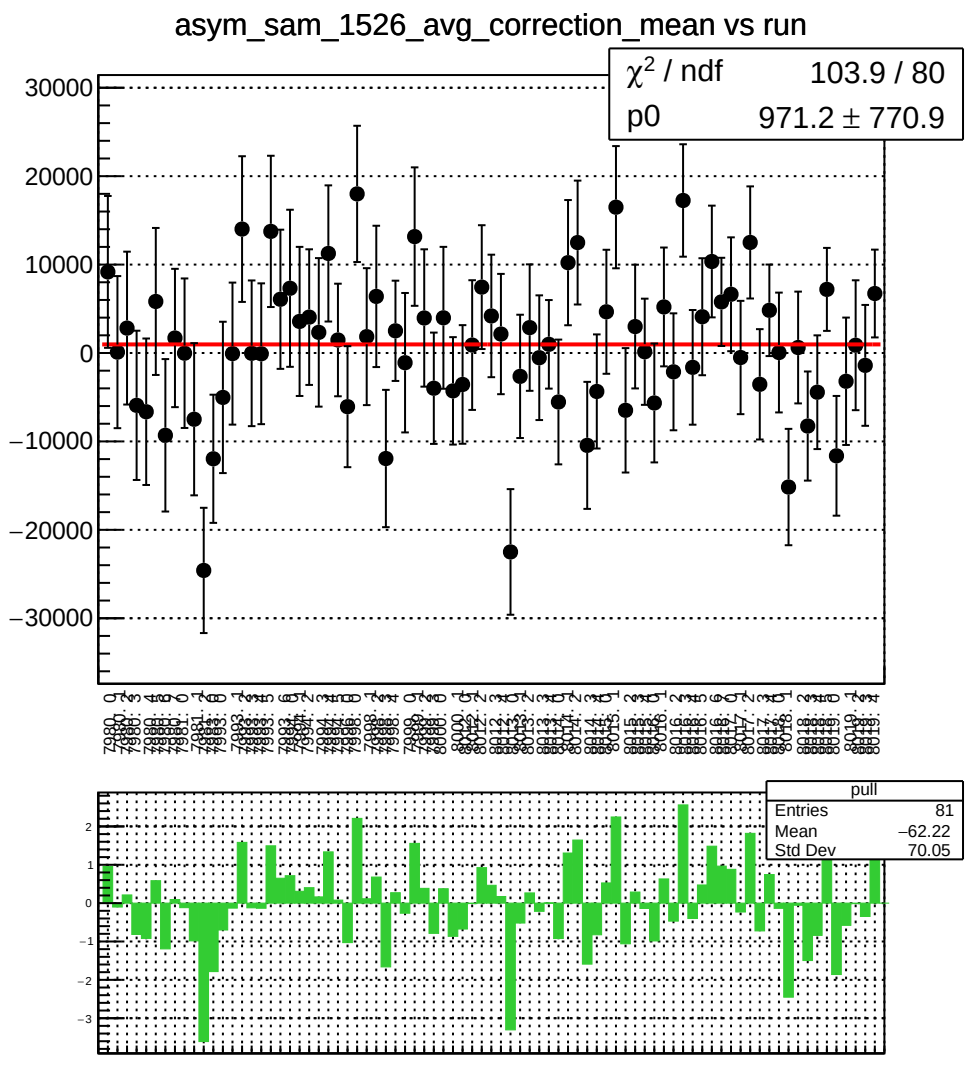

pull1D
Entries 81
Mean 0.02797
Std Dev 1.147

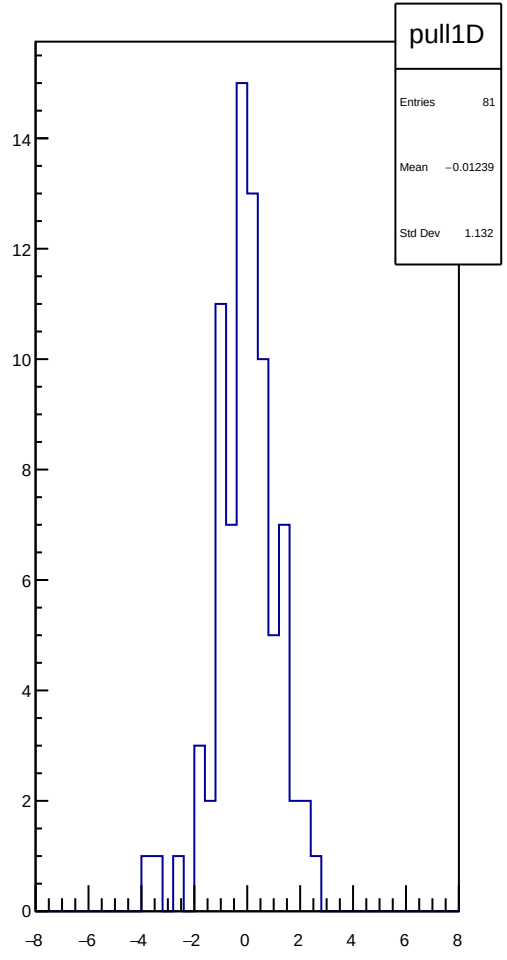

asym_sam_3748_avg_rms vs run
χ² / ndf 4.024e+04 / 80
p0 1820 ± 1.454
2800
2600
2400
2200
2000
1800
1600

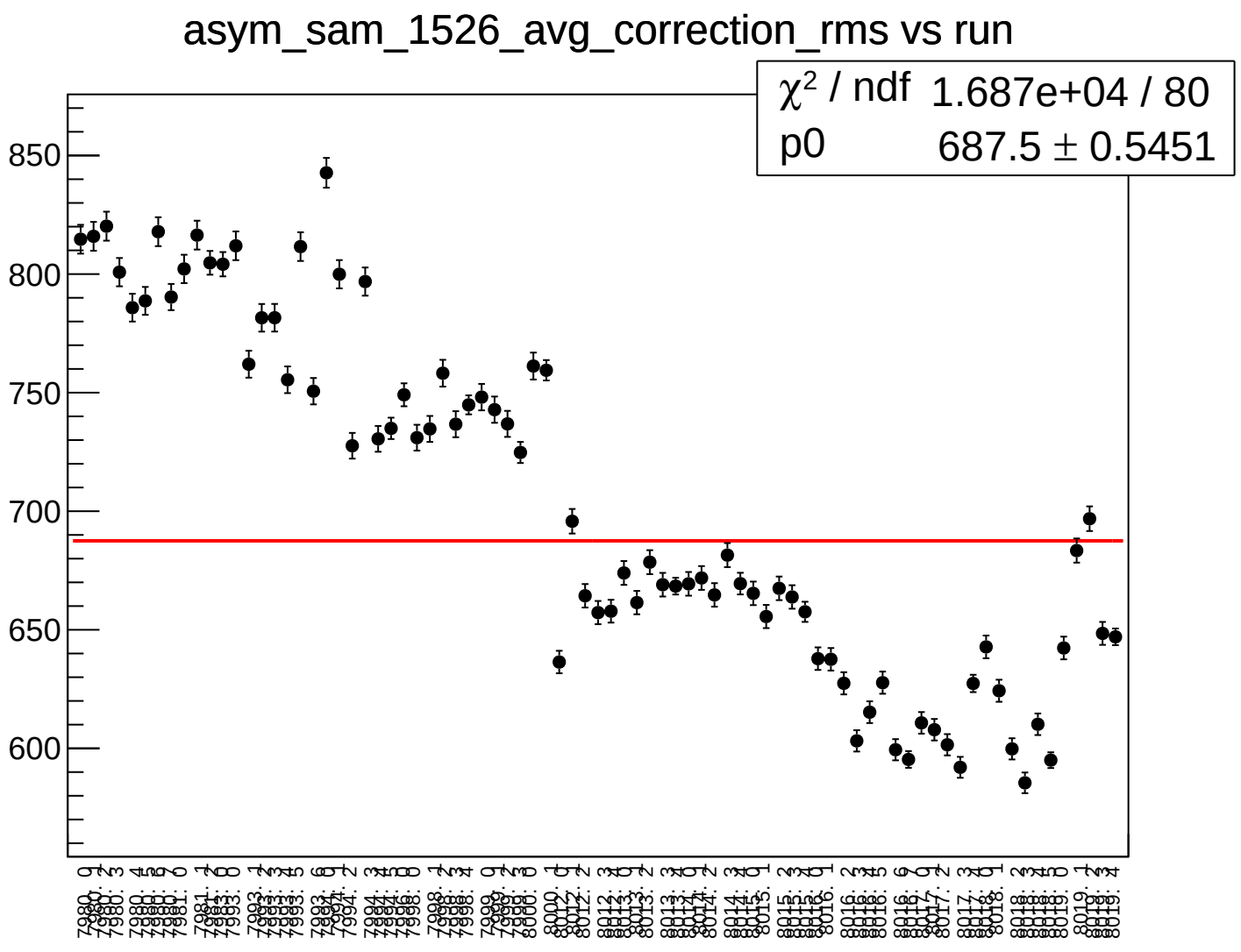

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 67.55 / 80
p0 221.4 ± 127.6
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 4456
Std Dev 4369
3
2
1
0
−1
−2

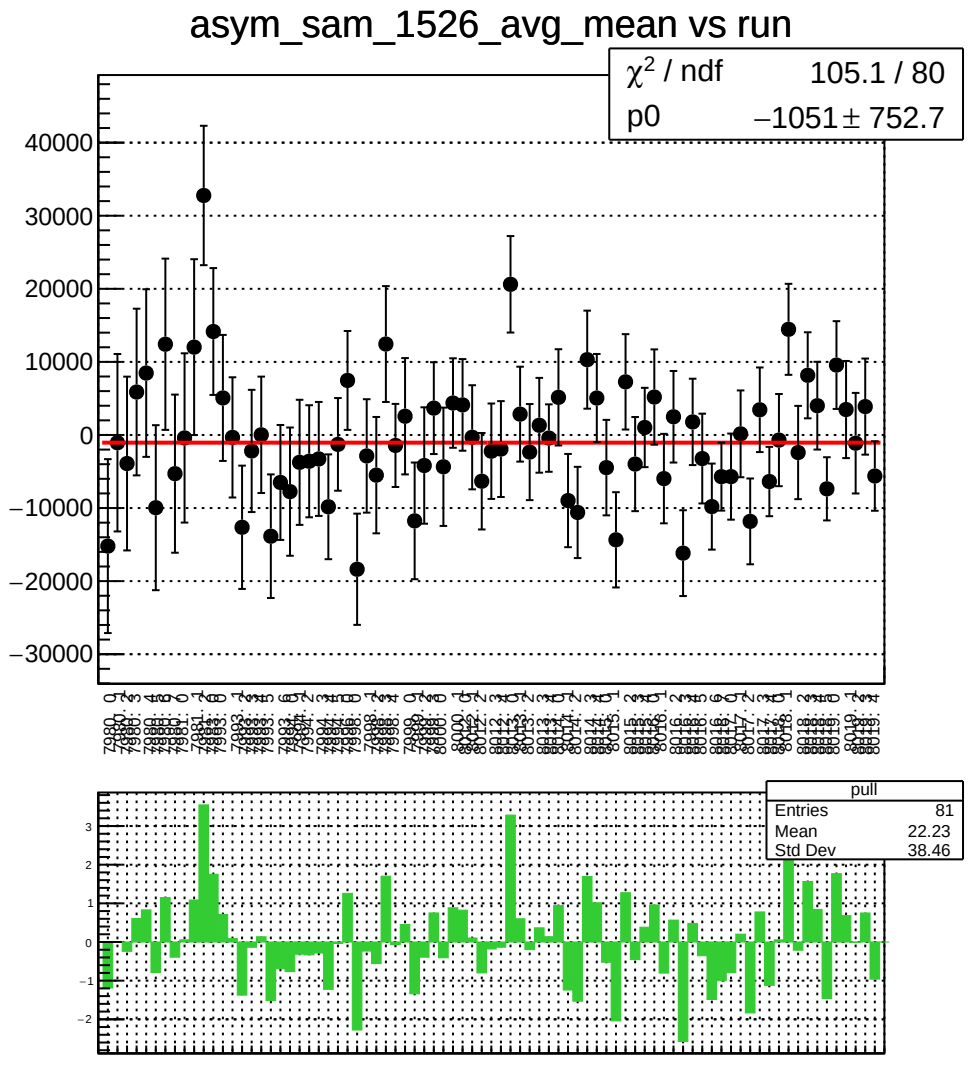

pull1D
Entries 81
Mean −0.0002174
Std Dev 0.9132
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

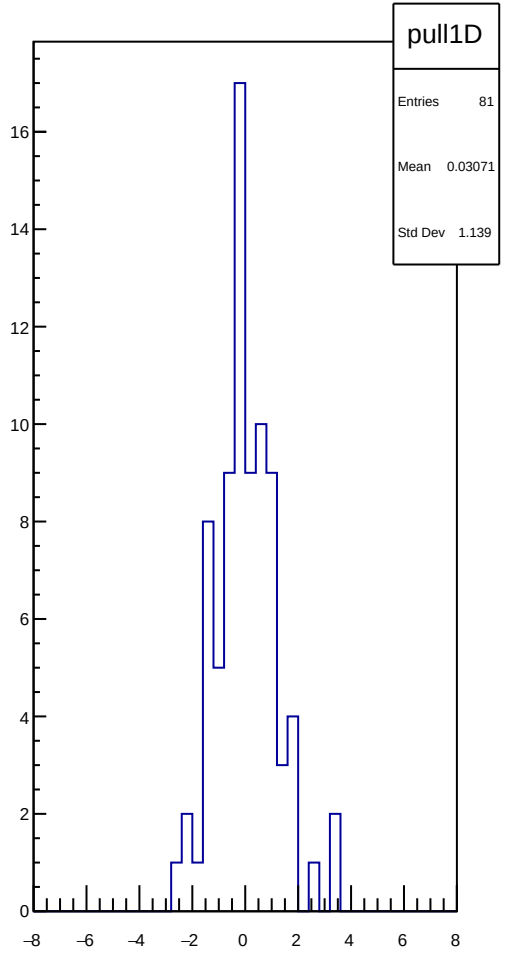

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.252e+05 / 80
p0 109.8 ± 0.0902
350
300
250
200
150
100

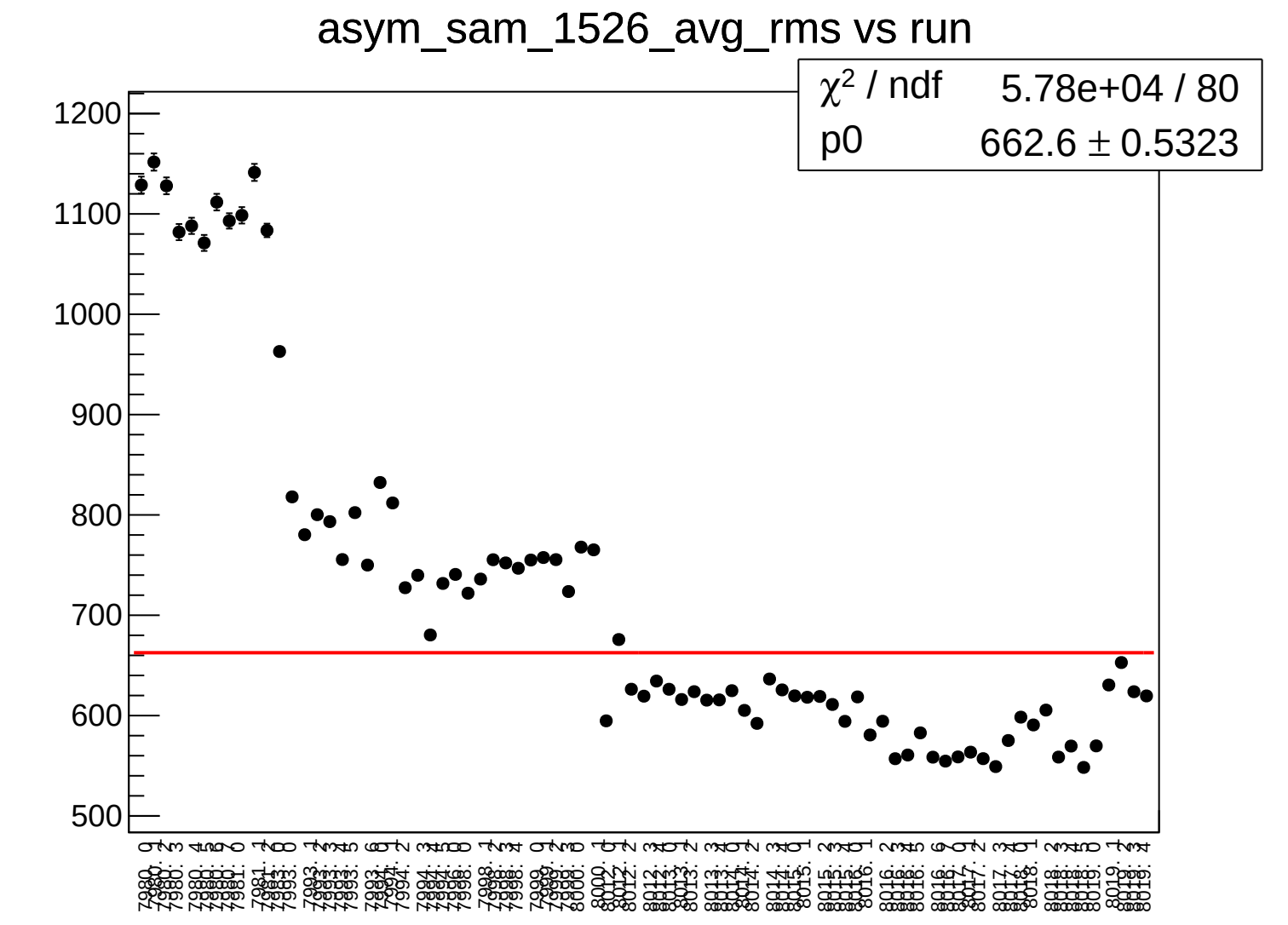

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 103.9 / 80
p0 971.2 ± 770.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −62.22
Std Dev 70.05
2
1
0
−1
−2
−3

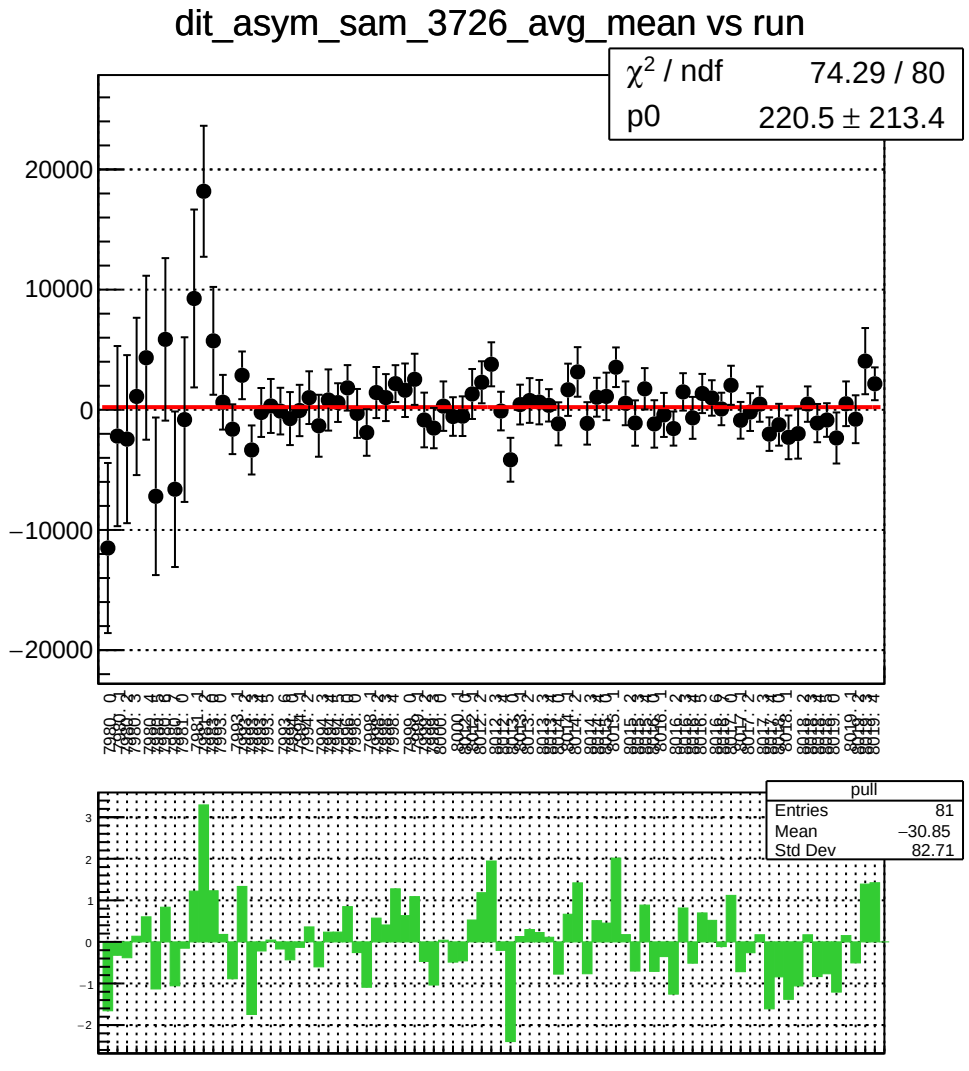

pull1D
Entries 81
Mean −0.01239
Std Dev 1.132
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

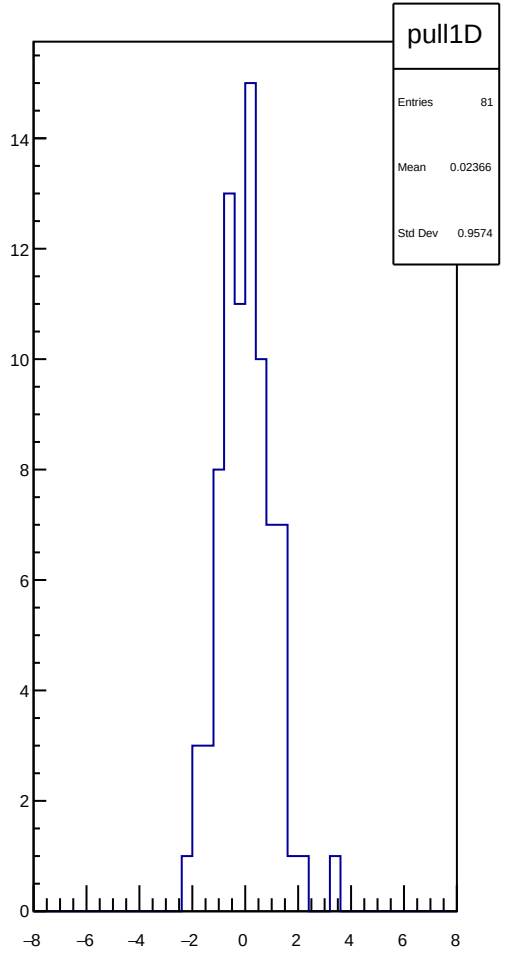

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.687e+04 / 80
p0 687.5 ± 0.5451
850
800
750
700
650
600

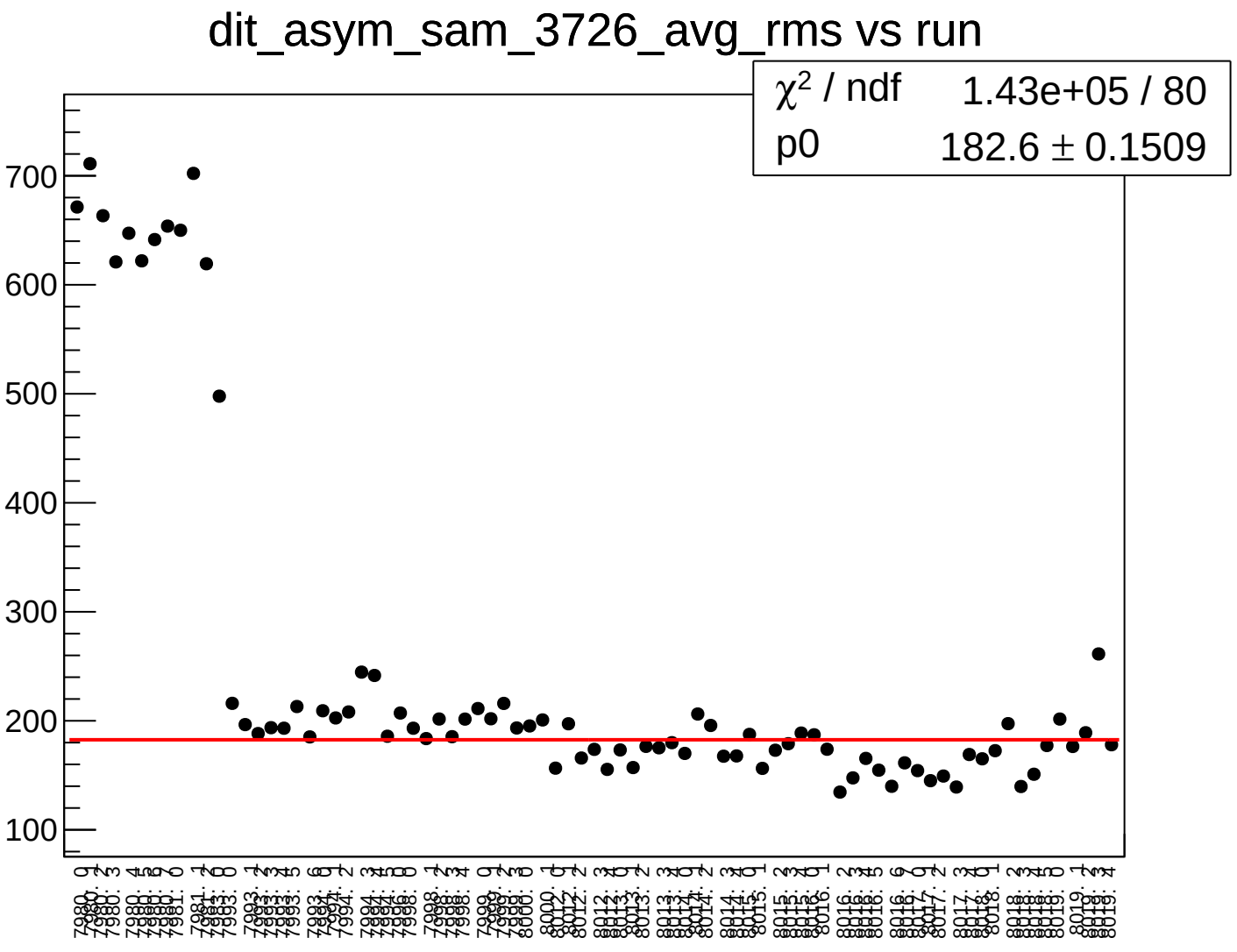

asym_sam_1526_avg_mean vs run
χ² / ndf 105.1 / 80
p0 −1051 ± 752.7
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 22.23
Std Dev 38.46
3
2
1
0
−1
−2

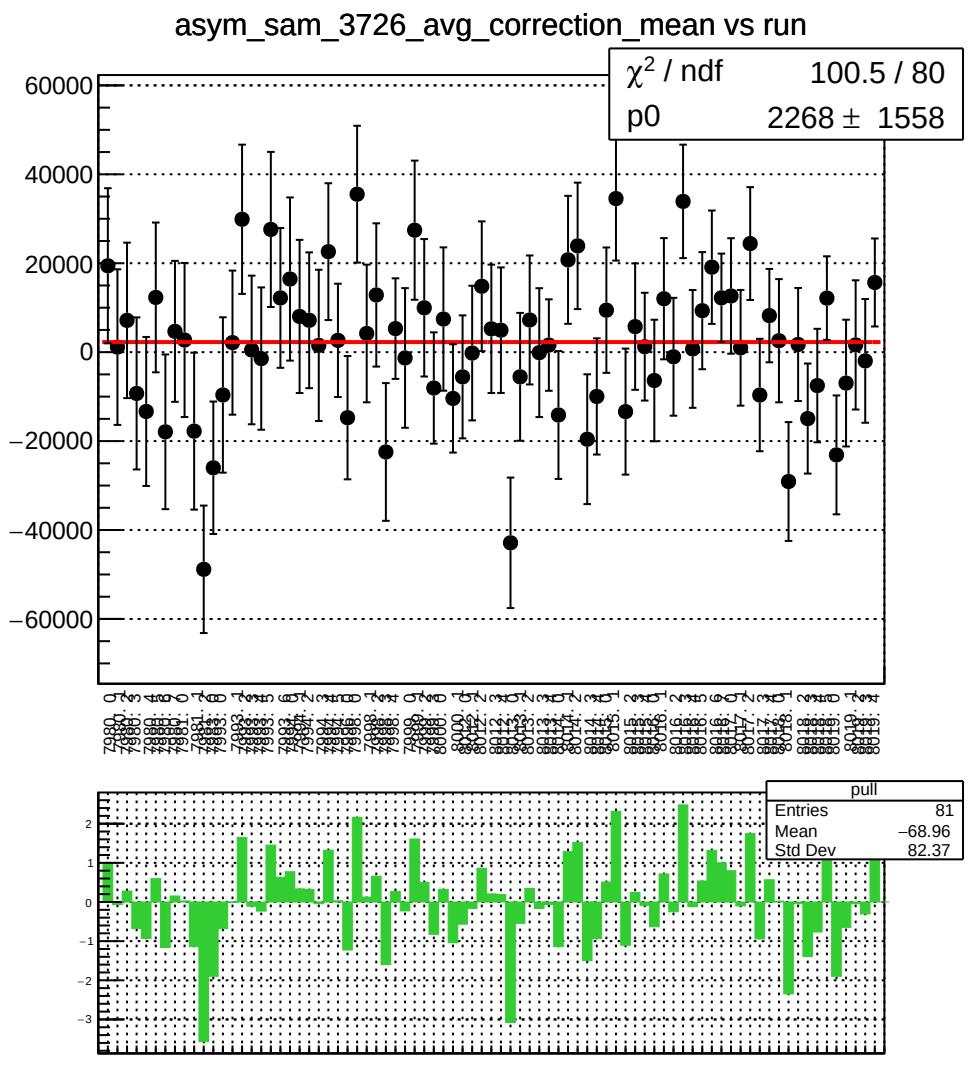

pull1D
Entries 81
Mean 0.03071
Std Dev 1.139
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

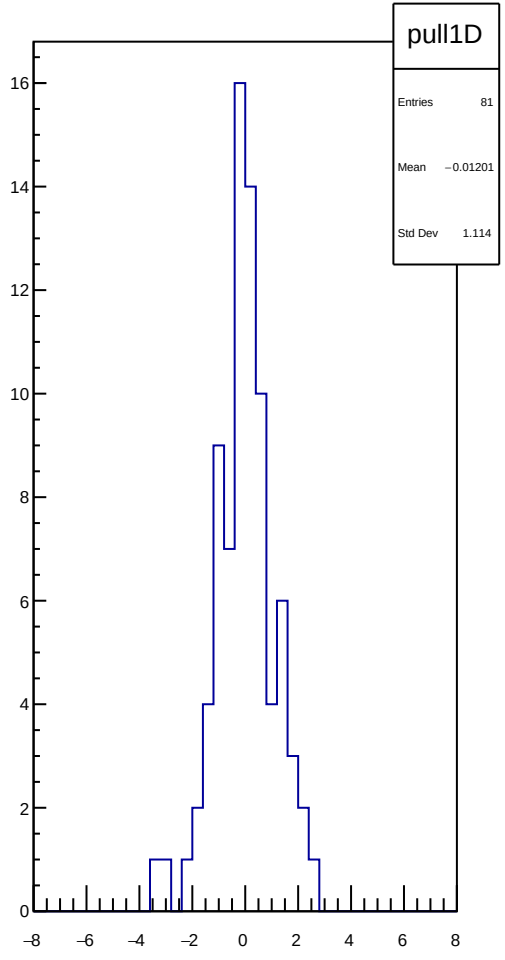

asym_sam_1526_avg_rms vs run
χ² / ndf 5.78e+04 / 80
p0 662.6 ± 0.5323
1200
1100
1000
900
800
700
600
500

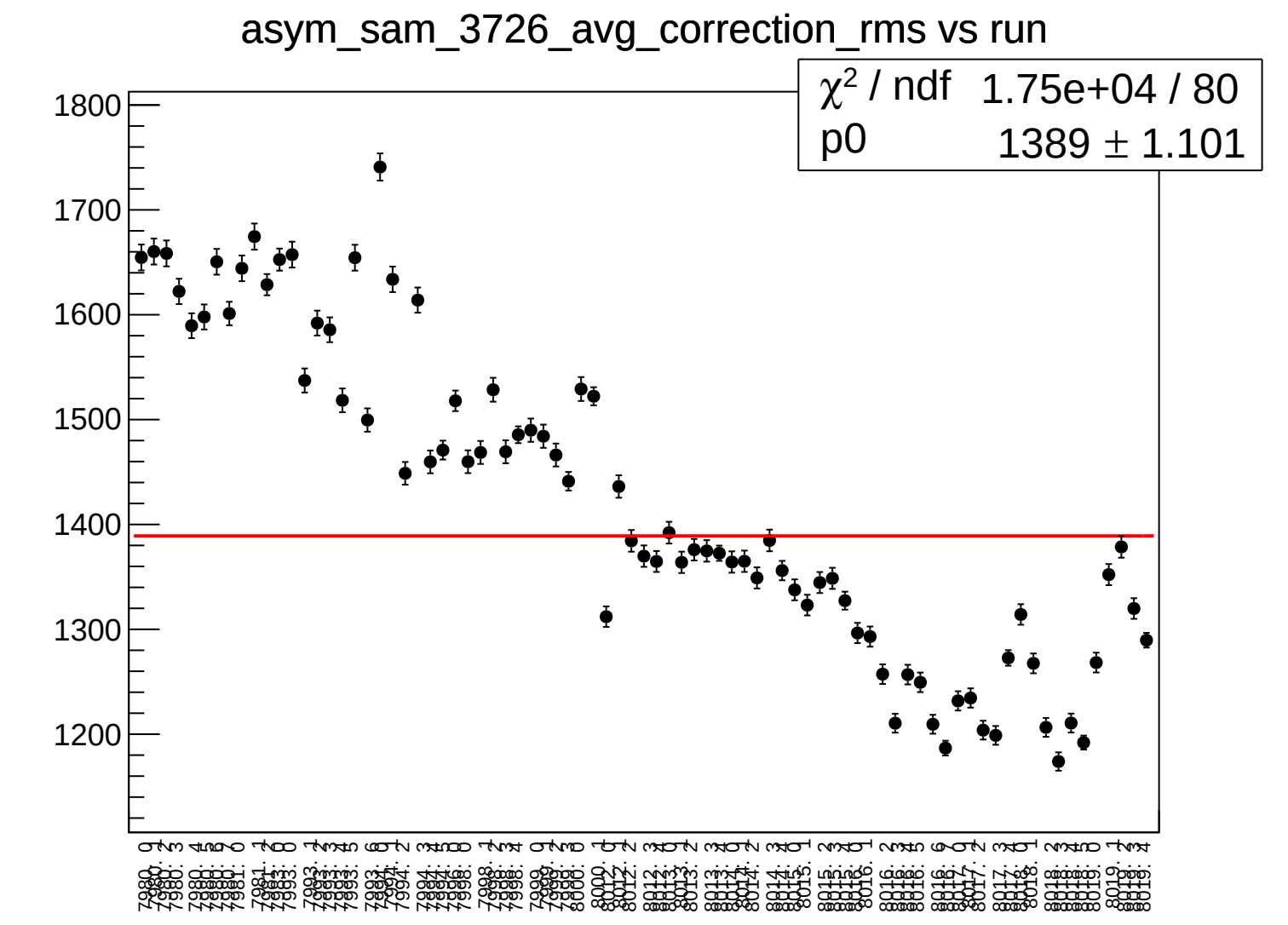

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 74.29 / 80
p0 220.5 ± 213.4
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −30.85
Std Dev 82.71
3
2
1
0
−1
−2

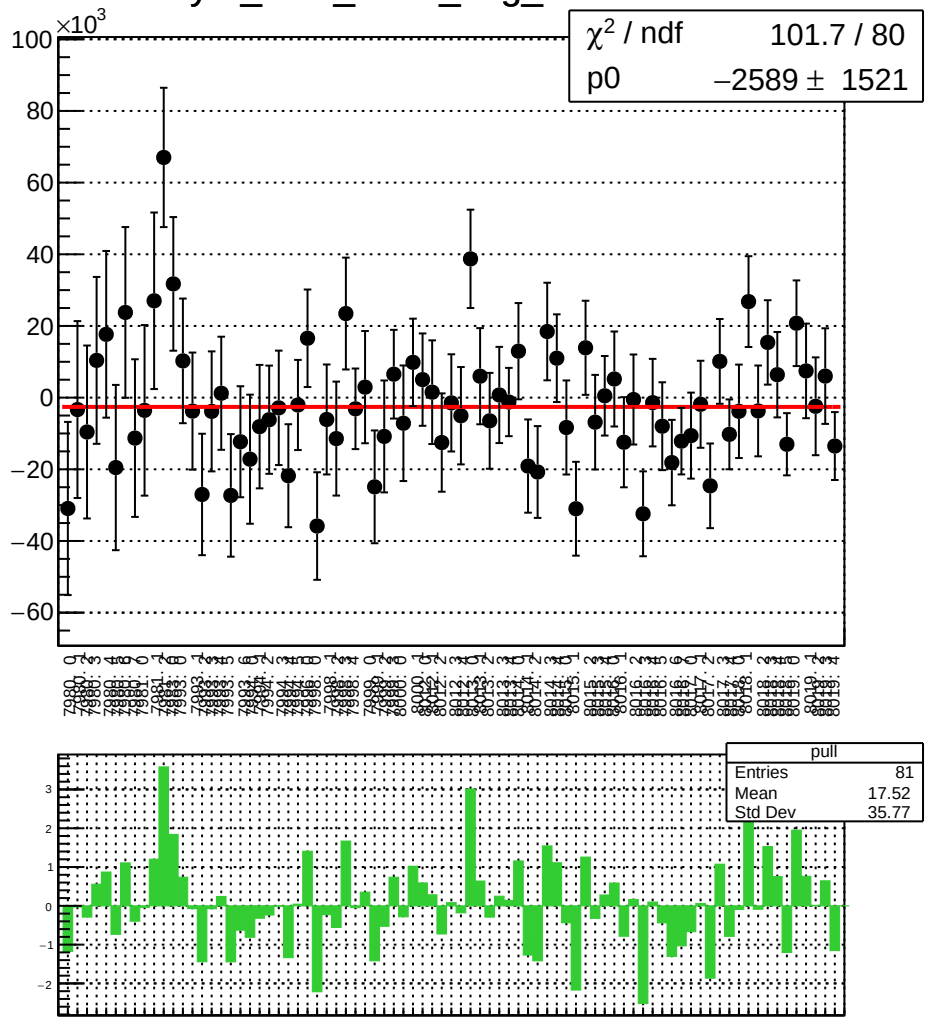

pull1D
Entries 81
Mean 0.02366
Std Dev 0.9574
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

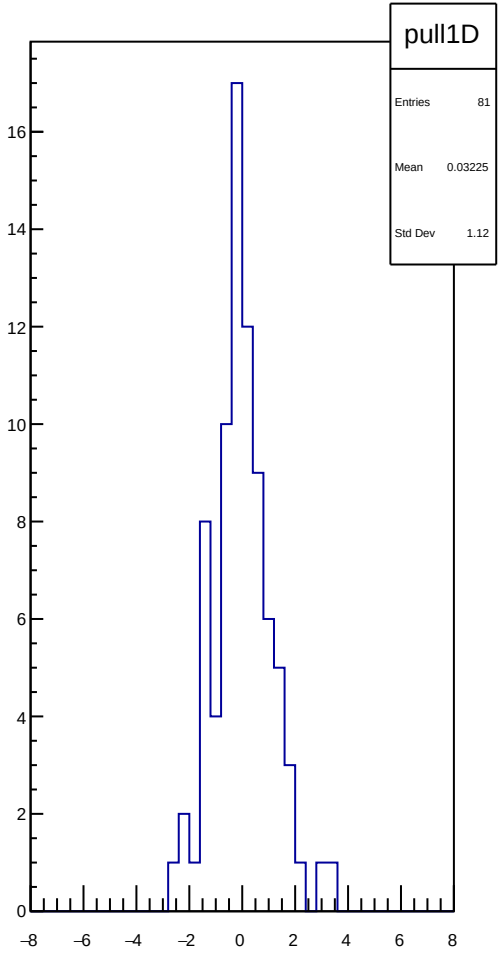

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.43e+05 / 80
p0 182.6 ± 0.1509
700
600
500
400
300
200
100

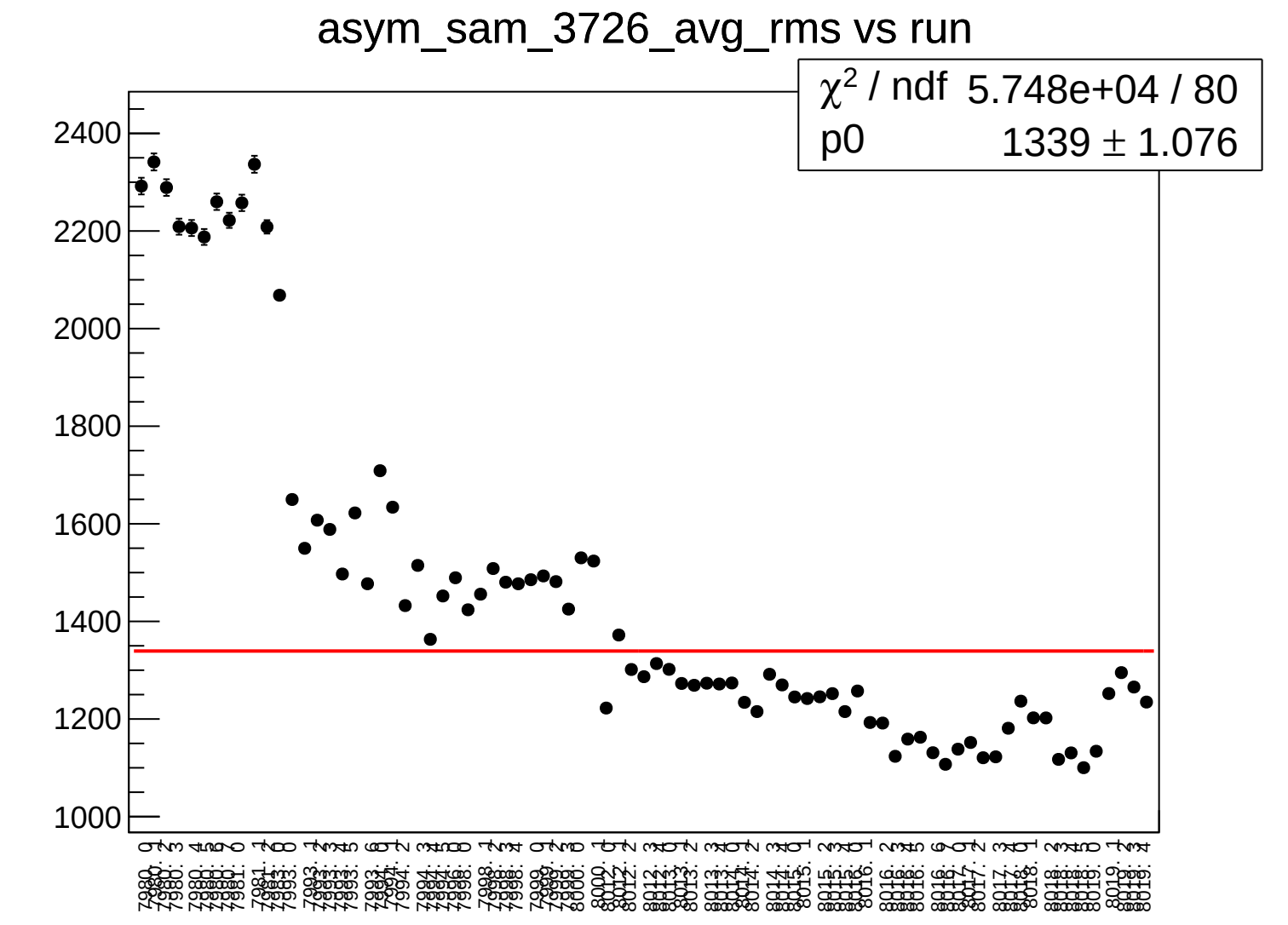

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 100.5 / 80
p0 2268 ± 1558
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −68.96
Std Dev 82.37
2
1
0
−1
−2
−3

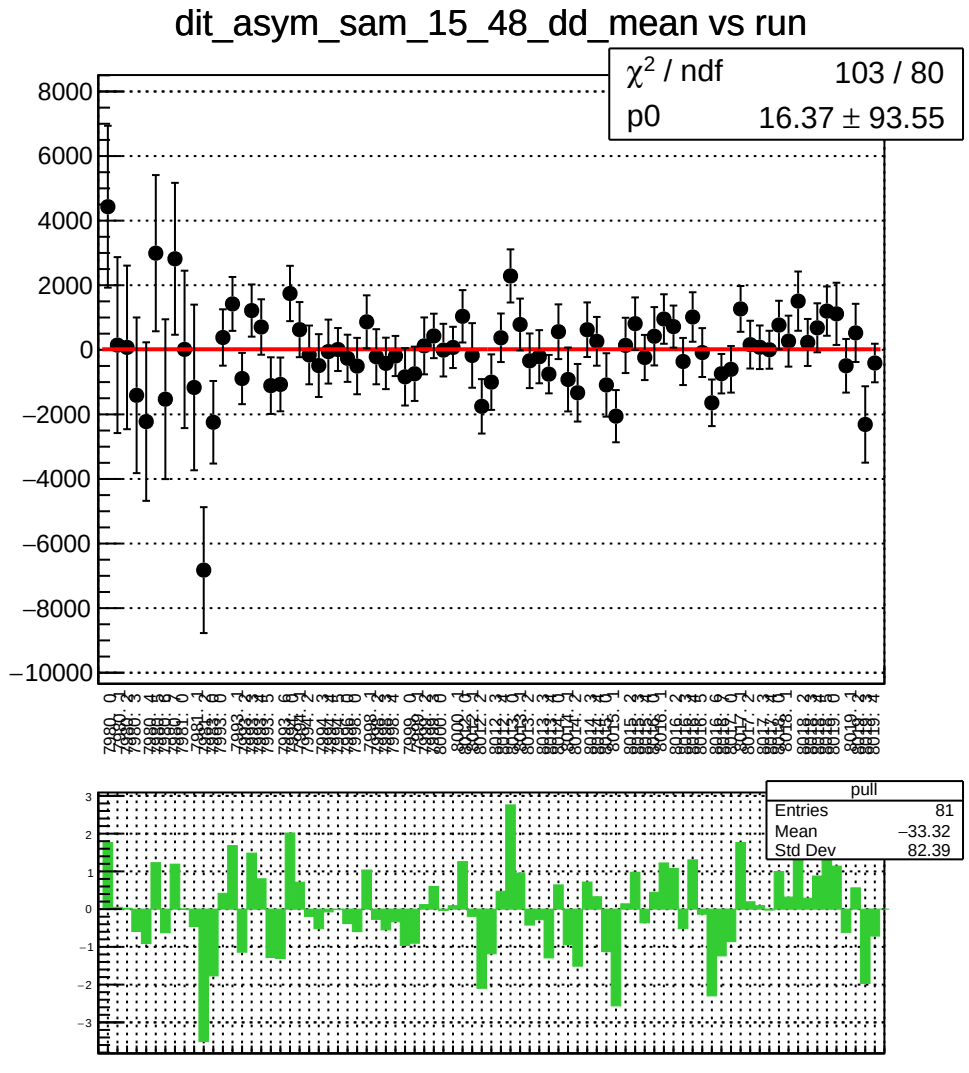

pull1D
Entries 81
Mean −0.01201
Std Dev 1.114
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

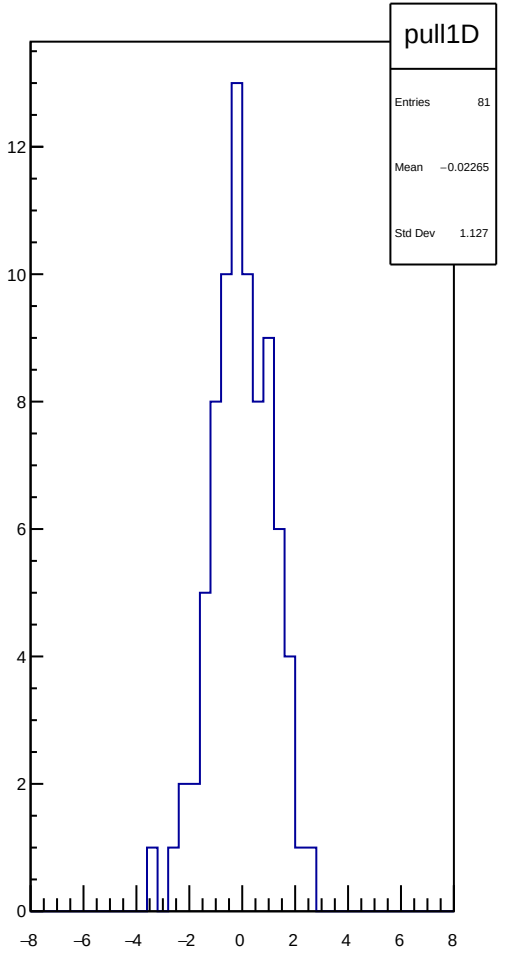

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.75e+04 / 80
p0 1389 ± 1.101
1800
1700
1600
1500
1400
1300
1200

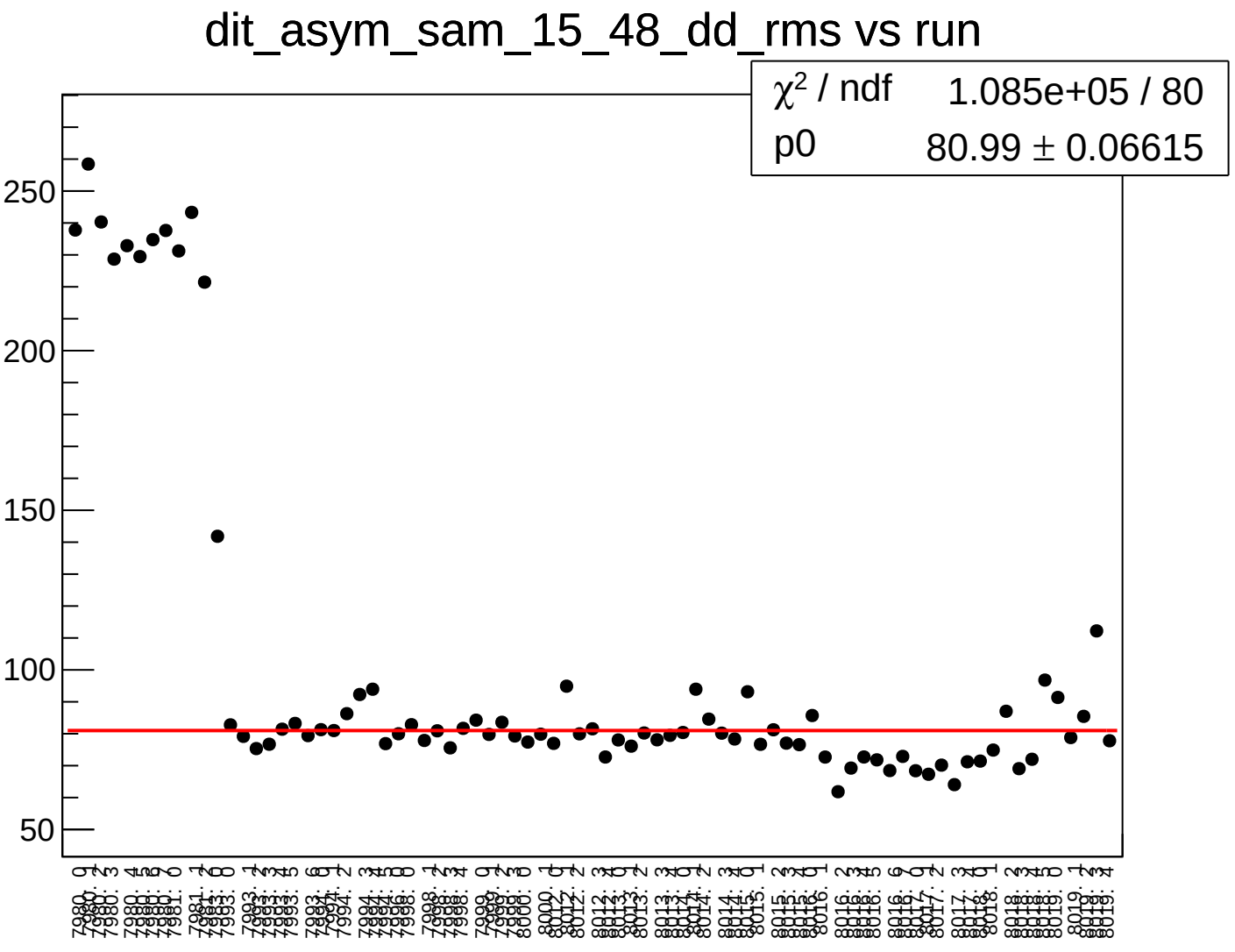

asym_sam_3726_avg_mean vs run
χ² / ndf 101.7 / 80
p0 −2589 ± 1521
pull
Entries 81
Mean 17.52
Std Dev 35.77

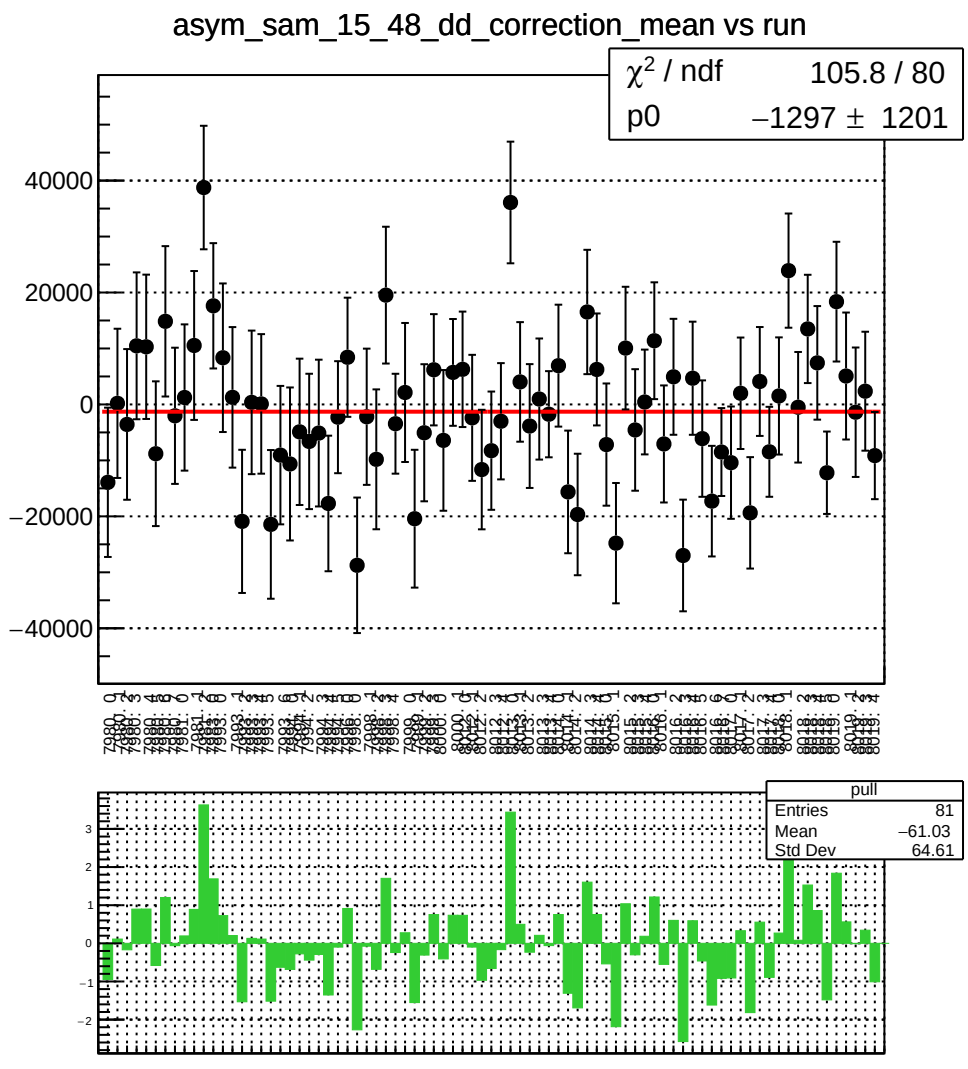

pull1D
Entries 81
Mean 0.03225
Std Dev 1.12

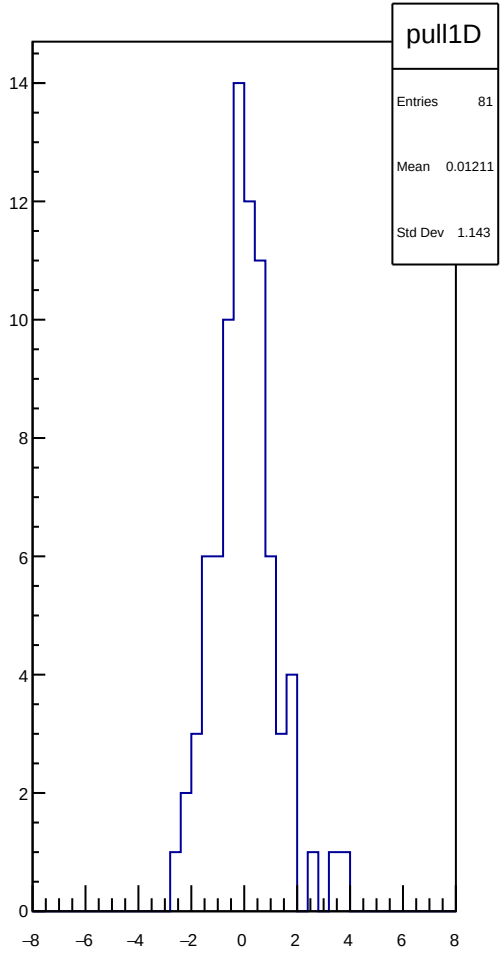

asym_sam_3726_avg_rms vs run
χ² / ndf 5.748e+04 / 80
p0 1339 ± 1.076
2400
2200
2000
1800
1600
1400
1200
1000

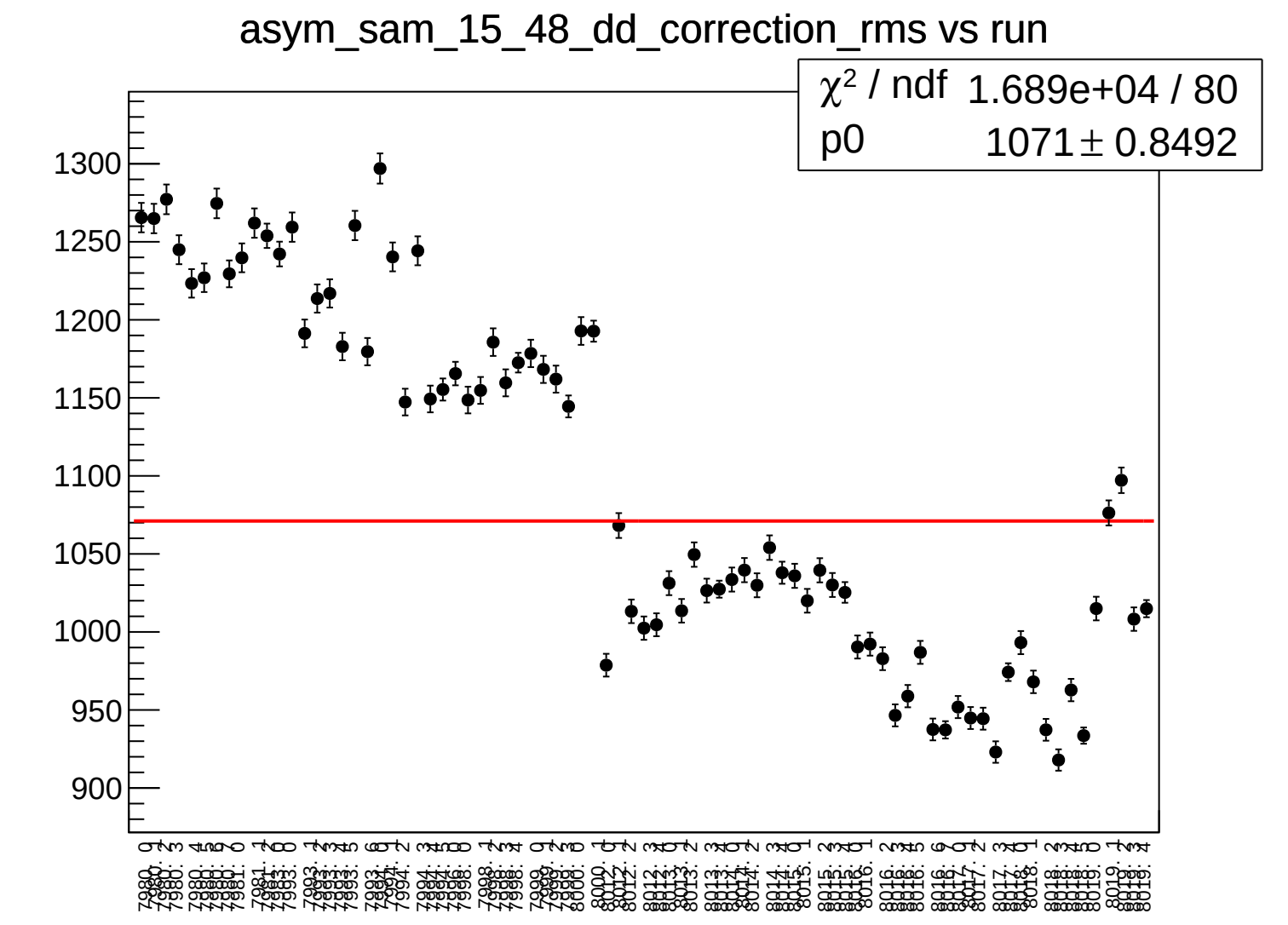

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 103 / 80
p0 16.37 ± 93.55
pull
Entries 81
Mean −33.32
Std Dev 82.39

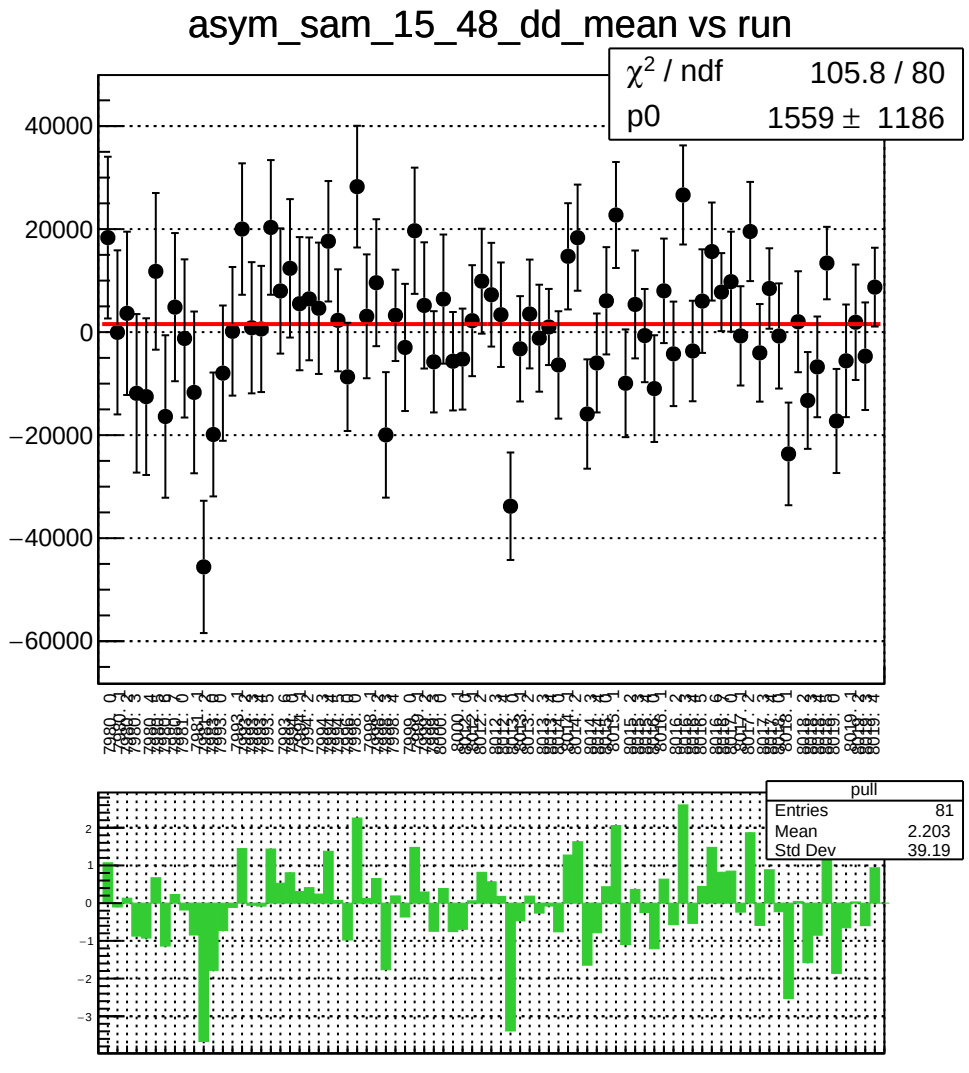

pull1D
Entries 81
Mean −0.02265
Std Dev 1.127

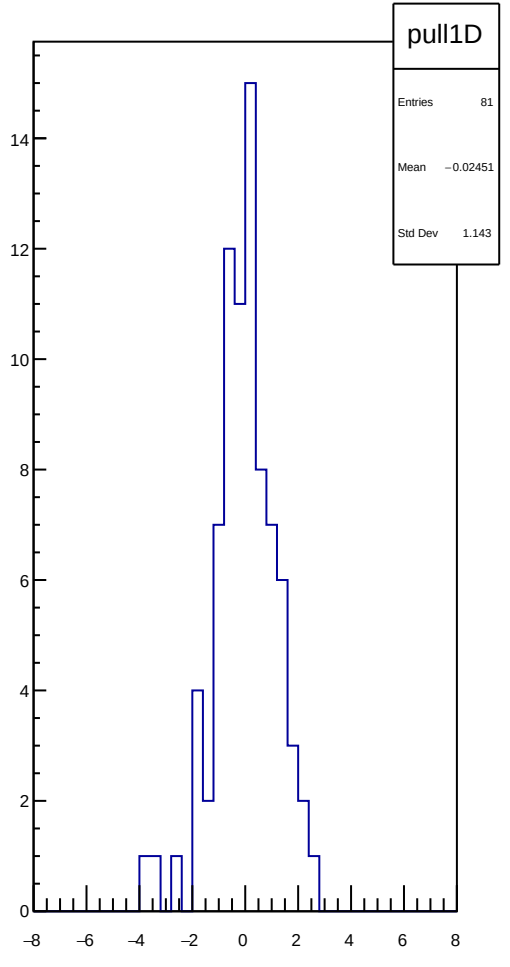

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.085e+05 / 80
p0 80.99 ± 0.06615
250
200
150
100
50

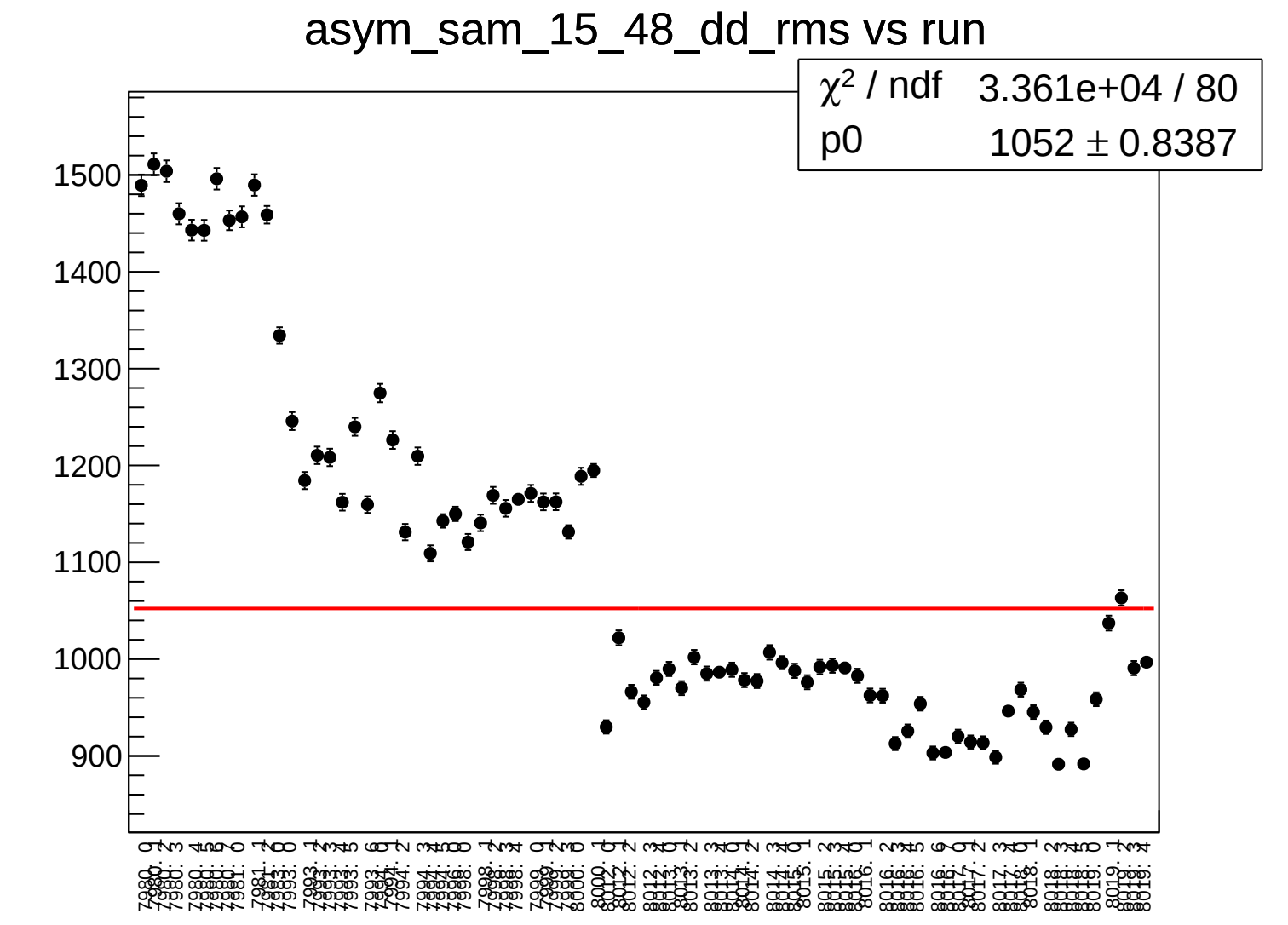

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 105.8 / 80
p0 −1297 ± 1201
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −61.03
Std Dev 64.61
3
2
1
0
−1
−2

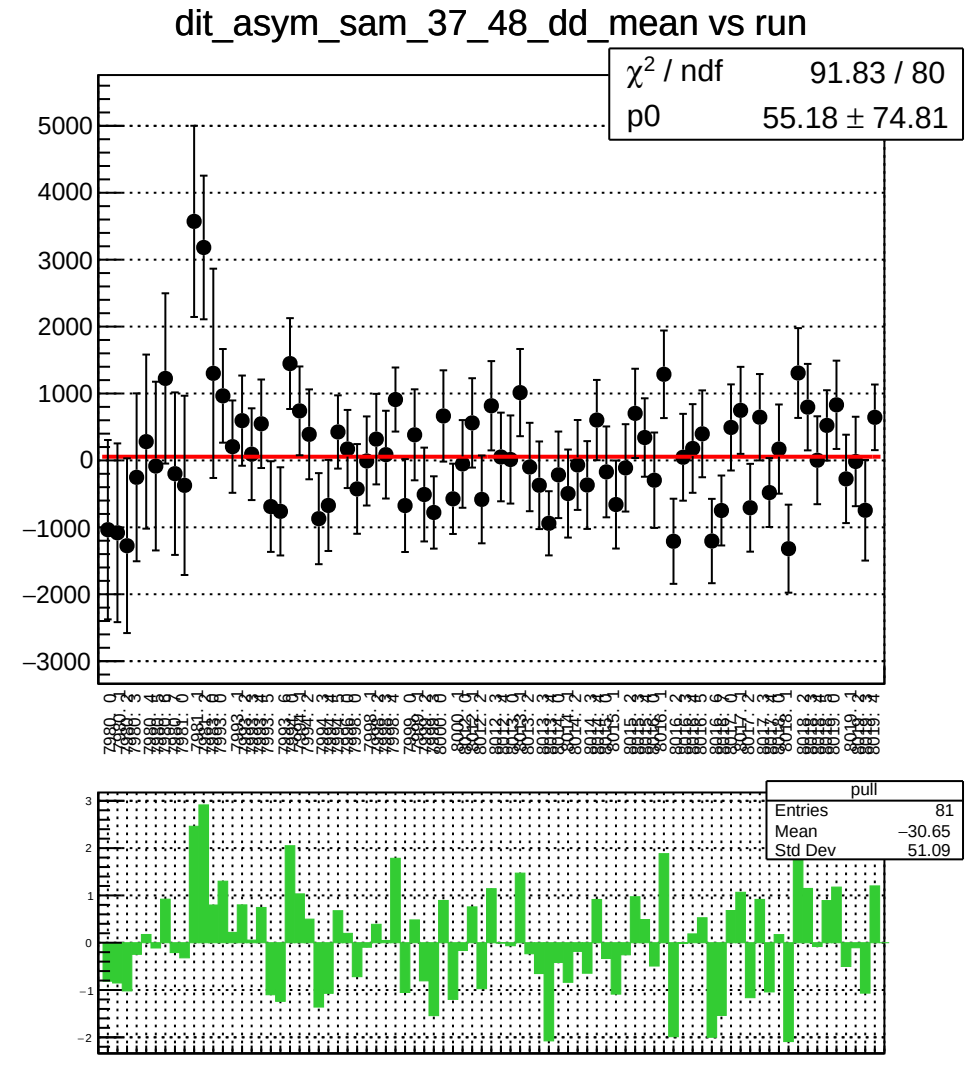

pull1D
Entries 81
Mean 0.01211
Std Dev 1.143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

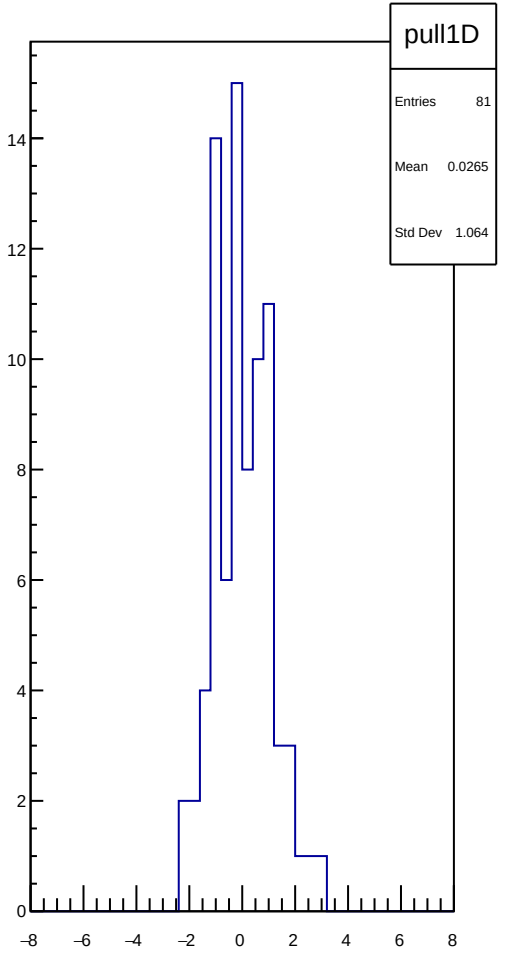

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.689e+04 / 80
p0 1071 ± 0.8492
1300
1250
1200
1150
1100
1050
1000
950
900

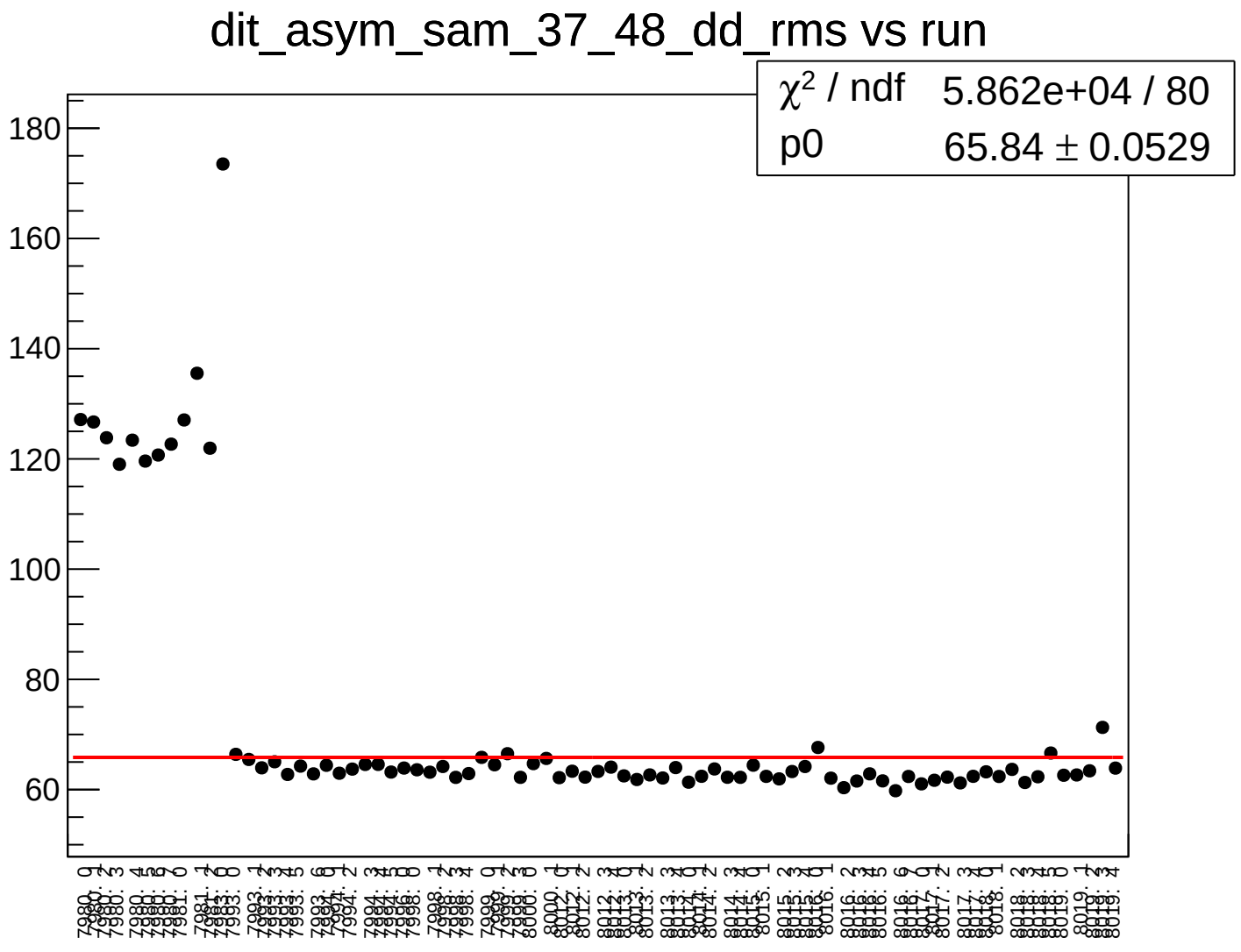

asym_sam_15_48_dd_mean vs run
χ² / ndf 105.8 / 80
p0 1559 ± 1186
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 2.203
Std Dev 39.19
2
1
0
−1
−2
−3

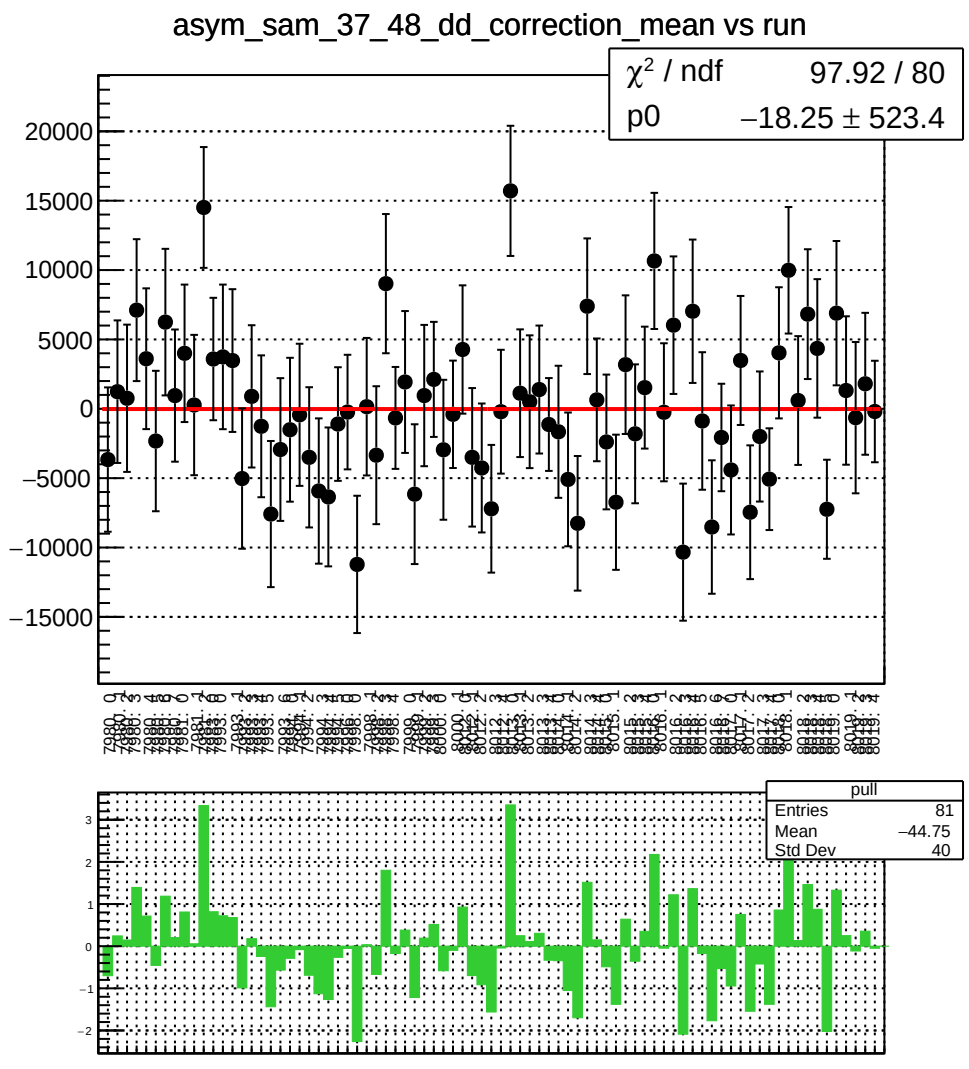

pull1D
Entries 81
Mean −0.02451
Std Dev 1.143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

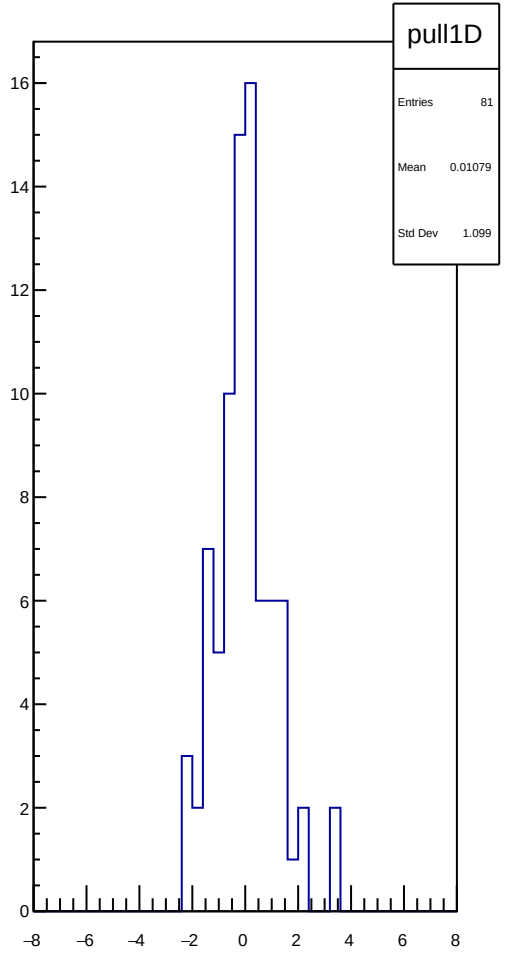

asym_sam_15_48_dd_rms vs run
χ² / ndf 3.361e+04 / 80
p0 1052 ± 0.8387
1500
1400
1300
1200
1100
1000
900

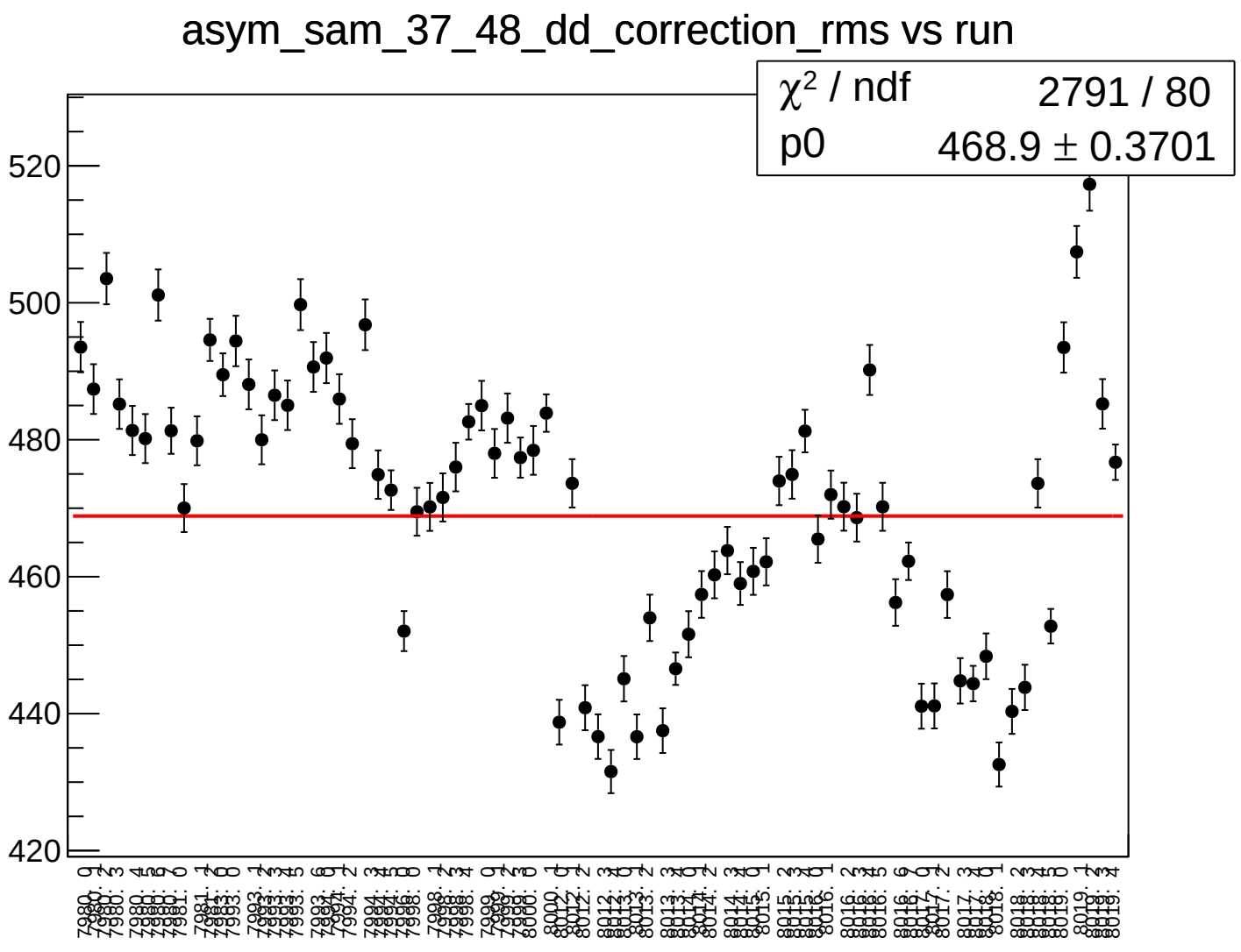

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 91.83 / 80
p0 55.18 ± 74.81
pull
Entries 81
Mean −30.65
Std Dev 51.09

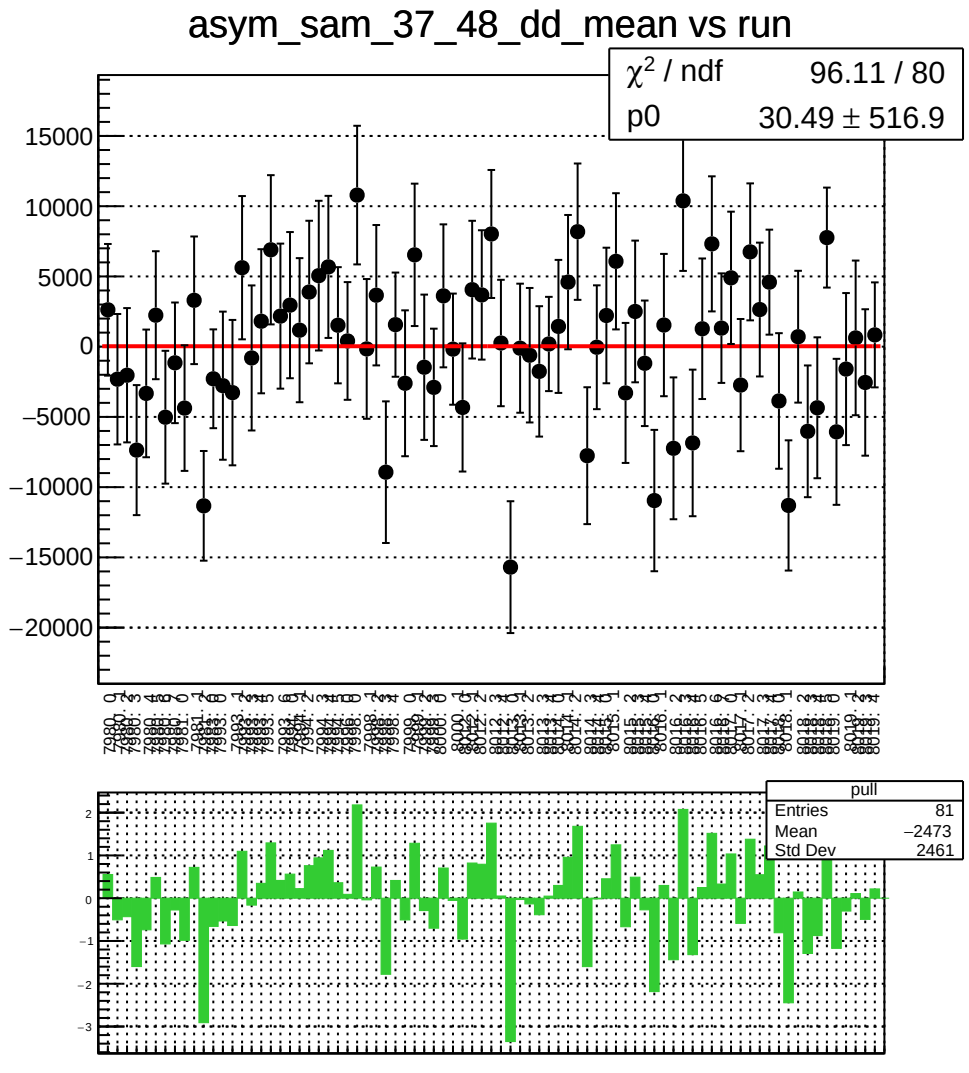

pull1D
Entries 81
Mean 0.0265
Std Dev 1.064

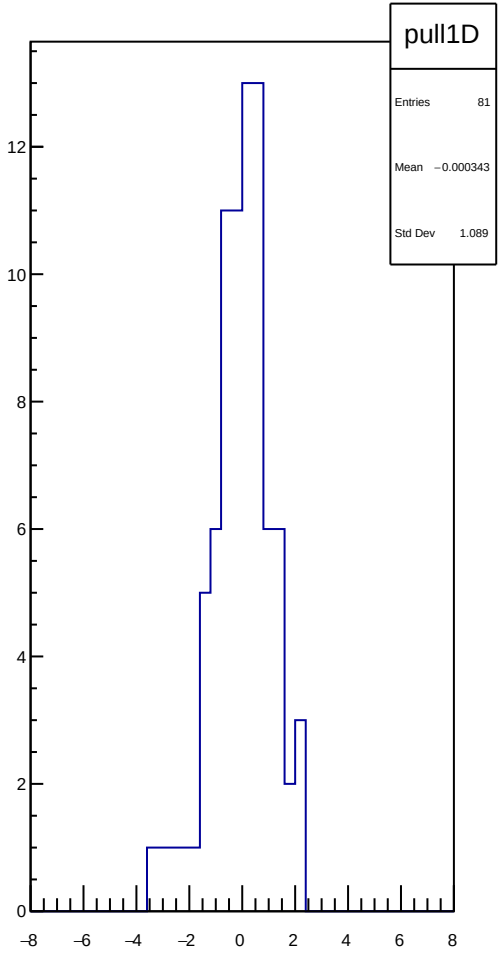

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 5.862e+04 / 80
p0 65.84 ± 0.0529
180
160
140
120
100
80
60

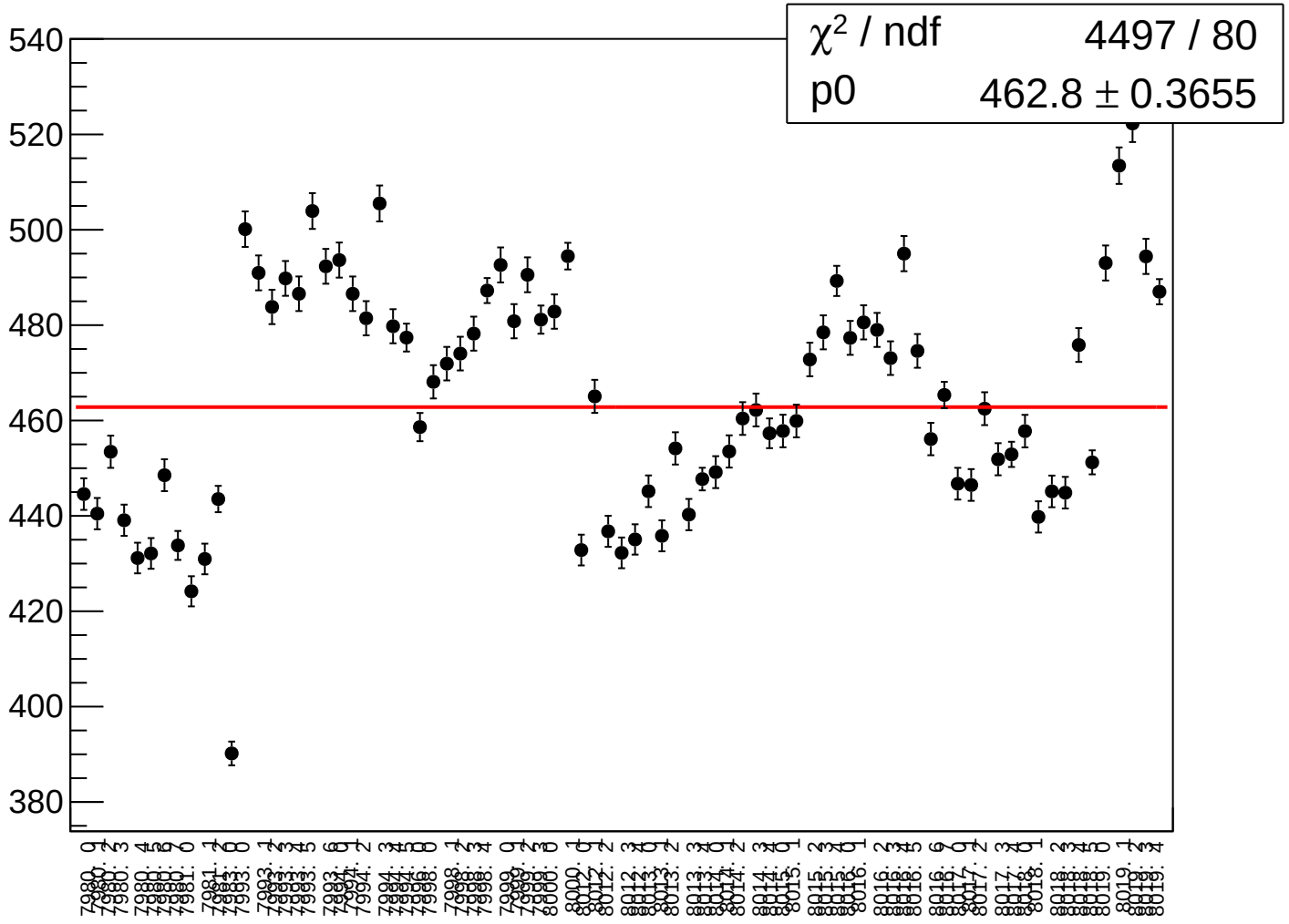

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 97.92 / 80
p0 −18.25 ± 523.4
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −44.75
Std Dev 40
3
2
1
0
−1
−2

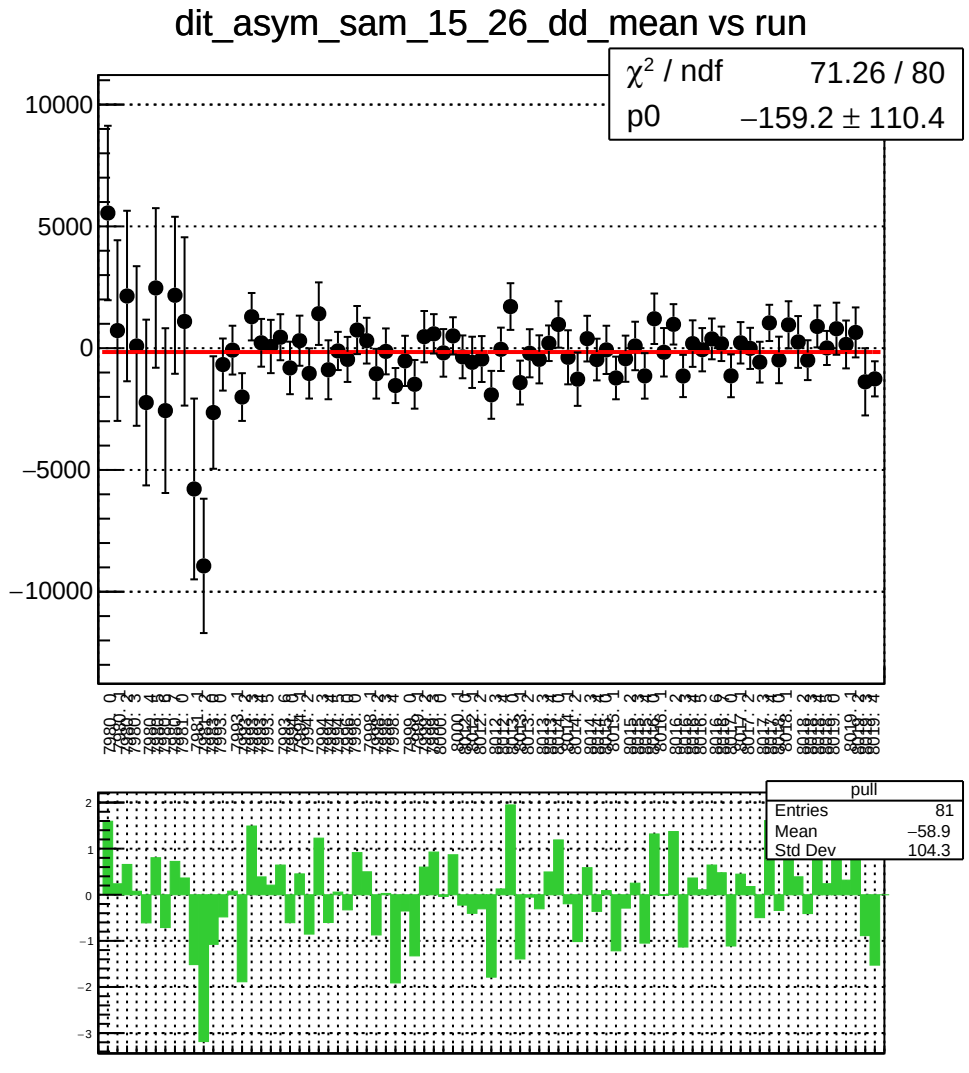

pull1D
Entries 81
Mean 0.01079
Std Dev 1.099
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

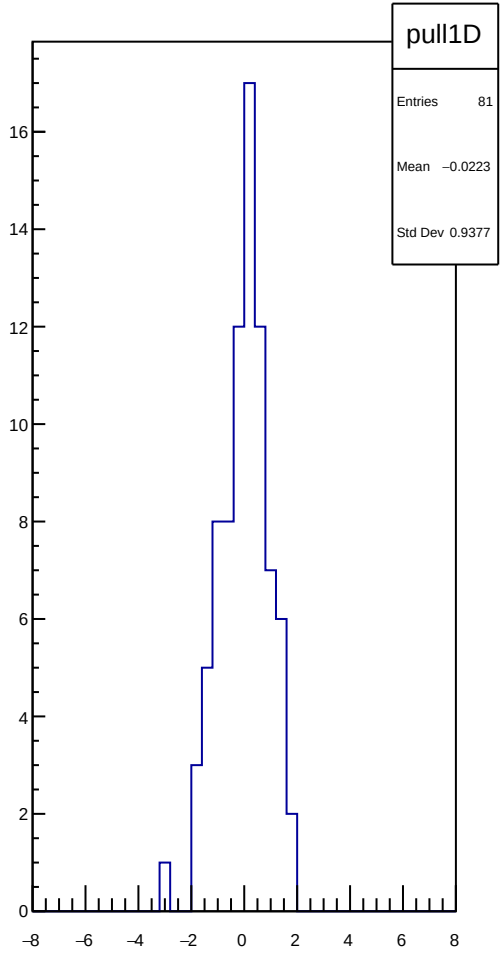

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2791 / 80
p0 468.9 ± 0.3701
520
500
480
460
440
420

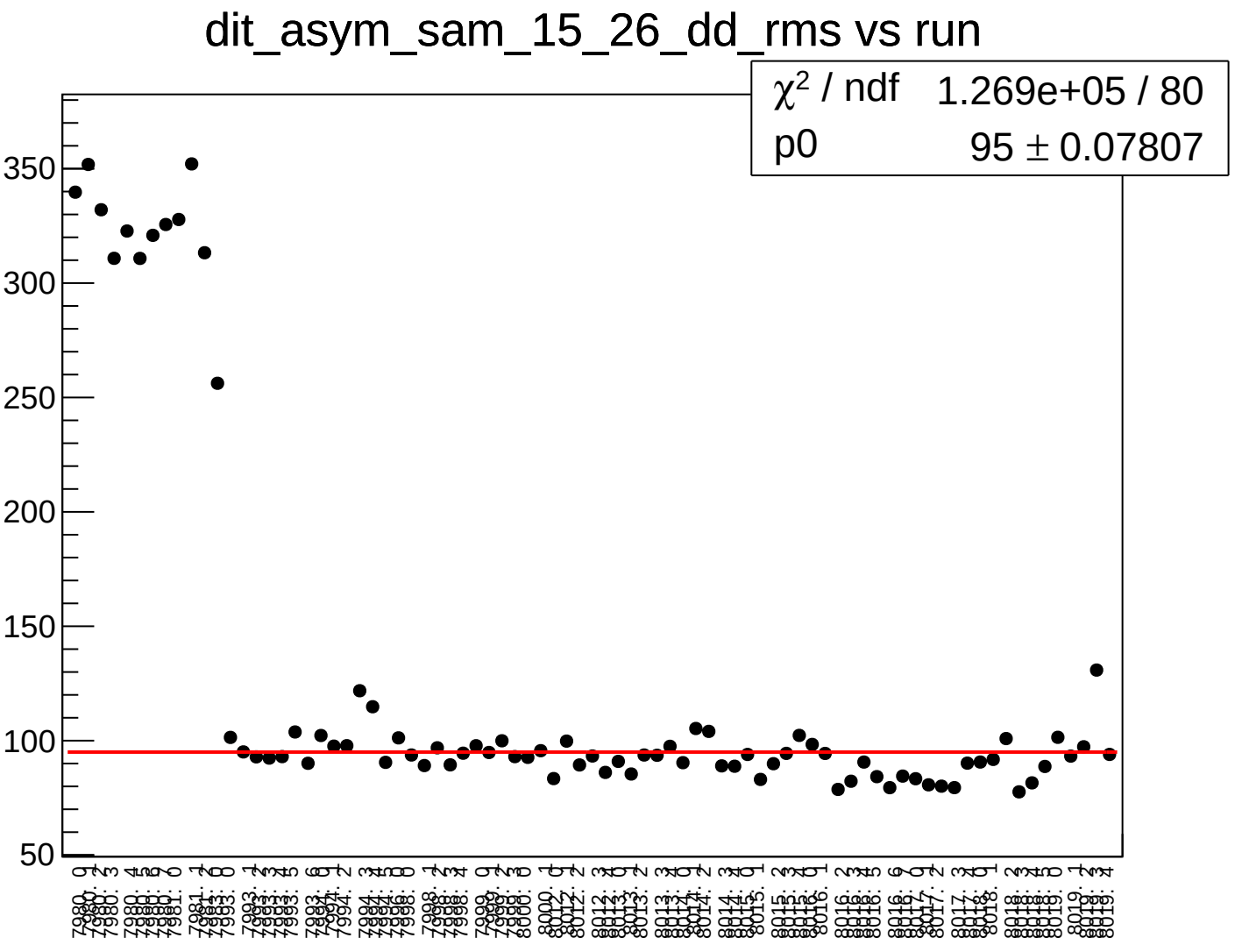

asym_sam_37_48_dd_mean vs run
χ² / ndf 96.11 / 80
p0 30.49 ± 516.9
pull
Entries 81
Mean −2473
Std Dev 2461

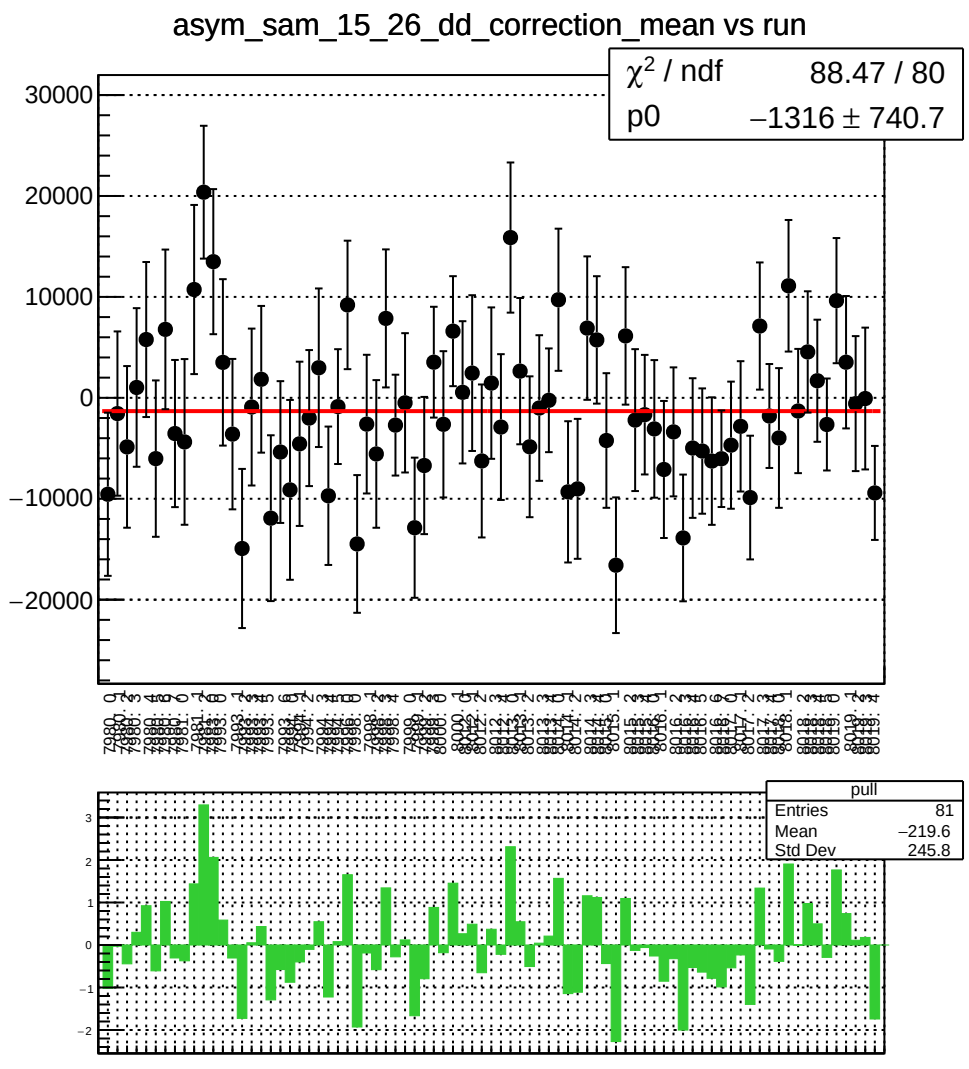

pull1D
Entries 81
Mean −0.000343
Std Dev 1.089

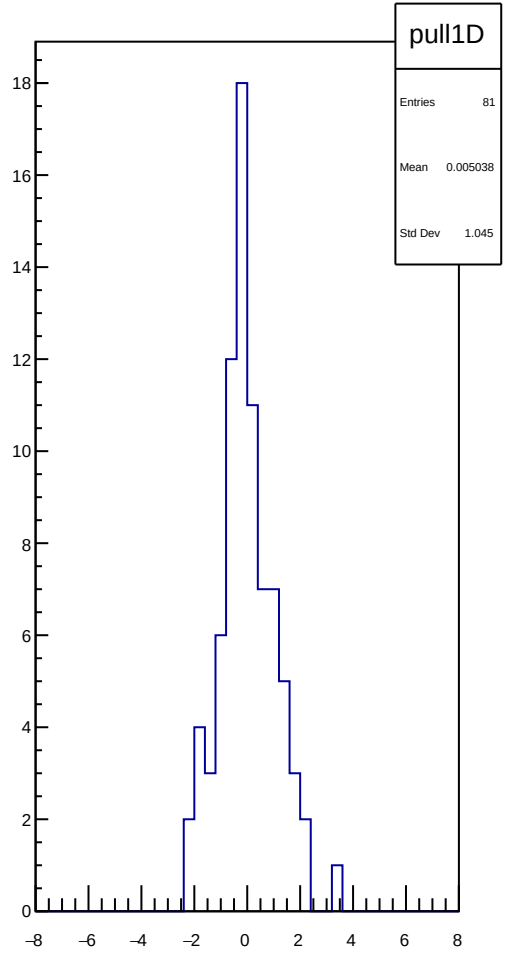

asym_sam_37_48_dd_rms vs run
χ² / ndf 4497 / 80
p0 462.8 ± 0.3655
540
520
500
480
460
440
420
400
380

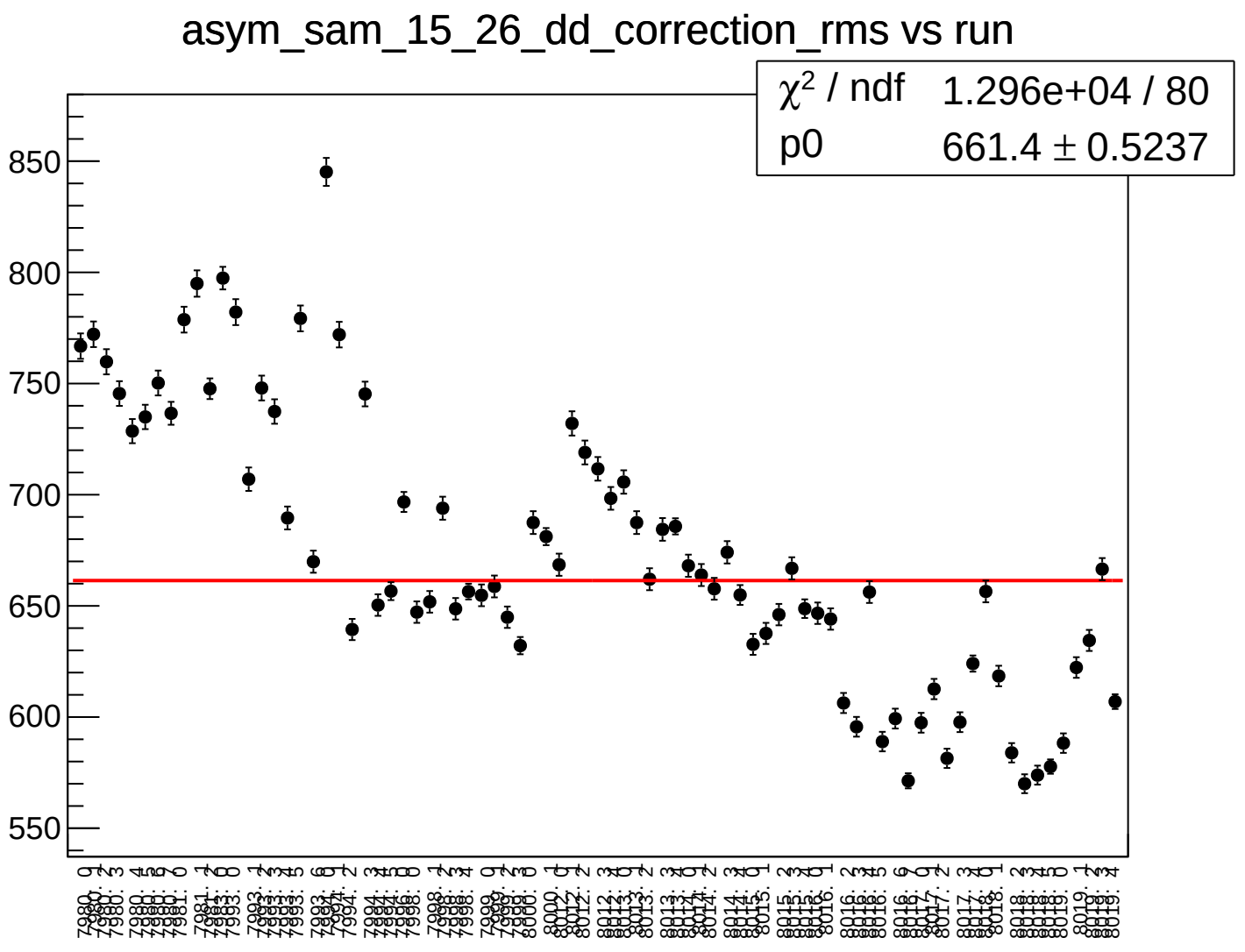

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 71.26 / 80
p0 −159.2 ± 110.4
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −58.9
Std Dev 104.3
2
1
0
−1
−2
−3

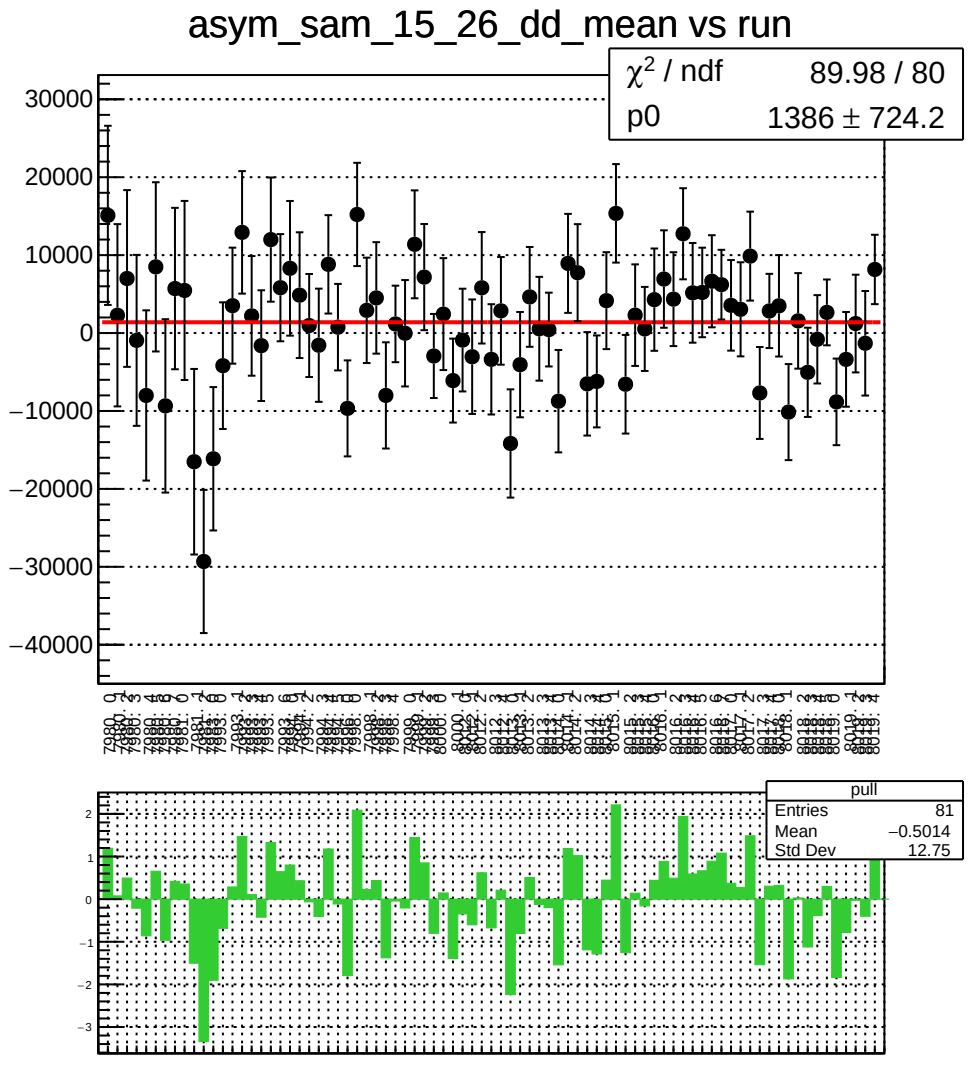

pull1D
Entries 81
Mean −0.0223
Std Dev 0.9377
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

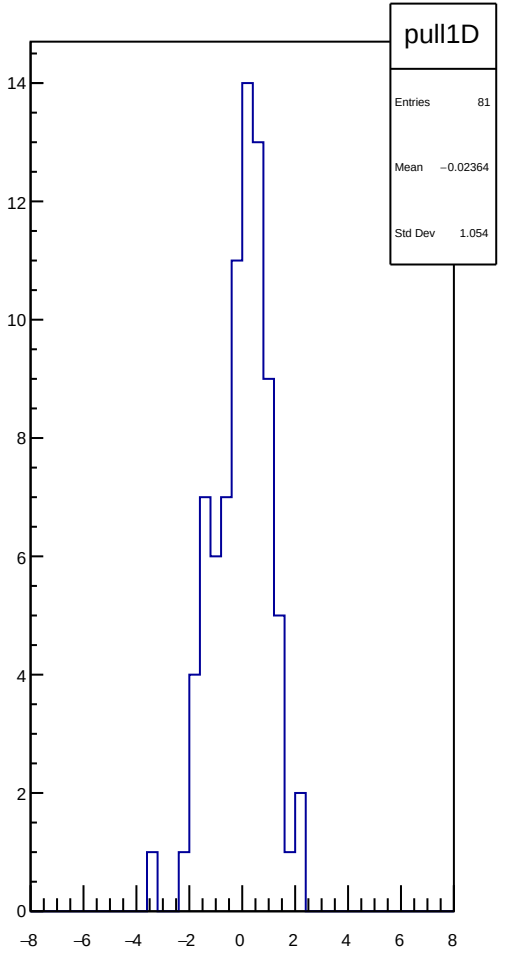

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.269e+05 / 80
p0 95 ± 0.07807
350
300
250
200
150
100
50

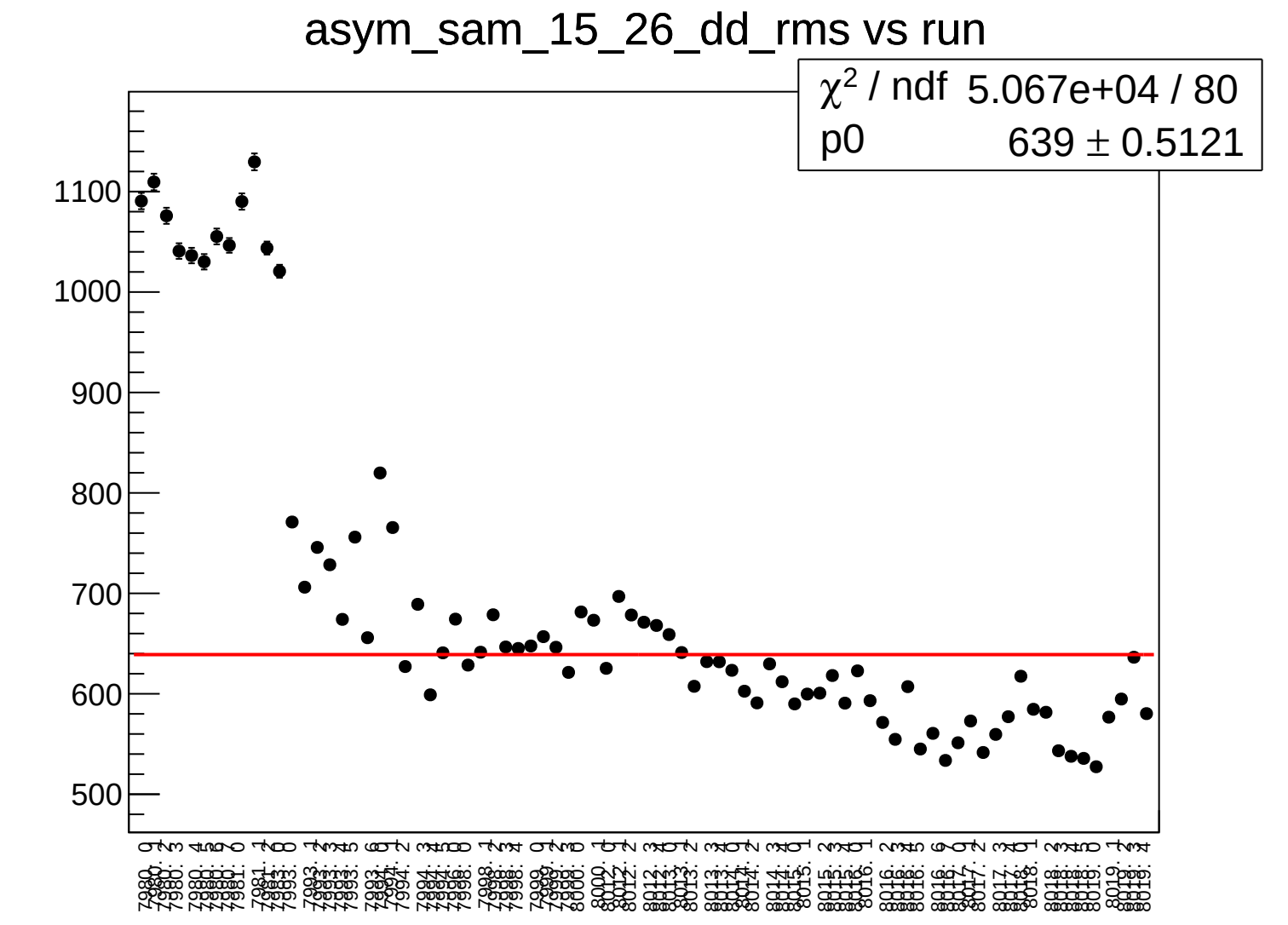

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 88.47 / 80
p0 −1316 ± 740.7
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −219.6
Std Dev 245.8
3
2
1
0
−1
−2

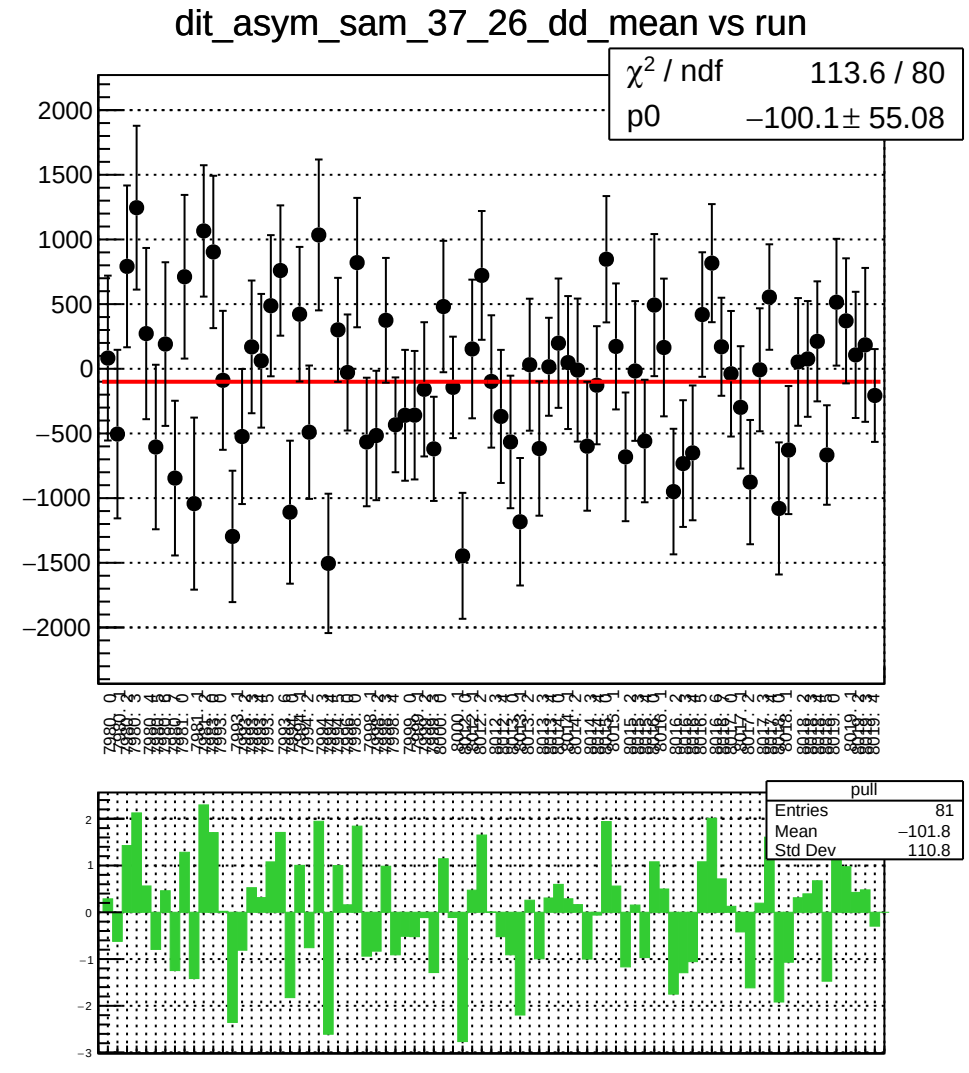

pull1D
Entries 81
Mean 0.005038
Std Dev 1.045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

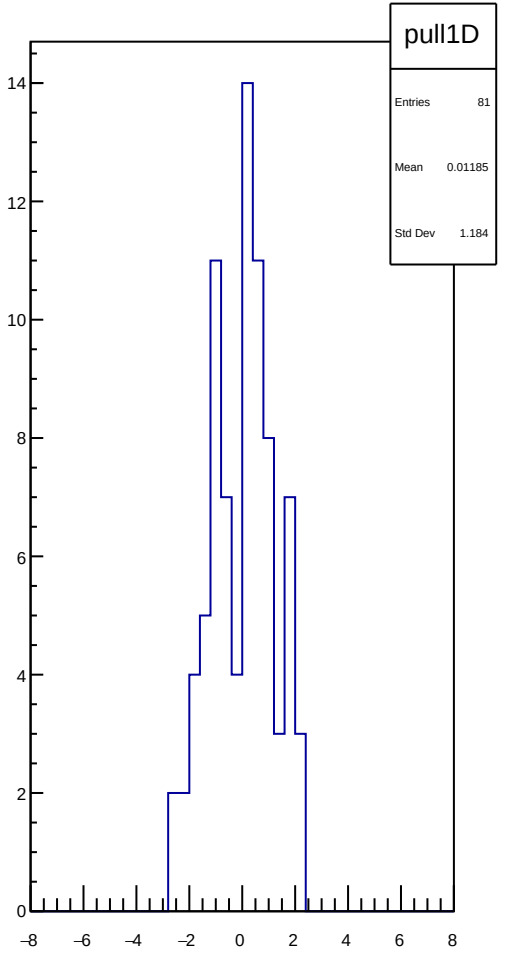

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.296e+04 / 80
p0 661.4 ± 0.5237
850
800
750
700
650
600
550

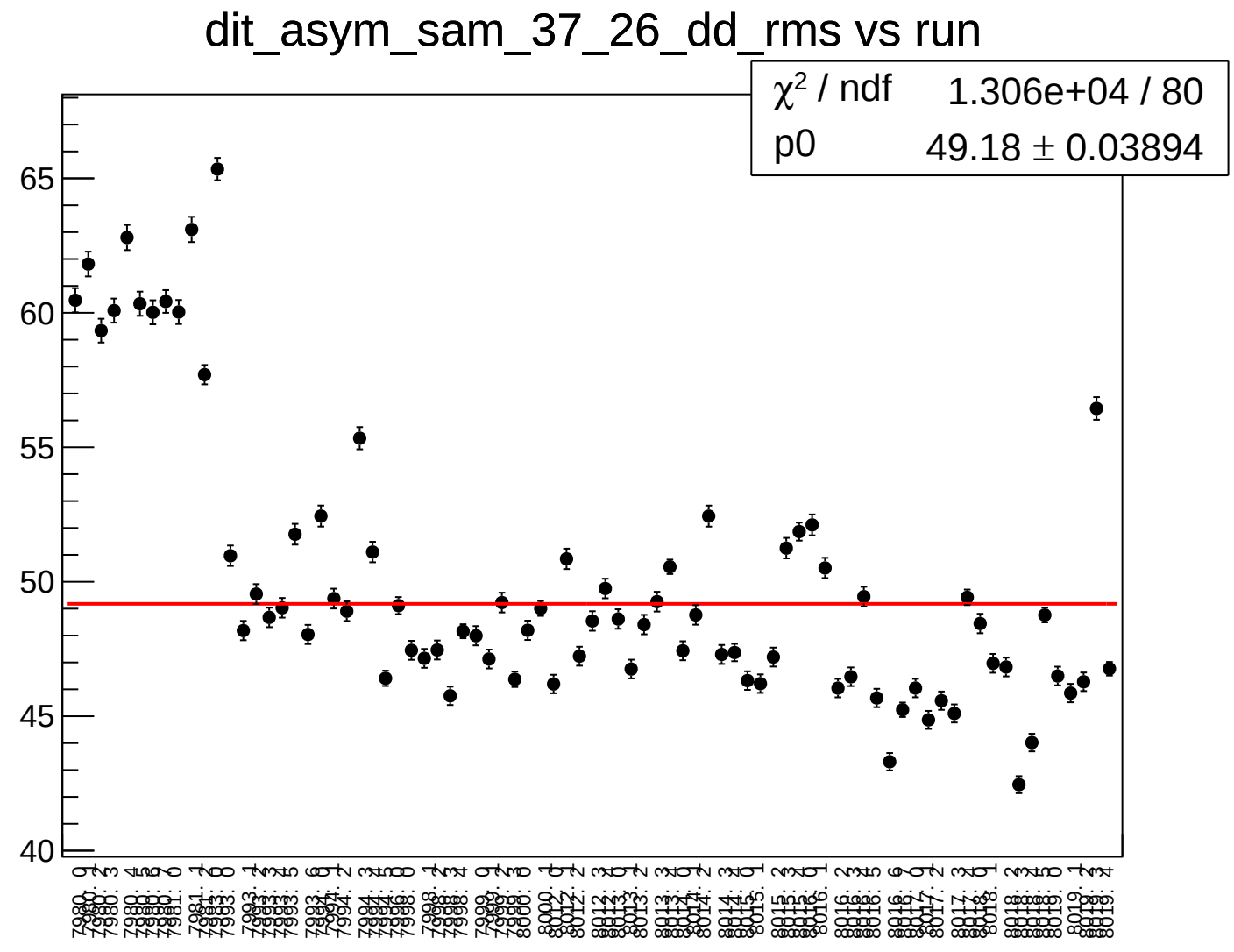

asym_sam_15_26_dd_mean vs run
χ² / ndf 89.98 / 80
p0 1386 ± 724.2
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean −0.5014
Std Dev 12.75
2
1
0
−1
−2
−3

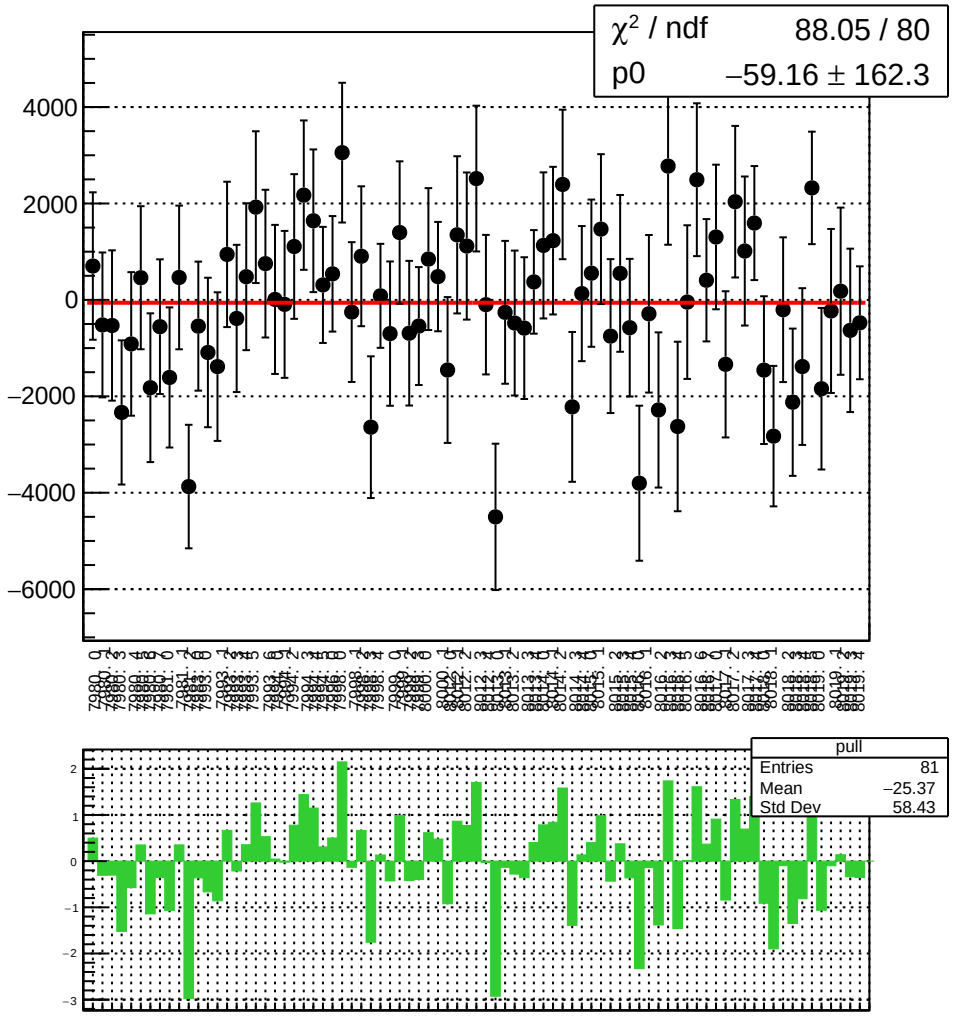

pull1D
Entries 81
Mean −0.02364
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

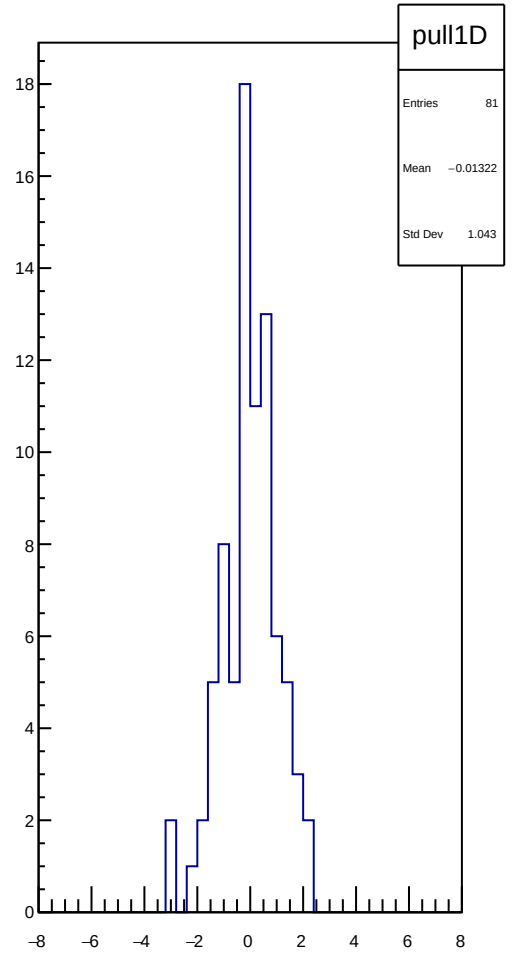

asym_sam_15_26_dd_rms vs run
χ² / ndf 5.067e+04 / 80
p0 639 ± 0.5121
1100
1000
900
800
700
600
500

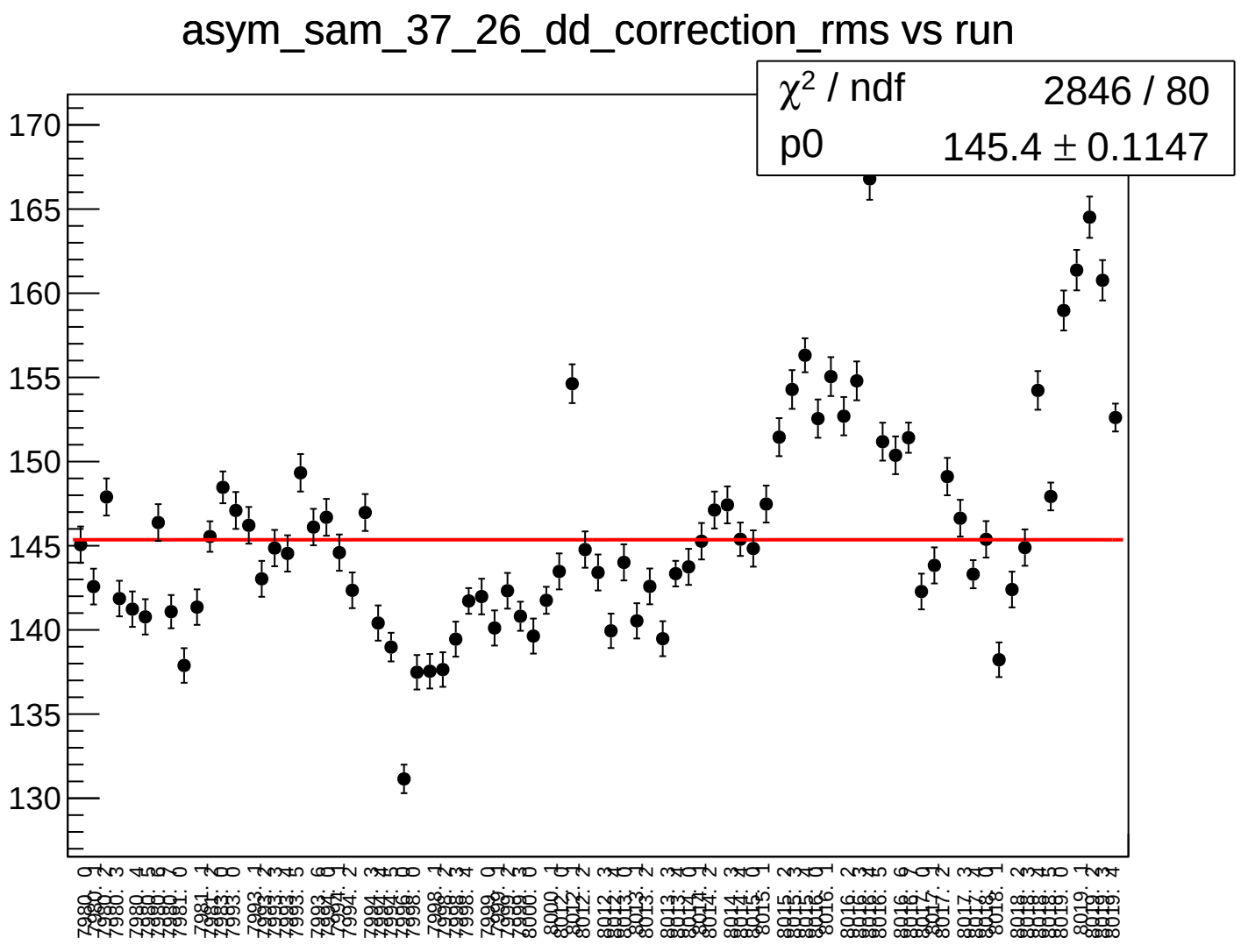

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 113.6 / 80
p0 −100.1 ± 55.08
pull
Entries 81
Mean −101.8
Std Dev 110.8

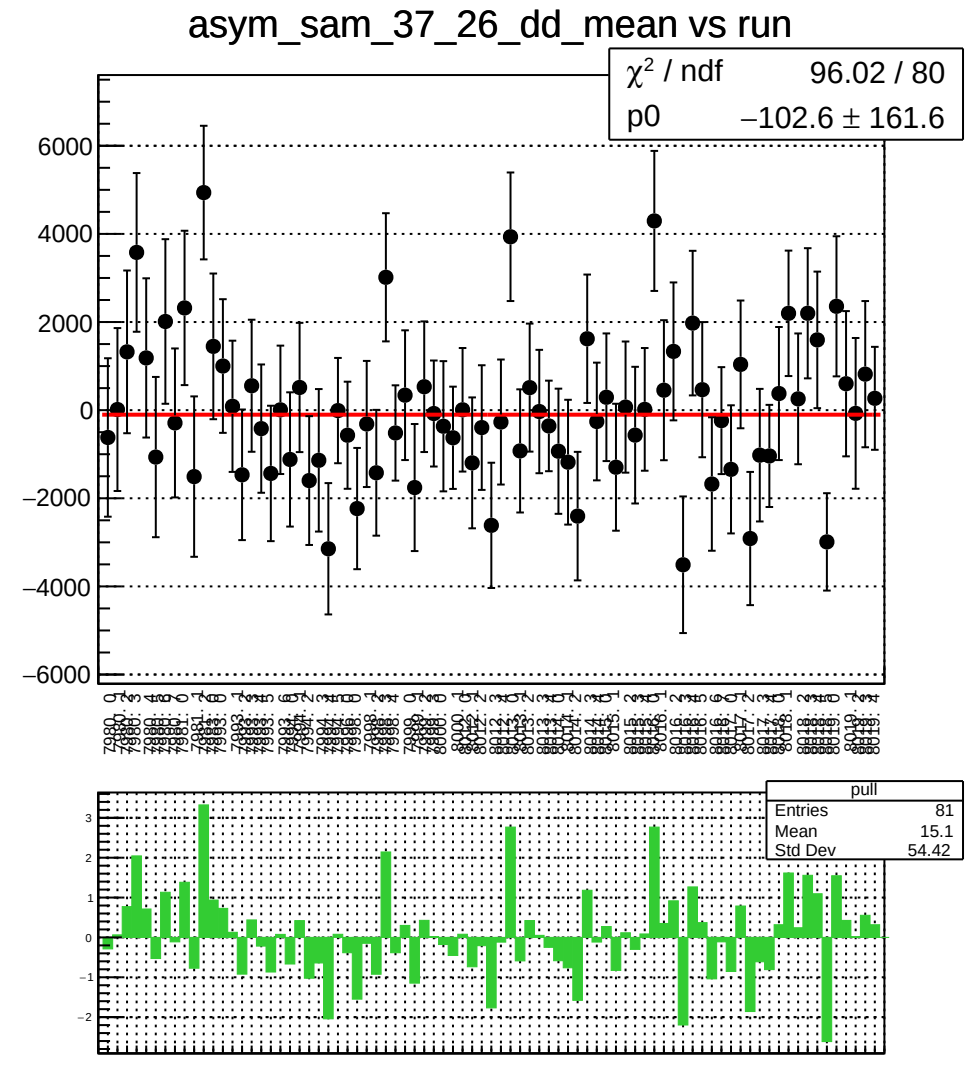

pull1D
Entries 81
Mean 0.01185
Std Dev 1.184

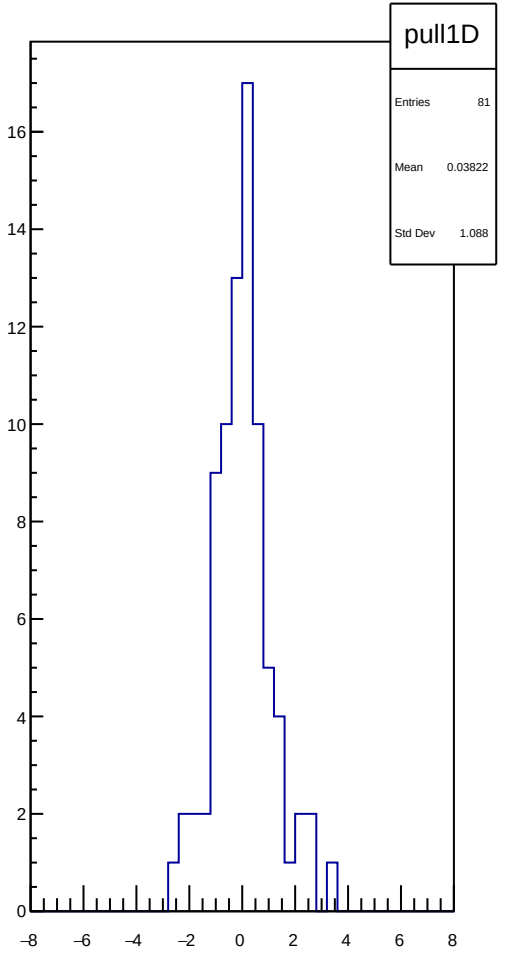

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.306e+04 / 80
p0 49.18 ± 0.03894
65
60
55
50
45
40

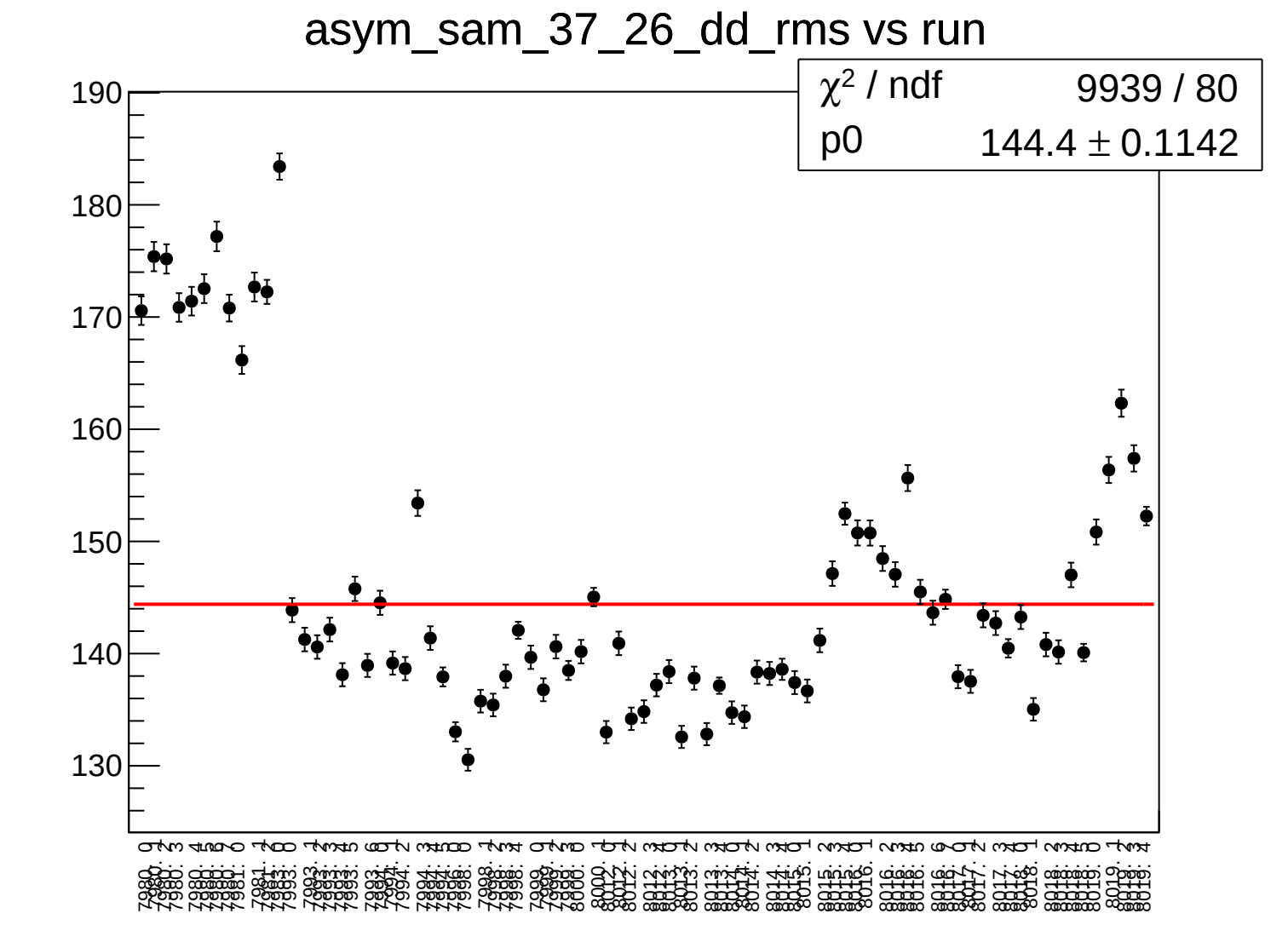

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 88.05 / 80
p0 −59.16 ± 162.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −25.37
Std Dev 58.43
2
1
0
−1
−2
−3

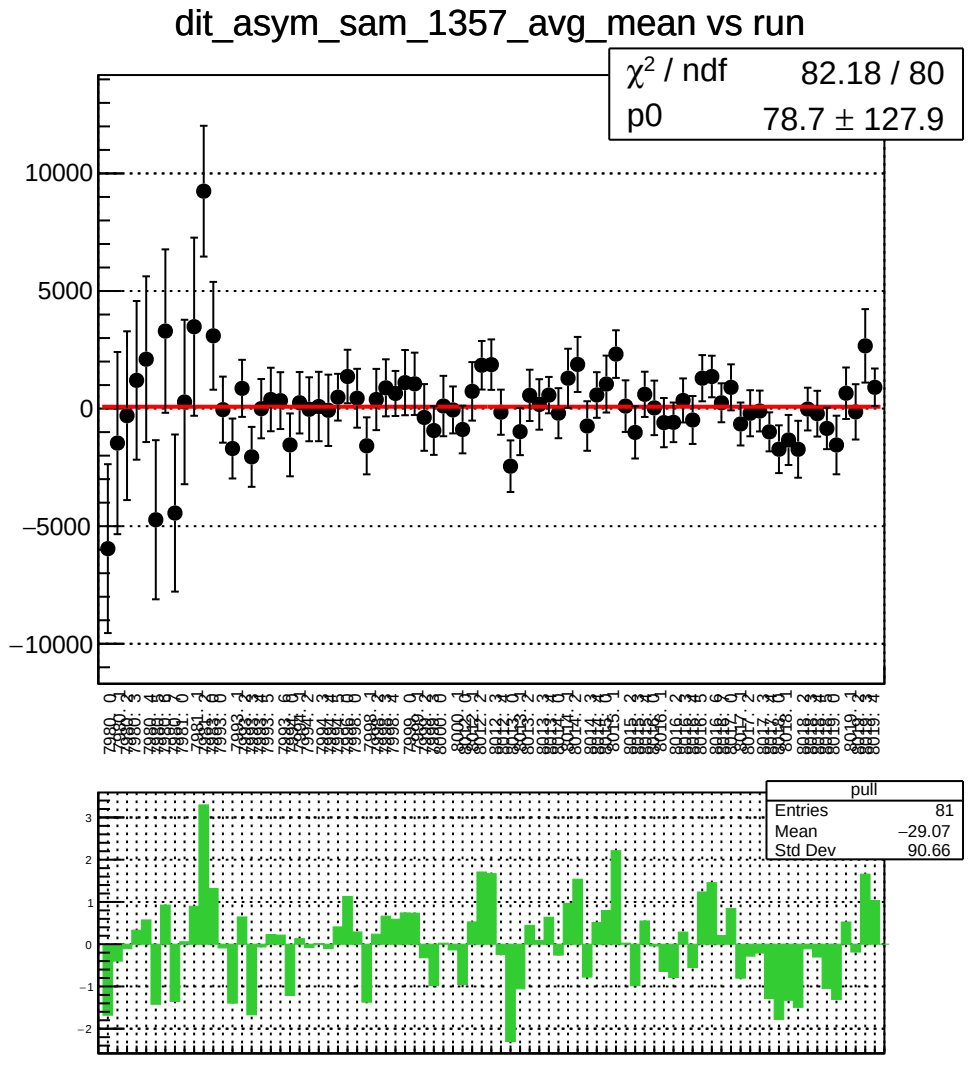

pull1D
Entries 81
Mean −0.01322
Std Dev 1.043
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

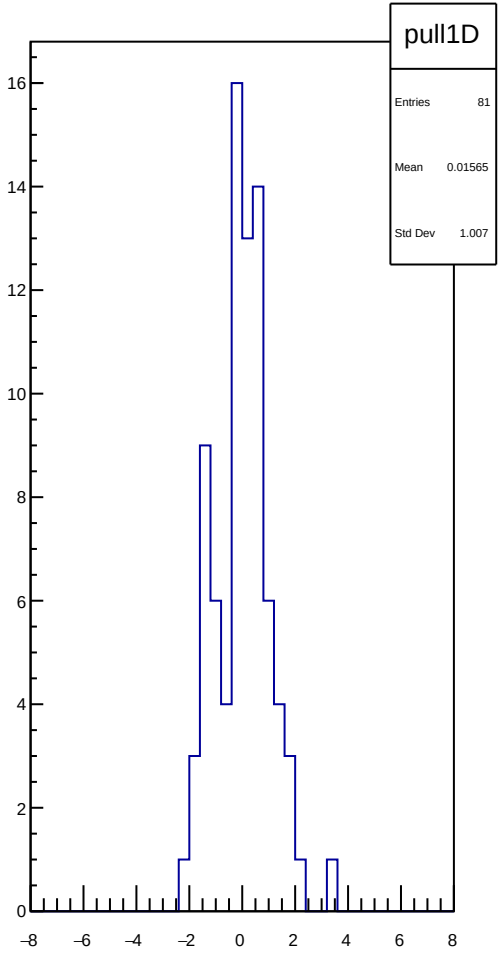

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2846 / 80
p0 145.4 ± 0.1147
170
165
160
155
150
145
140
135
130

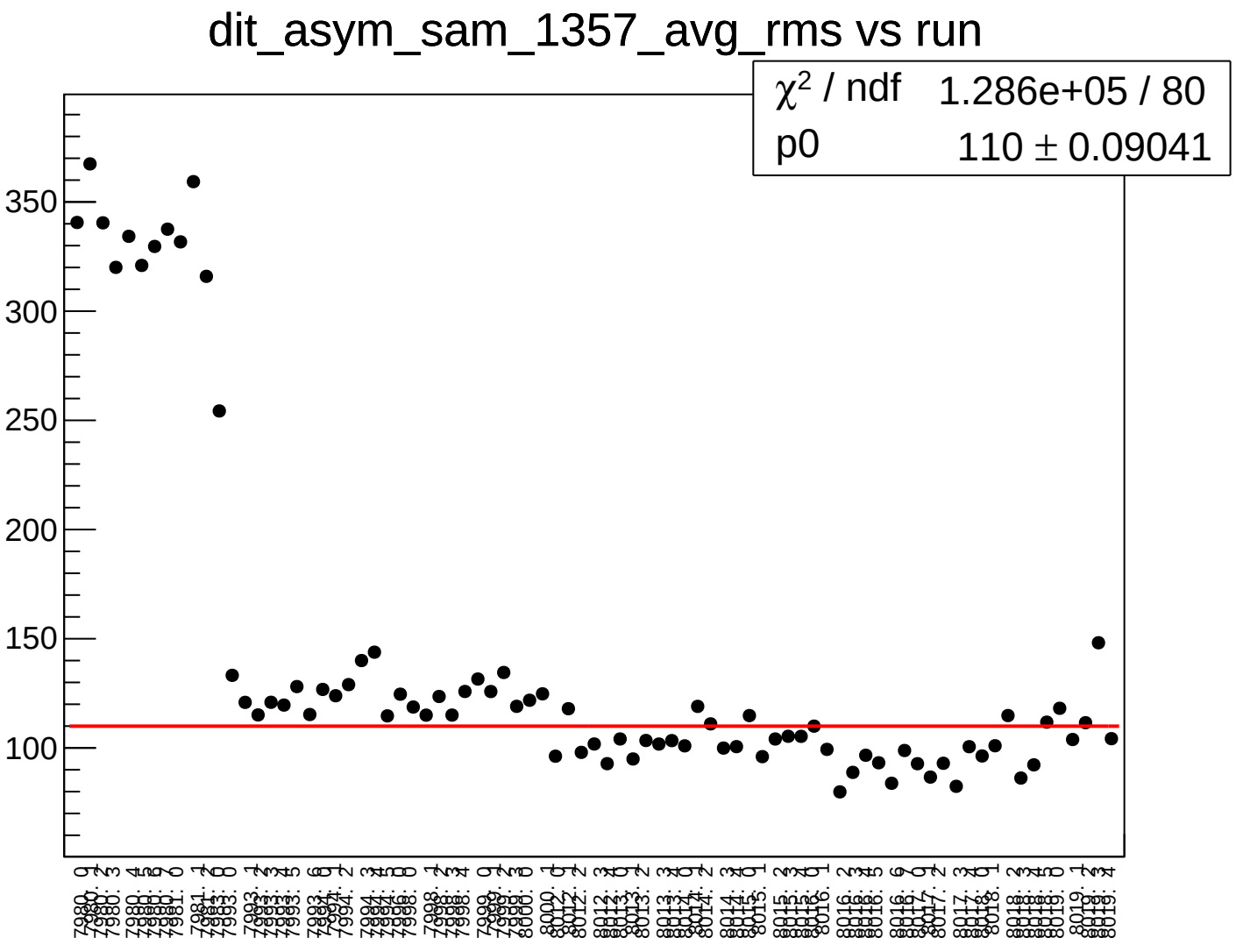

asym_sam_37_26_dd_mean vs run
χ² / ndf 96.02 / 80
p0 −102.6 ± 161.6
pull
Entries 81
Mean 15.1
Std Dev 54.42

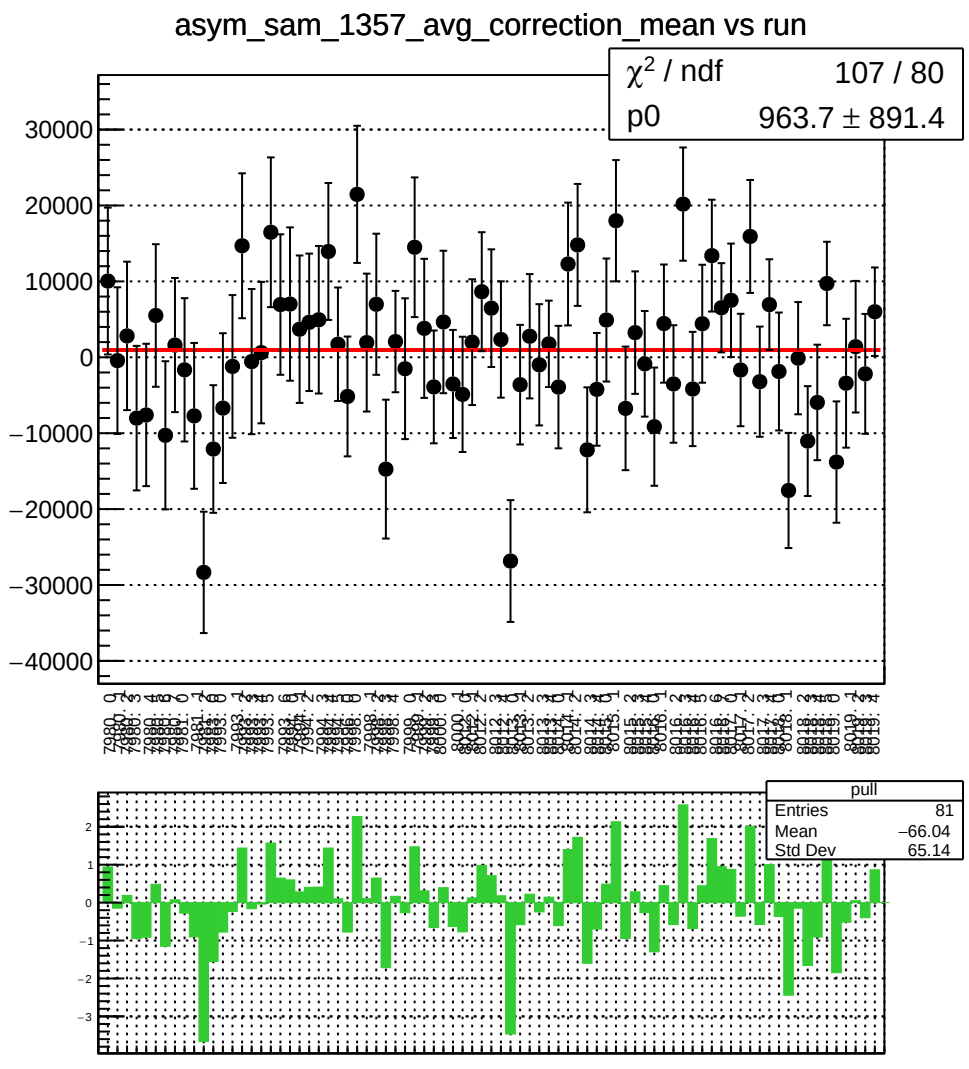

pull1D
Entries 81
Mean 0.03822
Std Dev 1.088

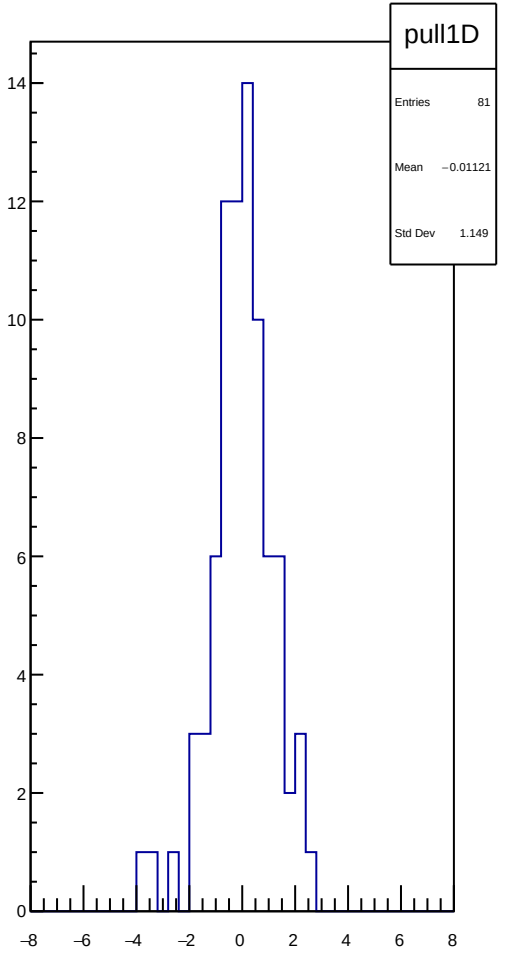

asym_sam_37_26_dd_rms vs run
χ² / ndf 9939 / 80
p0 144.4 ± 0.1142
190
180
170
160
150
140
130

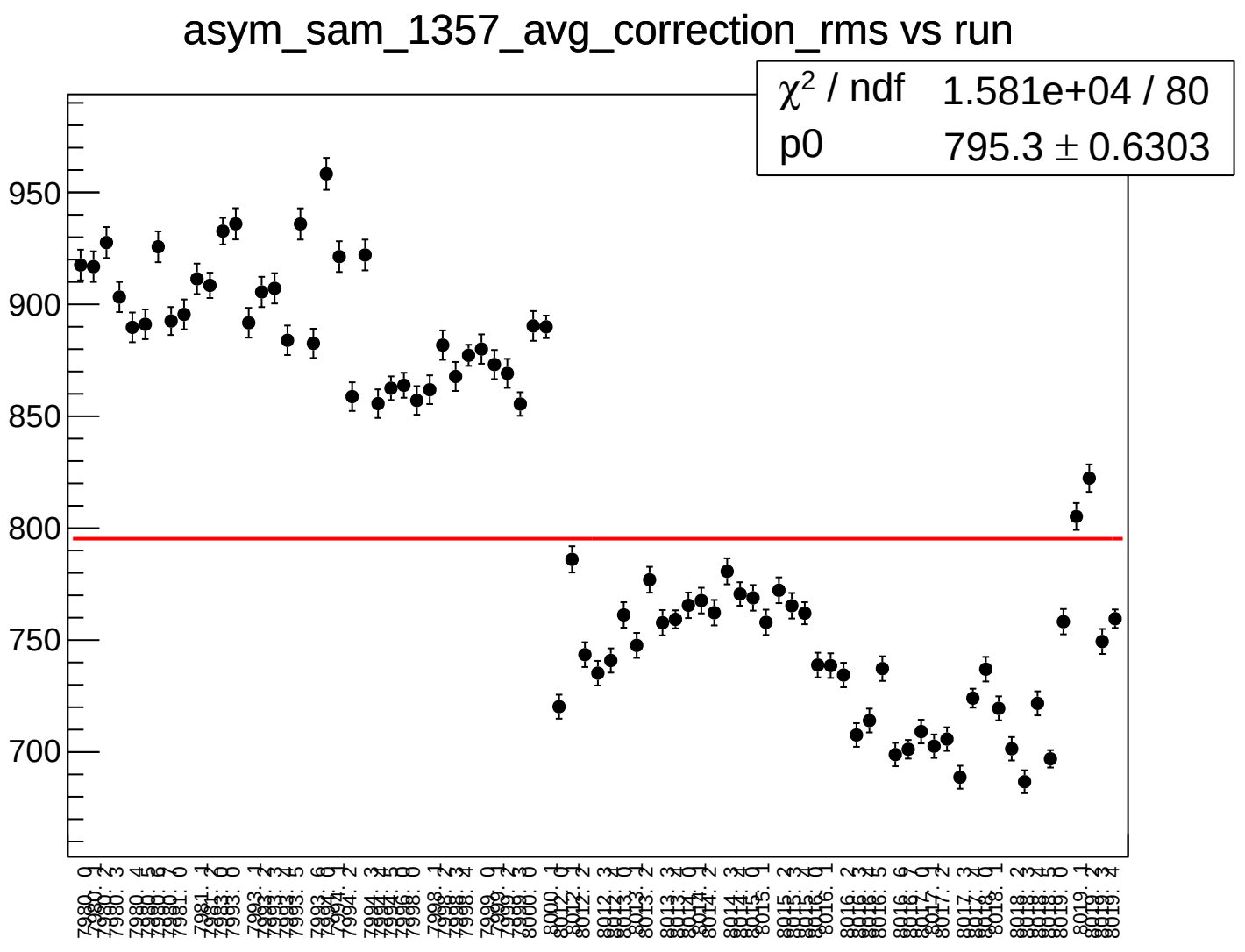

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 82.18 / 80
p0 78.7 ± 127.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −29.07
Std Dev 90.66
3
2
1
0
−1
−2

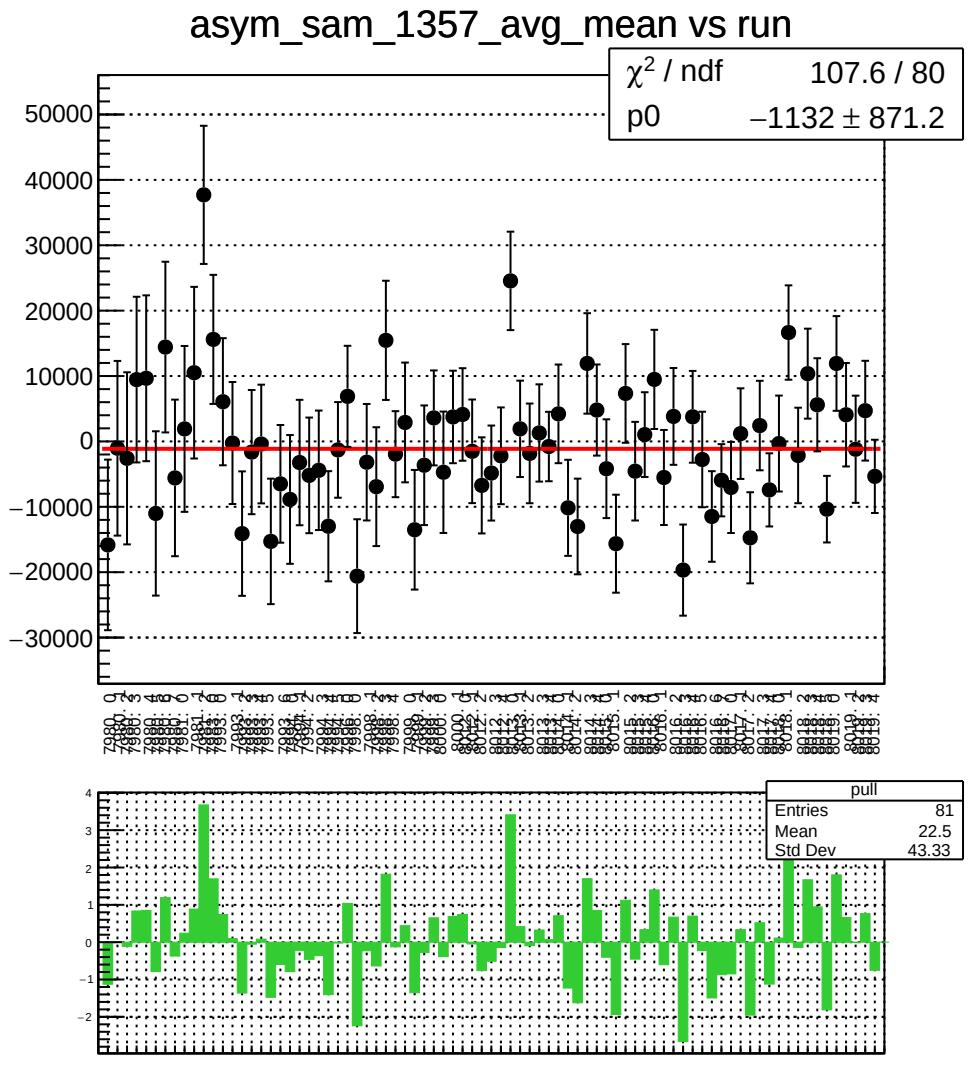

pull1D
Entries 81
Mean 0.01565
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

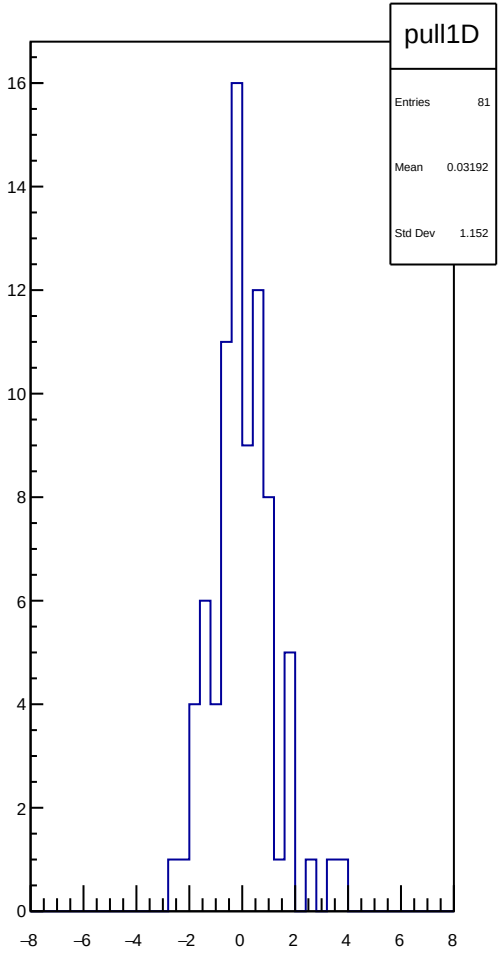

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.286e+05 / 80
p0 110 ± 0.09041
350
300
250
200
150
100

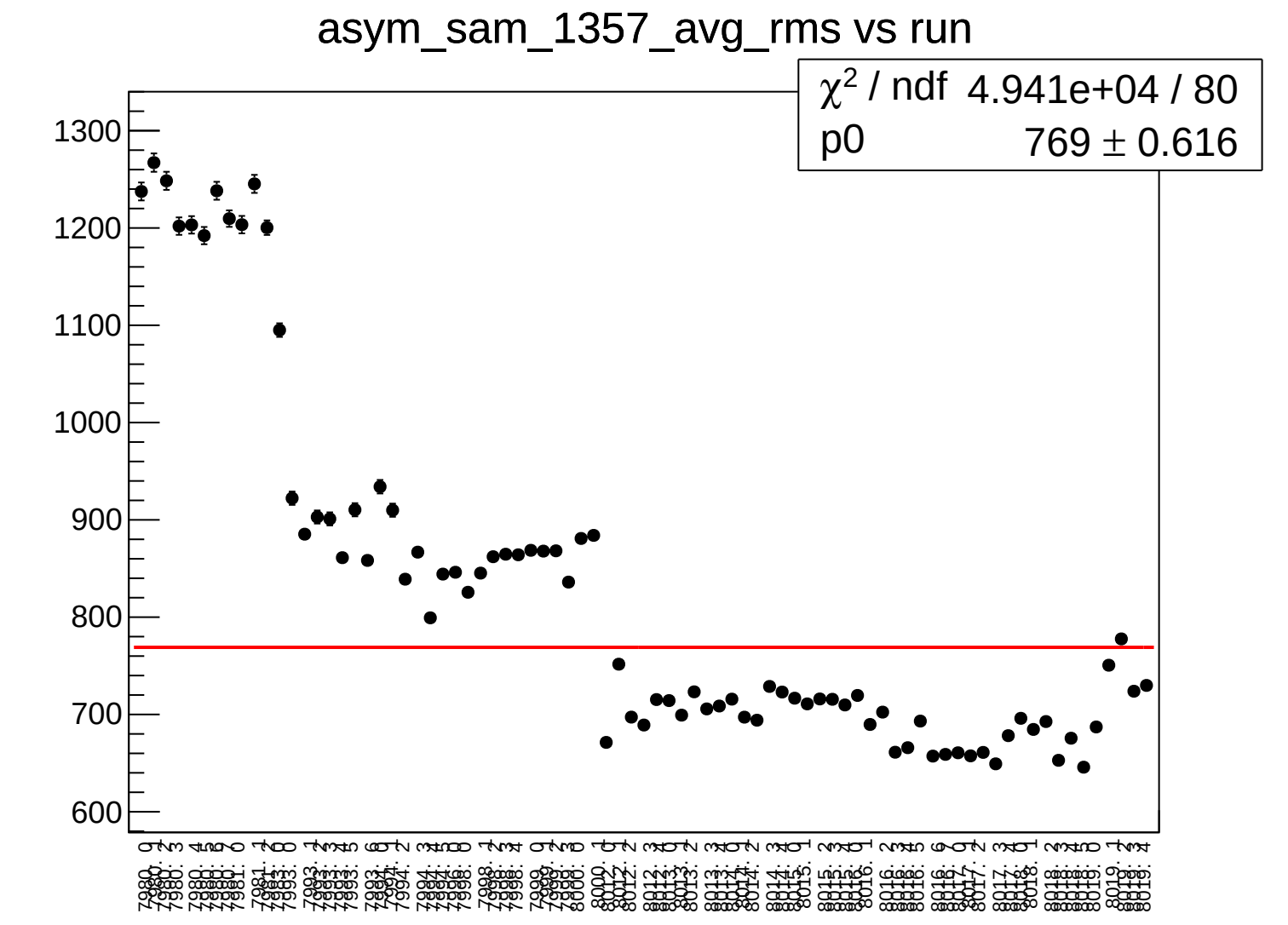

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 107 / 80
p0 963.7 ± 891.4
pull
Entries 81
Mean −66.04
Std Dev 65.14

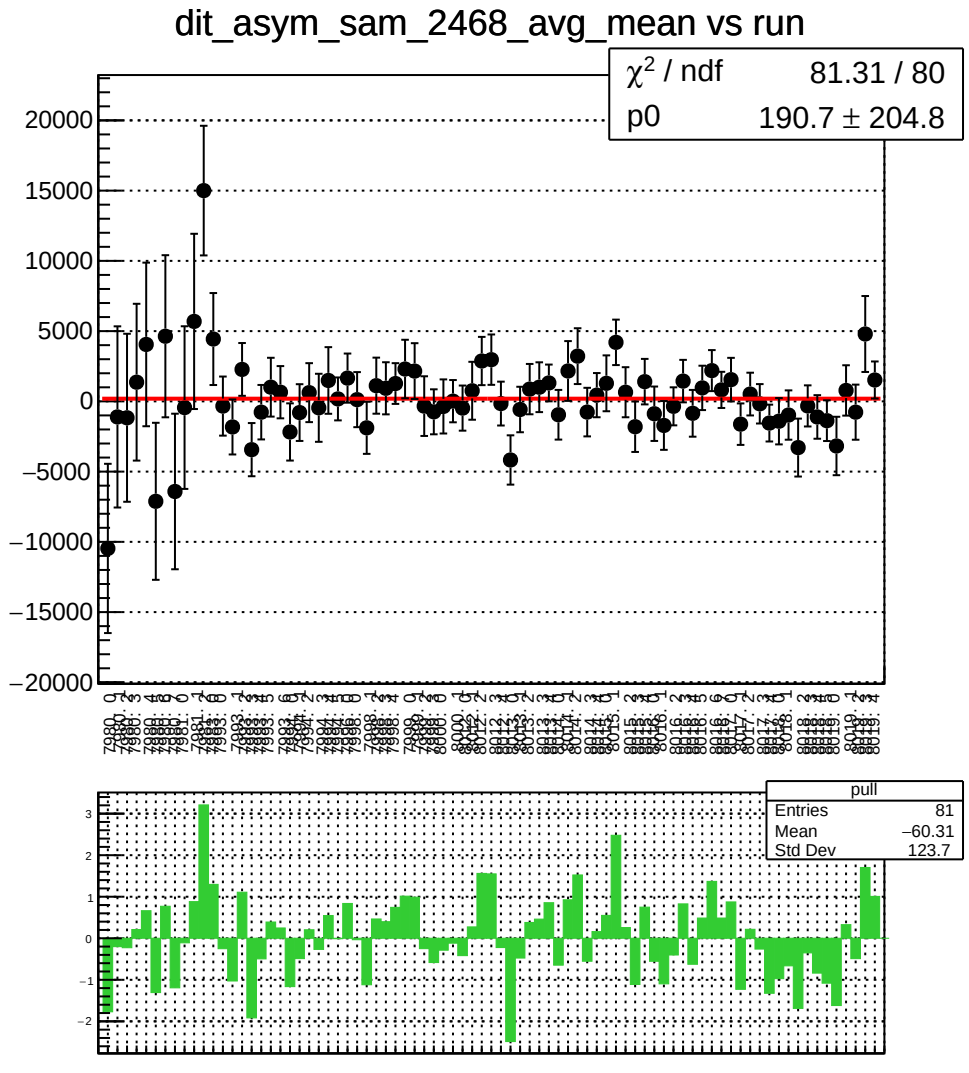

pull1D
Entries 81
Mean −0.01121
Std Dev 1.149

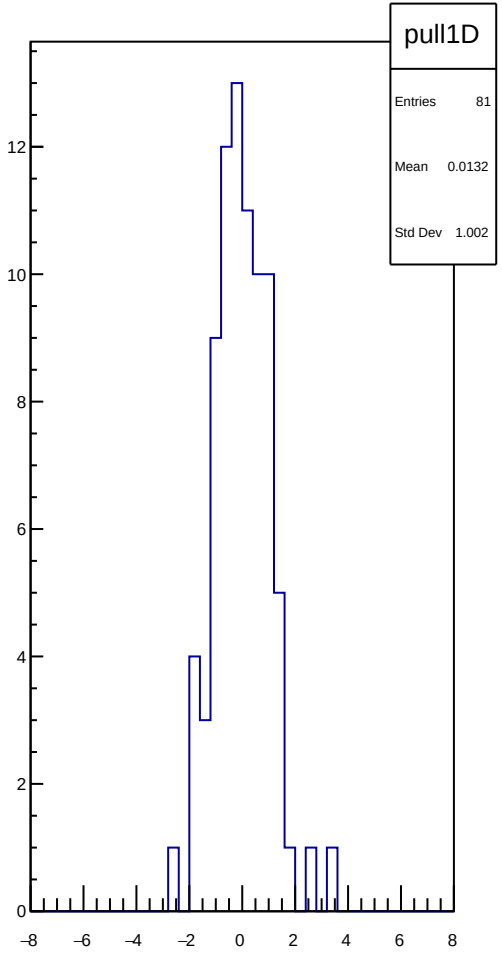

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.581e+04 / 80
p0 795.3 ± 0.6303
950
900
850
800
750
700

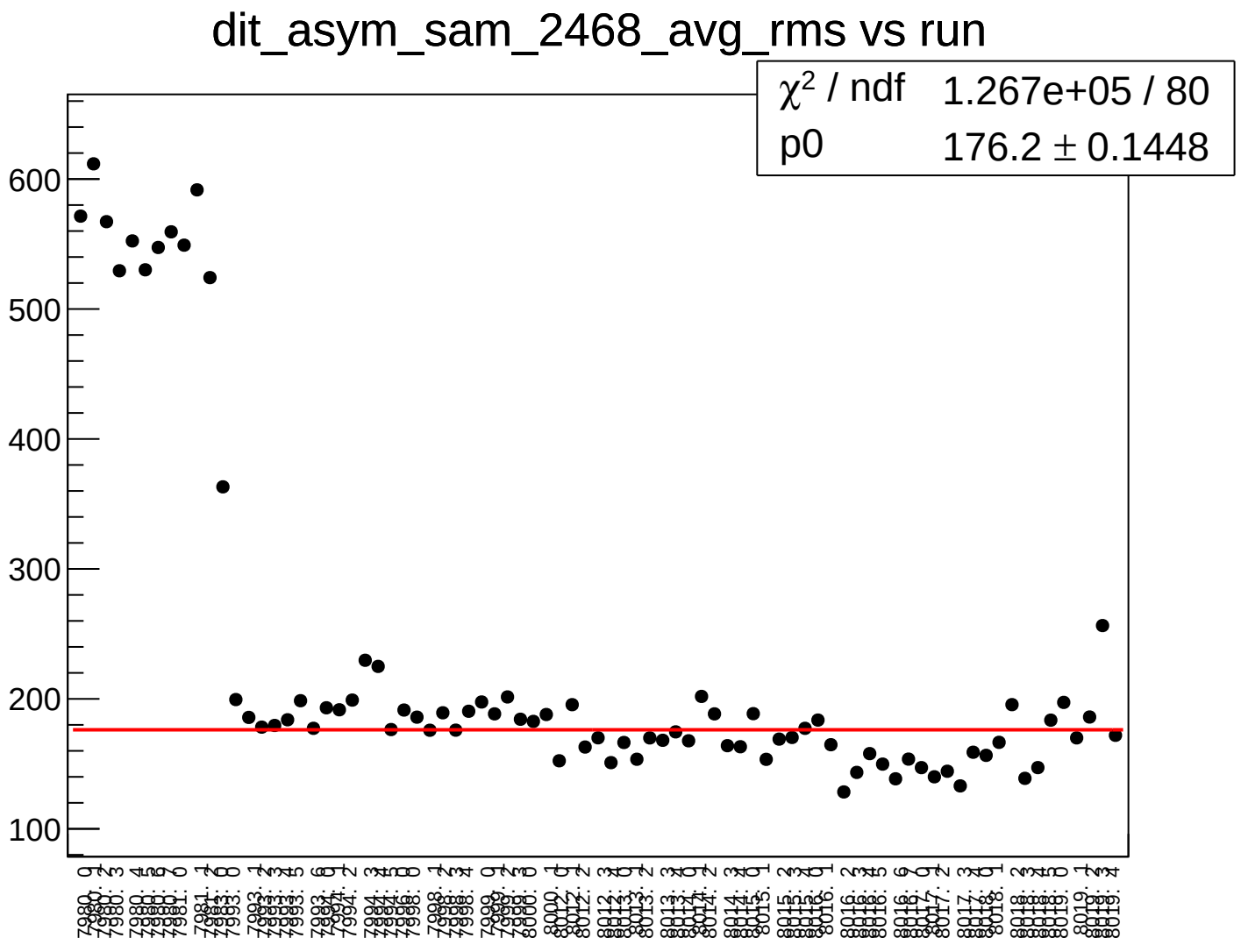

asym_sam_1357_avg_mean vs run
χ² / ndf 107.6 / 80
p0 −1132 ± 871.2
pull
Entries 81
Mean 22.5
Std Dev 43.33

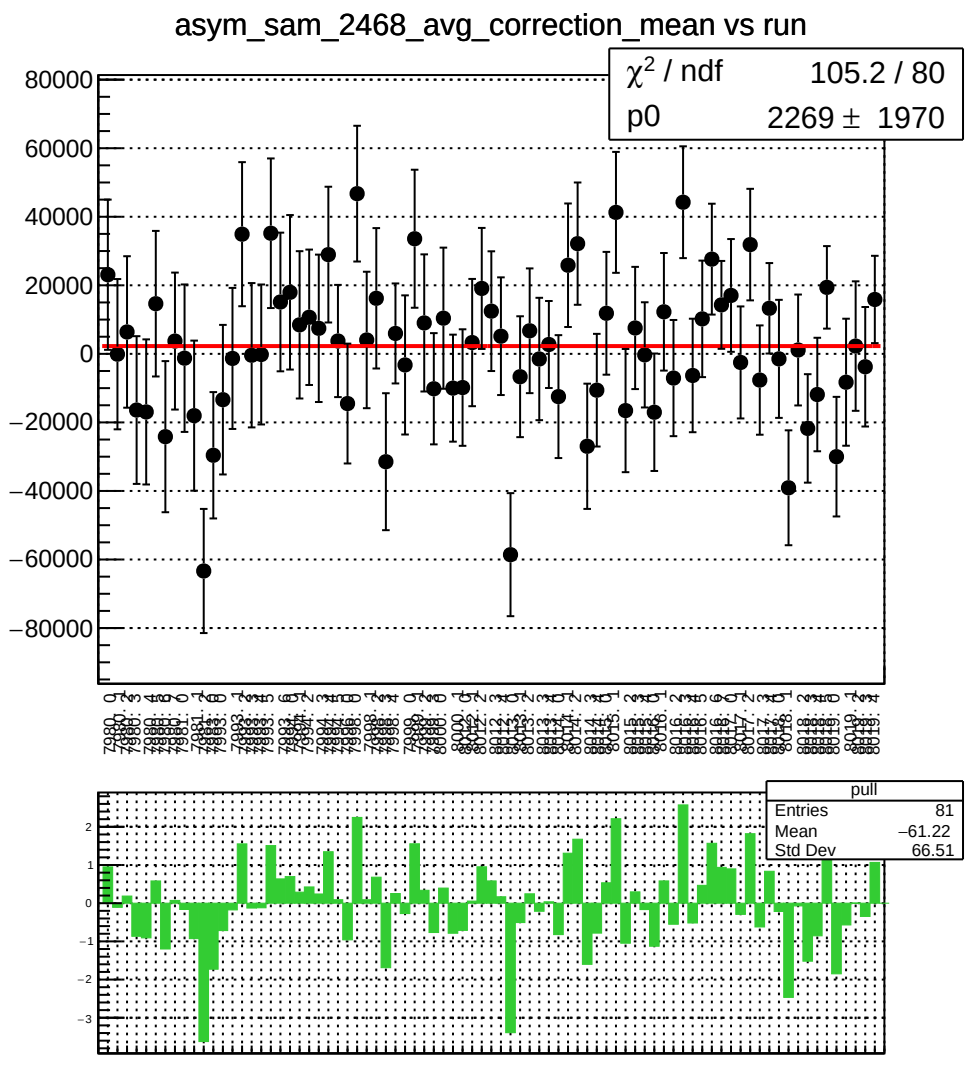

pull1D
Entries 81
Mean 0.03192
Std Dev 1.152

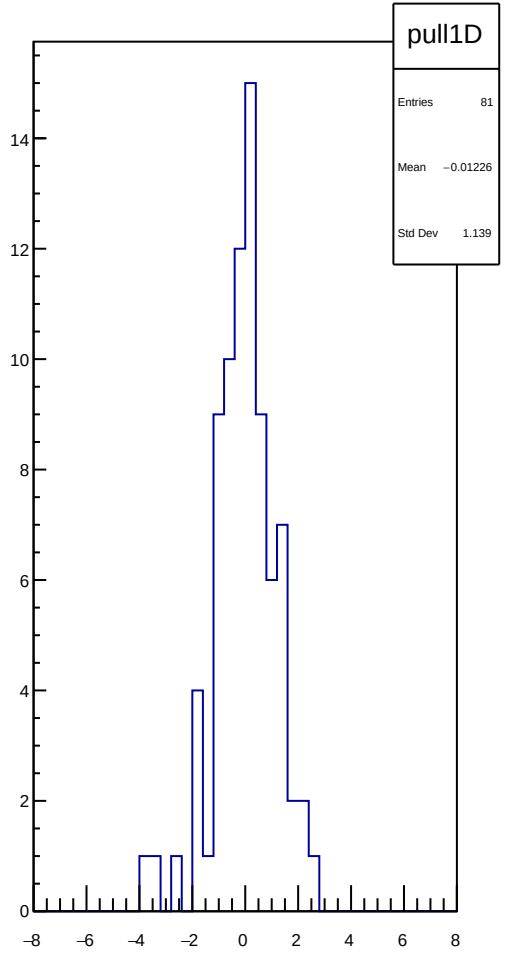

asym_sam_1357_avg_rms vs run
χ² / ndf 4.941e+04 / 80
p0 769 ± 0.616
1300
1200
1100
1000
900
800
700
600

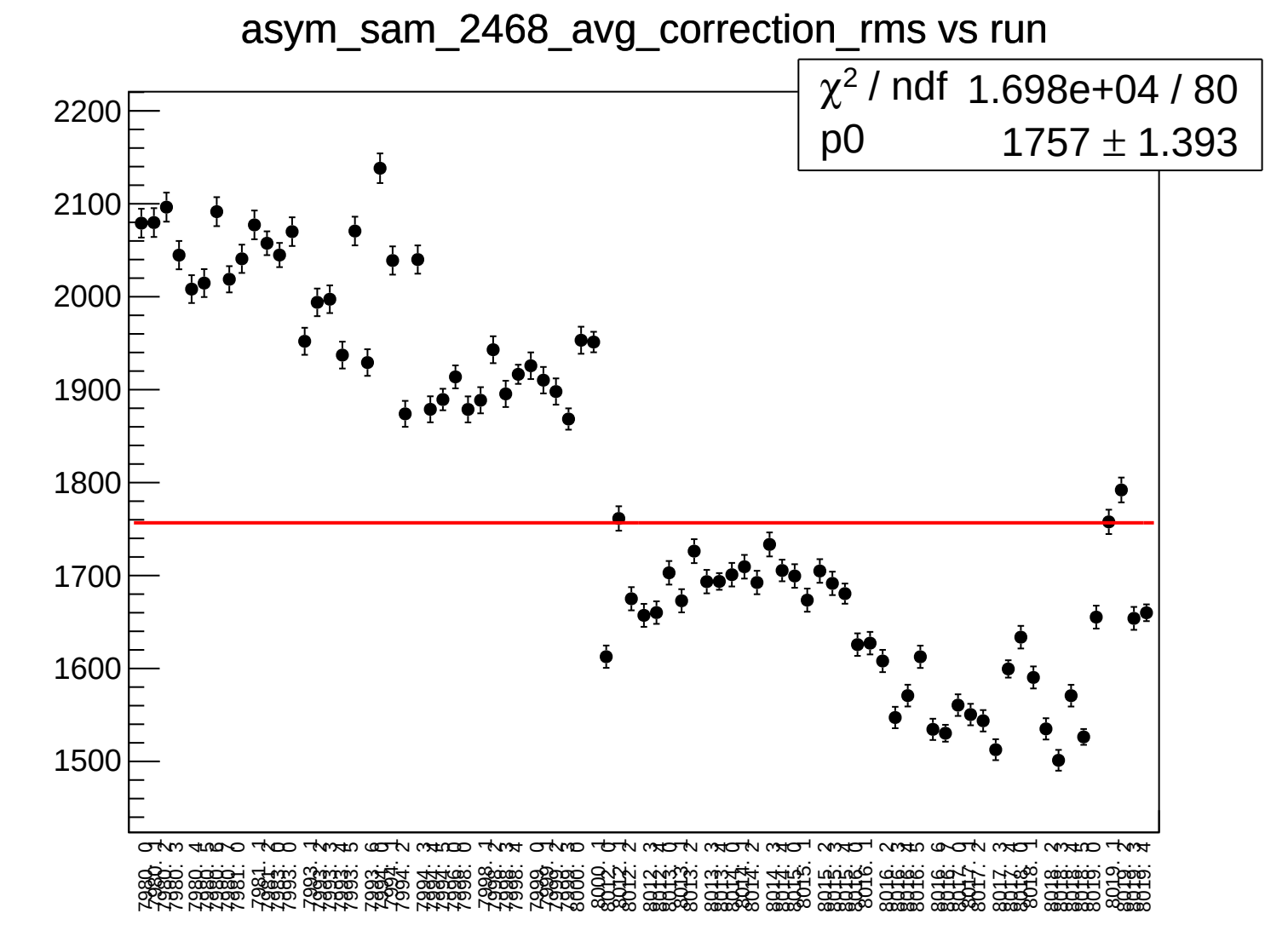

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 81.31 / 80
p0 190.7 ± 204.8
pull
Entries 81
Mean −60.31
Std Dev 123.7

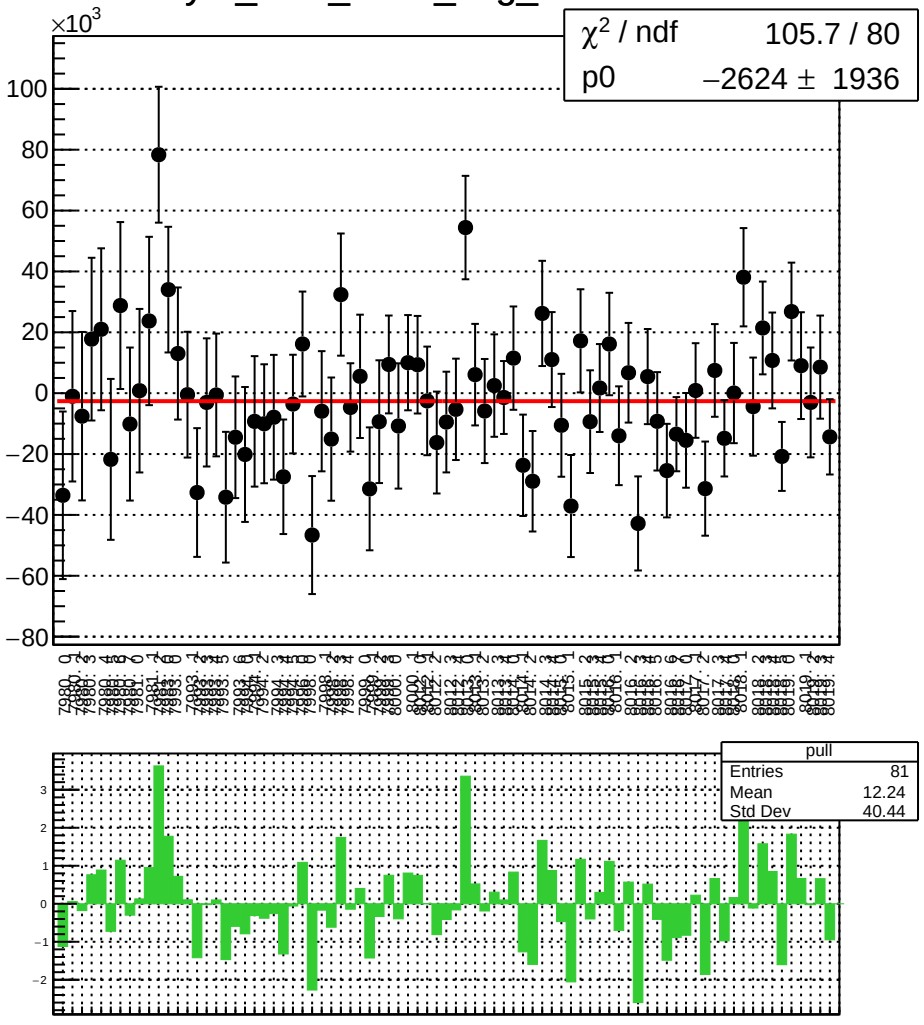

pull1D
Entries 81
Mean 0.0132
Std Dev 1.002

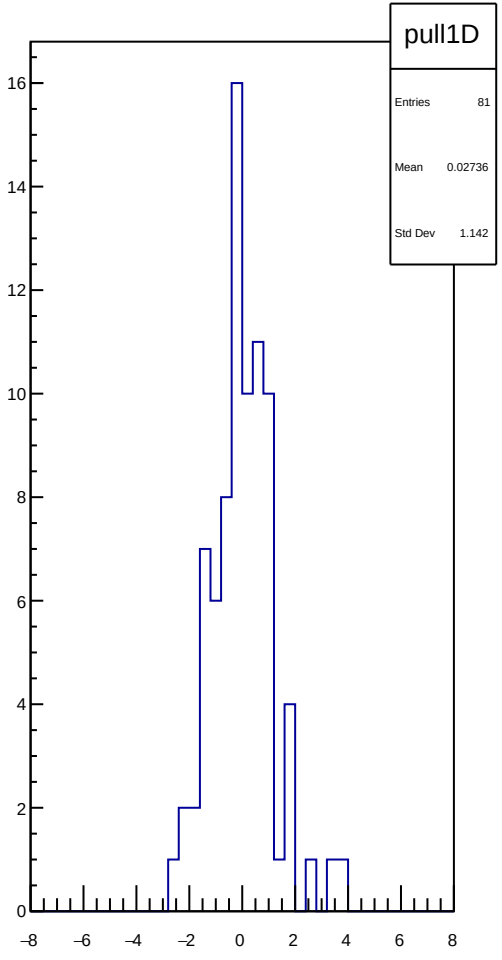

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.267e+05 / 80
p0 176.2 ± 0.1448
600
500
400
300
200
100

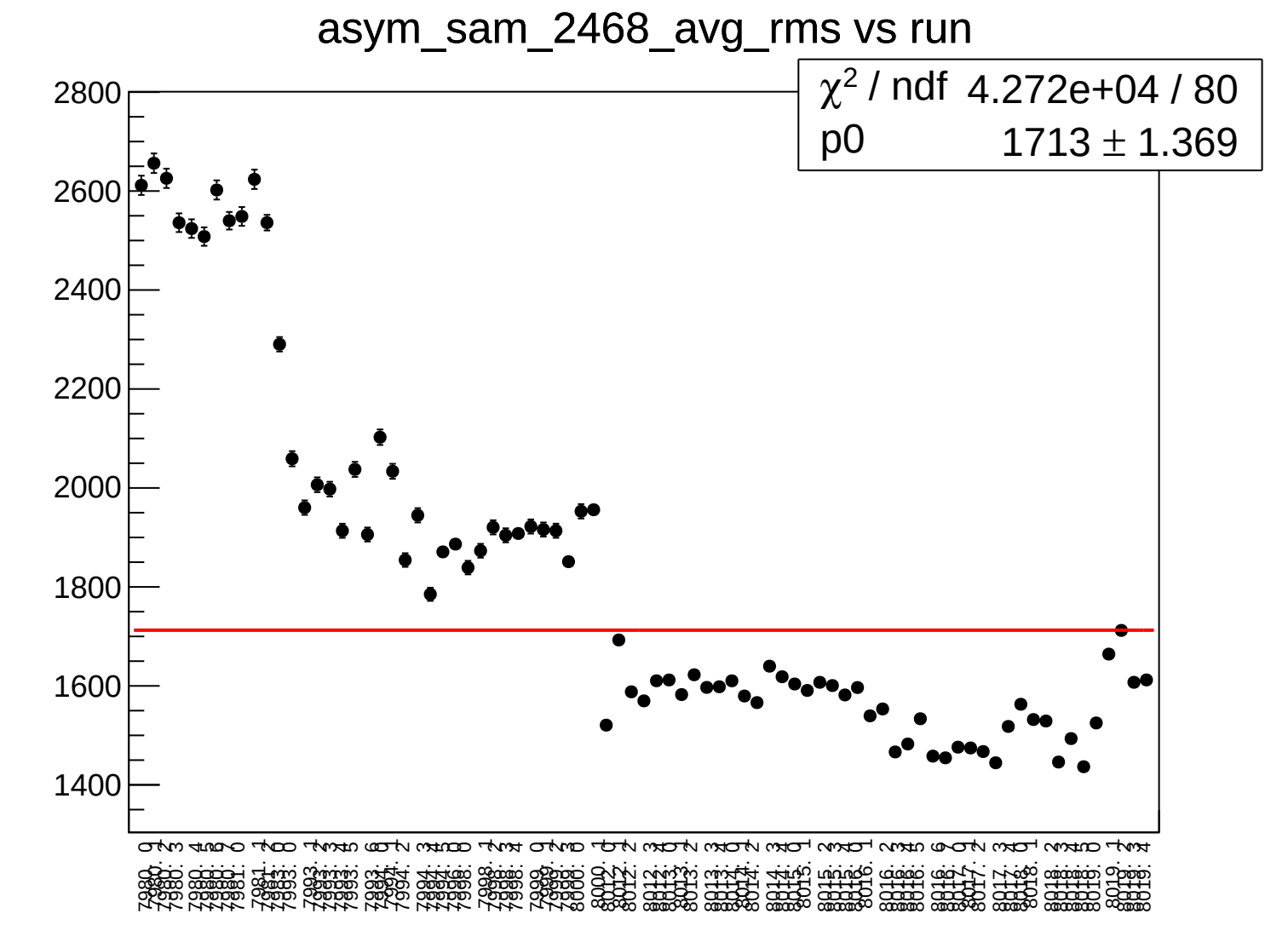

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 105.2 / 80
p0 2269 ± 1970
pull
Entries 81
Mean −61.22
Std Dev 66.51

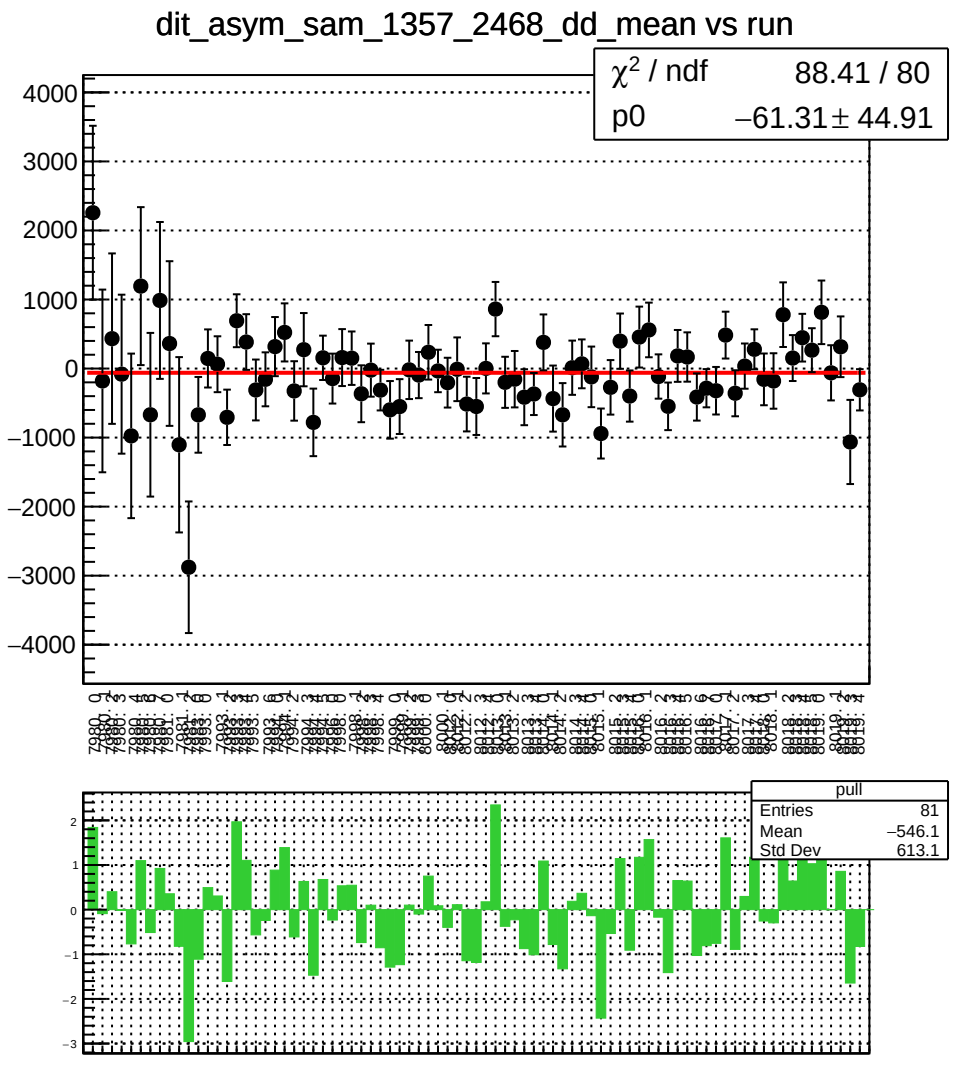

pull1D
Entries 81
Mean −0.01226
Std Dev 1.139

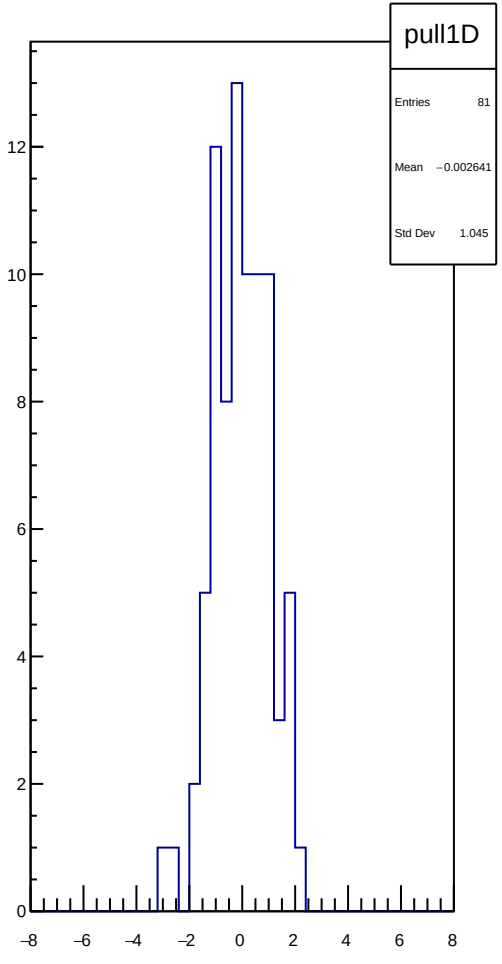

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.698e+04 / 80
p0 1757 ± 1.393
2200
2100
2000
1900
1800
1700
1600
1500

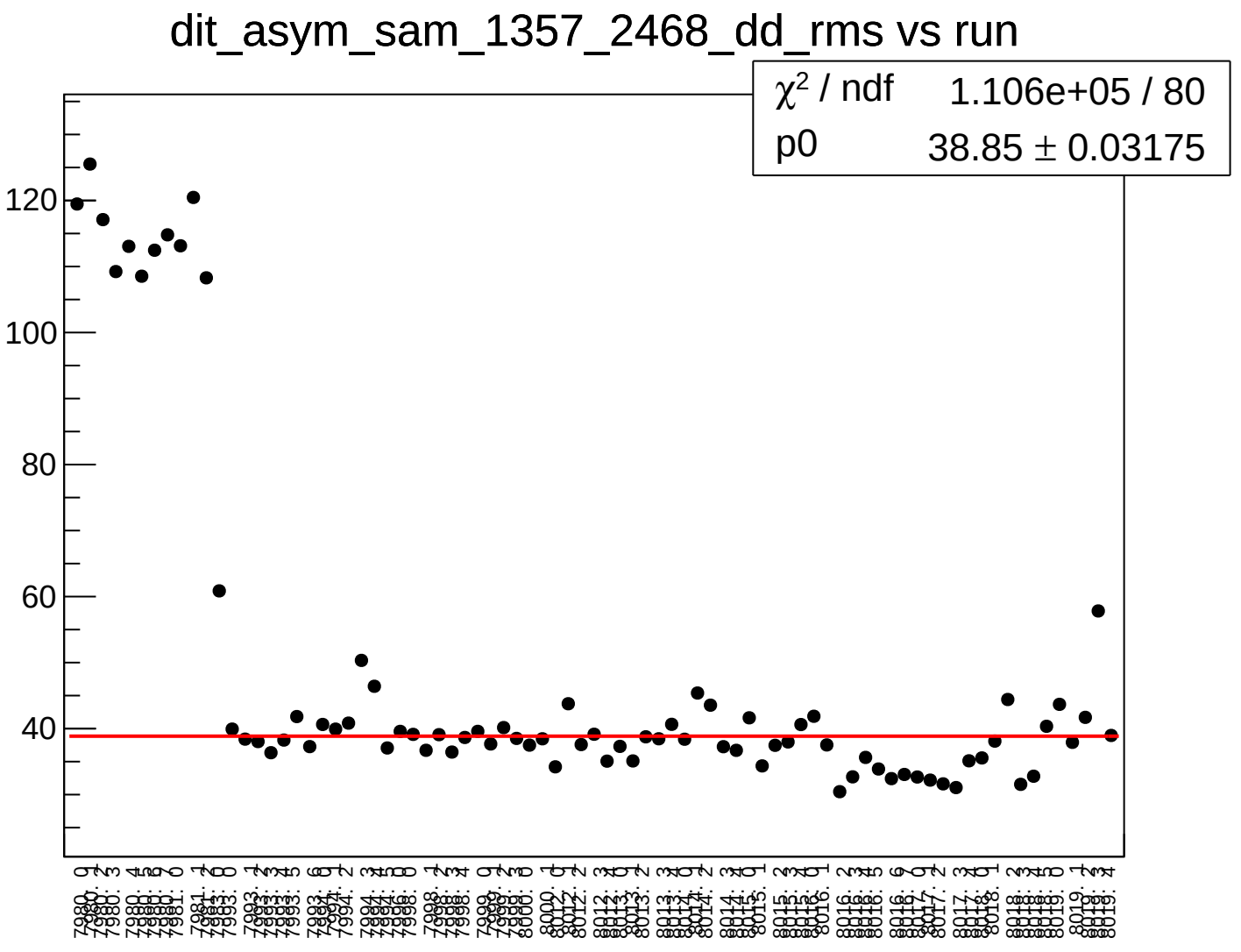

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 105.7 / 80
p0 −2624 ± 1936
pull
Entries 81
Mean 12.24
Std Dev 40.44

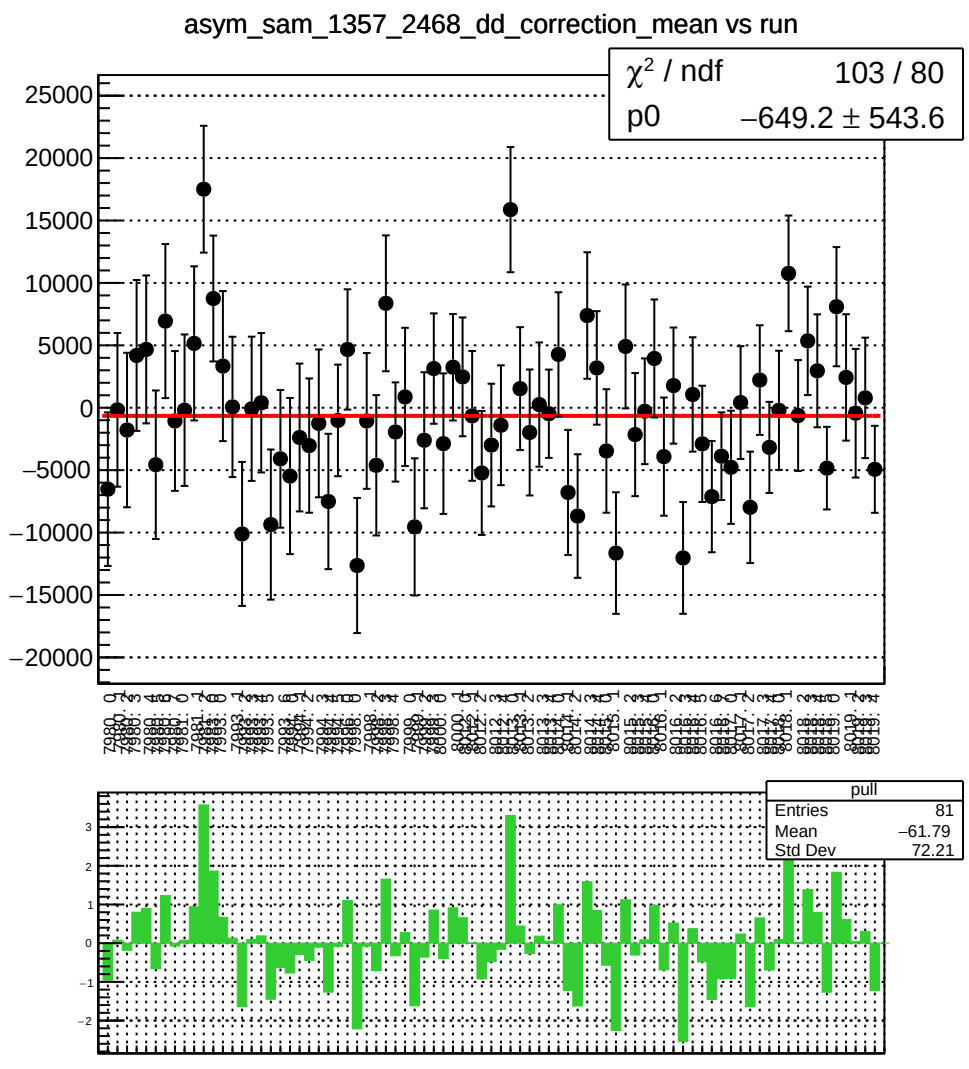

pull1D
Entries 81
Mean 0.02736
Std Dev 1.142

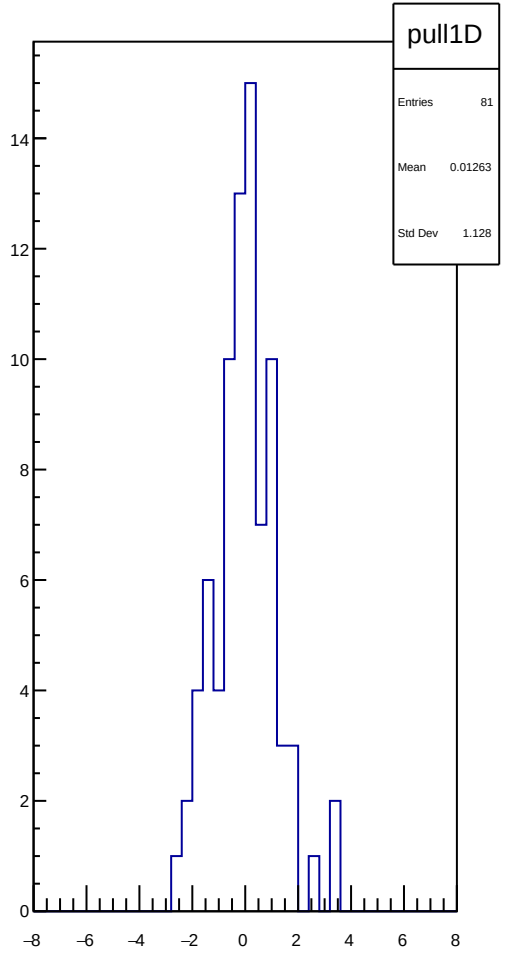

asym_sam_2468_avg_rms vs run
χ² / ndf 4.272e+04 / 80
p0 1713 ± 1.369
2800
2600
2400
2200
2000
1800
1600
1400

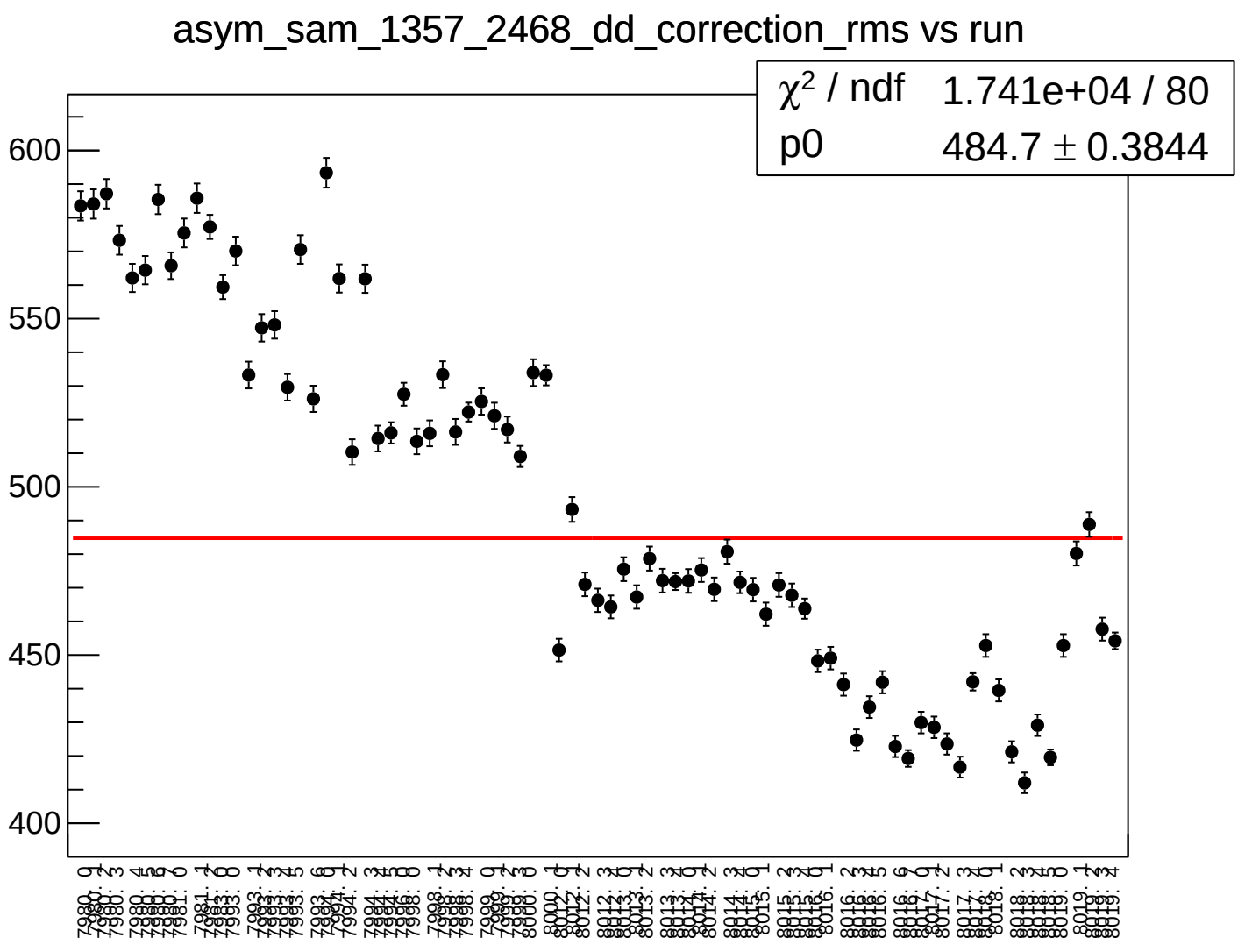

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 88.41 / 80
p0 −61.31 ± 44.91
pull
Entries 81
Mean −546.1
Std Dev 613.1

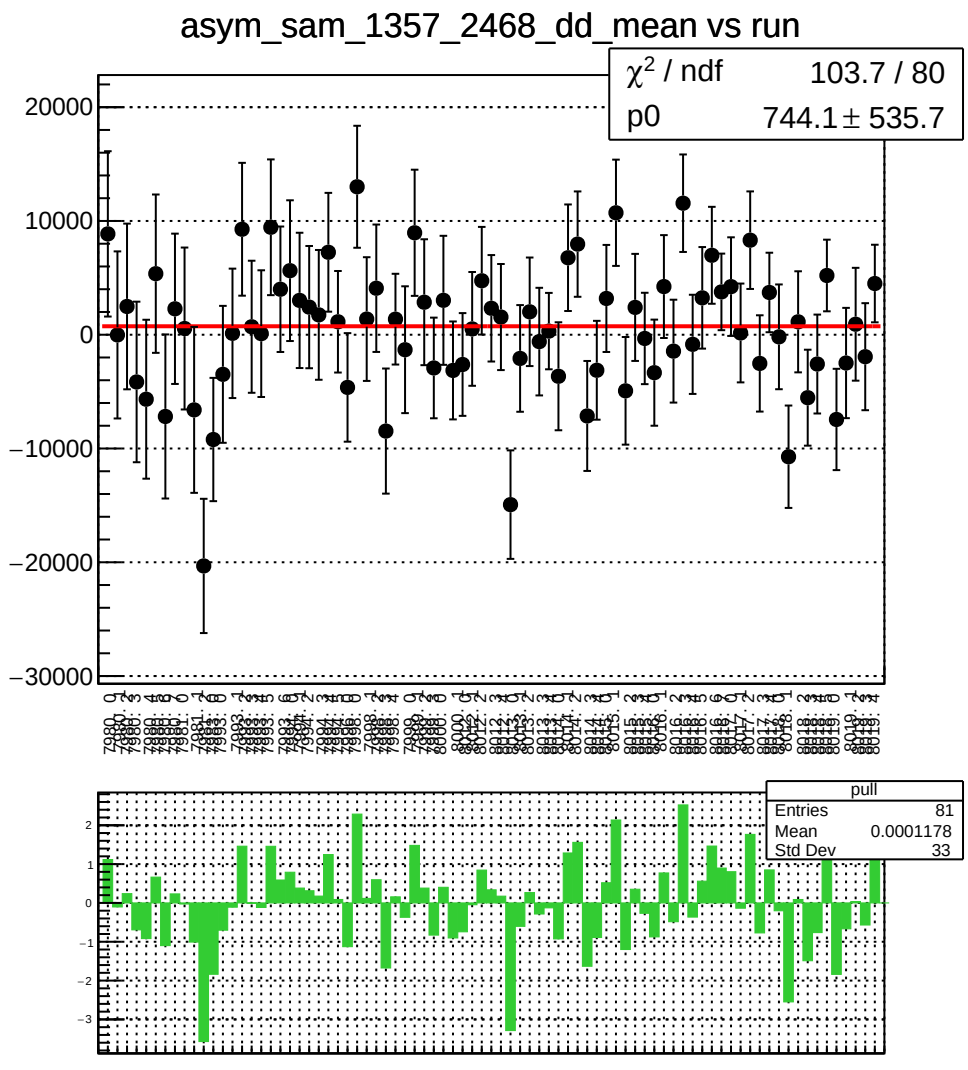

pull1D
Entries 81
Mean −0.002641
Std Dev 1.045

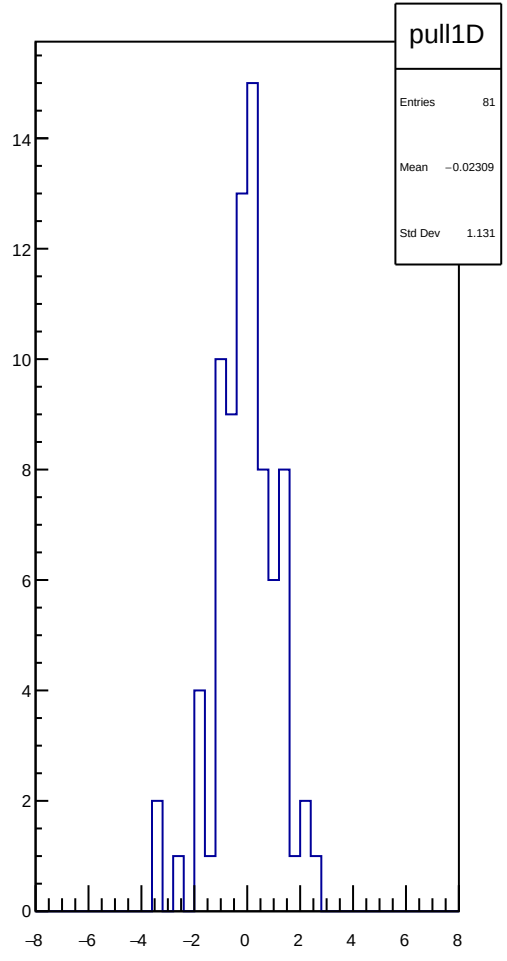

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.106e+05 / 80
p0 38.85 ± 0.03175
120
100
80
60
40

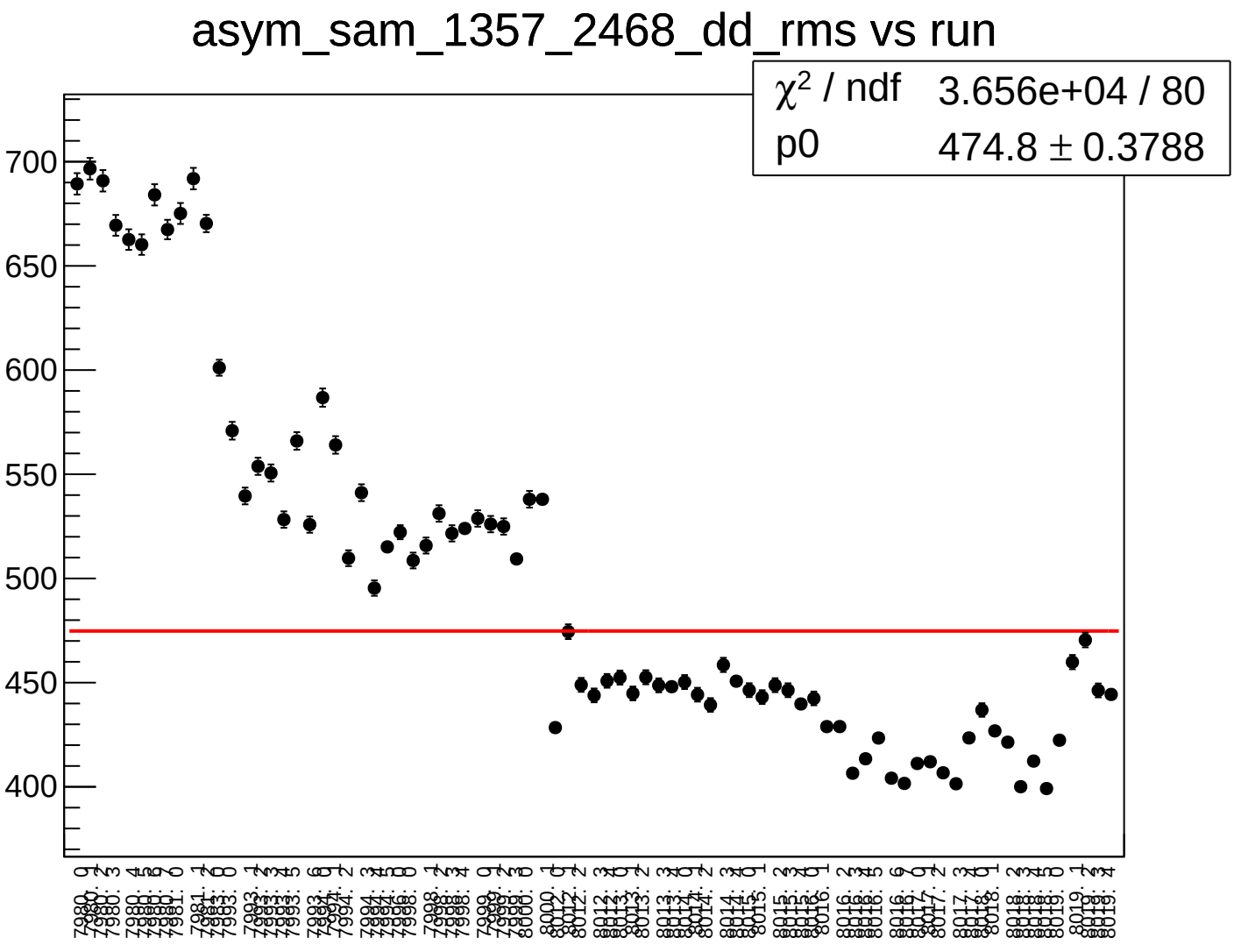

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 103 / 80
p0 −649.2 ± 543.6
pull
Entries 81
Mean −61.79
Std Dev 72.21

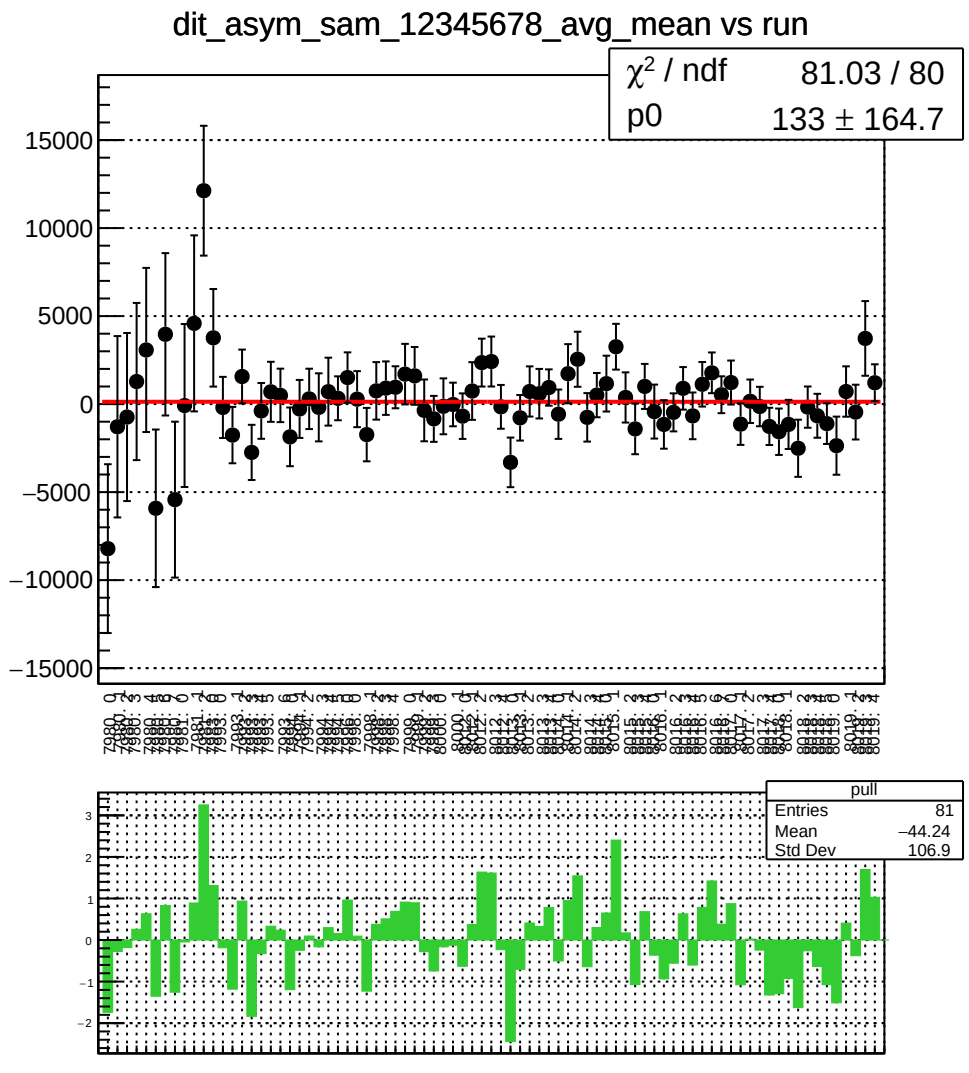

pull1D
Entries 81
Mean 0.01263
Std Dev 1.128

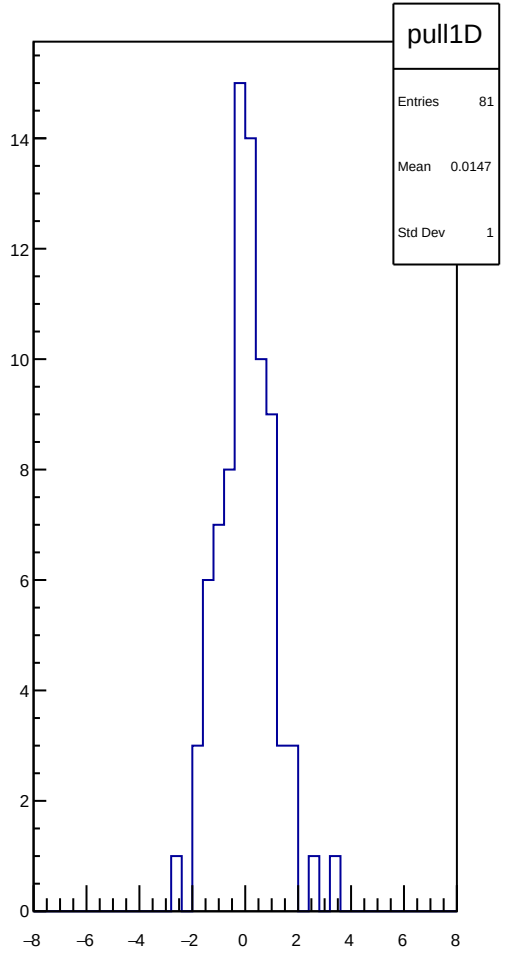

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.741e+04 / 80
p0 484.7 ± 0.3844
600
550
500
450
400

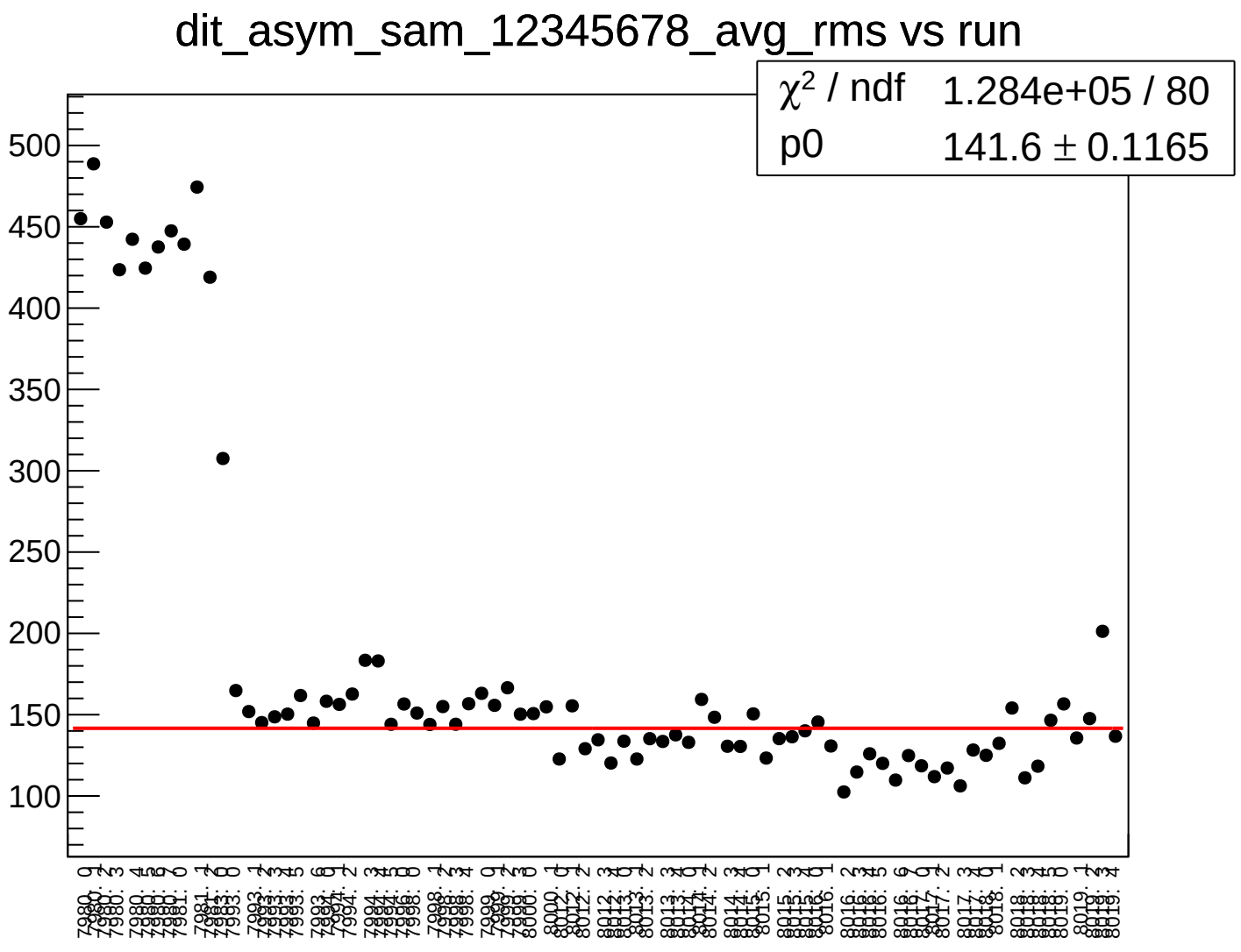

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 103.7 / 80
p0 744.1 ± 535.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 0.0001178
Std Dev 33
2
1
0
−1
−2
−3

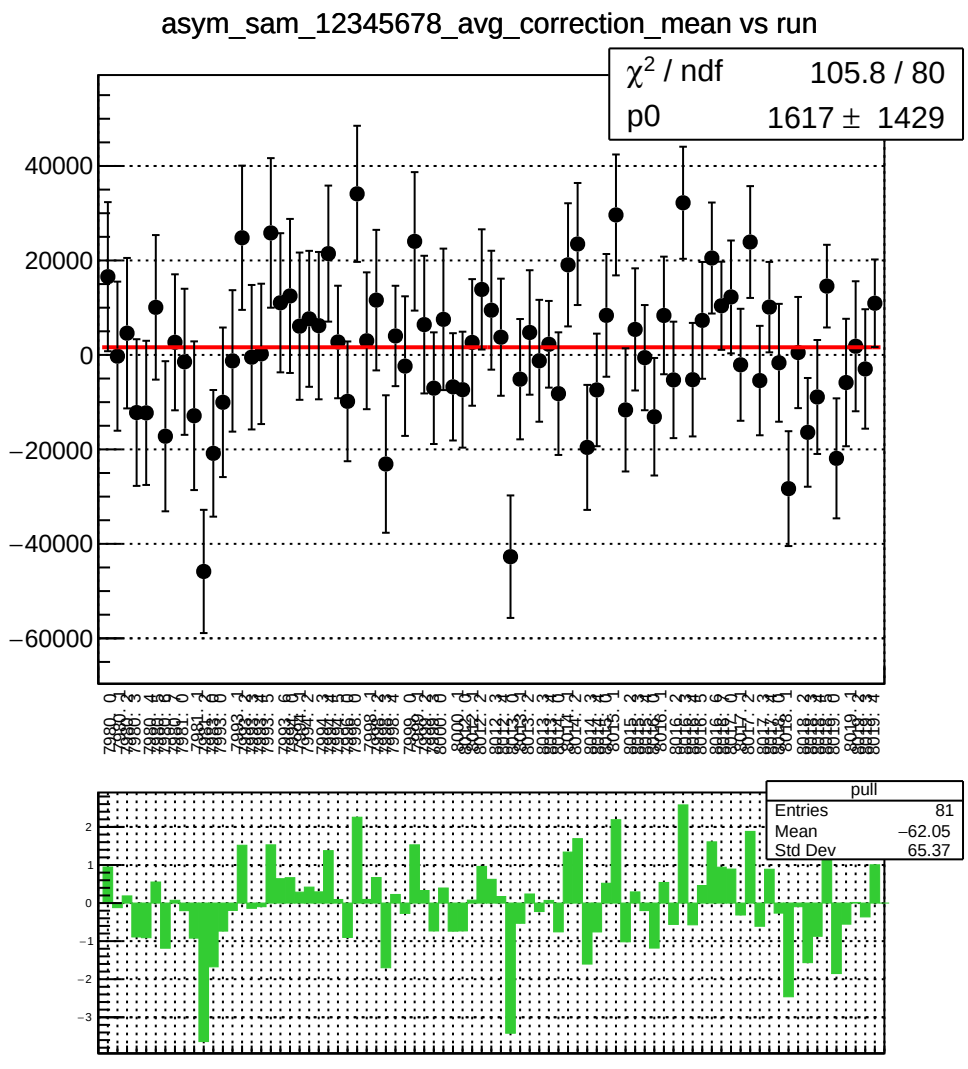

pull1D
Entries 81
Mean −0.02309
Std Dev 1.131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

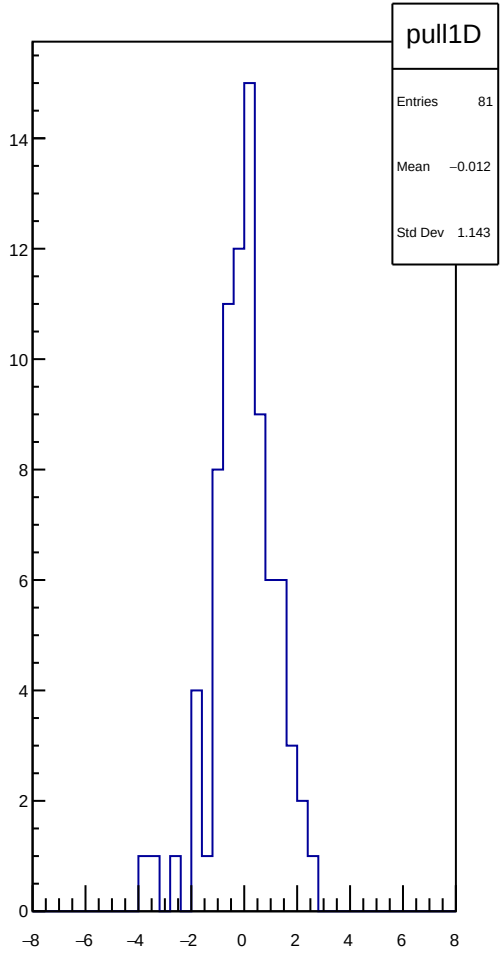

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.656e+04 / 80
p0 474.8 ± 0.3788
700
650
600
550
500
450
400

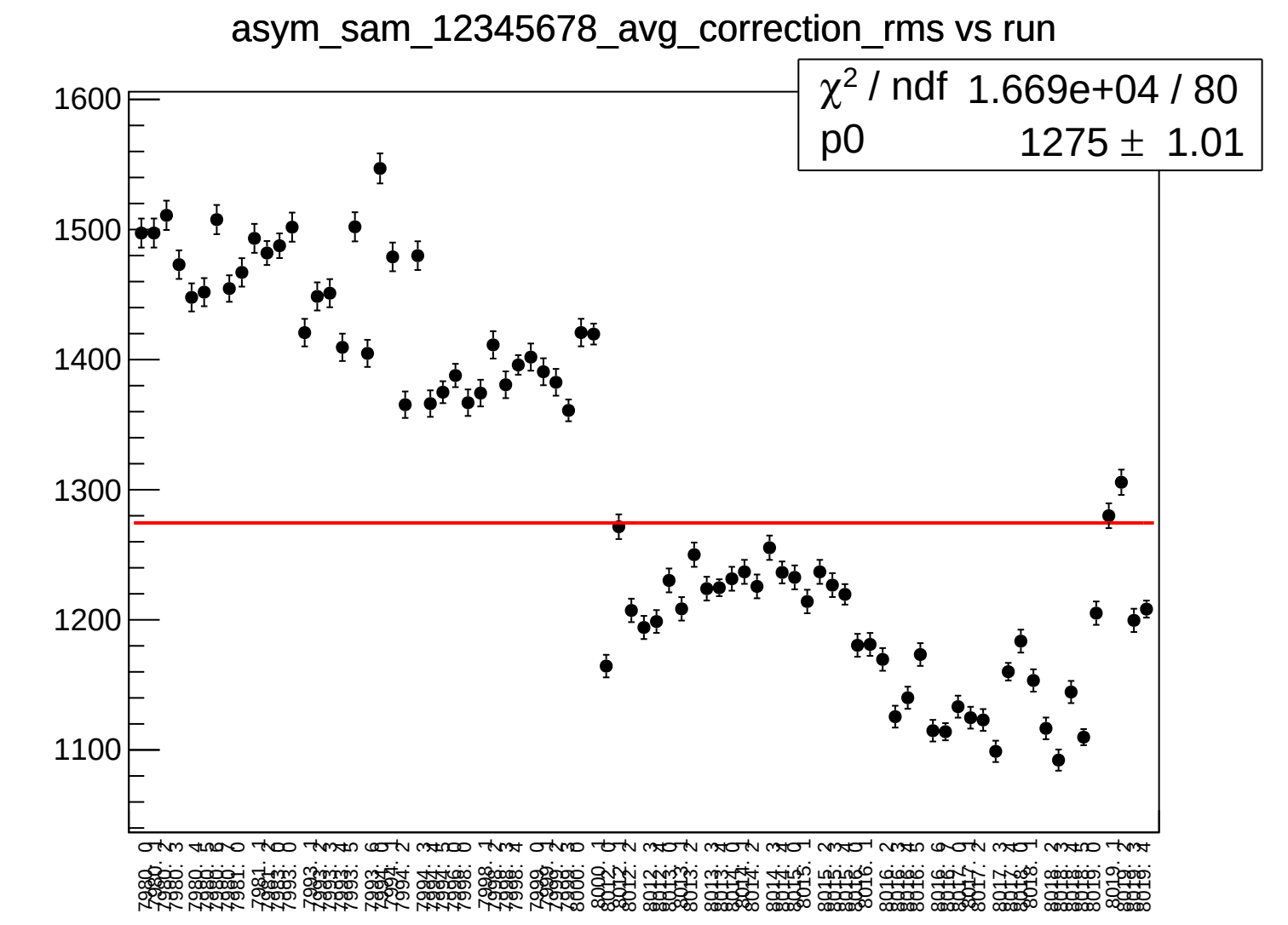

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 81.03 / 80
p0 133 ± 164.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −44.24
Std Dev 106.9
3
2
1
0
−1
−2

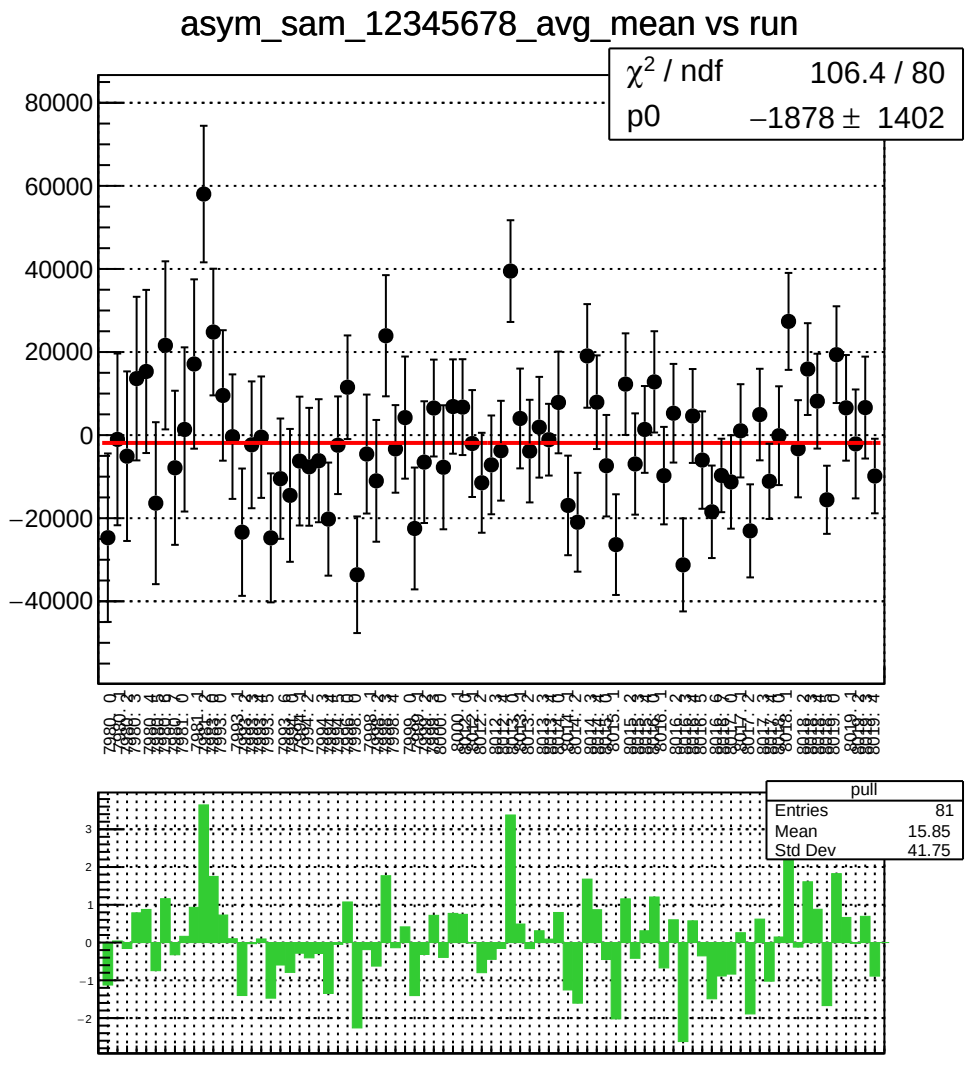

pull1D
Entries 81
Mean 0.0147
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

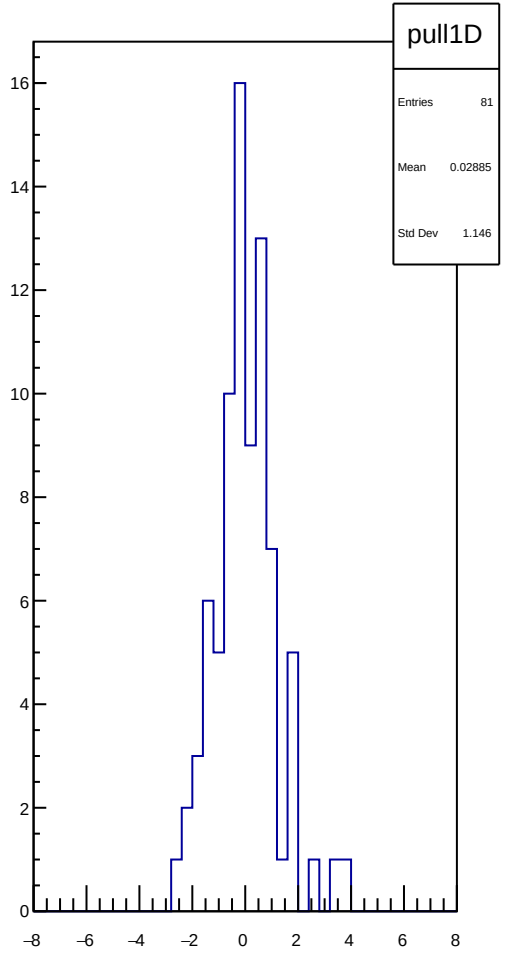

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.284e+05 / 80
p0 141.6 ± 0.1165
500
450
400
350
300
250
200
150
100

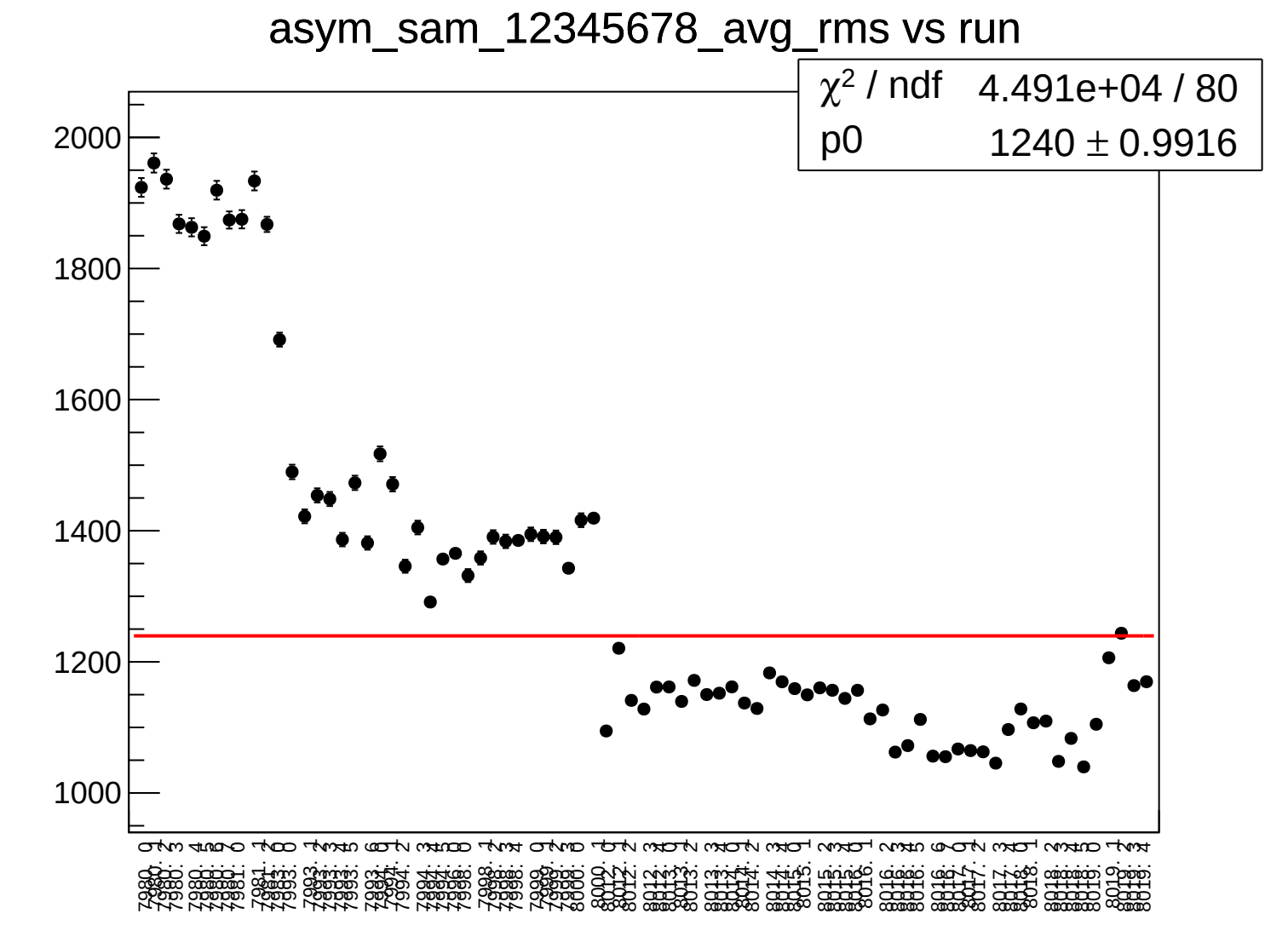

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 105.8 / 80
p0 1617 ± 1429
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −62.05
Std Dev 65.37
2
1
0
−1
−2
−3

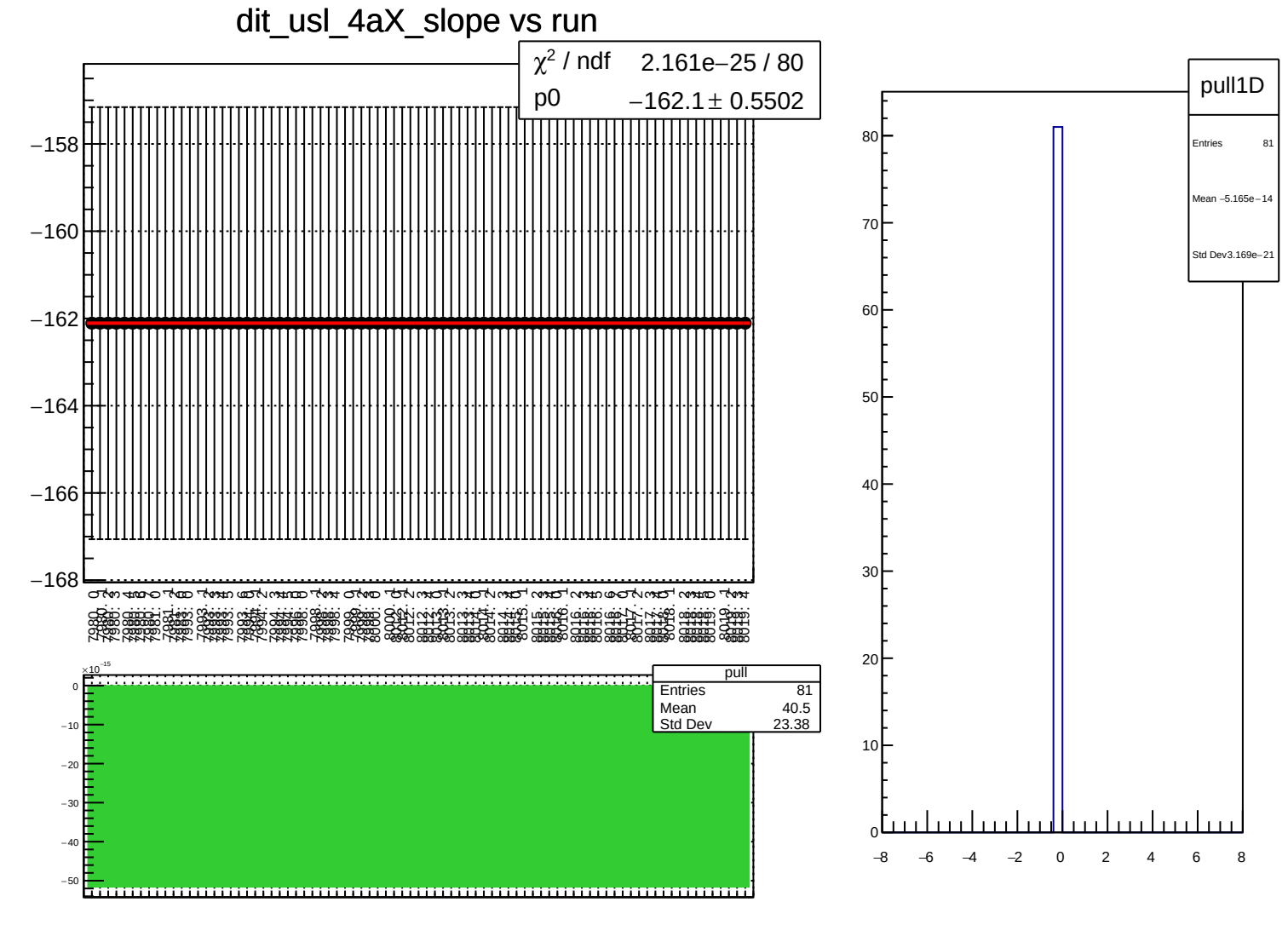

pull1D
Entries 81
Mean −0.012
Std Dev 1.143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

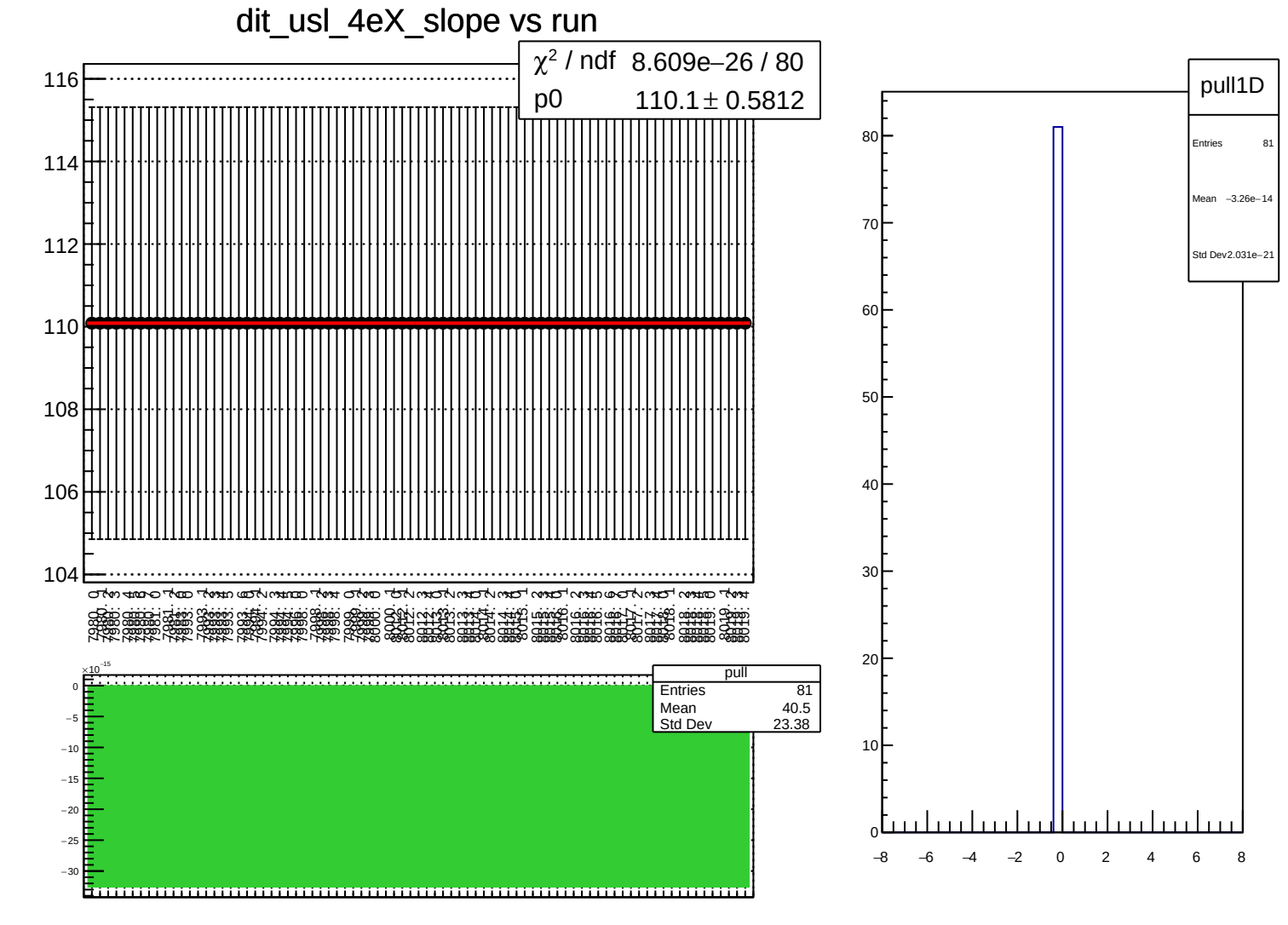

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.669e+04 / 80
p0 1275 ± 1.01
1600
1500
1400
1300
1200
1100

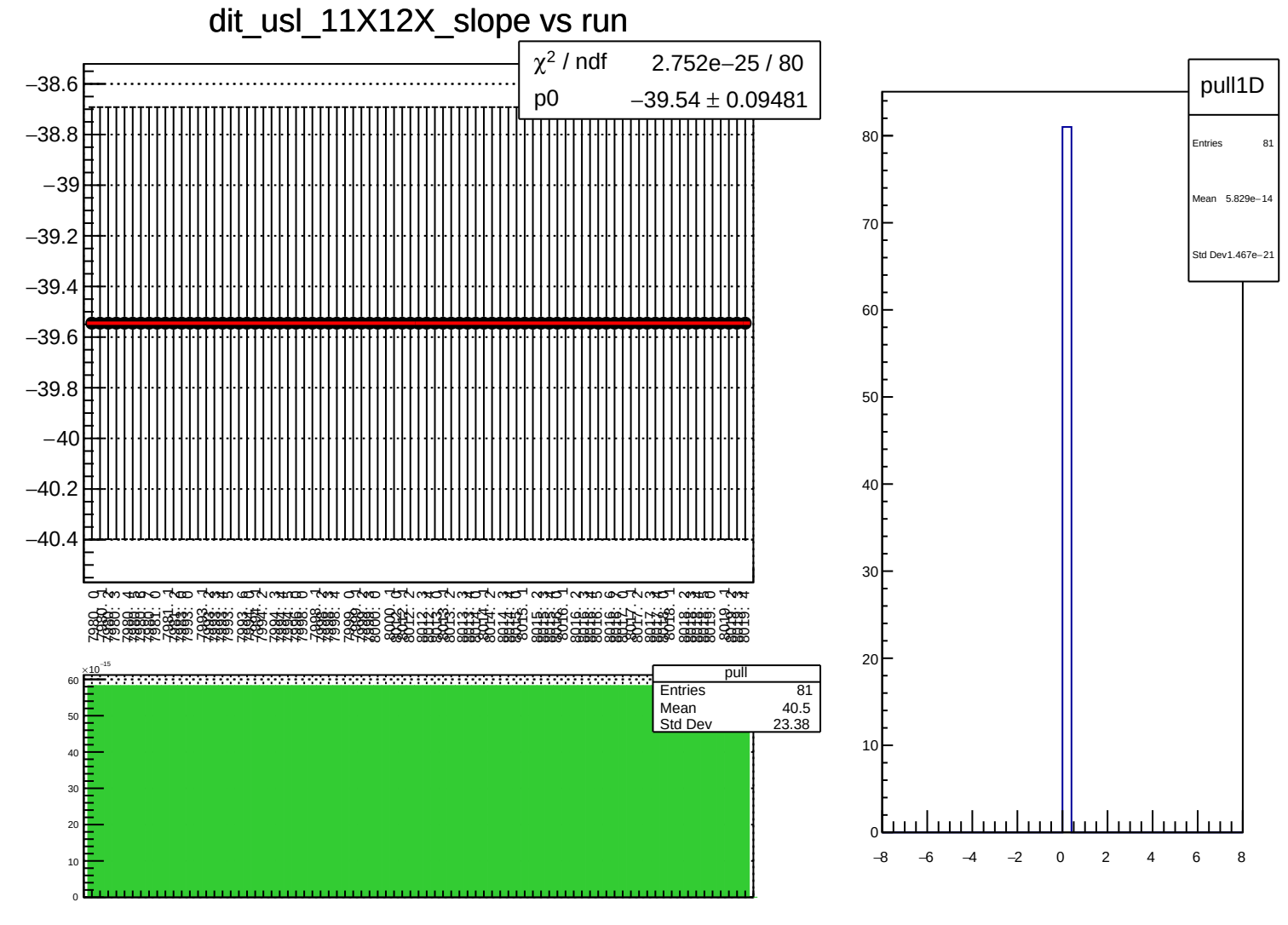

asym_sam_12345678_avg_mean vs run
χ² / ndf 106.4 / 80
p0 −1878 ± 1402
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 15.85
Std Dev 41.75
3
2
1
0
−1
−2

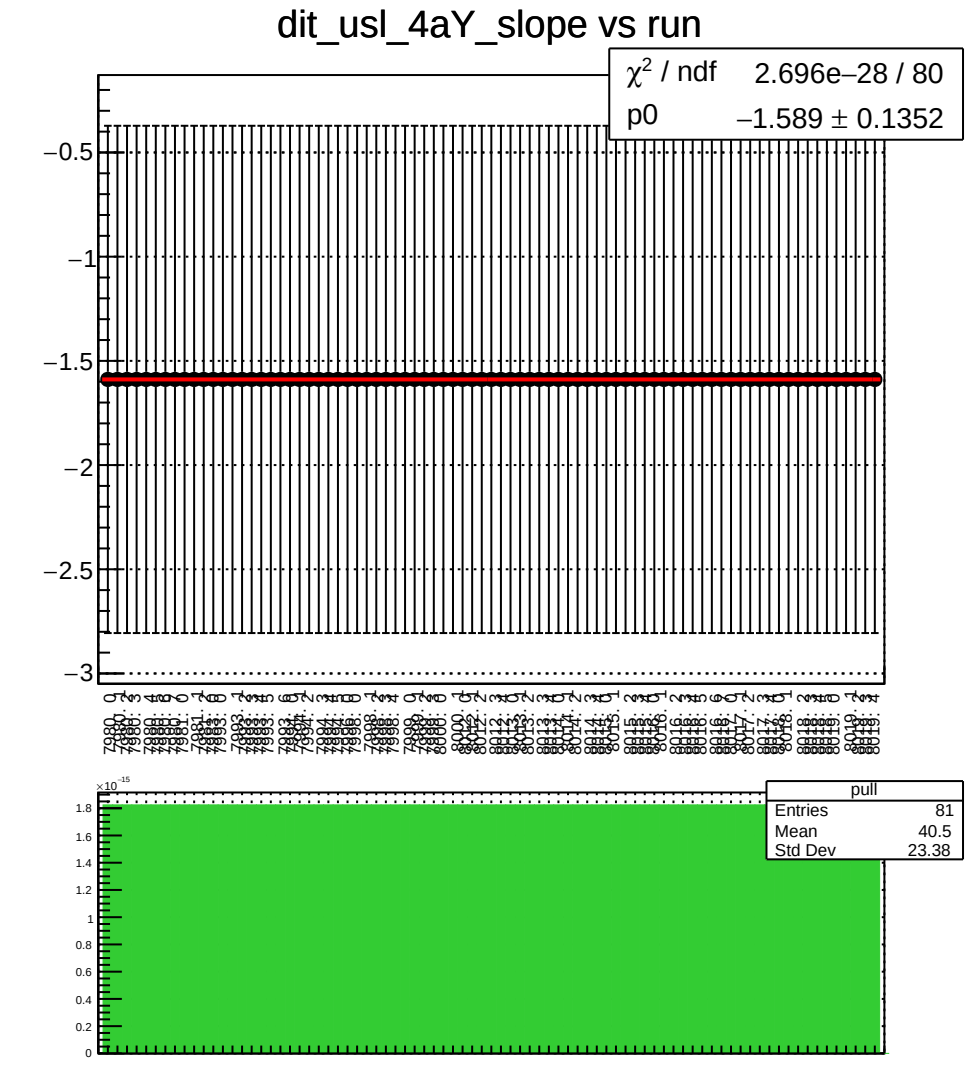

pull1D
Entries 81
Mean 0.02885
Std Dev 1.146
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

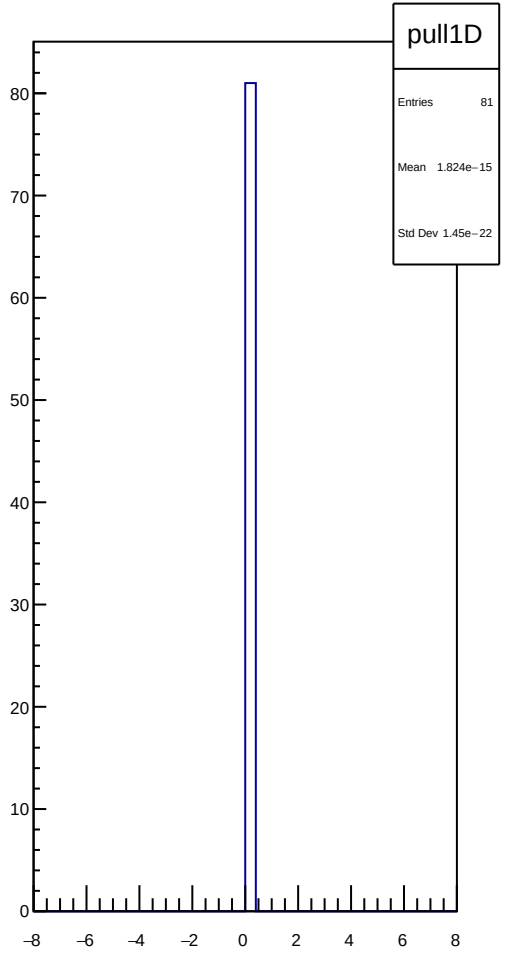

asym_sam_12345678_avg_rms vs run
χ² / ndf 4.491e+04 / 80
p0 1240 ± 0.9916
2000
1800
1600
1400
1200
1000

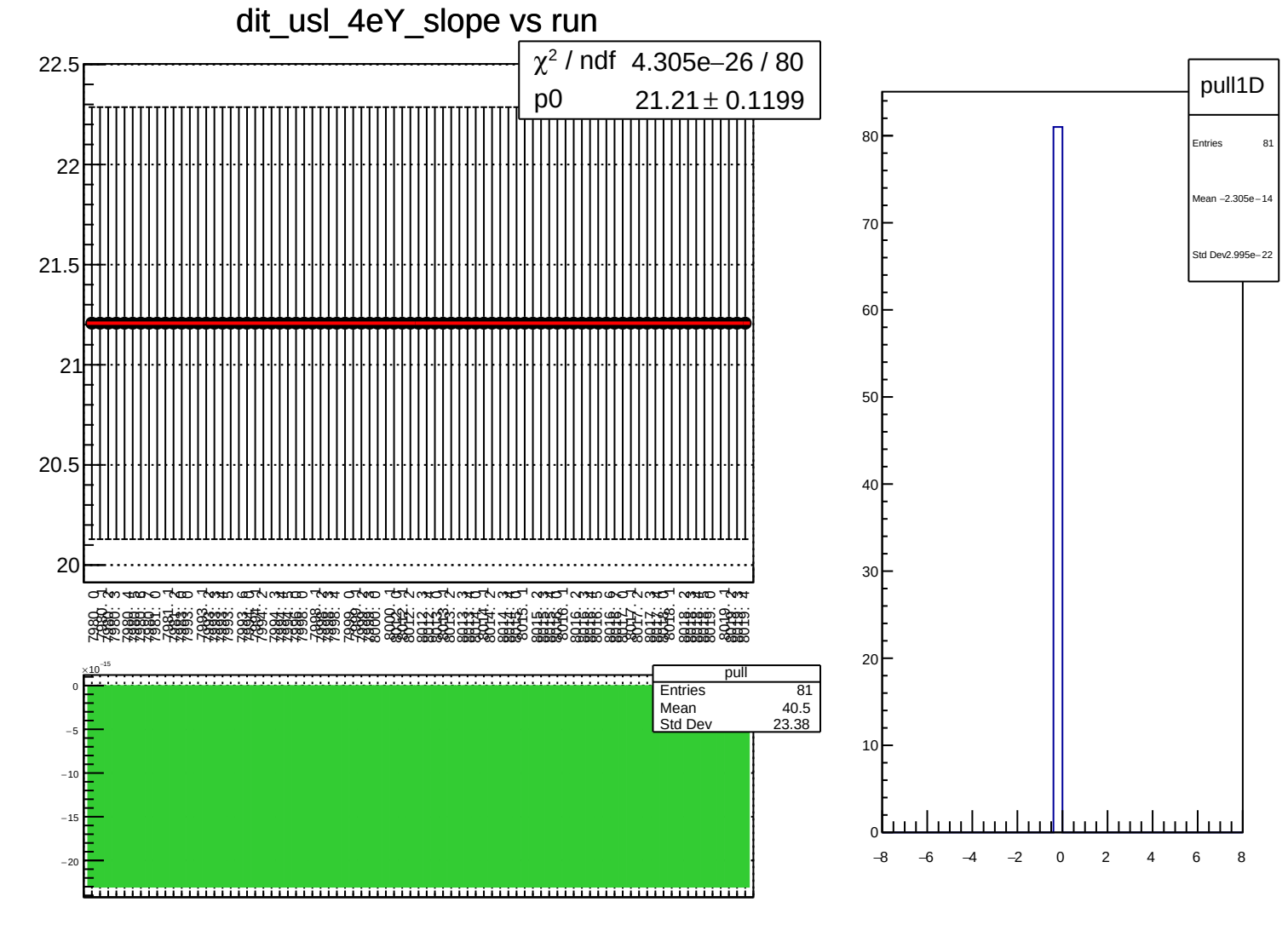

dit_usl_4aX_slope vs run
χ² / ndf 2.161e−25 / 80
p0 −162.1 ± 0.5502
−158
−160
−162
−164
−166
−168
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −5.165e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

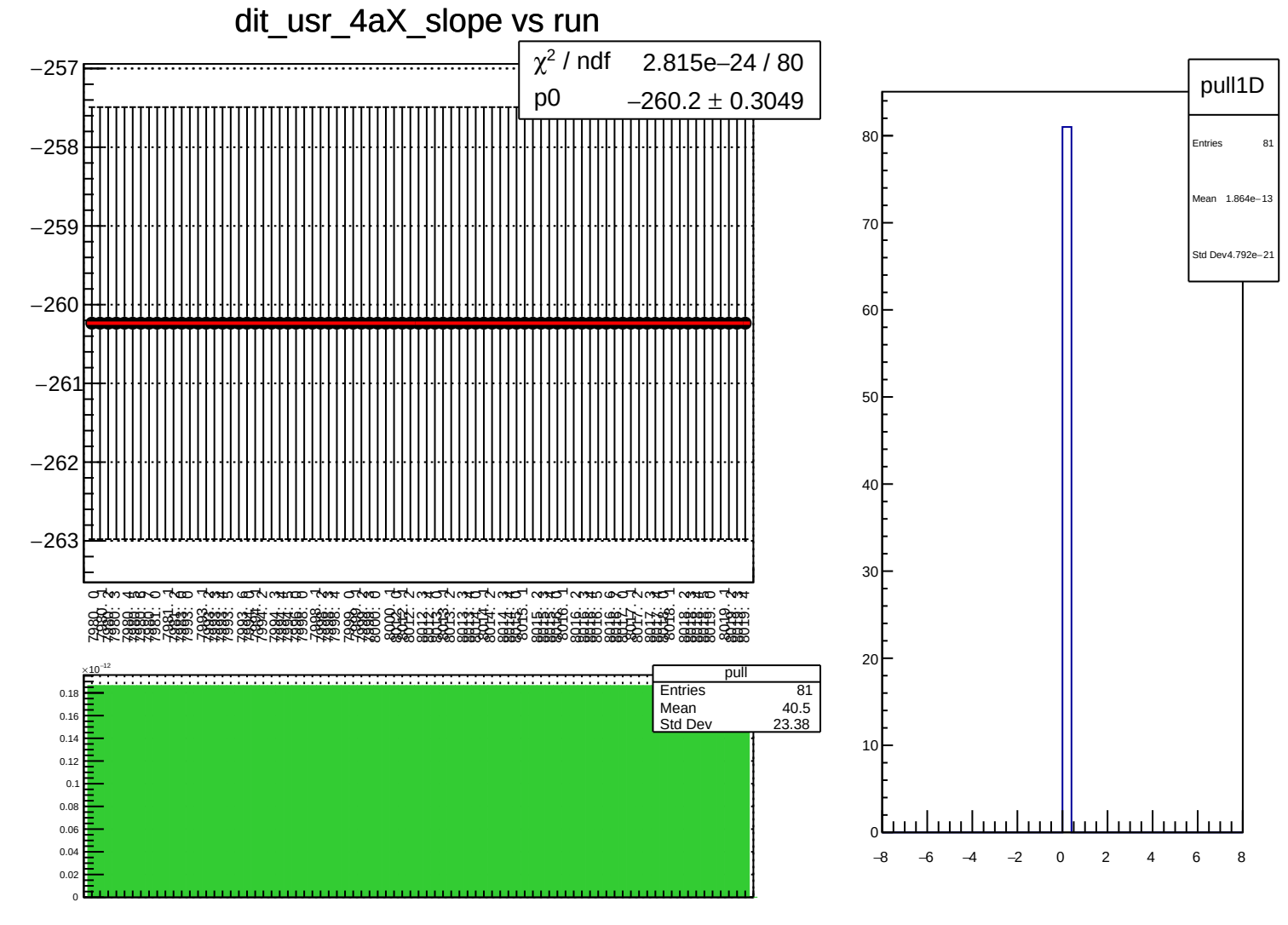

dit_usl_4eX_slope vs run
χ² / ndf 8.609e−26 / 80
p0 110.1 ± 0.5812
116
114
112
110
108
106
104
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 81
Mean −3.26e−14
Std Dev2.031e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

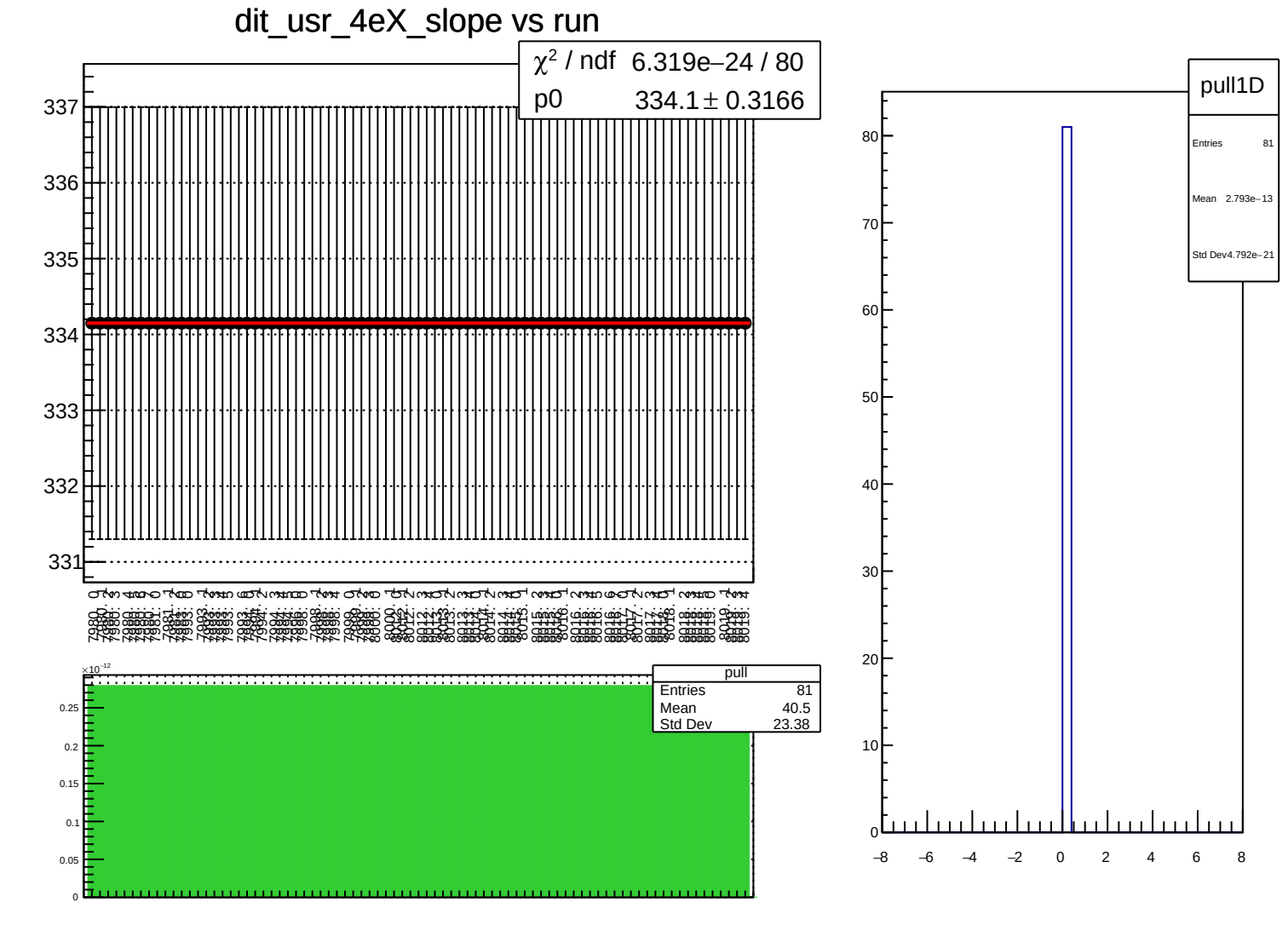

dit_usl_11X12X_slope vs run
χ² / ndf 2.752e−25 / 80
p0 −39.54 ± 0.09481
−38.6
−38.8
−39
−39.2
−39.4
−39.6
−39.8
−40
−40.2
−40.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 81
Mean 5.829e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

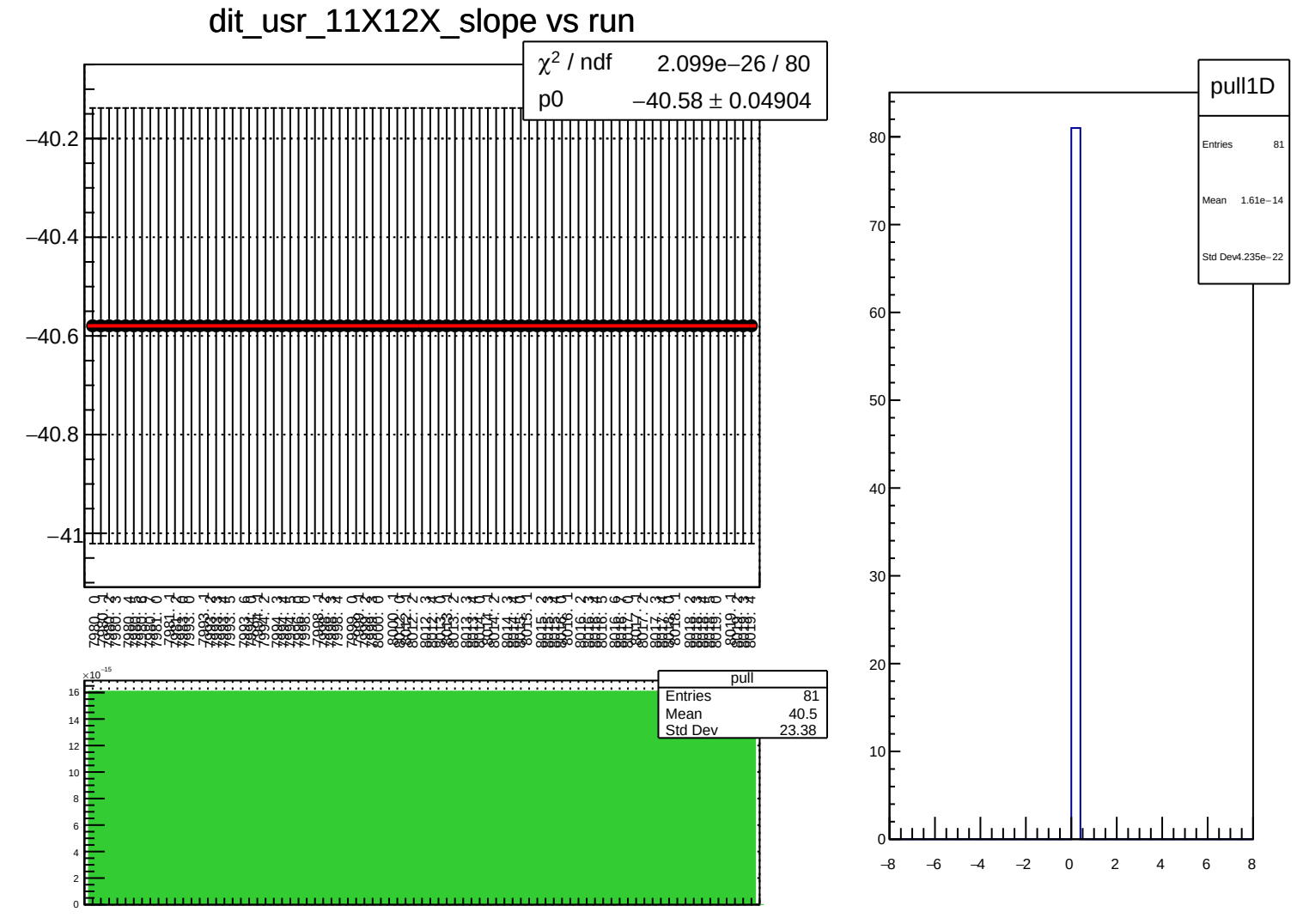

dit_usl_4aY_slope vs run
χ² / ndf 2.696e−28 / 80
p0 −1.589 ± 0.1352
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

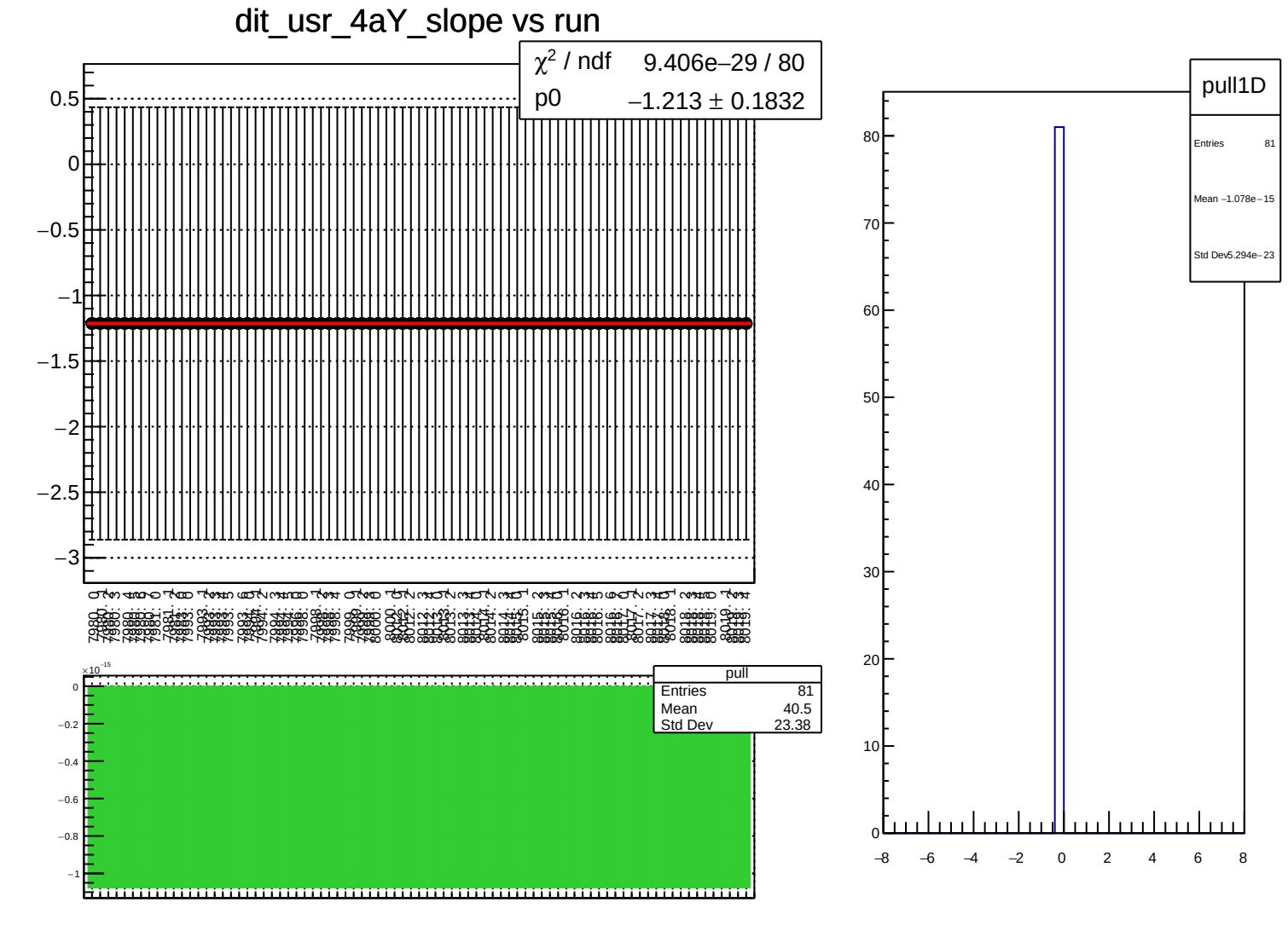

pull1D
Entries 81
Mean 1.824e−15
Std Dev 1.45e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

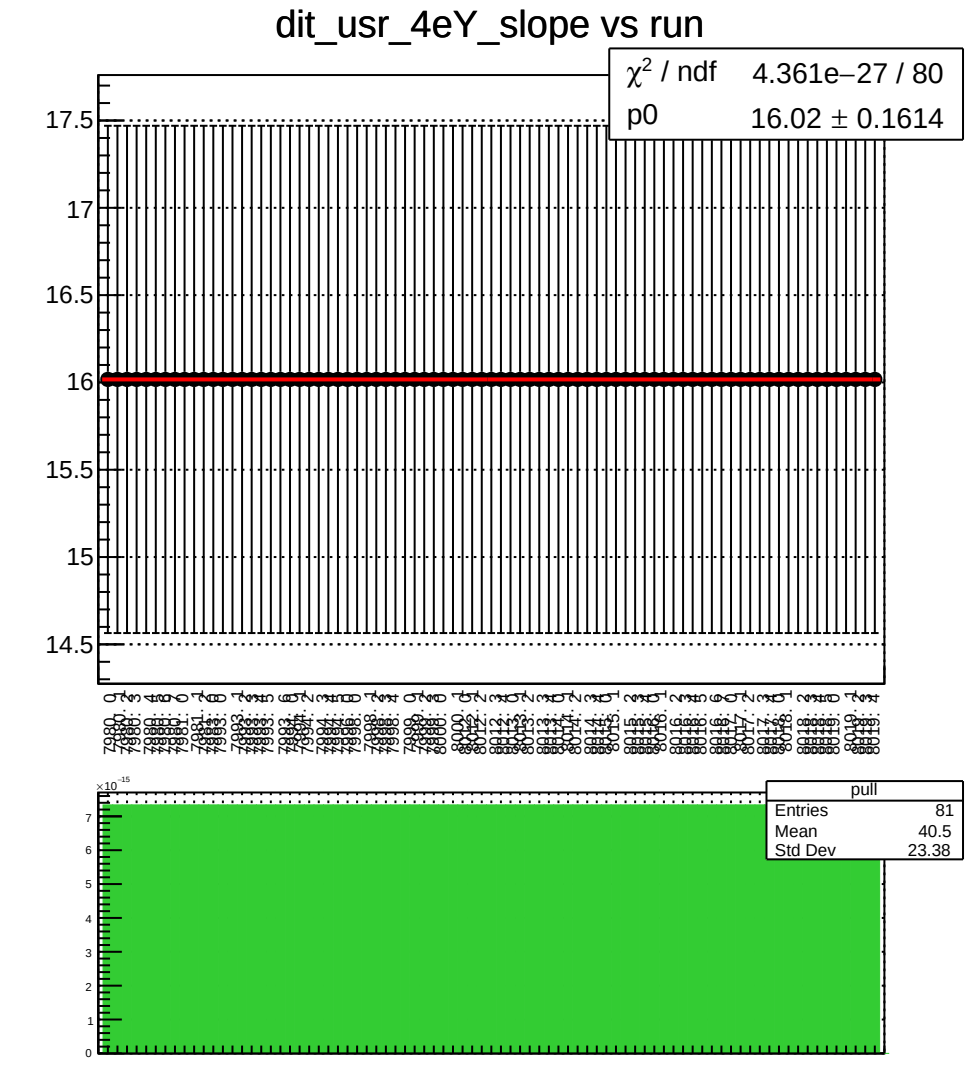

dit_usl_4eY_slope vs run
χ² / ndf 4.305e−26 / 80
p0 21.21 ± 0.1199
22.5
22
21.5
21
20.5
20
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −2.305e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

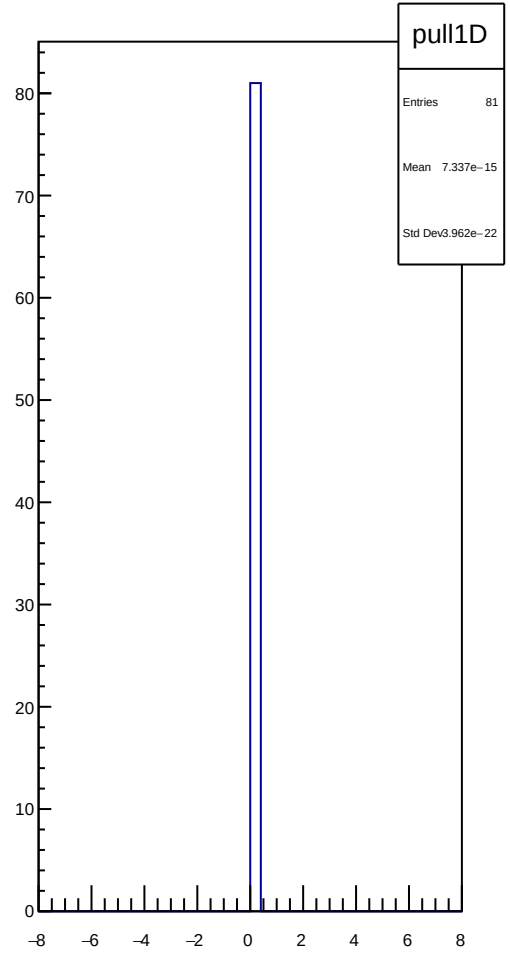

dit_usr_4aX_slope vs run
χ² / ndf 2.815e−24 / 80
p0 −260.2 ± 0.3049
−257
−258
−259
−260
−261
−262
−263
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.864e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

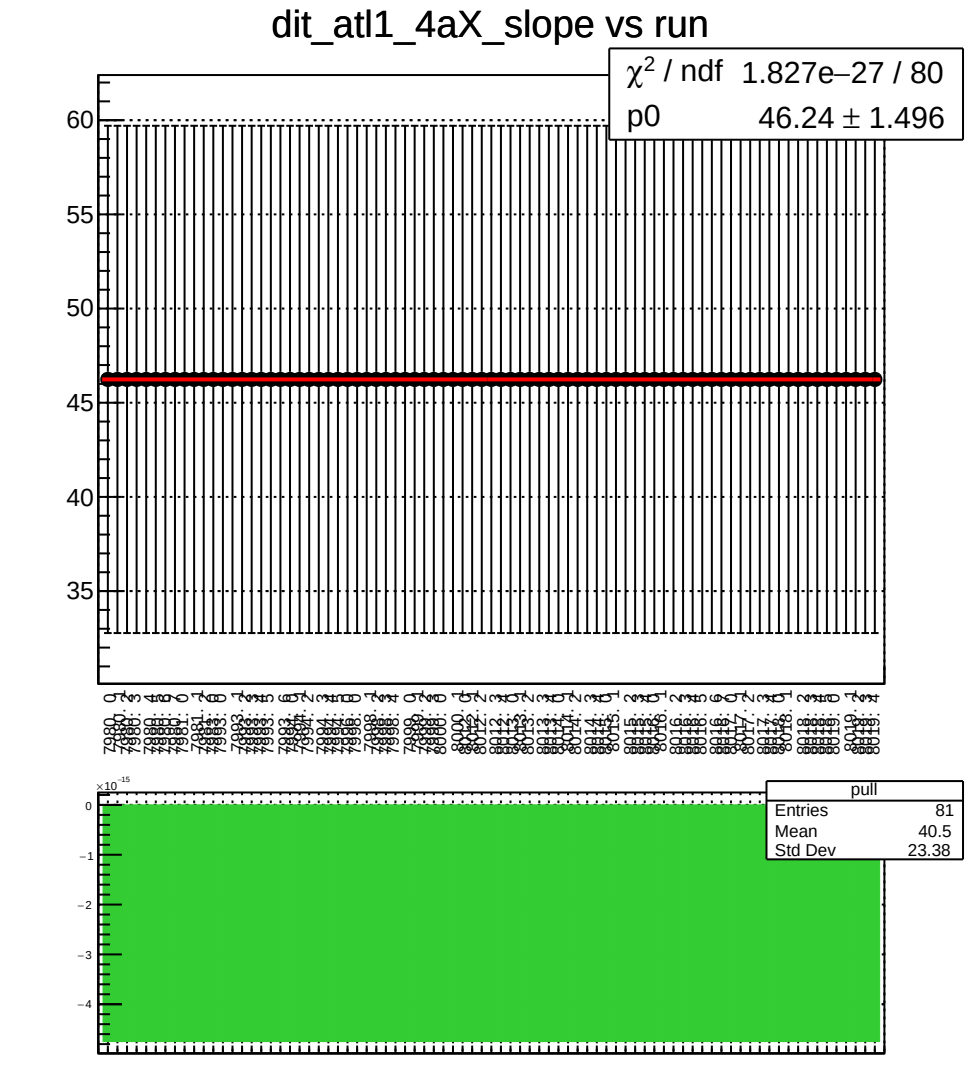

dit_usr_4eX_slope vs run
χ² / ndf 6.319e−24 / 80
p0 334.1 ± 0.3166
337
336
335
334
333
332
331
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 81
Mean 2.793e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

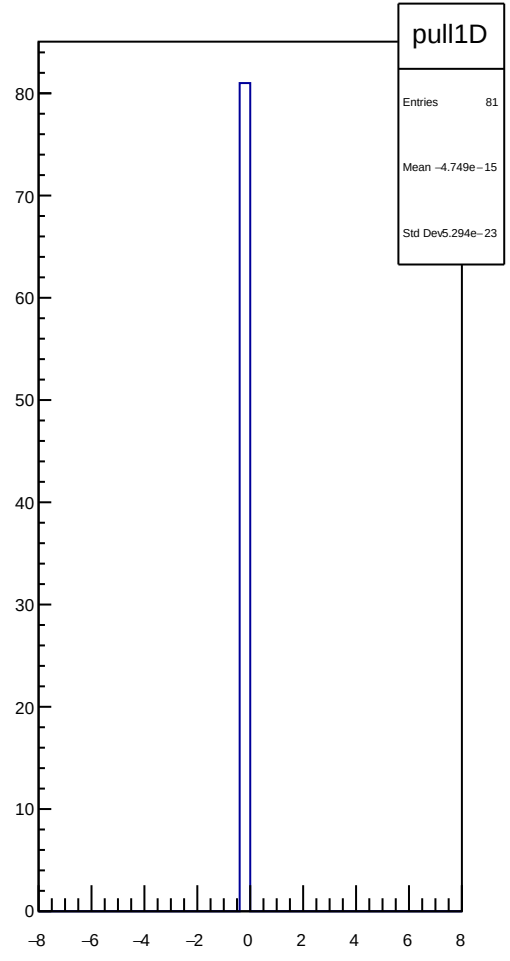

dit_usr_11X12X_slope vs run
χ² / ndf 2.099e−26 / 80
p0 −40.58 ± 0.04904
−40.2
−40.4
−40.6
−40.8
−41
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 1.61e−14
Std Dev4.235e−22

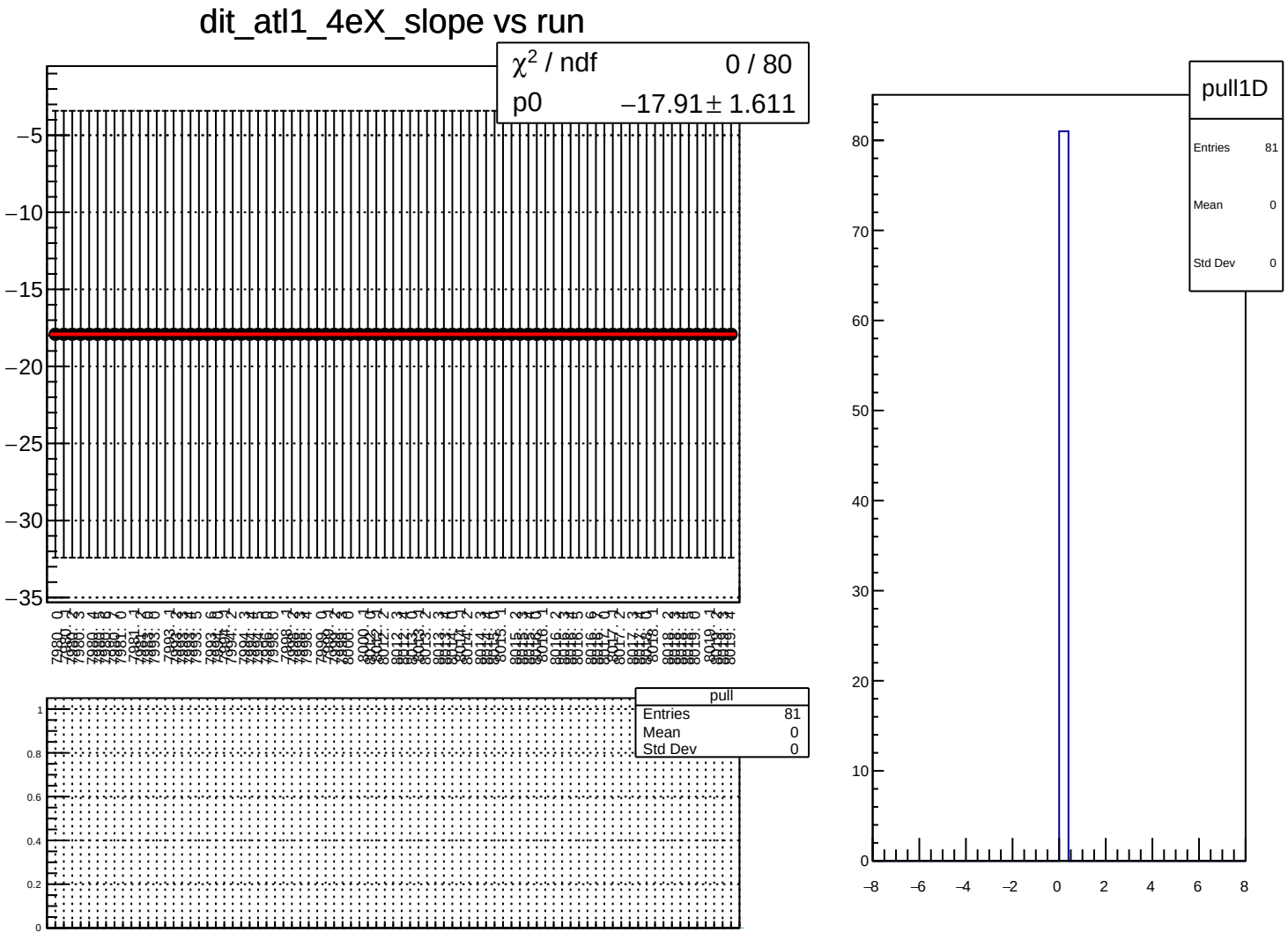

dit_usr_4aY_slope vs run
χ² / ndf 9.406e−29 / 80
p0 −1.213 ± 0.1832
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 81
Mean −1.078e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

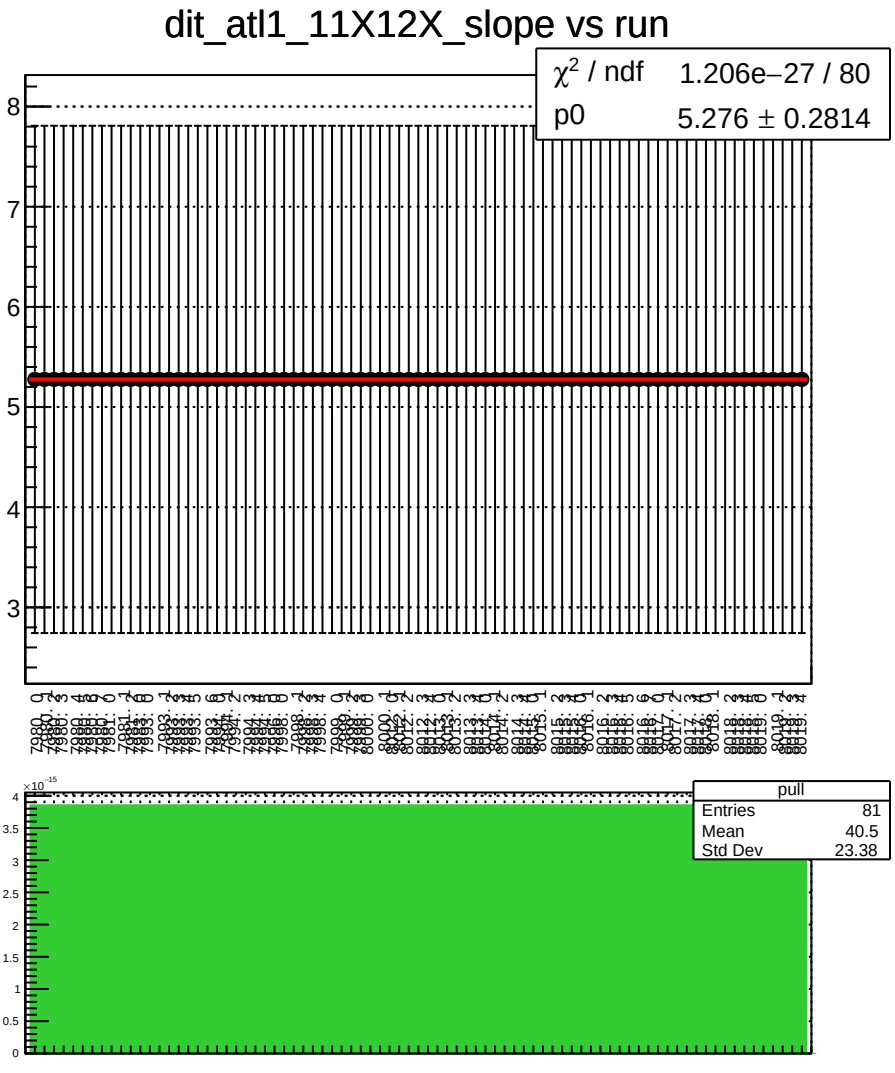

dit_usr_4eY_slope vs run
χ² / ndf 4.361e−27 / 80
p0 16.02 ± 0.1614
17.5
17
16.5
16
15.5
15
14.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
7
6
5
4
3
2
1
0

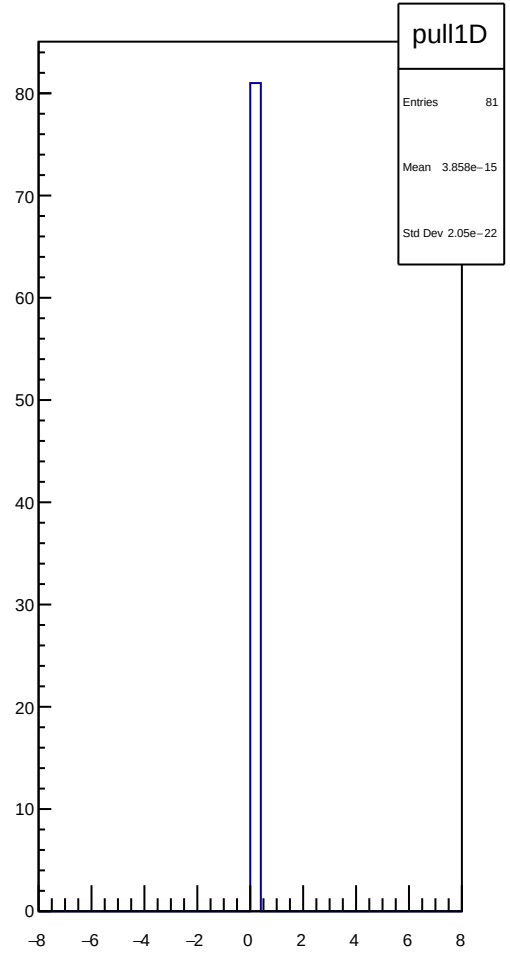

pull1D
Entries 81
Mean 7.337e−15
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

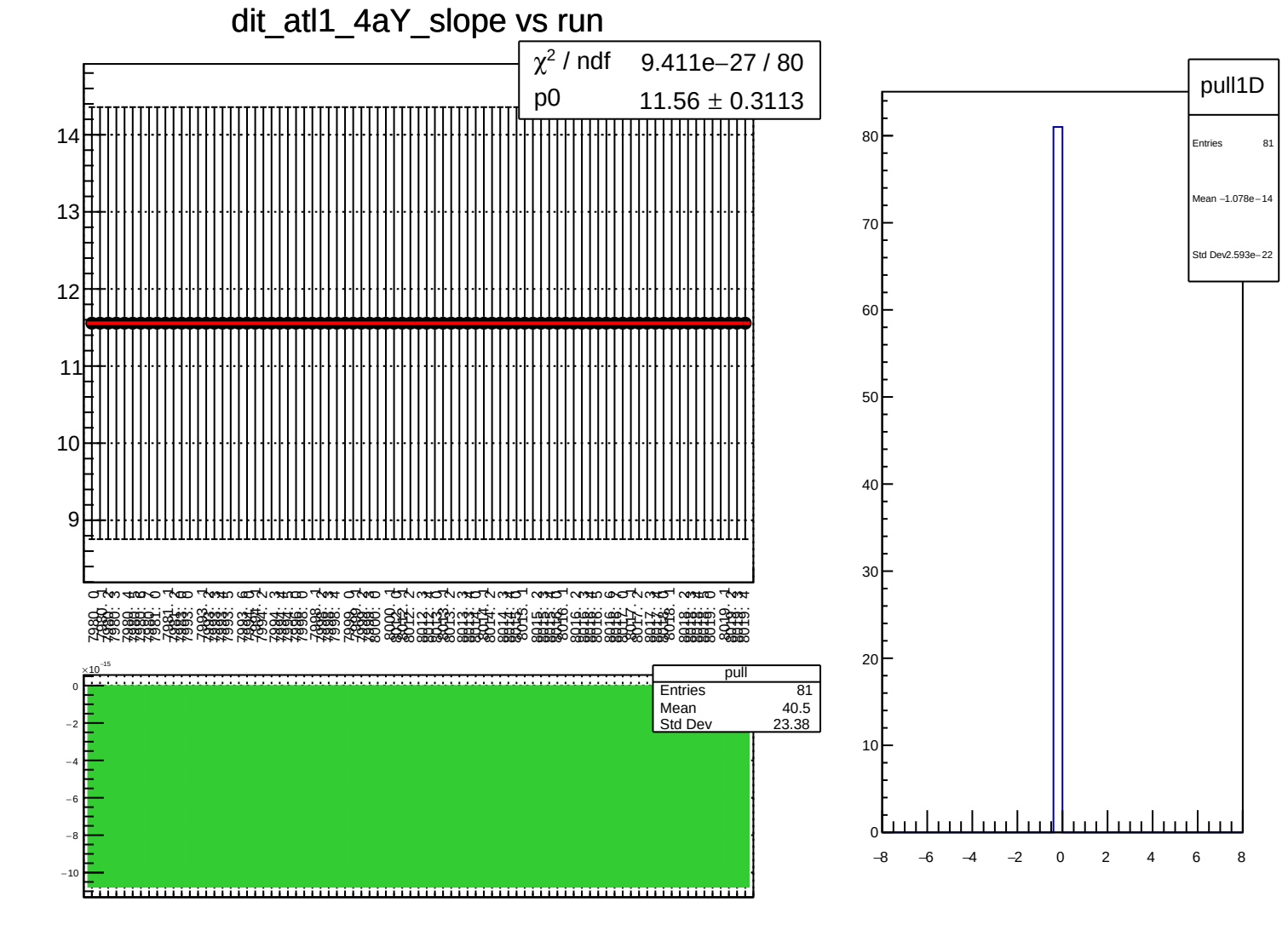

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.827e−27 / 80
p0 46.24 ± 1.496
pull
Entries 81
Mean 40.5
Std Dev 23.38

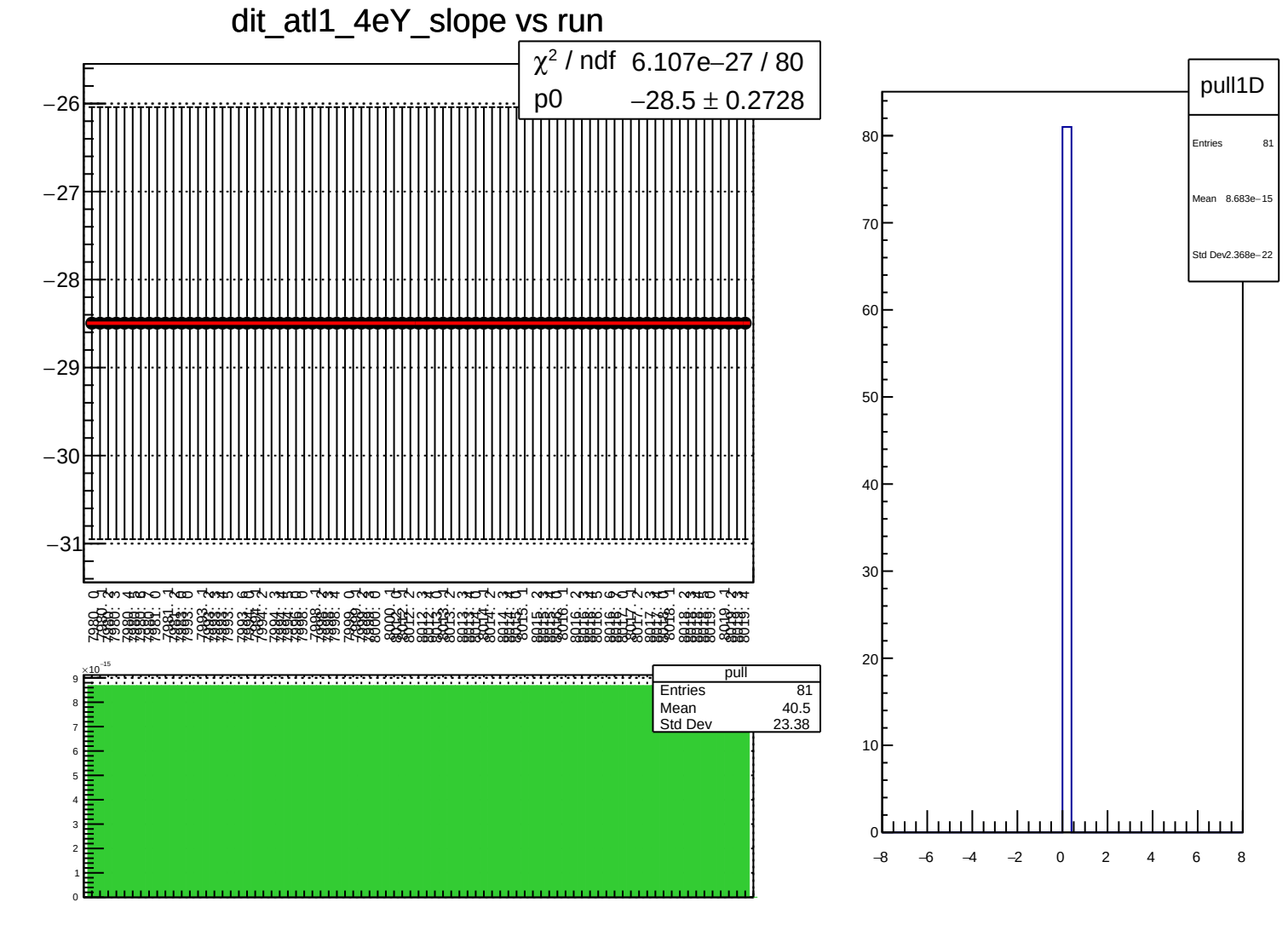

pull1D
Entries 81
Mean −4.749e−15
Std Dev 5.294e−23

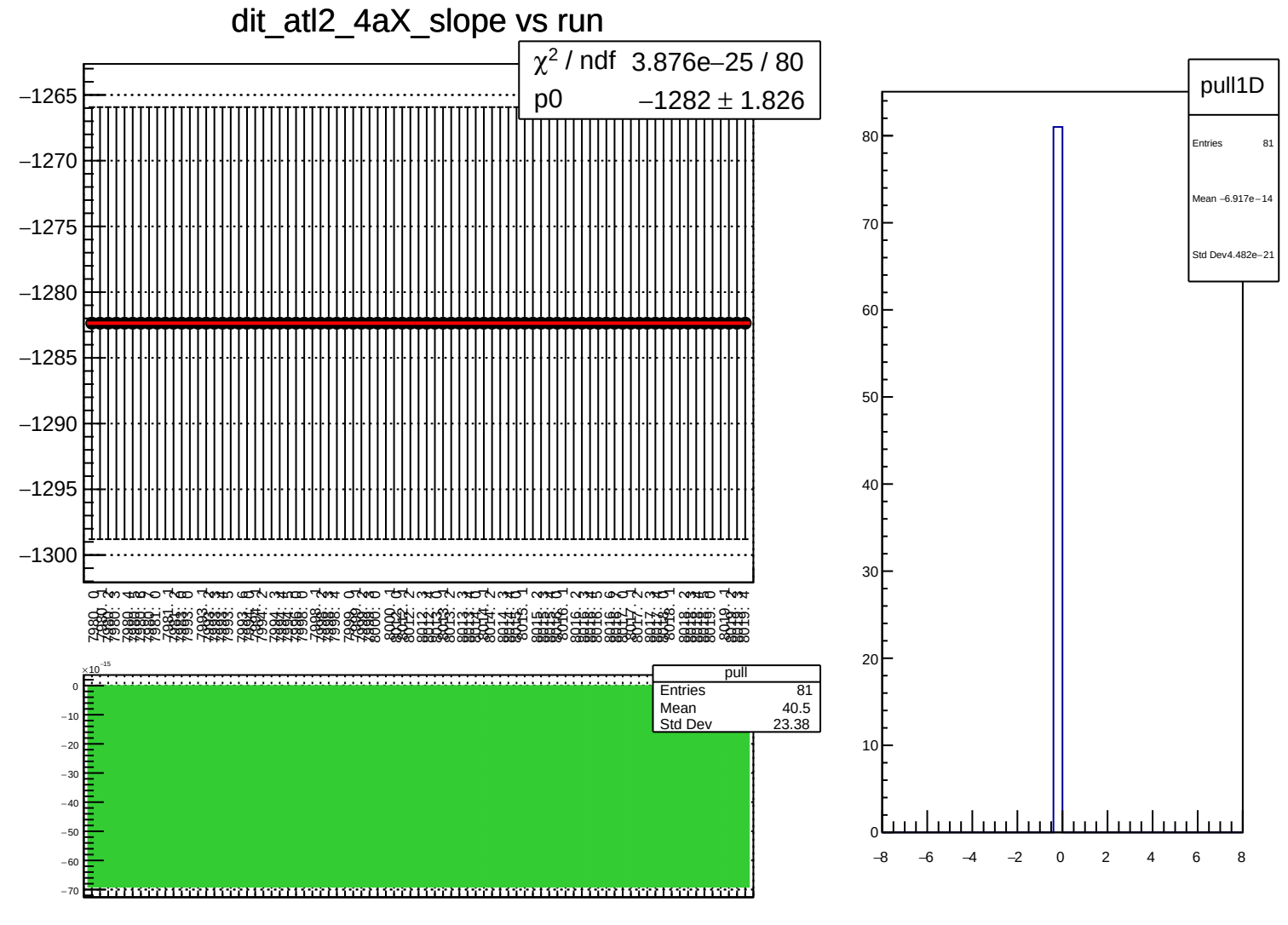

dit_atl1_4eX_slope vs run
χ^2 / ndf 0 / 80
p0 −17.91 ± 1.611
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0

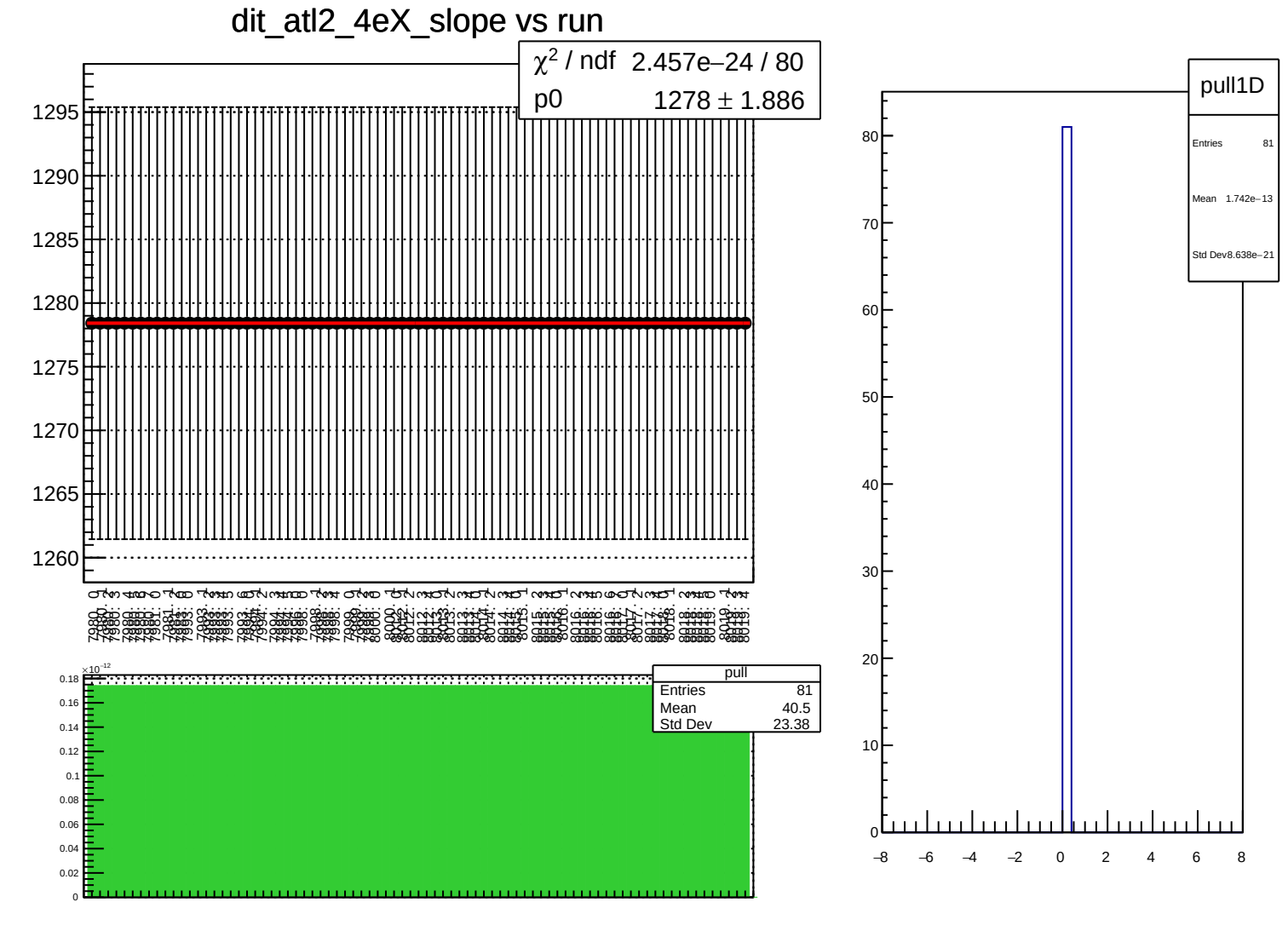

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.206e−27 / 80
p0 5.276 ± 0.2814
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

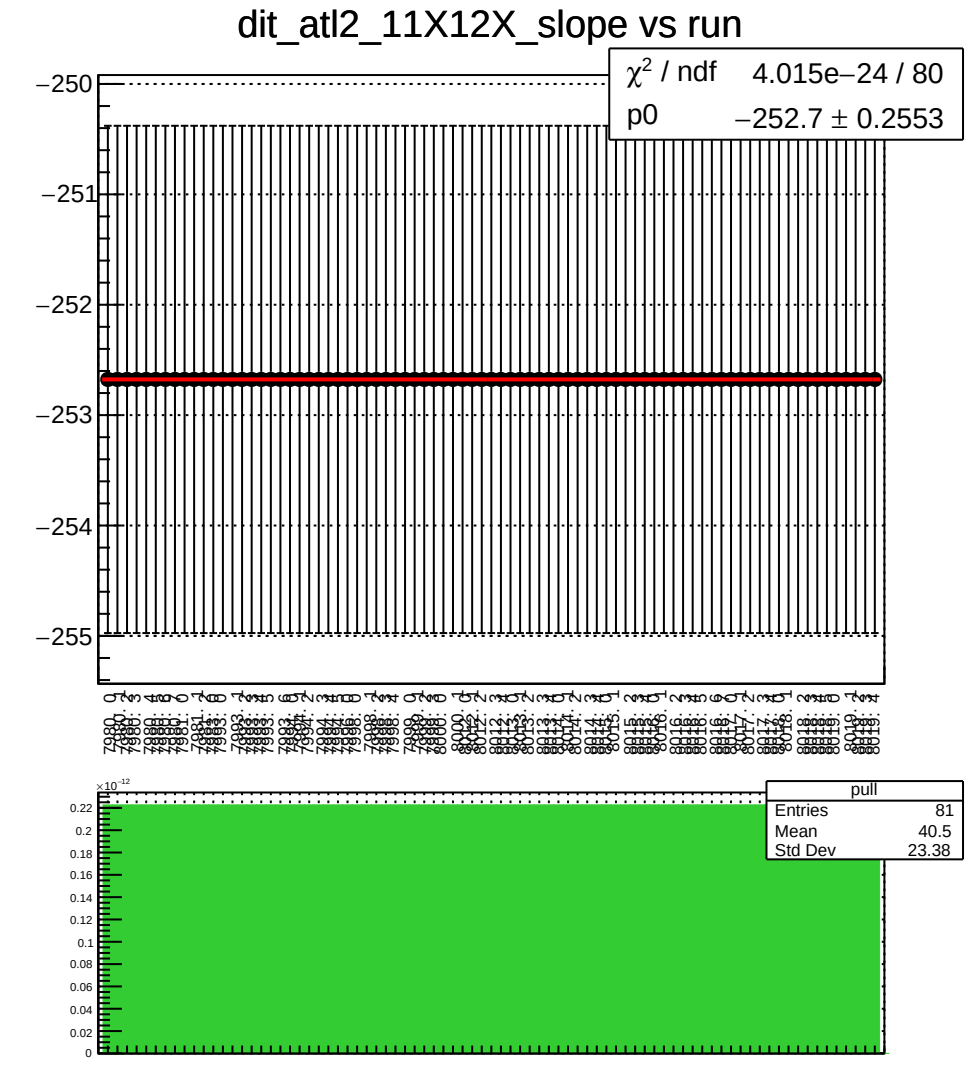

pull1D
Entries 81
Mean 3.858e−15
Std Dev 2.05e−22

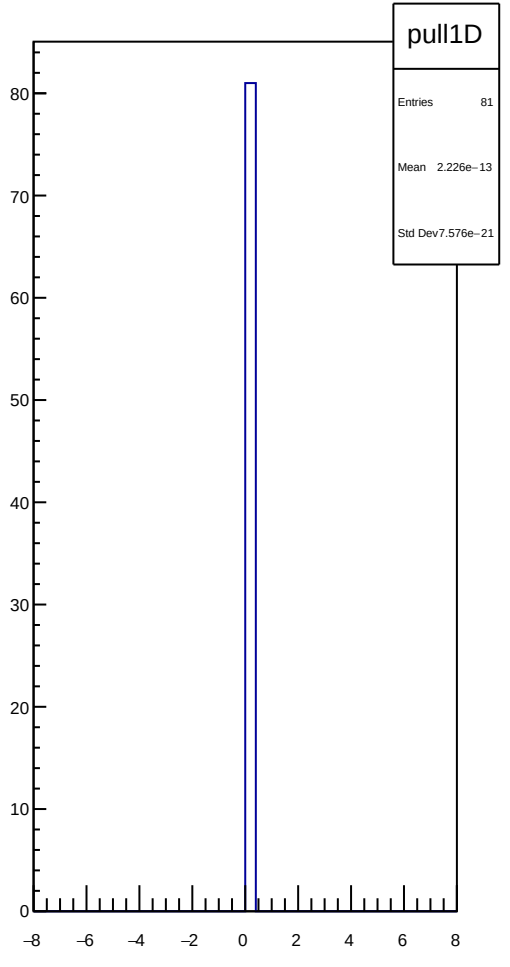

dit_atl1_4aY_slope vs run
χ² / ndf 9.411e−27 / 80
p0 11.56 ± 0.3113
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.078e−14
Std Dev 2.593e−22

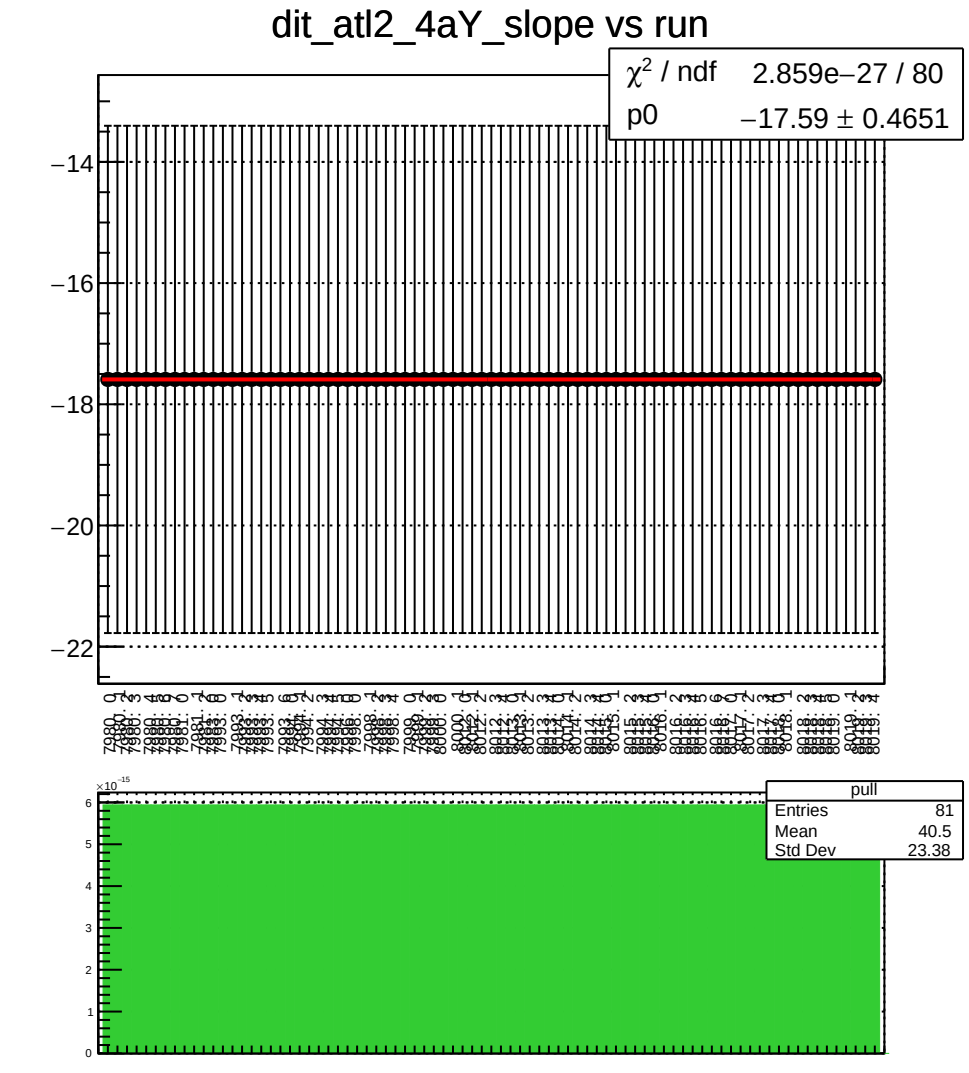

dit_atl1_4eY_slope vs run
χ² / ndf 6.107e−27 / 80
p0 −28.5 ± 0.2728
−26
−27
−28
−29
−30
−31
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 8.683e−15
Std Dev 2.368e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

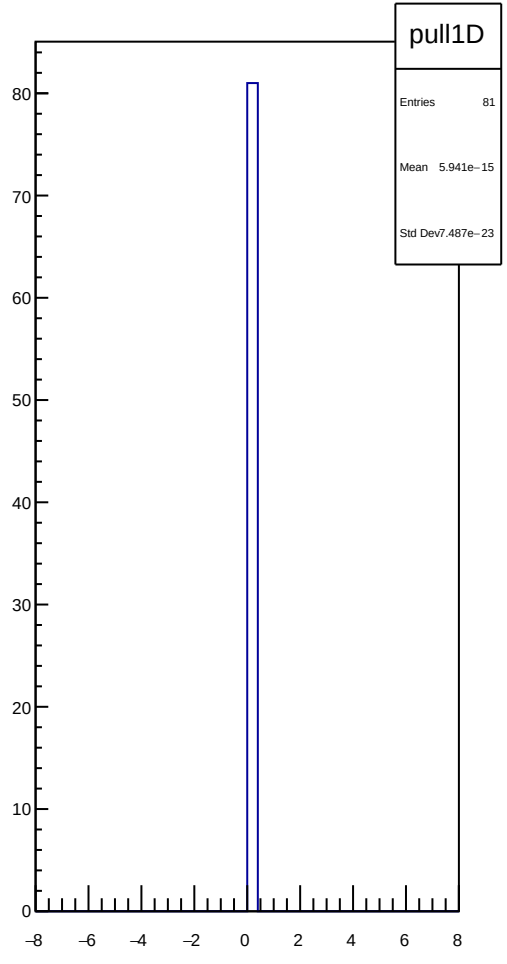

dit_atl2_4aX_slope vs run
χ^2 / ndf 3.876e−25 / 80
p0 −1282 ± 1.826
−1265
−1270
−1275
−1280
−1285
−1290
−1295
−1300
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 81
Mean −6.917e−14
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

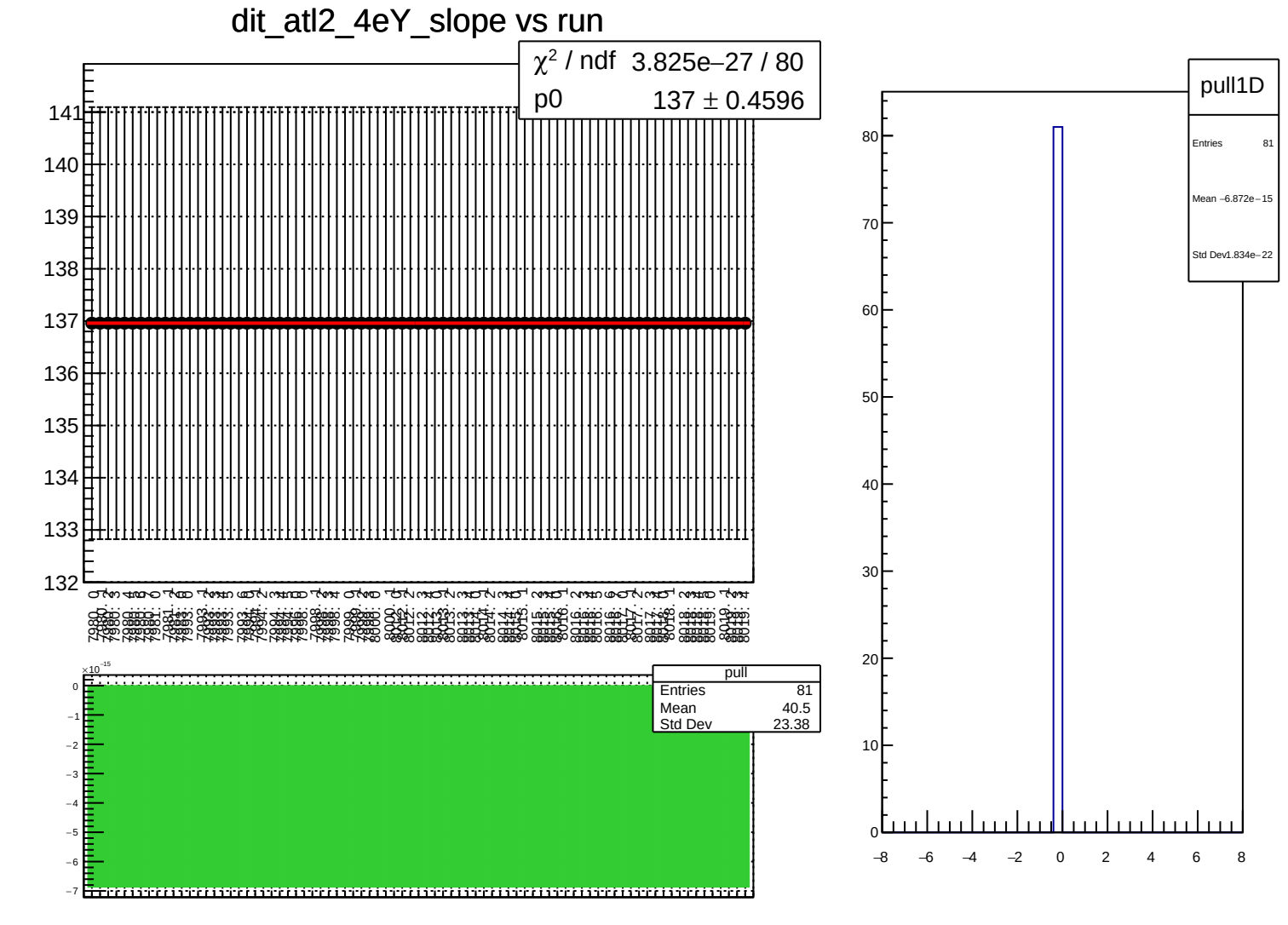

dit_atl2_4eX_slope vs run
χ² / ndf 2.457e−24 / 80
p0 1278 ± 1.886
1295
1290
1285
1280
1275
1270
1265
1260
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.742e−13
Std Dev8.638e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

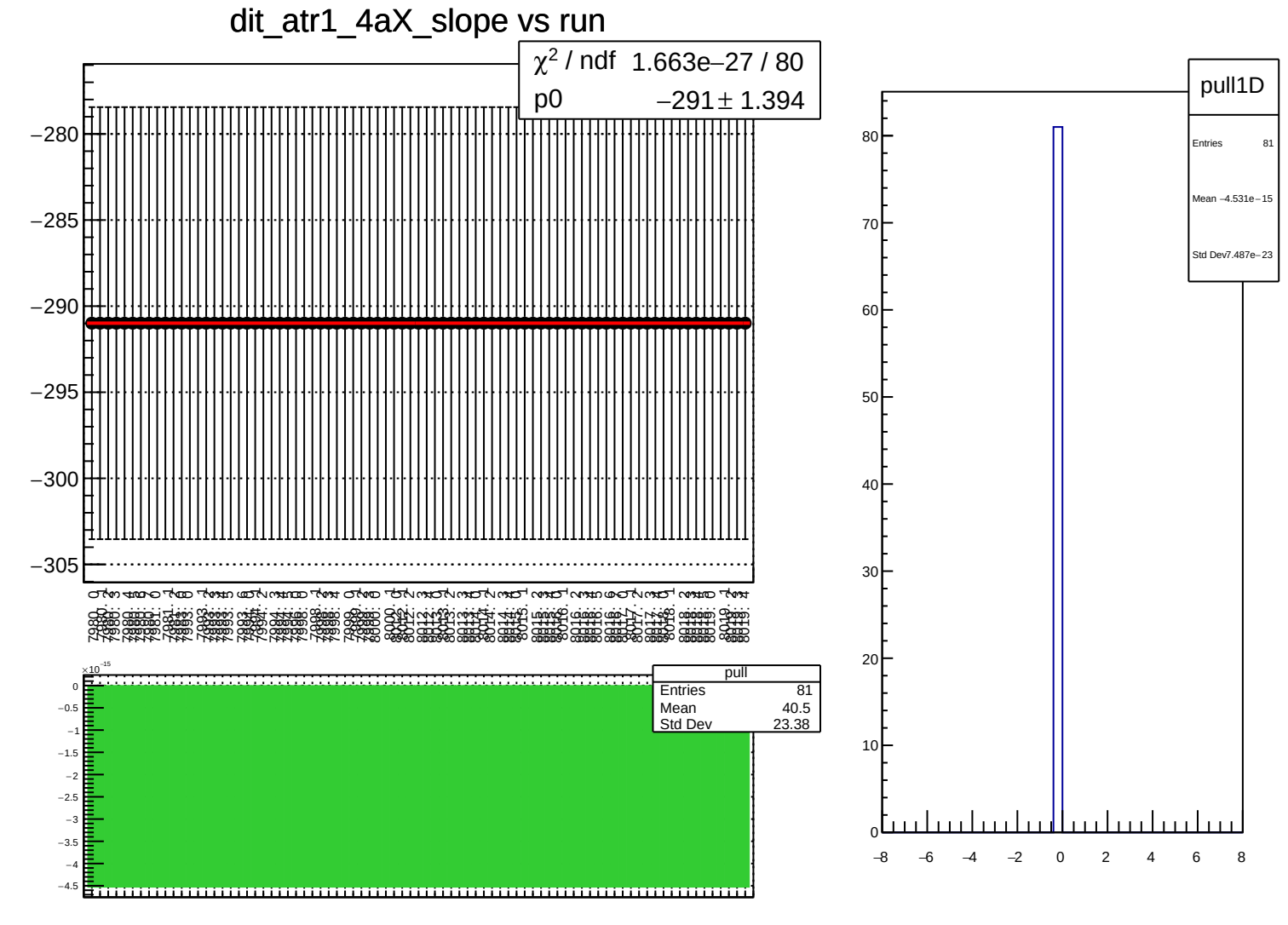

dit_atl2_11X12X_slope vs run
χ² / ndf 4.015e−24 / 80
p0 −252.7 ± 0.2553
−250
−251
−252
−253
−254
−255
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

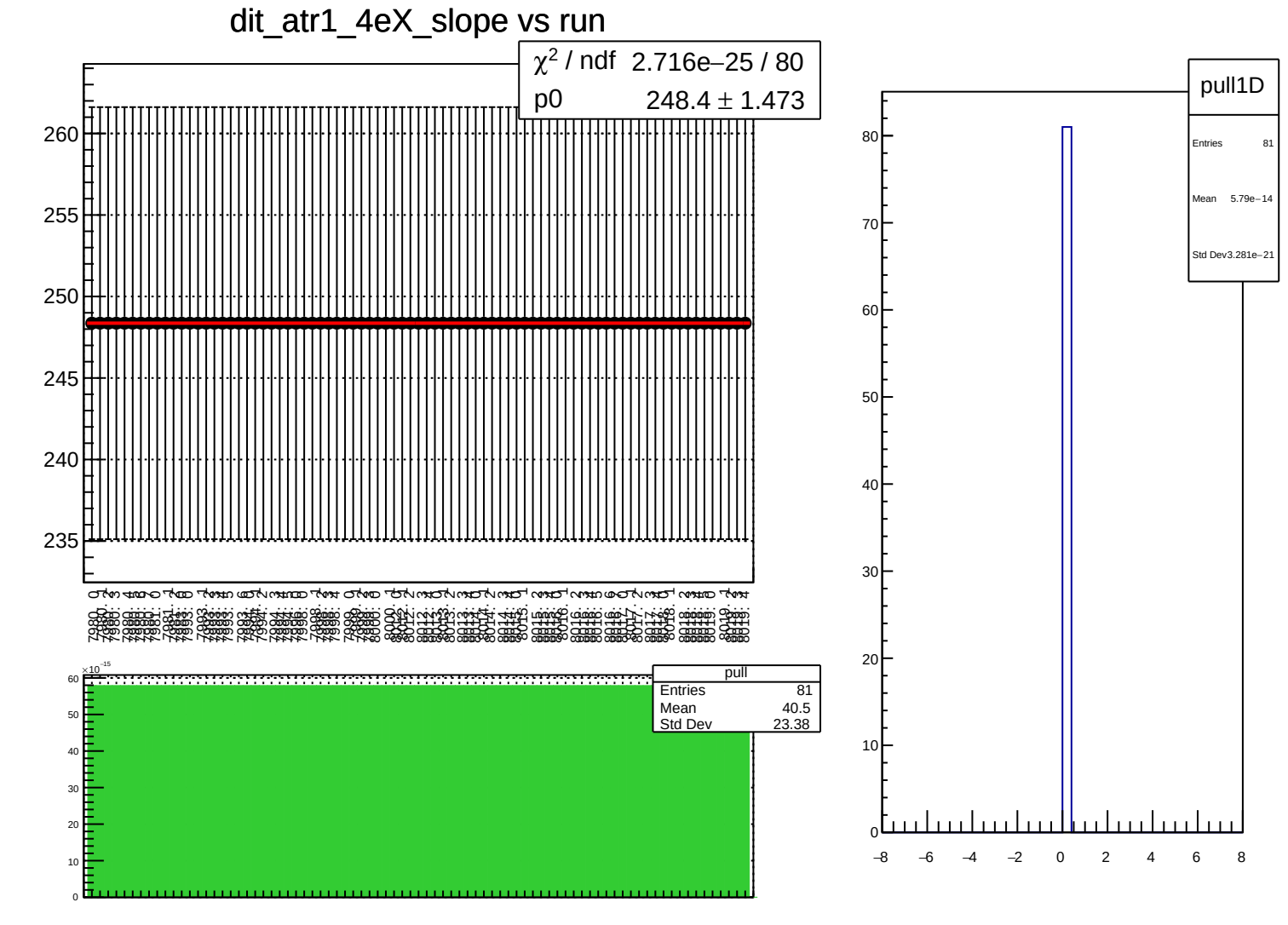

pull1D
Entries 81
Mean 2.226e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

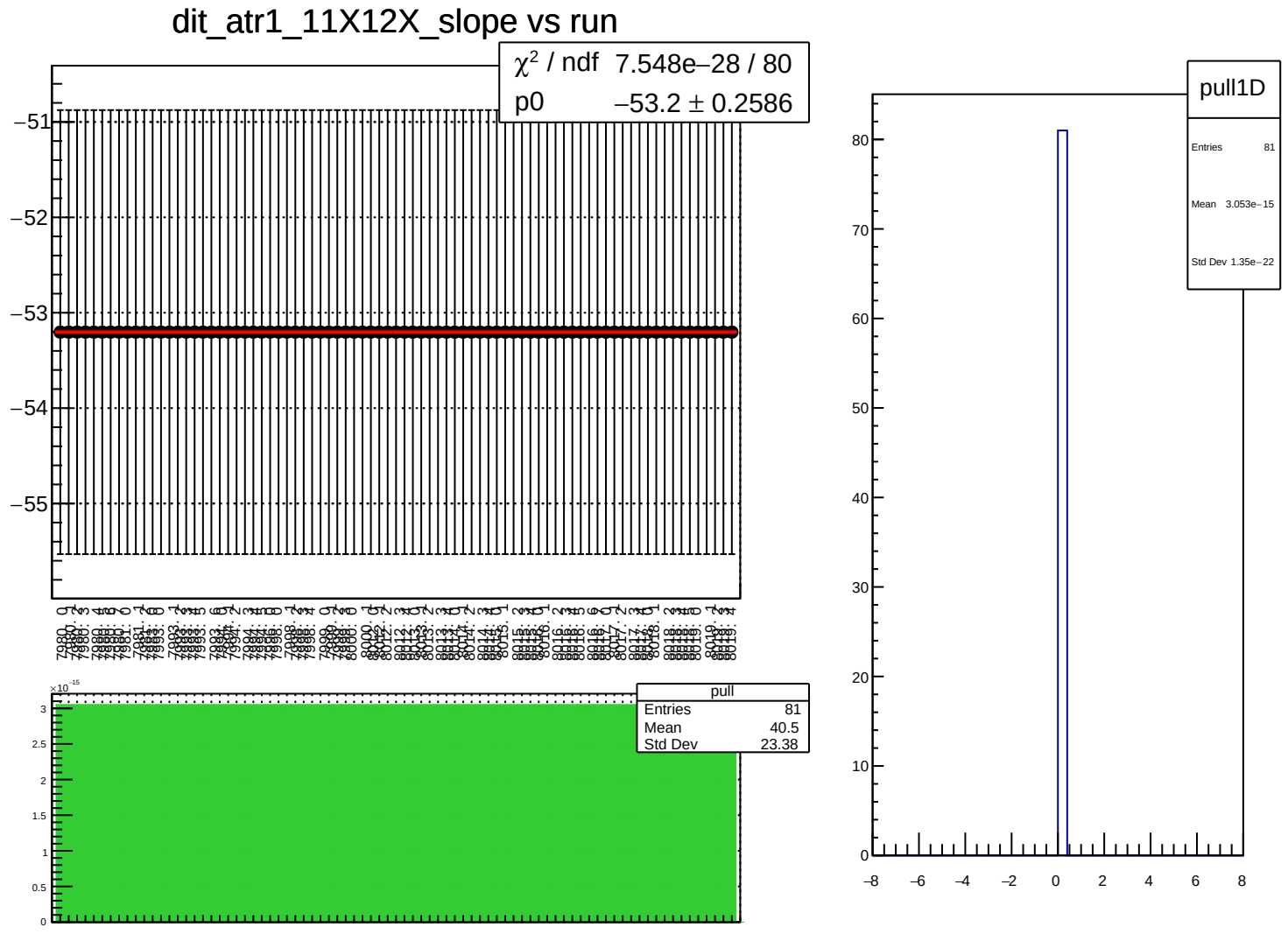

dit_atl2_4aY_slope vs run
χ² / ndf 2.859e−27 / 80
p0 −17.59 ± 0.4651
−14
−16
−18
−20
−22
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
6
5
4
3
2
1
0

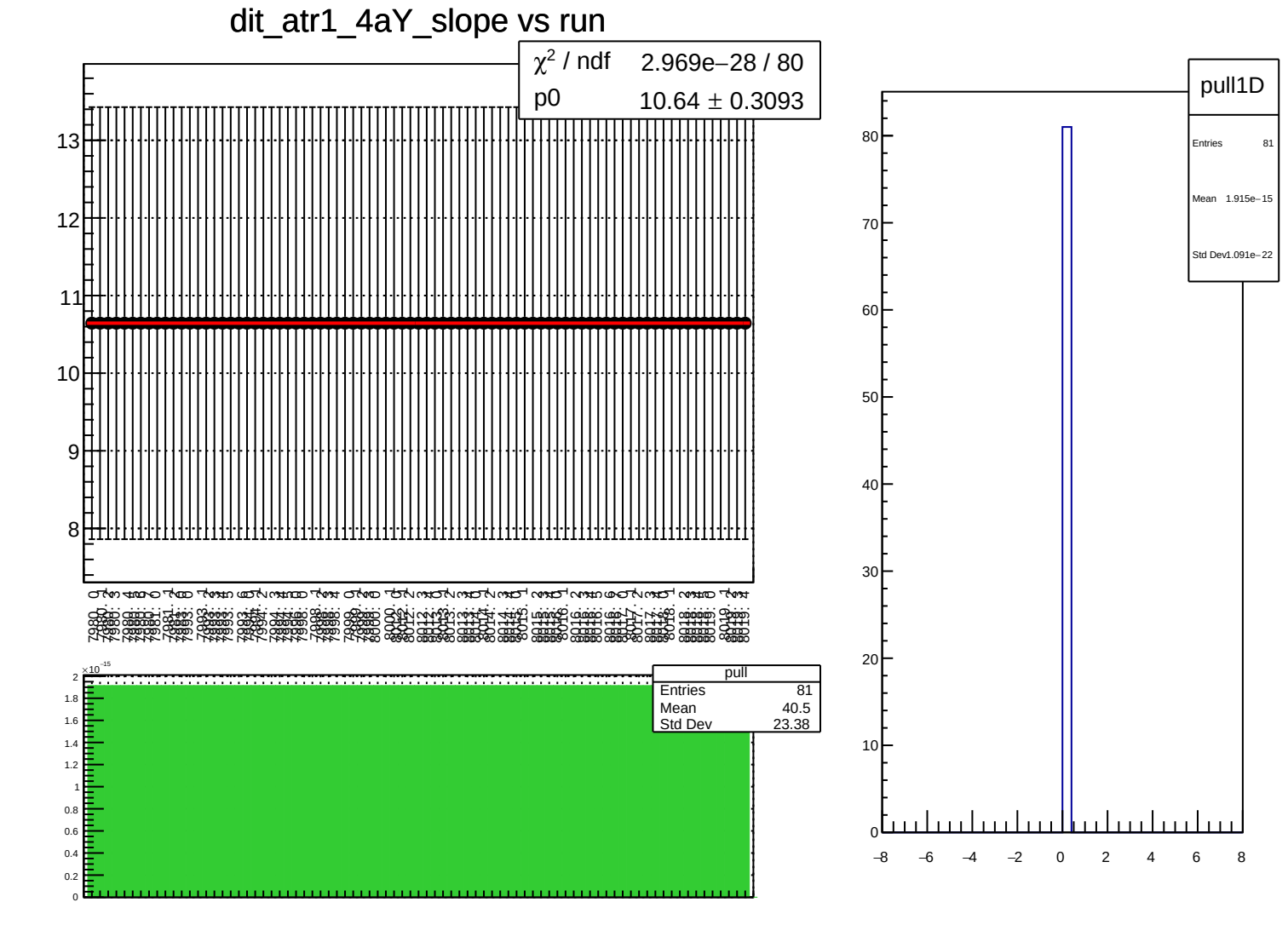

pull1D
Entries 81
Mean 5.941e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

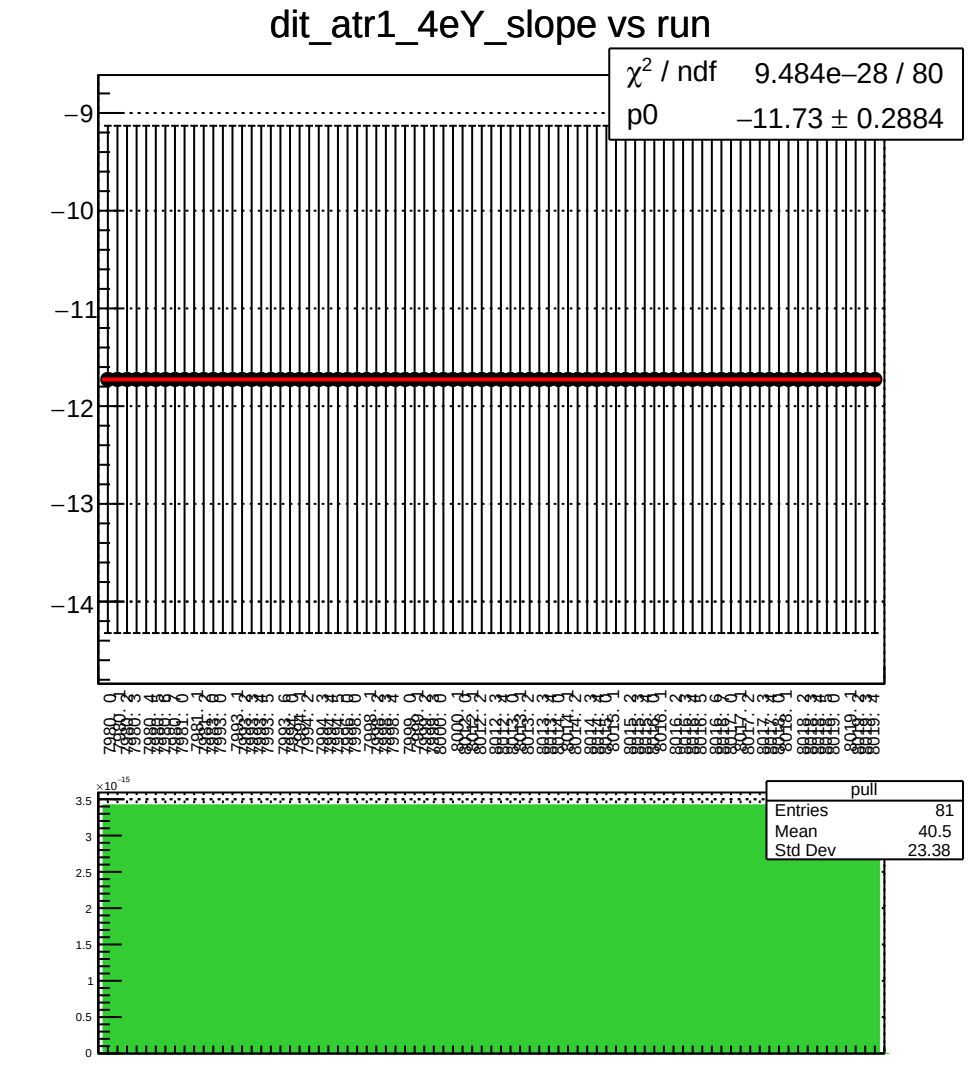

dit_atl2_4eY_slope vs run
χ² / ndf 3.825e−27 / 80
p0 137 ± 0.4596
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −6.872e−15
Std Dev1.834e−22

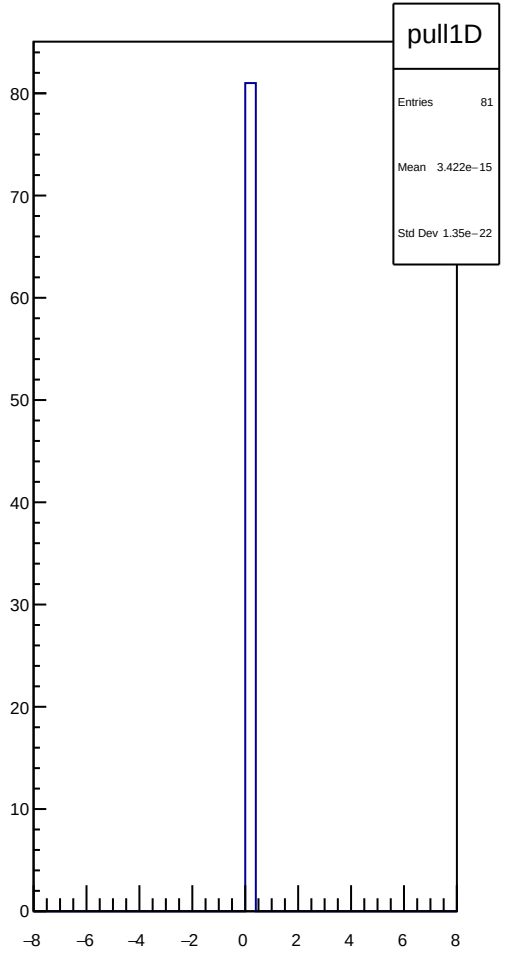

dit_atr1_4aX_slope vs run
χ² / ndf 1.663e−27 / 80
p0 −291 ± 1.394
−280
−285
−290
−295
−300
−305
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
pull1D
Entries 81
Mean −4.531e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

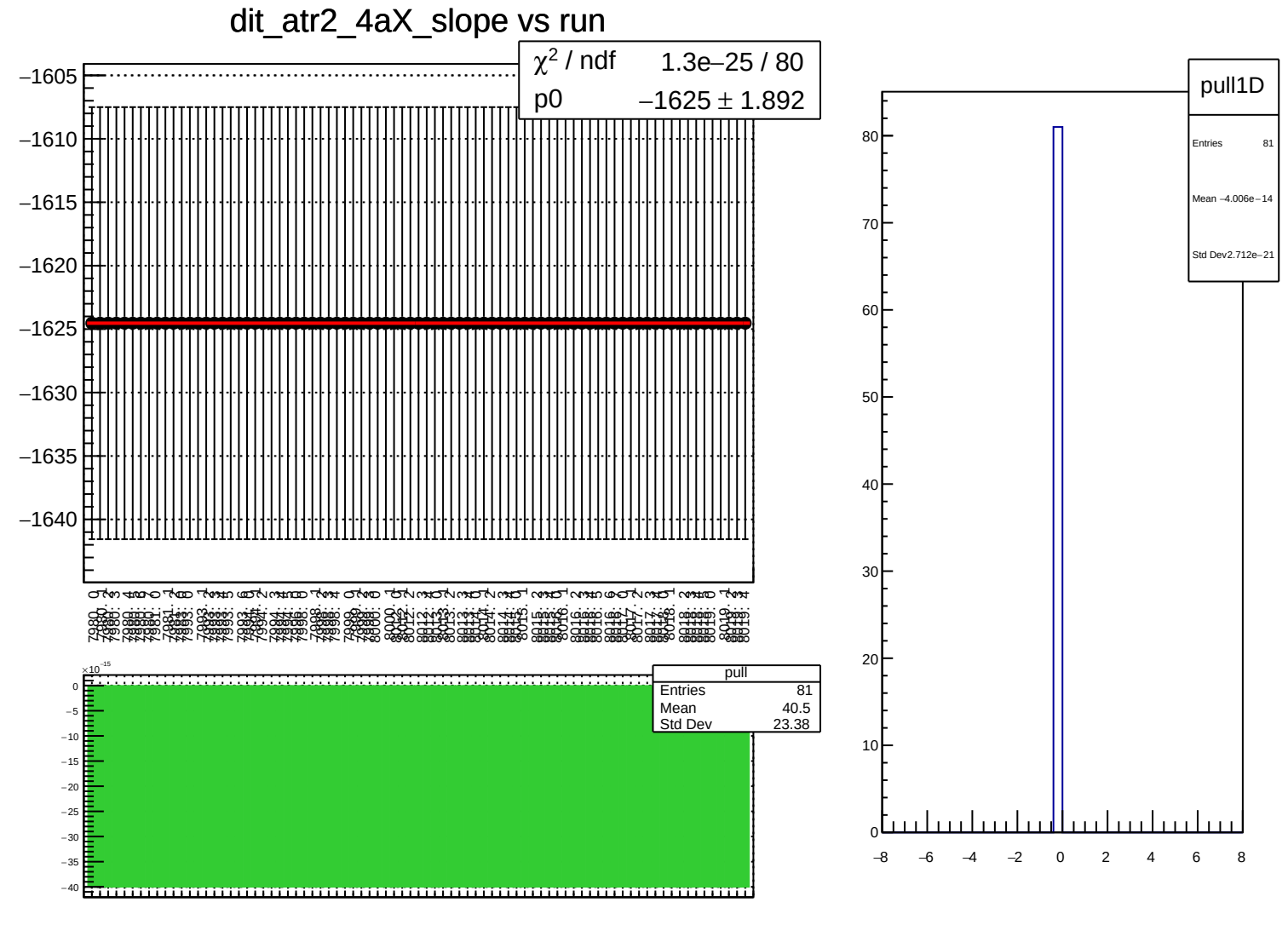

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.716e−25 / 80
p0 248.4 ± 1.473
260
255
250
245
240
235
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 81
Mean 5.79e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

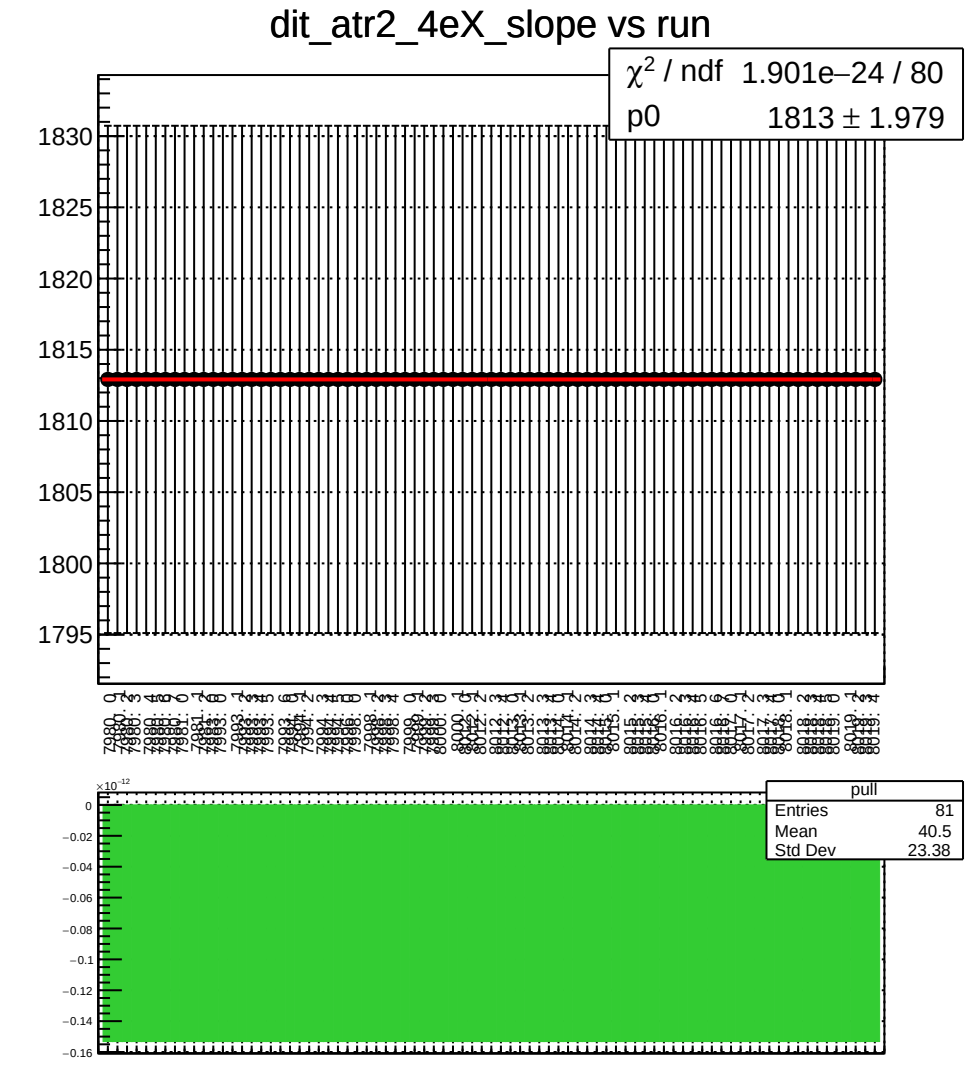

dit_atr1_11X12X_slope vs run
χ² / ndf 7.548e−28 / 80
p0 −53.2 ± 0.2586
−51
−52
−53
−54
−55
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 81
Mean 3.053e−15
Std Dev 1.35e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

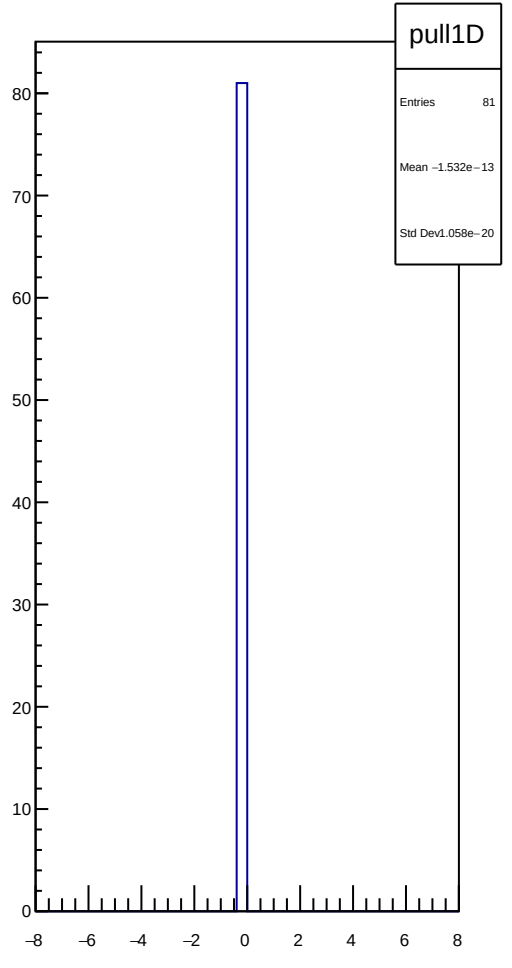

dit_atr1_4aY_slope vs run
χ² / ndf 2.969e−28 / 80
p0 10.64 ± 0.3093
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.915e−15
Std Dev1.091e−22

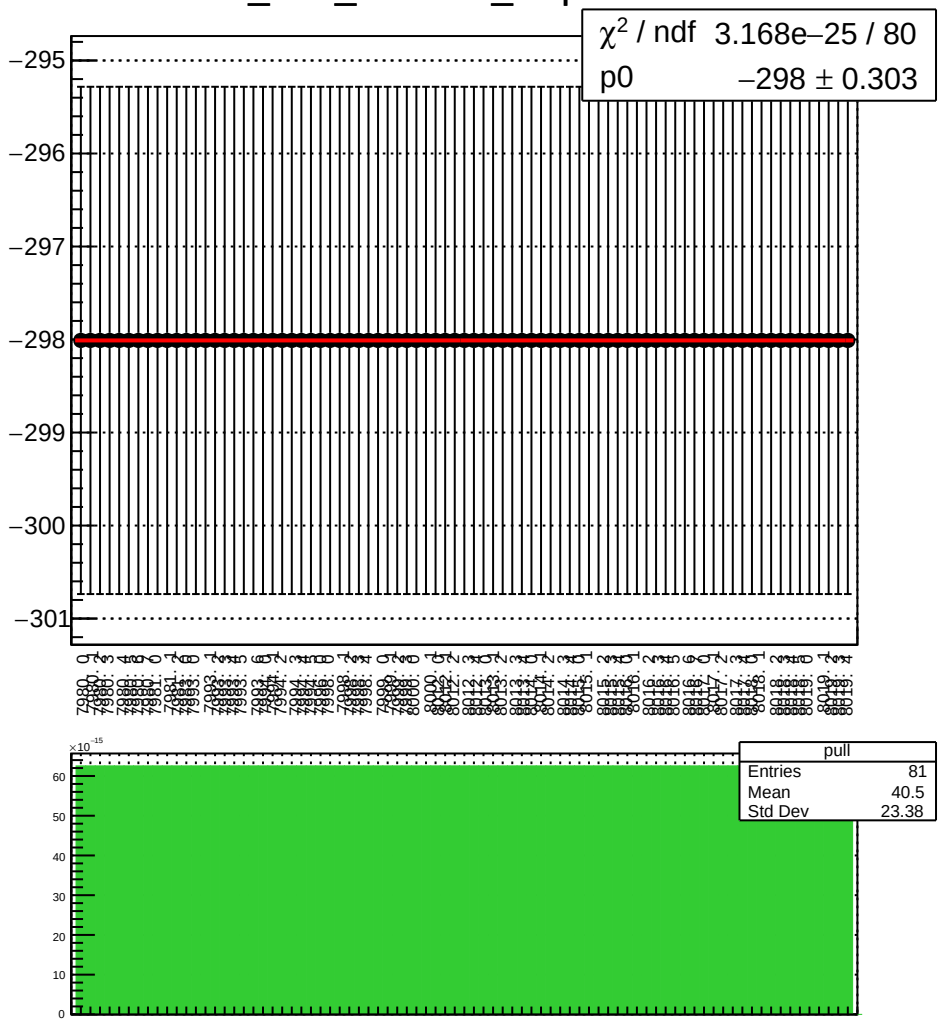

dit_atr1_4eY_slope vs run
χ^2 / ndf 9.484e−28 / 80
p0 −11.73 ± 0.2884
pull
Entries 81
Mean 40.5
Std Dev 23.38

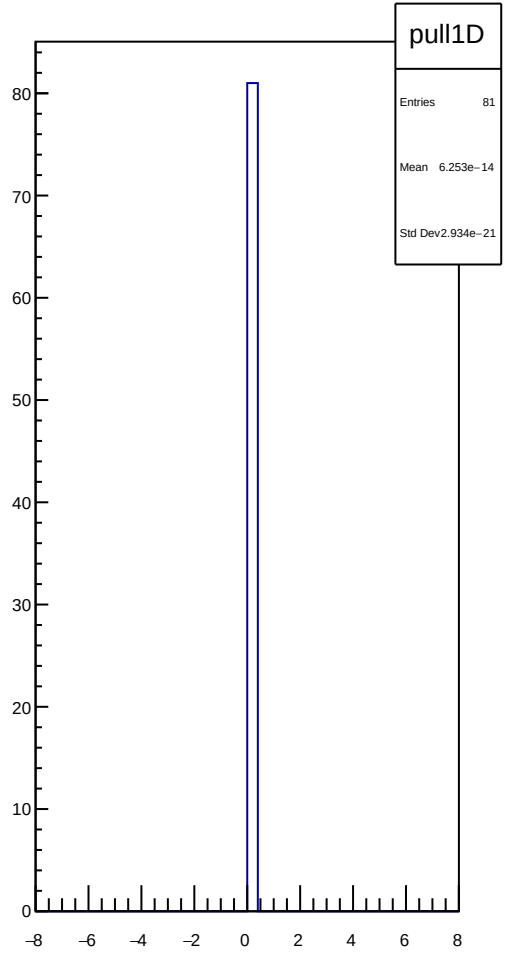

pull1D
Entries 81
Mean 3.422e−15
Std Dev 1.35e−22

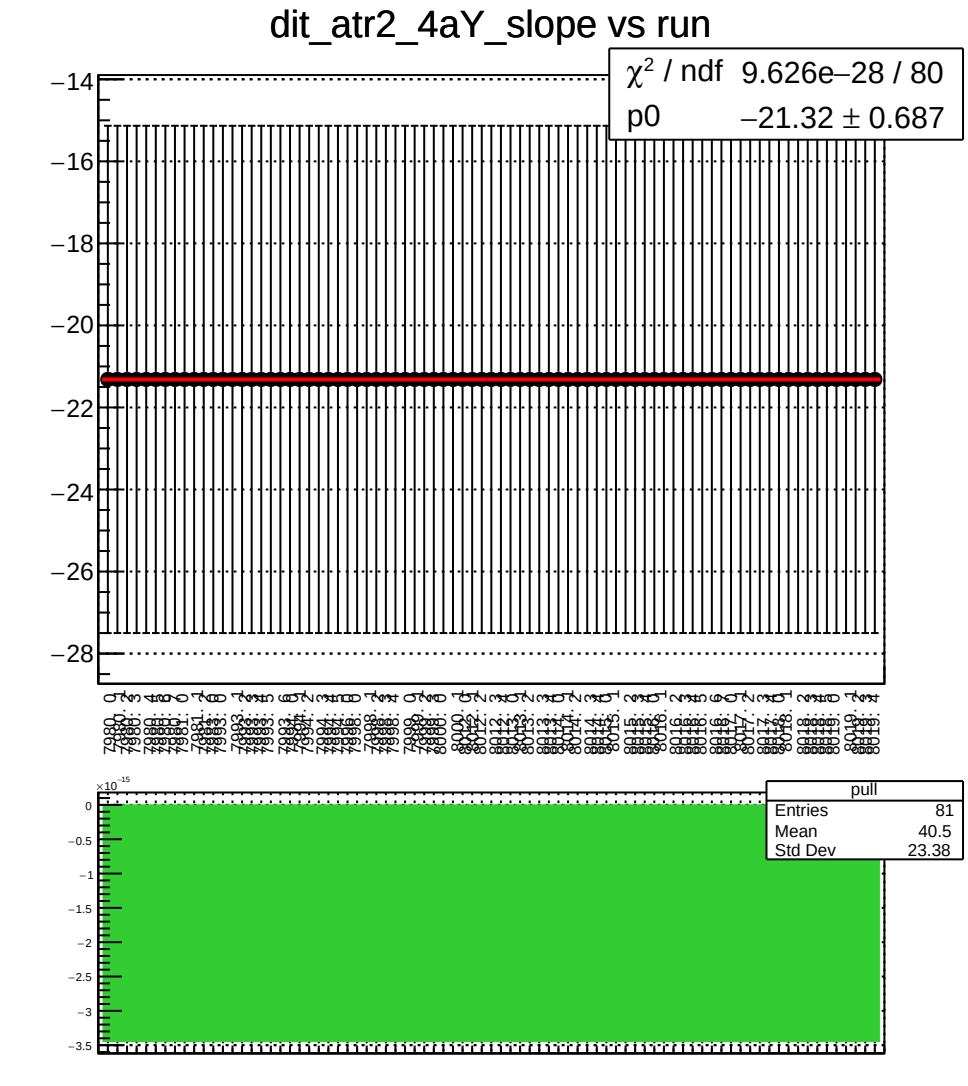

dit_atr2_4aX_slope vs run
χ² / ndf 1.3e−25 / 80
p0 −1625 ± 1.892
−1605
−1610
−1615
−1620
−1625
−1630
−1635
−1640
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 81
Mean −4.006e−14
Std Dev2.712e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

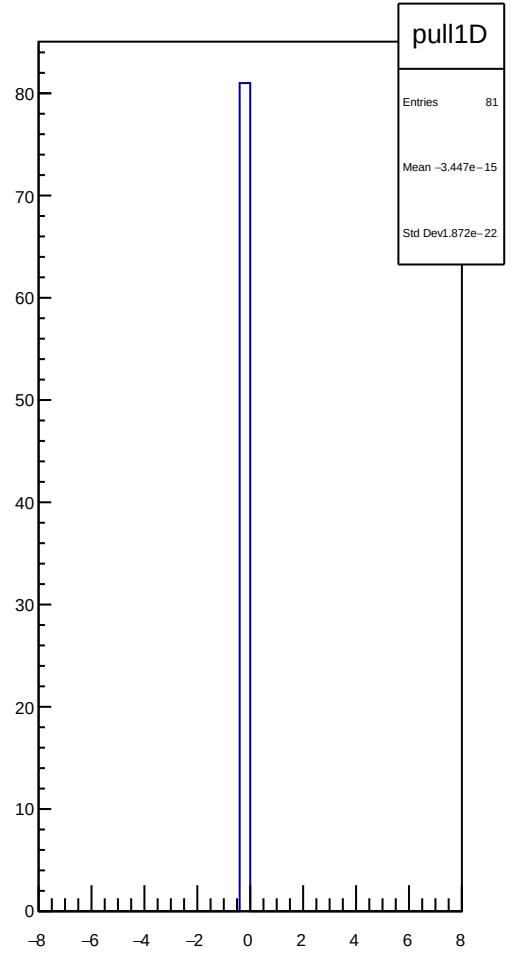

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.901e−24 / 80
p0 1813 ± 1.979
1830
1825
1820
1815
1810
1805
1800
1795
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

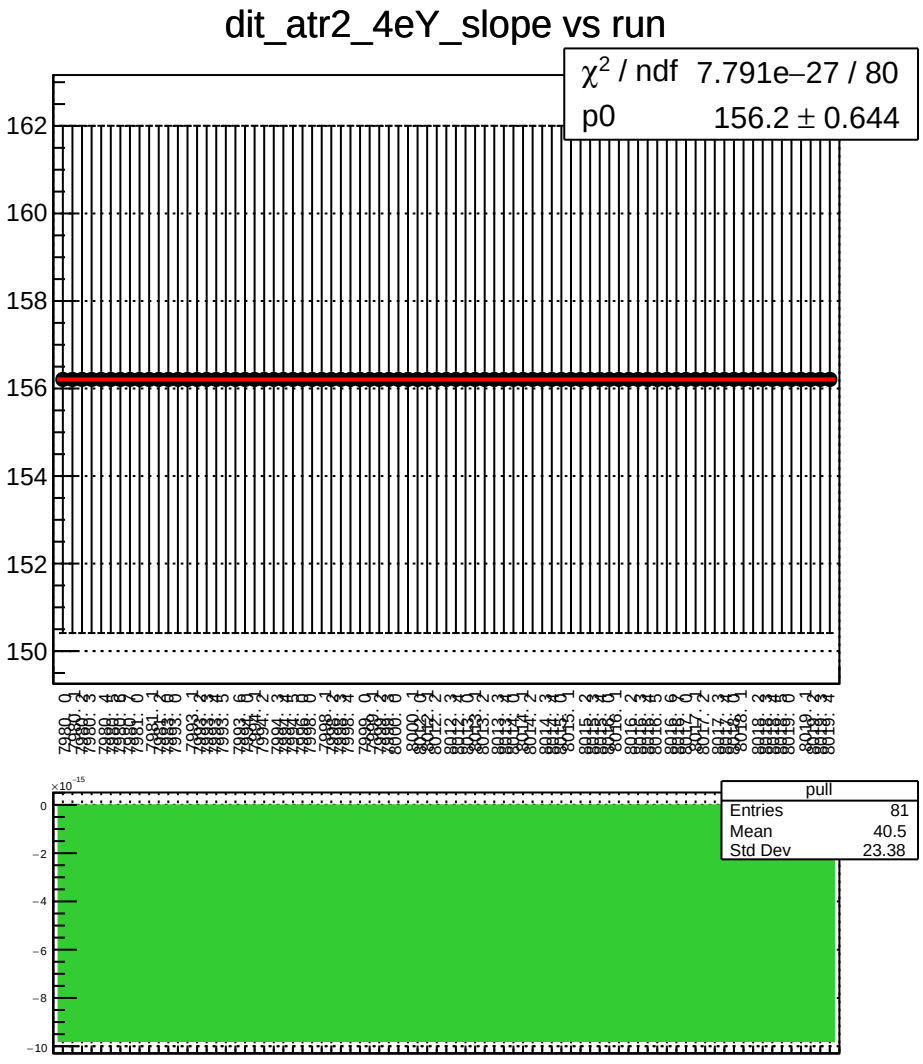

pull1D
Entries 81
Mean −1.532e−13
Std Dev1.058e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

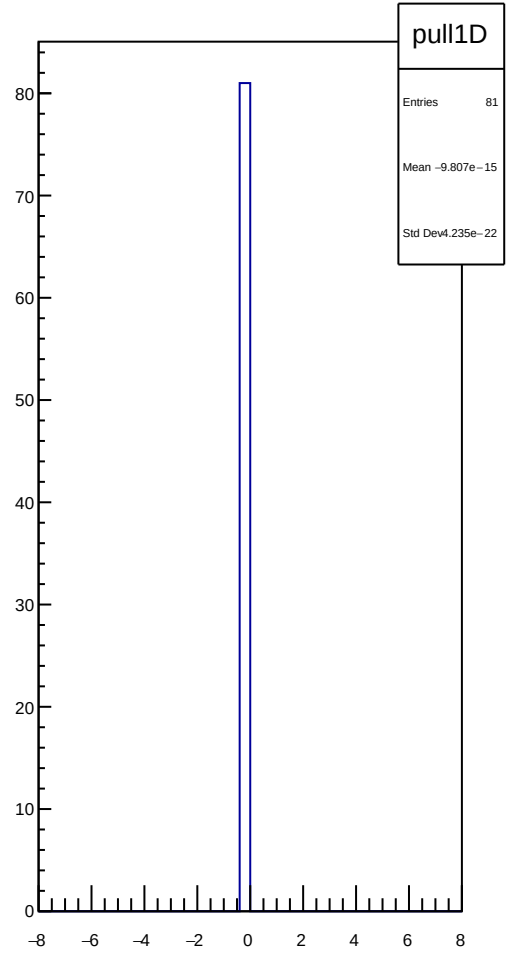

dit_atr2_11X12X_slope vs run
χ² / ndf 3.168e−25 / 80
p0 −298 ± 0.303
−295
−296
−297
−298
−299
−300
−301
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0

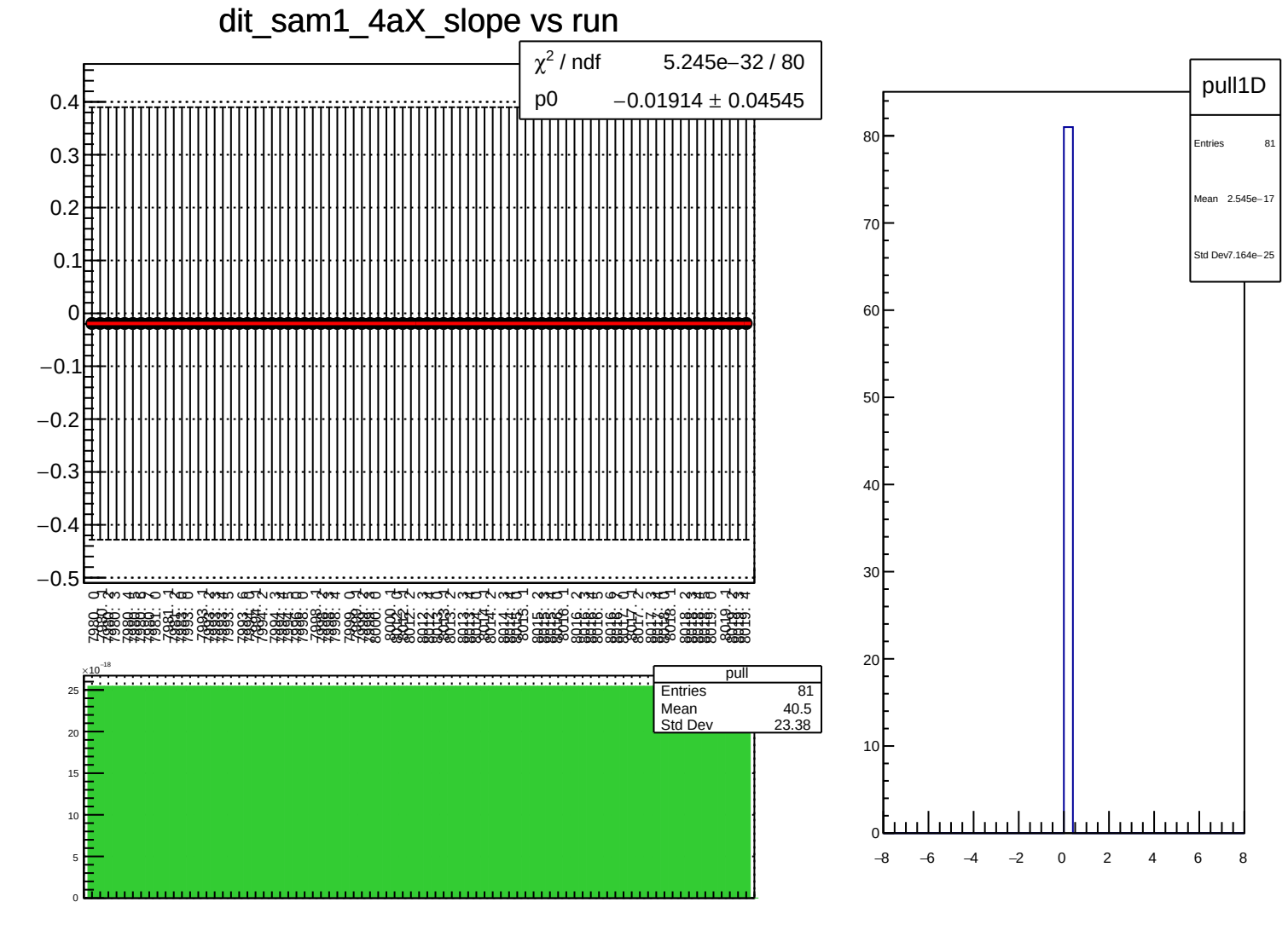

pull1D
Entries 81
Mean 6.253e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

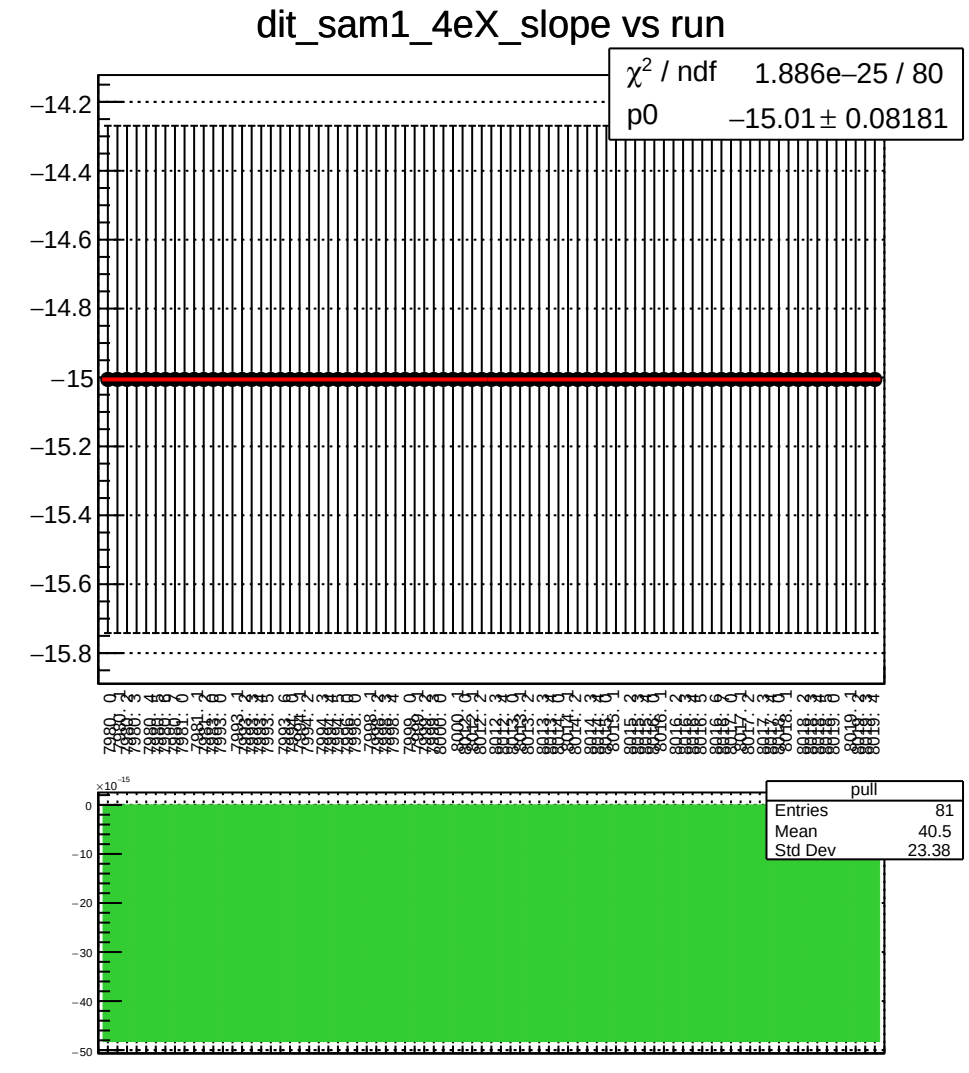

dit_atr2_4aY_slope vs run
χ² / ndf 9.626e−28 / 80
p0 −21.32 ± 0.687
−14
−16
−18
−20
−22
−24
−26
−28
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

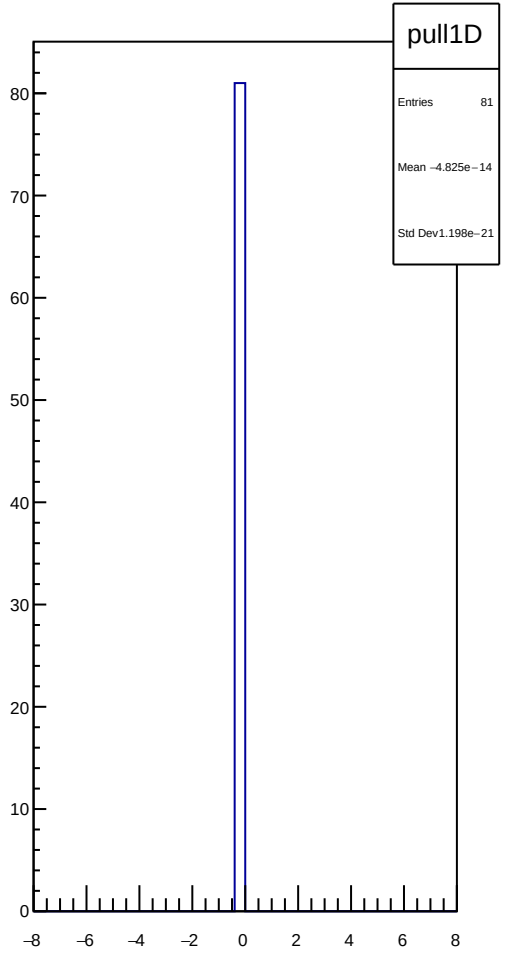

pull1D
Entries 81
Mean −3.447e−15
Std Dev1.872e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

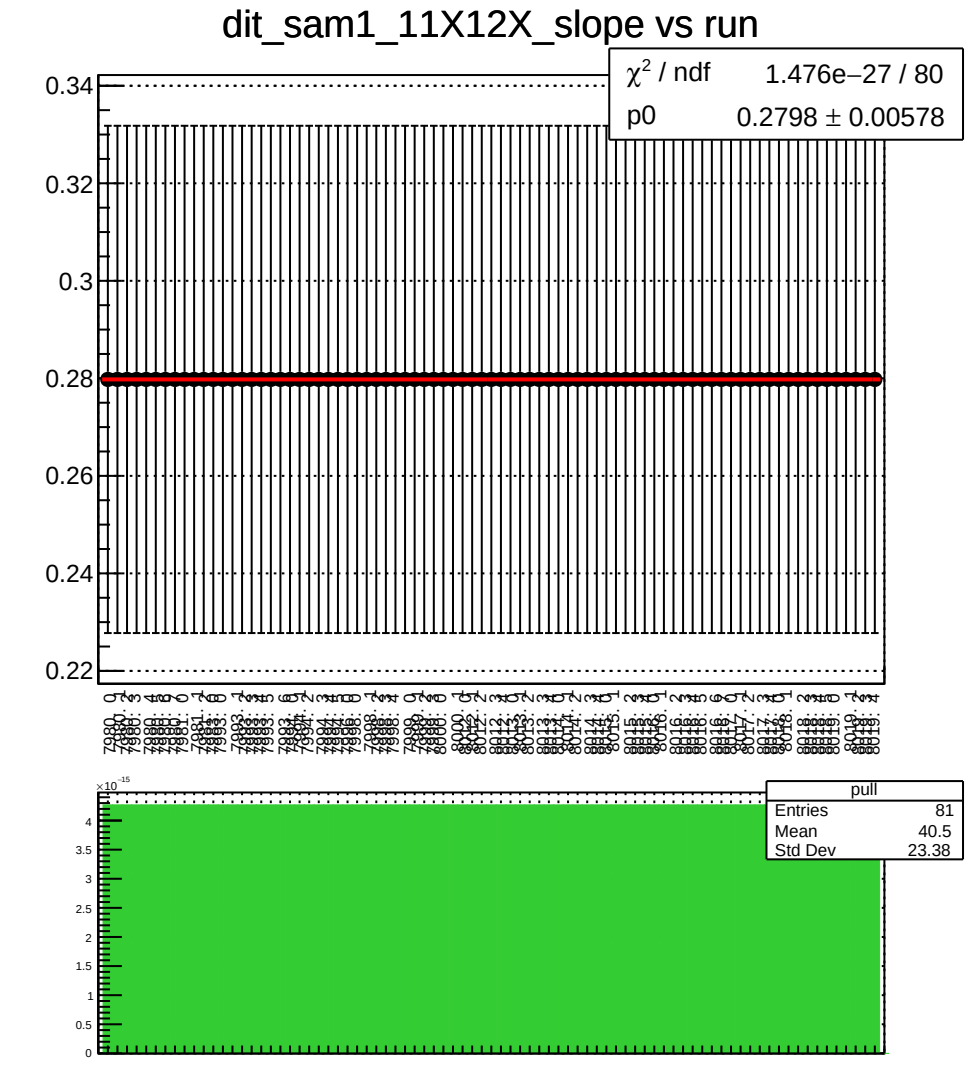

dit_atr2_4eY_slope vs run
χ^2 / ndf 7.791e−27 / 80
p0 156.2 ± 0.644
pull
Entries 81
Mean 40.5
Std Dev 23.38

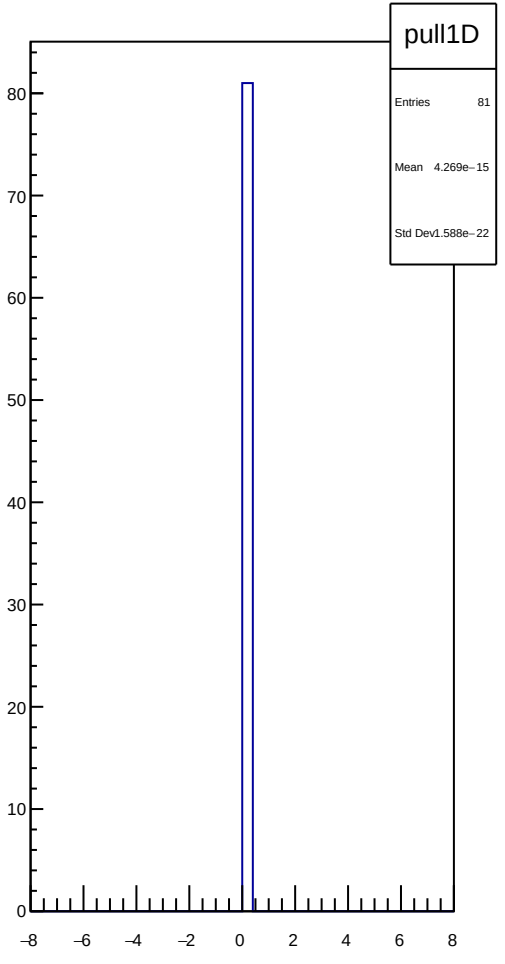

pull1D
Entries 81
Mean −9.807e−15
Std Dev4.235e−22

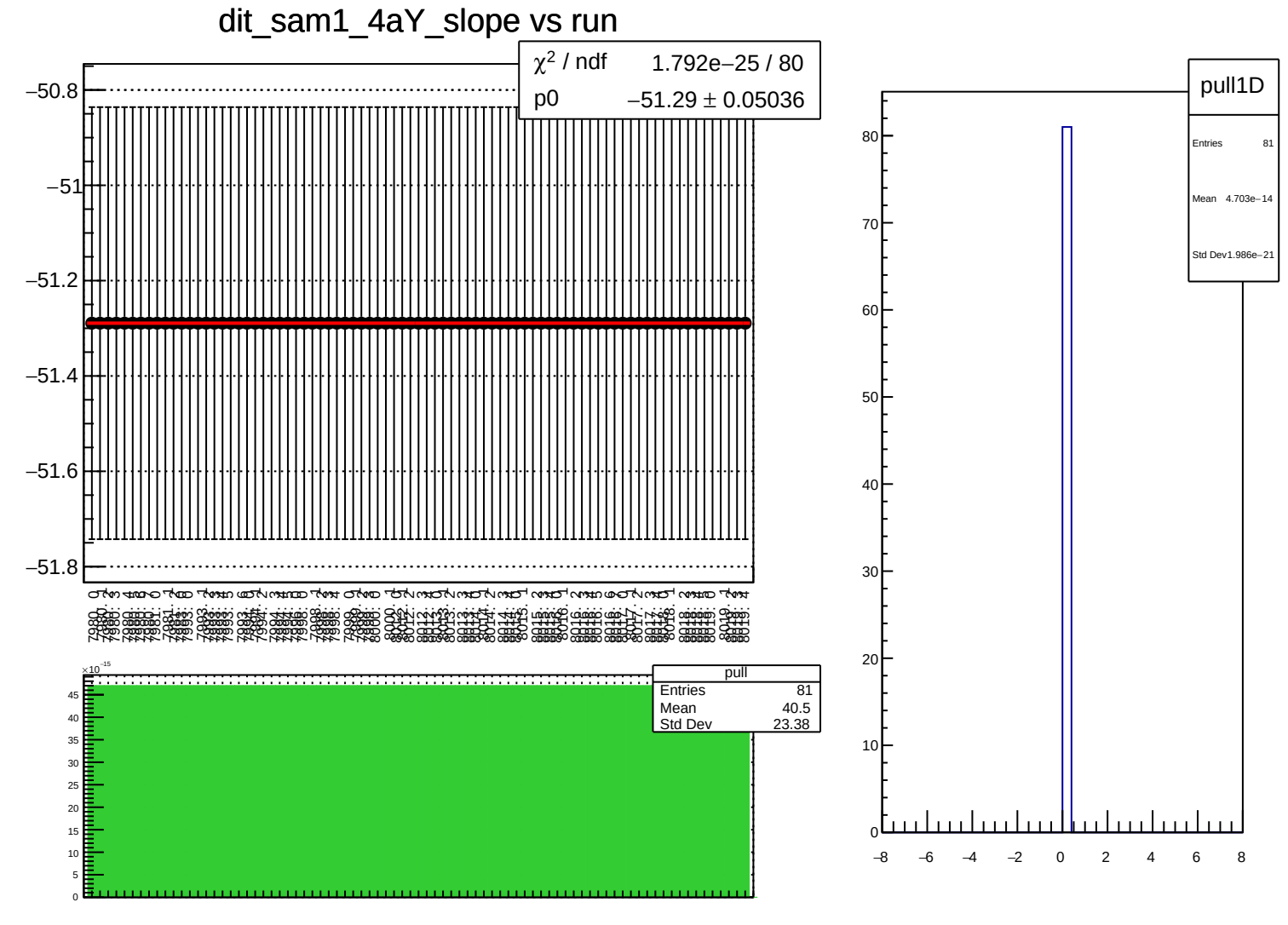

dit_sam1_4aX_slope vs run
χ² / ndf 5.245e−32 / 80
p0 −0.01914 ± 0.04545
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.545e−17
Std Dev7.164e−25

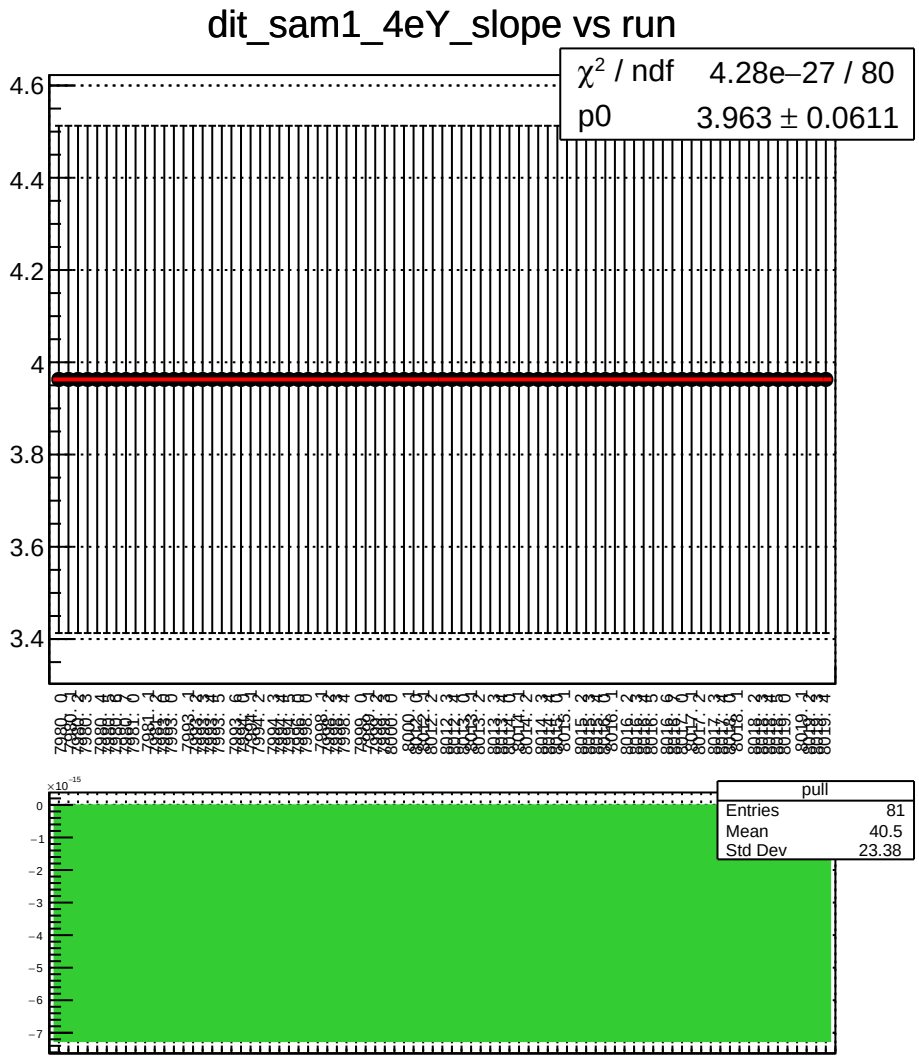

dit_sam1_4eX_slope vs run
χ² / ndf 1.886e−25 / 80
p0 −15.01 ± 0.08181
−14.2
−14.4
−14.6
−14.8
−15
−15.2
−15.4
−15.6
−15.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50

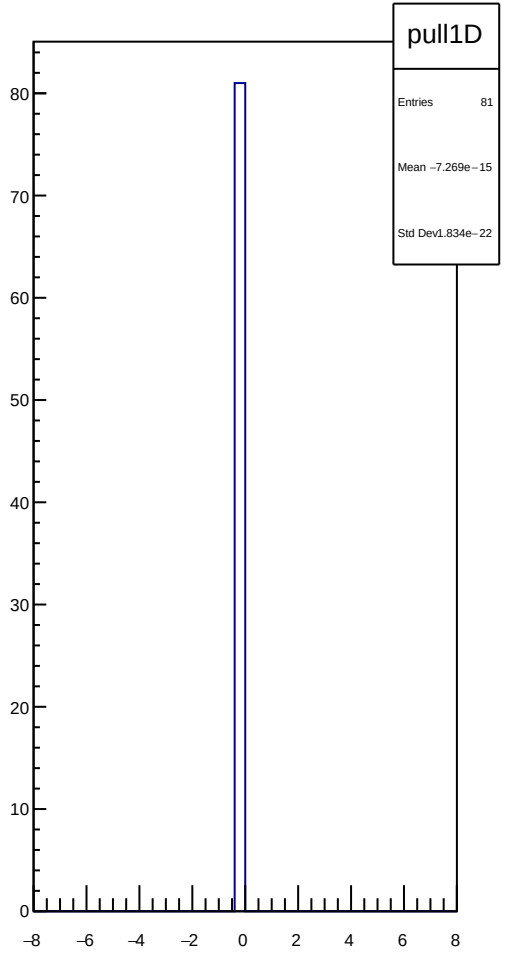

pull1D
Entries 81
Mean −4.825e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

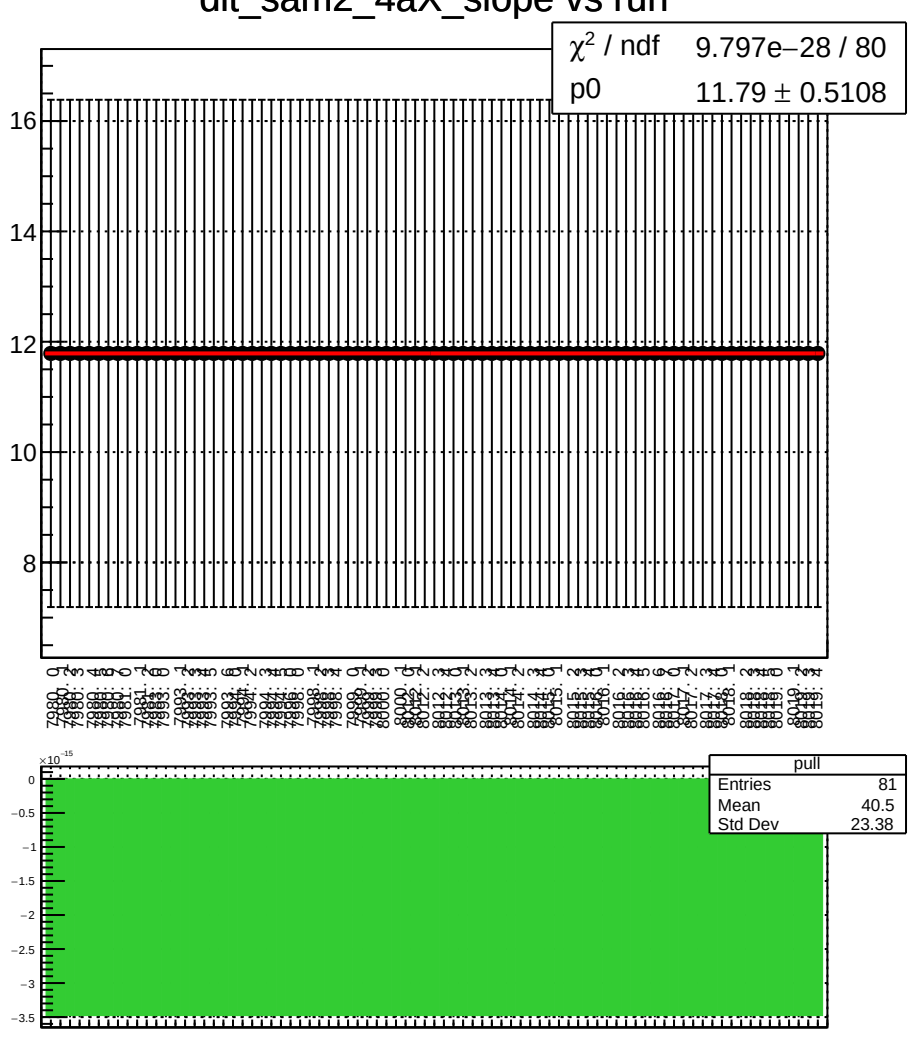

dit_sam1_11X12X_slope vs run
χ² / ndf 1.476e−27 / 80
p0 0.2798 ± 0.00578
0.34
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

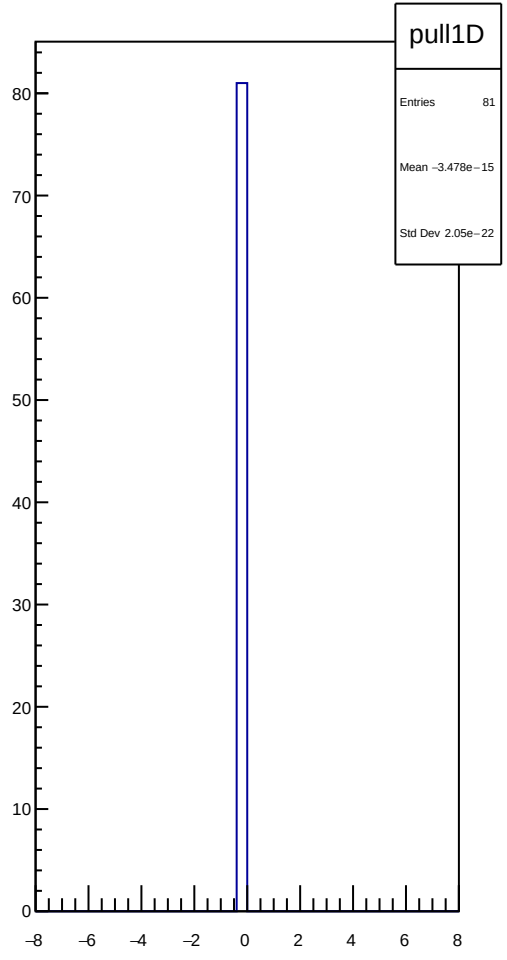

pull1D
Entries 81
Mean 4.269e−15
Std Dev1.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

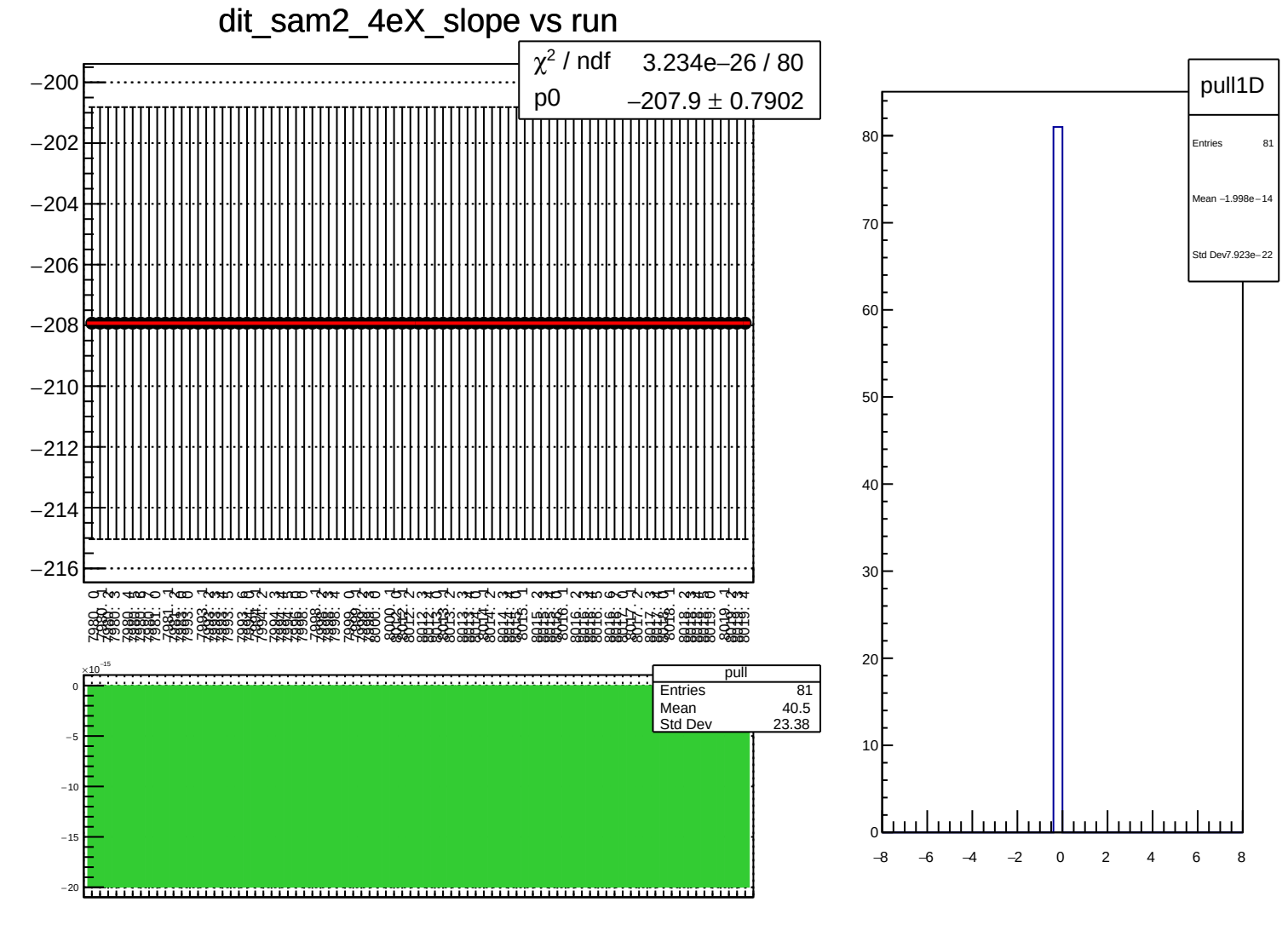

dit_sam1_4aY_slope vs run
χ² / ndf 1.792e−25 / 80
p0 −51.29 ± 0.05036
−50.8
−51
−51.2
−51.4
−51.6
−51.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
pull1D
Entries 81
Mean 4.703e−14
Std Dev 1.986e−21

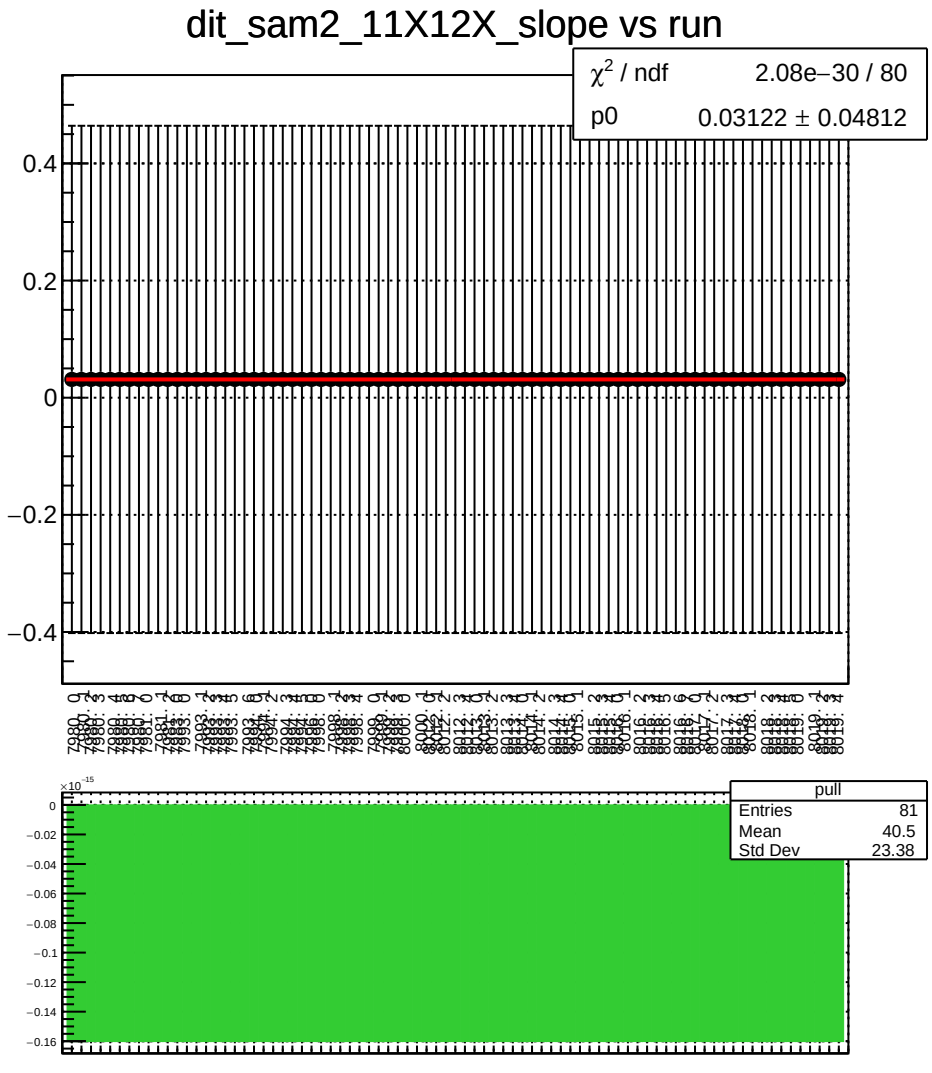

dit_sam1_4eY_slope vs run
χ² / ndf 4.28e−27 / 80
p0 3.963 ± 0.0611
4.6
4.4
4.2
4
3.8
3.6
3.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

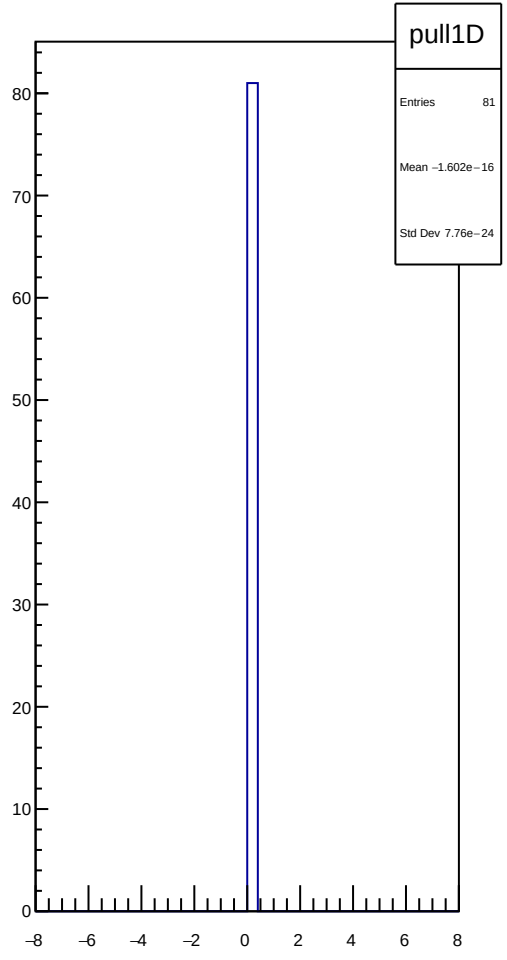

pull1D
Entries 81
Mean −7.269e−15
Std Dev1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

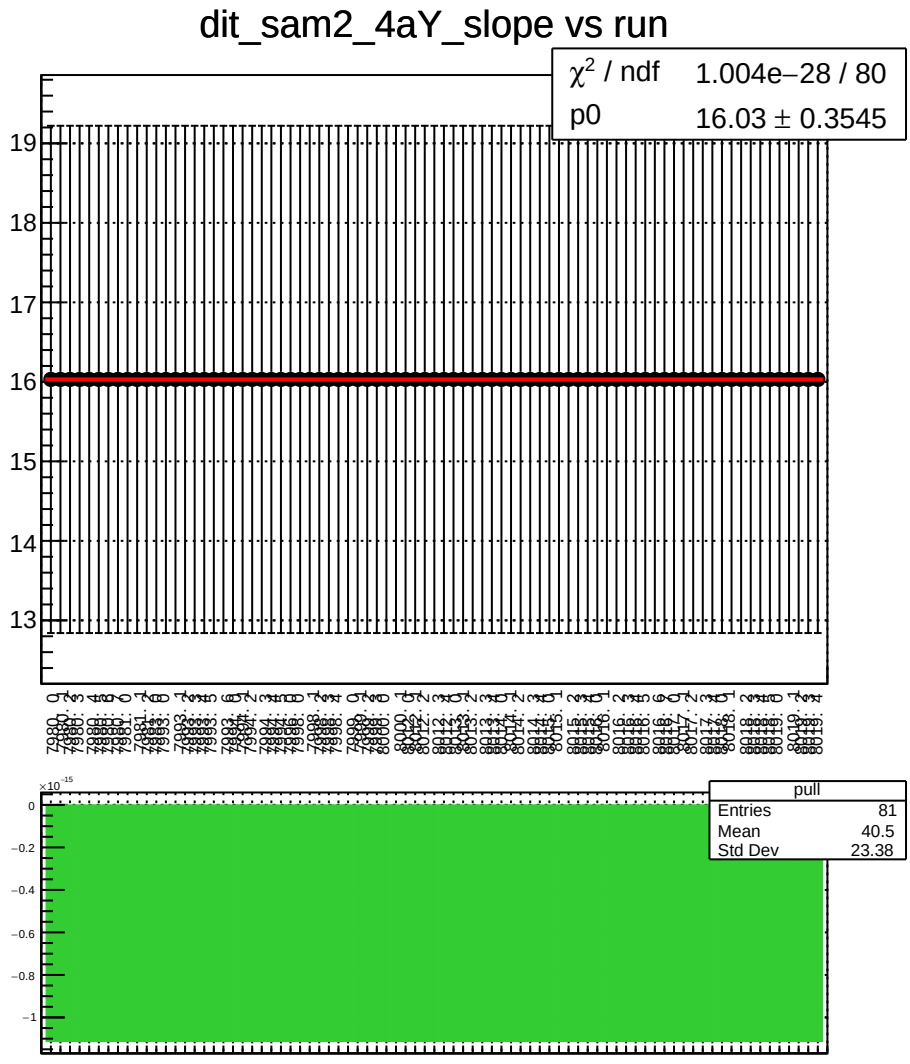

dit_sam2_4aX_slope vs run
χ^2 / ndf 9.797e−28 / 80
p0 11.79 ± 0.5108
pull
Entries 81
Mean 40.5
Std Dev 23.38

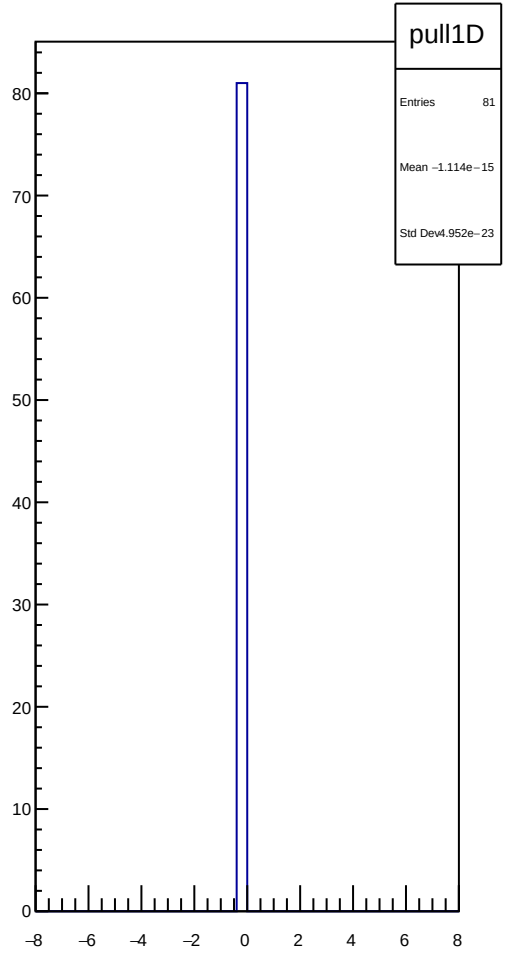

pull1D
Entries 81
Mean −3.478e−15
Std Dev 2.05e−22

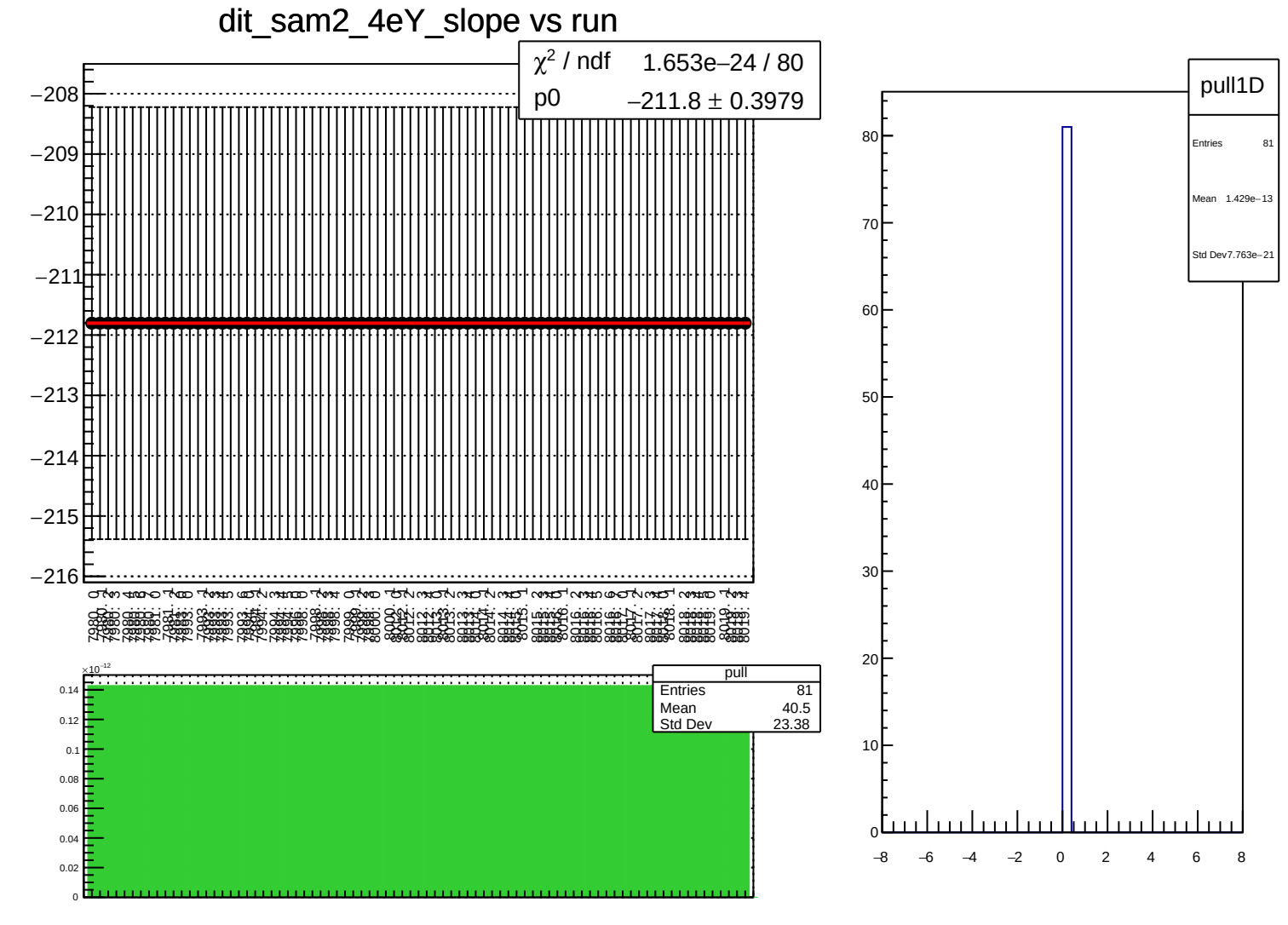

dit_sam2_4eX_slope vs run
χ² / ndf 3.234e−26 / 80
p0 −207.9 ± 0.7902
−200
−202
−204
−206
−208
−210
−212
−214
−216
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 81
Mean −1.998e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

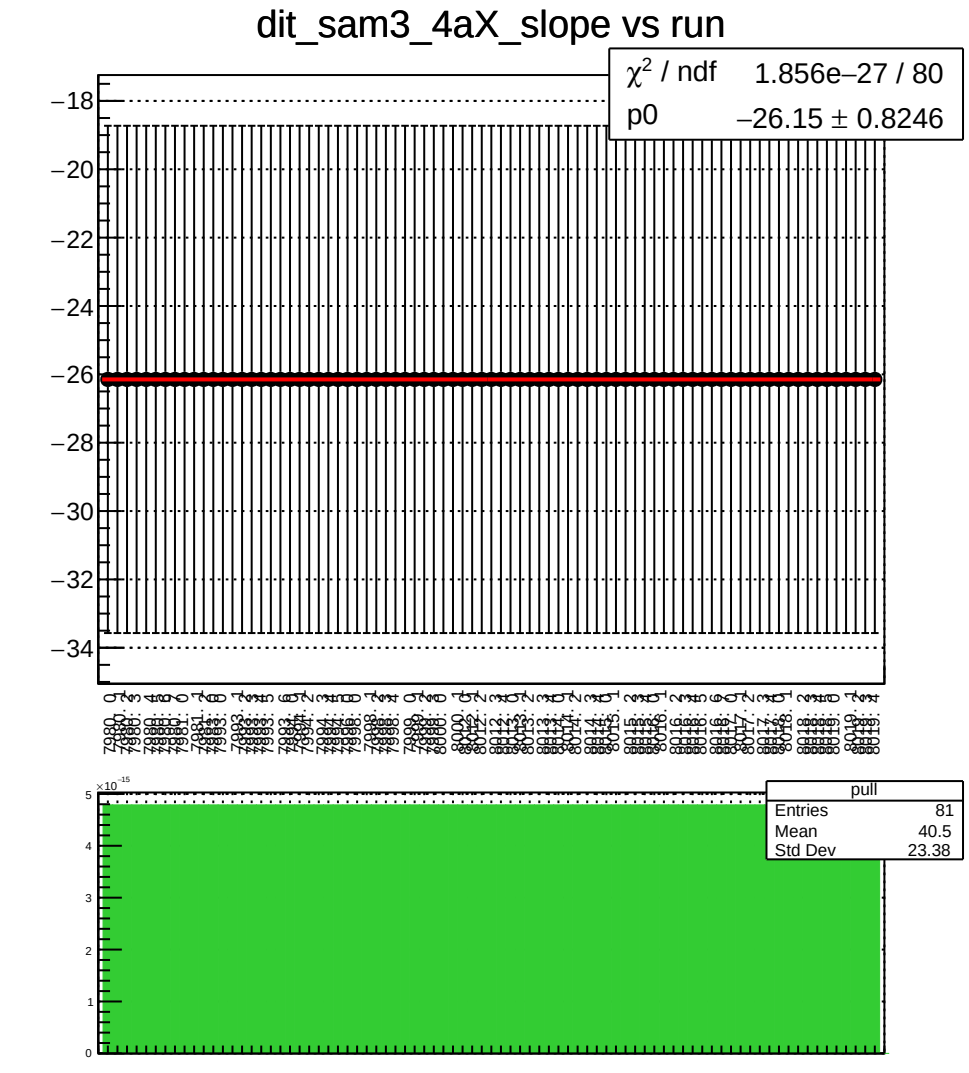

dit_sam2_11X12X_slope vs run
χ² / ndf 2.08e−30 / 80
p0 0.03122 ± 0.04812
0.4
0.2
0
−0.2
−0.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

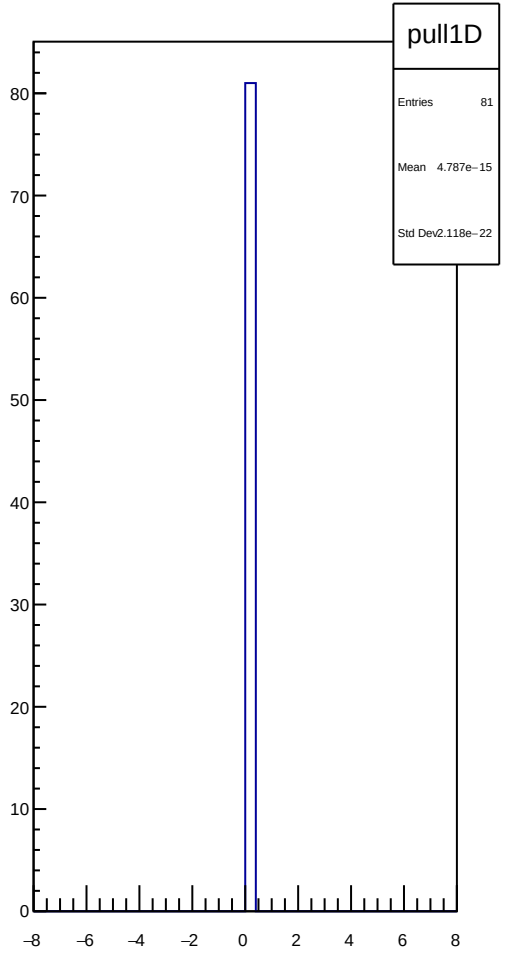

pull1D
Entries 81
Mean −1.602e−16
Std Dev 7.76e−24
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

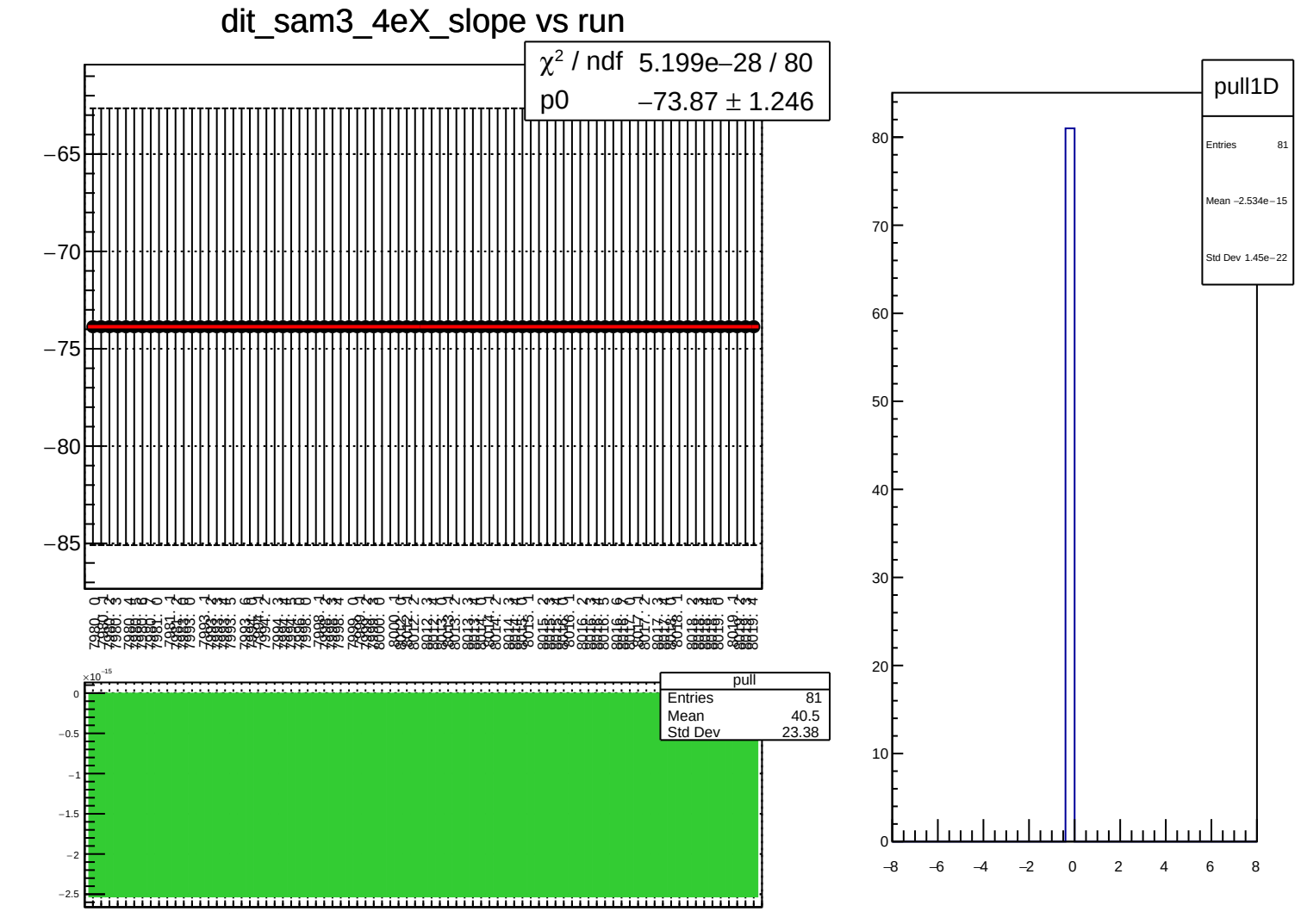

dit_sam2_4aY_slope vs run
χ^2 / ndf 1.004e−28 / 80
p0 16.03 ± 0.3545
19
18
17
16
15
14
13
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1

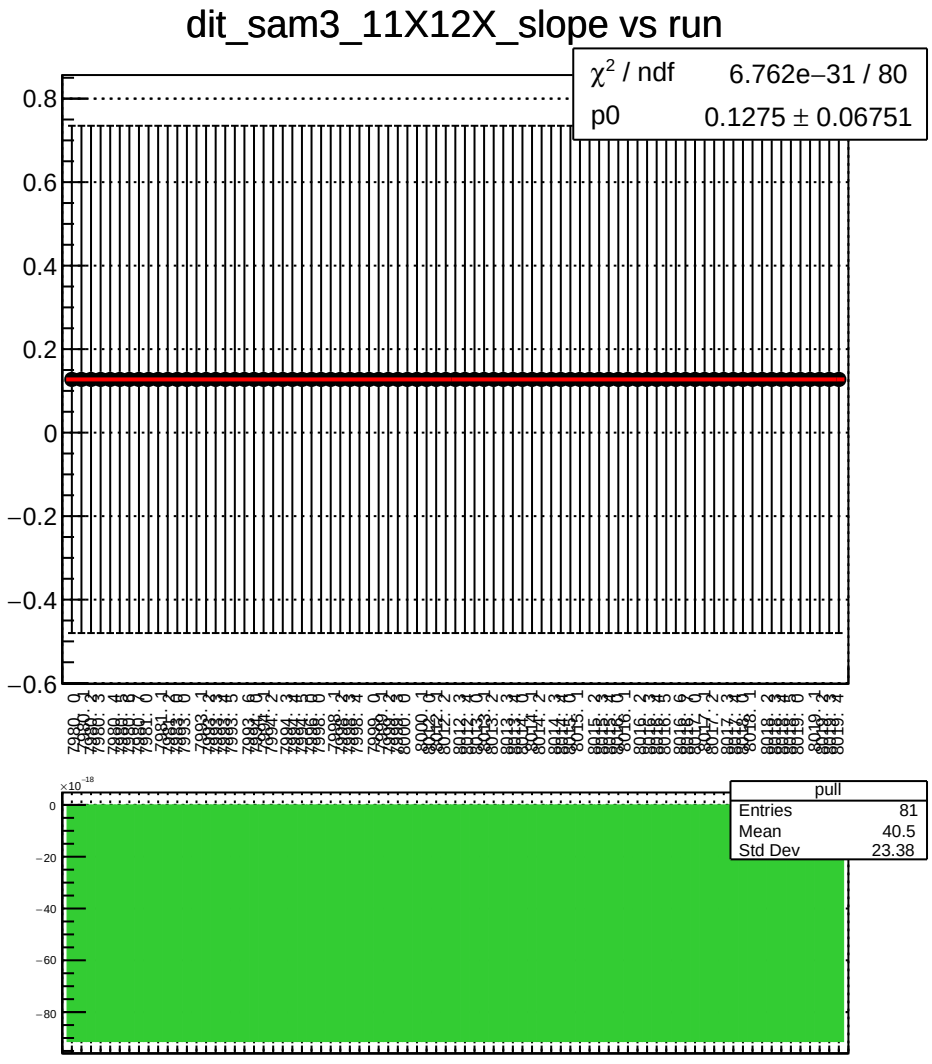

pull1D
Entries 81
Mean −1.114e−15
Std Dev4.952e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

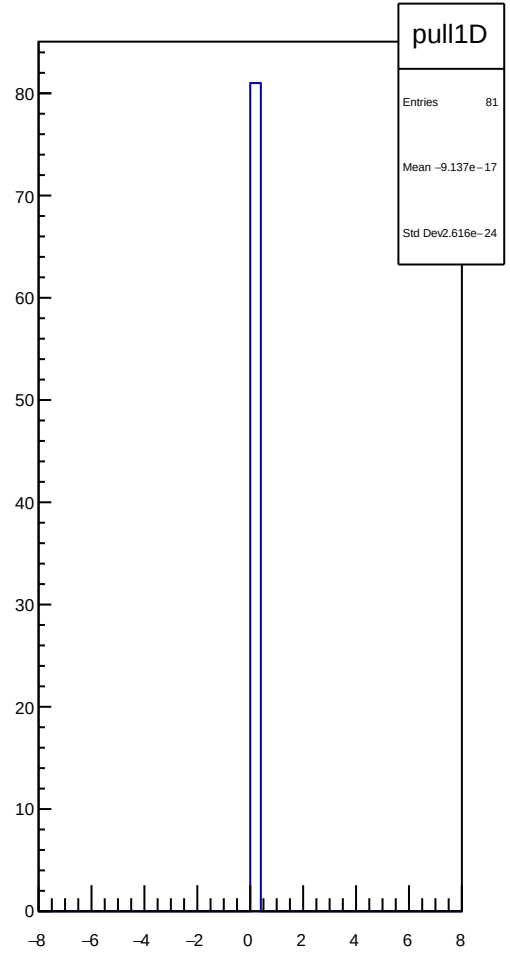

dit_sam2_4eY_slope vs run
χ² / ndf 1.653e−24 / 80
p0 −211.8 ± 0.3979
−208
−209
−210
−211
−212
−213
−214
−215
−216
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.429e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

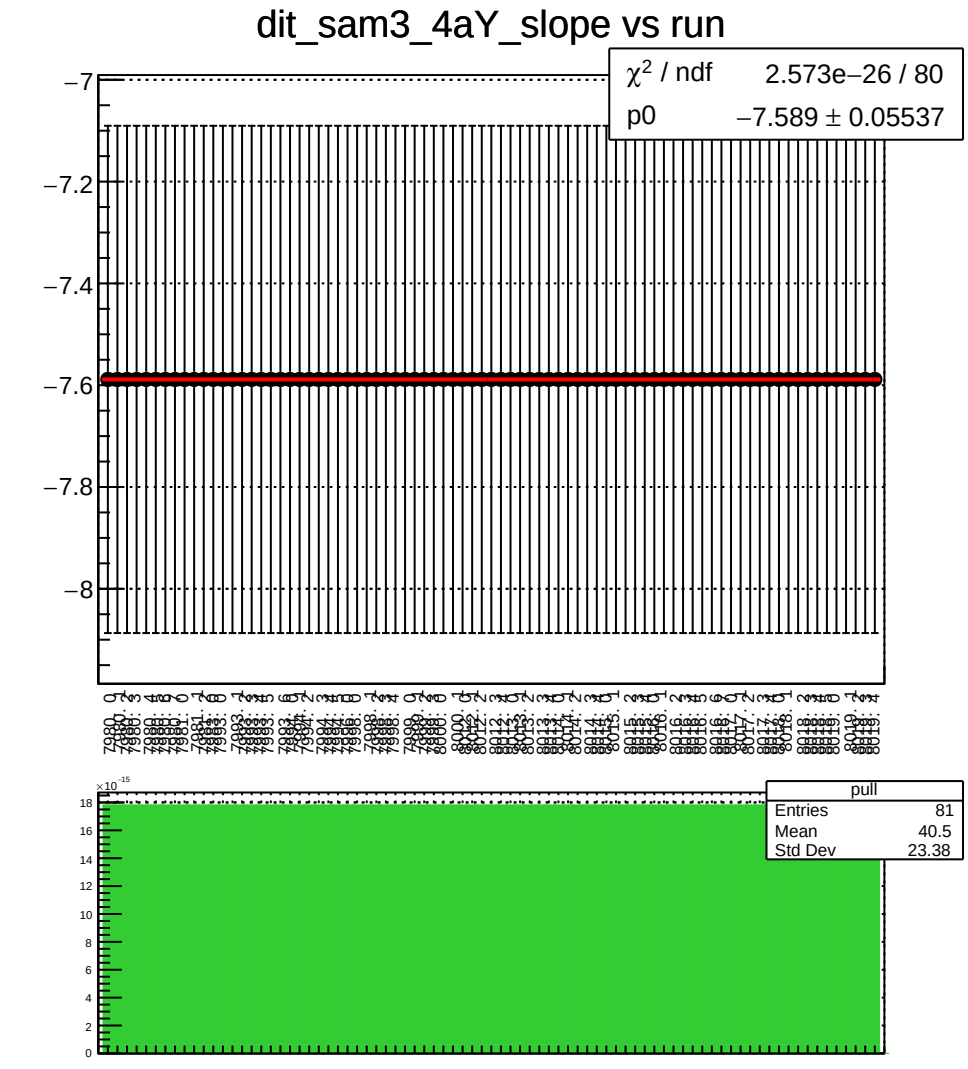

dit_sam3_4aX_slope vs run
χ² / ndf 1.856e−27 / 80
p0 −26.15 ± 0.8246
−18
−20
−22
−24
−26
−28
−30
−32
−34
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
5
4
3
2
1
0

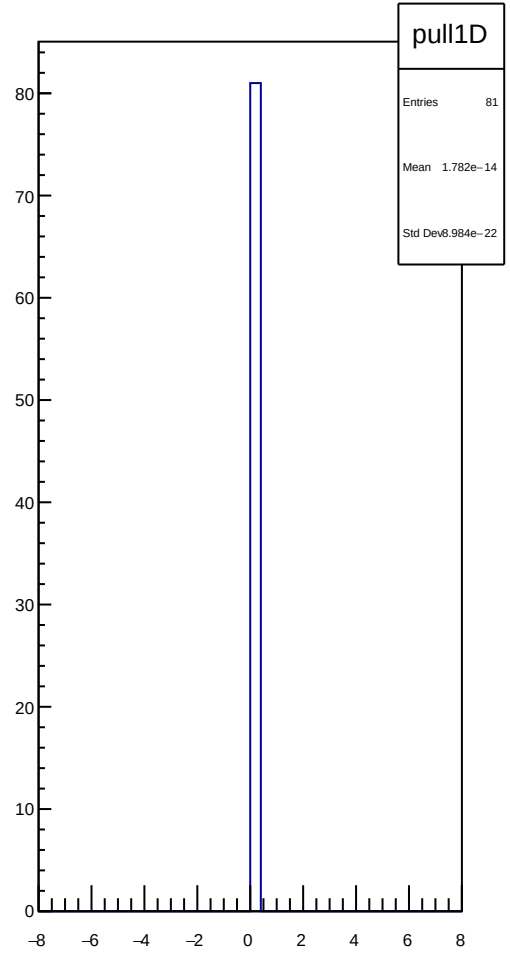

pull1D
Entries 81
Mean 4.787e−15
Std Dev2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

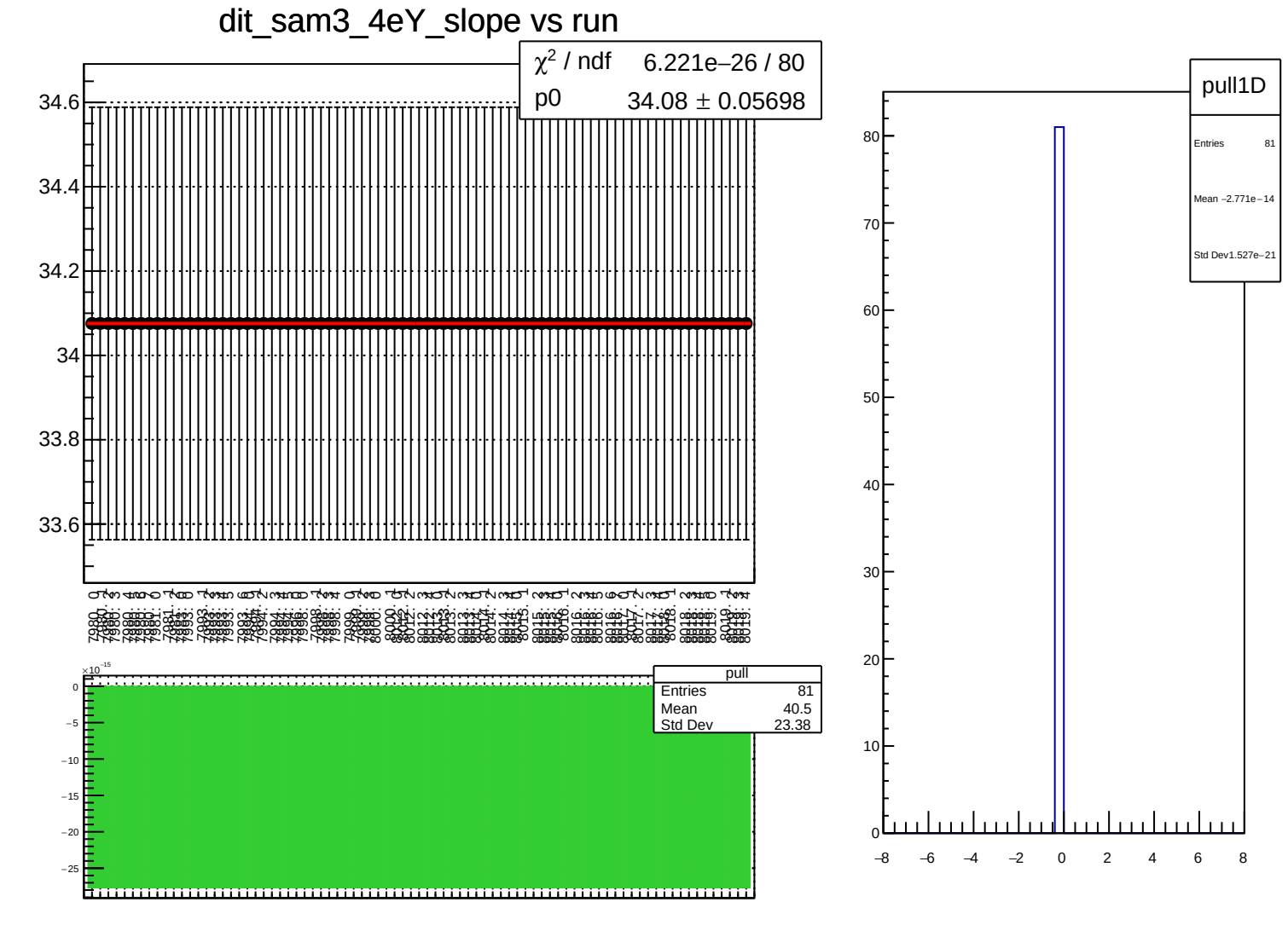

dit_sam3_4eX_slope vs run
χ² / ndf 5.199e−28 / 80
p0 −73.87 ± 1.246
−65
−70
−75
−80
−85
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −2.534e−15
Std Dev 1.45e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

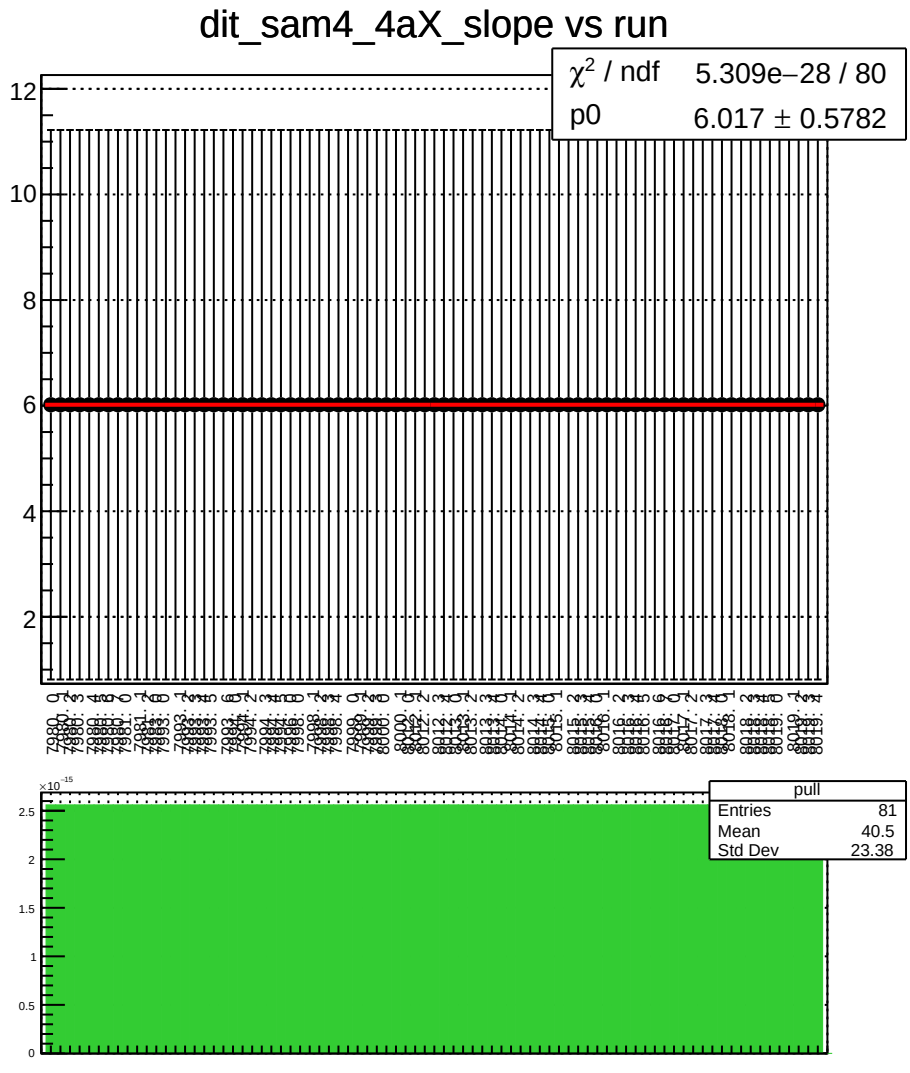

dit_sam3_11X12X_slope vs run
χ² / ndf 6.762e−31 / 80
p0 0.1275 ± 0.06751
pull
Entries 81
Mean 40.5
Std Dev 23.38

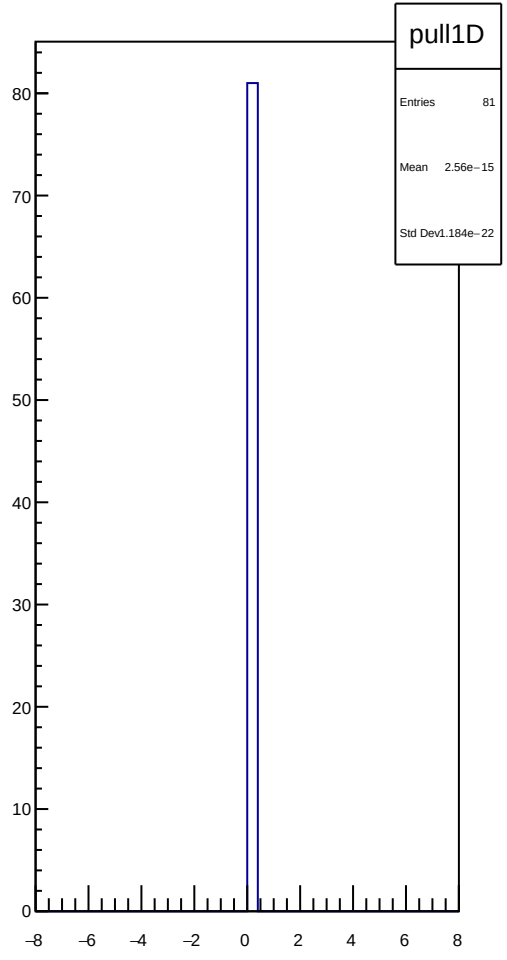

pull1D
Entries 81
Mean −9.137e−17
Std Dev 2.616e−24

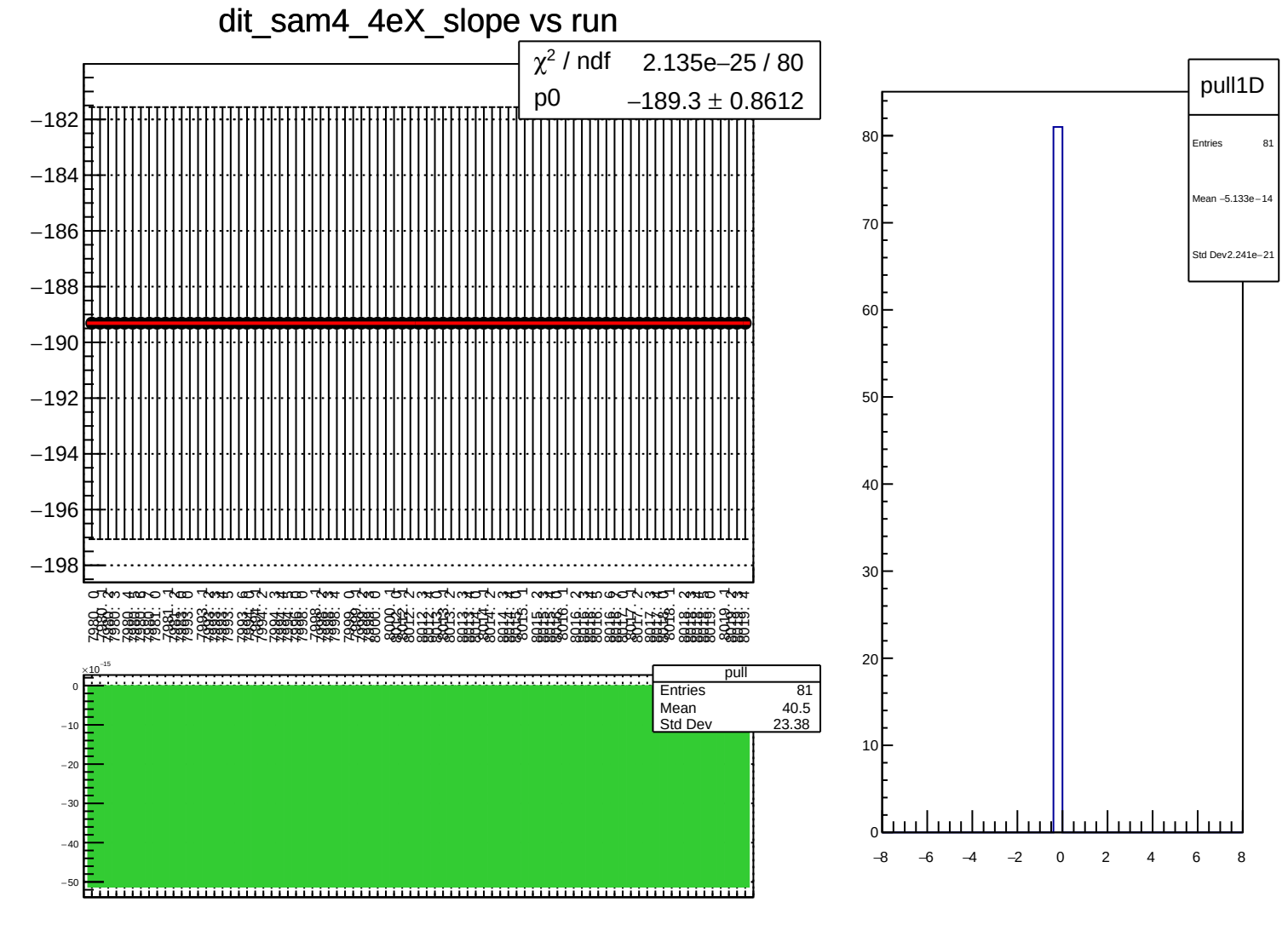

dit_sam3_4aY_slope vs run
χ² / ndf 2.573e−26 / 80
p0 −7.589 ± 0.05537
−7
−7.2
−7.4
−7.6
−7.8
−8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵

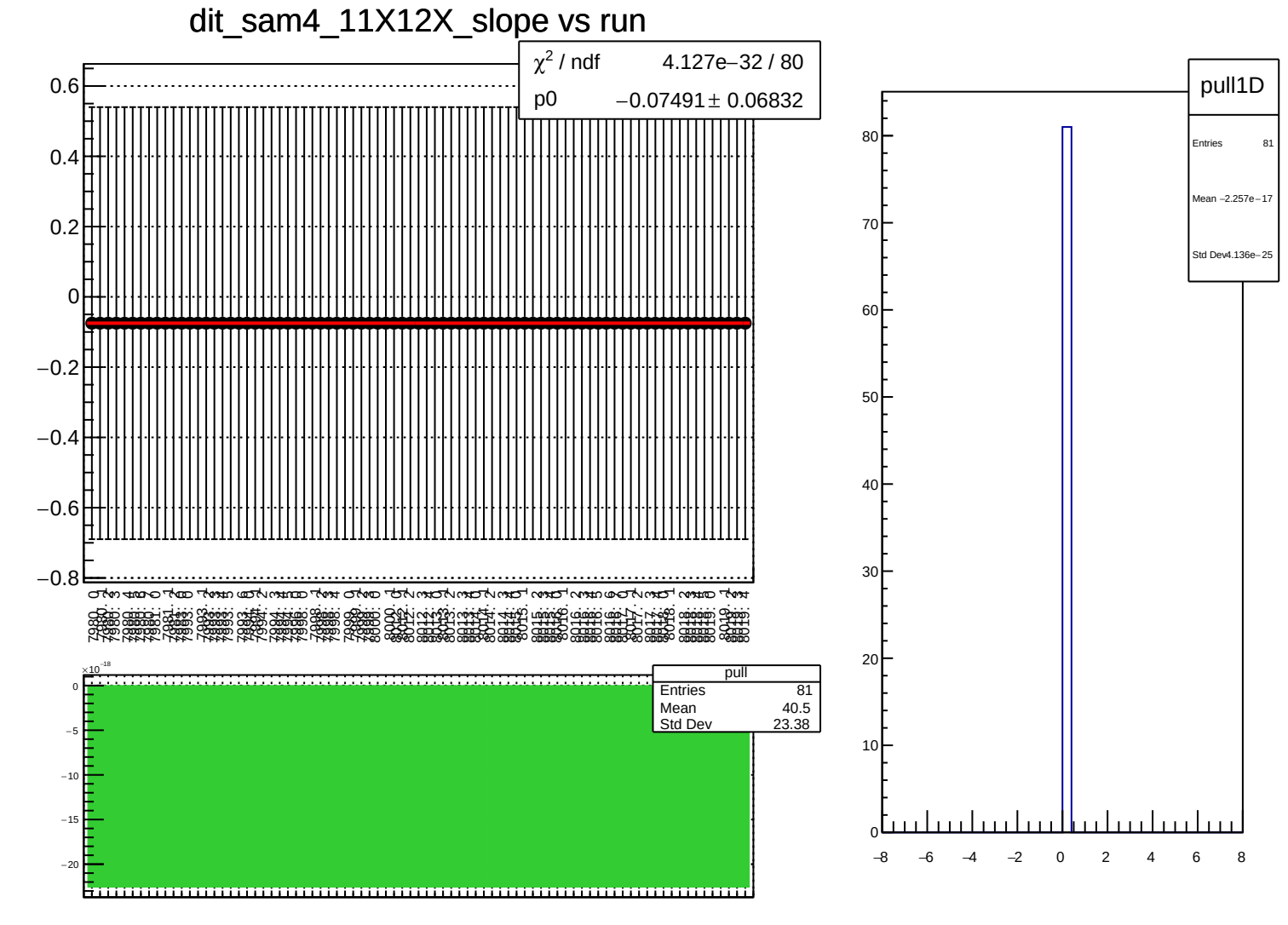

pull1D
Entries 81
Mean 1.782e−14
Std Dev 8.984e−22

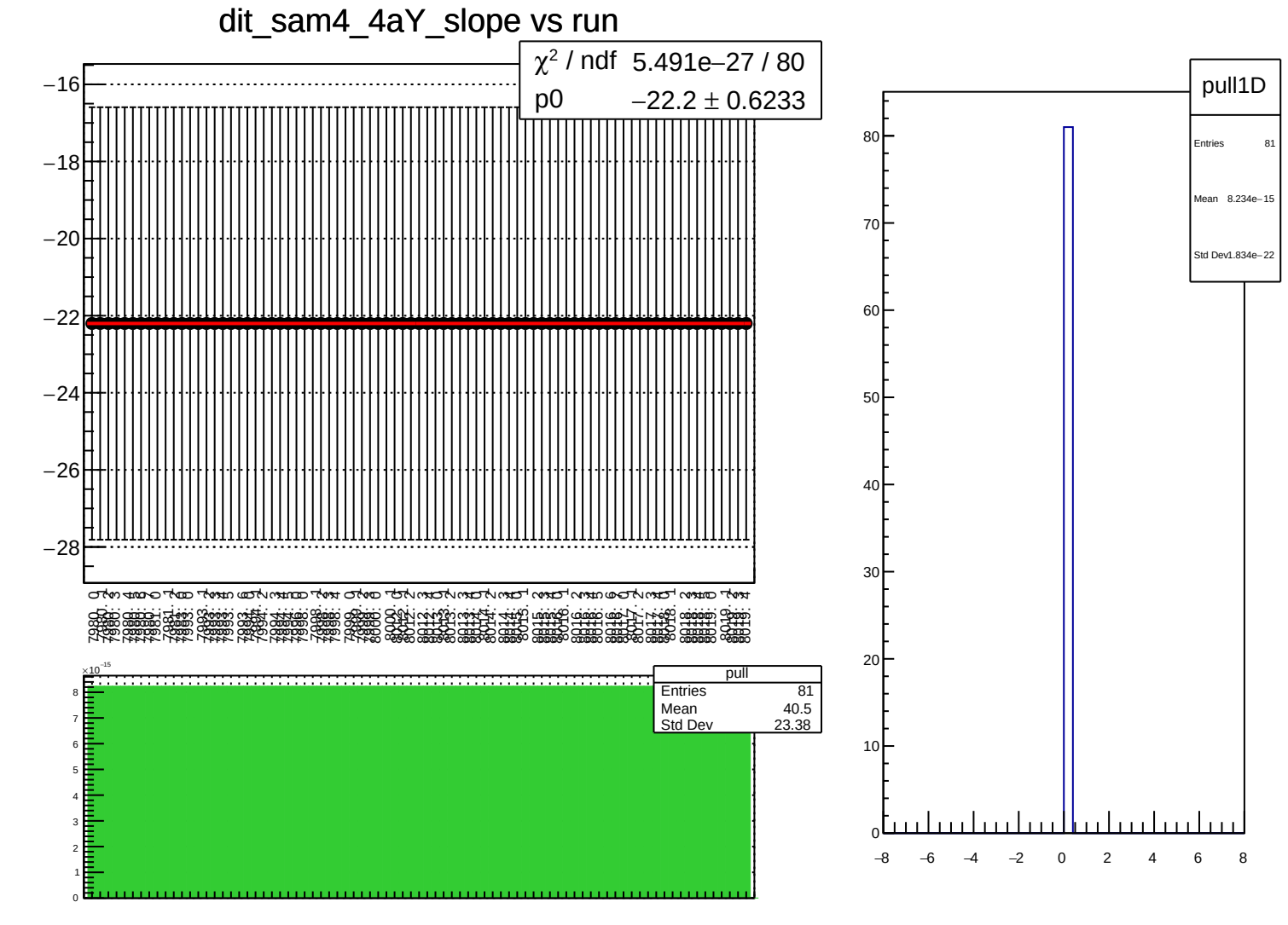

dit_sam3_4eY_slope vs run
χ² / ndf 6.221e−26 / 80
p0 34.08 ± 0.05698
34.6
34.4
34.2
34
33.8
33.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean −2.771e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

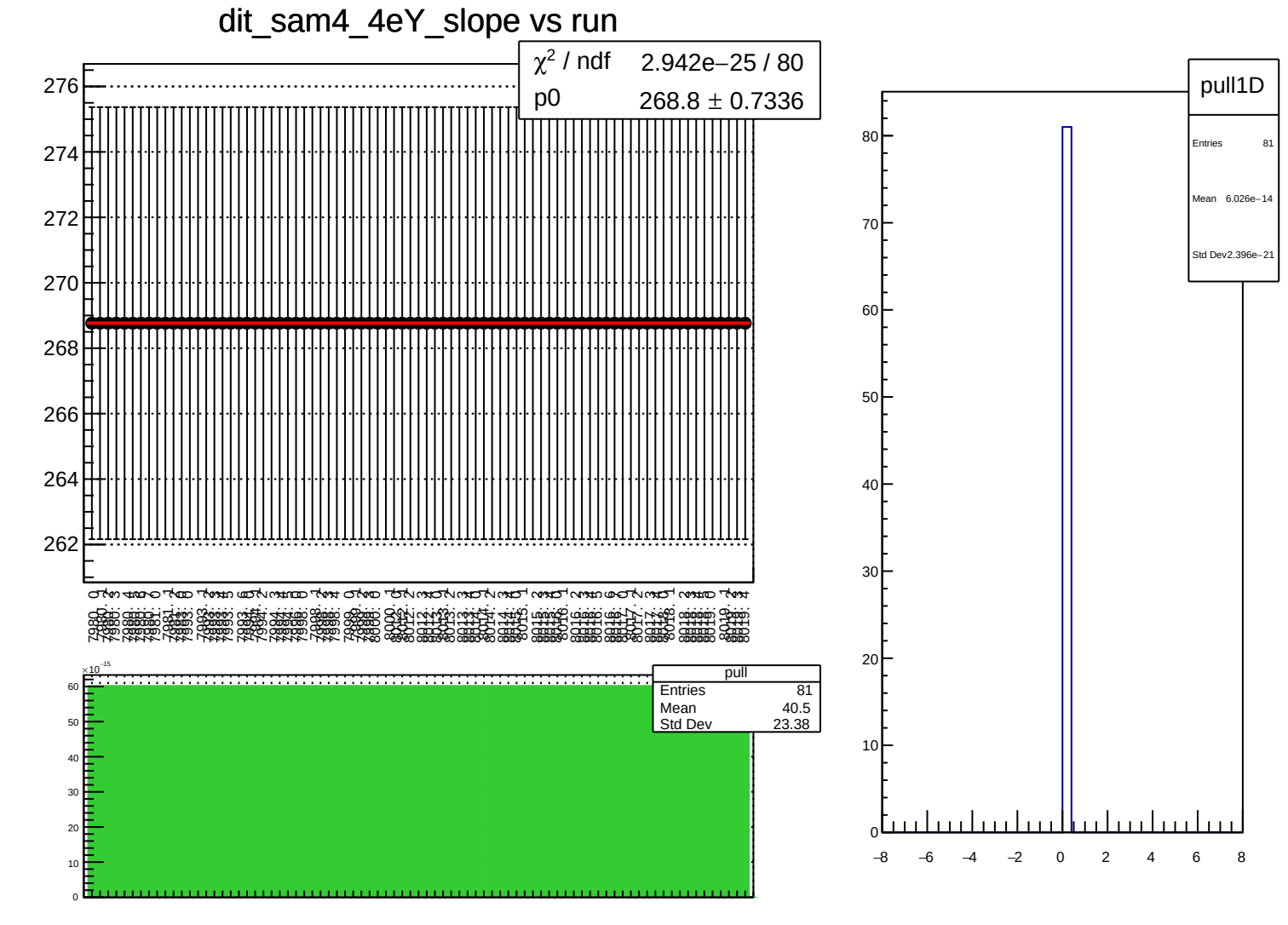

dit_sam4_4aX_slope vs run
χ² / ndf 5.309e−28 / 80
p0 6.017 ± 0.5782
pull
Entries 81
Mean 40.5
Std Dev 23.38

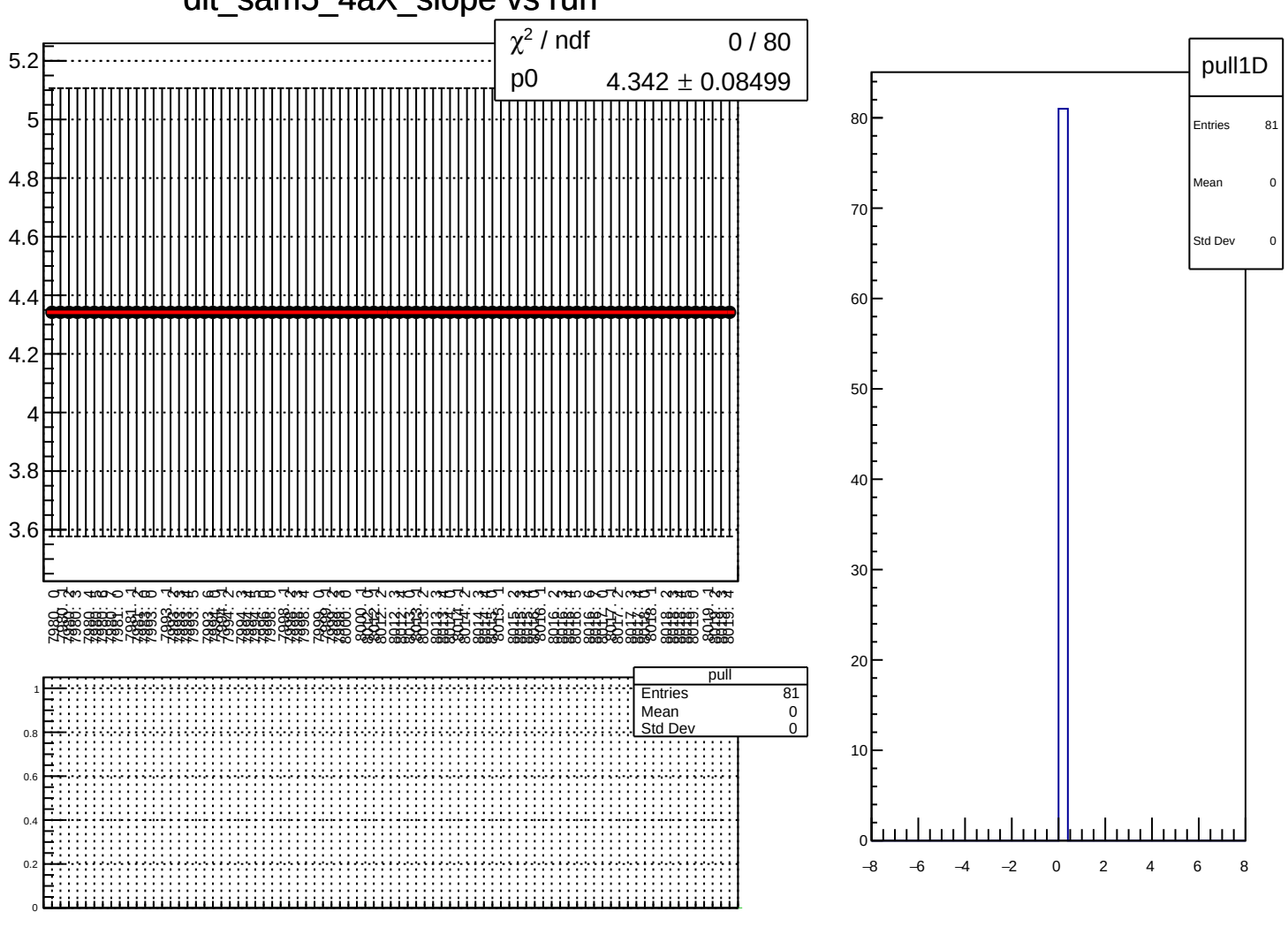

pull1D
Entries 81
Mean 2.56e−15
Std Dev1.184e−22

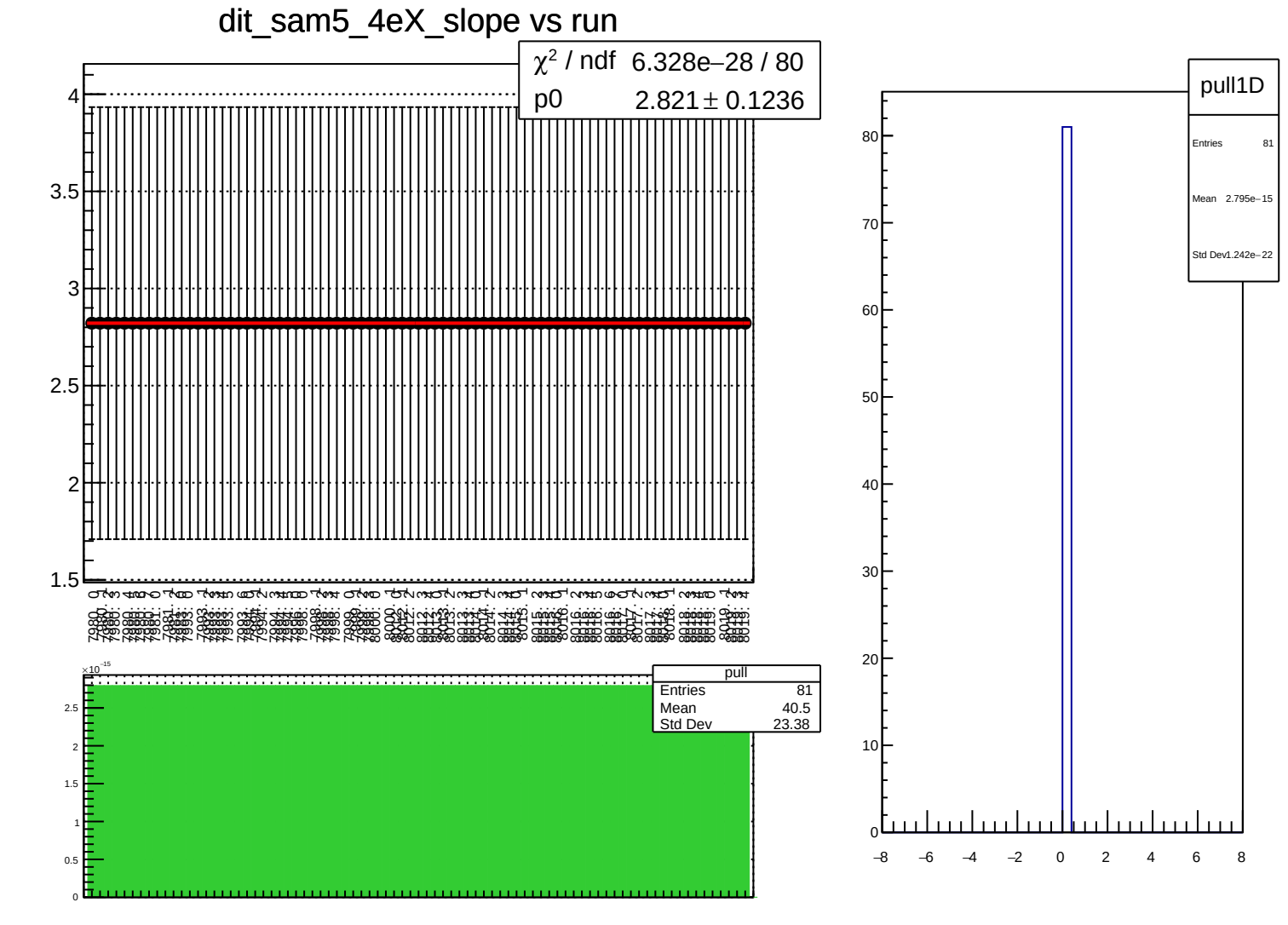

dit_sam4_4eX_slope vs run
χ² / ndf 2.135e−25 / 80
p0 −189.3 ± 0.8612
−182
−184
−186
−188
−190
−192
−194
−196
−198
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 81
Mean −5.133e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

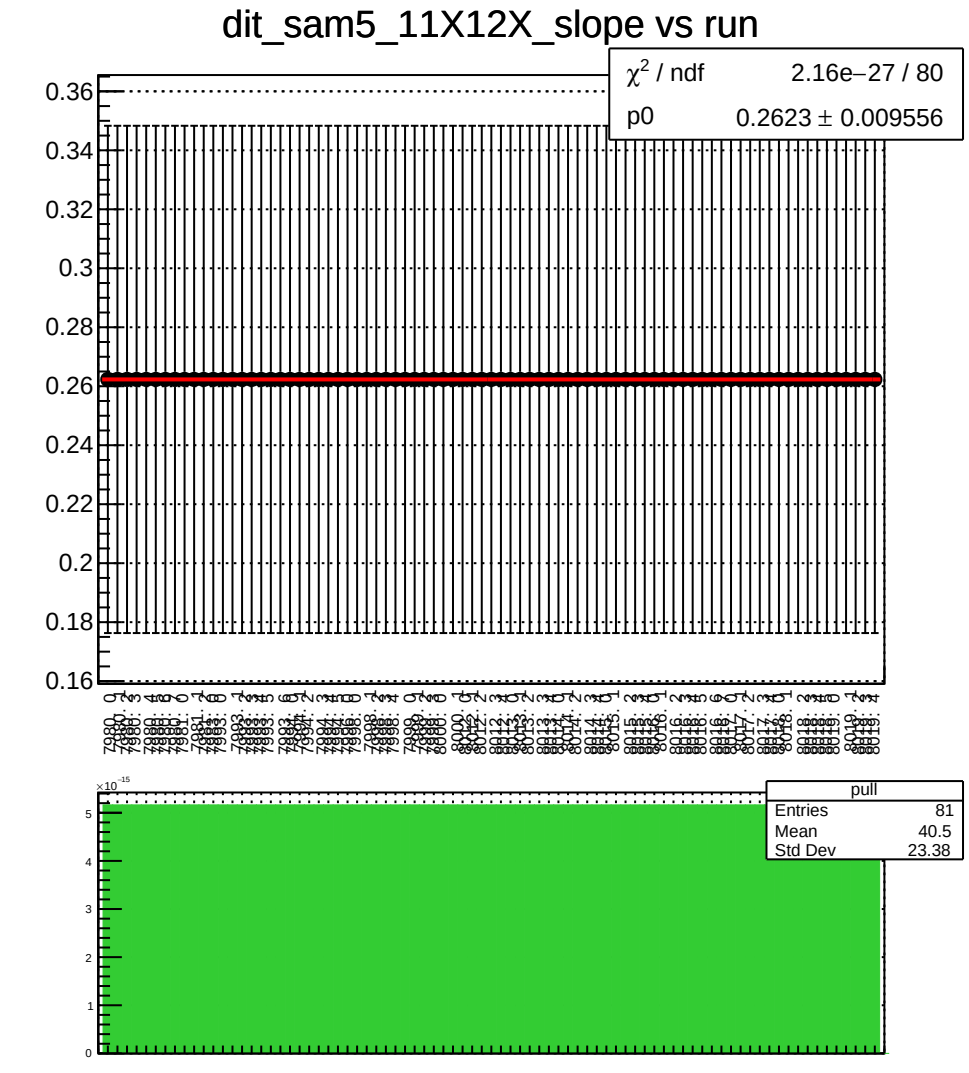

dit_sam4_11X12X_slope vs run
χ² / ndf 4.127e−32 / 80
p0 −0.07491 ± 0.06832
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.257e−17
Std Dev 4.136e−25

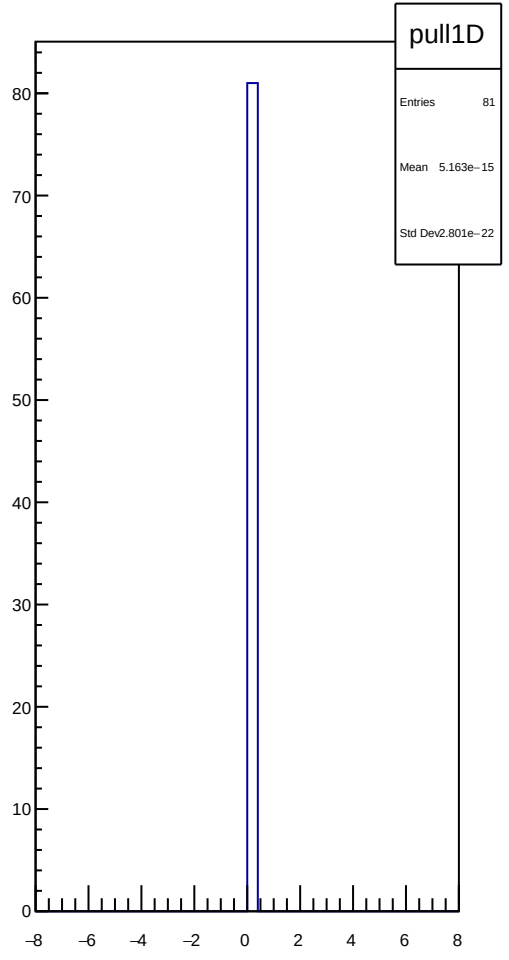

dit_sam4_4aY_slope vs run
χ² / ndf 5.491e−27 / 80
p0 −22.2 ± 0.6233
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 8.234e−15
Std Dev1.834e−22

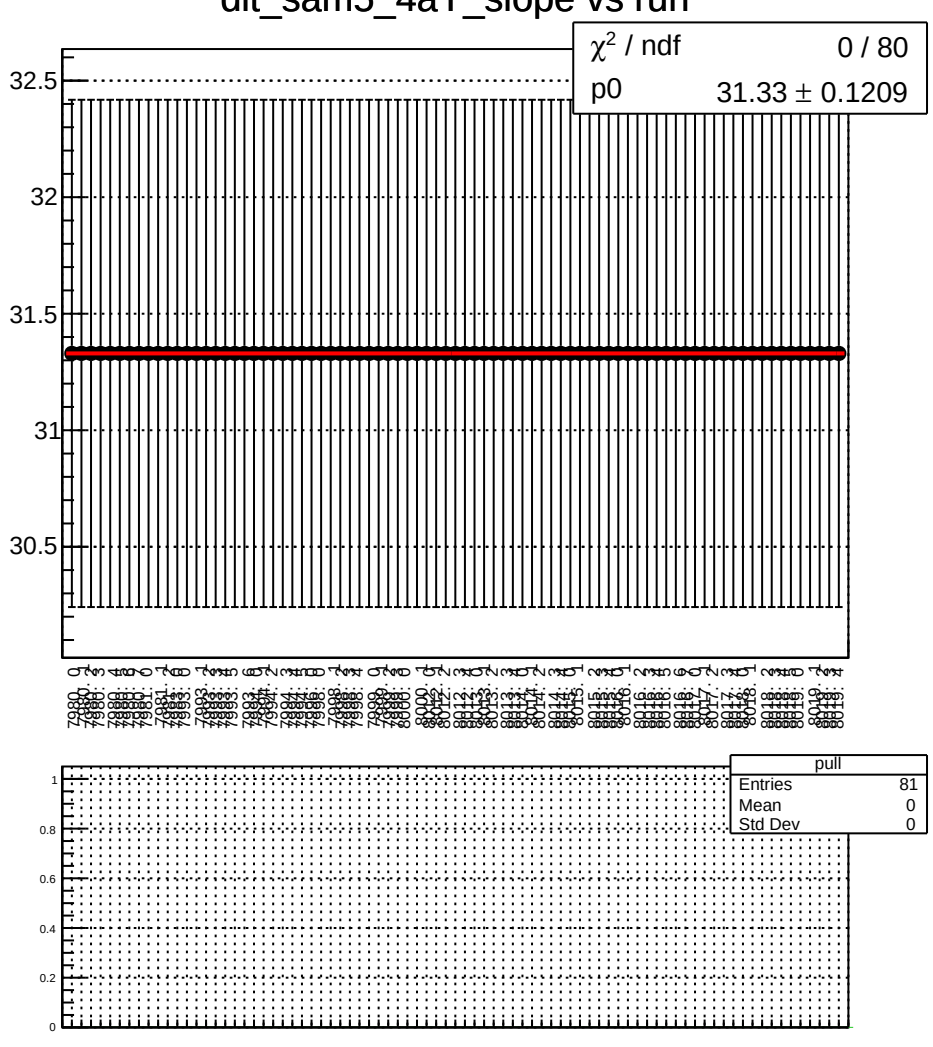

dit_sam4_4eY_slope vs run
χ² / ndf 2.942e−25 / 80
p0 268.8 ± 0.7336
276
274
272
270
268
266
264
262
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 81
Mean 6.026e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

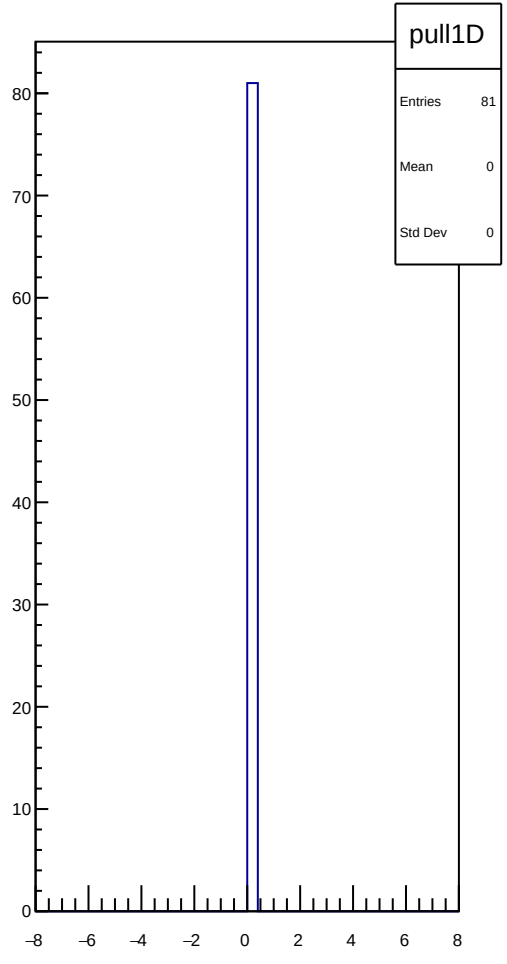

dit_sam5_4aX_slope vs run
χ² / ndf 0 / 80
p0 4.342 ± 0.08499
pull
Entries 81
Mean 0
Std Dev 0
pull1D
Entries 81
Mean 0
Std Dev 0

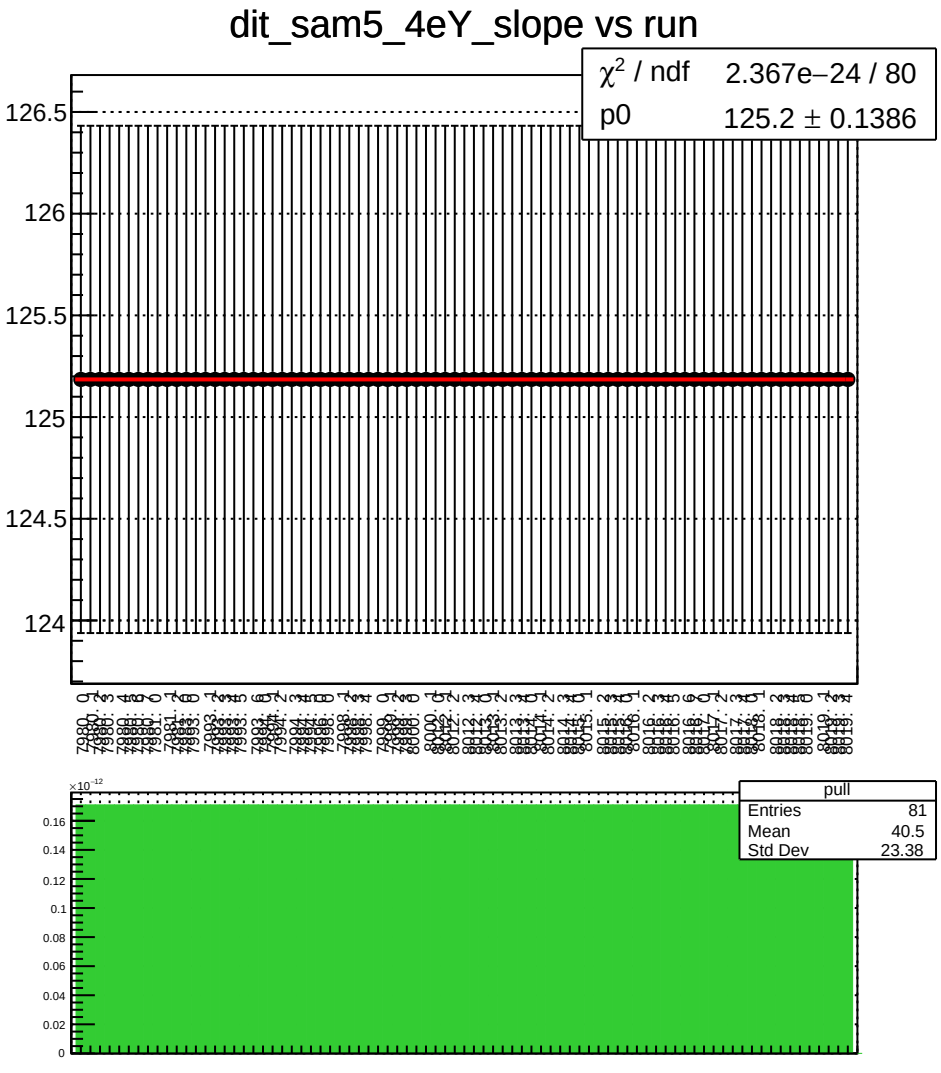

dit_sam5_4eX_slope vs run
χ² / ndf 6.328e−28 / 80
p0 2.821 ± 0.1236
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 2.795e−15
Std Dev1.242e−22

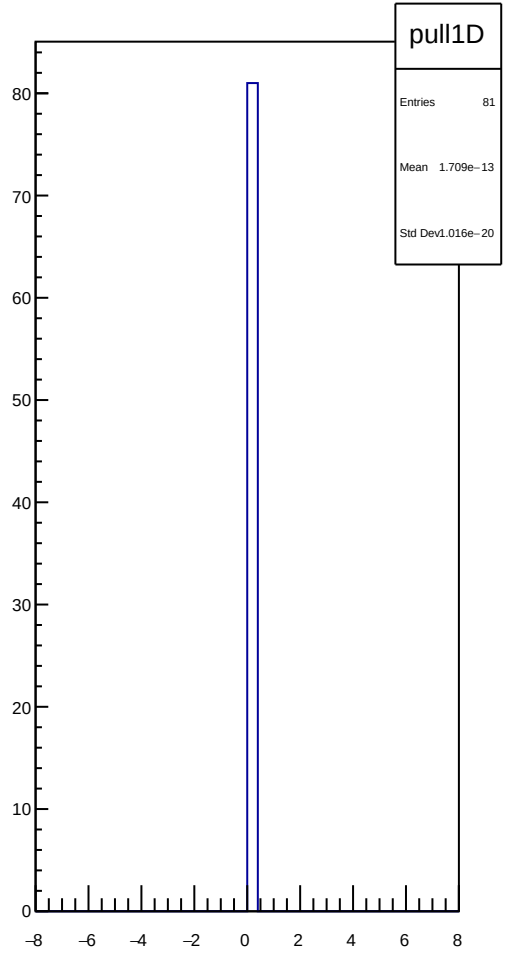

dit_sam5_11X12X_slope vs run
χ² / ndf 2.16e−27 / 80
p0 0.2623 ± 0.009556
pull
Entries 81
Mean 40.5
Std Dev 23.38

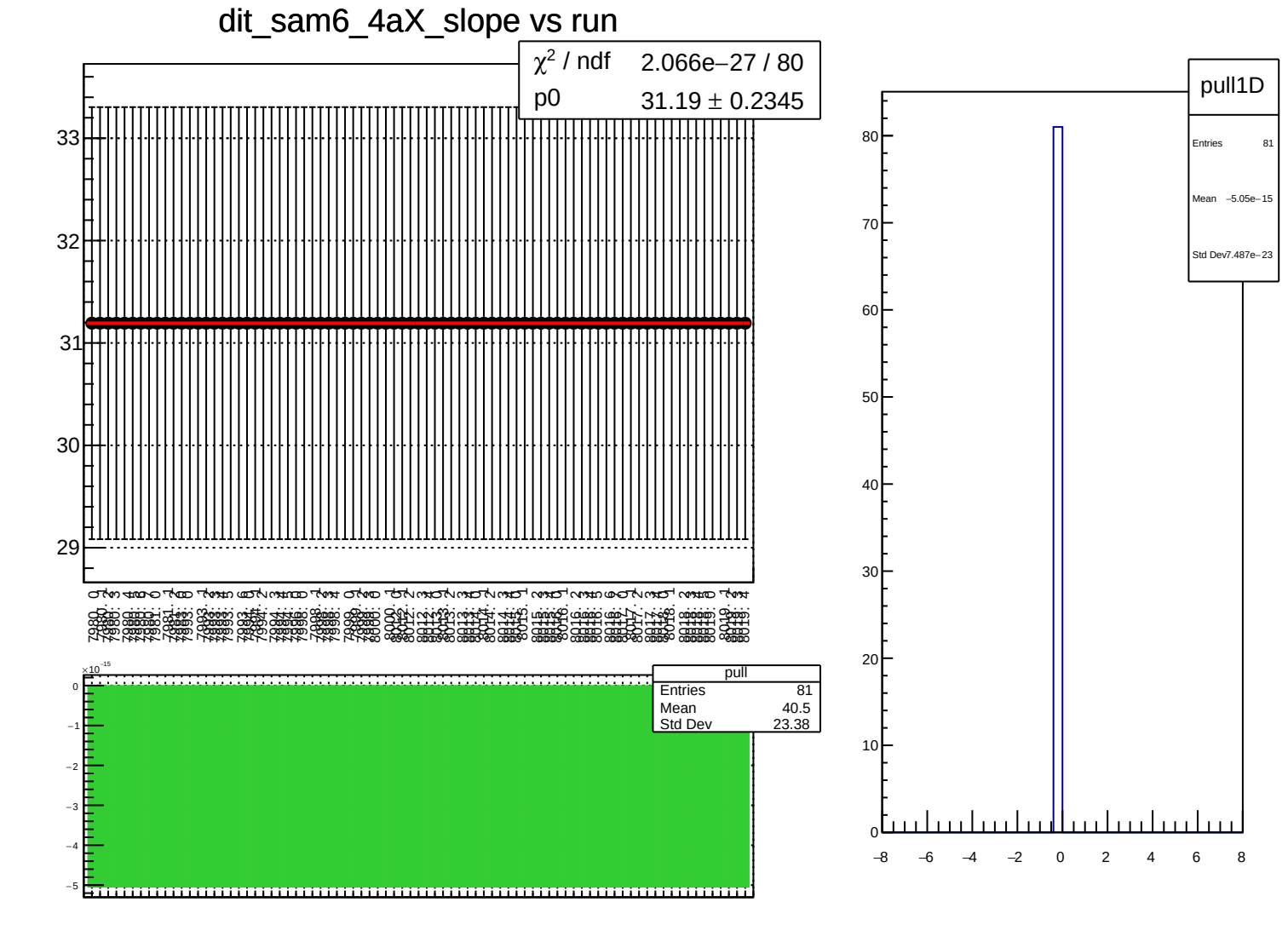

pull1D
Entries 81
Mean 5.163e−15
Std Dev 2.801e−22

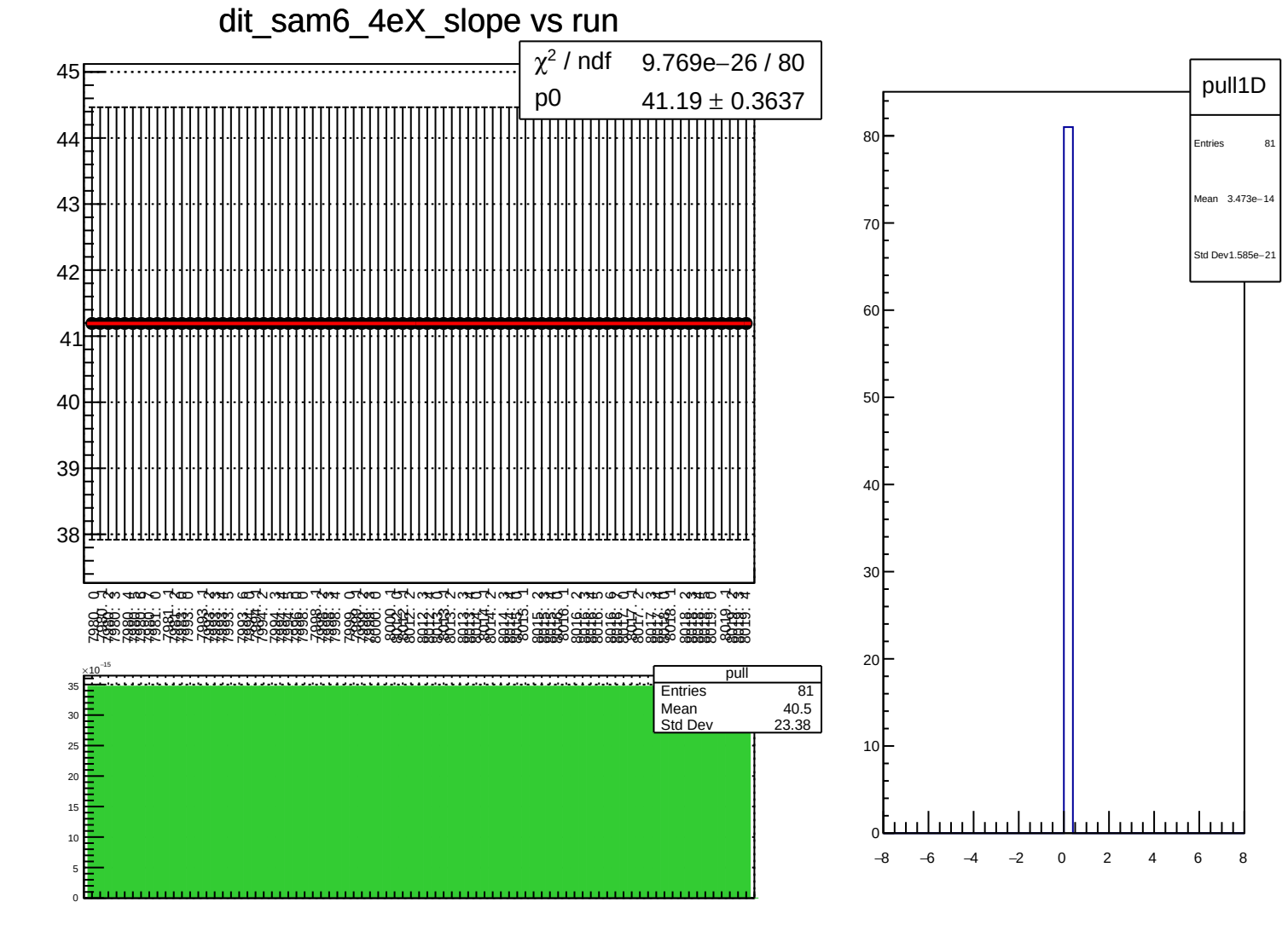

dit_sam5_4aY_slope vs run
χ² / ndf 0 / 80
p0 31.33 ± 0.1209
32.5
32
31.5
31
30.5
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

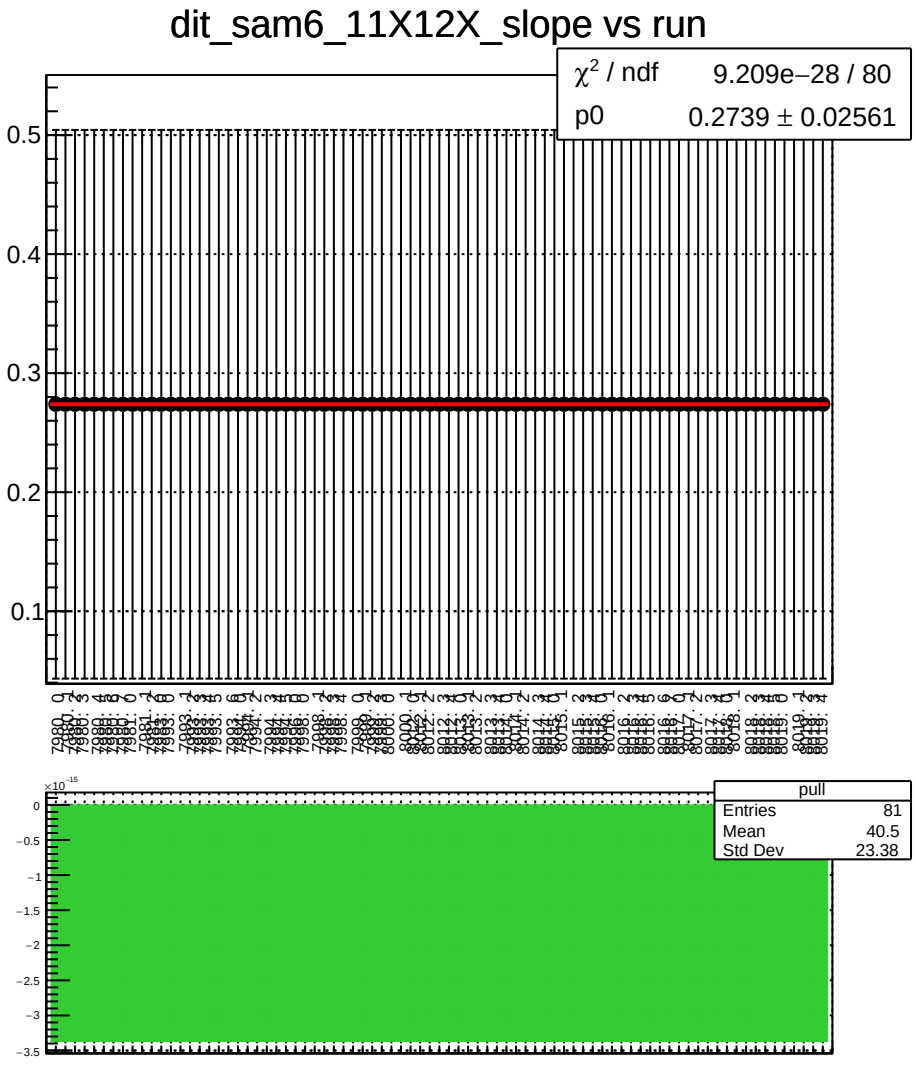

pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

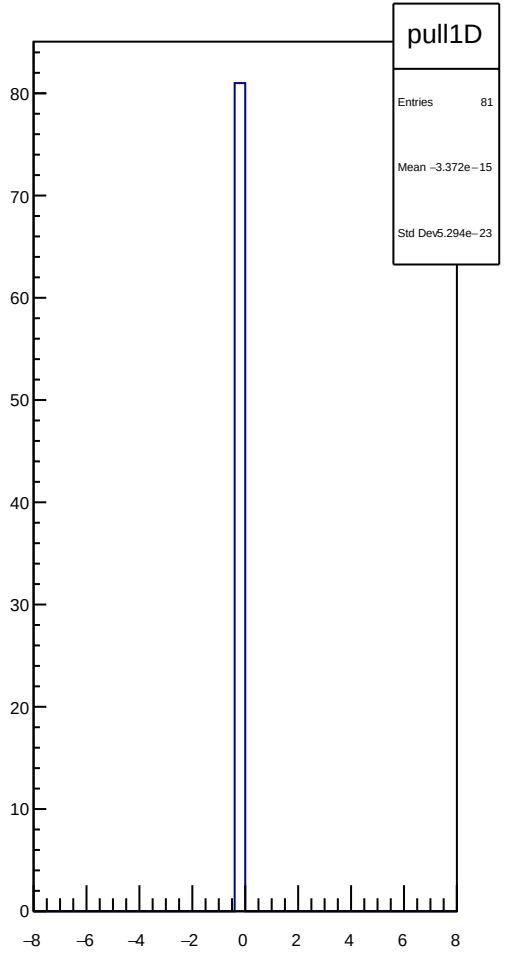

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.367e−24 / 80
p0 125.2 ± 0.1386
126.5
126
125.5
125
124.5
124
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

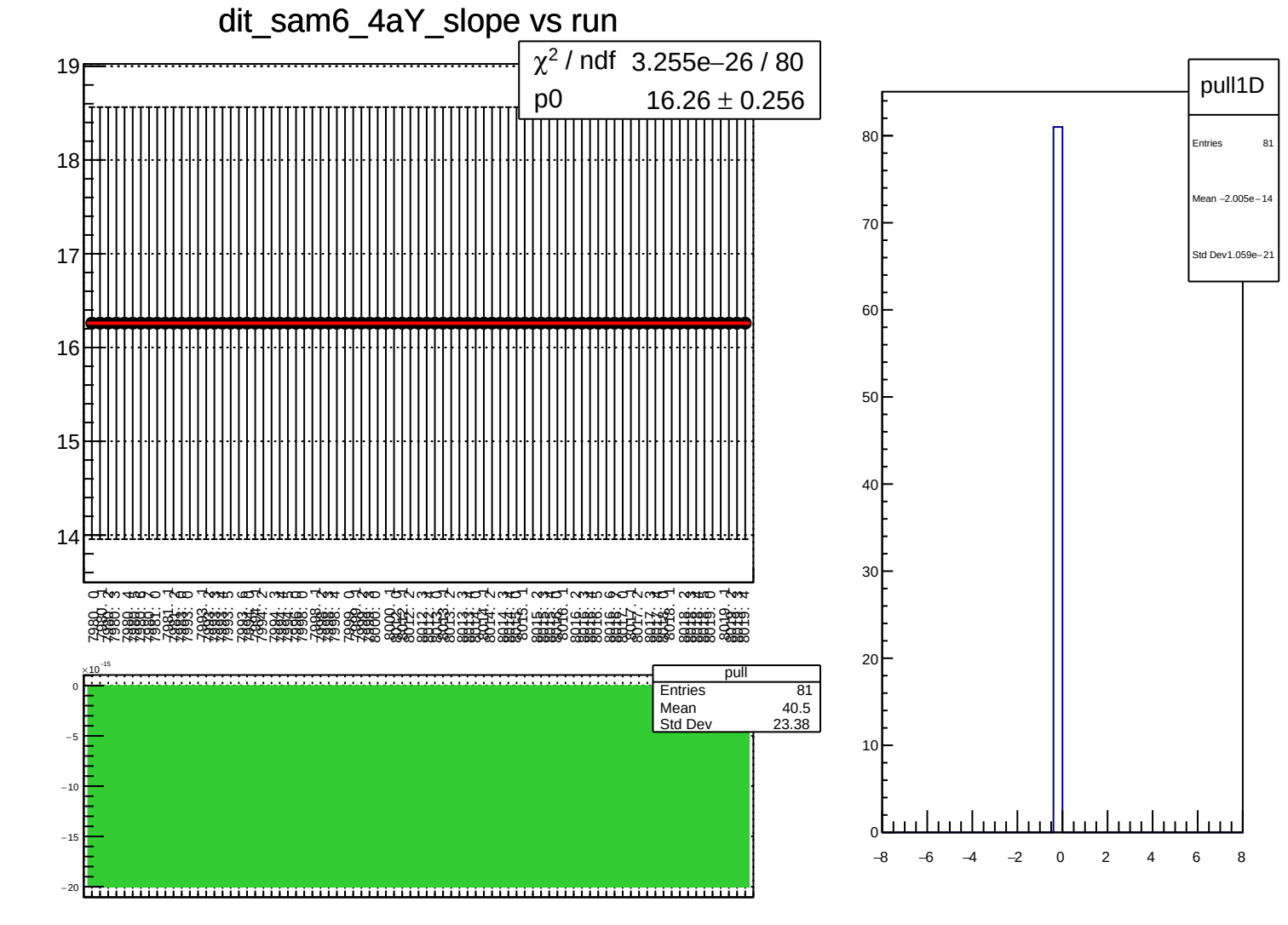

pull1D
Entries 81
Mean 1.709e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

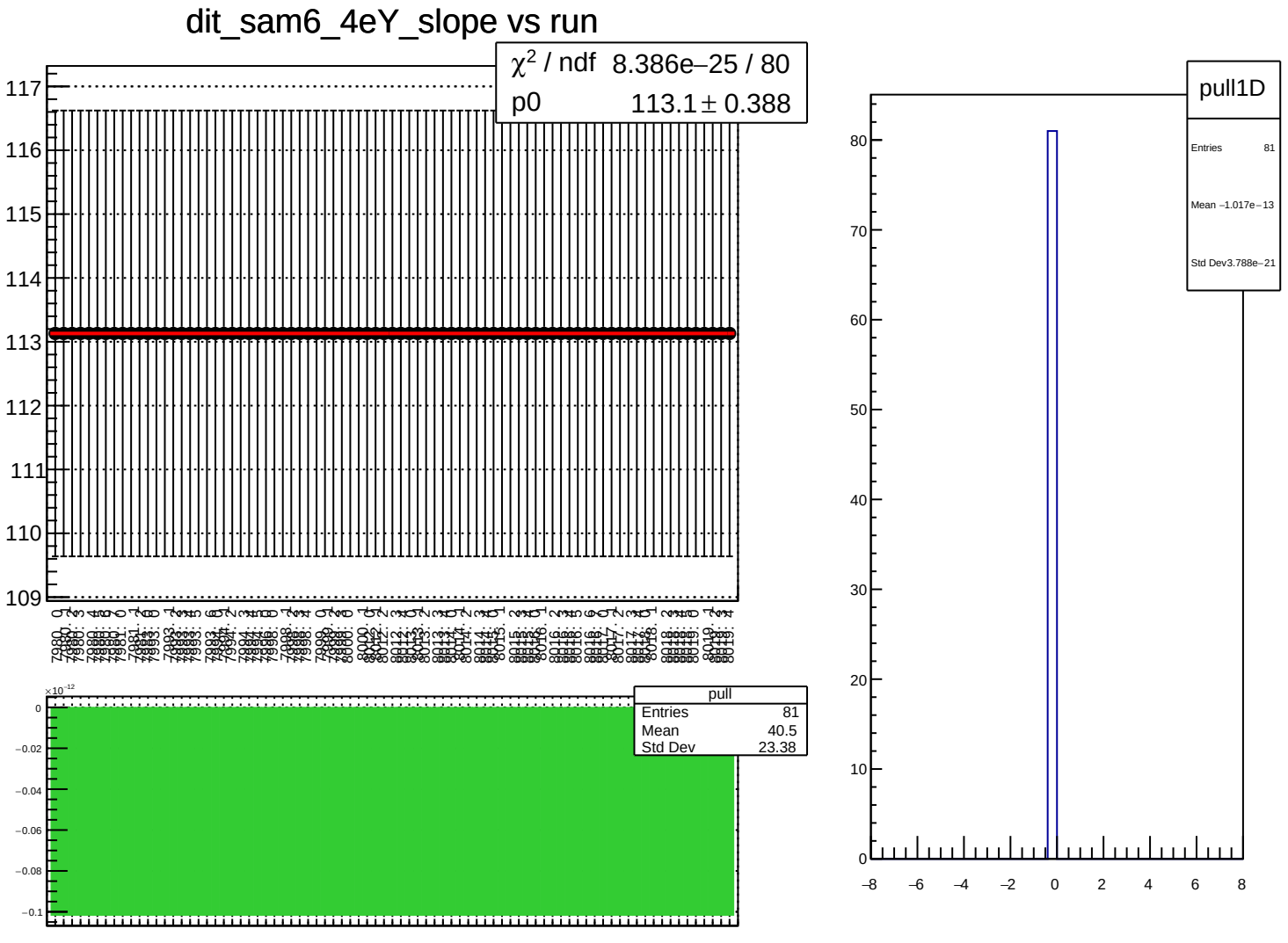

dit_sam6_4aX_slope vs run
χ² / ndf 2.066e−27 / 80
p0 31.19 ± 0.2345
33
32
31
30
29
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 81
Mean −5.05e−15
Std Dev7.487e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

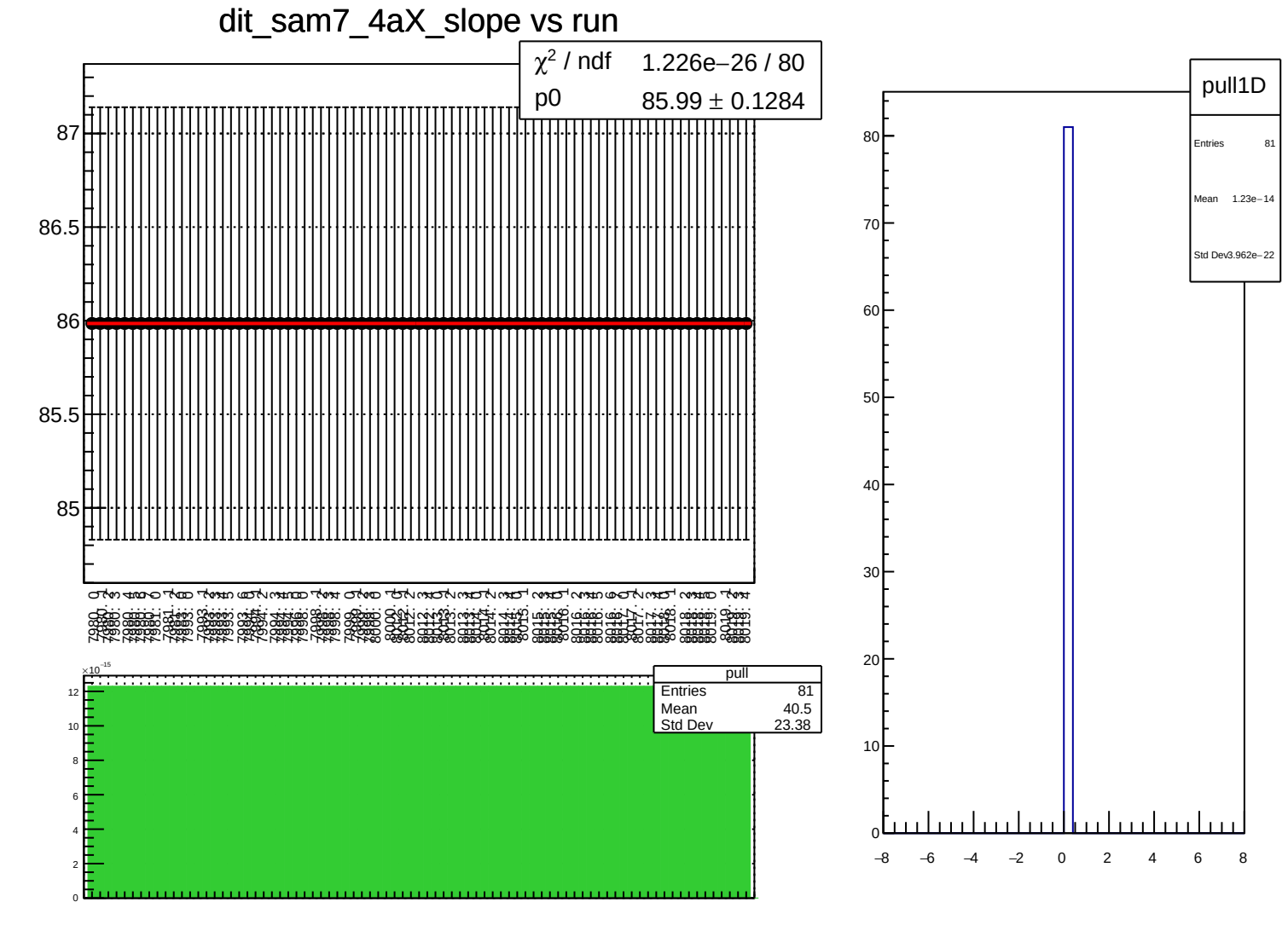

dit_sam6_4eX_slope vs run
χ² / ndf 9.769e−26 / 80
p0 41.19 ± 0.3637
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 3.473e−14
Std Dev1.585e−21

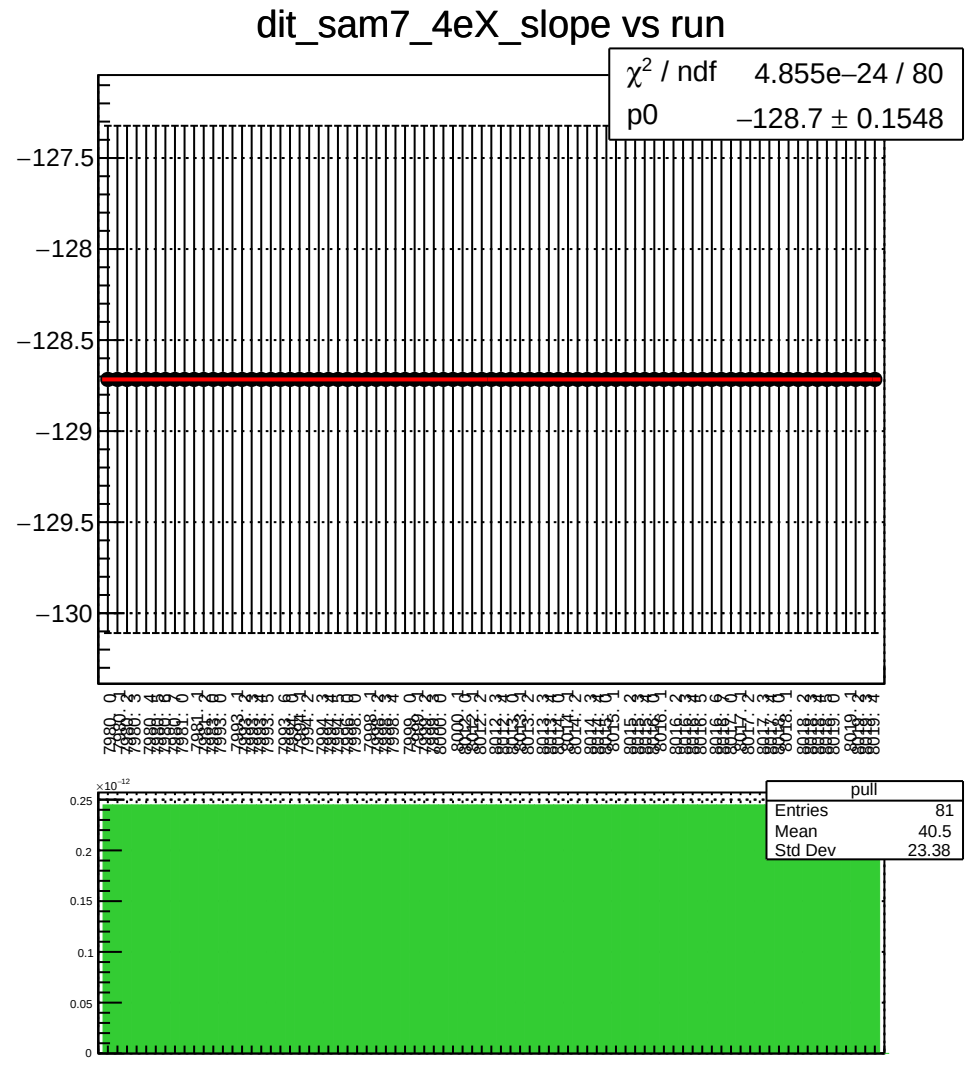

dit_sam6_11X12X_slope vs run
χ² / ndf 9.209e−28 / 80
p0 0.2739 ± 0.02561
0.5
0.4
0.3
0.2
0.1
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

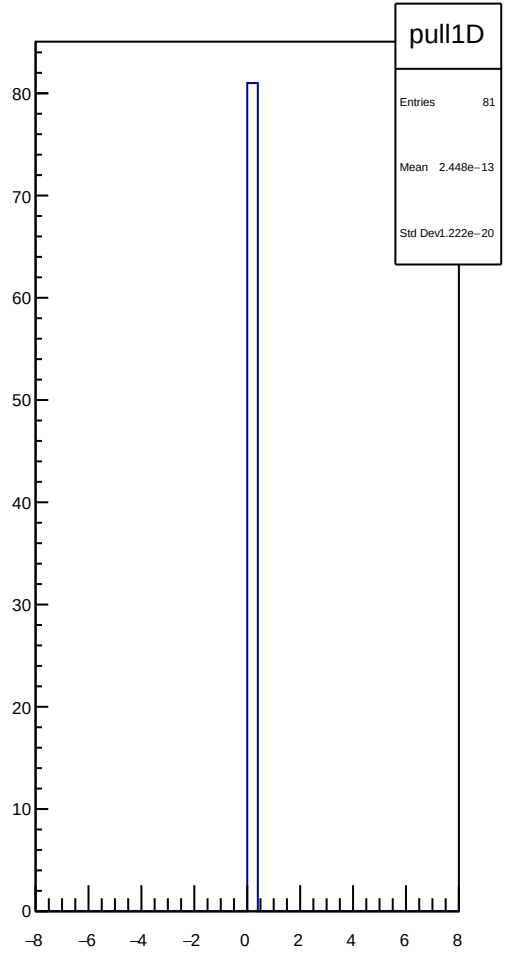

pull1D
Entries 81
Mean −3.372e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

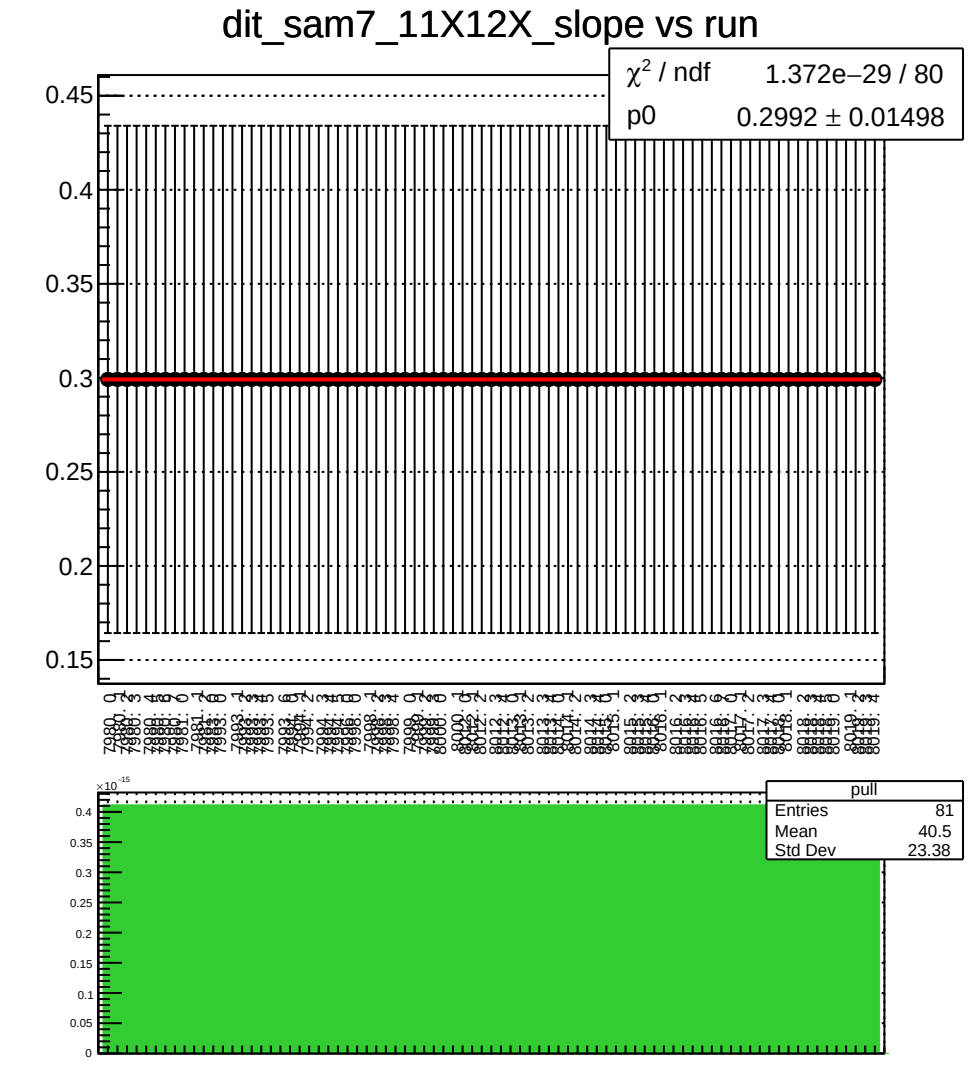

dit_sam6_4aY_slope vs run
χ² / ndf 3.255e−26 / 80
p0 16.26 ± 0.256
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −2.005e−14
Std Dev1.059e−21

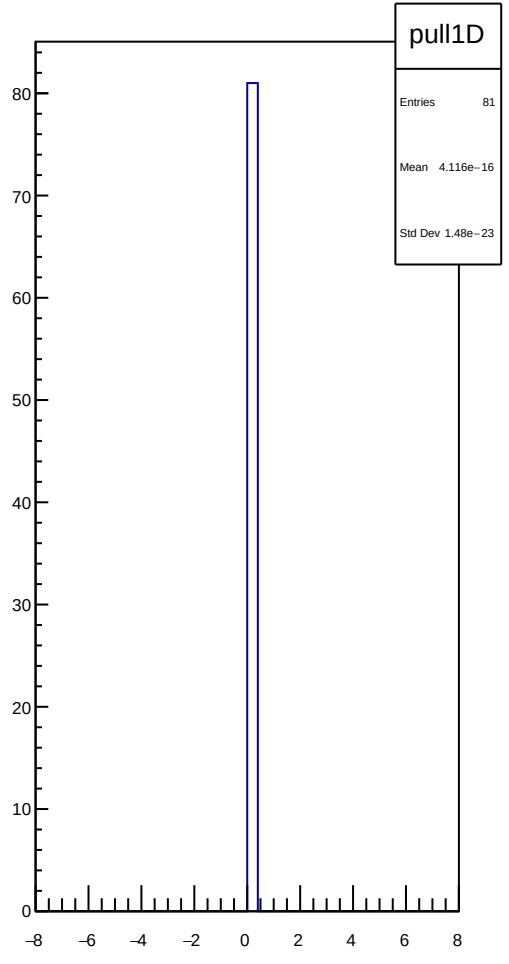

dit_sam6_4eY_slope vs run
χ^2 / ndf 8.386e−25 / 80
p0 113.1 ± 0.388
117
116
115
114
113
112
111
110
109
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 81
Mean −1.017e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

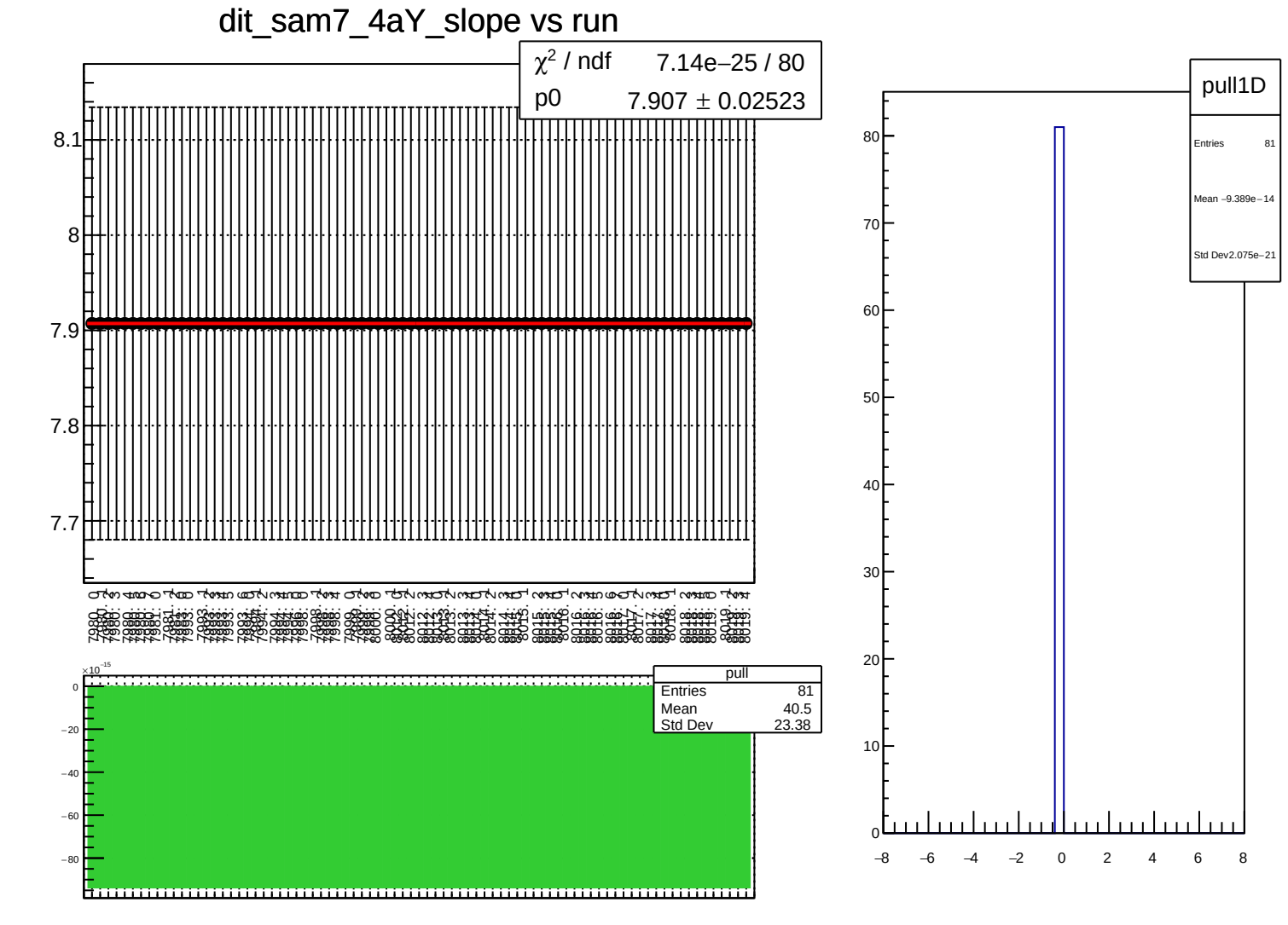

dit_sam7_4aX_slope vs run
χ² / ndf 1.226e−26 / 80
p0 85.99 ± 0.1284
87
86.5
86
85.5
85
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 81
Mean 1.23e−14
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

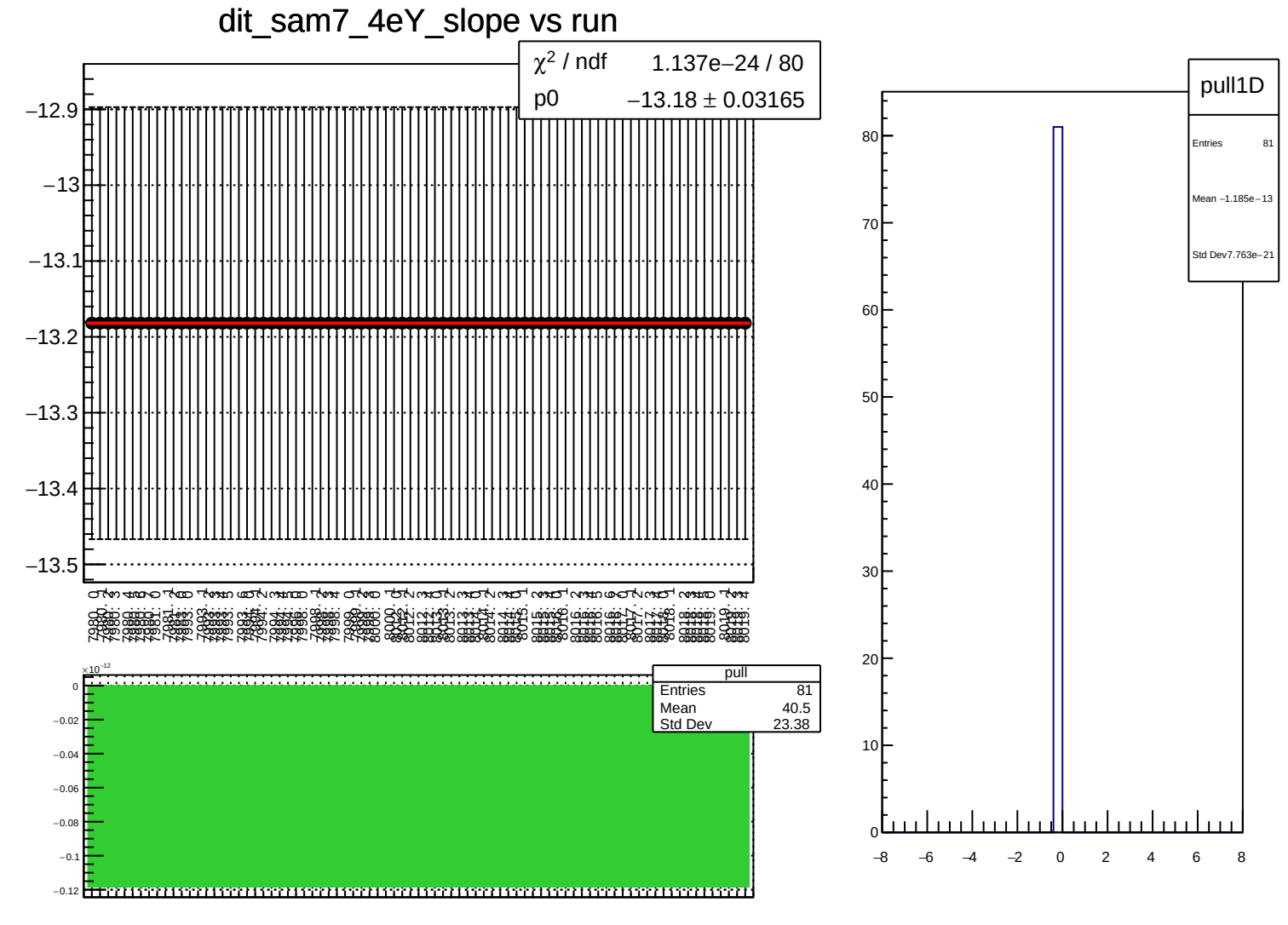

dit_sam7_4eX_slope vs run
χ² / ndf 4.855e−24 / 80
p0 −128.7 ± 0.1548
−127.5
−128
−128.5
−129
−129.5
−130
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

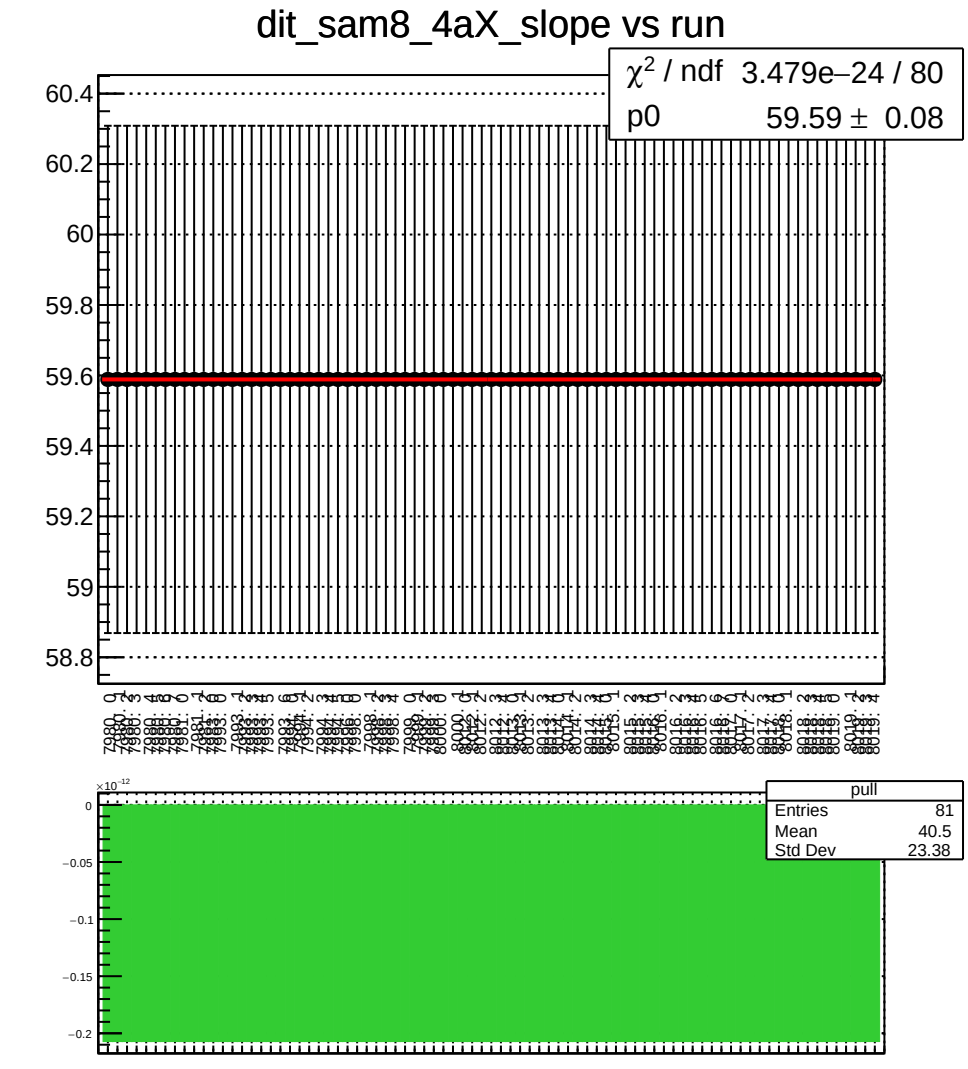

pull1D
Entries 81
Mean 2.448e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

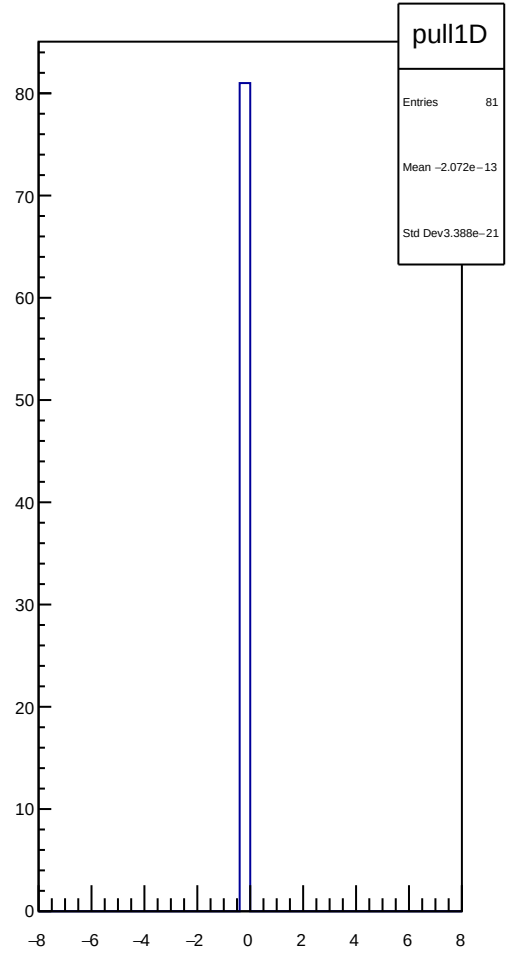

dit_sam7_11X12X_slope vs run
χ² / ndf 1.372e−29 / 80
p0 0.2992 ± 0.01498
pull
Entries 81
Mean 40.5
Std Dev 23.38

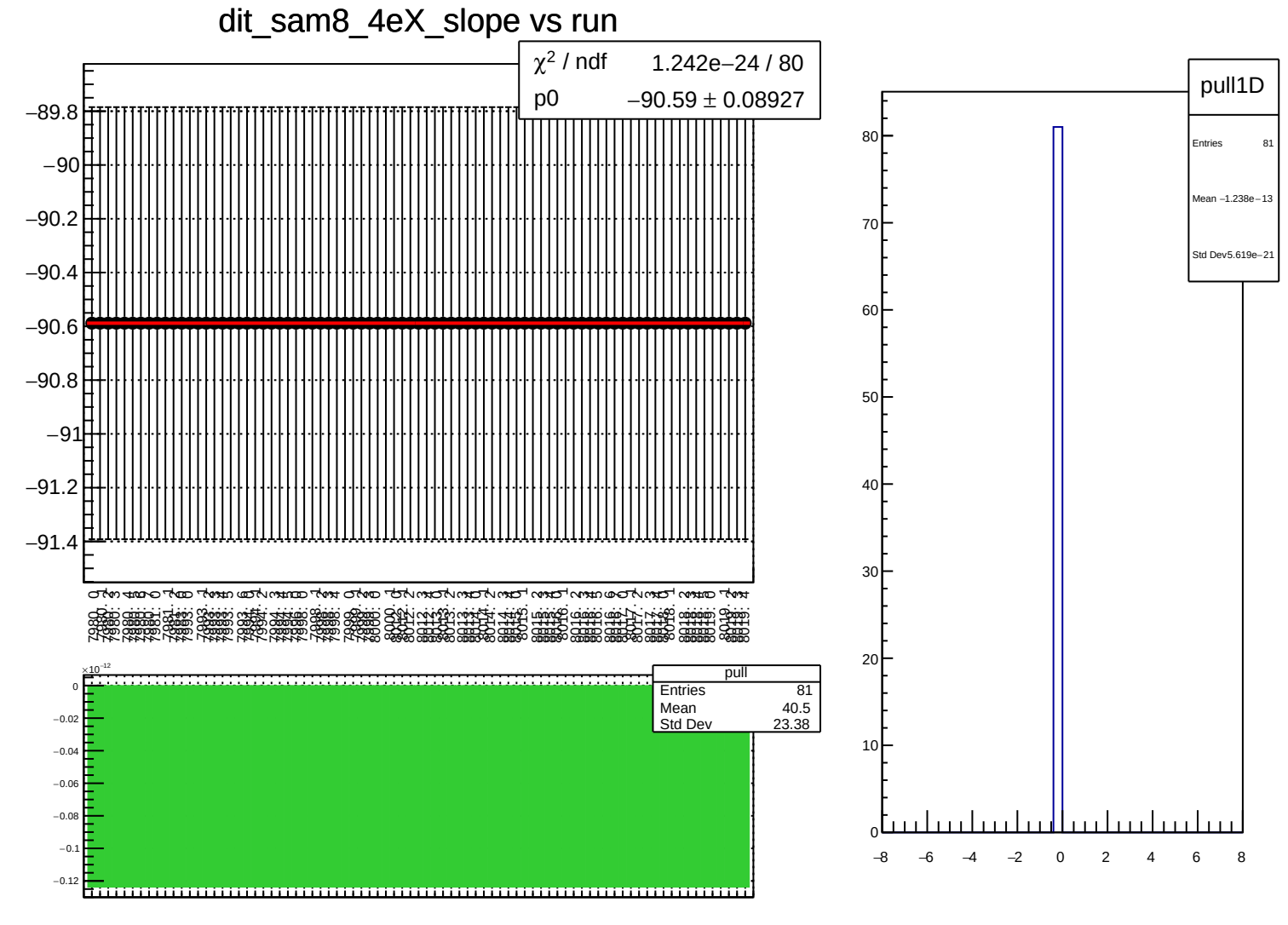

pull1D
Entries 81
Mean 4.116e−16
Std Dev 1.48e−23

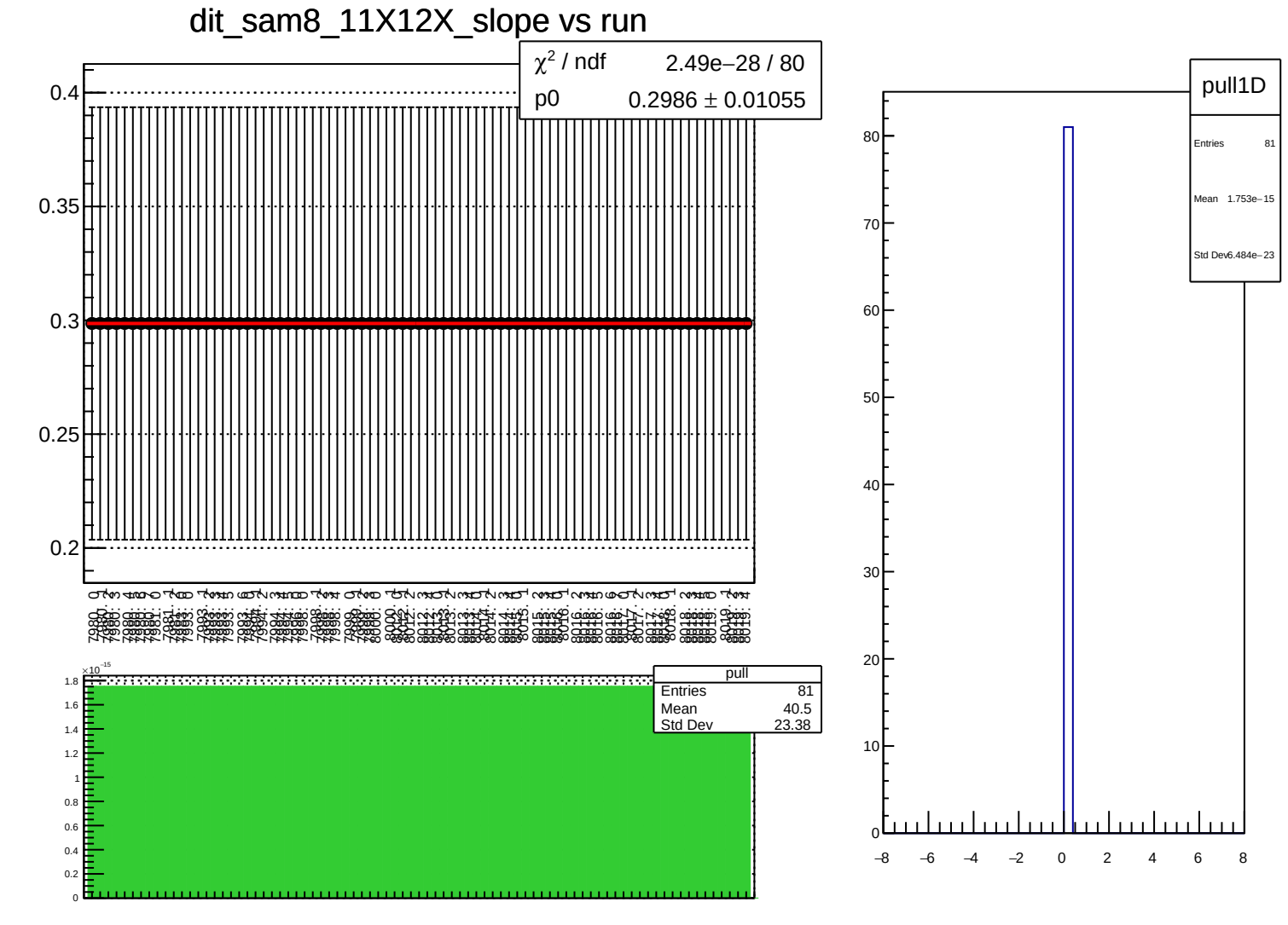

dit_sam7_4aY_slope vs run
χ² / ndf 7.14e−25 / 80
p0 7.907 ± 0.02523
8.1
8
7.9
7.8
7.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 81
Mean −9.389e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

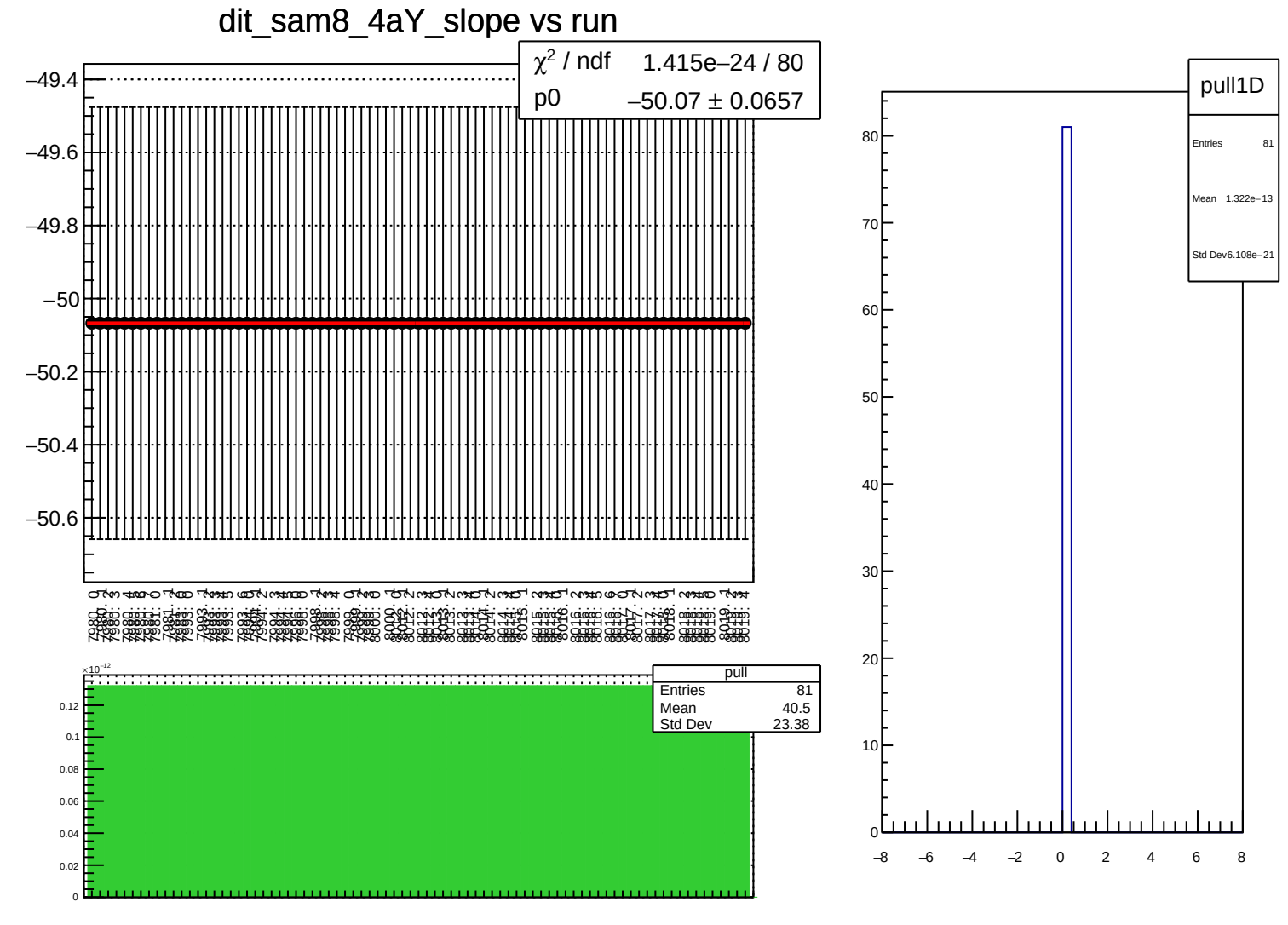

dit_sam7_4eY_slope vs run
χ² / ndf 1.137e−24 / 80
p0 −13.18 ± 0.03165
−12.9
−13
−13.1
−13.2
−13.3
−13.4
−13.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 81
Mean −1.185e−13
Std Dev7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

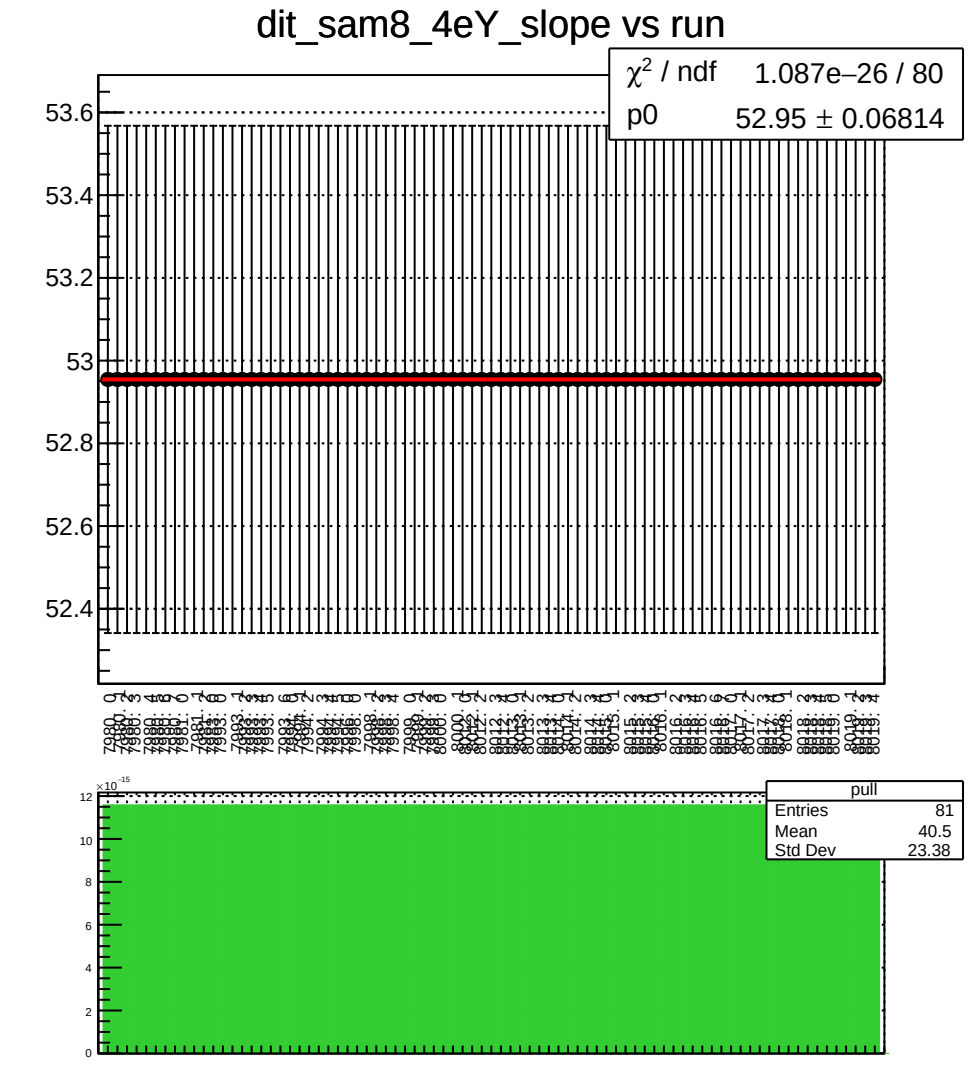

dit_sam8_4aX_slope vs run
χ² / ndf 3.479e−24 / 80
p0 59.59 ± 0.08
60.4
60.2
60
59.8
59.6
59.4
59.2
59
58.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

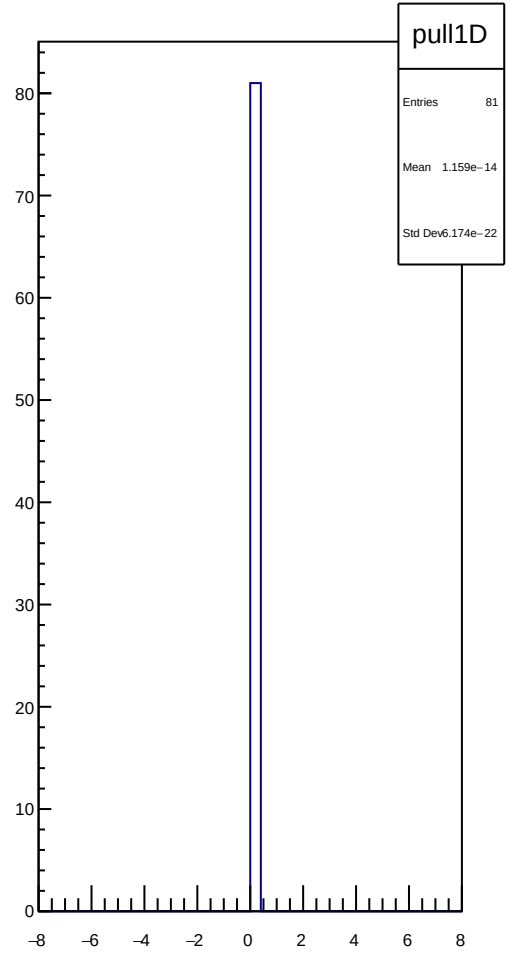

pull1D
Entries 81
Mean −2.072e−13
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

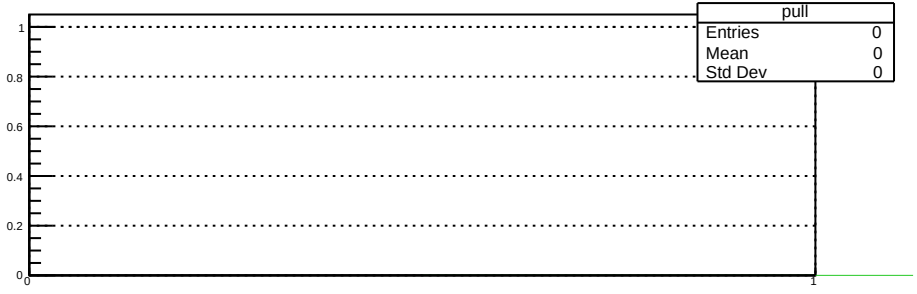

dit_sam8_4eX_slope vs run
χ² / ndf 1.242e−24 / 80
p0 −90.59 ± 0.08927
−89.8
−90
−90.2
−90.4
−90.6
−90.8
−91
−91.2
−91.4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.238e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

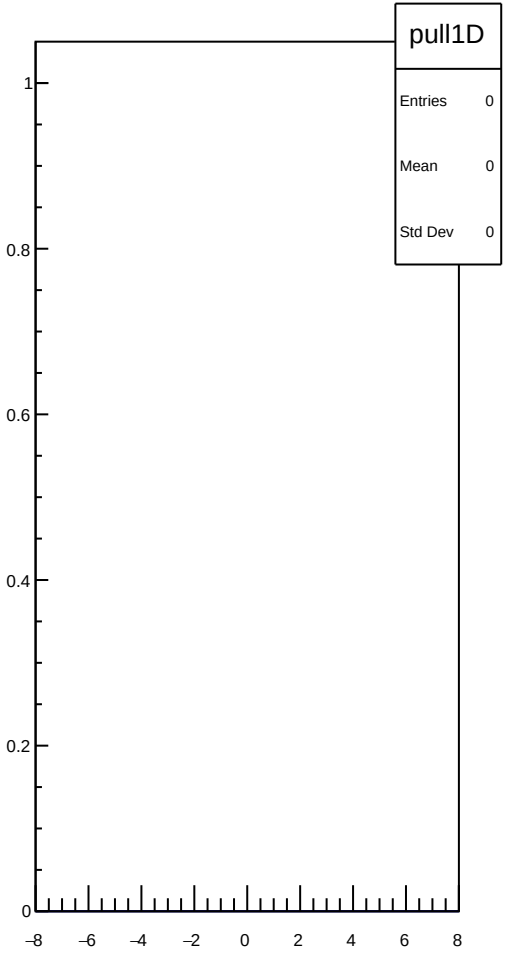

dit_sam8_11X12X_slope vs run
χ² / ndf 2.49e−28 / 80
p0 0.2986 ± 0.01055
0.4
0.35
0.3
0.25
0.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 1.753e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

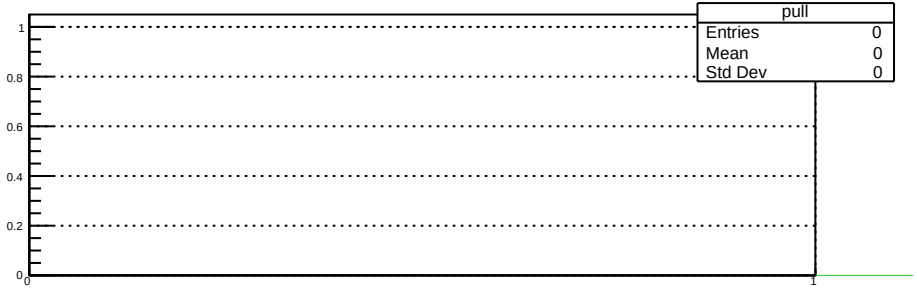

dit_sam8_4aY_slope vs run
χ² / ndf 1.415e−24 / 80
p0 −50.07 ± 0.0657
−49.4
−49.6
−49.8
−50
−50.2
−50.4
−50.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.322e−13
Std Dev6.108e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

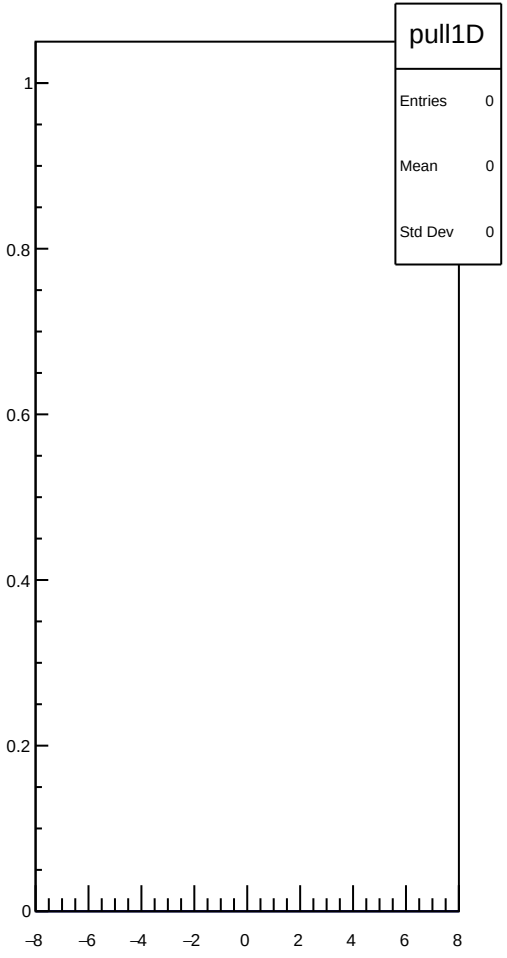

dit_sam8_4eY_slope vs run
χ^2 / ndf 1.087e−26 / 80
p0 52.95 ± 0.06814
53.6
53.4
53.2
53
52.8
52.6
52.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
12
10
8
6
4
2
0

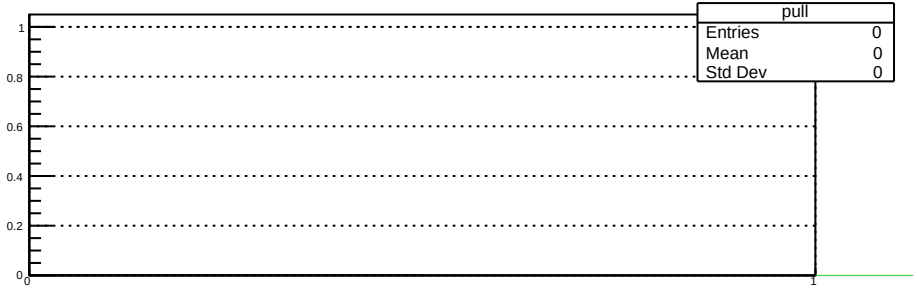

pull1D
Entries 81
Mean 1.159e−14
Std Dev 6.174e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

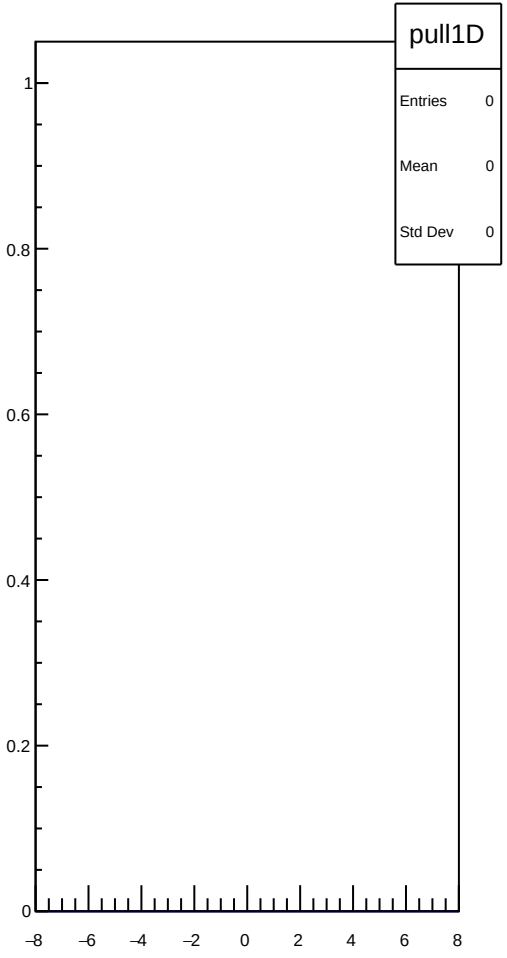

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

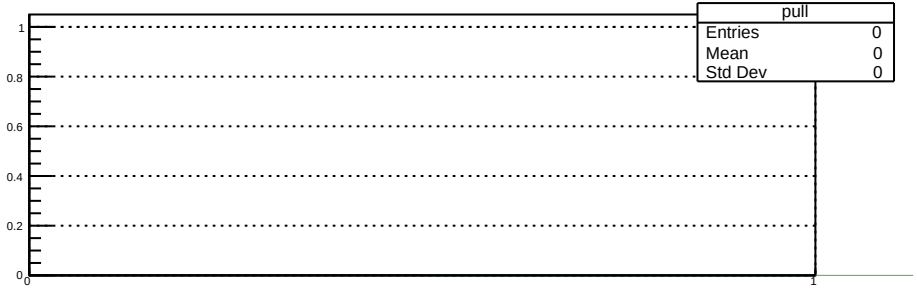

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

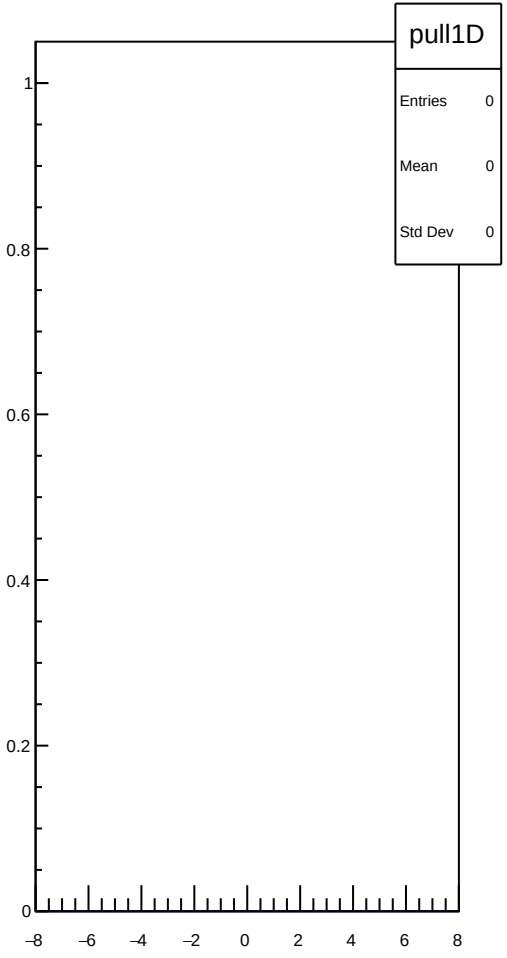

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

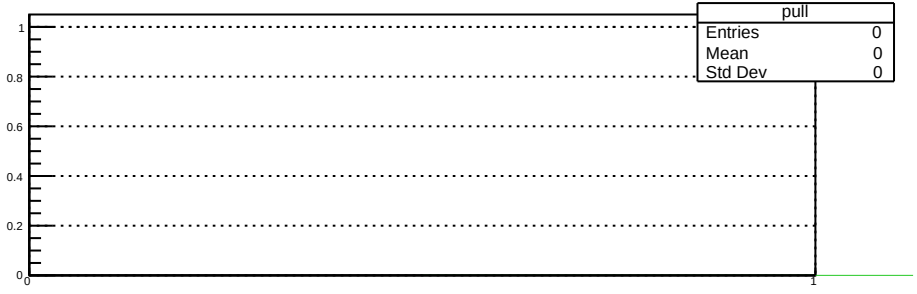

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

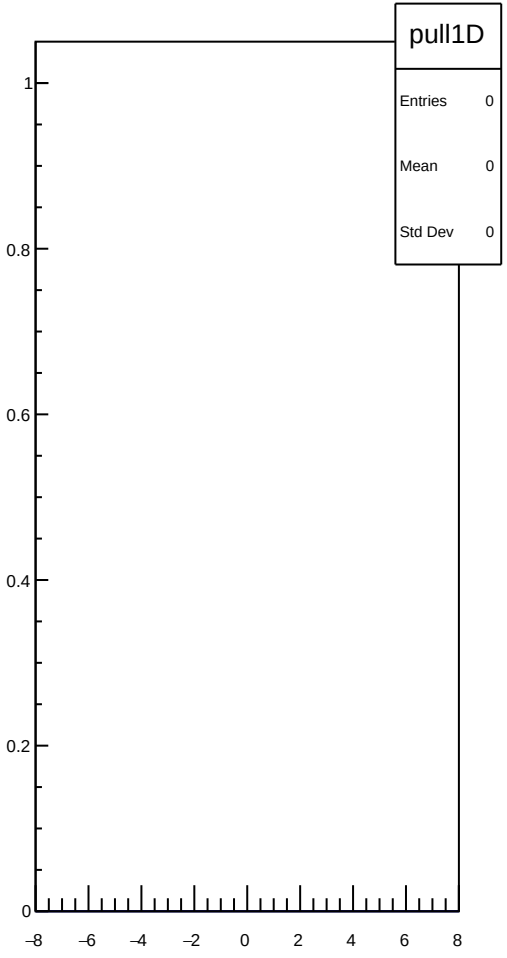

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

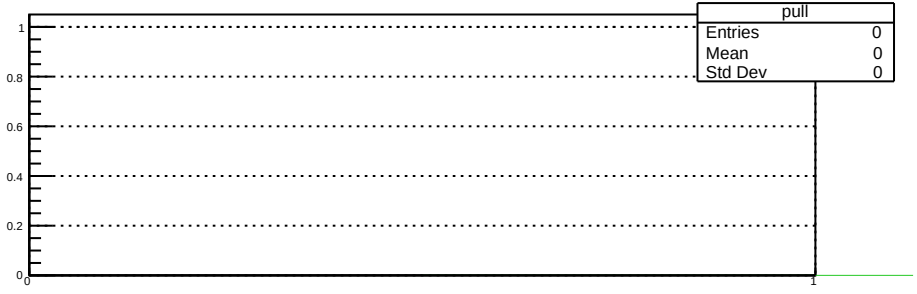

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

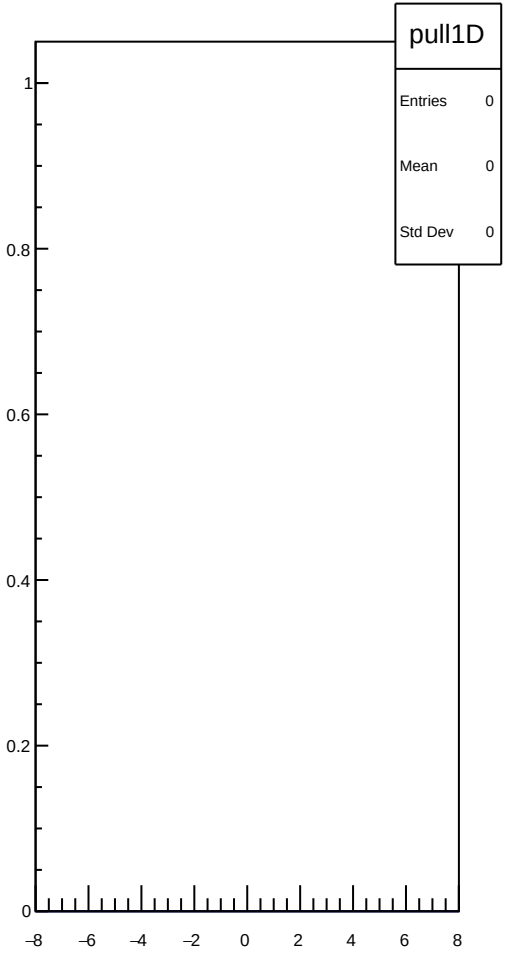

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

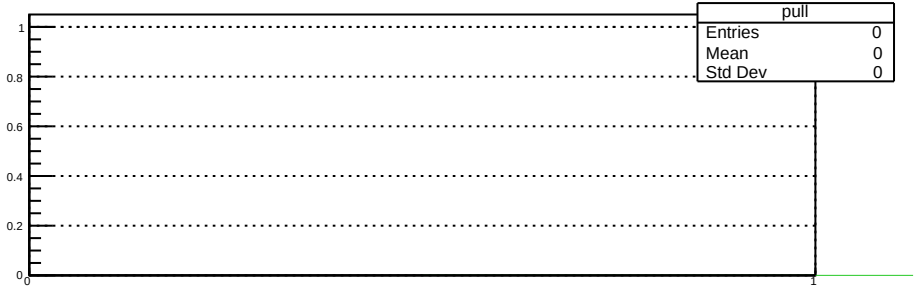

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

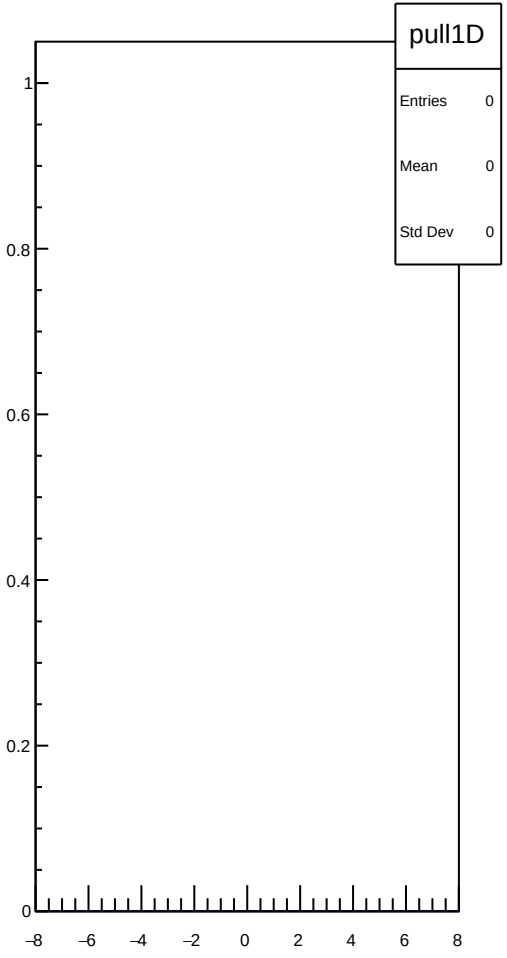

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

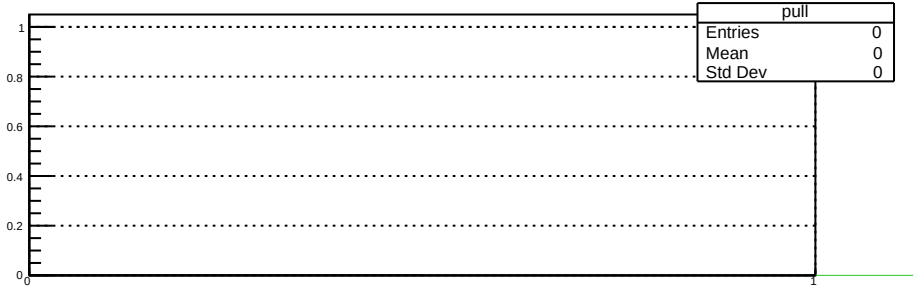

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

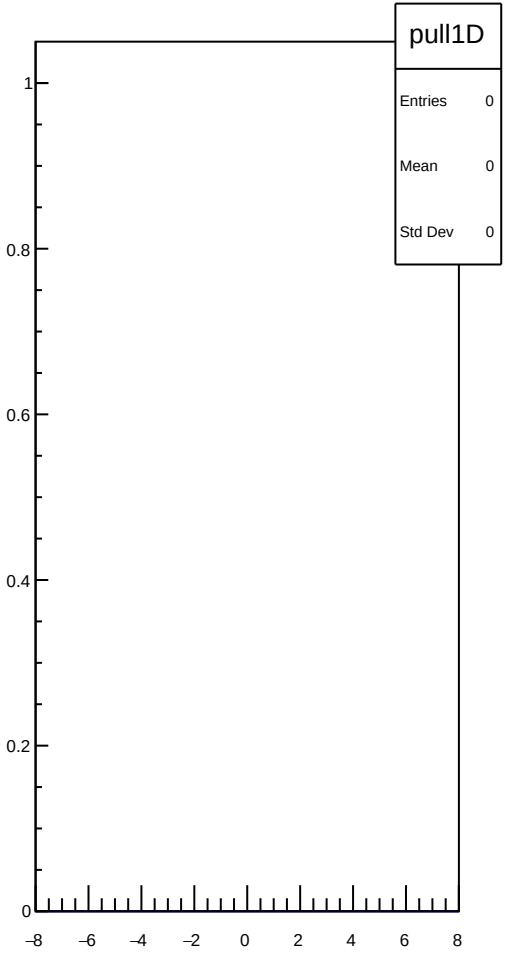

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

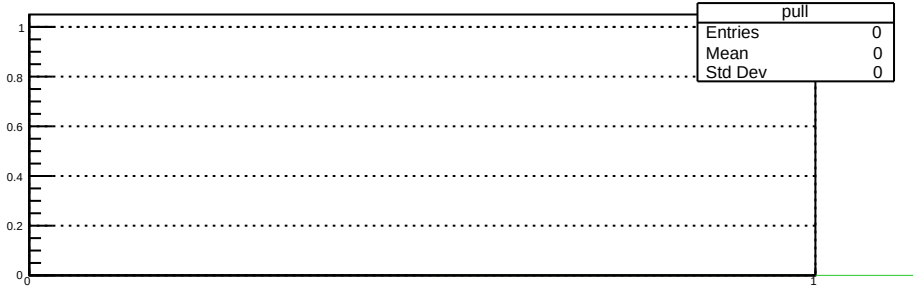

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

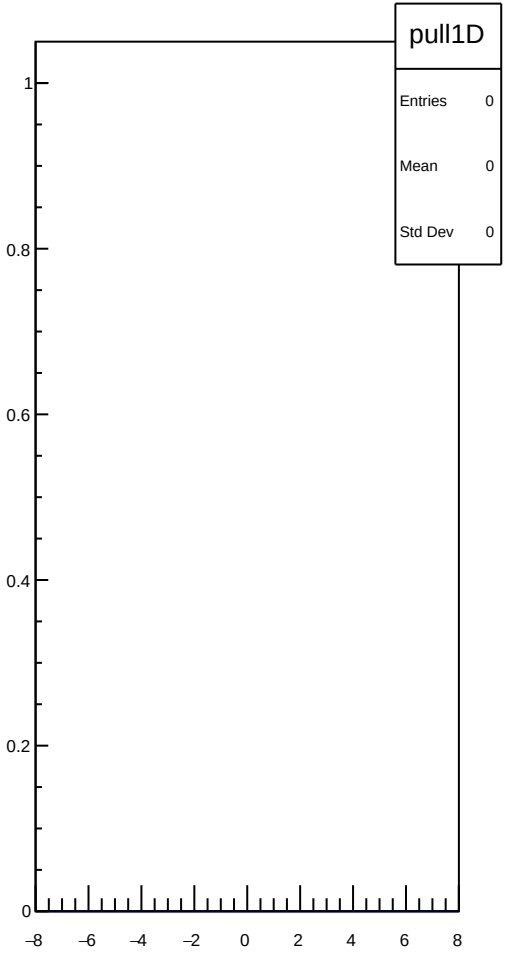

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

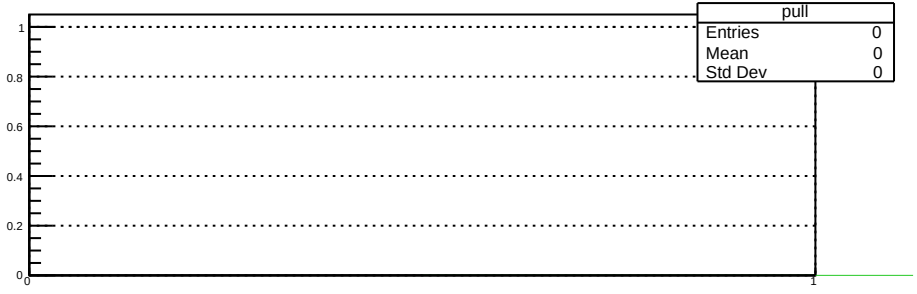

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

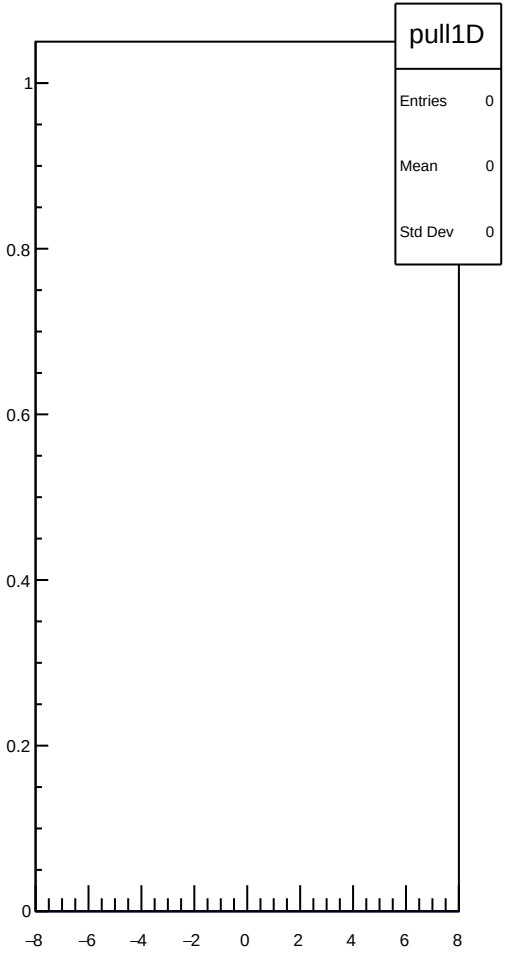

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

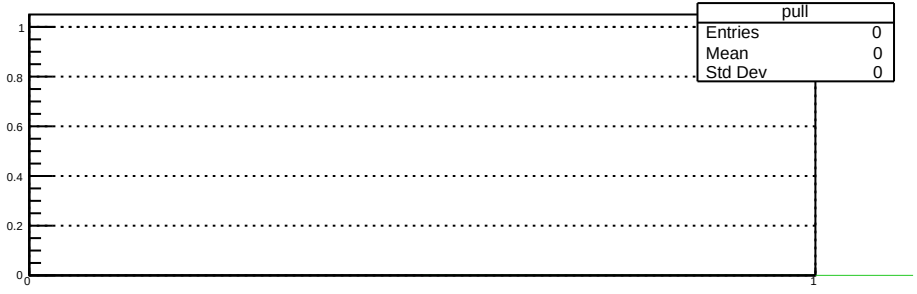

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

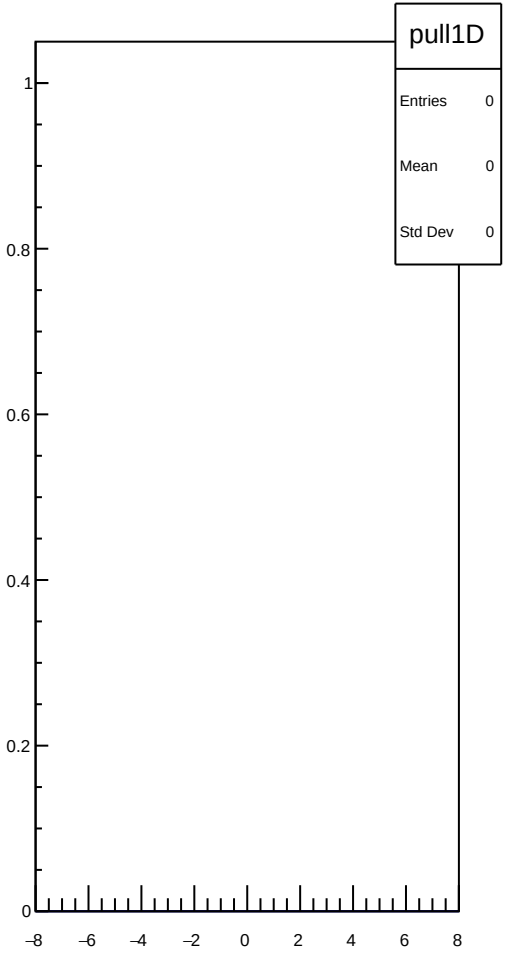

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

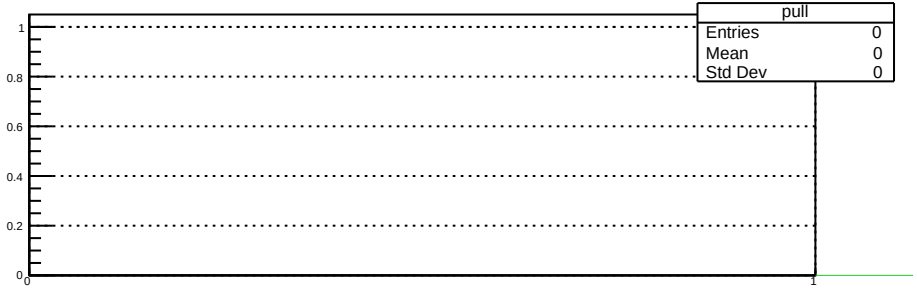

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

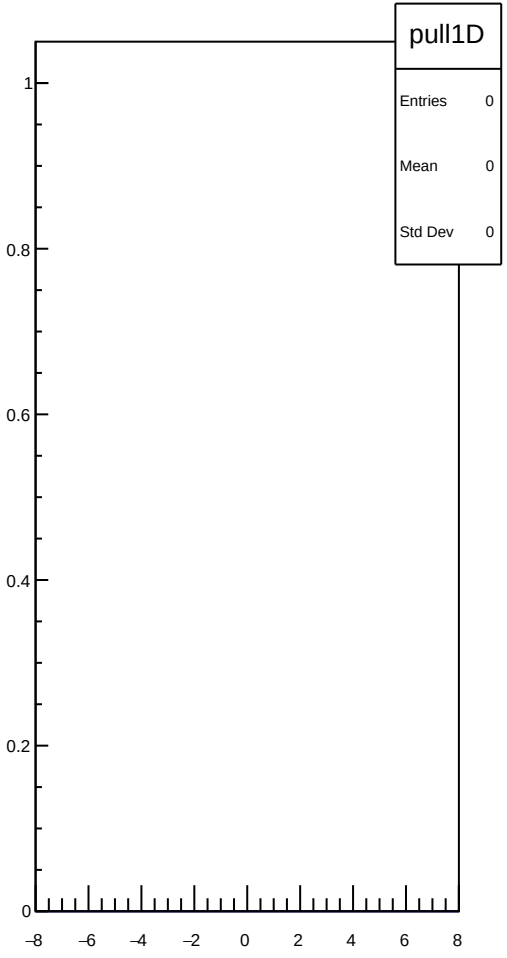

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

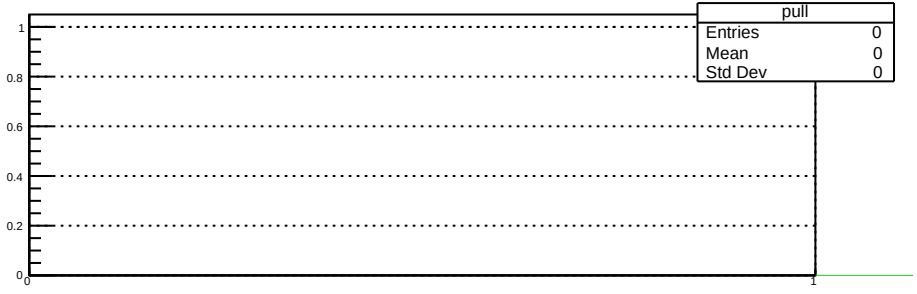

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

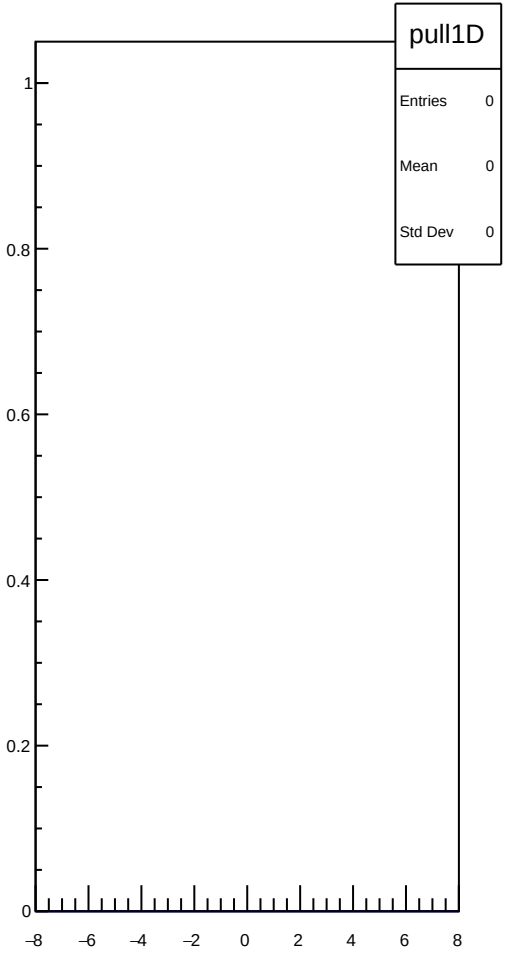

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

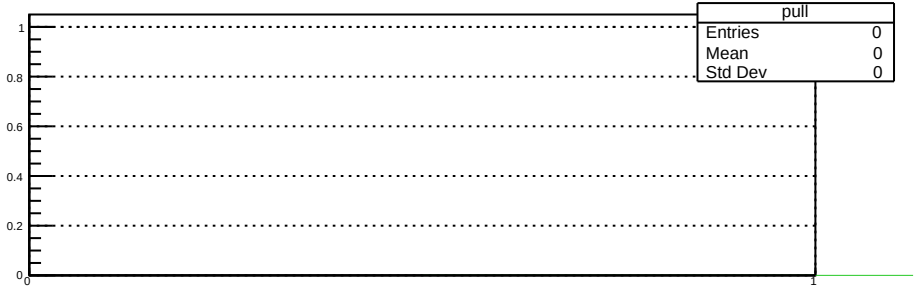

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

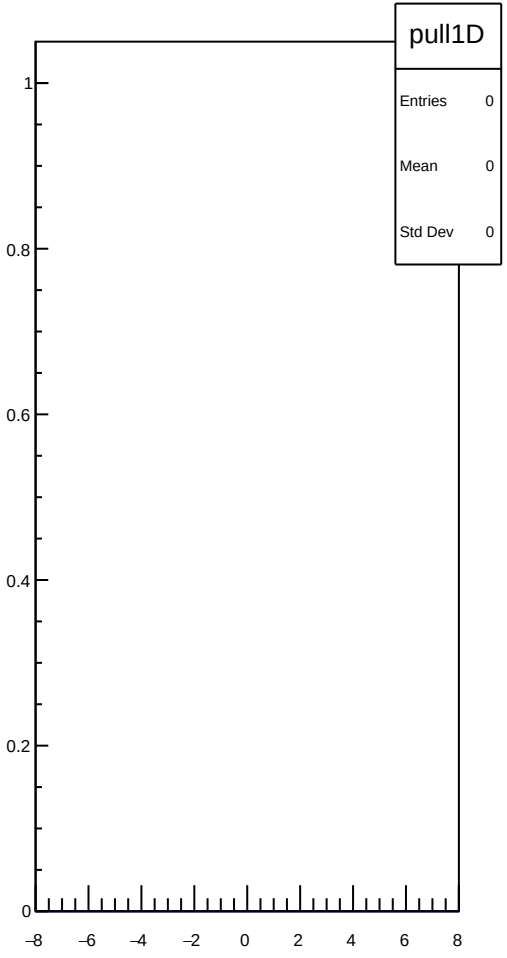

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

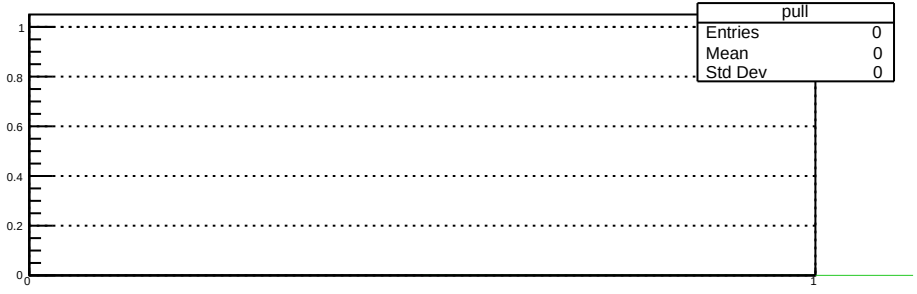

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

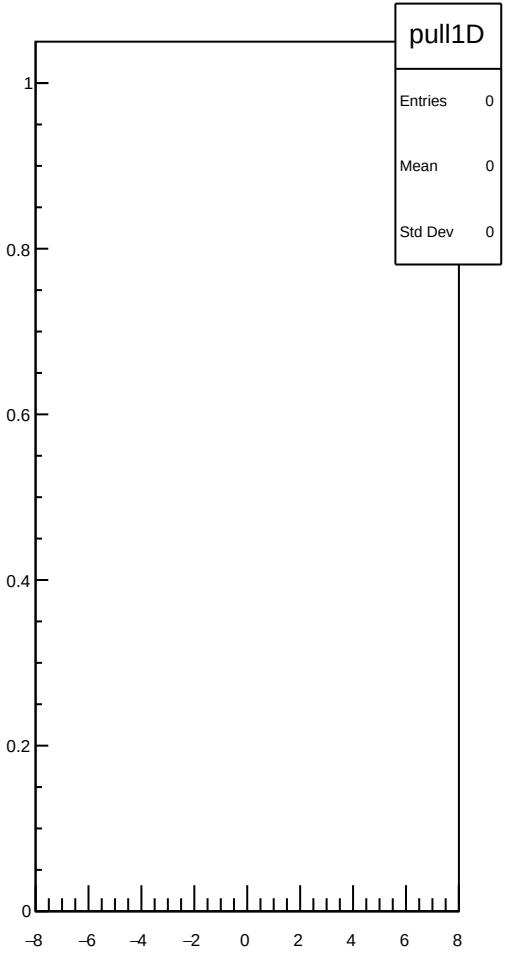

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

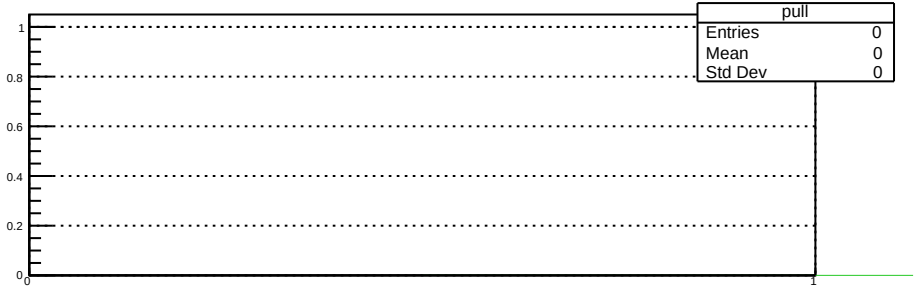

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

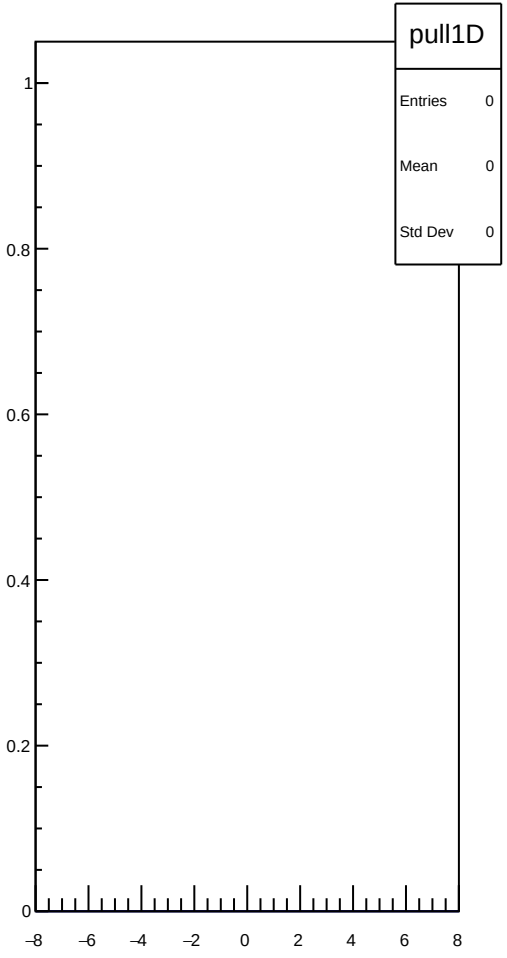

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

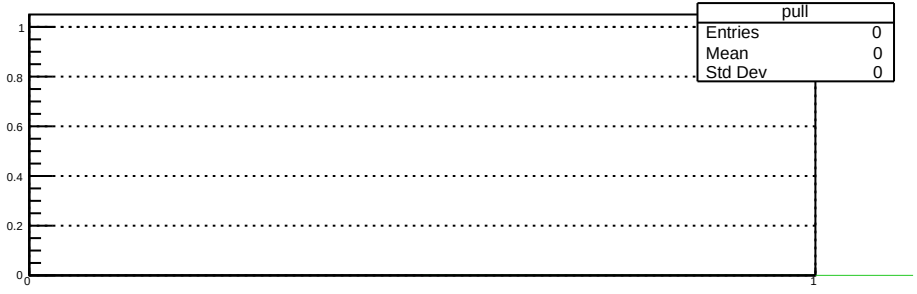

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

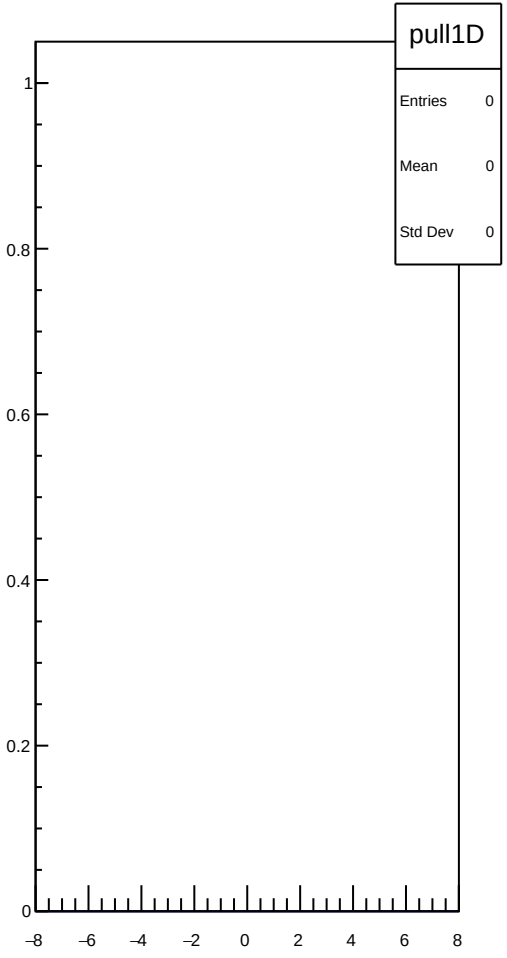

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

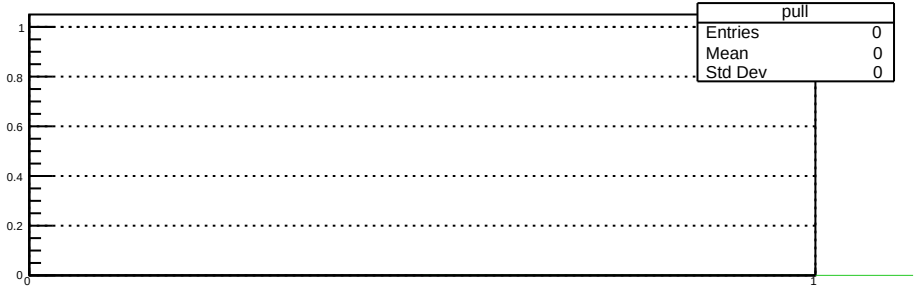

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

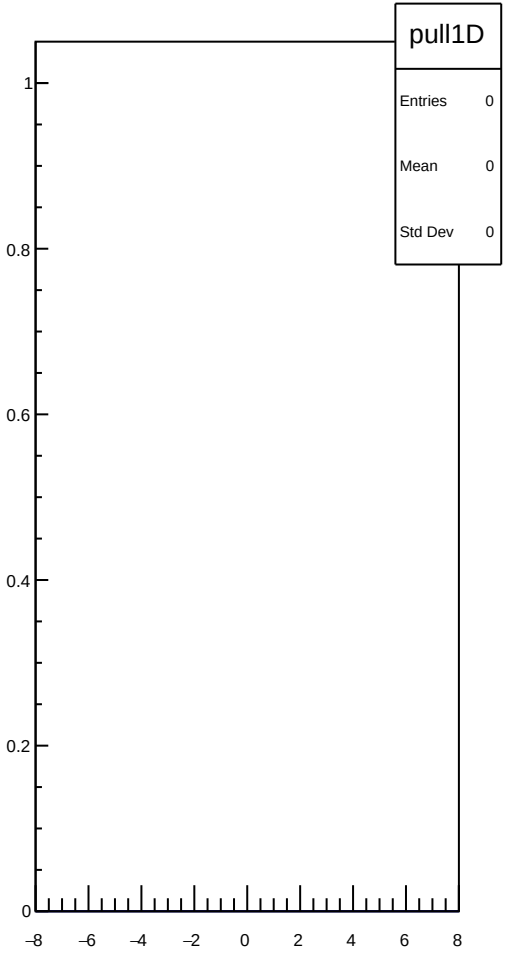

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

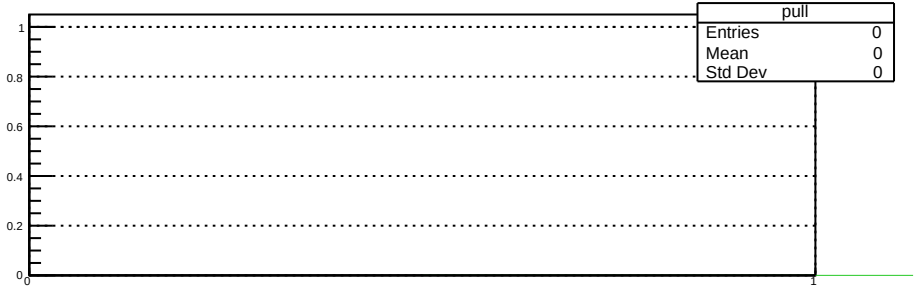

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

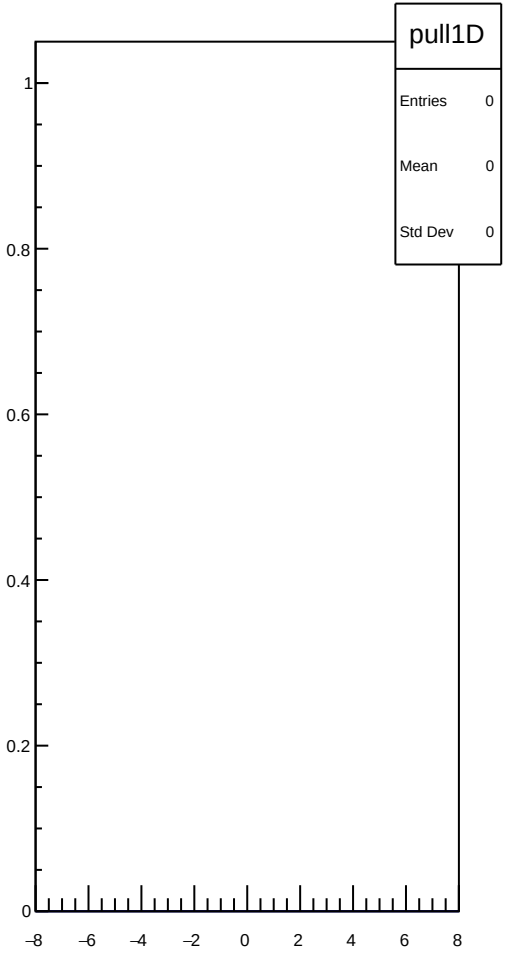

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

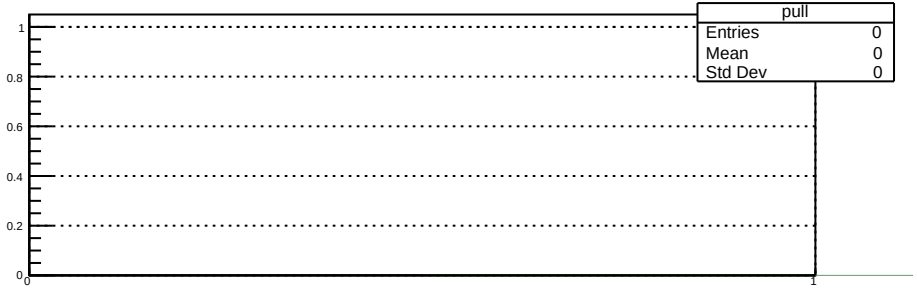

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

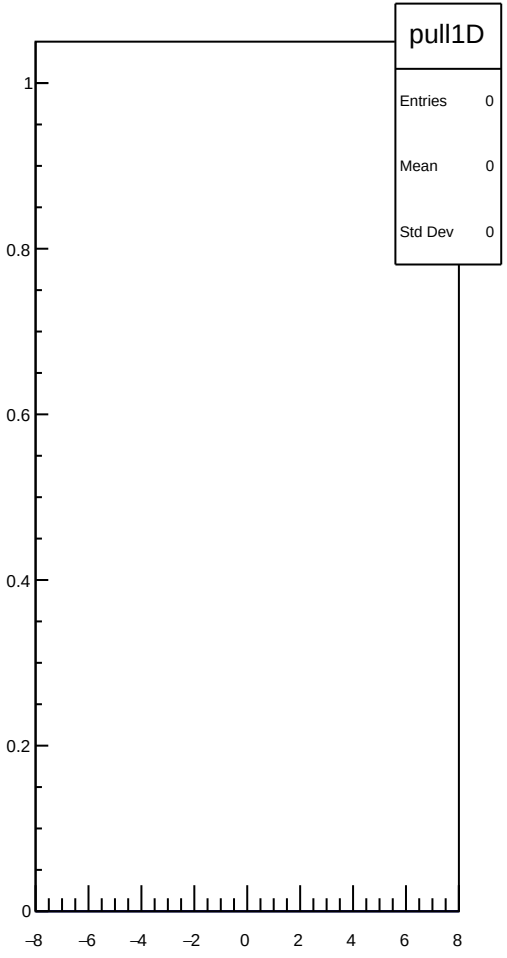

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

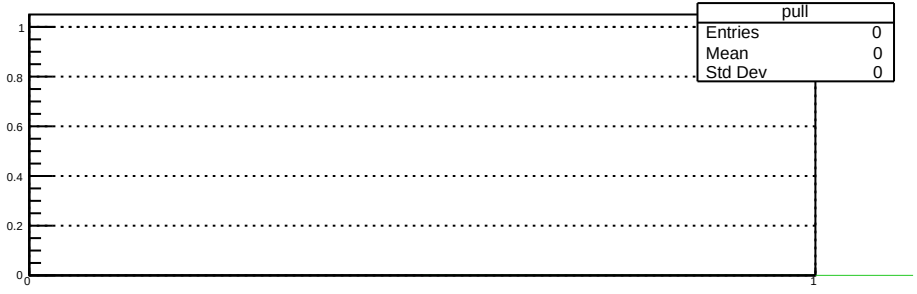

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

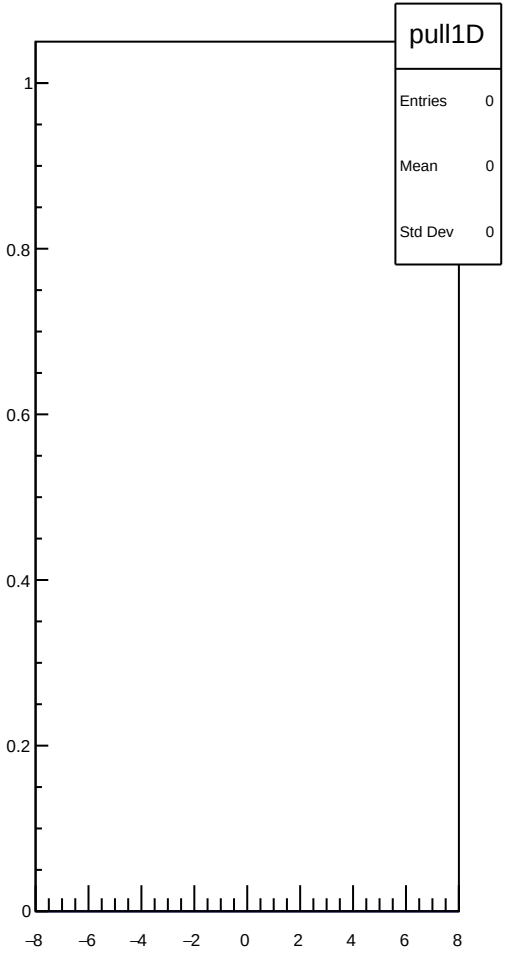

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

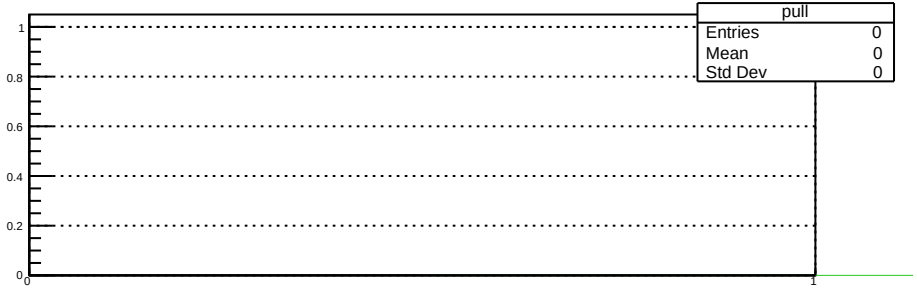

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

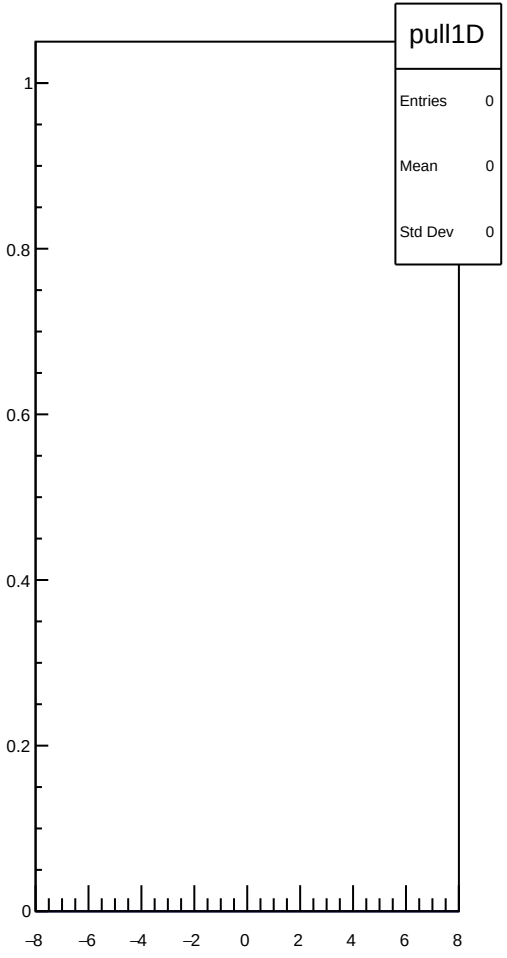

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

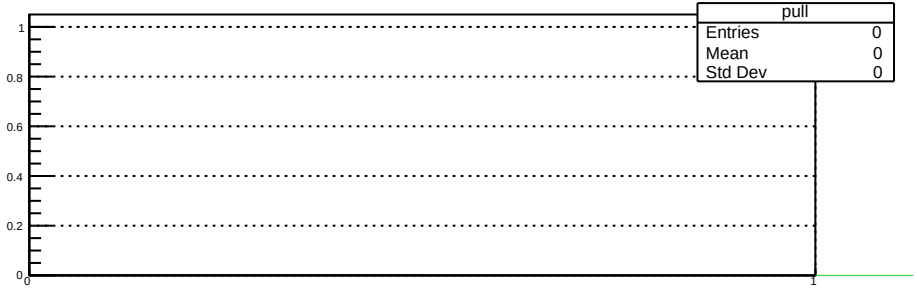

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

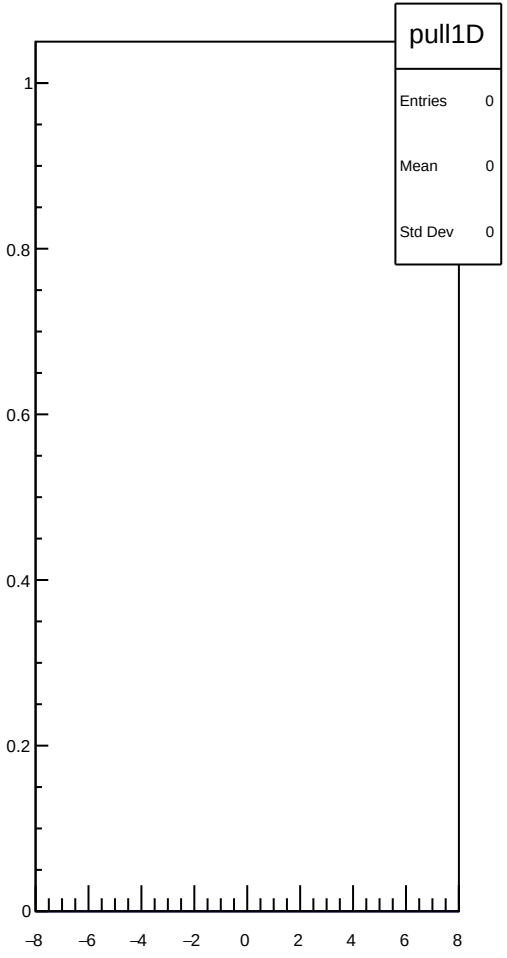

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

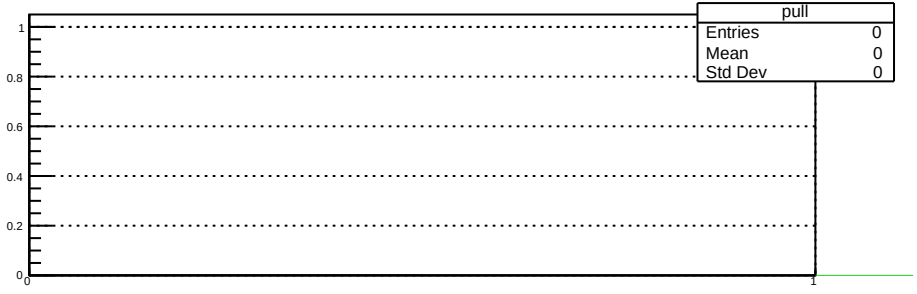

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

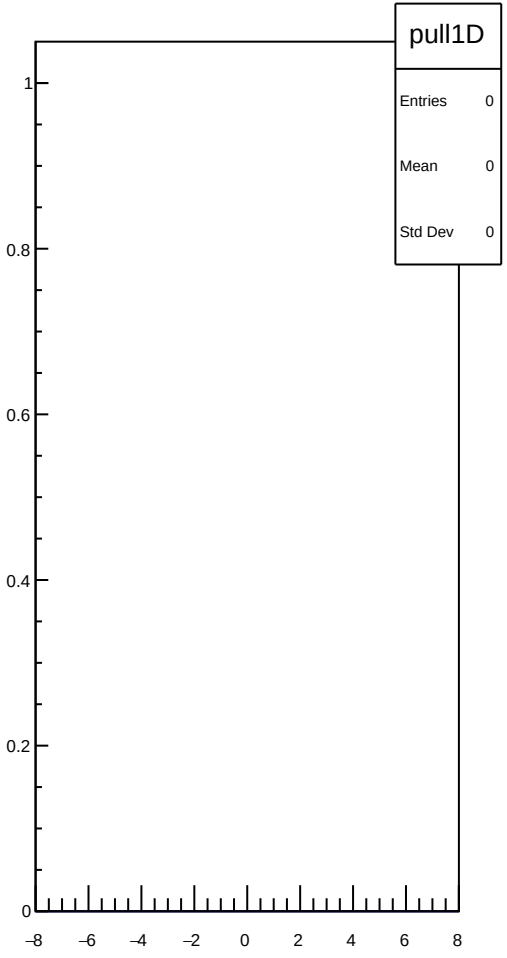

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

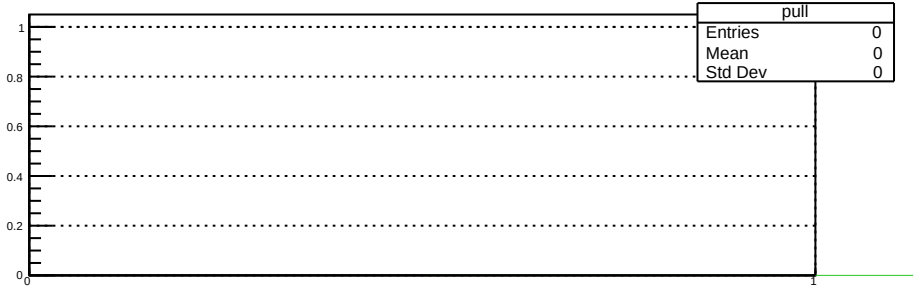

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

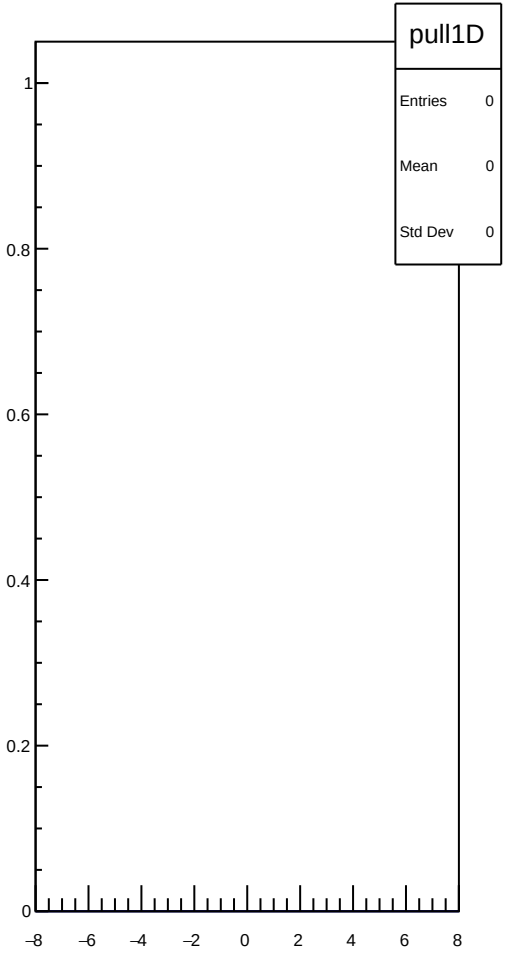

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

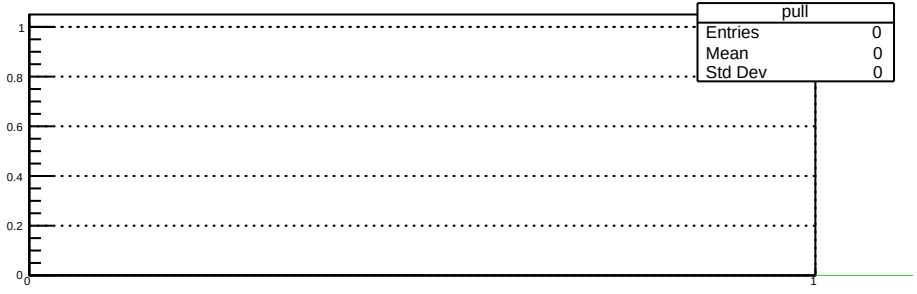

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

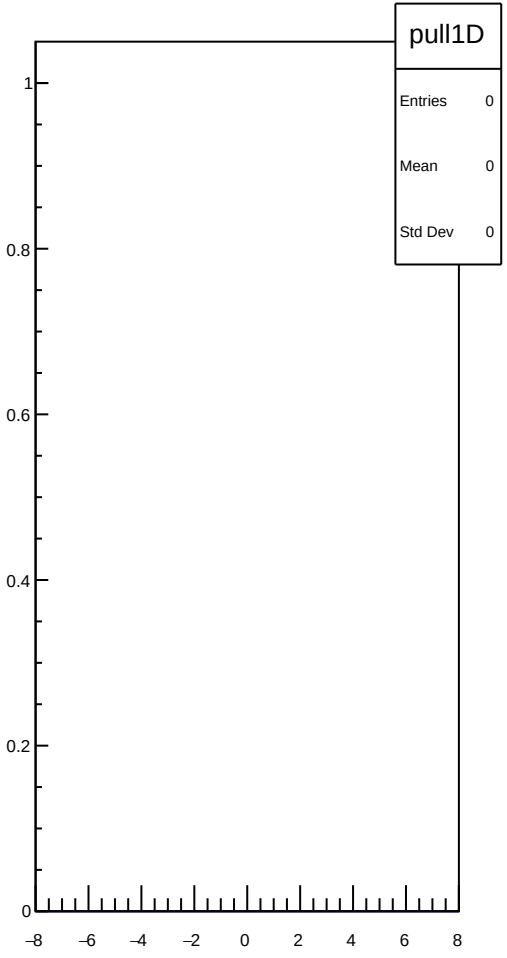

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

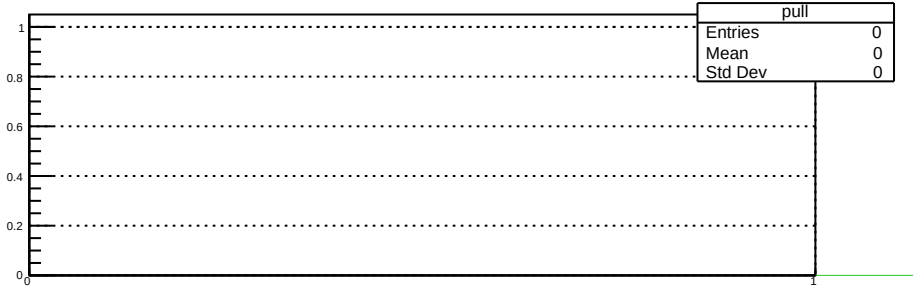

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

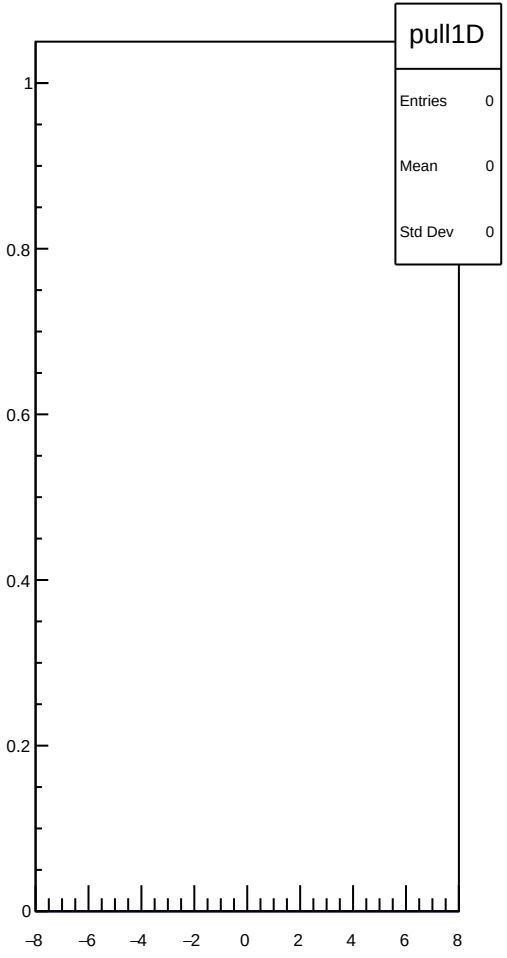

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

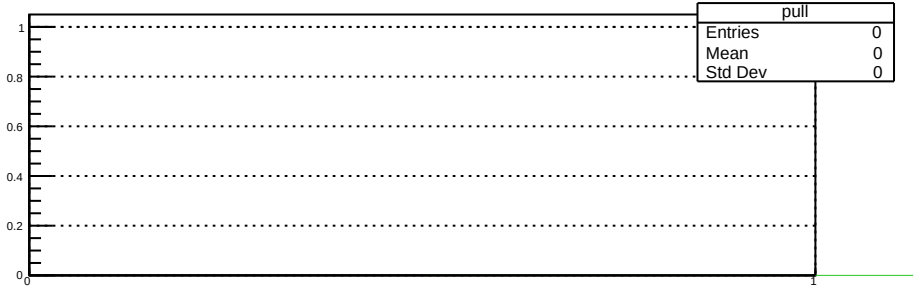

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

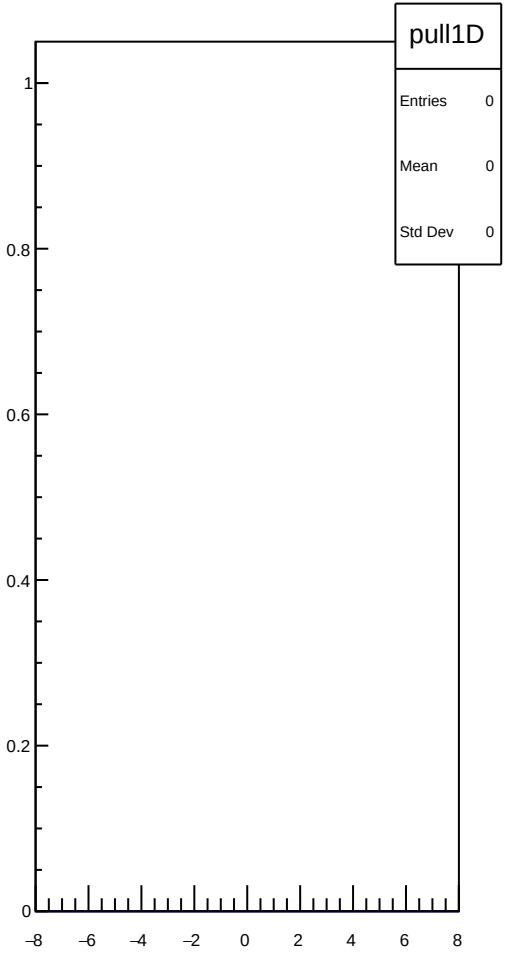

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

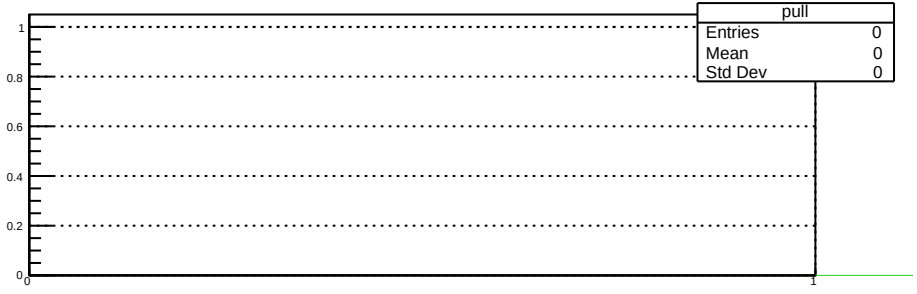

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

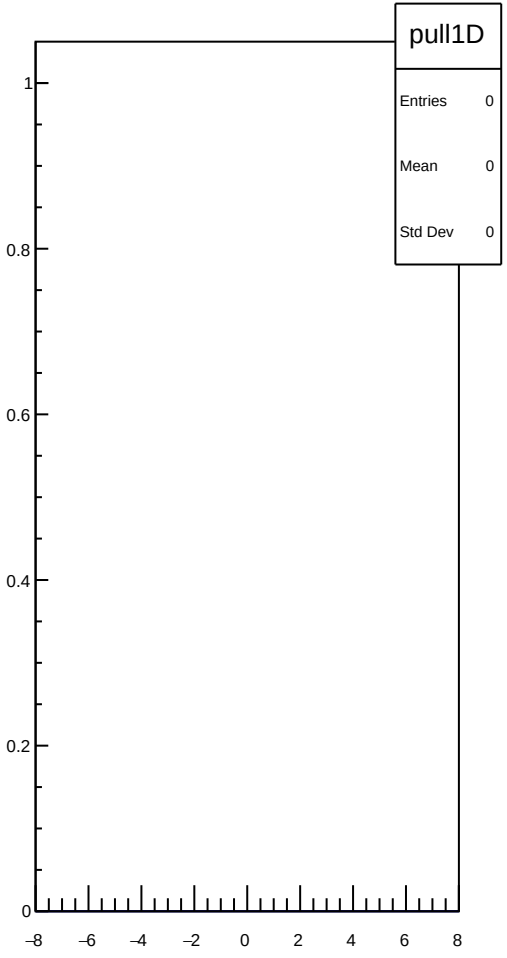

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

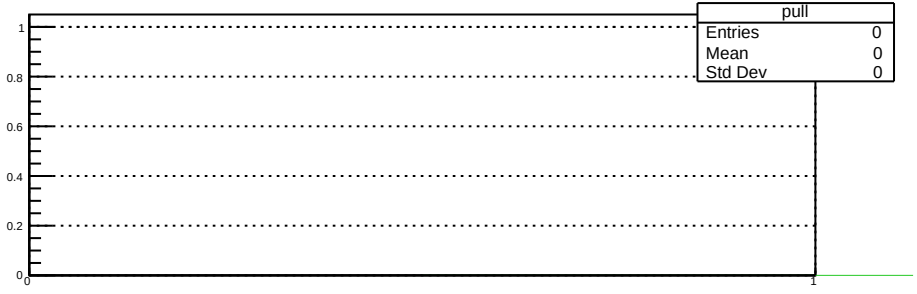

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

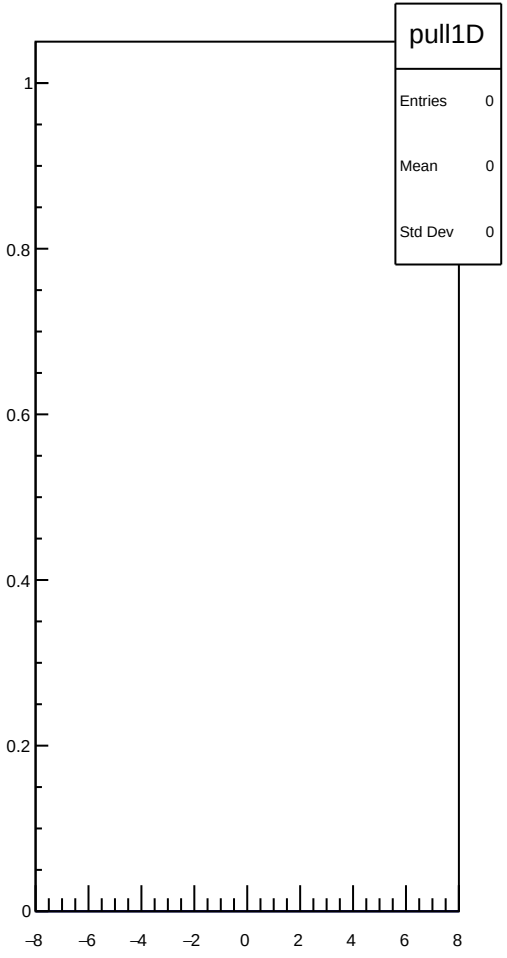

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

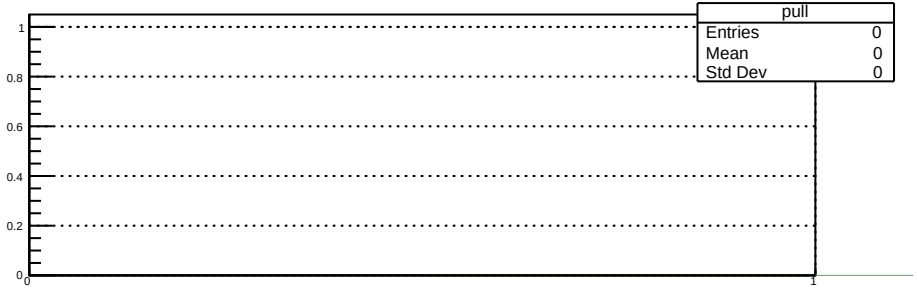

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

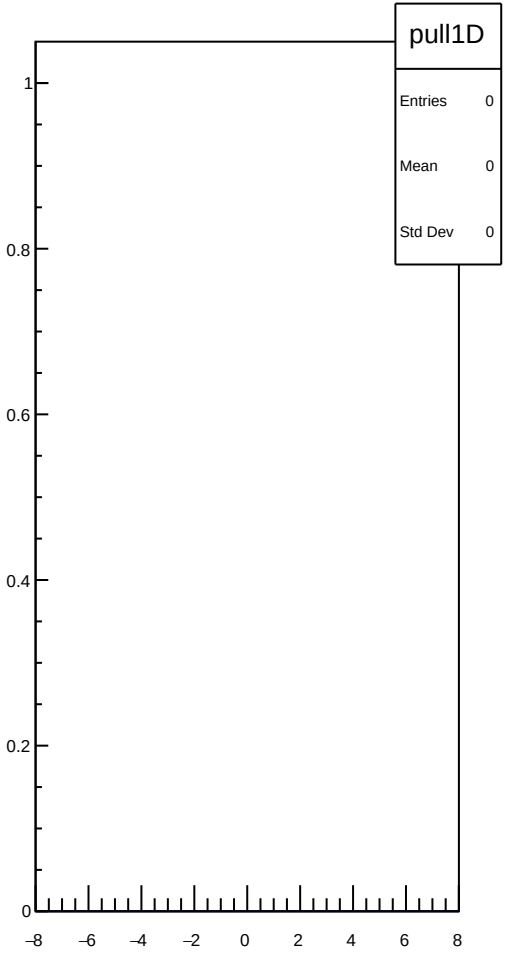

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

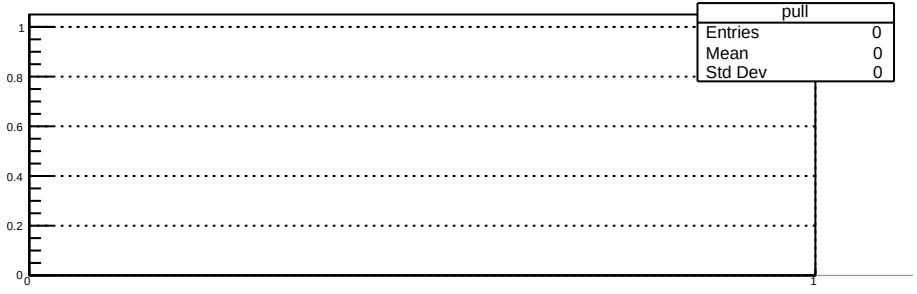

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

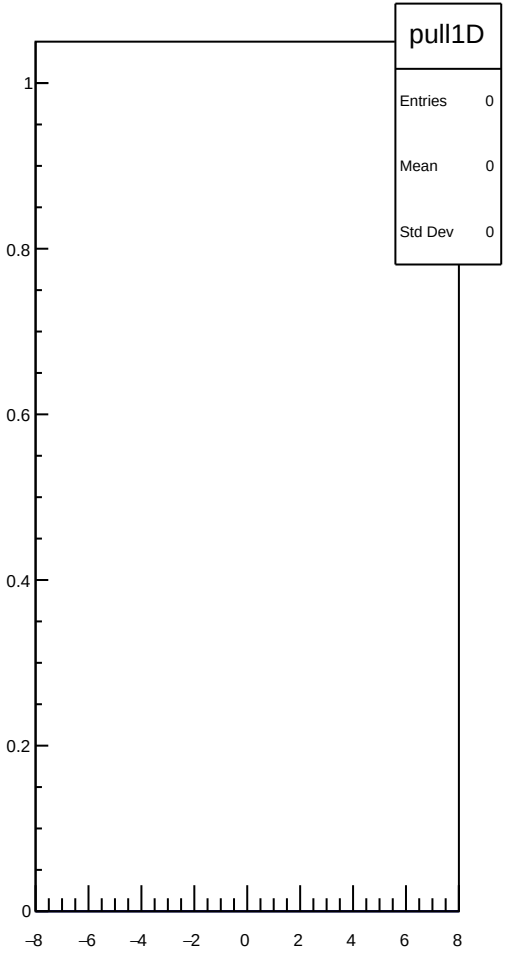

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

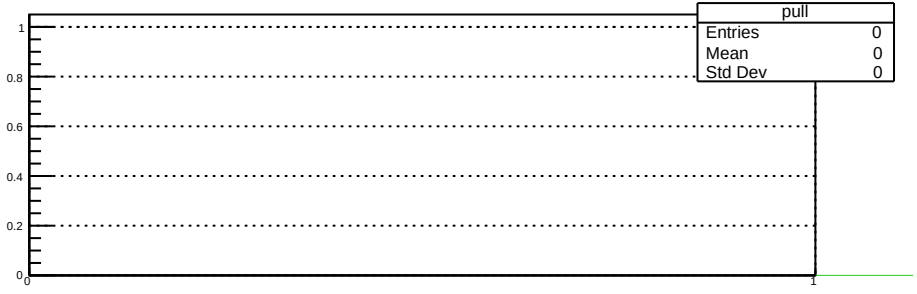

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

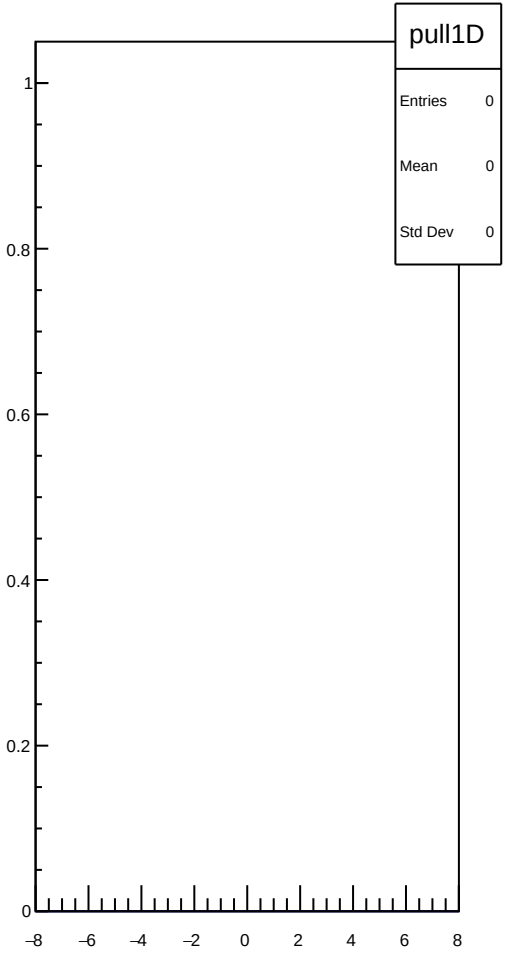

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

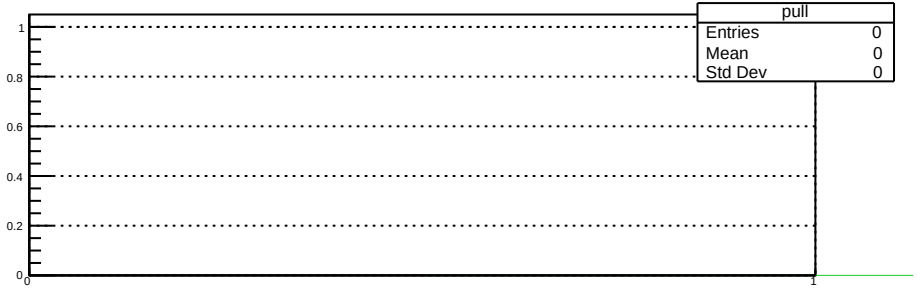

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

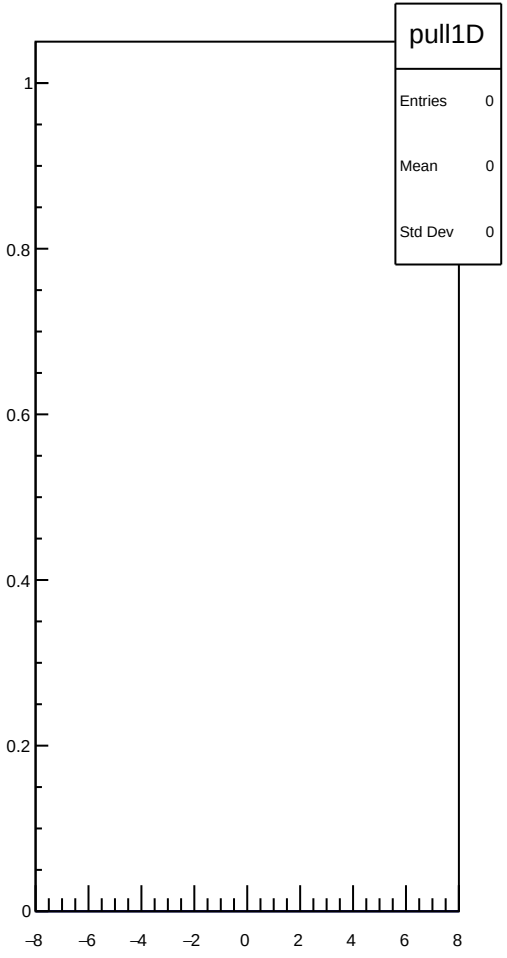

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

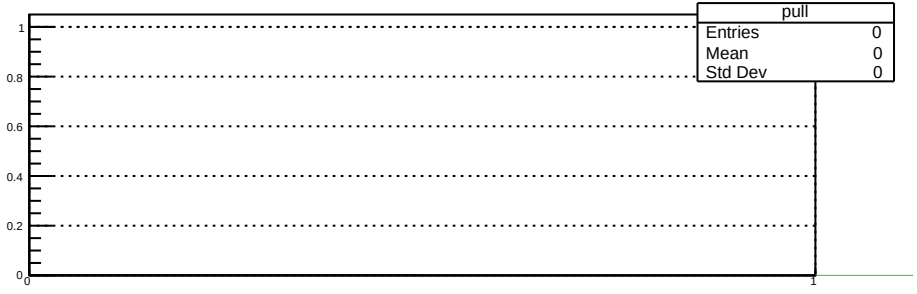

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

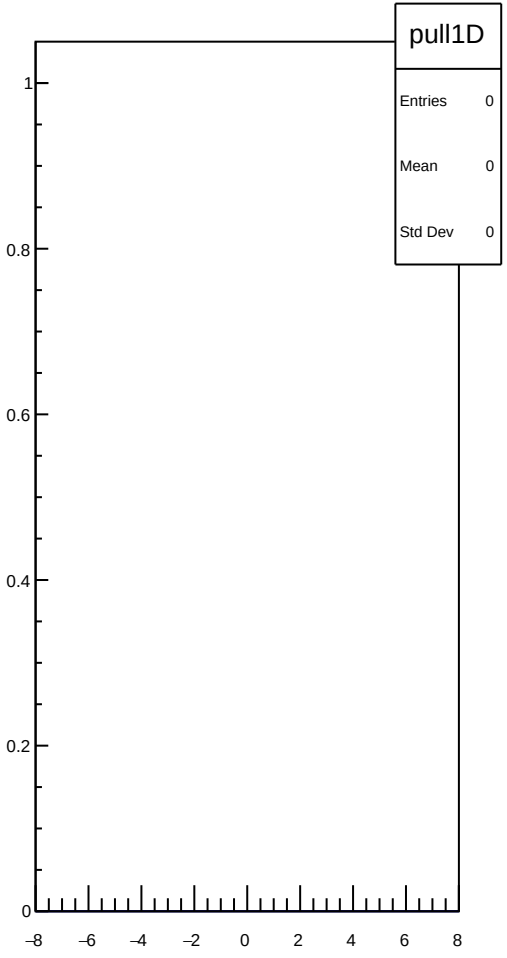

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

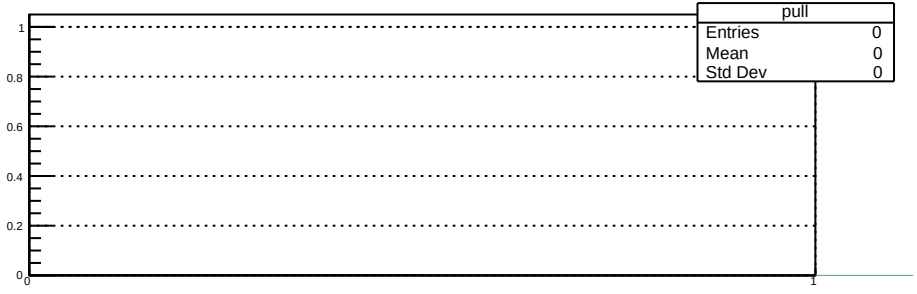

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

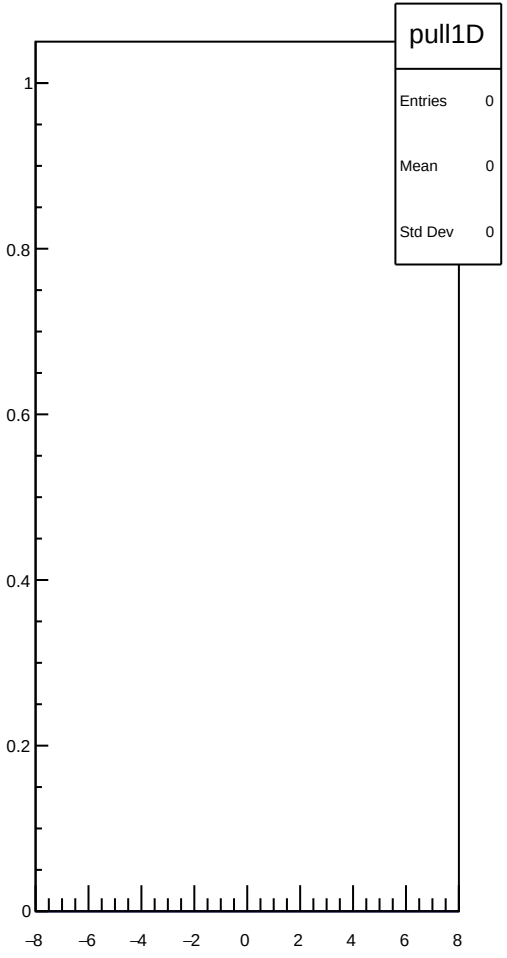

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

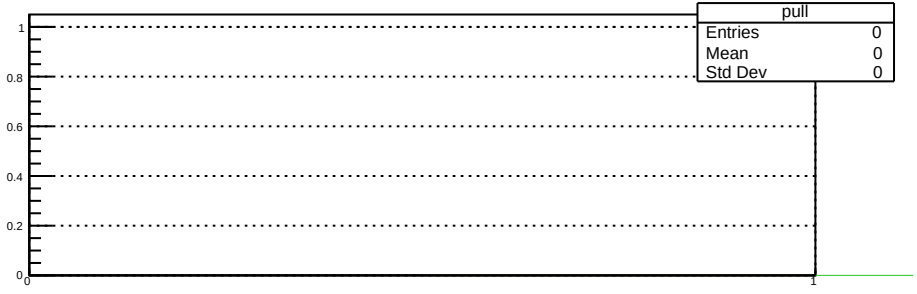

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

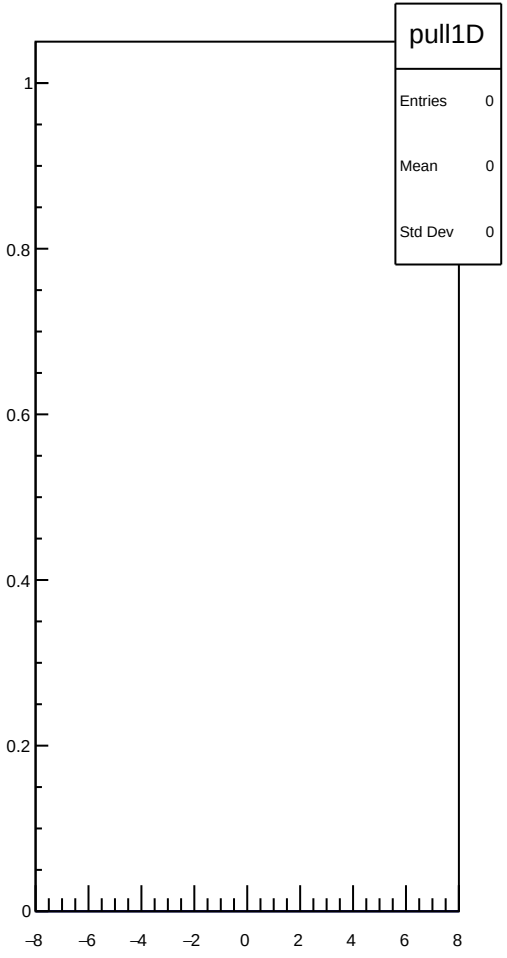

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

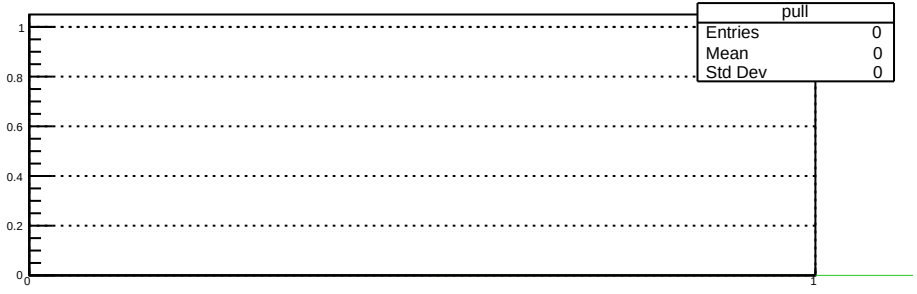

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

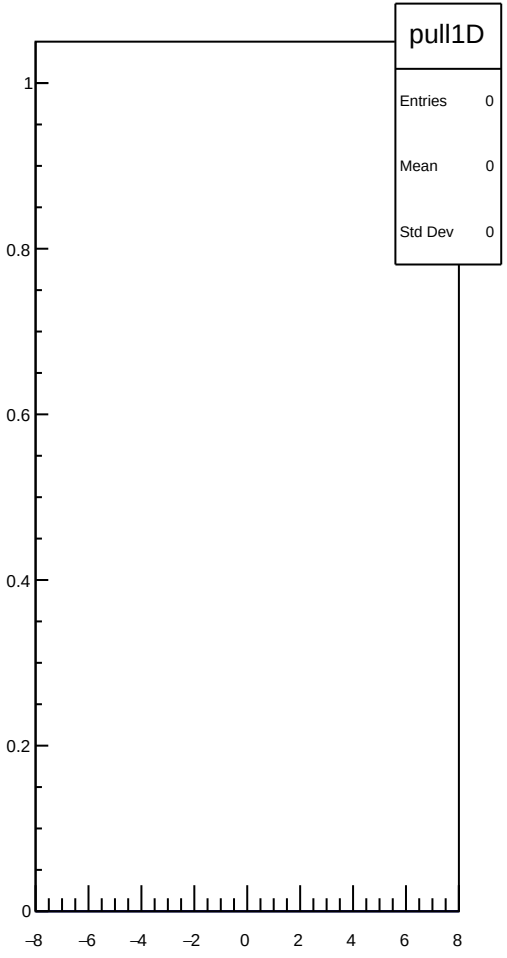

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

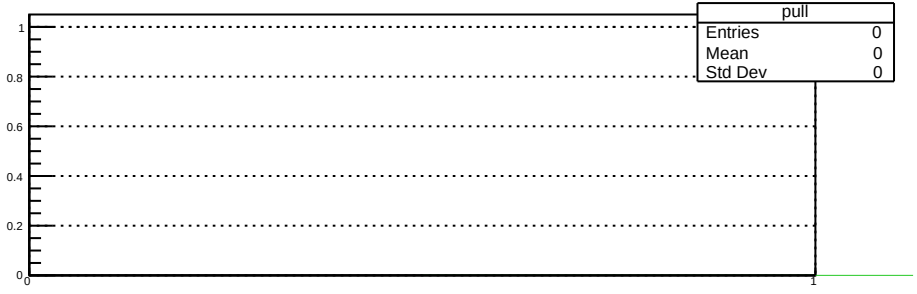

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

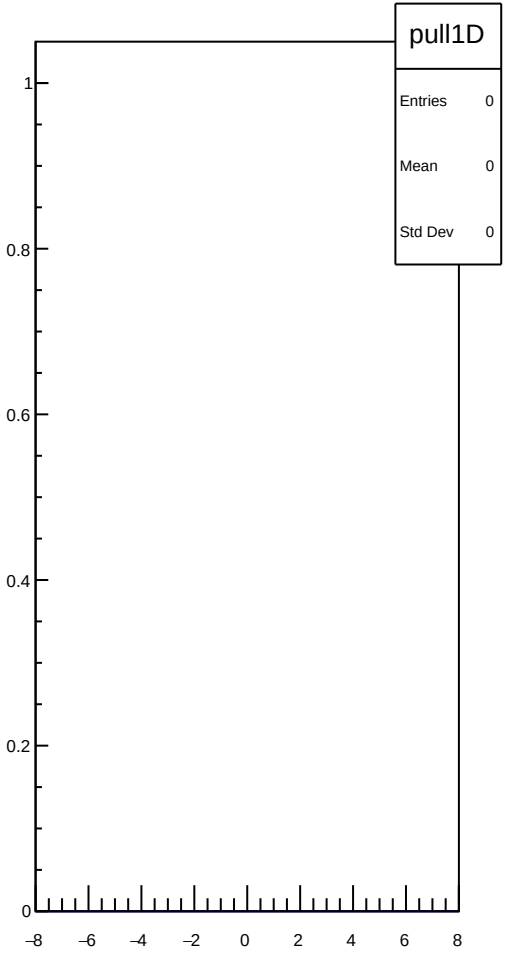

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

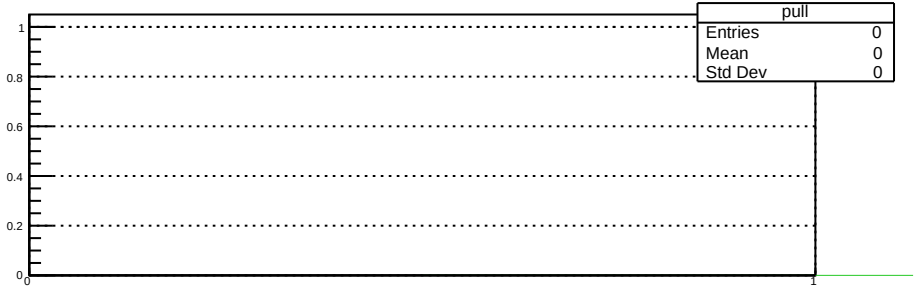

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

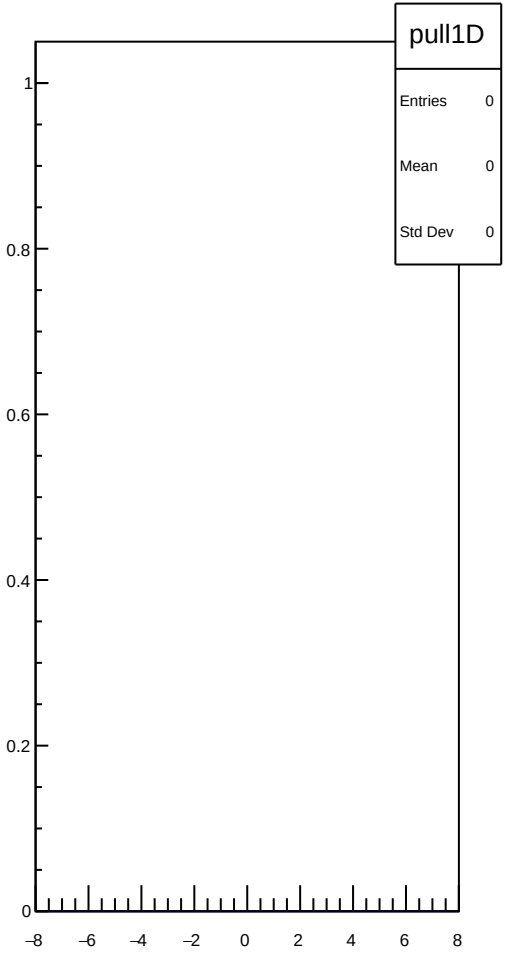

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

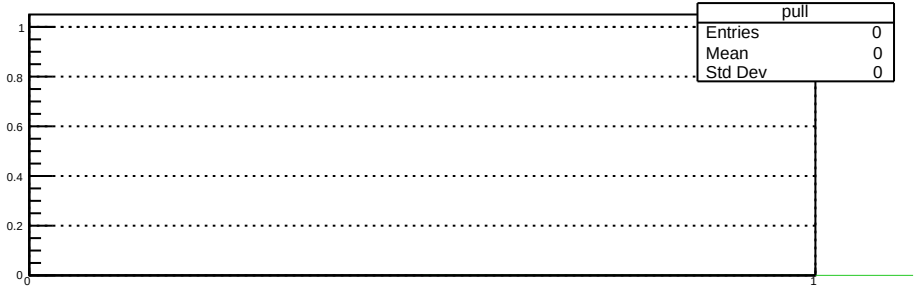

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

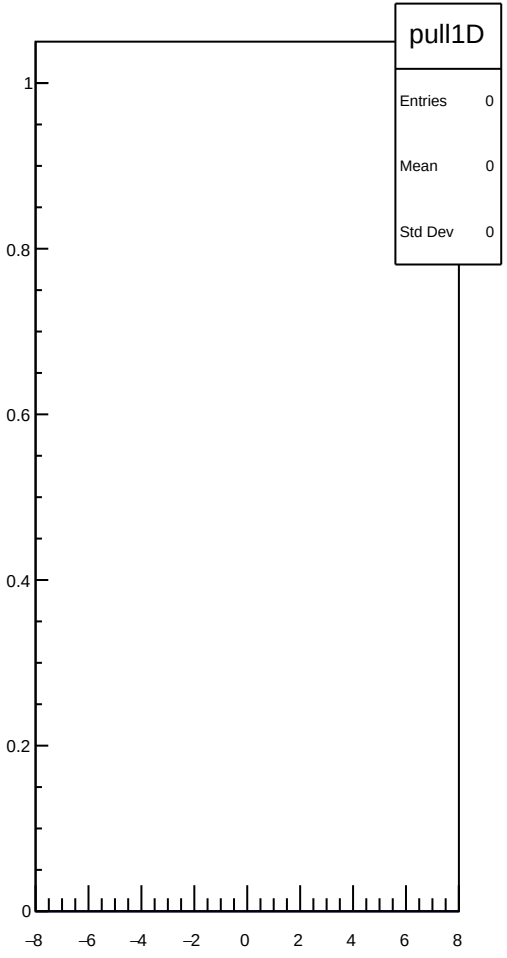

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

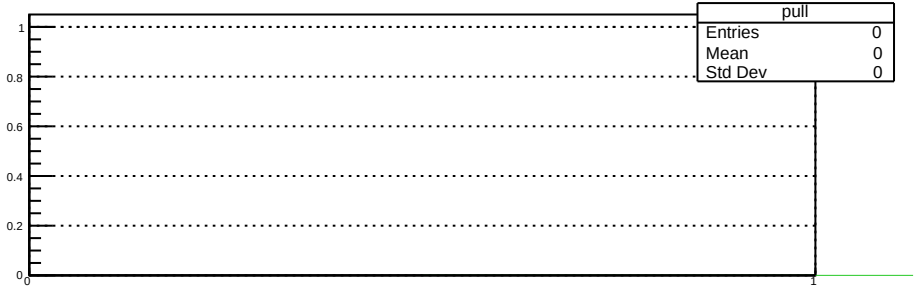

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

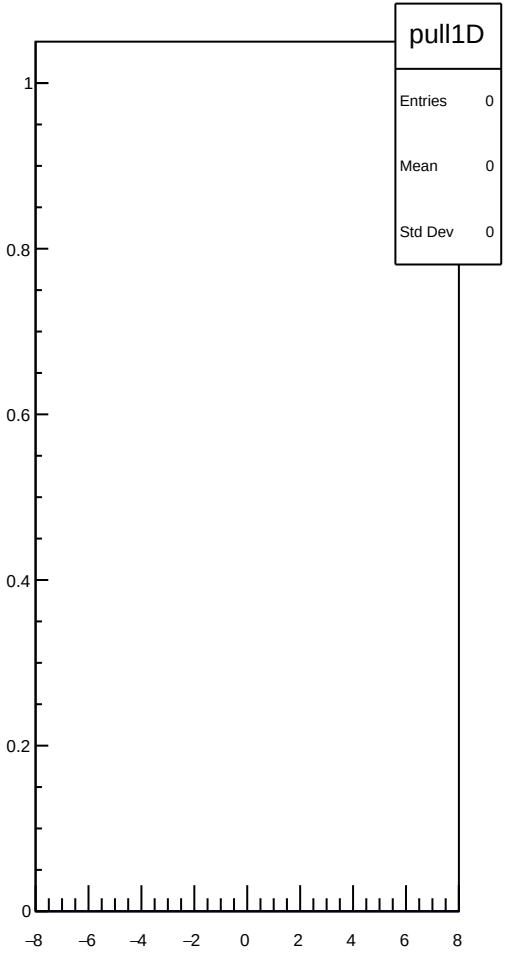

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

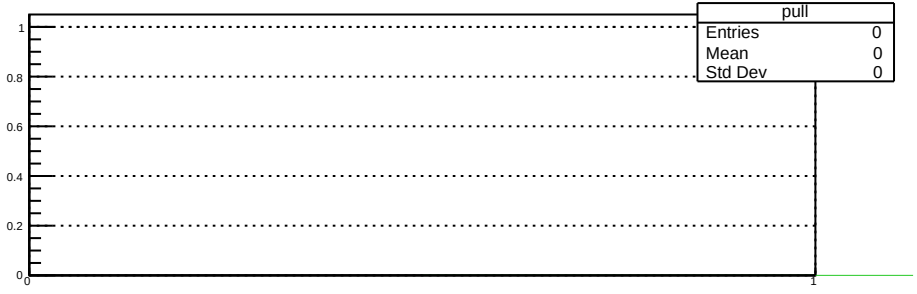

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

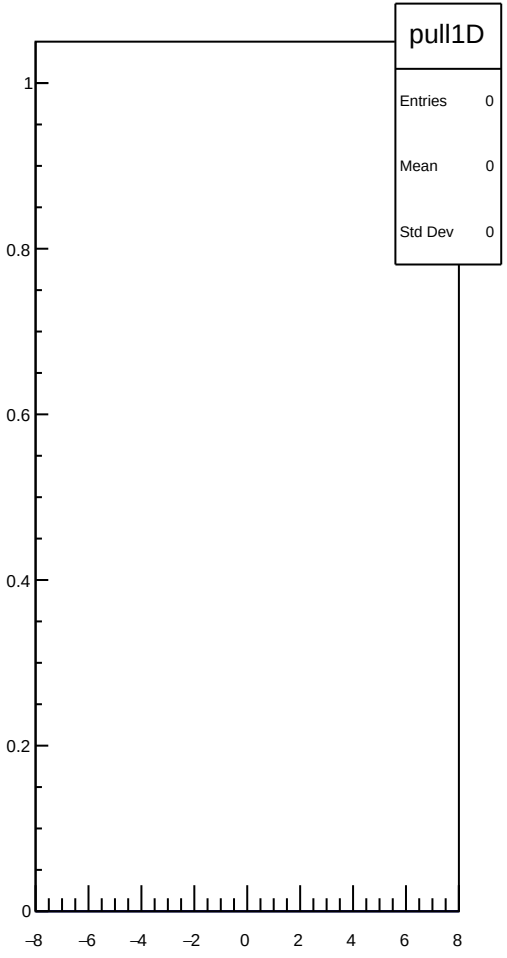

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

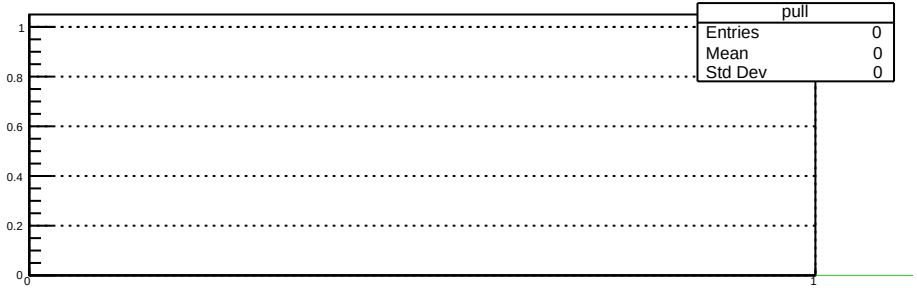

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

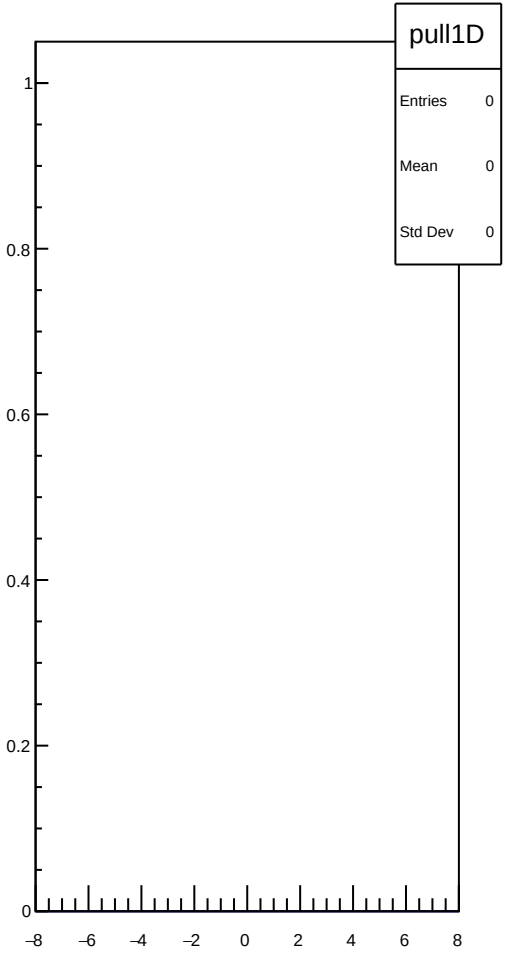

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

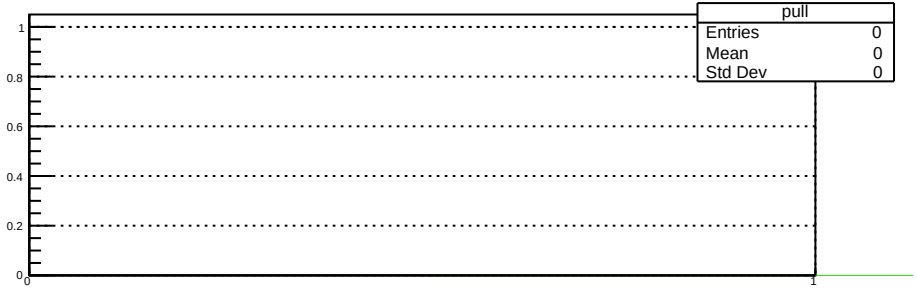

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

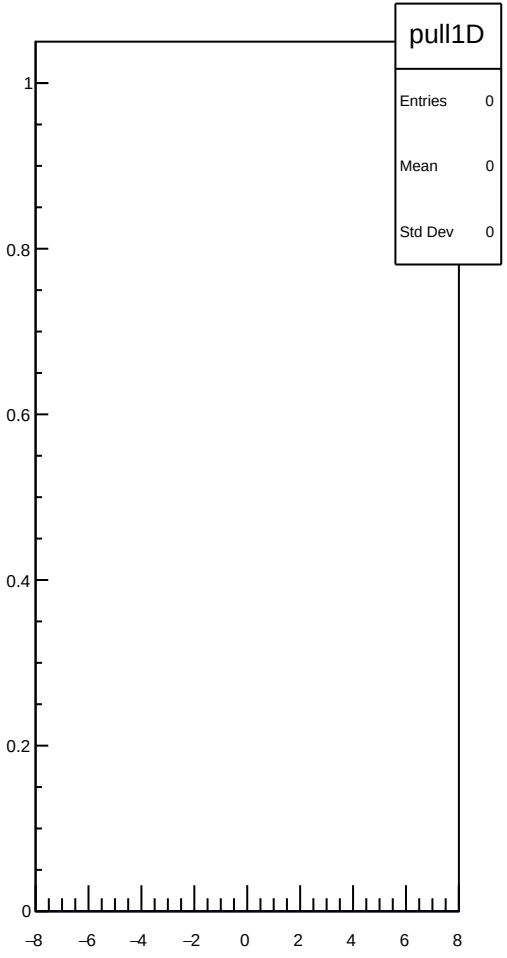

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

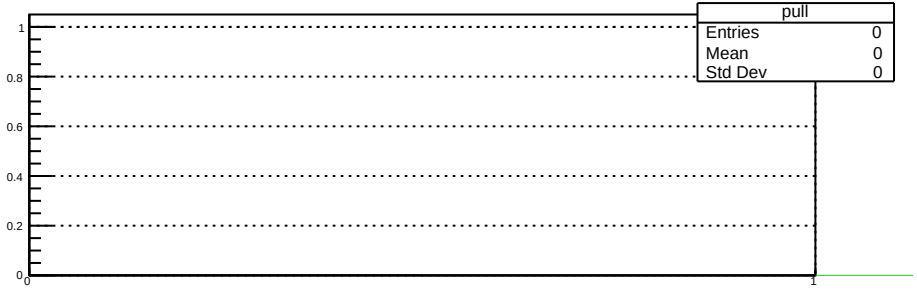

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

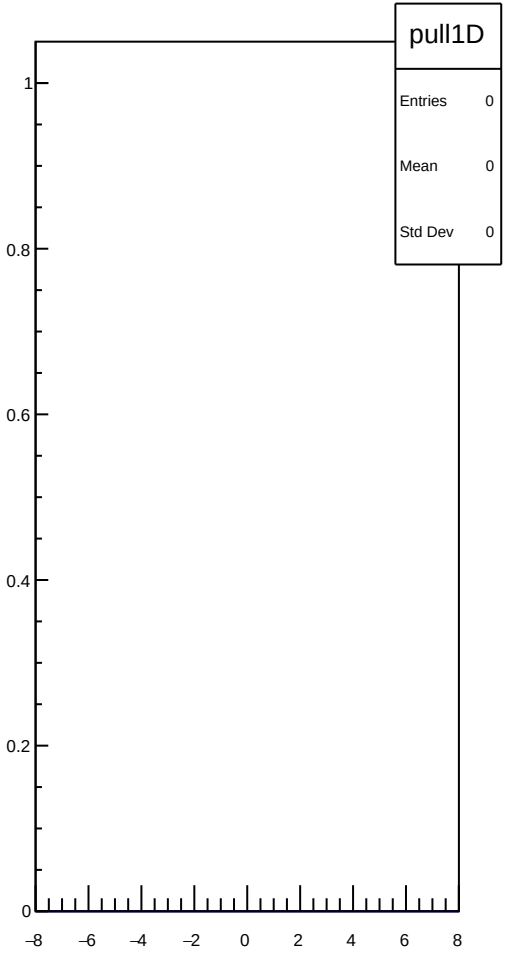

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

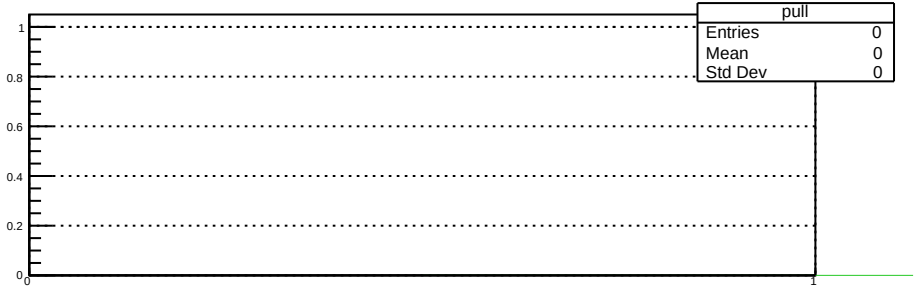

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

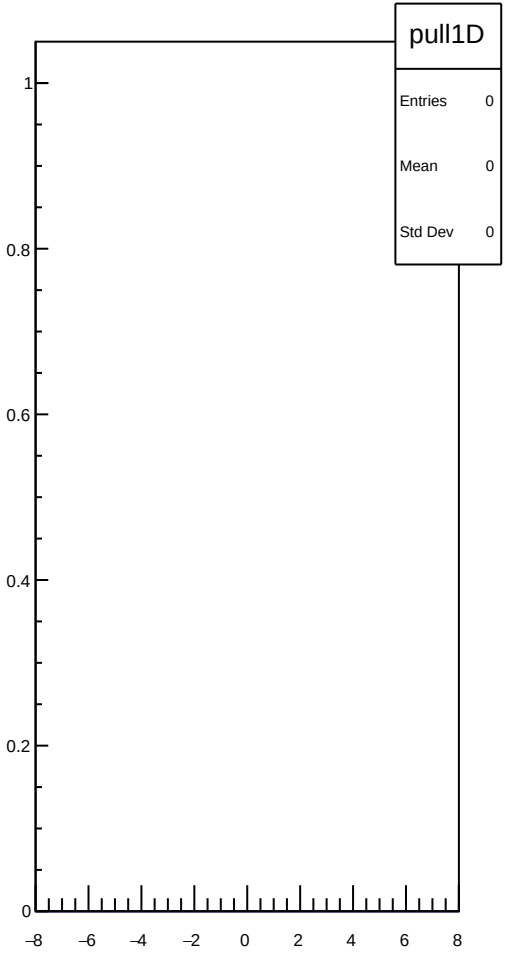

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

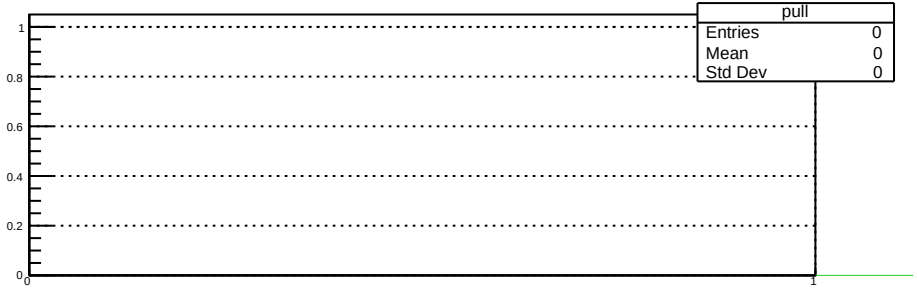

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

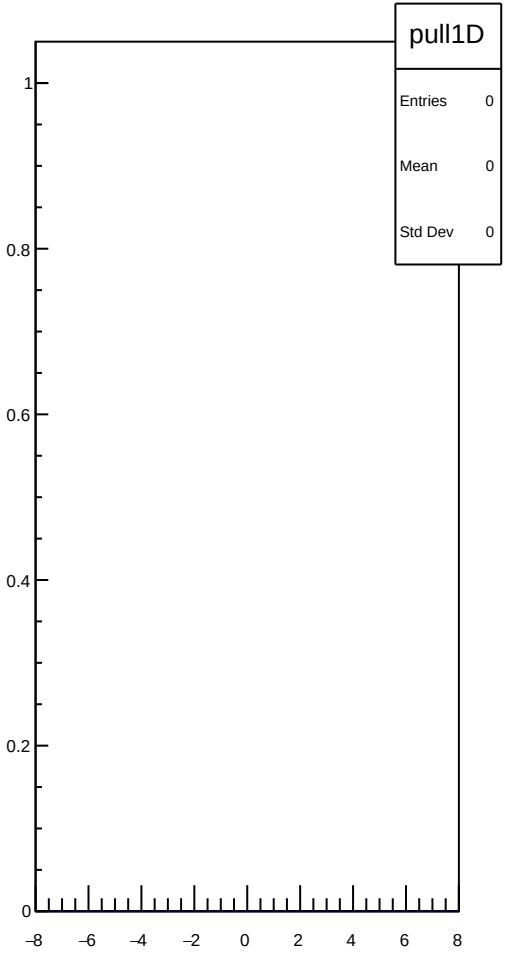

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

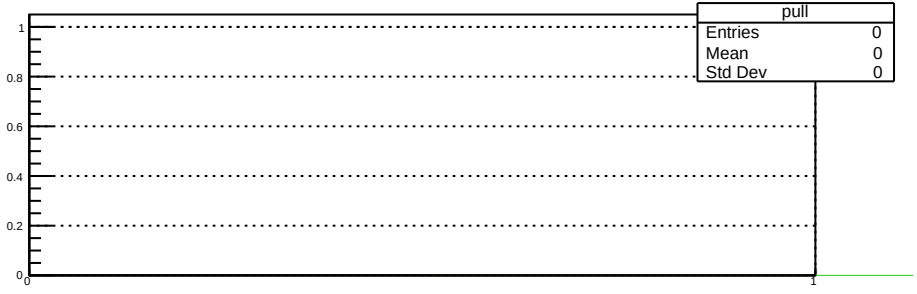

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

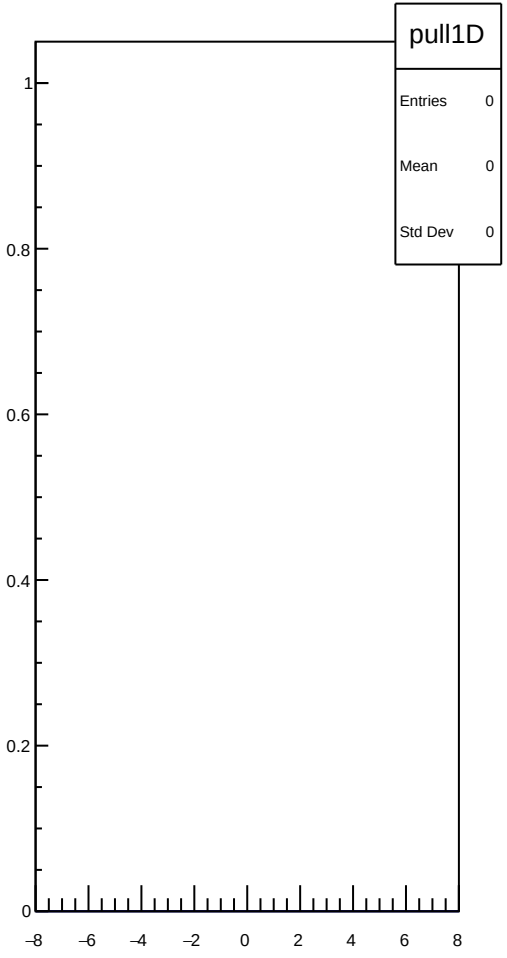

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

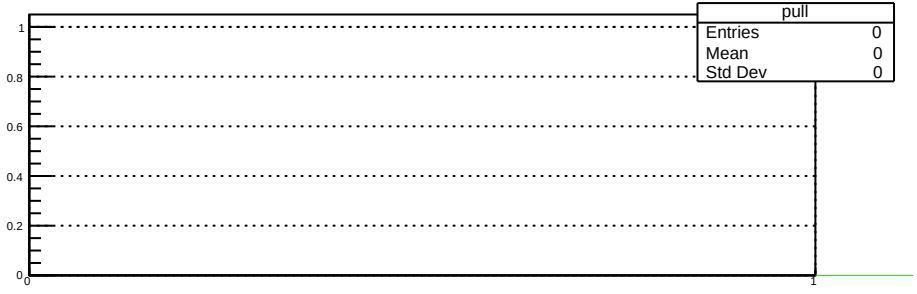

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

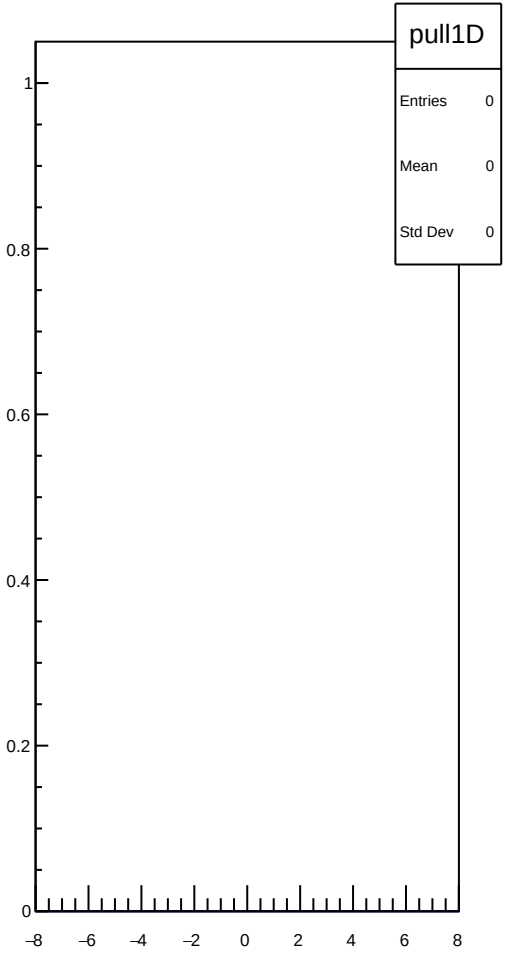

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

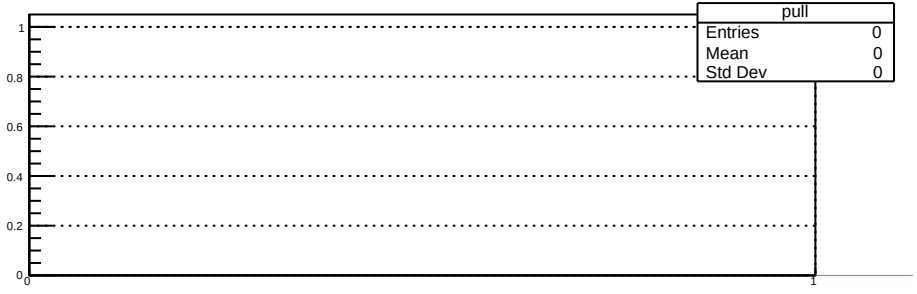

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

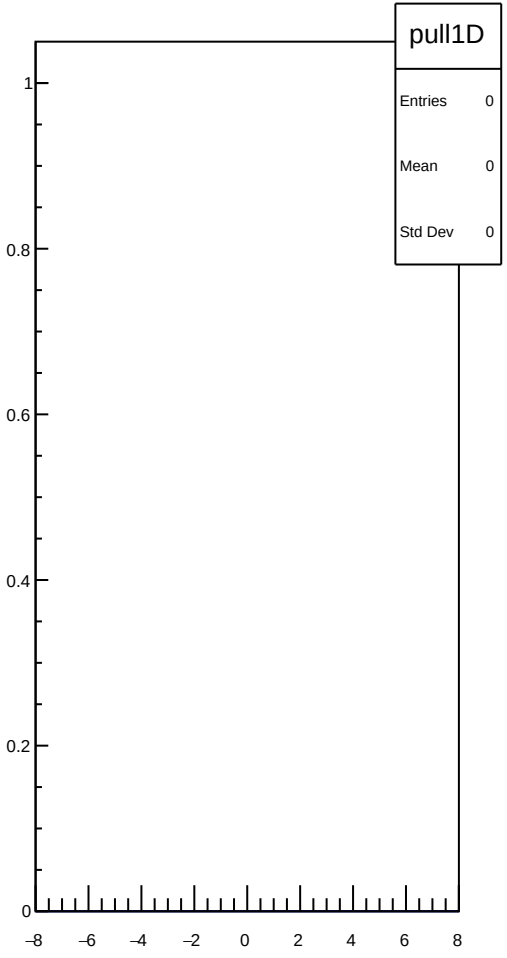

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

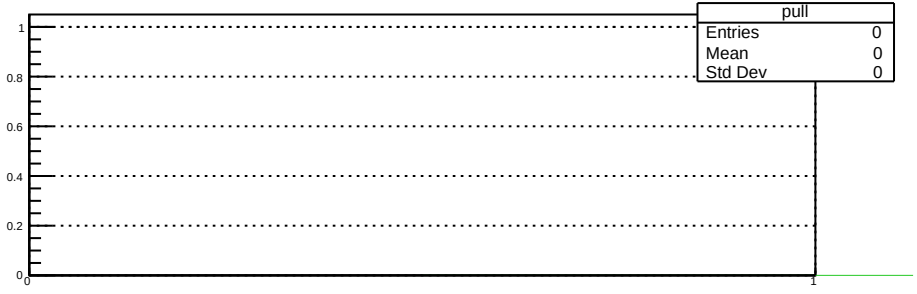

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

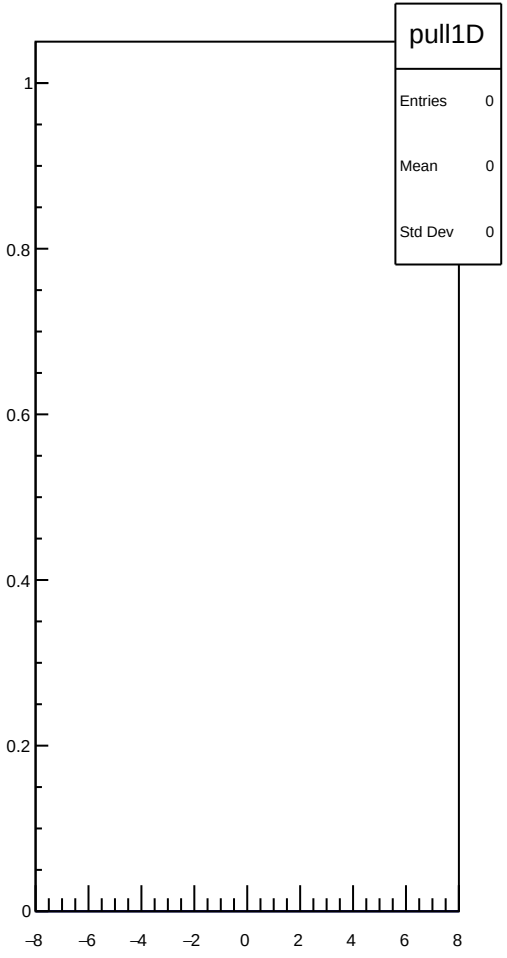

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

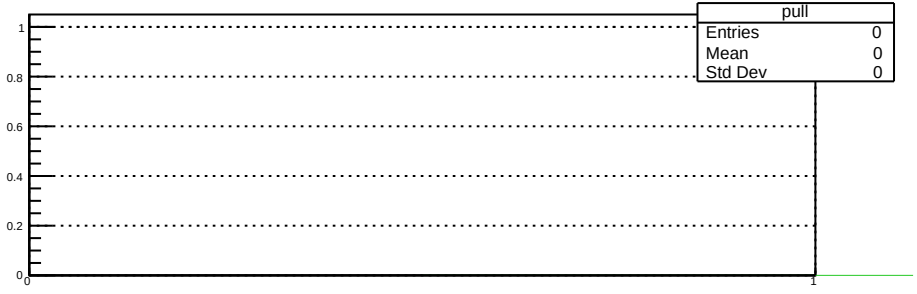

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

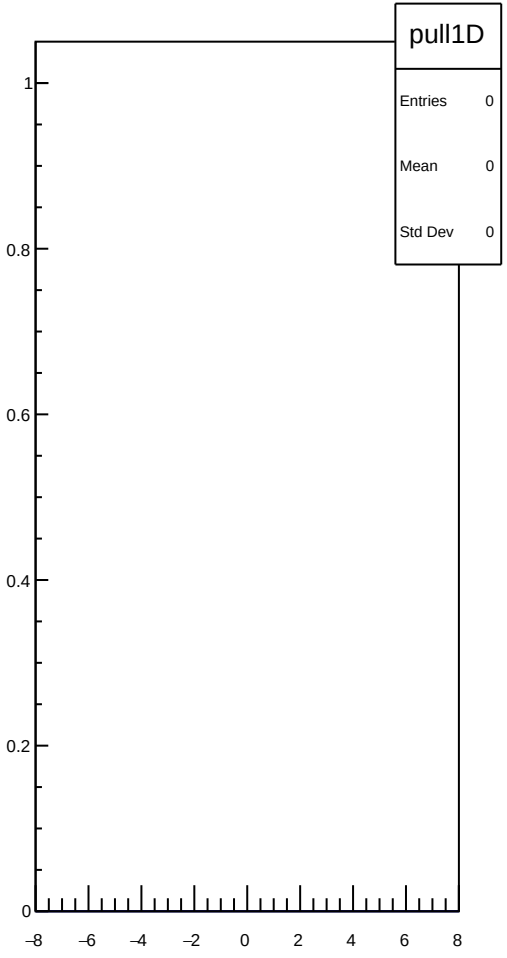

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

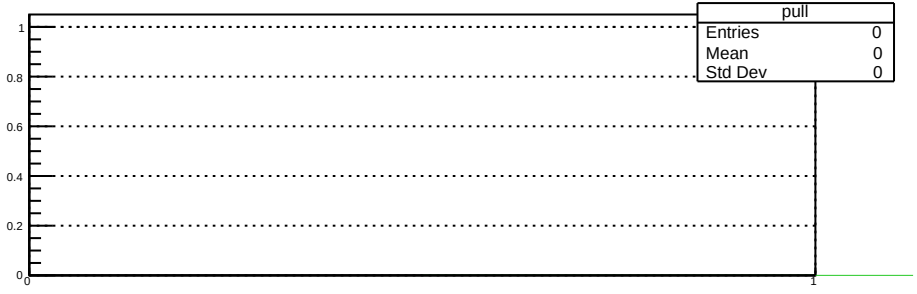

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

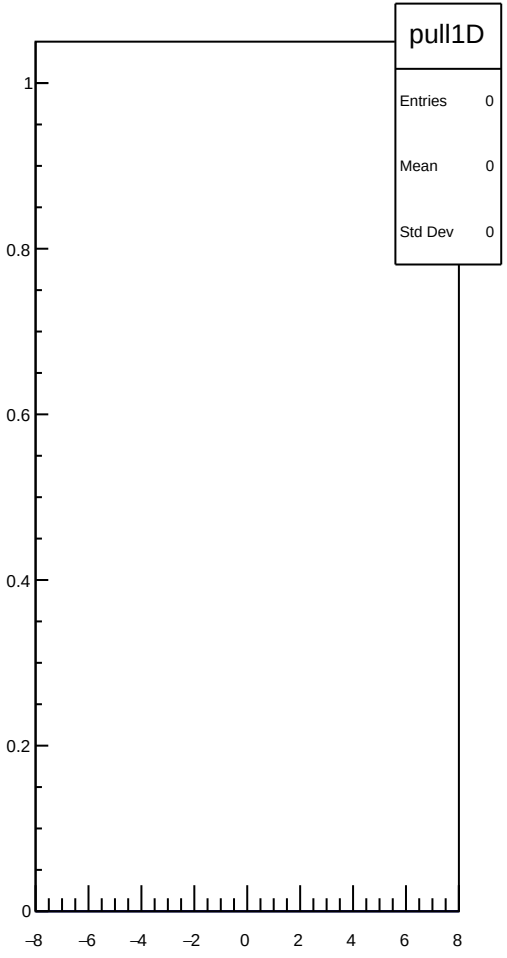

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

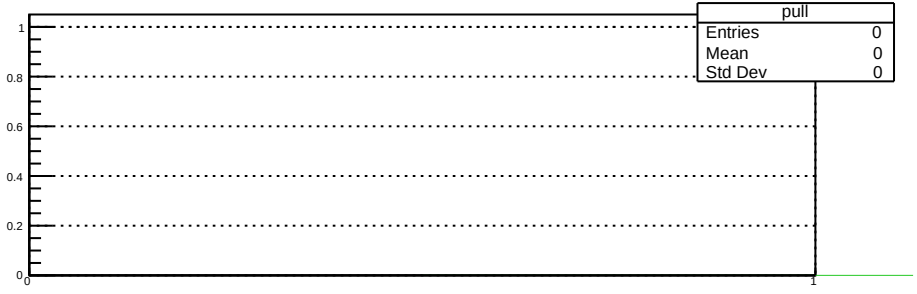

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

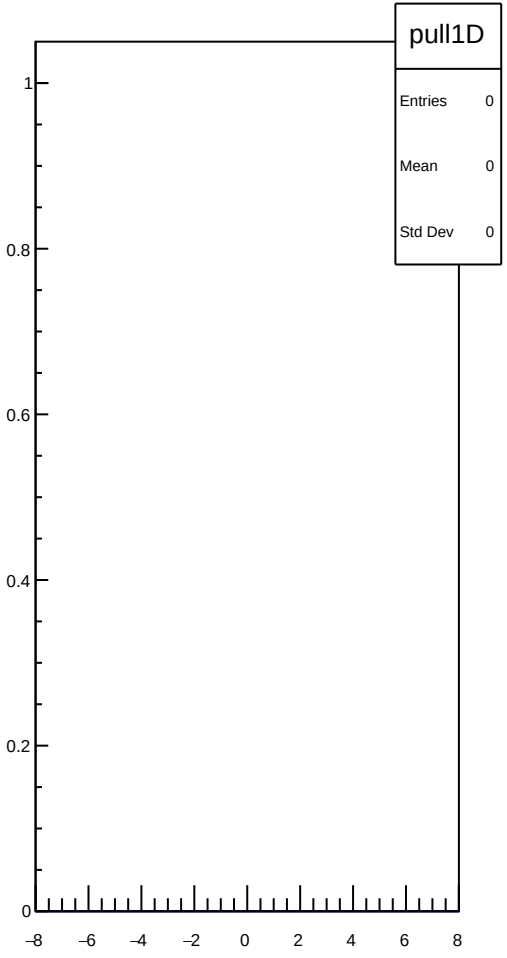

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

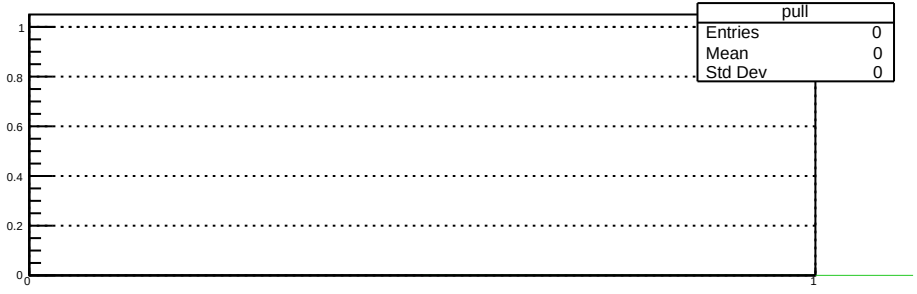

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

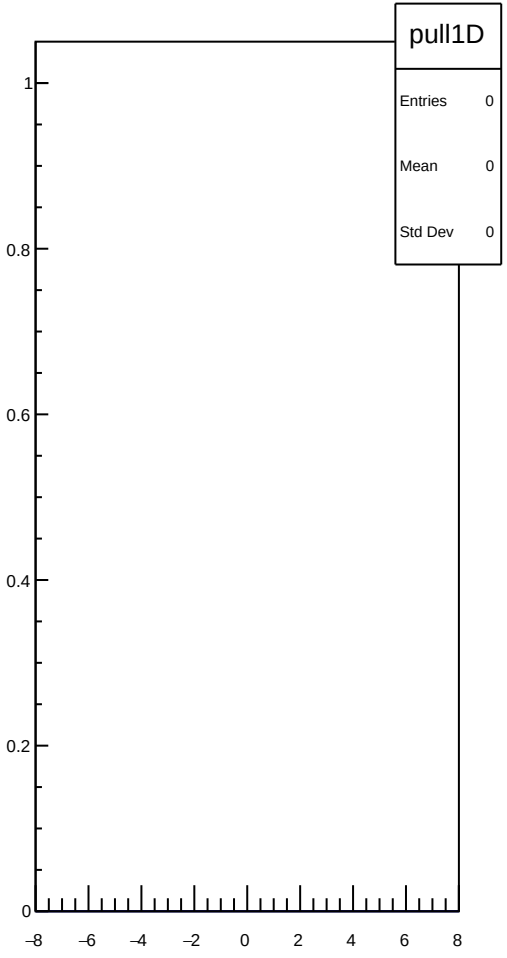

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

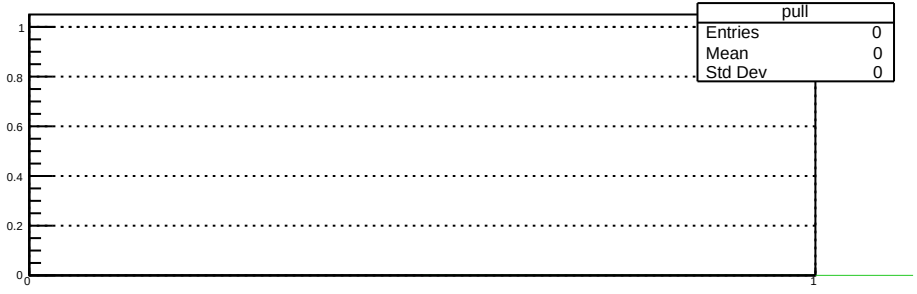

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

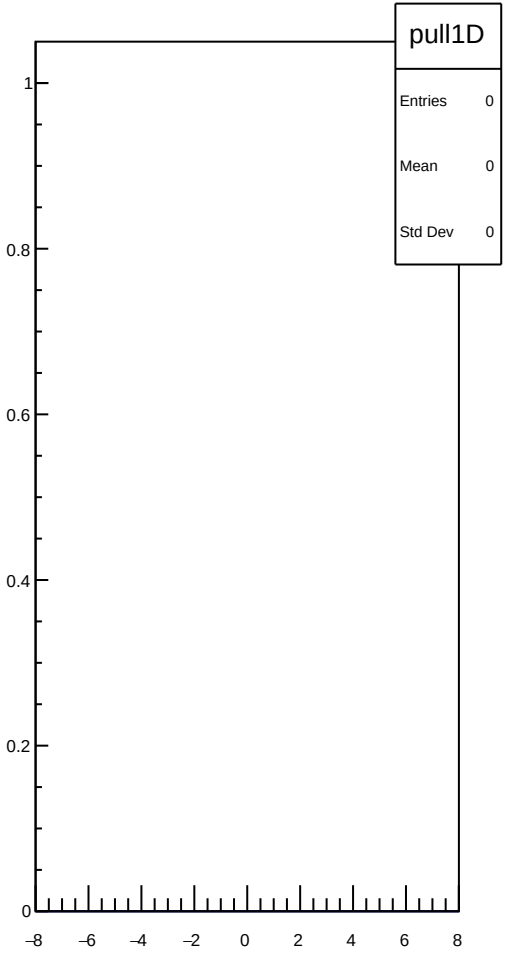

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

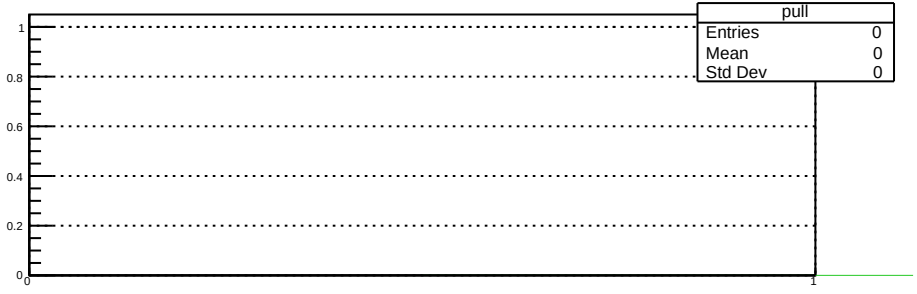

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

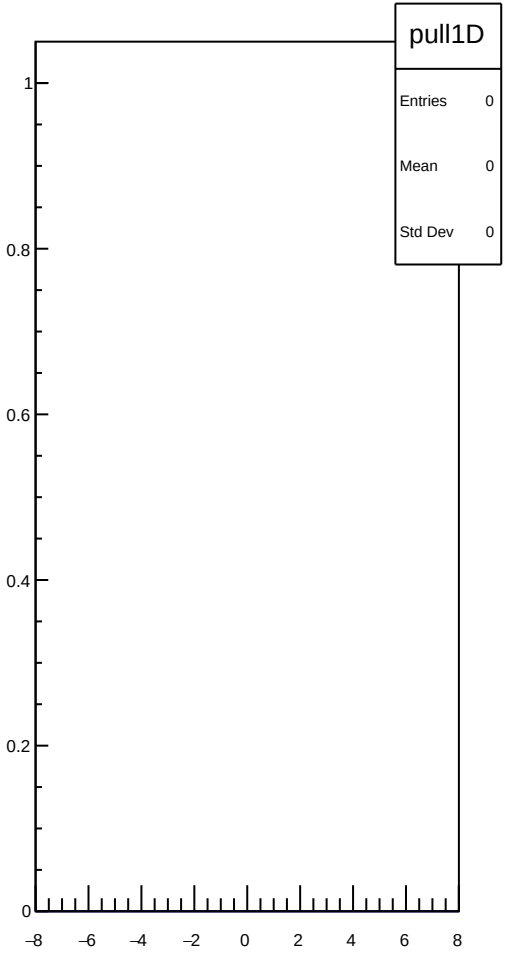

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

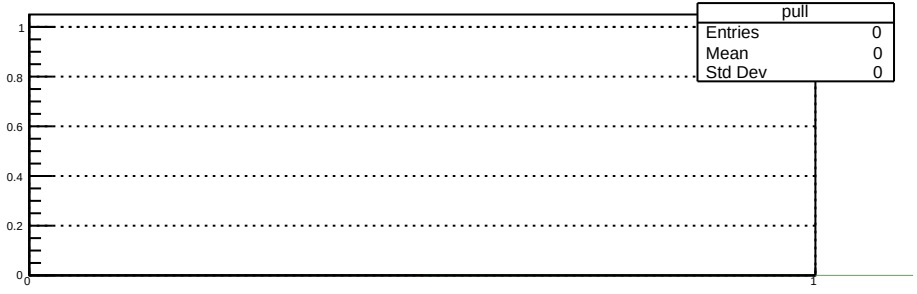

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

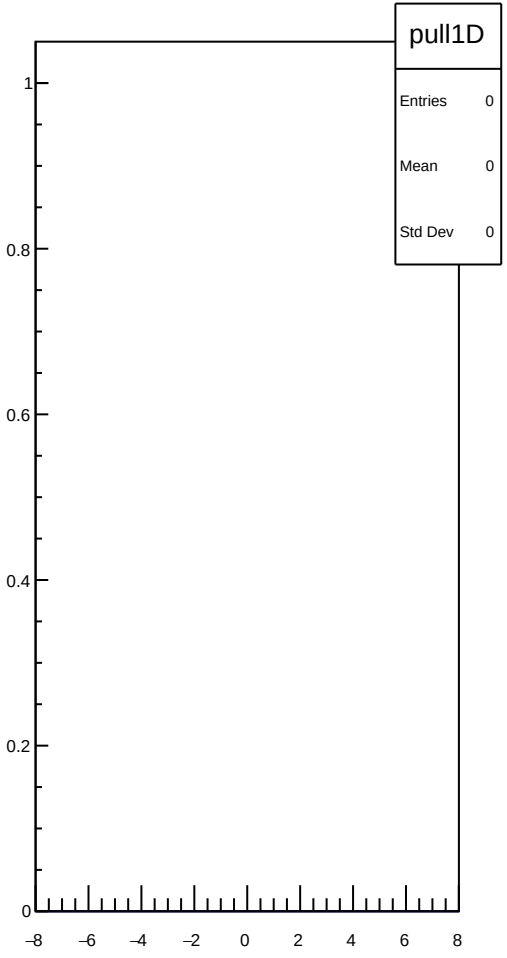

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

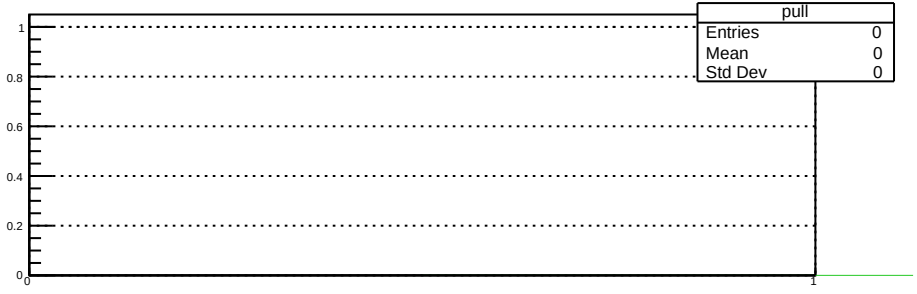

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

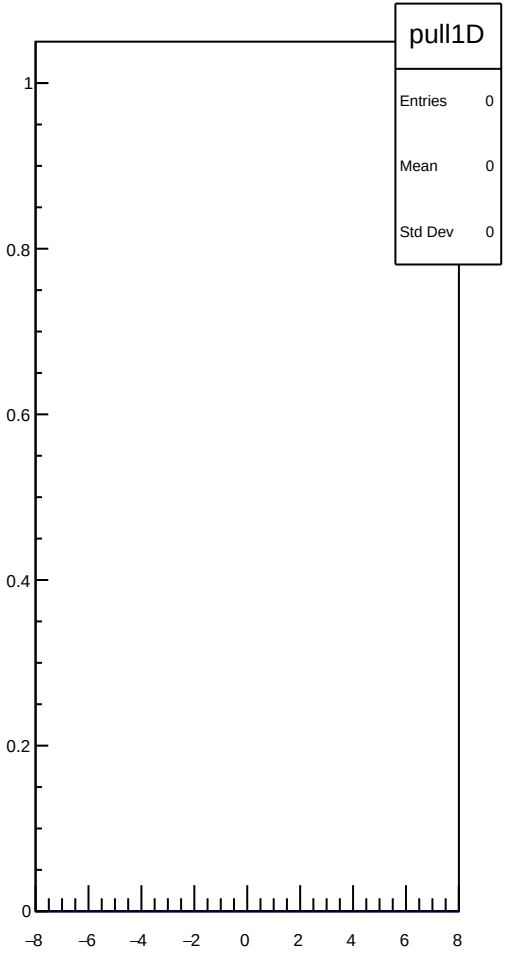

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

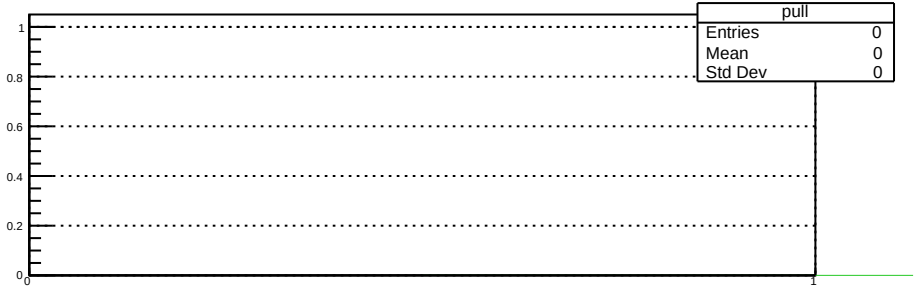

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

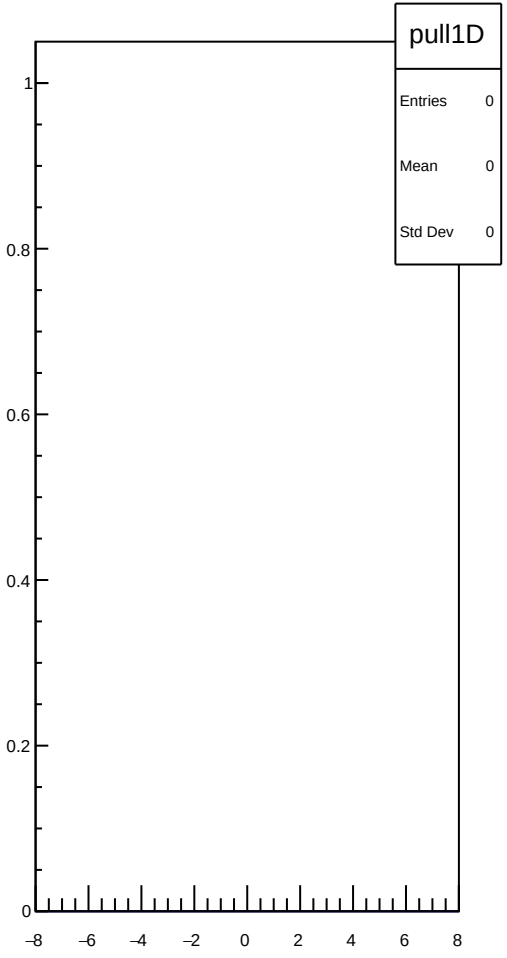

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

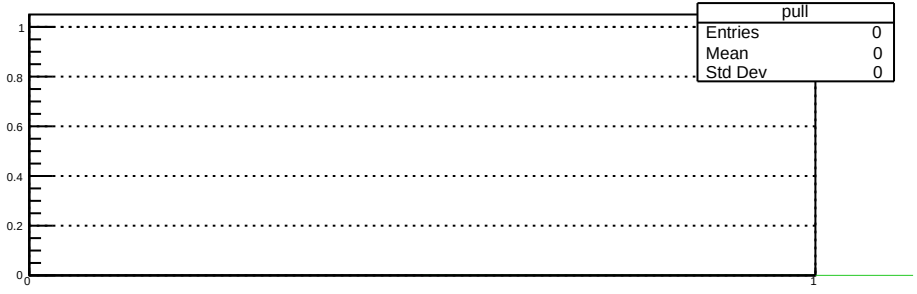

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

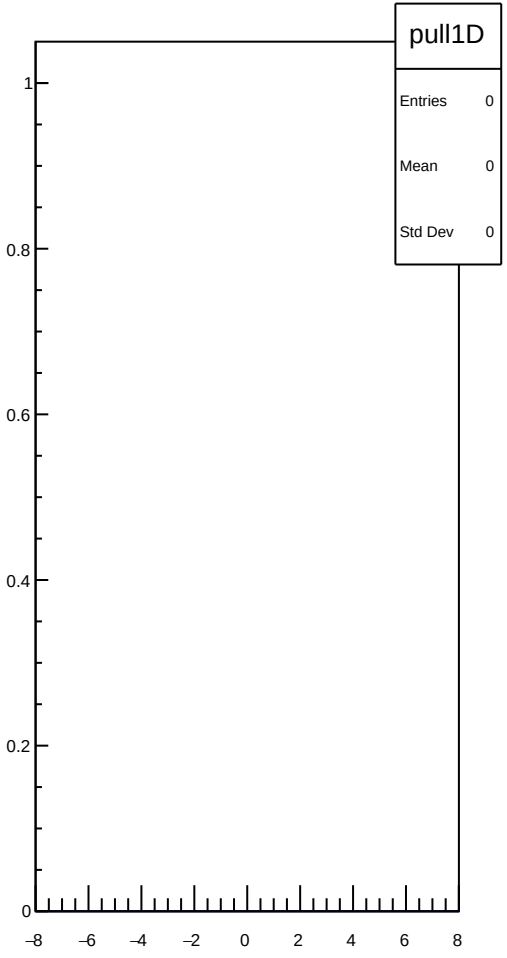

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

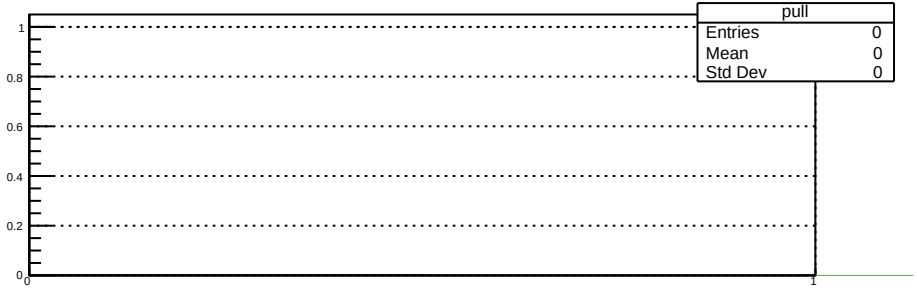

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

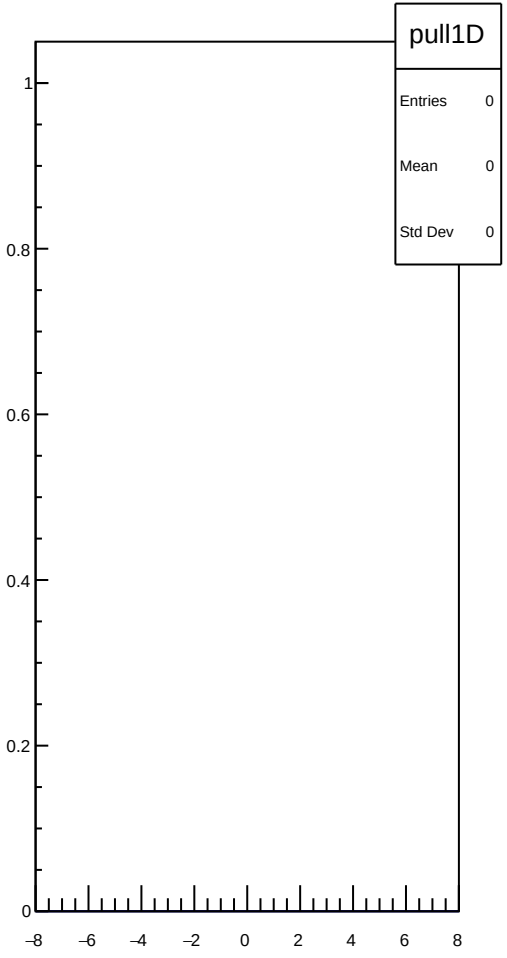

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

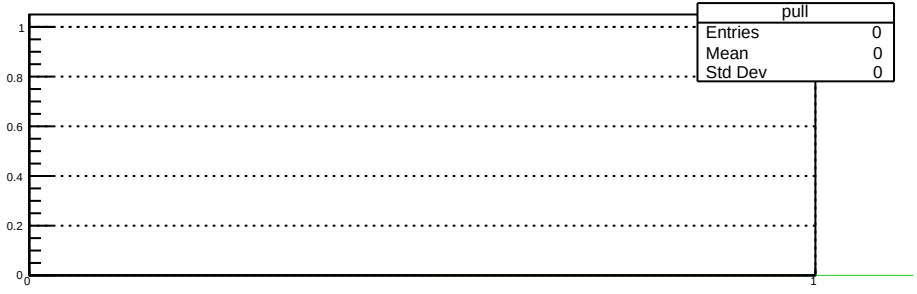

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

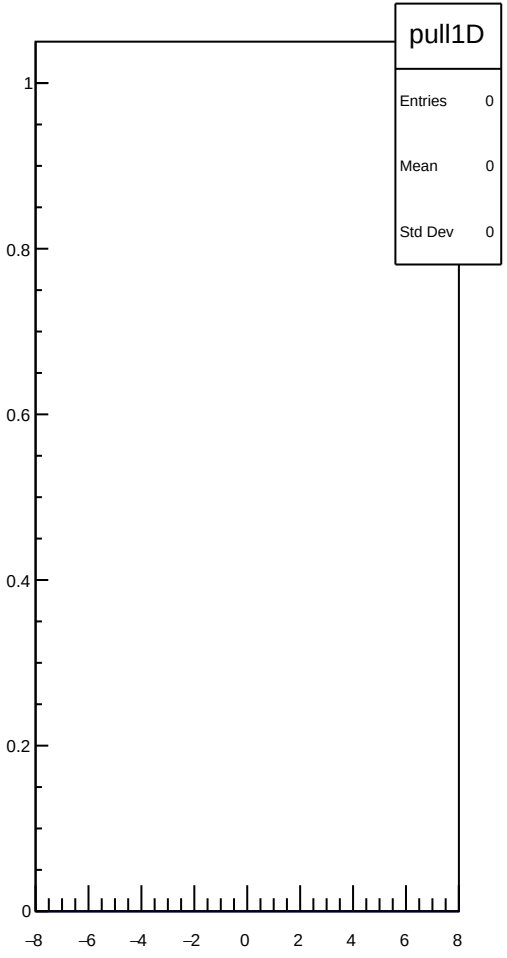

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

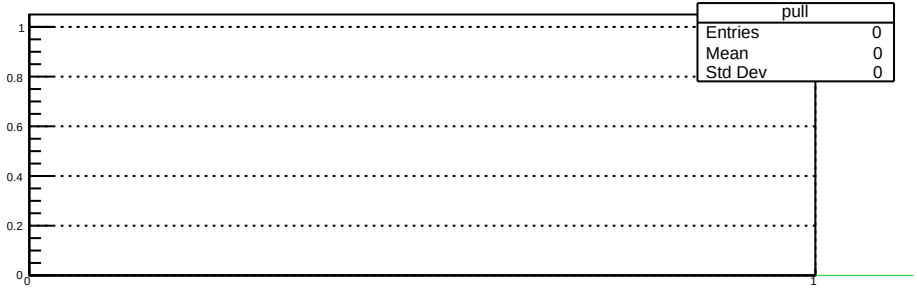

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

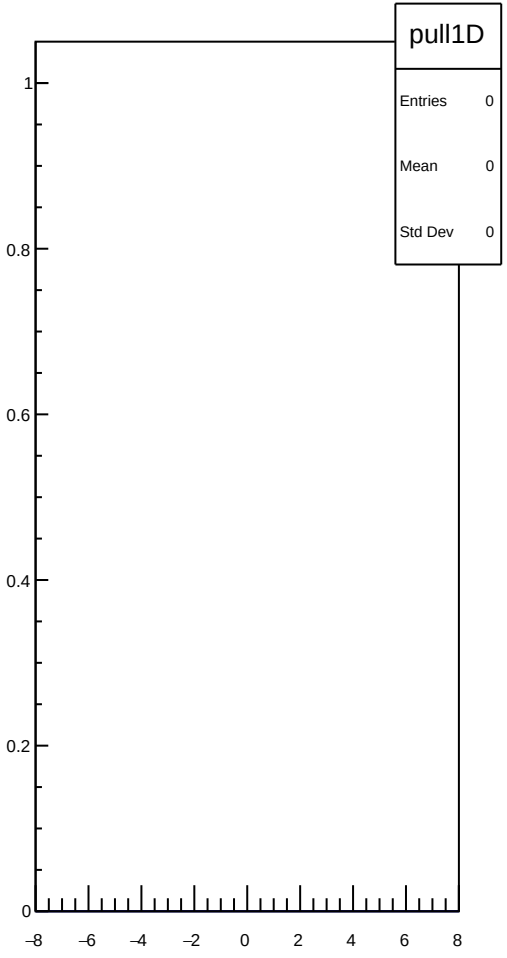

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

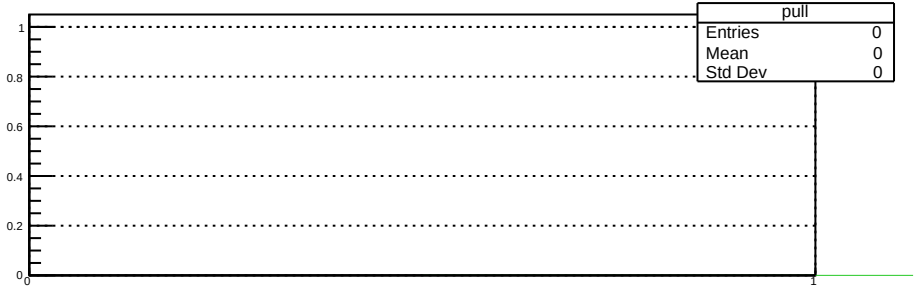

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

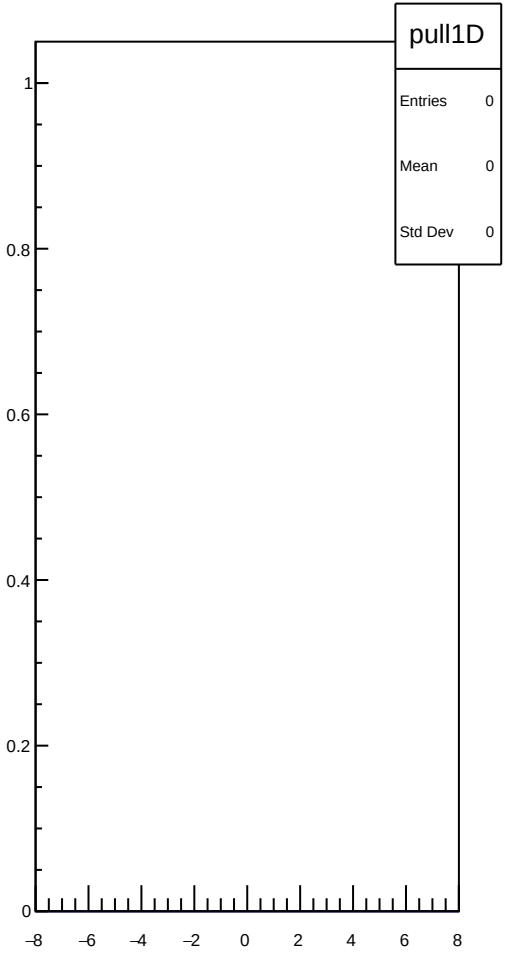

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

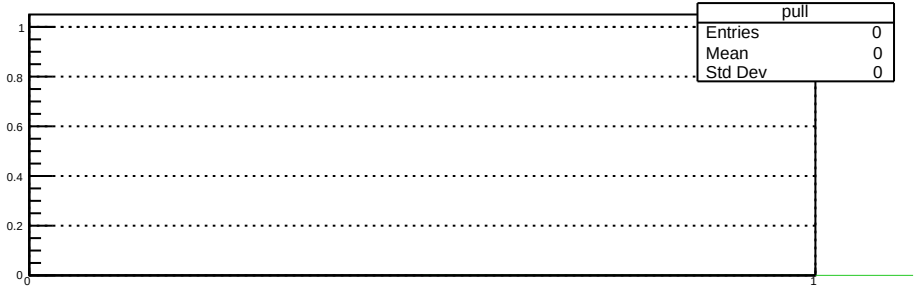

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

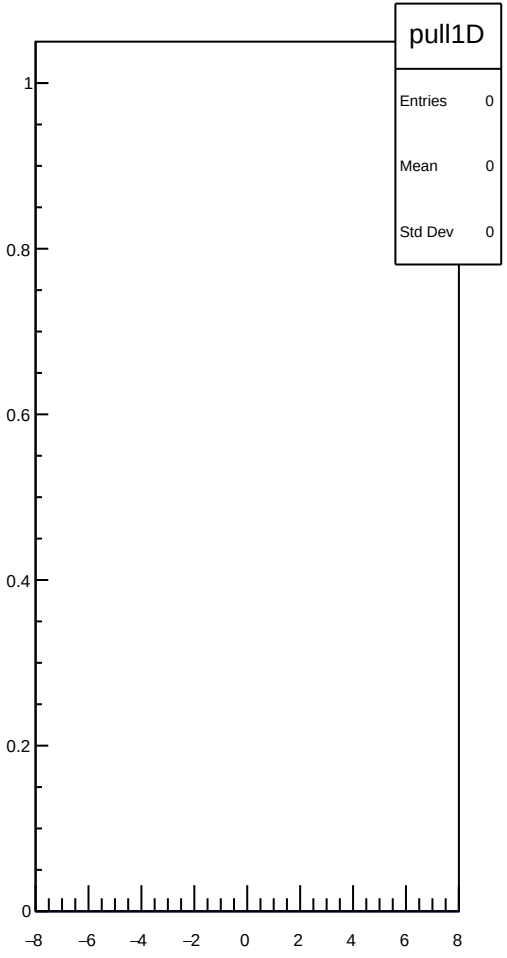

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

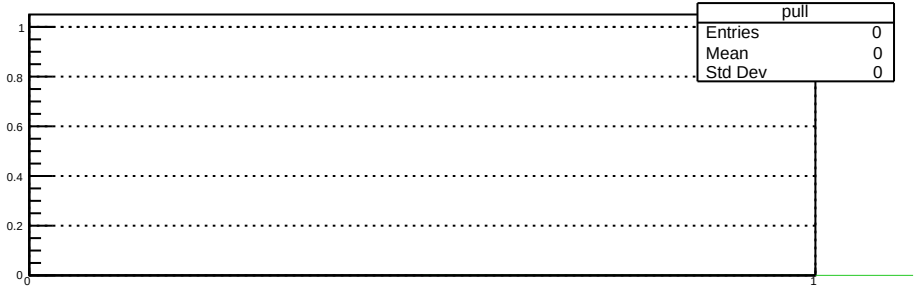

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

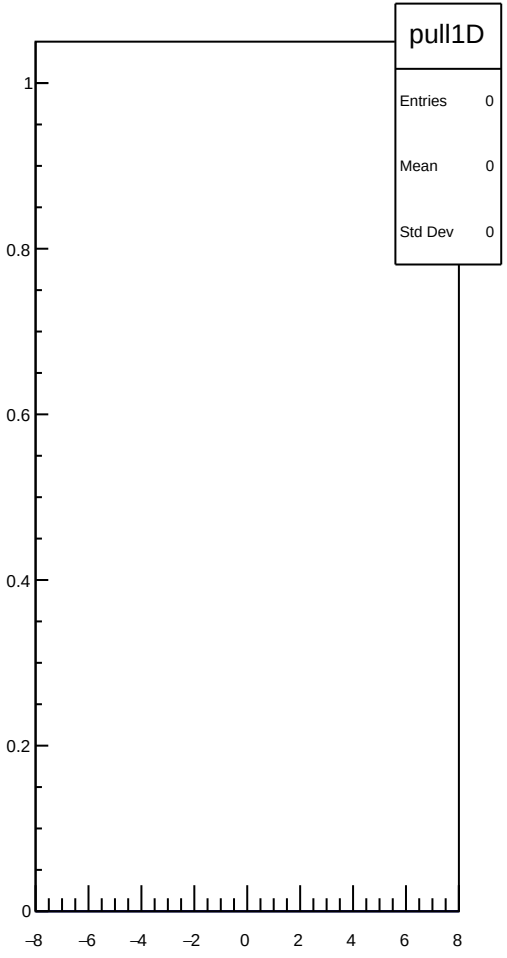

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

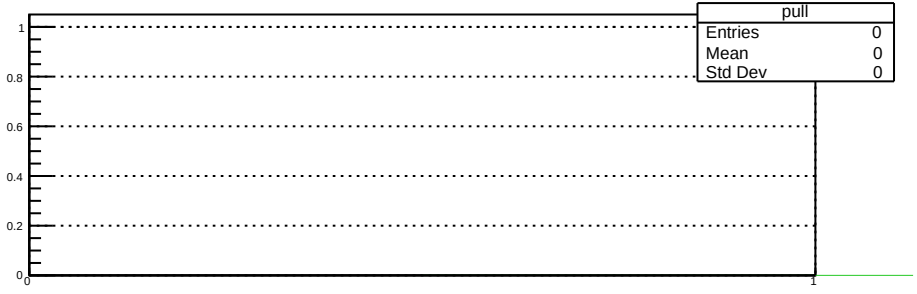

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

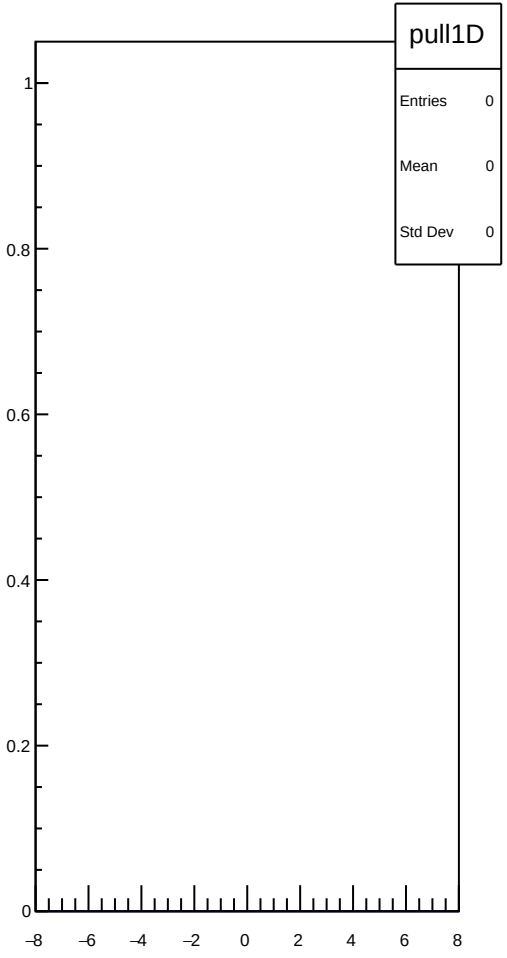

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

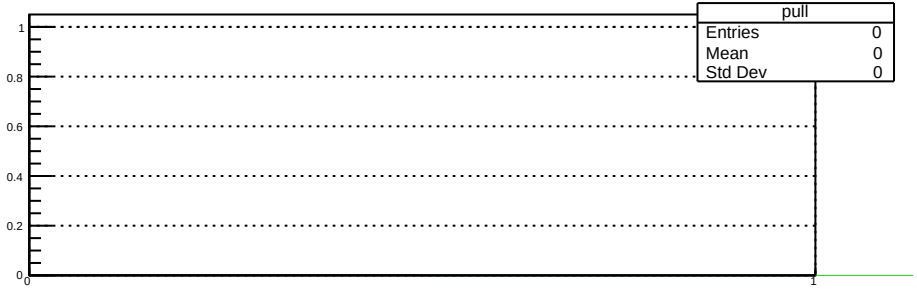

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

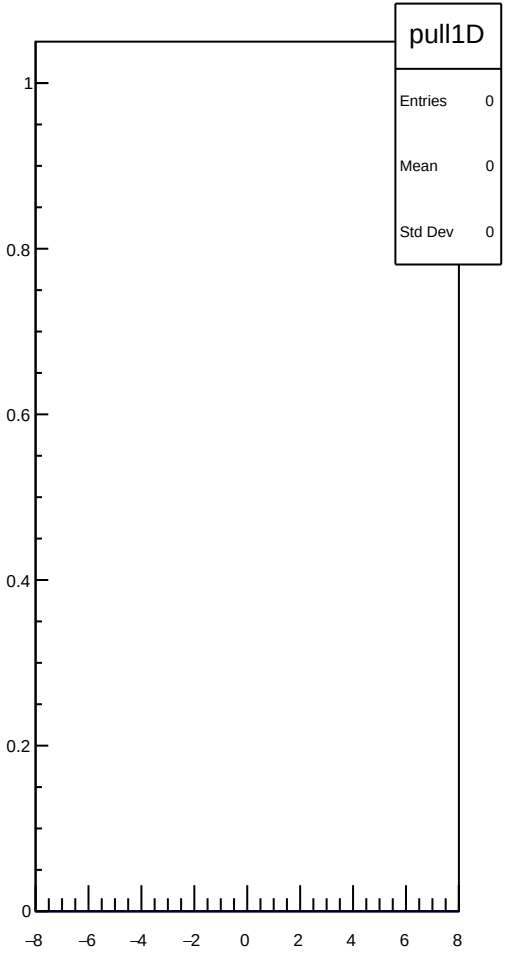

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

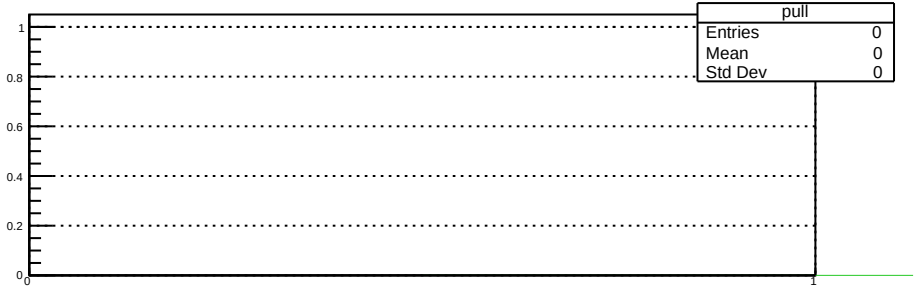

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

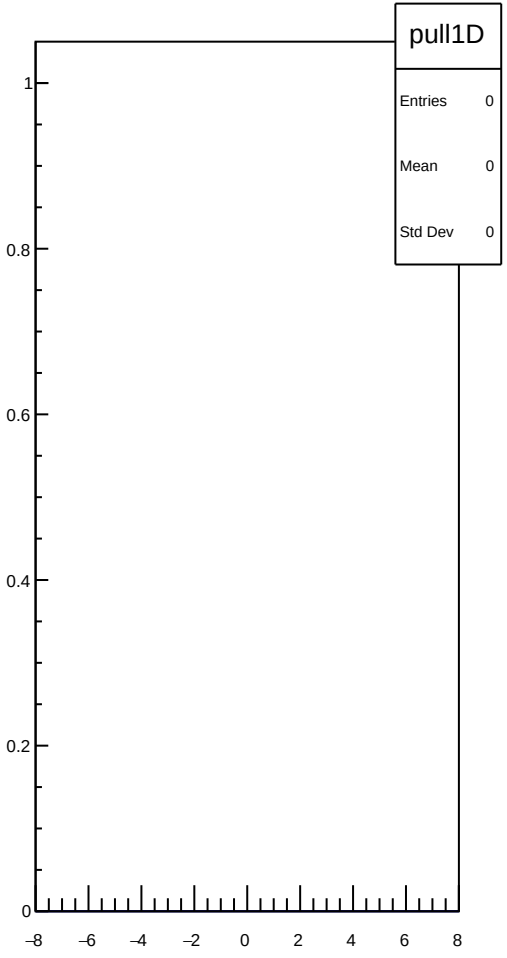

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

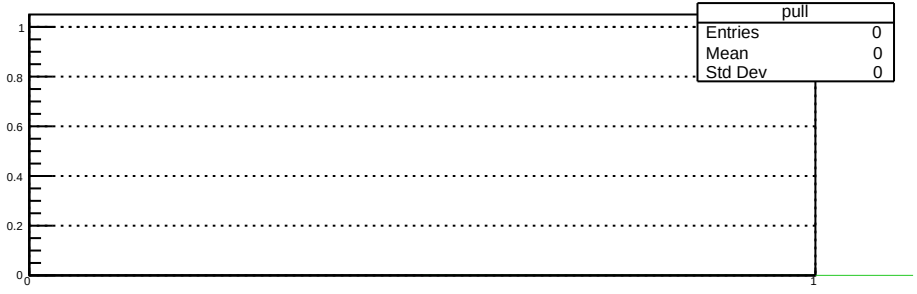

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

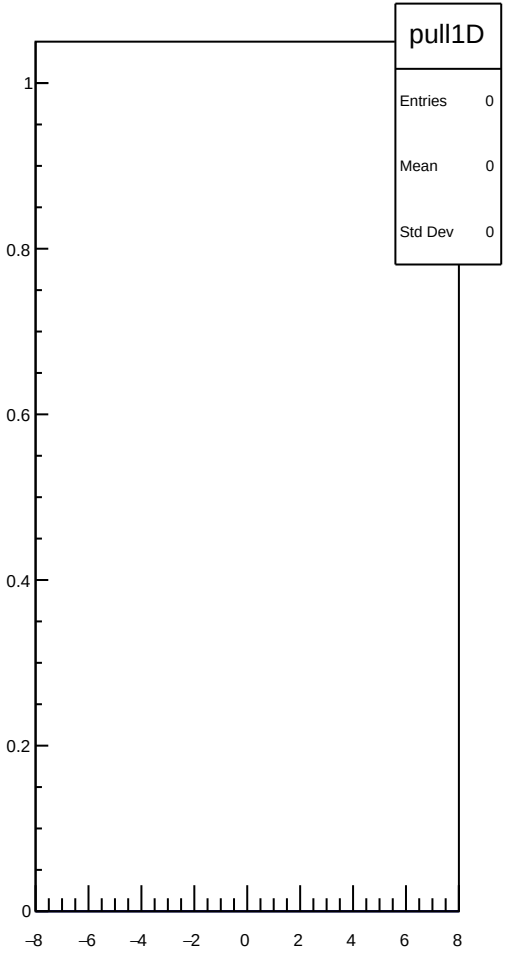

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

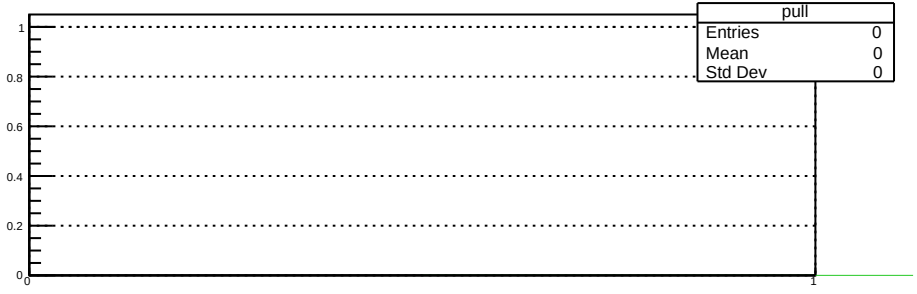

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

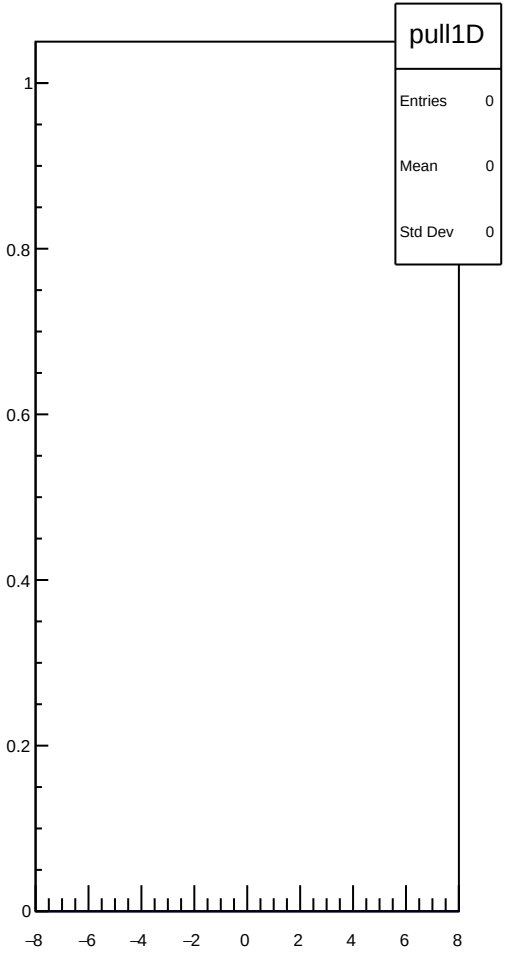

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

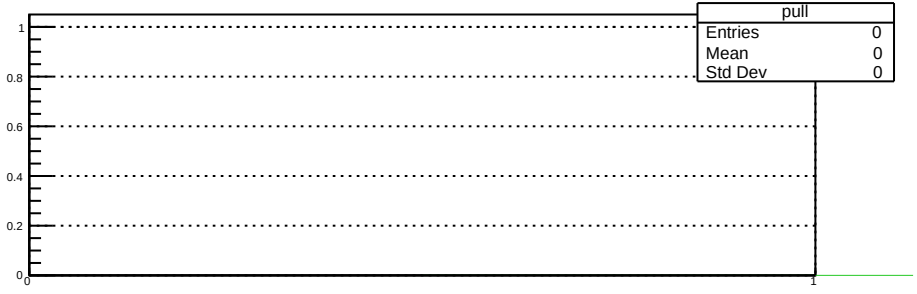

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

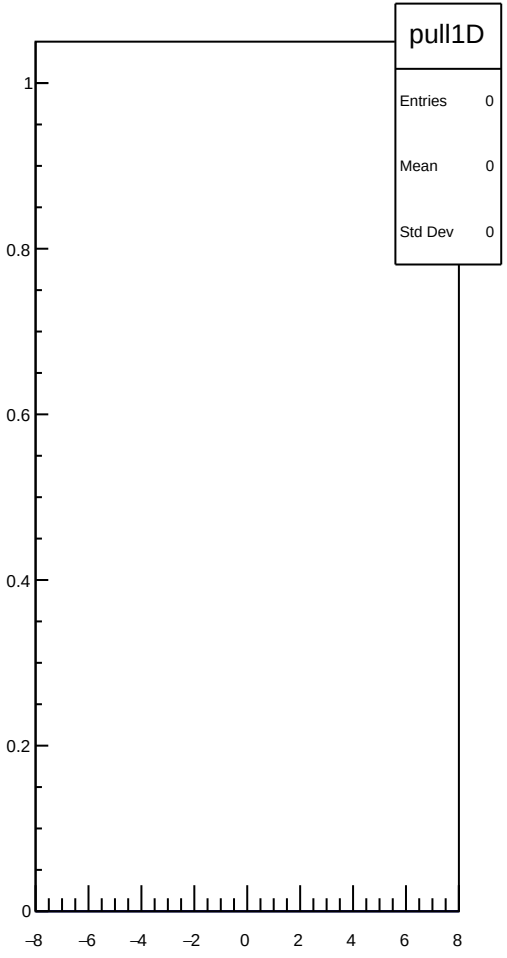

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

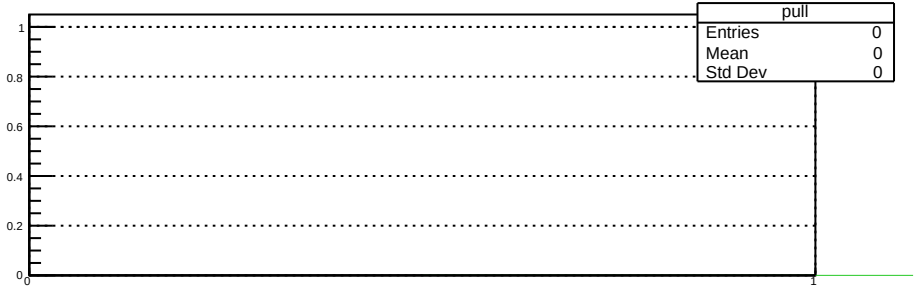

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

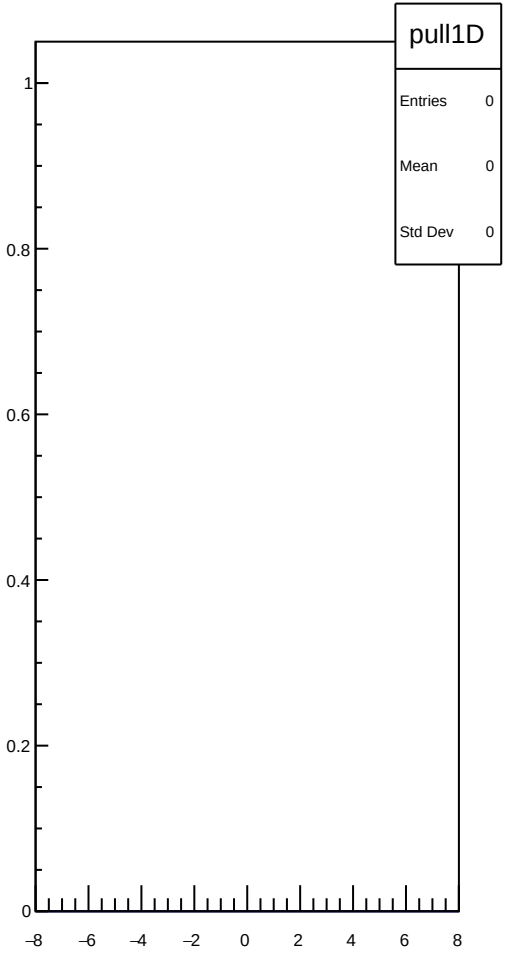

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

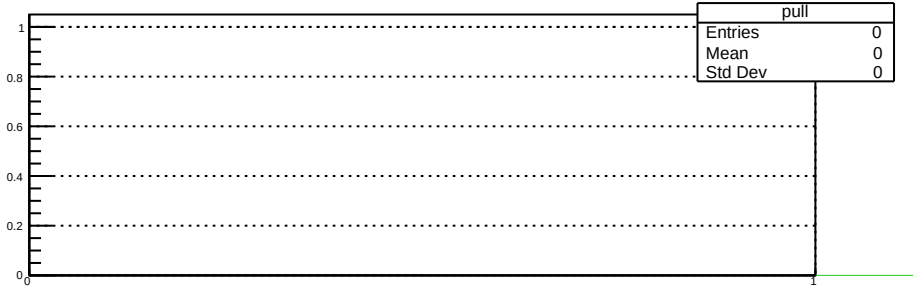

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

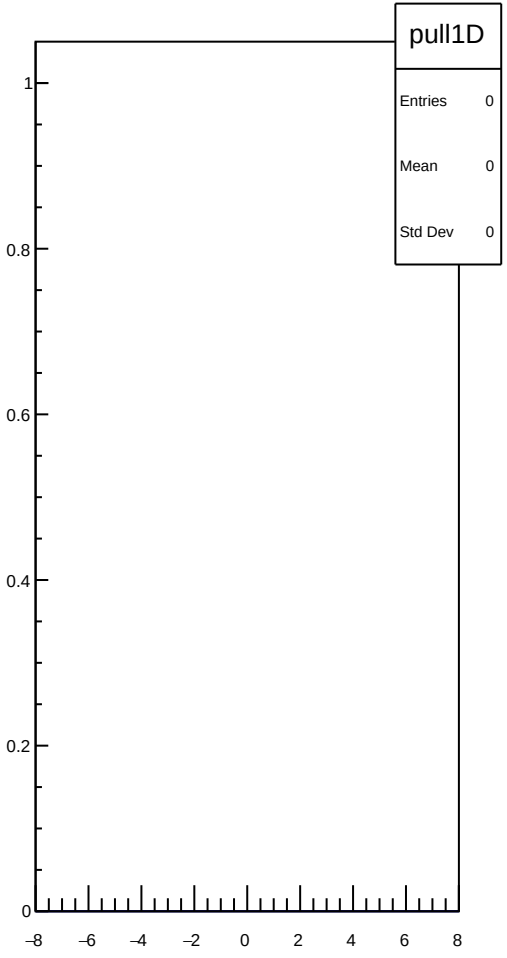

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

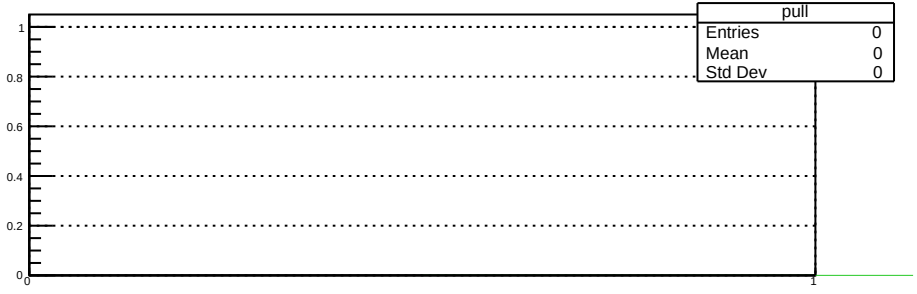

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

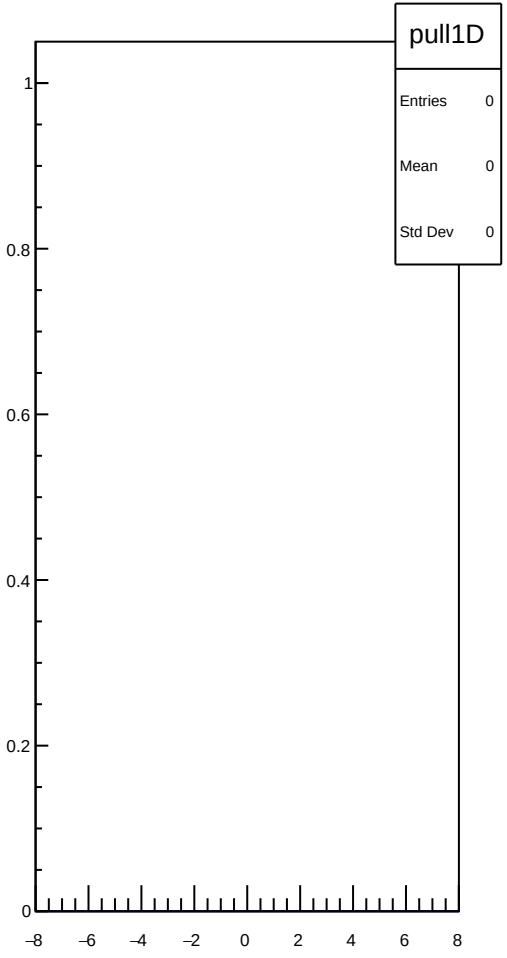

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

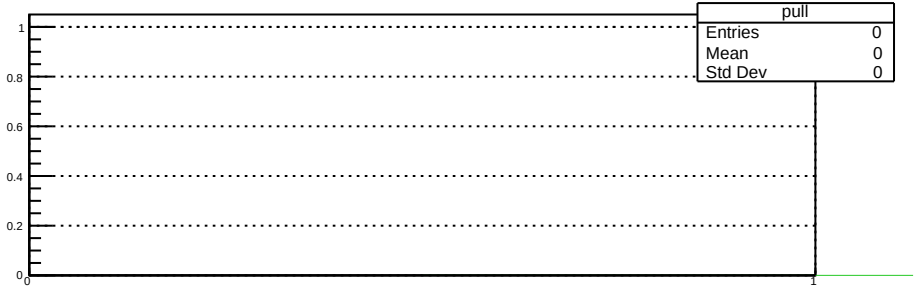

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

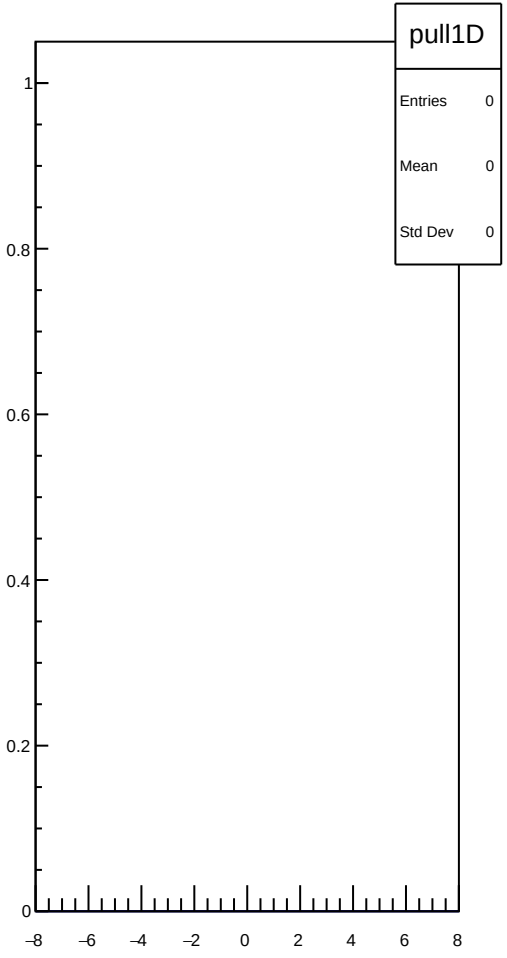

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

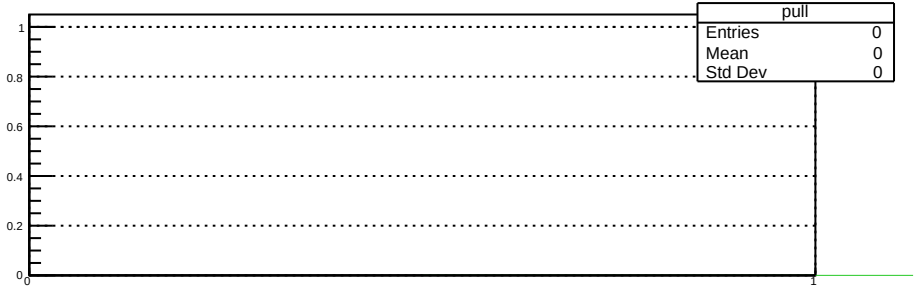

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

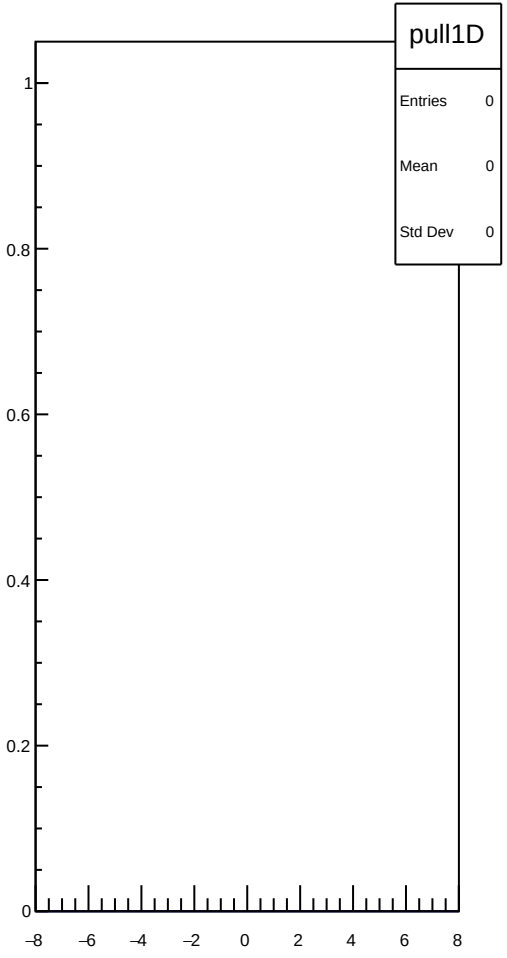

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

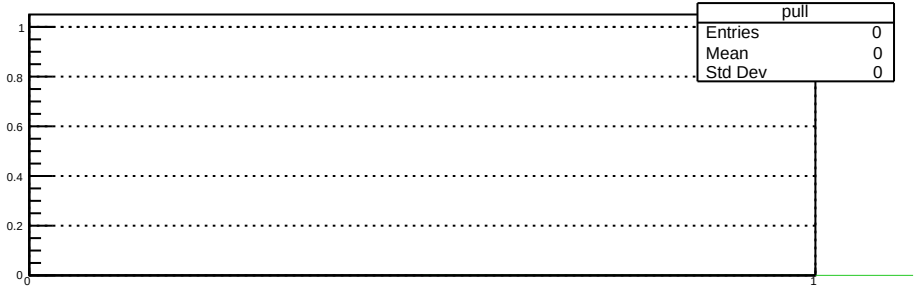

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

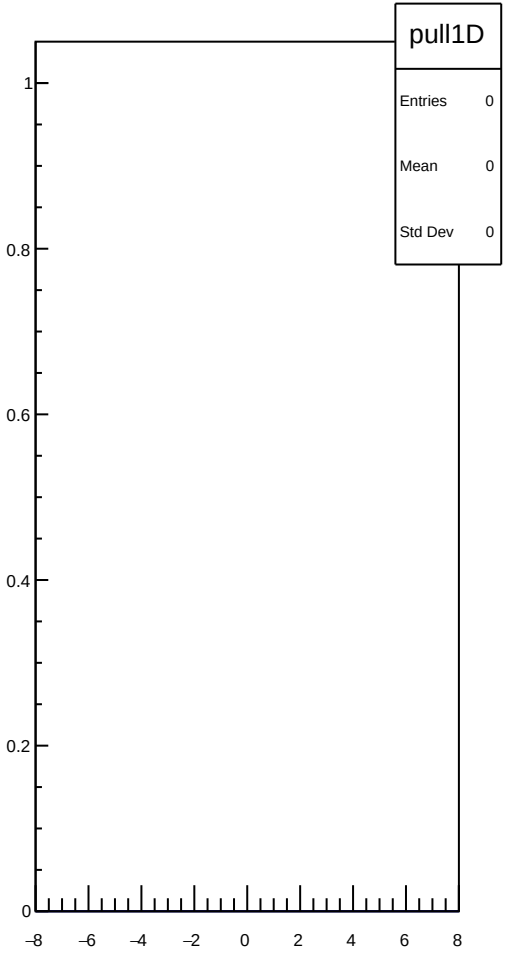

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

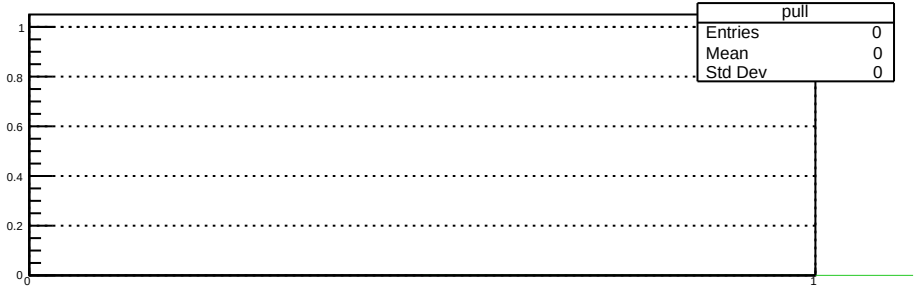

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

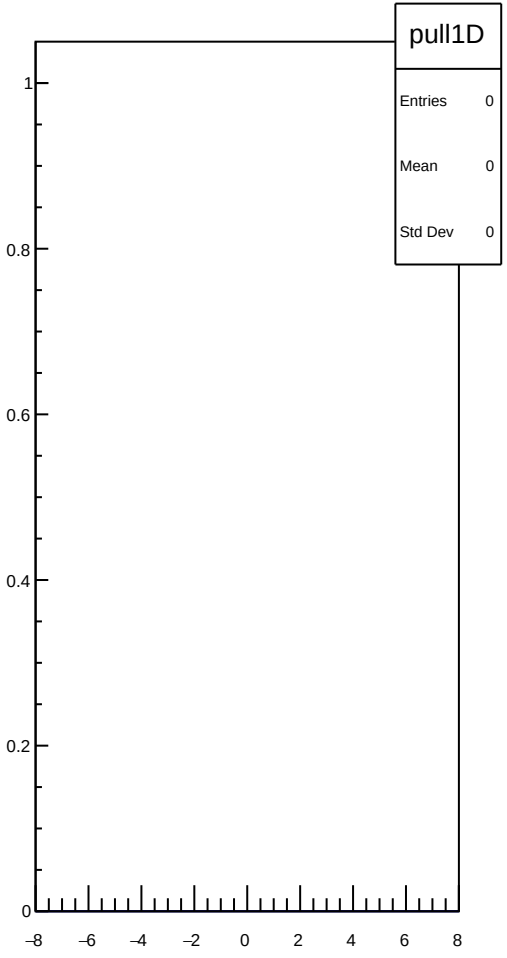

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

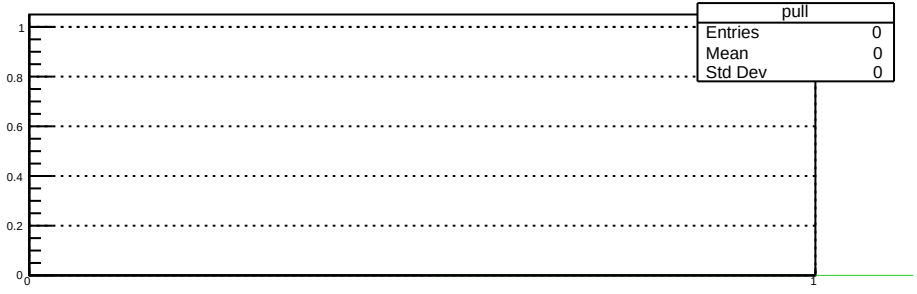

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

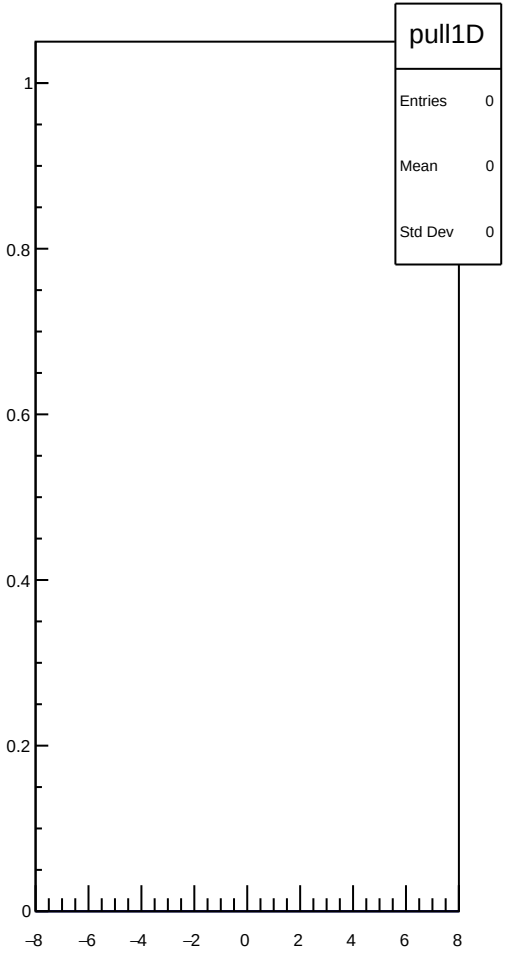

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

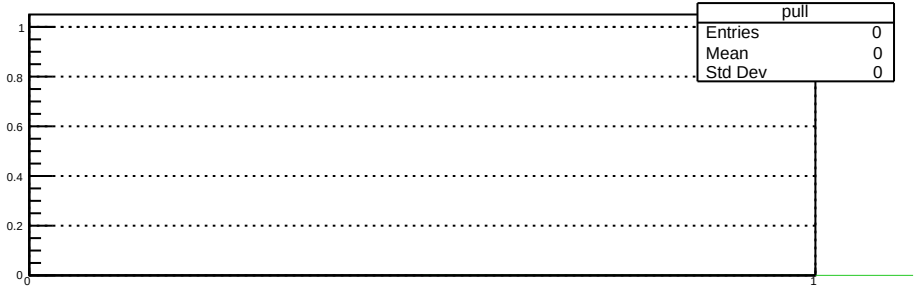

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

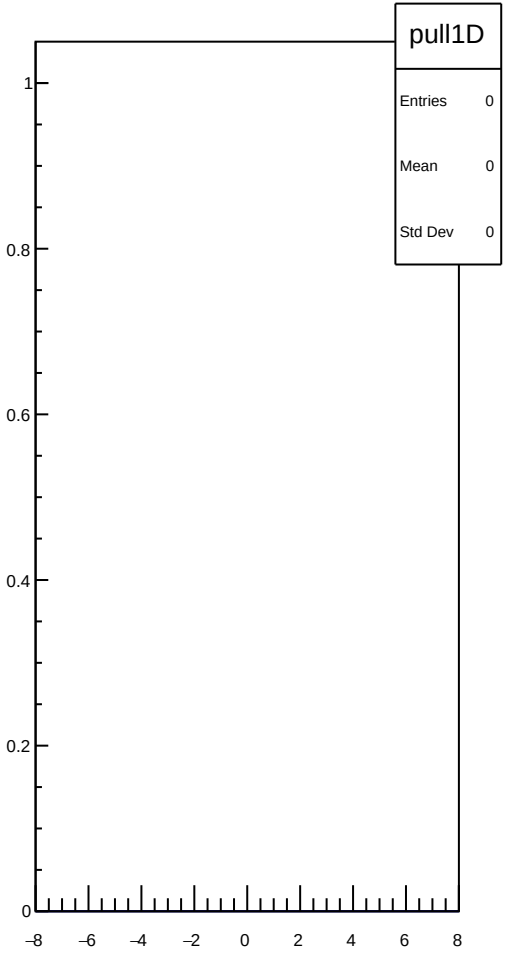

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

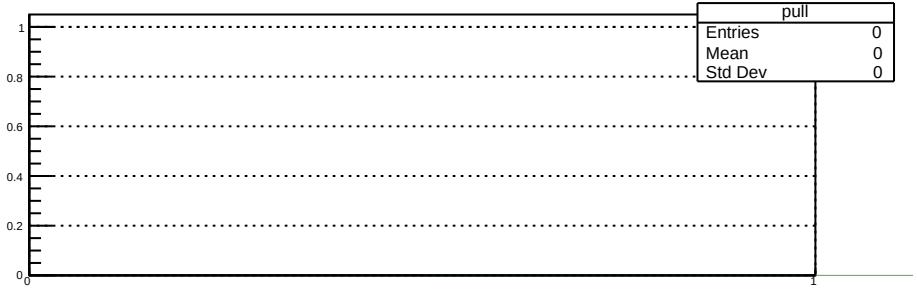

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

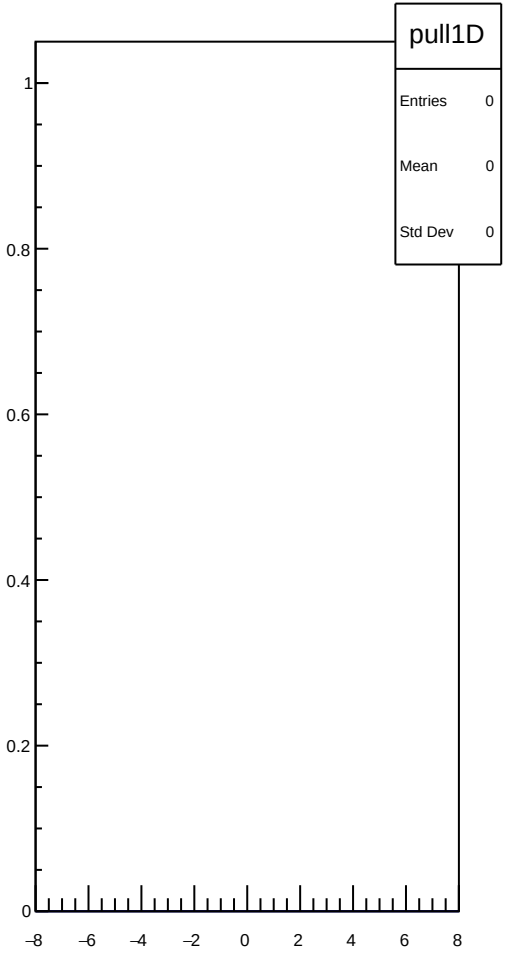

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

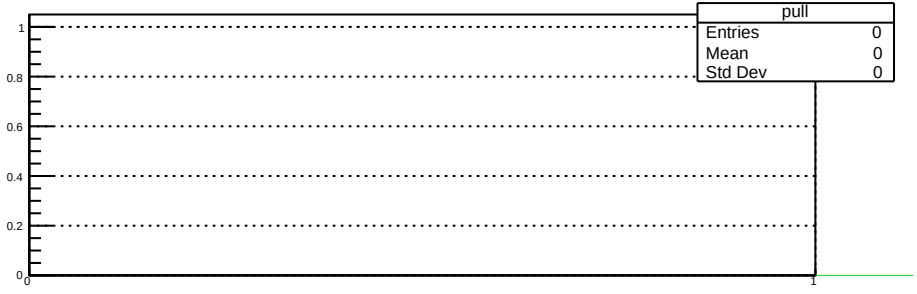

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

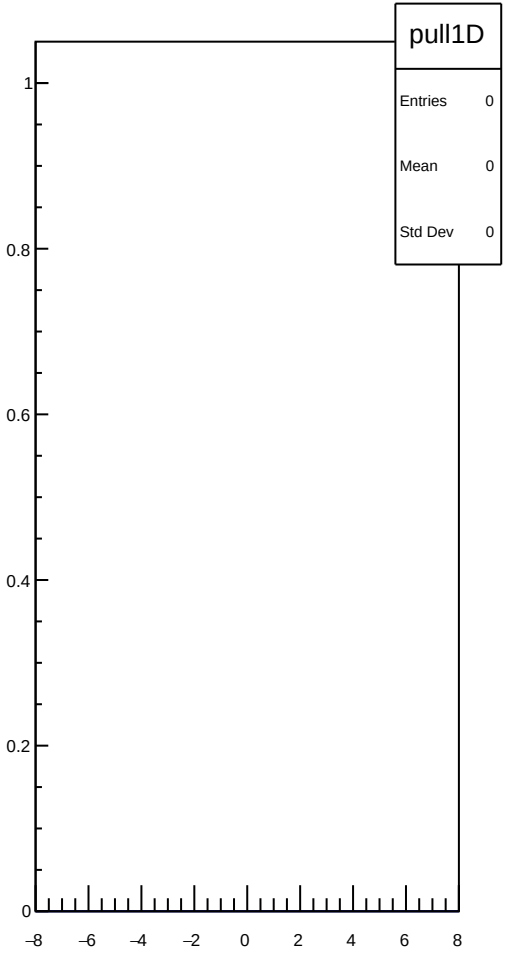

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

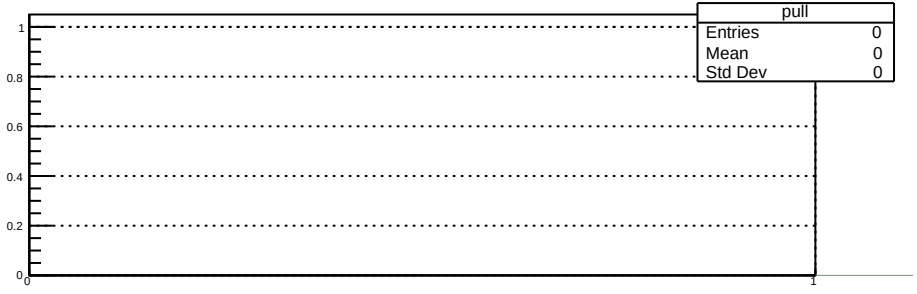

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

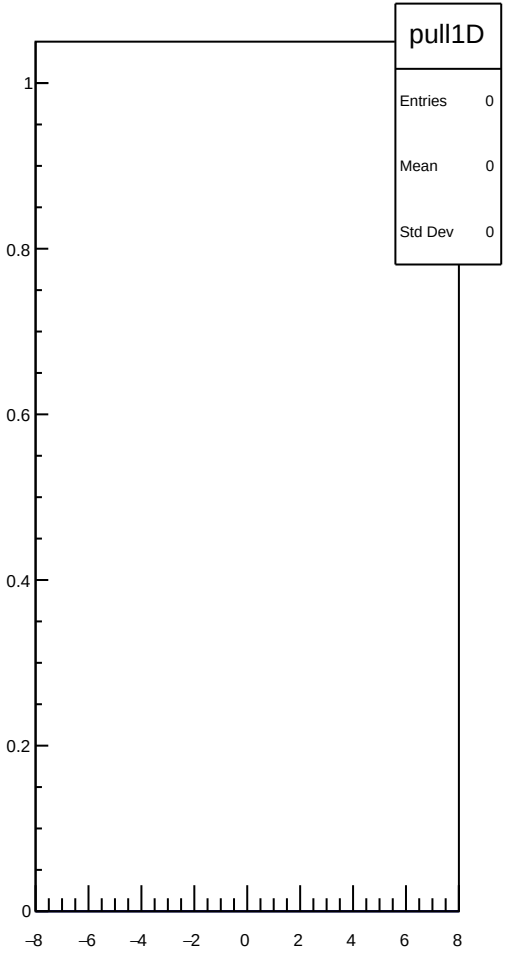

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

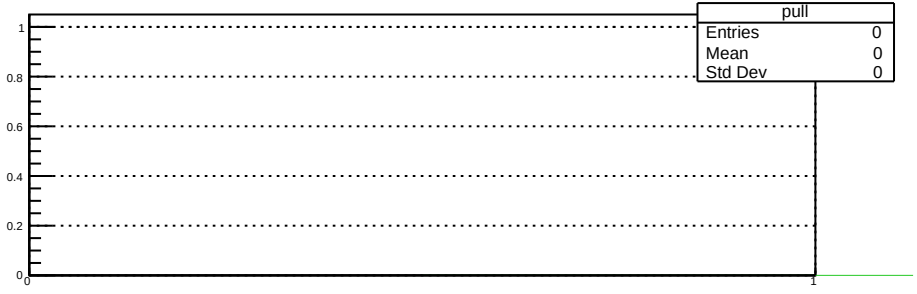

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

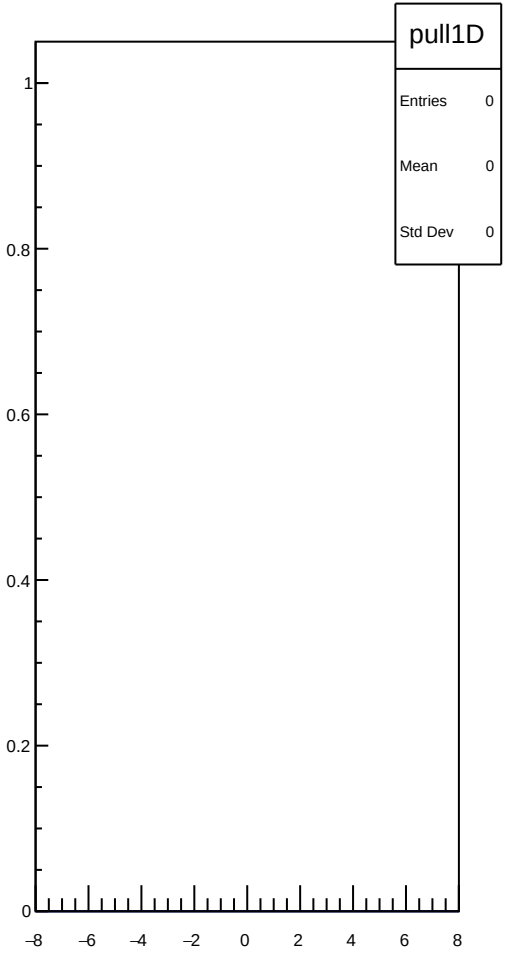

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

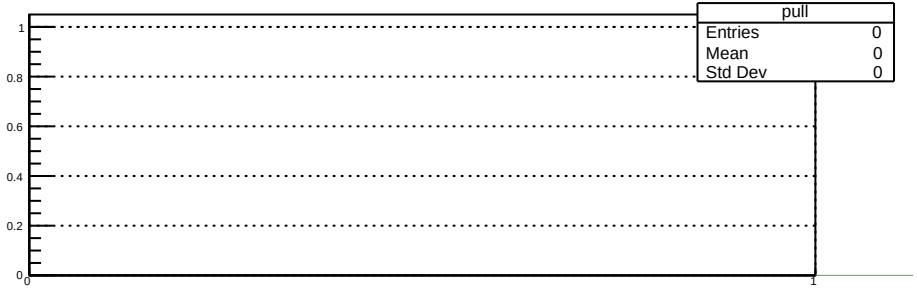

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

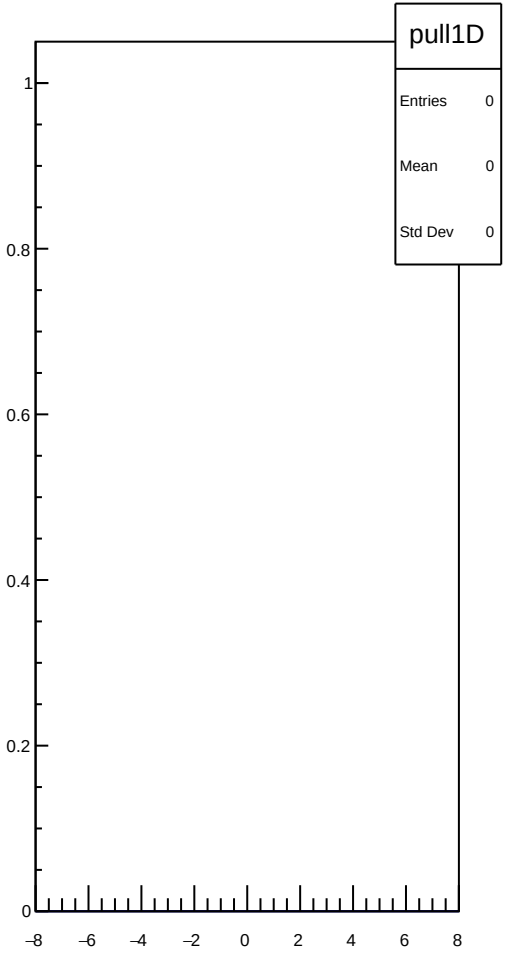

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

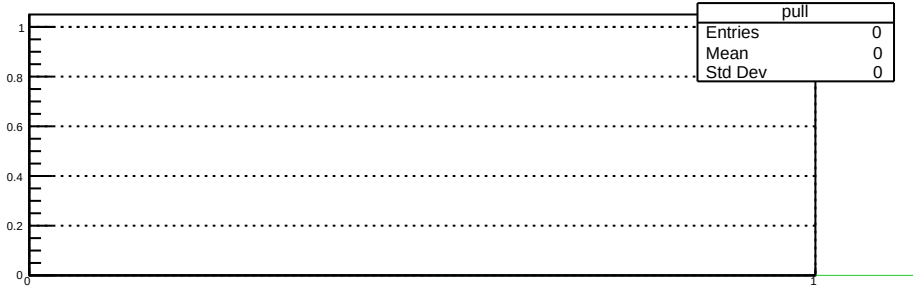

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

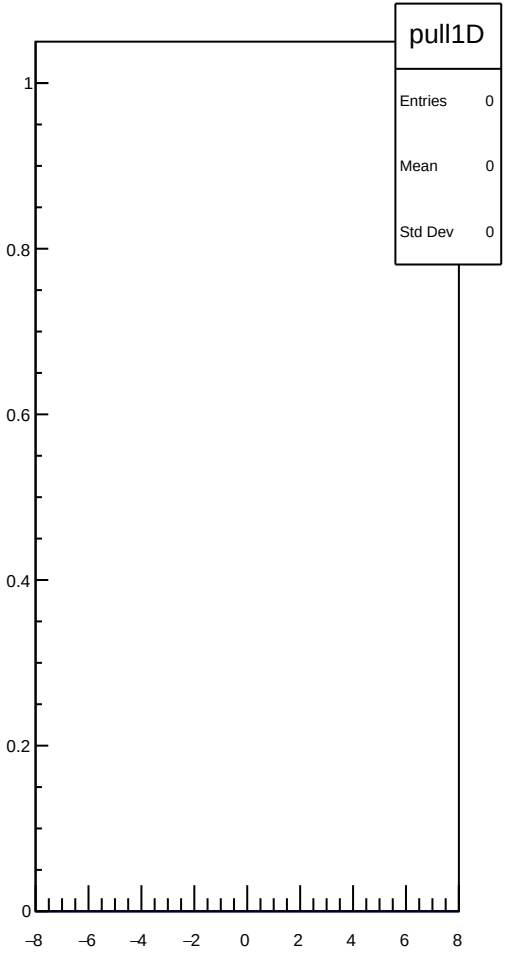

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

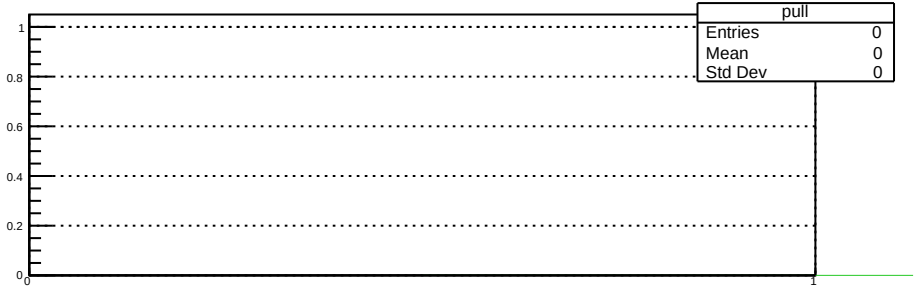

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

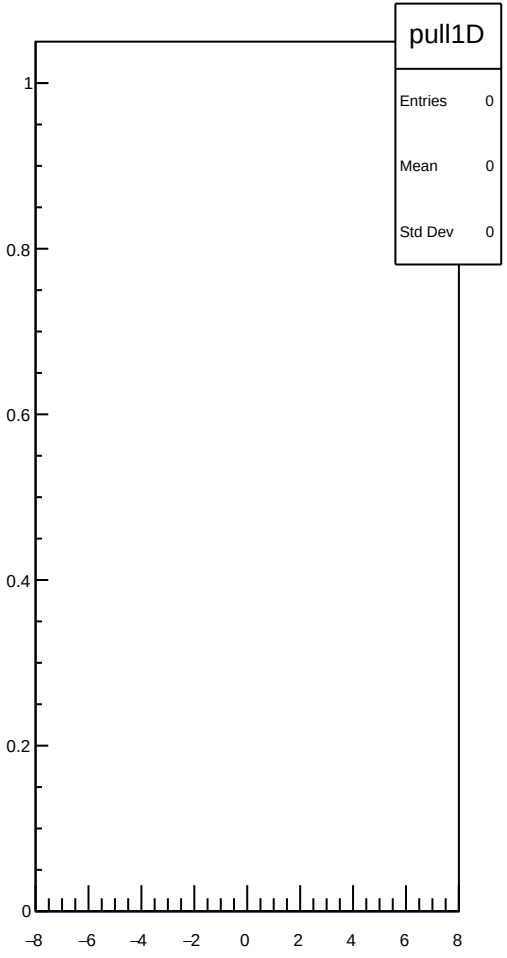

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

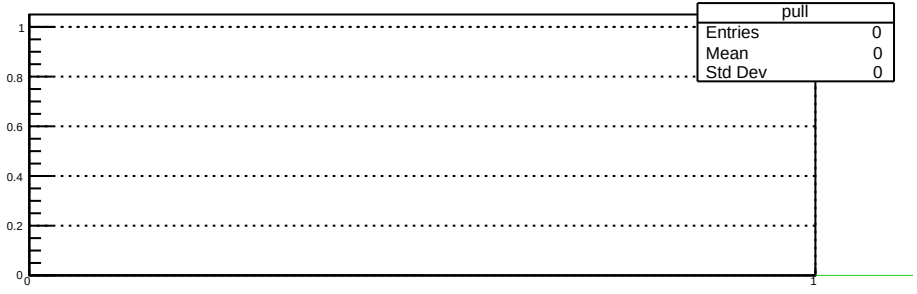

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

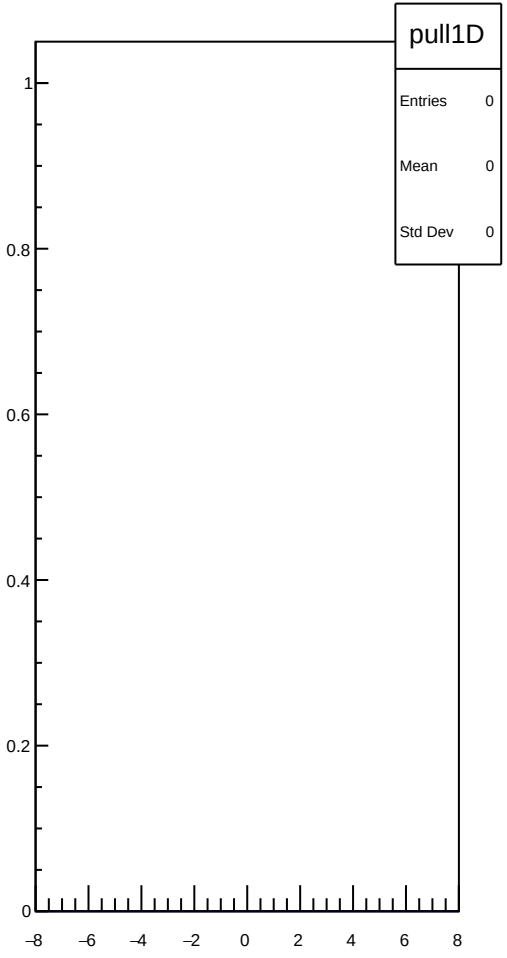

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

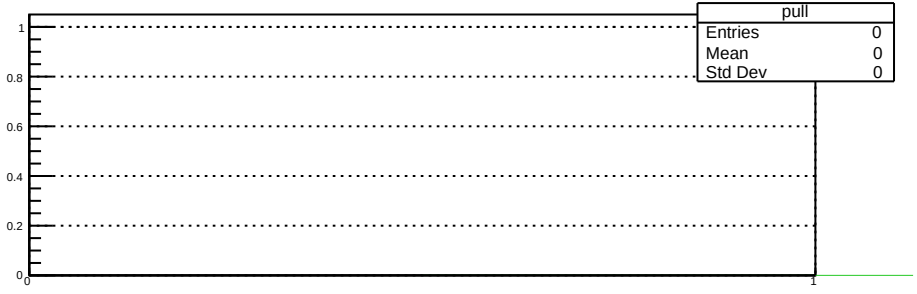

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

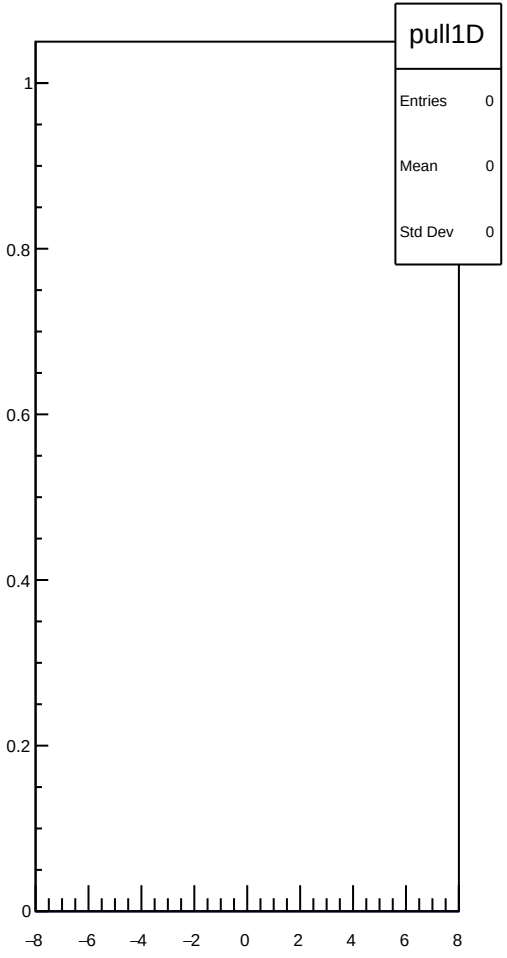

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

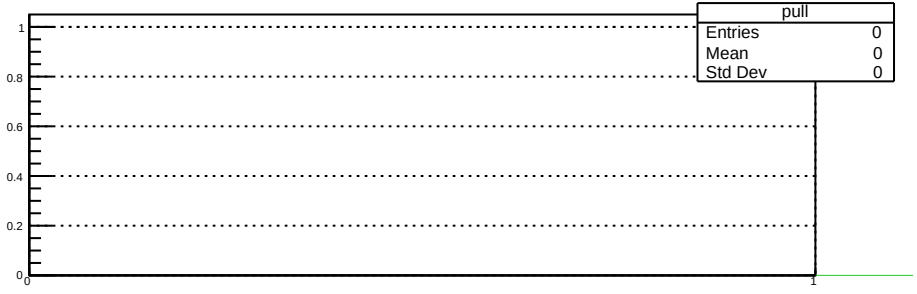

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

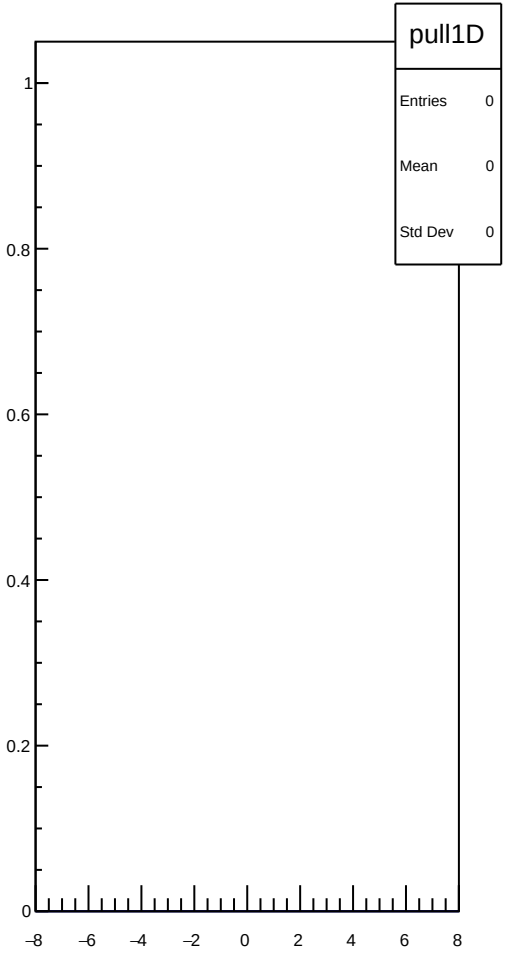

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

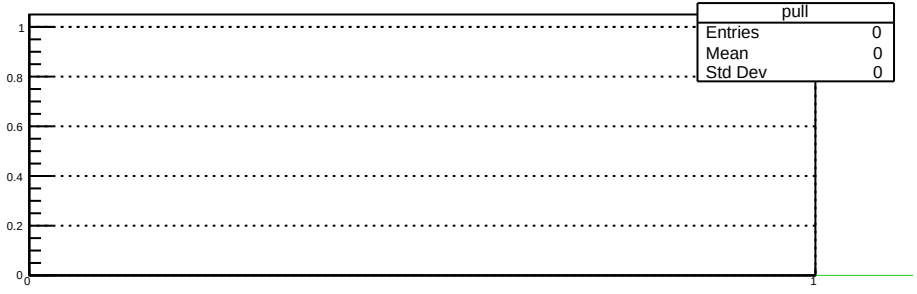

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

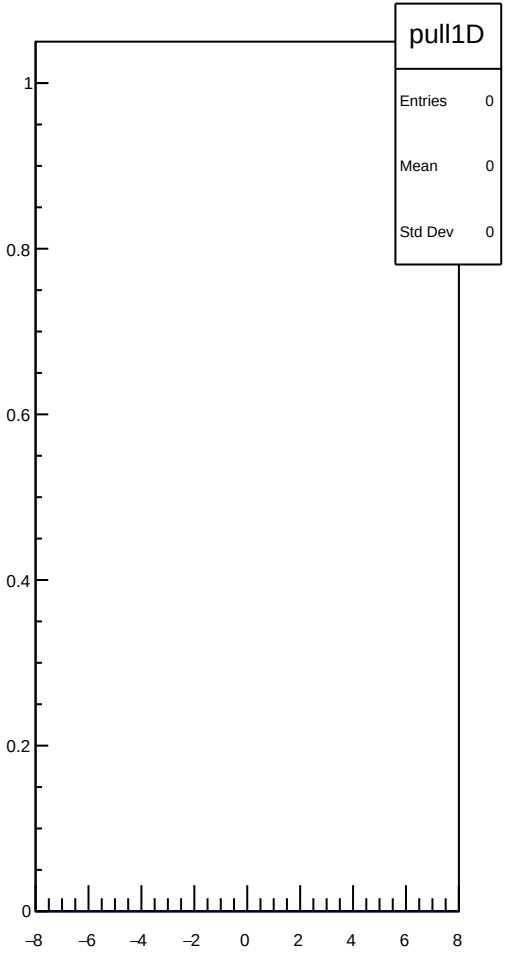

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

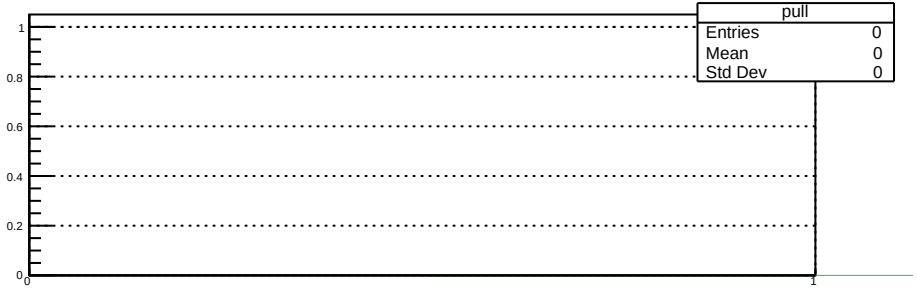

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

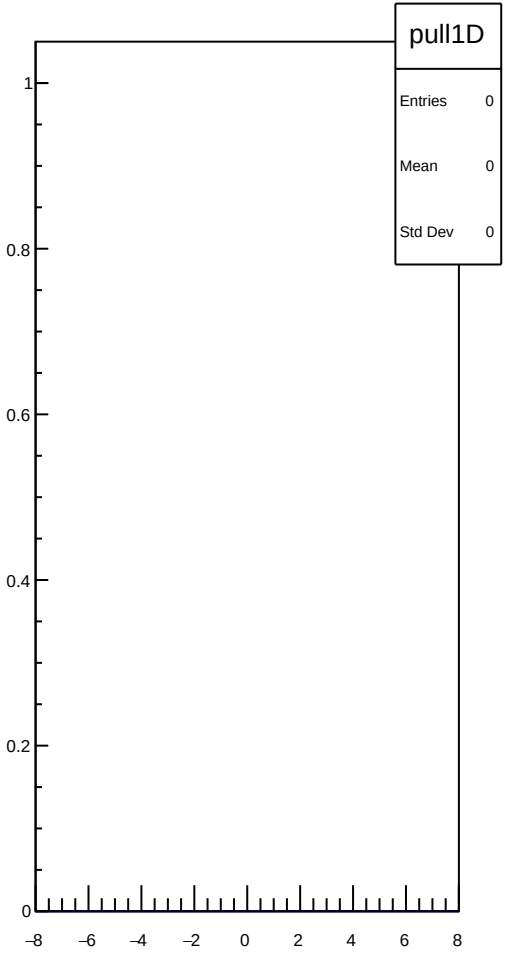

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

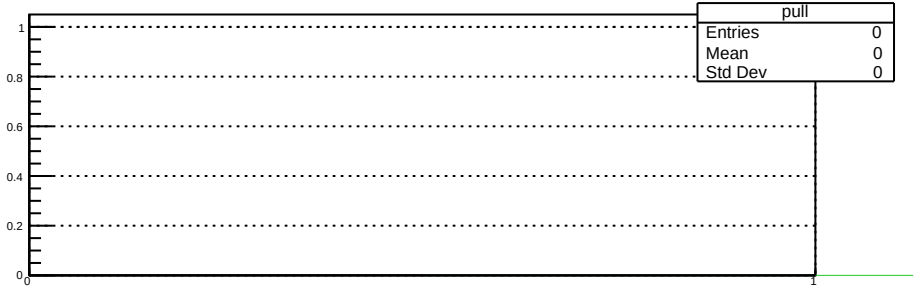

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

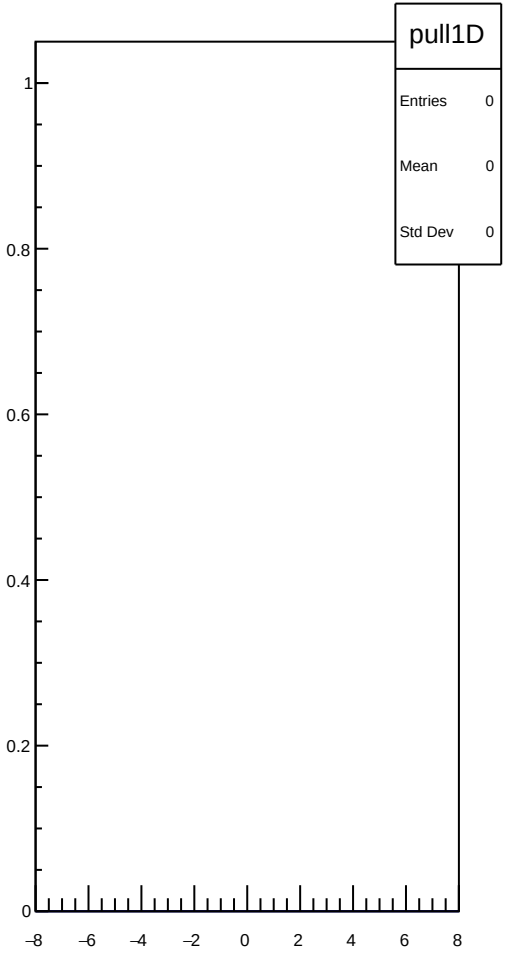

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

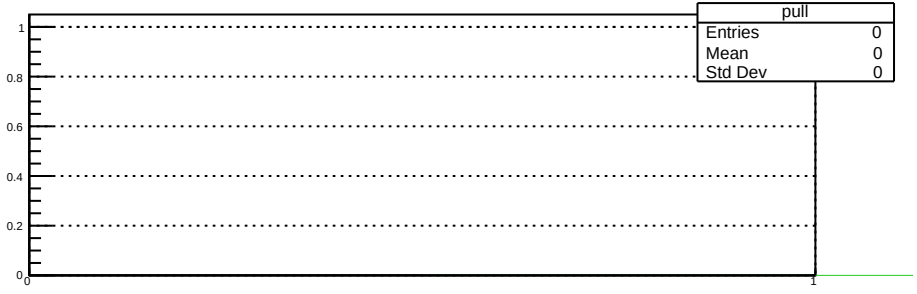

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

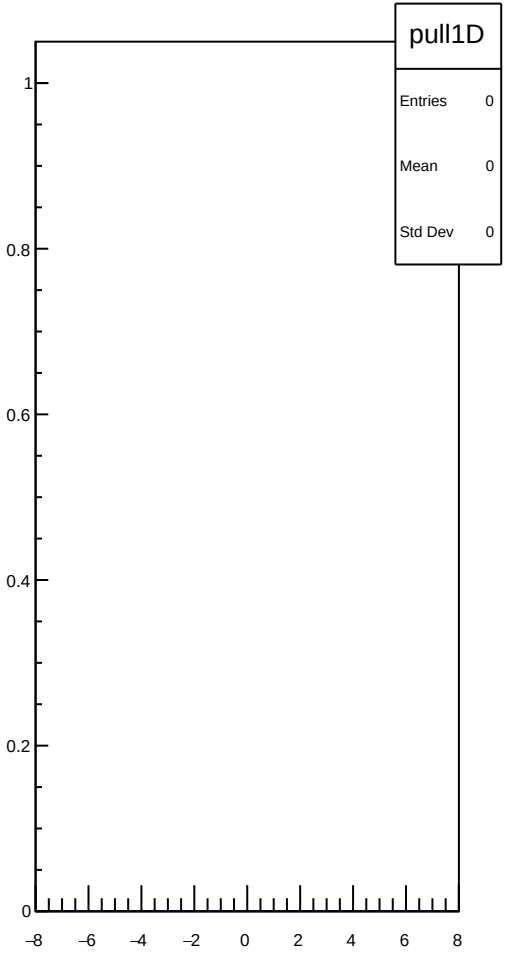

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

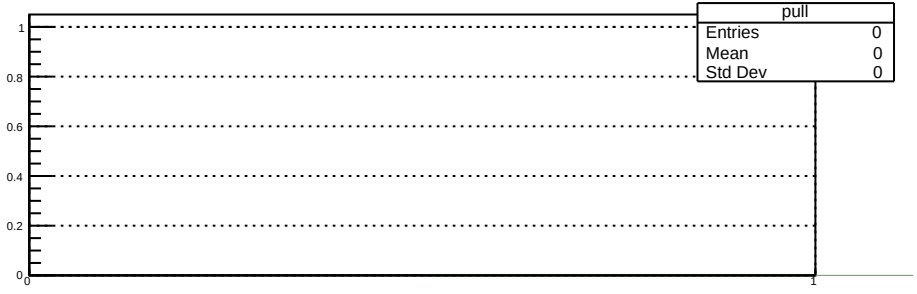

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

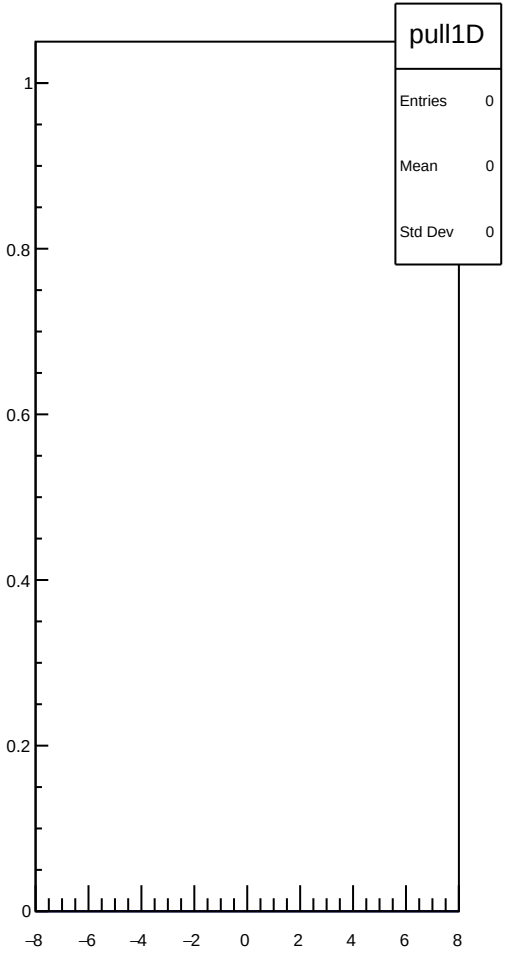

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

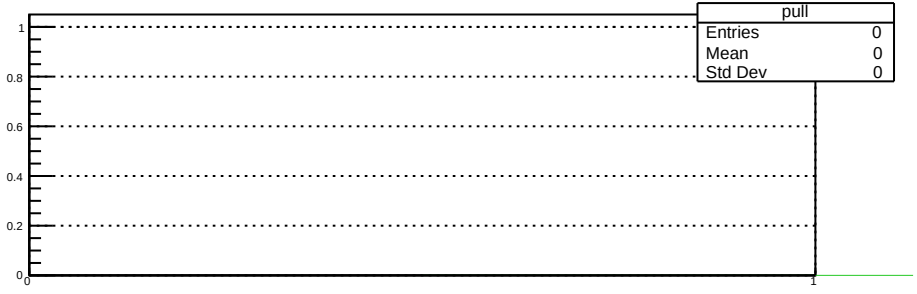

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

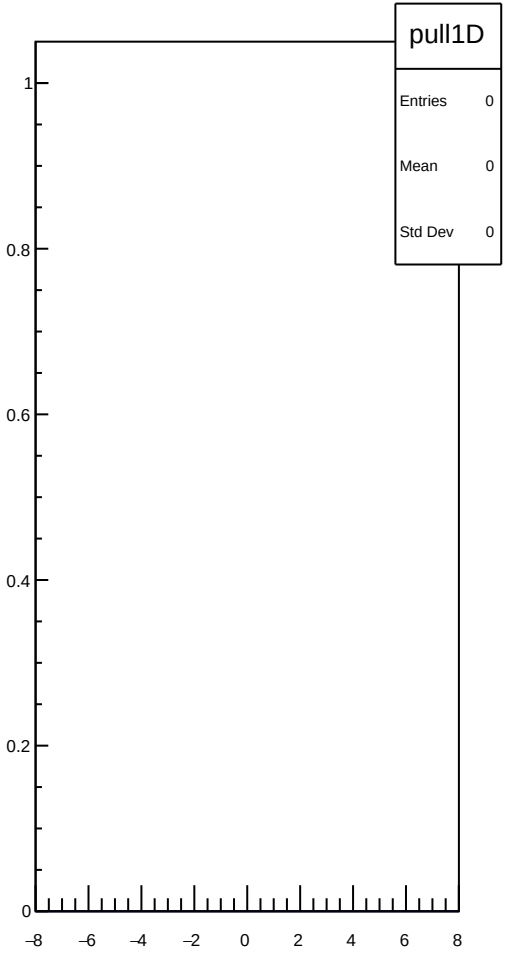

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

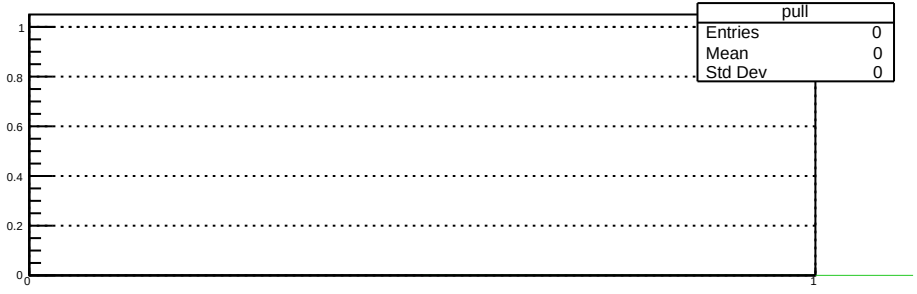

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

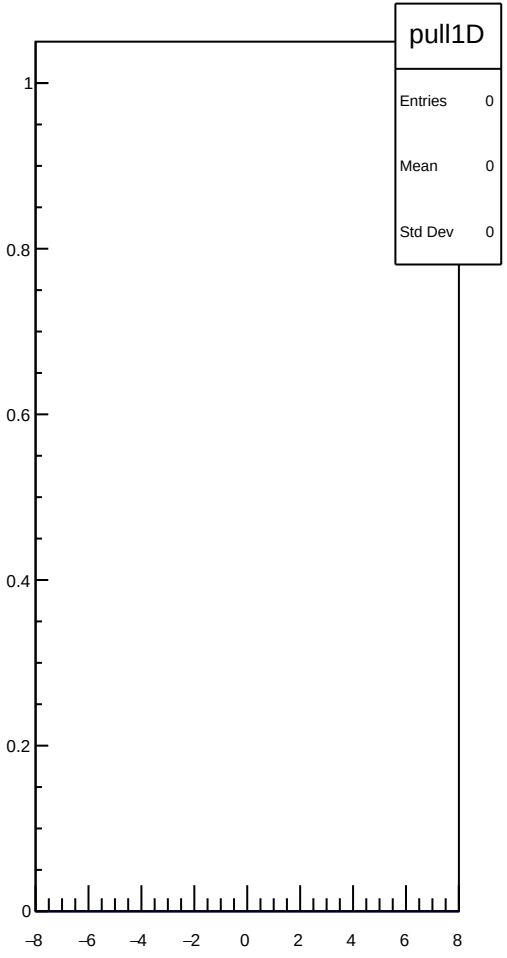

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

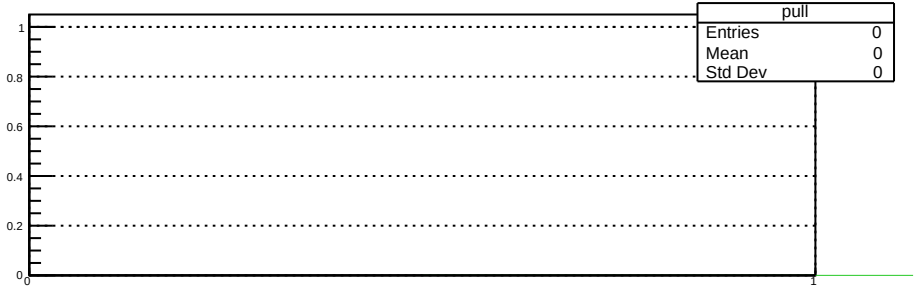

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

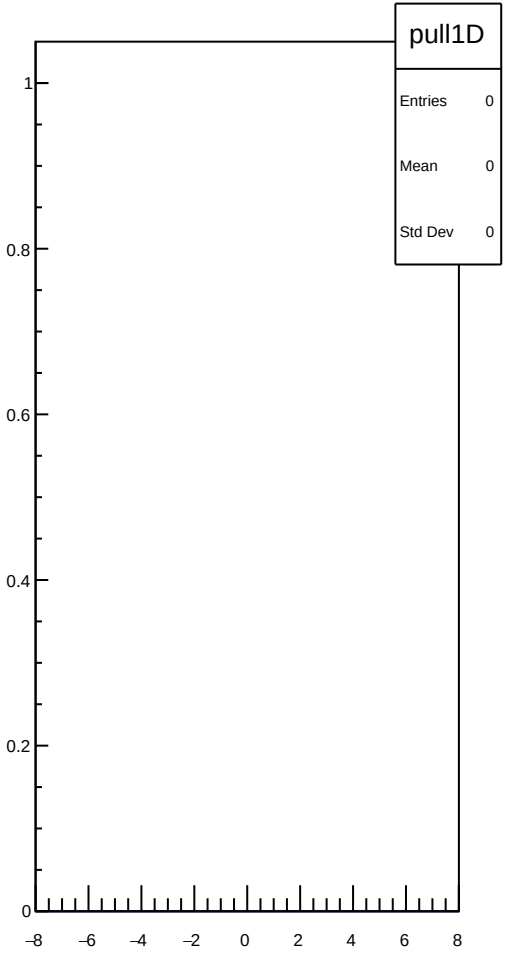

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

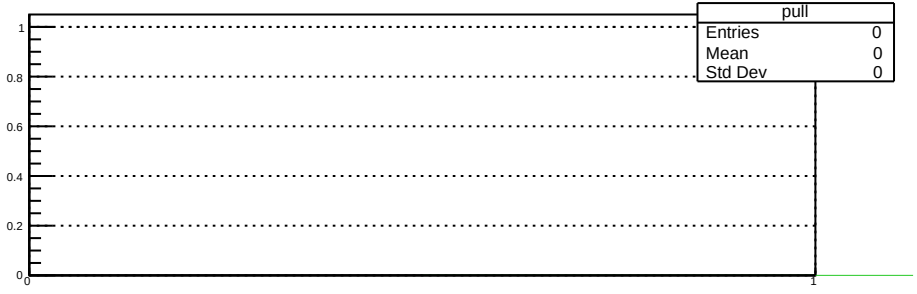

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

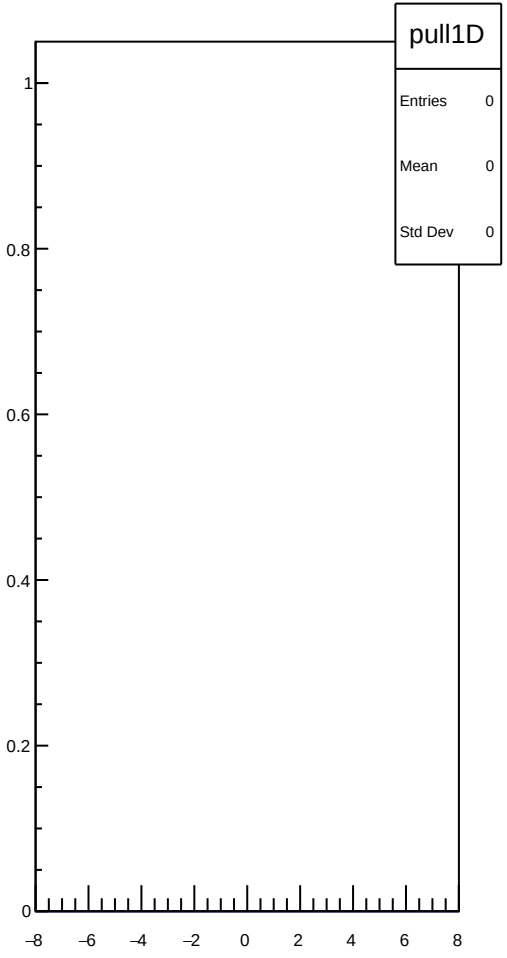

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

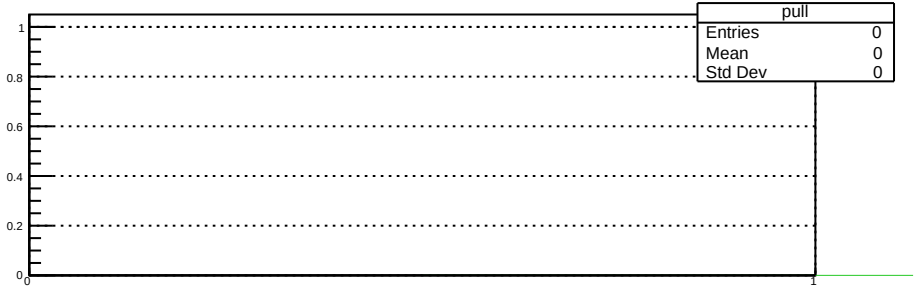

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

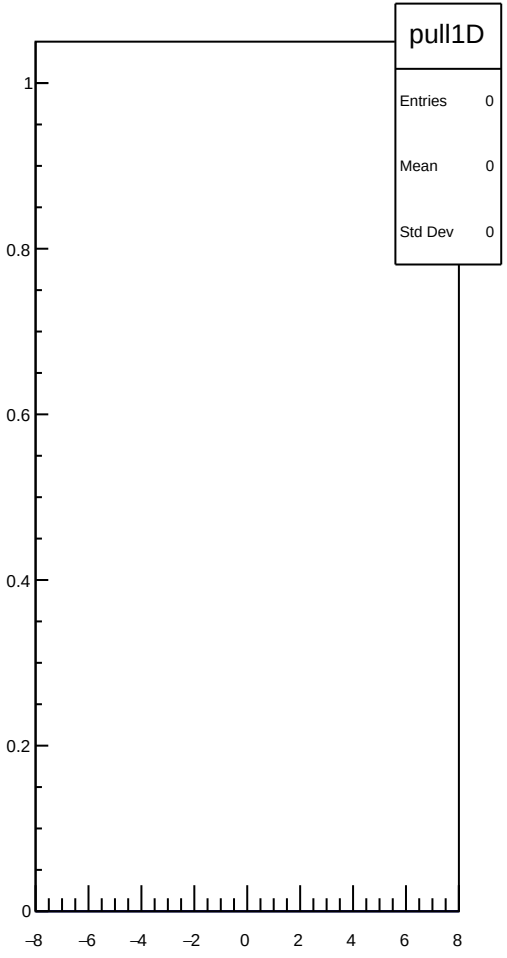

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

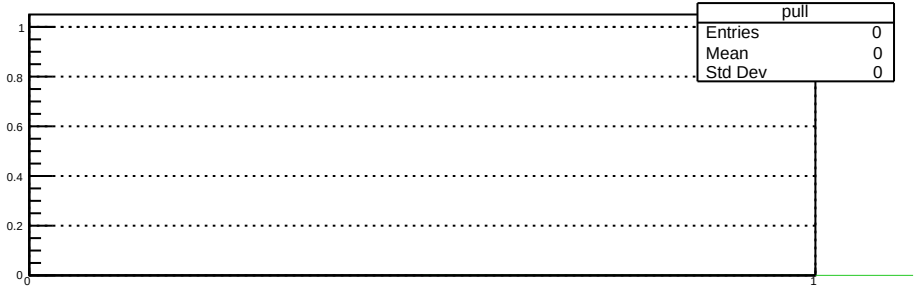

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

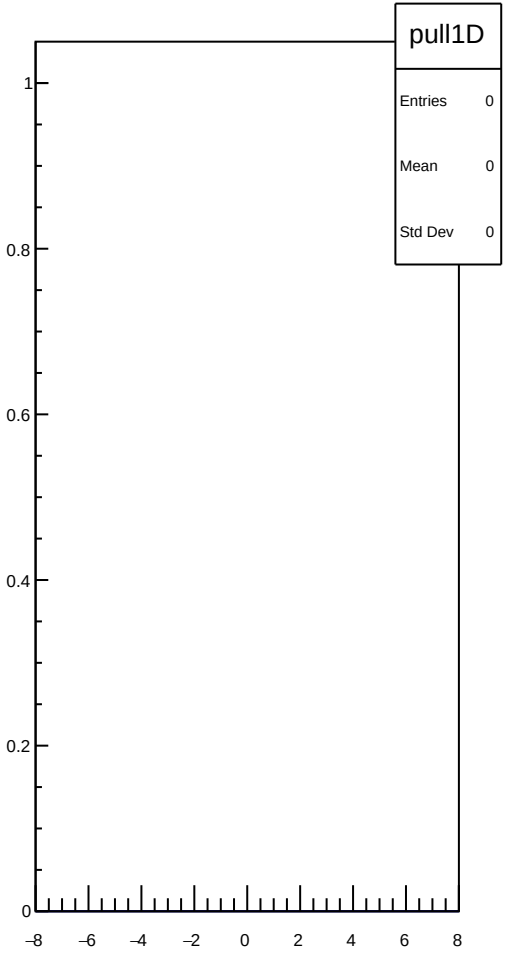

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

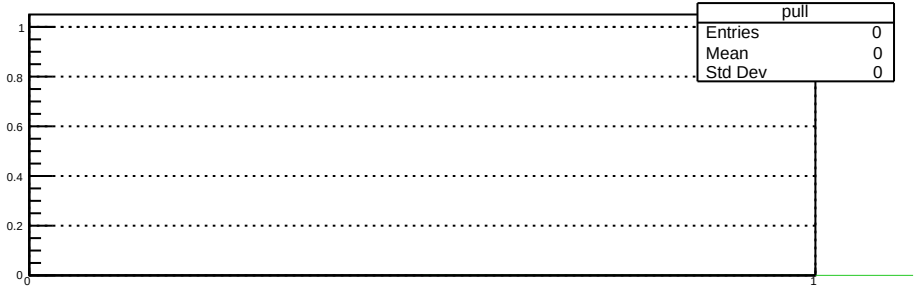

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

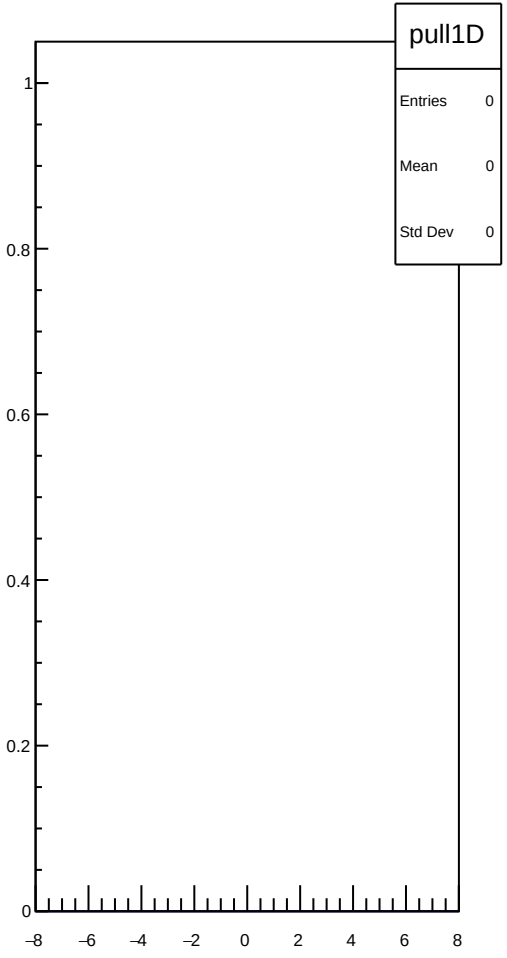

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

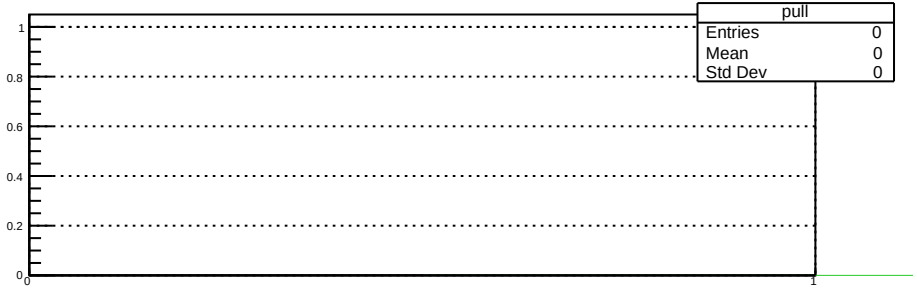

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

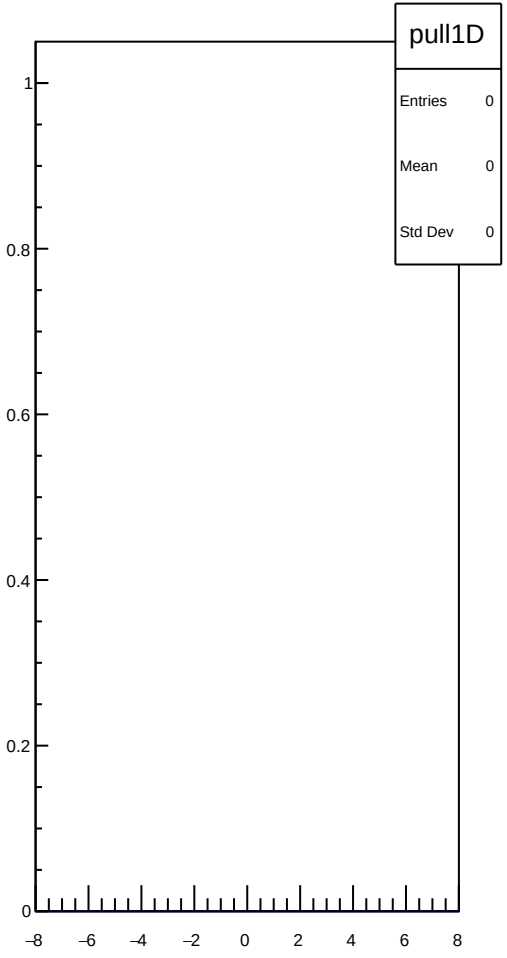

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

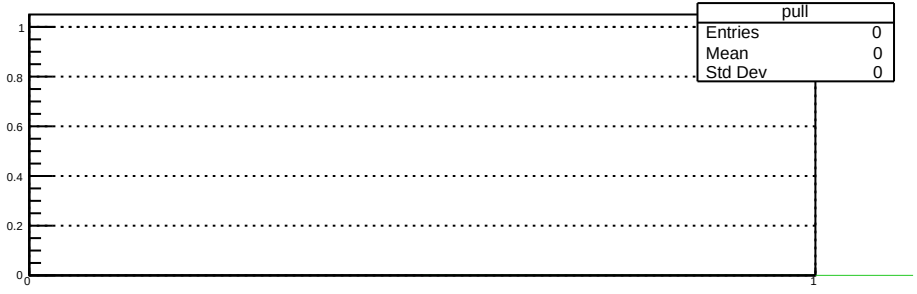

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

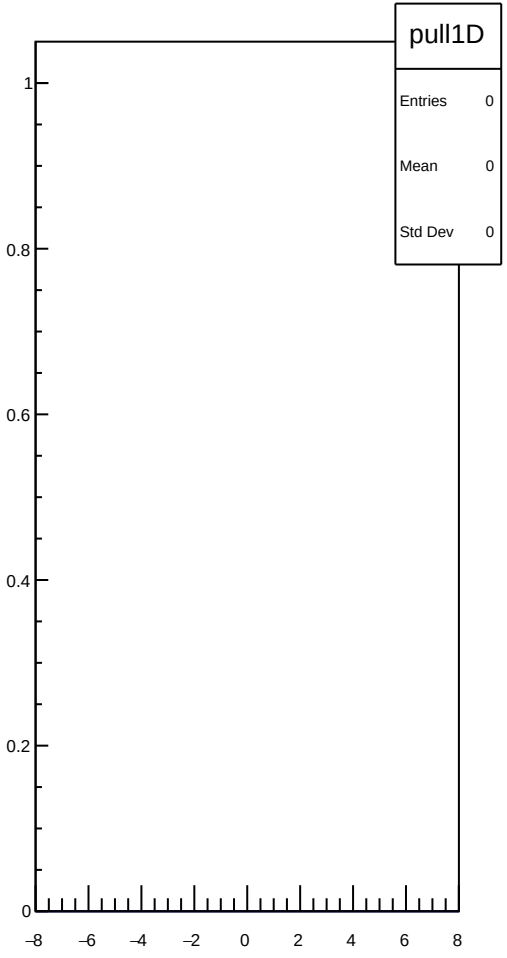

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

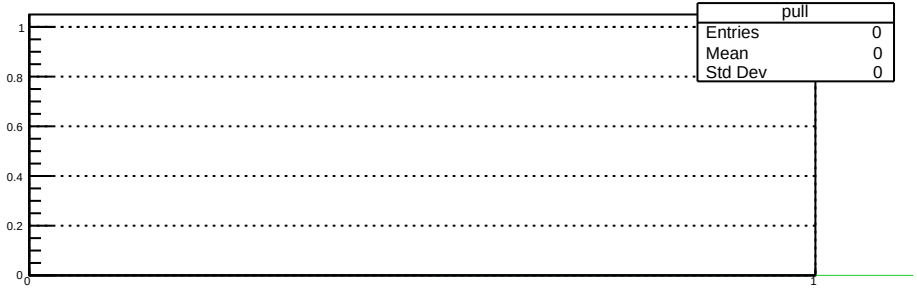

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

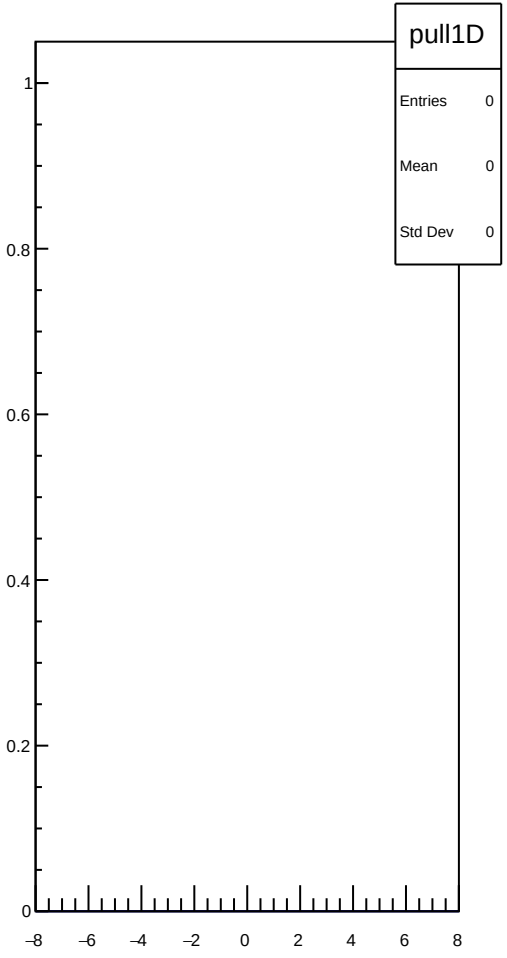

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

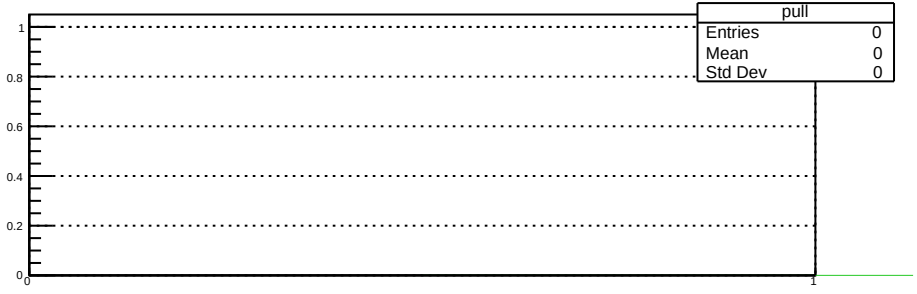

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

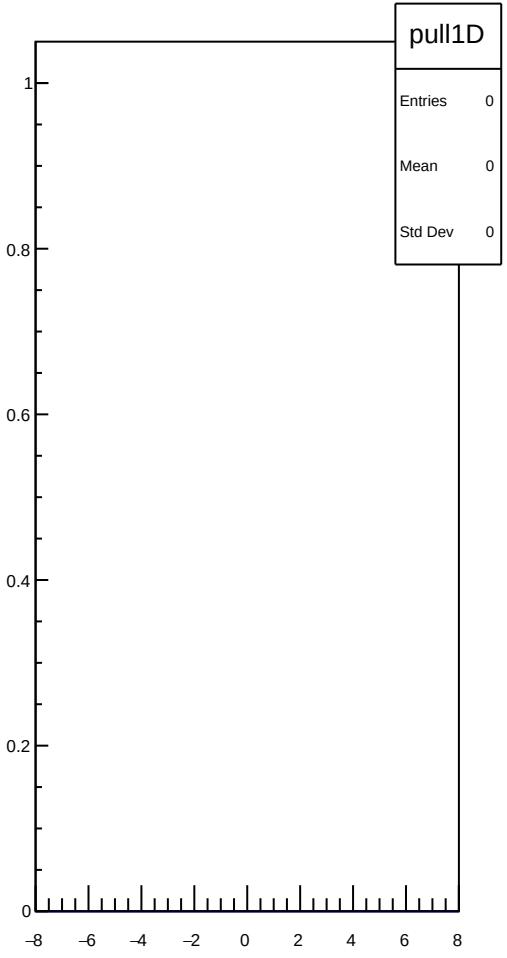

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

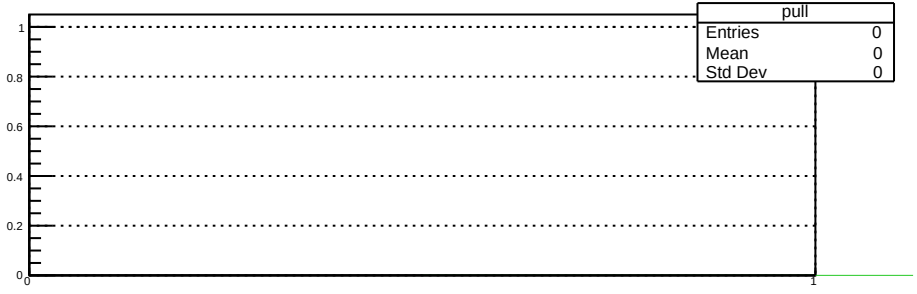

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

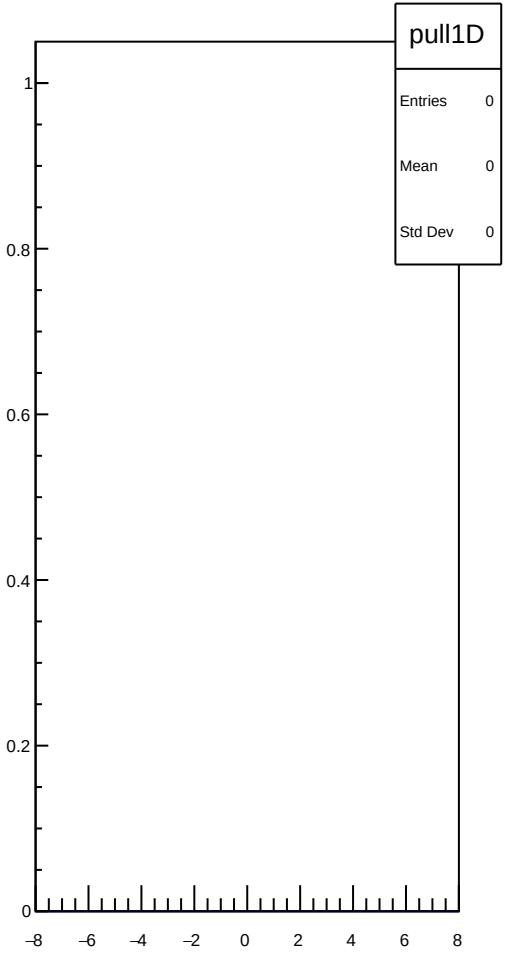

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

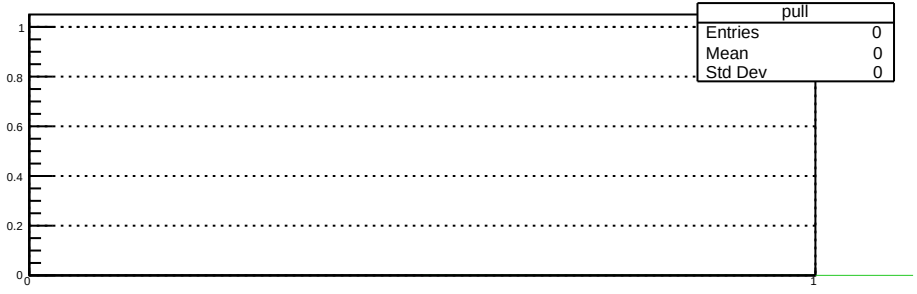

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

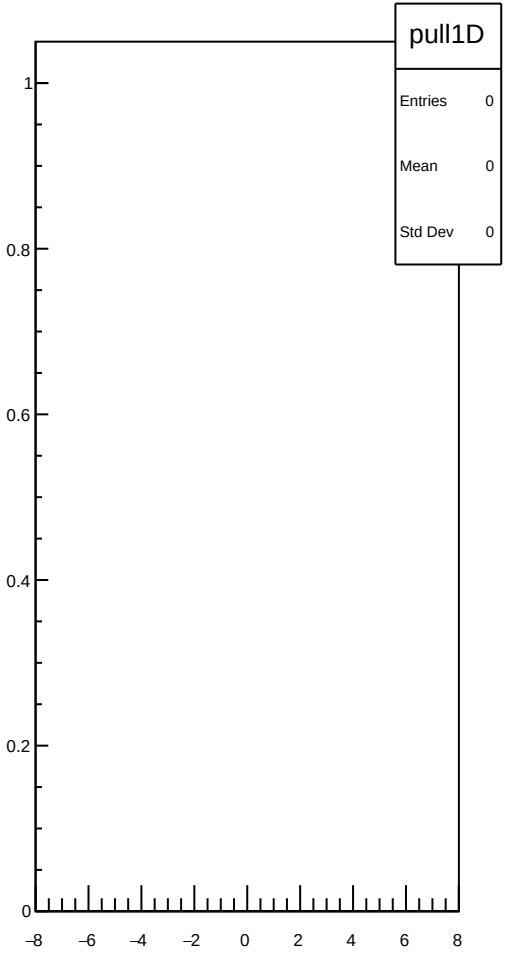

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

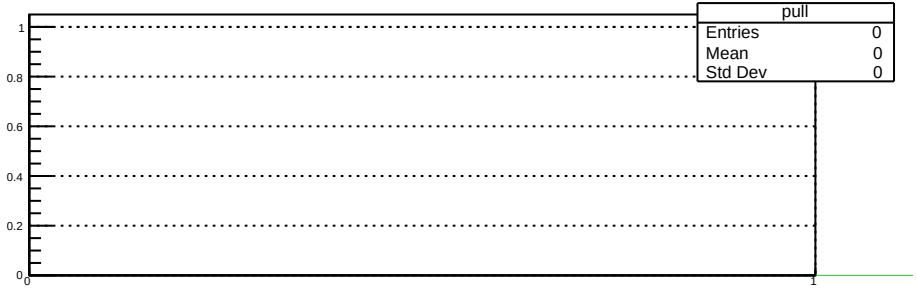

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

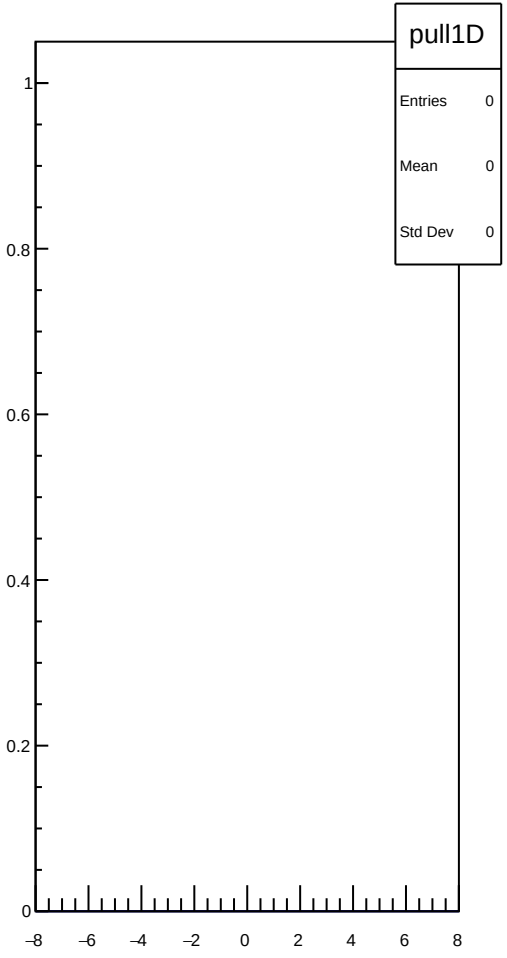

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

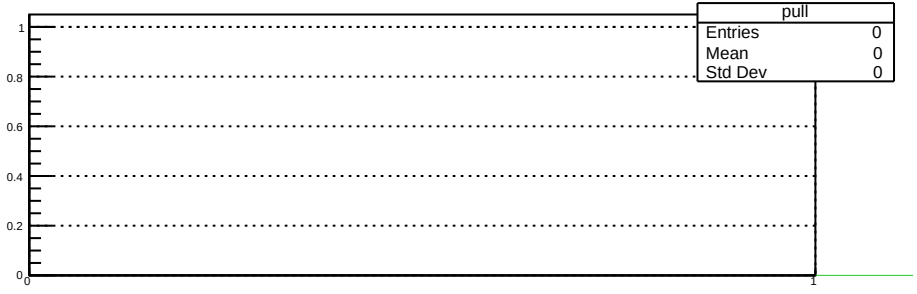

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

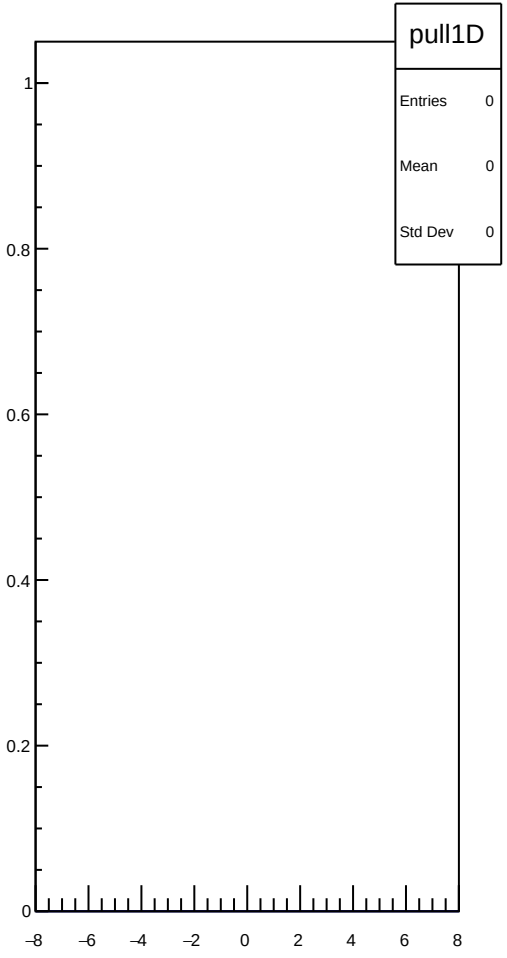

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

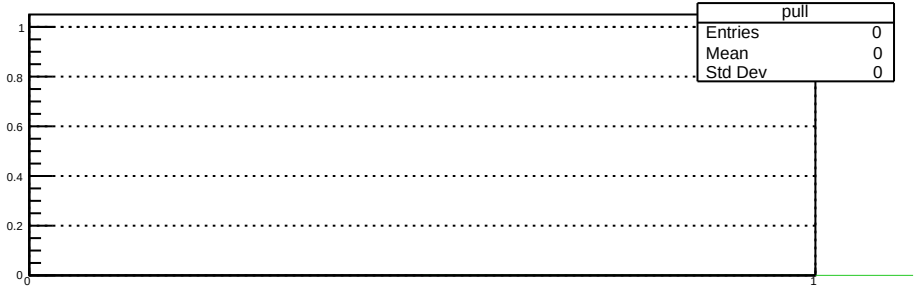

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

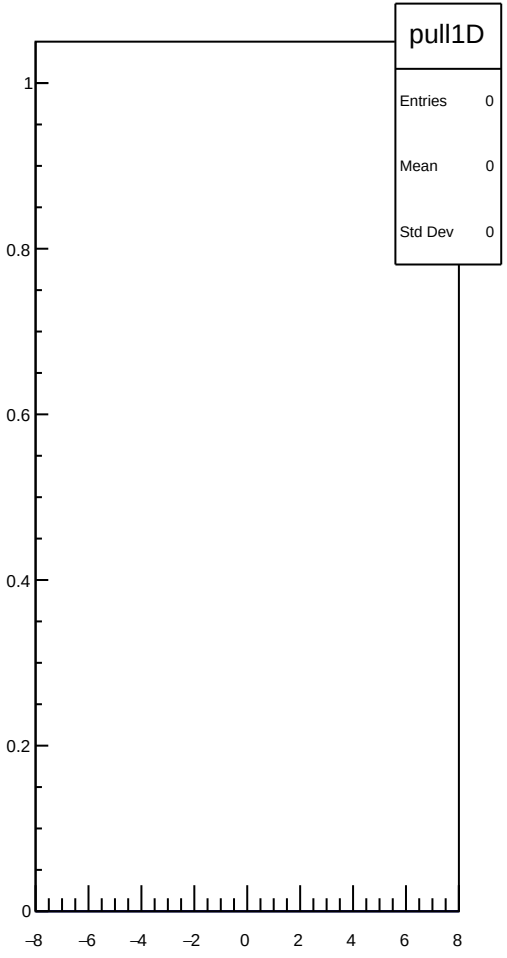

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

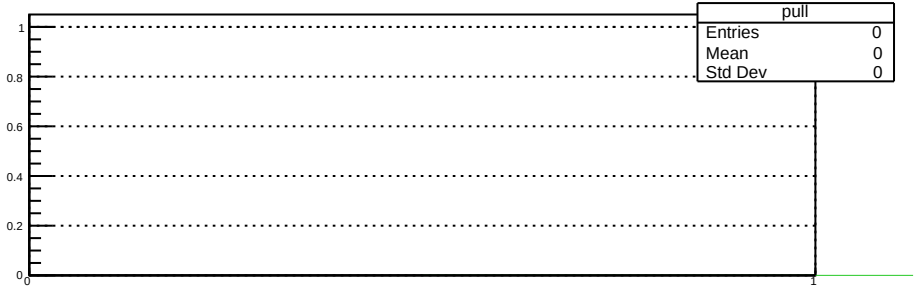

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

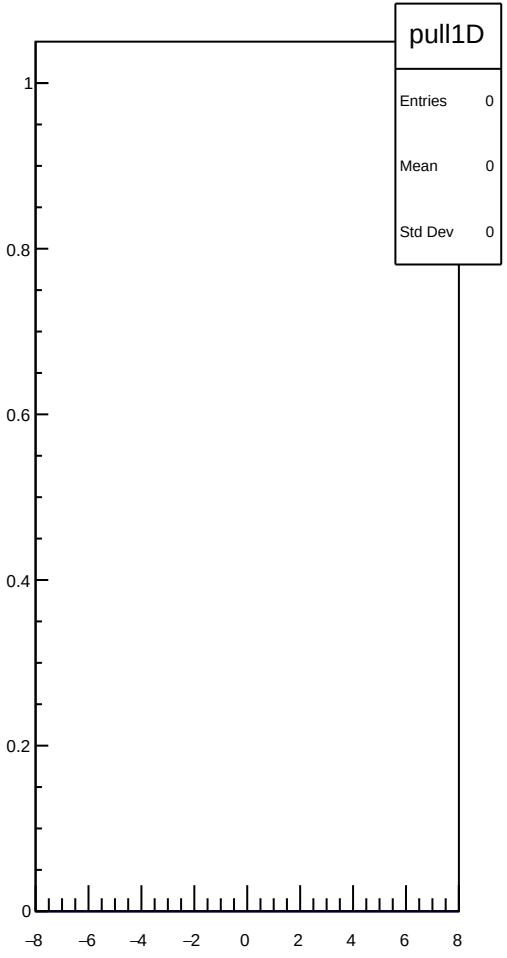

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

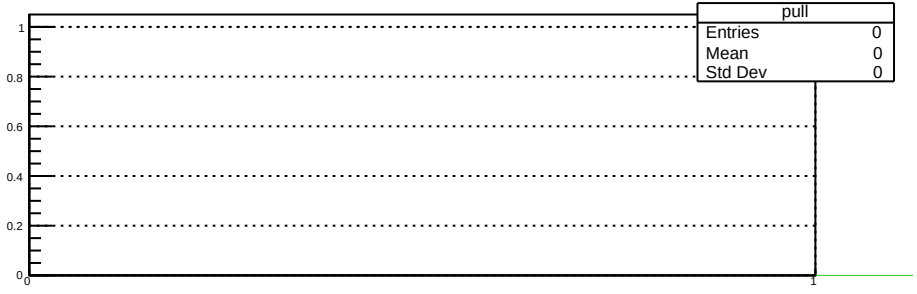

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

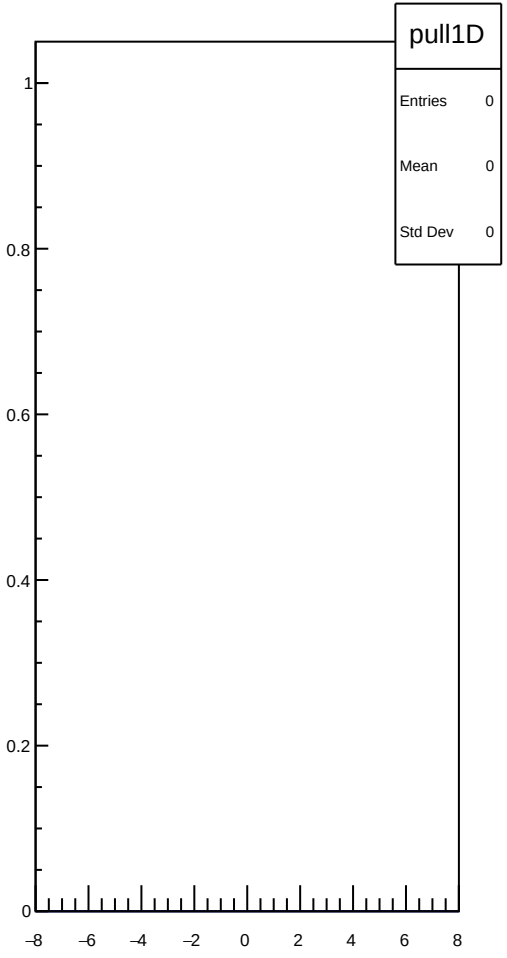

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

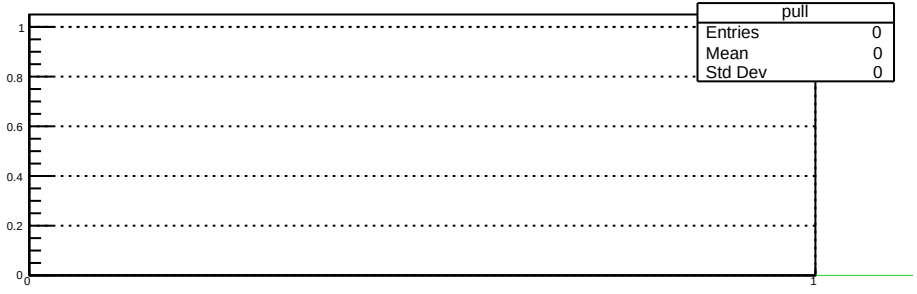

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

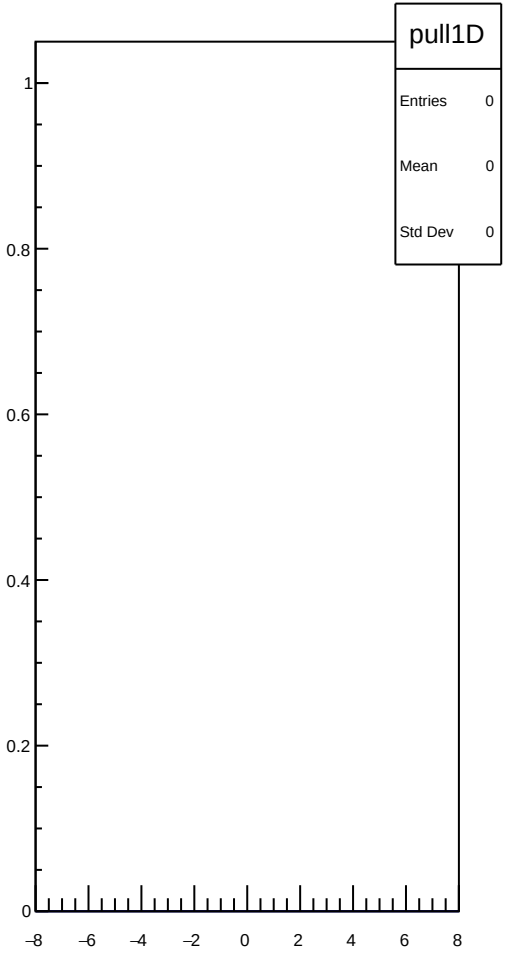

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

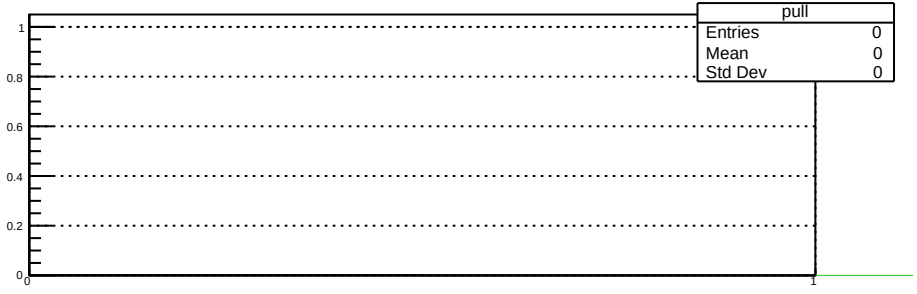

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

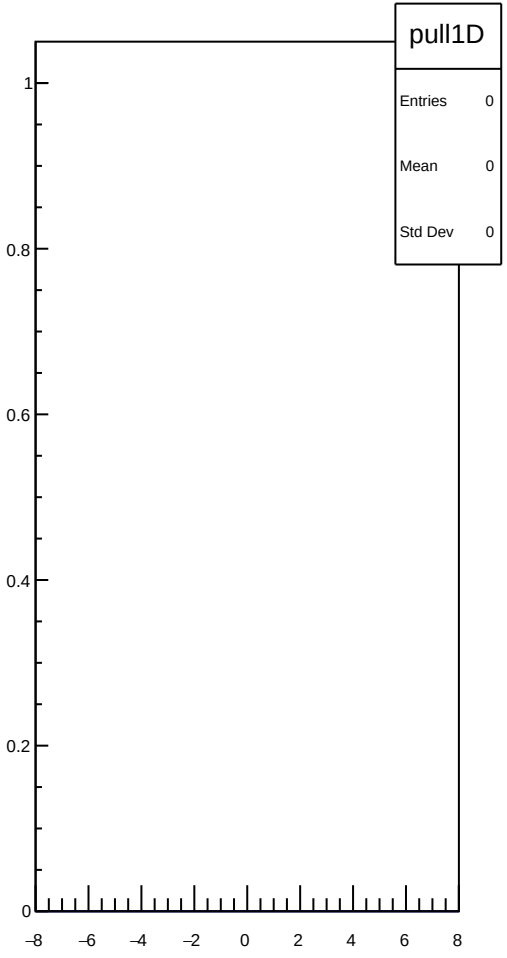

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

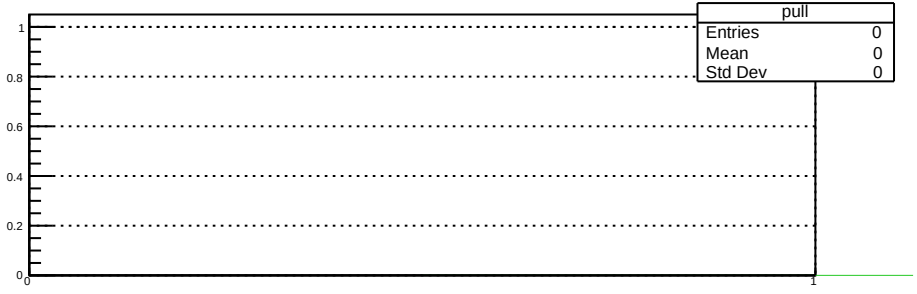

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

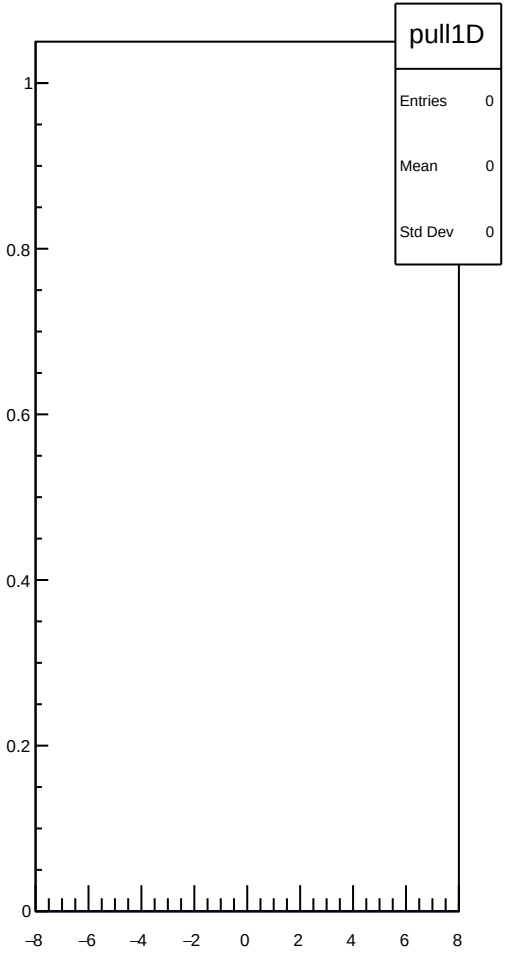

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

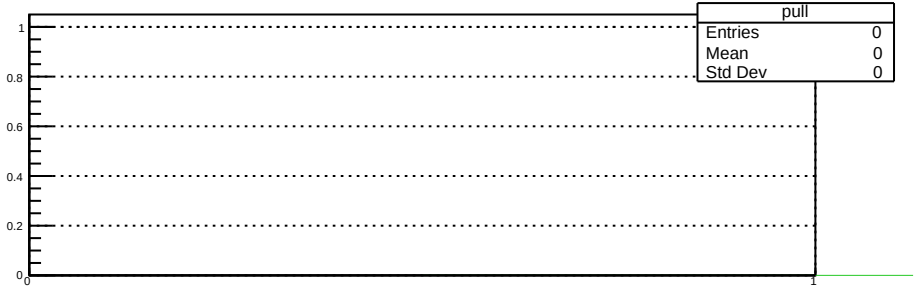

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

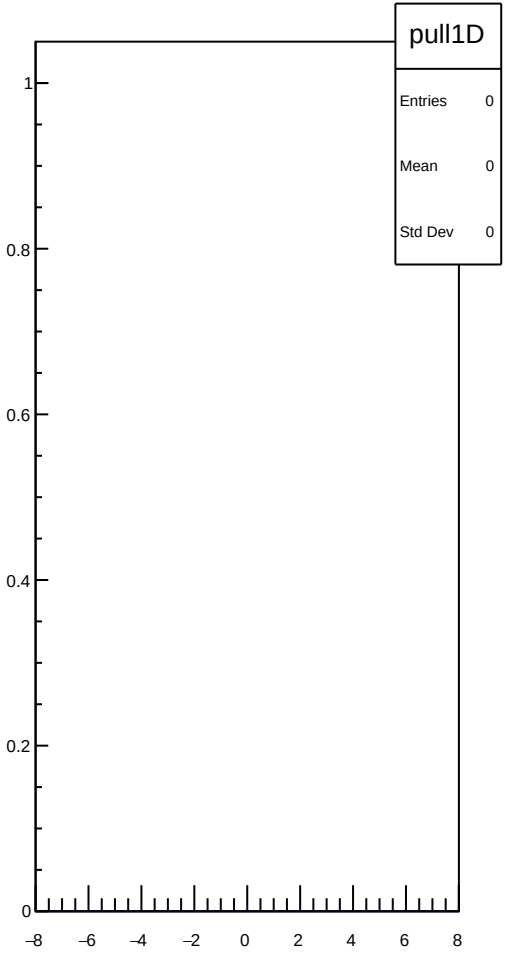

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

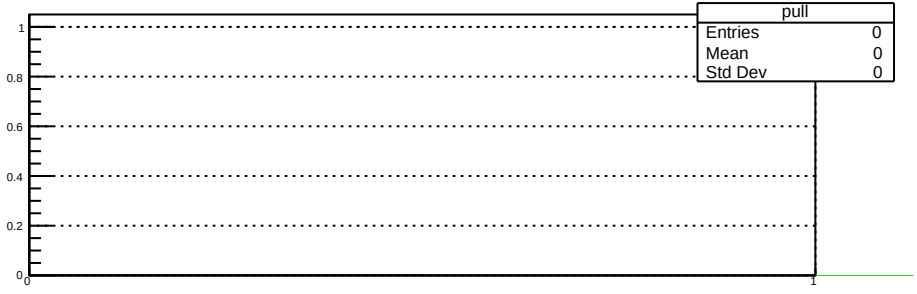

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

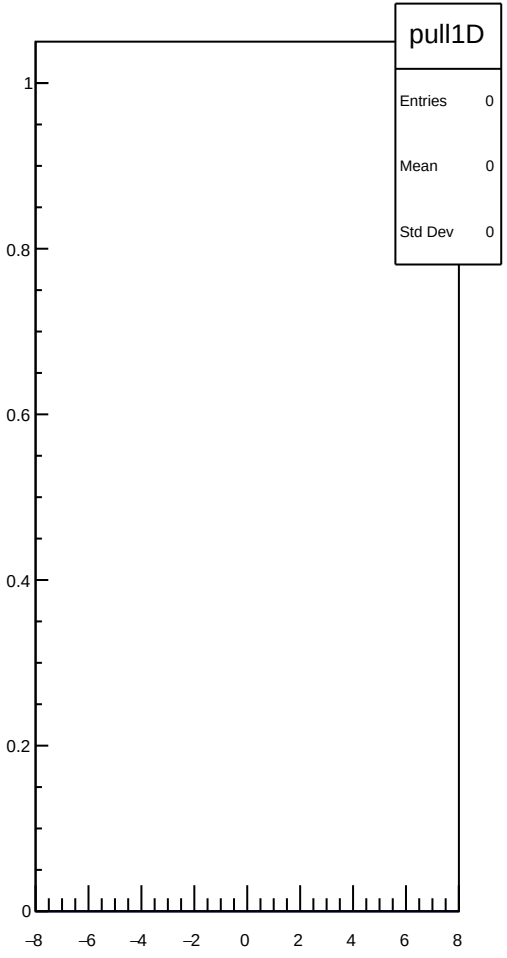

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

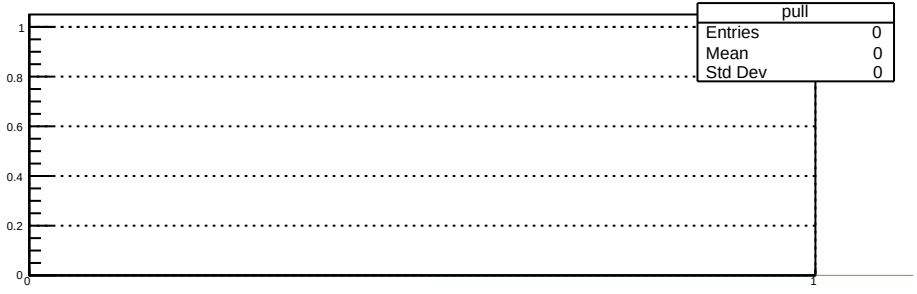

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

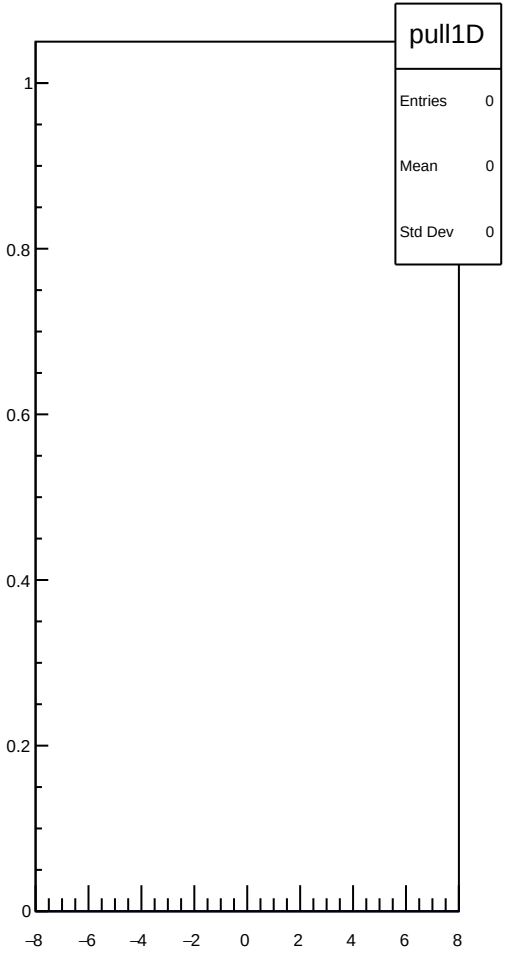

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

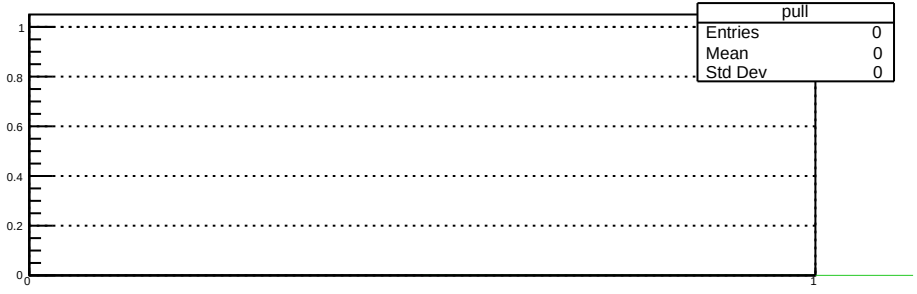

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

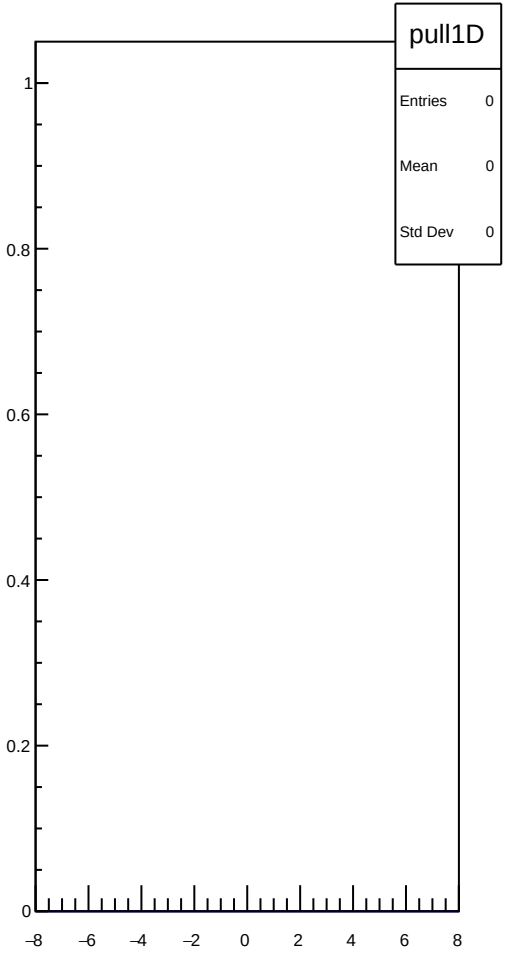

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

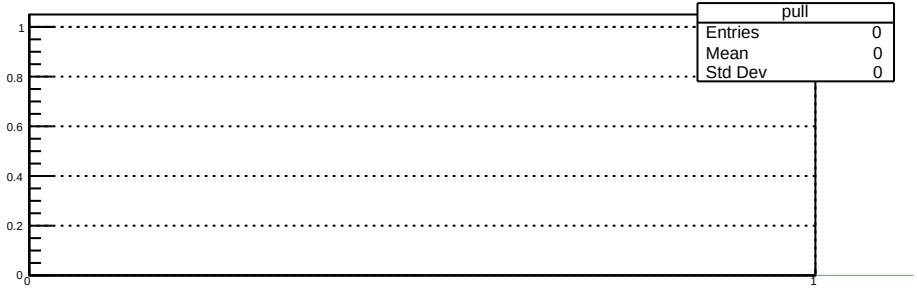

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

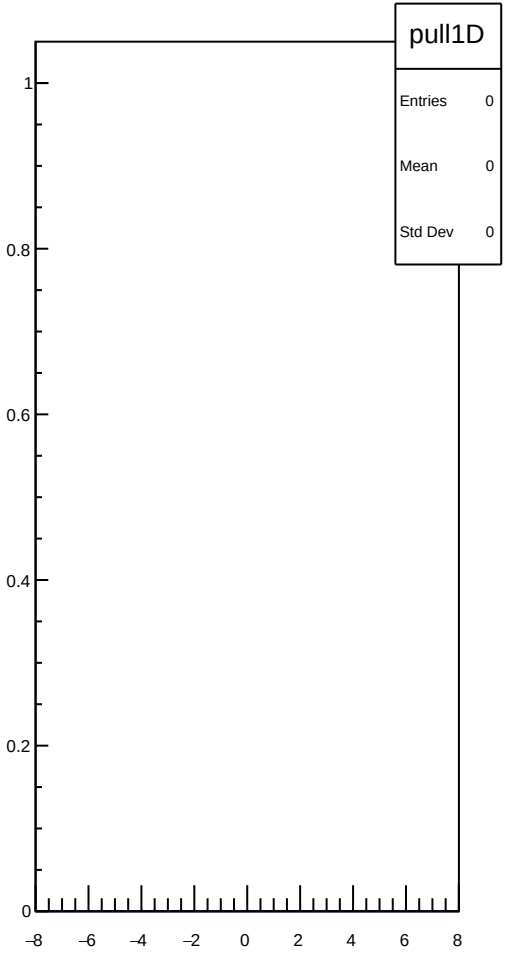

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

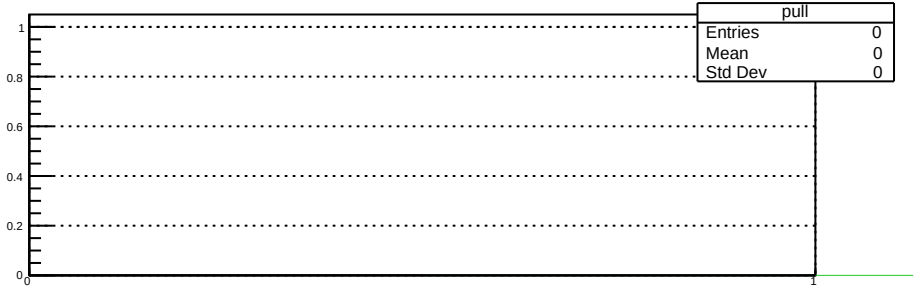

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

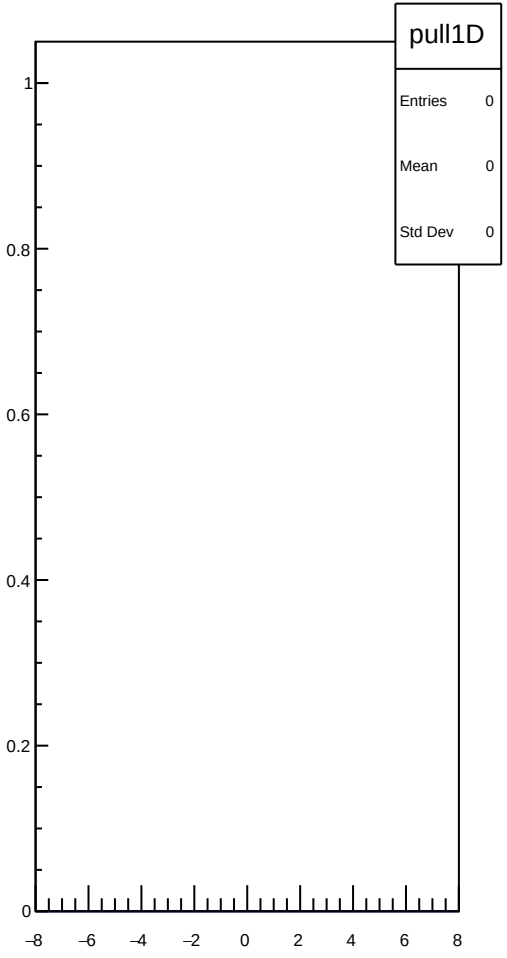

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

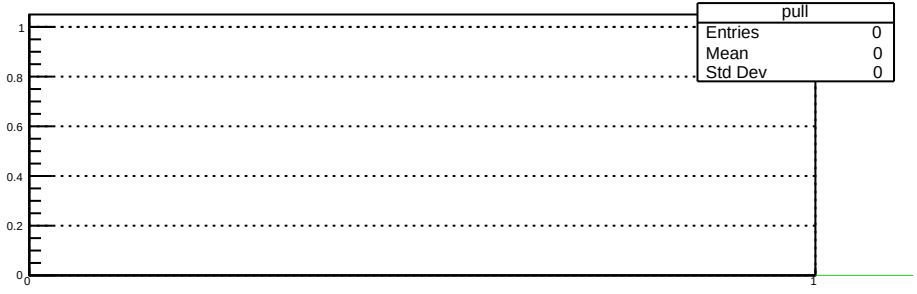

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

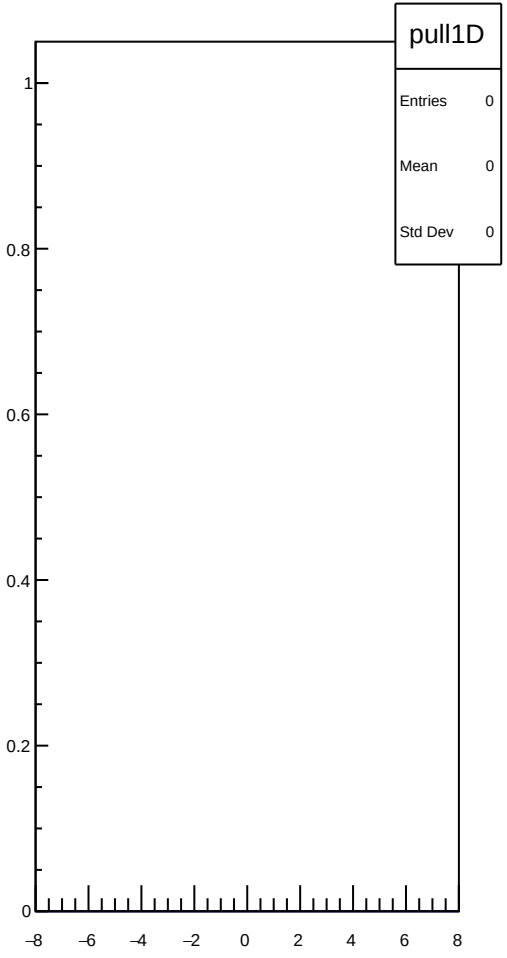

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

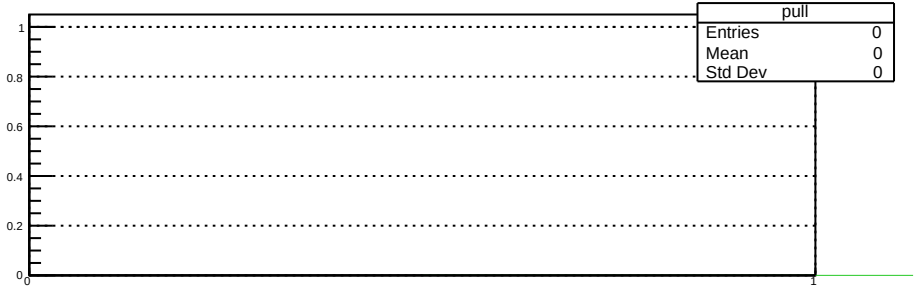

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

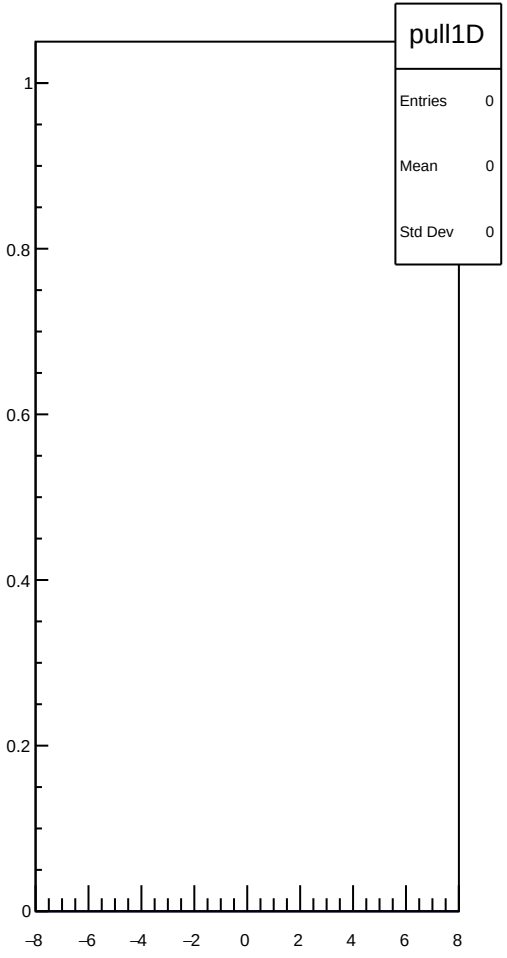

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

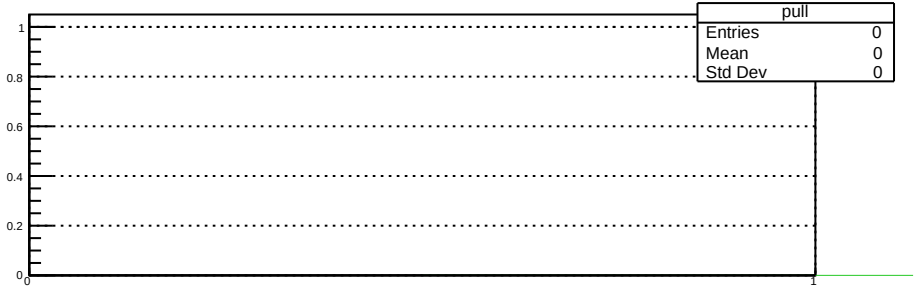

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

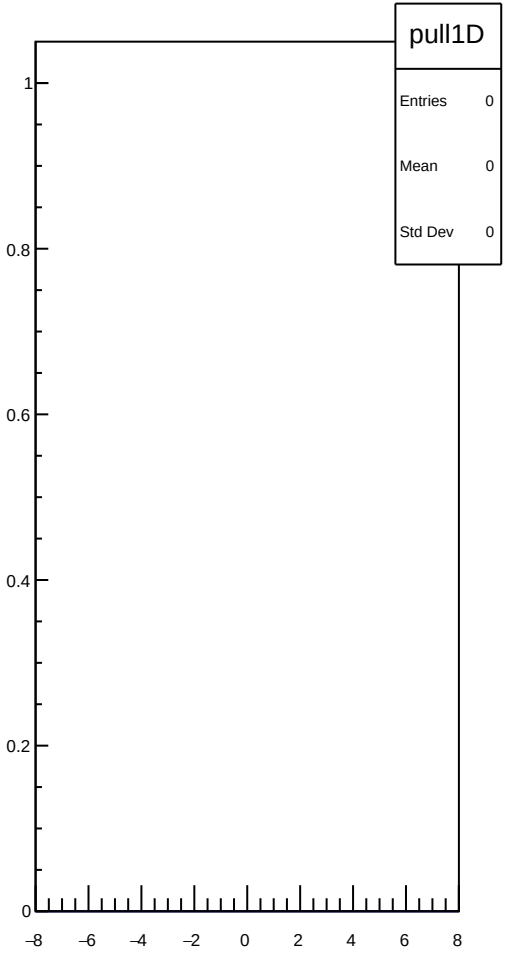

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

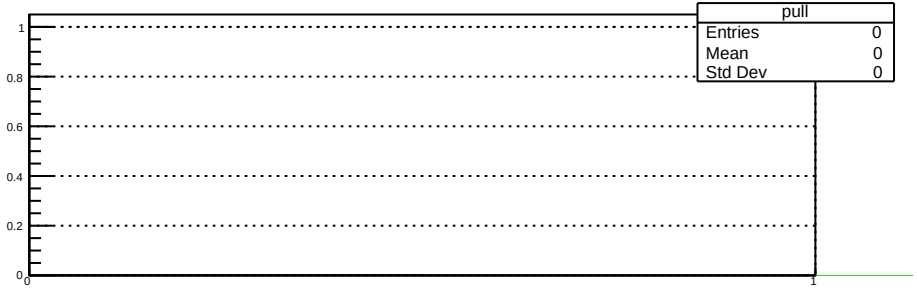

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

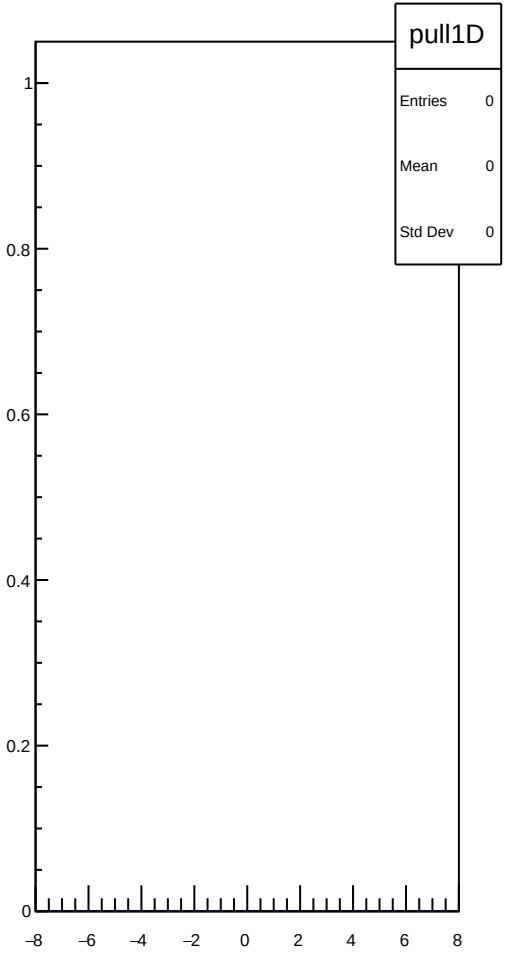

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

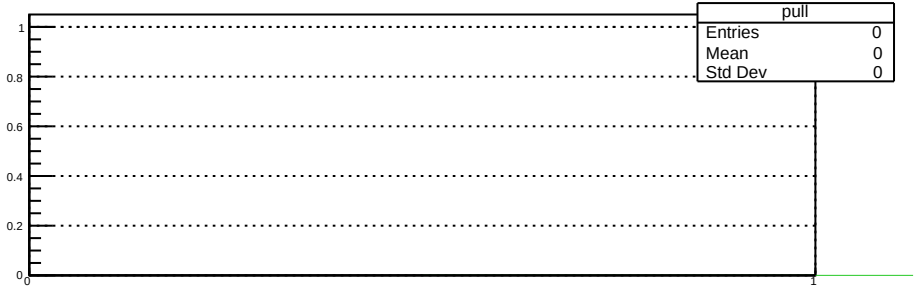

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

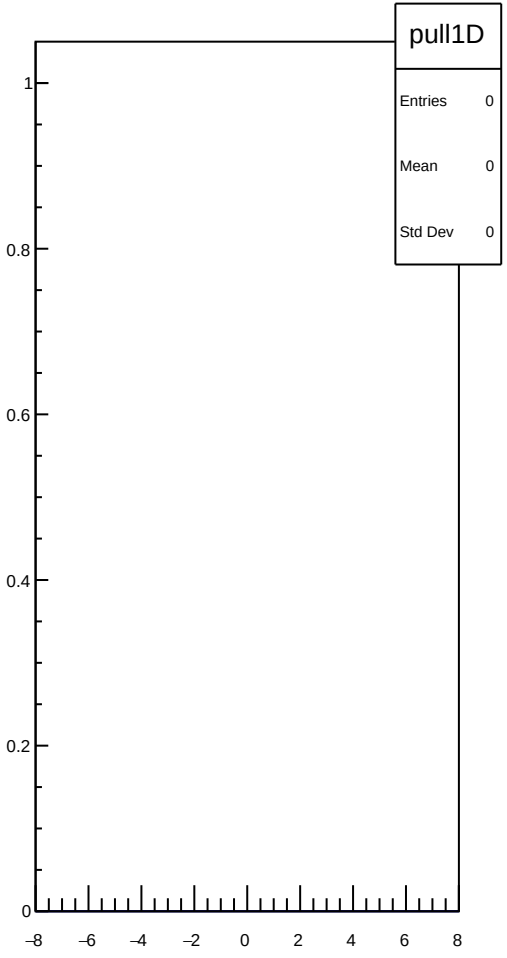

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

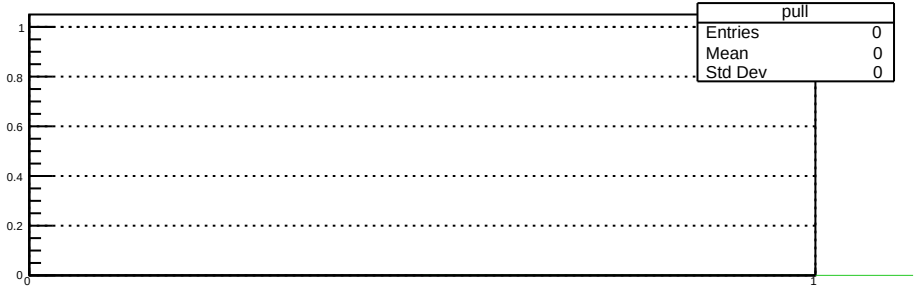

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

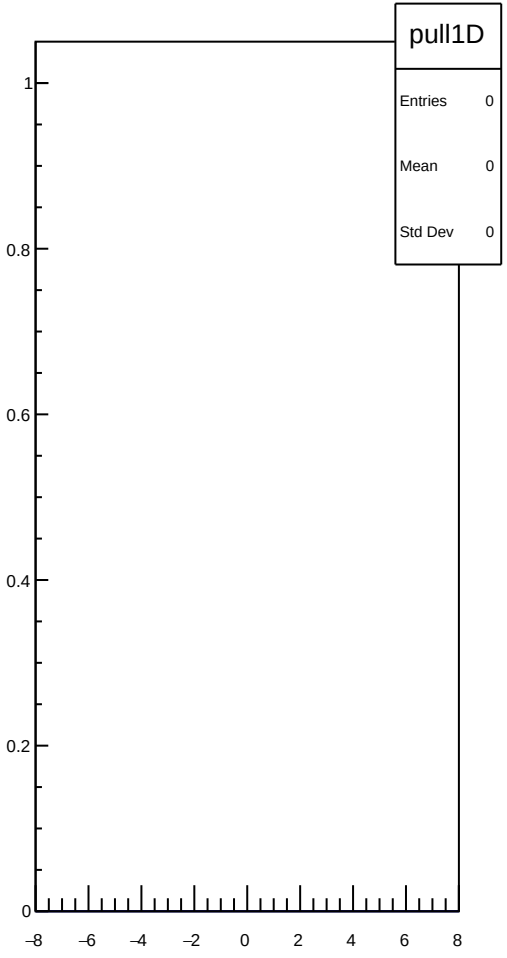

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

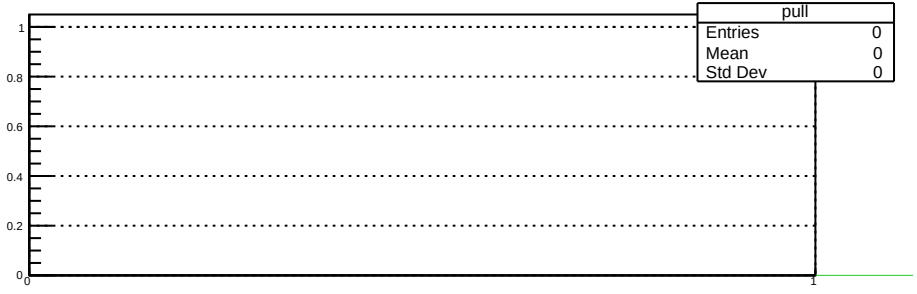

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

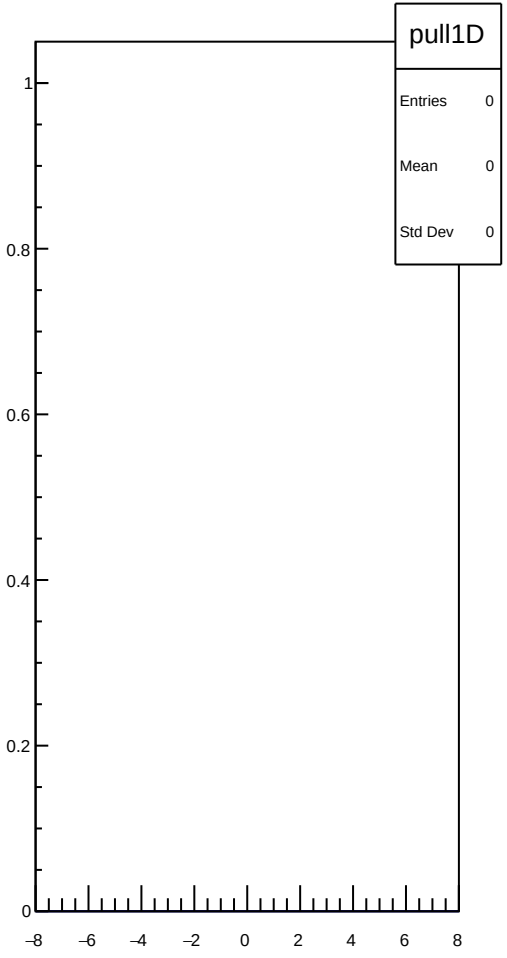

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

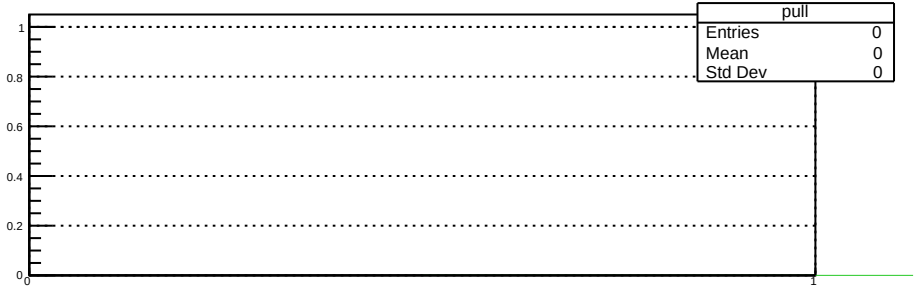

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

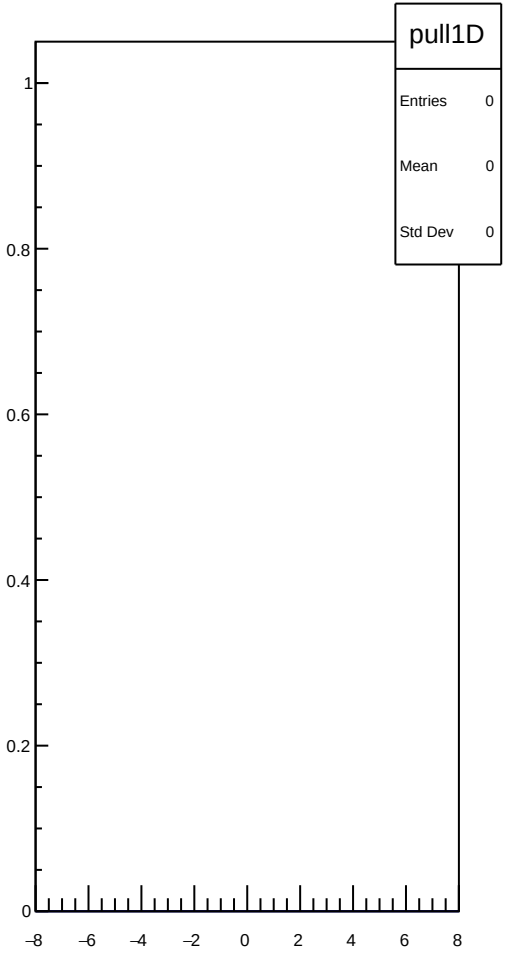

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

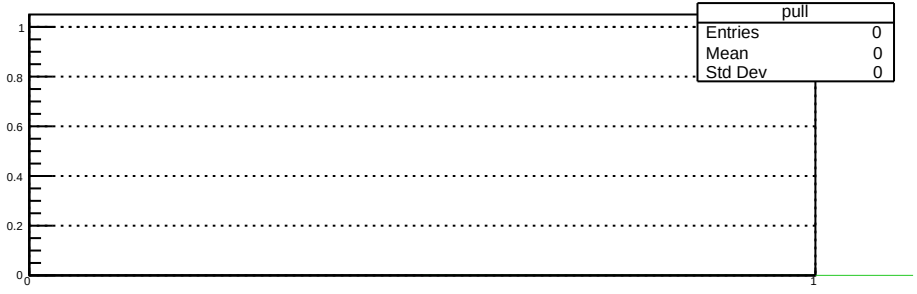

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

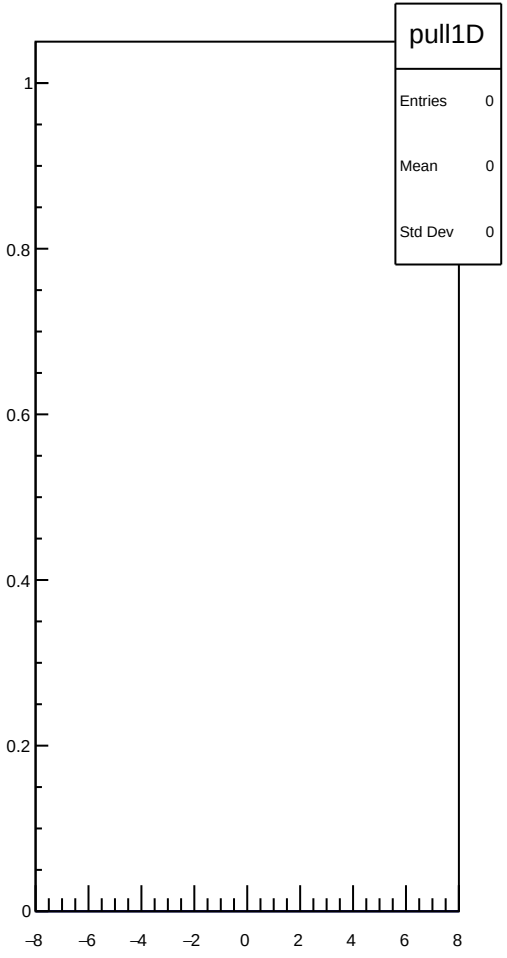

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

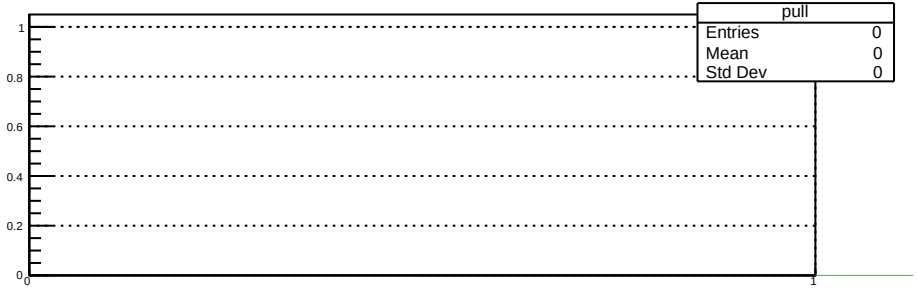

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

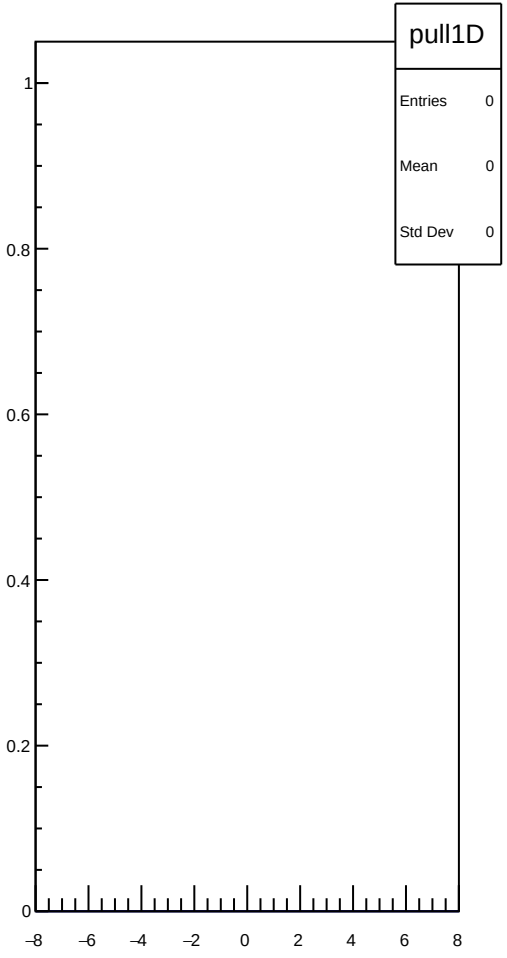

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

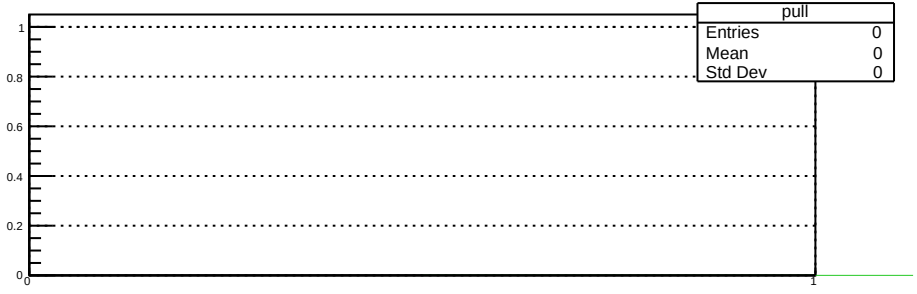

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

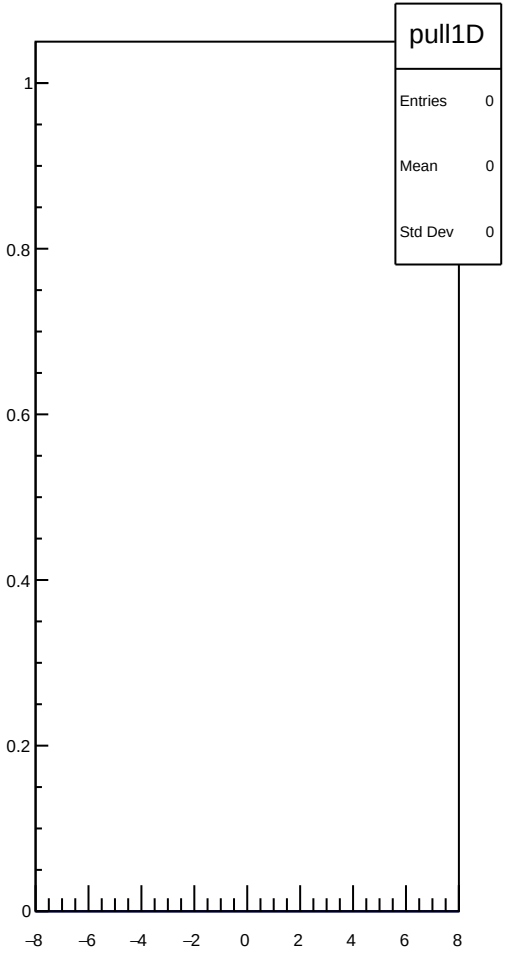

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

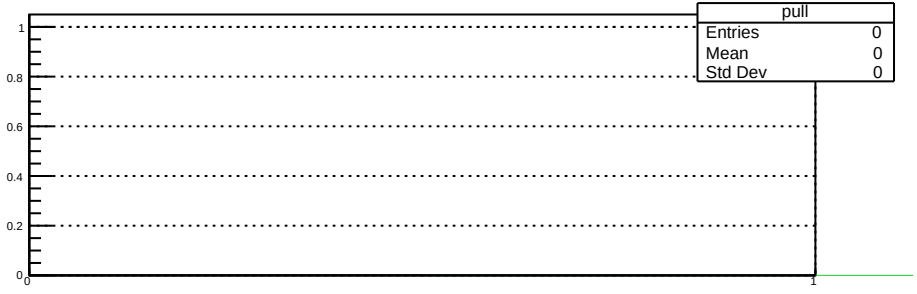

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

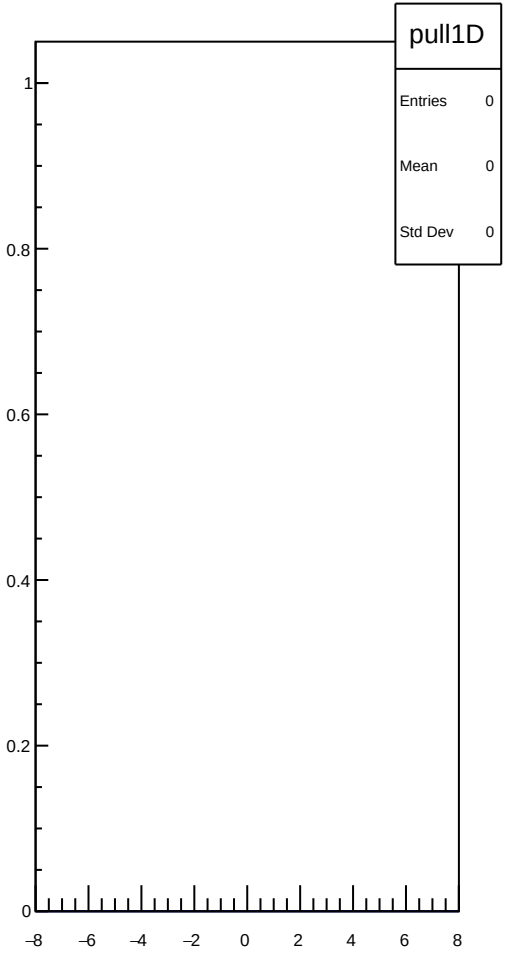

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

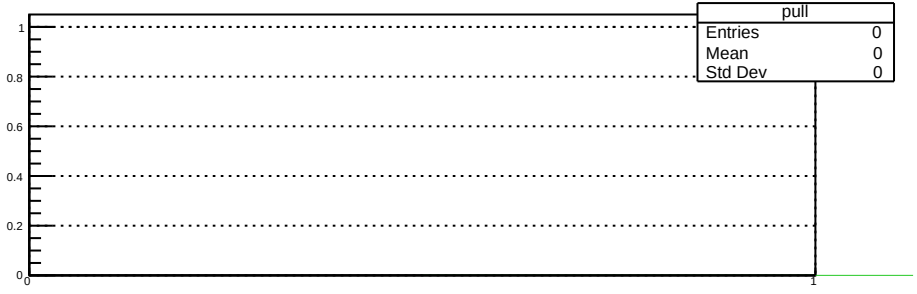

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

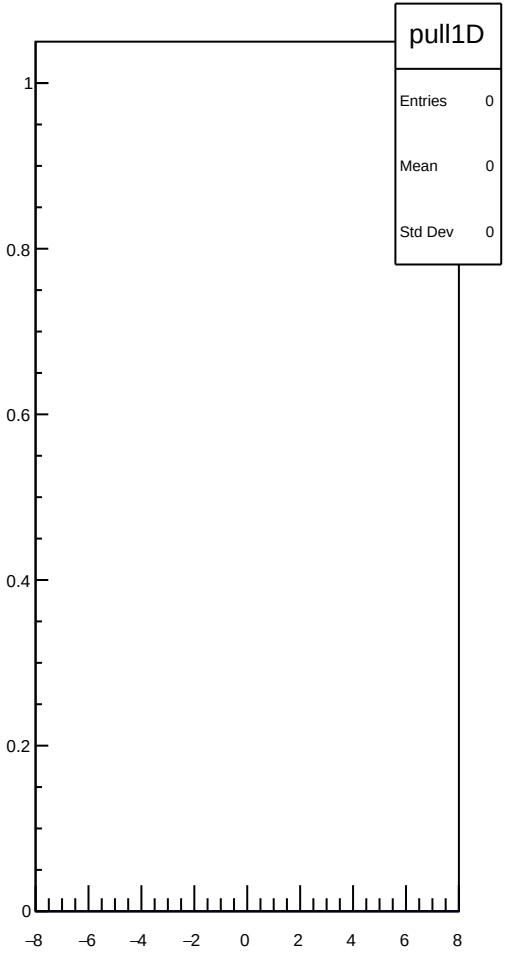

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

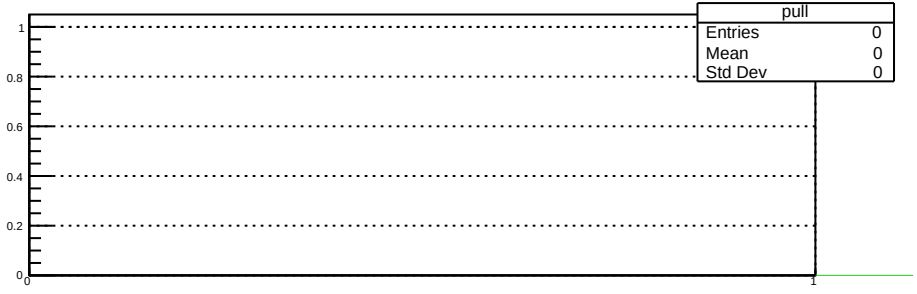

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

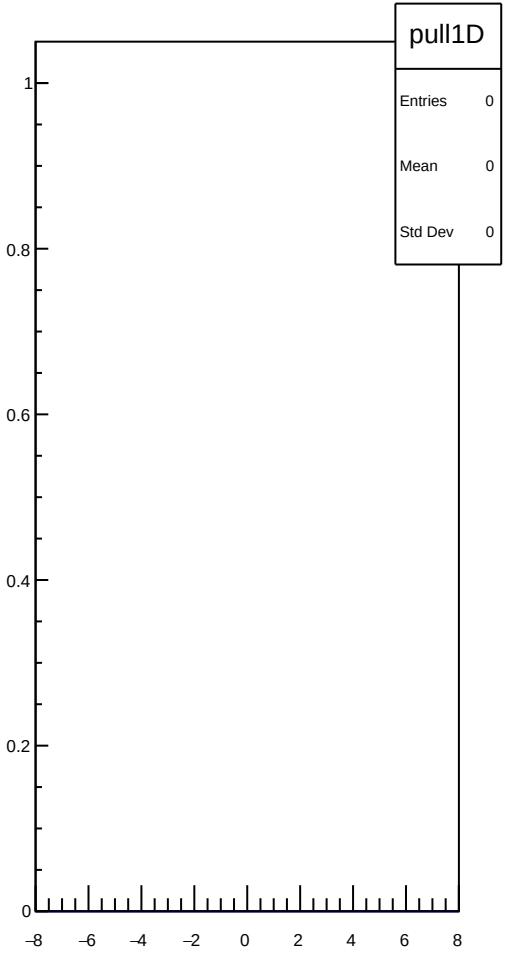

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

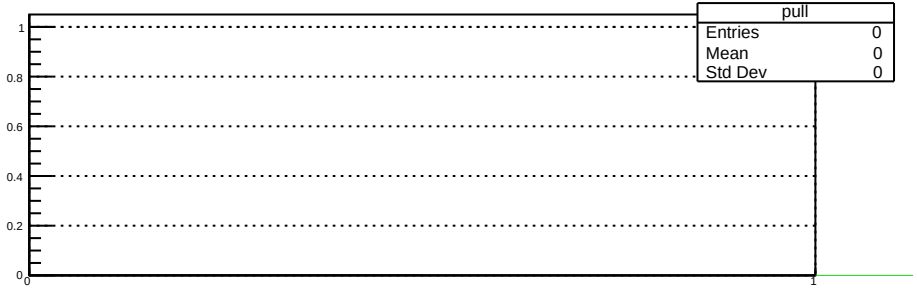

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

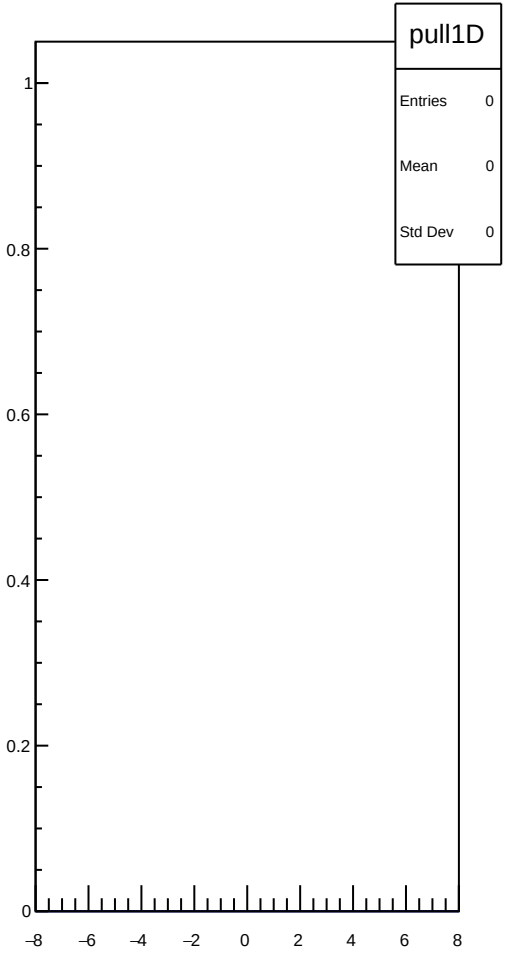

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

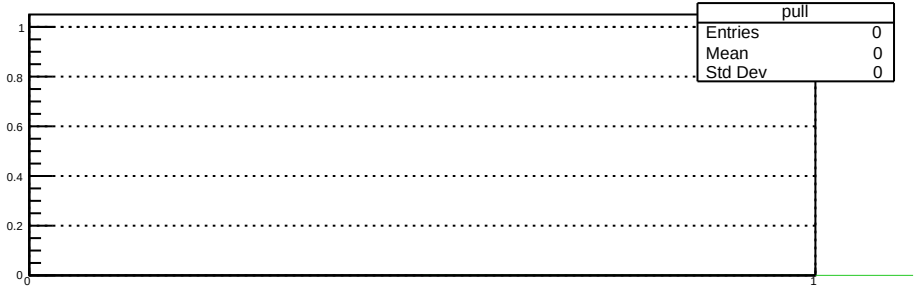

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

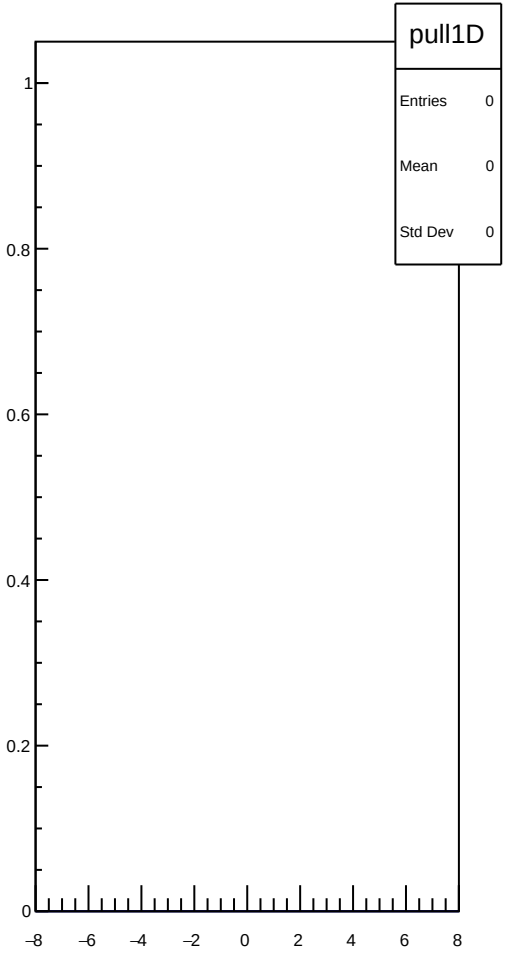

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

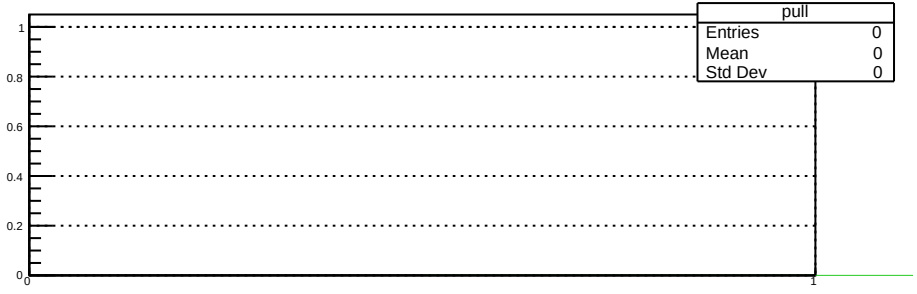

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

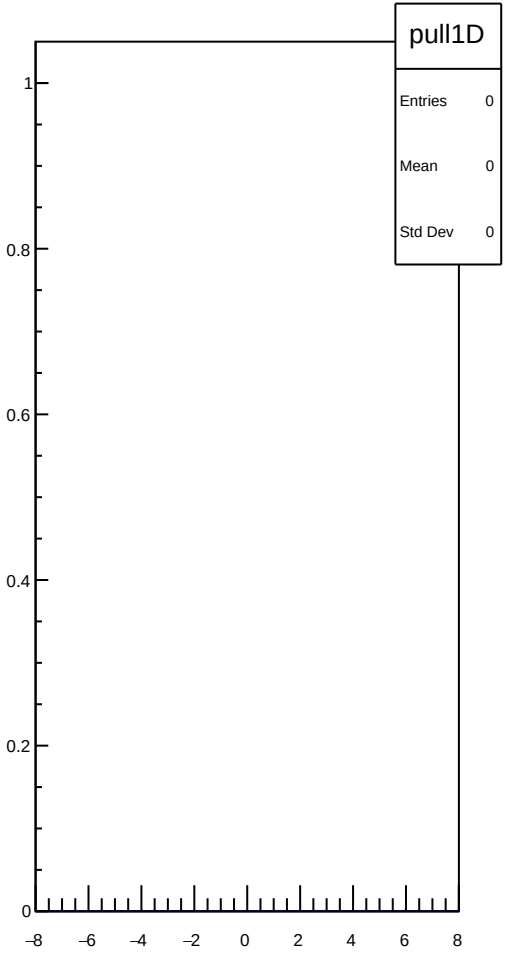

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

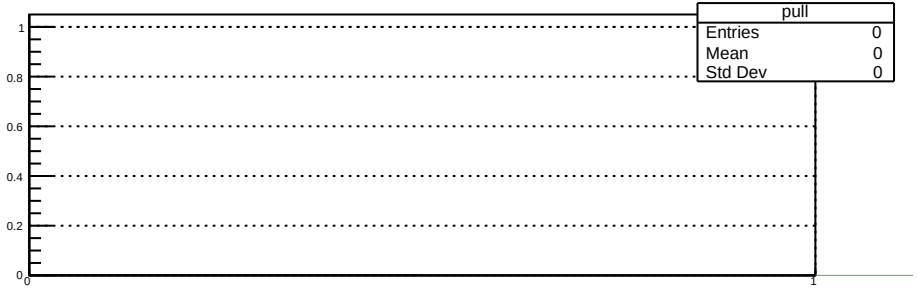

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

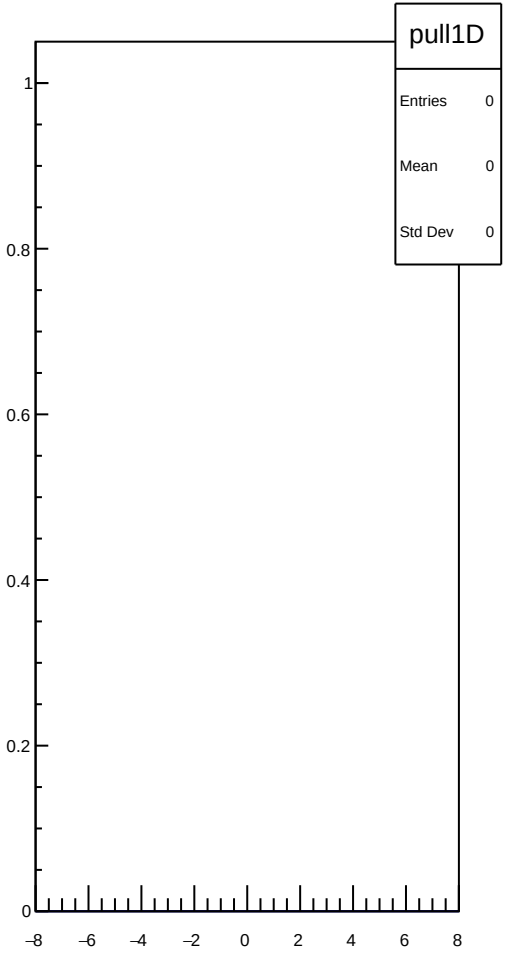

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

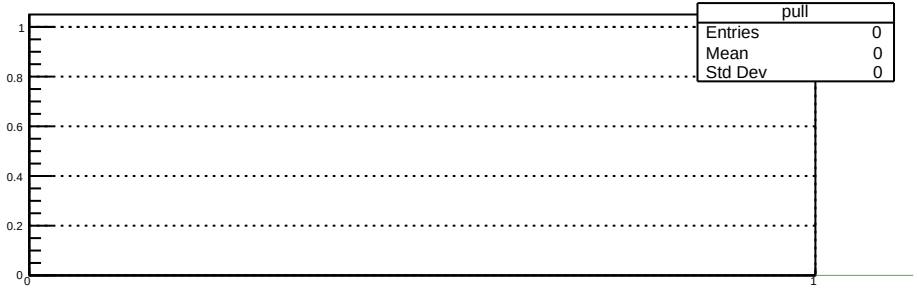

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

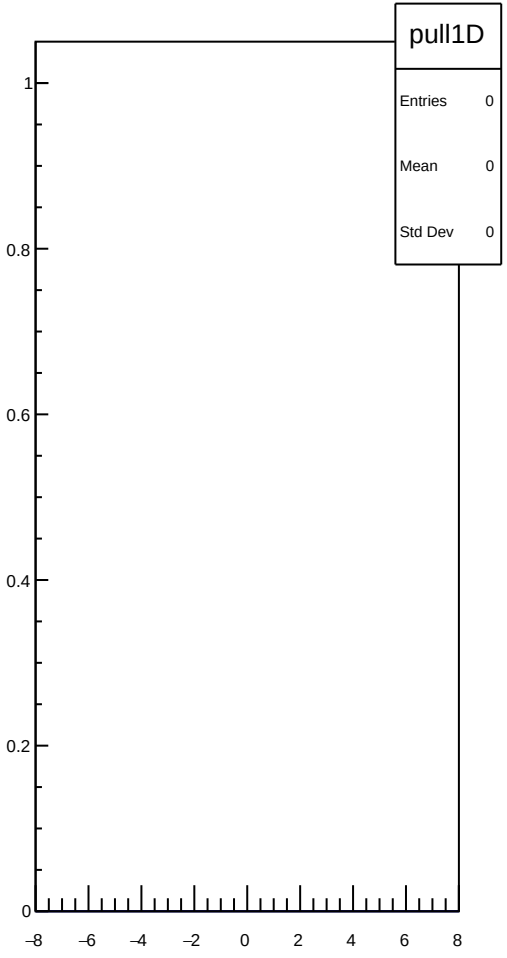

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

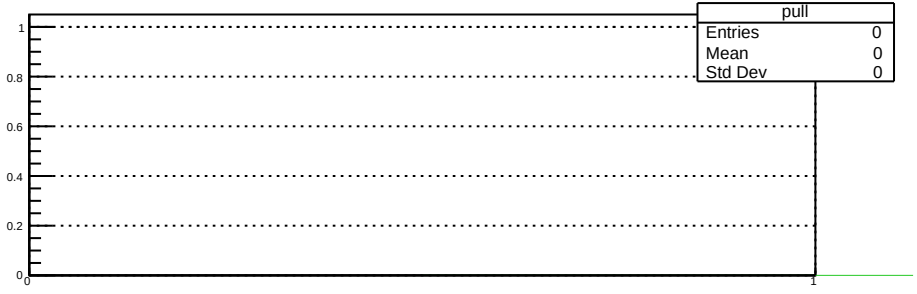

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

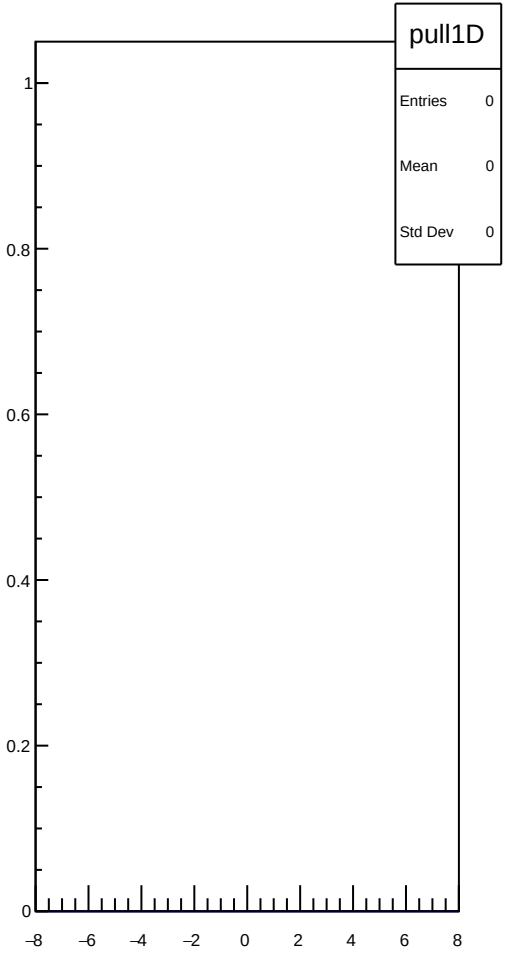

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

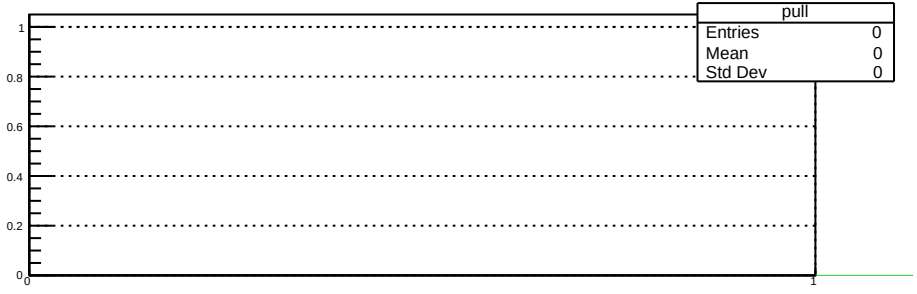

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

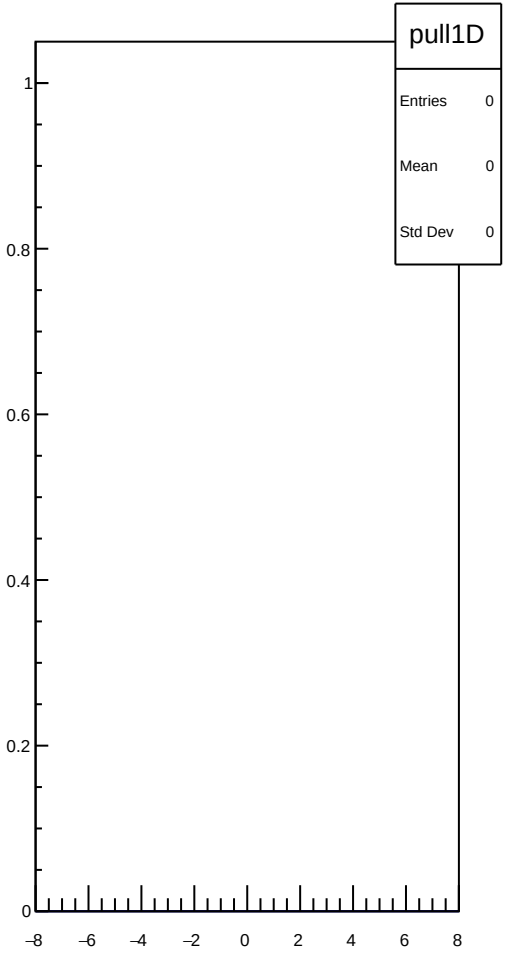

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

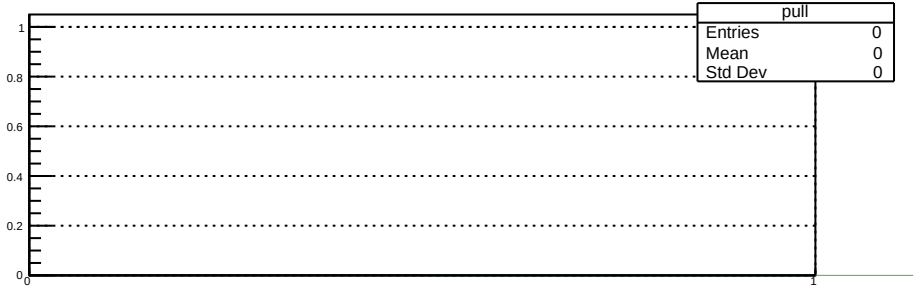

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

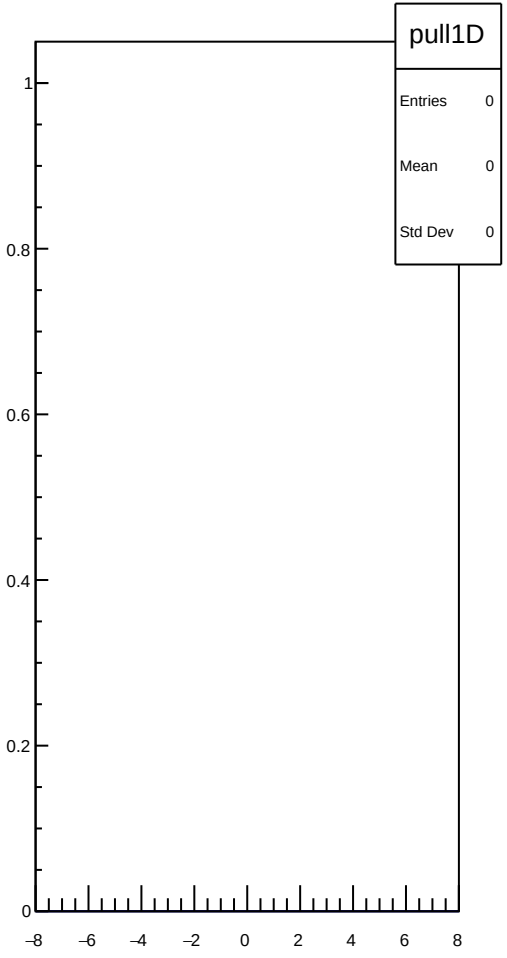

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

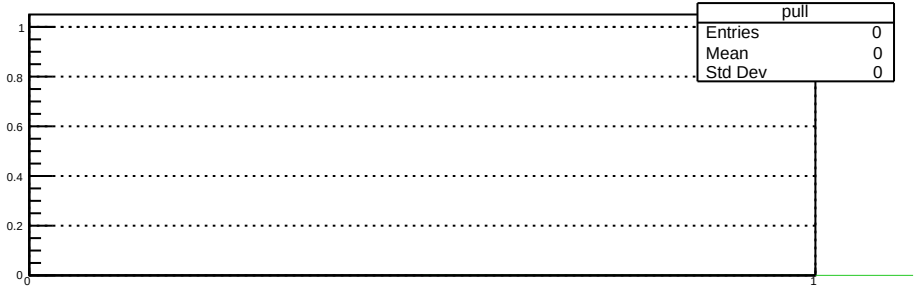

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

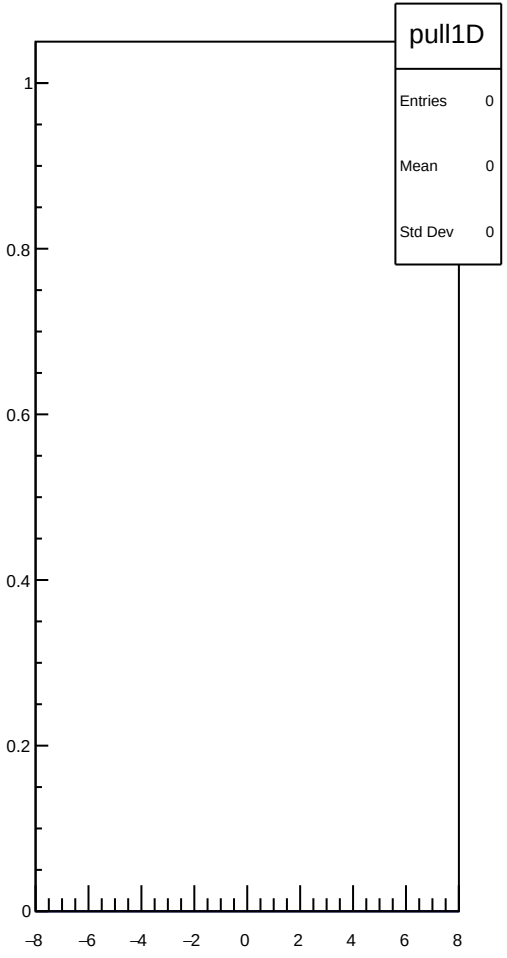

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

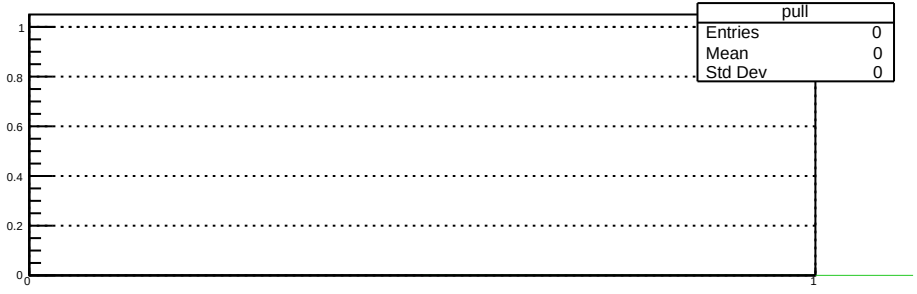

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

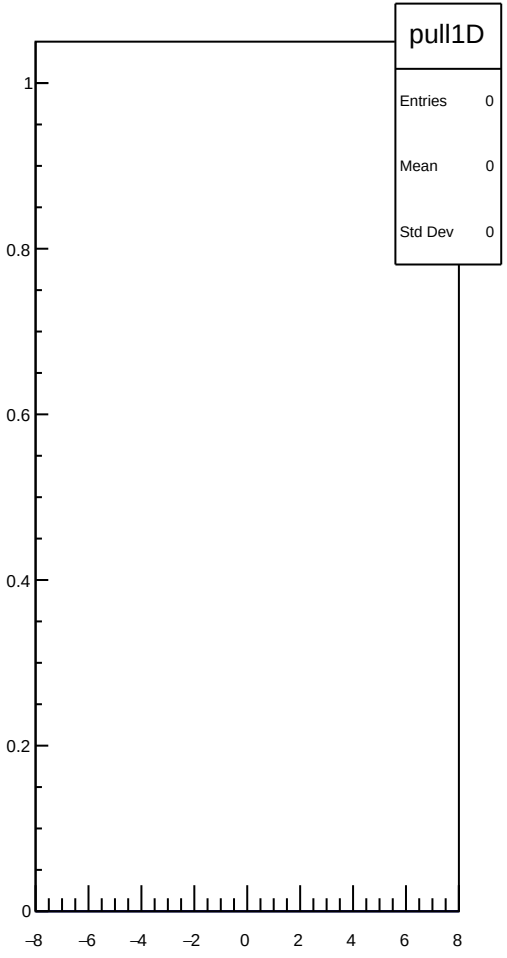

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

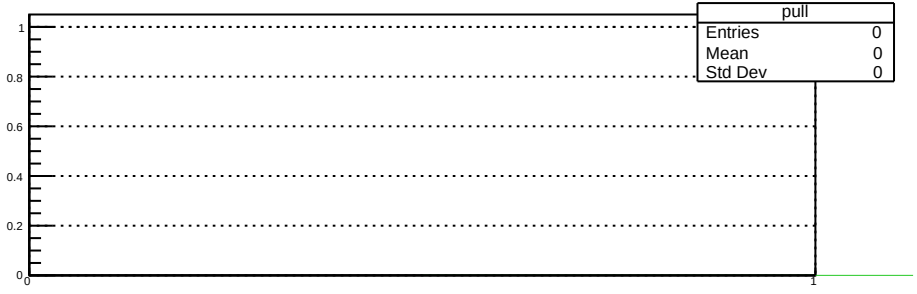

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

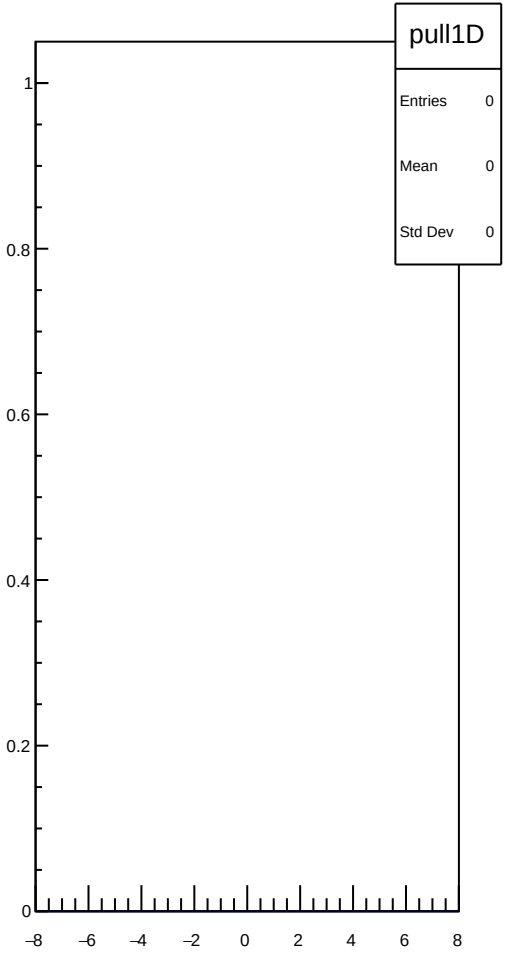

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

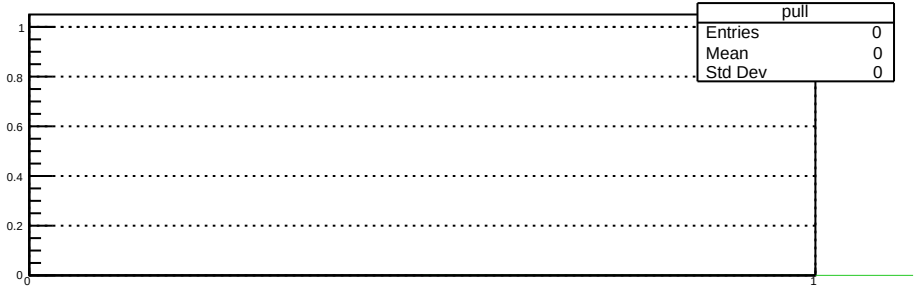

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

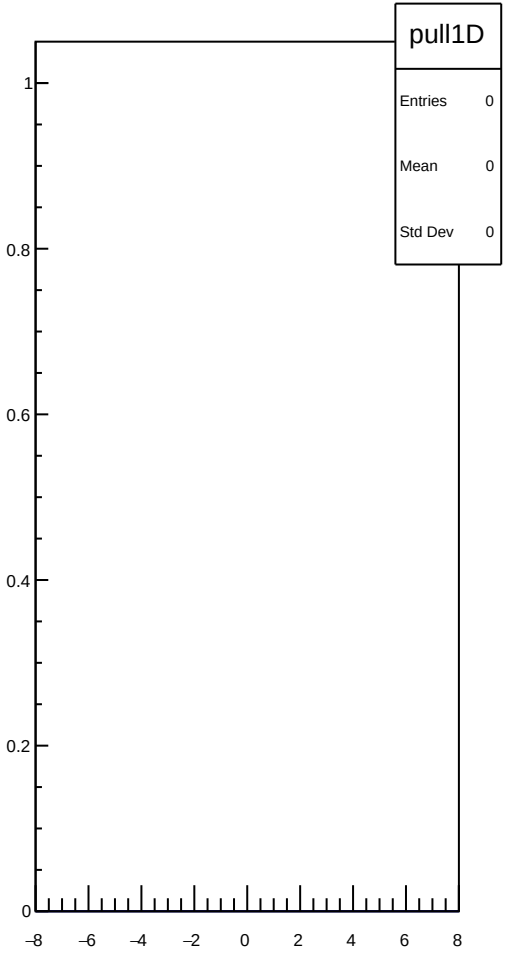

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

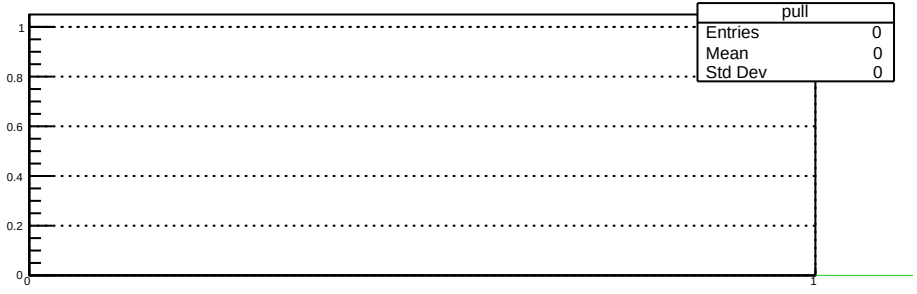

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

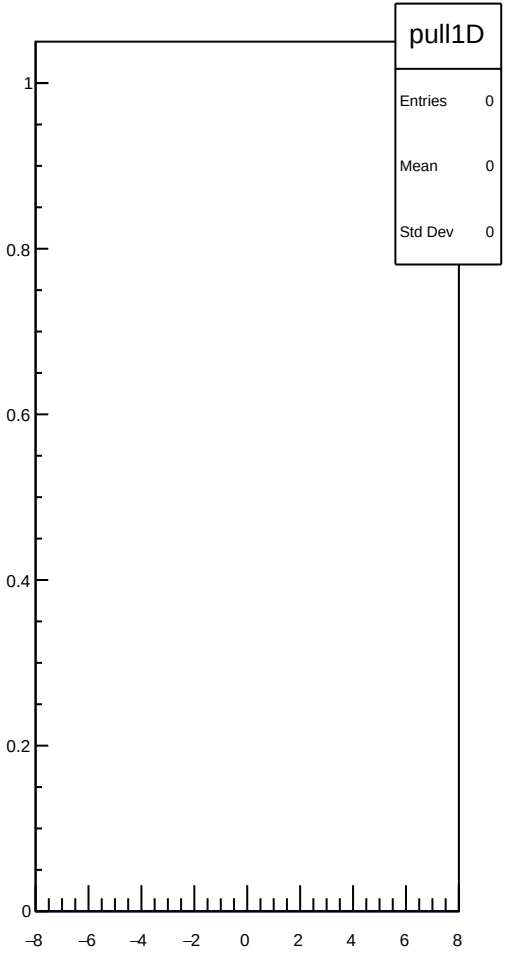

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

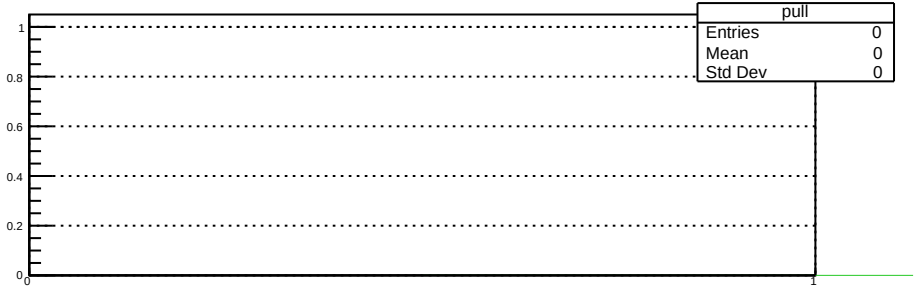

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

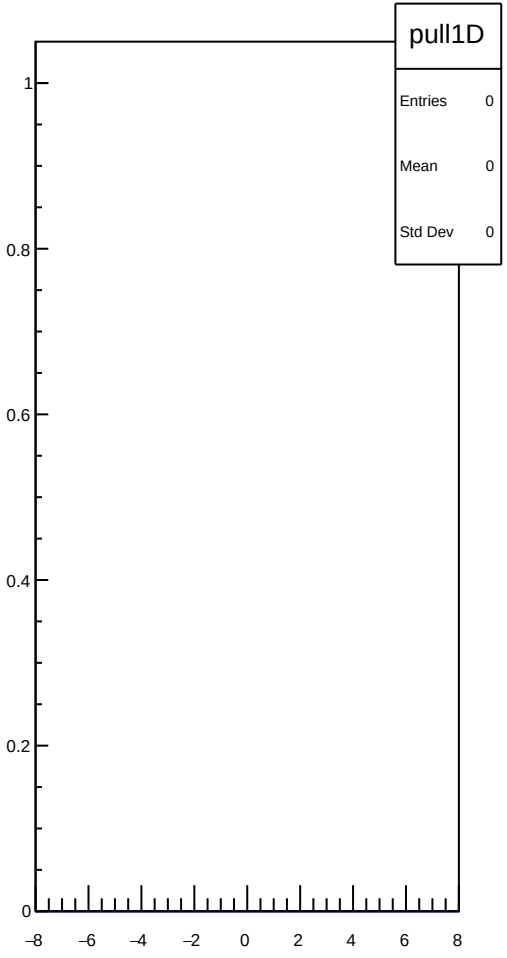

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

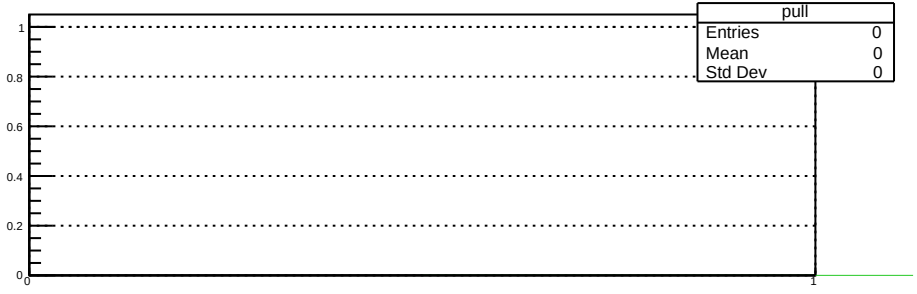

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

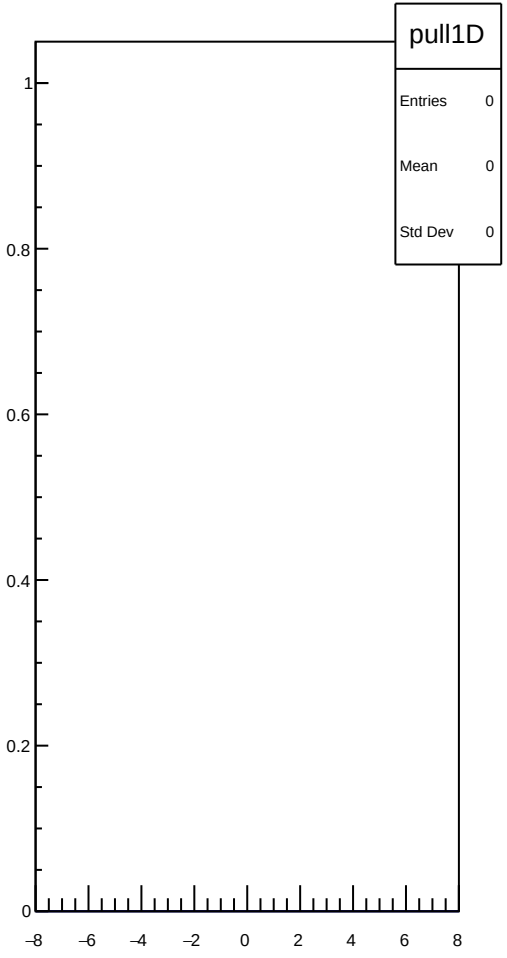

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

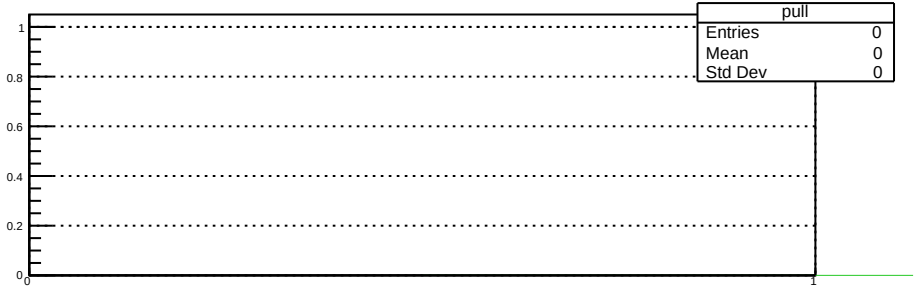

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

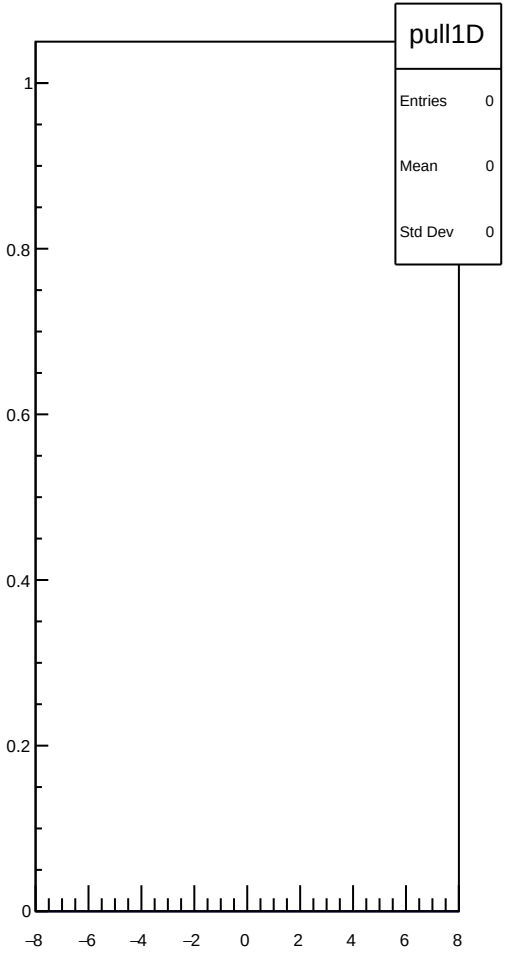

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

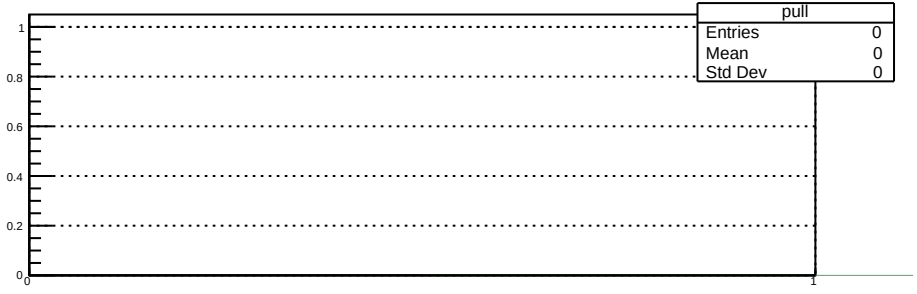

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

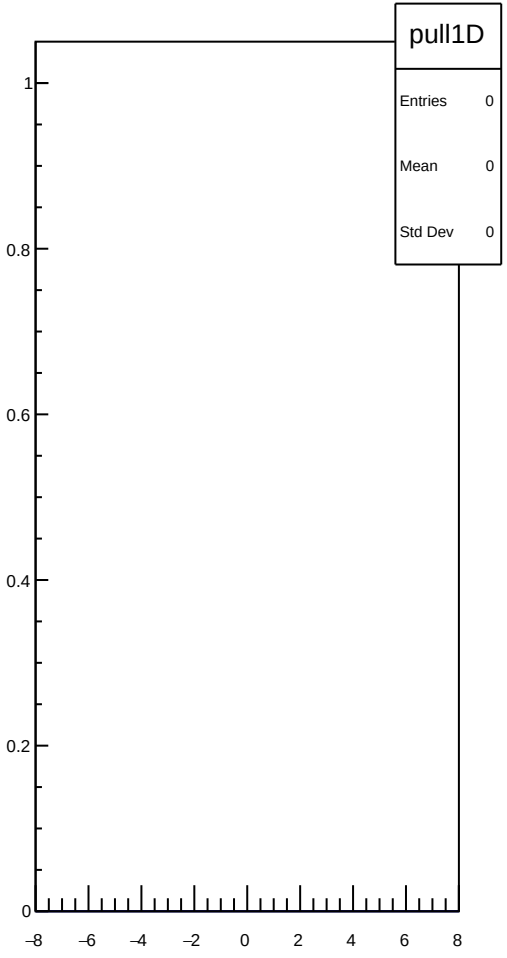

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

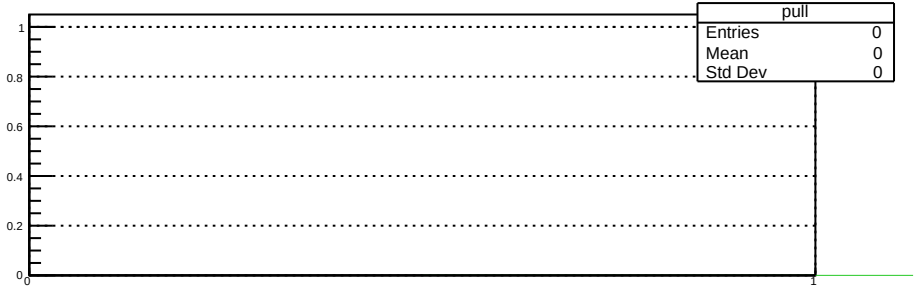

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

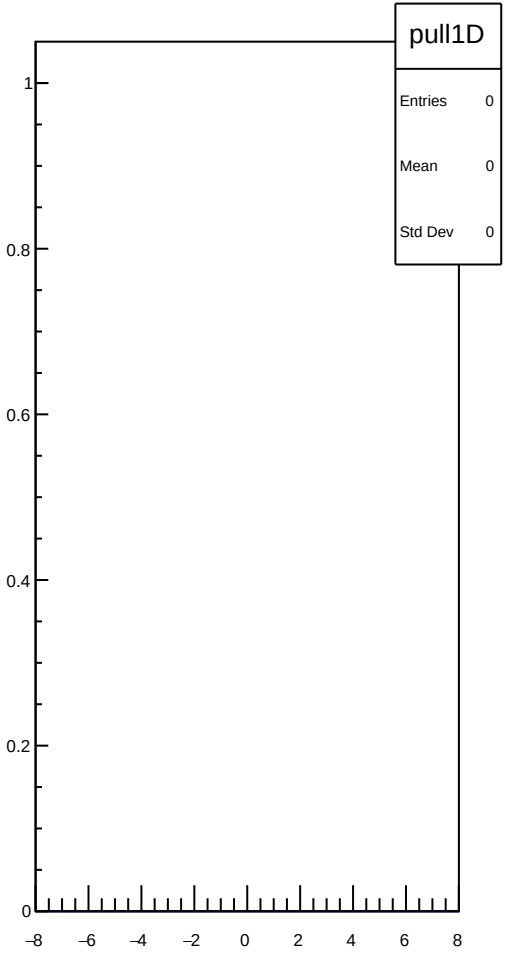

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

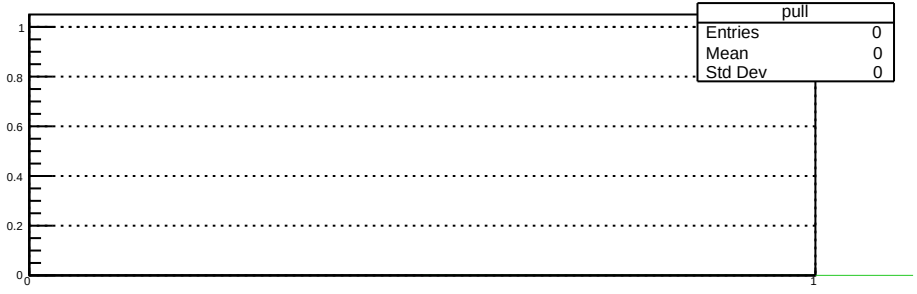

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

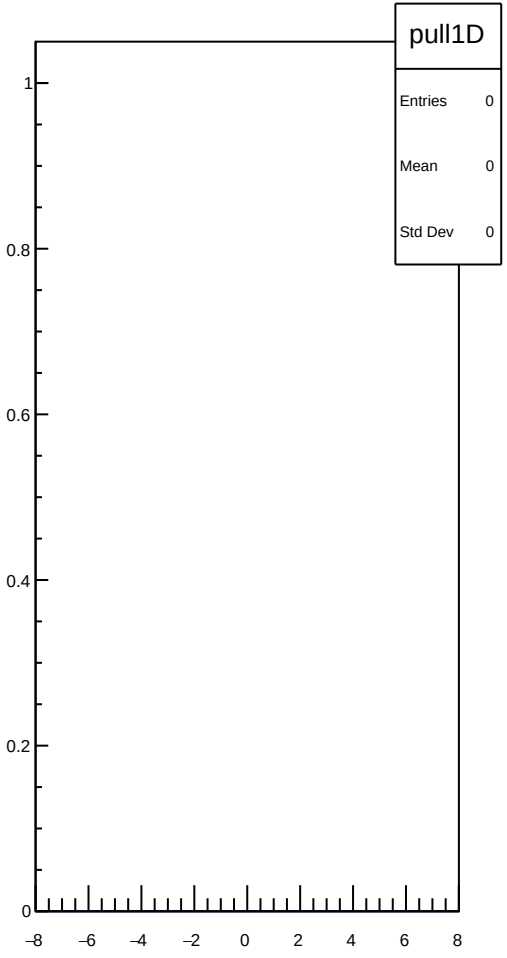

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

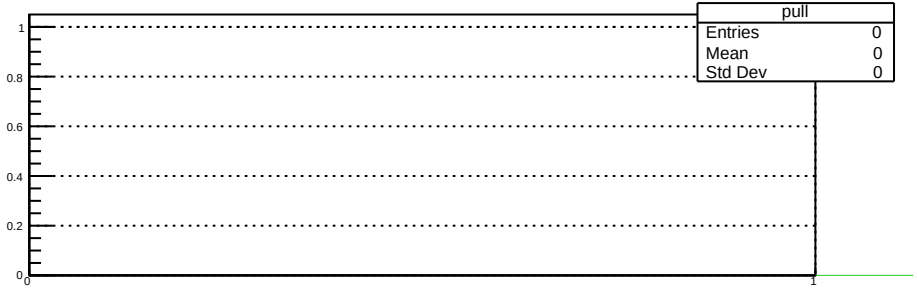

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

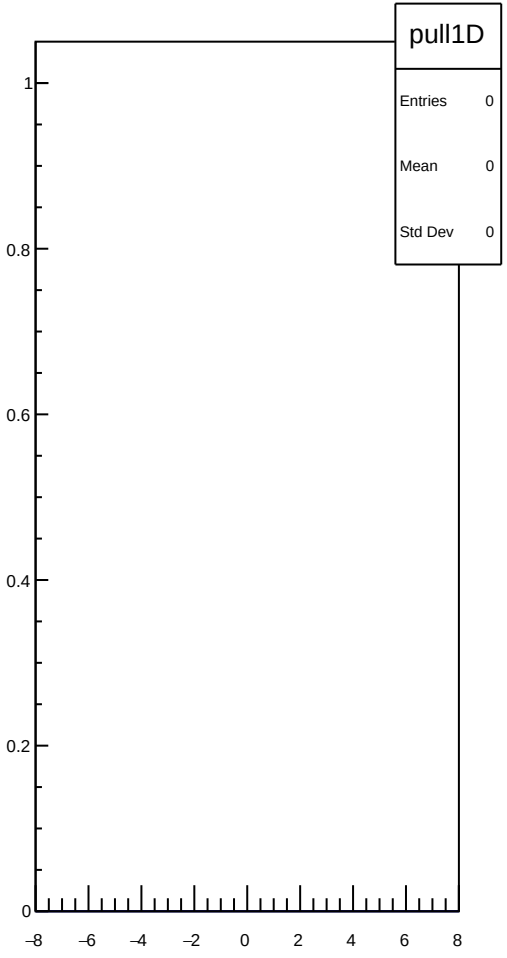

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

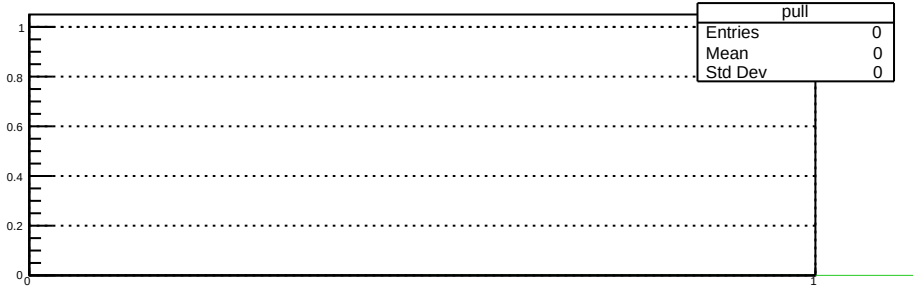

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

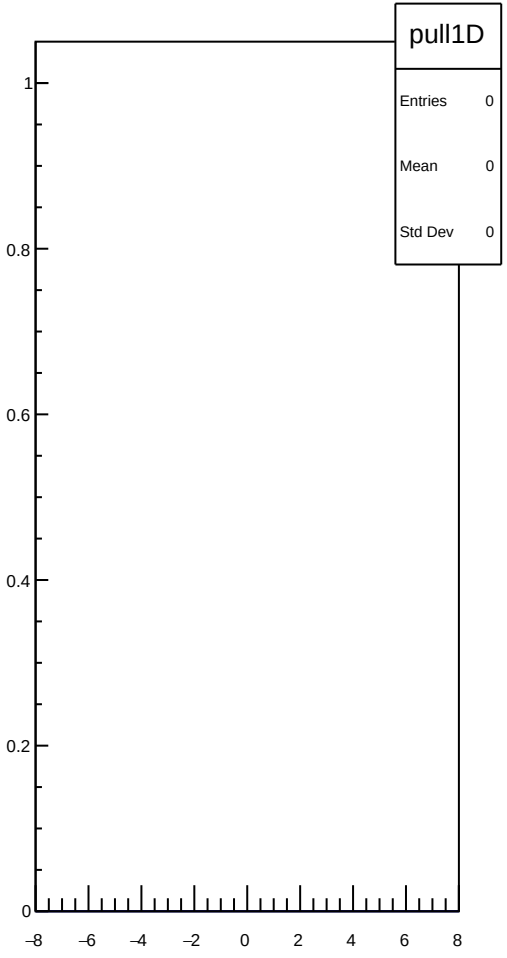

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

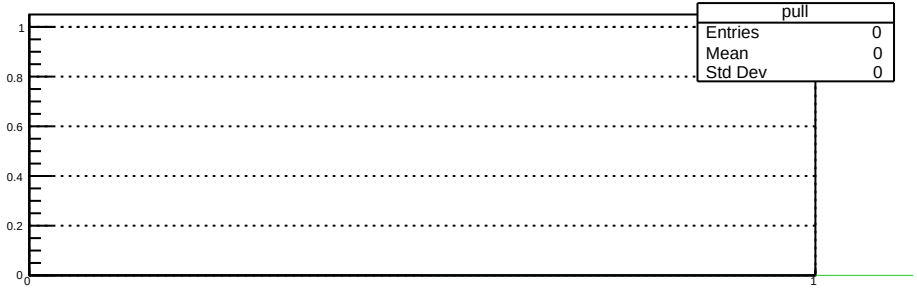

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

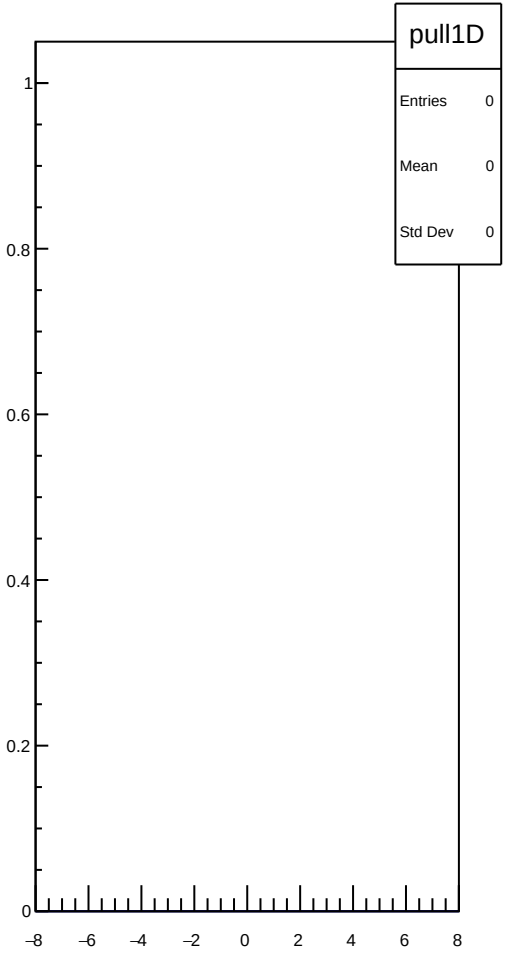

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

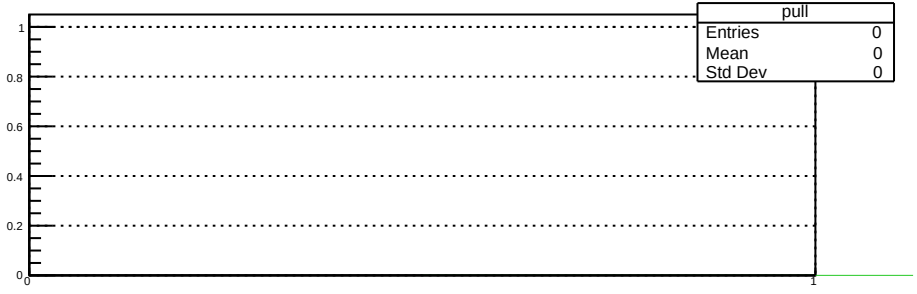

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

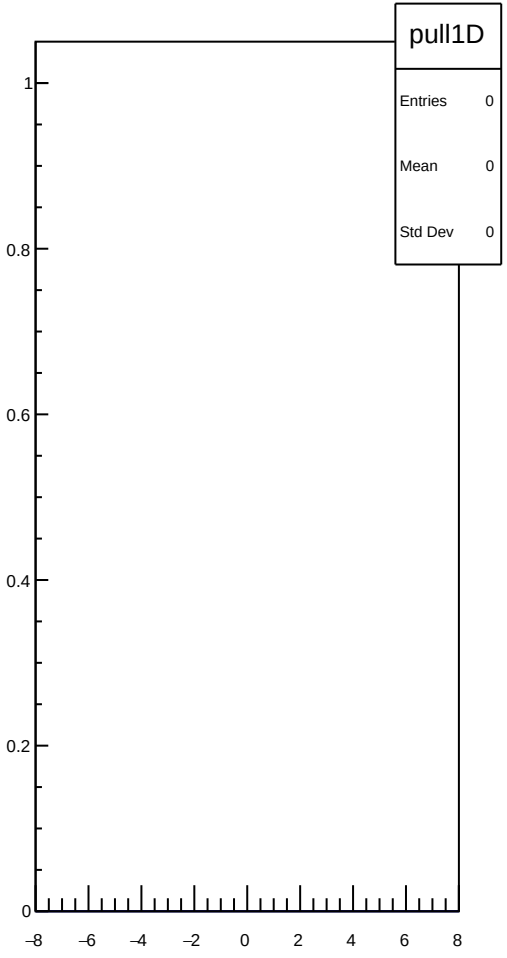

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

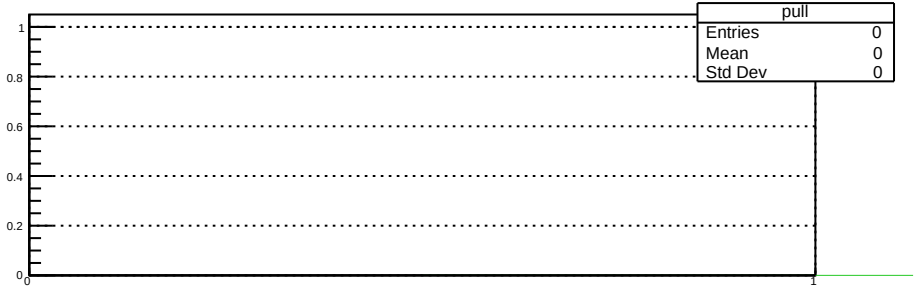

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

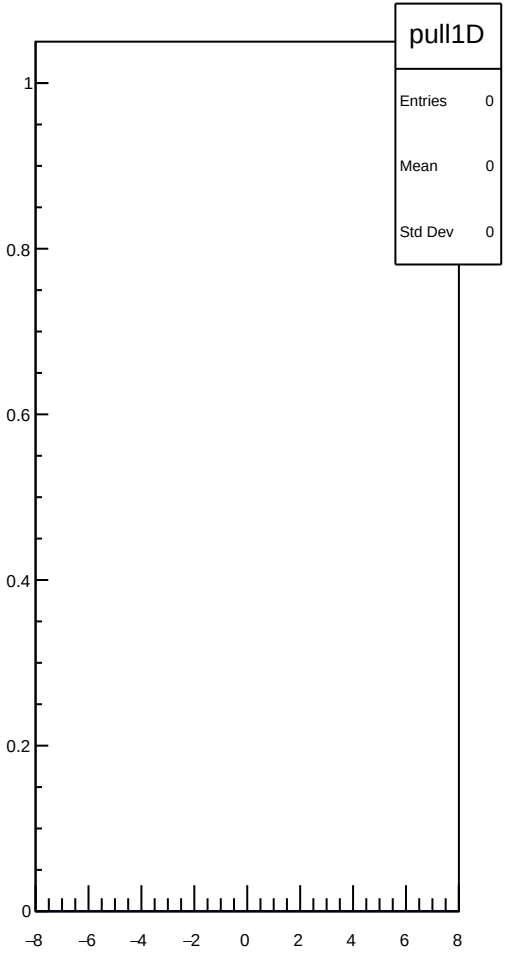

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

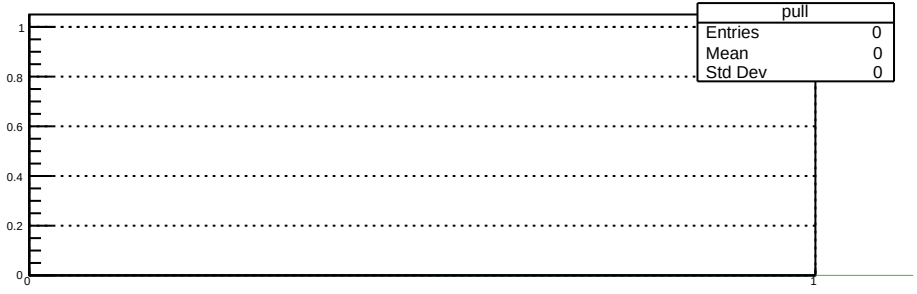

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

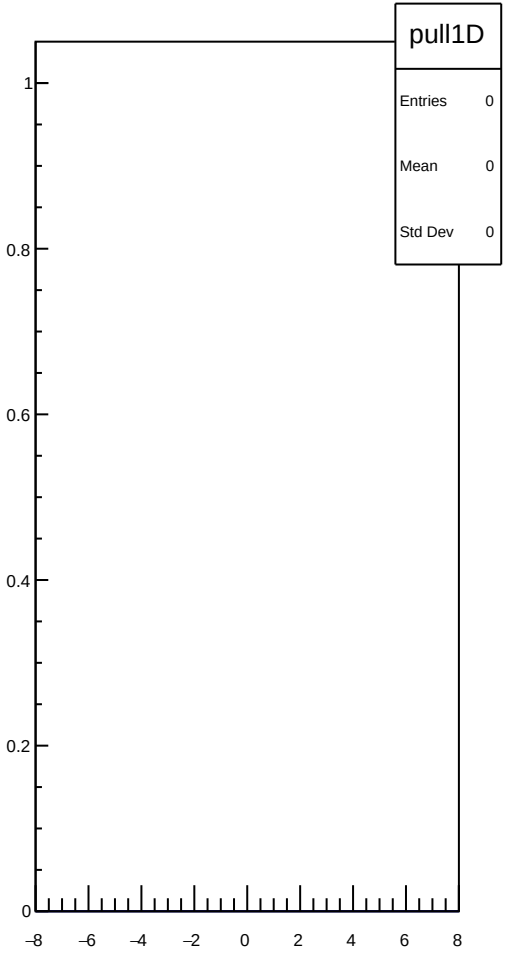

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

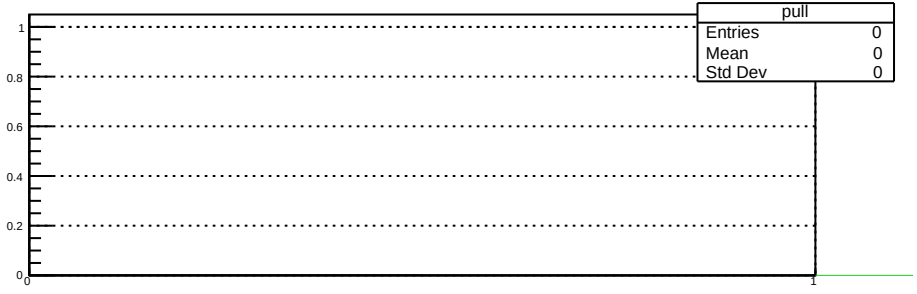

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

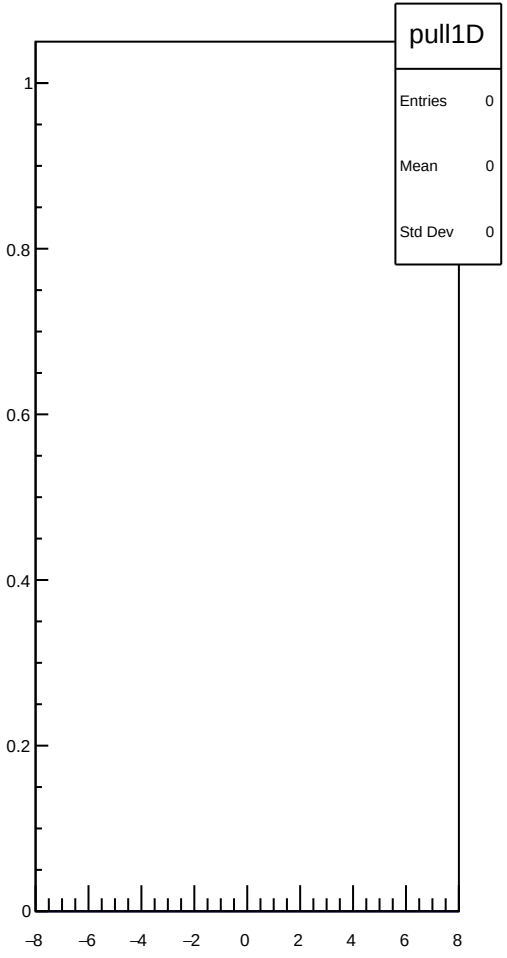

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

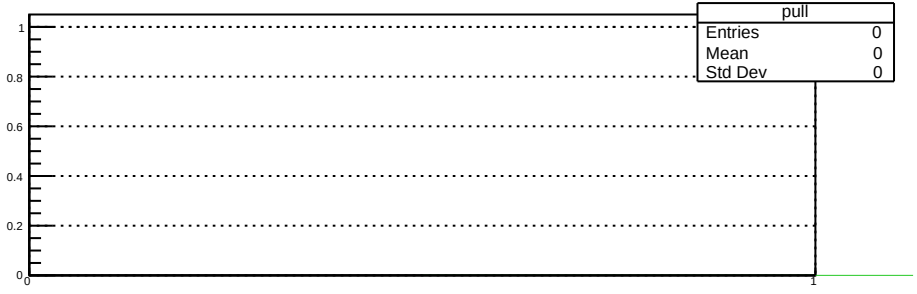

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

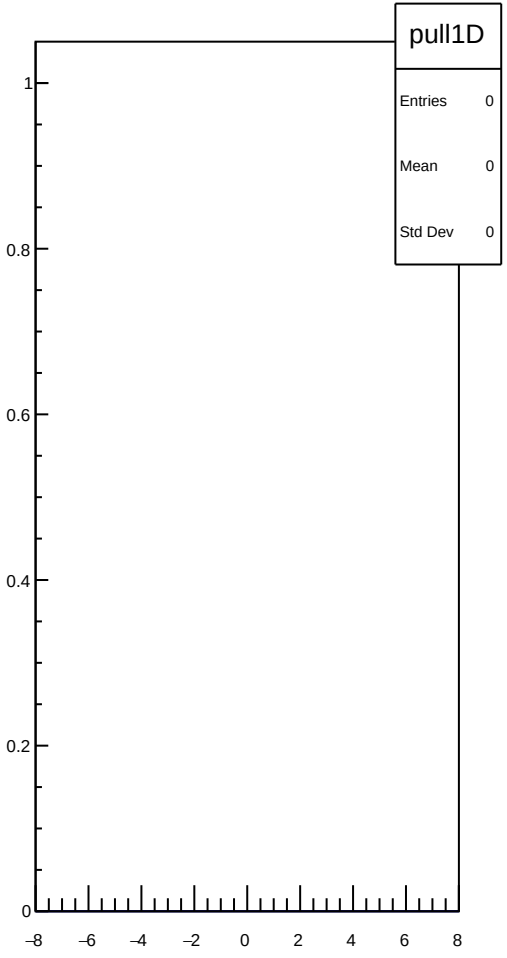

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

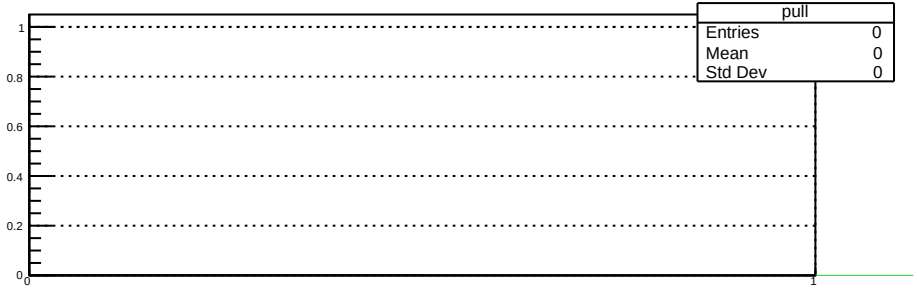

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

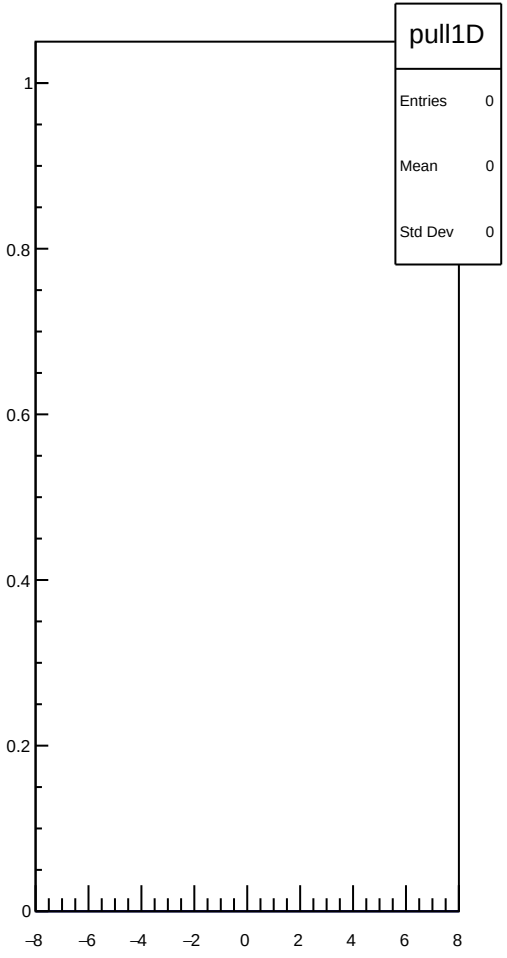

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

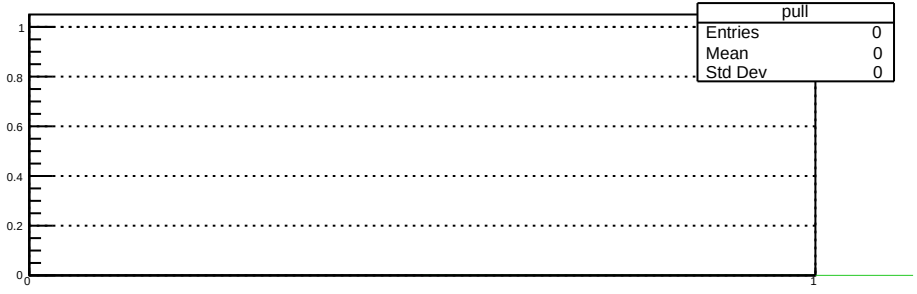

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

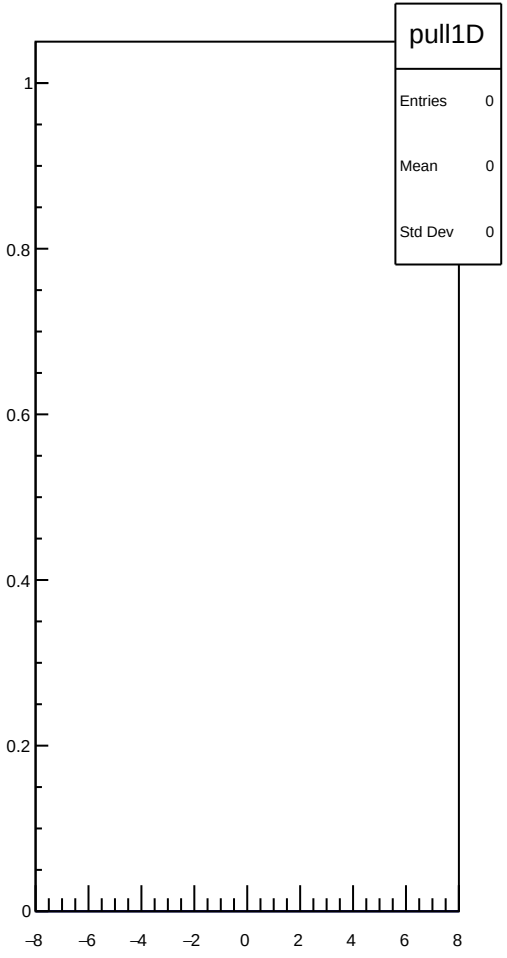

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

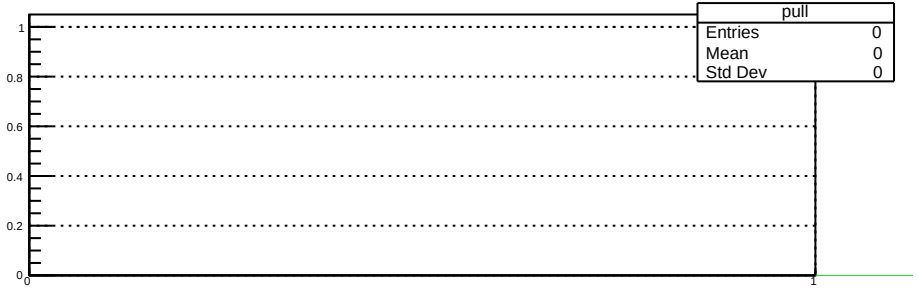

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

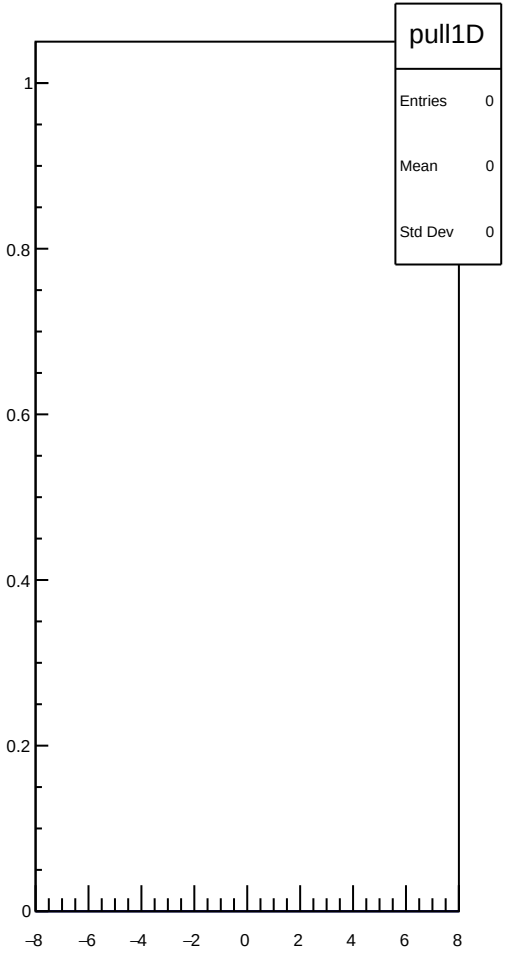

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

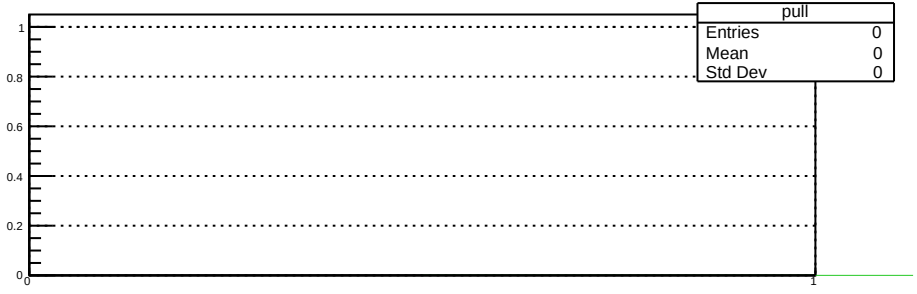

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

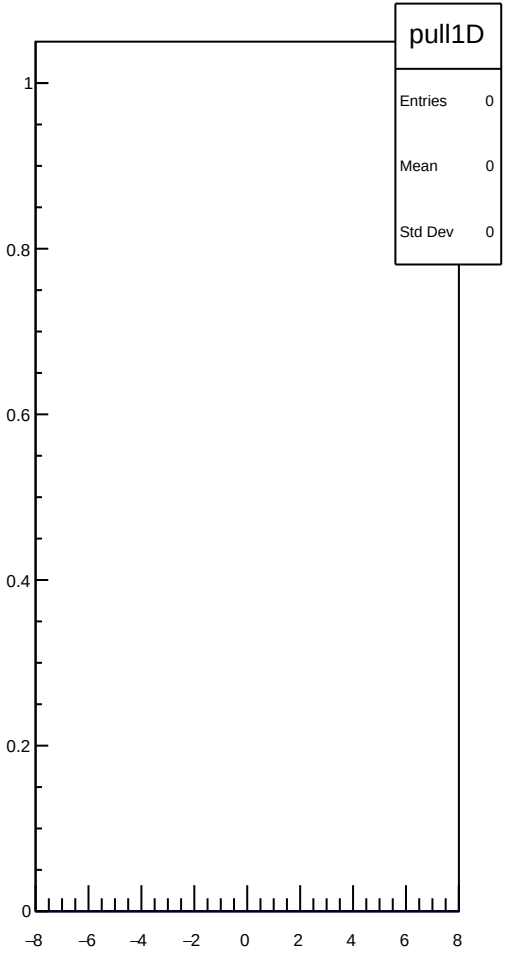

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

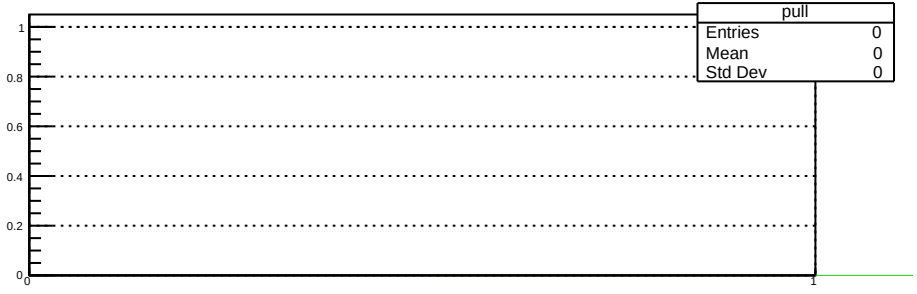

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

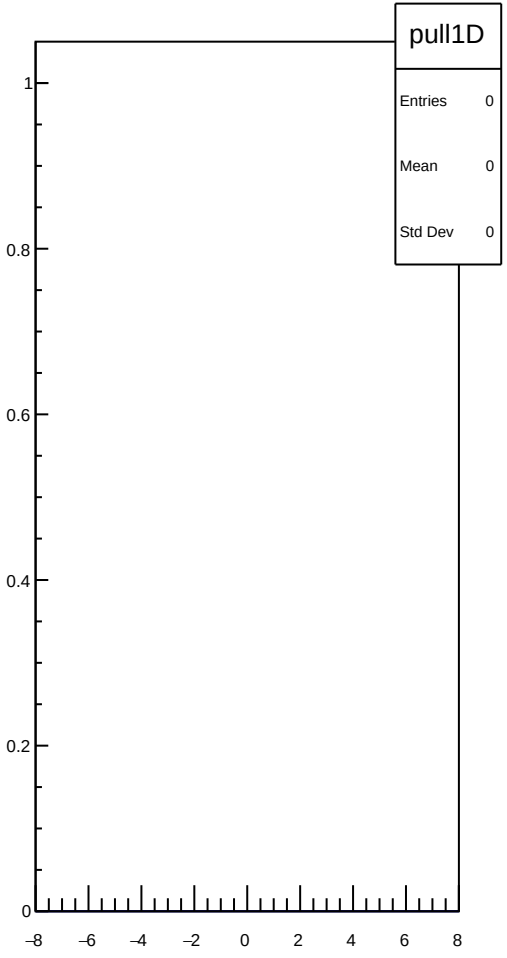

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

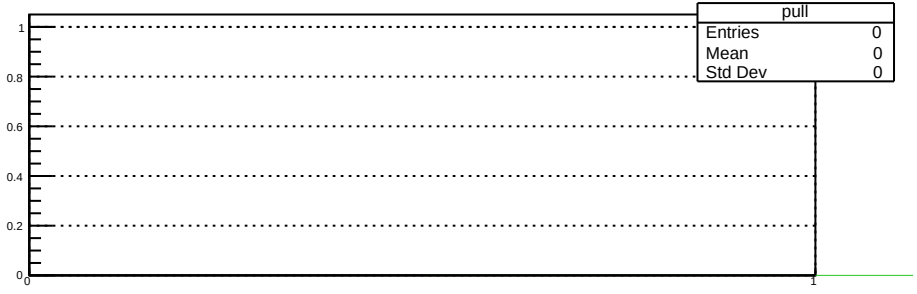

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

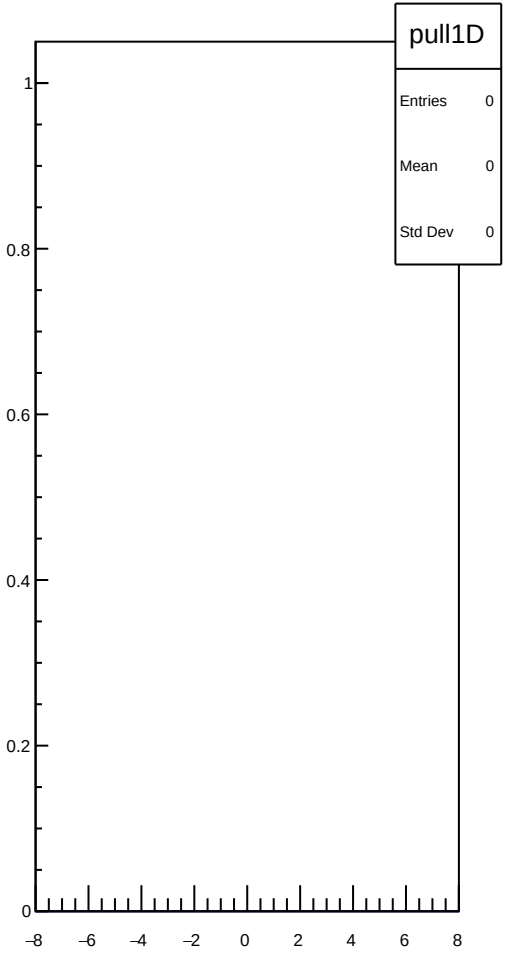

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

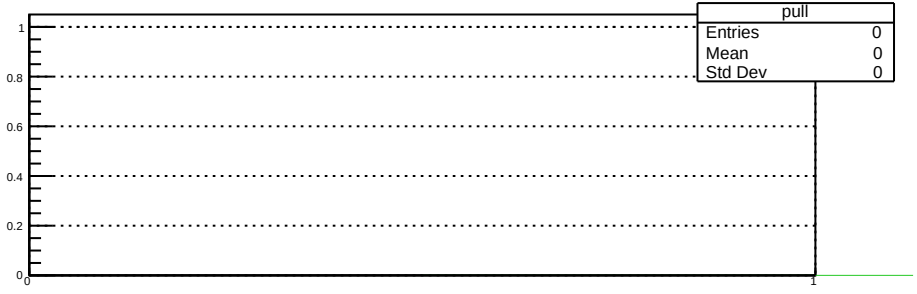

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

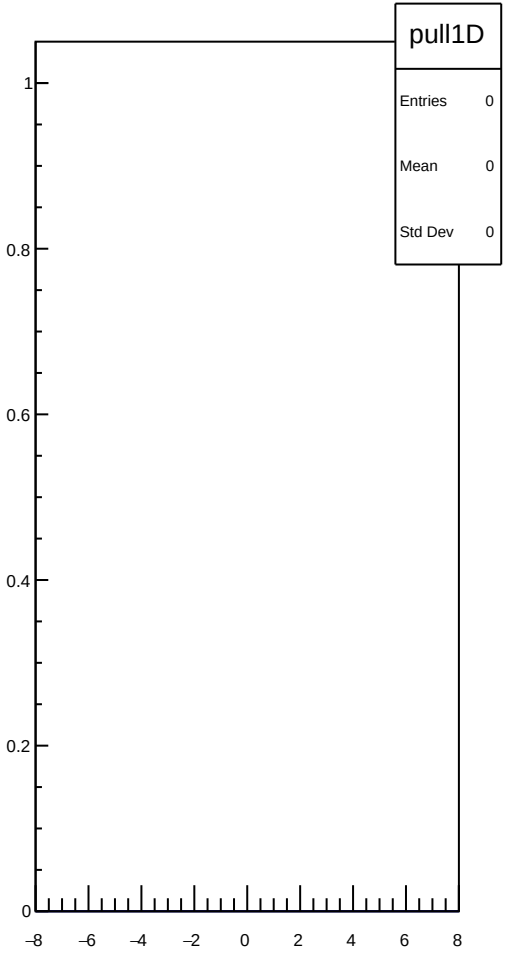

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

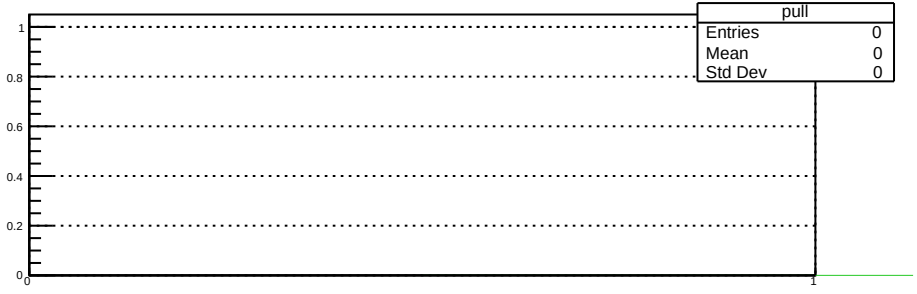

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

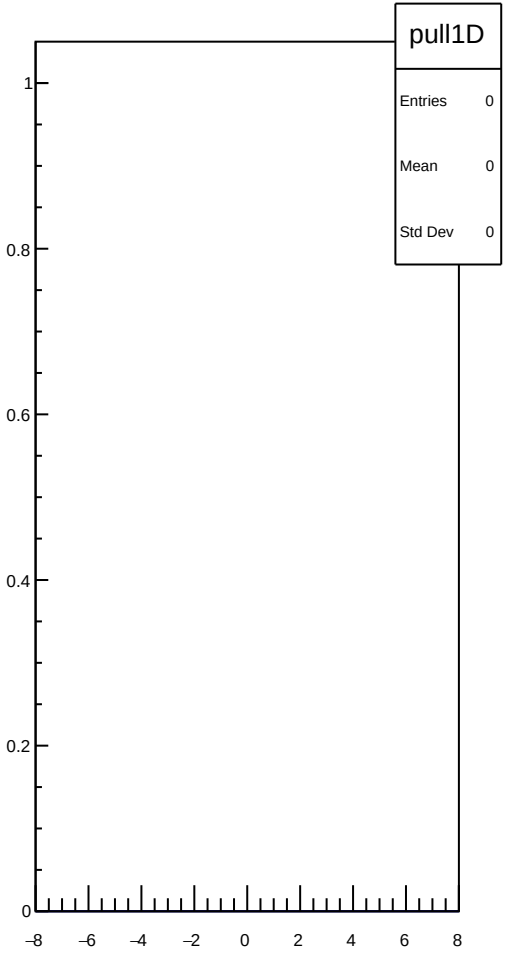

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

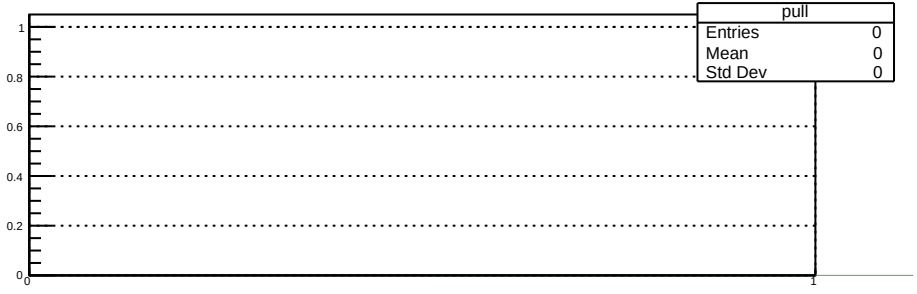

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

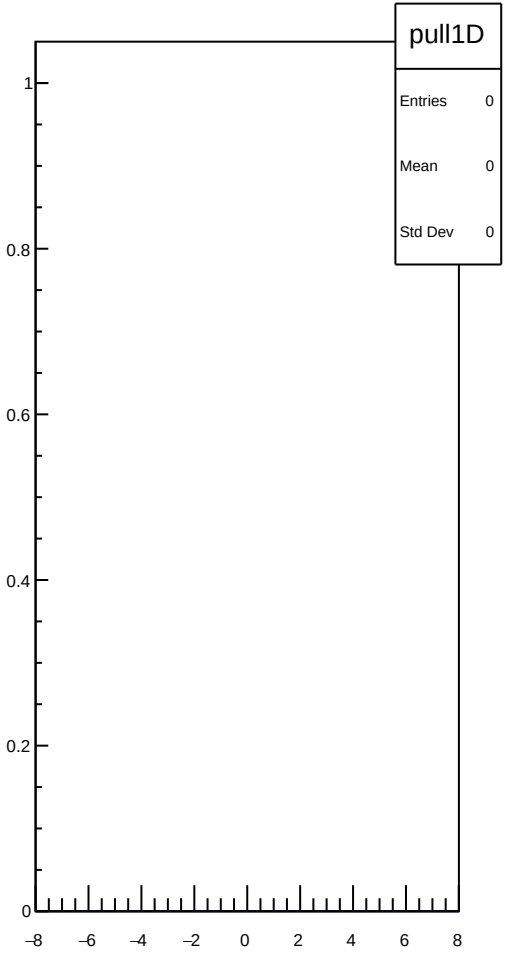

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

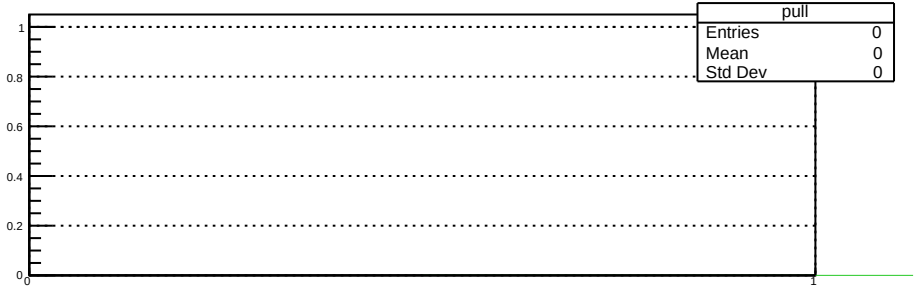

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

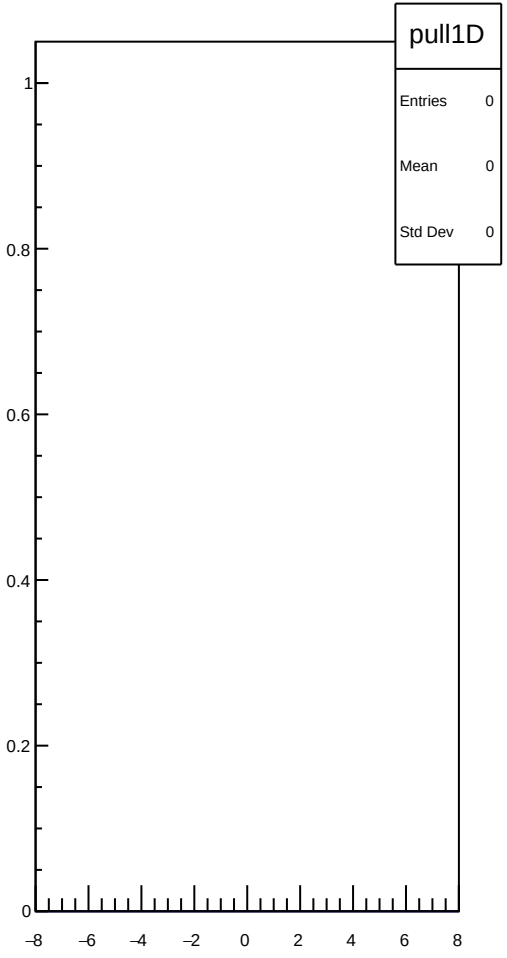

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

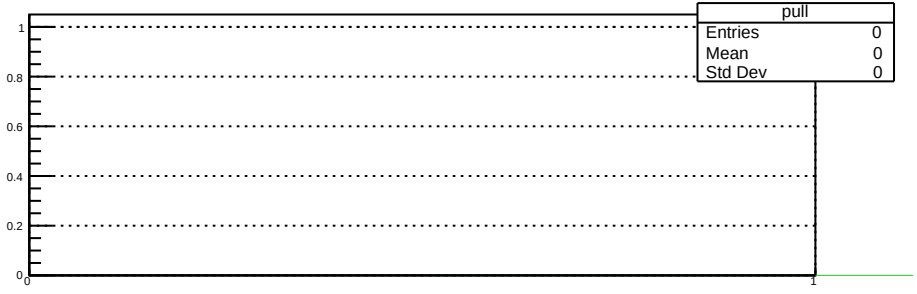

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

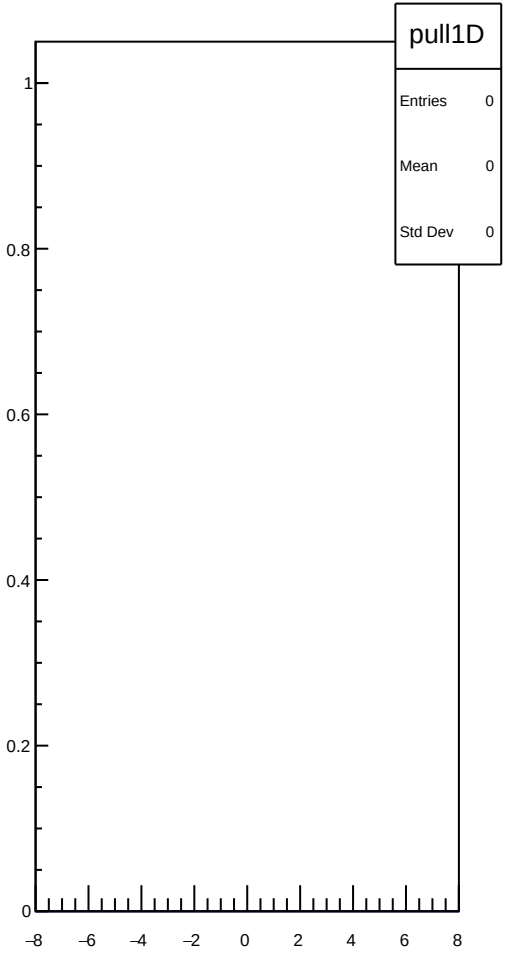

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

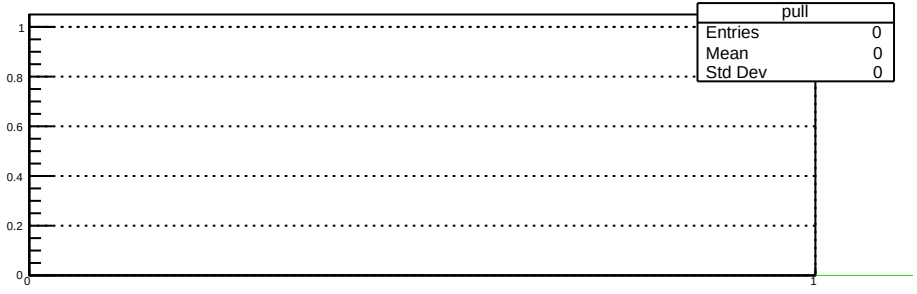

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

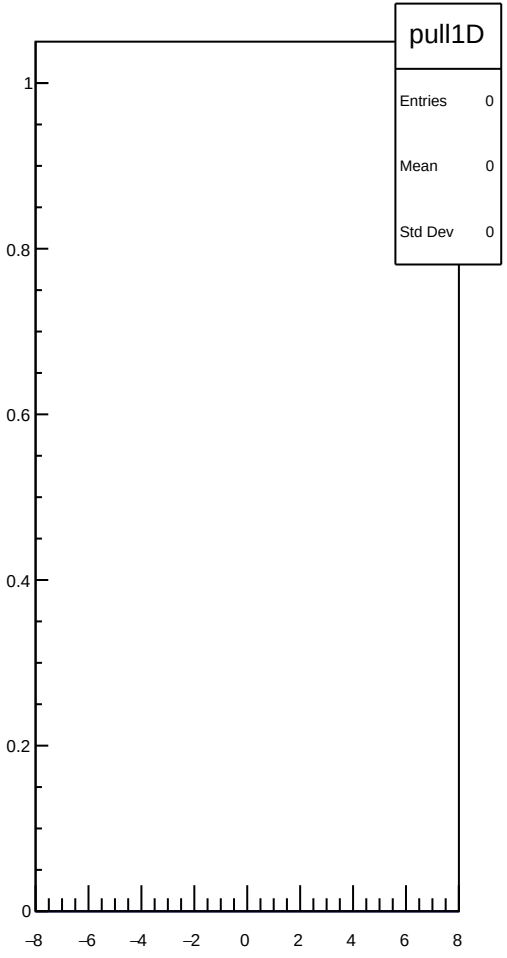

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

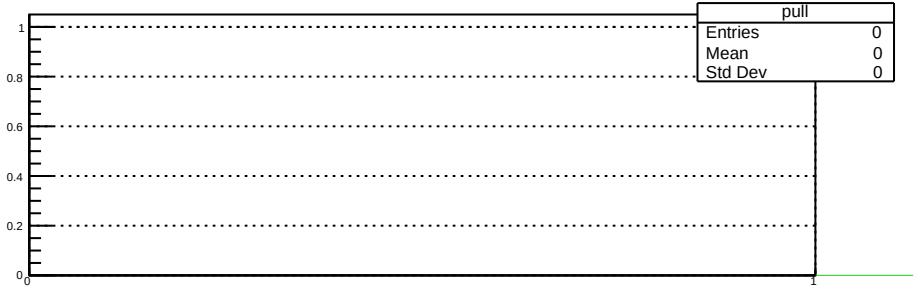

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

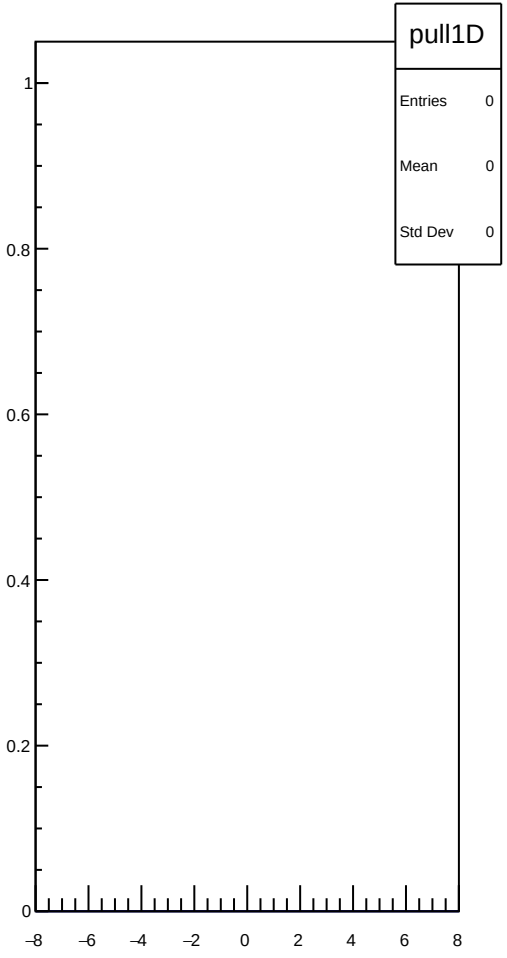

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

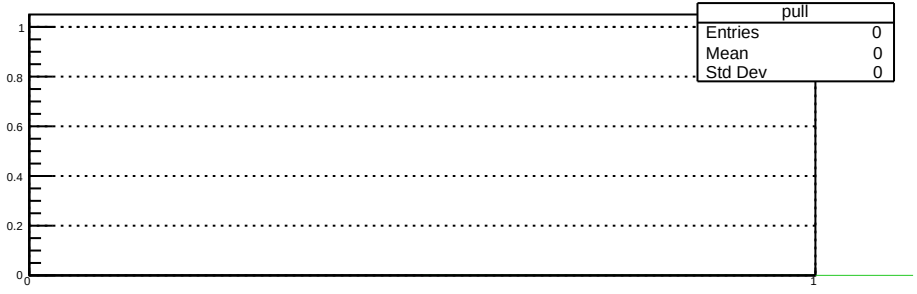

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

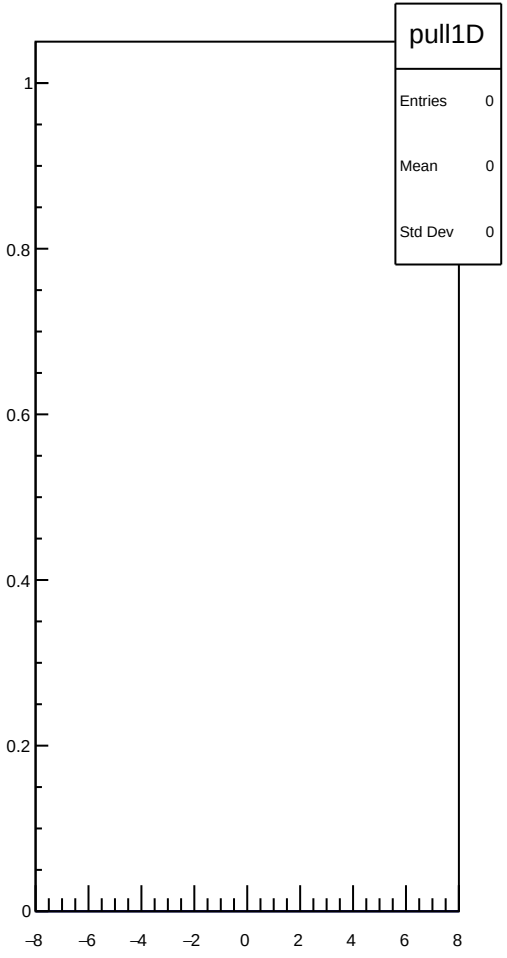

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

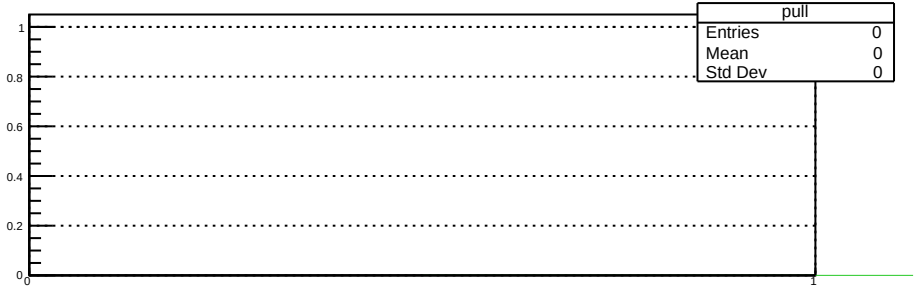

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

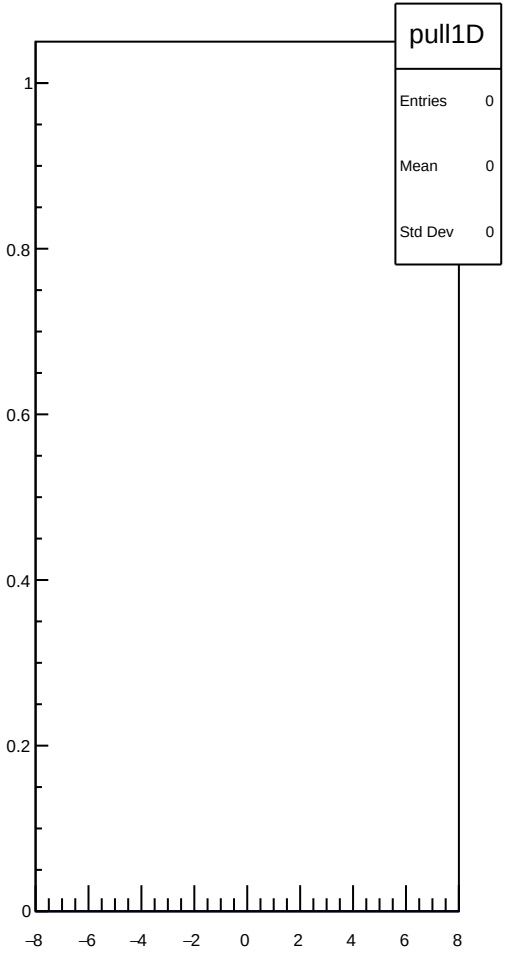

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

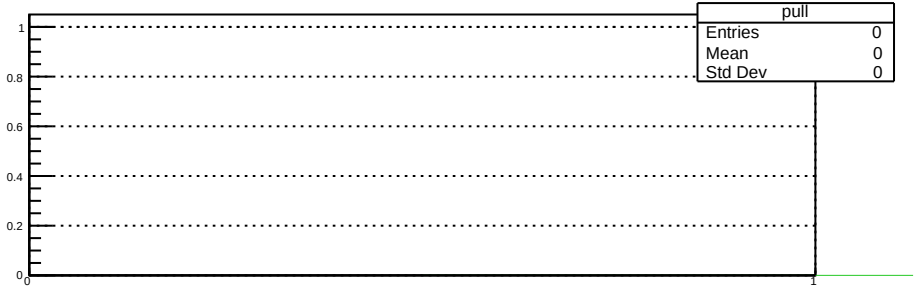

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

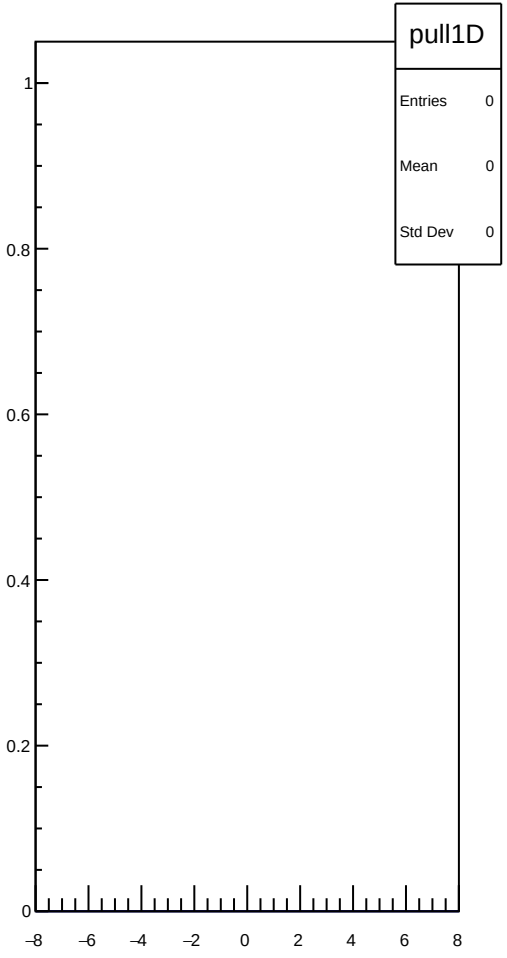

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

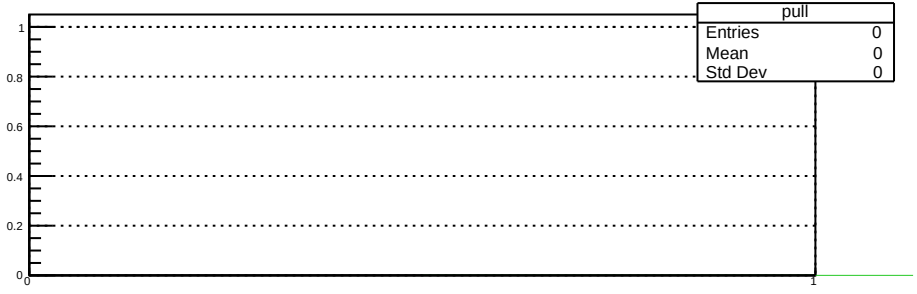

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

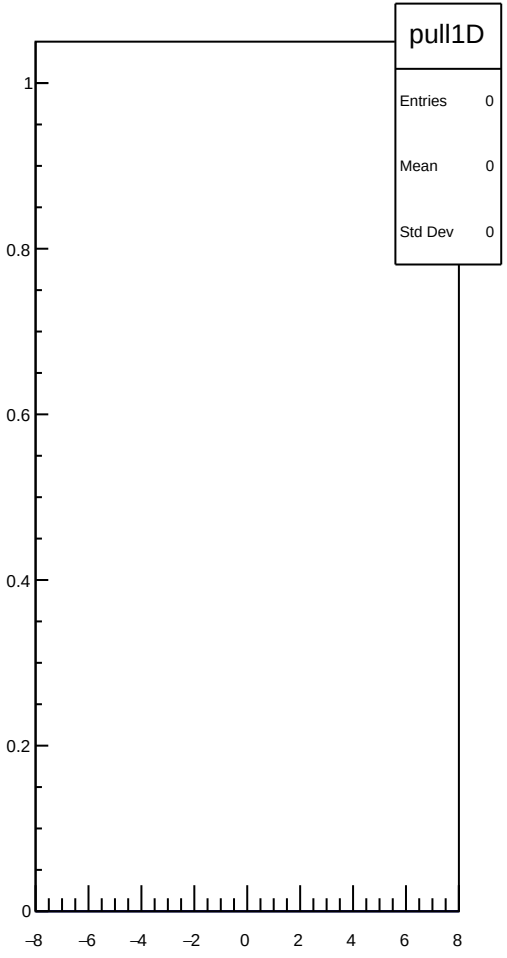

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

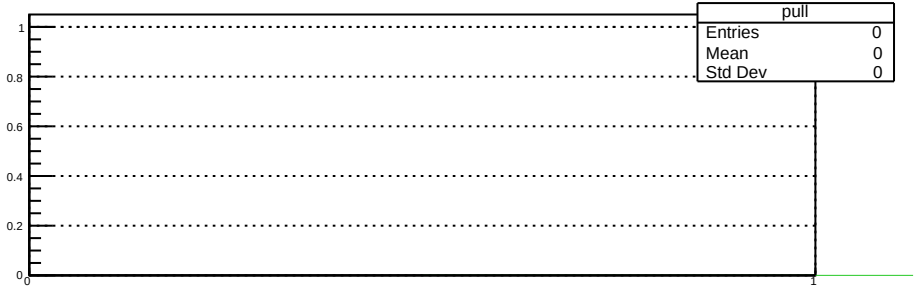

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

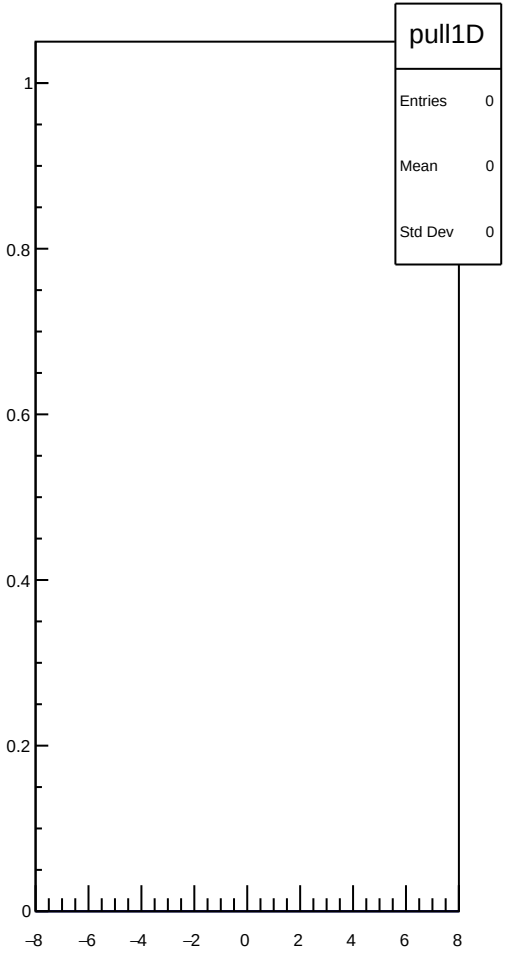

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

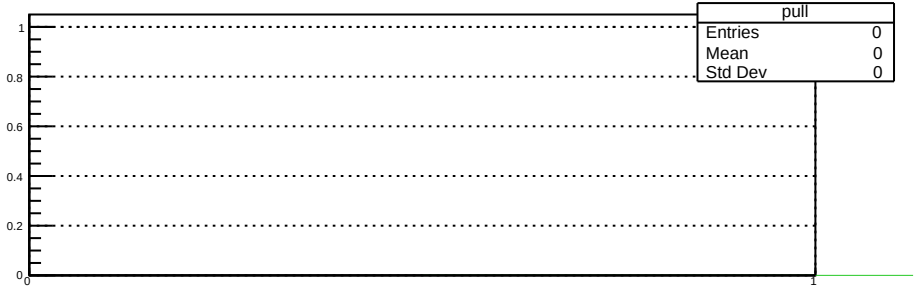

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

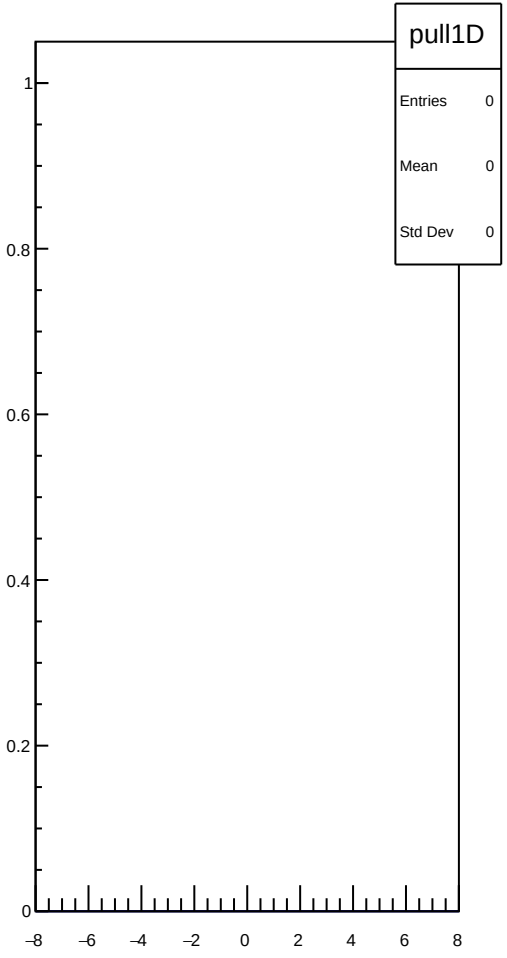

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

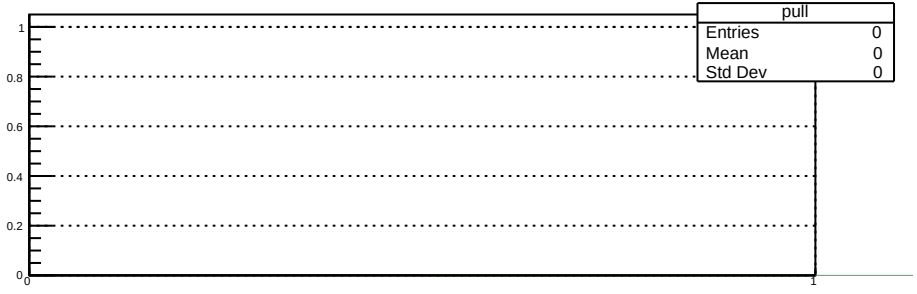

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

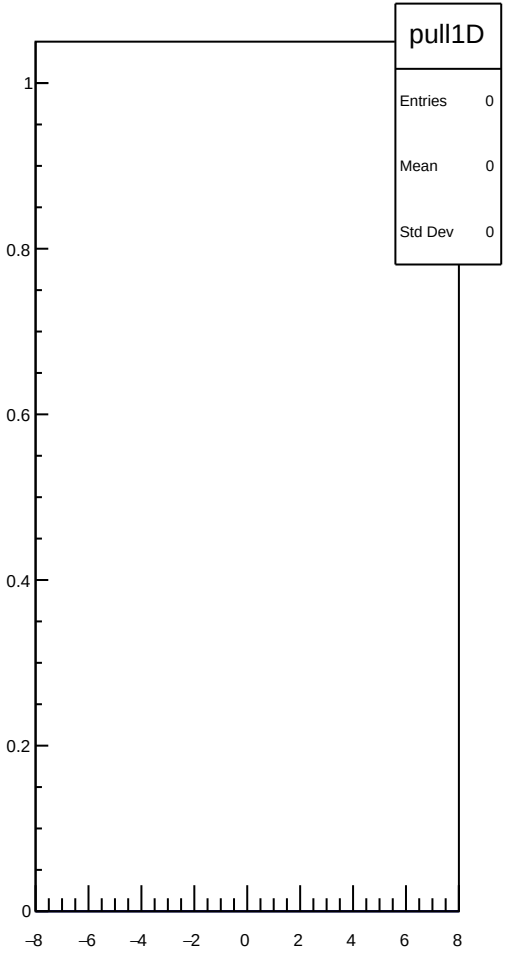

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

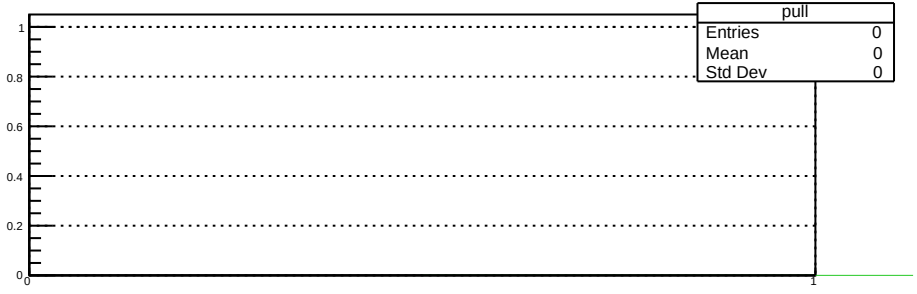

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

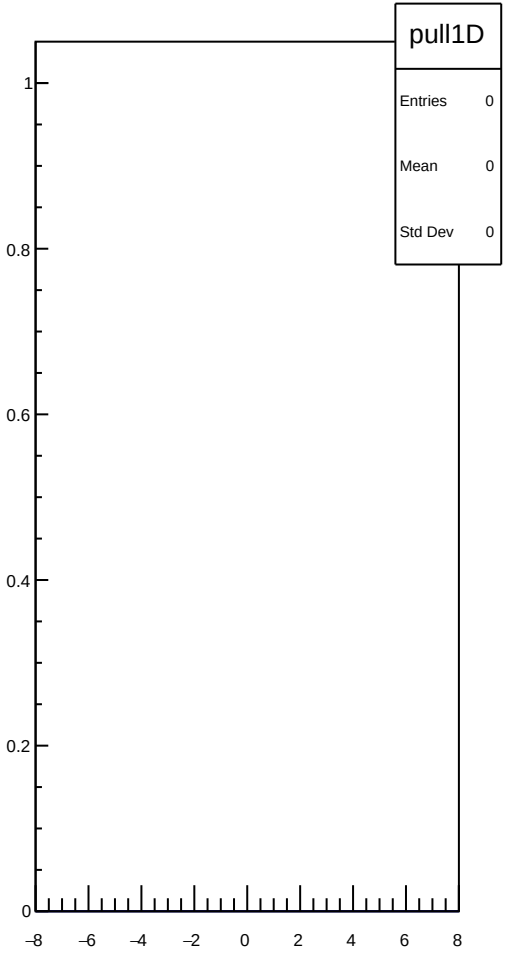

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

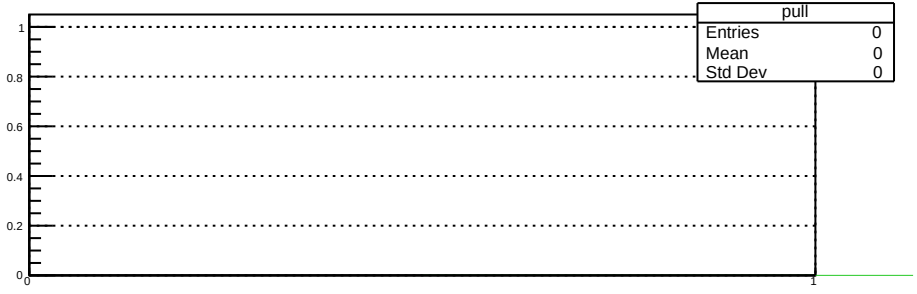

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

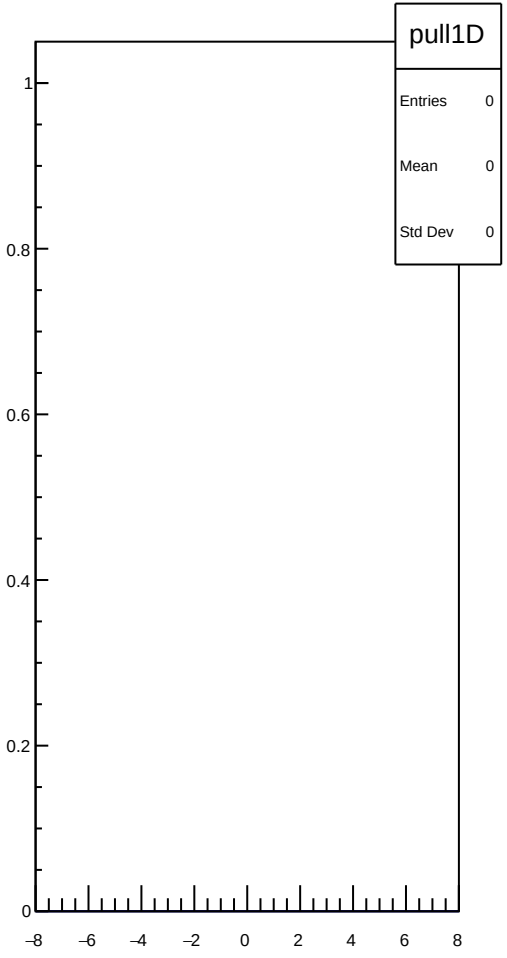

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

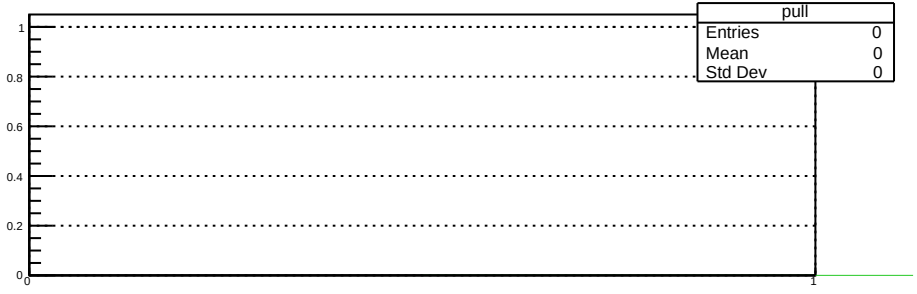

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

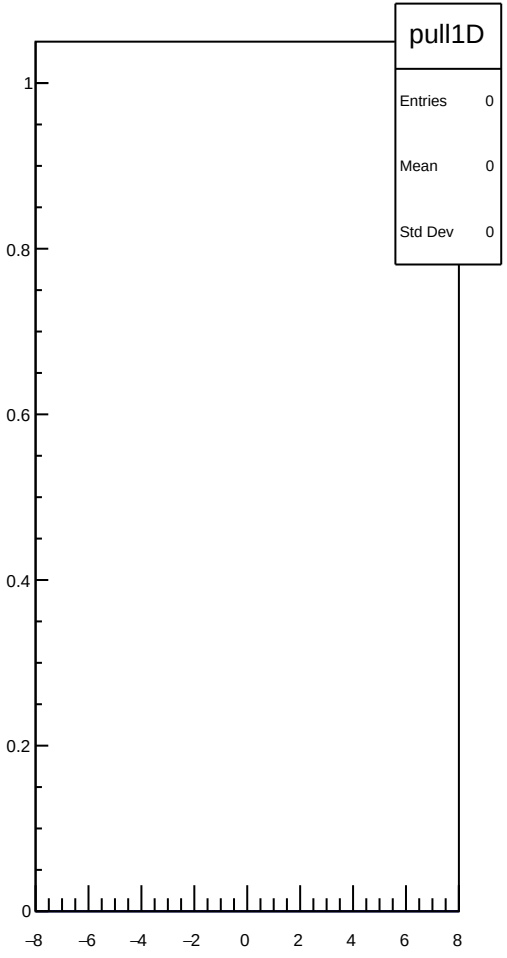

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

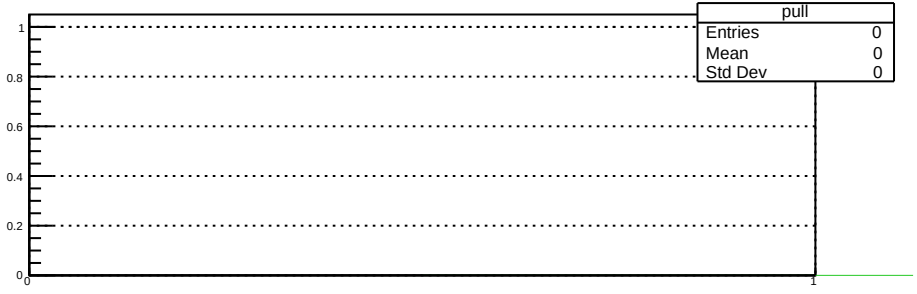

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

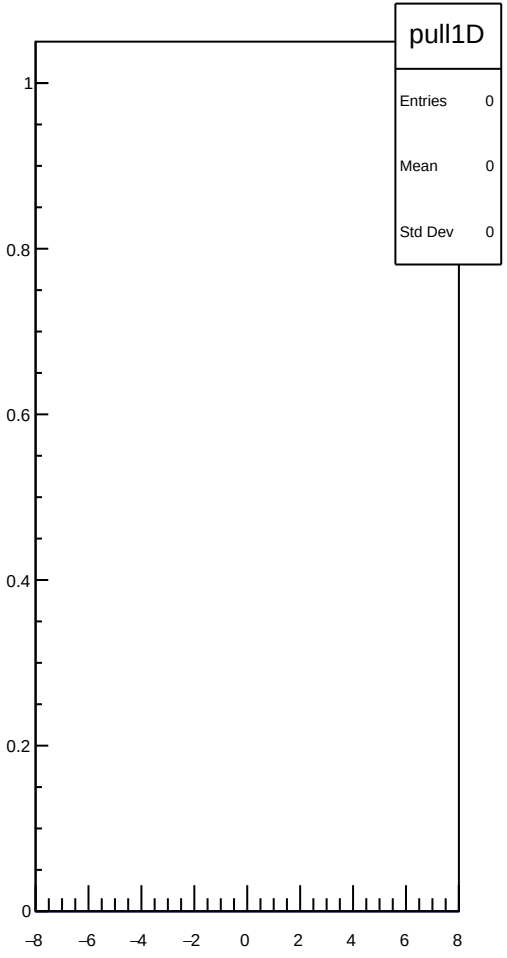

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

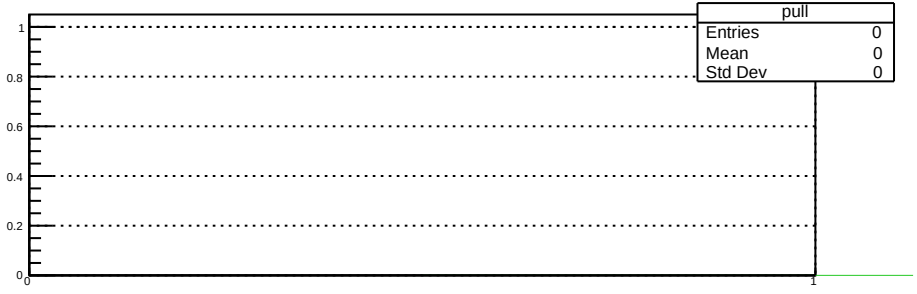

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

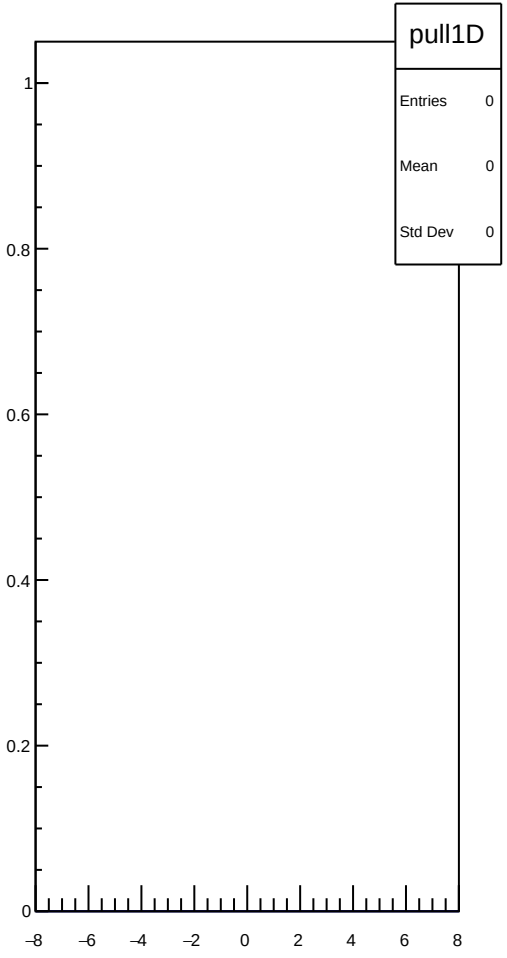

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

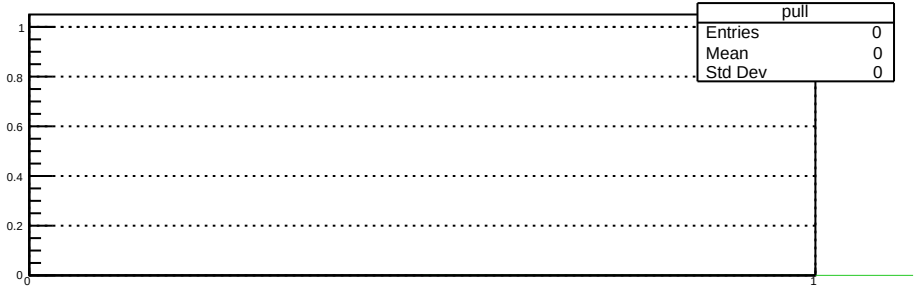

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

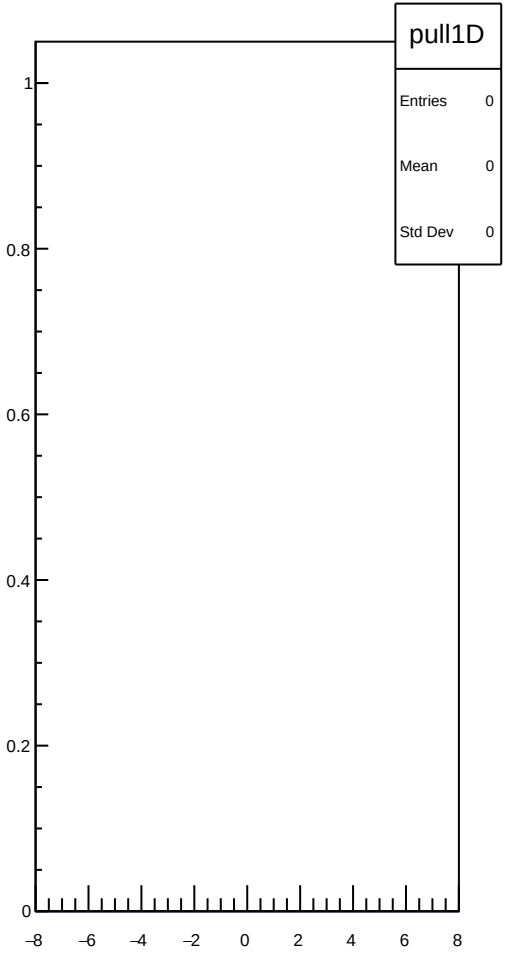

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

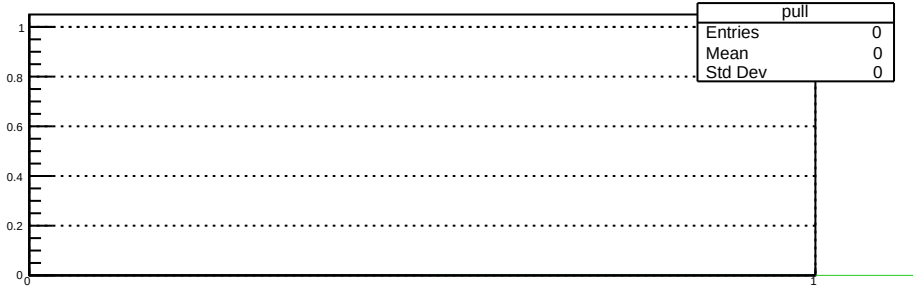

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

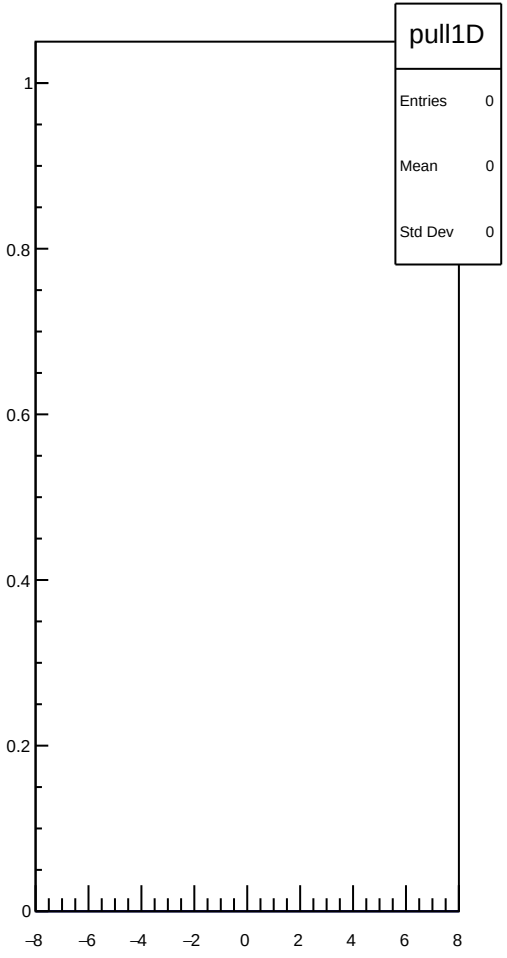

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

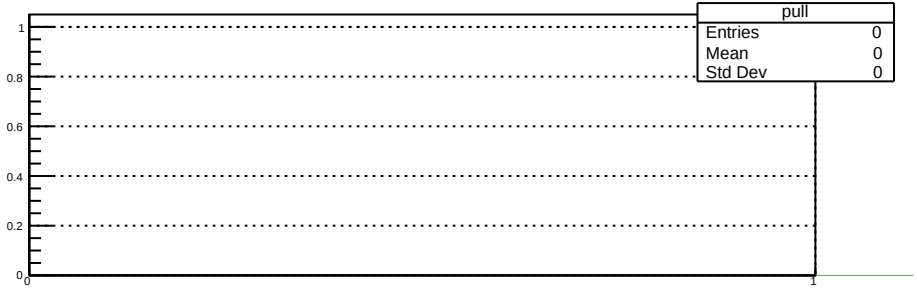

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

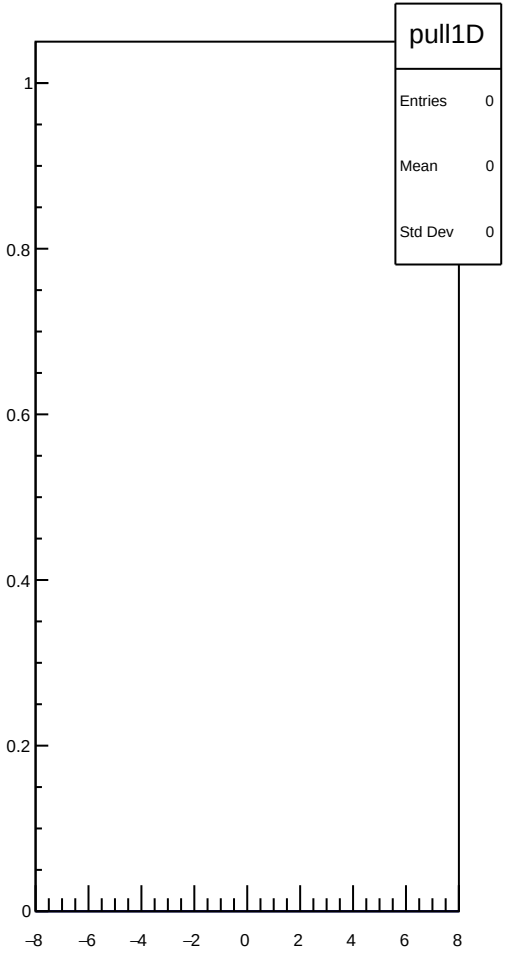

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

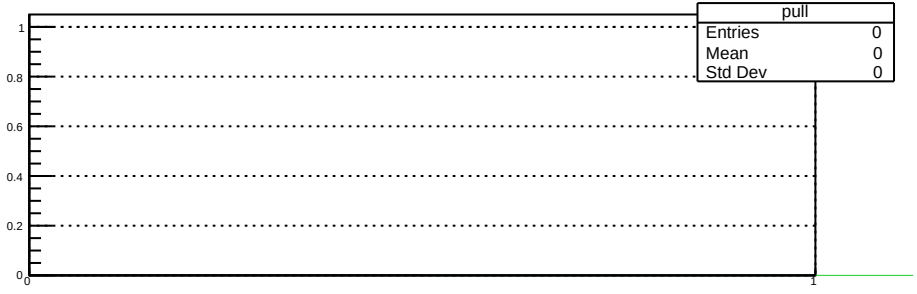

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

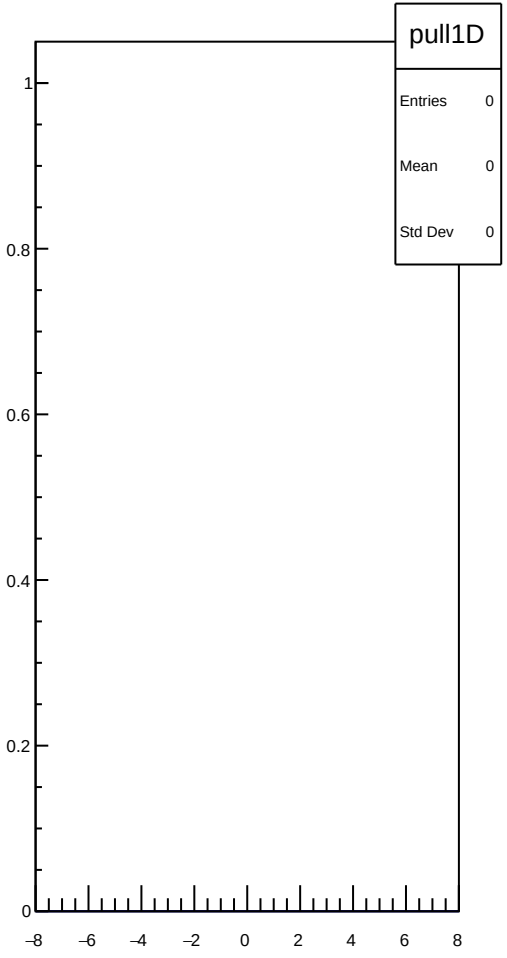

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

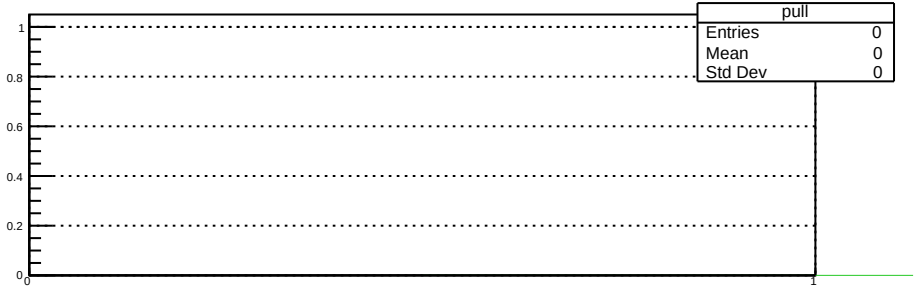

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

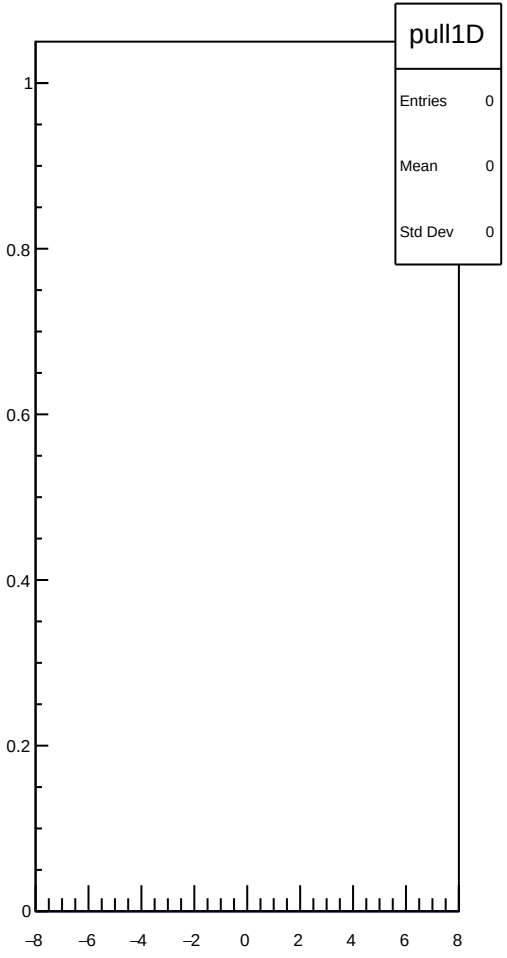

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

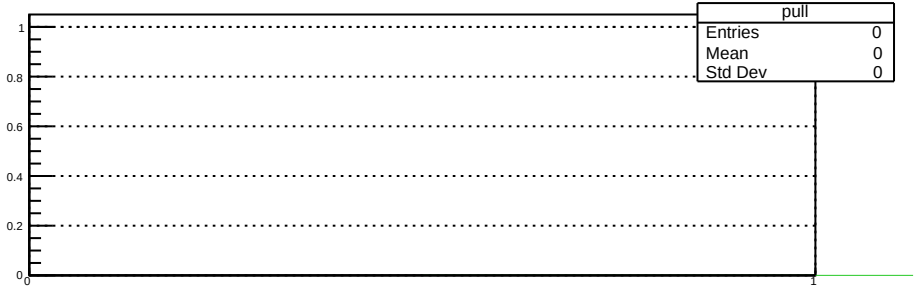

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

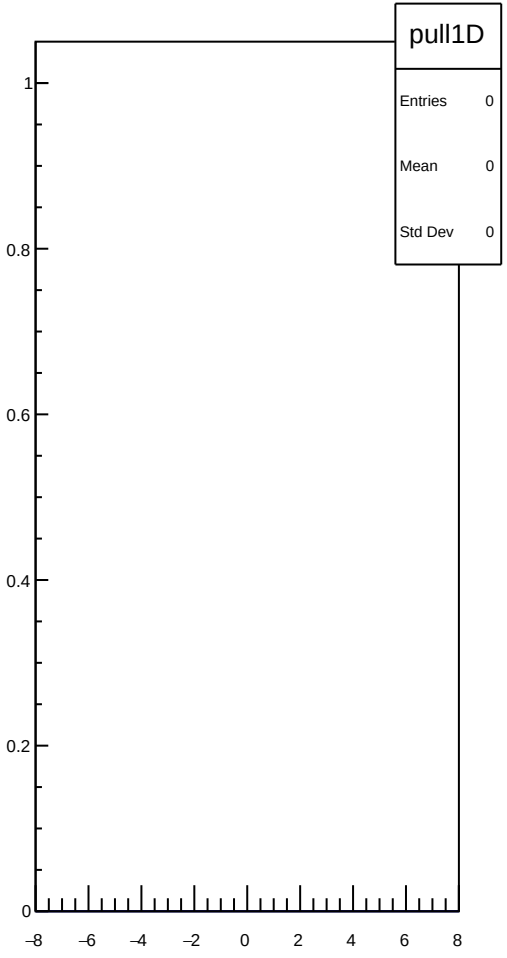

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

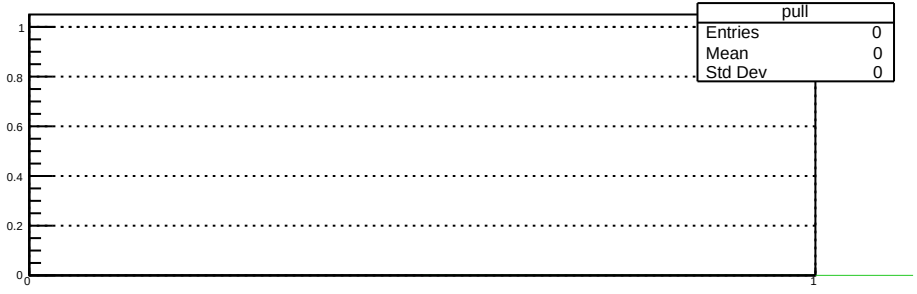

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

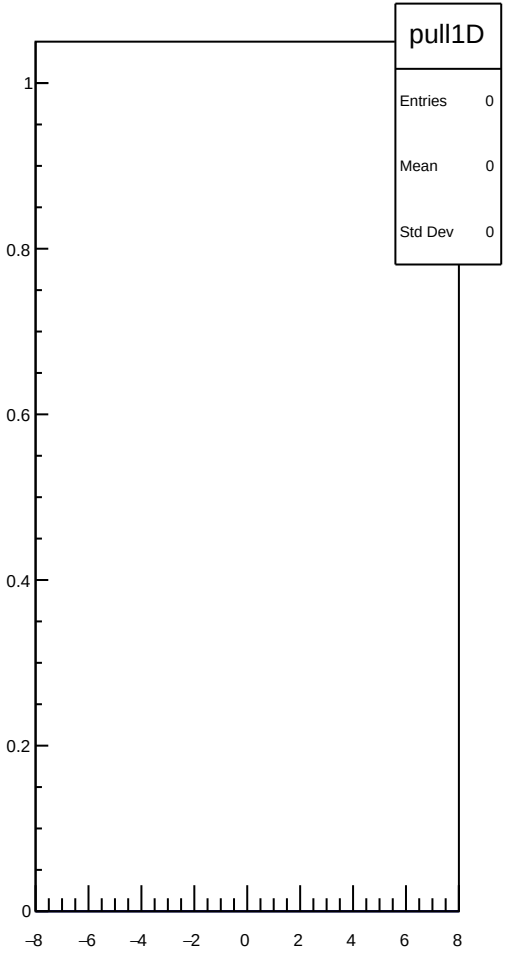

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

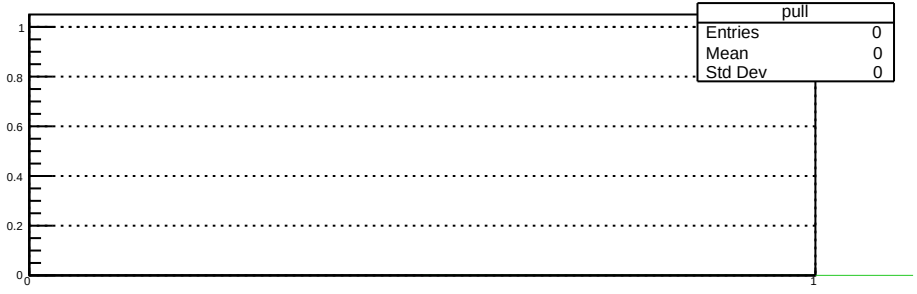

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

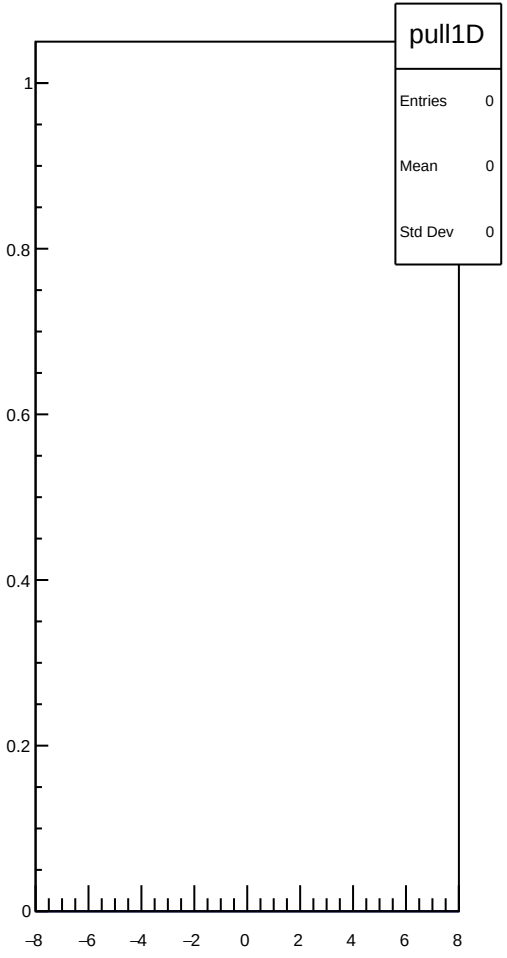

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

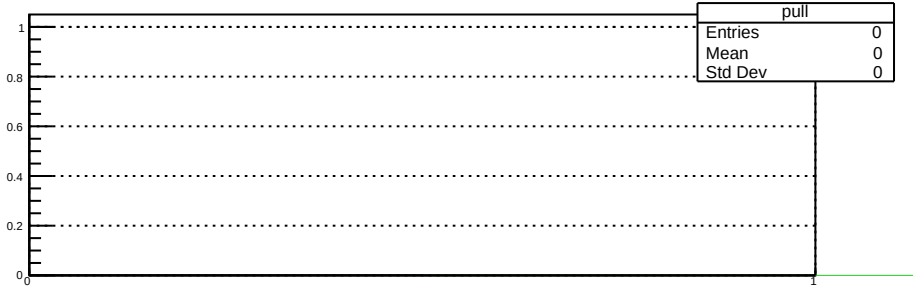

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

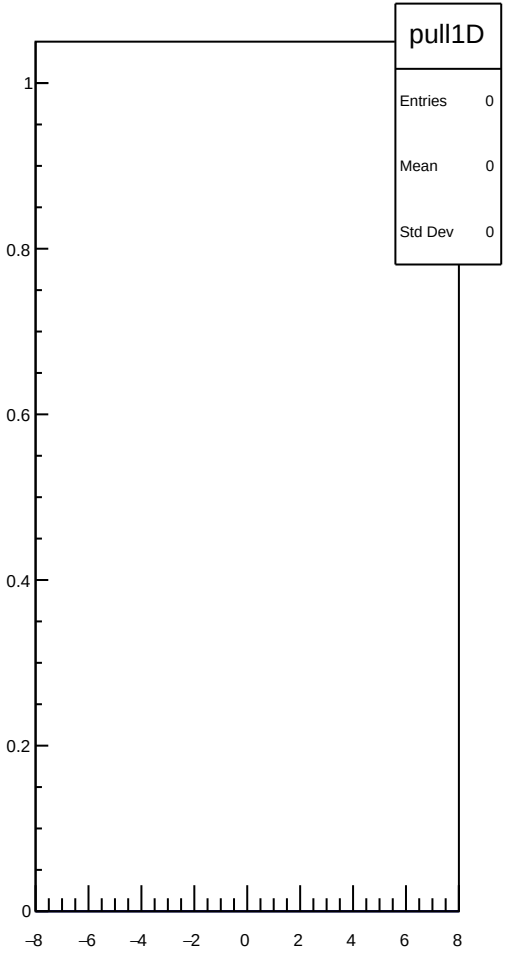

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

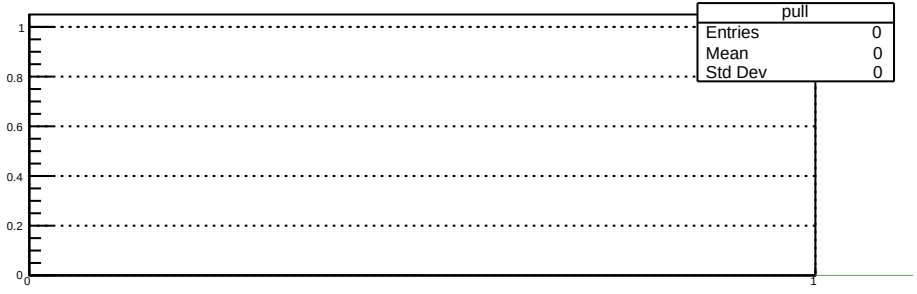

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

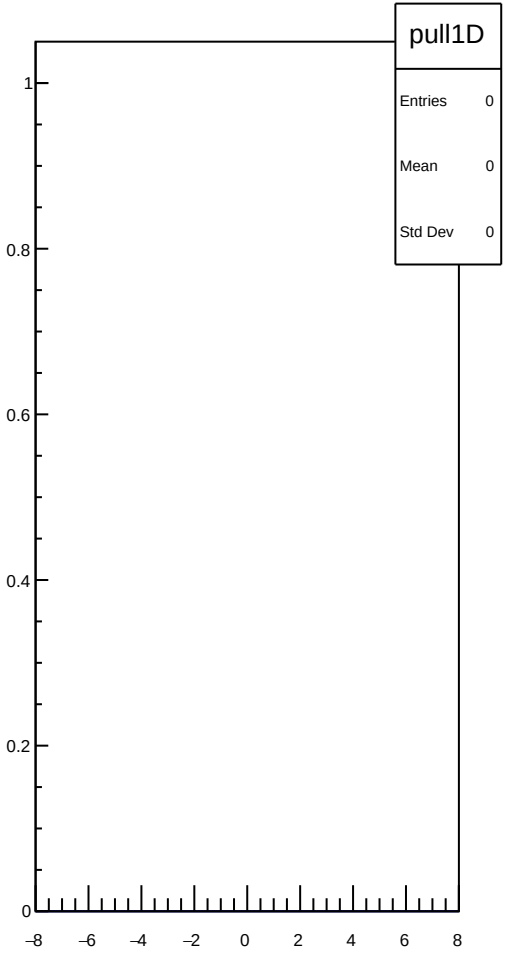

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

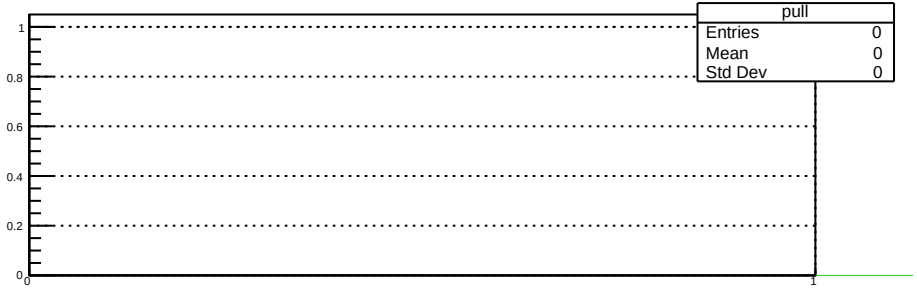

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

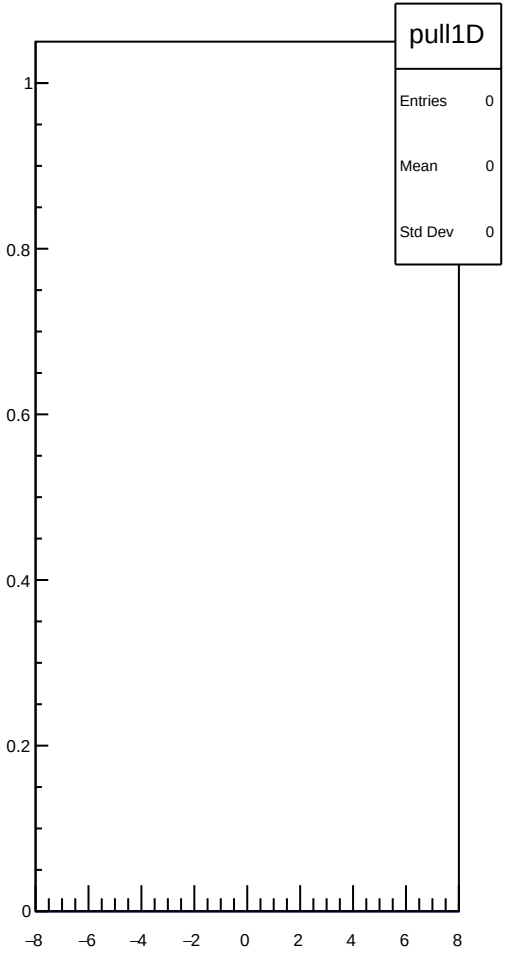

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

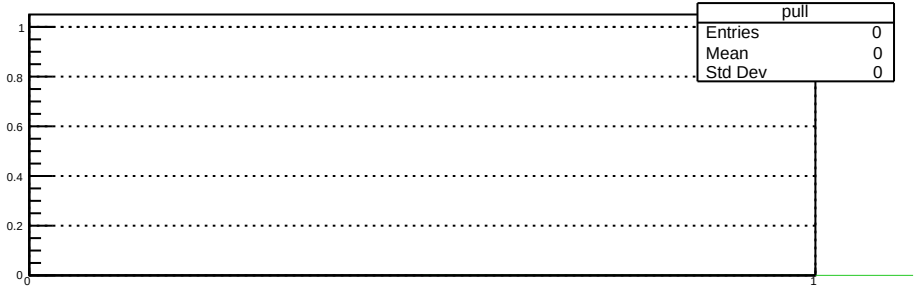

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

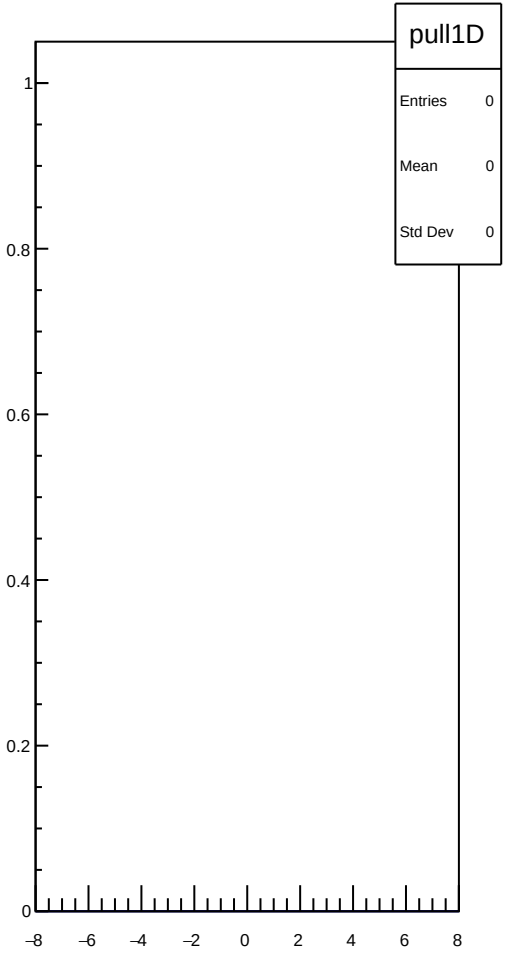

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

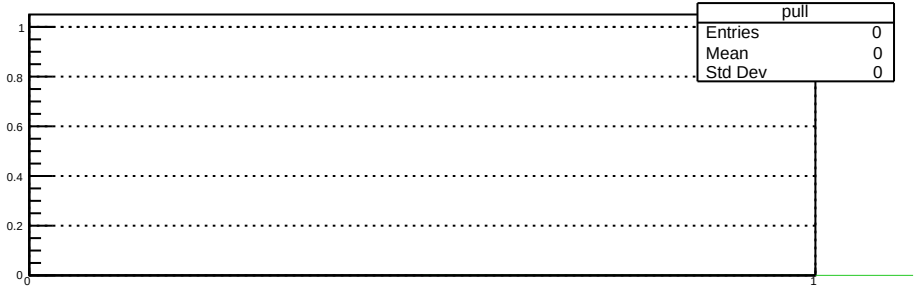

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

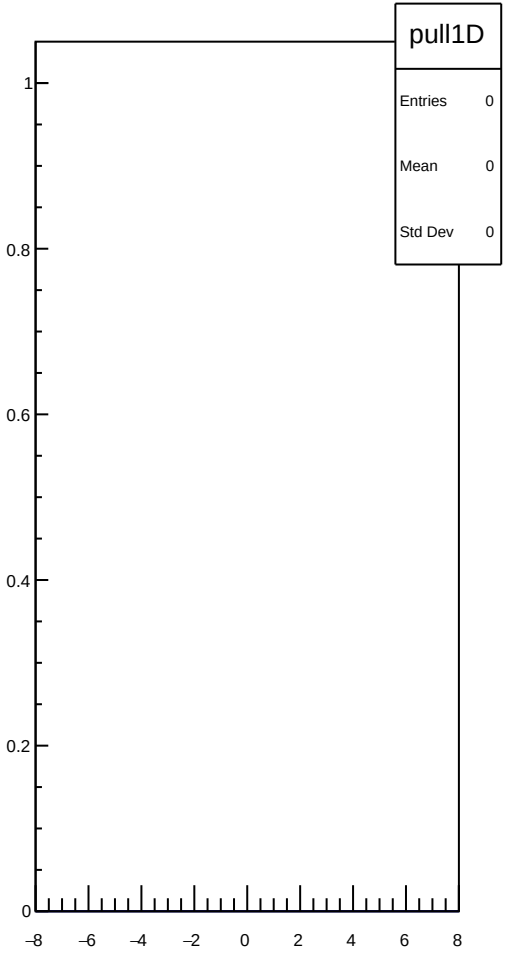

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

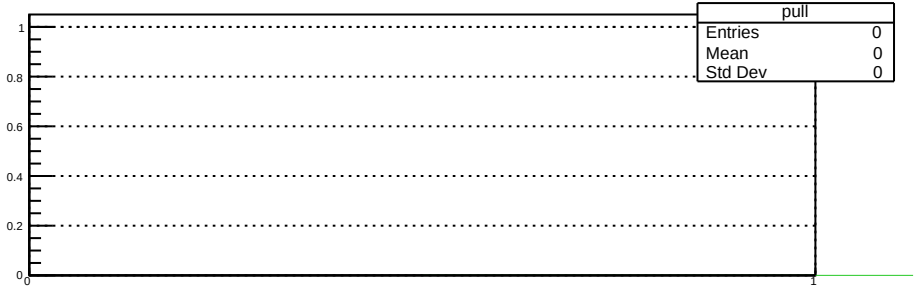

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

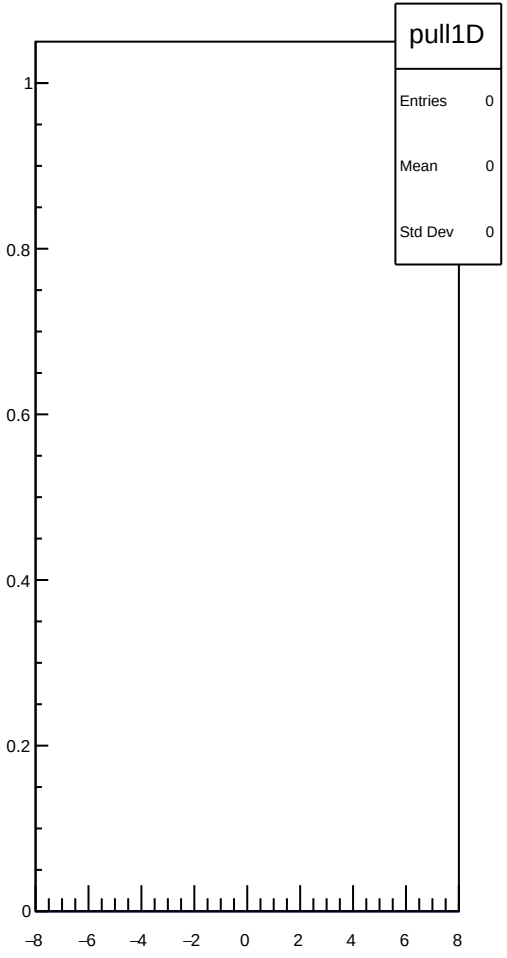

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

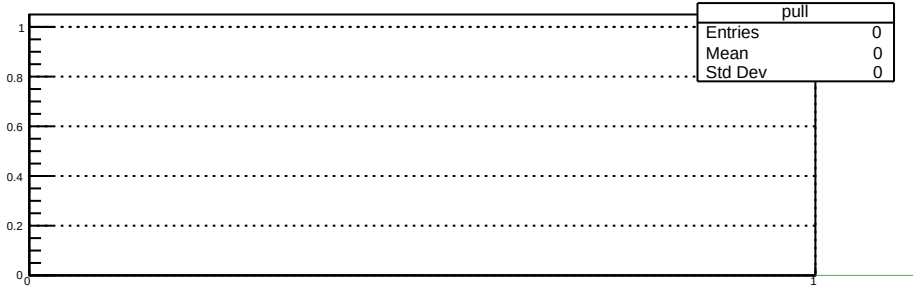

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

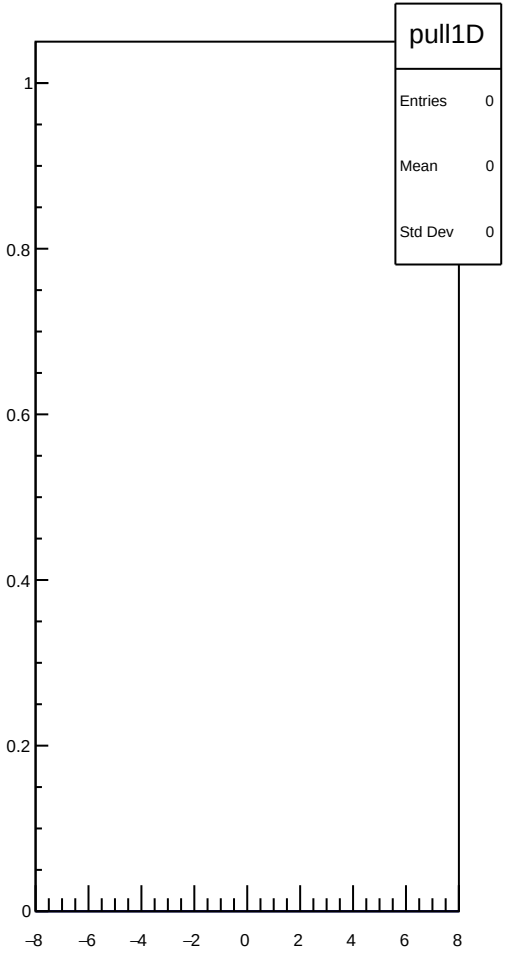

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

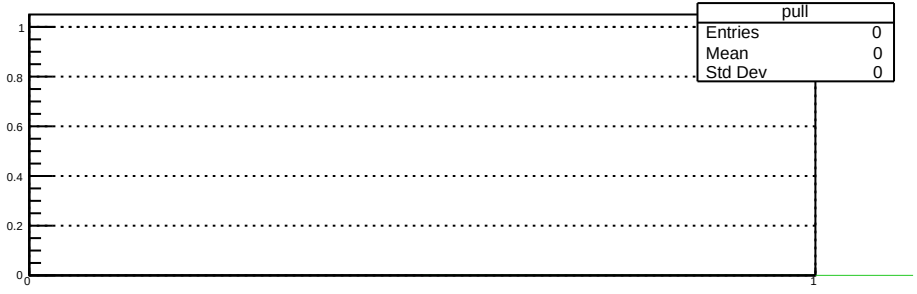

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

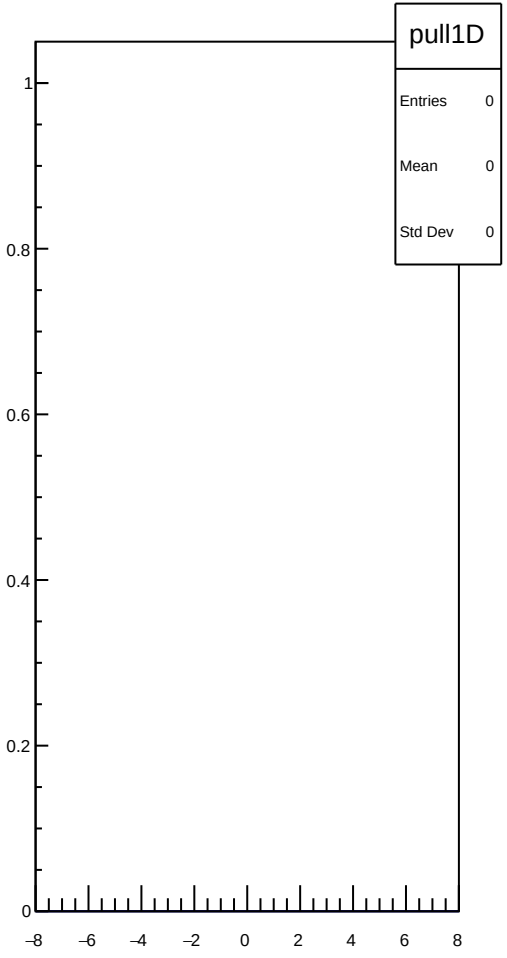

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

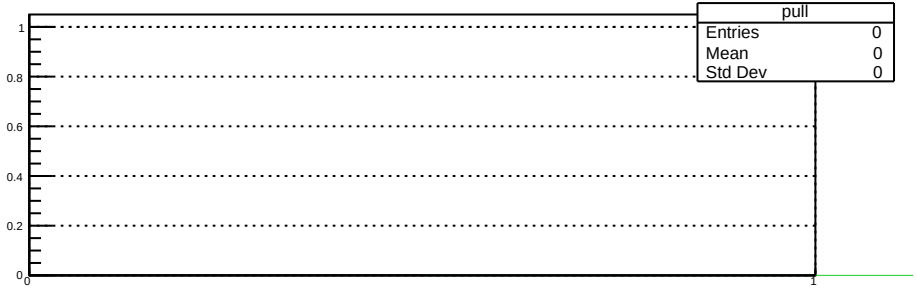

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

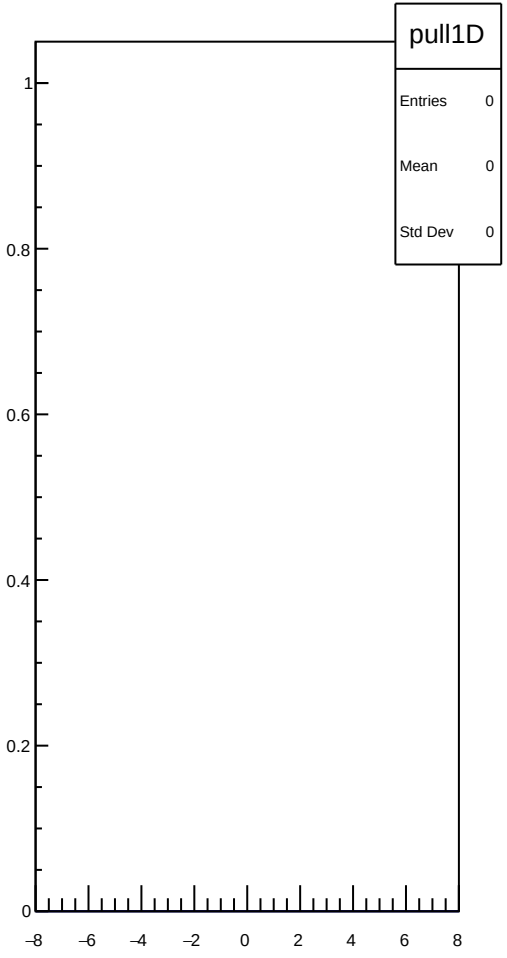

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

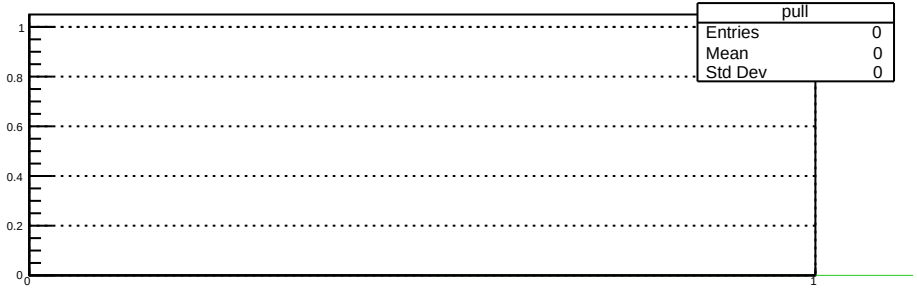

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

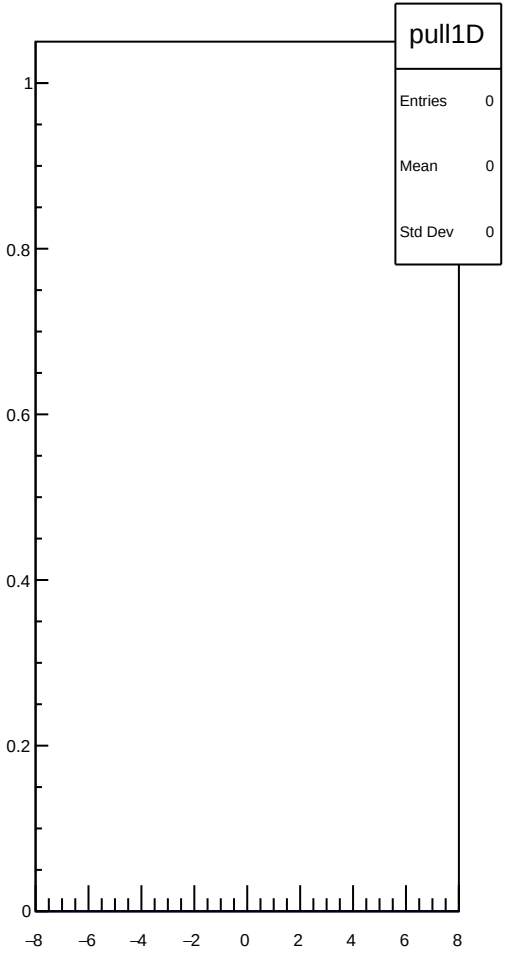

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

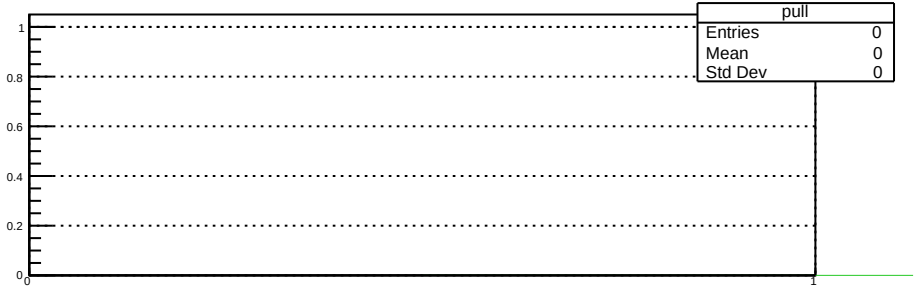

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

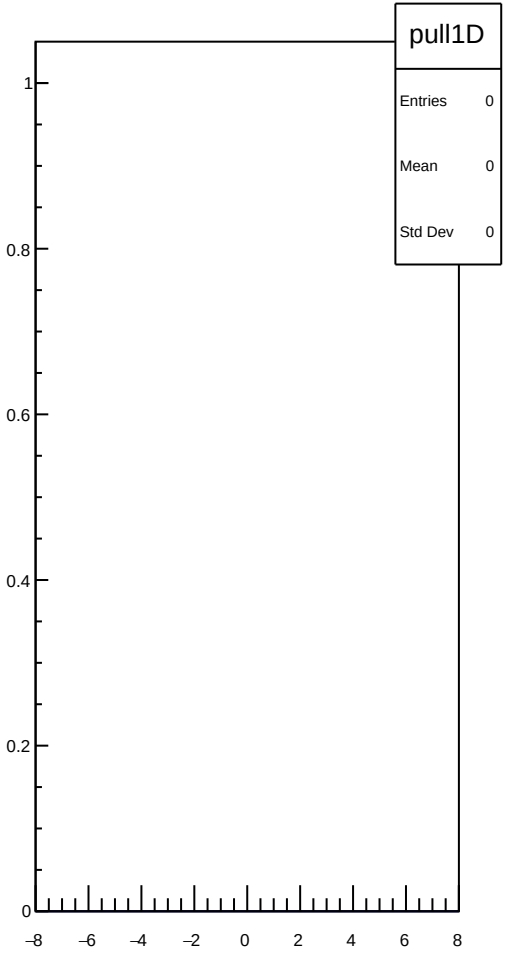

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

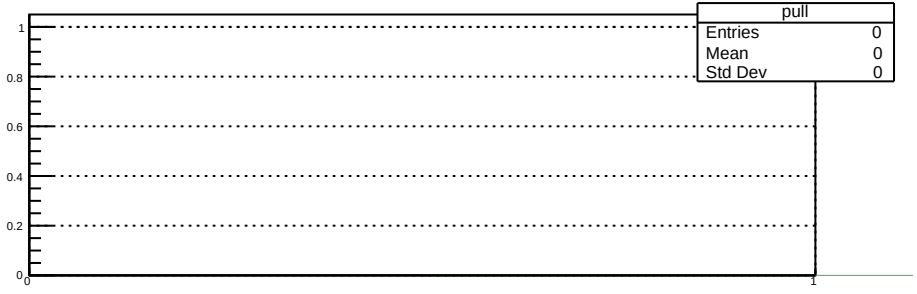

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

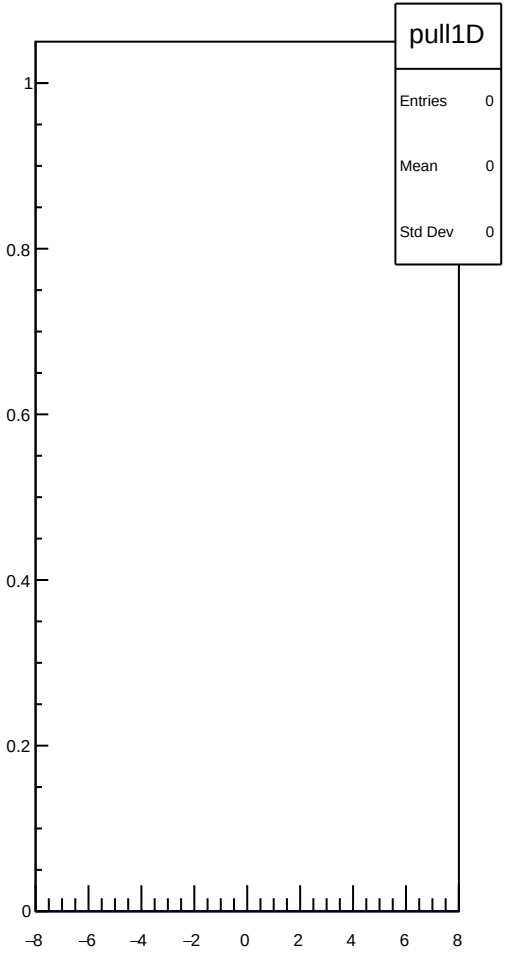

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

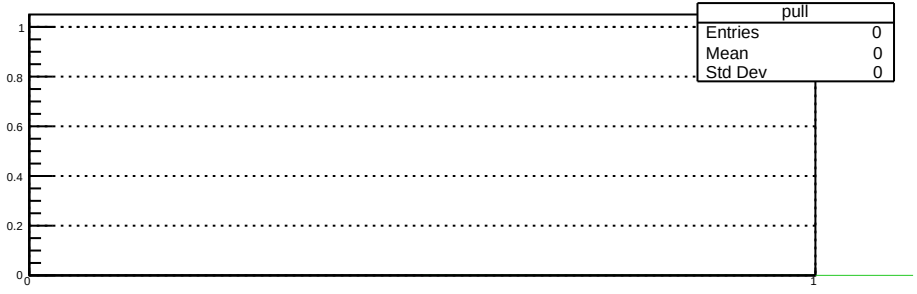

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

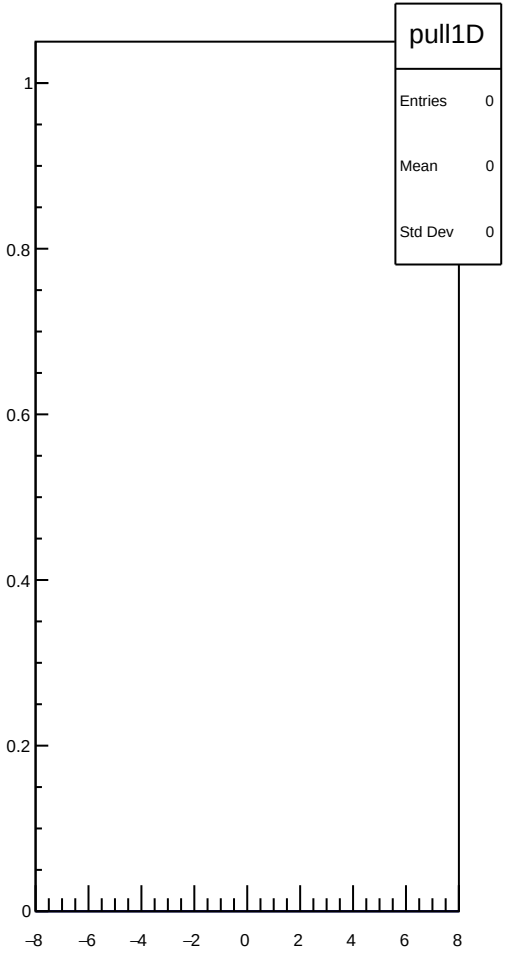

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

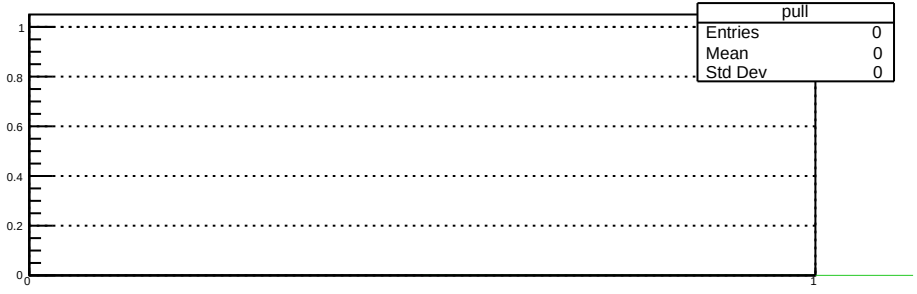

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

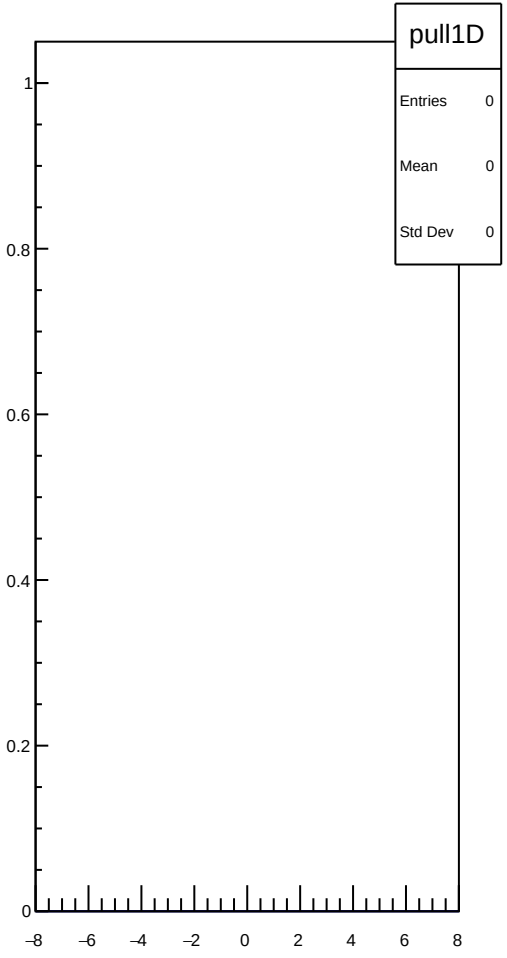

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

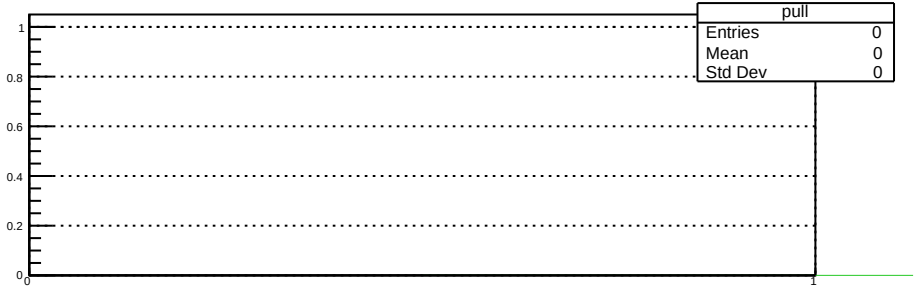

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

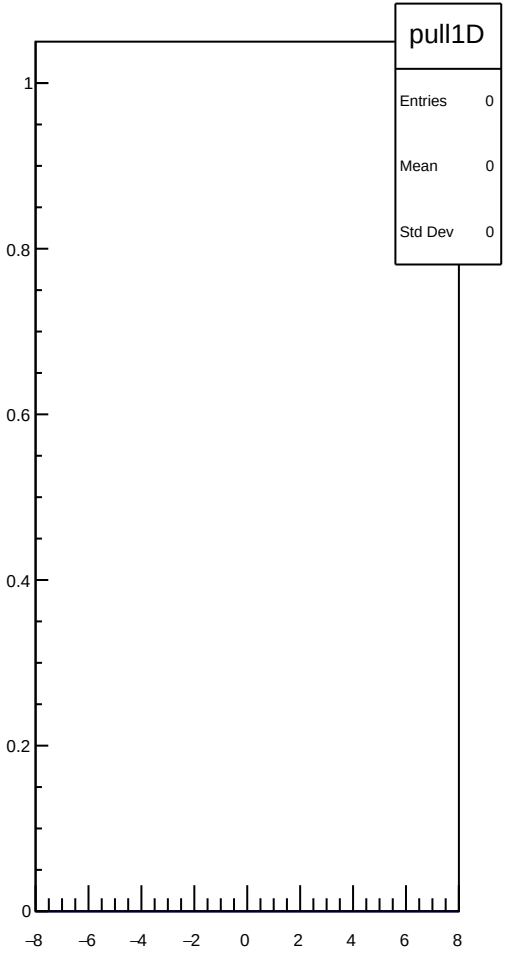

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

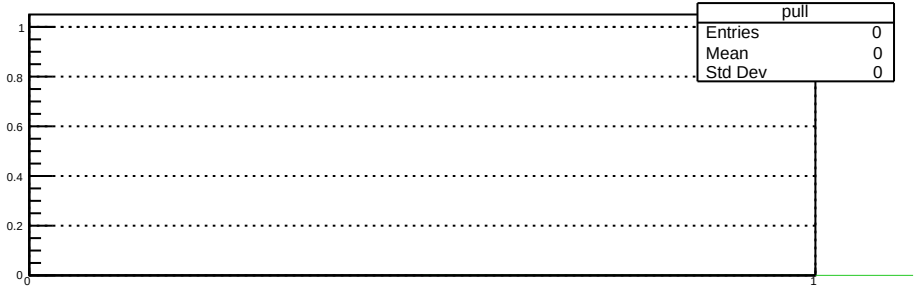

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

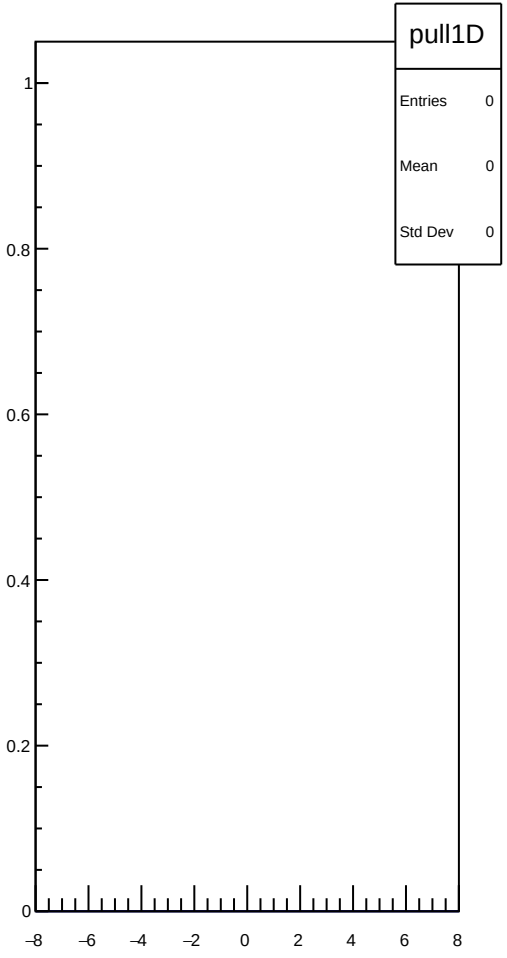

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

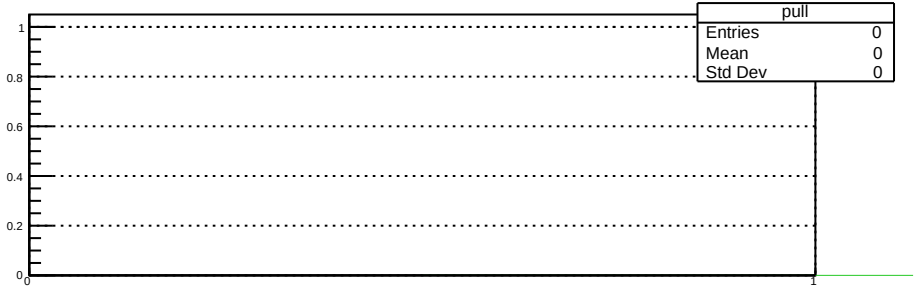

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

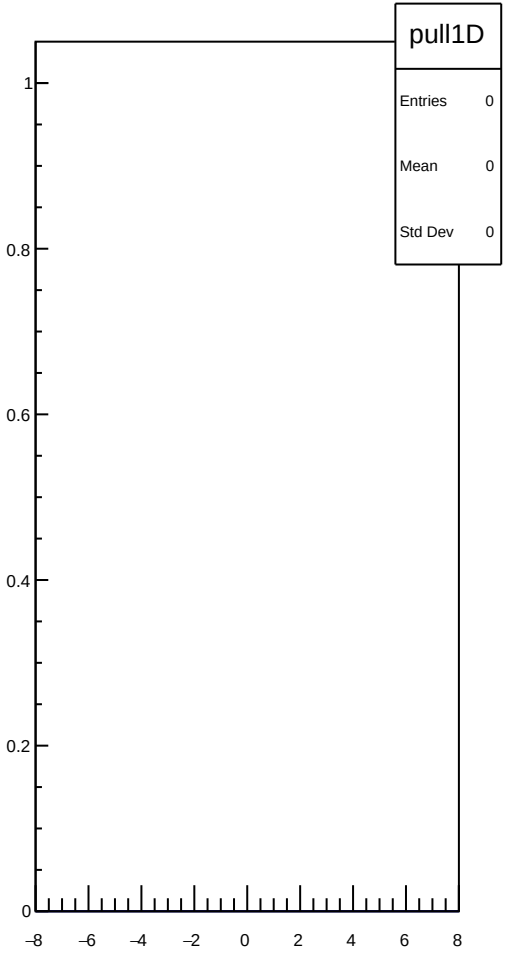

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

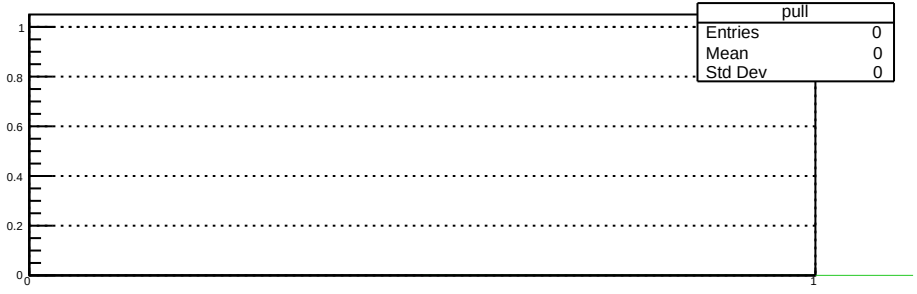

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

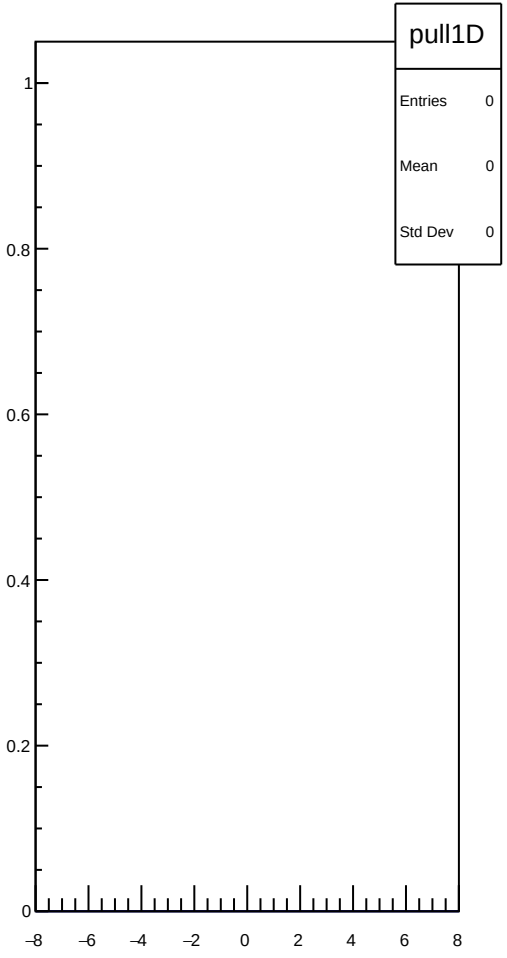

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

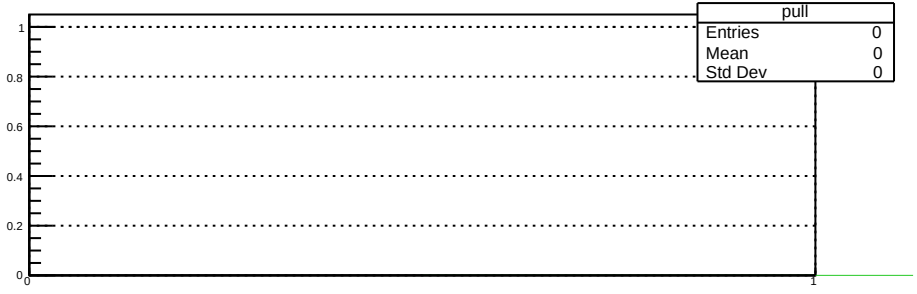

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

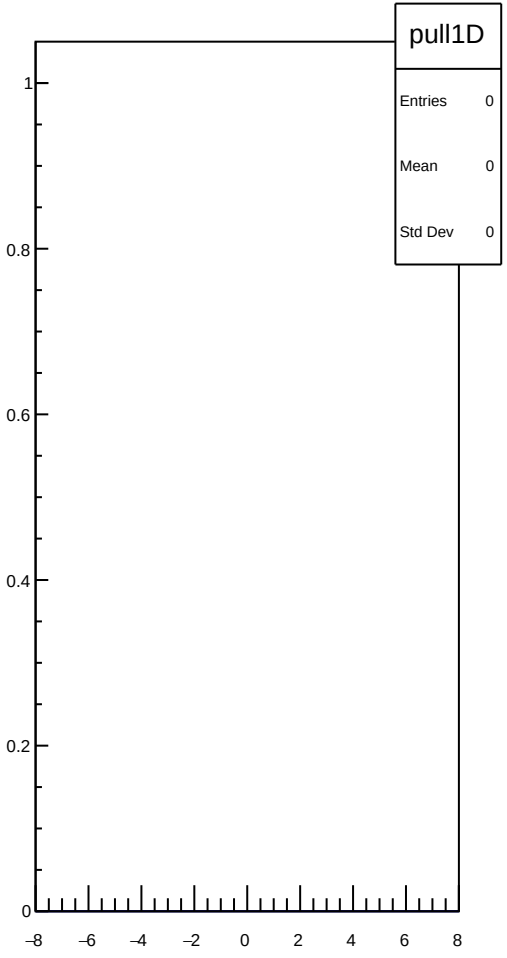

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

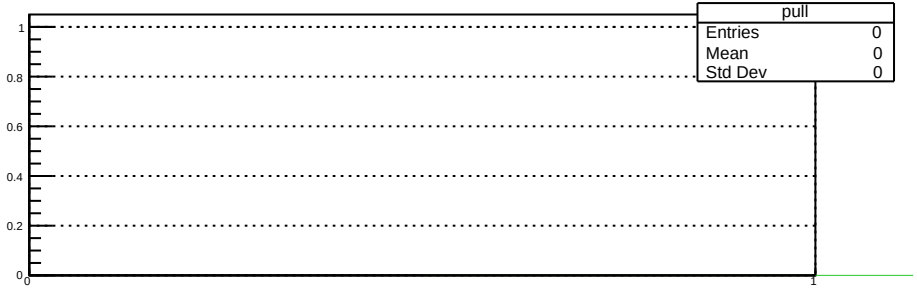

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

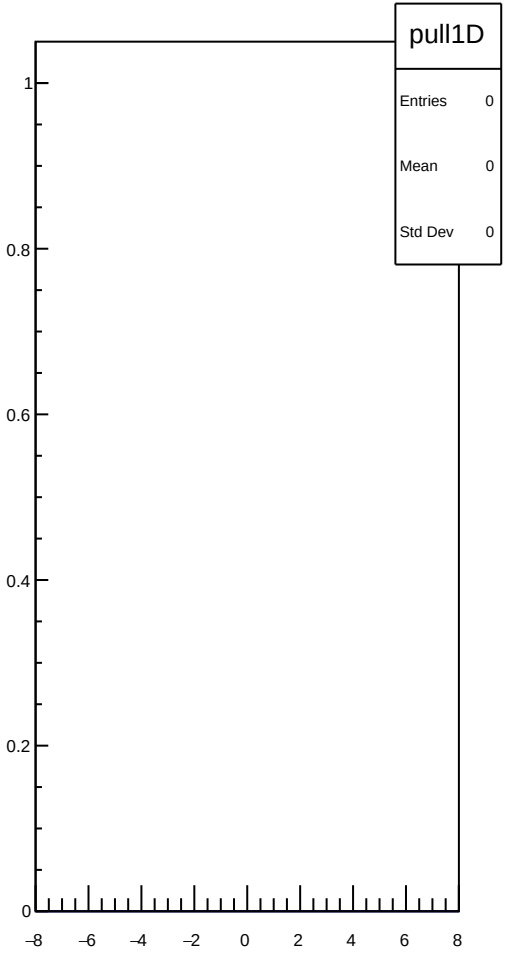

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

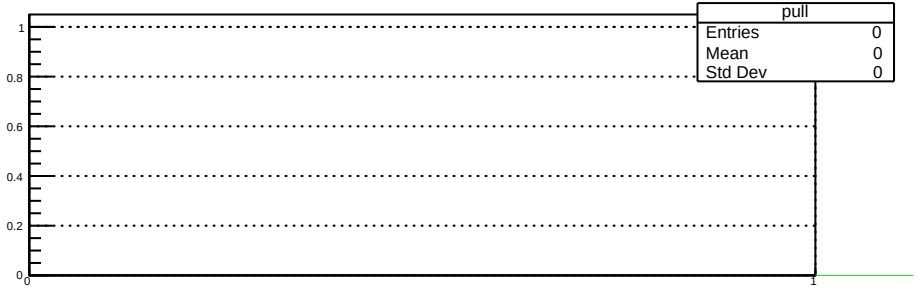

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

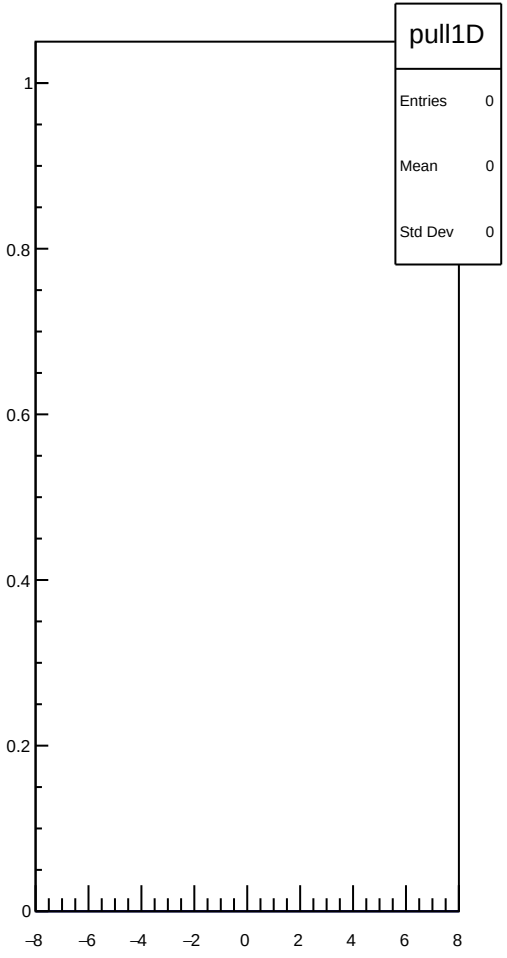

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

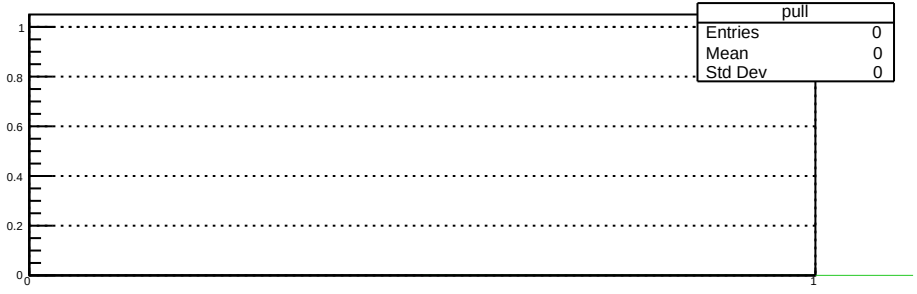

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

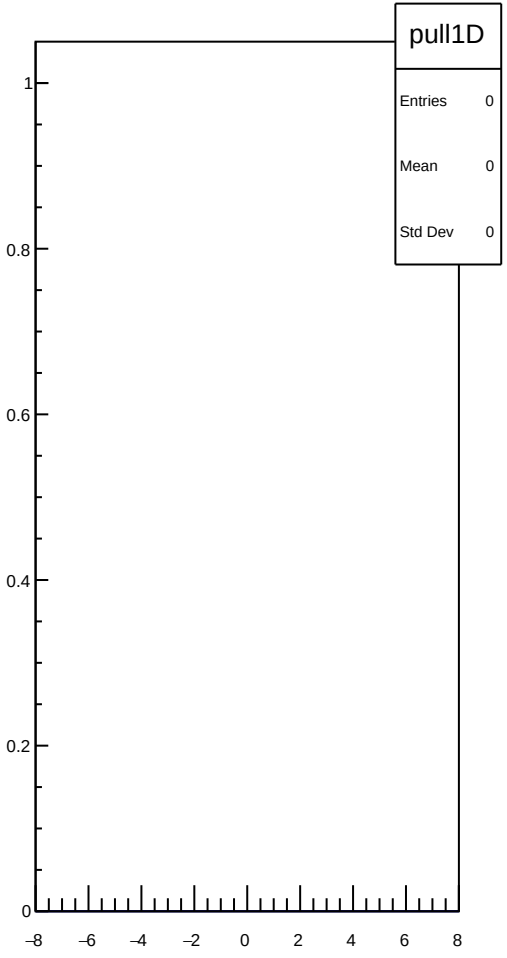

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

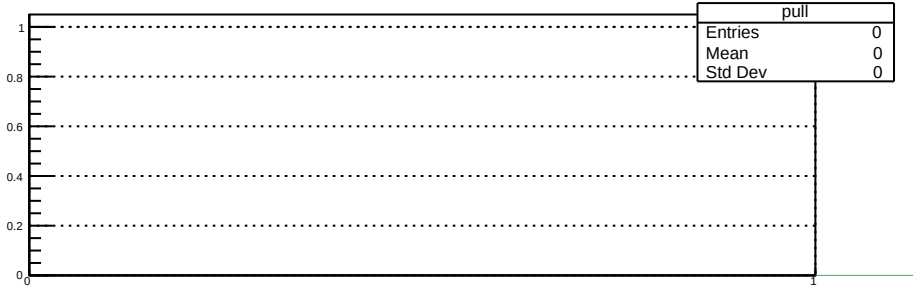

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

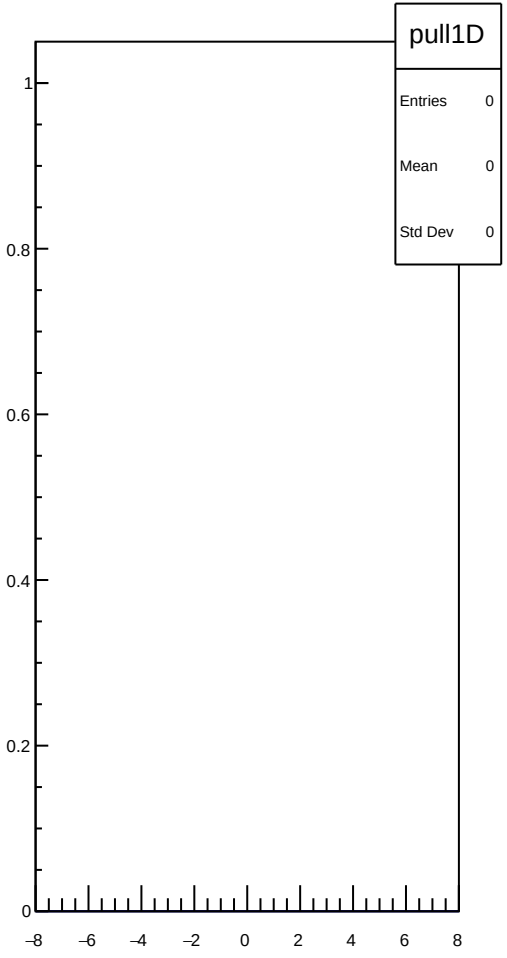

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

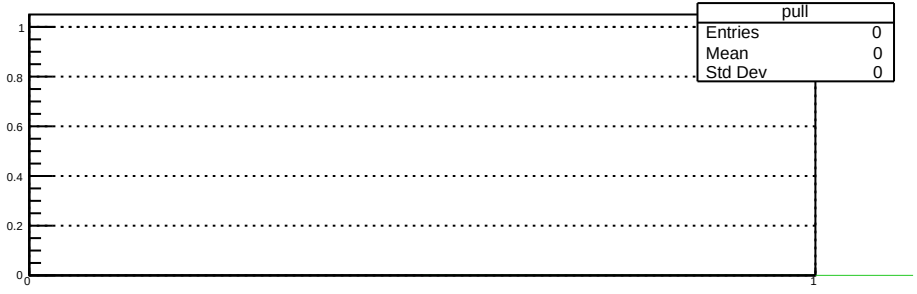

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

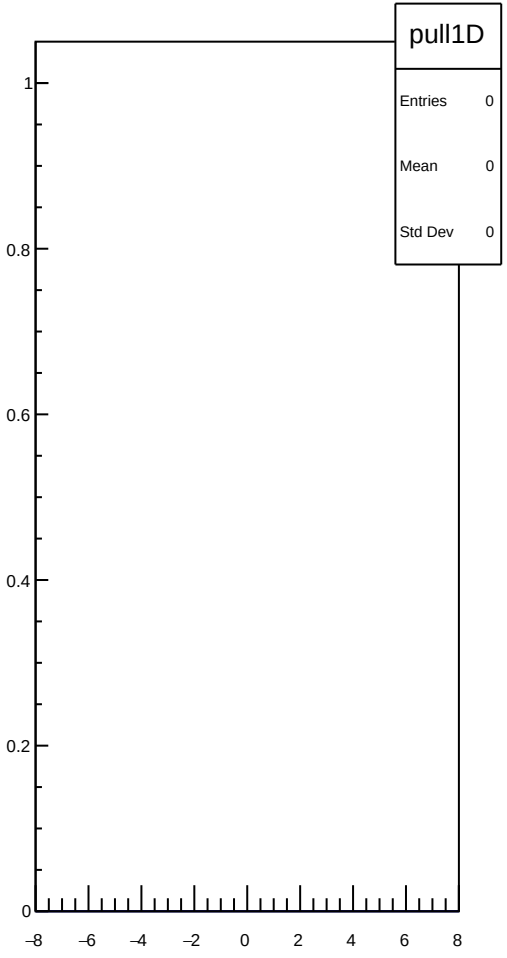

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

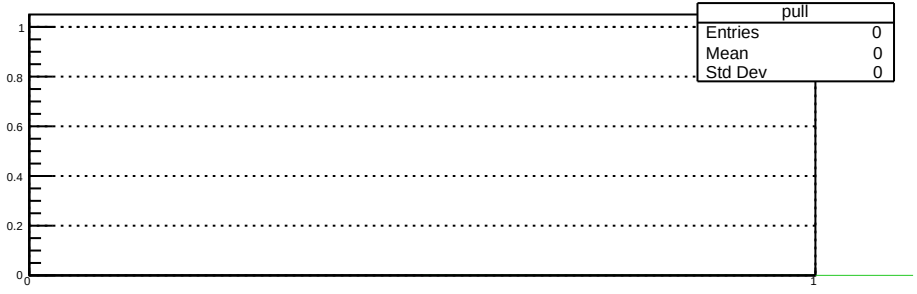

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

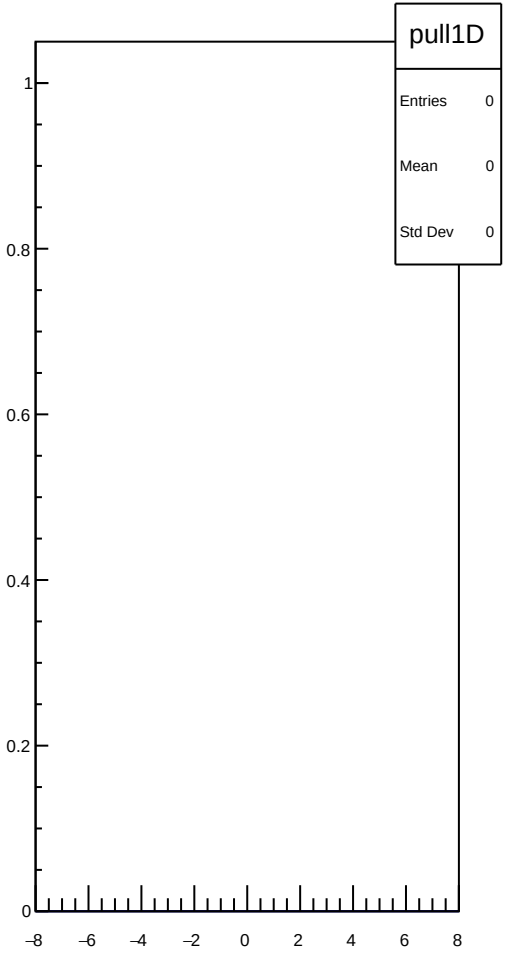

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

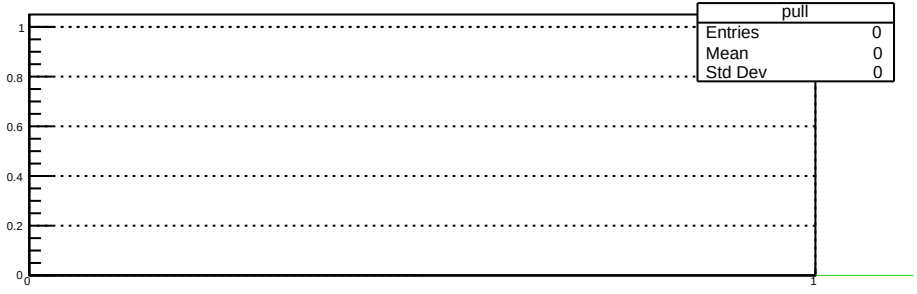

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

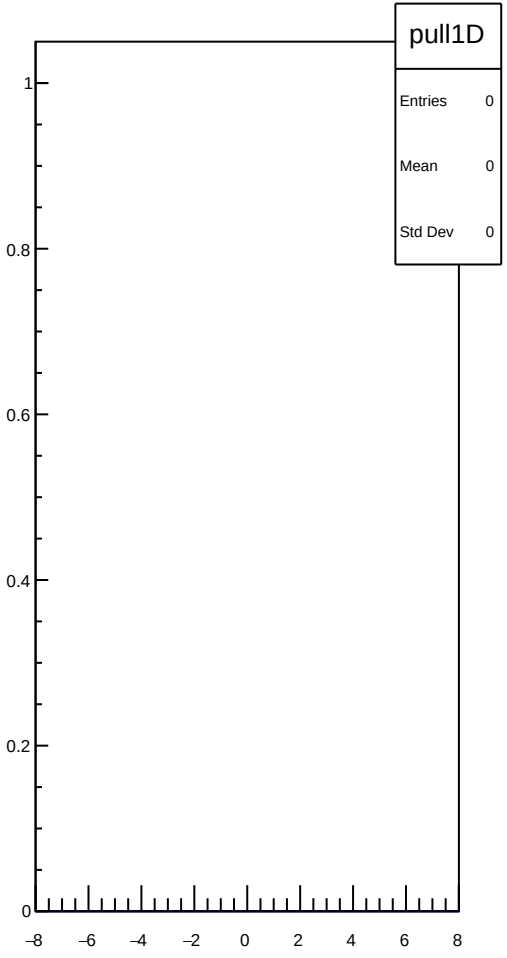

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

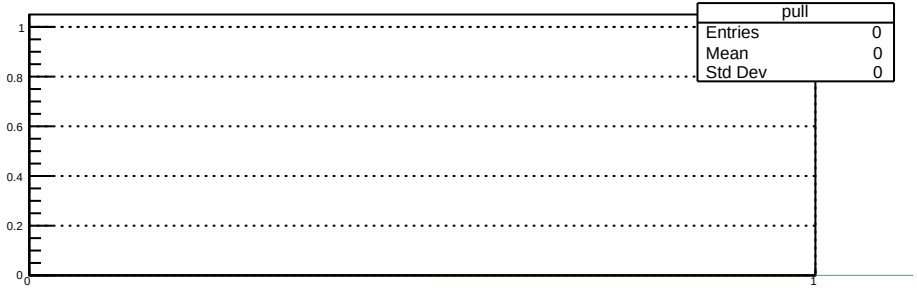

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

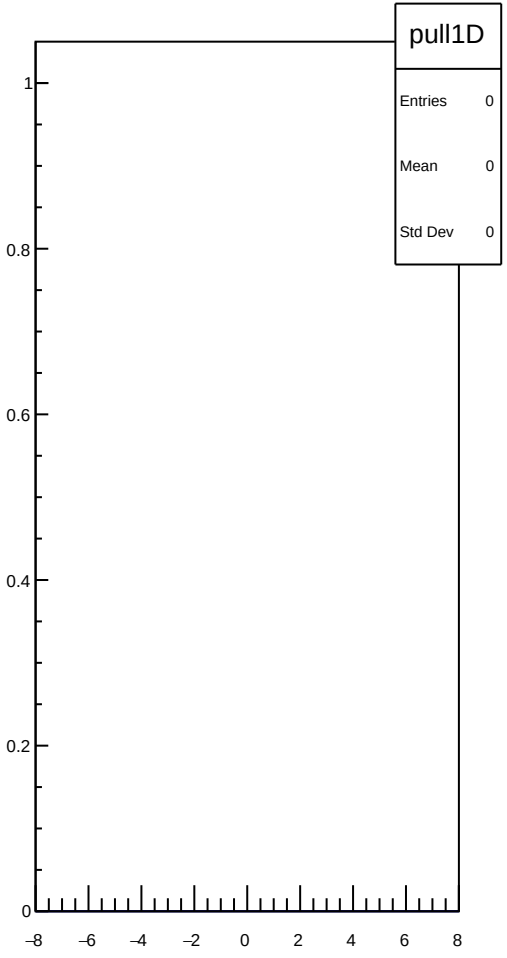

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

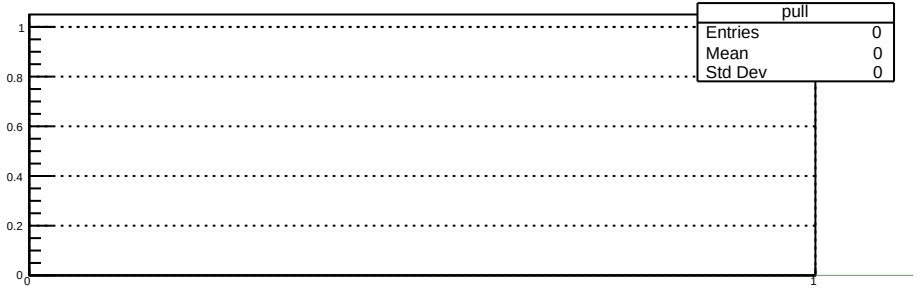

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

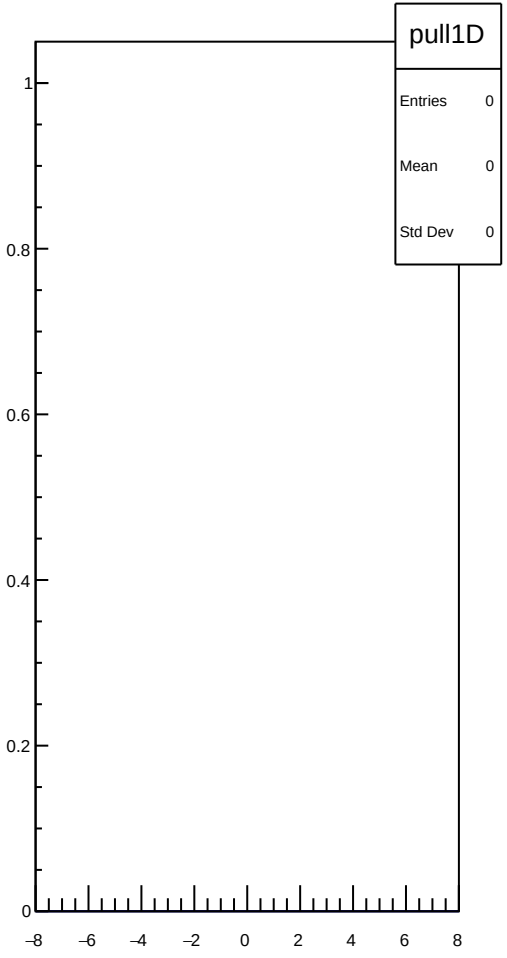

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

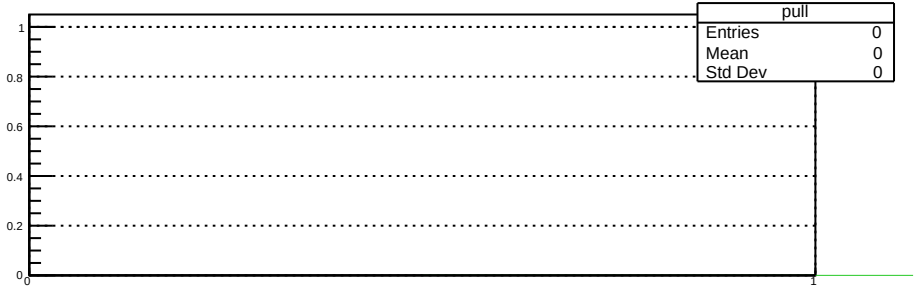

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

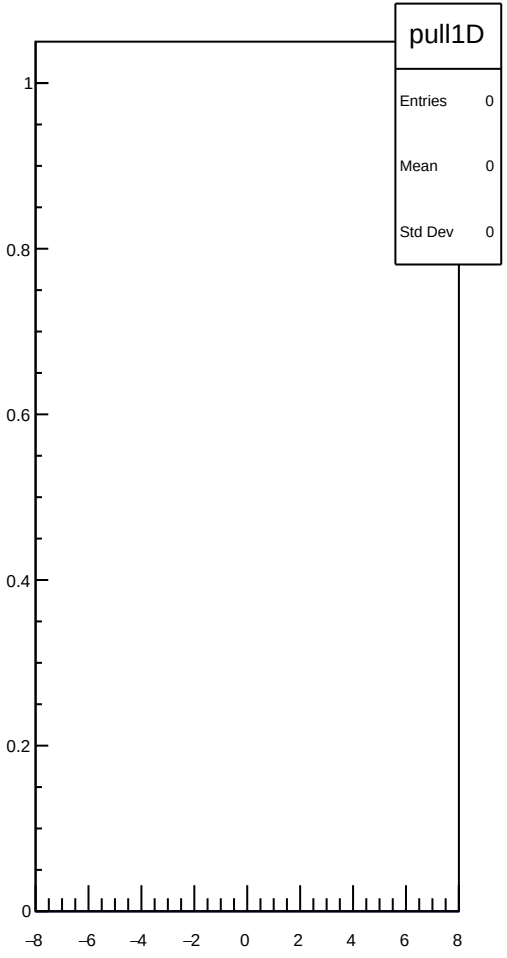

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

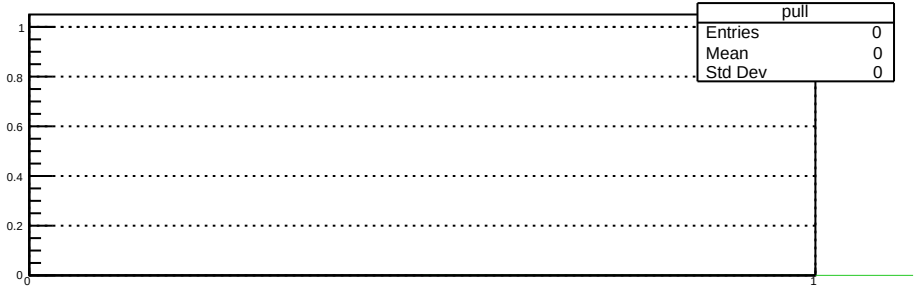

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

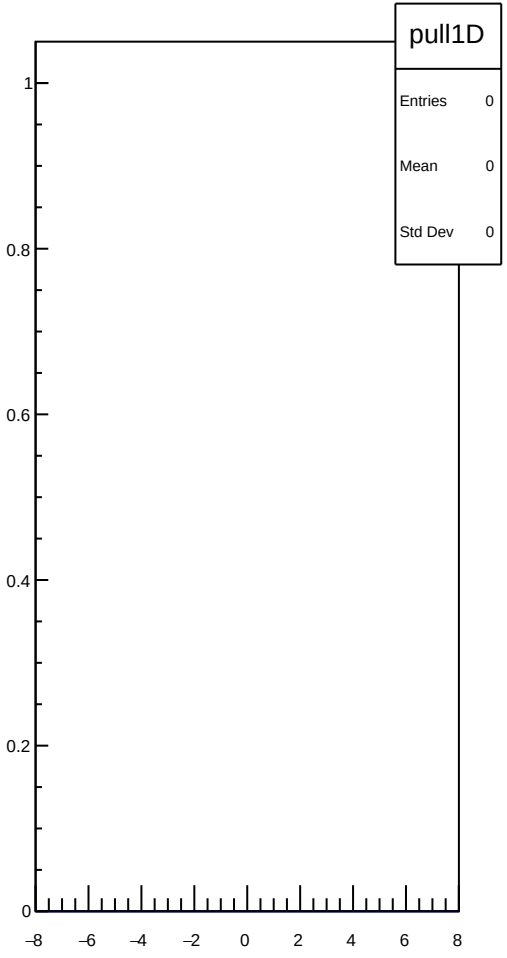

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

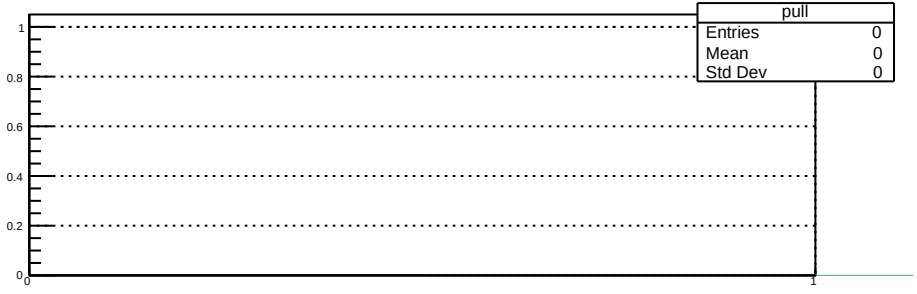

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

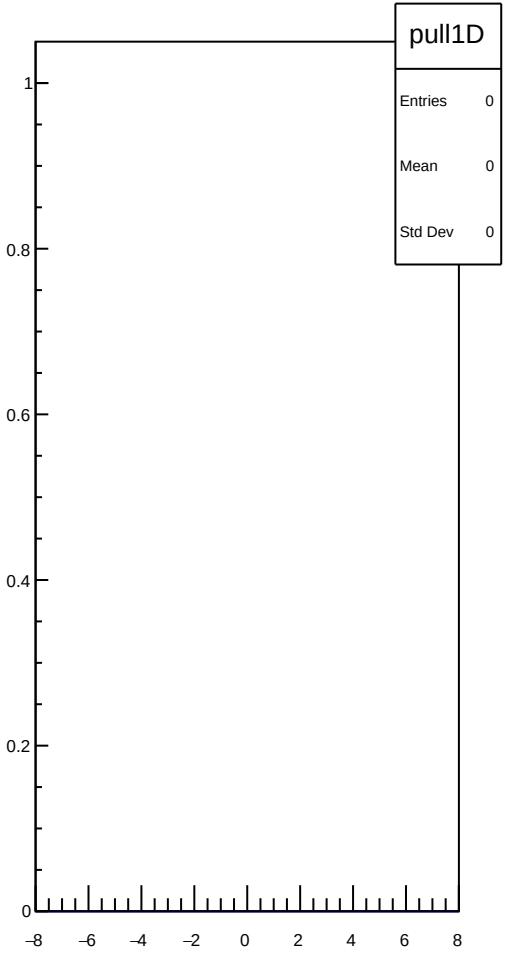

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

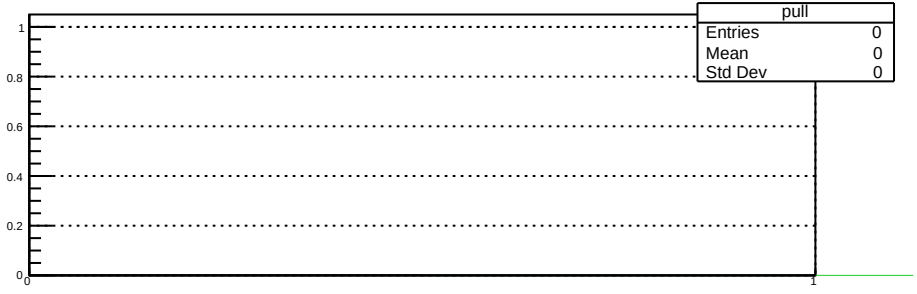

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

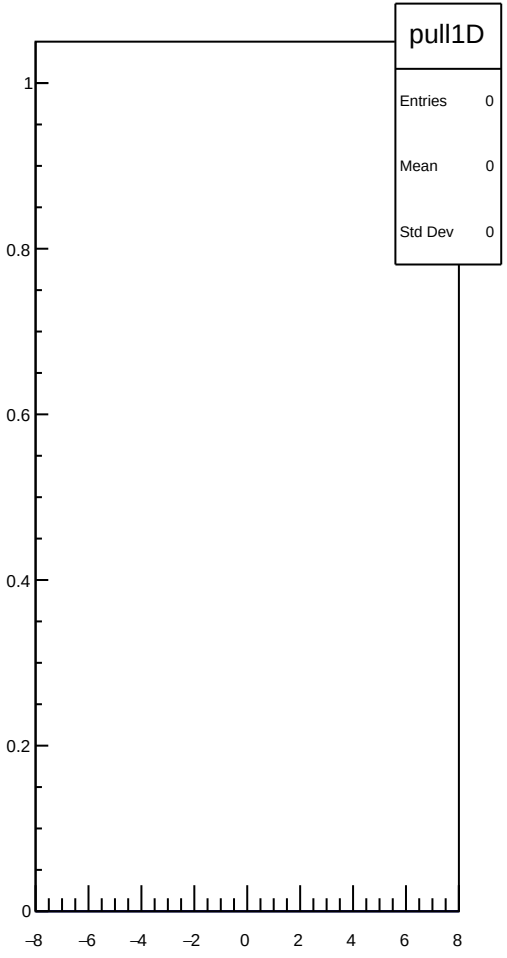

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

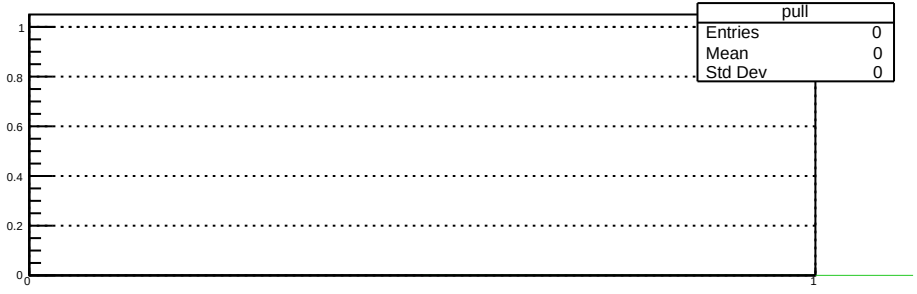

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

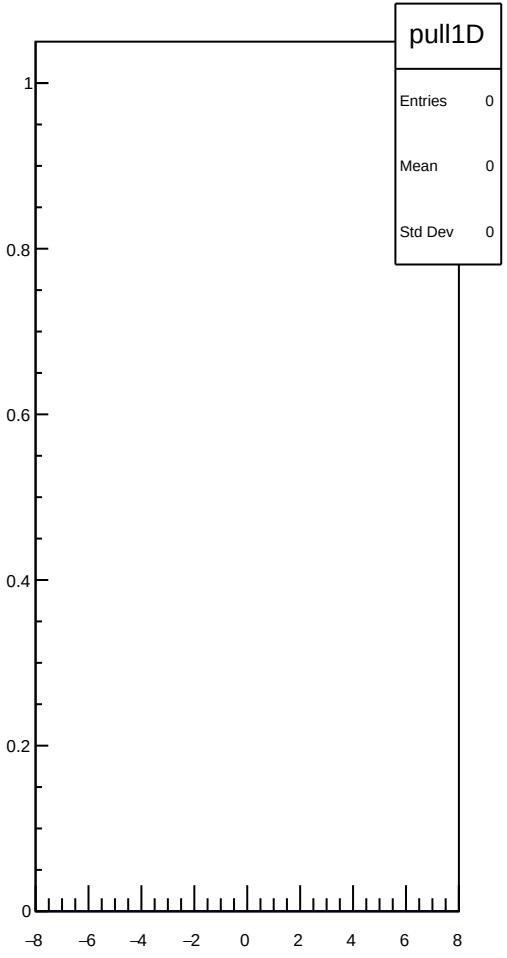

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

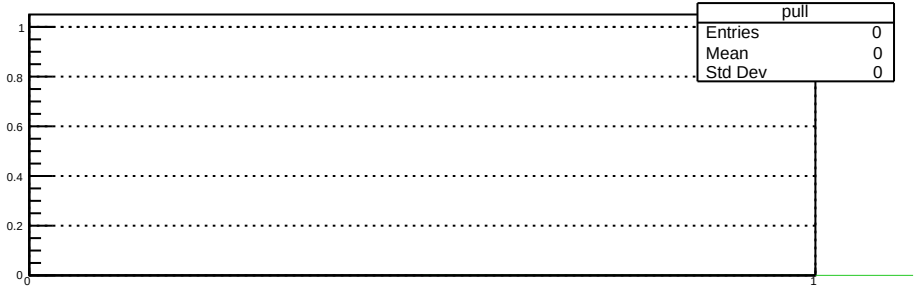

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

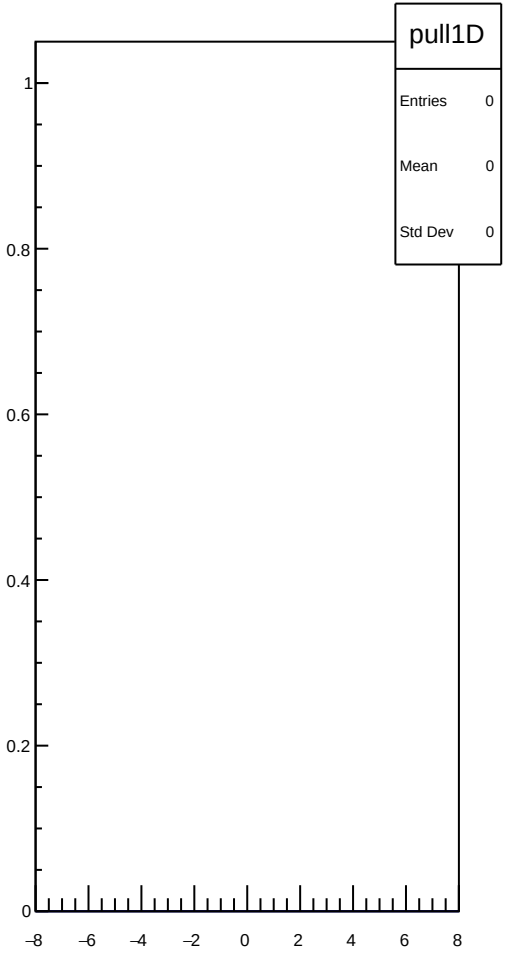

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

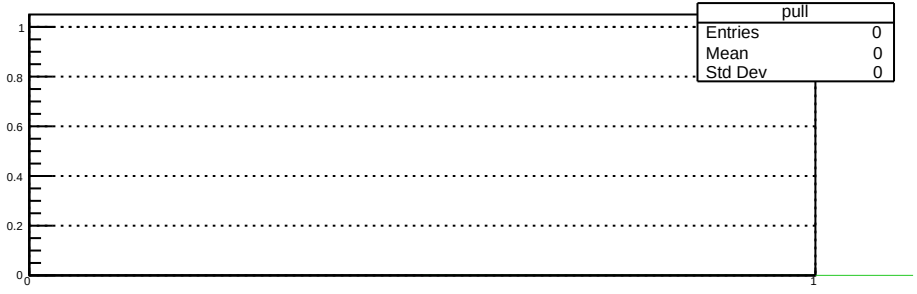

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

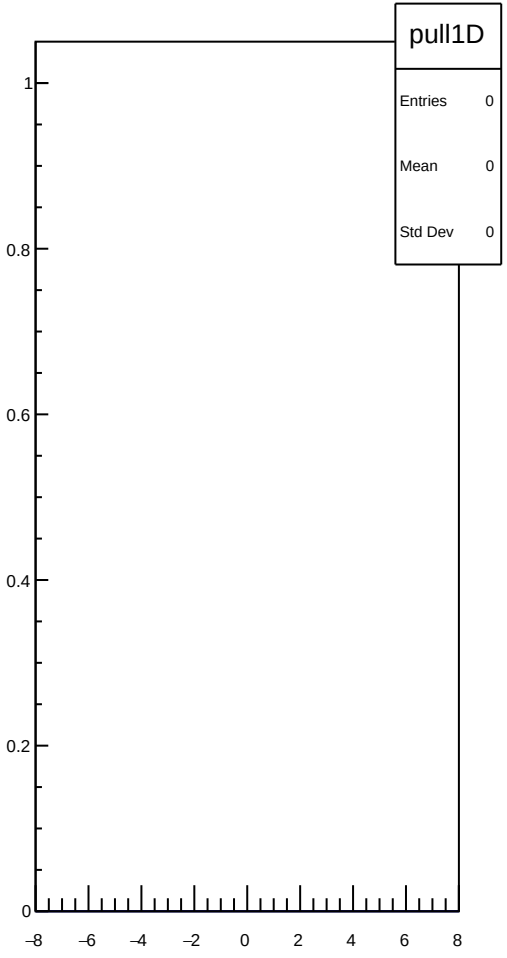

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

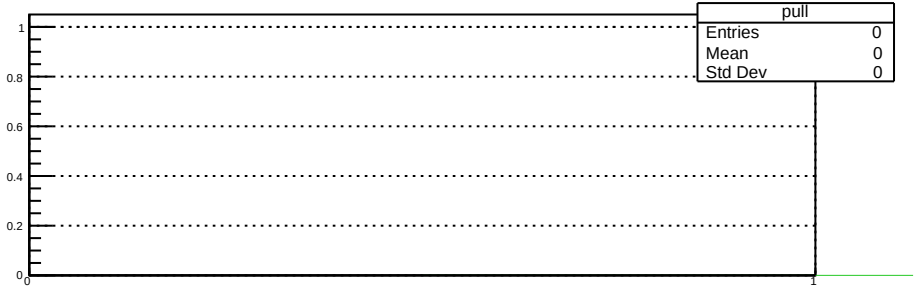

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

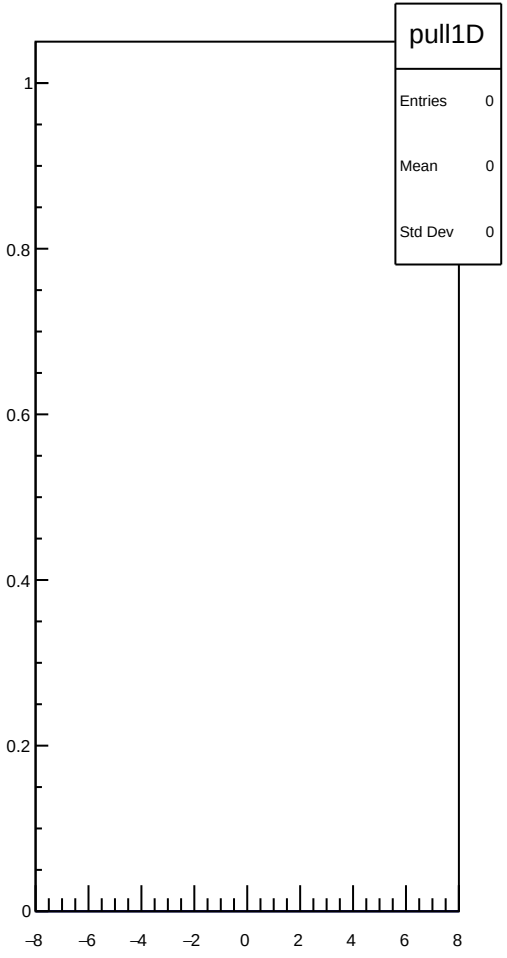

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

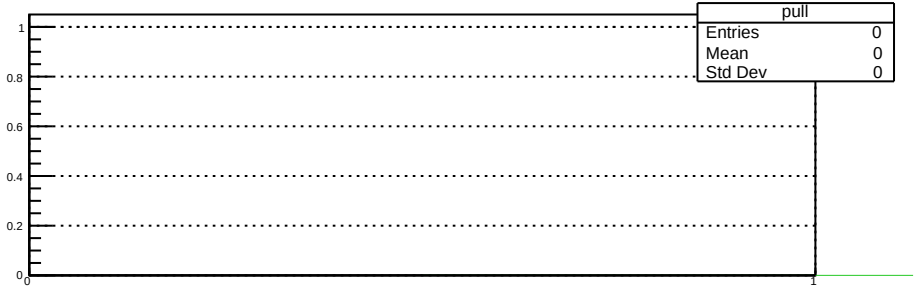

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

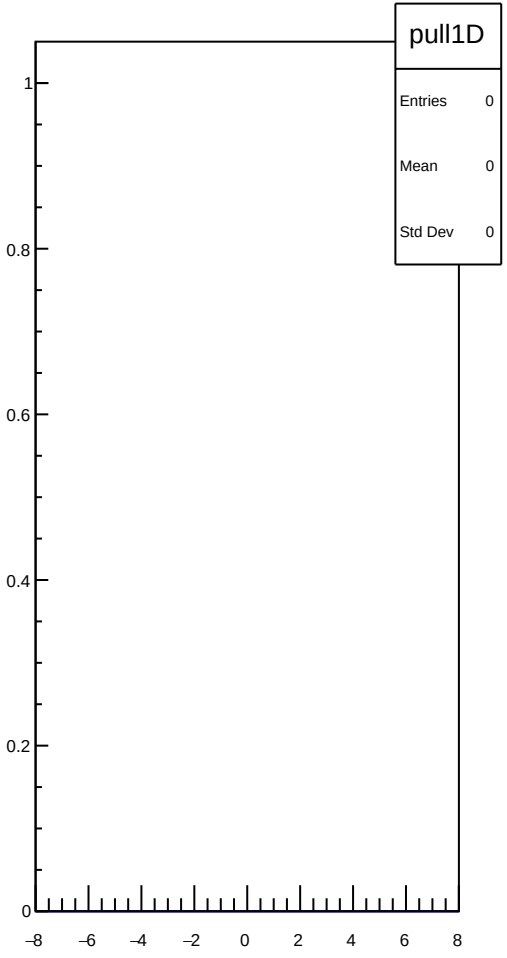

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

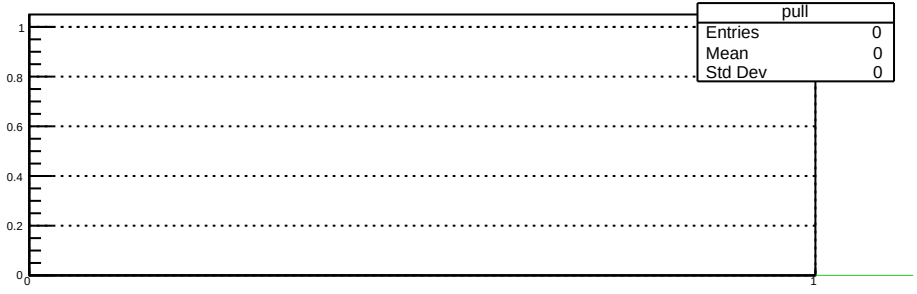

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

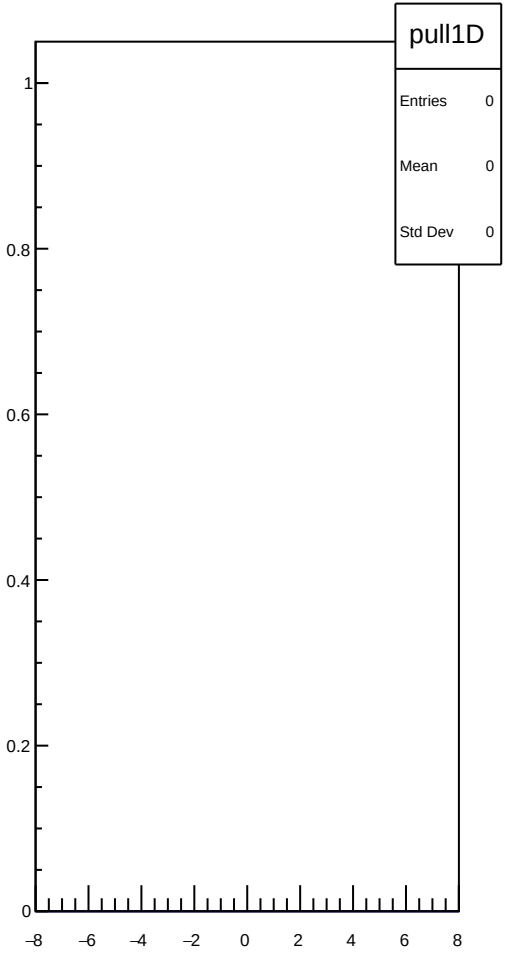

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

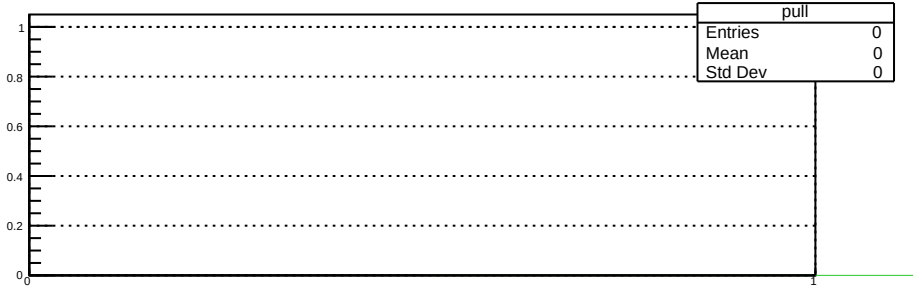

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

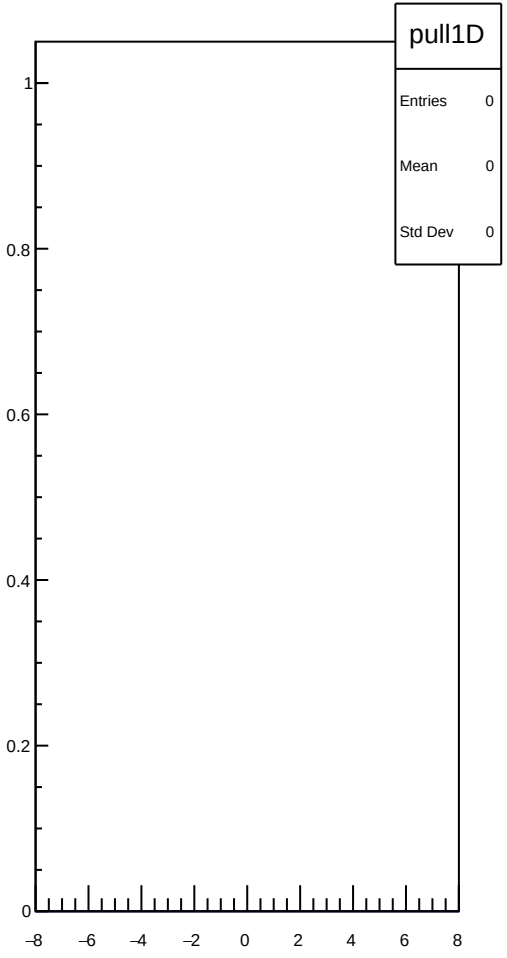

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

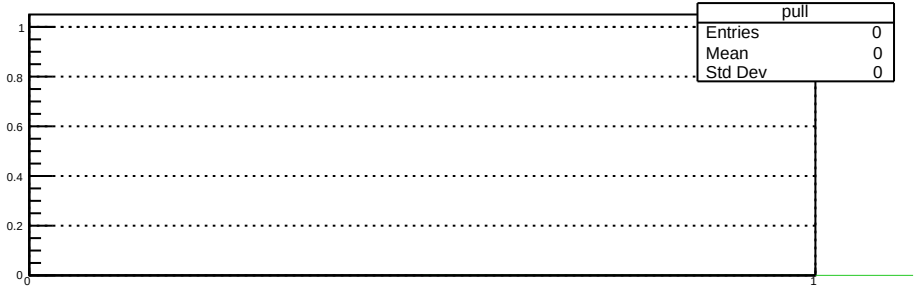

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

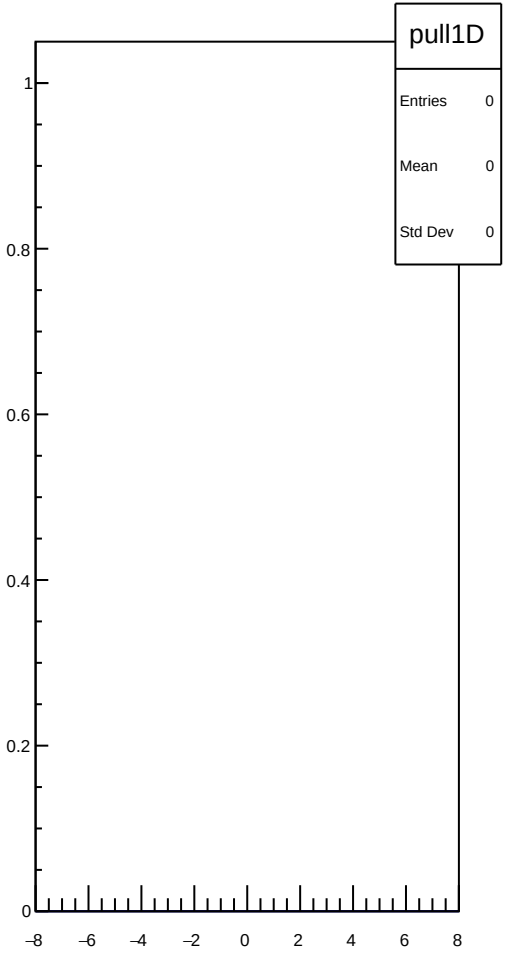

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

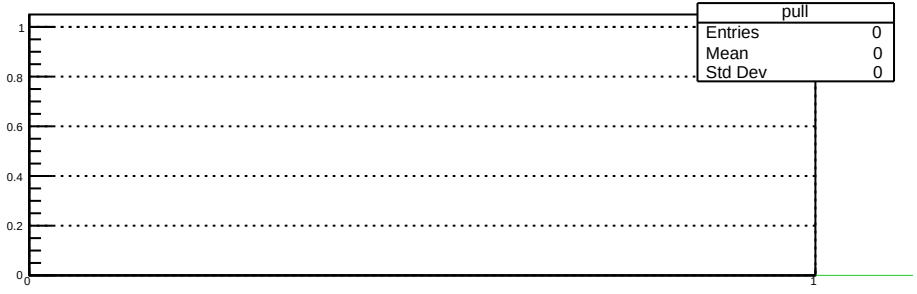

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

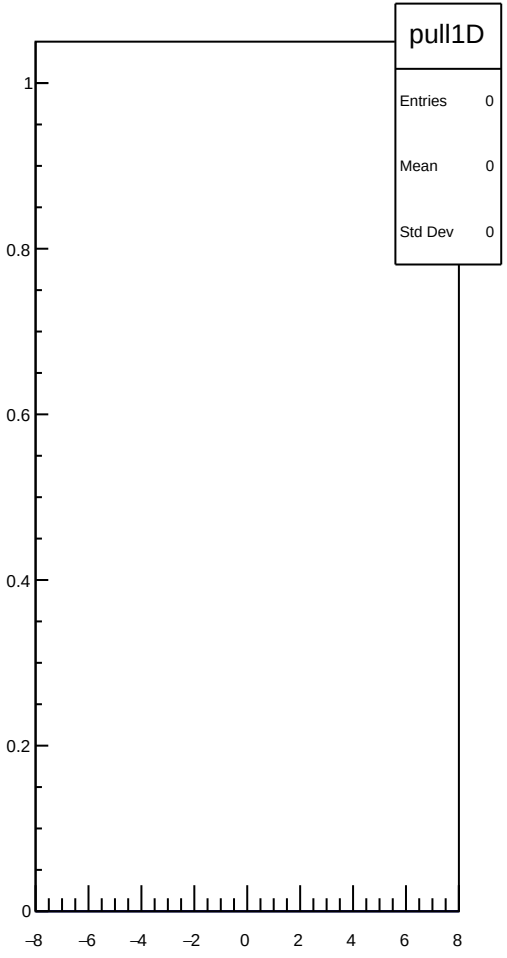

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

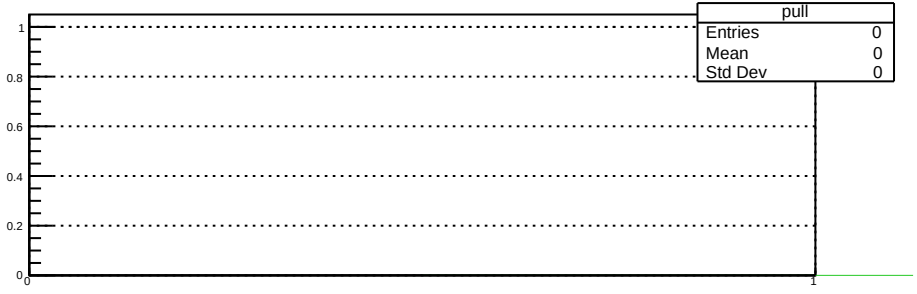

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

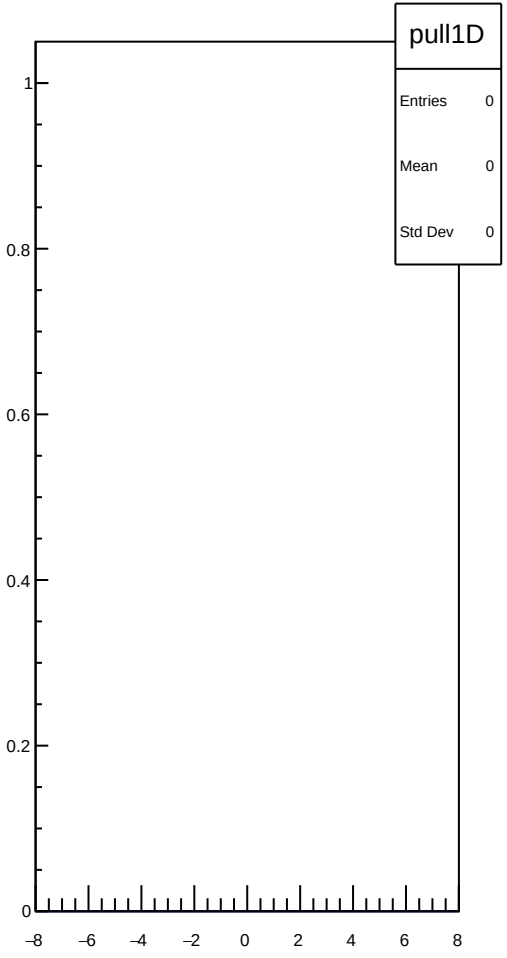

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

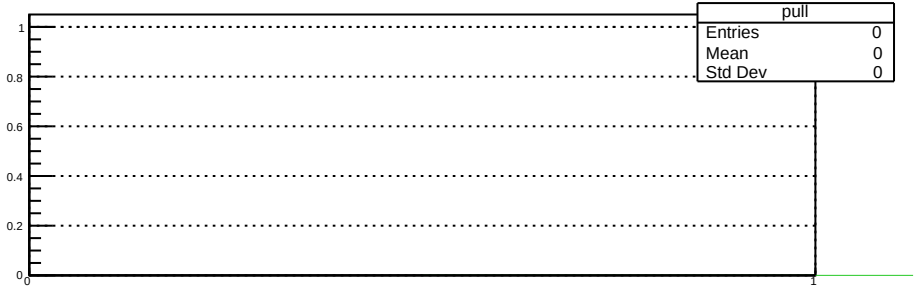

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

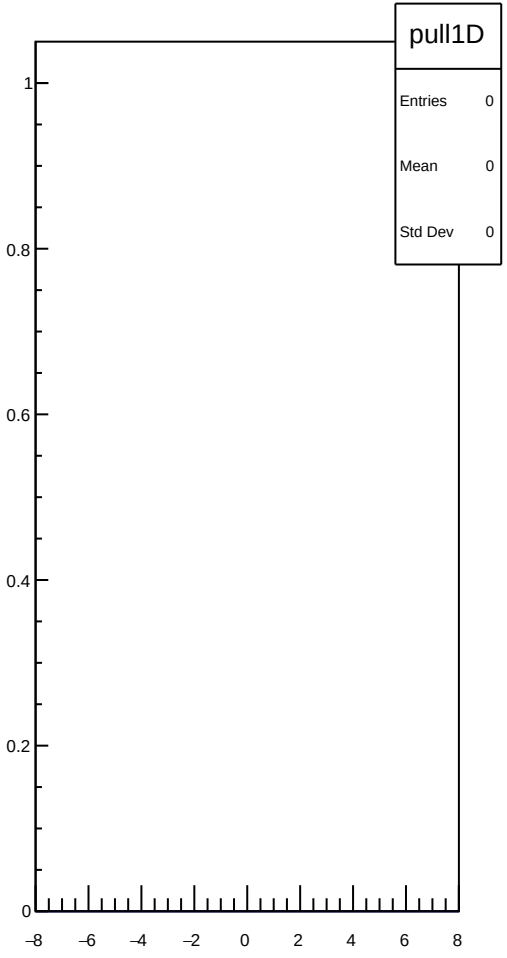

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

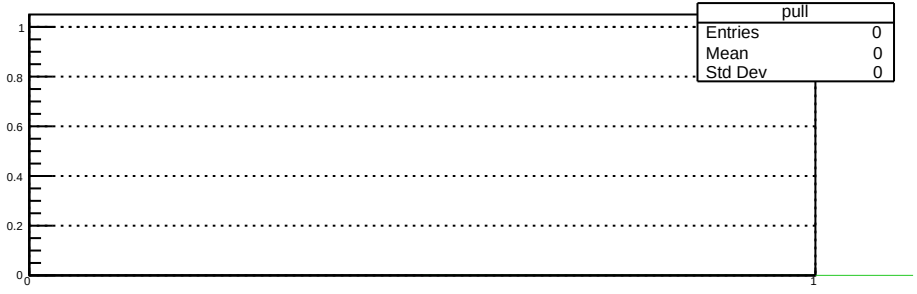

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

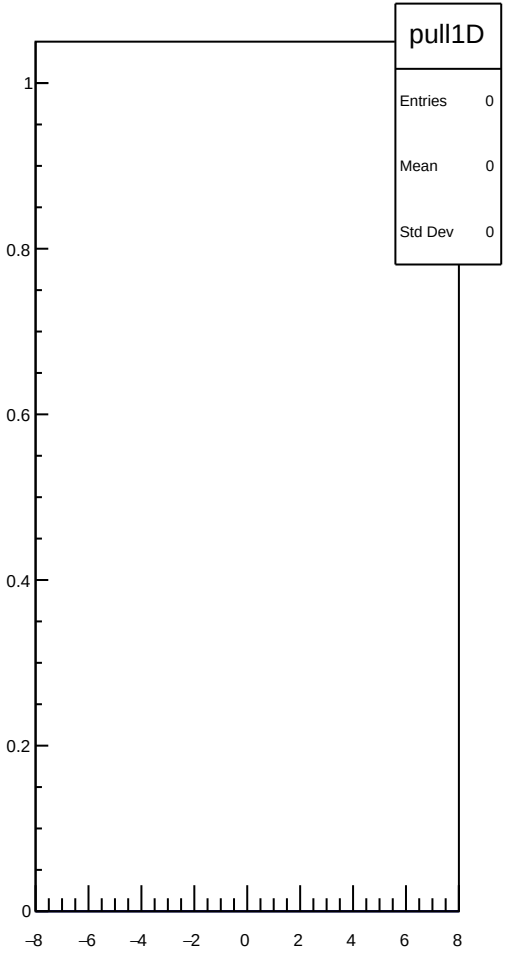

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

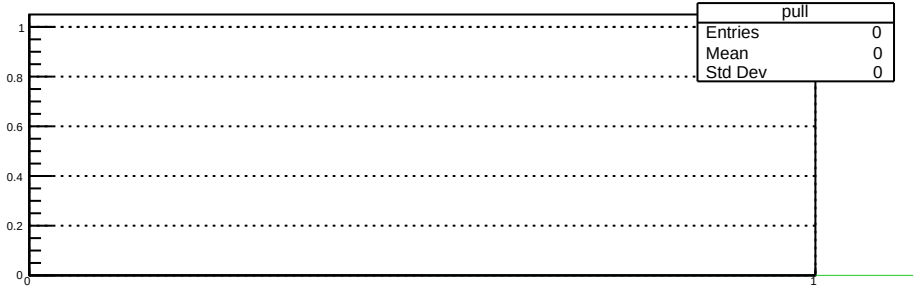

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

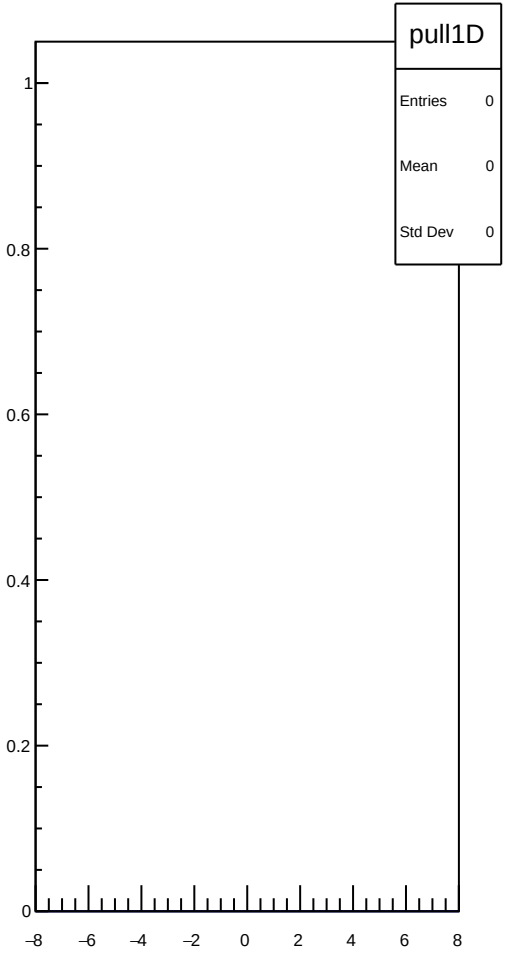

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

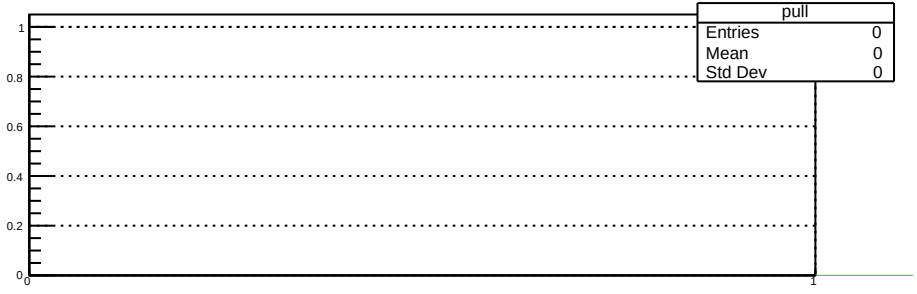

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

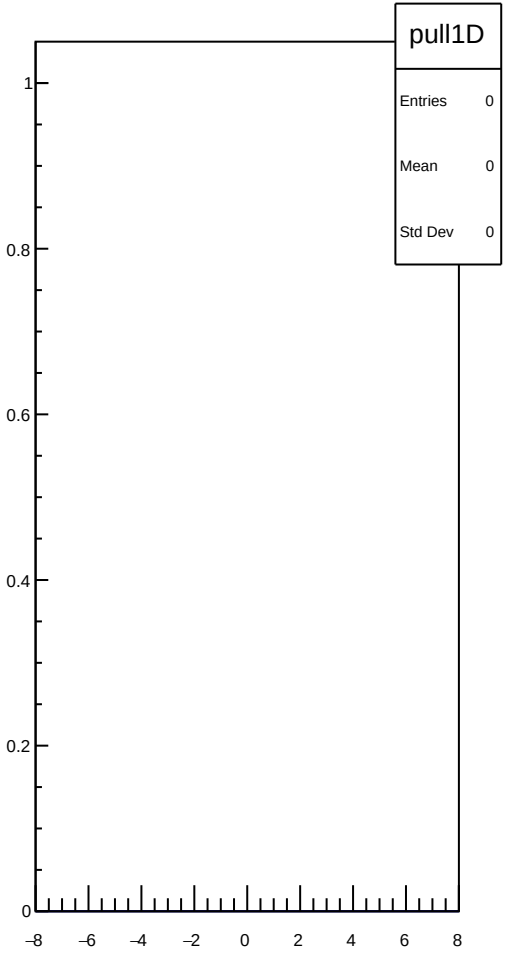

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

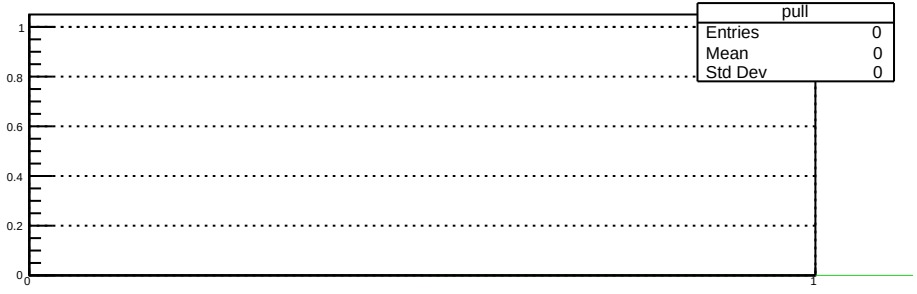

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

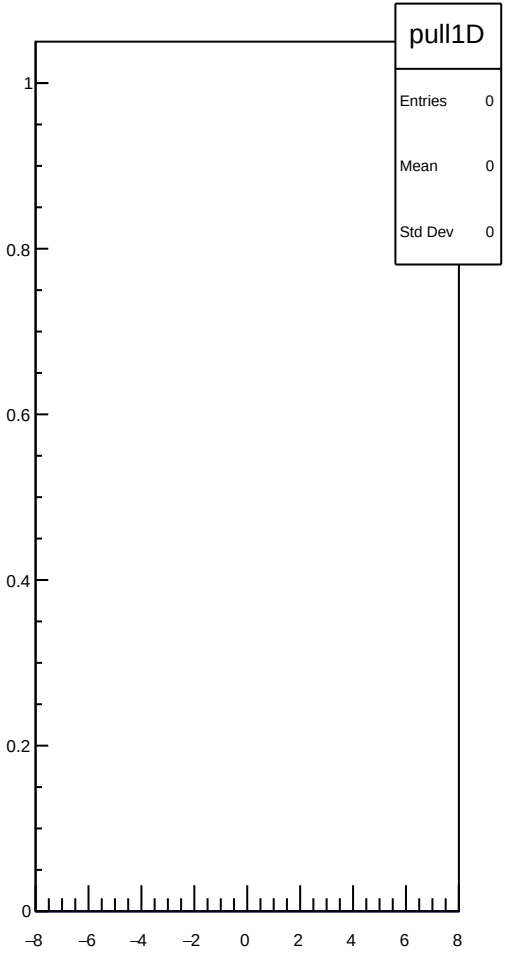

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

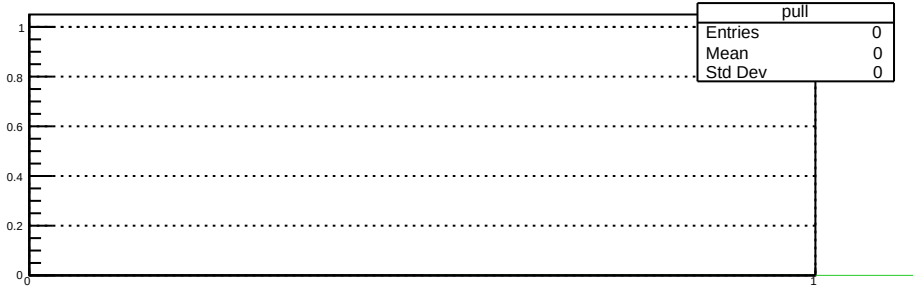

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

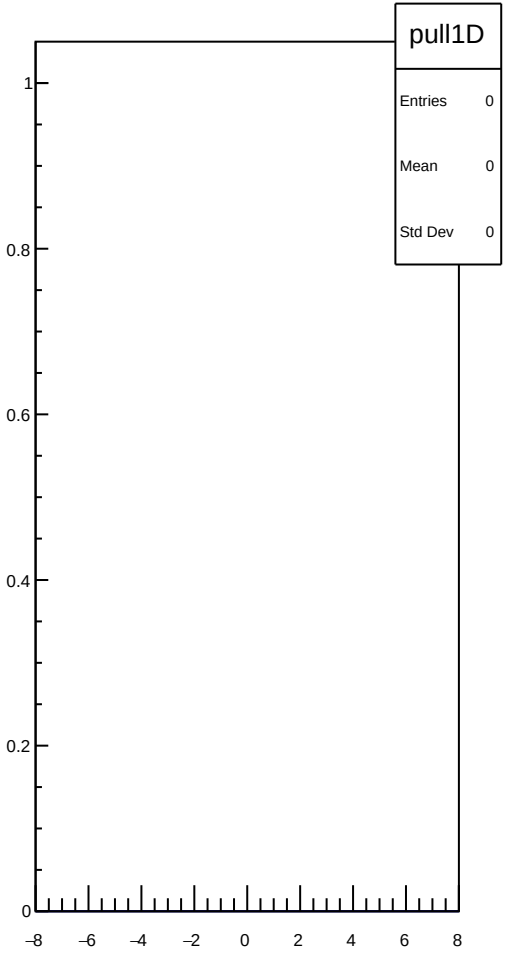

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

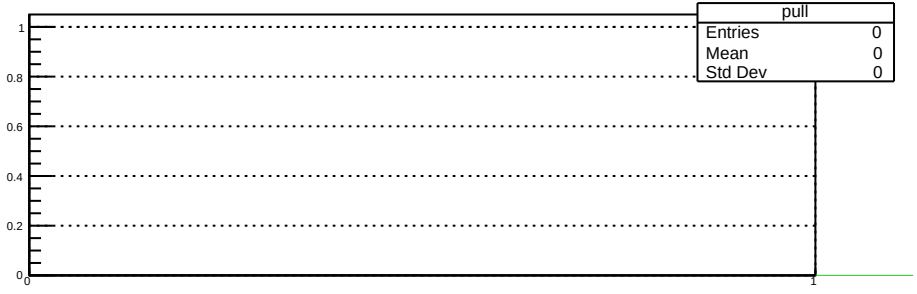

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

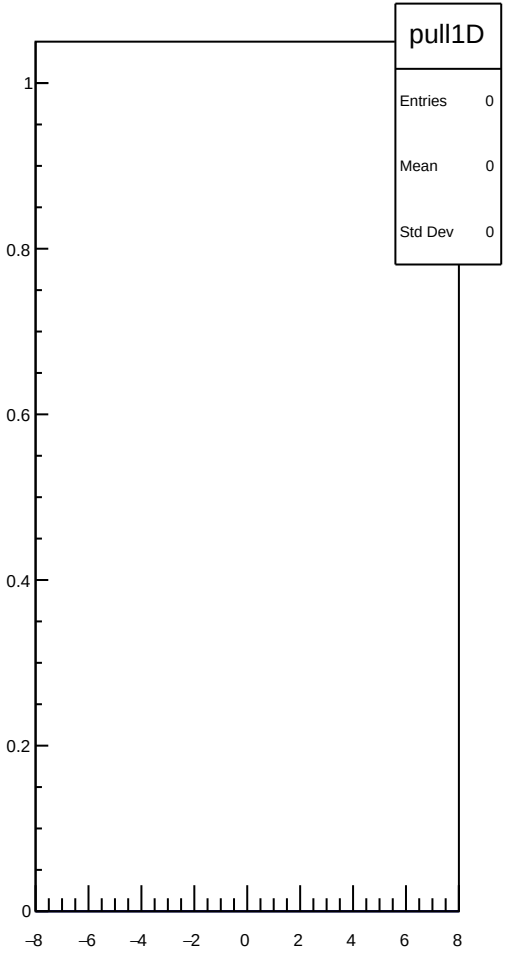

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

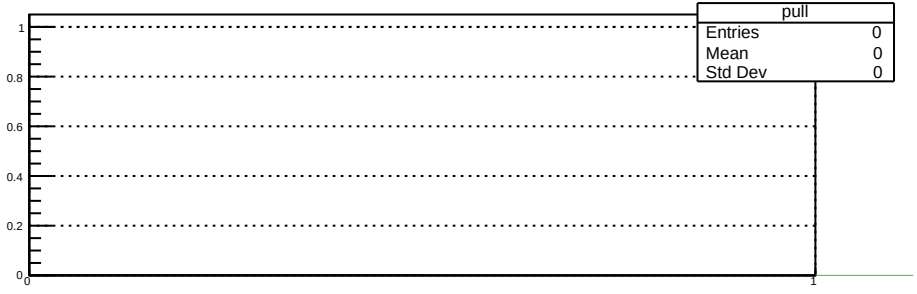

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

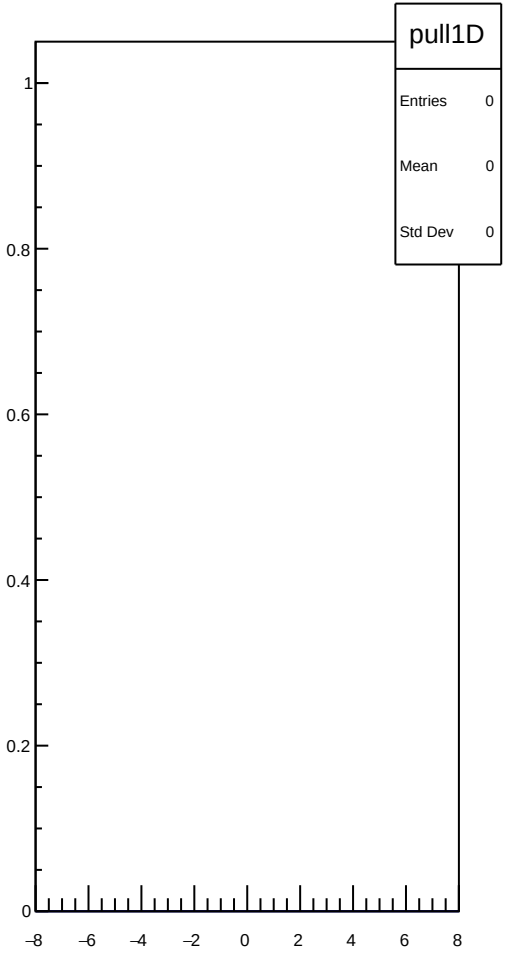

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

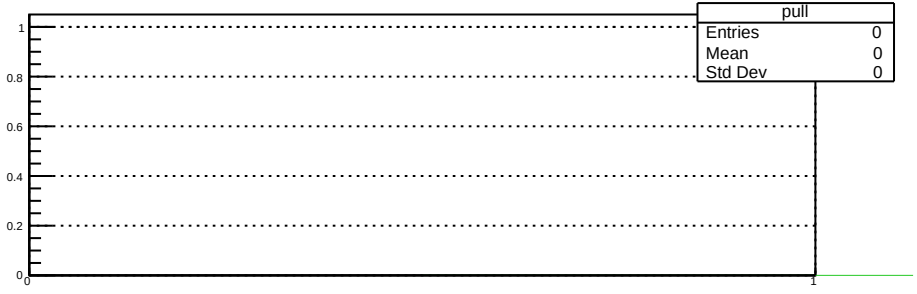

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

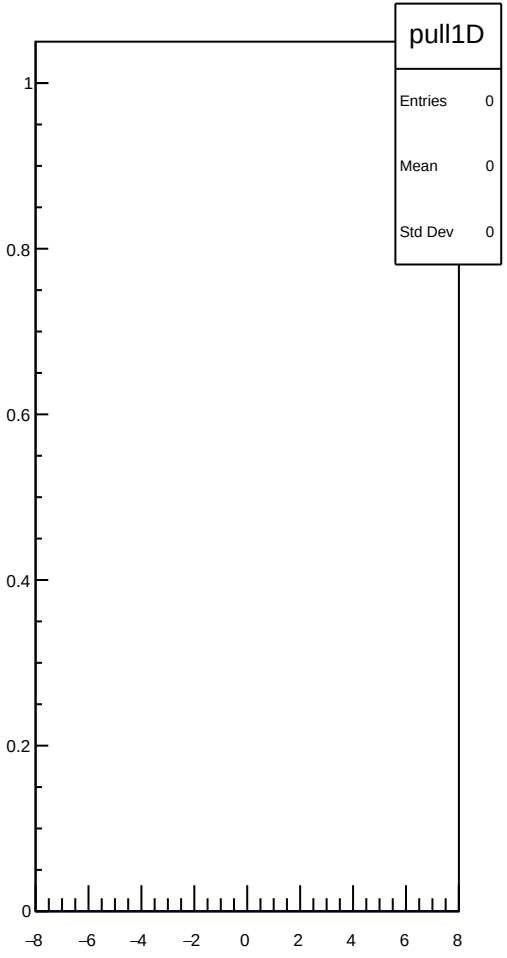

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

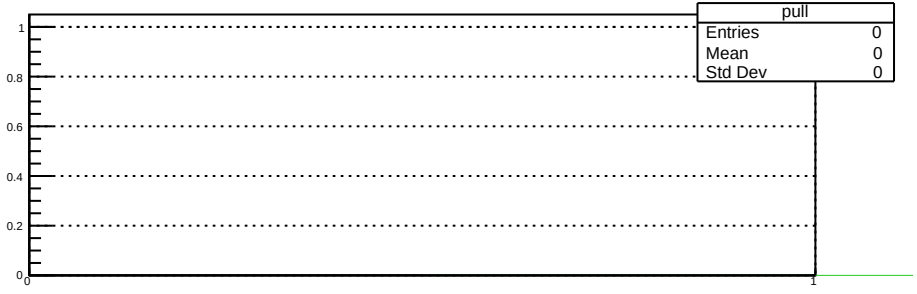

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

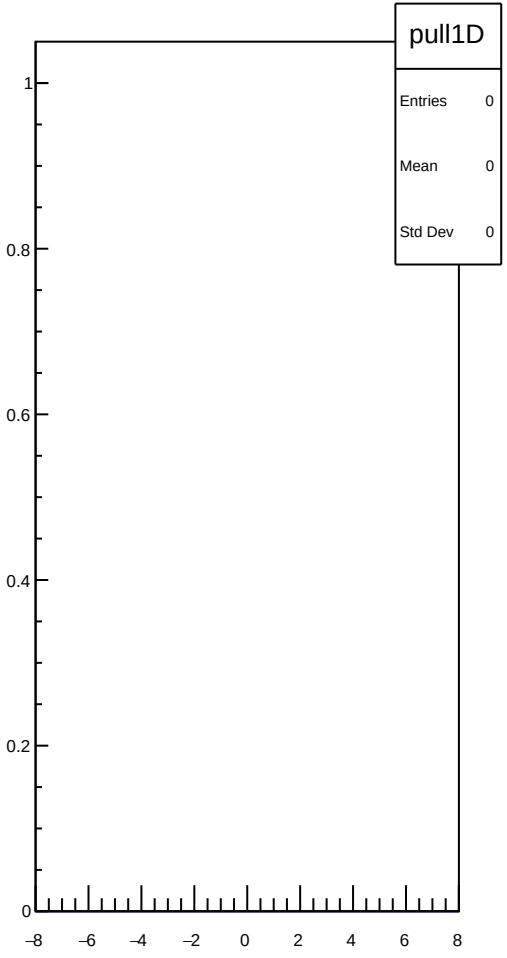

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

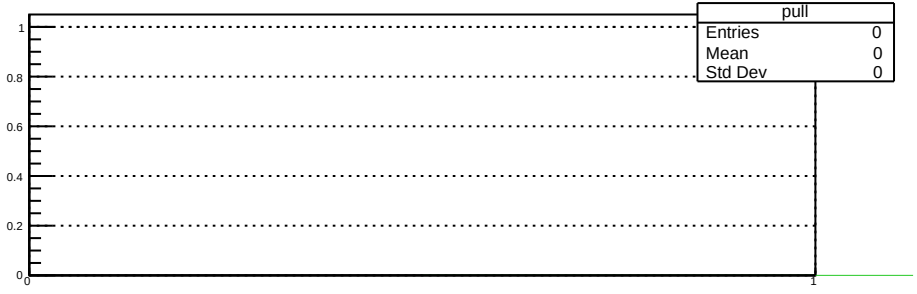

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

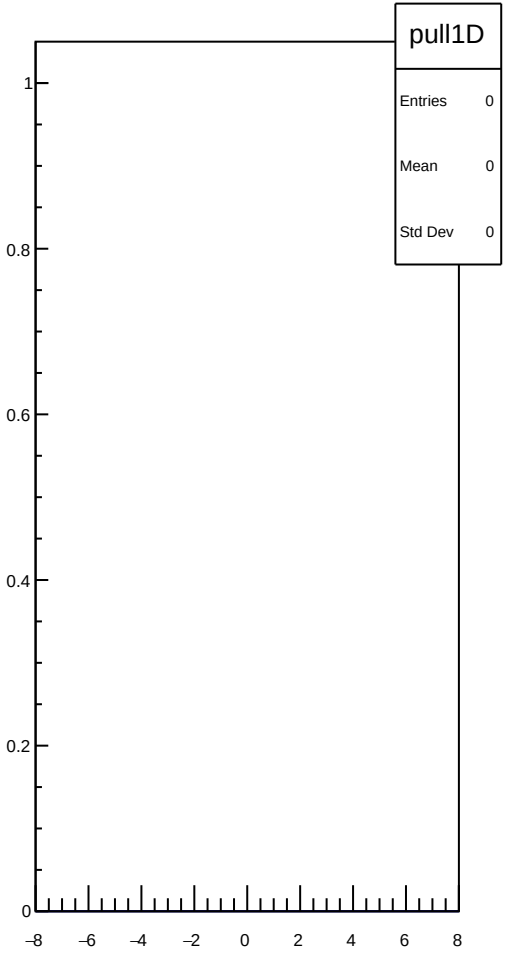

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

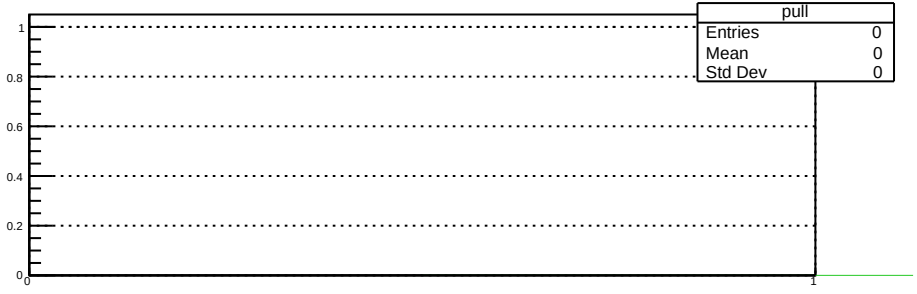

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

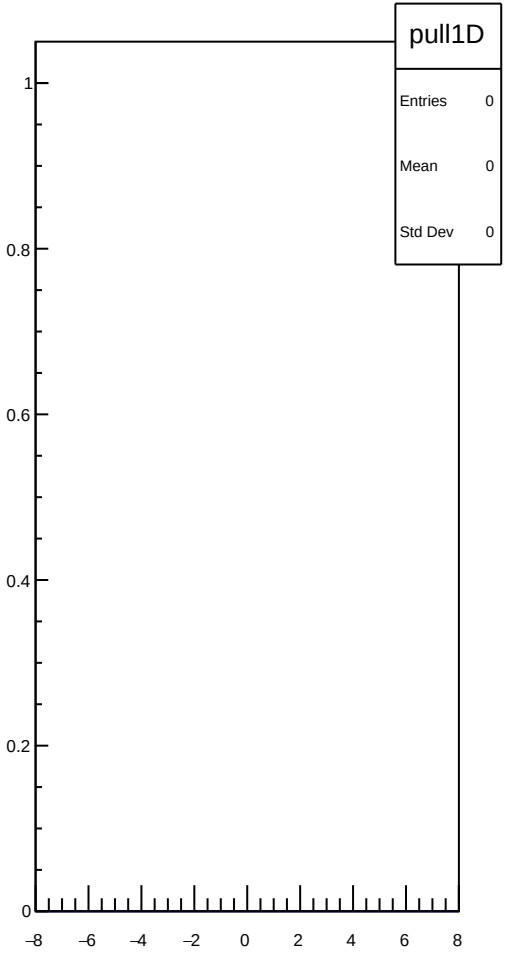

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

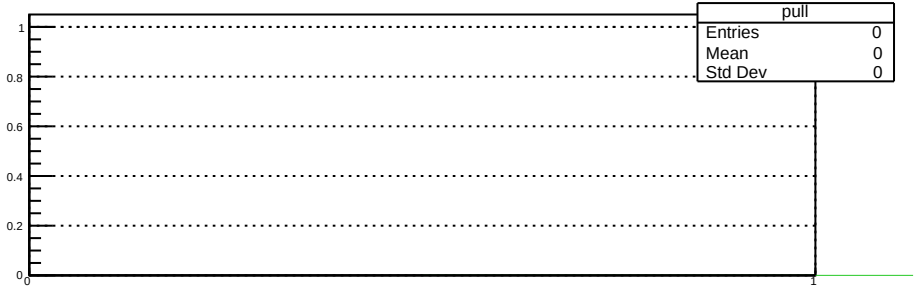

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

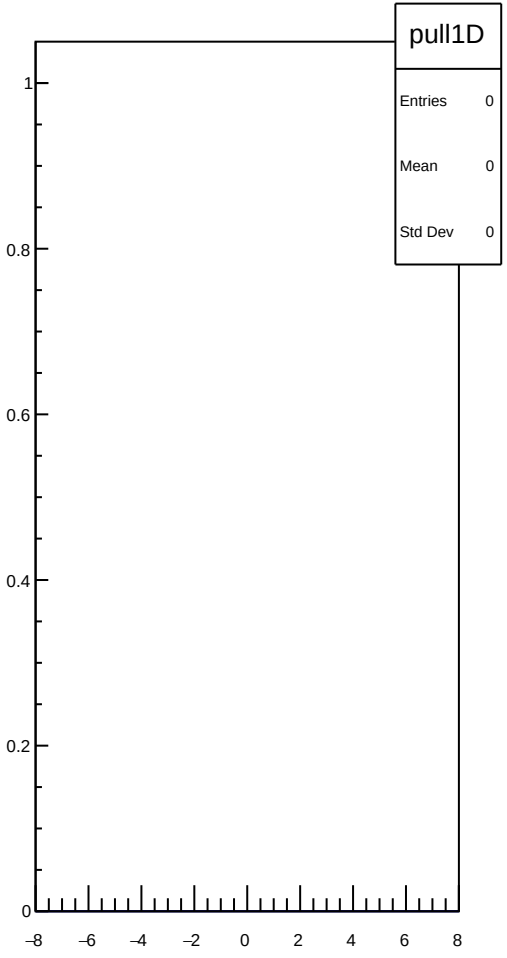

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

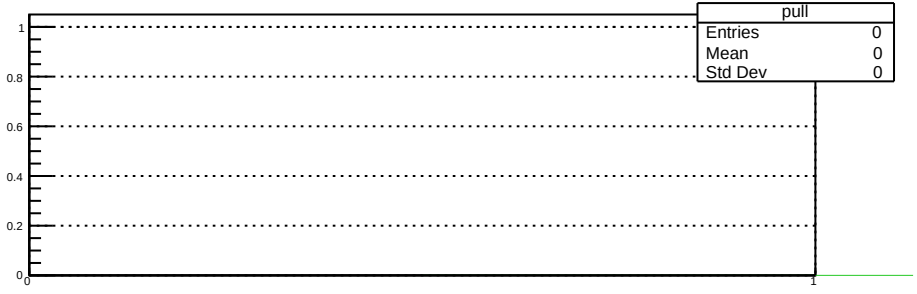

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

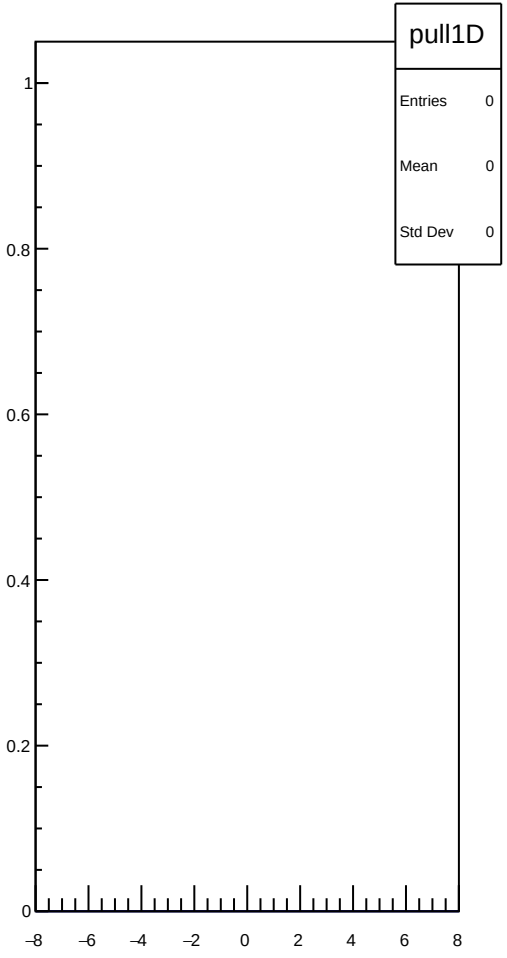

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

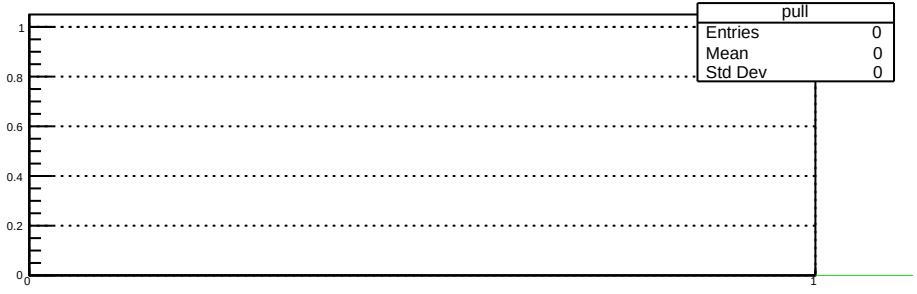

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

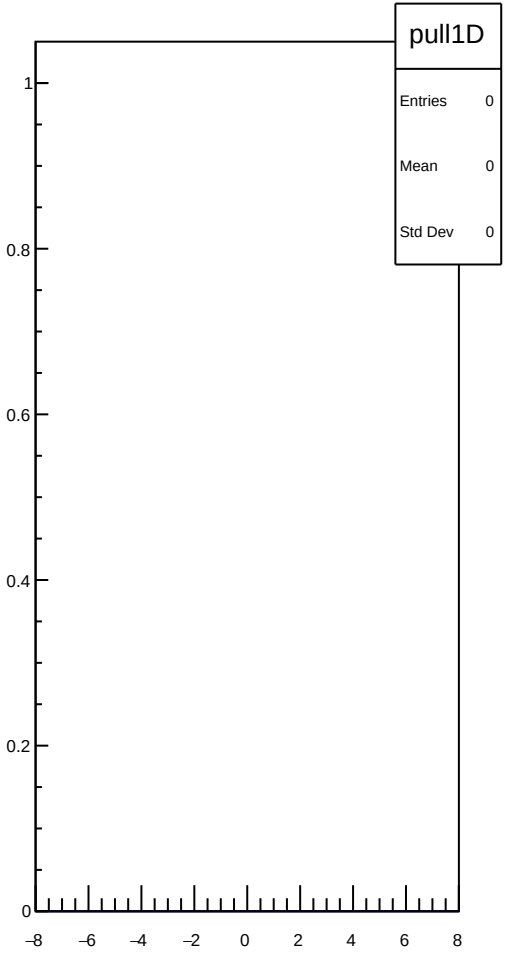

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

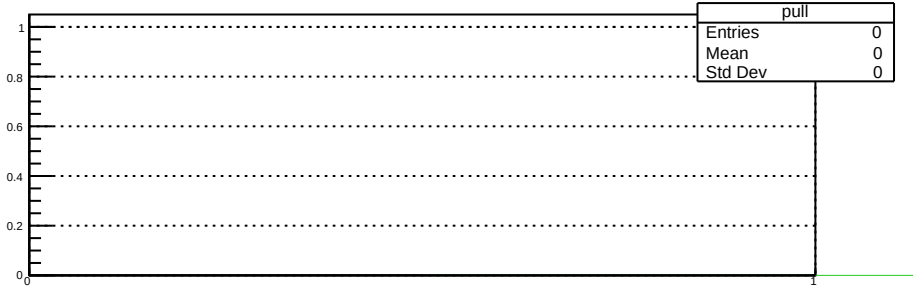

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

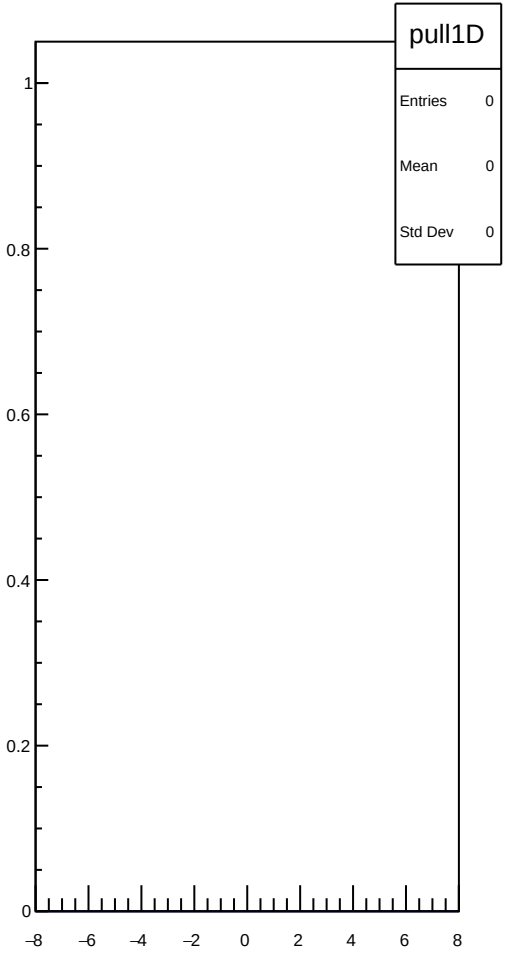

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

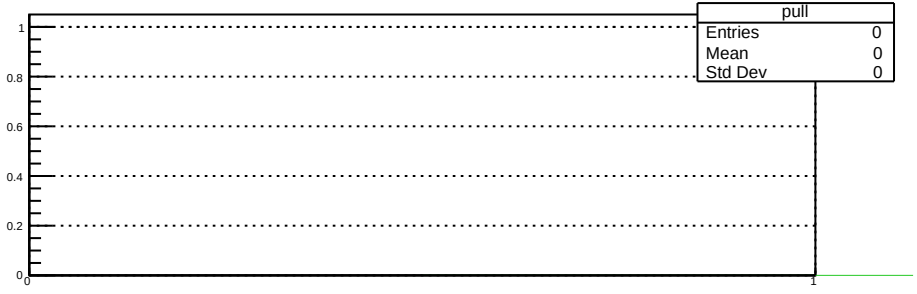

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

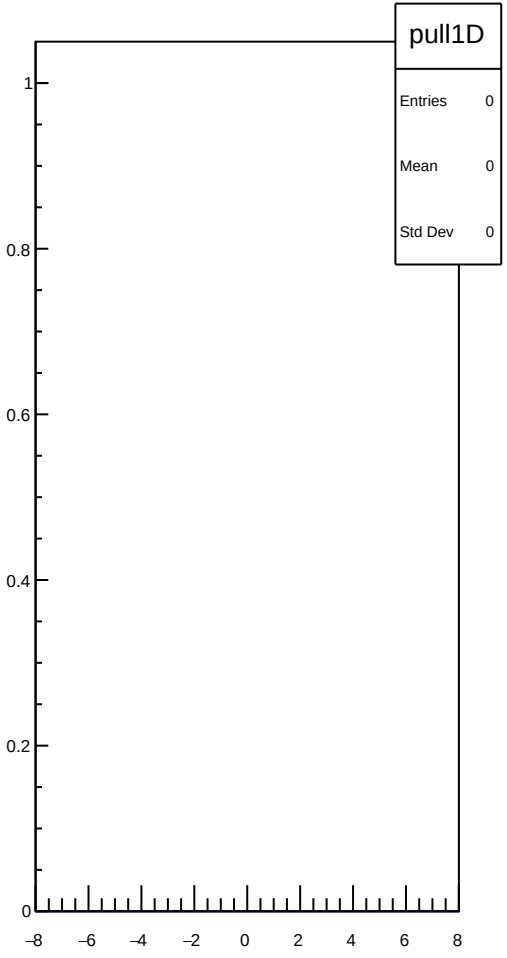

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

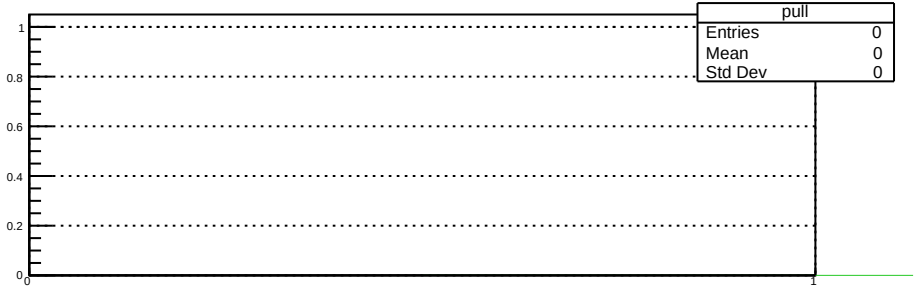

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

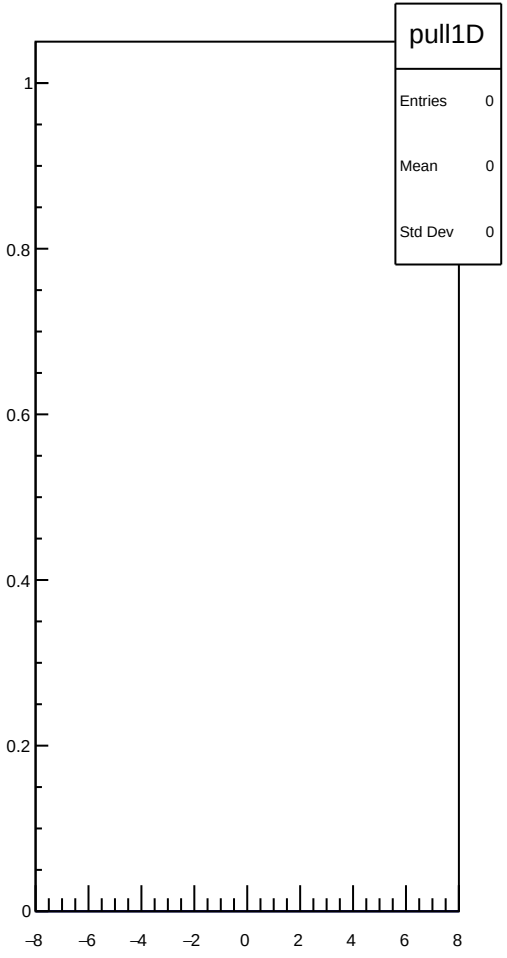

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

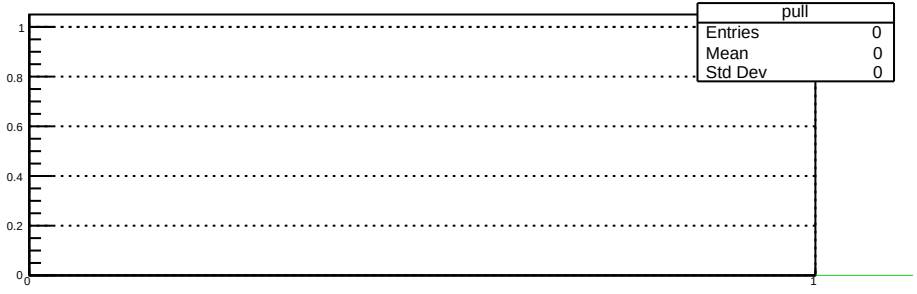

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

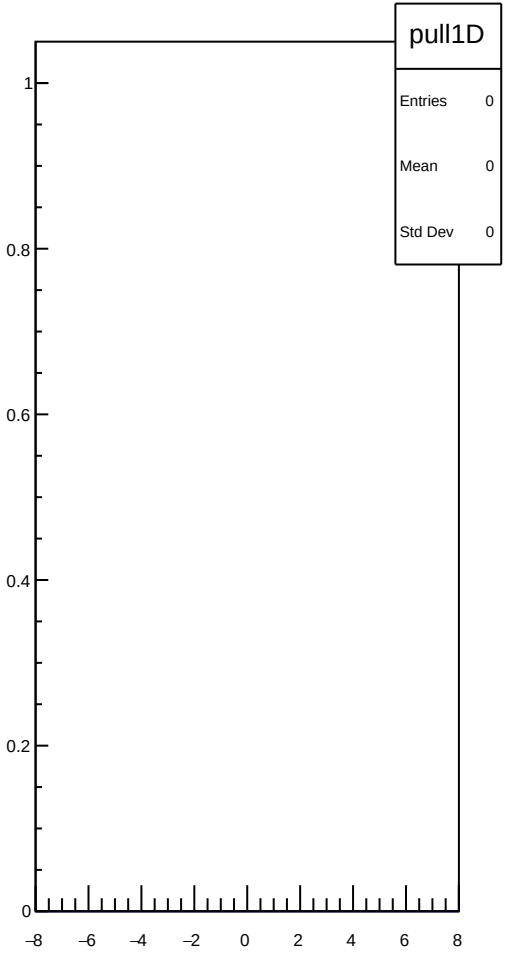

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

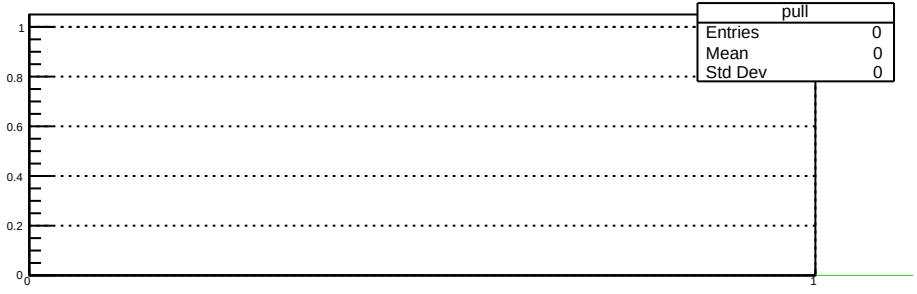

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

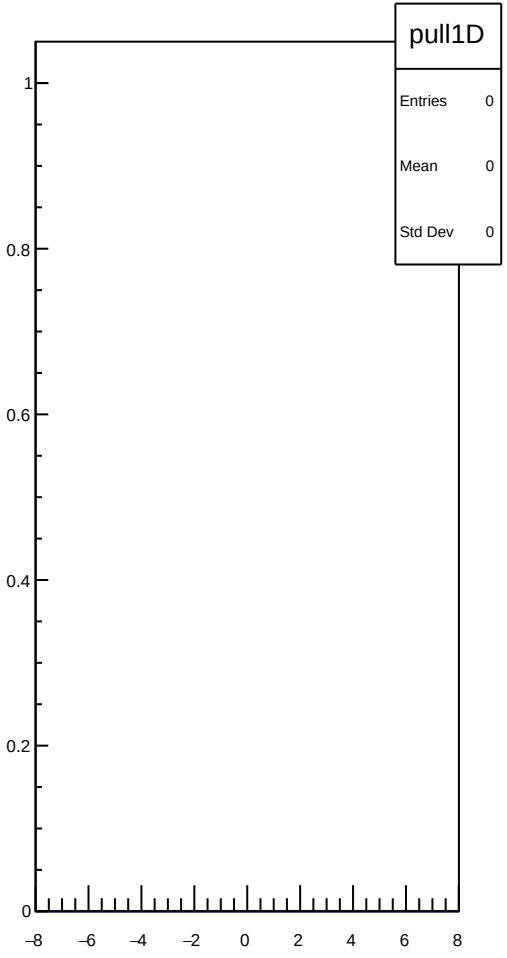

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

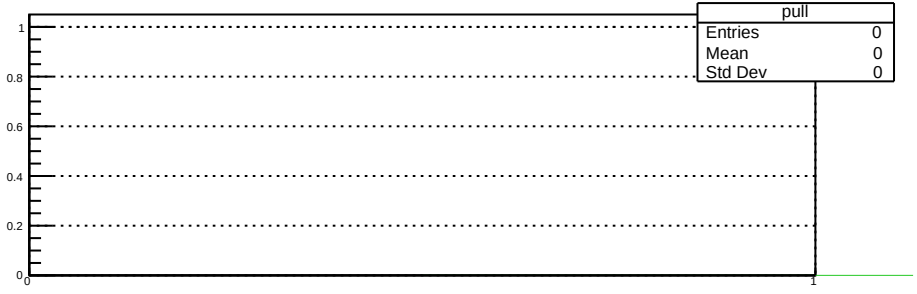

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

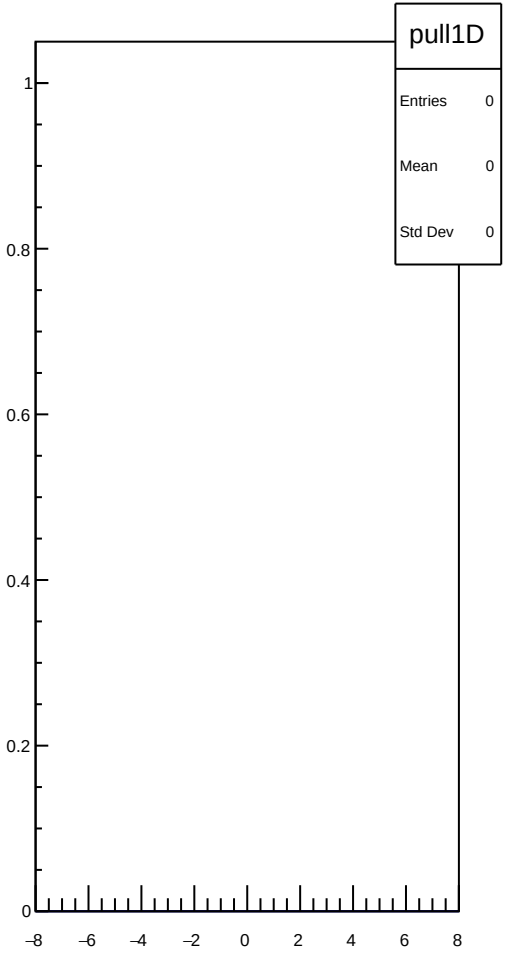

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

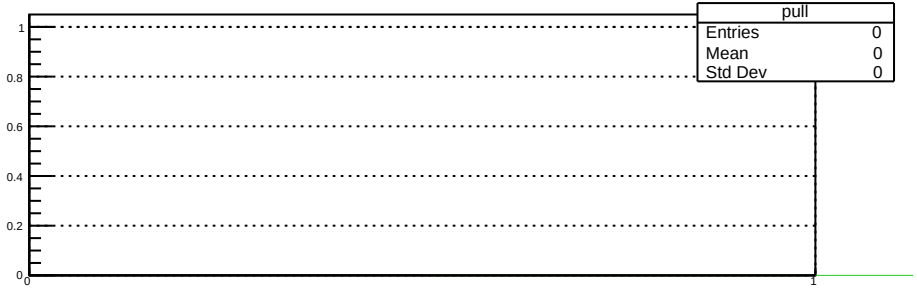

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

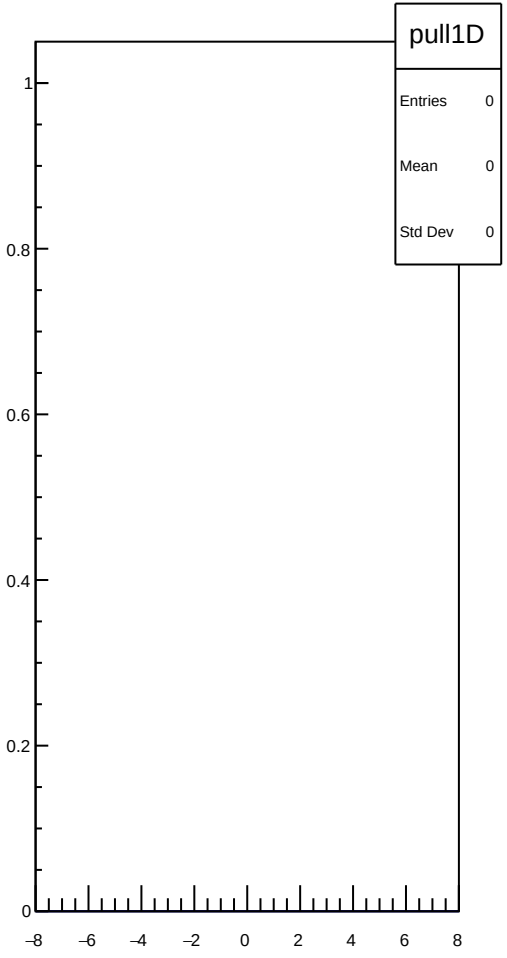

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

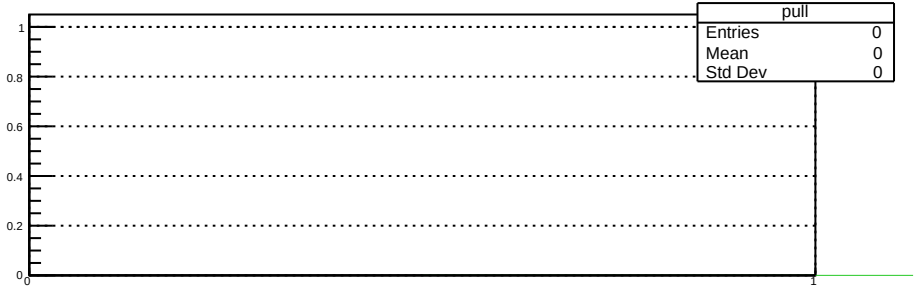

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

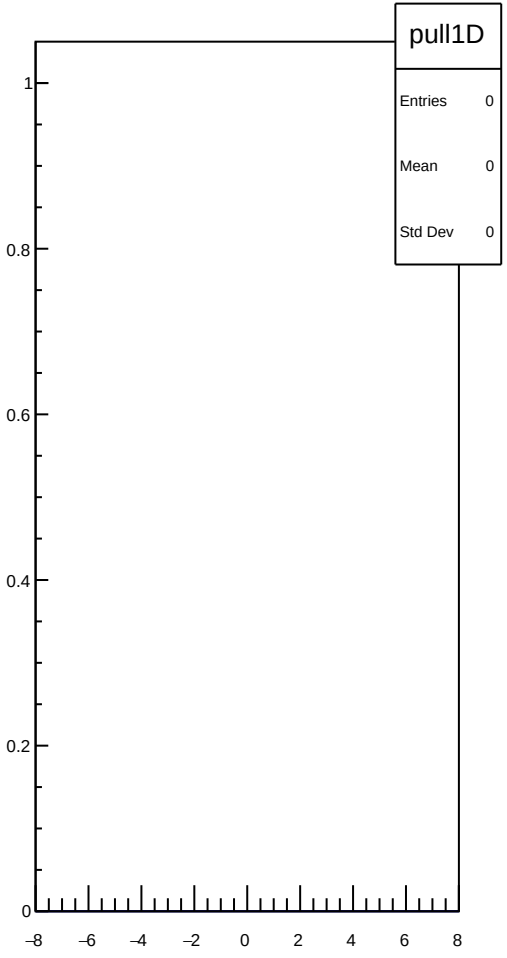

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

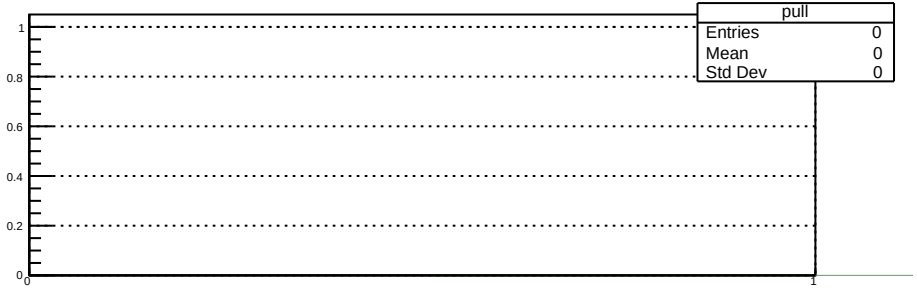

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

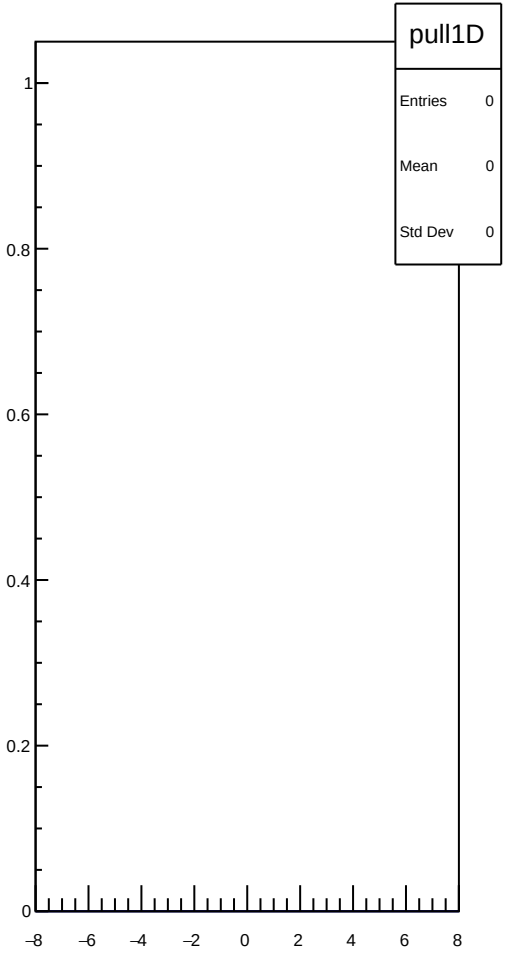

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

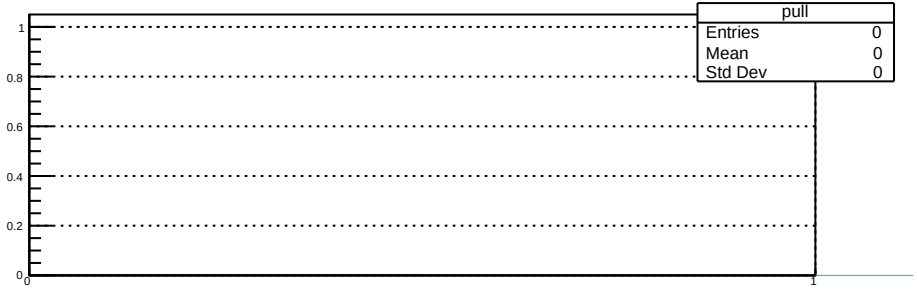

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

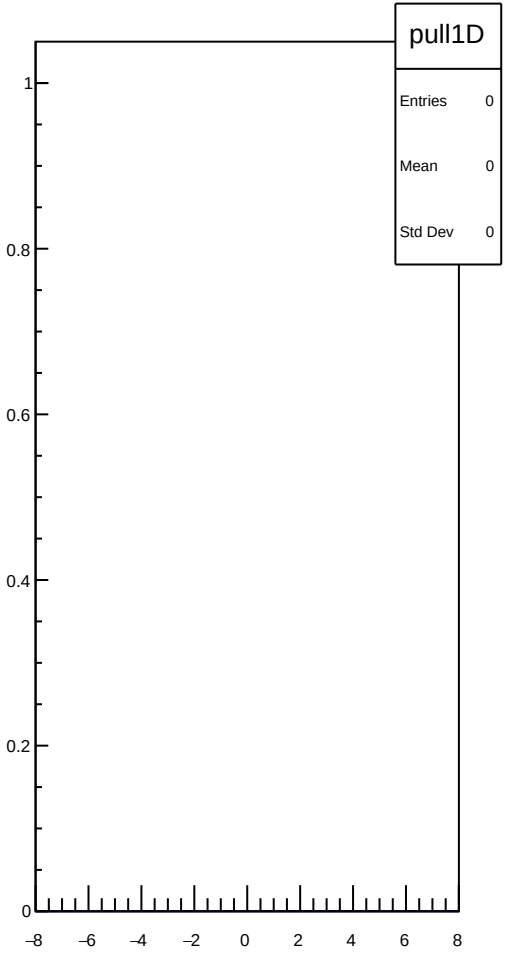

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

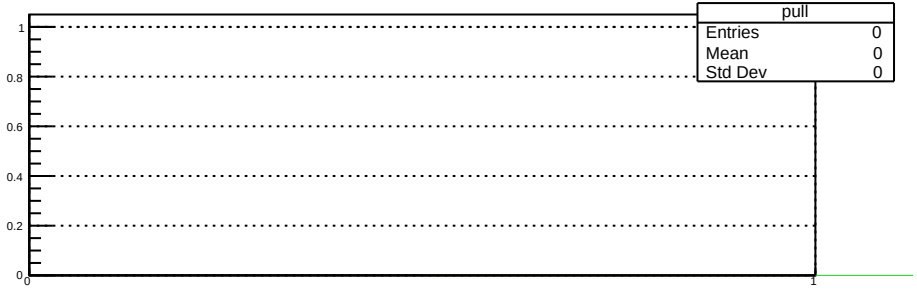

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

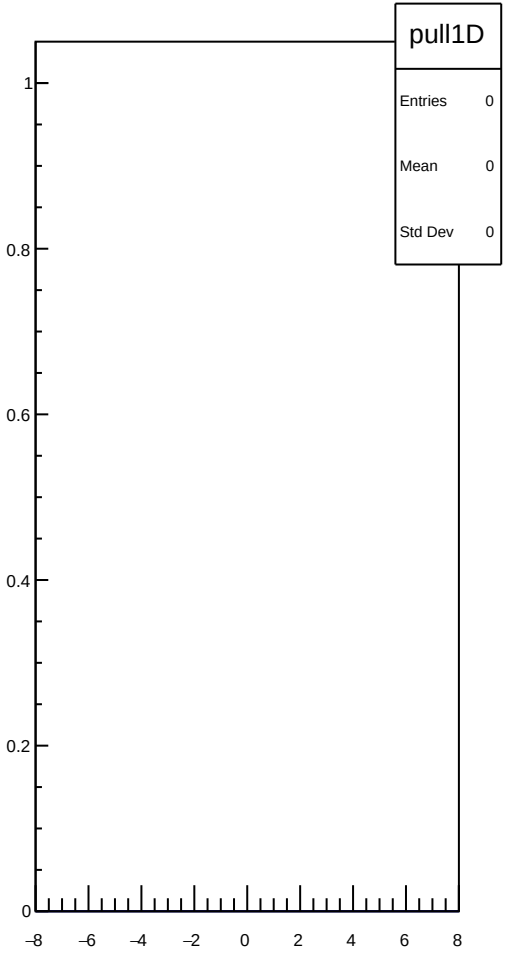

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

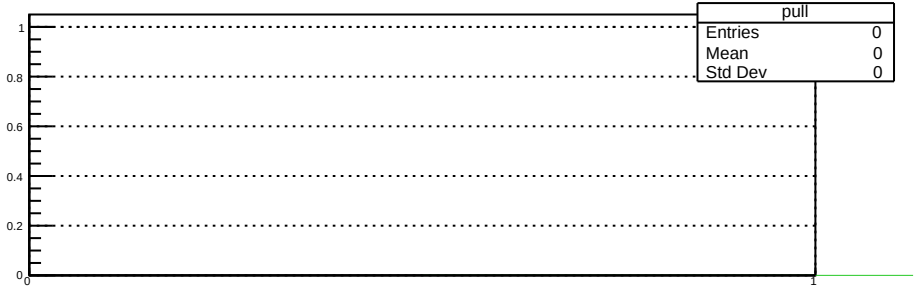

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

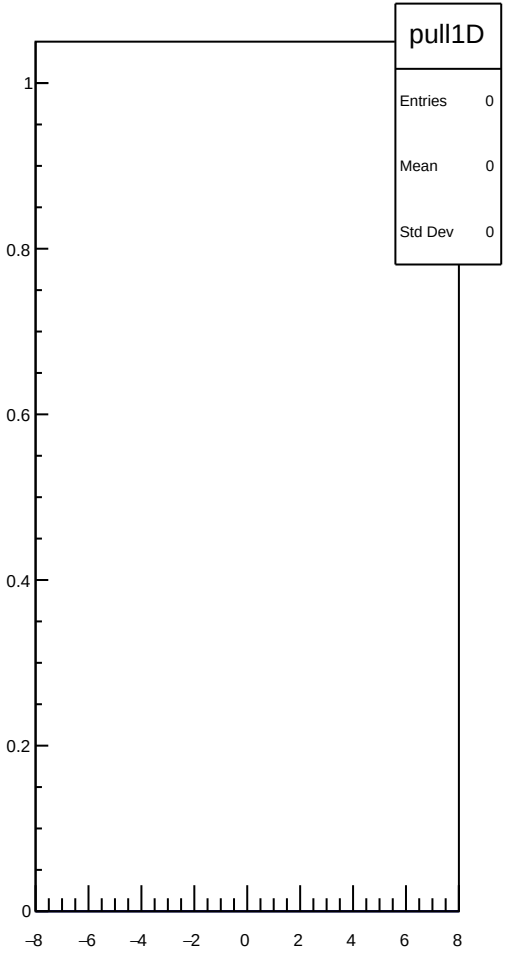

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

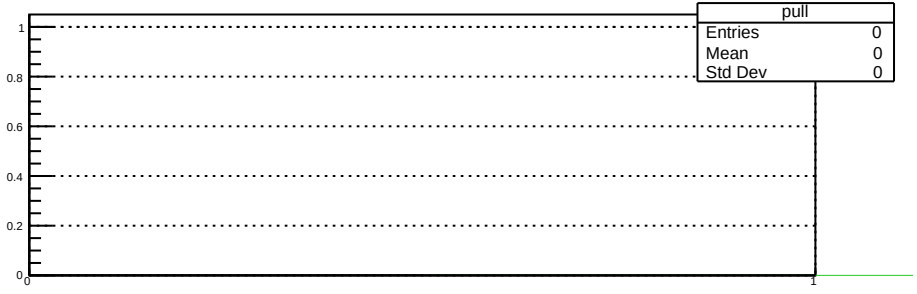

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

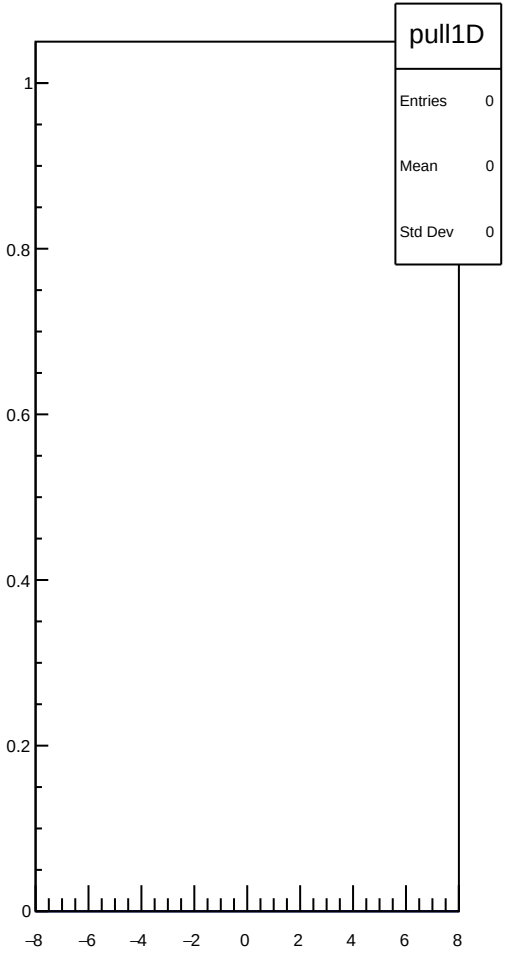

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

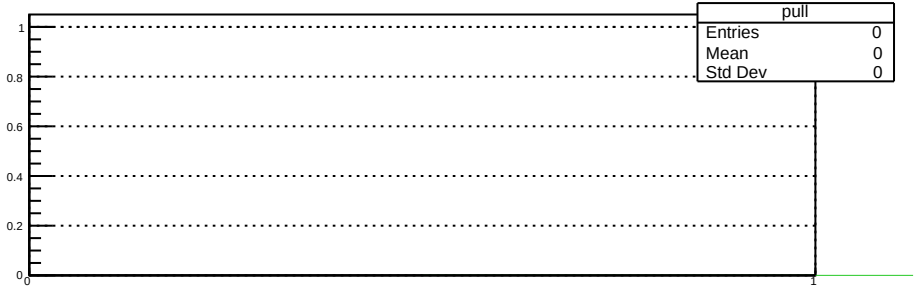

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

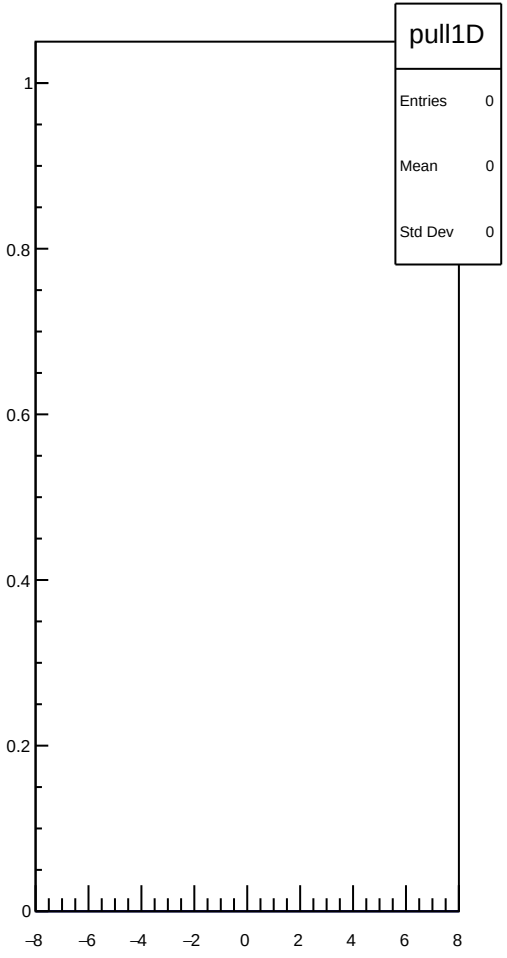

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

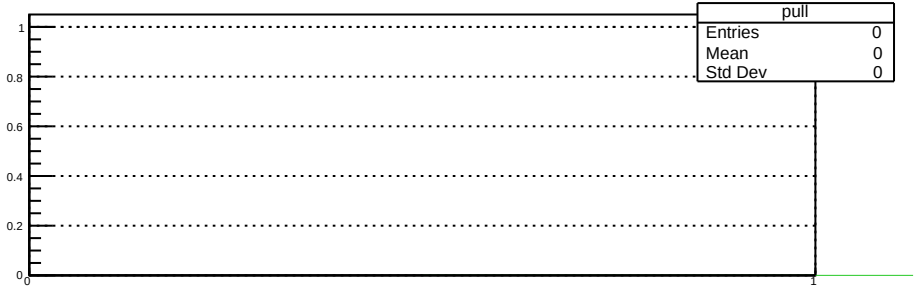

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

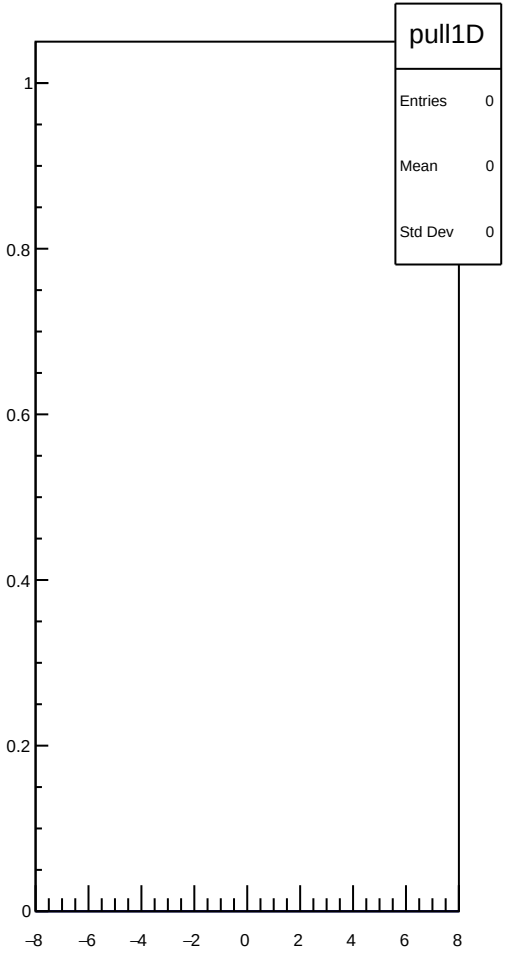

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

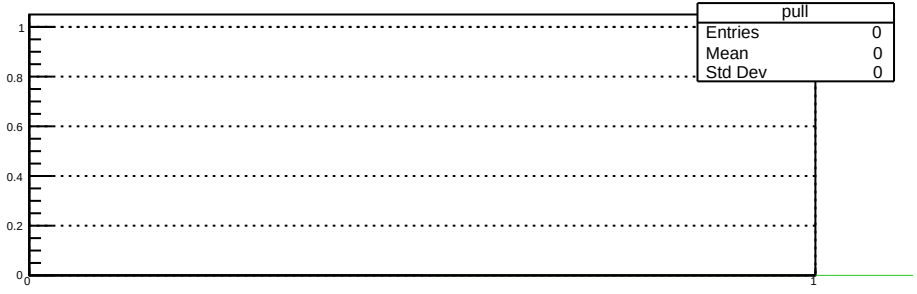

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

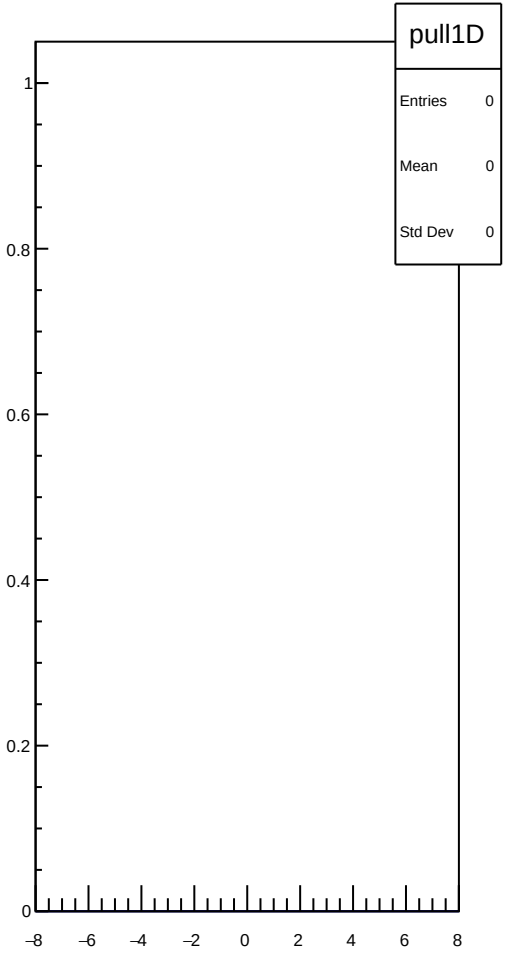

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

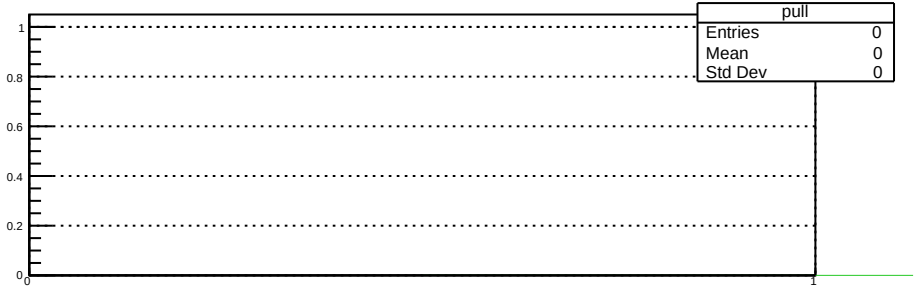

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

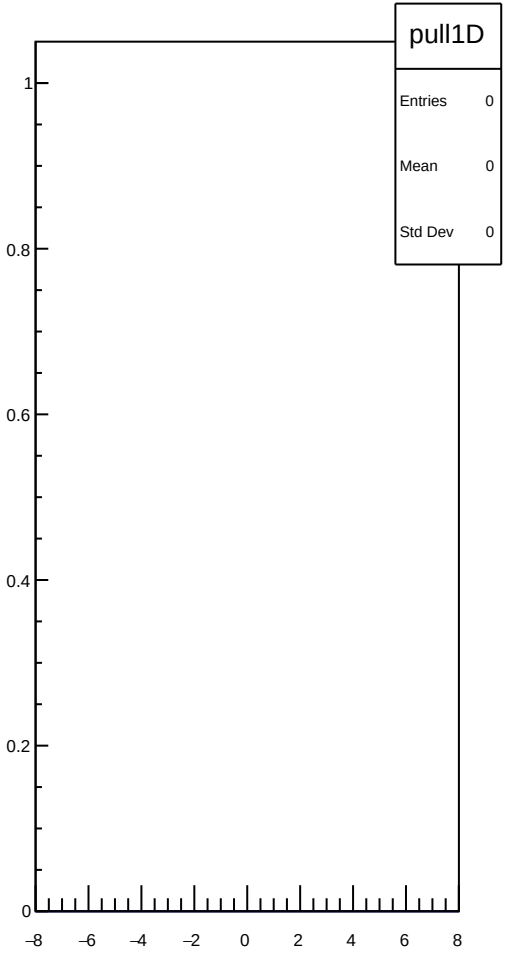

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

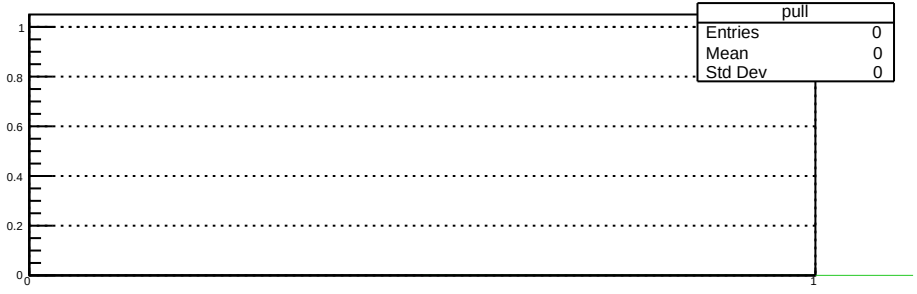

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

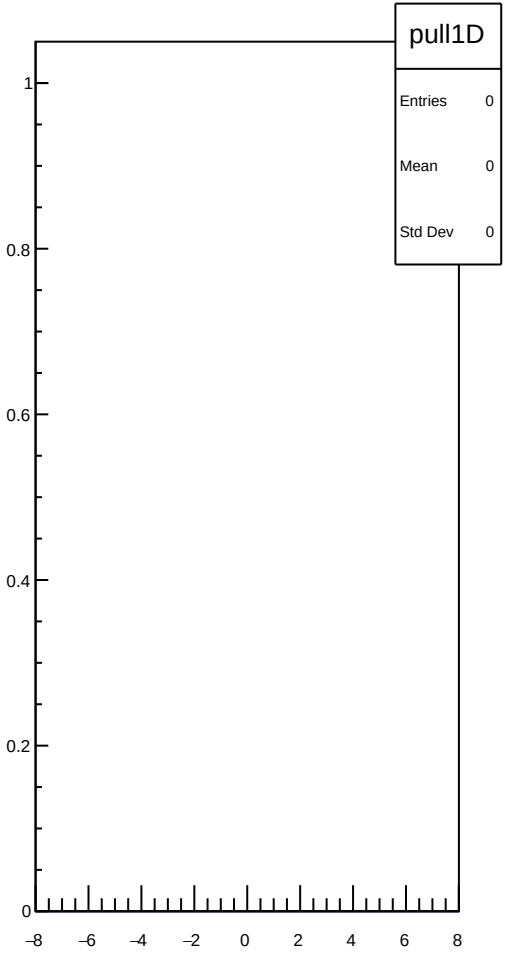

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

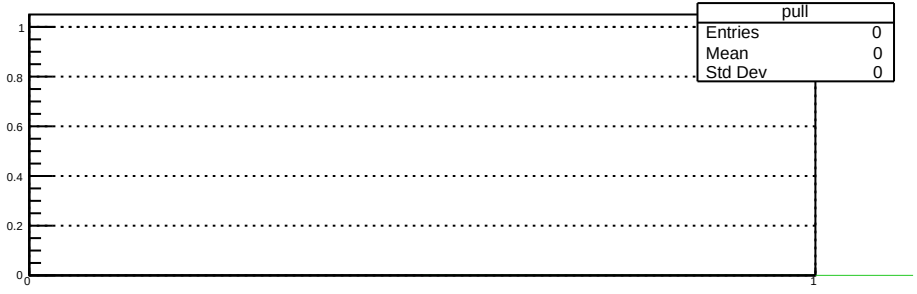

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

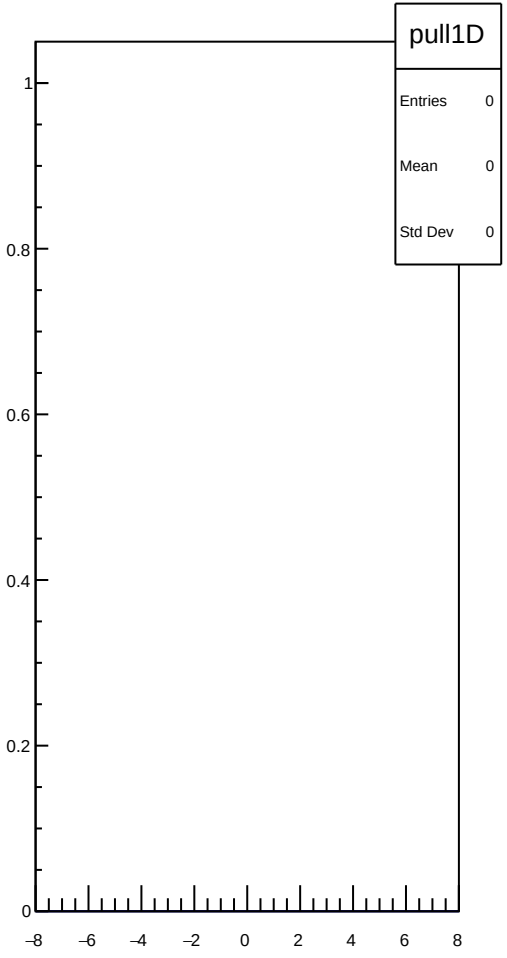

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

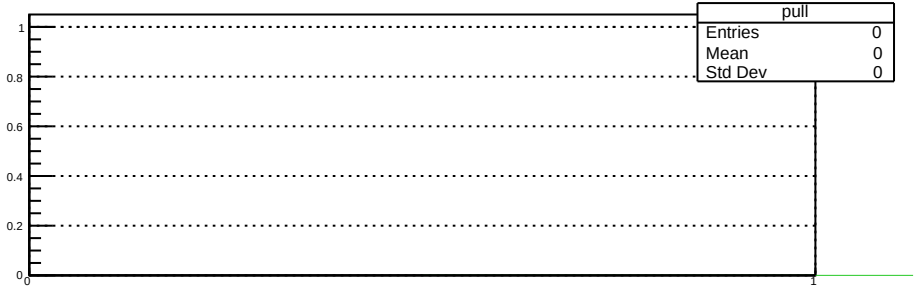

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

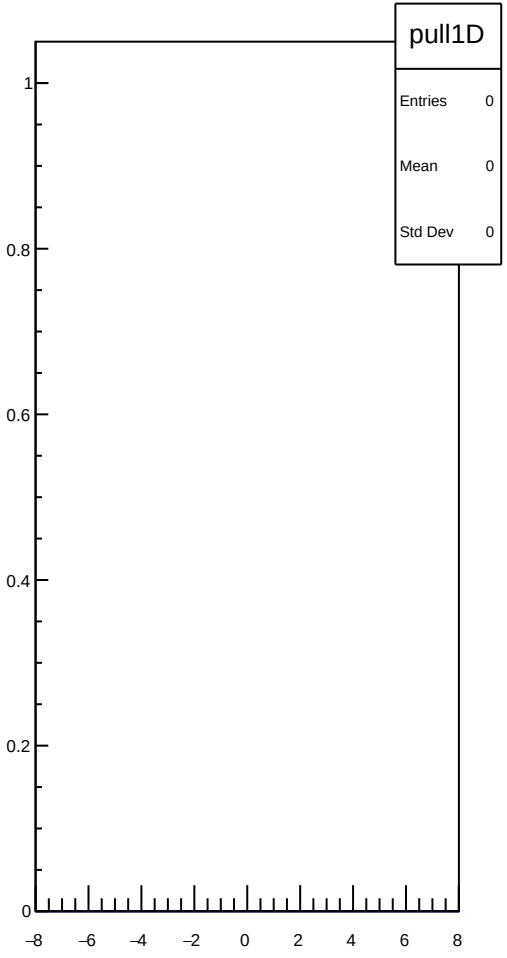

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

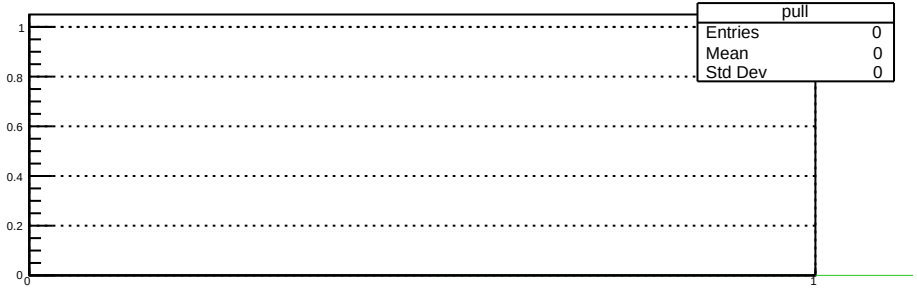

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

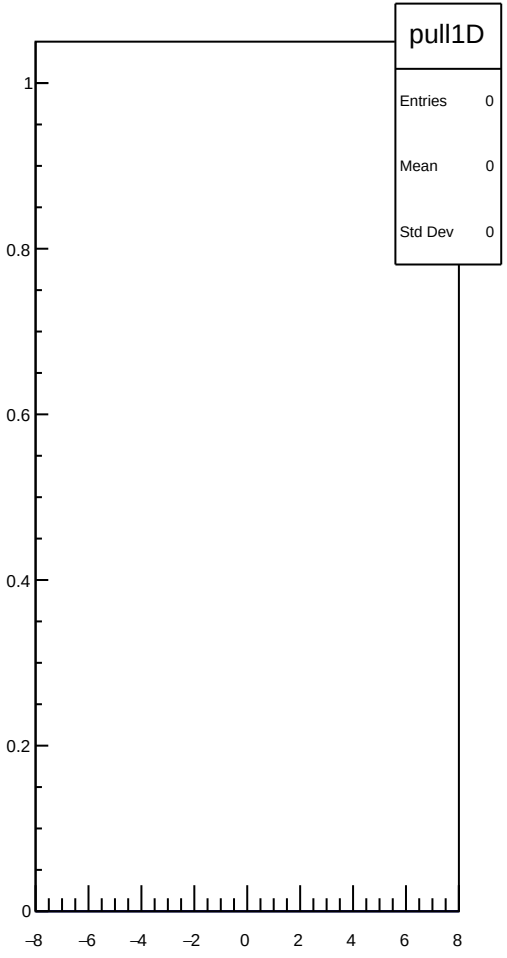

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

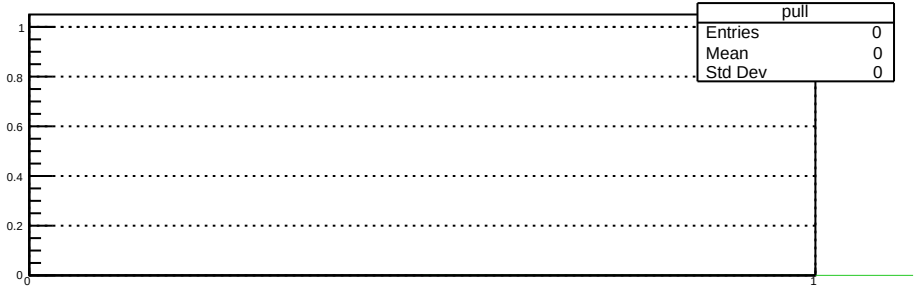

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

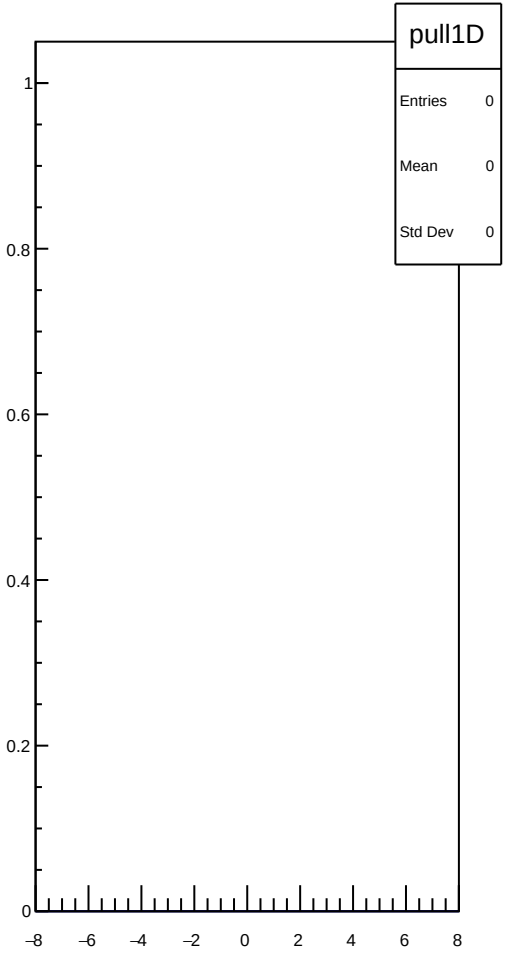

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

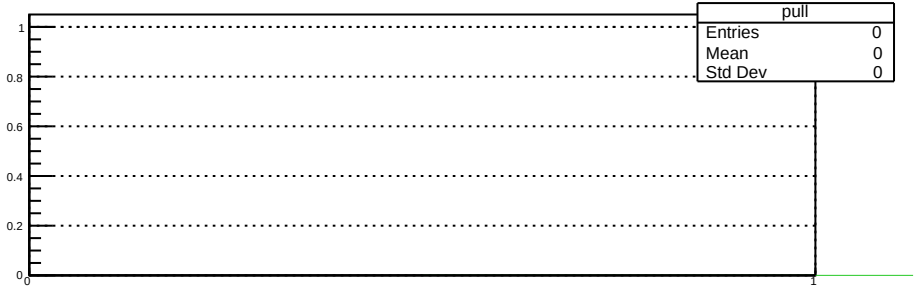

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

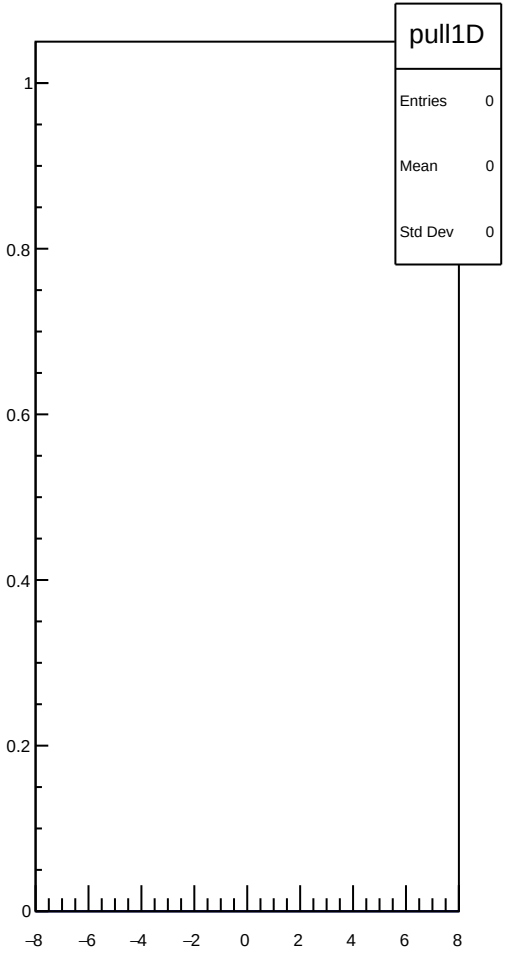

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

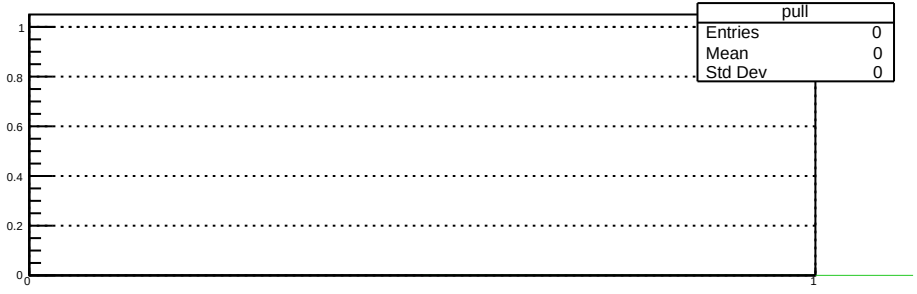

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

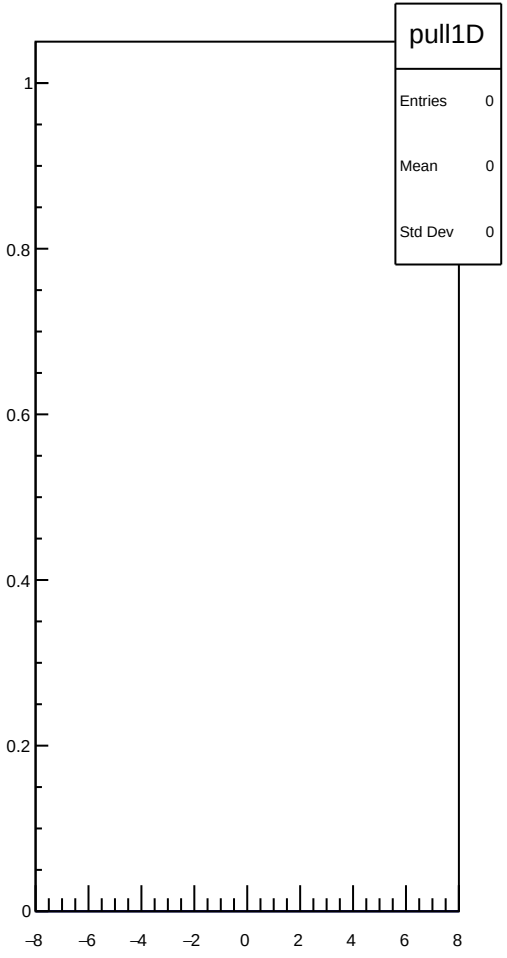

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

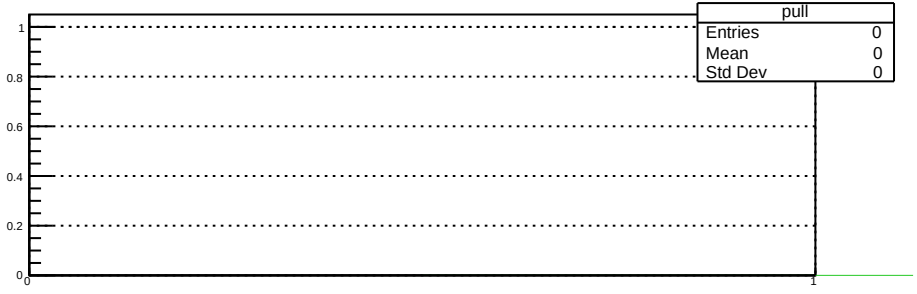

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

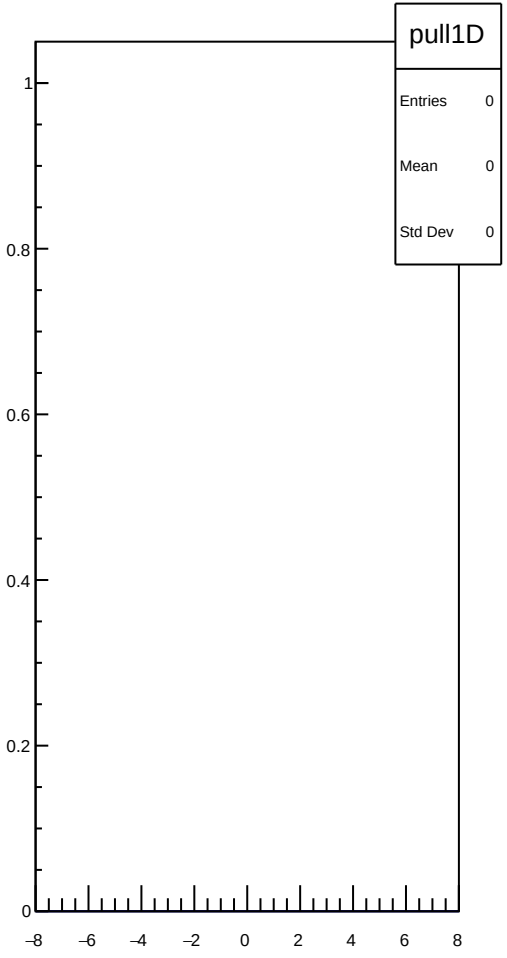

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

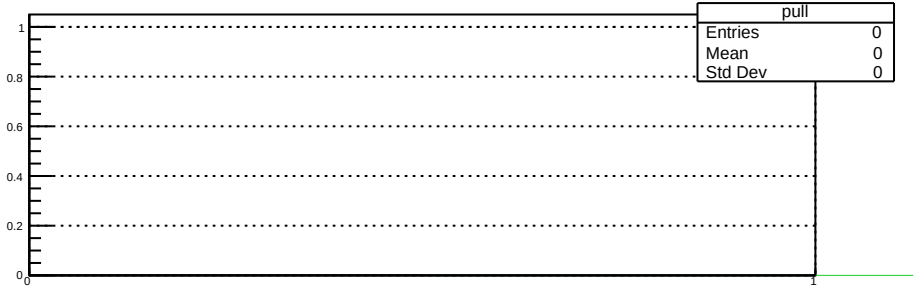

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

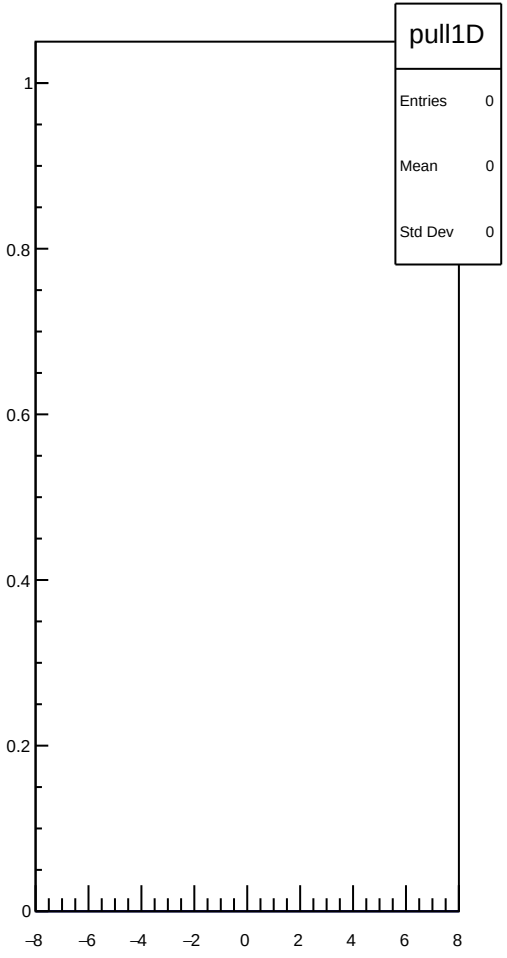

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

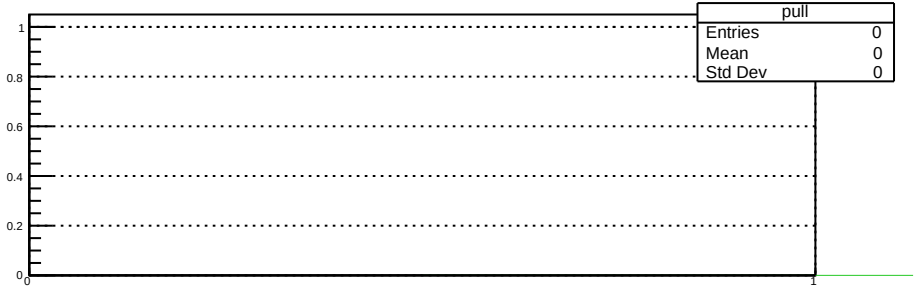

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

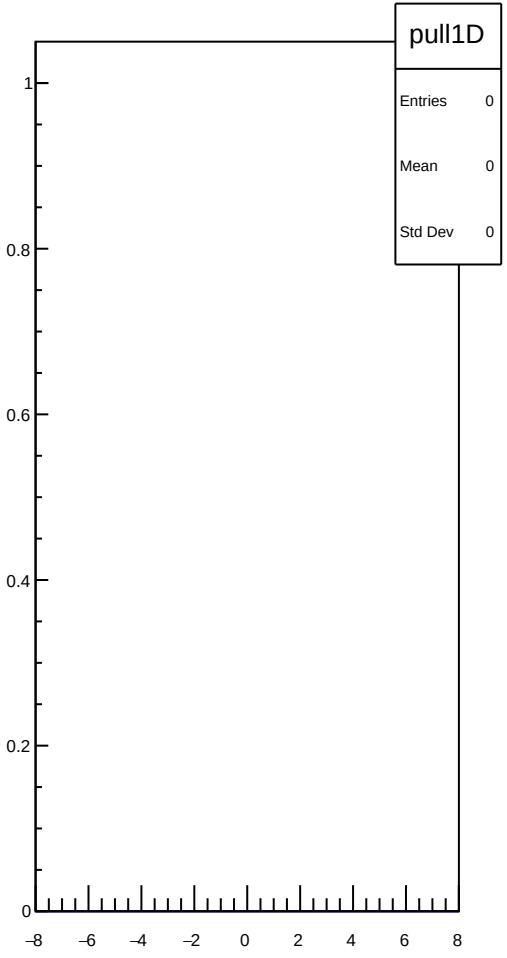

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

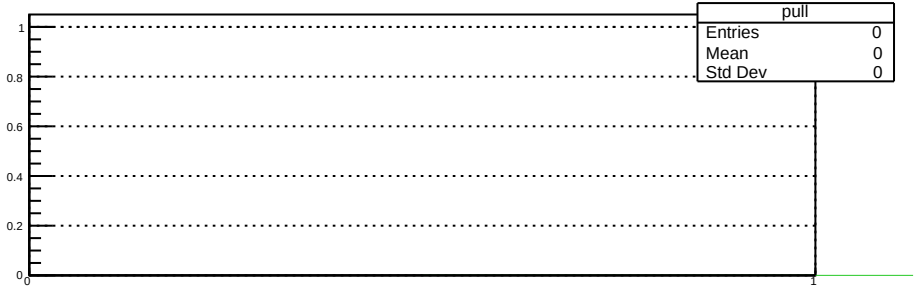

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

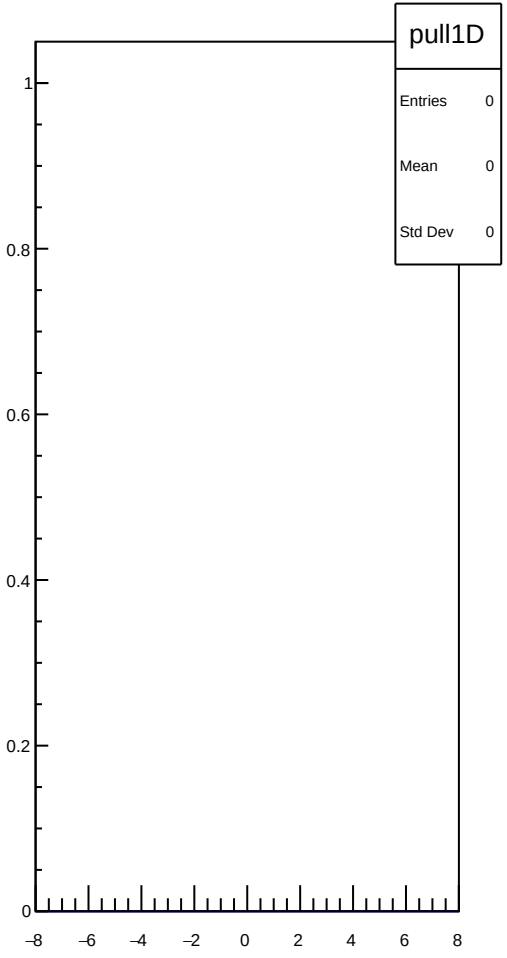

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

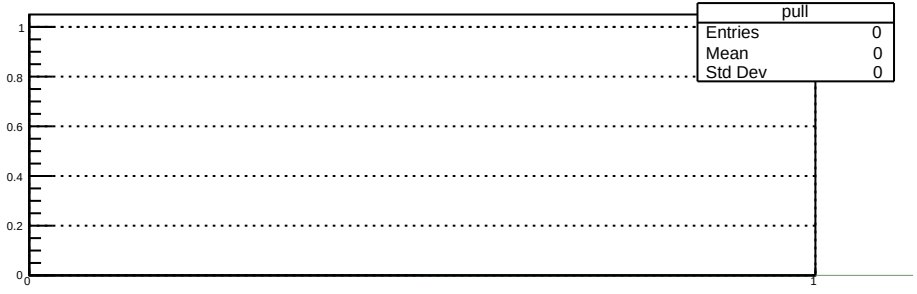

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

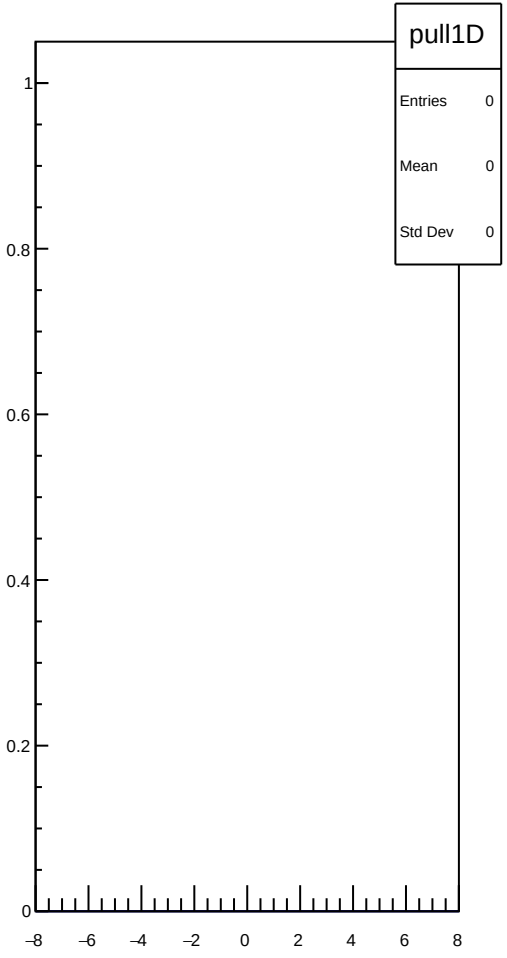

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

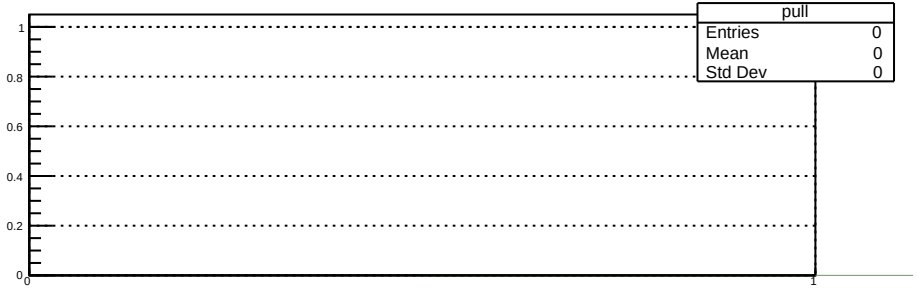

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

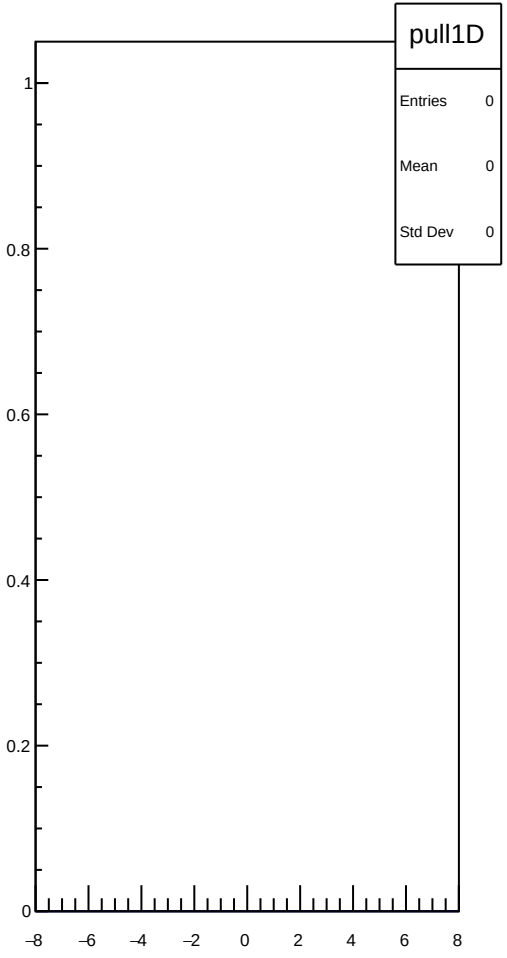

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

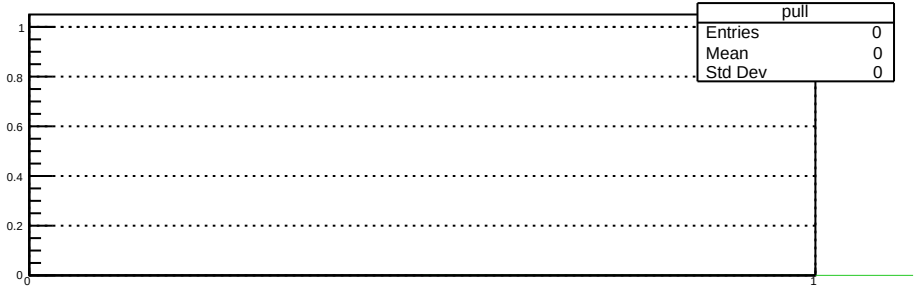

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

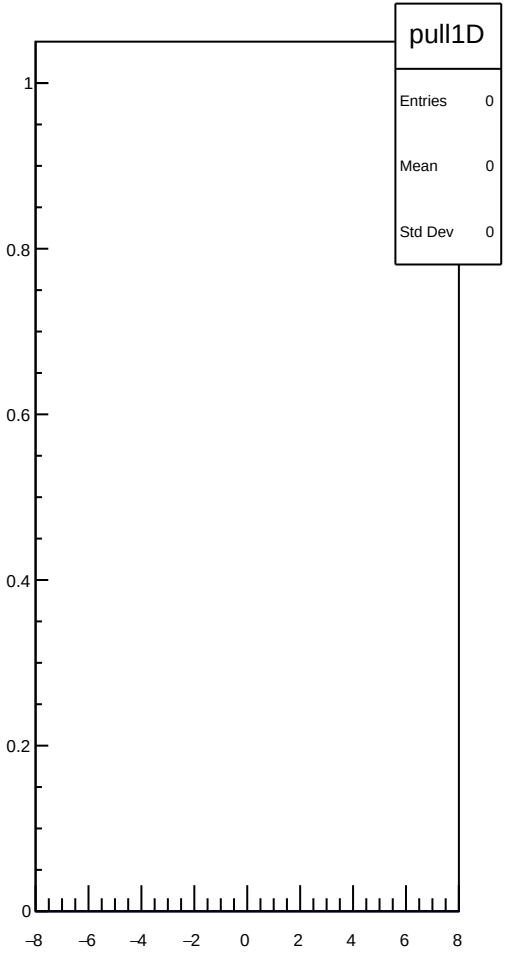

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

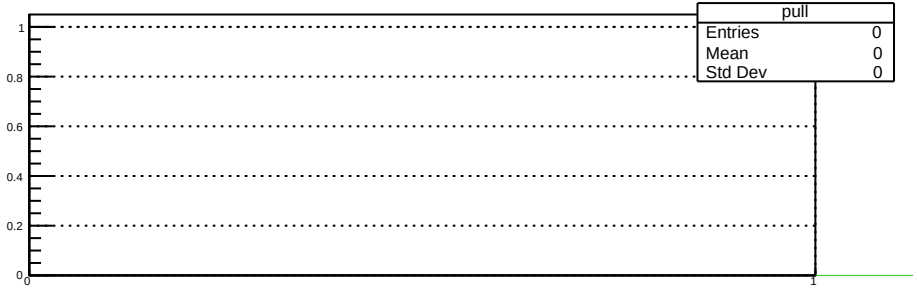

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

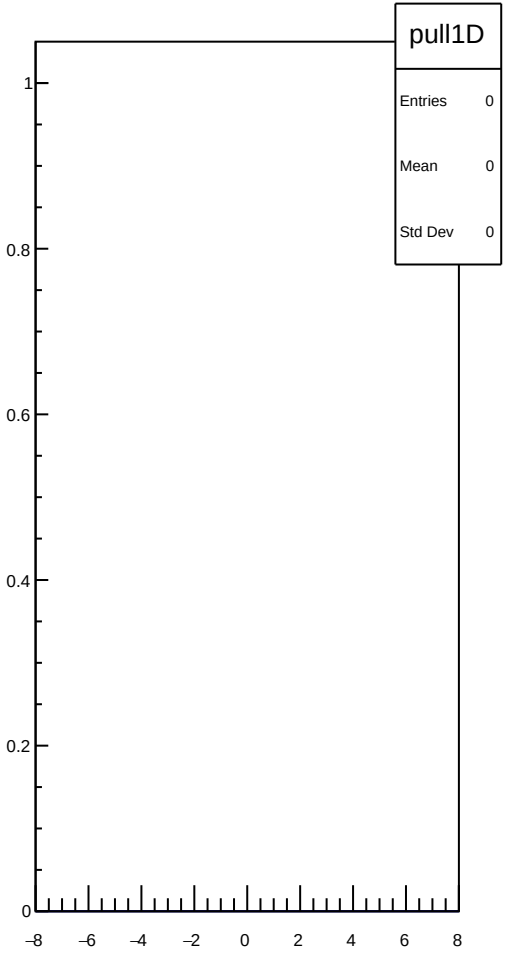

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

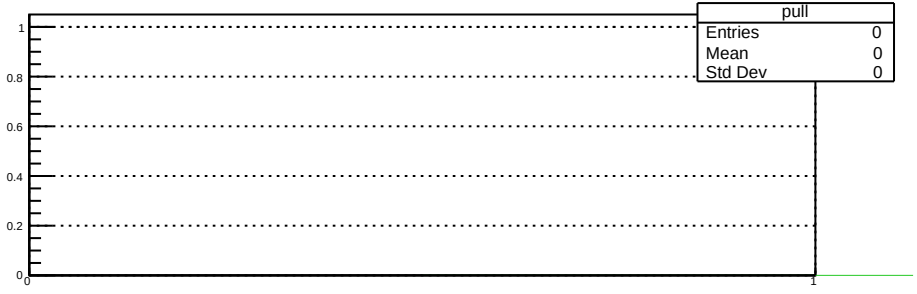

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

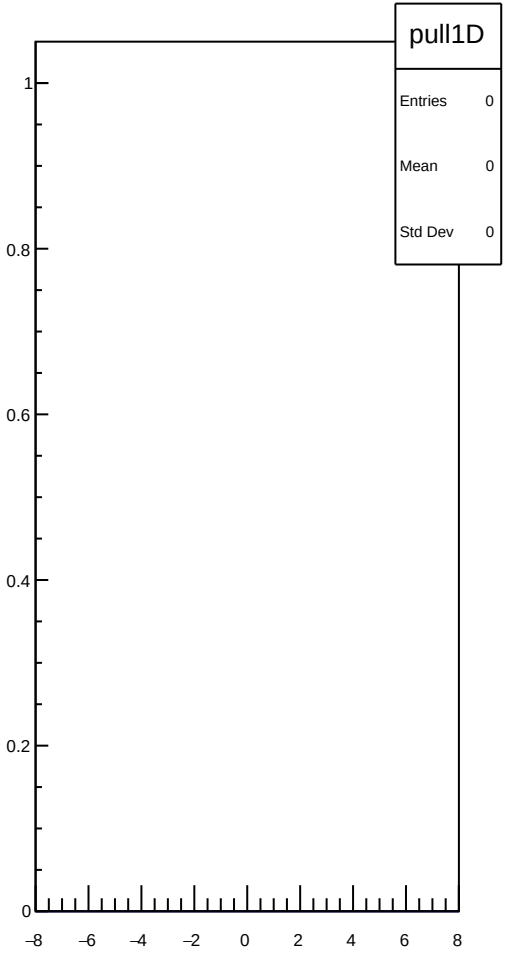

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

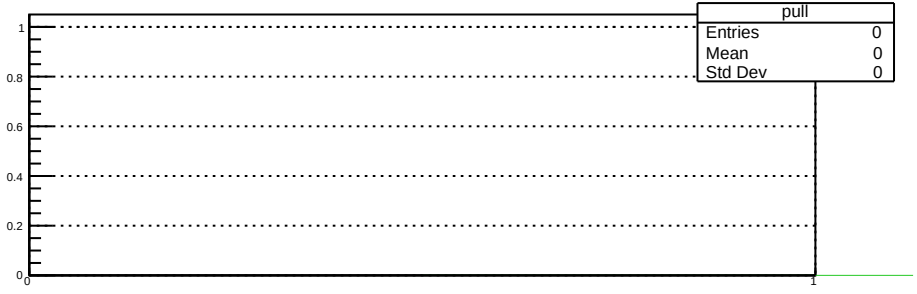

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

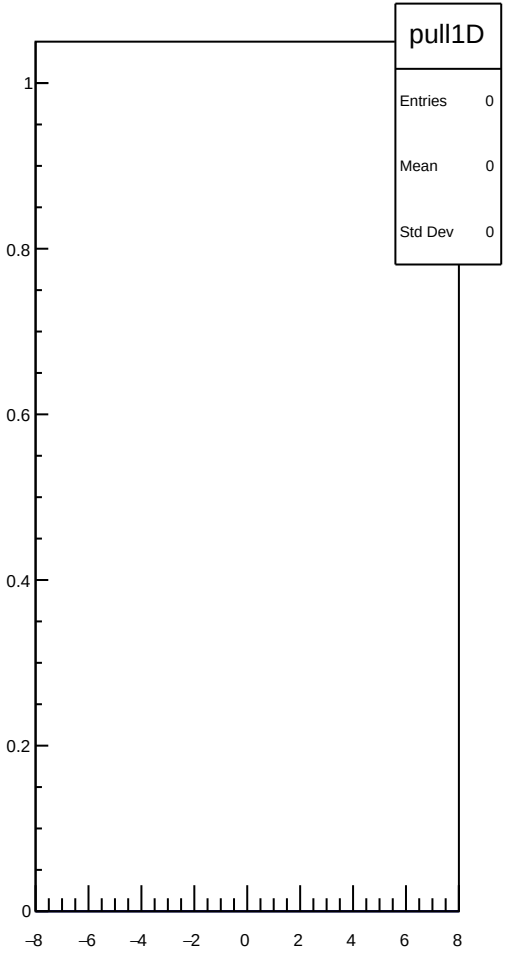

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

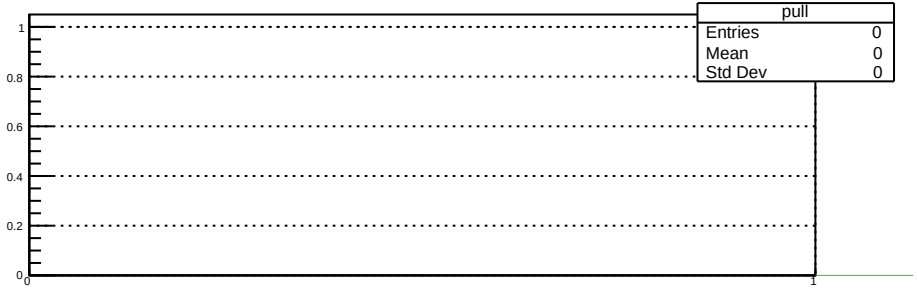

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

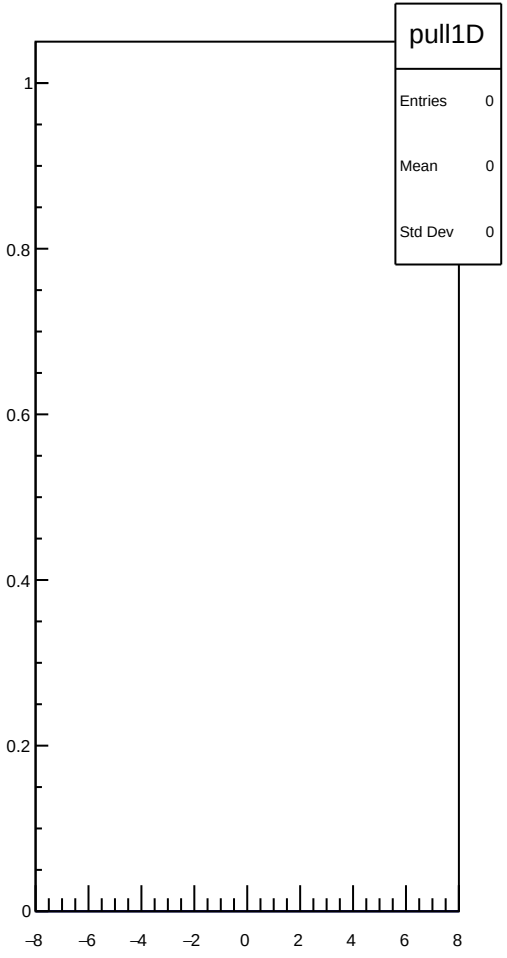

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

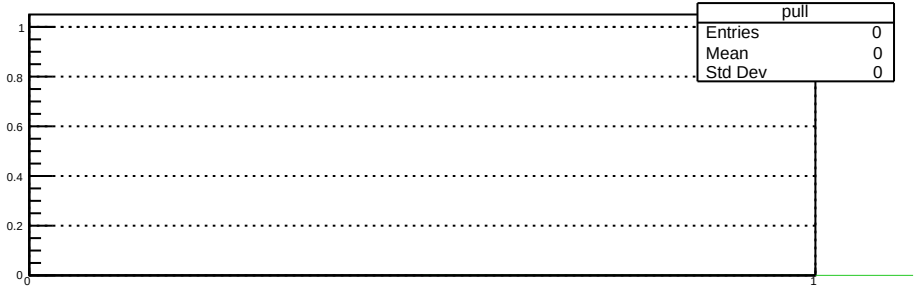

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

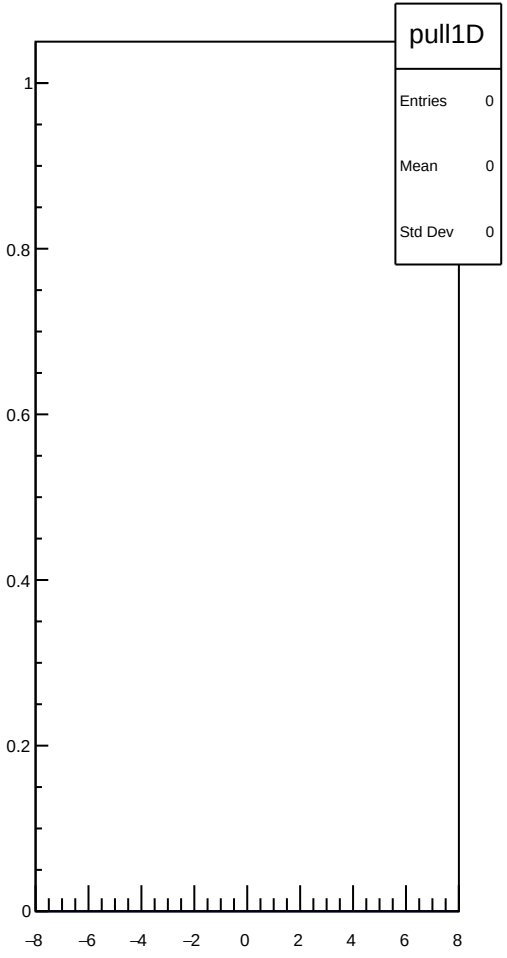

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

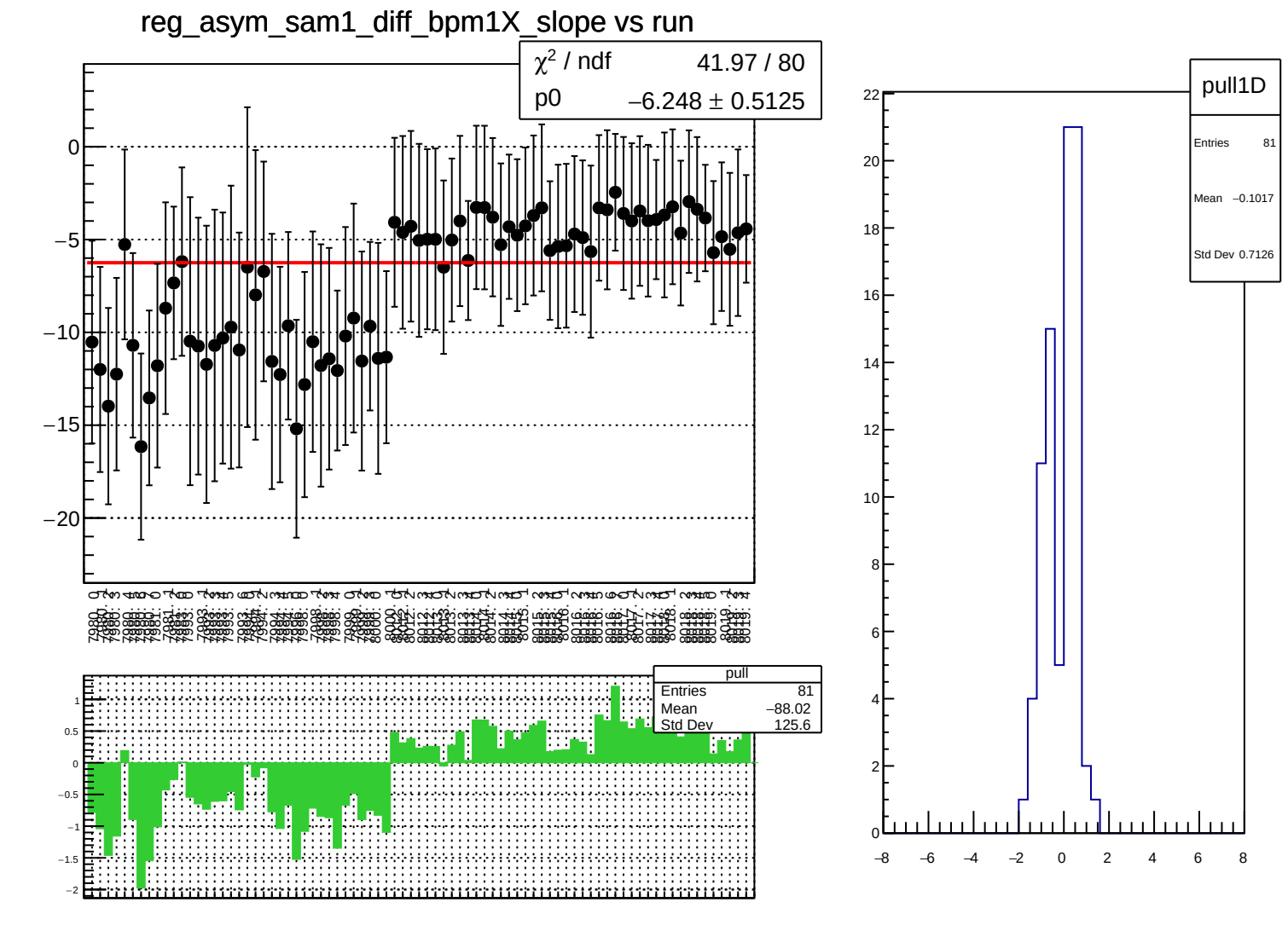

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

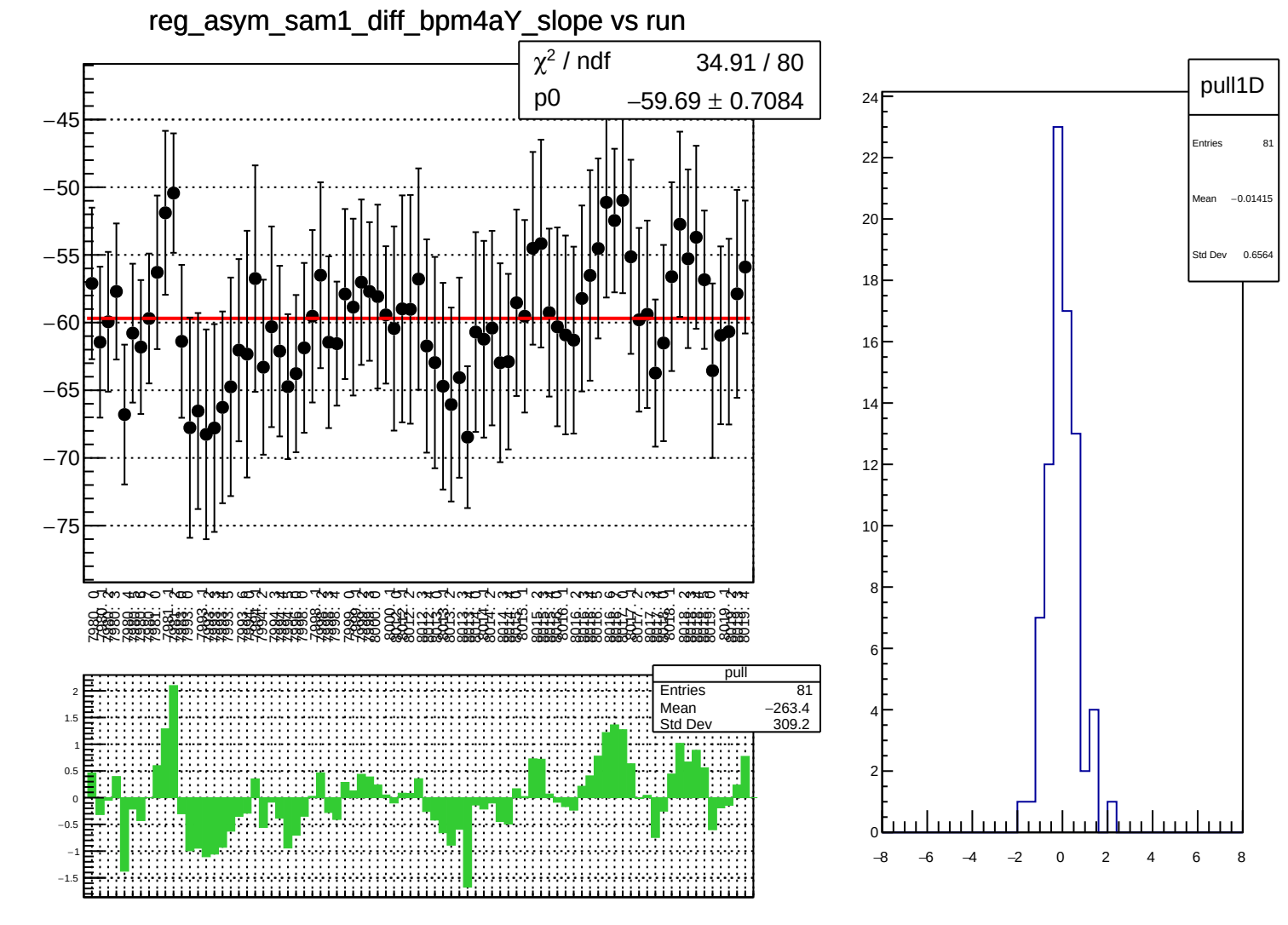

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

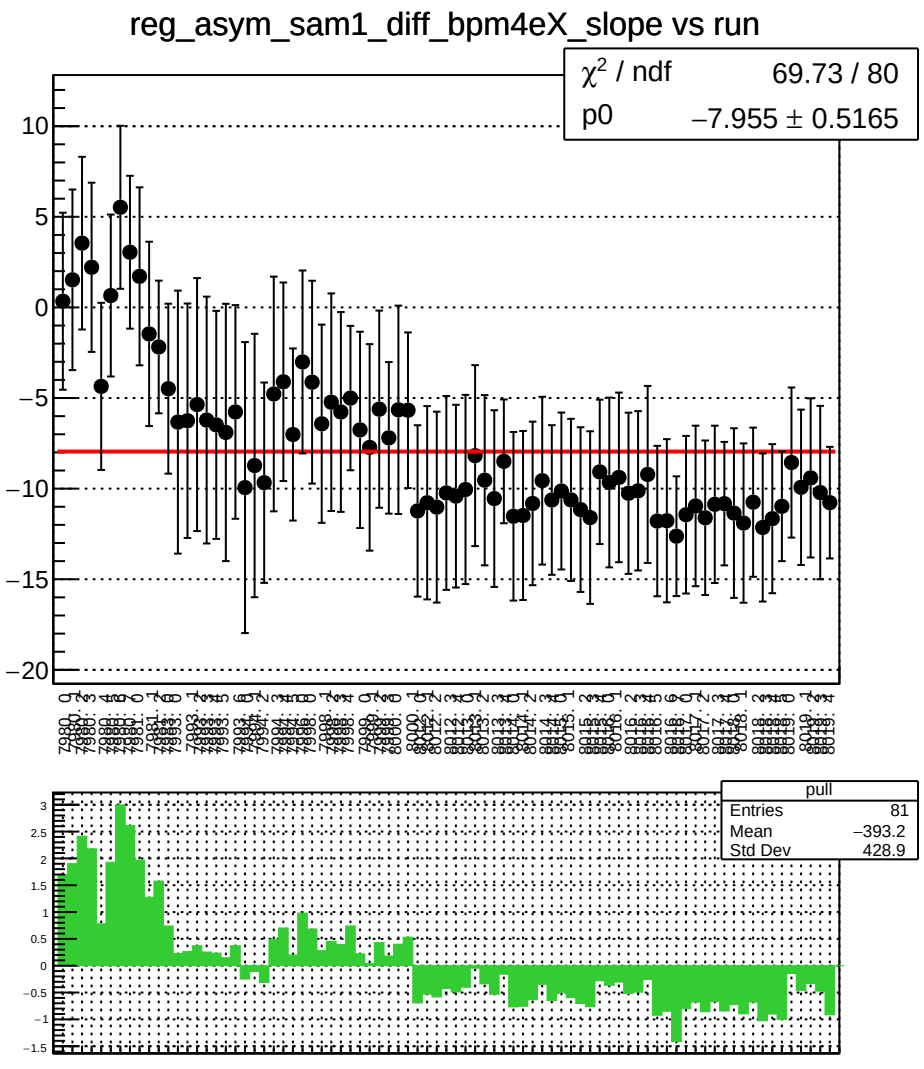

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

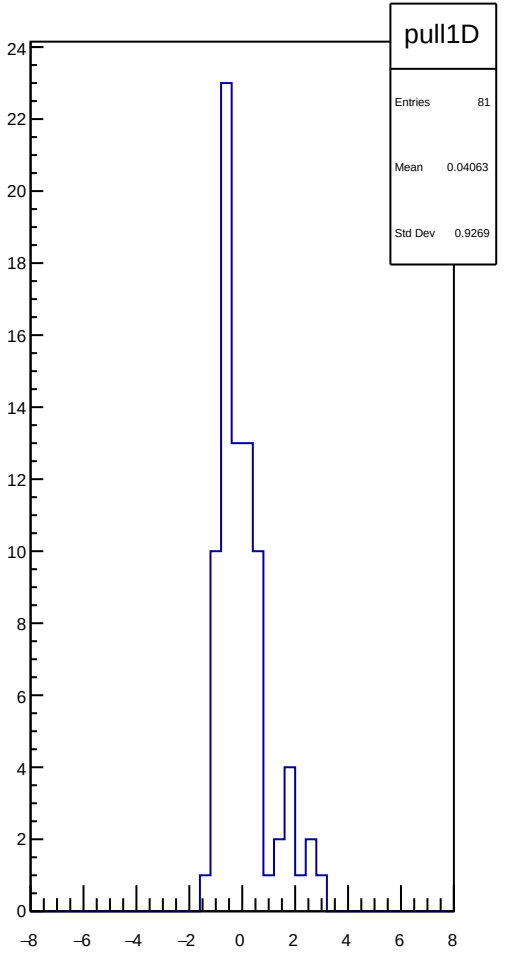

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

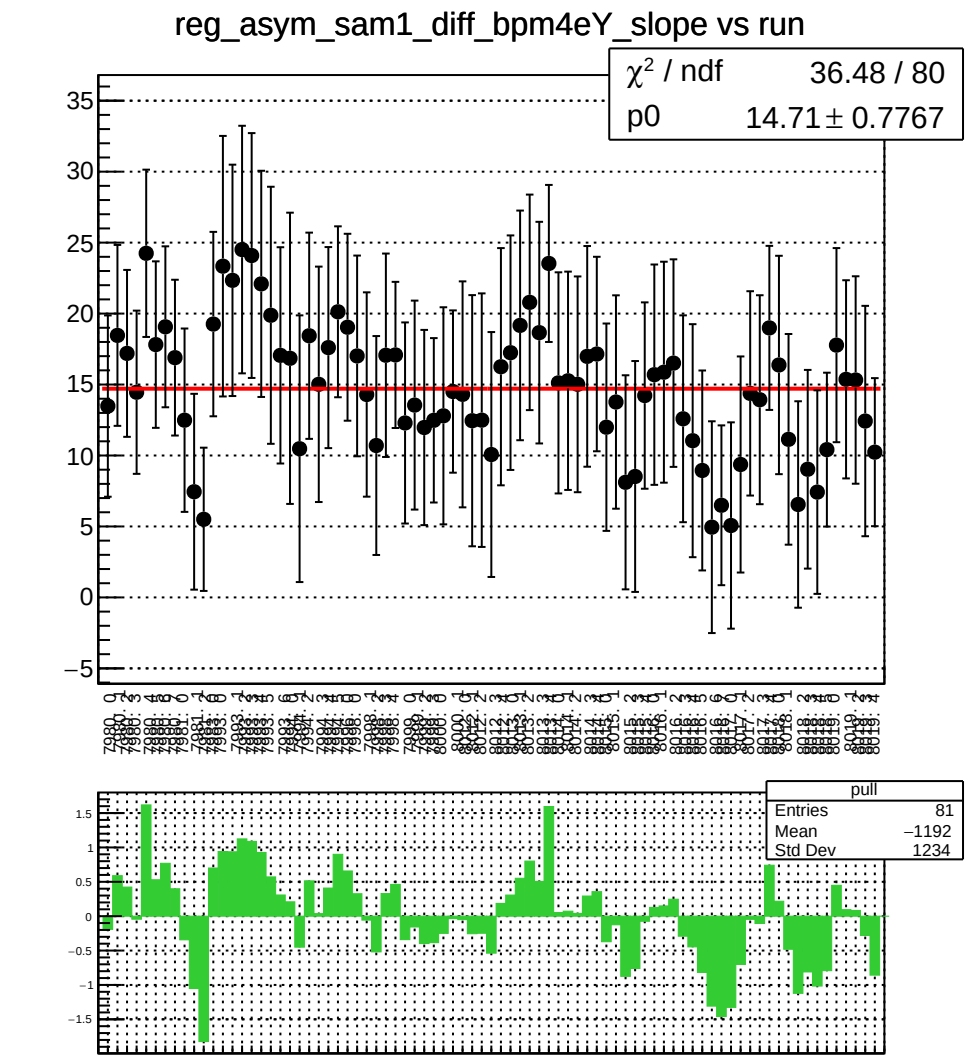

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

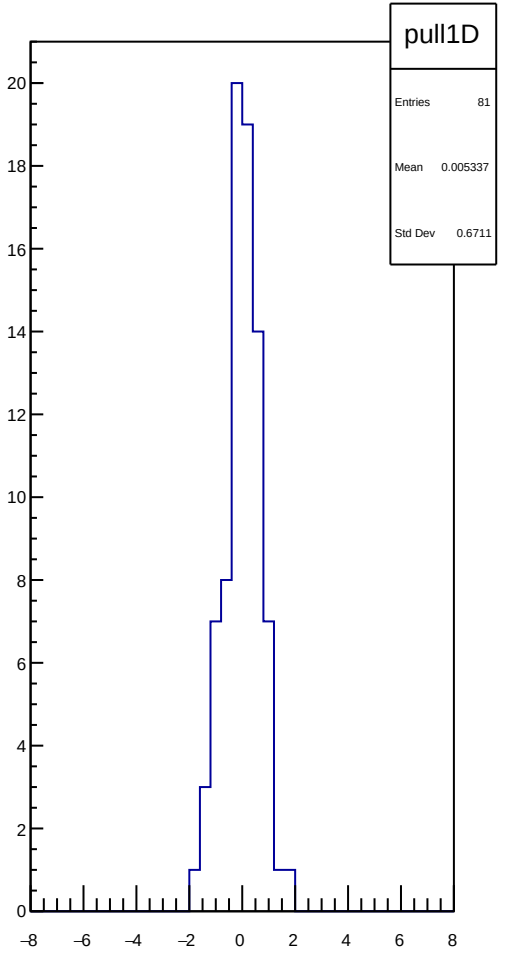

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 41.97 / 80
p0 −6.248 ± 0.5125
pull
Entries 81
Mean −88.02
Std Dev 125.6
pull1D
Entries 81
Mean −0.1017
Std Dev 0.7126

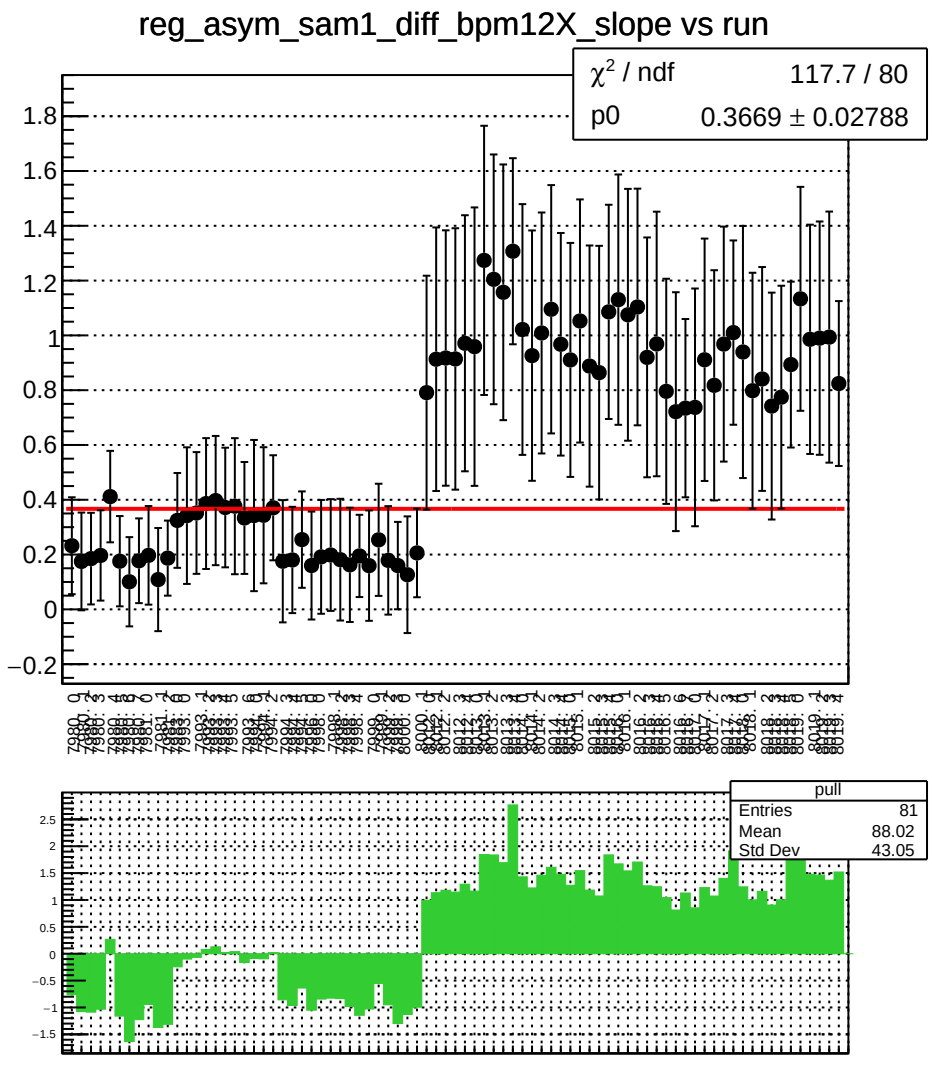

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 34.91 / 80
p0 −59.69 ± 0.7084
pull
Entries 81
Mean −263.4
Std Dev 309.2
pull1D
Entries 81
Mean −0.01415
Std Dev 0.6564

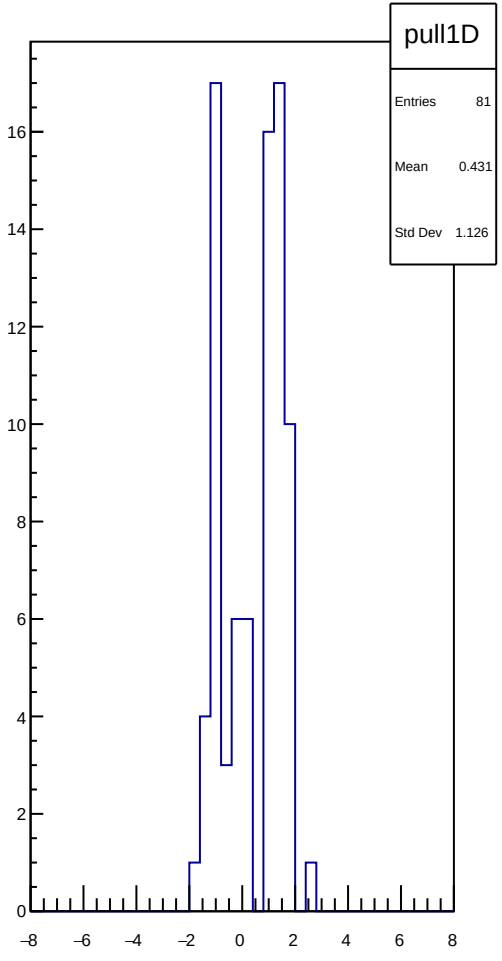

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 69.73 / 80
p0 −7.955 ± 0.5165
pull
Entries 81
Mean −393.2
Std Dev 428.9

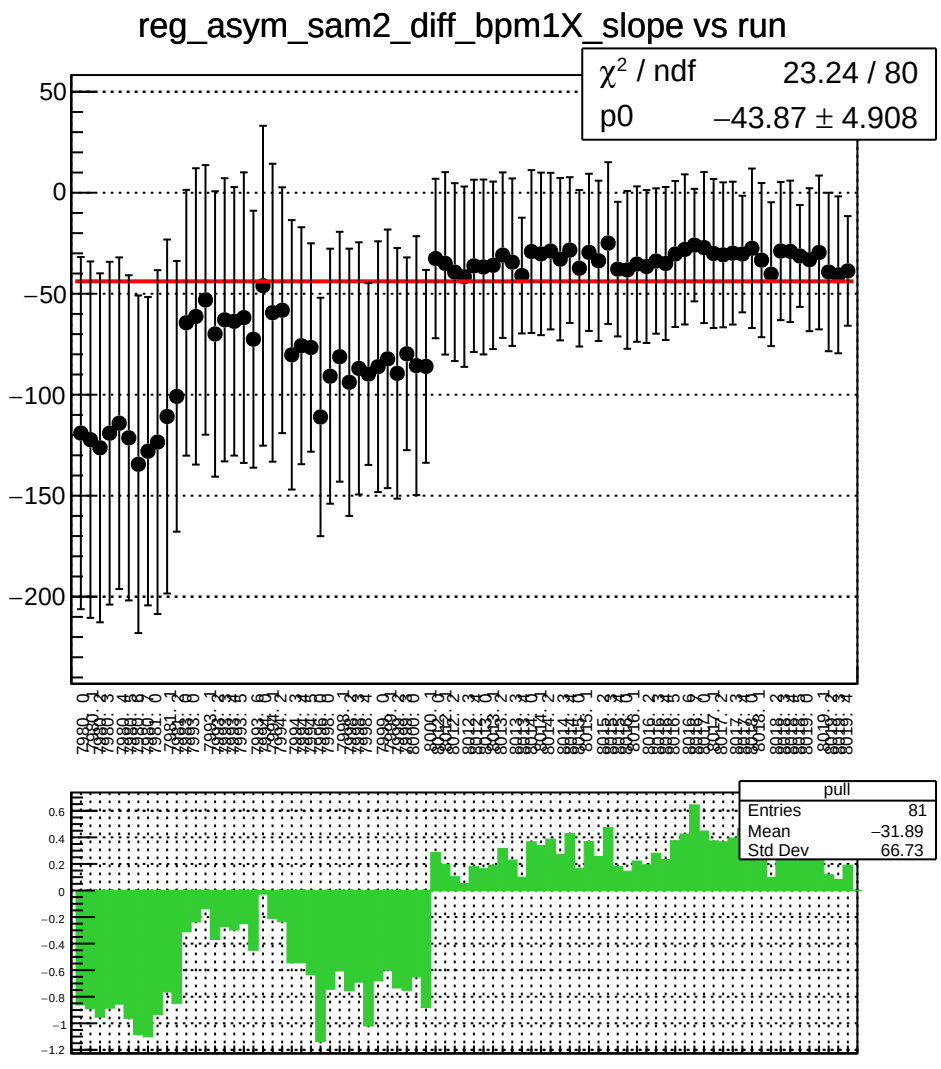

pull1D
Entries 81
Mean 0.04063
Std Dev 0.9269

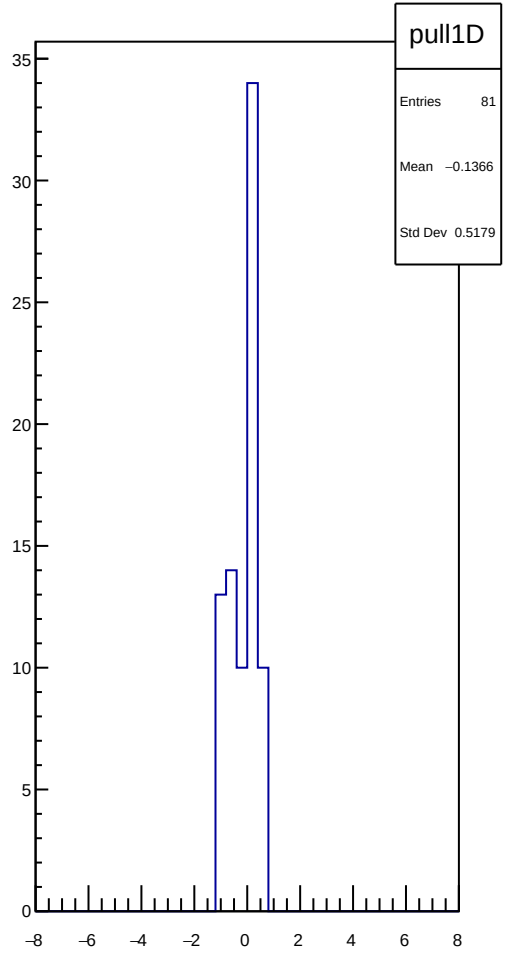

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 36.48 / 80
p0 14.71 ± 0.7767
pull
Entries 81
Mean −1192
Std Dev 1234

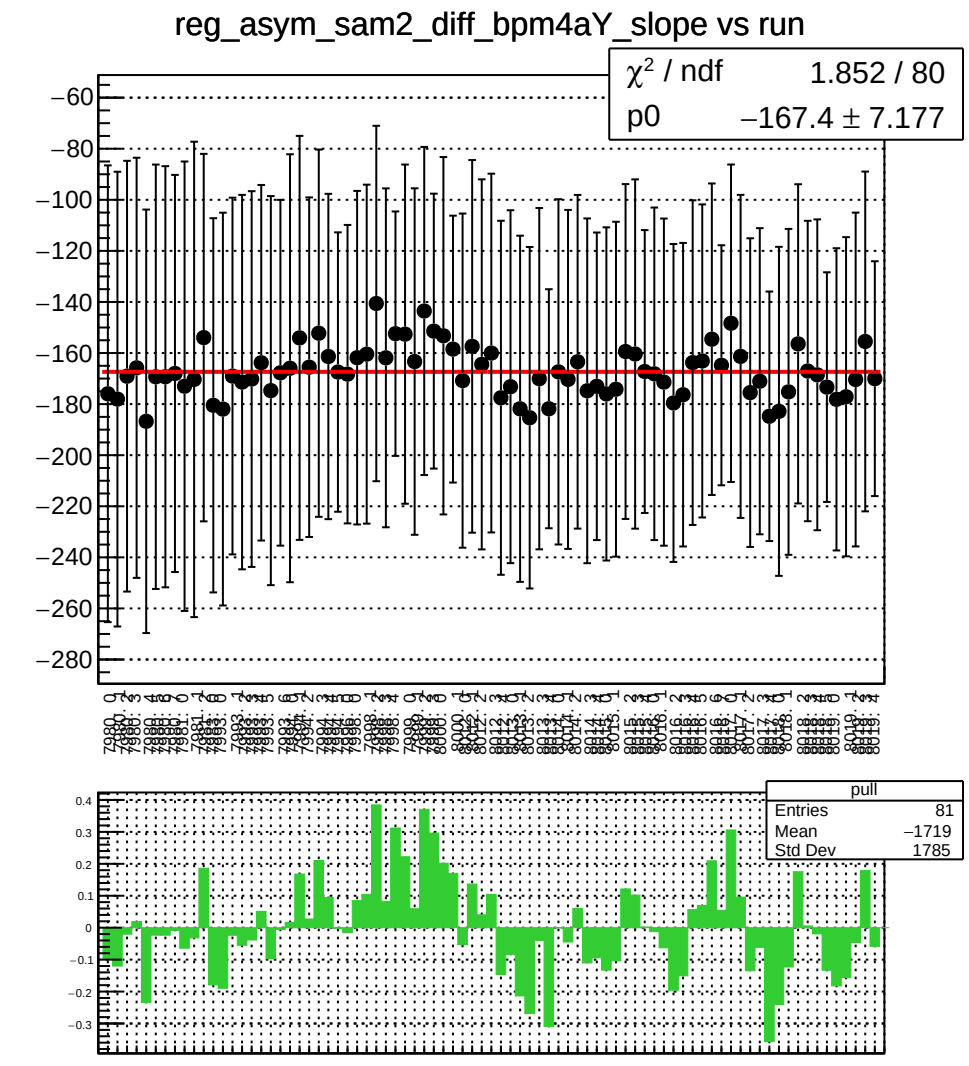

pull1D
Entries 81
Mean 0.005337
Std Dev 0.6711

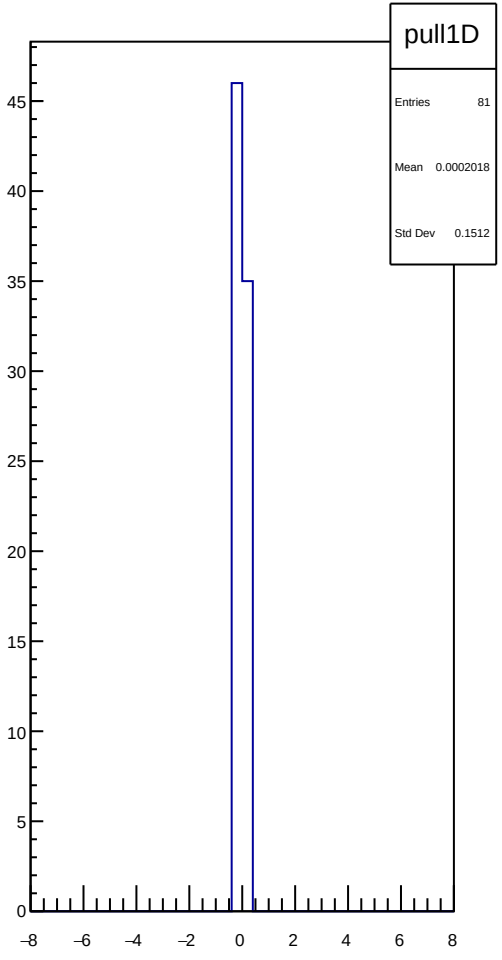

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 80
p0 0.3669 ± 0.02788
pull
Entries 81
Mean 88.02
Std Dev 43.05

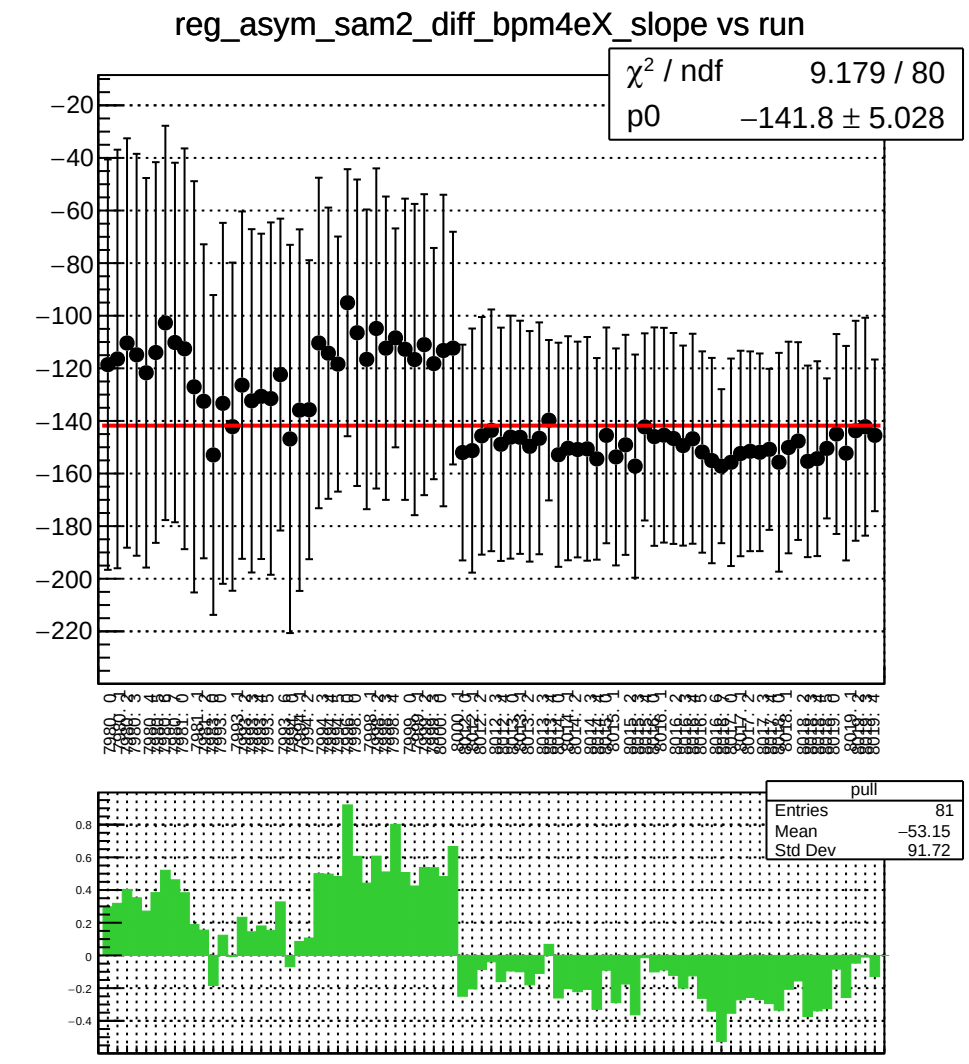

pull1D
Entries 81
Mean 0.431
Std Dev 1.126

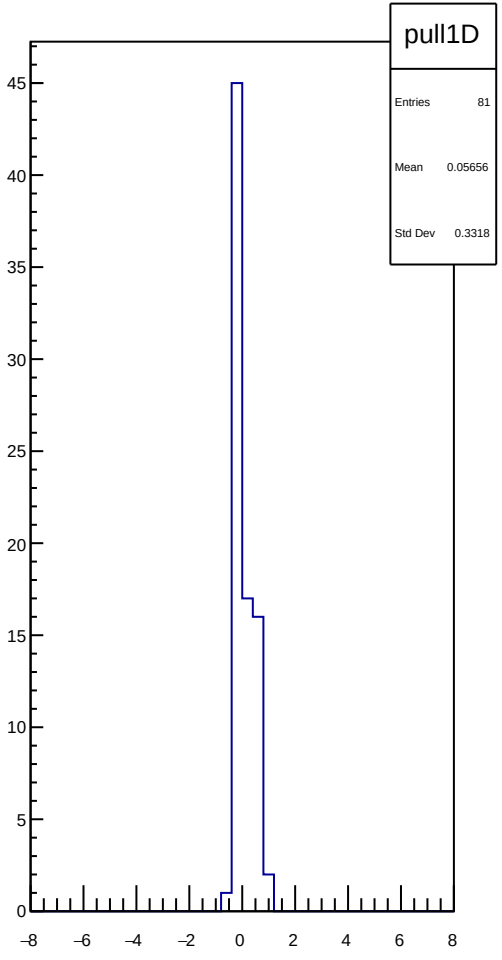

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 23.24 / 80
p0 −43.87 ± 4.908
pull
Entries 81
Mean −31.89
Std Dev 66.73

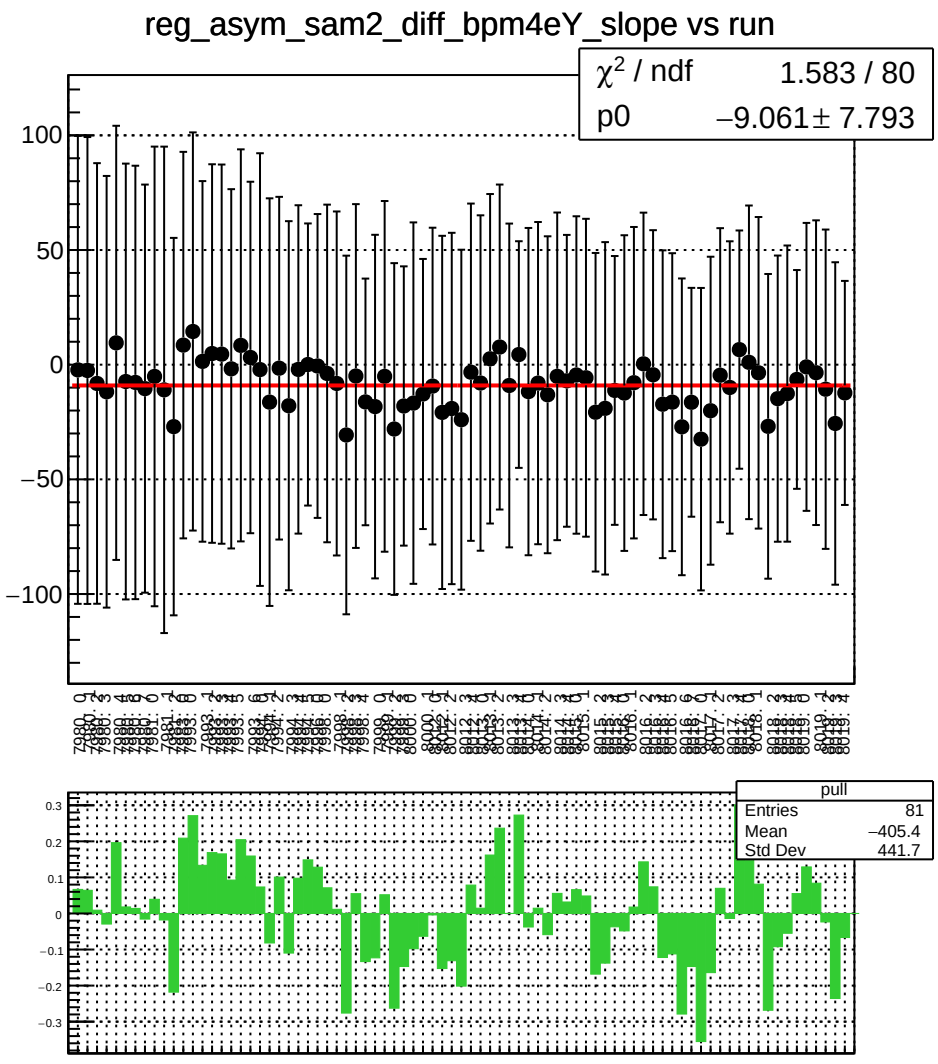

pull1D
Entries 81
Mean −0.1366
Std Dev 0.5179

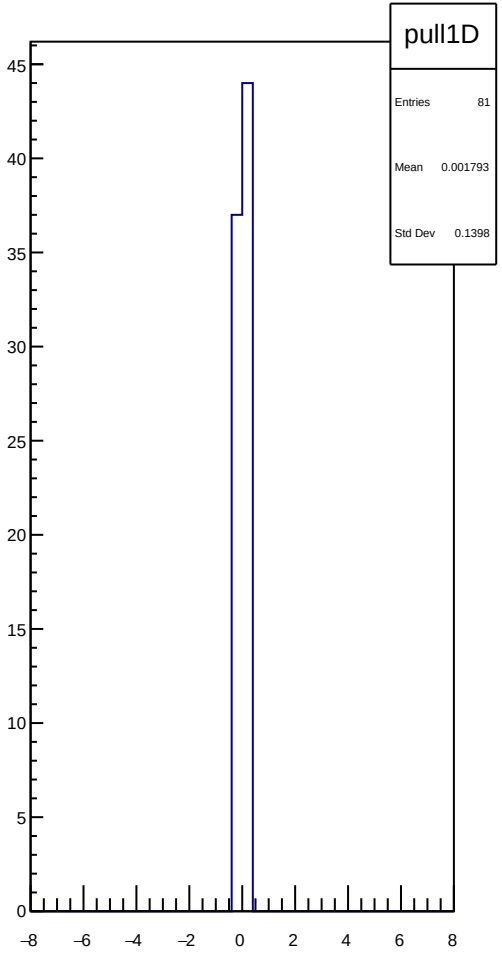

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 1.852 / 80
p0 −167.4 ± 7.177
pull
Entries 81
Mean −1719
Std Dev 1785

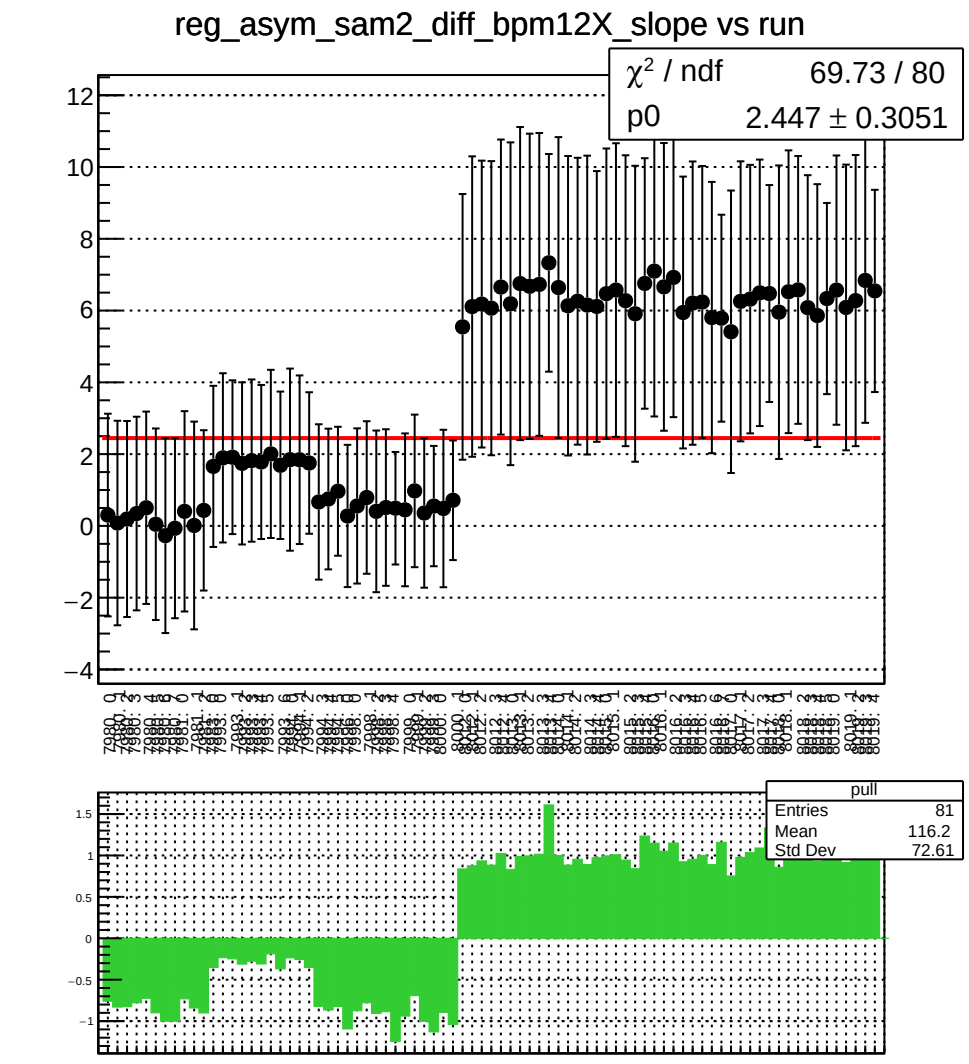

pull1D
Entries 81
Mean 0.0002018
Std Dev 0.1512

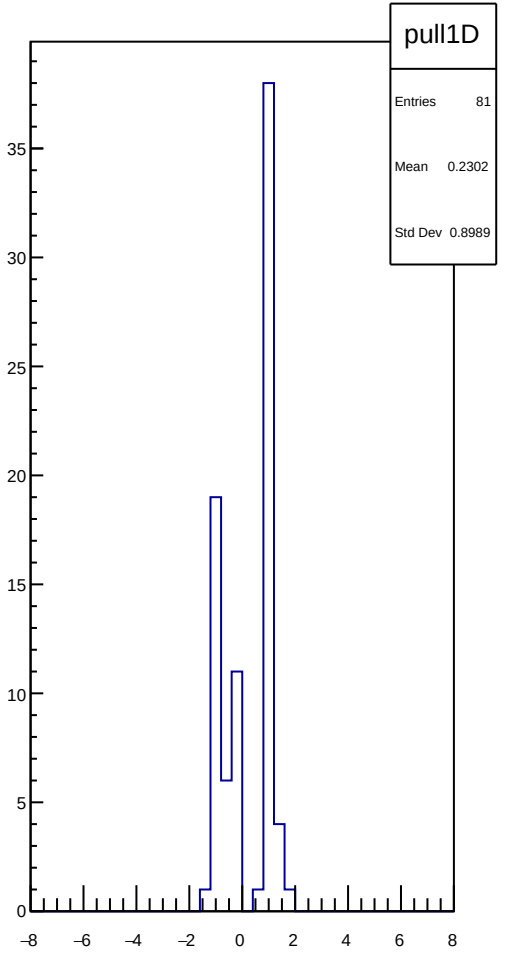

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 9.179 / 80
p0 −141.8 ± 5.028
pull
Entries 81
Mean −53.15
Std Dev 91.72

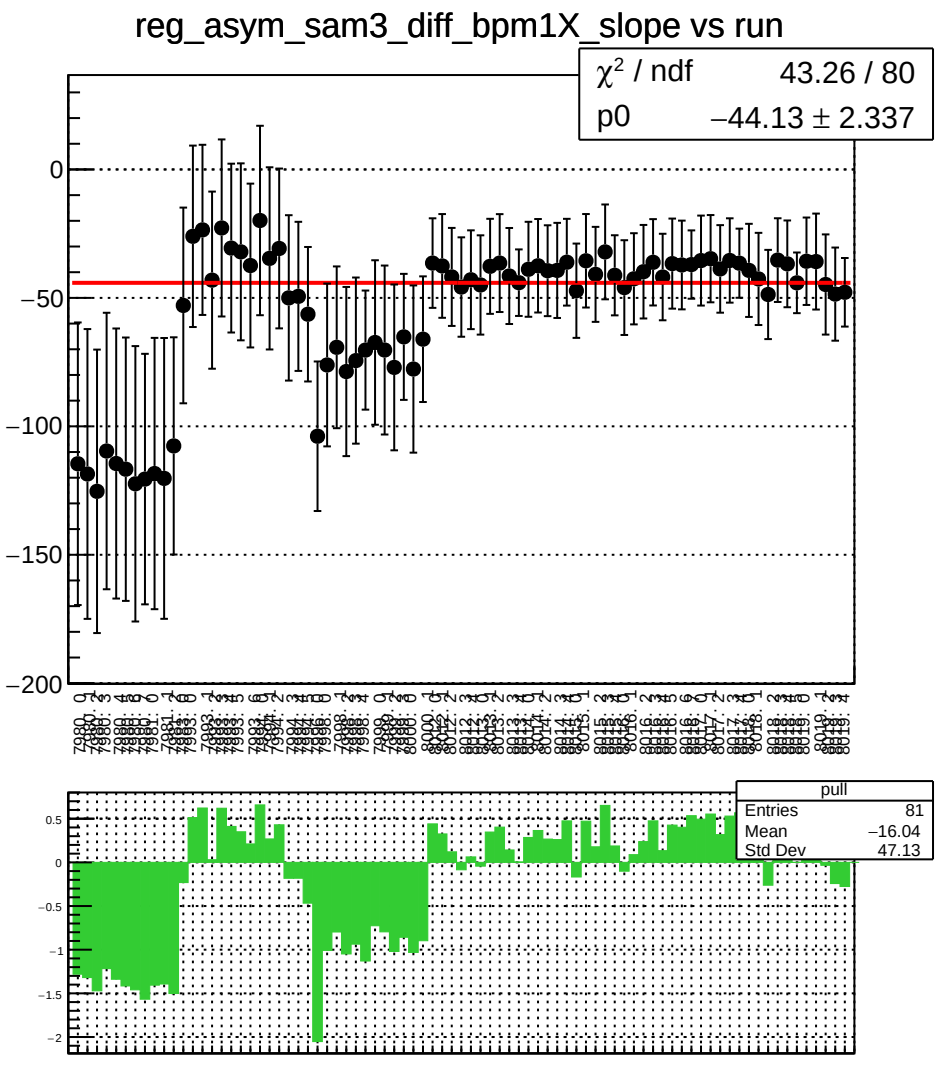

pull1D
Entries 81
Mean 0.05656
Std Dev 0.3318

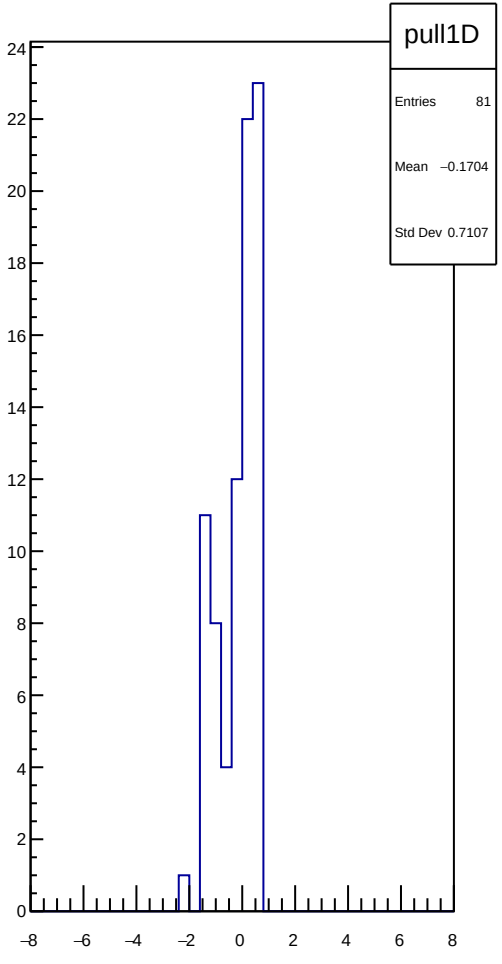

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 1.583 / 80
p0 −9.061 ± 7.793
pull
Entries 81
Mean −405.4
Std Dev 441.7

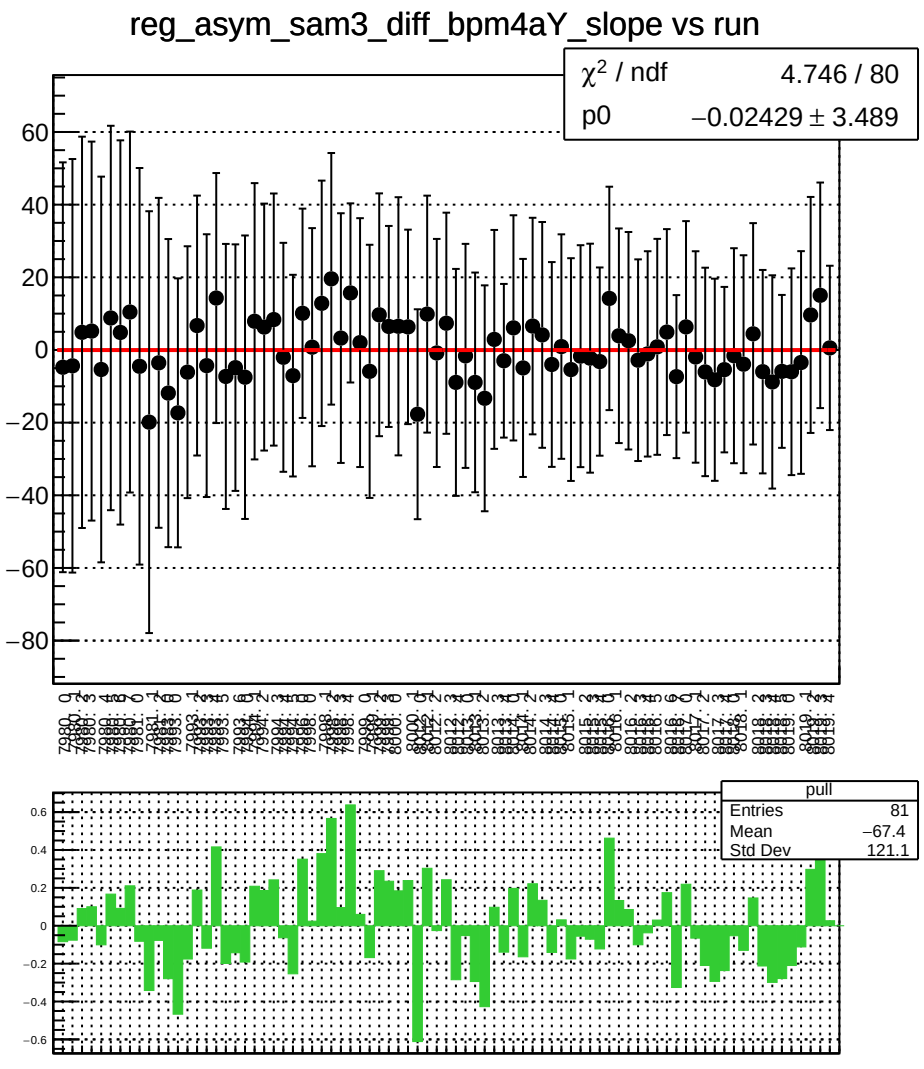

pull1D
Entries 81
Mean 0.001793
Std Dev 0.1398

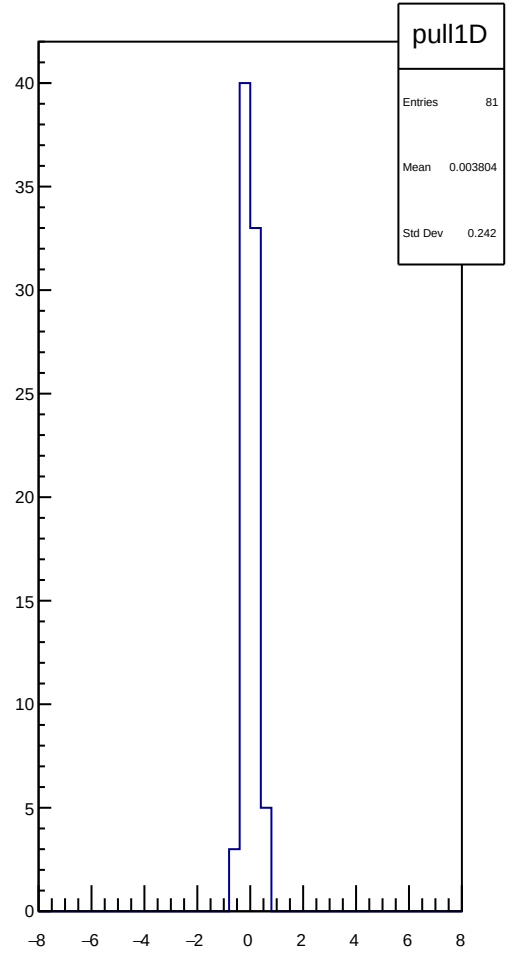

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 69.73 / 80
p0 2.447 ± 0.3051
pull
Entries 81
Mean 116.2
Std Dev 72.61

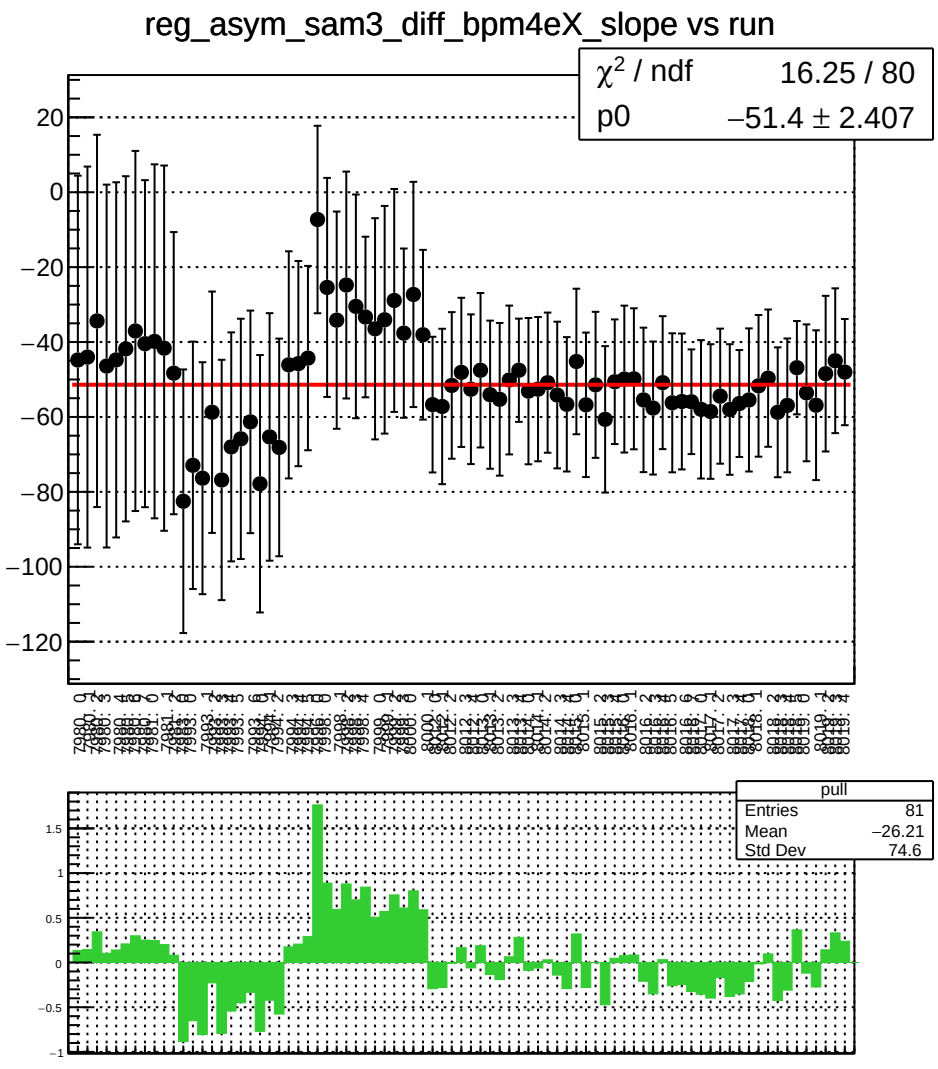

pull1D
Entries 81
Mean 0.2302
Std Dev 0.8989

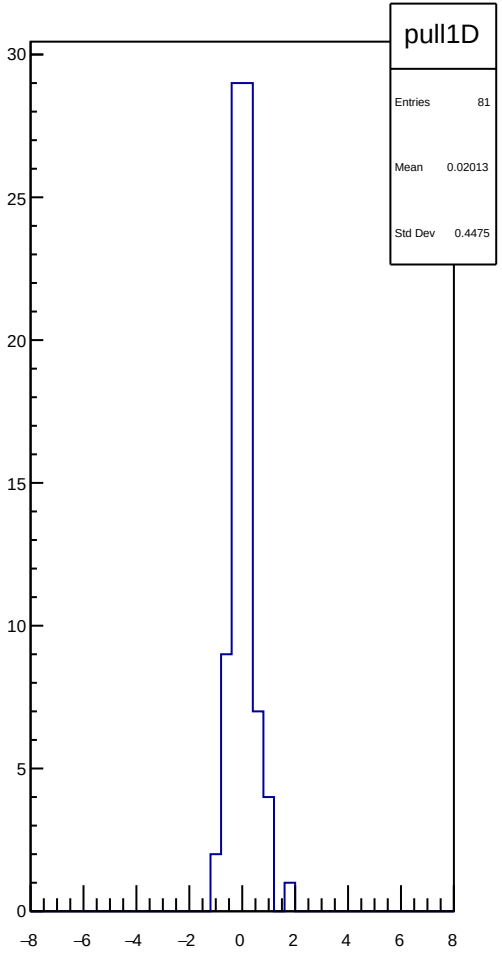

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 43.26 / 80
p0 −44.13 ± 2.337
pull
Entries 81
Mean −16.04
Std Dev 47.13

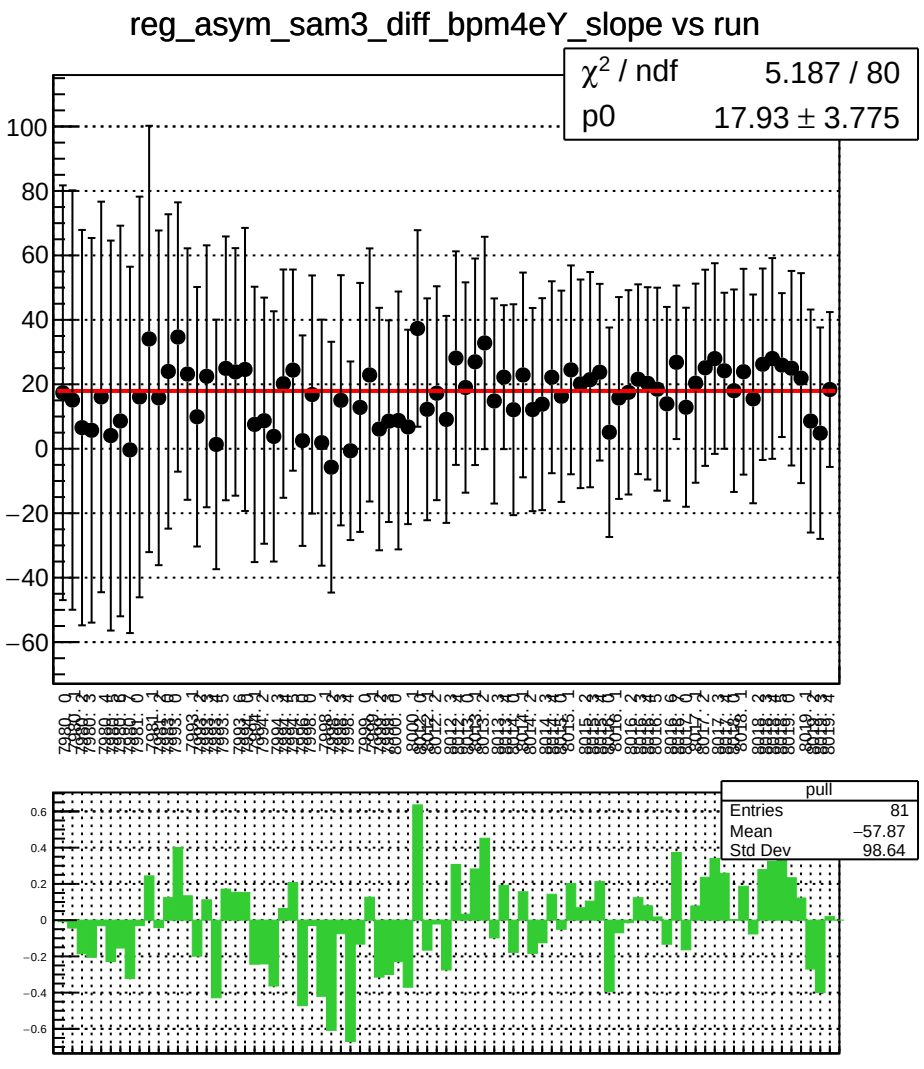

pull1D
Entries 81
Mean −0.1704
Std Dev 0.7107

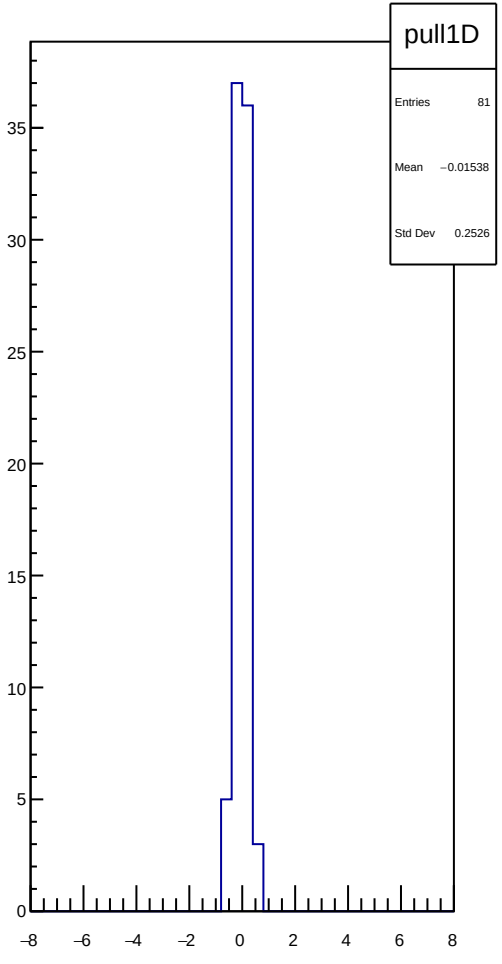

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.746 / 80
p0 −0.02429 ± 3.489
pull
Entries 81
Mean −67.4
Std Dev 121.1

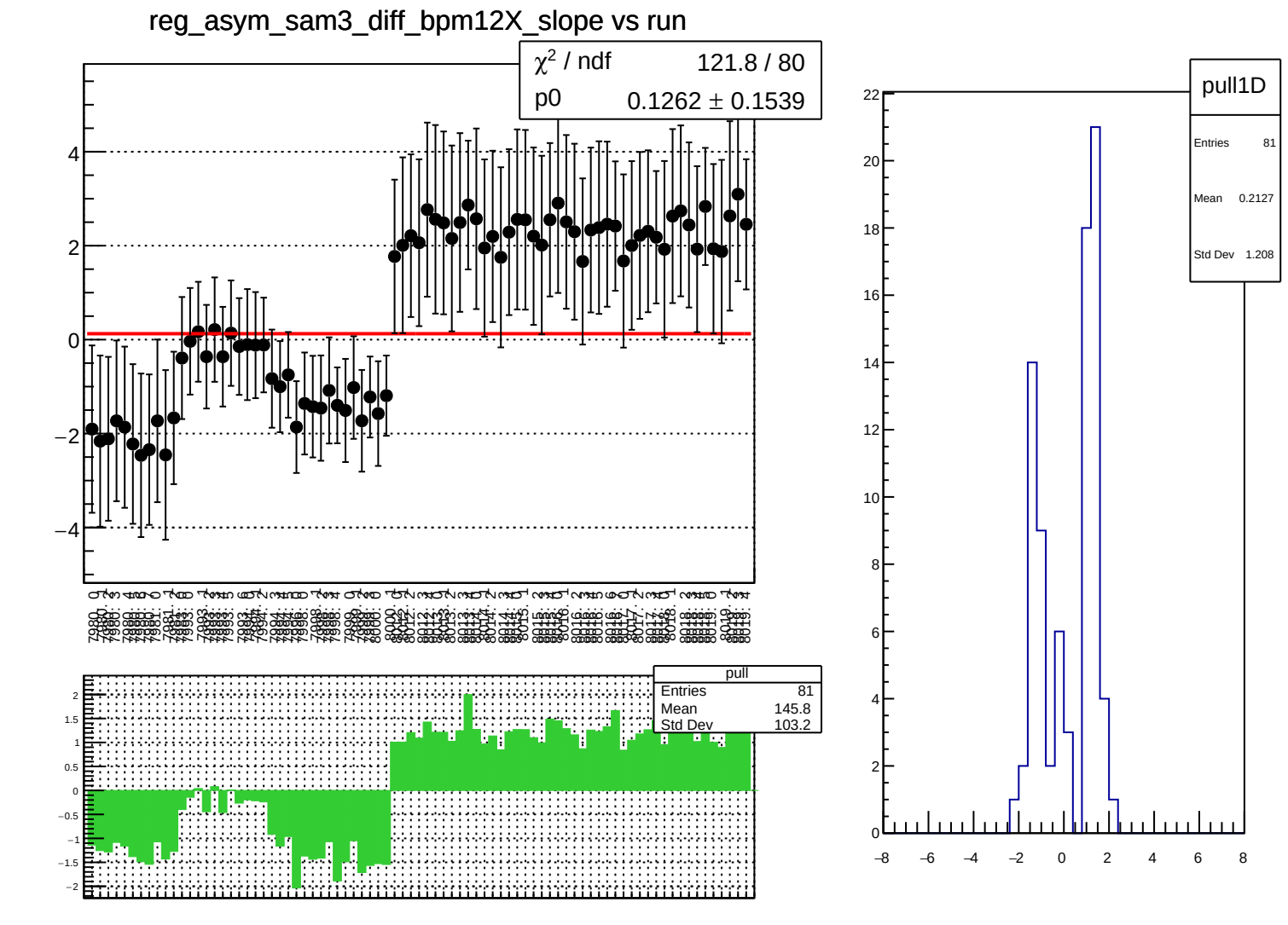

pull1D
Entries 81
Mean 0.003804
Std Dev 0.242

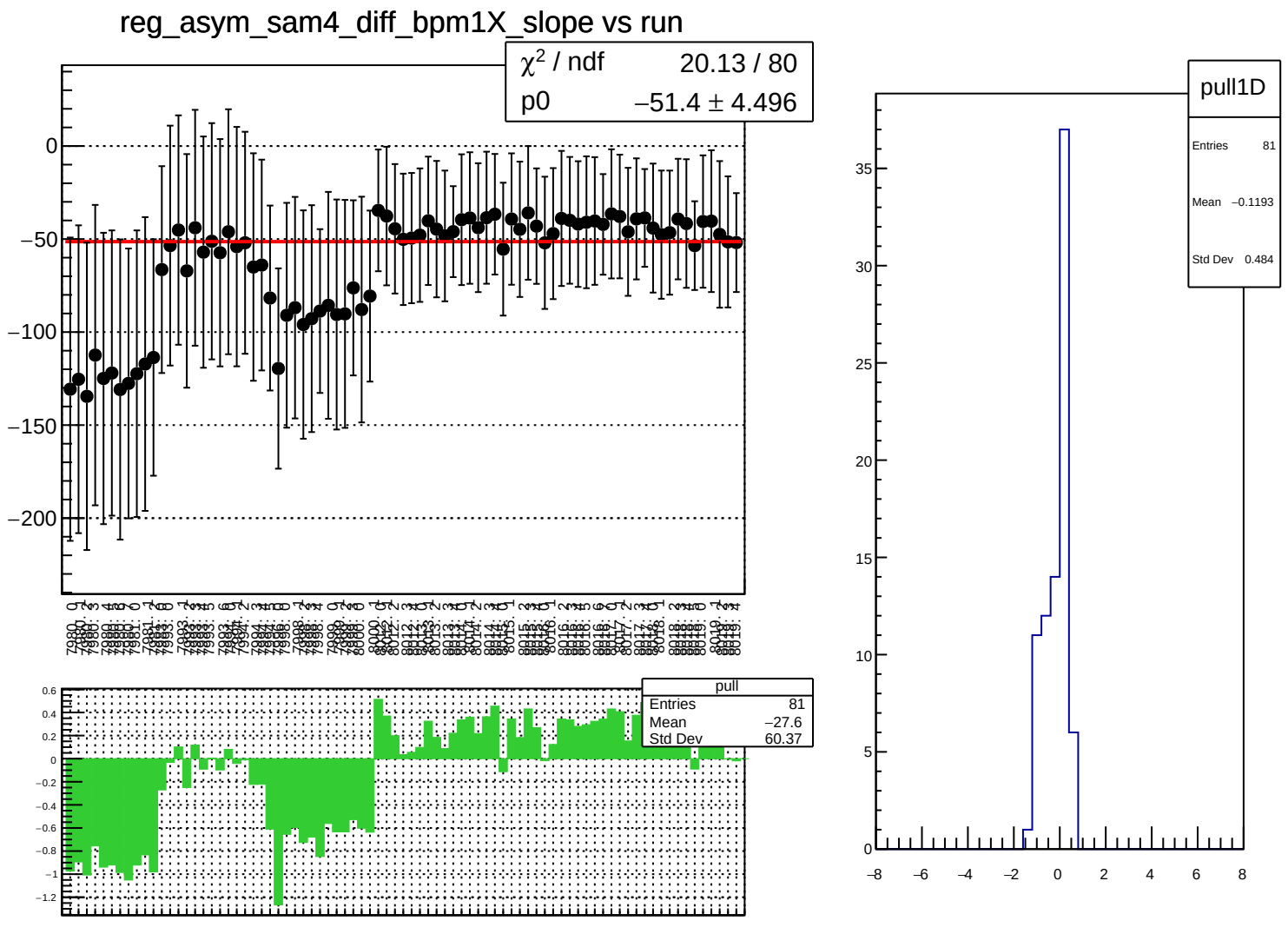

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 16.25 / 80
p0 −51.4 ± 2.407
pull
Entries 81
Mean −26.21
Std Dev 74.6

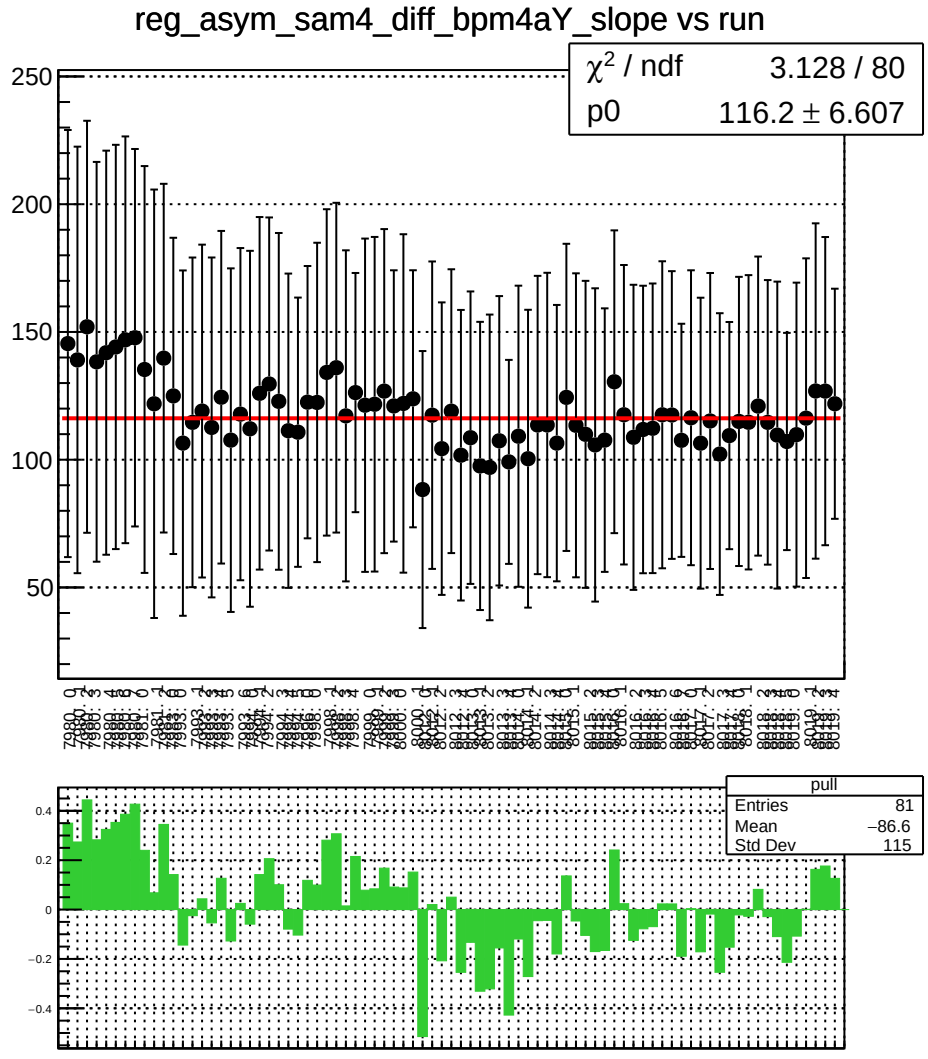

pull1D
Entries 81
Mean 0.02013
Std Dev 0.4475

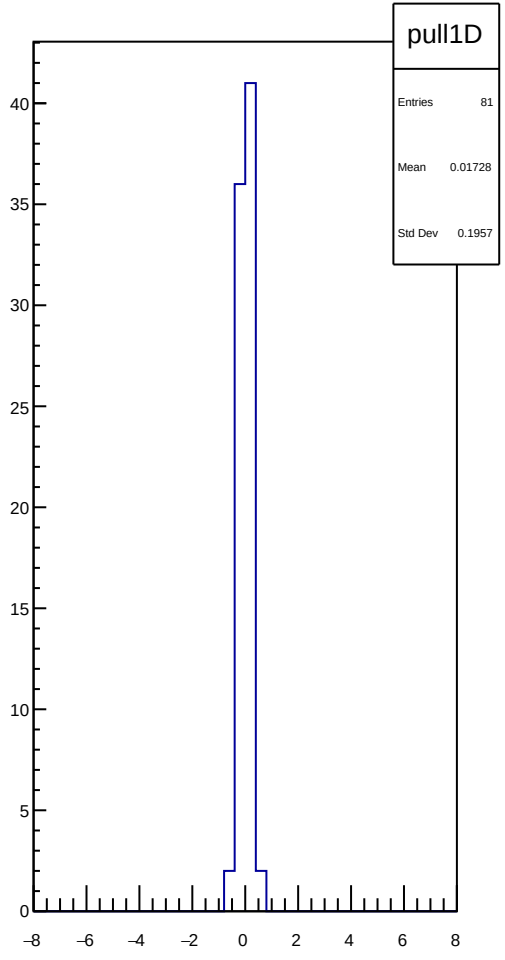

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 5.187 / 80
p0 17.93 ± 3.775
pull
Entries 81
Mean −57.87
Std Dev 98.64

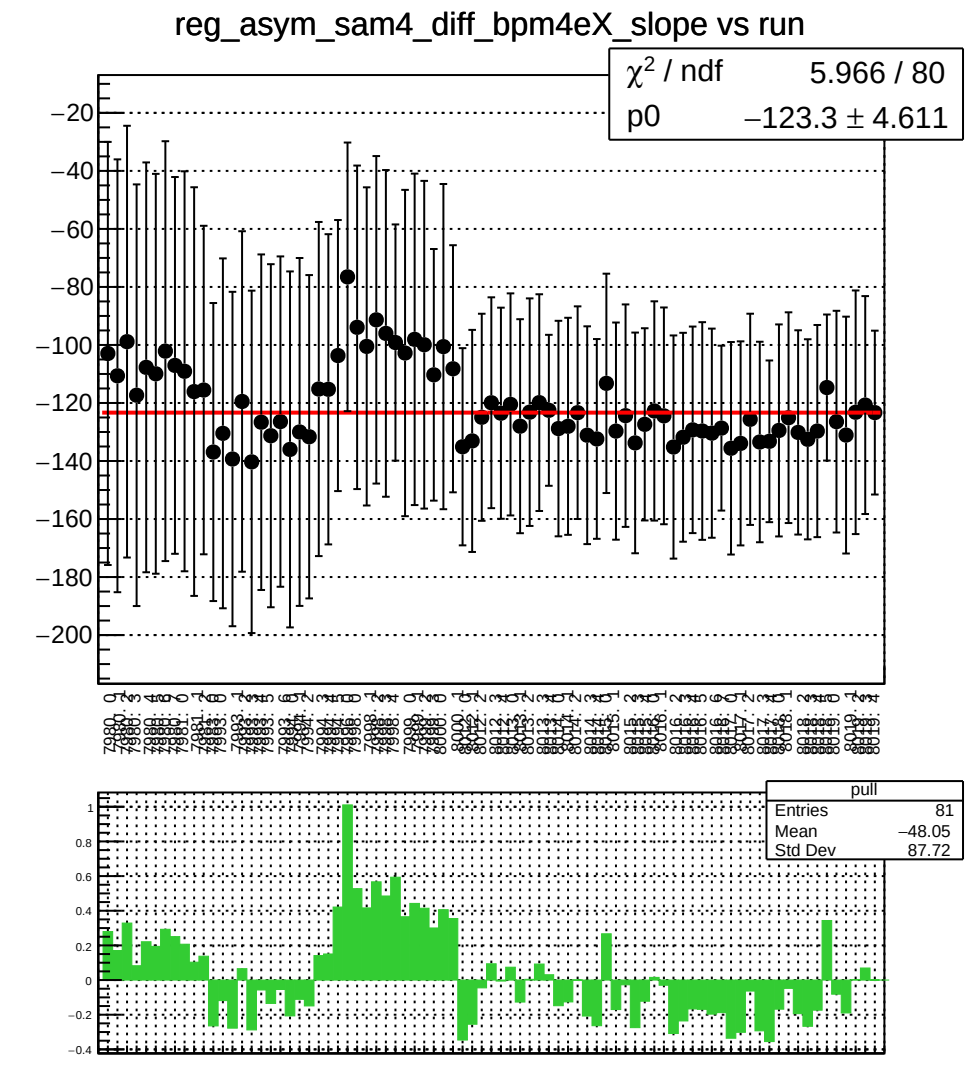

pull1D
Entries 81
Mean −0.01538
Std Dev 0.2526

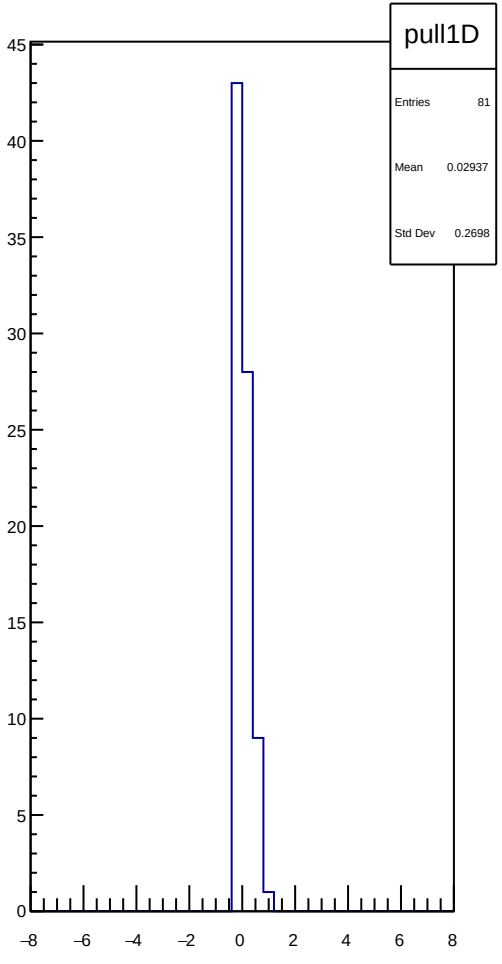

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 121.8 / 80
p0 0.1262 ± 0.1539
pull
Entries 81
Mean 145.8
Std Dev 103.2
pull1D
Entries 81
Mean 0.2127
Std Dev 1.208

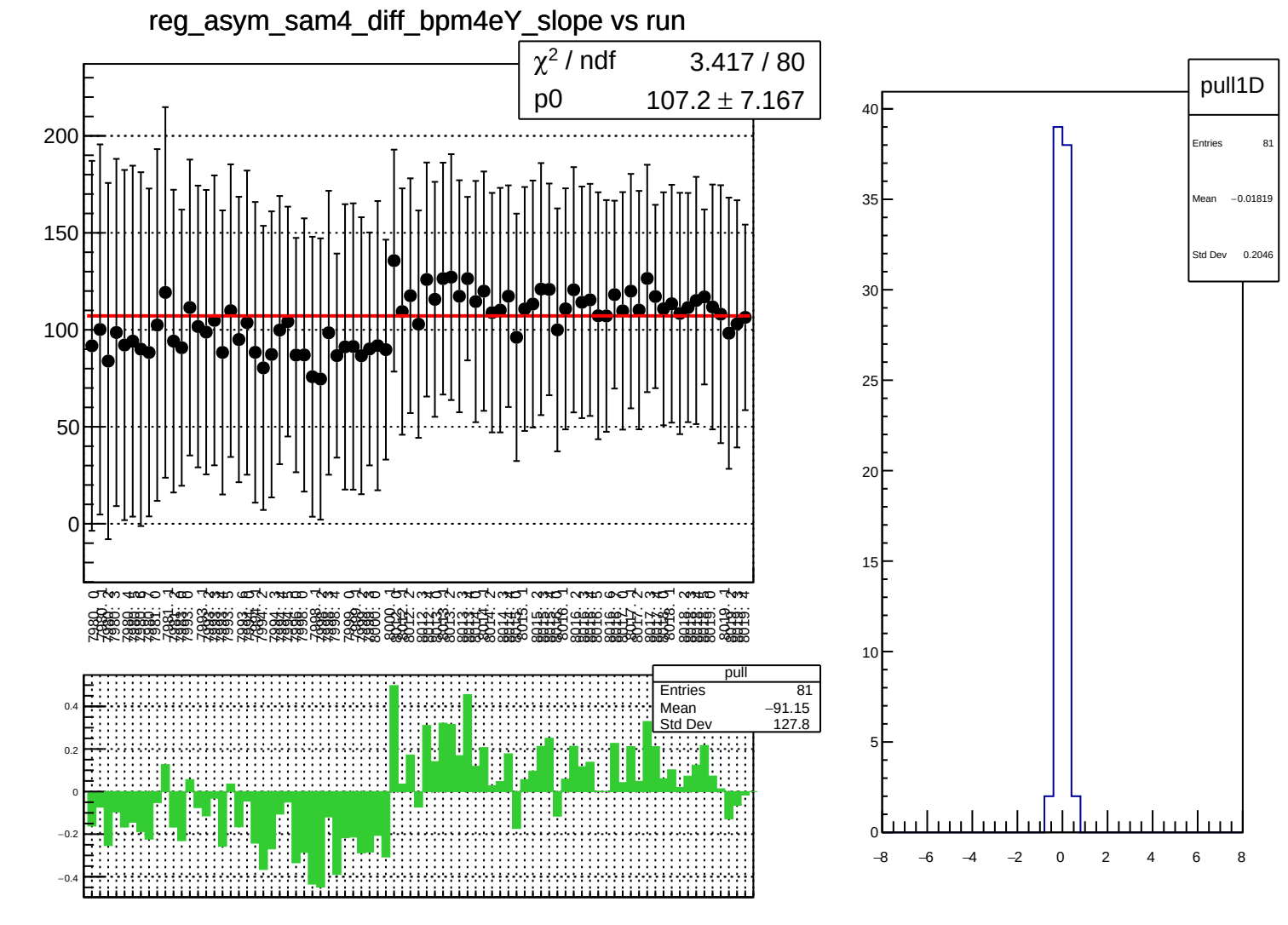

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 20.13 / 80
p0 −51.4 ± 4.496
0
−50
−100
−150
−200
pull
Entries 81
Mean −27.6
Std Dev 60.37
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 81
Mean −0.1193
Std Dev 0.484
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

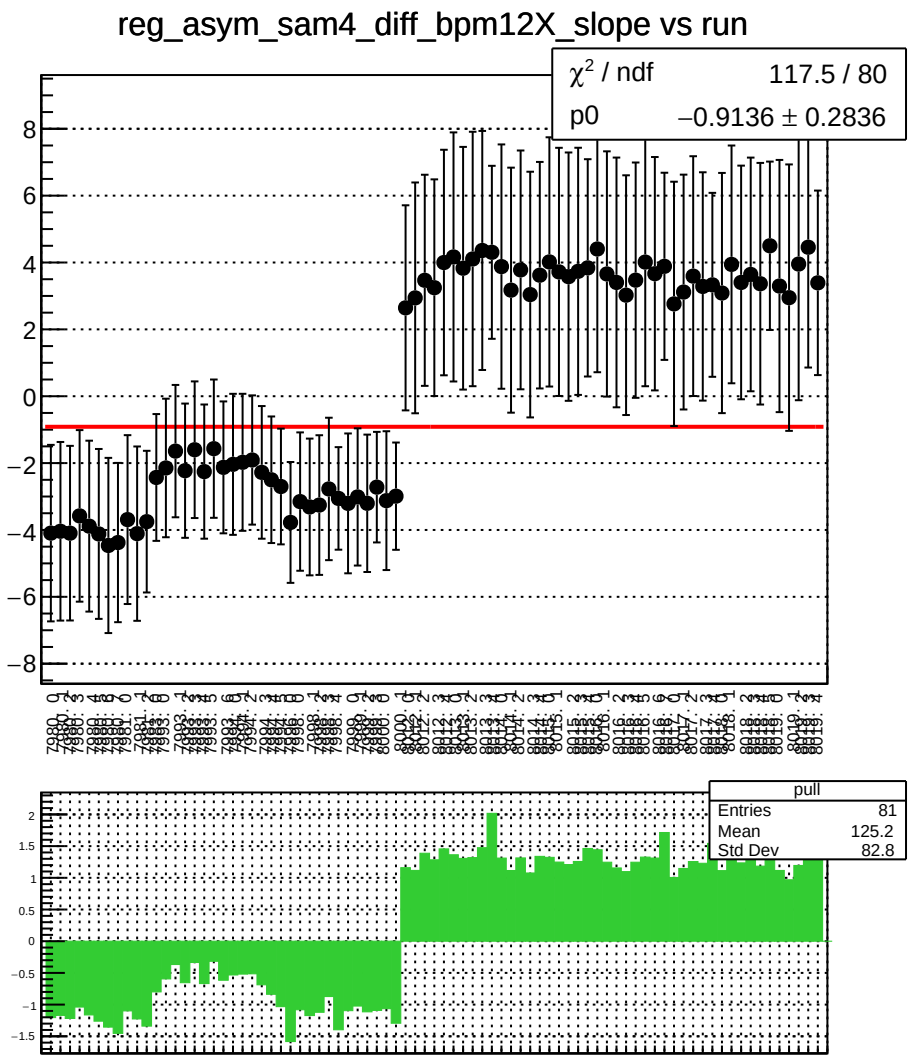

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.128 / 80
p0 116.2 ± 6.607
250
200
150
100
50
pull
Entries 81
Mean −86.6
Std Dev 115
0.4
0.2
0
−0.2
−0.4

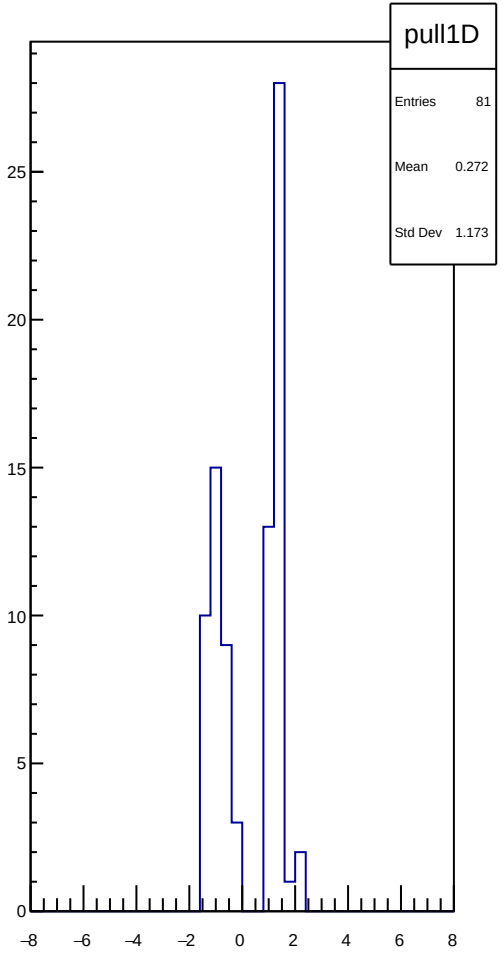

pull1D
Entries 81
Mean 0.01728
Std Dev 0.1957
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

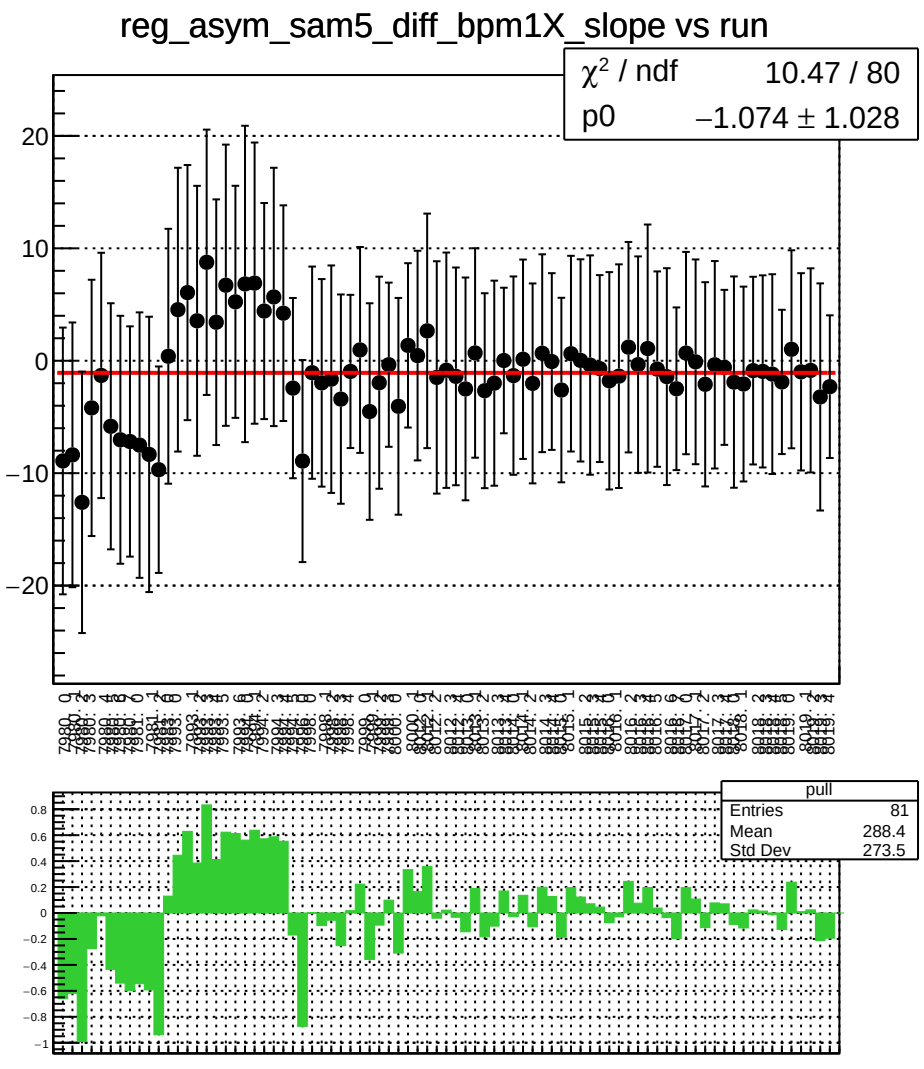

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 5.966 / 80
p0 −123.3 ± 4.611
pull
Entries 81
Mean −48.05
Std Dev 87.72

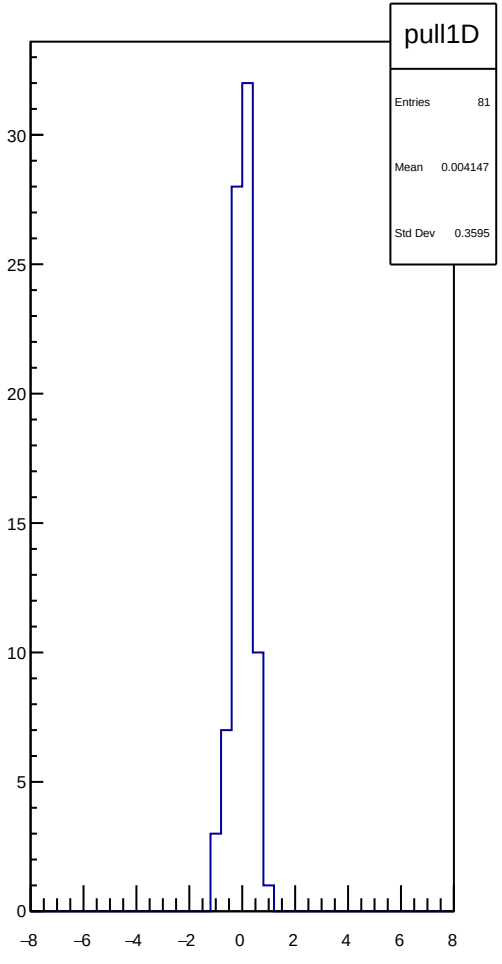

pull1D
Entries 81
Mean 0.02937
Std Dev 0.2698

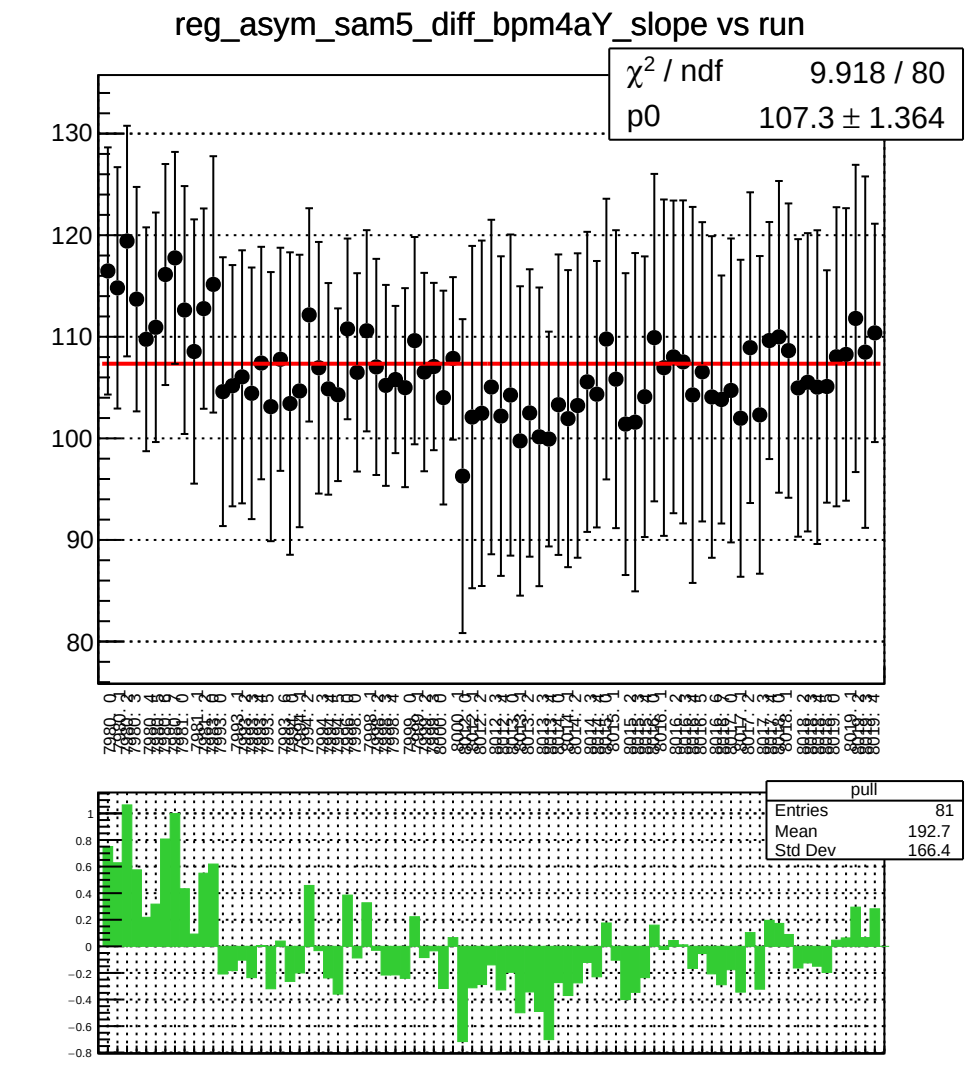

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.417 / 80
p0 107.2 ± 7.167
200
150
100
50
0
pull
Entries 81
Mean −91.15
Std Dev 127.8
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 81
Mean −0.01819
Std Dev 0.2046
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

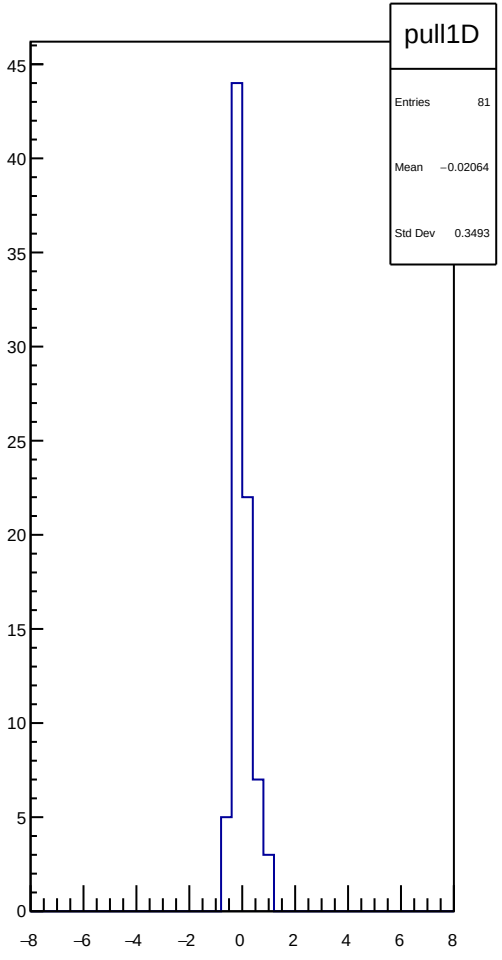

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 117.5 / 80
p0 −0.9136 ± 0.2836
pull
Entries 81
Mean 125.2
Std Dev 82.8

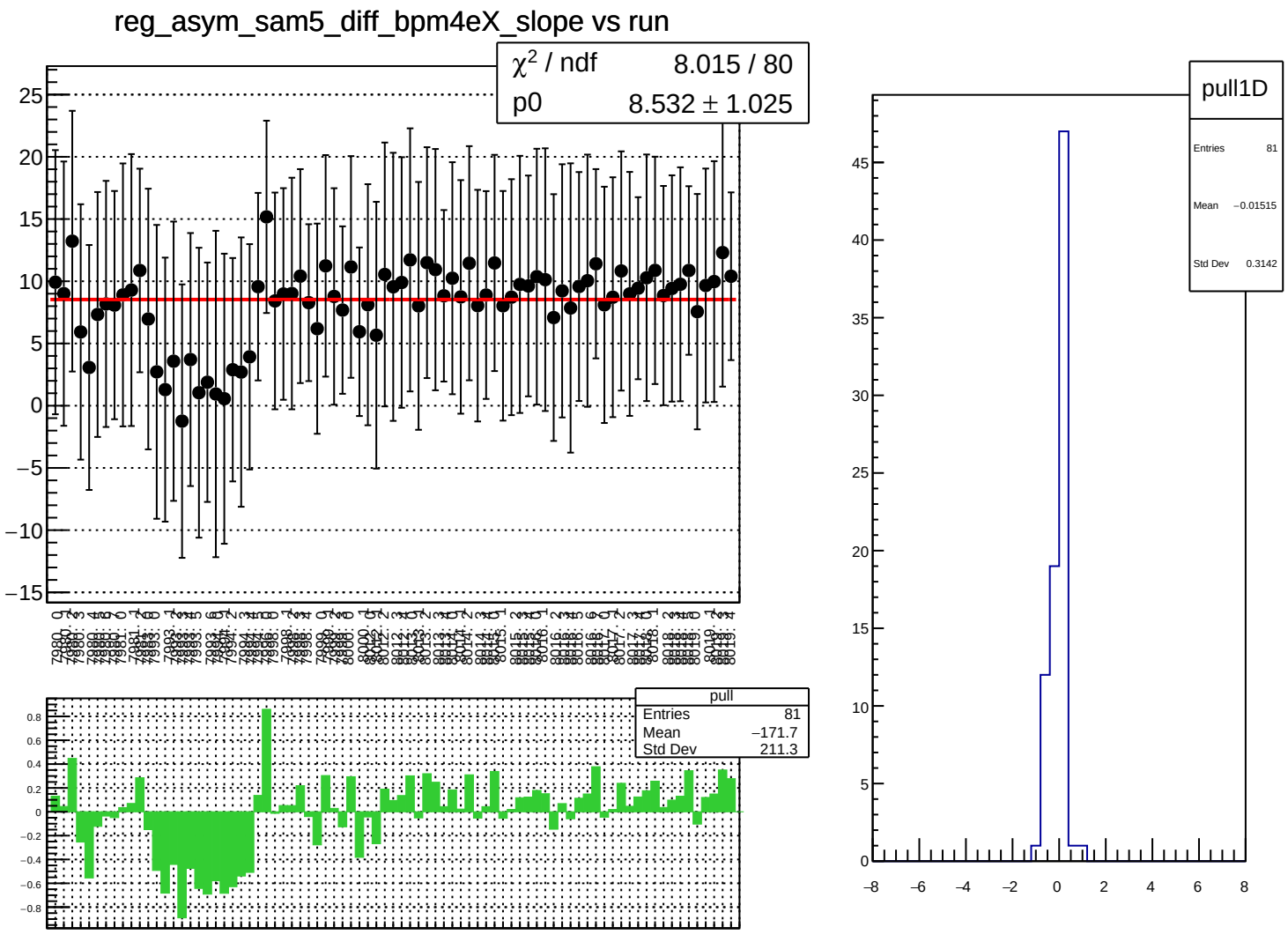

pull1D
Entries 81
Mean 0.272
Std Dev 1.173

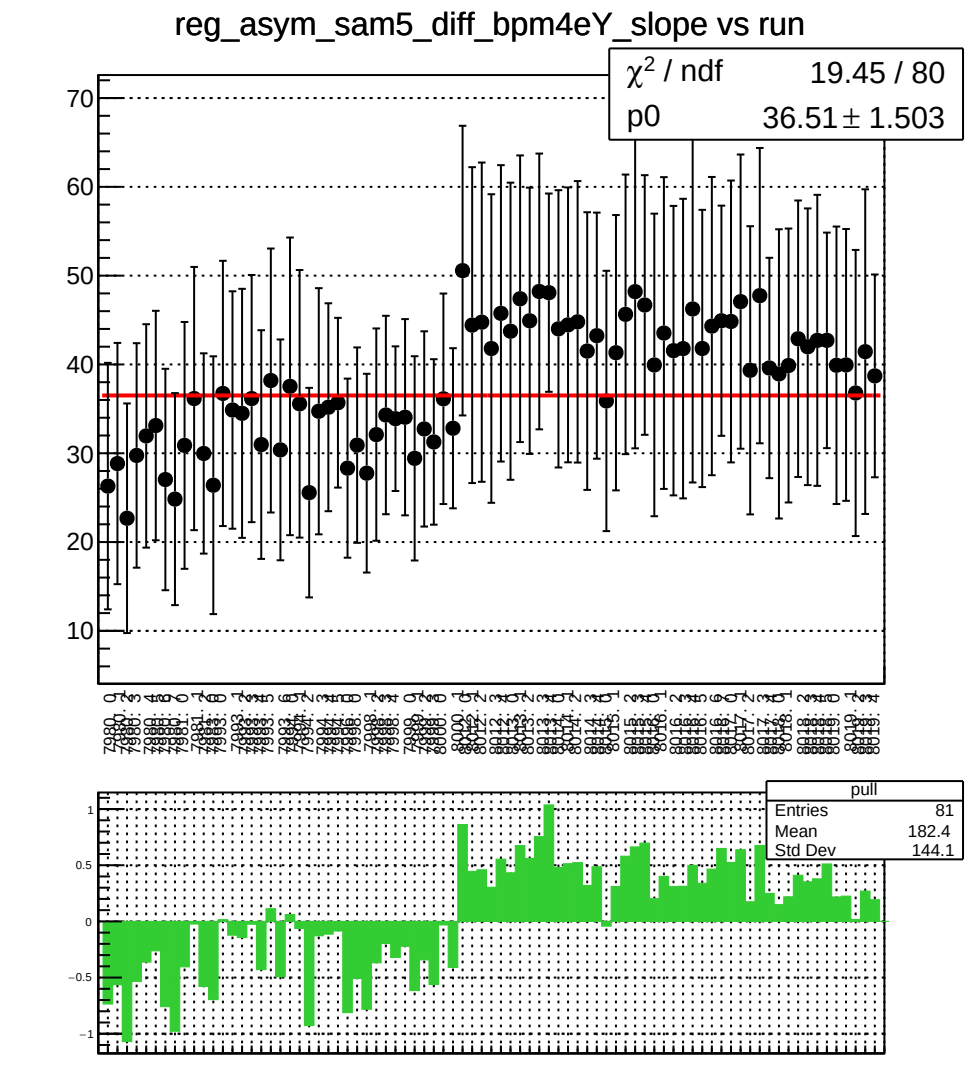

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 10.47 / 80
p0 −1.074 ± 1.028
pull
Entries 81
Mean 288.4
Std Dev 273.5

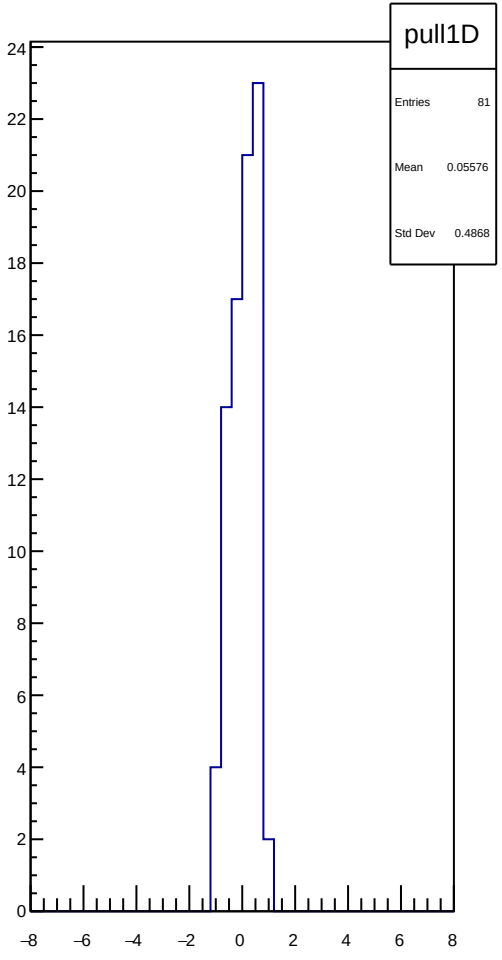

pull1D
Entries 81
Mean 0.004147
Std Dev 0.3595

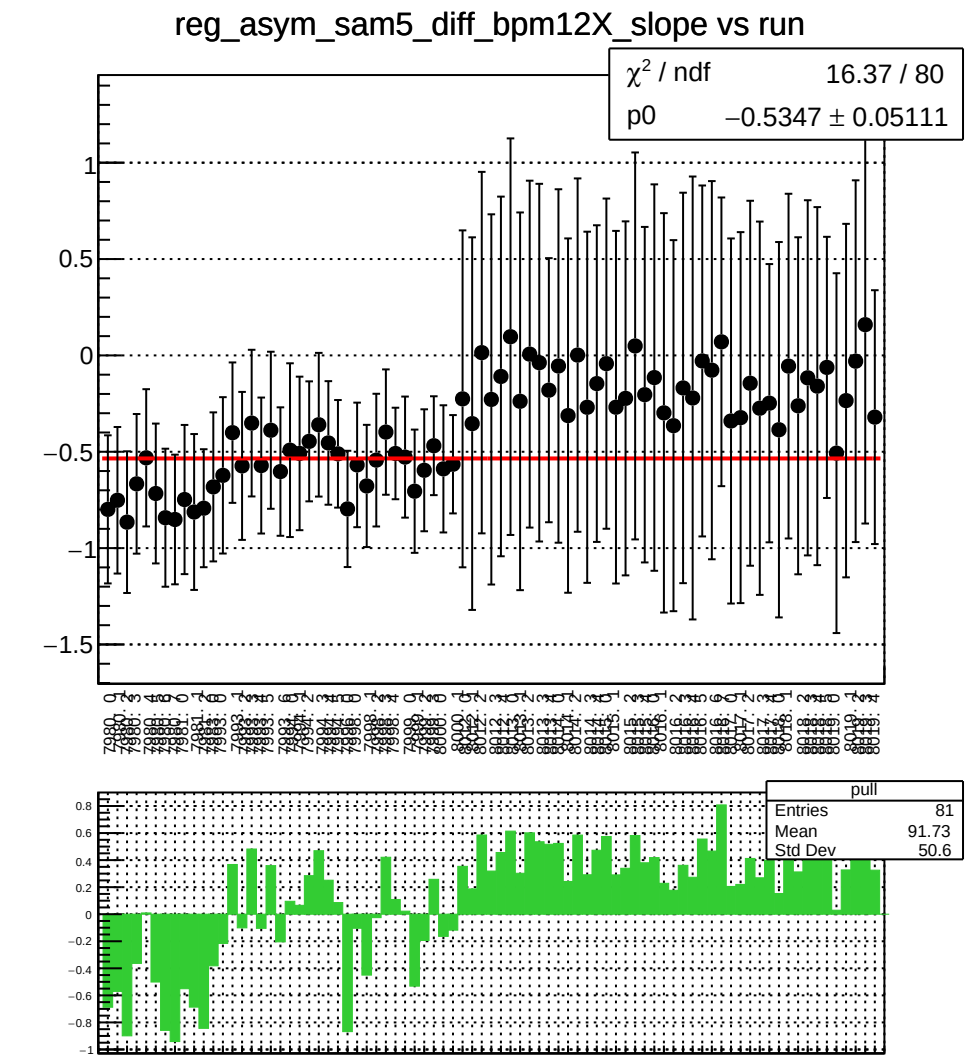

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 9.918 / 80
p0 107.3 ± 1.364
pull
Entries 81
Mean 192.7
Std Dev 166.4

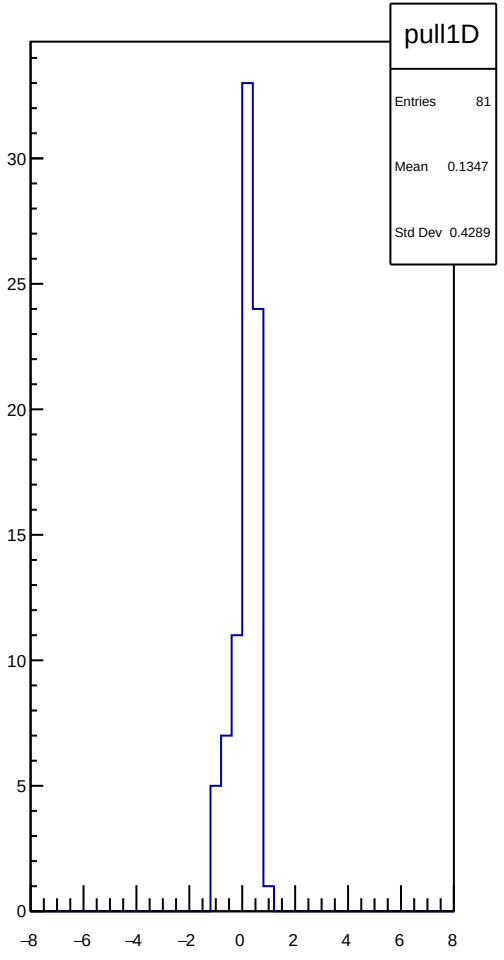

pull1D
Entries 81
Mean −0.02064
Std Dev 0.3493

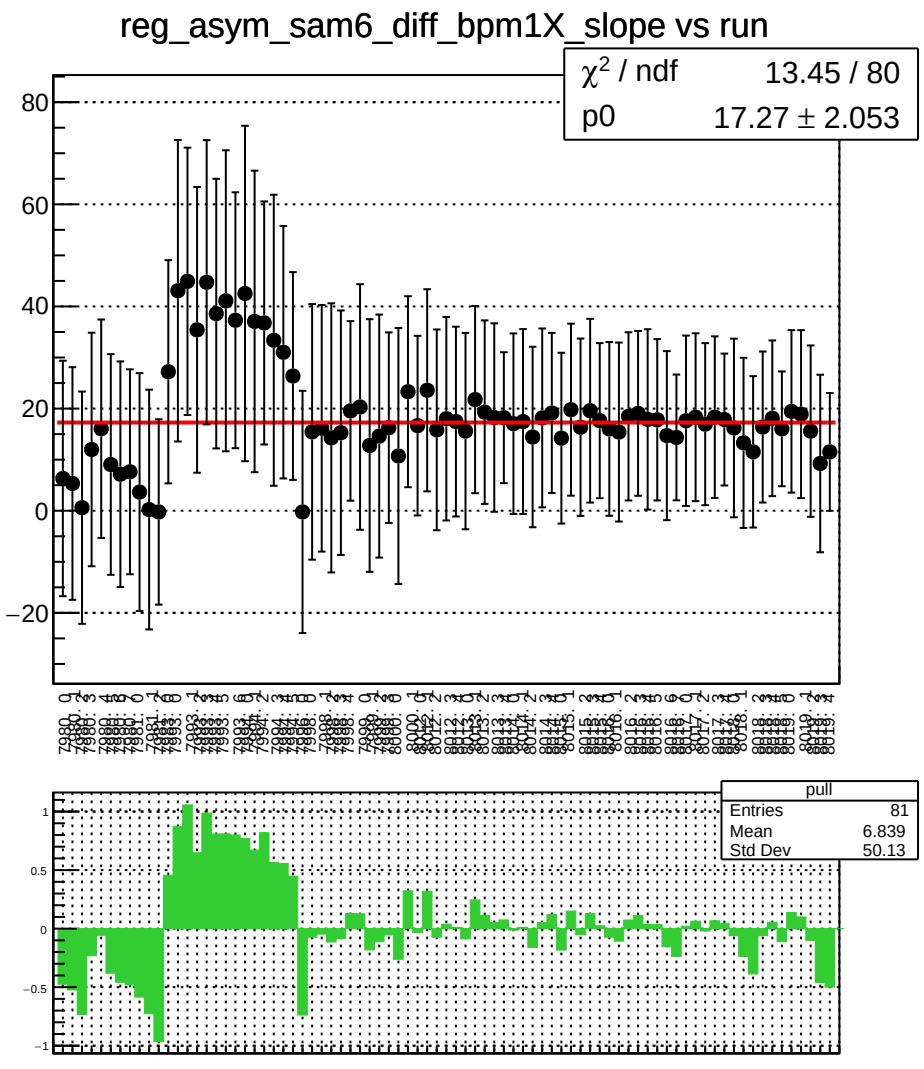

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 8.015 / 80
p0 8.532 ± 1.025
pull
Entries 81
Mean −171.7
Std Dev 211.3
pull1D
Entries 81
Mean −0.01515
Std Dev 0.3142

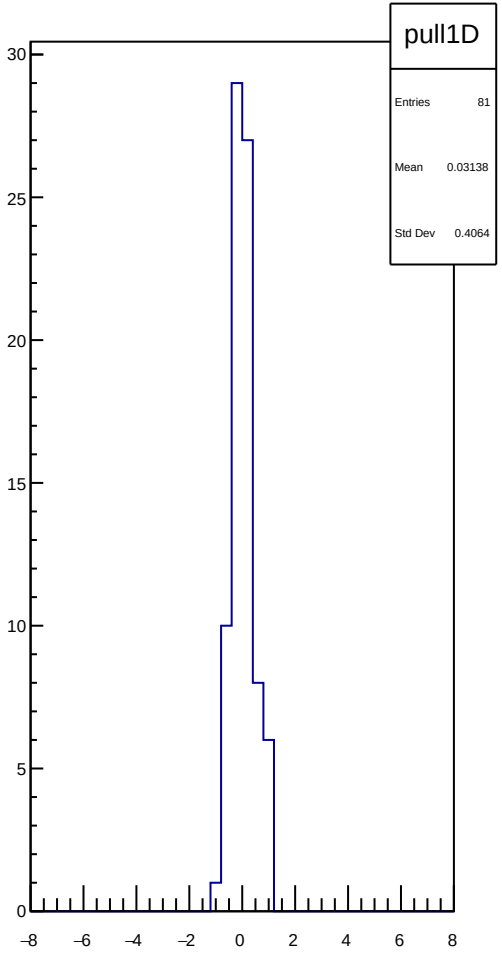

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 19.45 / 80
p0 36.51 ± 1.503
pull
Entries 81
Mean 182.4
Std Dev 144.1

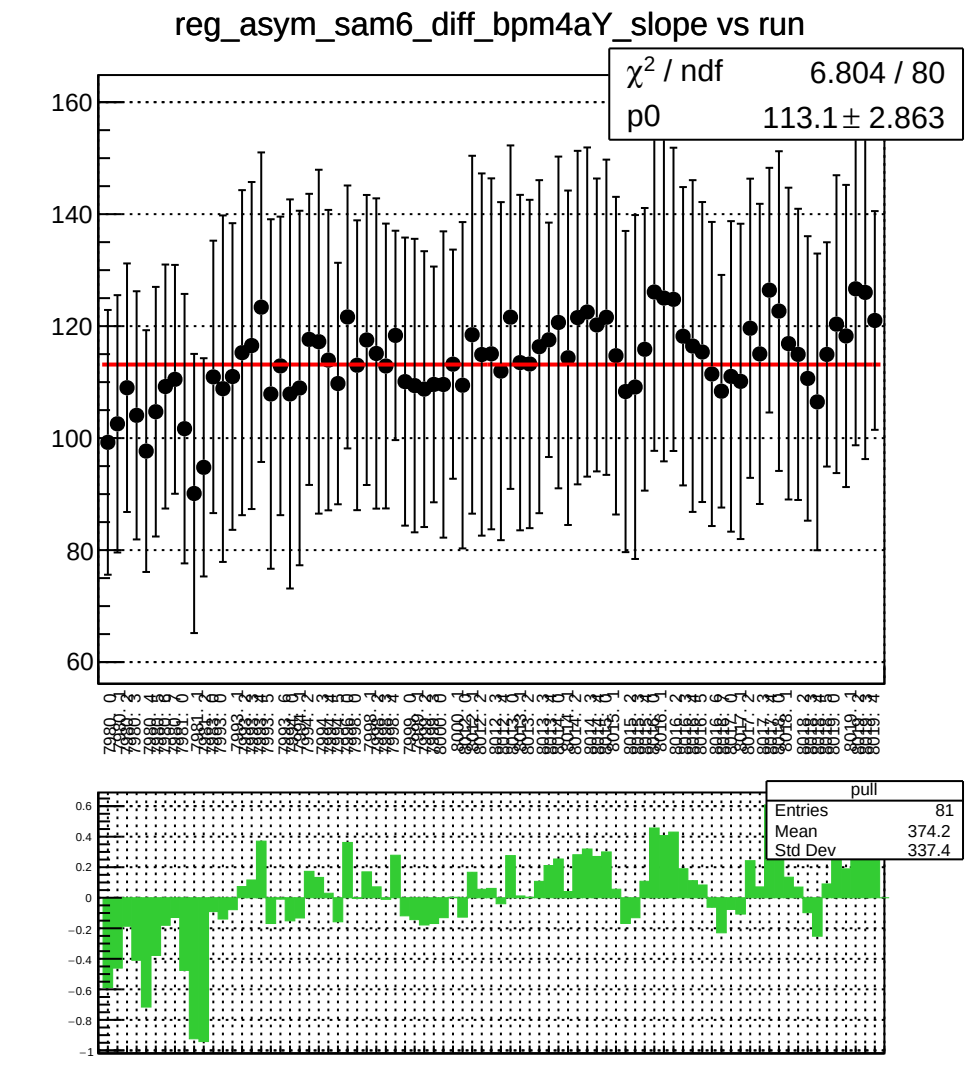

pull1D
Entries 81
Mean 0.05576
Std Dev 0.4868

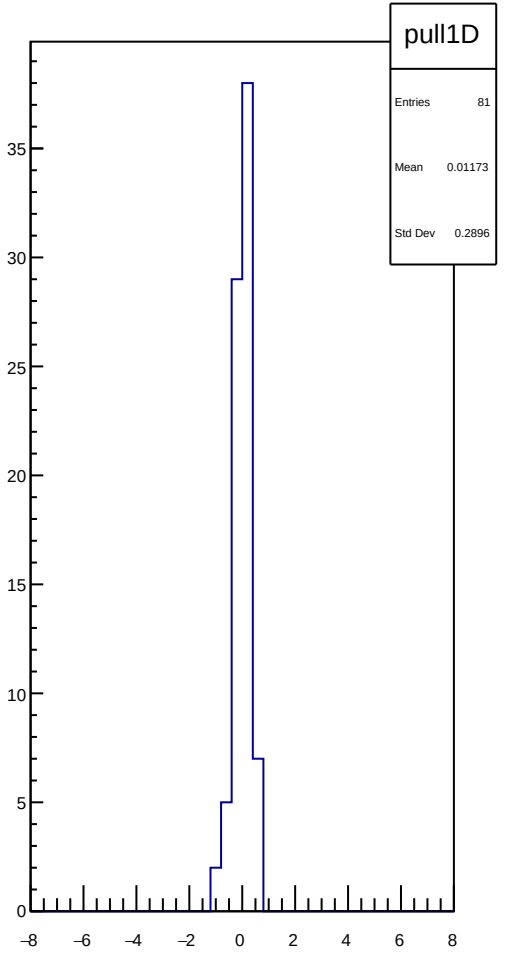

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 16.37 / 80
p0 −0.5347 ± 0.05111
pull
Entries 81
Mean 91.73
Std Dev 50.6

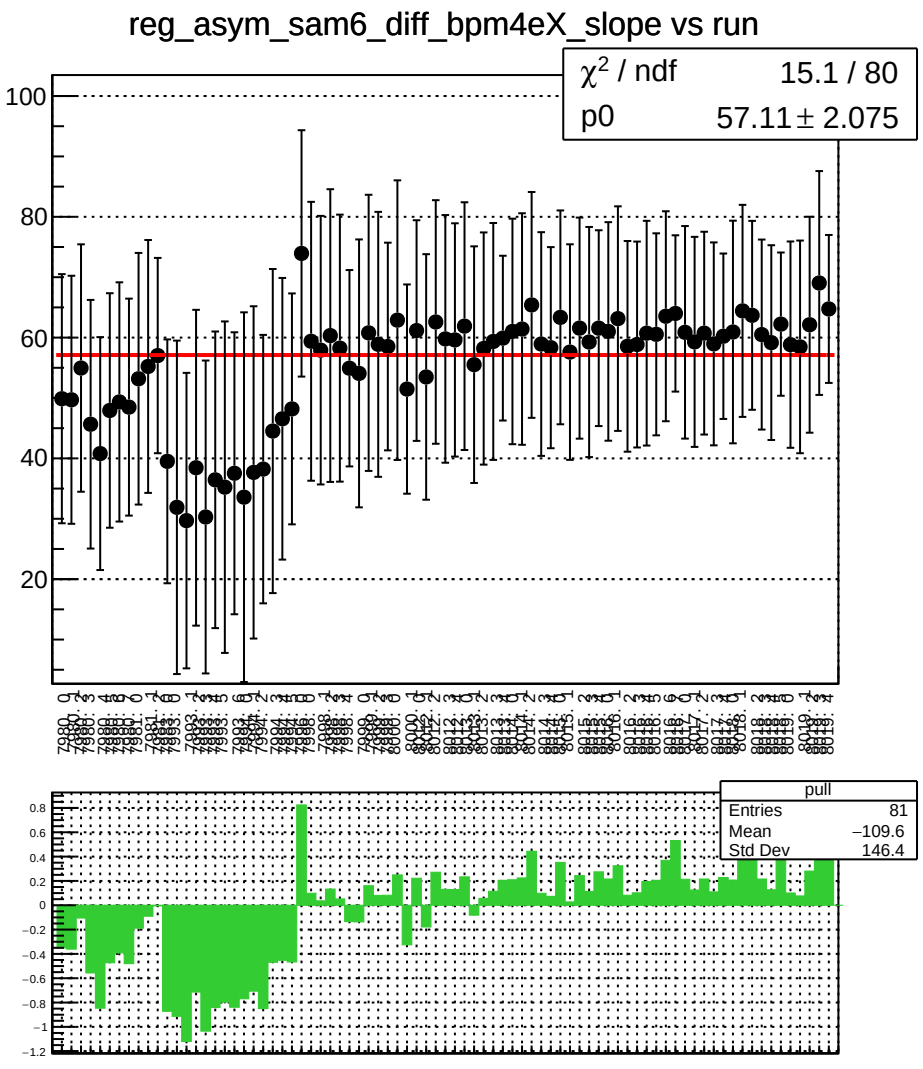

pull1D
Entries 81
Mean 0.1347
Std Dev 0.4289

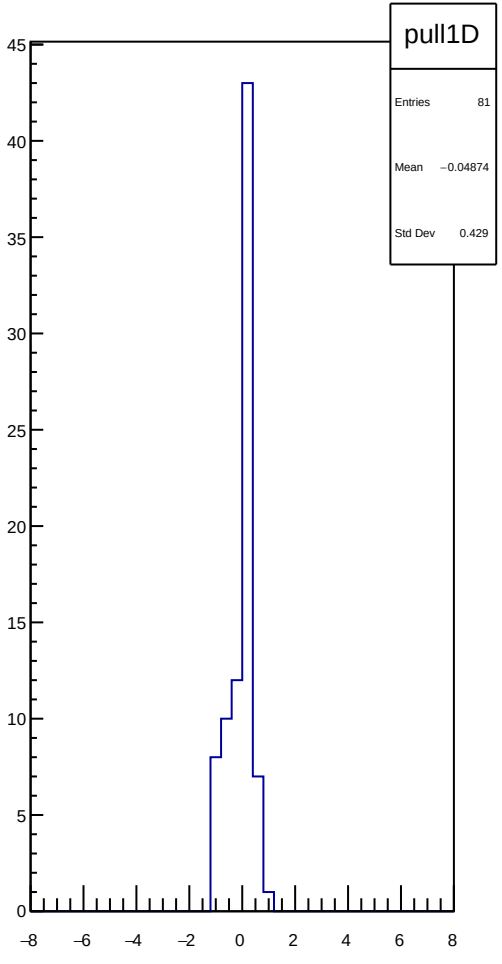

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 13.45 / 80
p0 17.27 ± 2.053
pull
Entries 81
Mean 6.839
Std Dev 50.13

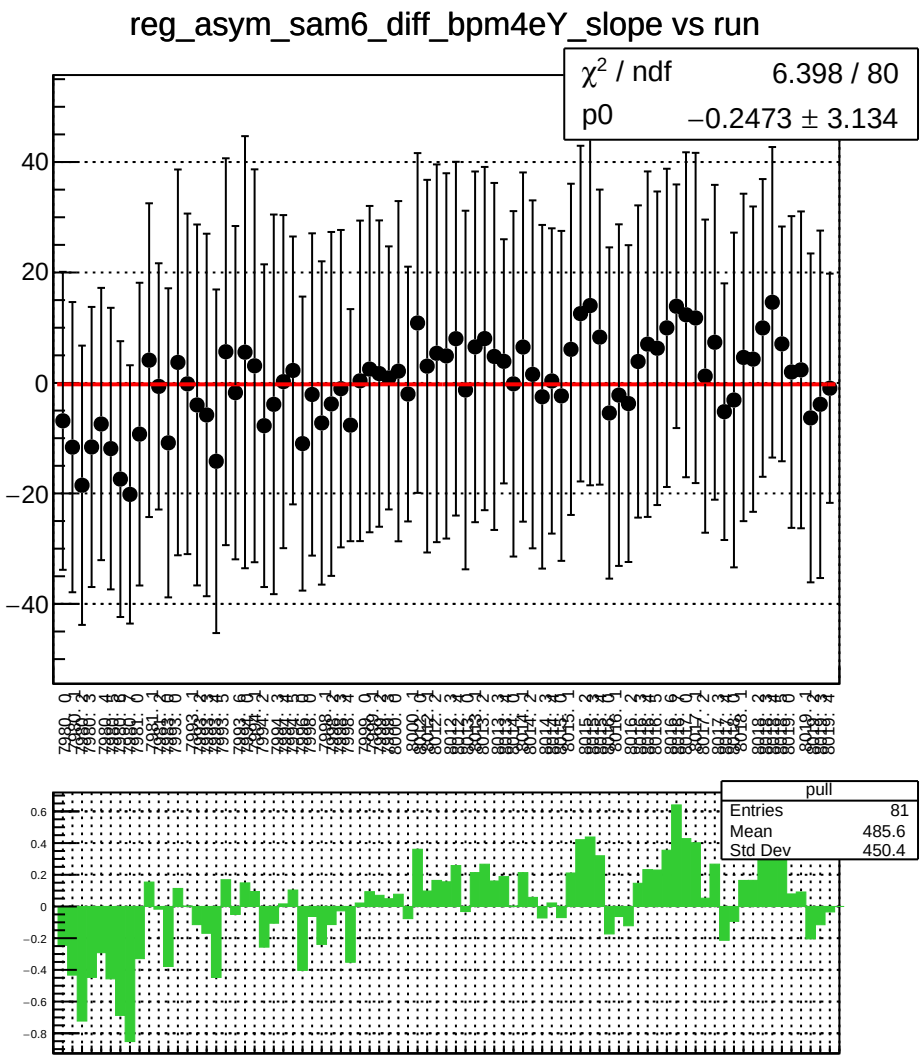

pull1D
Entries 81
Mean 0.03138
Std Dev 0.4064

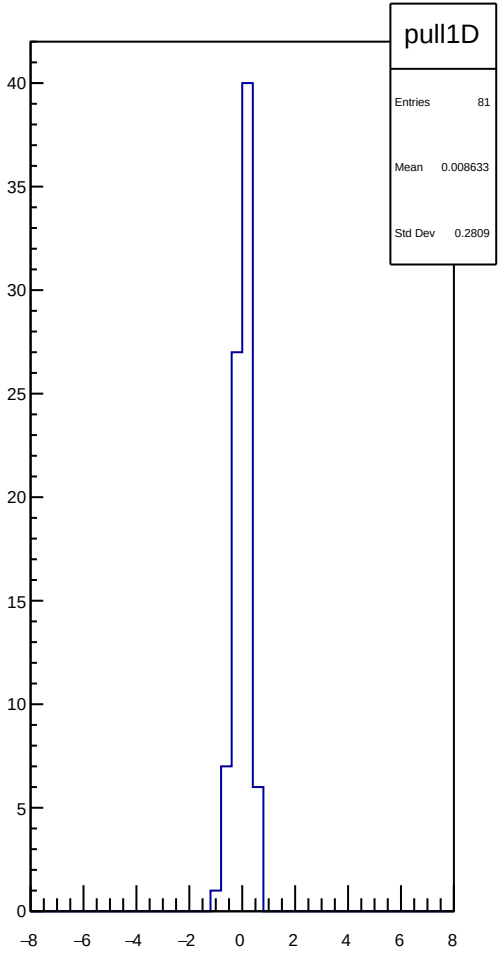

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 6.804 / 80
p0 113.1 ± 2.863
pull
Entries 81
Mean 374.2
Std Dev 337.4

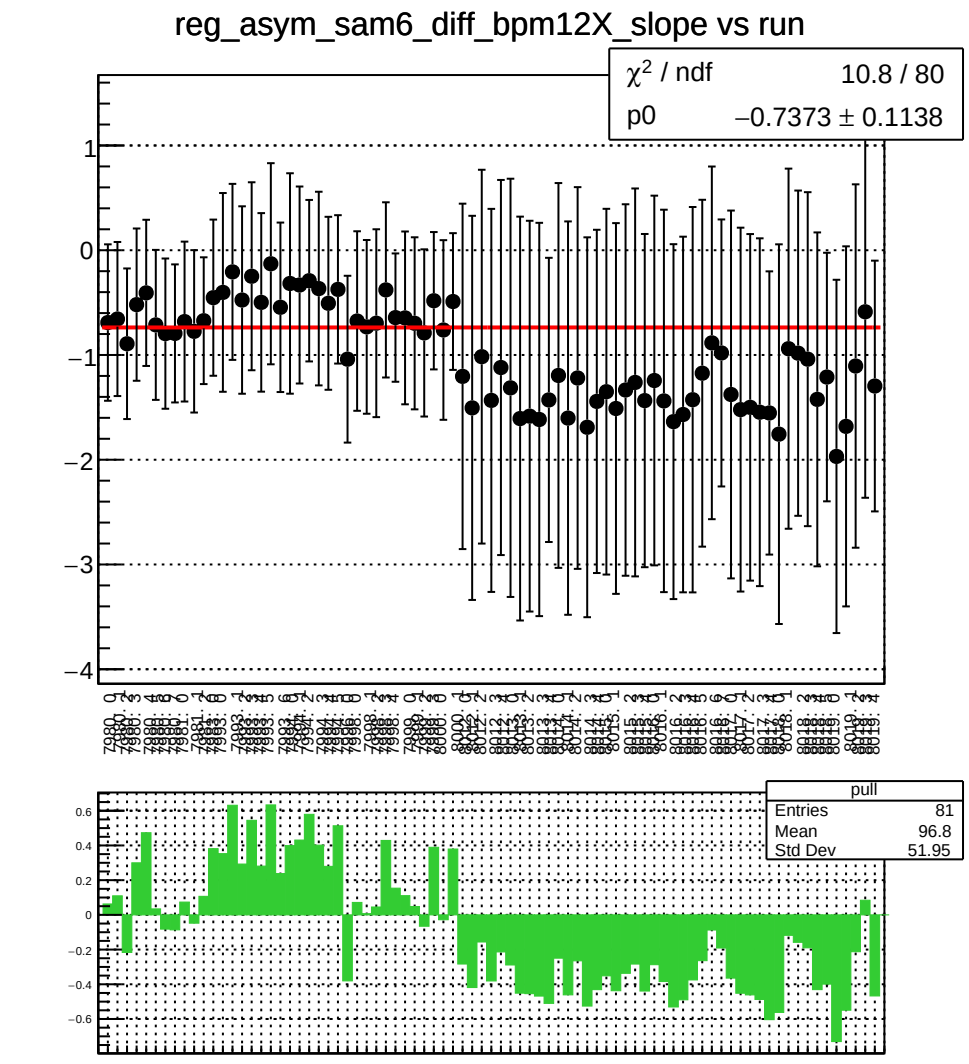

pull1D
Entries 81
Mean 0.01173
Std Dev 0.2896

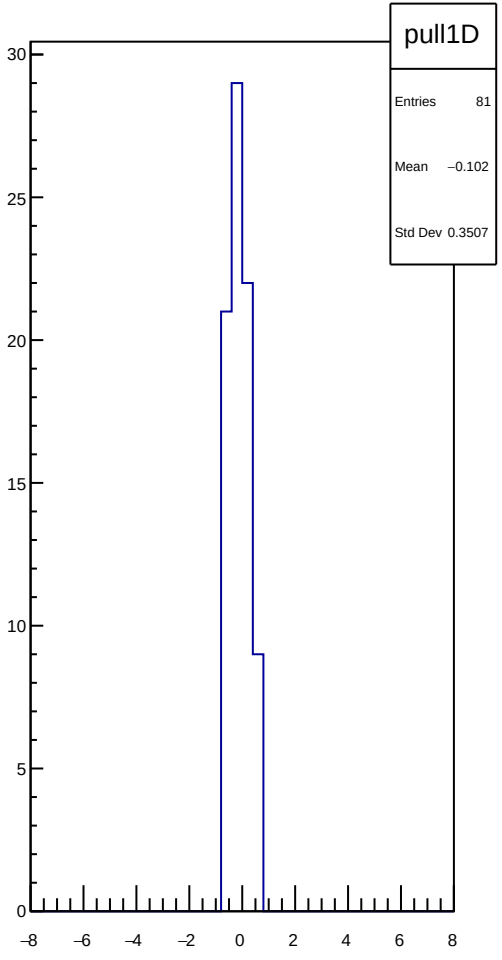

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 15.1 / 80
p0 57.11 ± 2.075
pull
Entries 81
Mean −109.6
Std Dev 146.4

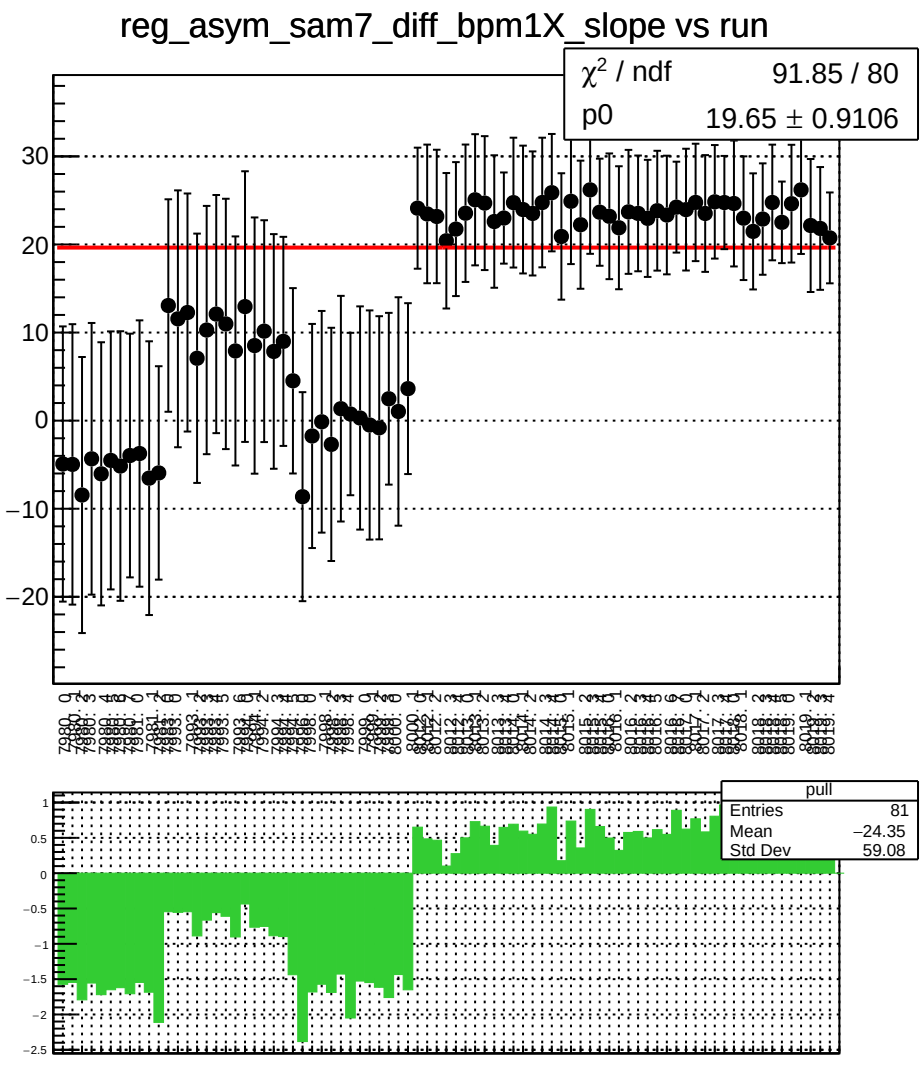

pull1D
Entries 81
Mean −0.04874
Std Dev 0.429

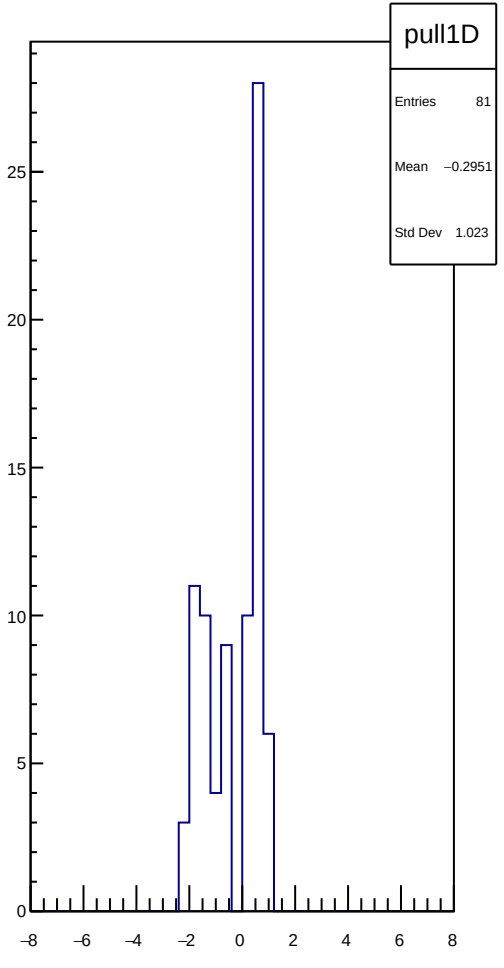

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 6.398 / 80
p0 −0.2473 ± 3.134
pull
Entries 81
Mean 485.6
Std Dev 450.4

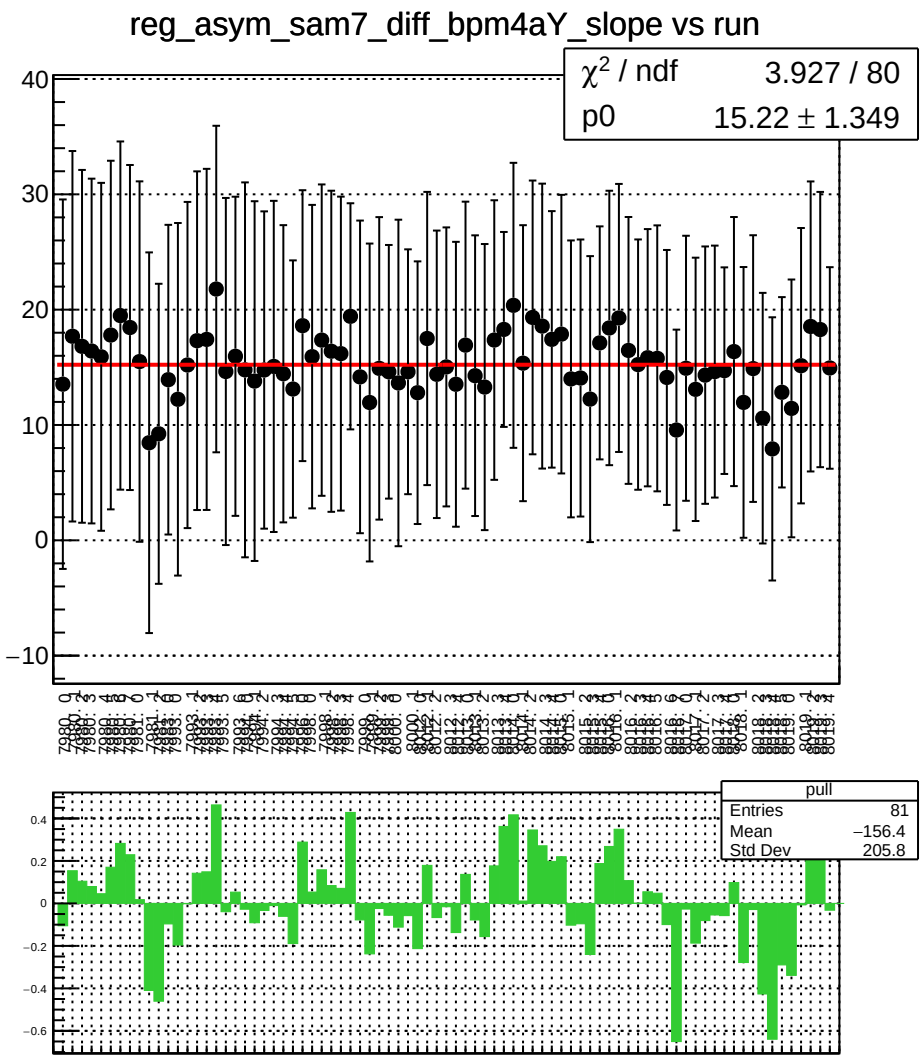

pull1D
Entries 81
Mean 0.008633
Std Dev 0.2809

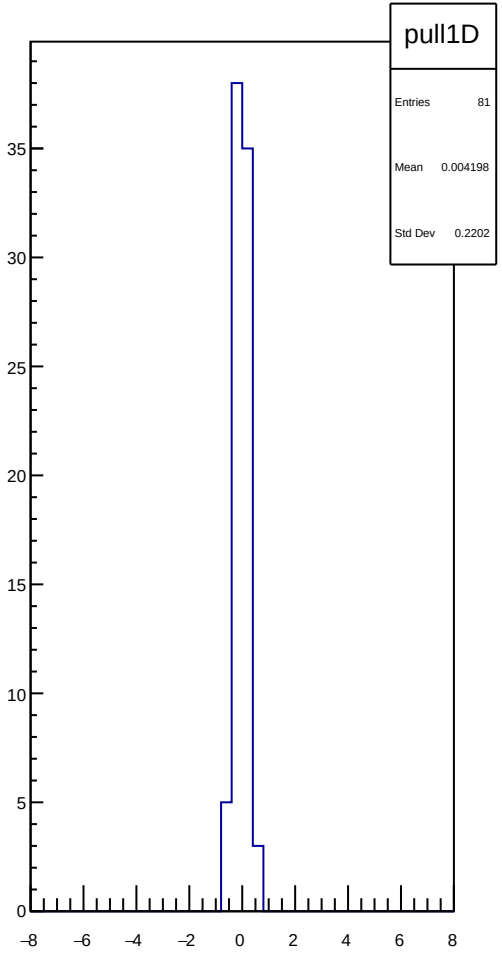

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.8 / 80
p0 −0.7373 ± 0.1138
pull
Entries 81
Mean 96.8
Std Dev 51.95

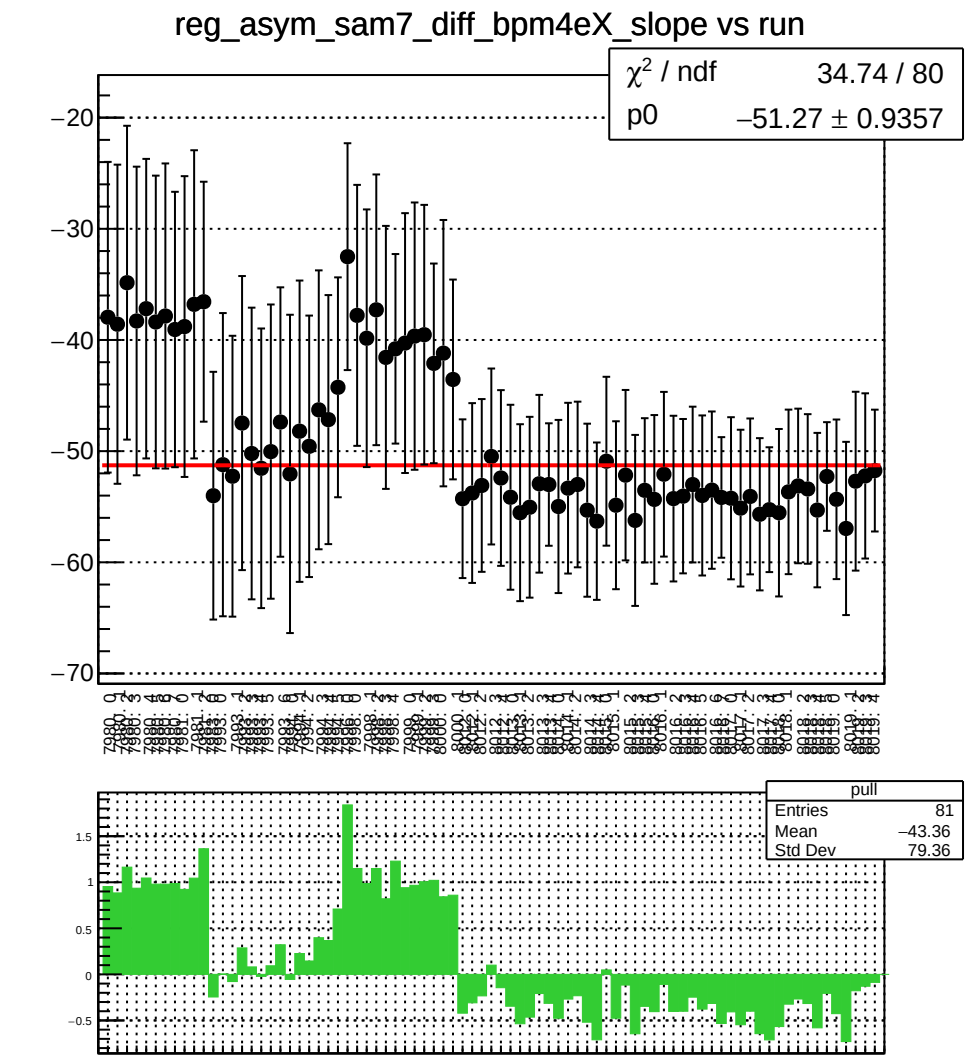

pull1D
Entries 81
Mean −0.102
Std Dev 0.3507

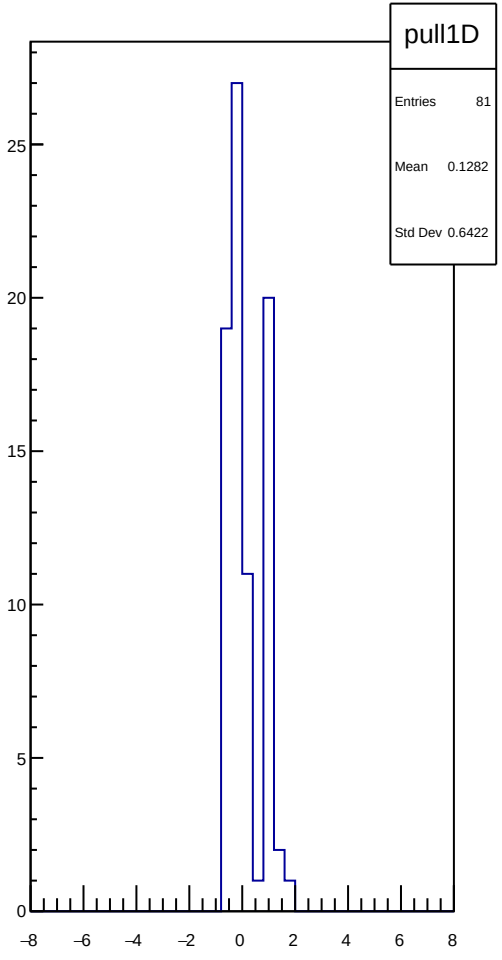

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 91.85 / 80
p0 19.65 ± 0.9106
pull
Entries 81
Mean −24.35
Std Dev 59.08

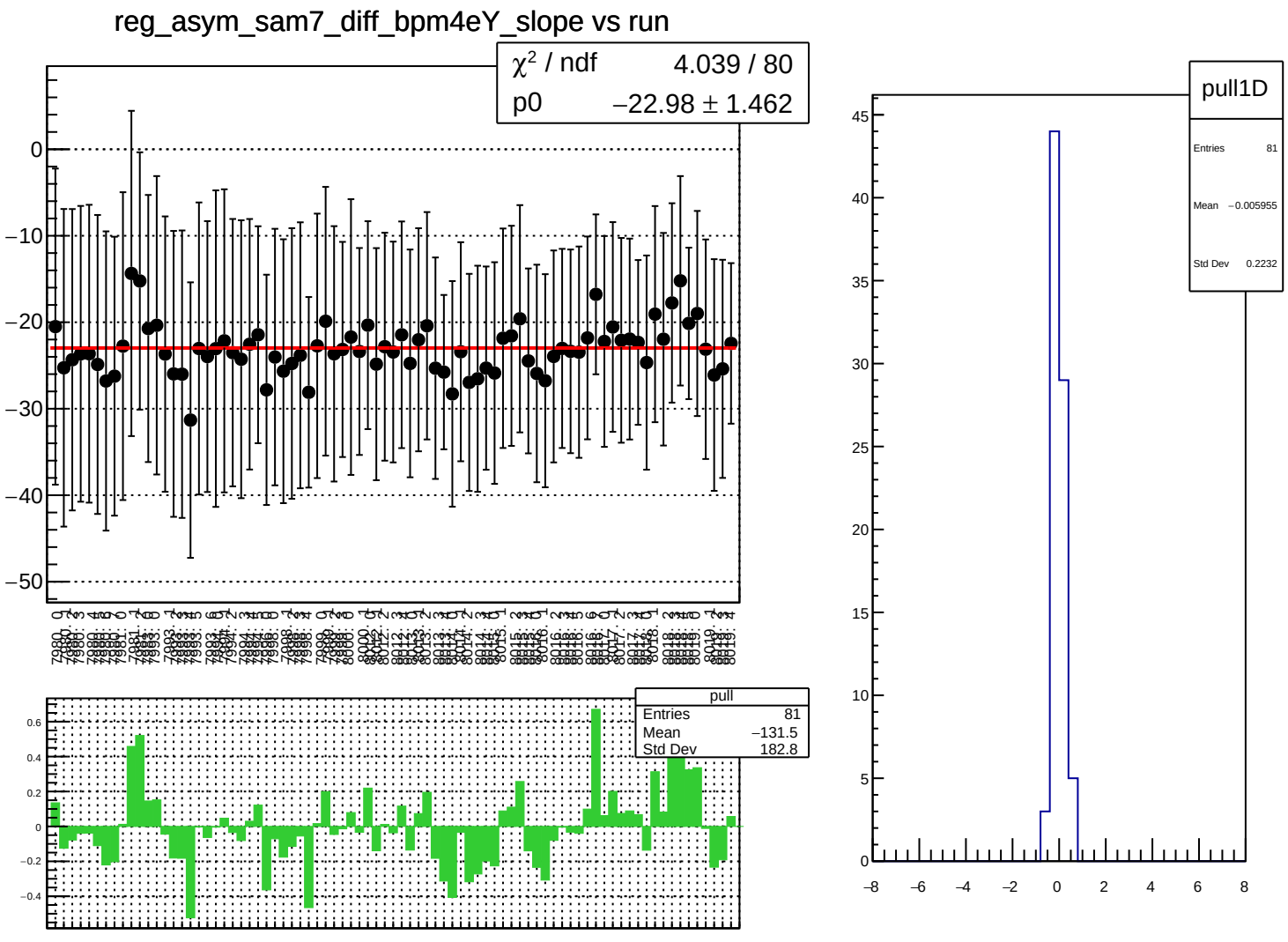

pull1D
Entries 81
Mean −0.2951
Std Dev 1.023

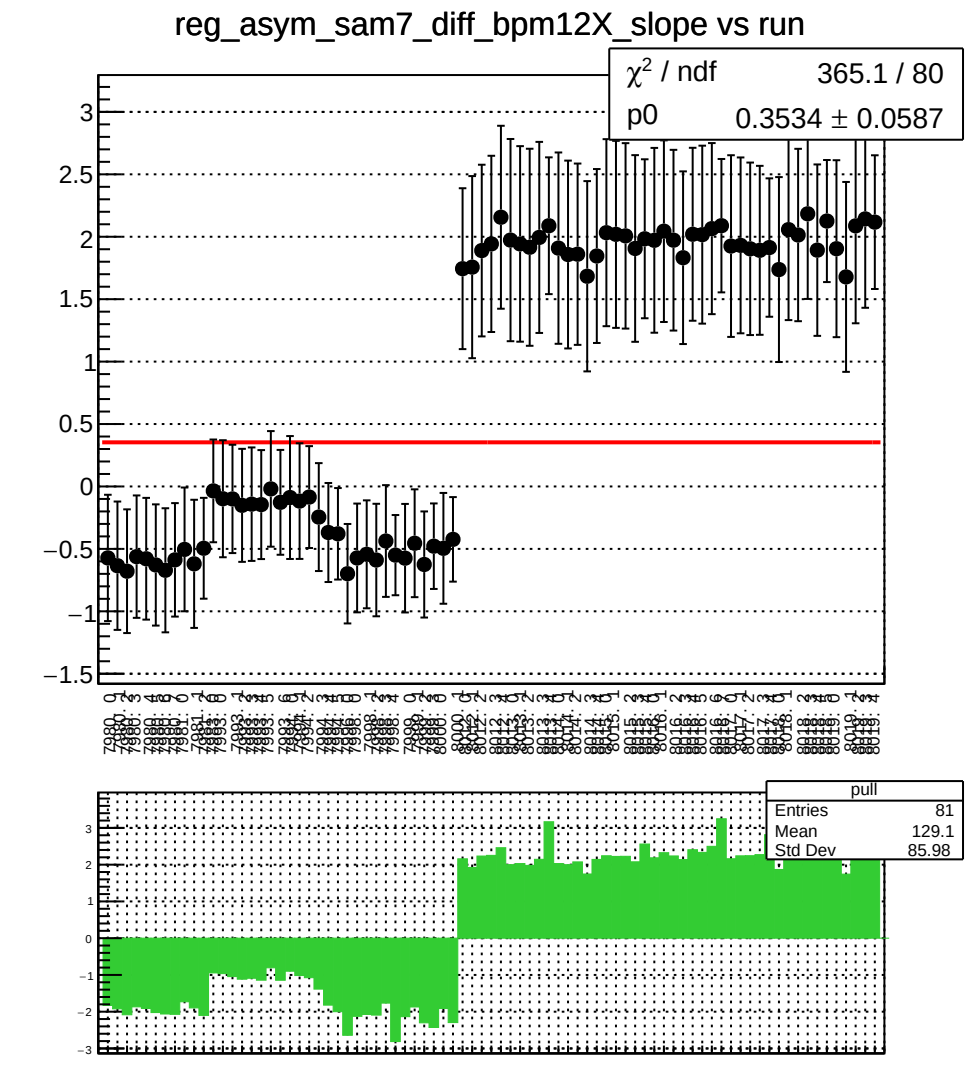

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.927 / 80
p0 15.22 ± 1.349
pull
Entries 81
Mean −156.4
Std Dev 205.8

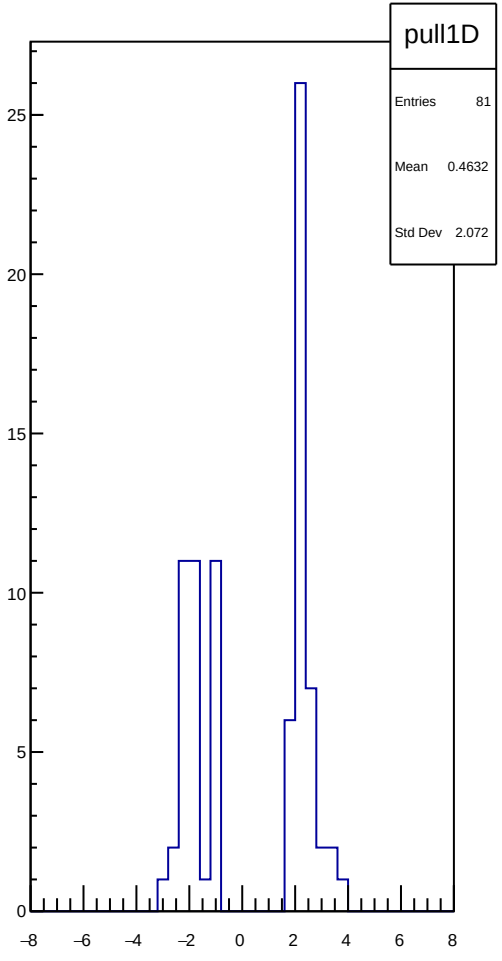

pull1D
Entries 81
Mean 0.004198
Std Dev 0.2202

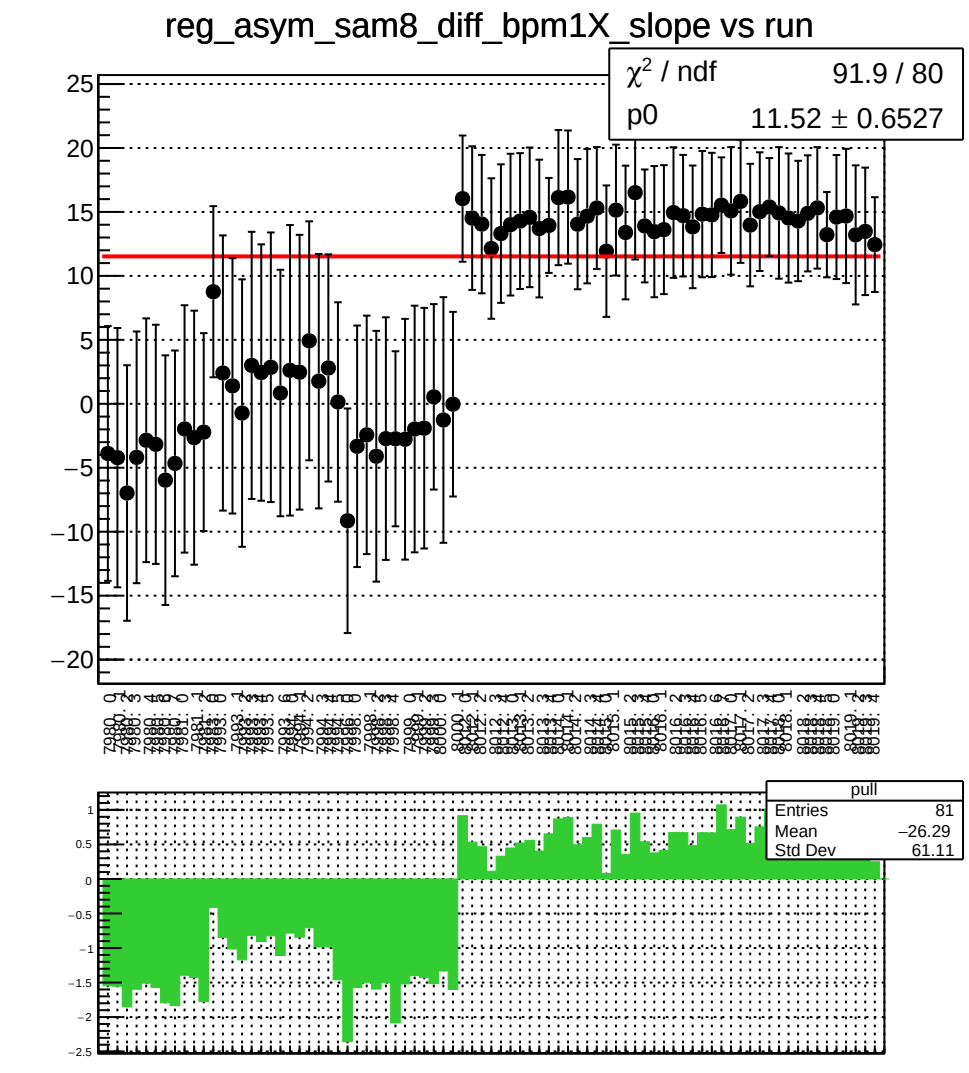

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 34.74 / 80
p0 −51.27 ± 0.9357
pull
Entries 81
Mean −43.36
Std Dev 79.36

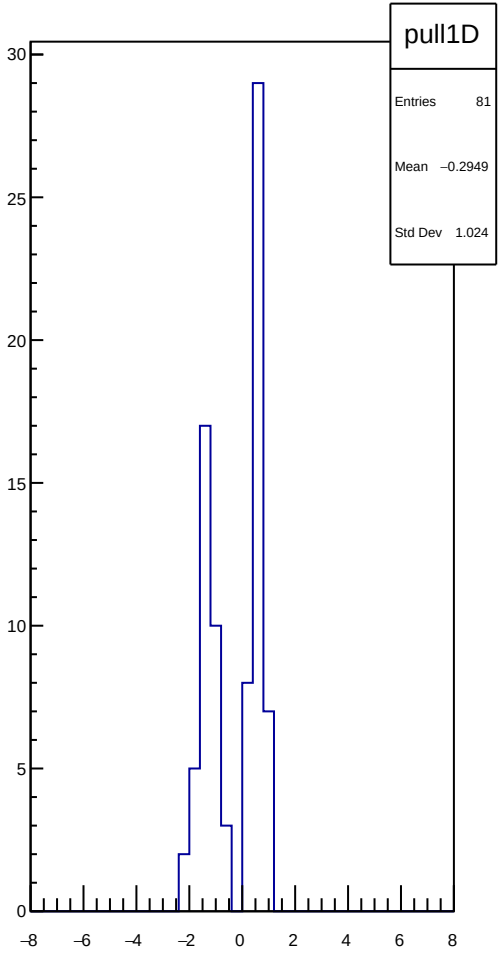

pull1D
Entries 81
Mean 0.1282
Std Dev 0.6422

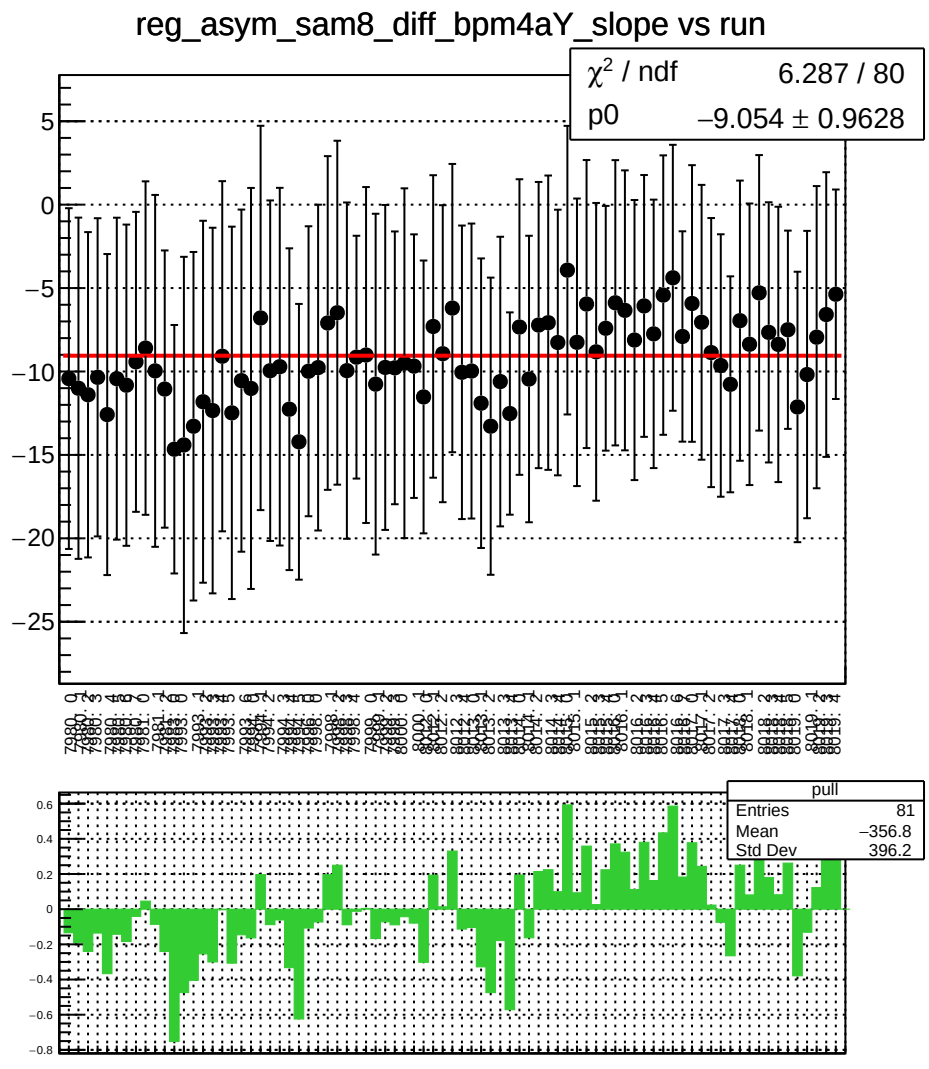

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 4.039 / 80
p0 −22.98 ± 1.462
pull
Entries 81
Mean −131.5
Std Dev 182.8
pull1D
Entries 81
Mean −0.005955
Std Dev 0.2232

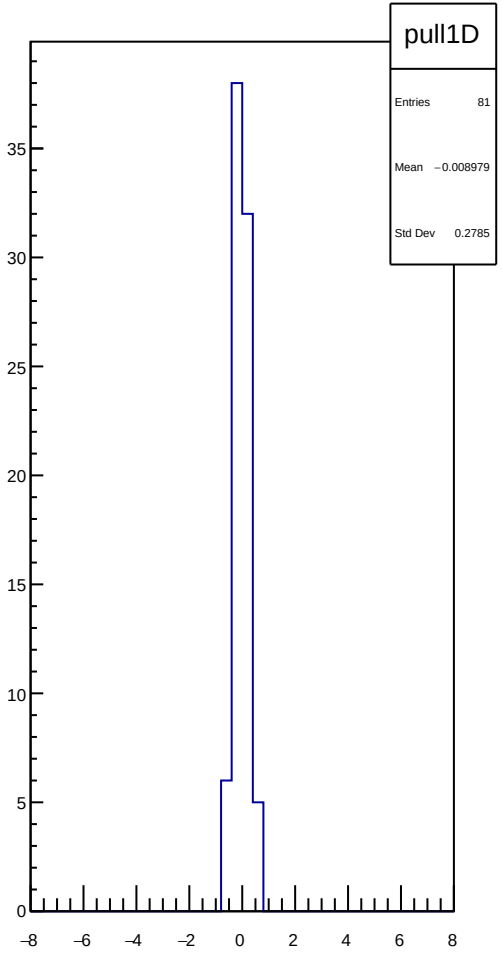

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 365.1 / 80
p0 0.3534 ± 0.0587
pull
Entries 81
Mean 129.1
Std Dev 85.98

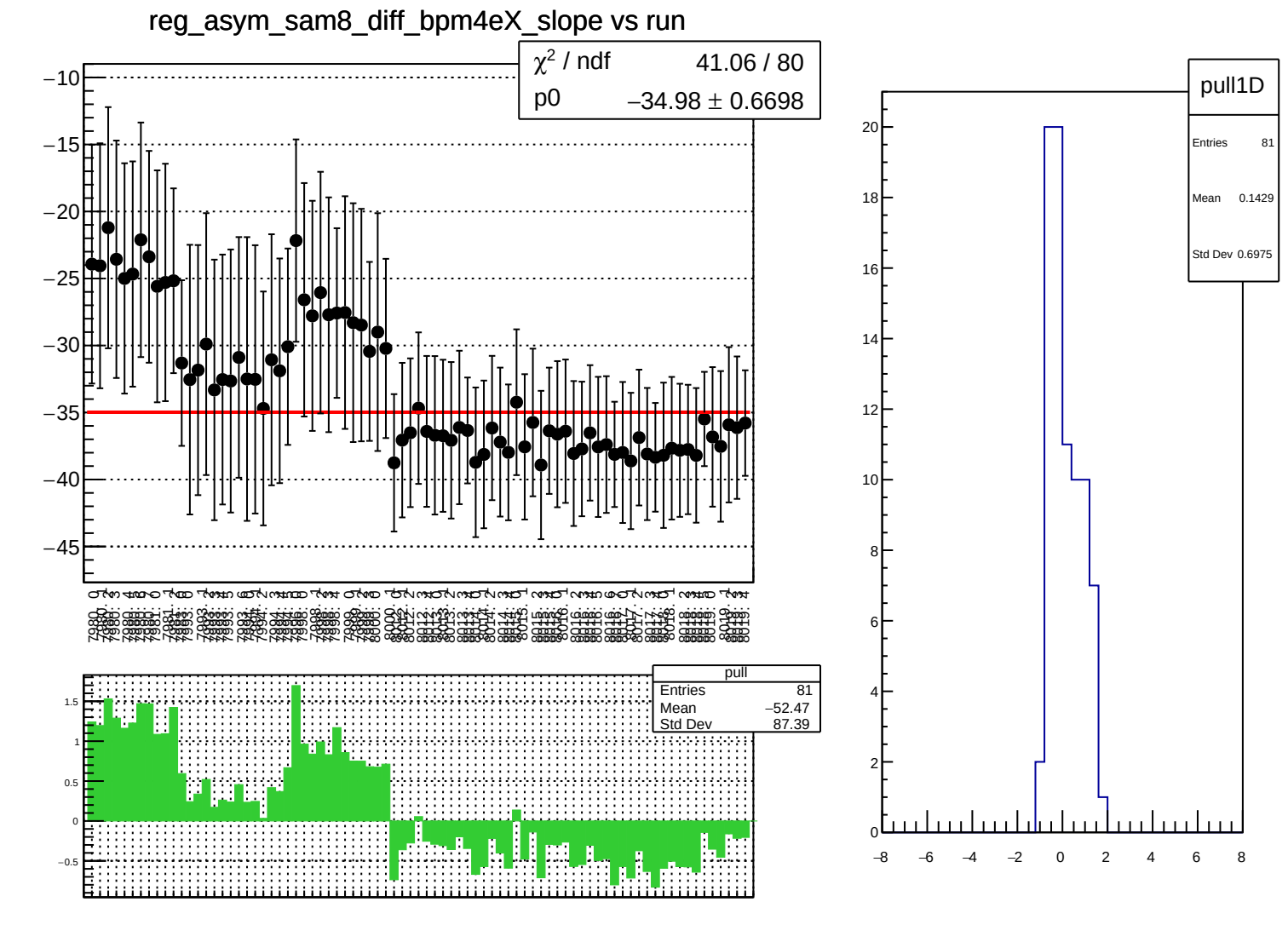

pull1D
Entries 81
Mean 0.4632
Std Dev 2.072

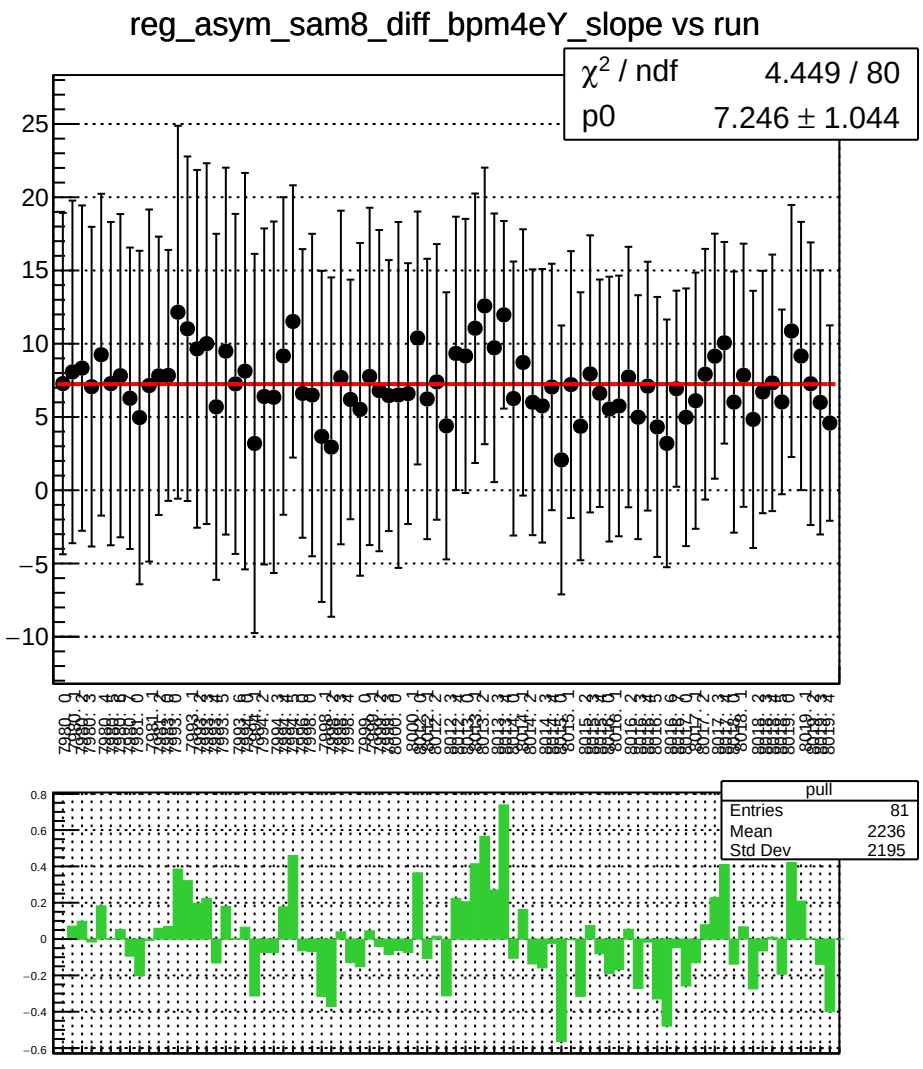

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 91.9 / 80
p0 11.52 ± 0.6527
pull
Entries 81
Mean −26.29
Std Dev 61.11

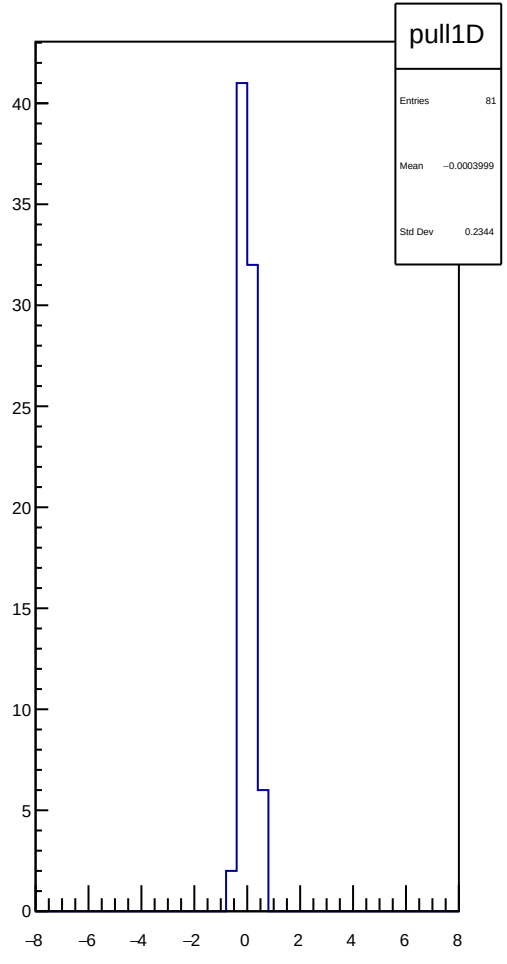

pull1D
Entries 81
Mean −0.2949
Std Dev 1.024

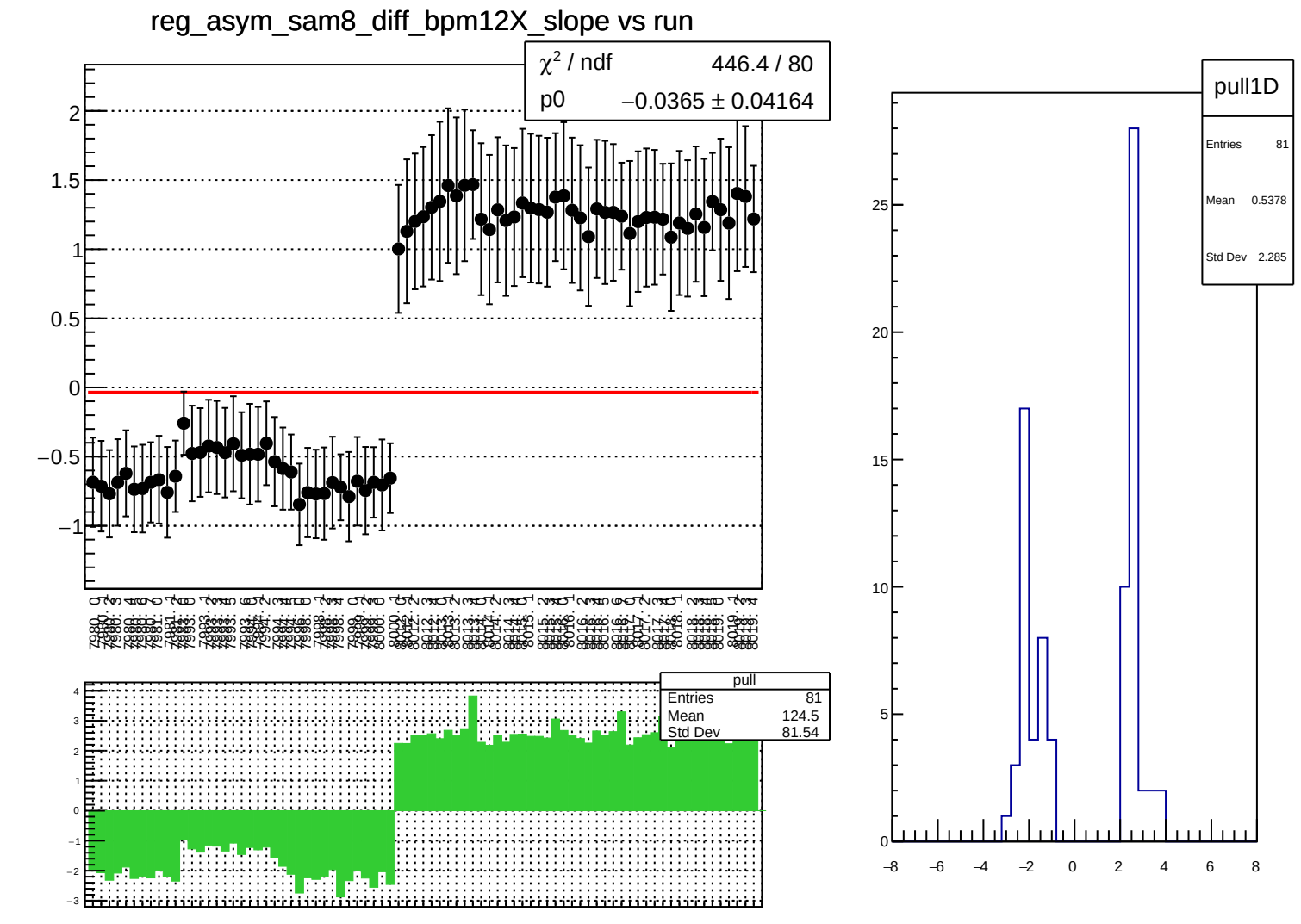

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 6.287 / 80
p0 −9.054 ± 0.9628
pull
Entries 81
Mean −356.8
Std Dev 396.2

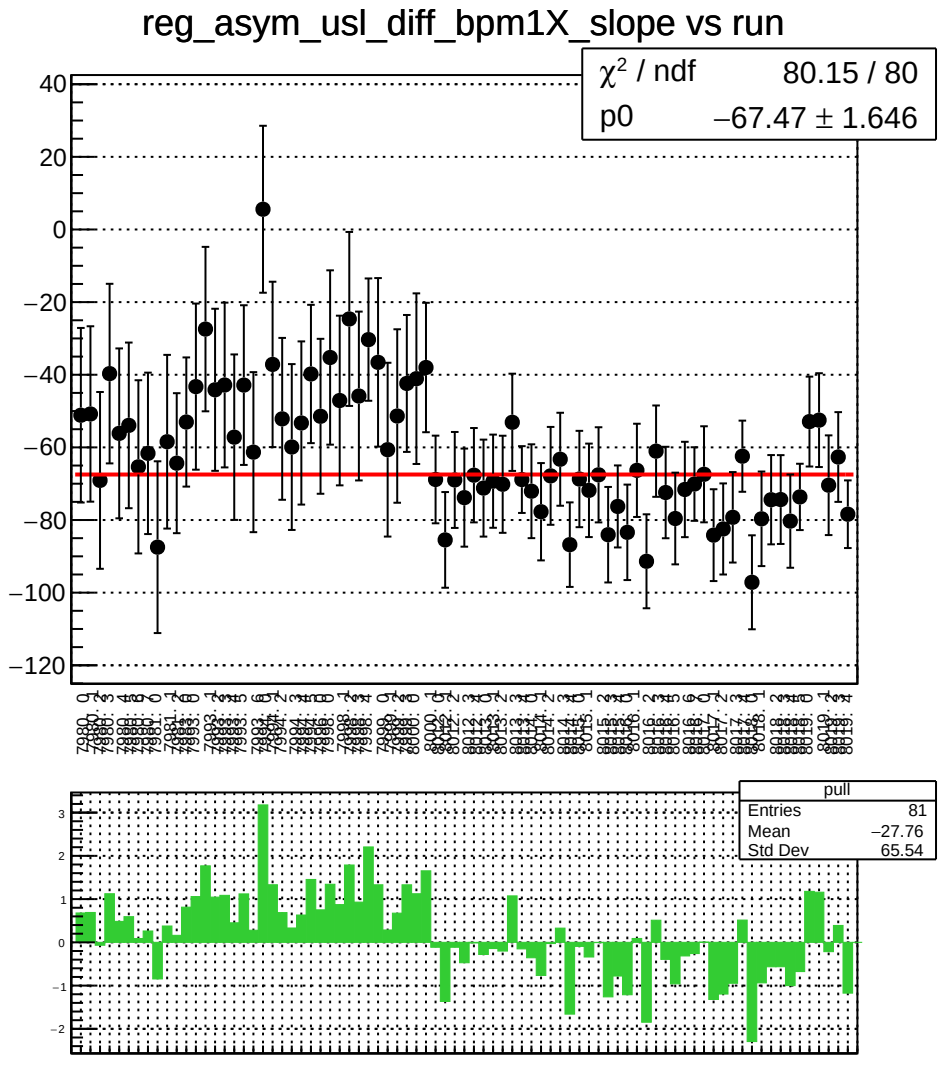

pull1D
Entries 81
Mean −0.008979
Std Dev 0.2785

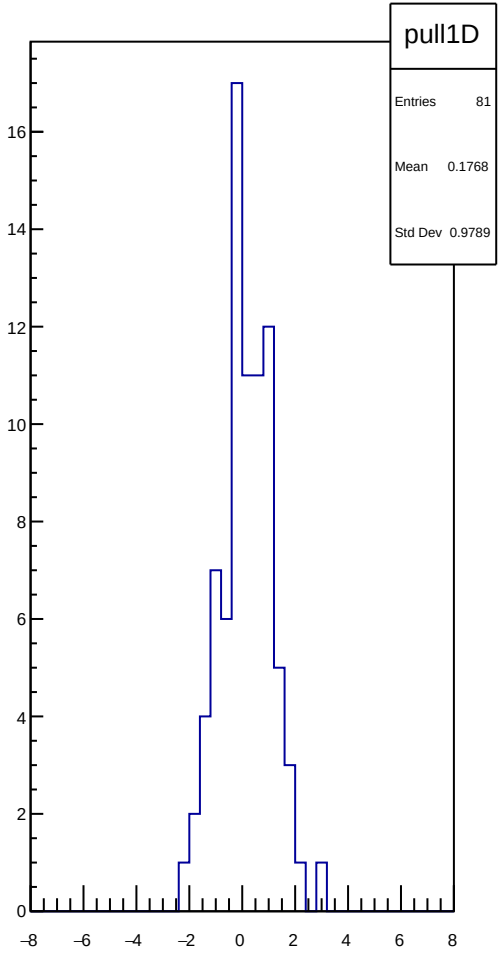

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 41.06 / 80
p0 −34.98 ± 0.6698
pull
Entries 81
Mean −52.47
Std Dev 87.39
pull1D
Entries 81
Mean 0.1429
Std Dev 0.6975

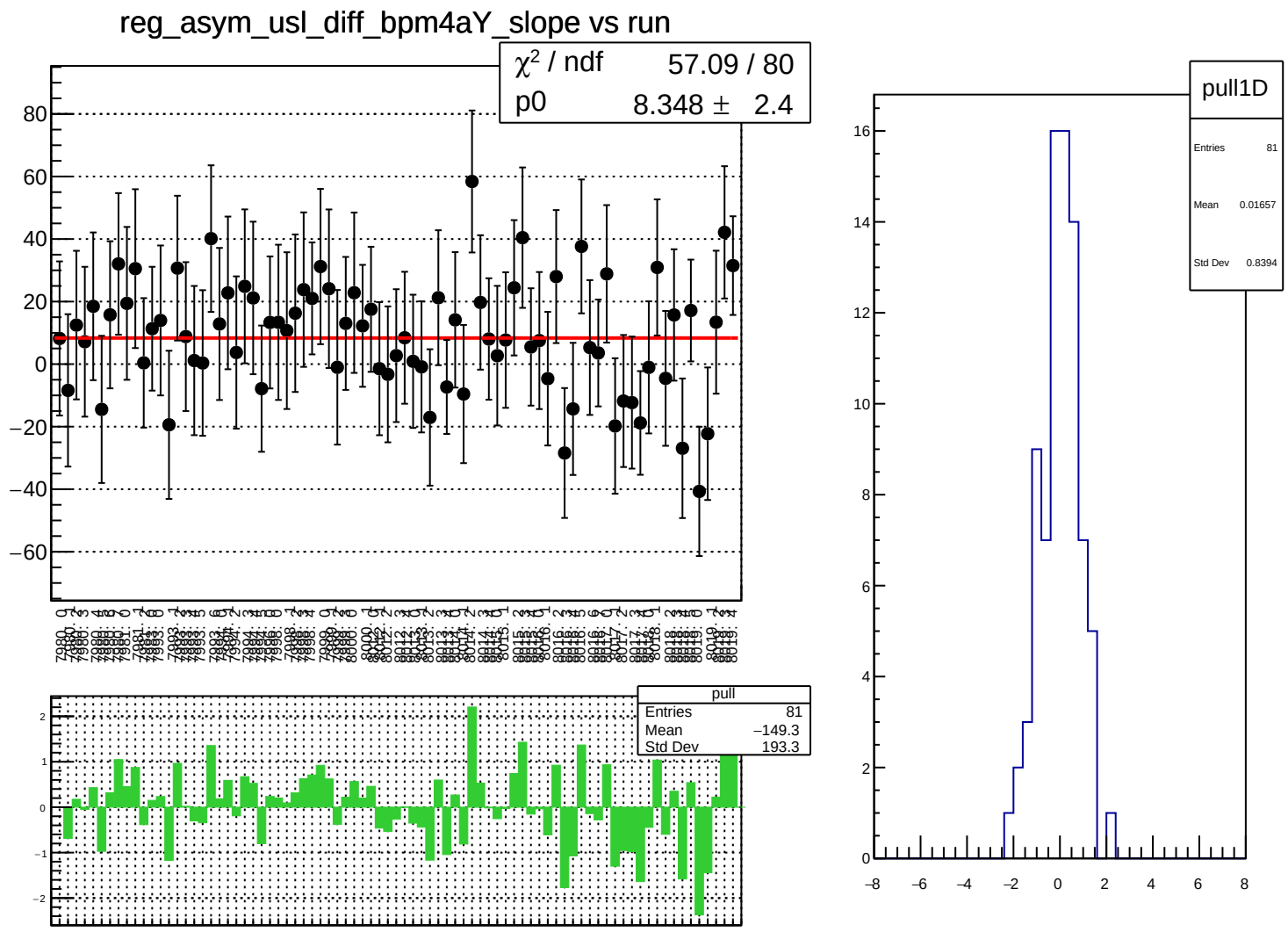

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 4.449 / 80
p0 7.246 ± 1.044
pull
Entries 81
Mean 2236
Std Dev 2195

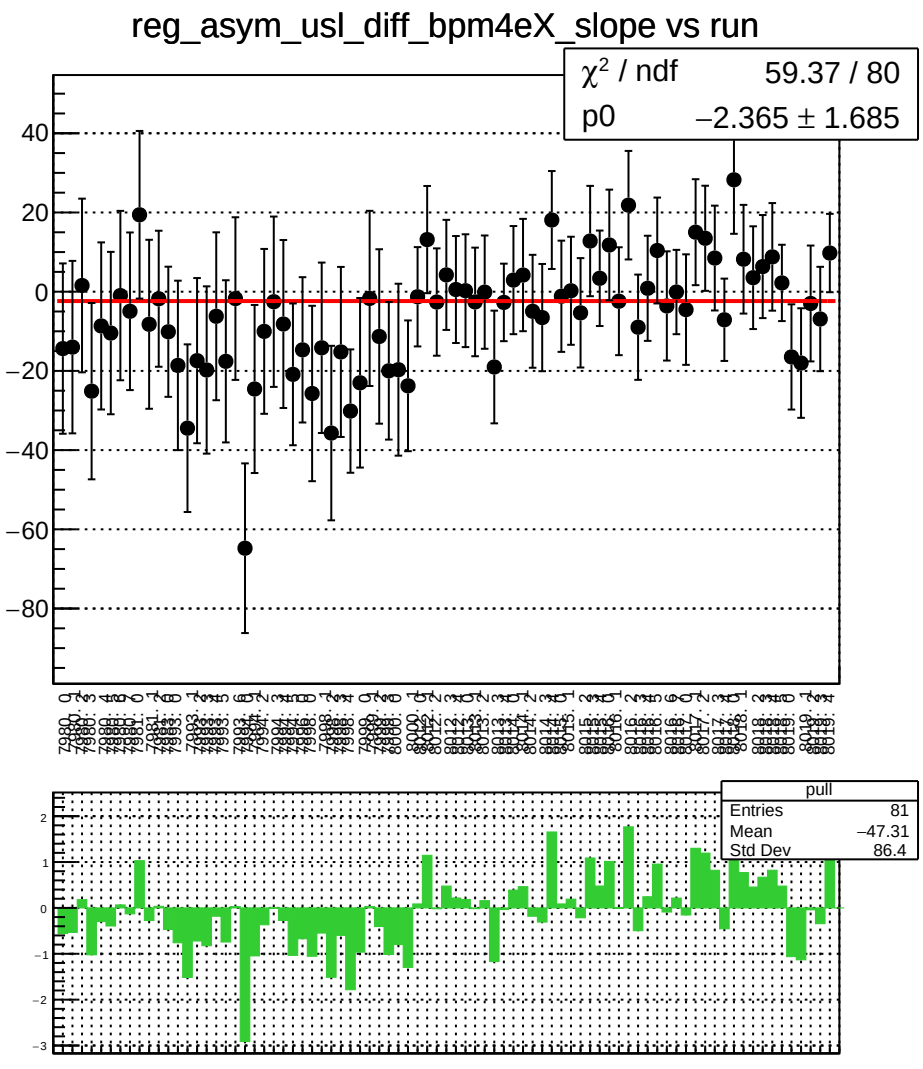

pull1D
Entries 81
Mean −0.0003999
Std Dev 0.2344

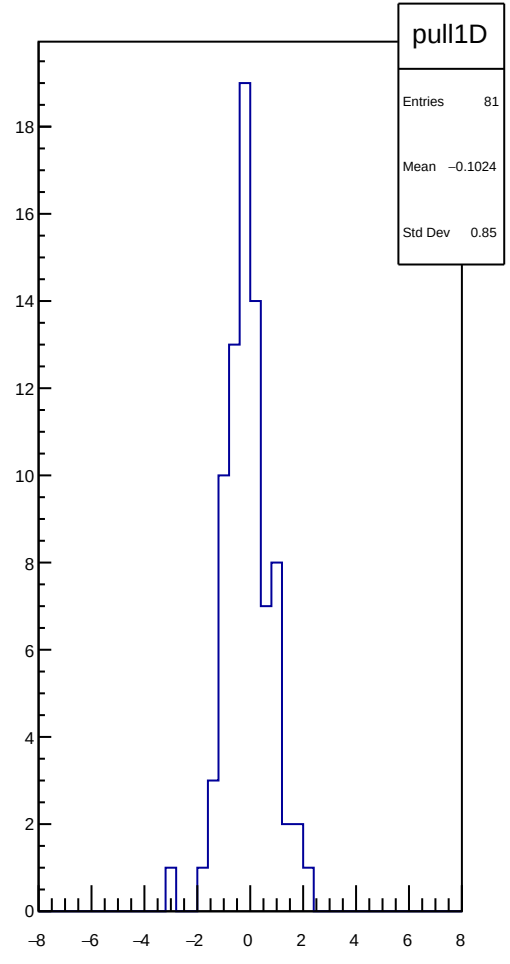

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 446.4 / 80
p0 −0.0365 ± 0.04164
pull
Entries 81
Mean 124.5
Std Dev 81.54
pull1D
Entries 81
Mean 0.5378
Std Dev 2.285

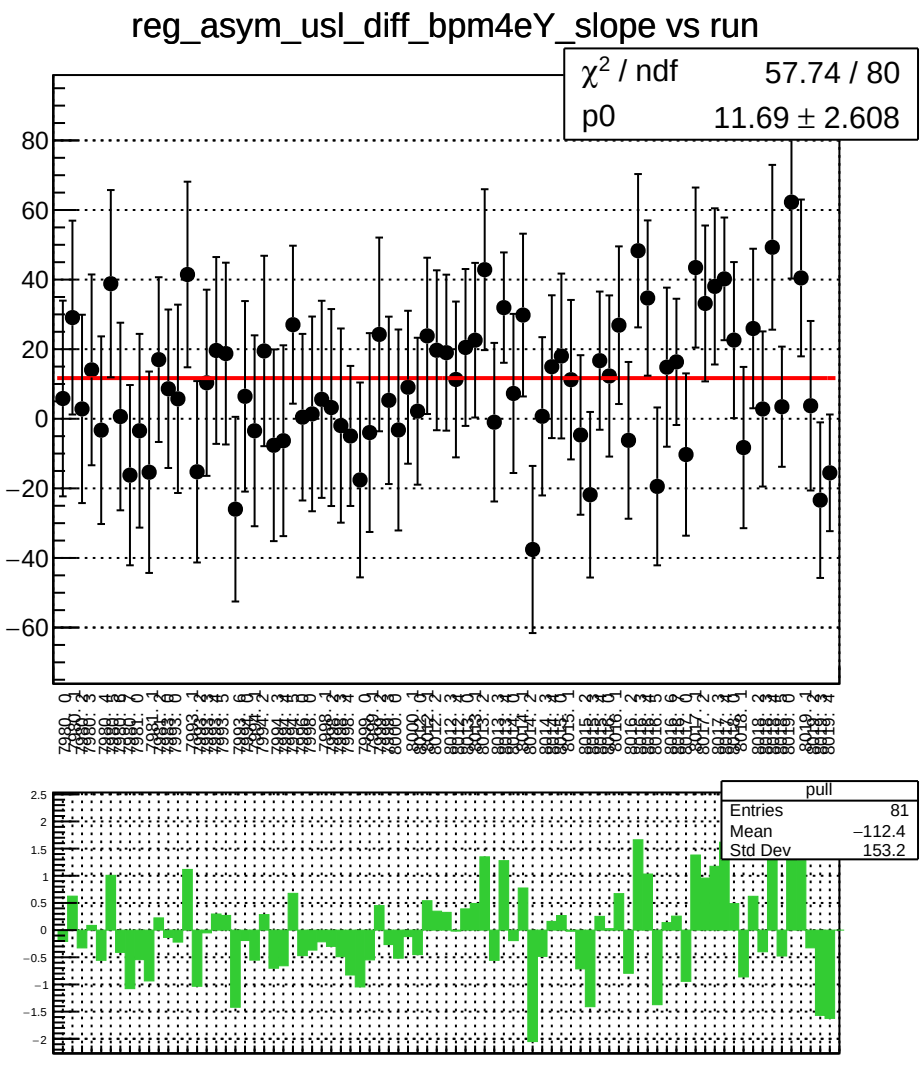

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 80.15 / 80
p0 −67.47 ± 1.646
pull
Entries 81
Mean −27.76
Std Dev 65.54

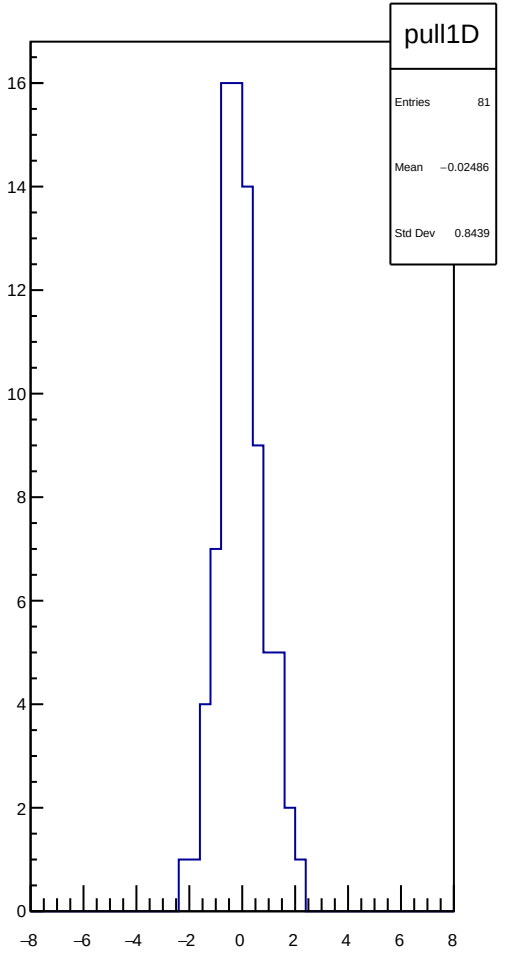

pull1D
Entries 81
Mean 0.1768
Std Dev 0.9789

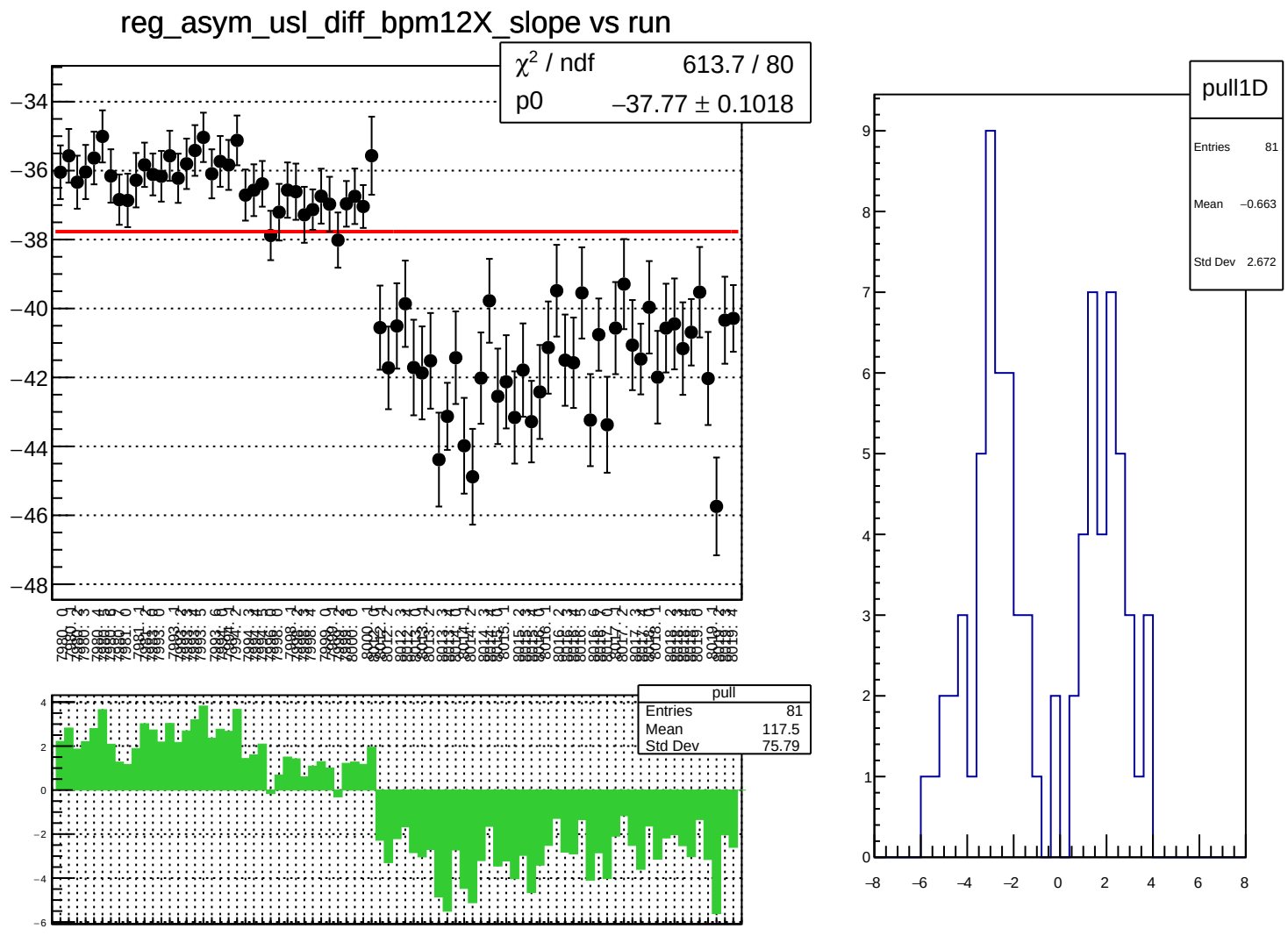

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 57.09 / 80
p0 8.348 ± 2.4
pull
Entries 81
Mean −149.3
Std Dev 193.3
pull1D
Entries 81
Mean 0.01657
Std Dev 0.8394

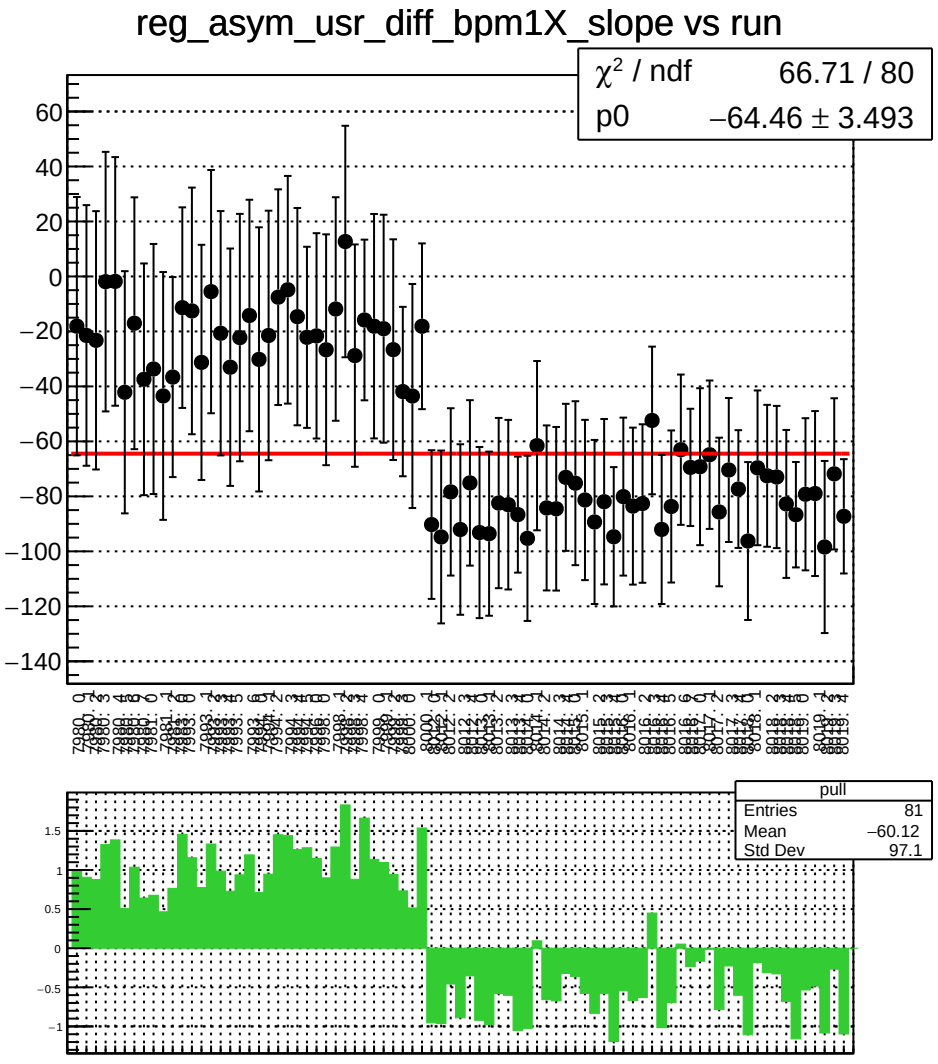

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 59.37 / 80
p0 −2.365 ± 1.685
pull
Entries 81
Mean −47.31
Std Dev 86.4

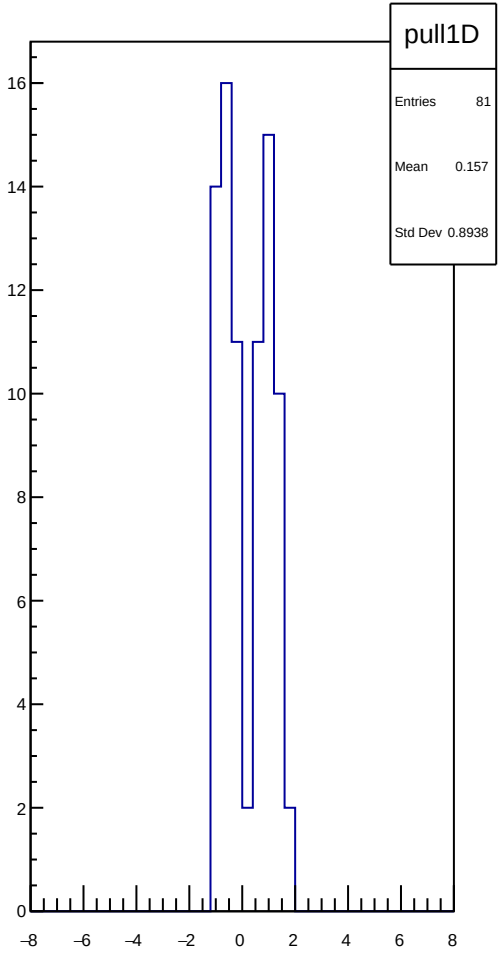

pull1D
Entries 81
Mean −0.1024
Std Dev 0.85

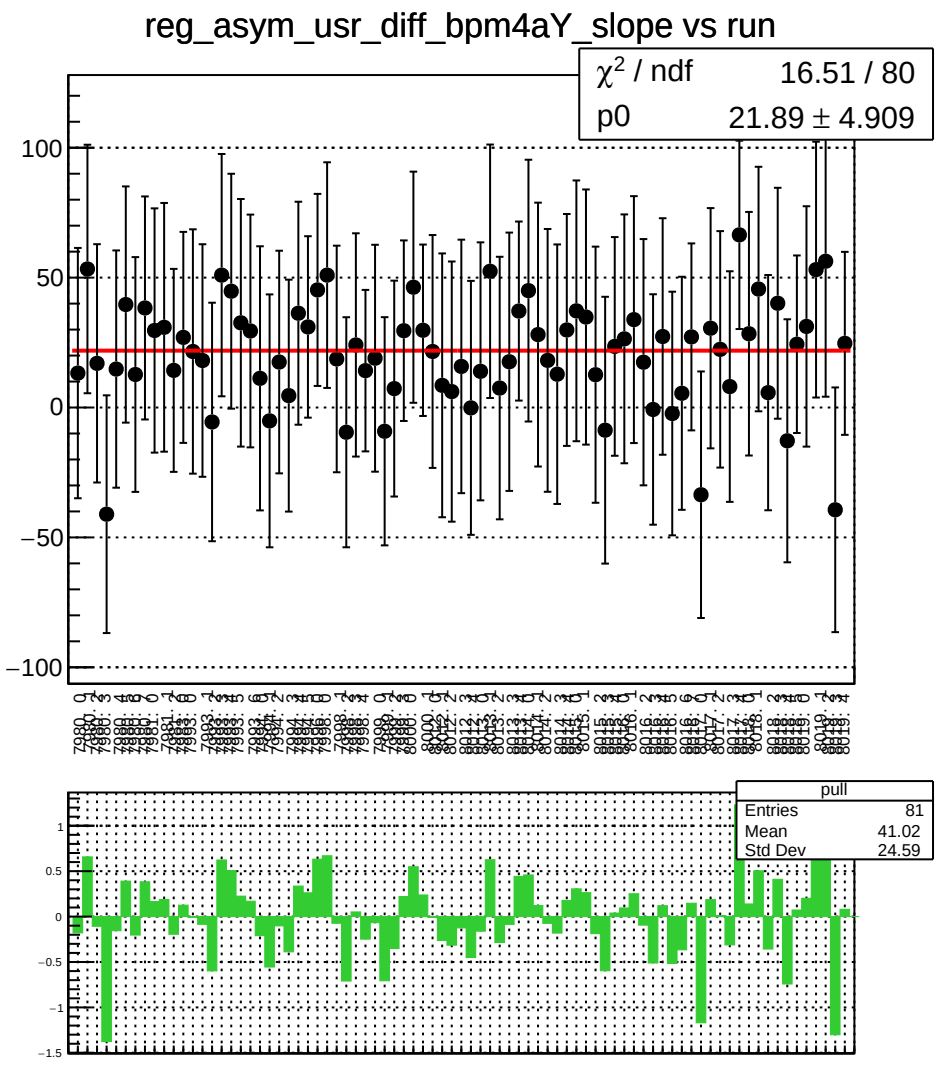

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 57.74 / 80
p0 11.69 ± 2.608
pull
Entries 81
Mean −112.4
Std Dev 153.2

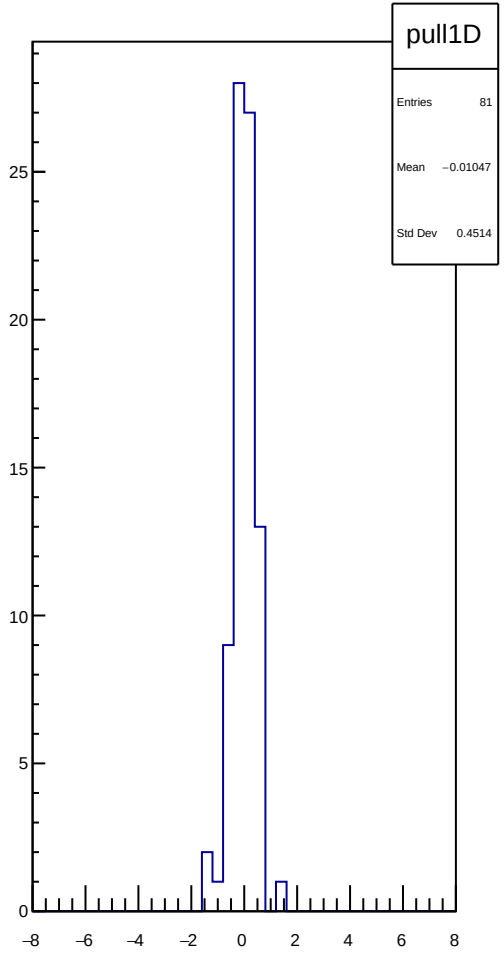

pull1D
Entries 81
Mean −0.02486
Std Dev 0.8439

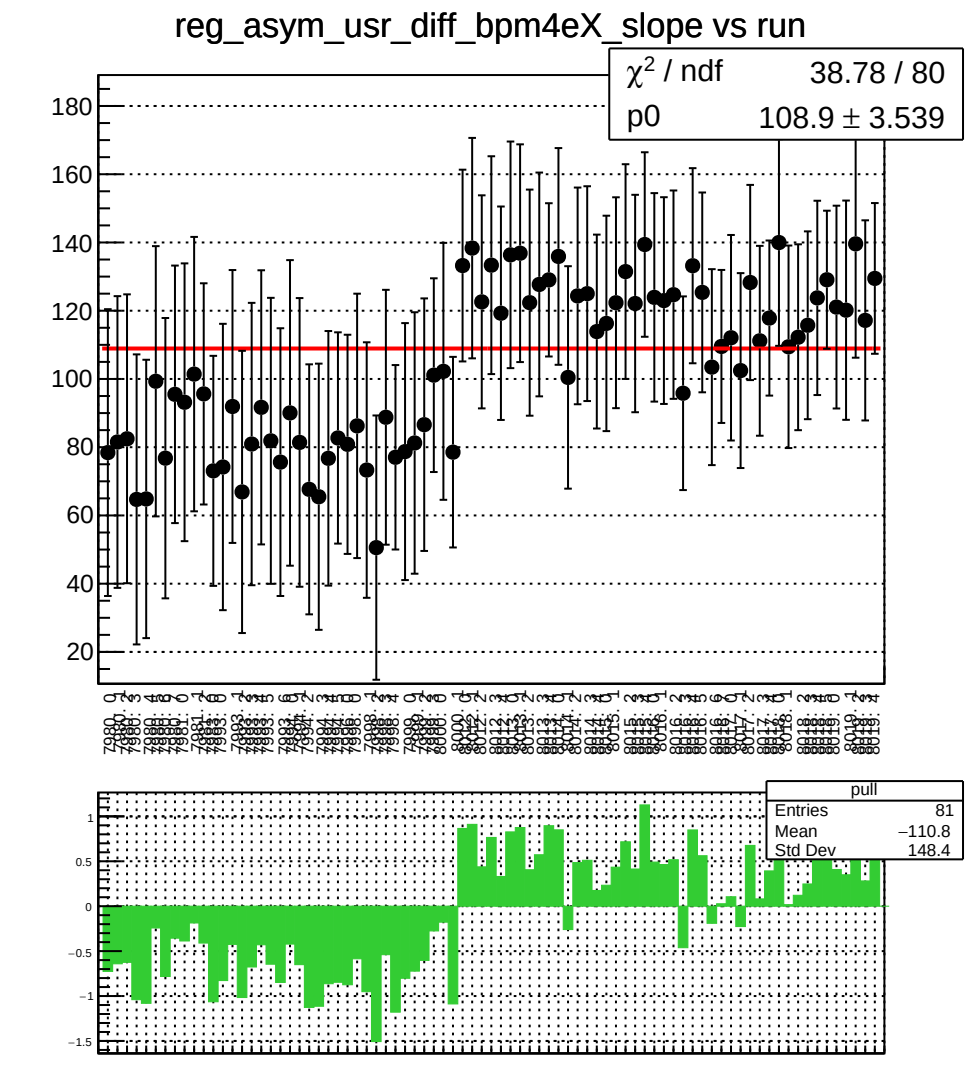

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 613.7 / 80
p0 −37.77 ± 0.1018
pull
Entries 81
Mean 117.5
Std Dev 75.79
pull1D
Entries 81
Mean −0.663
Std Dev 2.672

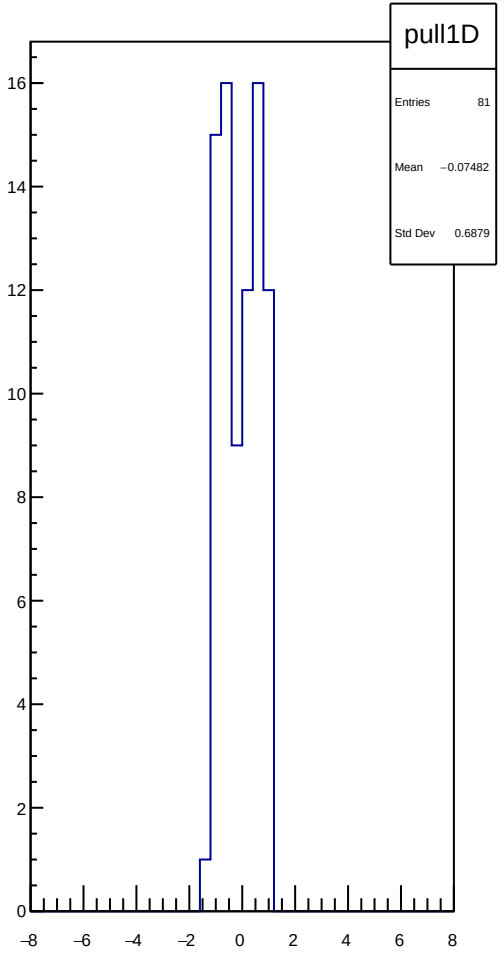

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 66.71 / 80
p0 −64.46 ± 3.493
pull
Entries 81
Mean −60.12
Std Dev 97.1

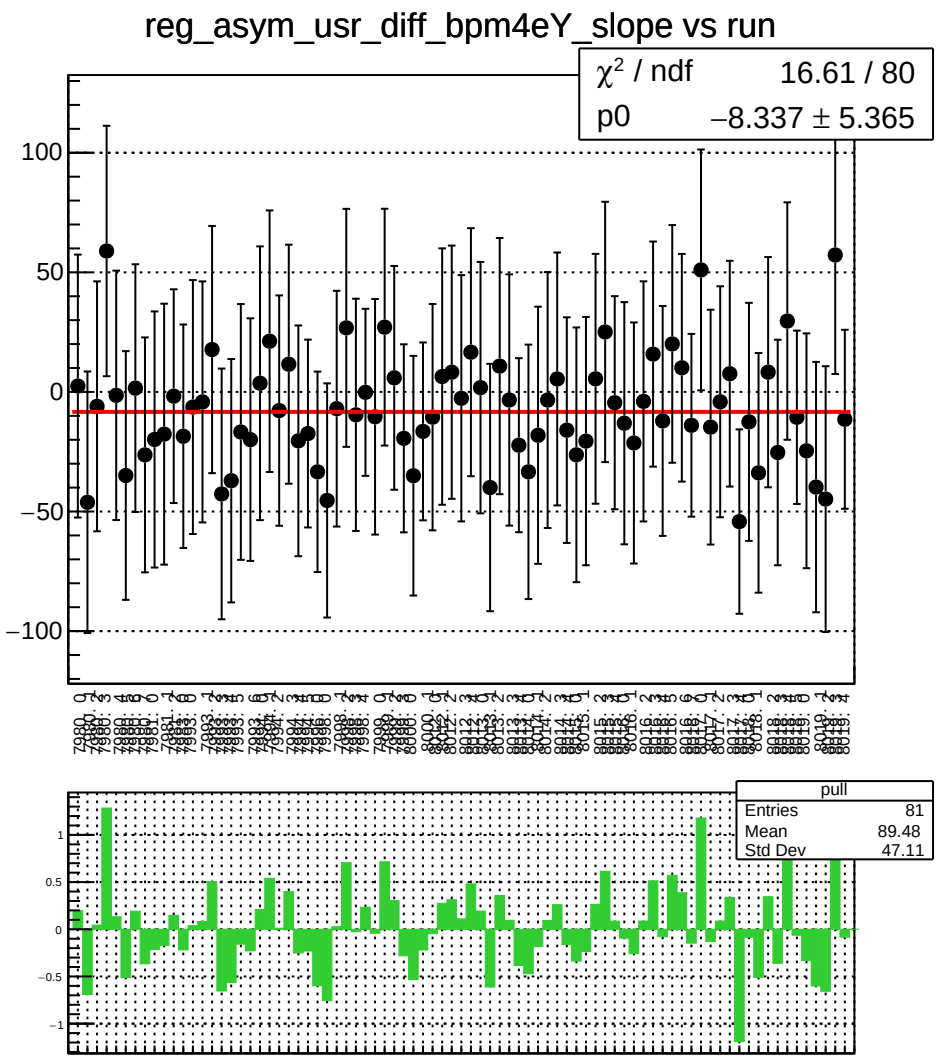

pull1D
Entries 81
Mean 0.157
Std Dev 0.8938

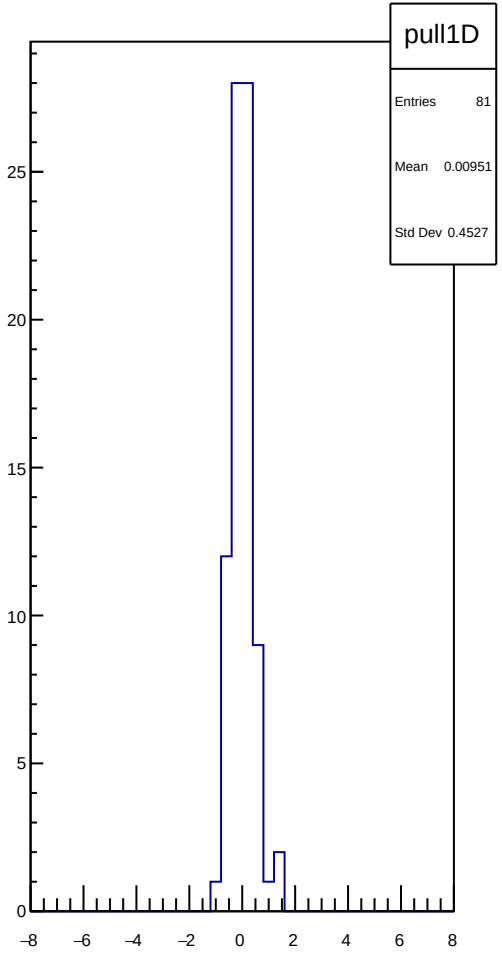

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 16.51 / 80
p0 21.89 ± 4.909
100
50
0
−50
−100
pull
Entries 81
Mean 41.02
Std Dev 24.59
1
0.5
0
−0.5
−1
−1.5

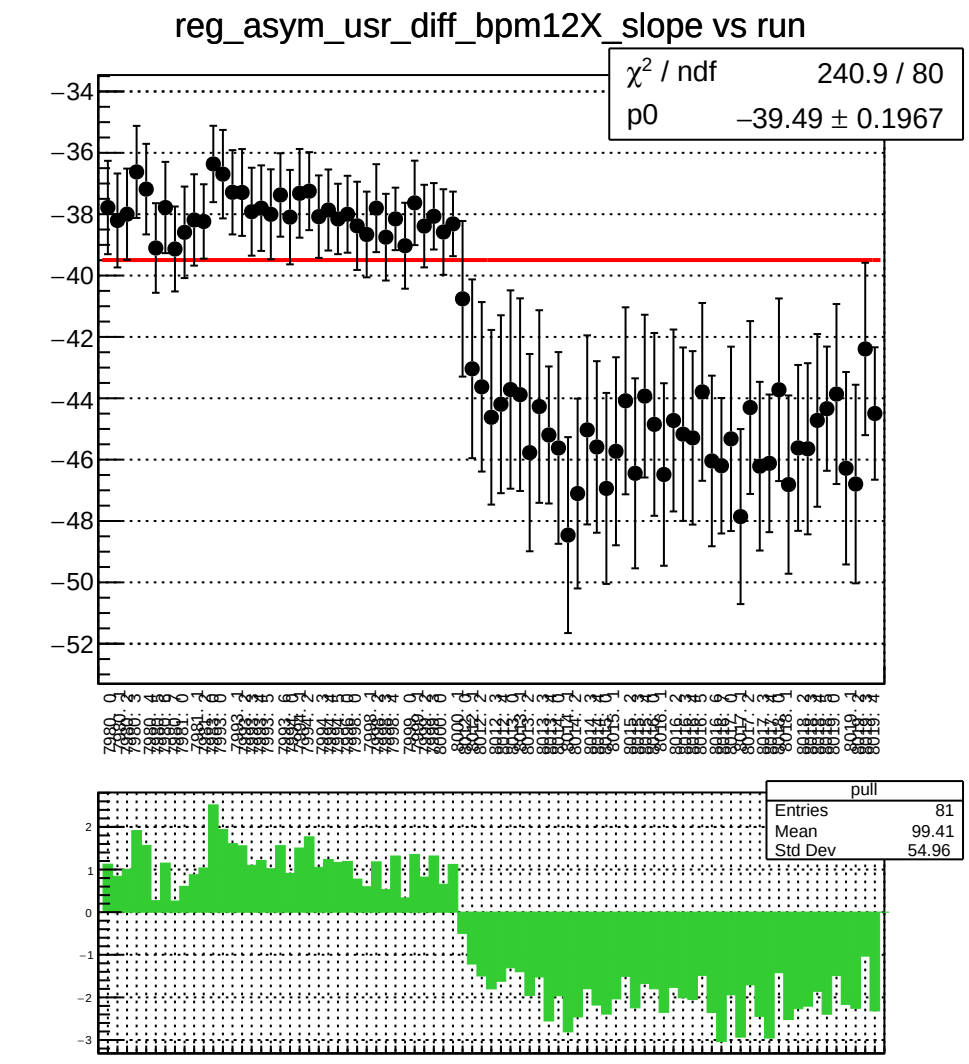

pull1D
Entries 81
Mean −0.01047
Std Dev 0.4514
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

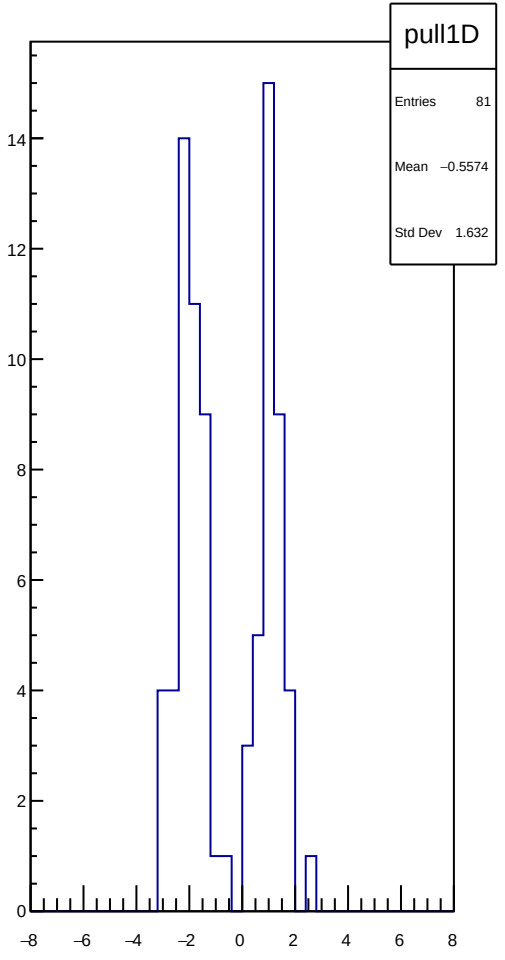

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 38.78 / 80
p0 108.9 ± 3.539
pull
Entries 81
Mean −110.8
Std Dev 148.4

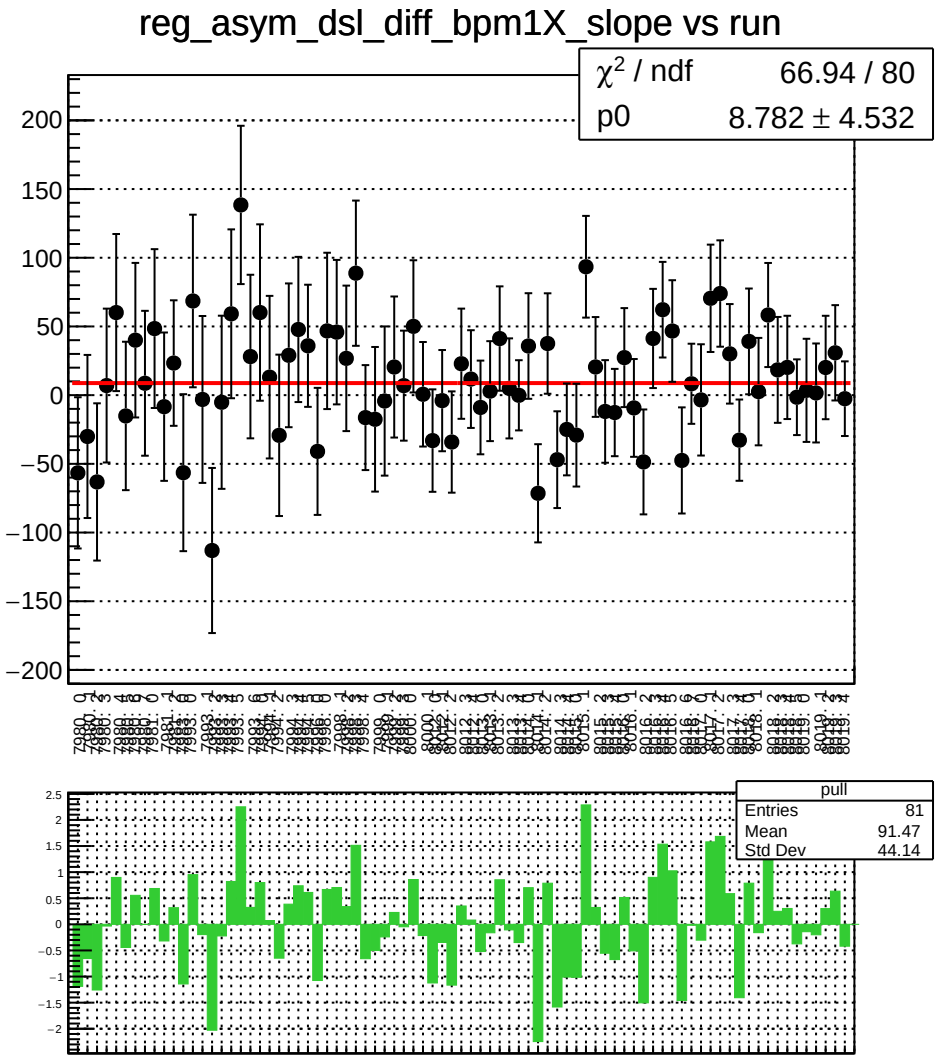

pull1D
Entries 81
Mean −0.07482
Std Dev 0.6879

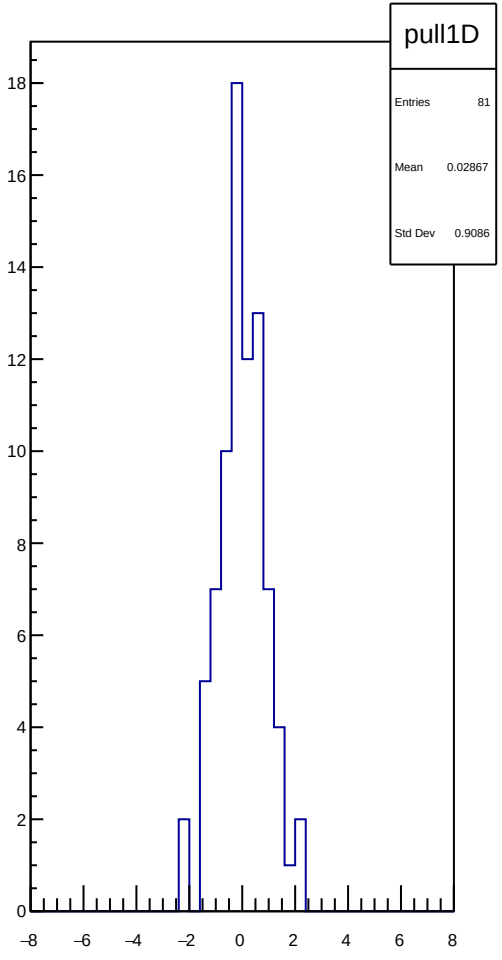

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 16.61 / 80
p0 −8.337 ± 5.365
100
50
0
−50
−100
pull
Entries 81
Mean 89.48
Std Dev 47.11
1
0.5
0
−0.5
−1

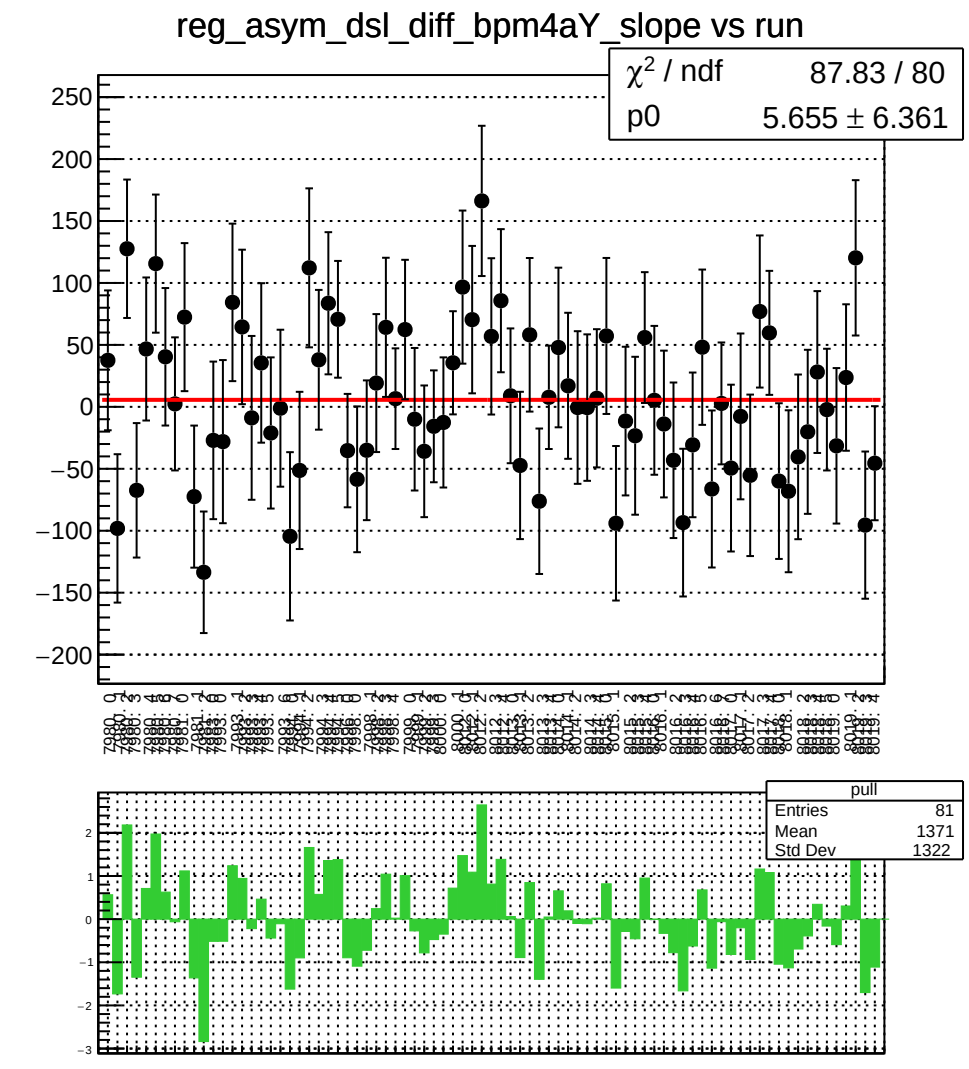

pull1D
Entries 81
Mean 0.00951
Std Dev 0.4527
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

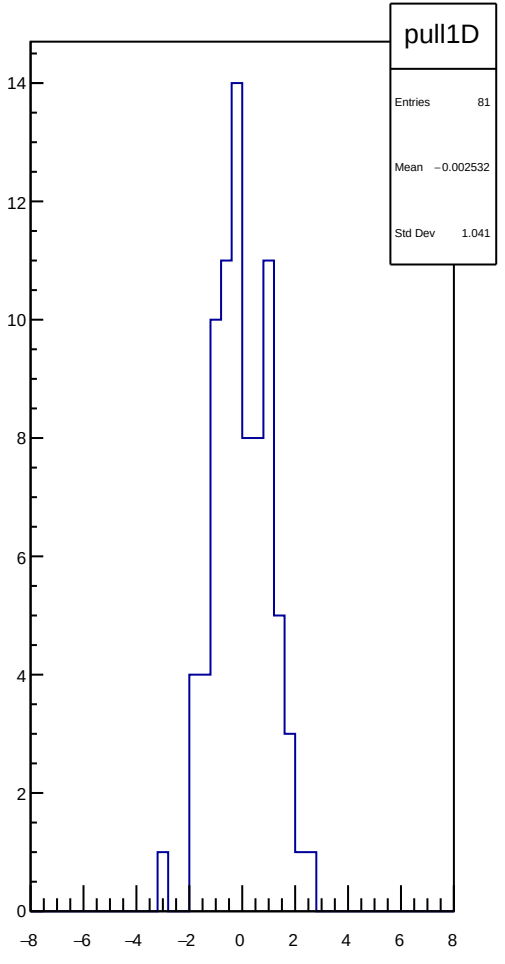

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 240.9 / 80
p0 −39.49 ± 0.1967
pull
Entries 81
Mean 99.41
Std Dev 54.96

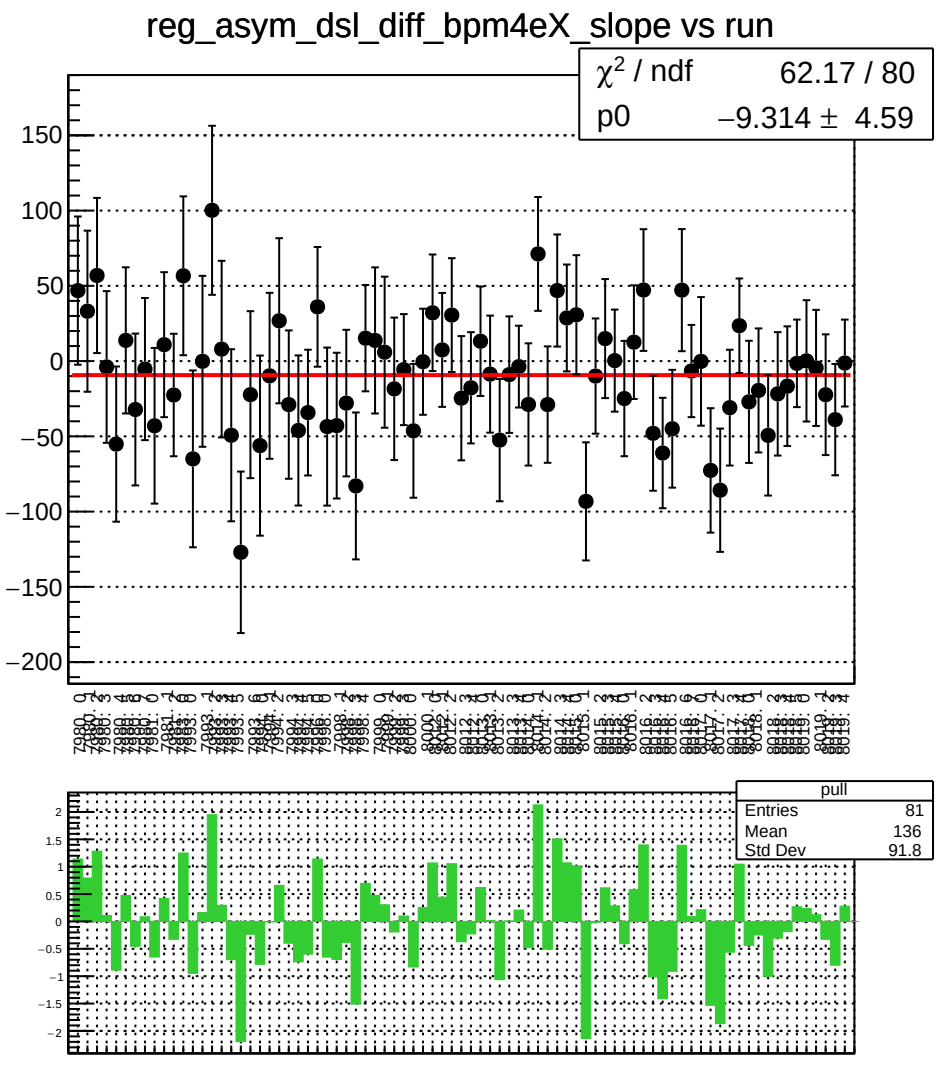

pull1D
Entries 81
Mean −0.5574
Std Dev 1.632

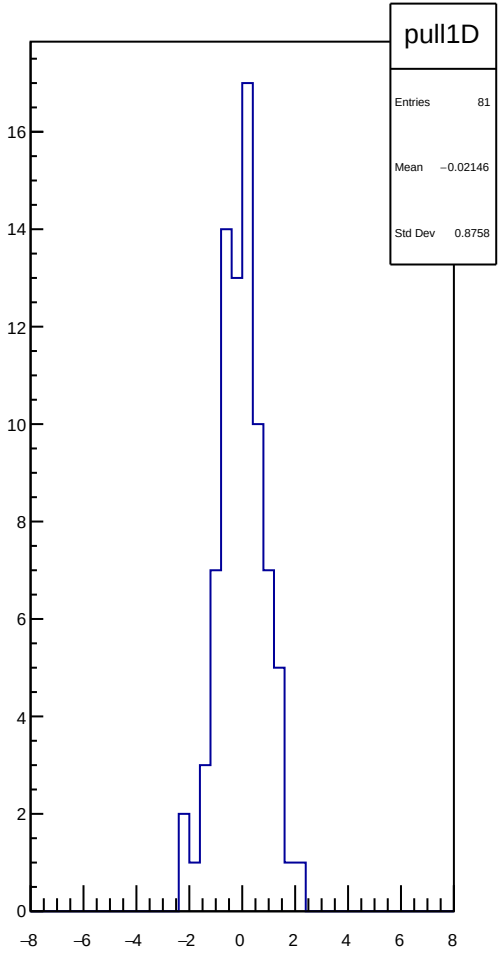

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 66.94 / 80
p0 8.782 ± 4.532
pull
Entries 81
Mean 91.47
Std Dev 44.14

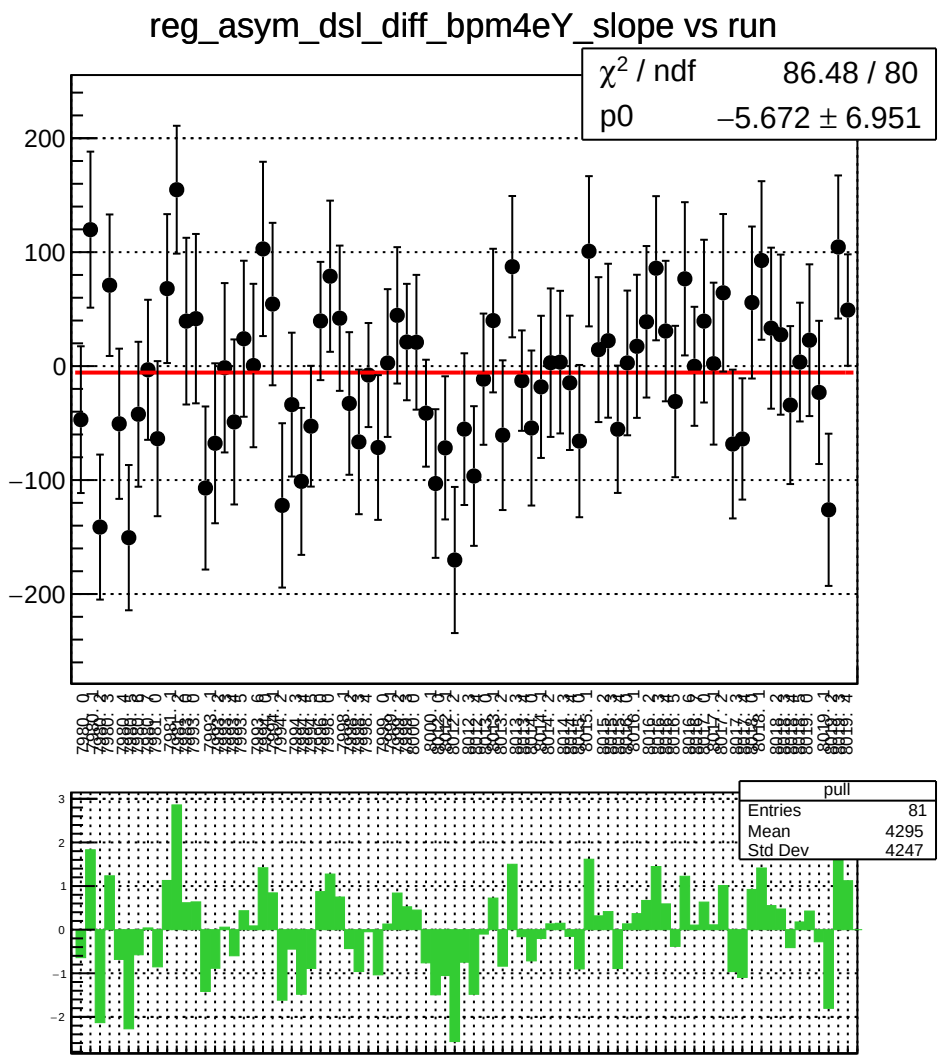

pull1D
Entries 81
Mean 0.02867
Std Dev 0.9086

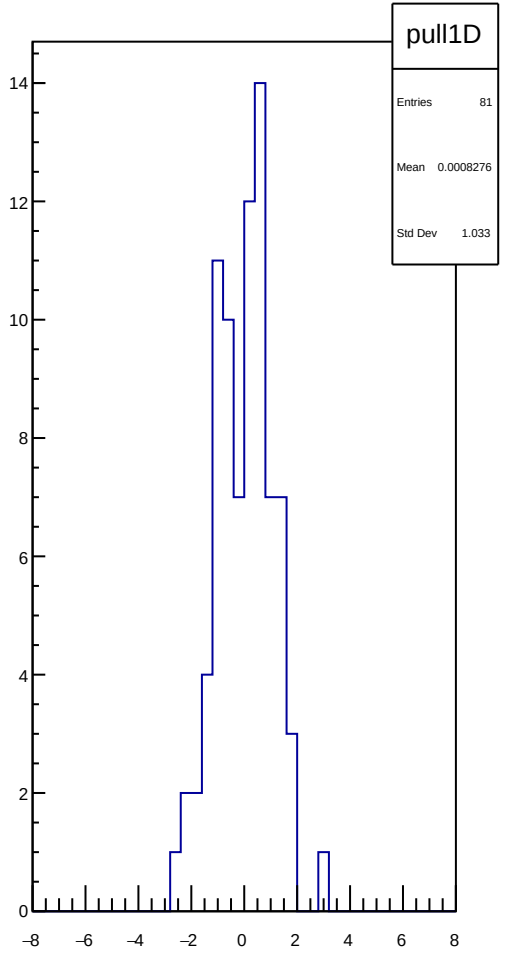

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 87.83 / 80
p0 5.655 ± 6.361
pull
Entries 81
Mean 1371
Std Dev 1322

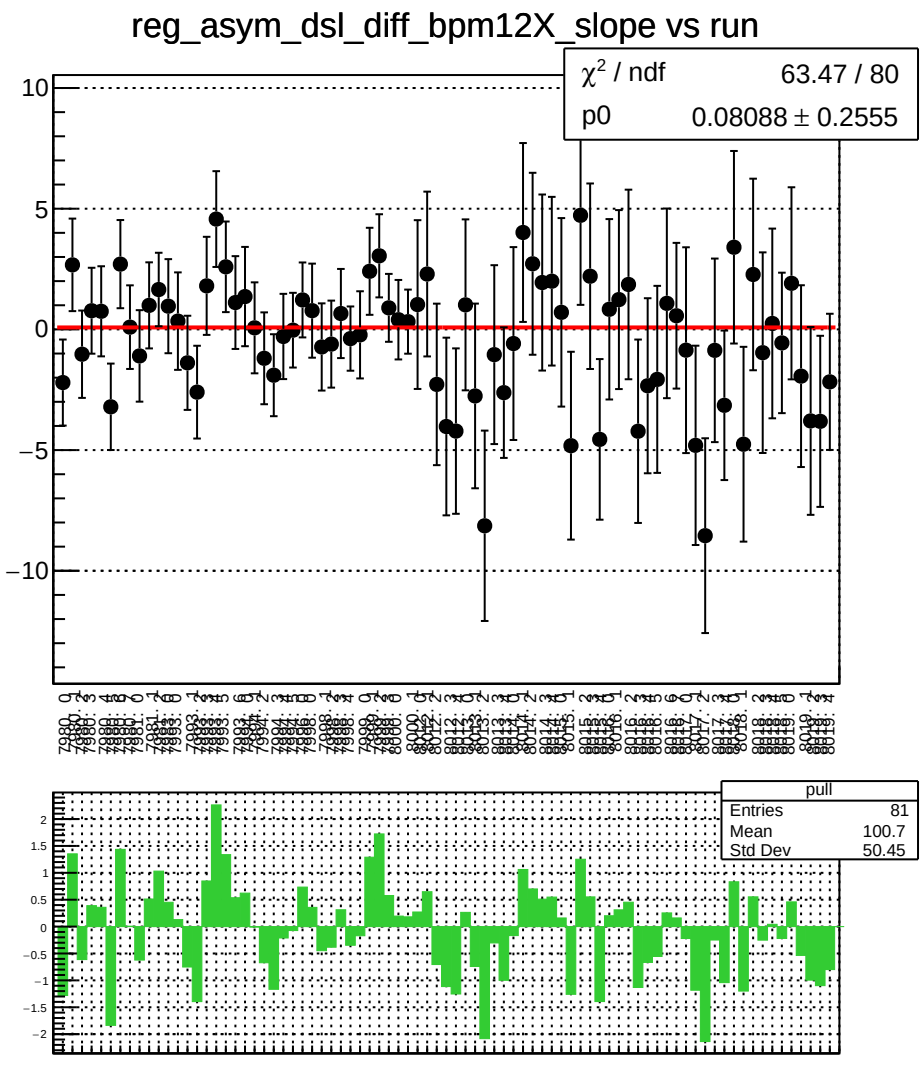

pull1D
Entries 81
Mean −0.002532
Std Dev 1.041

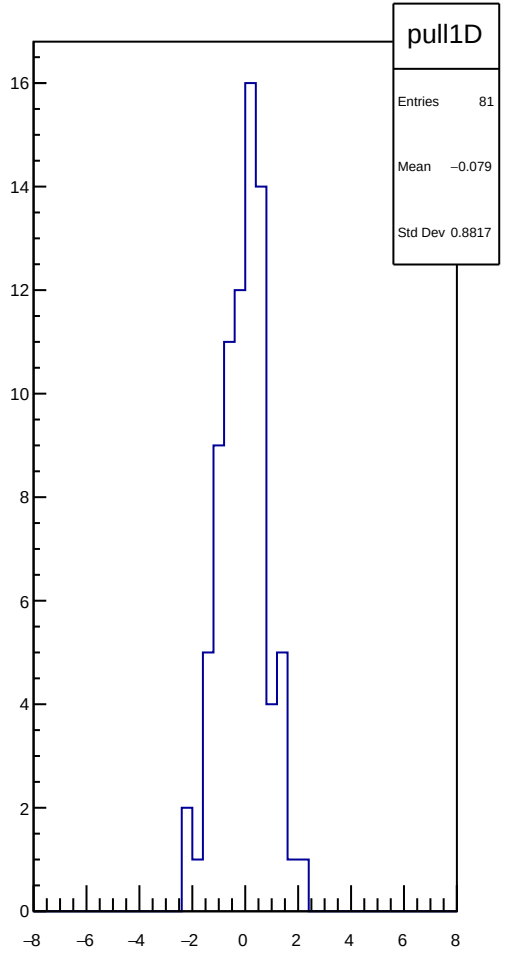

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 62.17 / 80
p0 −9.314 ± 4.59
pull
Entries 81
Mean 136
Std Dev 91.8

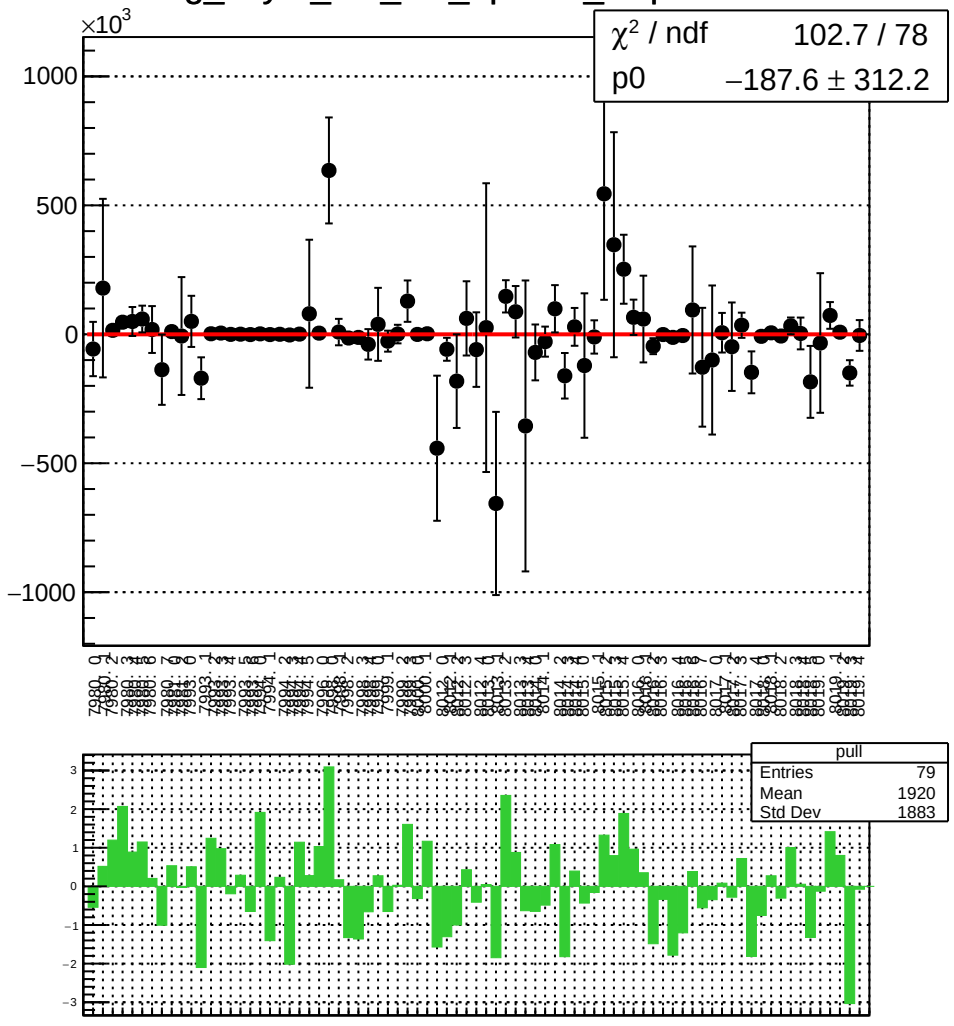

pull1D
Entries 81
Mean −0.02146
Std Dev 0.8758

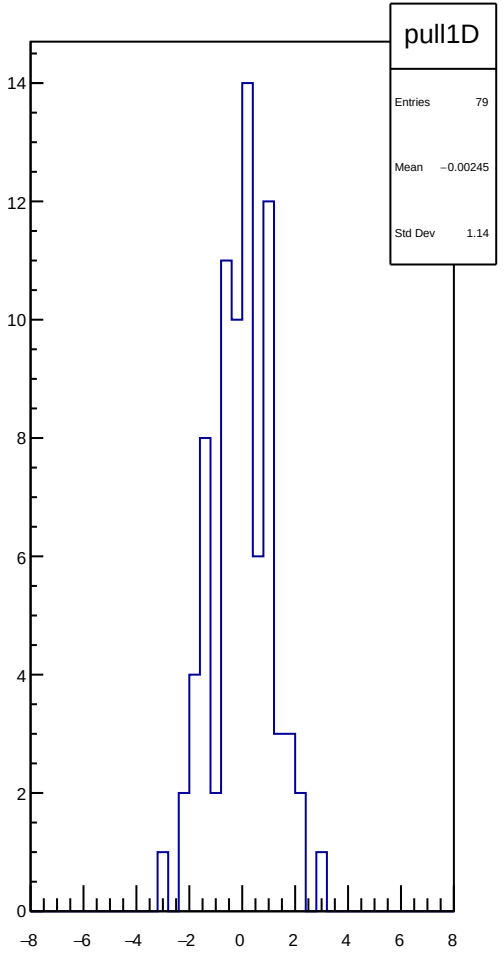

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 86.48 / 80
p0 −5.672 ± 6.951
200
100
0
−100
−200
pull
Entries 81
Mean 4295
Std Dev 4247
3
2
1
0
−1
−2

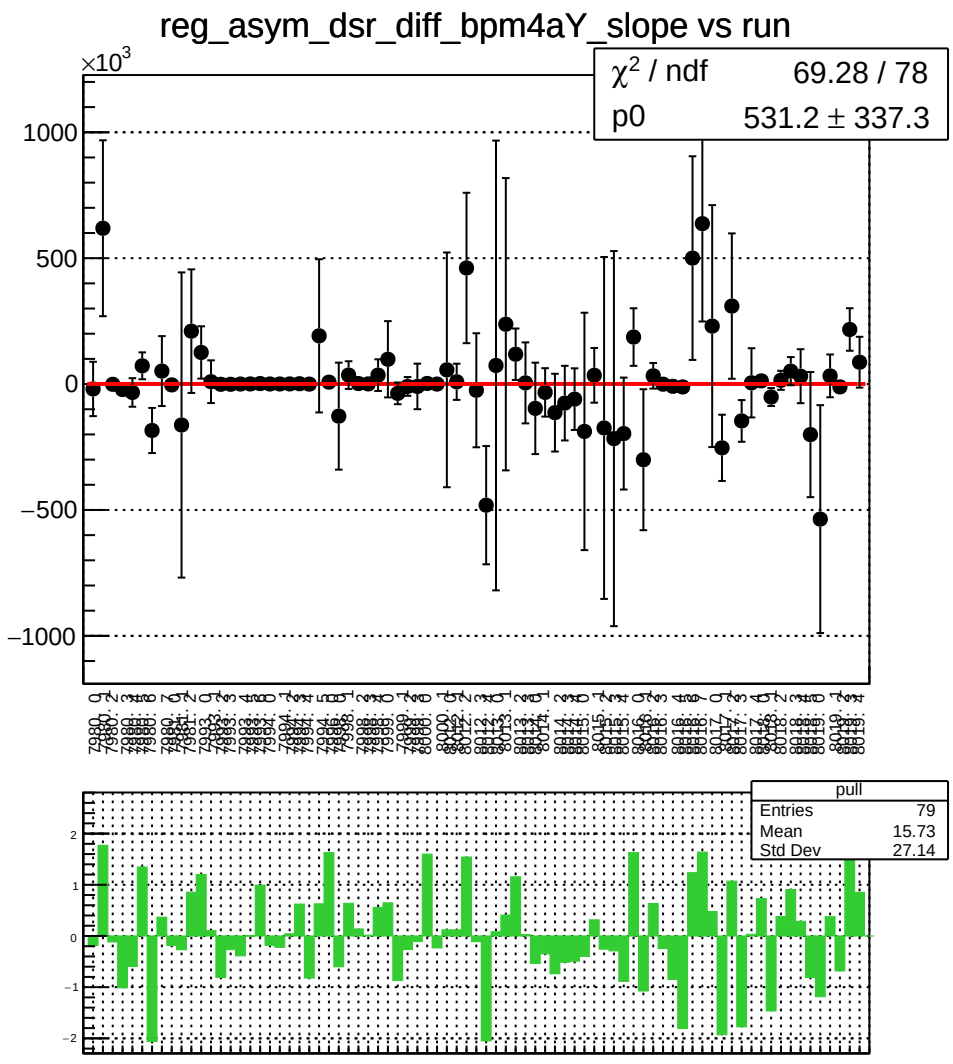

pull1D
Entries 81
Mean 0.0008276
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

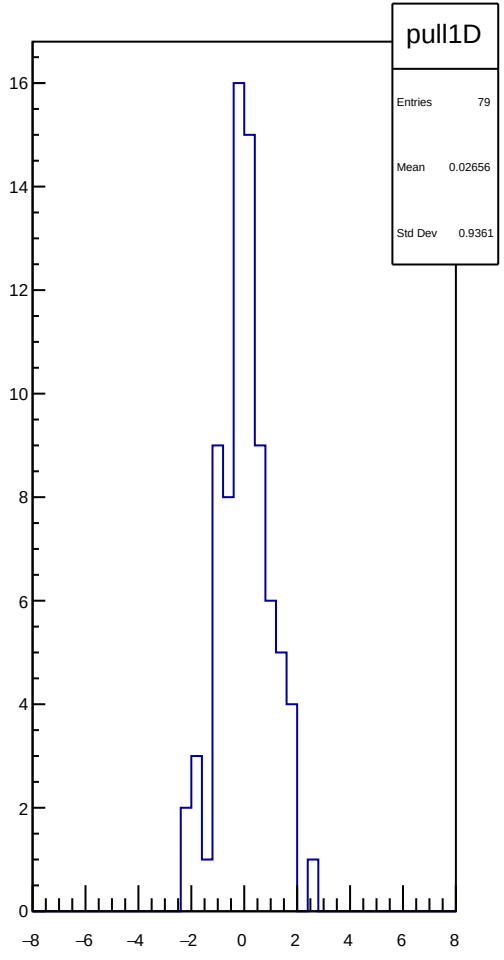

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 63.47 / 80
p0 0.08088 ± 0.2555
pull
Entries 81
Mean 100.7
Std Dev 50.45

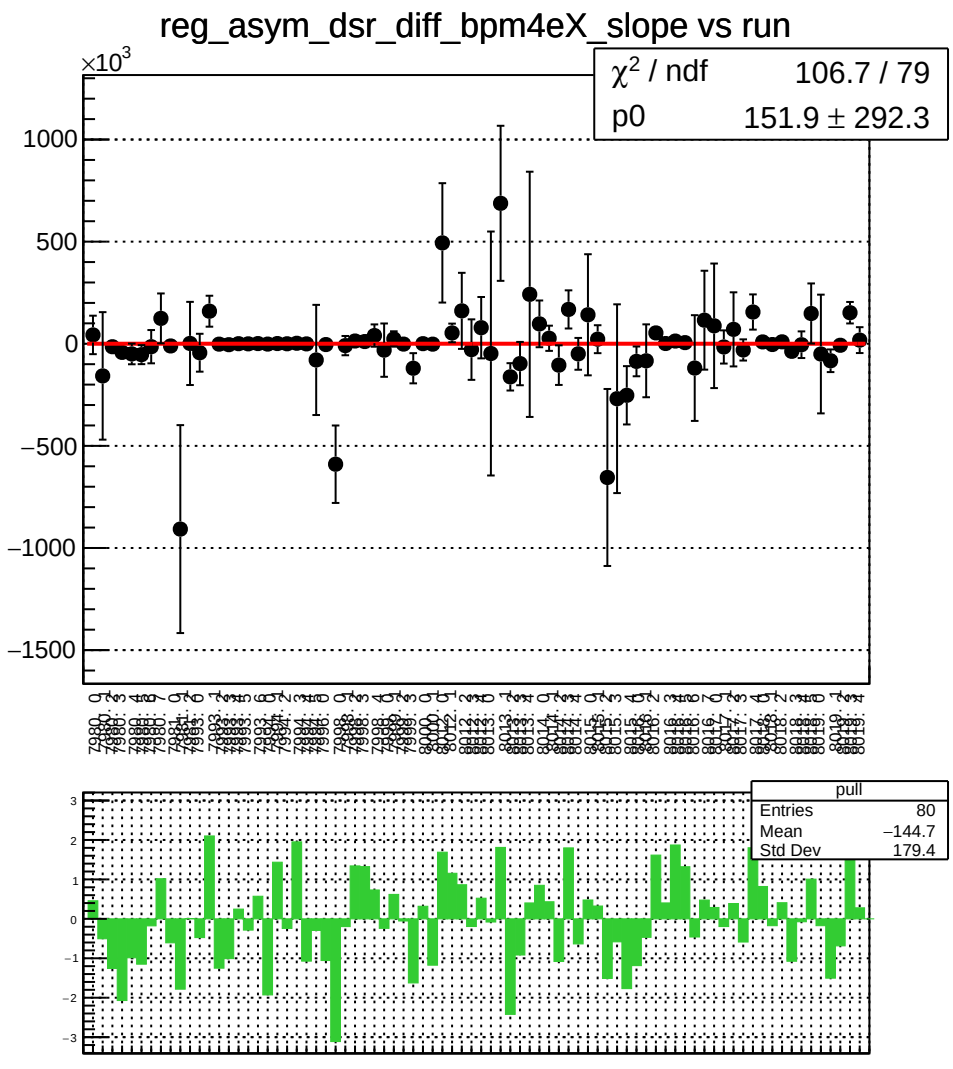

pull1D
Entries 81
Mean −0.079
Std Dev 0.8817

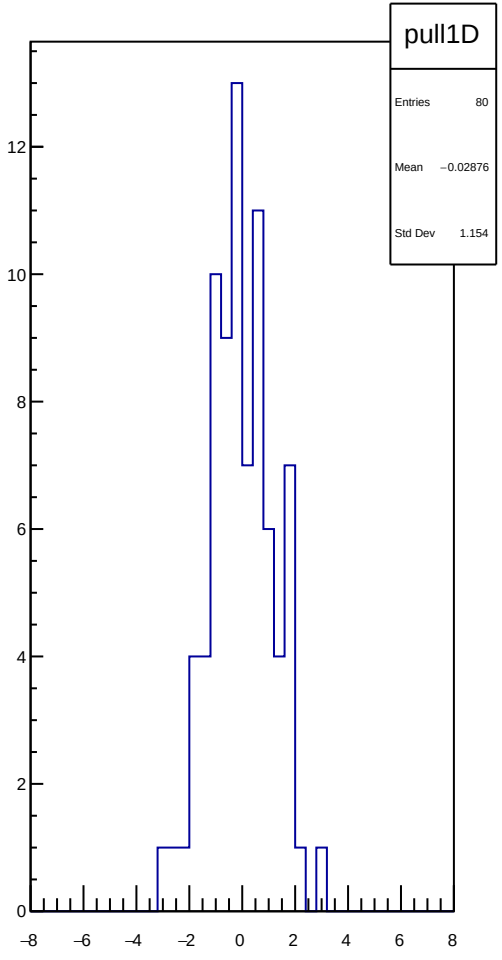

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 102.7 / 78
p0 −187.6 ± 312.2
pull
Entries 79
Mean 1920
Std Dev 1883

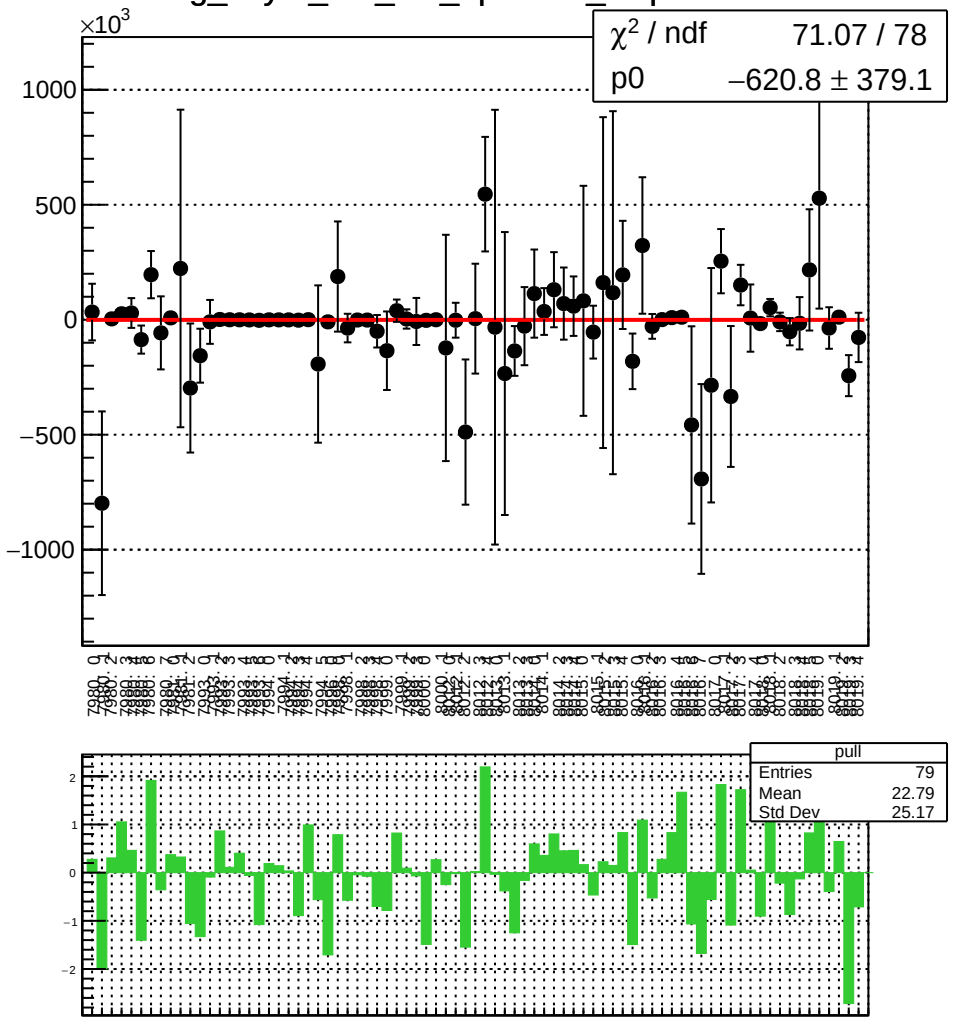

pull1D
Entries 79
Mean −0.00245
Std Dev 1.14

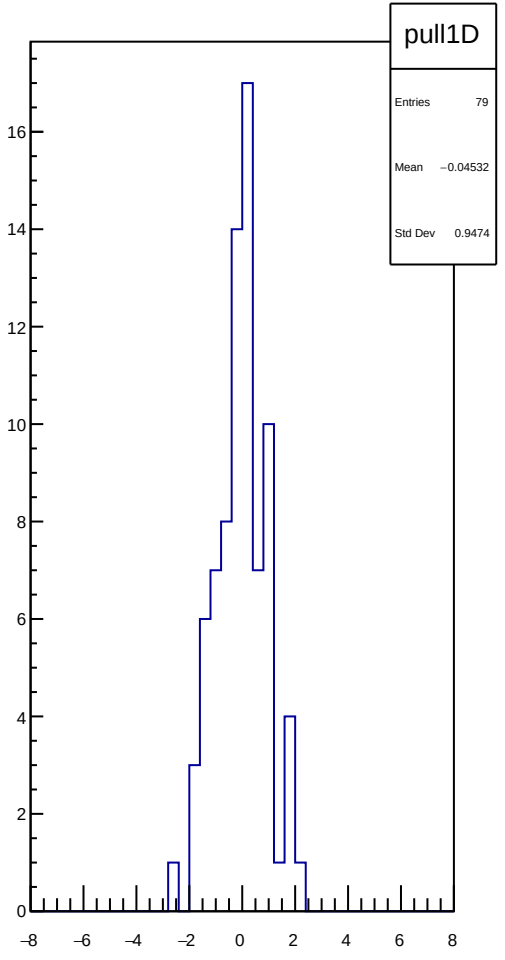

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 69.28 / 78
p0 531.2 ± 337.3
1000
500
0
−500
−1000
pull
Entries 79
Mean 15.73
Std Dev 27.14
2
1
0
−1
−2

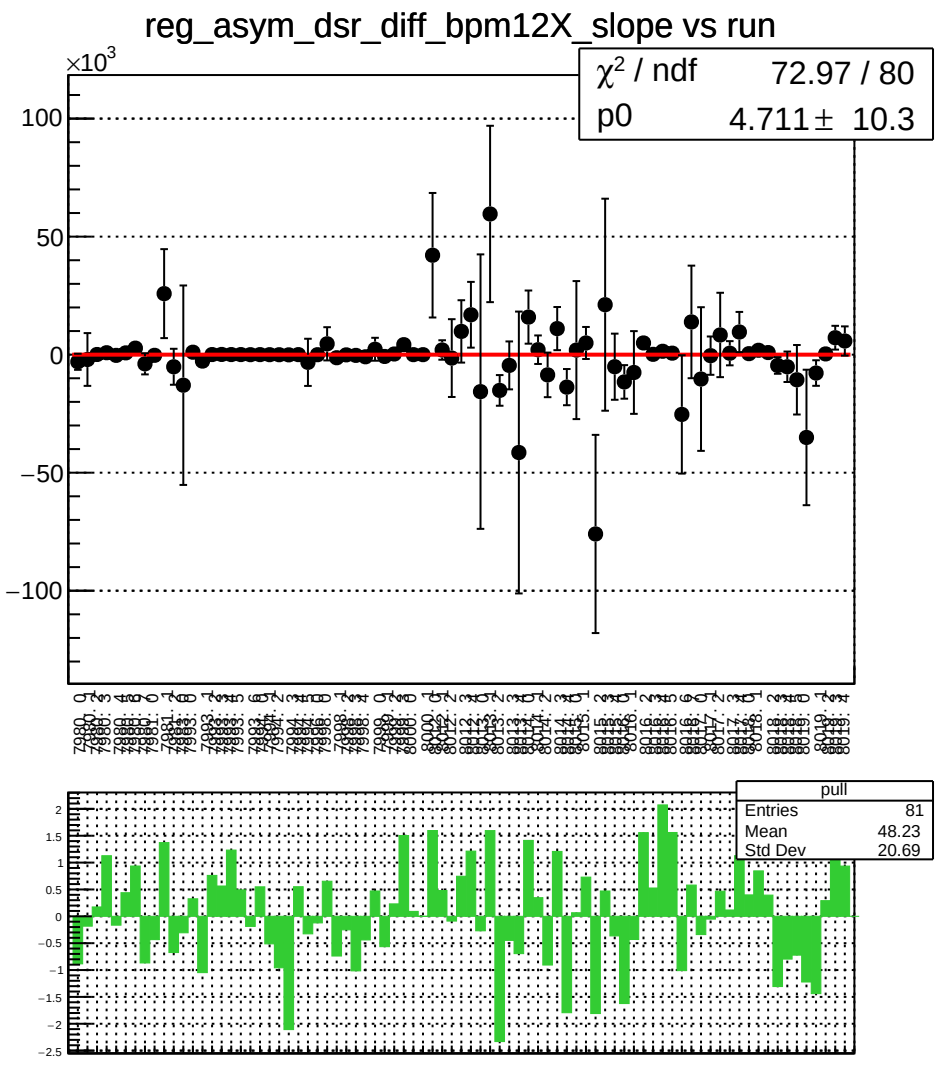

pull1D
Entries 79
Mean 0.02656
Std Dev 0.9361
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

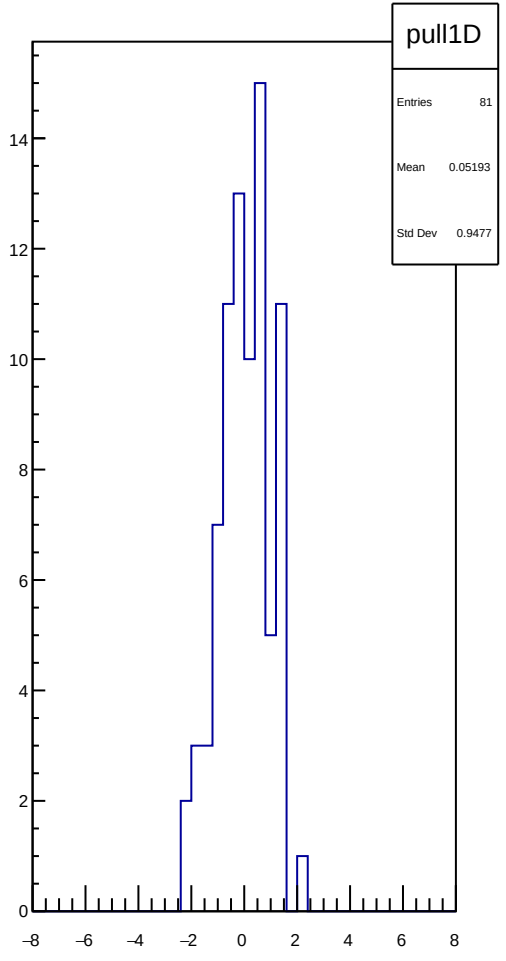

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 106.7 / 79
p0 151.9 ± 292.3
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean −144.7
Std Dev 179.4
3
2
1
0
−1
−2
−3

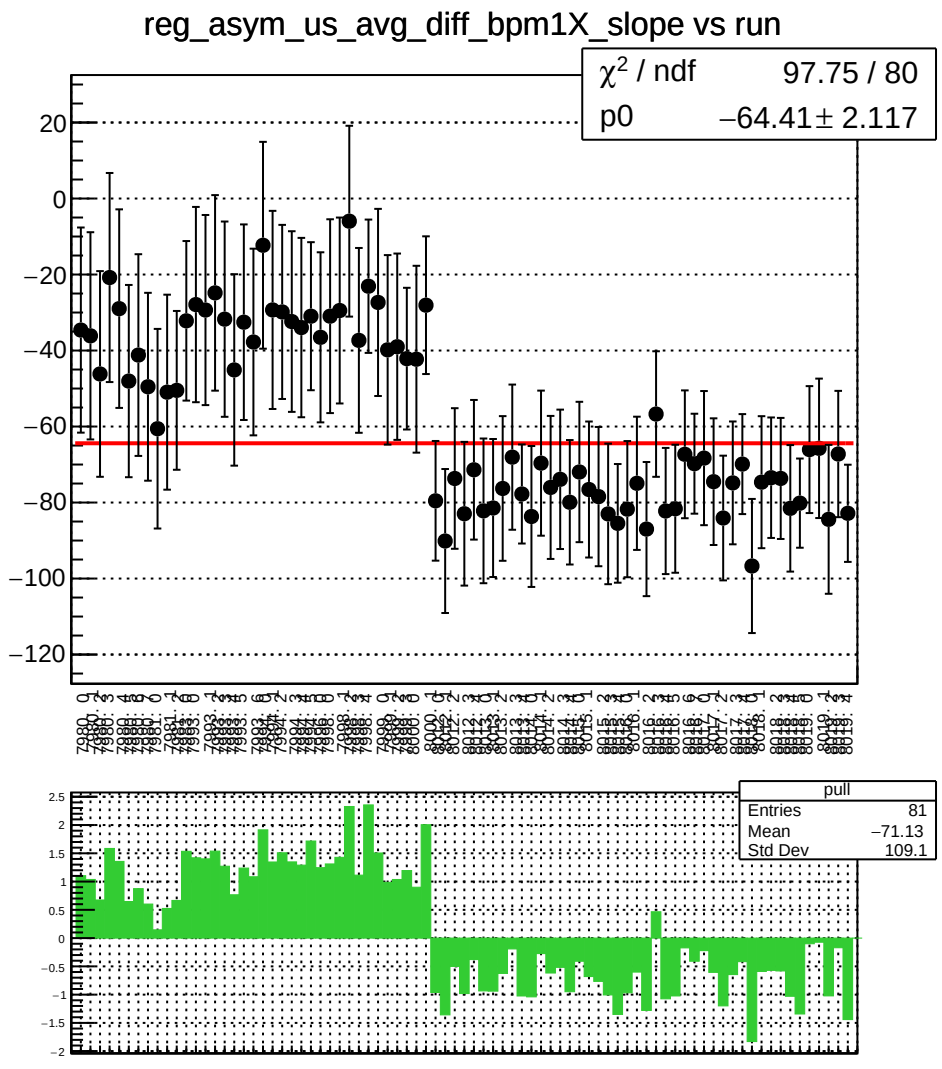

pull1D
Entries 80
Mean −0.02876
Std Dev 1.154
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

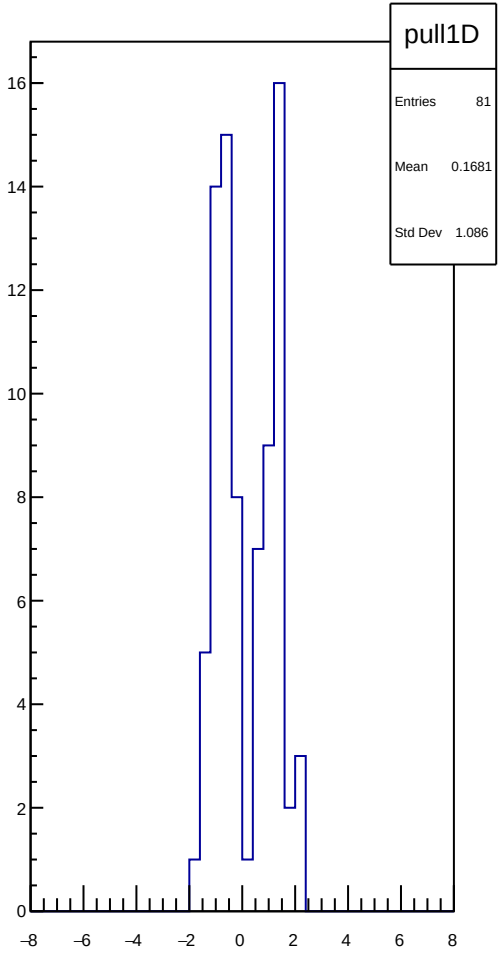

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 71.07 / 78
p0 −620.8 ± 379.1
1000
500
0
−500
−1000
pull
Entries 79
Mean 22.79
Std Dev 25.17
2
1
0
−1
−2

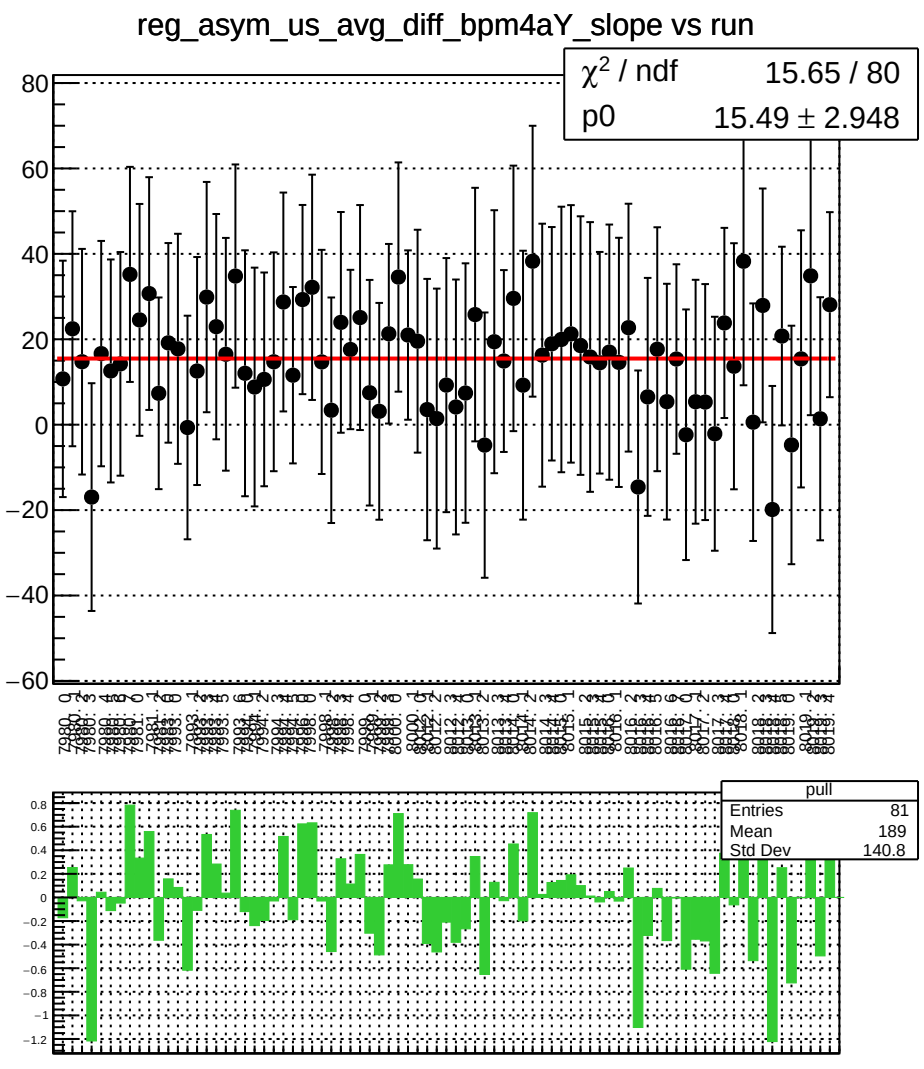

pull1D
Entries 79
Mean −0.04532
Std Dev 0.9474
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

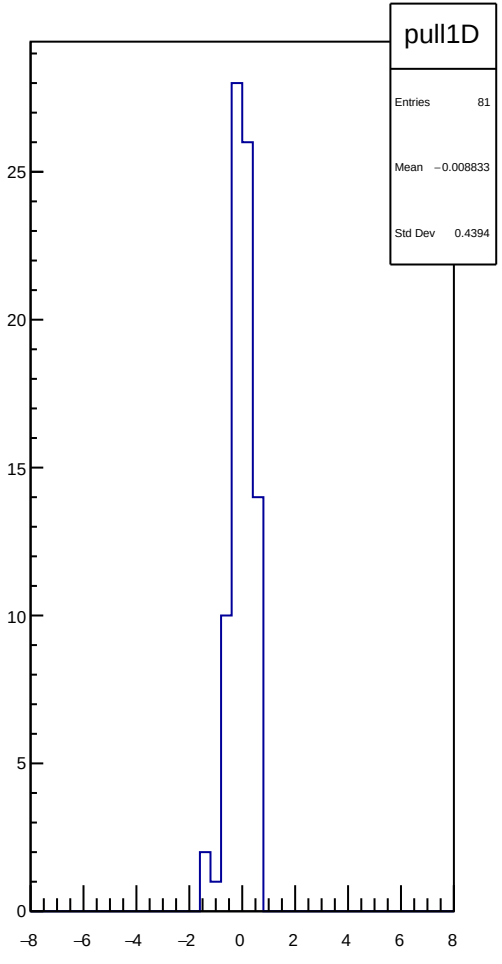

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 72.97 / 80
p0 4.711 ± 10.3
100
50
0
−50
−100
pull
Entries 81
Mean 48.23
Std Dev 20.69
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

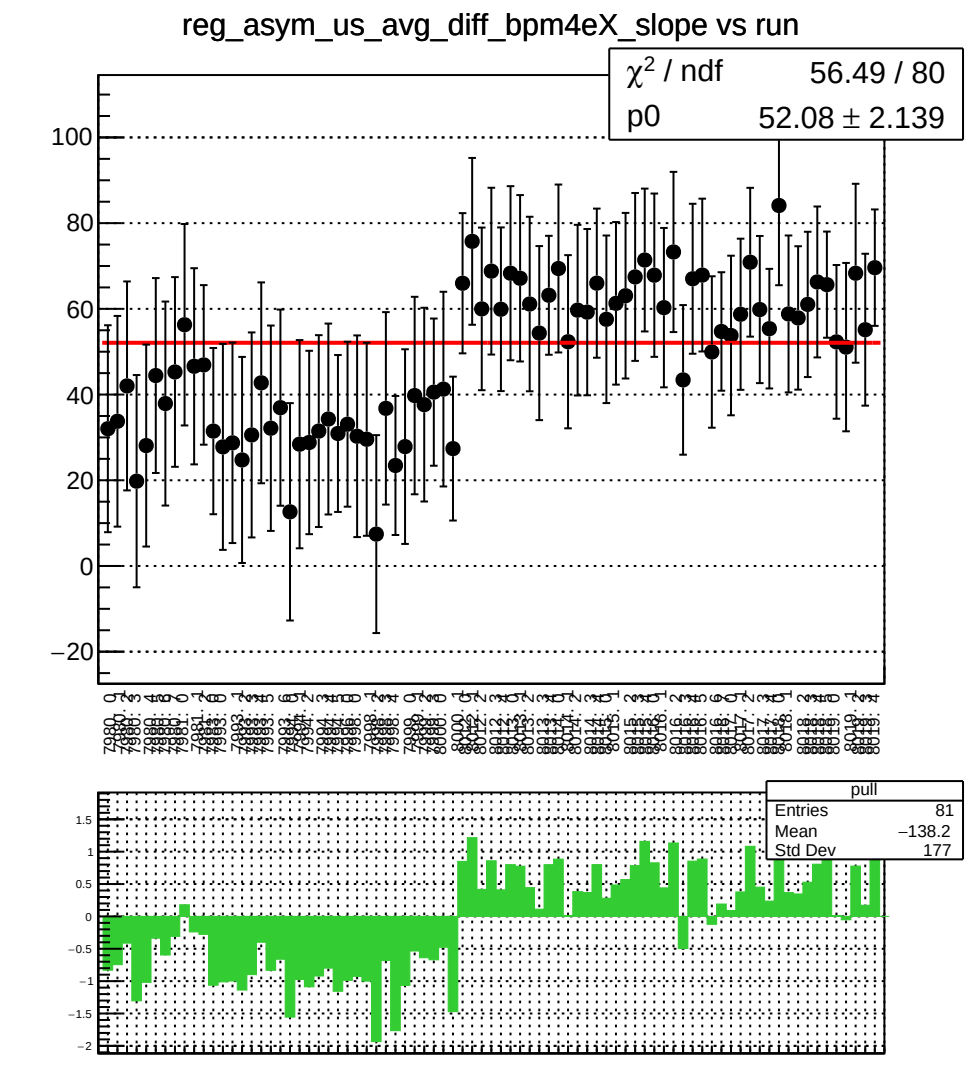

pull1D
Entries 81
Mean 0.05193
Std Dev 0.9477
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

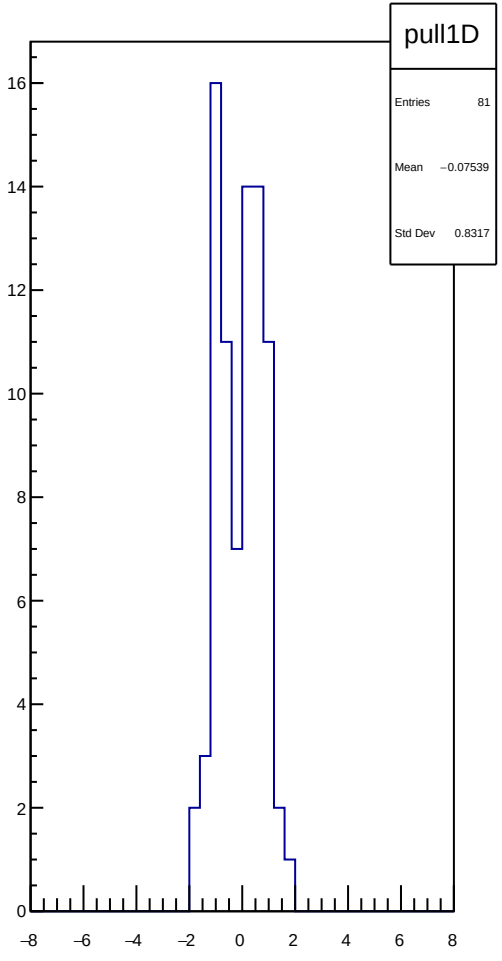

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 97.75 / 80
p0 −64.41 ± 2.117
pull
Entries 81
Mean −71.13
Std Dev 109.1

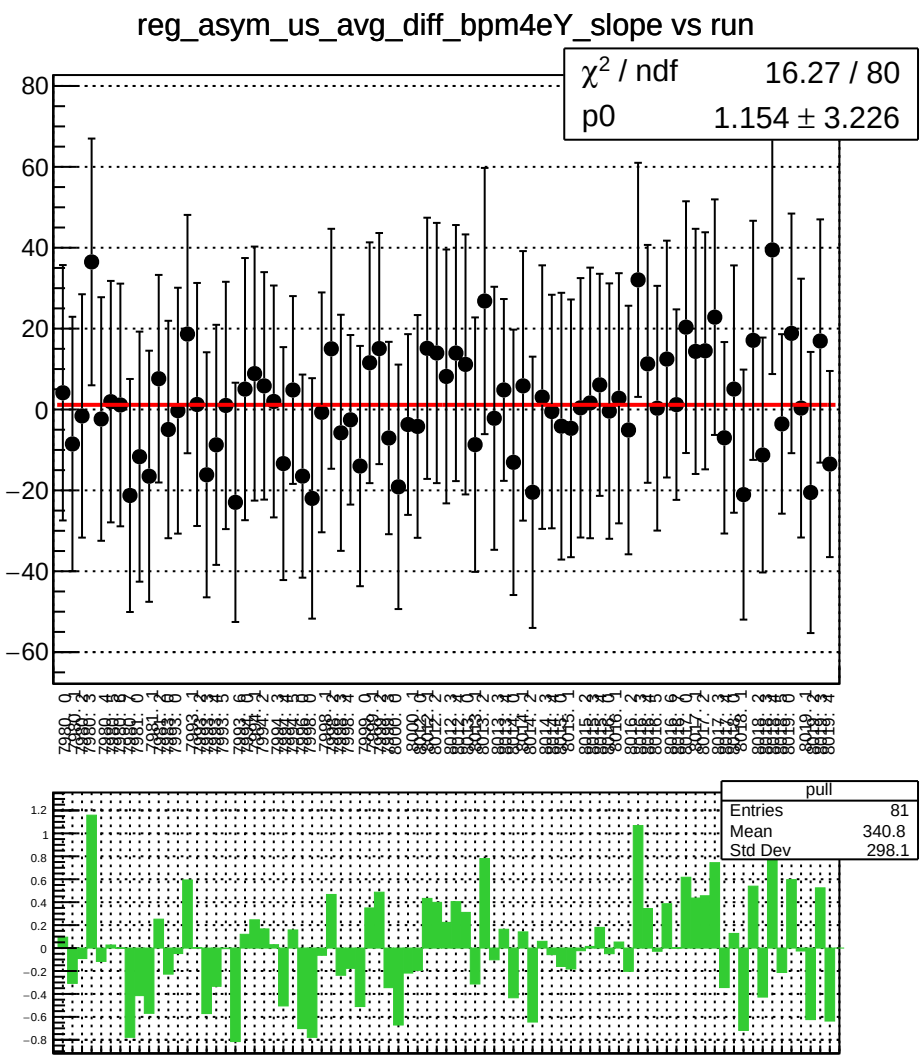

pull1D
Entries 81
Mean 0.1681
Std Dev 1.086

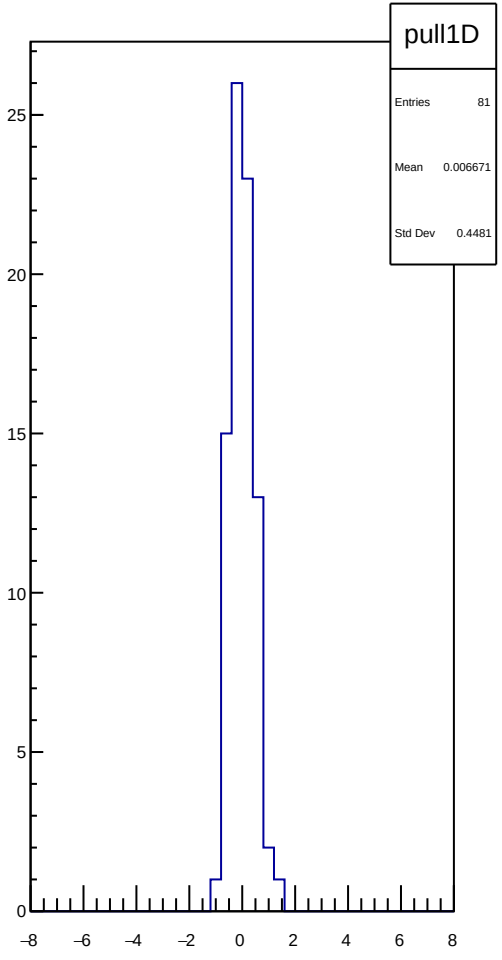

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.65 / 80
p0 15.49 ± 2.948
pull
Entries 81
Mean 189
Std Dev 140.8

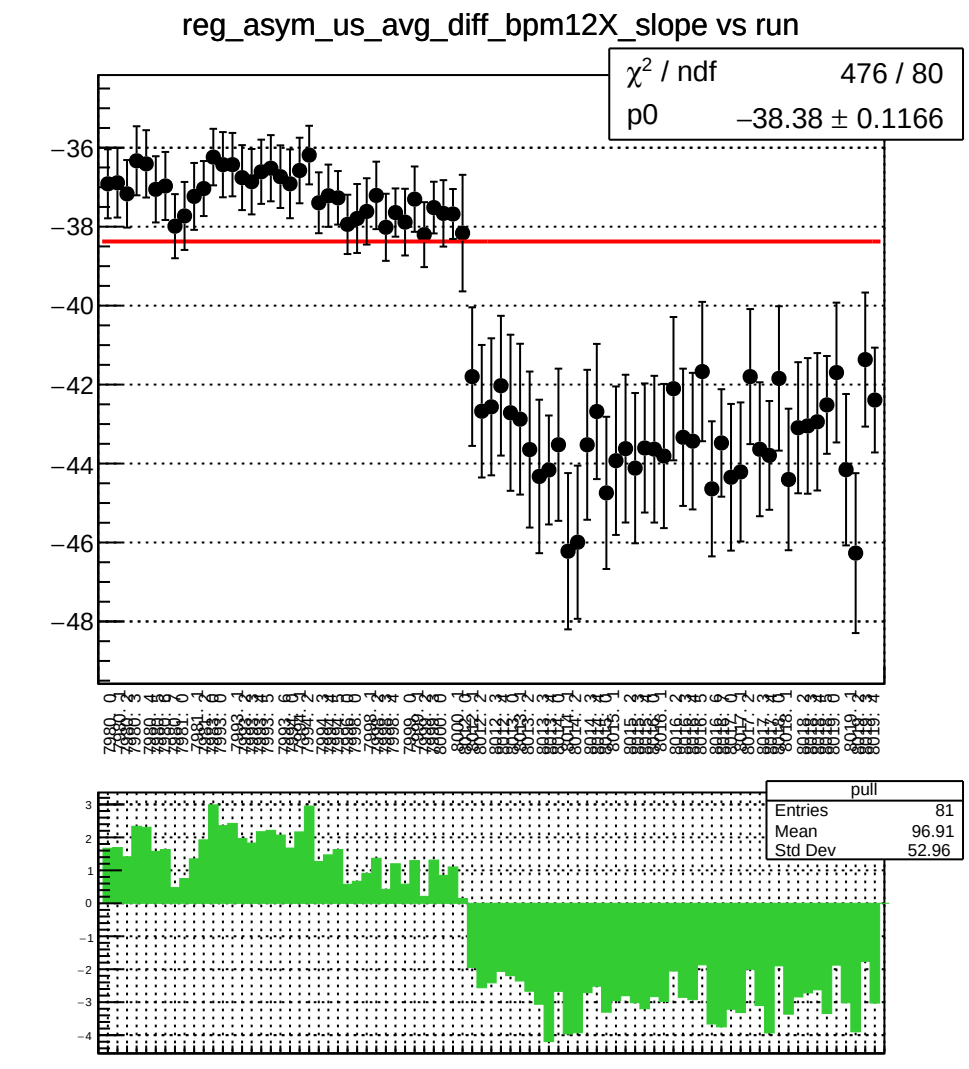

pull1D
Entries 81
Mean −0.008833
Std Dev 0.4394

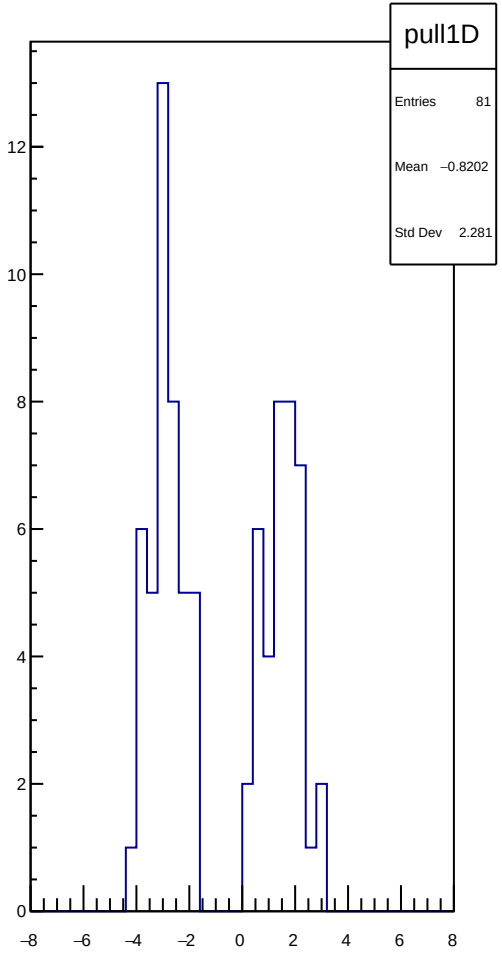

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.49 / 80
p0 52.08 ± 2.139
pull
Entries 81
Mean −138.2
Std Dev 177

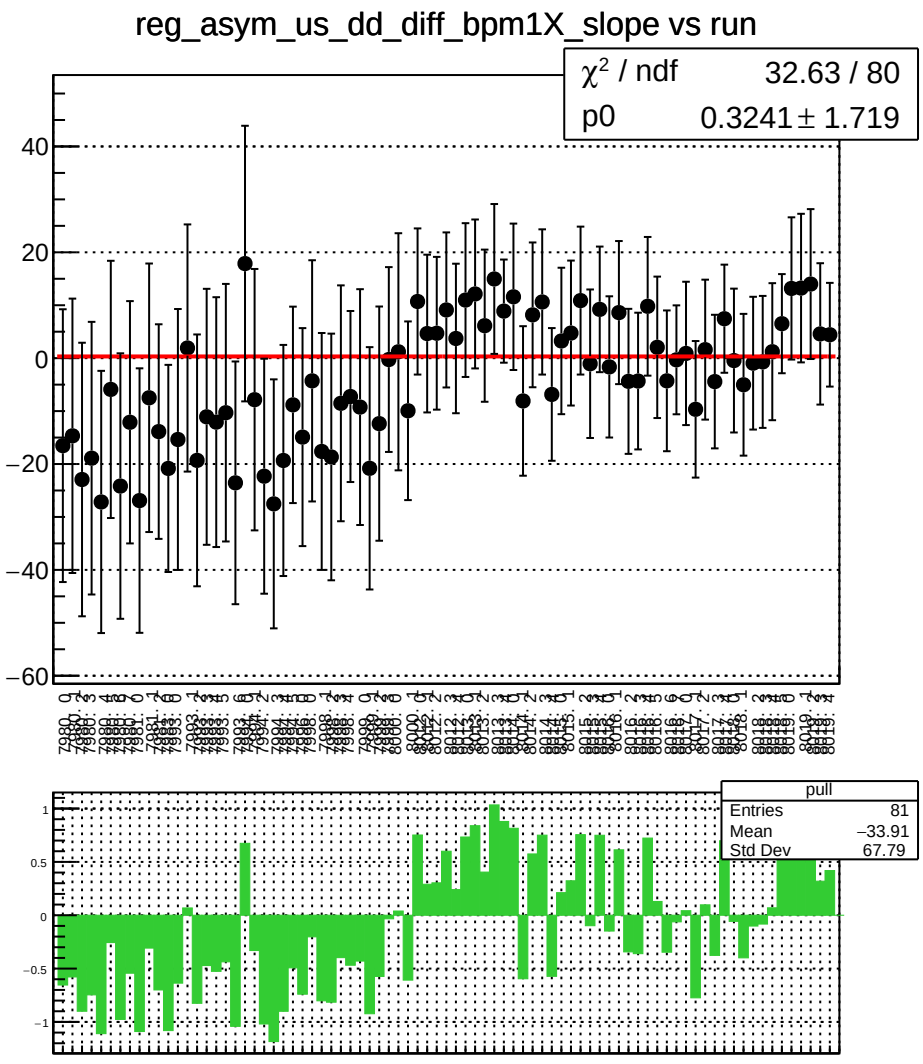

pull1D
Entries 81
Mean −0.07539
Std Dev 0.8317

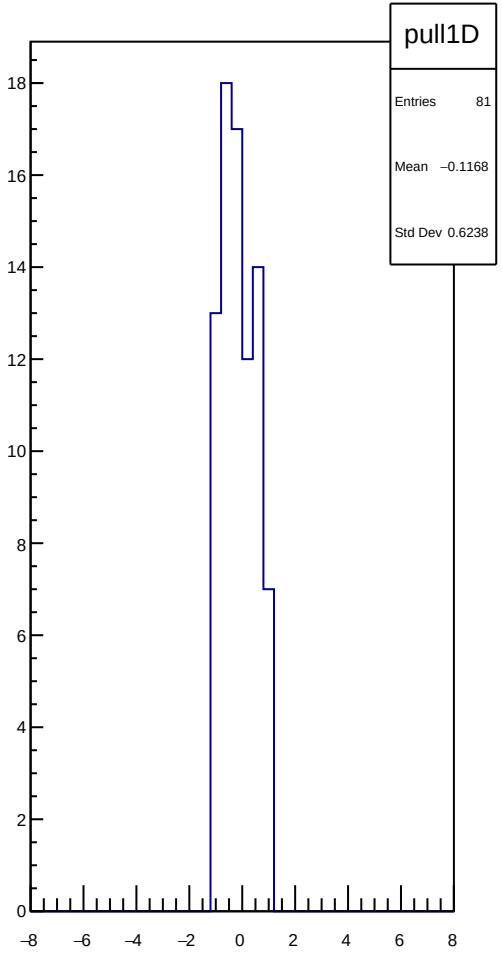

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.27 / 80
p0 1.154 ± 3.226
pull
Entries 81
Mean 340.8
Std Dev 298.1

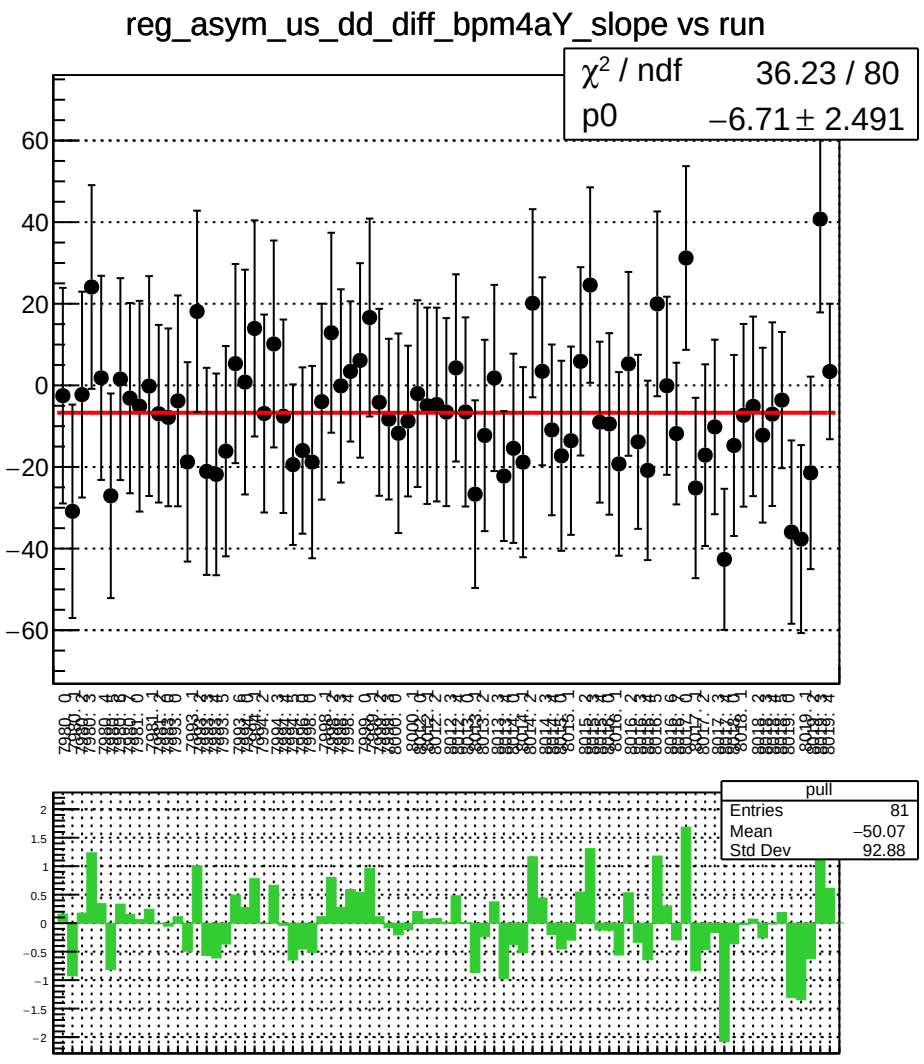

pull1D
Entries 81
Mean 0.006671
Std Dev 0.4481

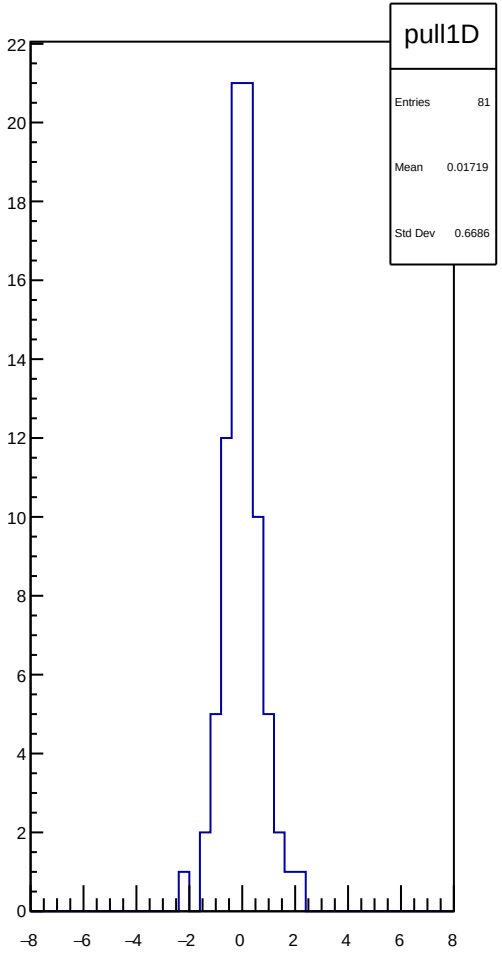

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 476 / 80
p0 −38.38 ± 0.1166
pull
Entries 81
Mean 96.91
Std Dev 52.96

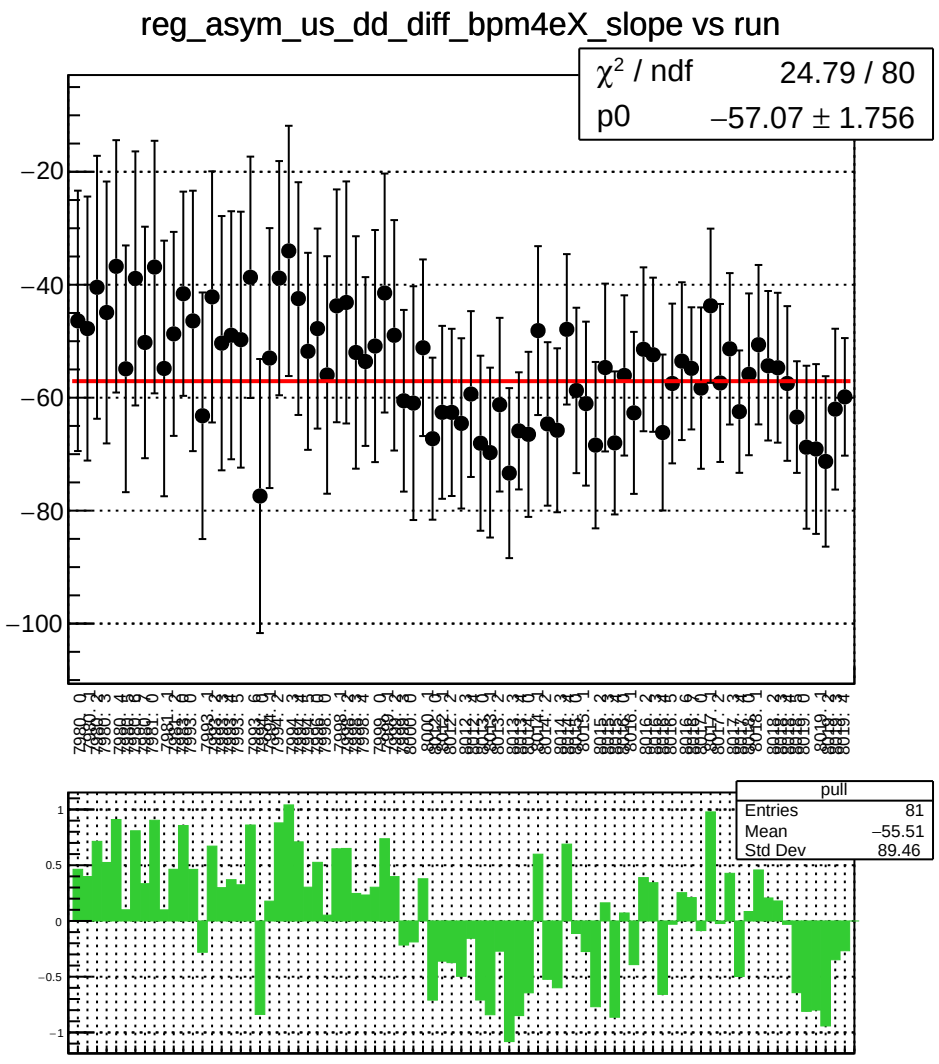

pull1D
Entries 81
Mean −0.8202
Std Dev 2.281

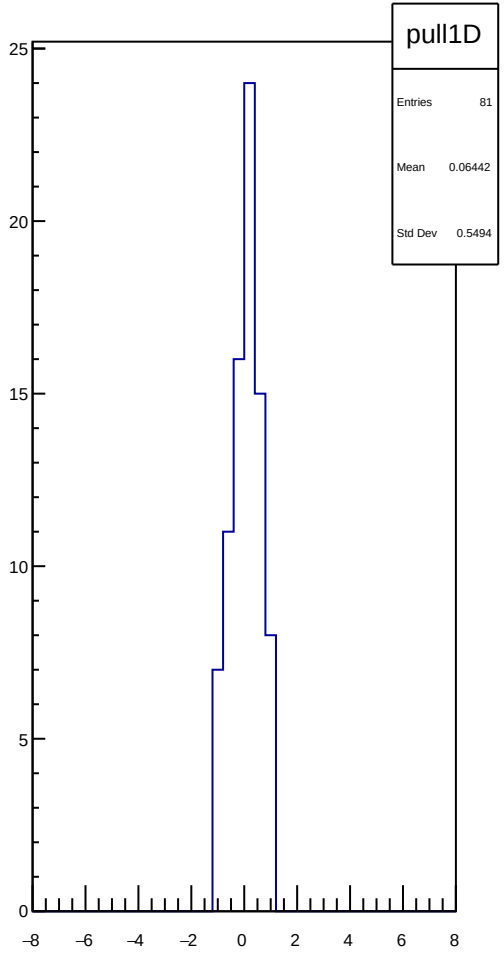

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 32.63 / 80
p0 0.3241 ± 1.719
pull
Entries 81
Mean −33.91
Std Dev 67.79

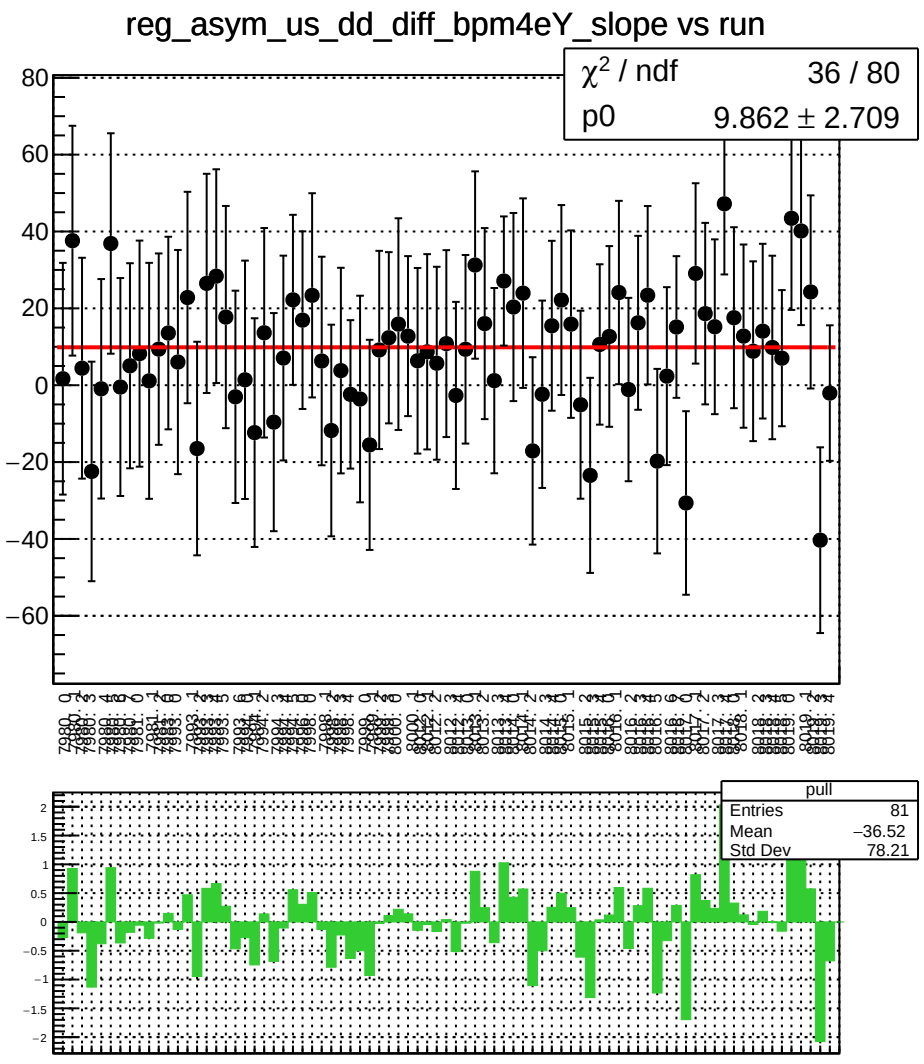

pull1D
Entries 81
Mean −0.1168
Std Dev 0.6238

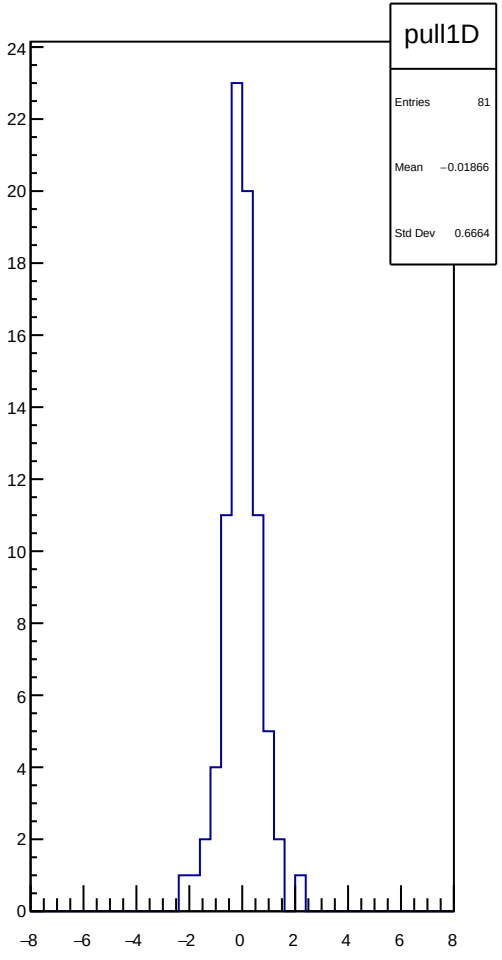

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.23 / 80
p0 −6.71 ± 2.491
pull
Entries 81
Mean −50.07
Std Dev 92.88

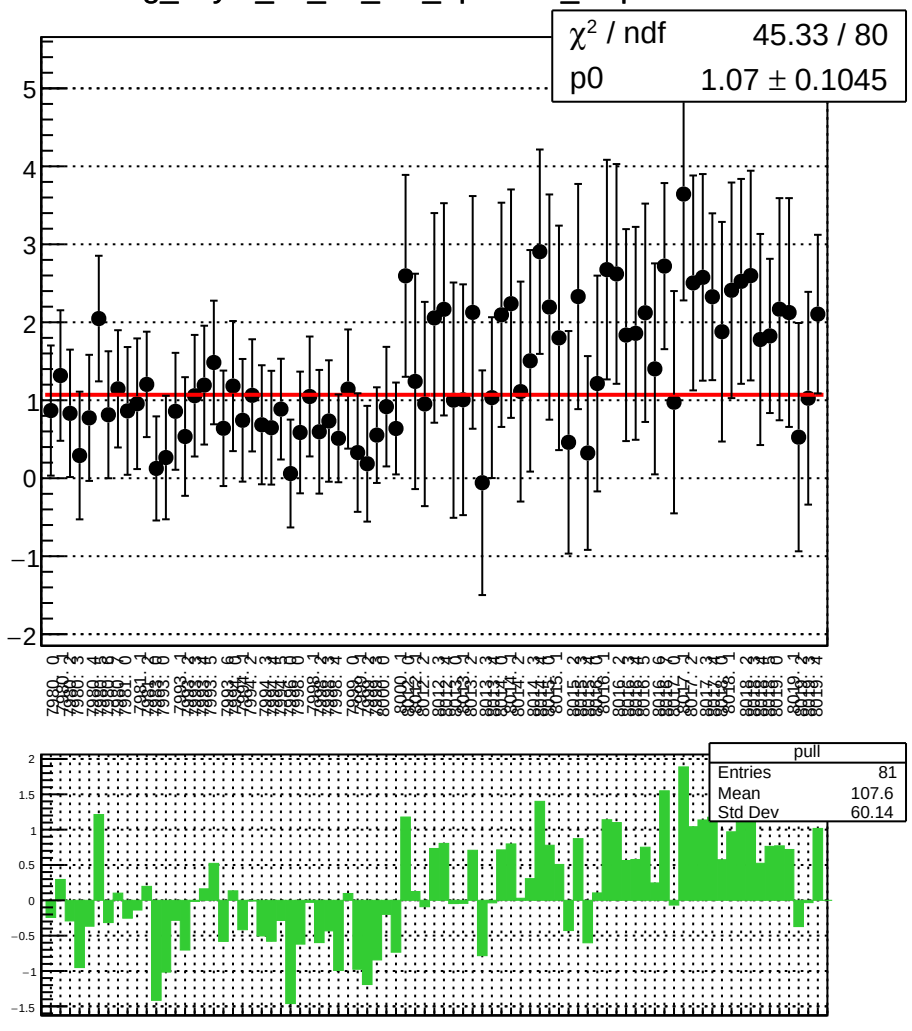

pull1D
Entries 81
Mean 0.01719
Std Dev 0.6686

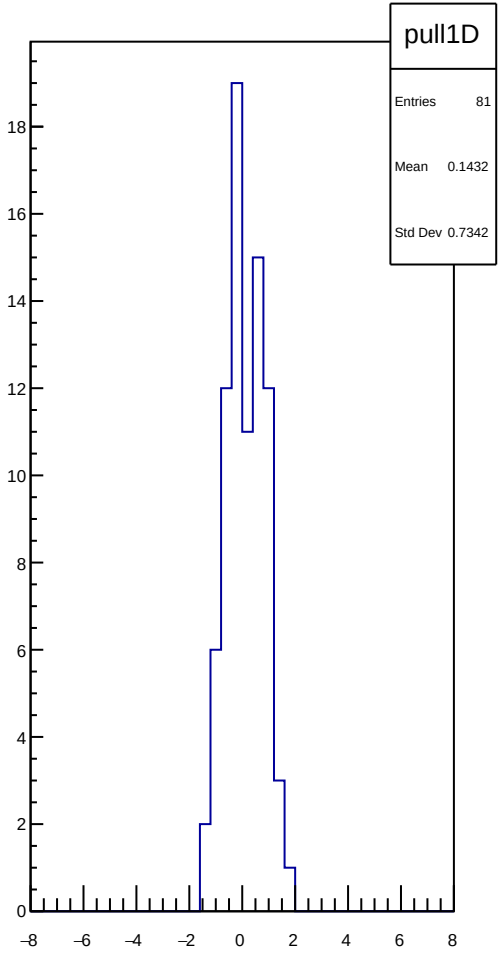

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.79 / 80
p0 −57.07 ± 1.756
−20
−40
−60
−80
−100
pull
Entries 81
Mean −55.51
Std Dev 89.46
1
0.5
0
−0.5
−1

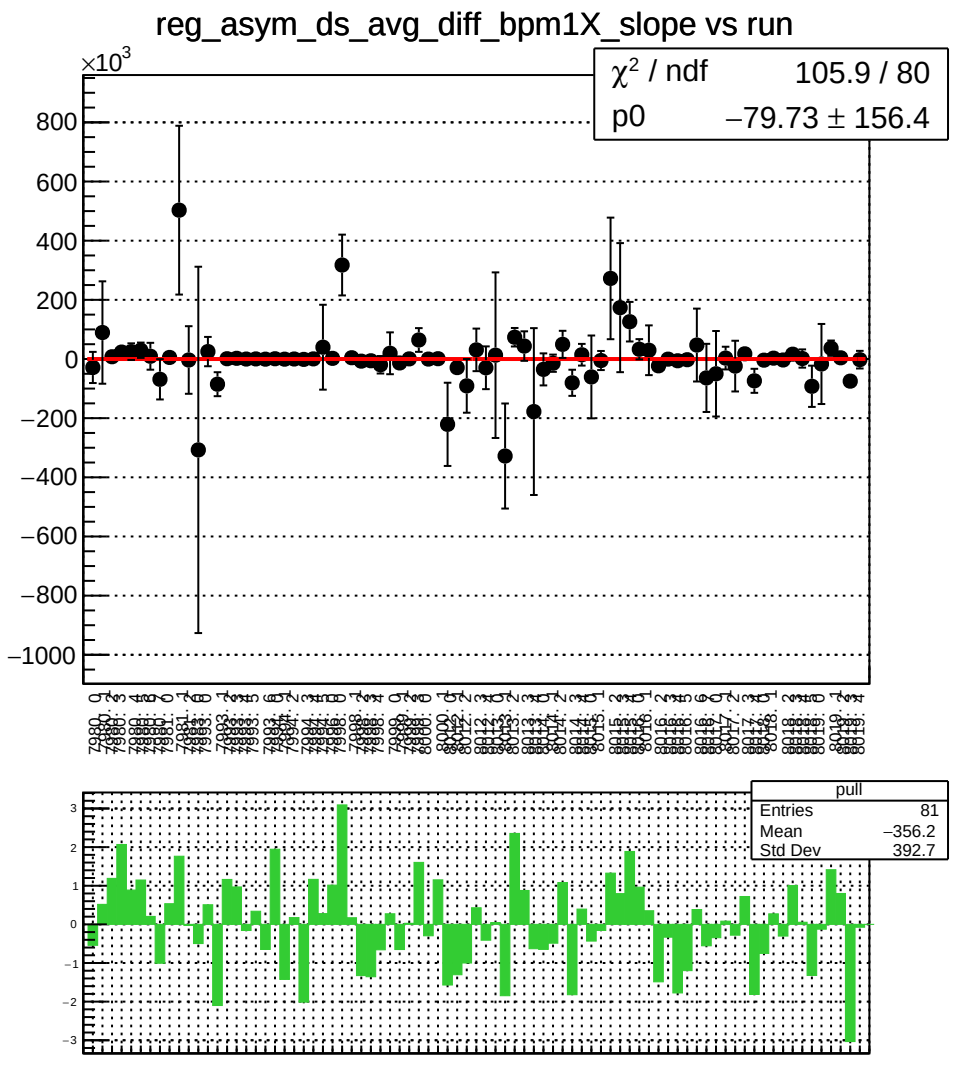

pull1D
Entries 81
Mean 0.06442
Std Dev 0.5494
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

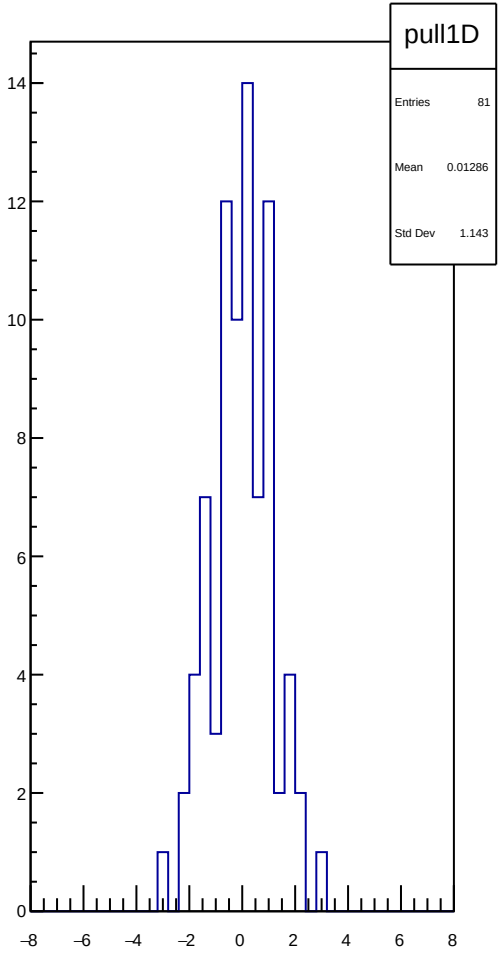

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 36 / 80
p0 9.862 ± 2.709
pull
Entries 81
Mean −36.52
Std Dev 78.21

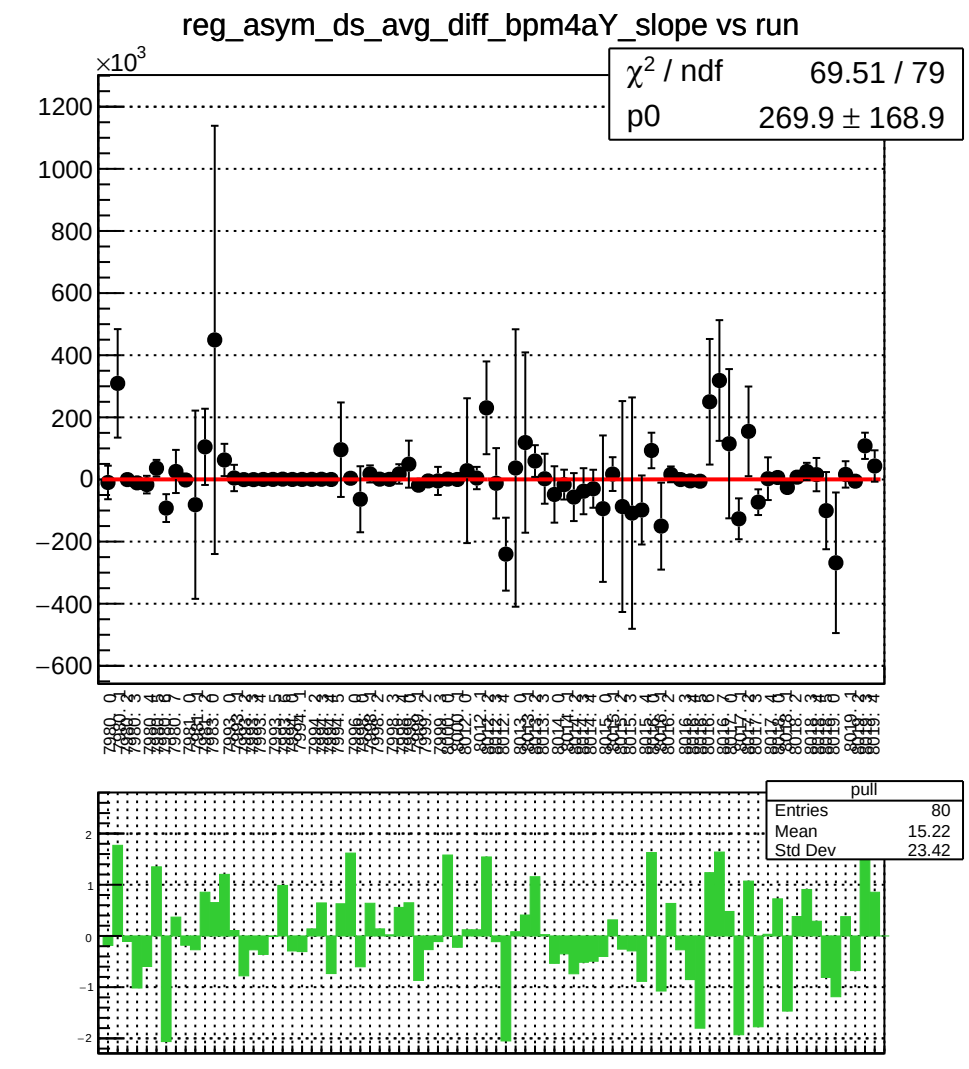

pull1D
Entries 81
Mean −0.01866
Std Dev 0.6664

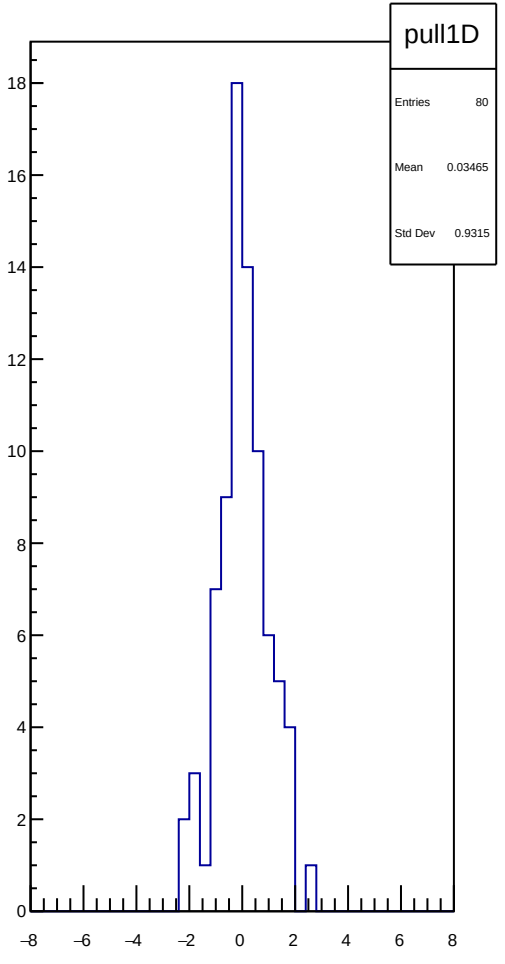

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 45.33 / 80
p0 1.07 ± 0.1045
pull
Entries 81
Mean 107.6
Std Dev 60.14

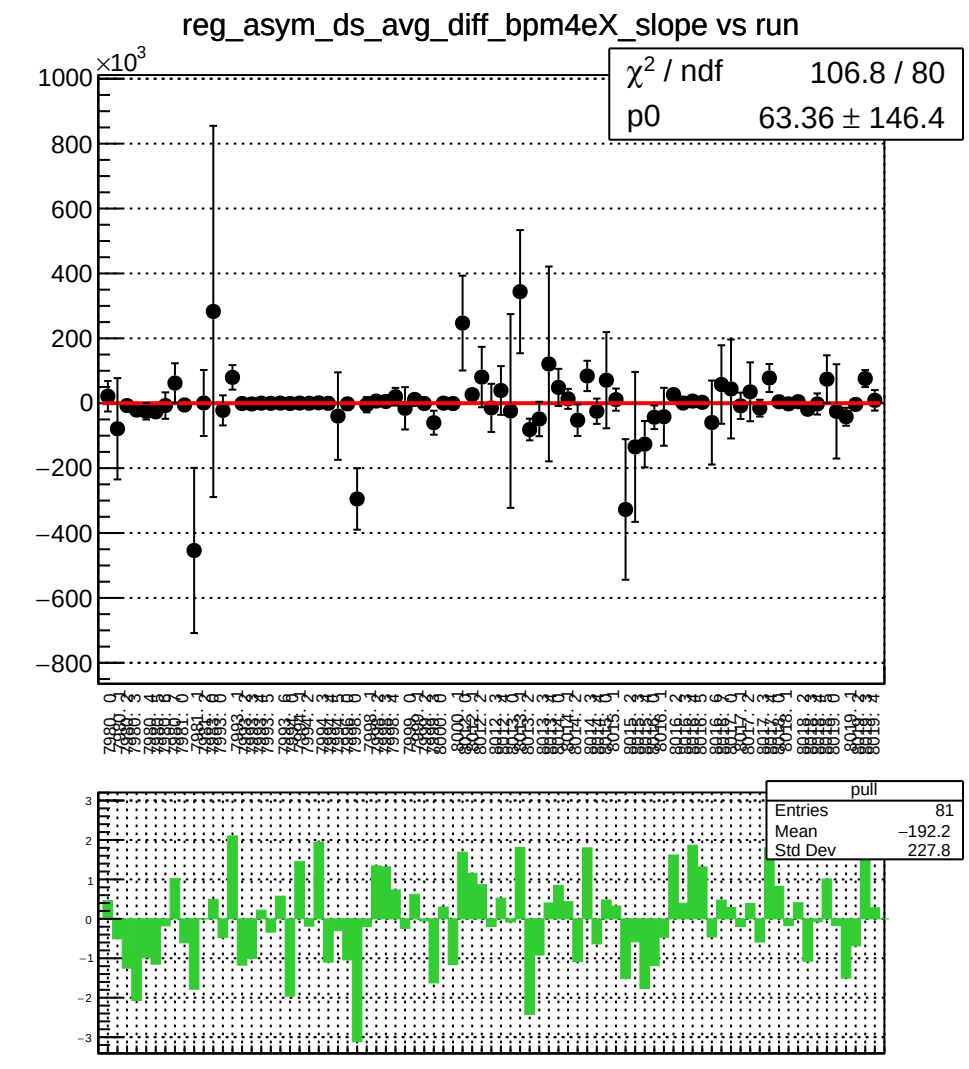

pull1D
Entries 81
Mean 0.1432
Std Dev 0.7342

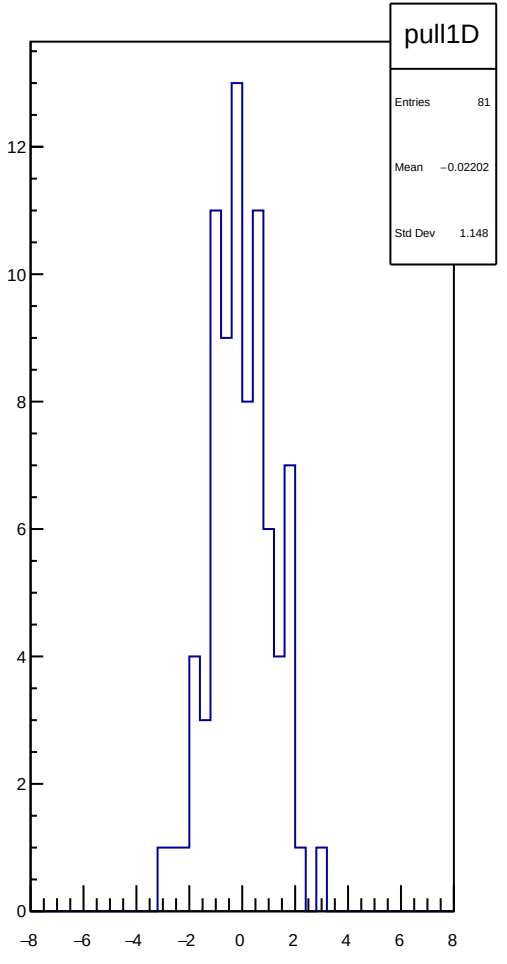

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 105.9 / 80
p0 −79.73 ± 156.4
pull
Entries 81
Mean −356.2
Std Dev 392.7

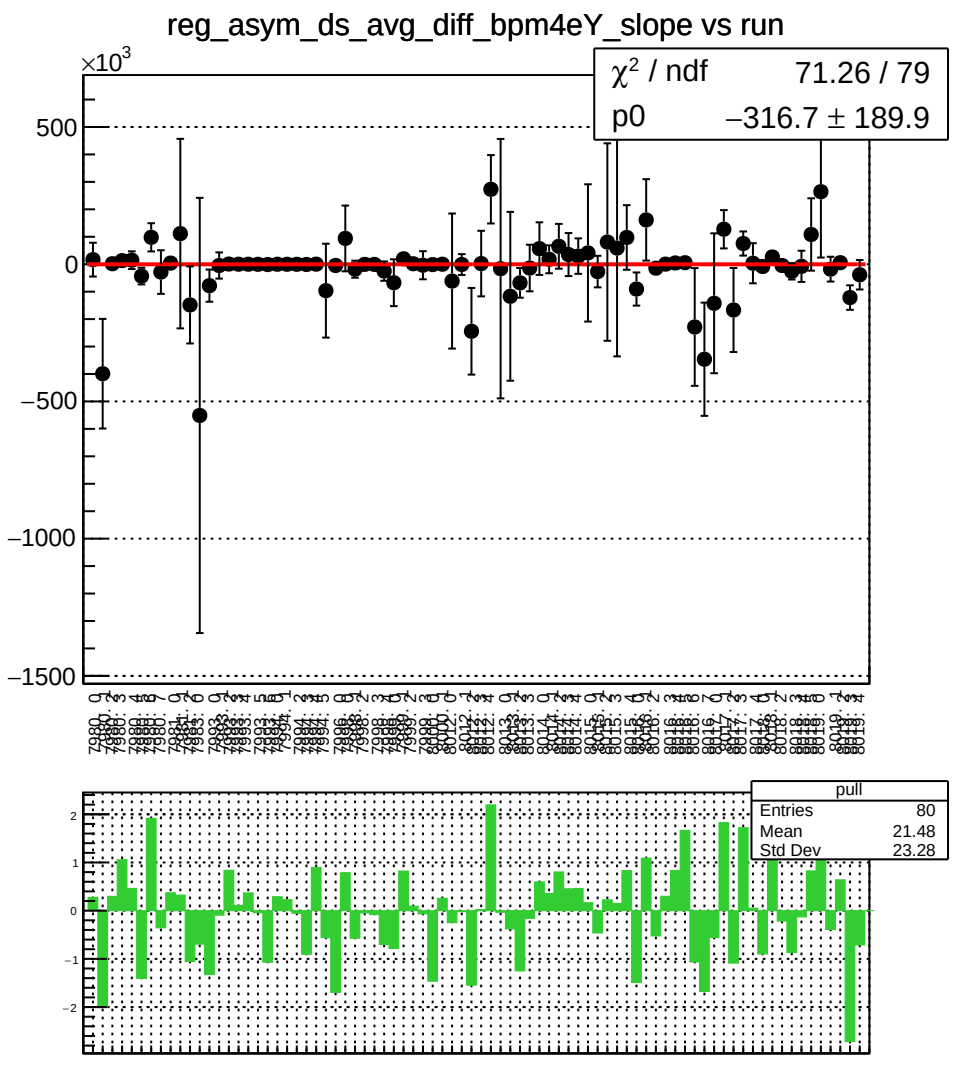

pull1D
Entries 81
Mean 0.01286
Std Dev 1.143

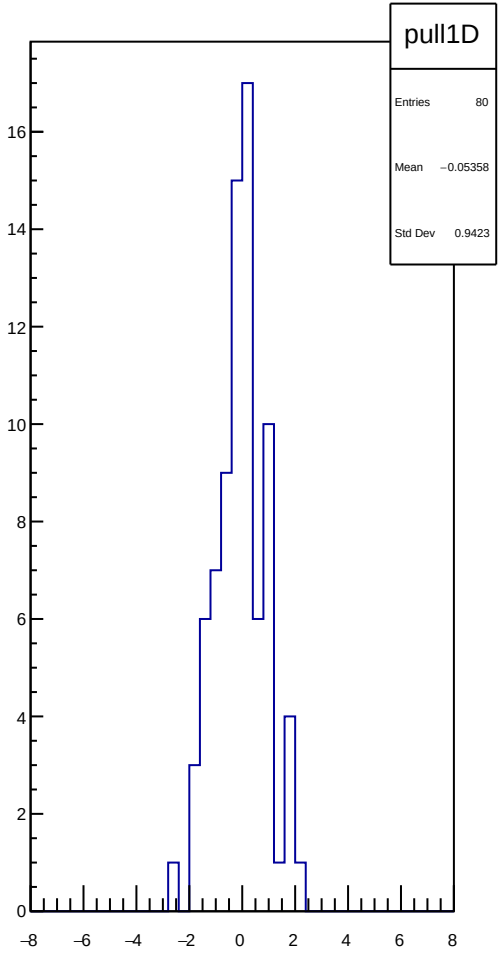

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.51 / 79
p0 269.9 ± 168.9
pull
Entries 80
Mean 15.22
Std Dev 23.42

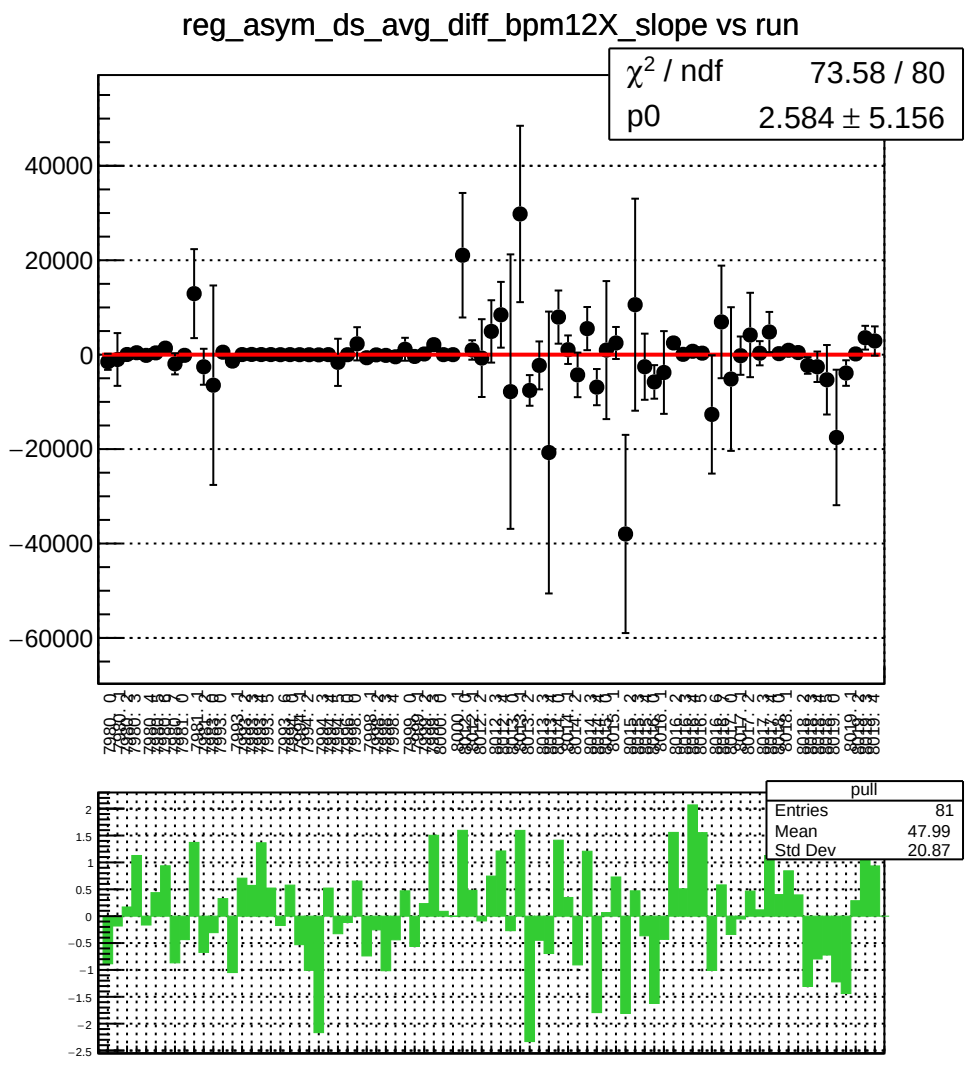

pull1D
Entries 80
Mean 0.03465
Std Dev 0.9315

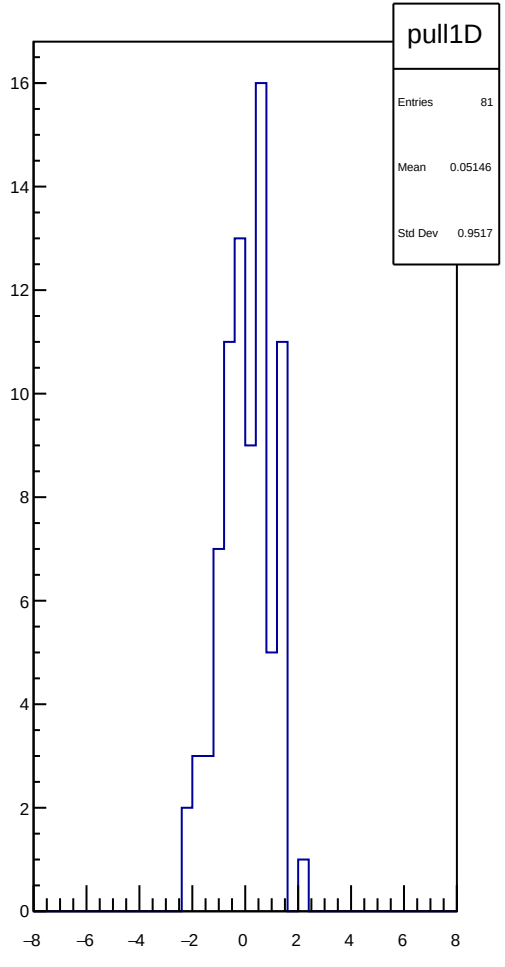

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 106.8 / 80
p0 63.36 ± 146.4
×10³
pull
Entries 81
Mean −192.2
Std Dev 227.8

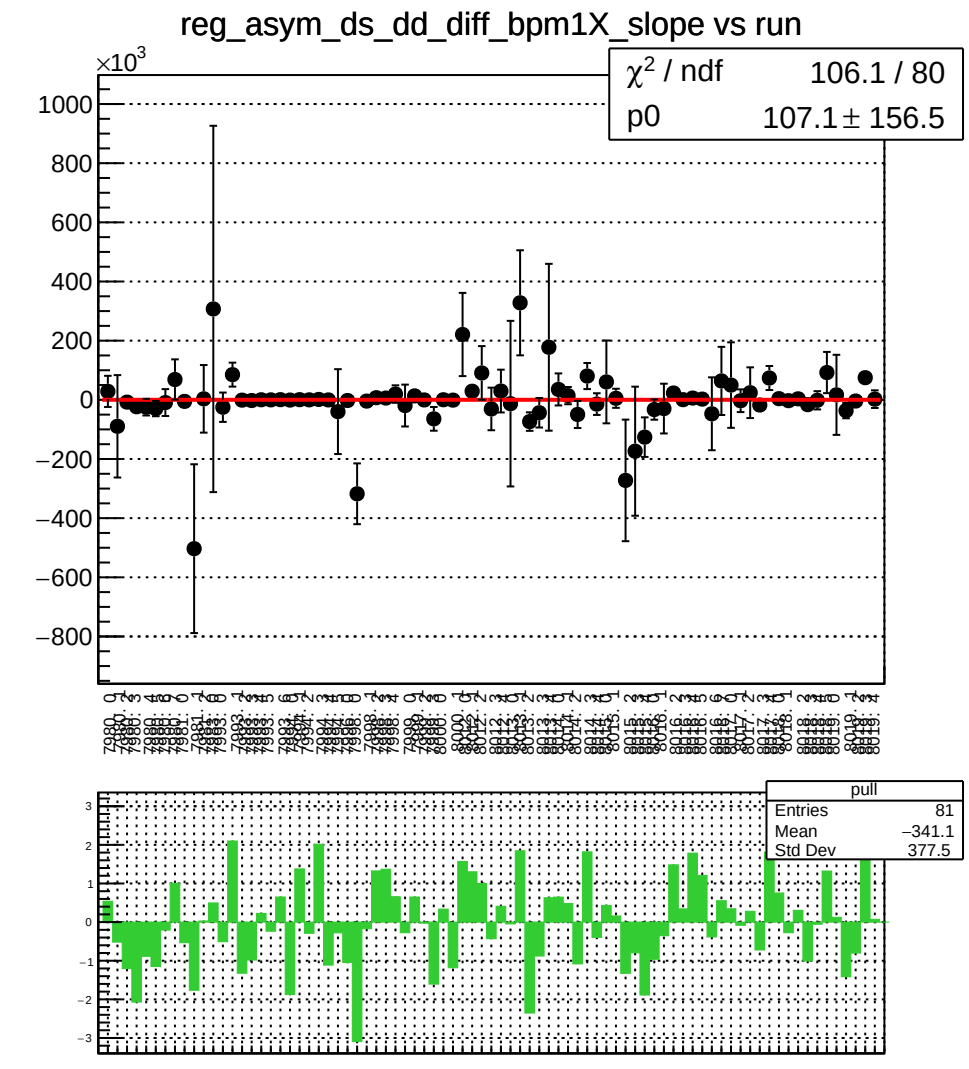

pull1D
Entries 81
Mean −0.02202
Std Dev 1.148

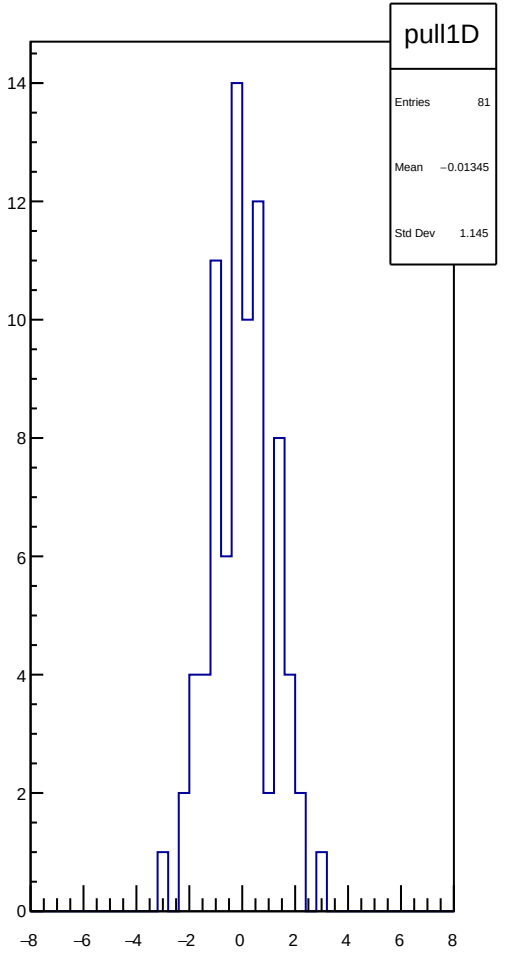

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 71.26 / 79
p0 −316.7 ± 189.9
500
0
−500
−1000
−1500
pull
Entries 80
Mean 21.48
Std Dev 23.28
2
1
0
−1

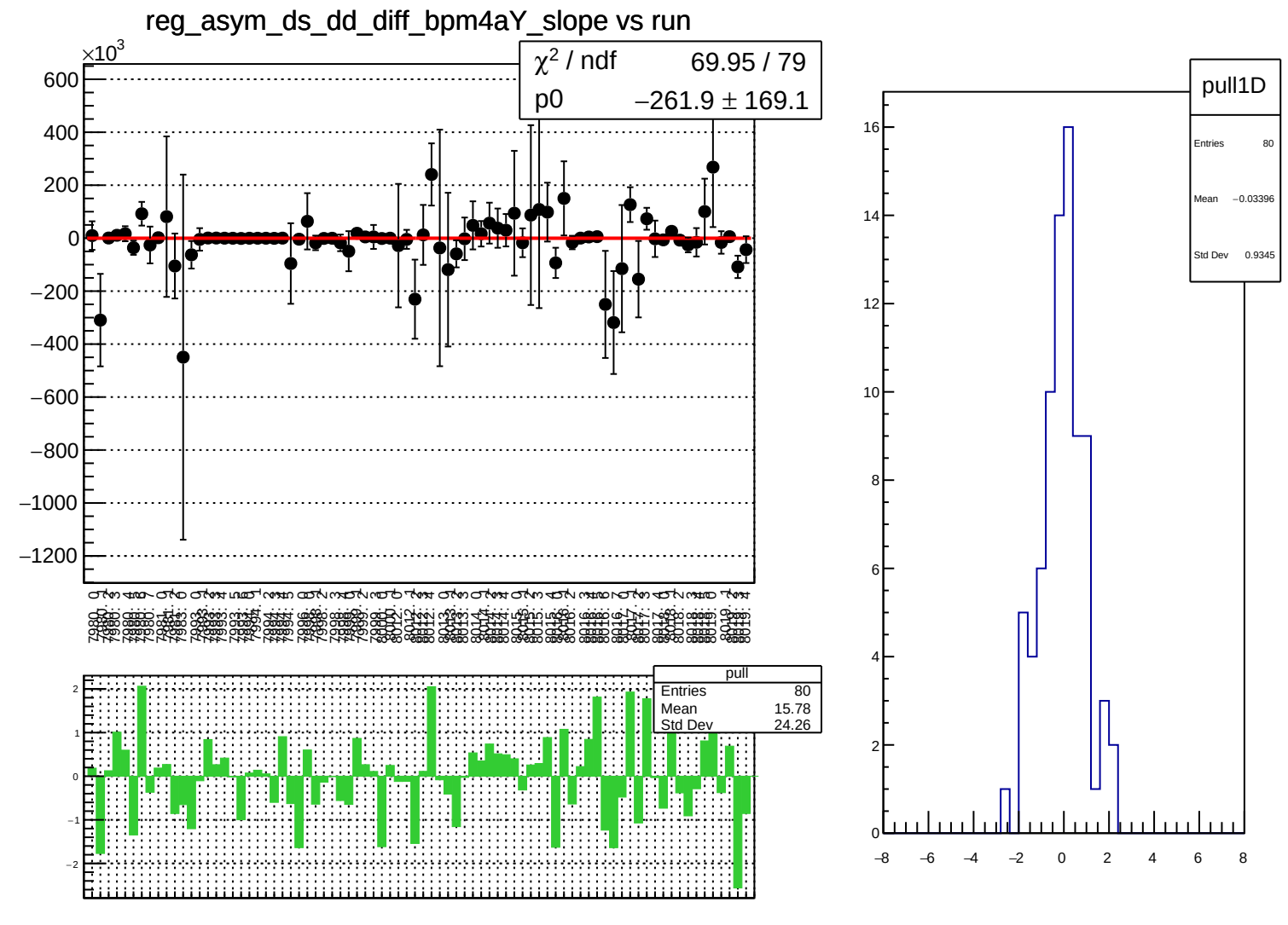

pull1D
Entries 80
Mean −0.05358
Std Dev 0.9423
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

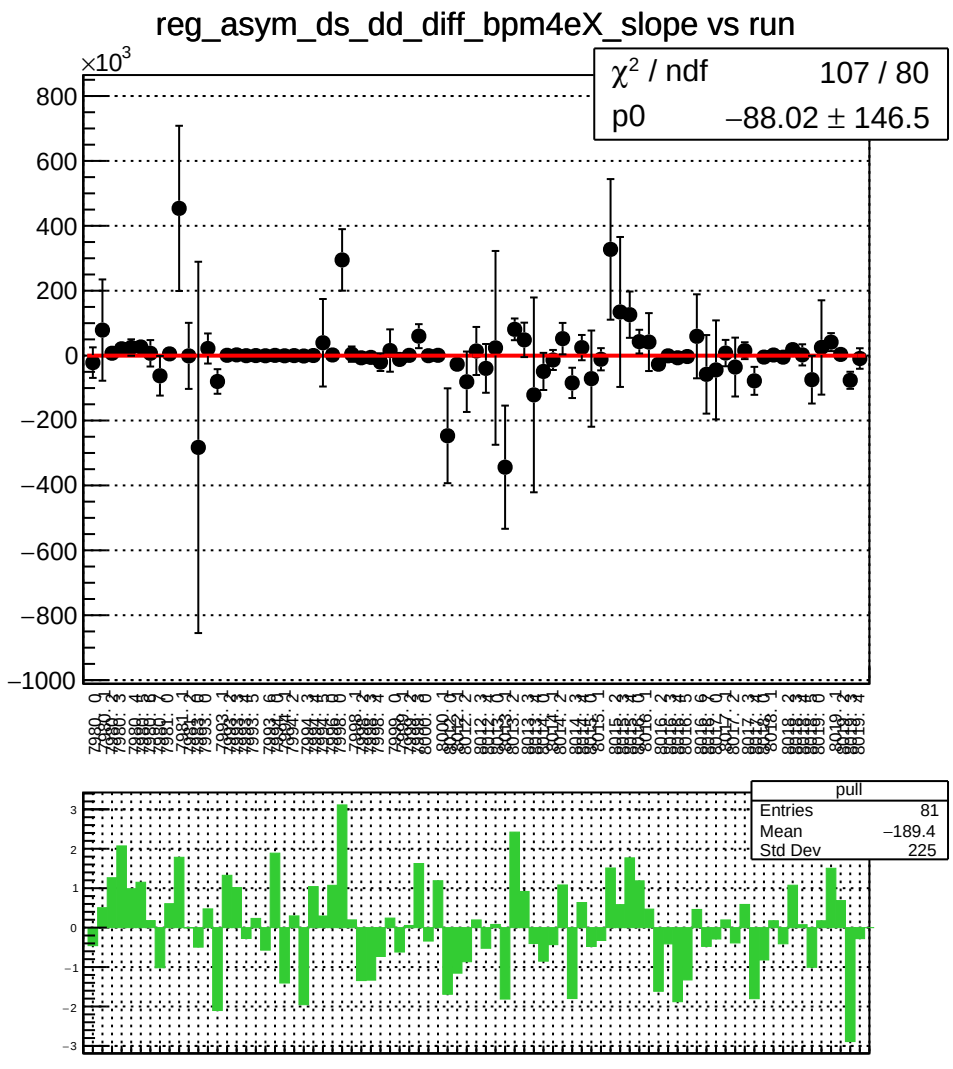

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 73.58 / 80
p0 2.584 ± 5.156
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 47.99
Std Dev 20.87
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

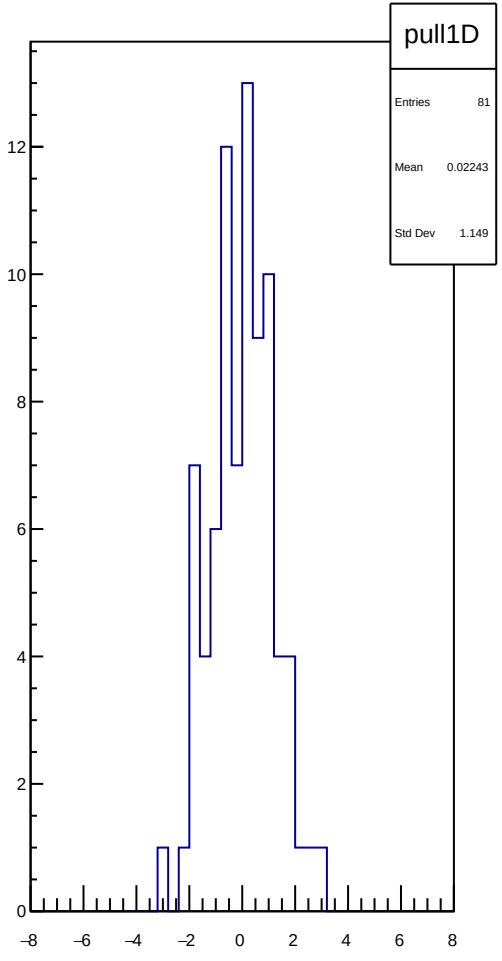

pull1D
Entries 81
Mean 0.05146
Std Dev 0.9517
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

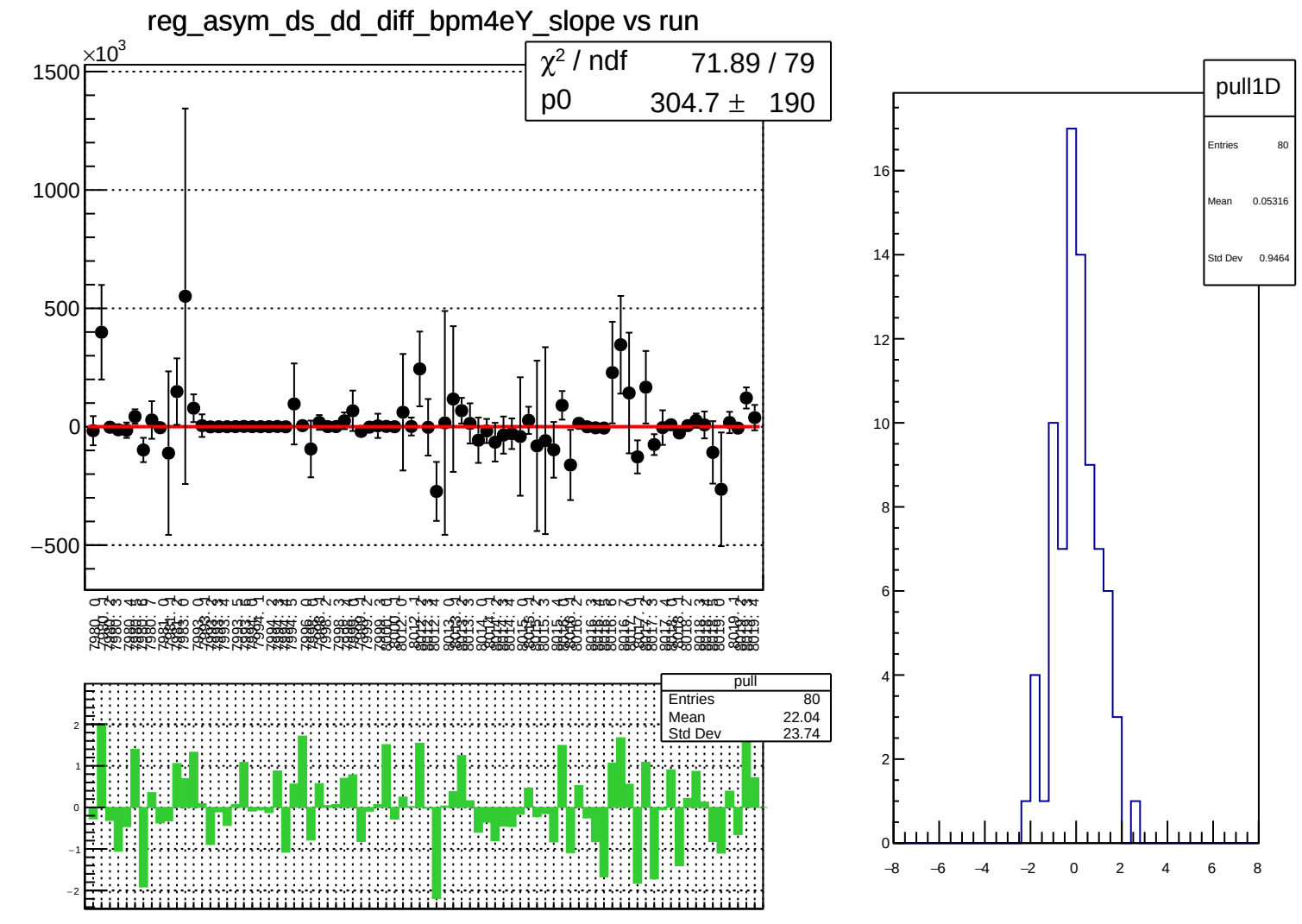

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 106.1 / 80
p0 107.1 ± 156.5
×10³
pull
Entries 81
Mean −341.1
Std Dev 377.5

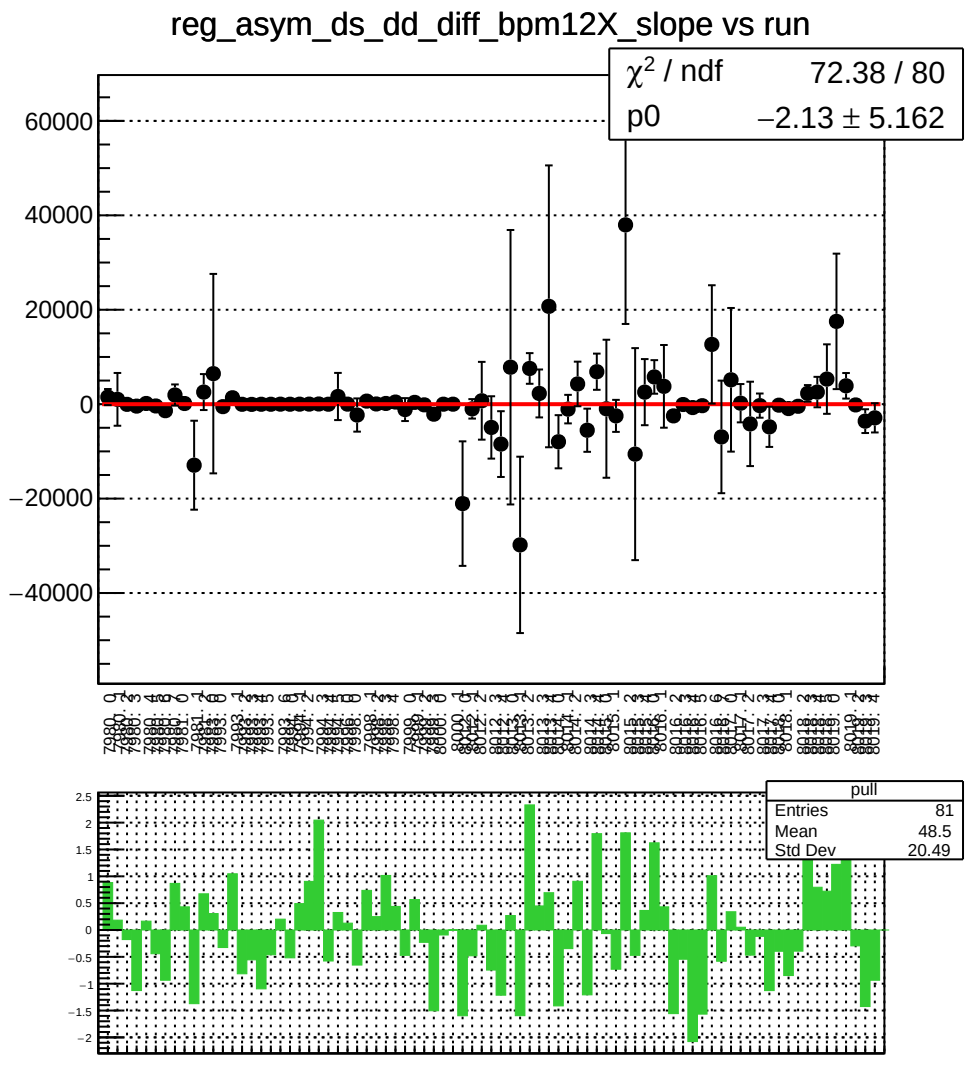

pull1D
Entries 81
Mean −0.01345
Std Dev 1.145

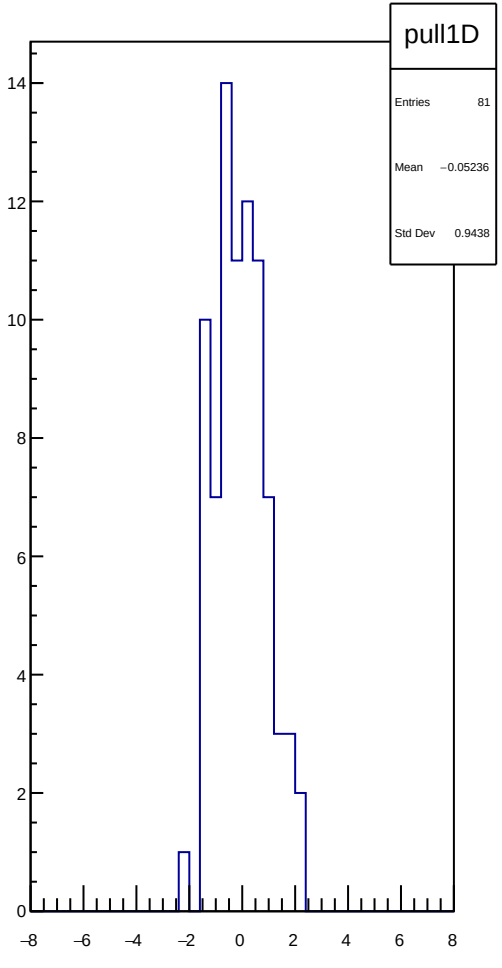

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 69.95 / 79
p0 −261.9 ± 169.1
pull
Entries 80
Mean 15.78
Std Dev 24.26
pull1D
Entries 80
Mean −0.03396
Std Dev 0.9345

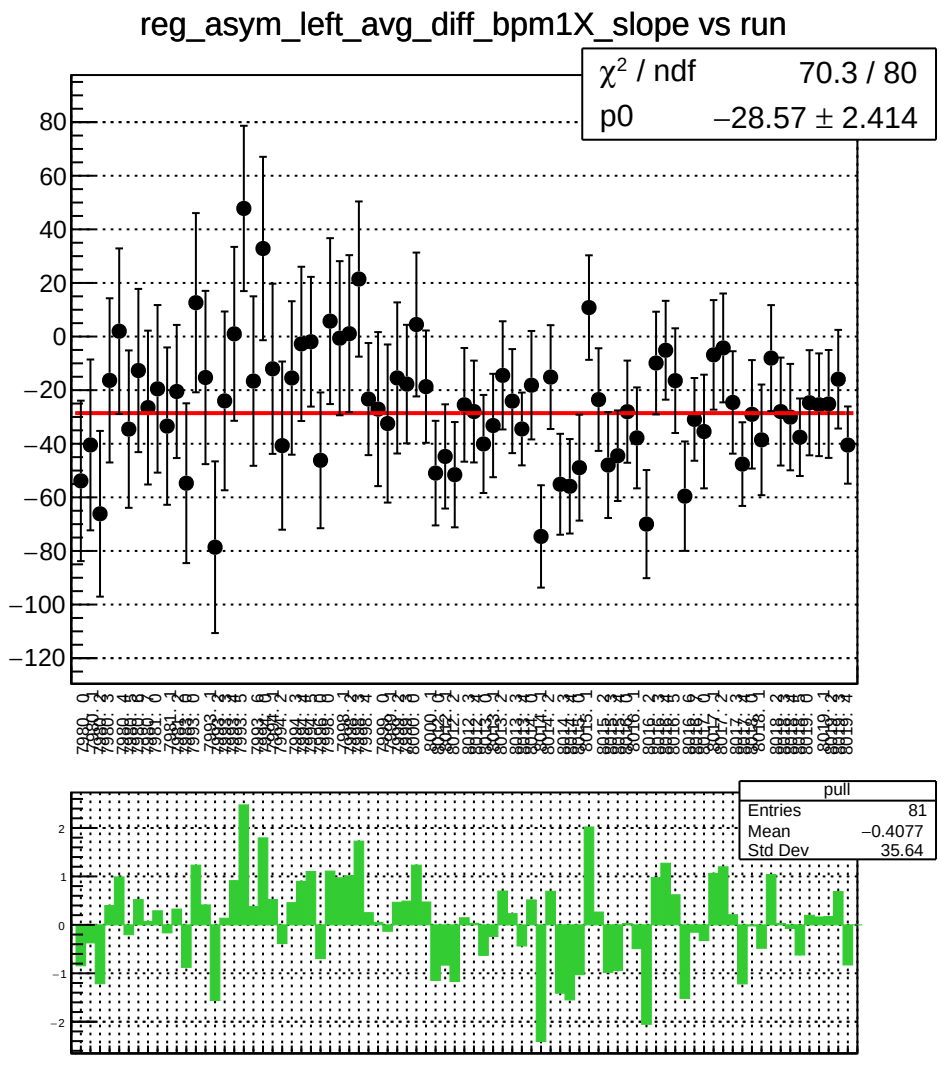

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 107 / 80
p0 −88.02 ± 146.5
×10³
pull
Entries 81
Mean −189.4
Std Dev 225

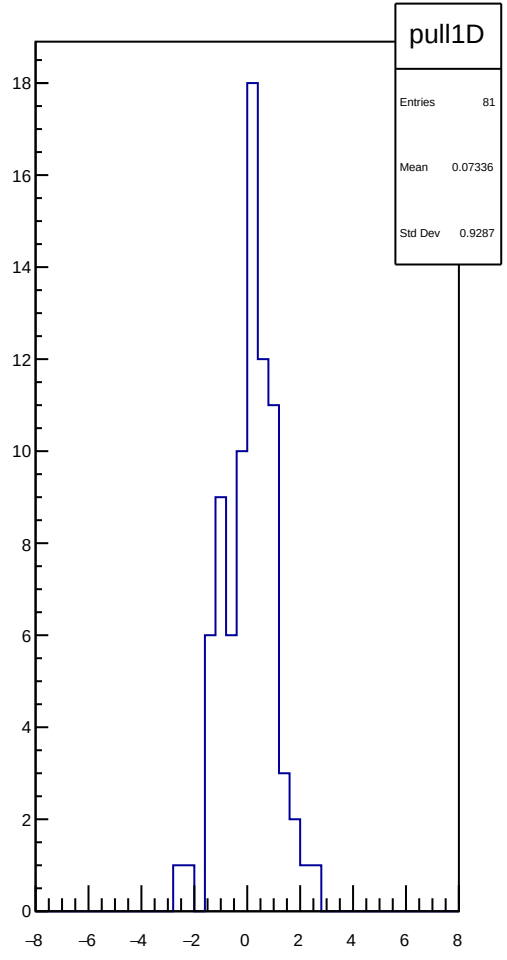

pull1D
Entries 81
Mean 0.02243
Std Dev 1.149

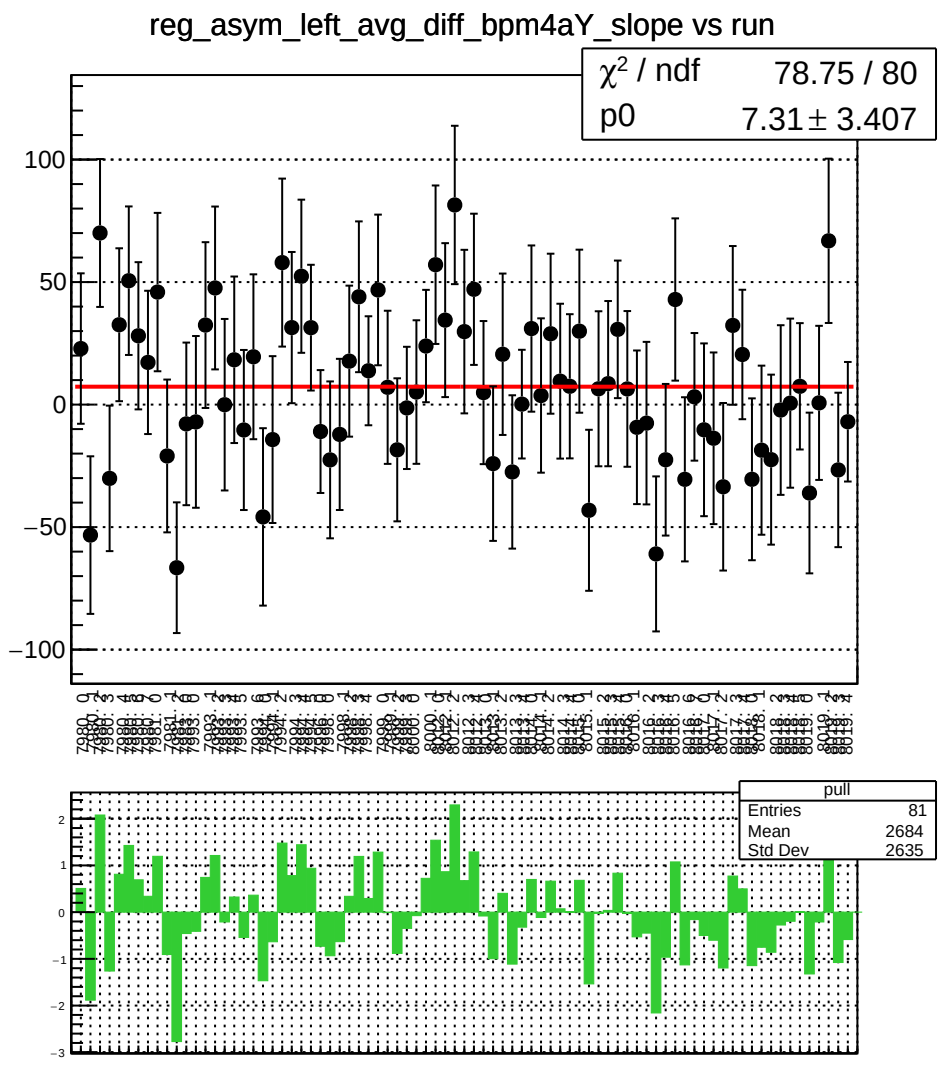

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 71.89 / 79
p0 304.7 ± 190
pull
Entries 80
Mean 22.04
Std Dev 23.74
pull1D
Entries 80
Mean 0.05316
Std Dev 0.9464

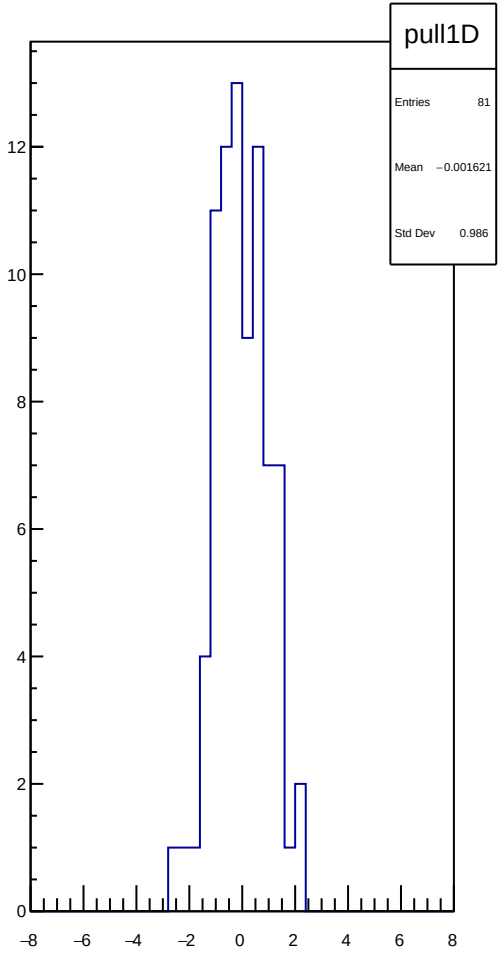

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 72.38 / 80
p0 −2.13 ± 5.162
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 48.5
Std Dev 20.49
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

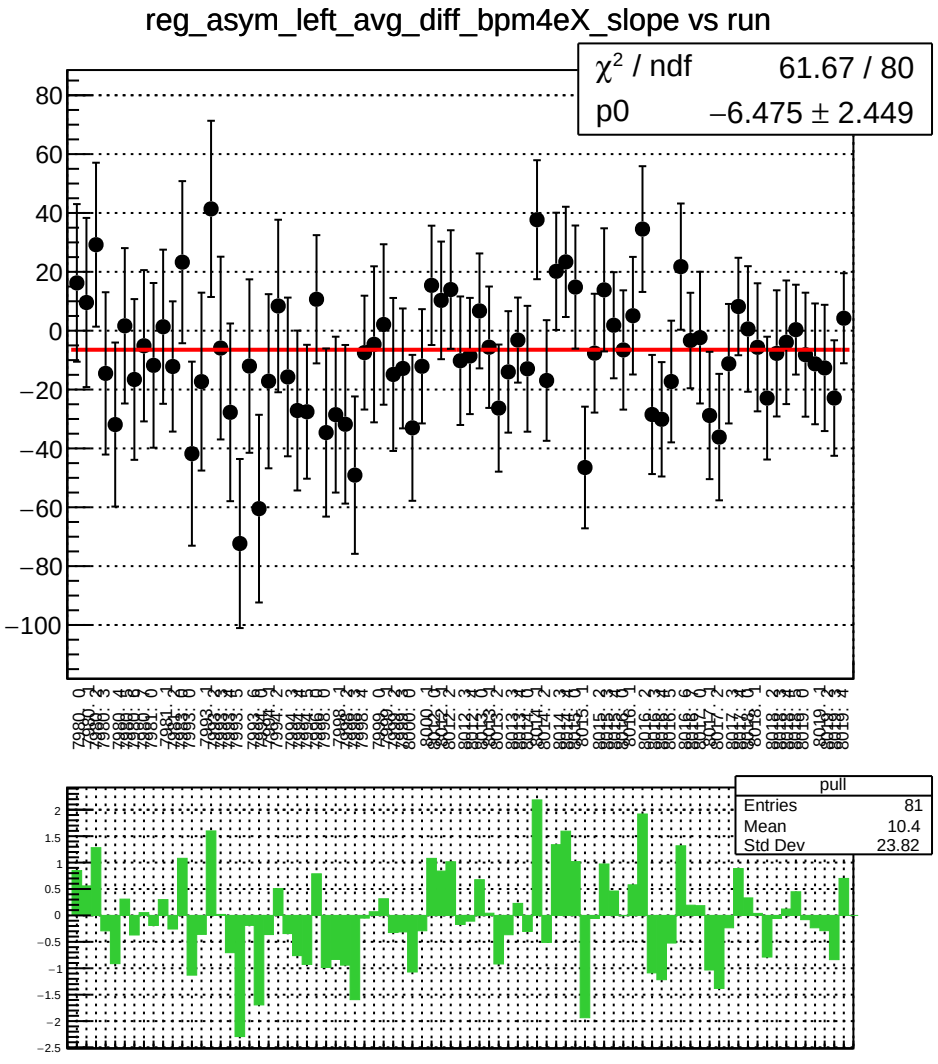

pull1D
Entries 81
Mean −0.05236
Std Dev 0.9438
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

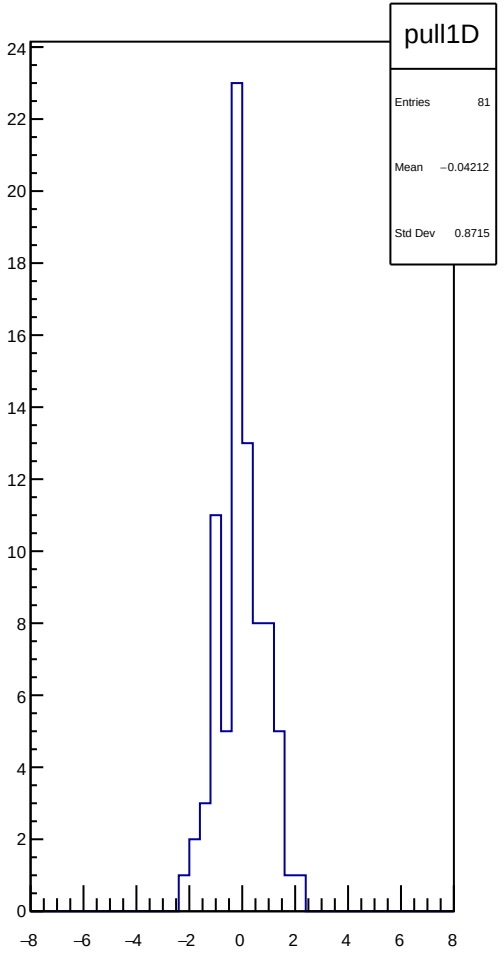

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 70.3 / 80
p0 −28.57 ± 2.414
pull
Entries 81
Mean −0.4077
Std Dev 35.64

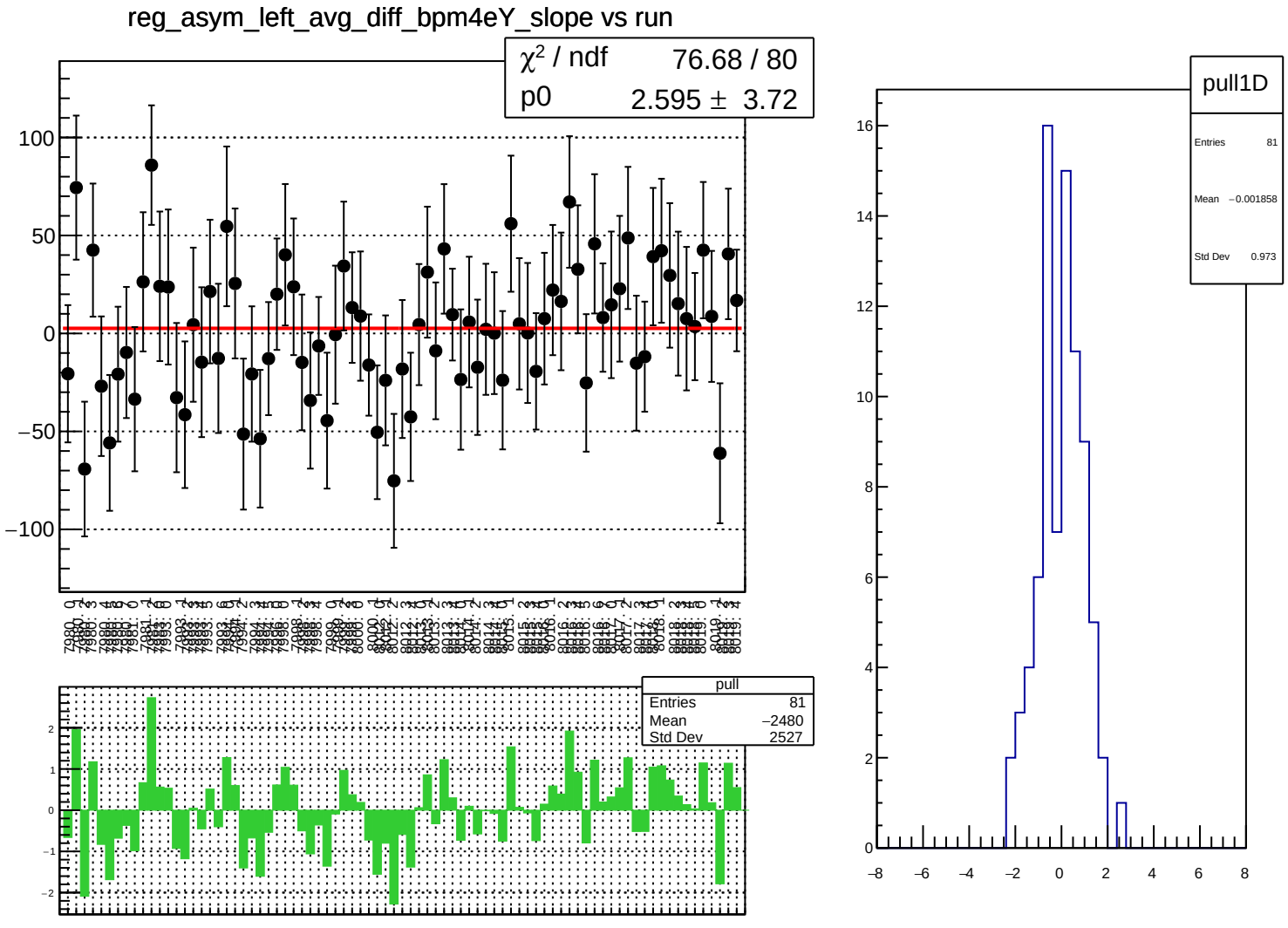

pull1D
Entries 81
Mean 0.07336
Std Dev 0.9287

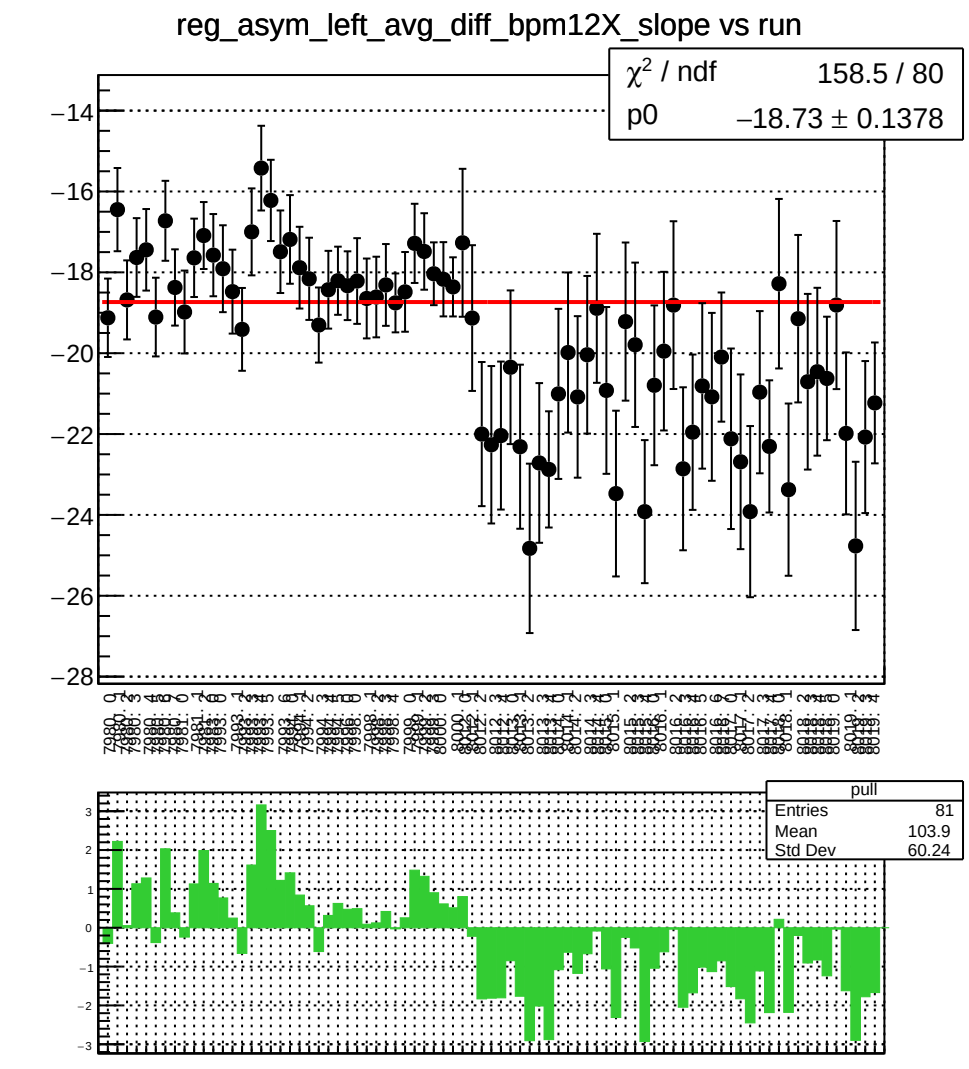

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.75 / 80
p0 7.31 ± 3.407
100
50
0
−50
−100
pull
Entries 81
Mean 2684
Std Dev 2635
2
1
0
−1
−2
−3

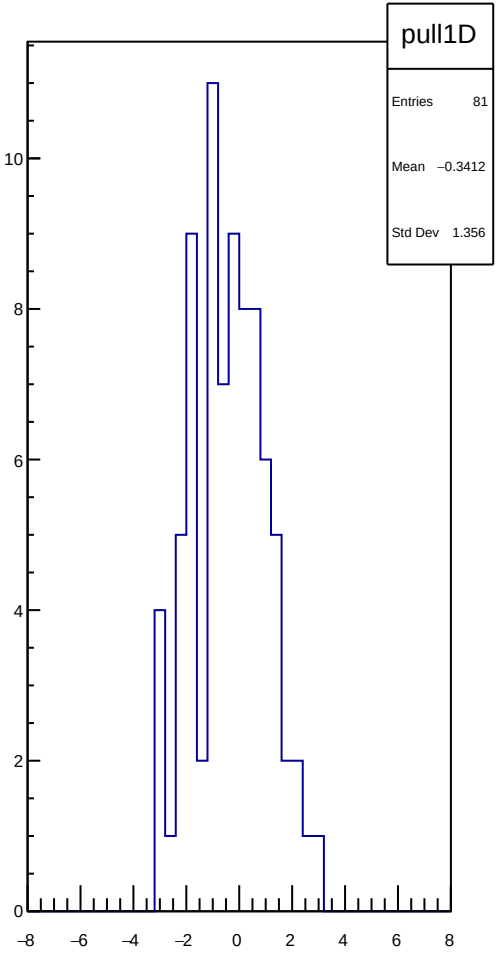

pull1D
Entries 81
Mean −0.001621
Std Dev 0.986
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

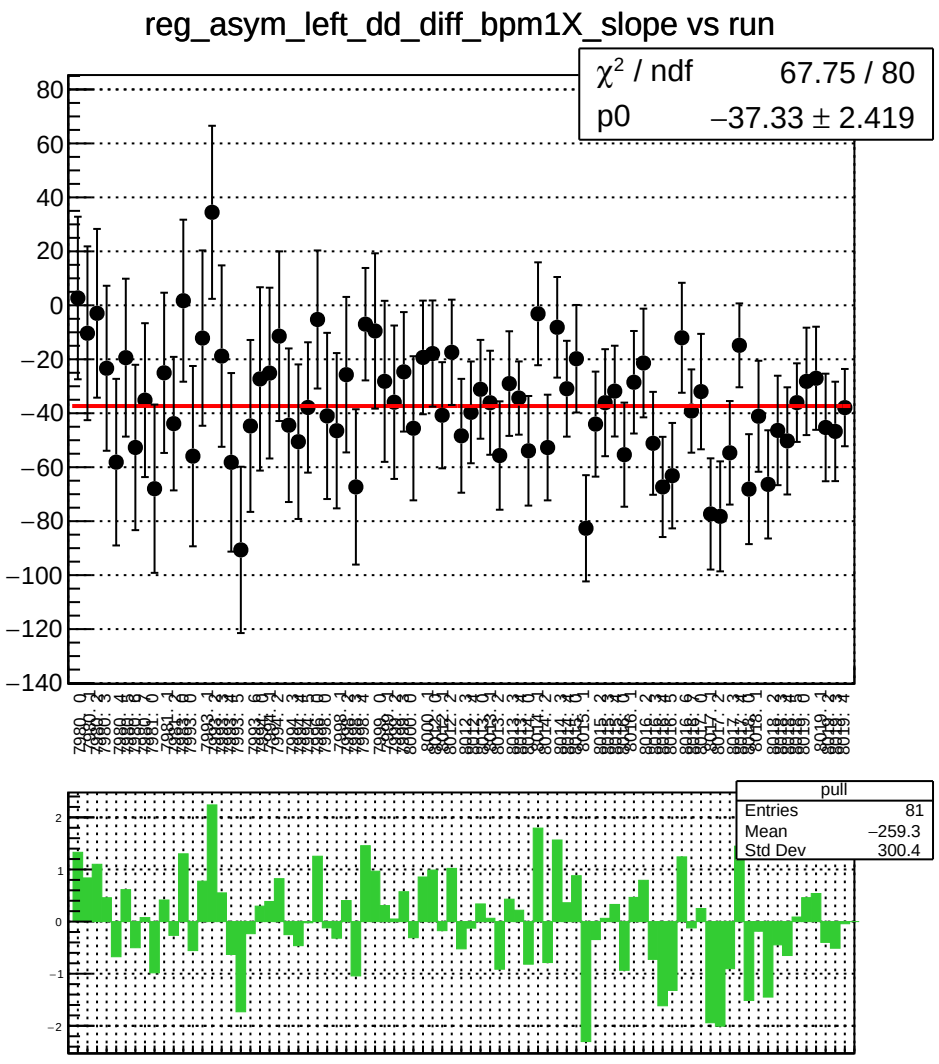

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.67 / 80
p0 −6.475 ± 2.449
pull
Entries 81
Mean 10.4
Std Dev 23.82

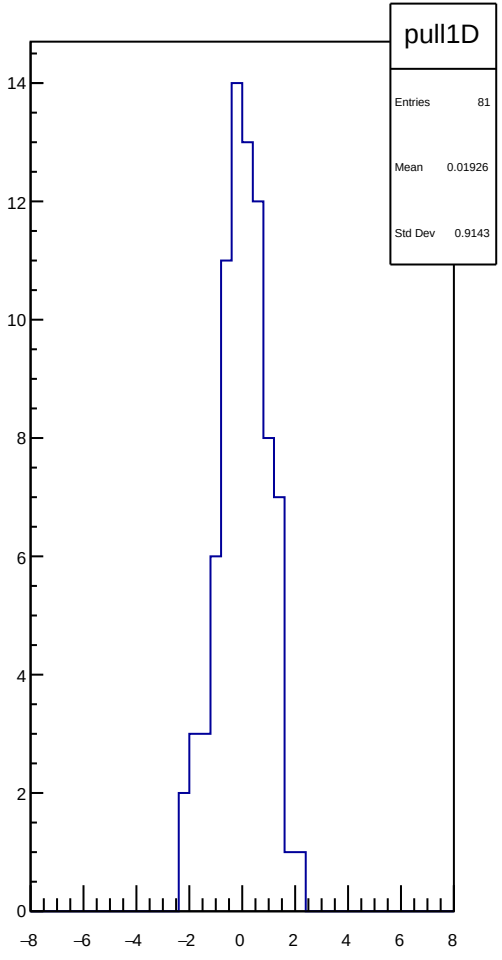

pull1D
Entries 81
Mean −0.04212
Std Dev 0.8715

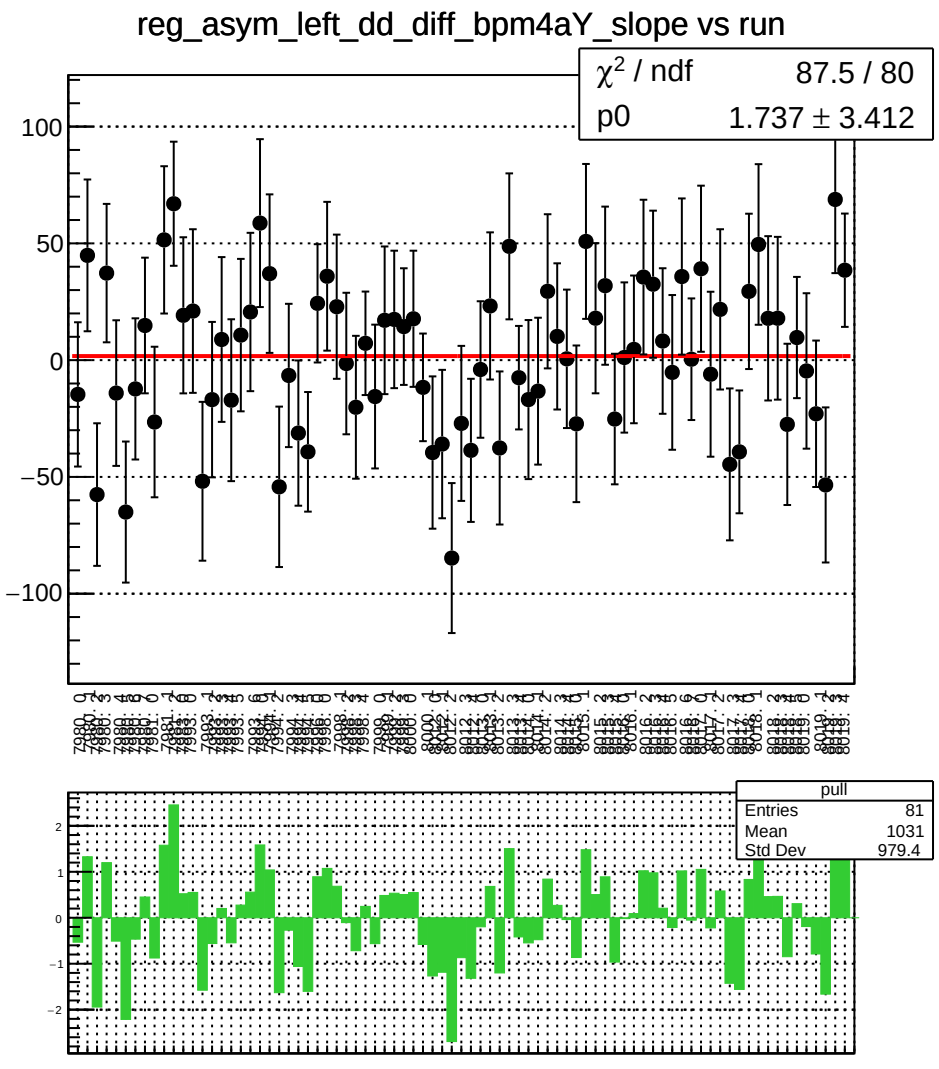

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.68 / 80
p0 2.595 ± 3.72
100
50
0
−50
−100
pull
Entries 81
Mean −2480
Std Dev 2527
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.001858
Std Dev 0.973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

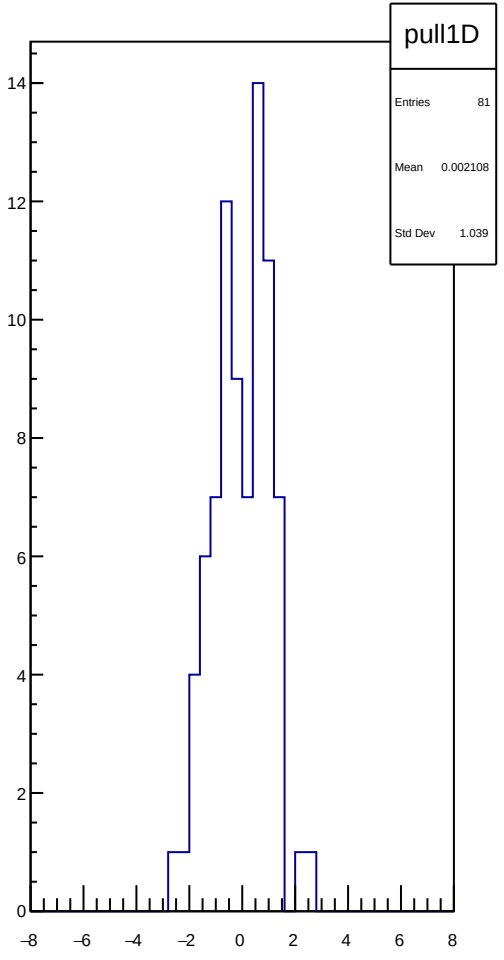

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 158.5 / 80
p0 −18.73 ± 0.1378
pull
Entries 81
Mean 103.9
Std Dev 60.24

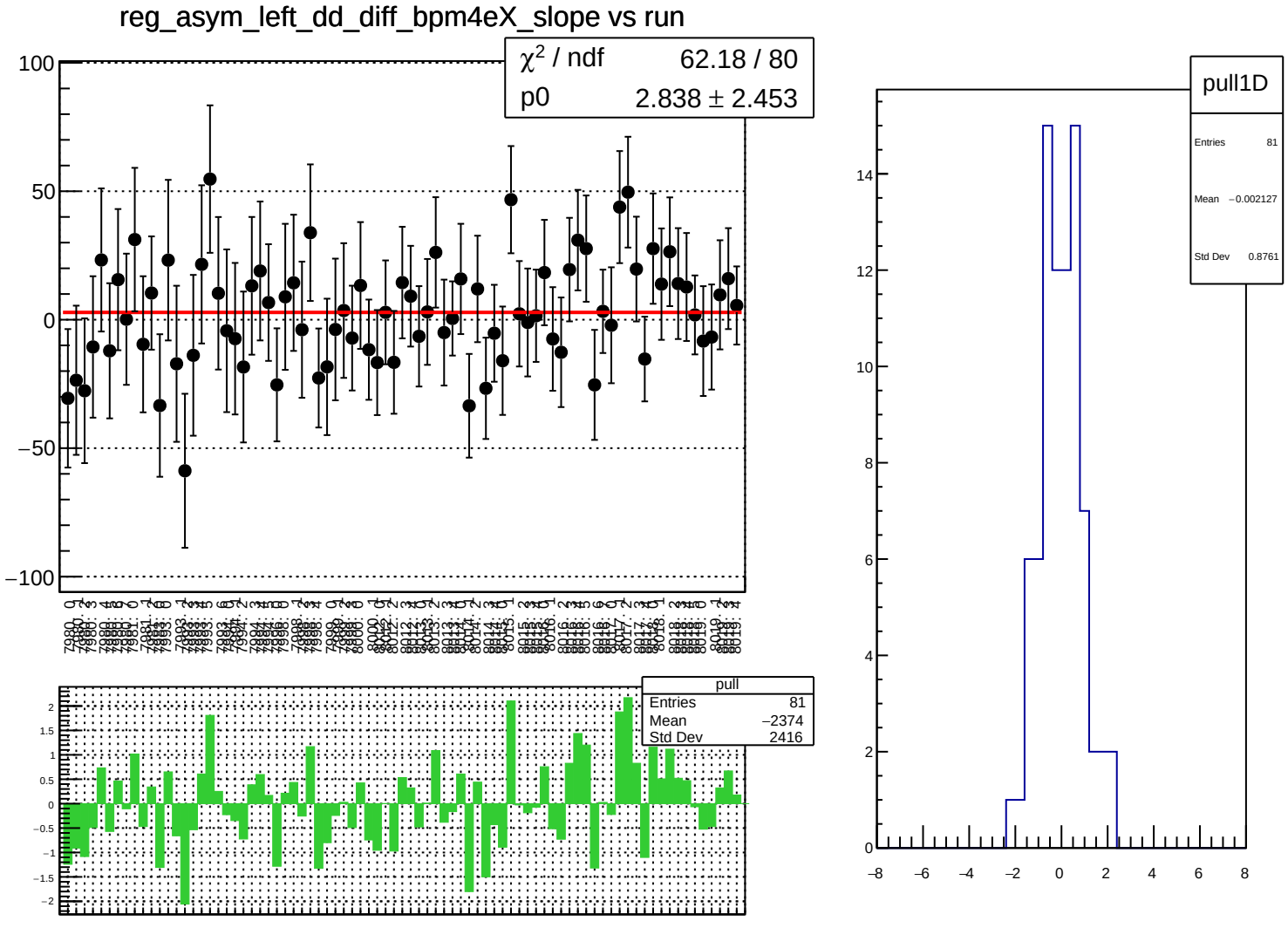

pull1D
Entries 81
Mean −0.3412
Std Dev 1.356

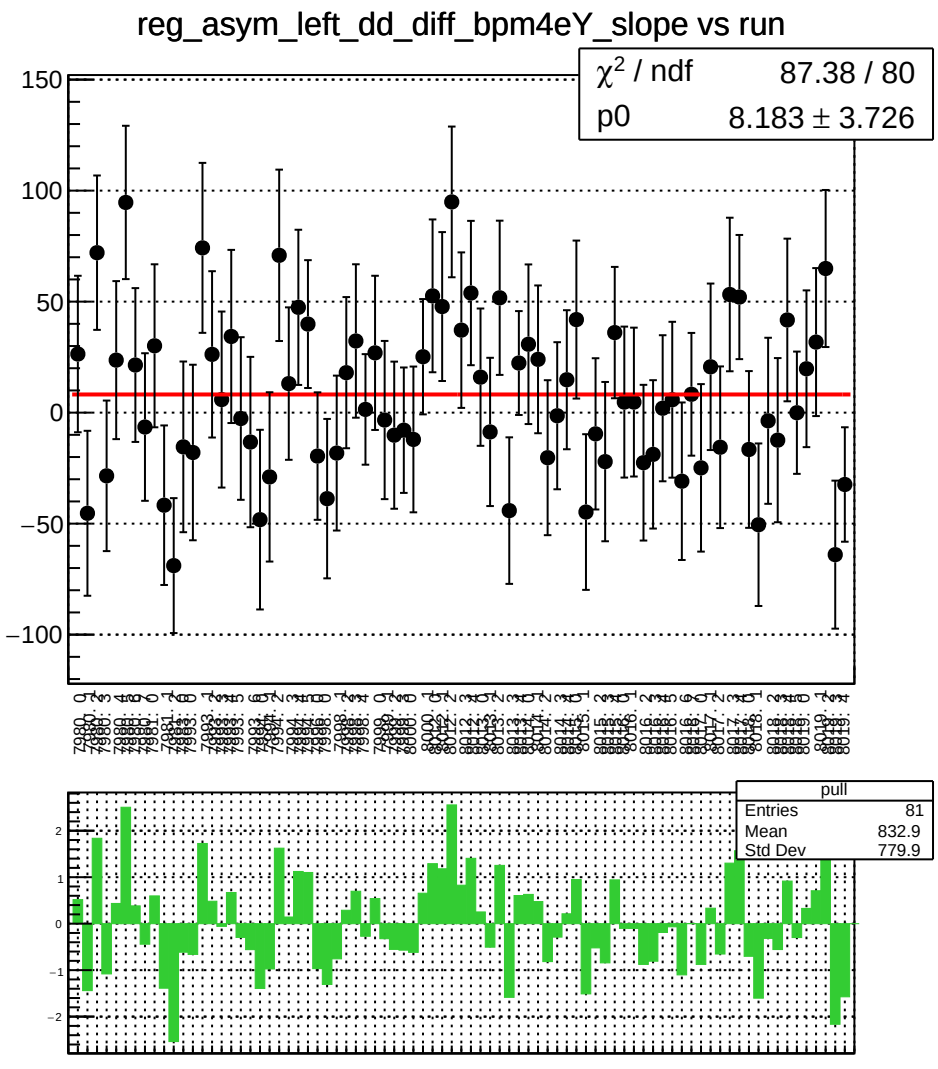

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 67.75 / 80
p0 −37.33 ± 2.419
pull
Entries 81
Mean −259.3
Std Dev 300.4

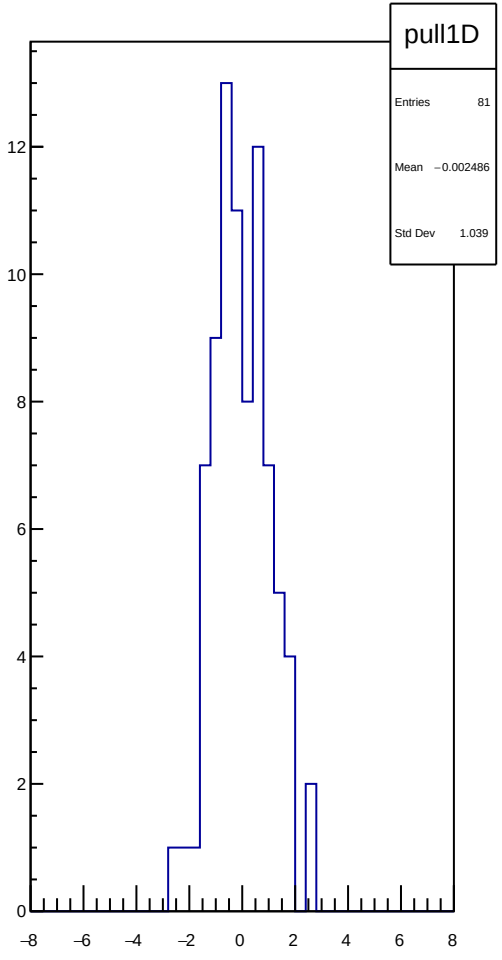

pull1D
Entries 81
Mean 0.01926
Std Dev 0.9143

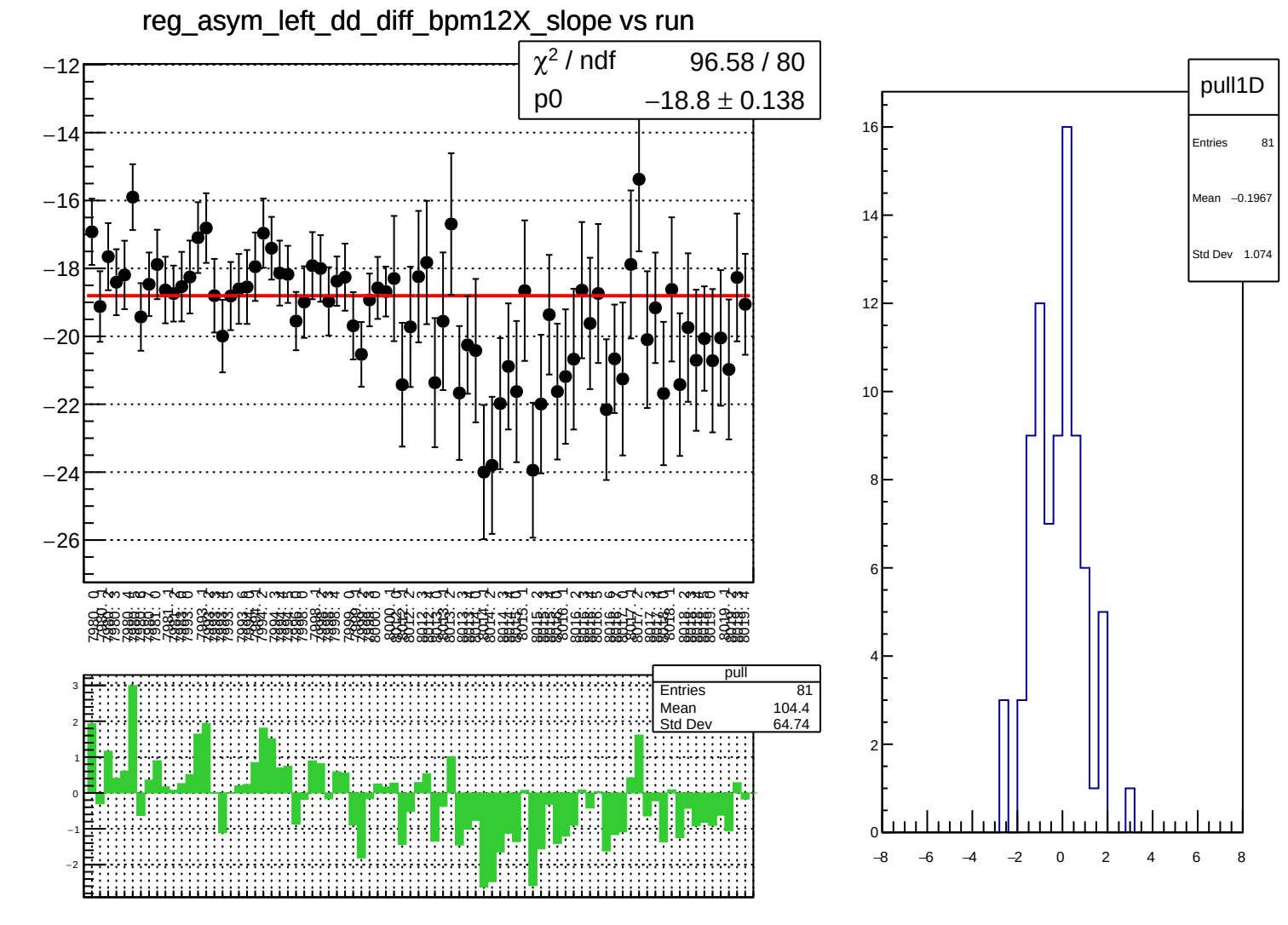

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.5 / 80
p0 1.737 ± 3.412
100
50
0
−50
−100
pull
Entries 81
Mean 1031
Std Dev 979.4
2
1
0
−1
−2

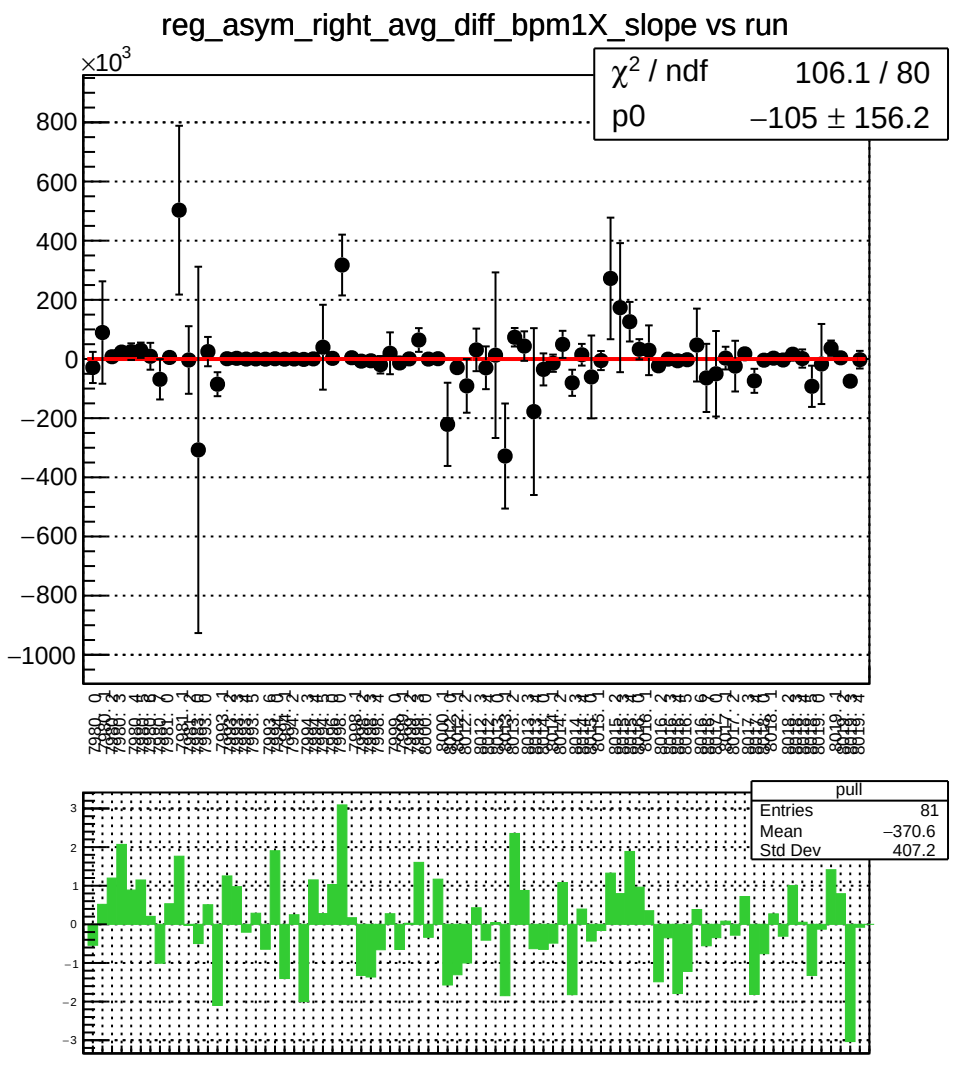

pull1D
Entries 81
Mean 0.002108
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

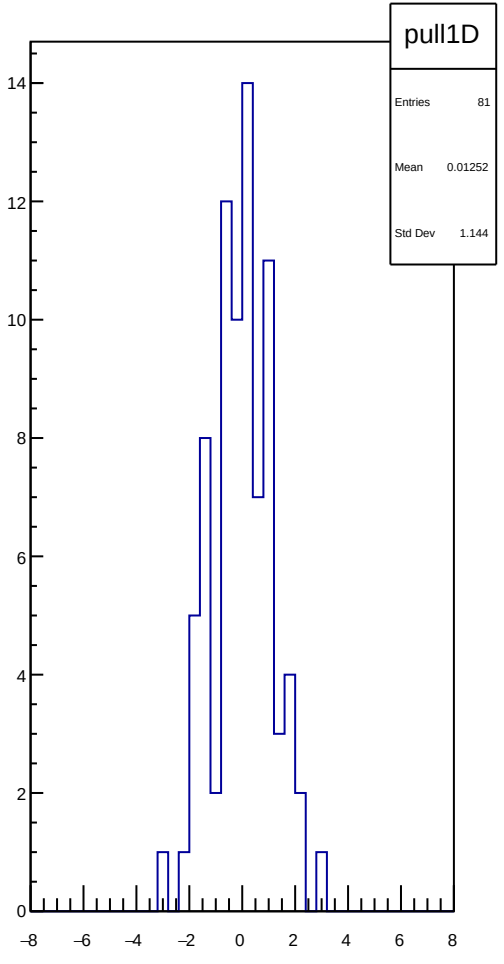

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.18 / 80
p0 2.838 ± 2.453
pull
Entries 81
Mean −2374
Std Dev 2416
pull1D
Entries 81
Mean −0.002127
Std Dev 0.8761

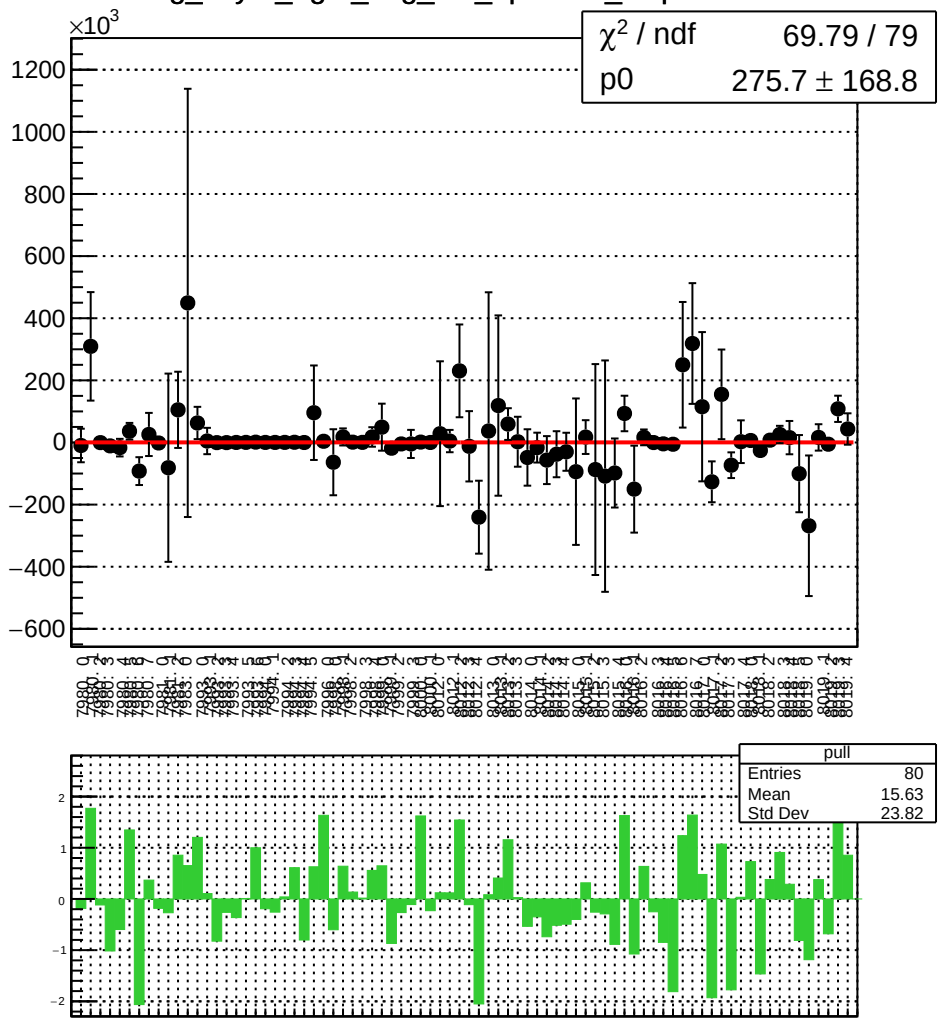

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.38 / 80
p0 8.183 ± 3.726
150
100
50
0
−50
−100
pull
Entries 81
Mean 832.9
Std Dev 779.9
2
1
0
−1
−2

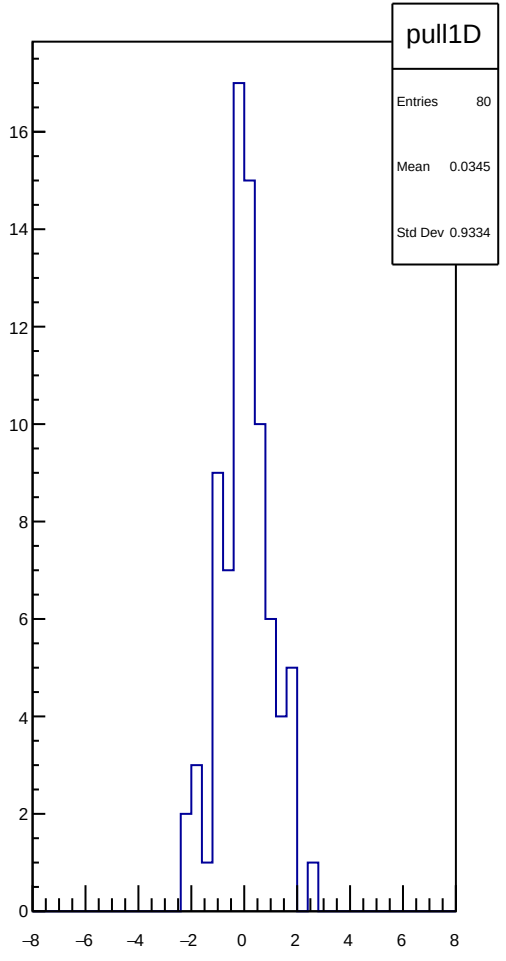

pull1D
Entries 81
Mean −0.002486
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

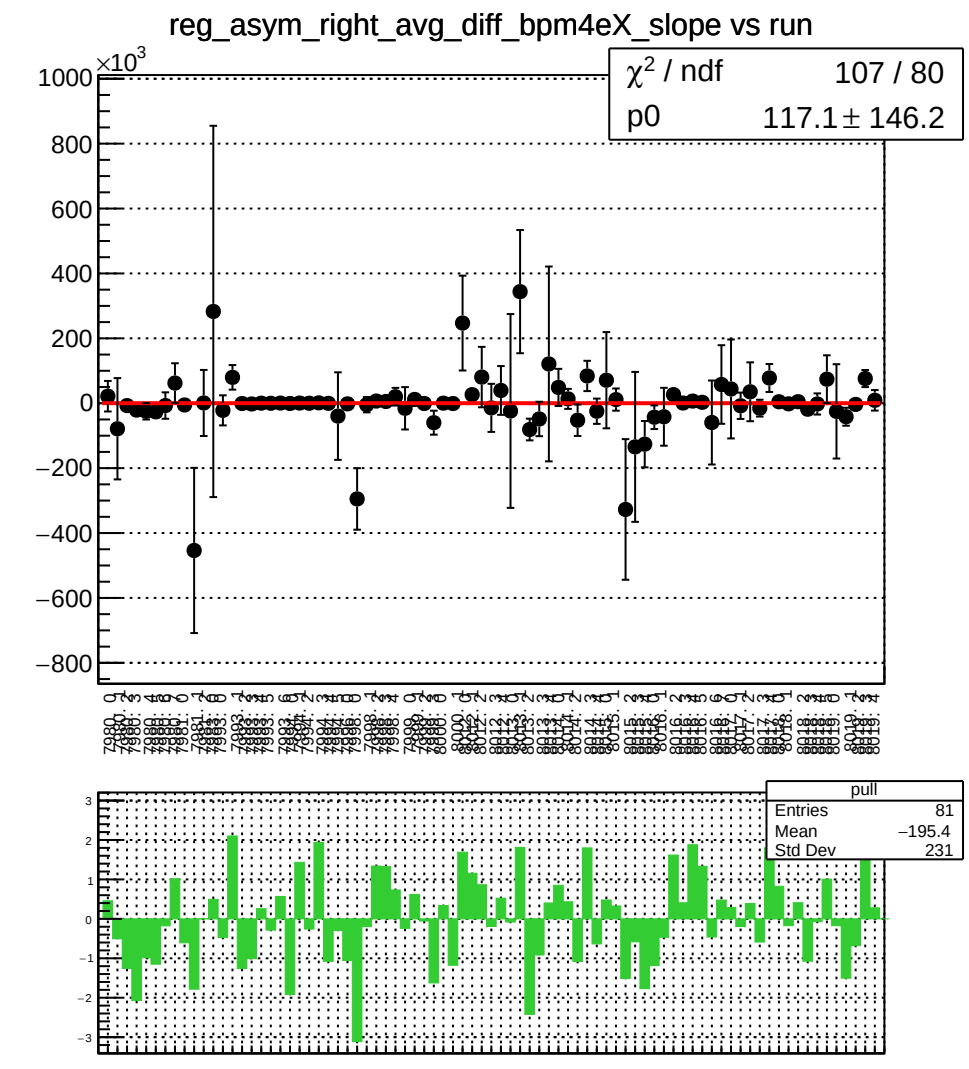

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 96.58 / 80
p0 −18.8 ± 0.138
pull
Entries 81
Mean 104.4
Std Dev 64.74
pull1D
Entries 81
Mean −0.1967
Std Dev 1.074

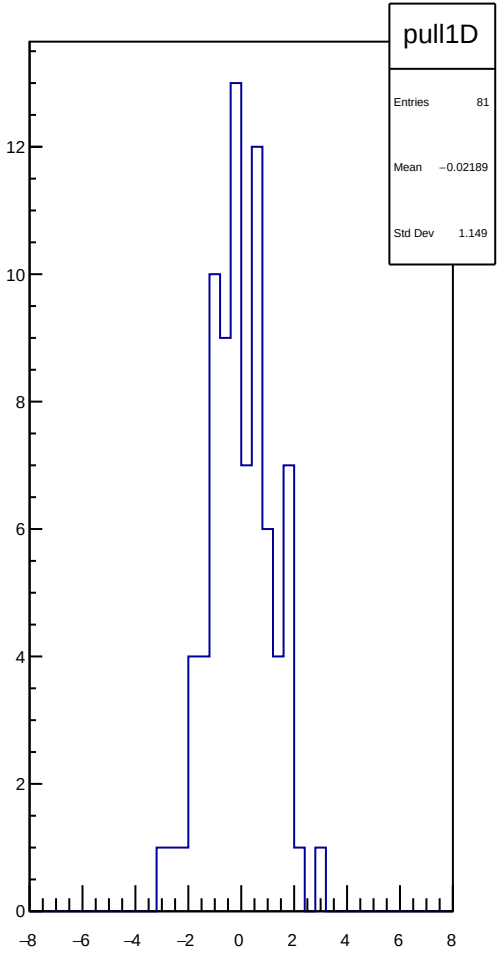

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 106.1 / 80
p0 −105 ± 156.2
pull
Entries 81
Mean −370.6
Std Dev 407.2

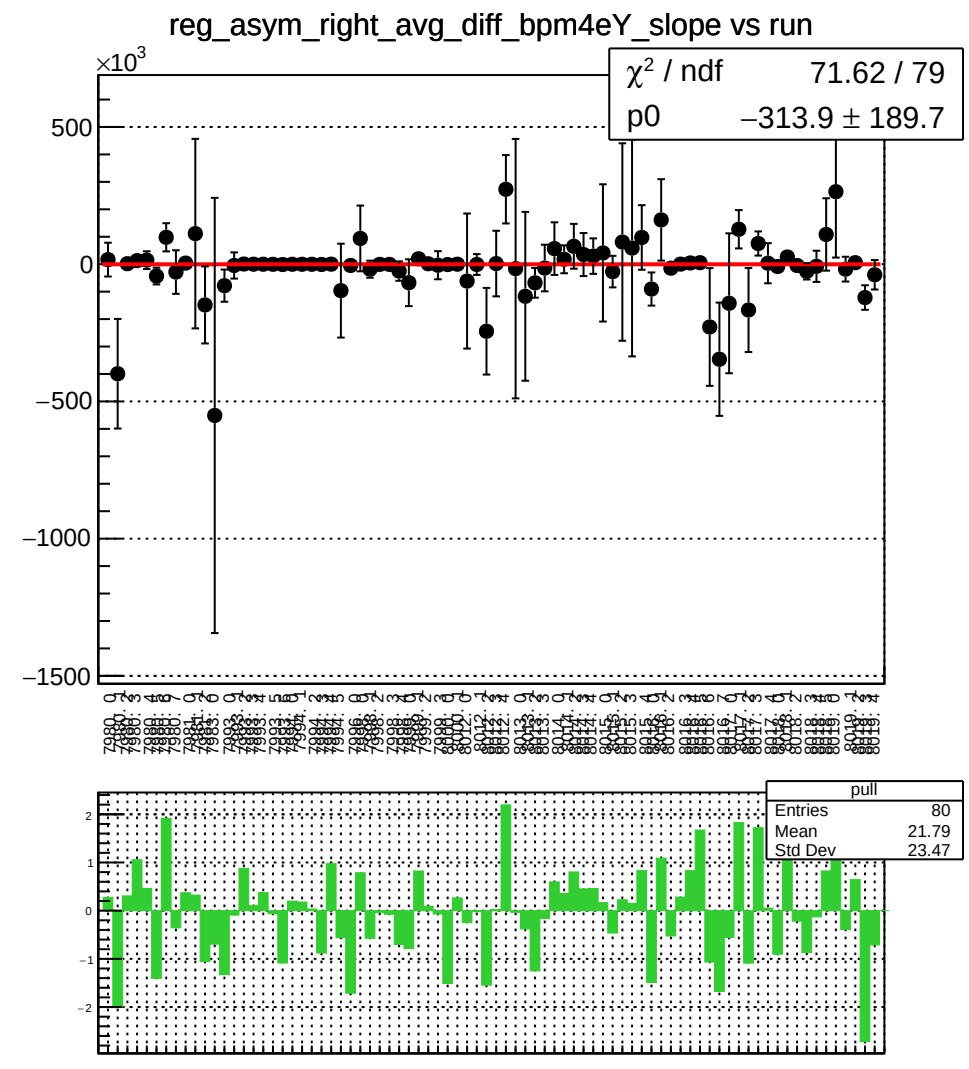

pull1D
Entries 81
Mean 0.01252
Std Dev 1.144

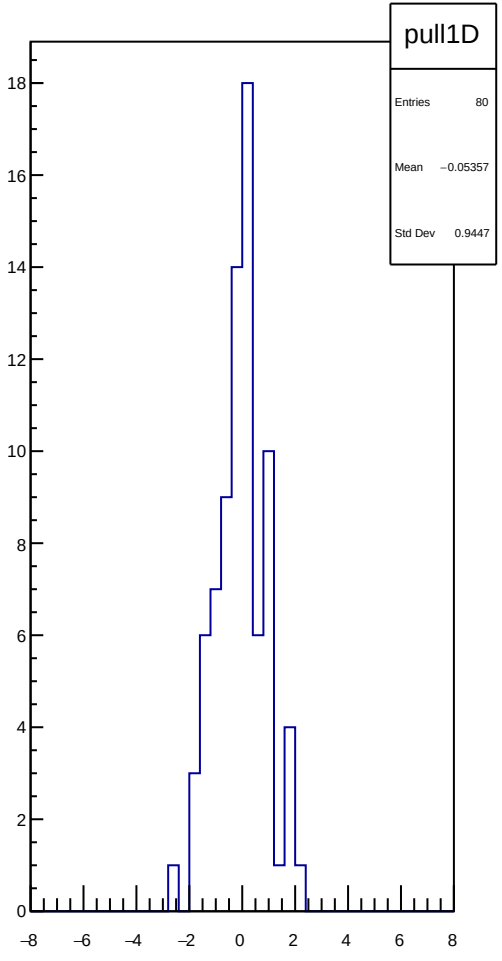

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 69.79 / 79
p0 275.7 ± 168.8
pull
Entries 80
Mean 15.63
Std Dev 23.82

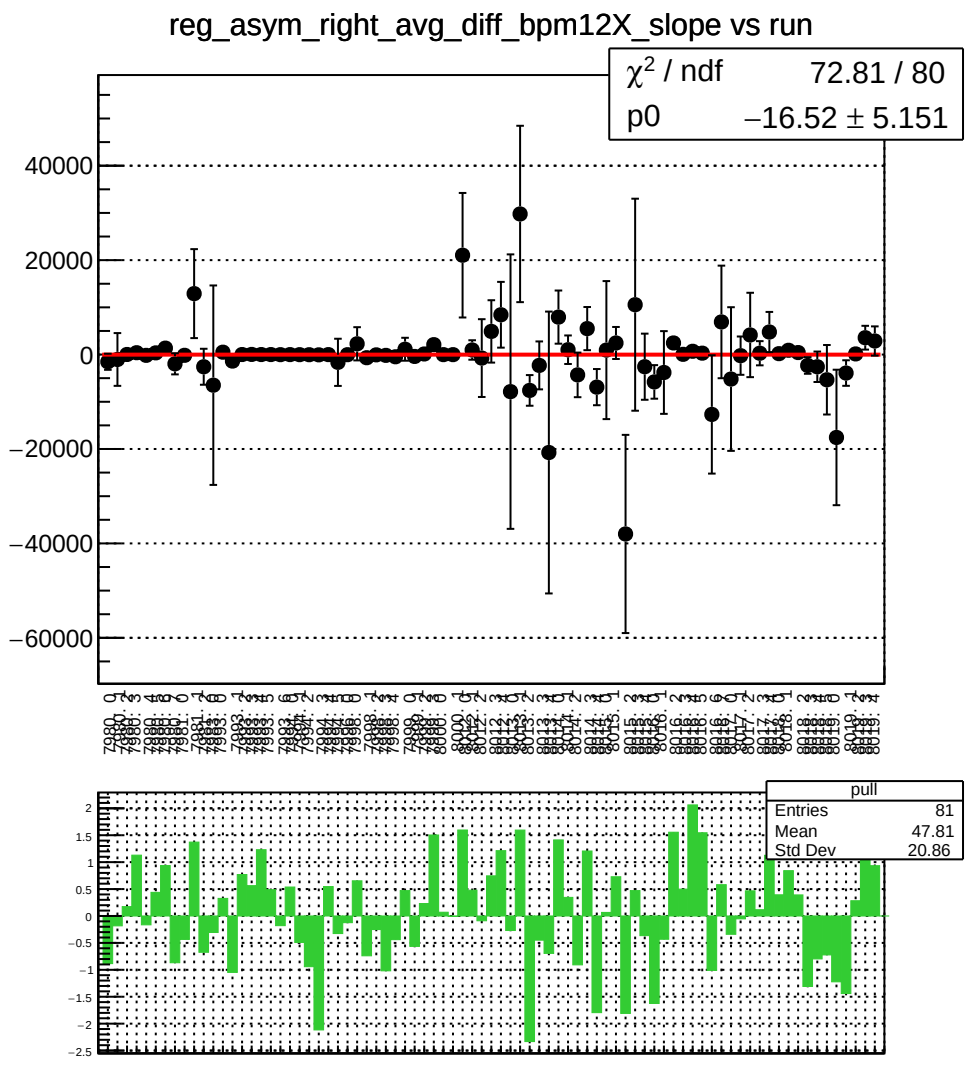

pull1D
Entries 80
Mean 0.0345
Std Dev 0.9334

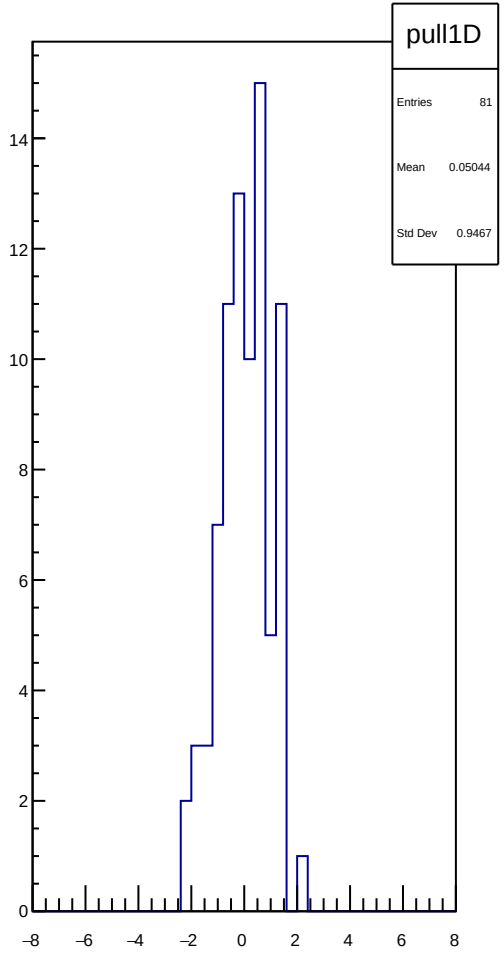

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 107 / 80
p0 117.1 ± 146.2
×10³
pull
Entries 81
Mean −195.4
Std Dev 231

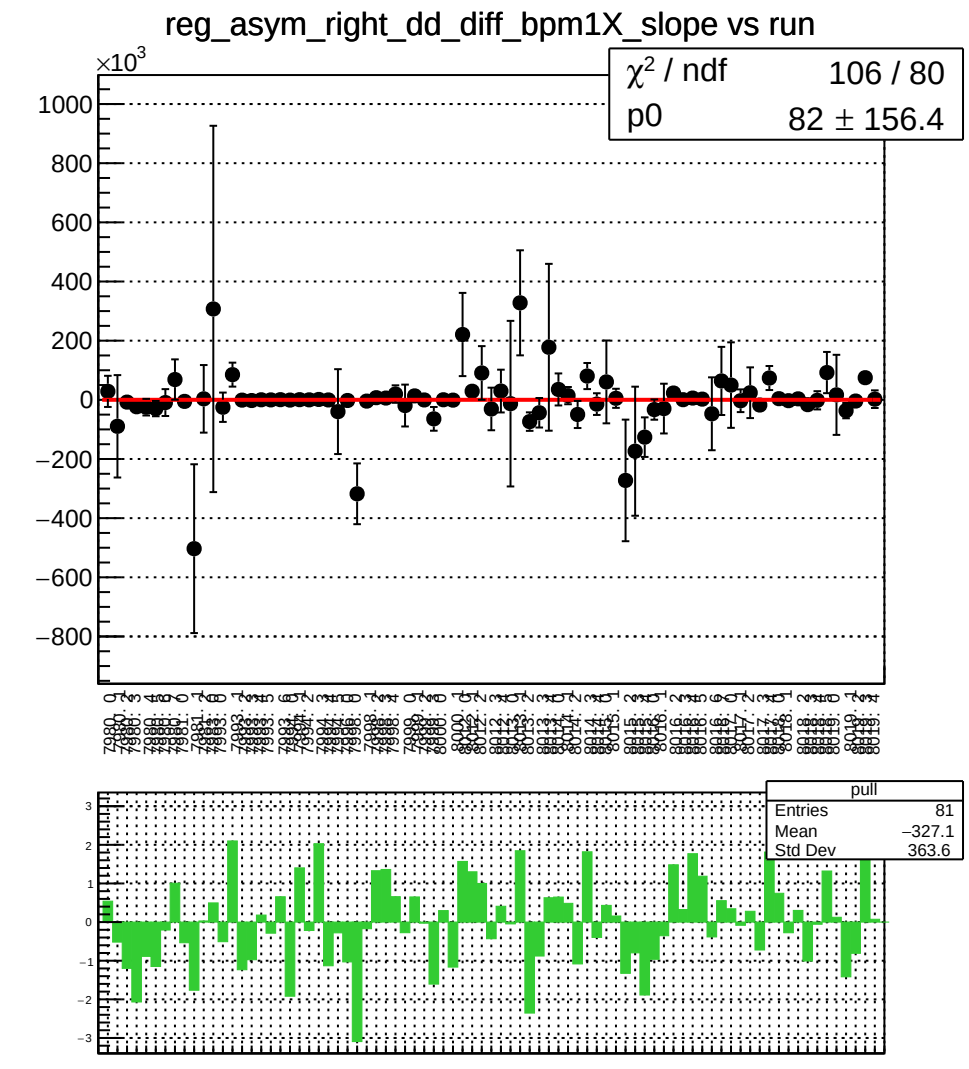

pull1D
Entries 81
Mean −0.02189
Std Dev 1.149

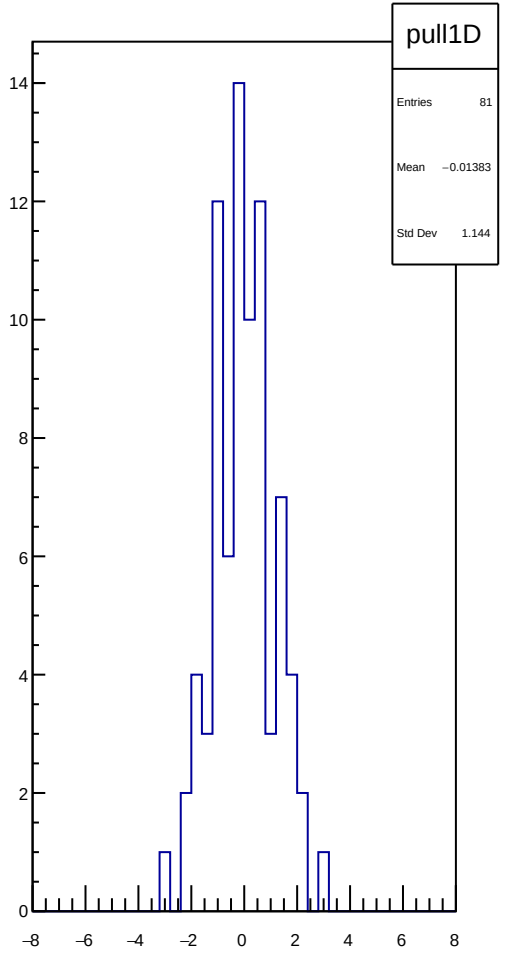

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 71.62 / 79
p0 −313.9 ± 189.7
×10³
pull
Entries 80
Mean 21.79
Std Dev 23.47

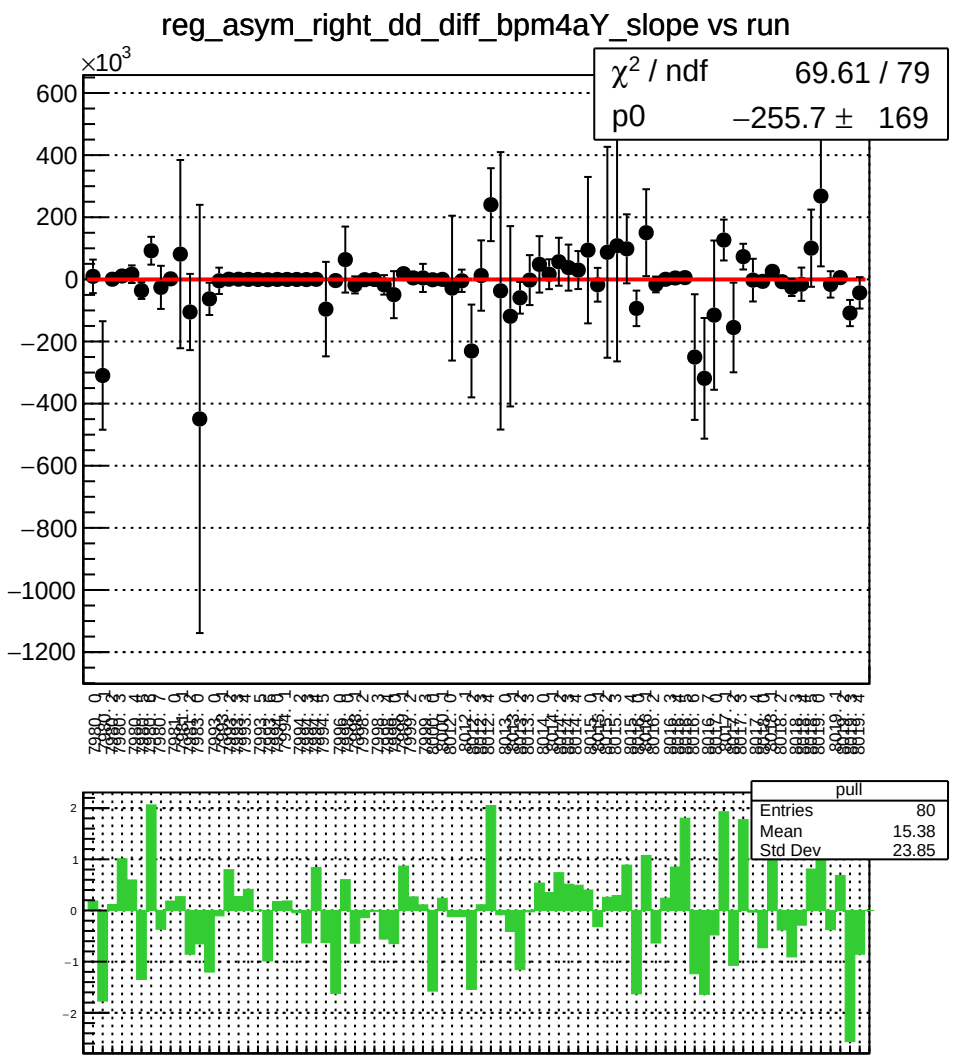

pull1D
Entries 80
Mean −0.05357
Std Dev 0.9447

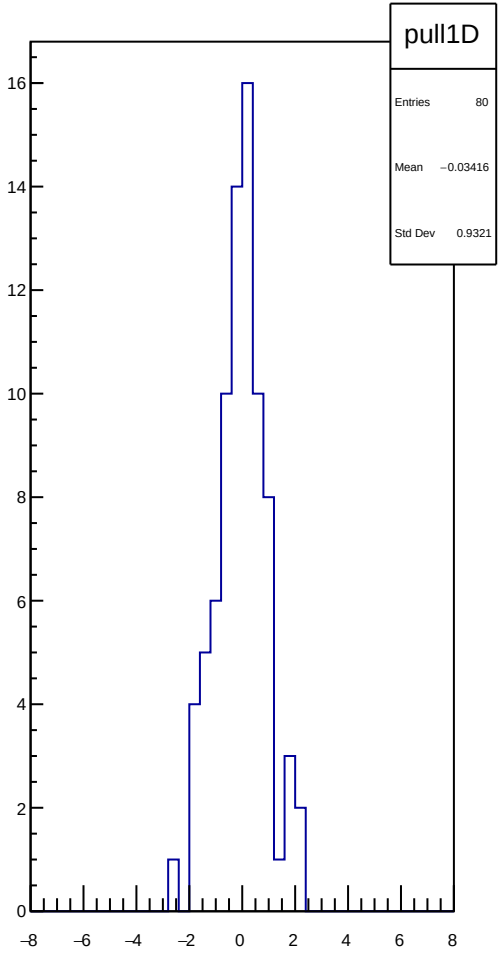

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 72.81 / 80
p0 −16.52 ± 5.151
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 47.81
Std Dev 20.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

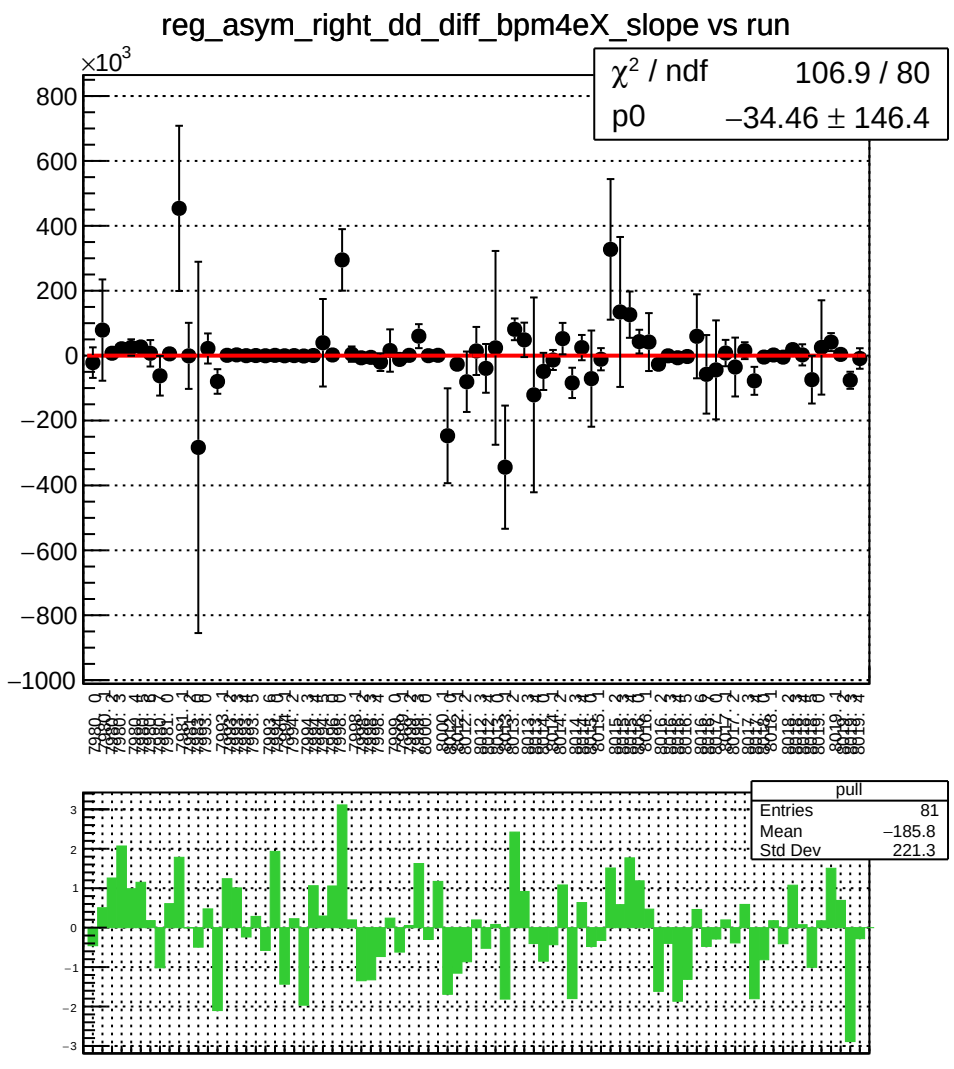

pull1D
Entries 81
Mean 0.05044
Std Dev 0.9467
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

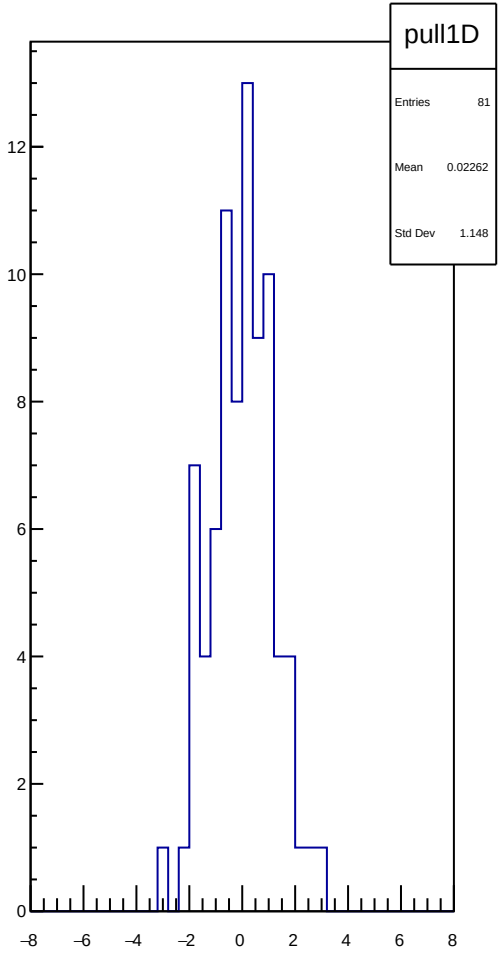

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 106 / 80
p0 82 ± 156.4
1000
800
600
400
200
0
−200
−400
−600
−800
pull
Entries 81
Mean −327.1
Std Dev 363.6
3
2
1
0
−1
−2
−3

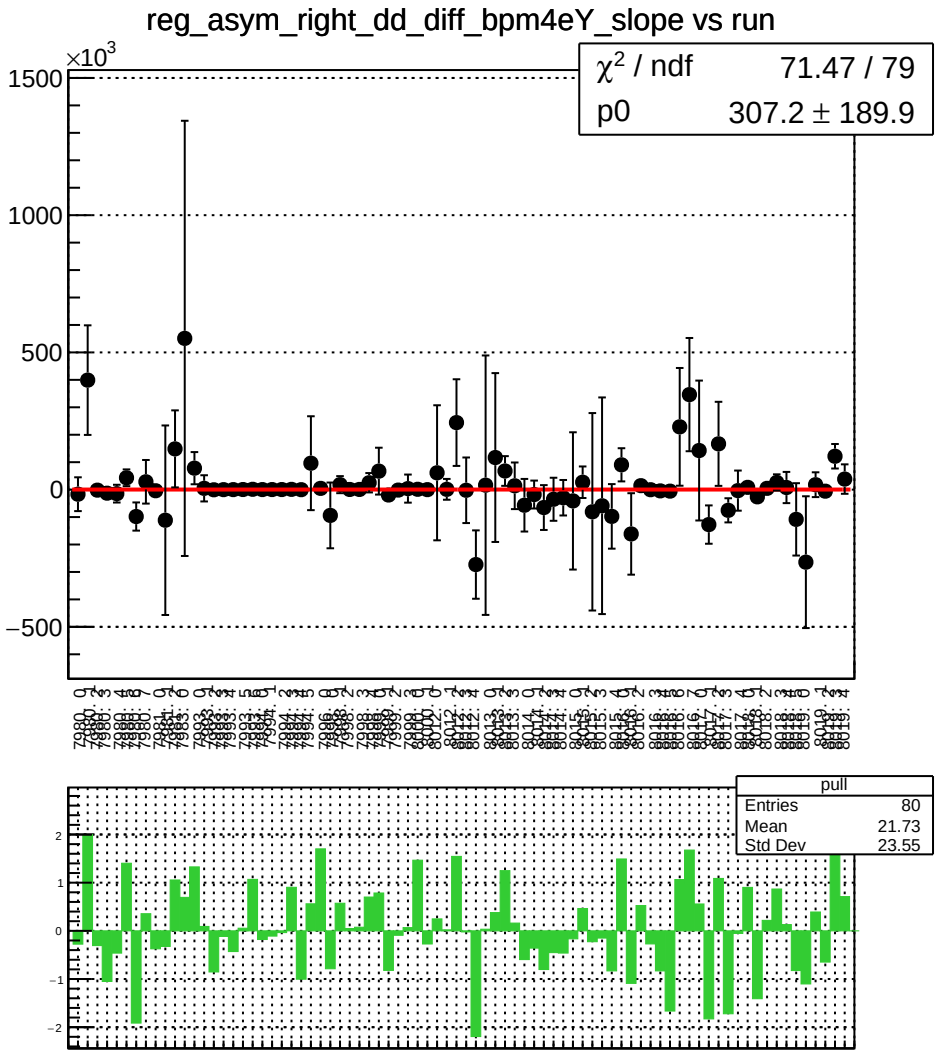

pull1D
Entries 81
Mean −0.01383
Std Dev 1.144
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

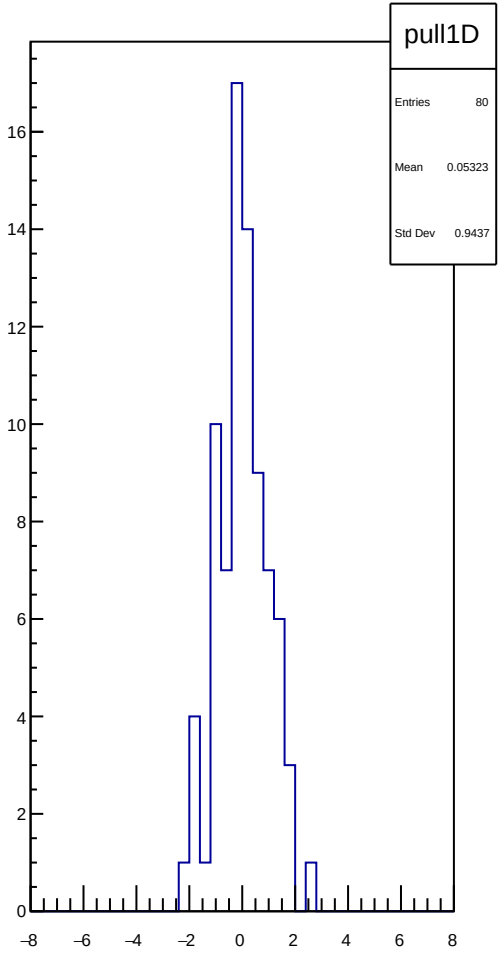

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 69.61 / 79
p0 −255.7 ± 169
pull
Entries 80
Mean 15.38
Std Dev 23.85

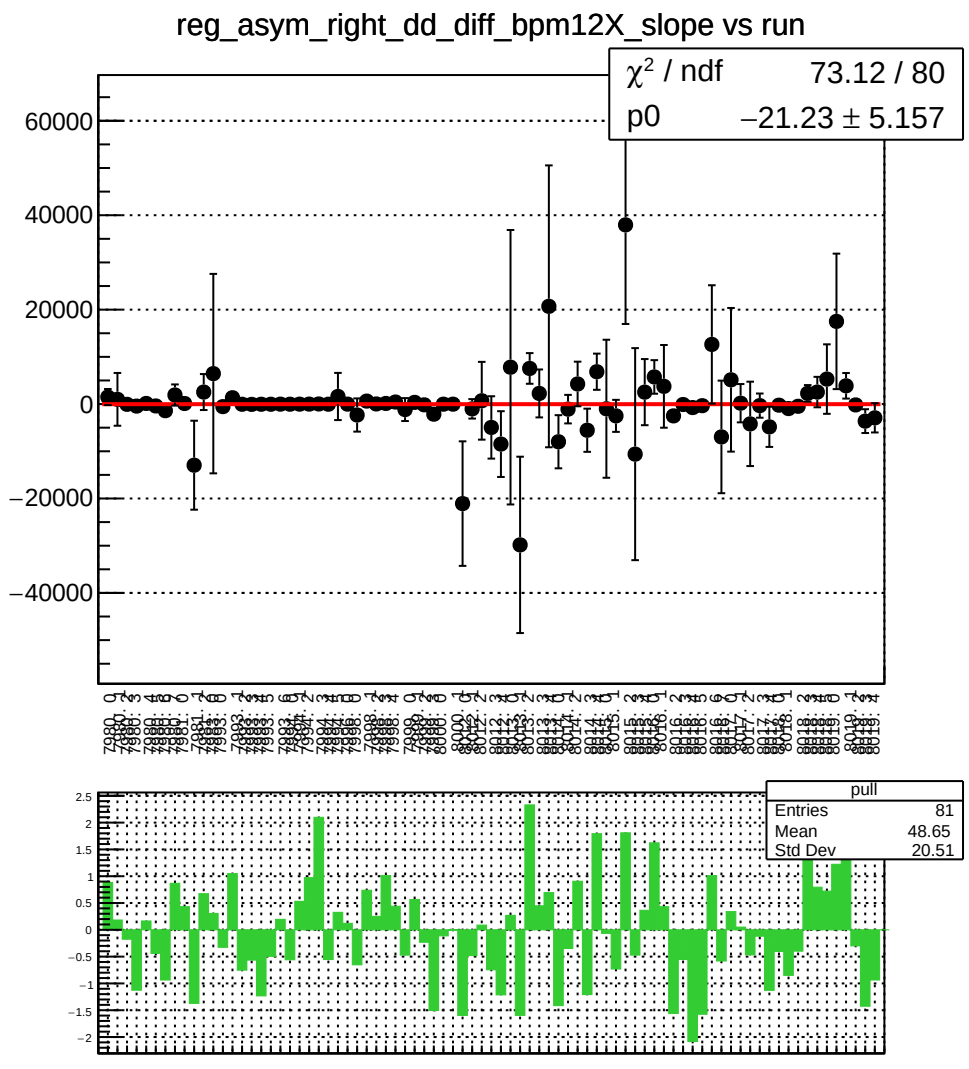

pull1D
Entries 80
Mean −0.03416
Std Dev 0.9321

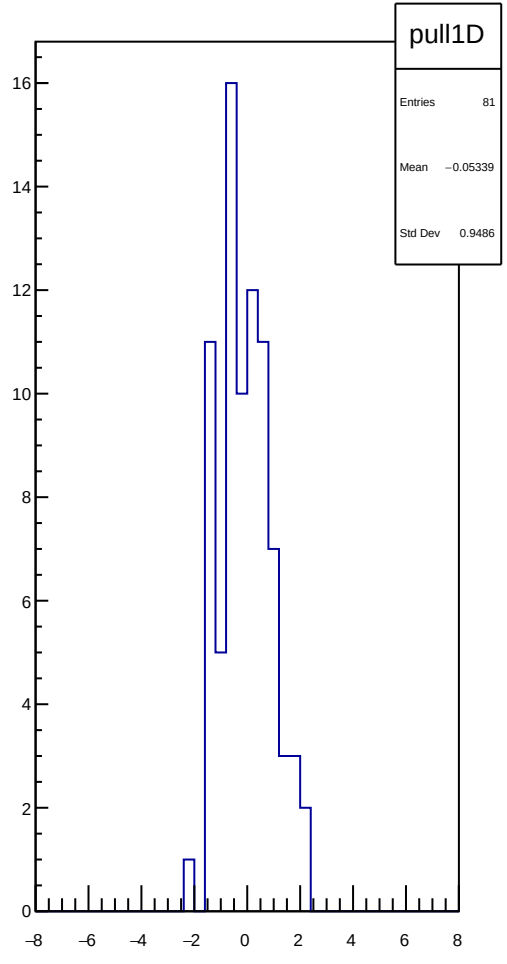

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 106.9 / 80
p0 −34.46 ± 146.4
pull
Entries 81
Mean −185.8
Std Dev 221.3

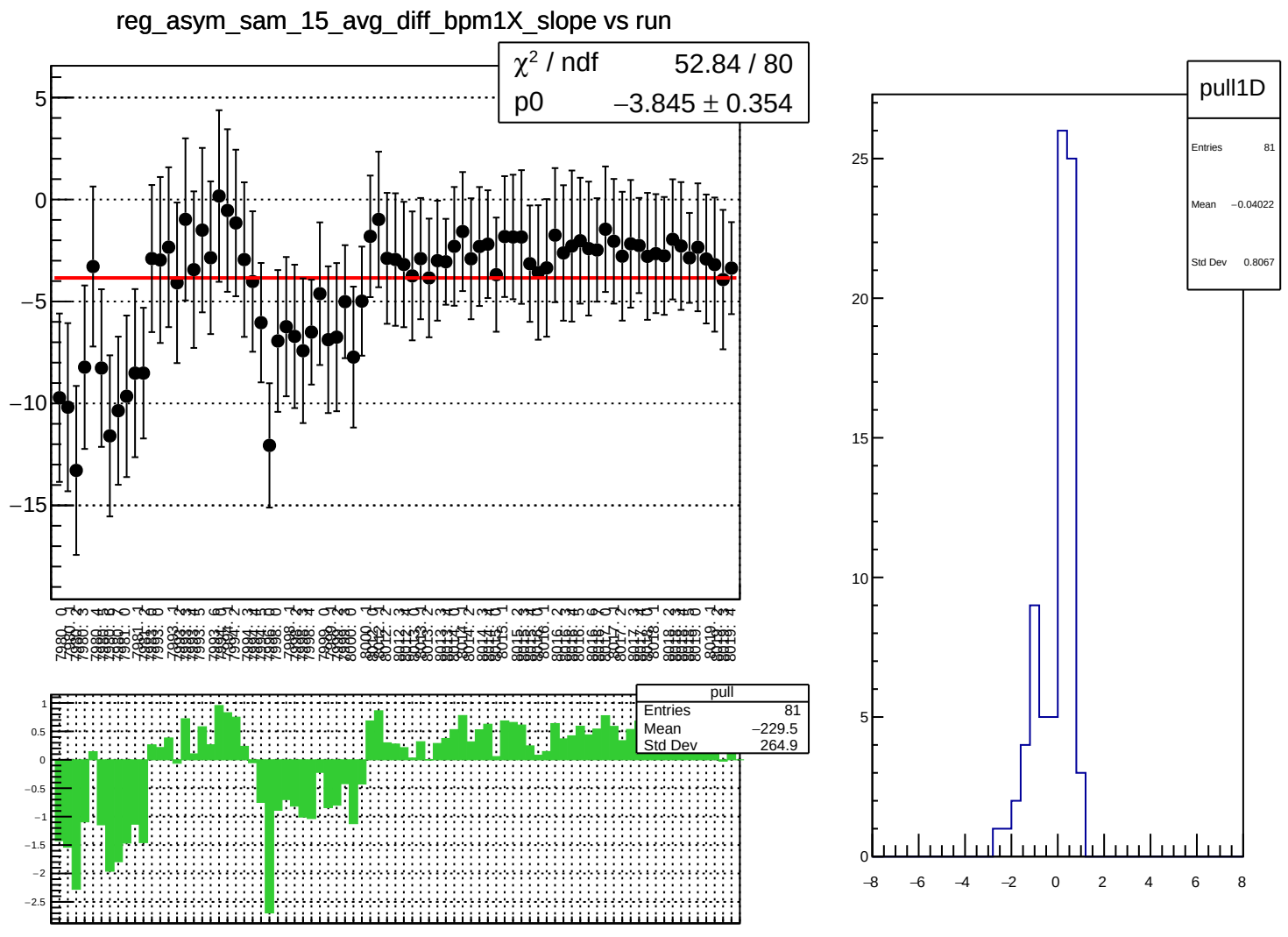

pull1D
Entries 81
Mean 0.02262
Std Dev 1.148

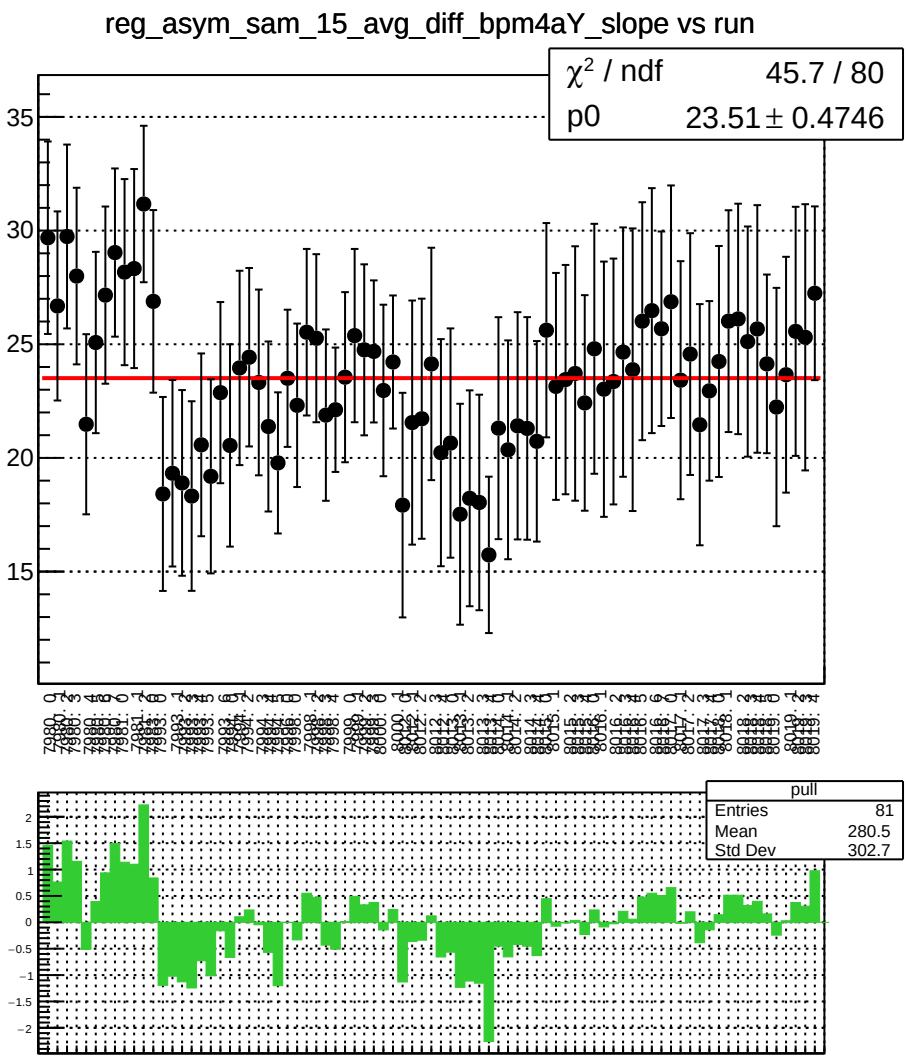

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
1500
1000
500
0
−500
χ² / ndf 71.47 / 79
p0 307.2 ± 189.9
pull
Entries 80
Mean 21.73
Std Dev 23.55
2
1
0
−1
−2

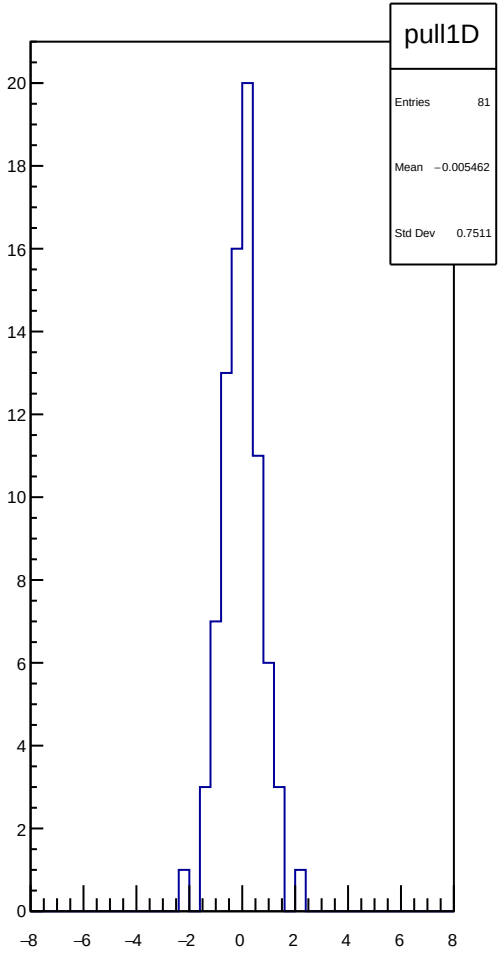

pull1D
Entries 80
Mean 0.05323
Std Dev 0.9437
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

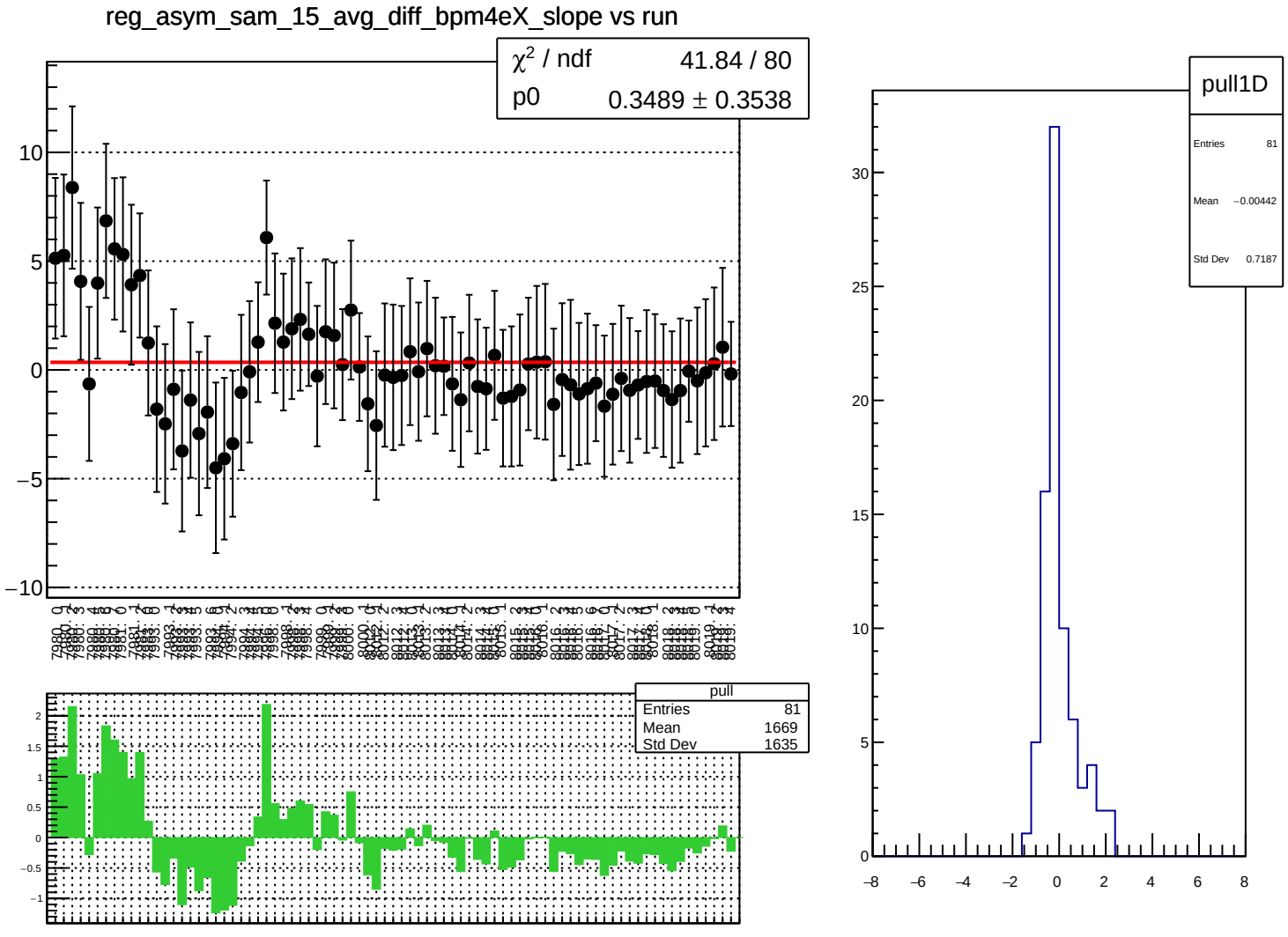

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 73.12 / 80
p0 −21.23 ± 5.157
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 48.65
Std Dev 20.51
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

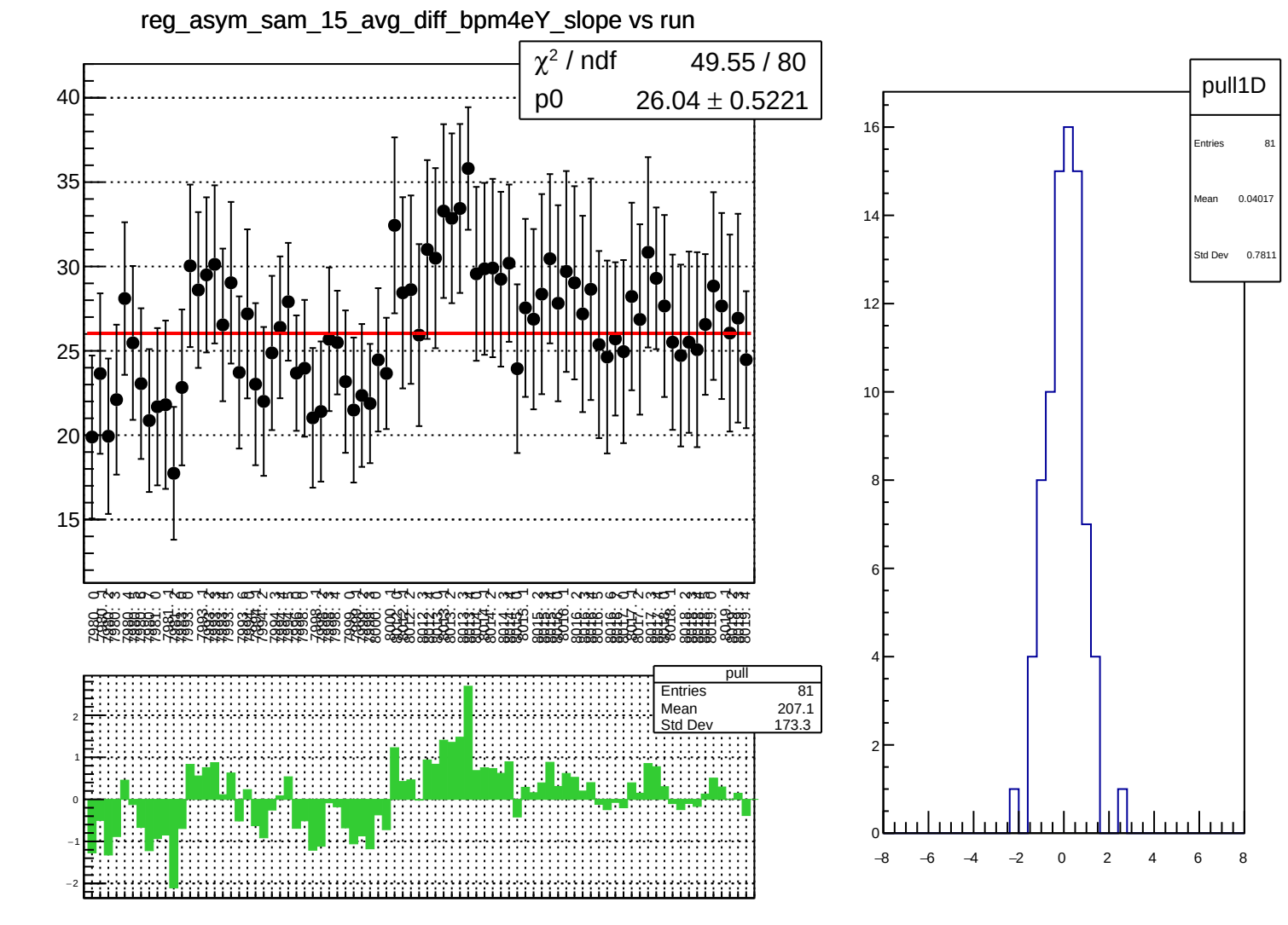

pull1D
Entries 81
Mean −0.05339
Std Dev 0.9486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

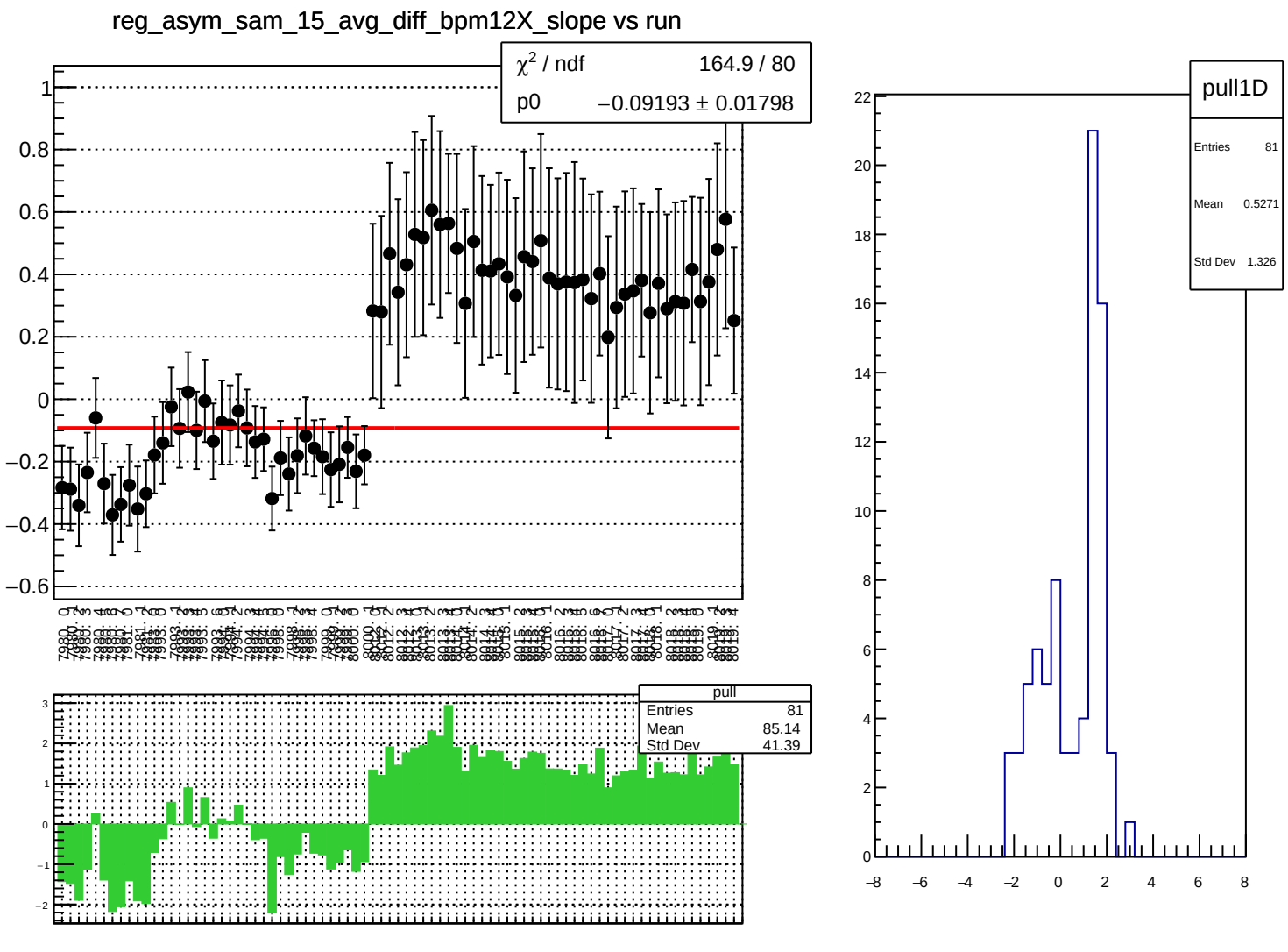

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 52.84 / 80
p0 −3.845 ± 0.354
pull
Entries 81
Mean −229.5
Std Dev 264.9
pull1D
Entries 81
Mean −0.04022
Std Dev 0.8067

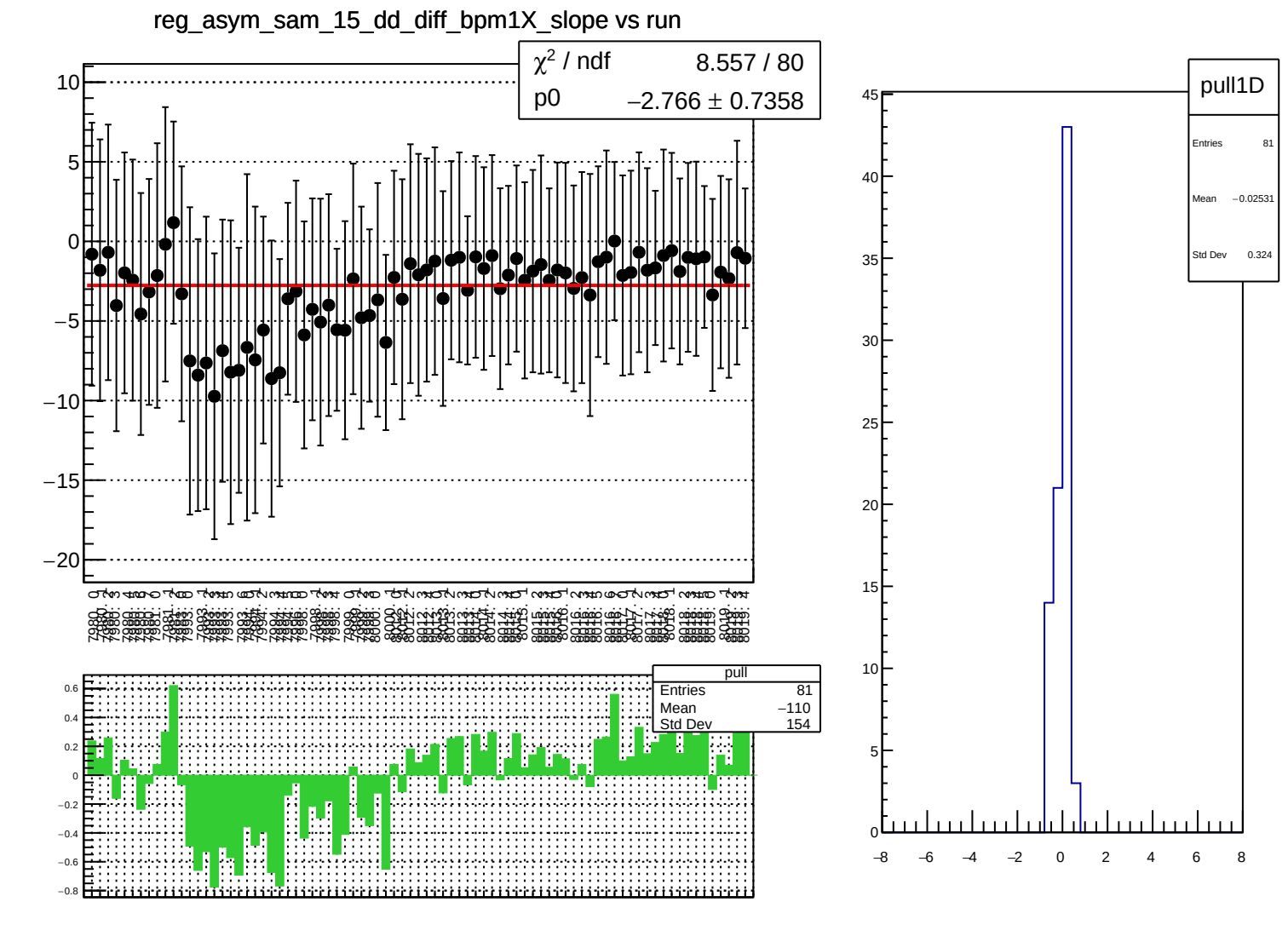

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.7 / 80
p0 23.51 ± 0.4746
pull
Entries 81
Mean 280.5
Std Dev 302.7

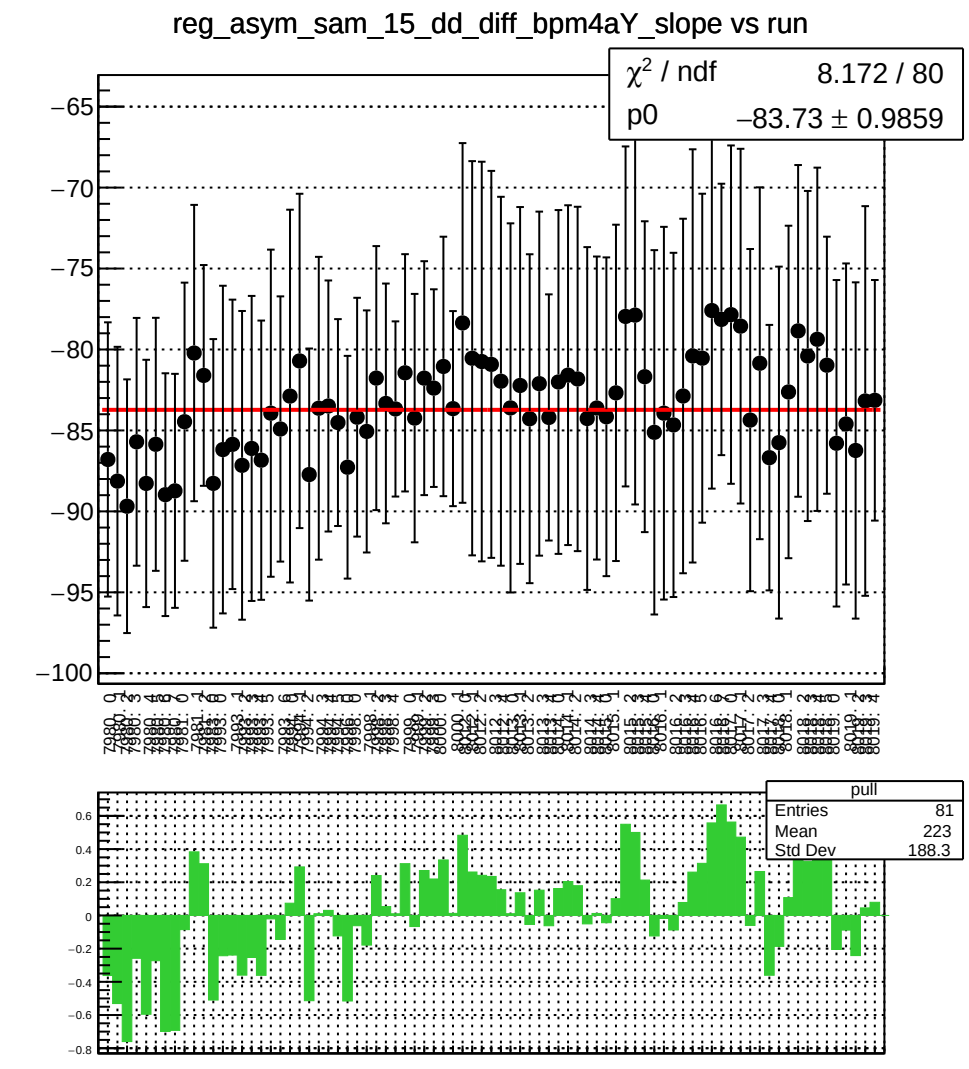

pull1D
Entries 81
Mean −0.005462
Std Dev 0.7511

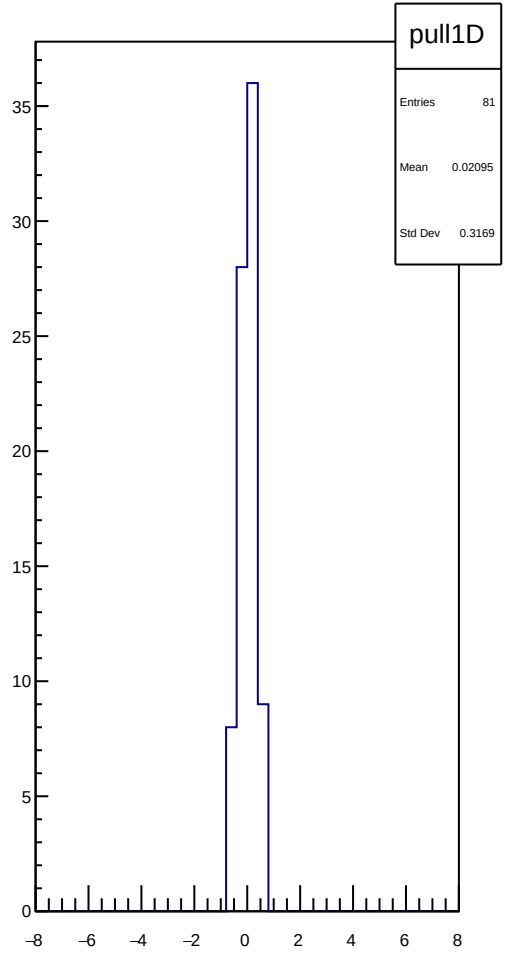

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.84 / 80
p0 0.3489 ± 0.3538
pull
Entries 81
Mean 1669
Std Dev 1635
pull1D
Entries 81
Mean −0.00442
Std Dev 0.7187

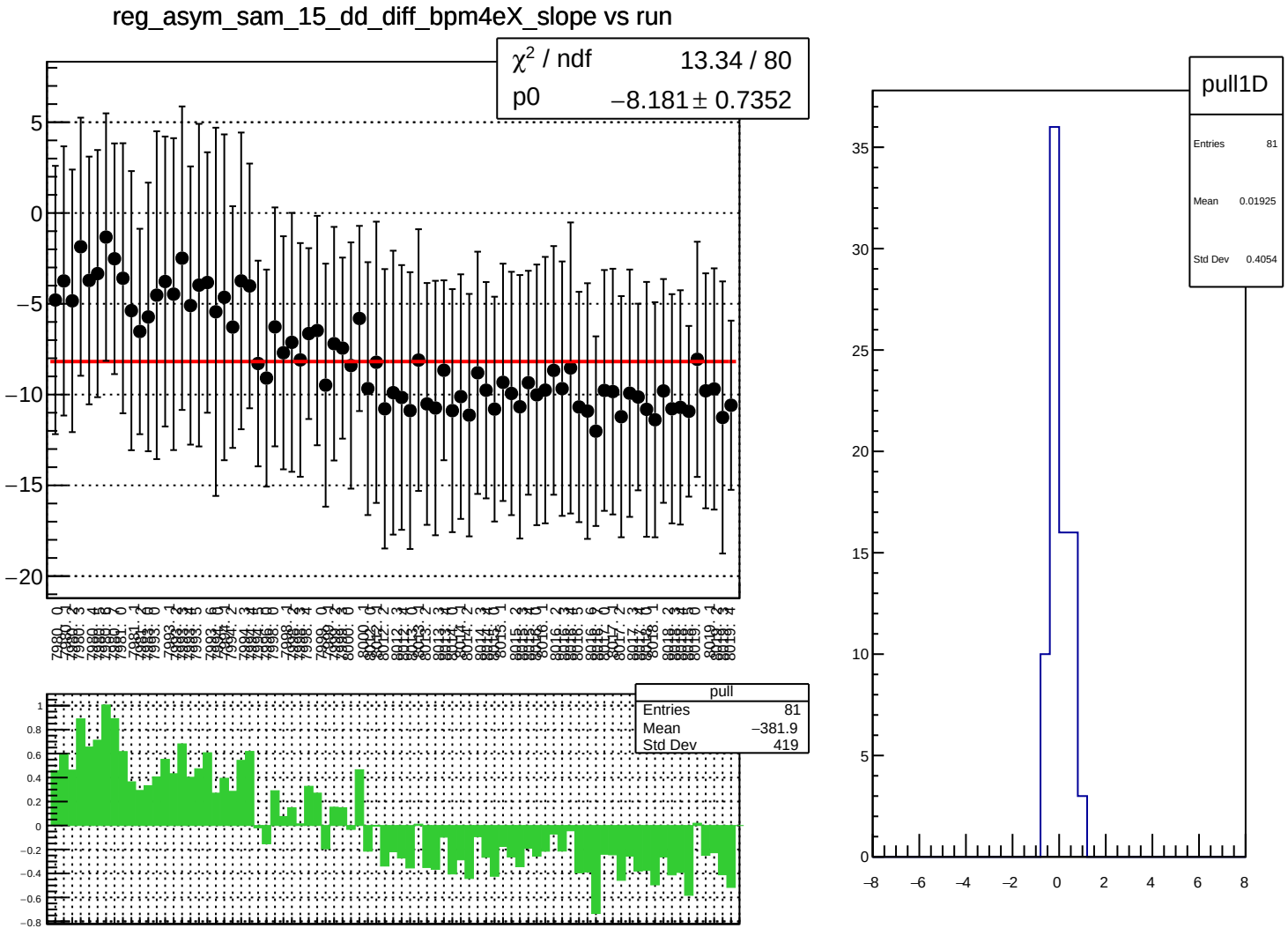

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.55 / 80
p0 26.04 ± 0.5221
pull
Entries 81
Mean 207.1
Std Dev 173.3
pull1D
Entries 81
Mean 0.04017
Std Dev 0.7811

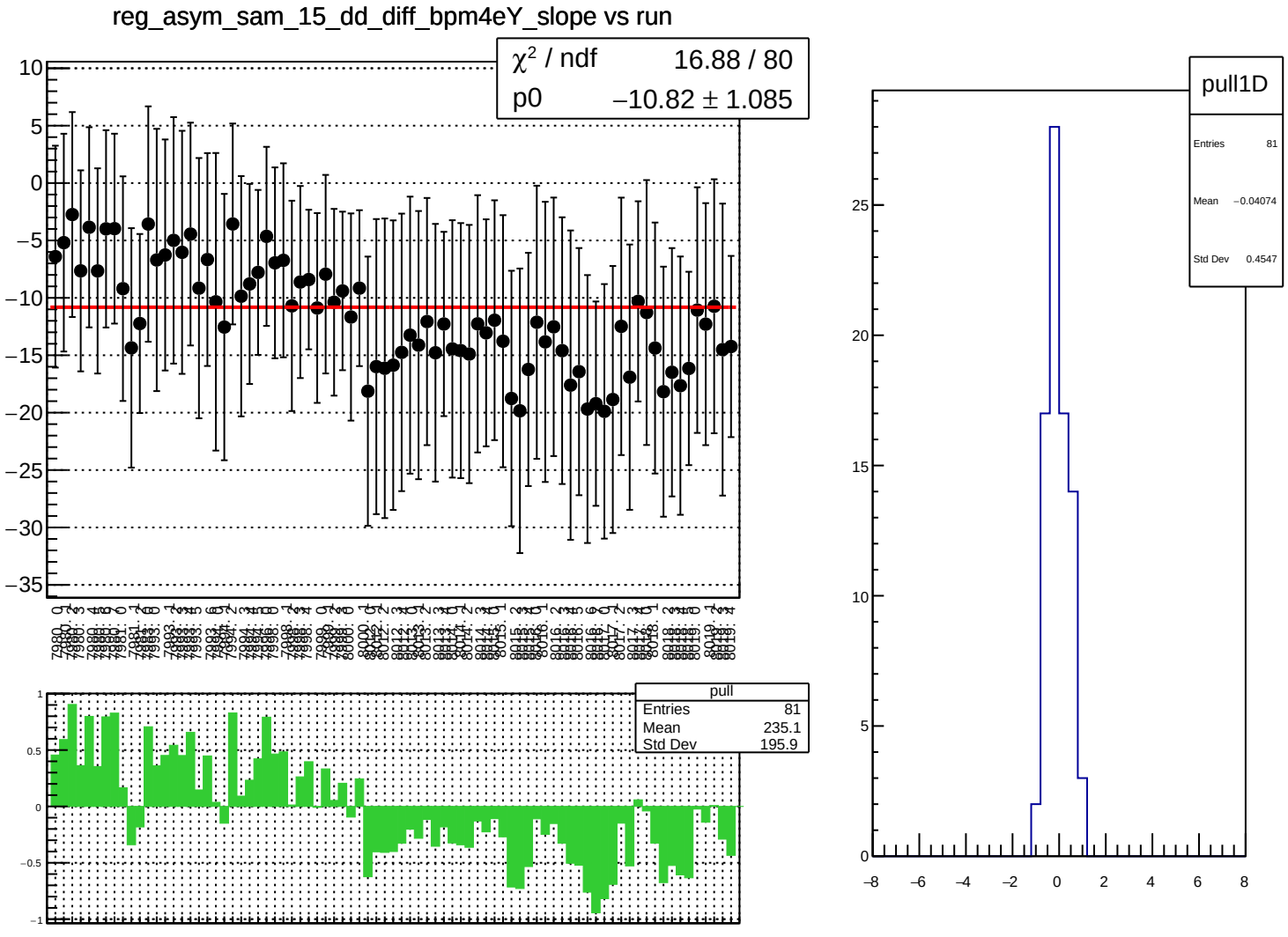

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 164.9 / 80
p0 −0.09193 ± 0.01798
pull
Entries 81
Mean 85.14
Std Dev 41.39
pull1D
Entries 81
Mean 0.5271
Std Dev 1.326

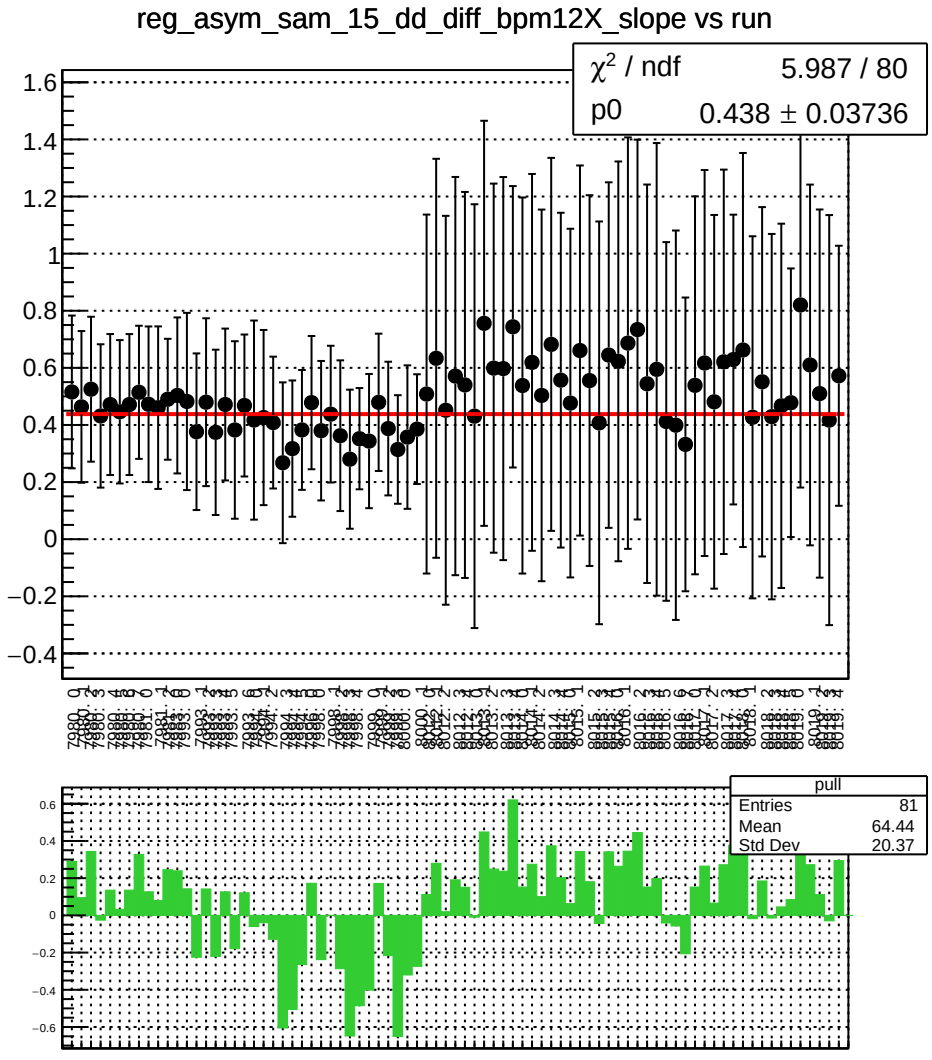

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.557 / 80
p0 −2.766 ± 0.7358
pull
Entries 81
Mean −110
Std Dev 154
pull1D
Entries 81
Mean −0.02531
Std Dev 0.324

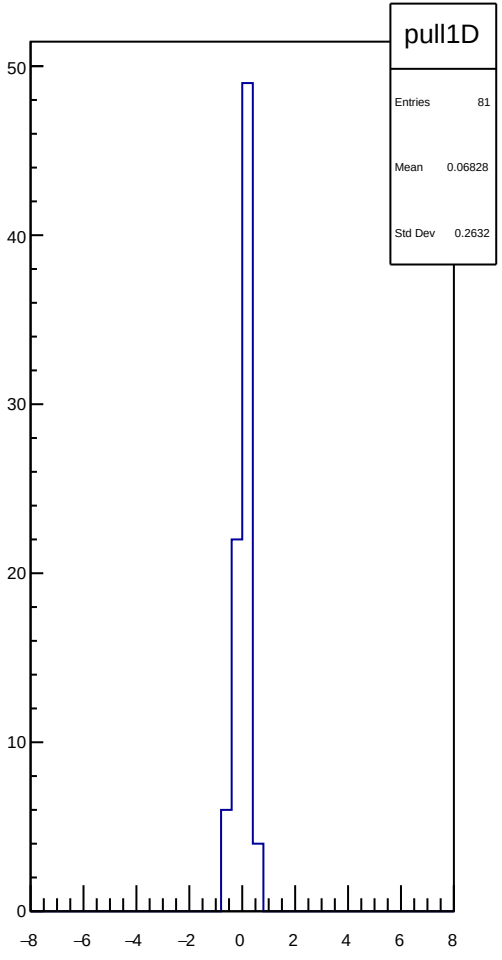

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.172 / 80
p0 −83.73 ± 0.9859
pull
Entries 81
Mean 223
Std Dev 188.3

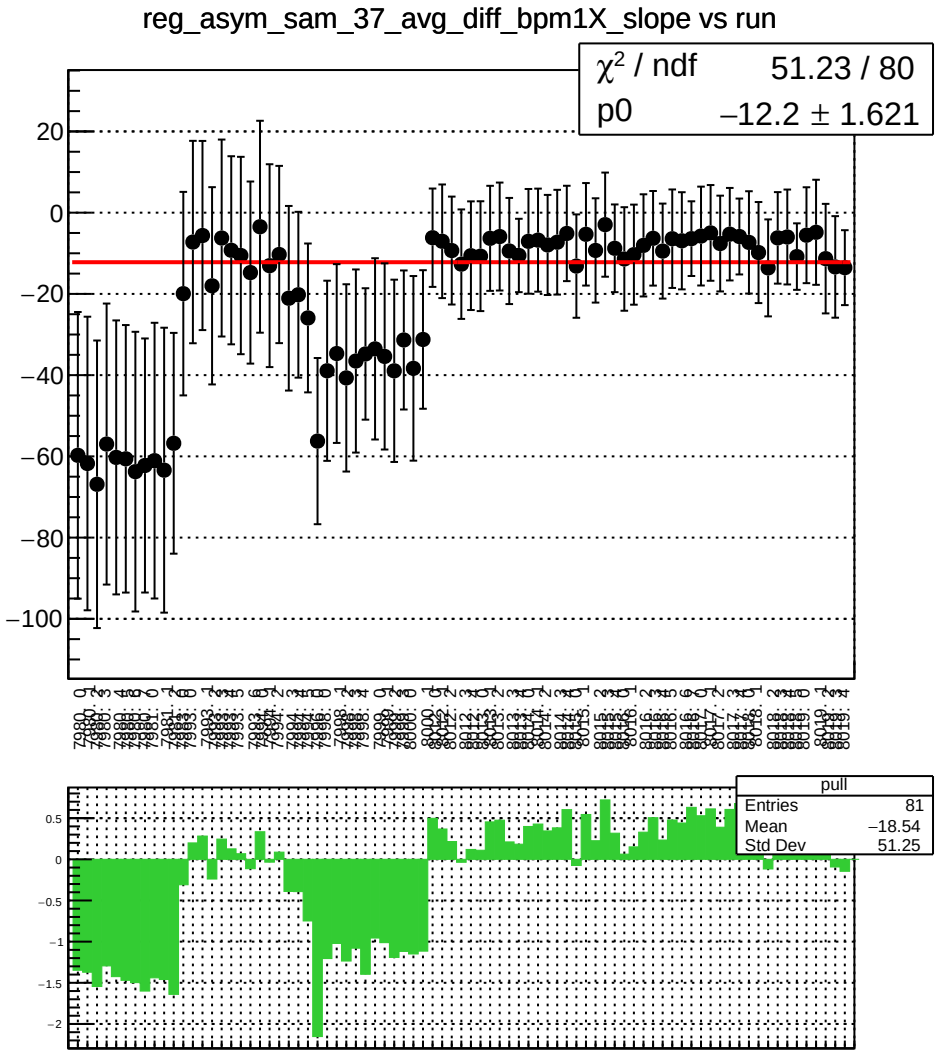

pull1D
Entries 81
Mean 0.02095
Std Dev 0.3169

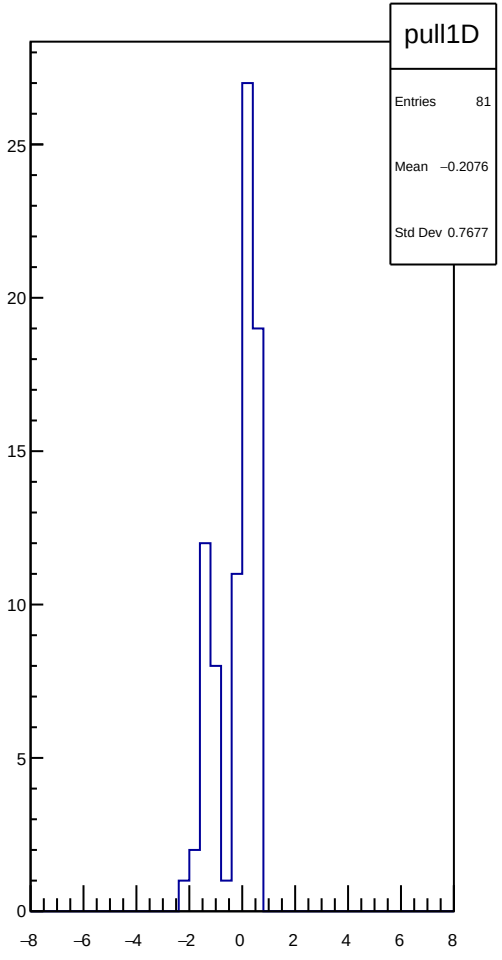

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.34 / 80
p0 −8.181 ± 0.7352
pull
Entries 81
Mean −381.9
Std Dev 419
pull1D
Entries 81
Mean 0.01925
Std Dev 0.4054

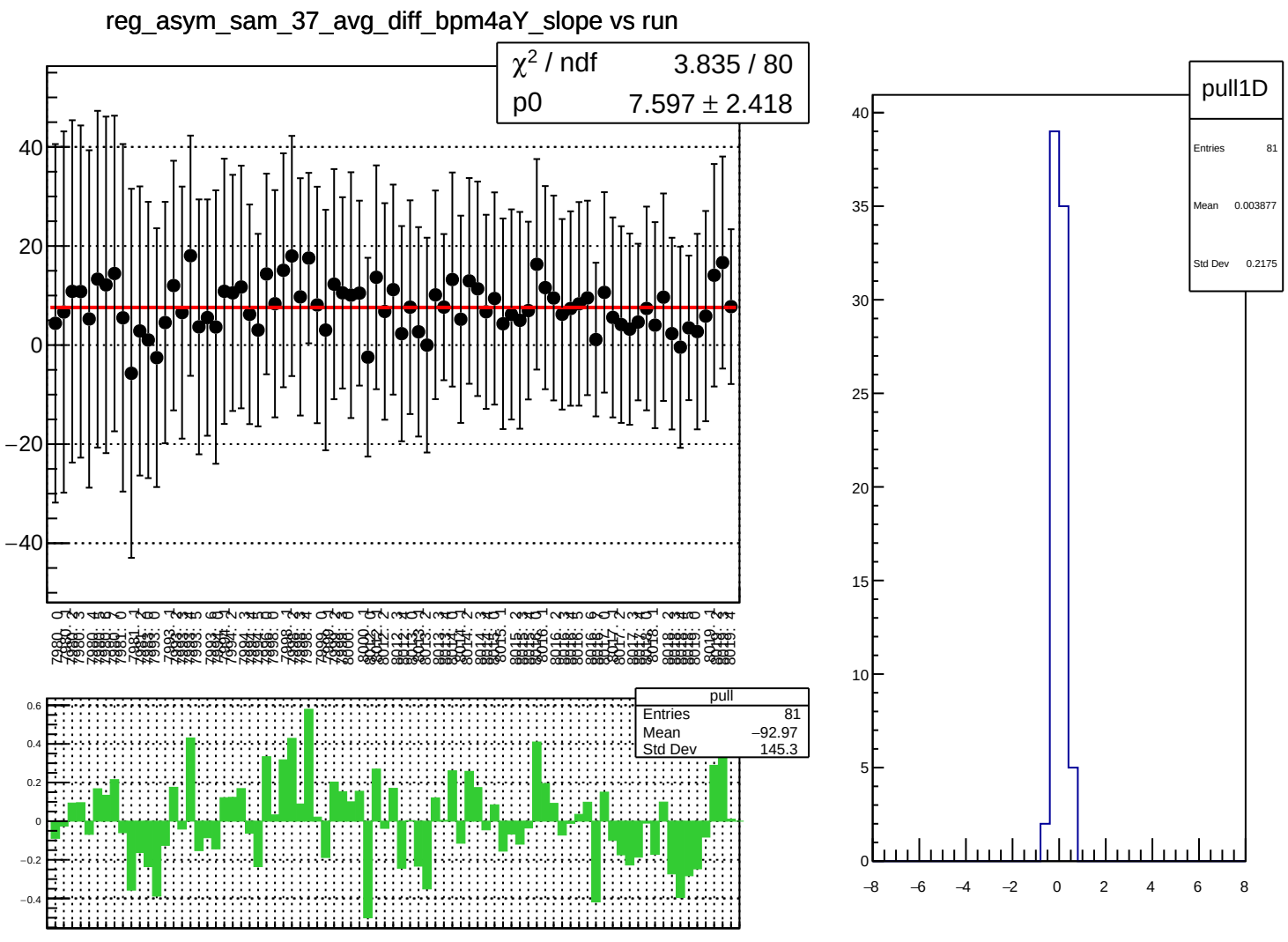

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.88 / 80
p0 −10.82 ± 1.085
pull
Entries 81
Mean 235.1
Std Dev 195.9
pull1D
Entries 81
Mean −0.04074
Std Dev 0.4547

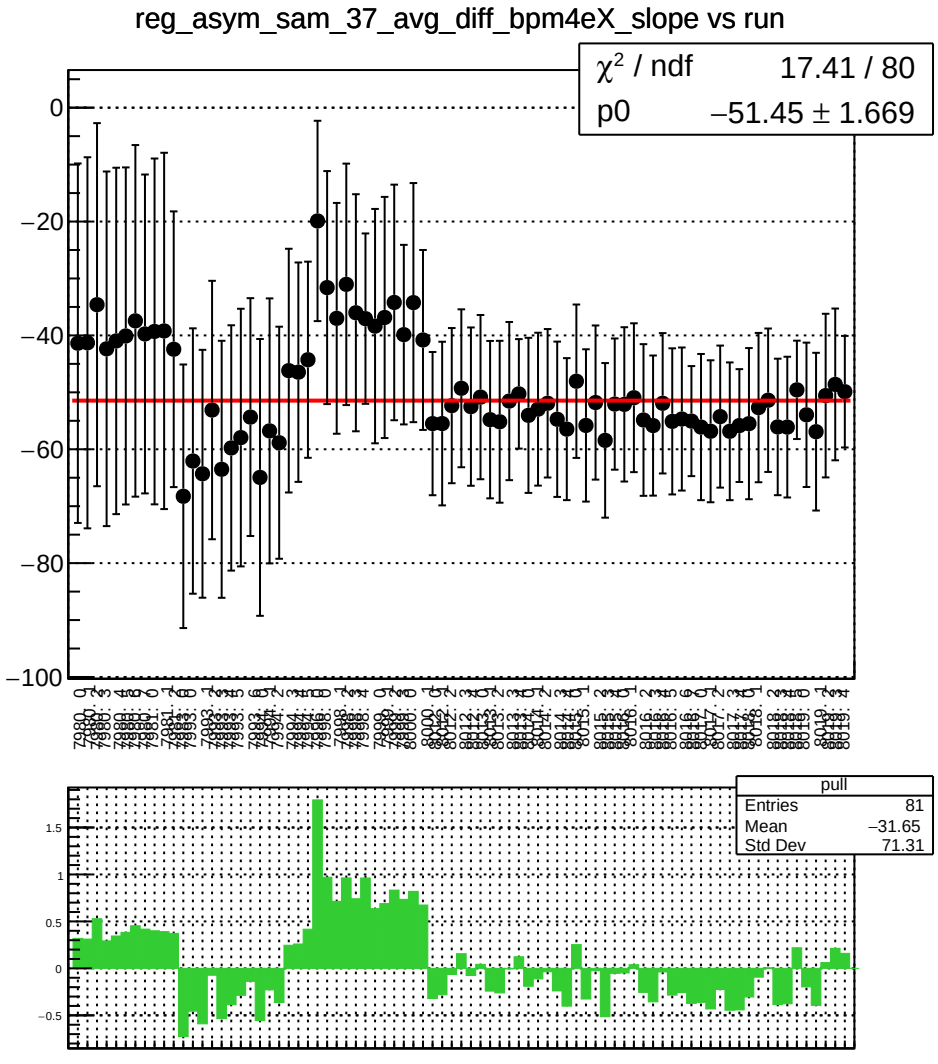

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 5.987 / 80
p0 0.438 ± 0.03736
pull
Entries 81
Mean 64.44
Std Dev 20.37

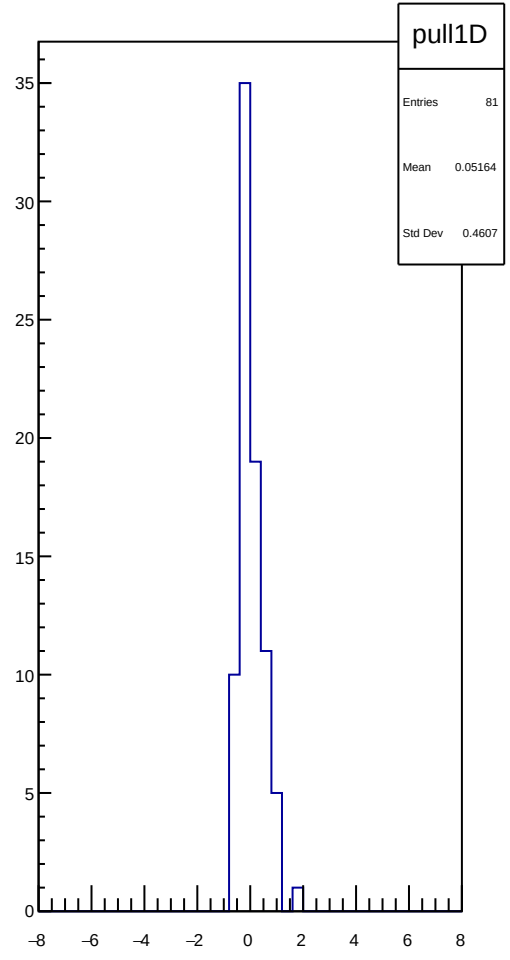

pull1D
Entries 81
Mean 0.06828
Std Dev 0.2632

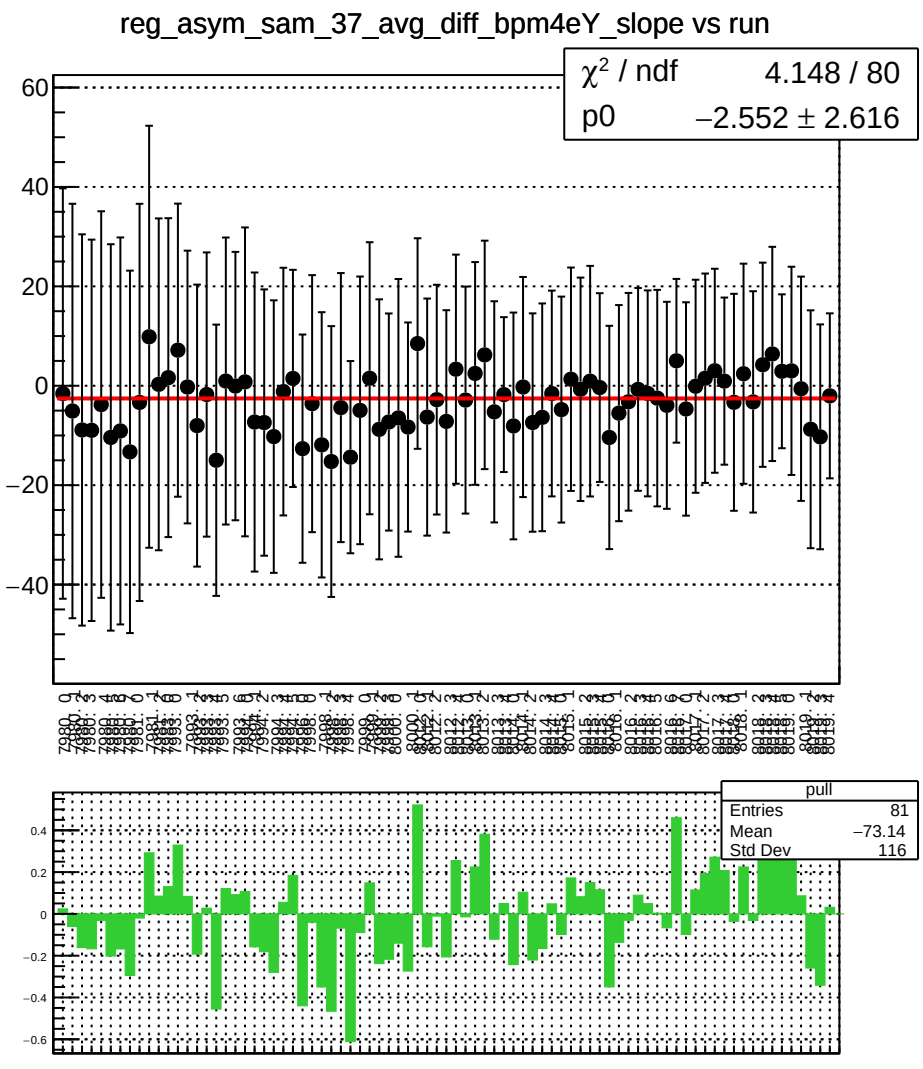

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 51.23 / 80
p0 −12.2 ± 1.621
pull
Entries 81
Mean −18.54
Std Dev 51.25

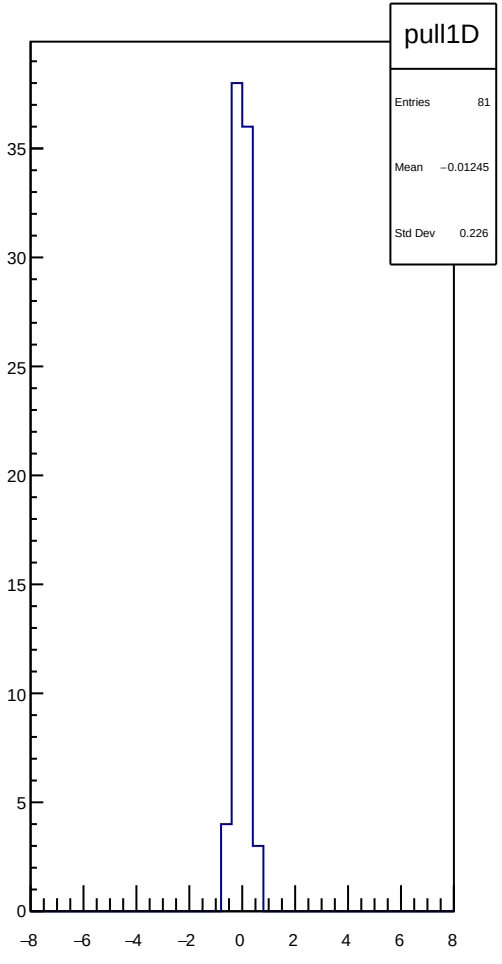

pull1D
Entries 81
Mean −0.2076
Std Dev 0.7677

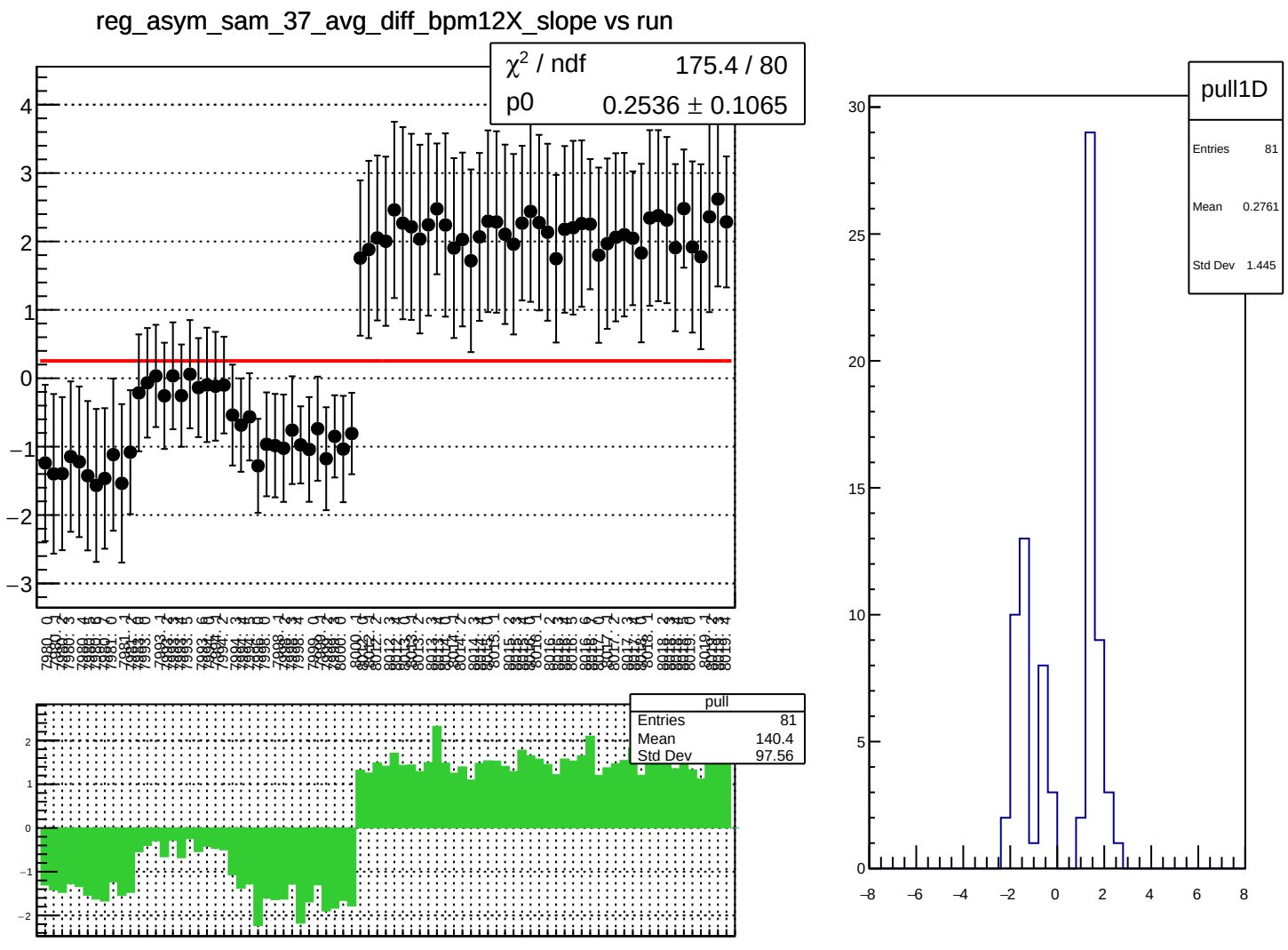

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.835 / 80
p0 7.597 ± 2.418
pull
Entries 81
Mean −92.97
Std Dev 145.3
pull1D
Entries 81
Mean 0.003877
Std Dev 0.2175

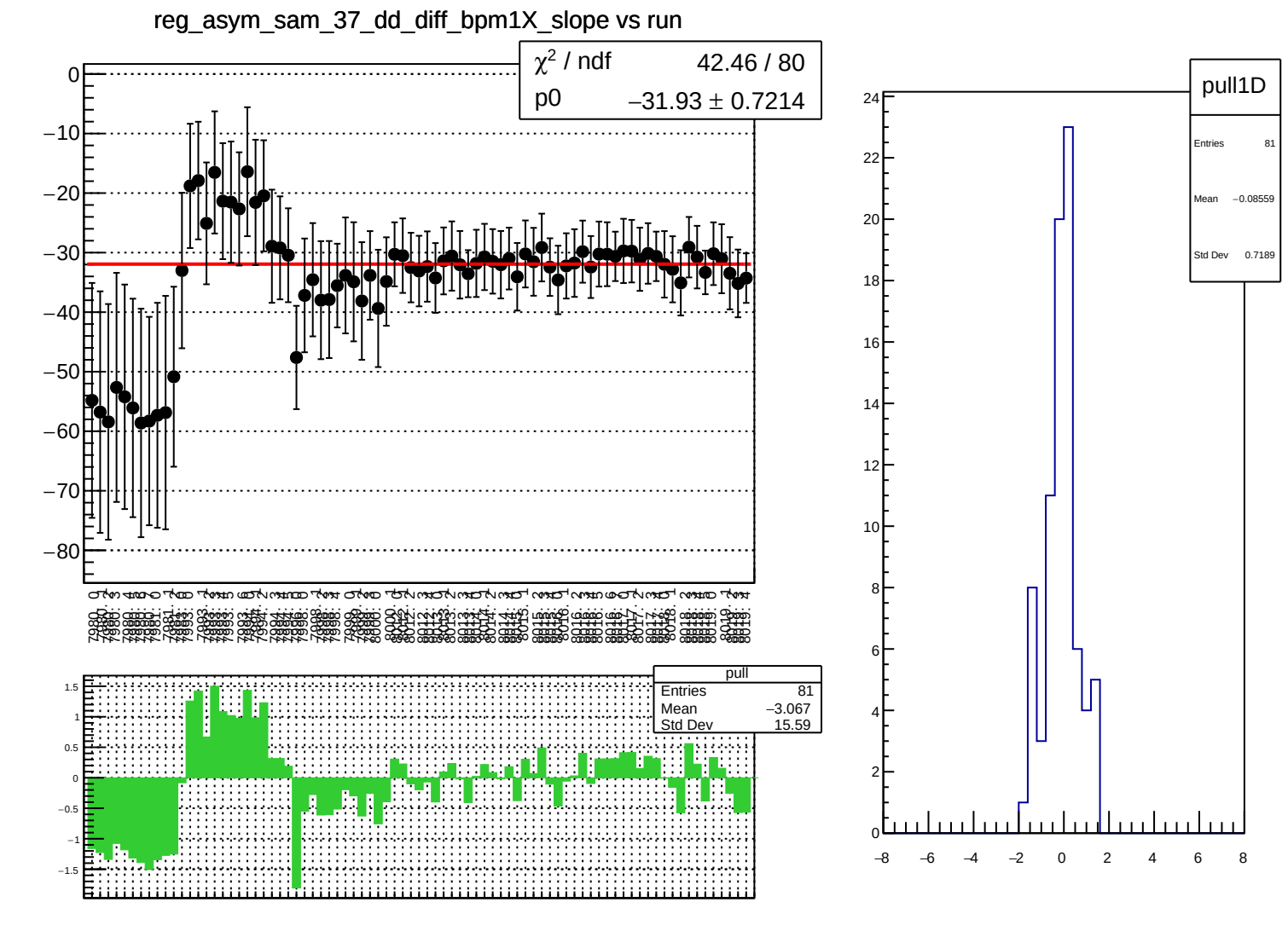

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.41 / 80
p0 −51.45 ± 1.669
pull
Entries 81
Mean −31.65
Std Dev 71.31

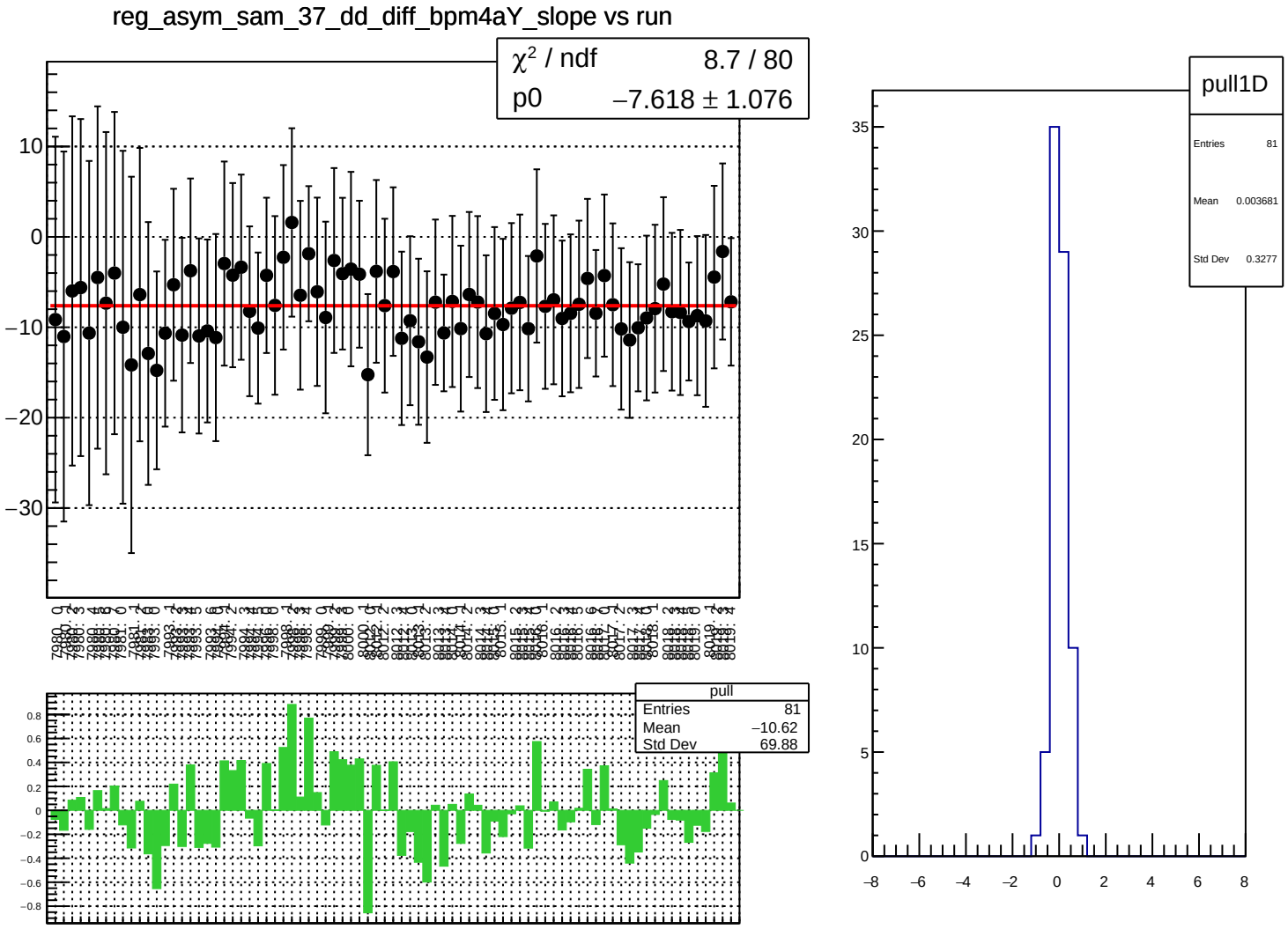

pull1D
Entries 81
Mean 0.05164
Std Dev 0.4607

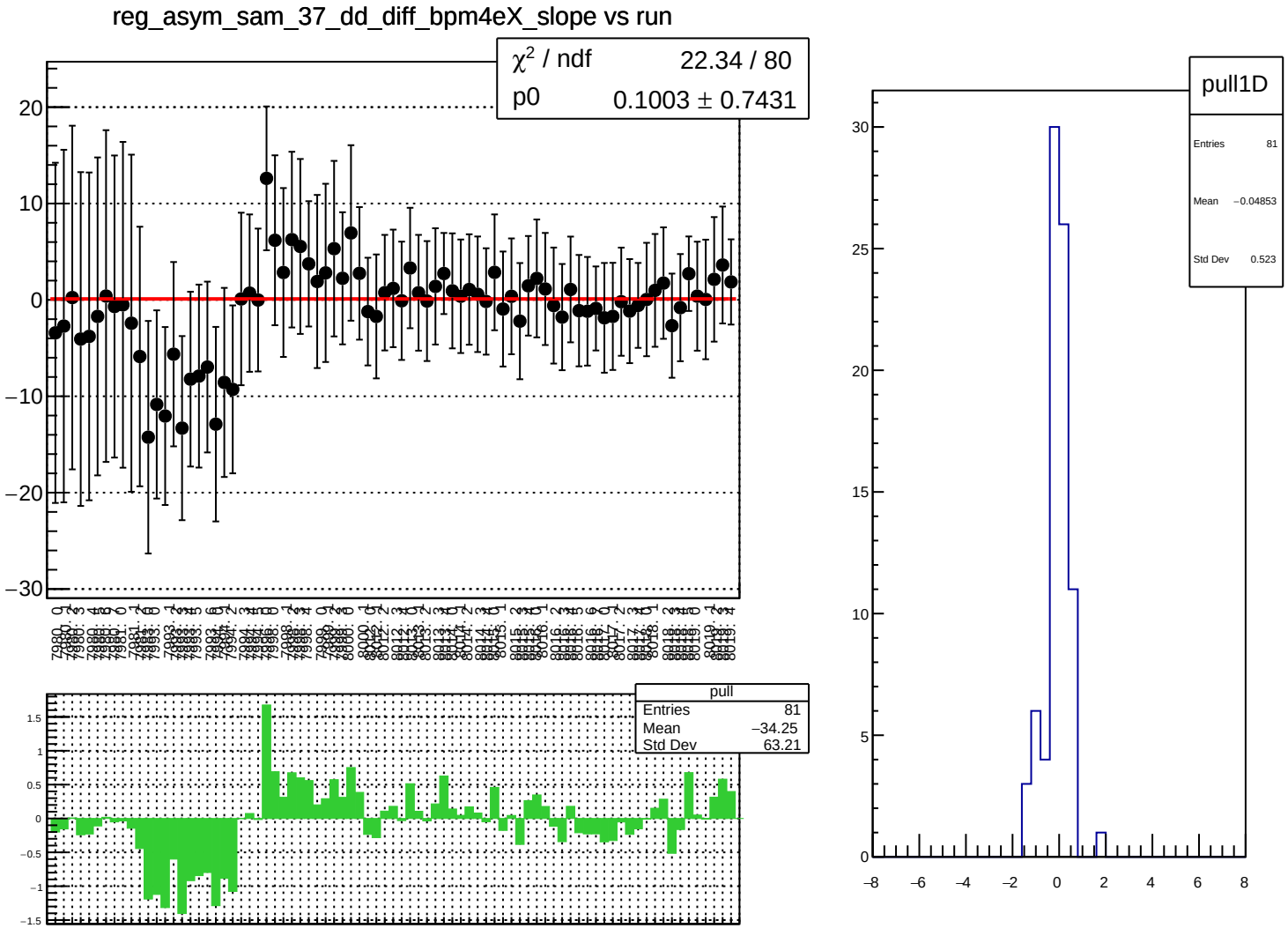

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.148 / 80
p0 −2.552 ± 2.616
pull
Entries 81
Mean −73.14
Std Dev 116

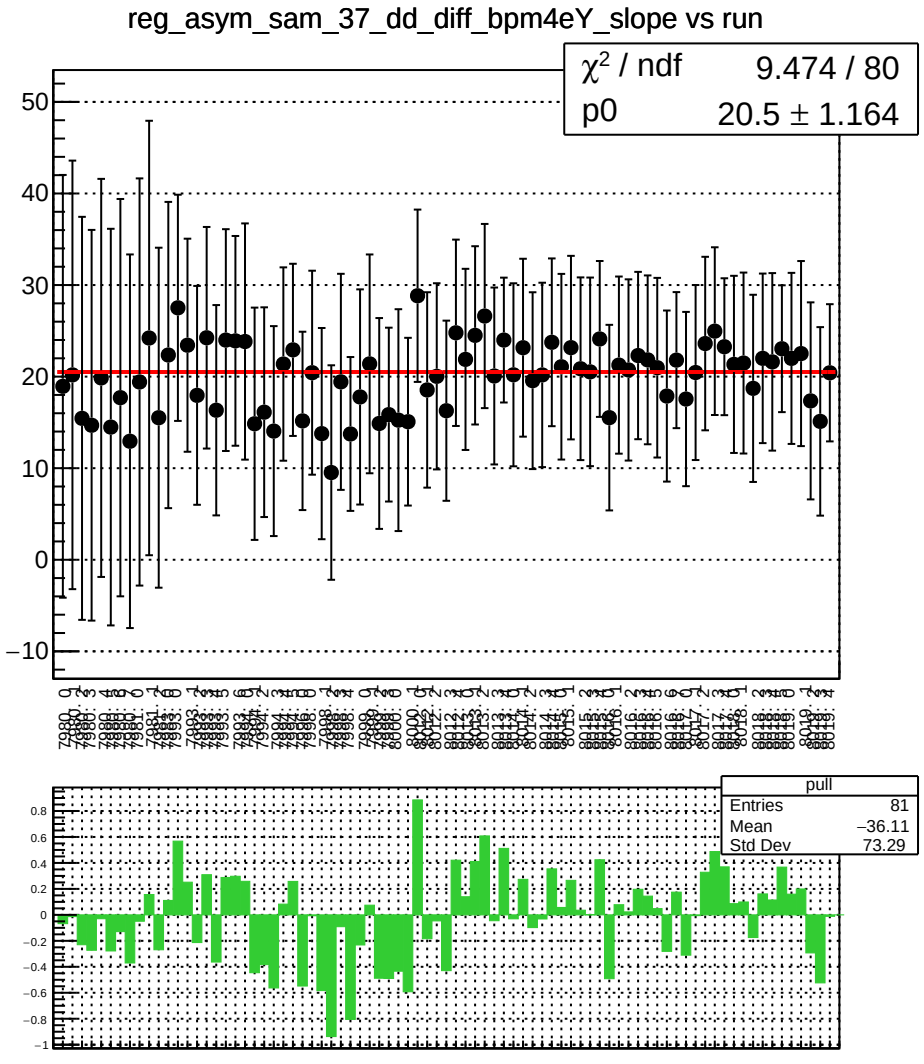

pull1D
Entries 81
Mean −0.01245
Std Dev 0.226

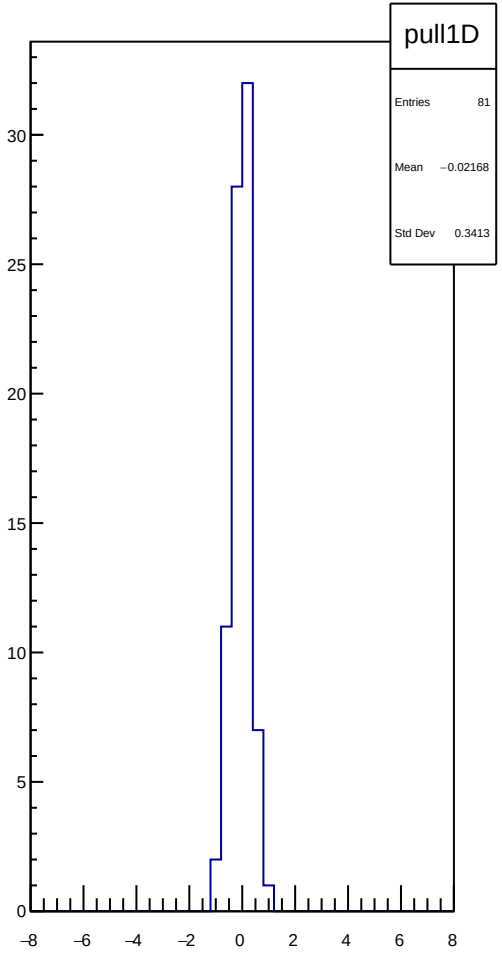

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 175.4 / 80
p0 0.2536 ± 0.1065
pull
Entries 81
Mean 140.4
Std Dev 97.56
pull1D
Entries 81
Mean 0.2761
Std Dev 1.445

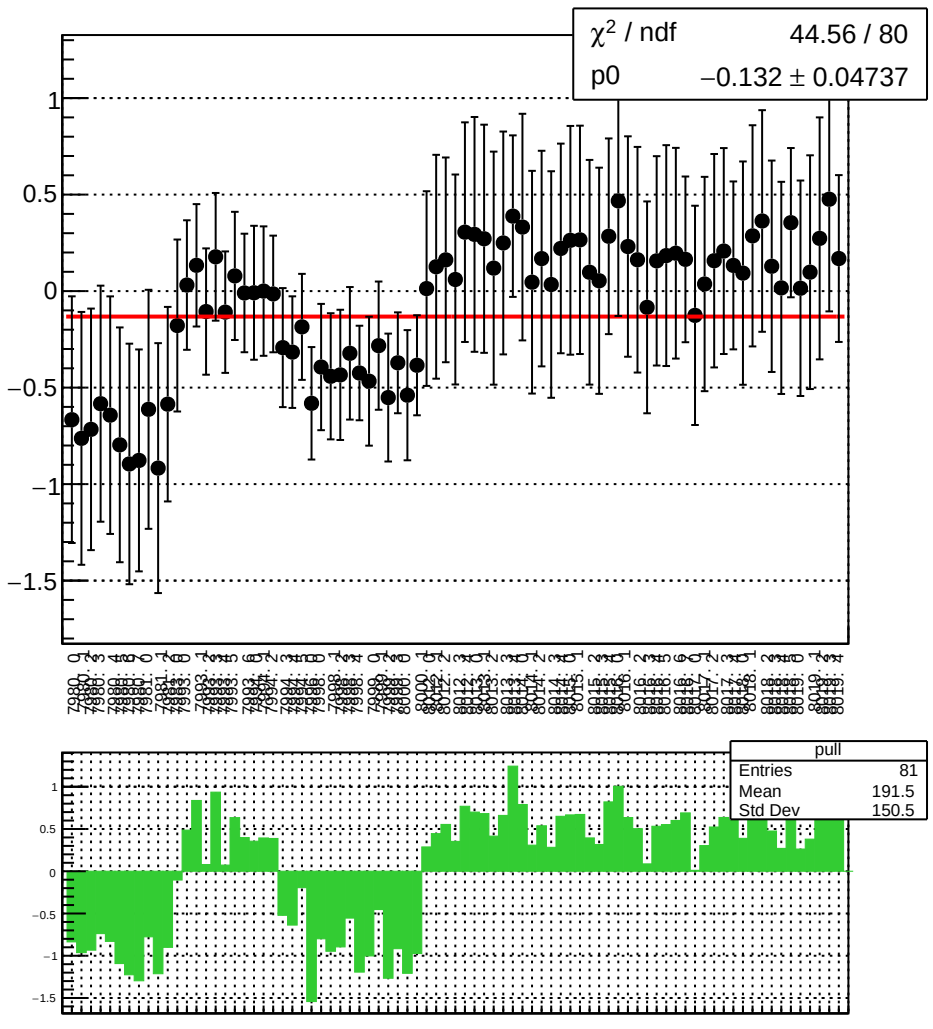

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 42.46 / 80
p0 −31.93 ± 0.7214
pull
Entries 81
Mean −3.067
Std Dev 15.59
pull1D
Entries 81
Mean −0.08559
Std Dev 0.7189

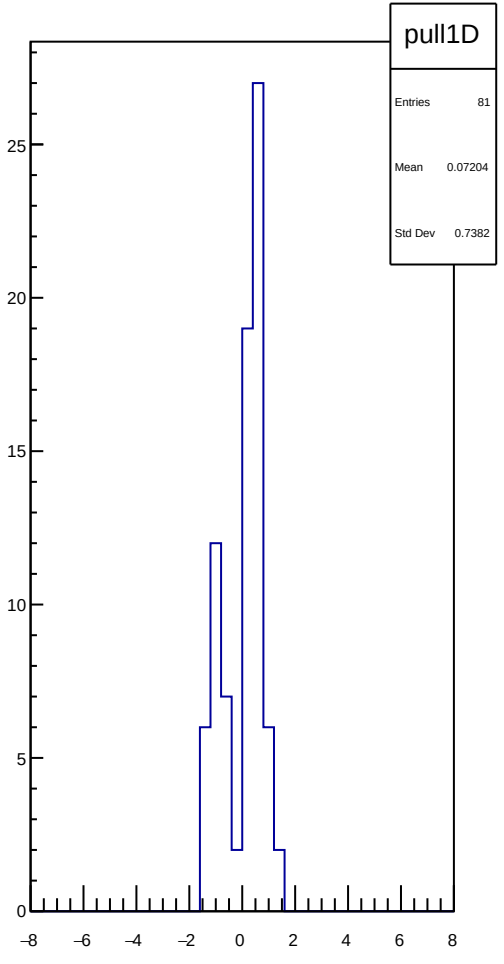

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.7 / 80
p0 −7.618 ± 1.076
pull
Entries 81
Mean −10.62
Std Dev 69.88
pull1D
Entries 81
Mean 0.003681
Std Dev 0.3277

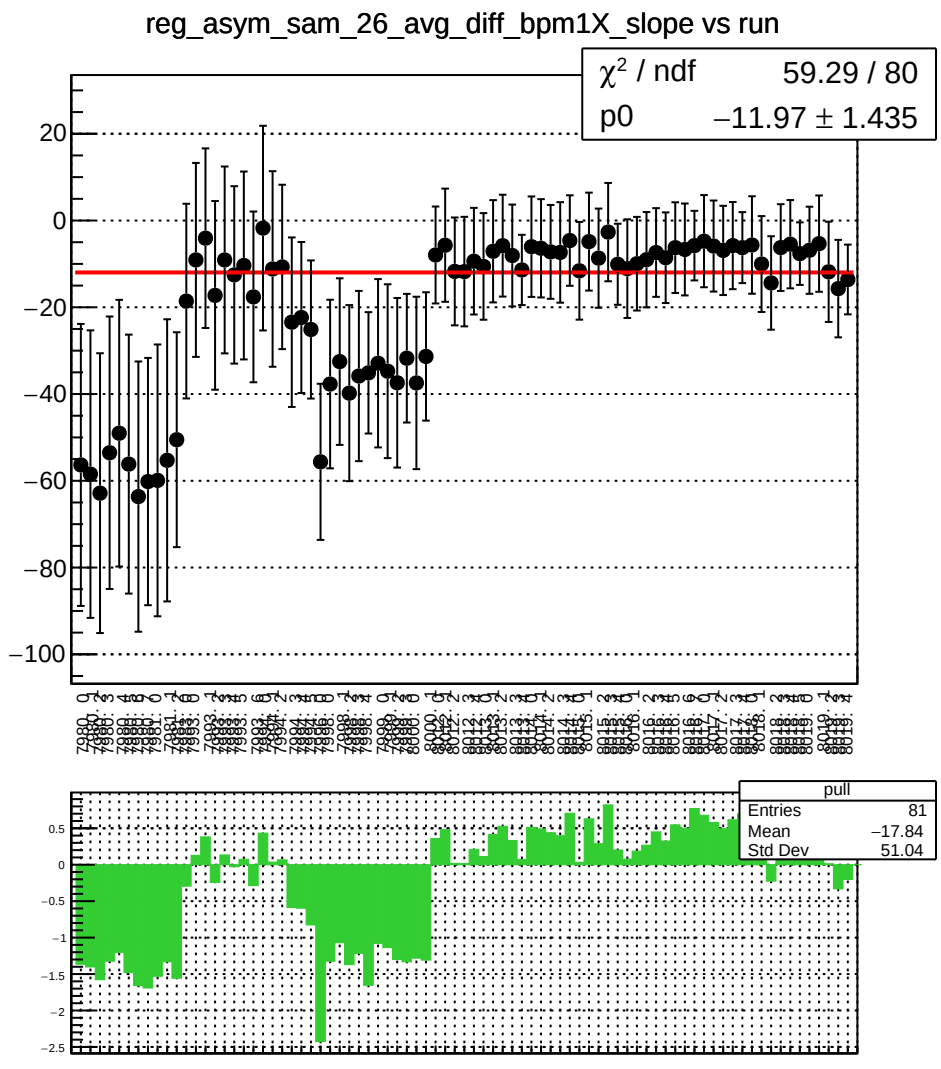

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.34 / 80
p0 0.1003 ± 0.7431
pull
Entries 81
Mean −34.25
Std Dev 63.21
pull1D
Entries 81
Mean −0.04853
Std Dev 0.523

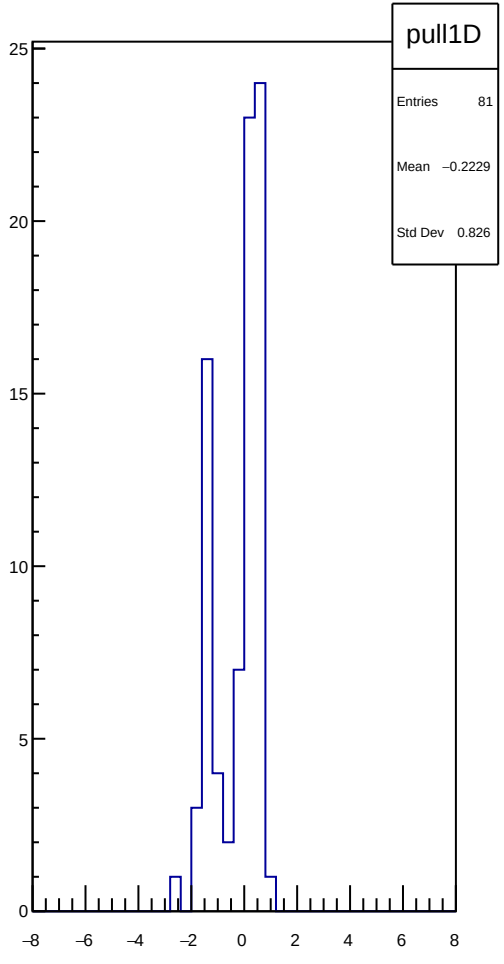

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.474 / 80
p0 20.5 ± 1.164
pull
Entries 81
Mean −36.11
Std Dev 73.29

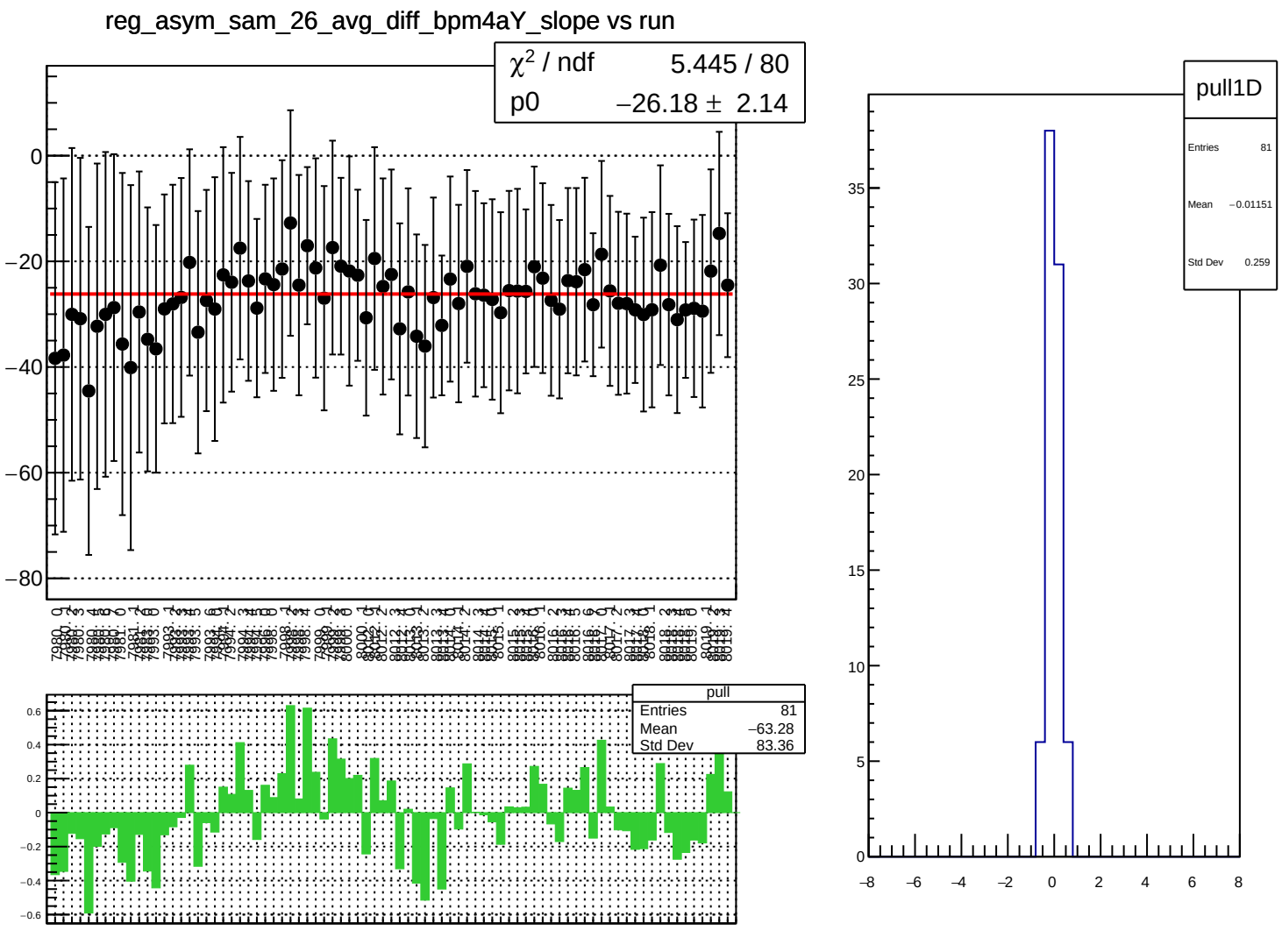

pull1D
Entries 81
Mean −0.02168
Std Dev 0.3413

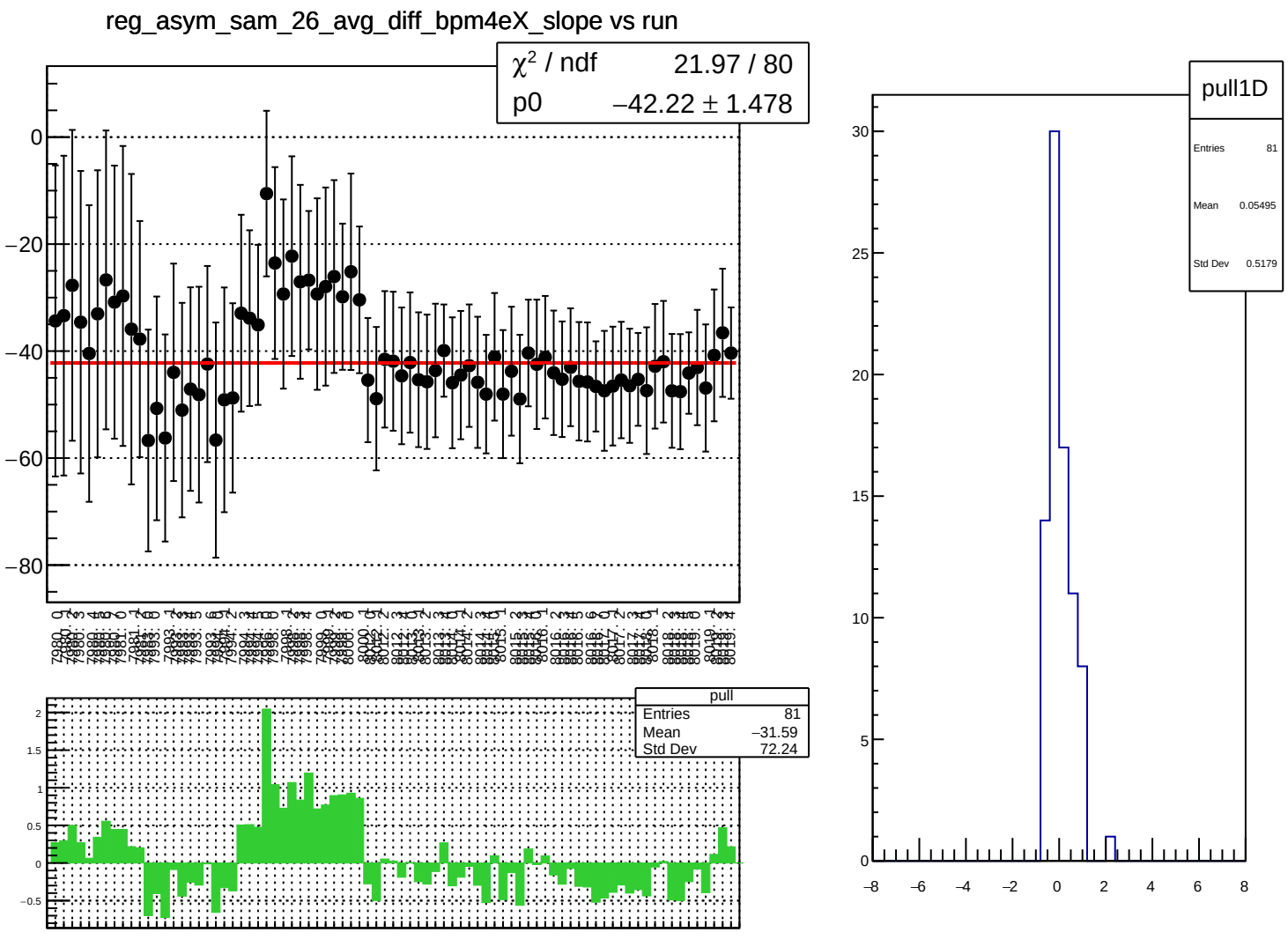

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 44.56 / 80
p0 −0.132 ± 0.04737
pull
Entries 81
Mean 191.5
Std Dev 150.5

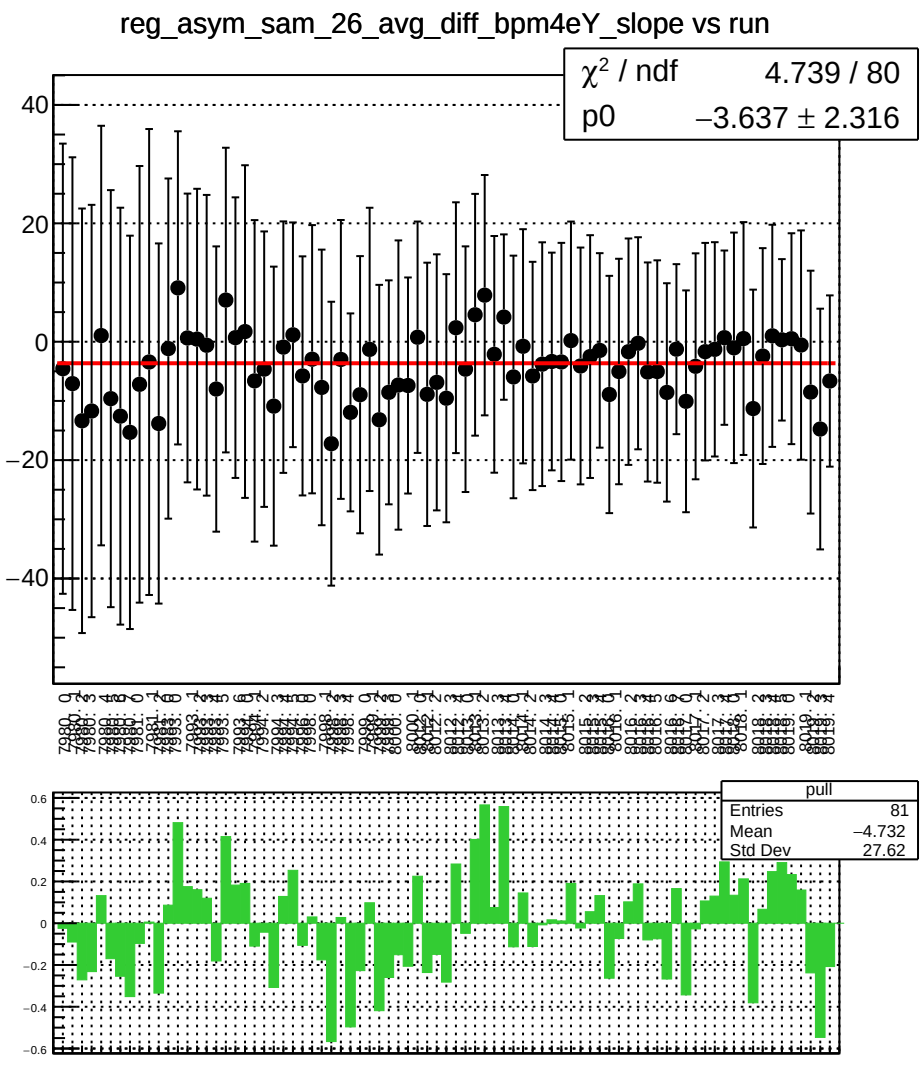

pull1D
Entries 81
Mean 0.07204
Std Dev 0.7382

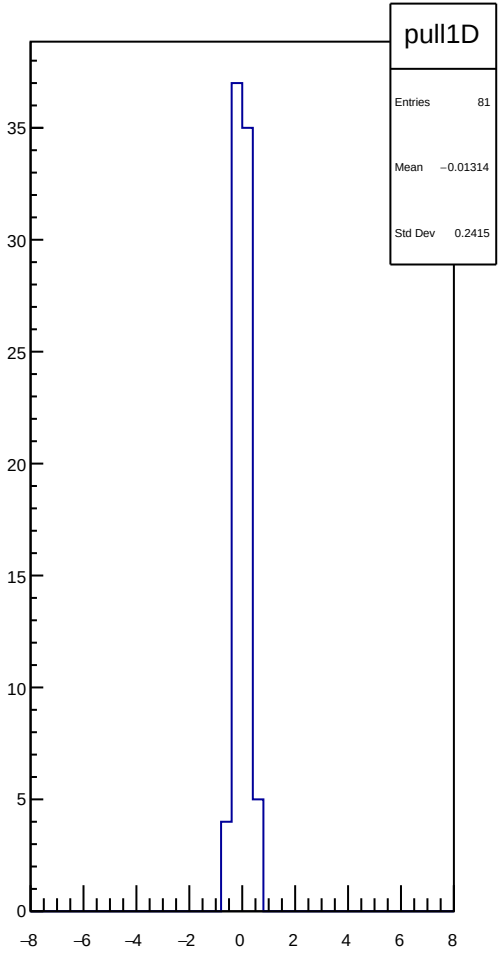

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 59.29 / 80
p0 −11.97 ± 1.435
pull
Entries 81
Mean −17.84
Std Dev 51.04

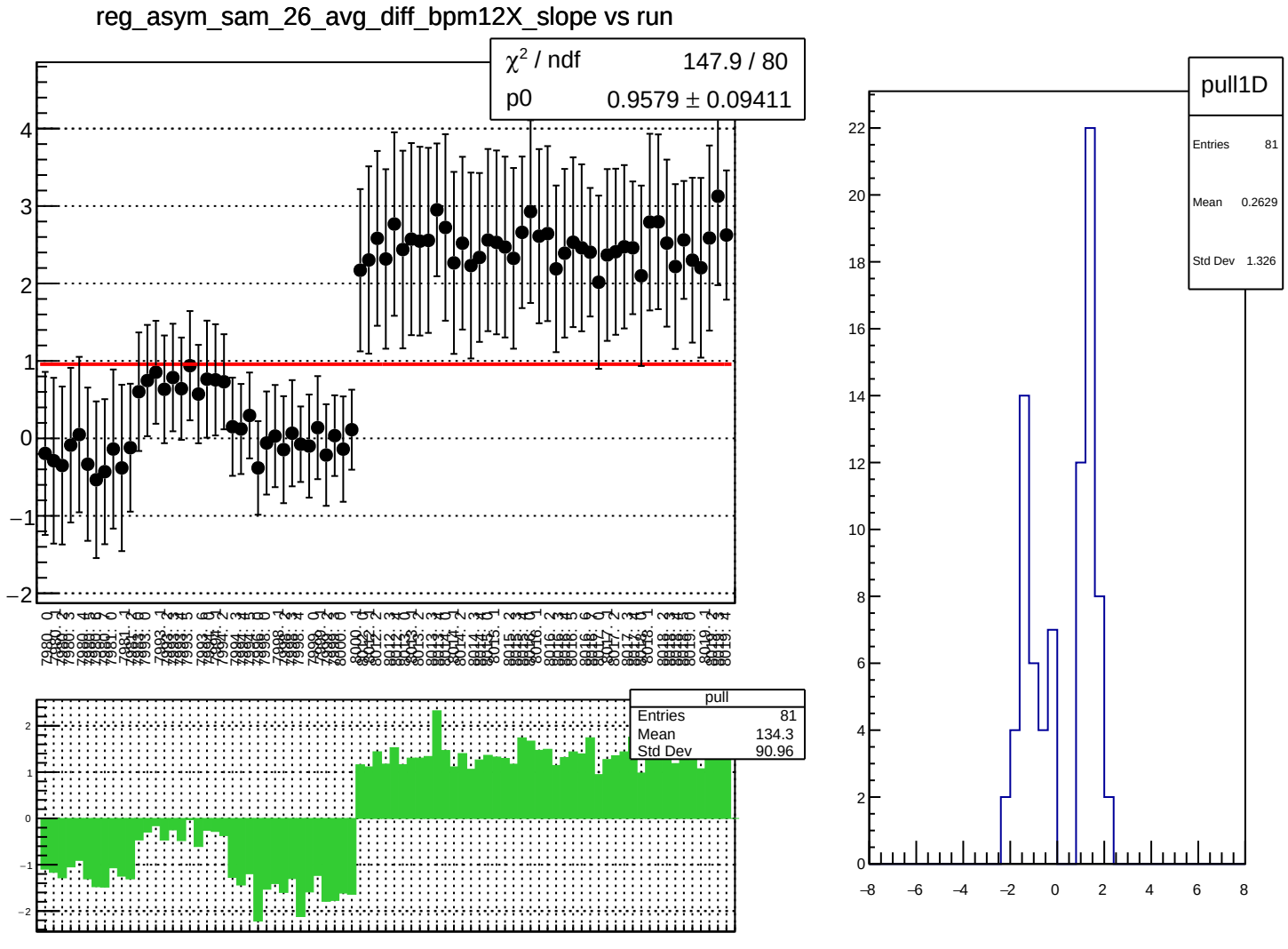

pull1D
Entries 81
Mean −0.2229
Std Dev 0.826

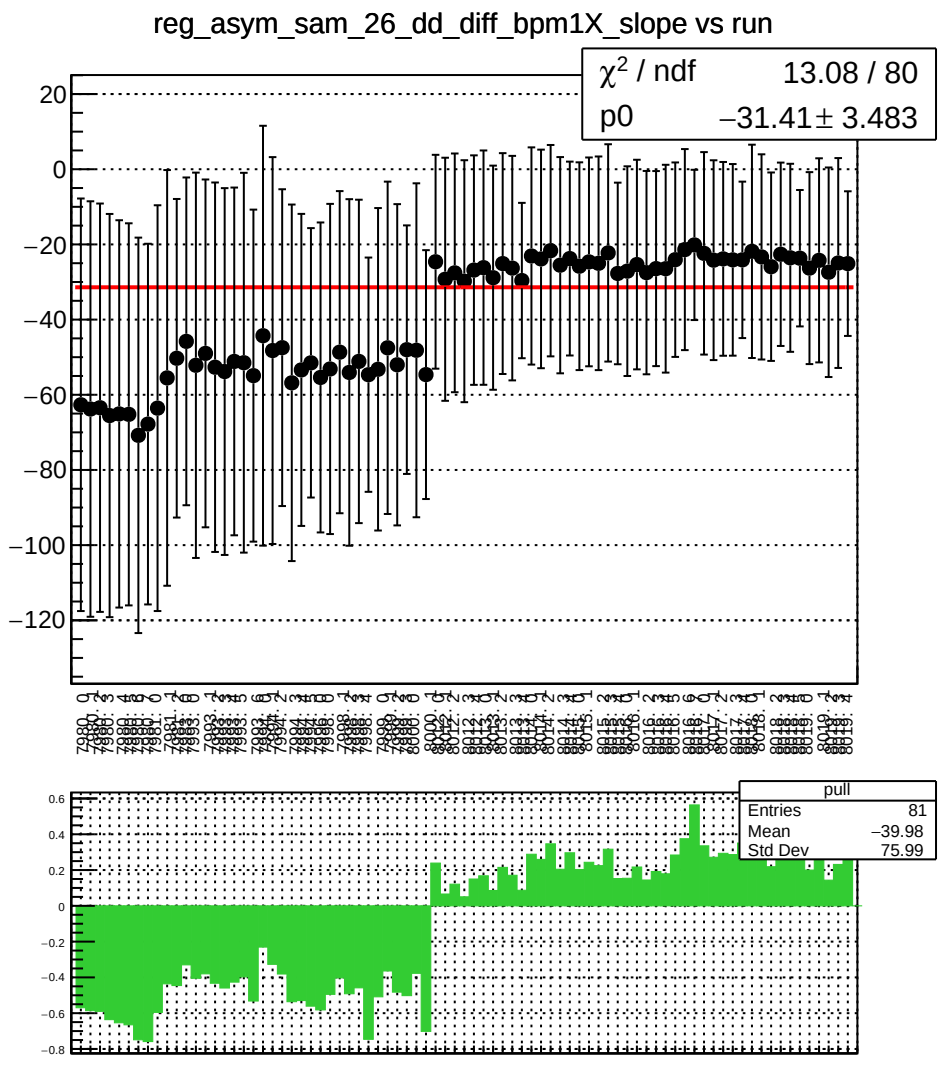

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.445 / 80
p0 −26.18 ± 2.14
pull
Entries 81
Mean −63.28
Std Dev 83.36
pull1D
Entries 81
Mean −0.01151
Std Dev 0.259

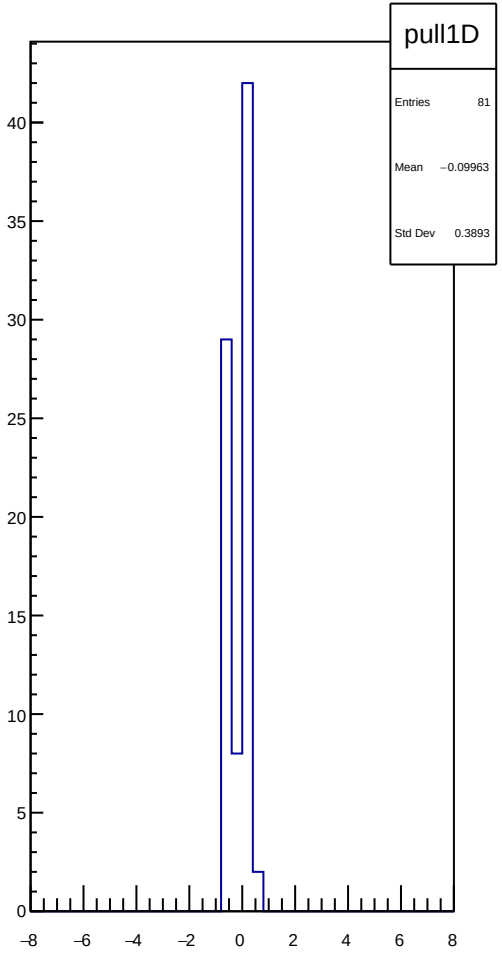

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.97 / 80
p0 −42.22 ± 1.478
0
−20
−40
−60
−80
pull
Entries 81
Mean −31.59
Std Dev 72.24
2
1.5
1
0.5
0
−0.5
pull1D
Entries 81
Mean 0.05495
Std Dev 0.5179
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

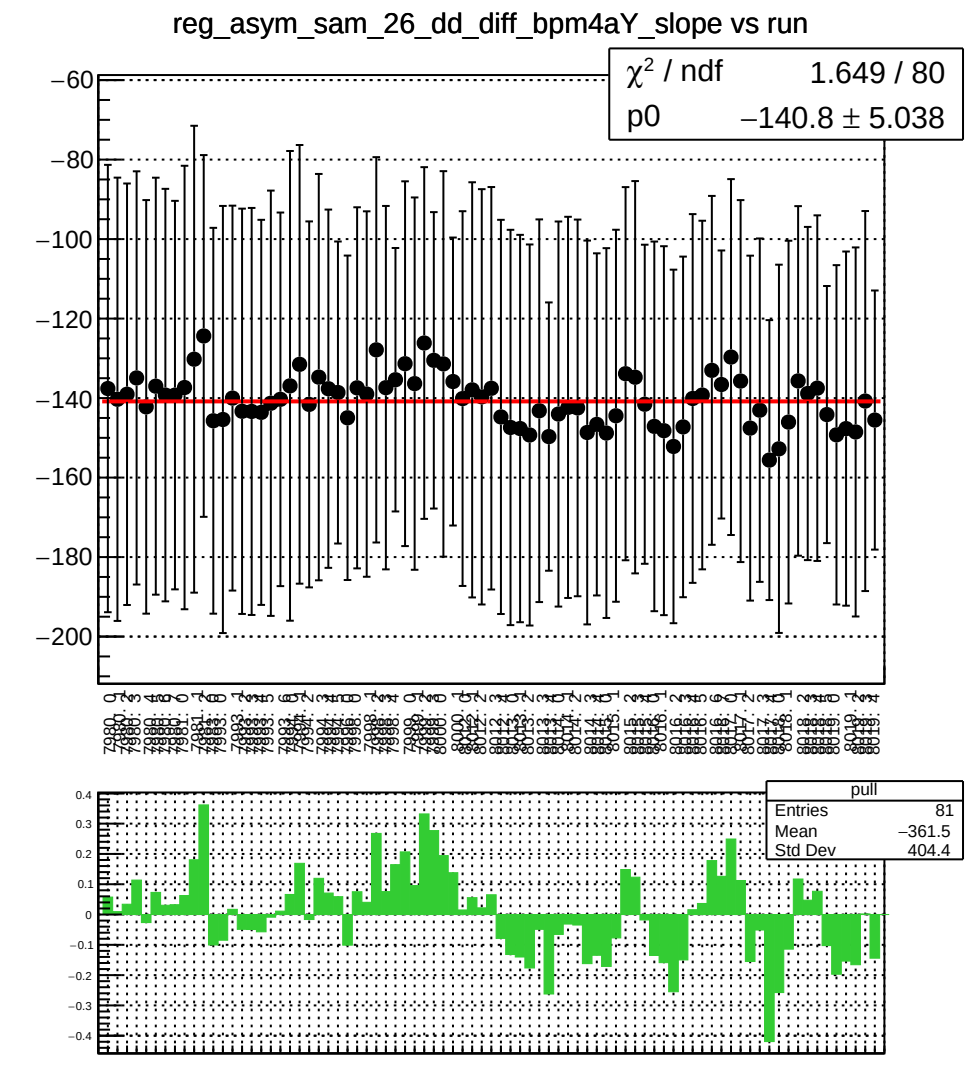

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.739 / 80
p0 −3.637 ± 2.316
pull
Entries 81
Mean −4.732
Std Dev 27.62

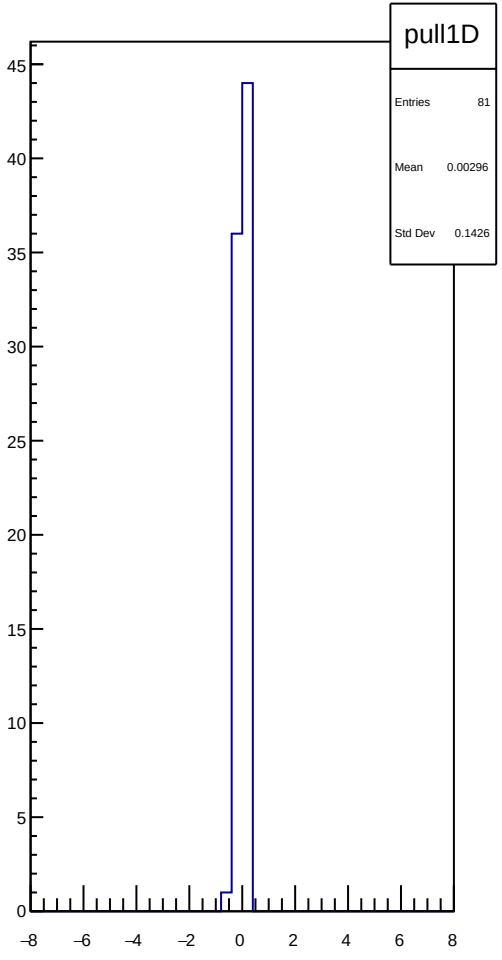

pull1D
Entries 81
Mean −0.01314
Std Dev 0.2415

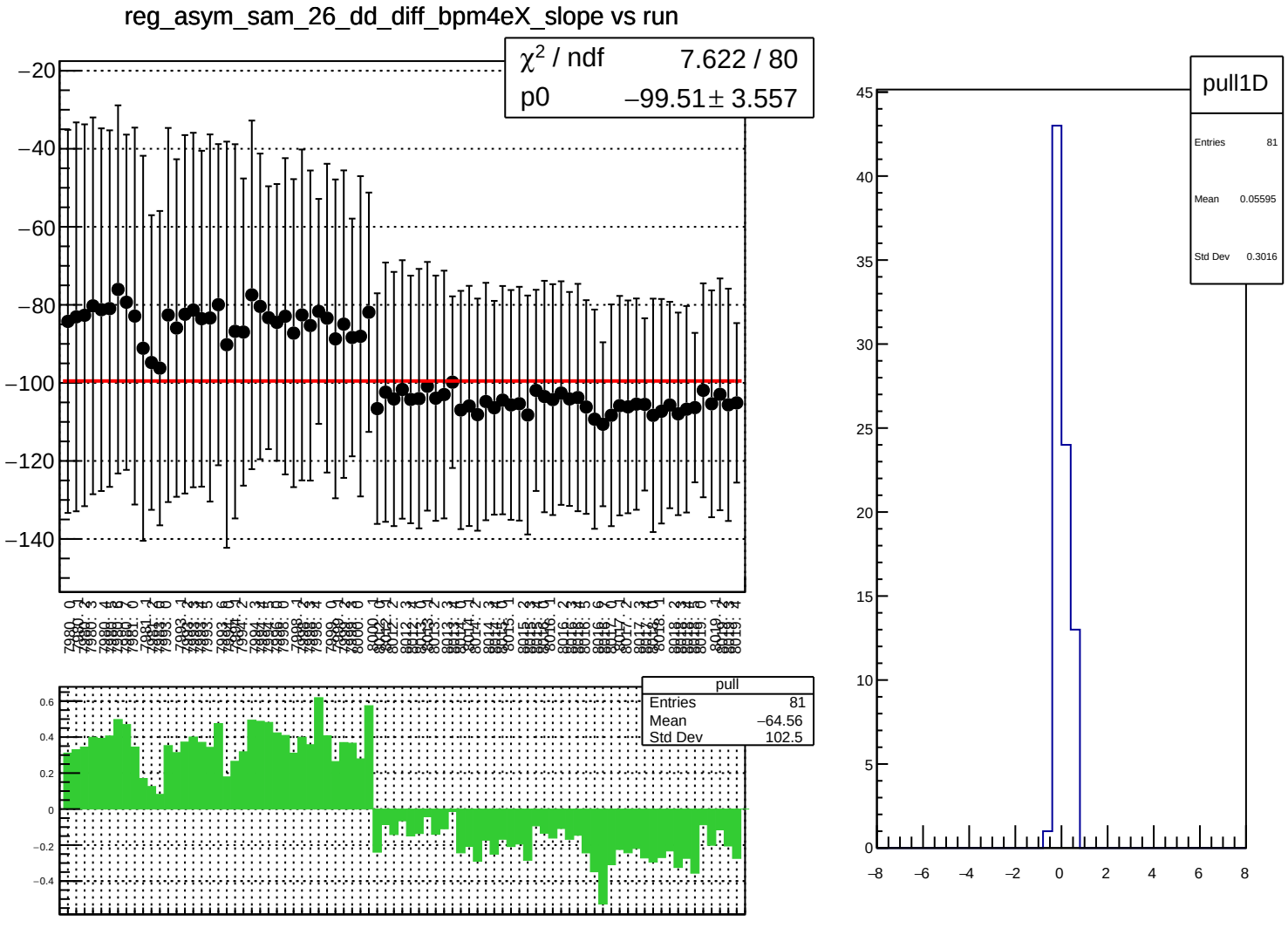

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 147.9 / 80
p0 0.9579 ± 0.09411
pull
Entries 81
Mean 134.3
Std Dev 90.96
pull1D
Entries 81
Mean 0.2629
Std Dev 1.326

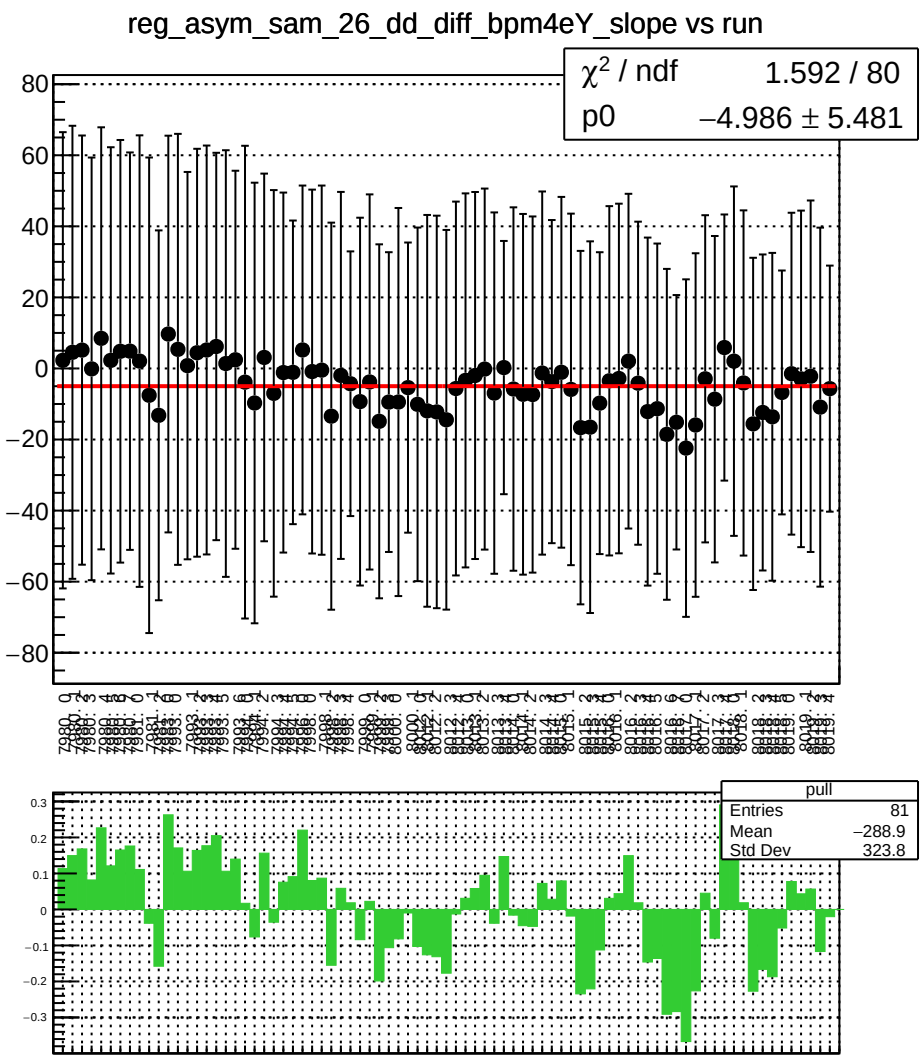

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 13.08 / 80
p0 −31.41 ± 3.483
pull
Entries 81
Mean −39.98
Std Dev 75.99

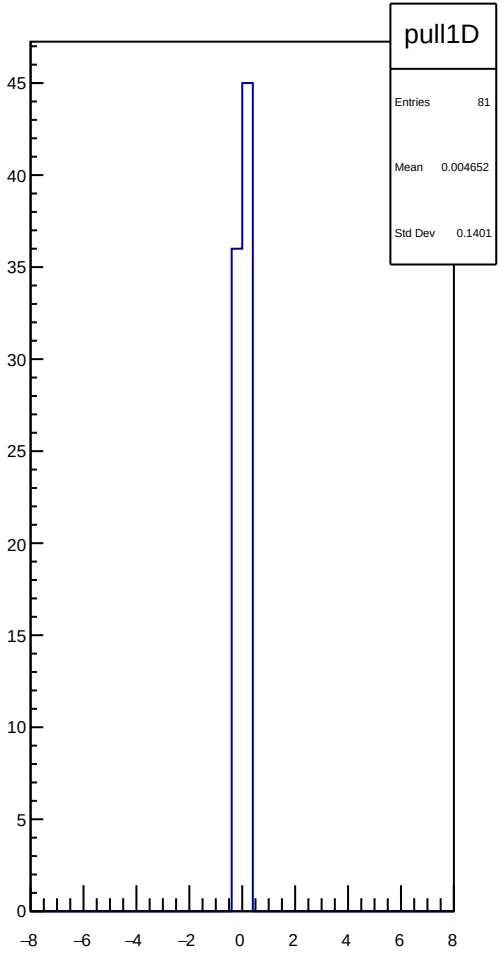

pull1D
Entries 81
Mean −0.09963
Std Dev 0.3893

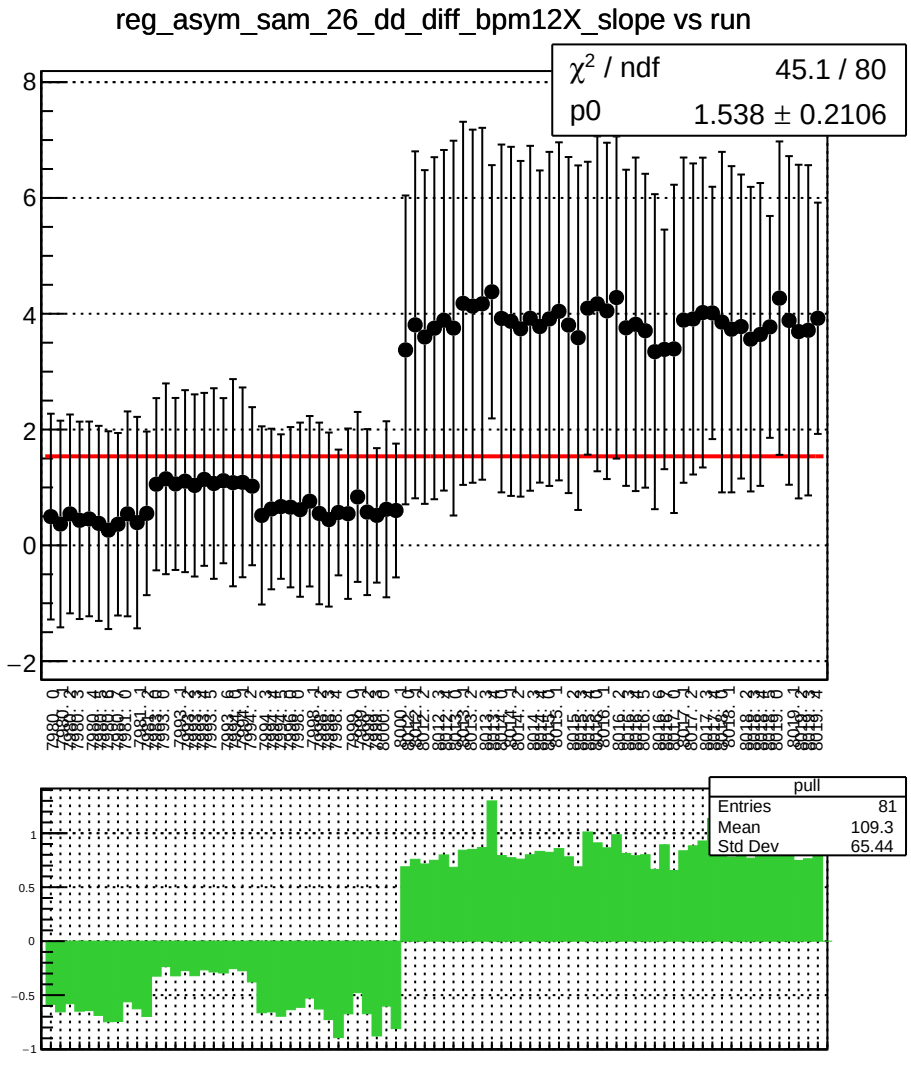

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.649 / 80
p0 −140.8 ± 5.038
pull
Entries 81
Mean −361.5
Std Dev 404.4

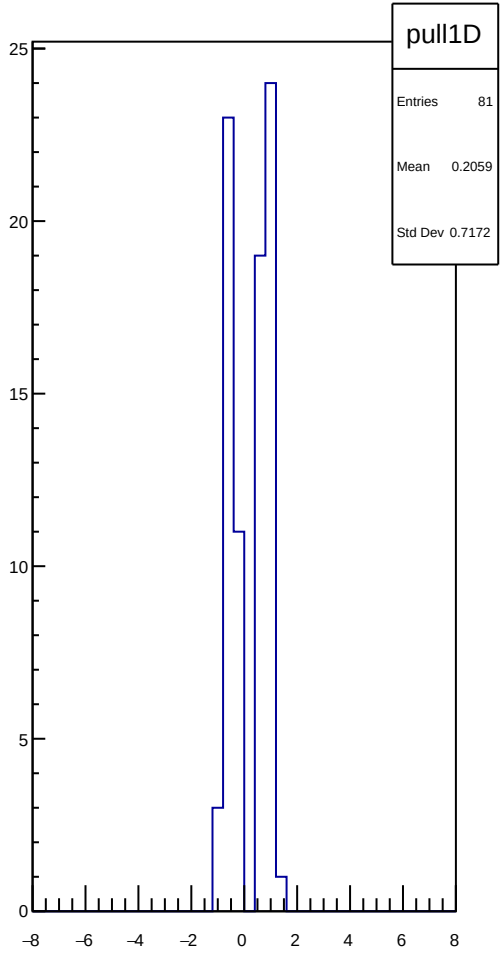

pull1D
Entries 81
Mean 0.00296
Std Dev 0.1426

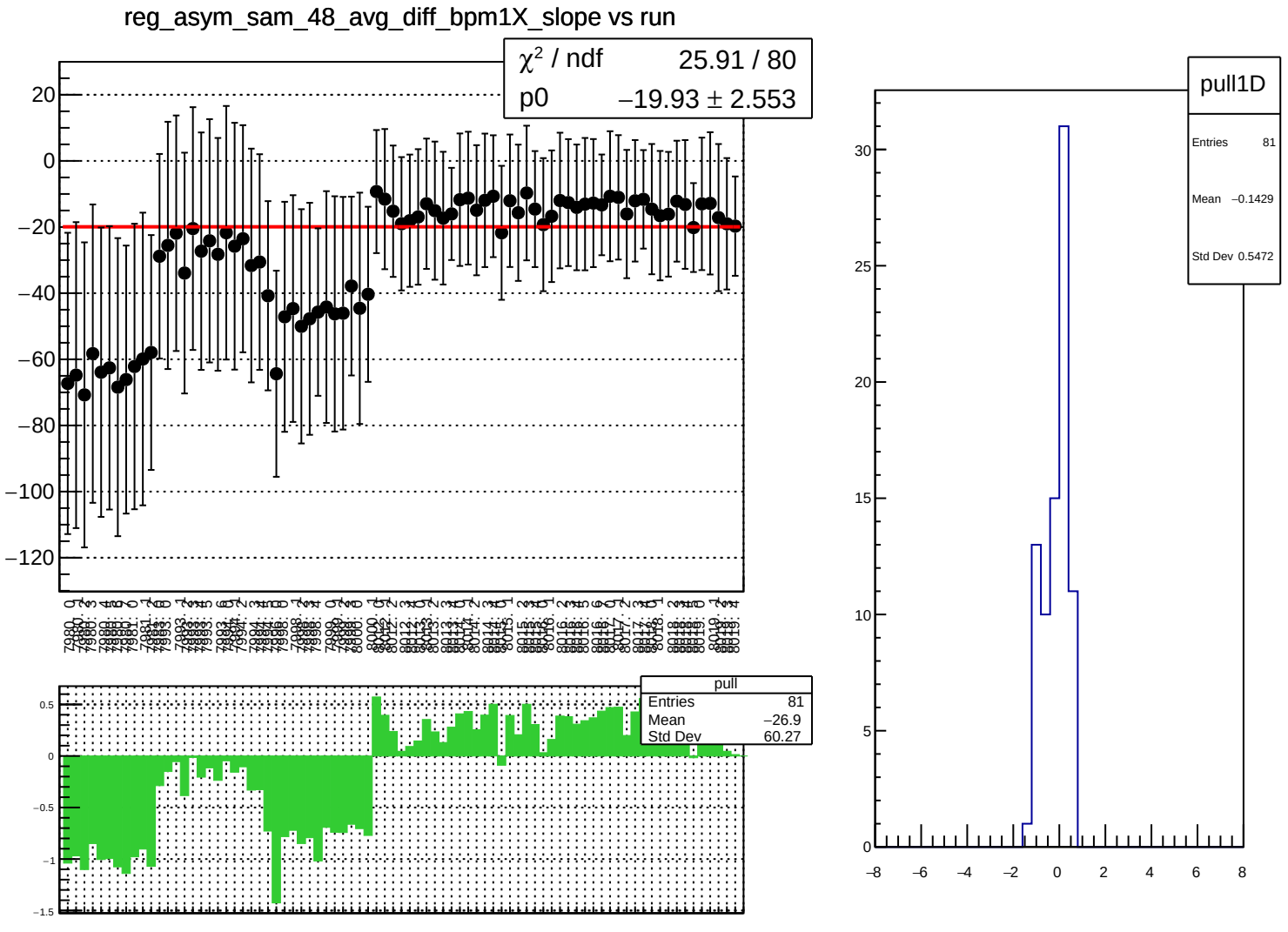

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.622 / 80
p0 −99.51 ± 3.557
pull
Entries 81
Mean −64.56
Std Dev 102.5
pull1D
Entries 81
Mean 0.05595
Std Dev 0.3016

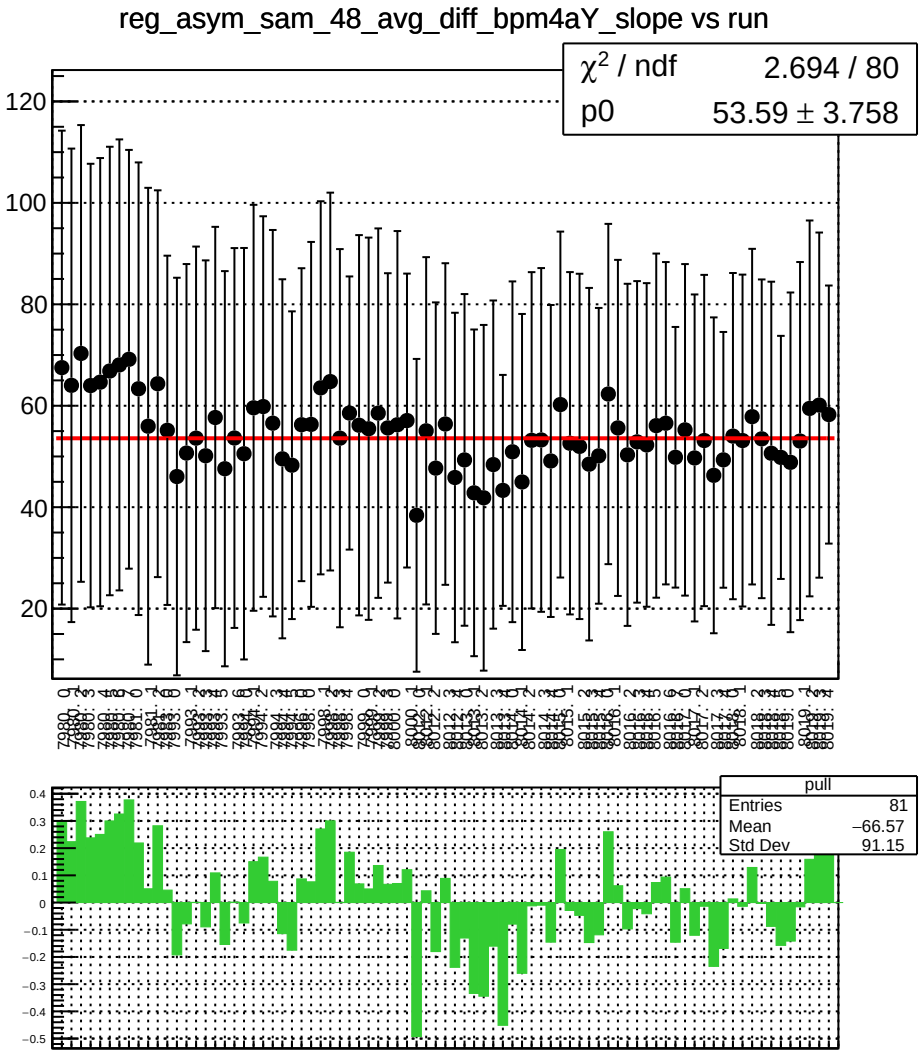

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.592 / 80
p0 −4.986 ± 5.481
pull
Entries 81
Mean −288.9
Std Dev 323.8

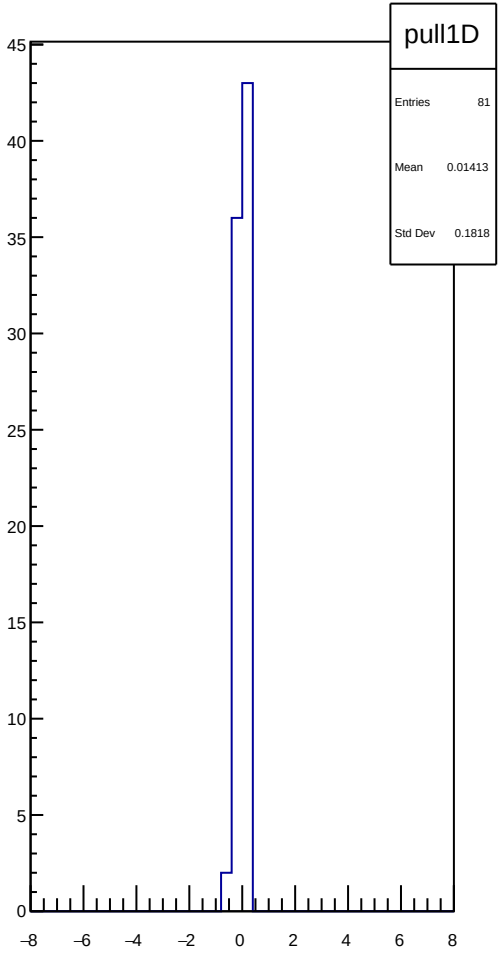

pull1D
Entries 81
Mean 0.004652
Std Dev 0.1401

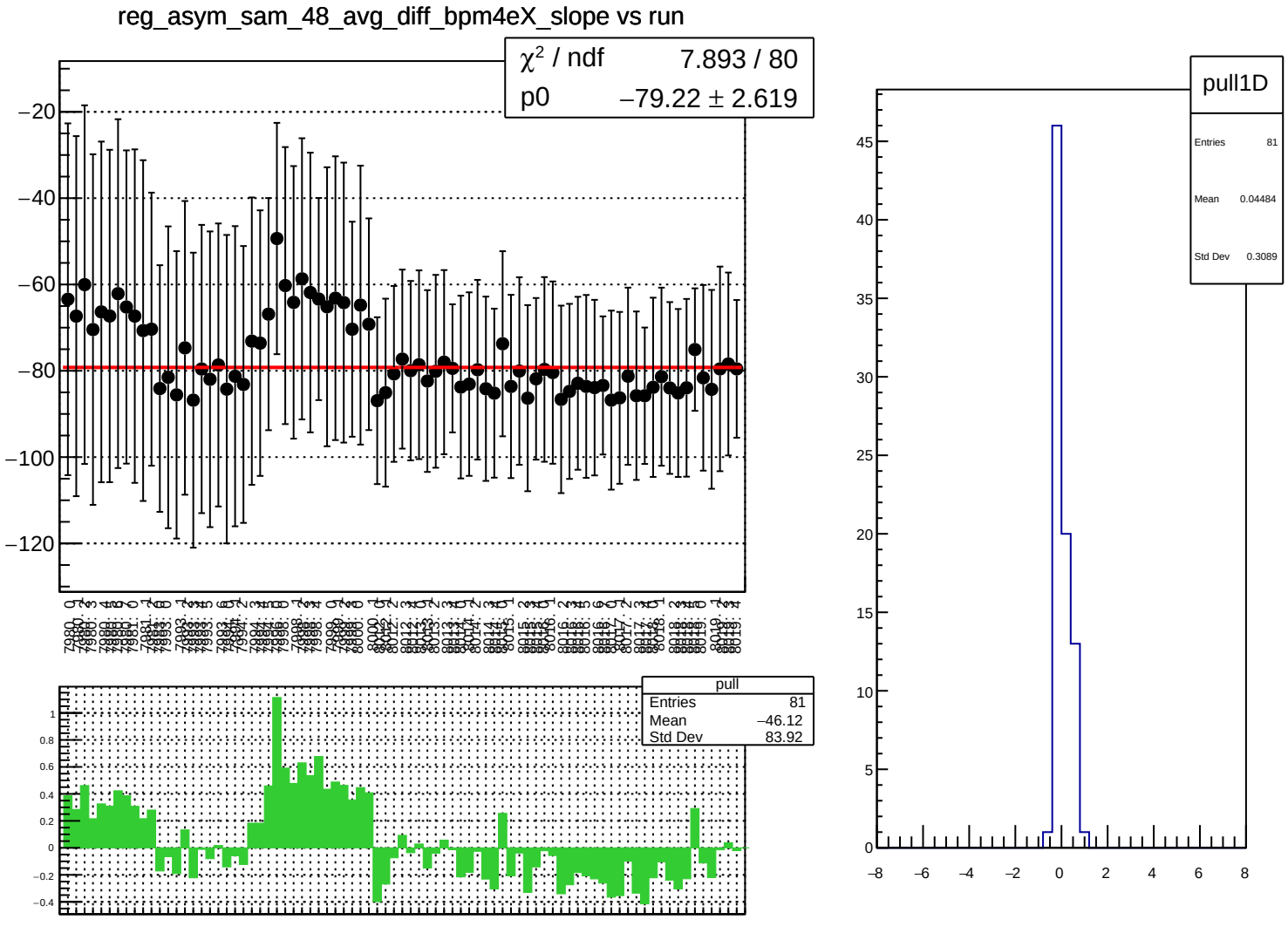

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 45.1 / 80
p0 1.538 ± 0.2106
pull
Entries 81
Mean 109.3
Std Dev 65.44

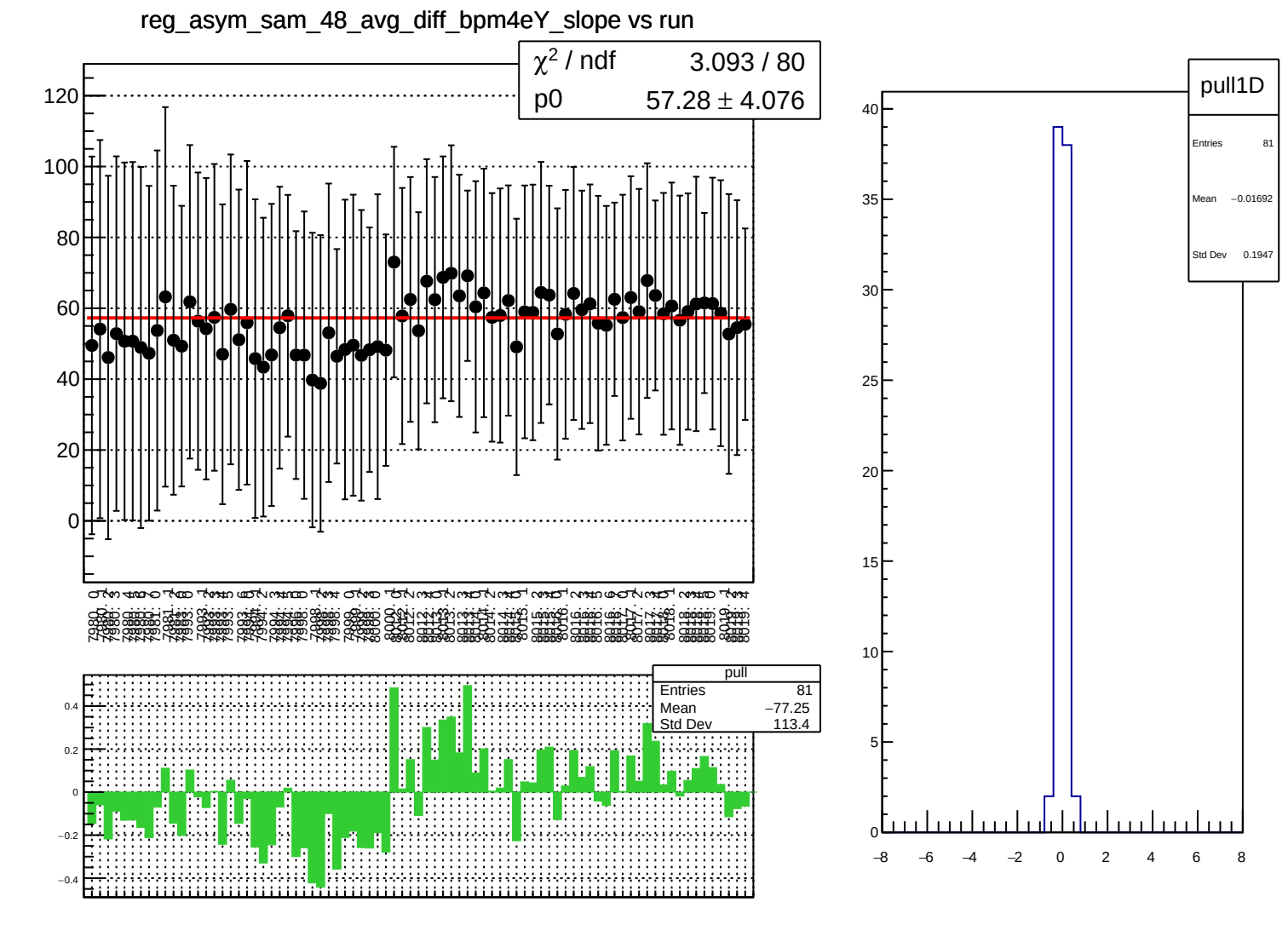

pull1D
Entries 81
Mean 0.2059
Std Dev 0.7172

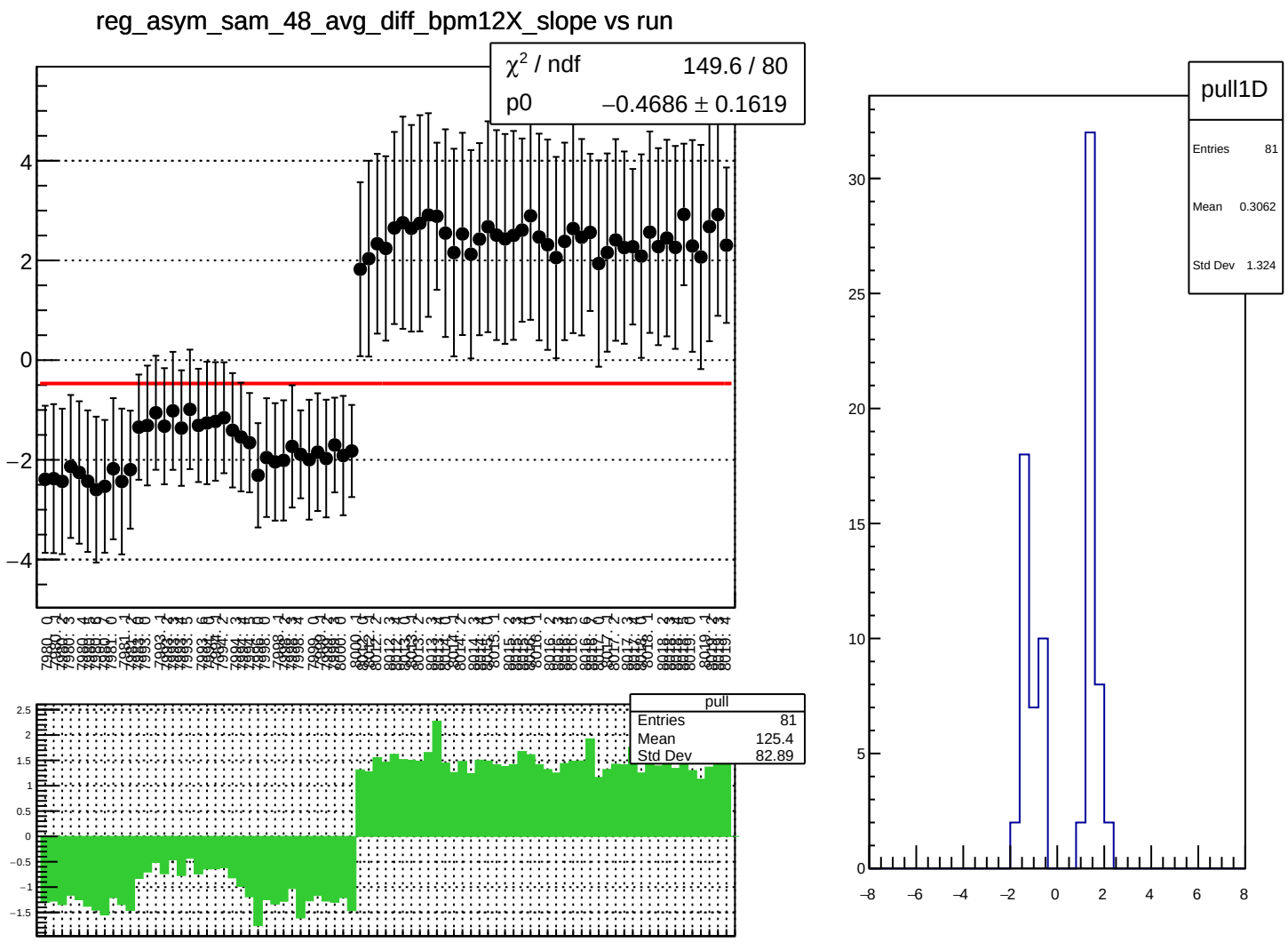

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 25.91 / 80
p0 −19.93 ± 2.553
pull
Entries 81
Mean −26.9
Std Dev 60.27
pull1D
Entries 81
Mean −0.1429
Std Dev 0.5472

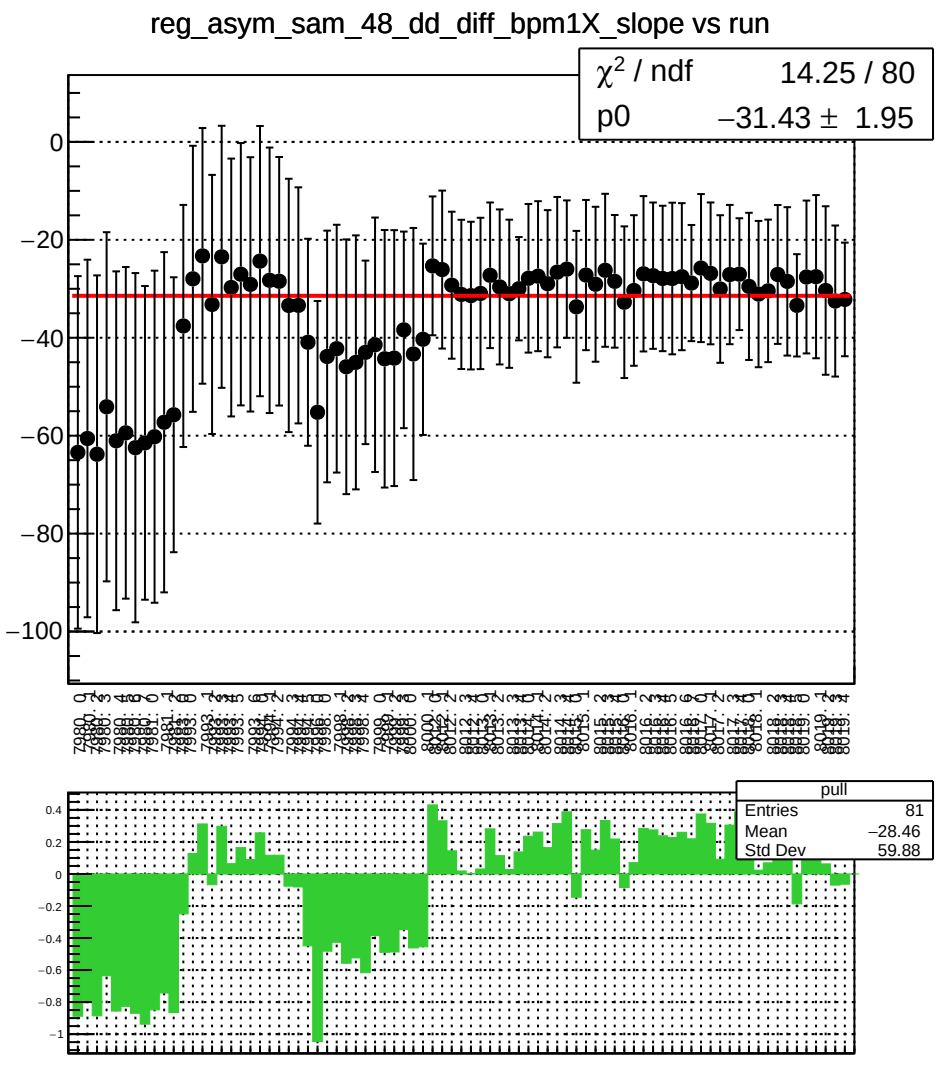

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.694 / 80
p0 53.59 ± 3.758
pull
Entries 81
Mean −66.57
Std Dev 91.15

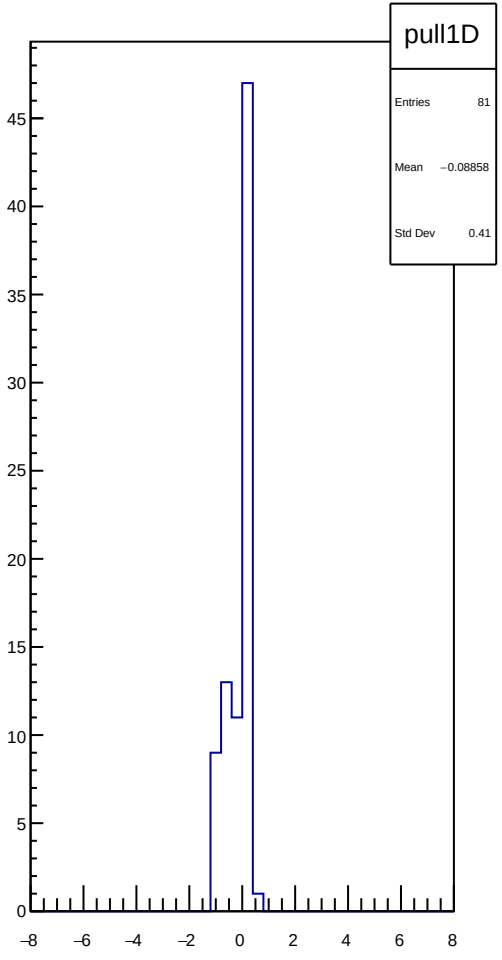

pull1D
Entries 81
Mean 0.01413
Std Dev 0.1818

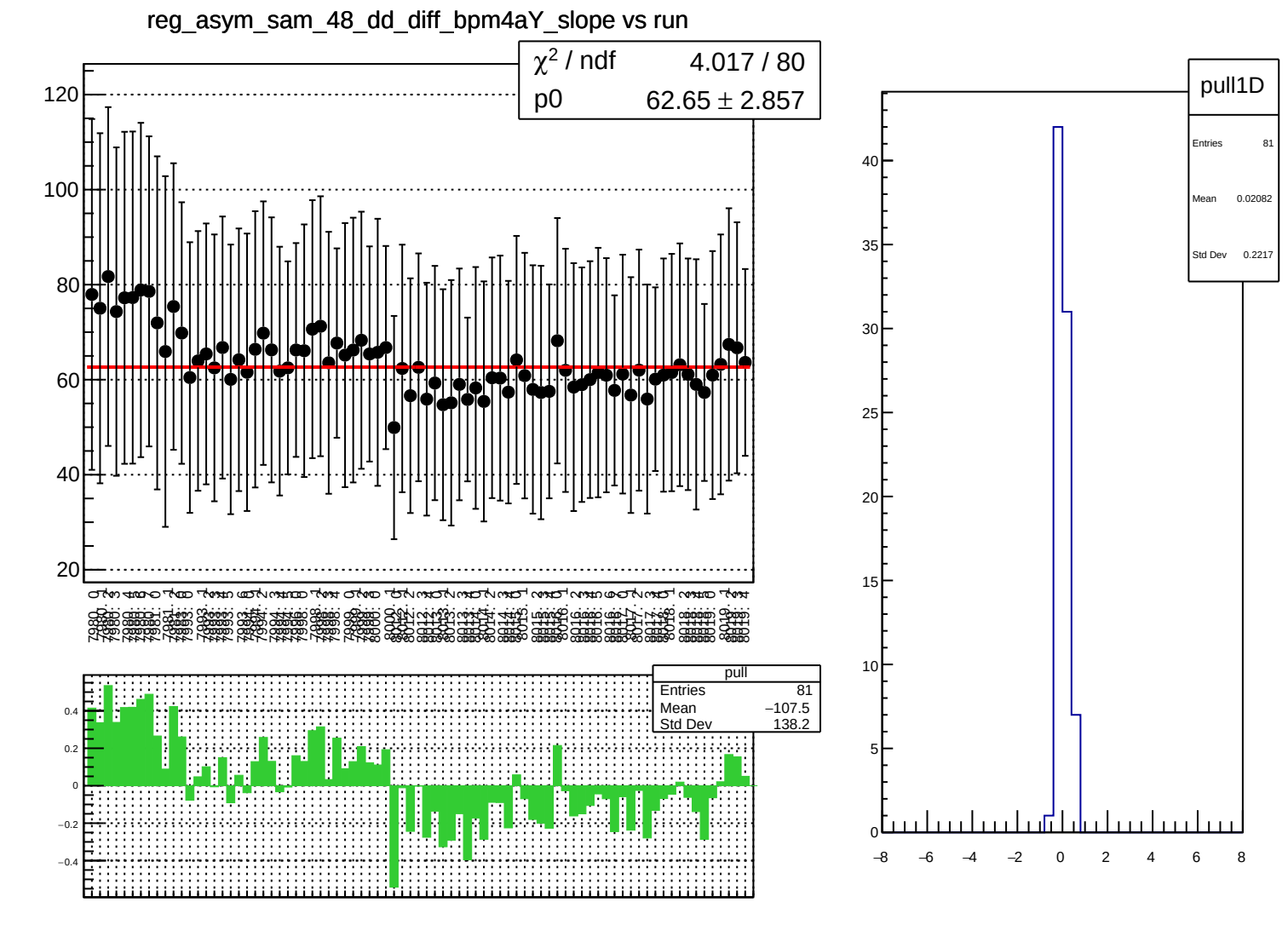

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.893 / 80
p0 −79.22 ± 2.619
pull
Entries 81
Mean −46.12
Std Dev 83.92
pull1D
Entries 81
Mean 0.04484
Std Dev 0.3089

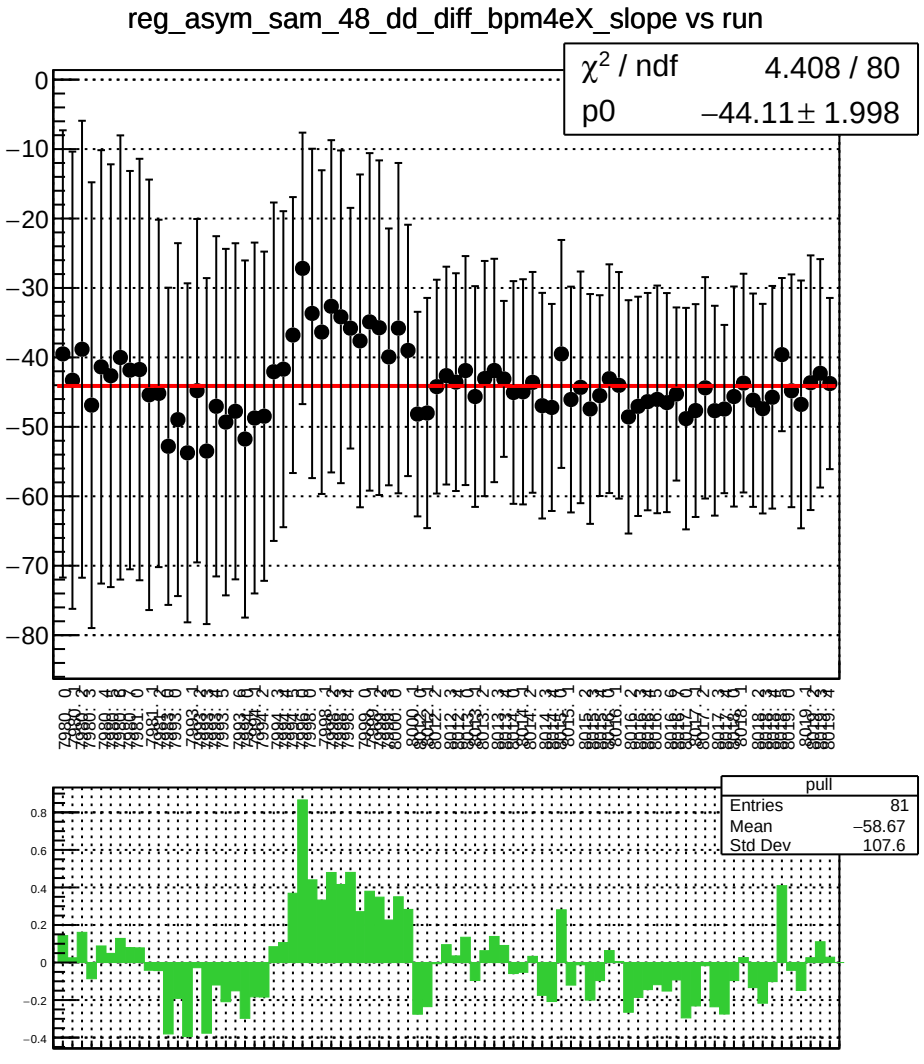

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.093 / 80
p0 57.28 ± 4.076
pull
Entries 81
Mean −77.25
Std Dev 113.4
pull1D
Entries 81
Mean −0.01692
Std Dev 0.1947

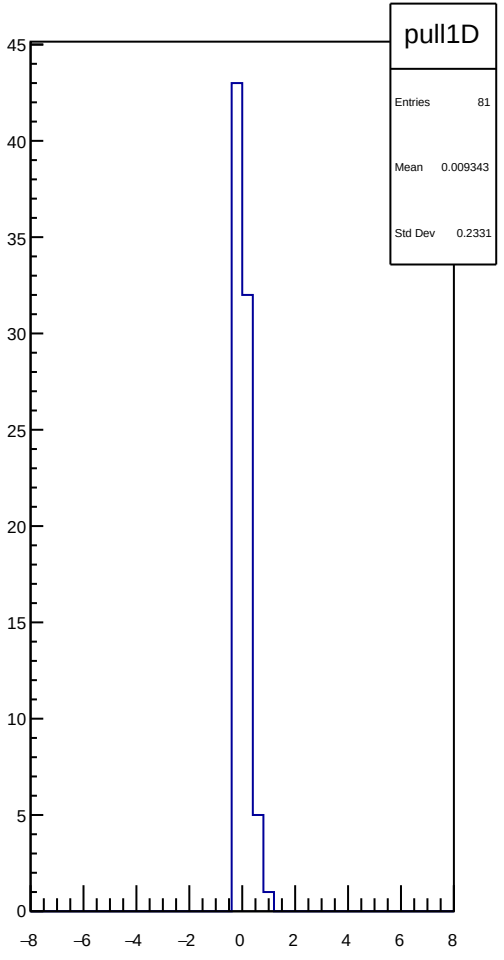

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 149.6 / 80
p0 −0.4686 ± 0.1619
pull
Entries 81
Mean 125.4
Std Dev 82.89
pull1D
Entries 81
Mean 0.3062
Std Dev 1.324

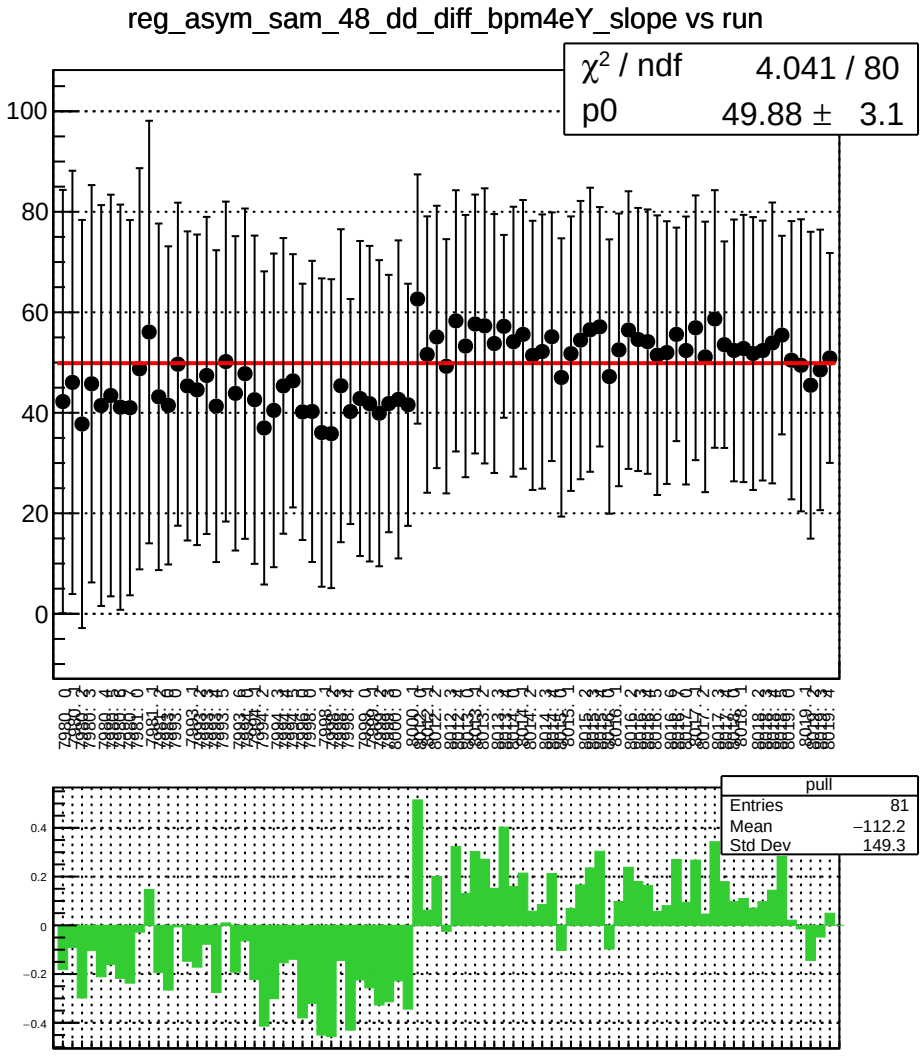

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 14.25 / 80
p0 −31.43 ± 1.95
pull
Entries 81
Mean −28.46
Std Dev 59.88

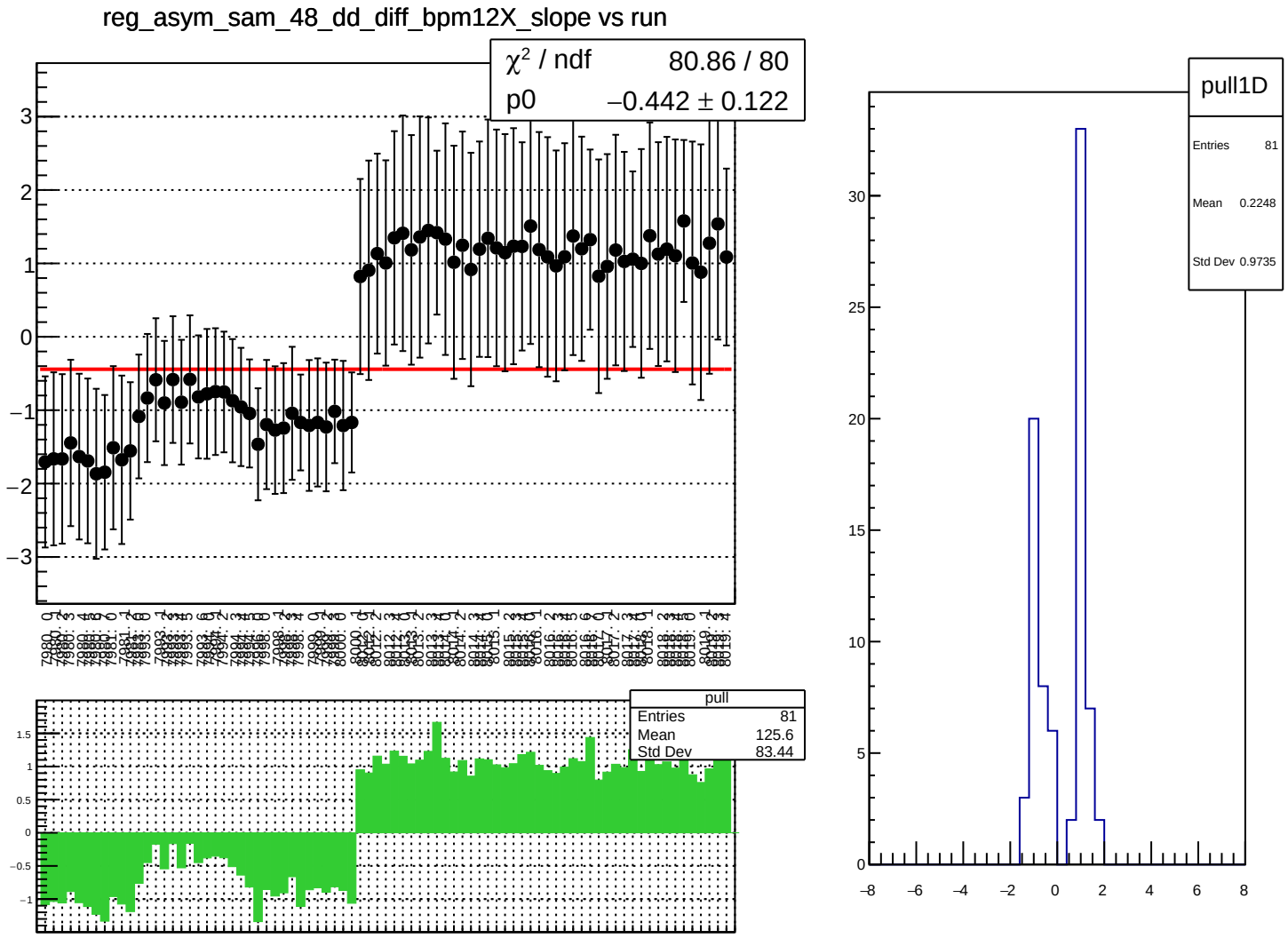

pull1D
Entries 81
Mean −0.08858
Std Dev 0.41

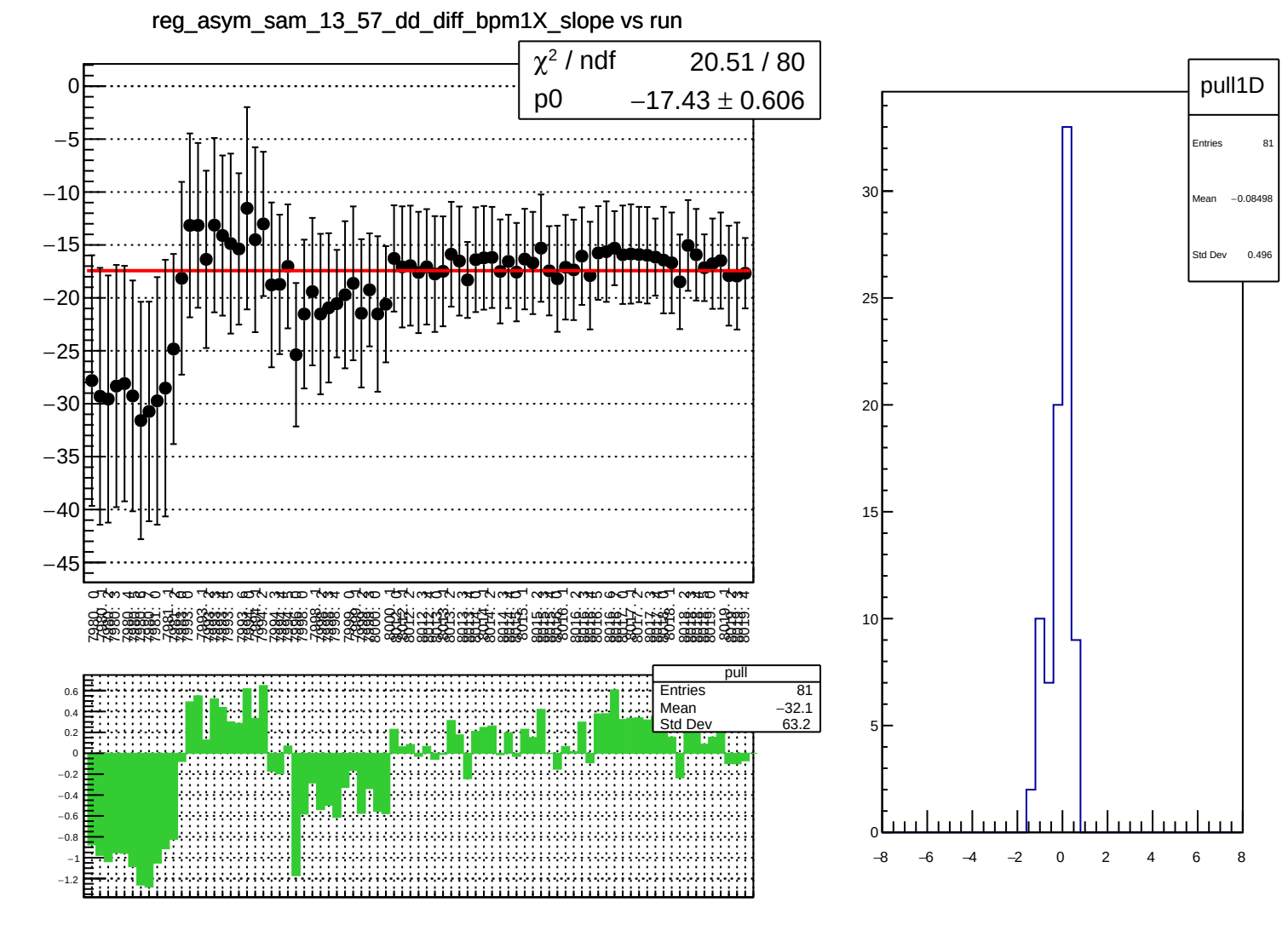

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.017 / 80
p0 62.65 ± 2.857
120
100
80
60
40
20
pull
Entries 81
Mean −107.5
Std Dev 138.2
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 81
Mean 0.02082
Std Dev 0.2217
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

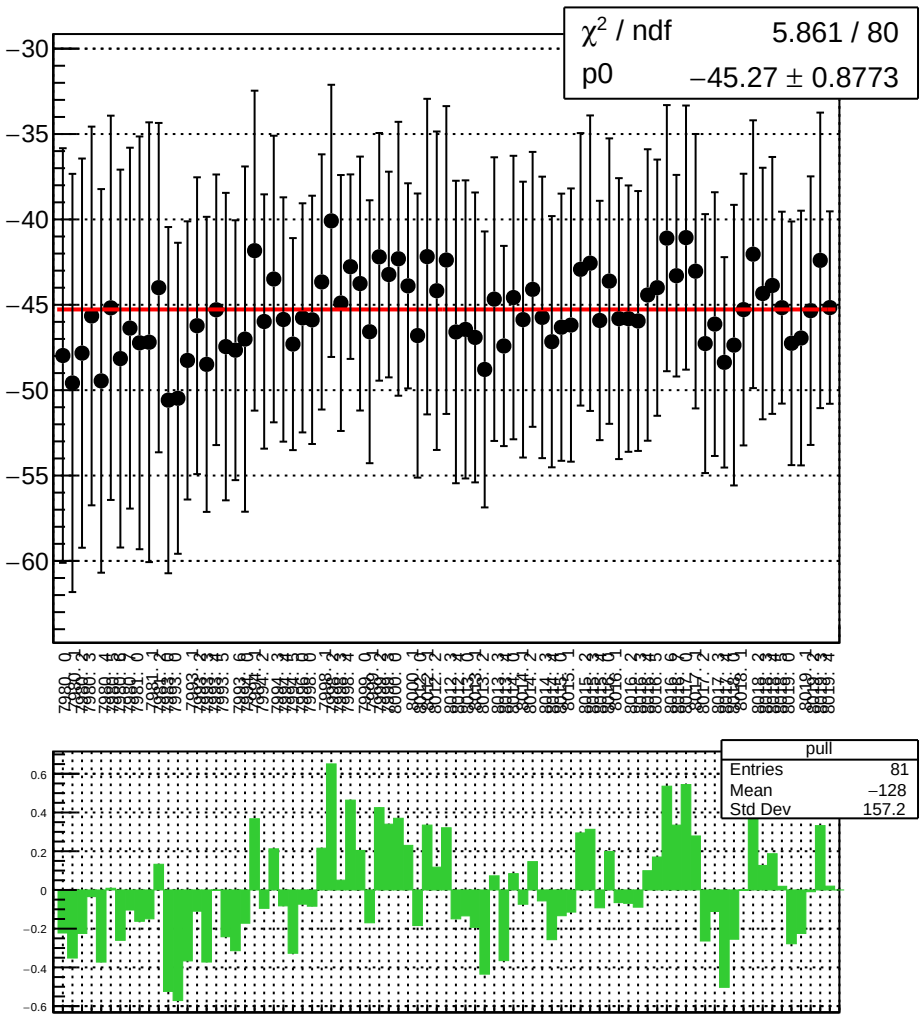

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.408 / 80
p0 −44.11 ± 1.998
pull
Entries 81
Mean −58.67
Std Dev 107.6

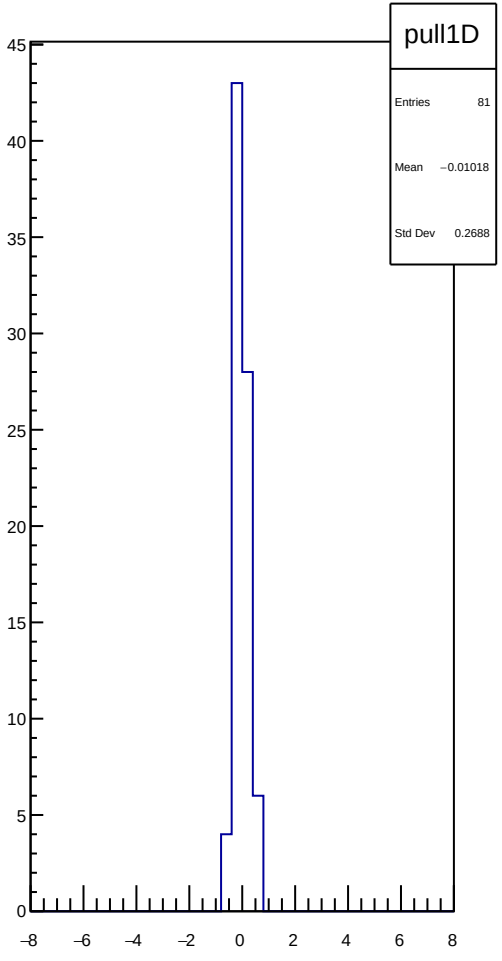

pull1D
Entries 81
Mean 0.009343
Std Dev 0.2331

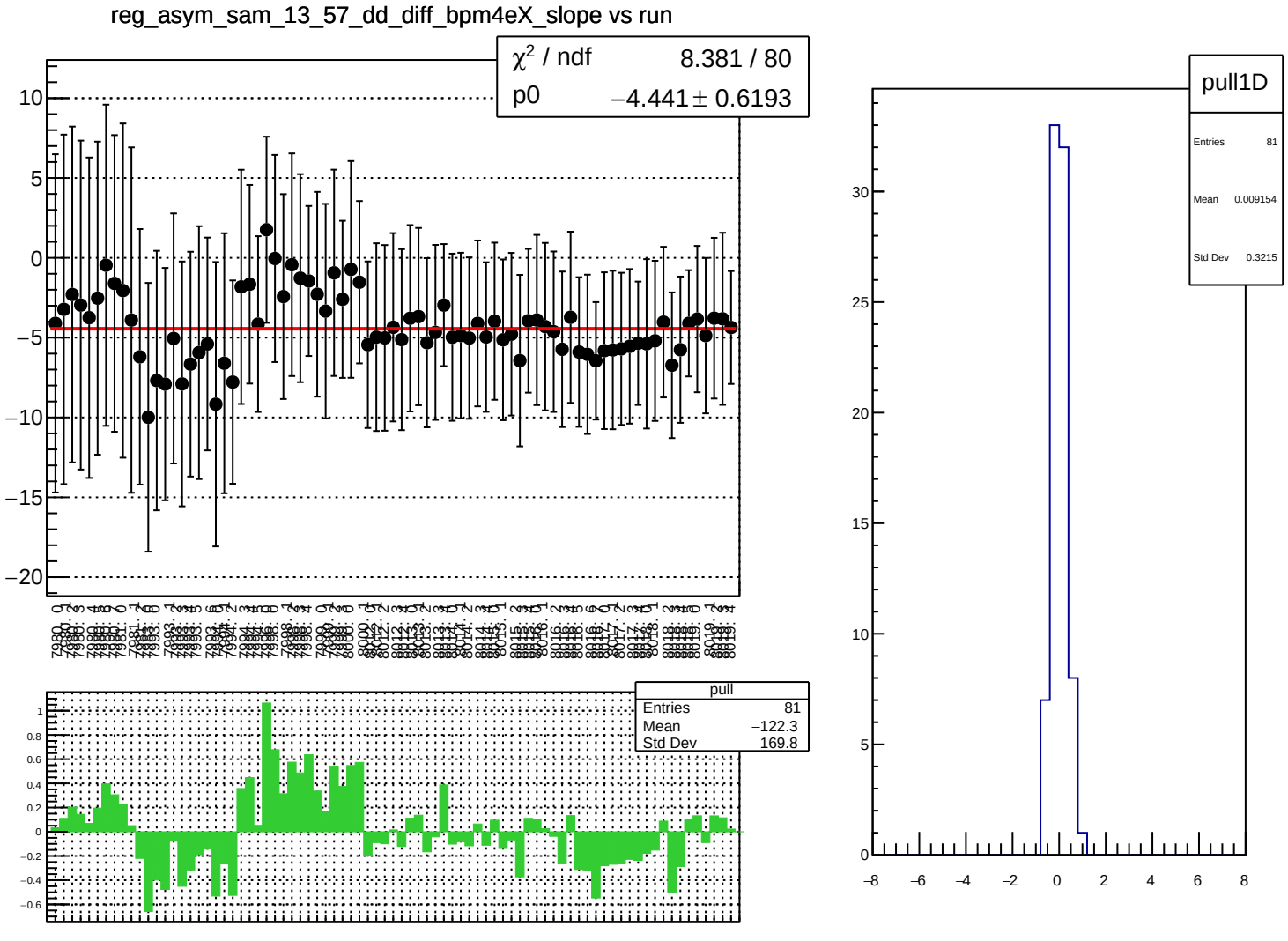

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.041 / 80
p0 49.88 ± 3.1
pull
Entries 81
Mean −112.2
Std Dev 149.3
pull1D
Entries 81
Mean −0.01911
Std Dev 0.2225

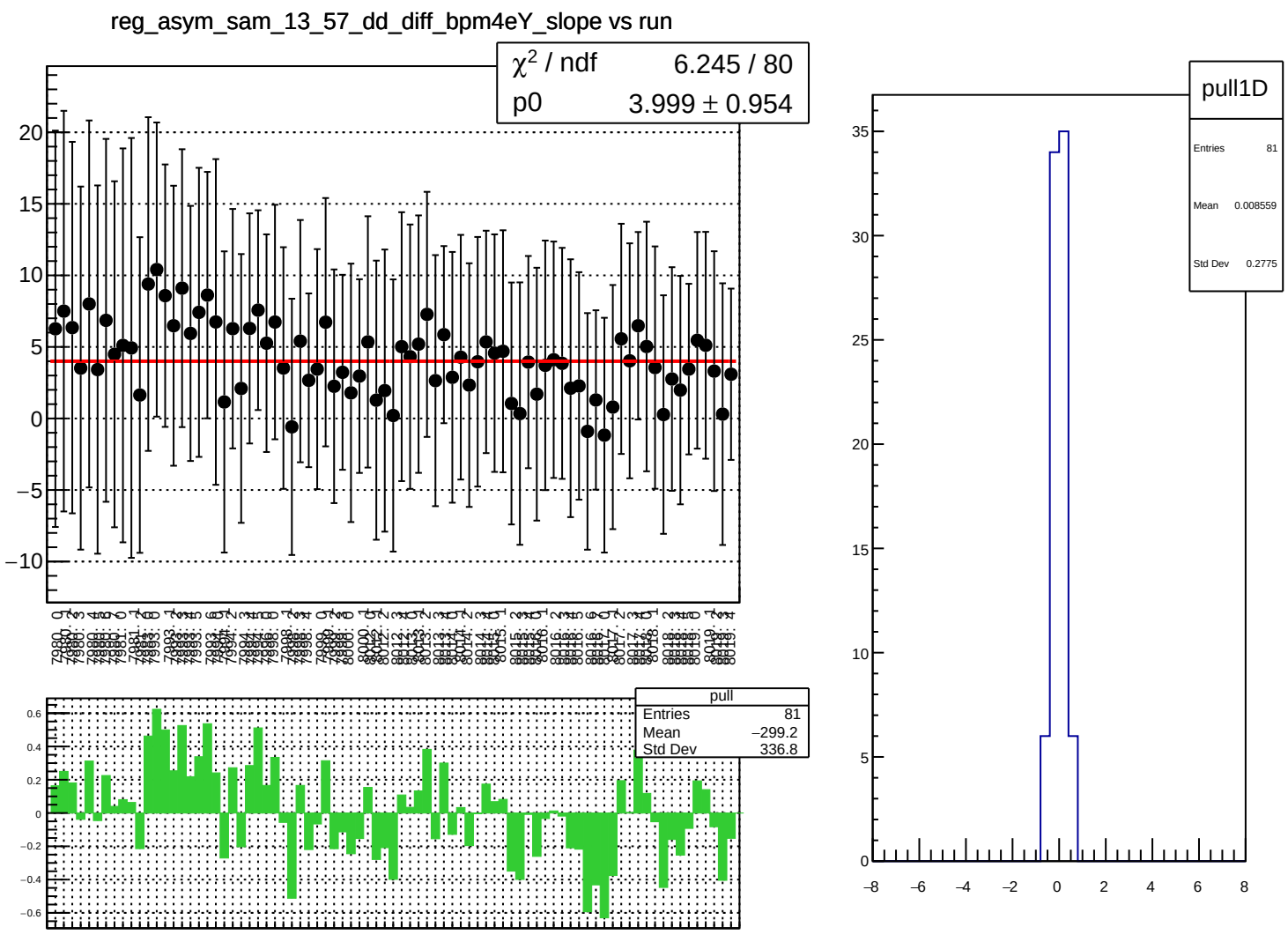

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 80.86 / 80
p0 −0.442 ± 0.122
pull
Entries 81
Mean 125.6
Std Dev 83.44
pull1D
Entries 81
Mean 0.2248
Std Dev 0.9735

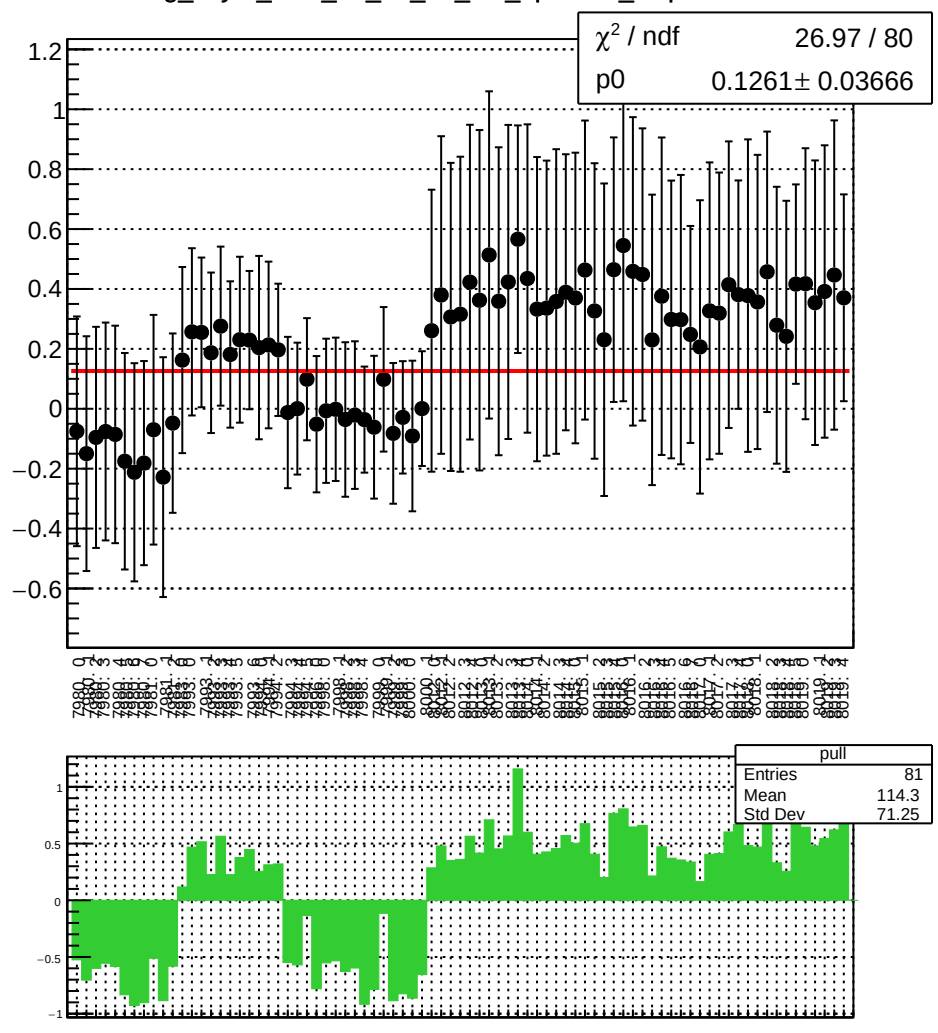

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 20.51 / 80
p0 −17.43 ± 0.606
pull
Entries 81
Mean −32.1
Std Dev 63.2
pull1D
Entries 81
Mean −0.08498
Std Dev 0.496

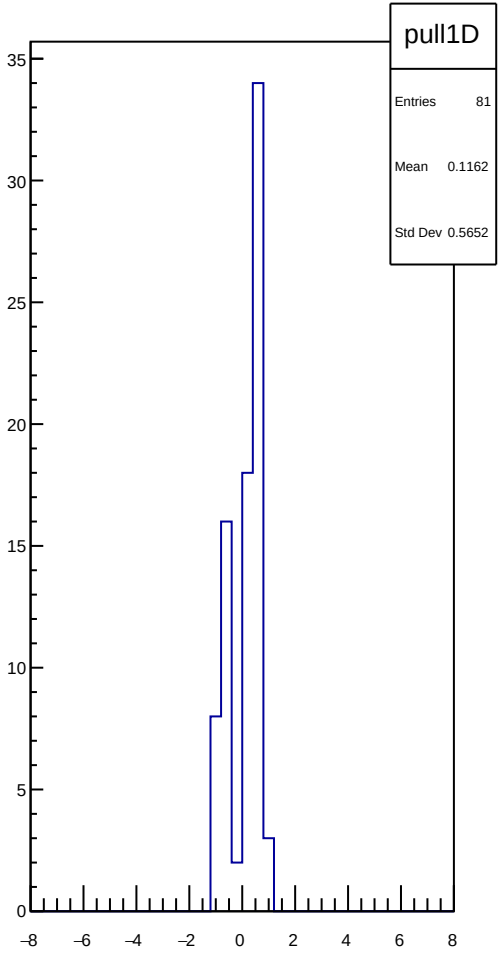

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.861 / 80
p0 −45.27 ± 0.8773
pull
Entries 81
Mean −128
Std Dev 157.2

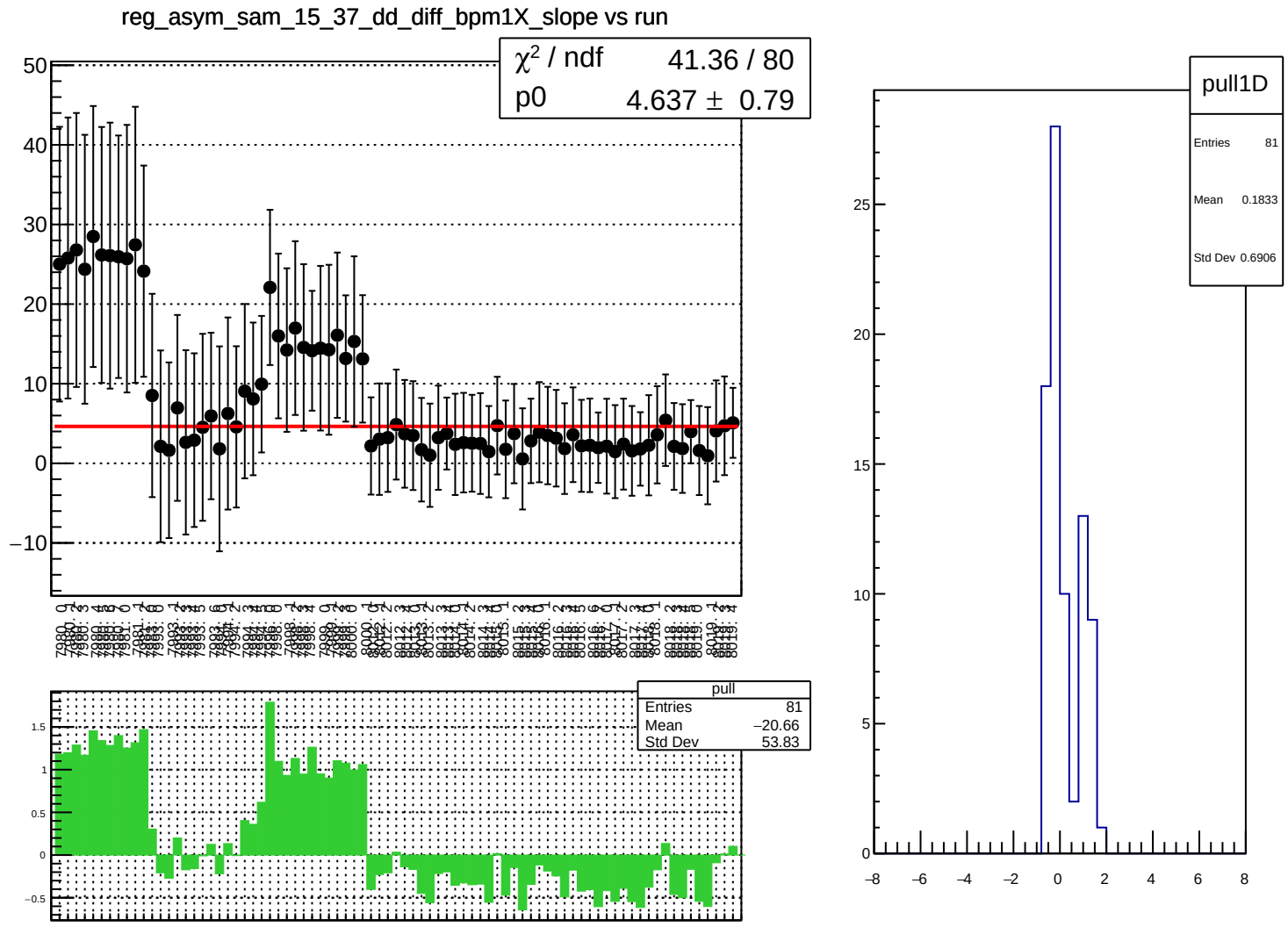

pull1D
Entries 81
Mean −0.01018
Std Dev 0.2688

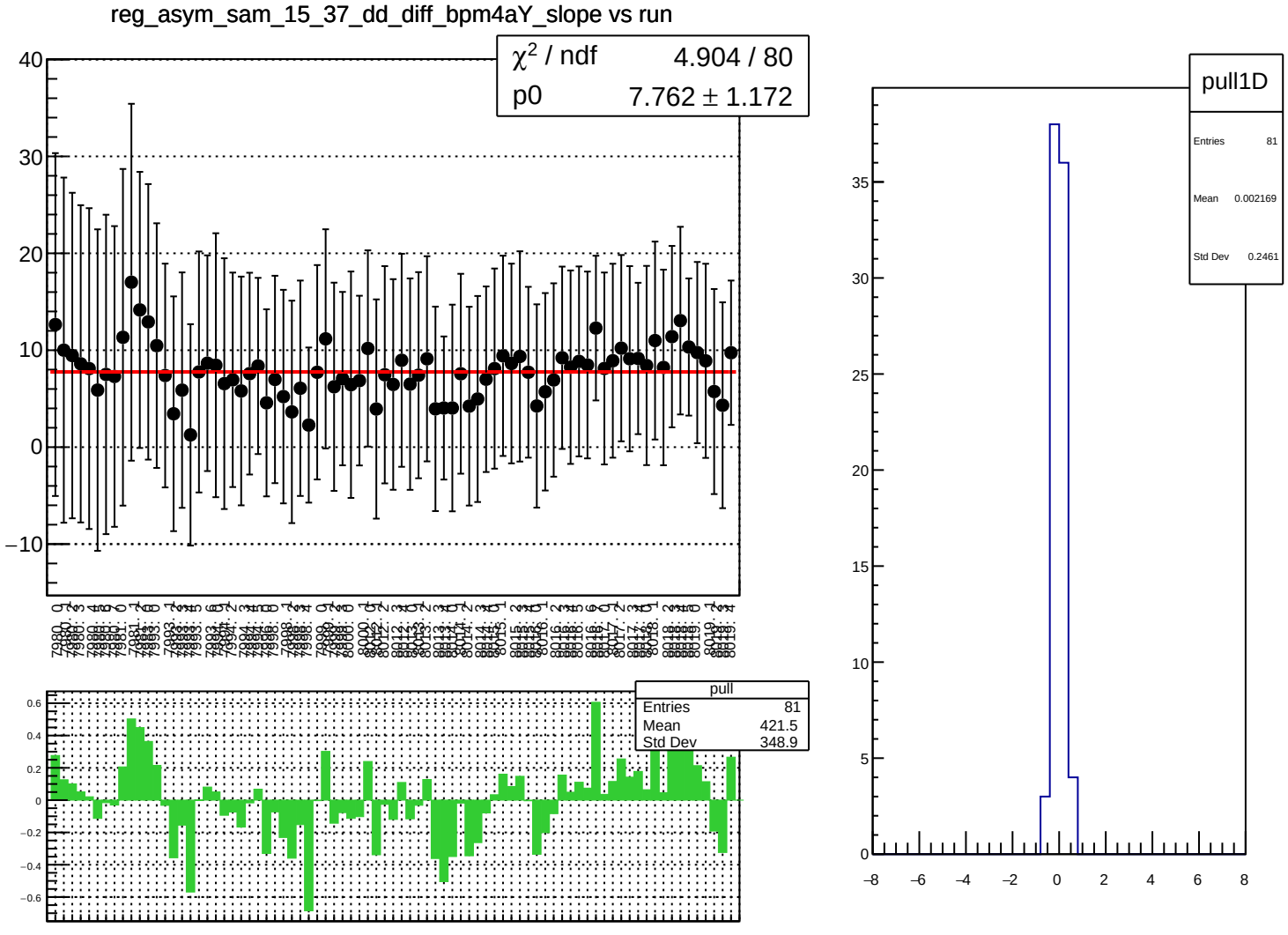

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.381 / 80
p0 −4.441 ± 0.6193
pull
Entries 81
Mean −122.3
Std Dev 169.8
pull1D
Entries 81
Mean 0.009154
Std Dev 0.3215

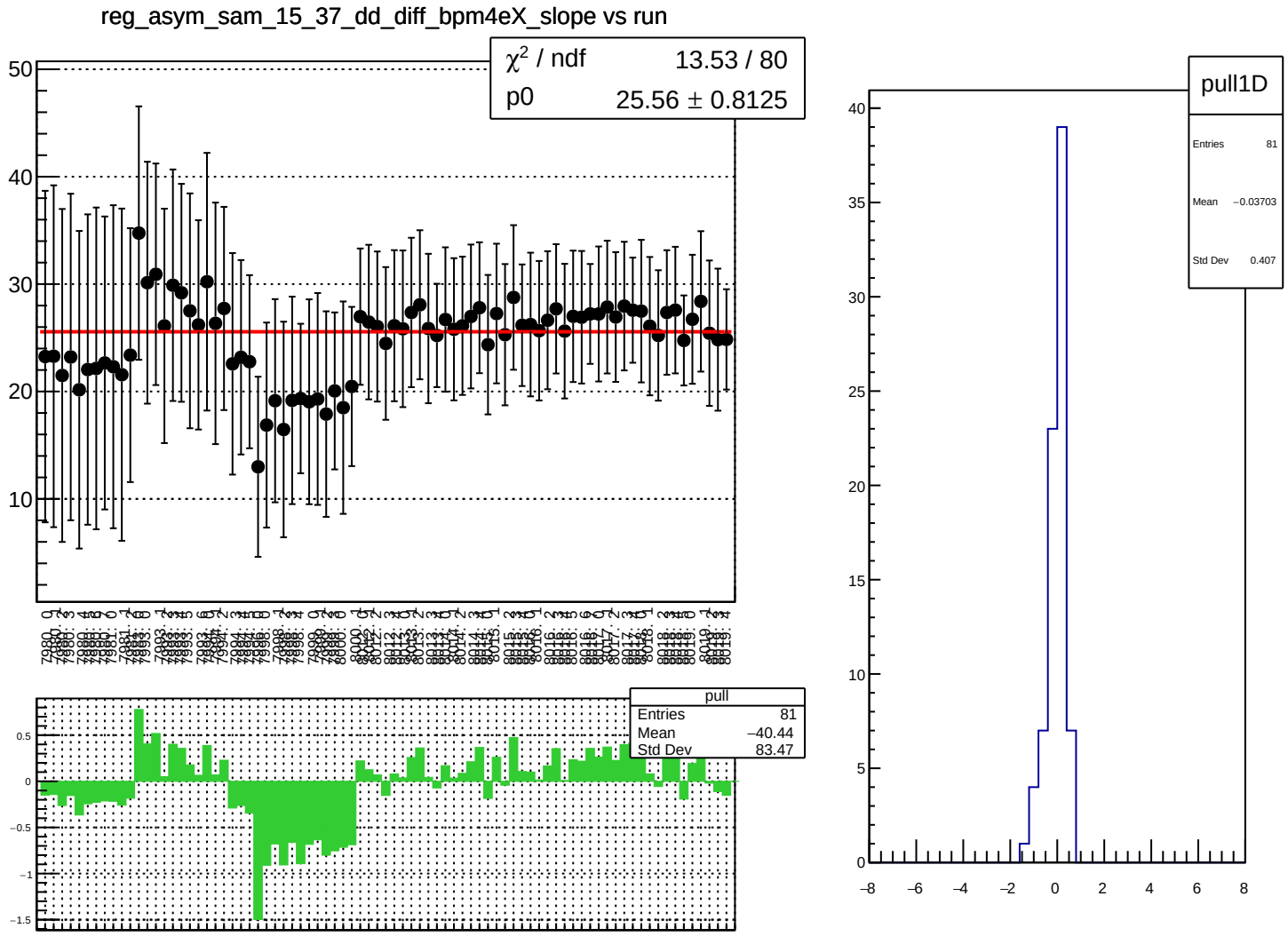

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.245 / 80
p0 3.999 ± 0.954
pull
Entries 81
Mean −299.2
Std Dev 336.8
pull1D
Entries 81
Mean 0.008559
Std Dev 0.2775

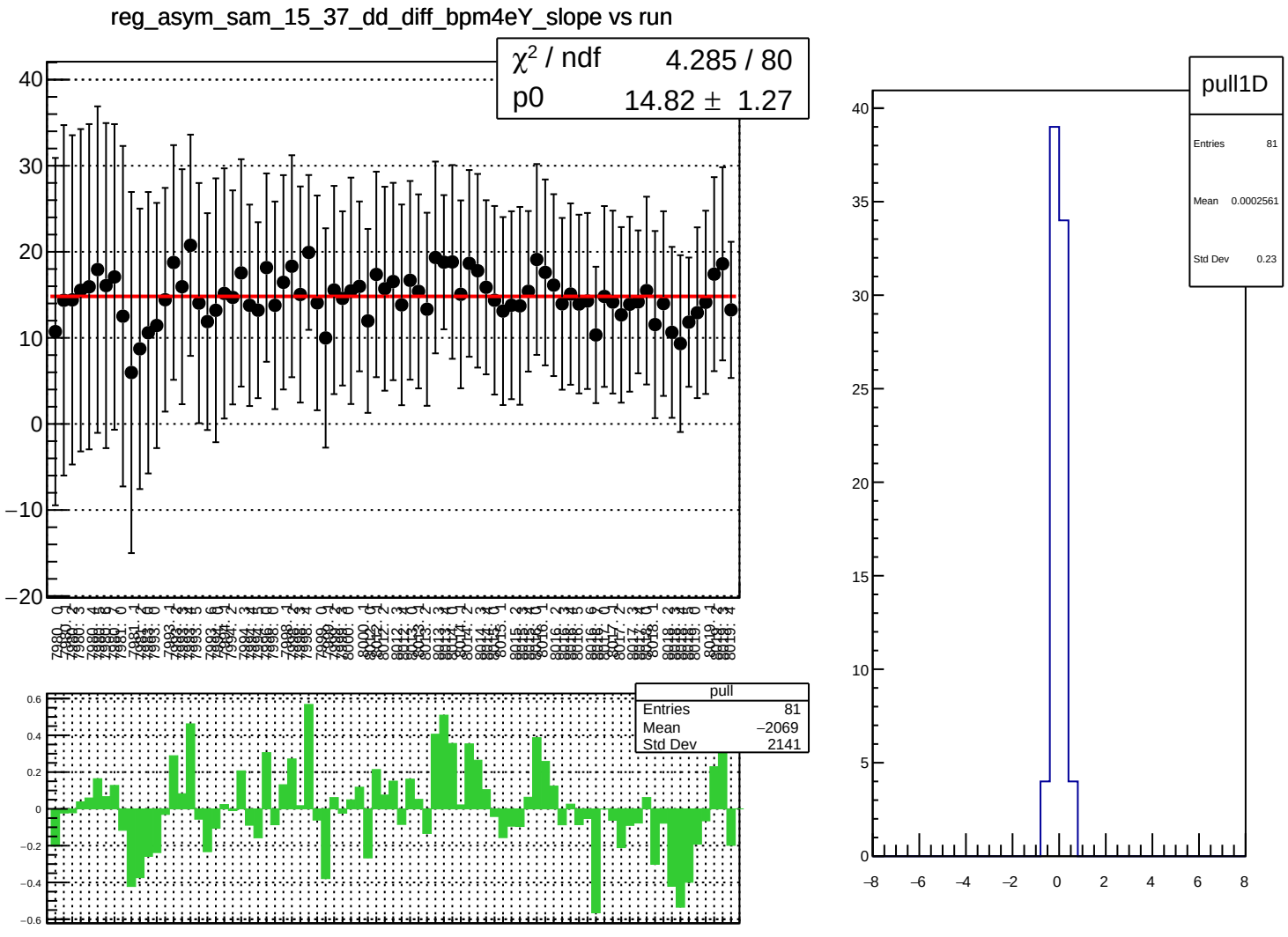

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 26.97 / 80
p0 0.1261± 0.03666
pull
Entries 81
Mean 114.3
Std Dev 71.25

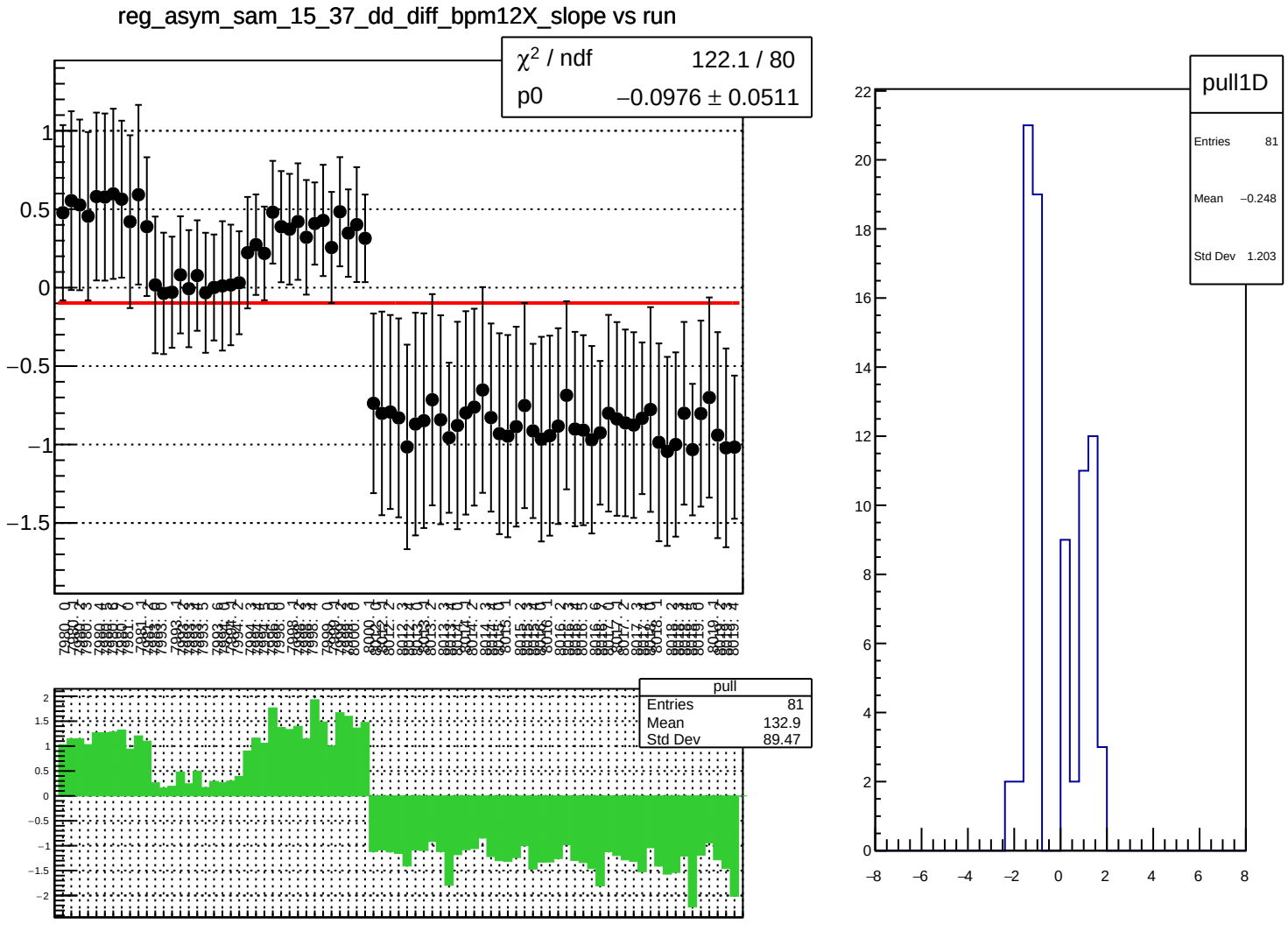

pull1D
Entries 81
Mean 0.1162
Std Dev 0.5652

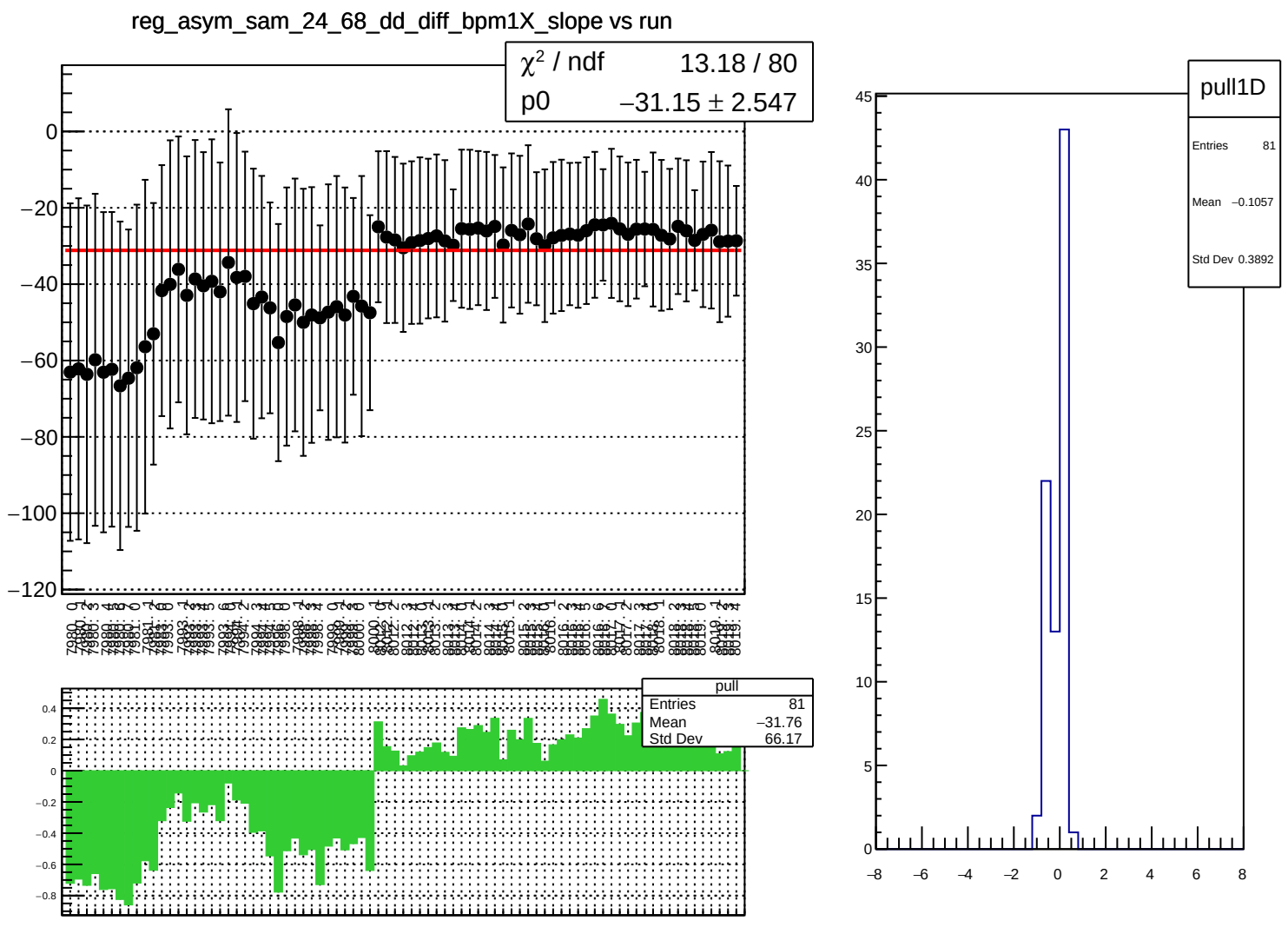

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 41.36 / 80
p0 4.637 ± 0.79
pull
Entries 81
Mean −20.66
Std Dev 53.83
pull1D
Entries 81
Mean 0.1833
Std Dev 0.6906

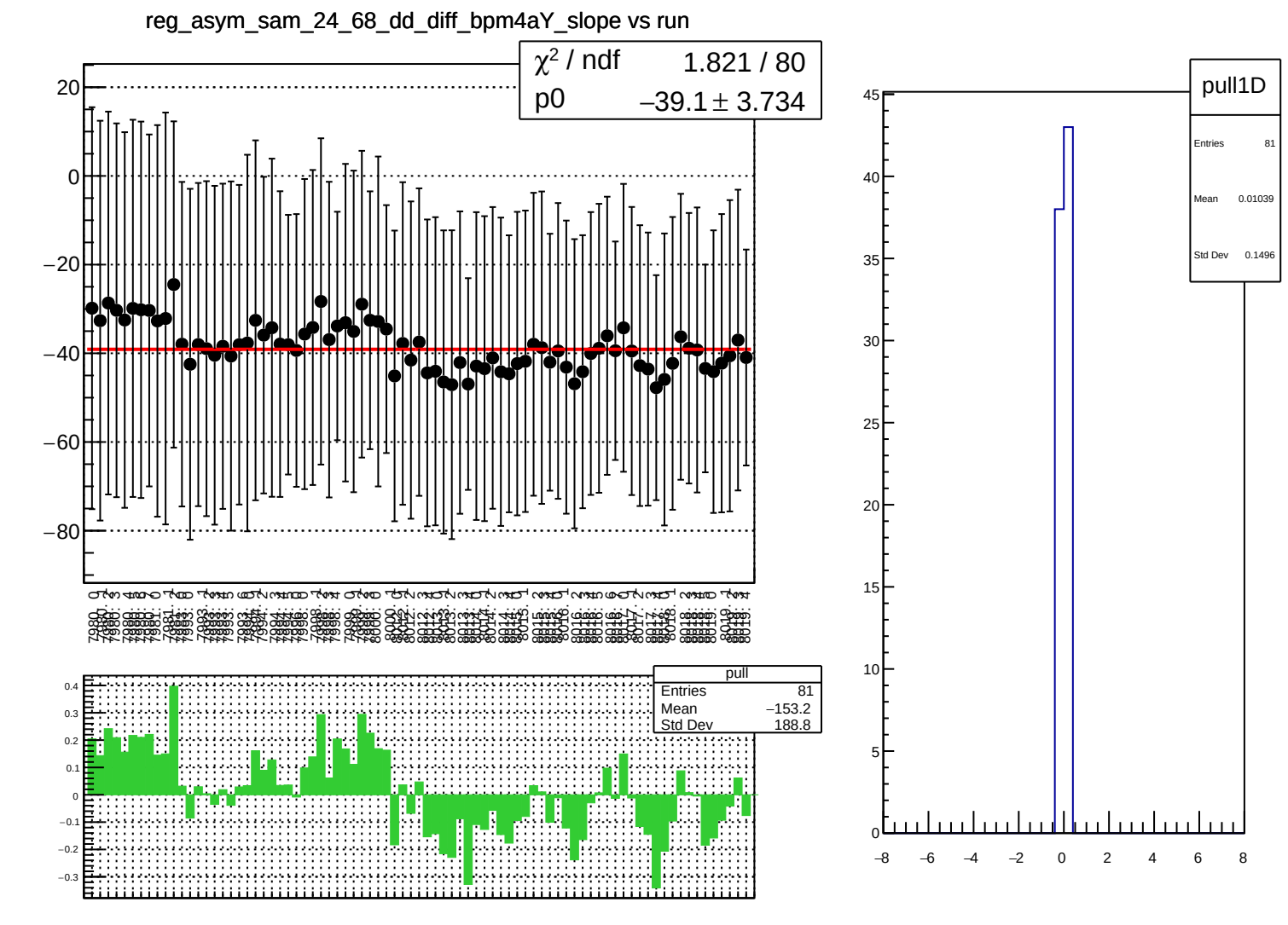

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.904 / 80
p0 7.762 ± 1.172
pull
Entries 81
Mean 421.5
Std Dev 348.9
pull1D
Entries 81
Mean 0.002169
Std Dev 0.2461

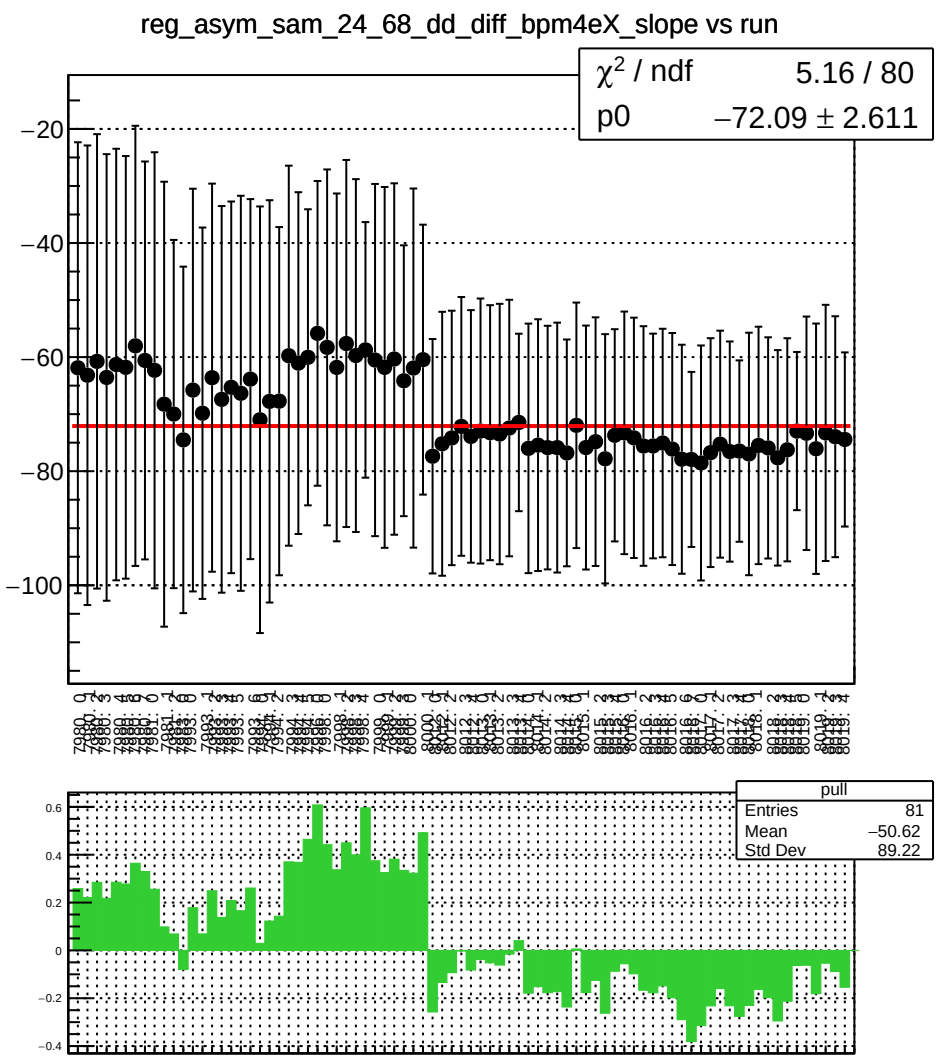

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.53 / 80
p0 25.56 ± 0.8125
pull
Entries 81
Mean −40.44
Std Dev 83.47
pull1D
Entries 81
Mean −0.03703
Std Dev 0.407

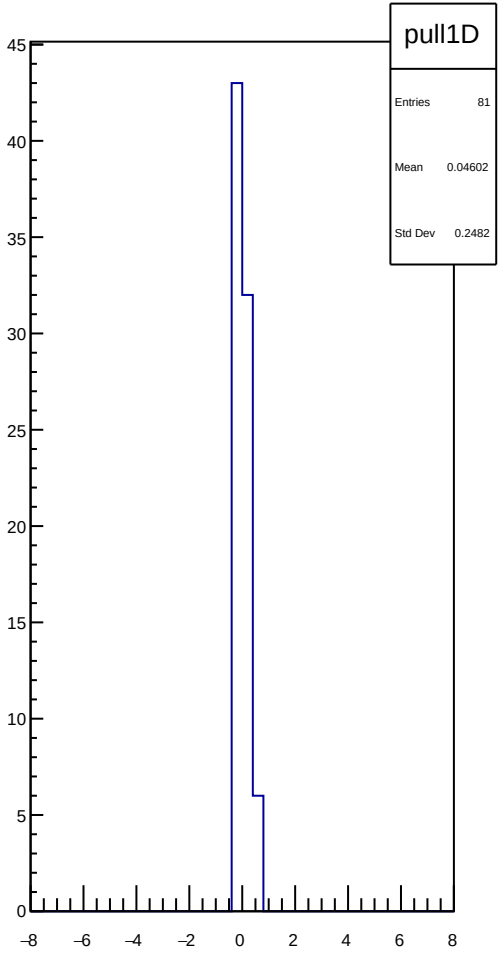

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.285 / 80
p0 14.82 ± 1.27
pull
Entries 81
Mean −2069
Std Dev 2141
pull1D
Entries 81
Mean 0.0002561
Std Dev 0.23

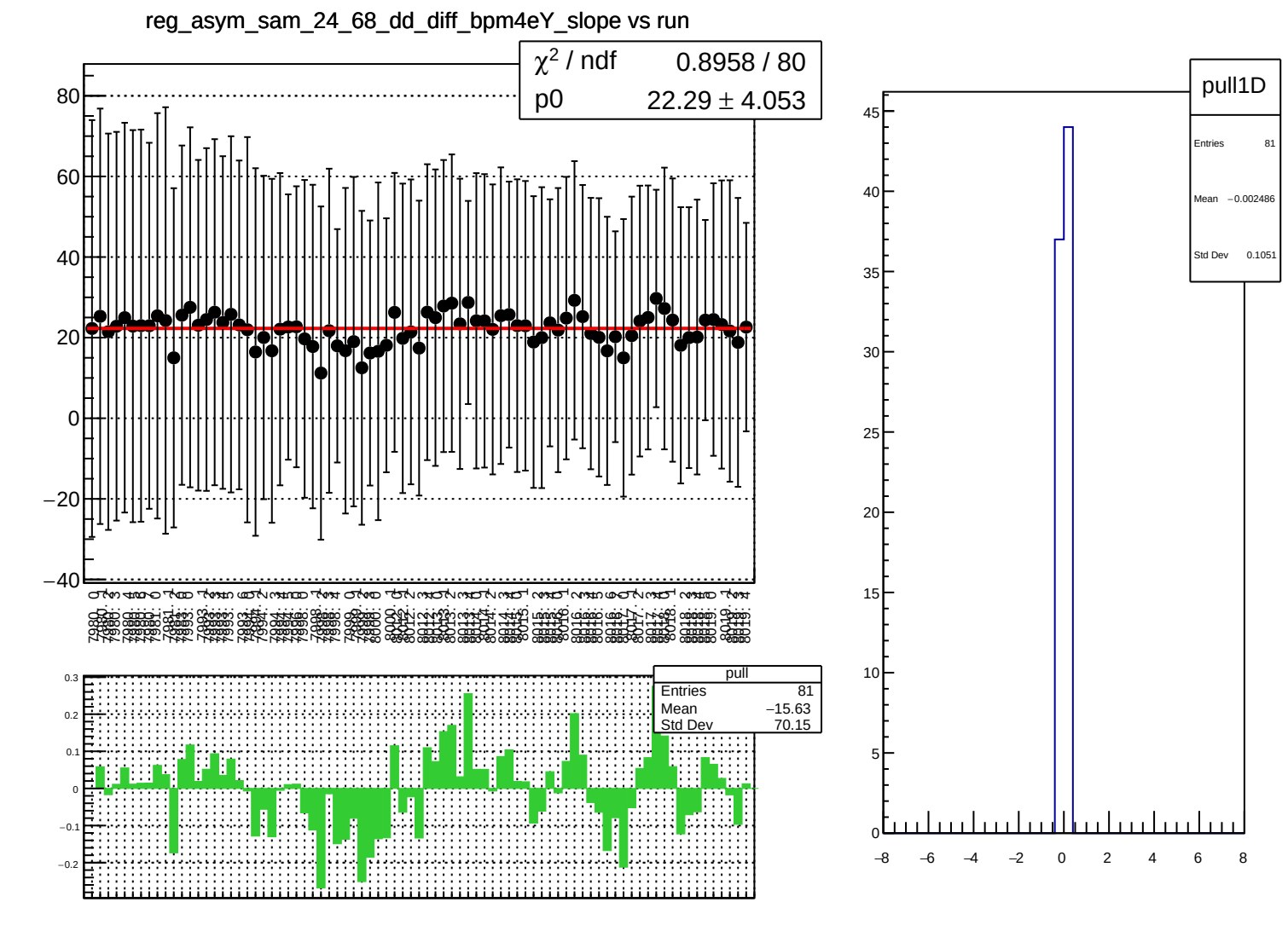

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 122.1 / 80
p0 −0.0976 ± 0.0511
pull
Entries 81
Mean 132.9
Std Dev 89.47
pull1D
Entries 81
Mean −0.248
Std Dev 1.203

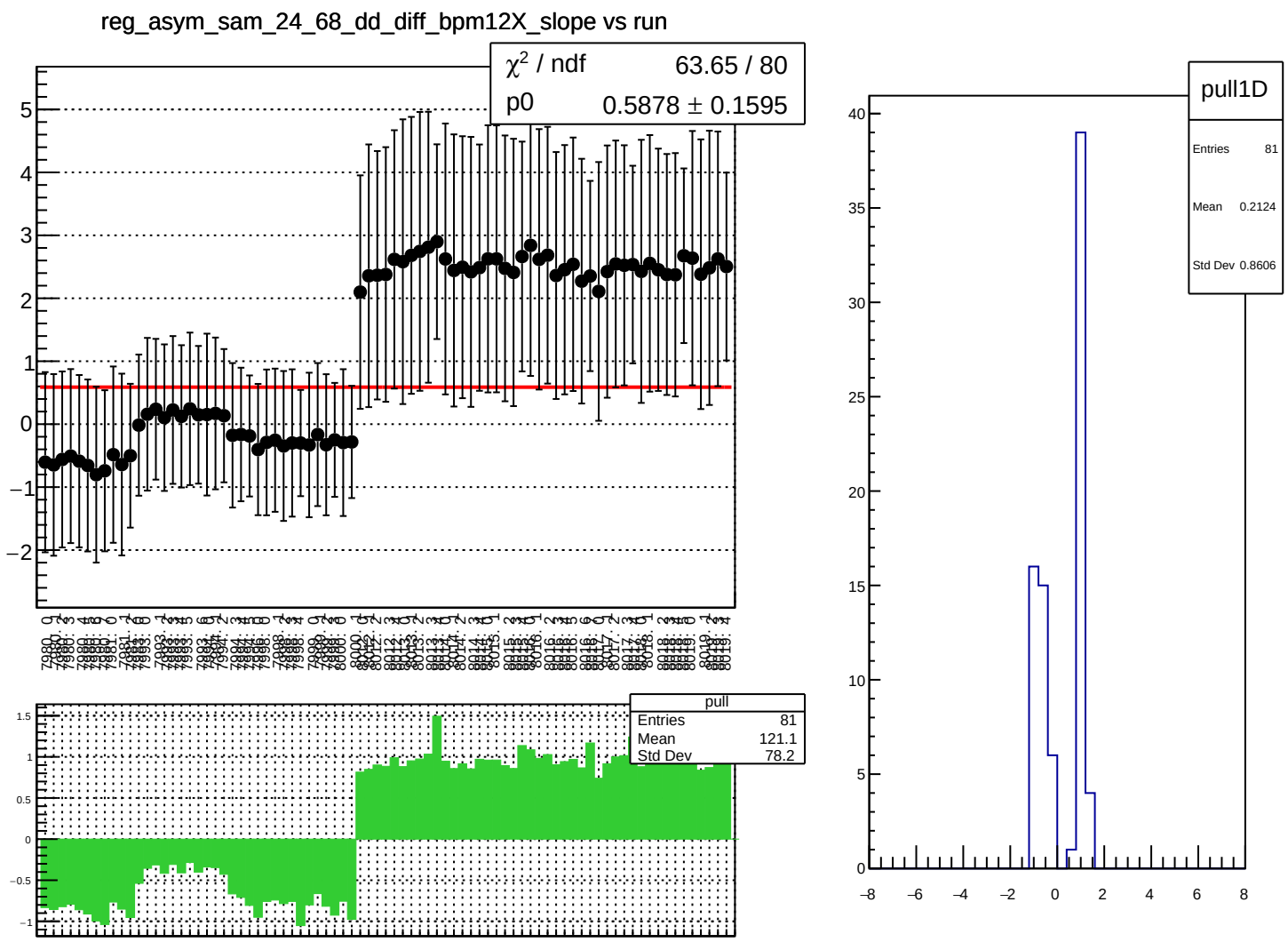

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 13.18 / 80
p0 −31.15 ± 2.547
pull
Entries 81
Mean −31.76
Std Dev 66.17
pull1D
Entries 81
Mean −0.1057
Std Dev 0.3892

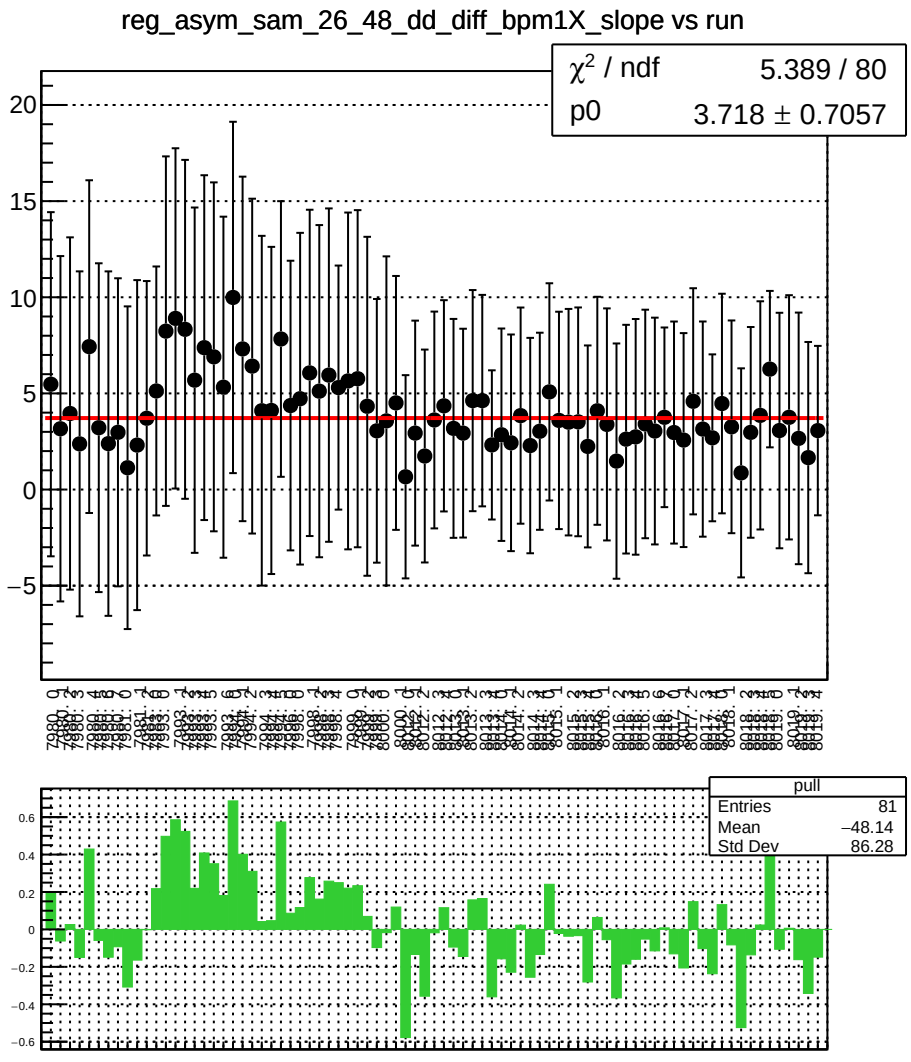

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.821 / 80
p0 −39.1 ± 3.734
pull
Entries 81
Mean −153.2
Std Dev 188.8
pull1D
Entries 81
Mean 0.01039
Std Dev 0.1496

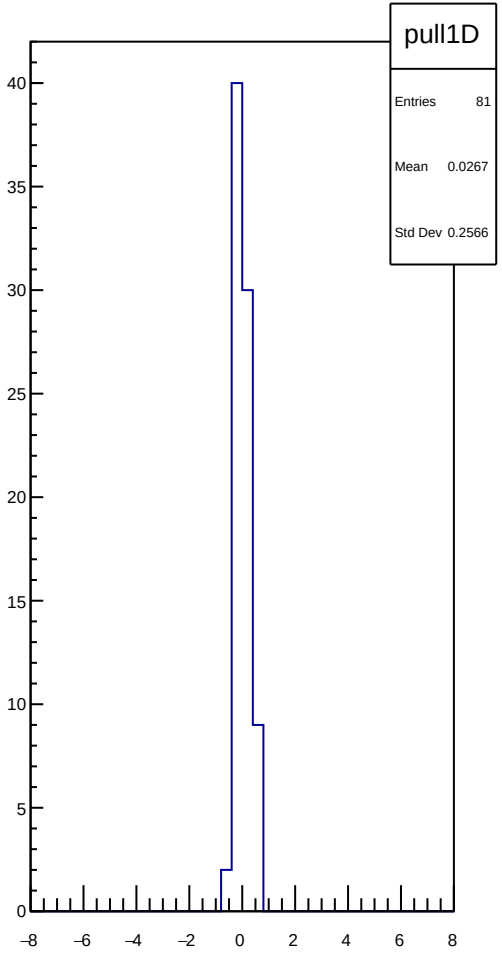

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.16 / 80
p0 −72.09 ± 2.611
pull
Entries 81
Mean −50.62
Std Dev 89.22

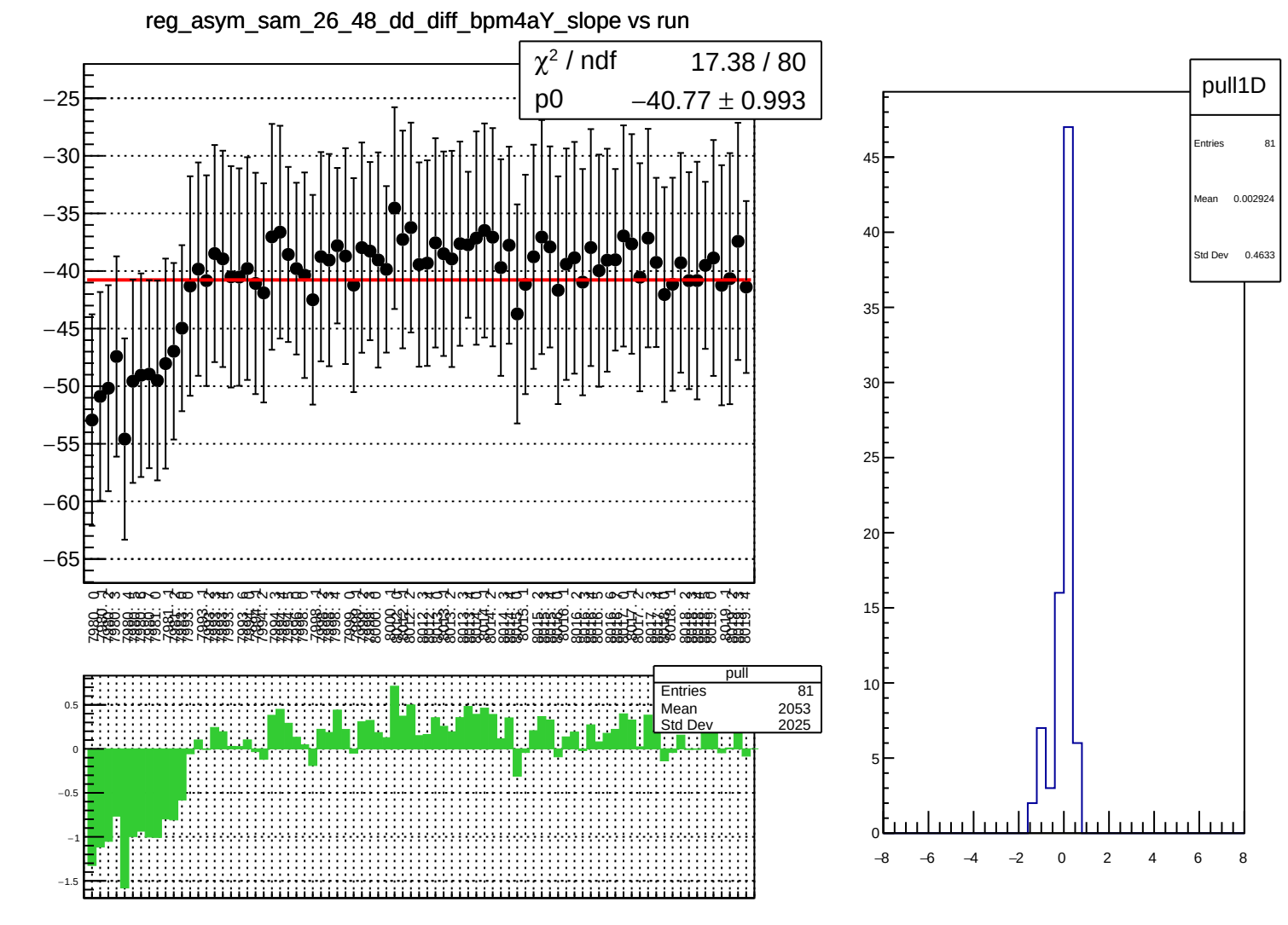

pull1D
Entries 81
Mean 0.04602
Std Dev 0.2482

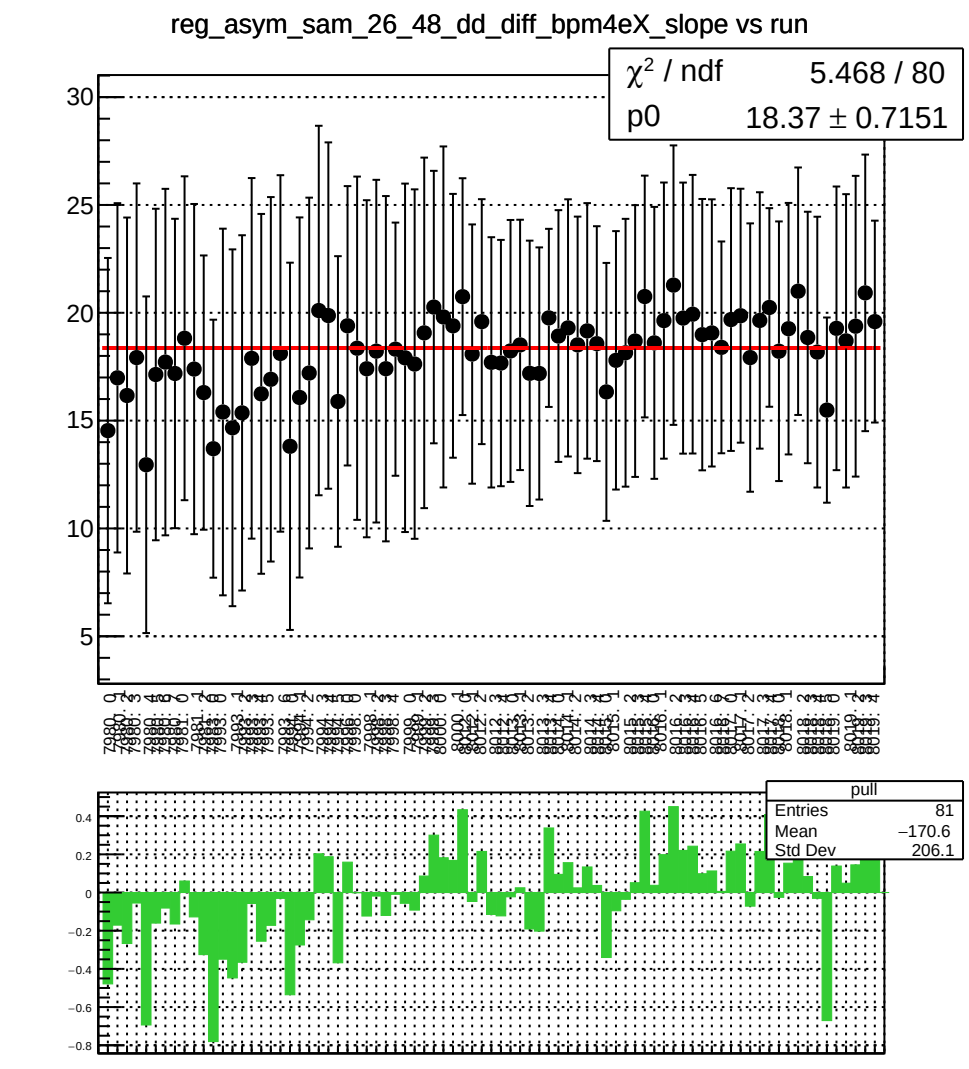

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.8958 / 80
p0 22.29 ± 4.053
pull
Entries 81
Mean −15.63
Std Dev 70.15
pull1D
Entries 81
Mean −0.002486
Std Dev 0.1051

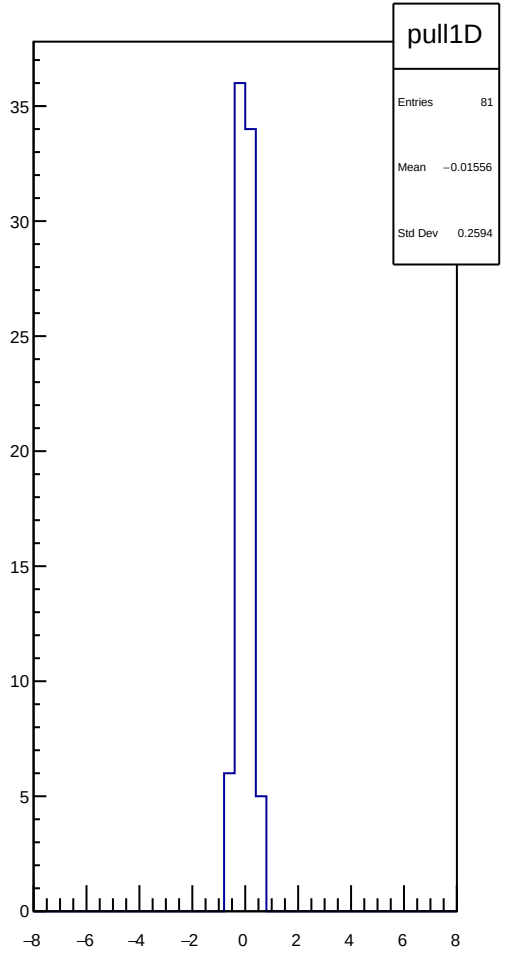

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 63.65 / 80
p0 0.5878 ± 0.1595
pull
Entries 81
Mean 121.1
Std Dev 78.2
pull1D
Entries 81
Mean 0.2124
Std Dev 0.8606

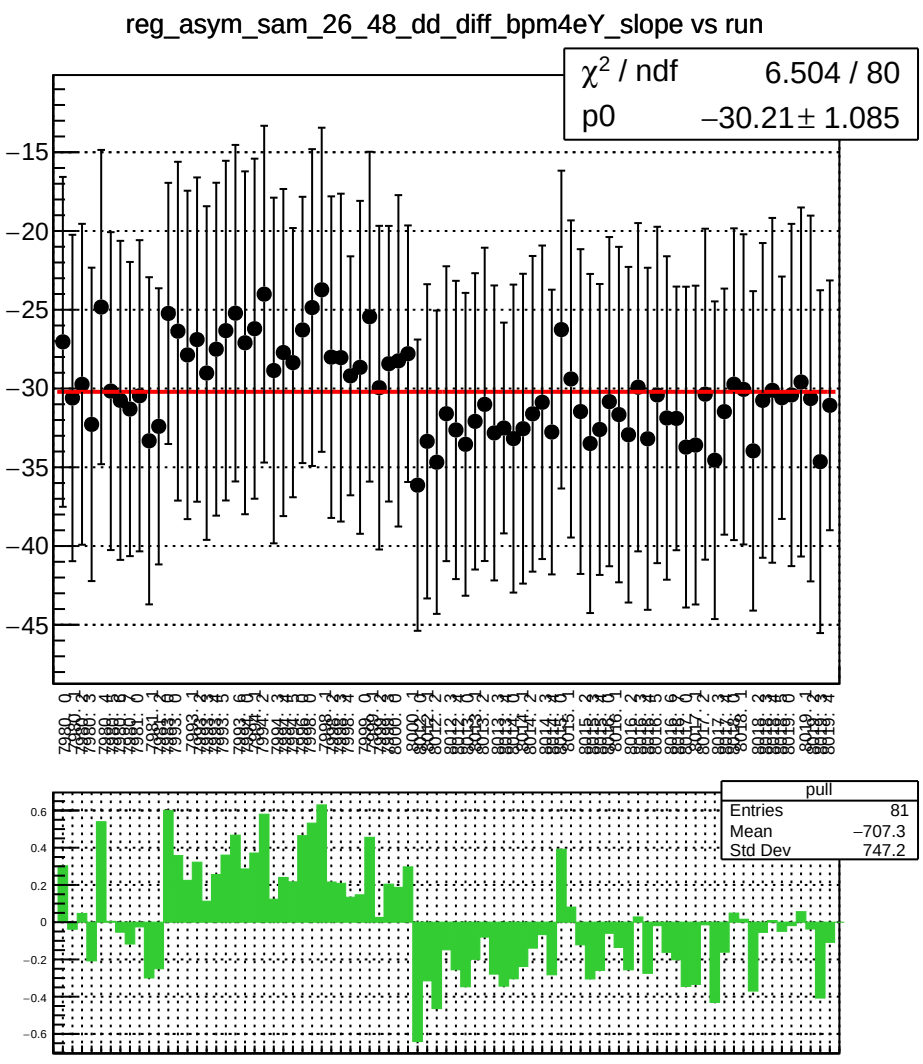

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.389 / 80
p0 3.718 ± 0.7057
pull
Entries 81
Mean −48.14
Std Dev 86.28

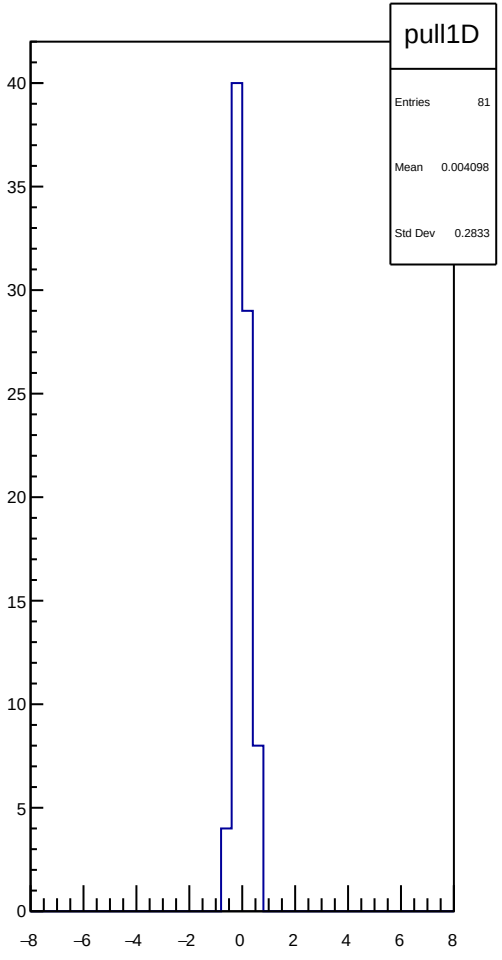

pull1D
Entries 81
Mean 0.0267
Std Dev 0.2566

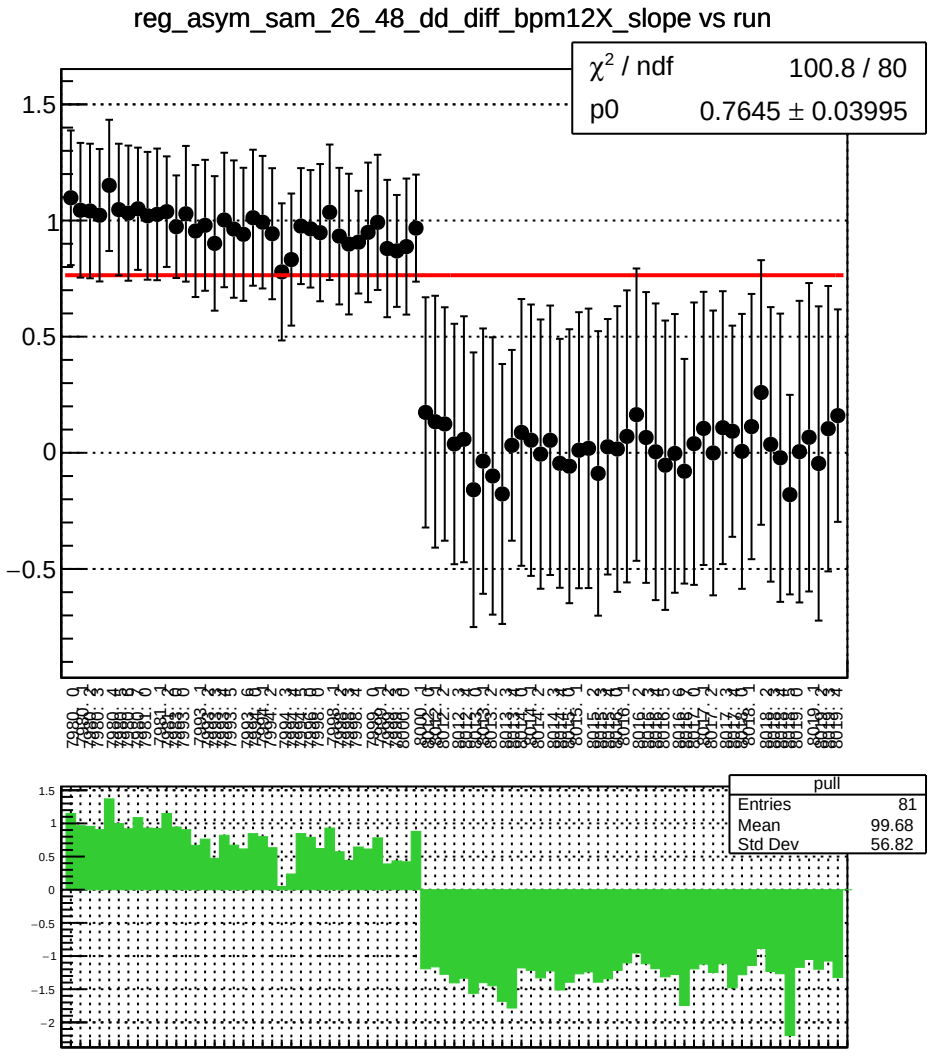

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.38 / 80
p0 −40.77 ± 0.993
pull
Entries 81
Mean 2053
Std Dev 2025
pull1D
Entries 81
Mean 0.002924
Std Dev 0.4633

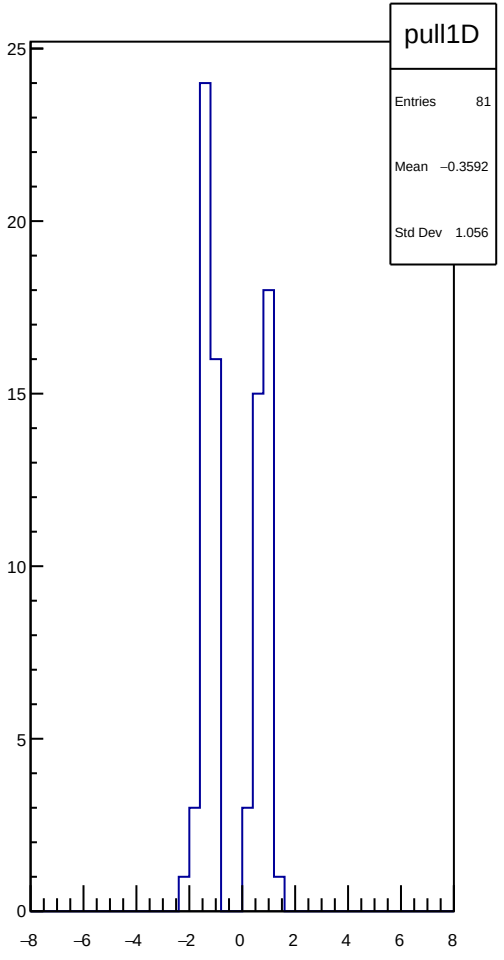

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.468 / 80
p0 18.37 ± 0.7151
pull
Entries 81
Mean −170.6
Std Dev 206.1

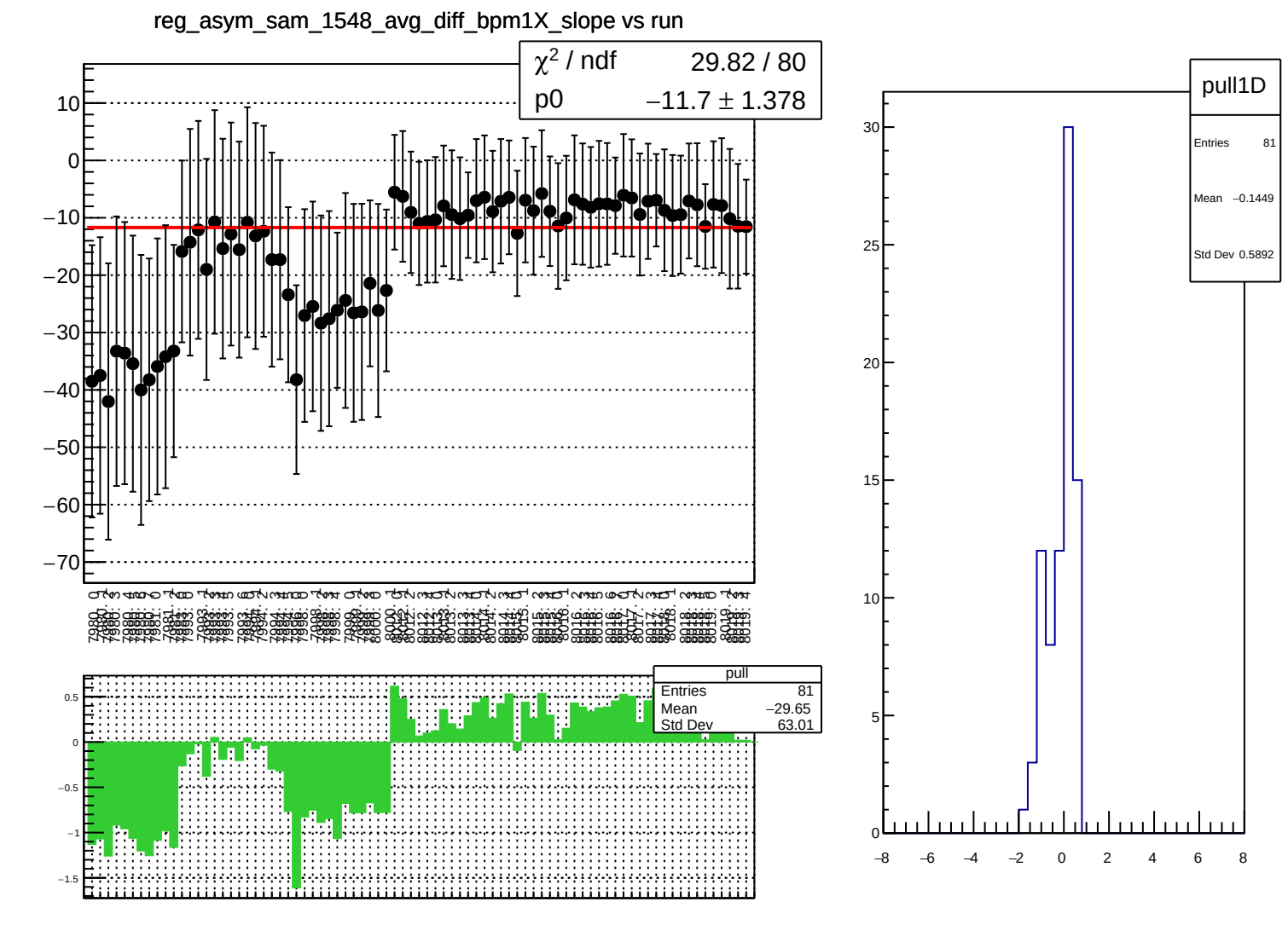

pull1D
Entries 81
Mean −0.01556
Std Dev 0.2594

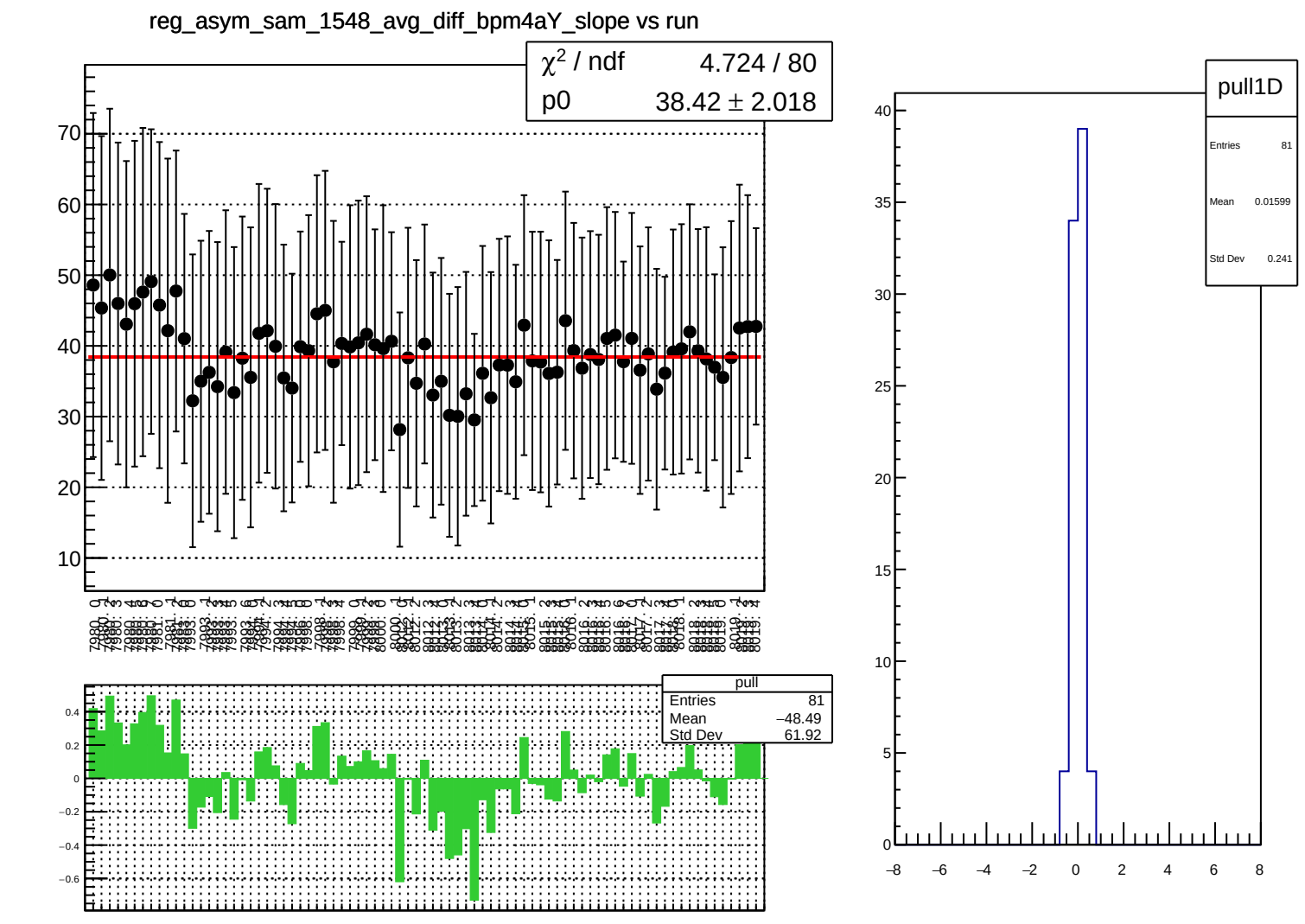

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.504 / 80
p0 −30.21 ± 1.085
pull
Entries 81
Mean −707.3
Std Dev 747.2

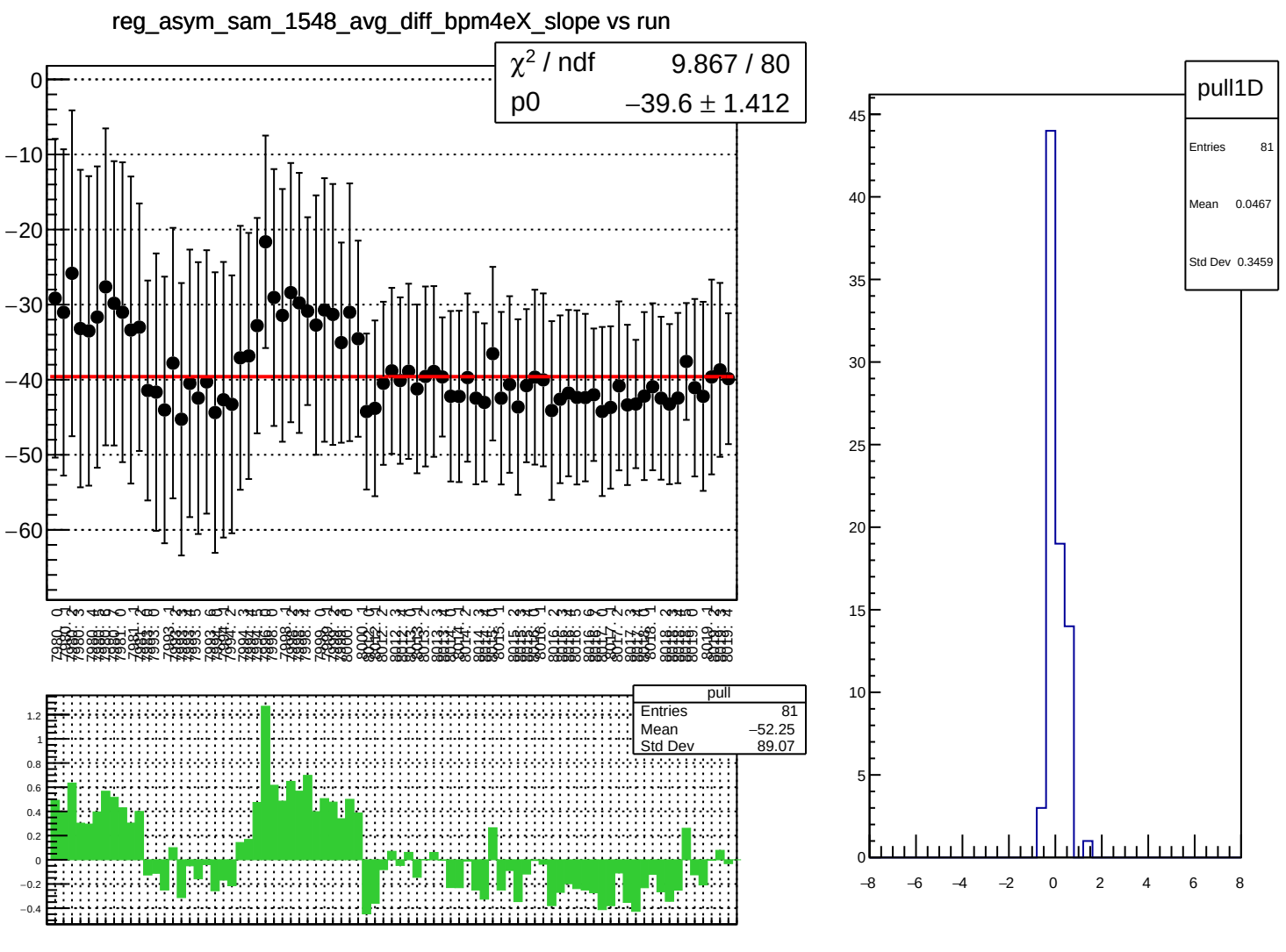

pull1D
Entries 81
Mean 0.004098
Std Dev 0.2833

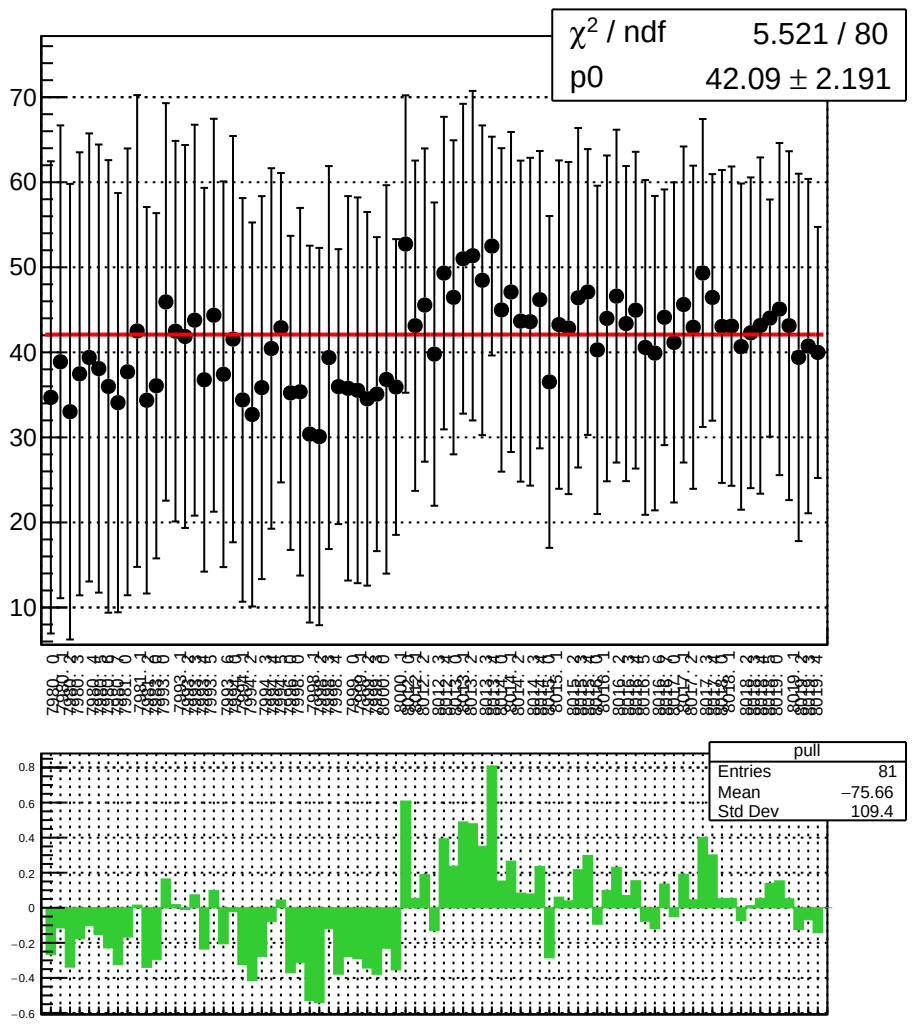

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 100.8 / 80
p0 0.7645 ± 0.03995
pull
Entries 81
Mean 99.68
Std Dev 56.82

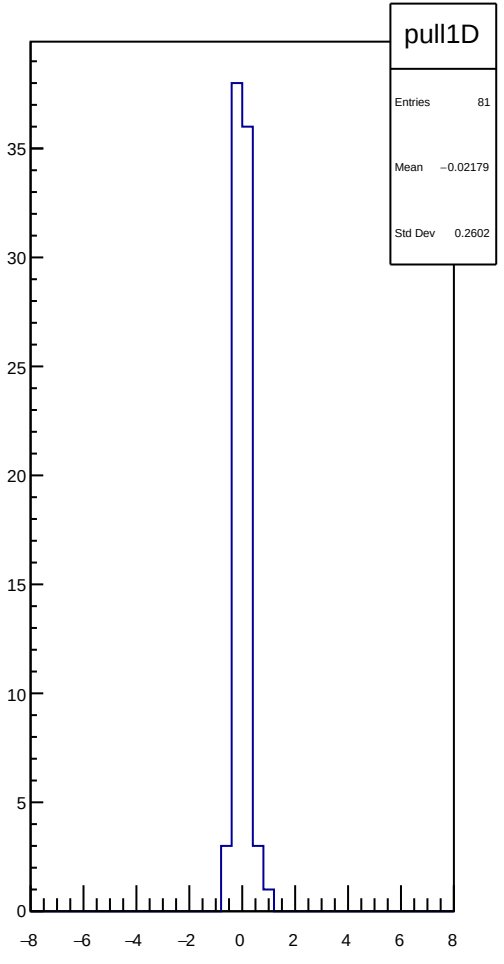

pull1D
Entries 81
Mean −0.3592
Std Dev 1.056

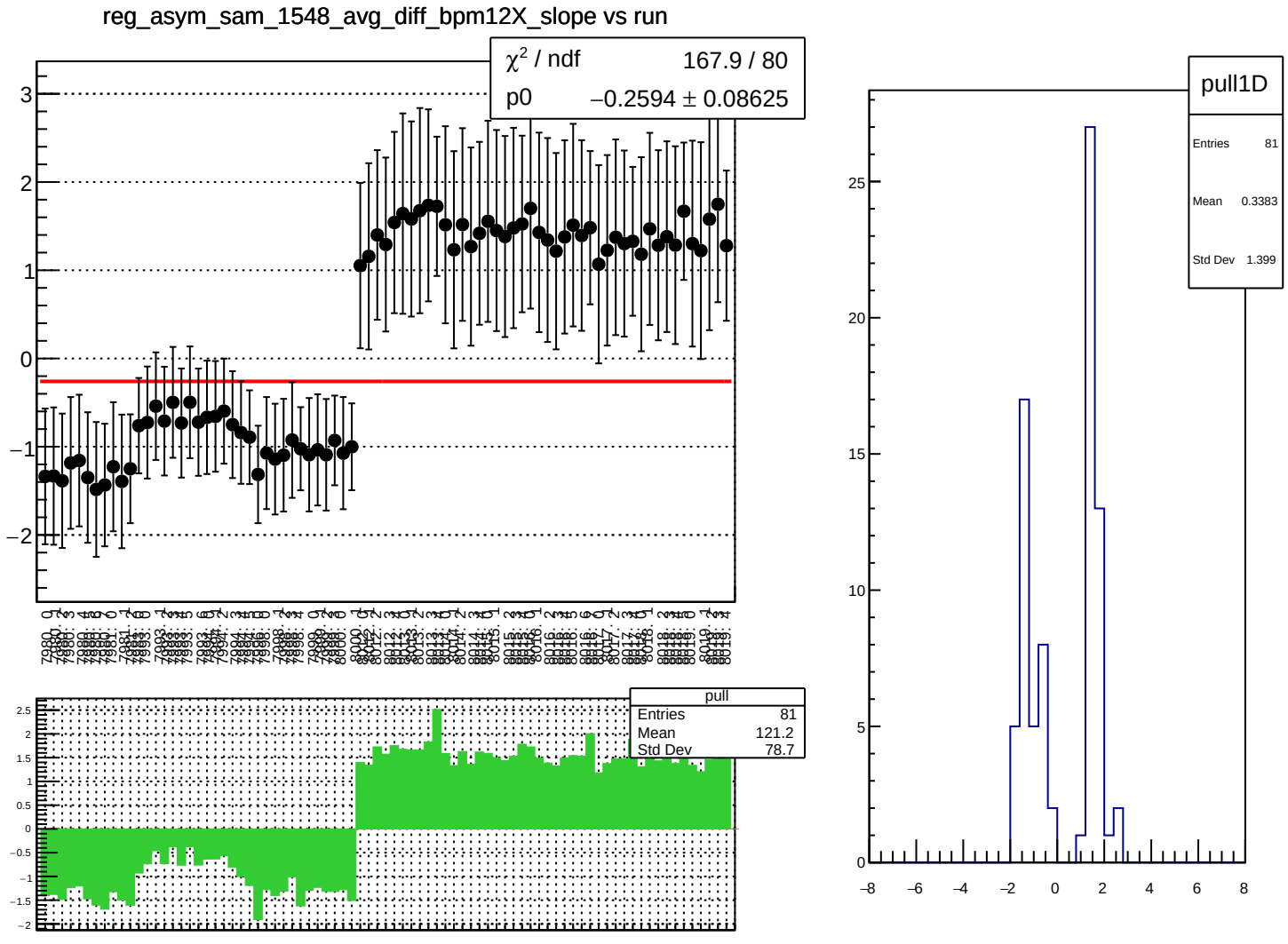

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 29.82 / 80
p0 −11.7 ± 1.378
pull
Entries 81
Mean −29.65
Std Dev 63.01
pull1D
Entries 81
Mean −0.1449
Std Dev 0.5892

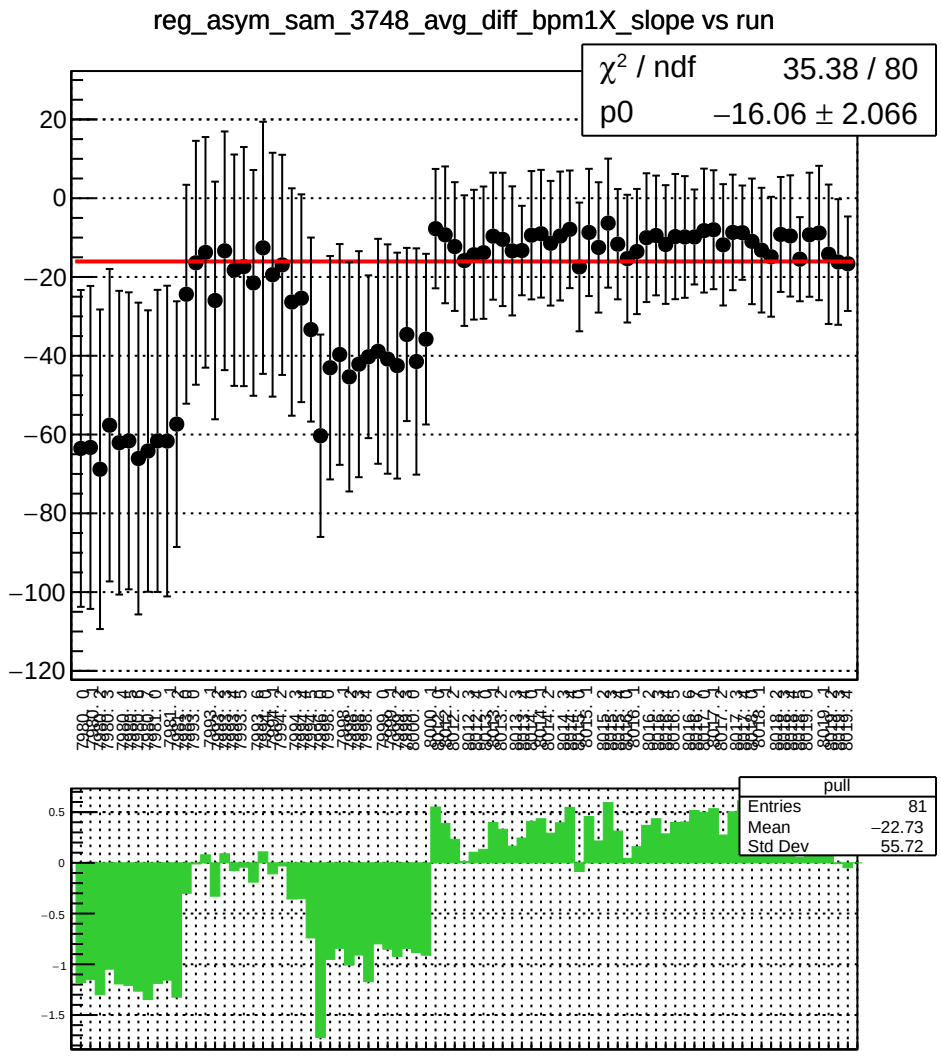

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.724 / 80
p0 38.42 ± 2.018
pull
Entries 81
Mean −48.49
Std Dev 61.92
pull1D
Entries 81
Mean 0.01599
Std Dev 0.241

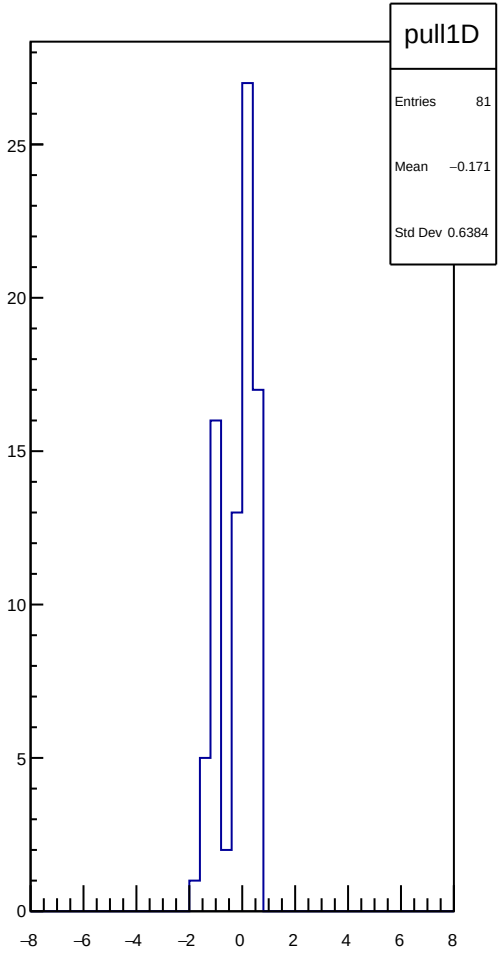

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.867 / 80
p0 −39.6 ± 1.412
pull
Entries 81
Mean −52.25
Std Dev 89.07
pull1D
Entries 81
Mean 0.0467
Std Dev 0.3459

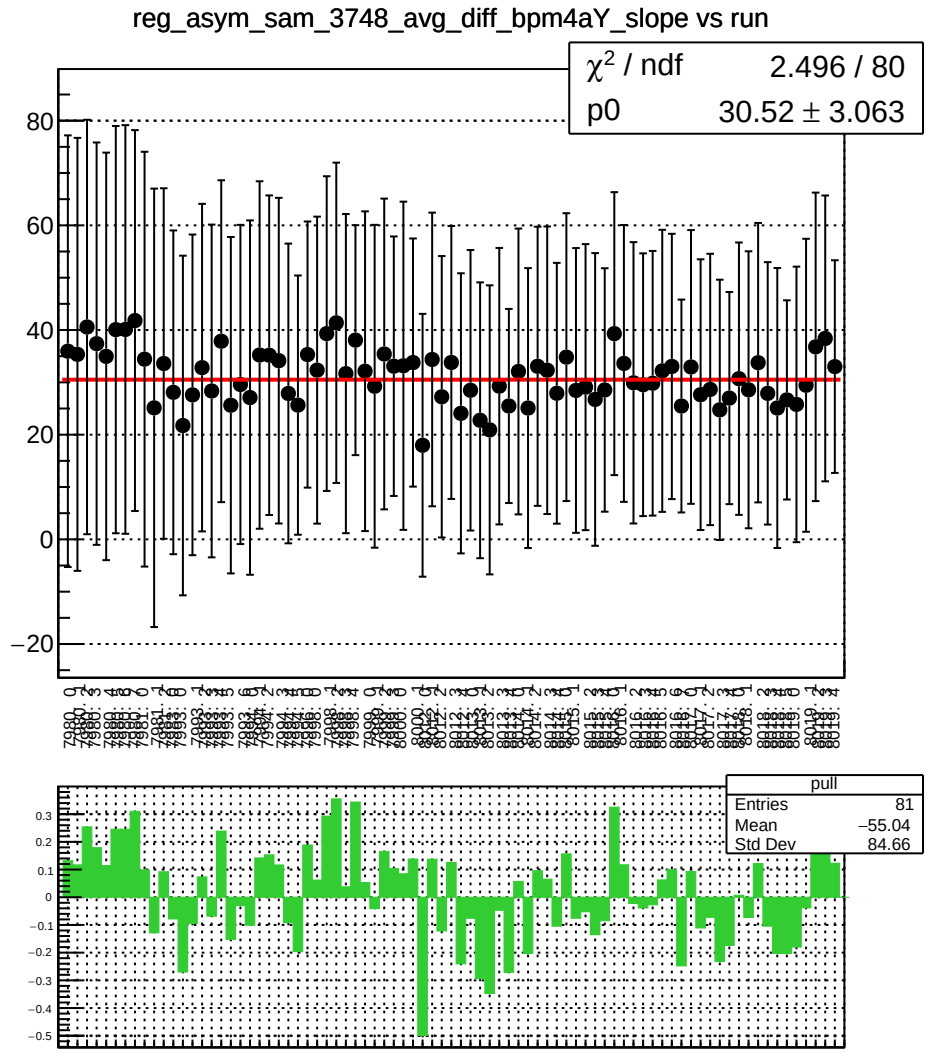

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.521 / 80
p0 42.09 ± 2.191
pull
Entries 81
Mean −75.66
Std Dev 109.4

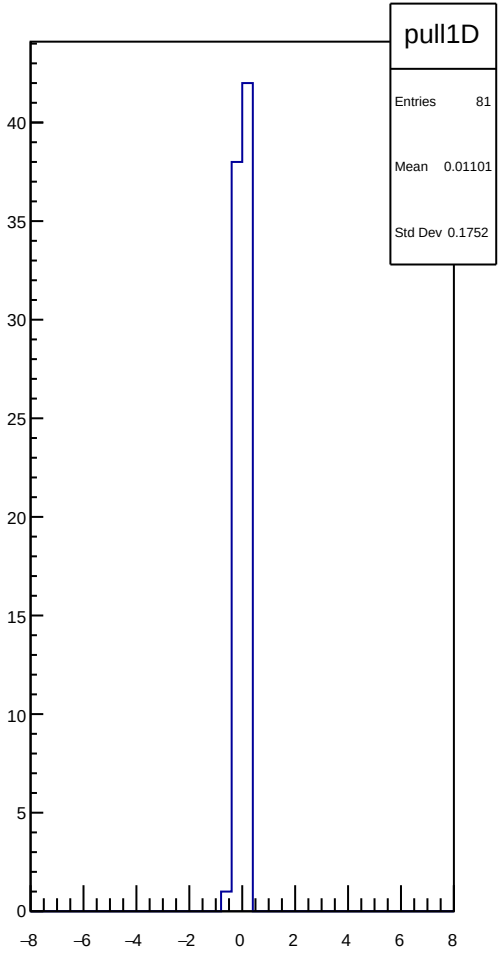

pull1D
Entries 81
Mean −0.02179
Std Dev 0.2602

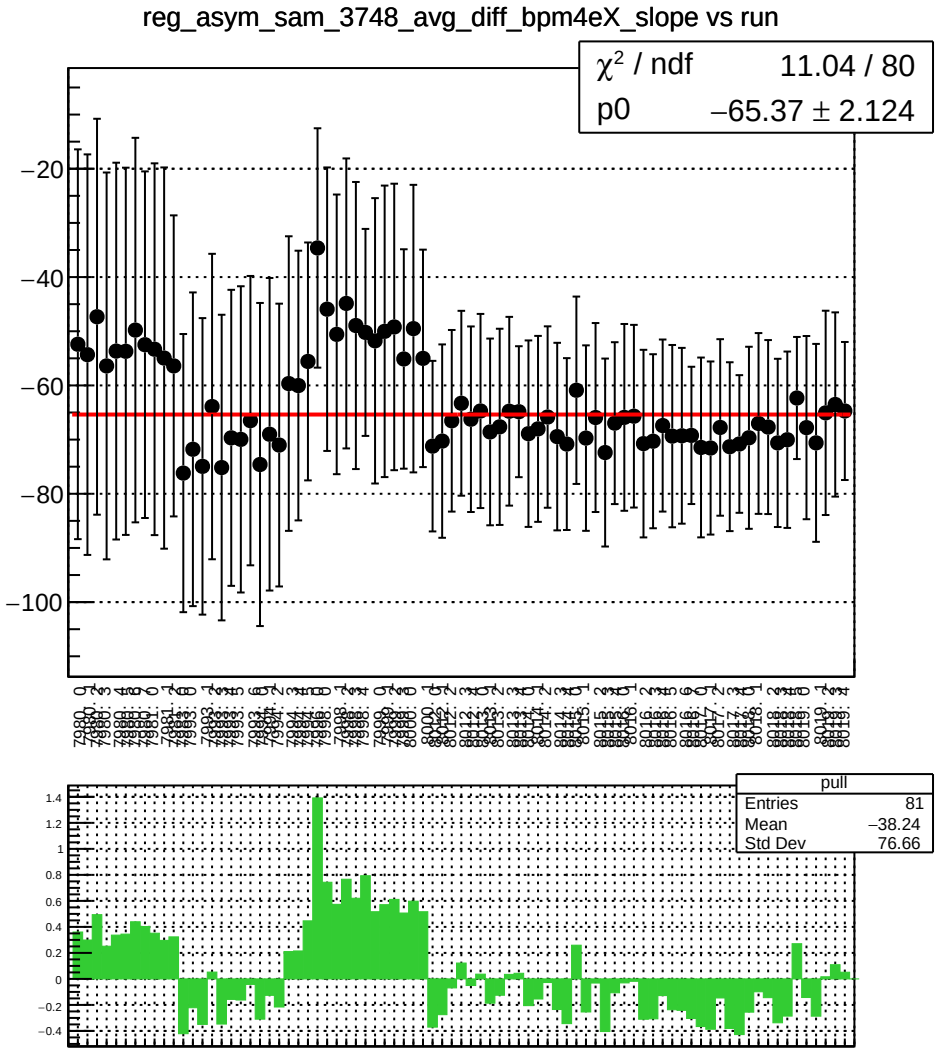

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 167.9 / 80
p0 −0.2594 ± 0.08625
pull
Entries 81
Mean 121.2
Std Dev 78.7
pull1D
Entries 81
Mean 0.3383
Std Dev 1.399

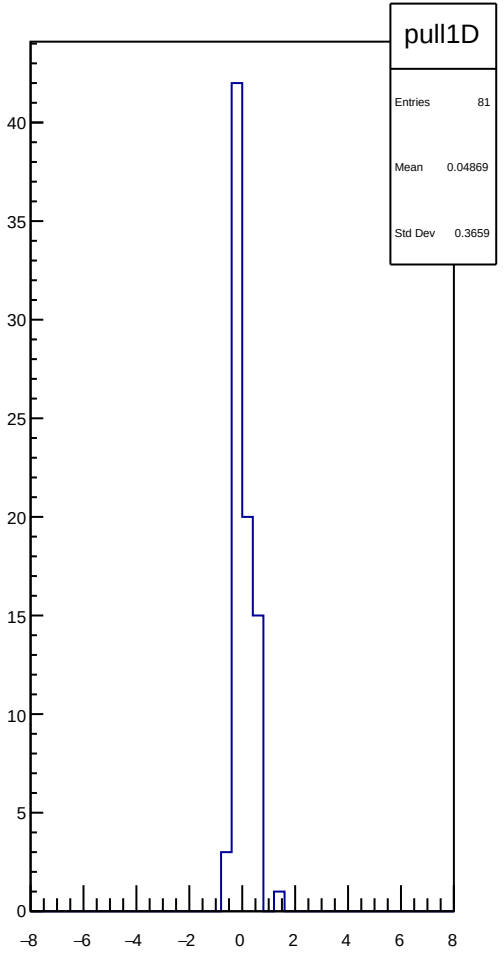

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 35.38 / 80
p0 −16.06 ± 2.066
pull
Entries 81
Mean −22.73
Std Dev 55.72

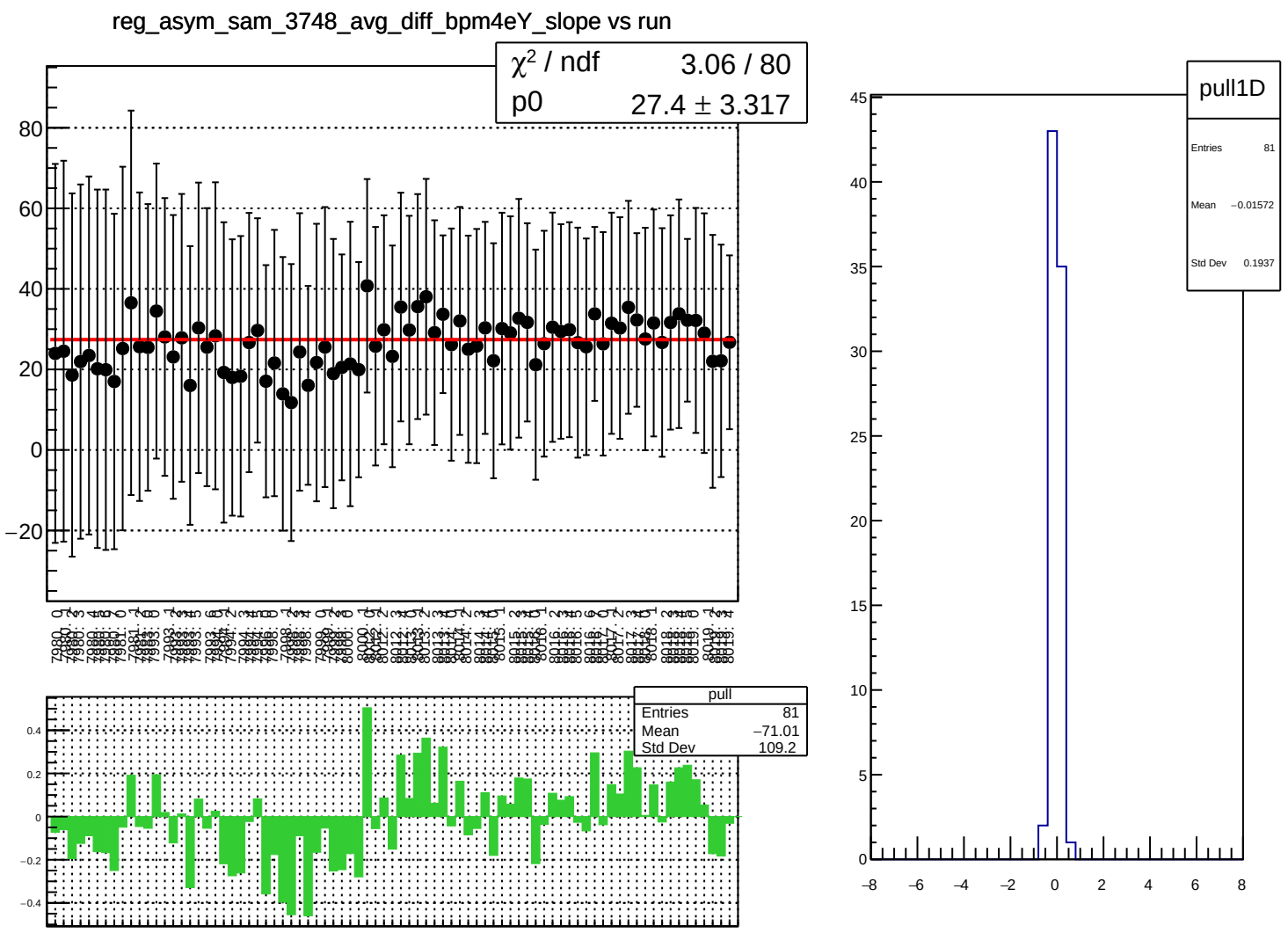

pull1D
Entries 81
Mean −0.171
Std Dev 0.6384

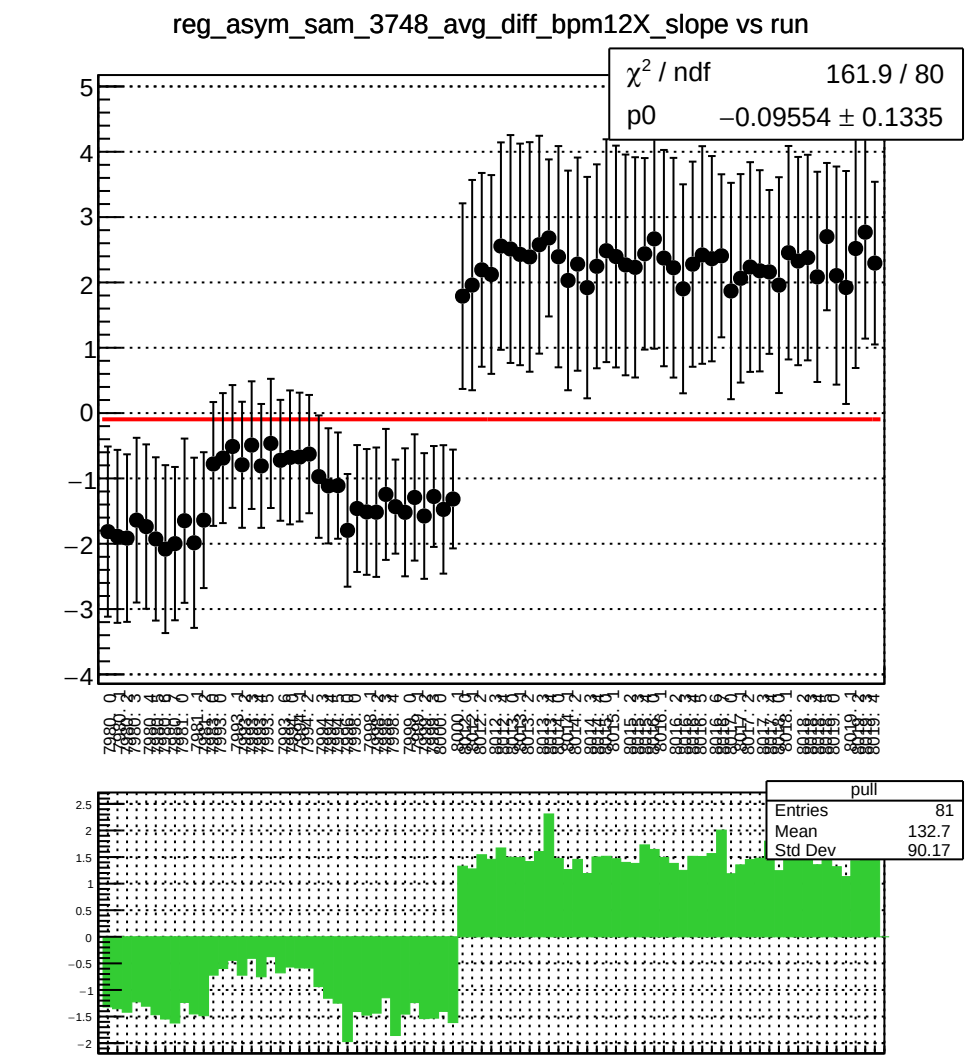

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.496 / 80
p0 30.52 ± 3.063
pull
Entries 81
Mean −55.04
Std Dev 84.66

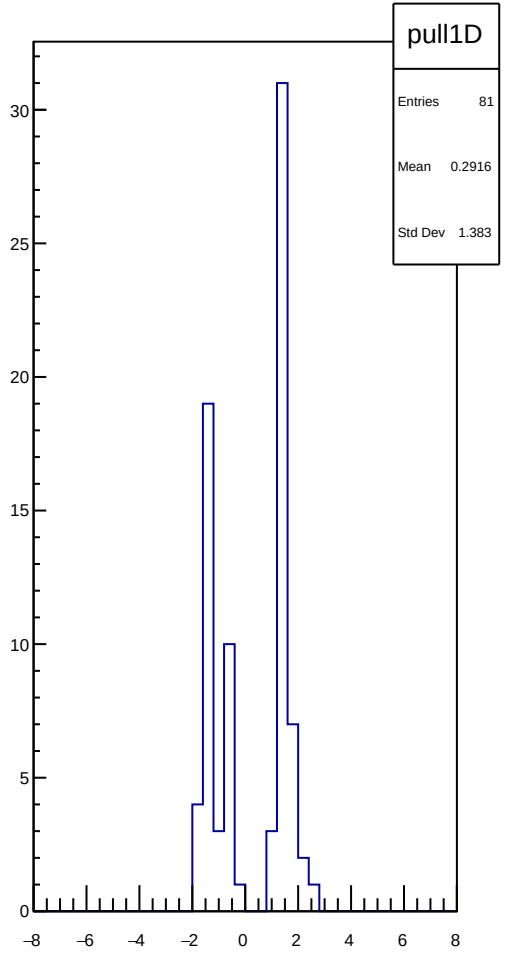

pull1D
Entries 81
Mean 0.01101
Std Dev 0.1752

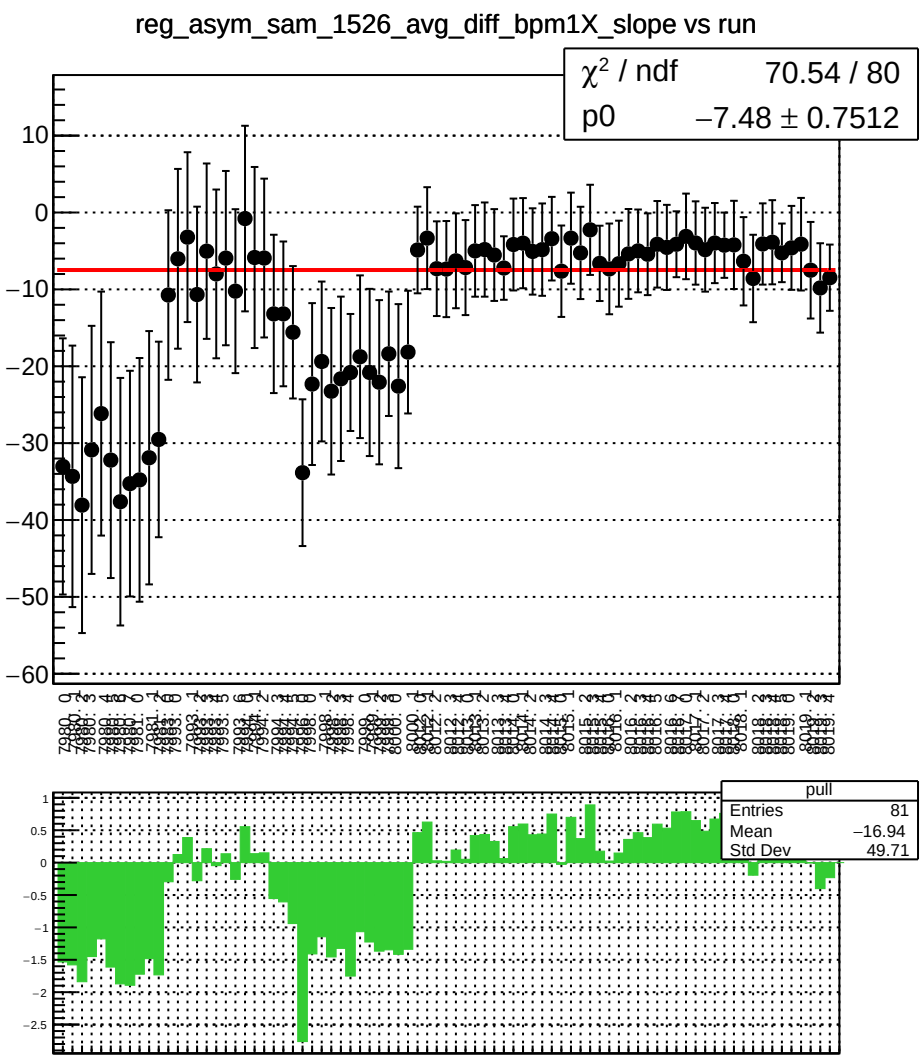

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.04 / 80
p0 −65.37 ± 2.124
−20
−40
−60
−80
−100
pull
Entries 81
Mean −38.24
Std Dev 76.66
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

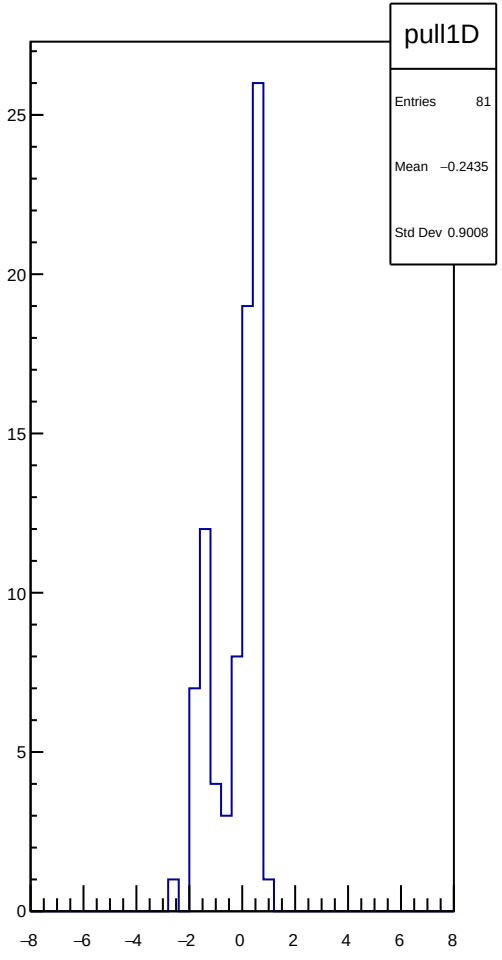

pull1D
Entries 81
Mean 0.04869
Std Dev 0.3659
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

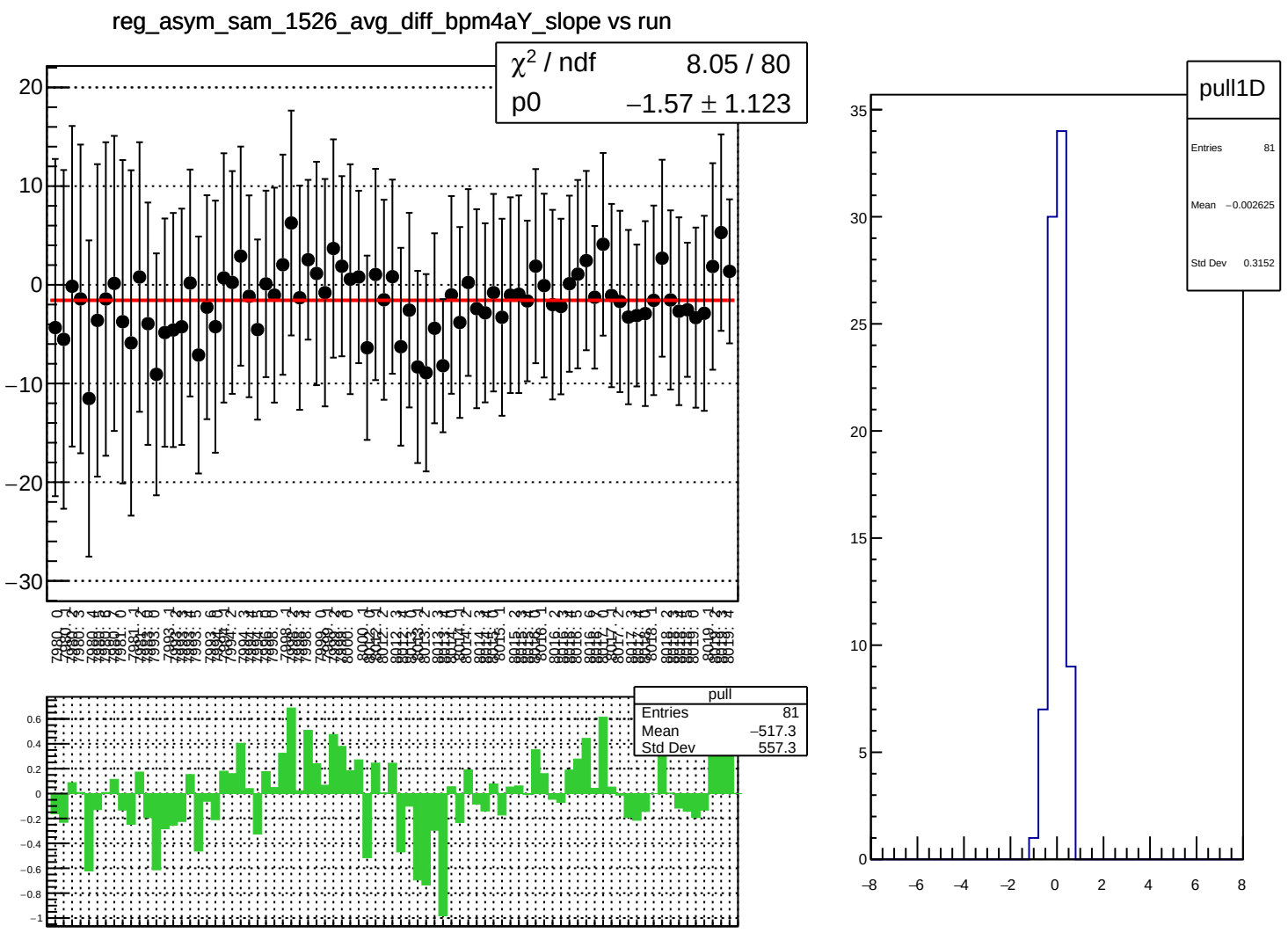

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.06 / 80
p0 27.4 ± 3.317
pull
Entries 81
Mean −71.01
Std Dev 109.2
pull1D
Entries 81
Mean −0.01572
Std Dev 0.1937

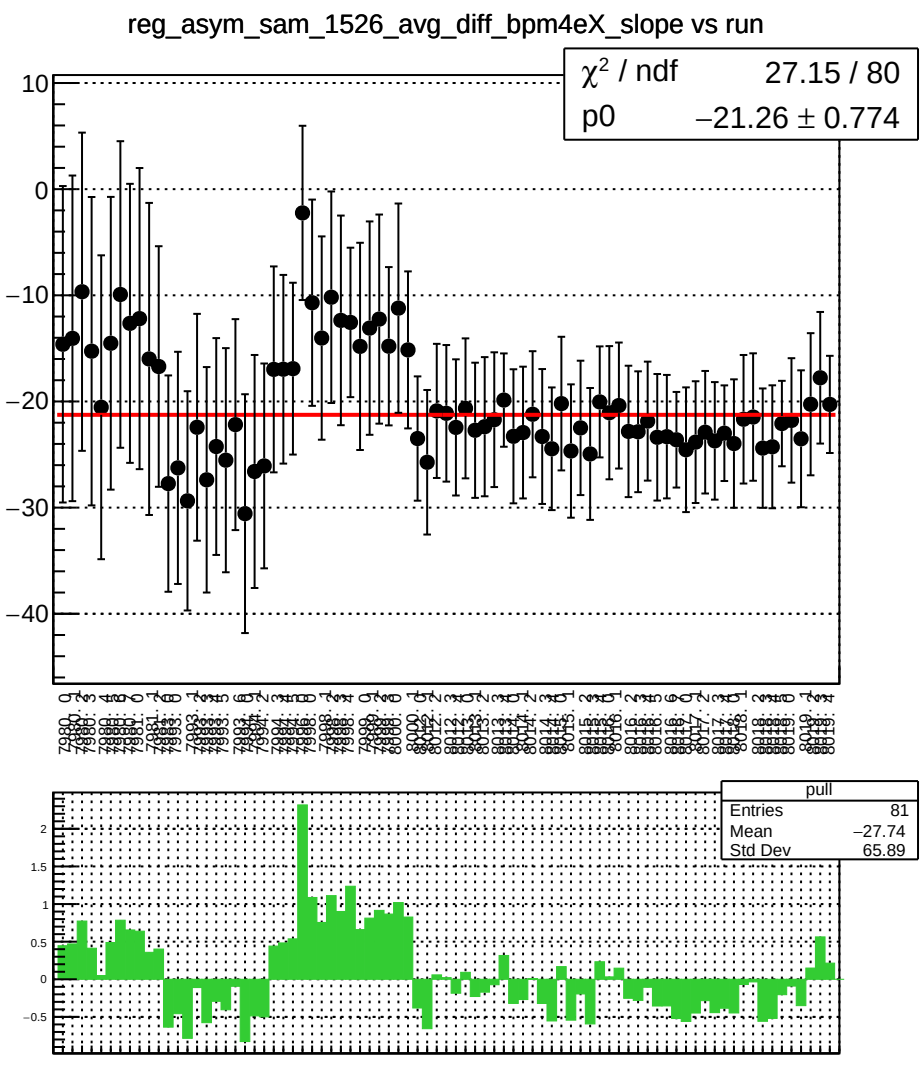

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 161.9 / 80
p0 −0.09554 ± 0.1335
pull
Entries 81
Mean 132.7
Std Dev 90.17

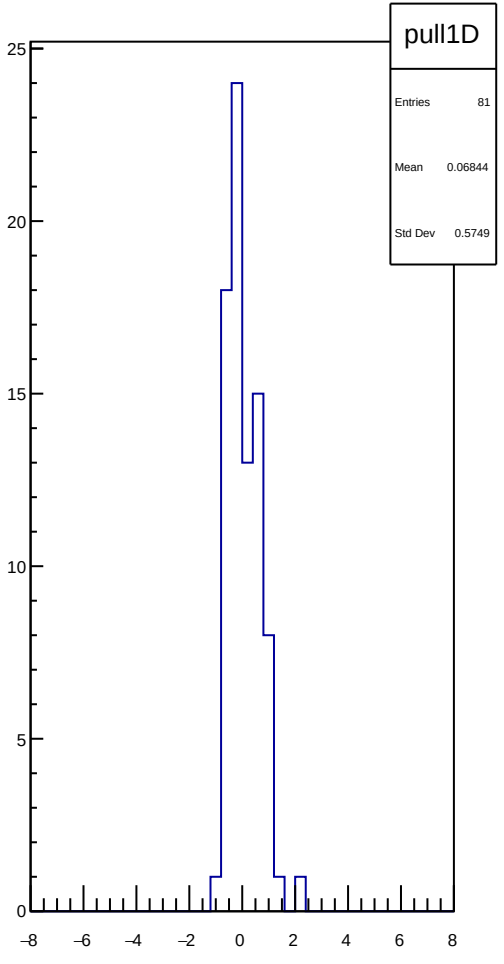

pull1D
Entries 81
Mean 0.2916
Std Dev 1.383

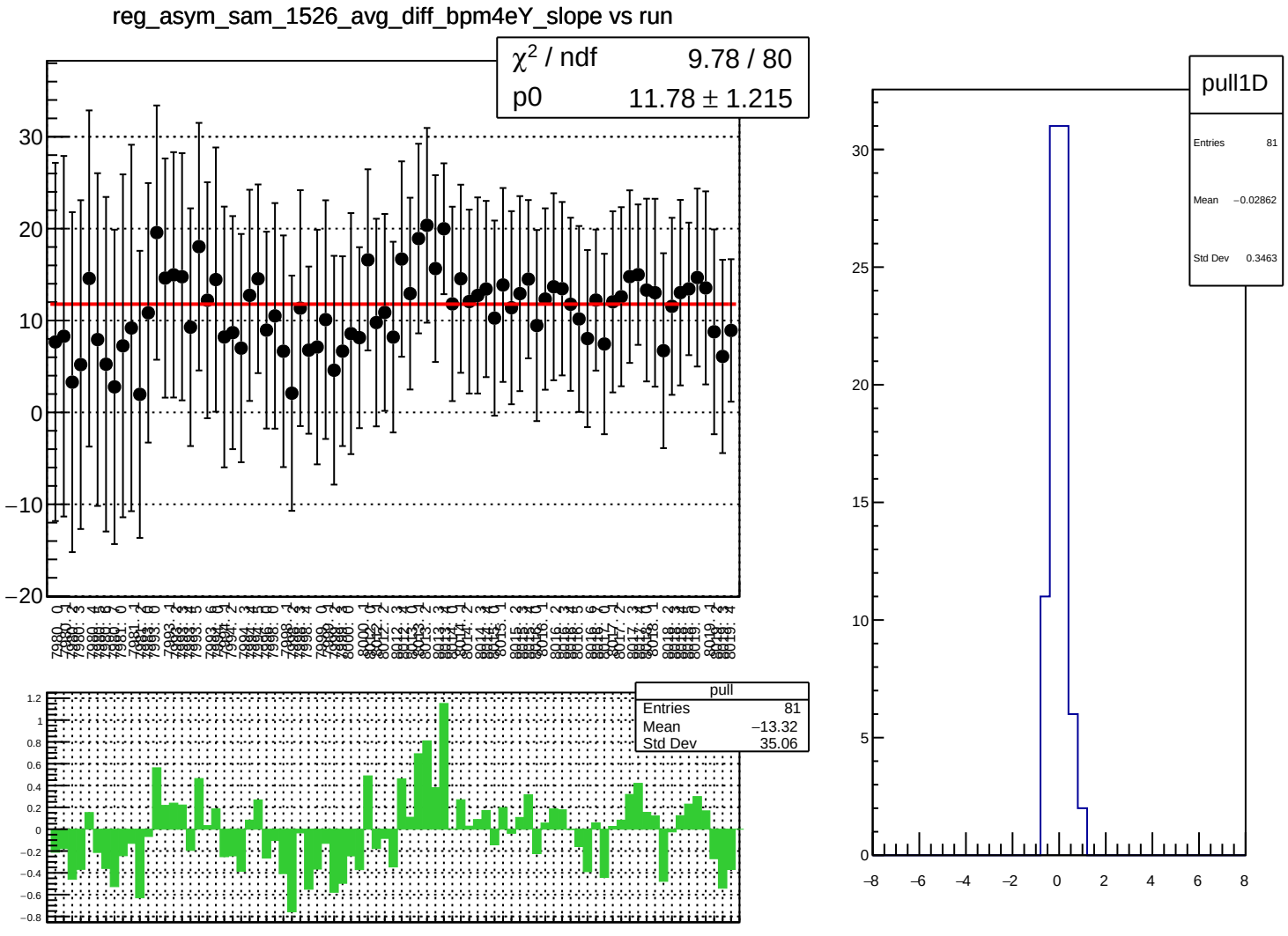

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 70.54 / 80
p0 −7.48 ± 0.7512
pull
Entries 81
Mean −16.94
Std Dev 49.71

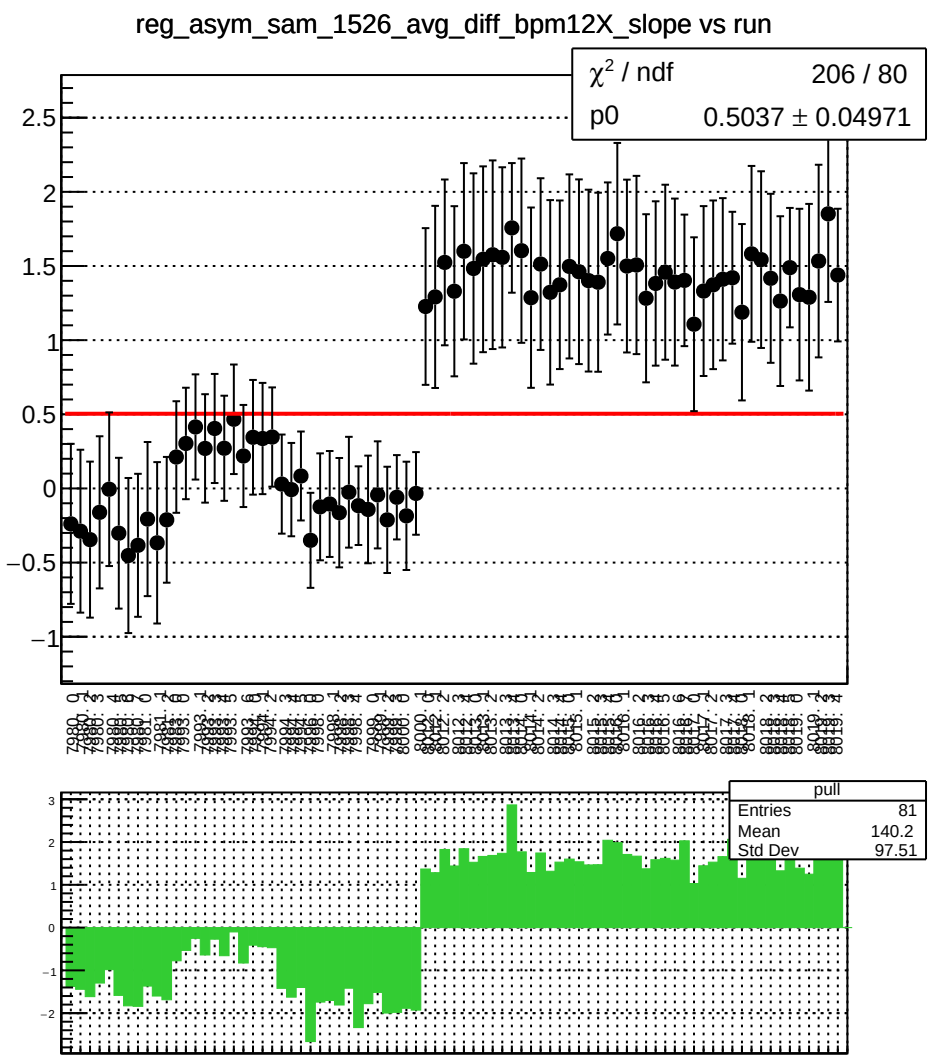

pull1D
Entries 81
Mean −0.2435
Std Dev 0.9008

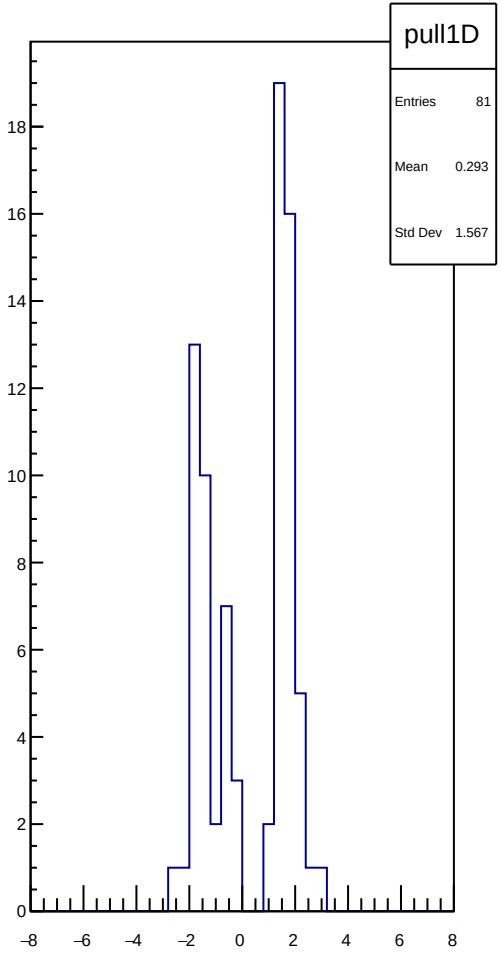

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.05 / 80
p0 −1.57 ± 1.123
pull
Entries 81
Mean −517.3
Std Dev 557.3
pull1D
Entries 81
Mean −0.002625
Std Dev 0.3152

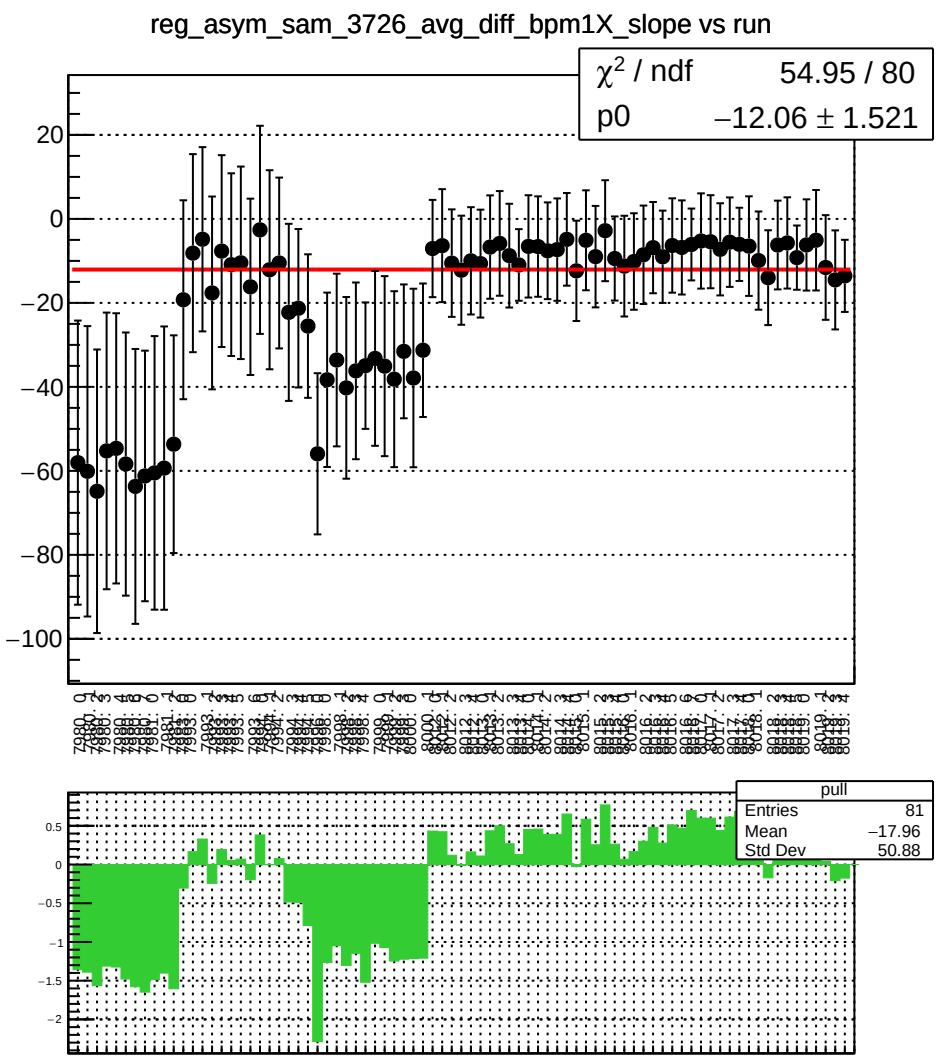

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.15 / 80
p0 −21.26 ± 0.774
pull
Entries 81
Mean −27.74
Std Dev 65.89

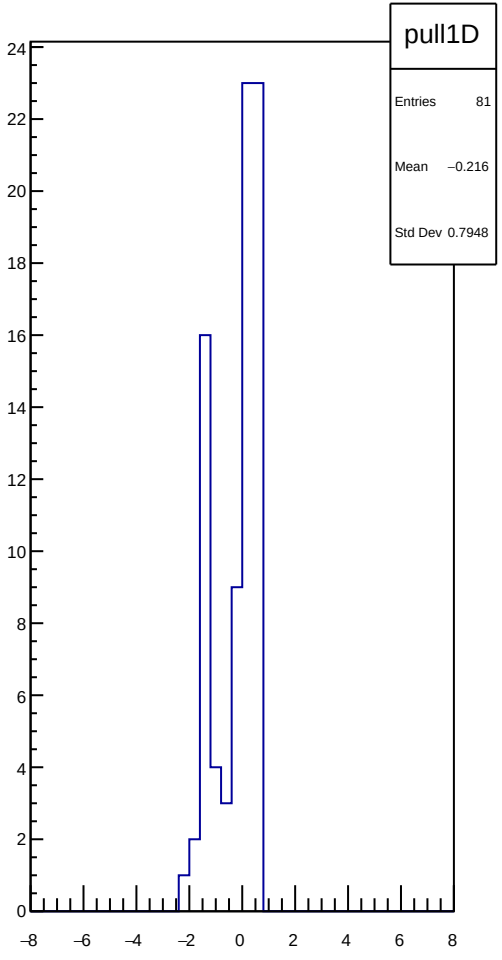

pull1D
Entries 81
Mean 0.06844
Std Dev 0.5749

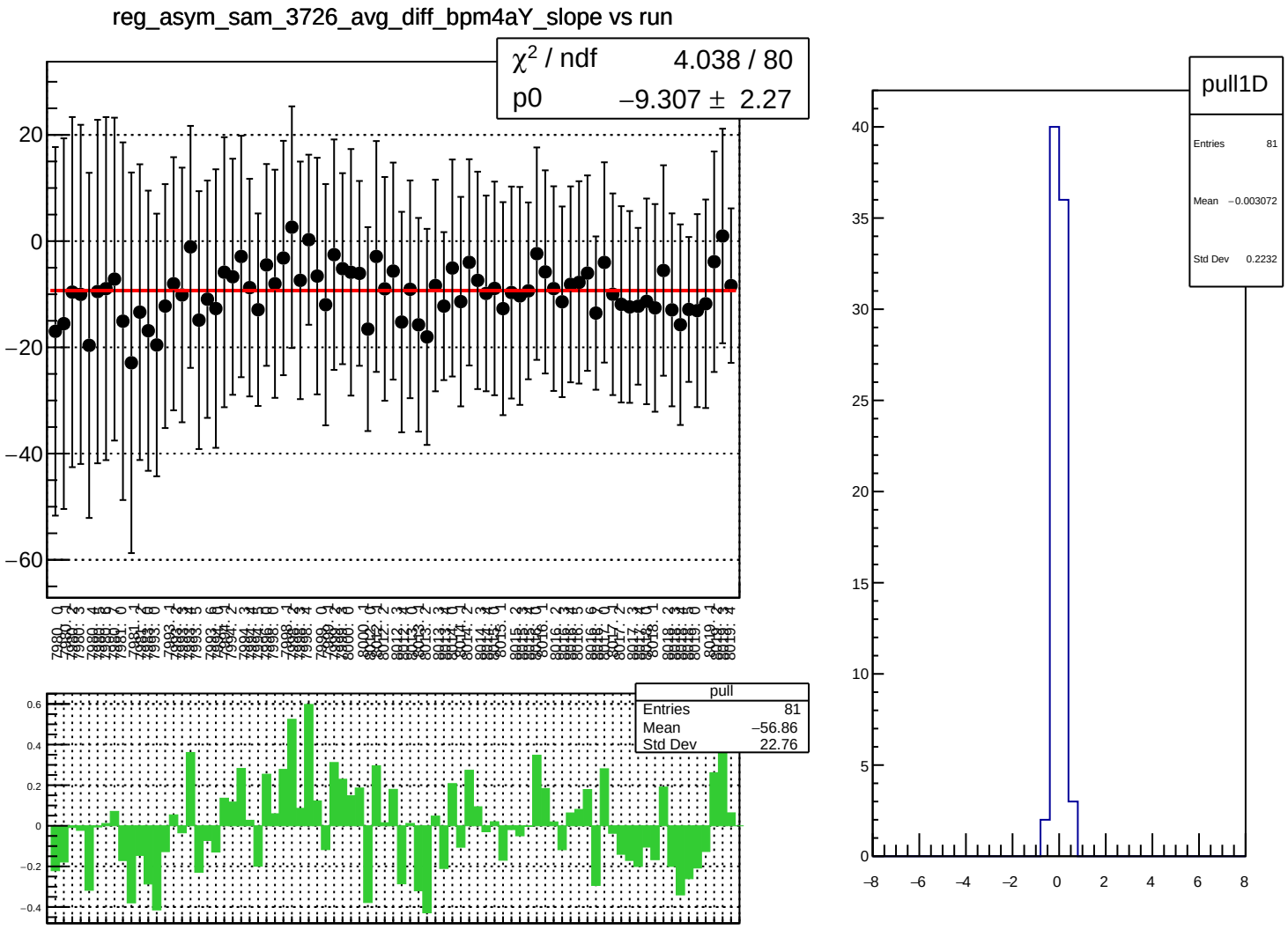

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.78 / 80
p0 11.78 ± 1.215
pull
Entries 81
Mean −13.32
Std Dev 35.06
pull1D
Entries 81
Mean −0.02862
Std Dev 0.3463

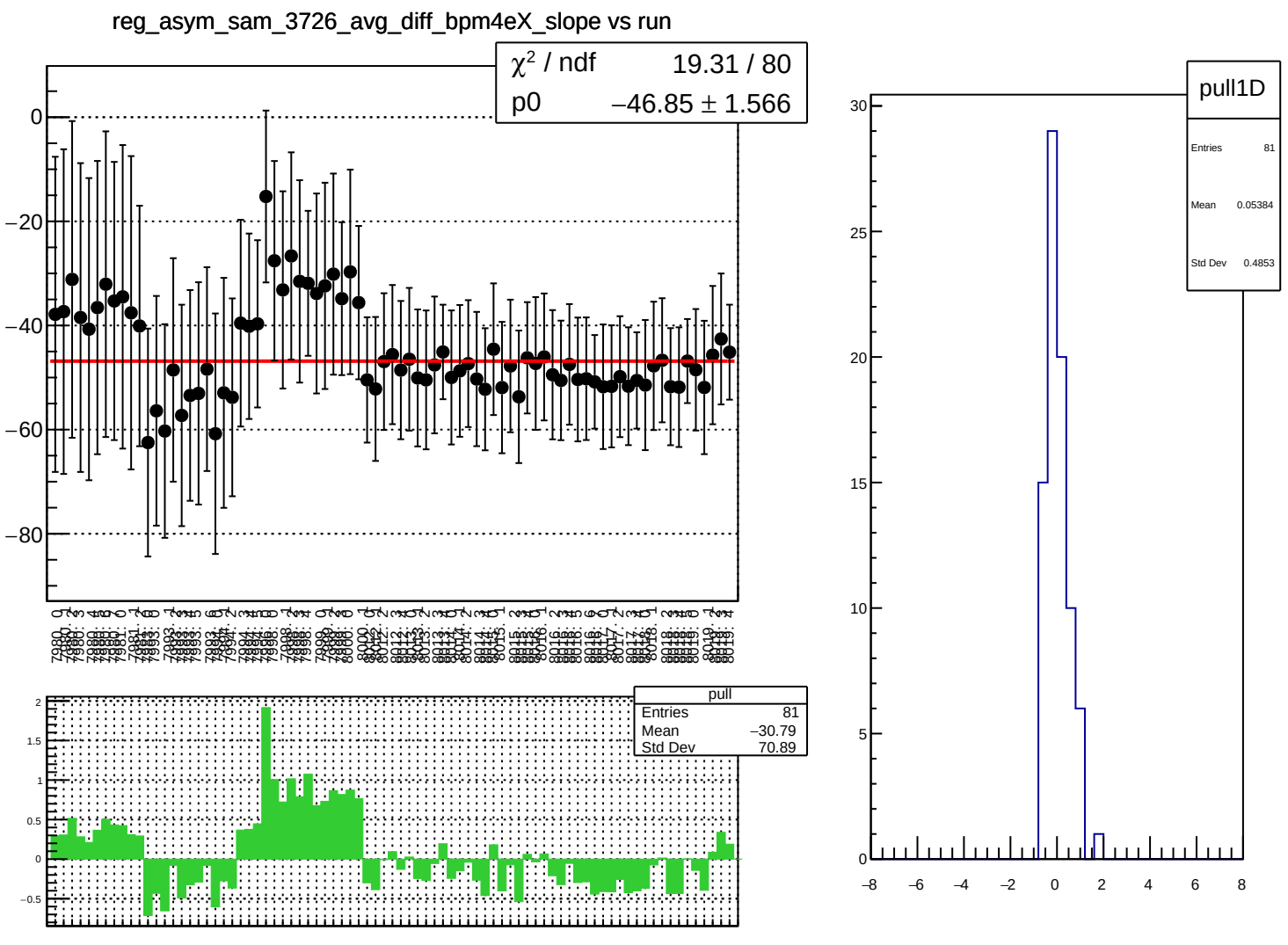

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 206 / 80
p0 0.5037 ± 0.04971
pull
Entries 81
Mean 140.2
Std Dev 97.51

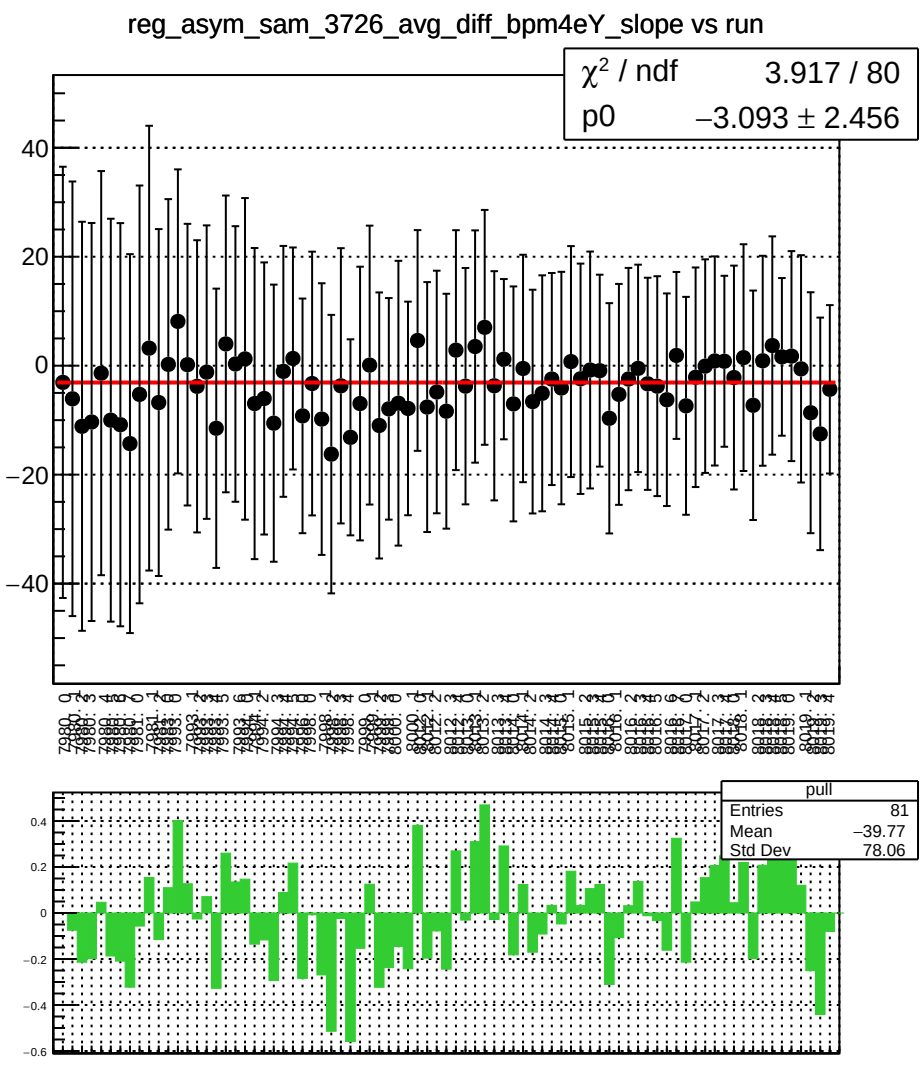

pull1D
Entries 81
Mean 0.293
Std Dev 1.567

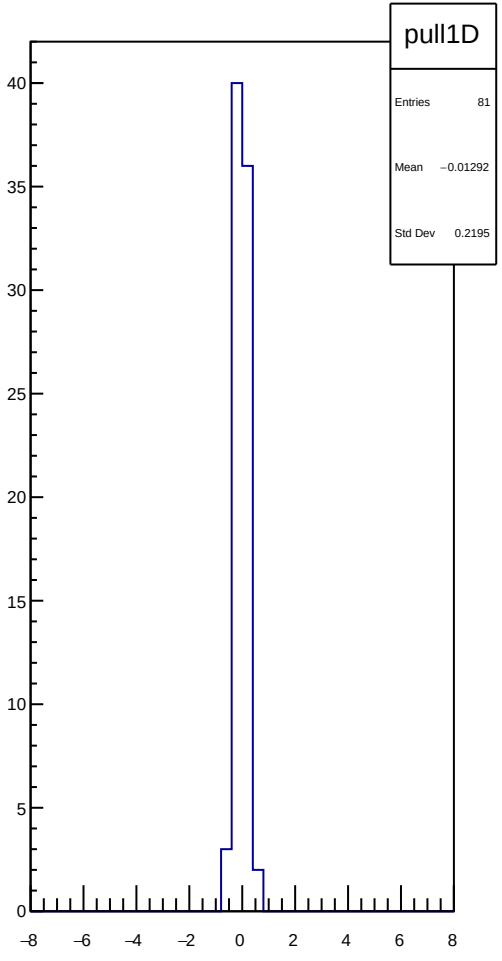

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 54.95 / 80
p0 −12.06 ± 1.521
pull
Entries 81
Mean −17.96
Std Dev 50.88

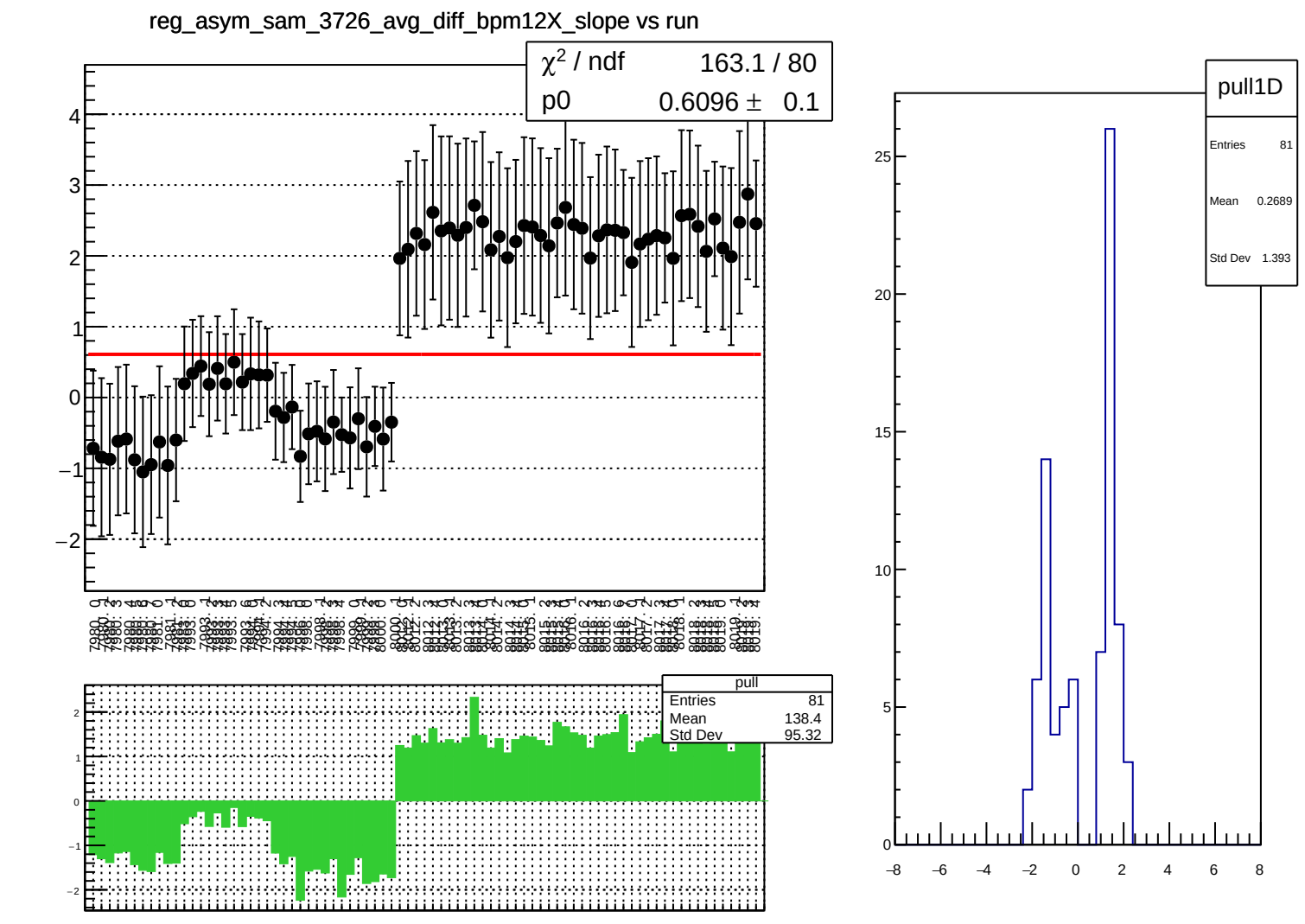

pull1D
Entries 81
Mean −0.216
Std Dev 0.7948

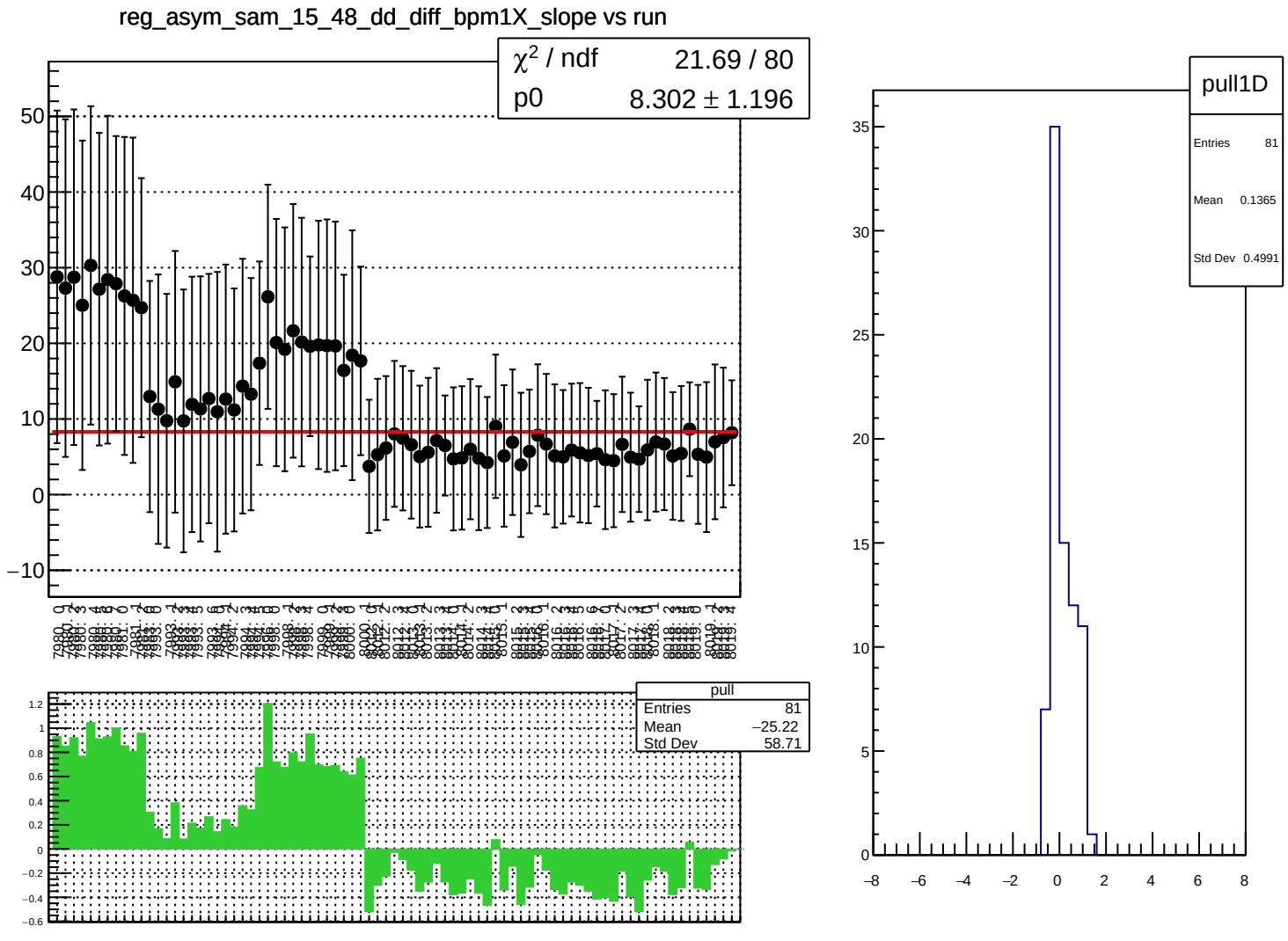

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.038 / 80
p0 −9.307 ± 2.27
pull
Entries 81
Mean −56.86
Std Dev 22.76
pull1D
Entries 81
Mean −0.003072
Std Dev 0.2232

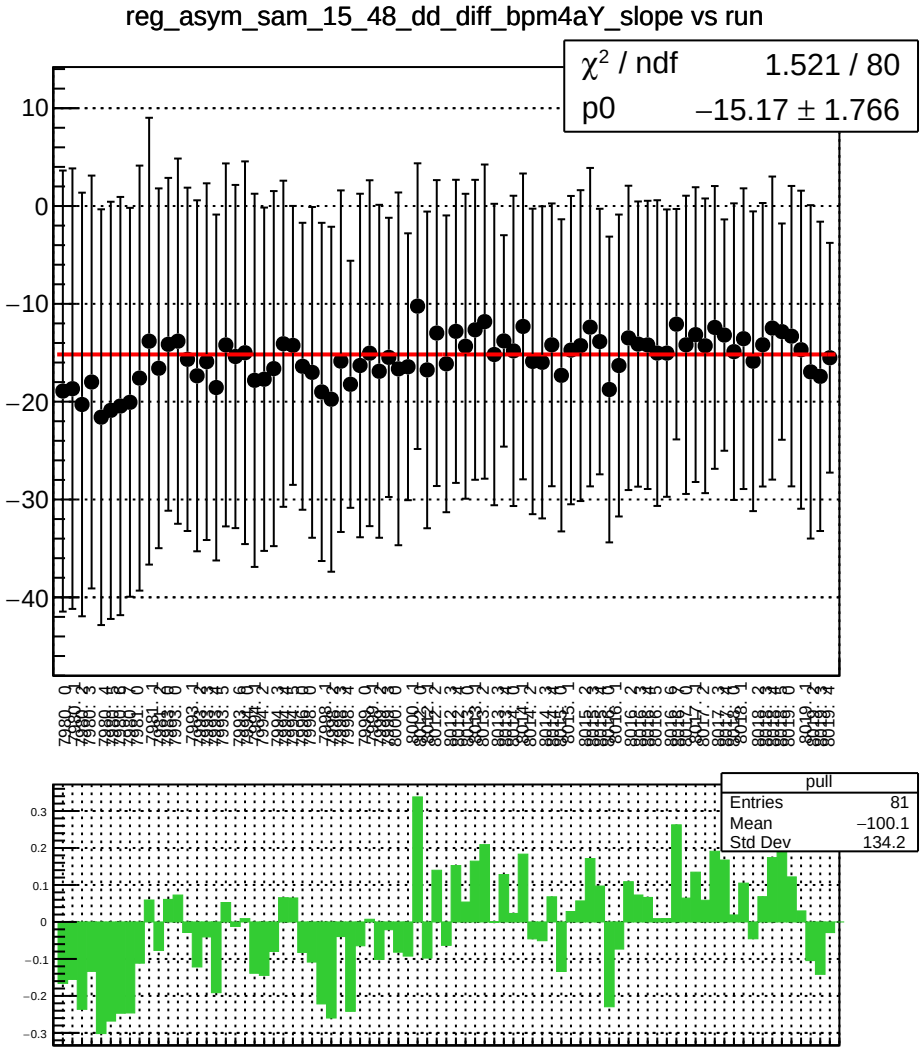

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.31 / 80
p0 −46.85 ± 1.566
pull
Entries 81
Mean −30.79
Std Dev 70.89
pull1D
Entries 81
Mean 0.05384
Std Dev 0.4853

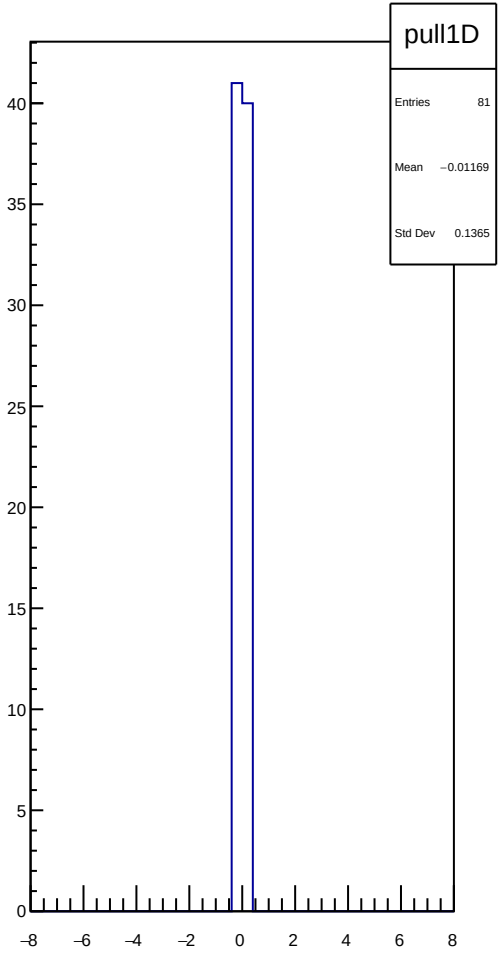

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.917 / 80
p0 −3.093 ± 2.456
pull
Entries 81
Mean −39.77
Std Dev 78.06

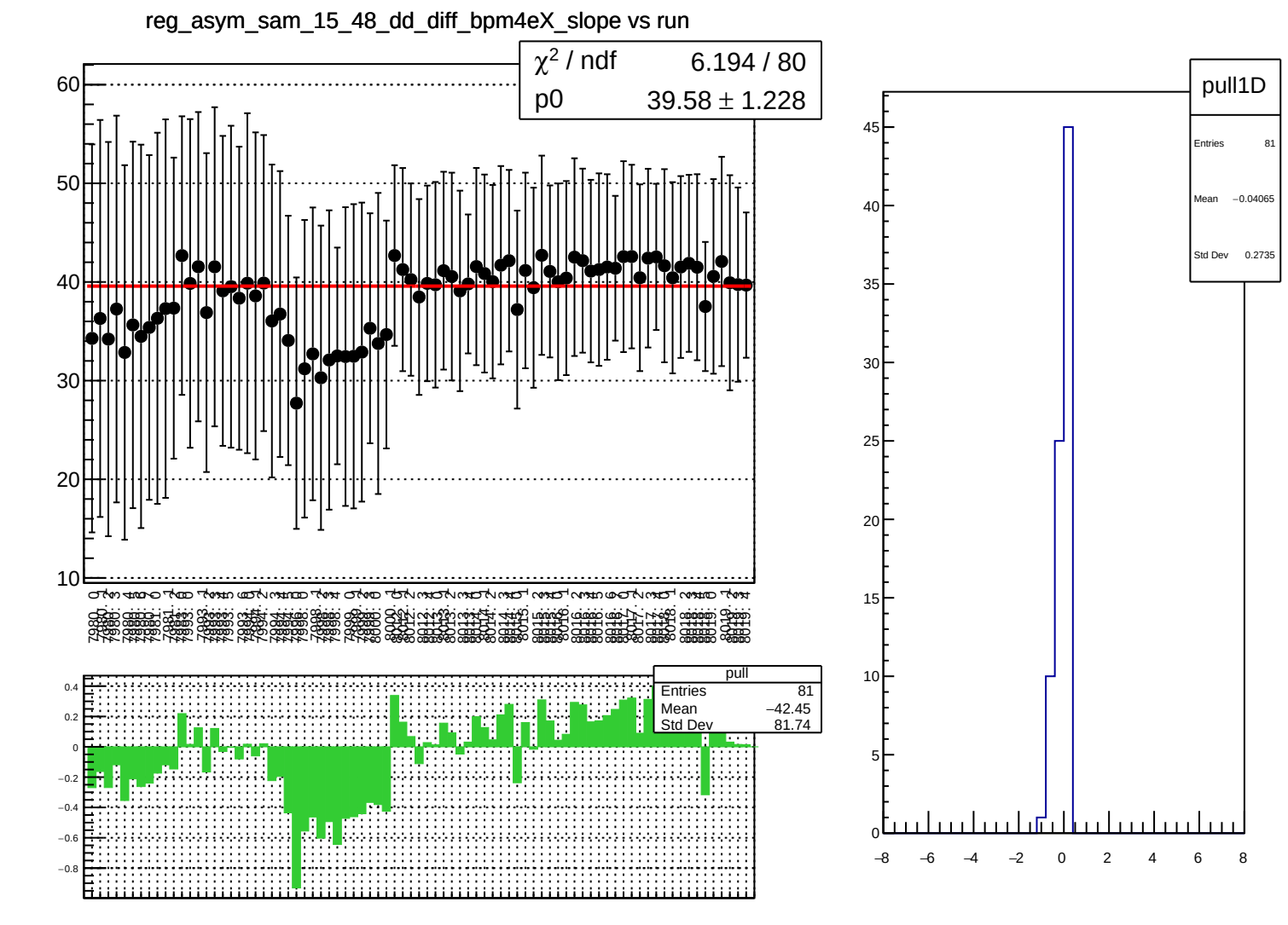

pull1D
Entries 81
Mean −0.01292
Std Dev 0.2195

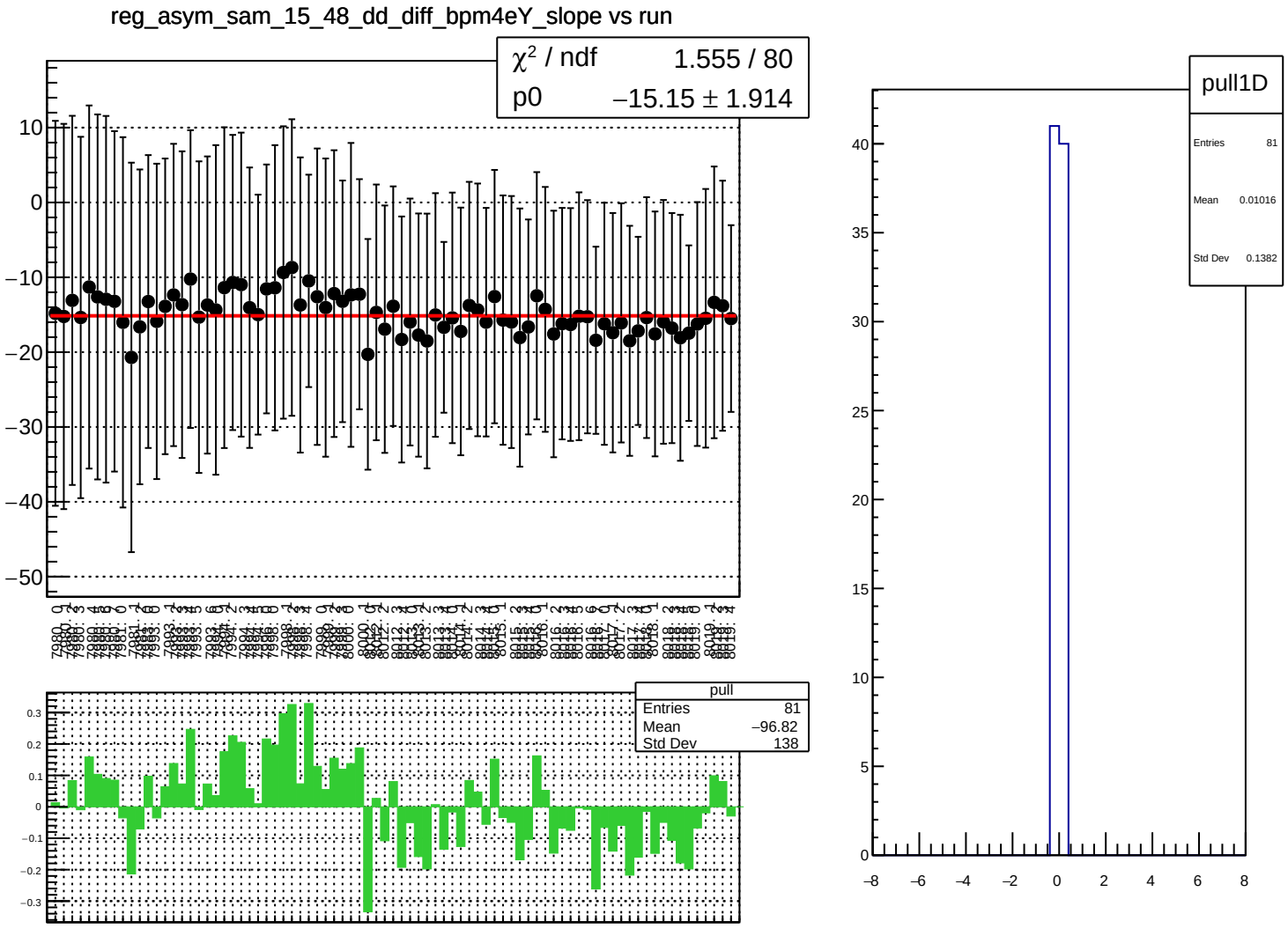

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 163.1 / 80
p0 0.6096 ± 0.1
pull
Entries 81
Mean 138.4
Std Dev 95.32
pull1D
Entries 81
Mean 0.2689
Std Dev 1.393

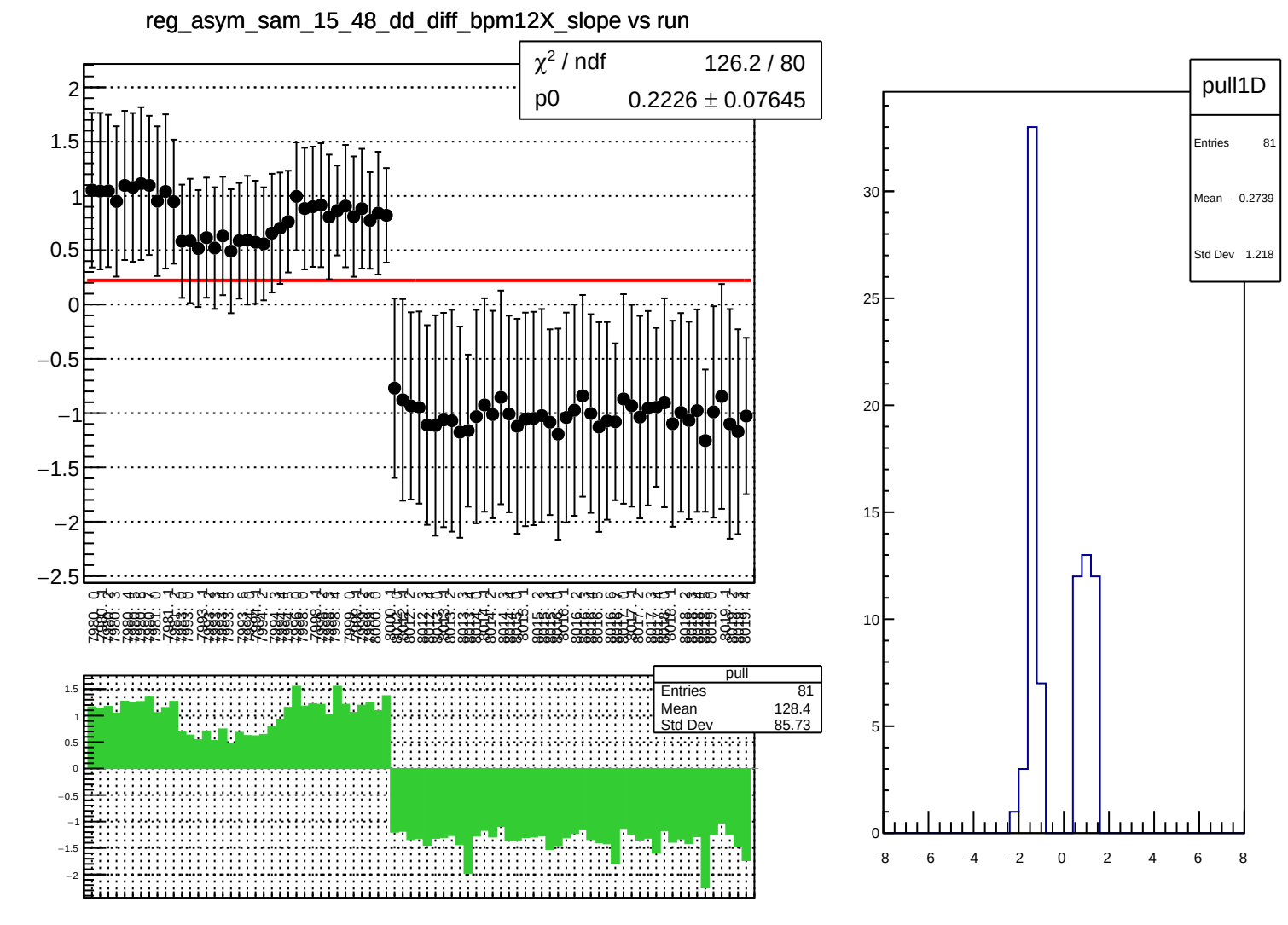

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 21.69 / 80
p0 8.302 ± 1.196
pull
Entries 81
Mean −25.22
Std Dev 58.71
pull1D
Entries 81
Mean 0.1365
Std Dev 0.4991

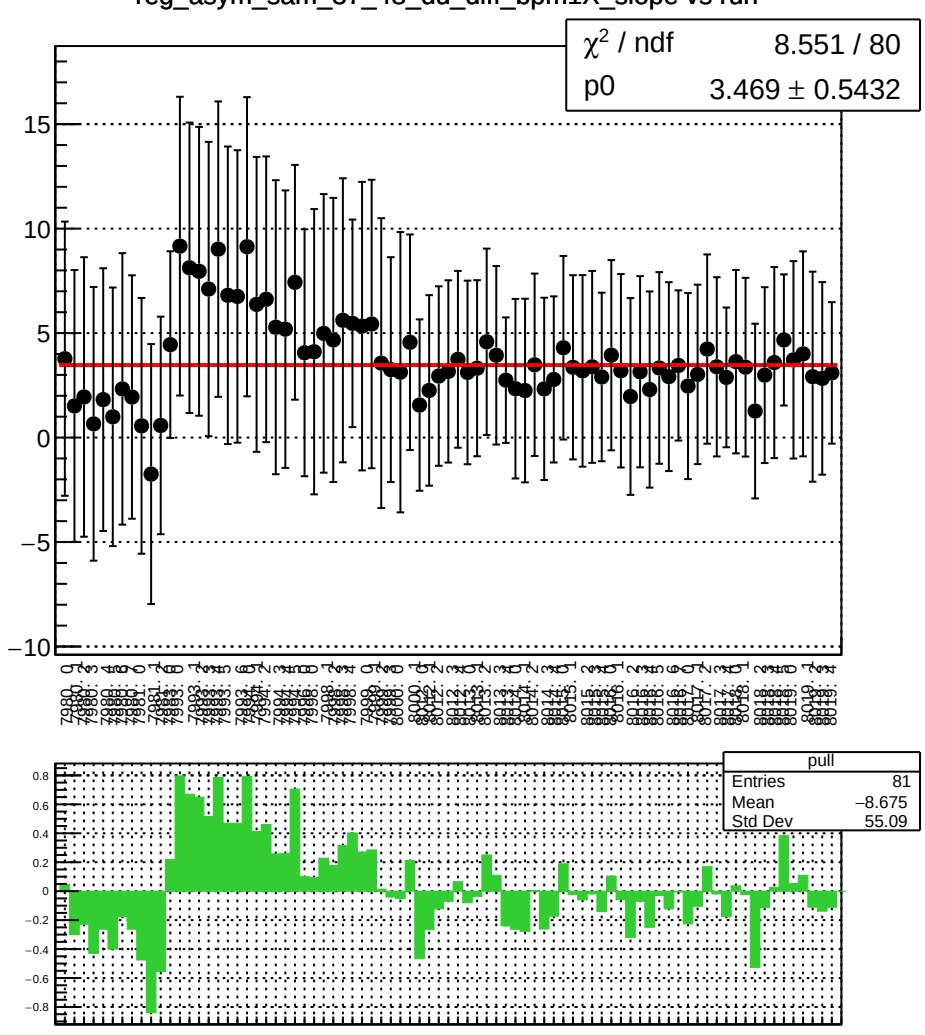

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.521 / 80
p0 −15.17 ± 1.766
pull
Entries 81
Mean −100.1
Std Dev 134.2

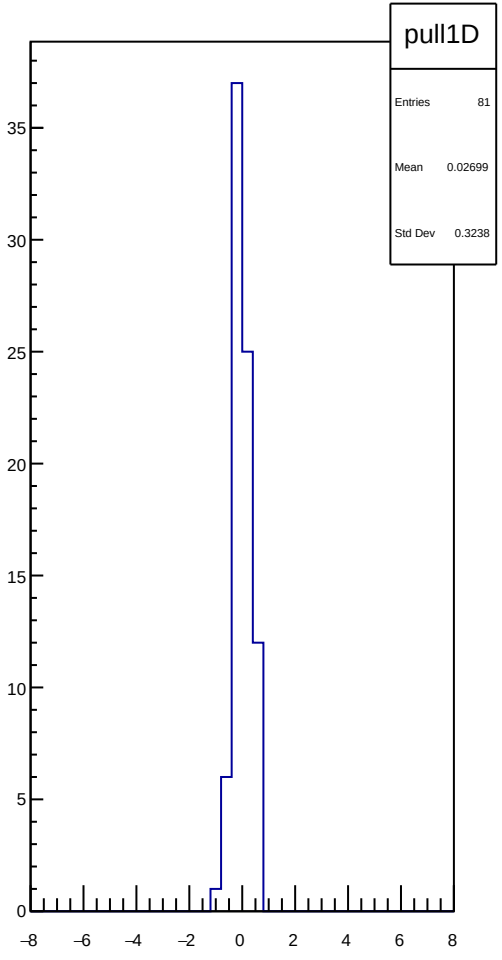

pull1D
Entries 81
Mean −0.01169
Std Dev 0.1365

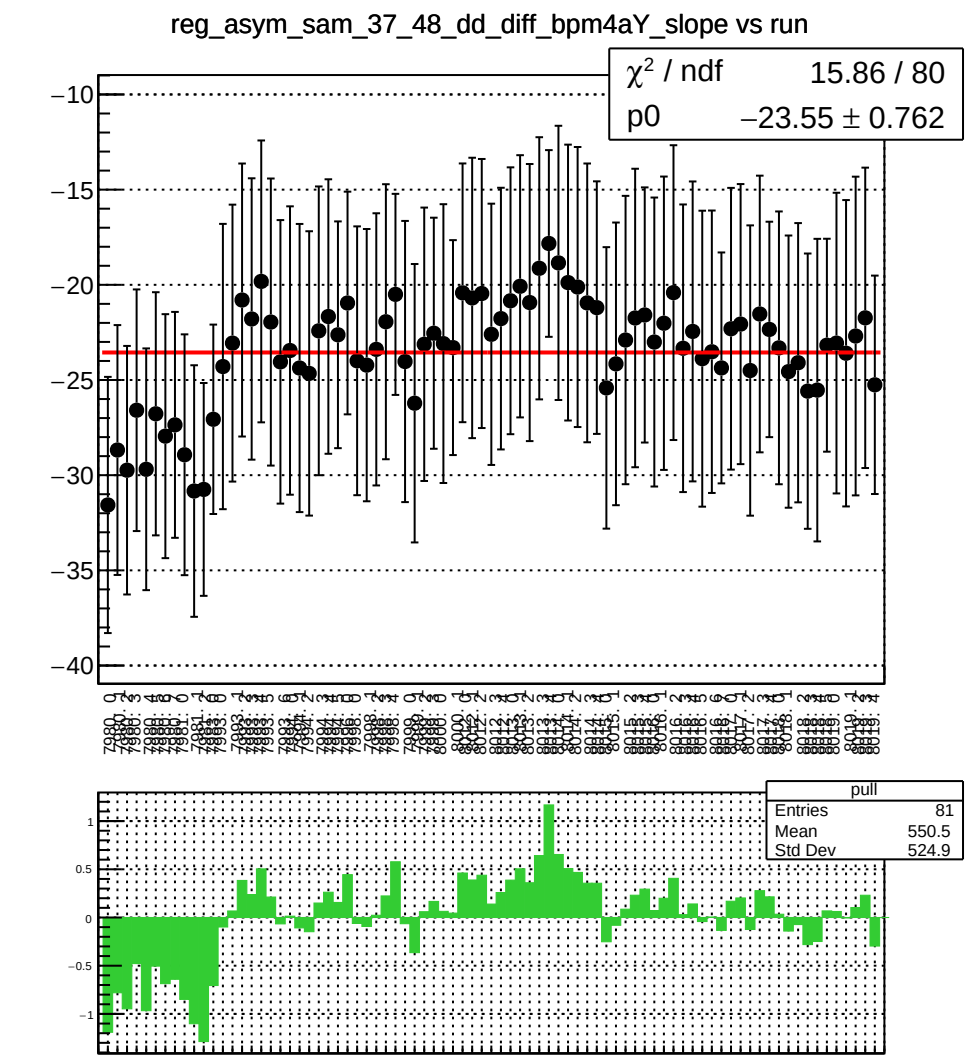

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.194 / 80
p0 39.58 ± 1.228
pull
Entries 81
Mean −42.45
Std Dev 81.74
pull1D
Entries 81
Mean −0.04065
Std Dev 0.2735

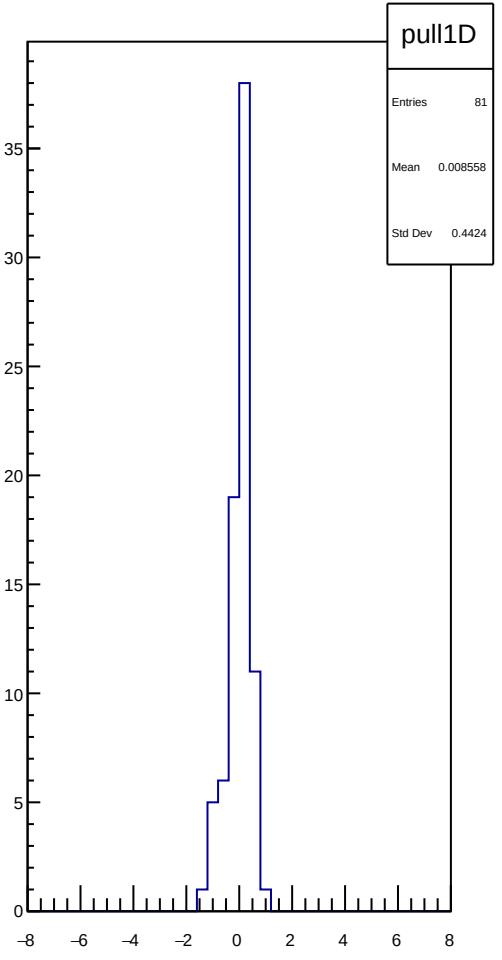

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.555 / 80
p0 −15.15 ± 1.914
pull
Entries 81
Mean −96.82
Std Dev 138
pull1D
Entries 81
Mean 0.01016
Std Dev 0.1382

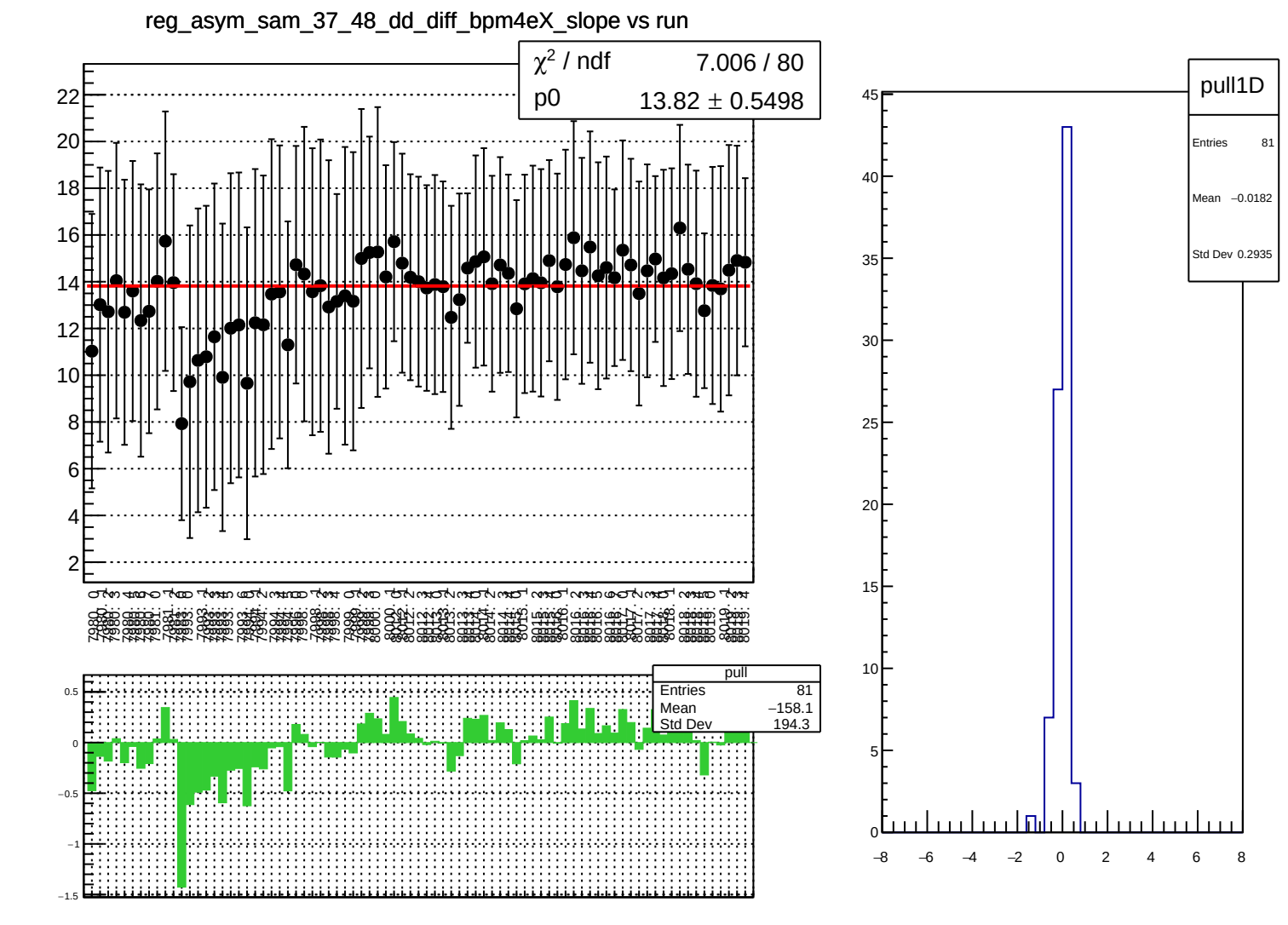

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 126.2 / 80
p0 0.2226 ± 0.07645
pull
Entries 81
Mean 128.4
Std Dev 85.73
pull1D
Entries 81
Mean −0.2739
Std Dev 1.218

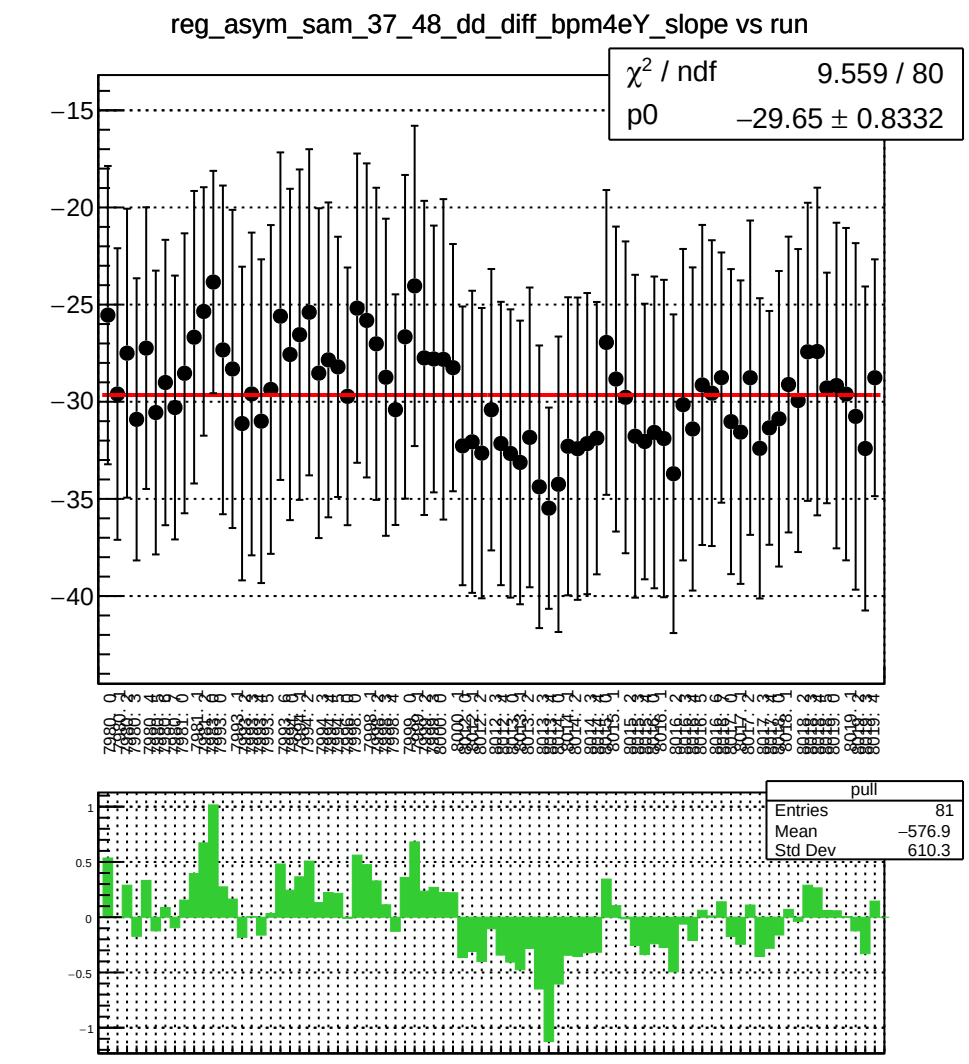

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 8.551 / 80
p0 3.469 ± 0.5432
pull
Entries 81
Mean −8.675
Std Dev 55.09

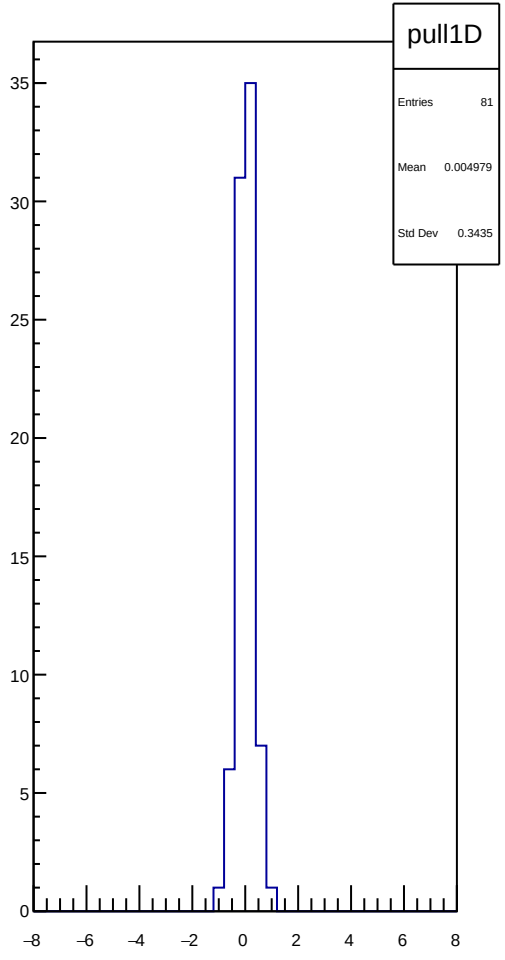

pull1D
Entries 81
Mean 0.02699
Std Dev 0.3238

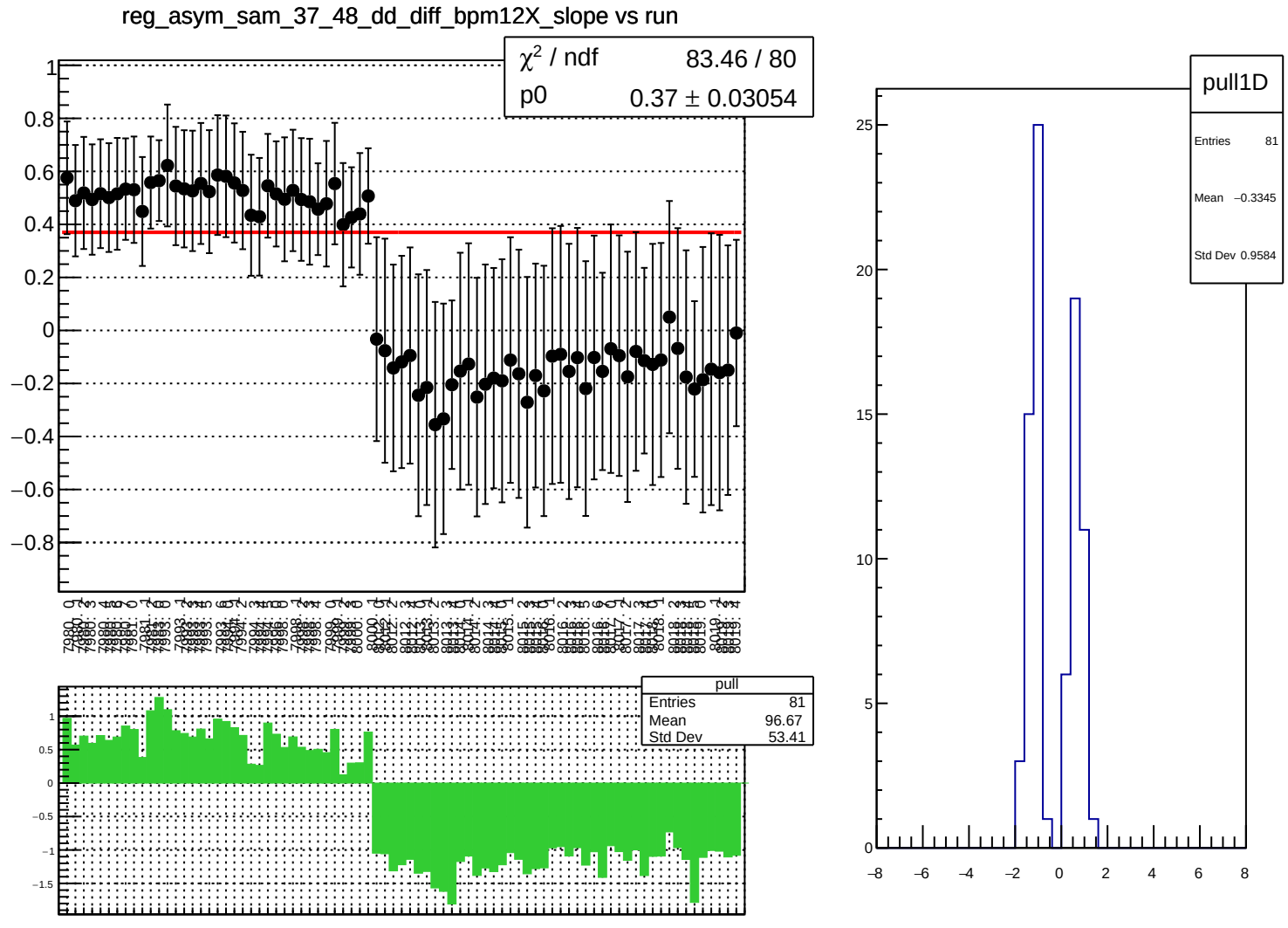

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 80
p0 −23.55 ± 0.762
pull
Entries 81
Mean 550.5
Std Dev 524.9

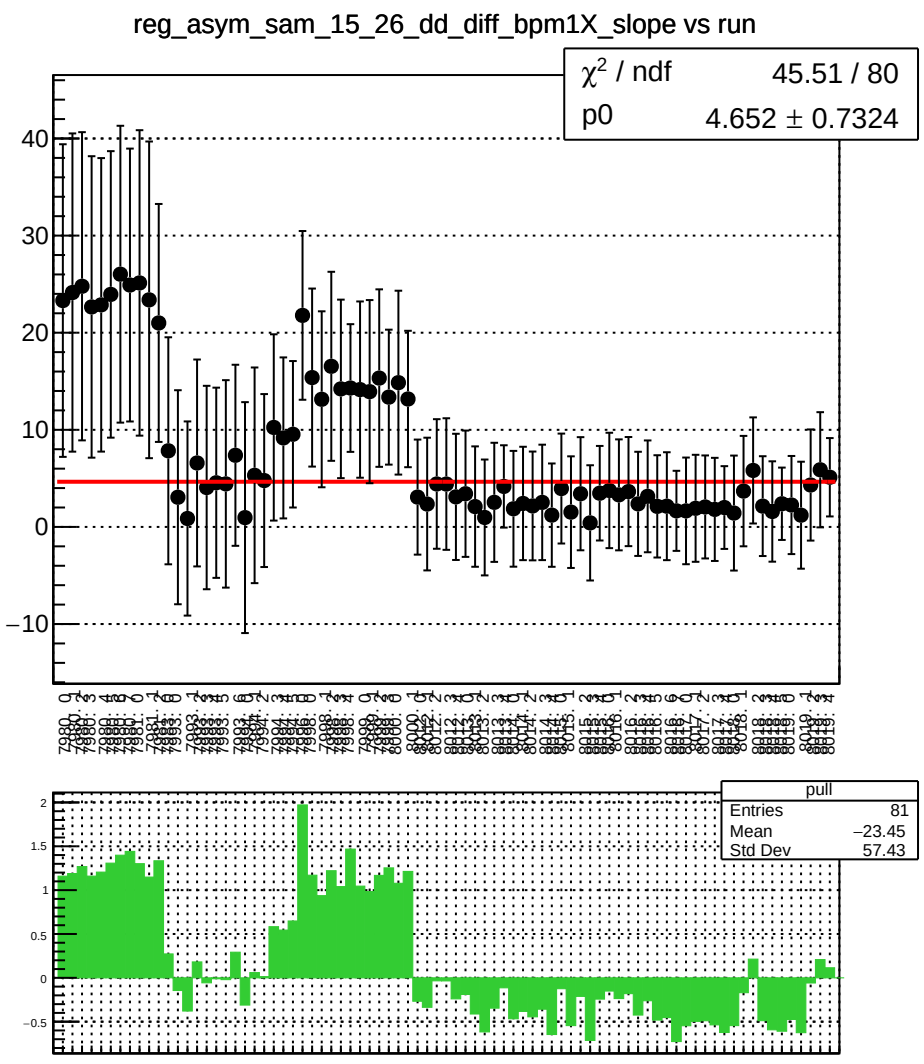

pull1D
Entries 81
Mean 0.008558
Std Dev 0.4424

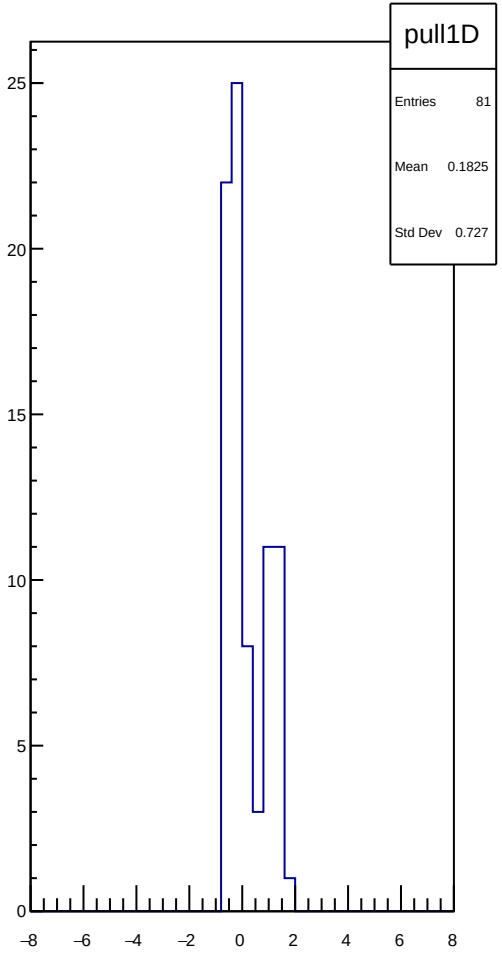

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.006 / 80
p0 13.82 ± 0.5498
pull
Entries 81
Mean −158.1
Std Dev 194.3
pull1D
Entries 81
Mean −0.0182
Std Dev 0.2935

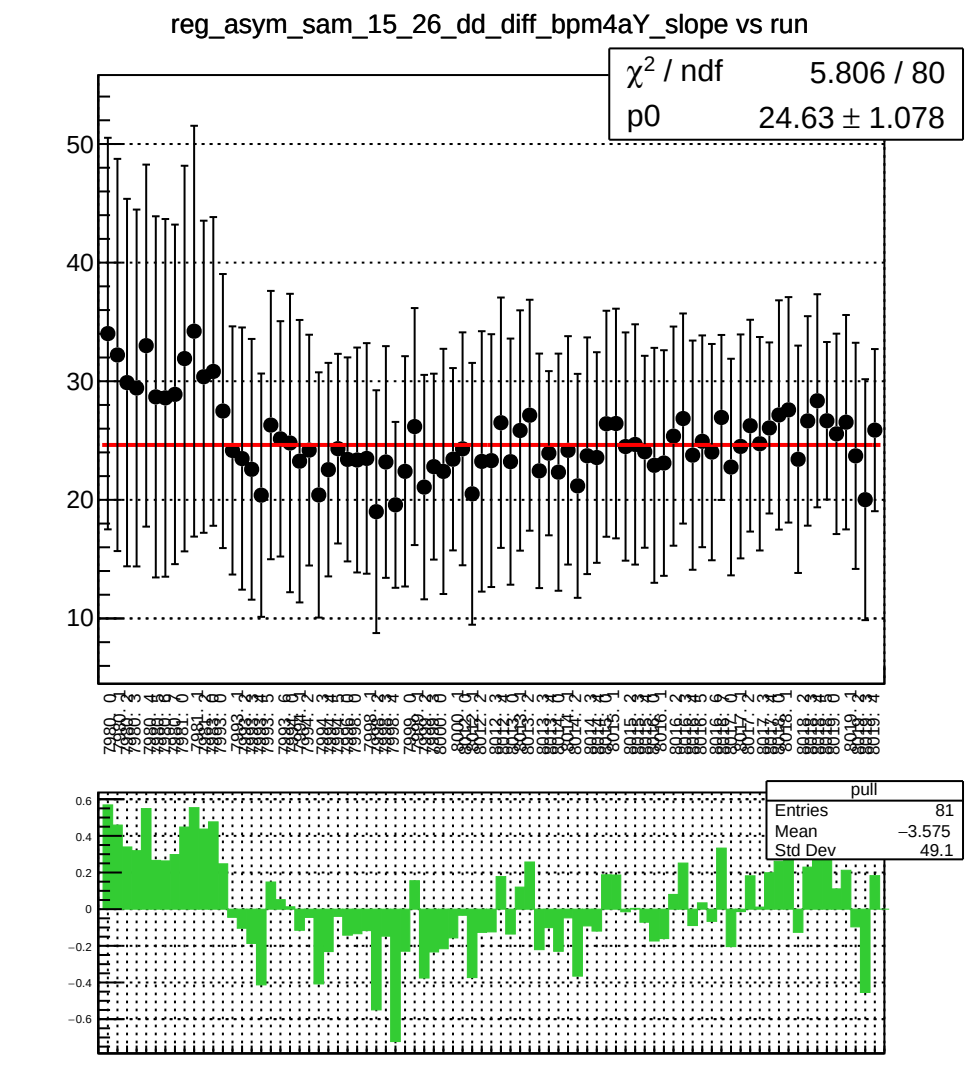

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.559 / 80
p0 −29.65 ± 0.8332
−15
−20
−25
−30
−35
−40
pull
Entries 81
Mean −576.9
Std Dev 610.3
1
0.5
0
−0.5
−1

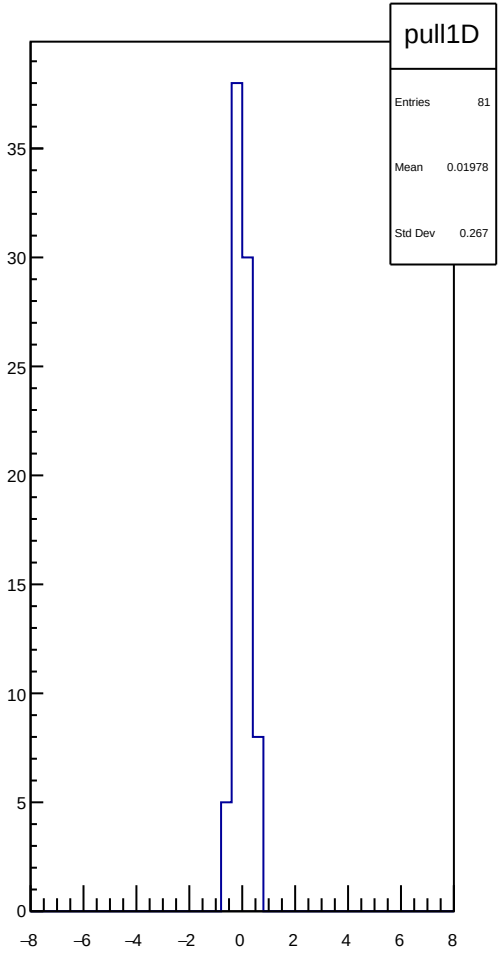

pull1D
Entries 81
Mean 0.004979
Std Dev 0.3435
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

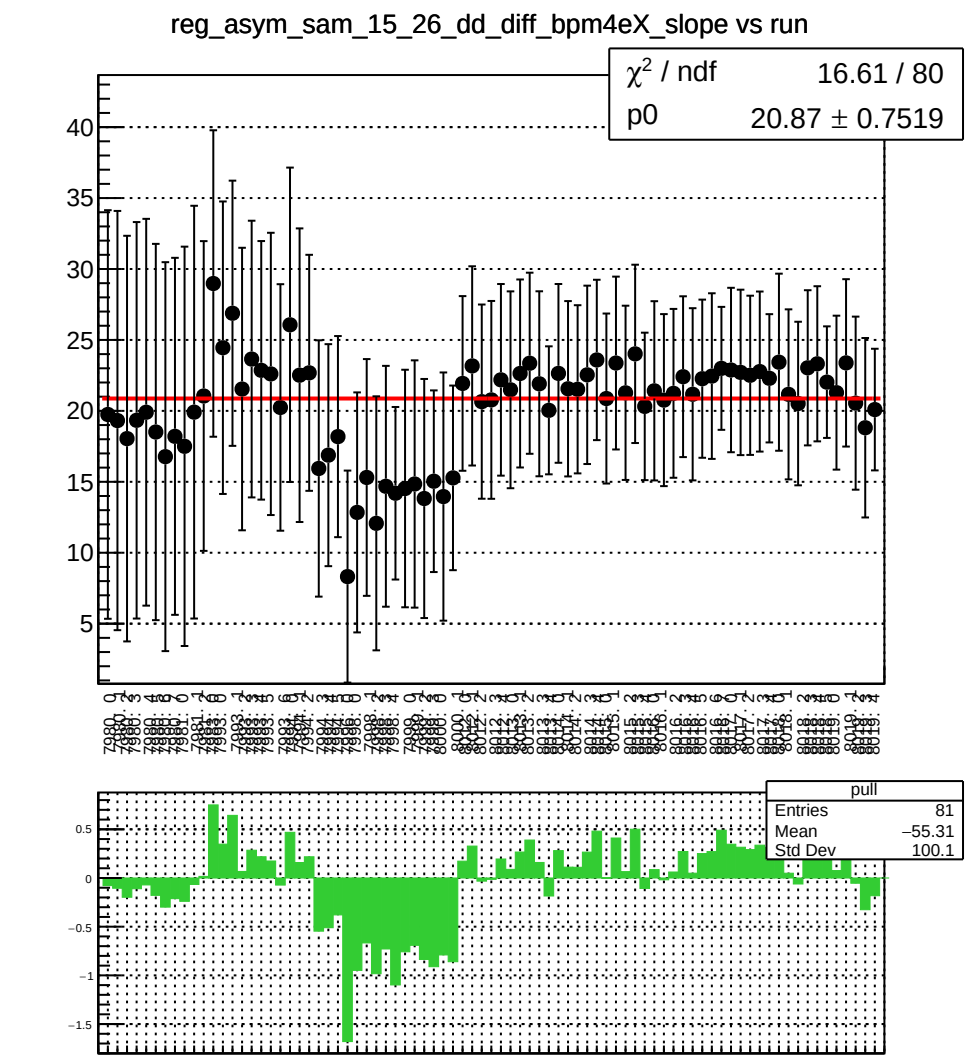

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 83.46 / 80
p0 0.37 ± 0.03054
pull
Entries 81
Mean 96.67
Std Dev 53.41
pull1D
Entries 81
Mean −0.3345
Std Dev 0.9584

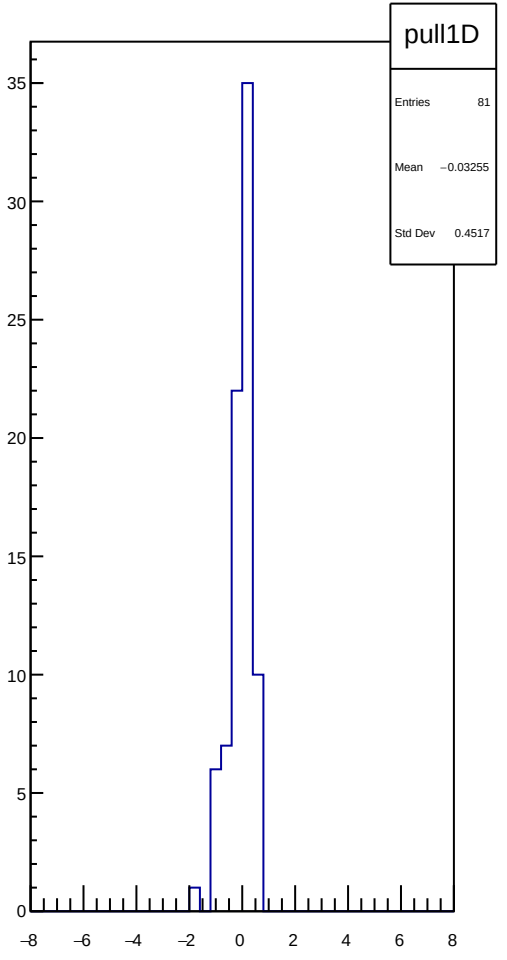

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 45.51 / 80
p0 4.652 ± 0.7324
pull
Entries 81
Mean −23.45
Std Dev 57.43

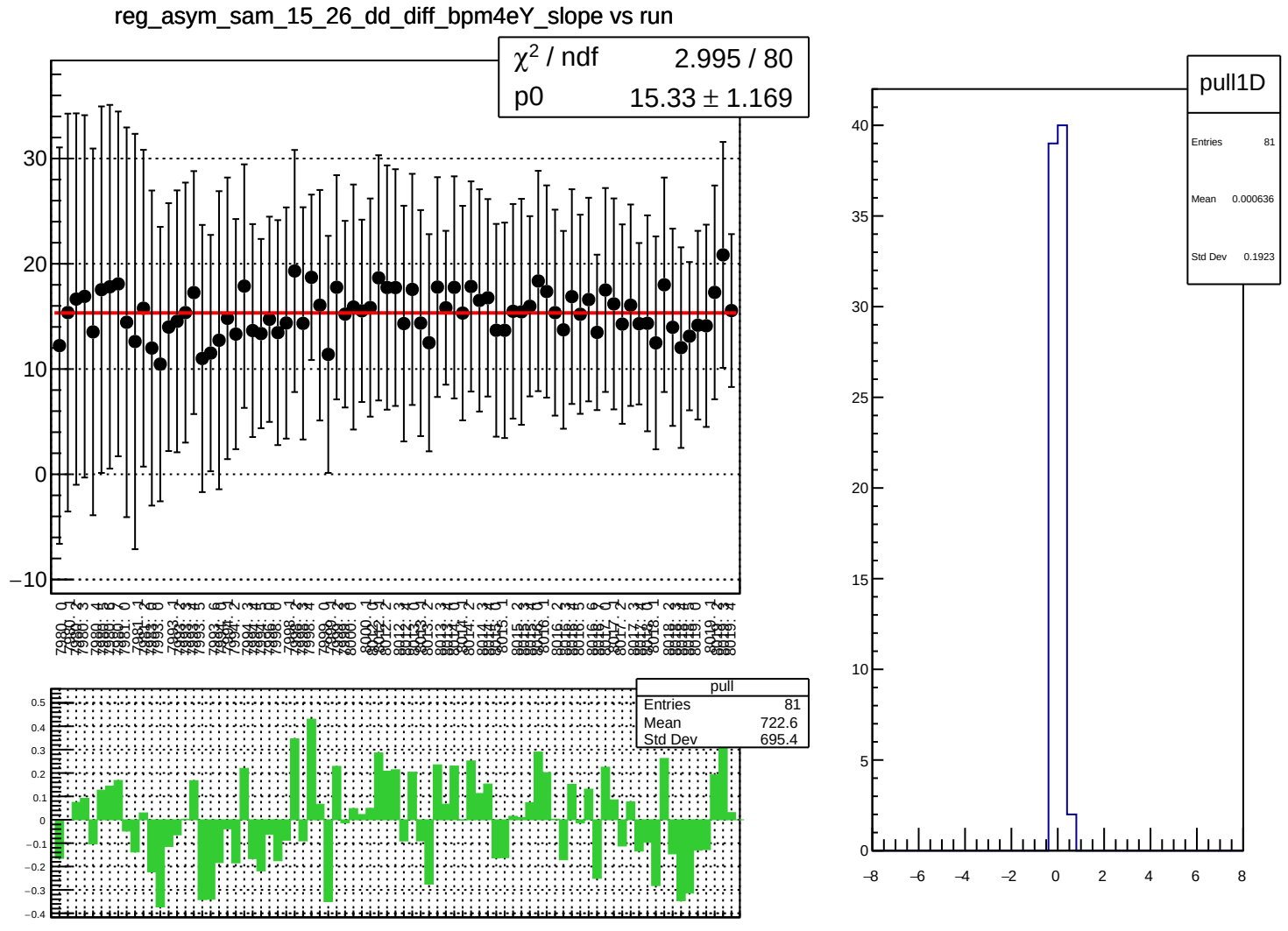

pull1D
Entries 81
Mean 0.1825
Std Dev 0.727

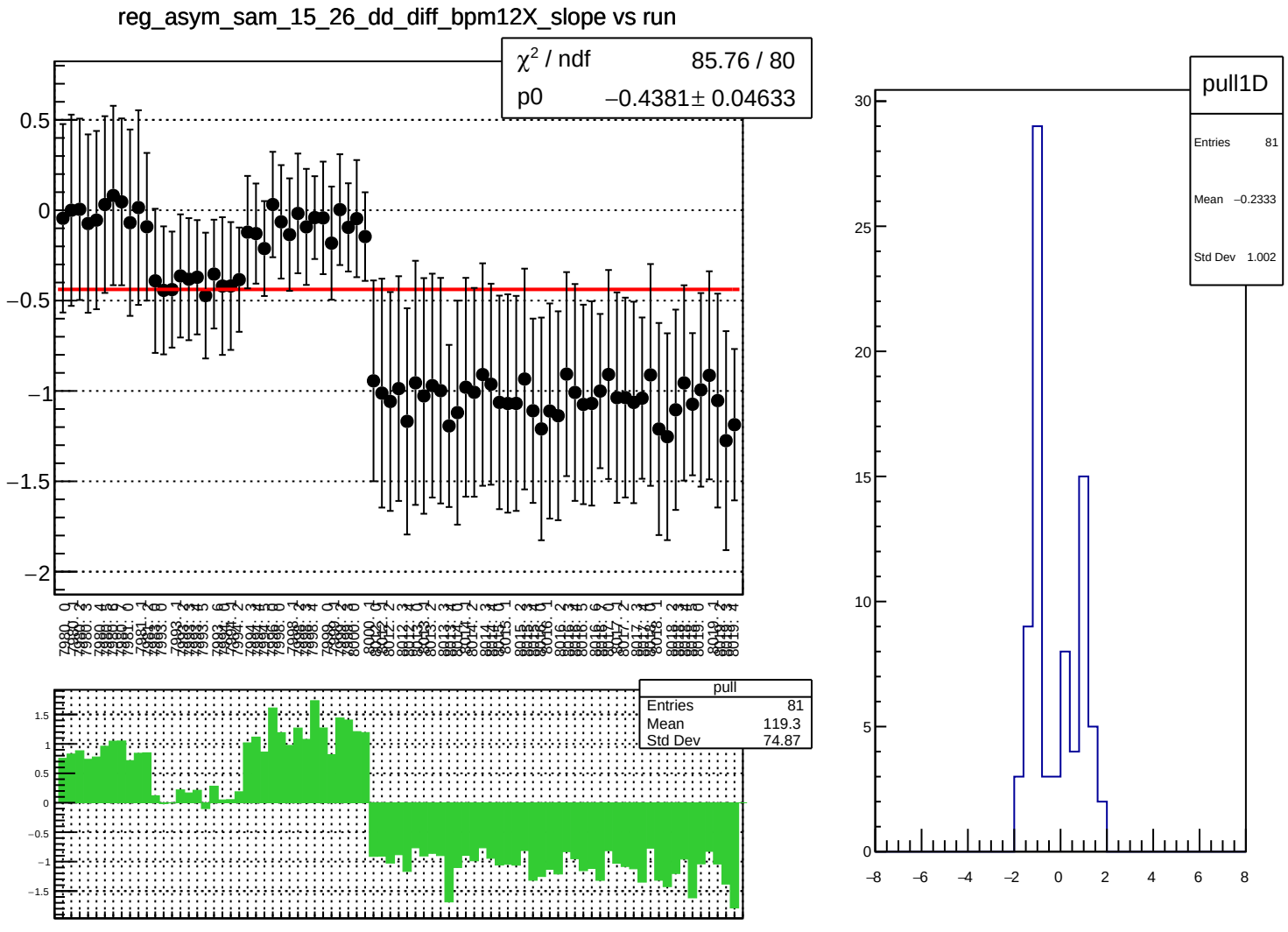

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.806 / 80
p0 24.63 ± 1.078
pull
Entries 81
Mean −3.575
Std Dev 49.1

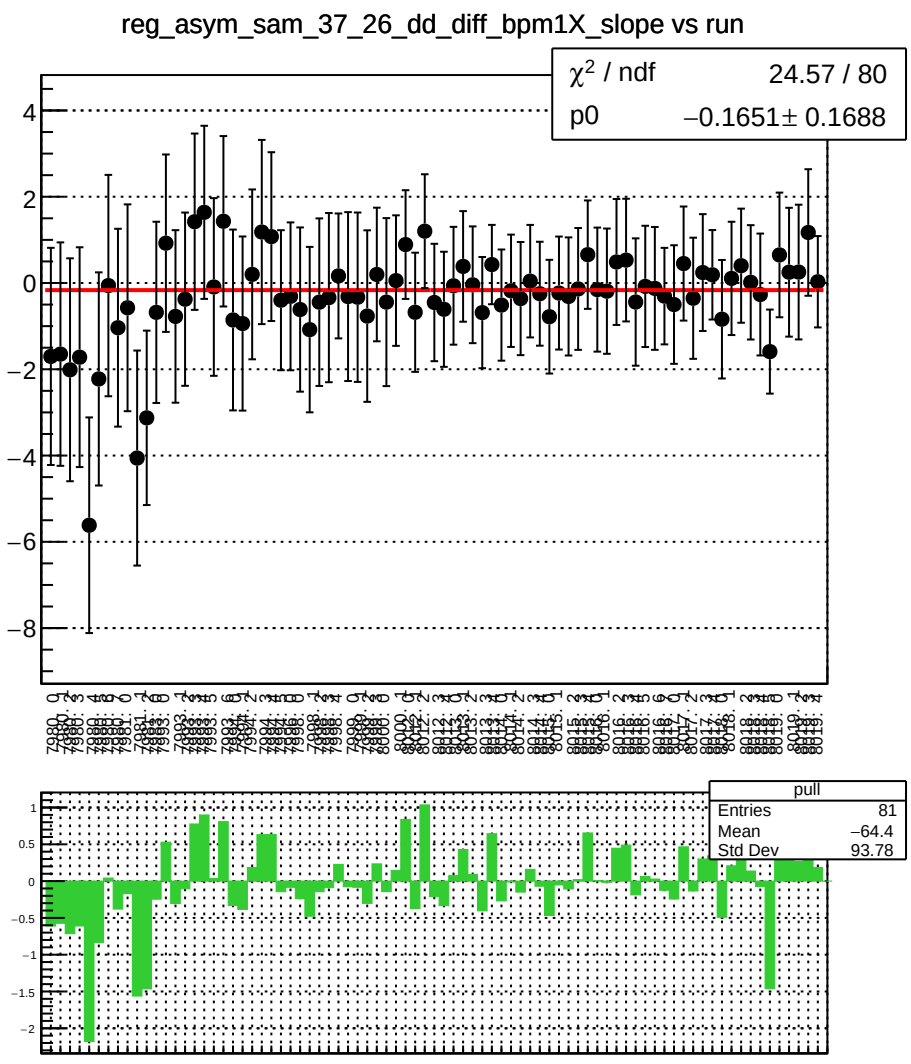

pull1D
Entries 81
Mean 0.01978
Std Dev 0.267

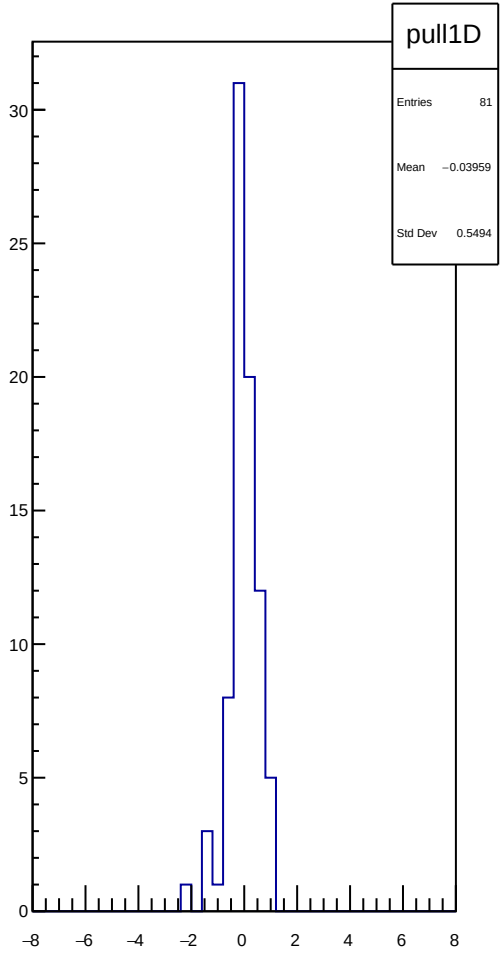

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.61 / 80
p0 20.87 ± 0.7519
pull
Entries 81
Mean −55.31
Std Dev 100.1

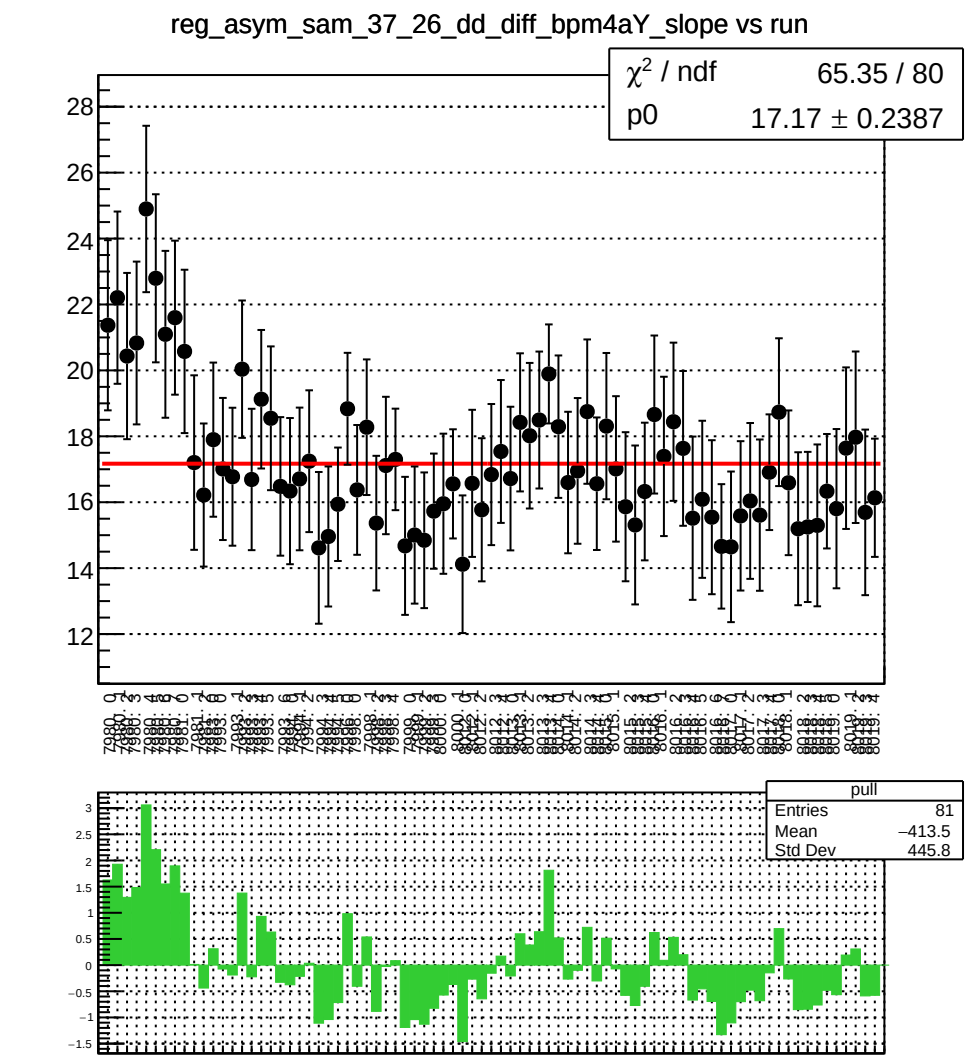

pull1D
Entries 81
Mean −0.03255
Std Dev 0.4517

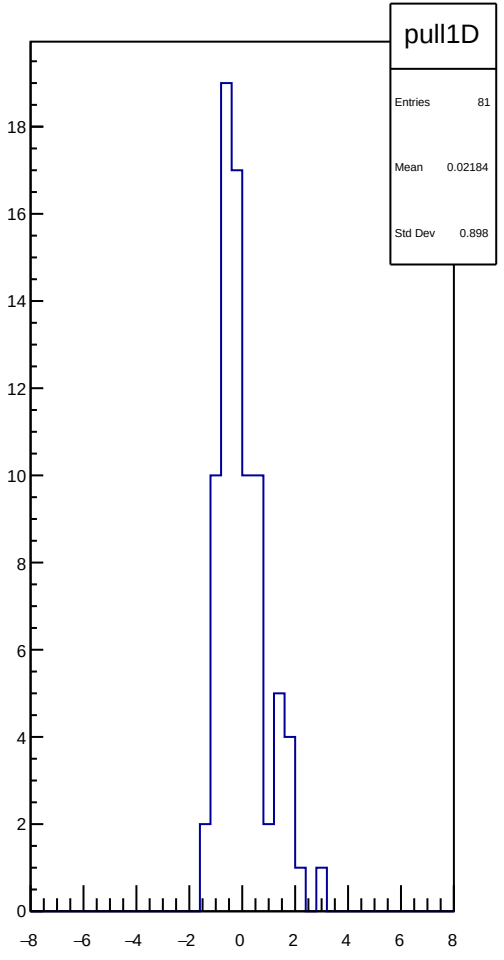

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.995 / 80
p0 15.33 ± 1.169
pull
Entries 81
Mean 722.6
Std Dev 695.4
pull1D
Entries 81
Mean 0.000636
Std Dev 0.1923

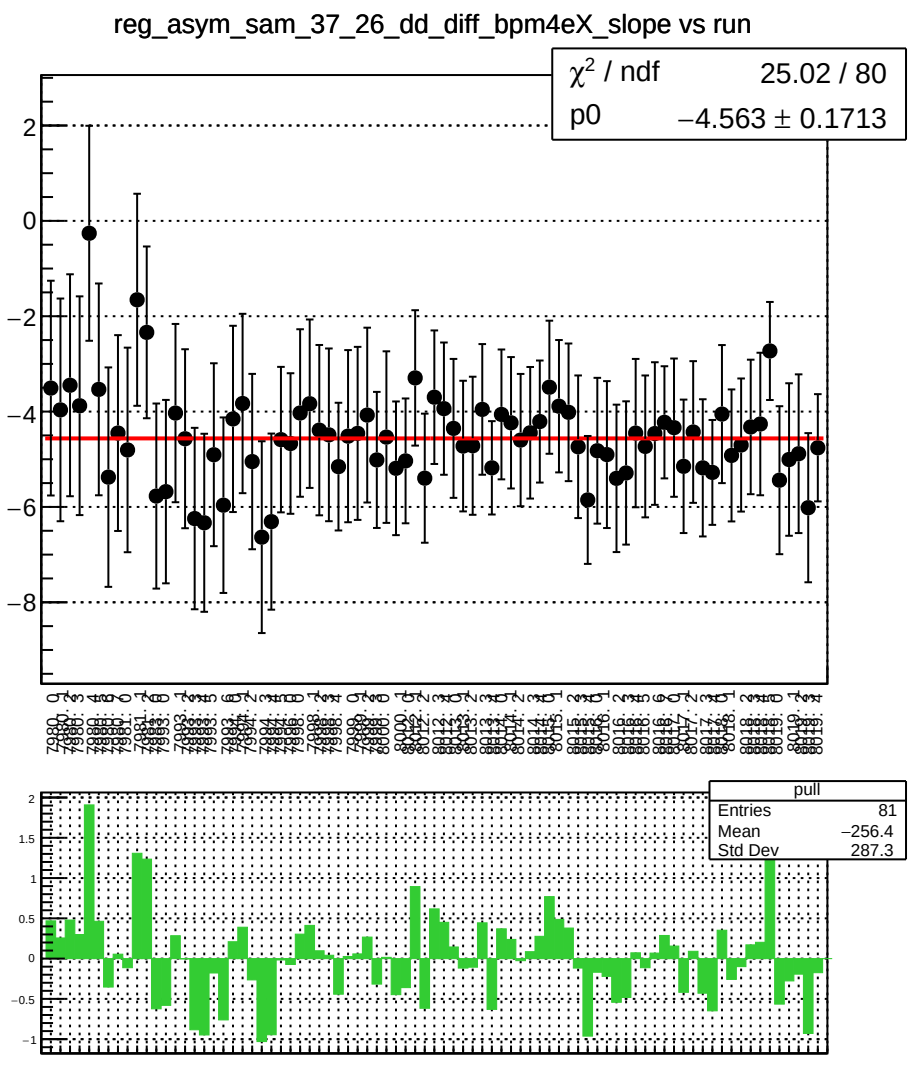

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 85.76 / 80
p0 −0.4381± 0.04633
pull
Entries 81
Mean 119.3
Std Dev 74.87
pull1D
Entries 81
Mean −0.2333
Std Dev 1.002

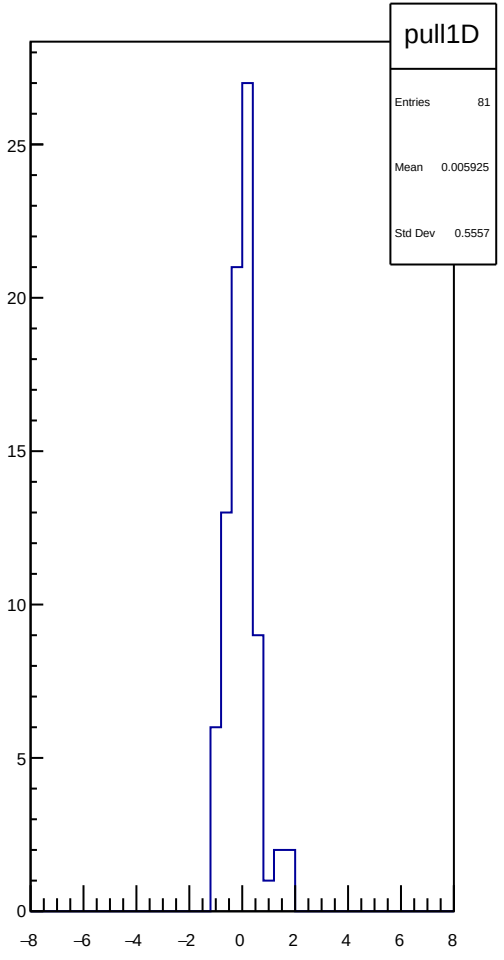

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 24.57 / 80
p0 −0.1651± 0.1688
pull
Entries 81
Mean −64.4
Std Dev 93.78

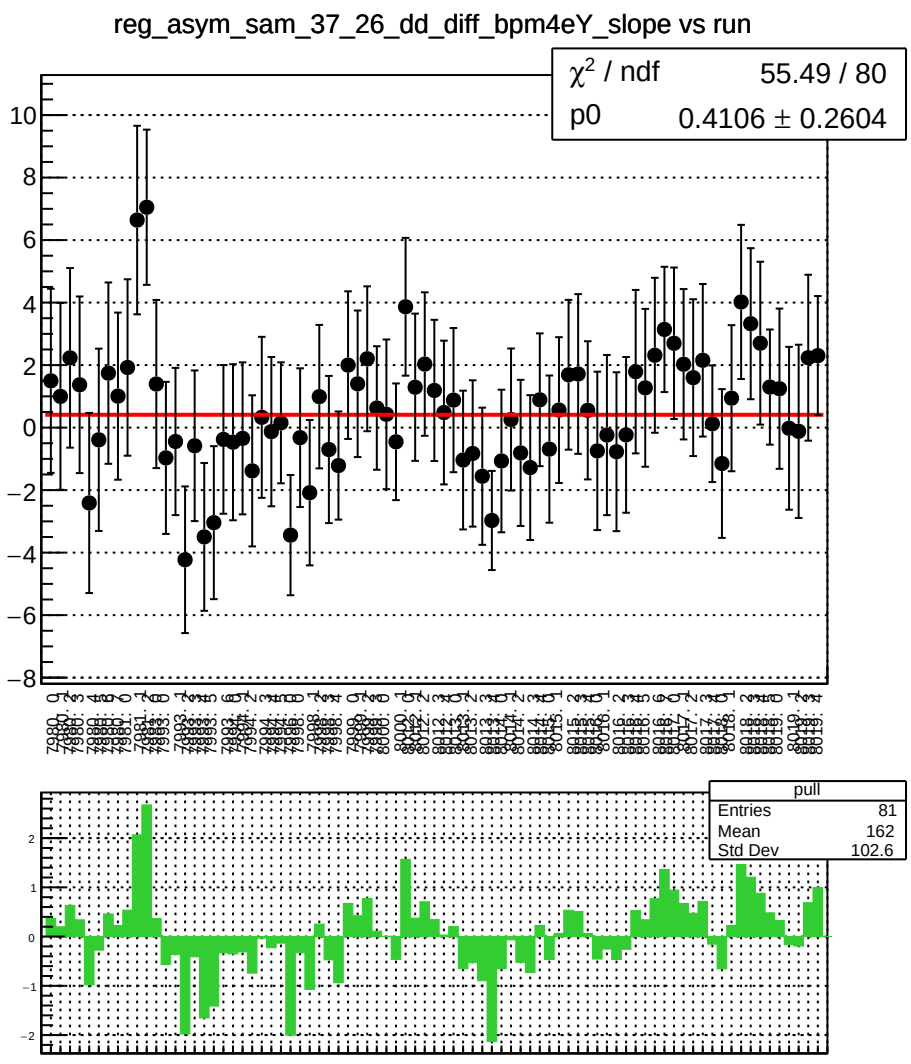

pull1D
Entries 81
Mean −0.03959
Std Dev 0.5494

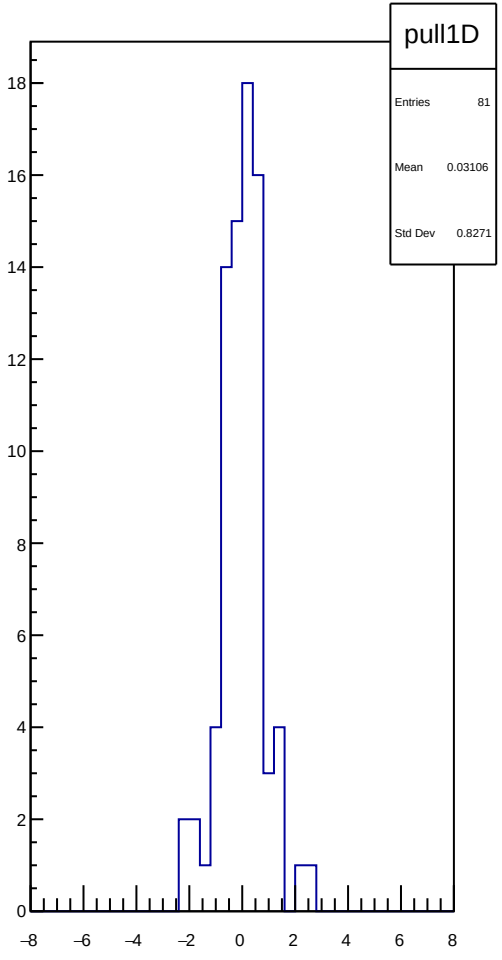

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.35 / 80
p0 17.17 ± 0.2387
pull
Entries 81
Mean −413.5
Std Dev 445.8

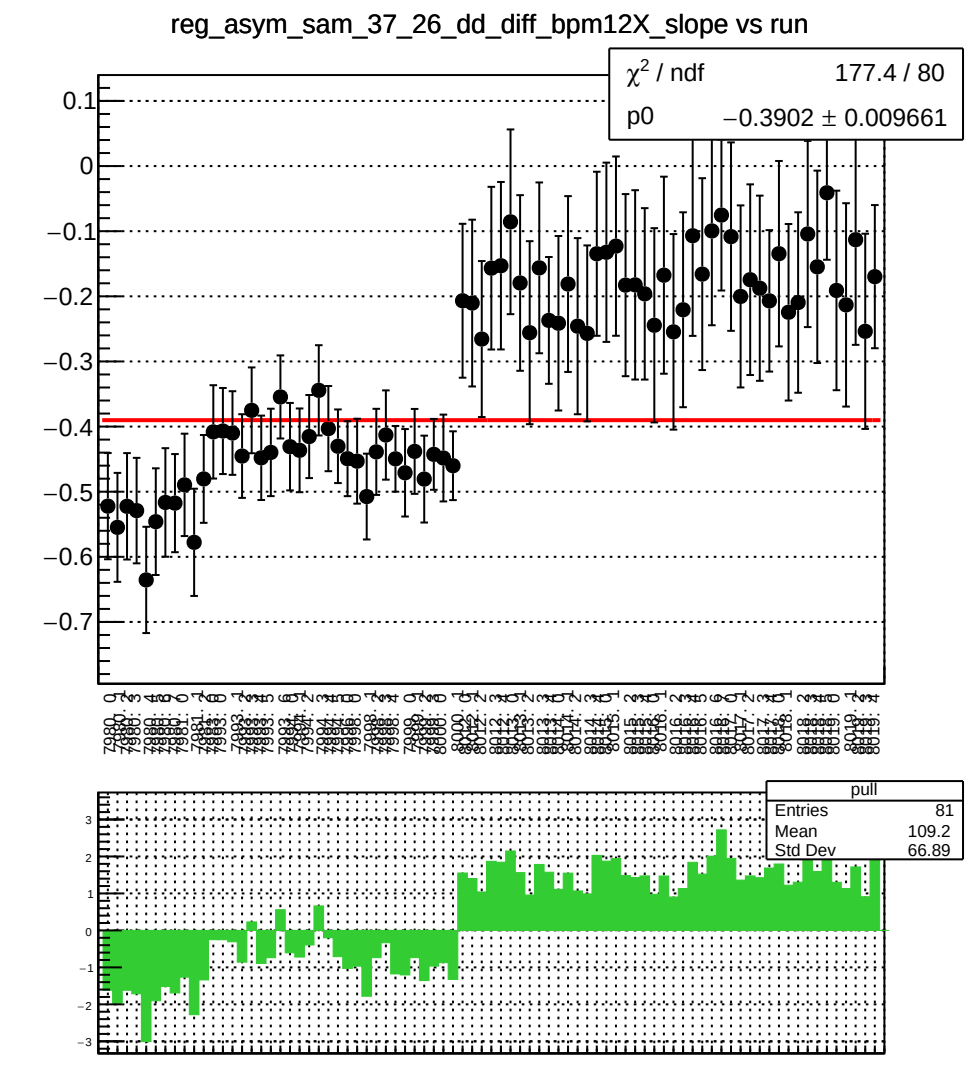

pull1D
Entries 81
Mean 0.02184
Std Dev 0.898

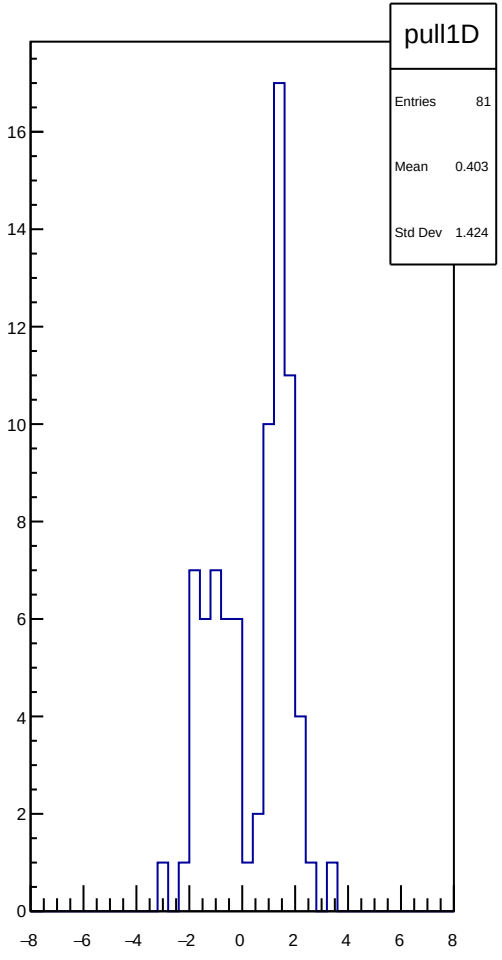

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.02 / 80
p0 −4.563 ± 0.1713
pull
Entries 81
Mean −256.4
Std Dev 287.3

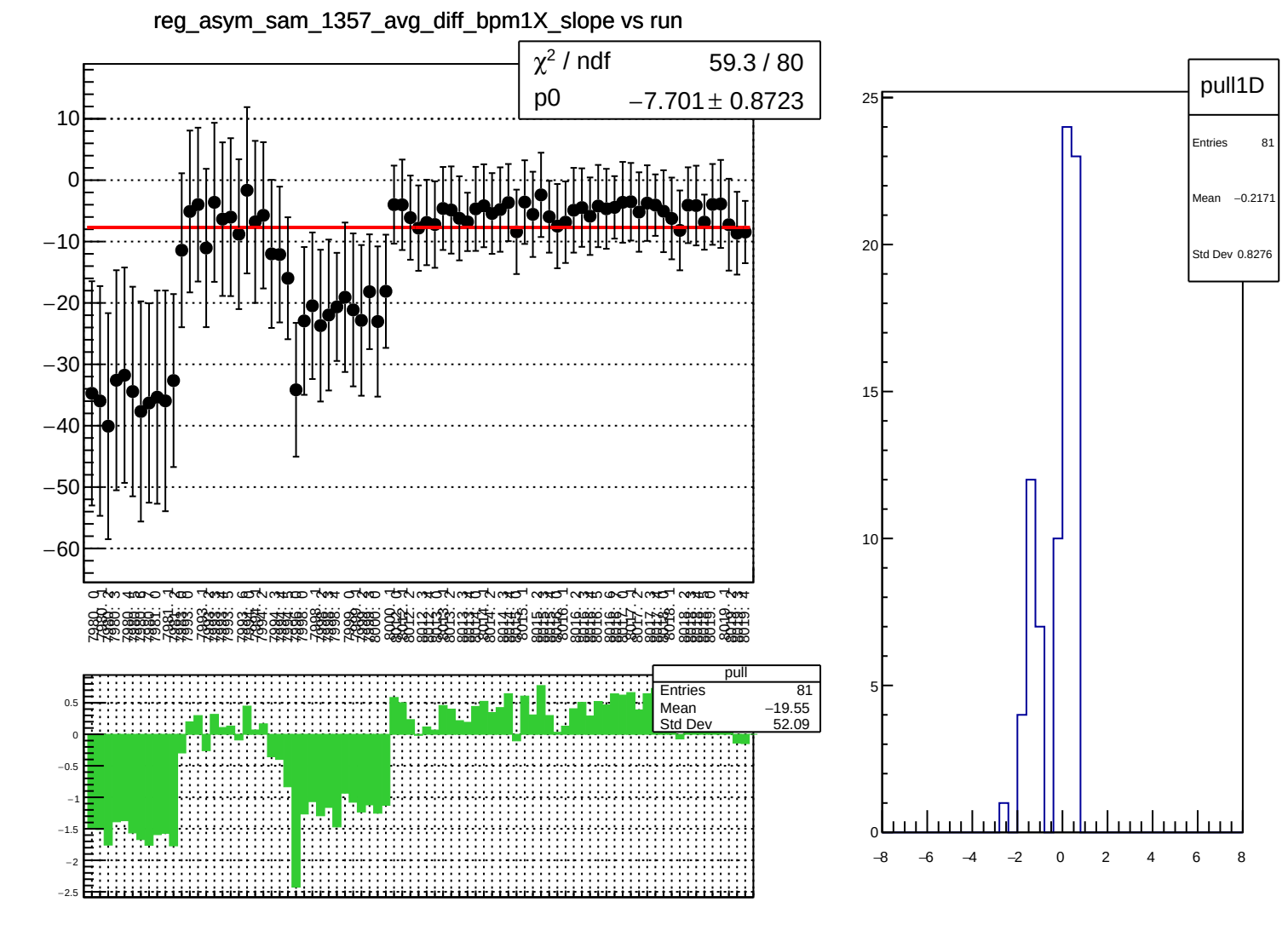

pull1D
Entries 81
Mean 0.005925
Std Dev 0.5557

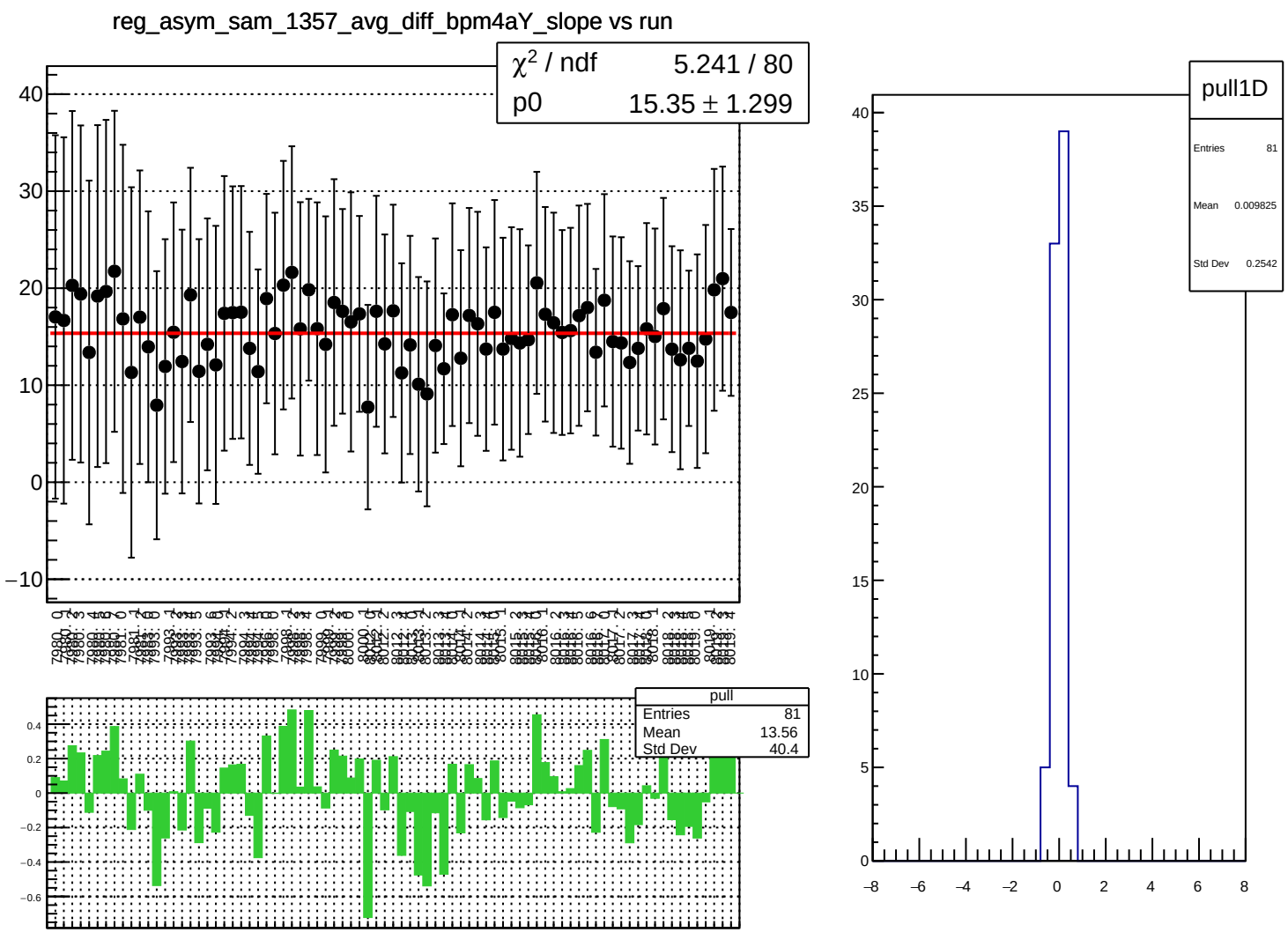

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.49 / 80
p0 0.4106 ± 0.2604
pull
Entries 81
Mean 162
Std Dev 102.6

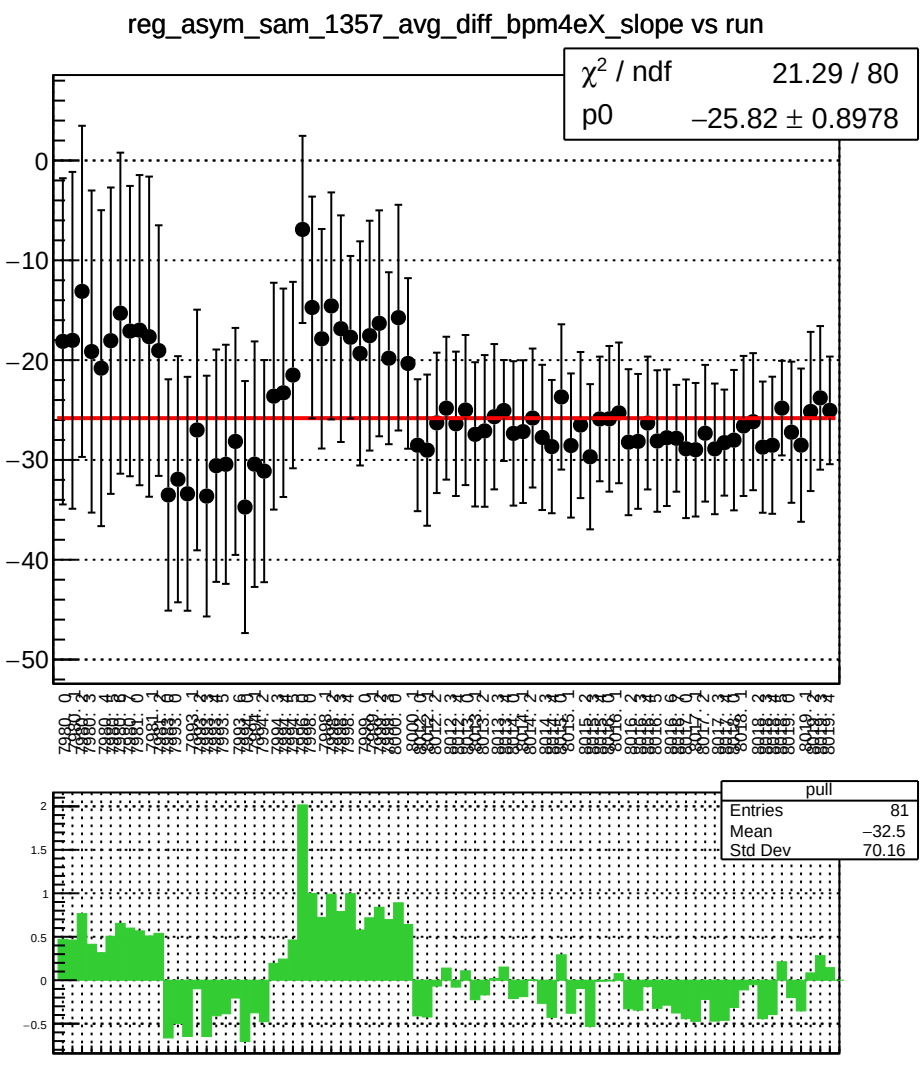

pull1D
Entries 81
Mean 0.03106
Std Dev 0.8271

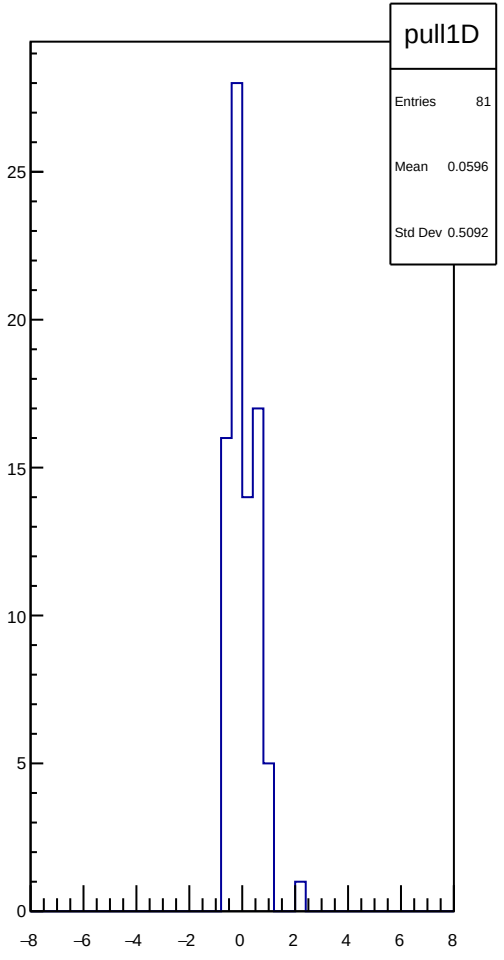

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 177.4 / 80
p0 −0.3902 ± 0.009661
pull
Entries 81
Mean 109.2
Std Dev 66.89

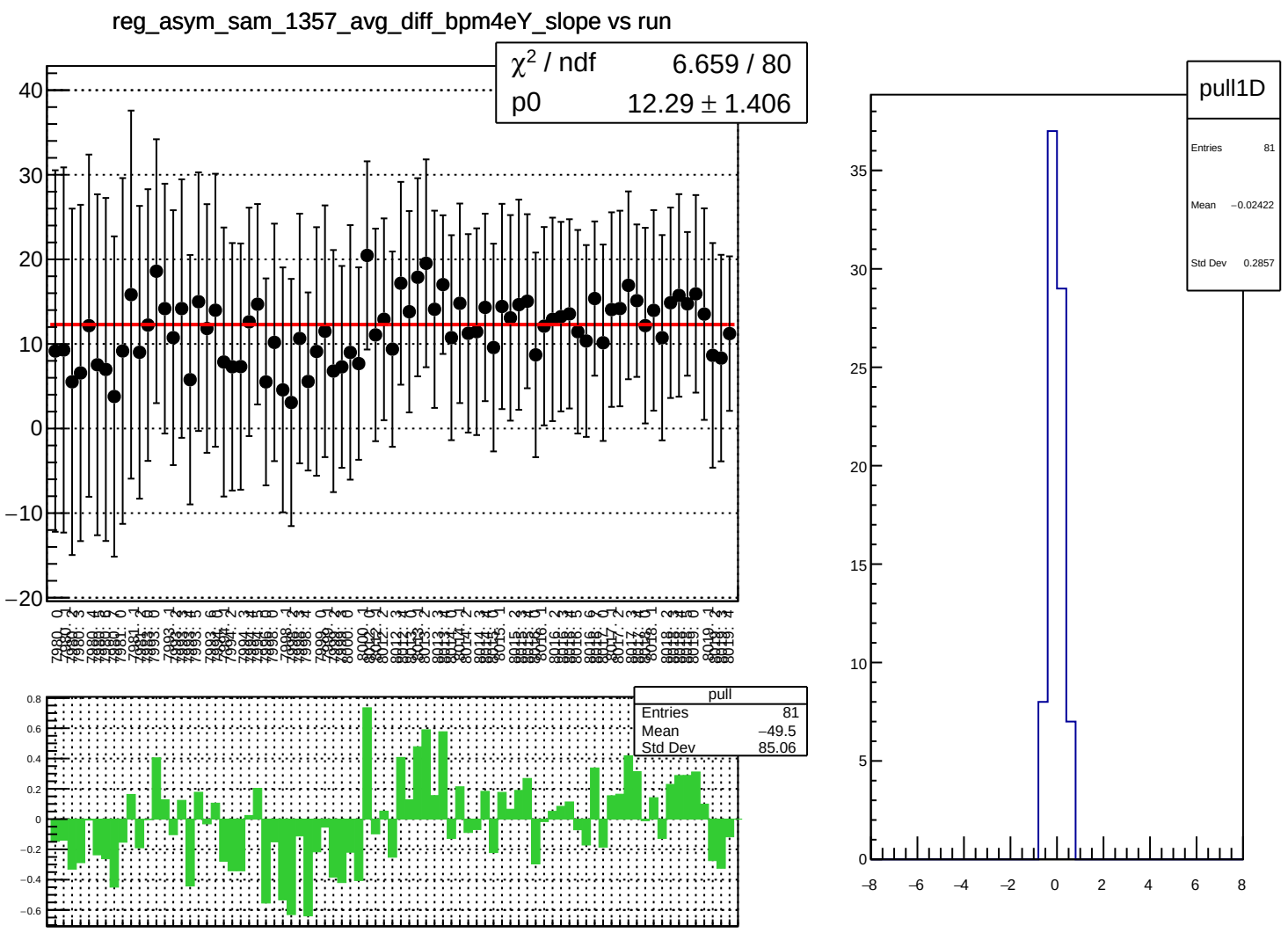

pull1D
Entries 81
Mean 0.403
Std Dev 1.424

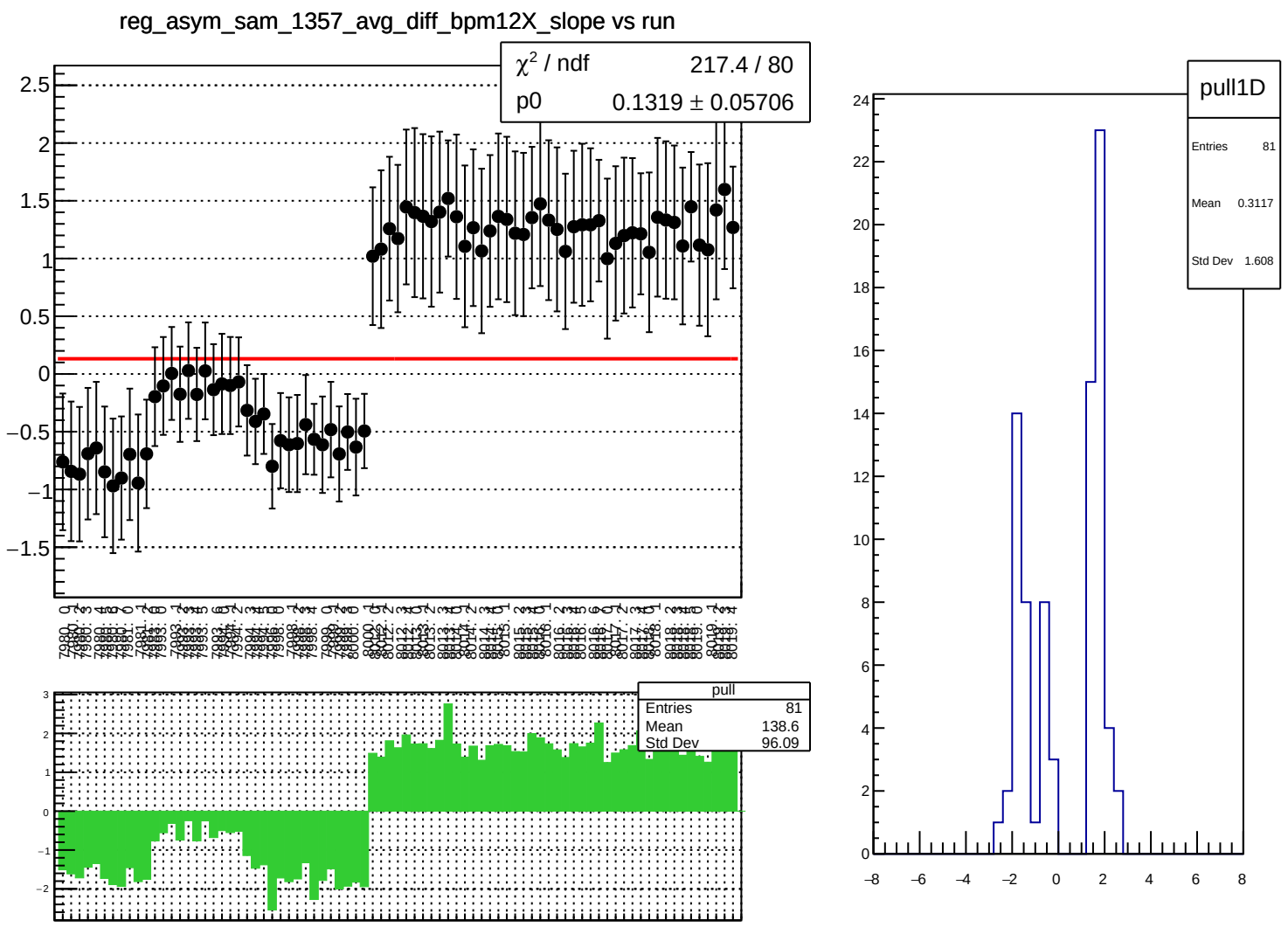

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 59.3 / 80
p0 −7.701 ± 0.8723
pull
Entries 81
Mean −19.55
Std Dev 52.09
pull1D
Entries 81
Mean −0.2171
Std Dev 0.8276

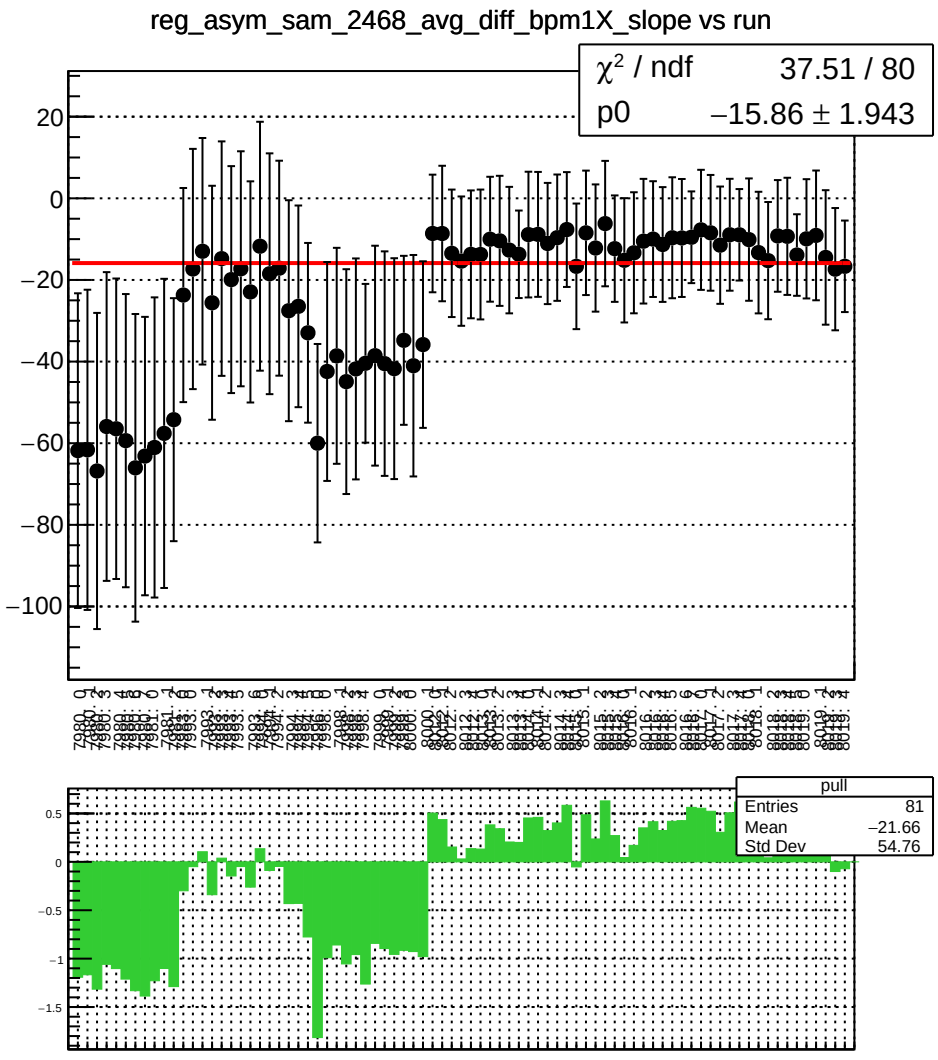

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.241 / 80
p0 15.35 ± 1.299
pull
Entries 81
Mean 13.56
Std Dev 40.4
pull1D
Entries 81
Mean 0.009825
Std Dev 0.2542

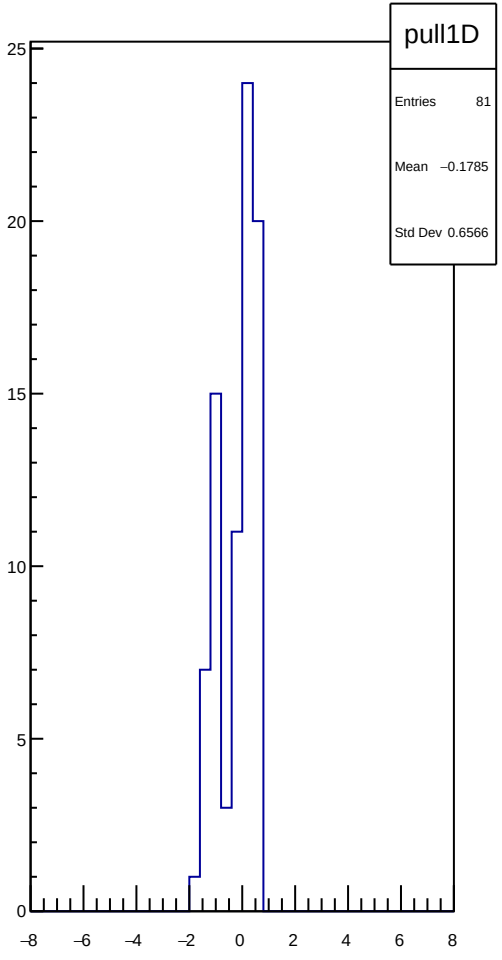

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.29 / 80
p0 −25.82 ± 0.8978
pull
Entries 81
Mean −32.5
Std Dev 70.16

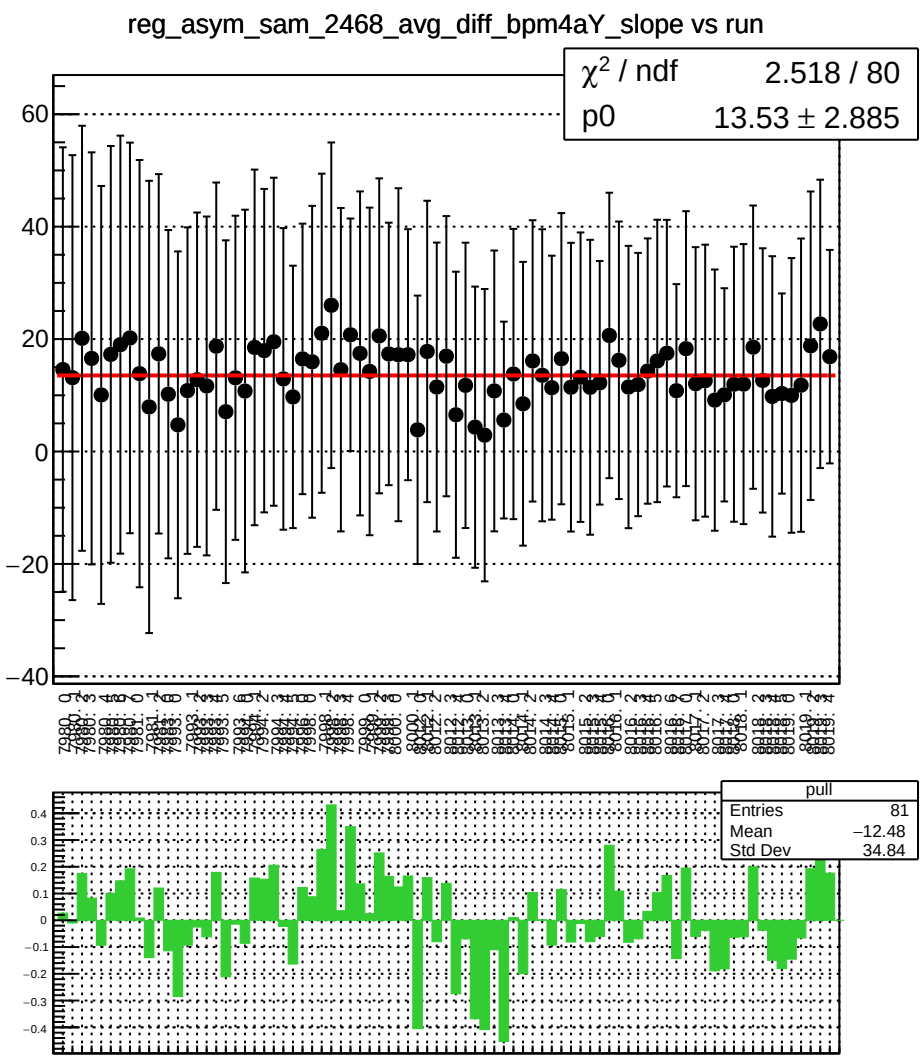

pull1D
Entries 81
Mean 0.0596
Std Dev 0.5092

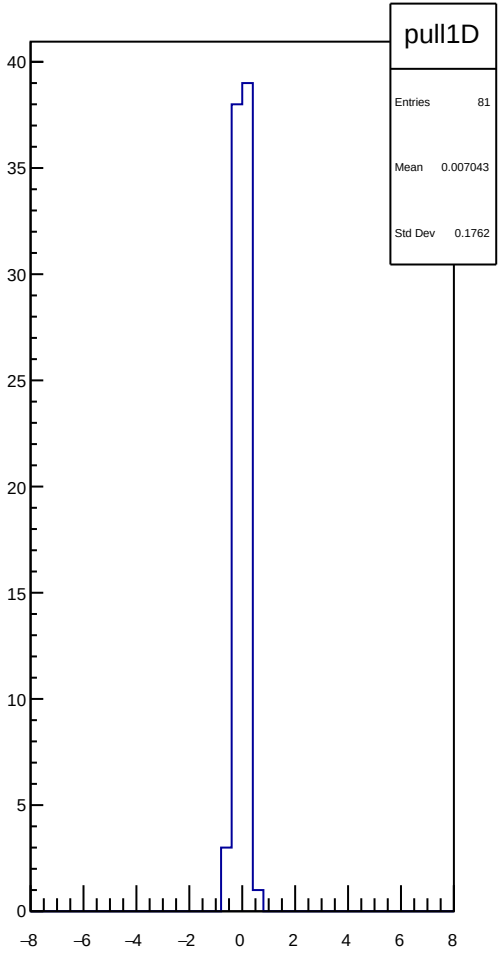

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.659 / 80
p0 12.29 ± 1.406
pull
Entries 81
Mean −49.5
Std Dev 85.06
pull1D
Entries 81
Mean −0.02422
Std Dev 0.2857

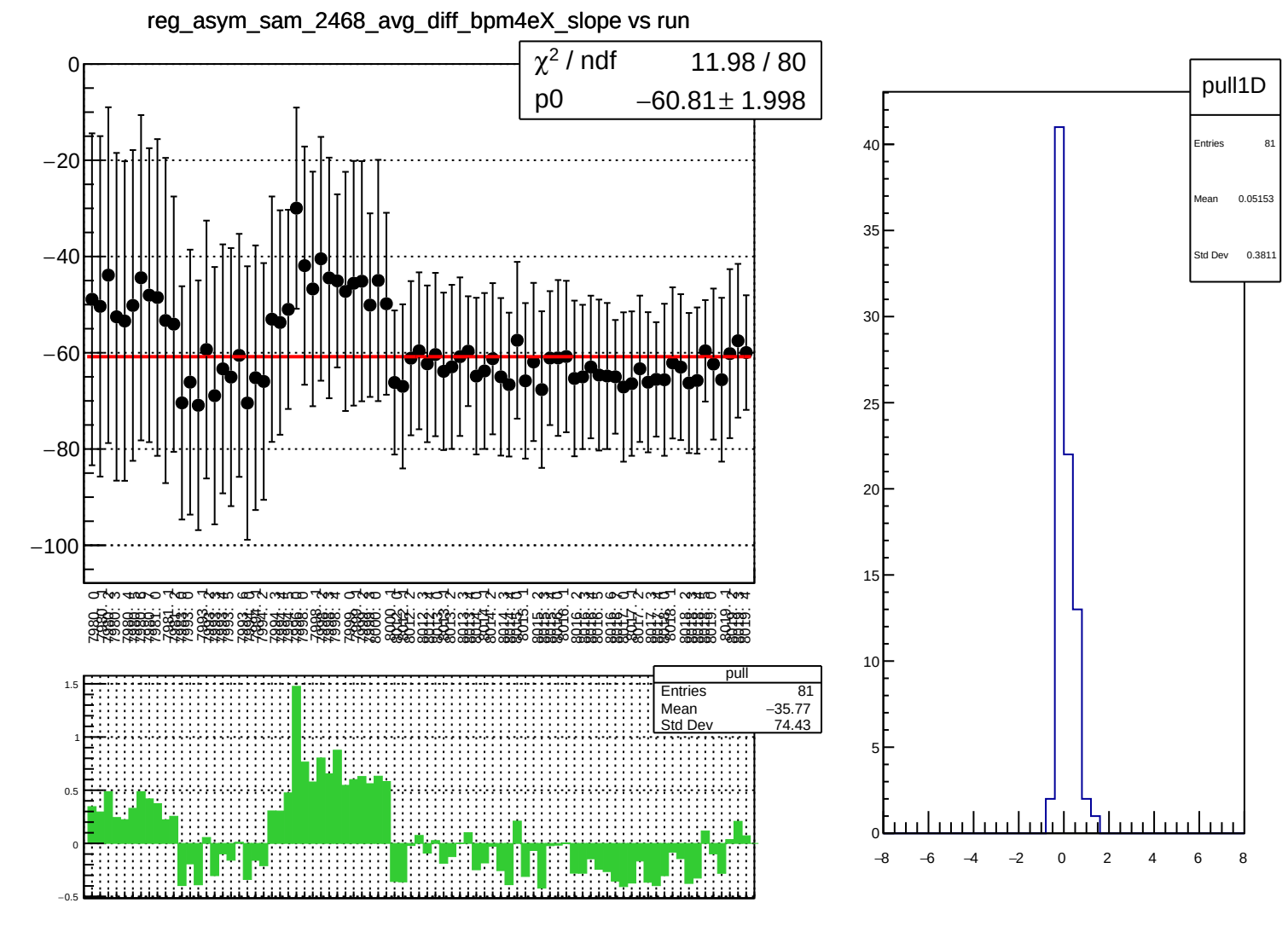

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 217.4 / 80
p0 0.1319 ± 0.05706
pull
Entries 81
Mean 138.6
Std Dev 96.09
pull1D
Entries 81
Mean 0.3117
Std Dev 1.608

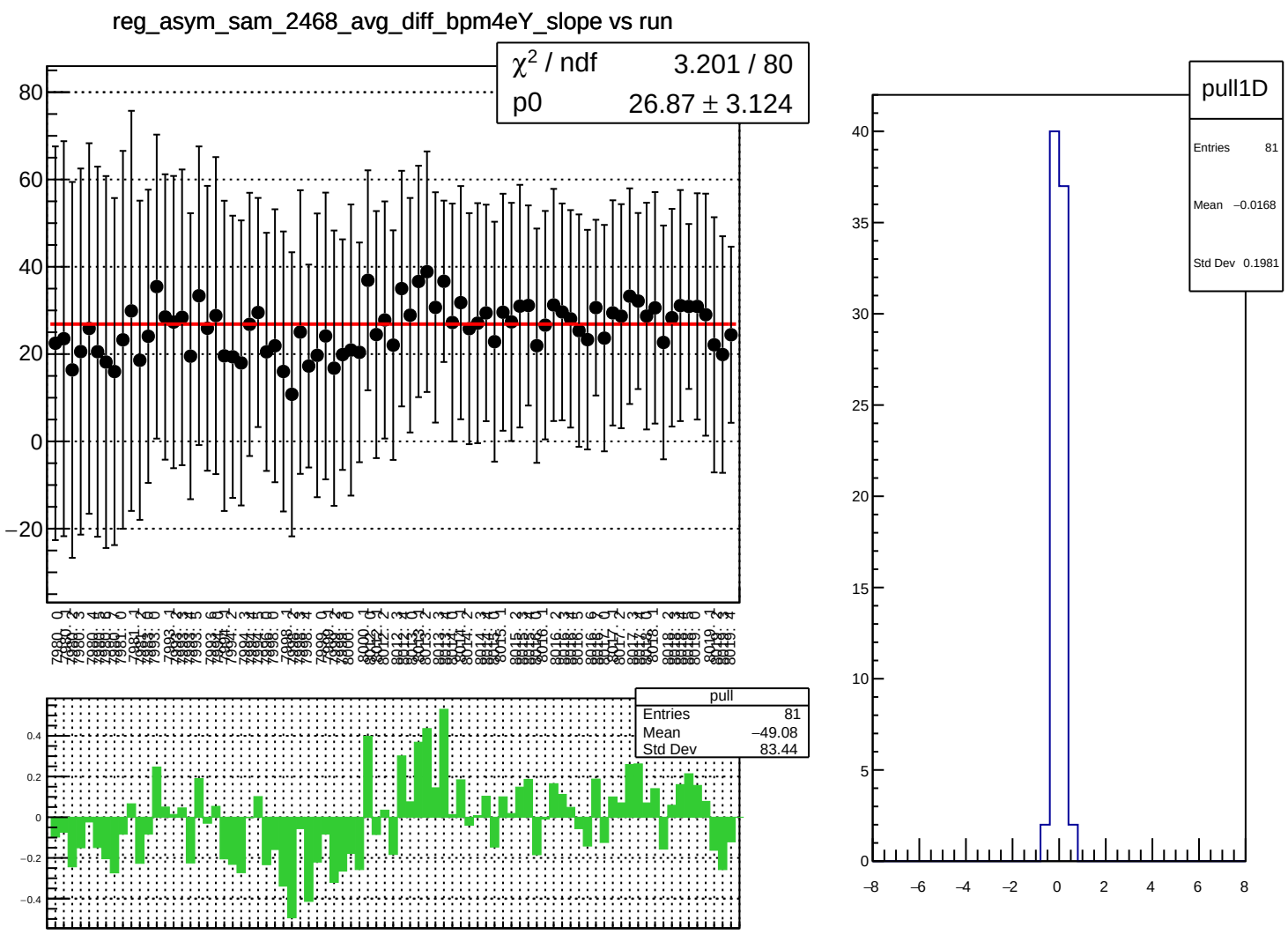

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 37.51 / 80
p0 −15.86 ± 1.943
pull
Entries 81
Mean −21.66
Std Dev 54.76

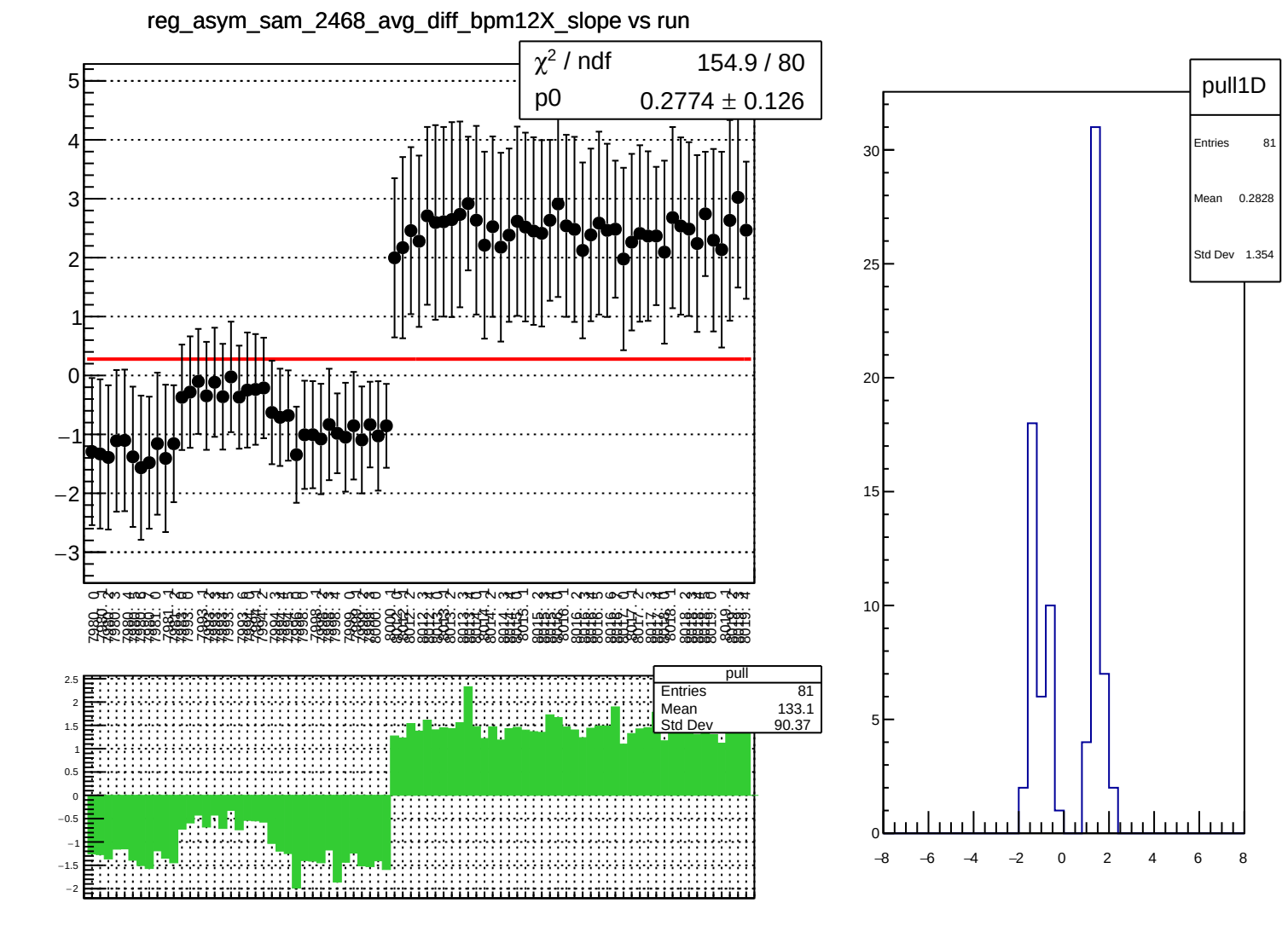

pull1D
Entries 81
Mean −0.1785
Std Dev 0.6566

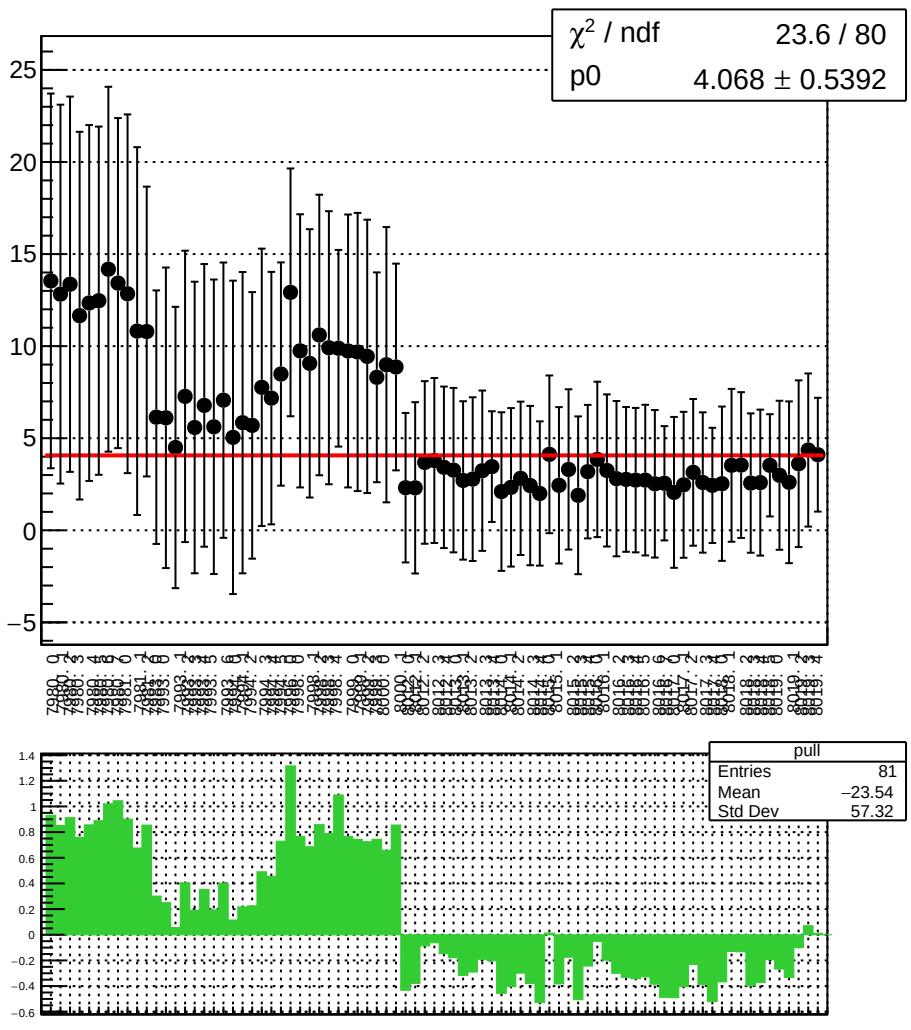

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.518 / 80
p0 13.53 ± 2.885
pull
Entries 81
Mean −12.48
Std Dev 34.84

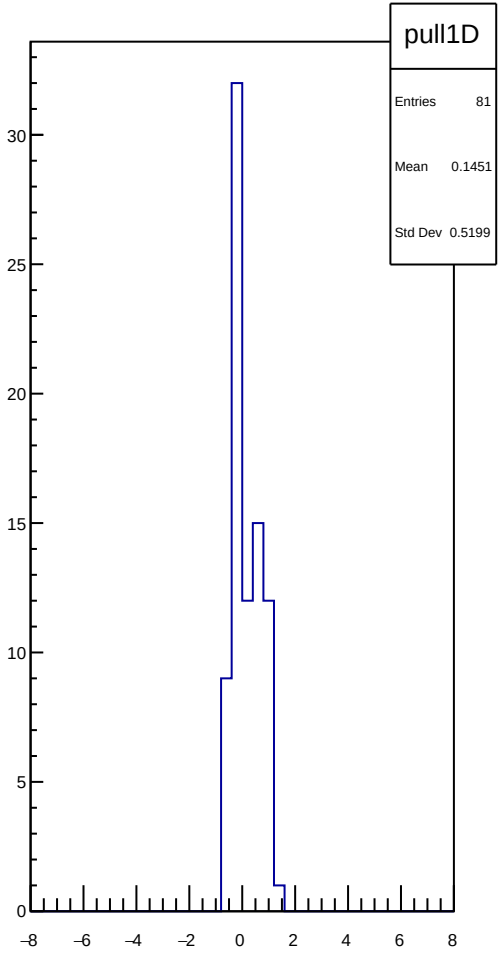

pull1D
Entries 81
Mean 0.007043
Std Dev 0.1762

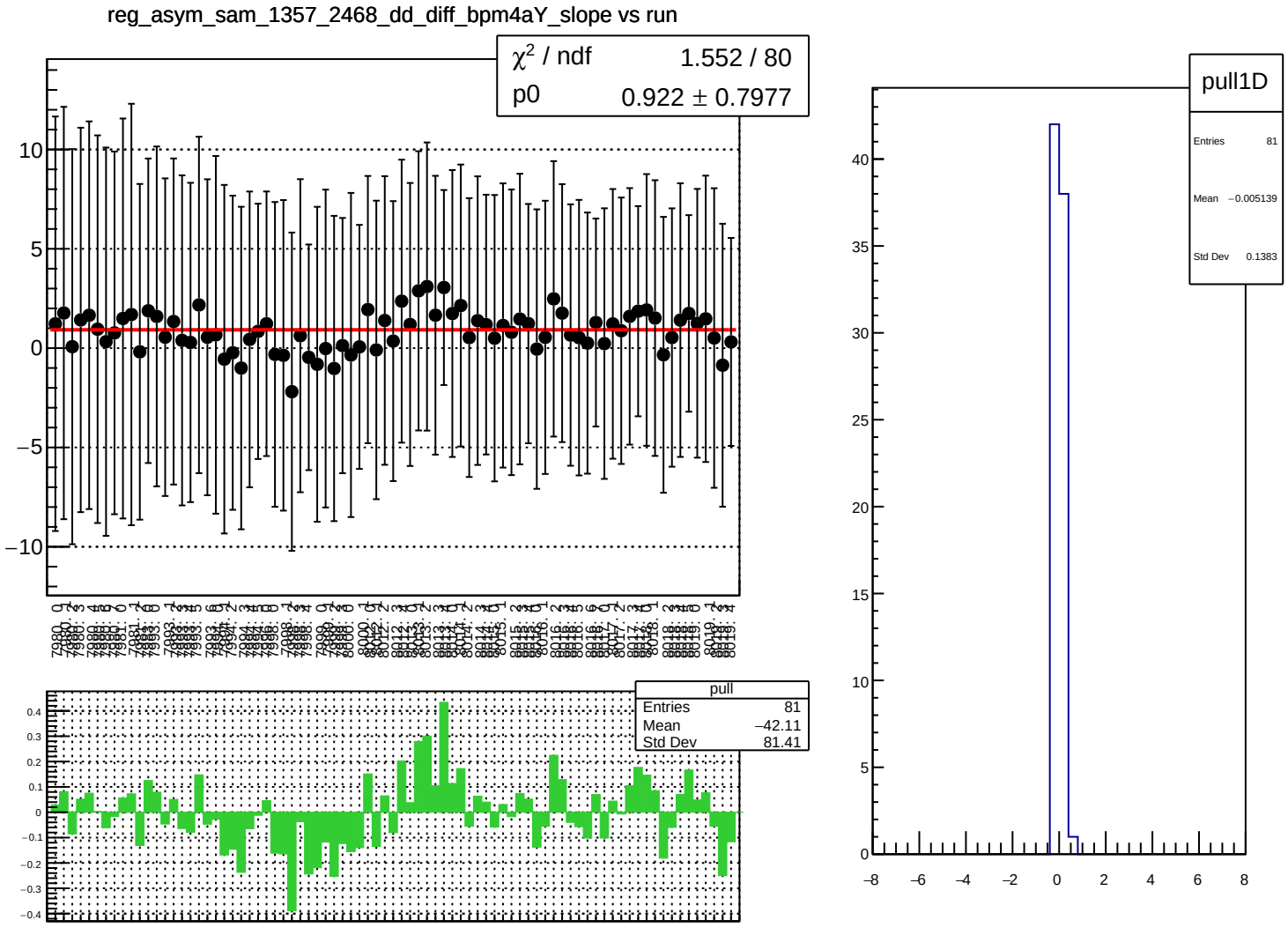

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.98 / 80
p0 −60.81± 1.998
pull
Entries 81
Mean −35.77
Std Dev 74.43
pull1D
Entries 81
Mean 0.05153
Std Dev 0.3811

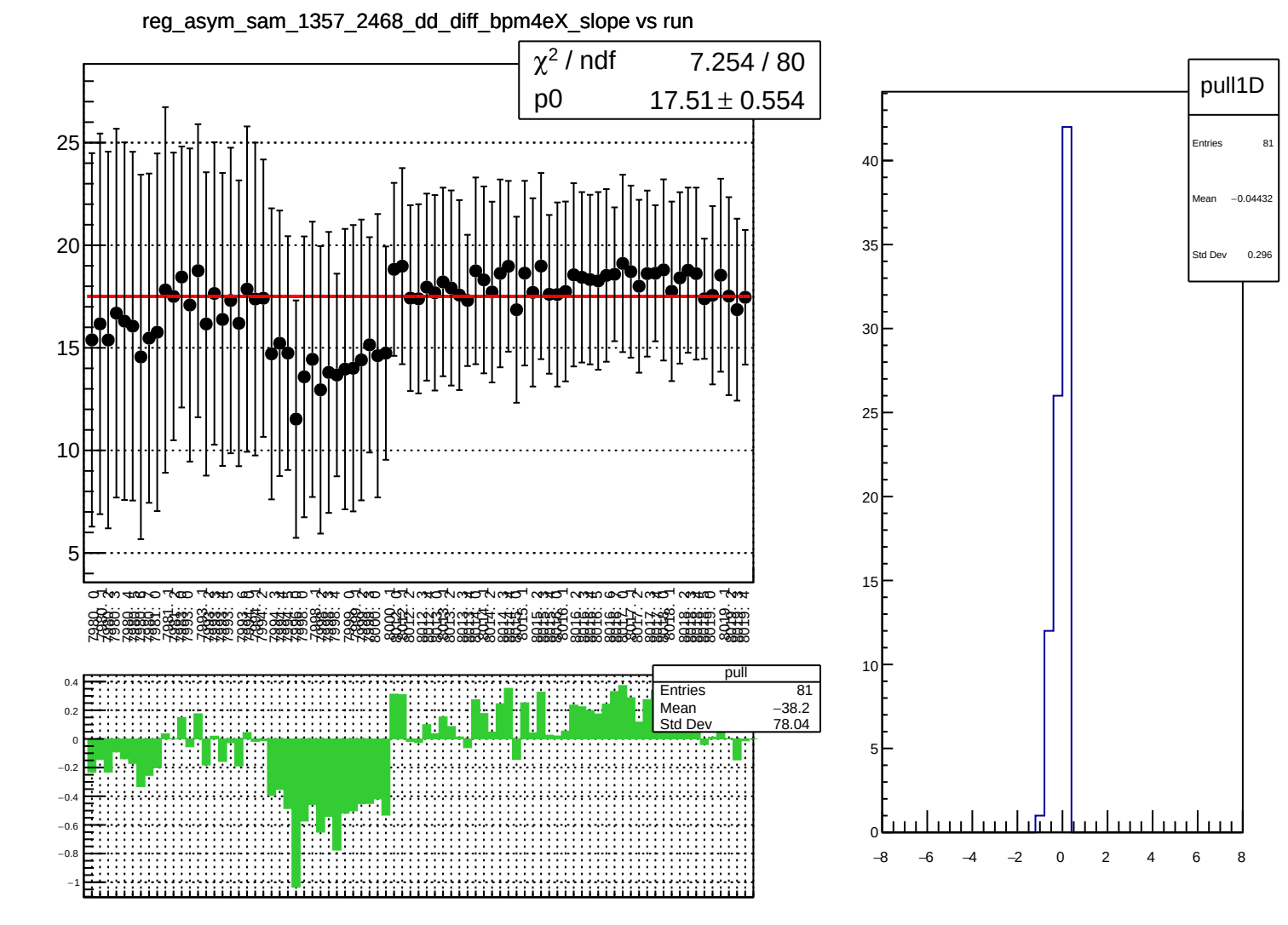

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.201 / 80
p0 26.87 ± 3.124
pull
Entries 81
Mean −49.08
Std Dev 83.44
pull1D
Entries 81
Mean −0.0168
Std Dev 0.1981

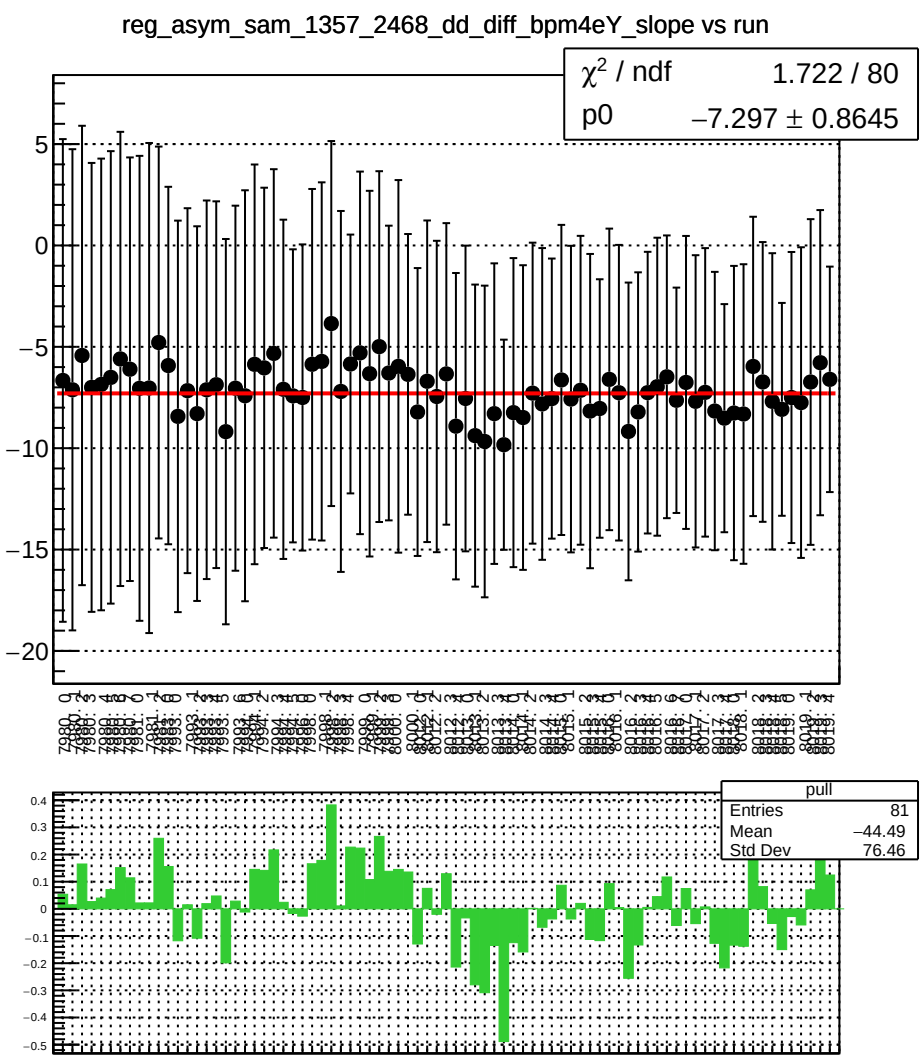

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 154.9 / 80
p0 0.2774 ± 0.126
pull
Entries 81
Mean 133.1
Std Dev 90.37
pull1D
Entries 81
Mean 0.2828
Std Dev 1.354

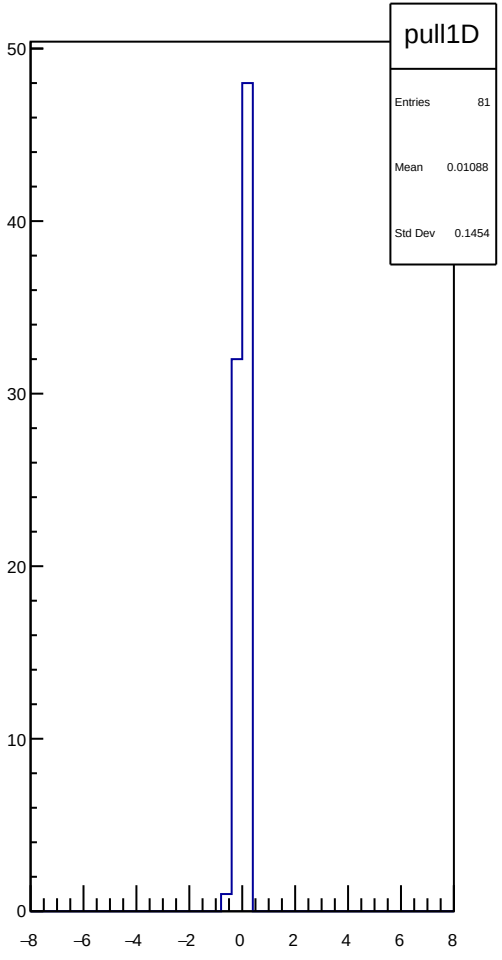

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 23.6 / 80
p0 4.068 ± 0.5392
pull
Entries 81
Mean −23.54
Std Dev 57.32

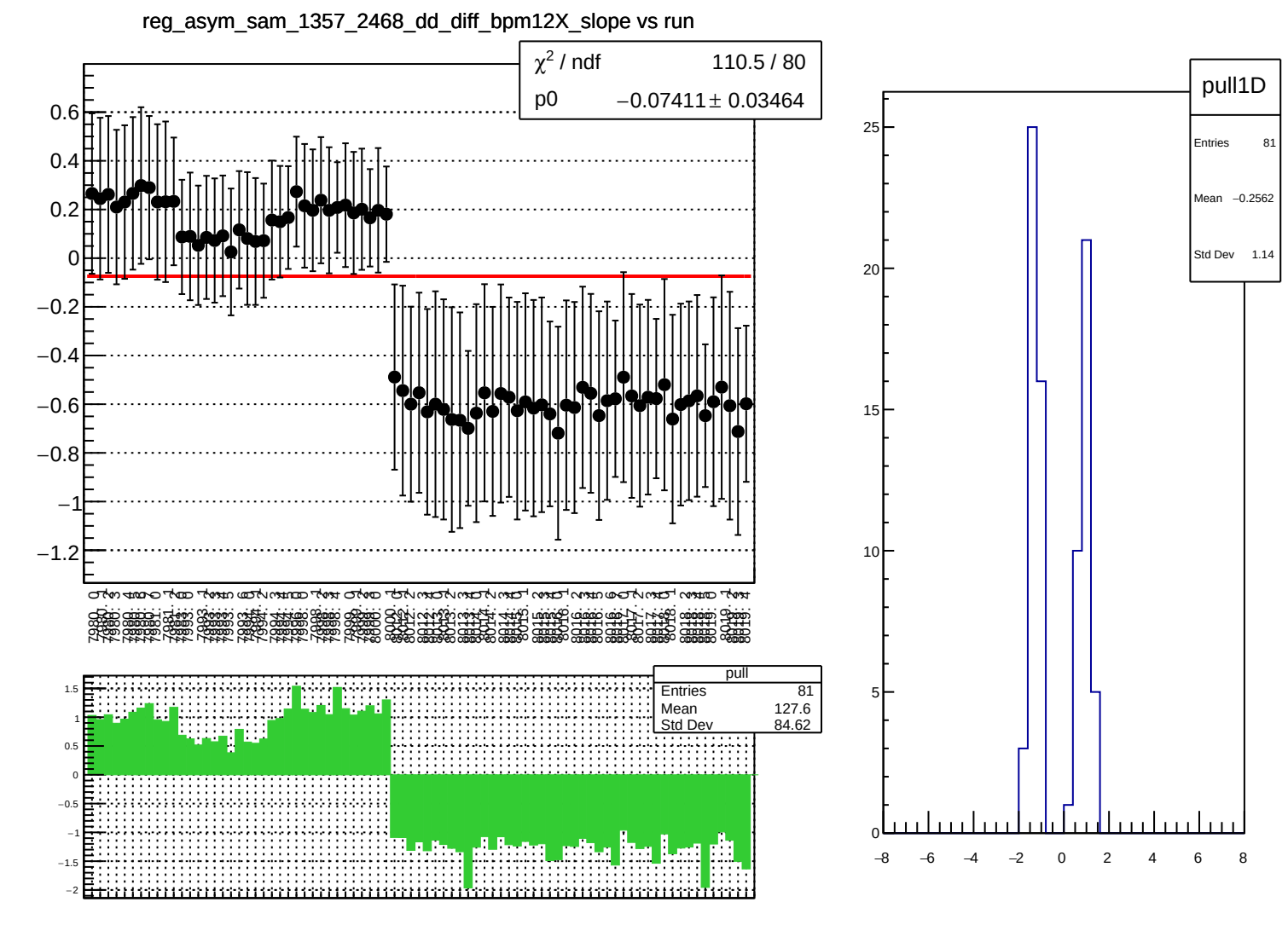

pull1D
Entries 81
Mean 0.1451
Std Dev 0.5199

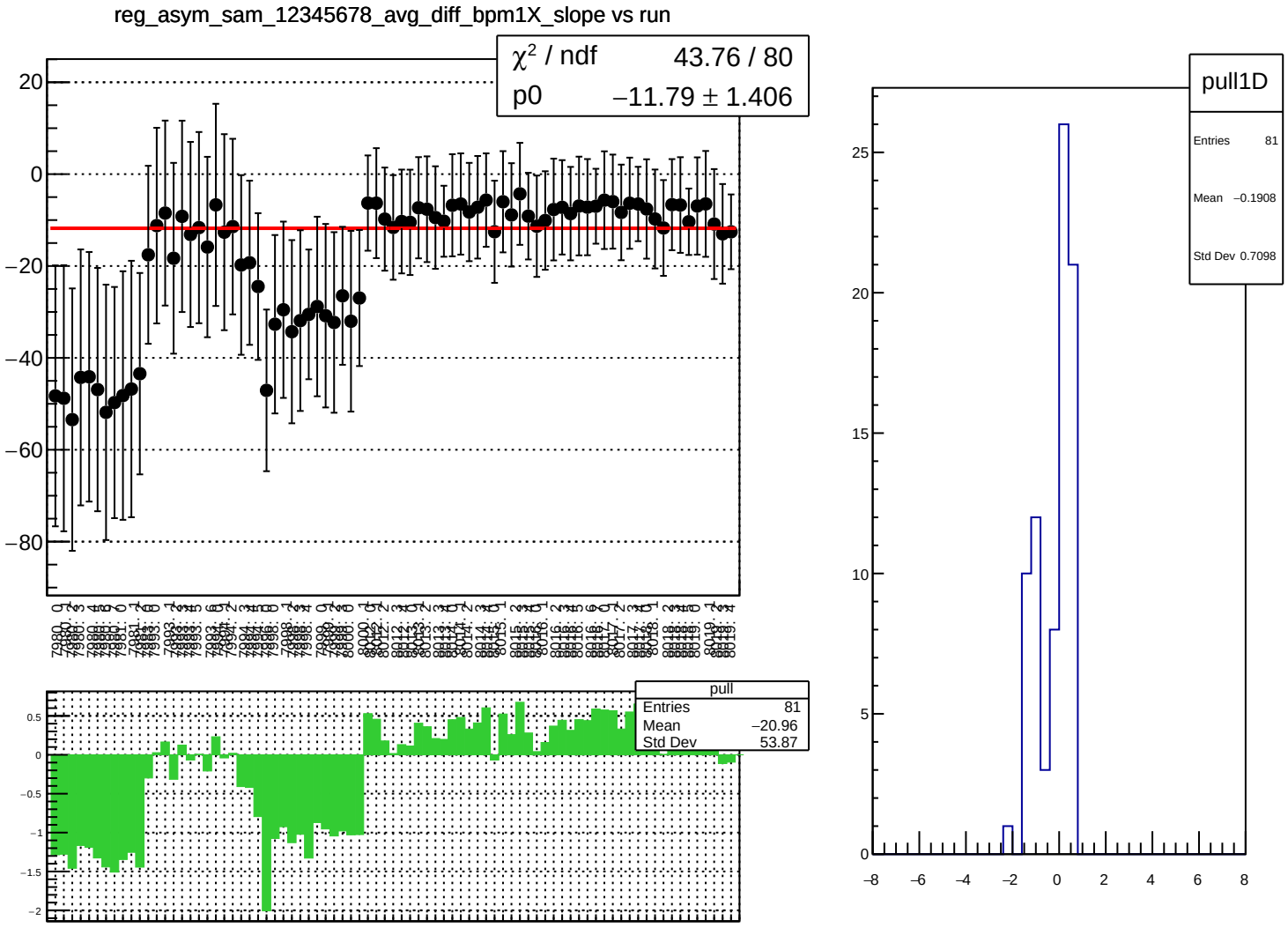

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.552 / 80
p0 0.922 ± 0.7977
pull
Entries 81
Mean −42.11
Std Dev 81.41
pull1D
Entries 81
Mean −0.005139
Std Dev 0.1383

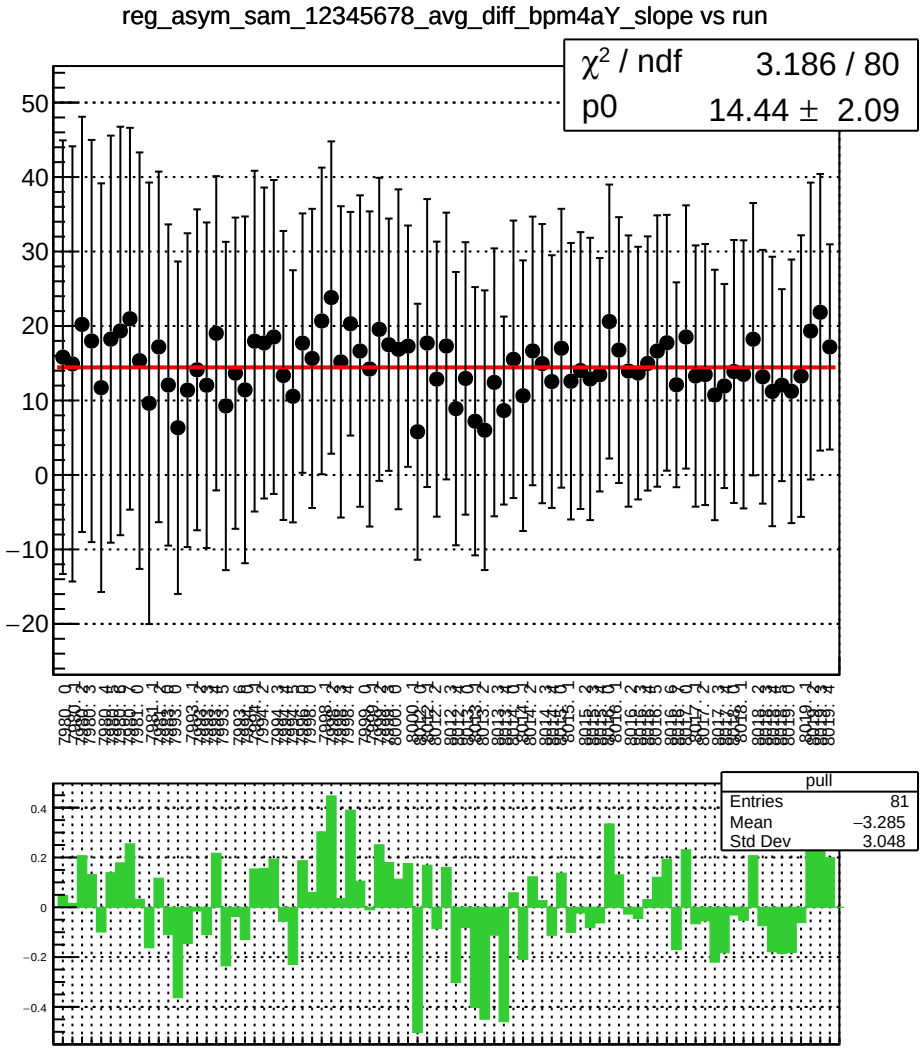

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.254 / 80
p0 17.51 ± 0.554
pull
Entries 81
Mean −38.2
Std Dev 78.04
pull1D
Entries 81
Mean −0.04432
Std Dev 0.296

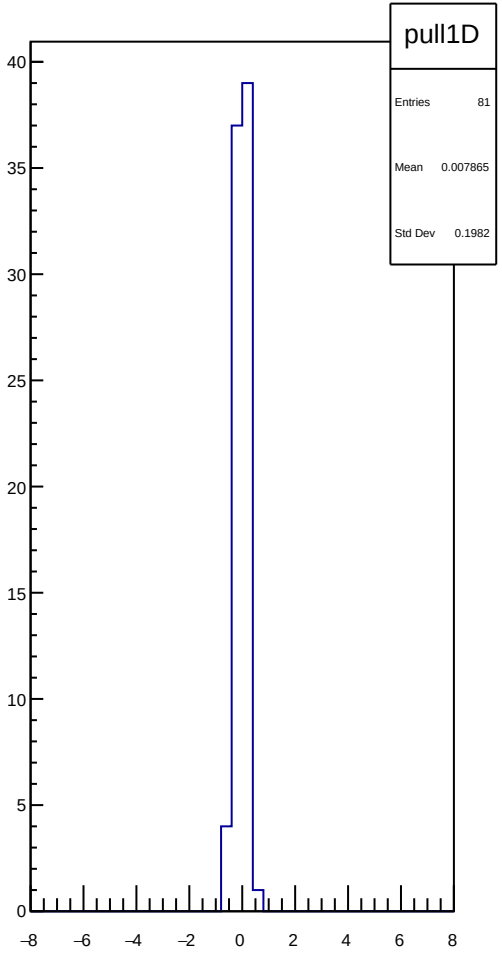

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.722 / 80
p0 −7.297 ± 0.8645
pull
Entries 81
Mean −44.49
Std Dev 76.46

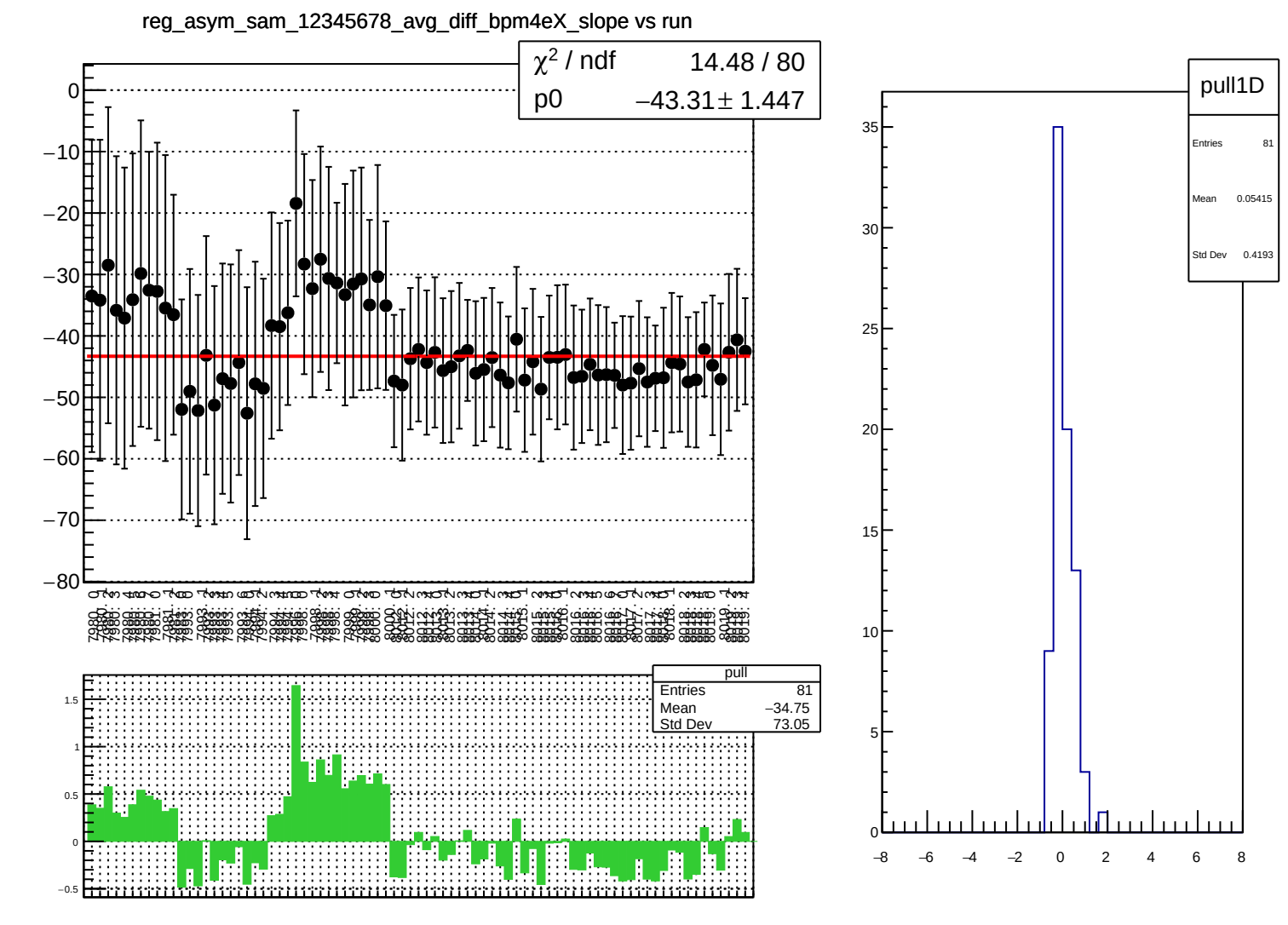

pull1D
Entries 81
Mean 0.01088
Std Dev 0.1454

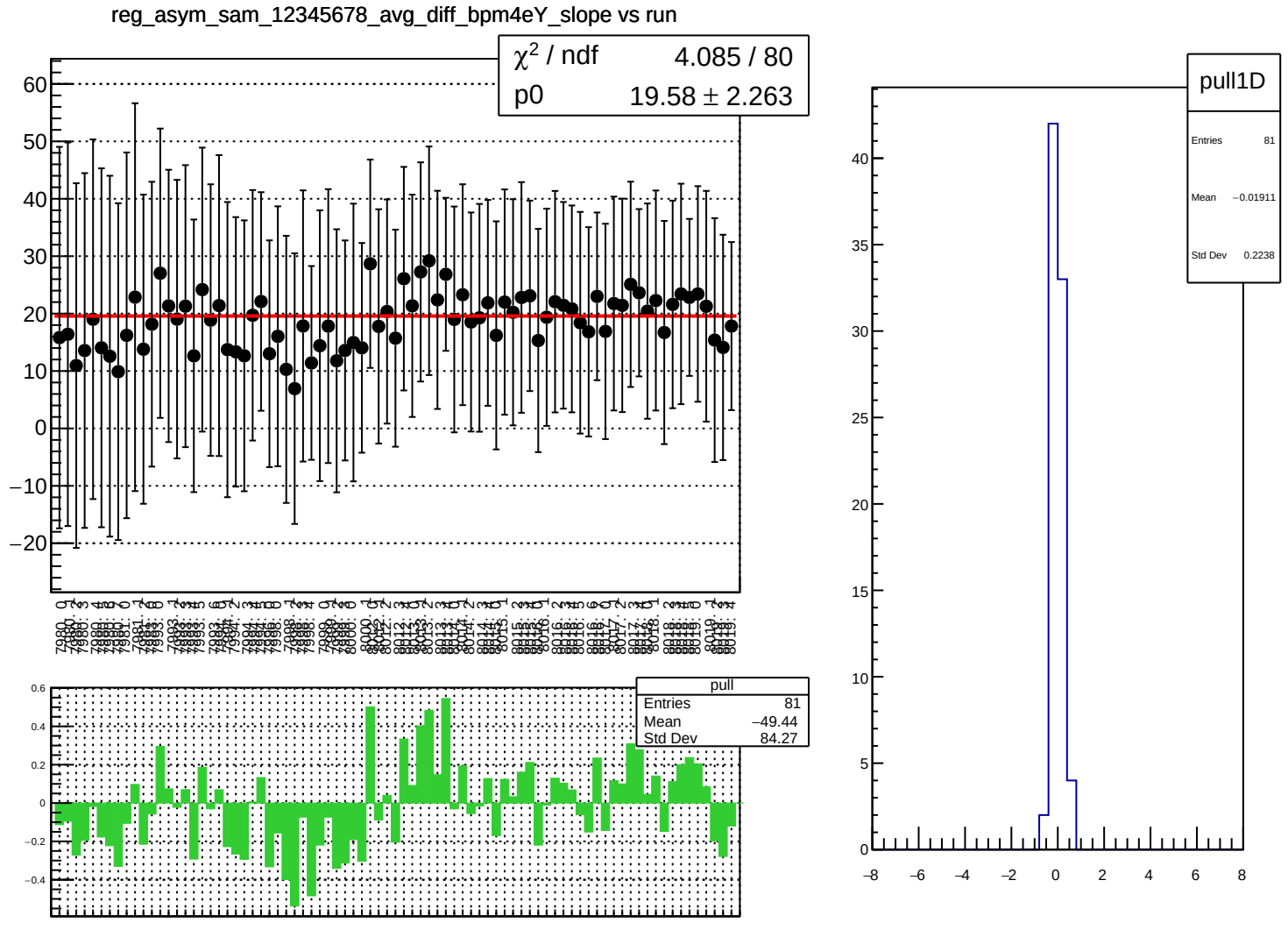

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 110.5 / 80
p0 −0.07411 ± 0.03464
pull
Entries 81
Mean 127.6
Std Dev 84.62
pull1D
Entries 81
Mean −0.2562
Std Dev 1.14

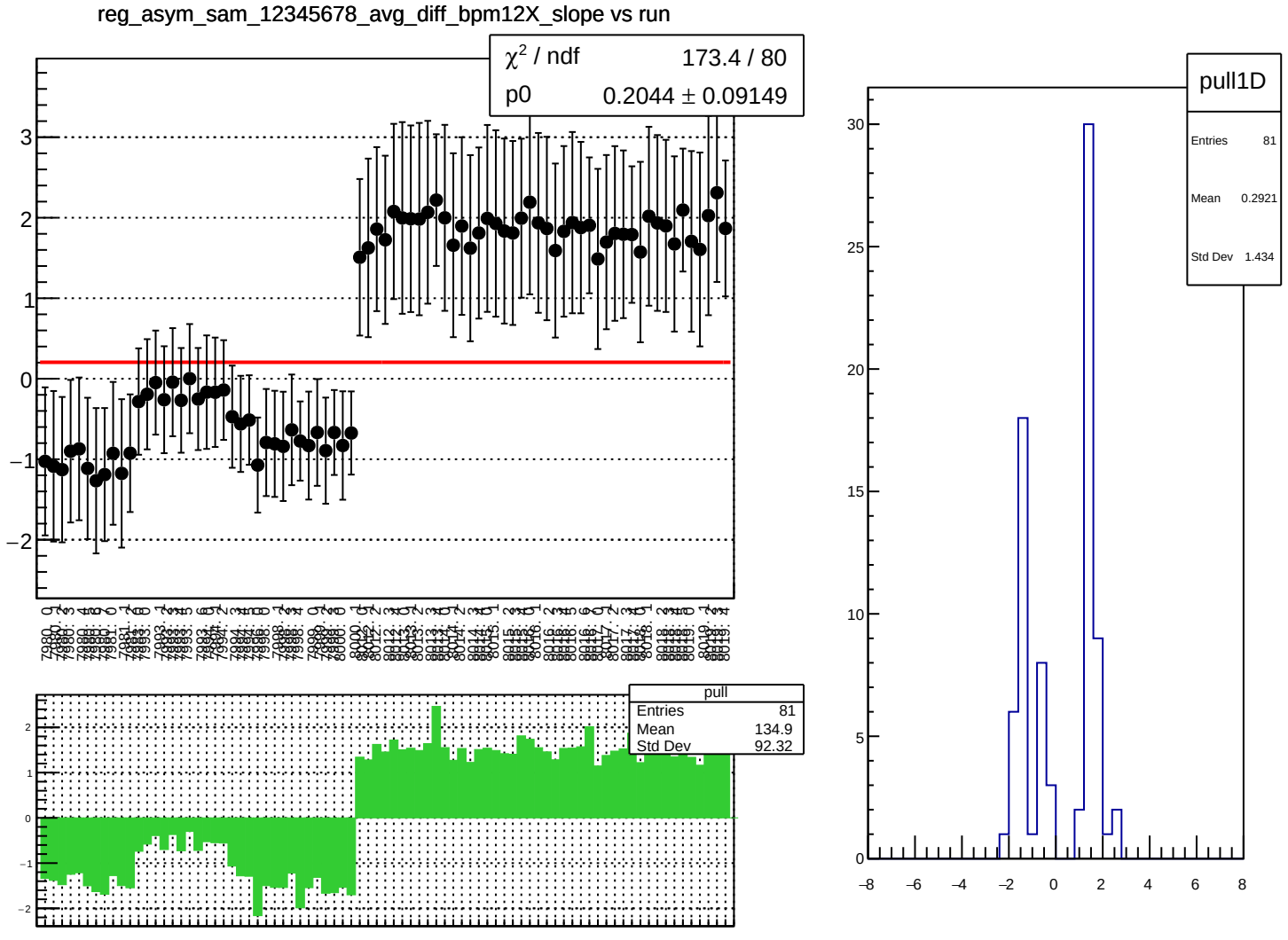

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 43.76 / 80
p0 −11.79 ± 1.406
20
0
−20
−40
−60
−80
pull
Entries 81
Mean −20.96
Std Dev 53.87
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.1908
Std Dev 0.7098
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

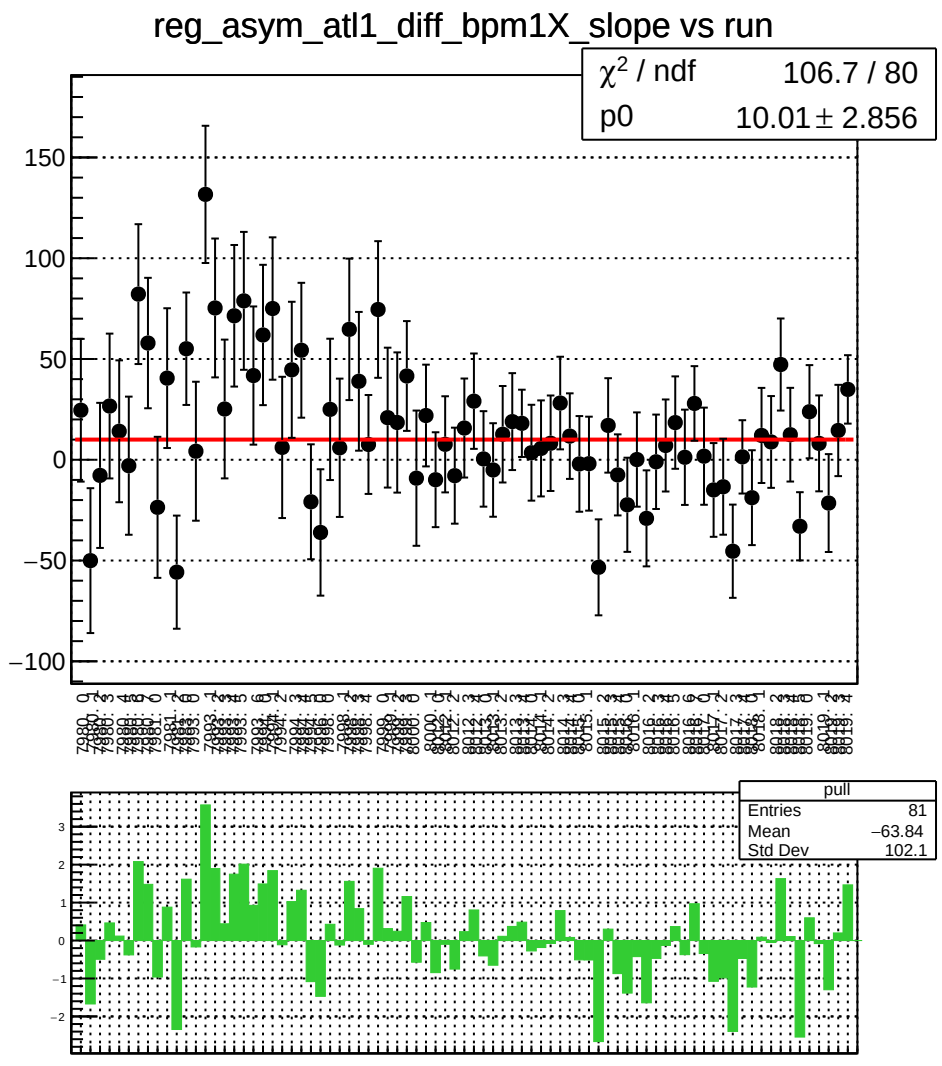

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.186 / 80
p0 14.44 ± 2.09
pull
Entries 81
Mean −3.285
Std Dev 3.048

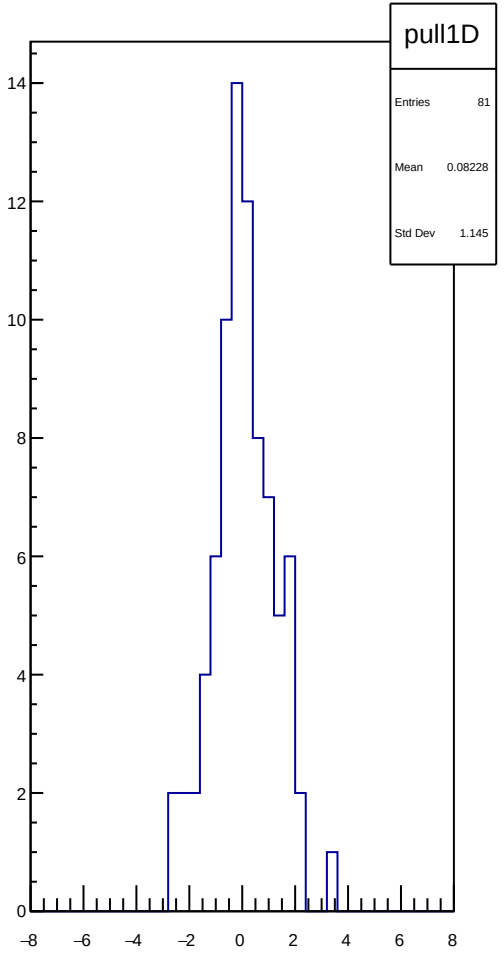

pull1D
Entries 81
Mean 0.007865
Std Dev 0.1982

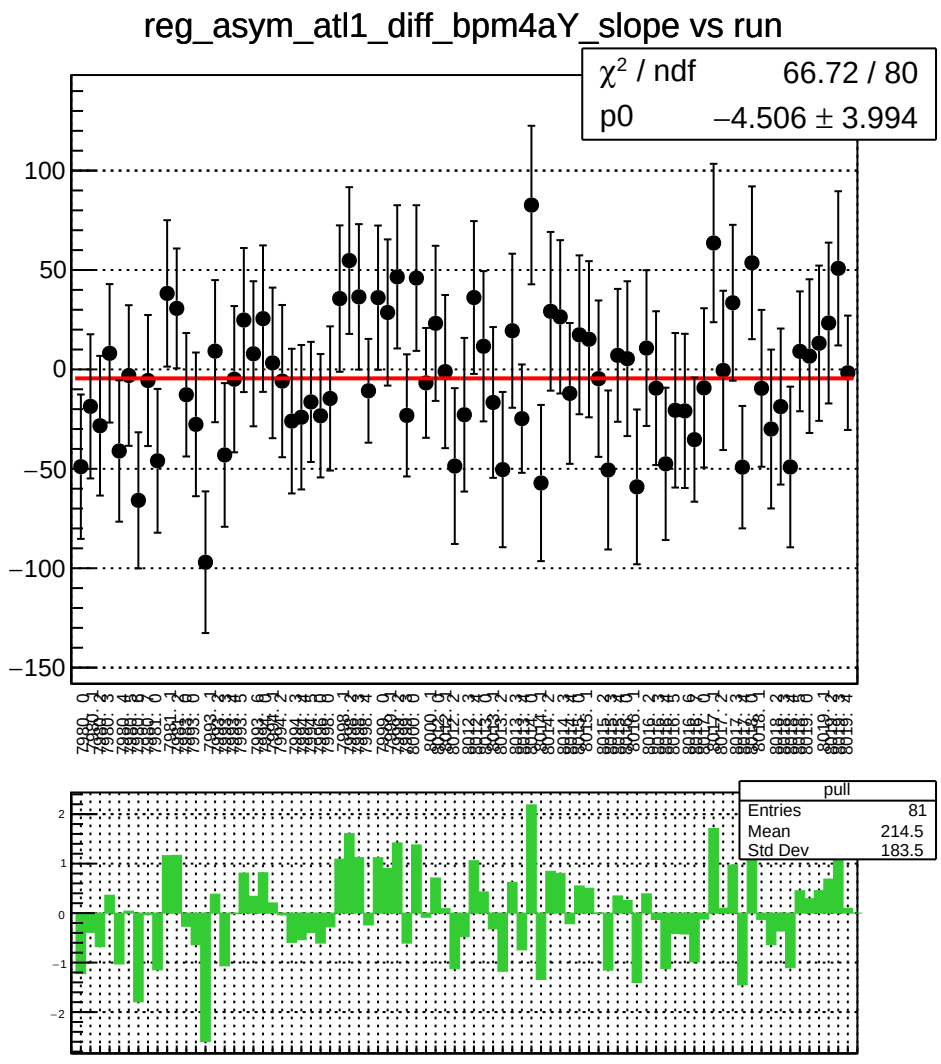

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.48 / 80
p0 −43.31 ± 1.447
pull
Entries 81
Mean −34.75
Std Dev 73.05
pull1D
Entries 81
Mean 0.05415
Std Dev 0.4193

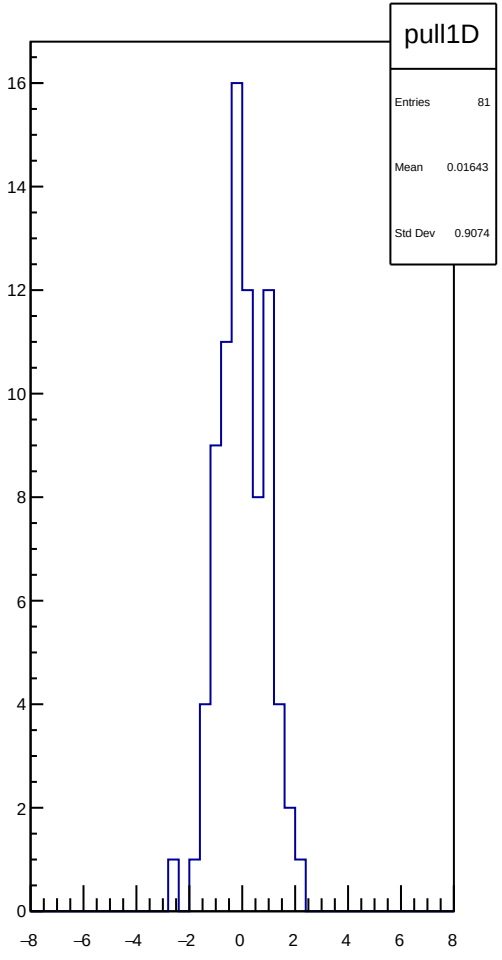

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.085 / 80
p0 19.58 ± 2.263
pull
Entries 81
Mean −49.44
Std Dev 84.27
pull1D
Entries 81
Mean −0.01911
Std Dev 0.2238

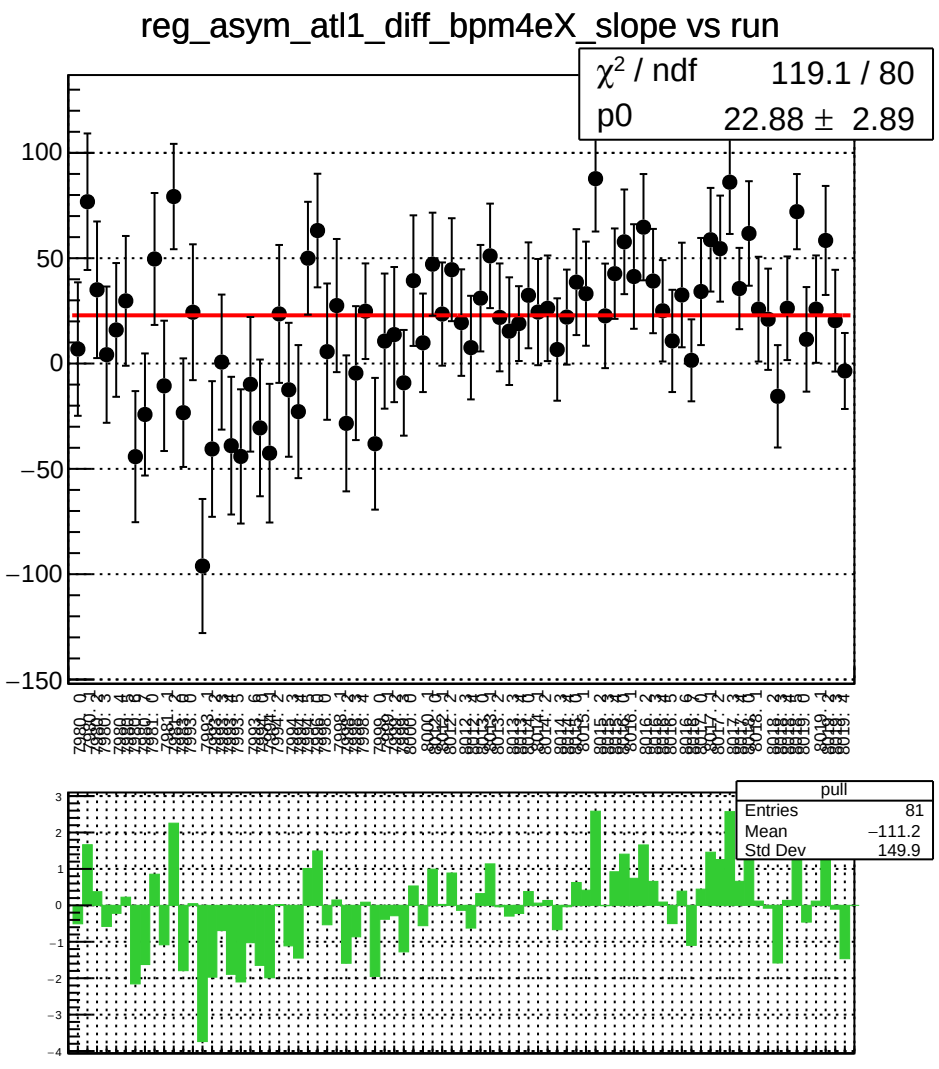

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 173.4 / 80
p0 0.2044 ± 0.09149
pull
Entries 81
Mean 134.9
Std Dev 92.32
pull1D
Entries 81
Mean 0.2921
Std Dev 1.434

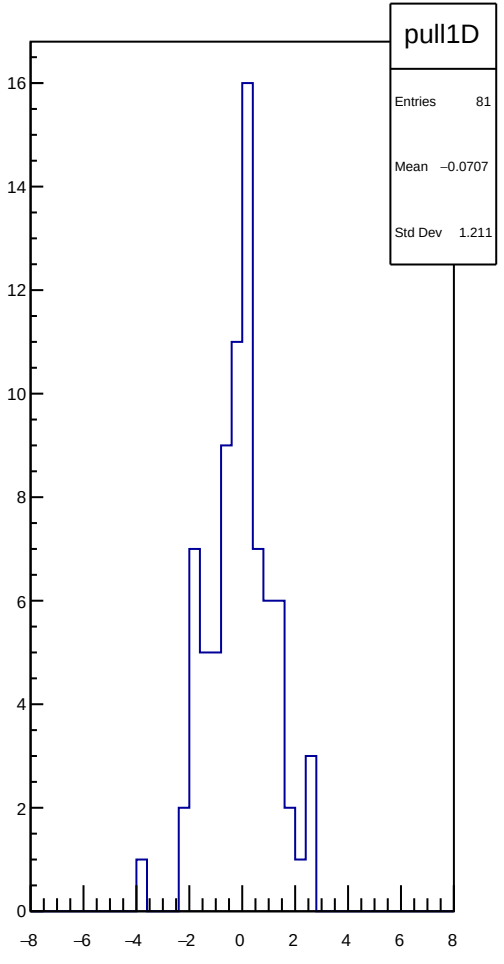

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 106.7 / 80
p0 10.01 ± 2.856
150
100
50
0
−50
−100
pull
Entries 81
Mean −63.84
Std Dev 102.1
3
2
1
0
−1
−2

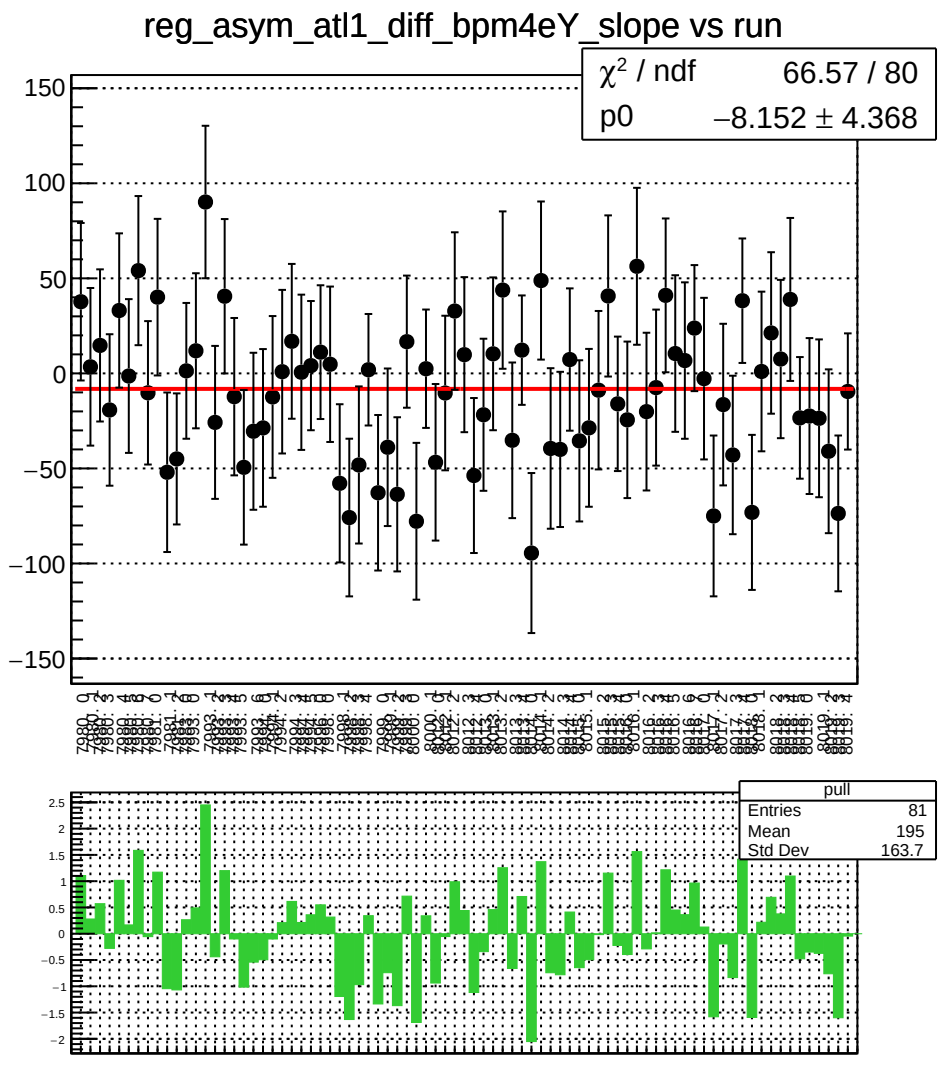

pull1D
Entries 81
Mean 0.08228
Std Dev 1.145
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

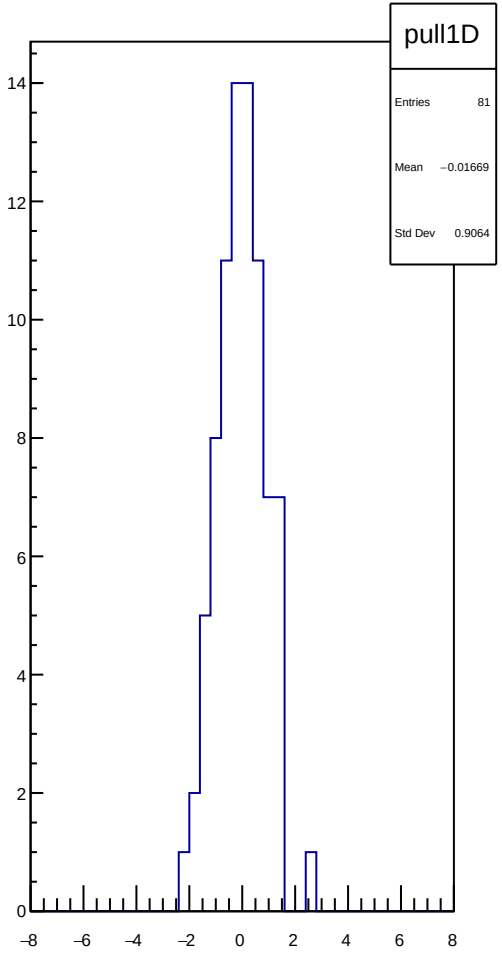

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 66.72 / 80
p0 −4.506 ± 3.994
pull
Entries 81
Mean 214.5
Std Dev 183.5

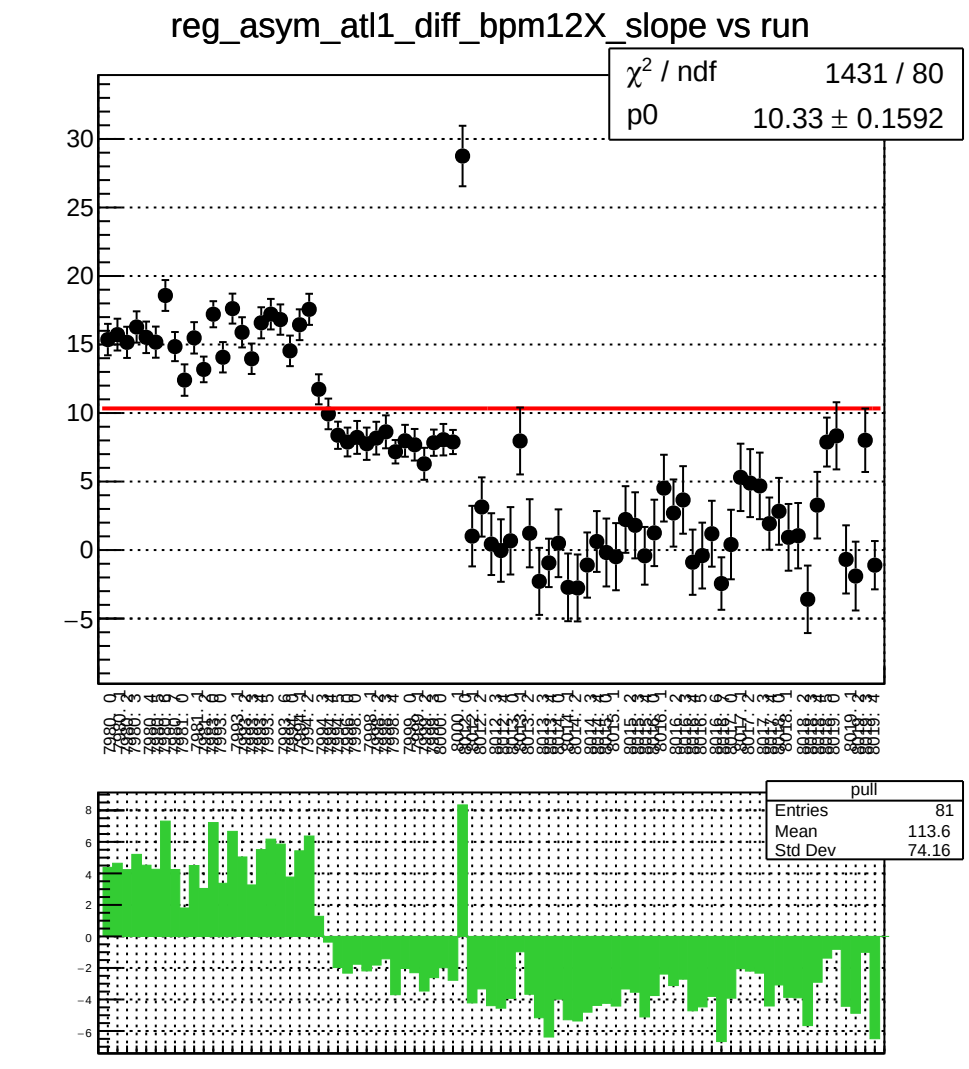

pull1D
Entries 81
Mean 0.01643
Std Dev 0.9074

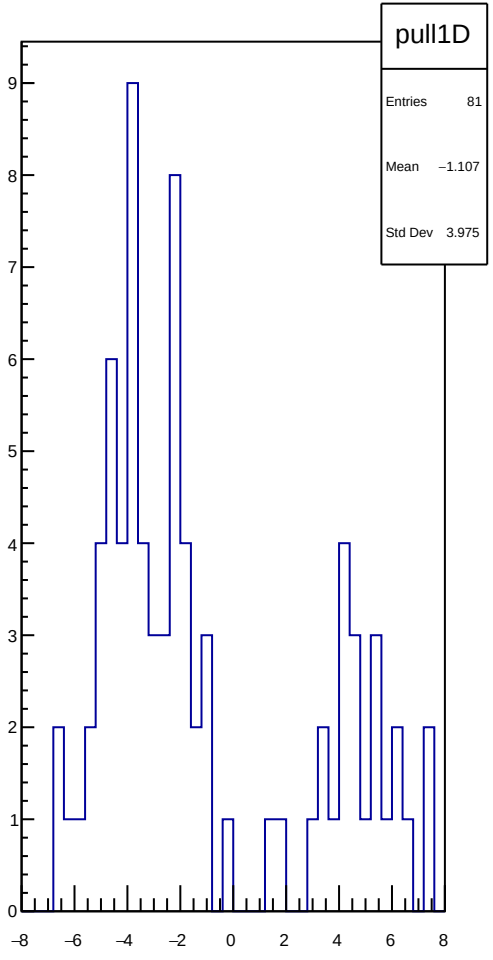

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 119.1 / 80
p0 22.88 ± 2.89
pull
Entries 81
Mean −111.2
Std Dev 149.9

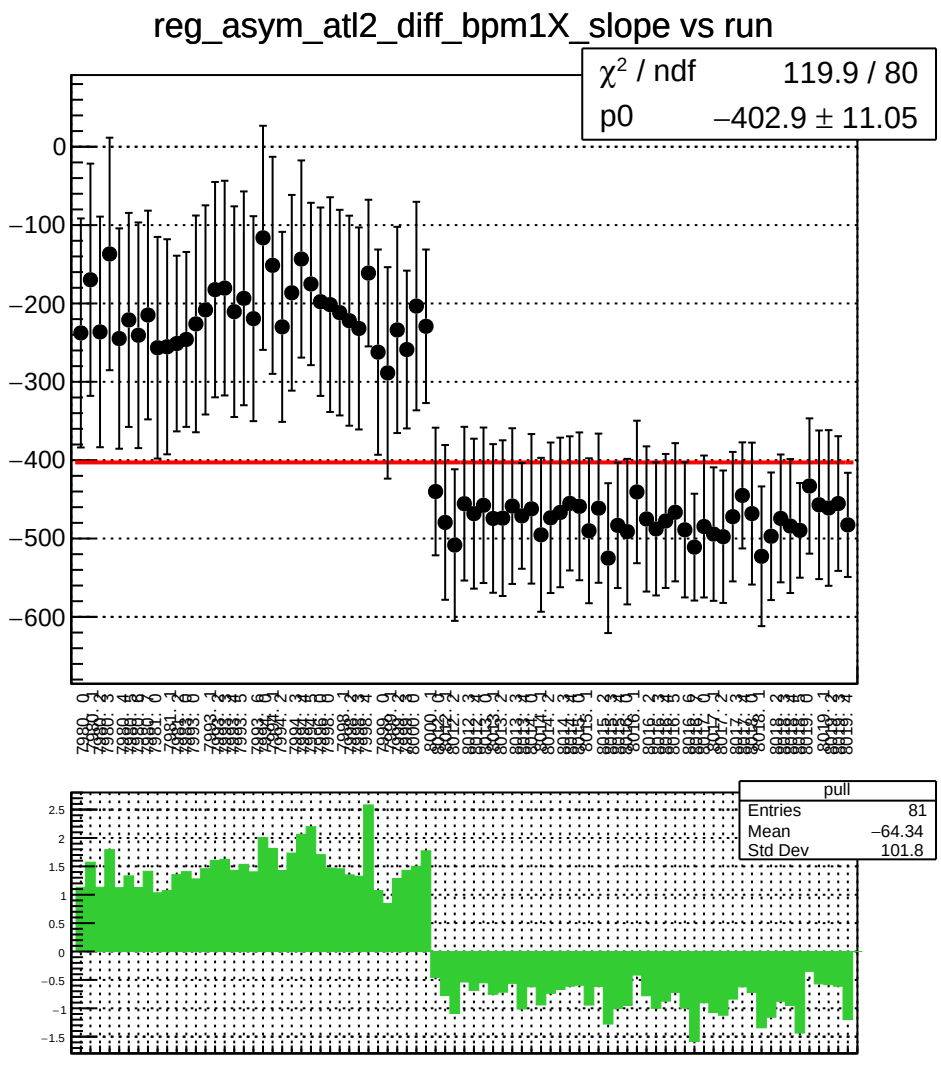

pull1D
Entries 81
Mean −0.0707
Std Dev 1.211

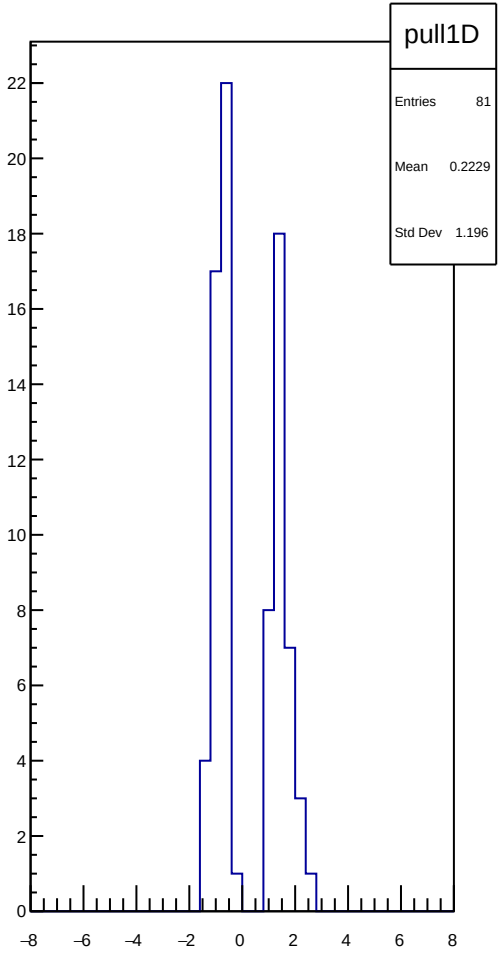

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 66.57 / 80
p0 −8.152 ± 4.368
pull
Entries 81
Mean 195
Std Dev 163.7

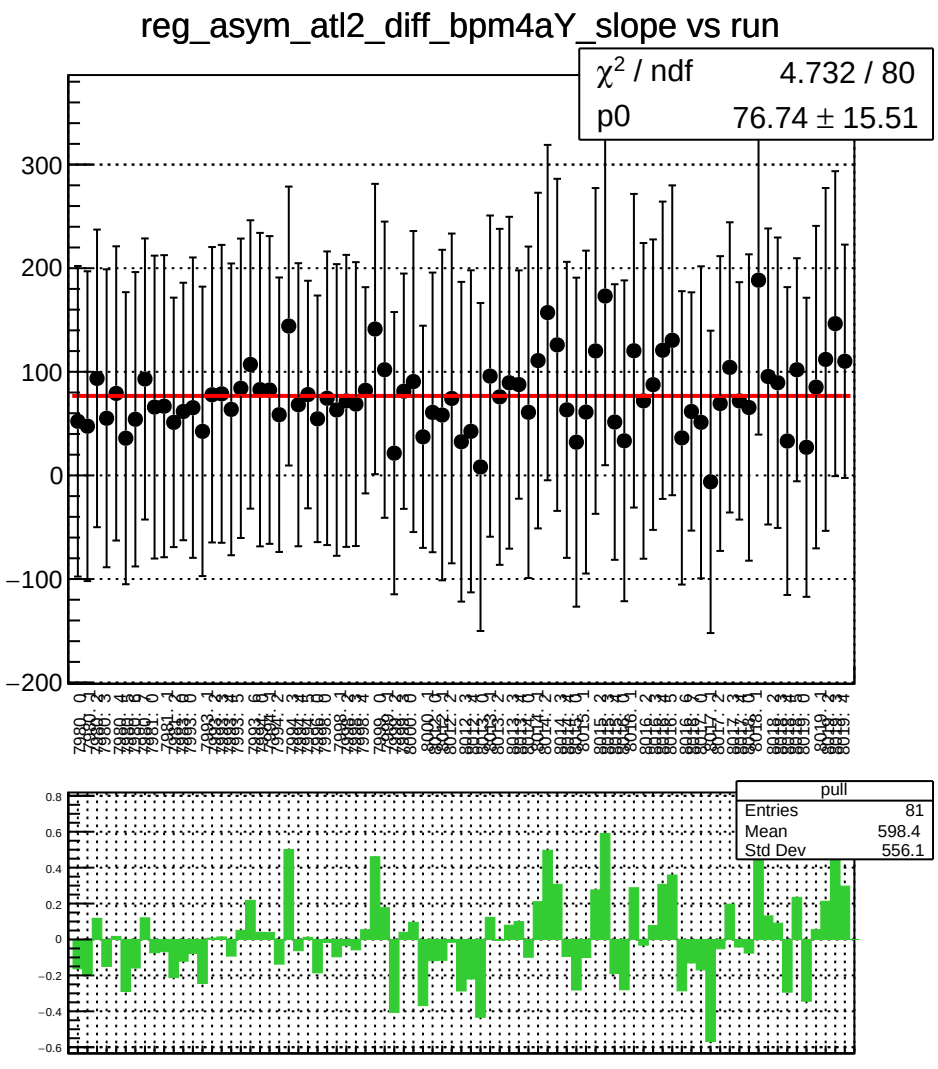

pull1D
Entries 81
Mean −0.01669
Std Dev 0.9064

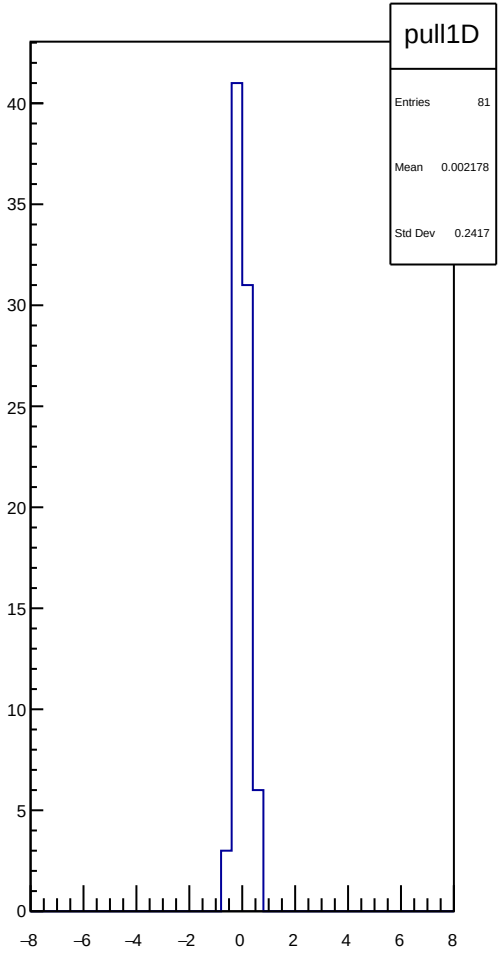

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 1431 / 80
p0 10.33 ± 0.1592
pull
Entries 81
Mean 113.6
Std Dev 74.16

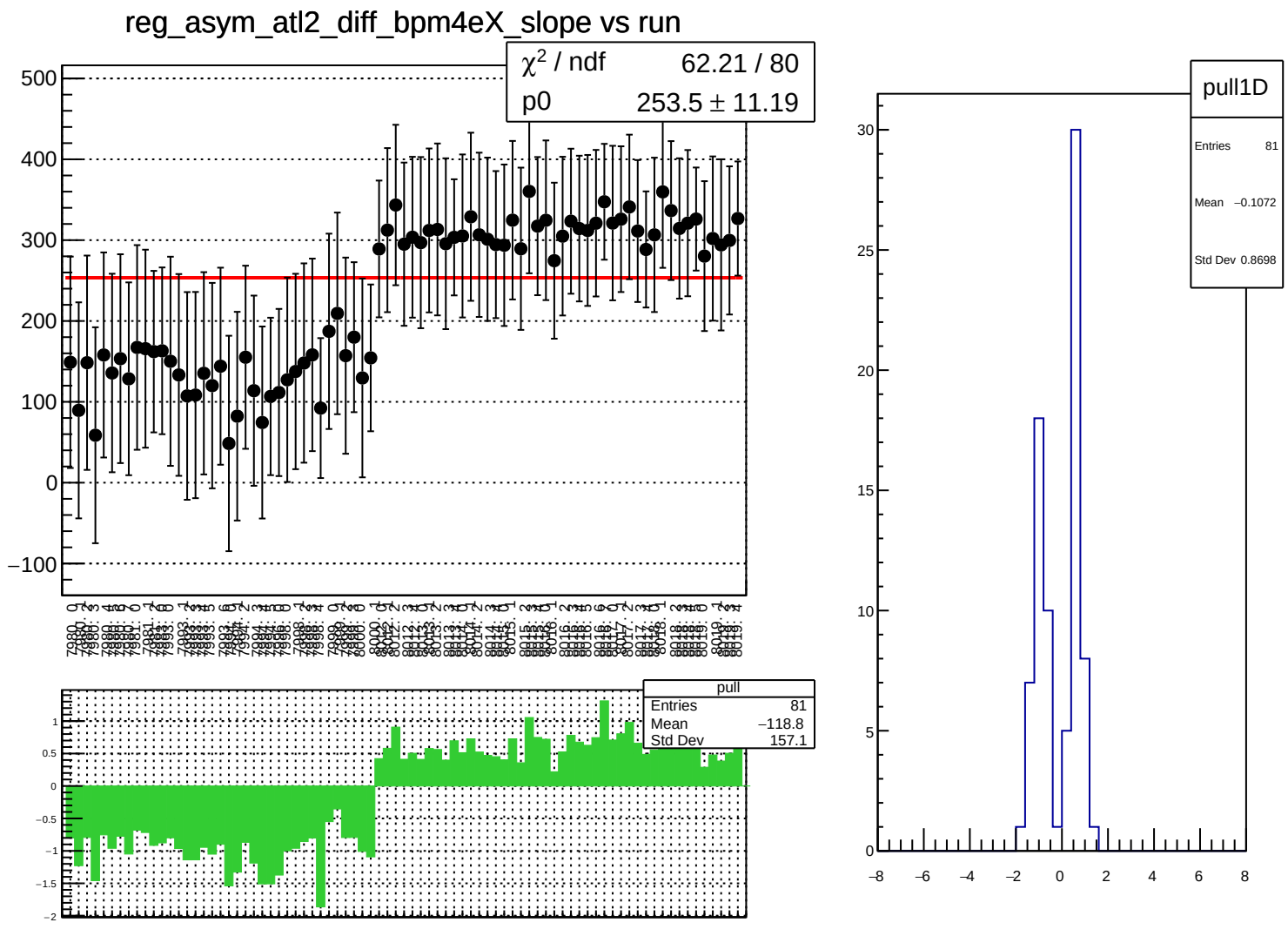

pull1D
Entries 81
Mean −1.107
Std Dev 3.975

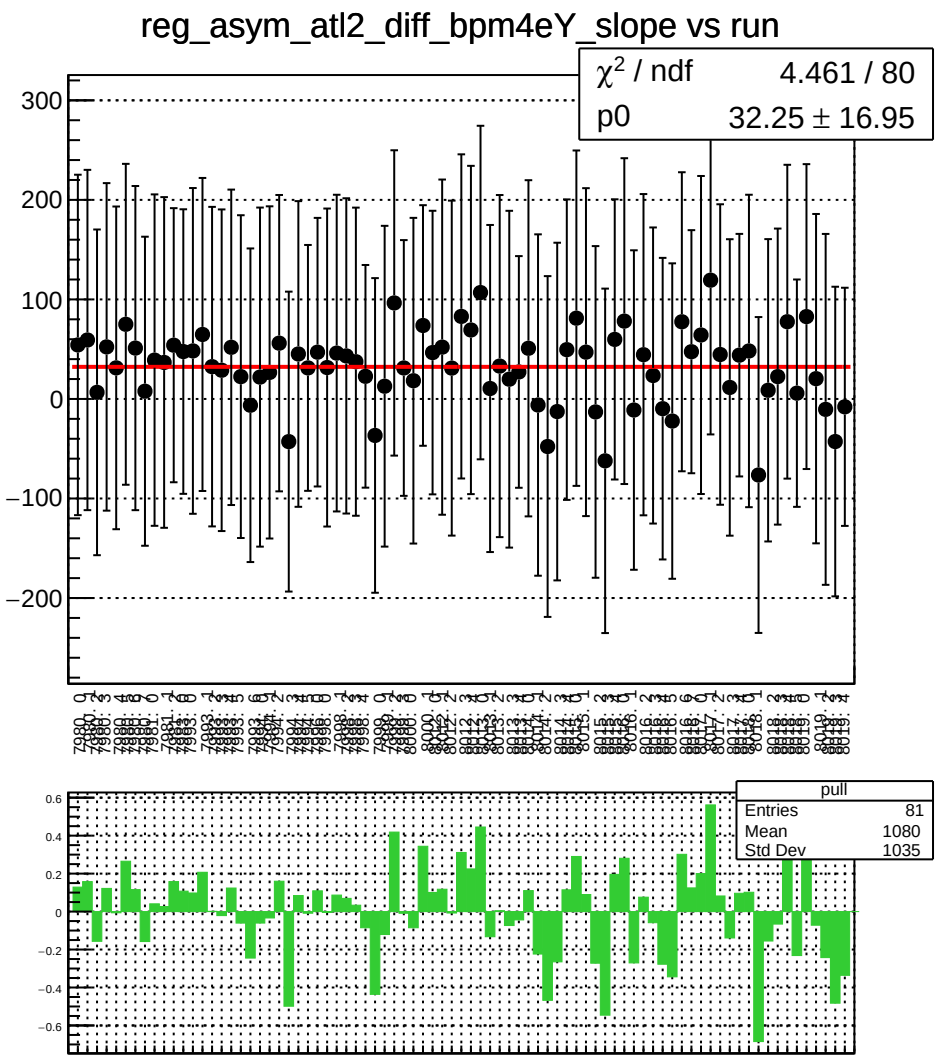

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 119.9 / 80
p0 −402.9 ± 11.05
pull
Entries 81
Mean −64.34
Std Dev 101.8

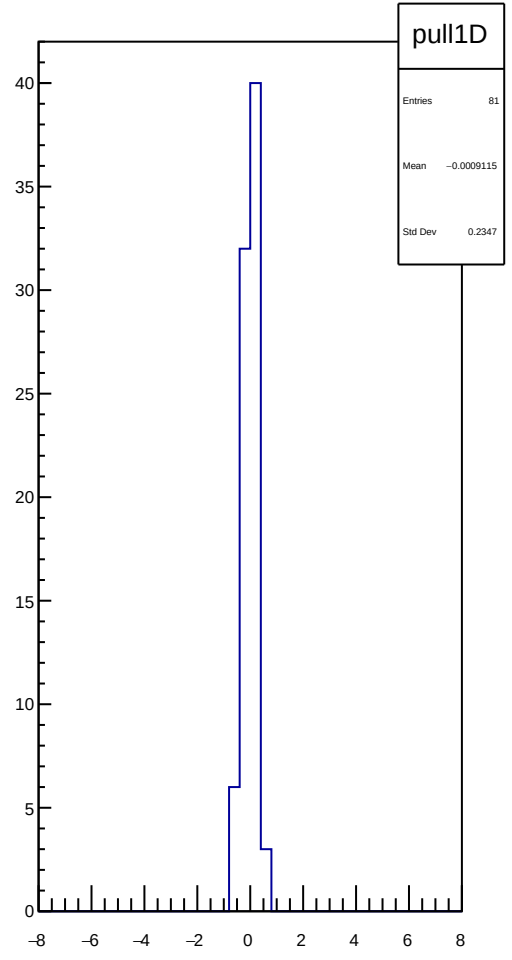

pull1D
Entries 81
Mean 0.2229
Std Dev 1.196

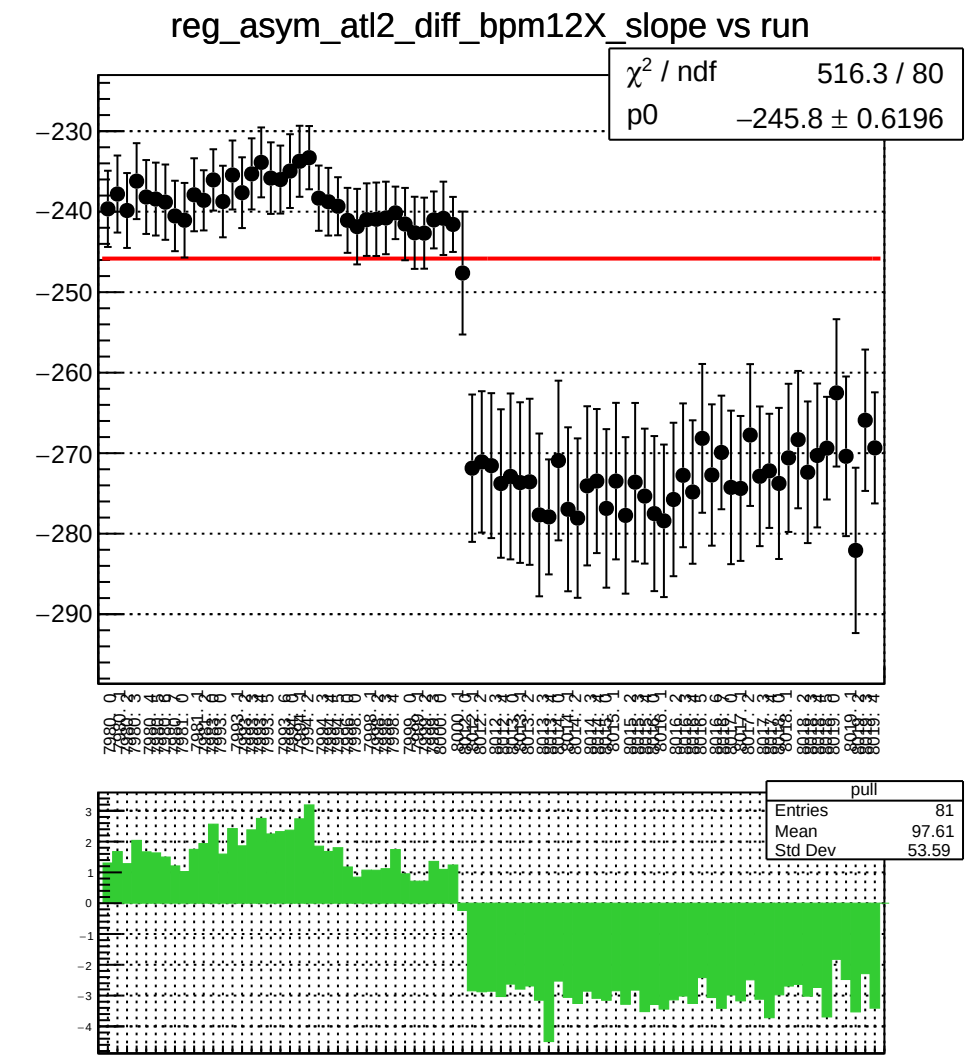

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.732 / 80
p0 76.74 ± 15.51
pull
Entries 81
Mean 598.4
Std Dev 556.1

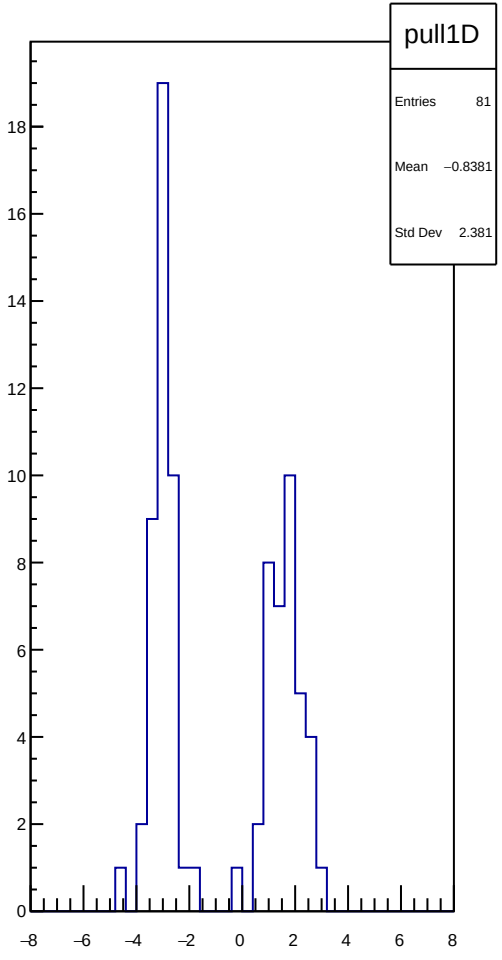

pull1D
Entries 81
Mean 0.002178
Std Dev 0.2417

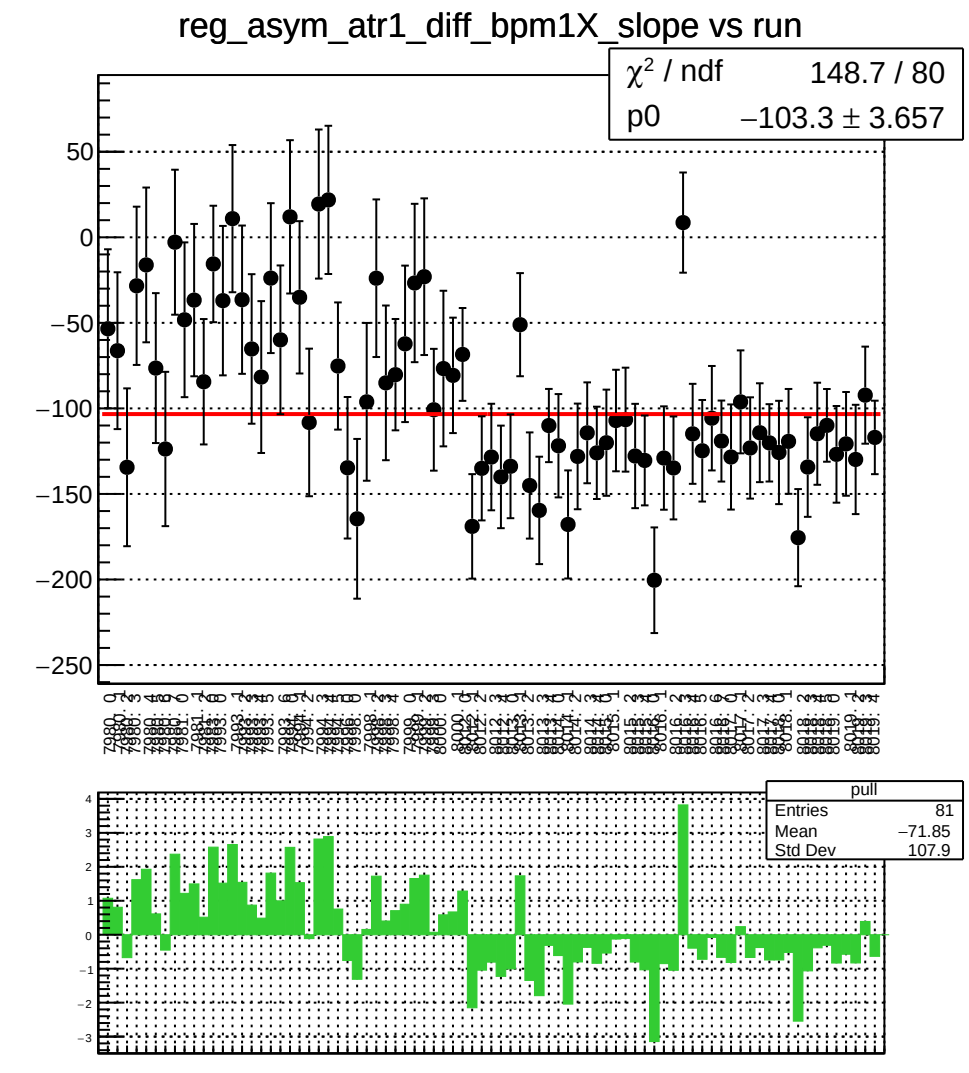

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 62.21 / 80
p0 253.5 ± 11.19
pull
Entries 81
Mean −118.8
Std Dev 157.1
pull1D
Entries 81
Mean −0.1072
Std Dev 0.8698

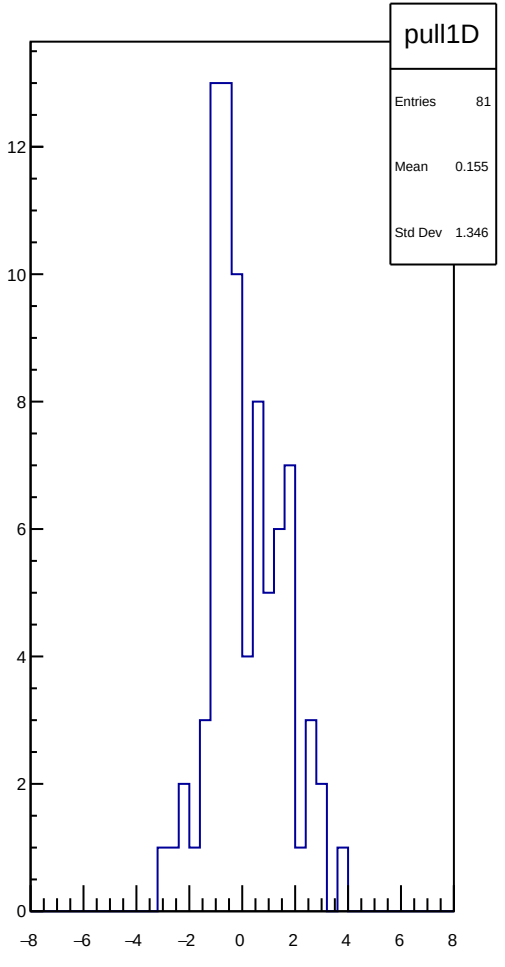

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.461 / 80
p0 32.25 ± 16.95
300
200
100
0
−100
−200
pull
Entries 81
Mean 1080
Std Dev 1035
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

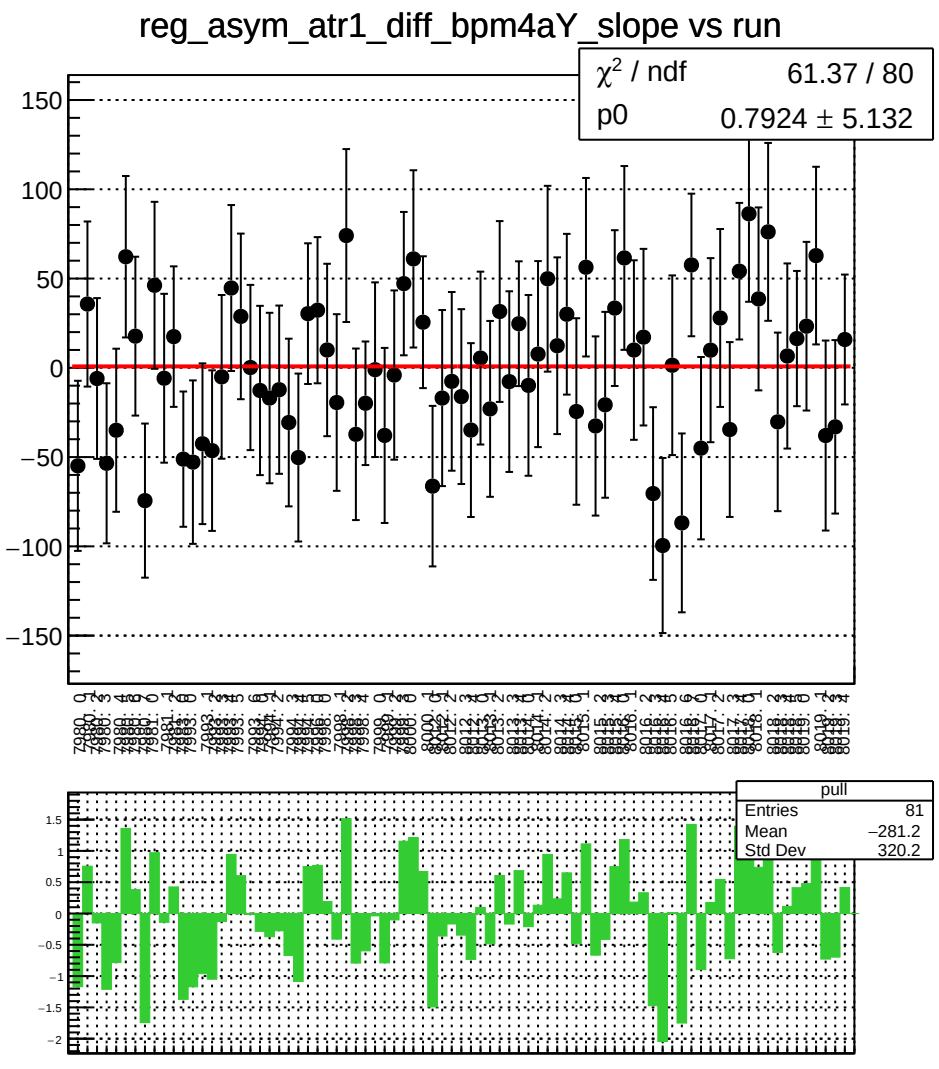

pull1D
Entries 81
Mean −0.0009115
Std Dev 0.2347
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

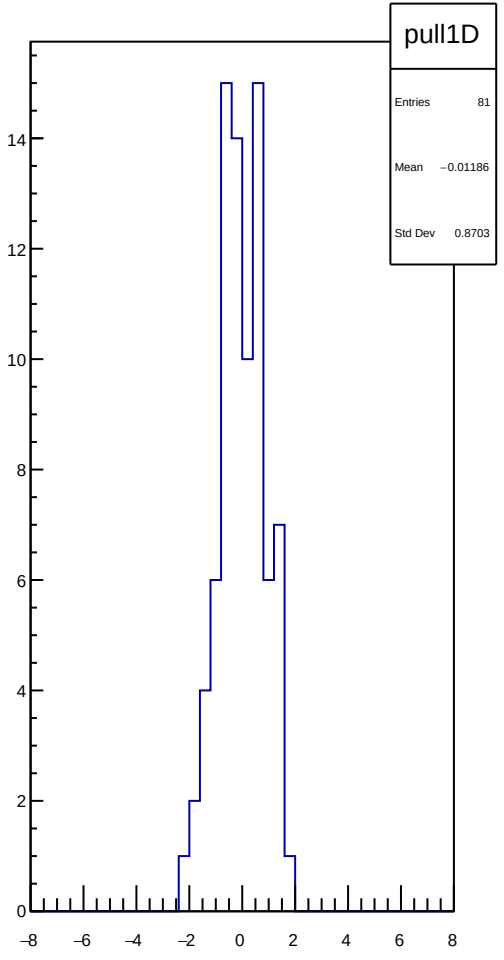

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 516.3 / 80
p0 −245.8 ± 0.6196
−230
−240
−250
−260
−270
−280
−290
pull
Entries 81
Mean 97.61
Std Dev 53.59
3
2
1
0
−1
−2
−3
−4

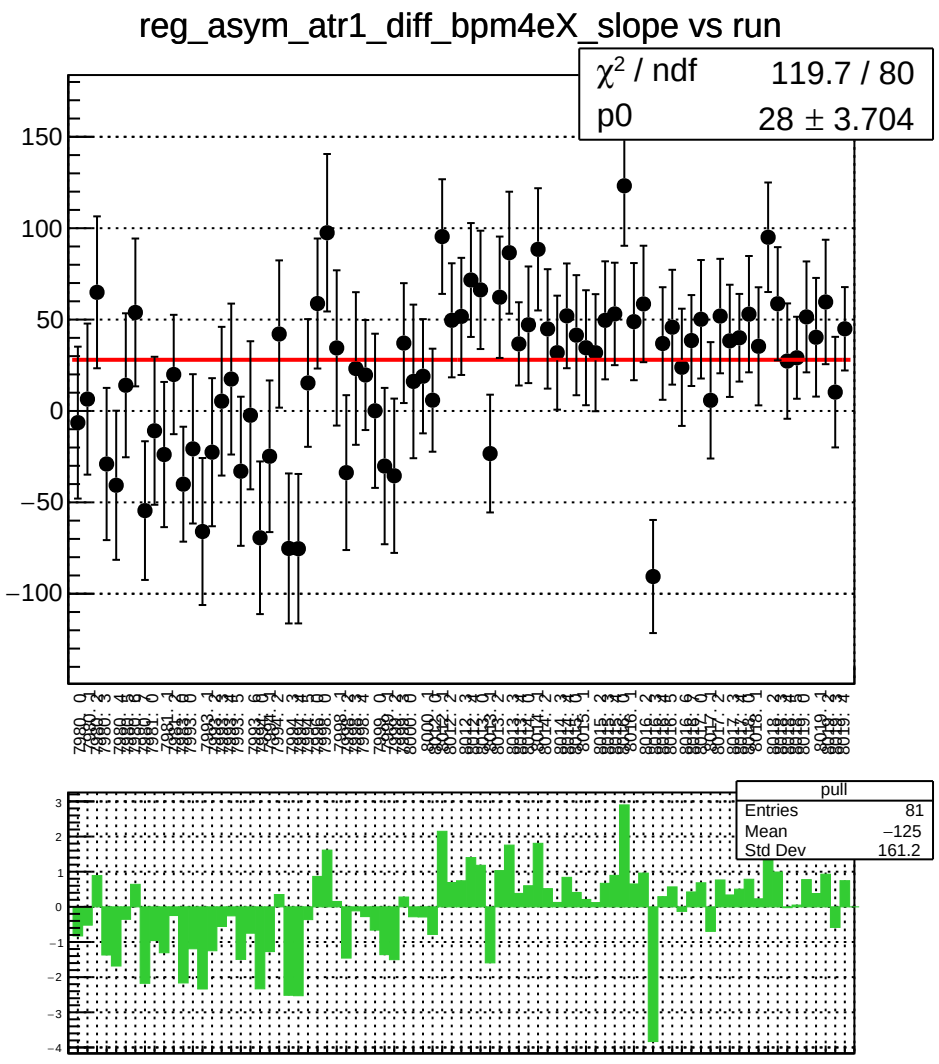

pull1D
Entries 81
Mean −0.8381
Std Dev 2.381
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

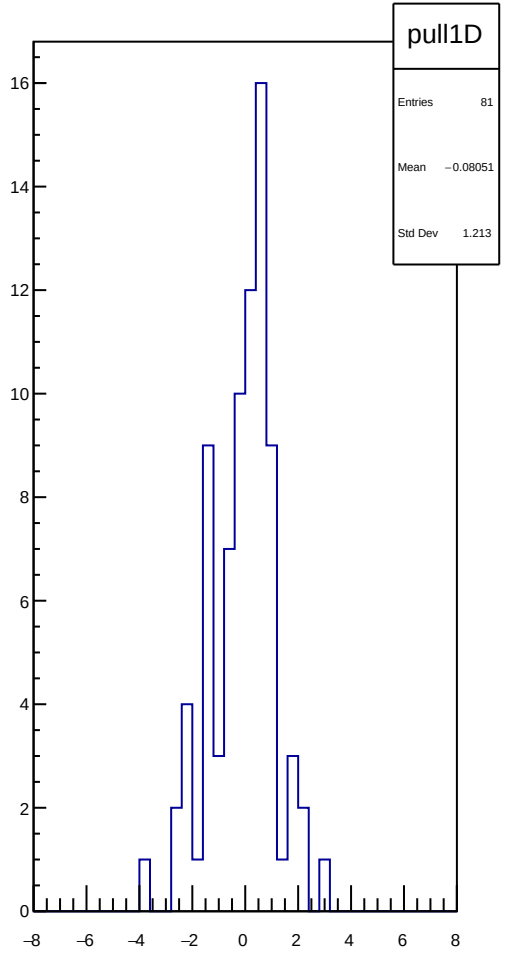

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 148.7 / 80
p0 −103.3 ± 3.657
pull
Entries 81
Mean −71.85
Std Dev 107.9

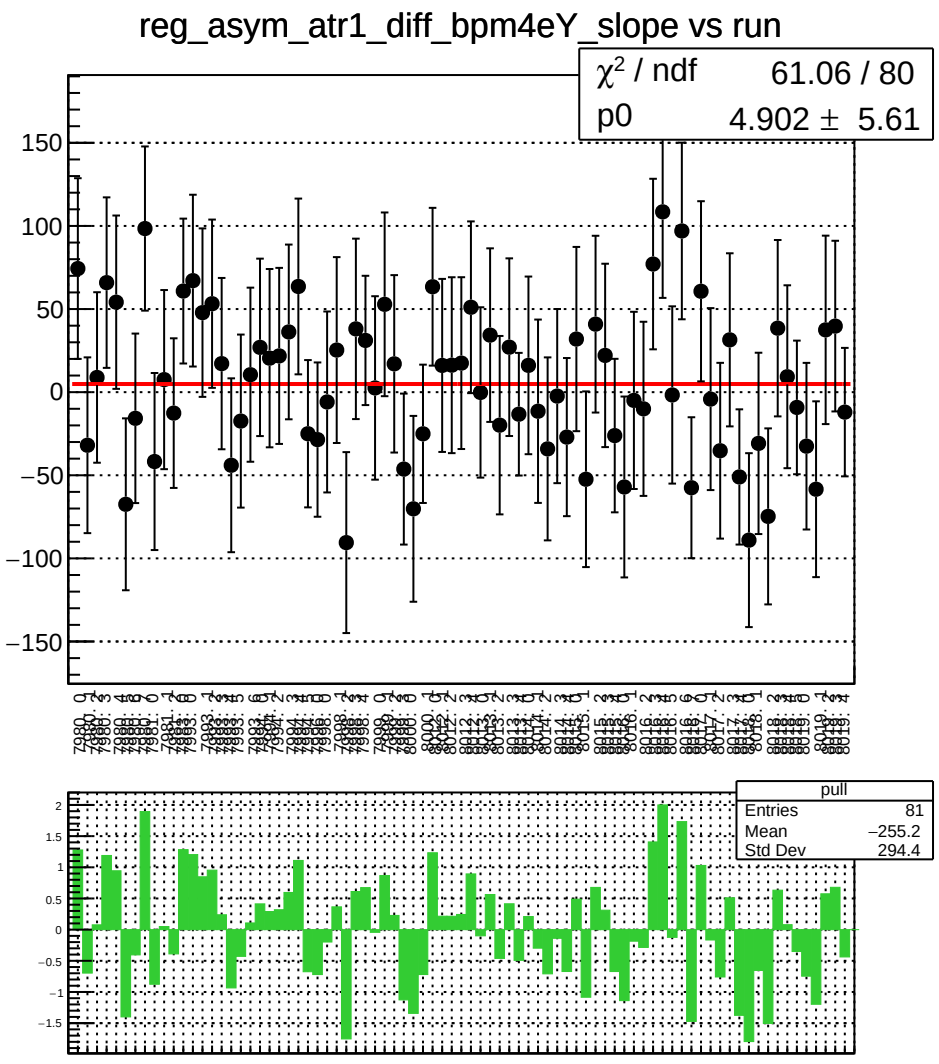

pull1D
Entries 81
Mean 0.155
Std Dev 1.346

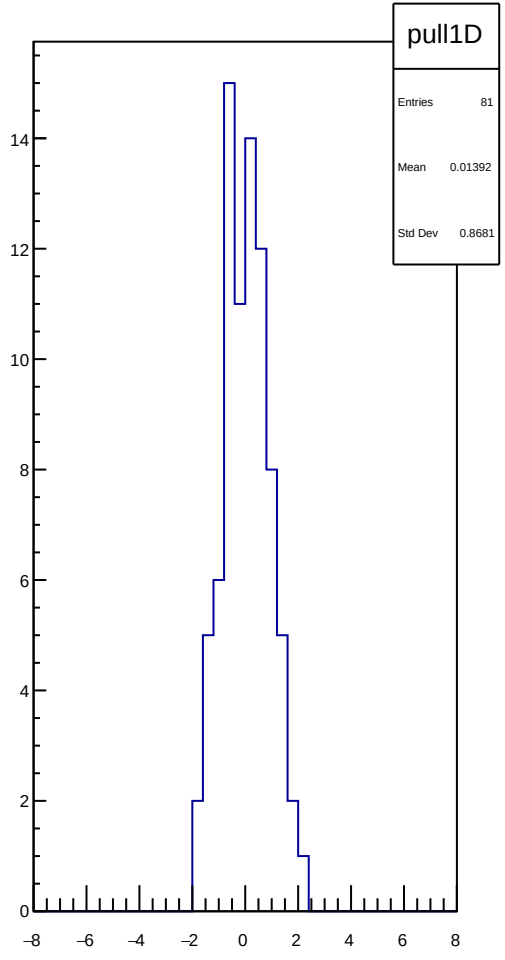

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 61.37 / 80
p0 0.7924 ± 5.132
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −281.2
Std Dev 320.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

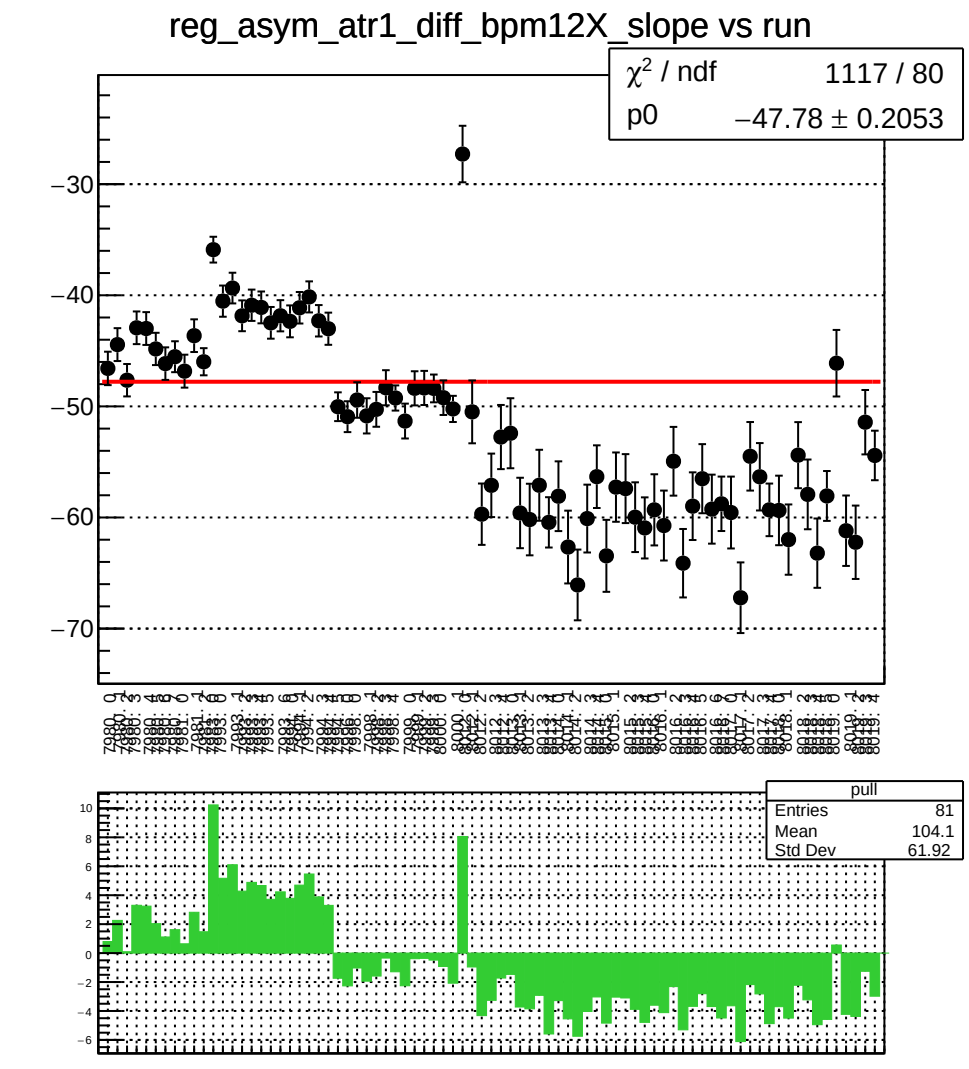

pull1D
Entries 81
Mean −0.01186
Std Dev 0.8703
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

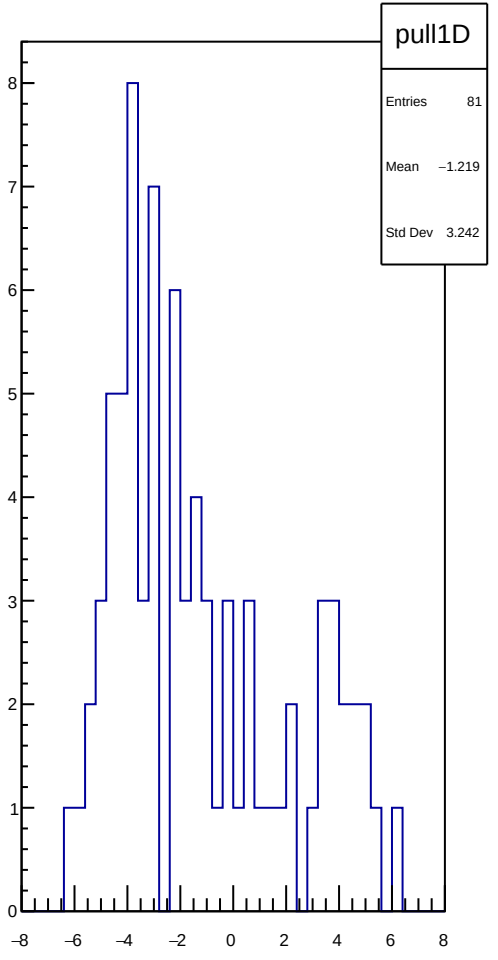

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 119.7 / 80
p0 28 ± 3.704
150
100
50
0
−50
−100
pull
Entries 81
Mean −125
Std Dev 161.2
3
2
1
0
−1
−2
−3
−4

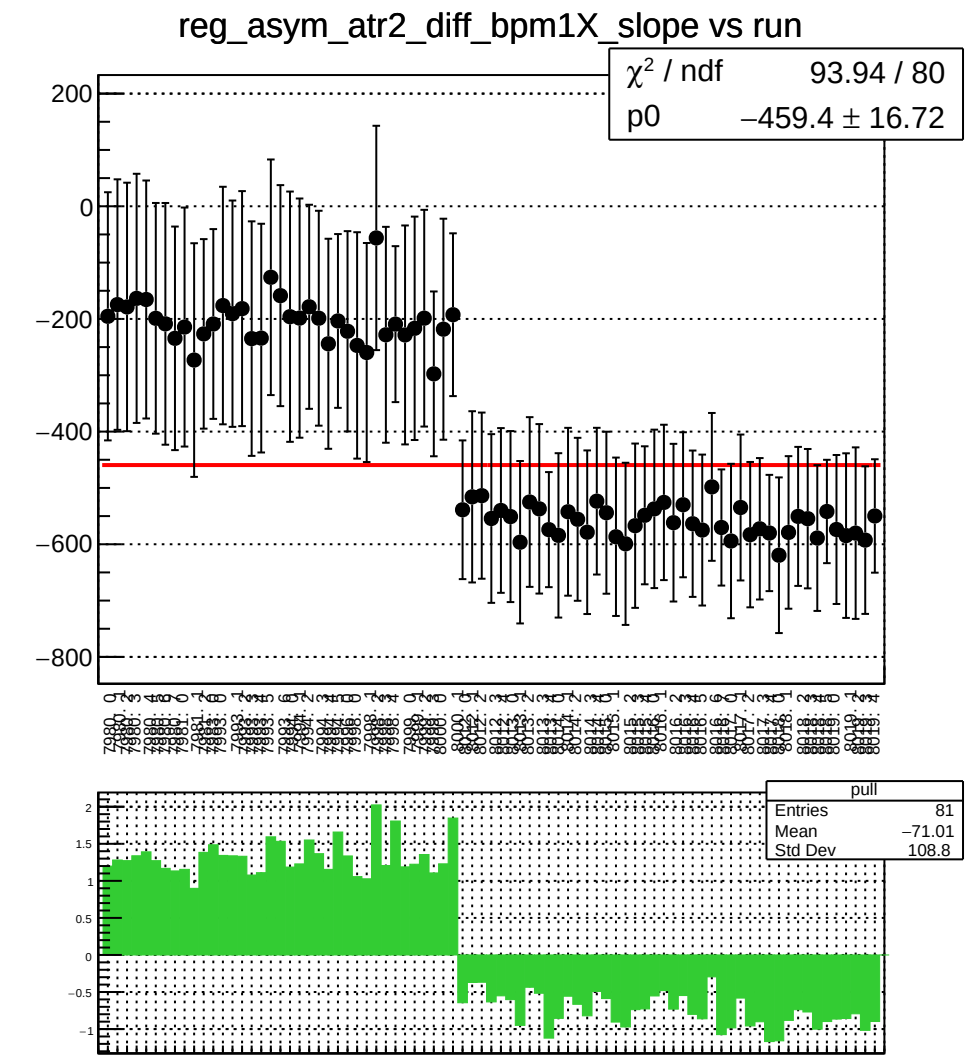

pull1D
Entries 81
Mean −0.08051
Std Dev 1.213
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

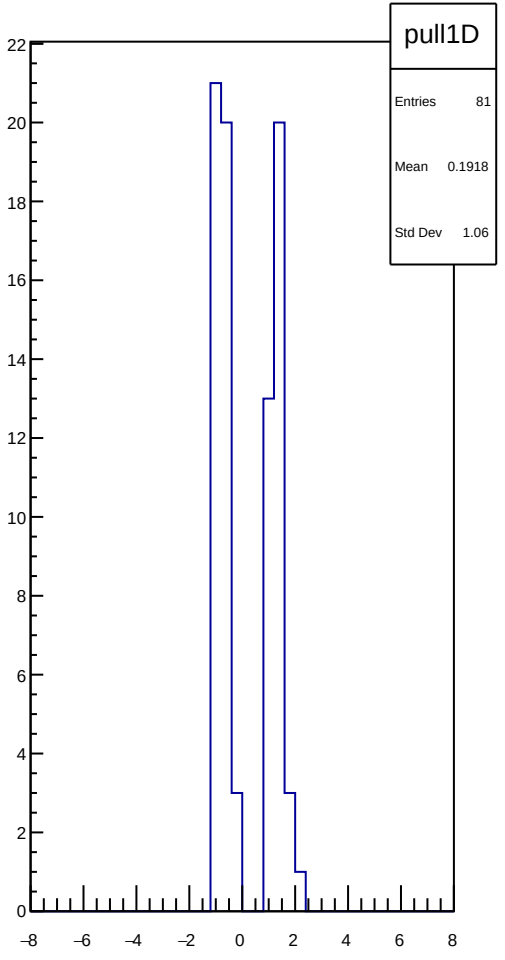

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 61.06 / 80
p0 4.902 ± 5.61
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −255.2
Std Dev 294.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

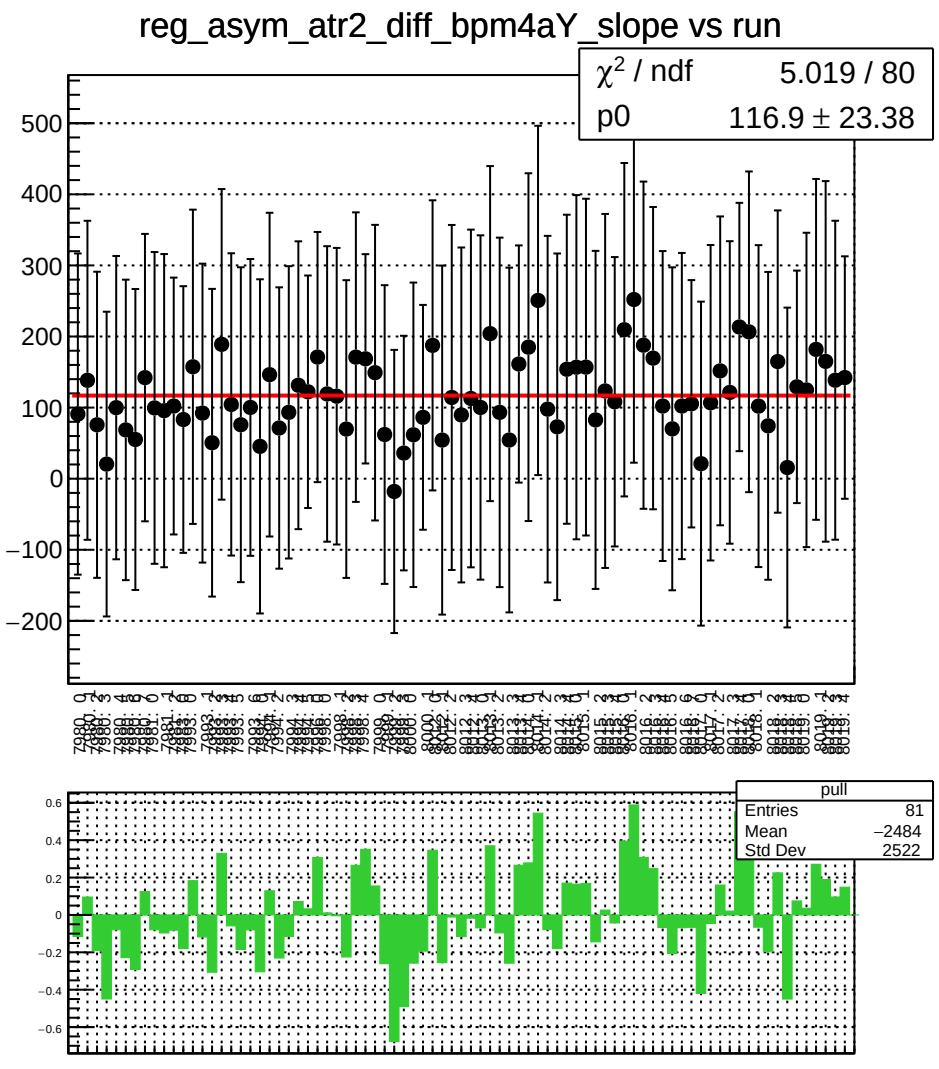

pull1D
Entries 81
Mean 0.01392
Std Dev 0.8681
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

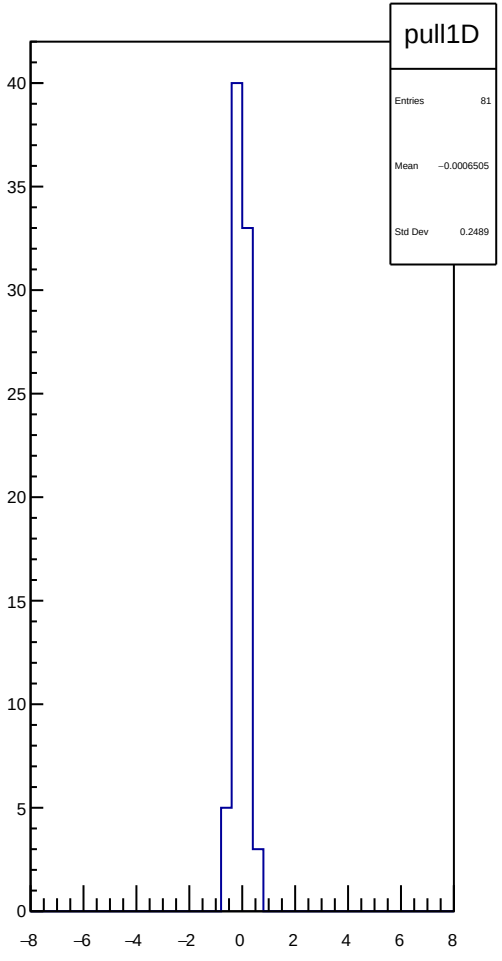

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1117 / 80
p0 −47.78 ± 0.2053
pull
Entries 81
Mean 104.1
Std Dev 61.92

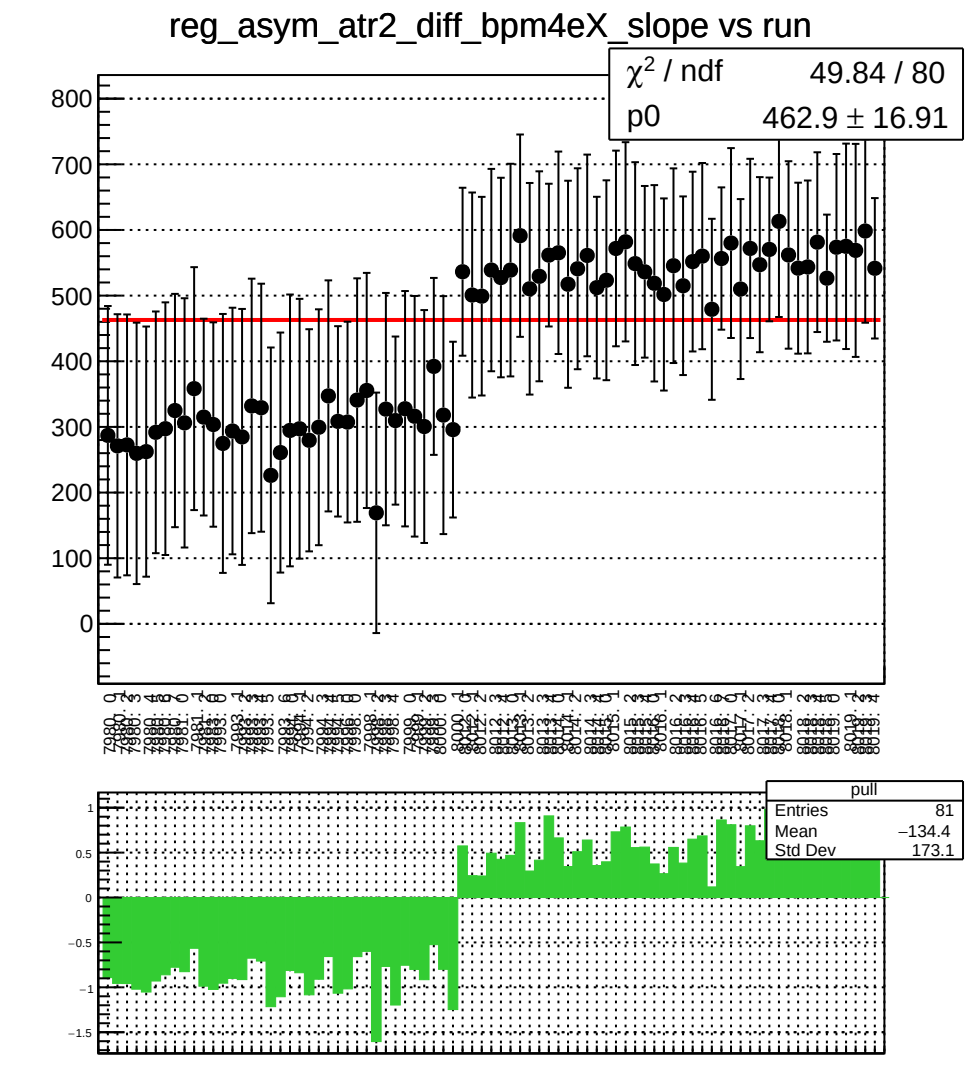

pull1D
Entries 81
Mean −1.219
Std Dev 3.242

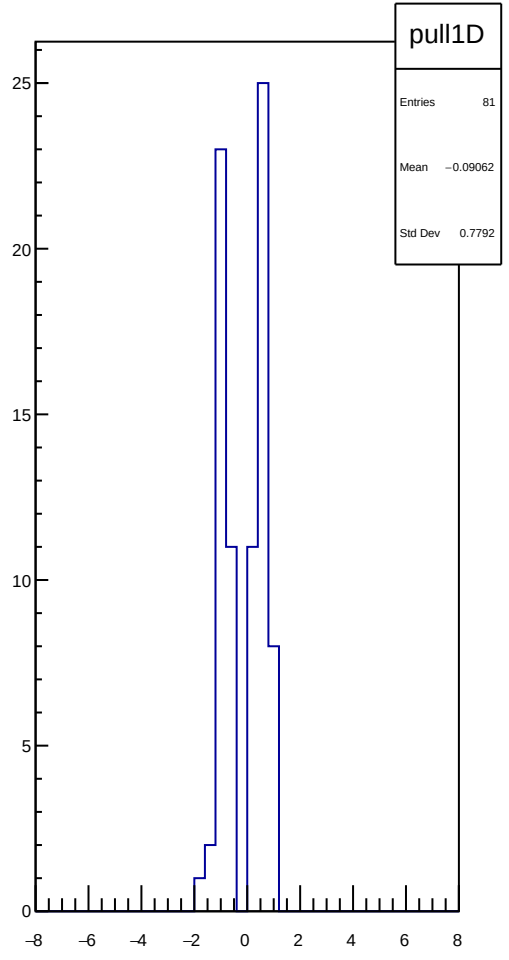

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 93.94 / 80
p0 −459.4 ± 16.72
pull
Entries 81
Mean −71.01
Std Dev 108.8

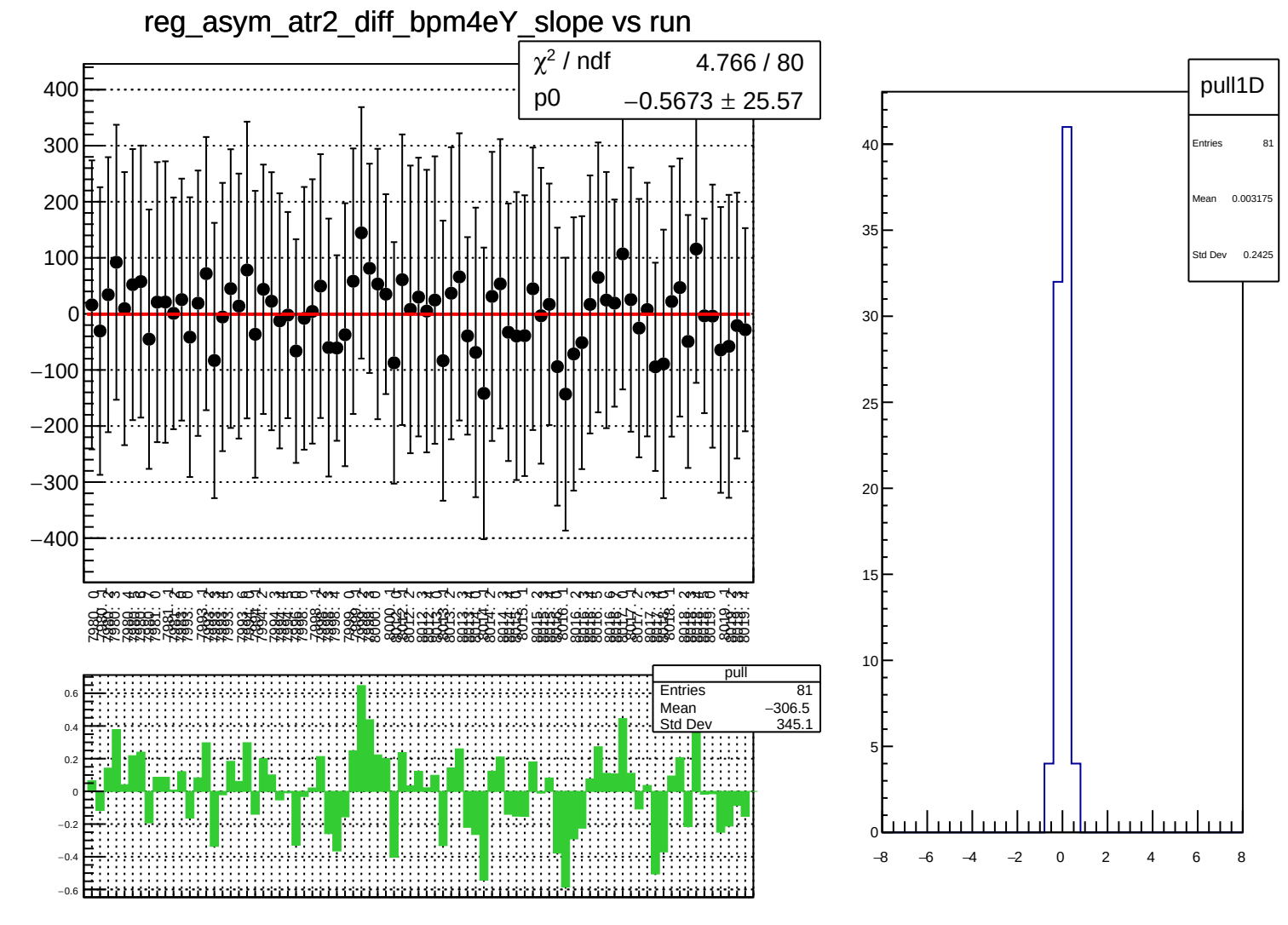

pull1D
Entries 81
Mean 0.1918
Std Dev 1.06

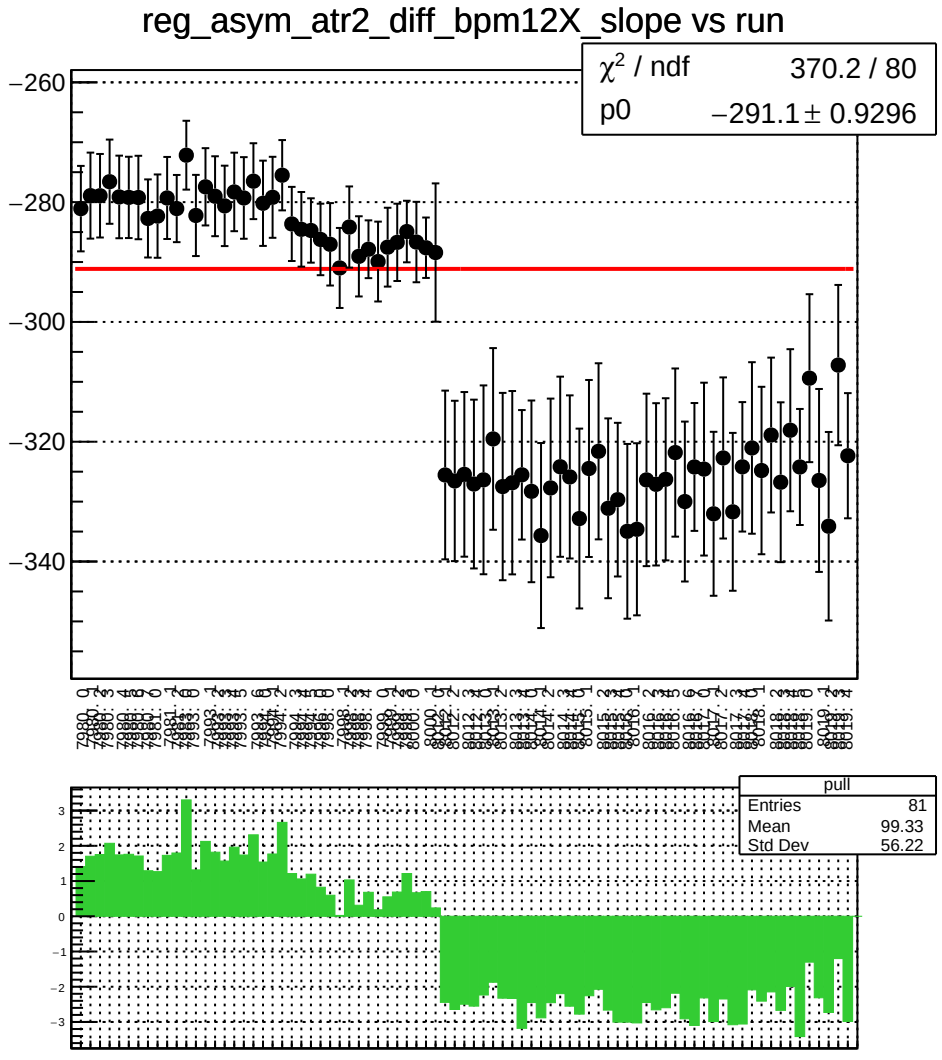

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.019 / 80
p0 116.9 ± 23.38
pull
Entries 81
Mean −2484
Std Dev 2522

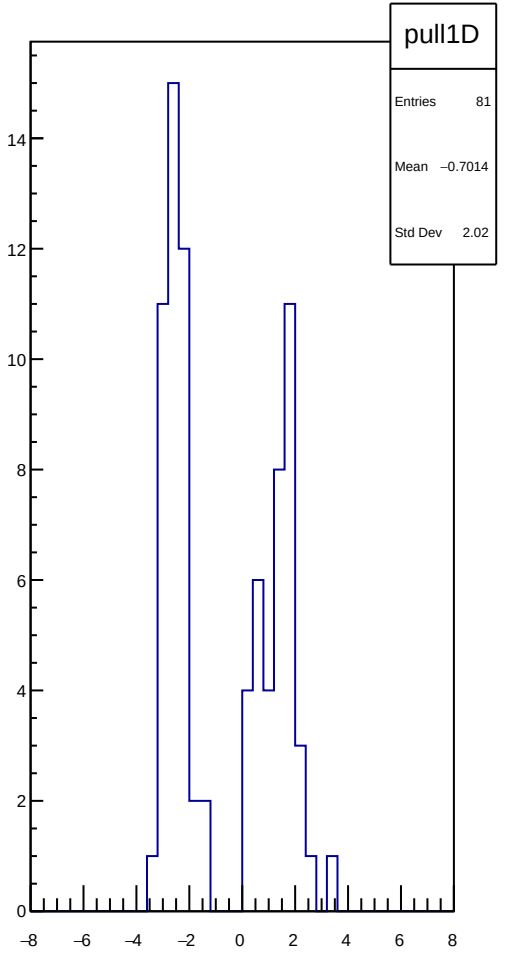

pull1D
Entries 81
Mean −0.0006505
Std Dev 0.2489

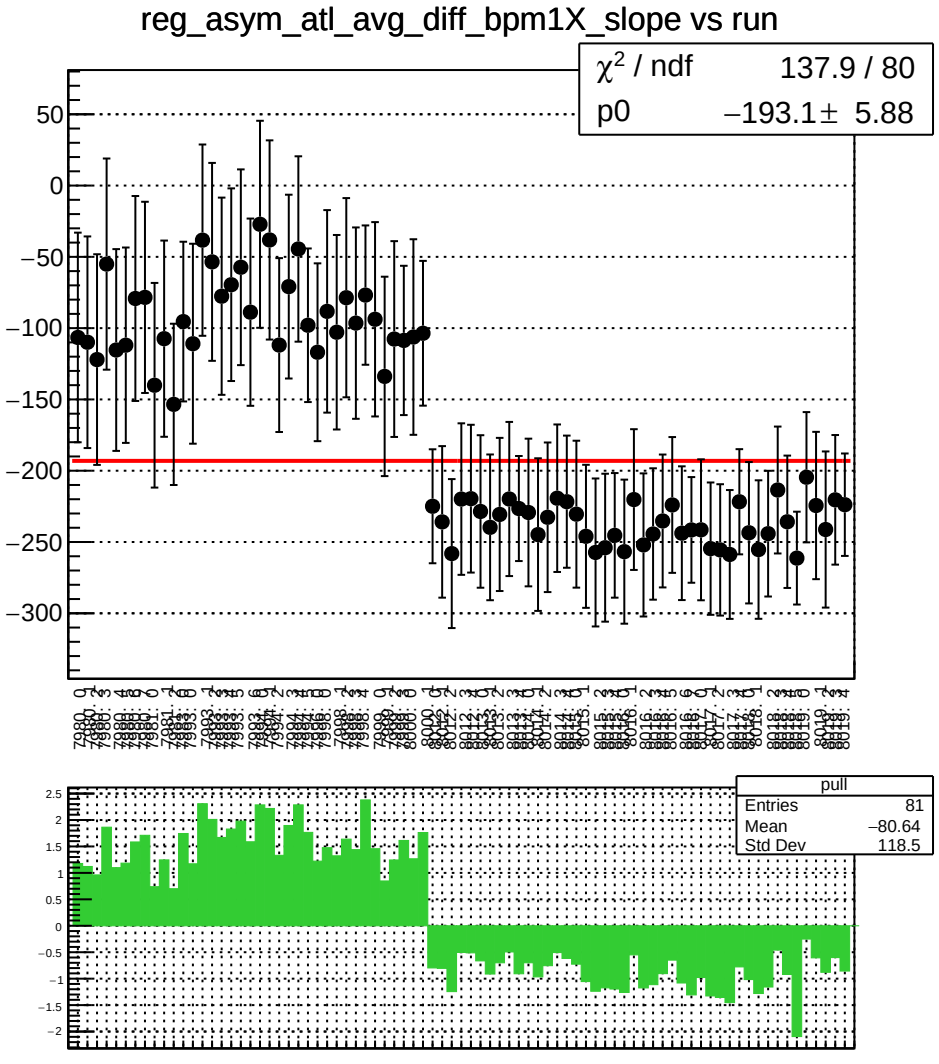

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 49.84 / 80
p0 462.9 ± 16.91
pull
Entries 81
Mean −134.4
Std Dev 173.1

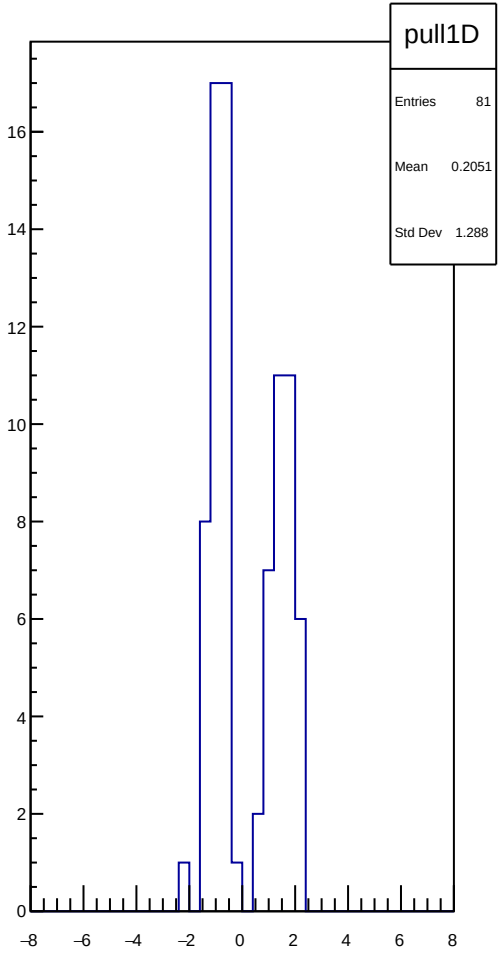

pull1D
Entries 81
Mean −0.09062
Std Dev 0.7792

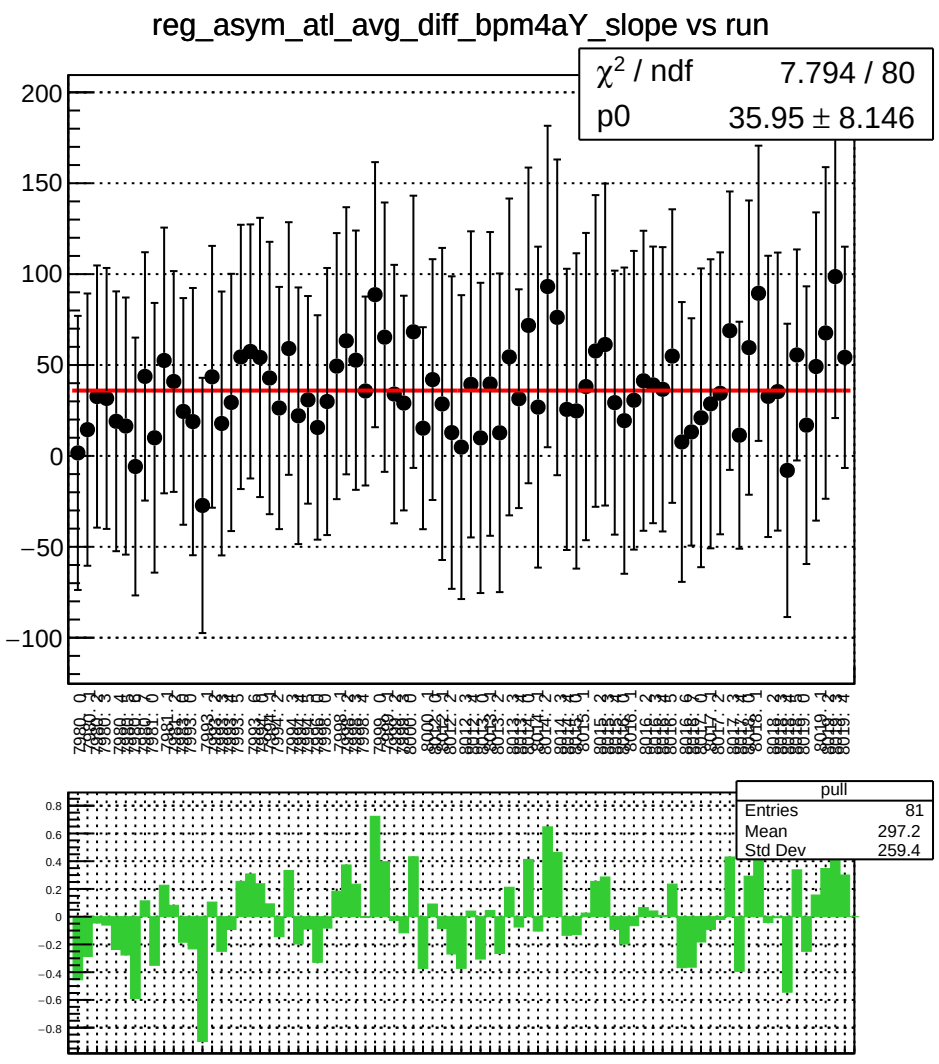

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.766 / 80
p0 −0.5673 ± 25.57
pull
Entries 81
Mean −306.5
Std Dev 345.1
pull1D
Entries 81
Mean 0.003175
Std Dev 0.2425

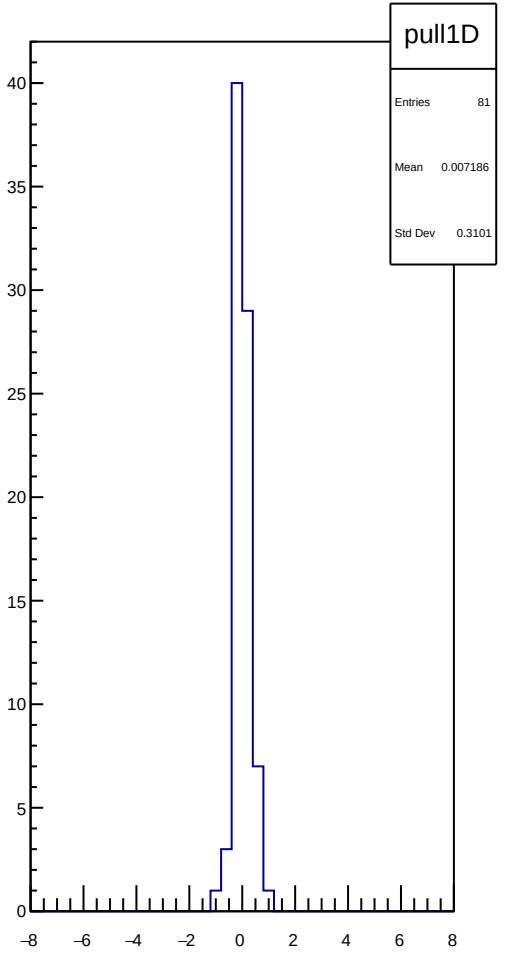

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 370.2 / 80
p0 −291.1 ± 0.9296
pull
Entries 81
Mean 99.33
Std Dev 56.22

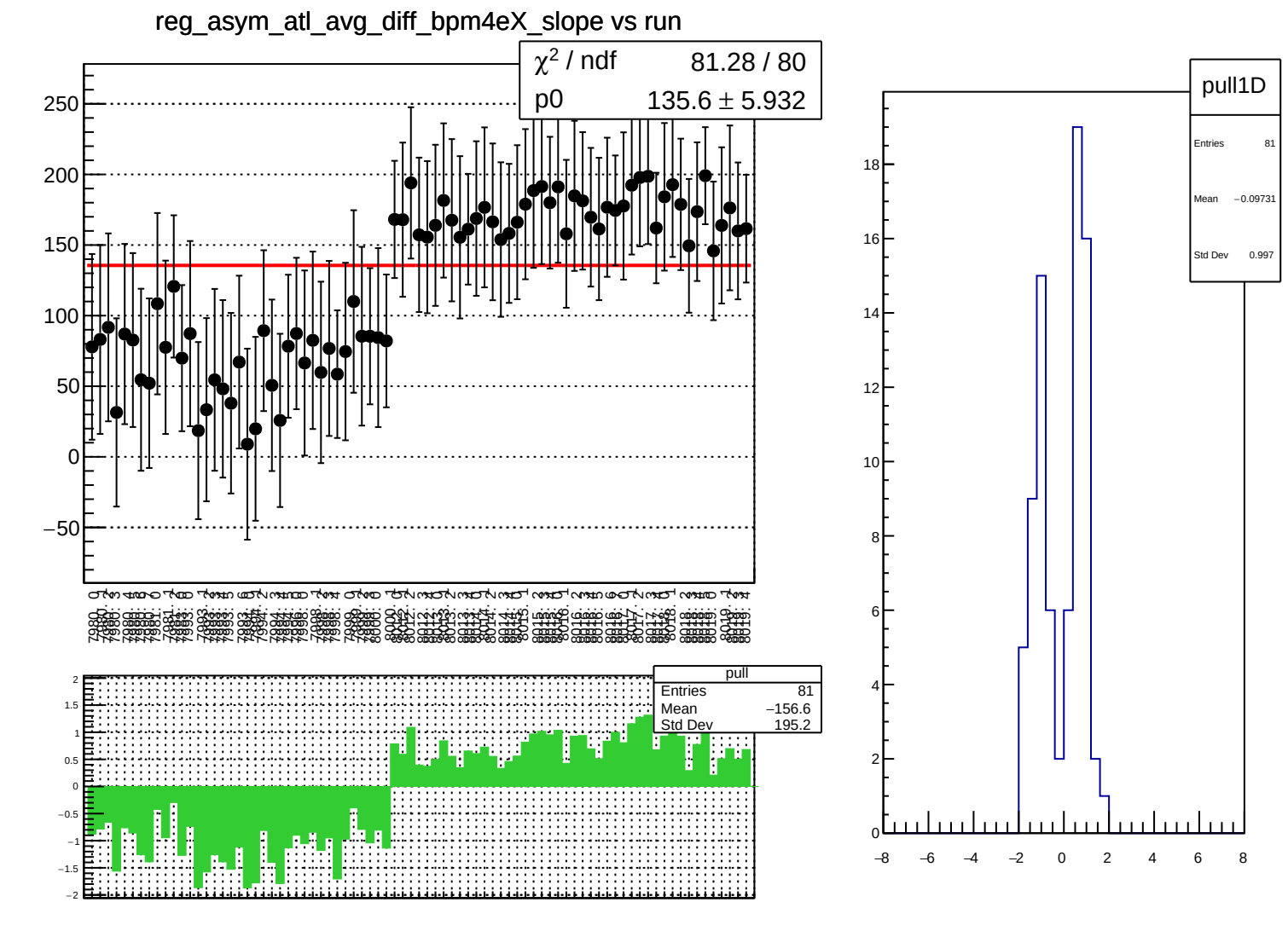

pull1D
Entries 81
Mean −0.7014
Std Dev 2.02

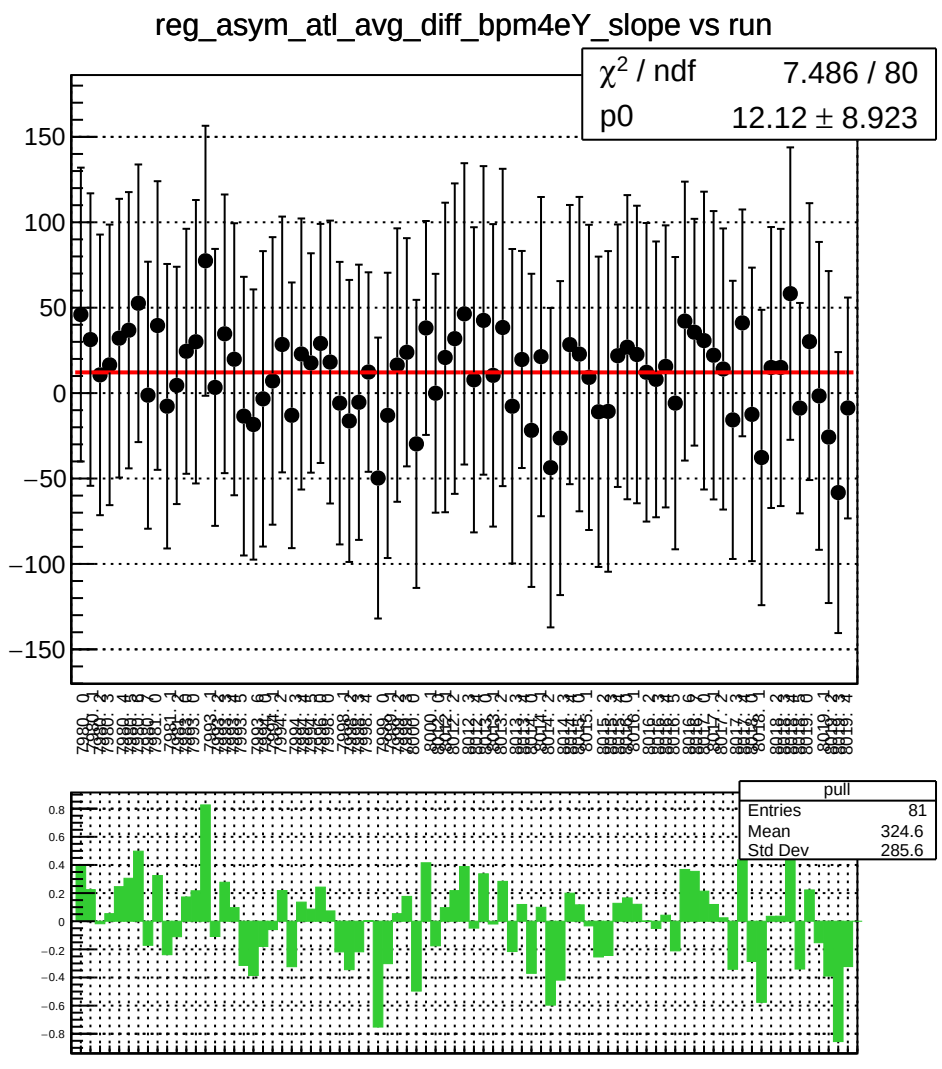

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 137.9 / 80
p0 −193.1 ± 5.88
pull
Entries 81
Mean −80.64
Std Dev 118.5

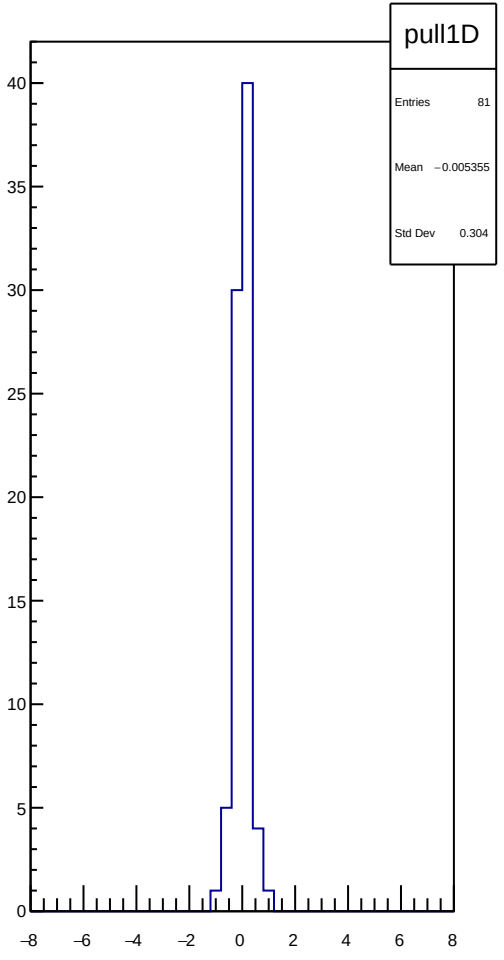

pull1D
Entries 81
Mean 0.2051
Std Dev 1.288

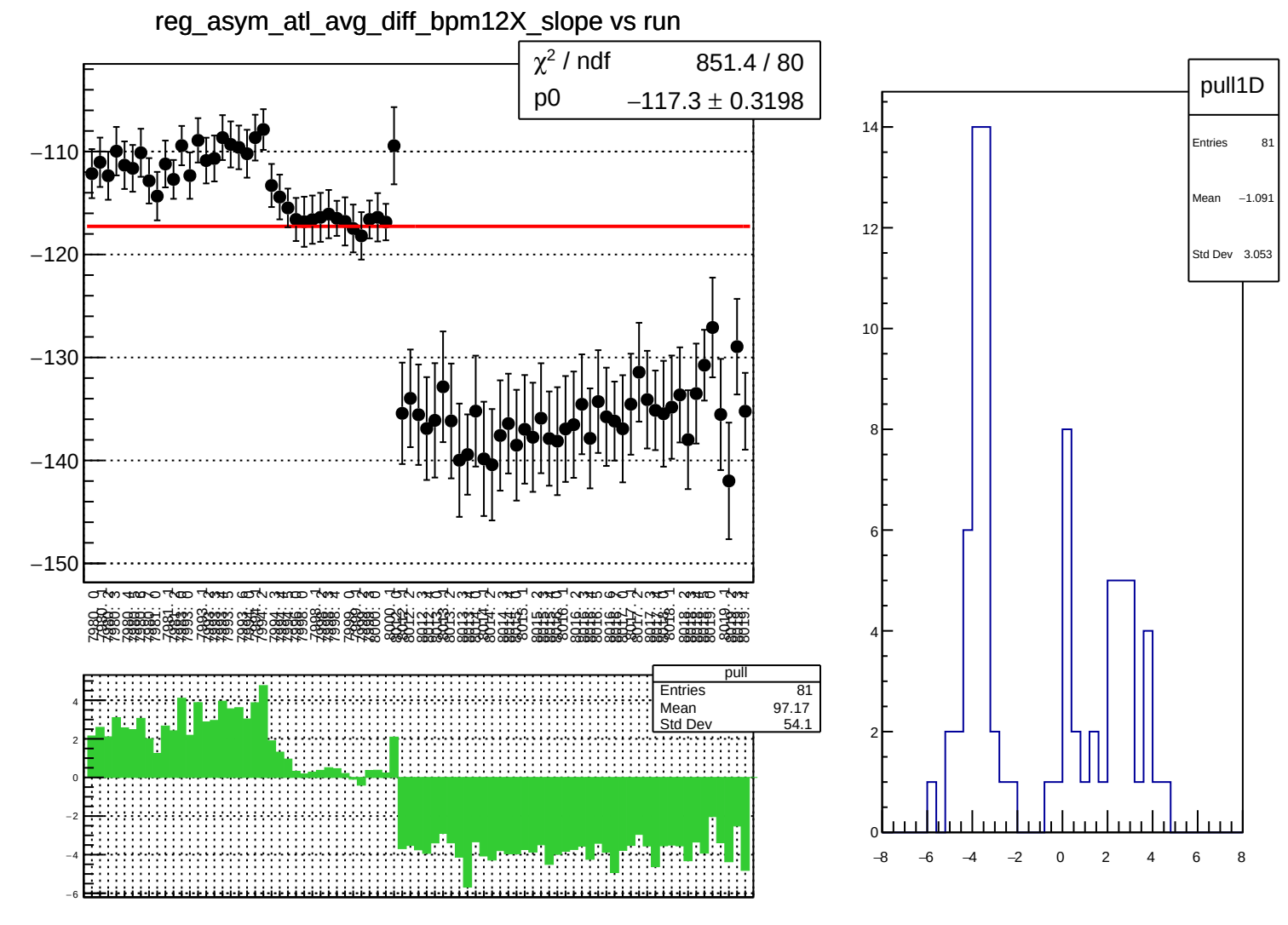

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.794 / 80
p0 35.95 ± 8.146
200
150
100
50
0
−50
−100
pull
Entries 81
Mean 297.2
Std Dev 259.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

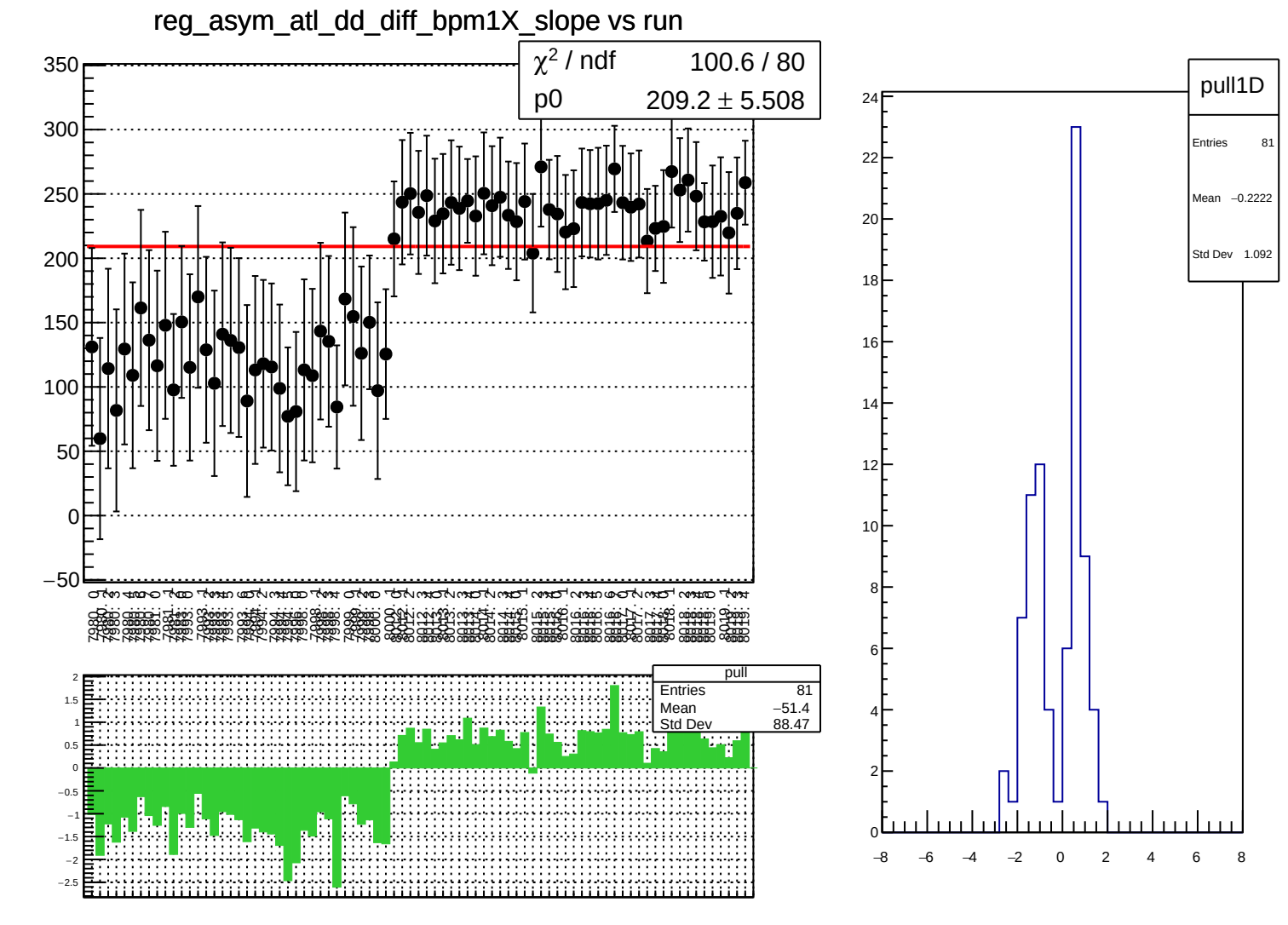

pull1D
Entries 81
Mean 0.007186
Std Dev 0.3101
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

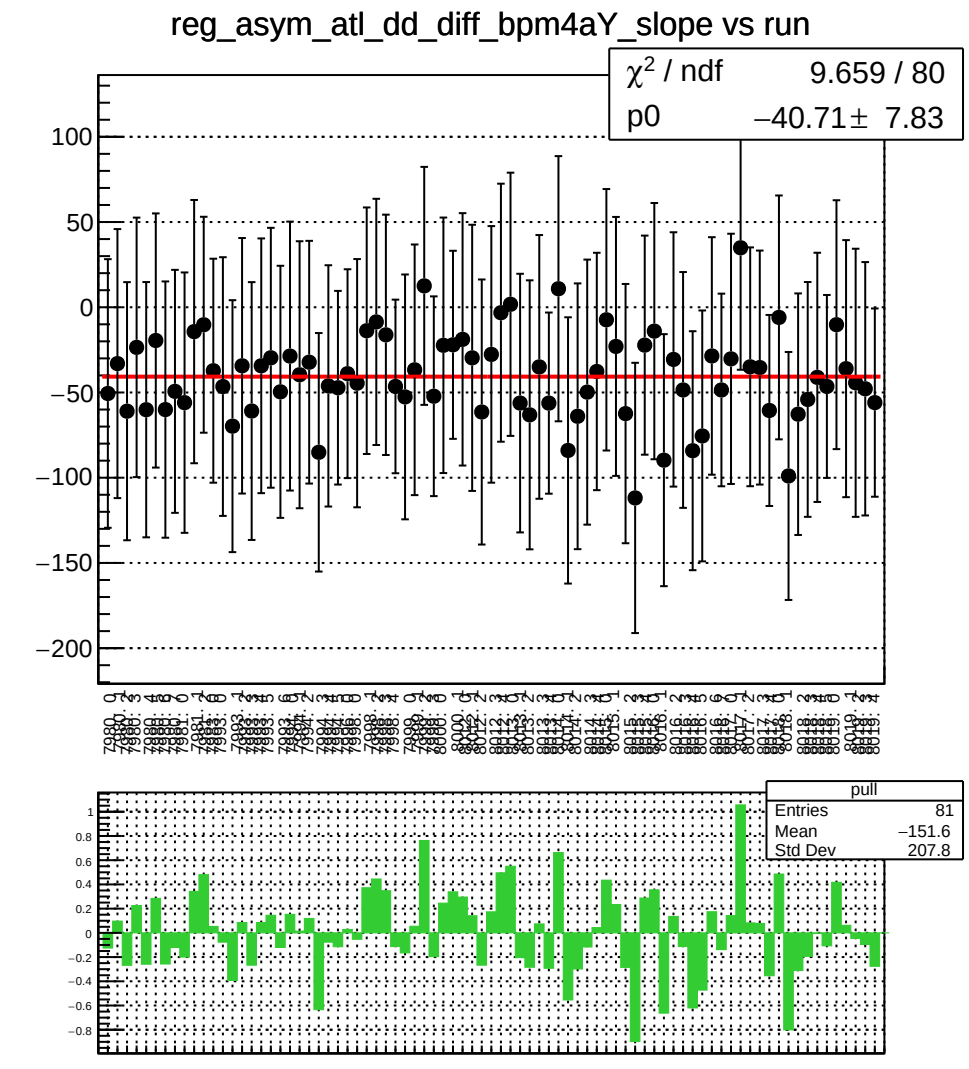

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.28 / 80
p0 135.6 ± 5.932
pull
Entries 81
Mean −156.6
Std Dev 195.2
pull1D
Entries 81
Mean −0.09731
Std Dev 0.997

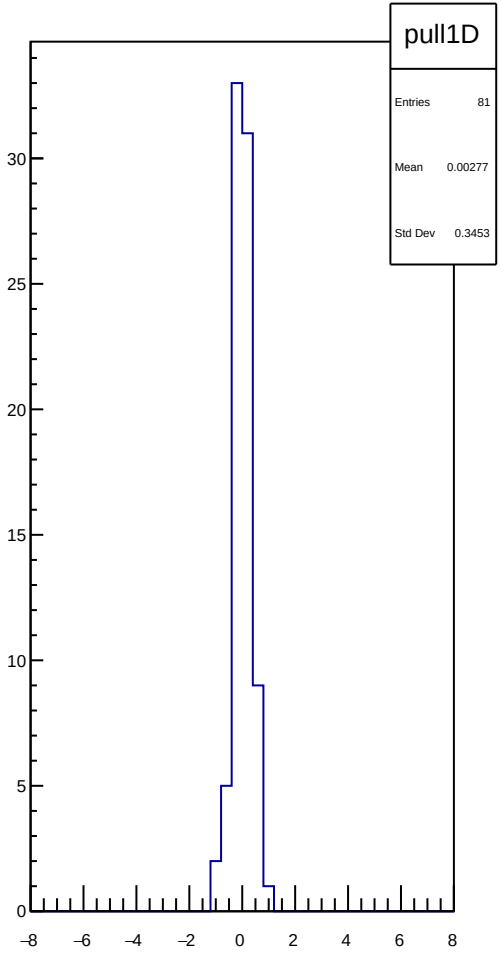

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.486 / 80
p0 12.12 ± 8.923
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 324.6
Std Dev 285.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

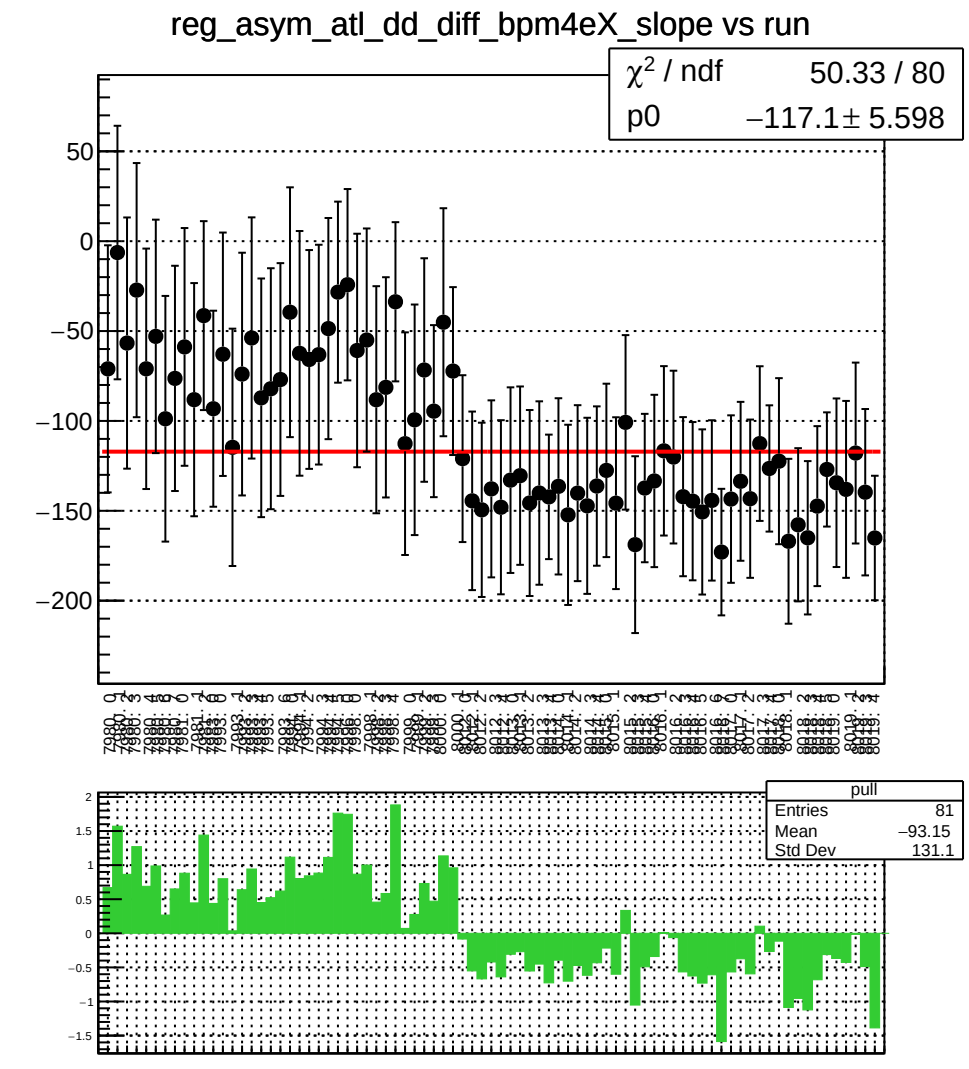

pull1D
Entries 81
Mean −0.005355
Std Dev 0.304
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

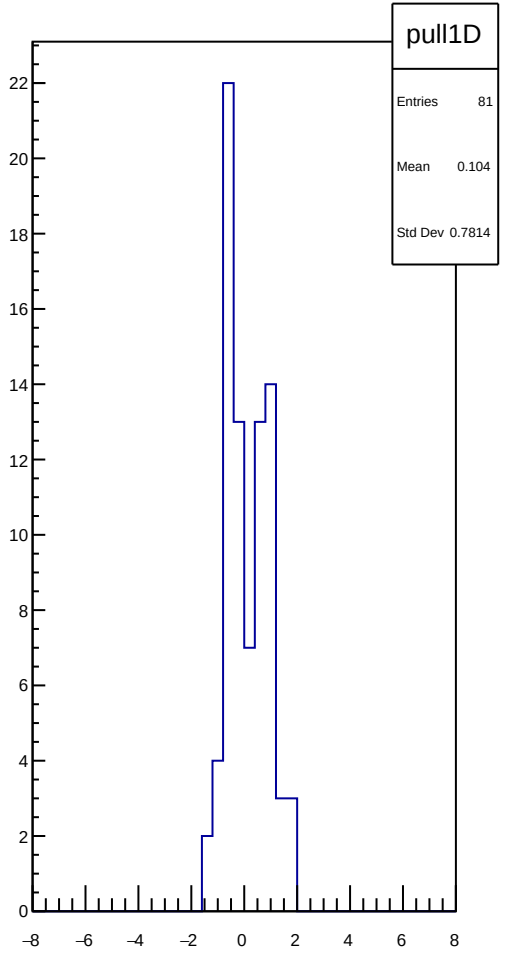

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 851.4 / 80
p0 −117.3 ± 0.3198
pull
Entries 81
Mean 97.17
Std Dev 54.1
pull1D
Entries 81
Mean −1.091
Std Dev 3.053

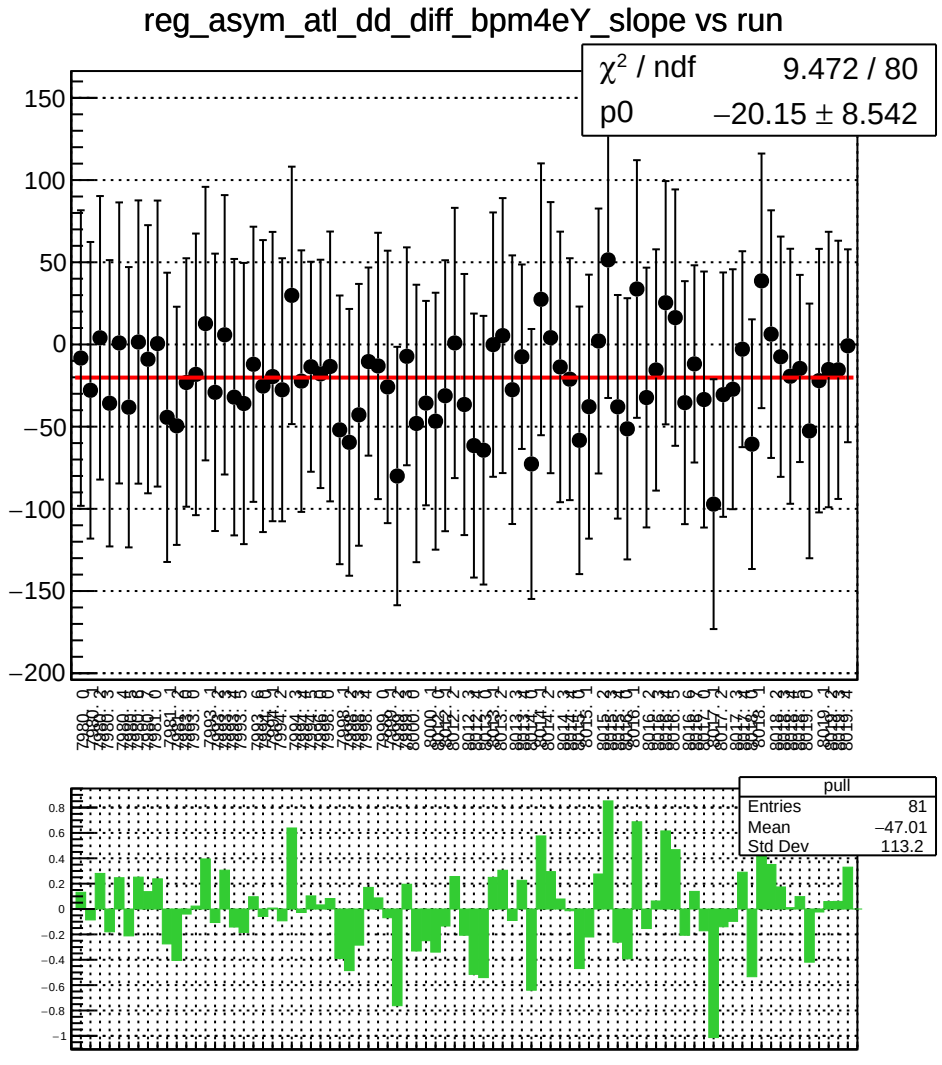

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 100.6 / 80
p0 209.2 ± 5.508
pull
Entries 81
Mean −51.4
Std Dev 88.47
pull1D
Entries 81
Mean −0.2222
Std Dev 1.092

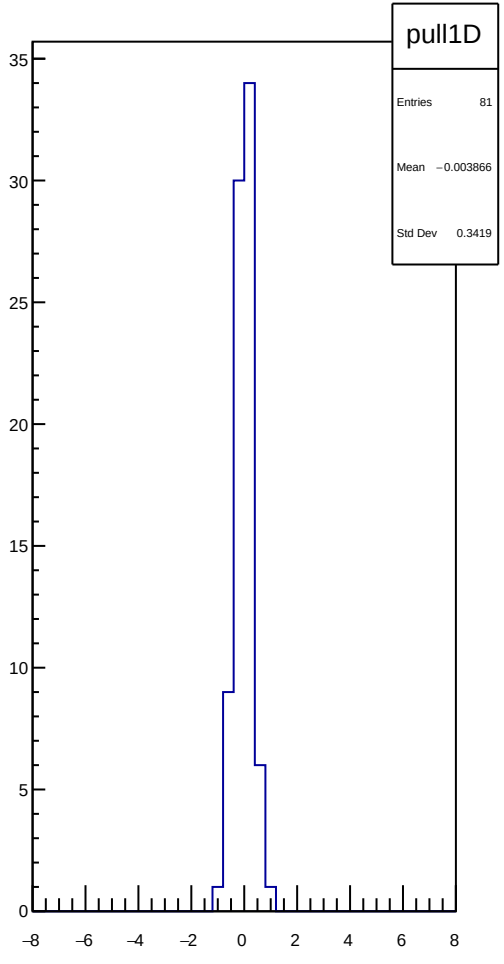

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.659 / 80
p0 −40.71± 7.83
pull
Entries 81
Mean −151.6
Std Dev 207.8

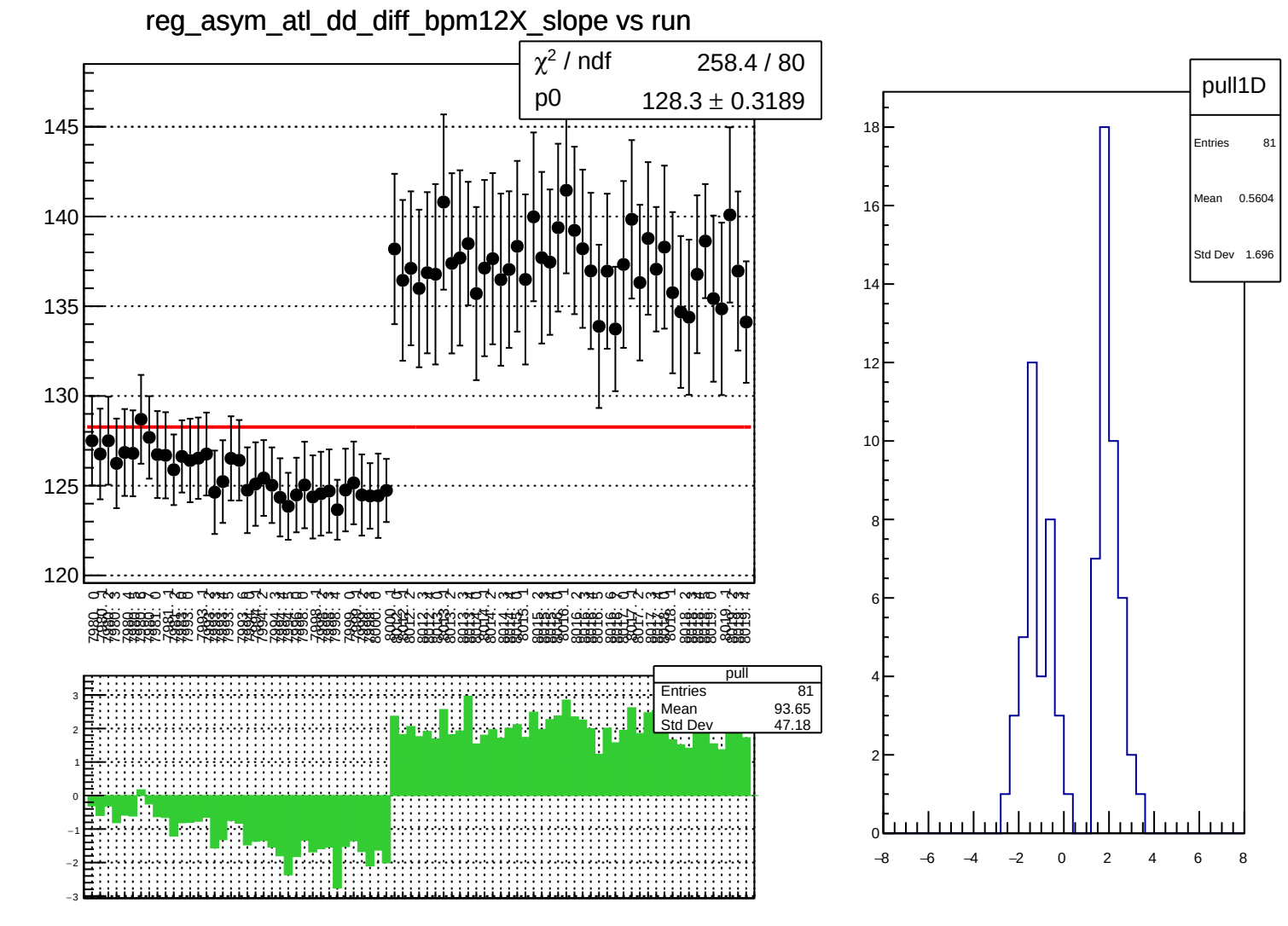

pull1D
Entries 81
Mean 0.00277
Std Dev 0.3453

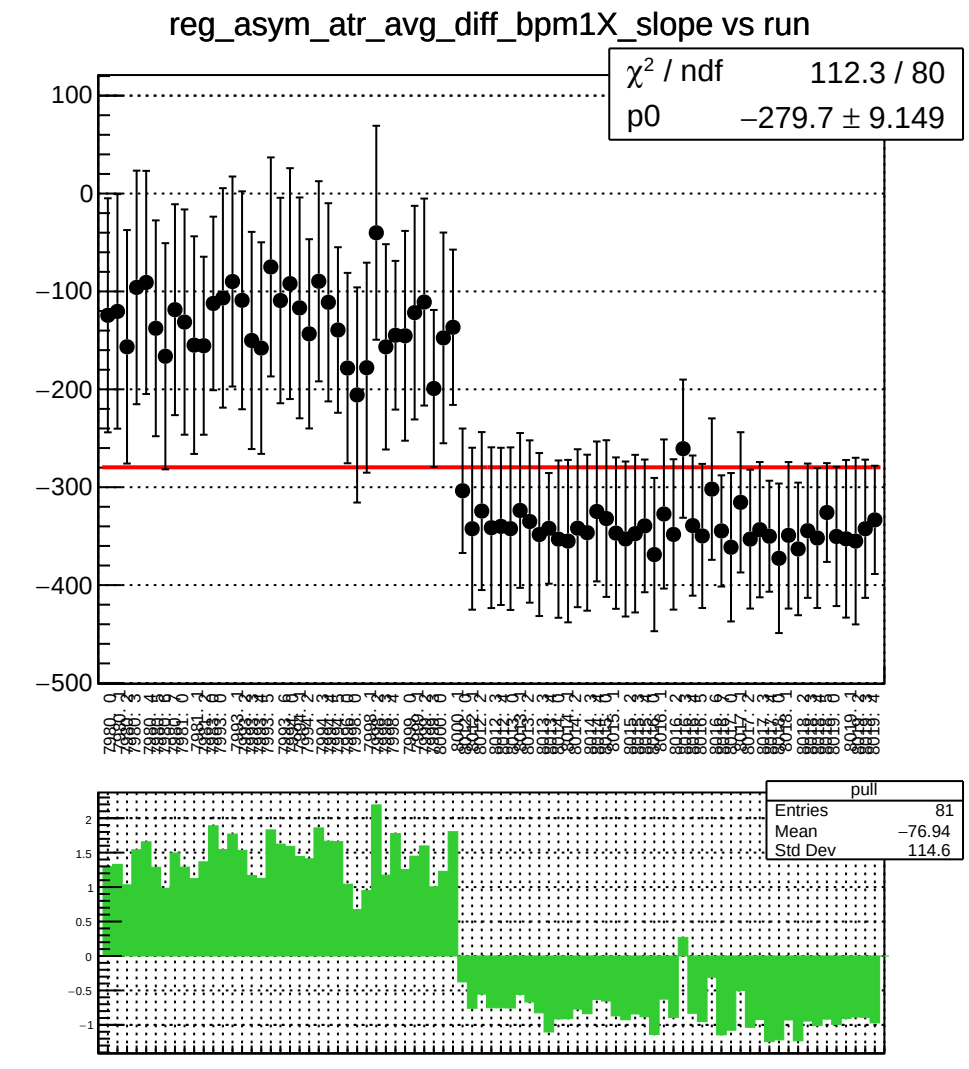

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.33 / 80
p0 −117.1 ± 5.598
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −93.15
Std Dev 131.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

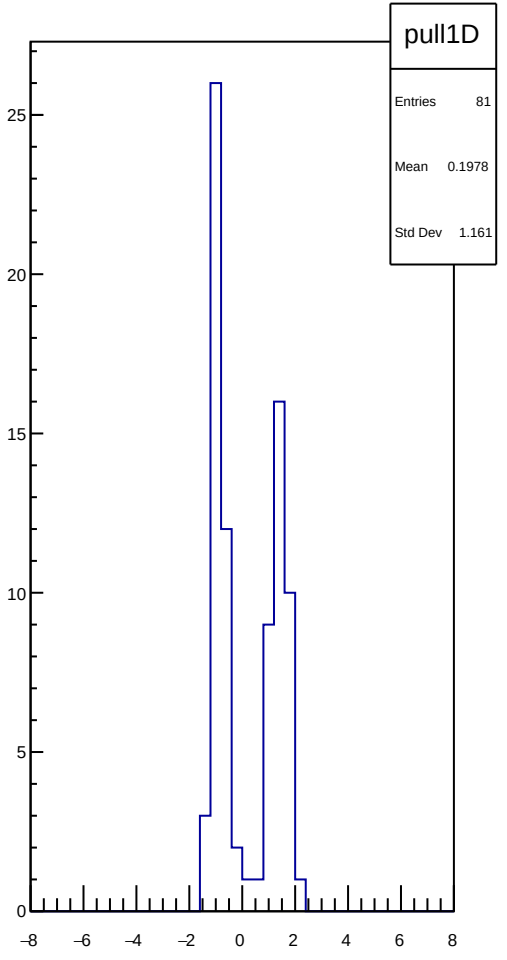

pull1D
Entries 81
Mean 0.104
Std Dev 0.7814
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

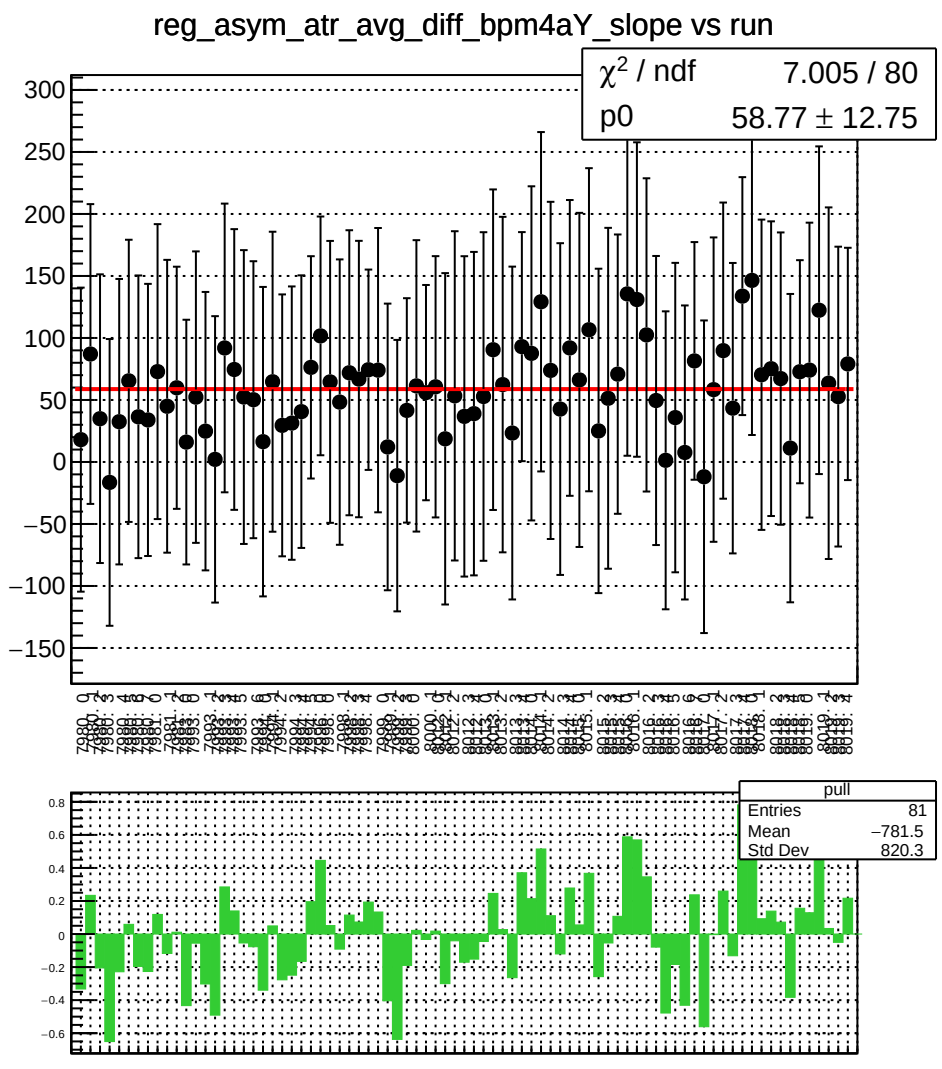

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.472 / 80
p0 −20.15 ± 8.542
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean −47.01
Std Dev 113.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

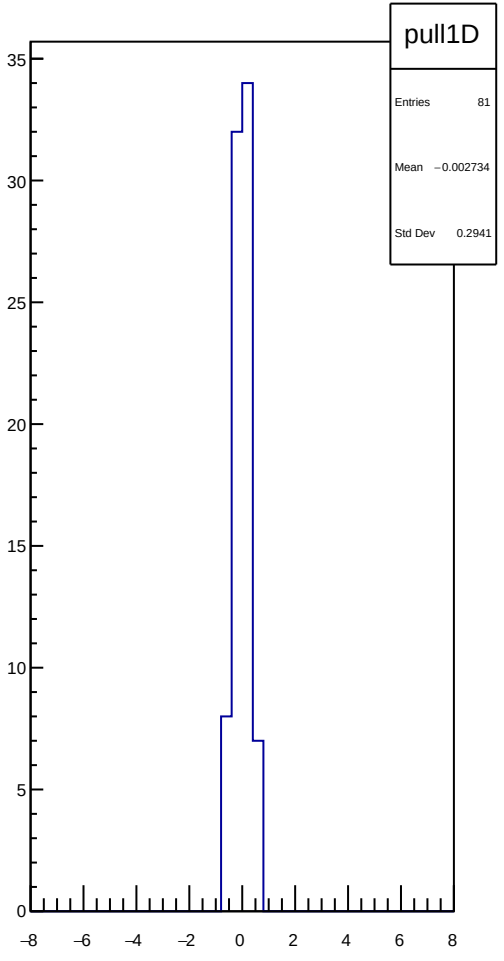

pull1D
Entries 81
Mean −0.003866
Std Dev 0.3419
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

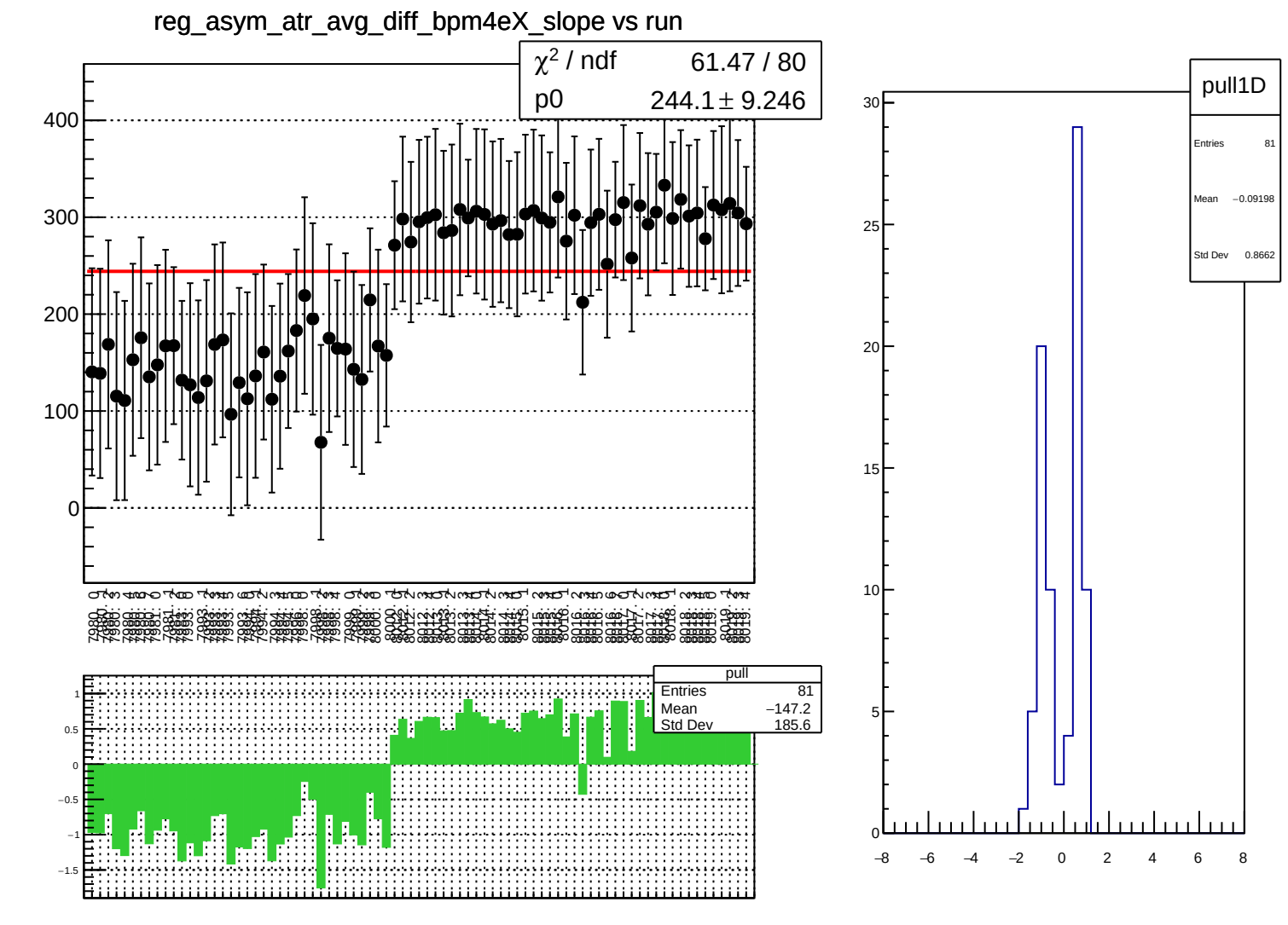

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 258.4 / 80
p0 128.3 ± 0.3189
pull
Entries 81
Mean 93.65
Std Dev 47.18
pull1D
Entries 81
Mean 0.5604
Std Dev 1.696

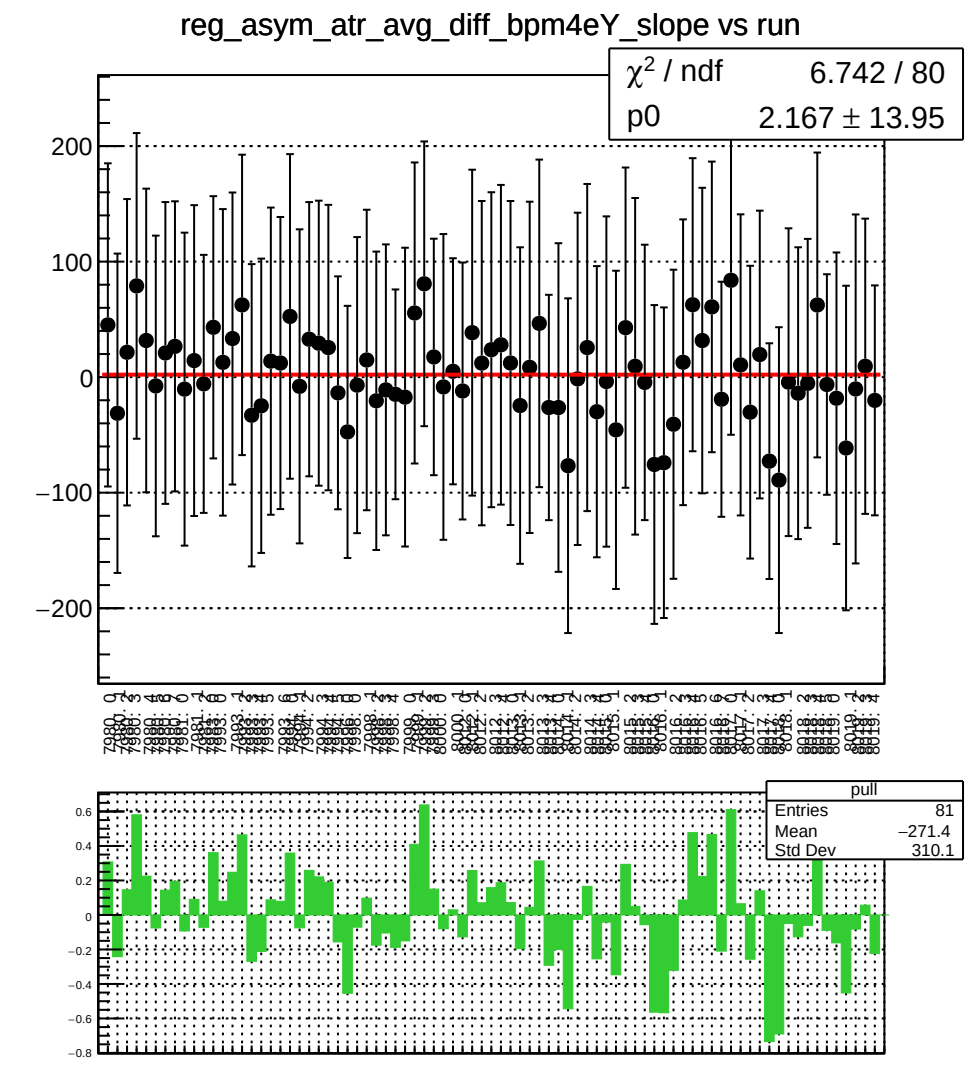

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 112.3 / 80
p0 −279.7 ± 9.149
pull
Entries 81
Mean −76.94
Std Dev 114.6

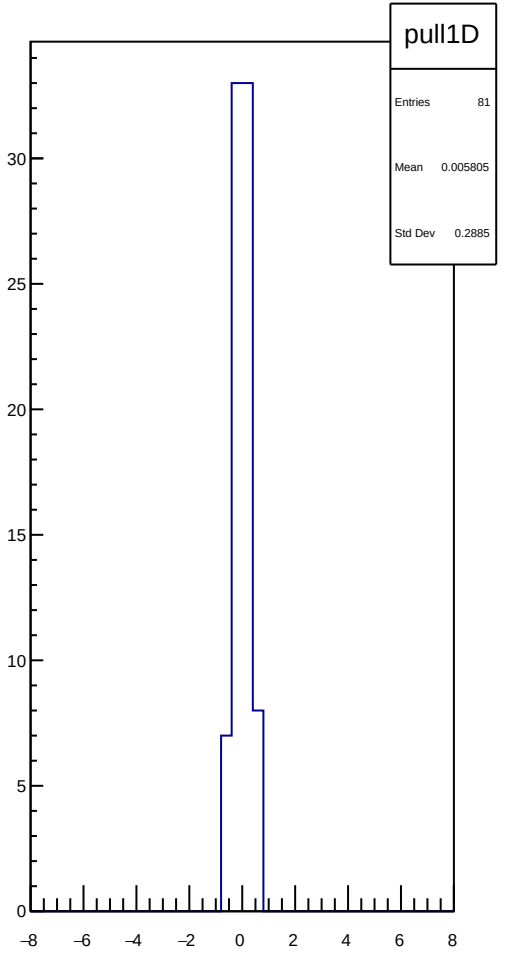

pull1D
Entries 81
Mean 0.1978
Std Dev 1.161

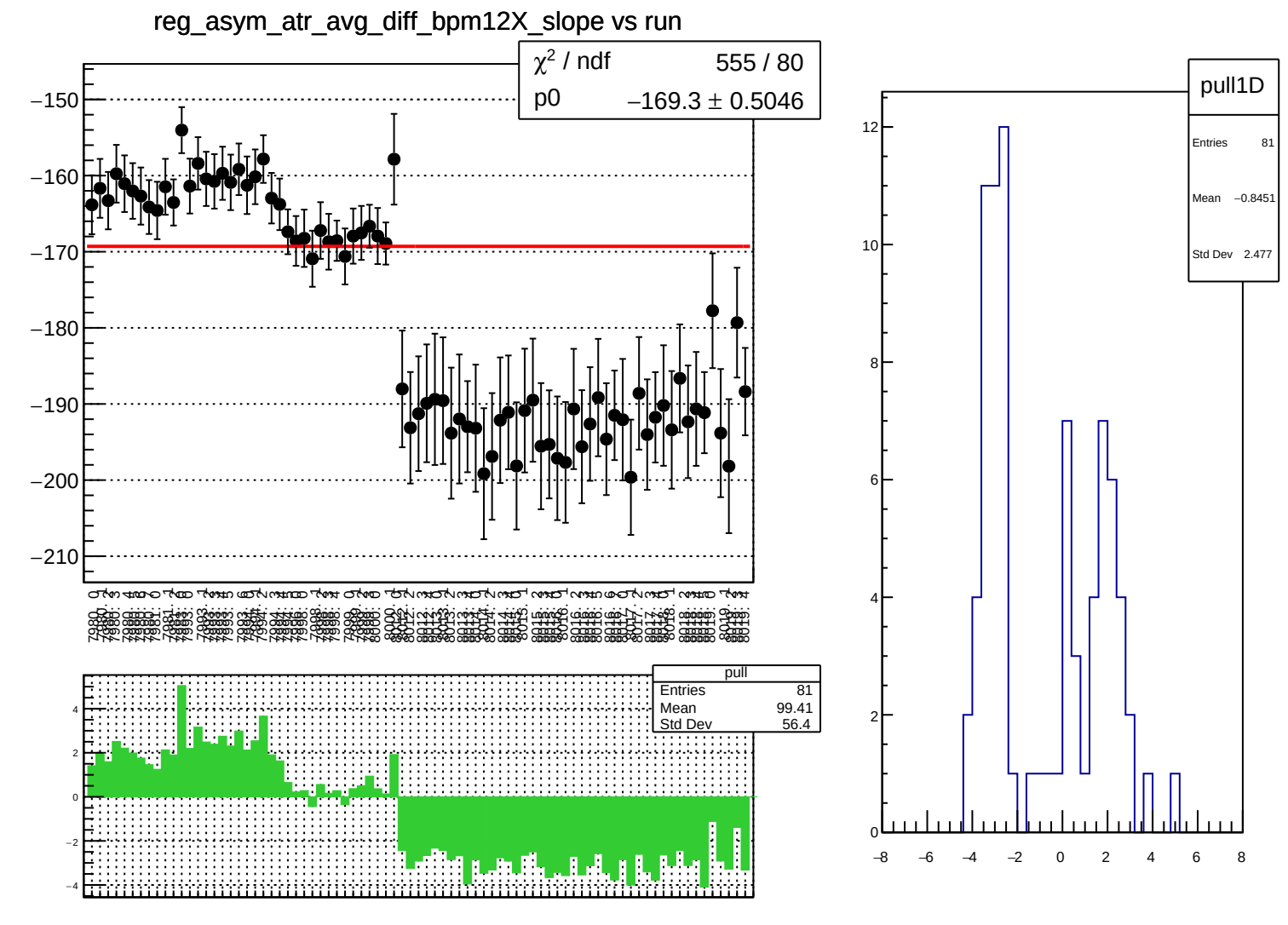

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.005 / 80
p0 58.77 ± 12.75
pull
Entries 81
Mean −781.5
Std Dev 820.3

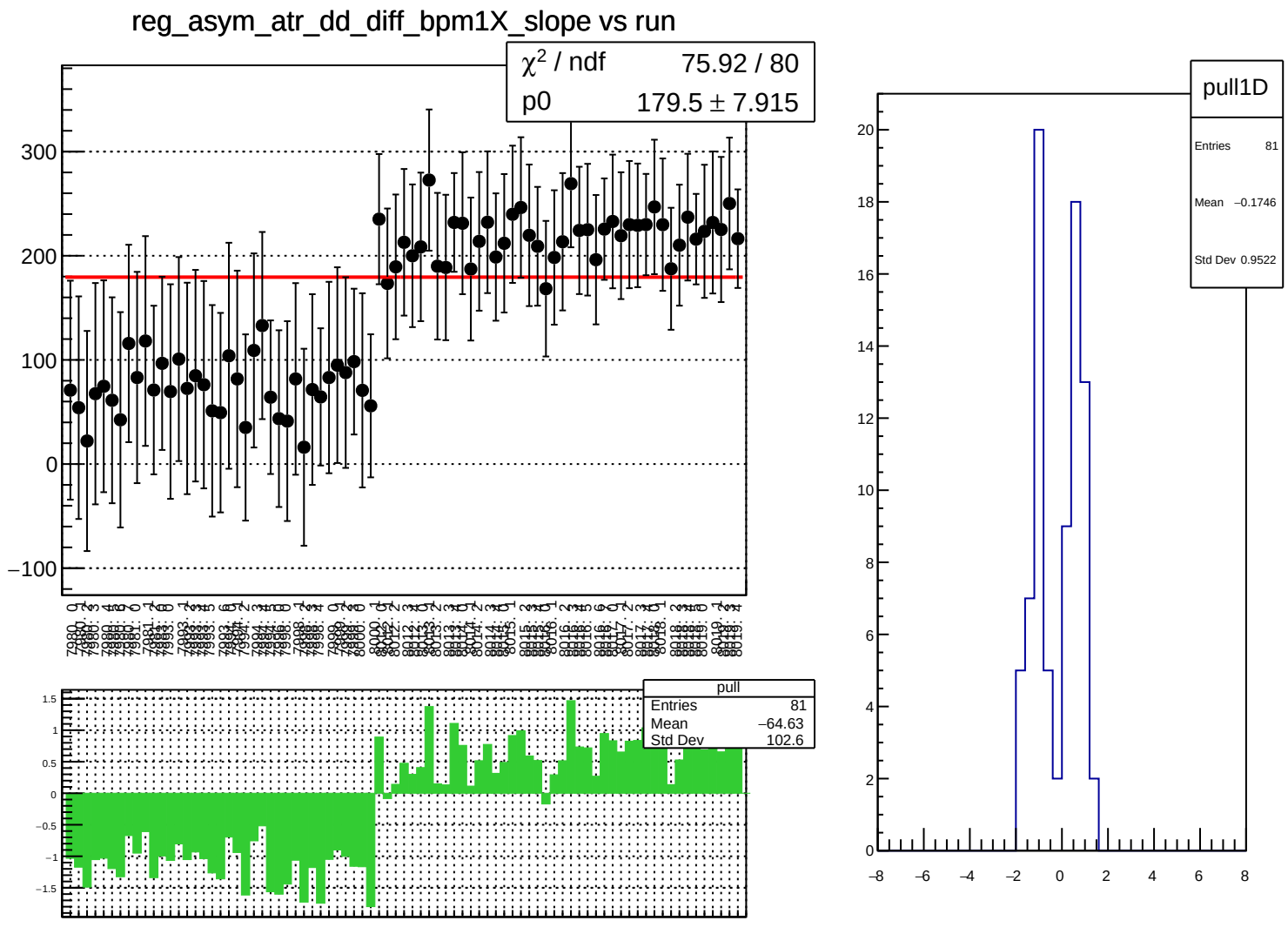

pull1D
Entries 81
Mean −0.002734
Std Dev 0.2941

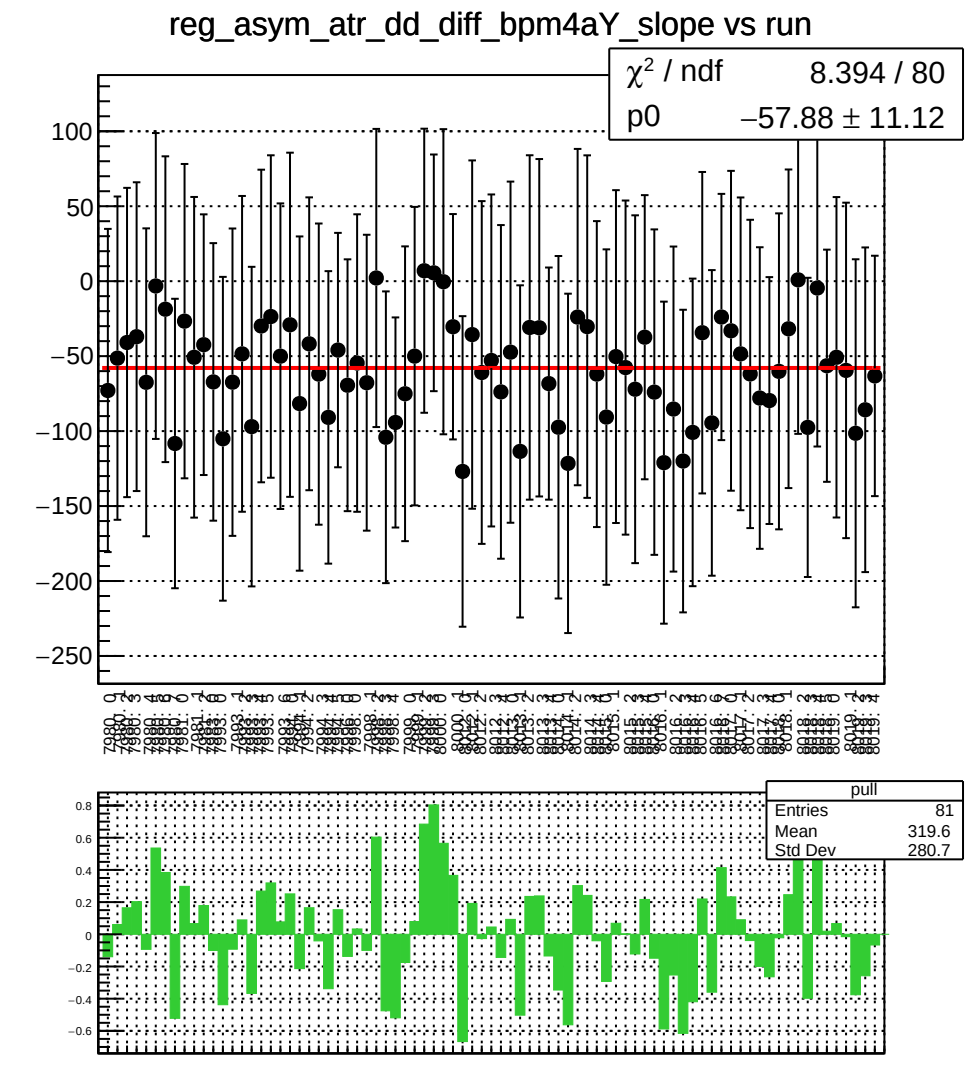

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.47 / 80
p0 244.1 ± 9.246
pull
Entries 81
Mean −147.2
Std Dev 185.6
pull1D
Entries 81
Mean −0.09198
Std Dev 0.8662

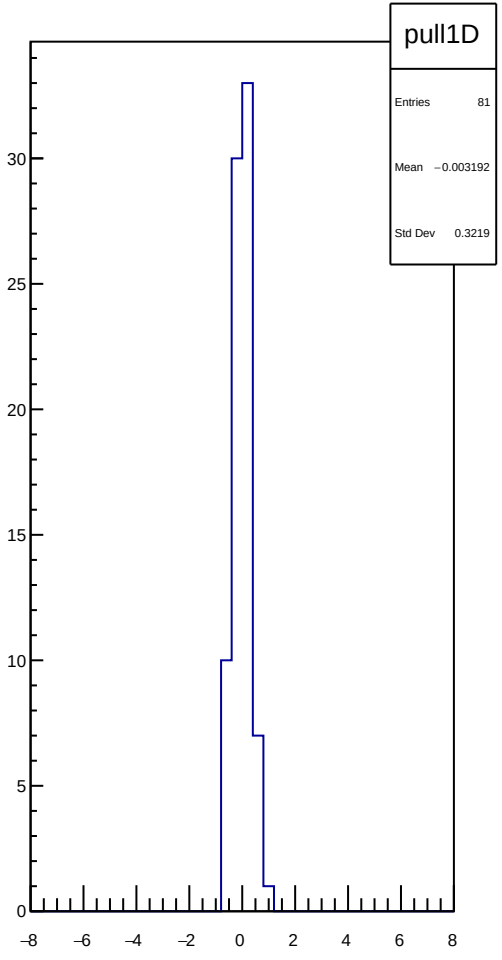

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.742 / 80
p0 2.167 ± 13.95
200
100
0
−100
−200
pull
Entries 81
Mean −271.4
Std Dev 310.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

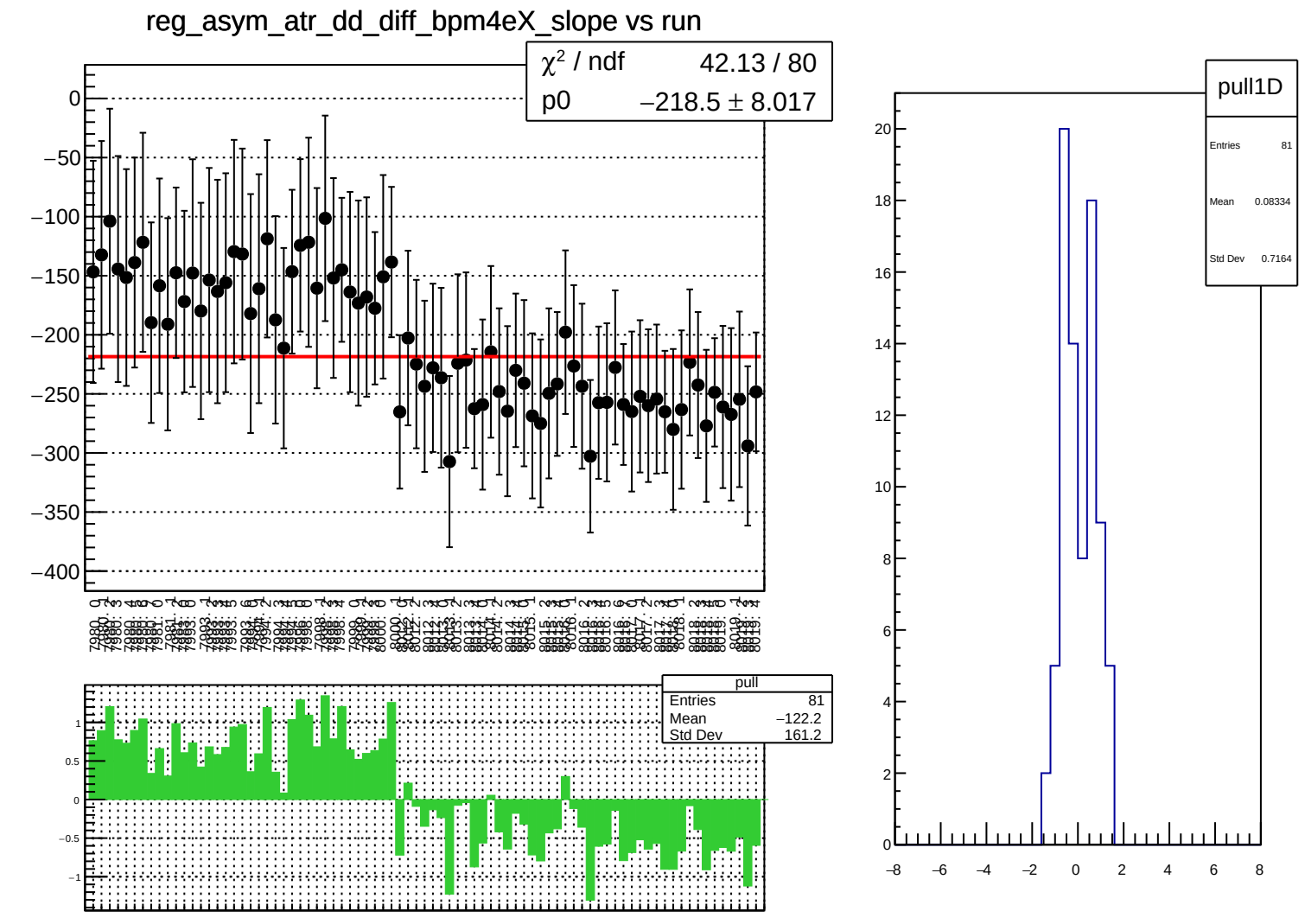

pull1D
Entries 81
Mean 0.005805
Std Dev 0.2885
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

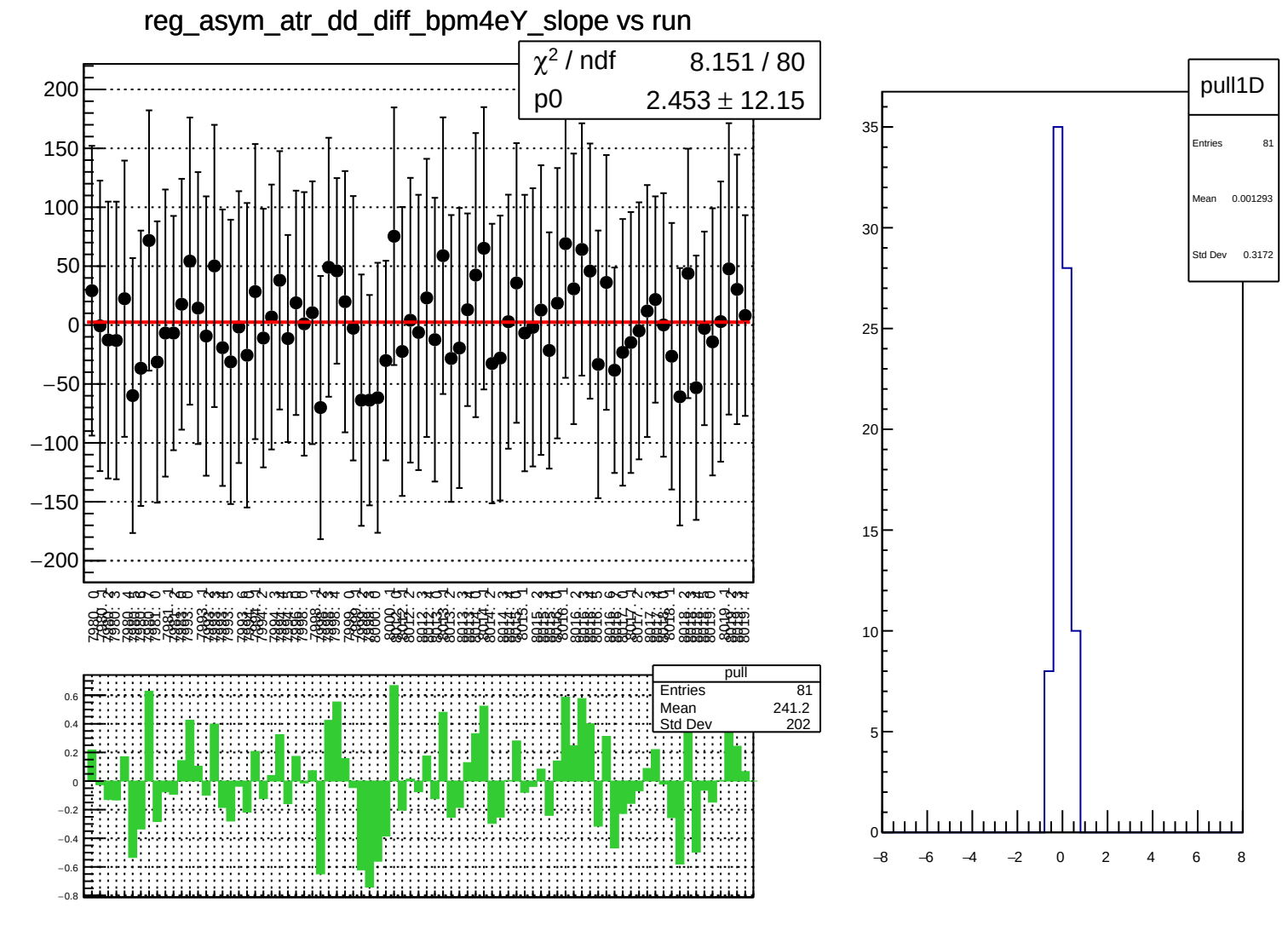

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 555 / 80
p0 −169.3 ± 0.5046
pull
Entries 81
Mean 99.41
Std Dev 56.4
pull1D
Entries 81
Mean −0.8451
Std Dev 2.477

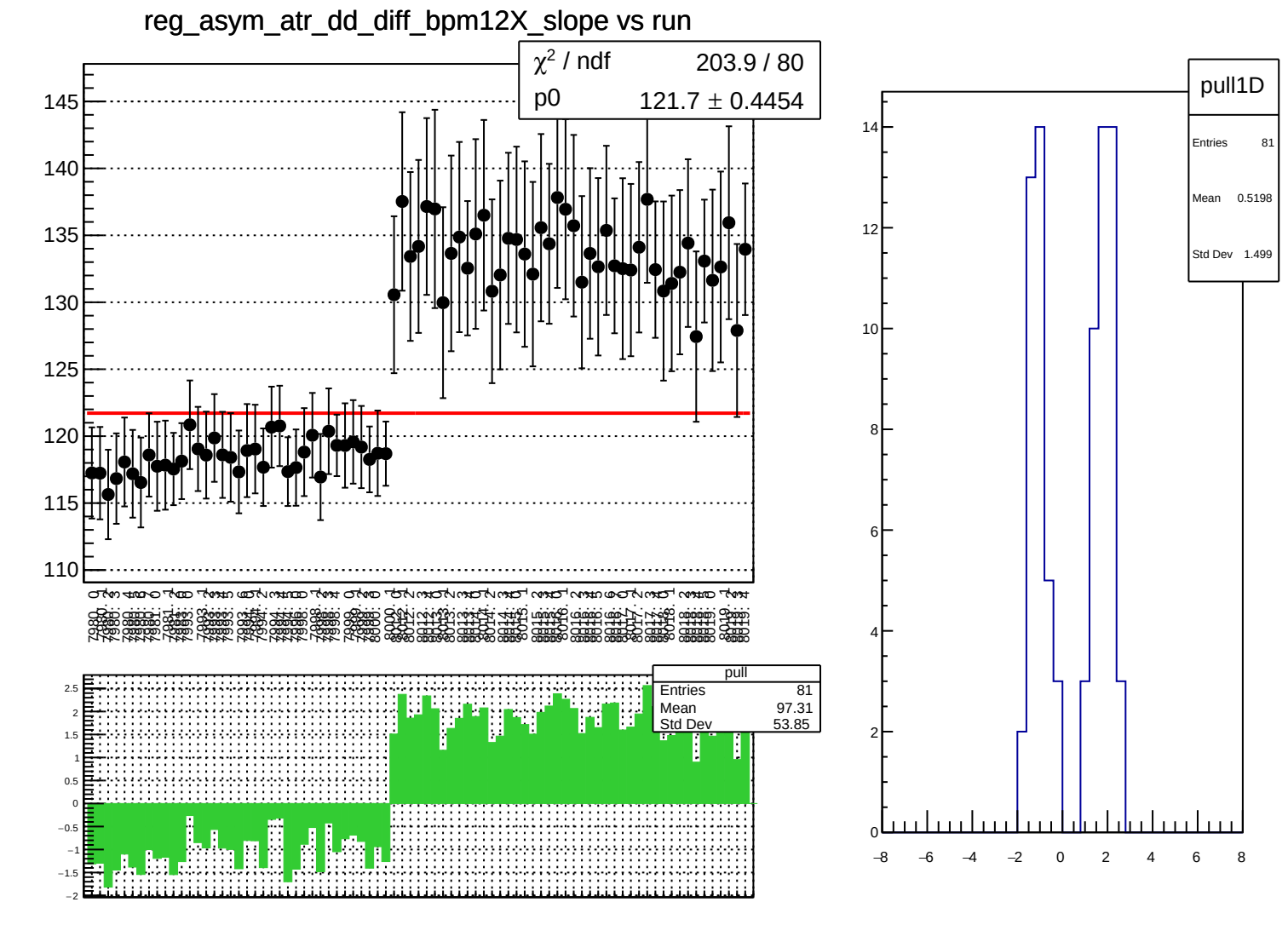

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 75.92 / 80
p0 179.5 ± 7.915
300
200
100
0
−100
pull
Entries 81
Mean −64.63
Std Dev 102.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.1746
Std Dev 0.9522
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

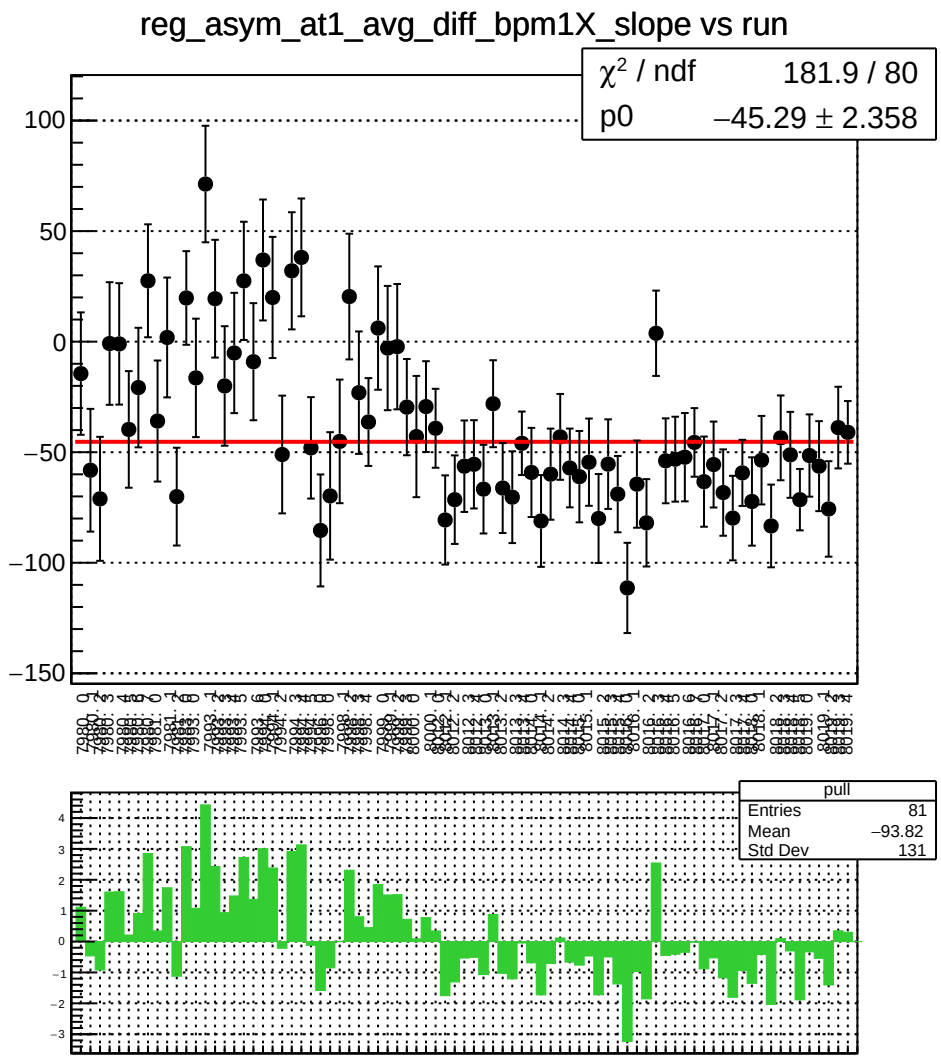

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.394 / 80
p0 −57.88 ± 11.12
pull
Entries 81
Mean 319.6
Std Dev 280.7

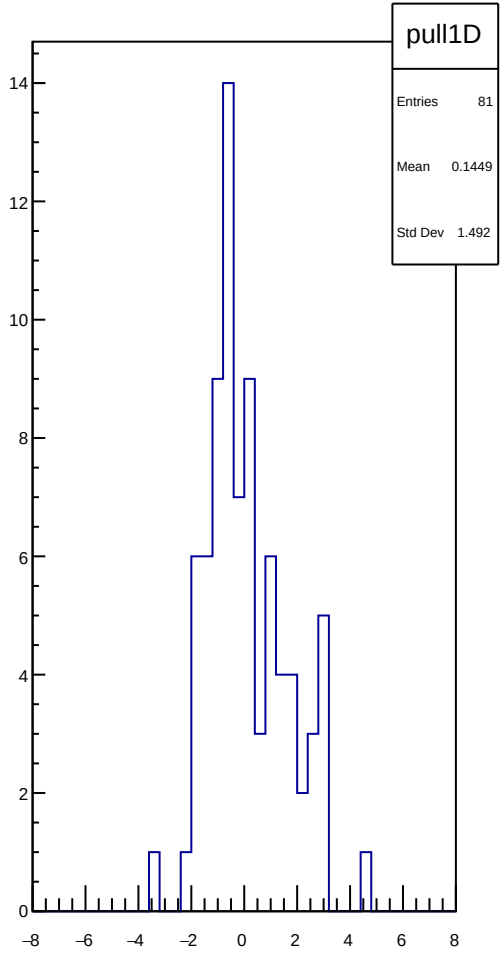

pull1D
Entries 81
Mean −0.003192
Std Dev 0.3219

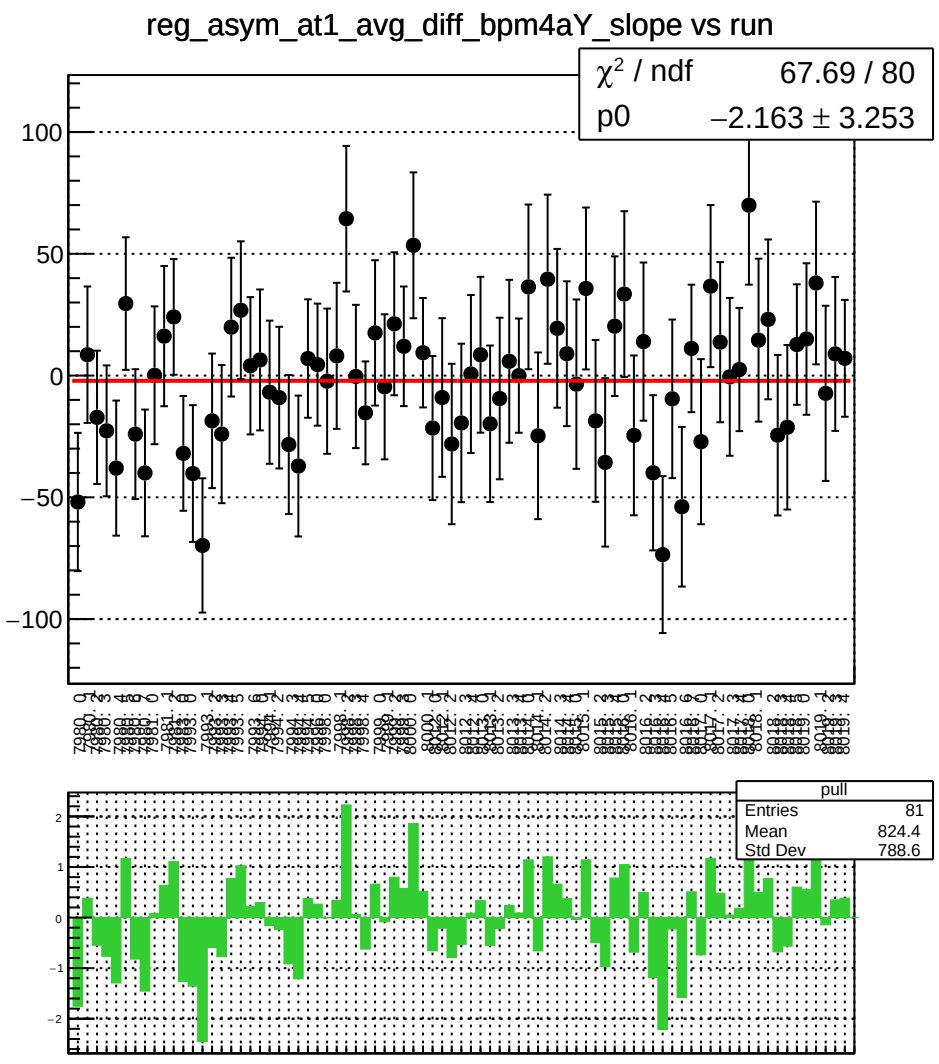

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.13 / 80
p0 −218.5 ± 8.017
pull
Entries 81
Mean −122.2
Std Dev 161.2
pull1D
Entries 81
Mean 0.08334
Std Dev 0.7164

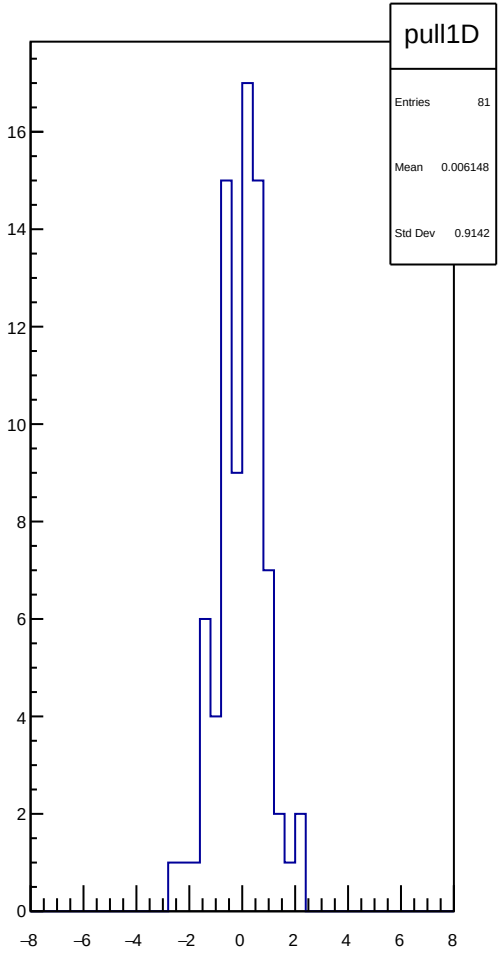

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.151 / 80
p0 2.453 ± 12.15
pull
Entries 81
Mean 241.2
Std Dev 202
pull1D
Entries 81
Mean 0.001293
Std Dev 0.3172

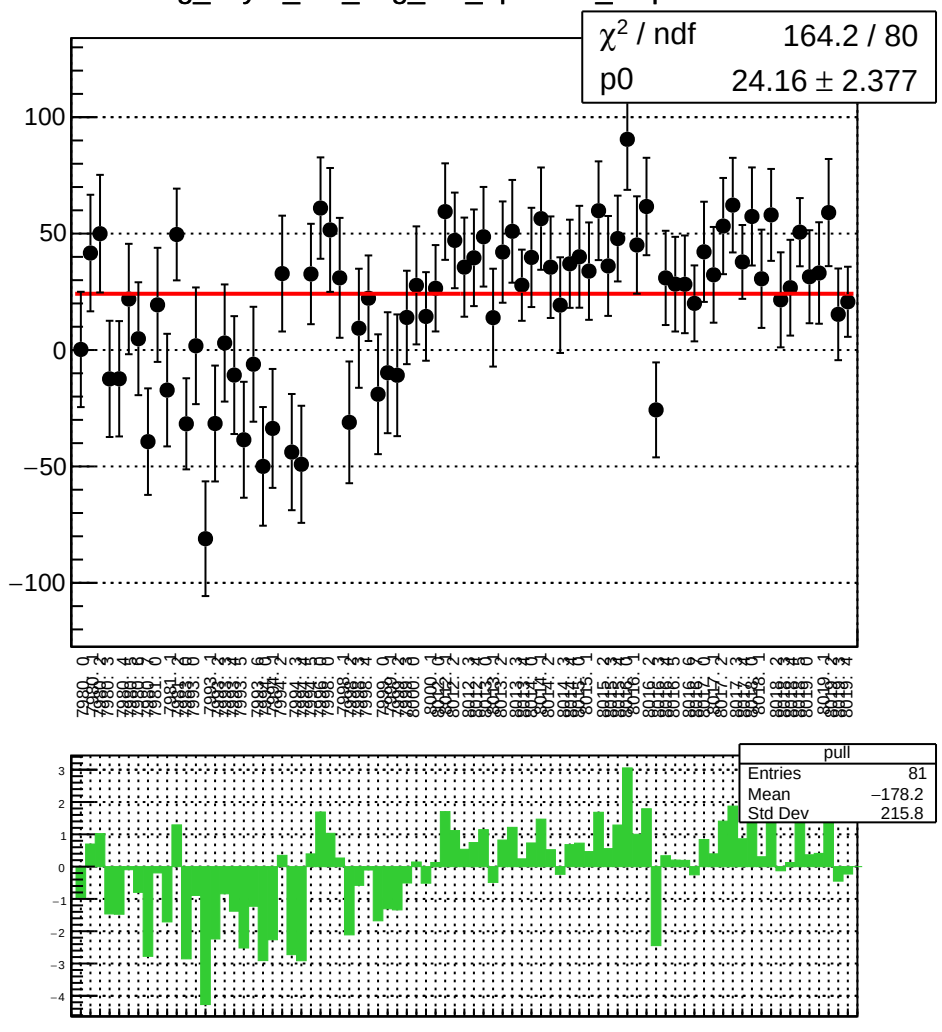

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 203.9 / 80
p0 121.7 ± 0.4454
pull
Entries 81
Mean 97.31
Std Dev 53.85
pull1D
Entries 81
Mean 0.5198
Std Dev 1.499

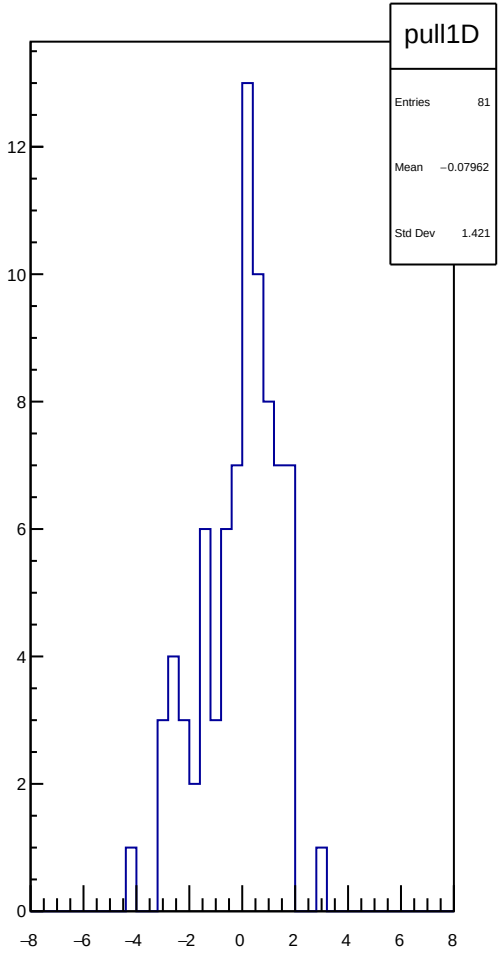

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 181.9 / 80
p0 −45.29 ± 2.358
pull
Entries 81
Mean −93.82
Std Dev 131

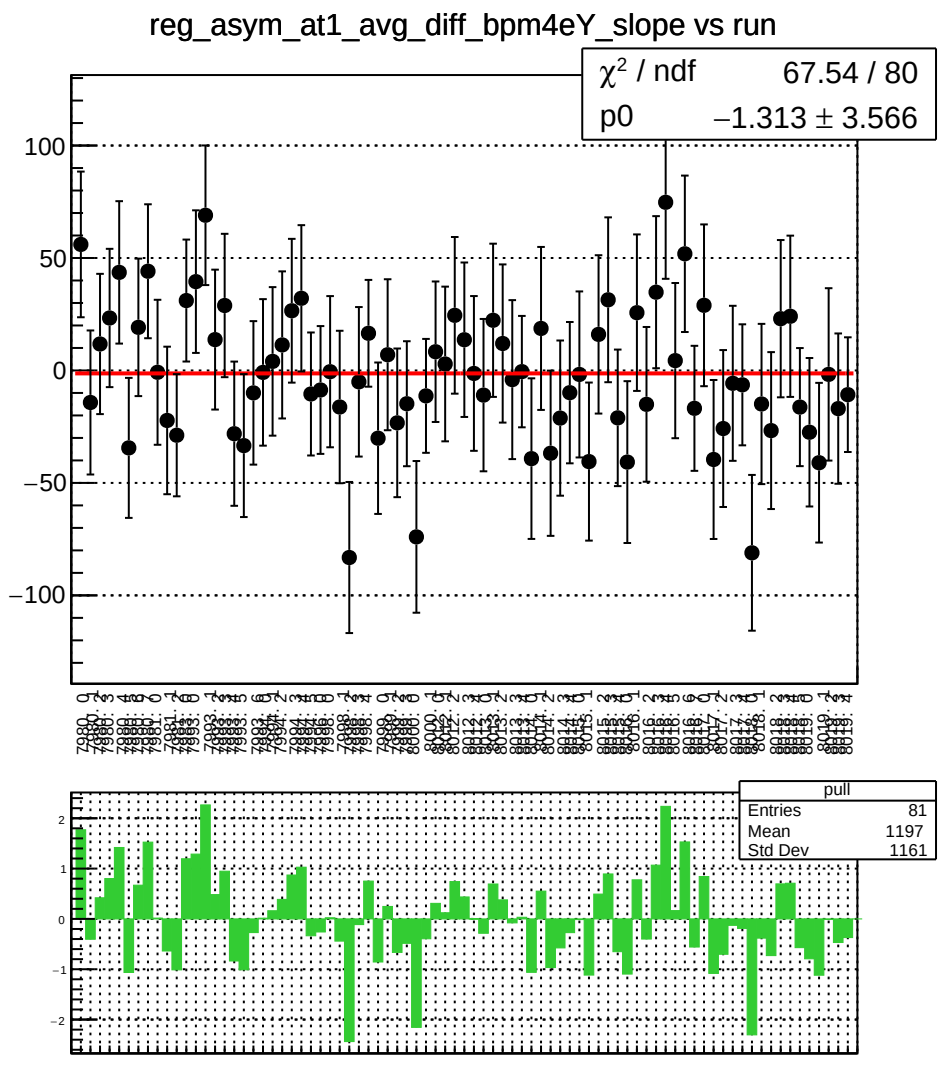

pull1D
Entries 81
Mean 0.1449
Std Dev 1.492

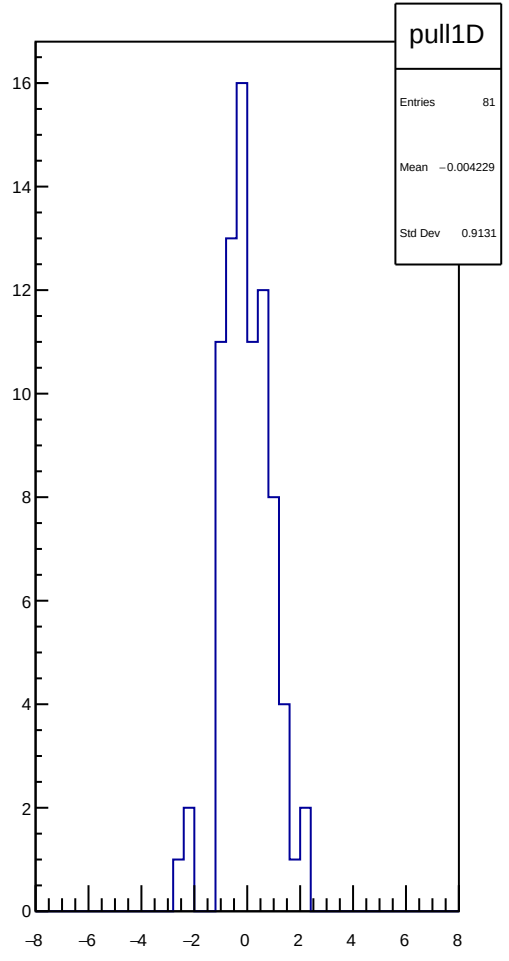

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.69 / 80
p0 −2.163 ± 3.253
100
50
0
−50
−100
pull
Entries 81
Mean 824.4
Std Dev 788.6
2
1
0
−1
−2

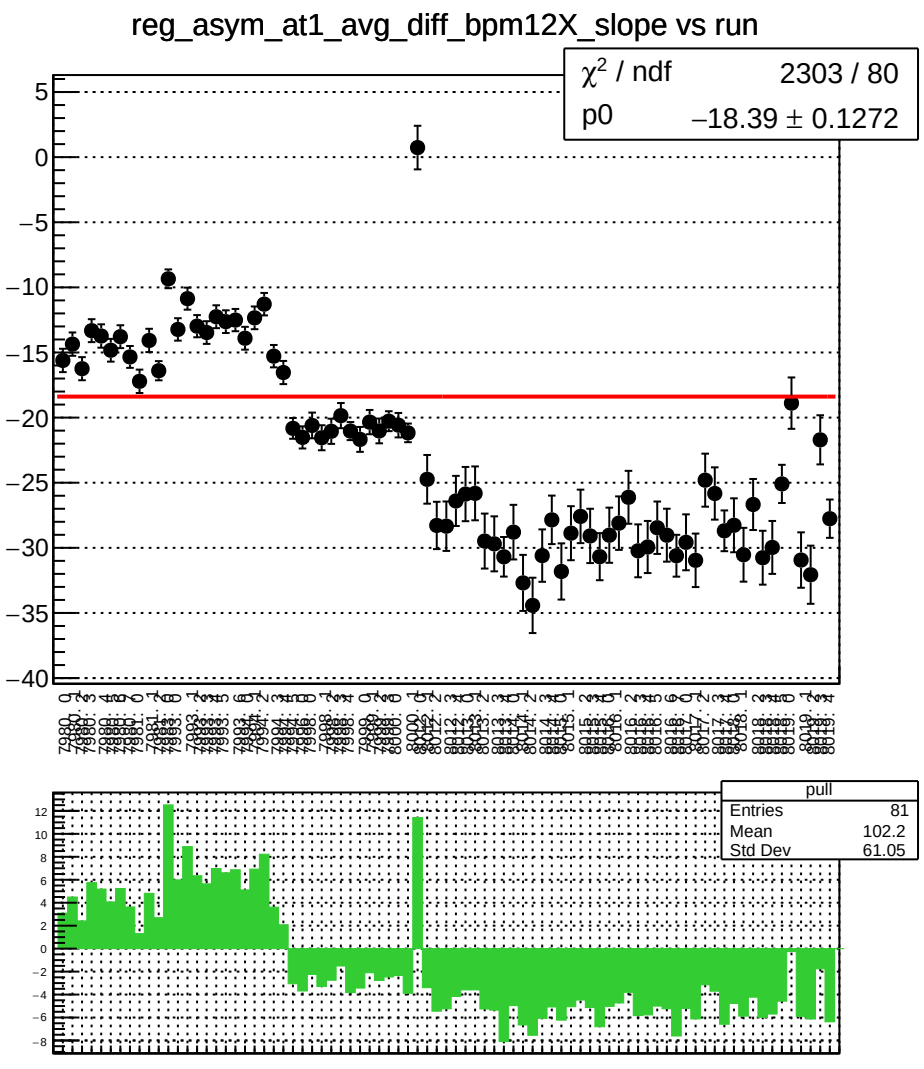

pull1D
Entries 81
Mean 0.006148
Std Dev 0.9142
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

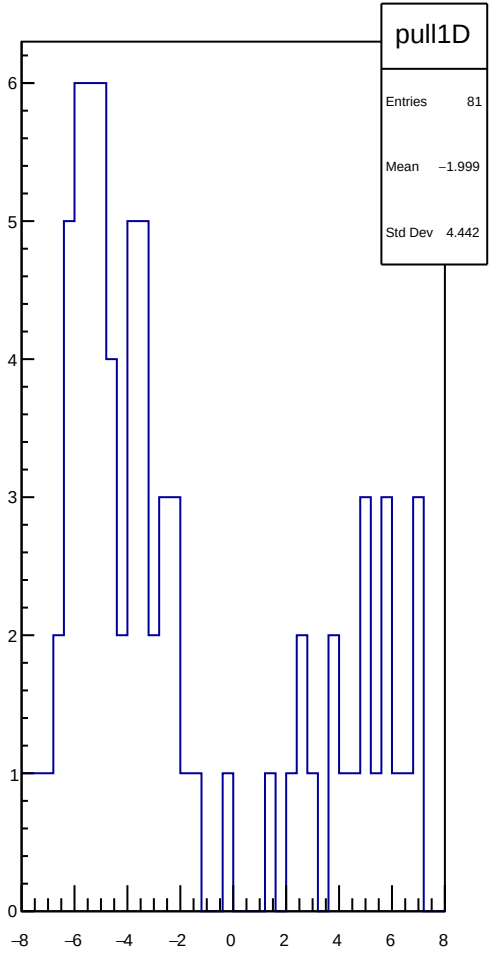

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 164.2 / 80
p0 24.16 ± 2.377
pull
Entries 81
Mean −178.2
Std Dev 215.8

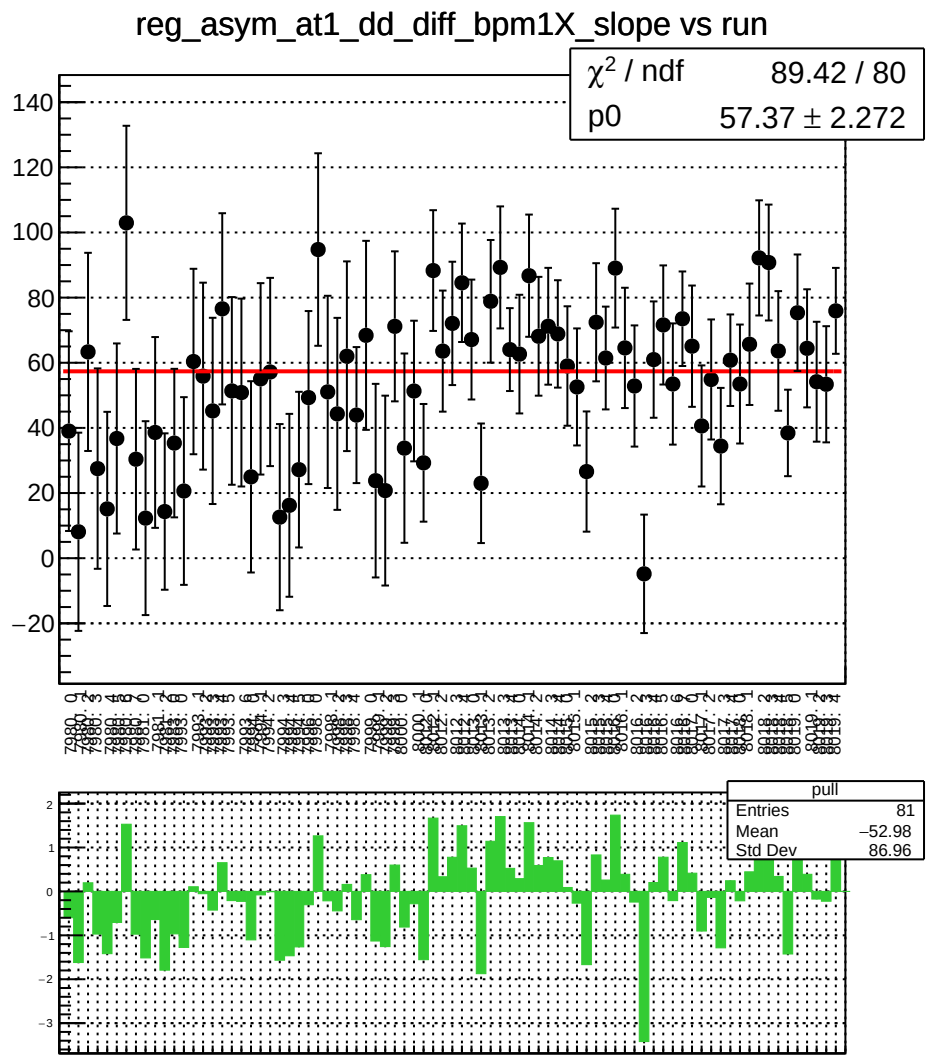

pull1D
Entries 81
Mean −0.07962
Std Dev 1.421

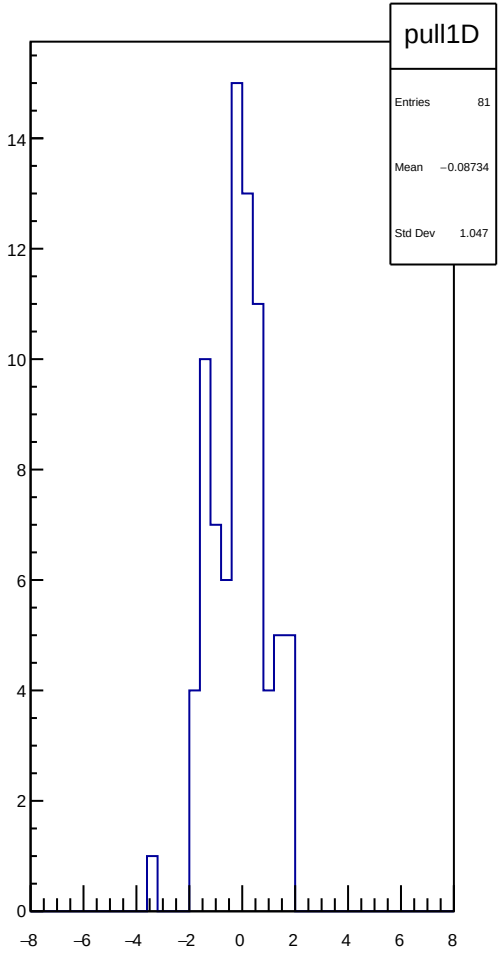

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 67.54 / 80
p0 −1.313 ± 3.566
100
50
0
−50
−100
pull
Entries 81
Mean 1197
Std Dev 1161
2
1
0
−1
−2

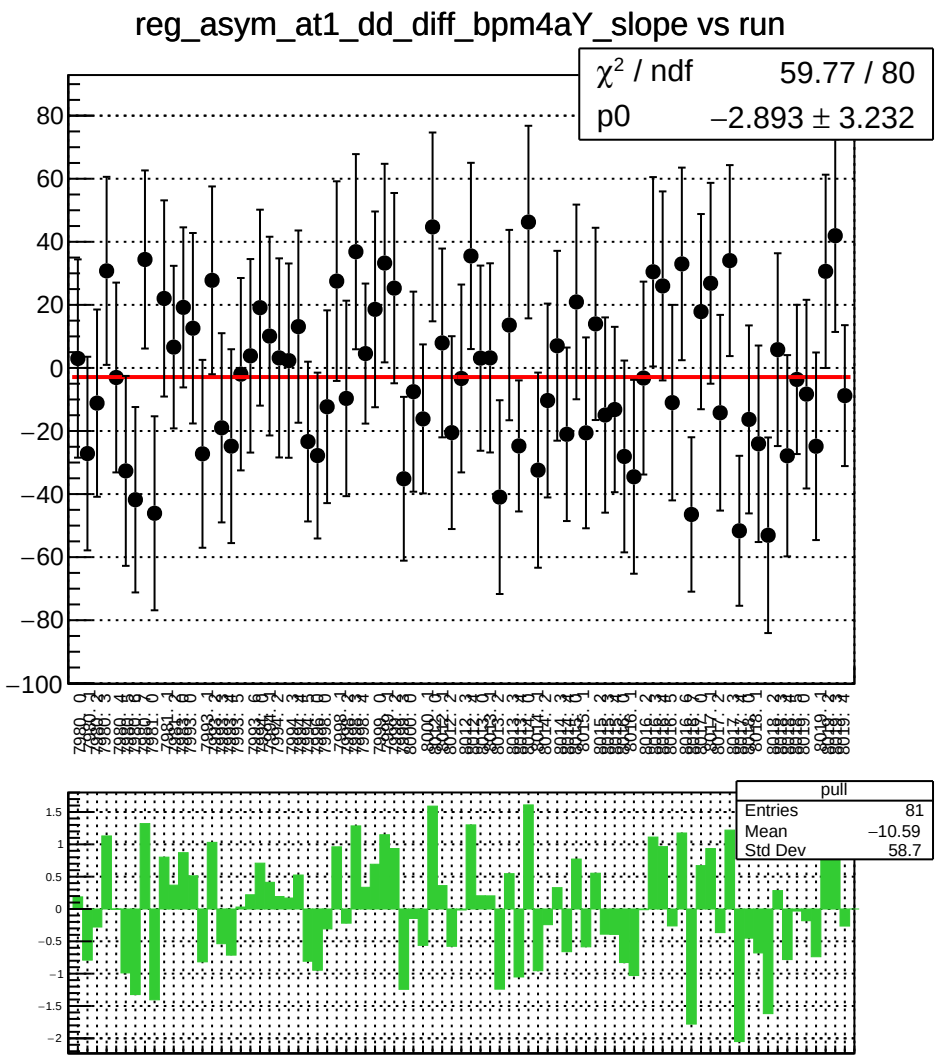

pull1D
Entries 81
Mean −0.004229
Std Dev 0.9131
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

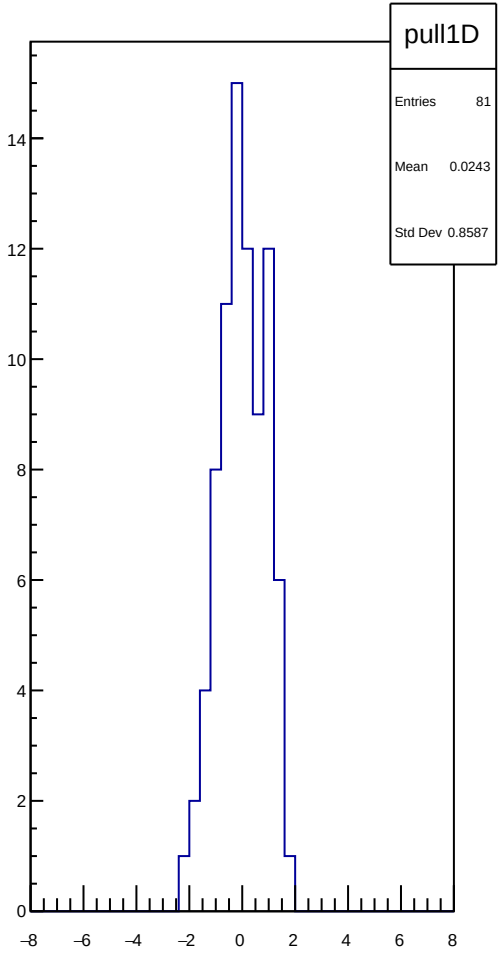

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 2303 / 80
p0 −18.39 ± 0.1272
pull
Entries 81
Mean 102.2
Std Dev 61.05

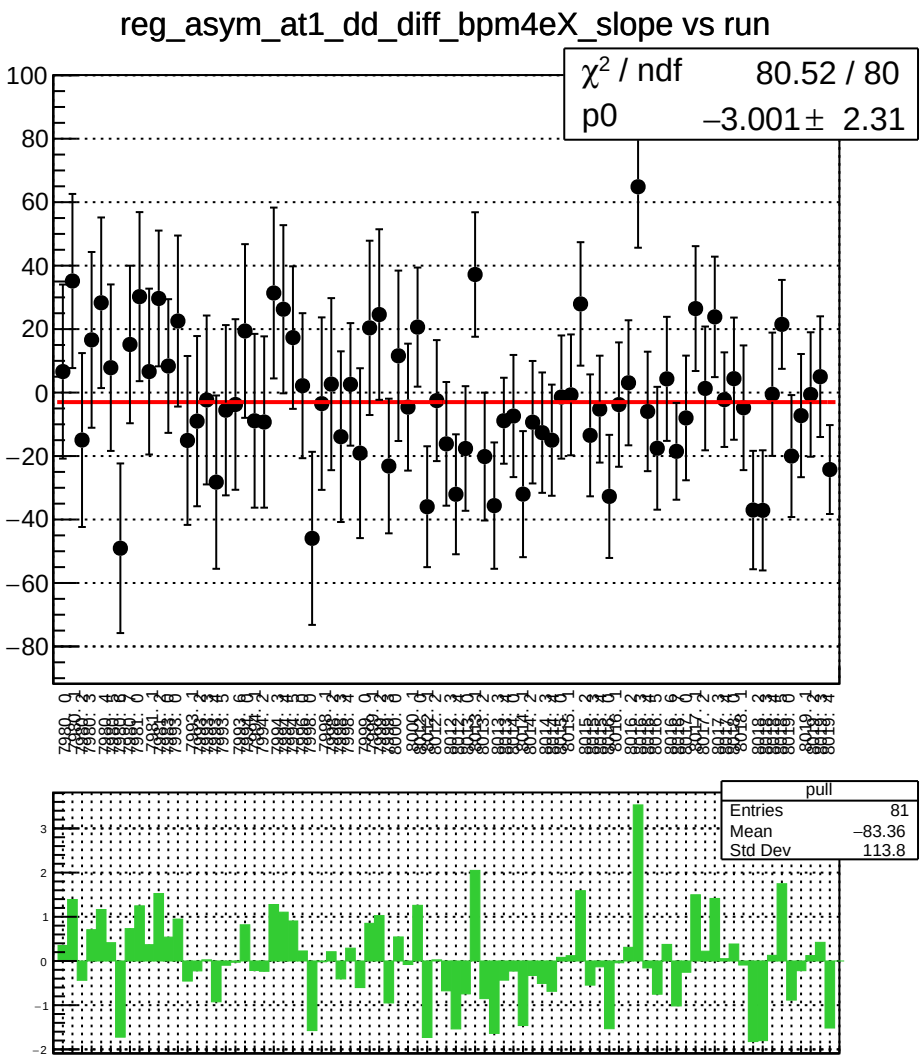

pull1D
Entries 81
Mean −1.999
Std Dev 4.442

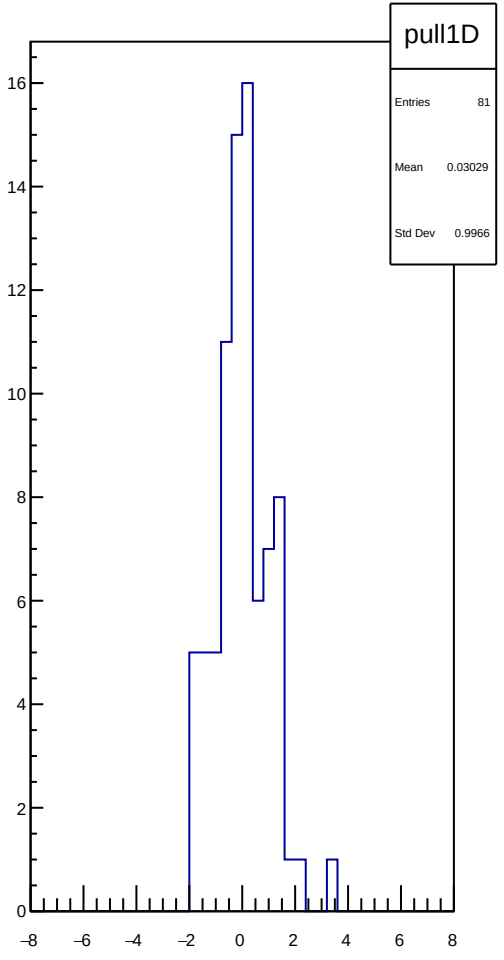

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 89.42 / 80
p0 57.37 ± 2.272
pull
Entries 81
Mean −52.98
Std Dev 86.96

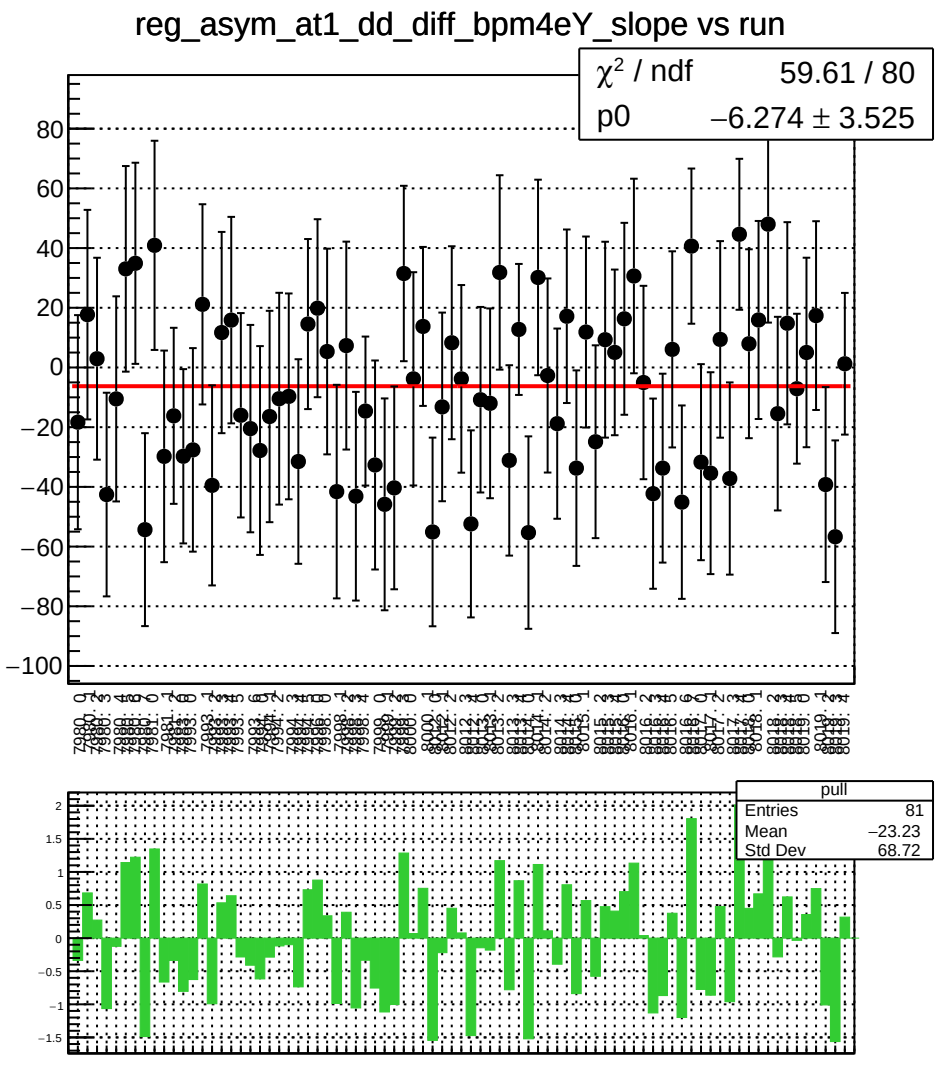

pull1D
Entries 81
Mean −0.08734
Std Dev 1.047

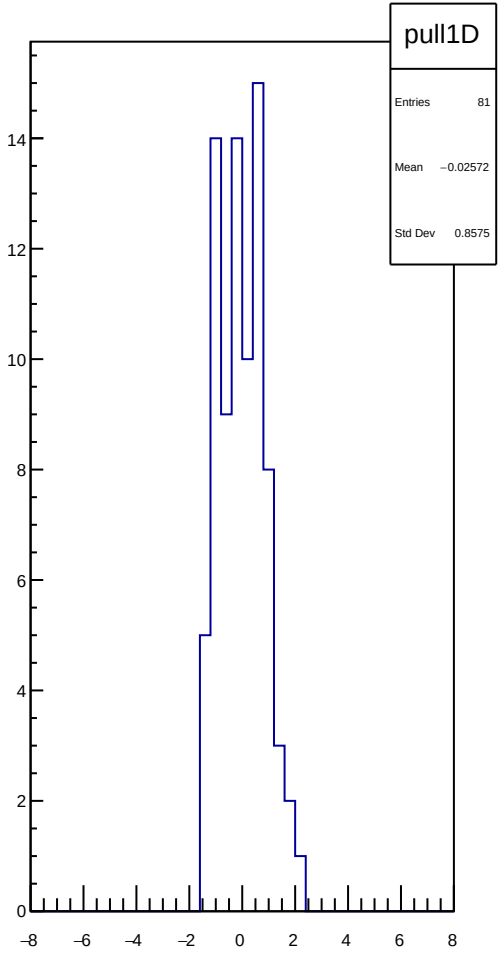

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.77 / 80
p0 −2.893 ± 3.232
pull
Entries 81
Mean −10.59
Std Dev 58.7

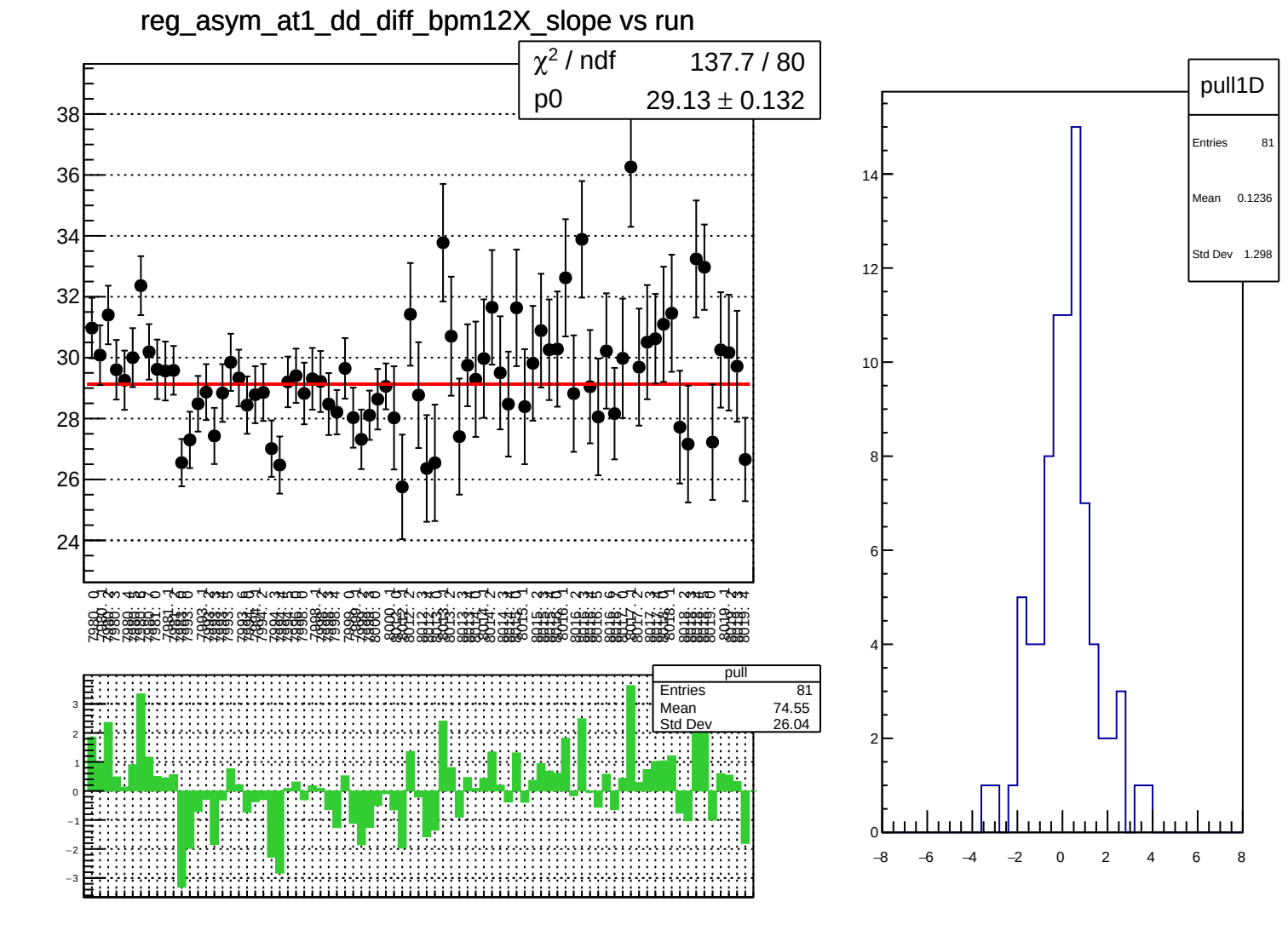

pull1D
Entries 81
Mean 0.0243
Std Dev 0.8587

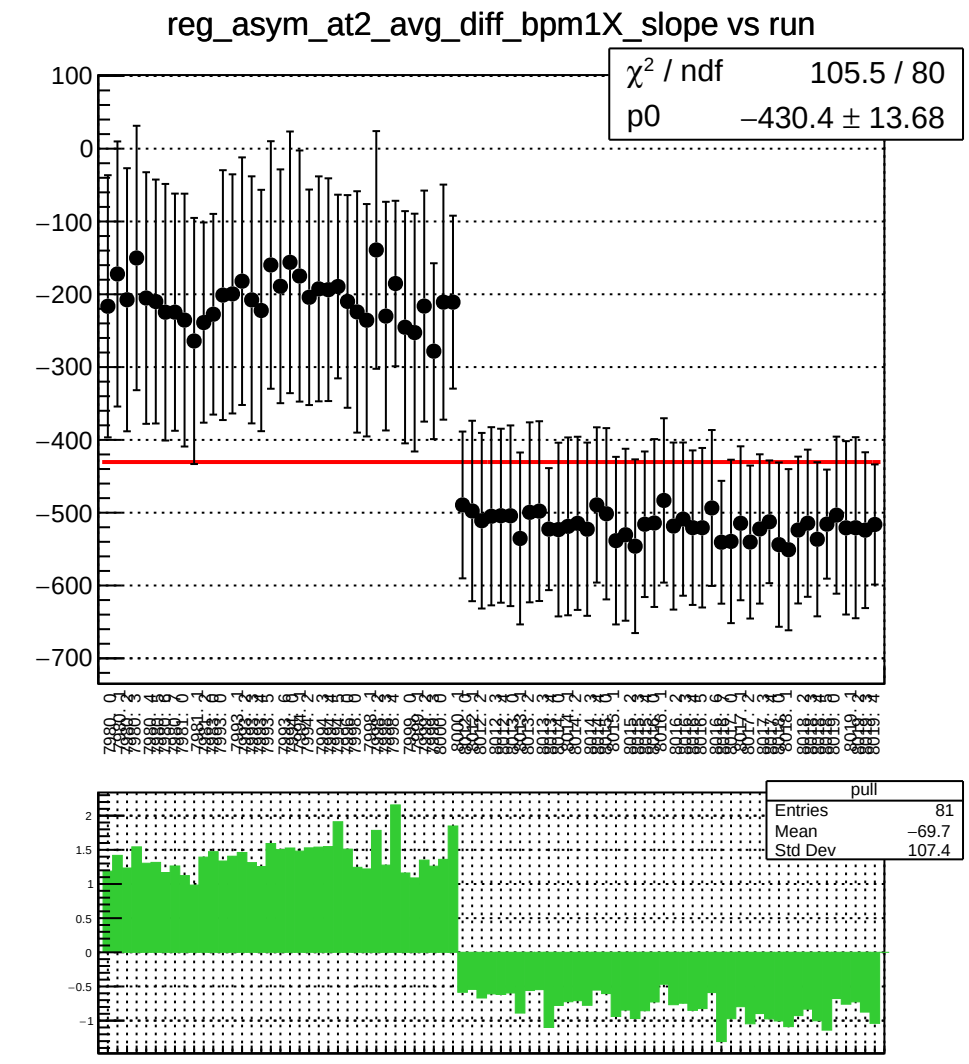

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.52 / 80
p0 −3.001 ± 2.31
pull
Entries 81
Mean −83.36
Std Dev 113.8

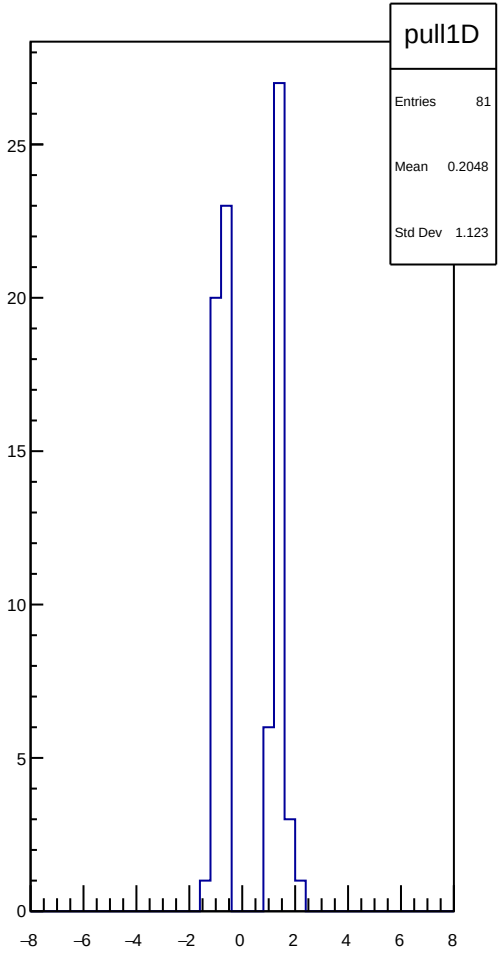

pull1D
Entries 81
Mean 0.03029
Std Dev 0.9966

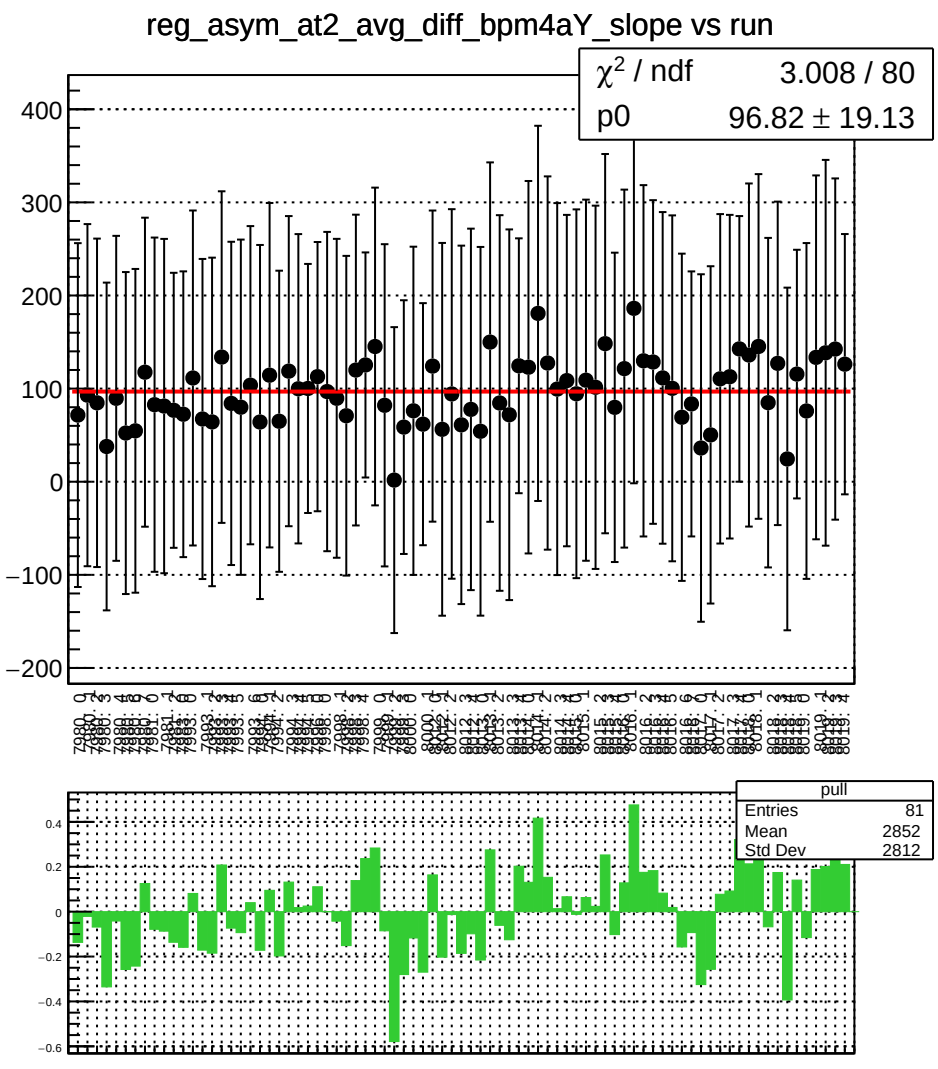

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.61 / 80
p0 −6.274 ± 3.525
pull
Entries 81
Mean −23.23
Std Dev 68.72

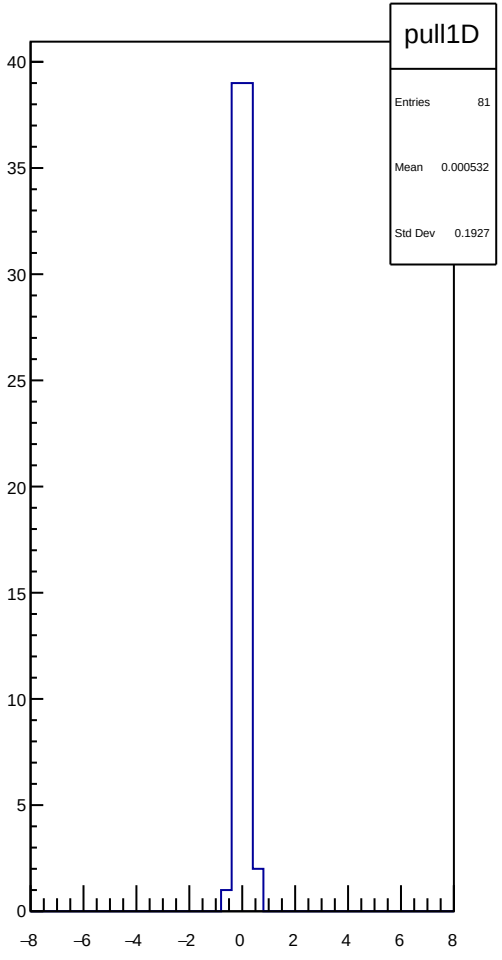

pull1D
Entries 81
Mean −0.02572
Std Dev 0.8575

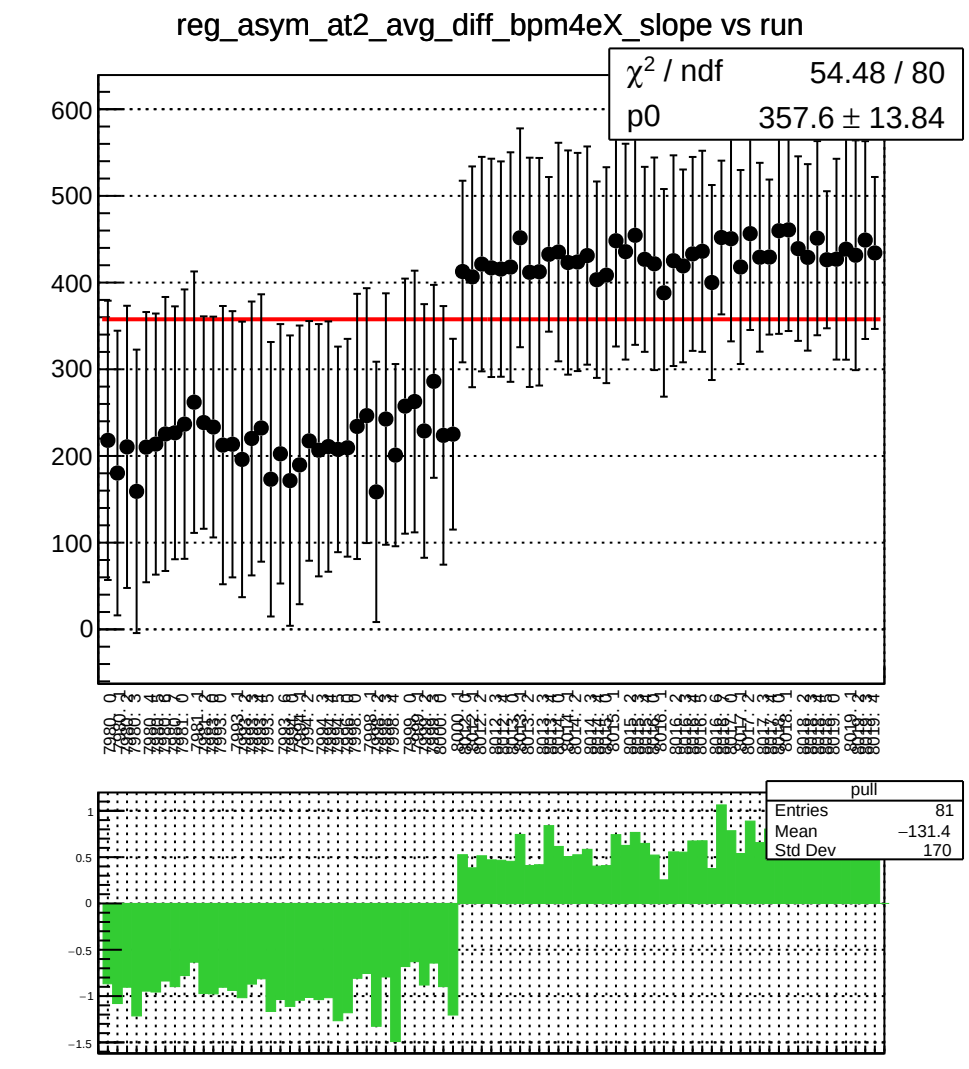

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 137.7 / 80
p0 29.13 ± 0.132
pull
Entries 81
Mean 74.55
Std Dev 26.04
pull1D
Entries 81
Mean 0.1236
Std Dev 1.298

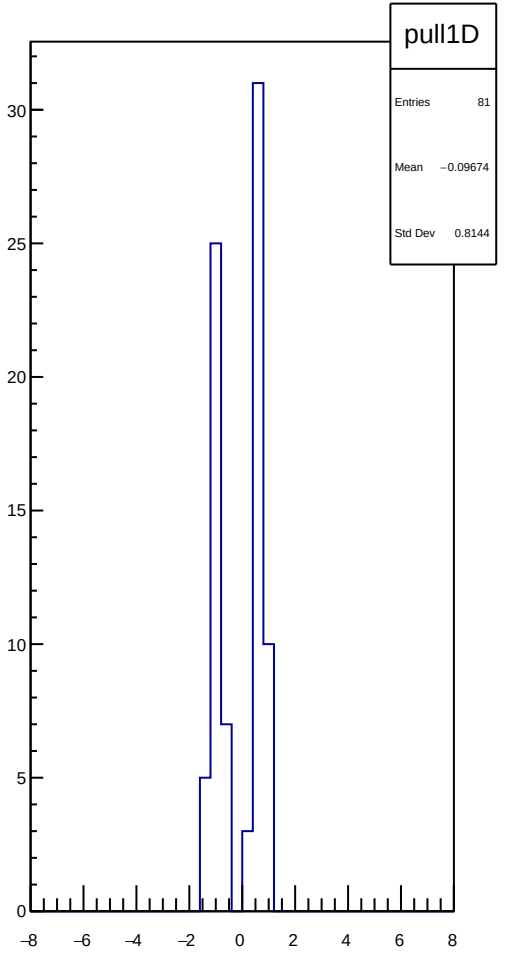

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 105.5 / 80
p0 −430.4 ± 13.68
pull
Entries 81
Mean −69.7
Std Dev 107.4

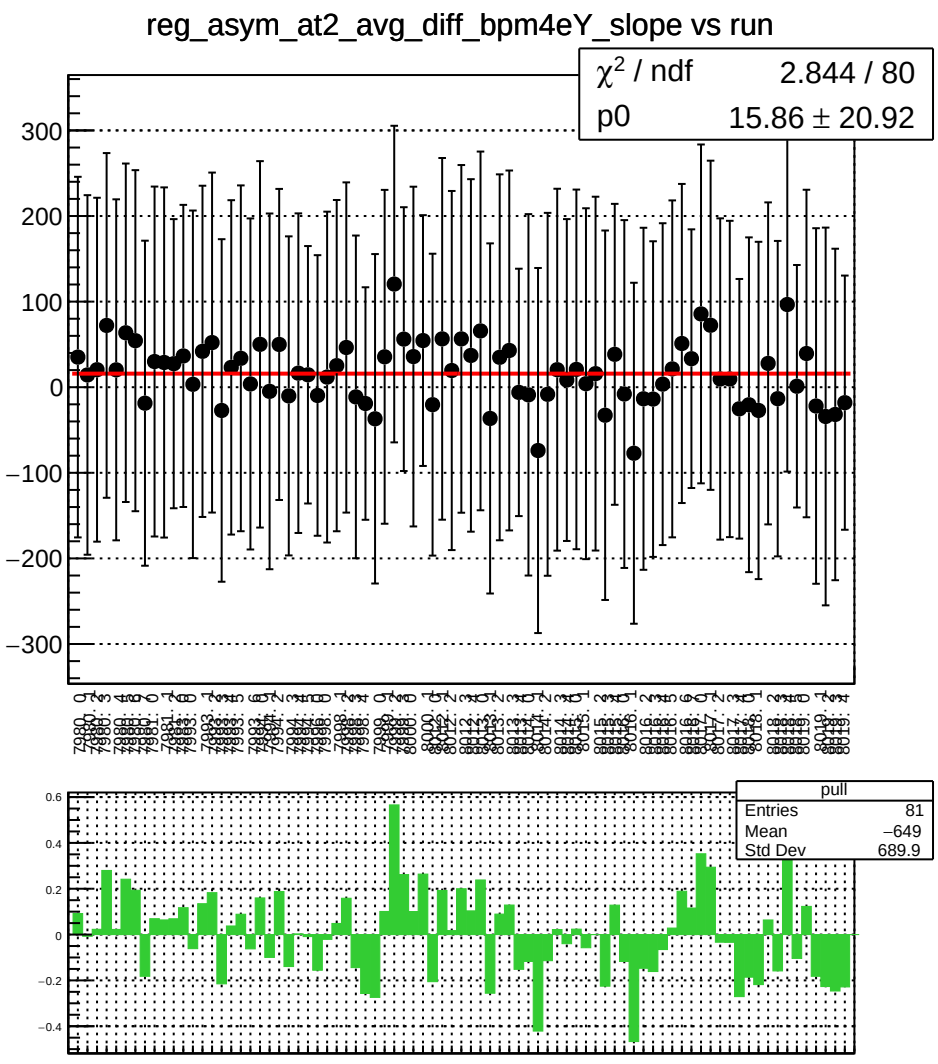

pull1D
Entries 81
Mean 0.2048
Std Dev 1.123

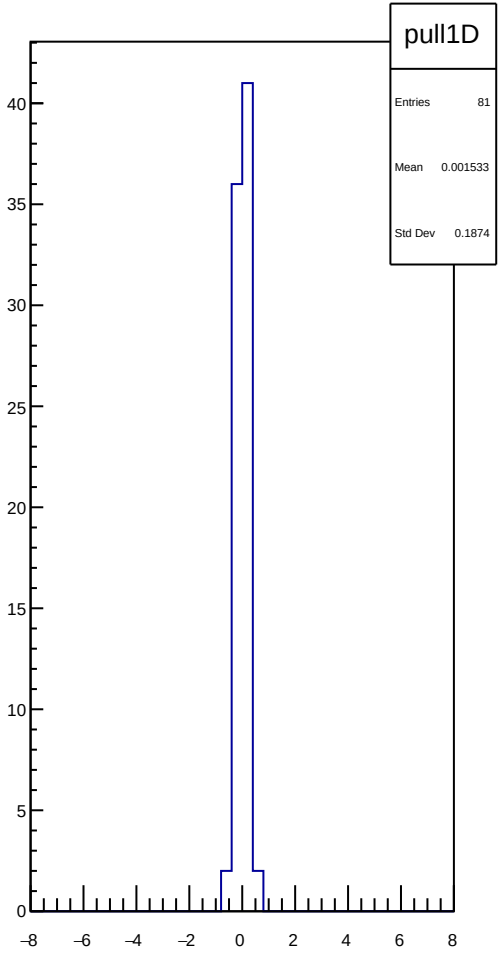

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.008 / 80
p0 96.82 ± 19.13
pull
Entries 81
Mean 2852
Std Dev 2812

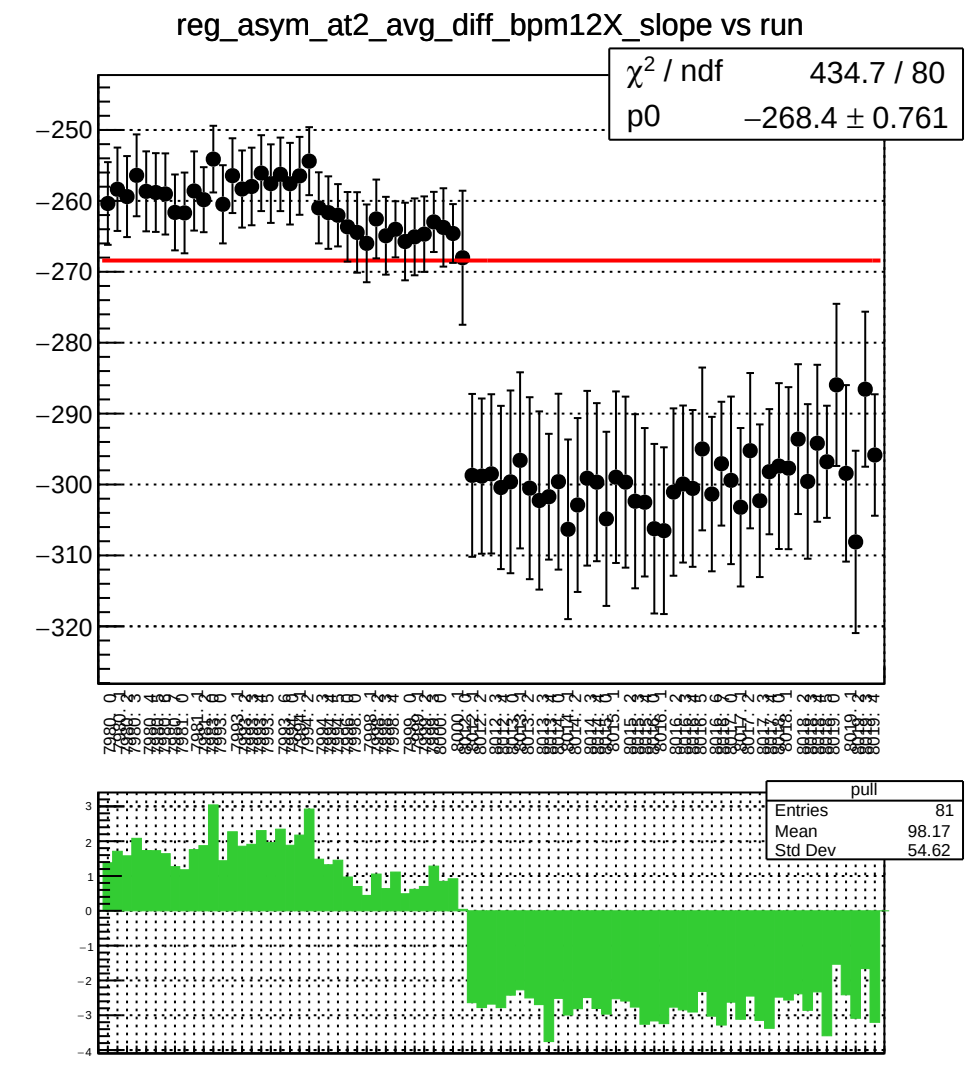

pull1D
Entries 81
Mean 0.000532
Std Dev 0.1927

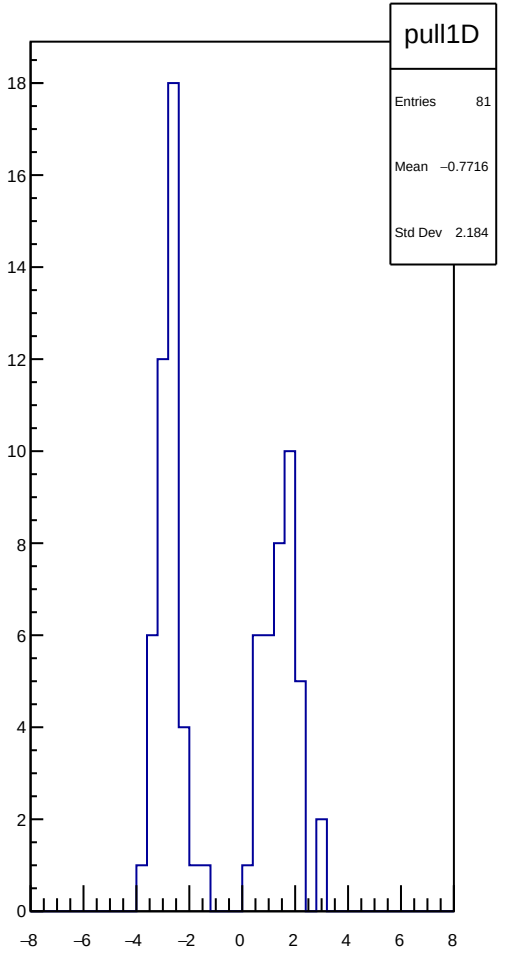

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.48 / 80
p0 357.6 ± 13.84
pull
Entries 81
Mean −131.4
Std Dev 170

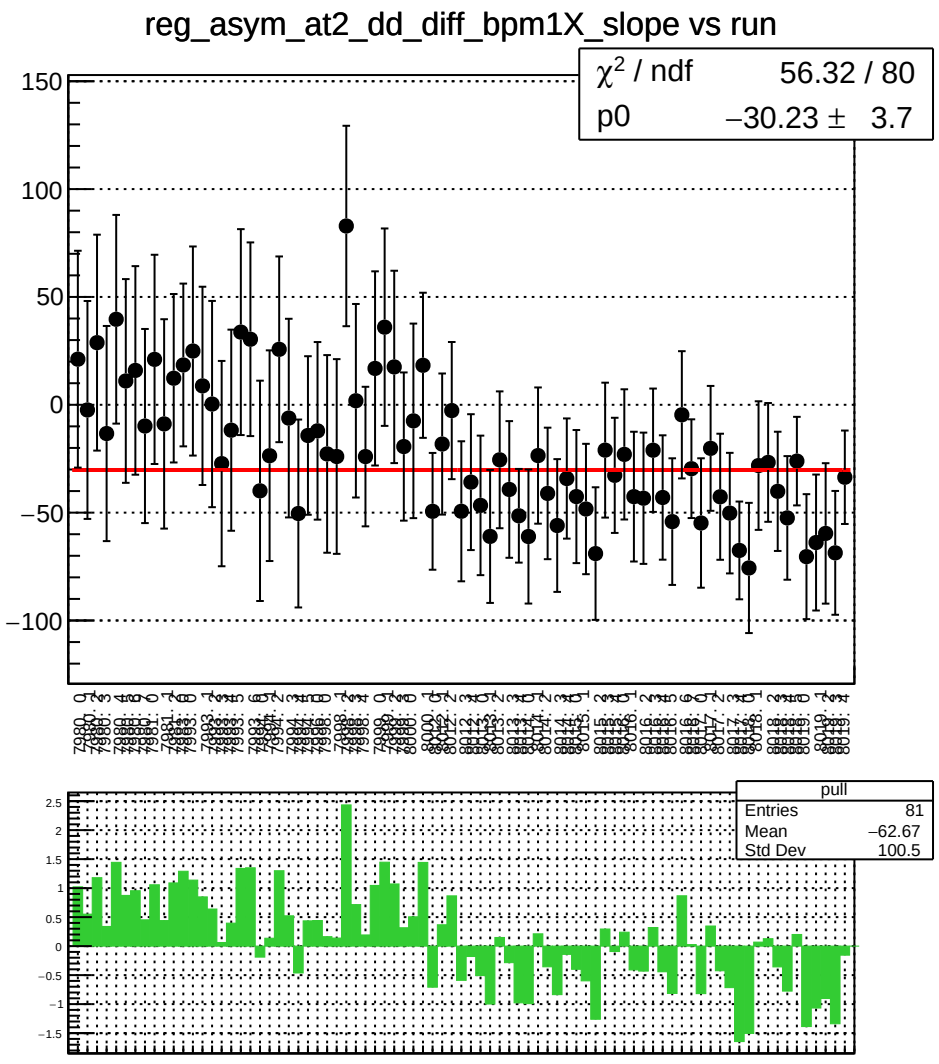

pull1D
Entries 81
Mean −0.09674
Std Dev 0.8144

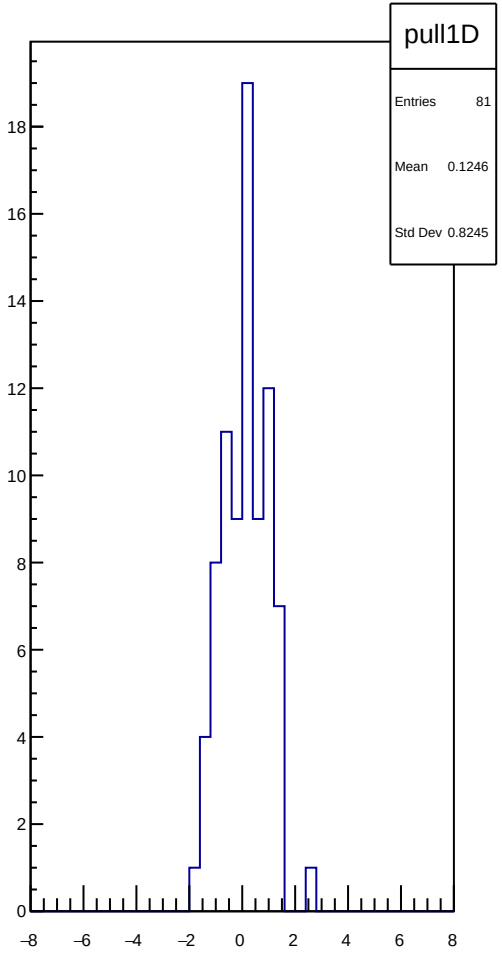

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.844 / 80
p0 15.86 ± 20.92
pull
Entries 81
Mean −649
Std Dev 689.9

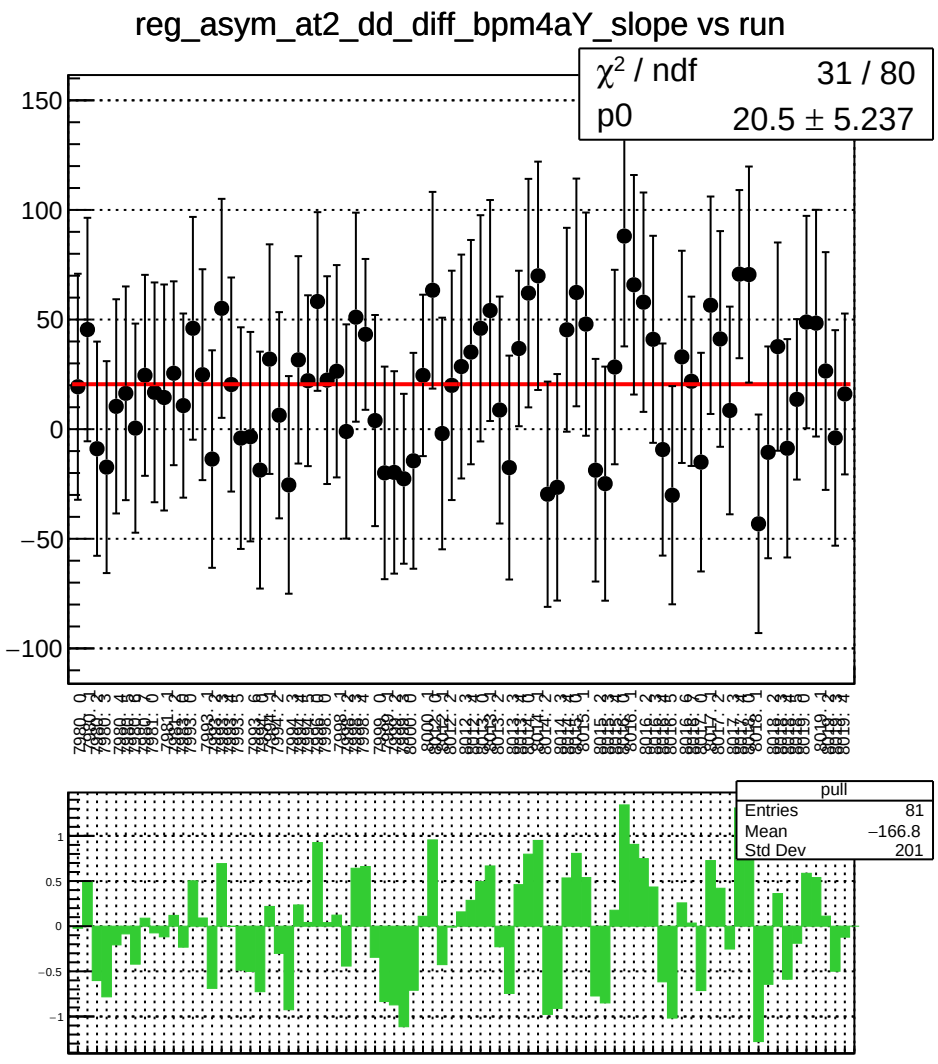

pull1D
Entries 81
Mean 0.001533
Std Dev 0.1874

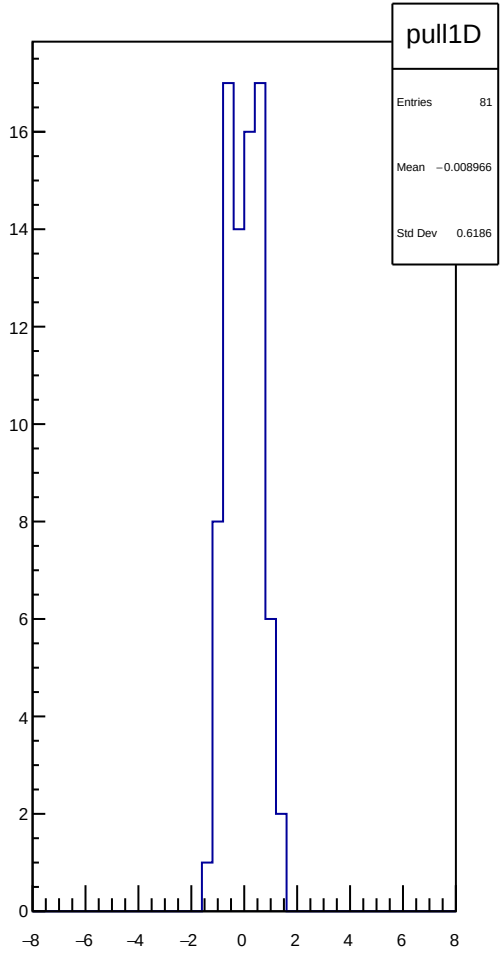

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 434.7 / 80
p0 −268.4 ± 0.761
pull
Entries 81
Mean 98.17
Std Dev 54.62

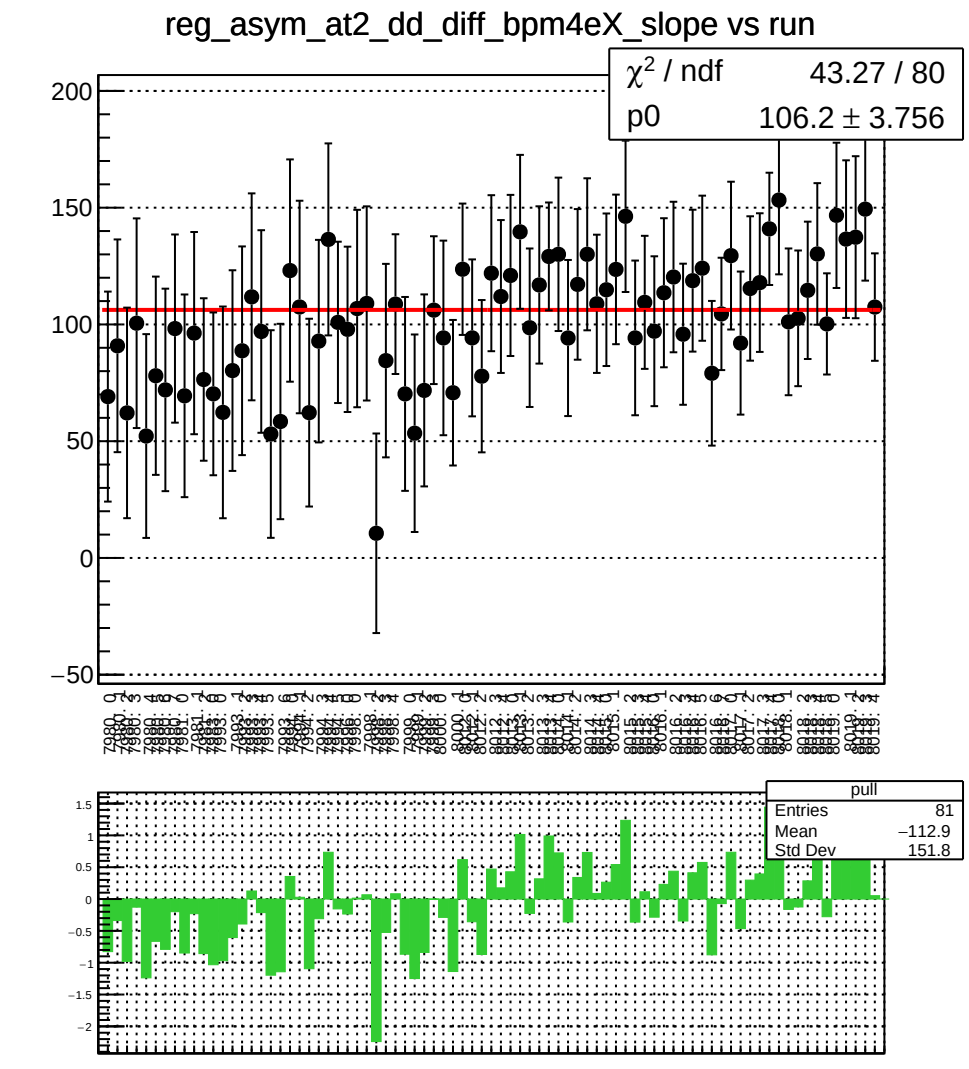

pull1D
Entries 81
Mean −0.7716
Std Dev 2.184

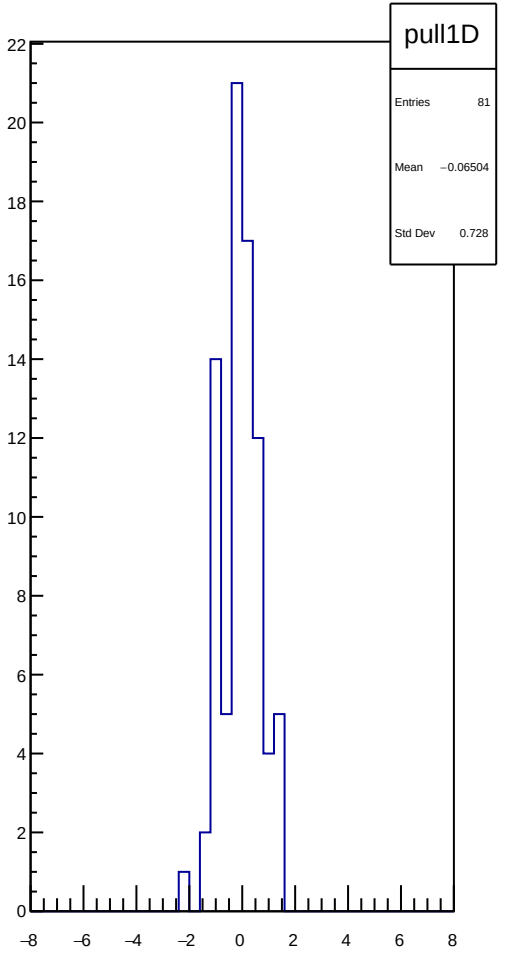

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 56.32 / 80
p0 −30.23 ± 3.7
150
100
50
0
−50
−100
pull
Entries 81
Mean −62.67
Std Dev 100.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

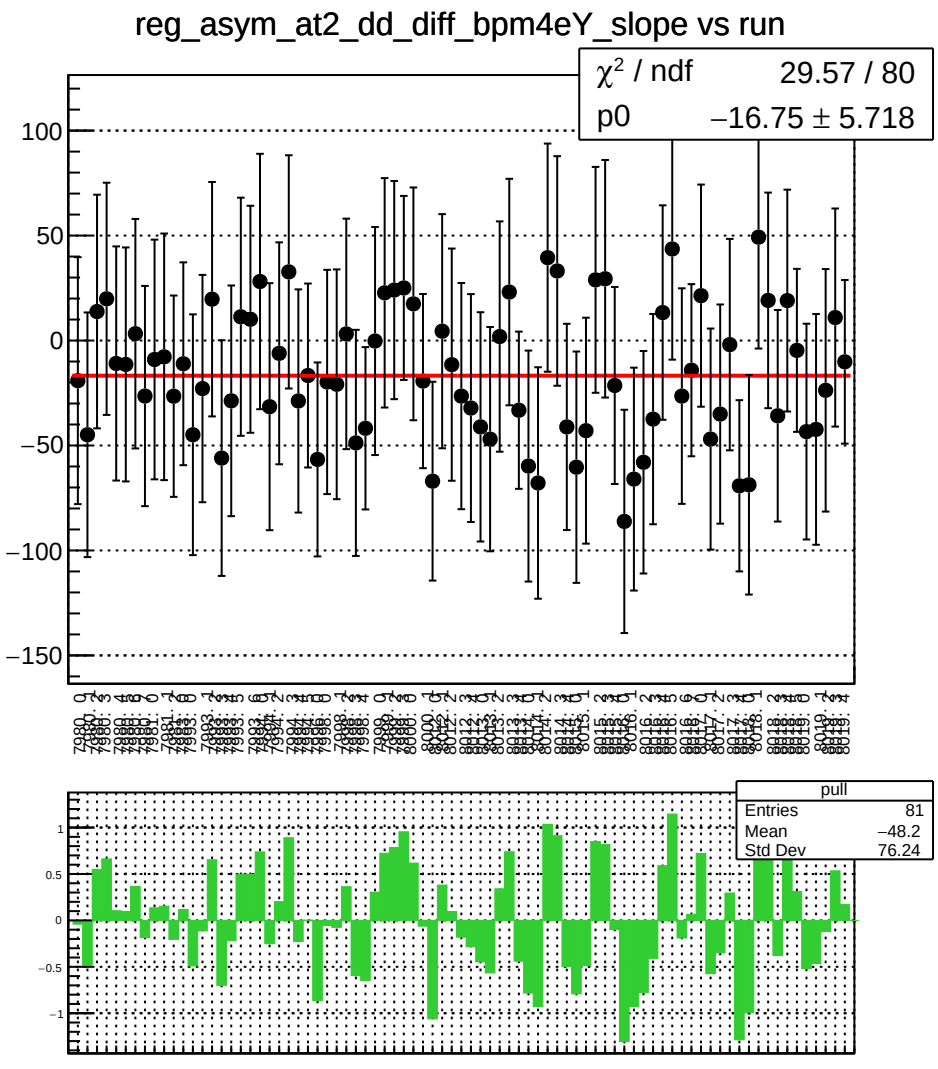

pull1D
Entries 81
Mean 0.1246
Std Dev 0.8245
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

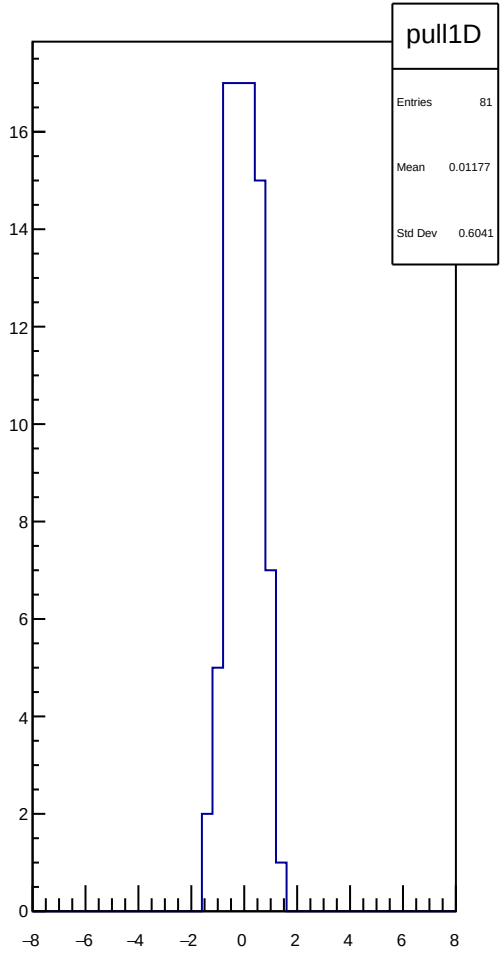

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 31 / 80
p0 20.5 ± 5.237
150
100
50
0
−50
−100
pull
Entries 81
Mean −166.8
Std Dev 201
1
0.5
0
−0.5
−1

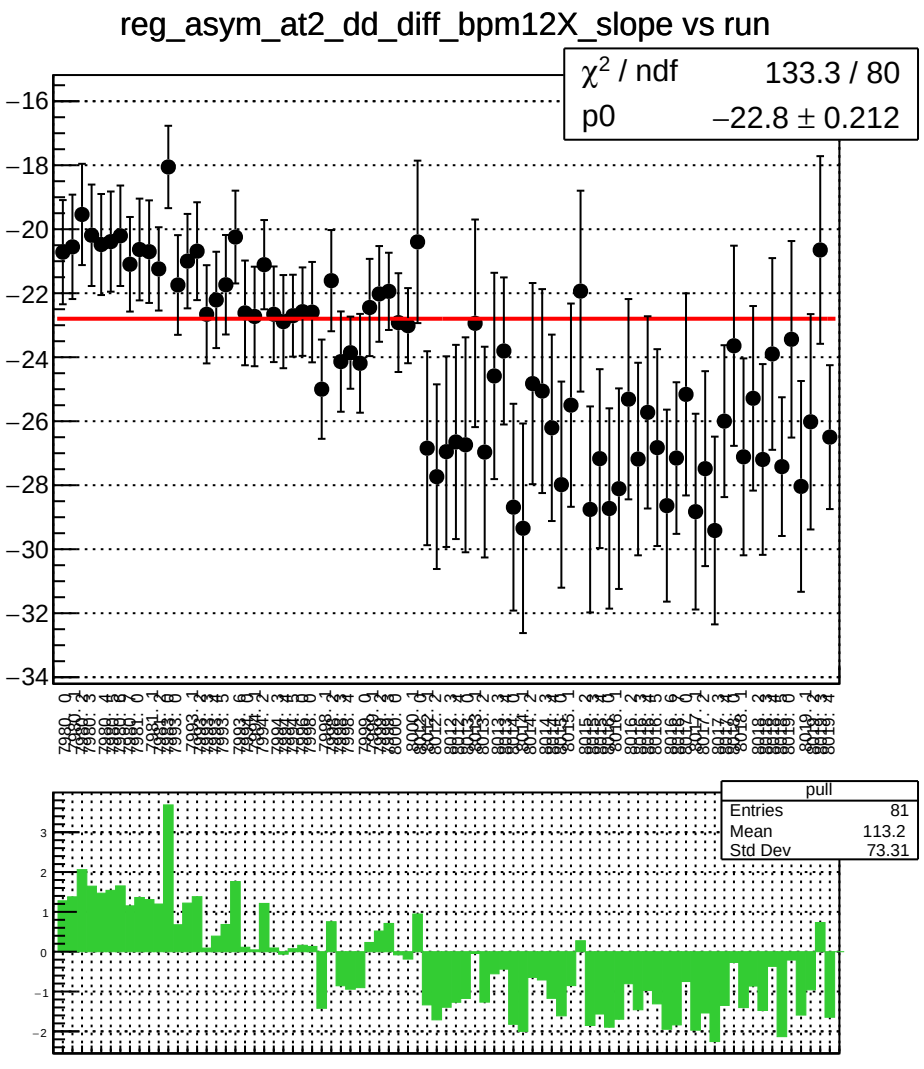

pull1D
Entries 81
Mean −0.008966
Std Dev 0.6186
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

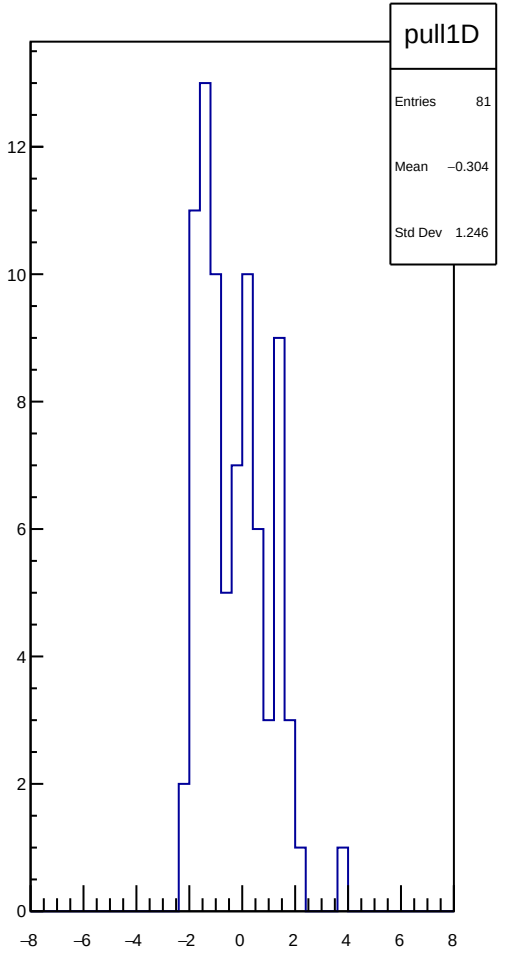

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.27 / 80
p0 106.2 ± 3.756
pull
Entries 81
Mean −112.9
Std Dev 151.8

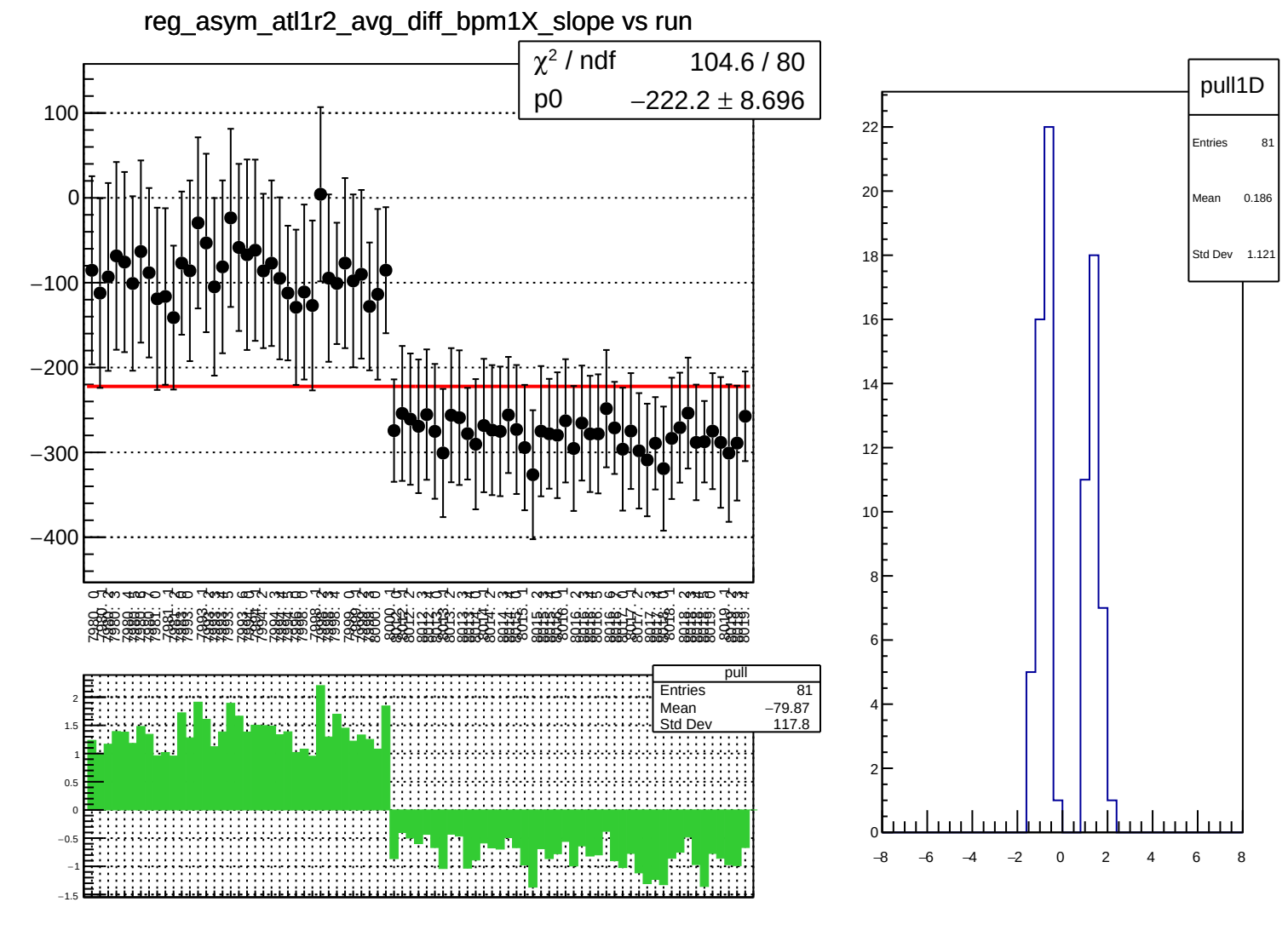

pull1D
Entries 81
Mean −0.06504
Std Dev 0.728

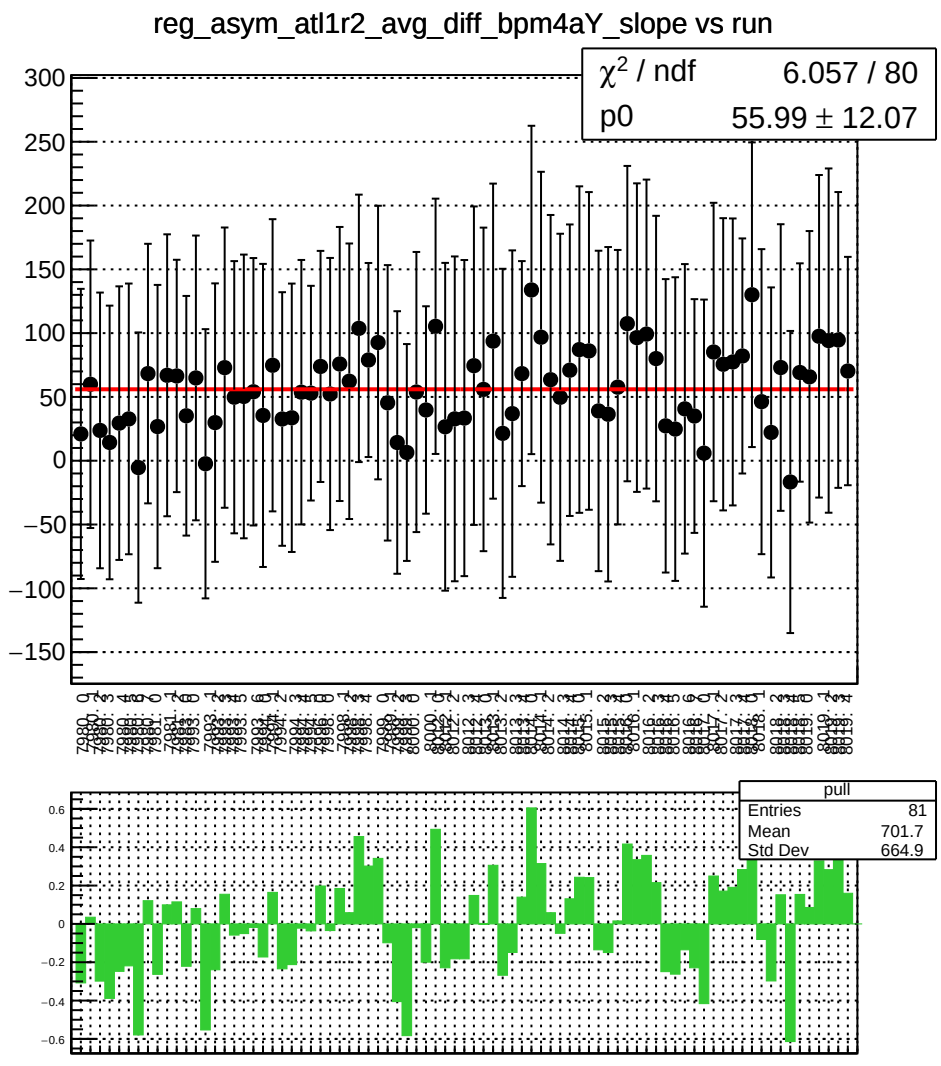

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.57 / 80
p0 −16.75 ± 5.718
100
50
0
−50
−100
−150
pull
Entries 81
Mean −48.2
Std Dev 76.24
1
0.5
0
−0.5
−1

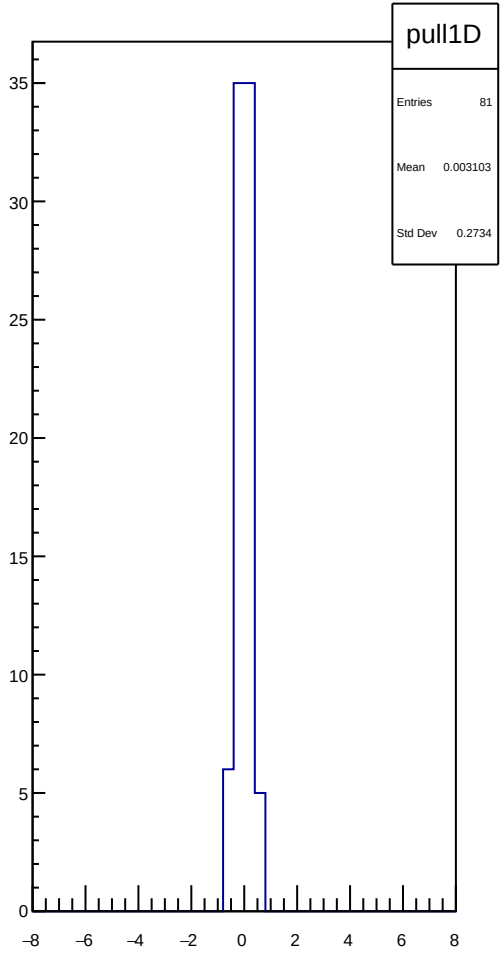

pull1D
Entries 81
Mean 0.01177
Std Dev 0.6041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

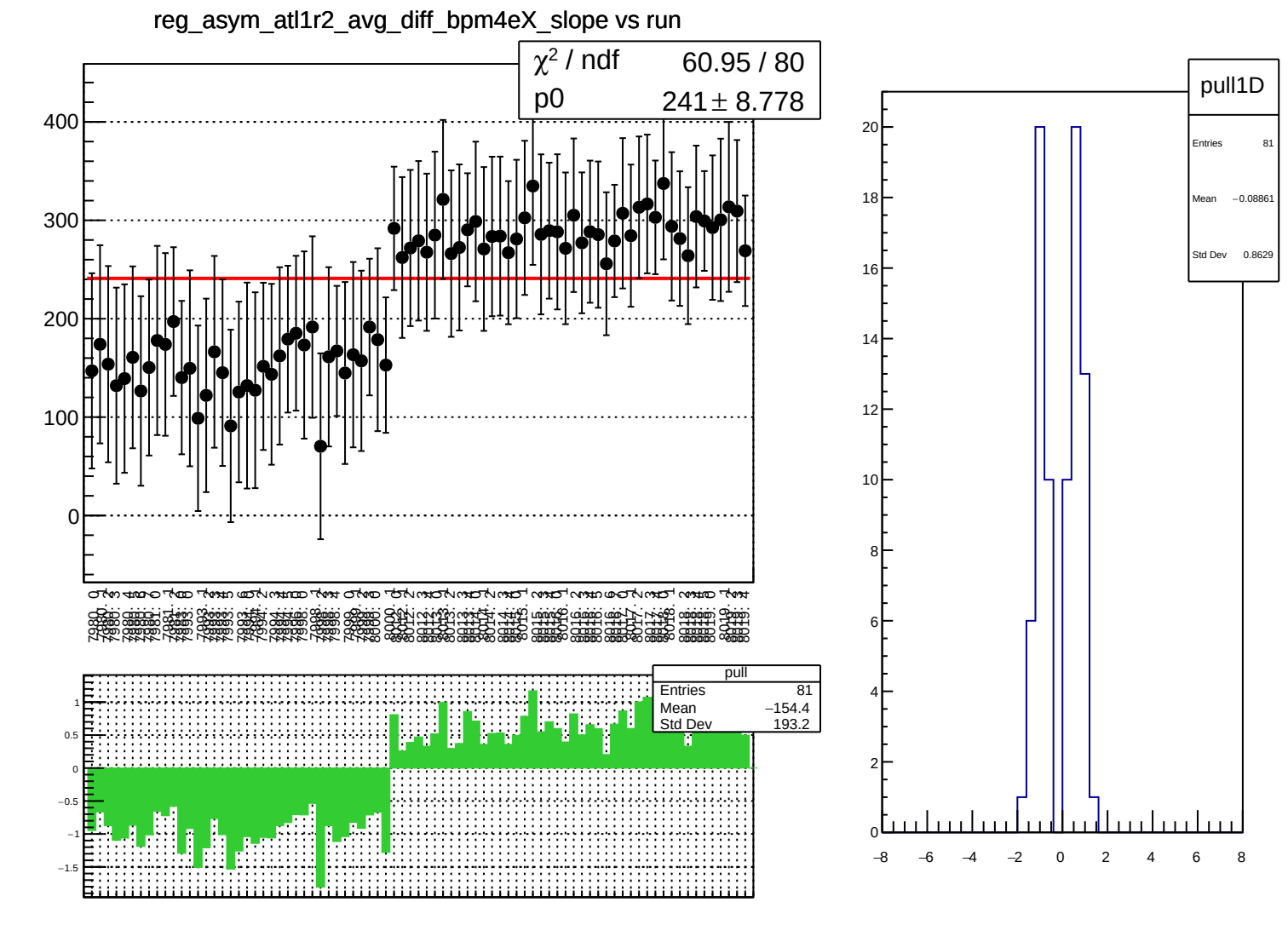

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 133.3 / 80
p0 −22.8 ± 0.212
pull
Entries 81
Mean 113.2
Std Dev 73.31

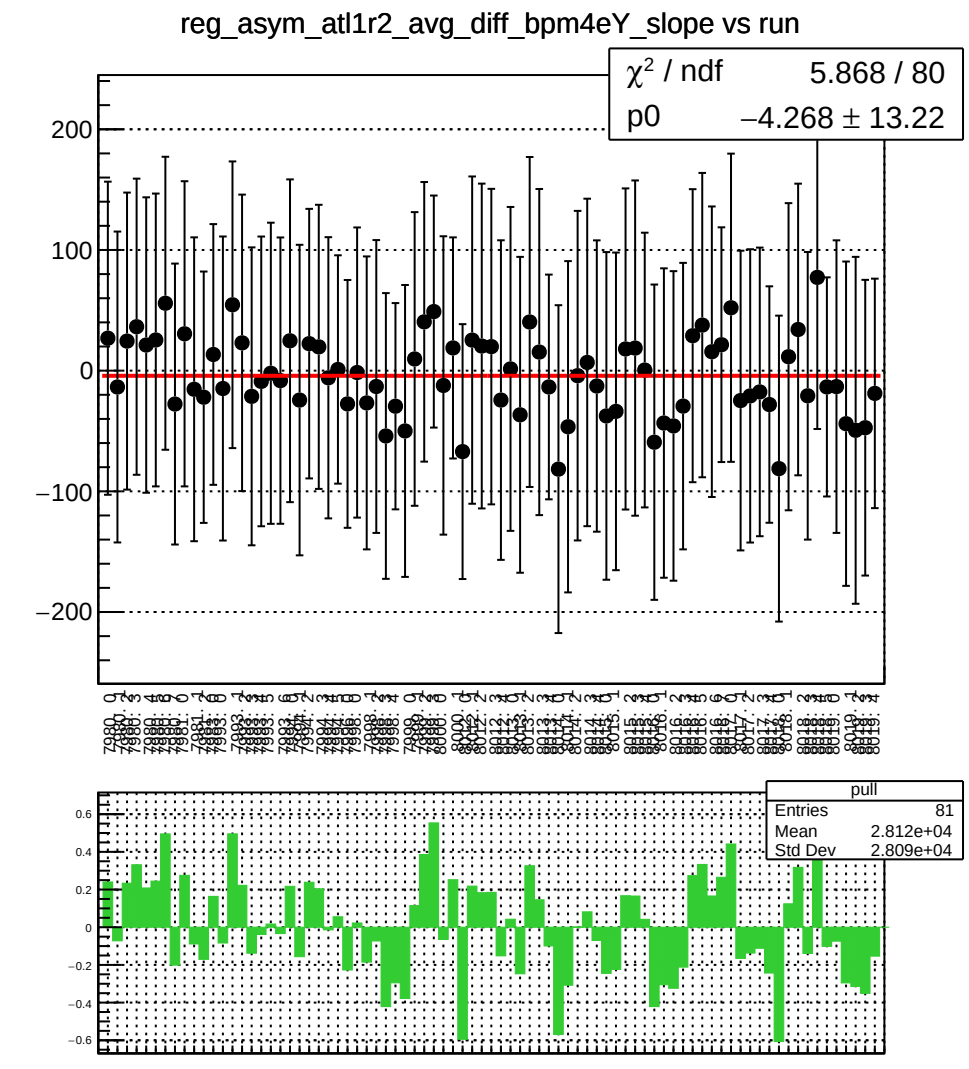

pull1D
Entries 81
Mean −0.304
Std Dev 1.246

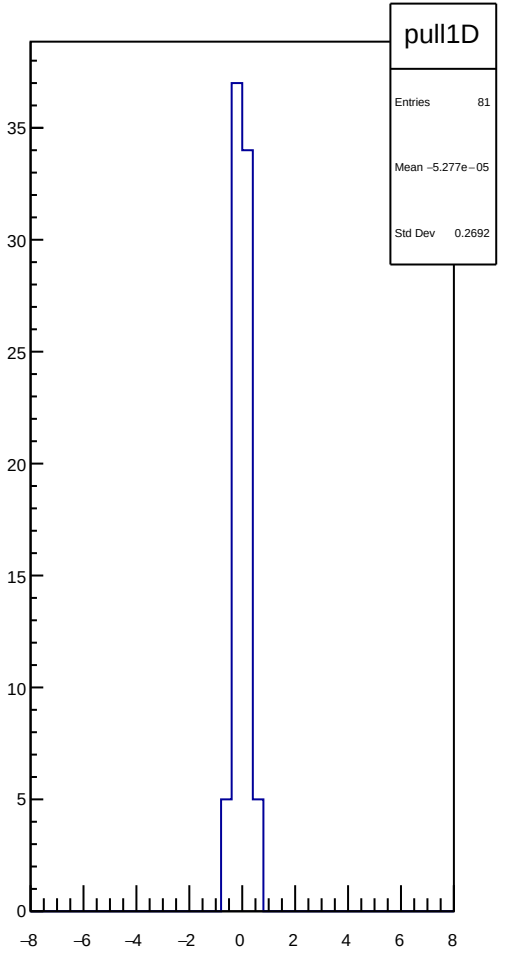

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 80
p0 −222.2 ± 8.696
pull
Entries 81
Mean −79.87
Std Dev 117.8
pull1D
Entries 81
Mean 0.186
Std Dev 1.121

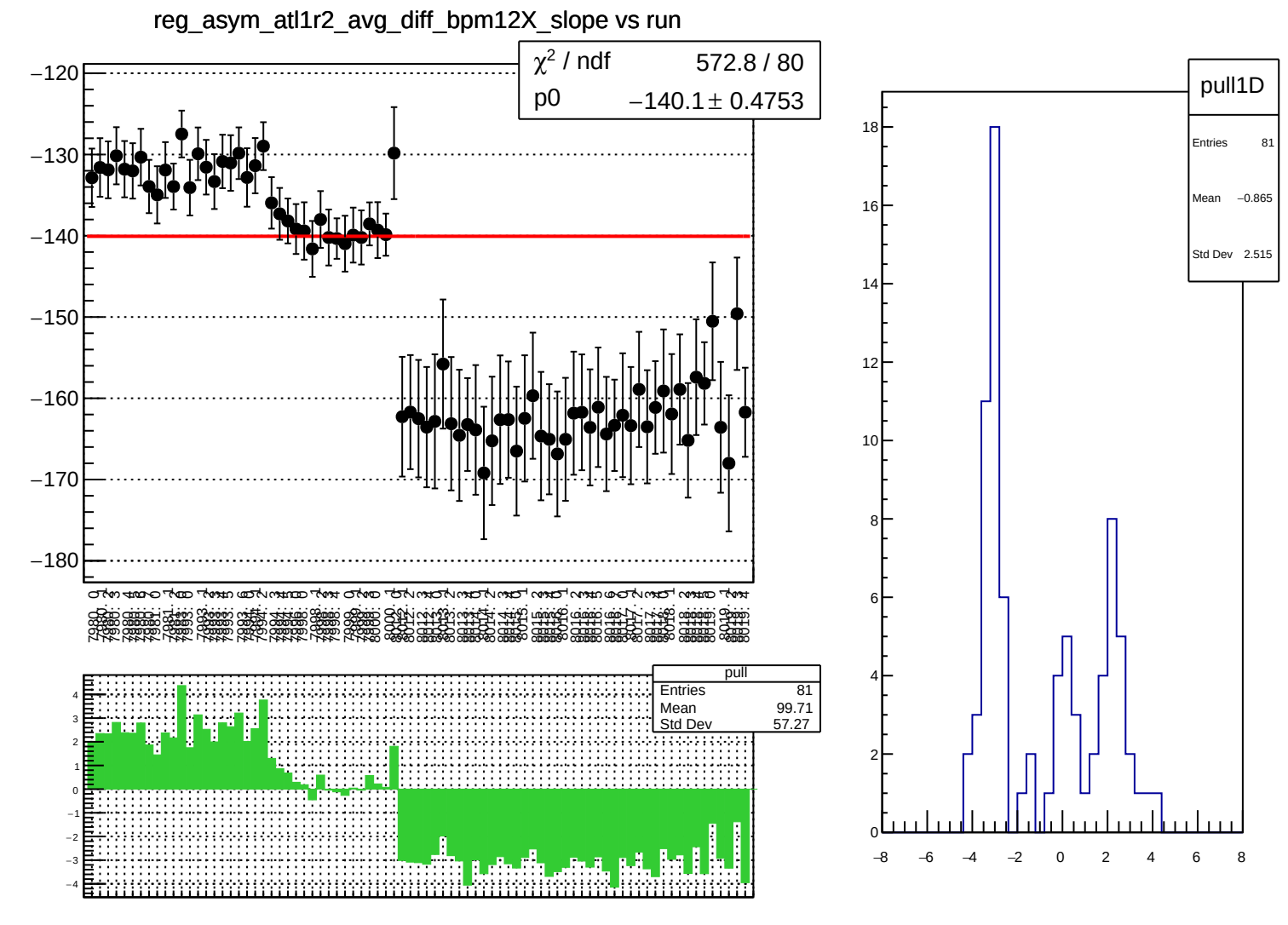

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.057 / 80
p0 55.99 ± 12.07
pull
Entries 81
Mean 701.7
Std Dev 664.9

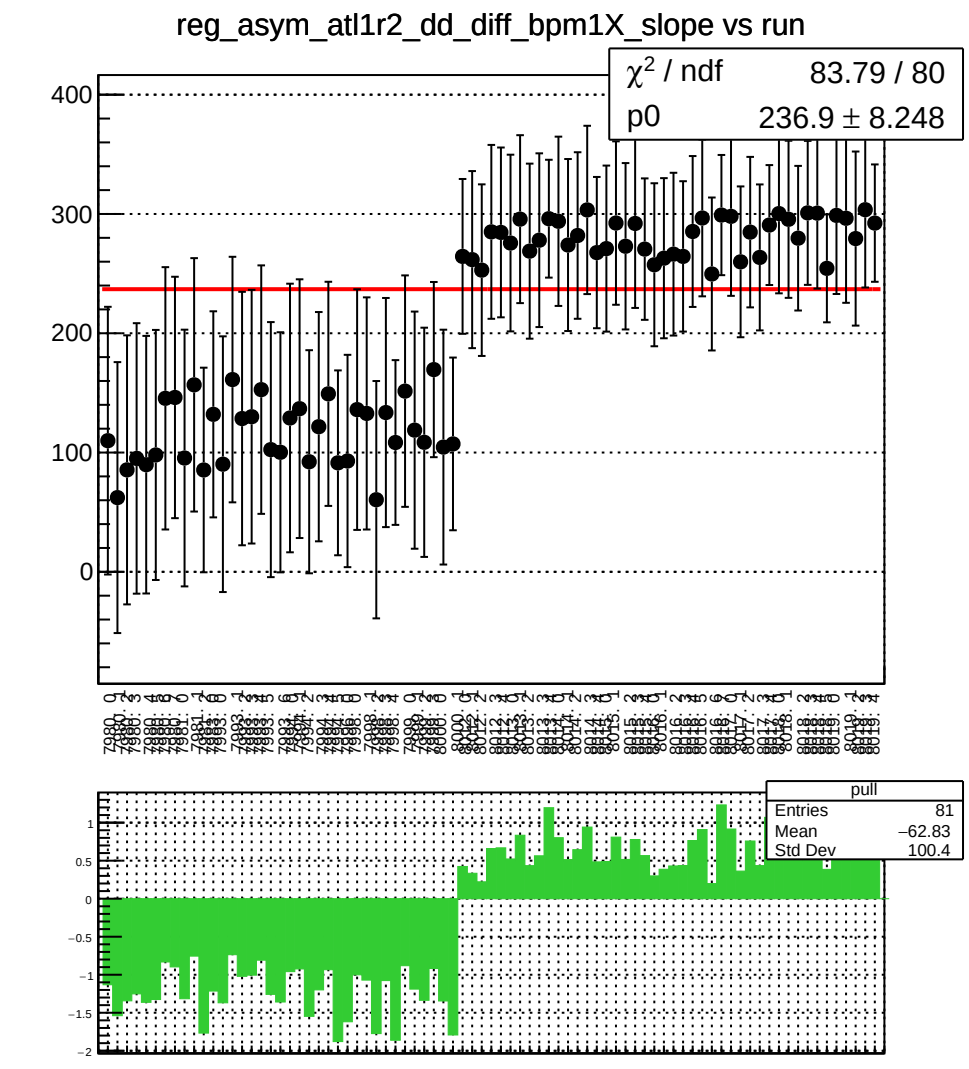

pull1D
Entries 81
Mean 0.003103
Std Dev 0.2734

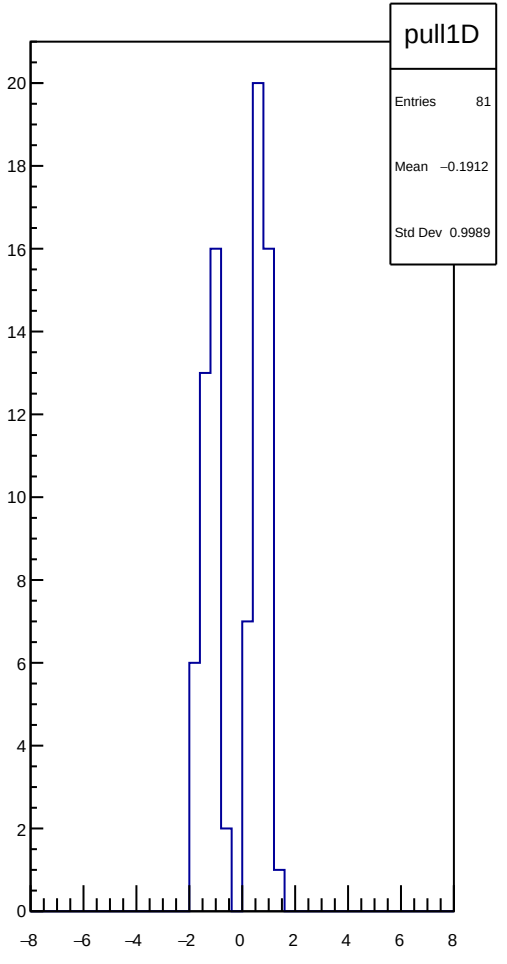

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.95 / 80
p0 241 ± 8.778
pull
Entries 81
Mean −154.4
Std Dev 193.2
pull1D
Entries 81
Mean −0.08861
Std Dev 0.8629

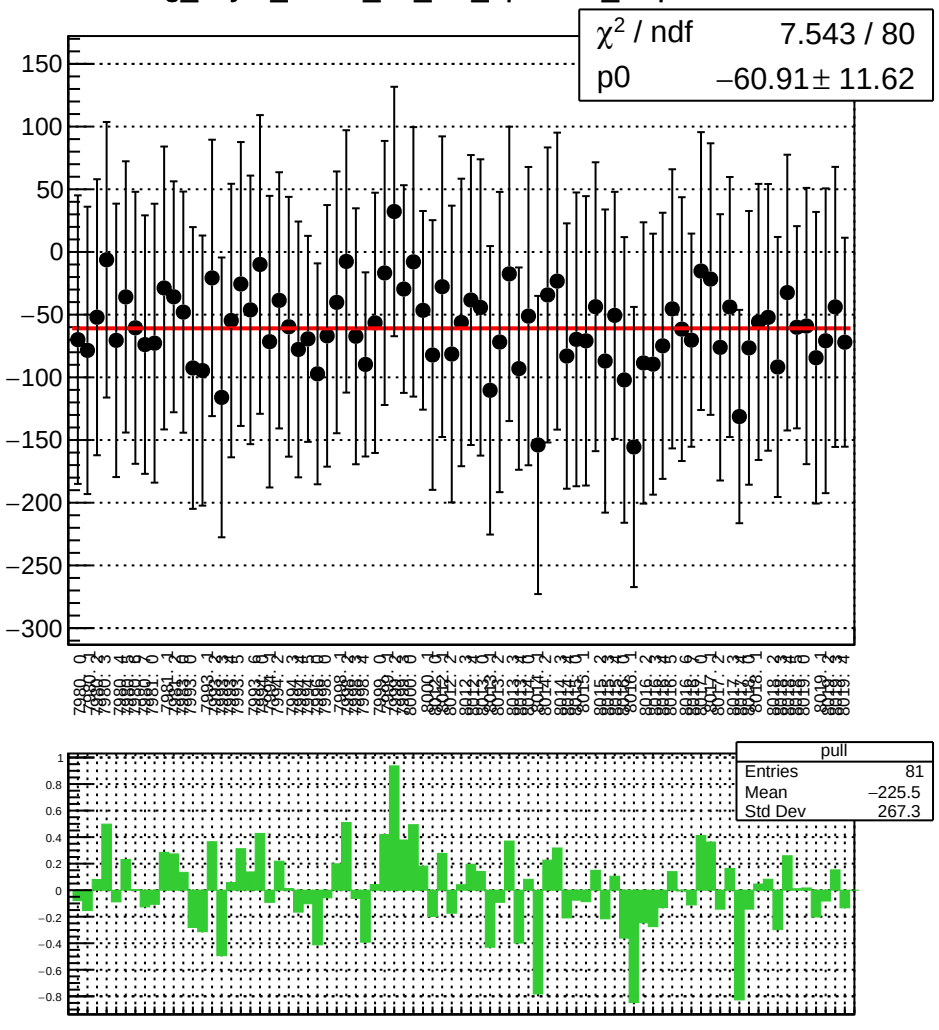

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.868 / 80
p0 −4.268 ± 13.22
200
100
0
−100
−200
pull
Entries 81
Mean 2.812e+04
Std Dev 2.809e+04
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

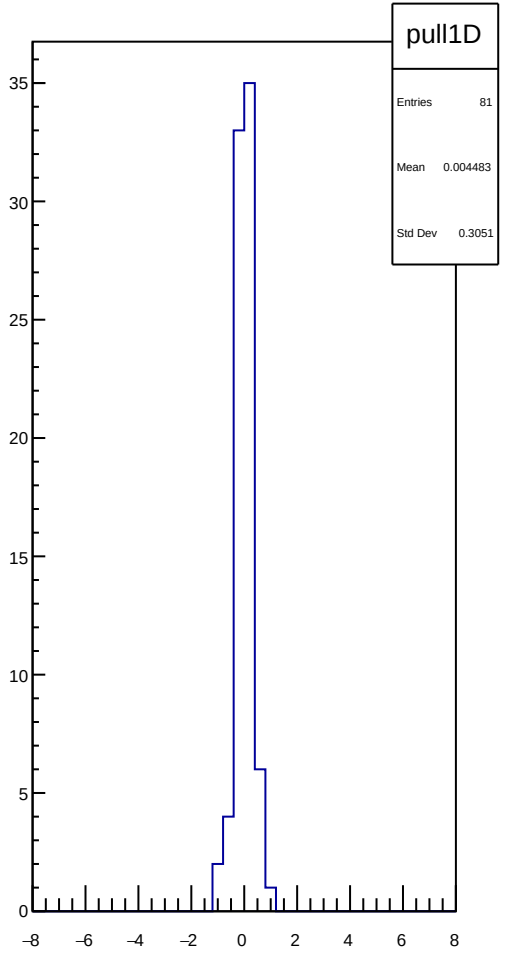

pull1D
Entries 81
Mean −5.277e−05
Std Dev 0.2692
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

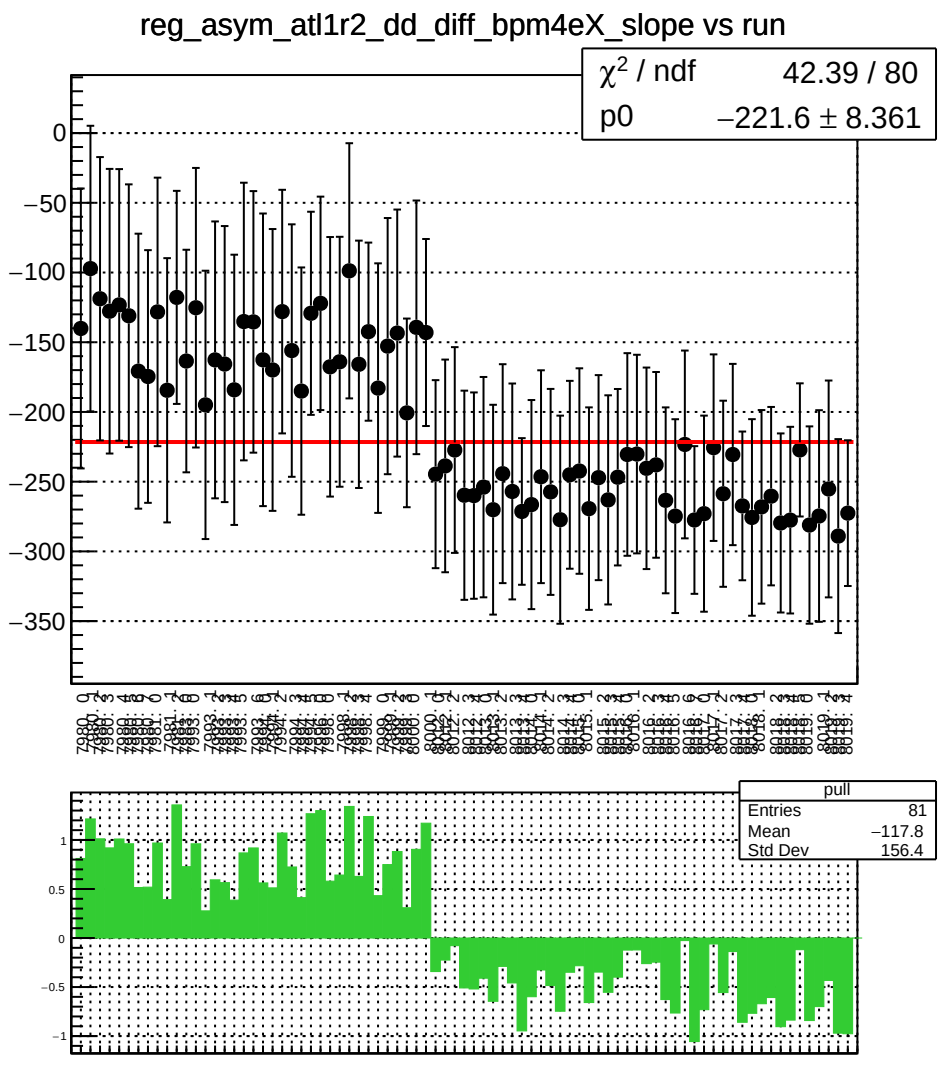

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 572.8 / 80
p0 −140.1 ± 0.4753
−120
−130
−140
−150
−160
−170
−180
pull
Entries 81
Mean 99.71
Std Dev 57.27
pull1D
Entries 81
Mean −0.865
Std Dev 2.515

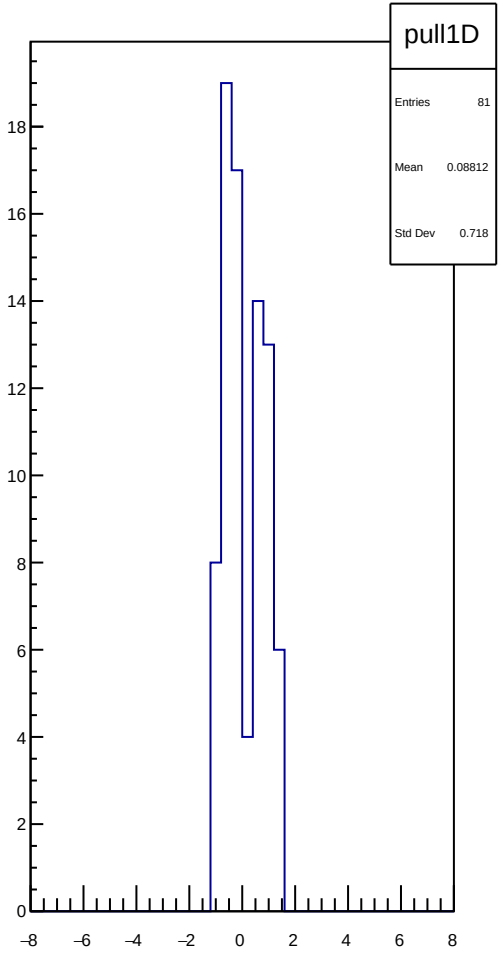

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 83.79 / 80
p0 236.9 ± 8.248
400
300
200
100
0
pull
Entries 81
Mean −62.83
Std Dev 100.4
1
0.5
0
−0.5
−1
−1.5
−2

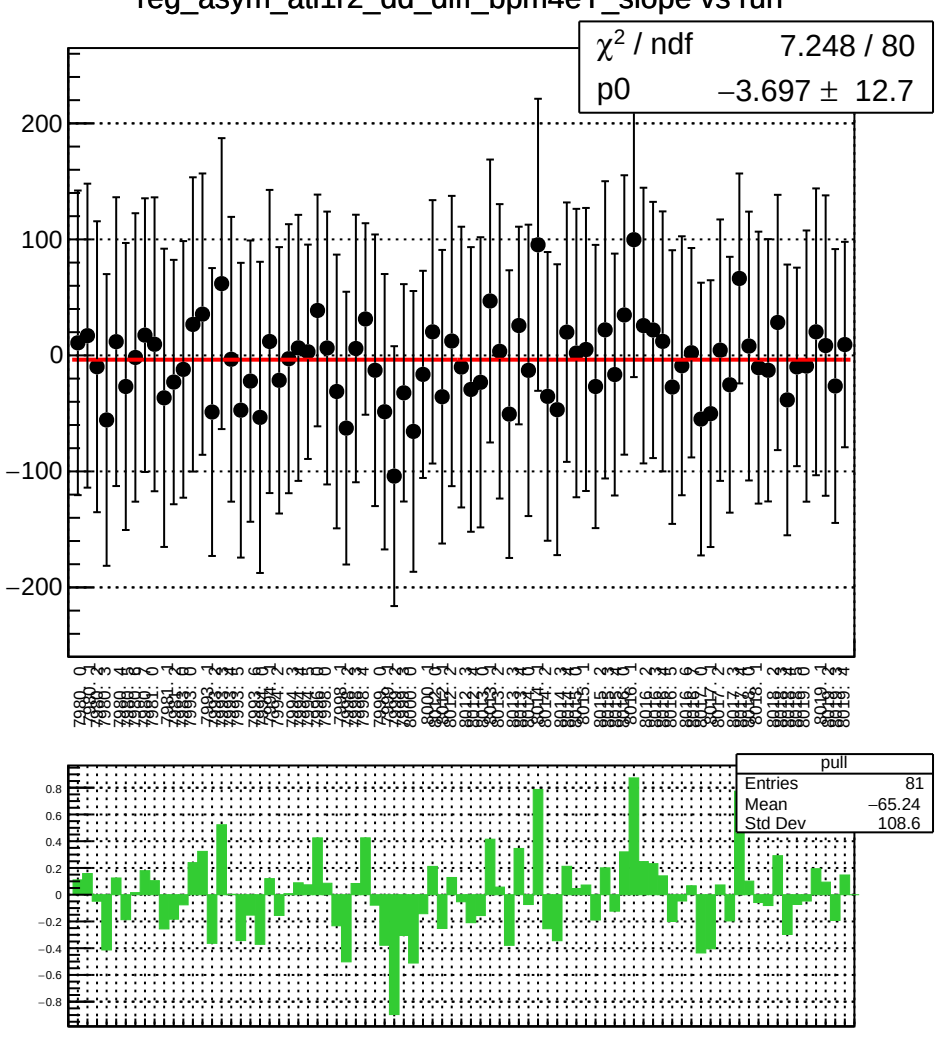

pull1D
Entries 81
Mean −0.1912
Std Dev 0.9989
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

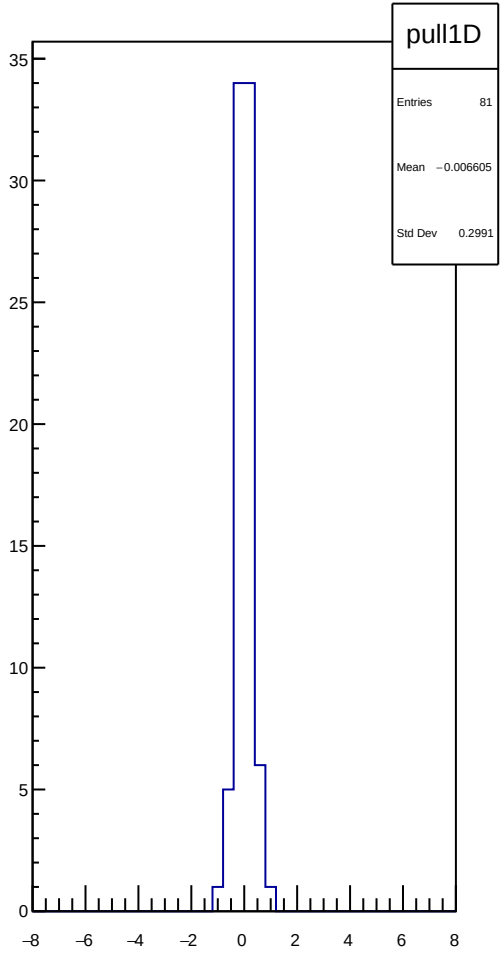

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.543 / 80
p0 −60.91 ± 11.62
pull
Entries 81
Mean −225.5
Std Dev 267.3

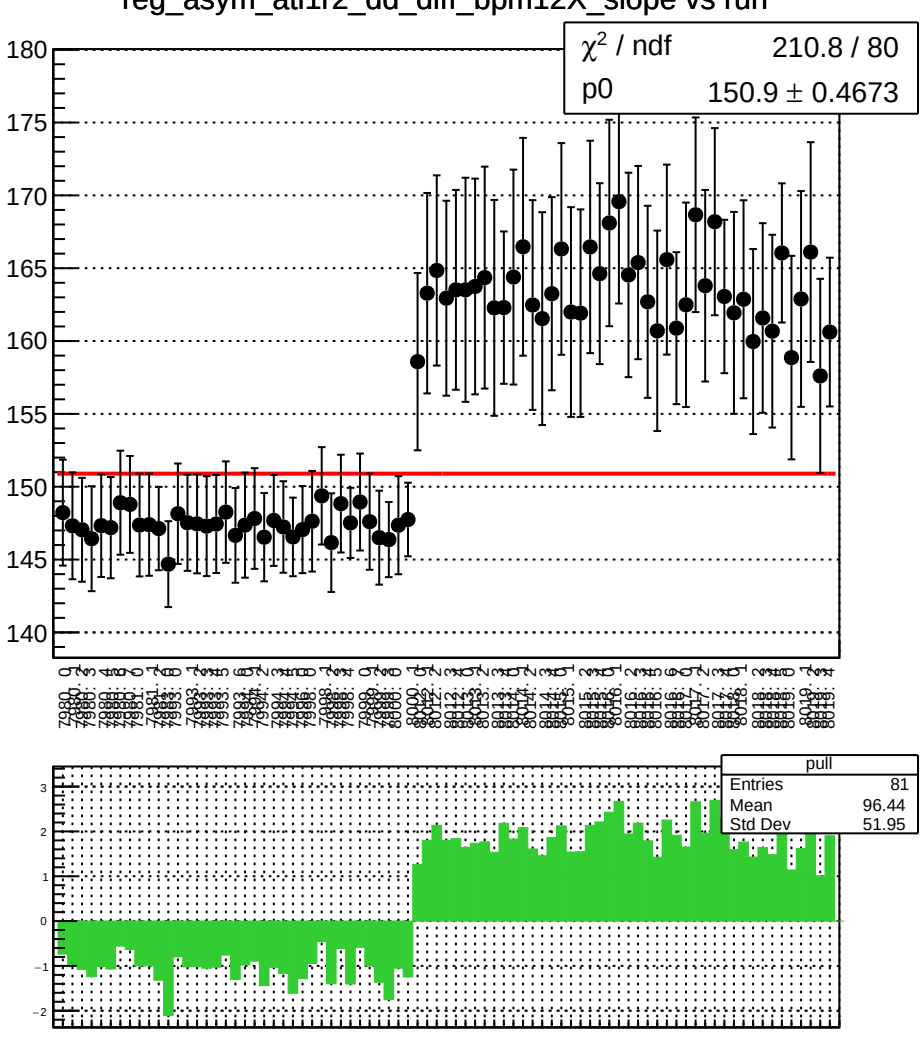

pull1D
Entries 81
Mean 0.004483
Std Dev 0.3051

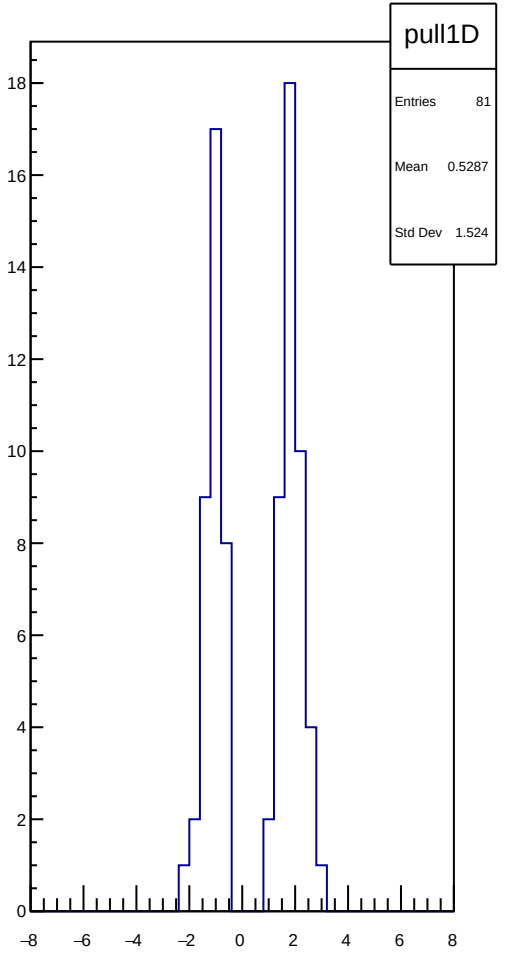

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.39 / 80
p0 −221.6 ± 8.361
pull
Entries 81
Mean −117.8
Std Dev 156.4

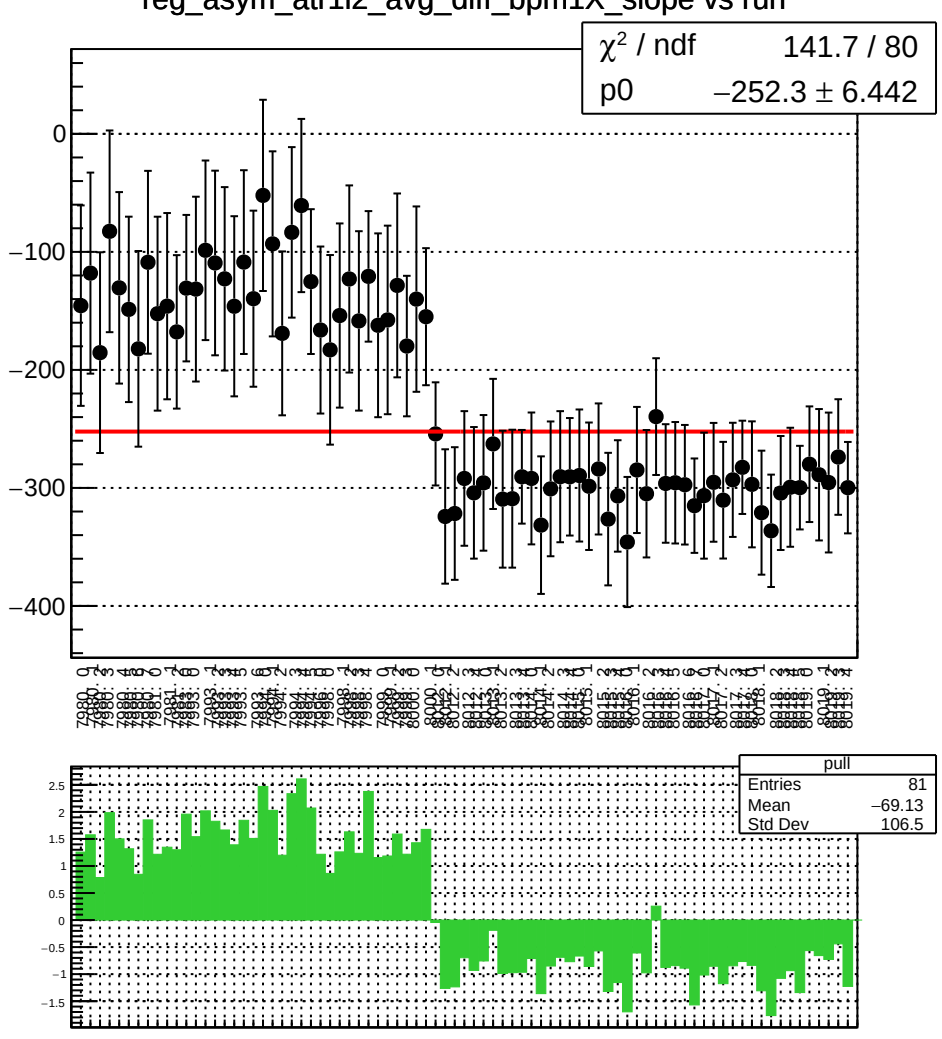

pull1D
Entries 81
Mean 0.08812
Std Dev 0.718

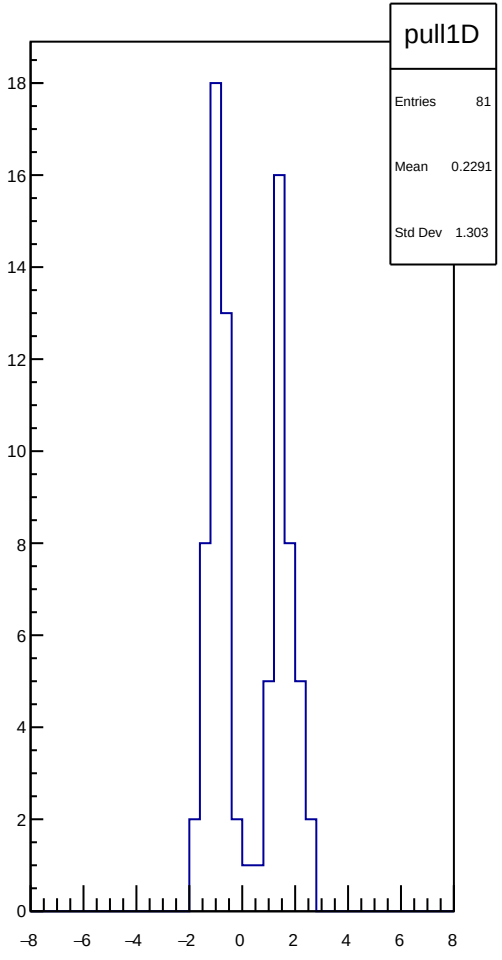

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.248 / 80
p0 −3.697 ± 12.7
200
100
0
−100
−200
pull
Entries 81
Mean −65.24
Std Dev 108.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

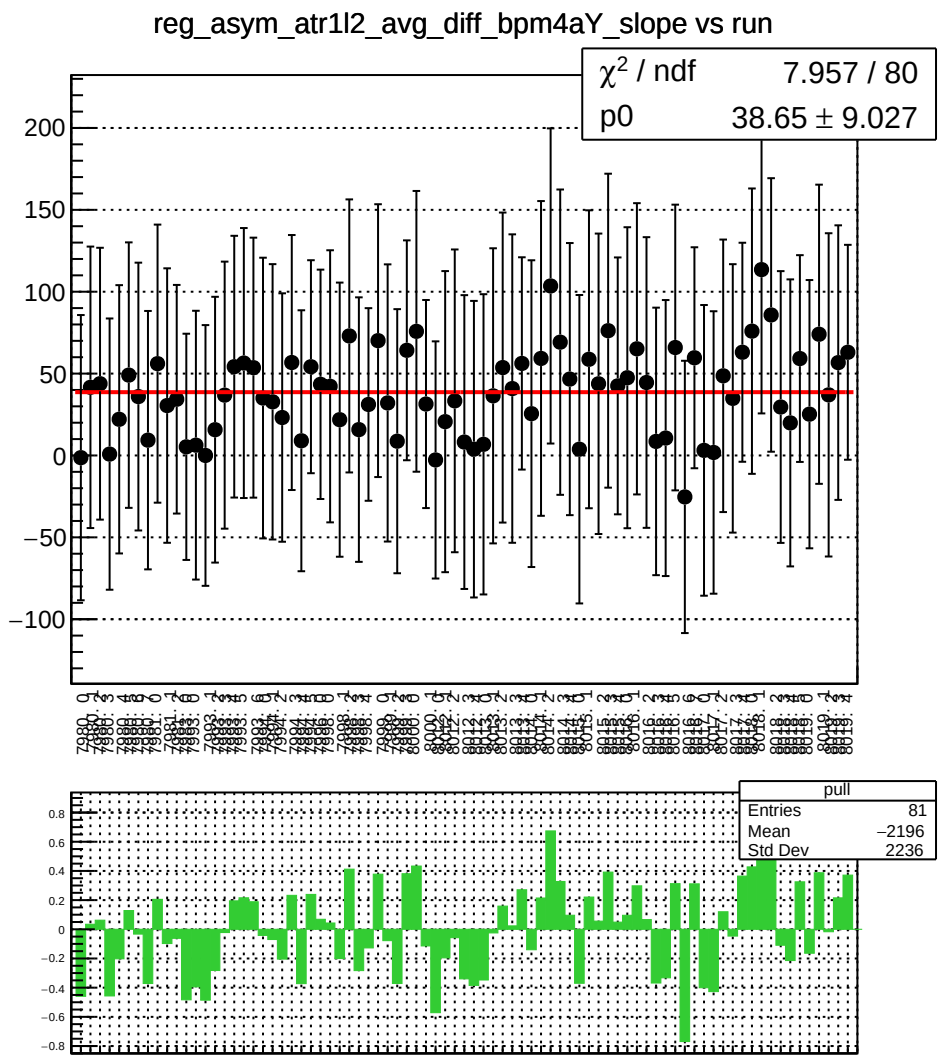

pull1D
Entries 81
Mean −0.006605
Std Dev 0.2991
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

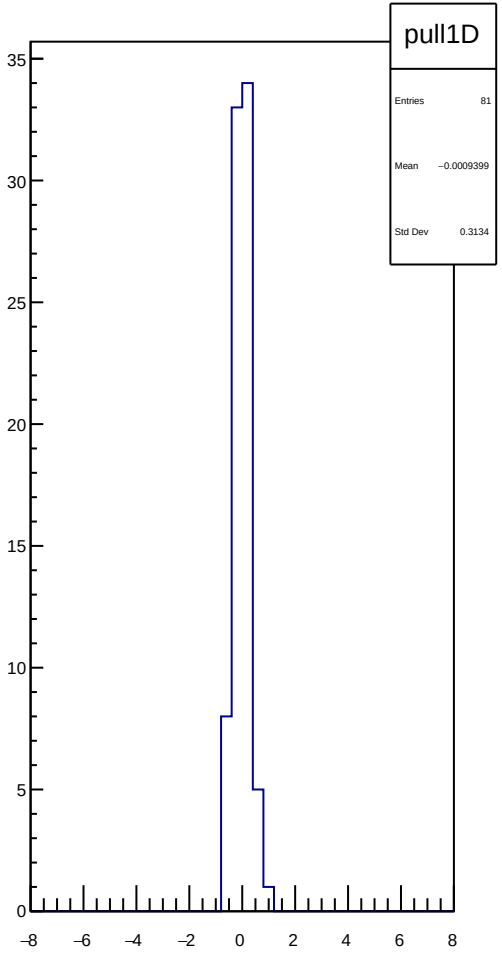

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 210.8 / 80
p0 150.9 ± 0.4673
pull
Entries 81
Mean 96.44
Std Dev 51.95

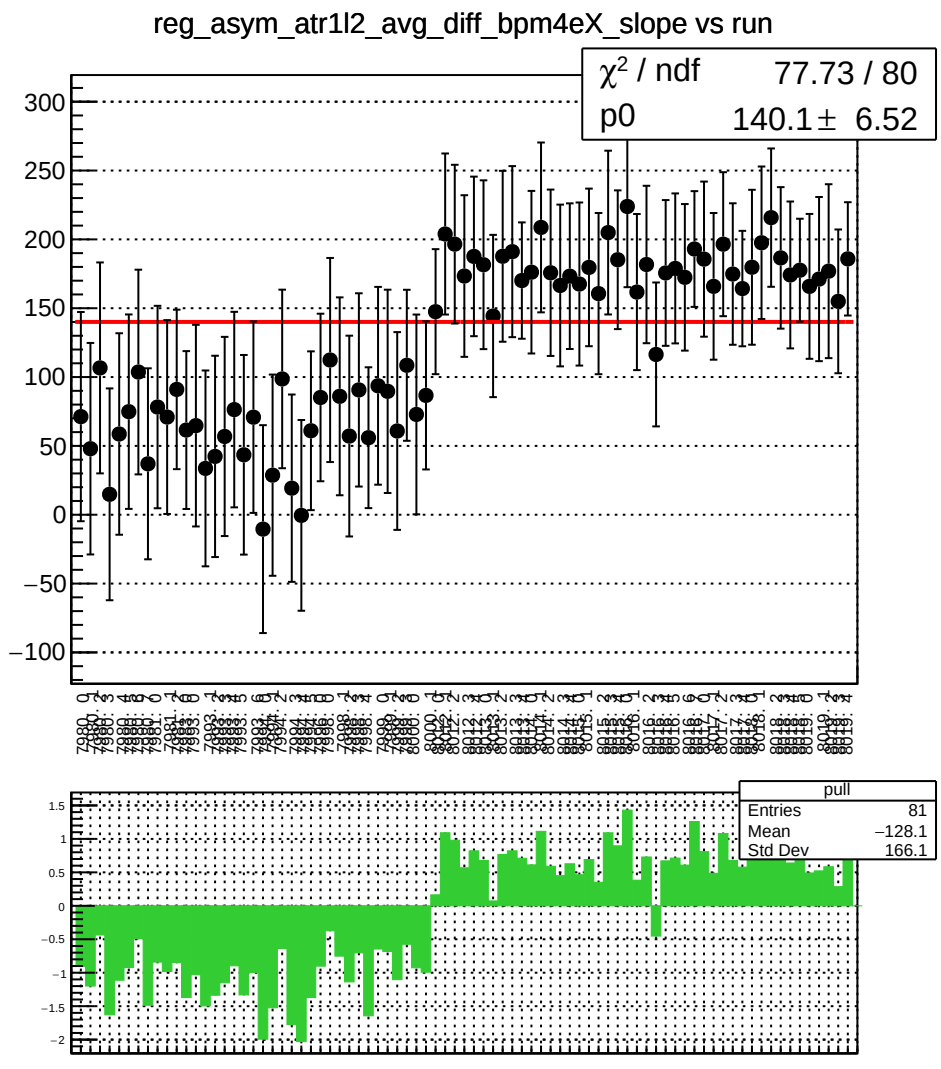

pull1D
Entries 81
Mean 0.5287
Std Dev 1.524

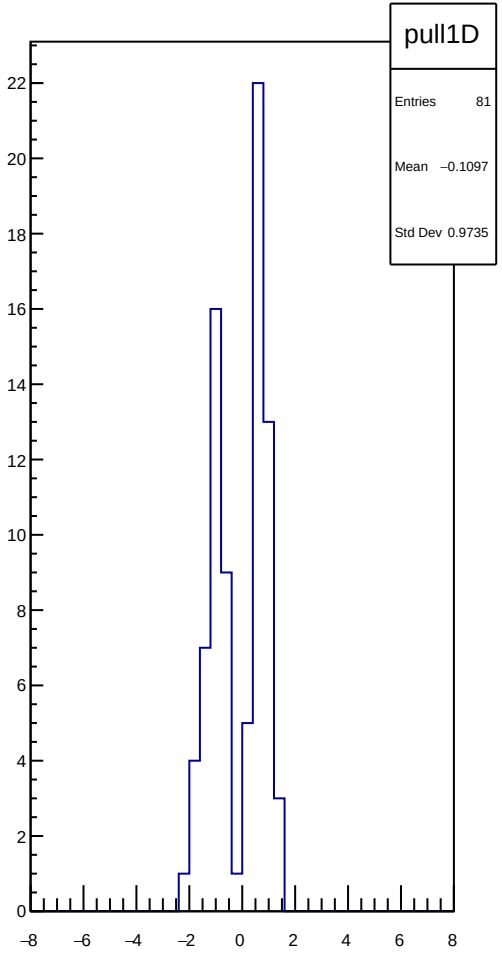

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 141.7 / 80
p0 −252.3 ± 6.442
pull
Entries 81
Mean −69.13
Std Dev 106.5

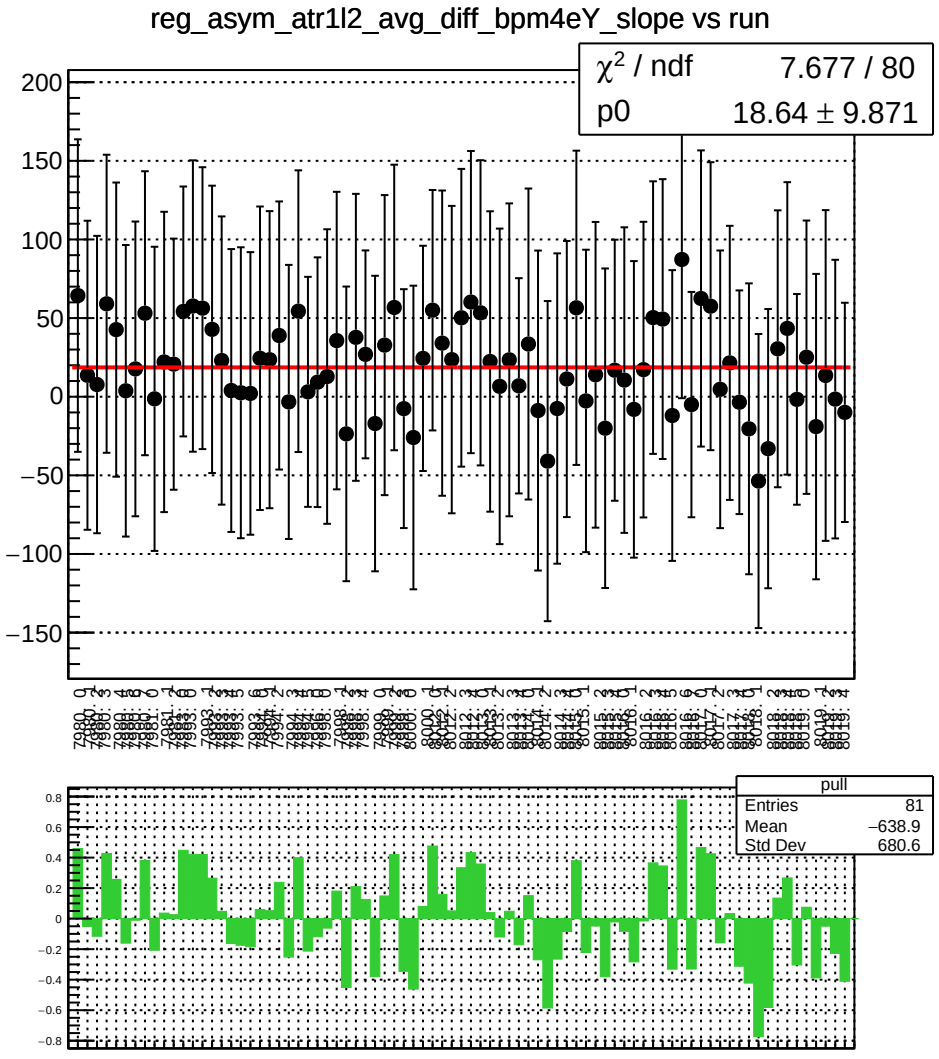

pull1D
Entries 81
Mean 0.2291
Std Dev 1.303

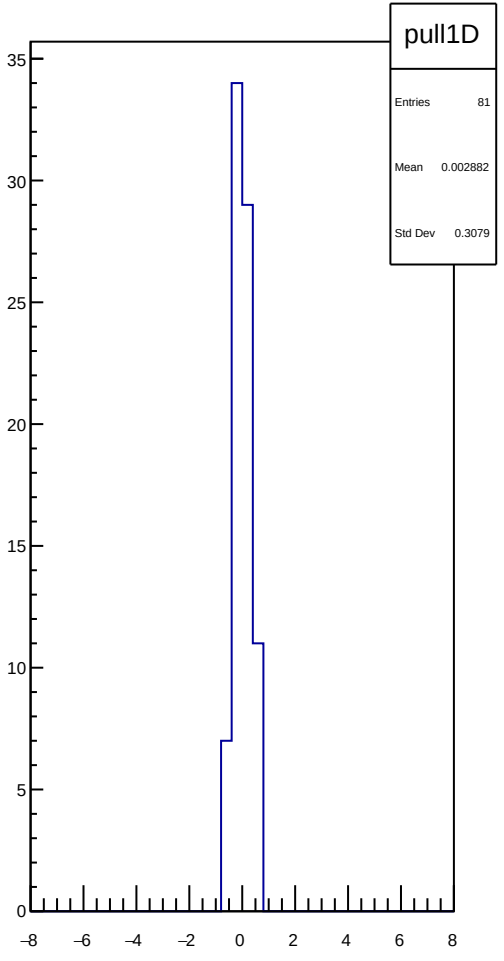

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.957 / 80
p0 38.65 ± 9.027
pull
Entries 81
Mean −2196
Std Dev 2236

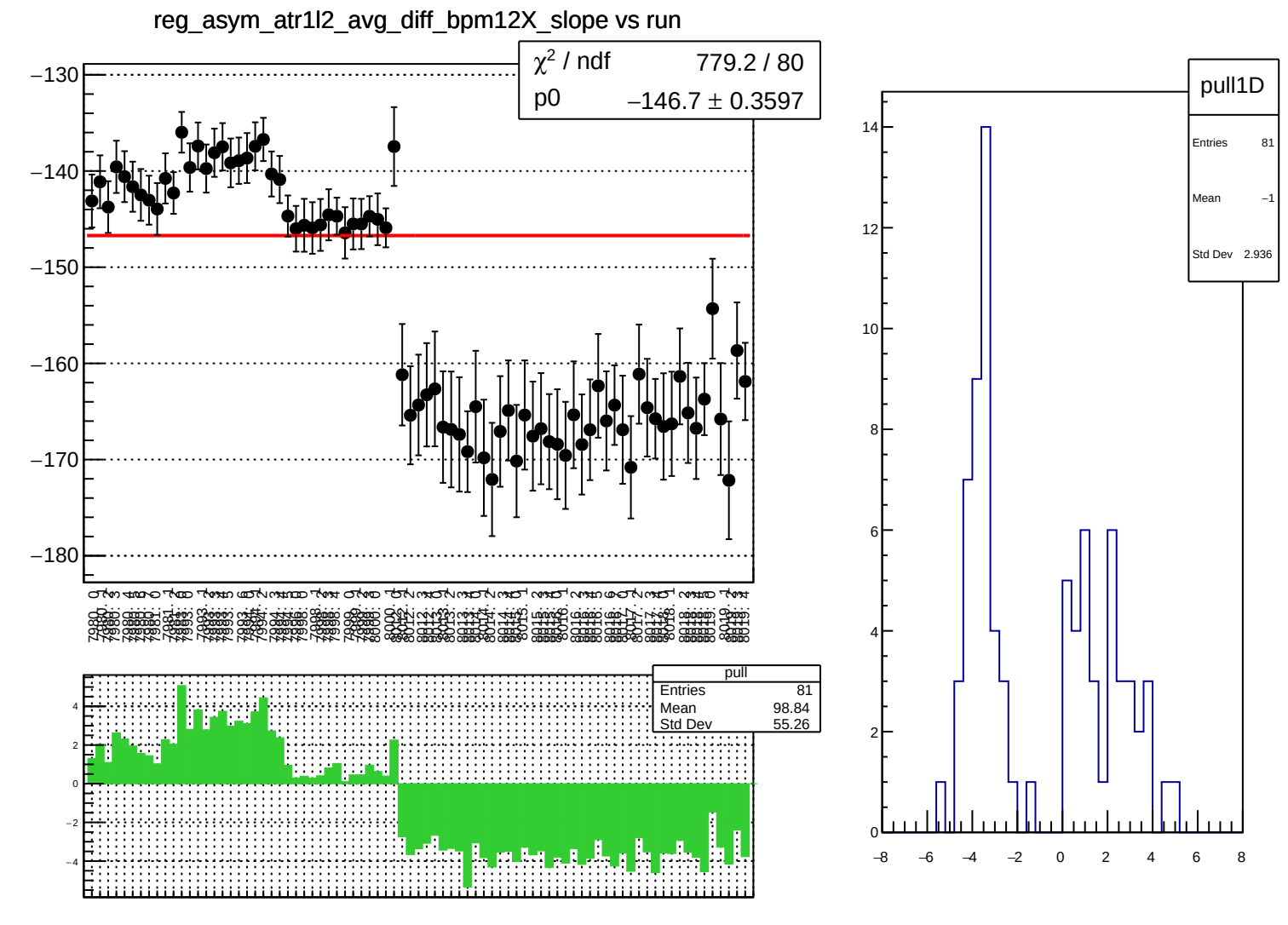

pull1D
Entries 81
Mean −0.0009399
Std Dev 0.3134

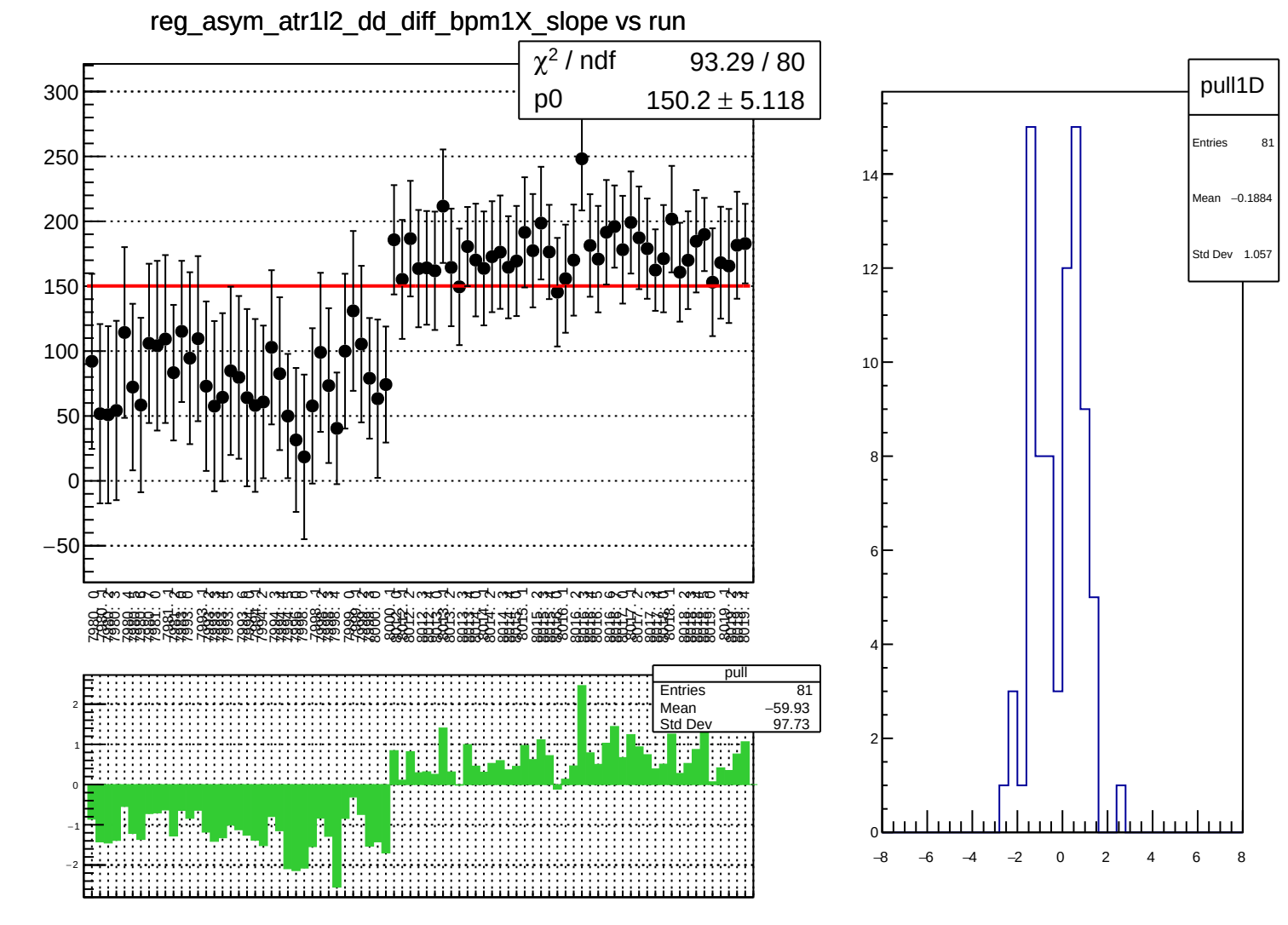

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.73 / 80
p0 140.1 ± 6.52
pull
Entries 81
Mean −128.1
Std Dev 166.1

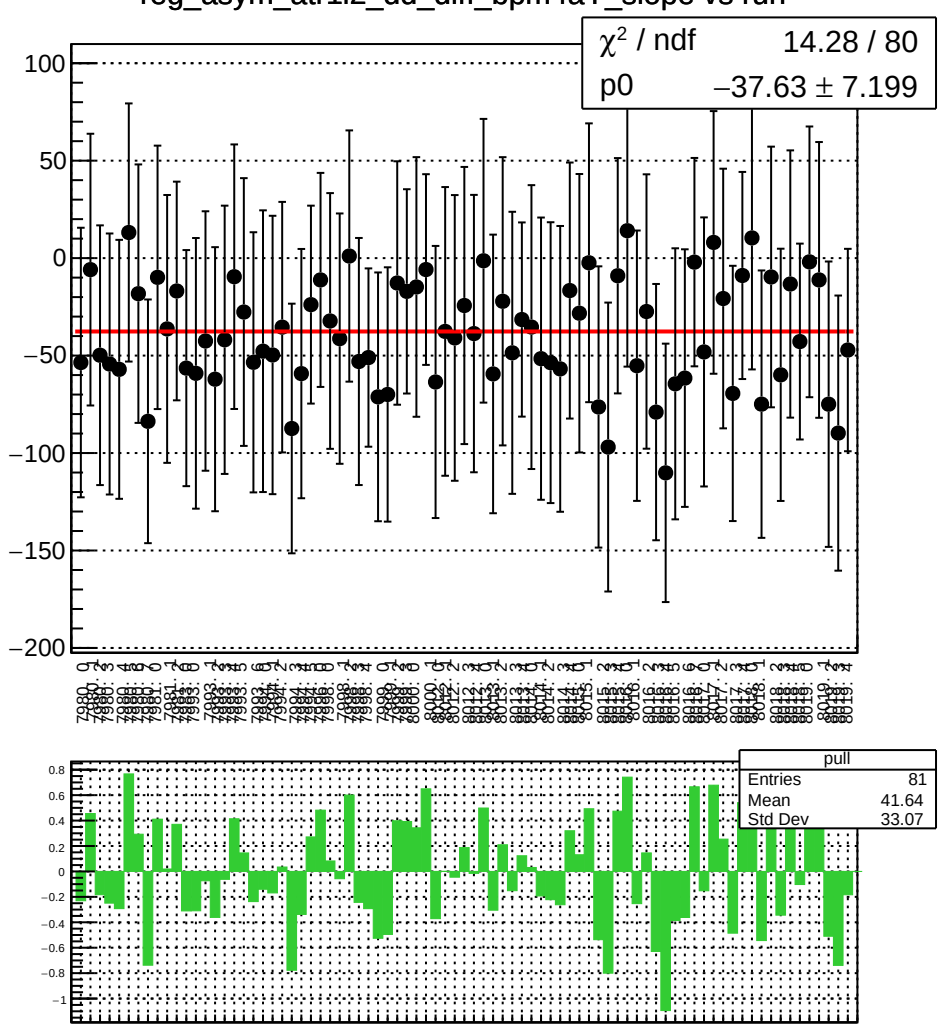

pull1D
Entries 81
Mean −0.1097
Std Dev 0.9735

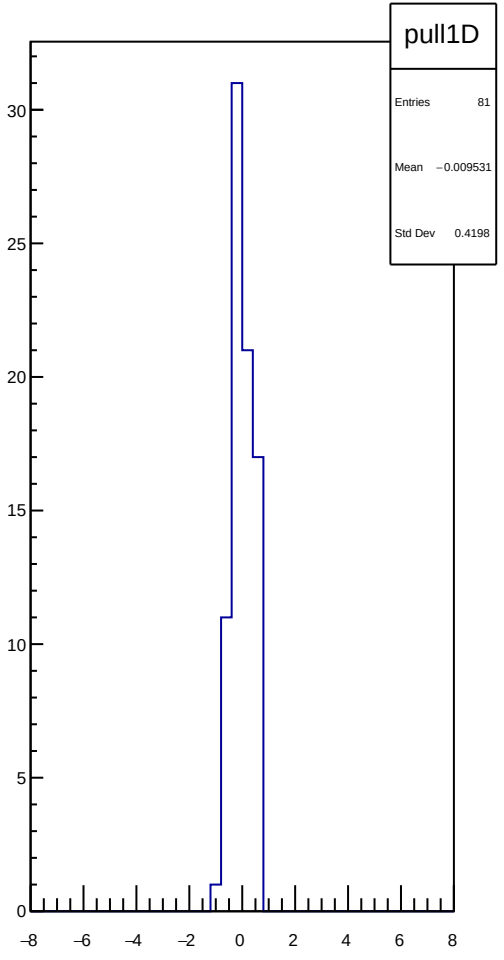

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.677 / 80
p0 18.64 ± 9.871
pull
Entries 81
Mean −638.9
Std Dev 680.6

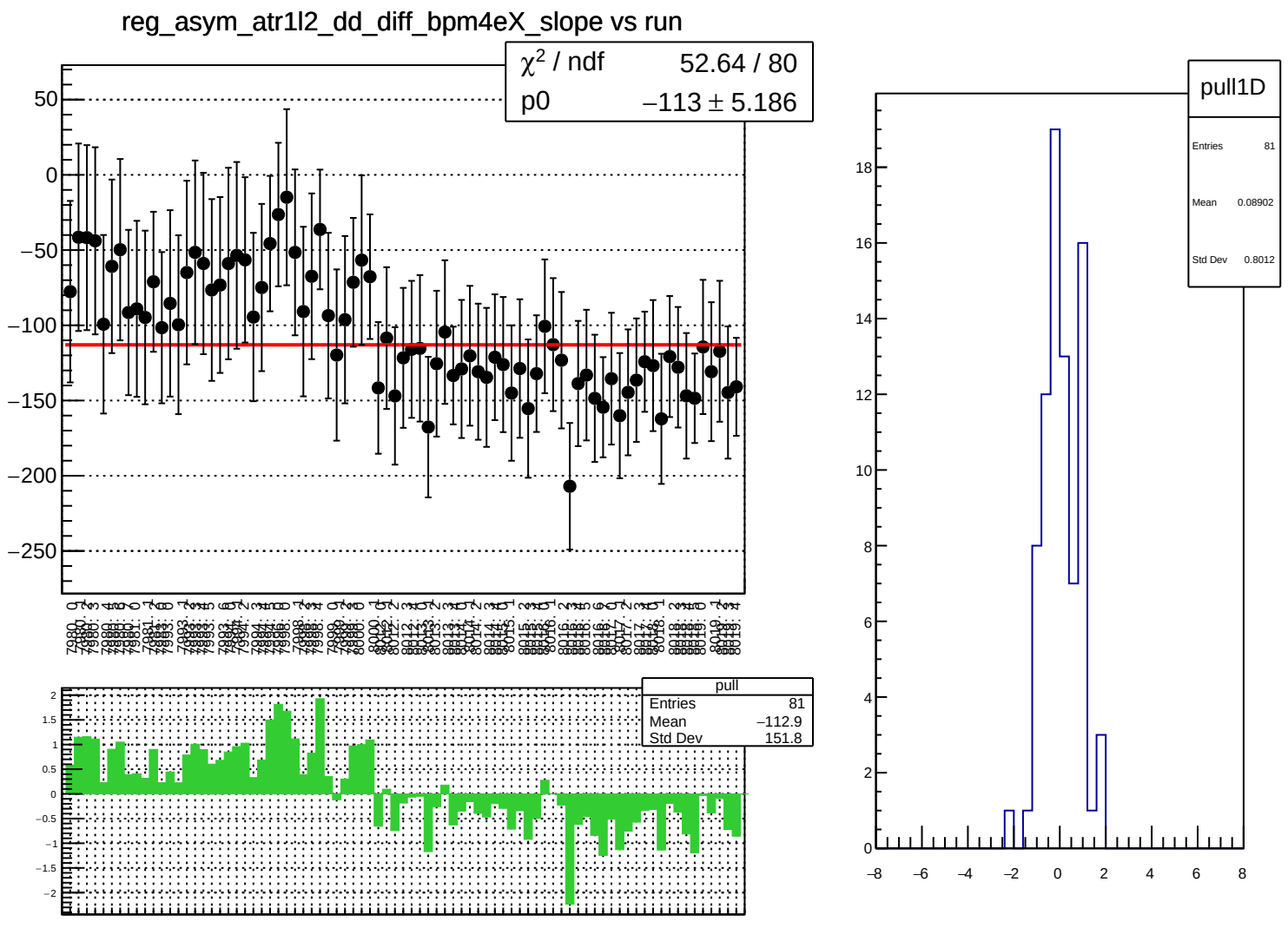

pull1D
Entries 81
Mean 0.002882
Std Dev 0.3079

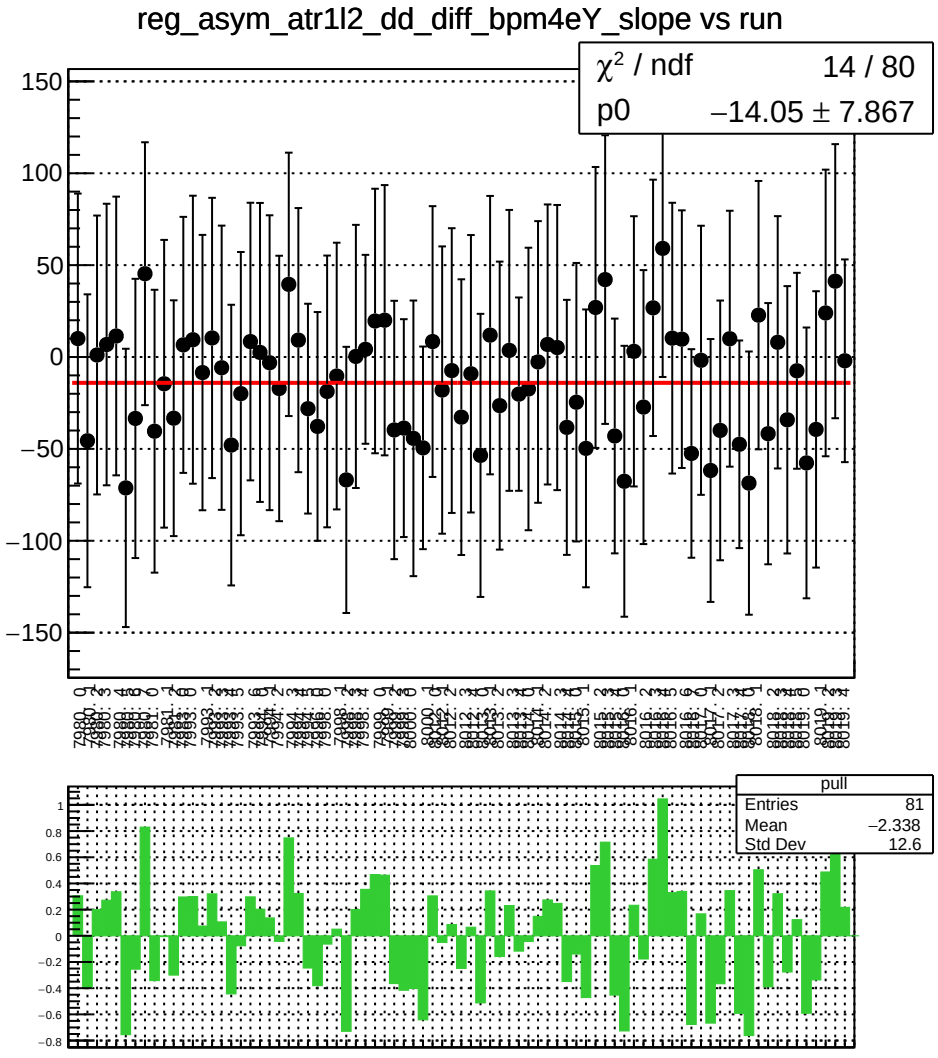

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 779.2 / 80
p0 −146.7 ± 0.3597
−130
−140
−150
−160
−170
−180
pull
Entries 81
Mean 98.84
Std Dev 55.26
4
2
0
−2
−4
pull1D
Entries 81
Mean −1
Std Dev 2.936
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

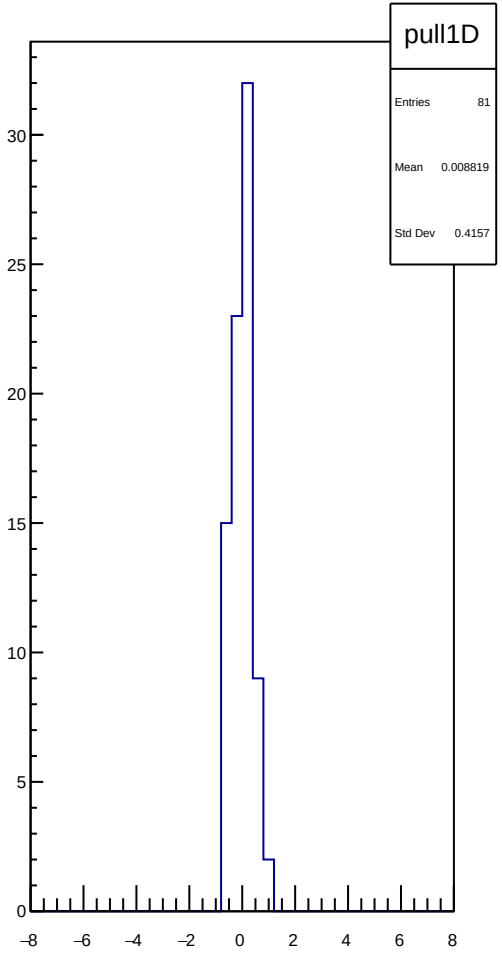

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 93.29 / 80
p0 150.2 ± 5.118
pull
Entries 81
Mean −59.93
Std Dev 97.73
pull1D
Entries 81
Mean −0.1884
Std Dev 1.057

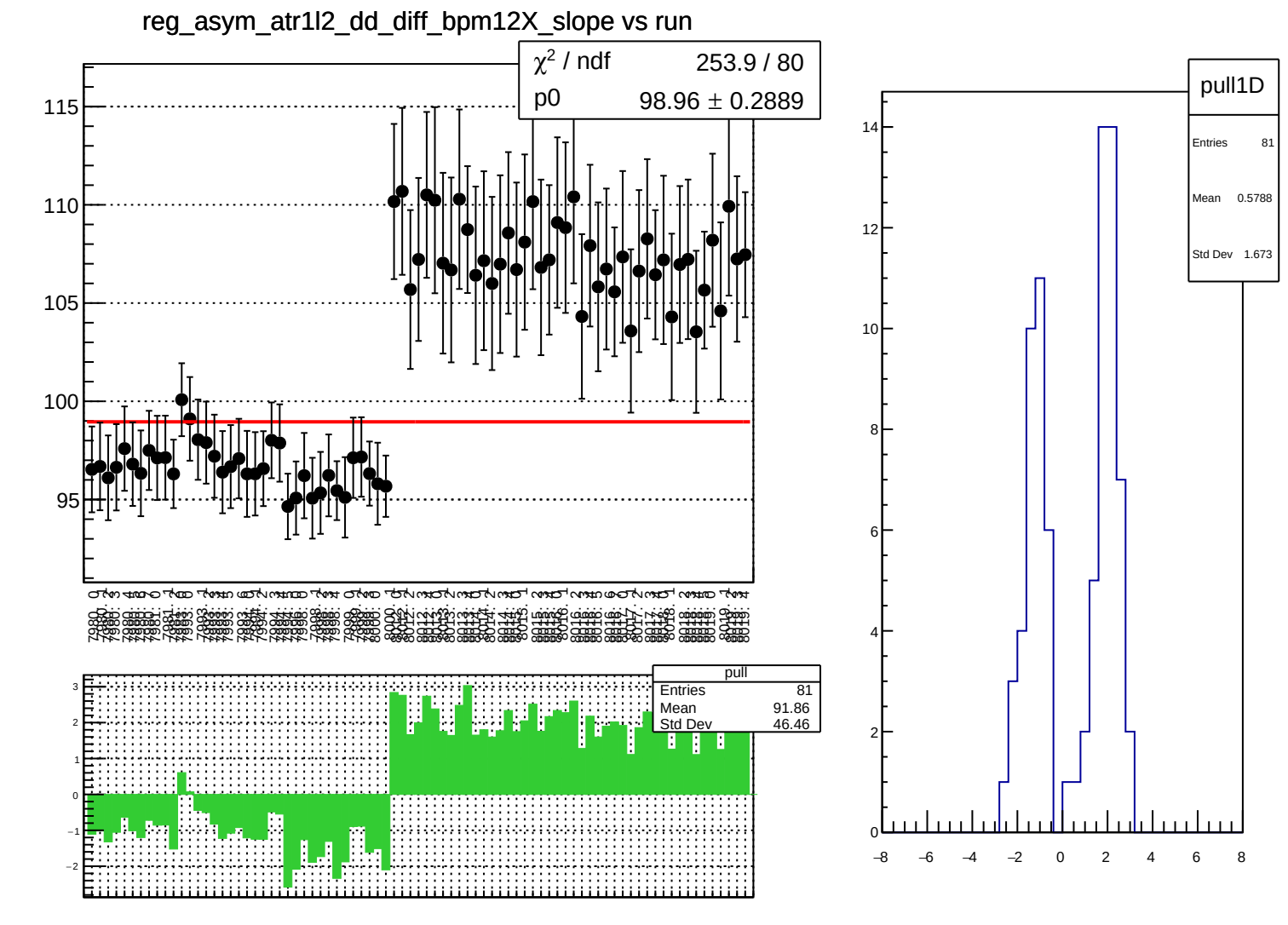

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.28 / 80
p0 −37.63 ± 7.199
pull
Entries 81
Mean 41.64
Std Dev 33.07

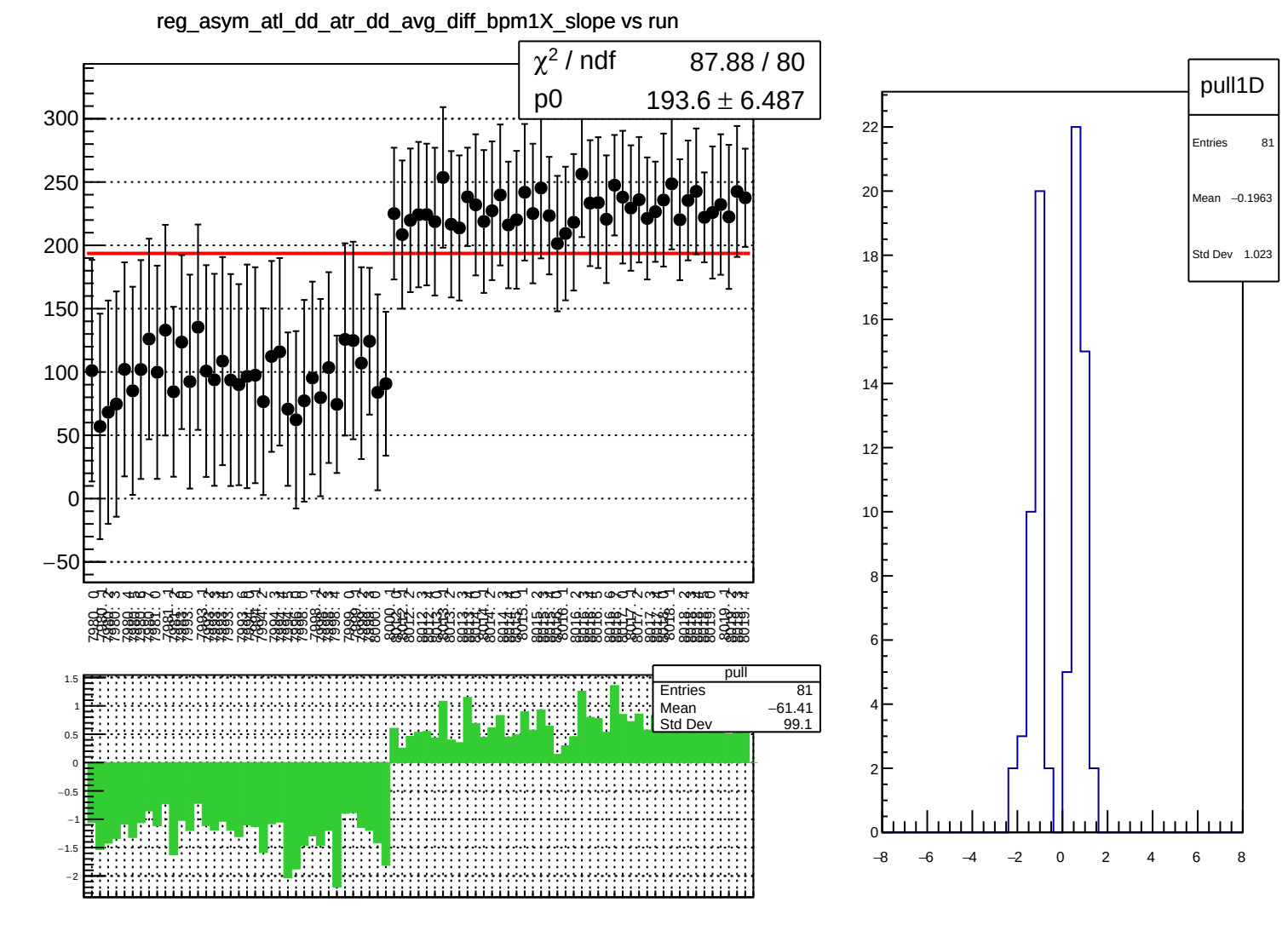

pull1D
Entries 81
Mean −0.009531
Std Dev 0.4198

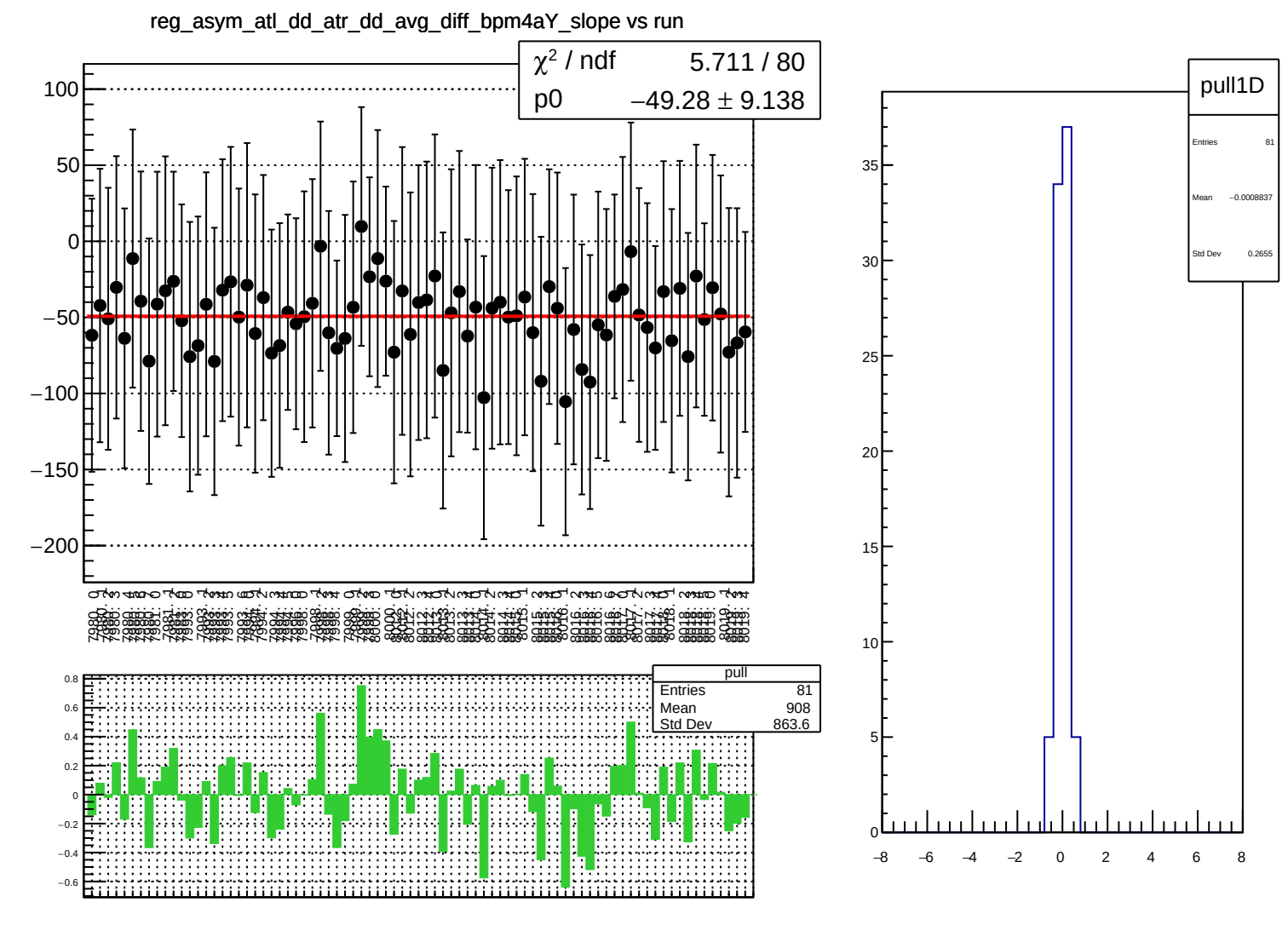

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.64 / 80
p0 −113 ± 5.186
50
0
−50
−100
−150
−200
−250
pull
Entries 81
Mean −112.9
Std Dev 151.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.08902
Std Dev 0.8012
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

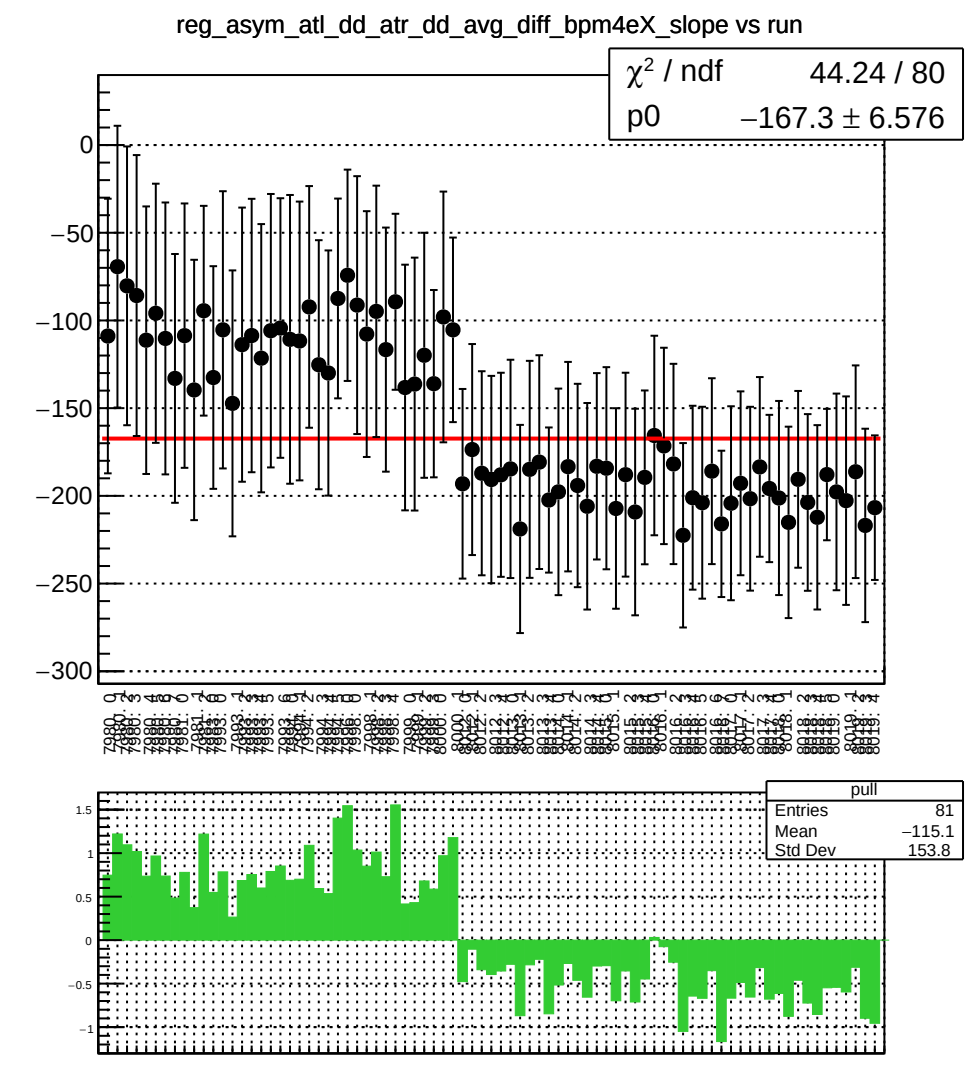

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14 / 80
p0 −14.05 ± 7.867
pull
Entries 81
Mean −2.338
Std Dev 12.6

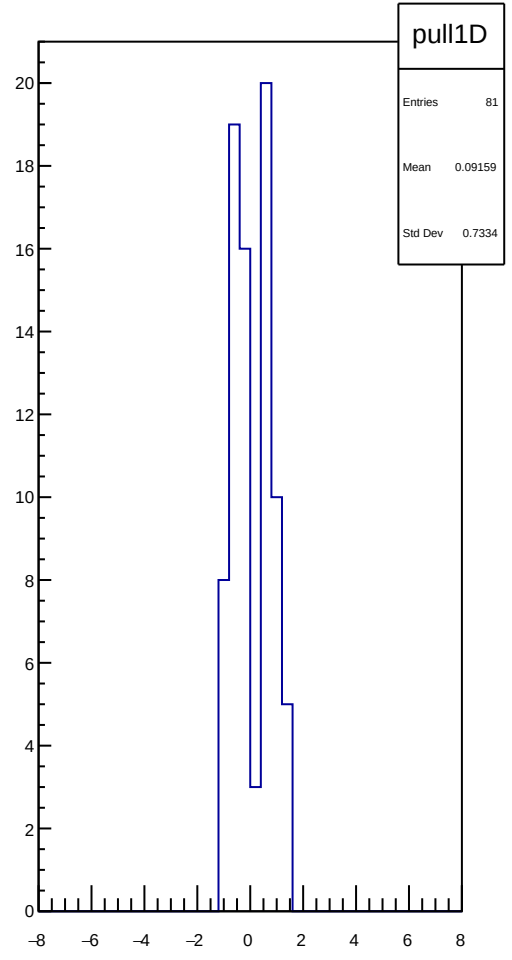

pull1D
Entries 81
Mean 0.008819
Std Dev 0.4157

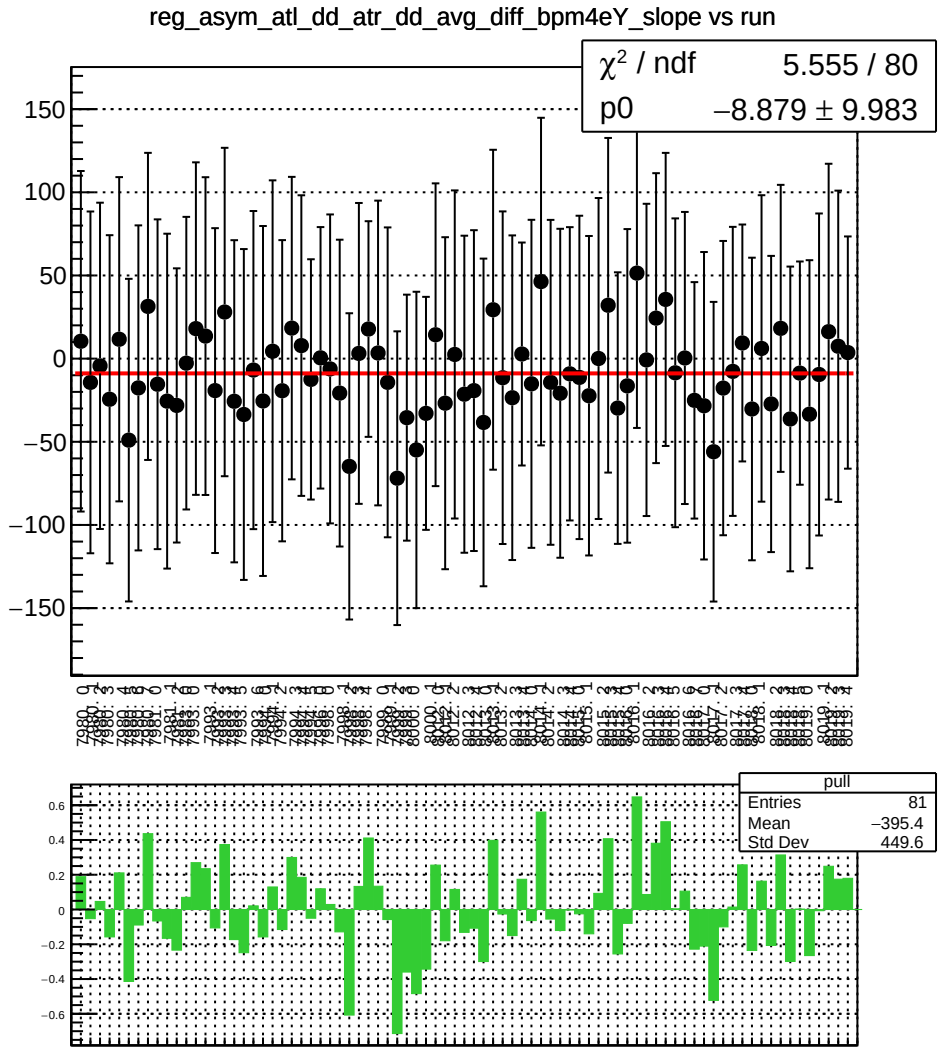

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 253.9 / 80
p0 98.96 ± 0.2889
pull
Entries 81
Mean 91.86
Std Dev 46.46
pull1D
Entries 81
Mean 0.5788
Std Dev 1.673

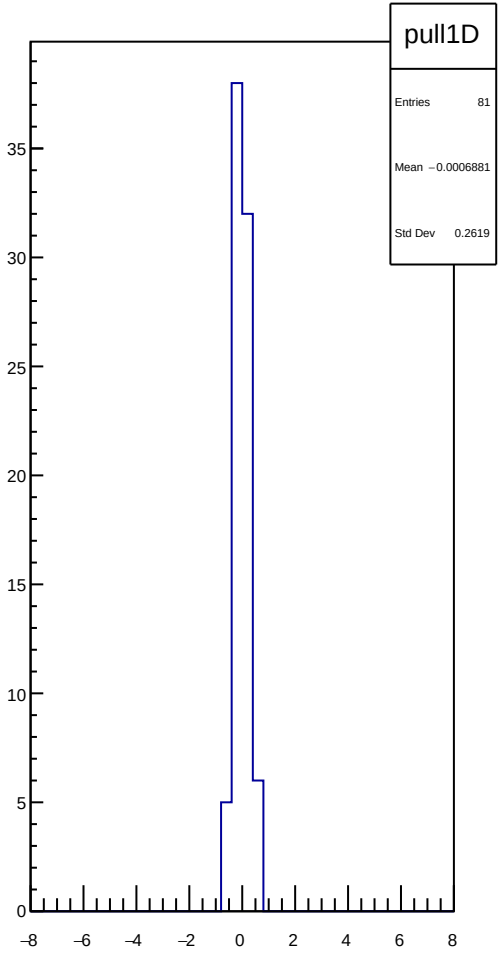

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 87.88 / 80
p0 193.6 ± 6.487
pull
Entries 81
Mean −61.41
Std Dev 99.1
pull1D
Entries 81
Mean −0.1963
Std Dev 1.023

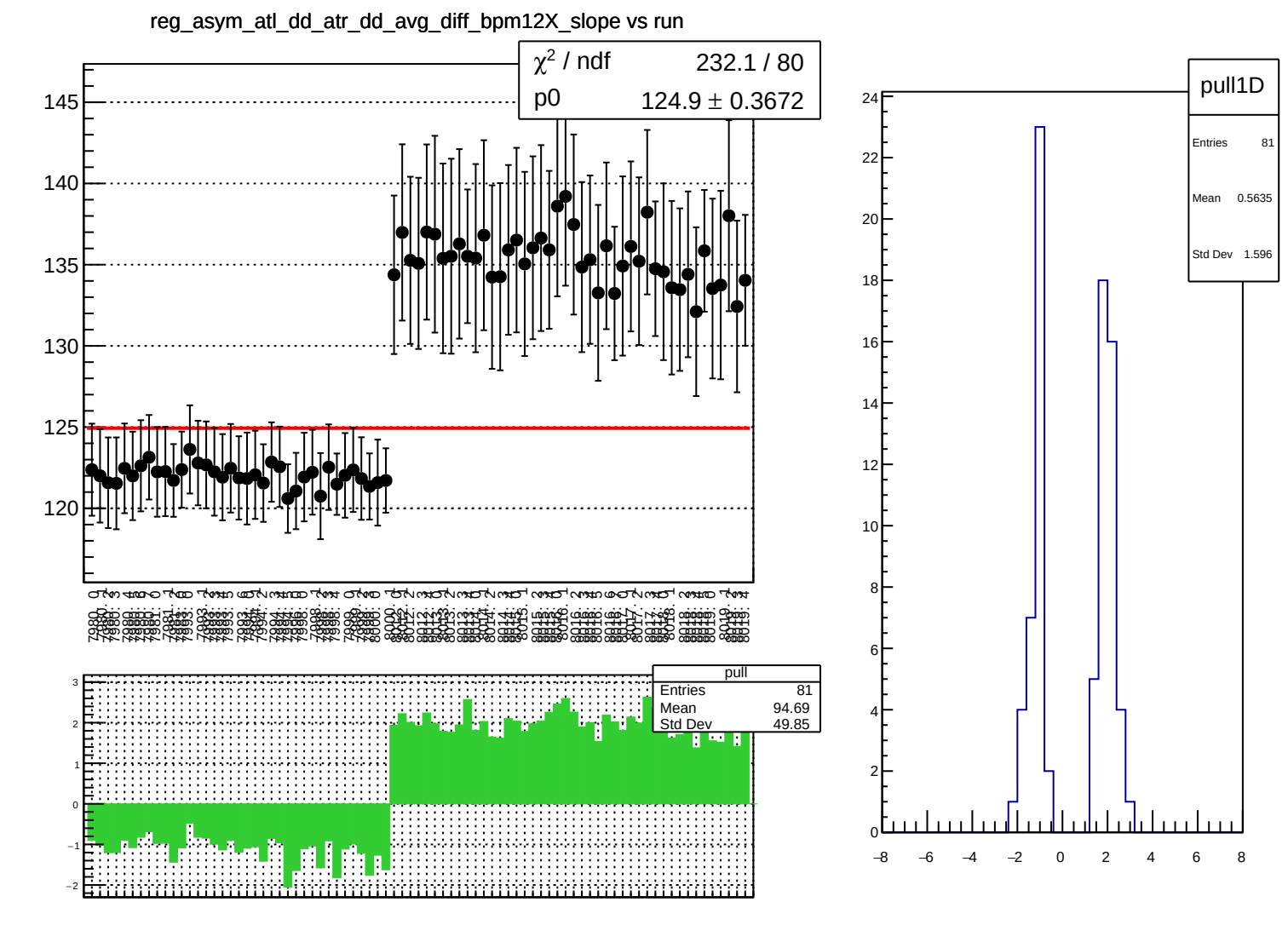

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.711 / 80
p0 −49.28 ± 9.138
pull
Entries 81
Mean 908
Std Dev 863.6
pull1D
Entries 81
Mean −0.0008837
Std Dev 0.2655

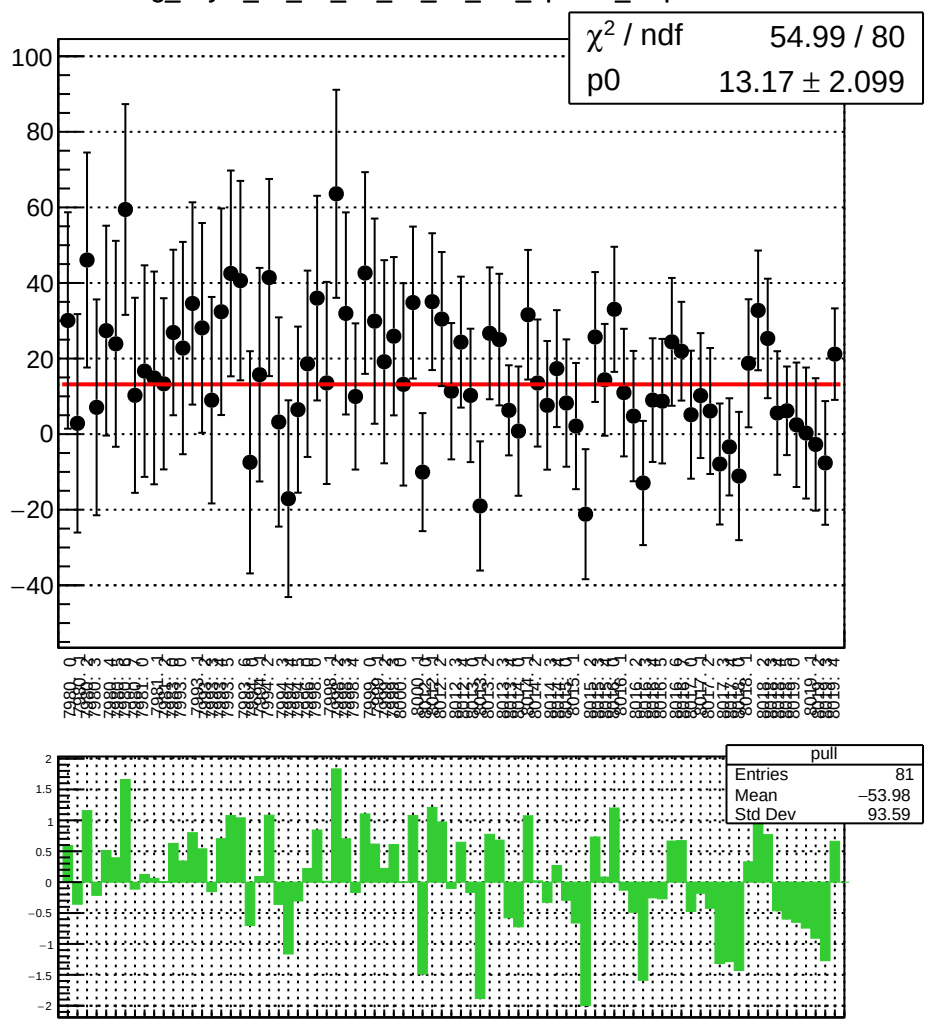

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.24 / 80
p0 −167.3 ± 6.576
pull
Entries 81
Mean −115.1
Std Dev 153.8

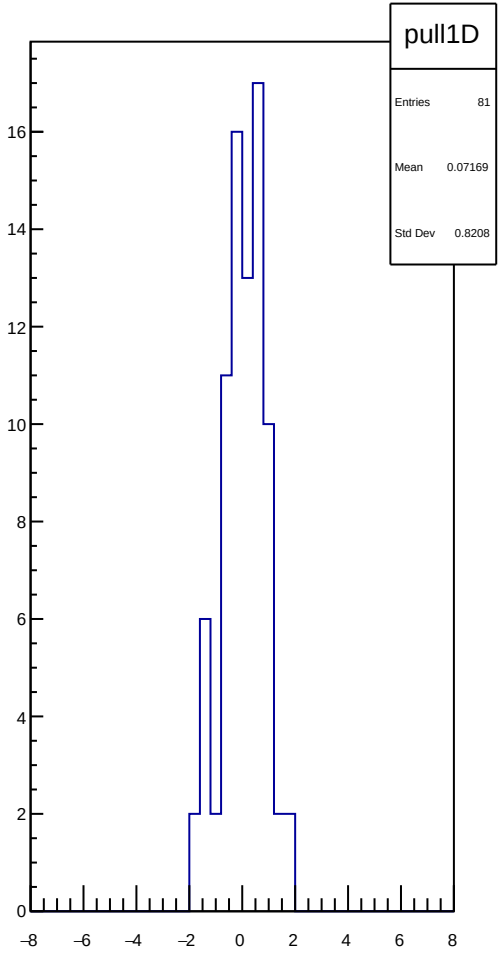

pull1D
Entries 81
Mean 0.09159
Std Dev 0.7334

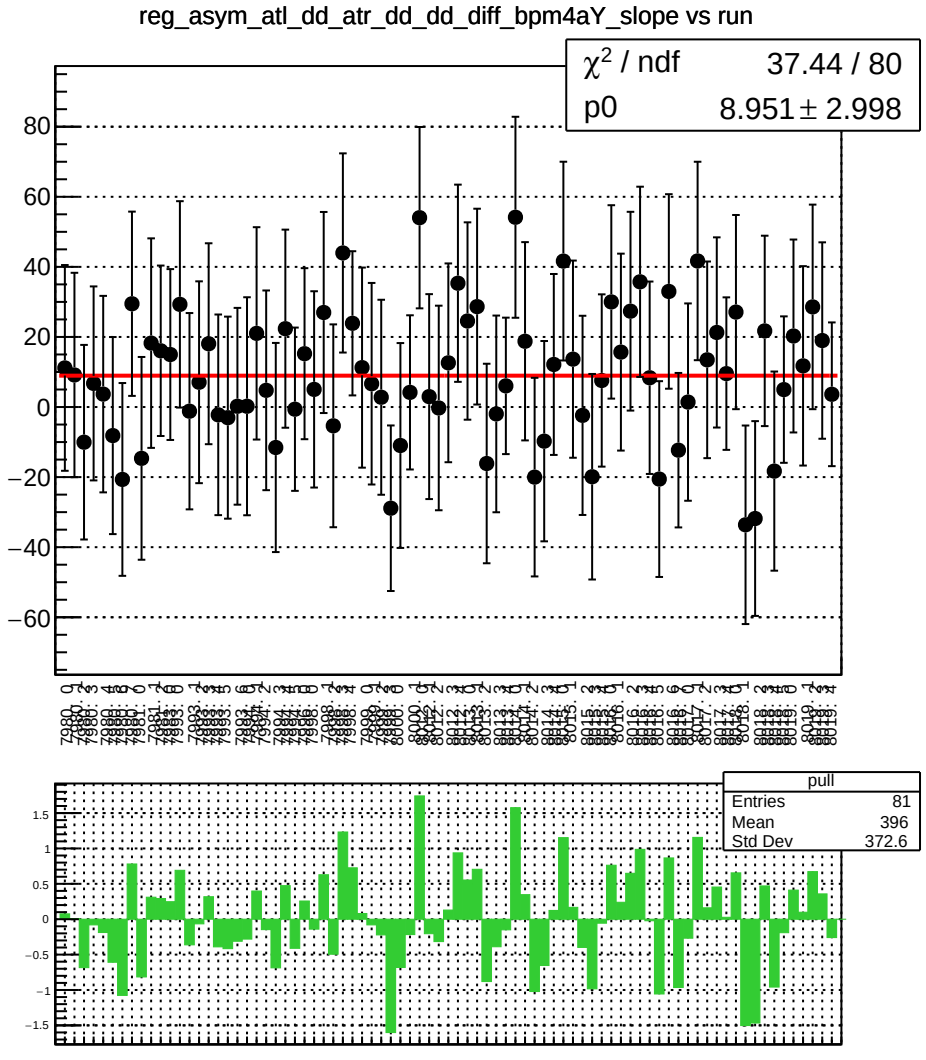

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.555 / 80
p0 −8.879 ± 9.983
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −395.4
Std Dev 449.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

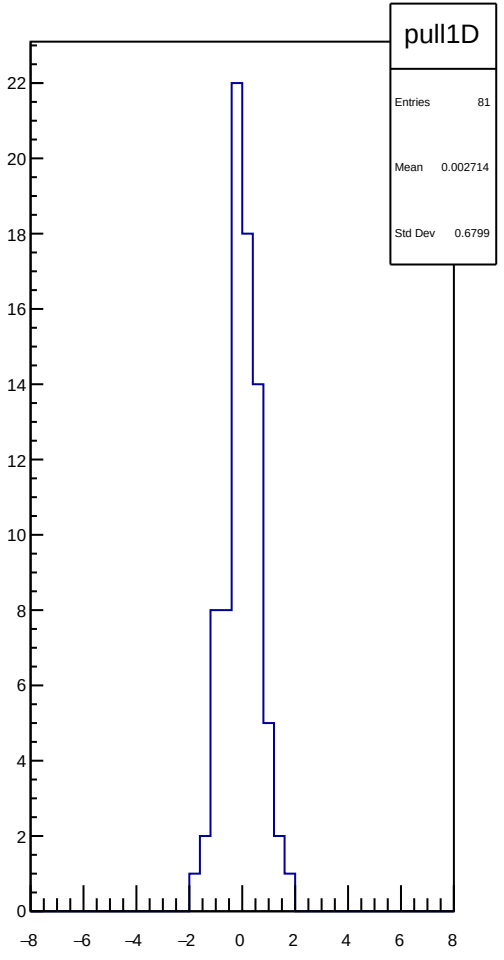

pull1D
Entries 81
Mean −0.0006881
Std Dev 0.2619
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

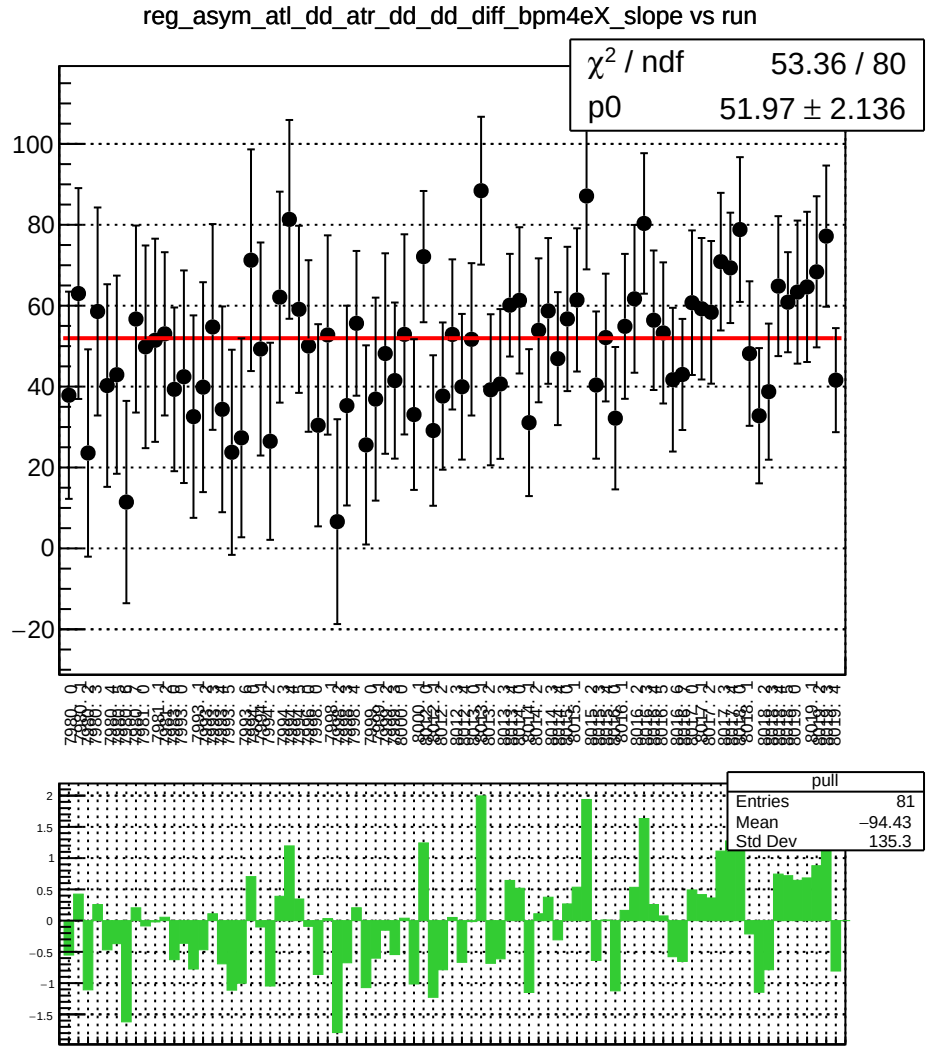

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 232.1 / 80
p0 124.9 ± 0.3672
145
140
135
130
125
120
pull
Entries 81
Mean 94.69
Std Dev 49.85
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.5635
Std Dev 1.596
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

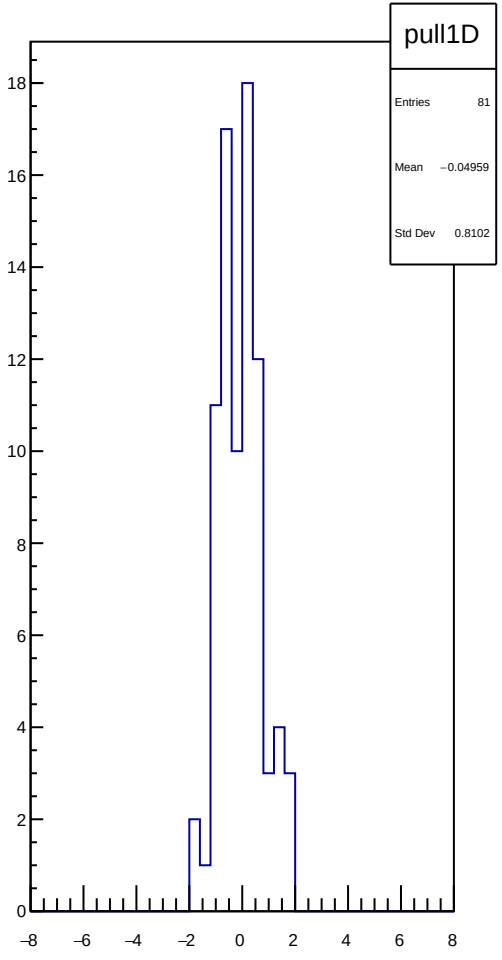

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 54.99 / 80
p0 13.17 ± 2.099
pull
Entries 81
Mean −53.98
Std Dev 93.59

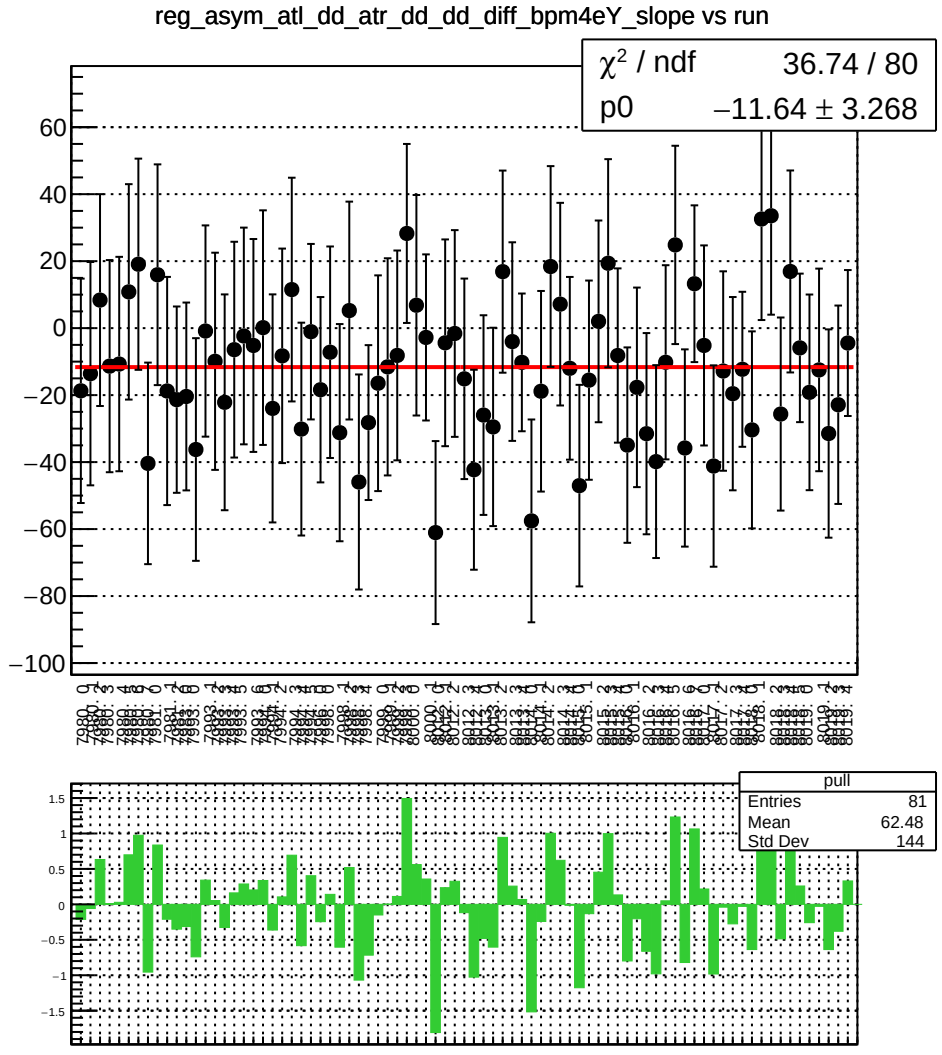

pull1D
Entries 81
Mean 0.07169
Std Dev 0.8208

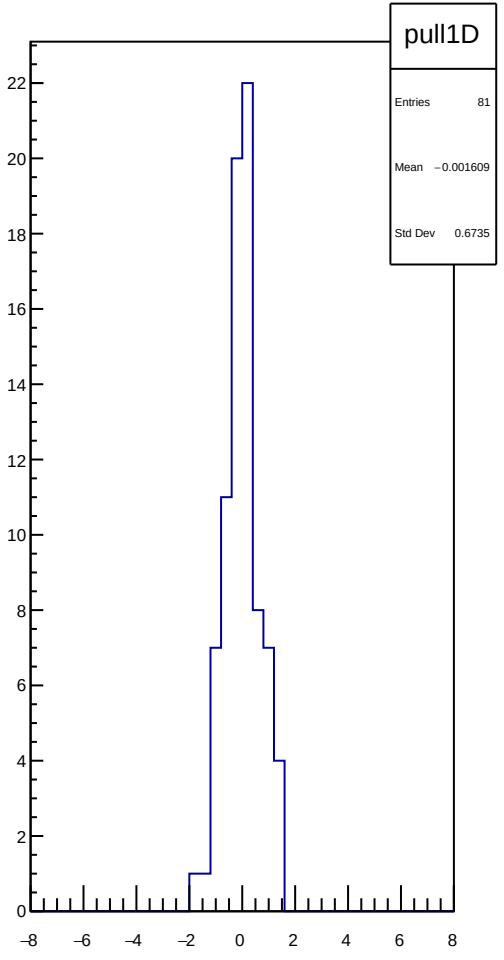

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.44 / 80
p0 8.951 ± 2.998
pull
Entries 81
Mean 396
Std Dev 372.6

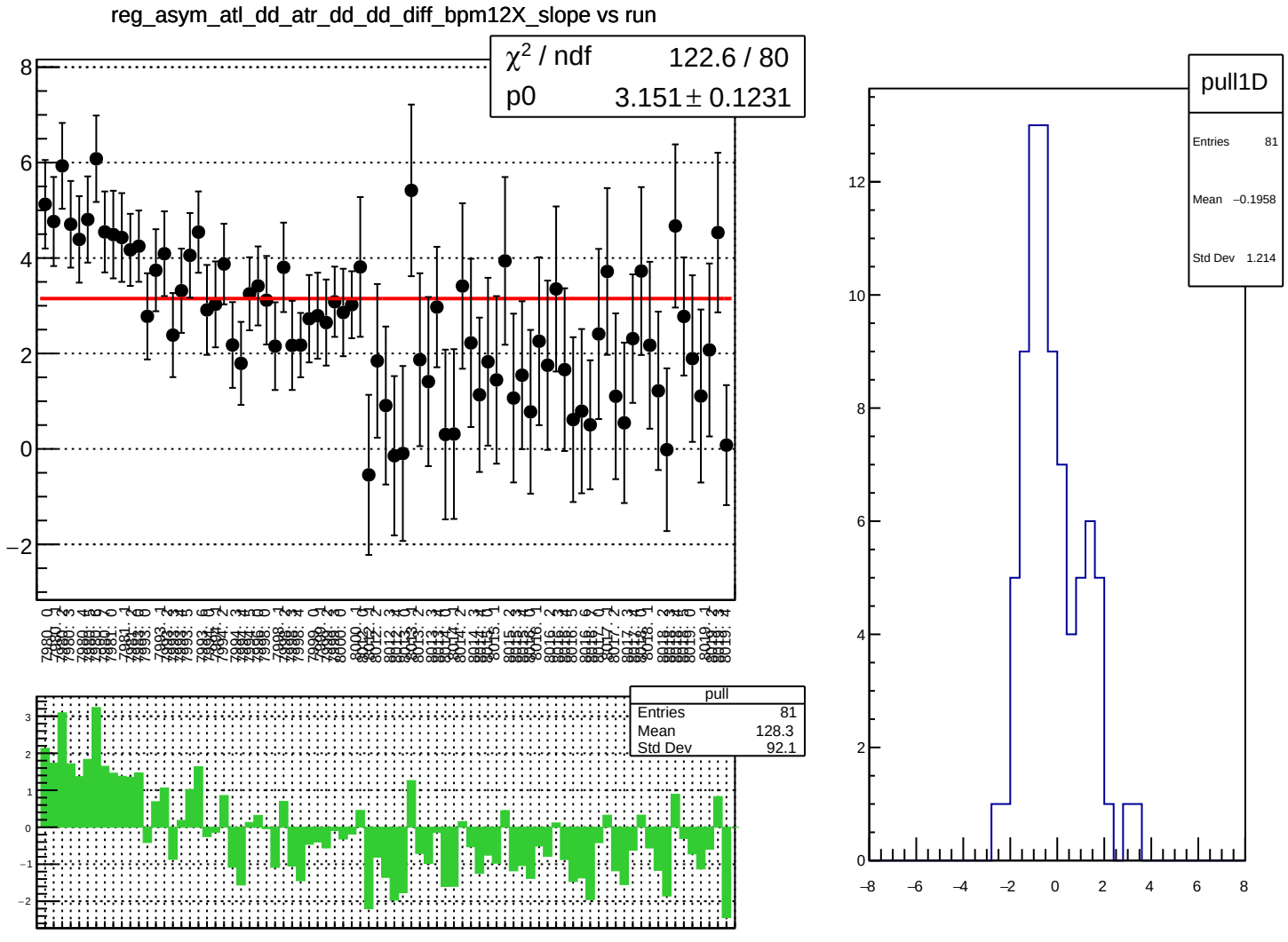

pull1D
Entries 81
Mean 0.002714
Std Dev 0.6799

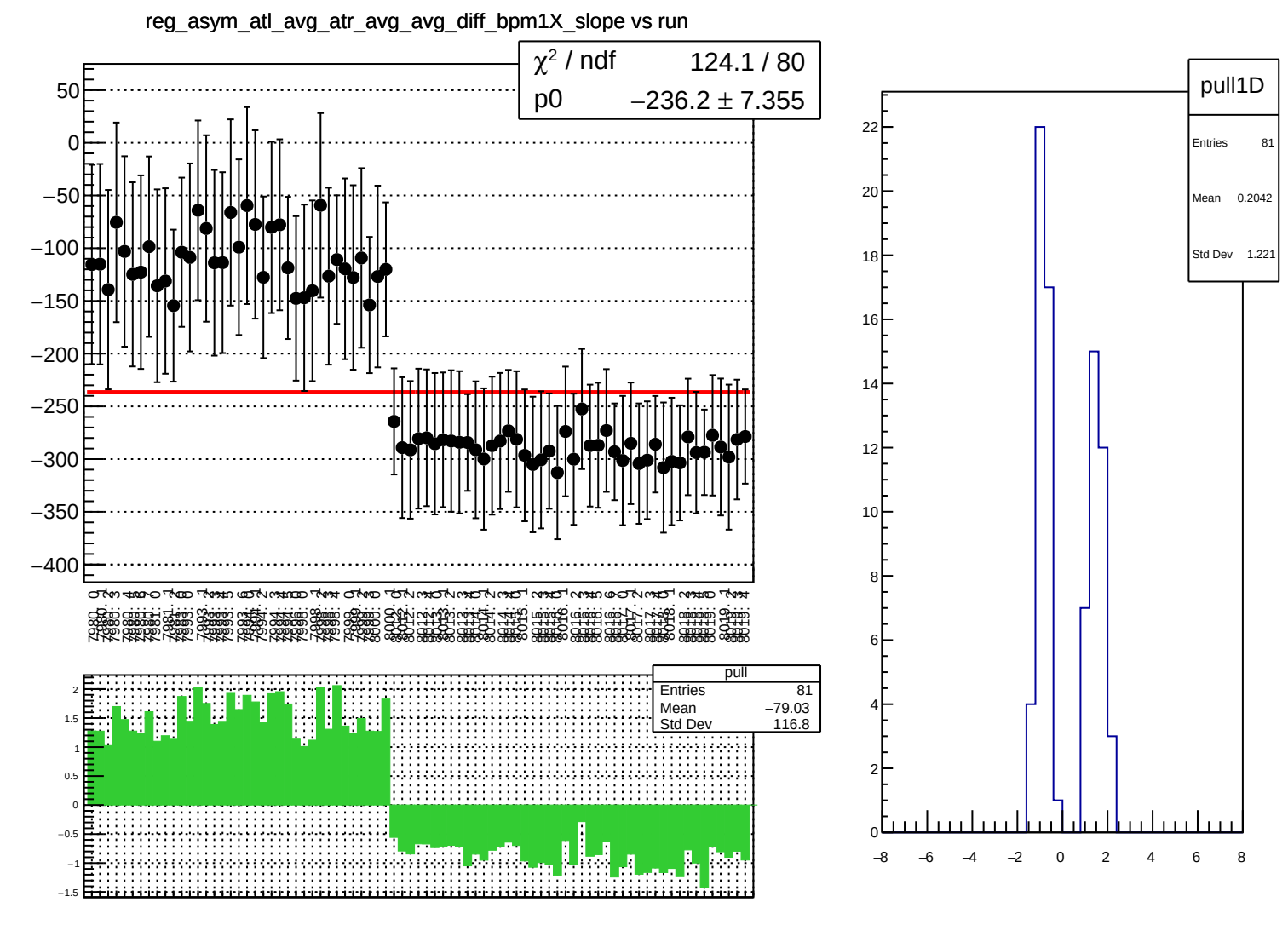

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.36 / 80
p0 51.97 ± 2.136
pull
Entries 81
Mean −94.43
Std Dev 135.3

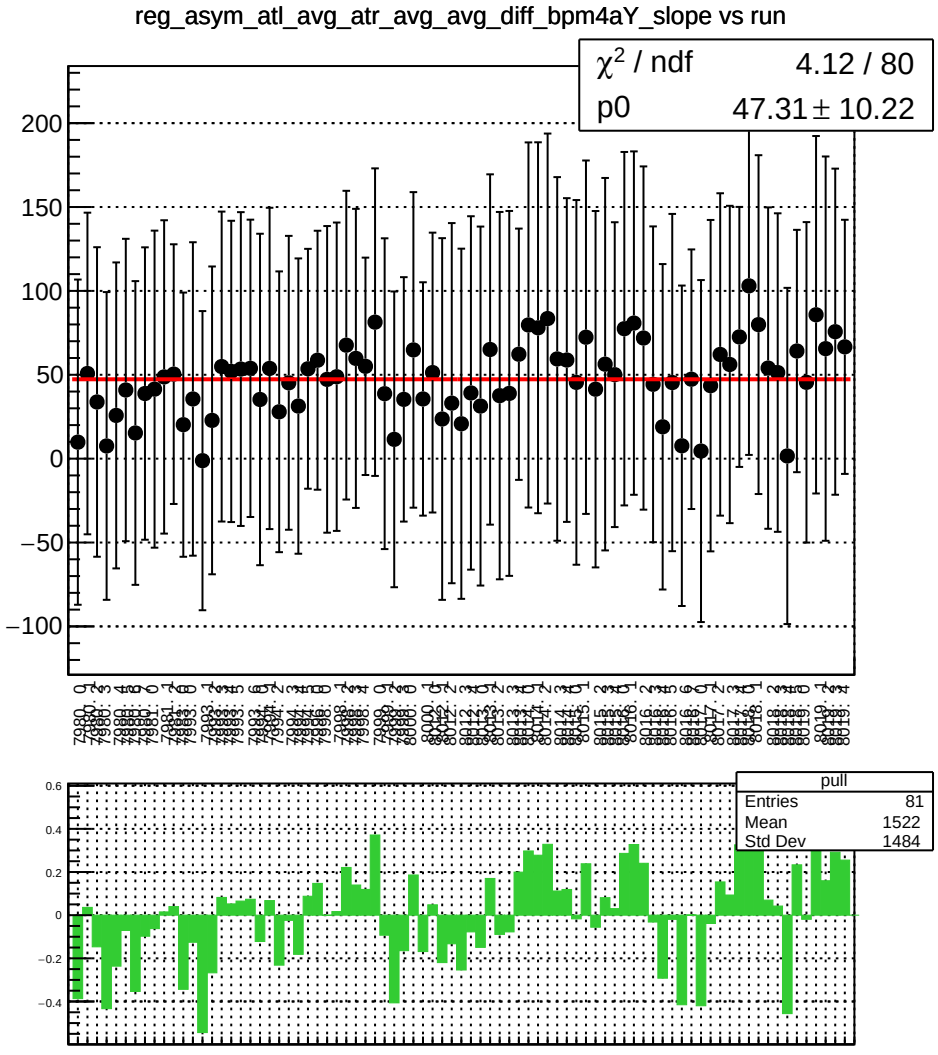

pull1D
Entries 81
Mean −0.04959
Std Dev 0.8102

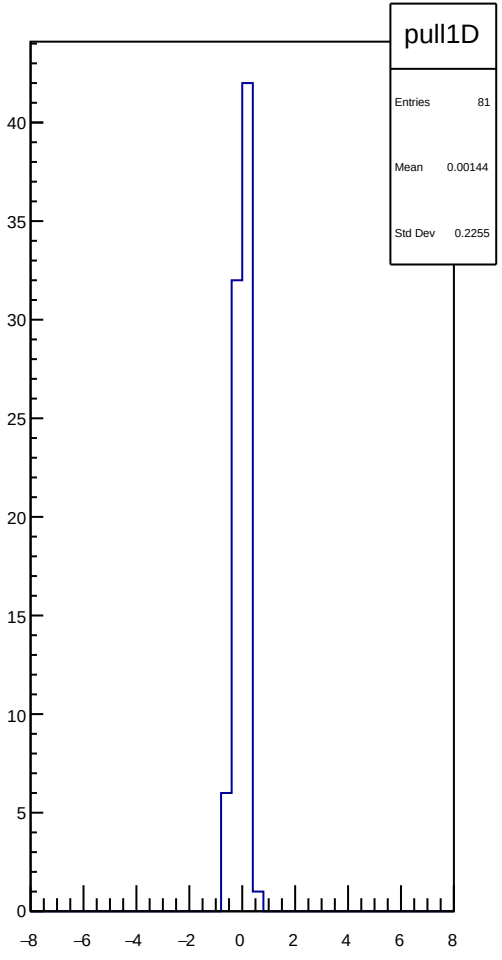

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.74 / 80
p0 −11.64 ± 3.268
pull
Entries 81
Mean 62.48
Std Dev 144

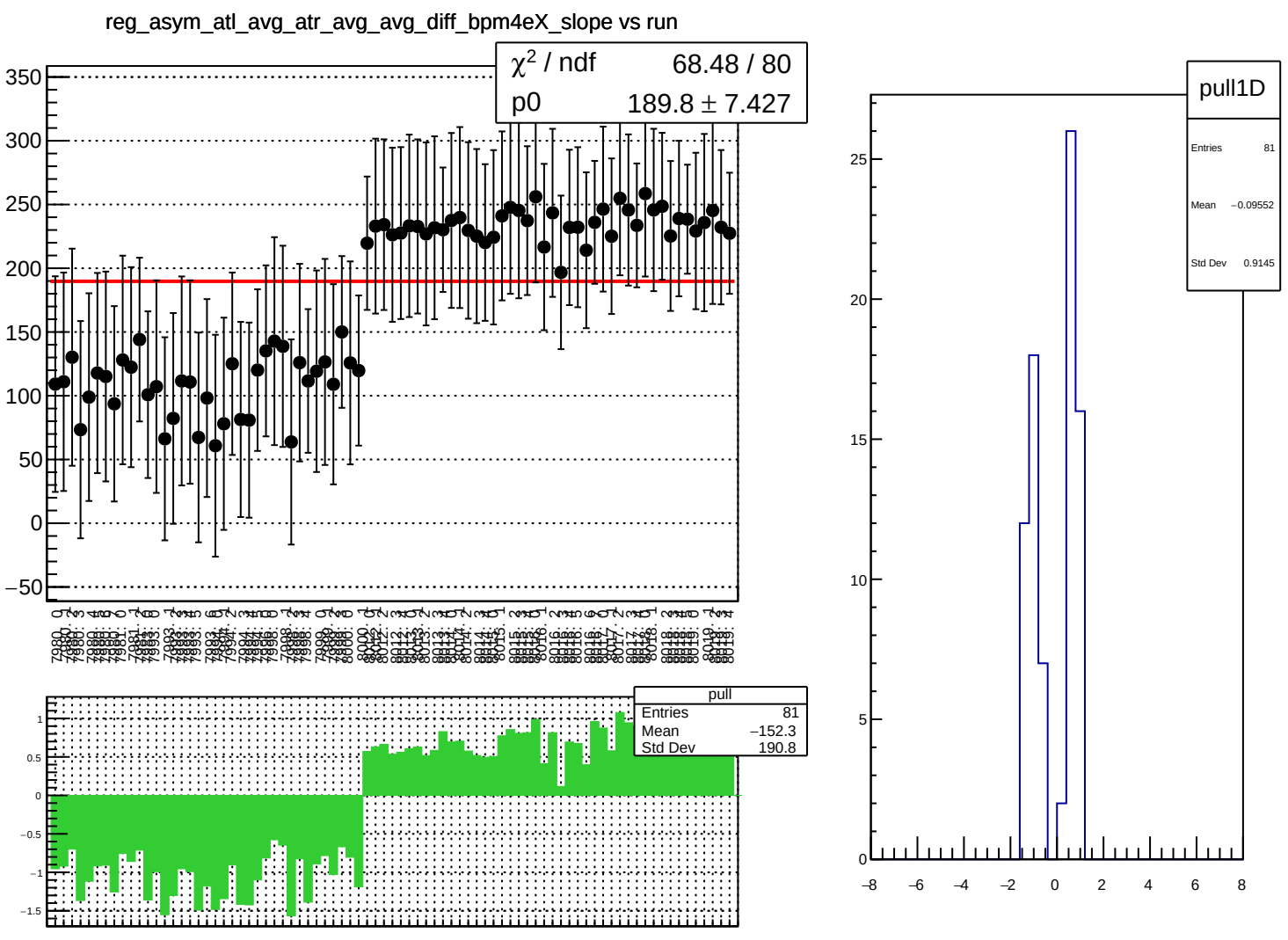

pull1D
Entries 81
Mean −0.001609
Std Dev 0.6735

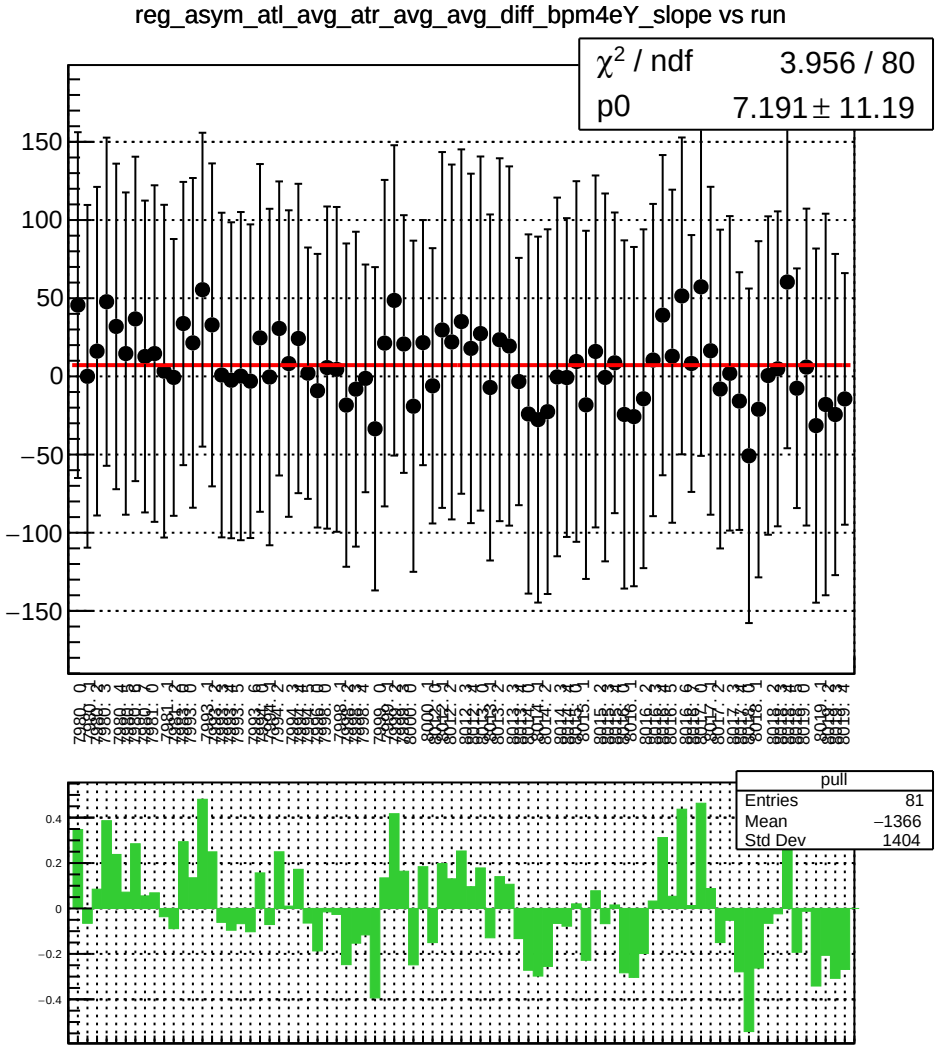

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 122.6 / 80
p0 3.151 ± 0.1231
pull
Entries 81
Mean 128.3
Std Dev 92.1
pull1D
Entries 81
Mean −0.1958
Std Dev 1.214

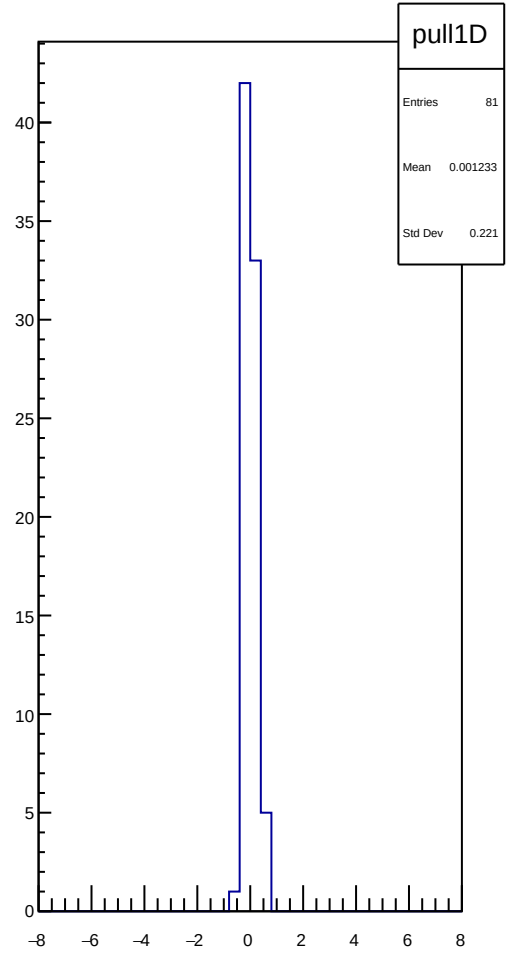

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 124.1 / 80
p0 −236.2 ± 7.355
pull
Entries 81
Mean −79.03
Std Dev 116.8
pull1D
Entries 81
Mean 0.2042
Std Dev 1.221

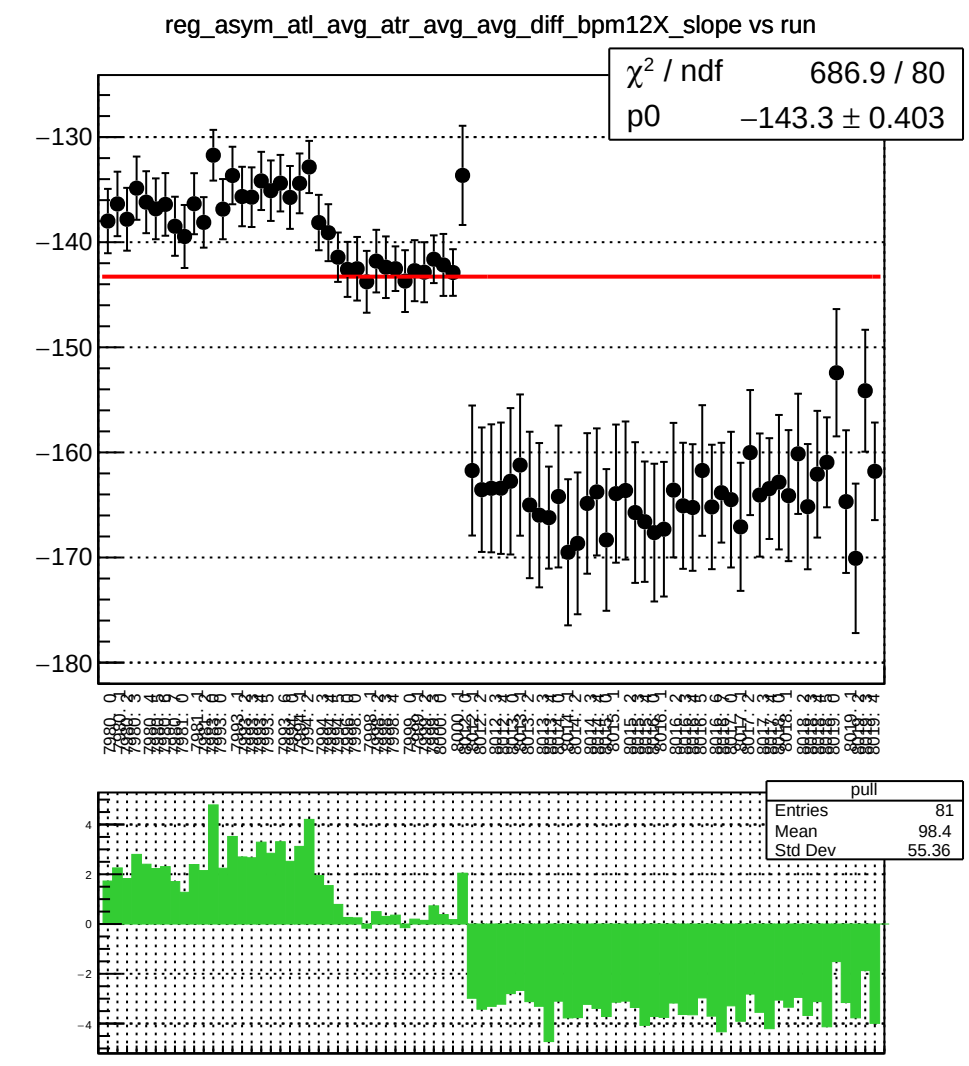

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.12 / 80
p0 47.31 ± 10.22
pull
Entries 81
Mean 1522
Std Dev 1484

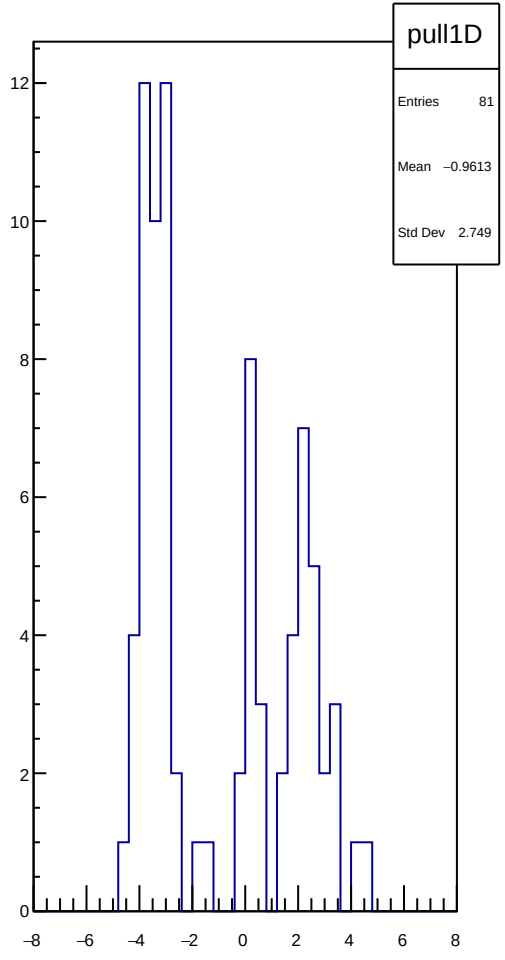

pull1D
Entries 81
Mean 0.00144
Std Dev 0.2255

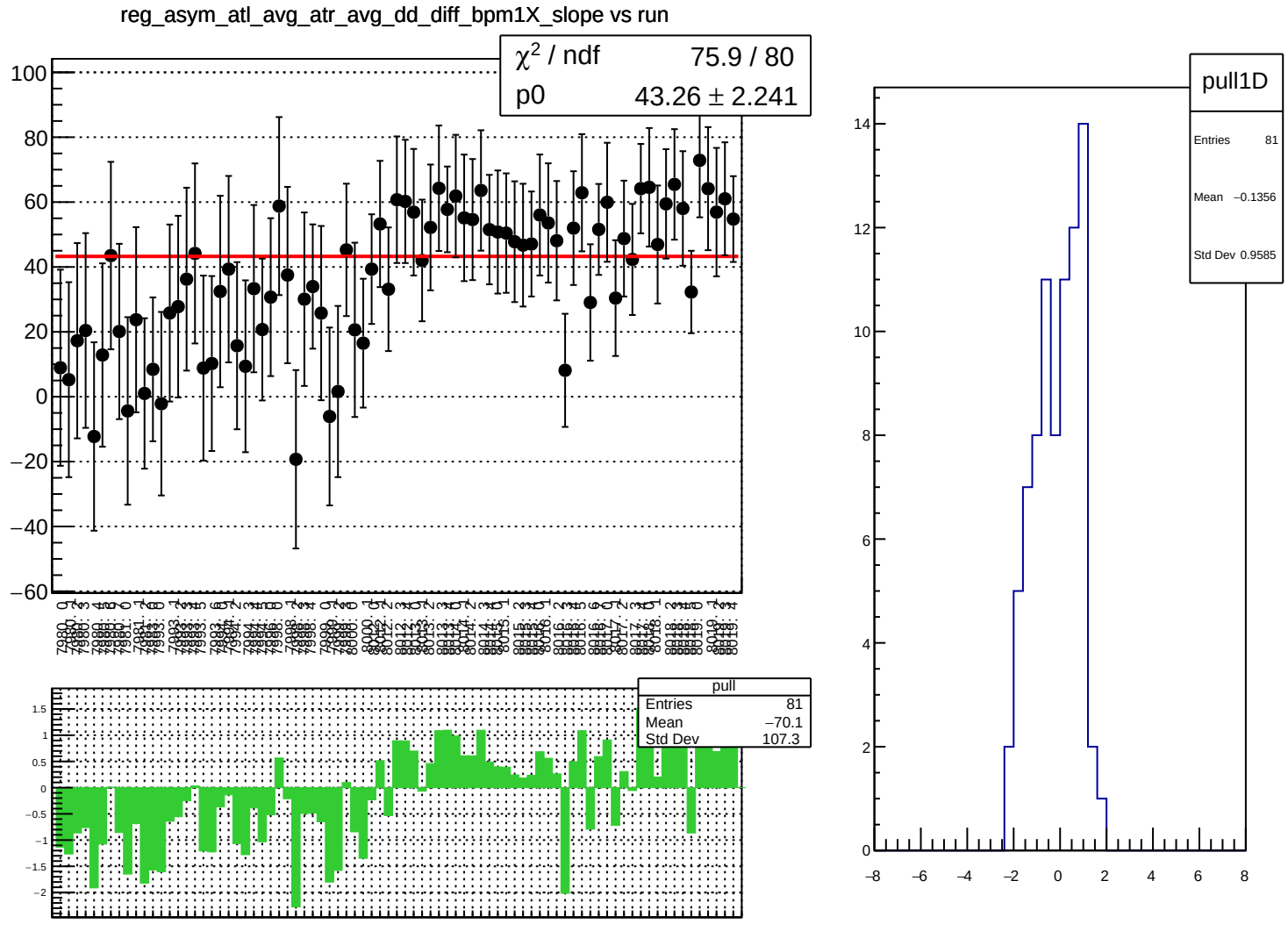

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.48 / 80
p0 189.8 ± 7.427
pull
Entries 81
Mean −152.3
Std Dev 190.8
pull1D
Entries 81
Mean −0.09552
Std Dev 0.9145

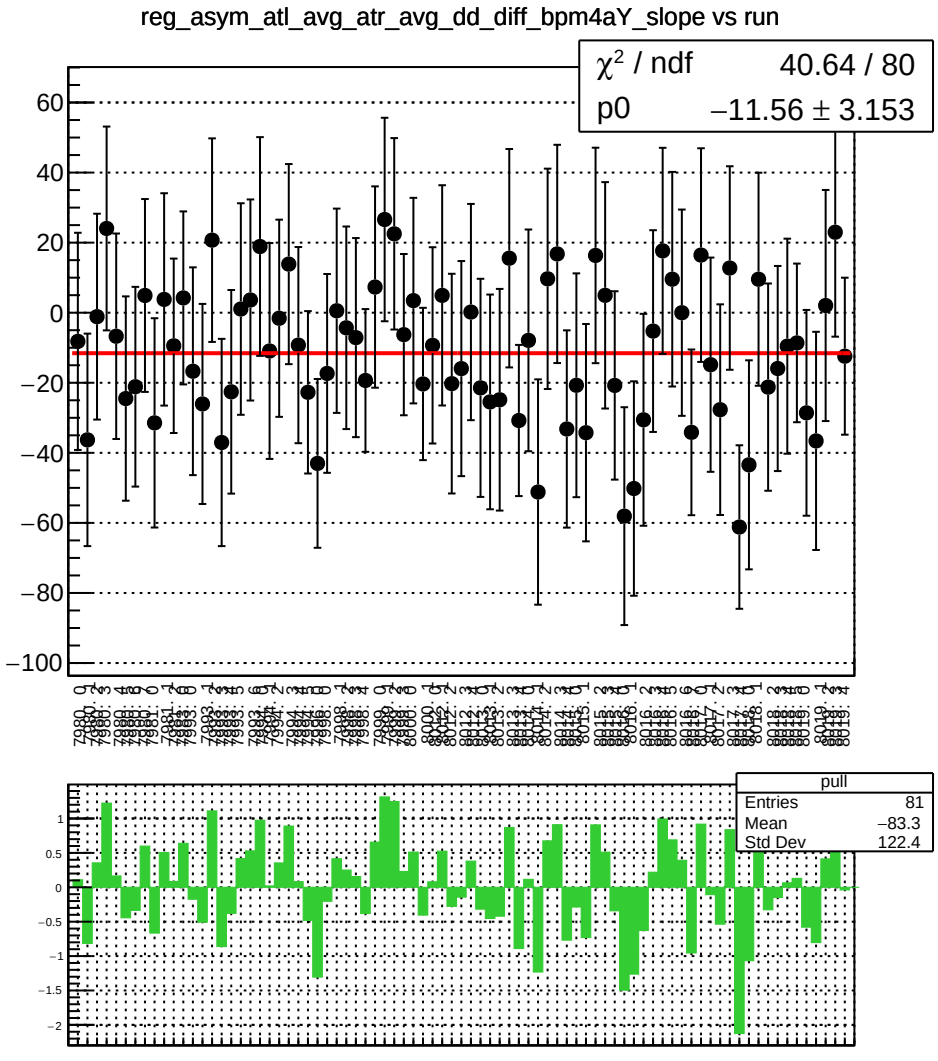

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.956 / 80
p0 7.191 ± 11.19
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean −1366
Std Dev 1404
0.4
0.2
0
−0.2
−0.4

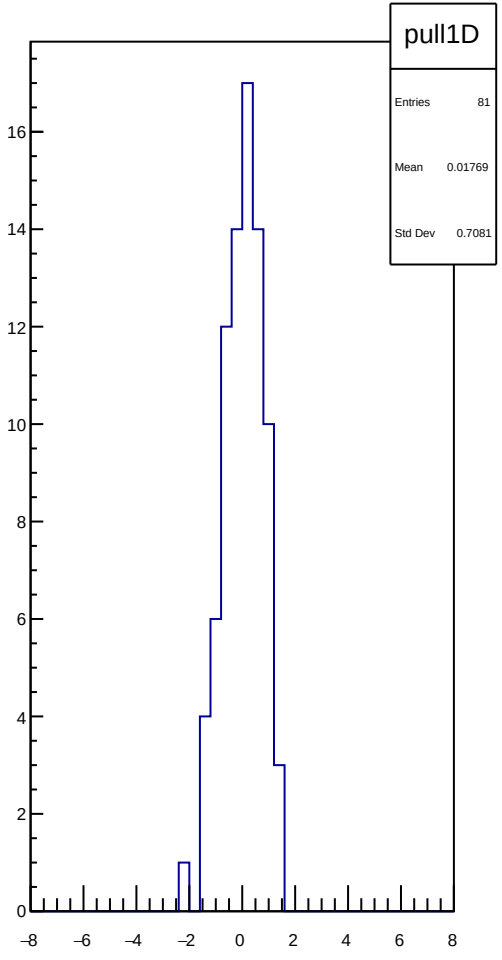

pull1D
Entries 81
Mean 0.001233
Std Dev 0.221
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

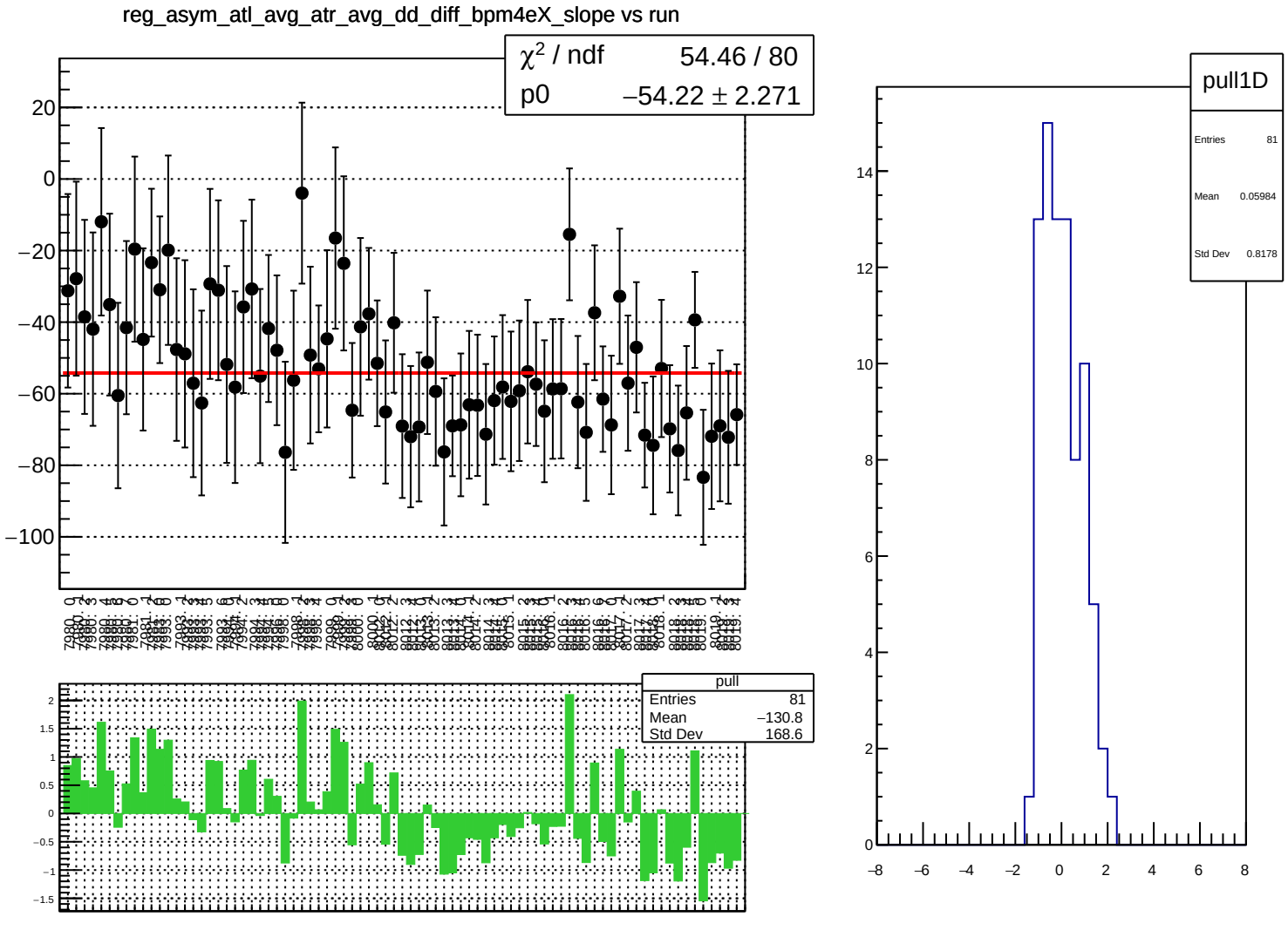

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 686.9 / 80
p0 −143.3 ± 0.403
−130
−140
−150
−160
−170
−180
pull
Entries 81
Mean 98.4
Std Dev 55.36
4
2
0
−2
−4

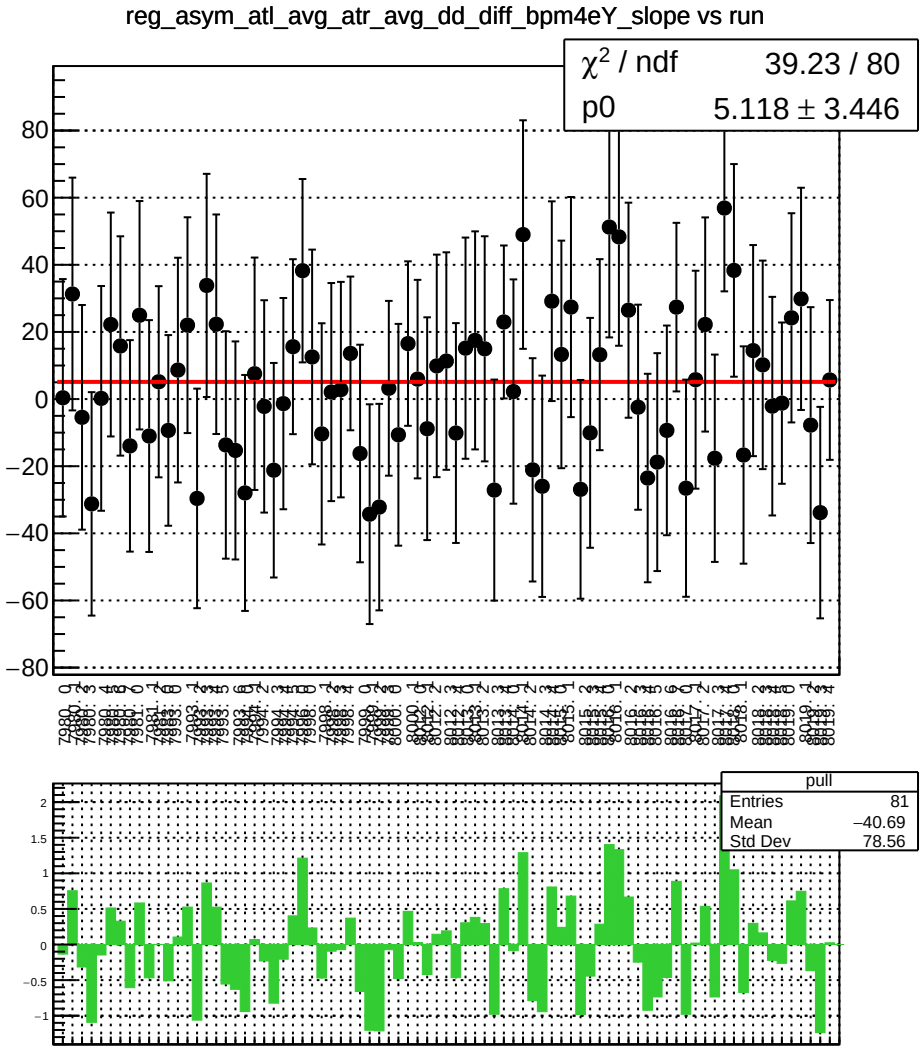

pull1D
Entries 81
Mean −0.9613
Std Dev 2.749
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

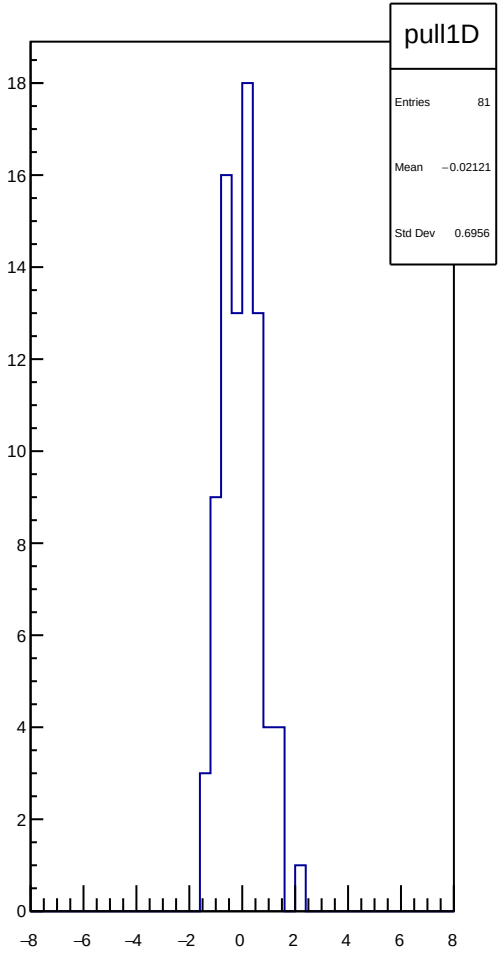

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 75.9 / 80
p0 43.26 ± 2.241
pull
Entries 81
Mean −70.1
Std Dev 107.3
pull1D
Entries 81
Mean −0.1356
Std Dev 0.9585

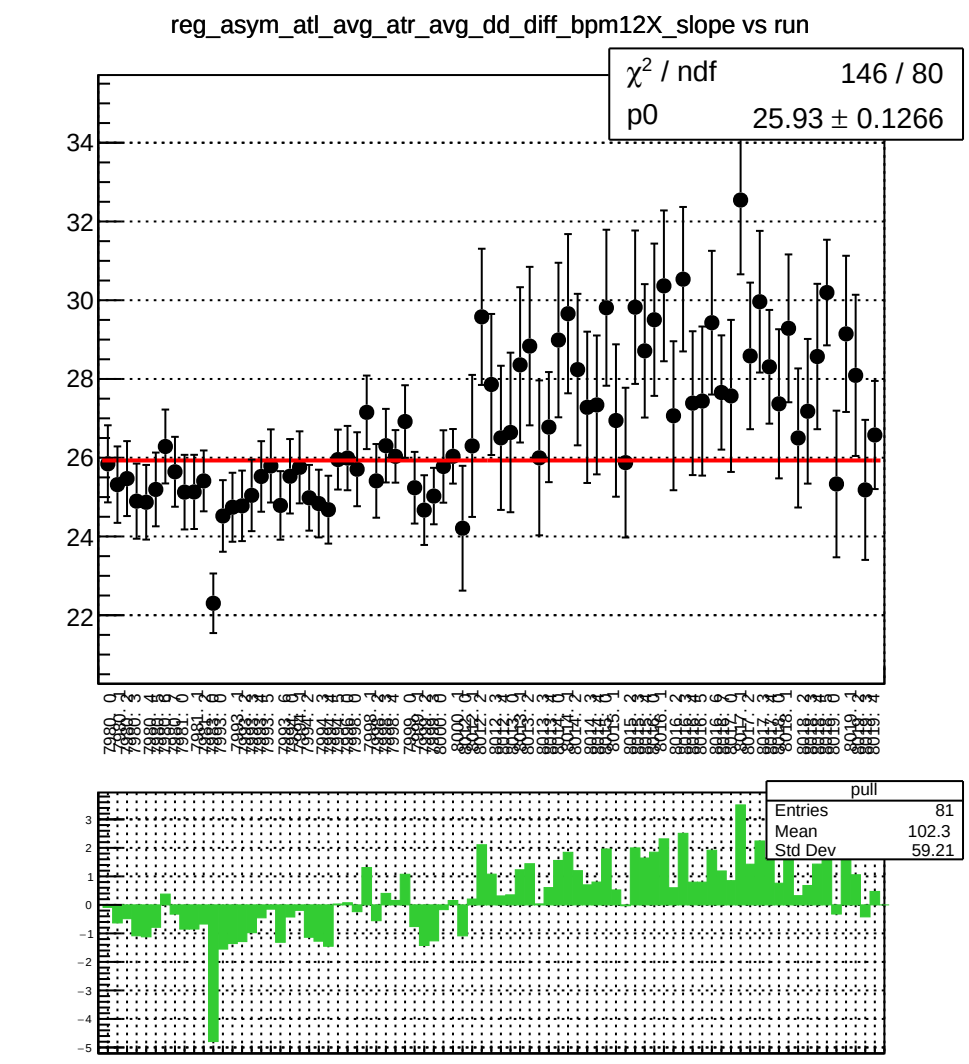

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.64 / 80
p0 −11.56 ± 3.153
pull
Entries 81
Mean −83.3
Std Dev 122.4

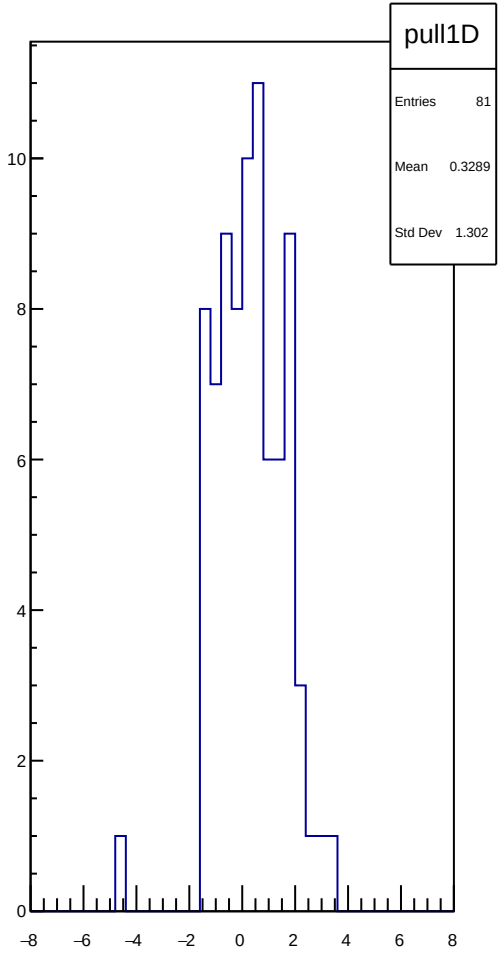

pull1D
Entries 81
Mean 0.01769
Std Dev 0.7081

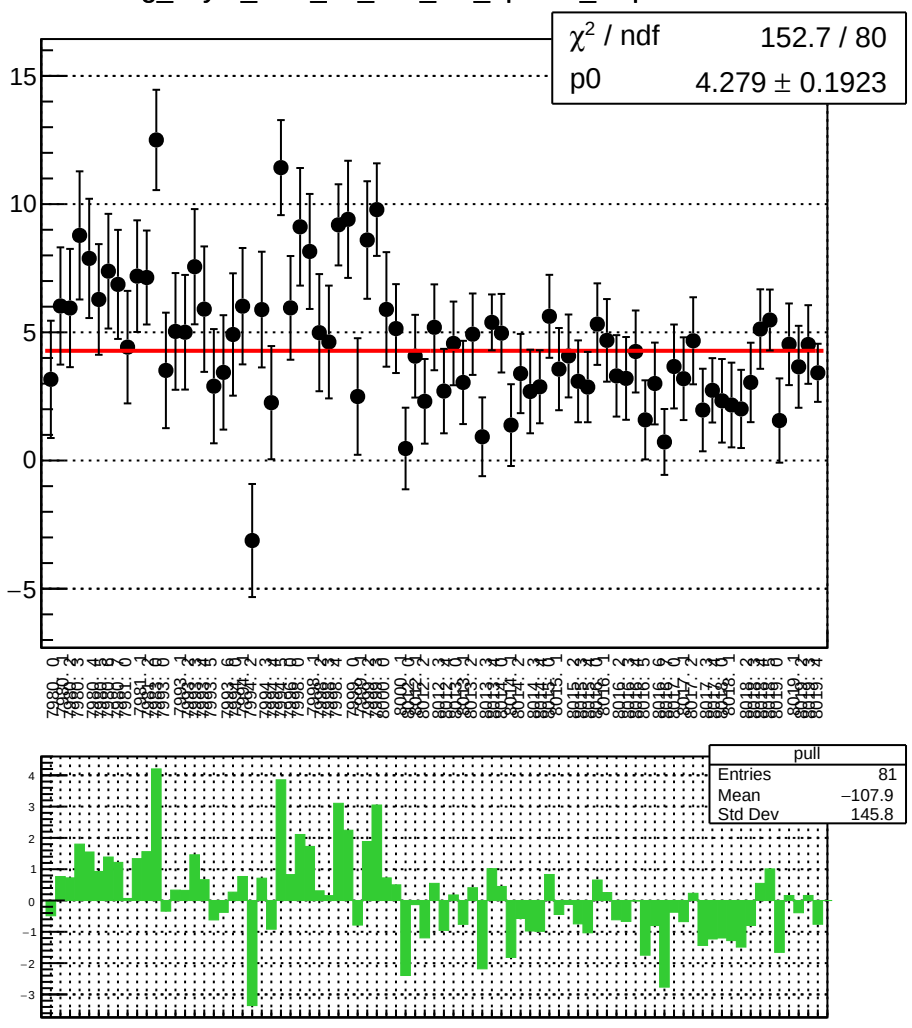

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.46 / 80
p0 −54.22 ± 2.271
pull
Entries 81
Mean −130.8
Std Dev 168.6
pull1D
Entries 81
Mean 0.05984
Std Dev 0.8178

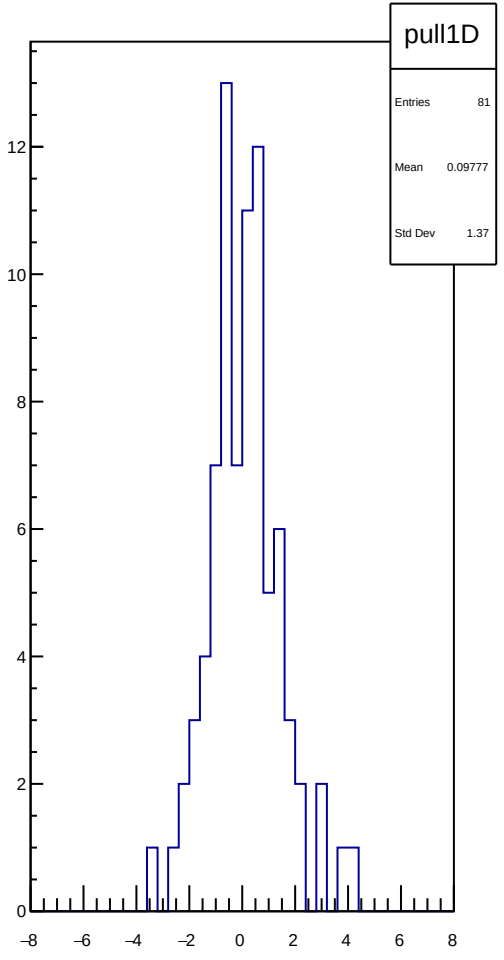

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.23 / 80
p0 5.118 ± 3.446
pull
Entries 81
Mean −40.69
Std Dev 78.56

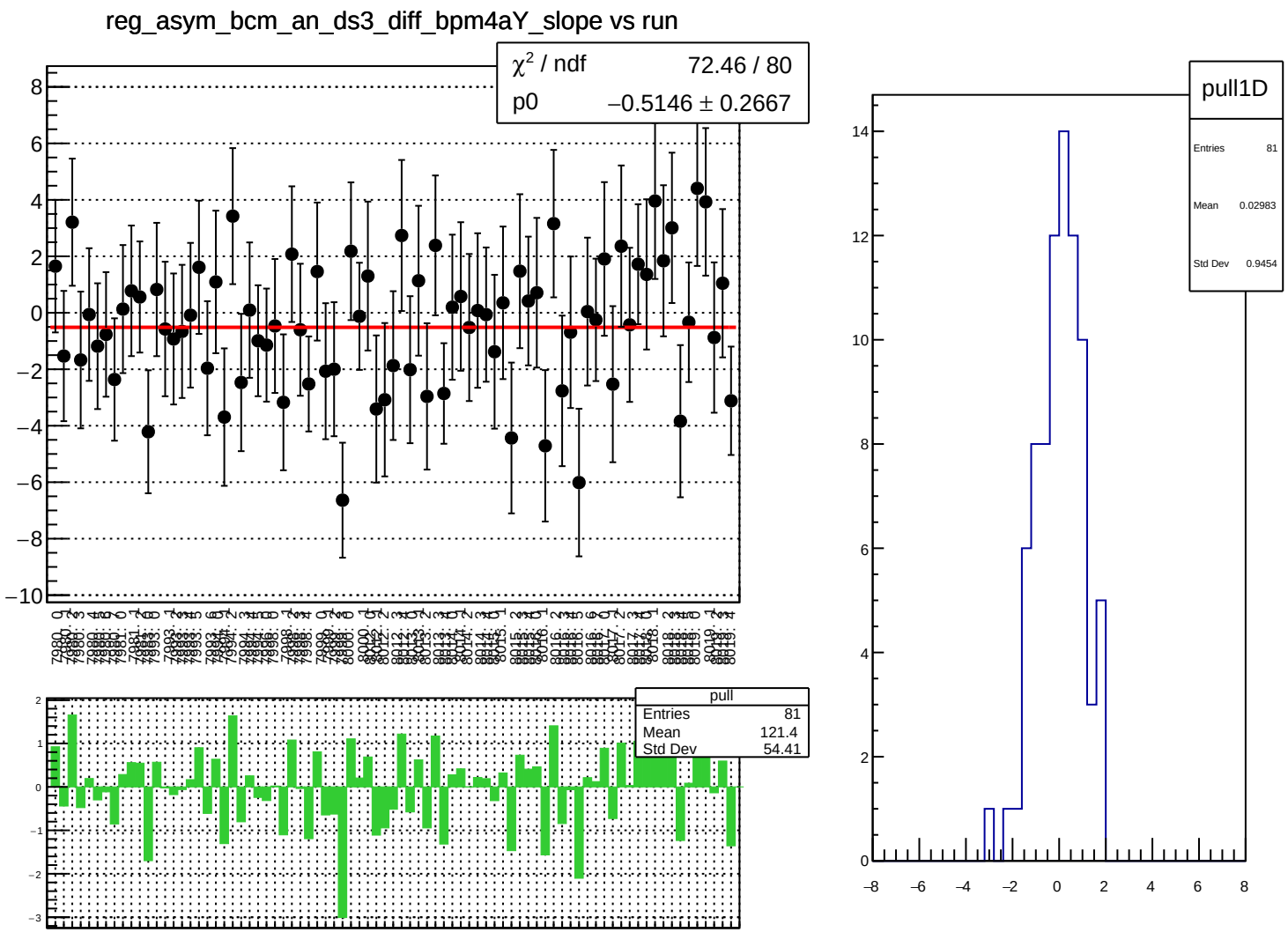

pull1D
Entries 81
Mean −0.02121
Std Dev 0.6956

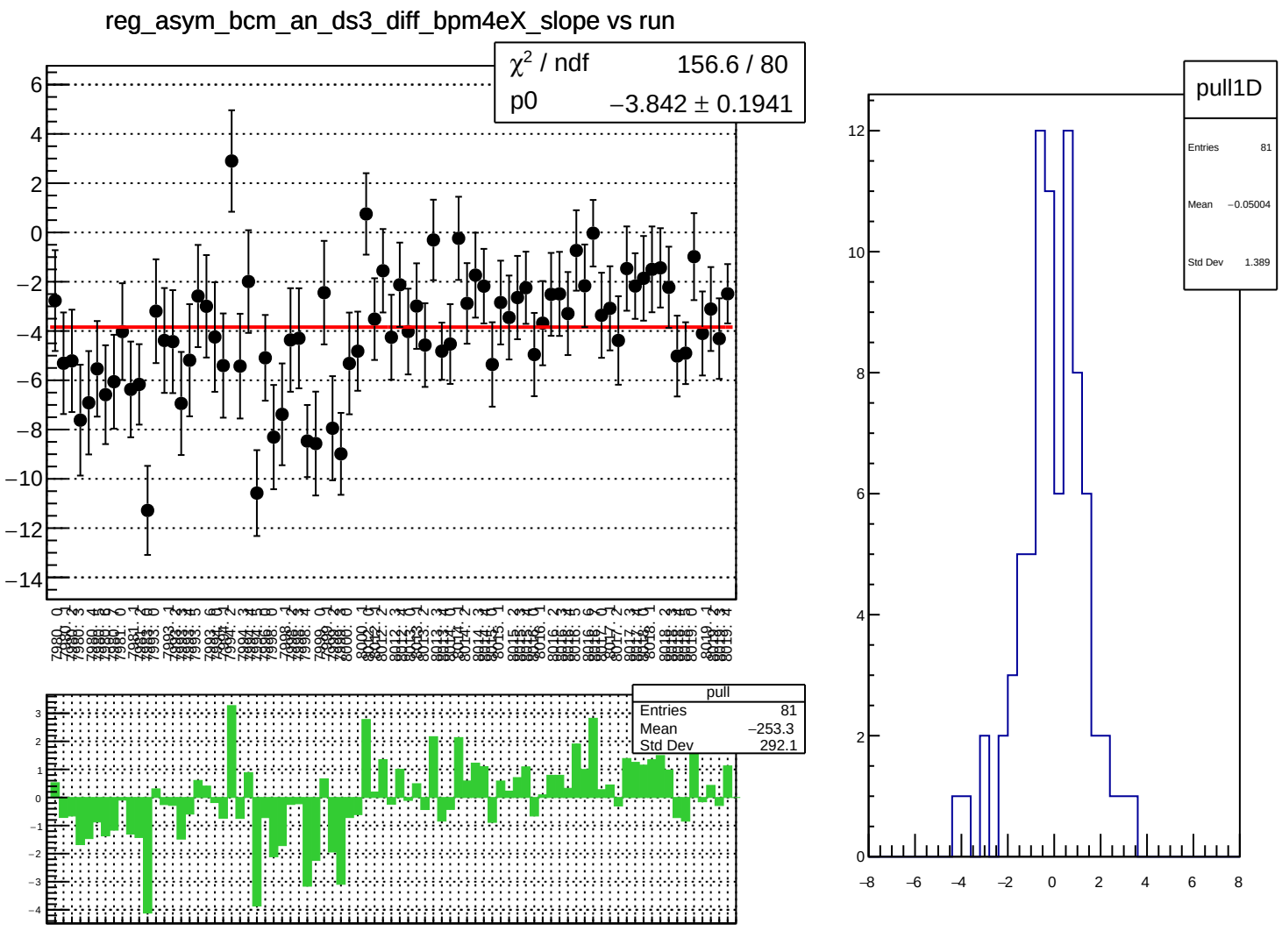

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 146 / 80
p0 25.93 ± 0.1266
pull
Entries 81
Mean 102.3
Std Dev 59.21

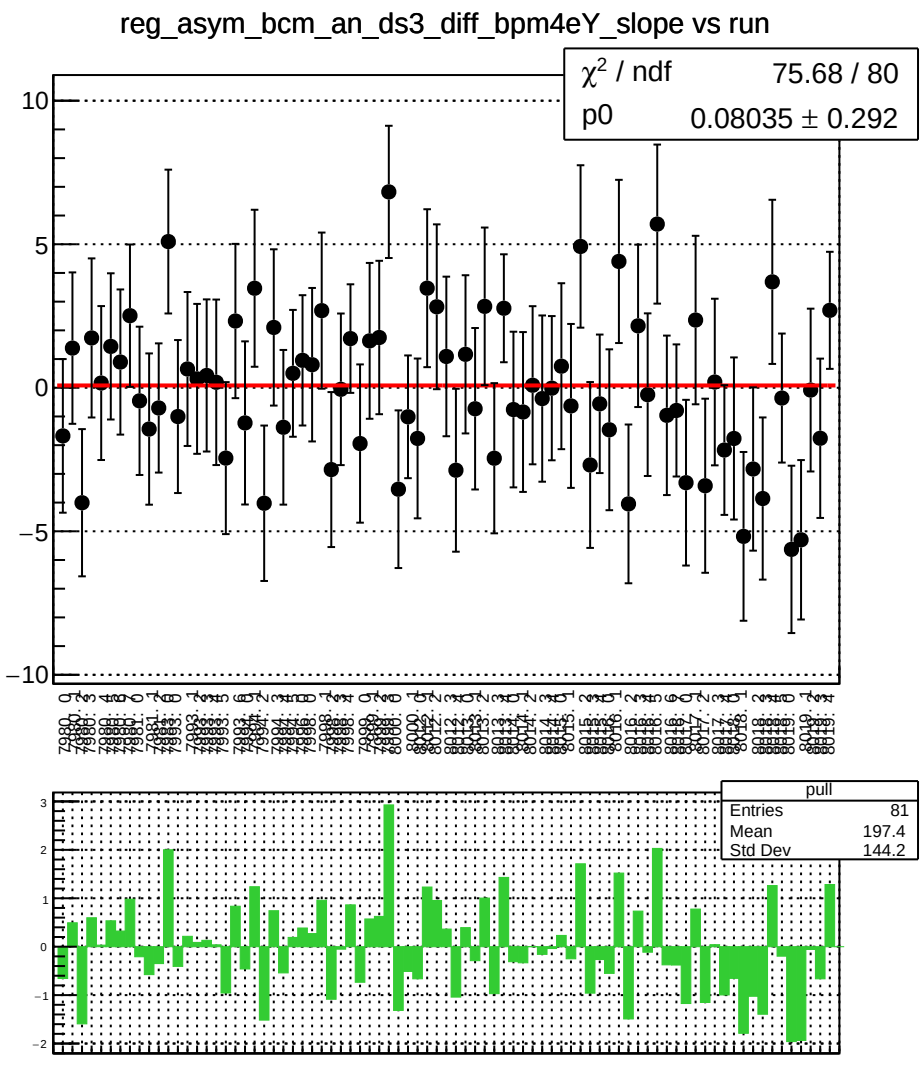

pull1D
Entries 81
Mean 0.3289
Std Dev 1.302

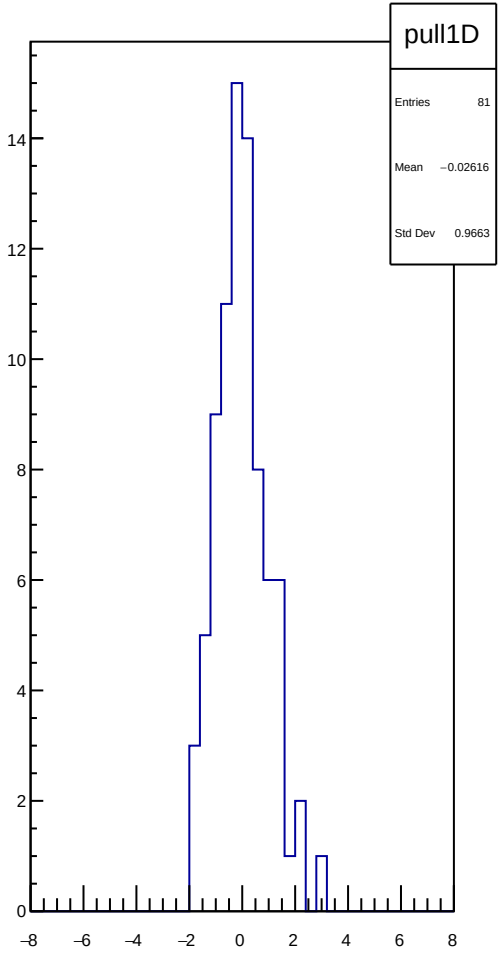

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 152.7 / 80
p0 4.279 ± 0.1923
pull
Entries 81
Mean −107.9
Std Dev 145.8

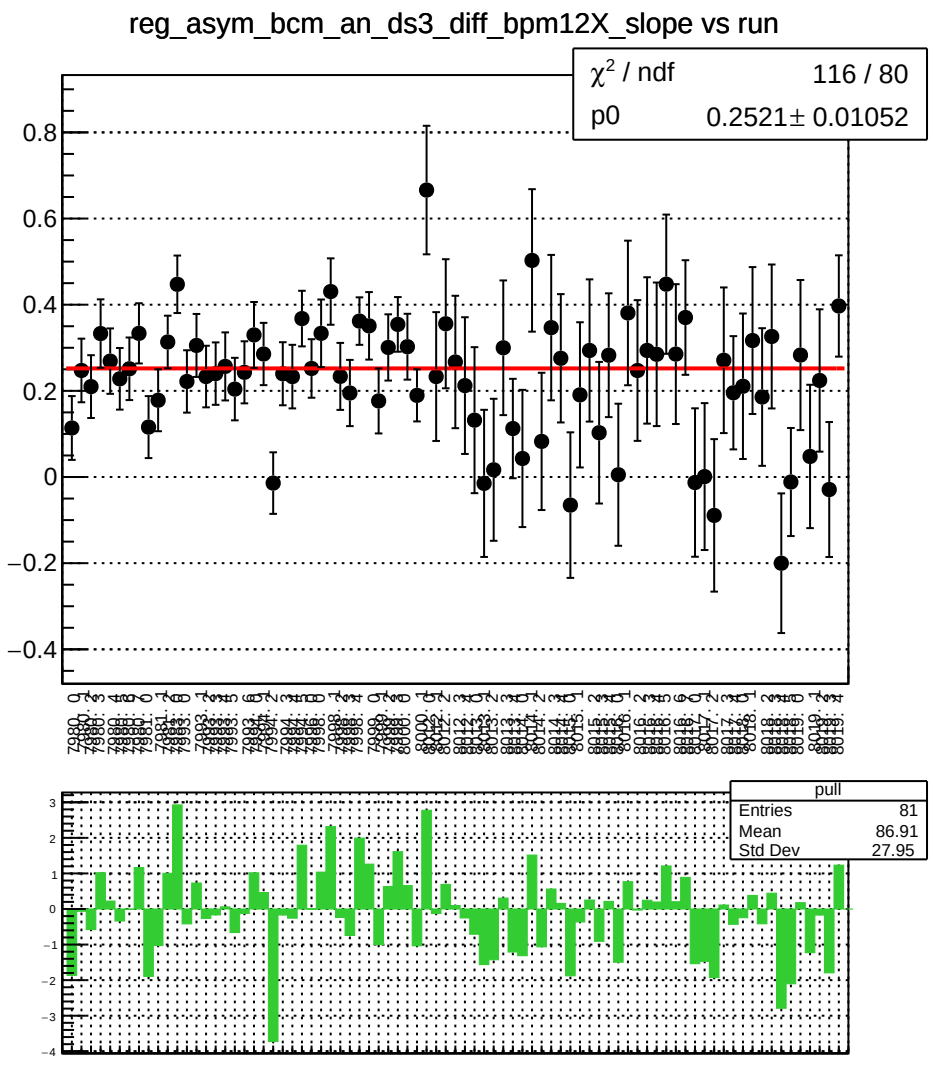

pull1D
Entries 81
Mean 0.09777
Std Dev 1.37

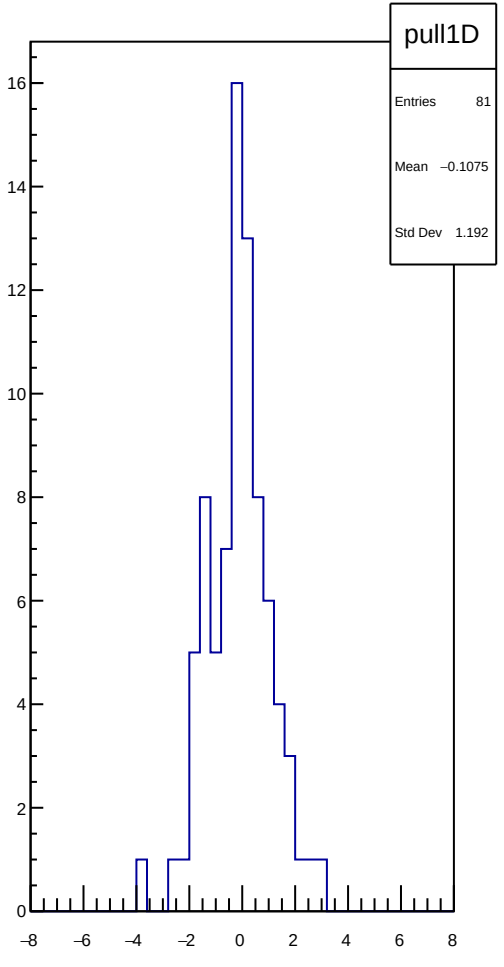

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 72.46 / 80
p0 −0.5146 ± 0.2667
pull
Entries 81
Mean 121.4
Std Dev 54.41
pull1D
Entries 81
Mean 0.02983
Std Dev 0.9454

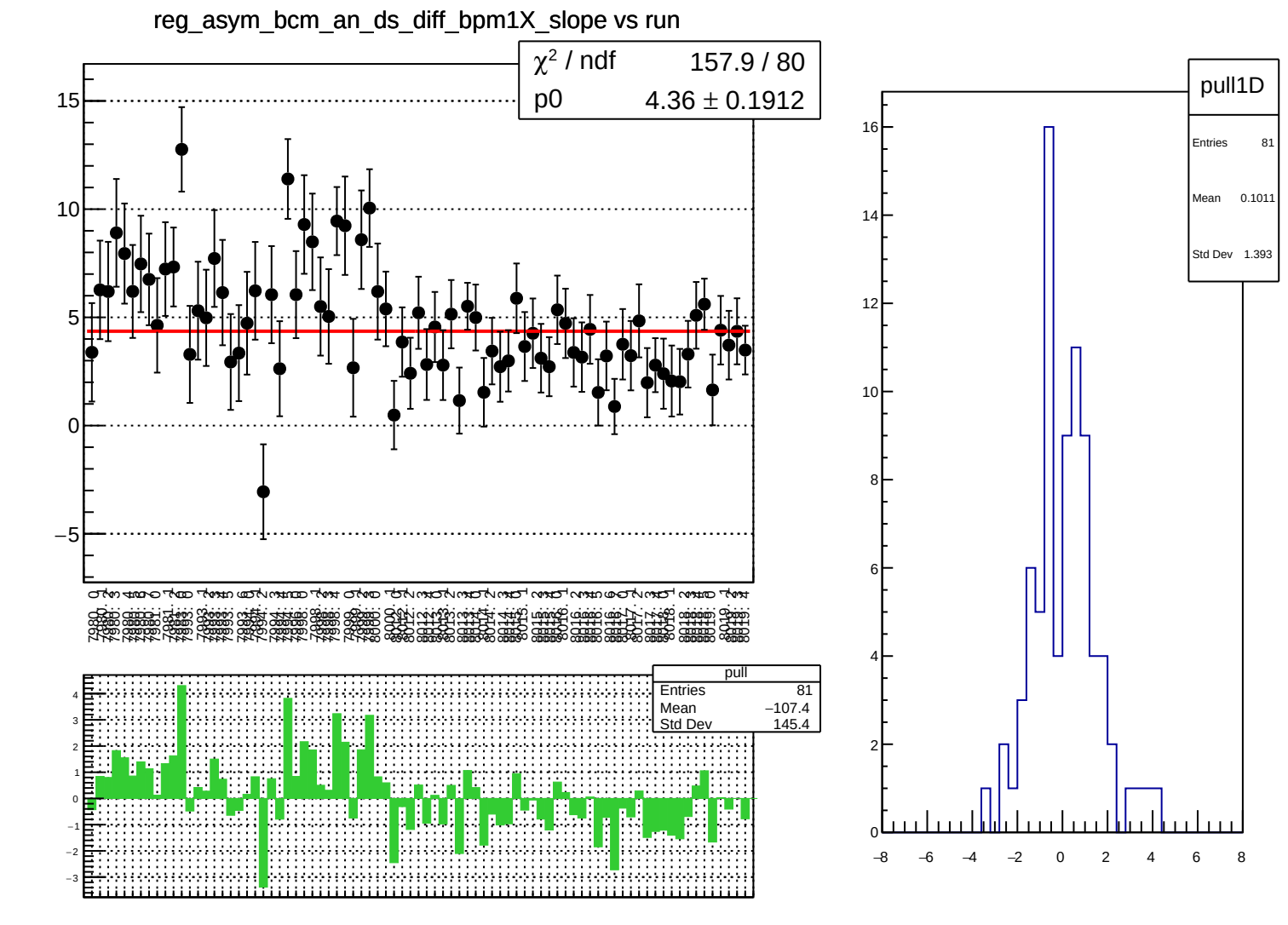

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 156.6 / 80
p0 −3.842 ± 0.1941
pull
Entries 81
Mean −253.3
Std Dev 292.1
pull1D
Entries 81
Mean −0.05004
Std Dev 1.389

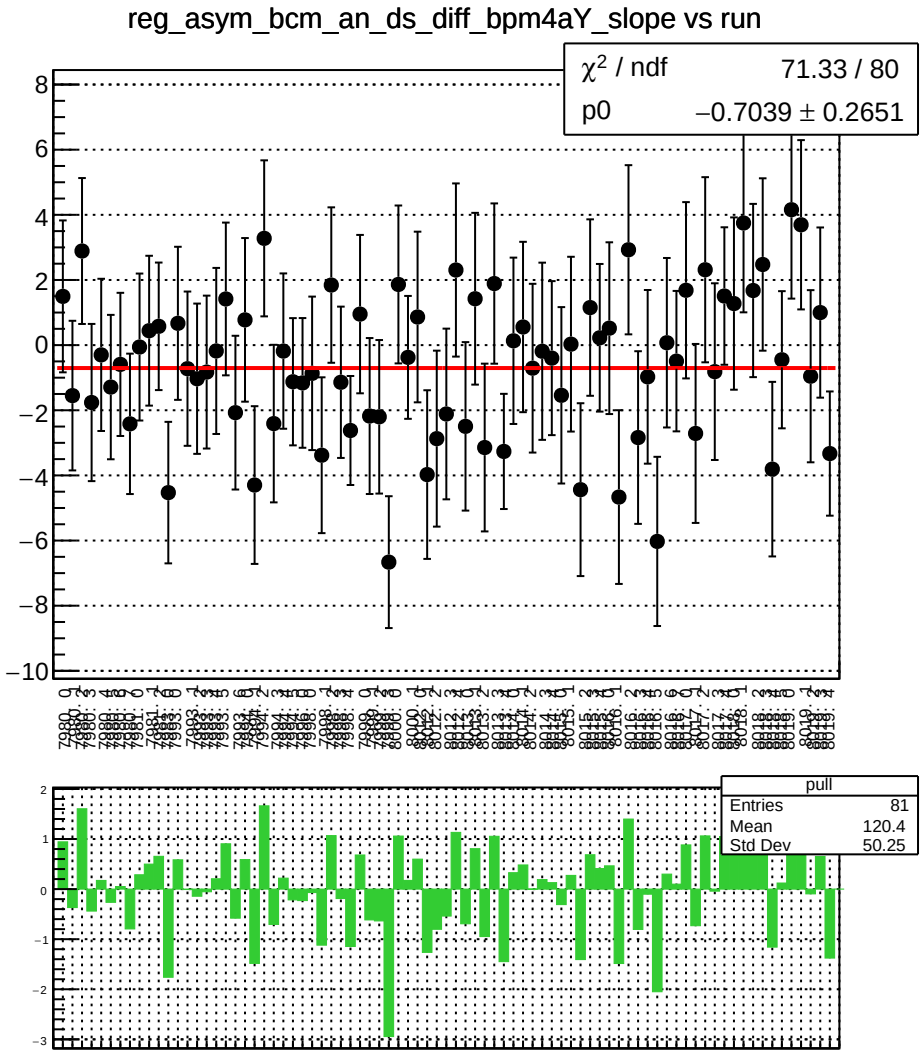

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 75.68 / 80
p0 0.08035 ± 0.292
pull
Entries 81
Mean 197.4
Std Dev 144.2

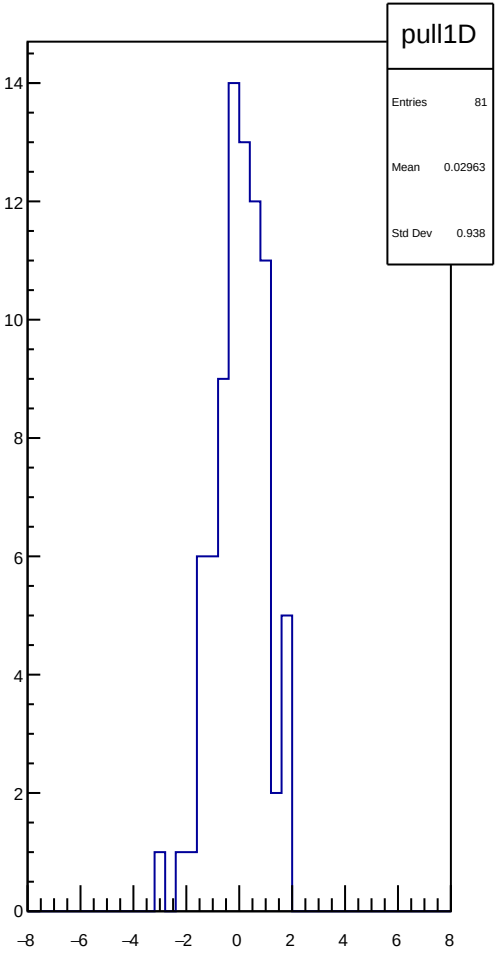

pull1D
Entries 81
Mean −0.02616
Std Dev 0.9663

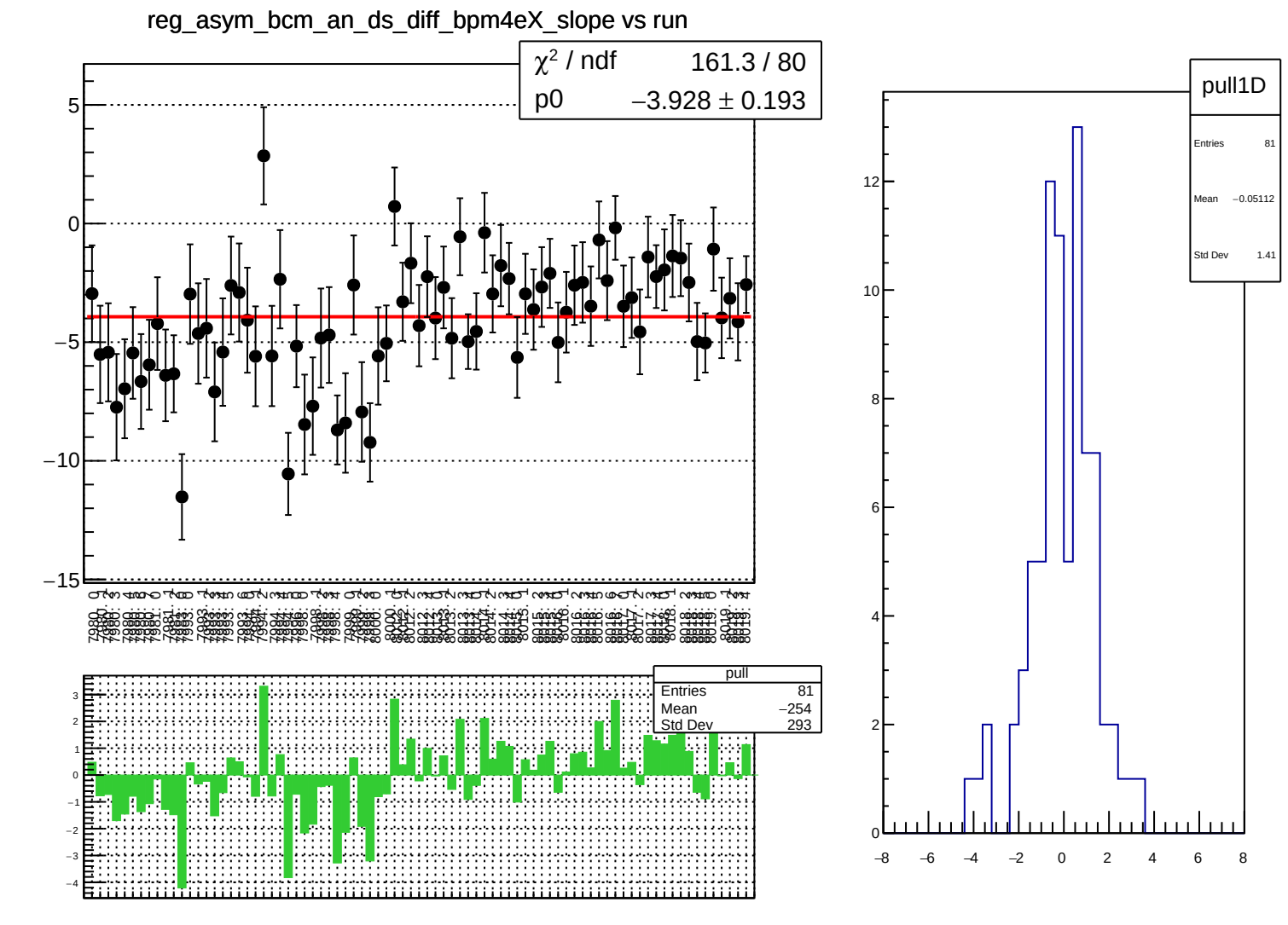

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 116 / 80
p0 0.2521± 0.01052
pull
Entries 81
Mean 86.91
Std Dev 27.95

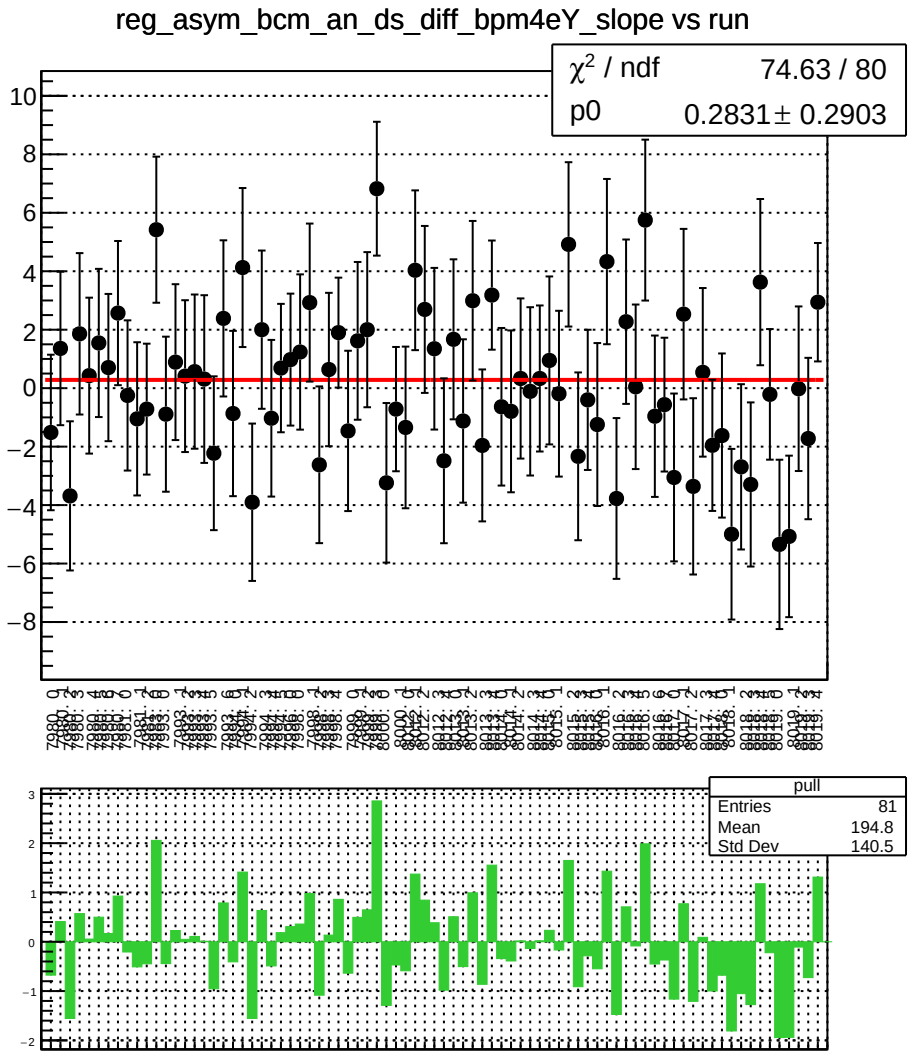

pull1D
Entries 81
Mean −0.1075
Std Dev 1.192

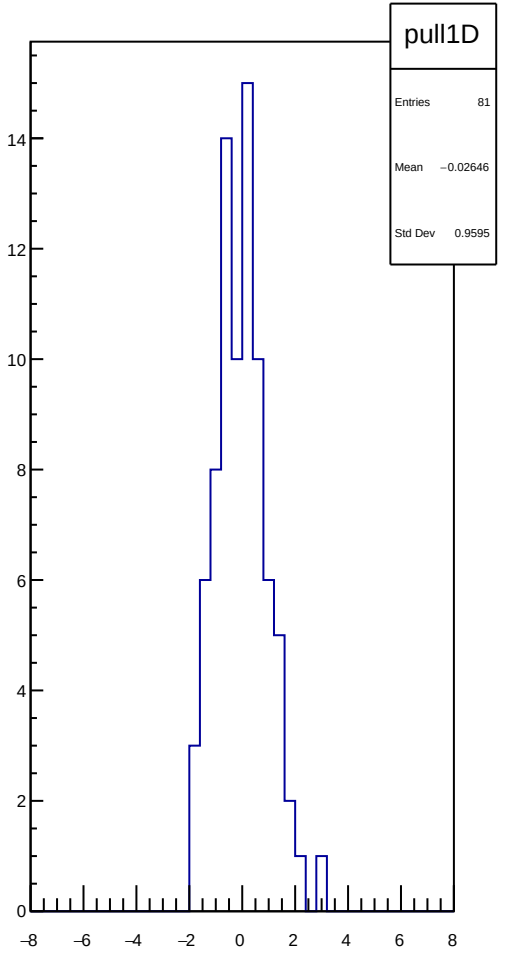

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 157.9 / 80
p0 4.36 ± 0.1912
pull
Entries 81
Mean −107.4
Std Dev 145.4
pull1D
Entries 81
Mean 0.1011
Std Dev 1.393

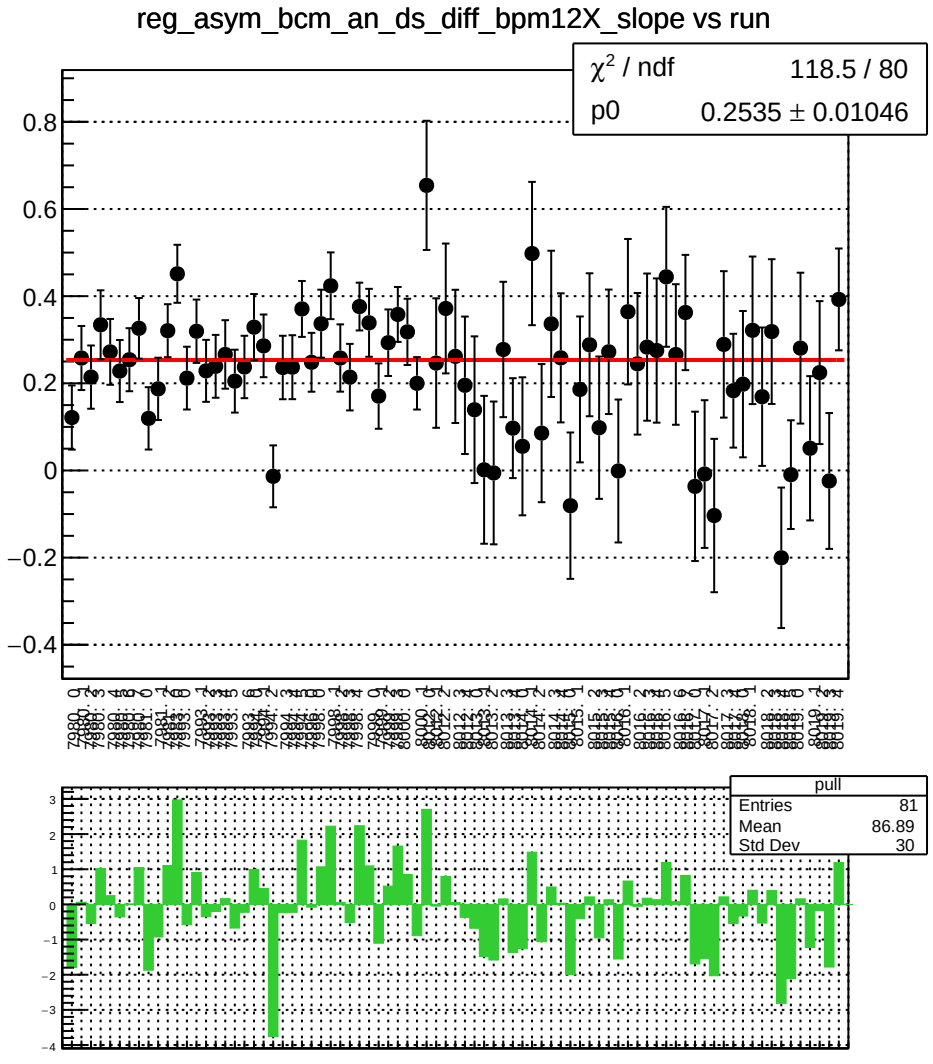

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 71.33 / 80
p0 −0.7039 ± 0.2651
pull
Entries 81
Mean 120.4
Std Dev 50.25

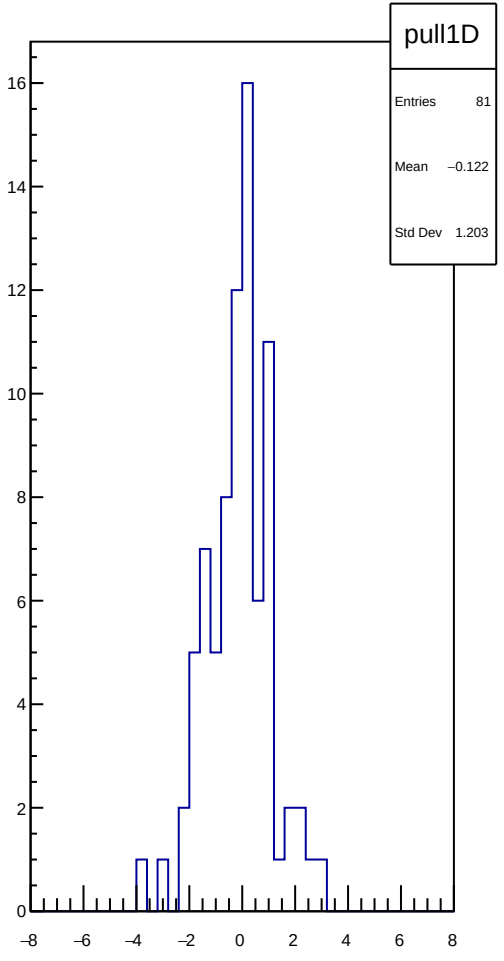

pull1D
Entries 81
Mean 0.02963
Std Dev 0.938

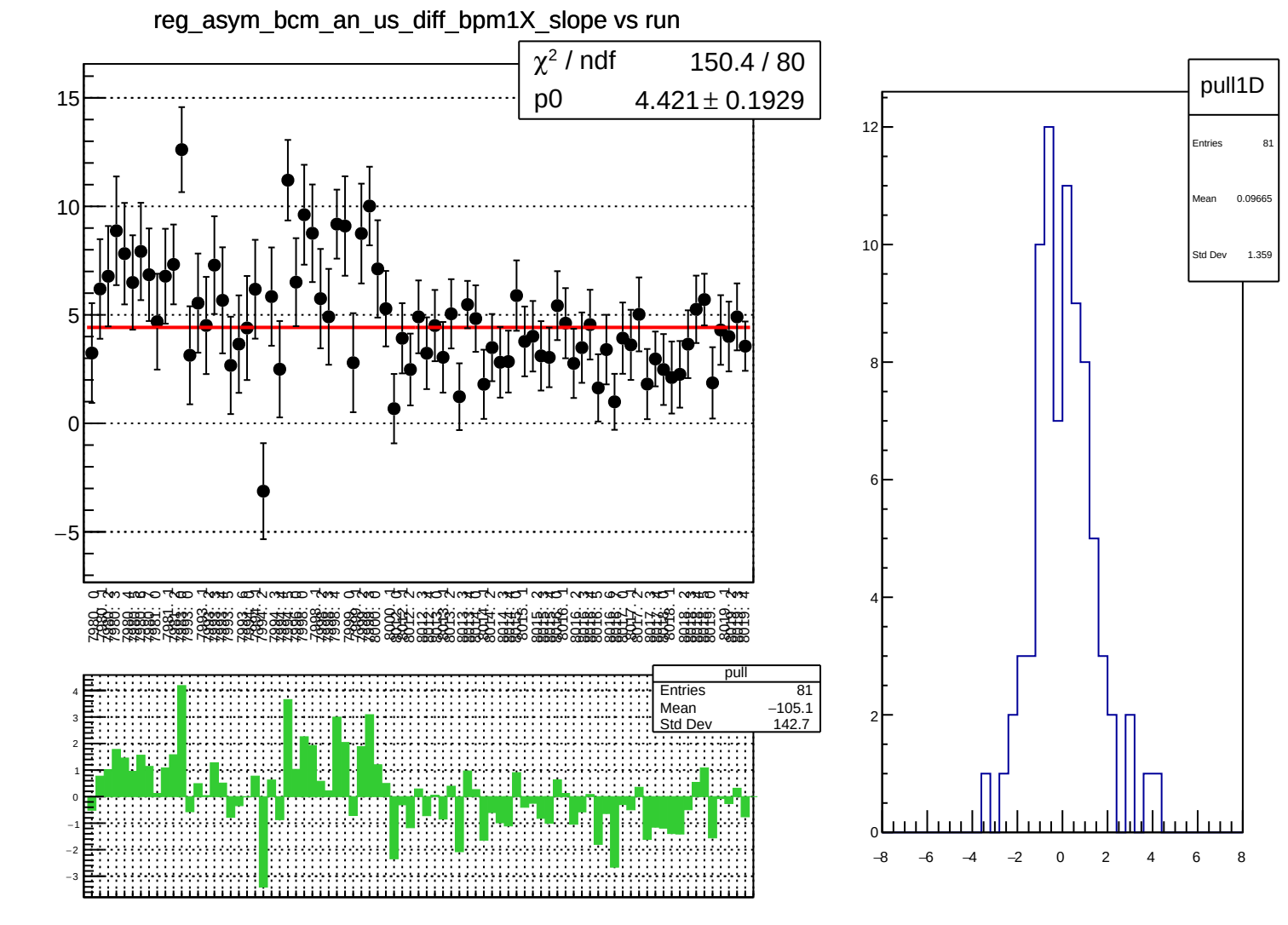

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 161.3 / 80
p0 −3.928 ± 0.193
pull
Entries 81
Mean −254
Std Dev 293
pull1D
Entries 81
Mean −0.05112
Std Dev 1.41

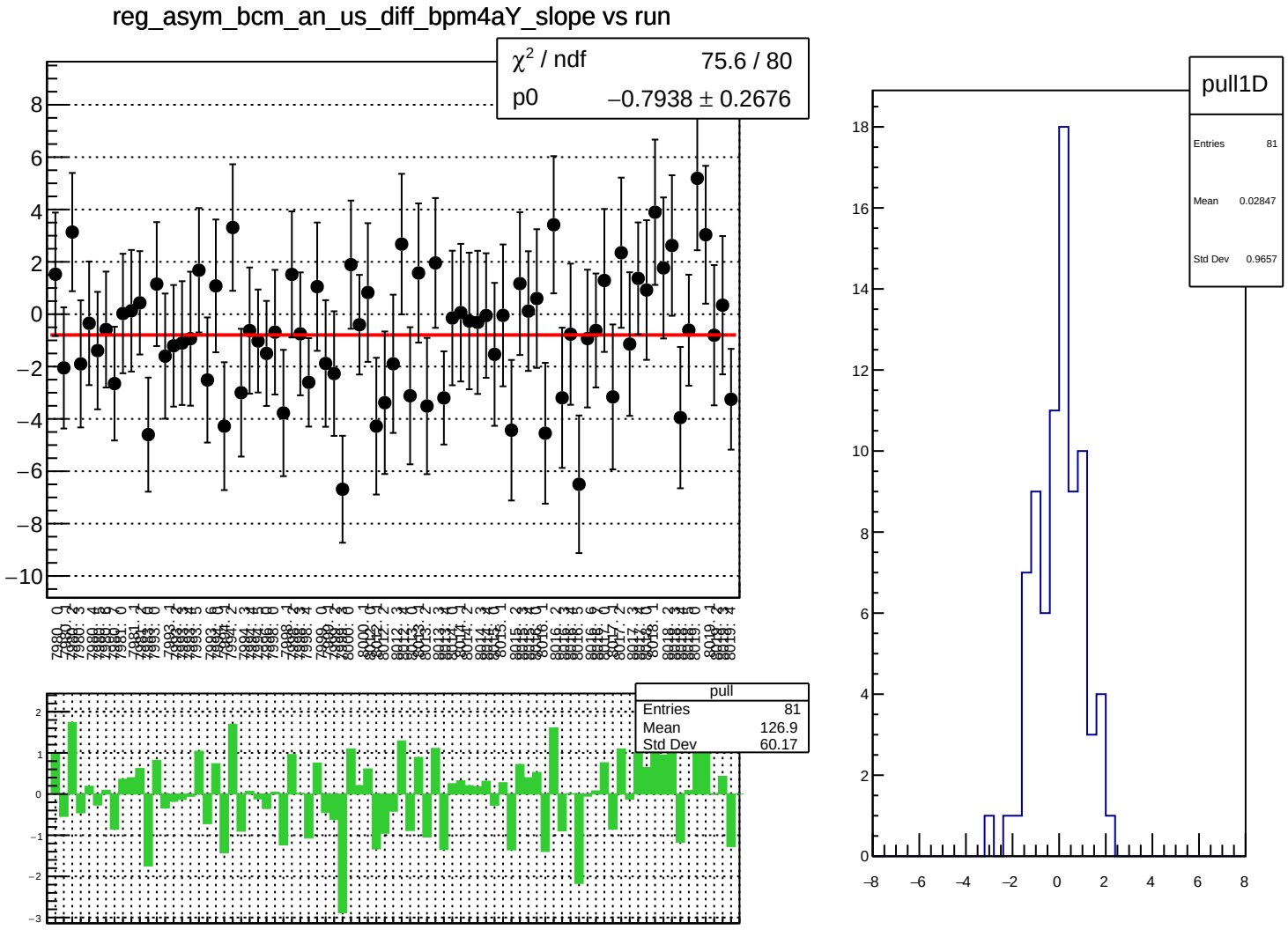

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 74.63 / 80
p0 0.2831± 0.2903
pull
Entries 81
Mean 194.8
Std Dev 140.5

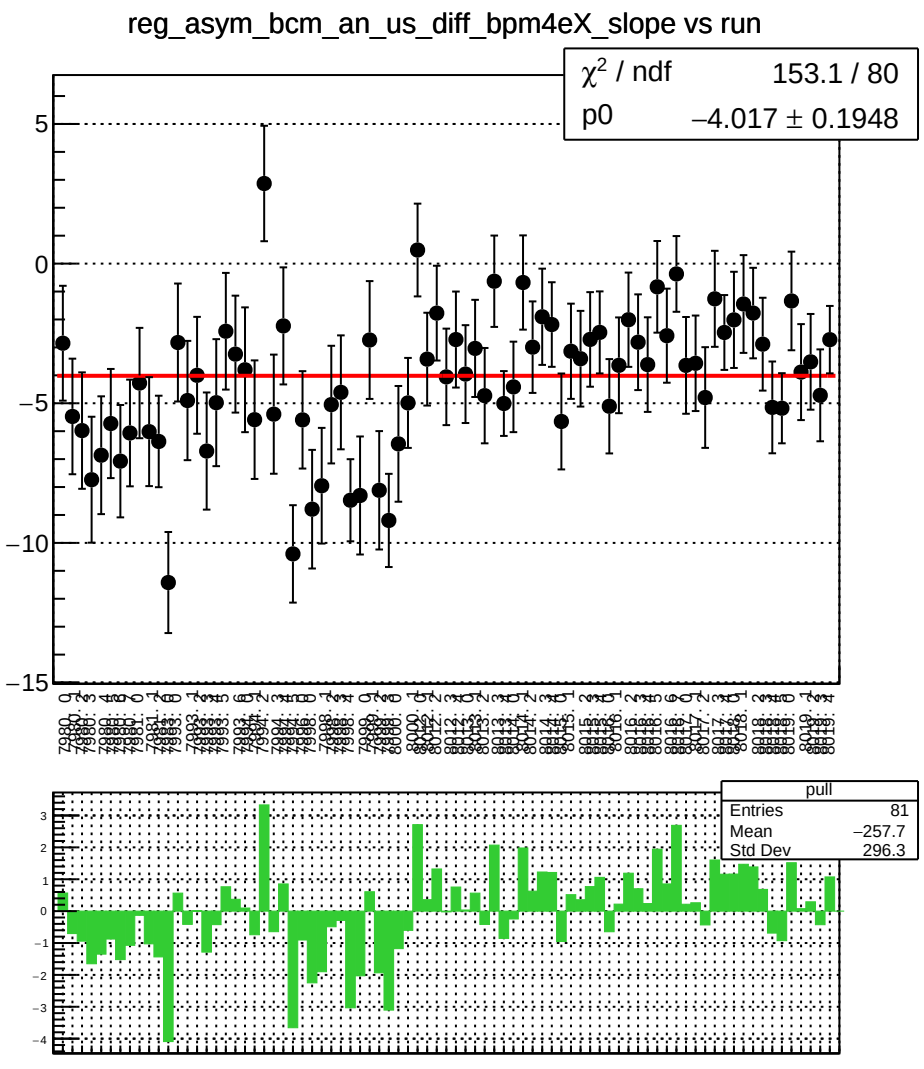

pull1D
Entries 81
Mean −0.02646
Std Dev 0.9595

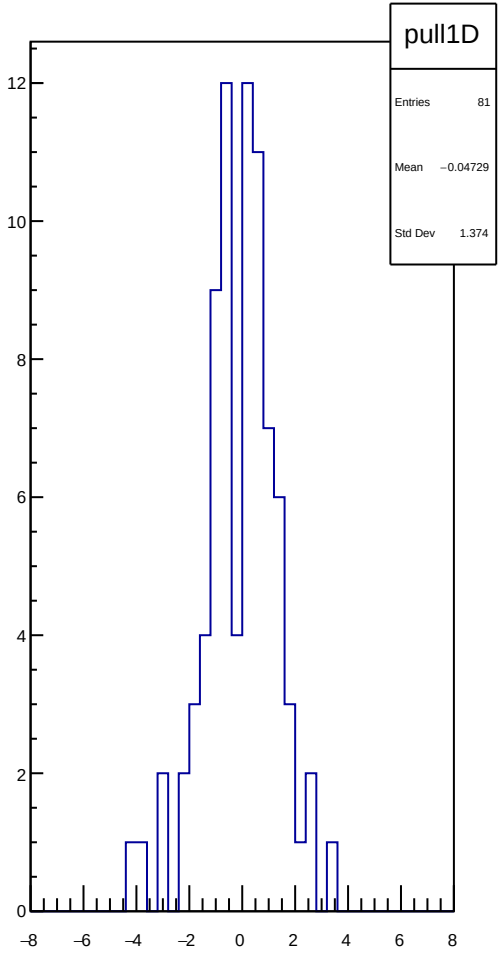

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 118.5 / 80
p0 0.2535 ± 0.01046
pull
Entries 81
Mean 86.89
Std Dev 30

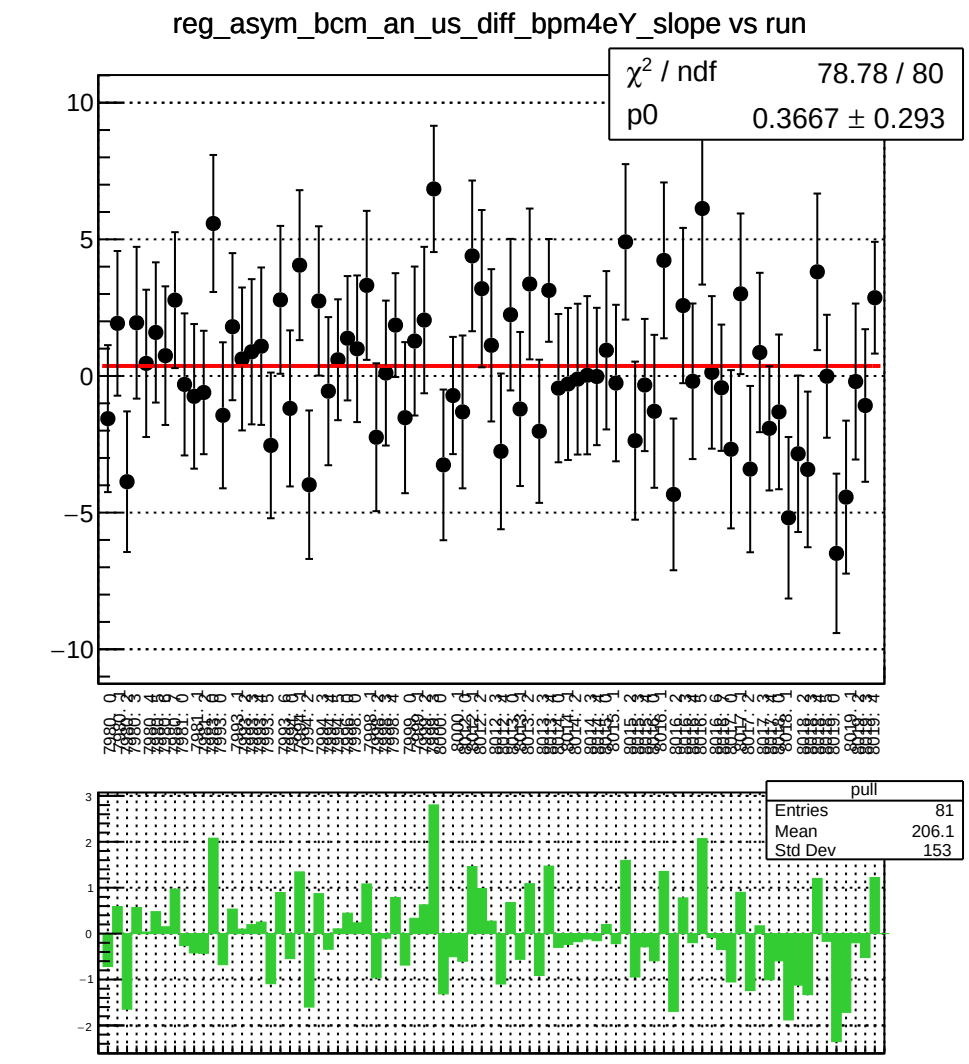

pull1D
Entries 81
Mean −0.122
Std Dev 1.203

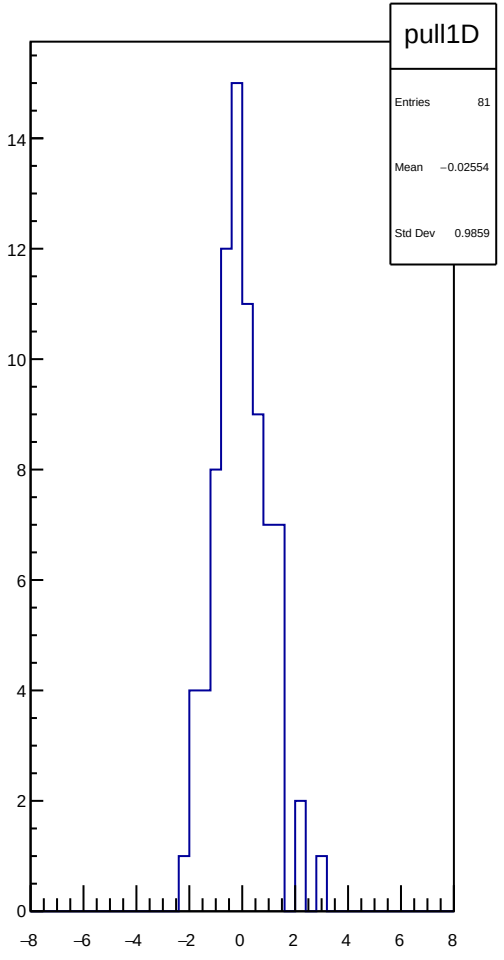

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 150.4 / 80
p0 4.421 ± 0.1929
pull
Entries 81
Mean −105.1
Std Dev 142.7
pull1D
Entries 81
Mean 0.09665
Std Dev 1.359

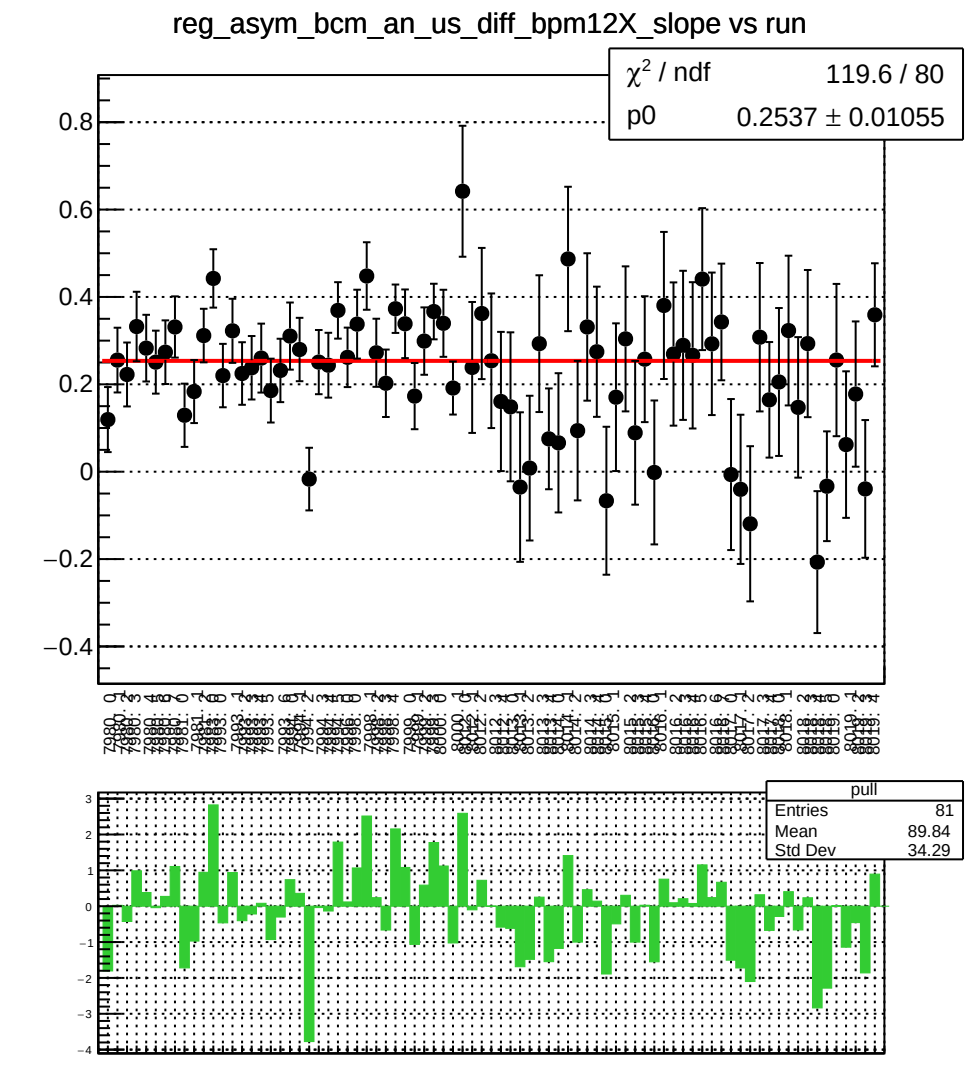

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 75.6 / 80
p0 −0.7938 ± 0.2676
pull
Entries 81
Mean 126.9
Std Dev 60.17
pull1D
Entries 81
Mean 0.02847
Std Dev 0.9657

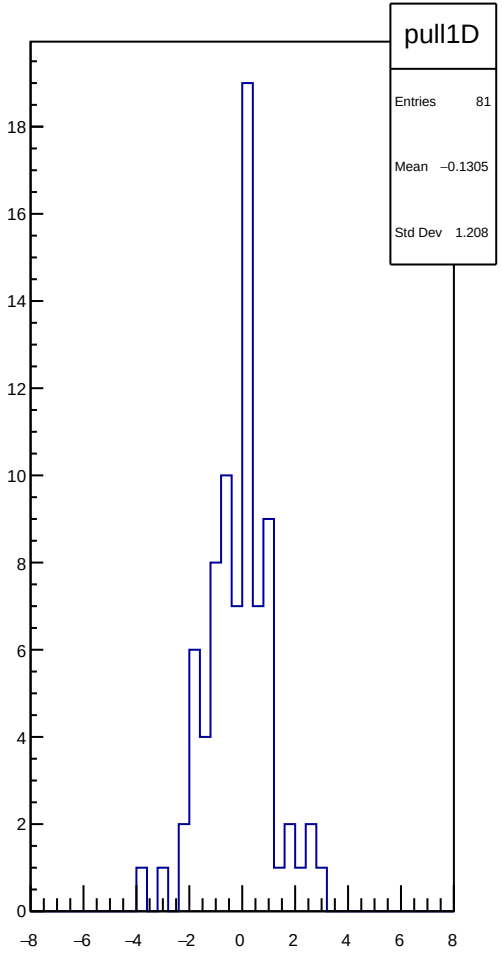

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 153.1 / 80
p0 −4.017 ± 0.1948
pull
Entries 81
Mean −257.7
Std Dev 296.3

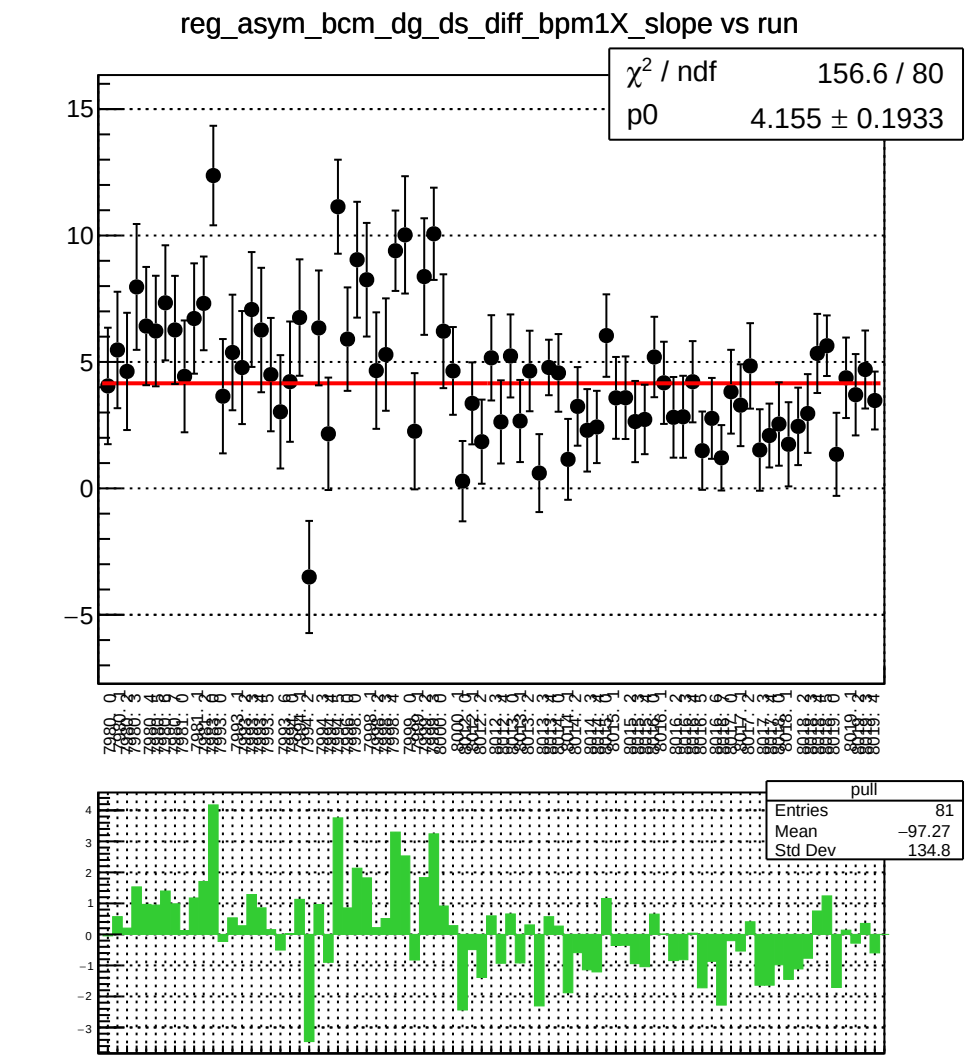

pull1D
Entries 81
Mean −0.04729
Std Dev 1.374

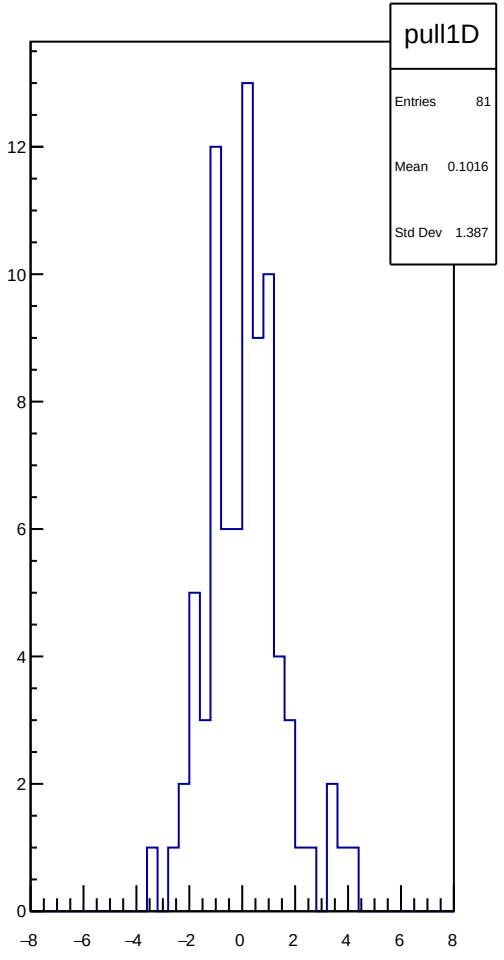

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 78.78 / 80
p0 0.3667 ± 0.293
pull
Entries 81
Mean 206.1
Std Dev 153

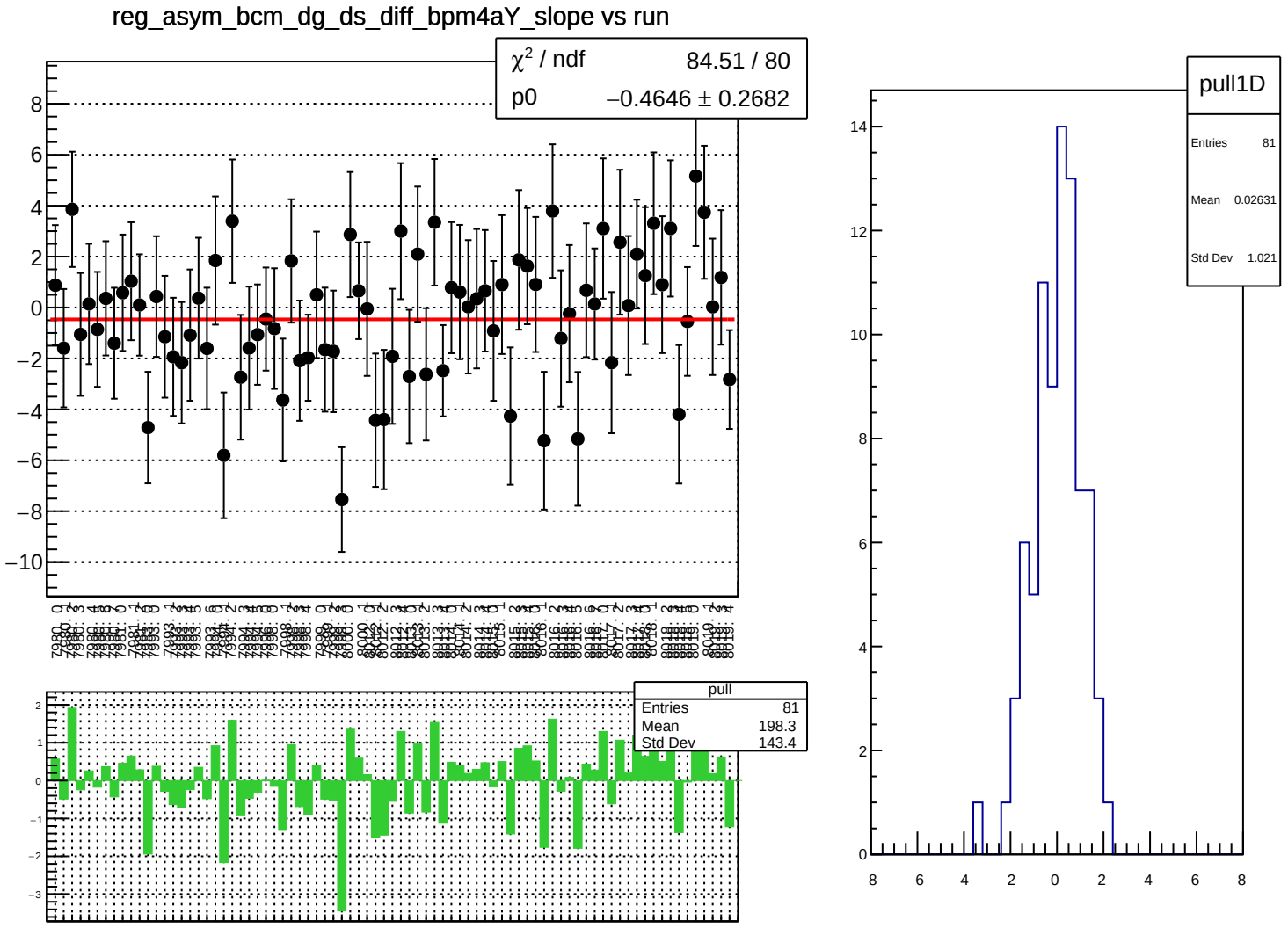

pull1D
Entries 81
Mean −0.02554
Std Dev 0.9859

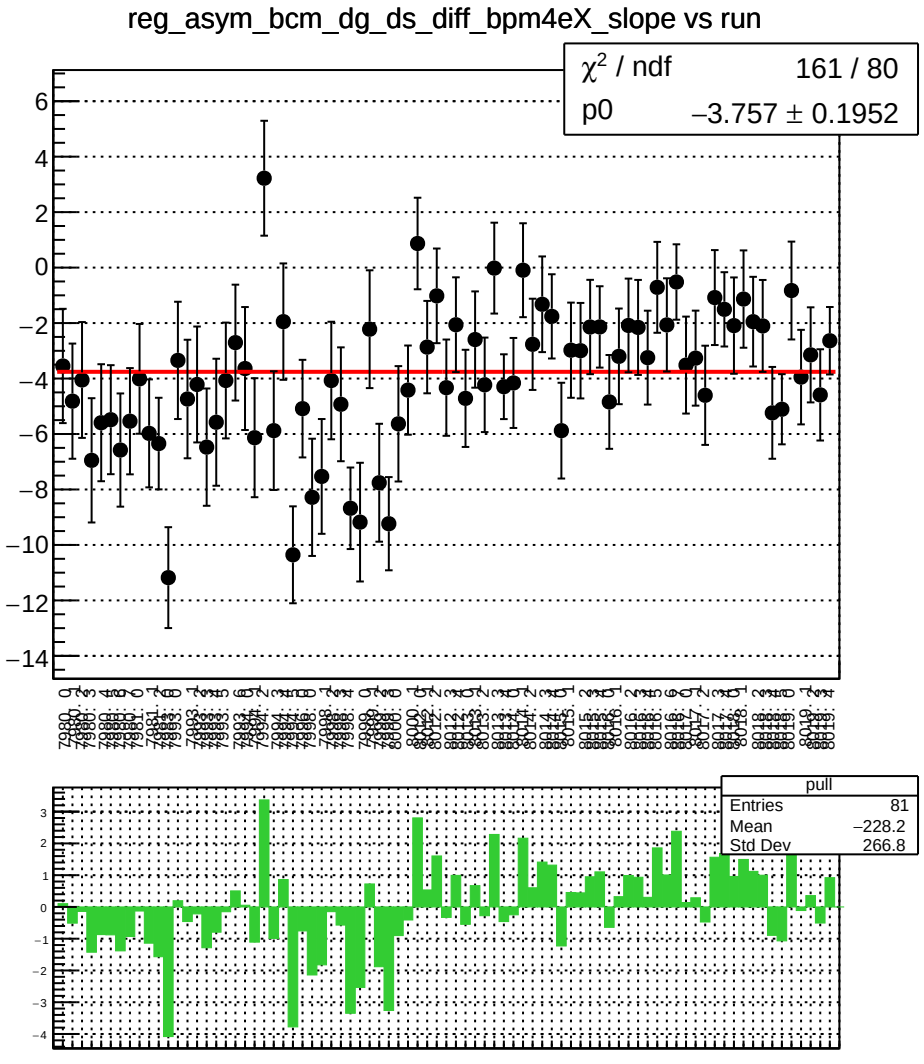

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 119.6 / 80
p0 0.2537 ± 0.01055
pull
Entries 81
Mean 89.84
Std Dev 34.29

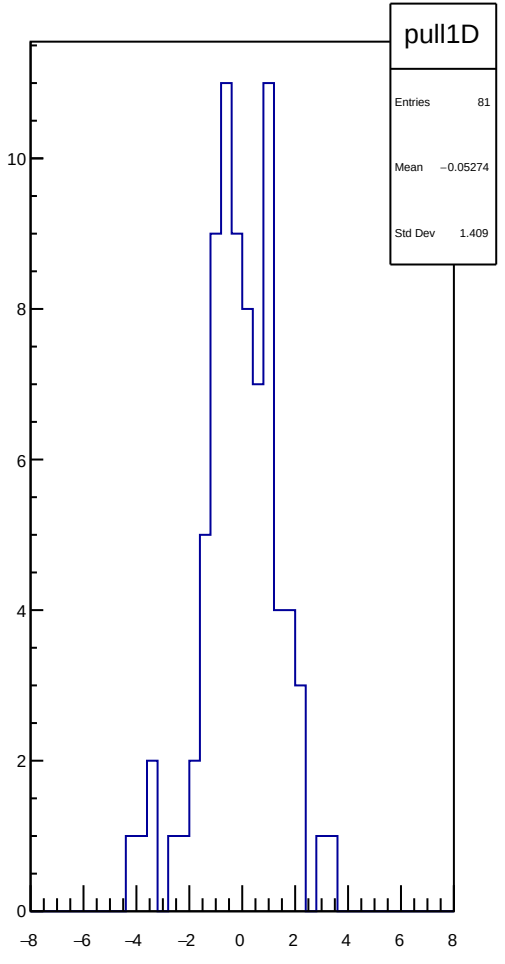

pull1D
Entries 81
Mean −0.1305
Std Dev 1.208

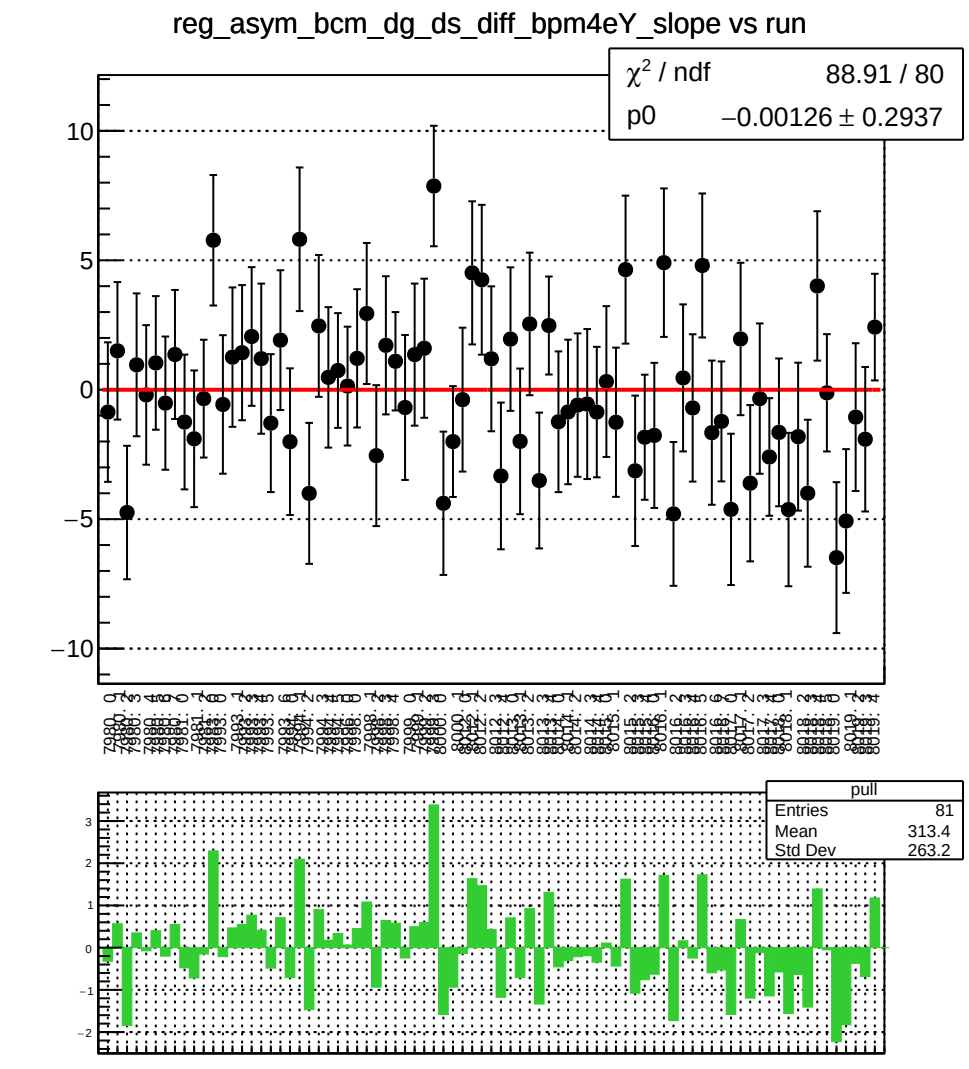

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 156.6 / 80
p0 4.155 ± 0.1933
pull
Entries 81
Mean −97.27
Std Dev 134.8

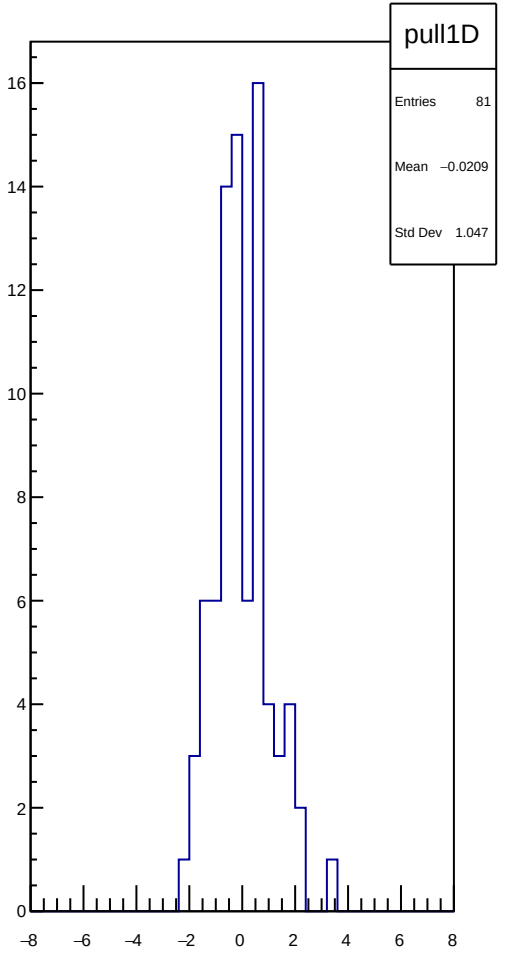

pull1D
Entries 81
Mean 0.1016
Std Dev 1.387

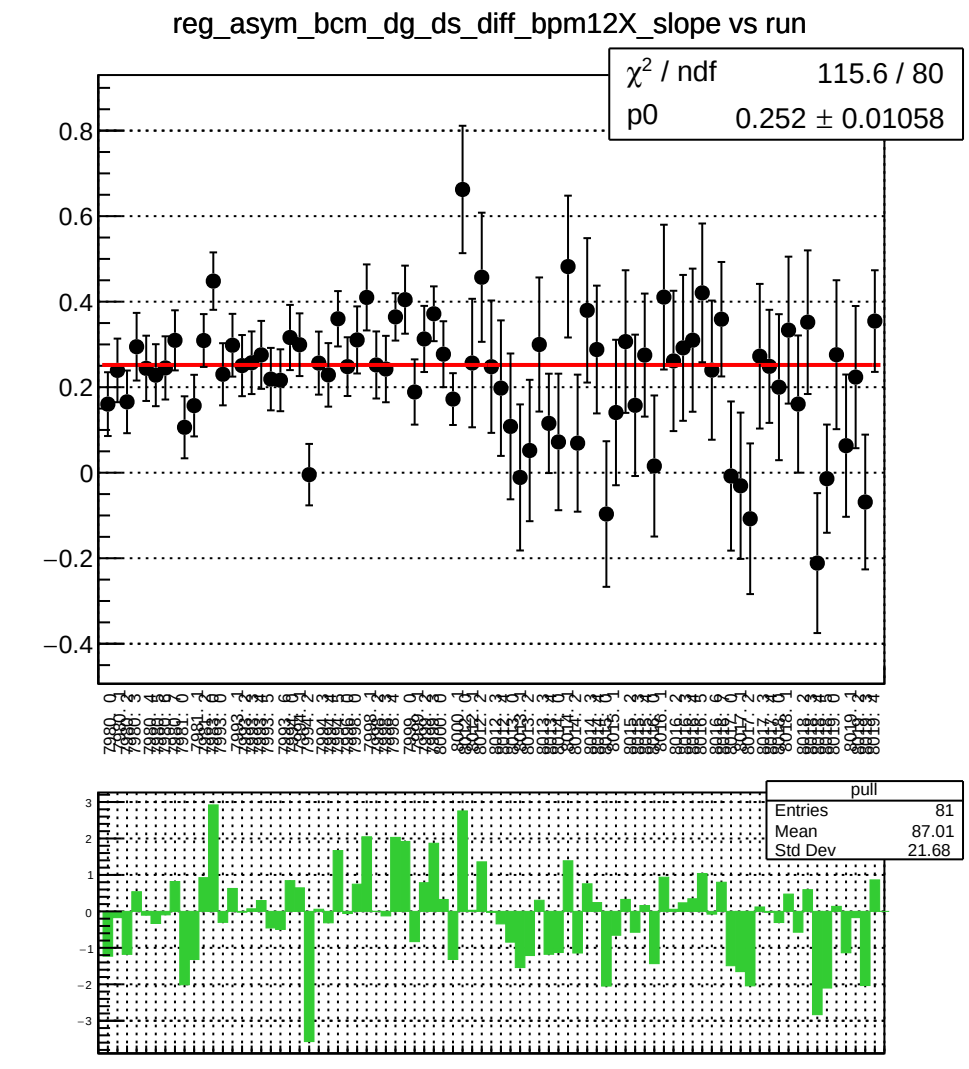

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 84.51 / 80
p0 −0.4646 ± 0.2682
pull
Entries 81
Mean 198.3
Std Dev 143.4
pull1D
Entries 81
Mean 0.02631
Std Dev 1.021

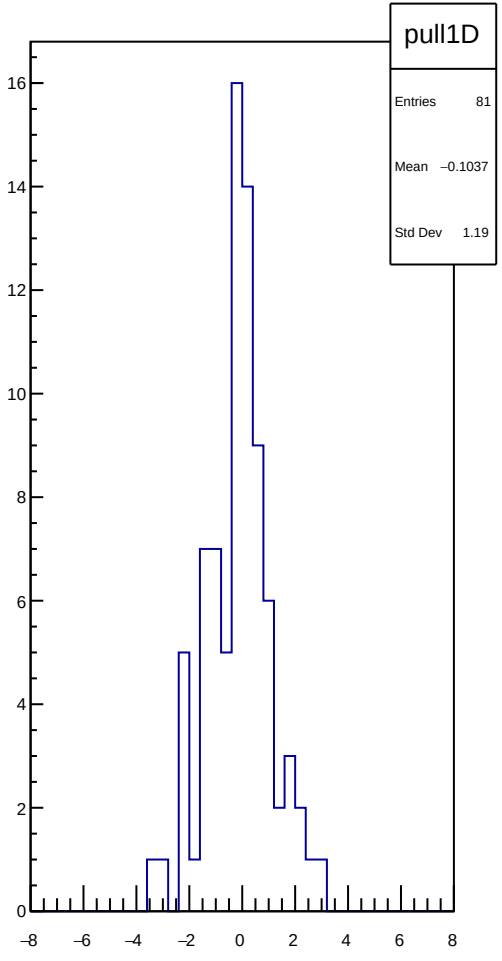

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 161 / 80
p0 −3.757 ± 0.1952
pull
Entries 81
Mean −228.2
Std Dev 266.8

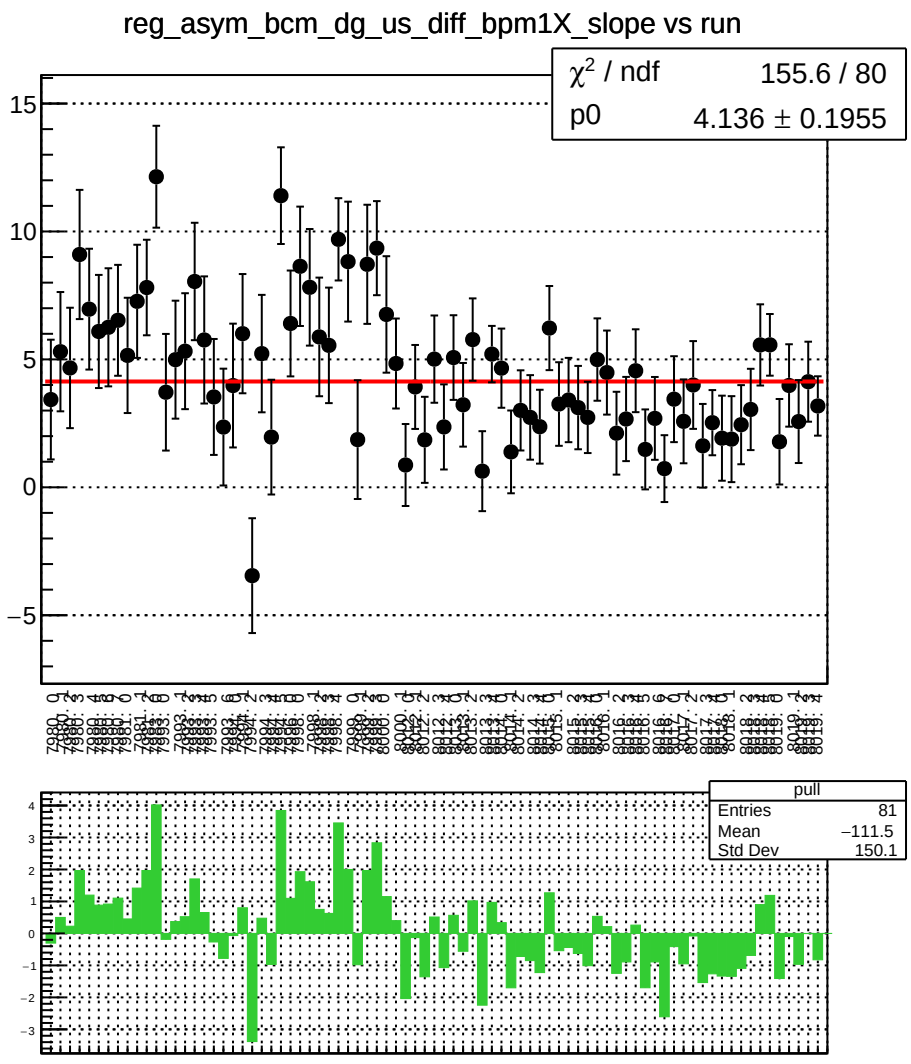

pull1D
Entries 81
Mean −0.05274
Std Dev 1.409

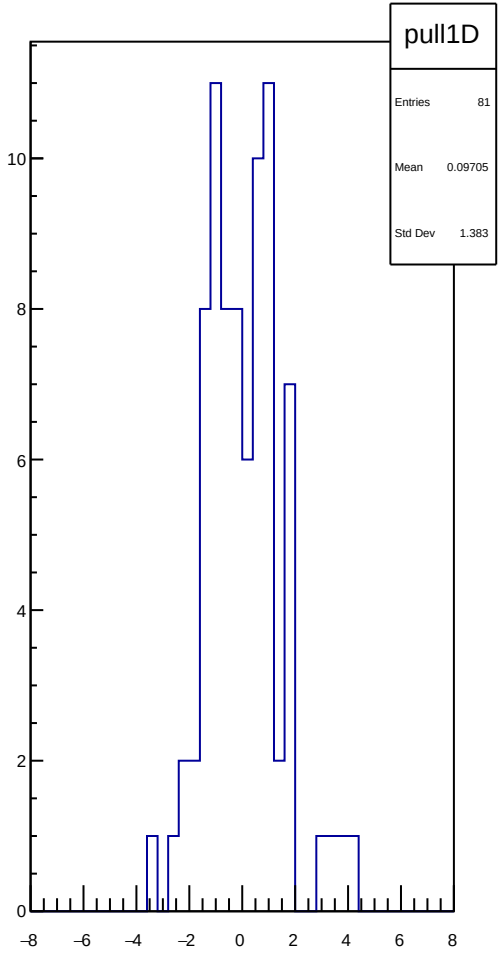

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 88.91 / 80
p0 −0.00126 ± 0.2937
pull
Entries 81
Mean 313.4
Std Dev 263.2

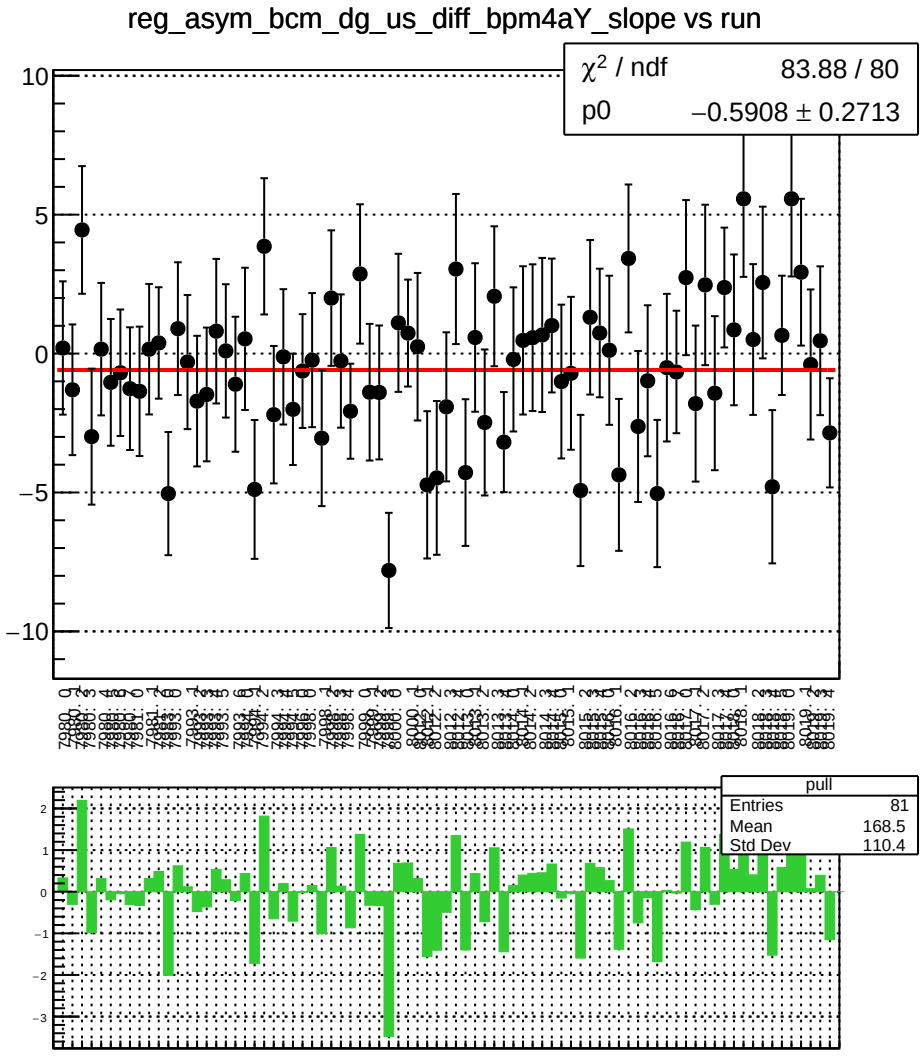

pull1D
Entries 81
Mean −0.0209
Std Dev 1.047

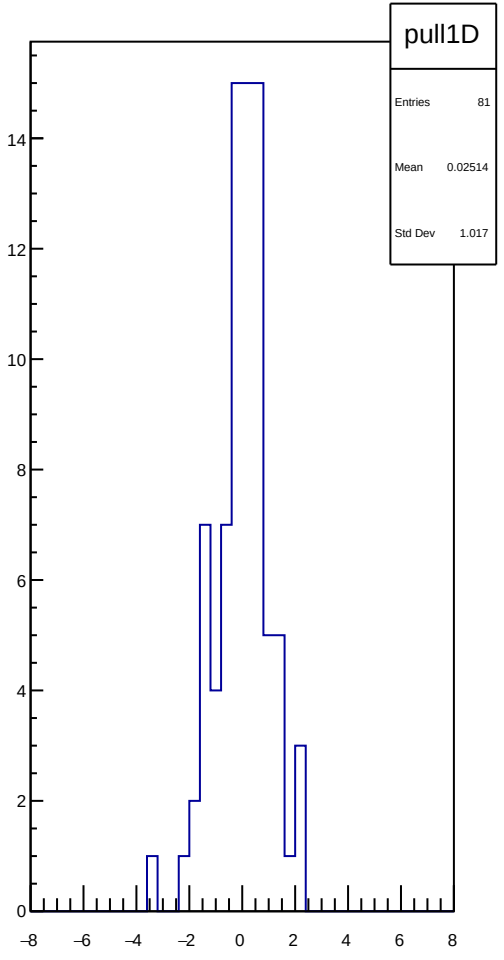

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 115.6 / 80
p0 0.252 ± 0.01058
pull
Entries 81
Mean 87.01
Std Dev 21.68

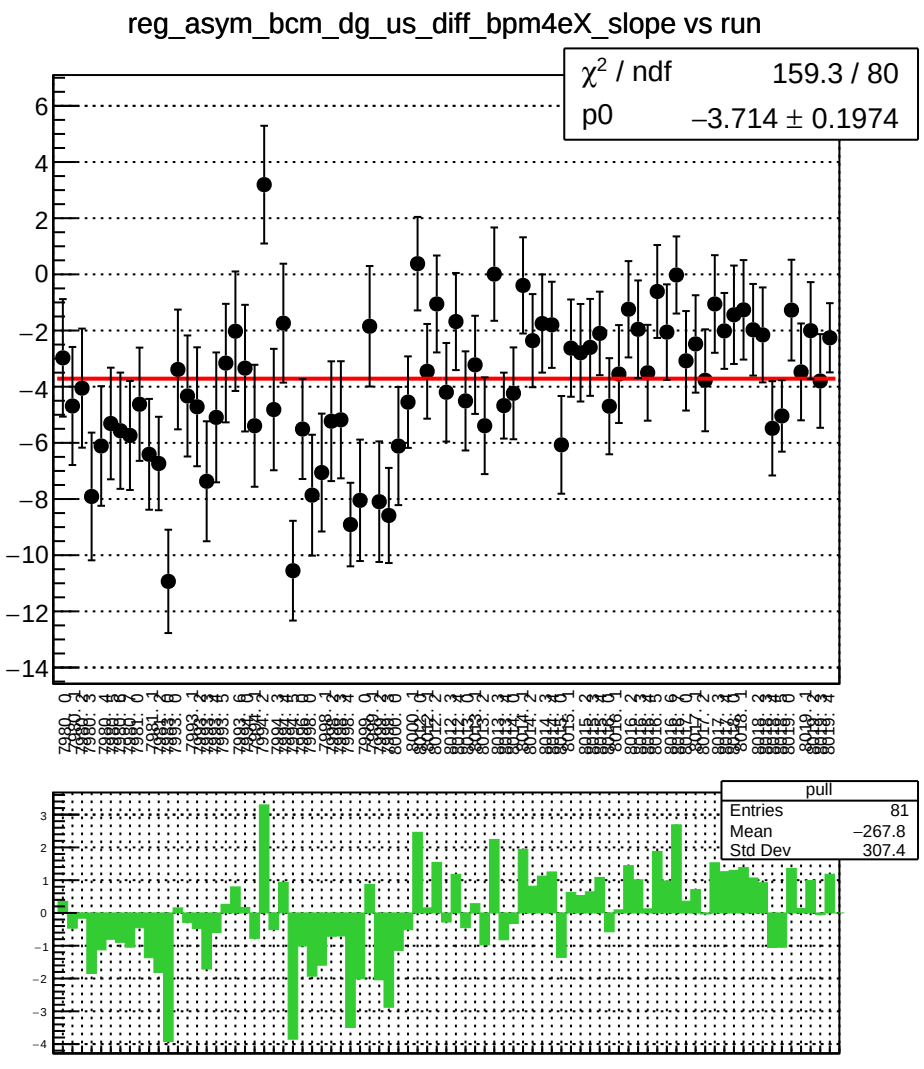

pull1D
Entries 81
Mean −0.1037
Std Dev 1.19

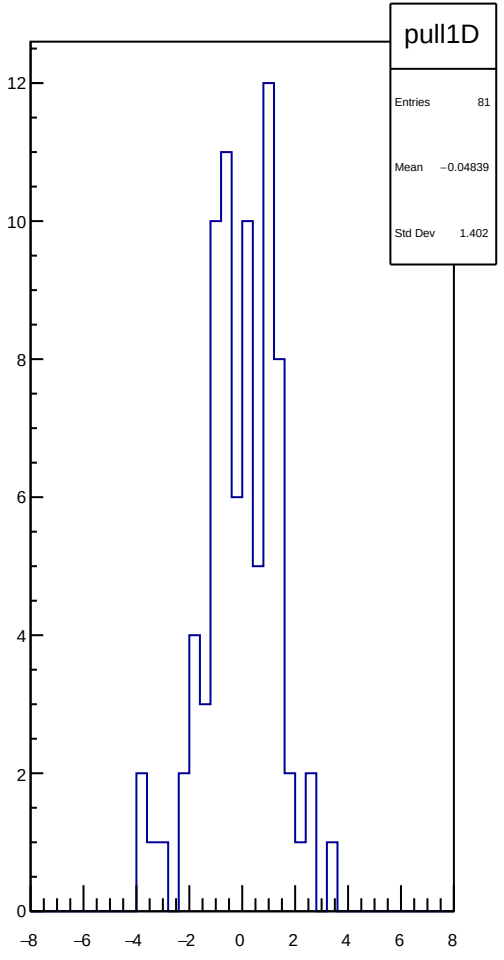

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 155.6 / 80
p0 4.136 ± 0.1955
pull
Entries 81
Mean −111.5
Std Dev 150.1

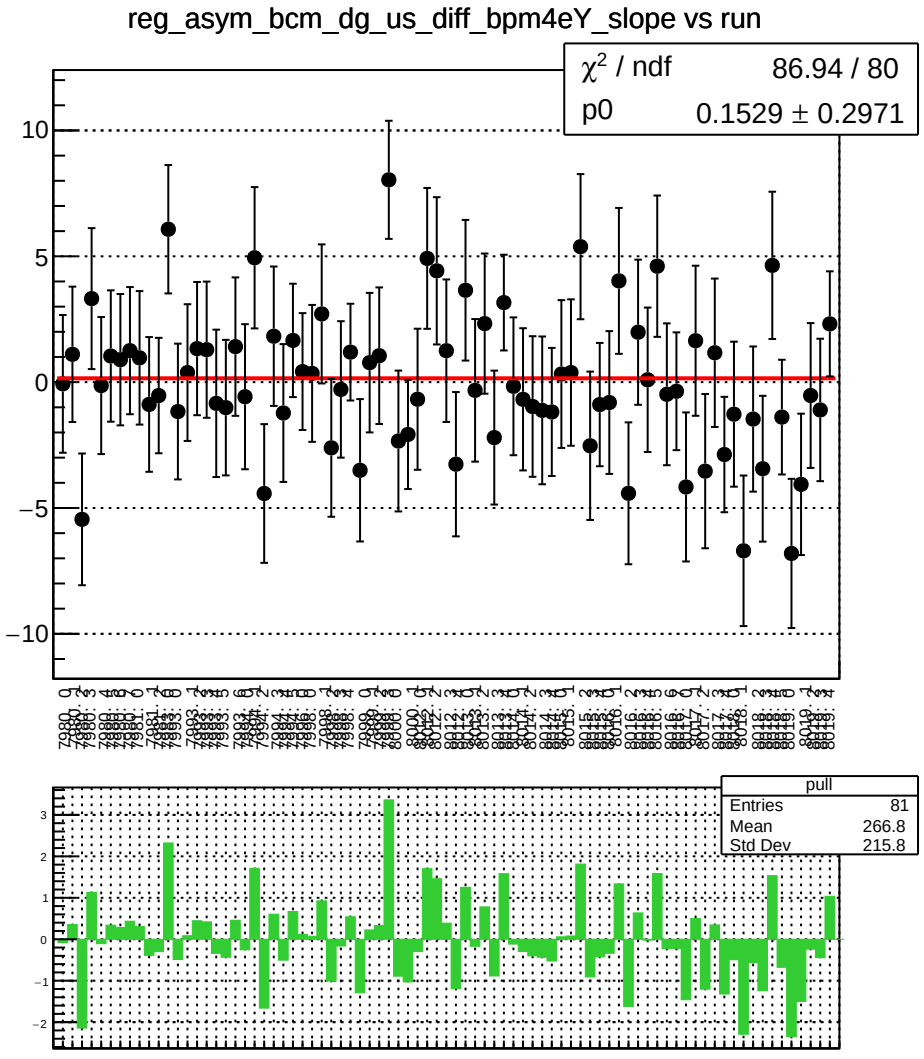

pull1D
Entries 81
Mean 0.09705
Std Dev 1.383

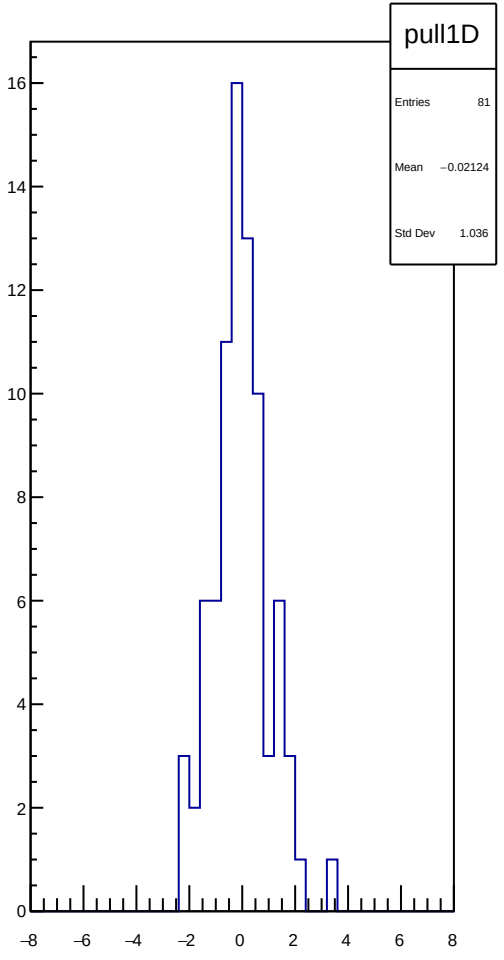

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 83.88 / 80
p0 −0.5908 ± 0.2713
pull
Entries 81
Mean 168.5
Std Dev 110.4

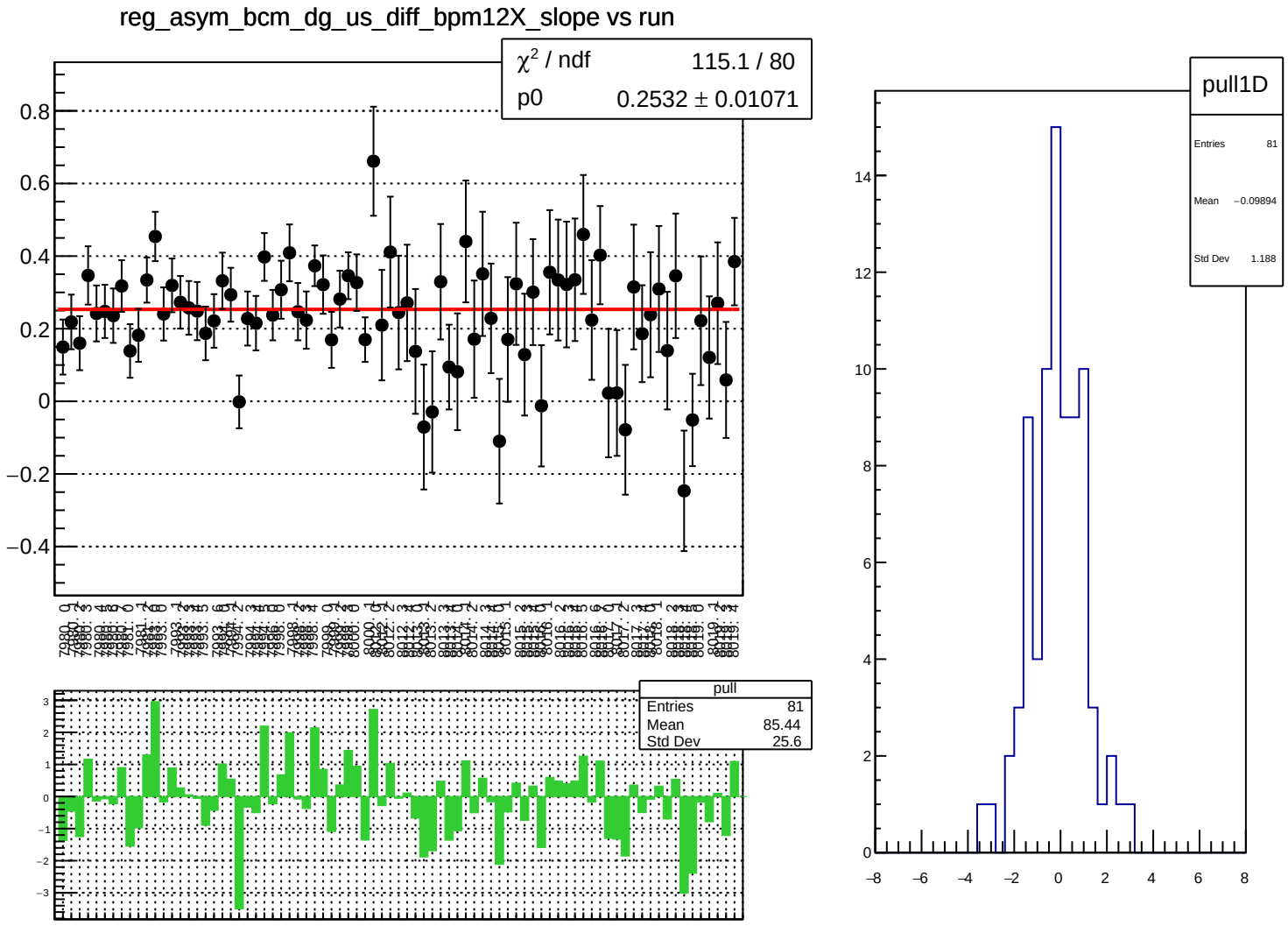

pull1D
Entries 81
Mean 0.02514
Std Dev 1.017


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 159.3 / 80
p0 −3.714 ± 0.1974
pull
Entries 81
Mean −267.8
Std Dev 307.4


pull1D
Entries 81
Mean −0.04839
Std Dev 1.402


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 86.94 / 80
p0 0.1529 ± 0.2971
pull
Entries 81
Mean 266.8
Std Dev 215.8


pull1D
Entries 81
Mean −0.02124
Std Dev 1.036


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 115.1 / 80
p0 0.2532 ± 0.01071
pull
Entries 81
Mean 85.44
Std Dev 25.6
pull1D
Entries 81
Mean −0.09894
Std Dev 1.188