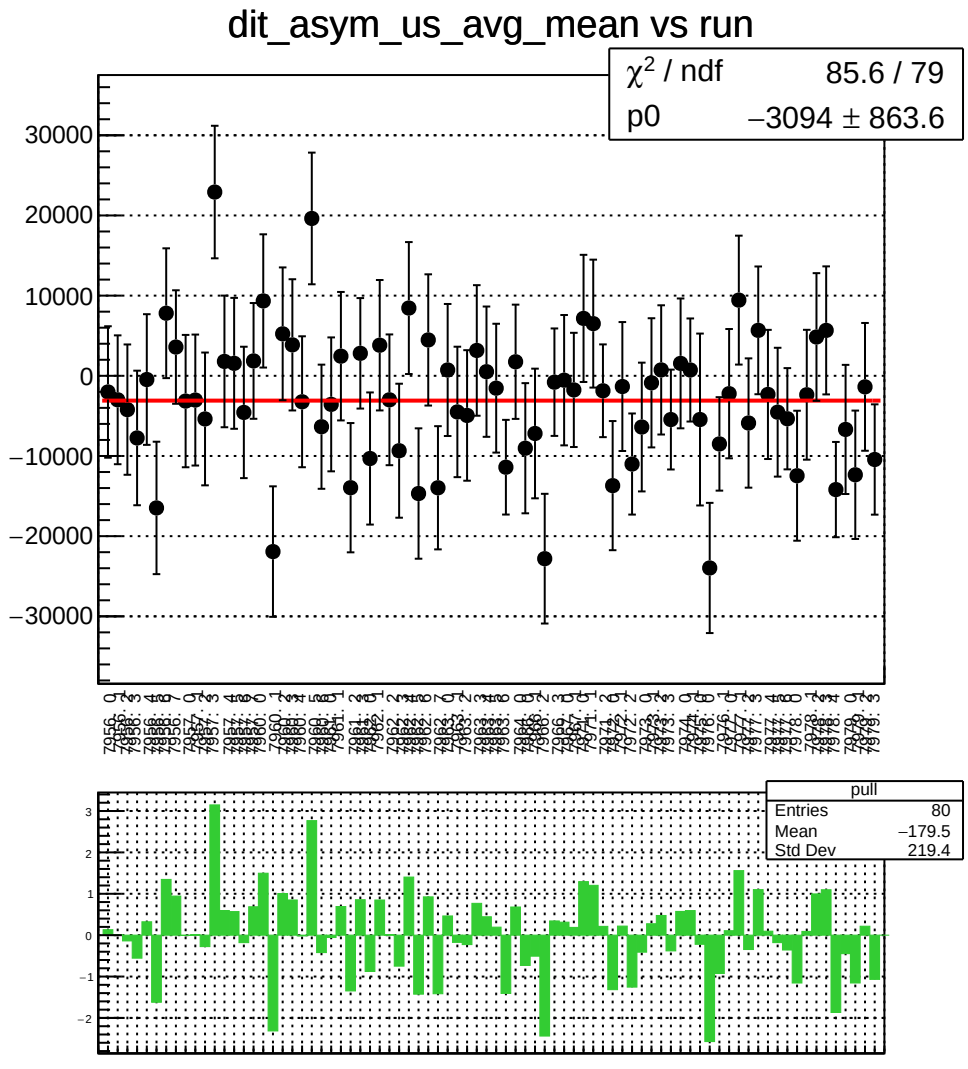
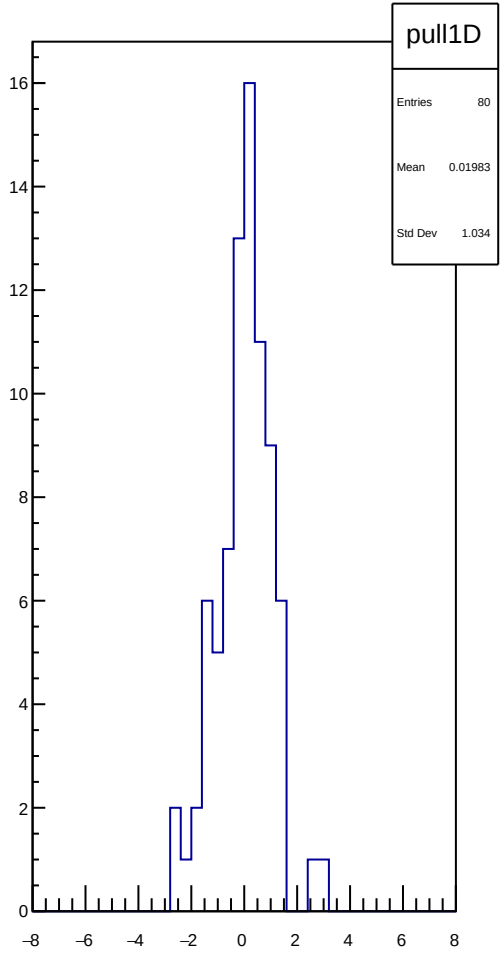
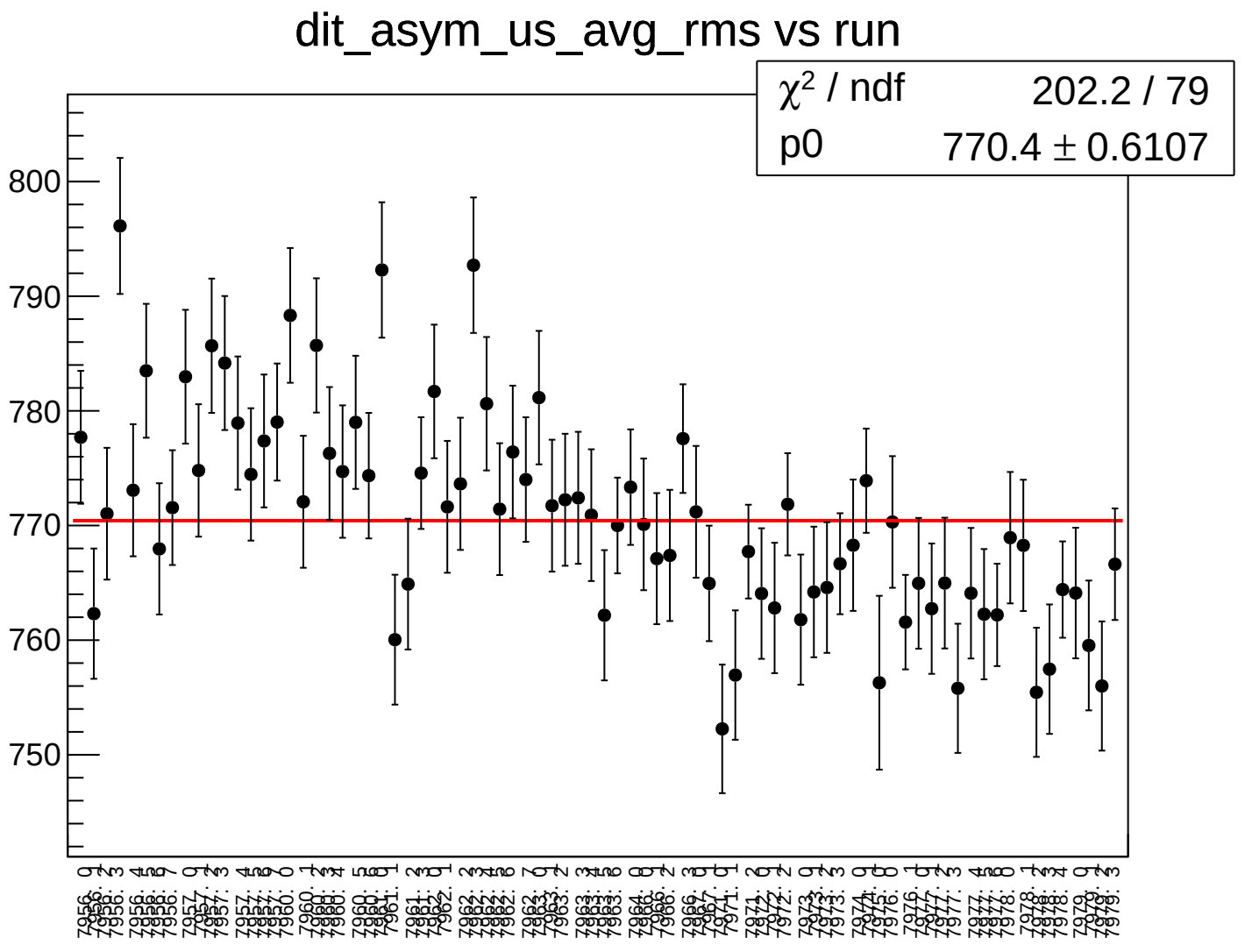
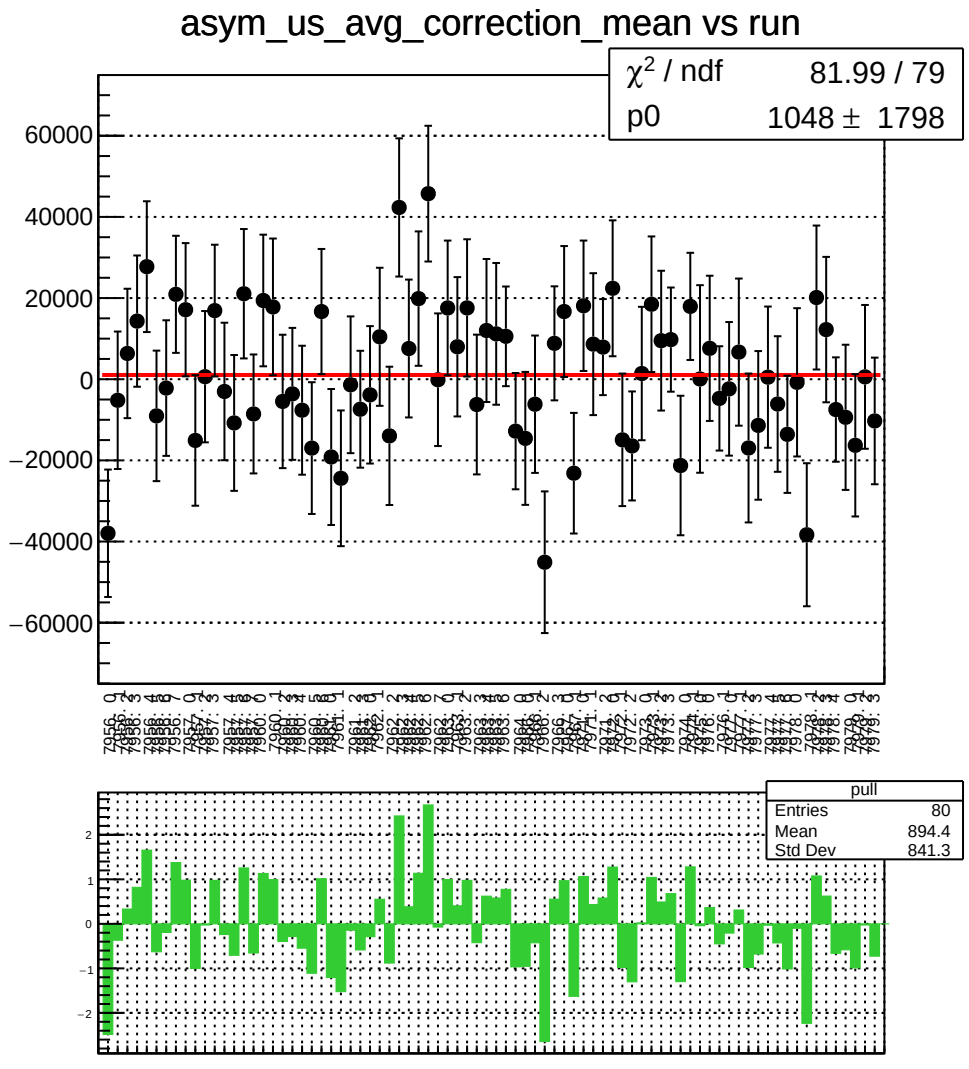
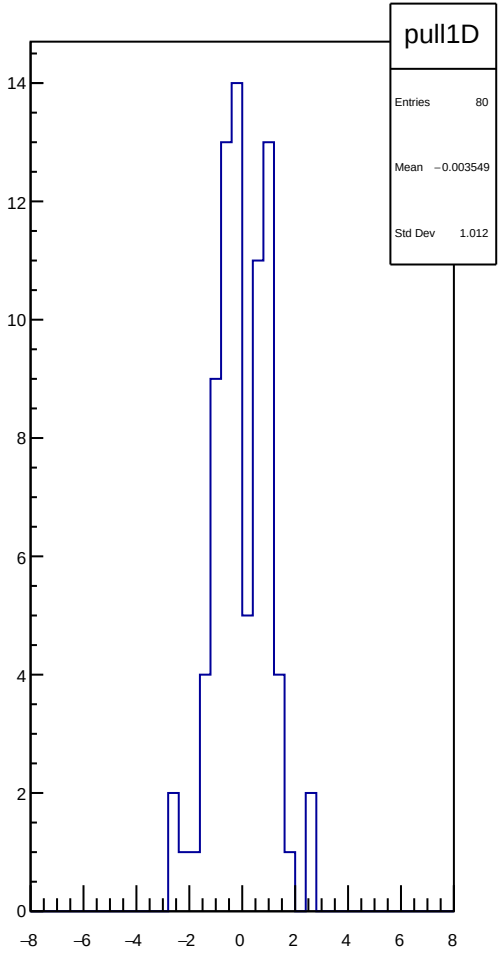

dit_asym_us_avg_mean vs run
χ² / ndf 85.6 / 79
p0 −3094 ± 863.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −179.5
Std Dev 219.4
3
2
1
0
−1
−2

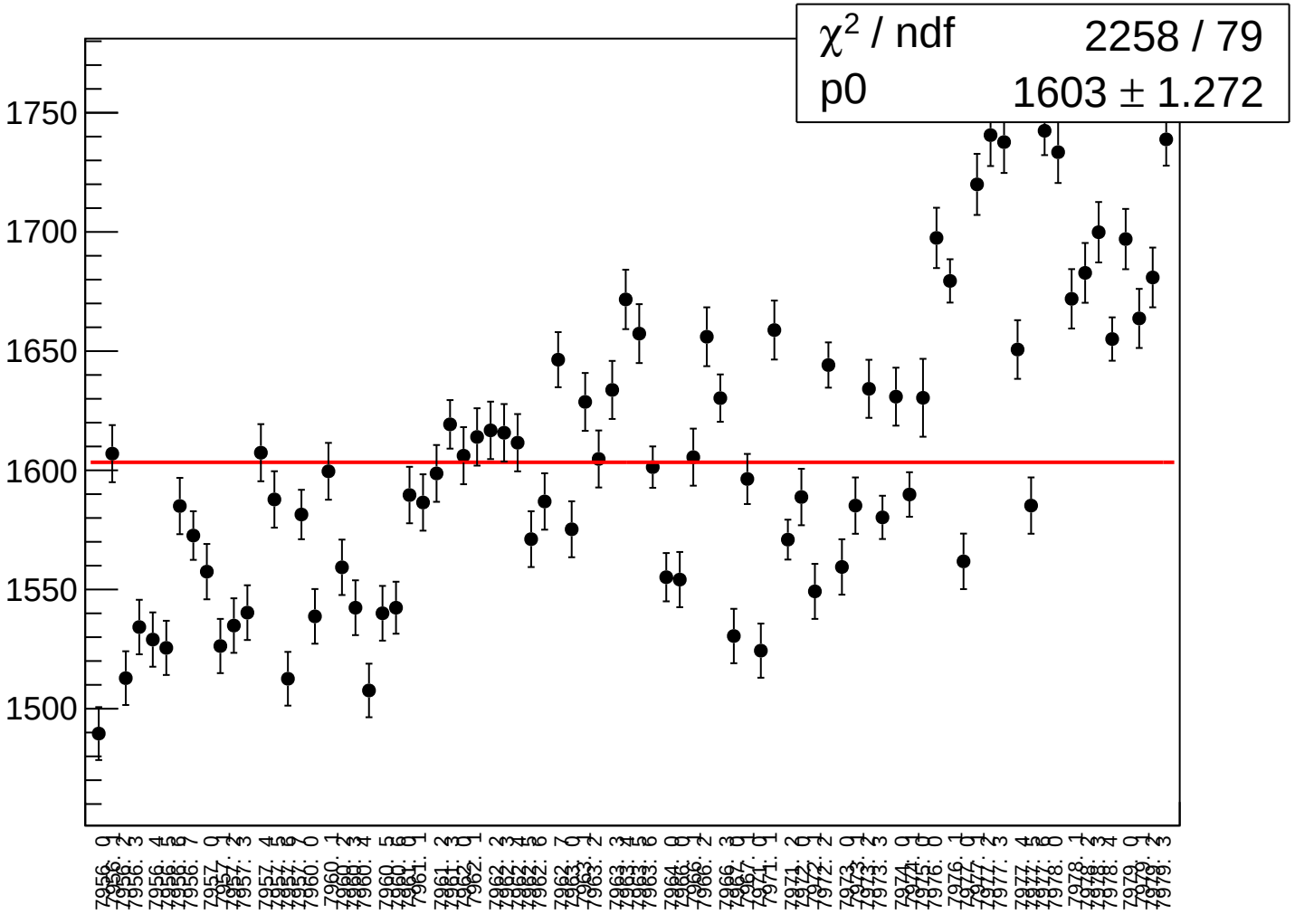

pull1D
Entries 80
Mean 0.01983
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

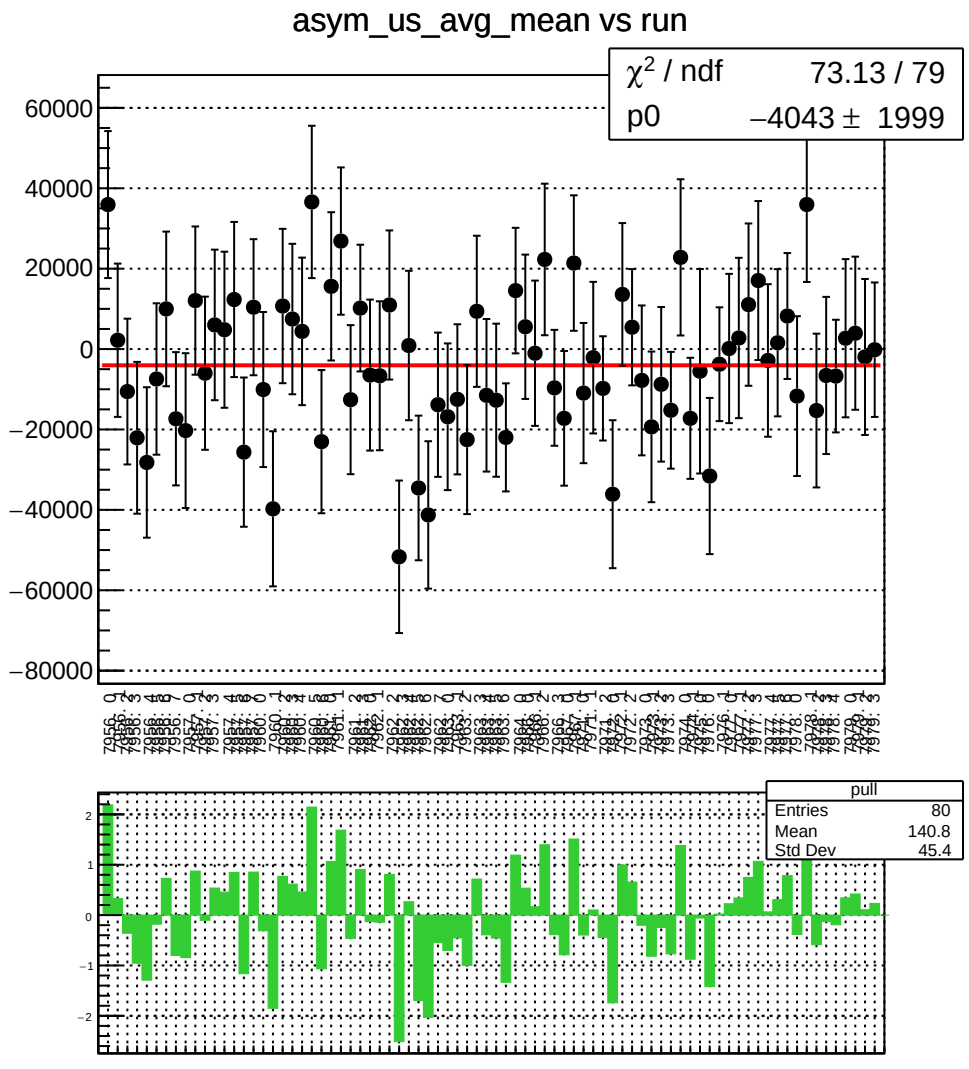

dit_asym_us_avg_rms vs run
χ² / ndf 202.2 / 79
p0 770.4 ± 0.6107
800
790
780
770
760
750

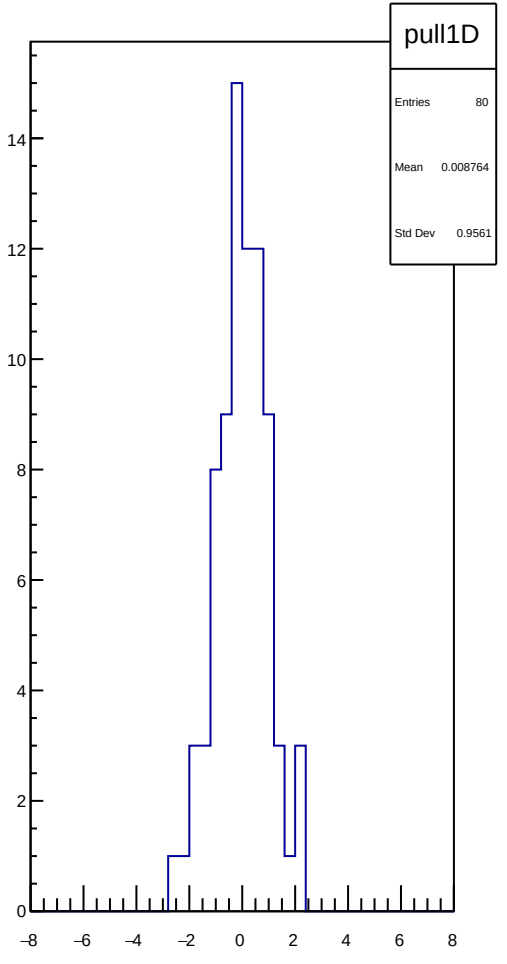

asym_us_avg_correction_mean vs run
χ² / ndf 81.99 / 79
p0 1048 ± 1798
pull
Entries 80
Mean 894.4
Std Dev 841.3

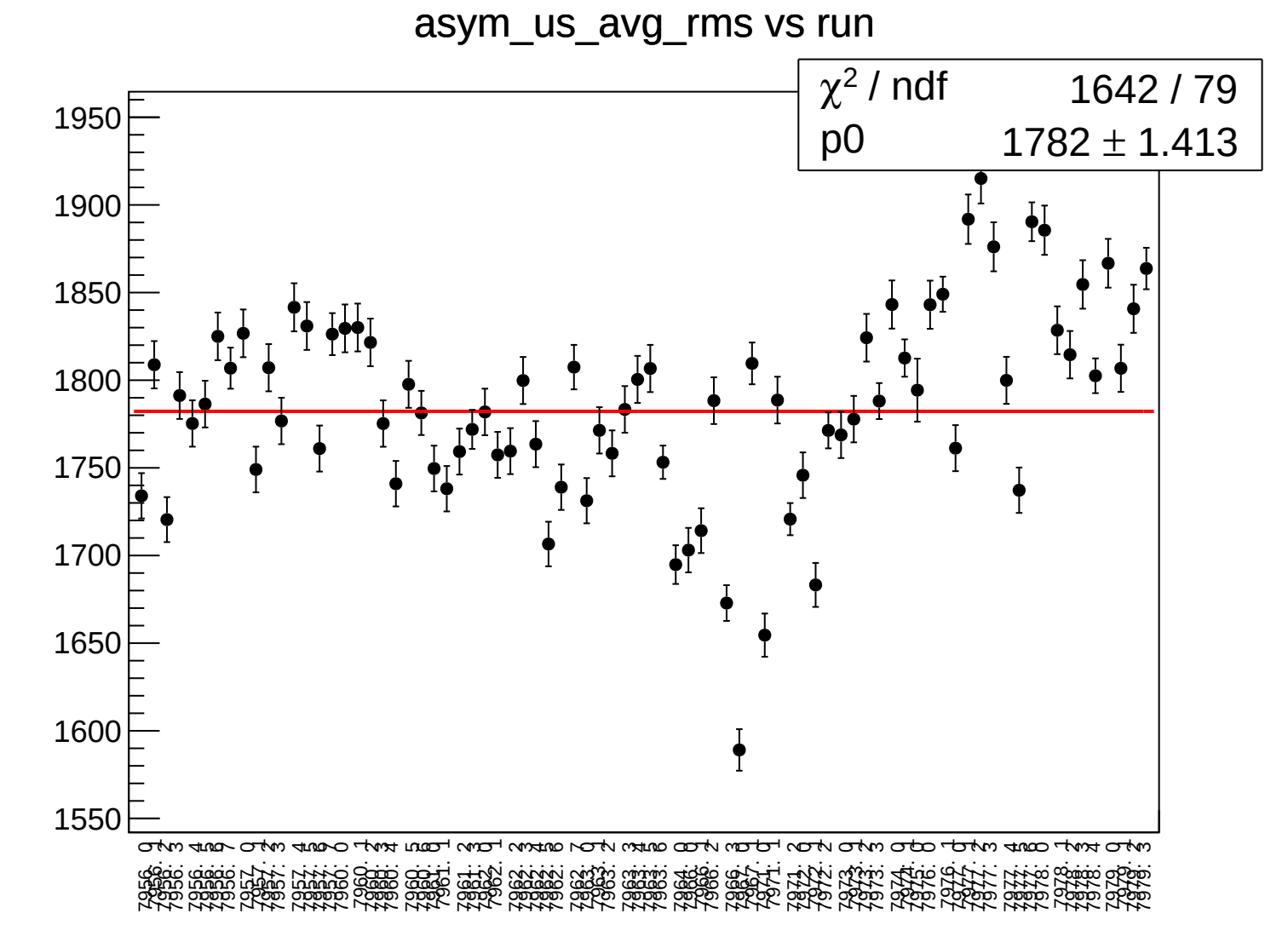

pull1D
Entries 80
Mean −0.003549
Std Dev 1.012

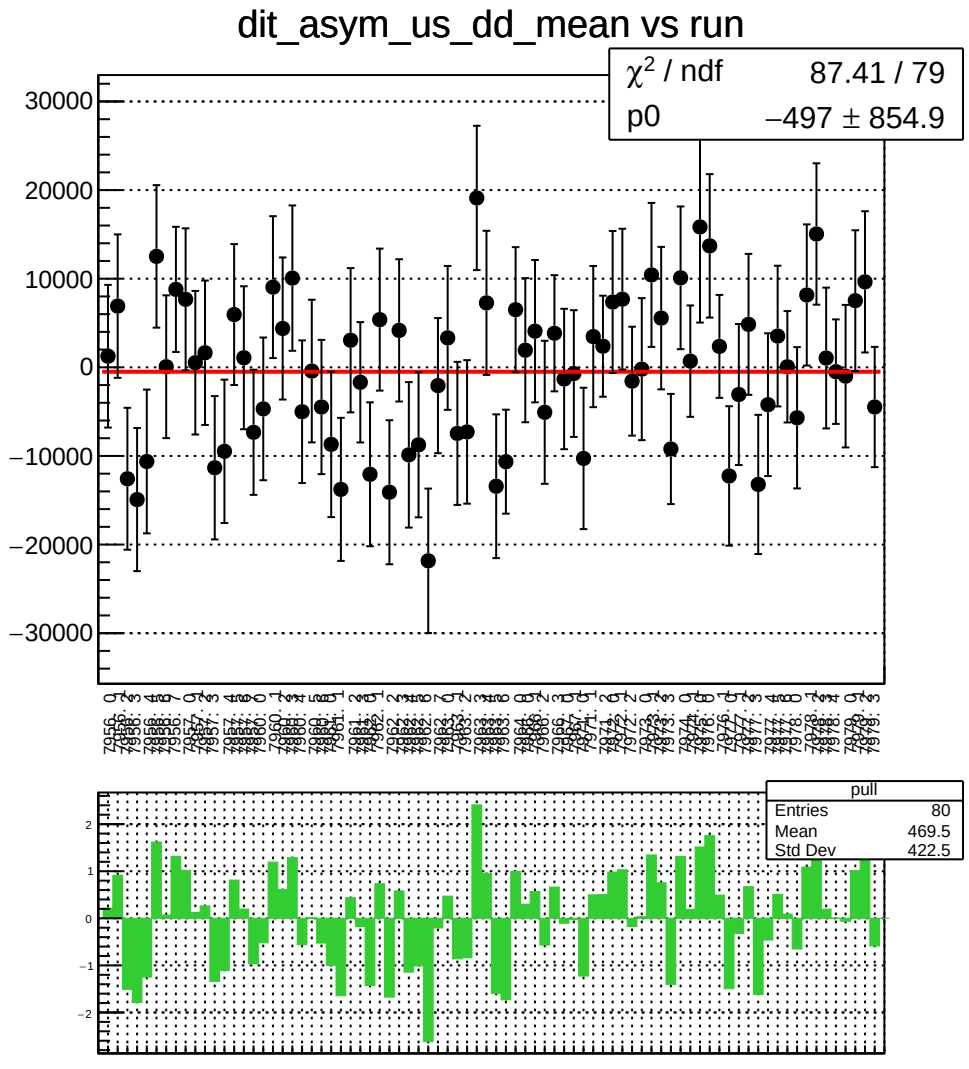
asym_us_avg_correction_rms vs run

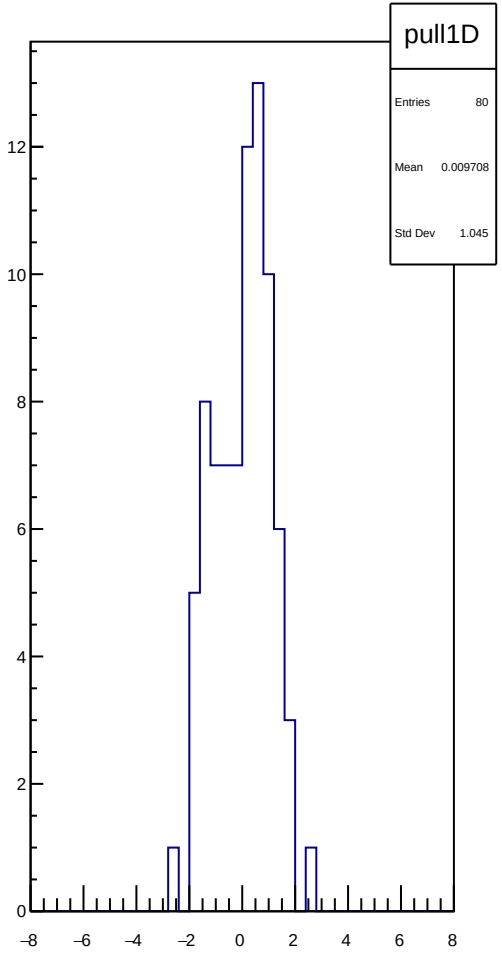


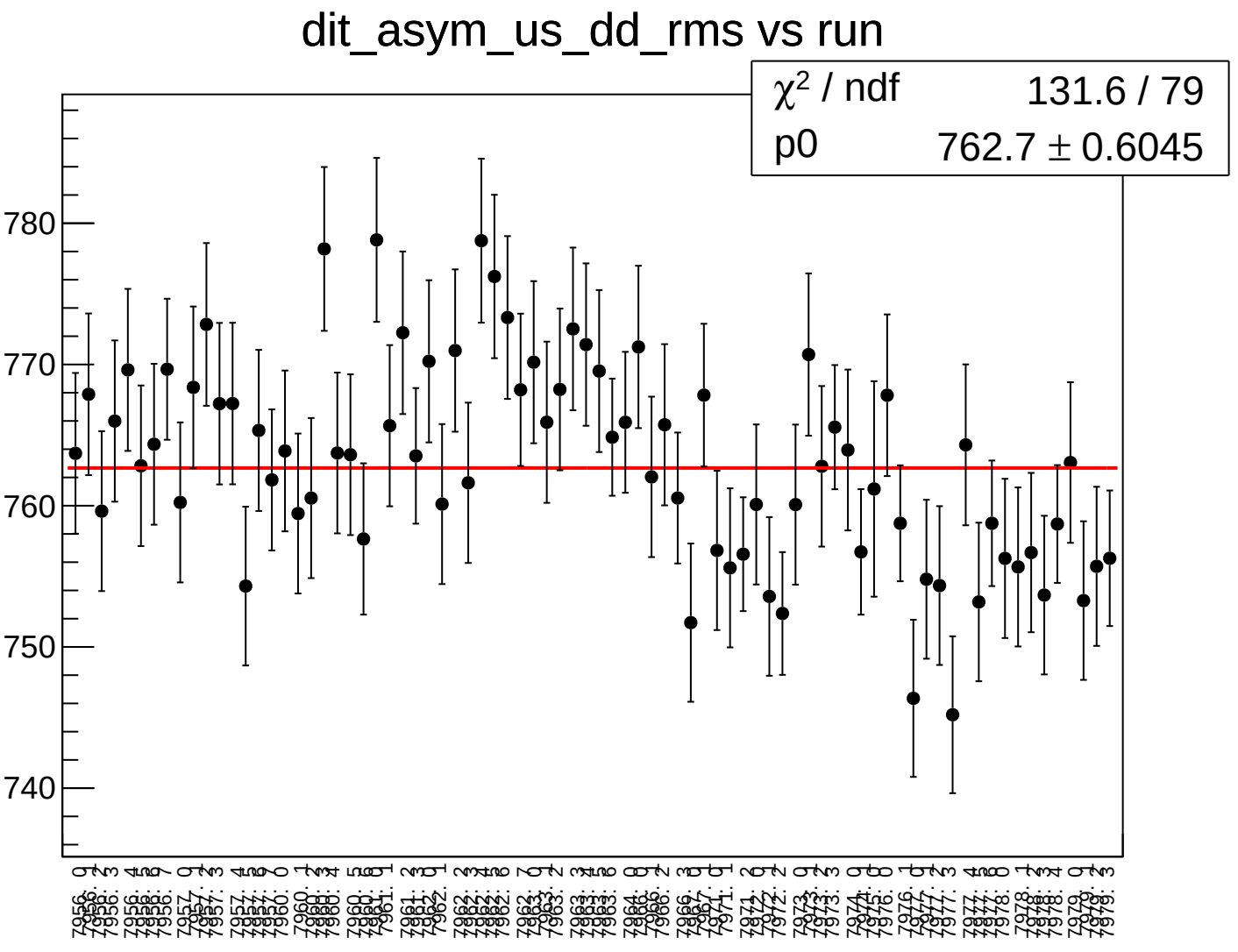

asym_us_avg_mean vs run
χ² / ndf 73.13 / 79
p0 −4043 ± 1999
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 140.8
Std Dev 45.4
2
1
0
−1
−2

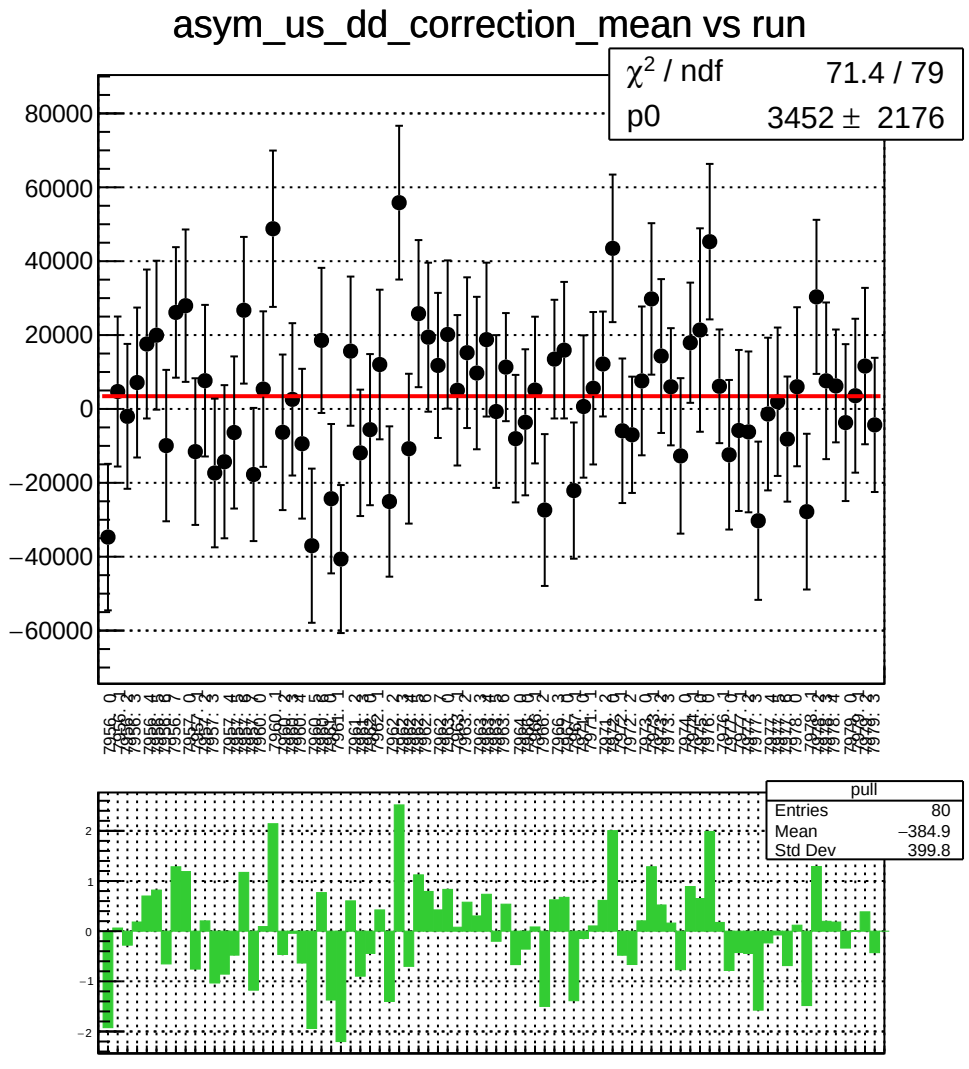

pull1D
Entries 80
Mean 0.008764
Std Dev 0.9561
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

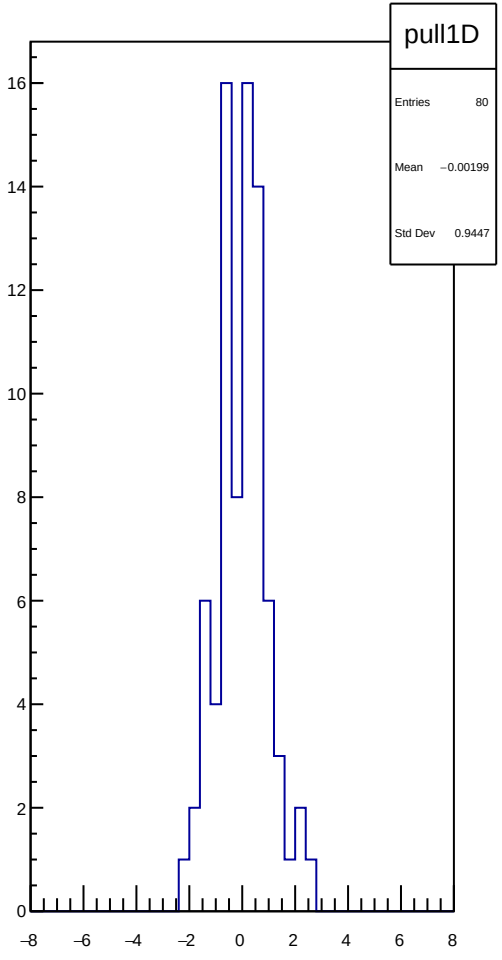

asym_us_avg_rms vs run
χ² / ndf 1642 / 79
p0 1782 ± 1.413
1950
1900
1850
1800
1750
1700
1650
1600
1550

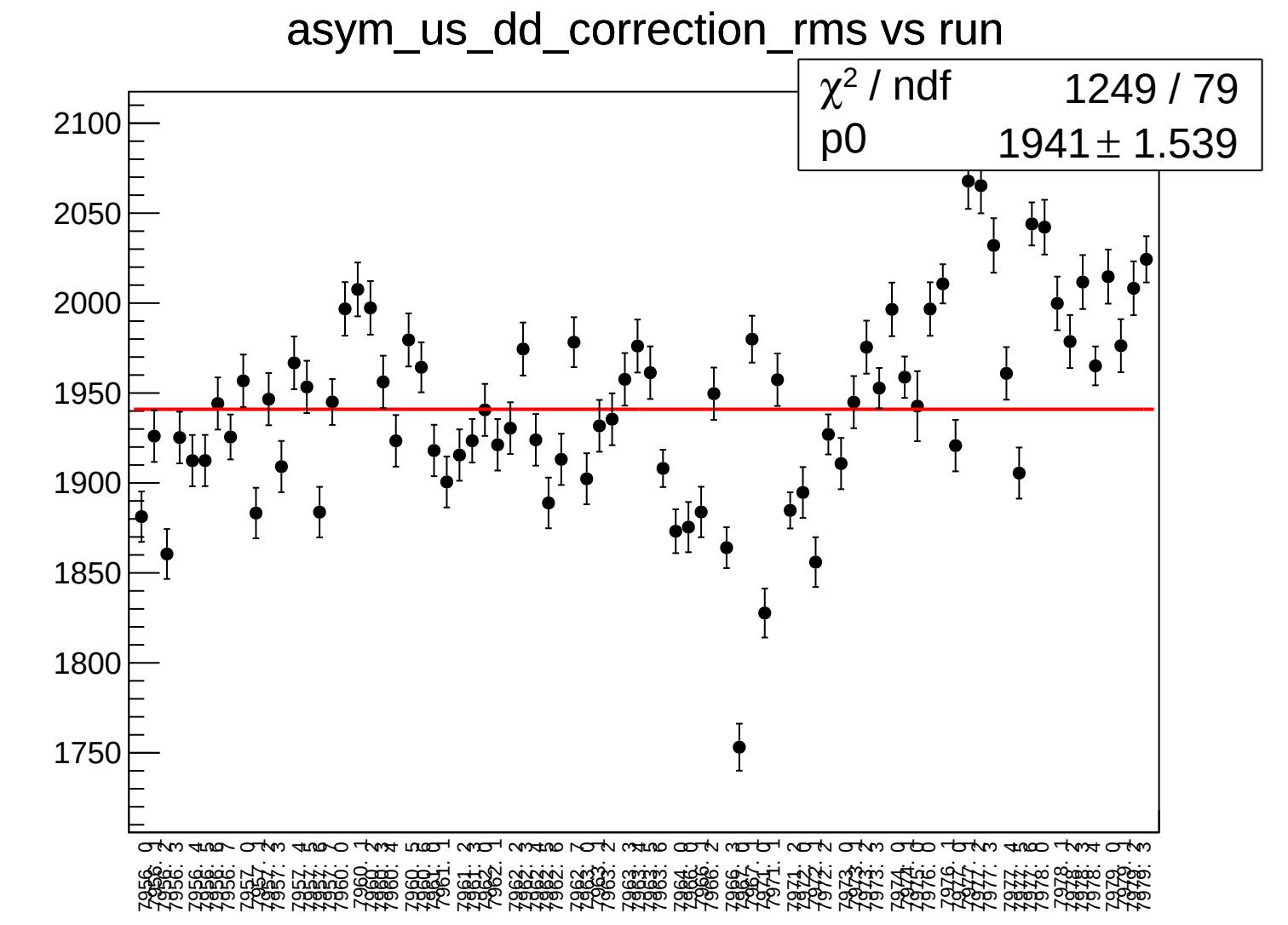

dit_asym_us_dd_mean vs run
χ² / ndf 87.41 / 79
p0 −497 ± 854.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 469.5
Std Dev 422.5
2
1
0
−1
−2

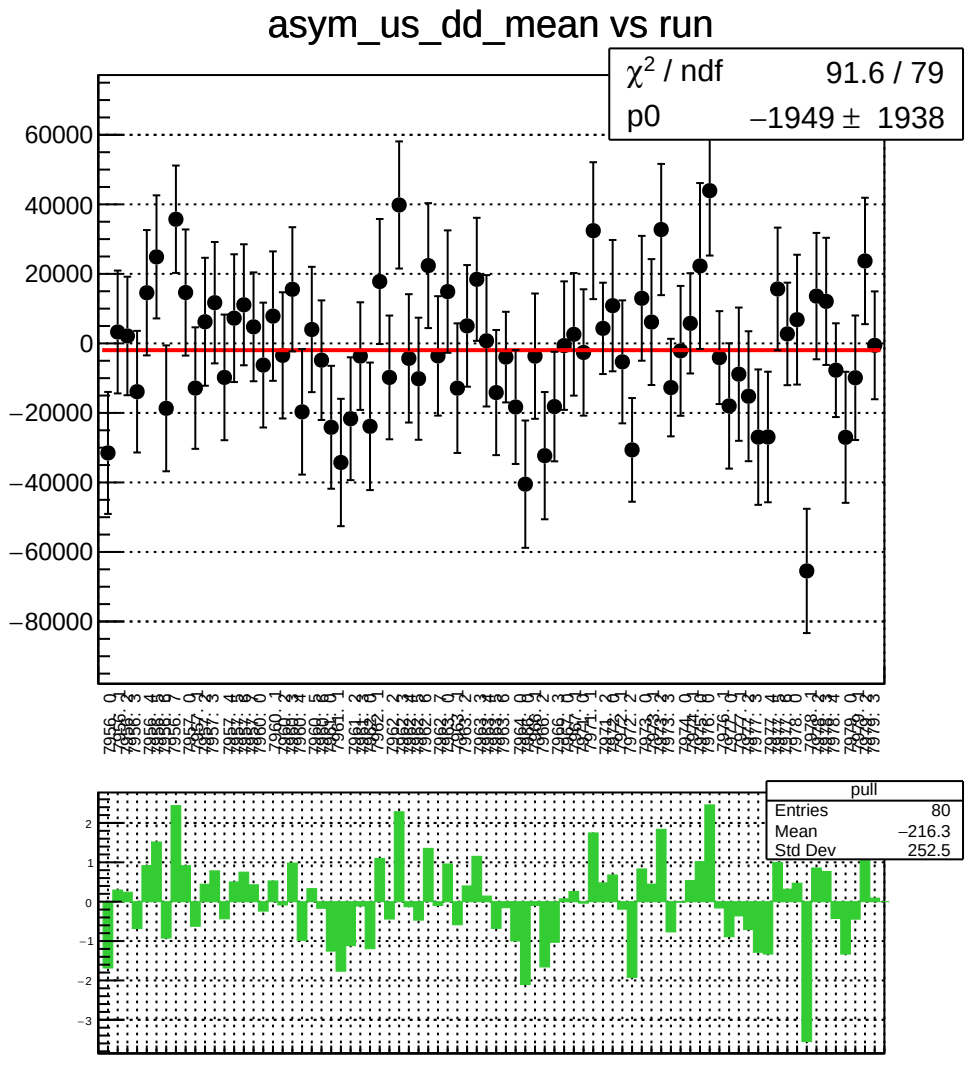

pull1D
Entries 80
Mean 0.009708
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

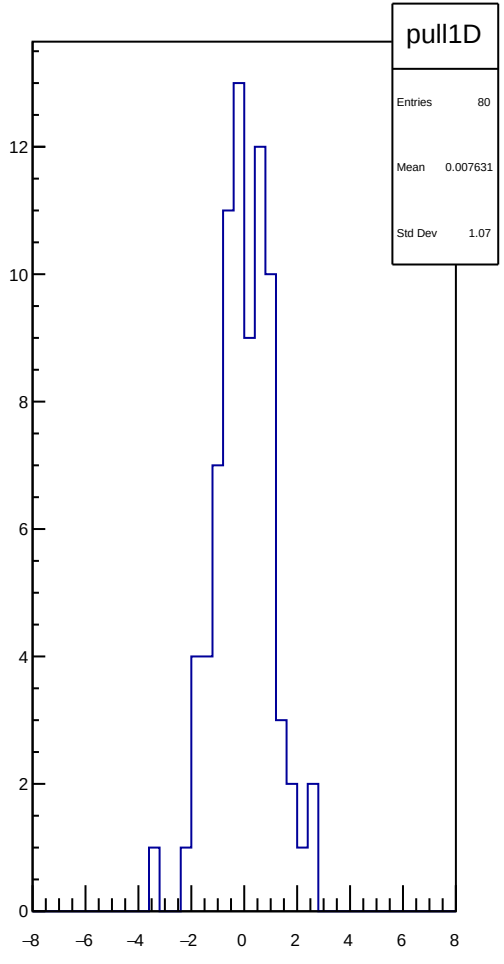

dit_asym_us_dd_rms vs run
χ² / ndf 131.6 / 79
p0 762.7 ± 0.6045
780
770
760
750
740

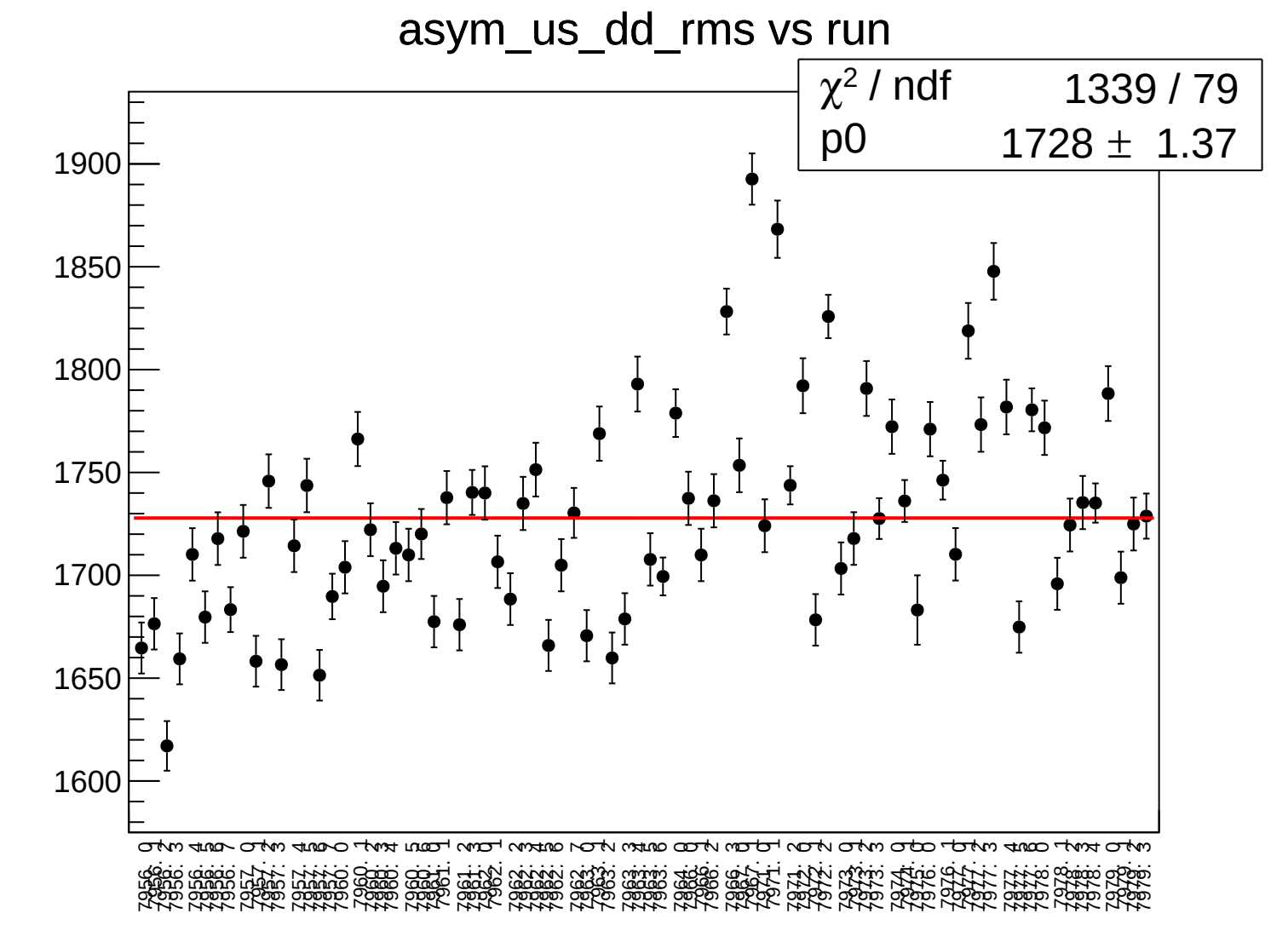

asym_us_dd_correction_mean vs run
χ² / ndf 71.4 / 79
p0 3452 ± 2176
pull
Entries 80
Mean −384.9
Std Dev 399.8

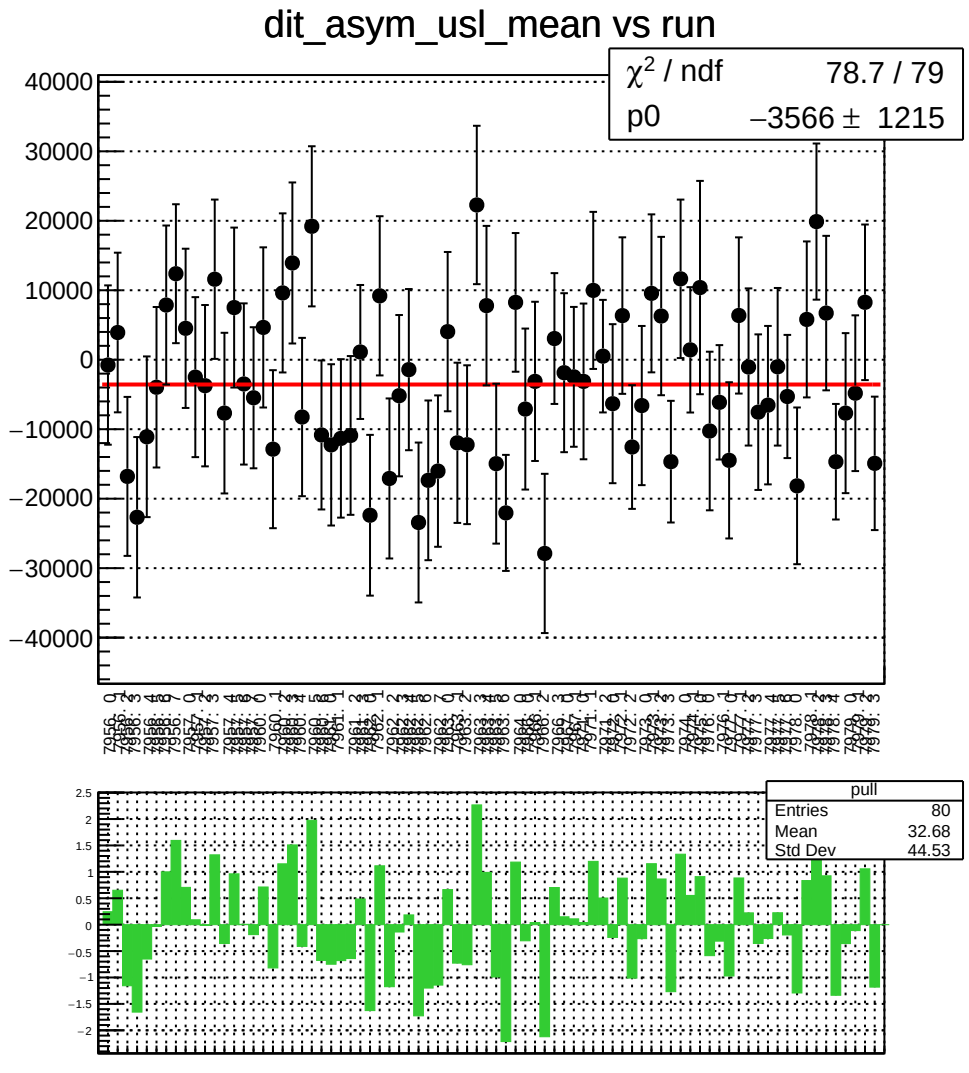

pull1D
Entries 80
Mean −0.00199
Std Dev 0.9447

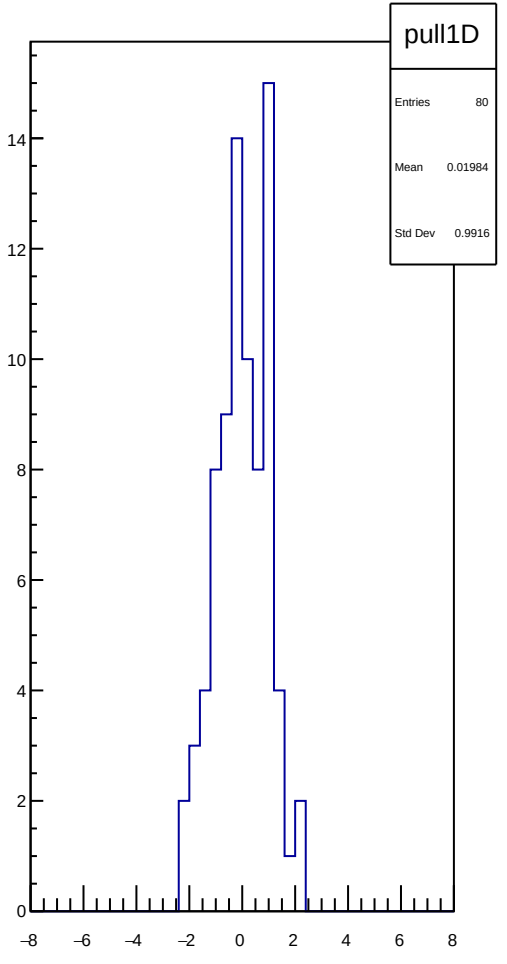

asym_us_dd_correction_rms vs run
χ² / ndf 1249 / 79
p0 1941 ± 1.539
2100
2050
2000
1950
1900
1850
1800
1750

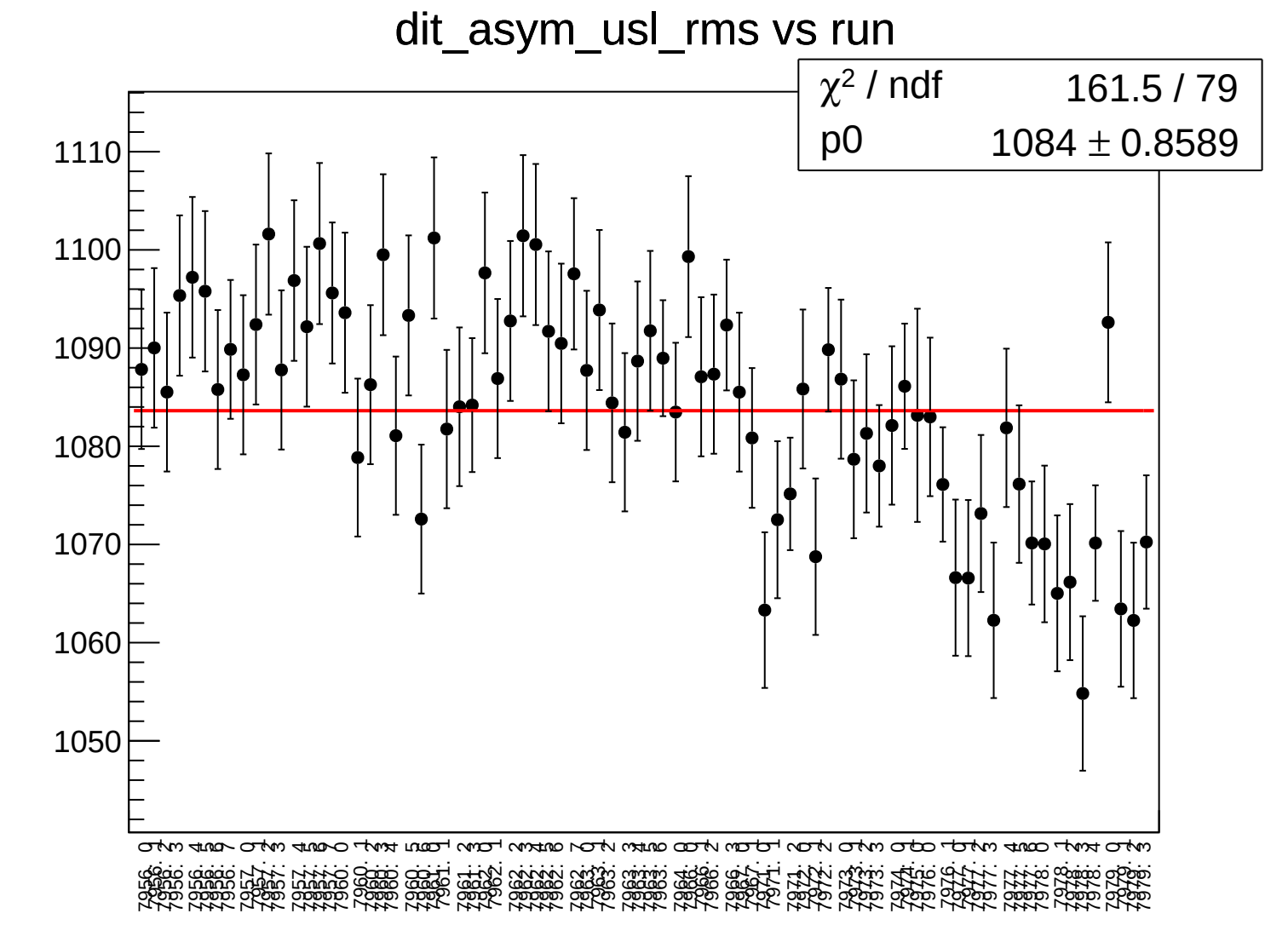

asym_us_dd_mean vs run
χ² / ndf 91.6 / 79
p0 −1949 ± 1938
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −216.3
Std Dev 252.5
2
1
0
−1
−2
−3

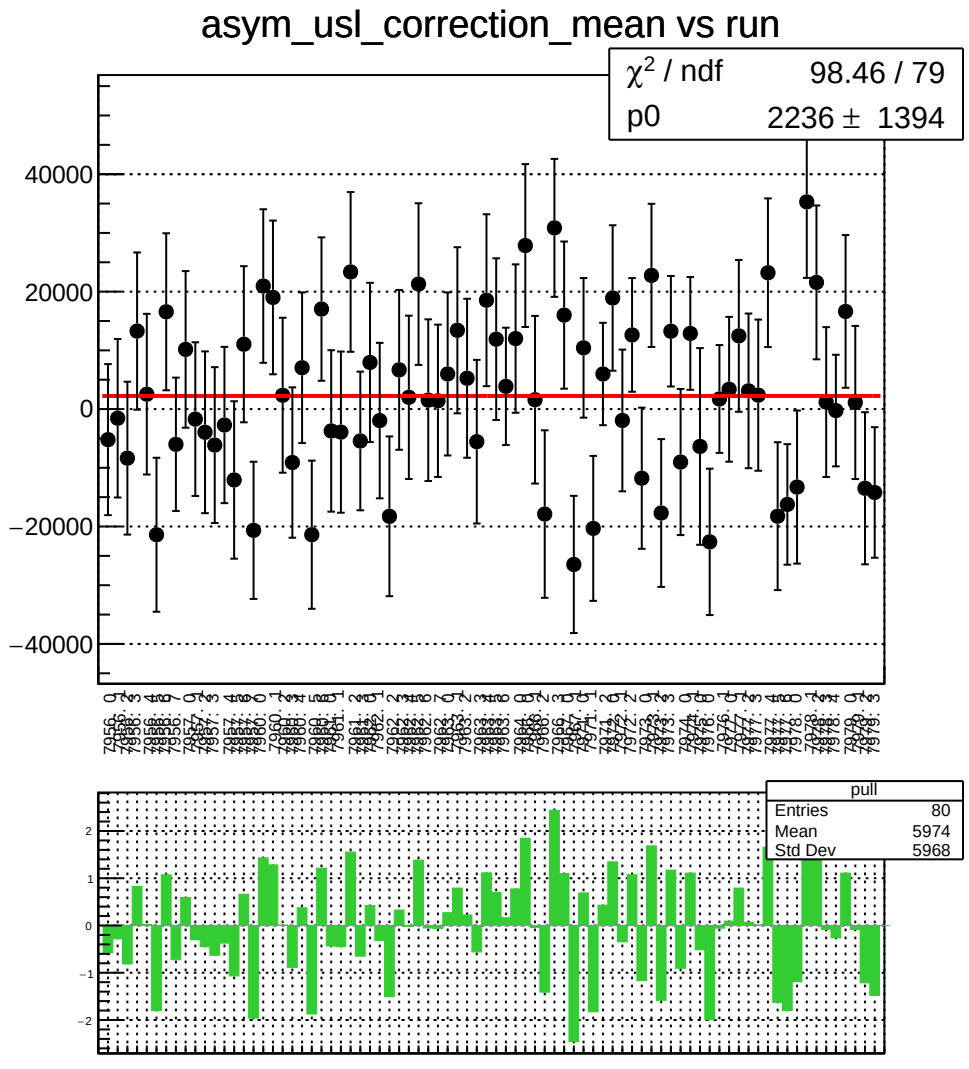

pull1D
Entries 80
Mean 0.007631
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

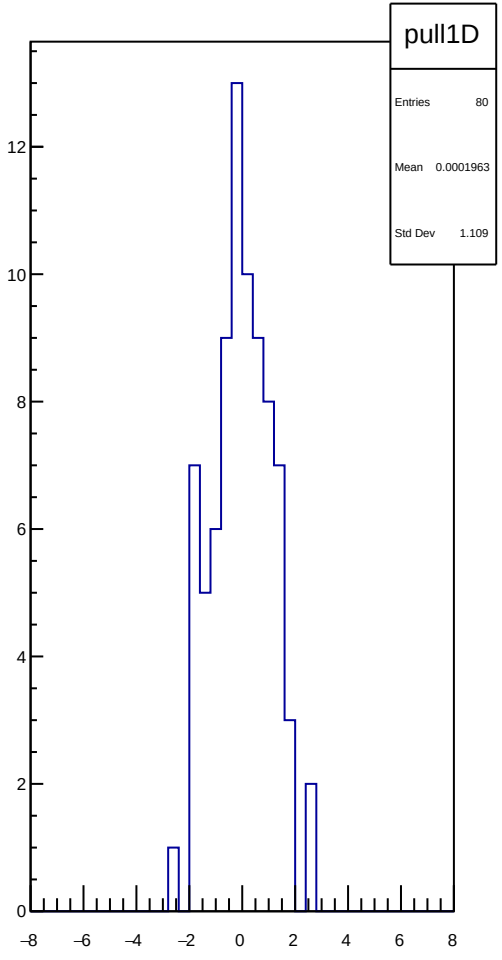

asym_us_dd_rms vs run
χ² / ndf 1339 / 79
p0 1728 ± 1.37
1900
1850
1800
1750
1700
1650
1600

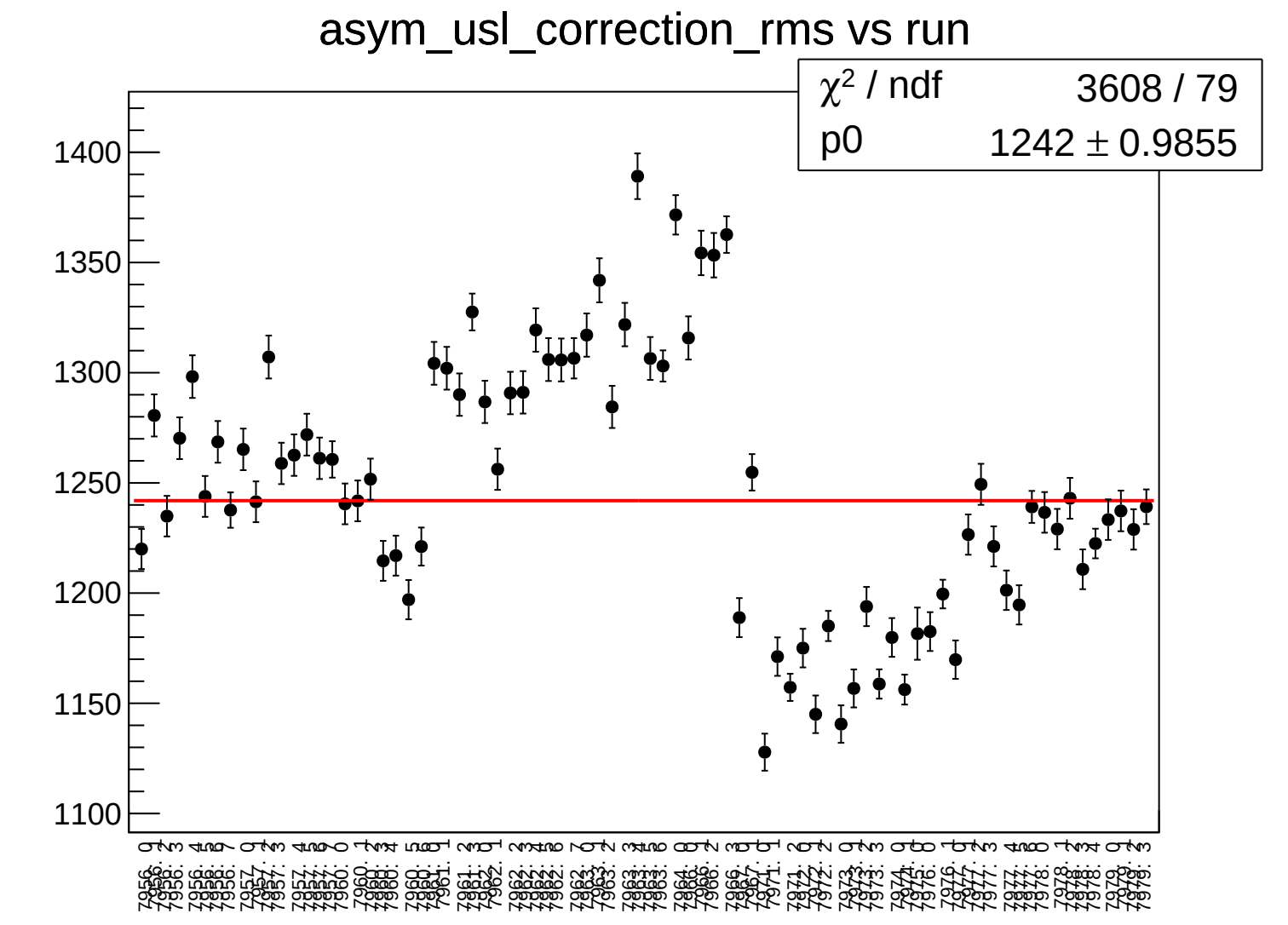

dit_asym_usl_mean vs run
χ² / ndf 78.7 / 79
p0 −3566 ± 1215
pull
Entries 80
Mean 32.68
Std Dev 44.53

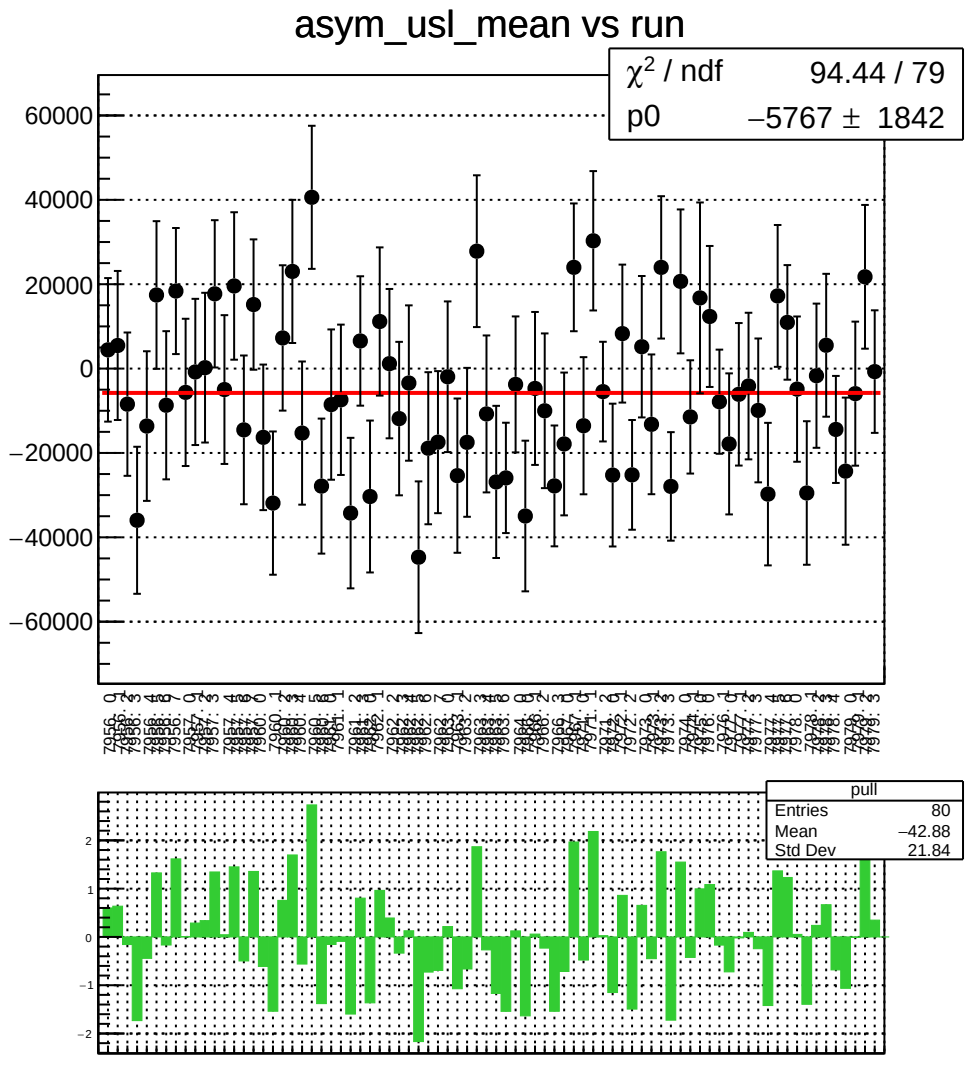

pull1D
Entries 80
Mean 0.01984
Std Dev 0.9916

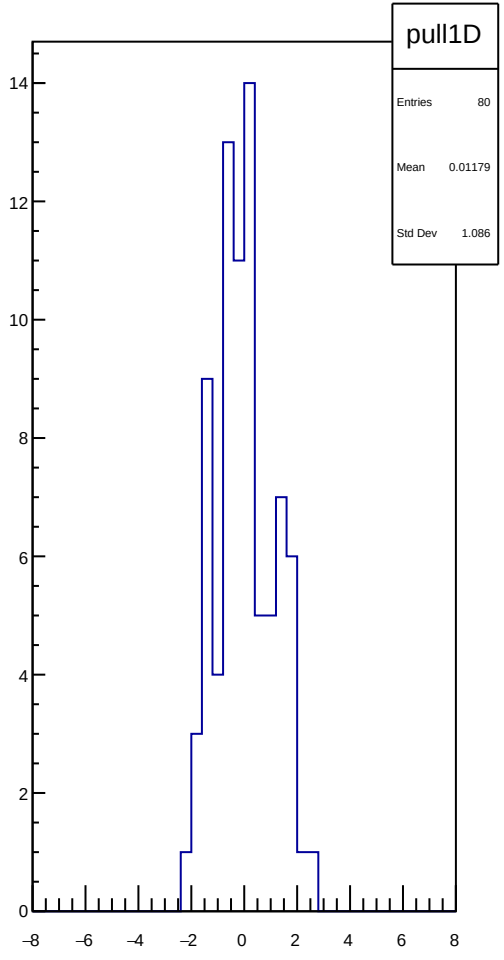

dit_asym_usl_rms vs run
χ² / ndf 161.5 / 79
p0 1084 ± 0.8589
1110
1100
1090
1080
1070
1060
1050

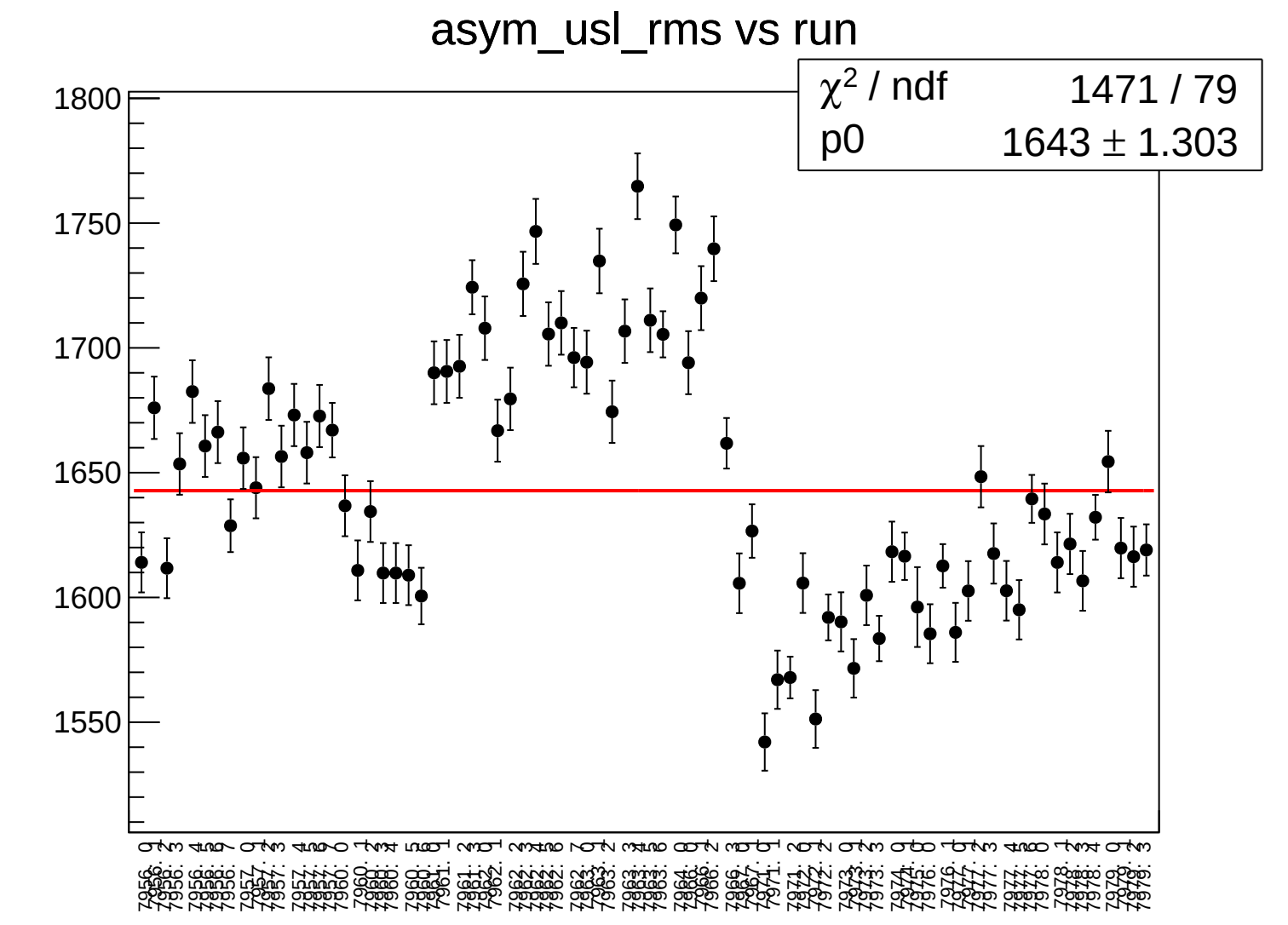

asym_usl_correction_mean vs run
χ² / ndf 98.46 / 79
p0 2236 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 5974
Std Dev 5968
2
1
0
−1
−2

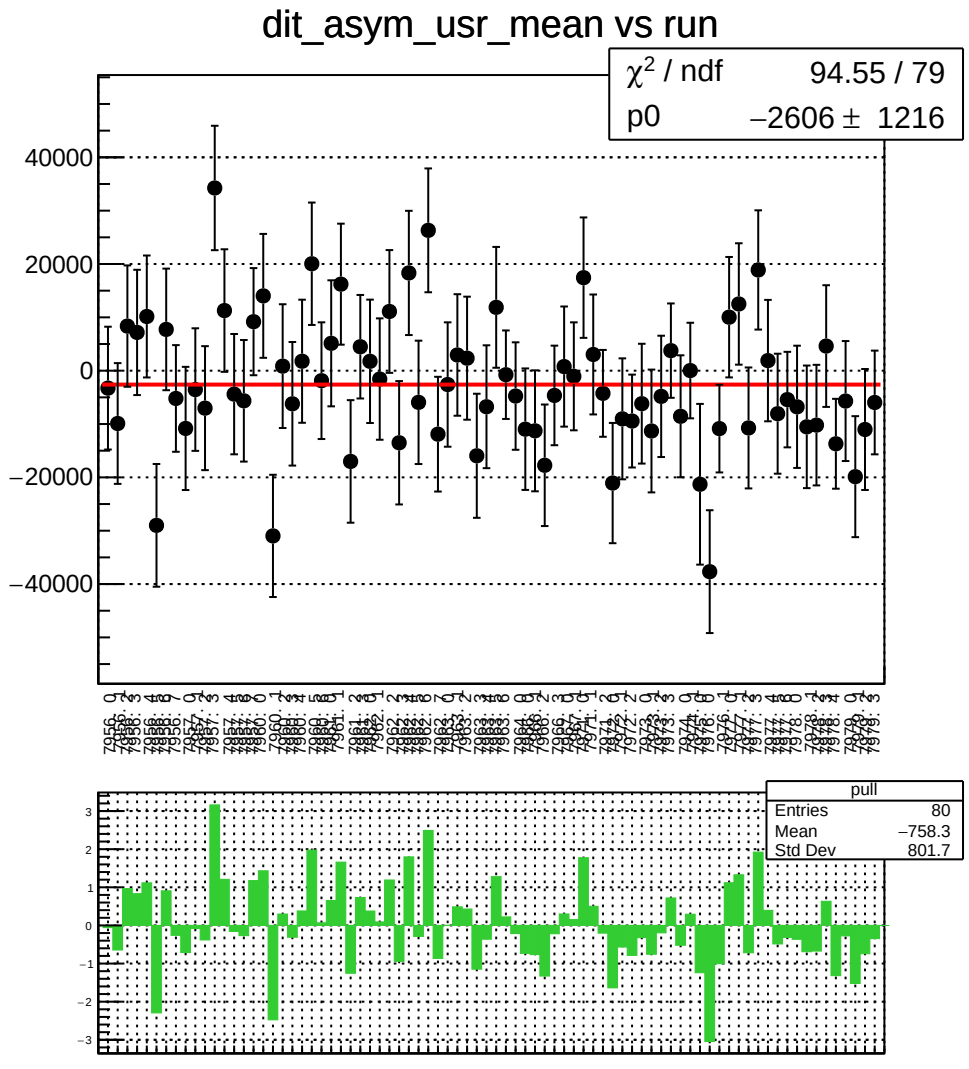

pull1D
Entries 80
Mean 0.0001963
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

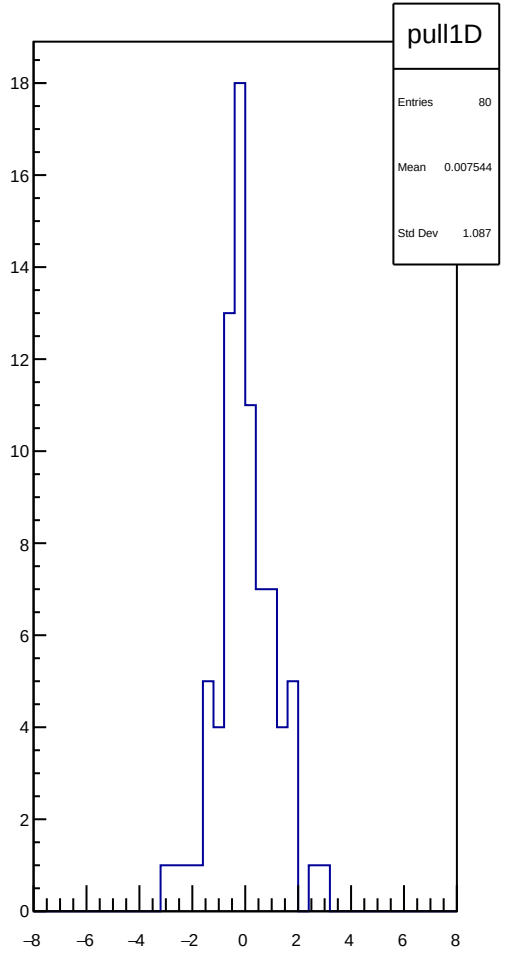

asym_usl_correction_rms vs run
χ² / ndf 3608 / 79
p0 1242 ± 0.9855
1400
1350
1300
1250
1200
1150
1100

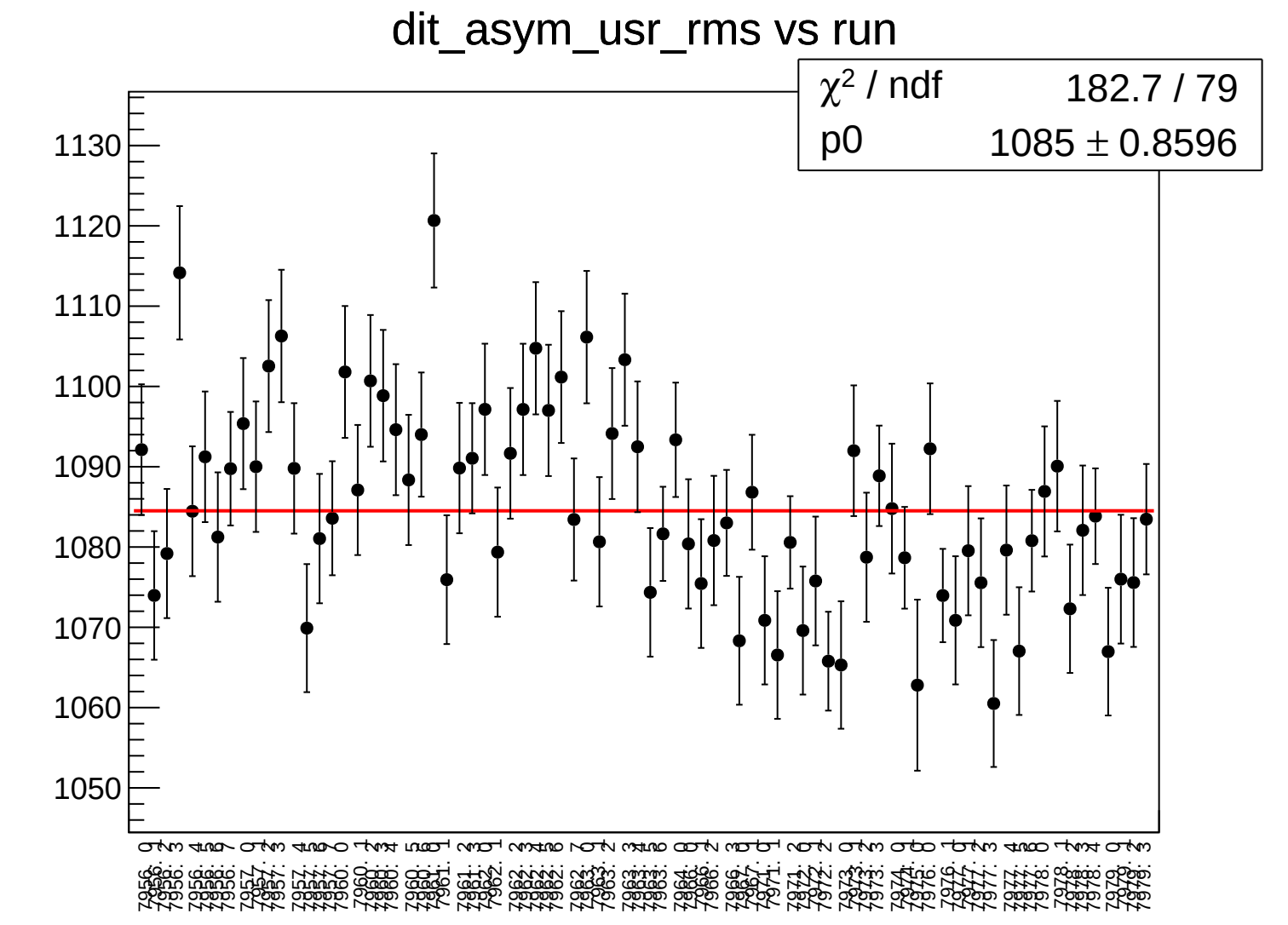

asym_usl_mean vs run
χ² / ndf 94.44 / 79
p0 −5767 ± 1842
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −42.88
Std Dev 21.84
2
1
0
−1
−2

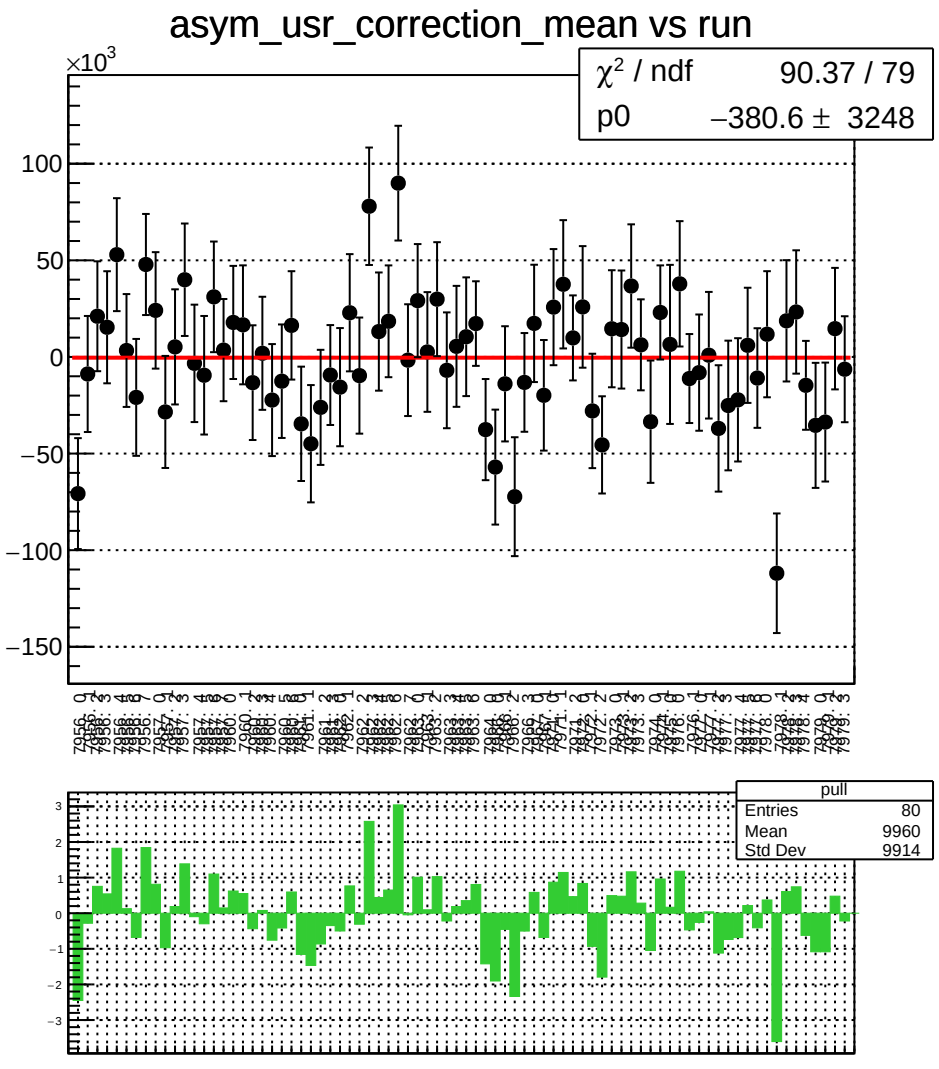

pull1D
Entries 80
Mean 0.01179
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

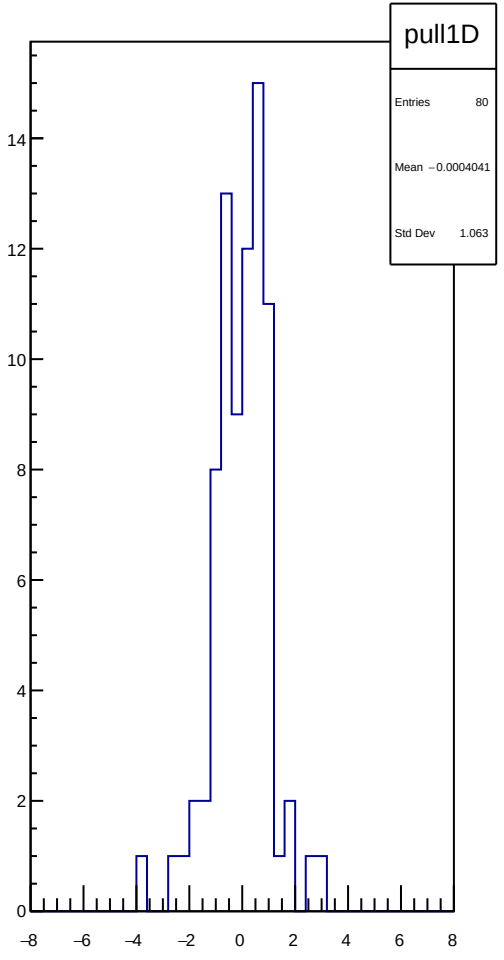

asym_usl_rms vs run
χ² / ndf 1471 / 79
p0 1643 ± 1.303
1800
1750
1700
1650
1600
1550

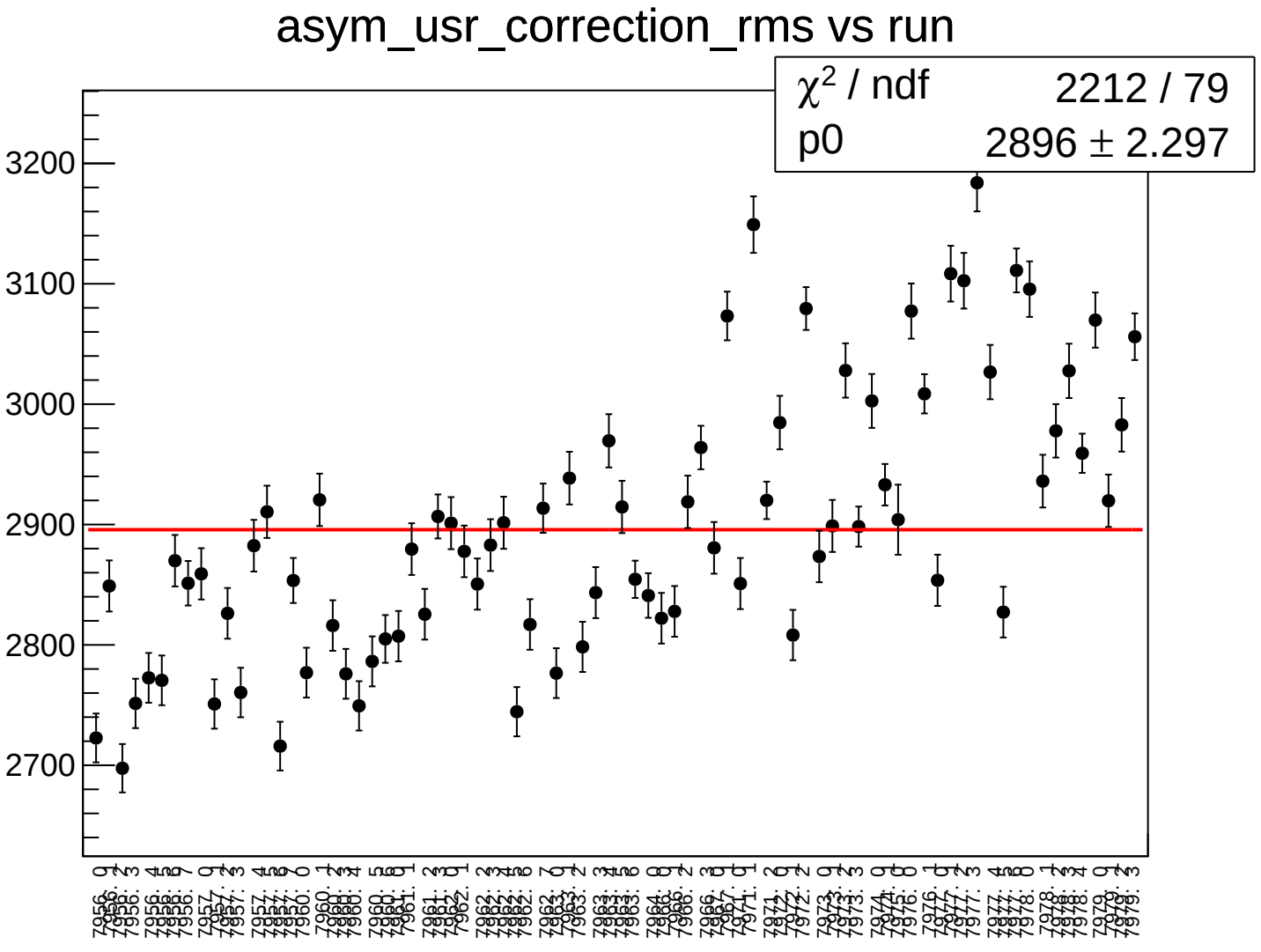

dit_asym_usr_mean vs run
χ² / ndf 94.55 / 79
p0 −2606 ± 1216
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −758.3
Std Dev 801.7
3
2
1
0
−1
−2
−3

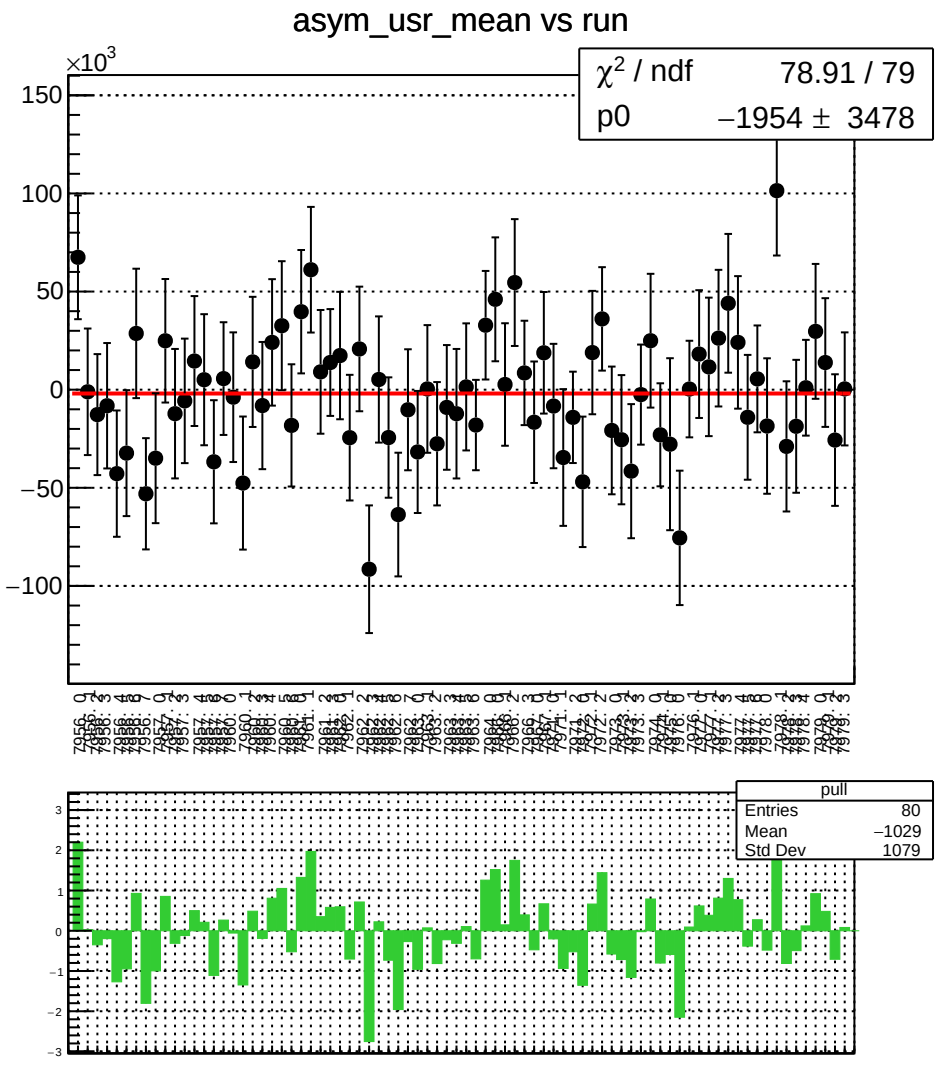

pull1D
Entries 80
Mean 0.007544
Std Dev 1.087
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

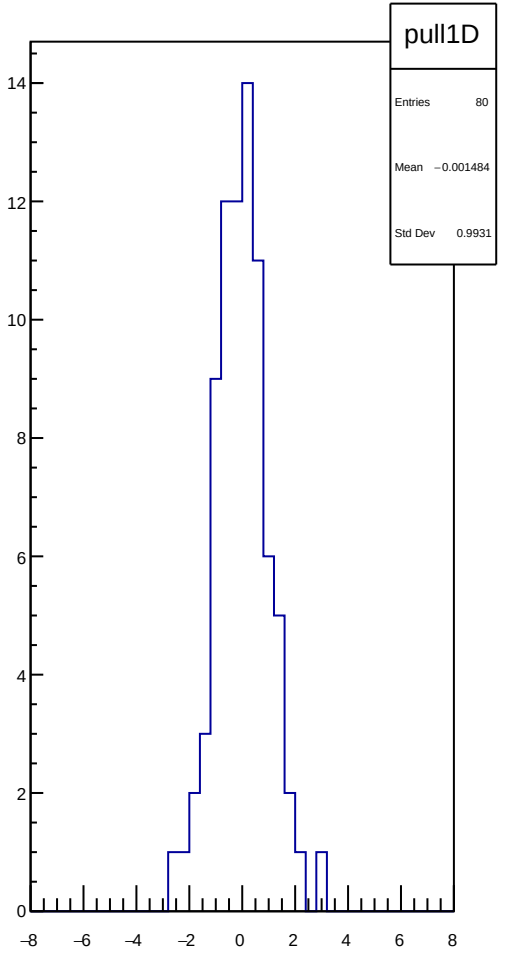

dit_asym_usr_rms vs run
χ² / ndf 182.7 / 79
p0 1085 ± 0.8596
1130
1120
1110
1100
1090
1080
1070
1060
1050

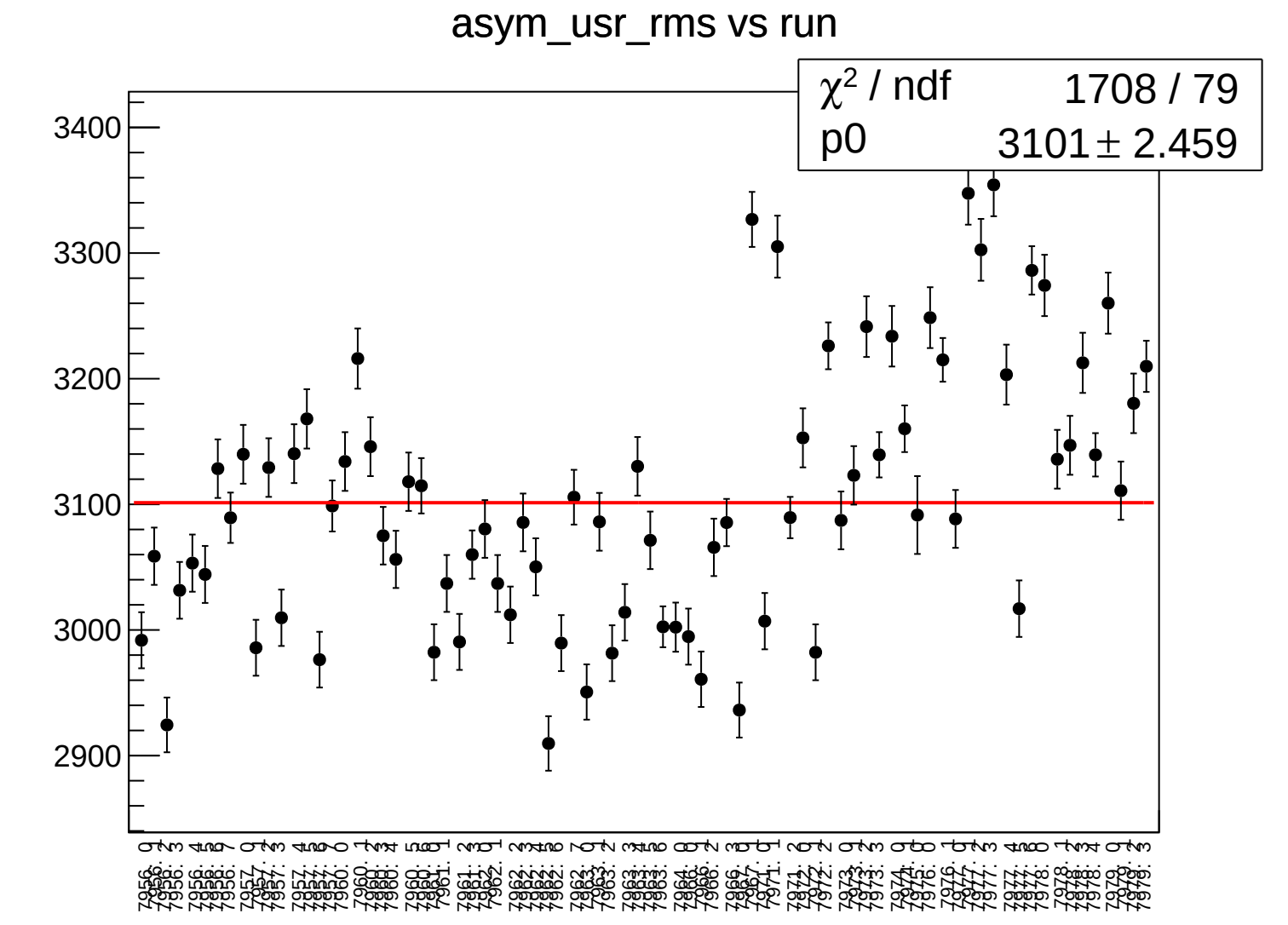

asym_usr_correction_mean vs run
×10^3
χ² / ndf 90.37 / 79
p0 −380.6 ± 3248
100
50
0
−50
−100
−150
pull
Entries 80
Mean 9960
Std Dev 9914
3
2
1
0
−1
−2
−3

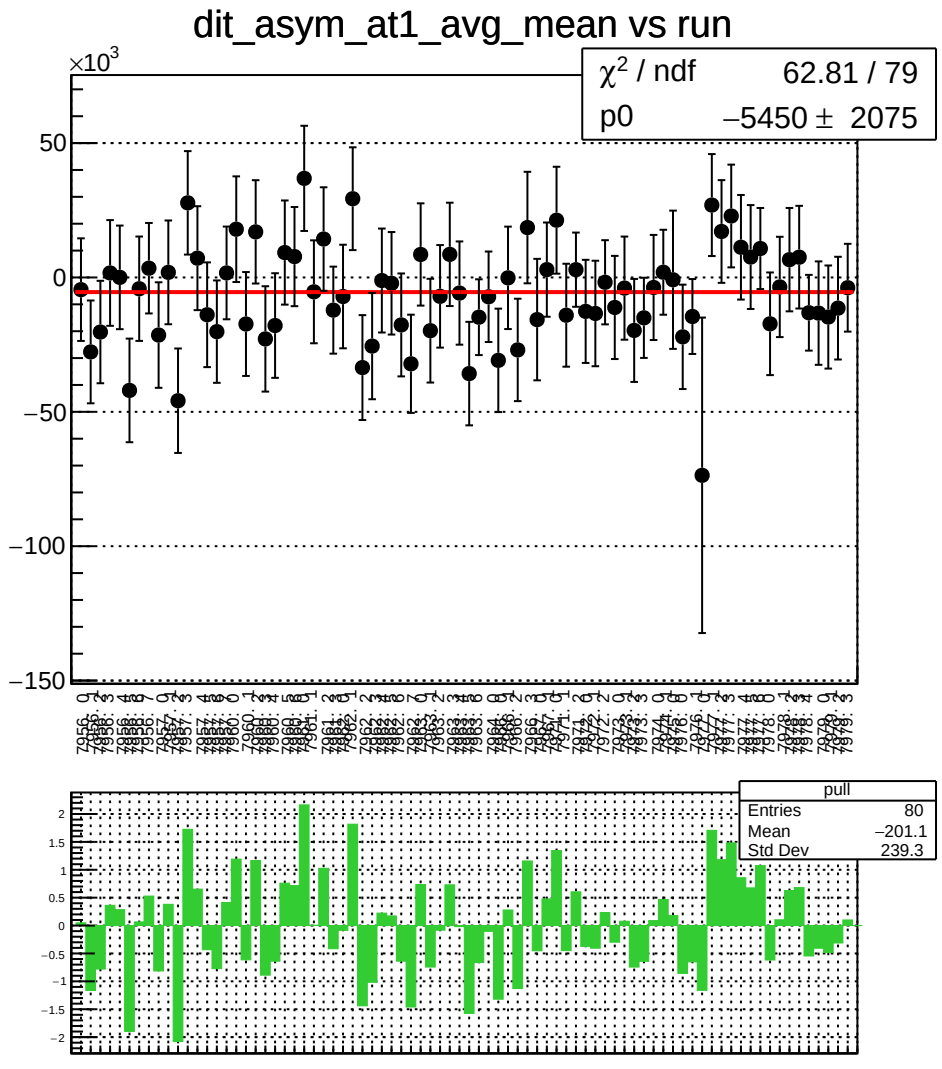

pull1D
Entries 80
Mean −0.0004041
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

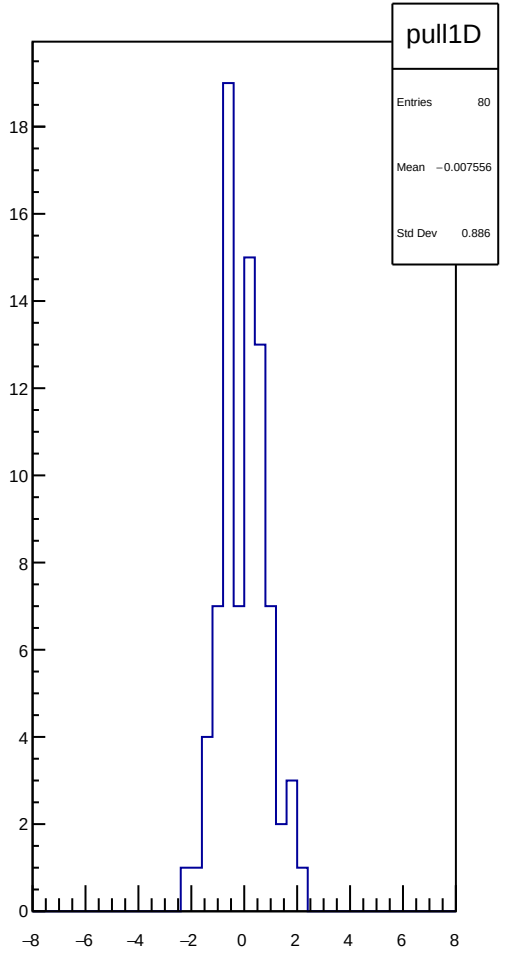

asym_usr_correction_rms vs run
χ² / ndf 2212 / 79
p0 2896 ± 2.297
3200
3100
3000
2900
2800
2700

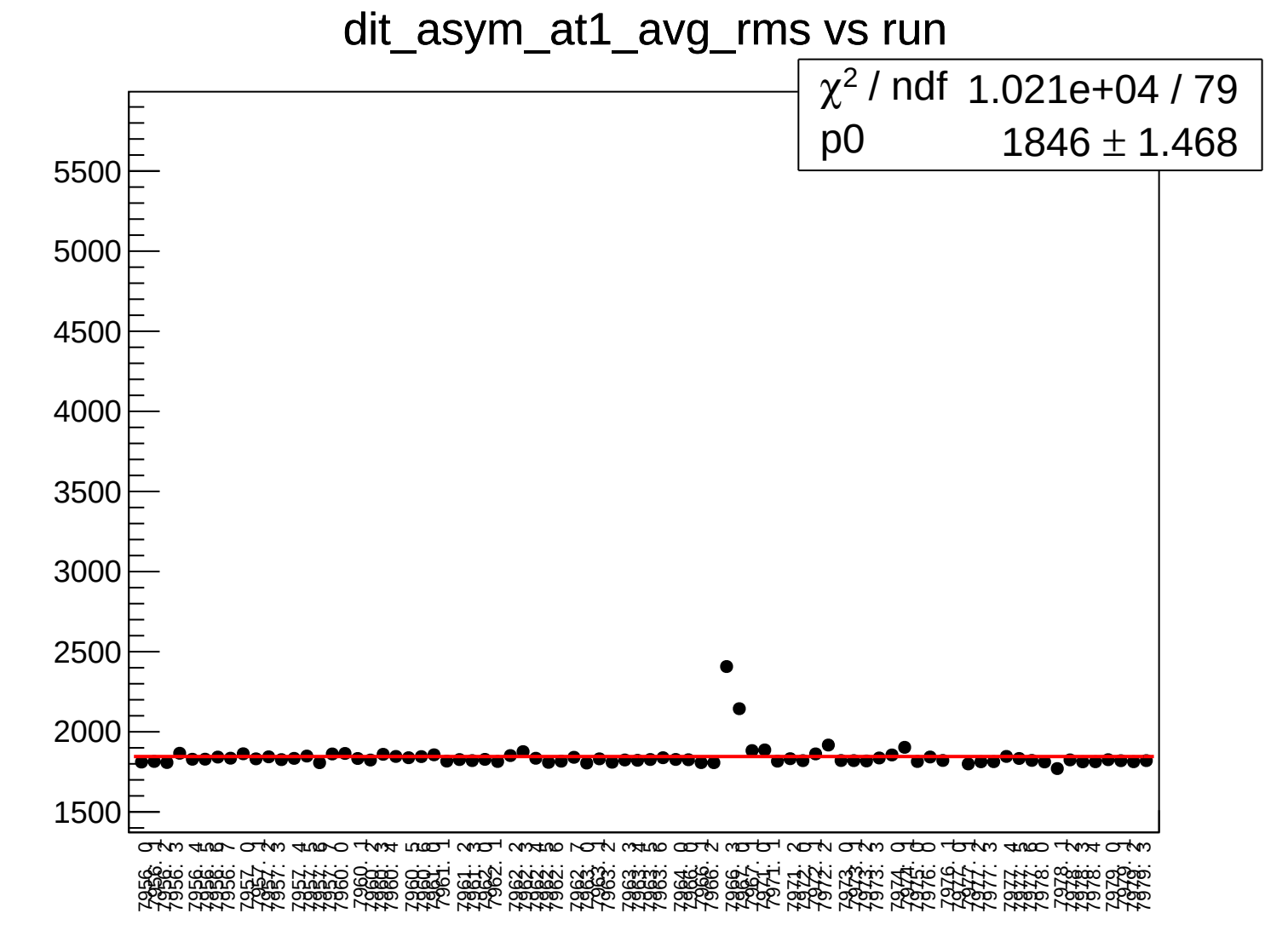

asym_usr_mean vs run
×10^3
χ² / ndf 78.91 / 79
p0 −1954 ± 3478
150
100
50
0
−50
−100
pull
Entries 80
Mean −1029
Std Dev 1079
3
2
1
0
−1
−2
−3

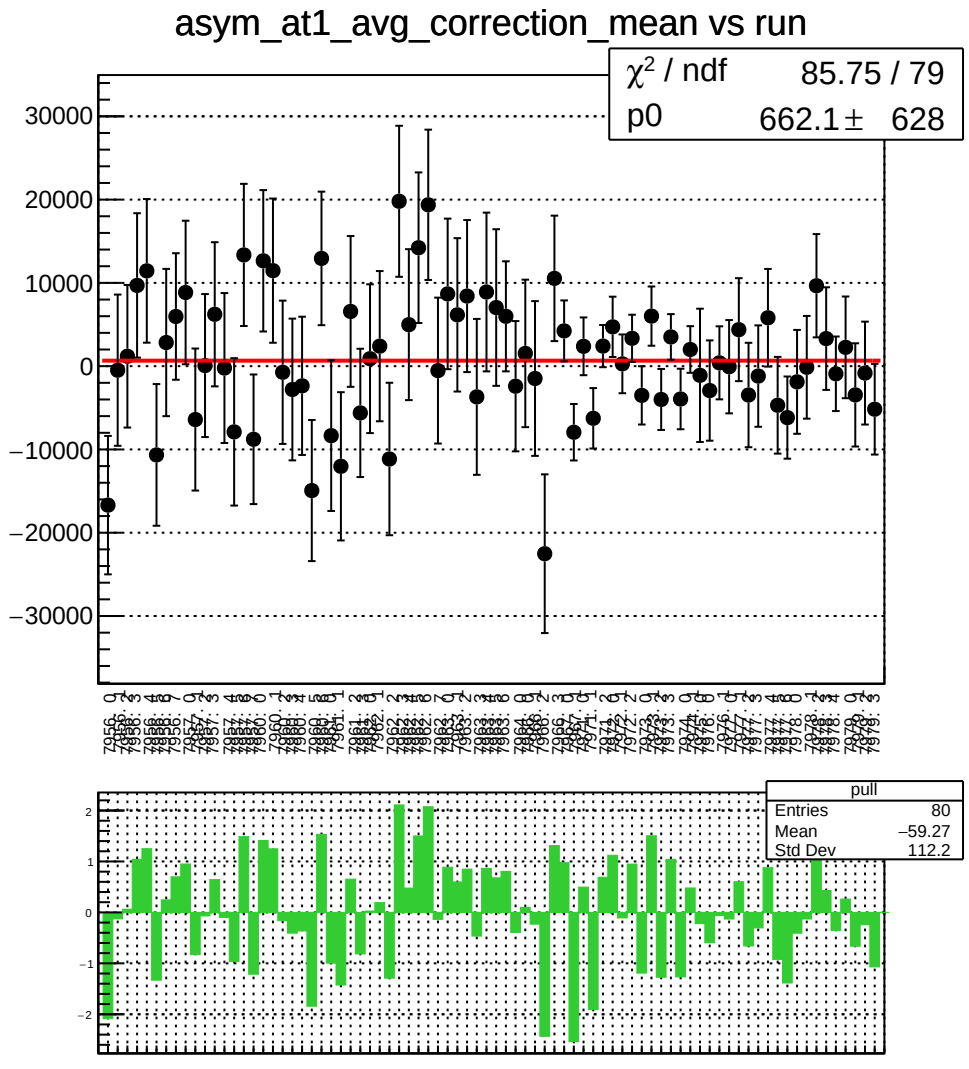

pull1D
Entries 80
Mean −0.001484
Std Dev 0.9931
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

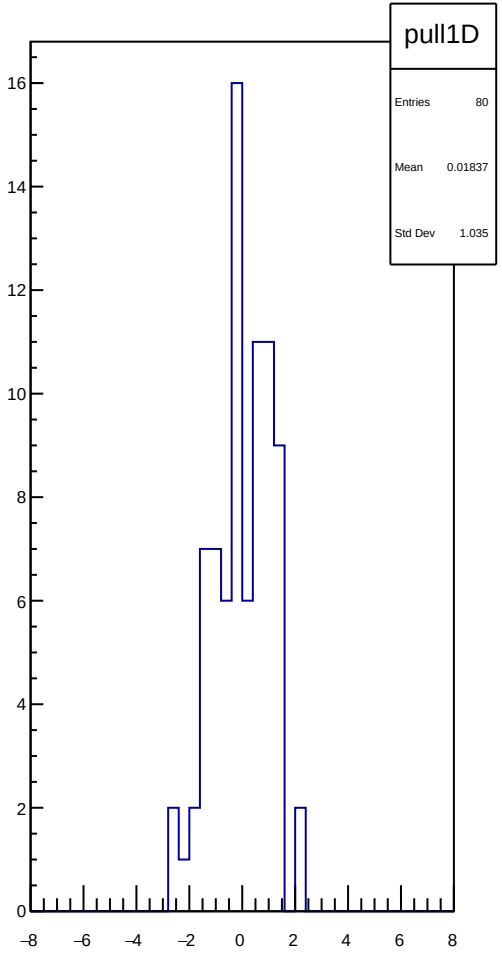

asym_usr_rms vs run
χ² / ndf 1708 / 79
p0 3101 ± 2.459
3400
3300
3200
3100
3000
2900

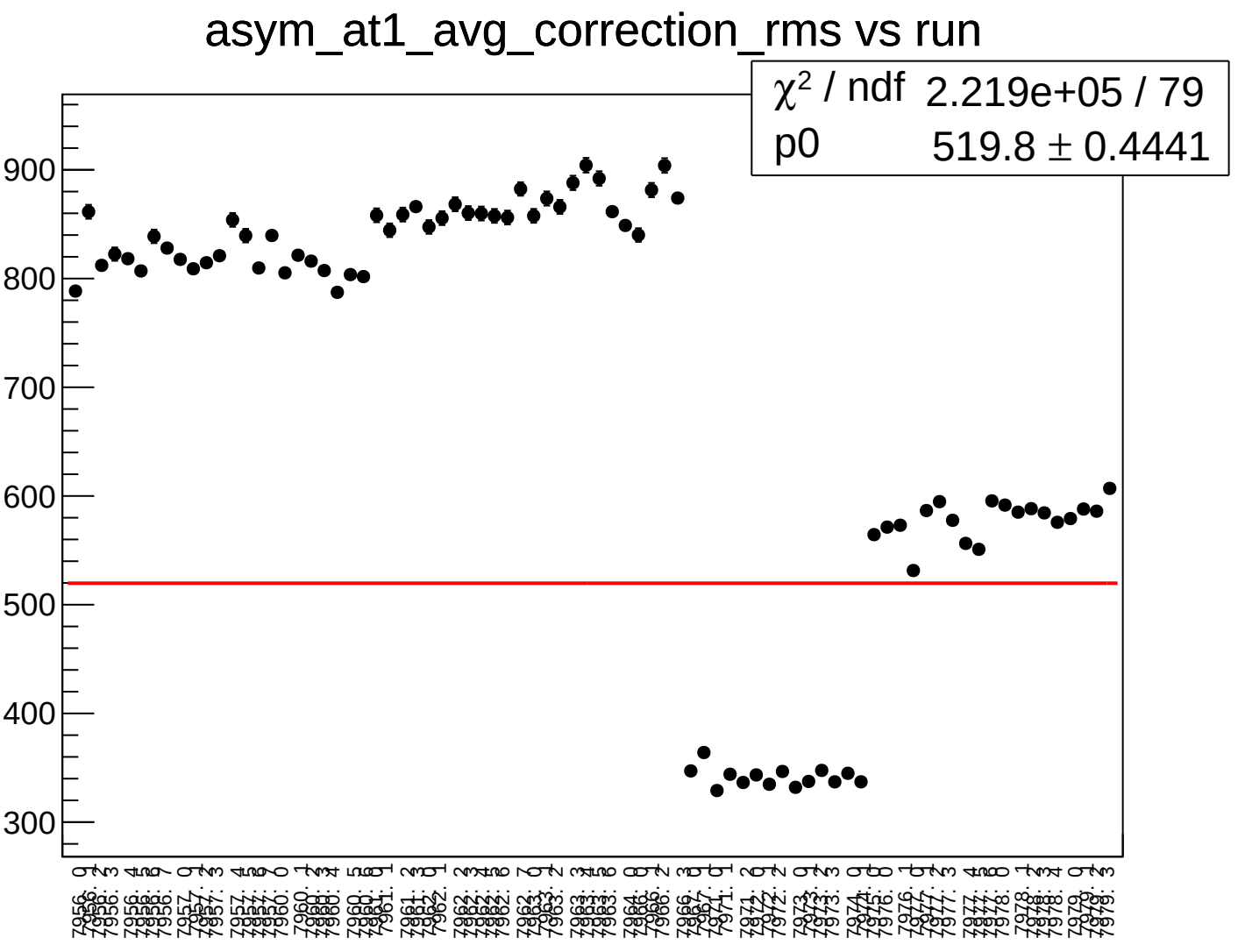

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 62.81 / 79
p0 −5450 ± 2075
50
0
−50
−100
−150
pull
Entries 80
Mean −201.1
Std Dev 239.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

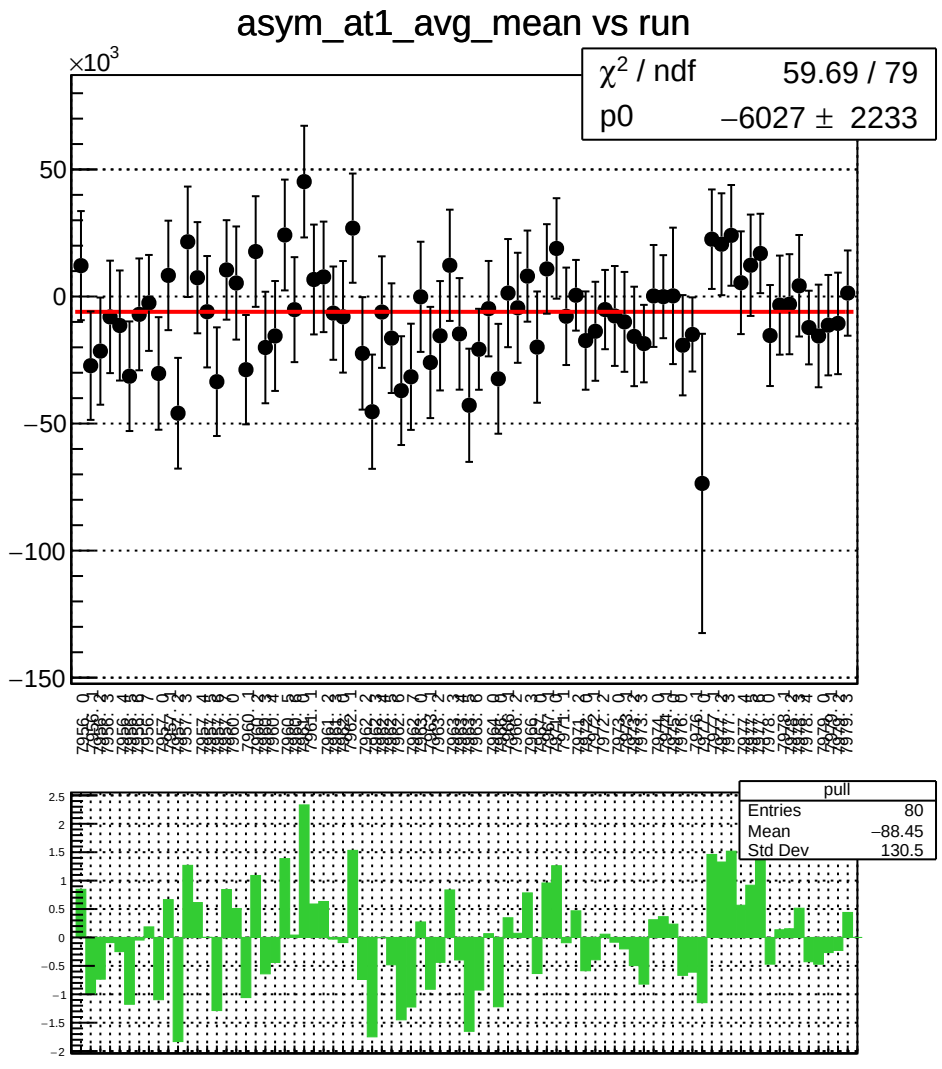

pull1D
Entries 80
Mean −0.007556
Std Dev 0.886
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

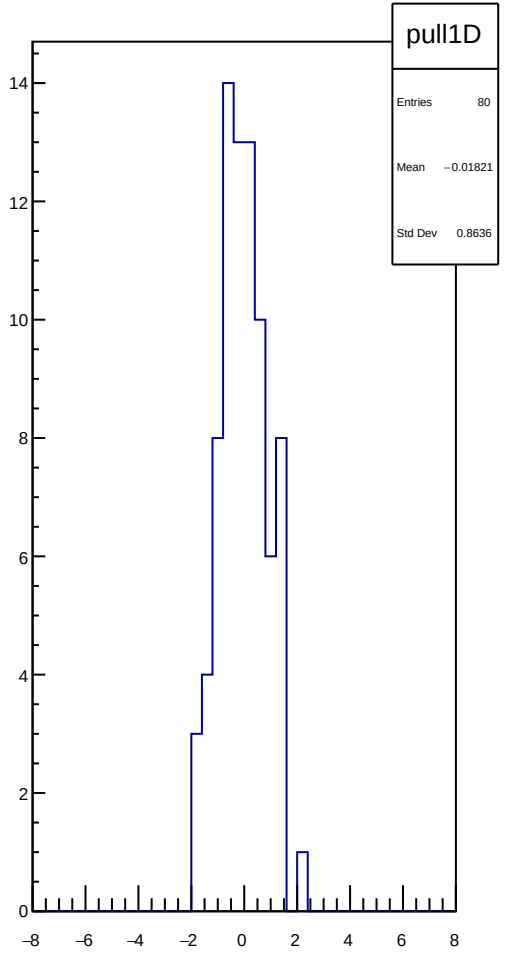

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.021e+04 / 79
p0 1846 ± 1.468
5500
5000
4500
4000
3500
3000
2500
2000
1500

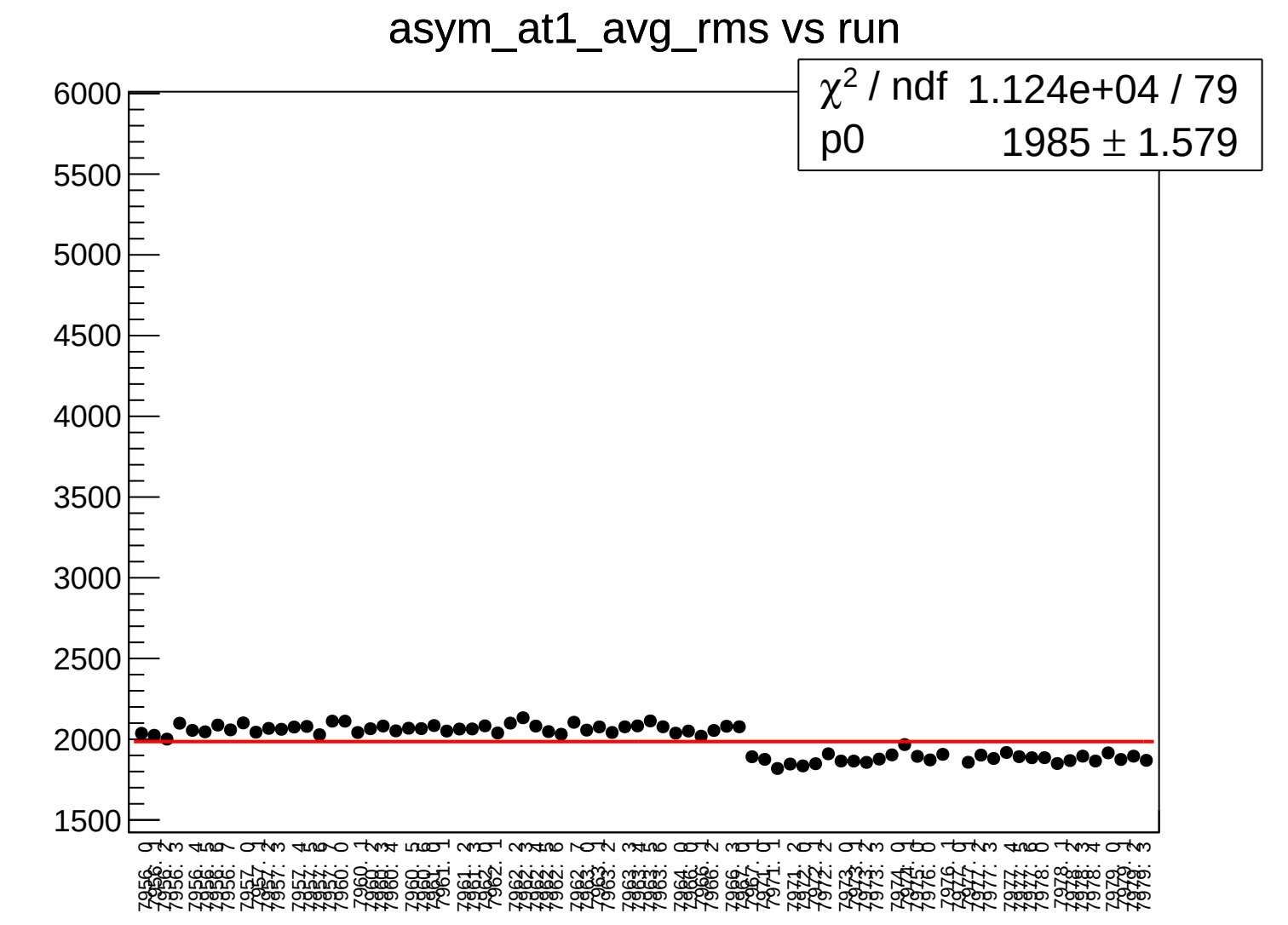

asym_at1_avg_correction_mean vs run
χ² / ndf 85.75 / 79
p0 662.1 ± 628
pull
Entries 80
Mean −59.27
Std Dev 112.2

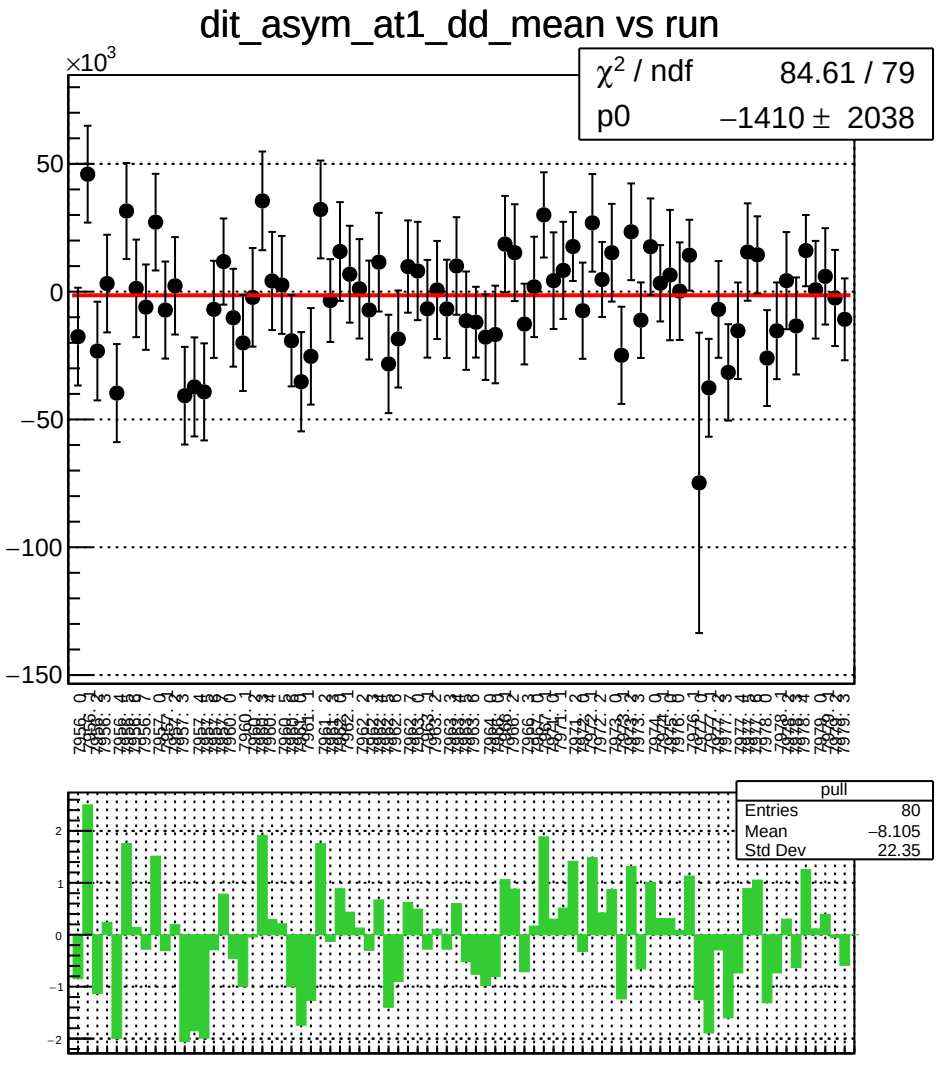

pull1D
Entries 80
Mean 0.01837
Std Dev 1.035

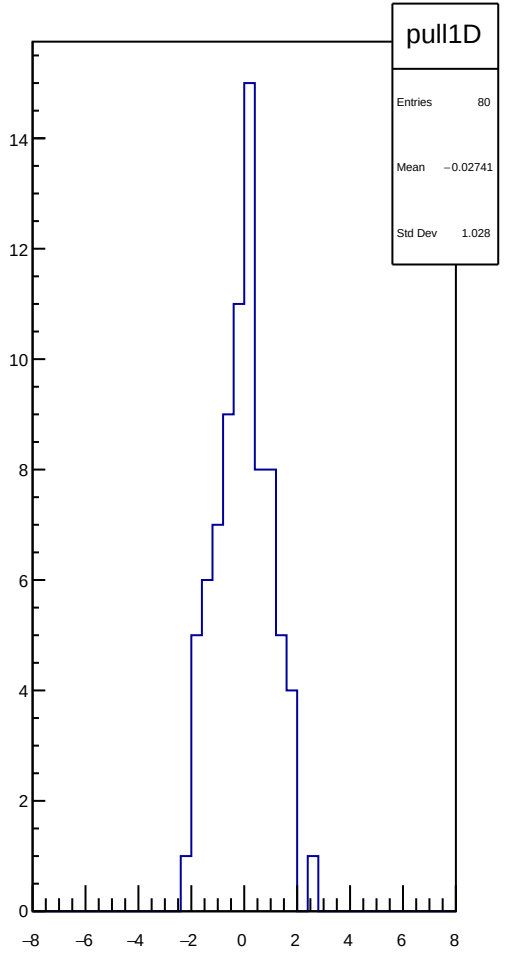

asym_at1_avg_correction_rms vs run
χ² / ndf 2.219e+05 / 79
p0 519.8 ± 0.4441
900
800
700
600
500
400
300

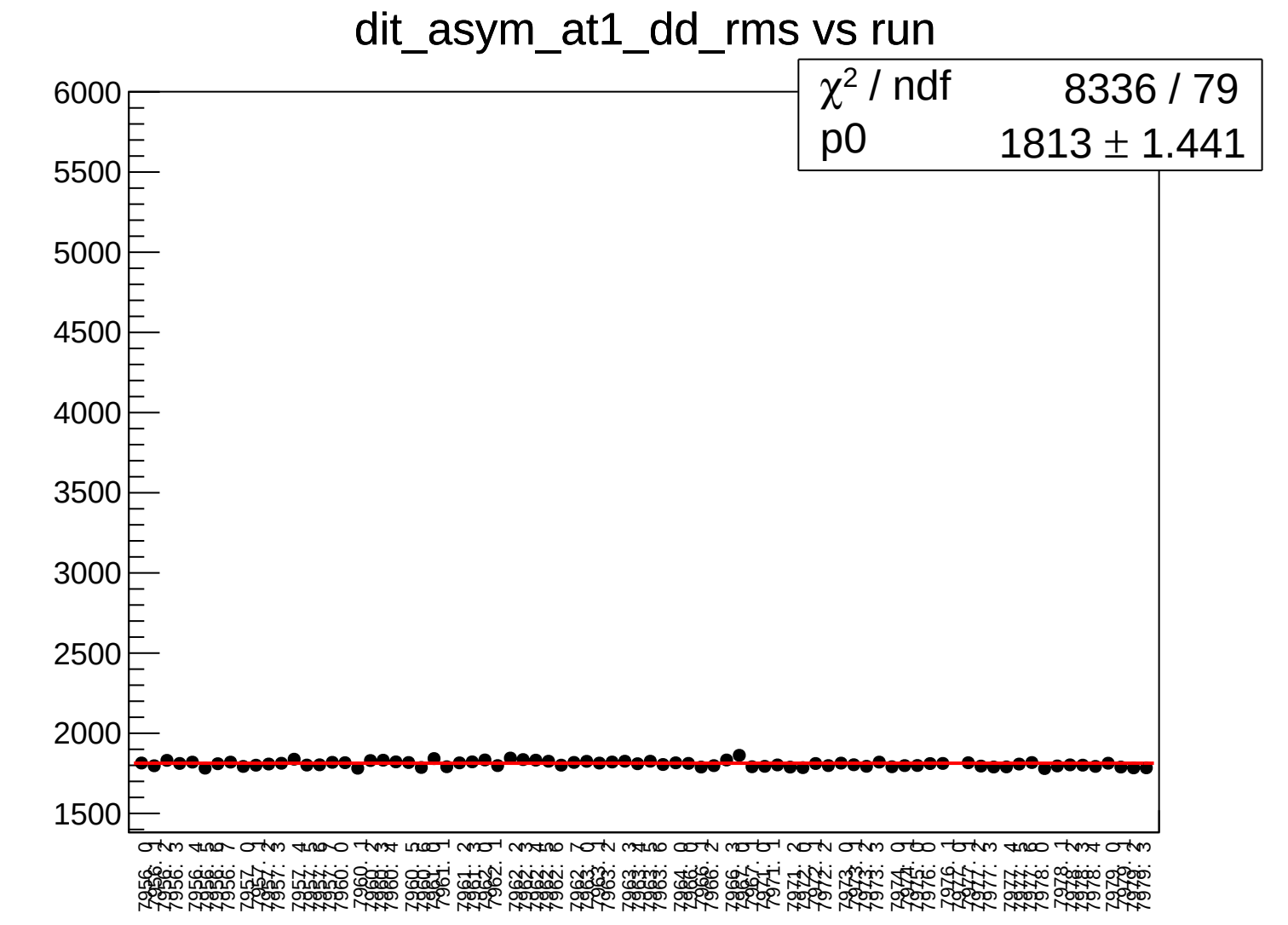

asym_at1_avg_mean vs run
×10^3
χ² / ndf 59.69 / 79
p0 −6027 ± 2233
50
0
−50
−100
−150
pull
Entries 80
Mean −88.45
Std Dev 130.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

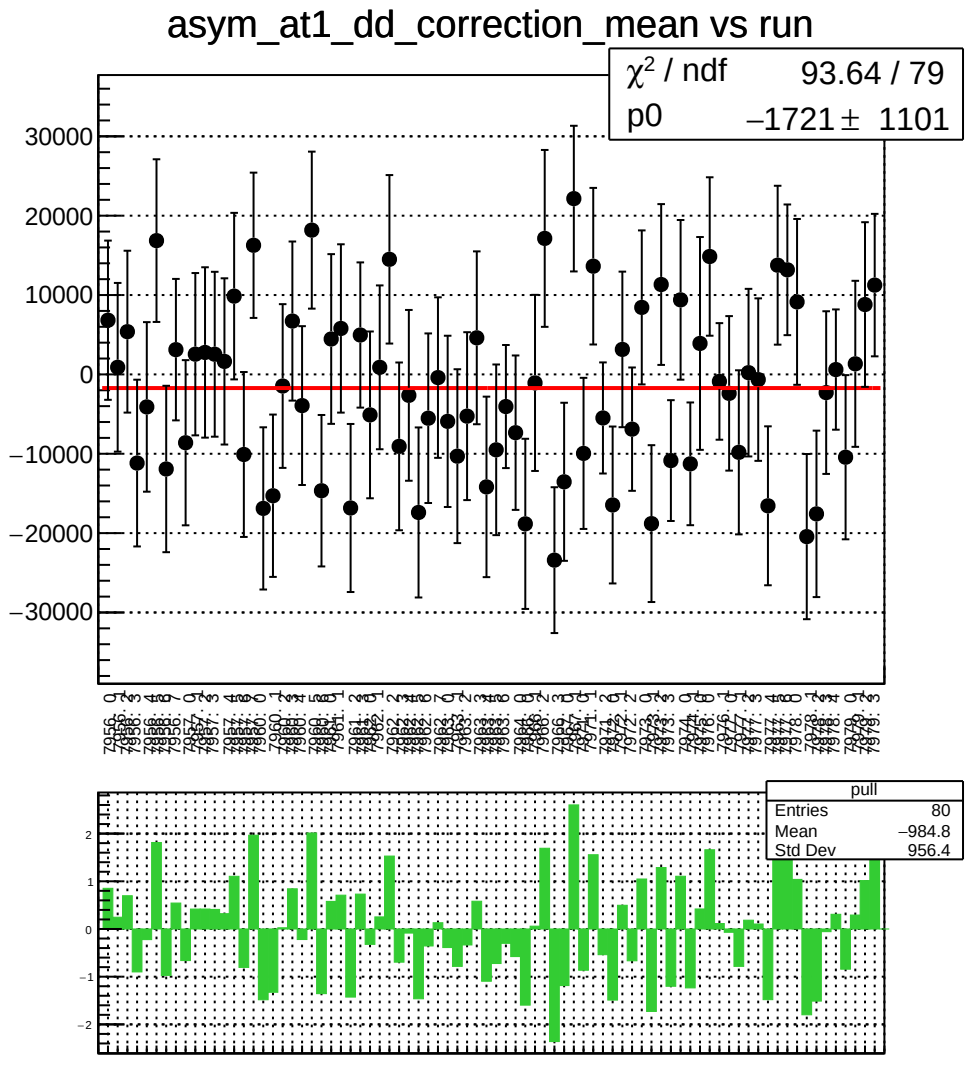

pull1D
Entries 80
Mean −0.01821
Std Dev 0.8636
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

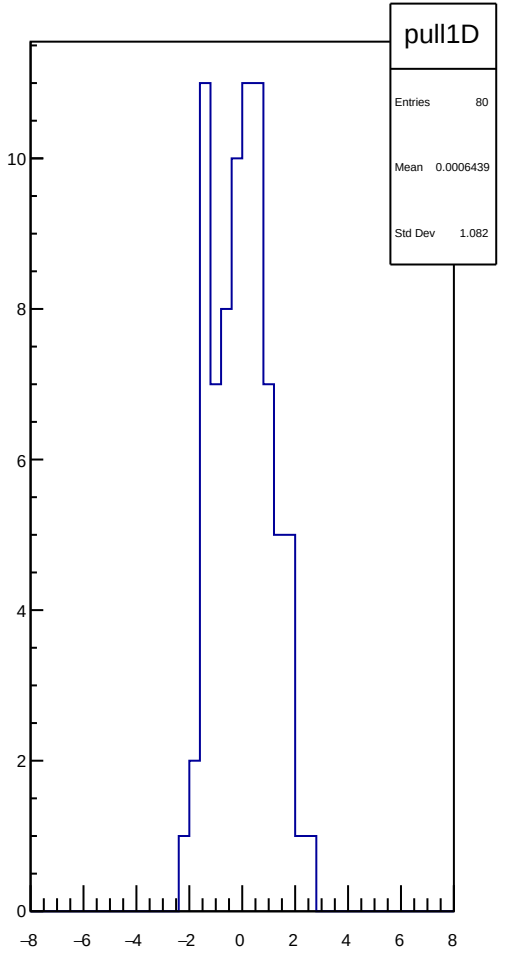

asym_at1_avg_rms vs run
χ^2 / ndf 1.124e+04 / 79
p0 1985 ± 1.579
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

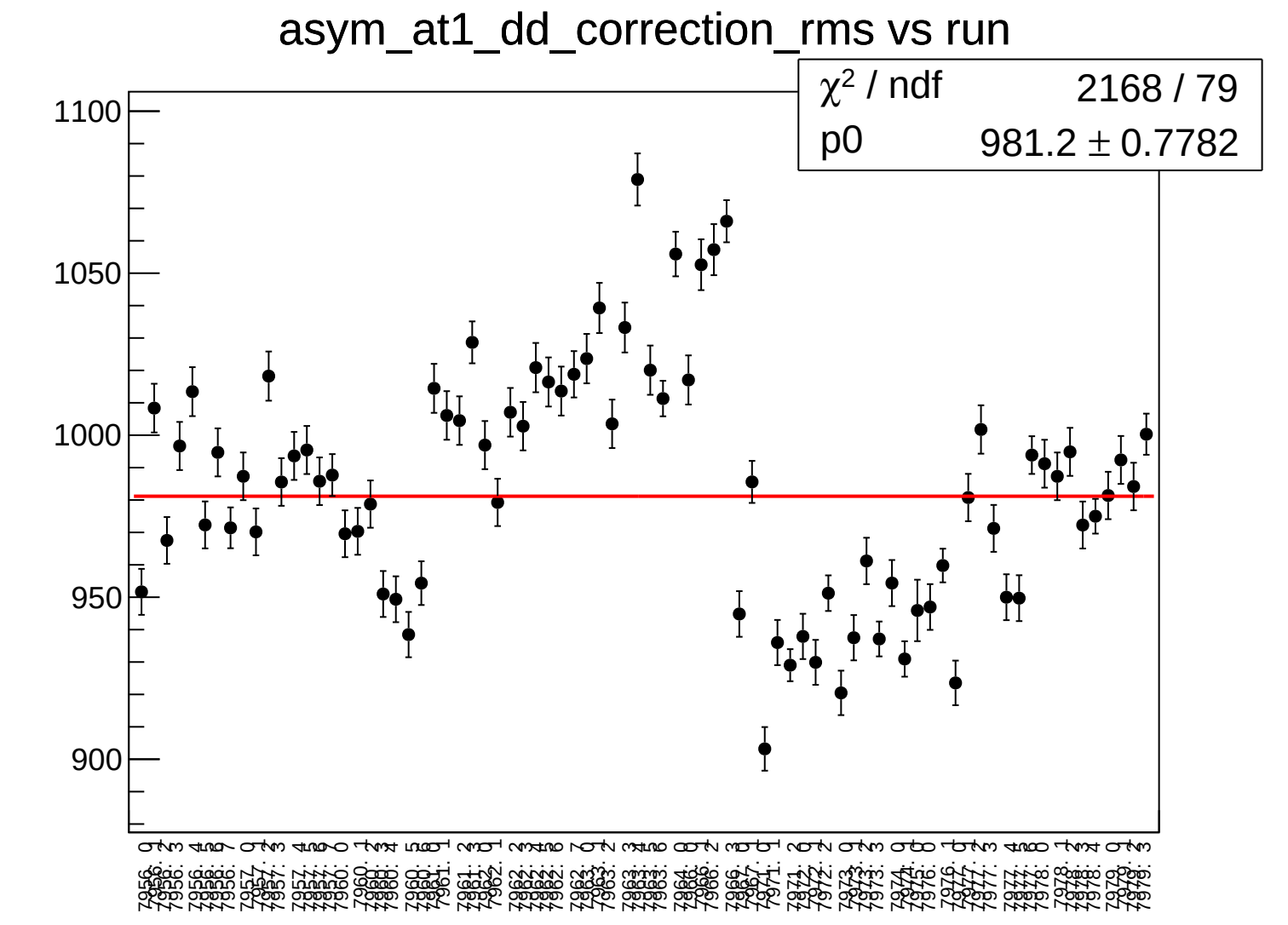

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 84.61 / 79
p0 −1410 ± 2038
50
0
−50
−100
−150
pull
Entries 80
Mean −8.105
Std Dev 22.35
2
1
0
−1
−2

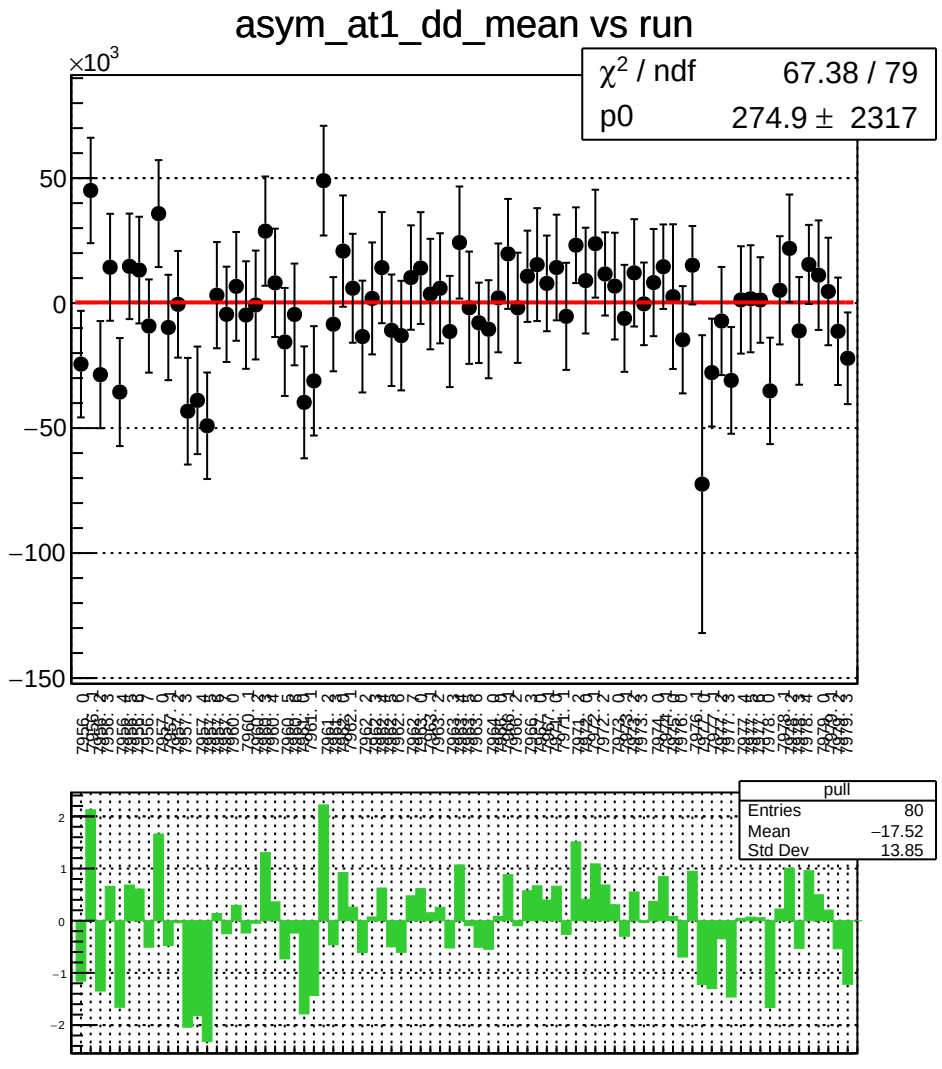

pull1D
Entries 80
Mean −0.02741
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

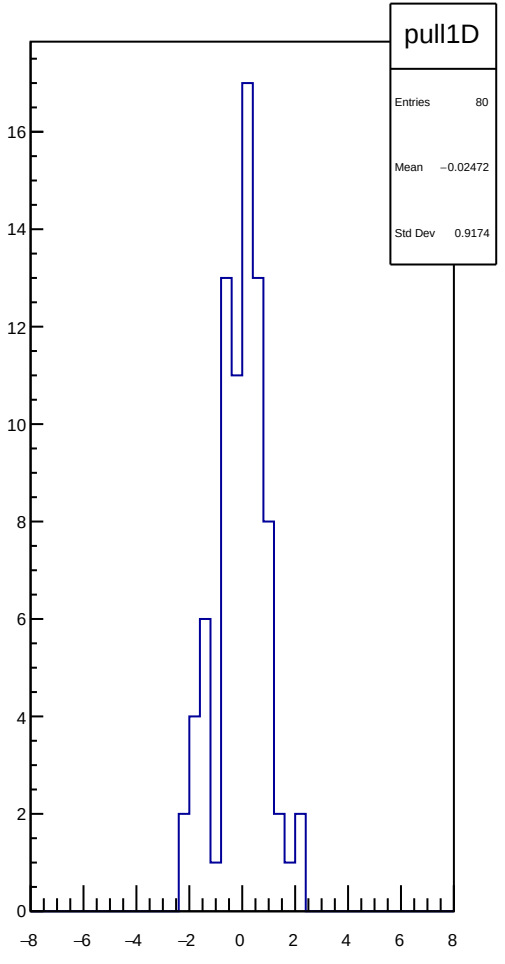

dit_asym_at1_dd_rms vs run
χ² / ndf 8336 / 79
p0 1813 ± 1.441
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

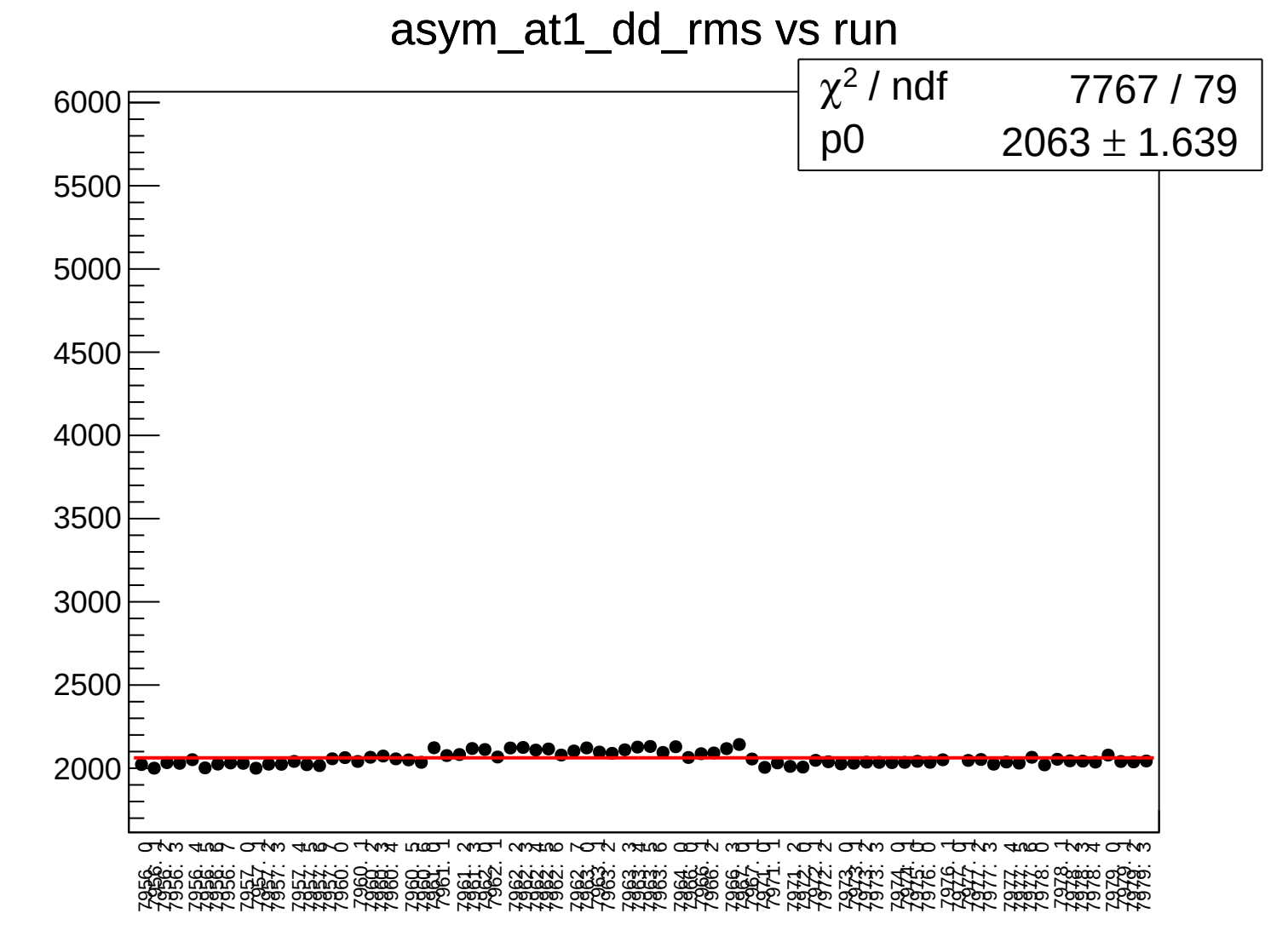

asym_at1_dd_correction_mean vs run
χ² / ndf 93.64 / 79
p0 −1721 ± 1101
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −984.8
Std Dev 956.4
2
1
0
−1
−2

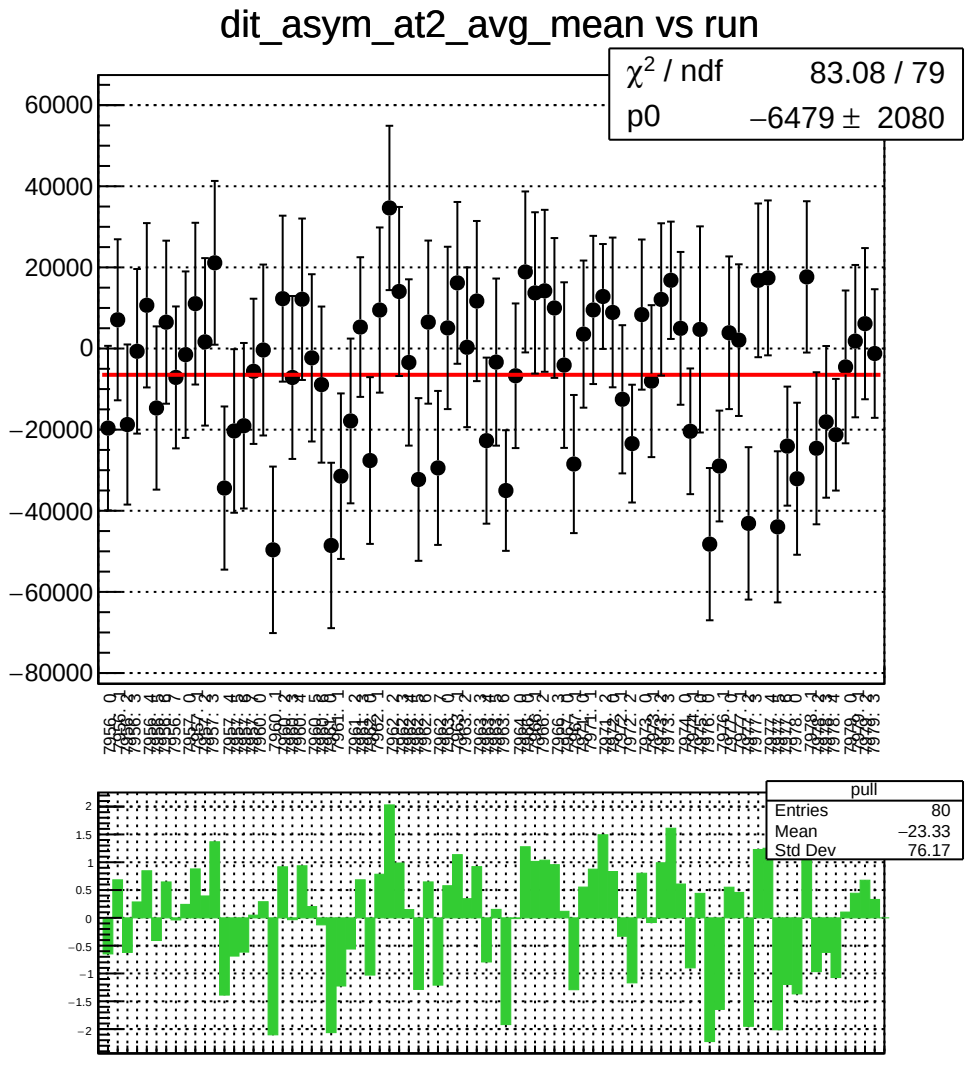

pull1D
Entries 80
Mean 0.0006439
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

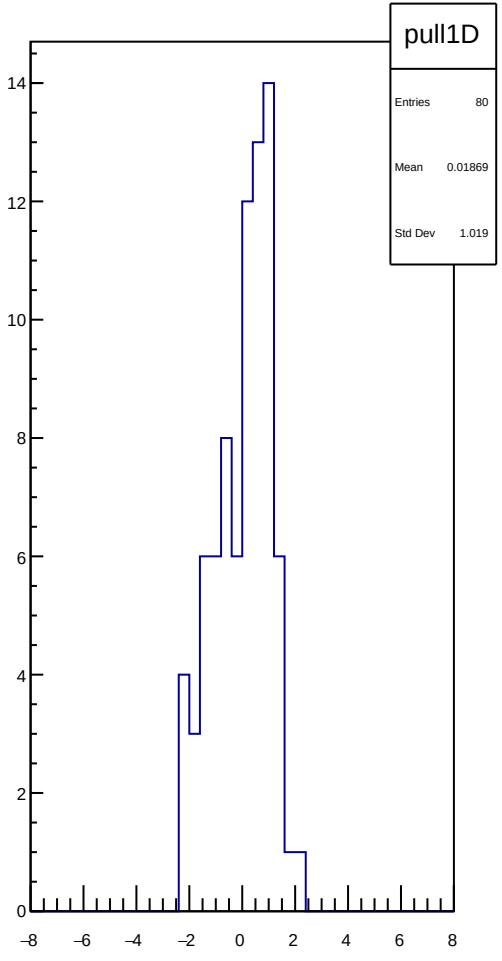

asym_at1_dd_correction_rms vs run
χ² / ndf 2168 / 79
p0 981.2 ± 0.7782
1100
1050
1000
950
900

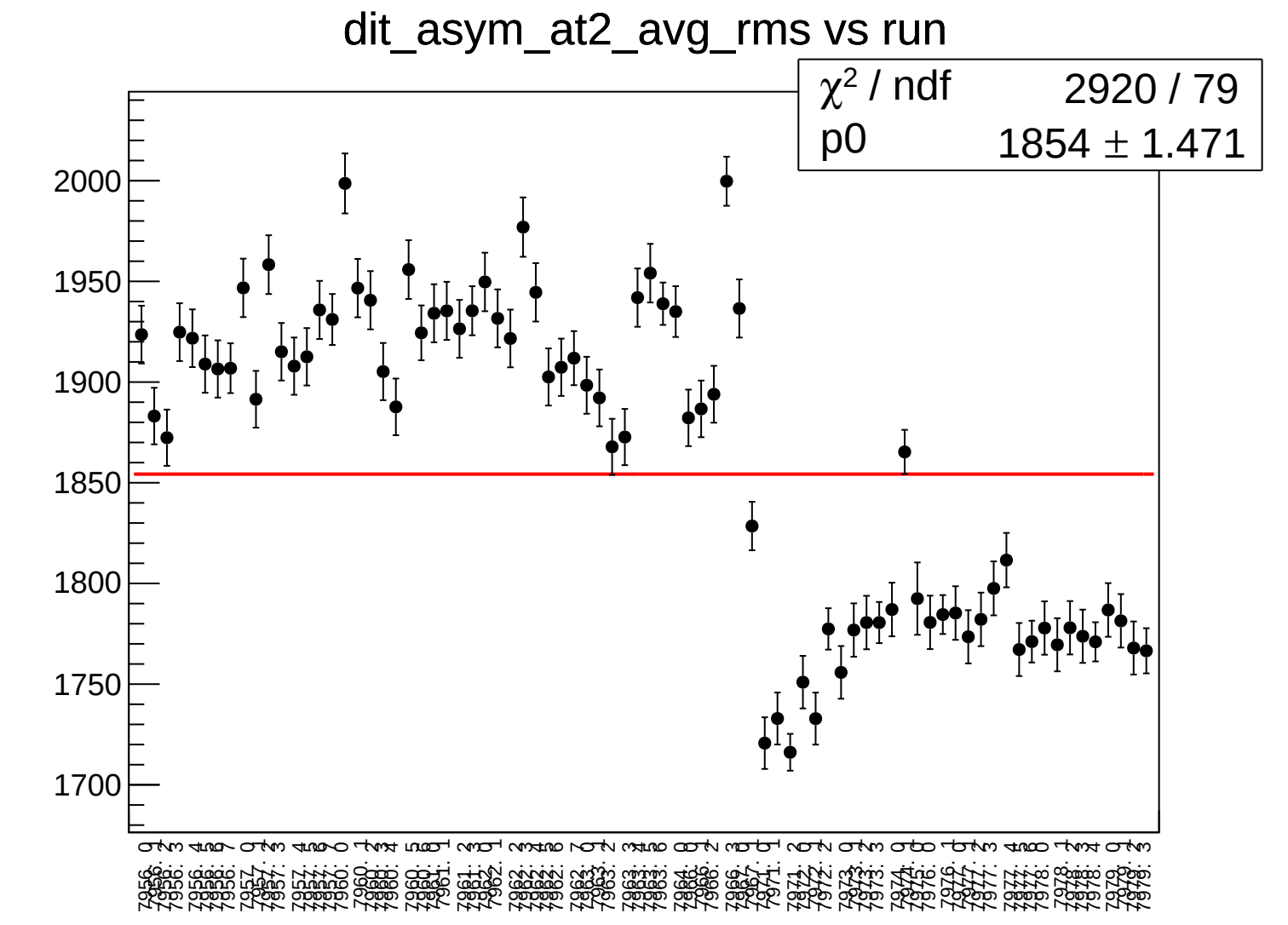

asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.38 / 79
p0 274.9 ± 2317
50
0
−50
−100
−150
pull
Entries 80
Mean −17.52
Std Dev 13.85
2
1
0
−1
−2

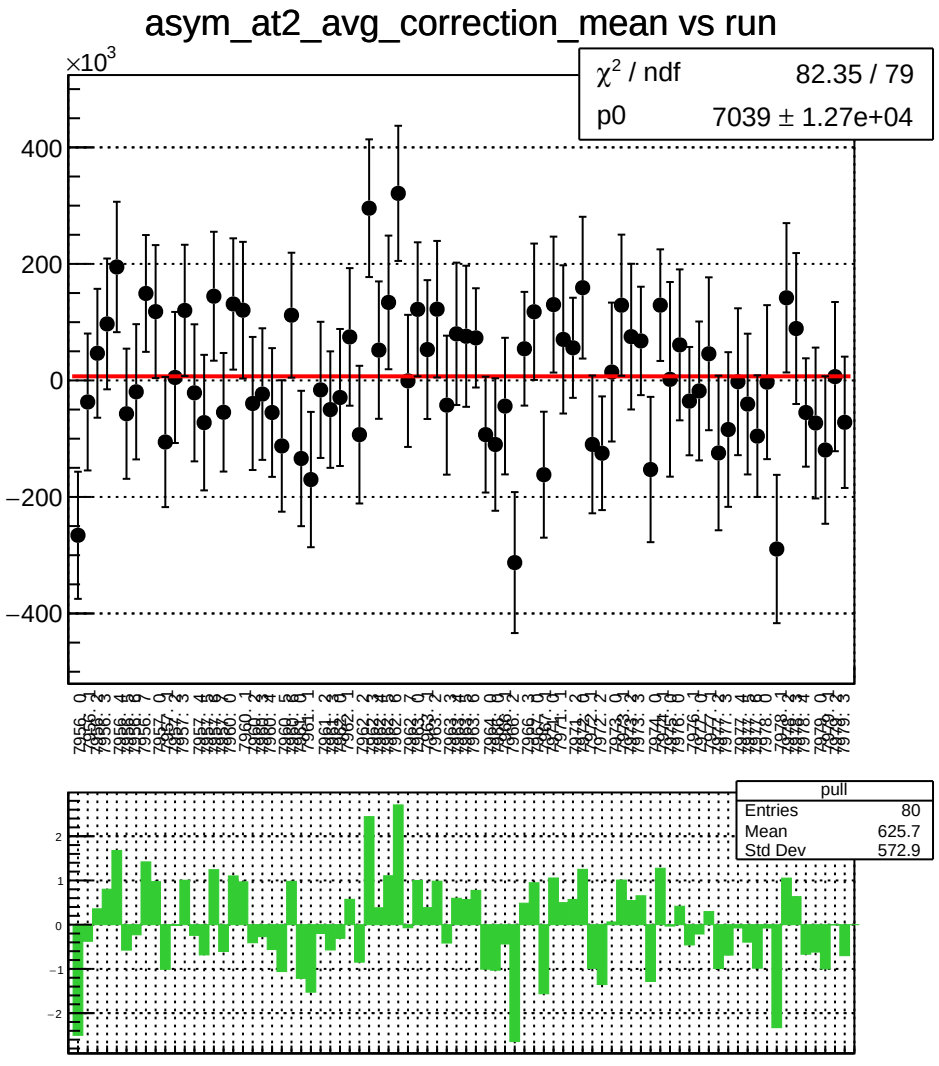

pull1D
Entries 80
Mean −0.02472
Std Dev 0.9174
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

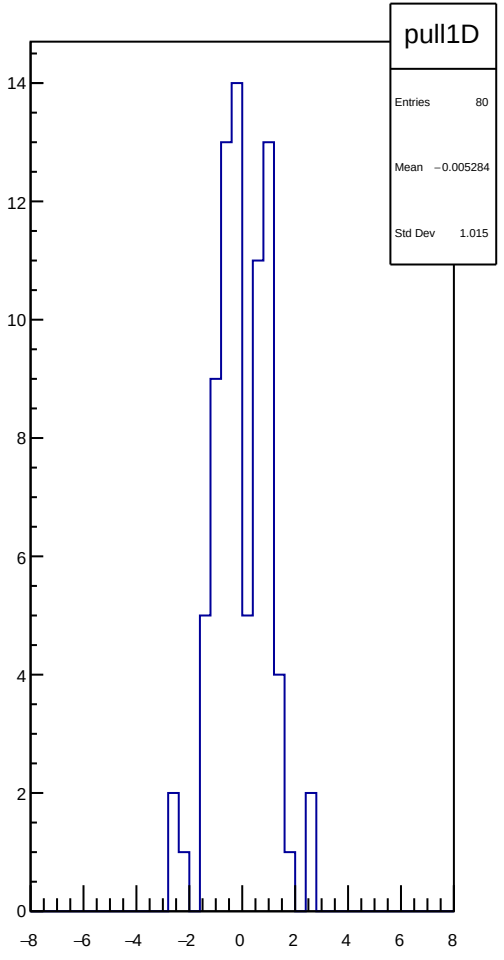

asym_at1_dd_rms vs run
χ^2 / ndf 7767 / 79
p0 2063 ± 1.639
6000
5500
5000
4500
4000
3500
3000
2500
2000


dit_asym_at2_avg_mean vs run
χ² / ndf 83.08 / 79
p0 −6479 ± 2080
pull
Entries 80
Mean −23.33
Std Dev 76.17

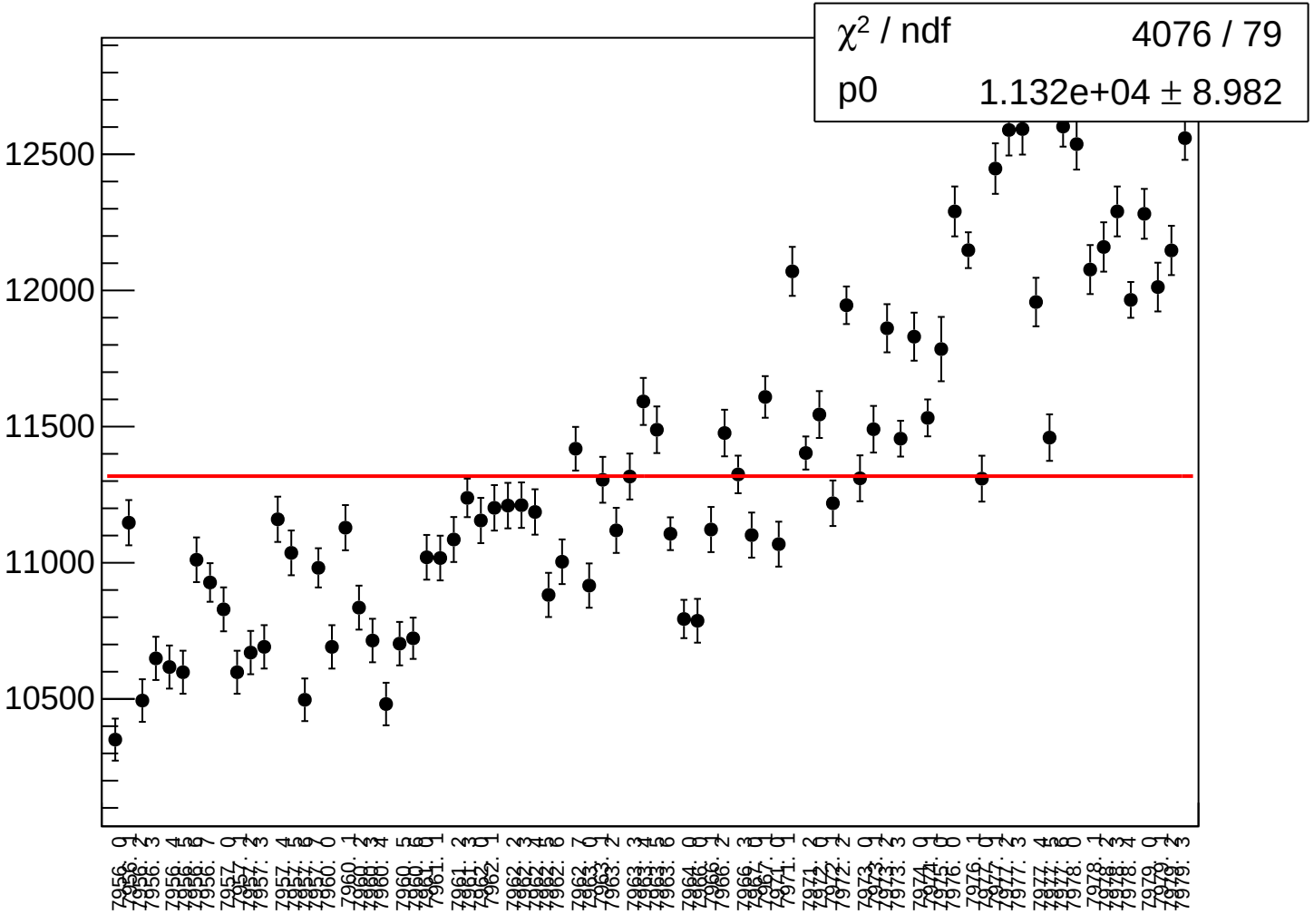

pull1D
Entries 80
Mean 0.01869
Std Dev 1.019

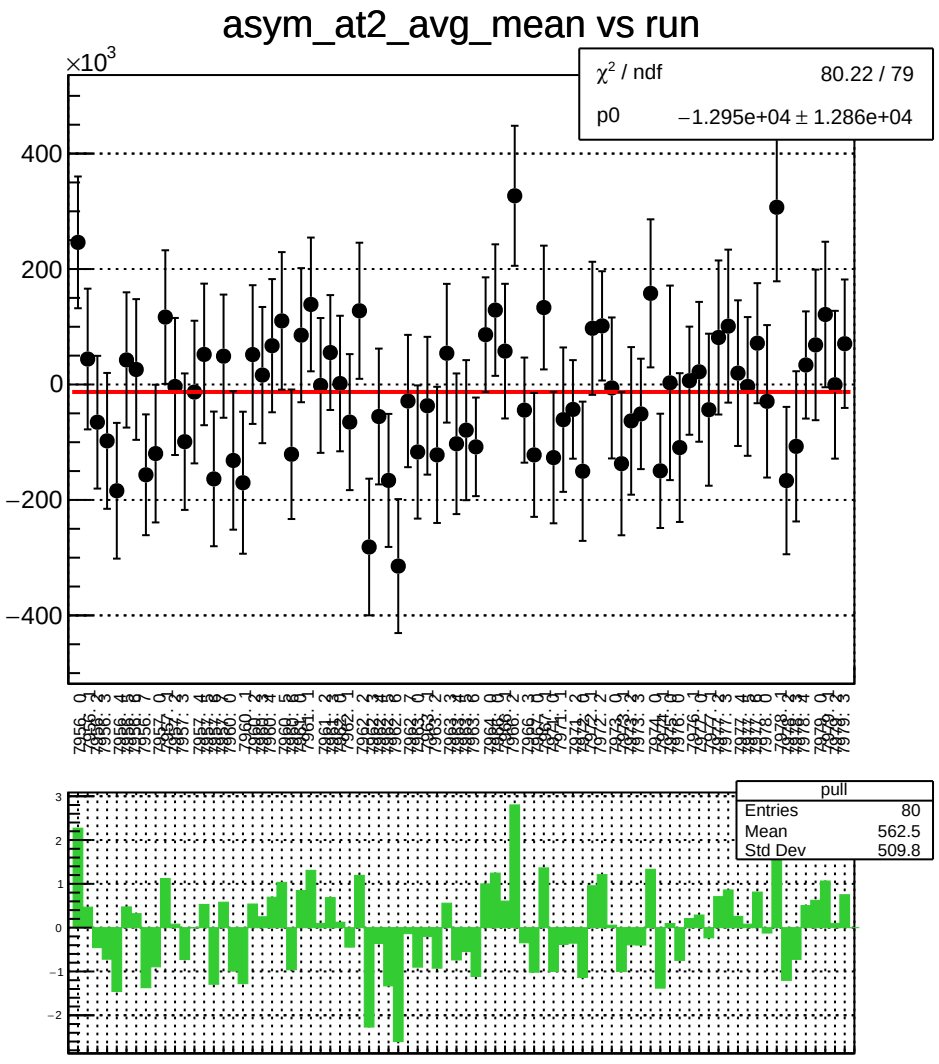

dit_asym_at2_avg_rms vs run
χ^2 / ndf 2920 / 79
p0 1854 ± 1.471
2000
1950
1900
1850
1800
1750
1700

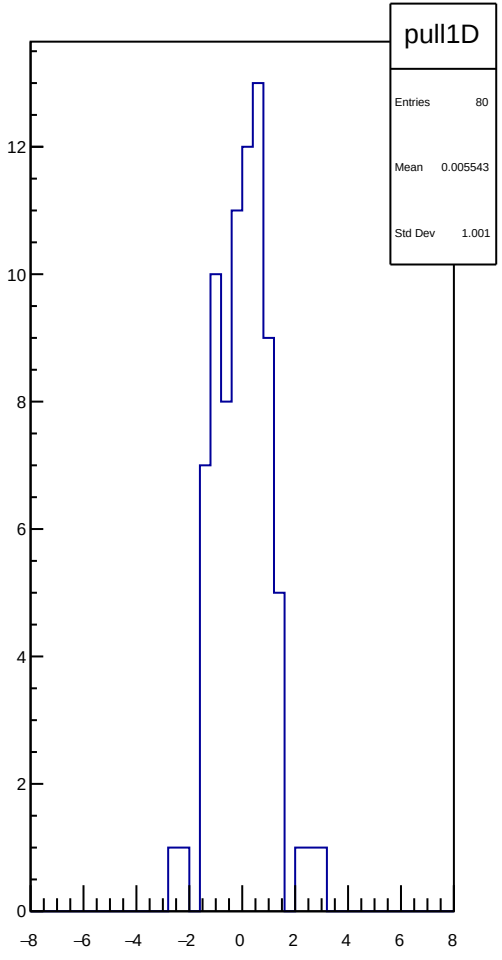

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 82.35 / 79
p0 7039 ± 1.27e+04
400
200
0
−200
−400
pull
Entries 80
Mean 625.7
Std Dev 572.9
2
1
0
−1
−2

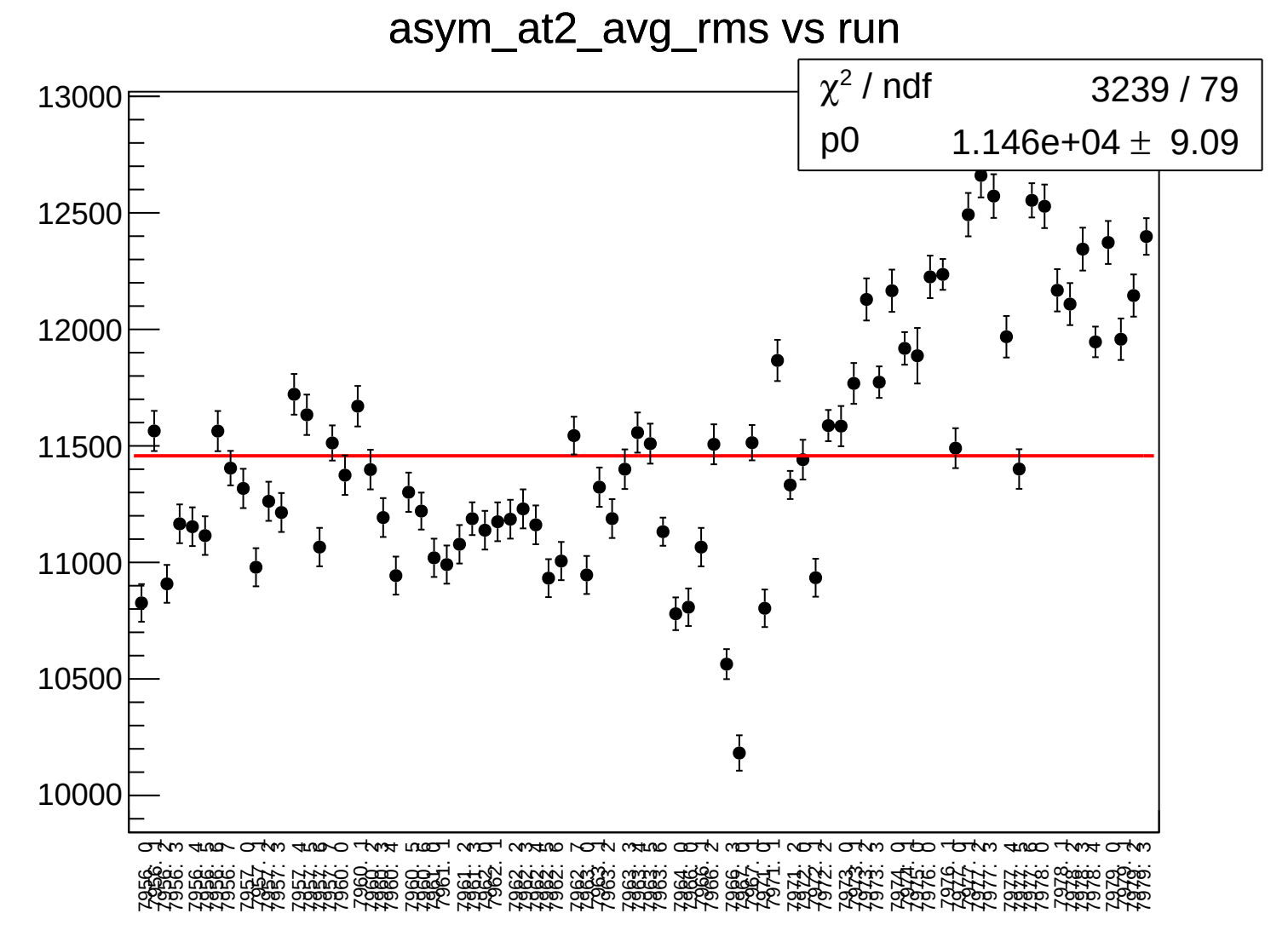

pull1D
Entries 80
Mean −0.005284
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

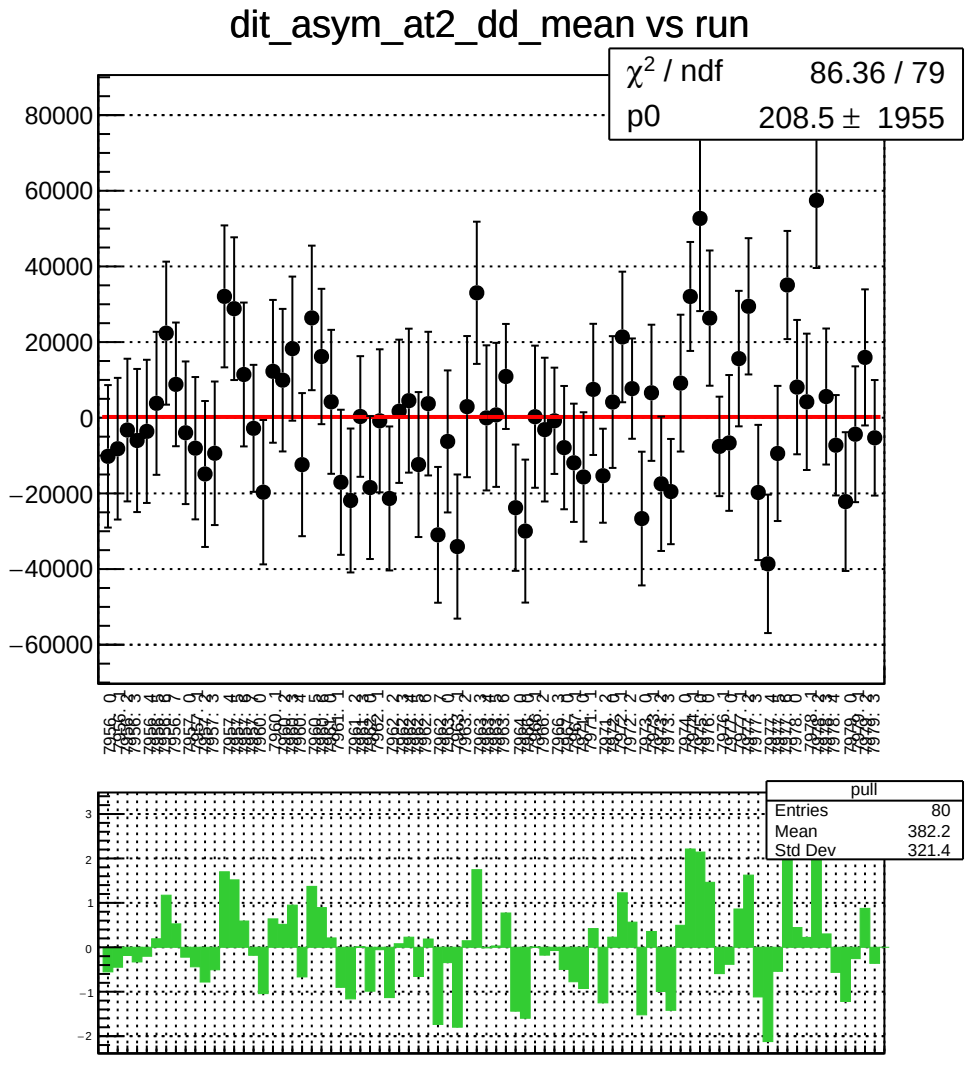
asym_at2_avg_correction_rms vs run

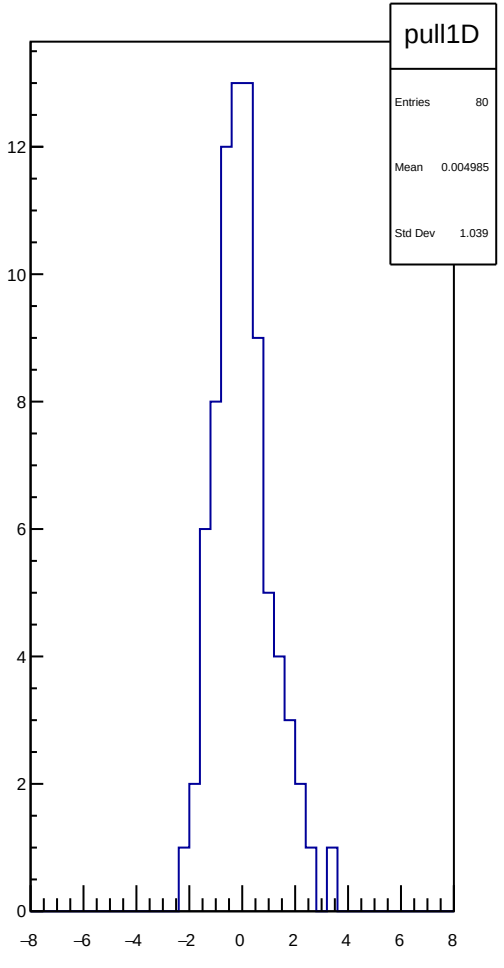


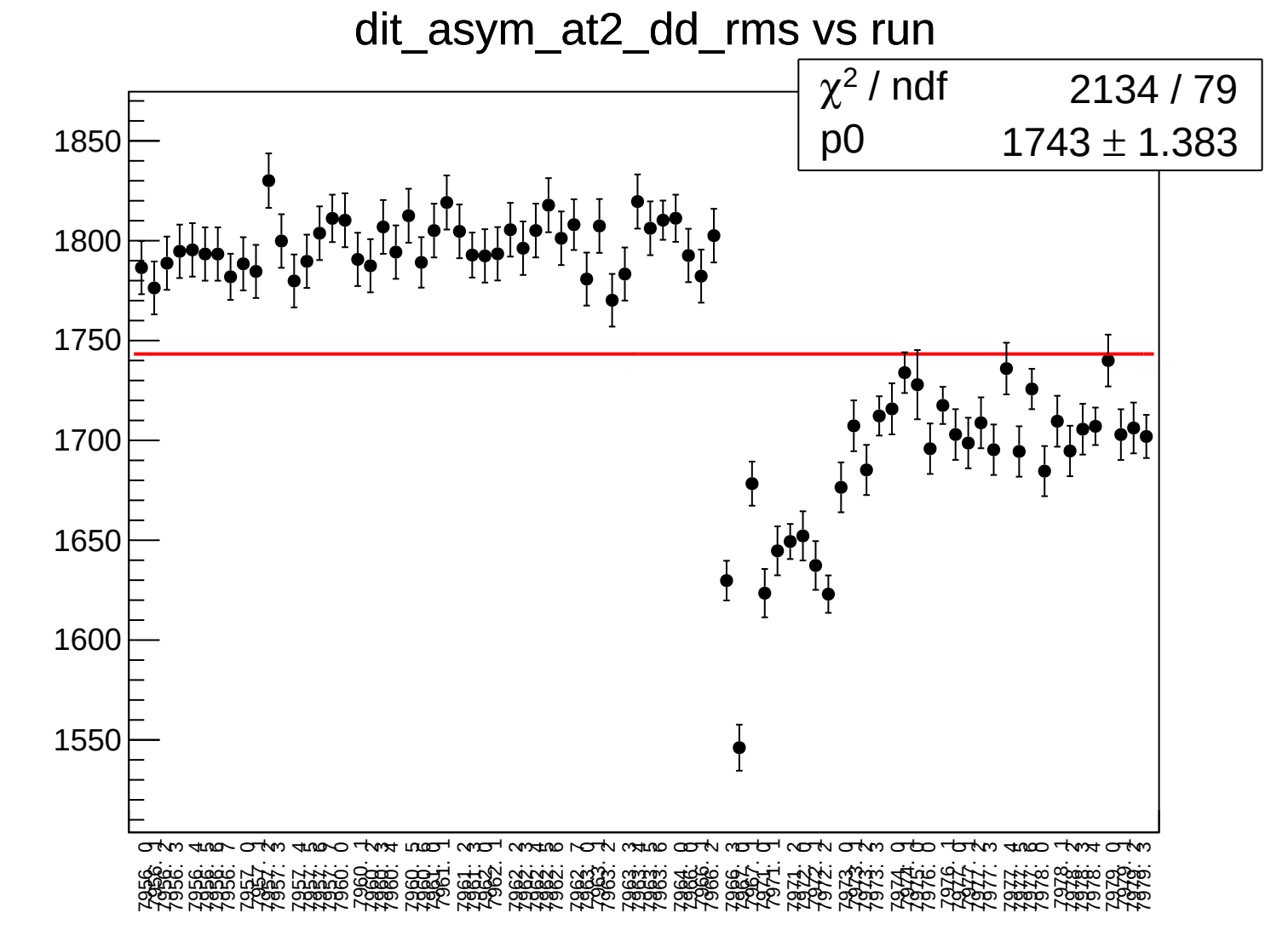

asym_at2_avg_mean vs run
×10^3
χ² / ndf 80.22 / 79
p0 −1.295e+04 ± 1.286e+04
pull
Entries 80
Mean 562.5
Std Dev 509.8

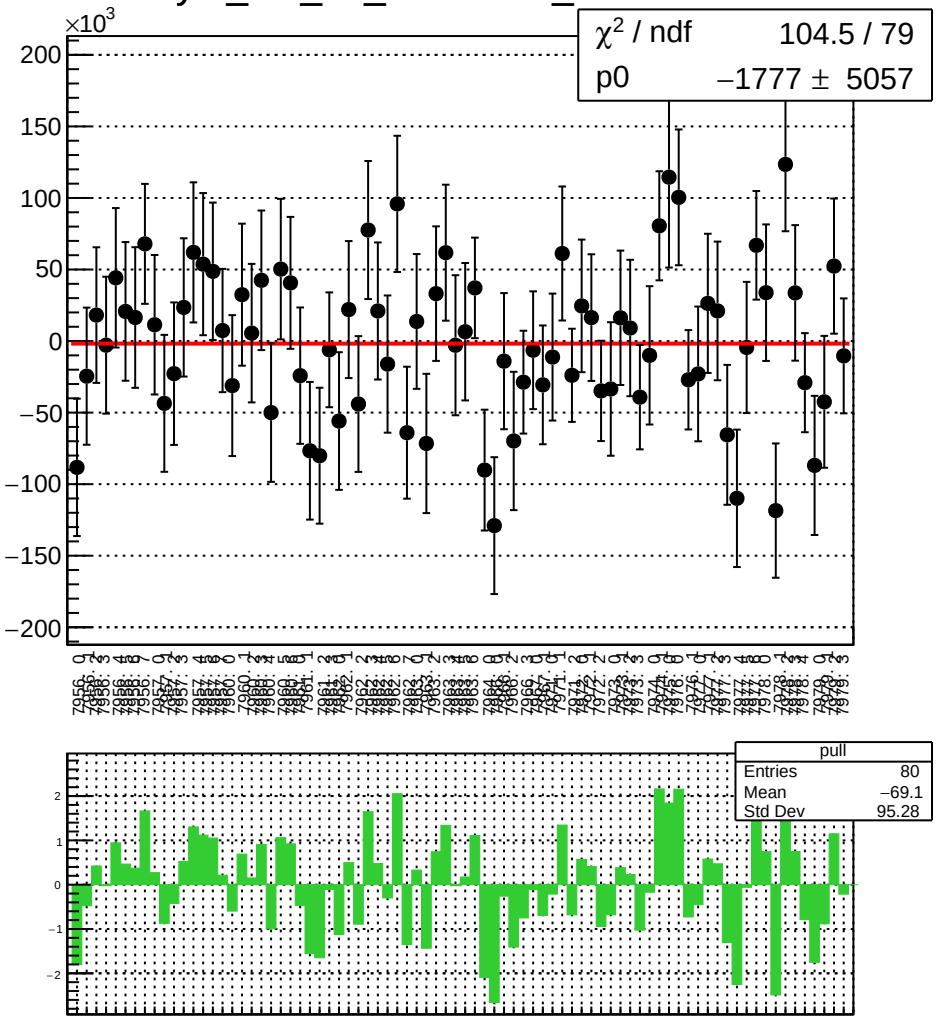

pull1D
Entries 80
Mean 0.005543
Std Dev 1.001

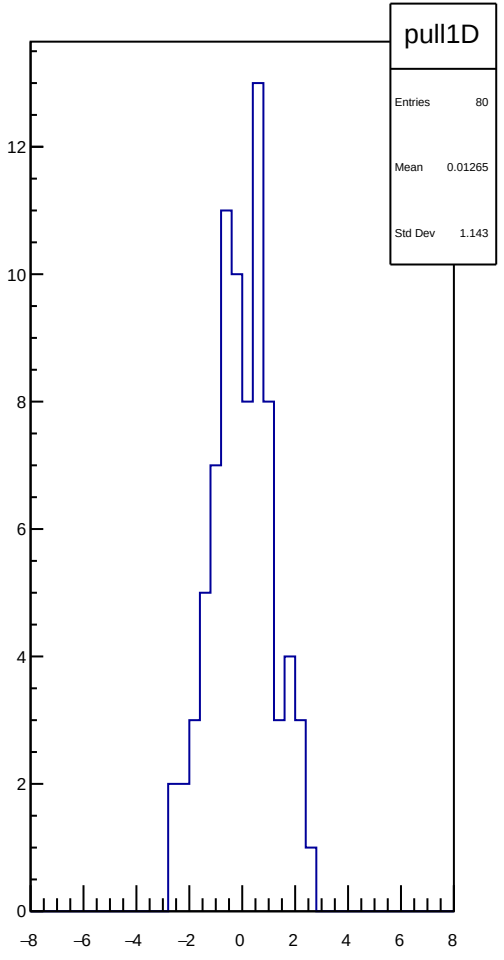

asym_at2_avg_rms vs run
χ² / ndf 3239 / 79
p0 1.146e+04 ± 9.09
13000
12500
12000
11500
11000
10500
10000

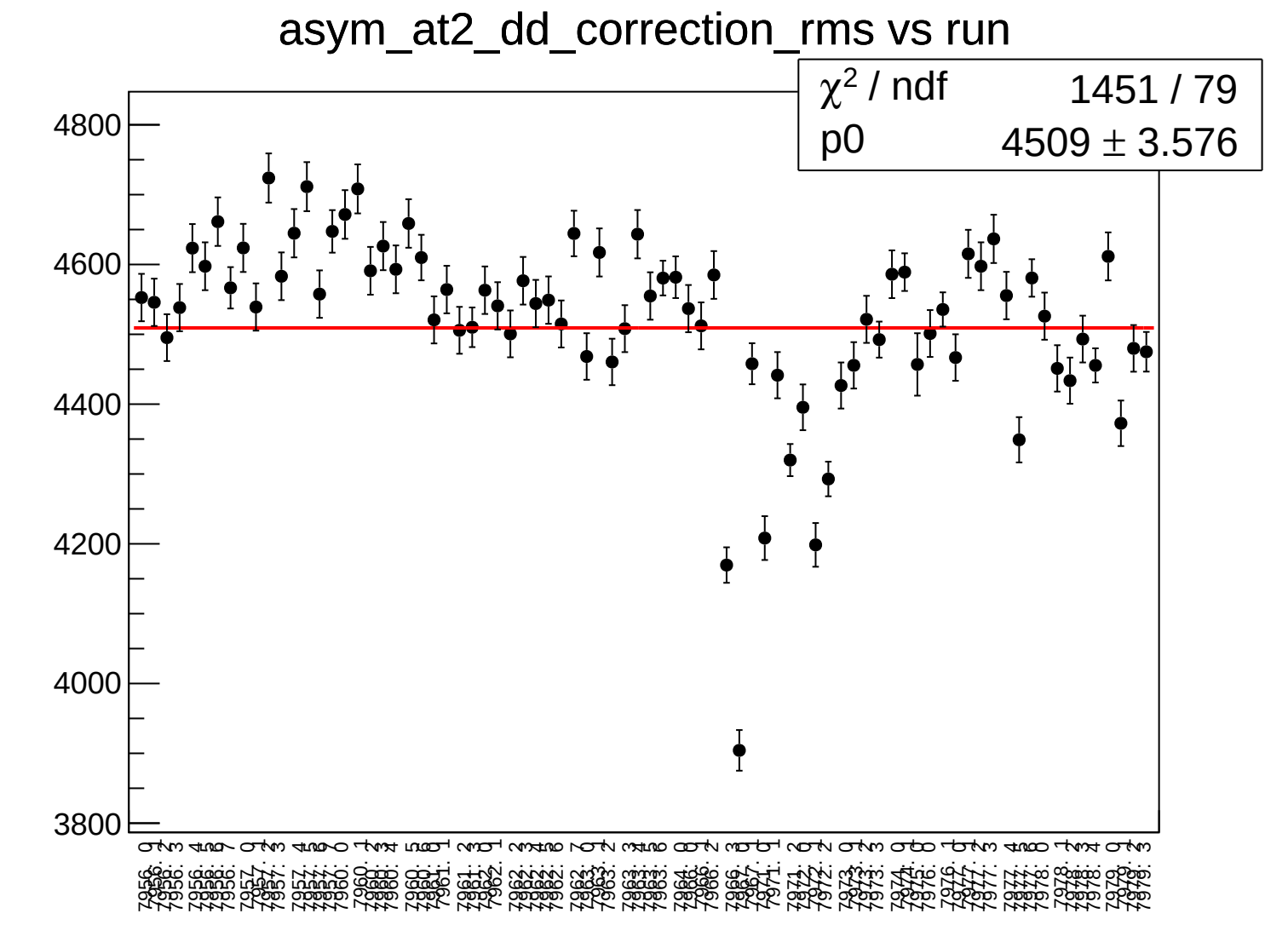

dit_asym_at2_dd_mean vs run
χ² / ndf 86.36 / 79
p0 208.5 ± 1955
pull
Entries 80
Mean 382.2
Std Dev 321.4

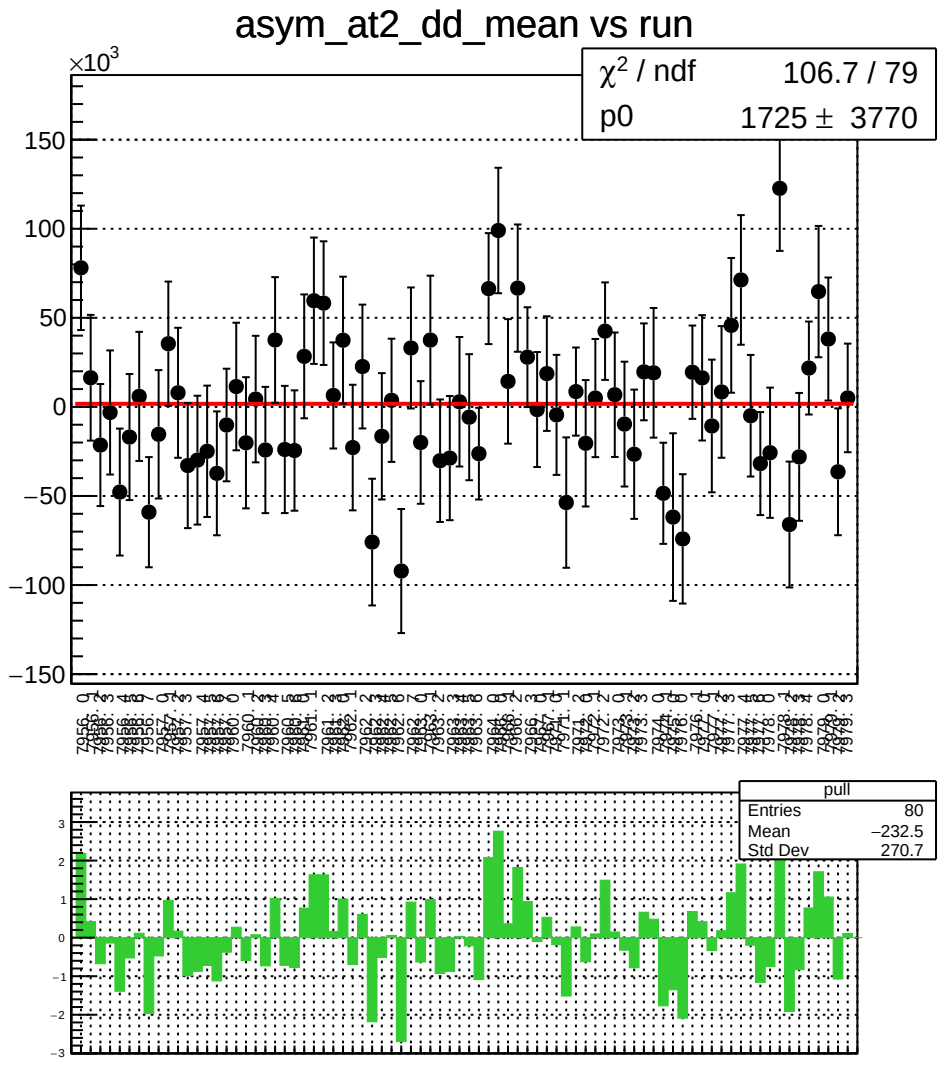

pull1D
Entries 80
Mean 0.004985
Std Dev 1.039

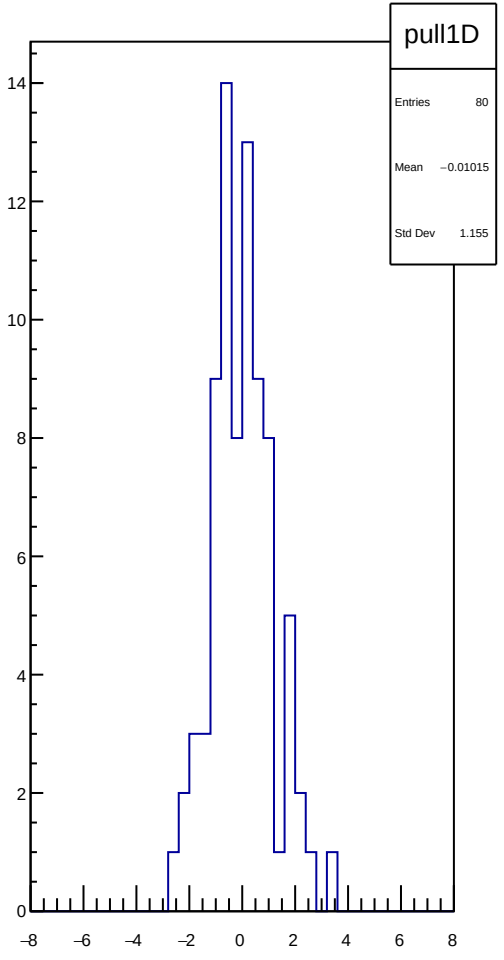

dit_asym_at2_dd_rms vs run
χ^2 / ndf 2134 / 79
p0 1743 ± 1.383
1850
1800
1750
1700
1650
1600
1550

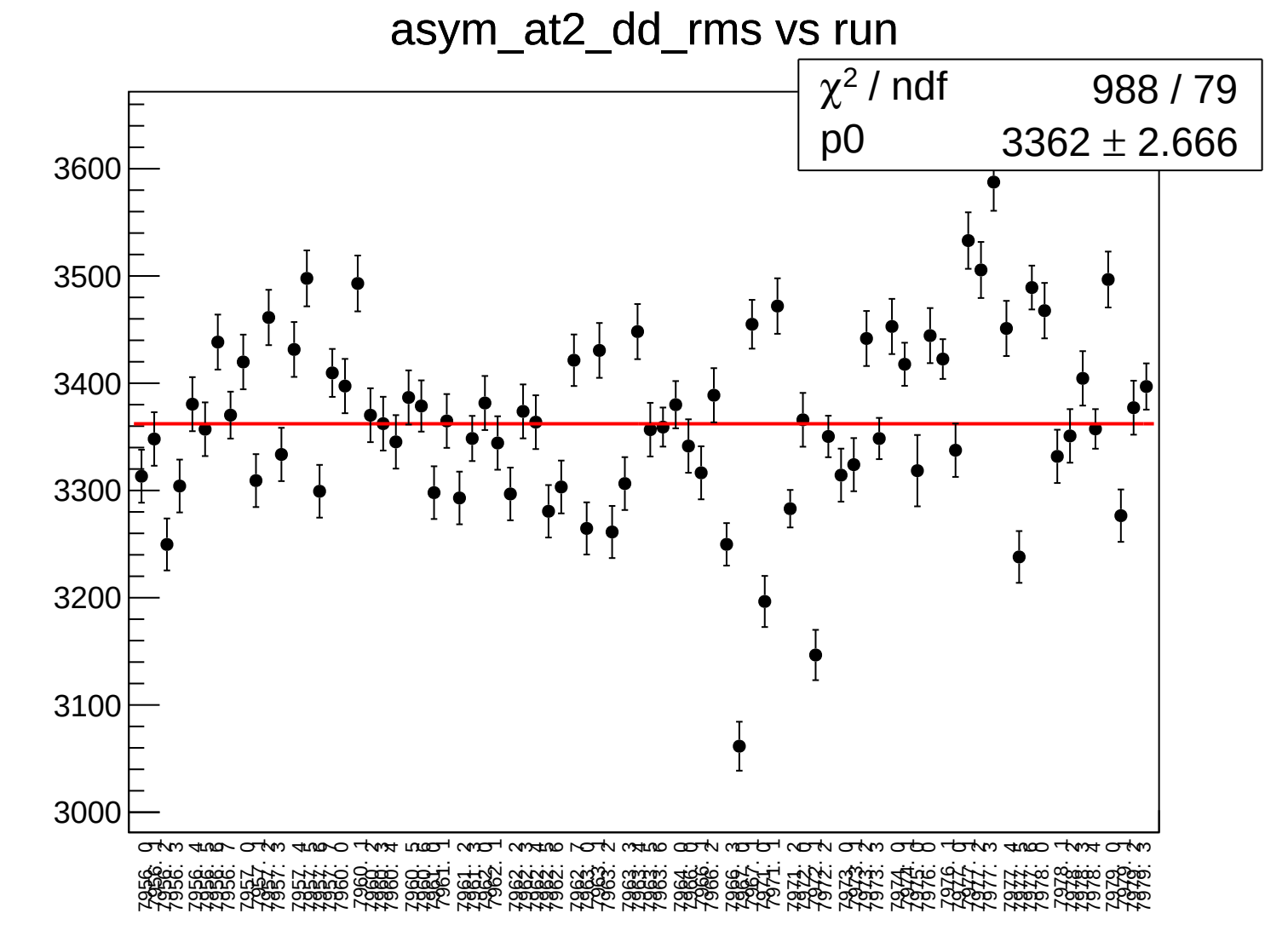

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 104.5 / 79
p0 −1777 ± 5057
pull
Entries 80
Mean −69.1
Std Dev 95.28

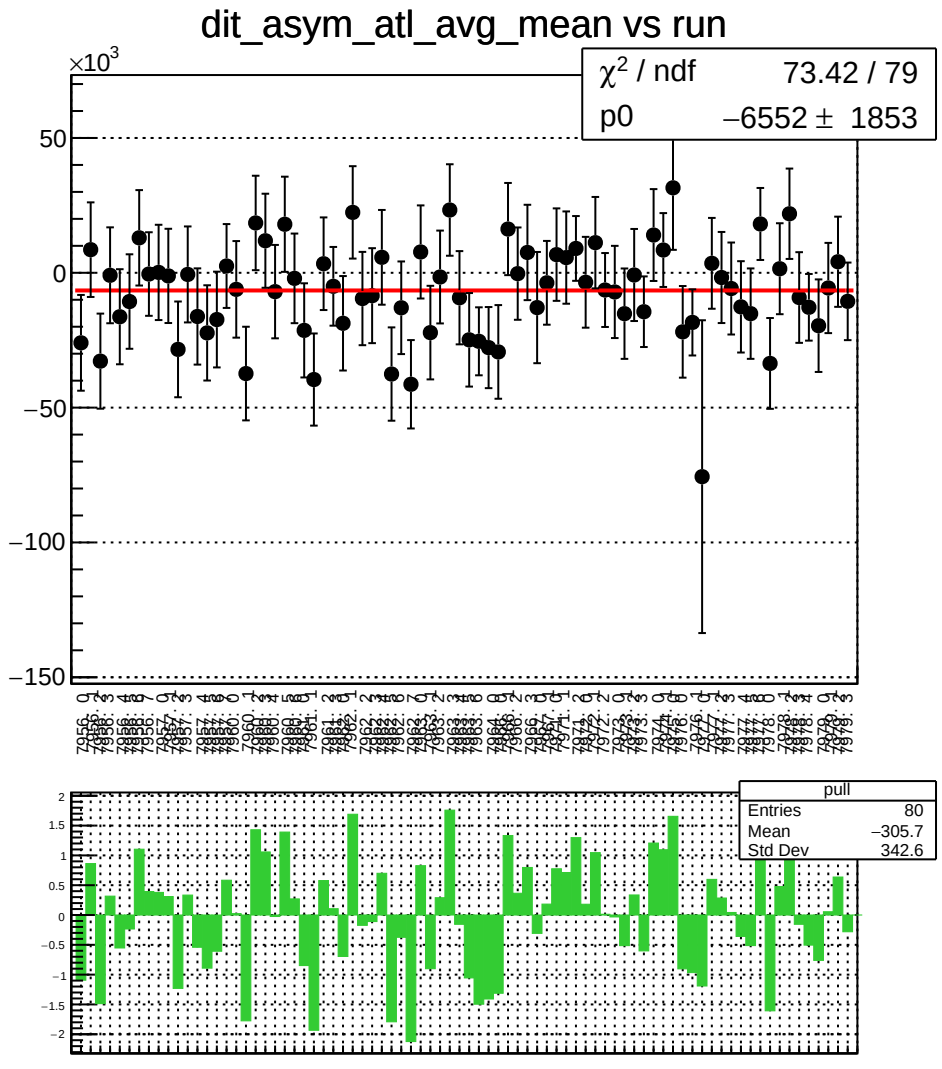

pull1D
Entries 80
Mean 0.01265
Std Dev 1.143

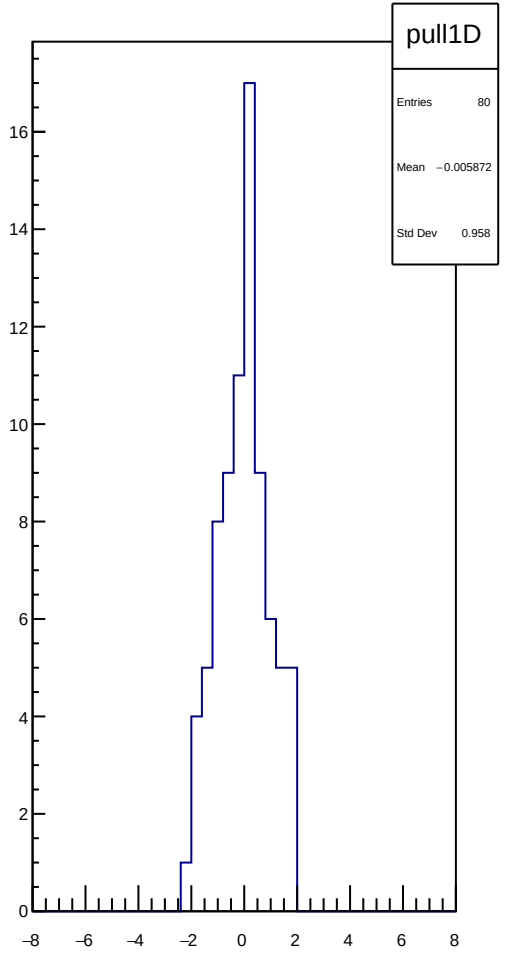

asym_at2_dd_correction_rms vs run
χ² / ndf 1451 / 79
p0 4509 ± 3.576
4800
4600
4400
4200
4000
3800

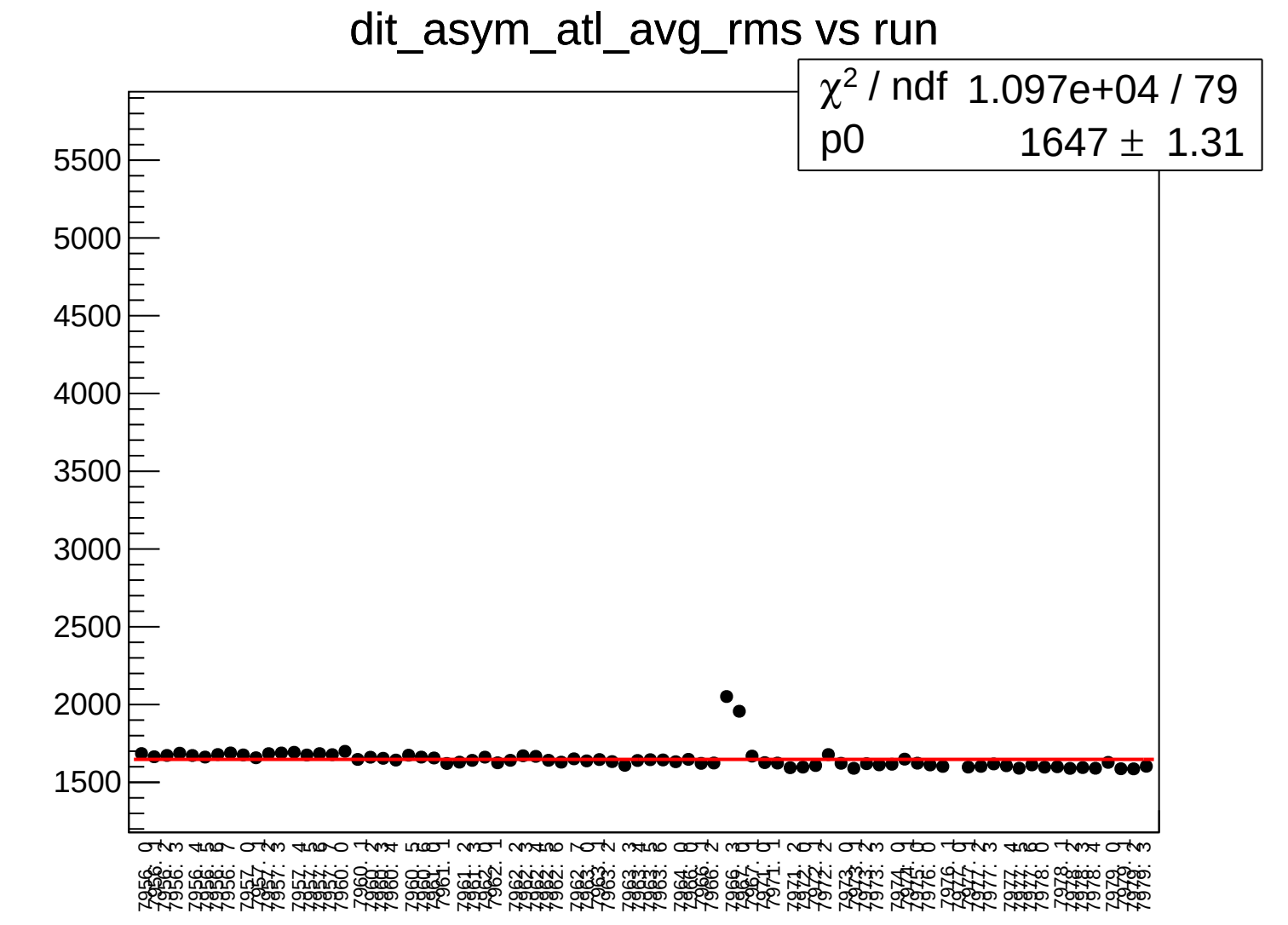

asym_at2_dd_mean vs run
×10^3
χ² / ndf 106.7 / 79
p0 1725 ± 3770
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −232.5
Std Dev 270.7
3
2
1
0
−1
−2
−3

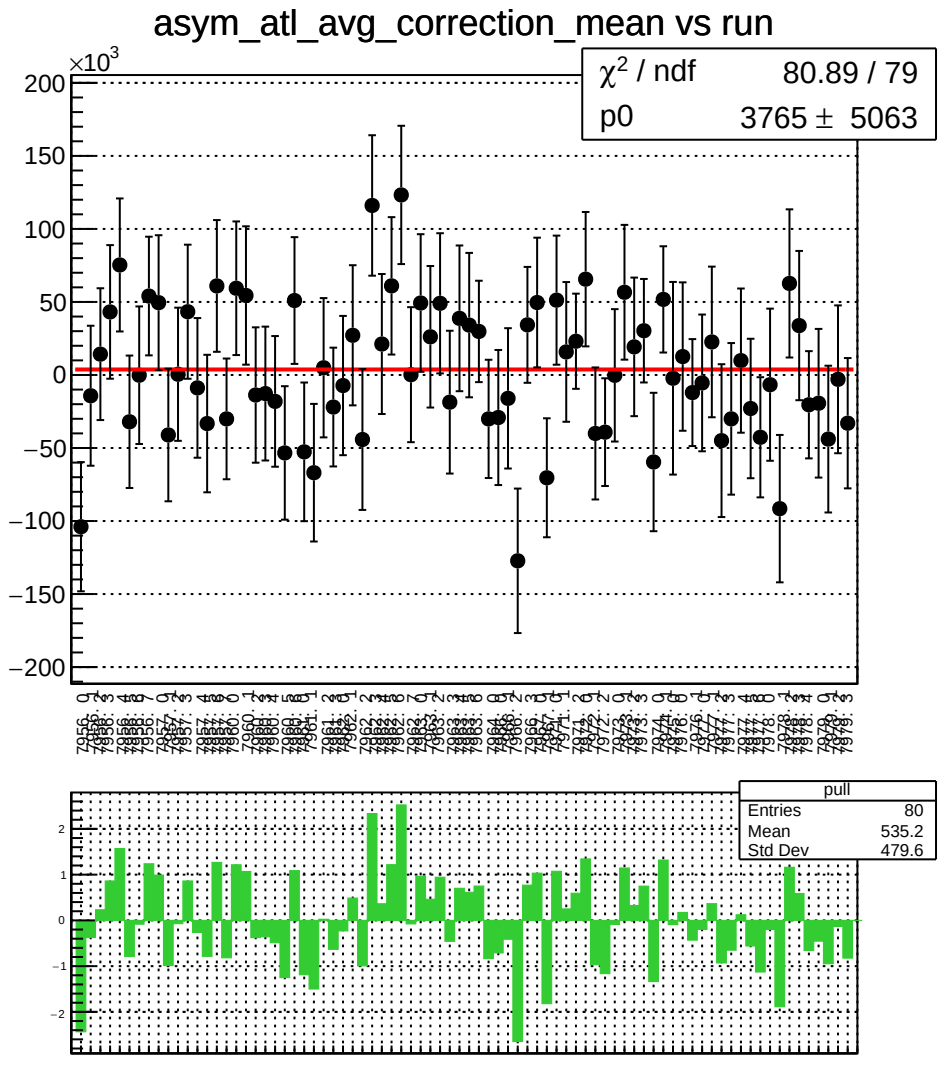

pull1D
Entries 80
Mean −0.01015
Std Dev 1.155
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

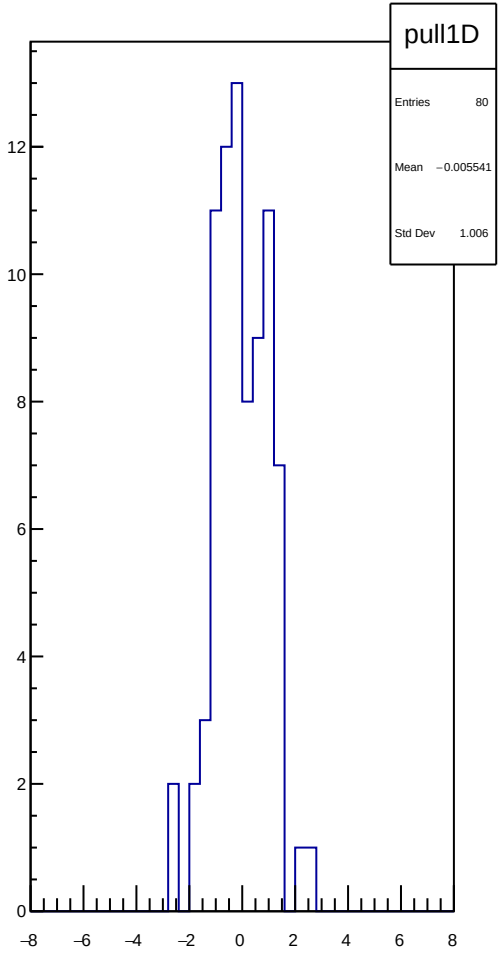

asym_at2_dd_rms vs run
χ² / ndf 988 / 79
p0 3362 ± 2.666
3600
3500
3400
3300
3200
3100
3000

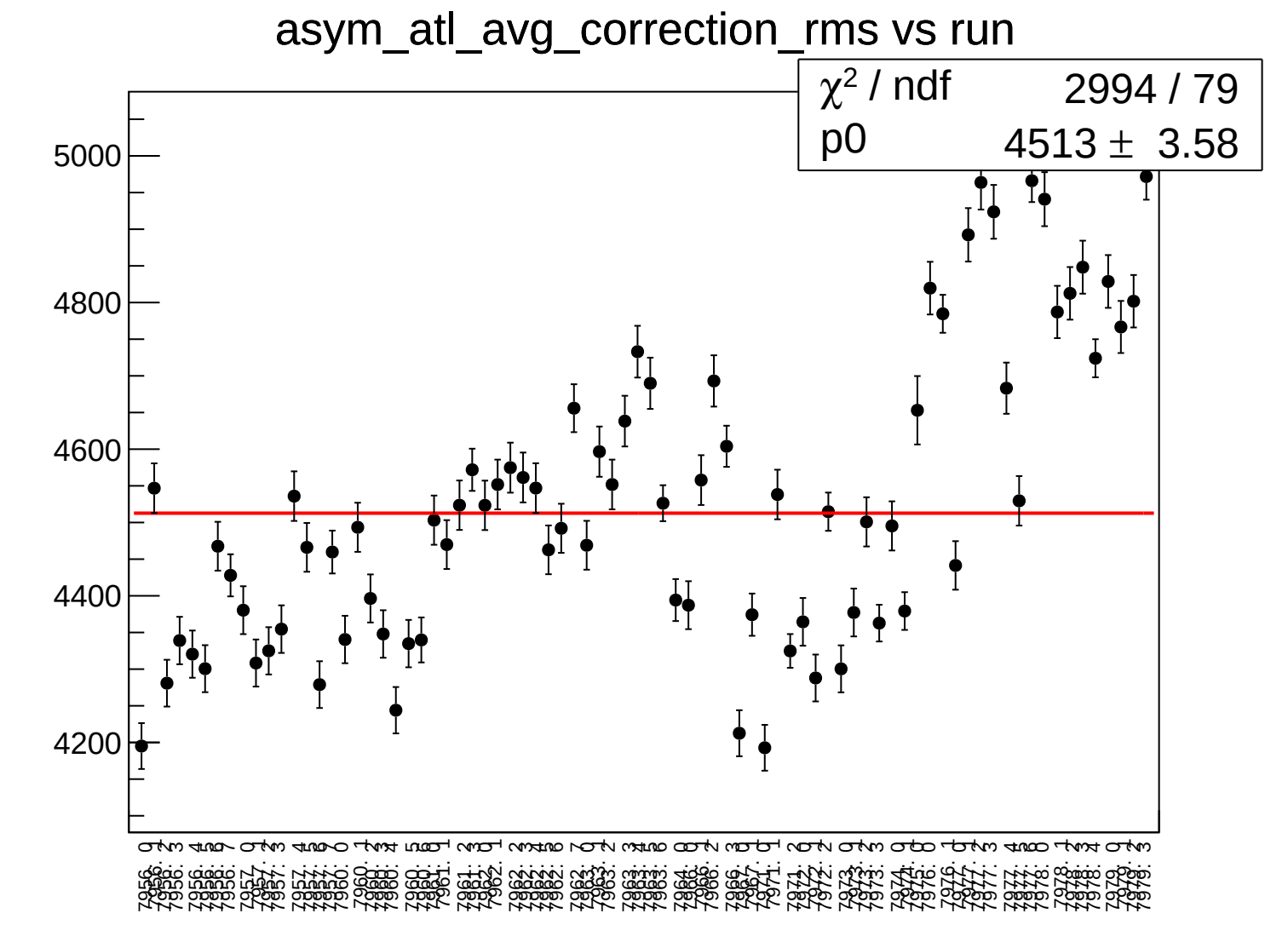

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 73.42 / 79
p0 −6552 ± 1853
50
0
−50
−100
−150
pull
Entries 80
Mean −305.7
Std Dev 342.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

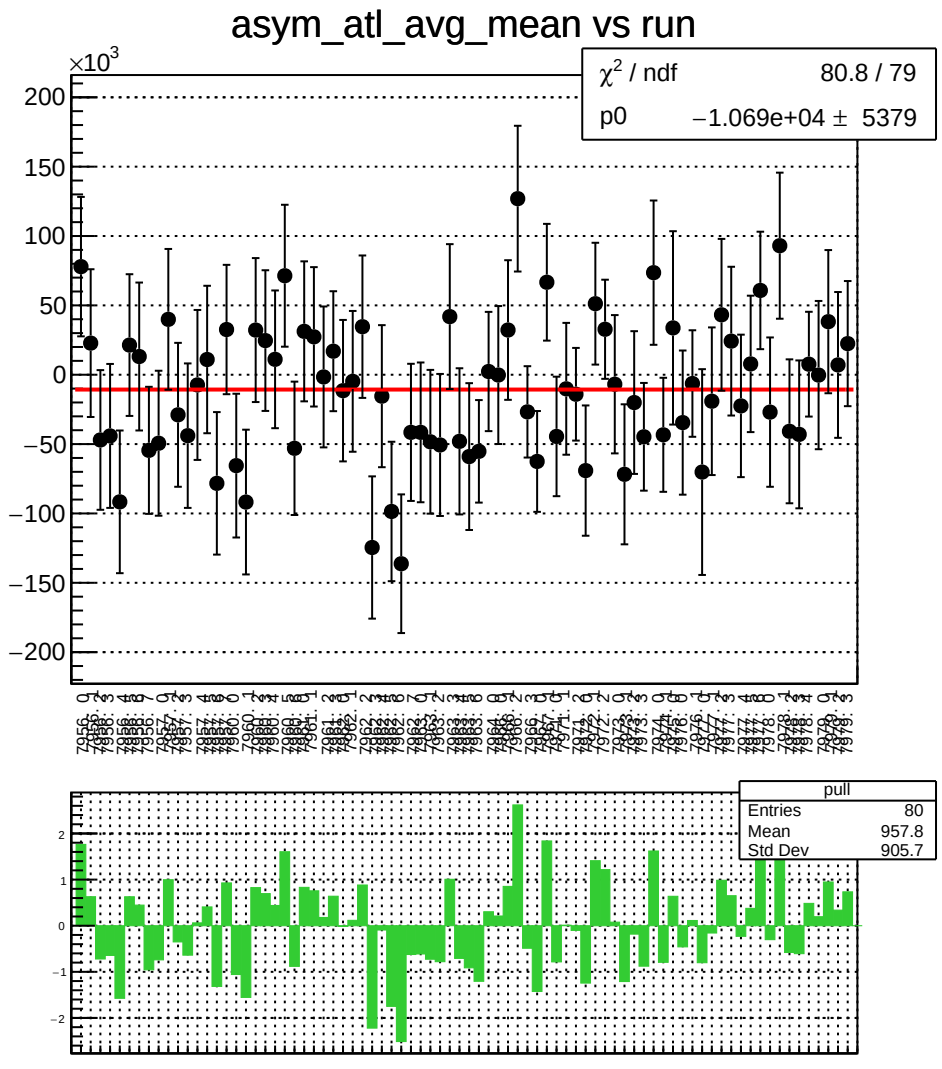

pull1D
Entries 80
Mean −0.005872
Std Dev 0.958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

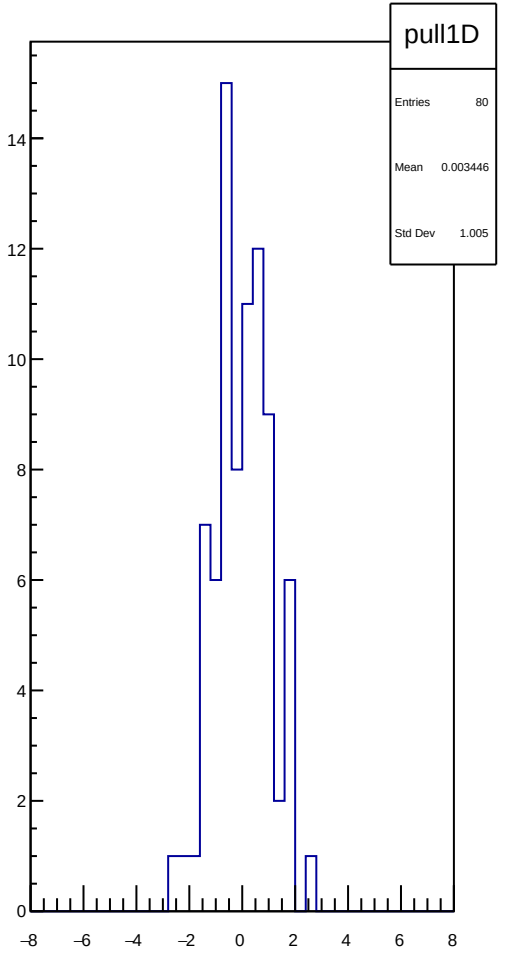

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.097e+04 / 79
p0 1647 ± 1.31
5500
5000
4500
4000
3500
3000
2500
2000
1500

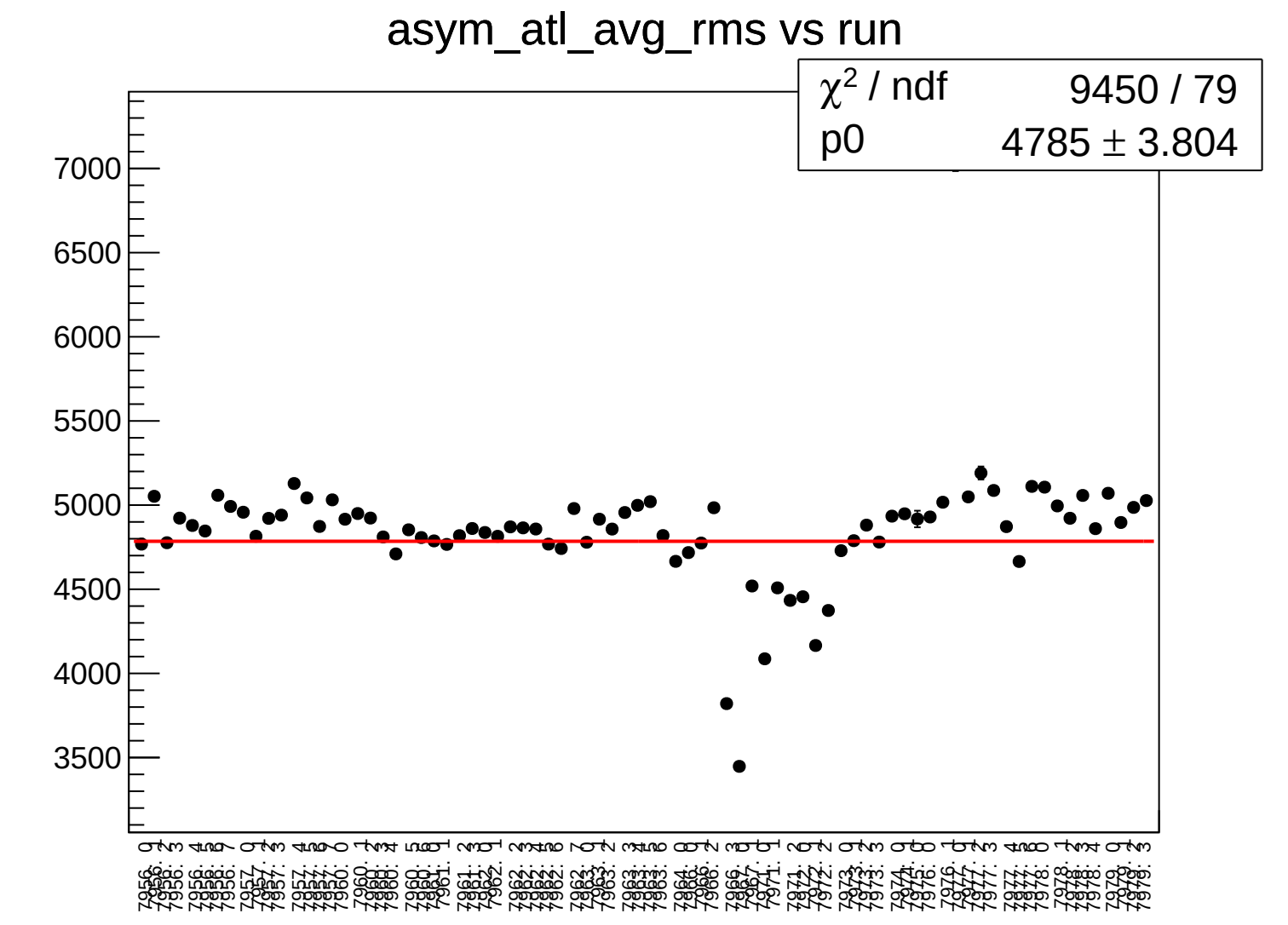

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 80.89 / 79
p0 3765 ± 5063
pull
Entries 80
Mean 535.2
Std Dev 479.6

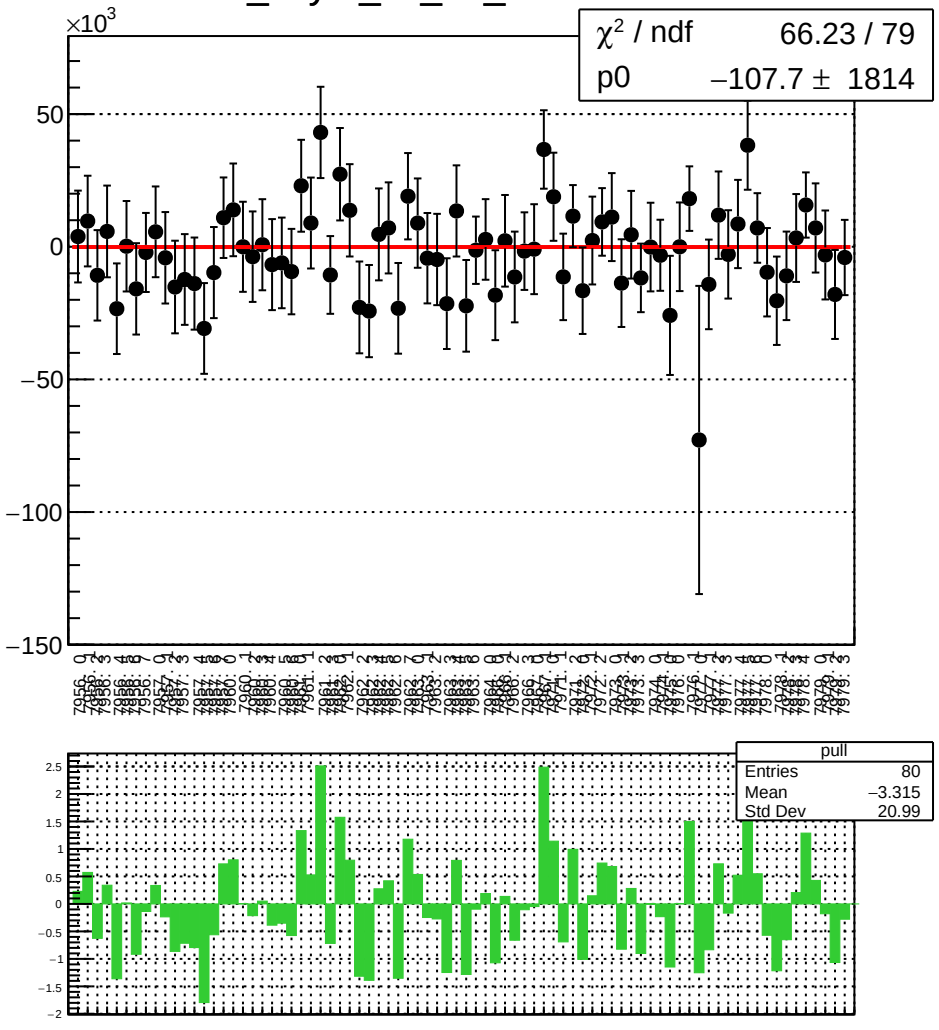

pull1D
Entries 80
Mean −0.005541
Std Dev 1.006

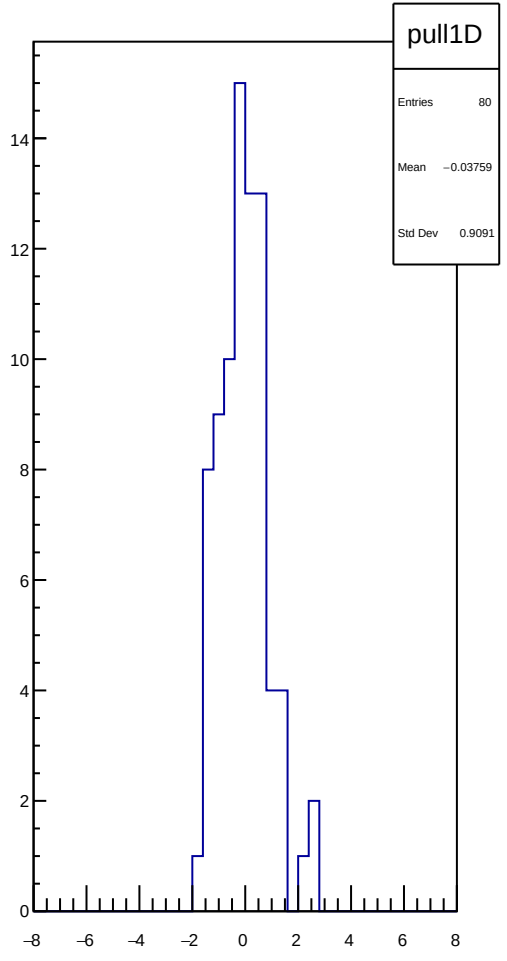

asym_atl_avg_correction_rms vs run
χ² / ndf 2994 / 79
p0 4513 ± 3.58
5000
4800
4600
4400
4200

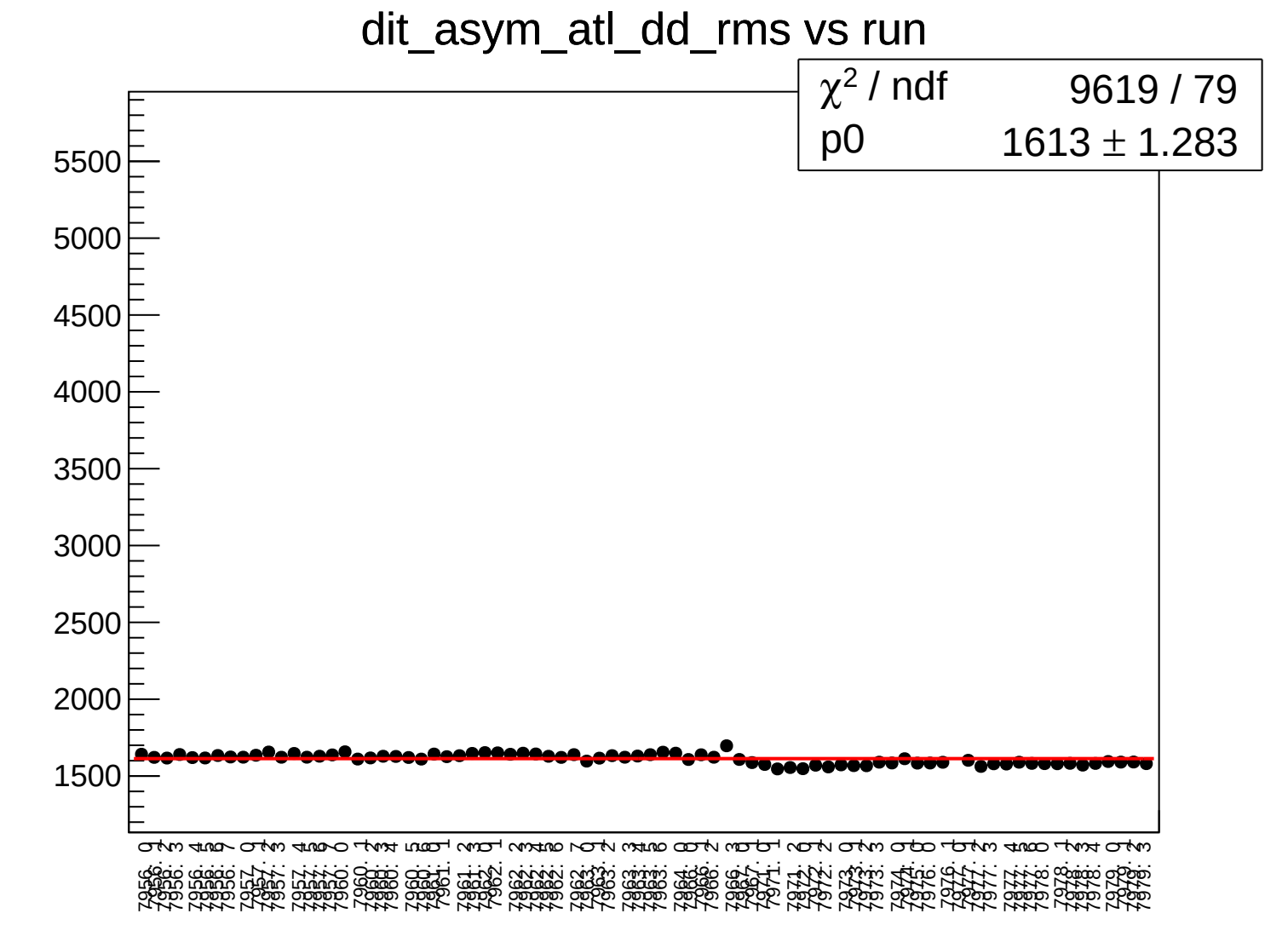

asym_atl_avg_mean vs run
×10^3
χ² / ndf 80.8 / 79
p0 −1.069e+04 ± 5379
pull
Entries 80
Mean 957.8
Std Dev 905.7

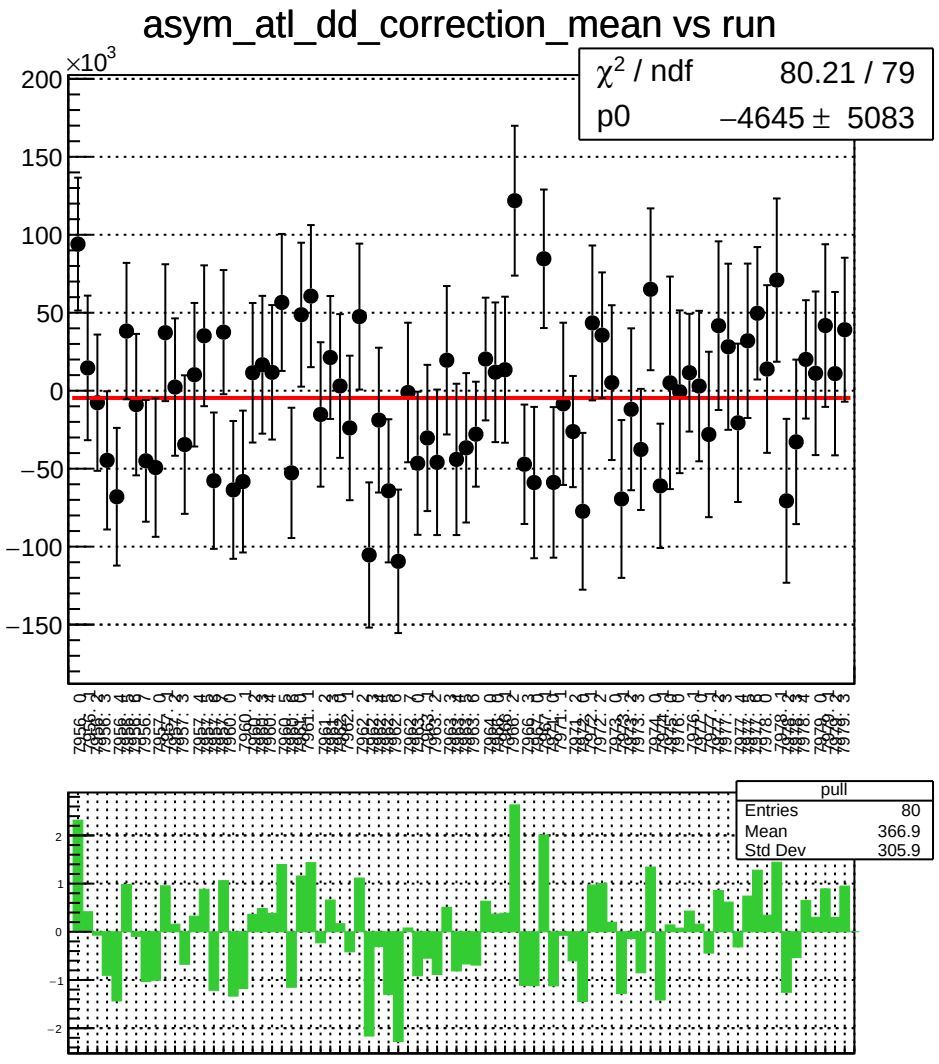

pull1D
Entries 80
Mean 0.003446
Std Dev 1.005

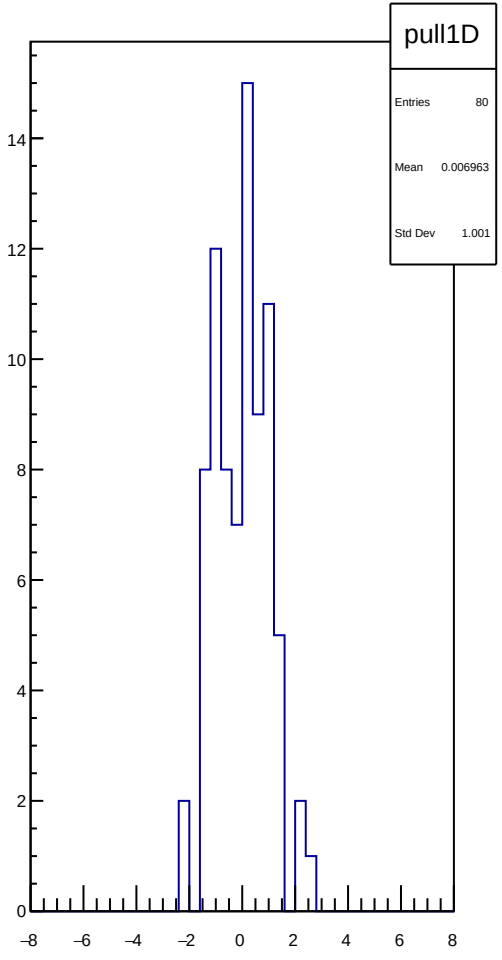

asym_atl_avg_rms vs run
χ² / ndf 9450 / 79
p0 4785 ± 3.804
7000
6500
6000
5500
5000
4500
4000
3500

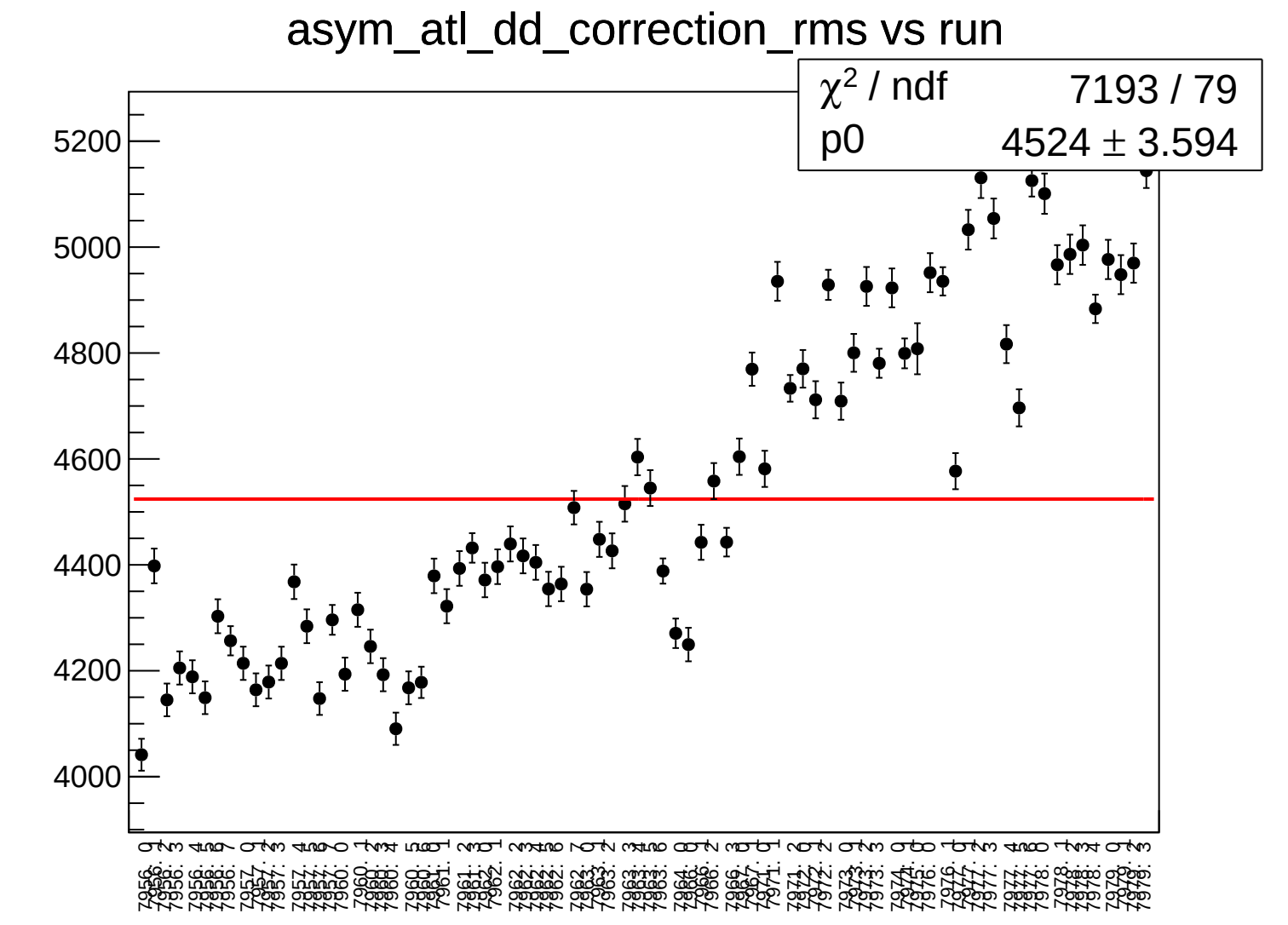

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 66.23 / 79
p0 −107.7 ± 1814
50
0
−50
−100
−150
pull
Entries 80
Mean −3.315
Std Dev 20.99
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

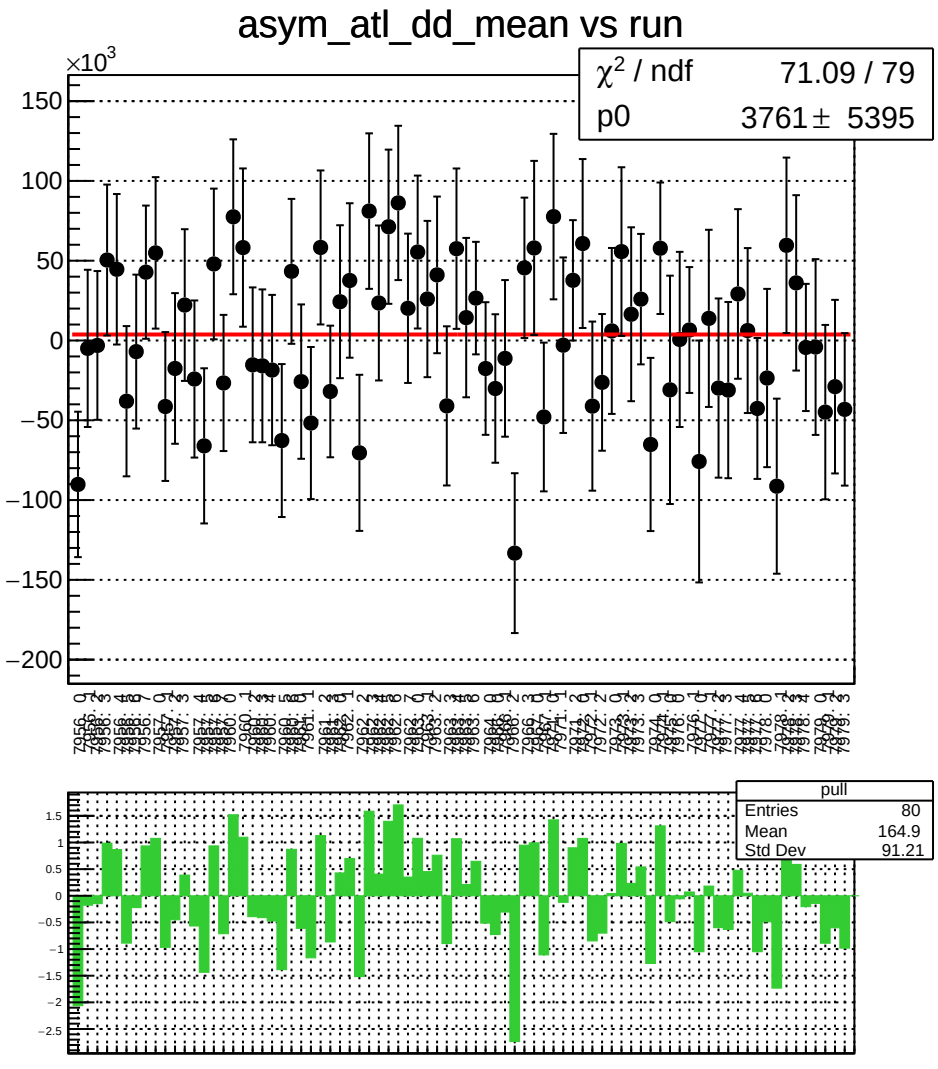

pull1D
Entries 80
Mean −0.03759
Std Dev 0.9091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

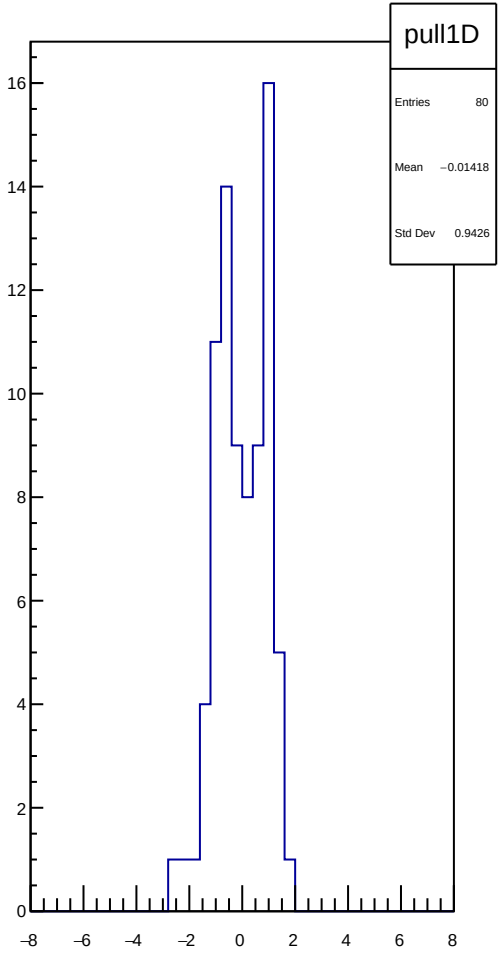

dit_asym_atl_dd_rms vs run
χ^2 / ndf 9619 / 79
p0 1613 ± 1.283
5500
5000
4500
4000
3500
3000
2500
2000
1500

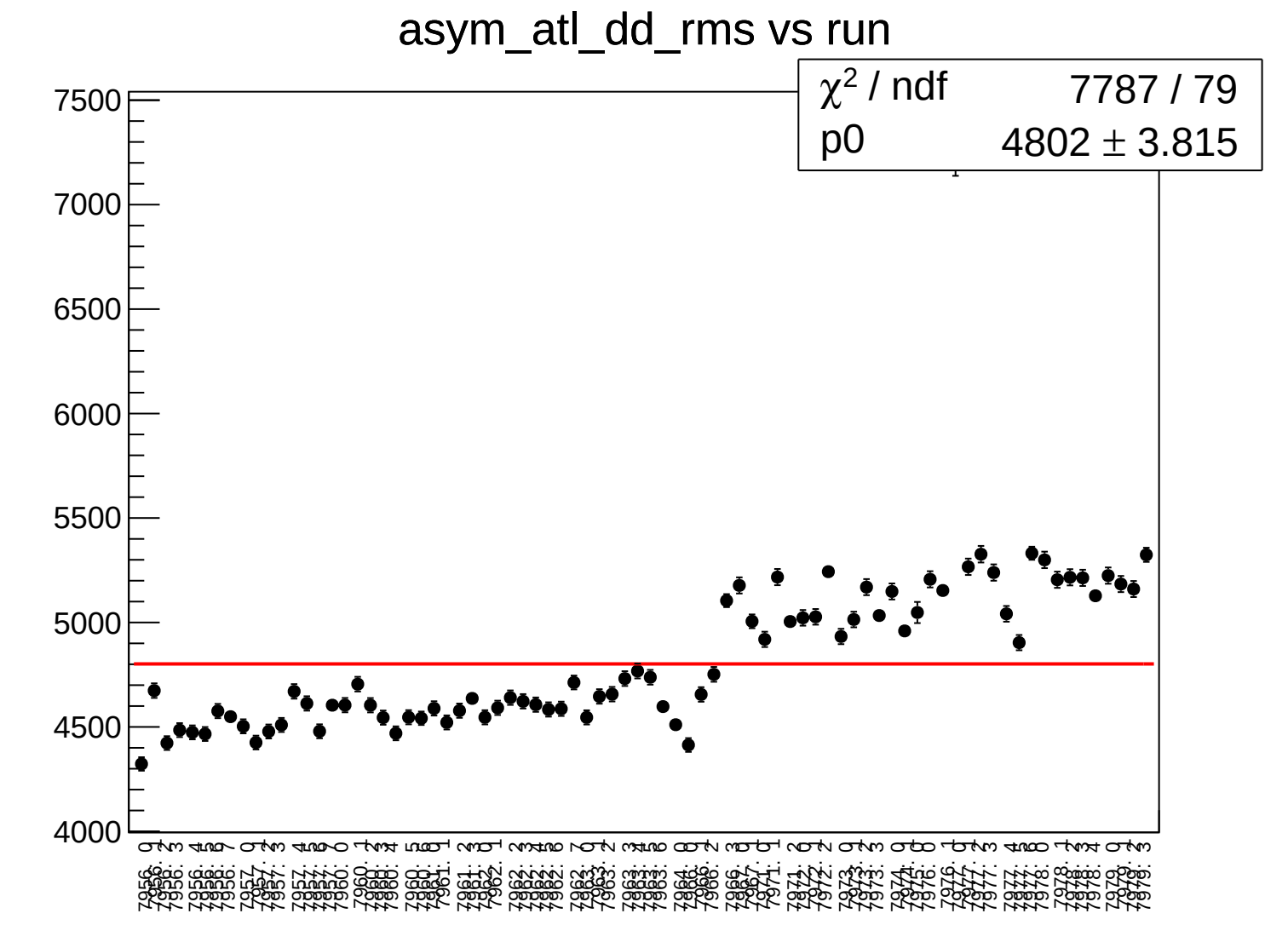

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 80.21 / 79
p0 −4645 ± 5083
pull
Entries 80
Mean 366.9
Std Dev 305.9

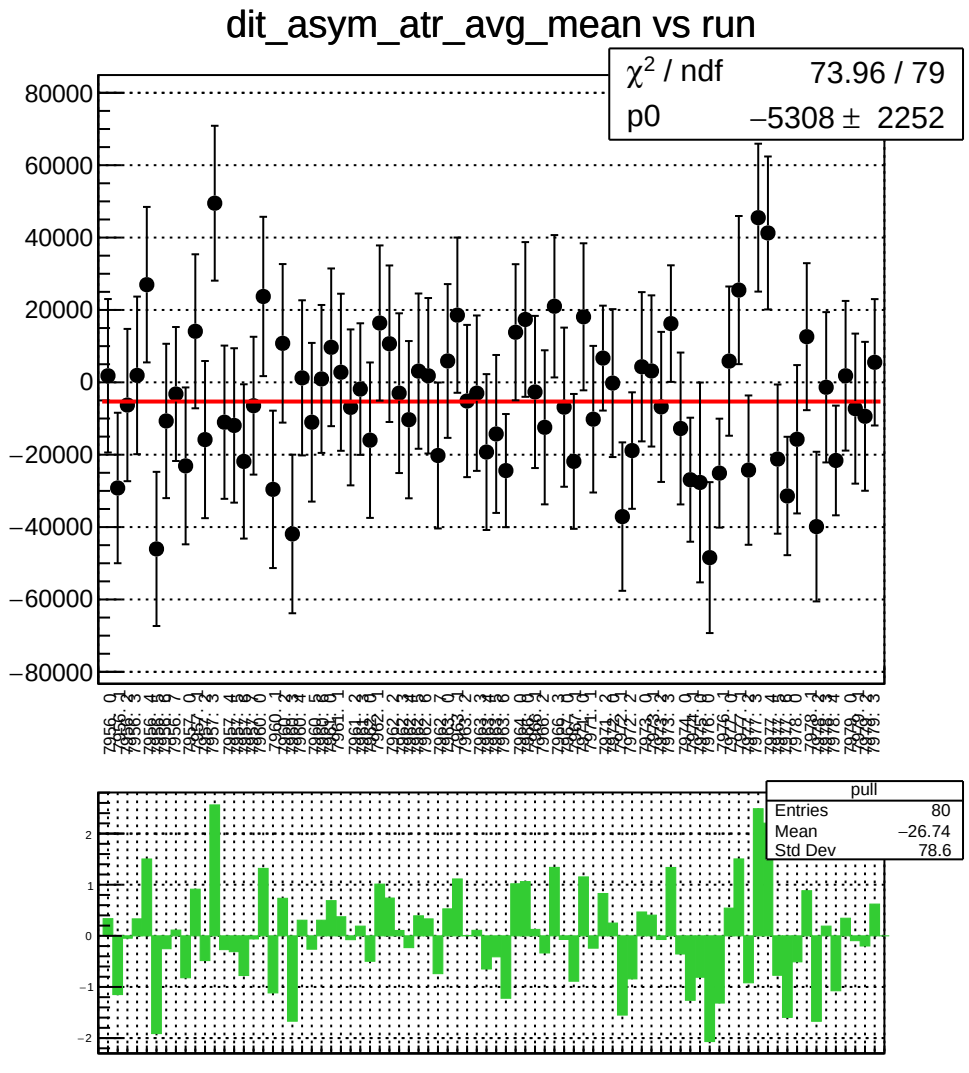

pull1D
Entries 80
Mean 0.006963
Std Dev 1.001

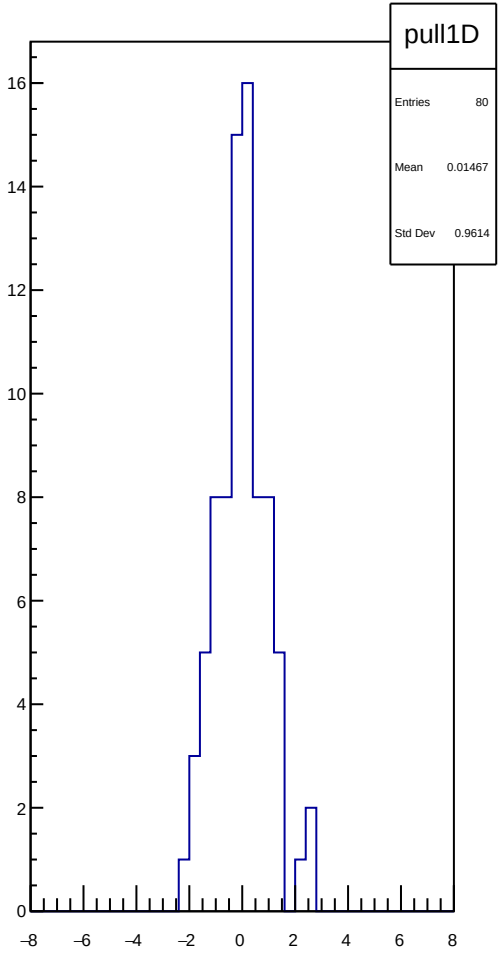

asym_atl_dd_correction_rms vs run
χ² / ndf 7193 / 79
p0 4524 ± 3.594
5200
5000
4800
4600
4400
4200
4000

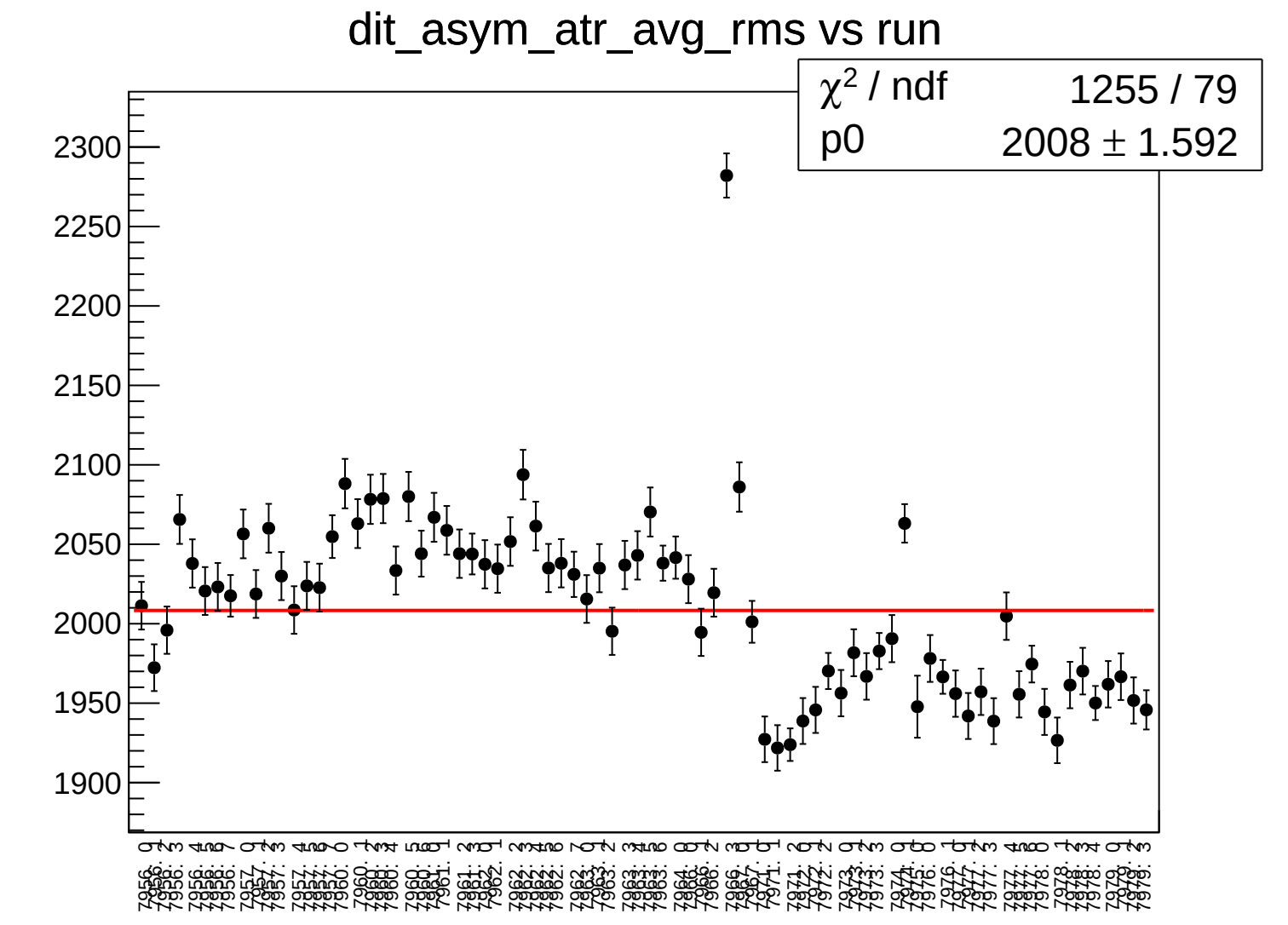

asym_atl_dd_mean vs run
×10^3
χ² / ndf 71.09 / 79
p0 3761 ± 5395
pull
Entries 80
Mean 164.9
Std Dev 91.21

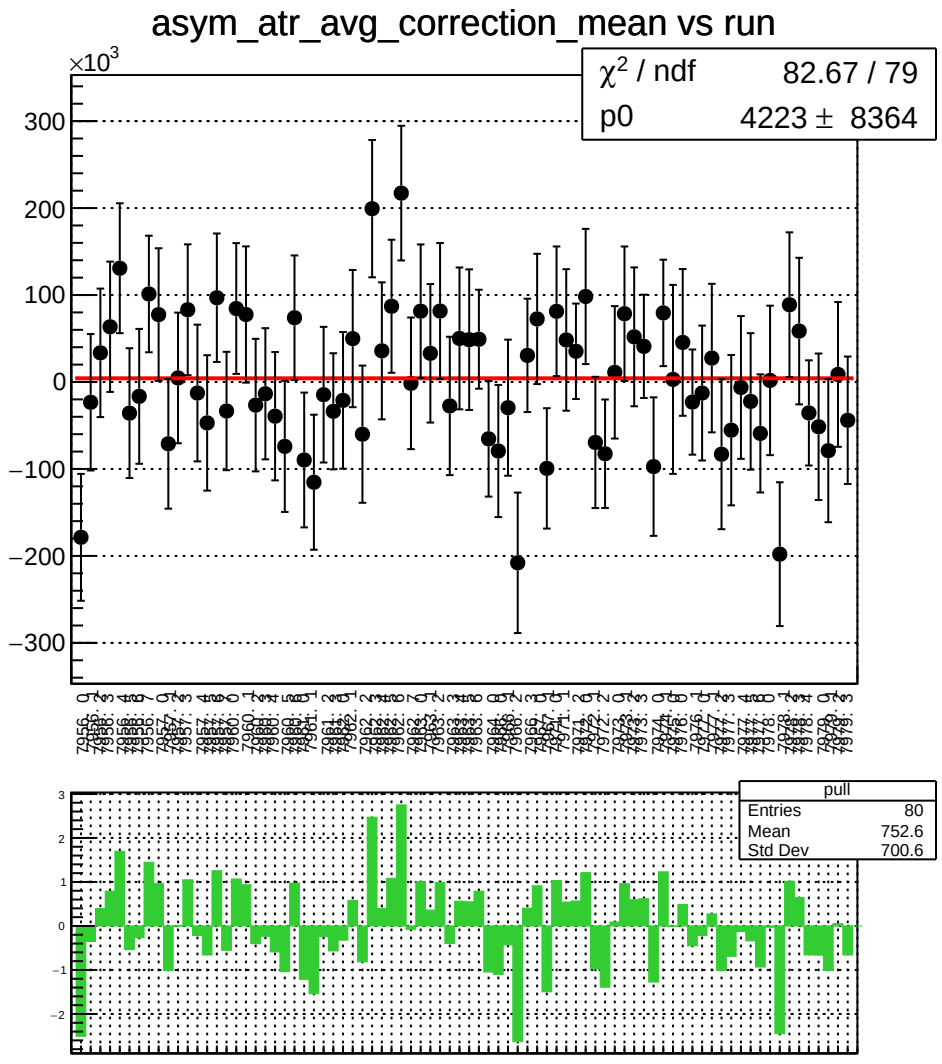

pull1D
Entries 80
Mean −0.01418
Std Dev 0.9426

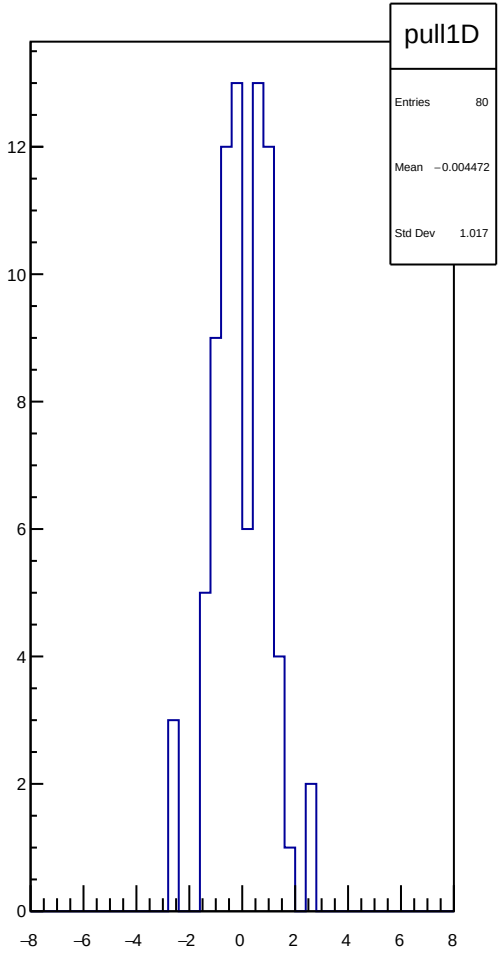

asym_atl_dd_rms vs run
χ^2 / ndf 7787 / 79
p0 4802 ± 3.815
7500
7000
6500
6000
5500
5000
4500
4000

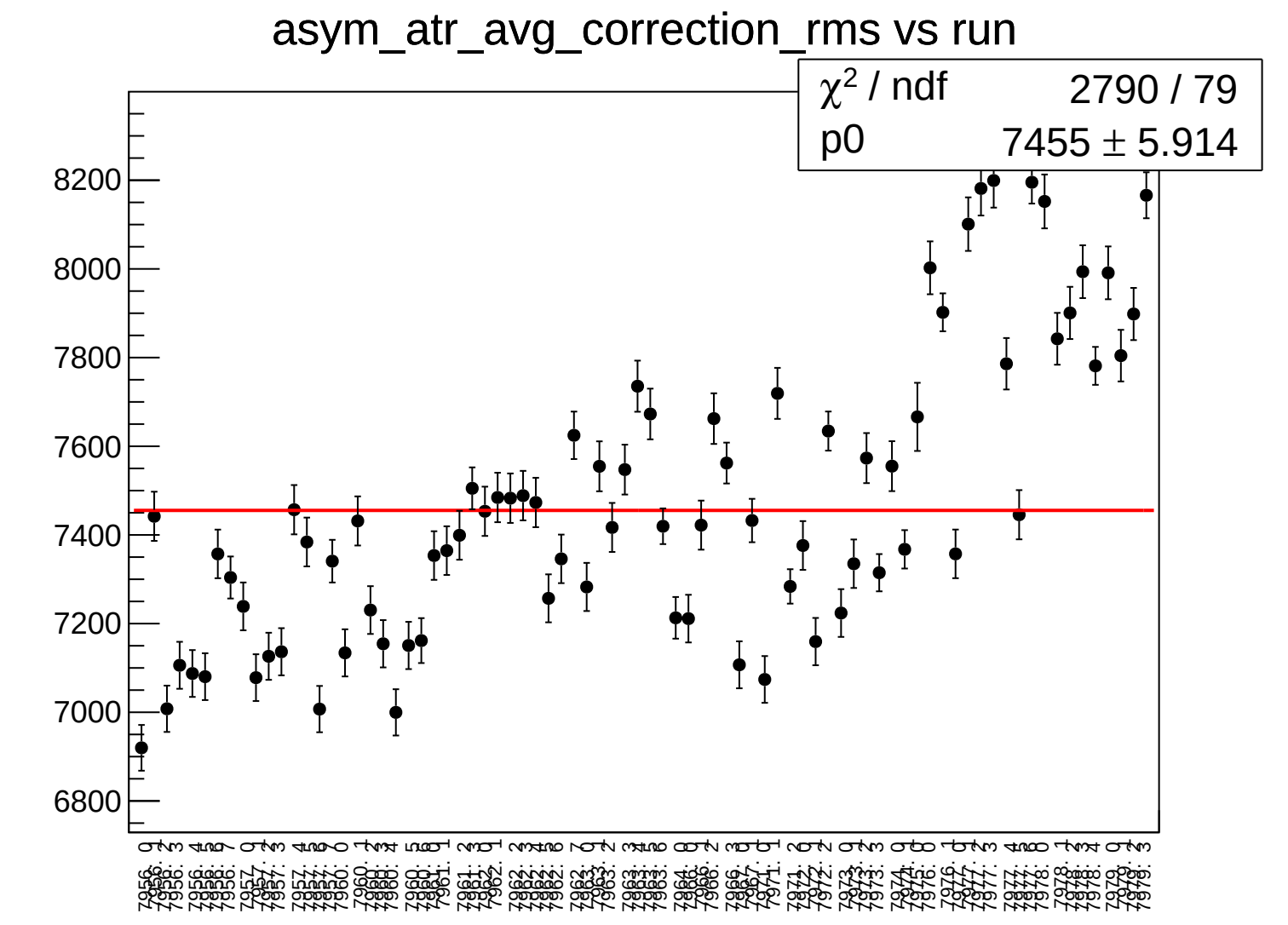

dit_asym_atr_avg_mean vs run
χ² / ndf 73.96 / 79
p0 −5308 ± 2252
pull
Entries 80
Mean −26.74
Std Dev 78.6

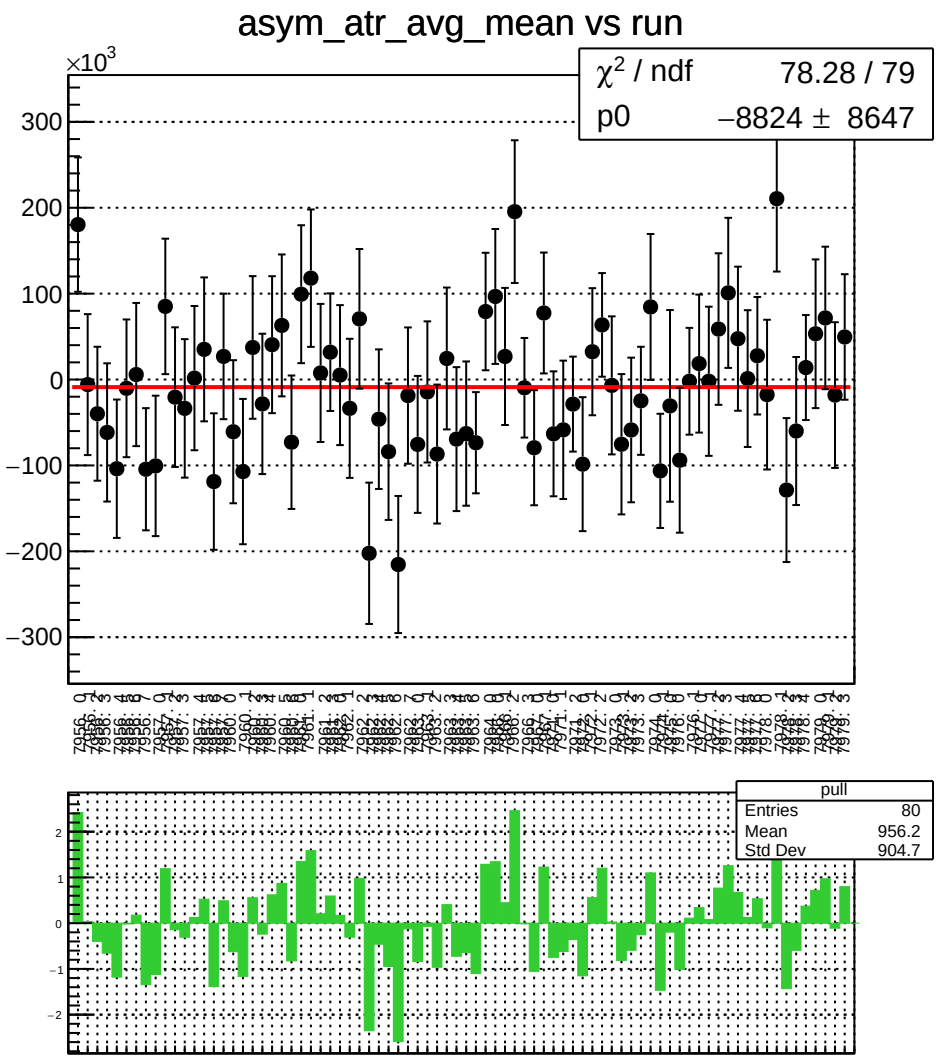

pull1D
Entries 80
Mean 0.01467
Std Dev 0.9614

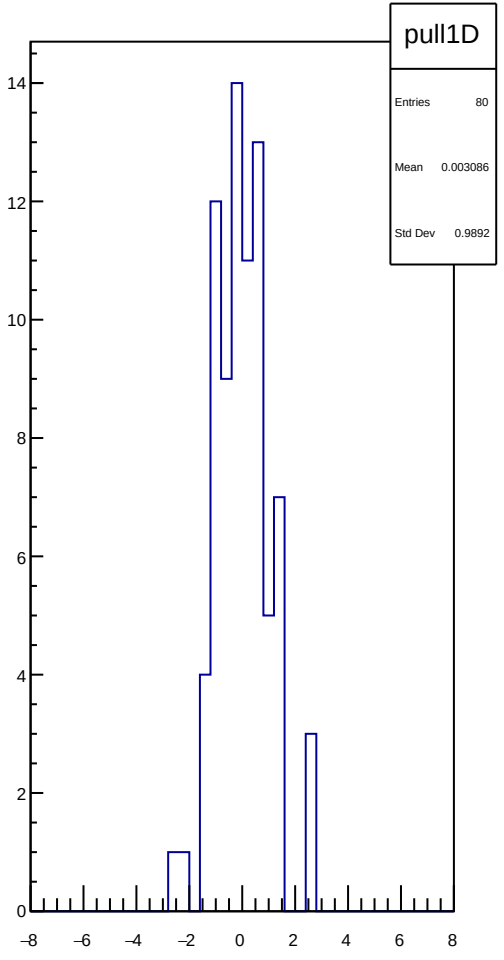

dit_asym_atr_avg_rms vs run
χ^2 / ndf 1255 / 79
p0 2008 ± 1.592
2300
2250
2200
2150
2100
2050
2000
1950
1900

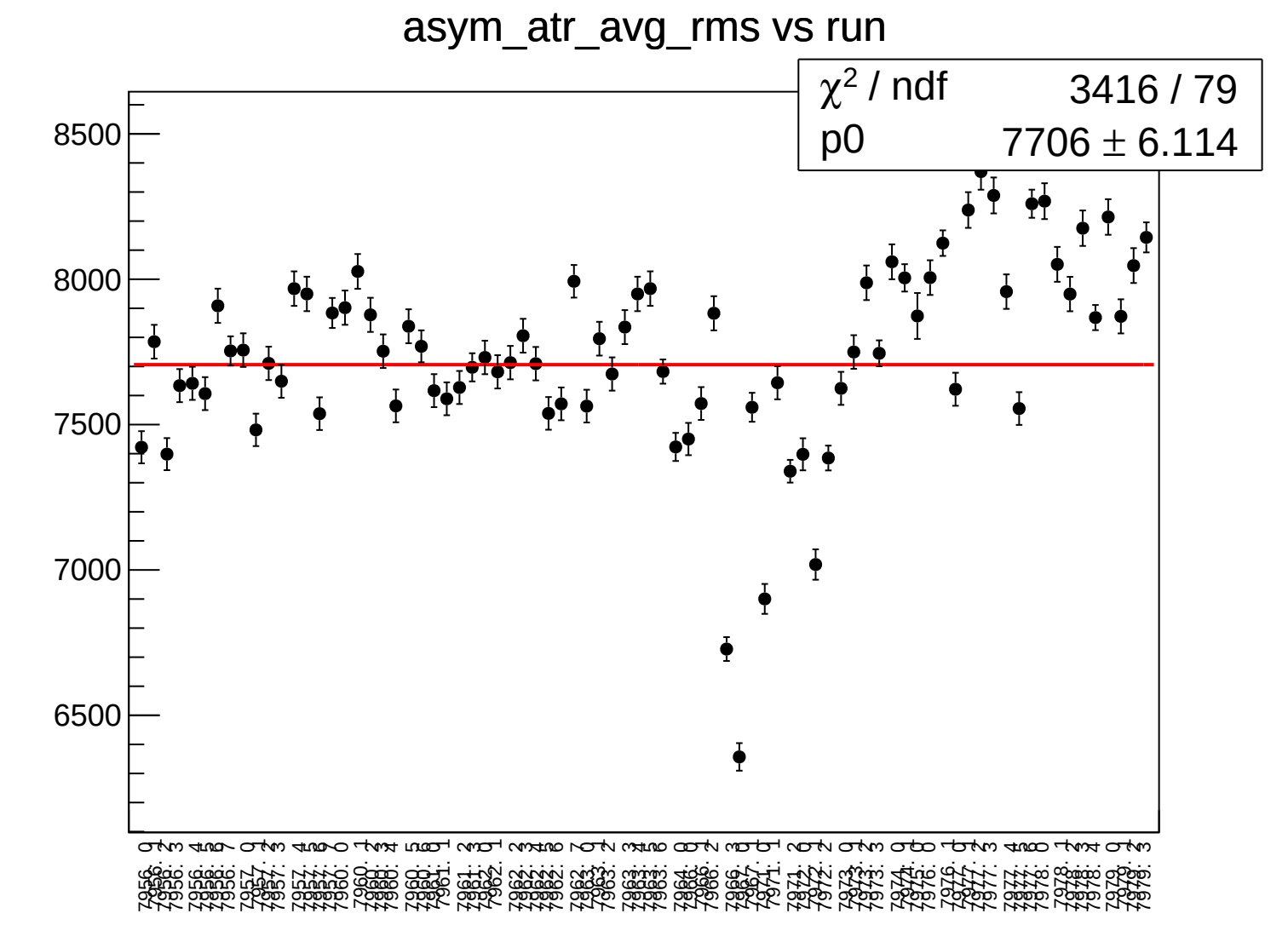

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 82.67 / 79
p0 4223 ± 8364
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 752.6
Std Dev 700.6
3
2
1
0
−1
−2

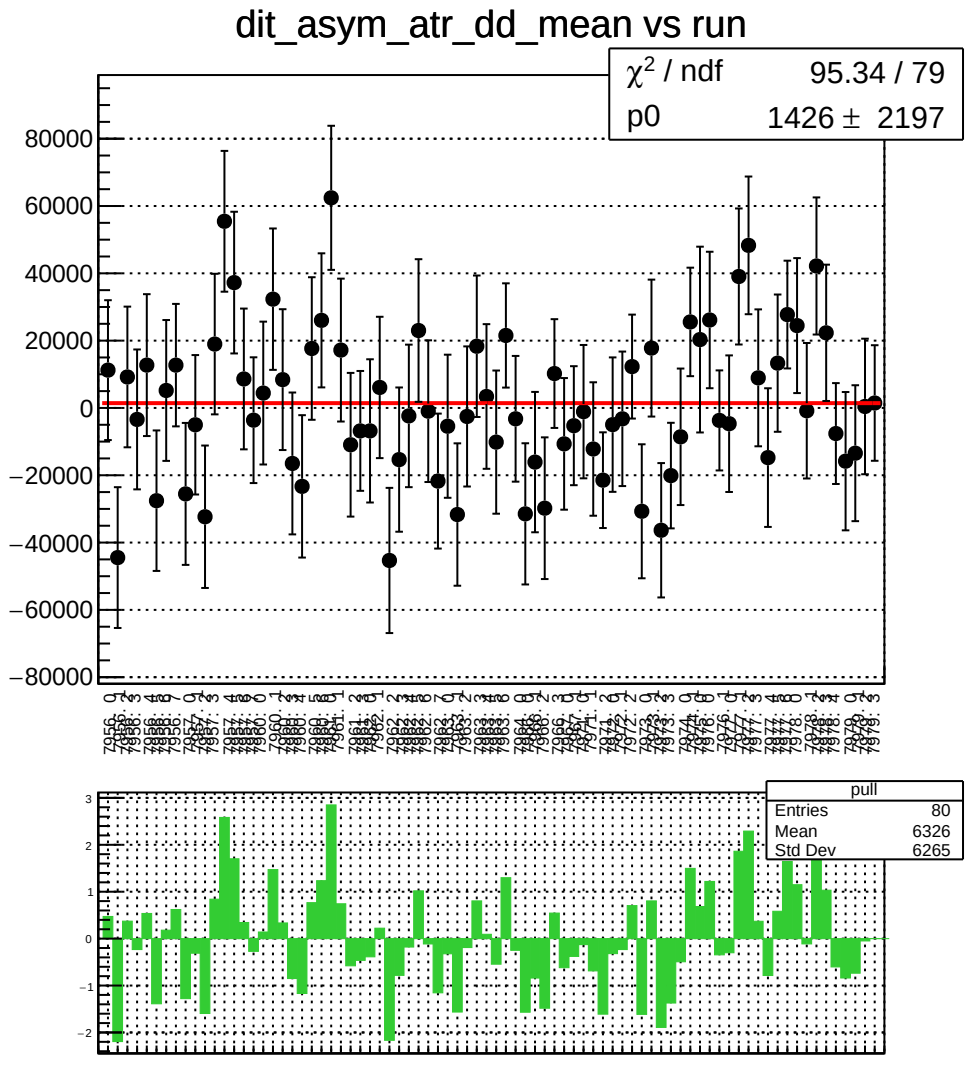

pull1D
Entries 80
Mean −0.004472
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

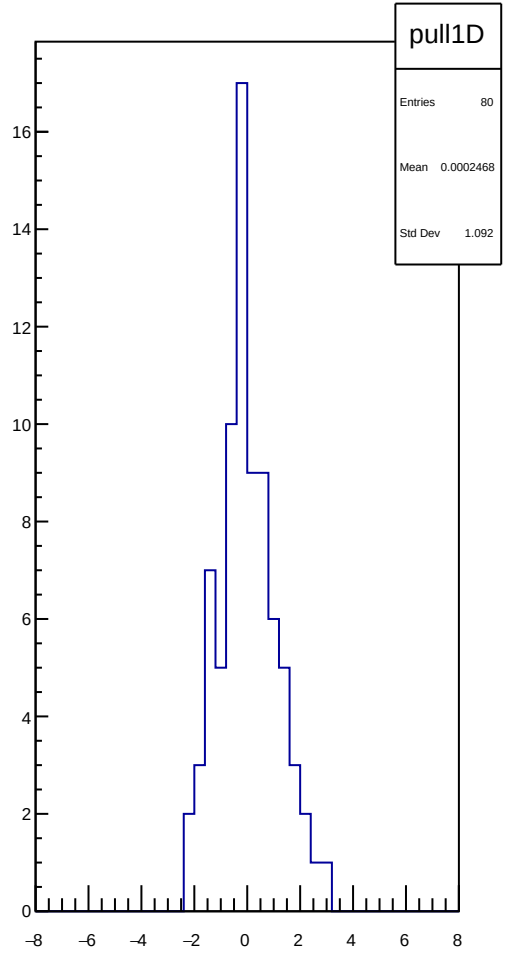

asym_atr_avg_correction_rms vs run
χ² / ndf 2790 / 79
p0 7455 ± 5.914
8200
8000
7800
7600
7400
7200
7000
6800

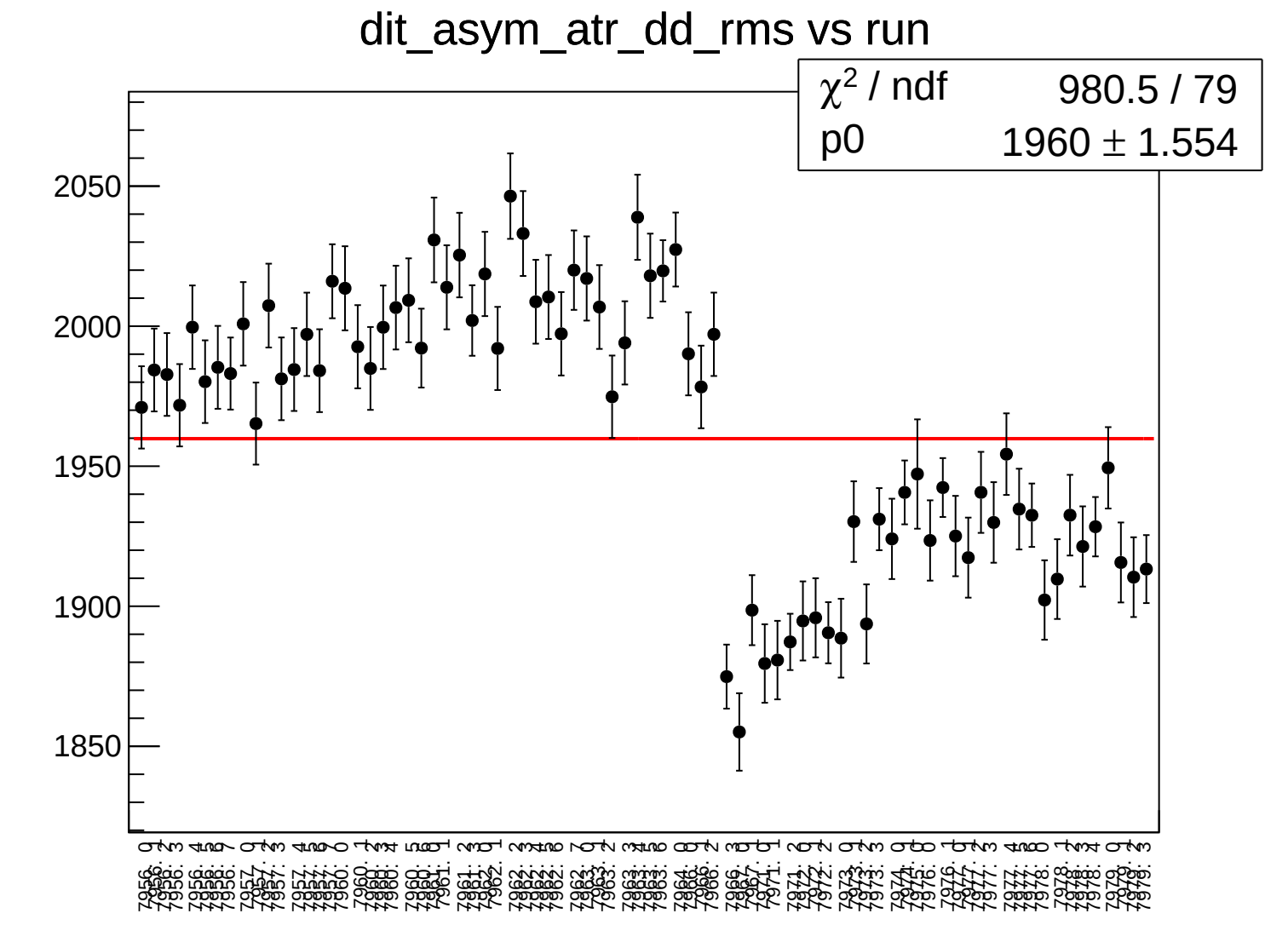

asym_atr_avg_mean vs run
×10^3
χ² / ndf 78.28 / 79
p0 −8824 ± 8647
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 956.2
Std Dev 904.7
2
1
0
−1
−2

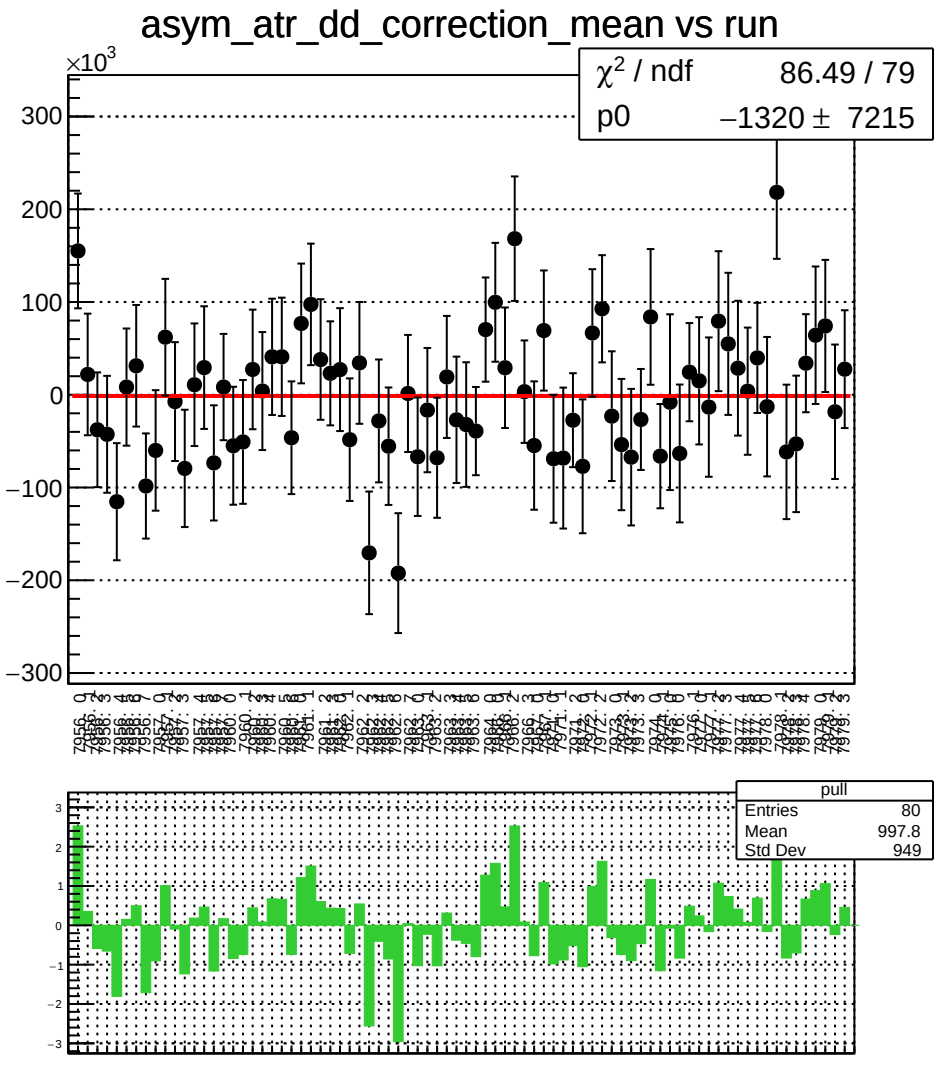

pull1D
Entries 80
Mean 0.003086
Std Dev 0.9892
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

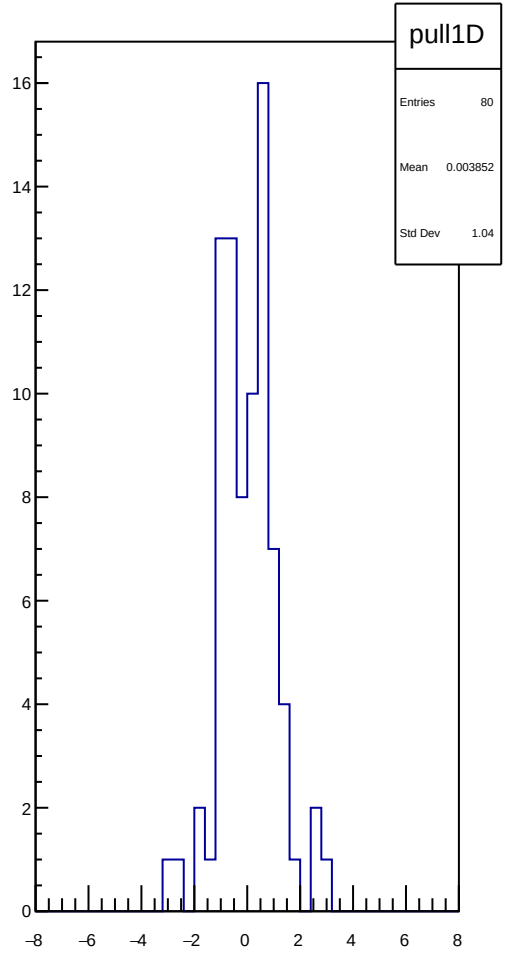

asym_atr_avg_rms vs run
χ² / ndf 3416 / 79
p0 7706 ± 6.114
8500
8000
7500
7000
6500

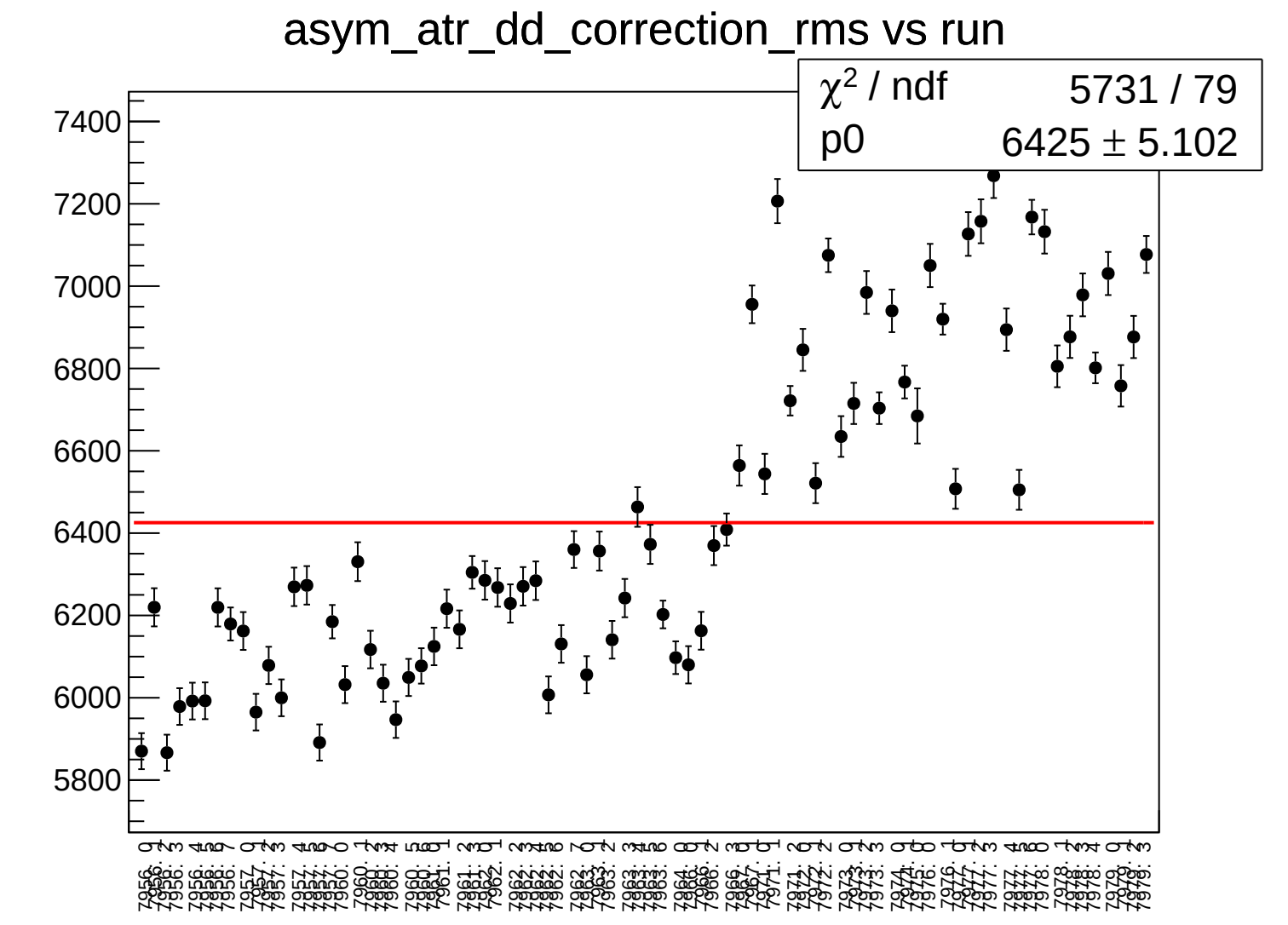

dit_asym_atr_dd_mean vs run
χ² / ndf 95.34 / 79
p0 1426 ± 2197
pull
Entries 80
Mean 6326
Std Dev 6265

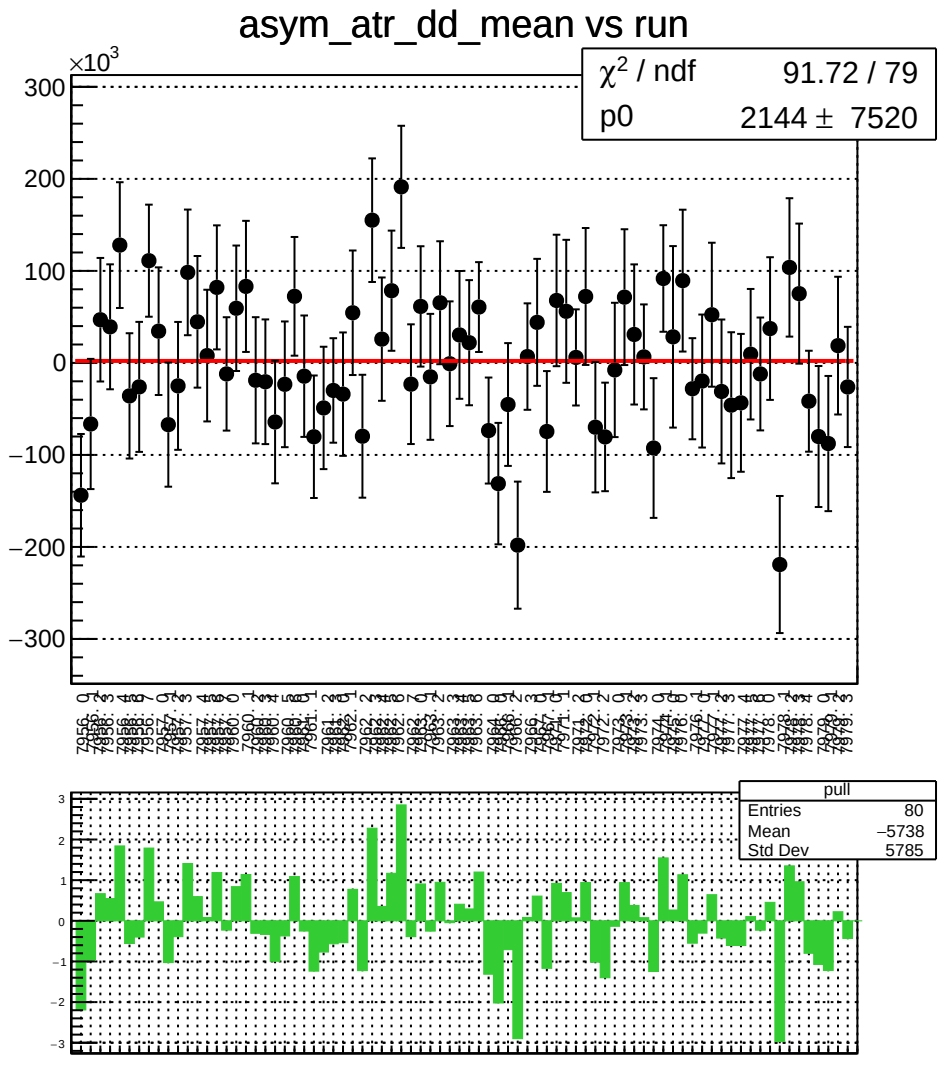

pull1D
Entries 80
Mean 0.0002468
Std Dev 1.092

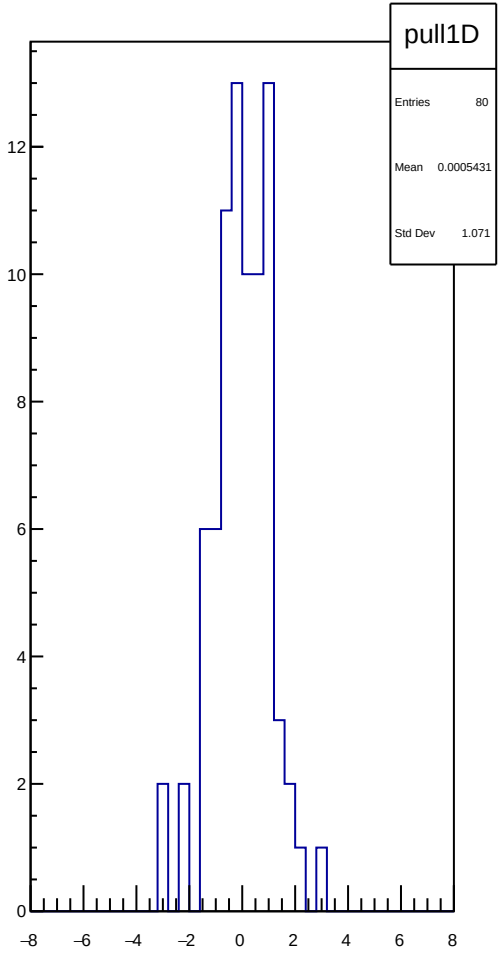

dit_asym_atr_dd_rms vs run
χ^2 / ndf 980.5 / 79
p0 1960 ± 1.554
2050
2000
1950
1900
1850

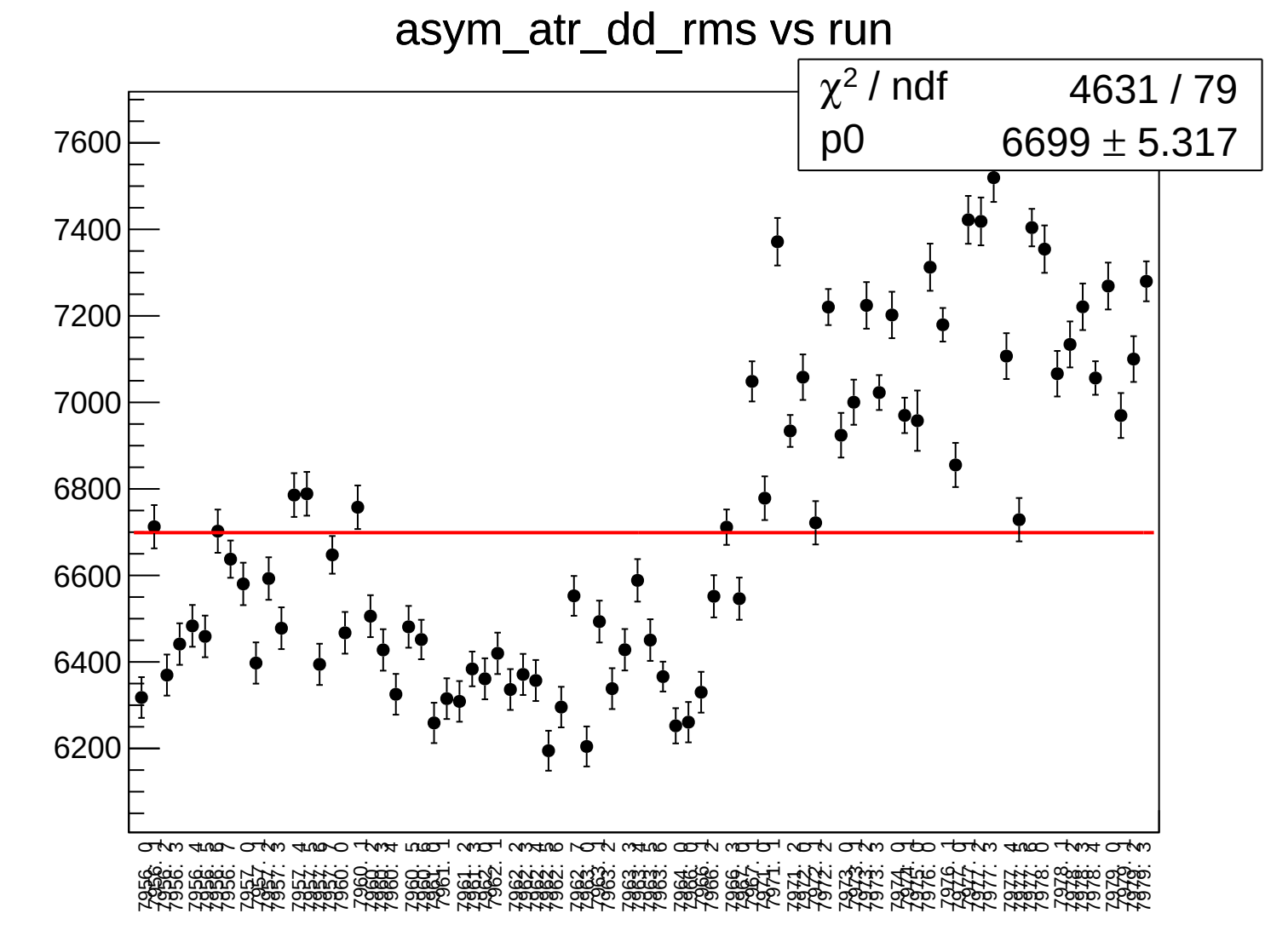

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 86.49 / 79
p0 −1320 ± 7215
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 997.8
Std Dev 949
3
2
1
0
−1
−2
−3

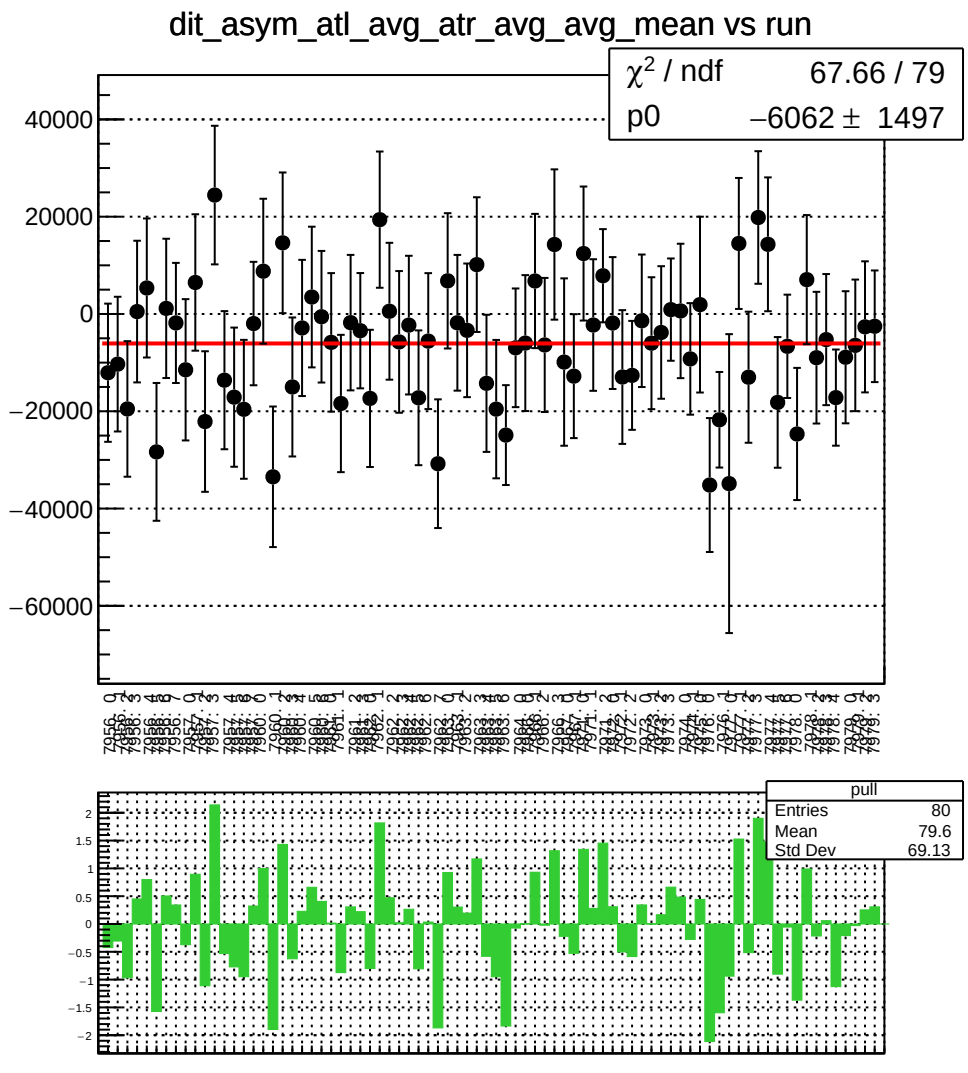

pull1D
Entries 80
Mean 0.003852
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

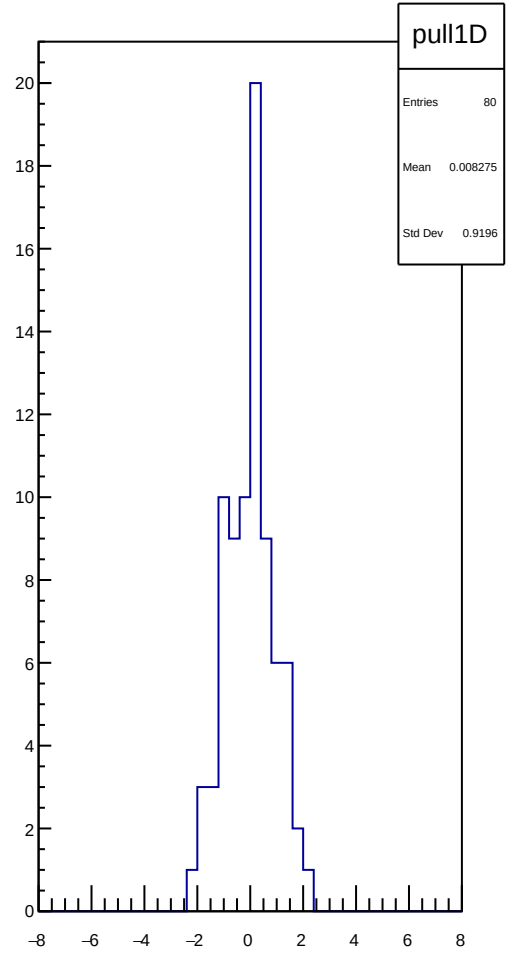

asym_atr_dd_correction_rms vs run
χ² / ndf 5731 / 79
p0 6425 ± 5.102
7400
7200
7000
6800
6600
6400
6200
6000
5800

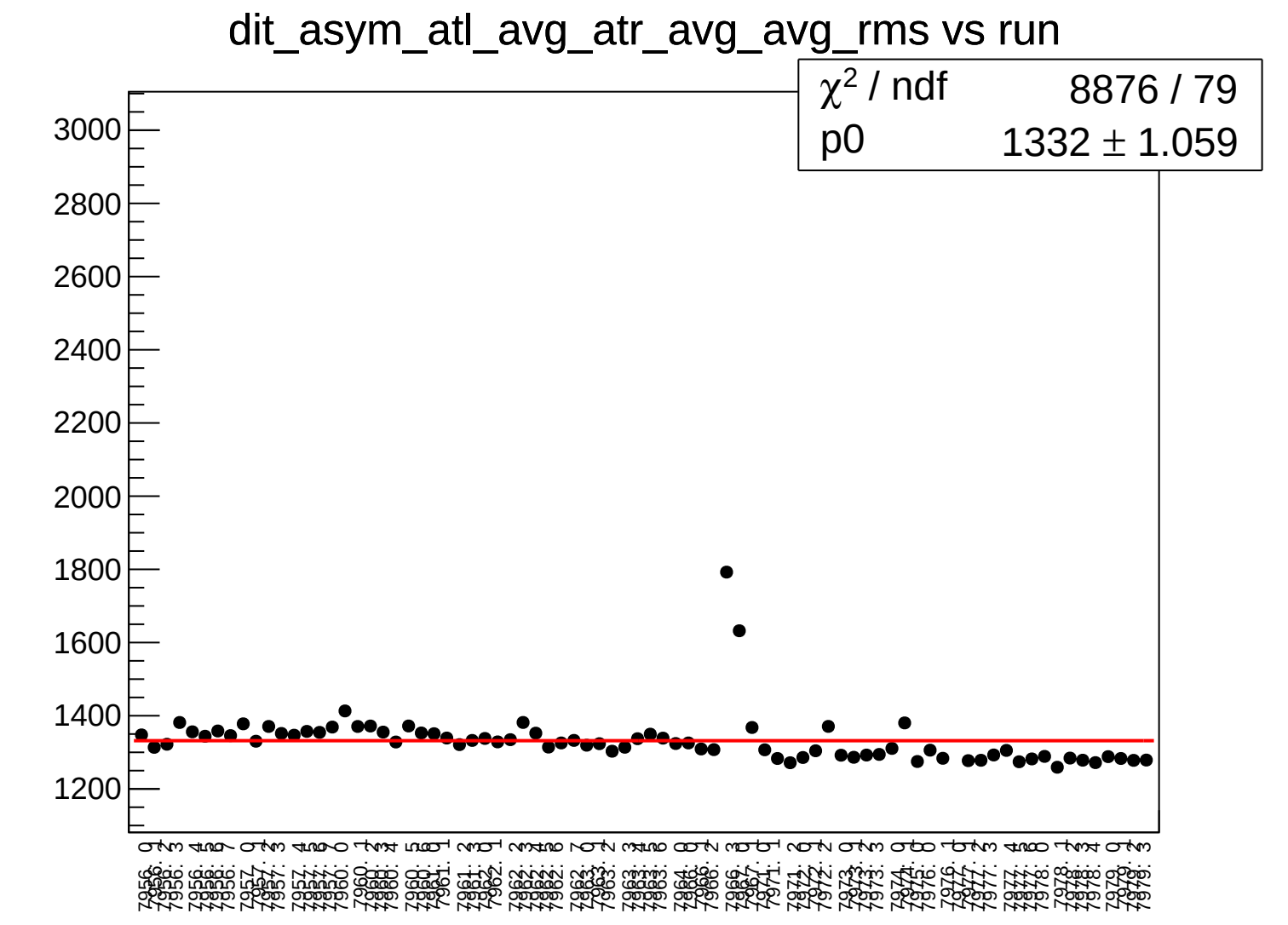

asym_atr_dd_mean vs run
×10^3
χ² / ndf 91.72 / 79
p0 2144 ± 7520
pull
Entries 80
Mean −5738
Std Dev 5785

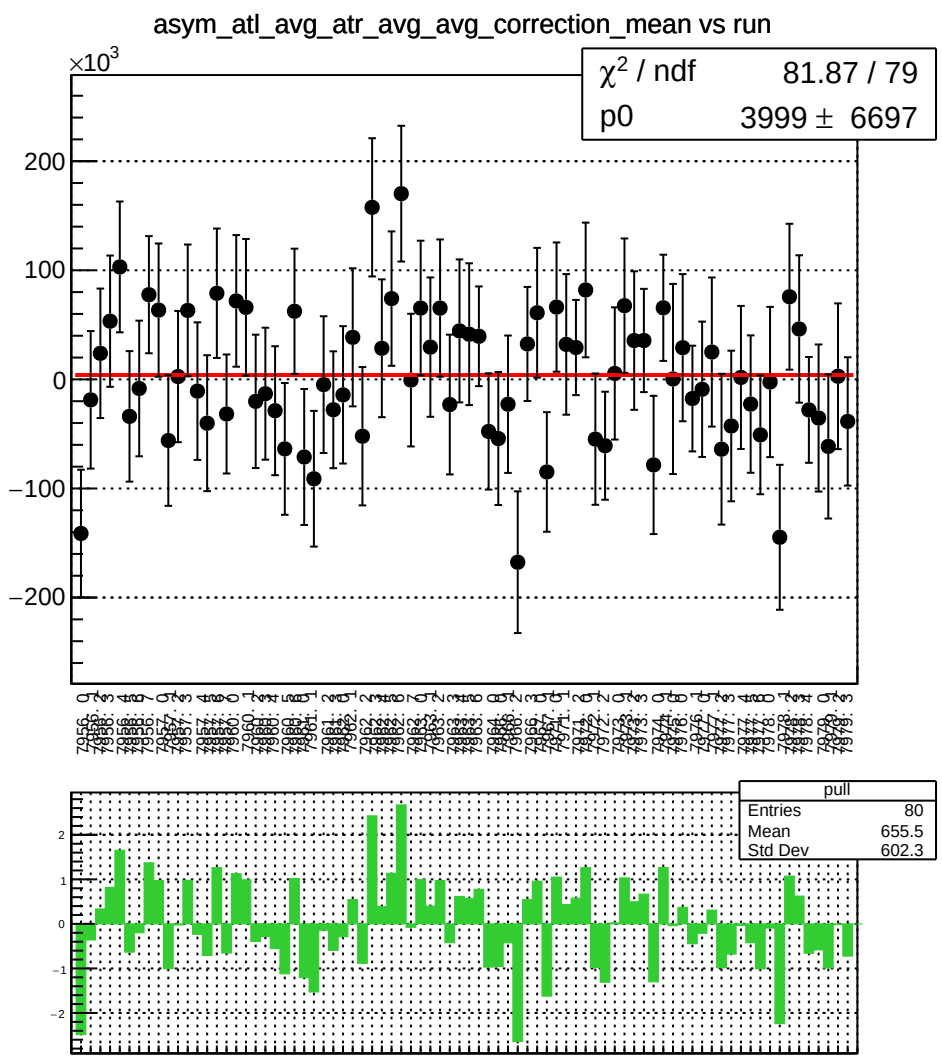

pull1D
Entries 80
Mean 0.0005431
Std Dev 1.071

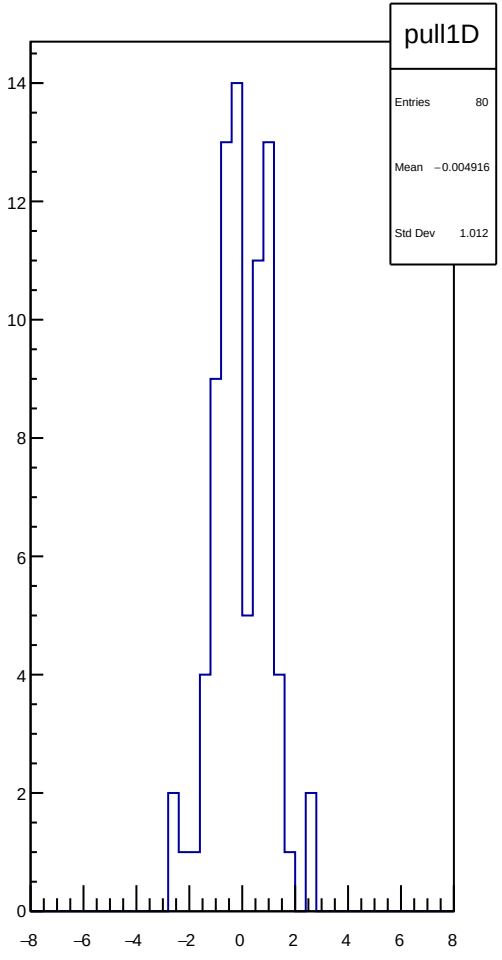

asym_atr_dd_rms vs run
χ² / ndf 4631 / 79
p0 6699 ± 5.317
7600
7400
7200
7000
6800
6600
6400
6200

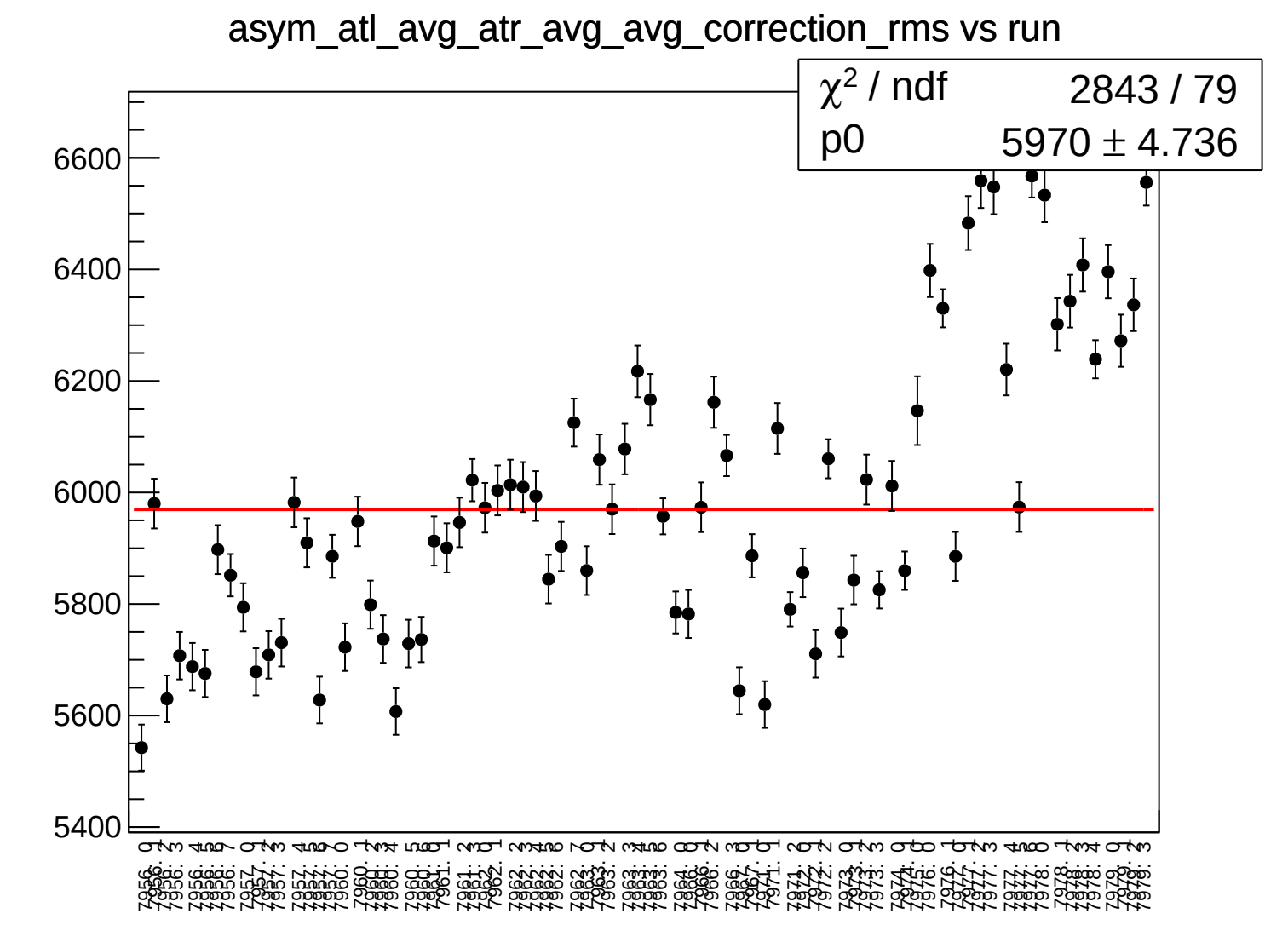

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.66 / 79
p0 −6062 ± 1497
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 79.6
Std Dev 69.13
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

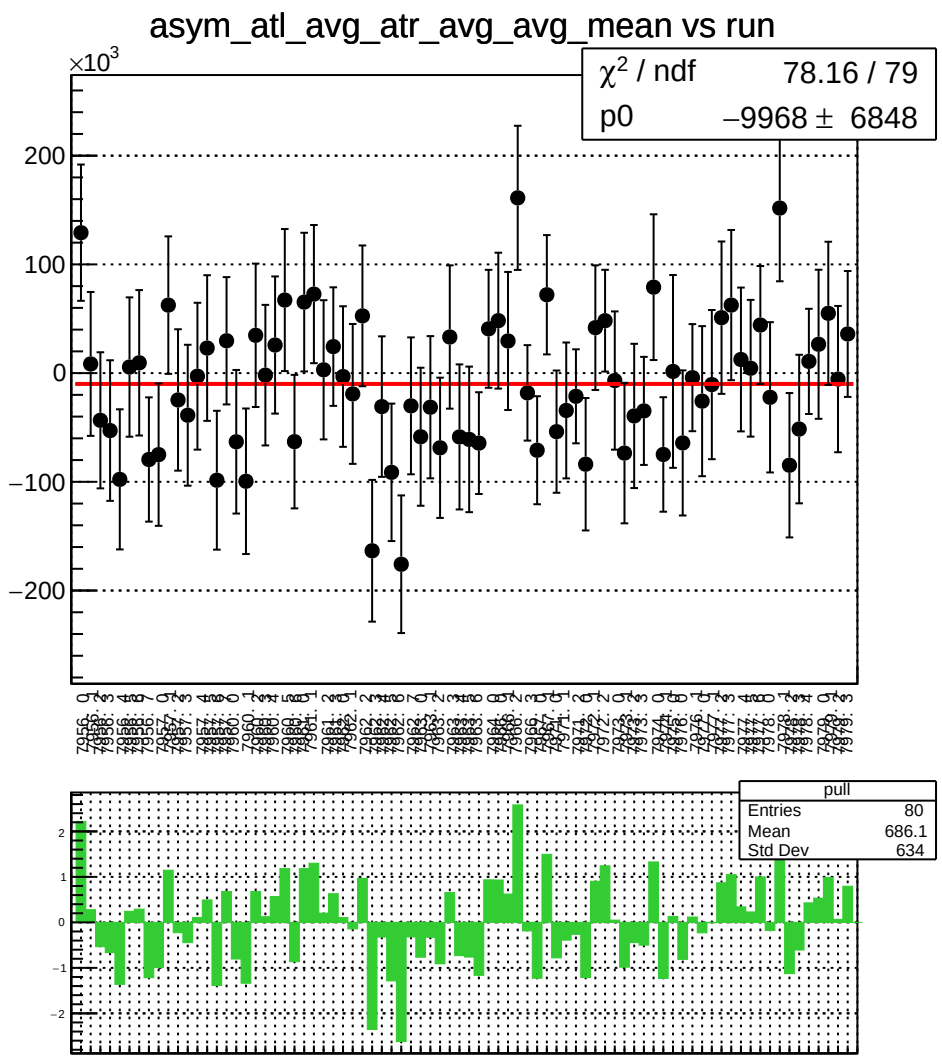

pull1D
Entries 80
Mean 0.008275
Std Dev 0.9196
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

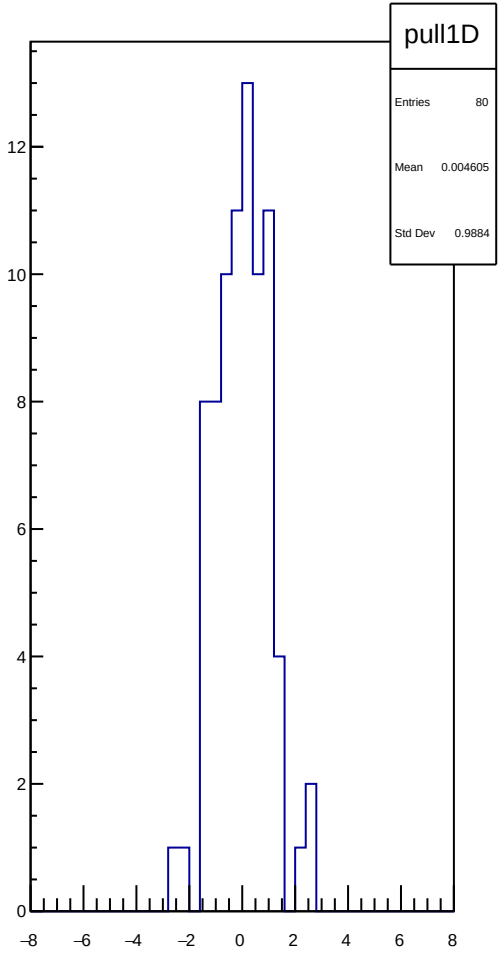

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8876 / 79
p0 1332 ± 1.059
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

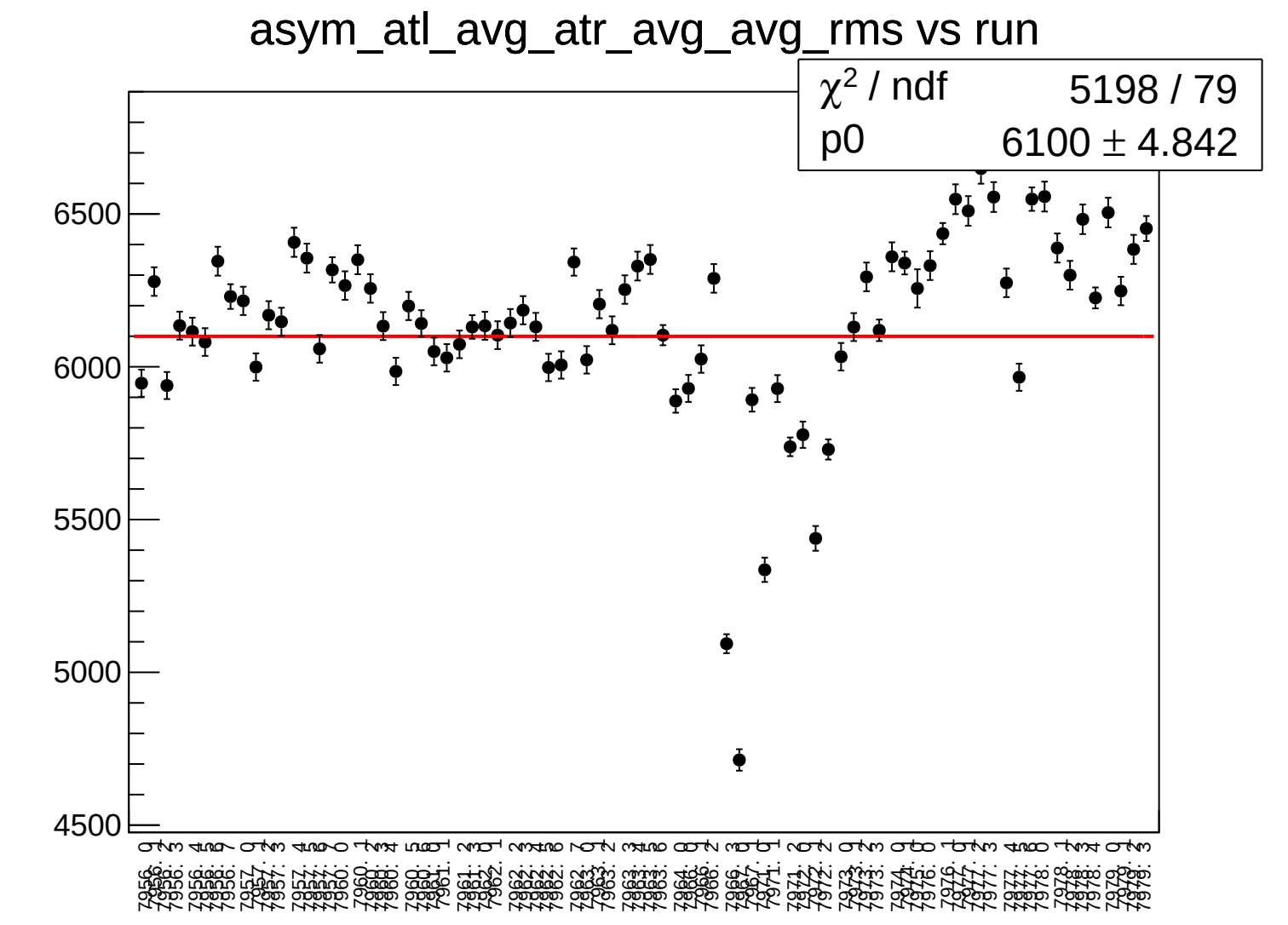

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 81.87 / 79
p0 3999 ± 6697
200
100
0
−100
−200
pull
Entries 80
Mean 655.5
Std Dev 602.3
2
1
0
−1
−2

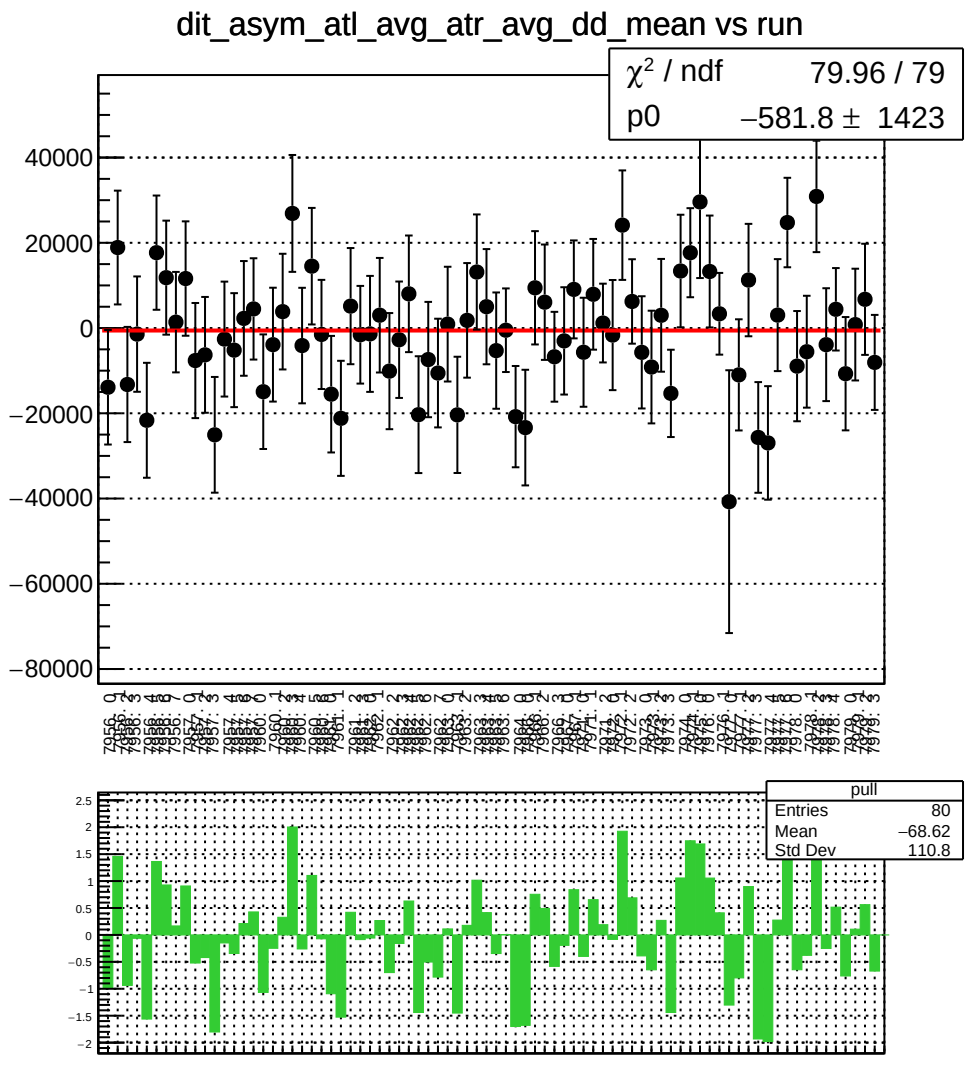

pull1D
Entries 80
Mean −0.004916
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

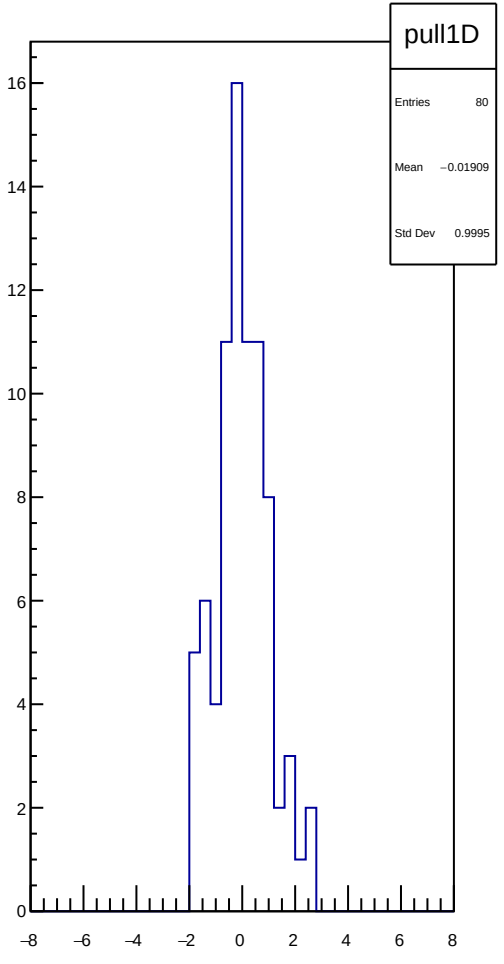

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2843 / 79
p0 5970 ± 4.736
6600
6400
6200
6000
5800
5600
5400

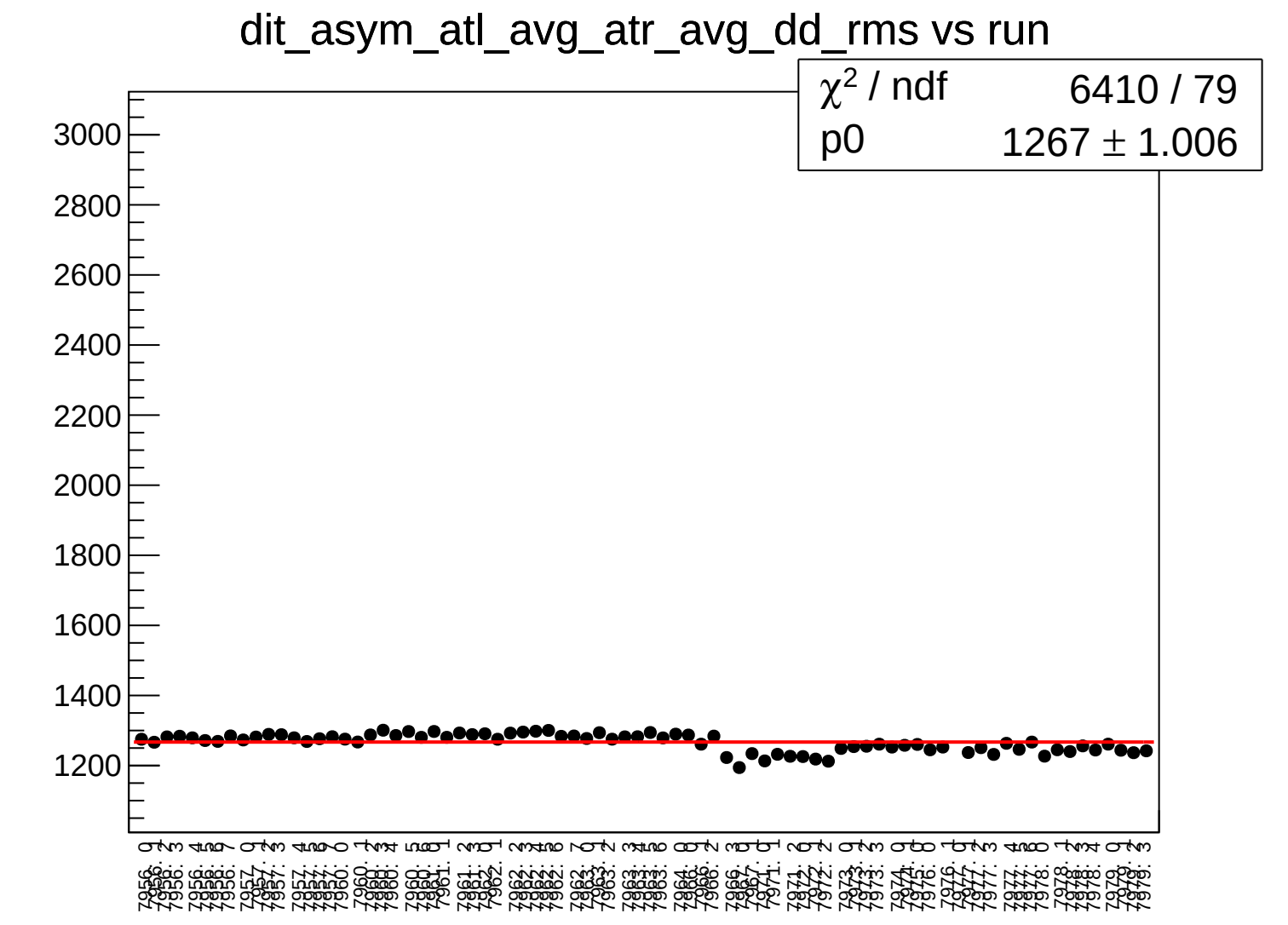

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 78.16 / 79
p0 −9968 ± 6848
200
100
0
−100
−200
pull
Entries 80
Mean 686.1
Std Dev 634
2
1
0
−1
−2

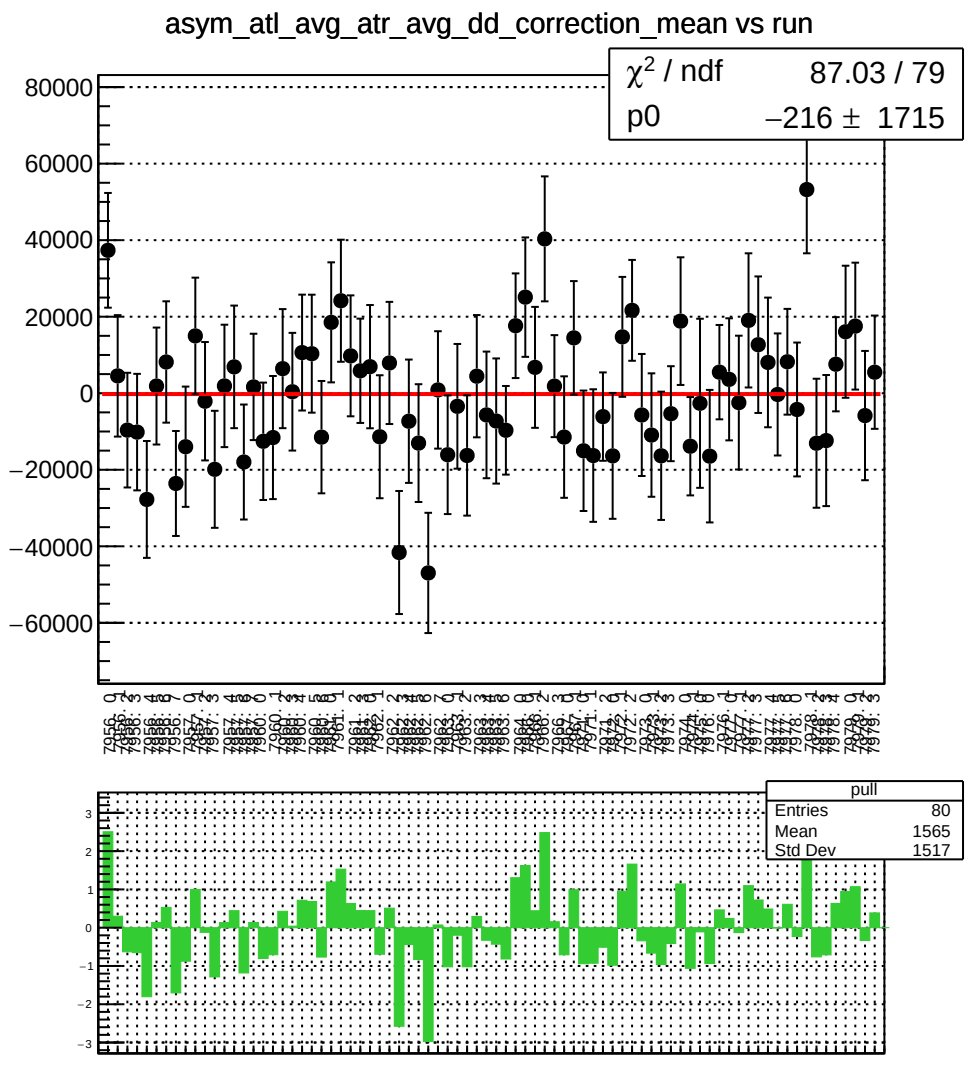

pull1D
Entries 80
Mean 0.004605
Std Dev 0.9884
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

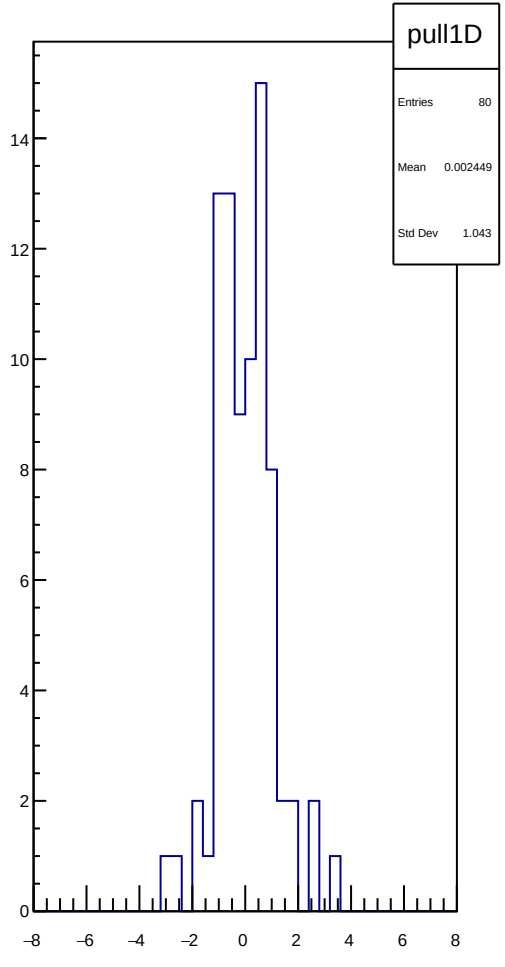

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5198 / 79
p0 6100 ± 4.842
6500
6000
5500
5000
4500

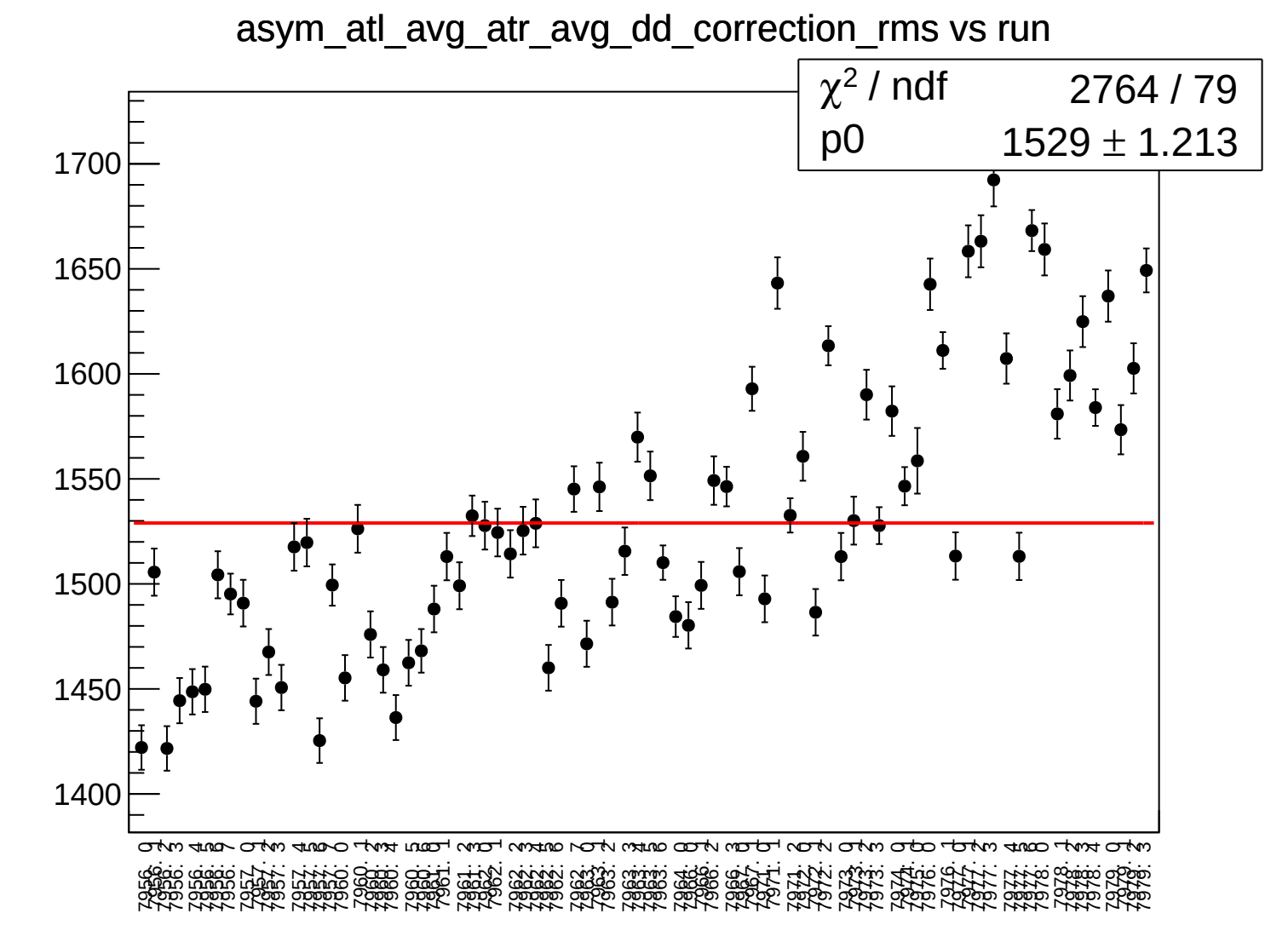

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 79.96 / 79
p0 −581.8 ± 1423
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −68.62
Std Dev 110.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

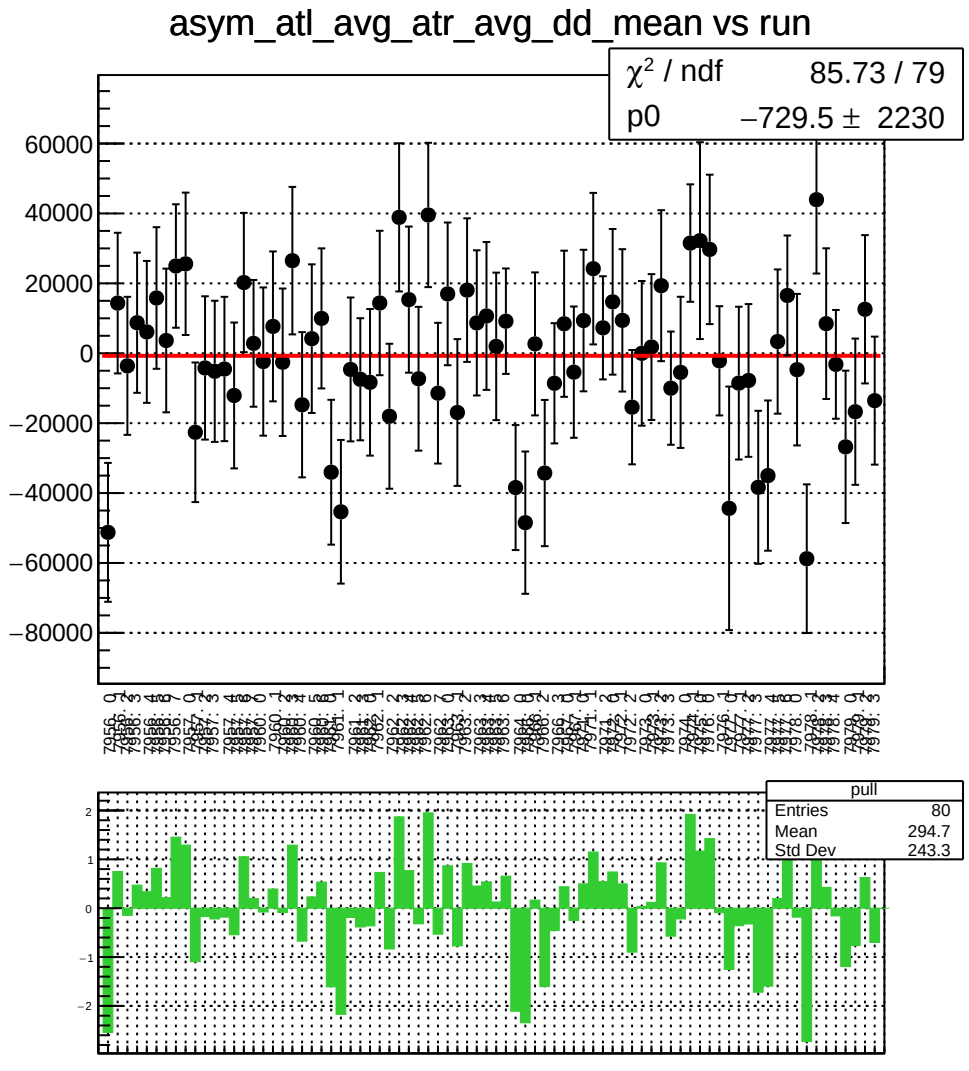

pull1D
Entries 80
Mean −0.01909
Std Dev 0.9995
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

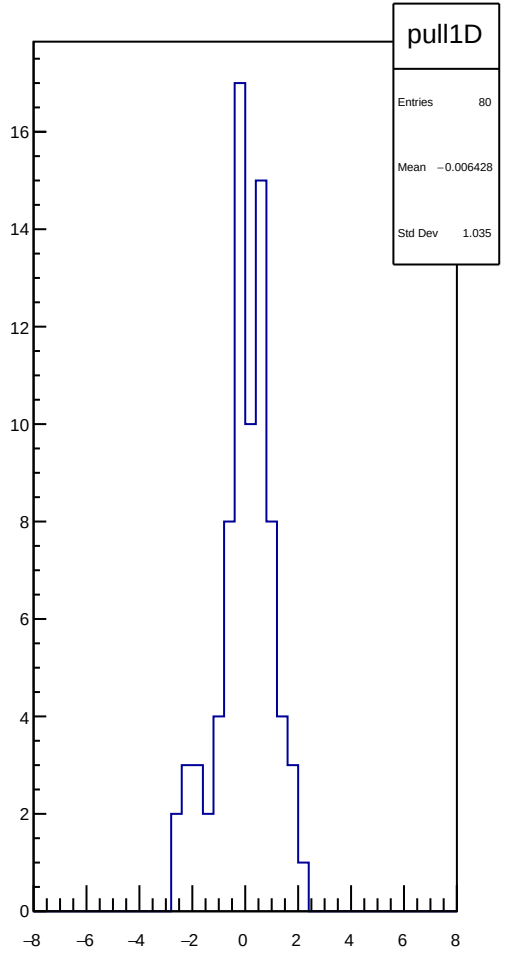

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6410 / 79
p0 1267 ± 1.006
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

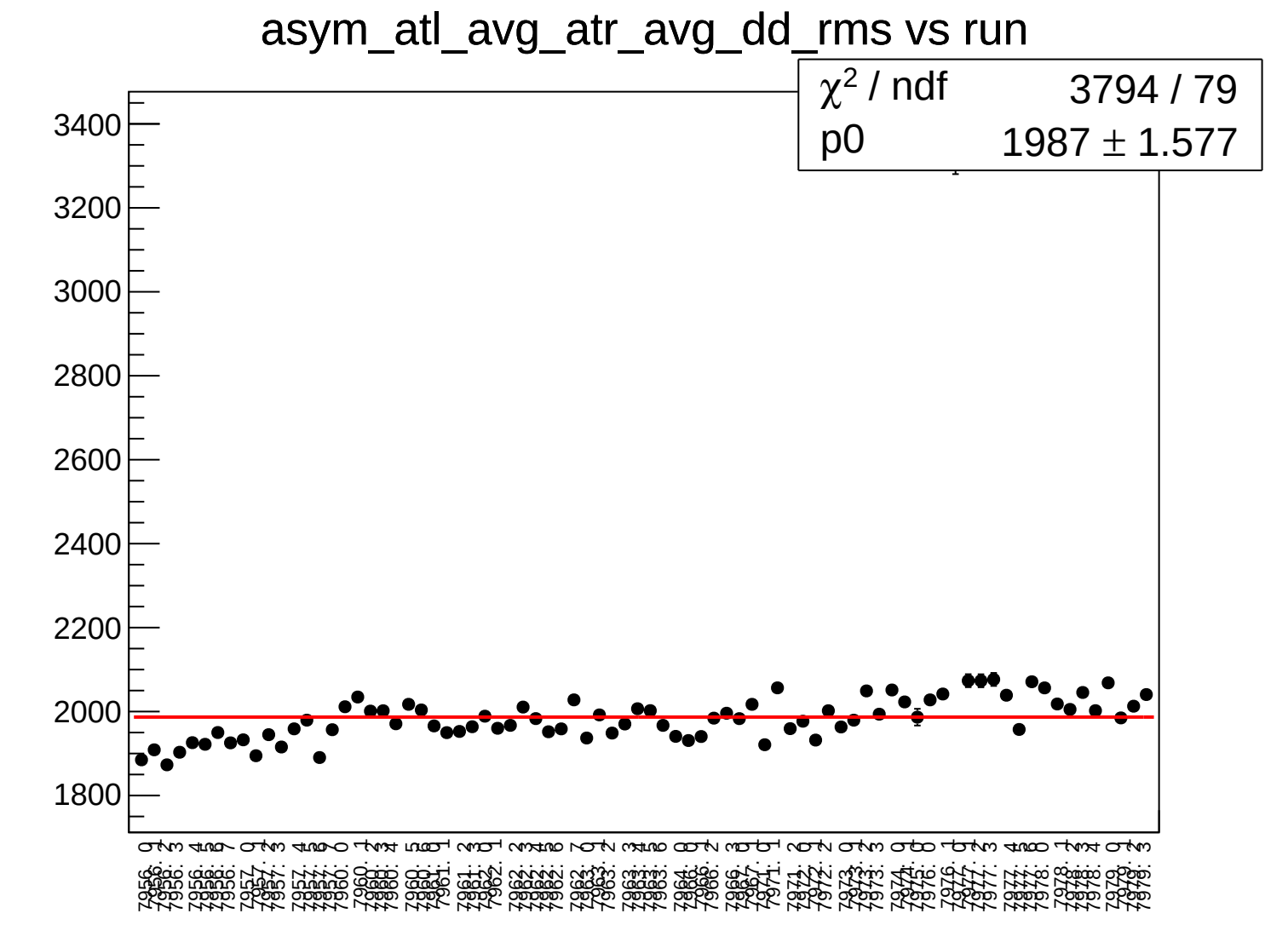

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 87.03 / 79
p0 −216 ± 1715
pull
Entries 80
Mean 1565
Std Dev 1517

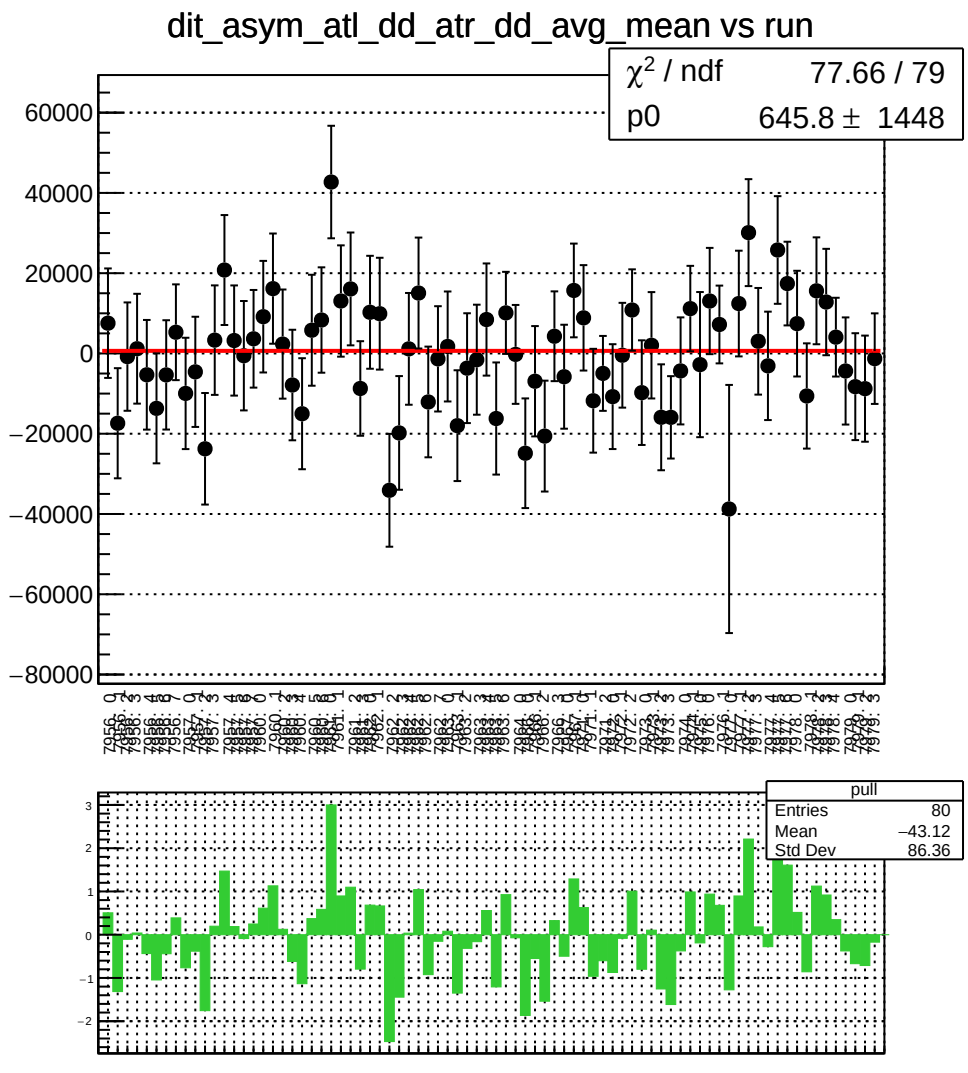

pull1D
Entries 80
Mean 0.002449
Std Dev 1.043

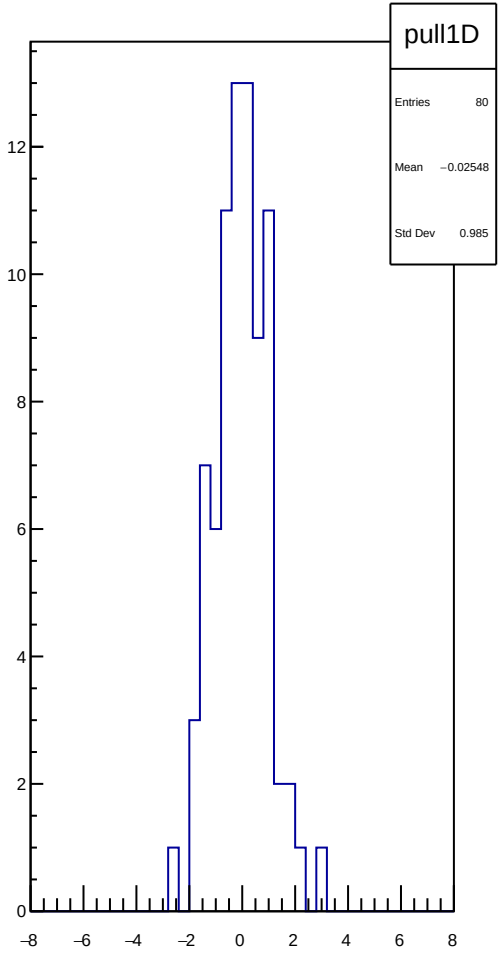

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2764 / 79
p0 1529 ± 1.213
1700
1650
1600
1550
1500
1450
1400

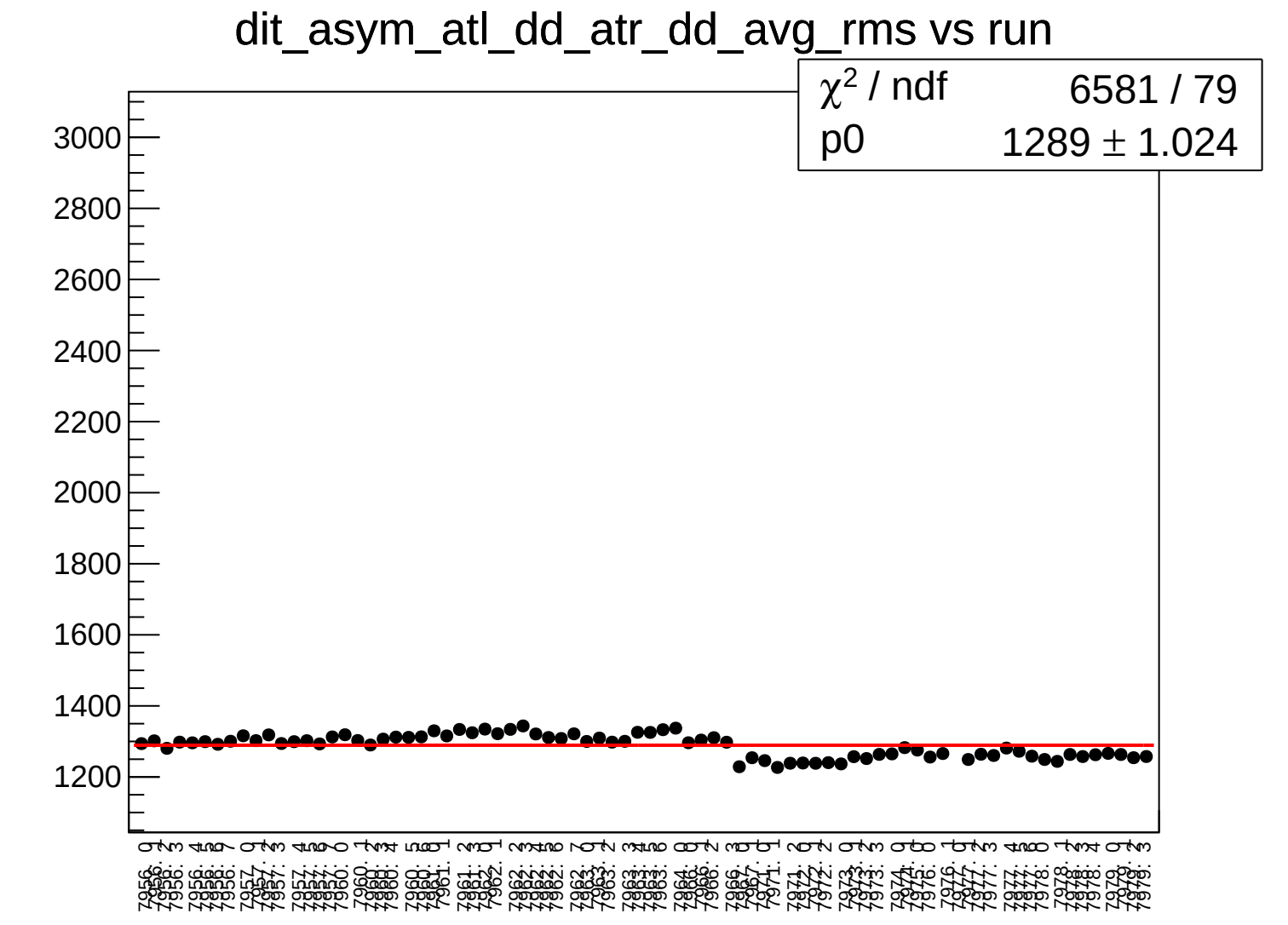

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.73 / 79
p0 −729.5 ± 2230
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 294.7
Std Dev 243.3
2
1
0
−1
−2

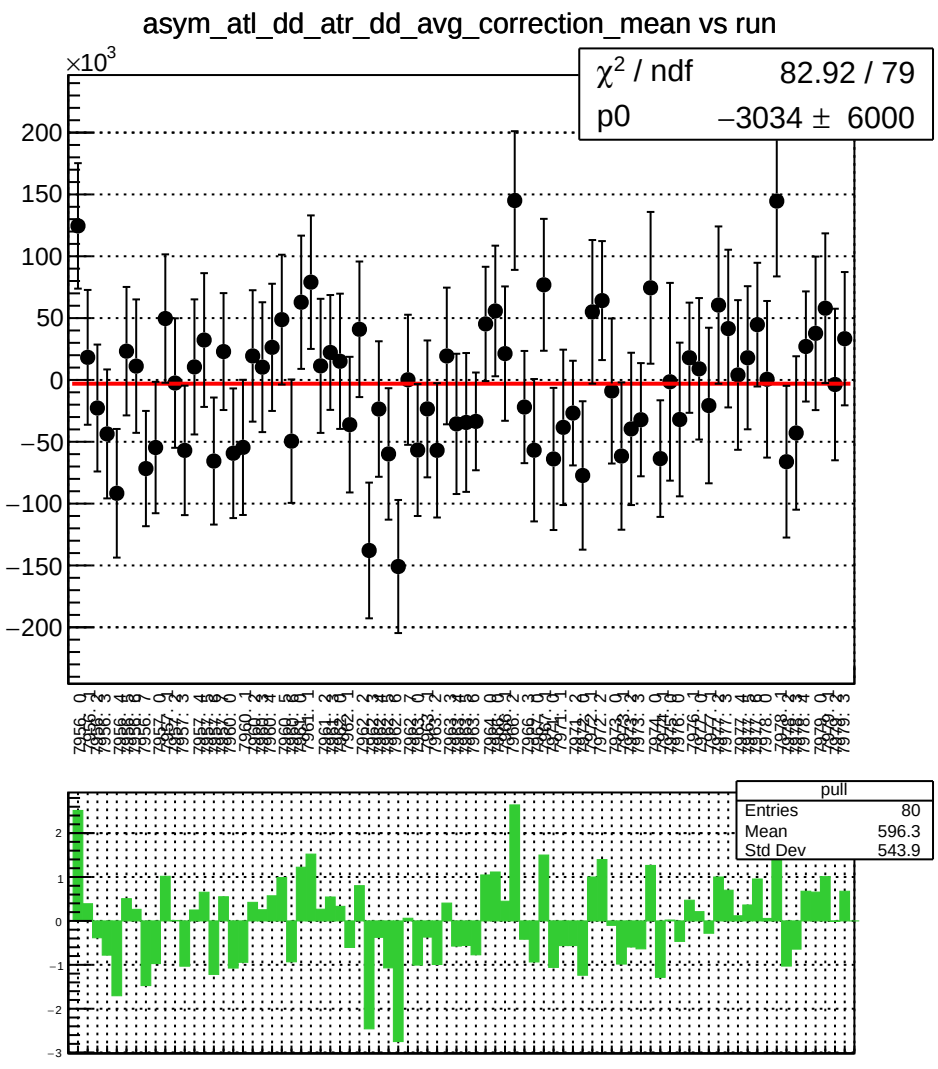

pull1D
Entries 80
Mean −0.006428
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

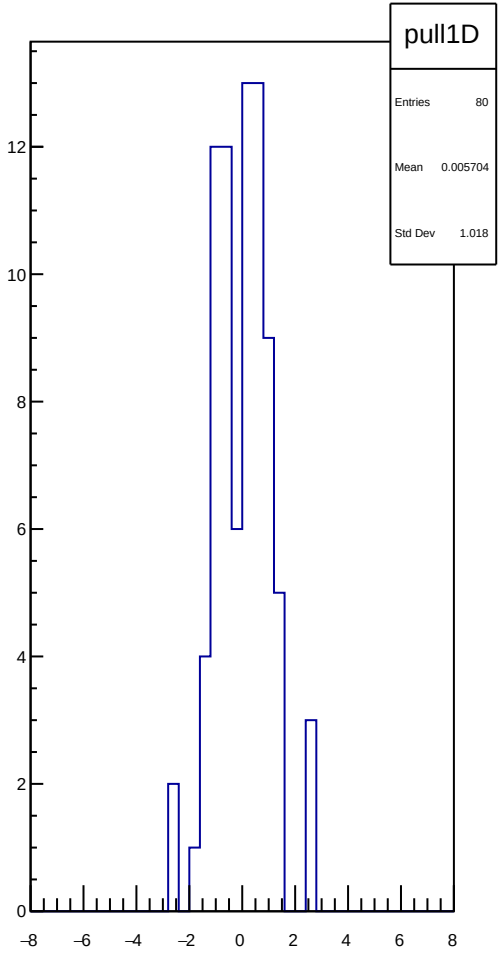

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3794 / 79
p0 1987 ± 1.577
3400
3200
3000
2800
2600
2400
2200
2000
1800

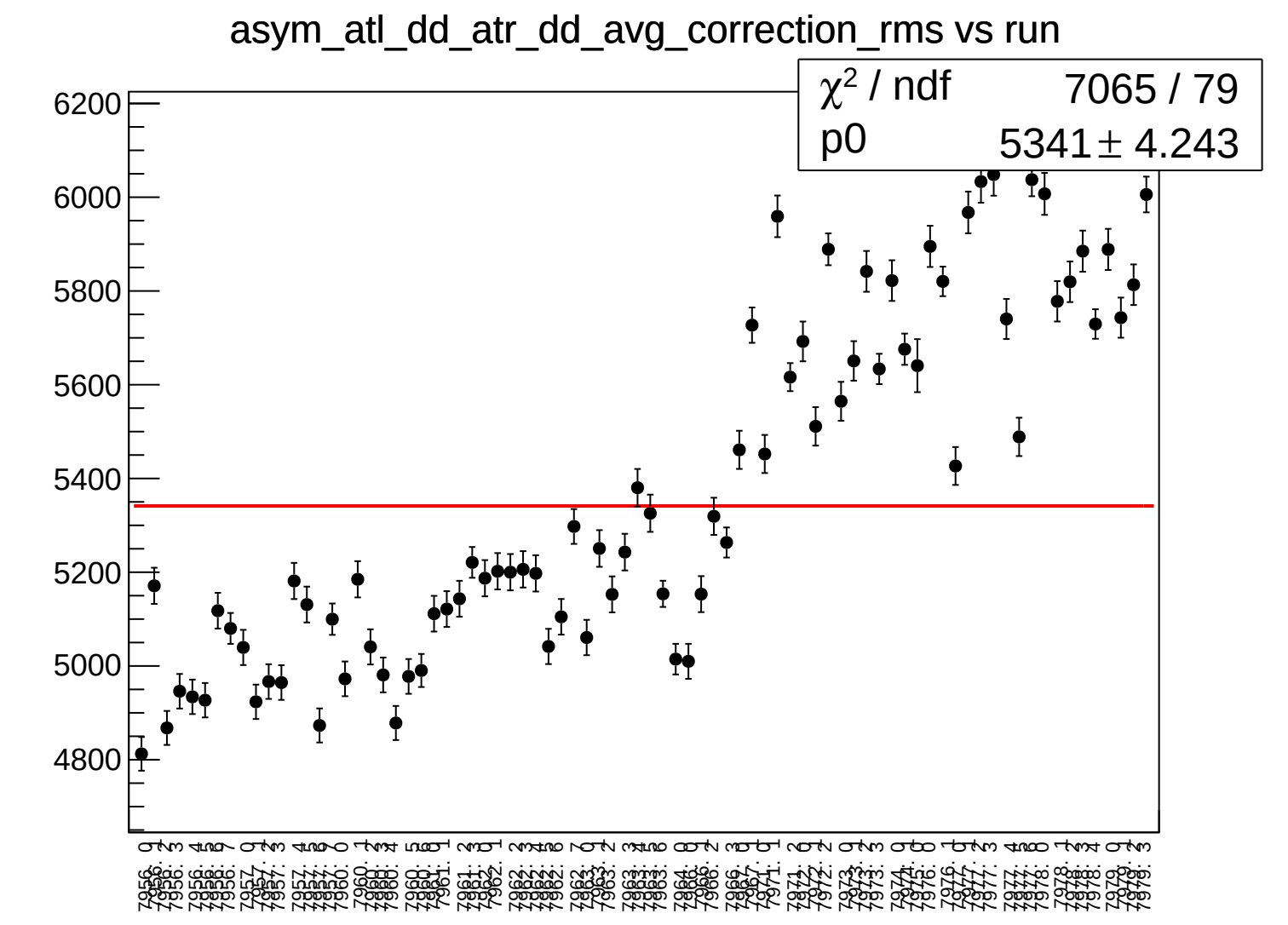

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 77.66 / 79
p0 645.8 ± 1448
pull
Entries 80
Mean −43.12
Std Dev 86.36

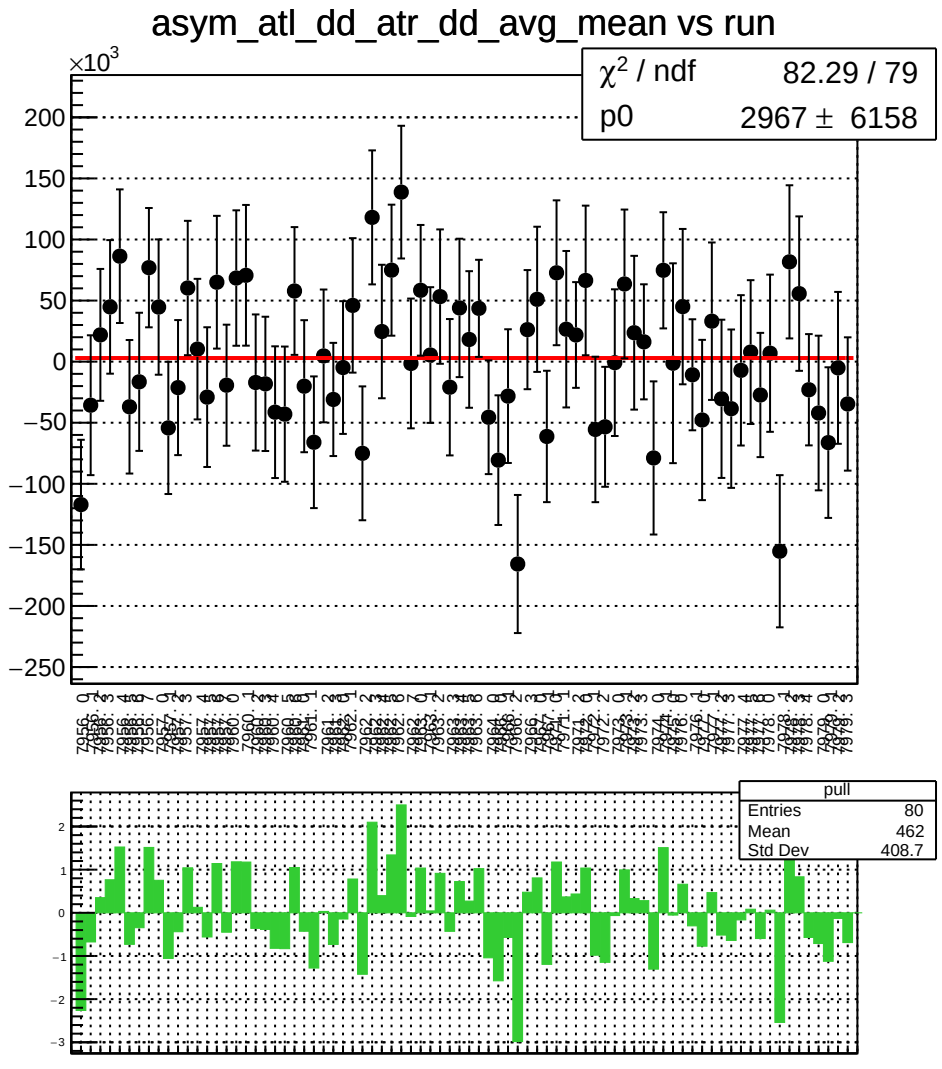

pull1D
Entries 80
Mean −0.02548
Std Dev 0.985

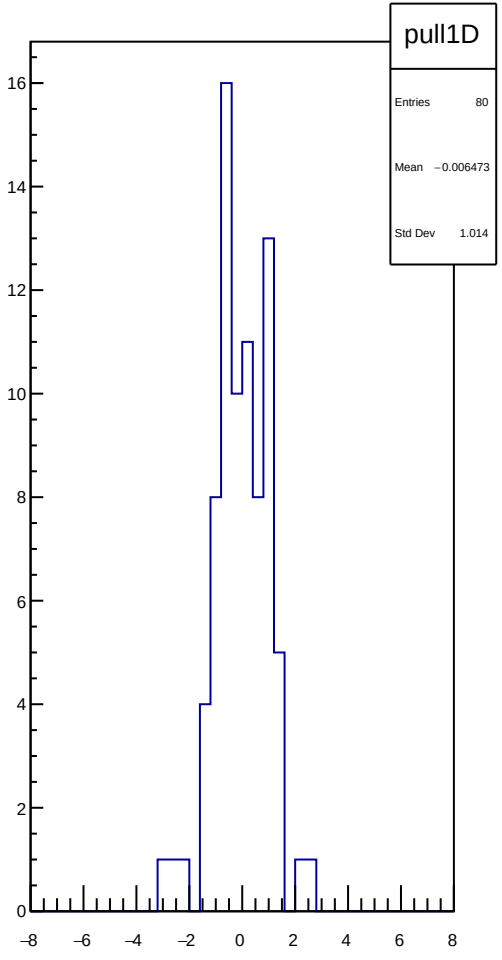

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6581 / 79
p0 1289 ± 1.024
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

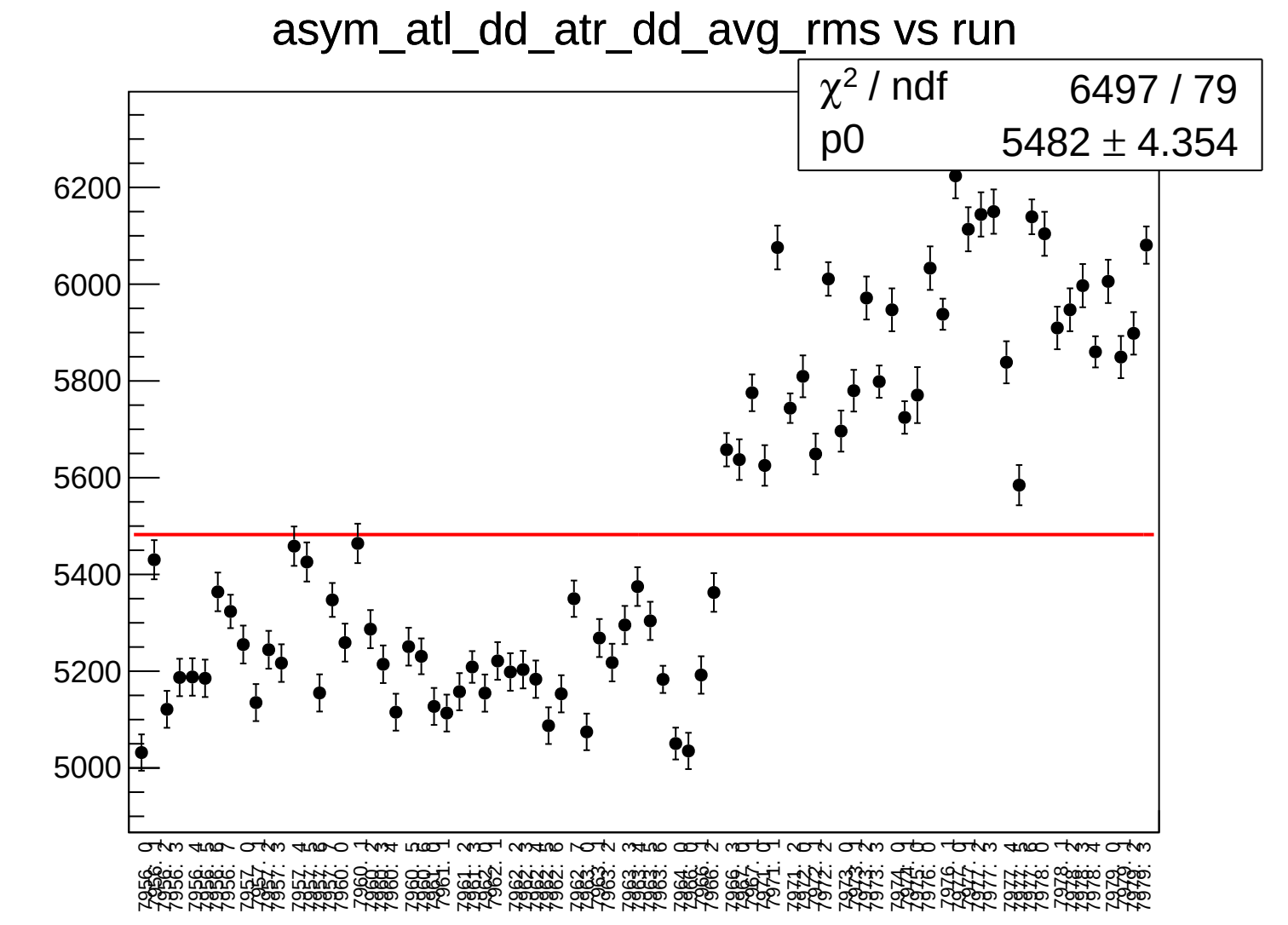

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 82.92 / 79
p0 −3034 ± 6000
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 596.3
Std Dev 543.9
2
1
0
−1
−2
−3

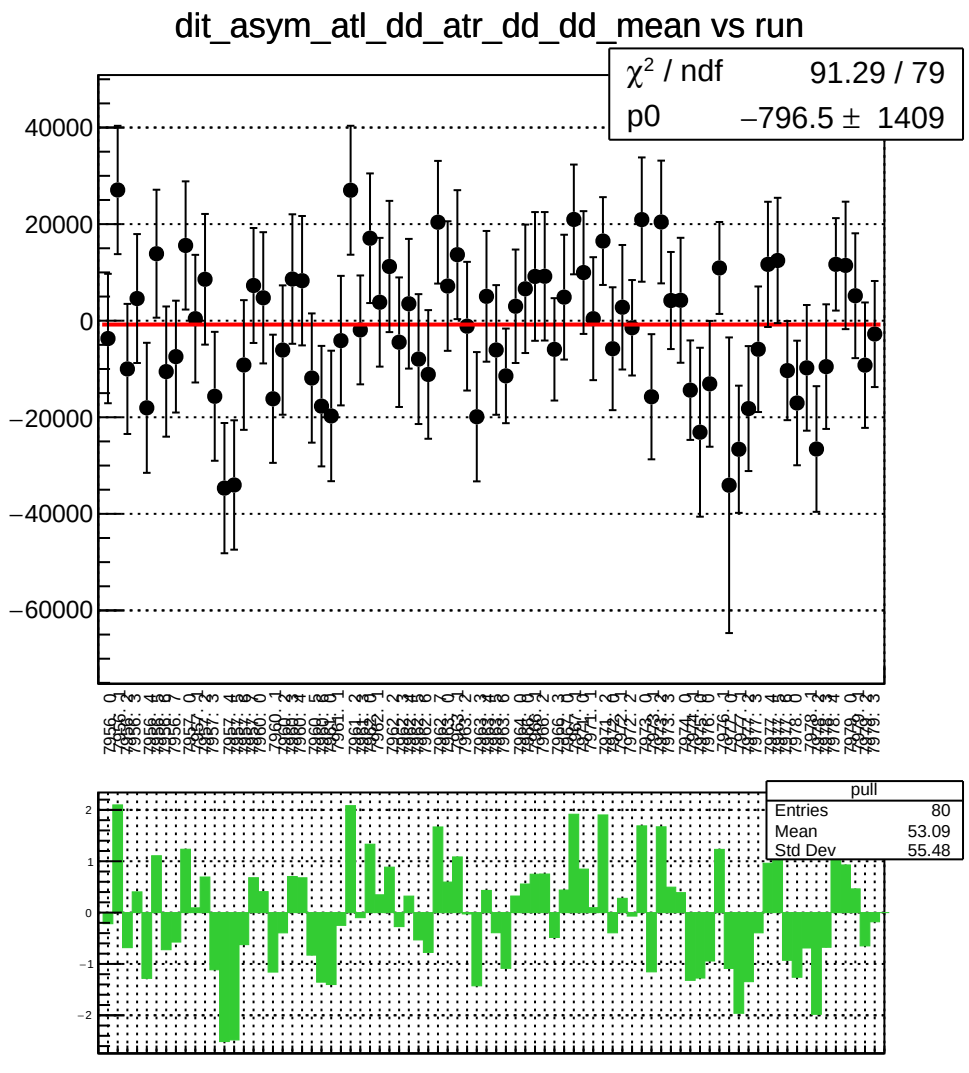

pull1D
Entries 80
Mean 0.005704
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

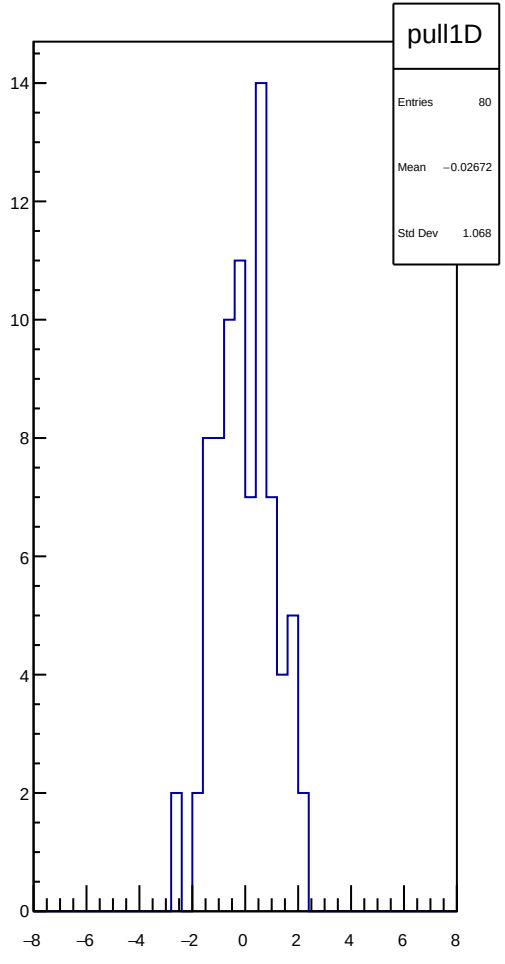

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 7065 / 79
p0 5341 ± 4.243
6200
6000
5800
5600
5400
5200
5000
4800

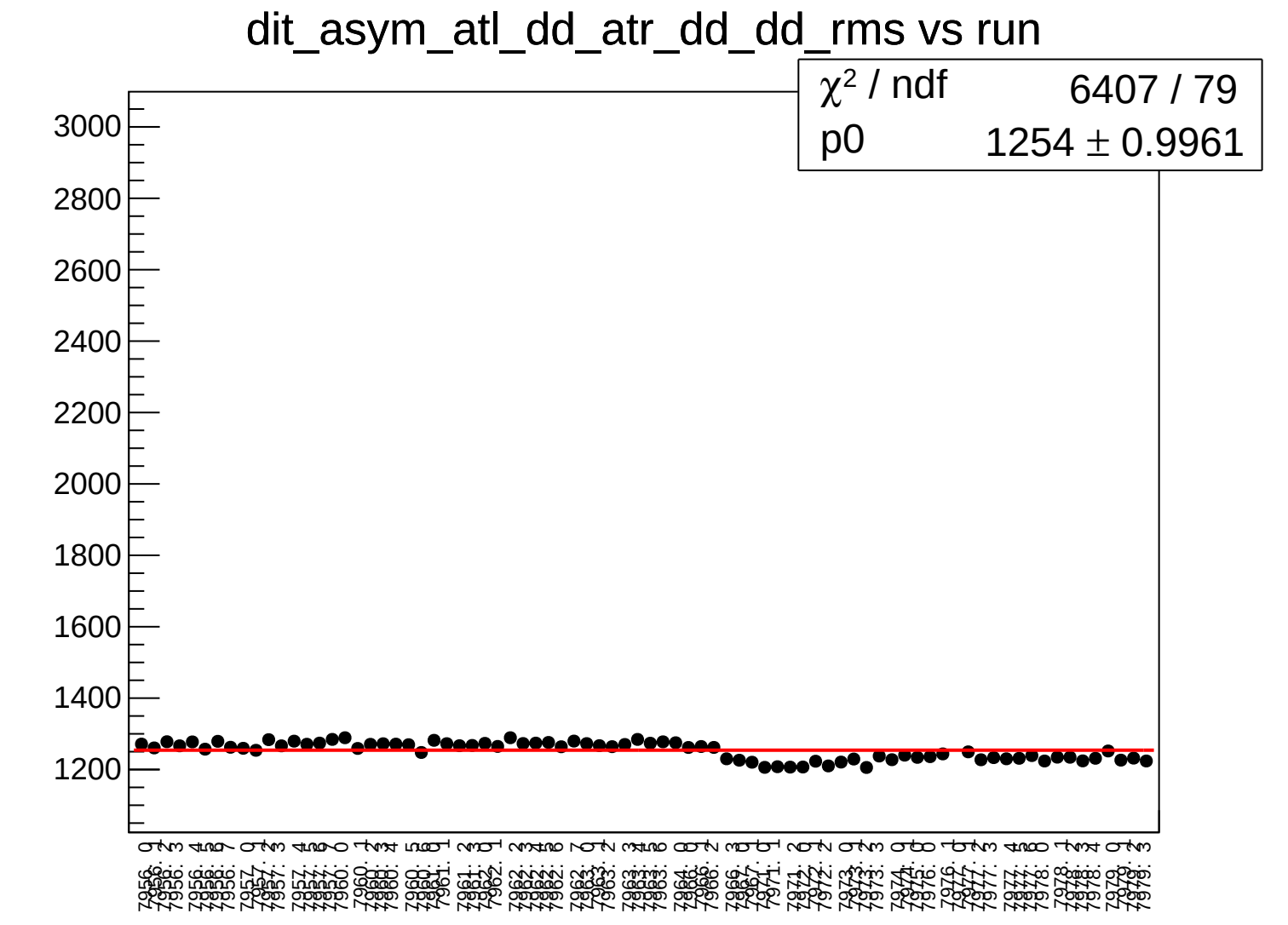

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 82.29 / 79
p0 2967 ± 6158
pull
Entries 80
Mean 462
Std Dev 408.7

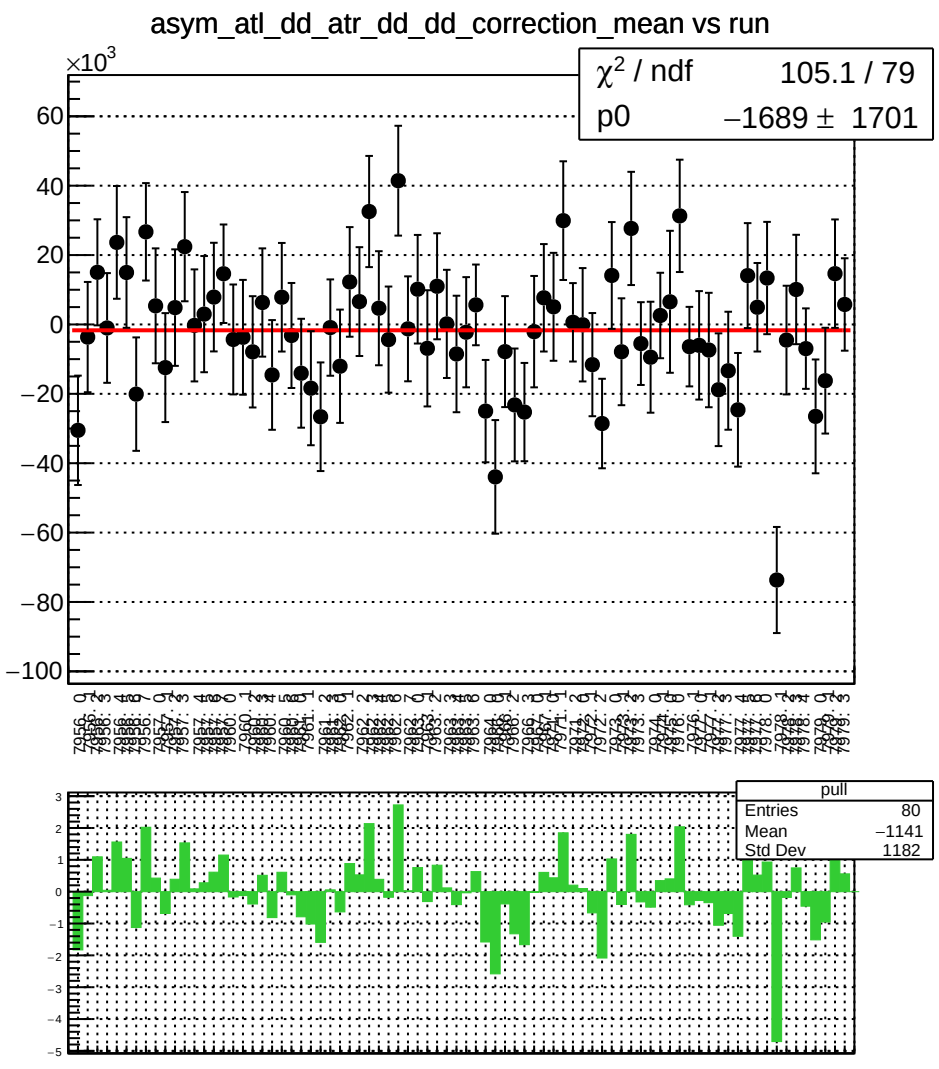

pull1D
Entries 80
Mean −0.006473
Std Dev 1.014

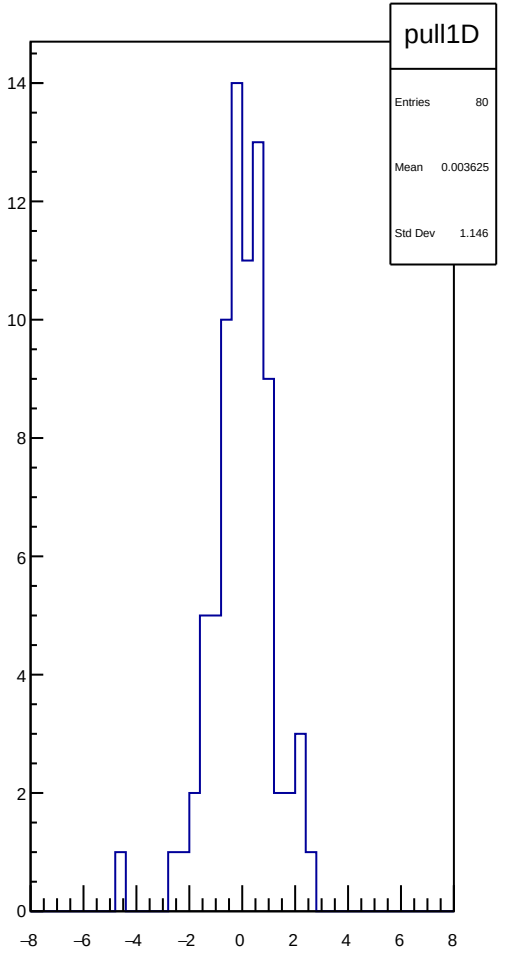

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 6497 / 79
p0 5482 ± 4.354
6200
6000
5800
5600
5400
5200
5000

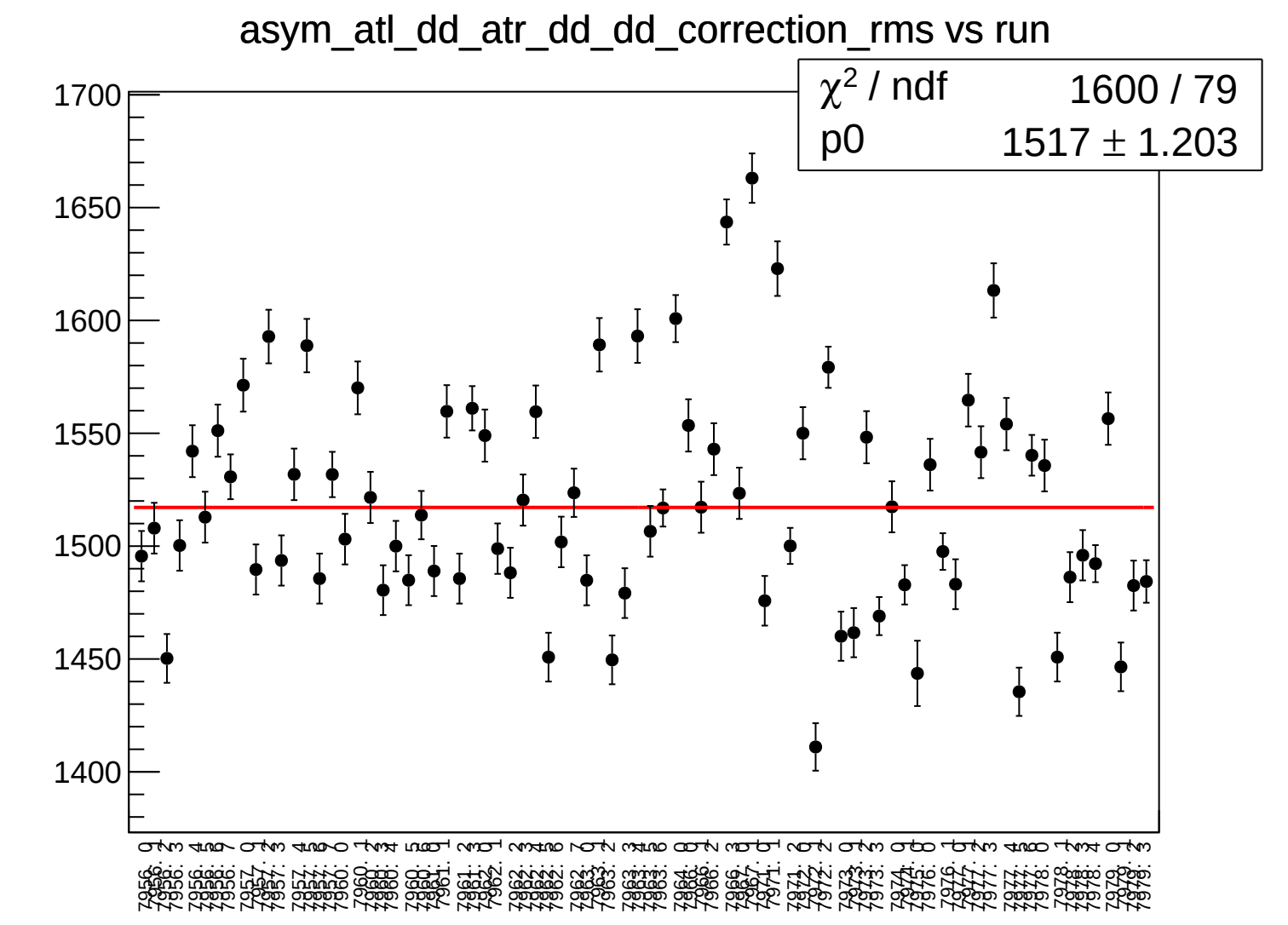

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.29 / 79
p0 −796.5 ± 1409
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 53.09
Std Dev 55.48
2
1
0
−1
−2

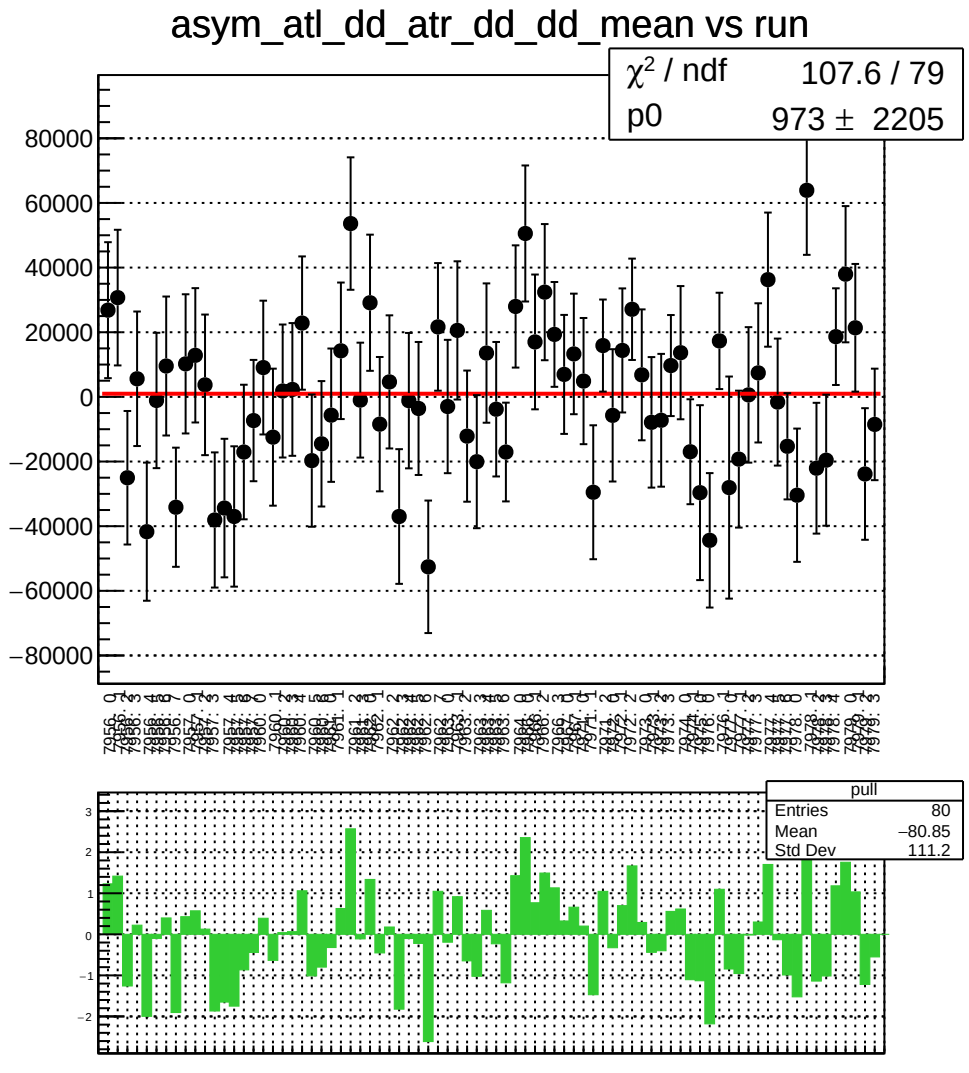

pull1D
Entries 80
Mean −0.02672
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

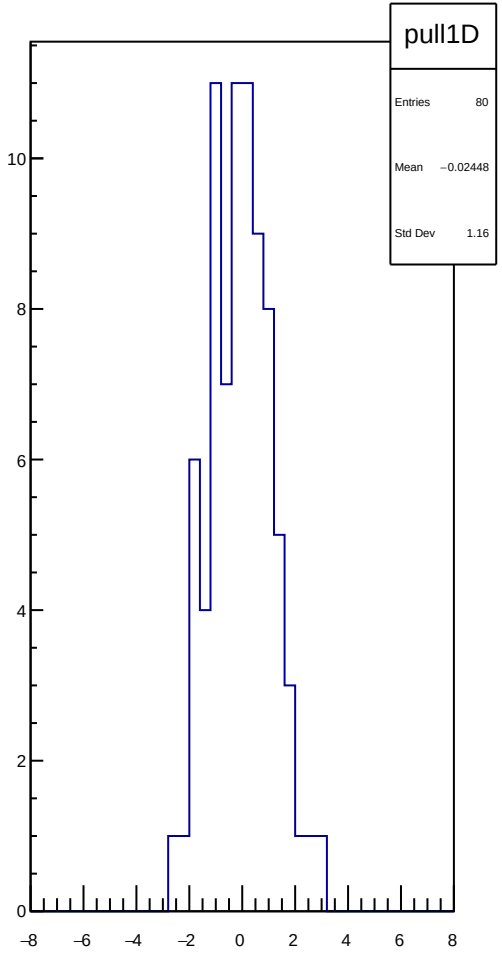

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6407 / 79
p0 1254 ± 0.9961
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

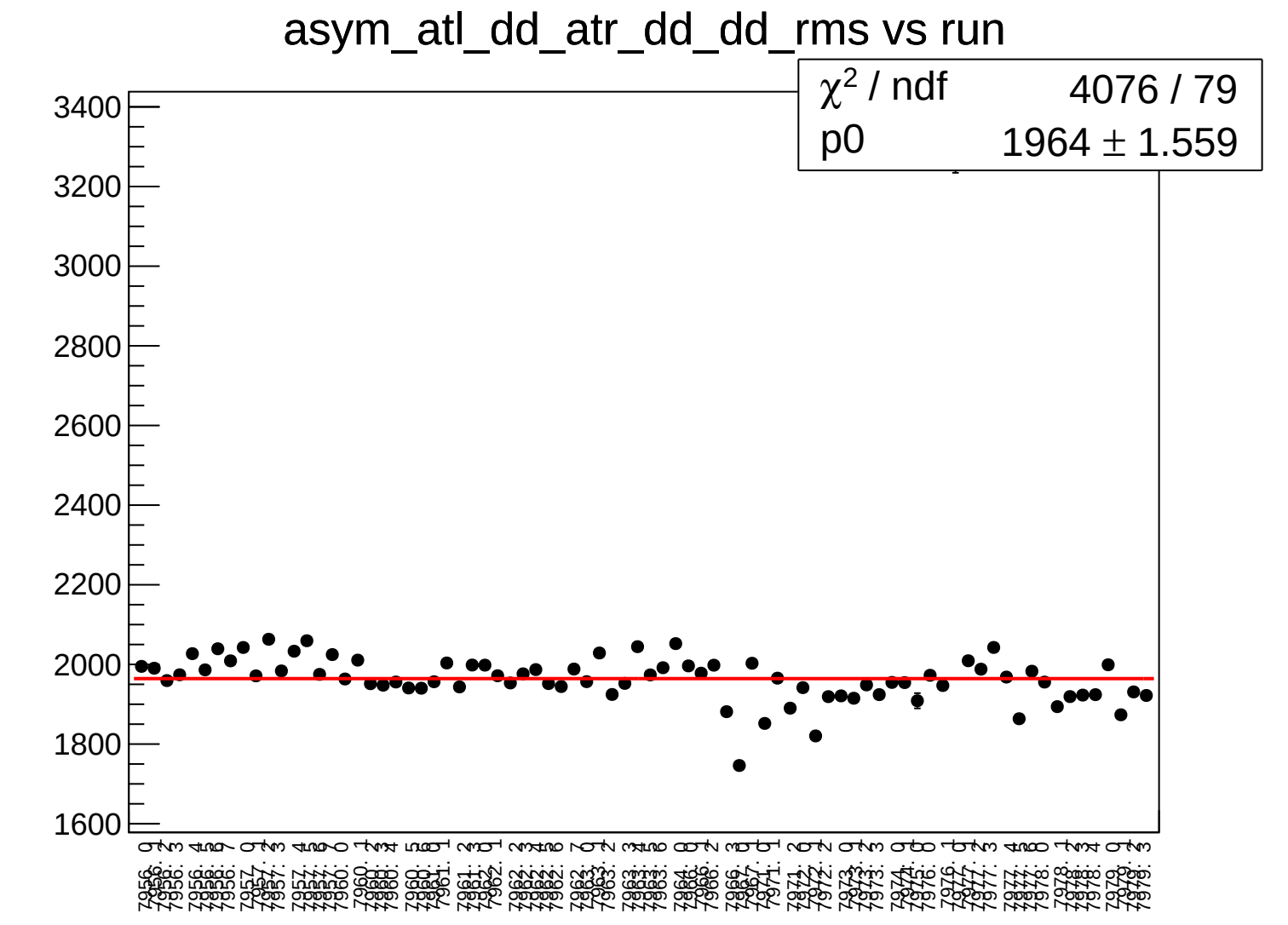

asym_atl_dd_atr_dd_dd_correction_mean vs run
×10^3
χ² / ndf 105.1 / 79
p0 −1689 ± 1701
pull
Entries 80
Mean −1141
Std Dev 1182

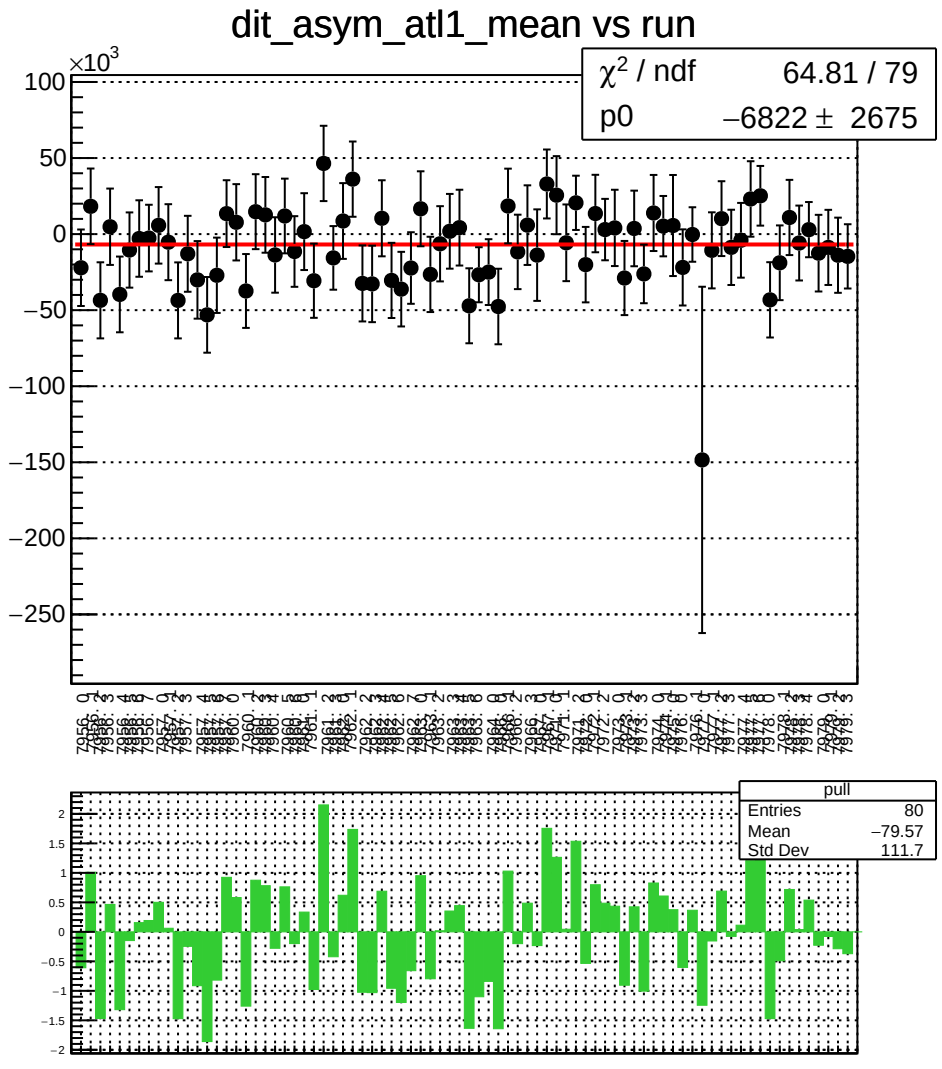

pull1D
Entries 80
Mean 0.003625
Std Dev 1.146

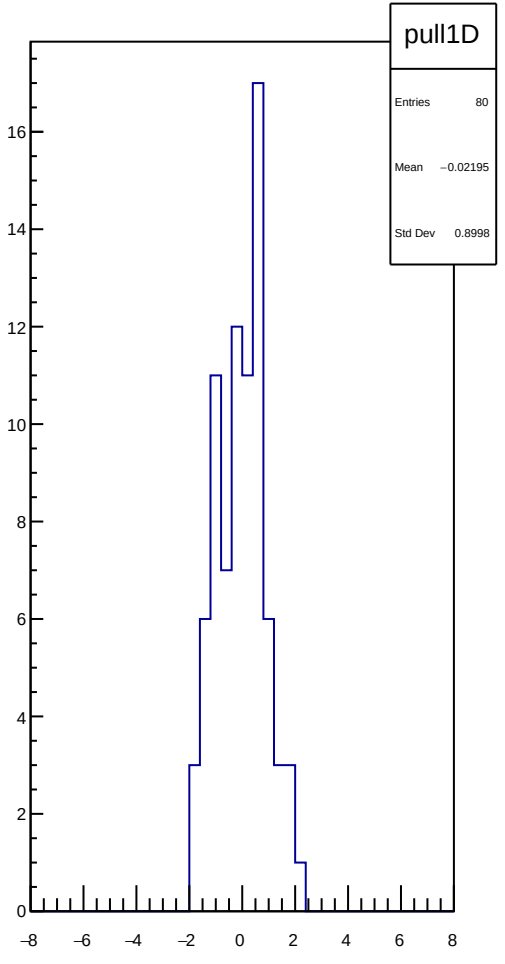

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1600 / 79
p0 1517 ± 1.203
1700
1650
1600
1550
1500
1450
1400

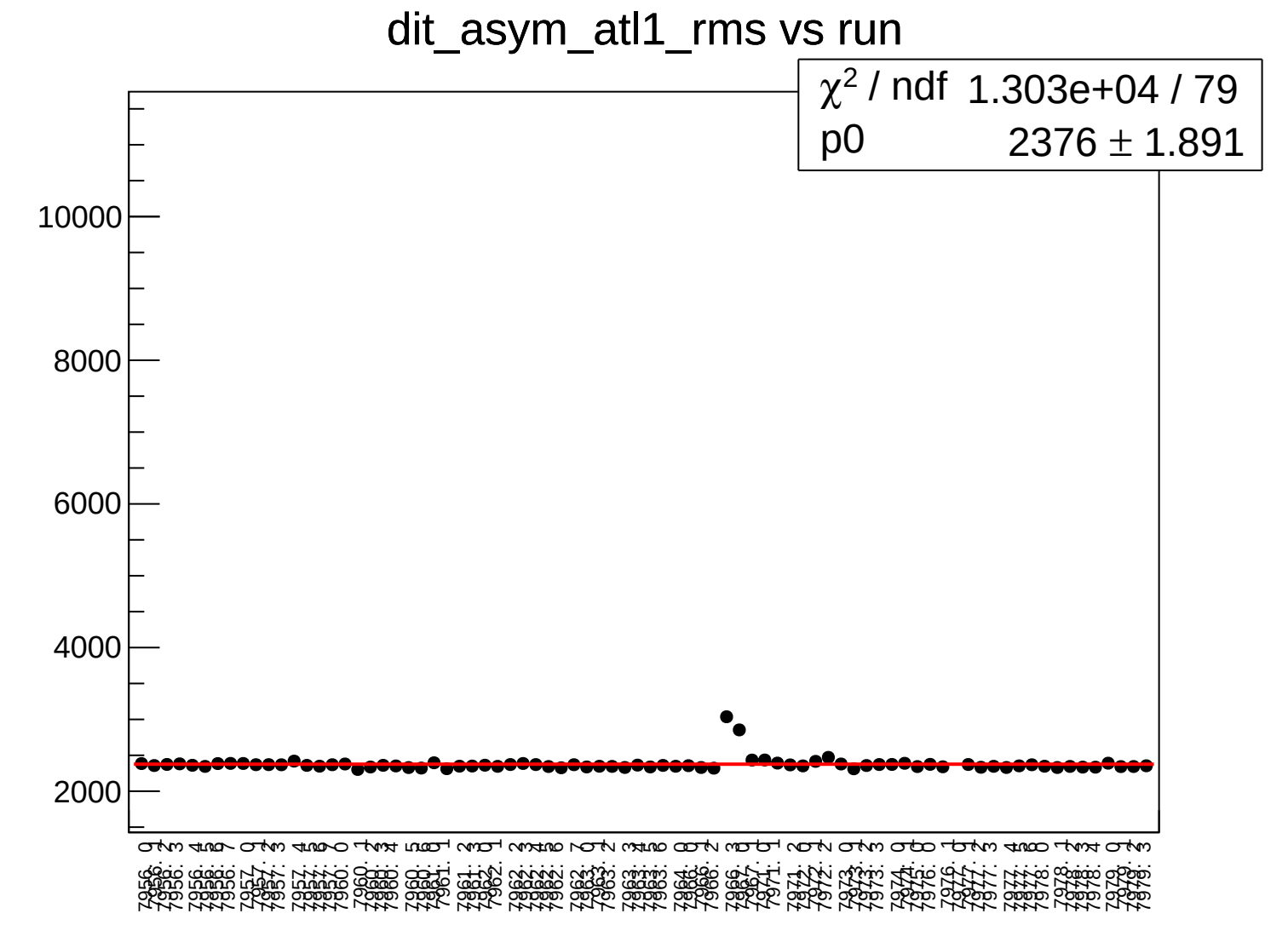

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 107.6 / 79
p0 973 ± 2205
pull
Entries 80
Mean −80.85
Std Dev 111.2

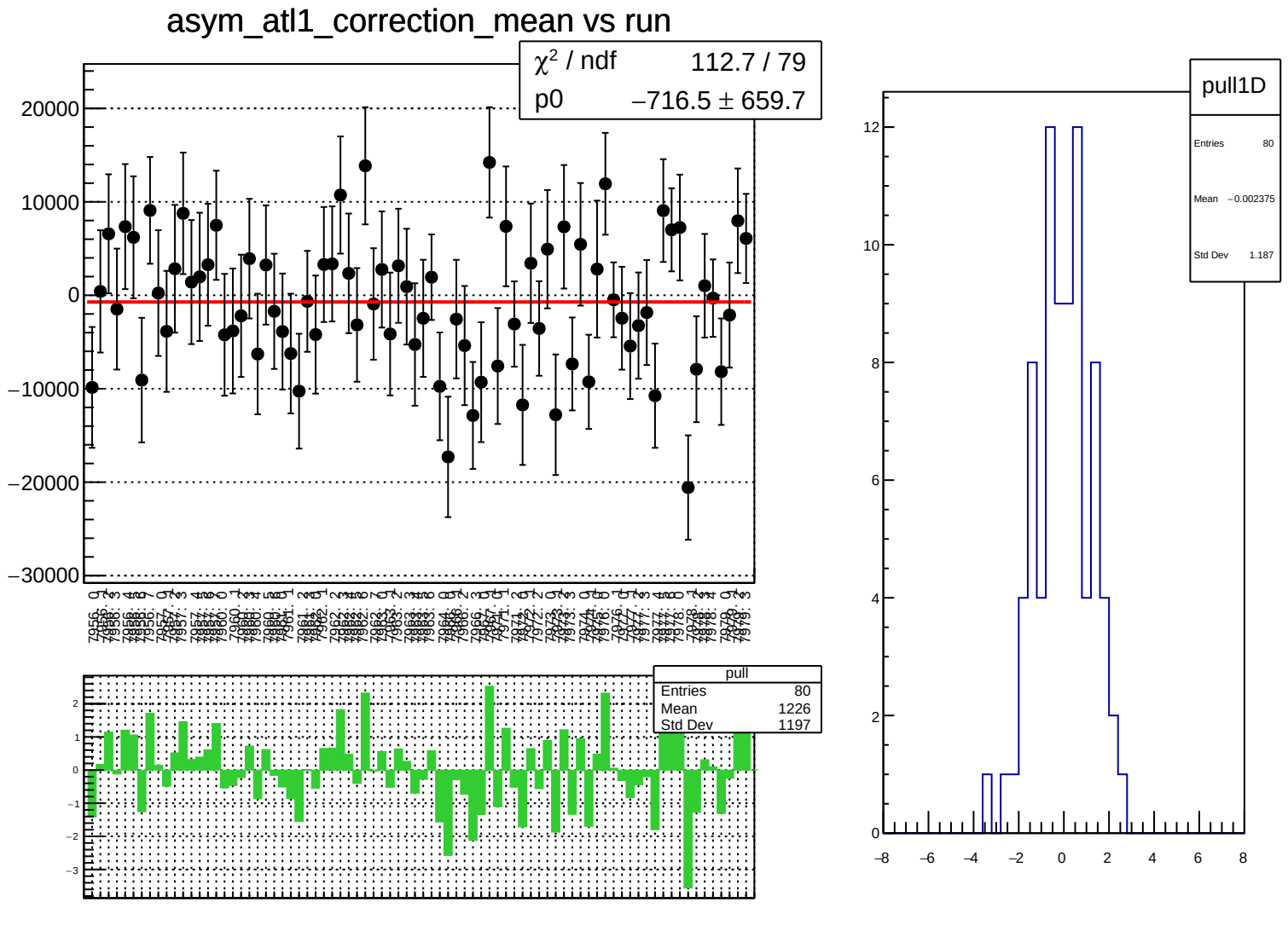

pull1D
Entries 80
Mean −0.02448
Std Dev 1.16

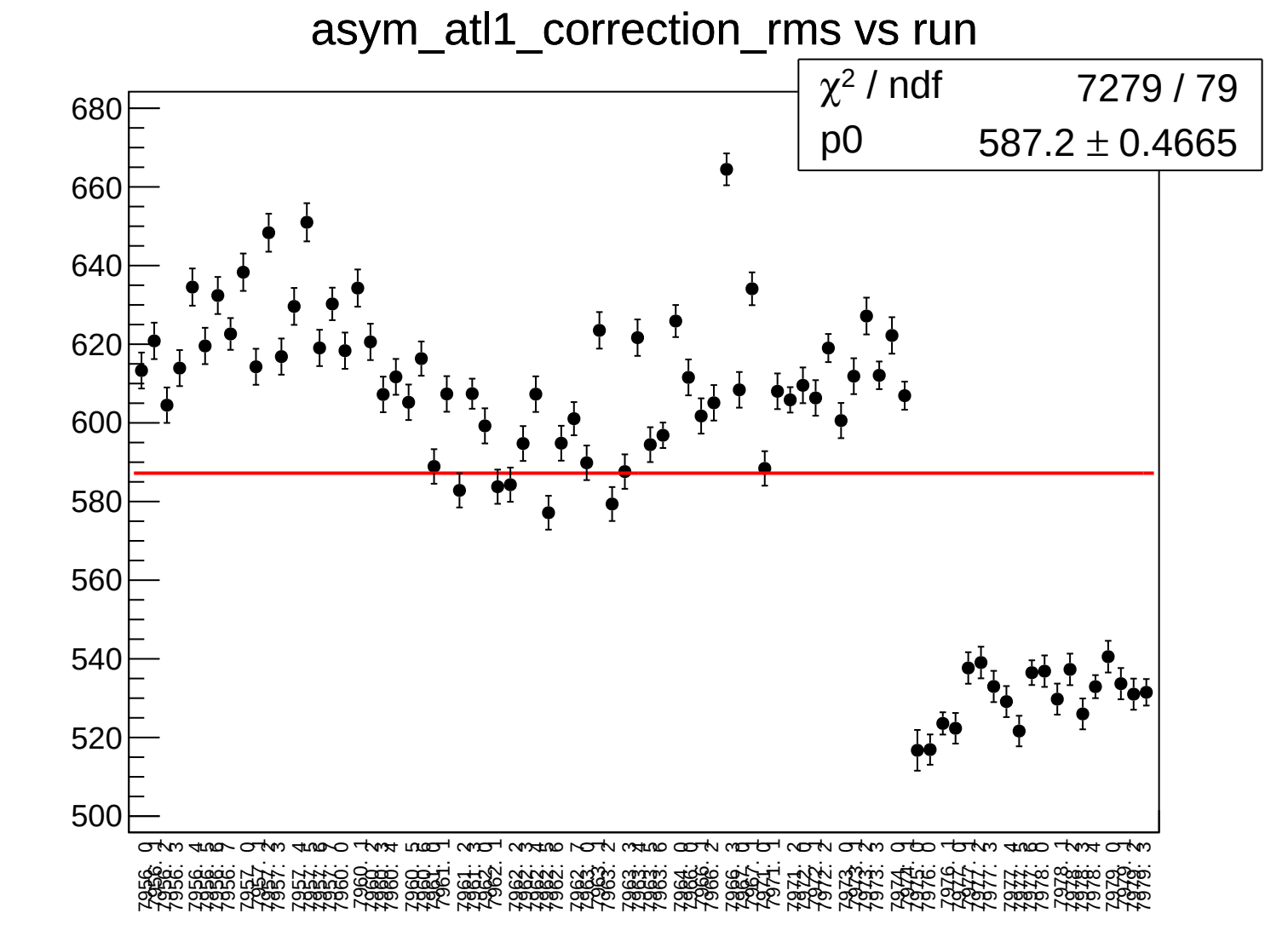

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 4076 / 79
p0 1964 ± 1.559
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

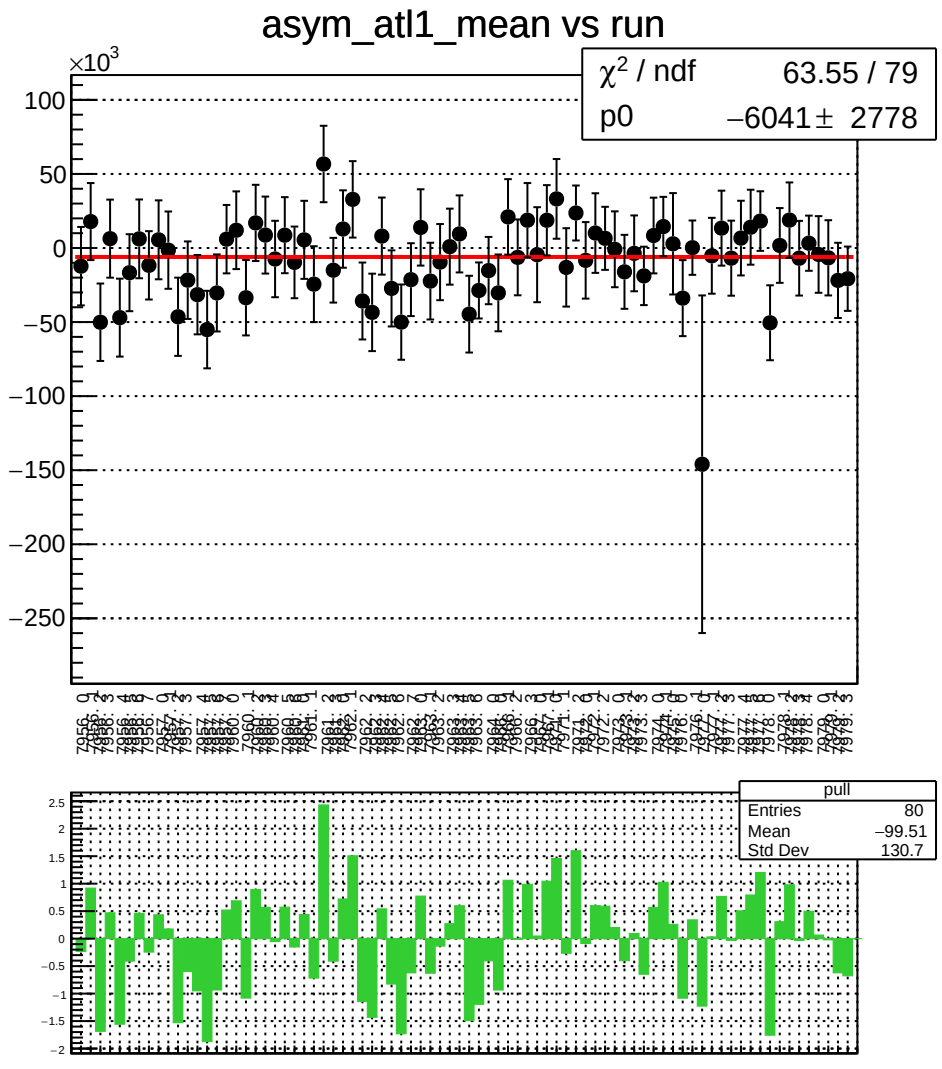

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 64.81 / 79
p0 −6822 ± 2675
pull
Entries 80
Mean −79.57
Std Dev 111.7

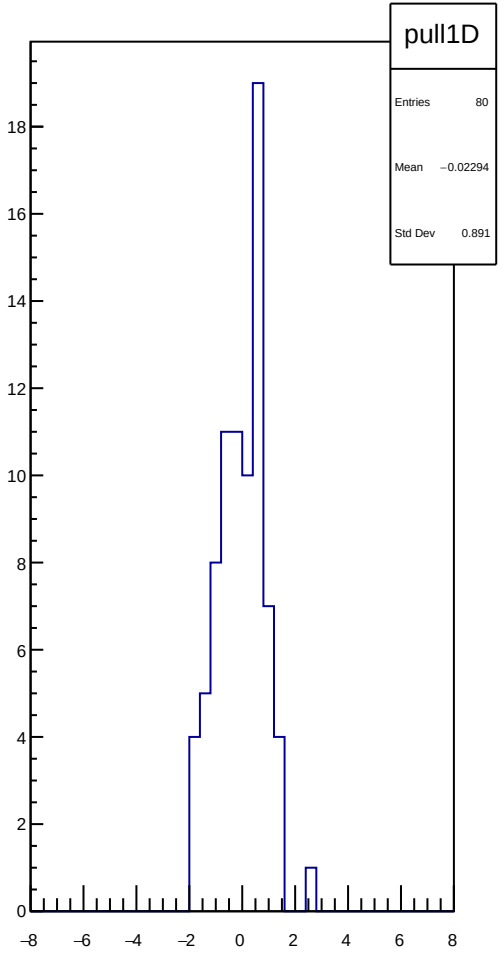

pull1D
Entries 80
Mean −0.02195
Std Dev 0.8998

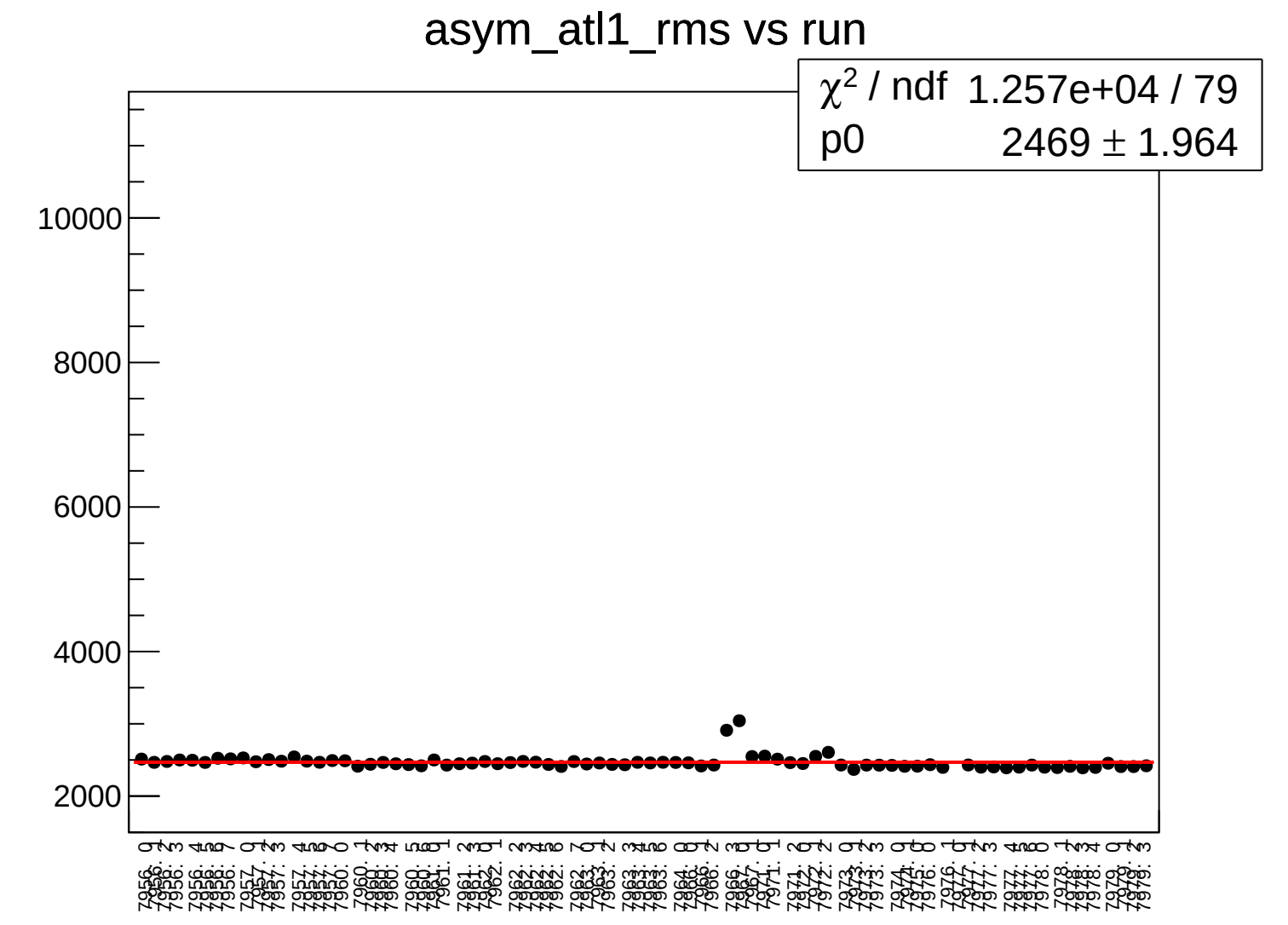

dit_asym_atl1_rms vs run
χ² / ndf 1.303e+04 / 79
p0 2376 ± 1.891
10000
8000
6000
4000
2000

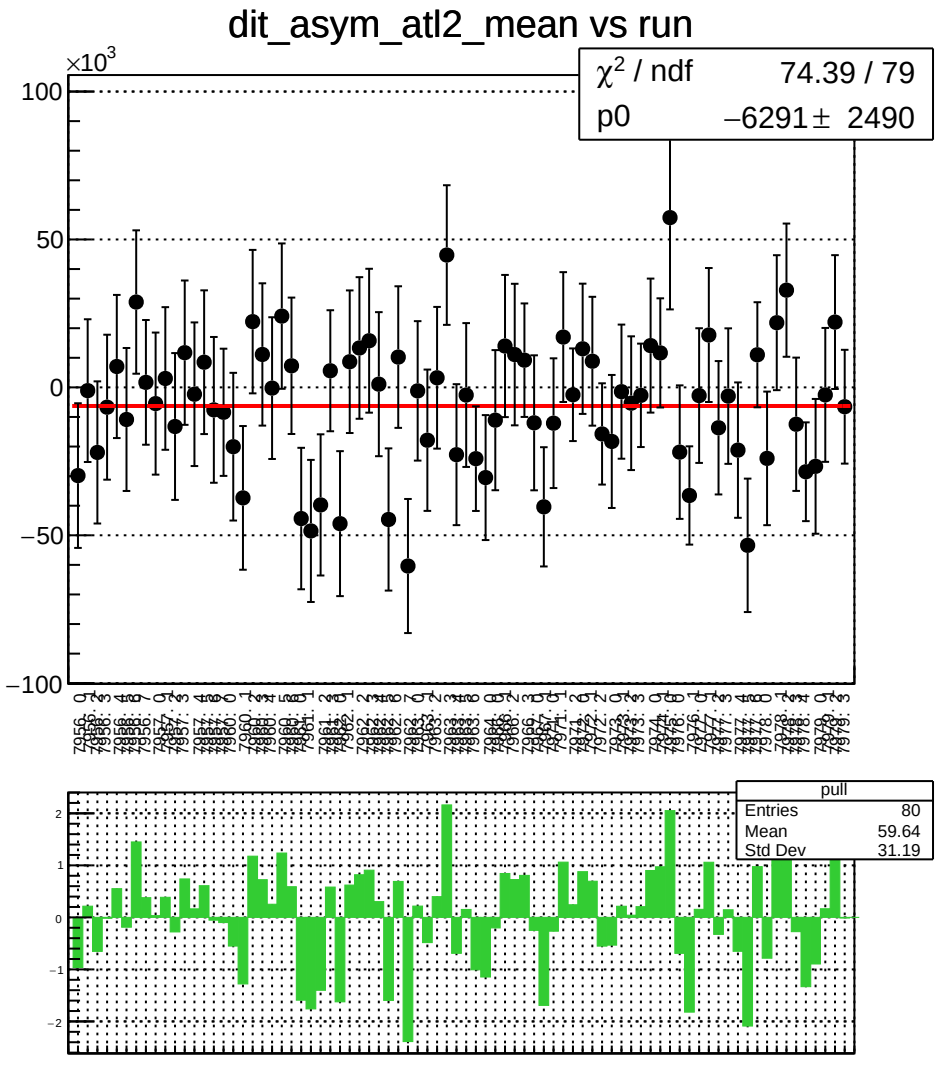

asym_atl1_correction_mean vs run
χ² / ndf 112.7 / 79
p0 −716.5 ± 659.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 1226
Std Dev 1197
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.002375
Std Dev 1.187
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

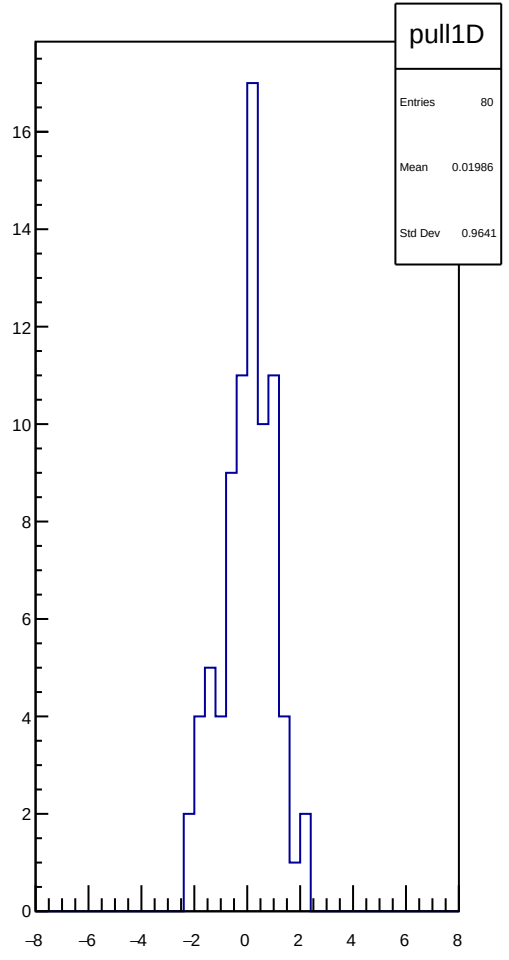

asym_atl1_correction_rms vs run
χ² / ndf 7279 / 79
p0 587.2 ± 0.4665
680
660
640
620
600
580
560
540
520
500

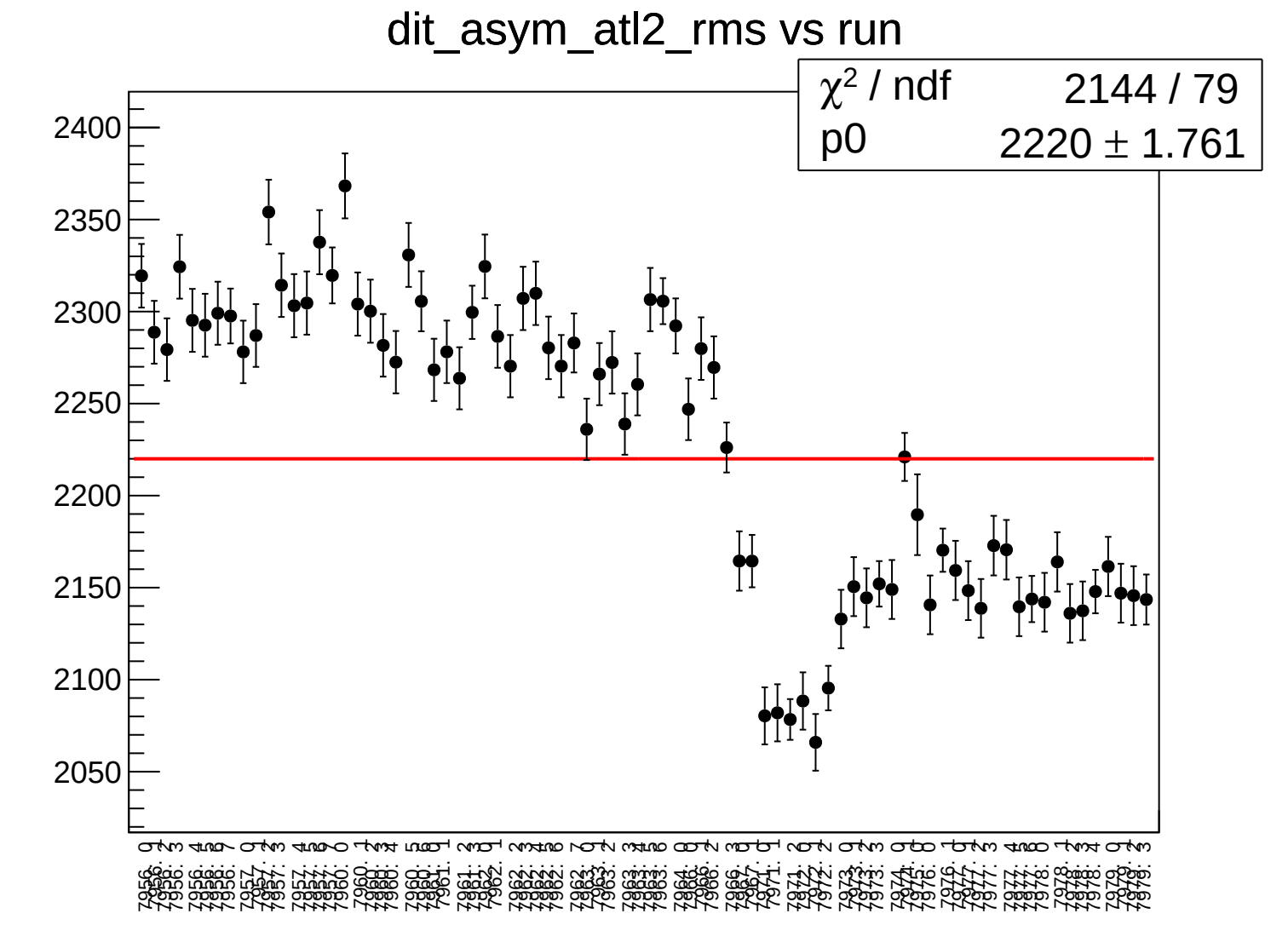

asym_atl1_mean vs run
×10^3
χ^2 / ndf 63.55 / 79
p0 −6041 ± 2778
pull
Entries 80
Mean −99.51
Std Dev 130.7

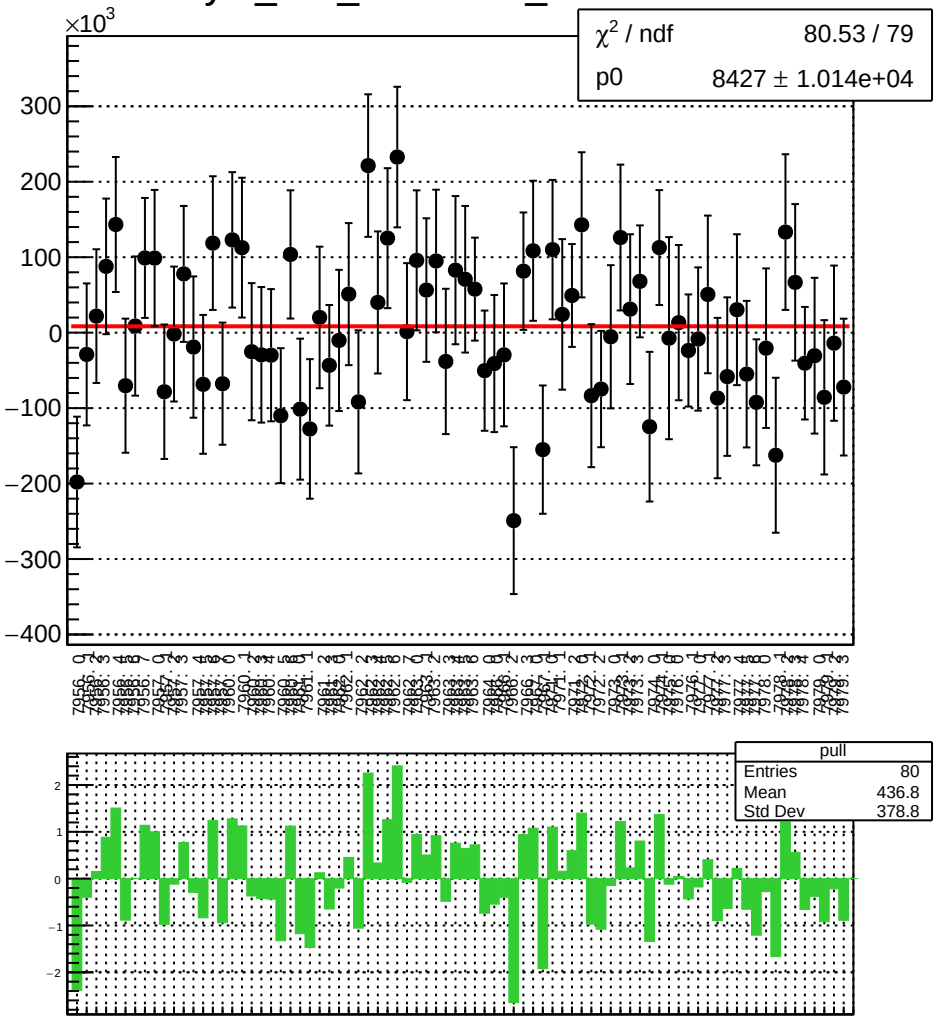

pull1D
Entries 80
Mean −0.02294
Std Dev 0.891

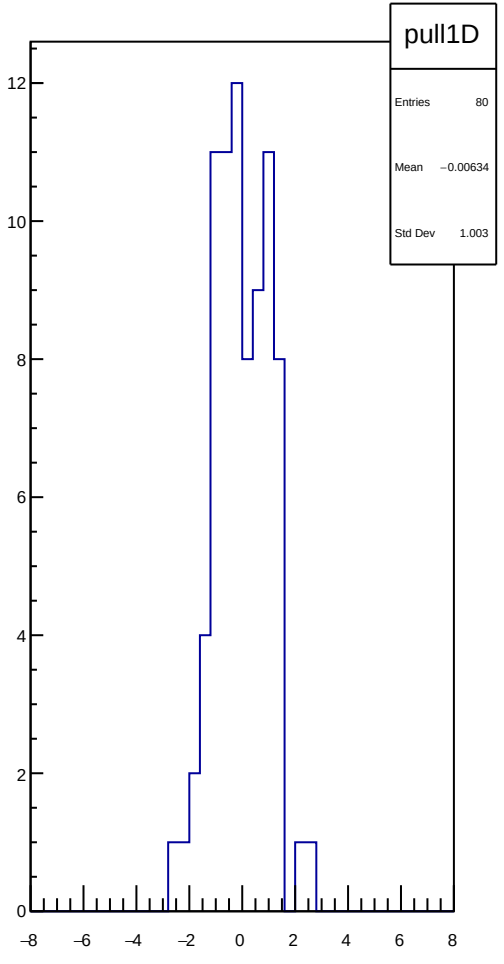

asym_atl1_rms vs run
χ² / ndf 1.257e+04 / 79
p0 2469 ± 1.964
10000
8000
6000
4000
2000

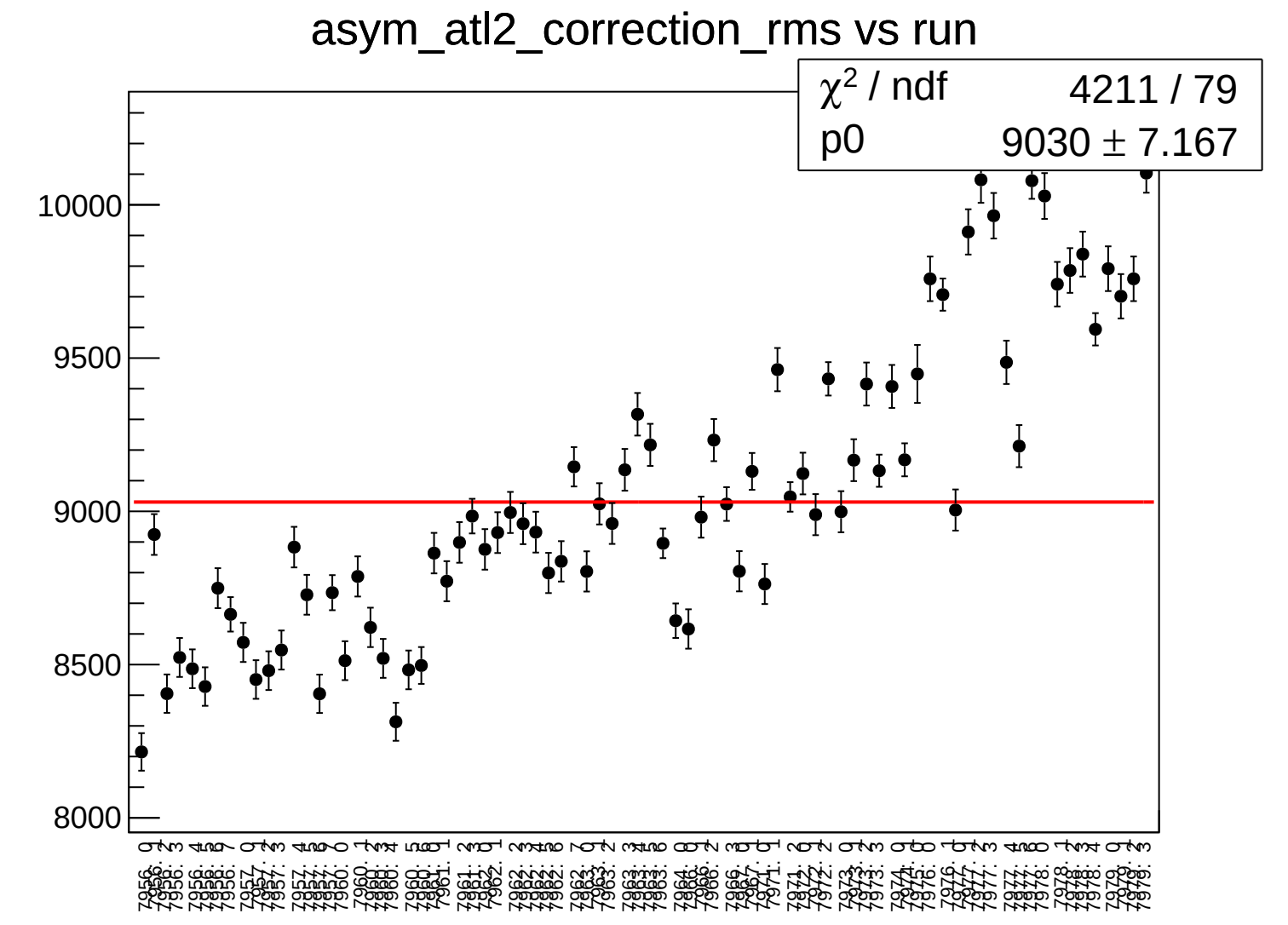

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 74.39 / 79
p0 −6291 ± 2490
100
50
0
−50
−100
pull
Entries 80
Mean 59.64
Std Dev 31.19
2
1
0
−1
−2

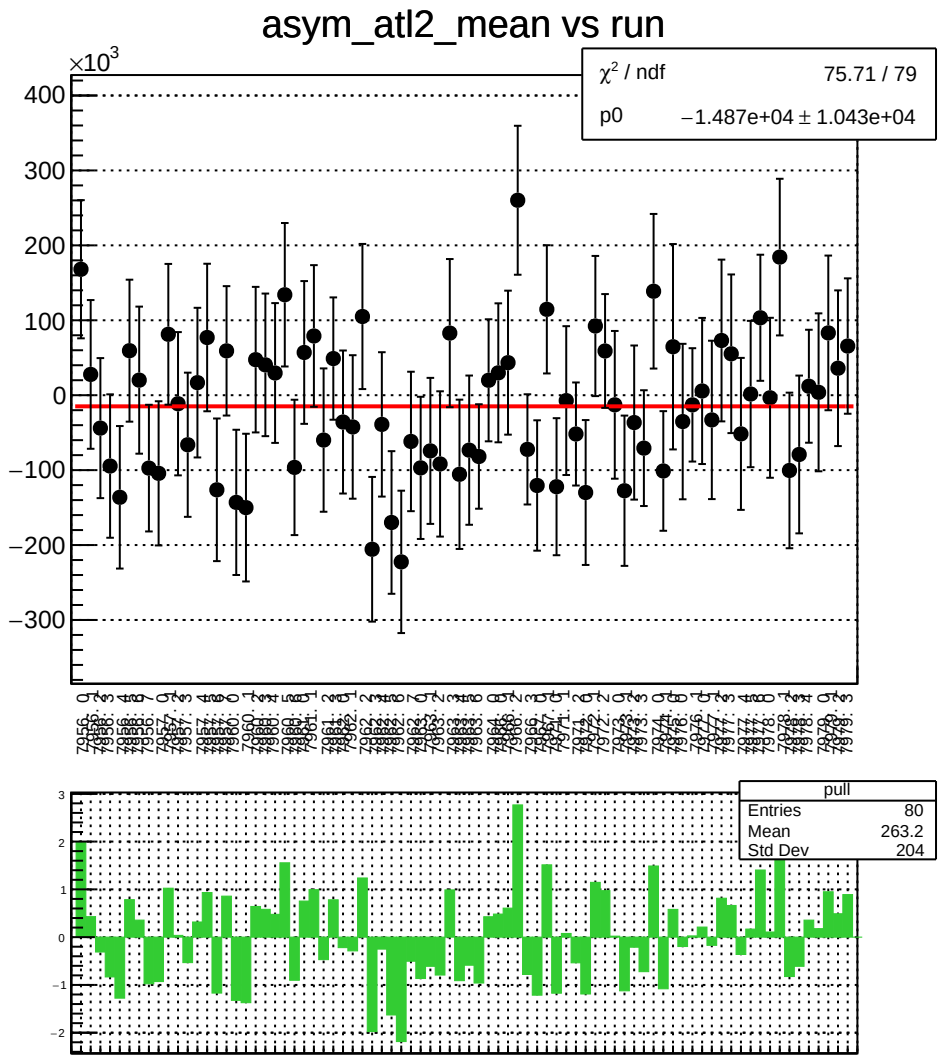

pull1D
Entries 80
Mean 0.01986
Std Dev 0.9641
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

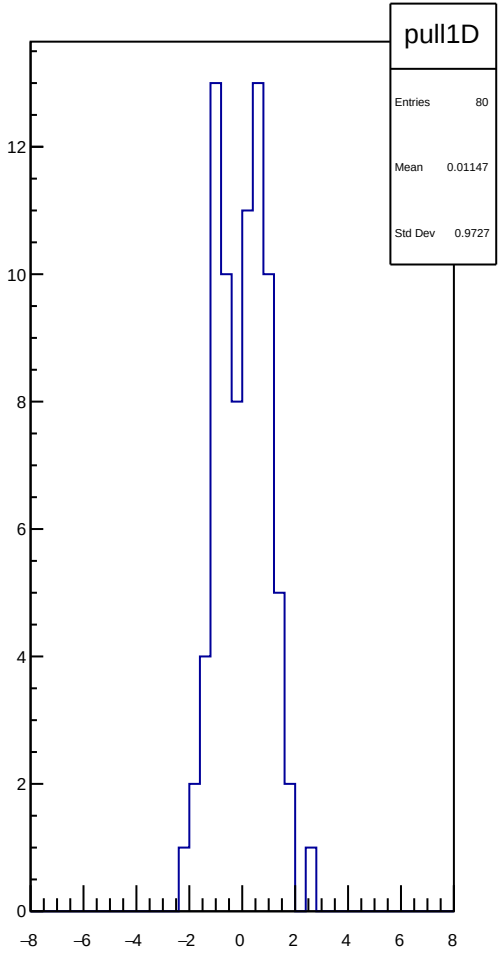

dit_asym_atl2_rms vs run
χ² / ndf 2144 / 79
p0 2220 ± 1.761
2400
2350
2300
2250
2200
2150
2100
2050

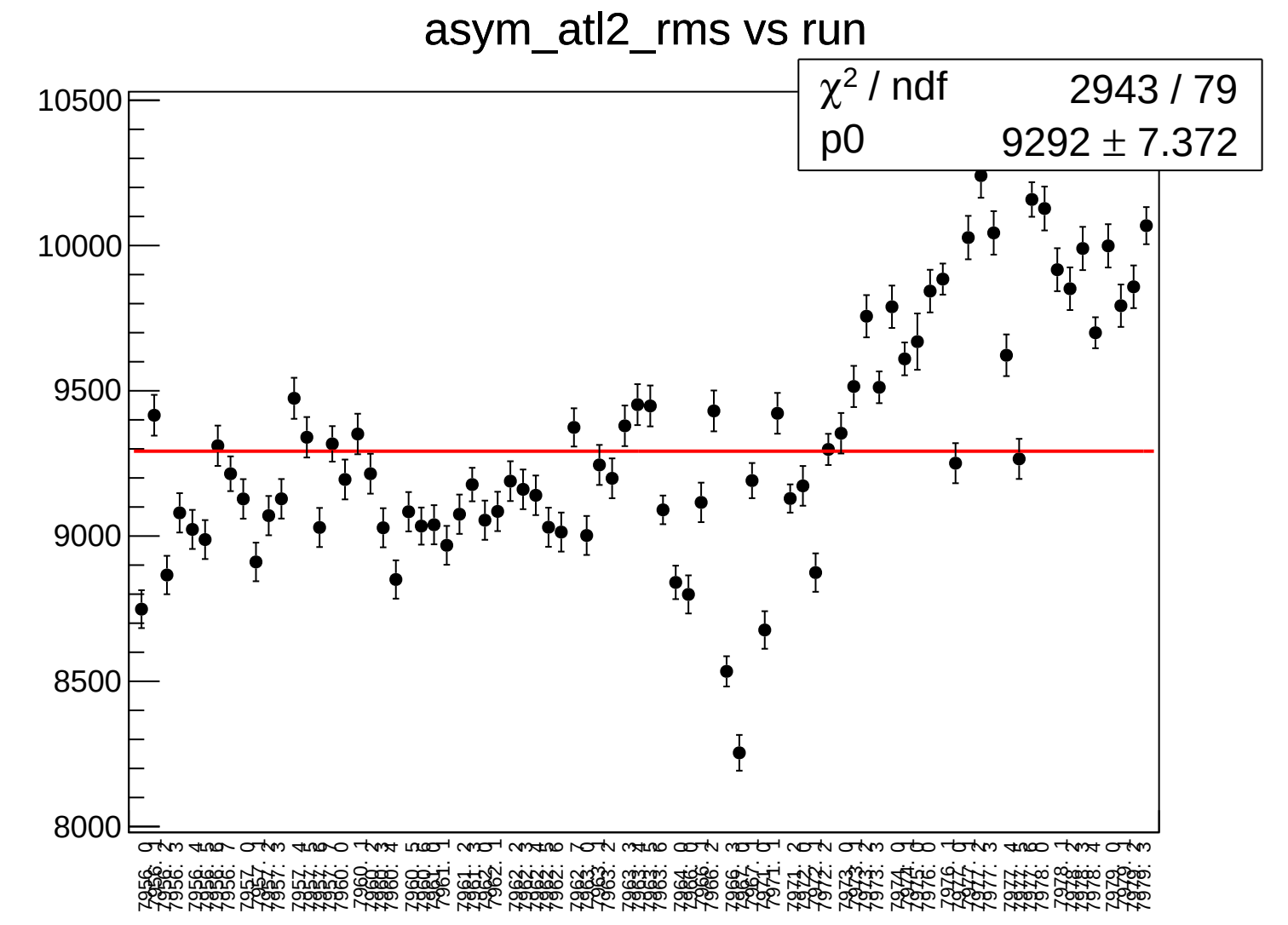

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 80.53 / 79
p0 8427 ± 1.014e+04
pull
Entries 80
Mean 436.8
Std Dev 378.8

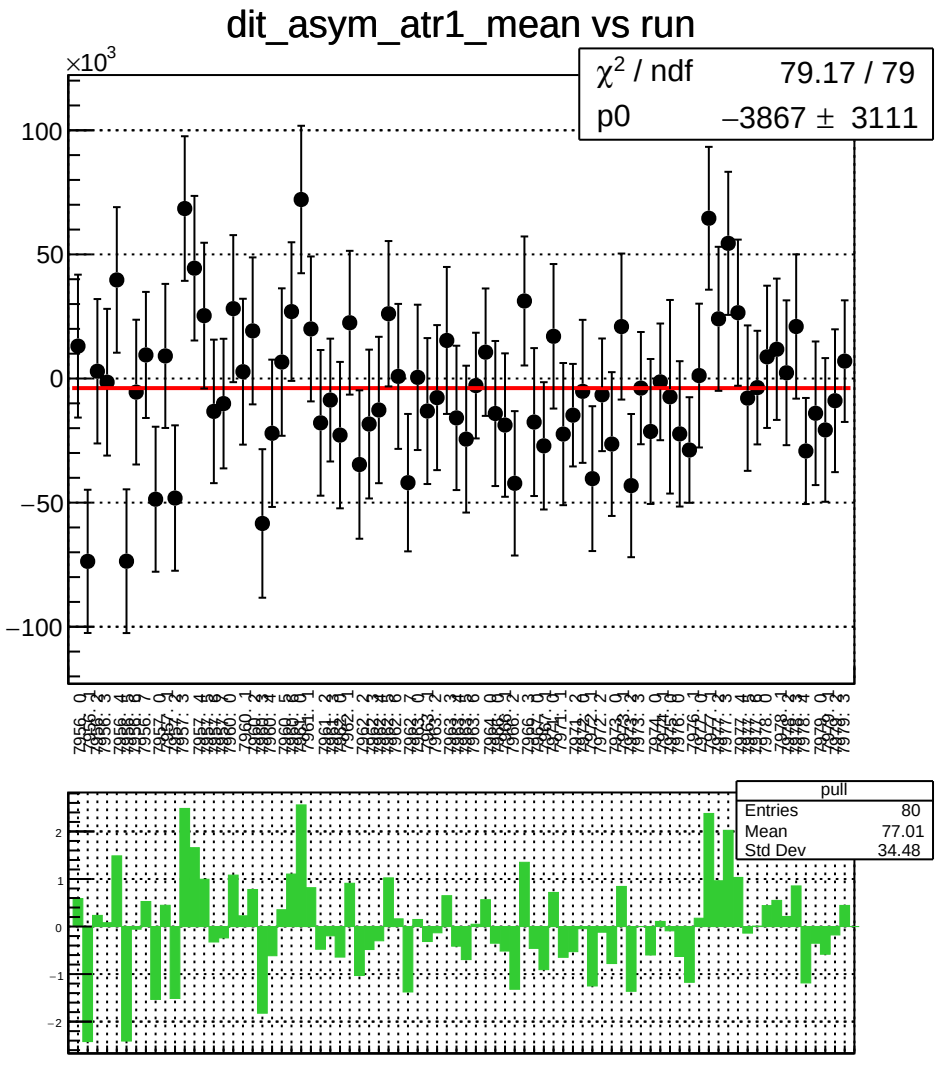

pull1D
Entries 80
Mean −0.00634
Std Dev 1.003

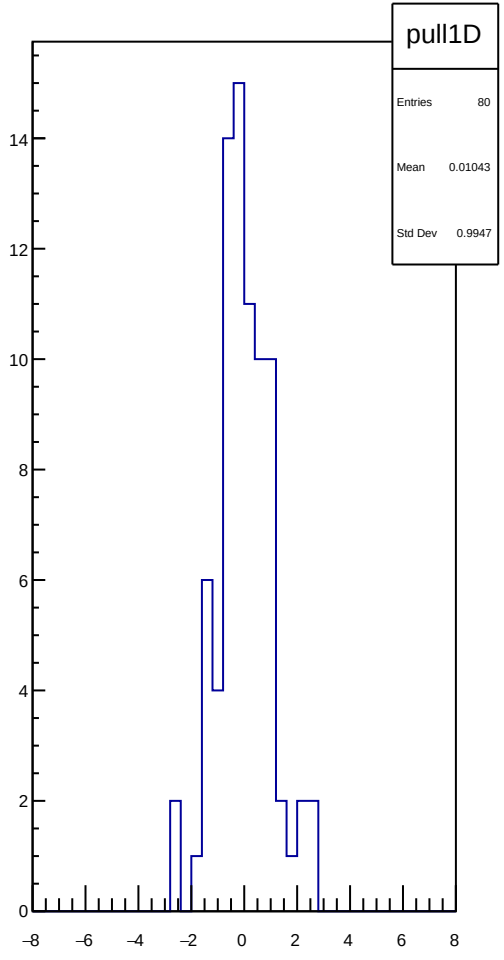

asym_atl2_correction_rms vs run
χ² / ndf 4211 / 79
p0 9030 ± 7.167
10000
9500
9000
8500
8000

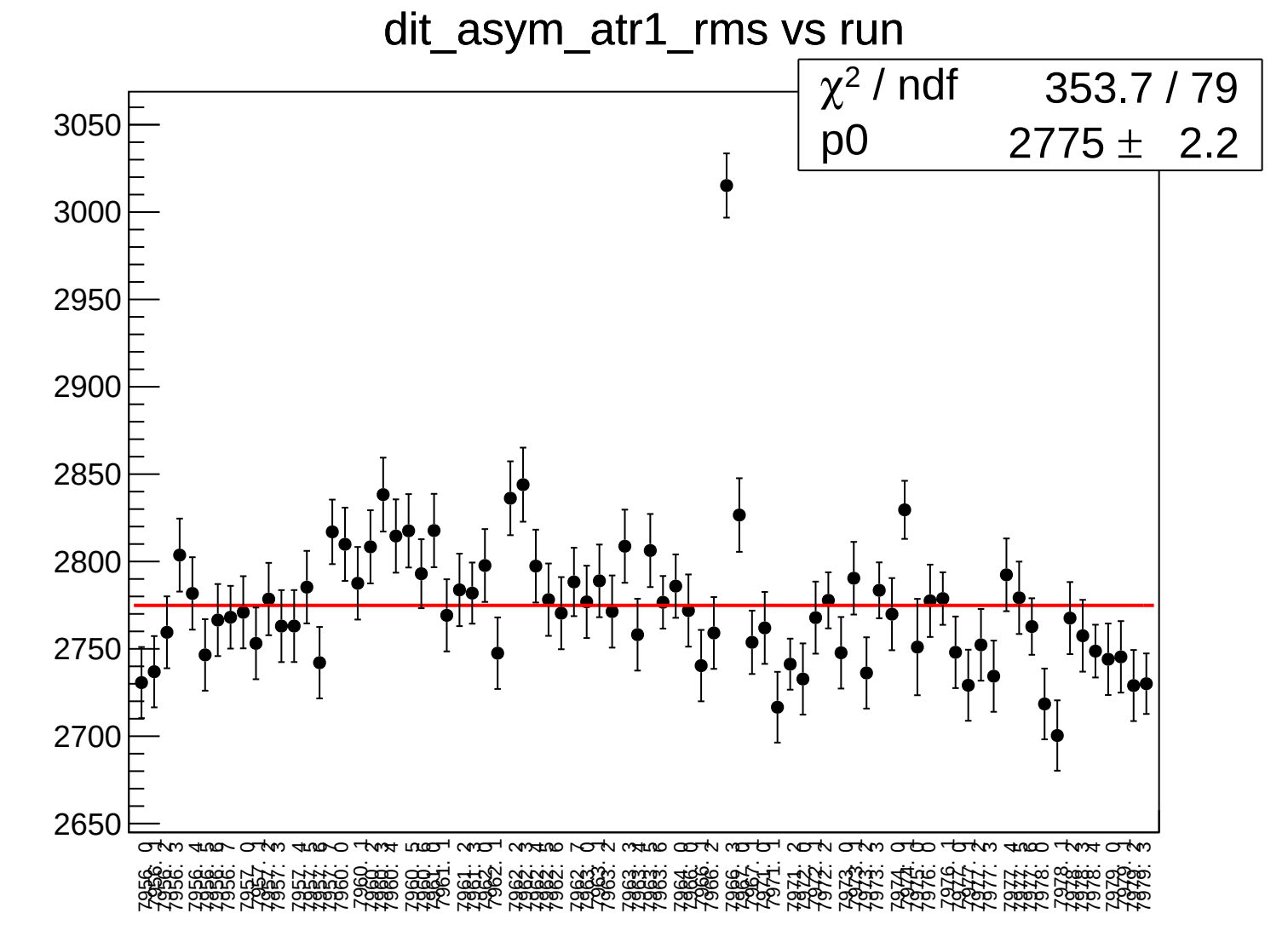

asym_atl2_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 75.71 / 79
p0 −1.487e+04 ± 1.043e+04
pull
Entries 80
Mean 263.2
Std Dev 204
3
2
1
0
−1
−2

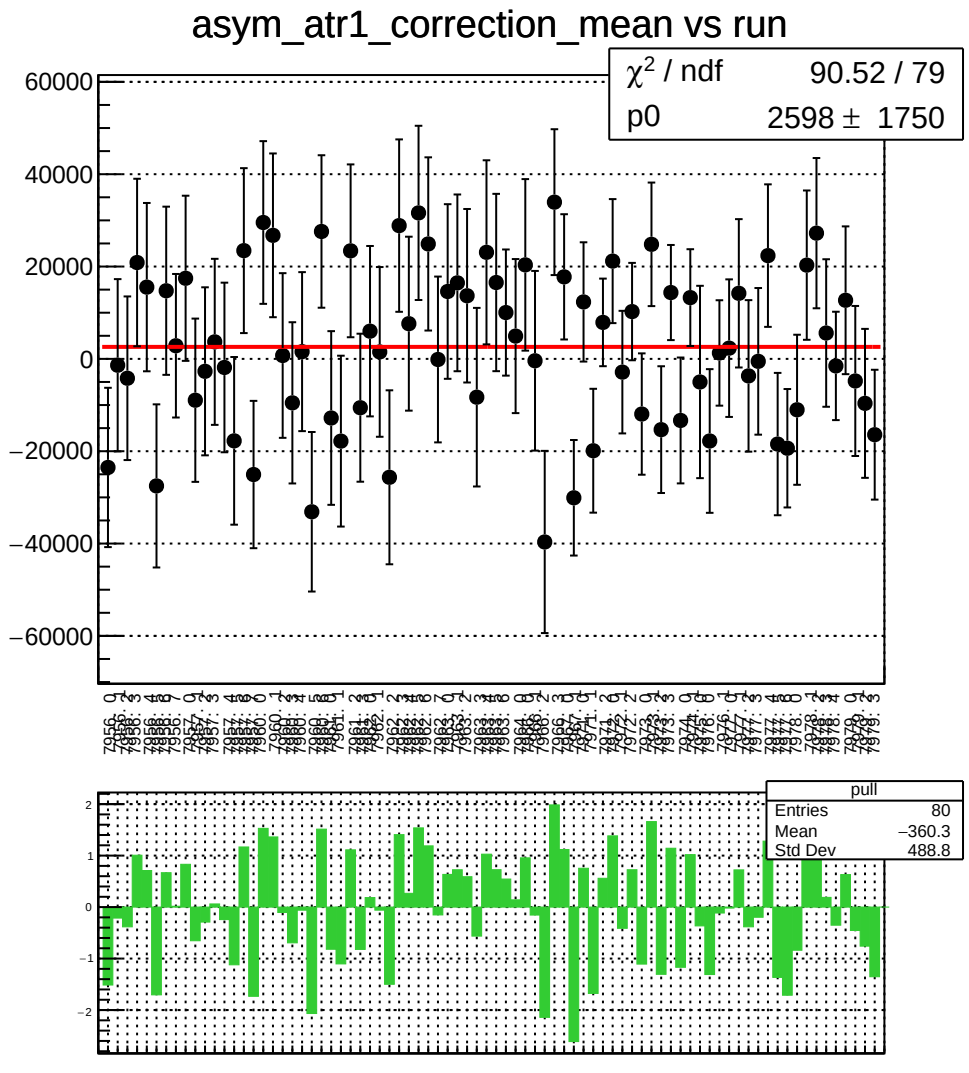

pull1D
Entries 80
Mean 0.01147
Std Dev 0.9727
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

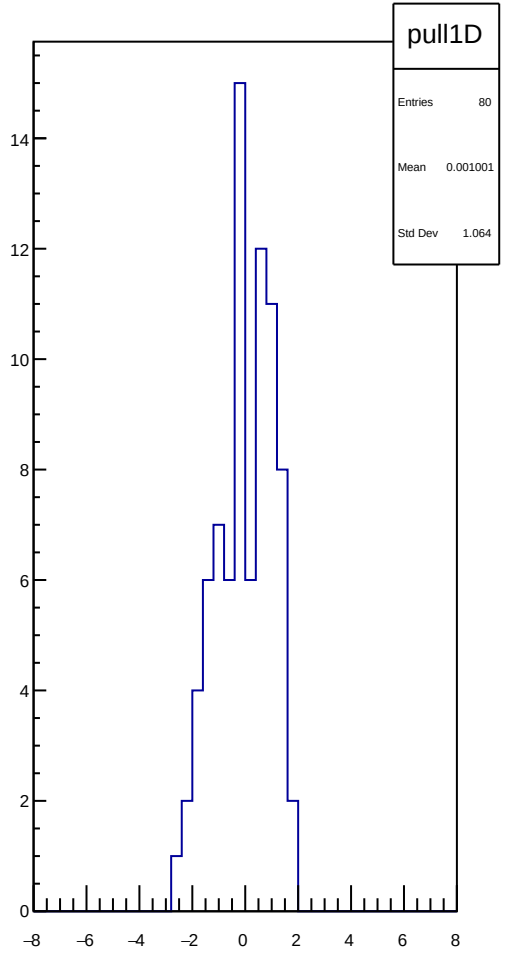

asym_atl2_rms vs run
χ² / ndf 2943 / 79
p0 9292 ± 7.372
10500
10000
9500
9000
8500
8000

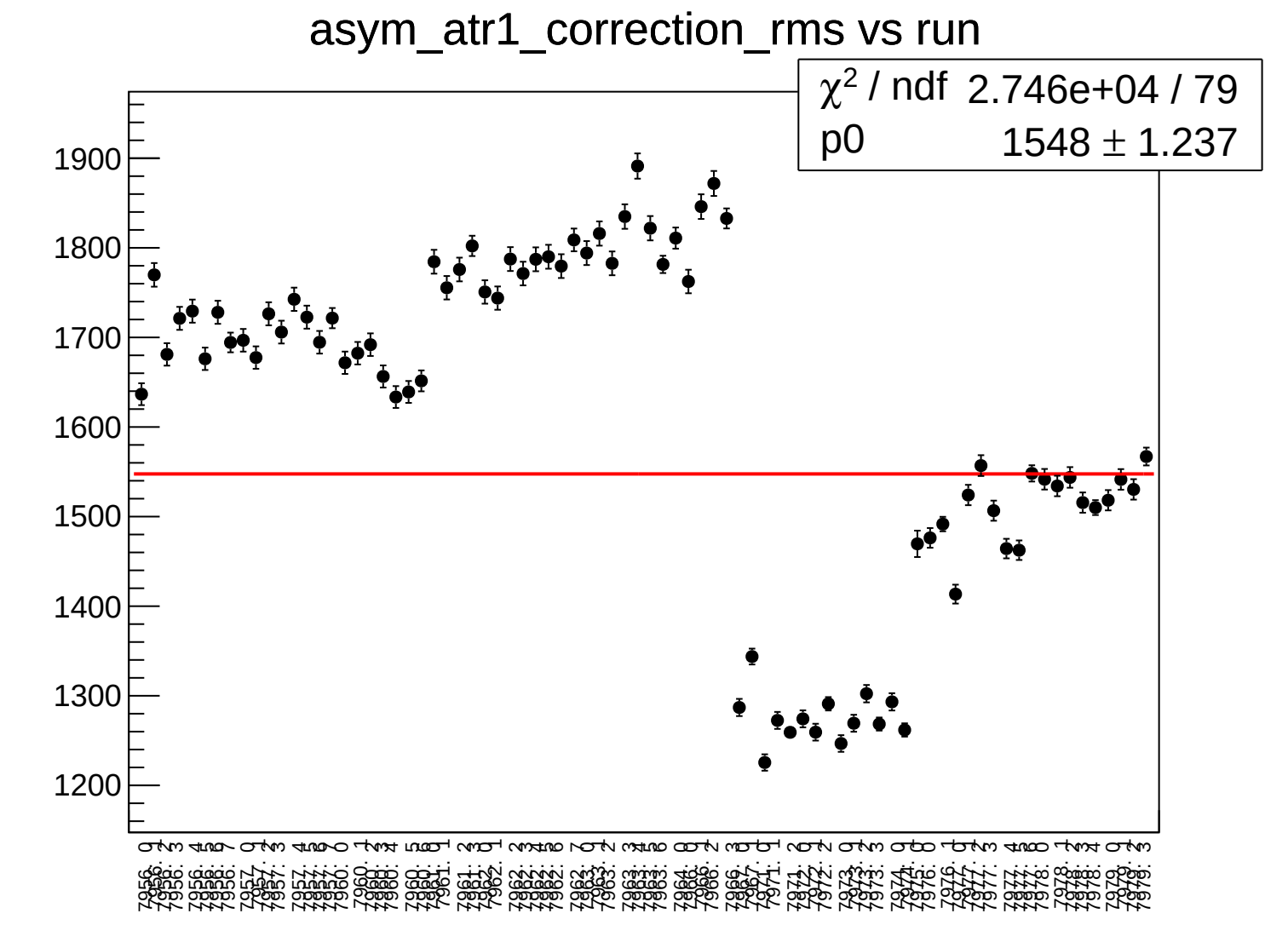

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 79.17 / 79
p0 −3867 ± 3111
100
50
0
−50
−100
pull
Entries 80
Mean 77.01
Std Dev 34.48
2
1
0
−1
−2

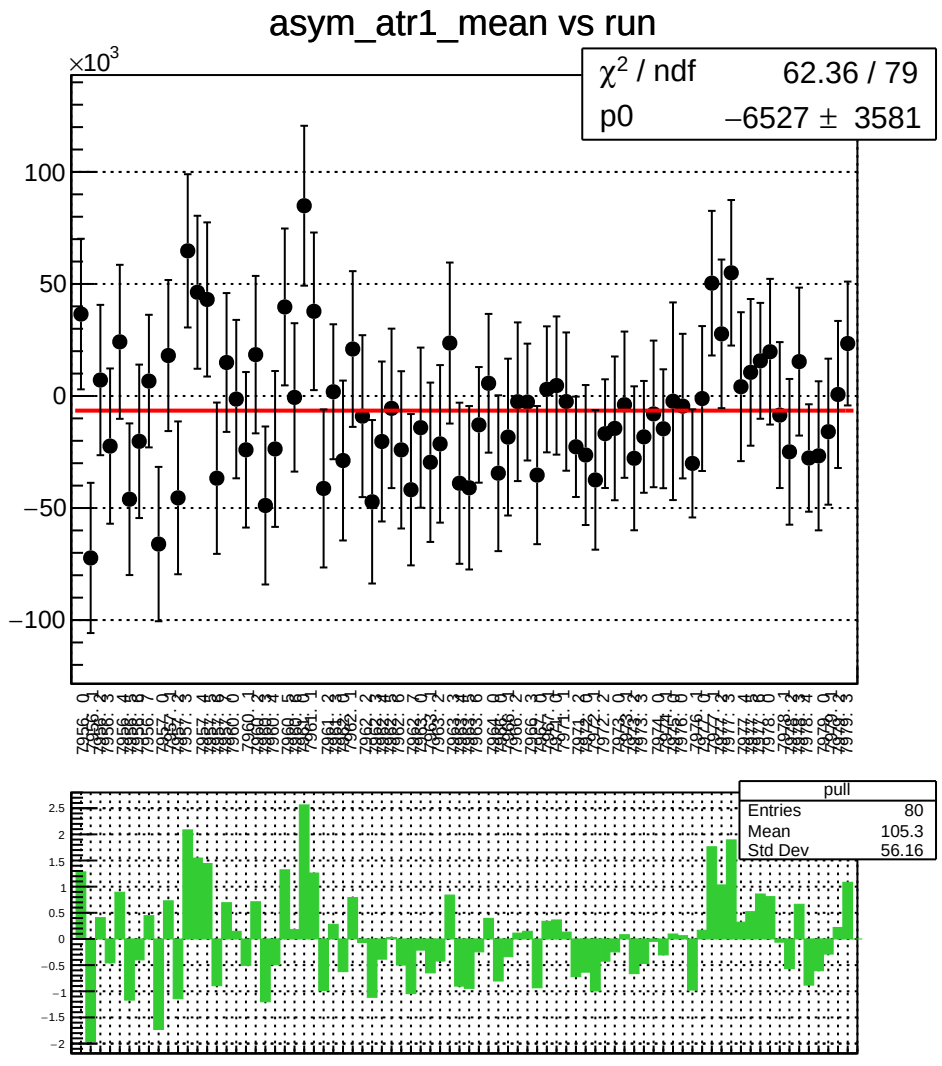

pull1D
Entries 80
Mean 0.01043
Std Dev 0.9947
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

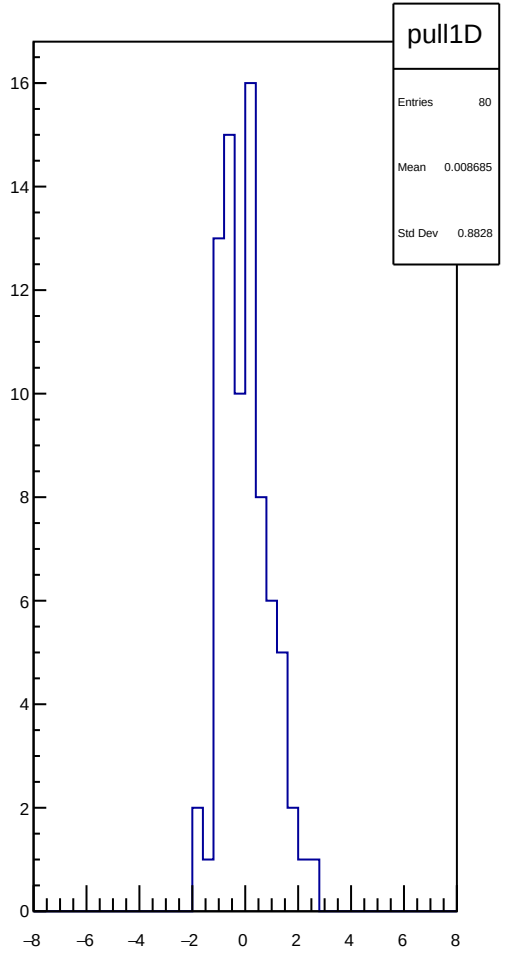

dit_asym_atr1_rms vs run
χ² / ndf 353.7 / 79
p0 2775 ± 2.2
3050
3000
2950
2900
2850
2800
2750
2700
2650

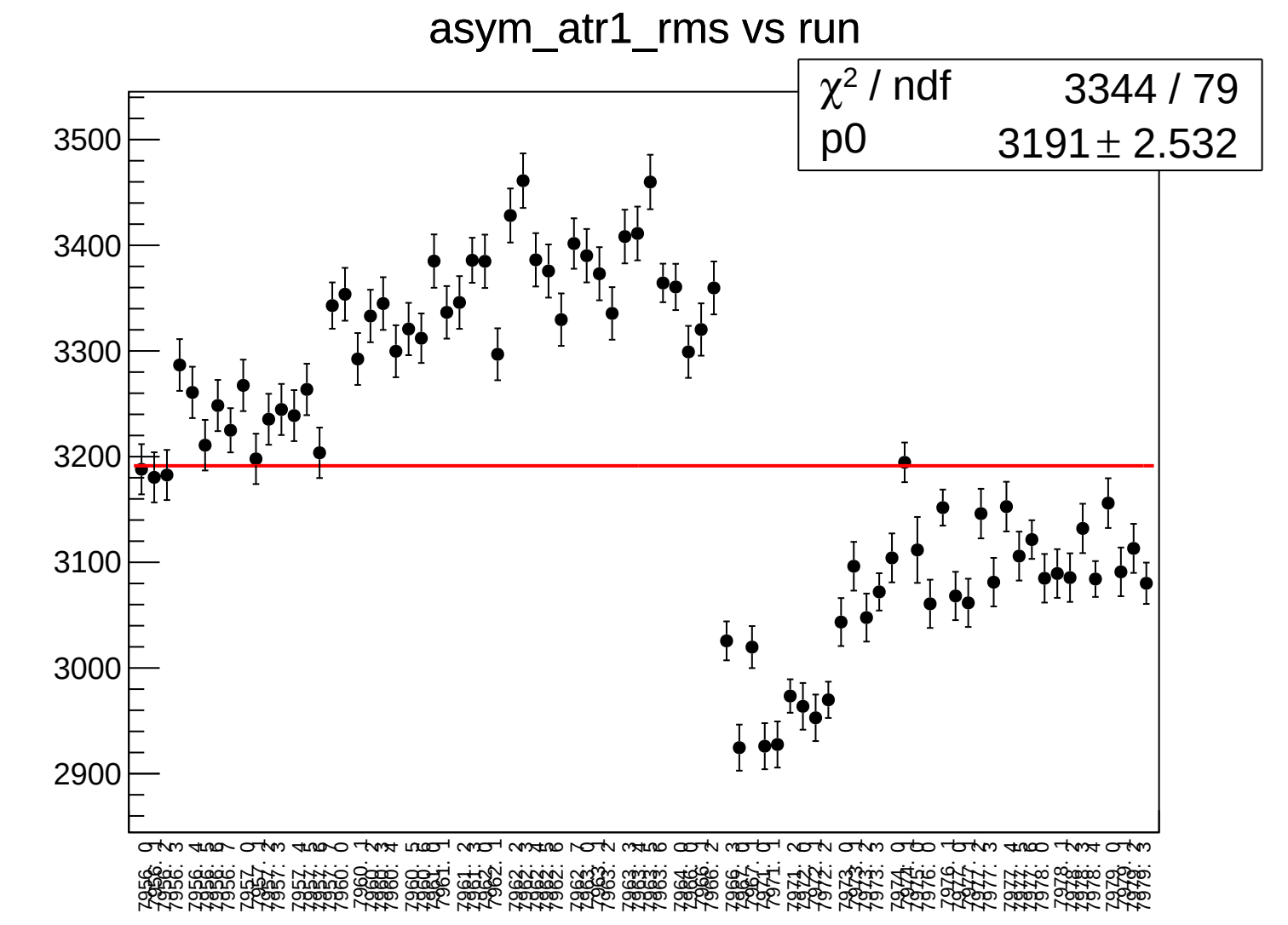

asym_atr1_correction_mean vs run
χ² / ndf 90.52 / 79
p0 2598 ± 1750
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −360.3
Std Dev 488.8
2
1
0
−1
−2

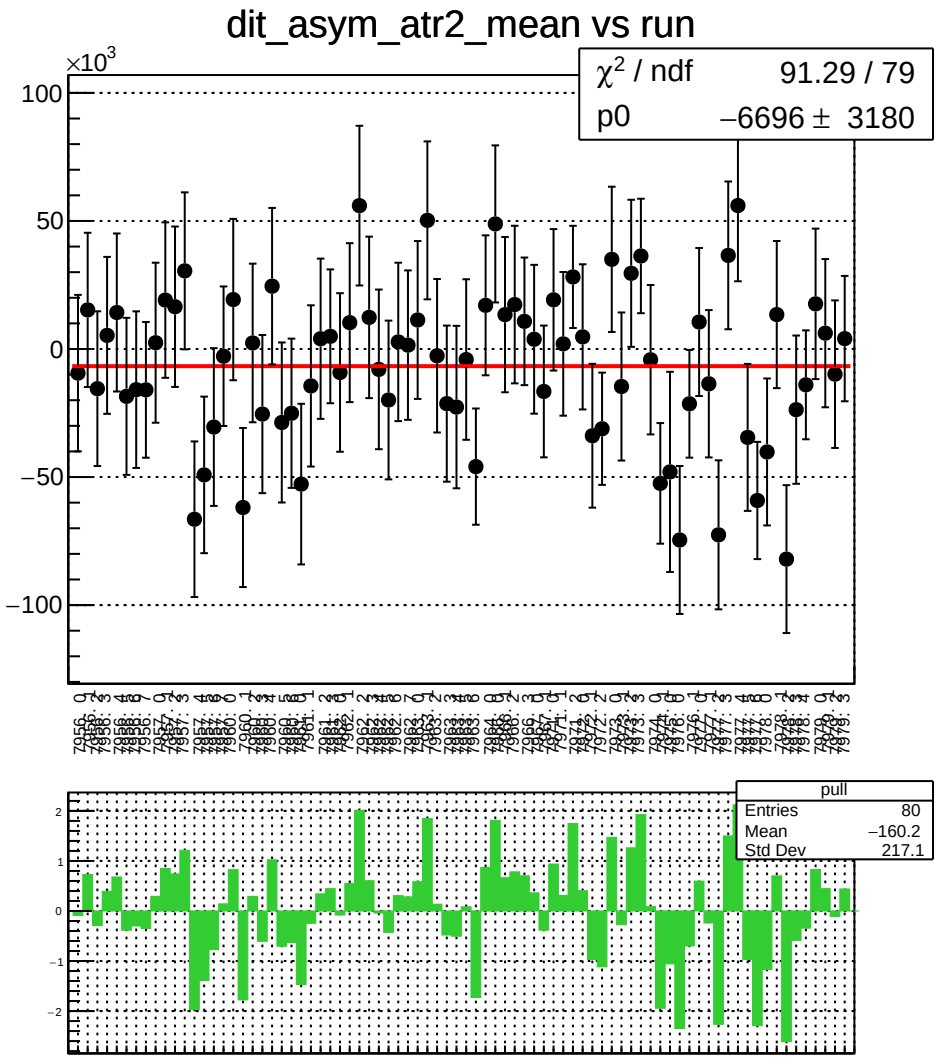

pull1D
Entries 80
Mean 0.001001
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

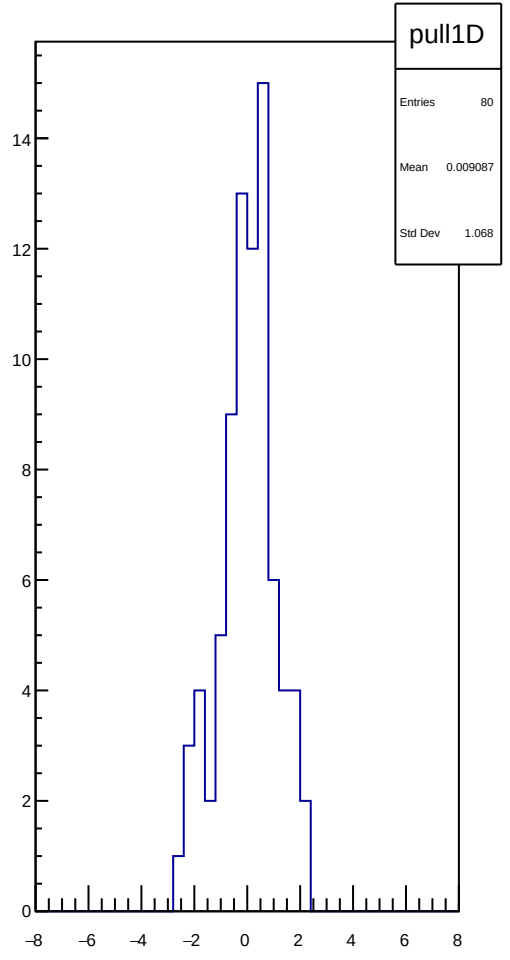

asym_atr1_correction_rms vs run
χ² / ndf 2.746e+04 / 79
p0 1548 ± 1.237
1900
1800
1700
1600
1500
1400
1300
1200

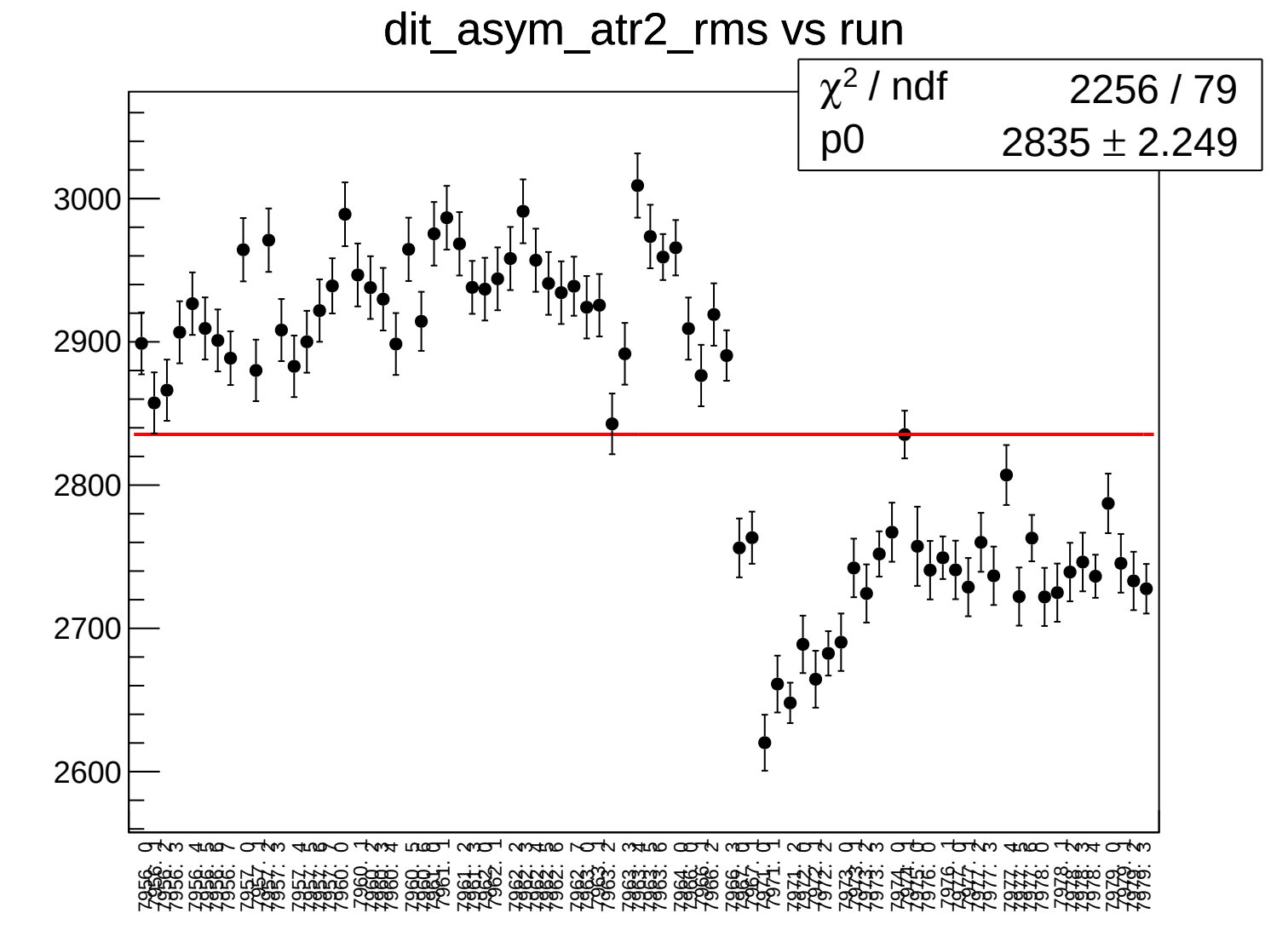

asym_atr1_mean vs run
×10^3
χ² / ndf 62.36 / 79
p0 −6527 ± 3581
100
50
0
−50
−100
pull
Entries 80
Mean 105.3
Std Dev 56.16
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

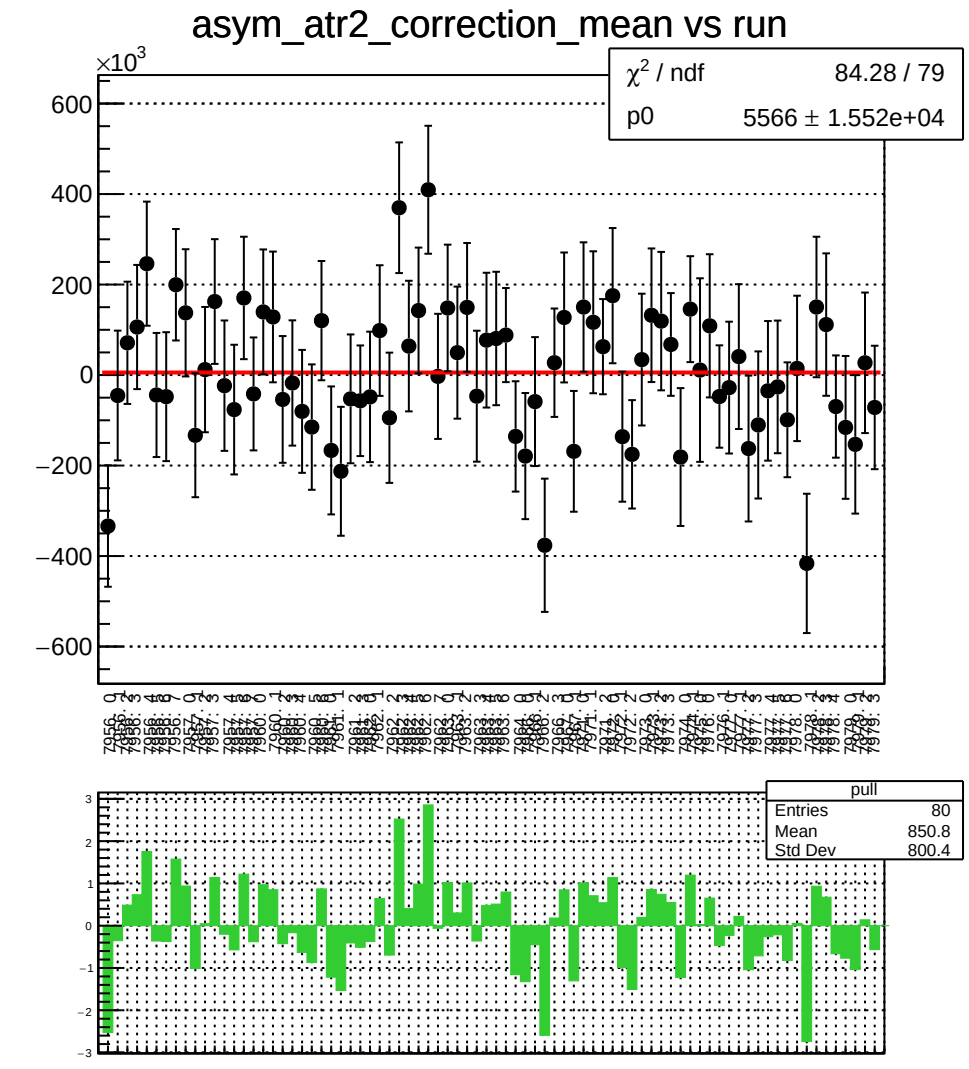

pull1D
Entries 80
Mean 0.008685
Std Dev 0.8828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

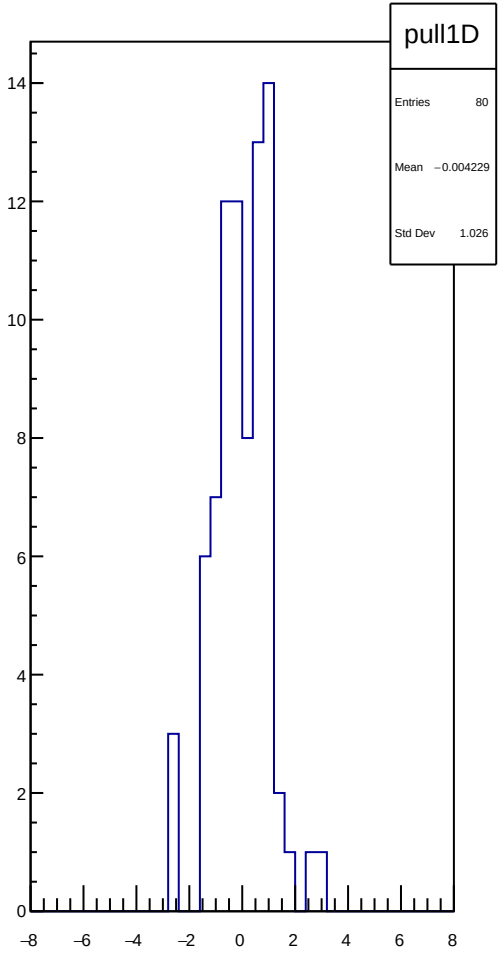

asym_atr1_rms vs run
χ² / ndf 3344 / 79
p0 3191 ± 2.532
3500
3400
3300
3200
3100
3000
2900

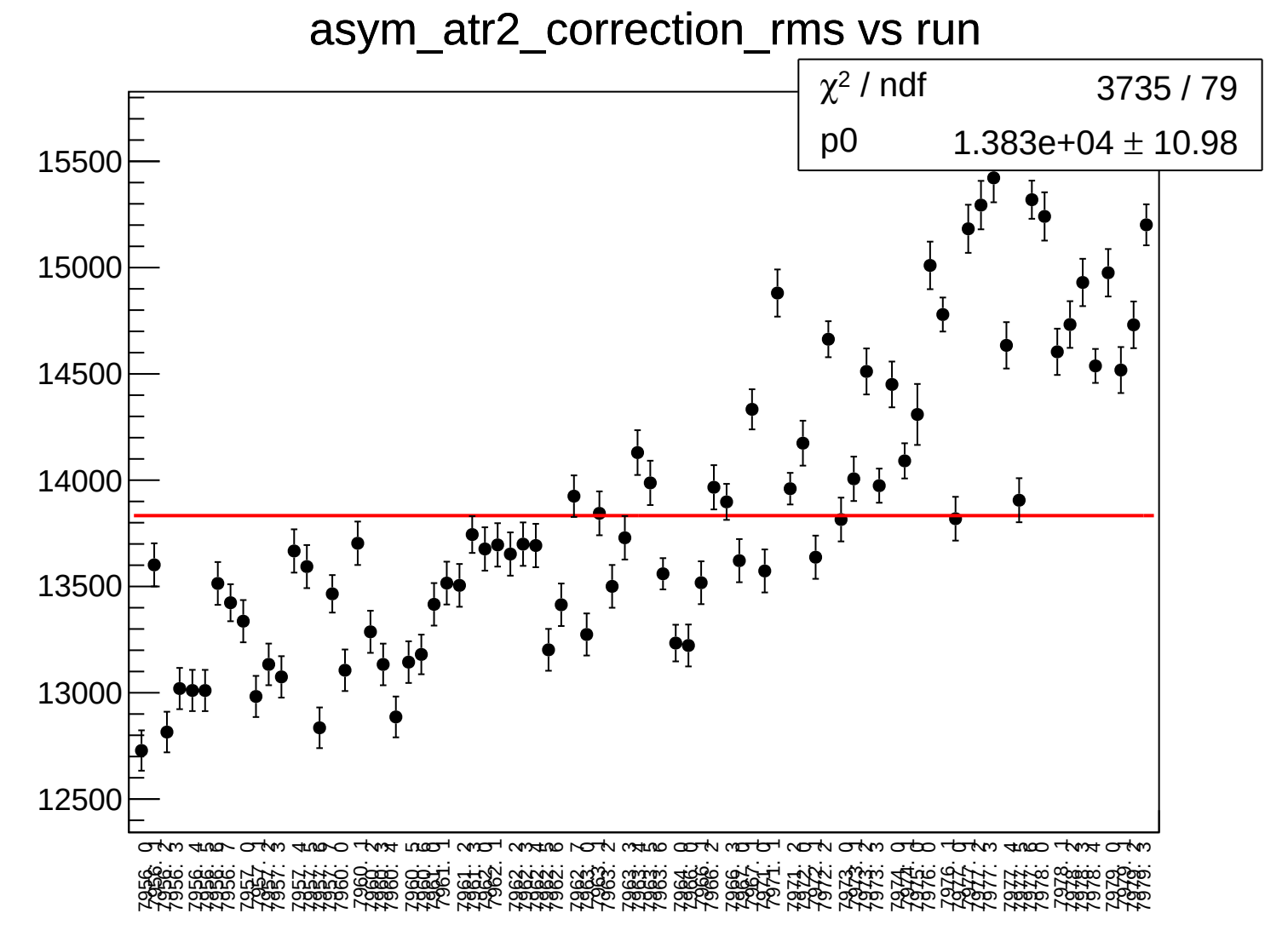

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 91.29 / 79
p0 −6696 ± 3180
100
50
0
−50
−100
pull
Entries 80
Mean −160.2
Std Dev 217.1
2
1
0
−1
−2

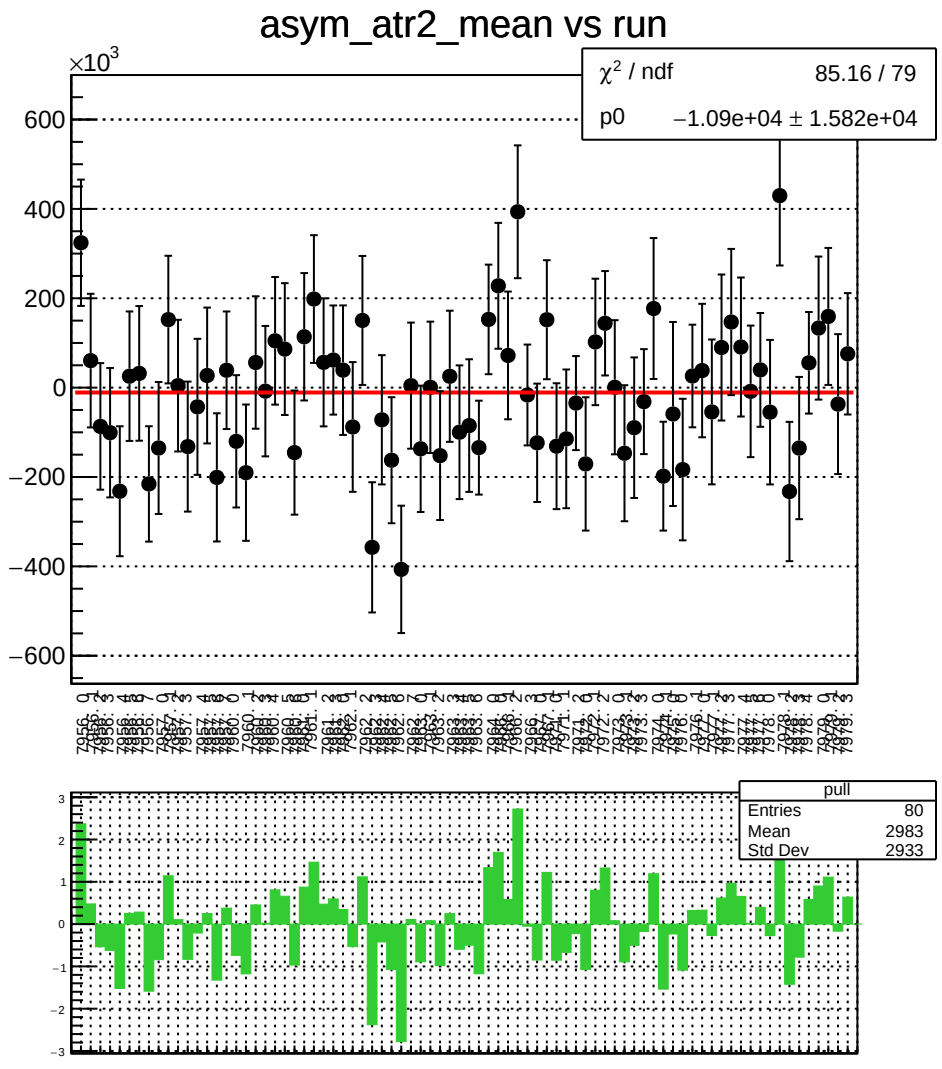

pull1D
Entries 80
Mean 0.009087
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

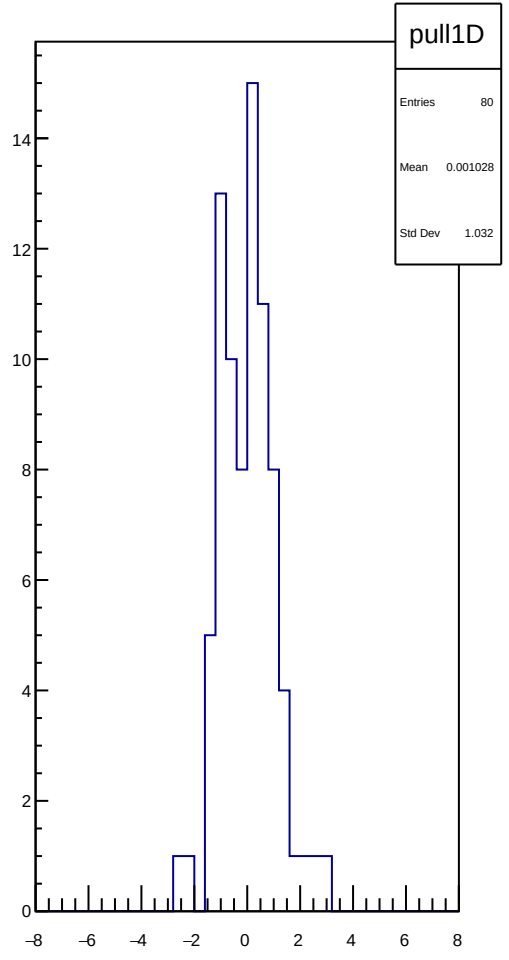

dit_asym_atr2_rms vs run
χ² / ndf 2256 / 79
p0 2835 ± 2.249
3000
2900
2800
2700
2600

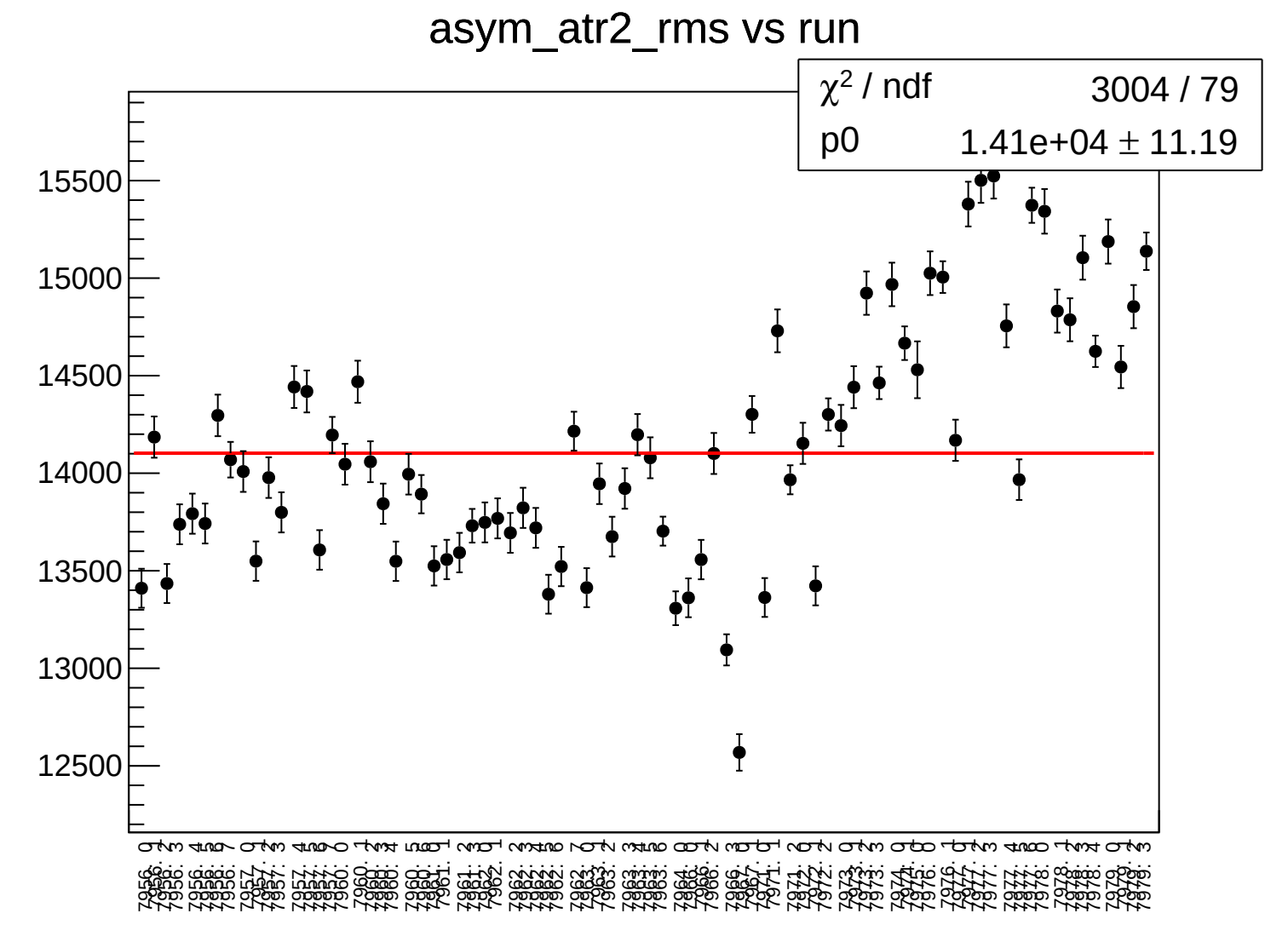

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 84.28 / 79
p0 5566 ± 1.552e+04
pull
Entries 80
Mean 850.8
Std Dev 800.4

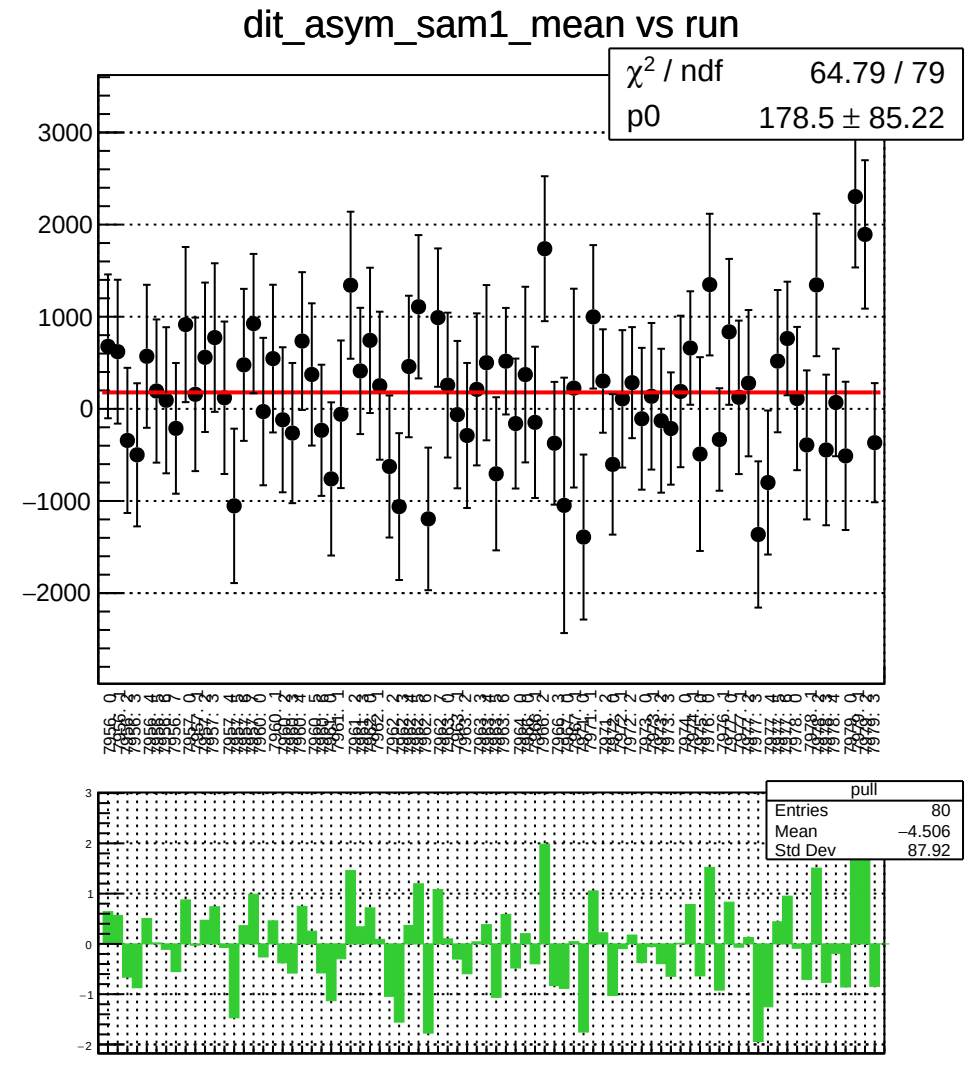

pull1D
Entries 80
Mean −0.004229
Std Dev 1.026

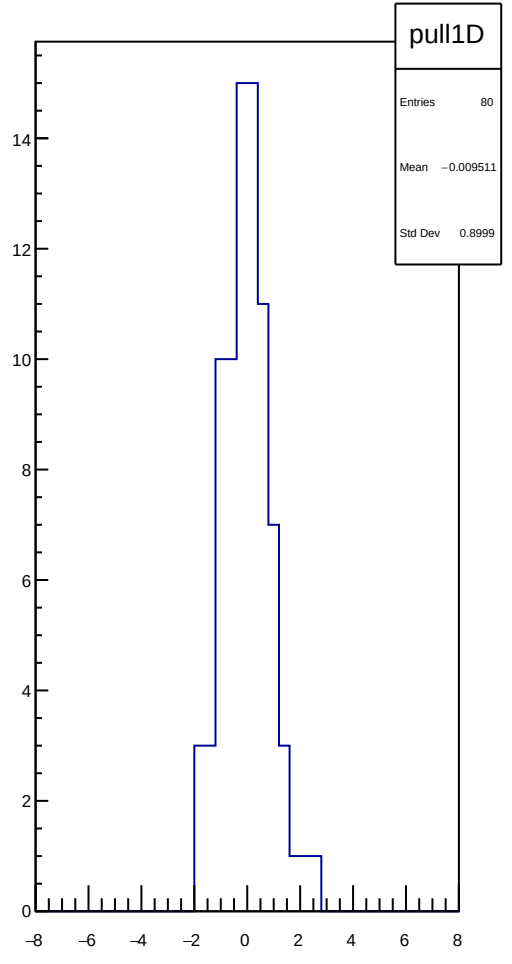

asym_atr2_correction_rms vs run
χ² / ndf 3735 / 79
p0 1.383e+04 ± 10.98
15500
15000
14500
14000
13500
13000
12500

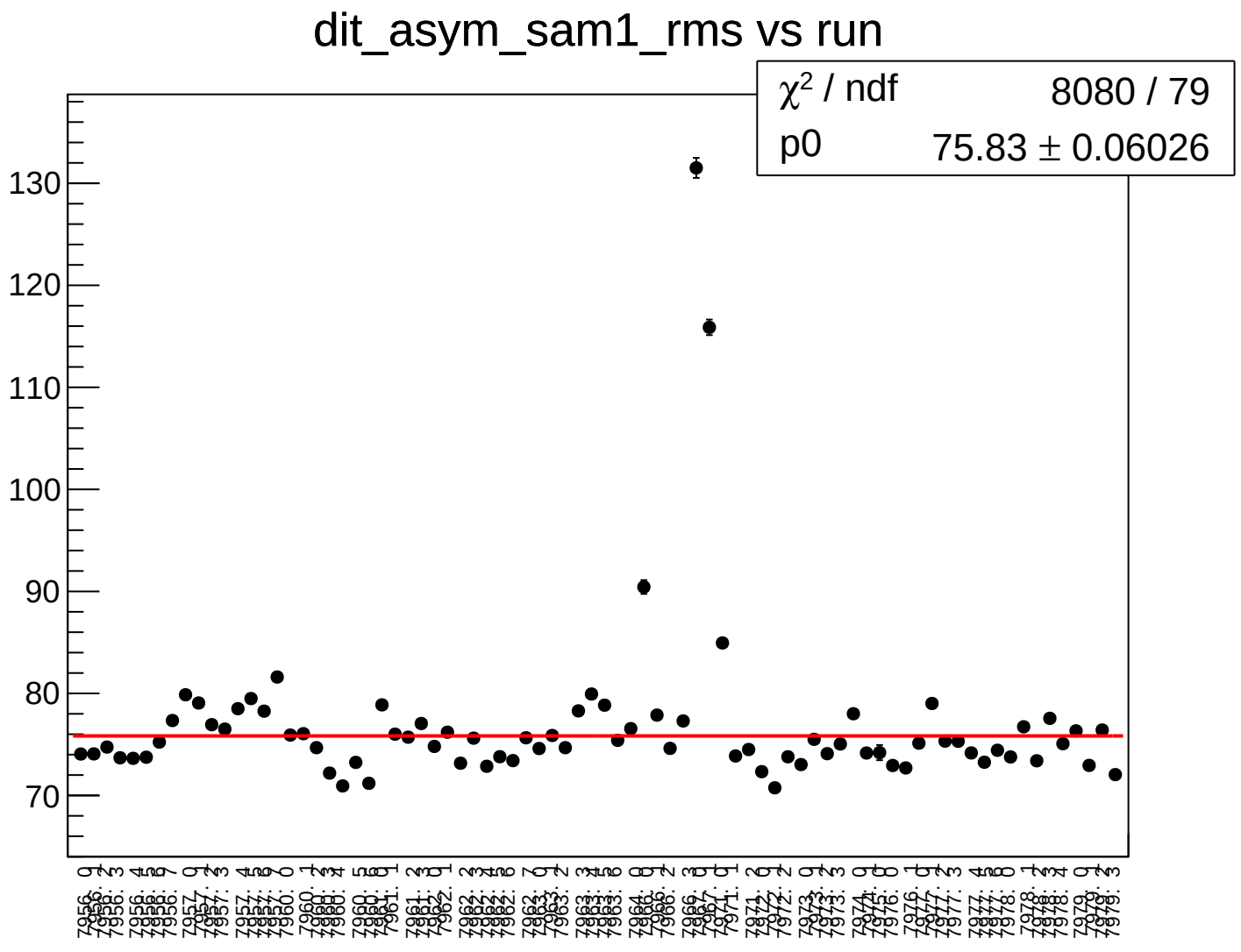

asym_atr2_mean vs run
×10^3
χ² / ndf 85.16 / 79
p0 −1.09e+04 ± 1.582e+04
600
400
200
0
−200
−400
−600
pull
Entries 80
Mean 2983
Std Dev 2933
3
2
1
0
−1
−2
−3

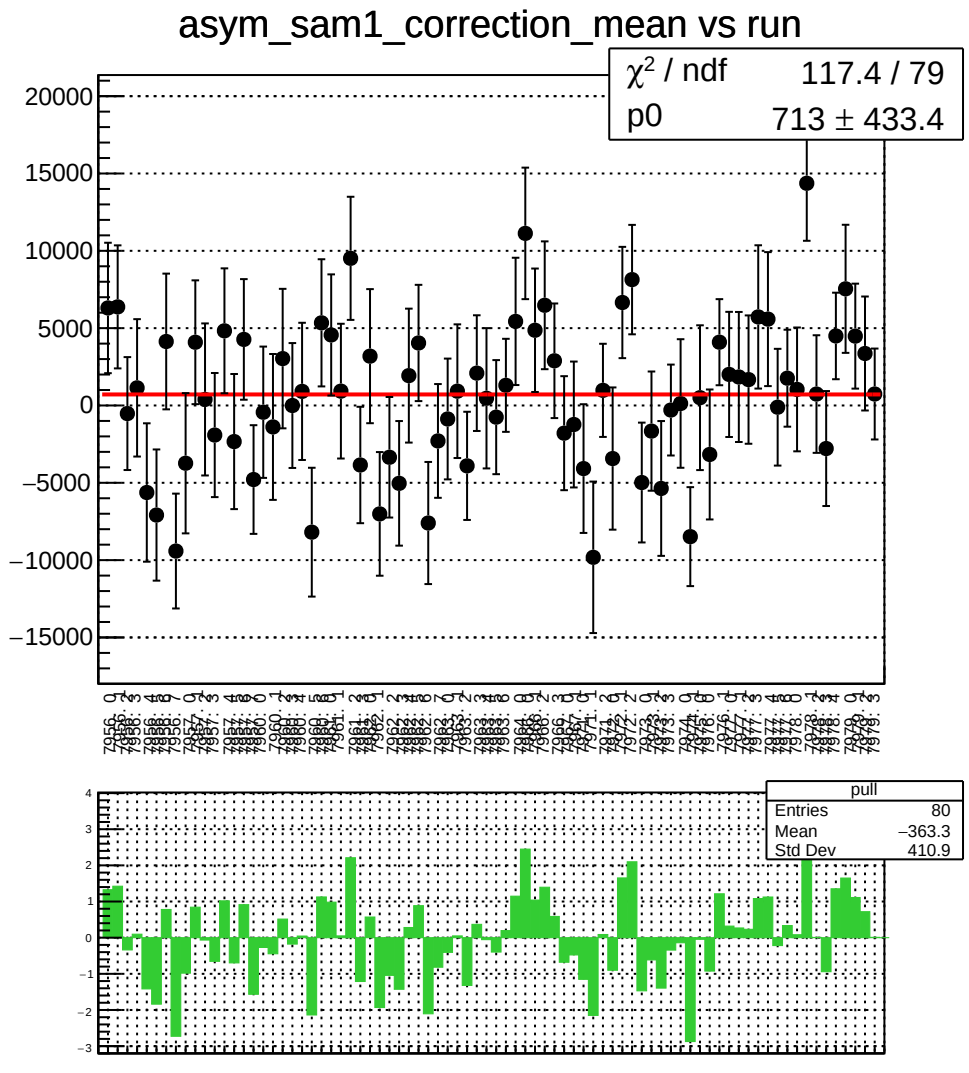

pull1D
Entries 80
Mean 0.001028
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

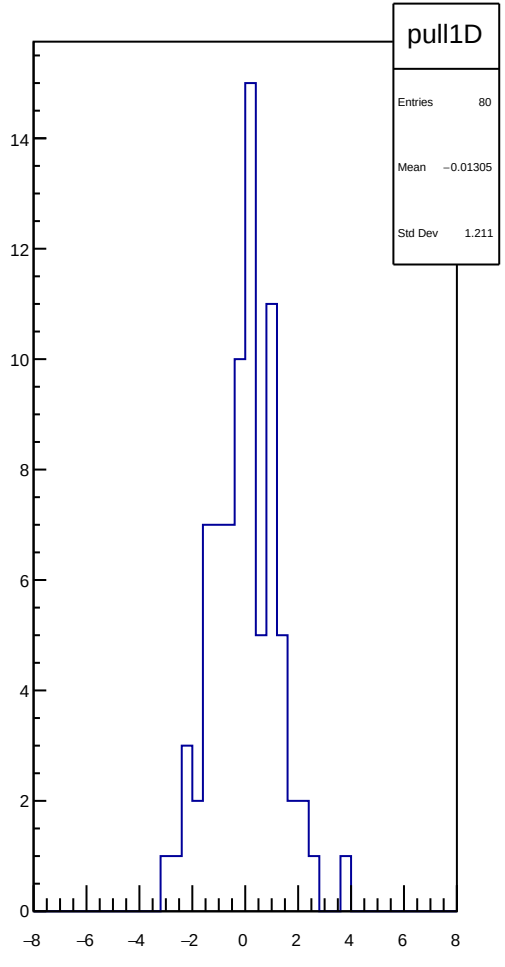

asym_atr2_rms vs run
χ^2 / ndf 3004 / 79
p0 1.41e+04 ± 11.19
15500
15000
14500
14000
13500
13000
12500

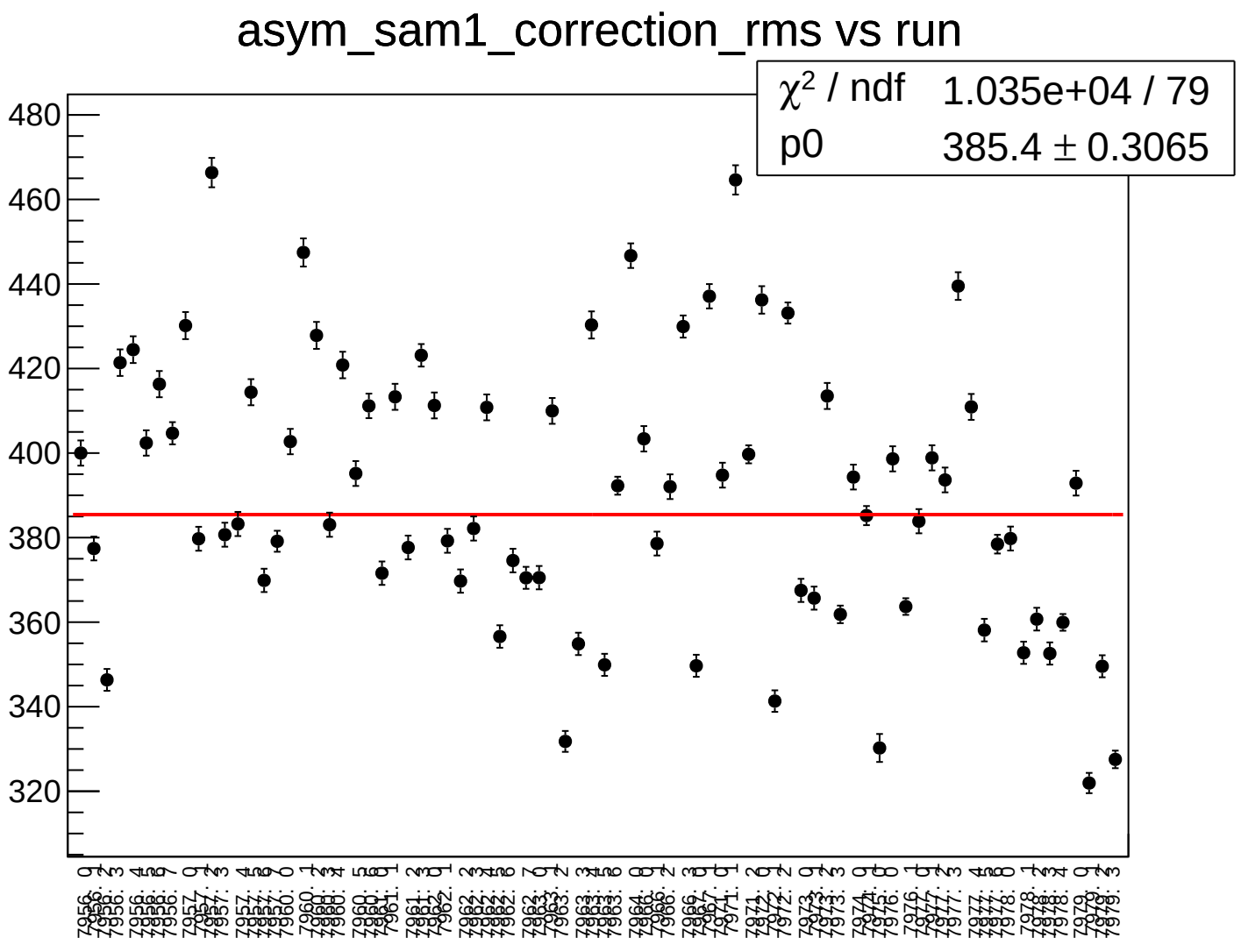

dit_asym_sam1_mean vs run
χ² / ndf 64.79 / 79
p0 178.5 ± 85.22
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean −4.506
Std Dev 87.92
3
2
1
0
−1
−2

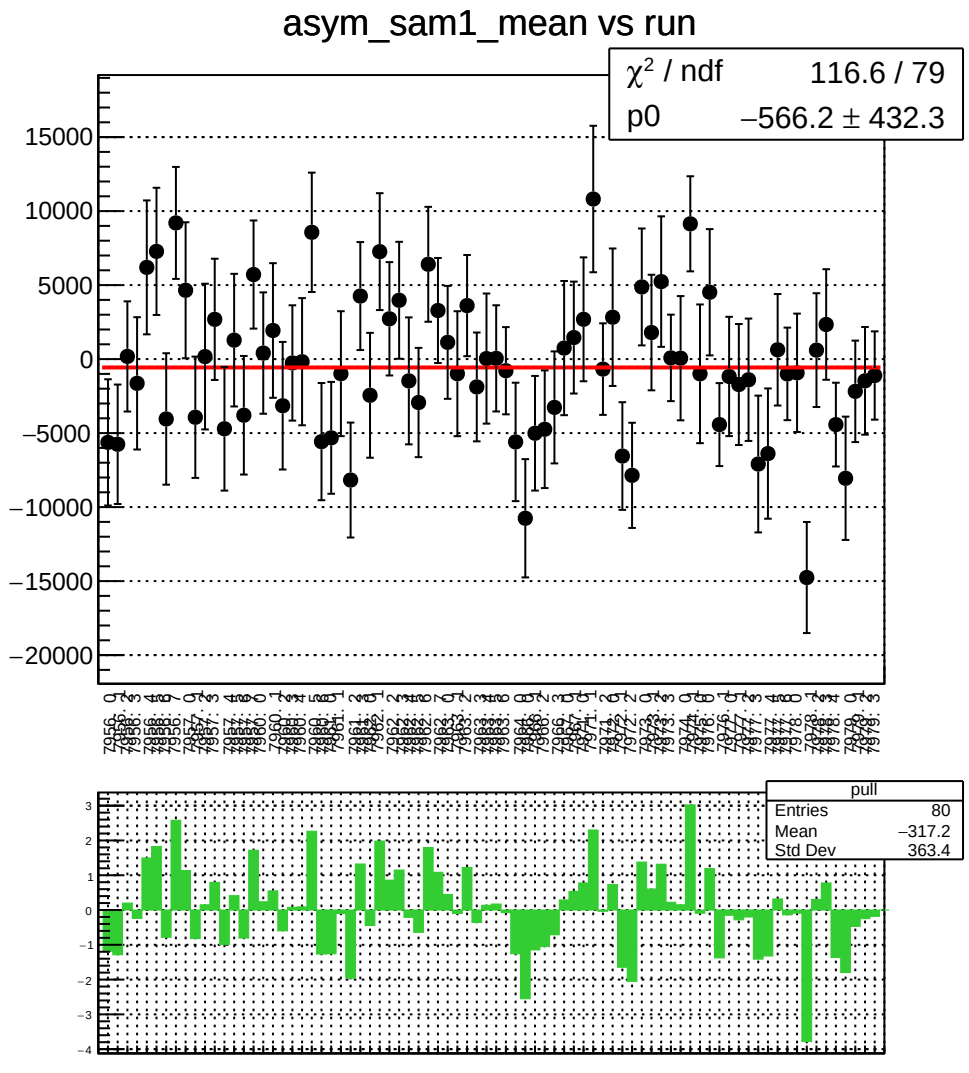

pull1D
Entries 80
Mean −0.009511
Std Dev 0.8999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

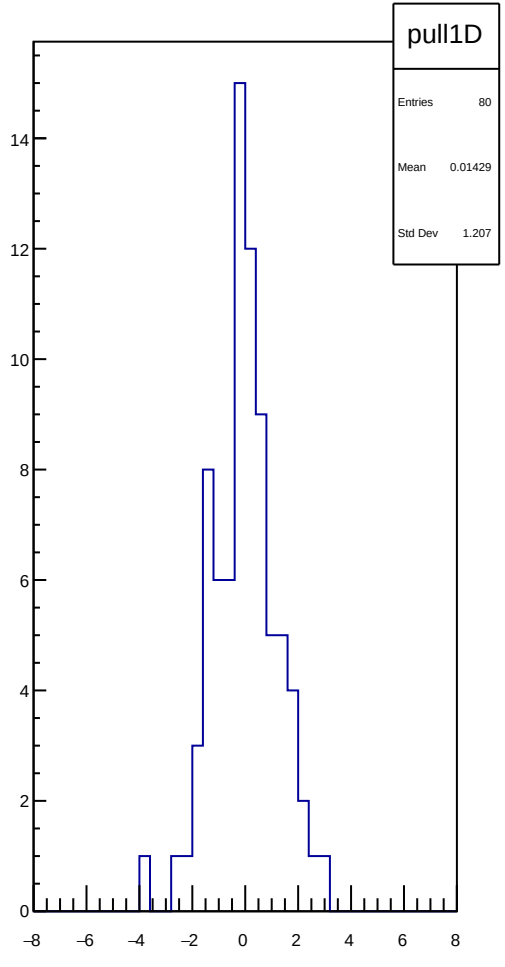

dit_asym_sam1_rms vs run
χ² / ndf 8080 / 79
p0 75.83 ± 0.06026
130
120
110
100
90
80
70

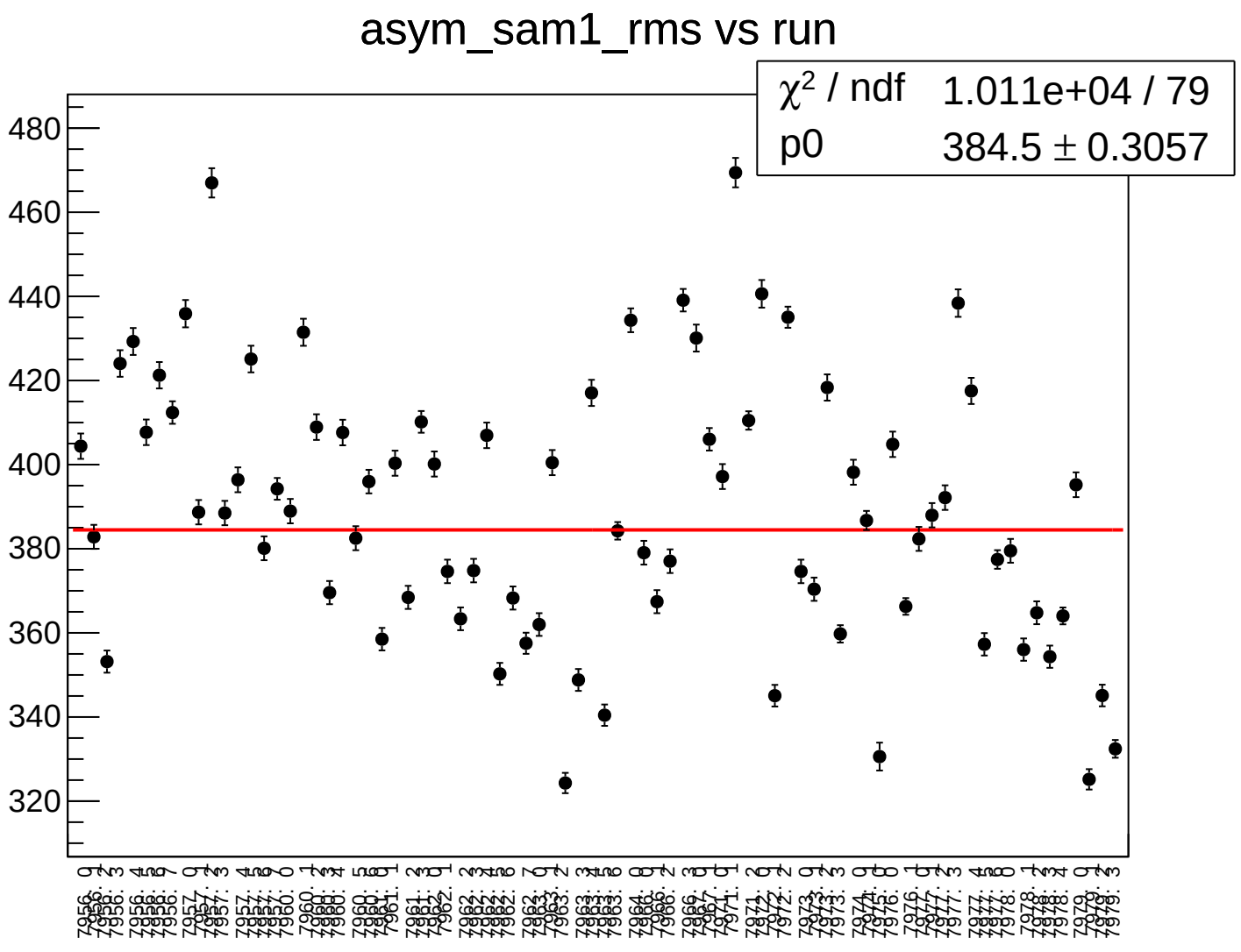

asym_sam1_correction_mean vs run
χ² / ndf 117.4 / 79
p0 713 ± 433.4
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −363.3
Std Dev 410.9
4
3
2
1
0
−1
−2
−3

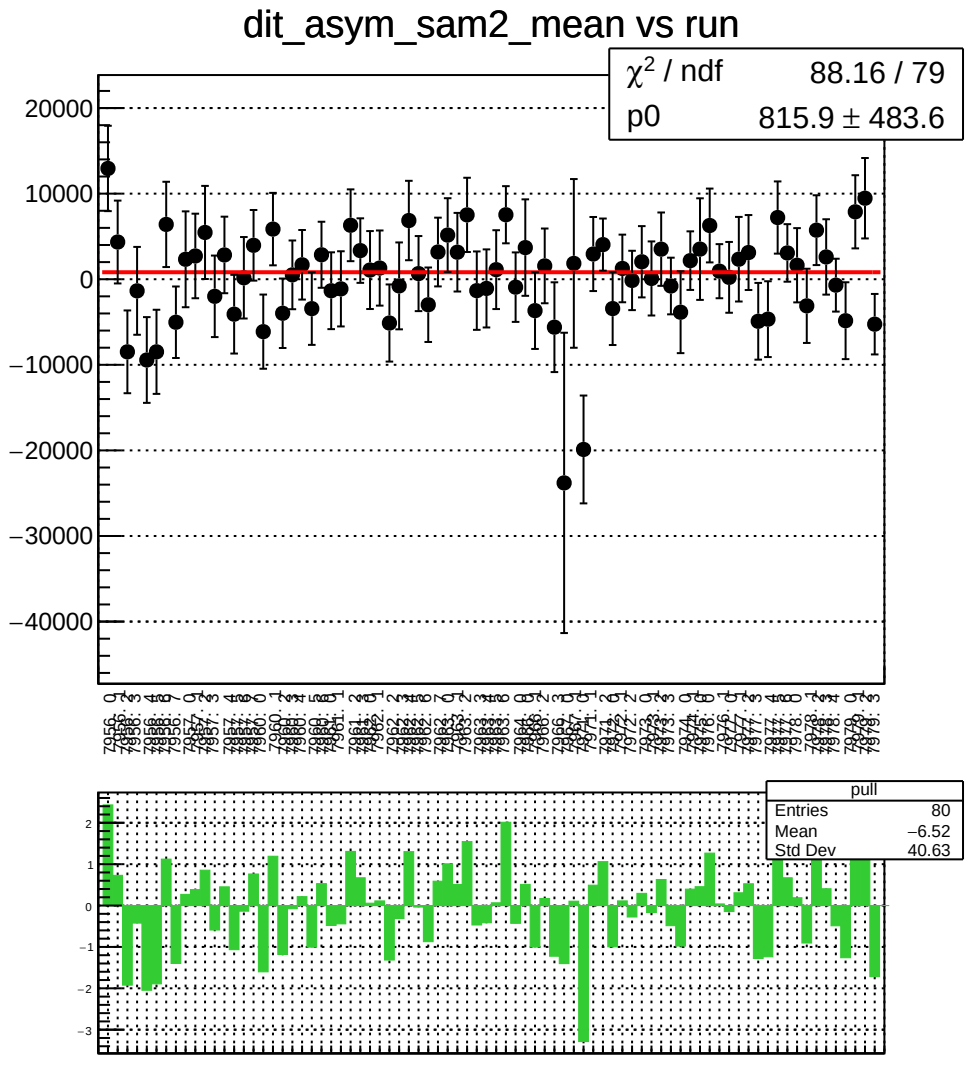

pull1D
Entries 80
Mean −0.01305
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

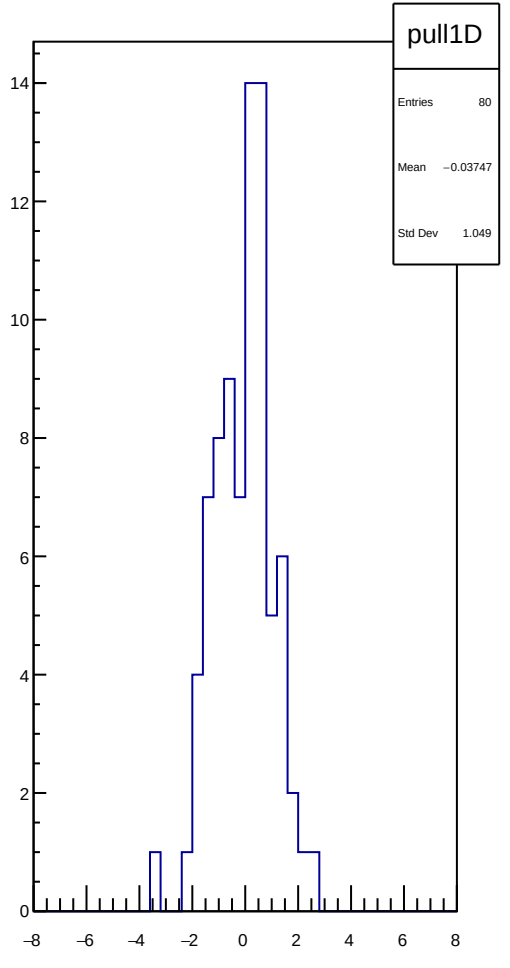

asym_sam1_correction_rms vs run
χ² / ndf 1.035e+04 / 79
p0 385.4 ± 0.3065
480
460
440
420
400
380
360
340
320

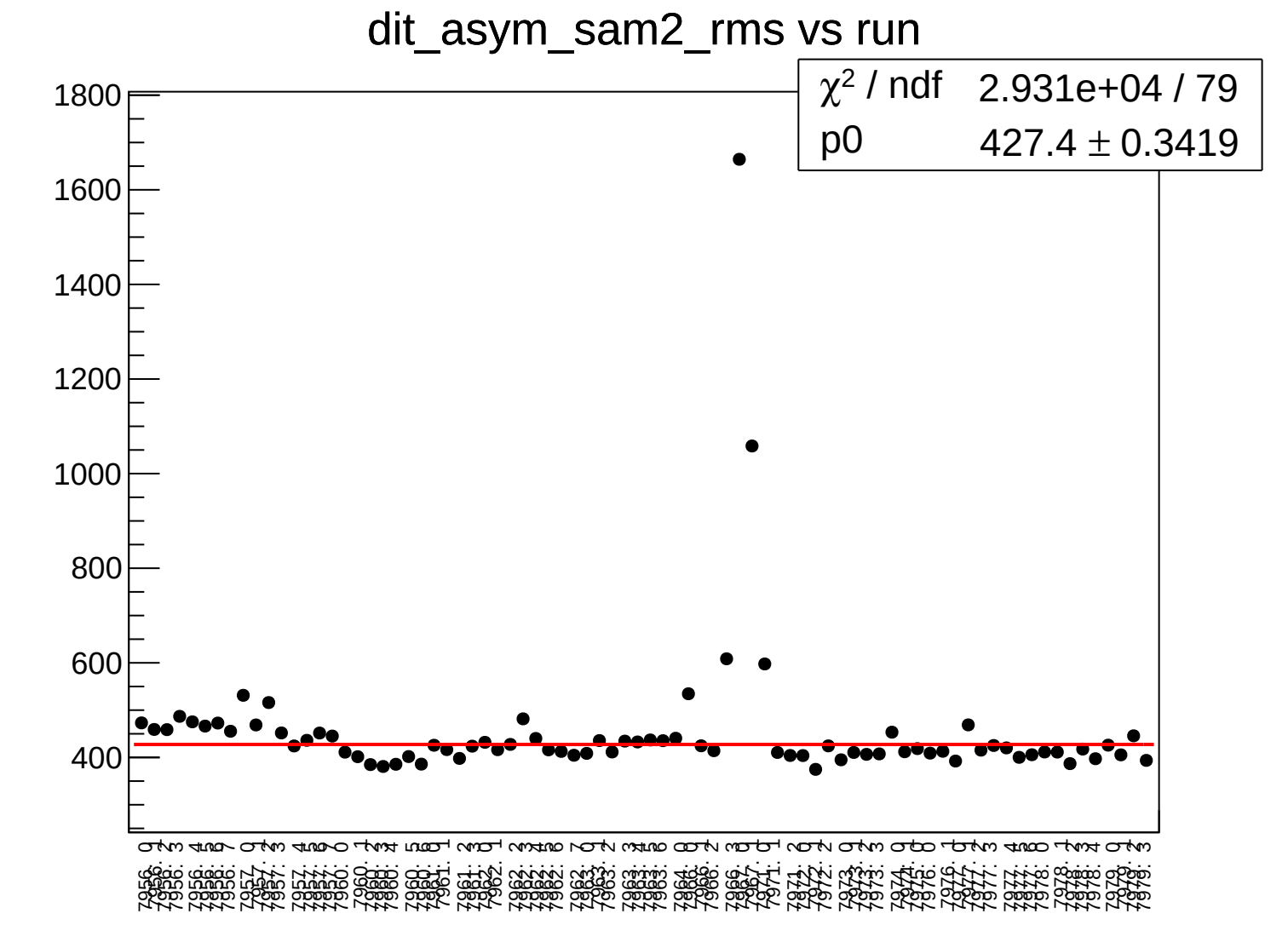

asym_sam1_mean vs run
χ² / ndf 116.6 / 79
p0 −566.2 ± 432.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −317.2
Std Dev 363.4
3
2
1
0
−1
−2
−3
−4

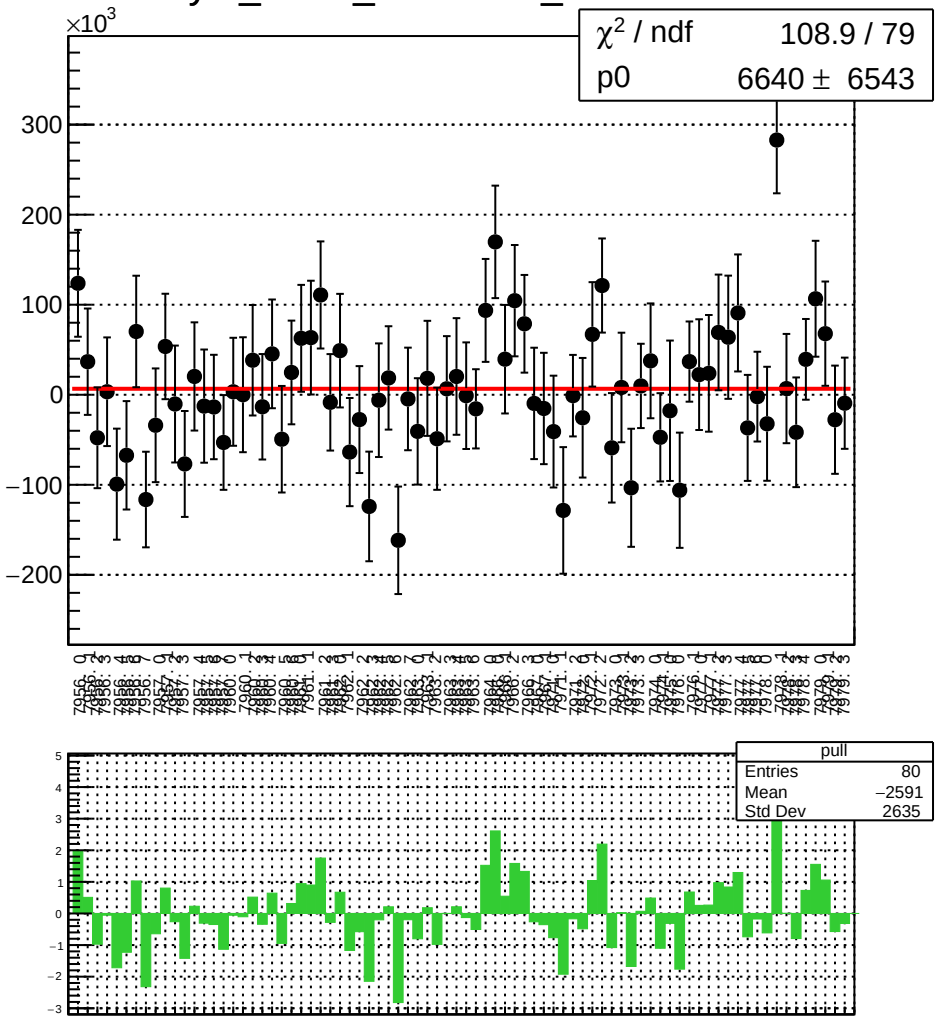

pull1D
Entries 80
Mean 0.01429
Std Dev 1.207
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

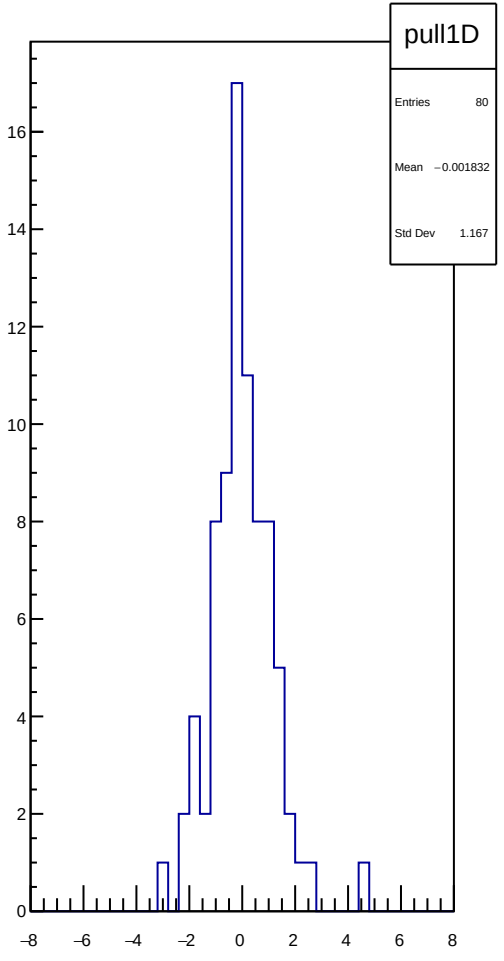

asym_sam1_rms vs run
χ² / ndf 1.011e+04 / 79
p0 384.5 ± 0.3057
480
460
440
420
400
380
360
340
320

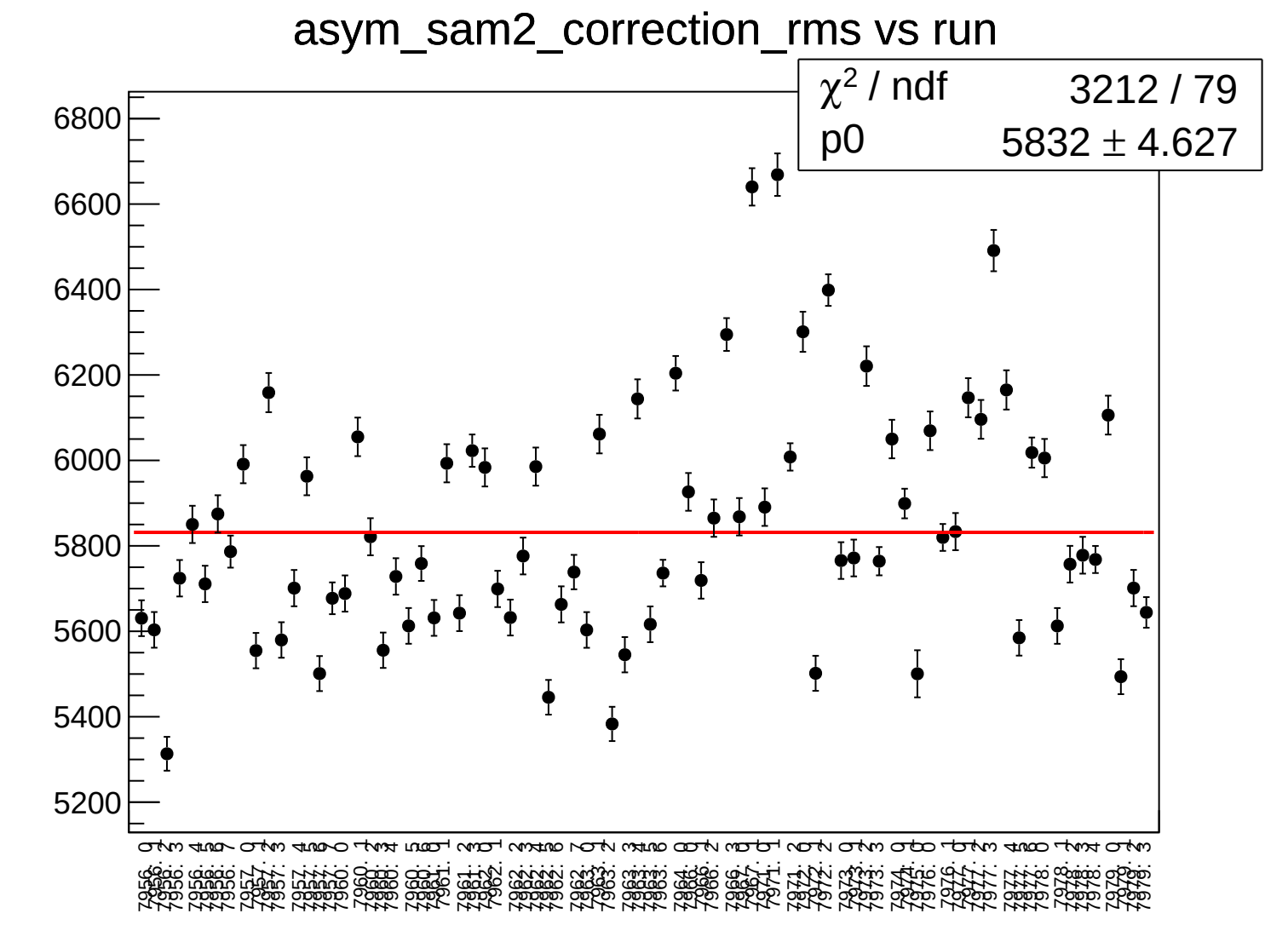

dit_asym_sam2_mean vs run
χ^2 / ndf 88.16 / 79
p0 815.9 ± 483.6
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −6.52
Std Dev 40.63
2
1
0
−1
−2
−3

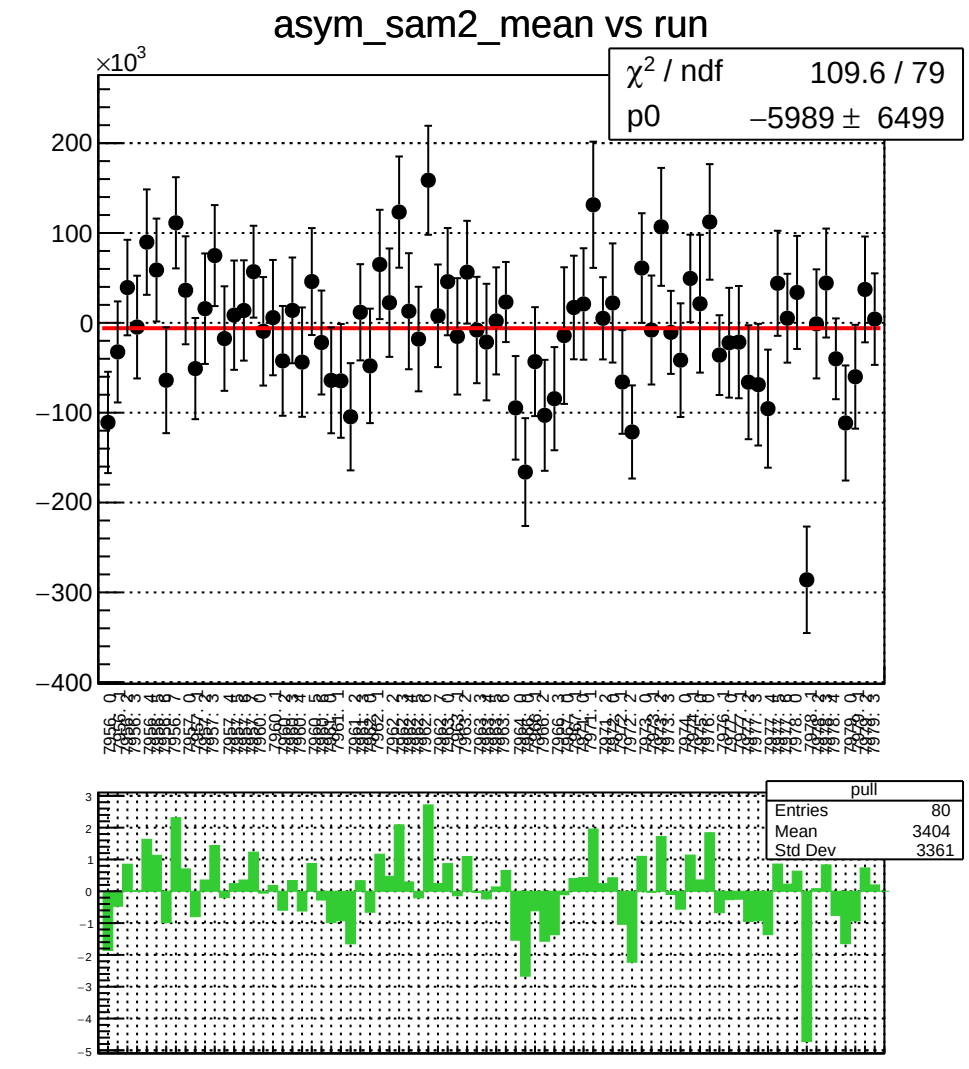

pull1D
Entries 80
Mean −0.03747
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

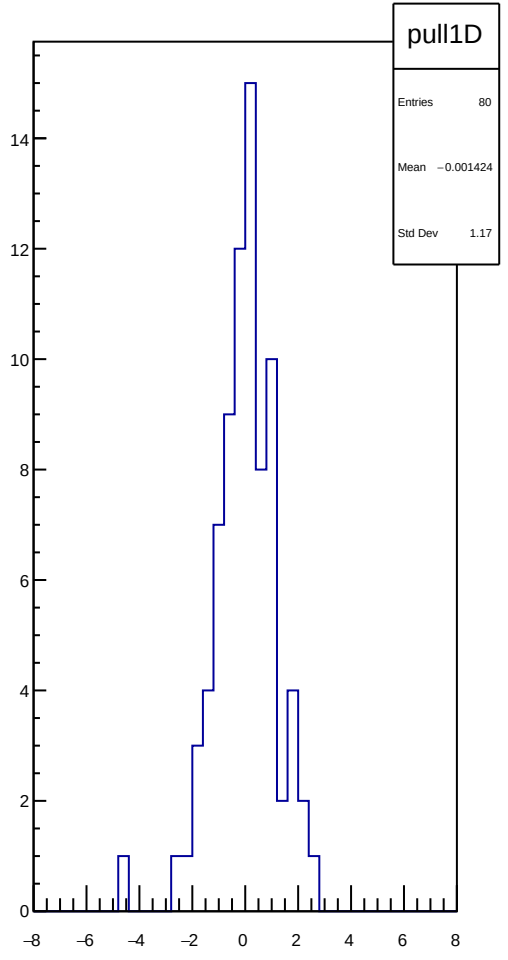

dit_asym_sam2_rms vs run
χ^2 / ndf 2.931e+04 / 79
p0 427.4 ± 0.3419
1800
1600
1400
1200
1000
800
600
400

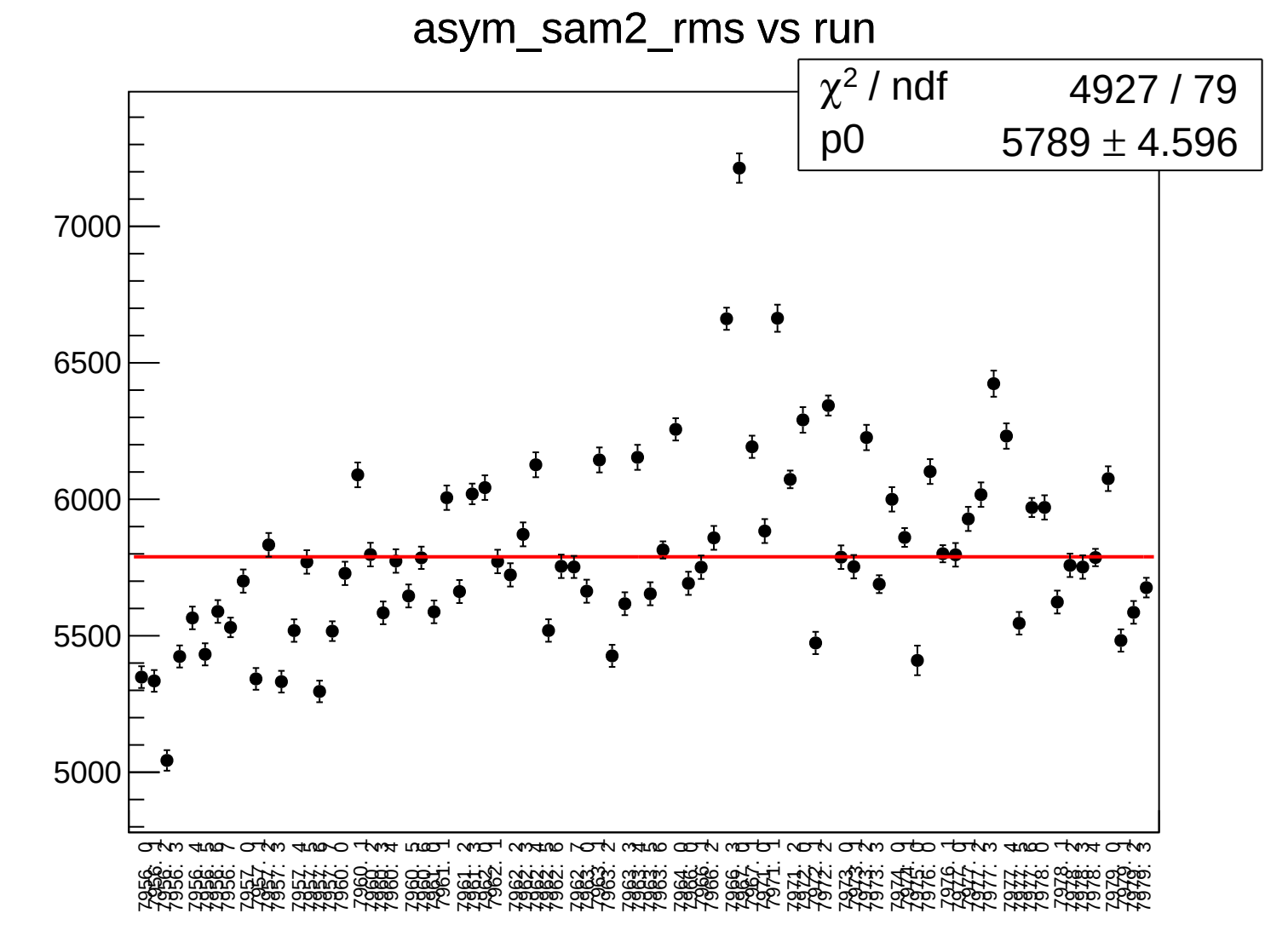

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 108.9 / 79
p0 6640 ± 6543
300
200
100
0
−100
−200
pull
Entries 80
Mean −2591
Std Dev 2635
5
4
3
2
1
0
−1
−2
−3

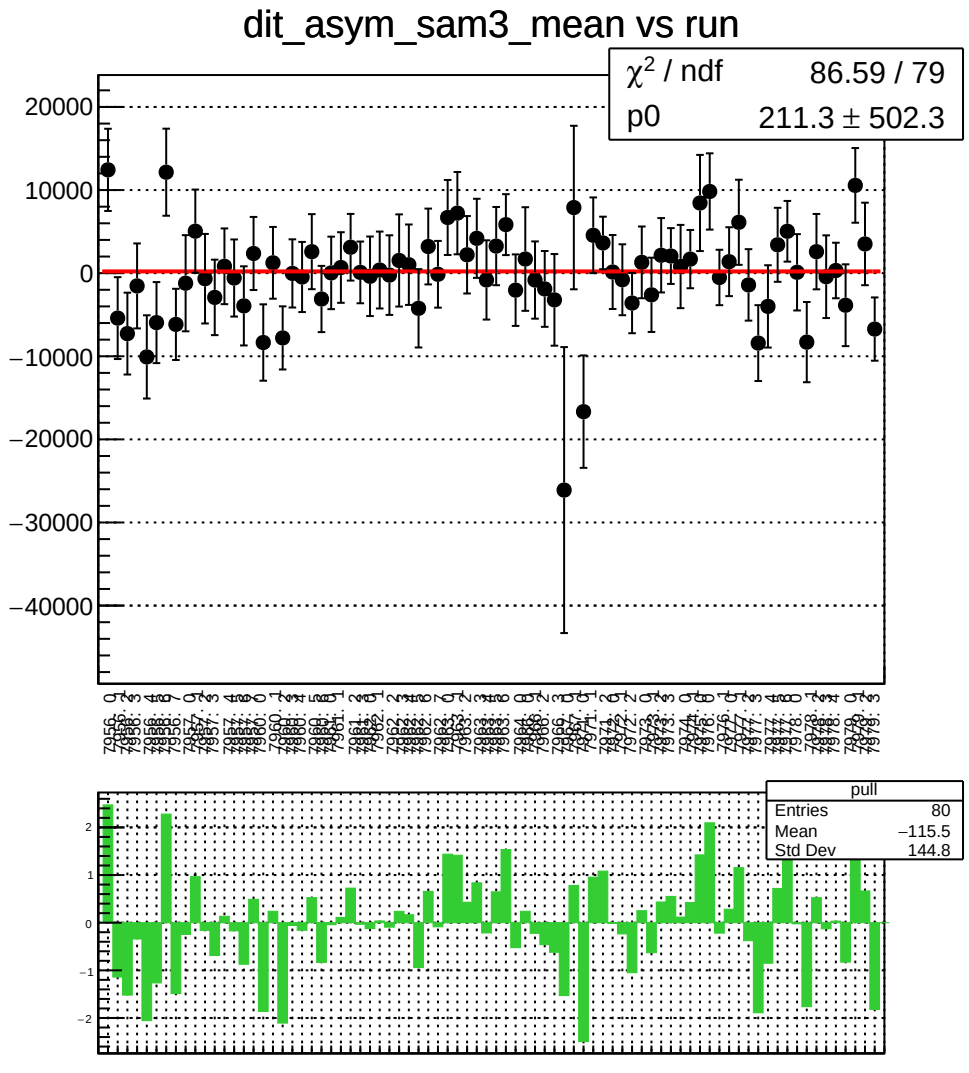

pull1D
Entries 80
Mean −0.001832
Std Dev 1.167
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

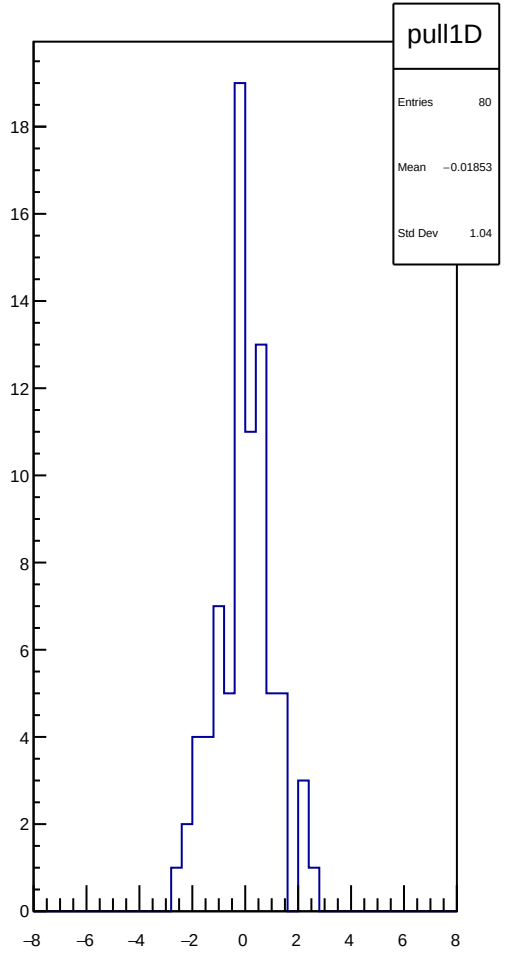

asym_sam2_correction_rms vs run
χ² / ndf 3212 / 79
p0 5832 ± 4.627
6800
6600
6400
6200
6000
5800
5600
5400
5200

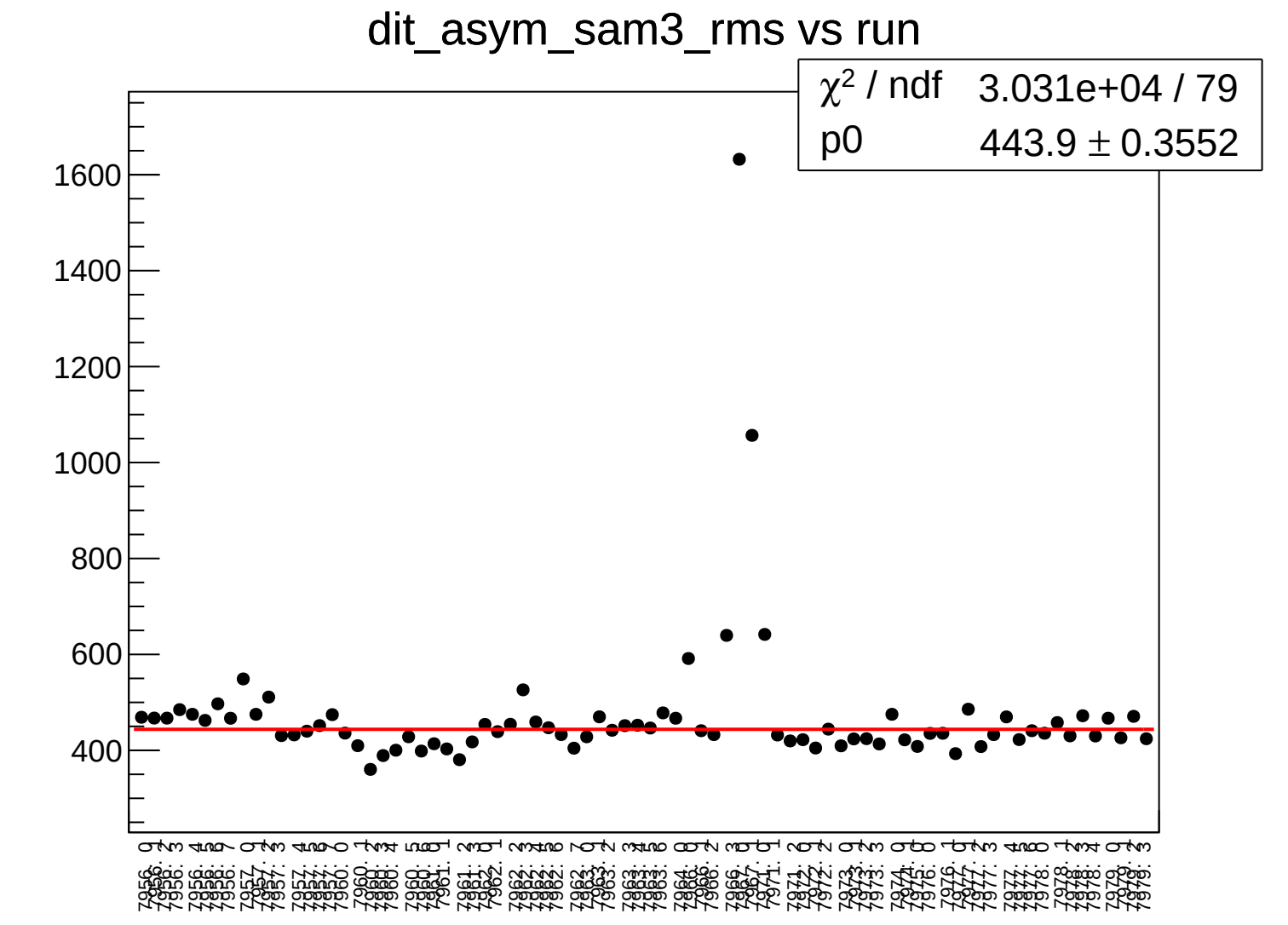

asym_sam2_mean vs run
×10^3
χ² / ndf 109.6 / 79
p0 −5989 ± 6499
pull
Entries 80
Mean 3404
Std Dev 3361

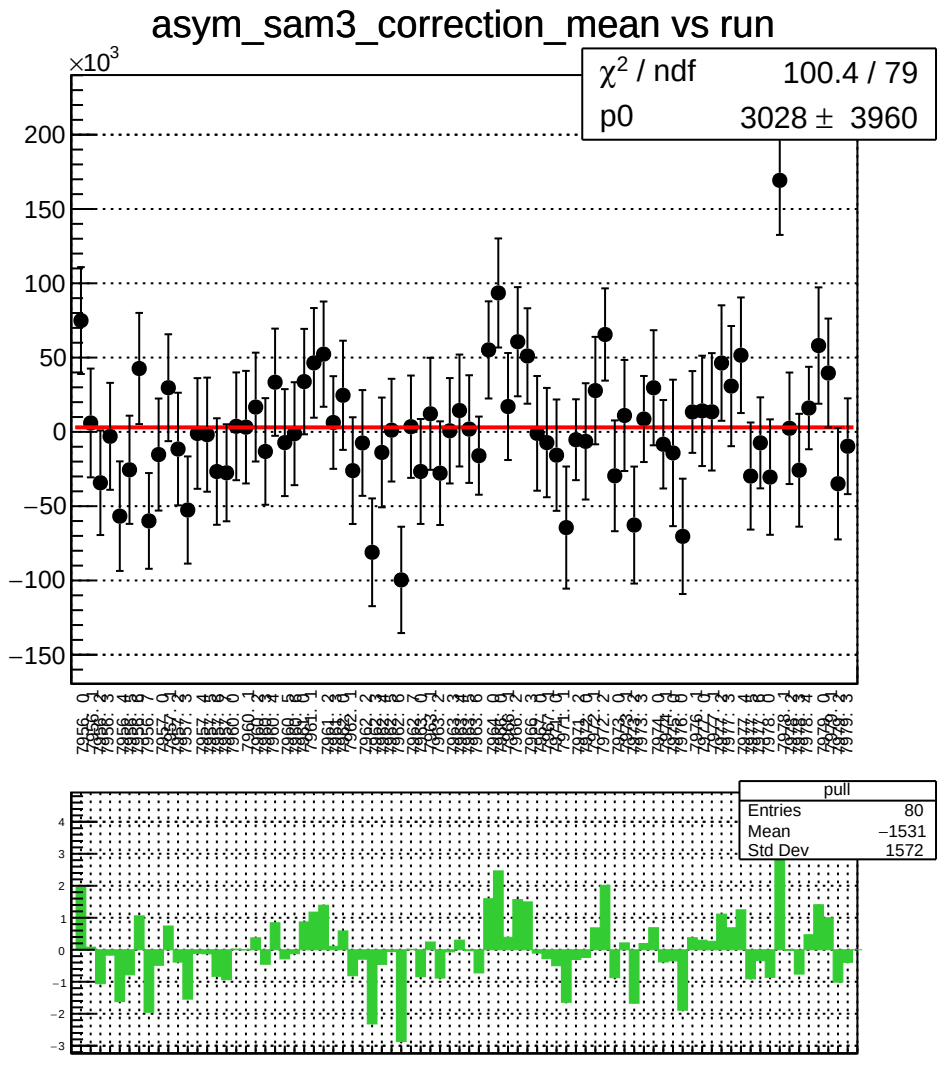

pull1D
Entries 80
Mean −0.001424
Std Dev 1.17

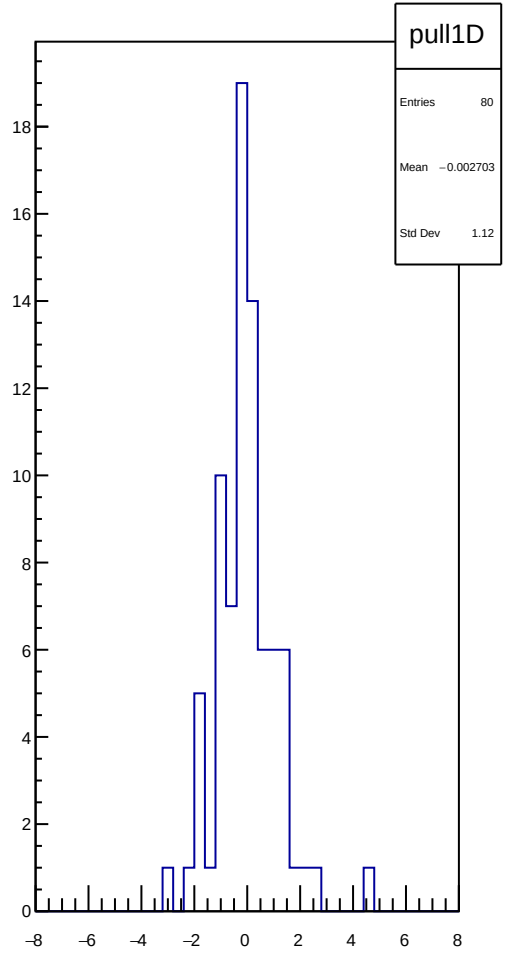

asym_sam2_rms vs run
χ^2 / ndf 4927 / 79
p0 5789 ± 4.596
7000
6500
6000
5500
5000

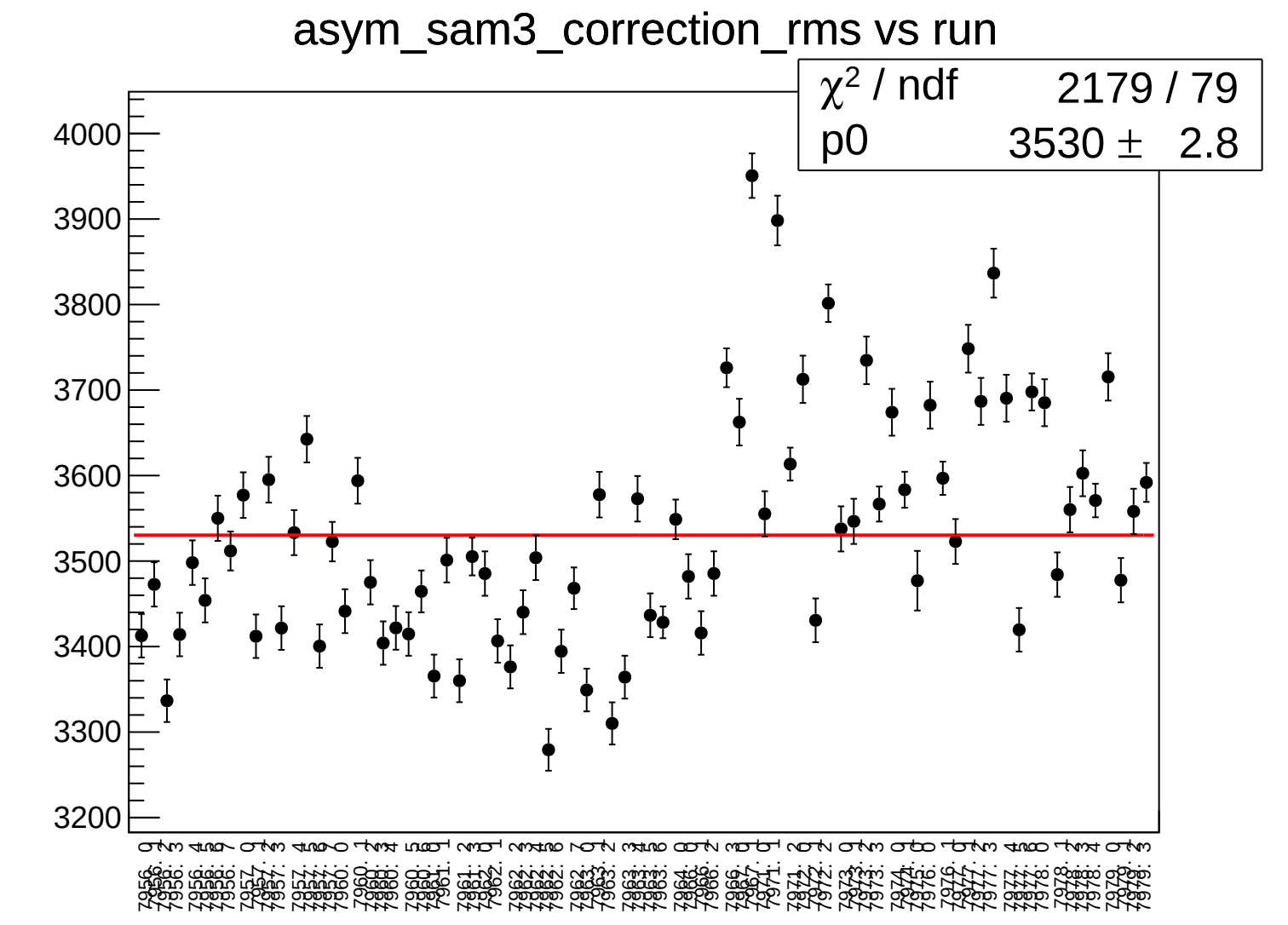

dit_asym_sam3_mean vs run
χ² / ndf 86.59 / 79
p0 211.3 ± 502.3
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −115.5
Std Dev 144.8
2
1
0
−1
−2

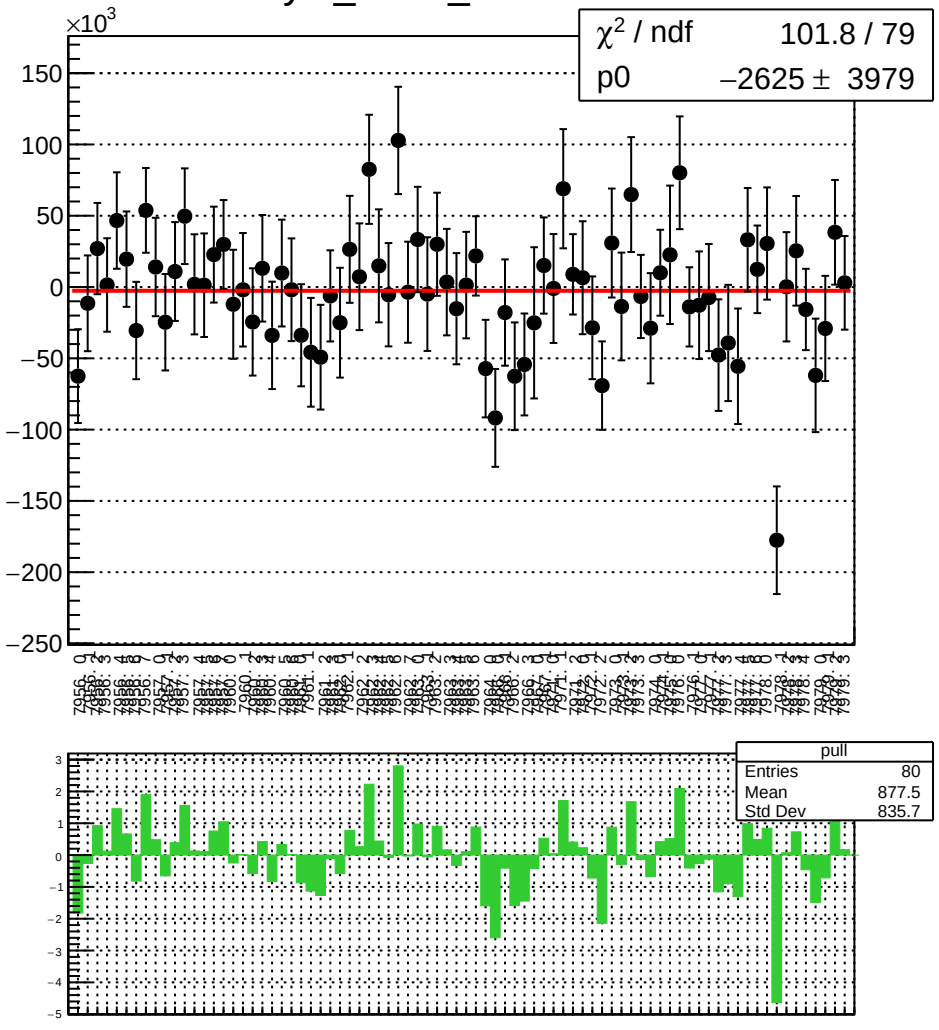

pull1D
Entries 80
Mean −0.01853
Std Dev 1.04
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

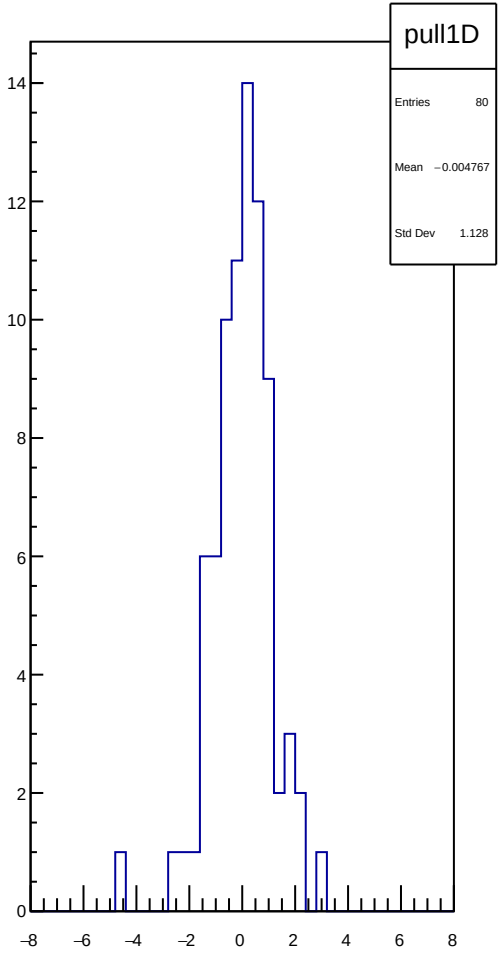

dit_asym_sam3_rms vs run
χ² / ndf 3.031e+04 / 79
p0 443.9 ± 0.3552
1600
1400
1200
1000
800
600
400

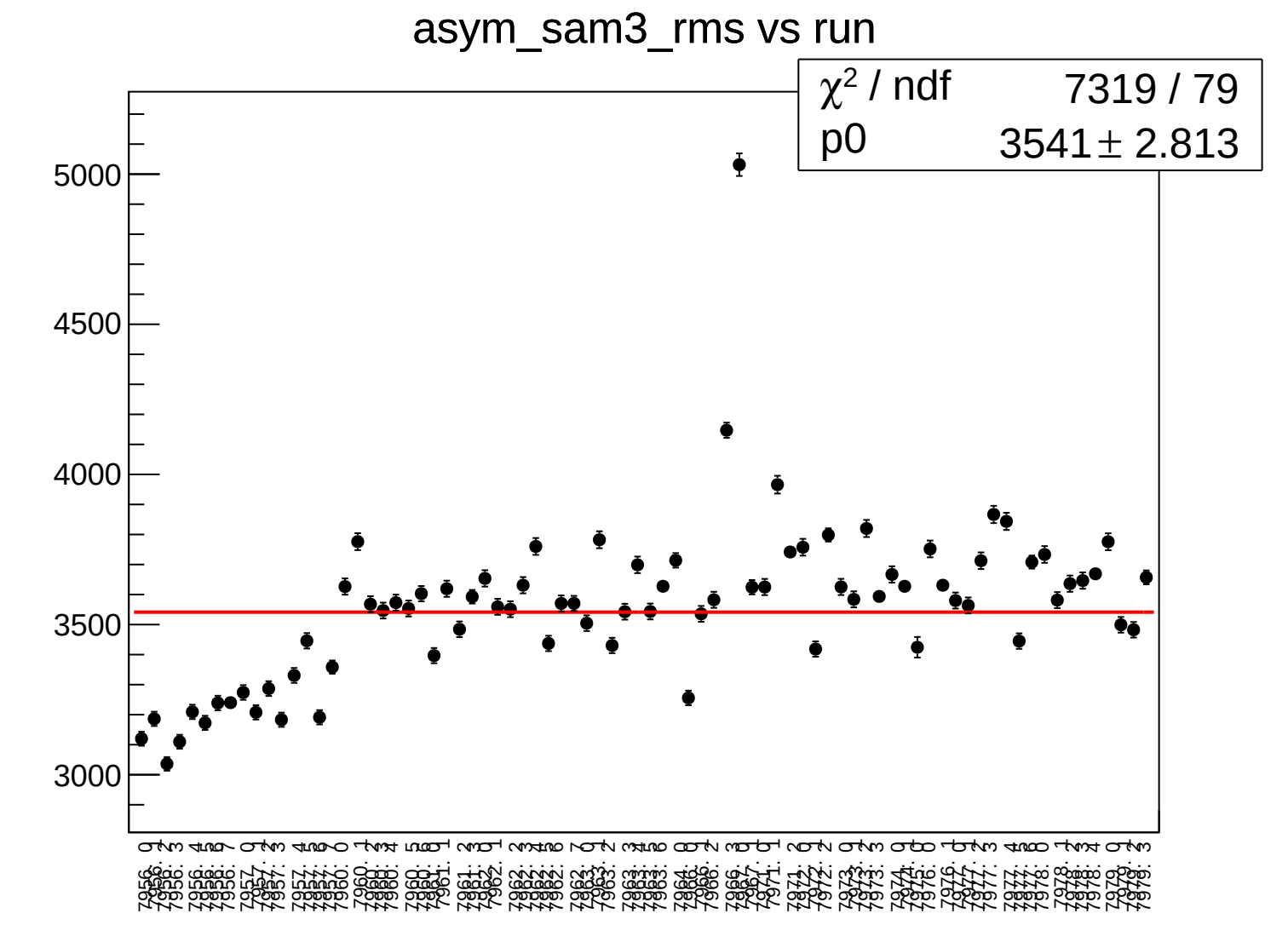

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 100.4 / 79
p0 3028 ± 3960
200
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −1531
Std Dev 1572
4
3
2
1
0
−1
−2
−3

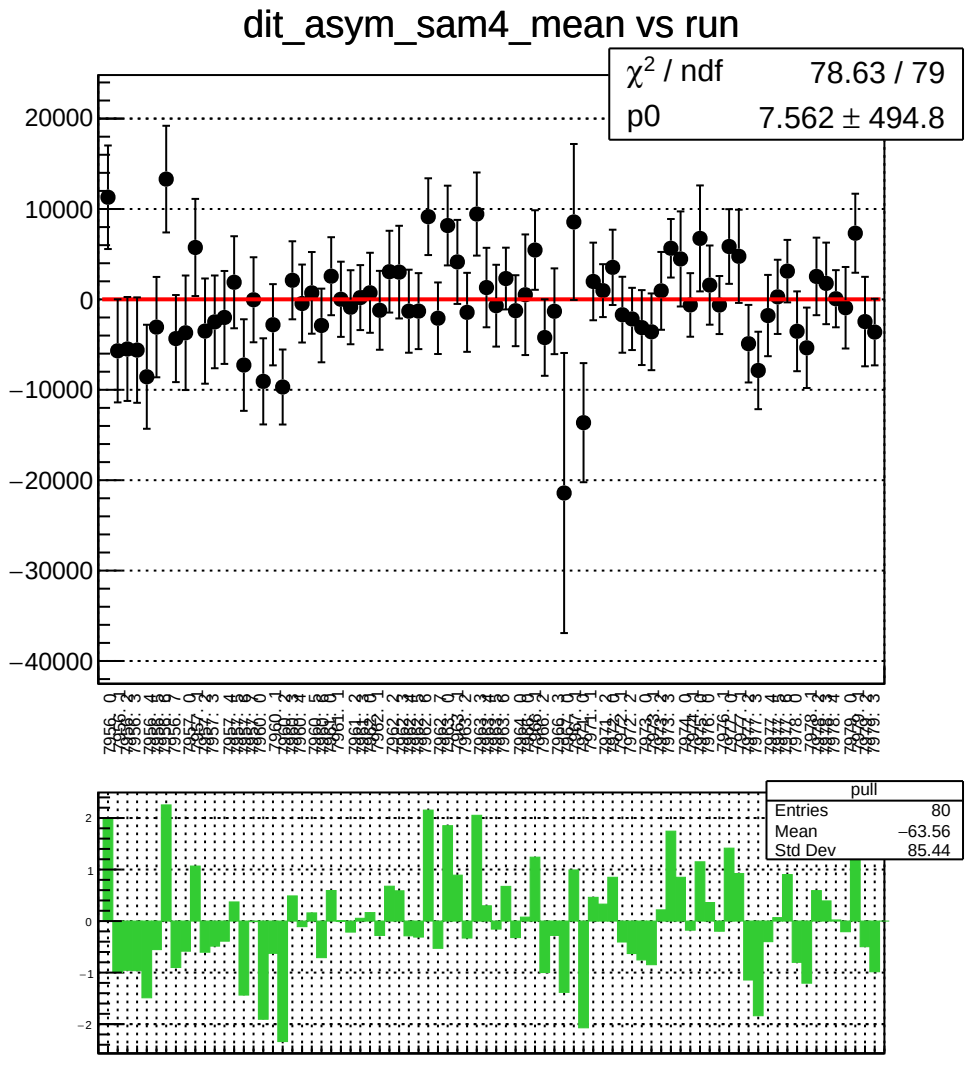

pull1D
Entries 80
Mean −0.002703
Std Dev 1.12
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

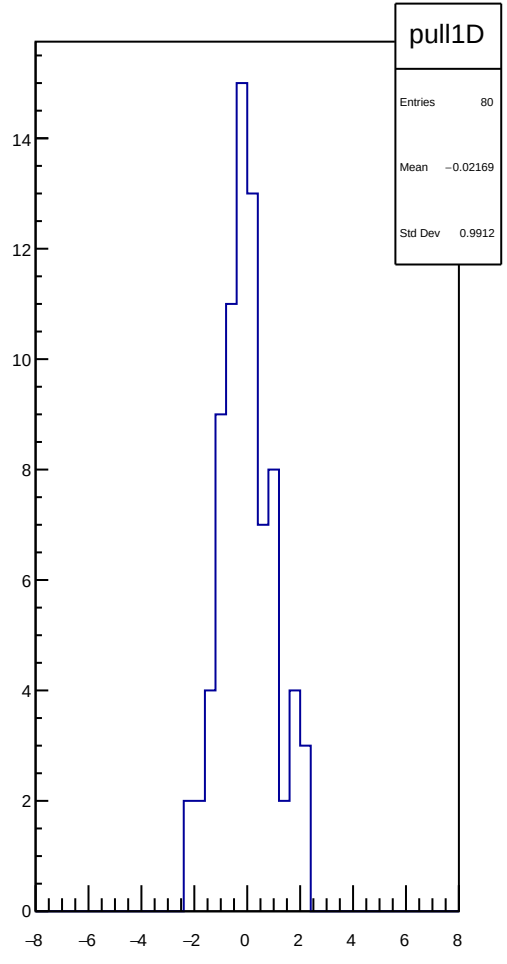

asym_sam3_correction_rms vs run
χ² / ndf 2179 / 79
p0 3530 ± 2.8
4000
3900
3800
3700
3600
3500
3400
3300
3200

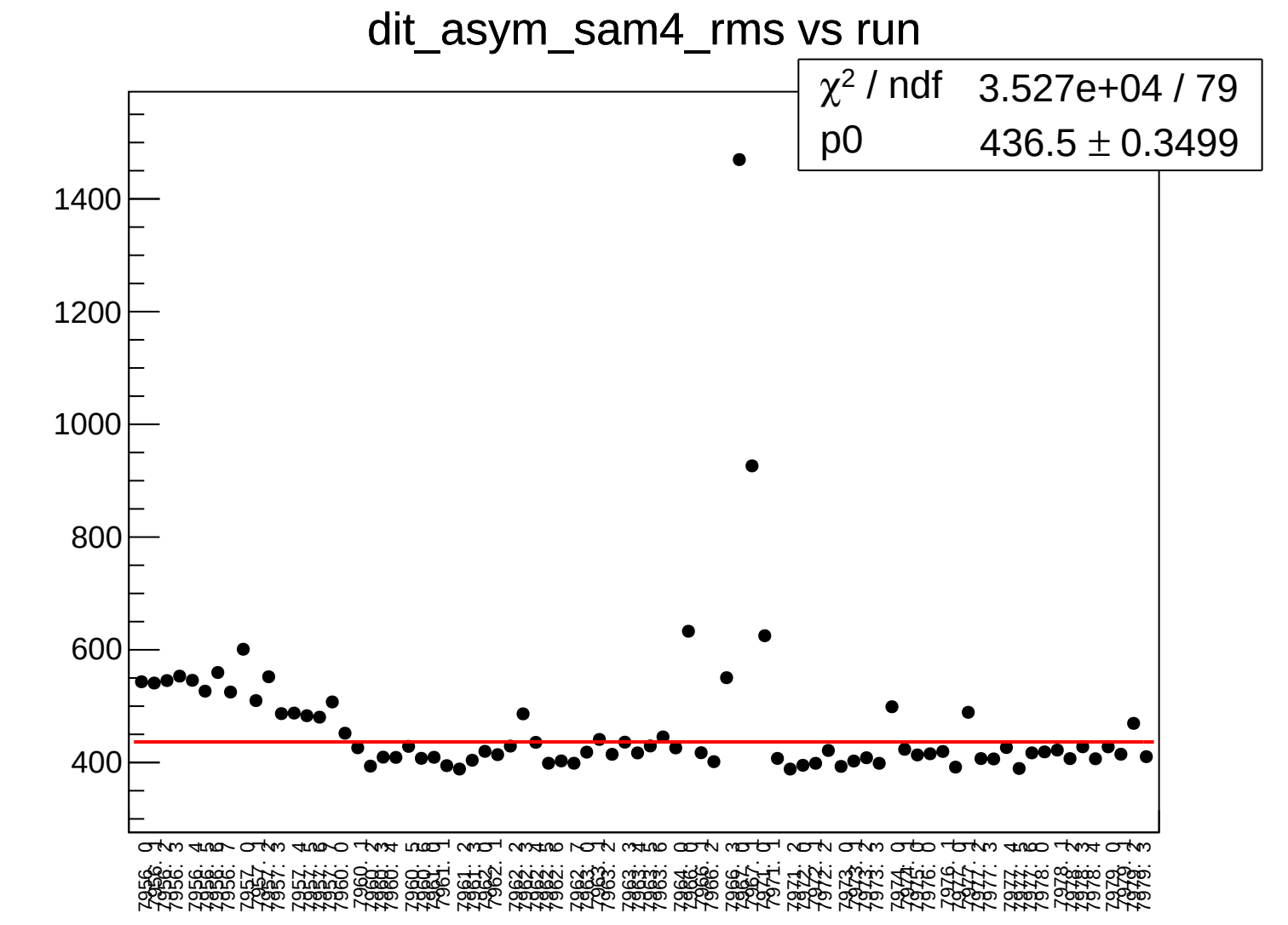

asym_sam3_mean vs run
×10^3
χ^2 / ndf 101.8 / 79
p0 −2625 ± 3979
pull
Entries 80
Mean 877.5
Std Dev 835.7

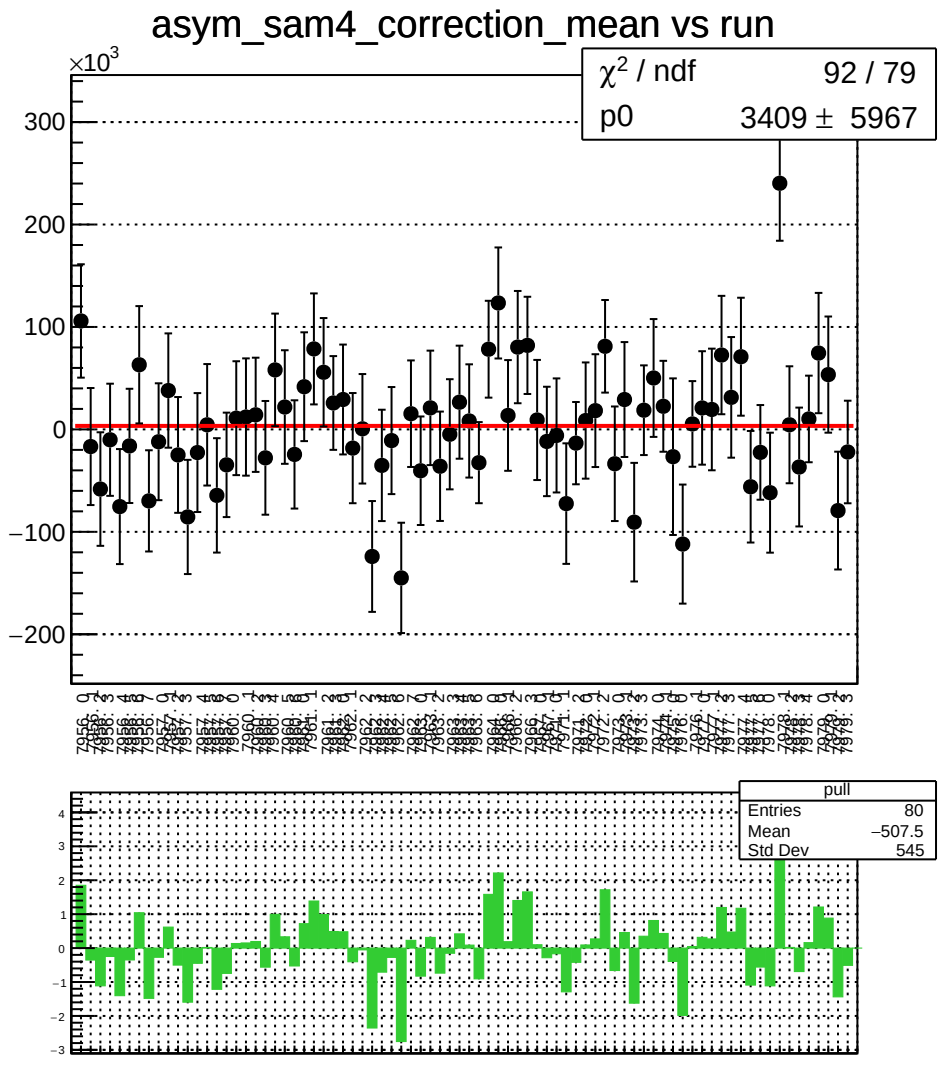

pull1D
Entries 80
Mean −0.004767
Std Dev 1.128

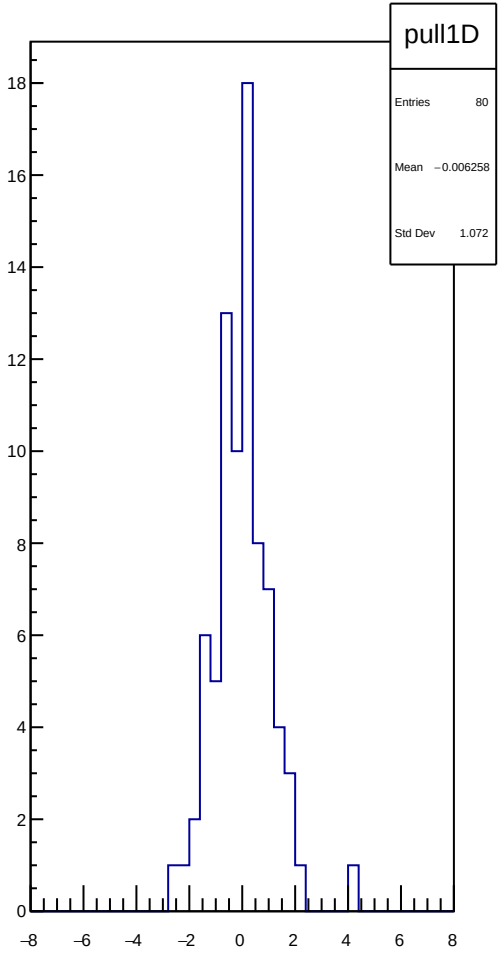

asym_sam3_rms vs run
χ^2 / ndf 7319 / 79
p0 3541 ± 2.813
5000
4500
4000
3500
3000

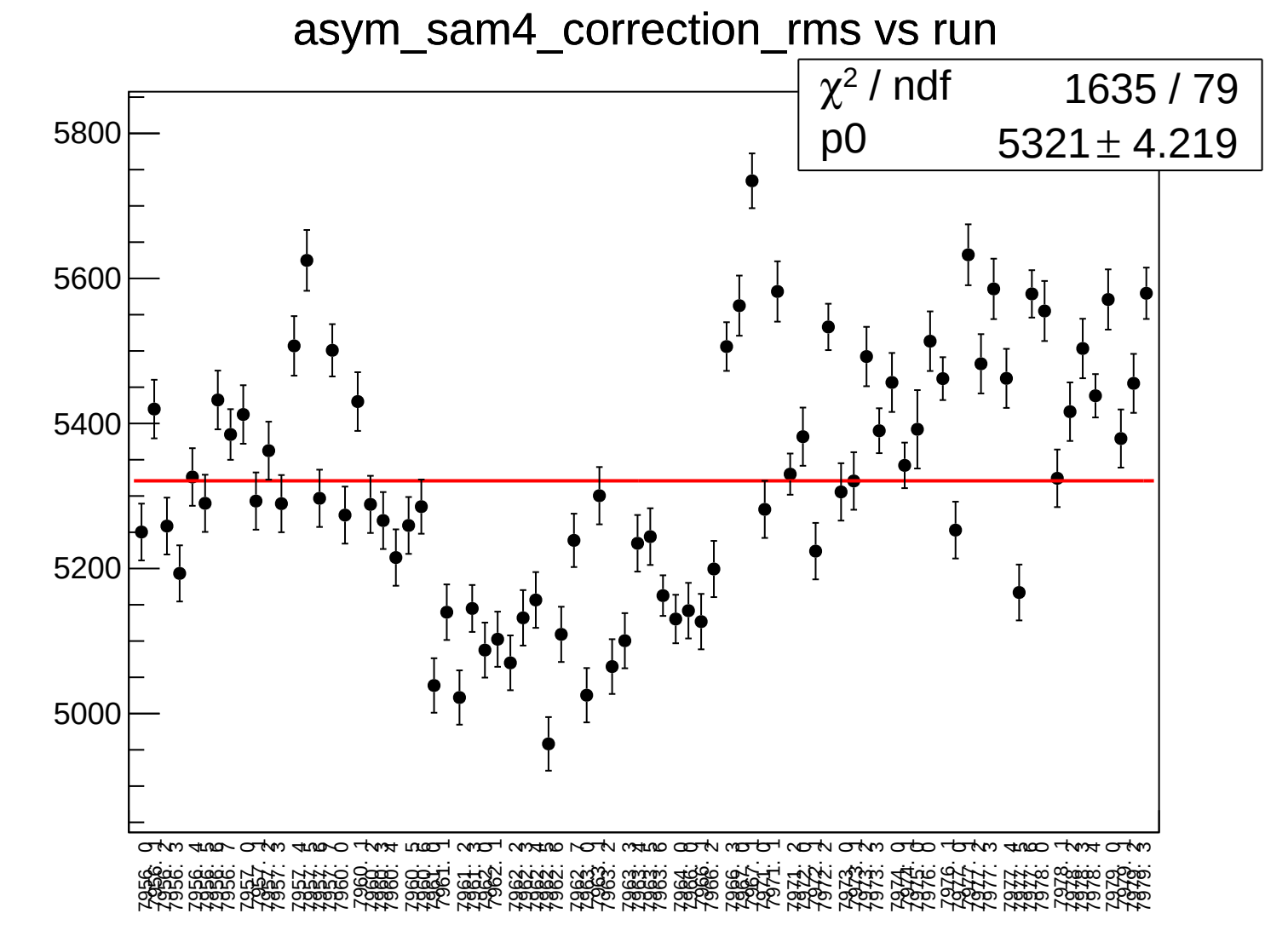

dit_asym_sam4_mean vs run
χ² / ndf 78.63 / 79
p0 7.562 ± 494.8
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −63.56
Std Dev 85.44
2
1
0
−1
−2

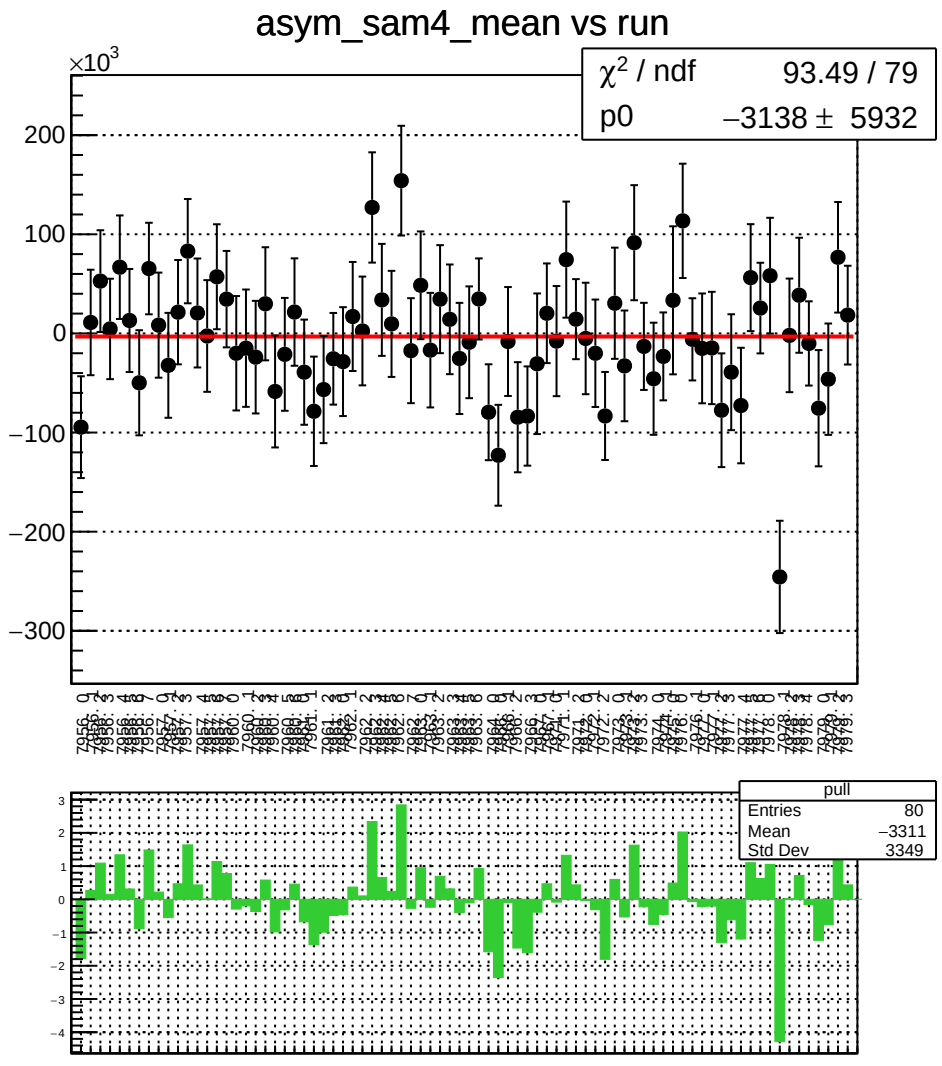

pull1D
Entries 80
Mean −0.02169
Std Dev 0.9912
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

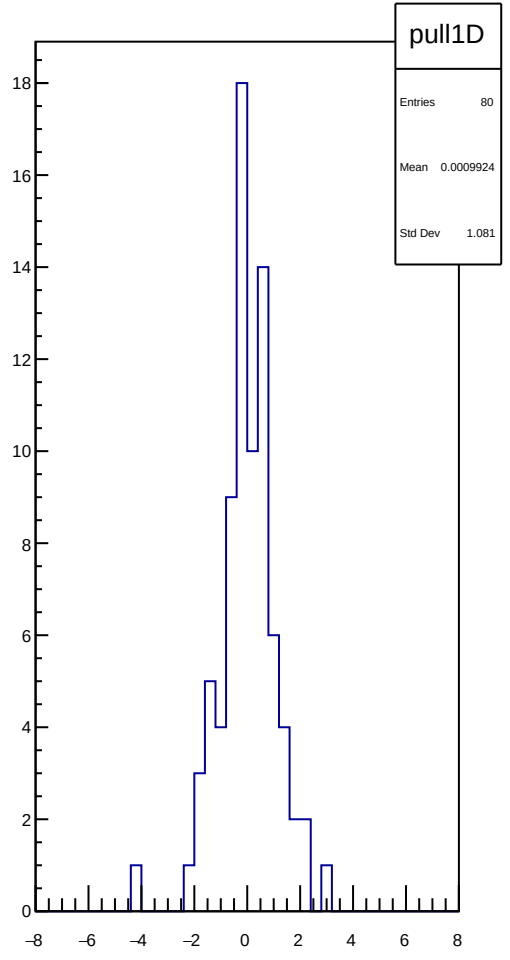

dit_asym_sam4_rms vs run
χ² / ndf 3.527e+04 / 79
p0 436.5 ± 0.3499
1400
1200
1000
800
600
400

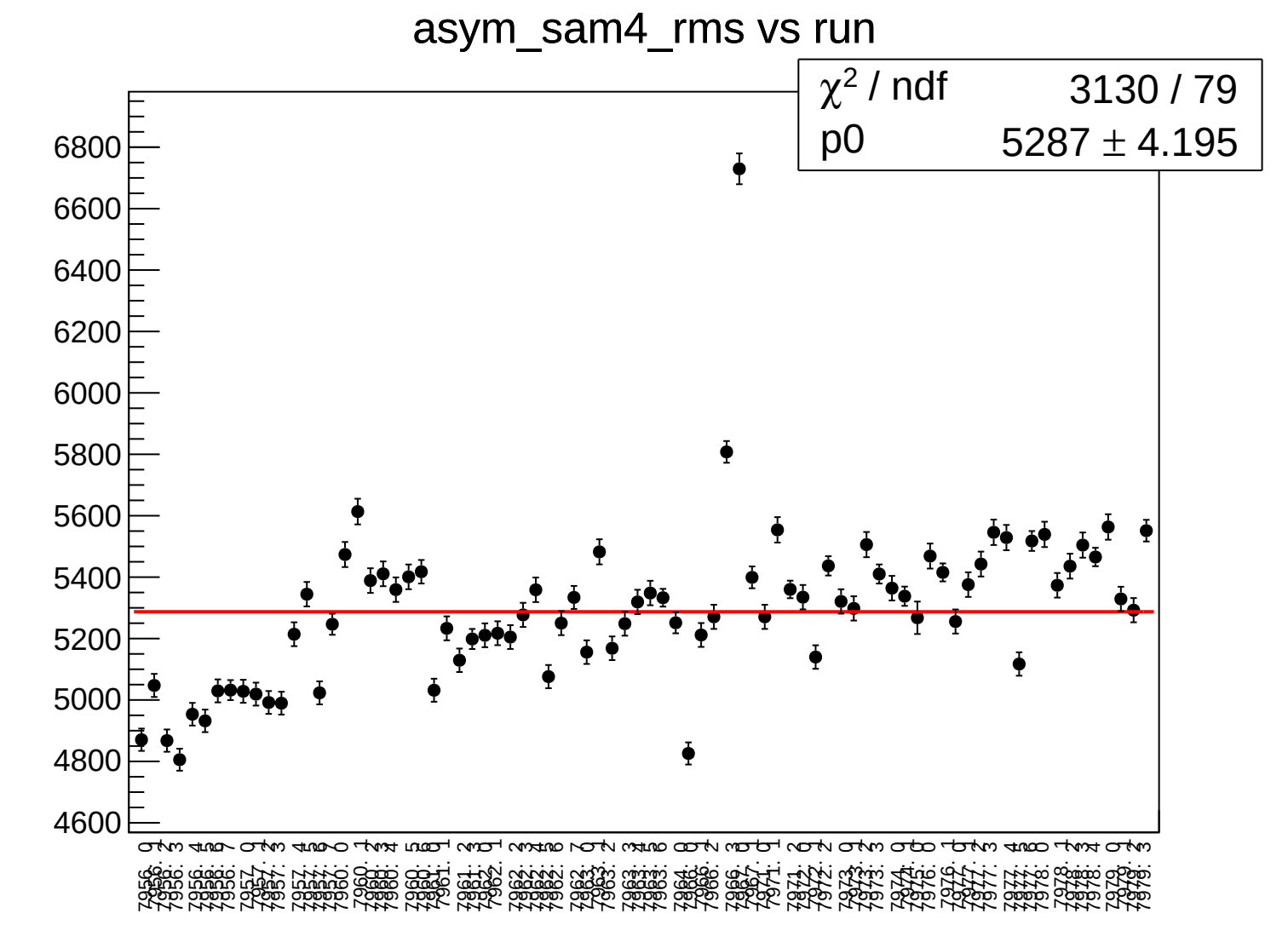

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 92 / 79
p0 3409 ± 5967
pull
Entries 80
Mean −507.5
Std Dev 545

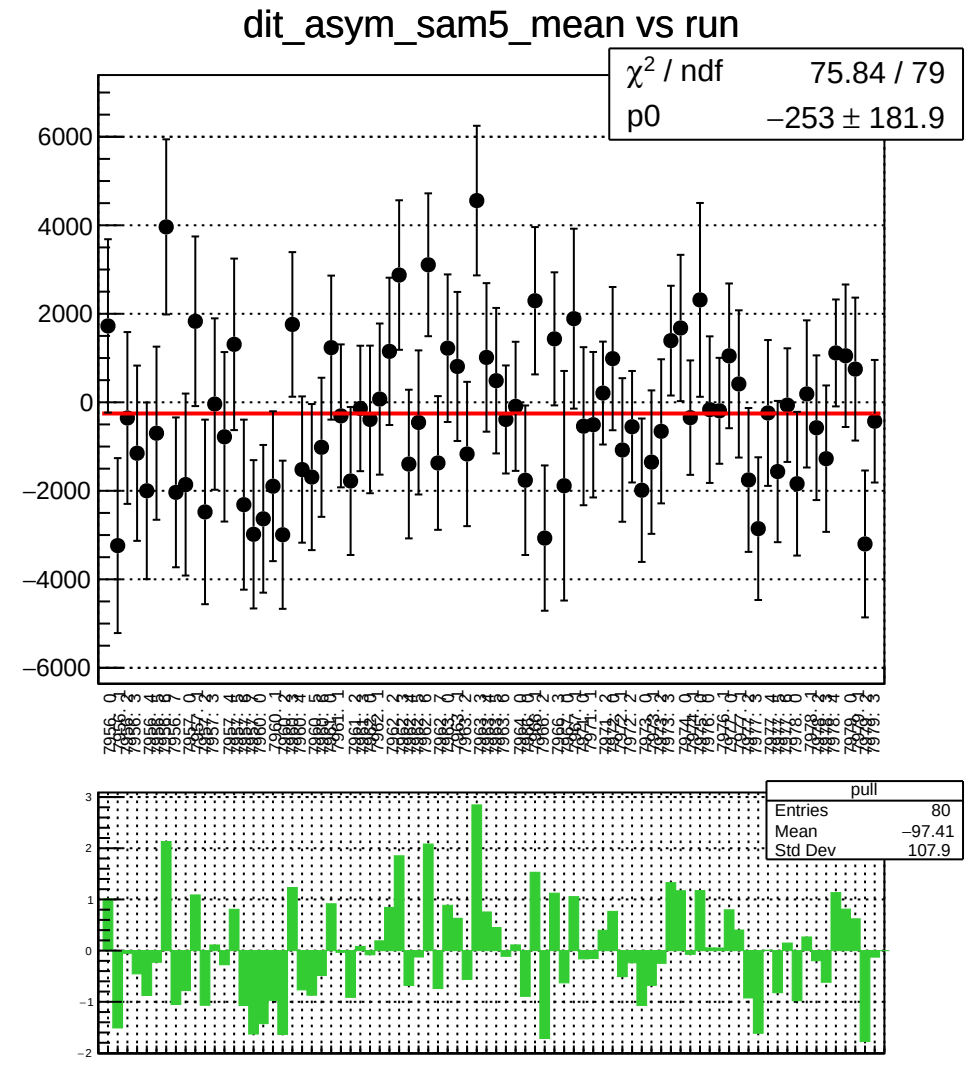

pull1D
Entries 80
Mean −0.006258
Std Dev 1.072

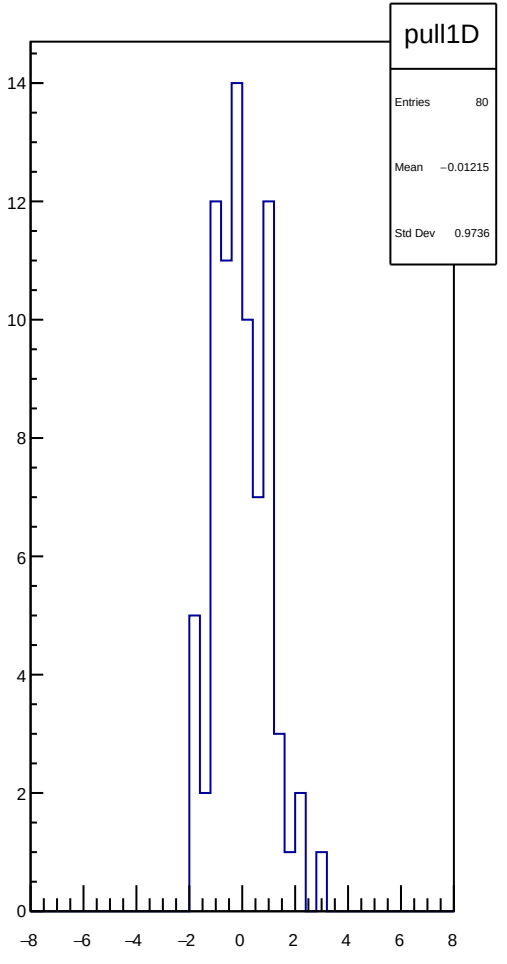

asym_sam4_correction_rms vs run
χ² / ndf 1635 / 79
p0 5321 ± 4.219
5800
5600
5400
5200
5000

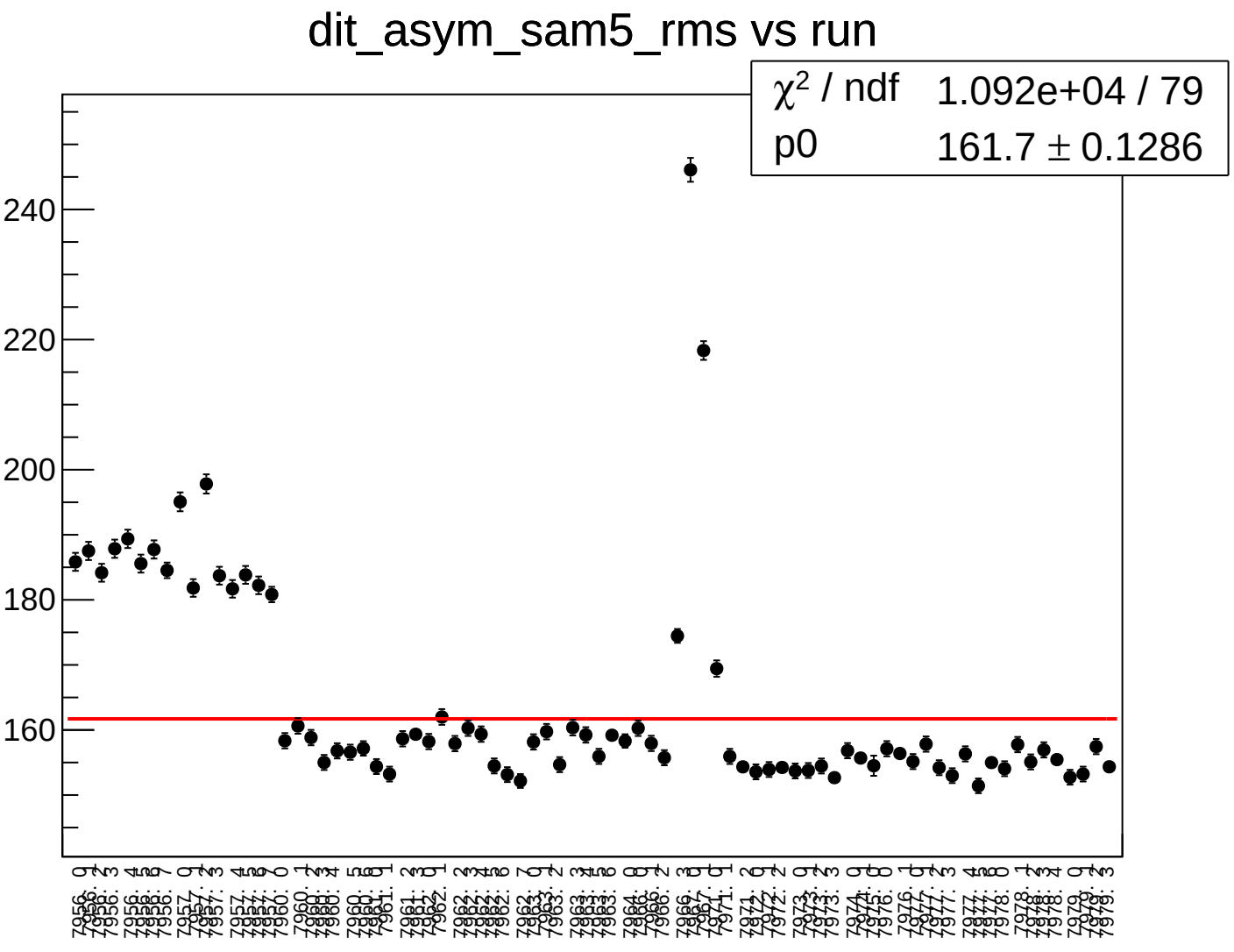

asym_sam4_mean vs run
×10^3
χ² / ndf 93.49 / 79
p0 −3138 ± 5932
200
100
0
−100
−200
−300
pull
Entries 80
Mean −3311
Std Dev 3349
3
2
1
0
−1
−2
−3
−4

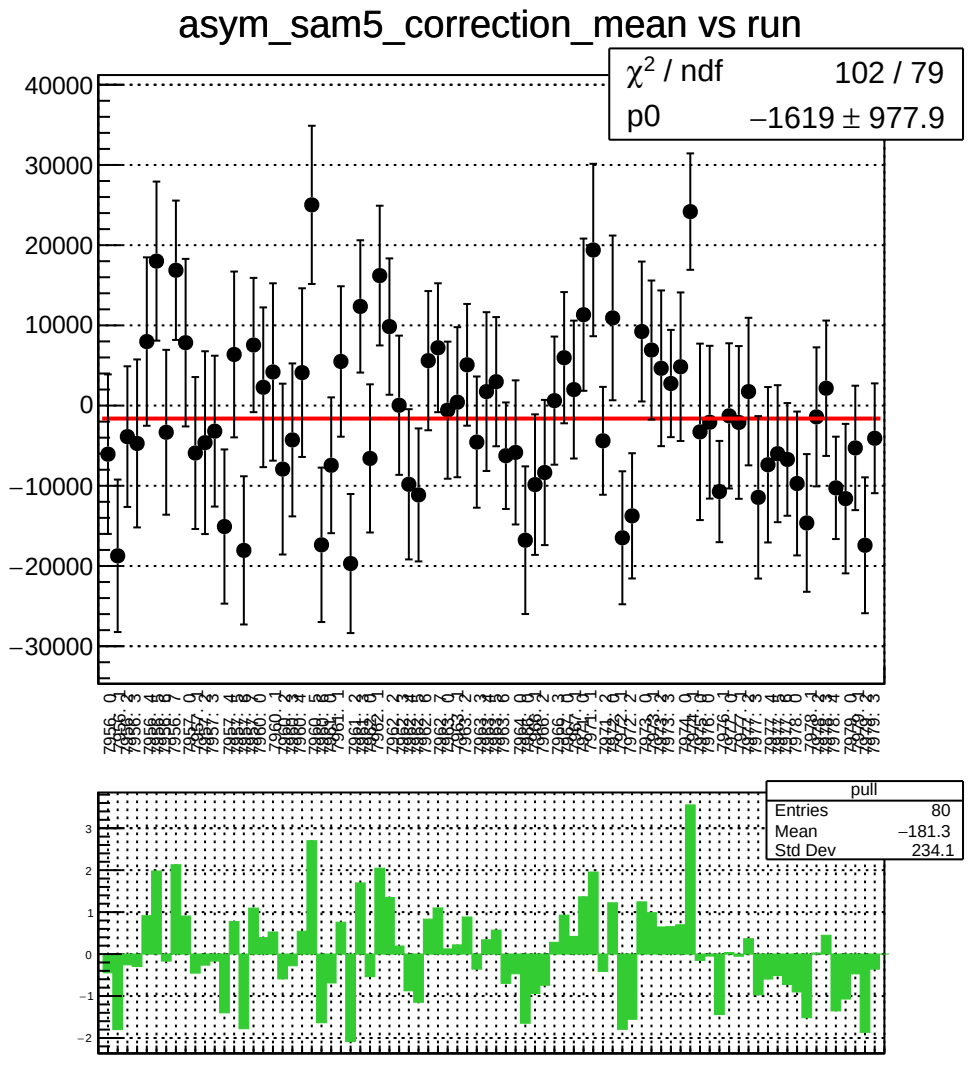

pull1D
Entries 80
Mean 0.0009924
Std Dev 1.081
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

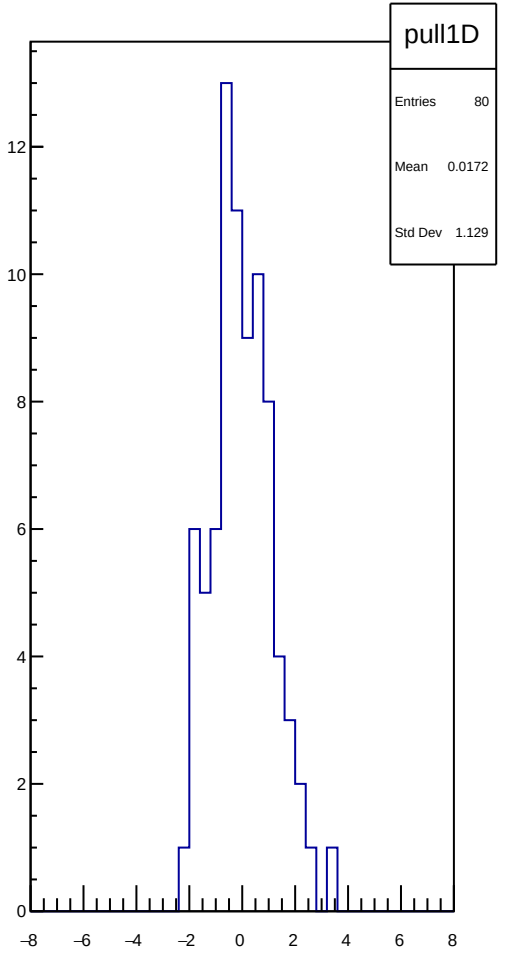

asym_sam4_rms vs run
χ^2 / ndf 3130 / 79
p0 5287 ± 4.195
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

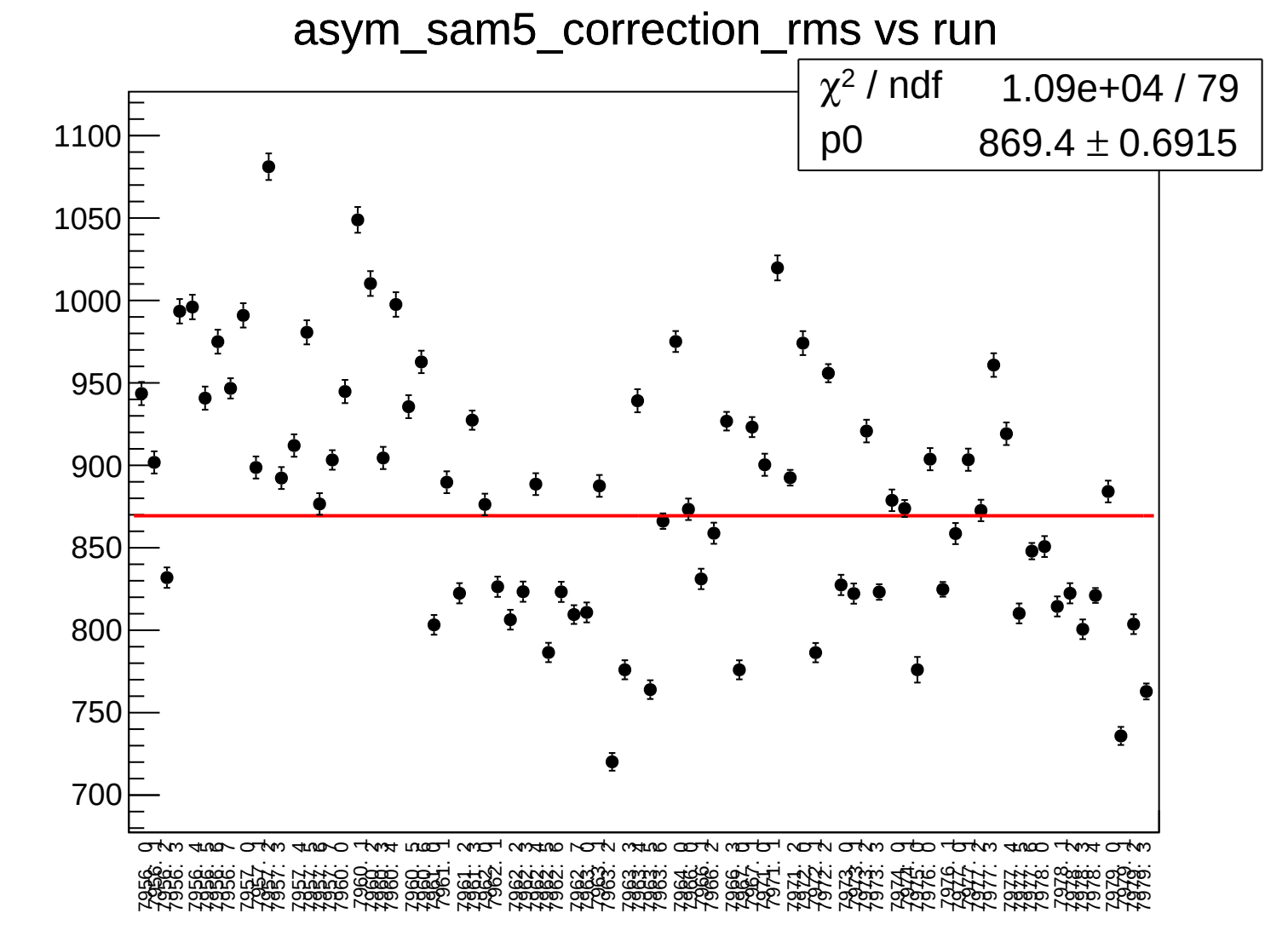

dit_asym_sam5_mean vs run
χ² / ndf 75.84 / 79
p0 −253 ± 181.9
pull
Entries 80
Mean −97.41
Std Dev 107.9

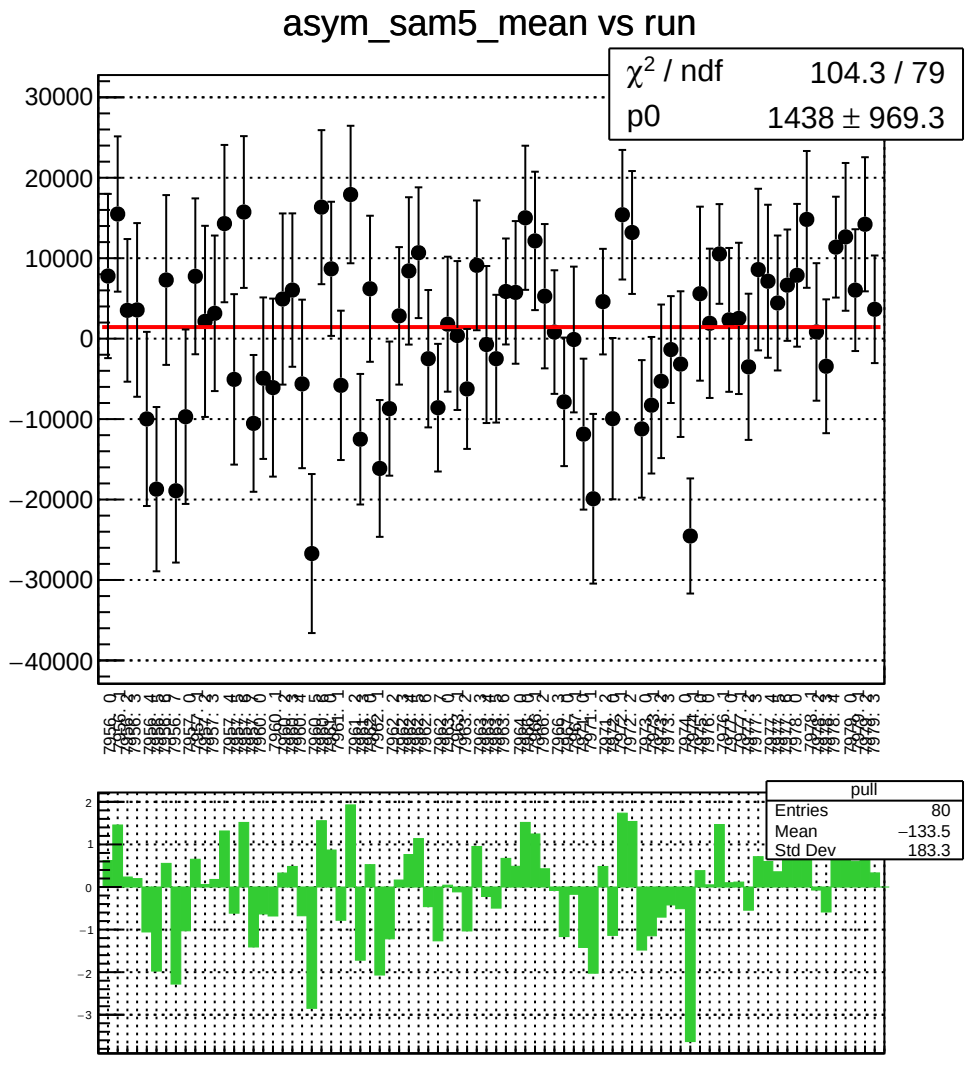

pull1D
Entries 80
Mean −0.01215
Std Dev 0.9736

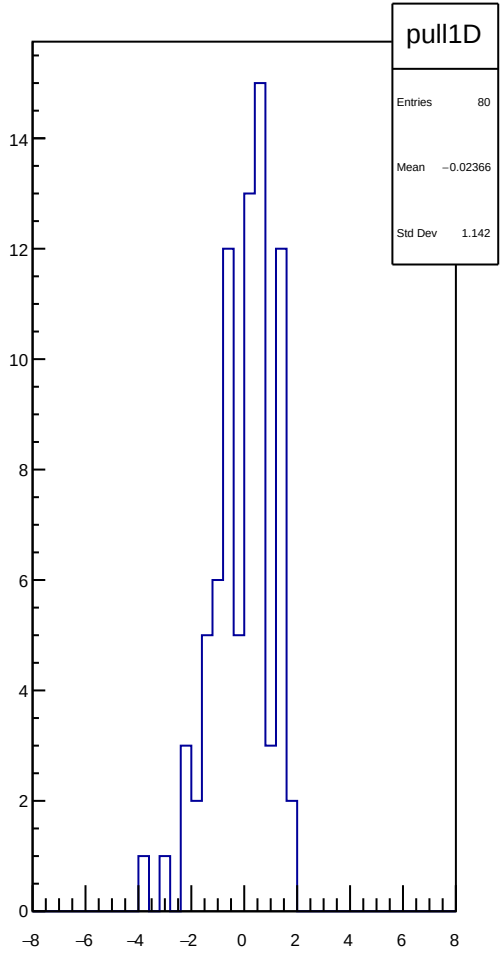

dit_asym_sam5_rms vs run
χ² / ndf 1.092e+04 / 79
p0 161.7 ± 0.1286
240
220
200
180
160

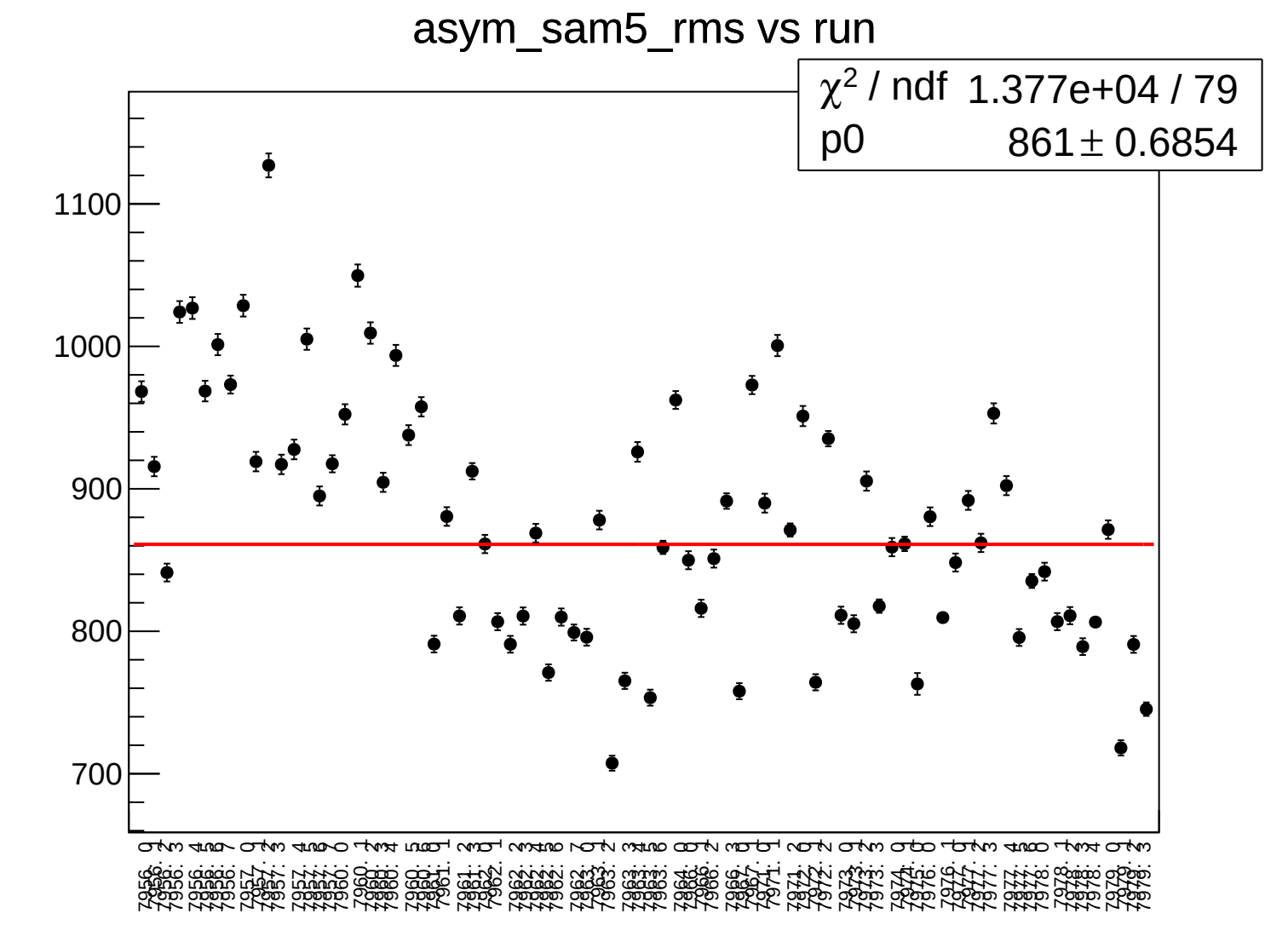

asym_sam5_correction_mean vs run
χ² / ndf 102 / 79
p0 −1619 ± 977.9
pull
Entries 80
Mean −181.3
Std Dev 234.1

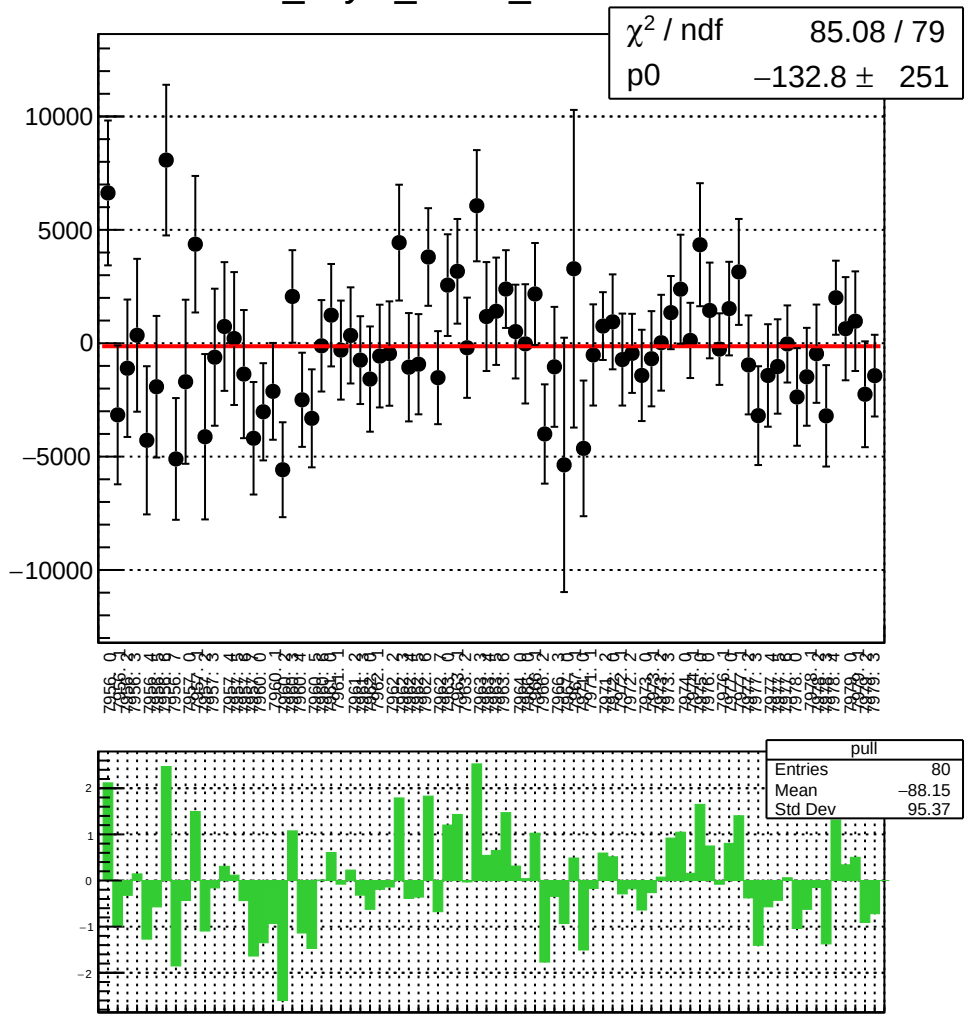

pull1D
Entries 80
Mean 0.0172
Std Dev 1.129

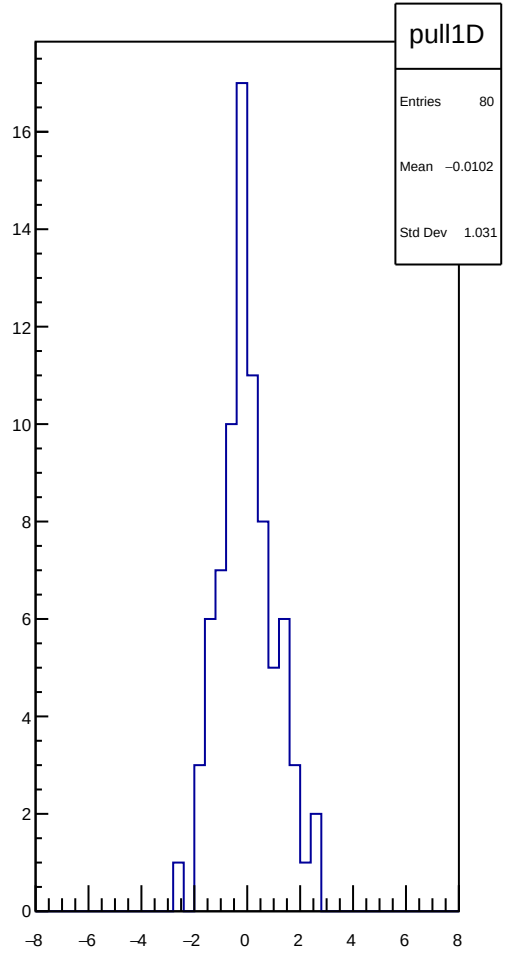

asym_sam5_correction_rms vs run
χ² / ndf 1.09e+04 / 79
p0 869.4 ± 0.6915
1100
1050
1000
950
900
850
800
750
700

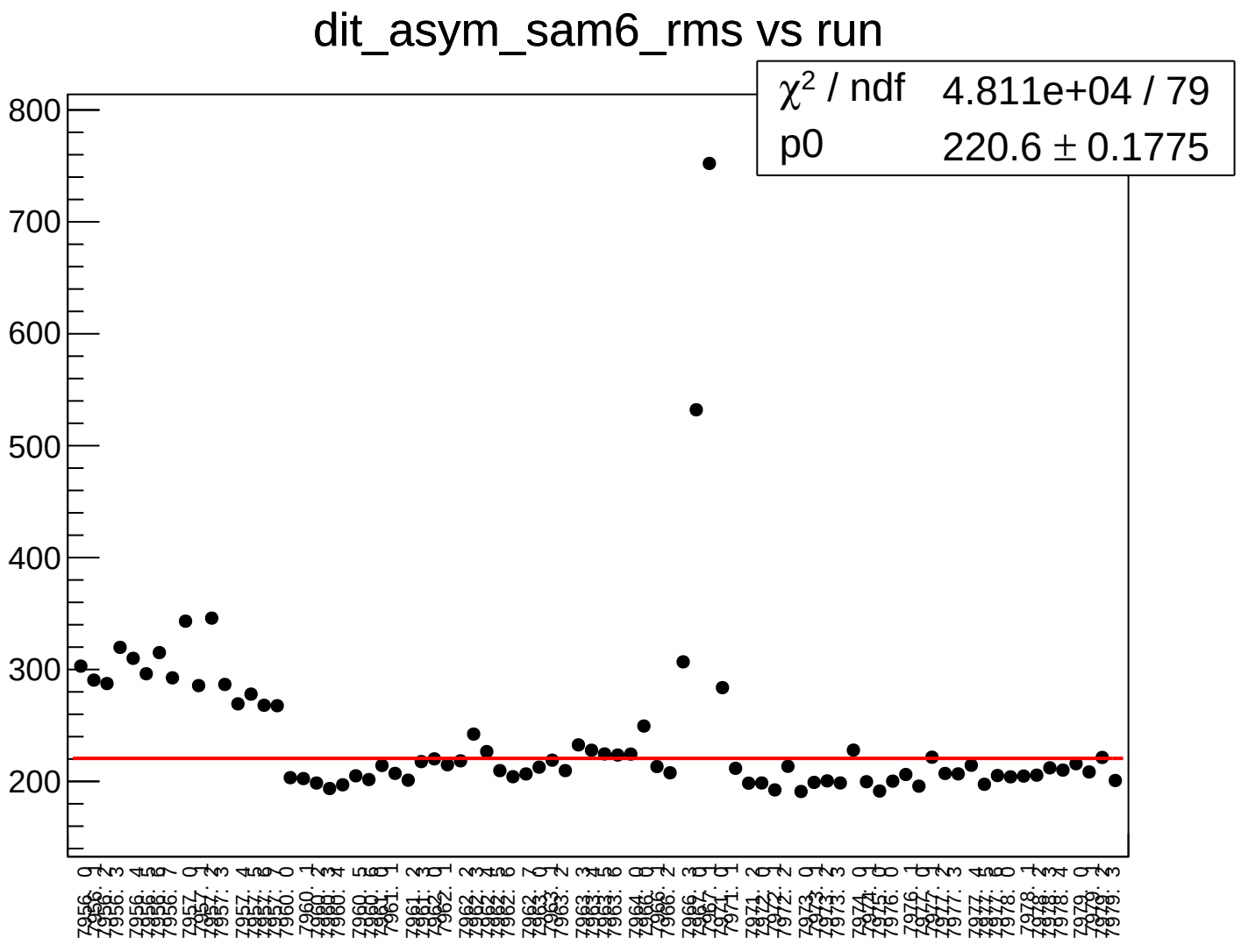

asym_sam5_mean vs run
χ² / ndf 104.3 / 79
p0 1438 ± 969.3
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −133.5
Std Dev 183.3
2
1
0
−1
−2
−3

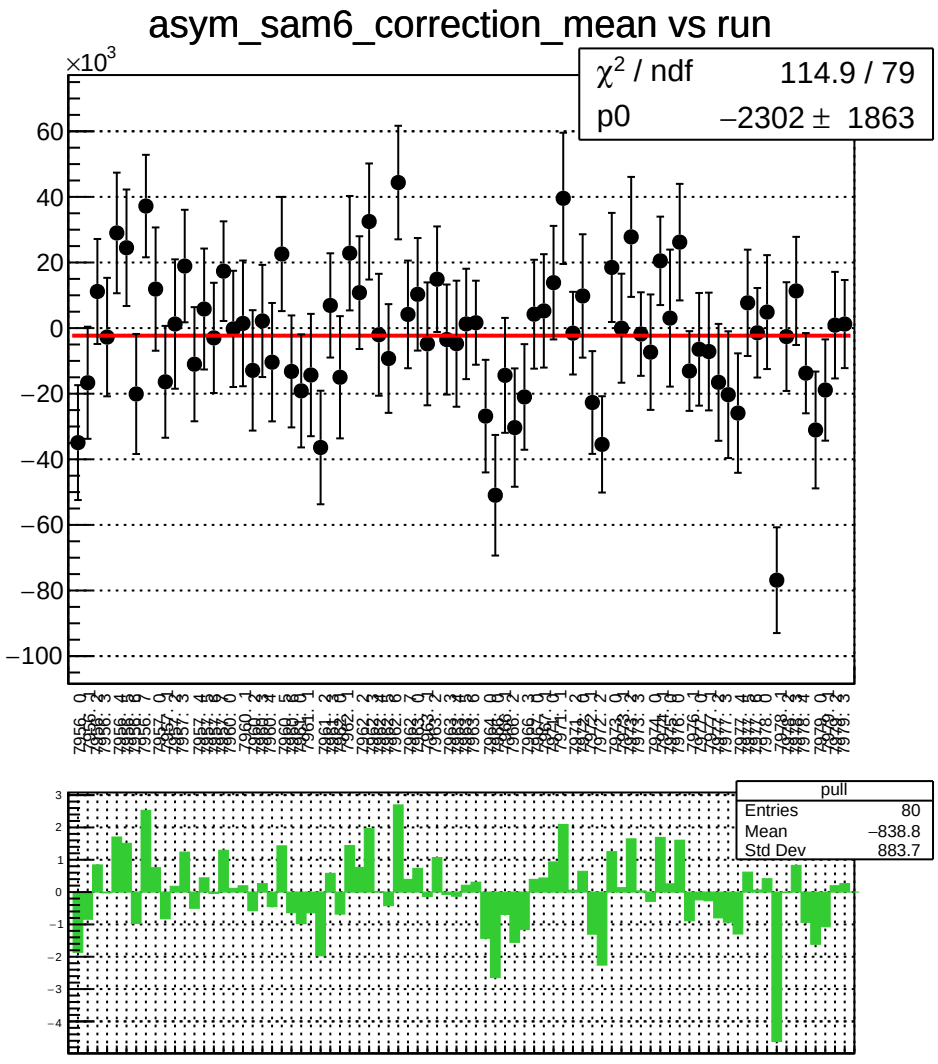

pull1D
Entries 80
Mean −0.02366
Std Dev 1.142
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

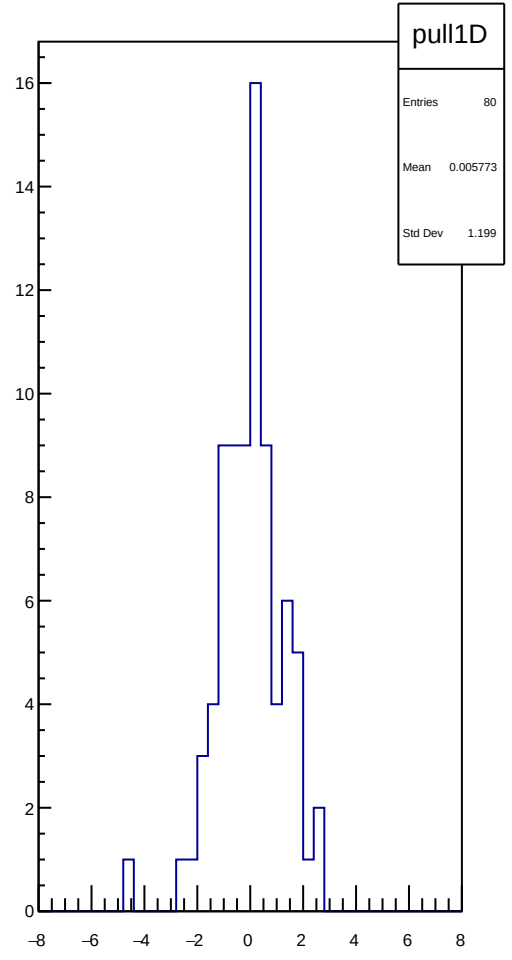

asym_sam5_rms vs run
χ^2 / ndf 1.377e+04 / 79
p0 861 ± 0.6854
1100
1000
900
800
700

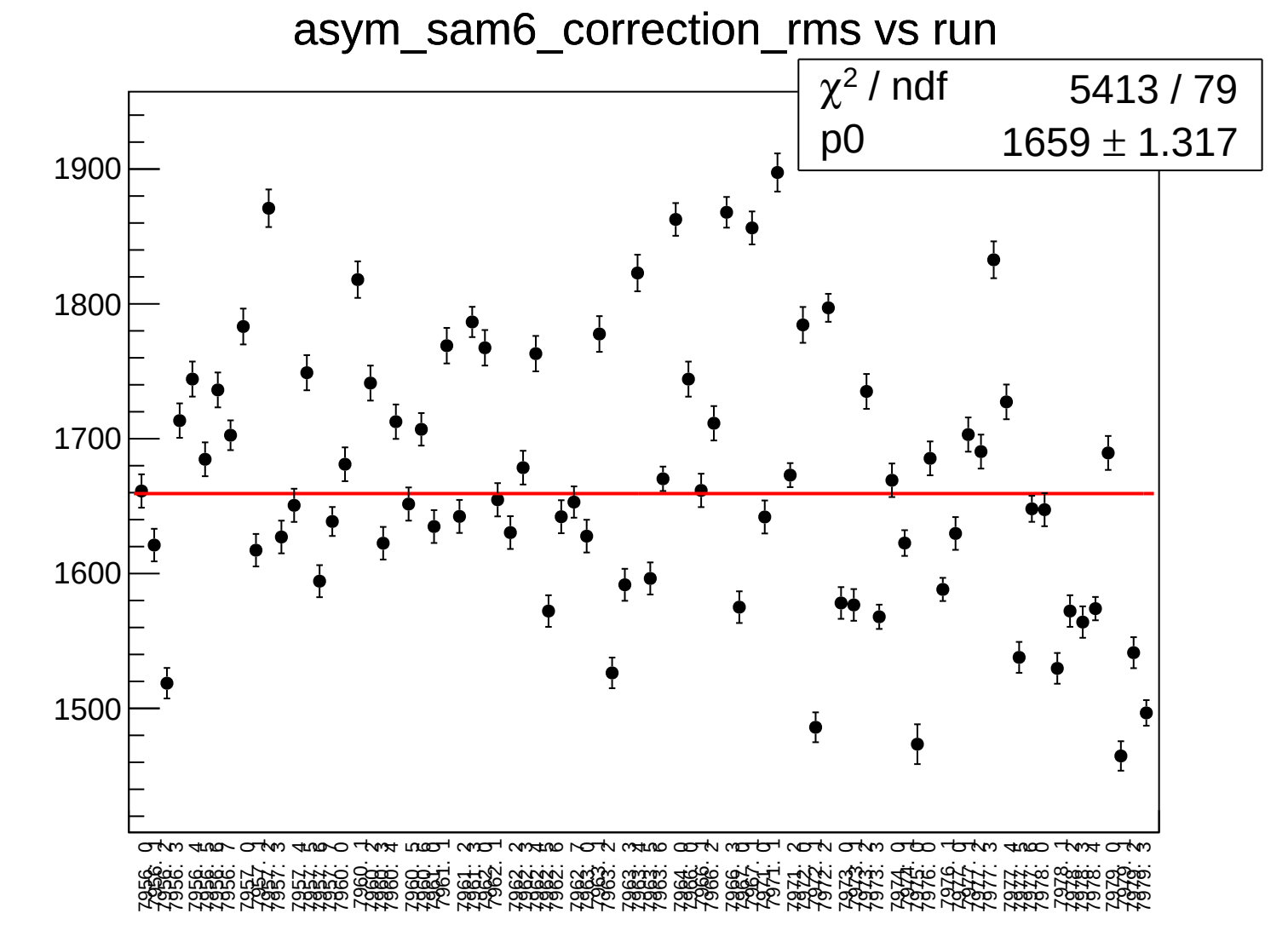

dit_asym_sam6_mean vs run
χ^2 / ndf 85.08 / 79
p0 −132.8 ± 251
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −88.15
Std Dev 95.37
2
1
0
−1
−2

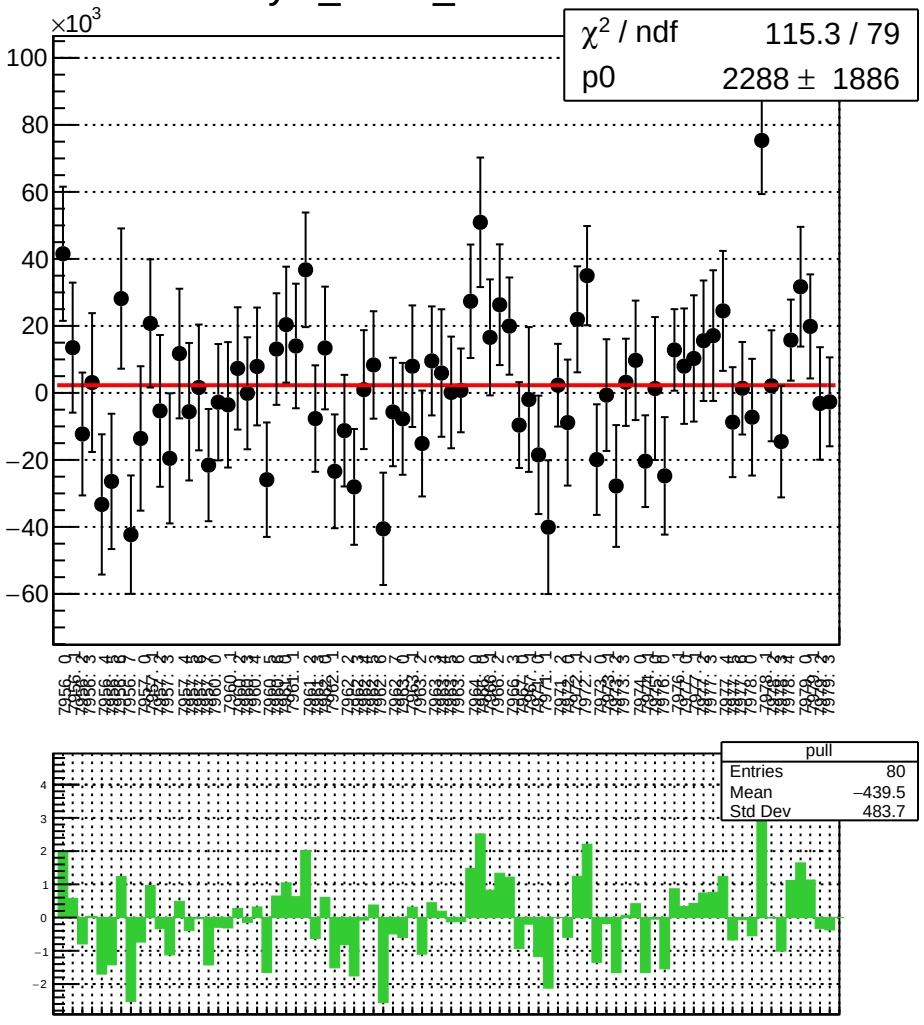

pull1D
Entries 80
Mean −0.0102
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

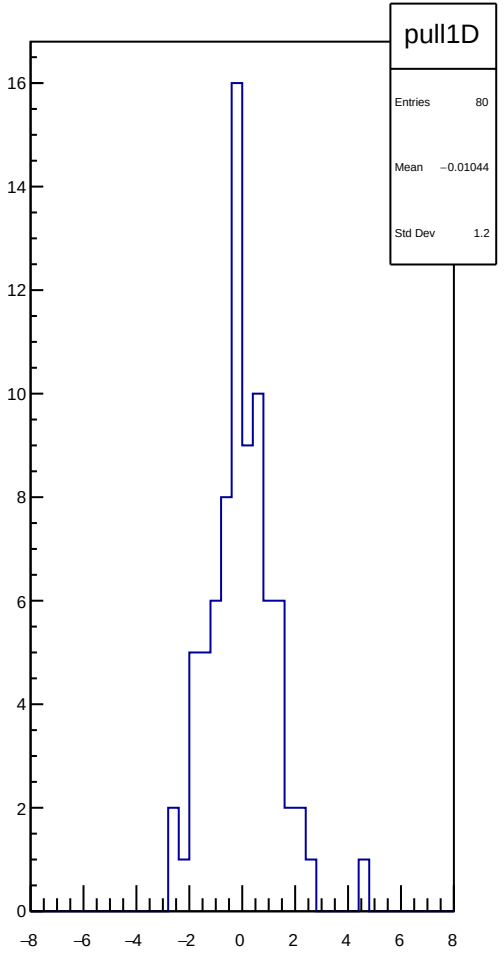

dit_asym_sam6_rms vs run
χ² / ndf 4.811e+04 / 79
p0 220.6 ± 0.1775
800
700
600
500
400
300
200

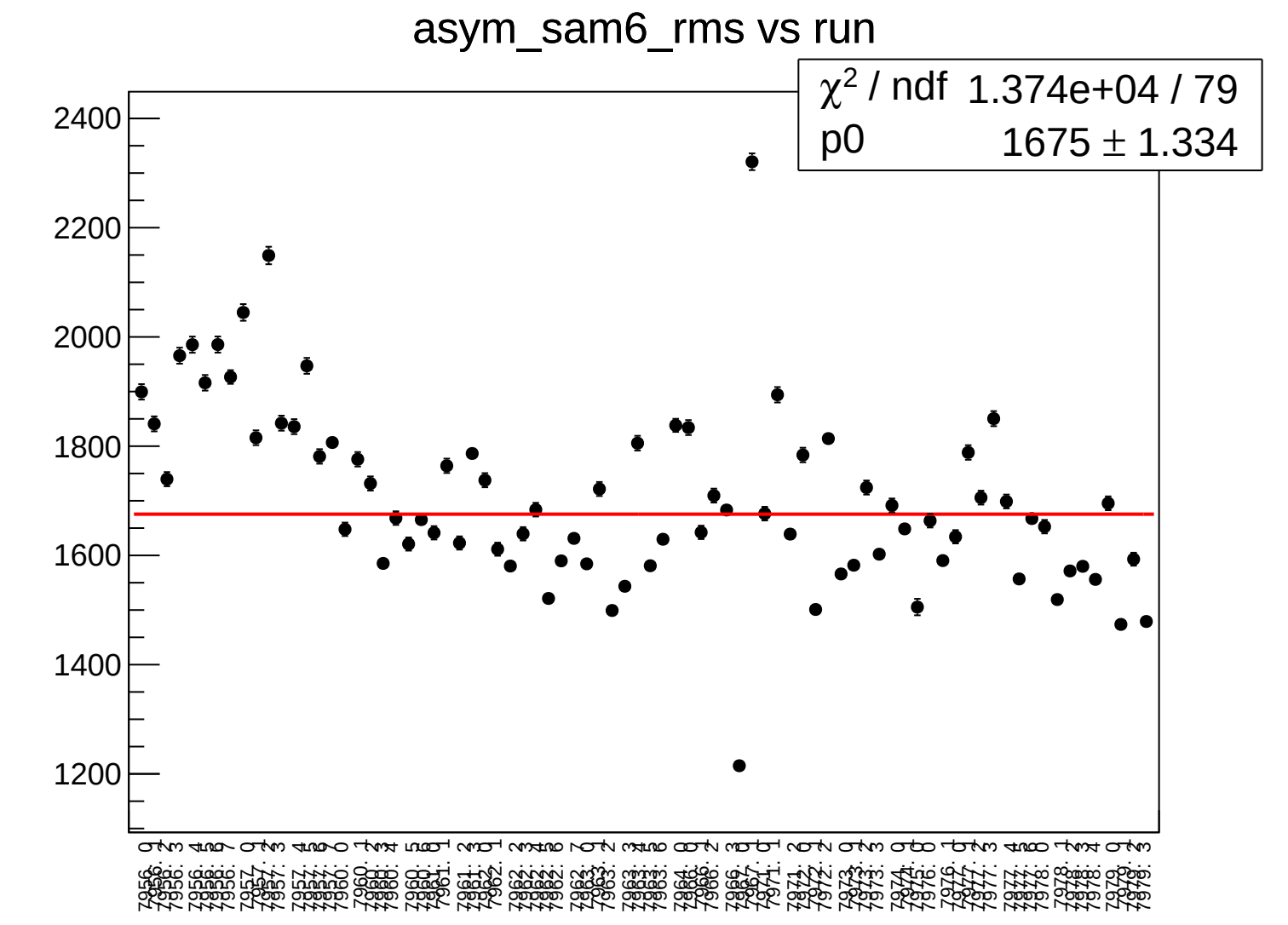

asym_sam6_correction_mean vs run
×10^3
χ² / ndf 114.9 / 79
p0 −2302 ± 1863
pull
Entries 80
Mean −838.8
Std Dev 883.7

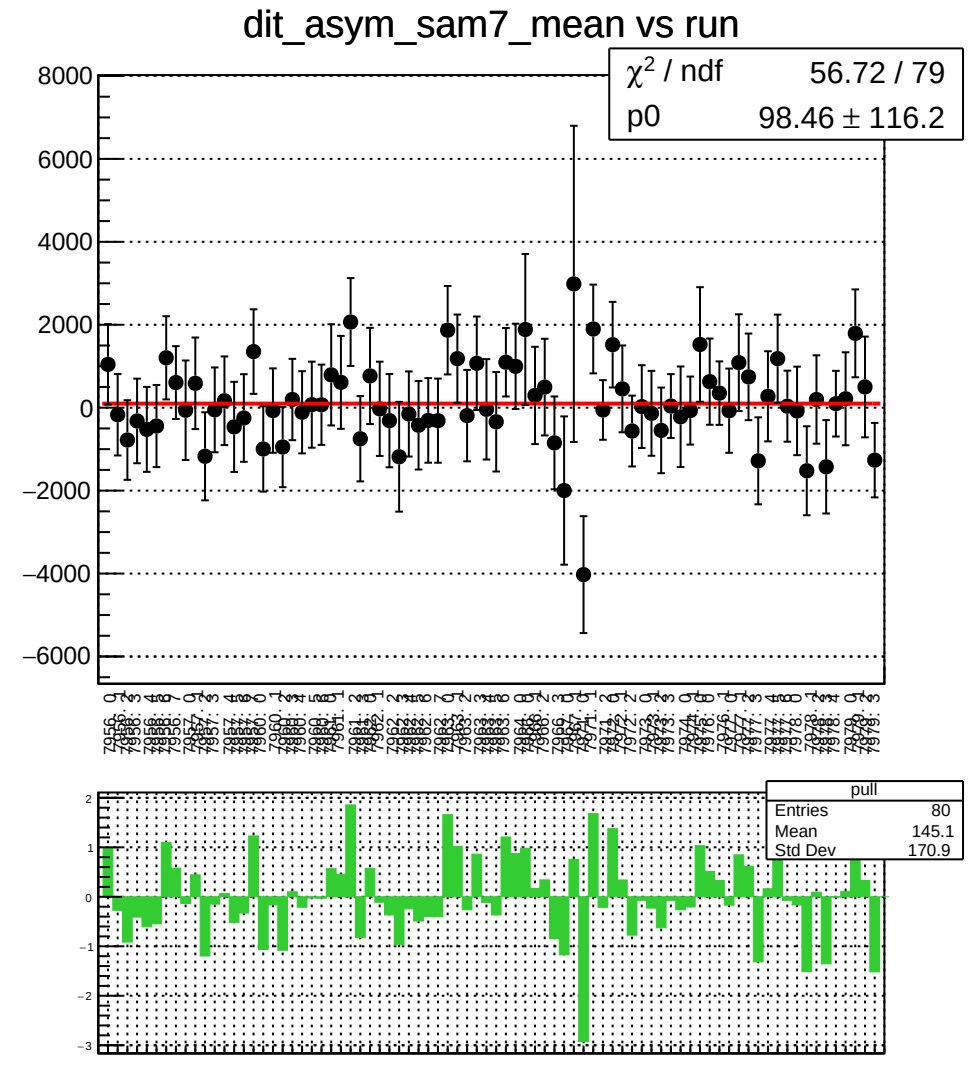

pull1D
Entries 80
Mean 0.005773
Std Dev 1.199

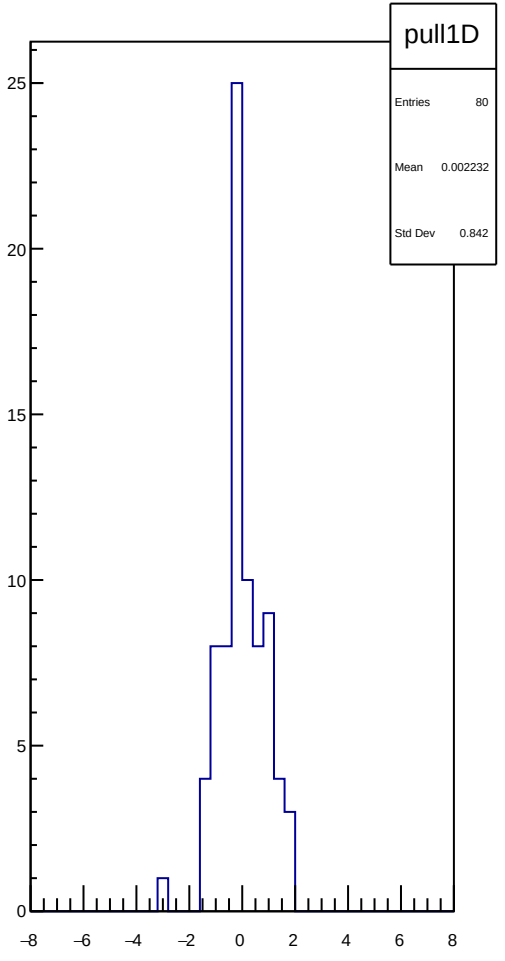

asym_sam6_correction_rms vs run
χ² / ndf 5413 / 79
p0 1659 ± 1.317
1900
1800
1700
1600
1500

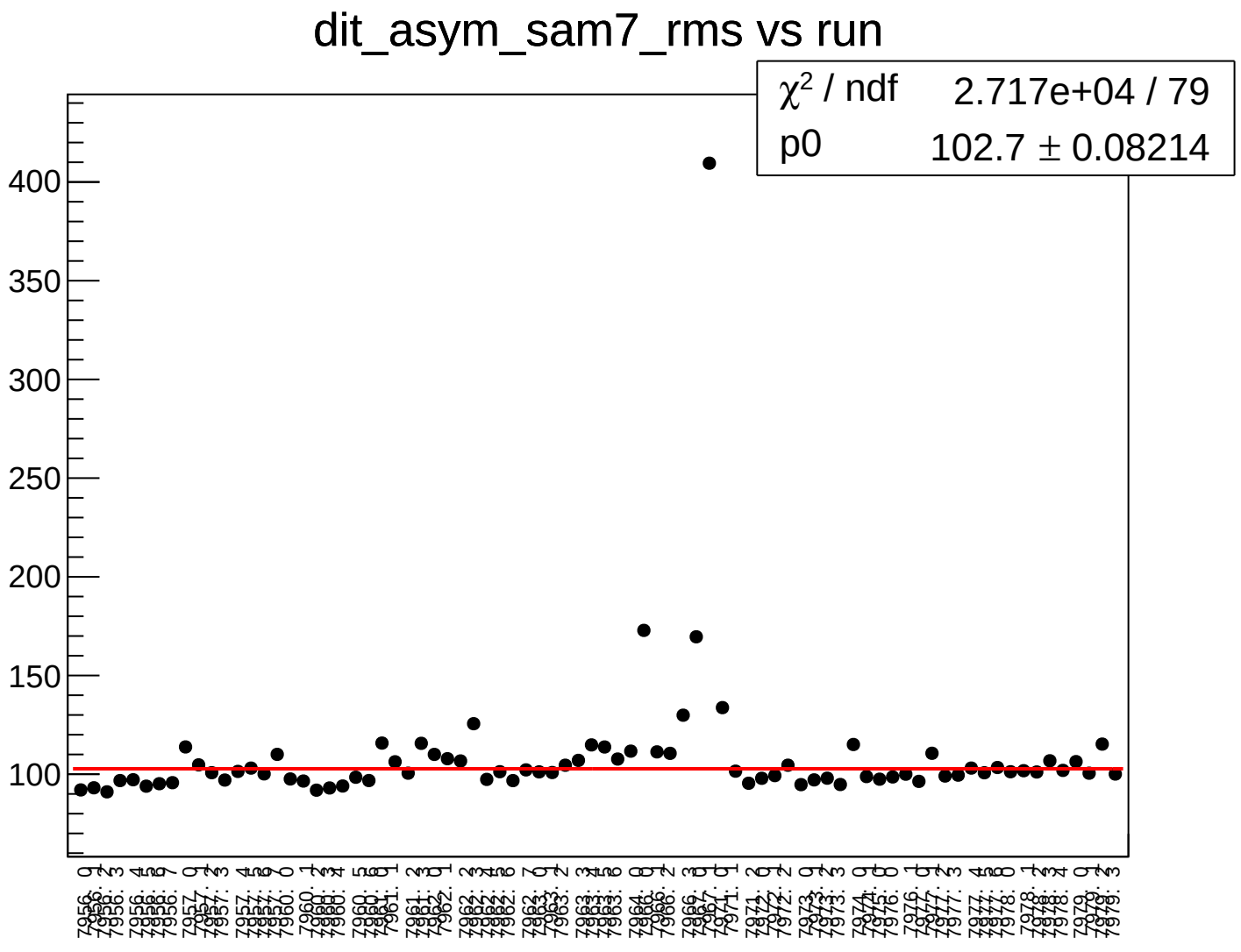

asym_sam6_mean vs run
×10^3
χ² / ndf 115.3 / 79
p0 2288 ± 1886
pull
Entries 80
Mean −439.5
Std Dev 483.7

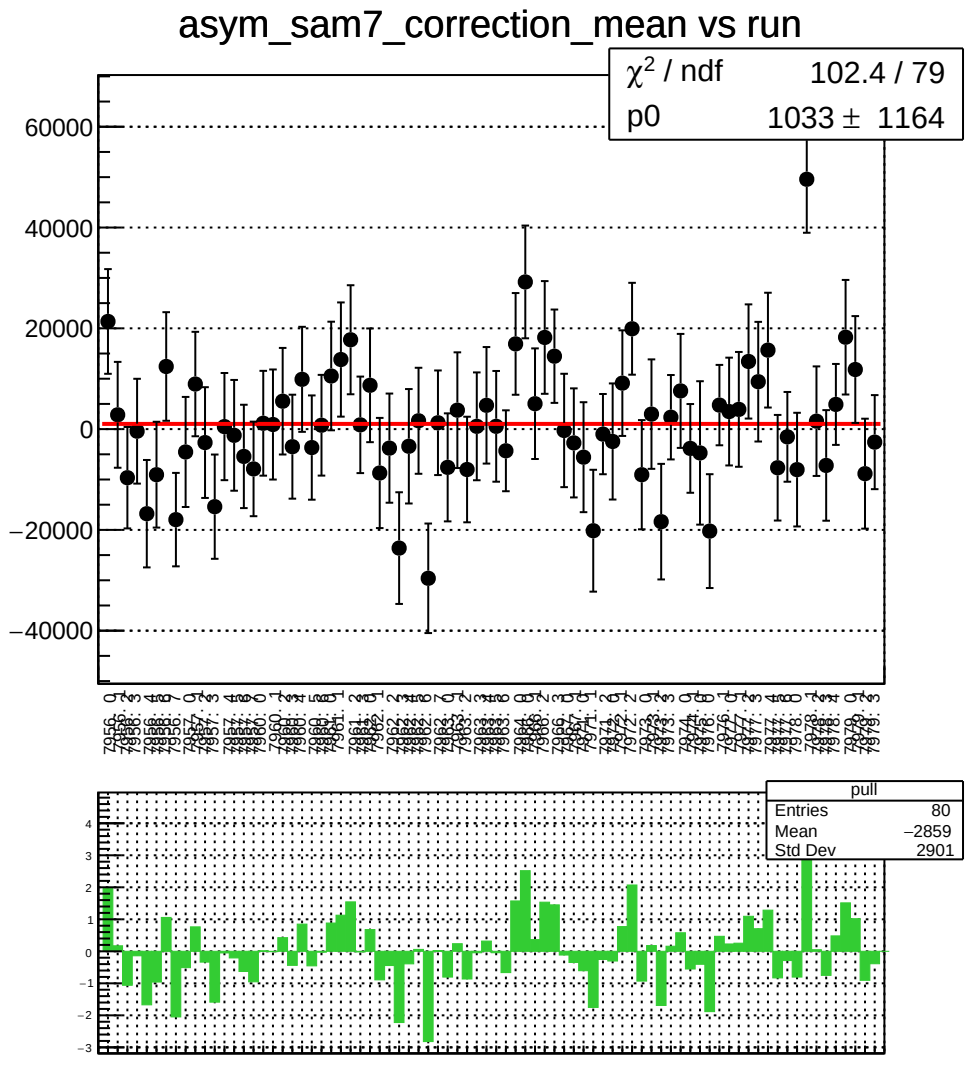

pull1D
Entries 80
Mean −0.01044
Std Dev 1.2


asym_sam6_rms vs run
χ^2 / ndf 1.374e+04 / 79
p0 1675 ± 1.334
2400
2200
2000
1800
1600
1400
1200

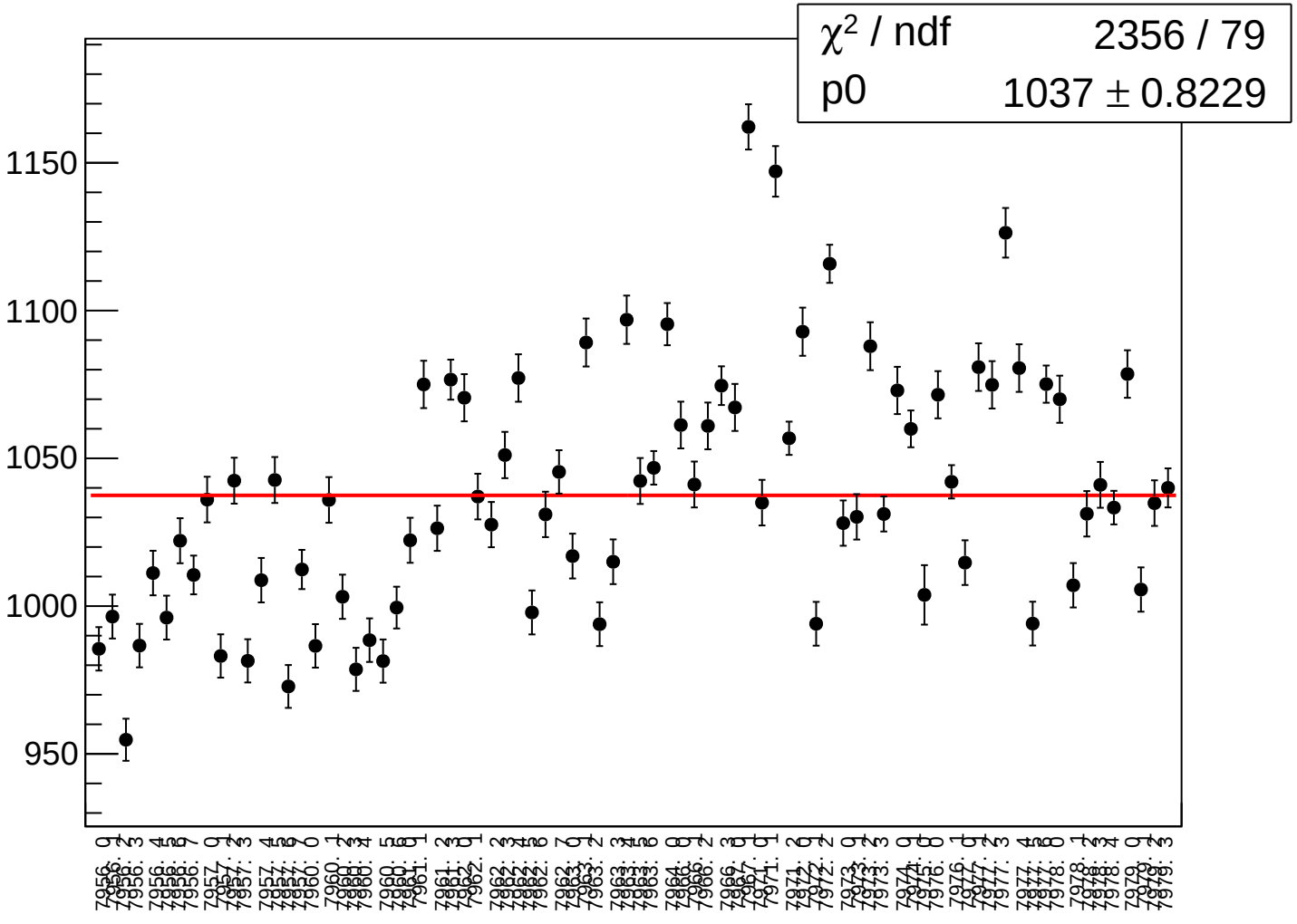

dit_asym_sam7_mean vs run
χ² / ndf 56.72 / 79
p0 98.46 ± 116.2
pull
Entries 80
Mean 145.1
Std Dev 170.9

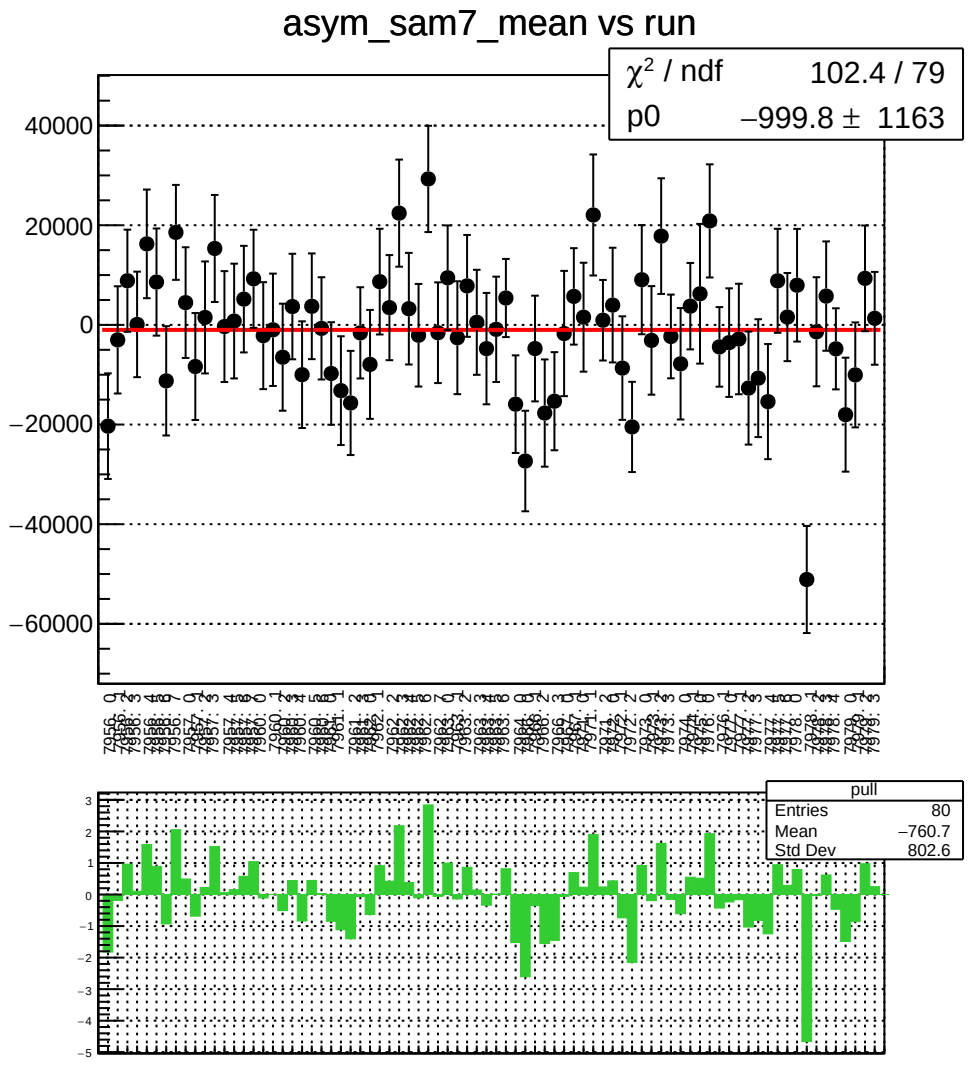

pull1D
Entries 80
Mean 0.002232
Std Dev 0.842

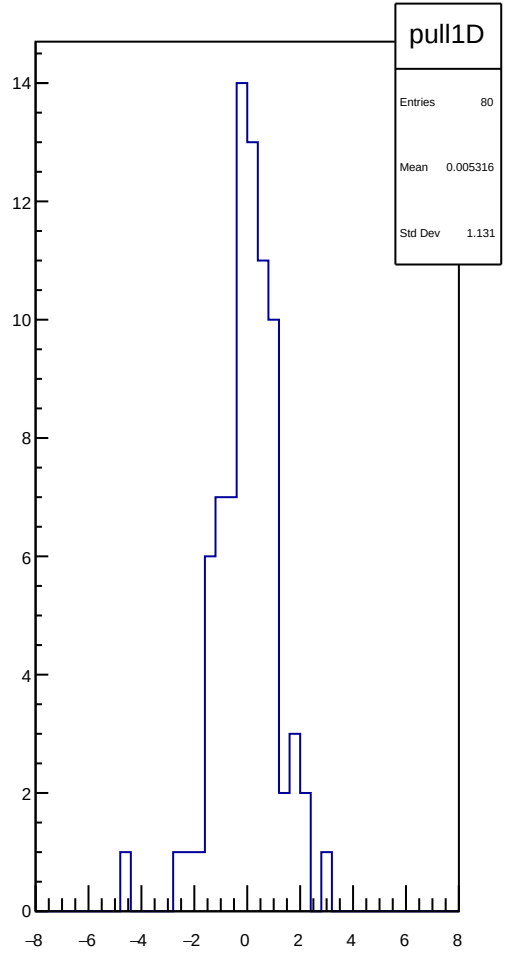

dit_asym_sam7_rms vs run
χ^2 / ndf 2.717e+04 / 79
p0 102.7 ± 0.08214
400
350
300
250
200
150
100

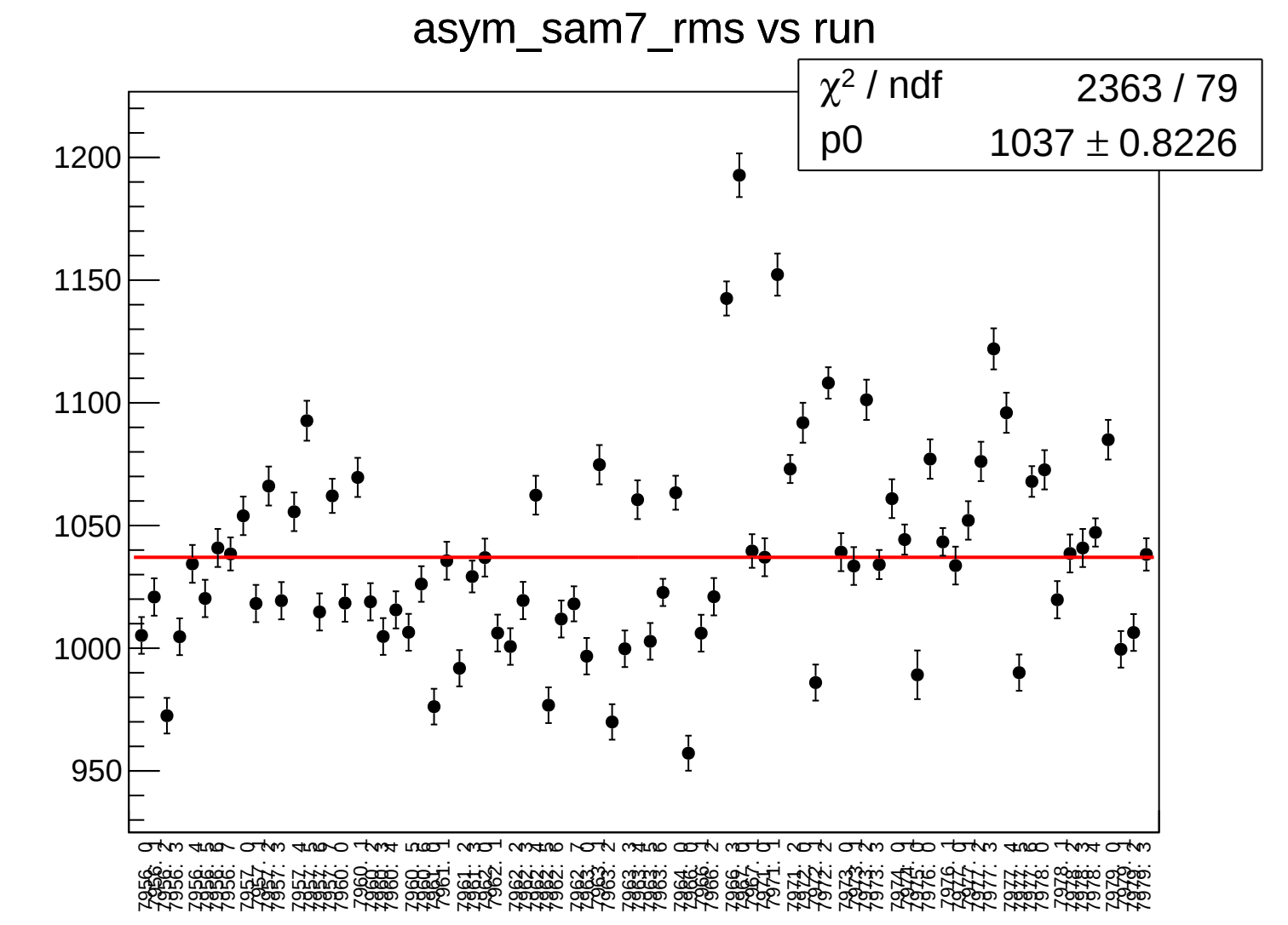

asym_sam7_correction_mean vs run
χ² / ndf 102.4 / 79
p0 1033 ± 1164
pull
Entries 80
Mean −2859
Std Dev 2901
pull1D
Entries 80
Mean −0.001518
Std Dev 1.131

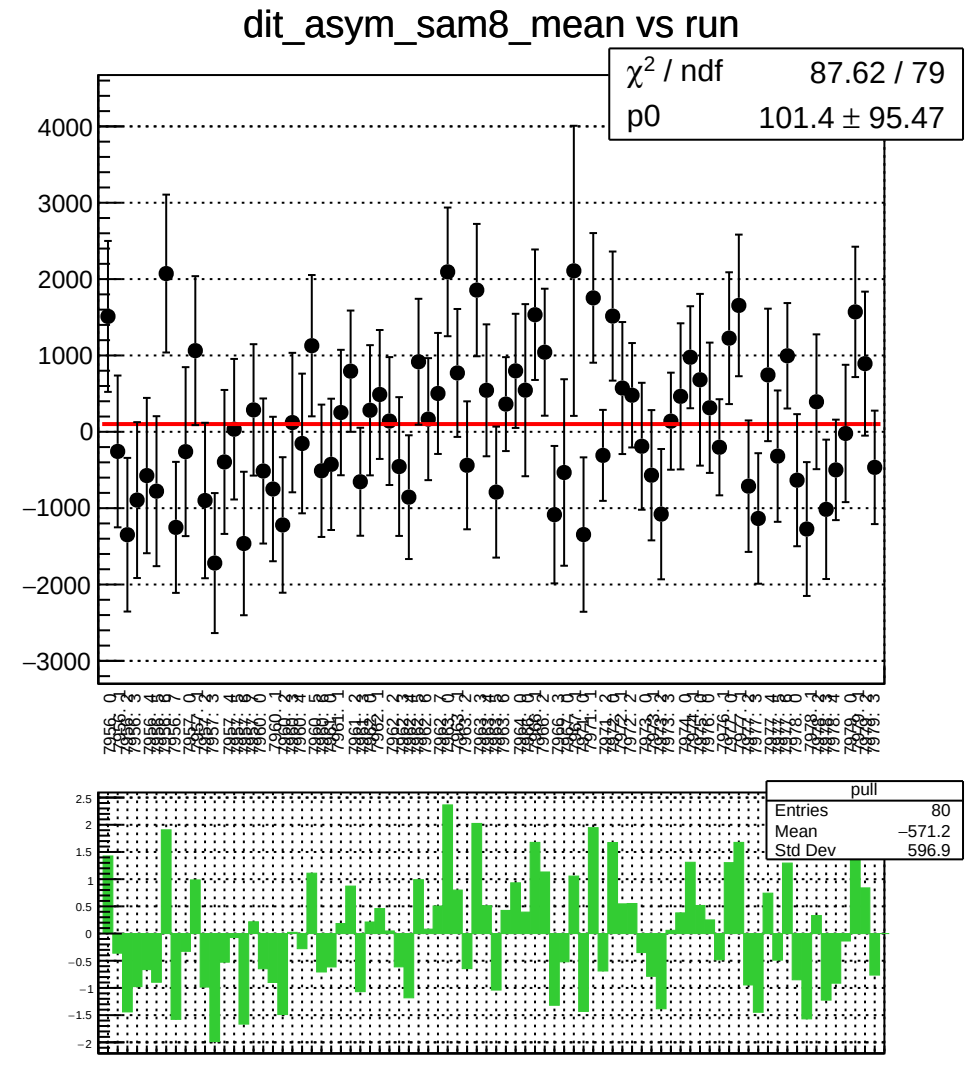
asym_sam7_correction_rms vs run

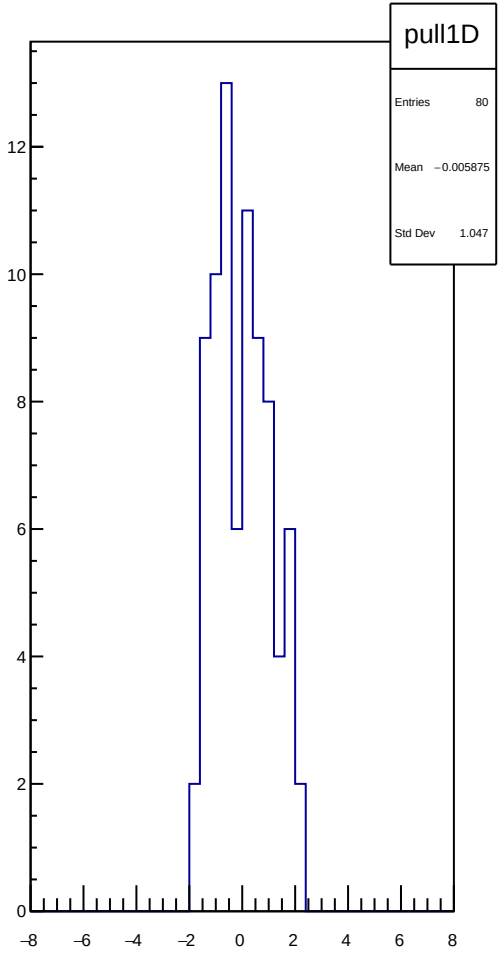


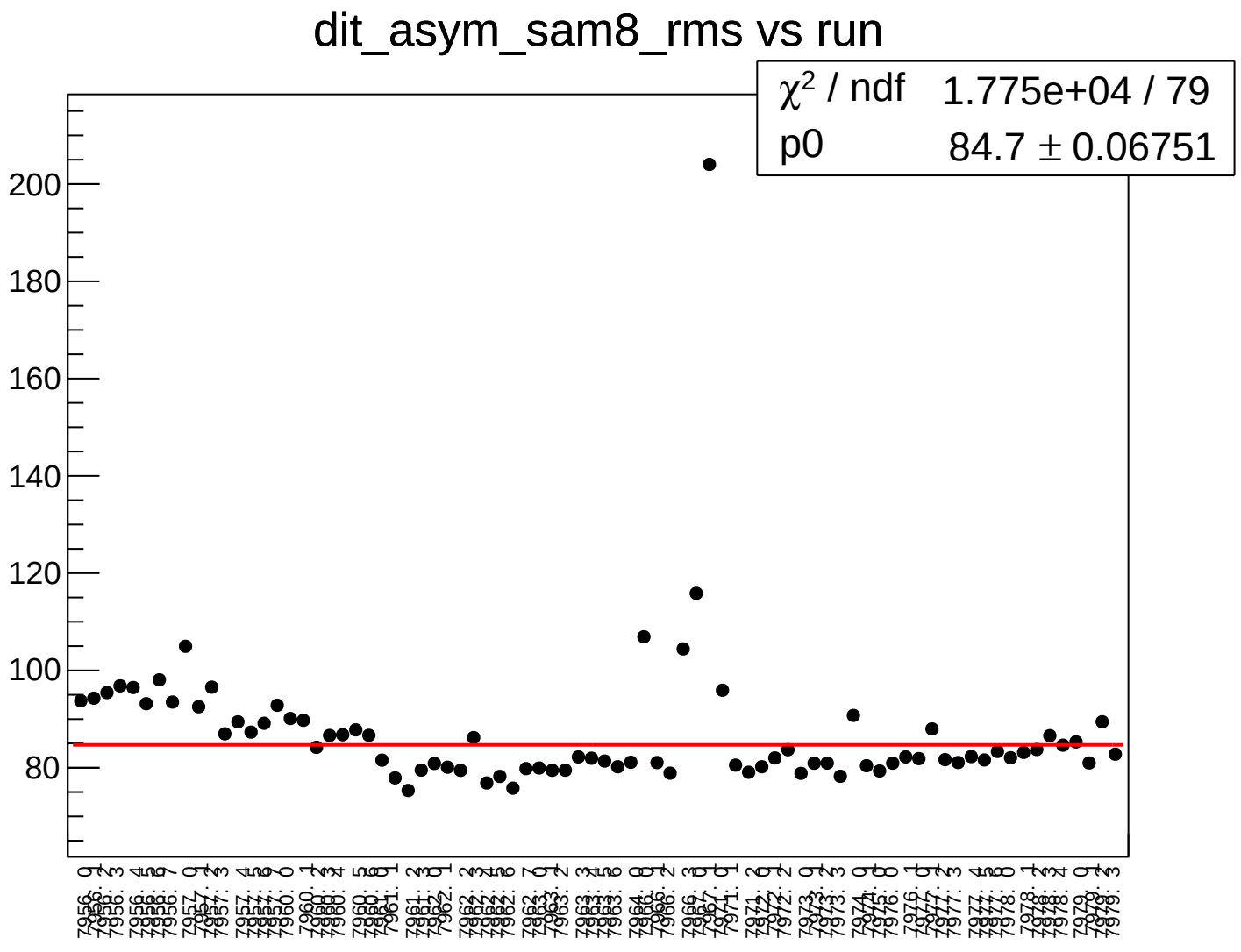

asym_sam7_mean vs run
χ² / ndf 102.4 / 79
p0 −999.8 ± 1163
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −760.7
Std Dev 802.6
3
2
1
0
−1
−2
−3
−4
−5

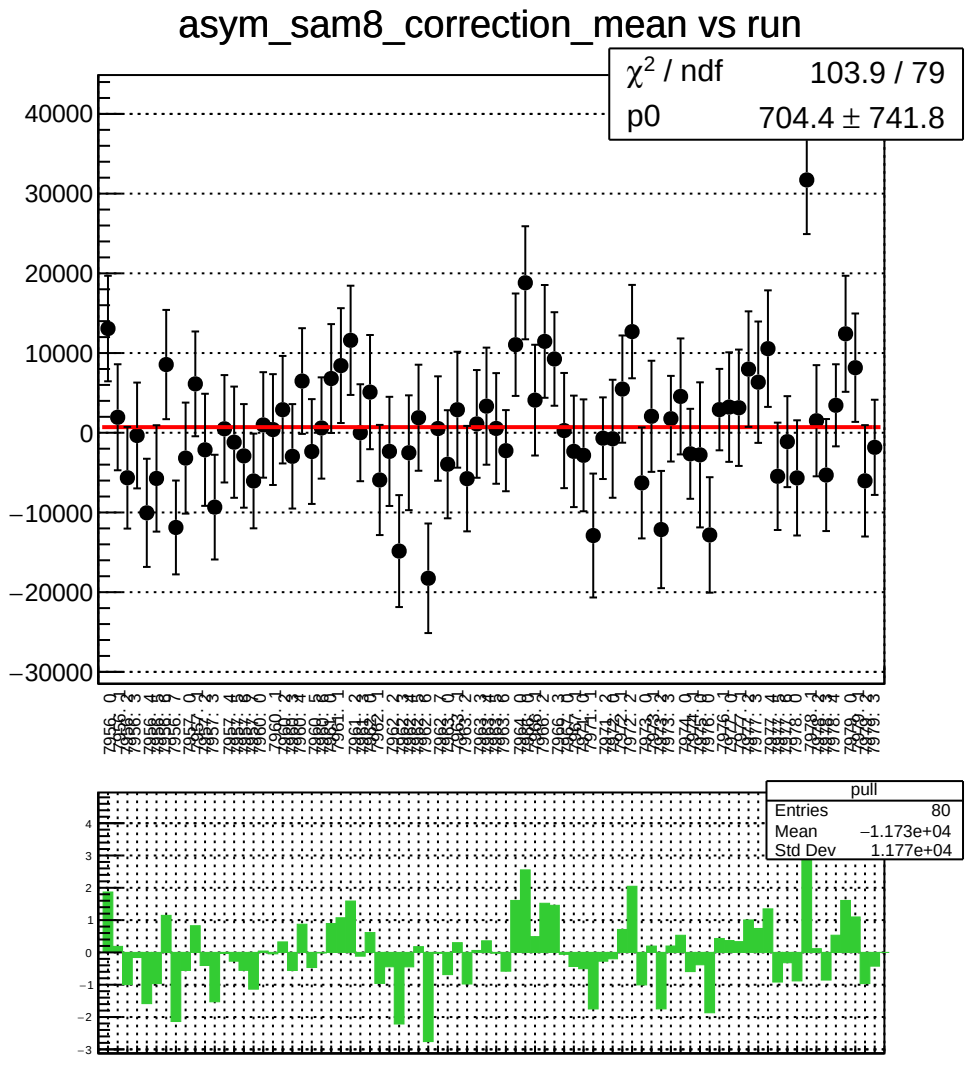

pull1D
Entries 80
Mean 0.005316
Std Dev 1.131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

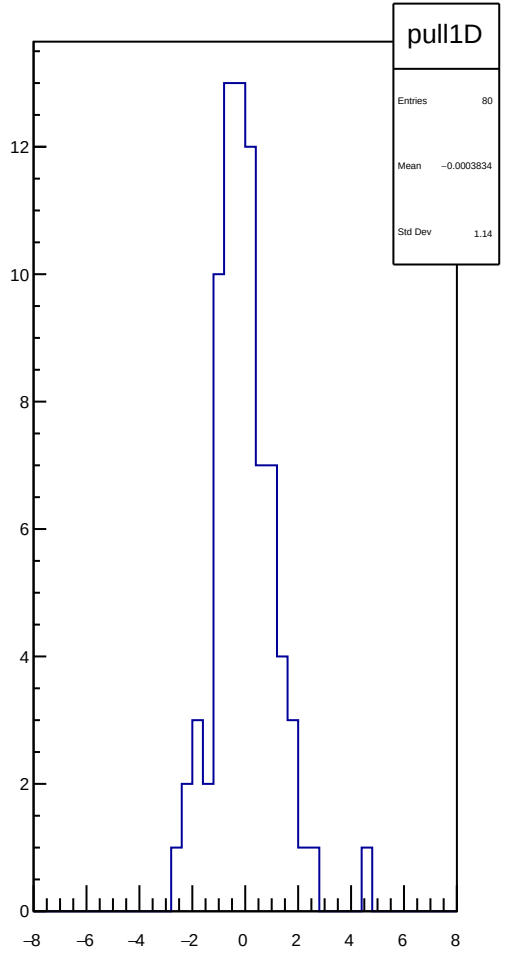

asym_sam7_rms vs run
χ² / ndf 2363 / 79
p0 1037 ± 0.8226
1200
1150
1100
1050
1000
950

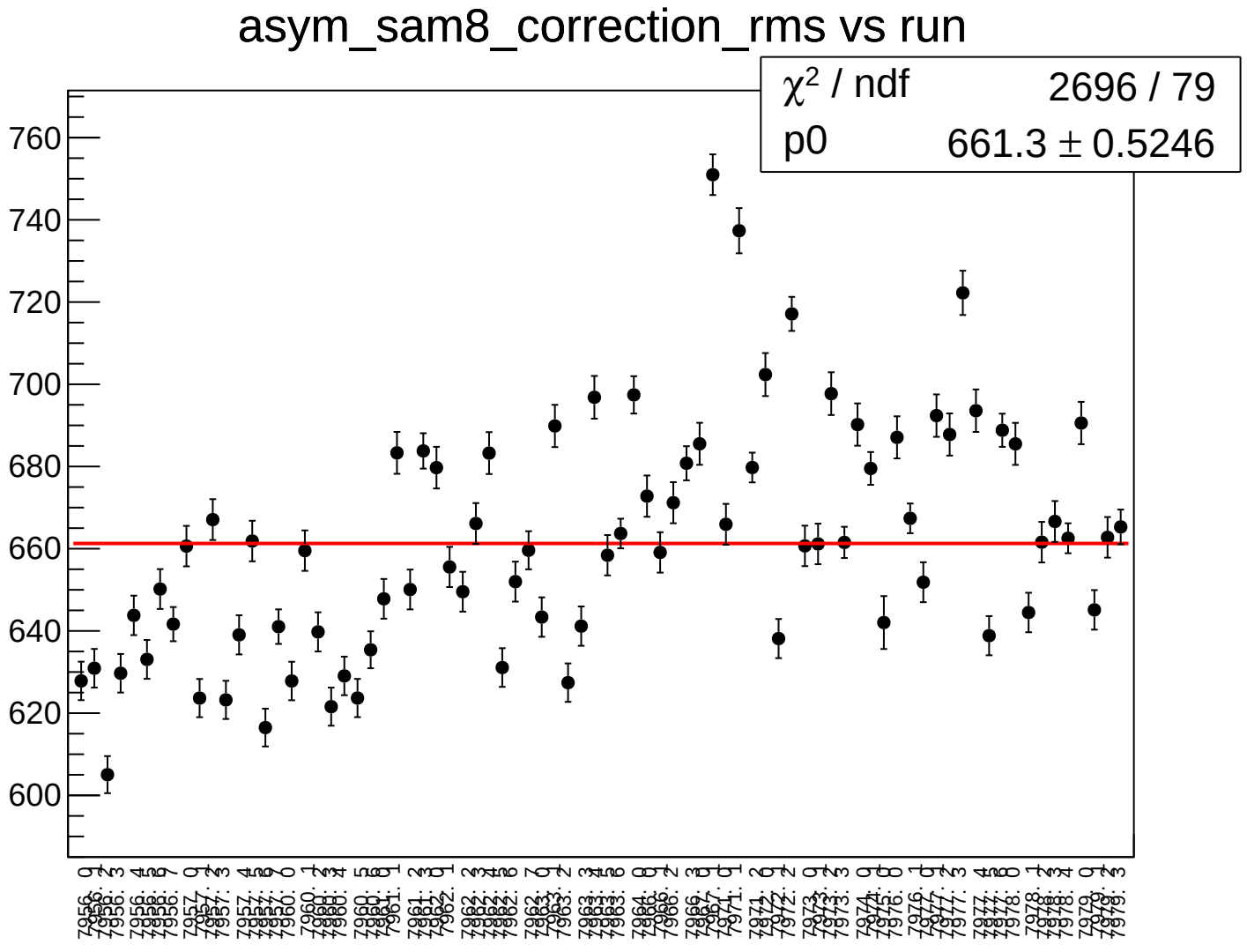

dit_asym_sam8_mean vs run
χ² / ndf 87.62 / 79
p0 101.4 ± 95.47
pull
Entries 80
Mean −571.2
Std Dev 596.9

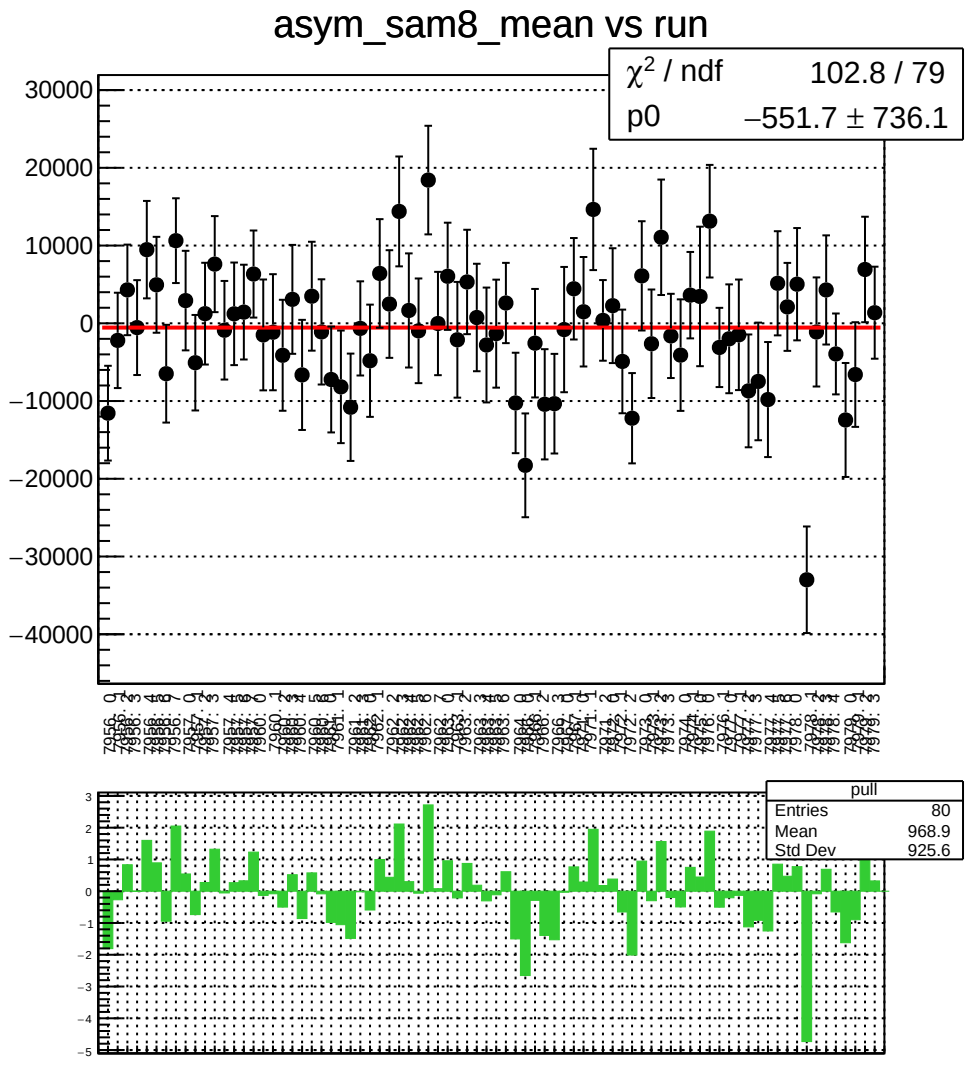

pull1D
Entries 80
Mean −0.005875
Std Dev 1.047

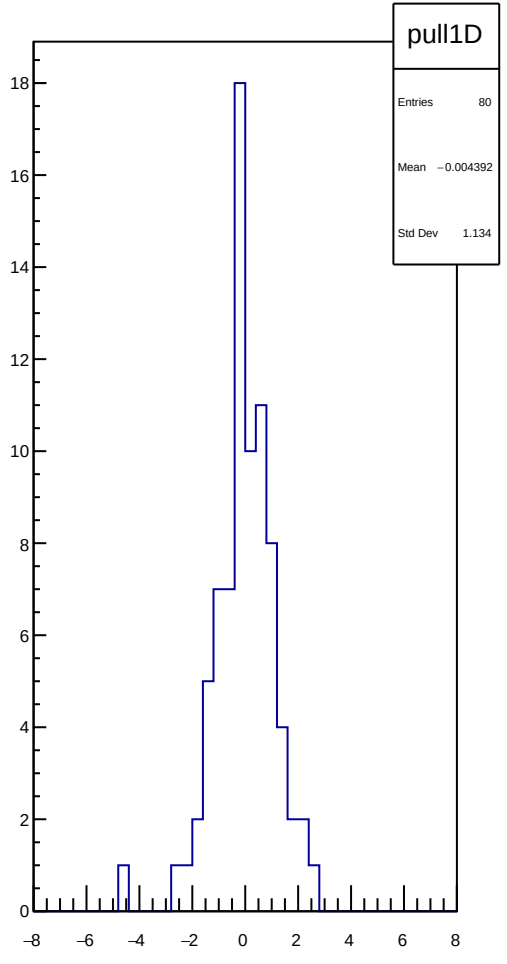

dit_asym_sam8_rms vs run
χ^2 / ndf 1.775e+04 / 79
p0 84.7 ± 0.06751
200
180
160
140
120
100
80

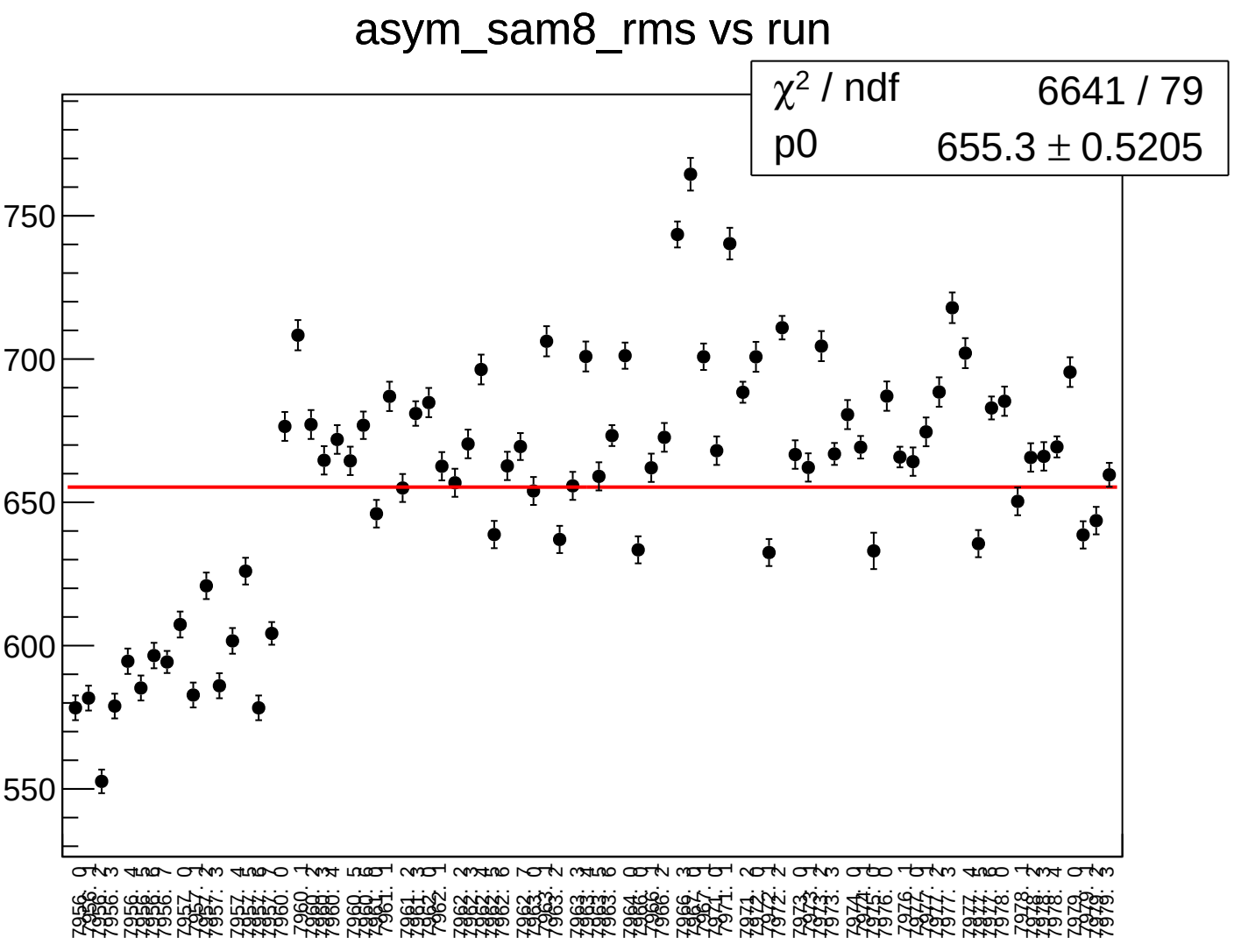

asym_sam8_correction_mean vs run
χ² / ndf 103.9 / 79
p0 704.4 ± 741.8
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −1.173e+04
Std Dev 1.177e+04
4
3
2
1
0
−1
−2
−3

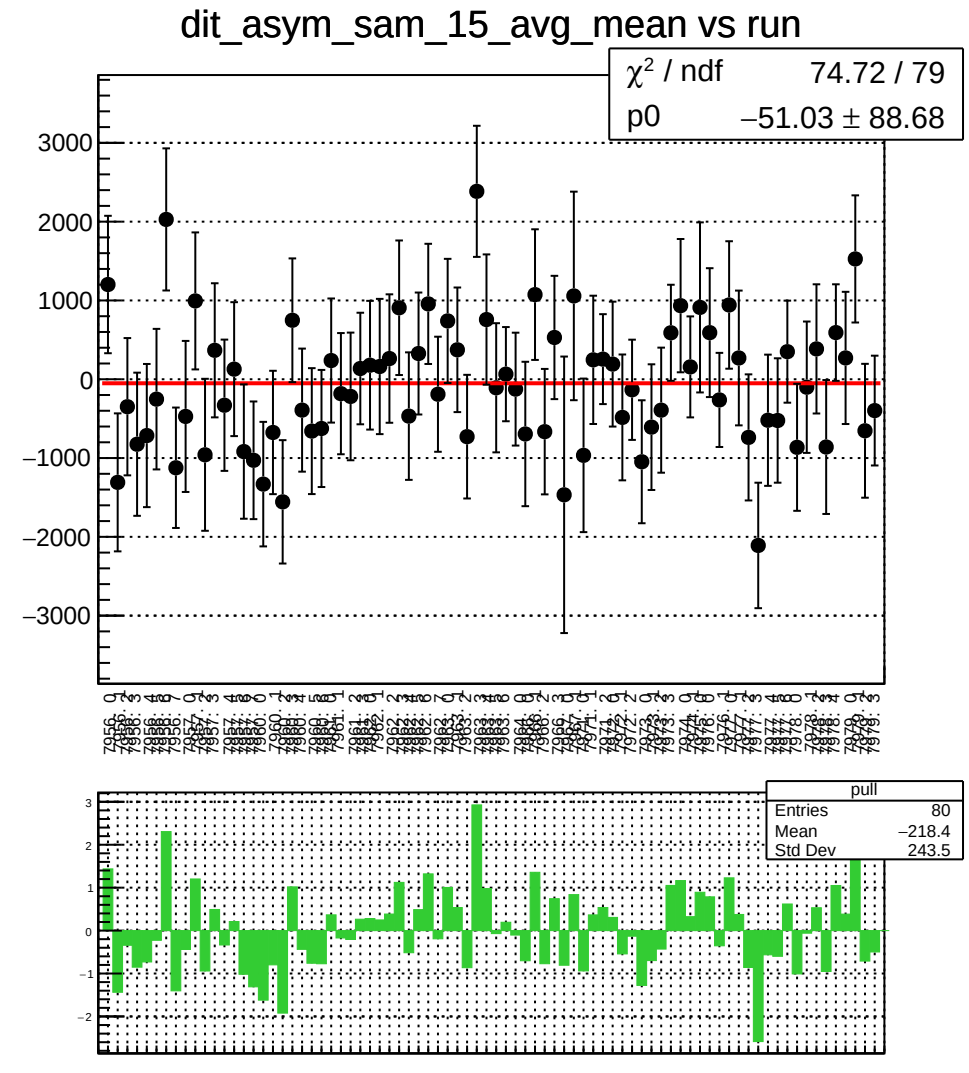

pull1D
Entries 80
Mean −0.0003834
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

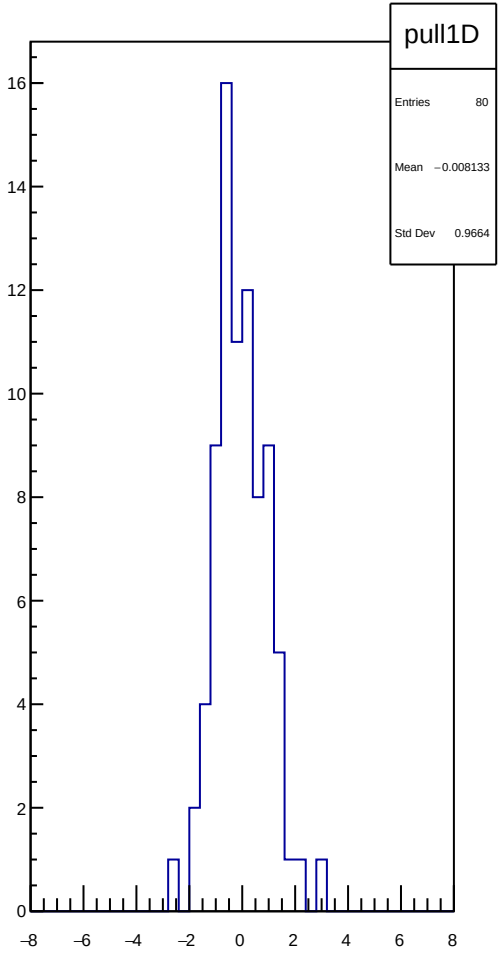

asym_sam8_correction_rms vs run
χ² / ndf 2696 / 79
p0 661.3 ± 0.5246
760
740
720
700
680
660
640
620
600

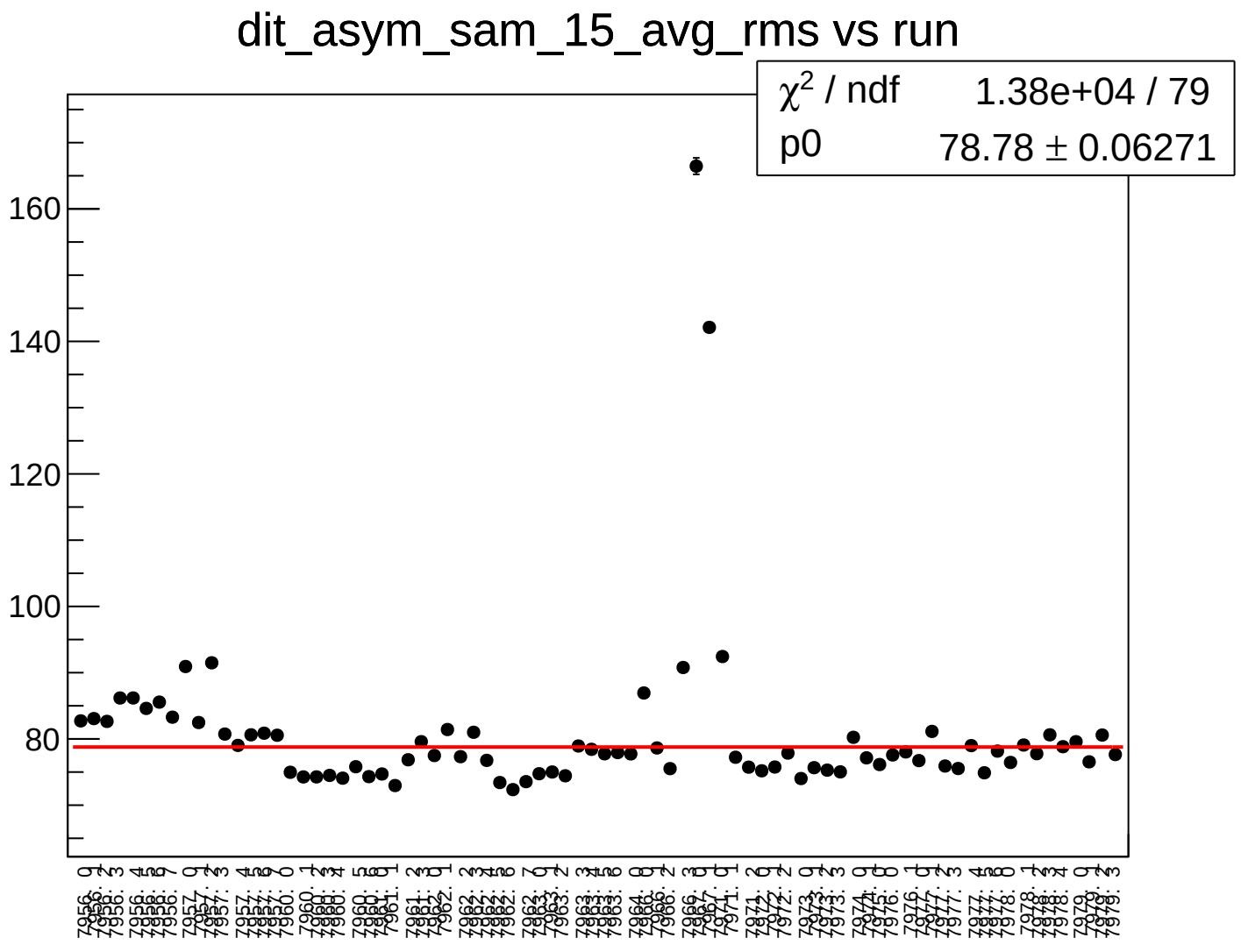

asym_sam8_mean vs run
χ² / ndf 102.8 / 79
p0 −551.7 ± 736.1
pull
Entries 80
Mean 968.9
Std Dev 925.6

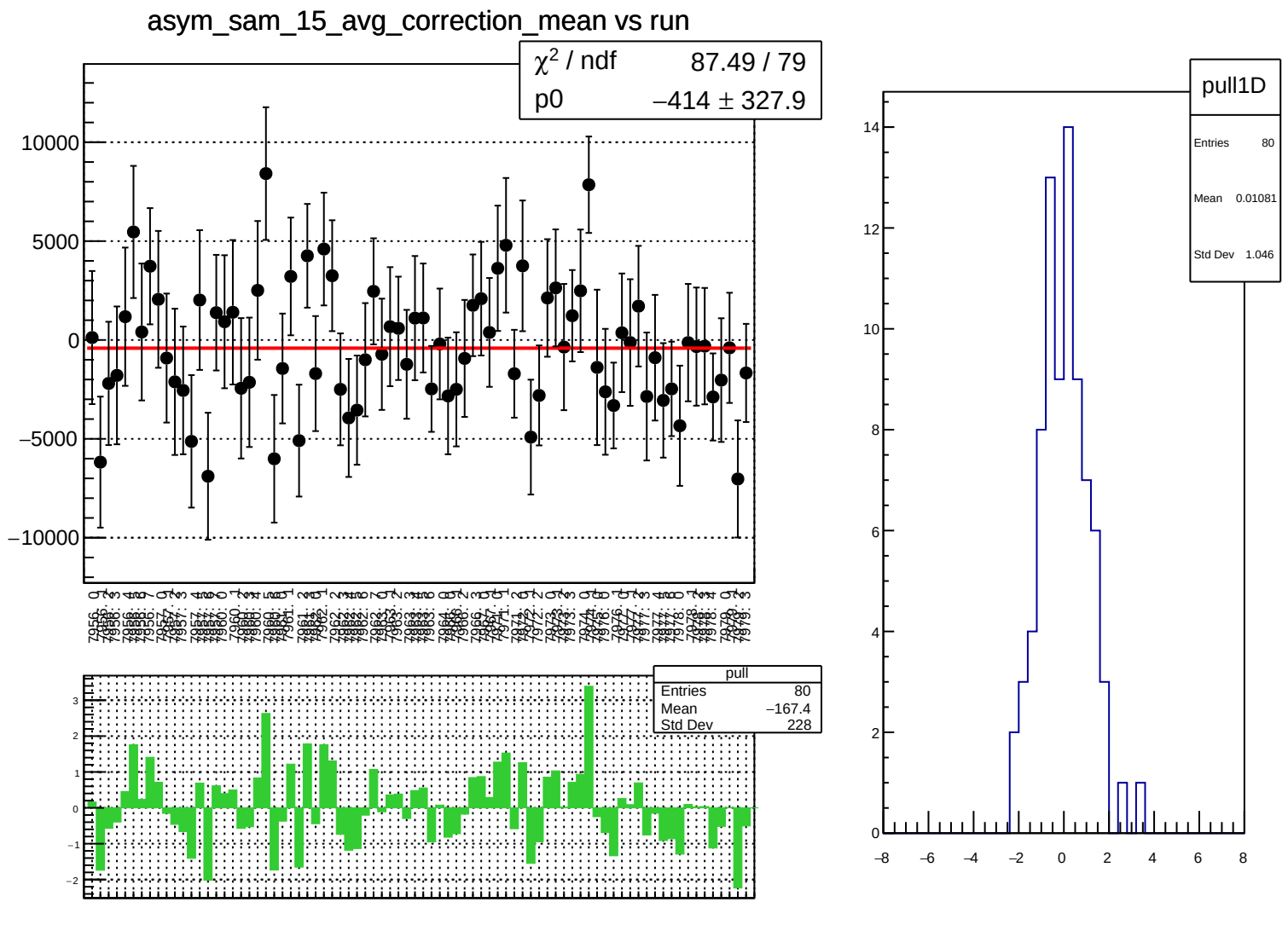

pull1D
Entries 80
Mean −0.004392
Std Dev 1.134

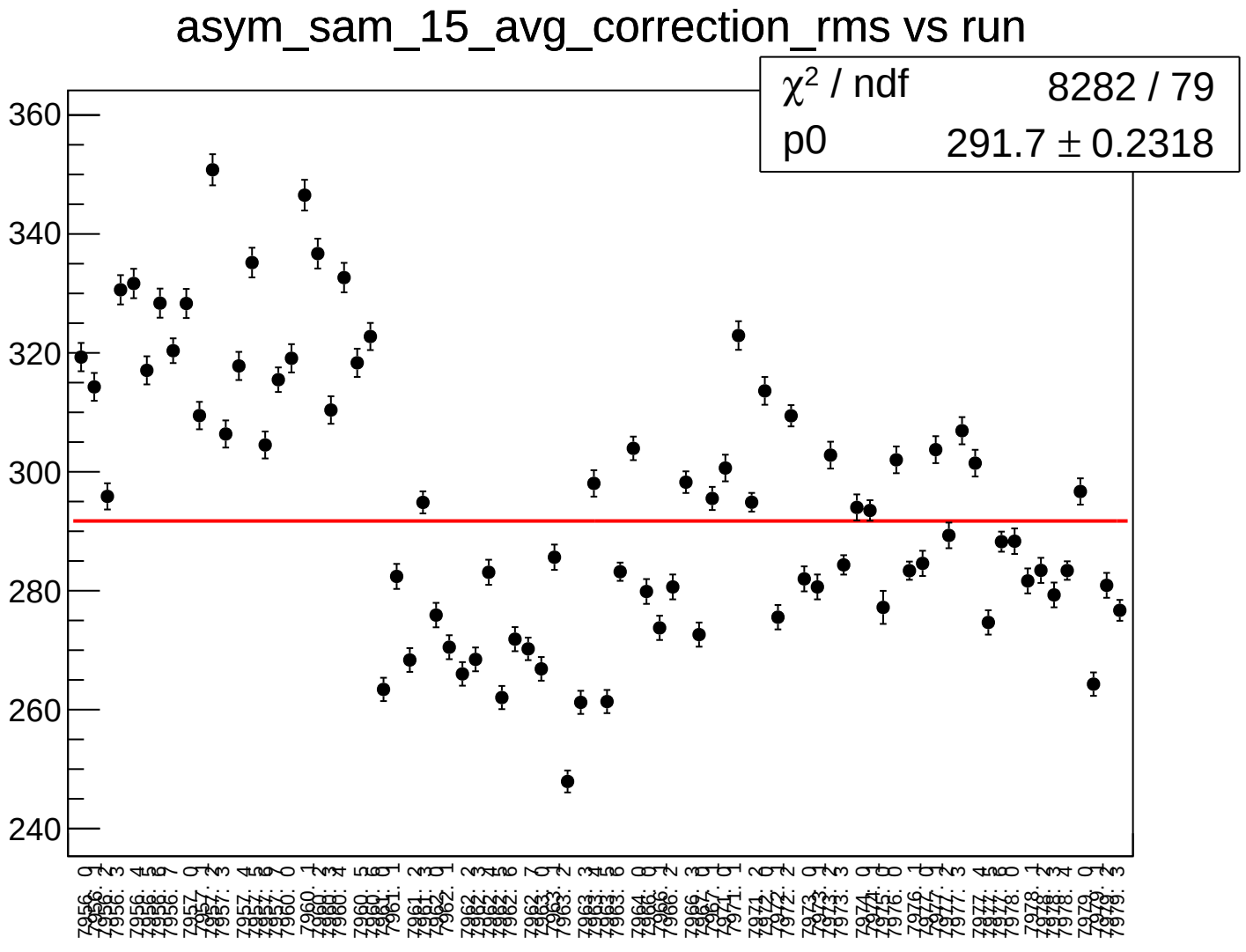

asym_sam8_rms vs run
χ^2 / ndf 6641 / 79
p0 655.3 ± 0.5205
750
700
650
600
550

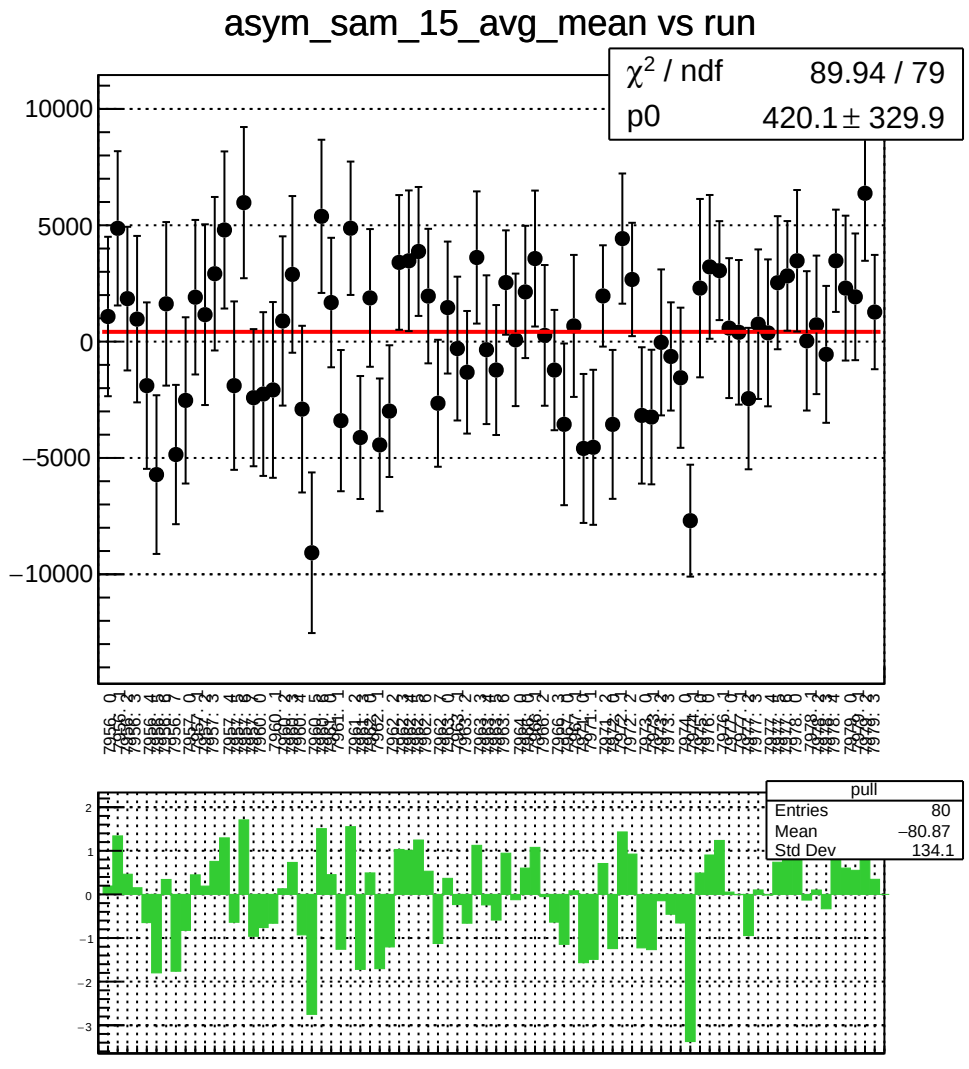

dit_asym_sam_15_avg_mean vs run
χ² / ndf 74.72 / 79
p0 −51.03 ± 88.68
pull
Entries 80
Mean −218.4
Std Dev 243.5

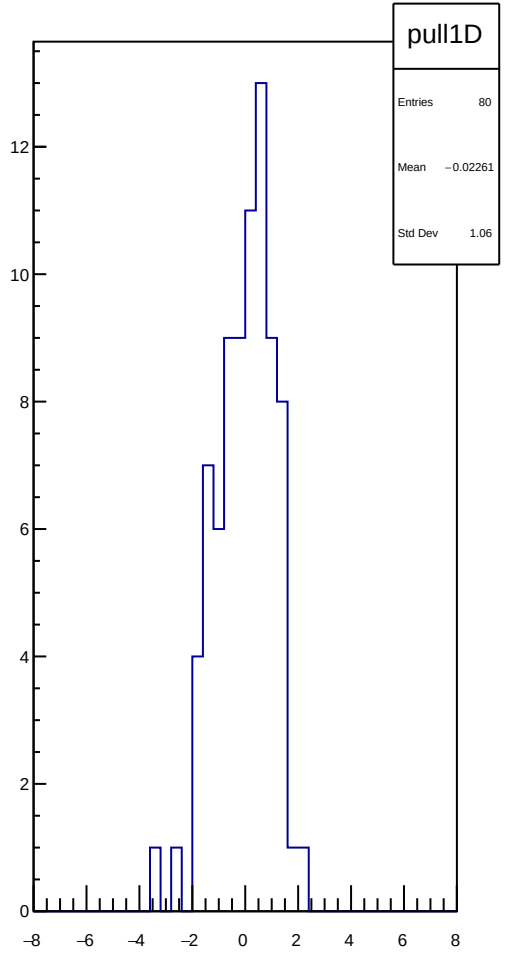

pull1D
Entries 80
Mean −0.008133
Std Dev 0.9664

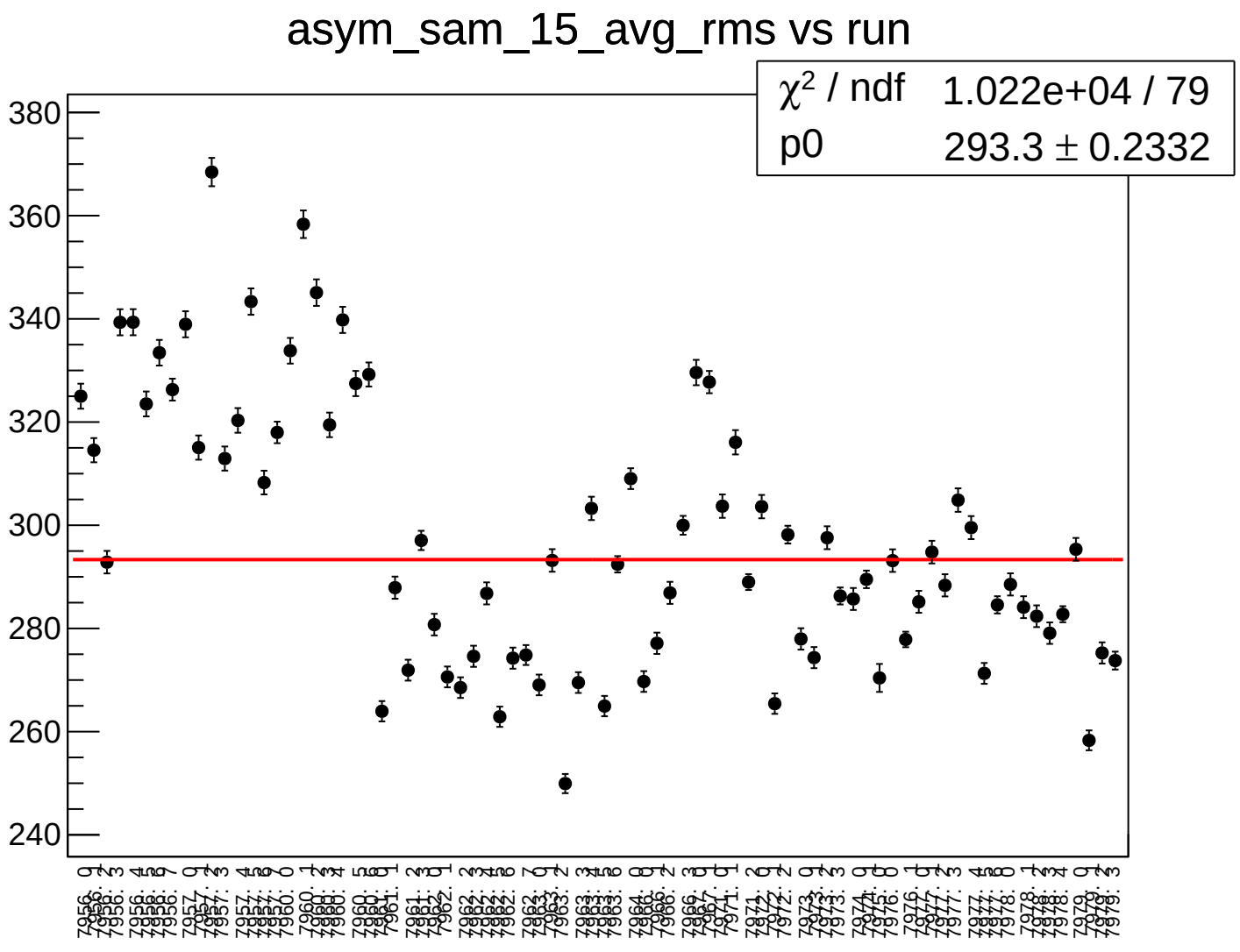

dit_asym_sam_15_avg_rms vs run
χ² / ndf 1.38e+04 / 79
p0 78.78 ± 0.06271
160
140
120
100
80

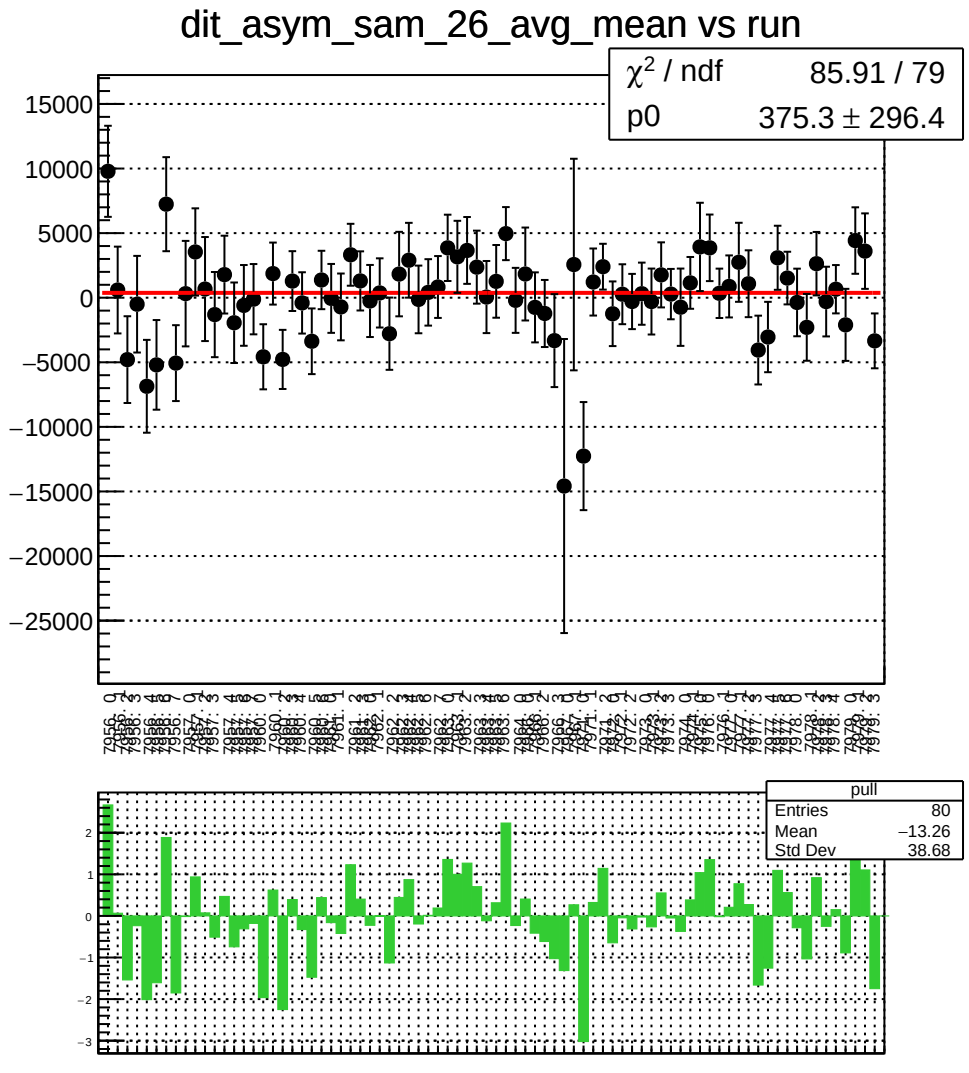

asym_sam_15_avg_correction_mean vs run
χ² / ndf 87.49 / 79
p0 −414 ± 327.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −167.4
Std Dev 228
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01081
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

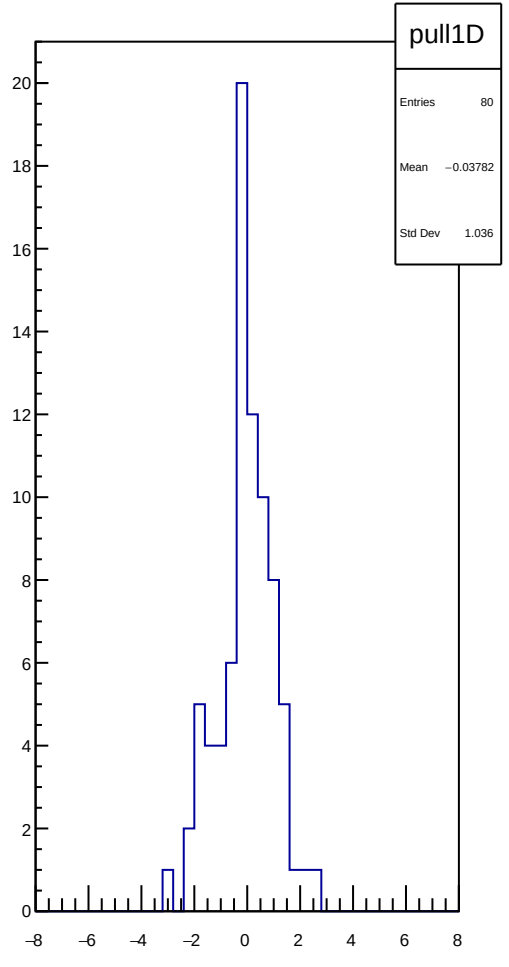

asym_sam_15_avg_correction_rms vs run
χ² / ndf 8282 / 79
p0 291.7 ± 0.2318
360
340
320
300
280
260
240

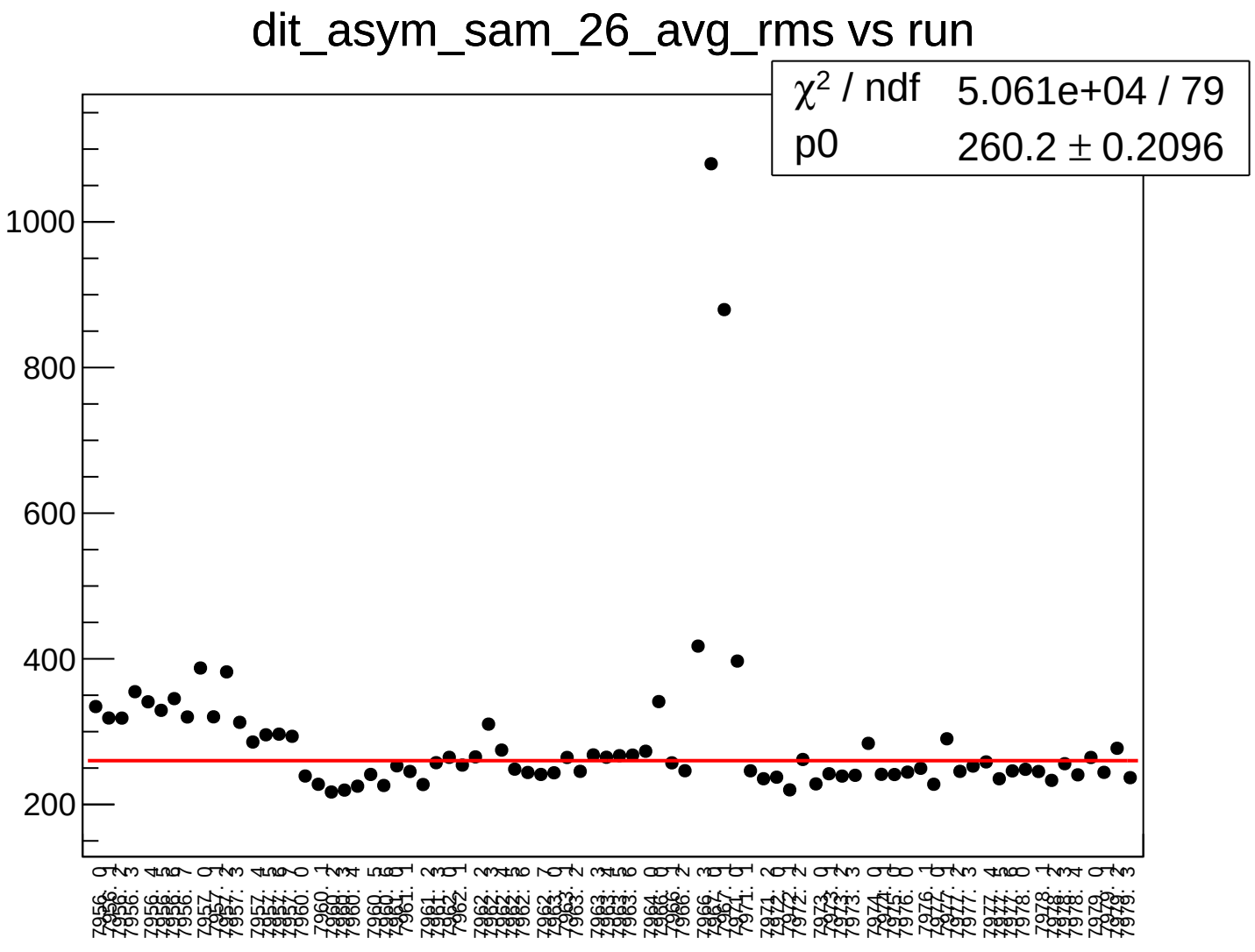

asym_sam_15_avg_mean vs run
χ² / ndf 89.94 / 79
p0 420.1 ± 329.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −80.87
Std Dev 134.1
2
1
0
−1
−2
−3

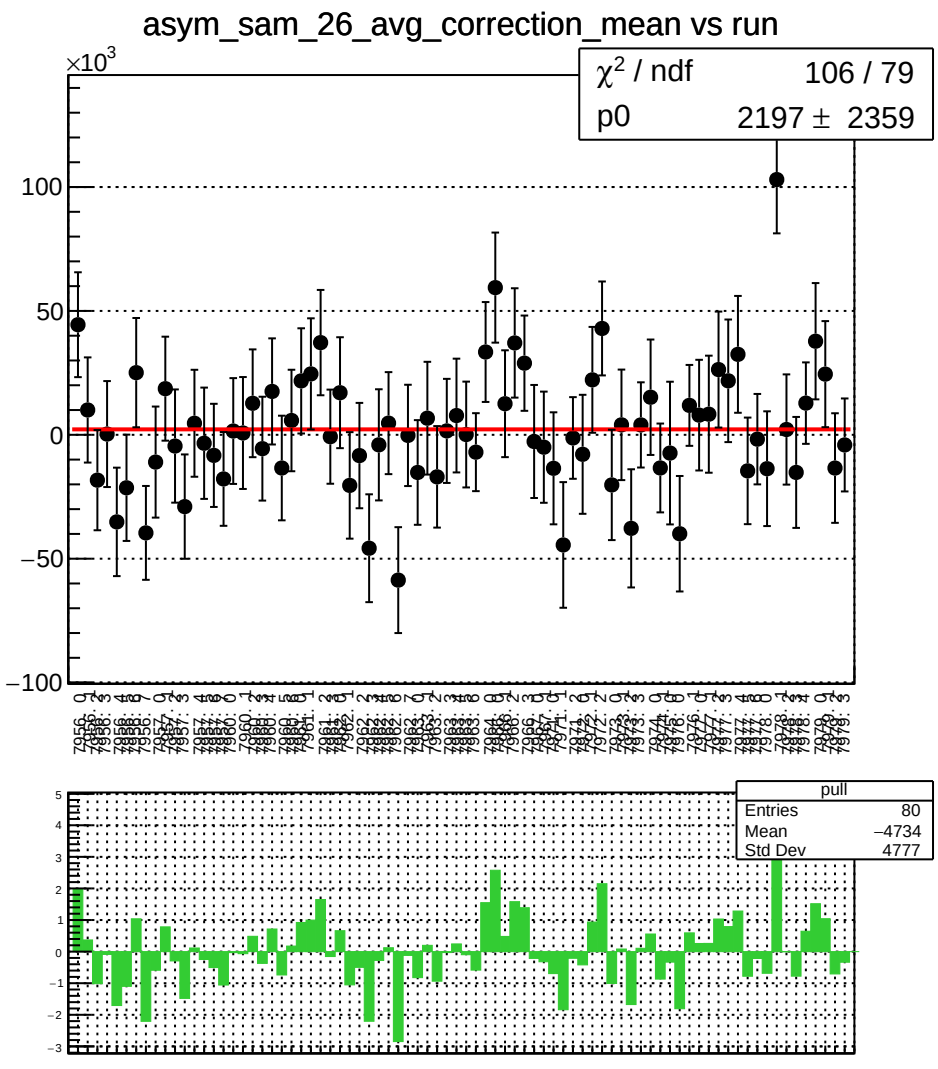

pull1D
Entries 80
Mean −0.02261
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

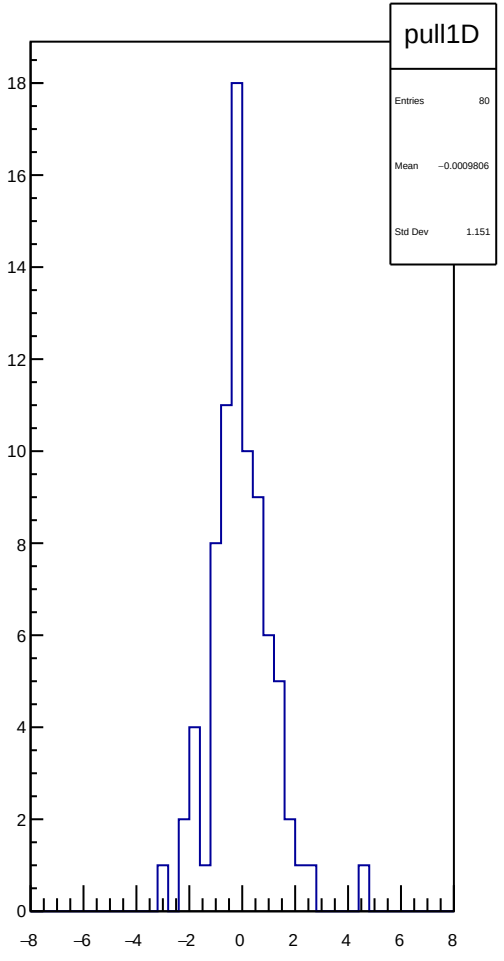

asym_sam_15_avg_rms vs run
χ² / ndf 1.022e+04 / 79
p0 293.3 ± 0.2332
380
360
340
320
300
280
260
240

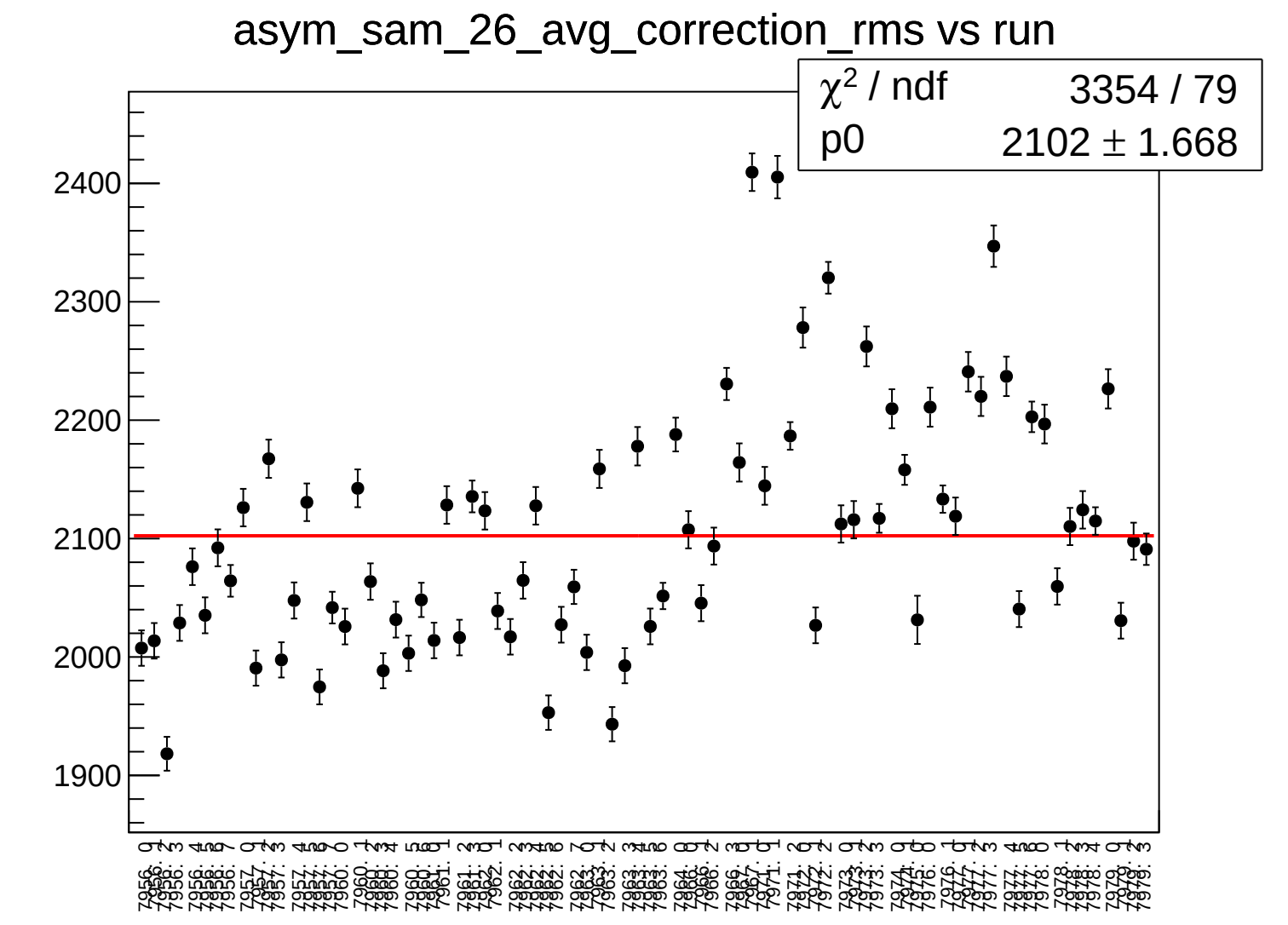

dit_asym_sam_26_avg_mean vs run
χ² / ndf 85.91 / 79
p0 375.3 ± 296.4
pull
Entries 80
Mean −13.26
Std Dev 38.68

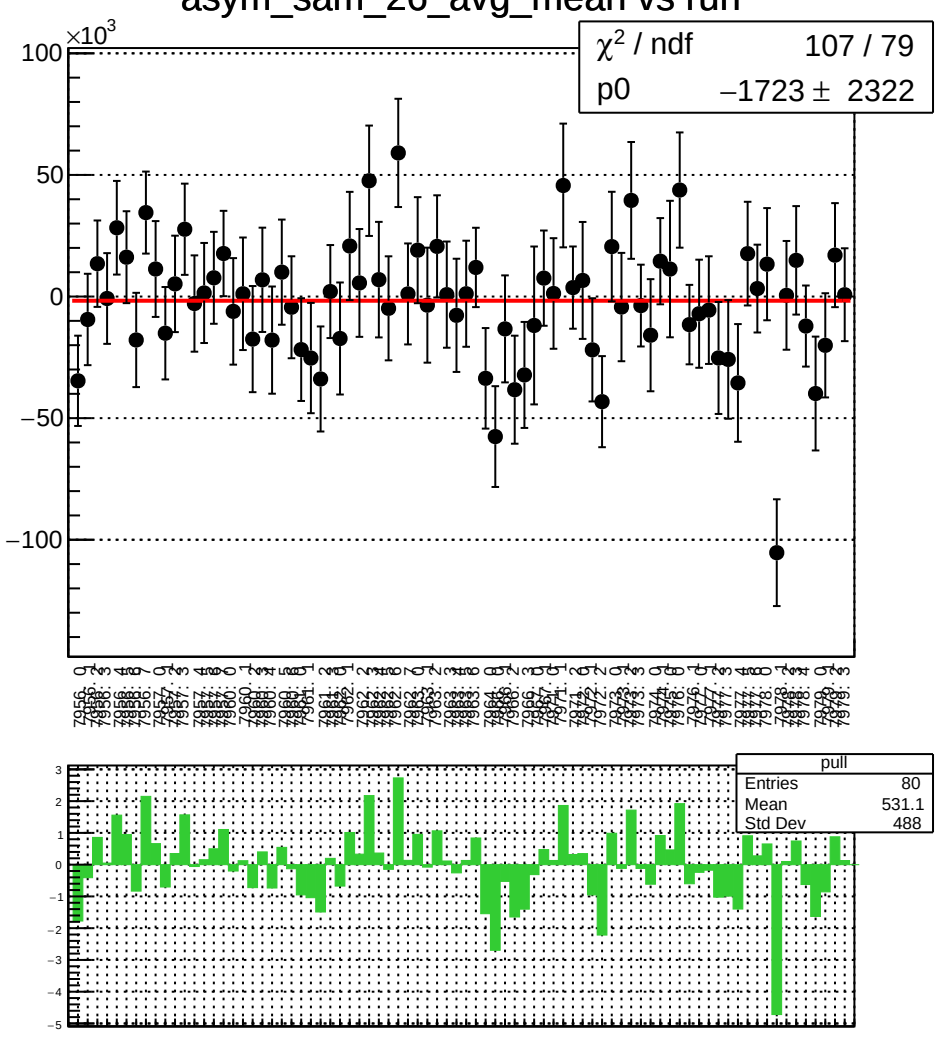

pull1D
Entries 80
Mean −0.03782
Std Dev 1.036

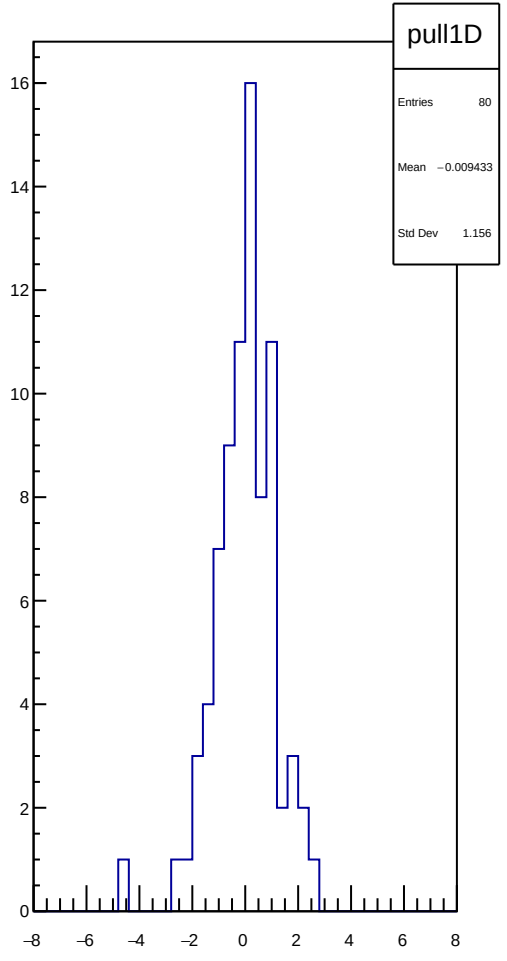

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 5.061e+04 / 79
p0 260.2 ± 0.2096
1000
800
600
400
200

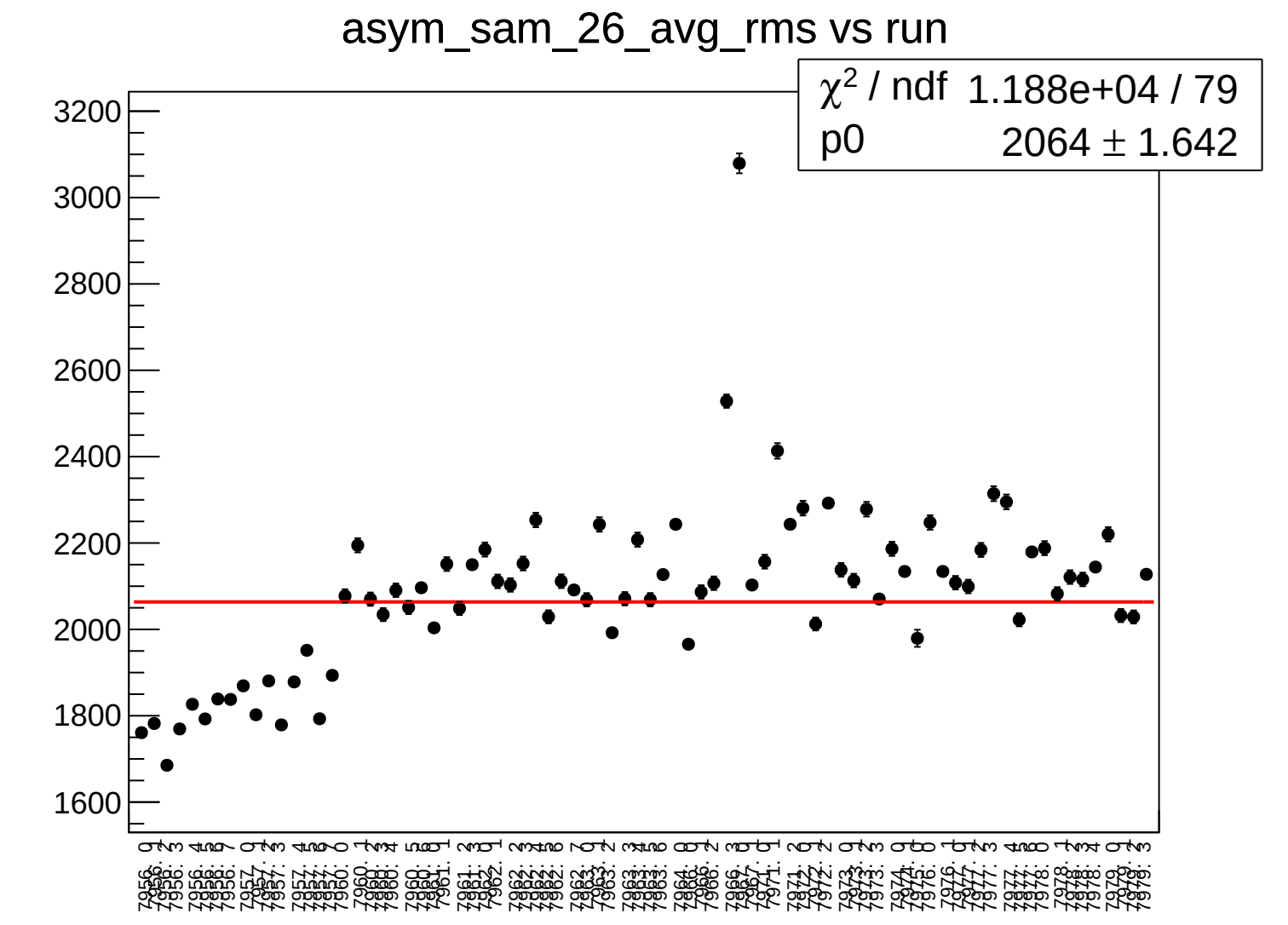

asym_sam_26_avg_correction_mean vs run
×10^3
χ² / ndf 106 / 79
p0 2197 ± 2359
100
50
0
−50
−100
pull
Entries 80
Mean −4734
Std Dev 4777
5
4
3
2
1
0
−1
−2
−3

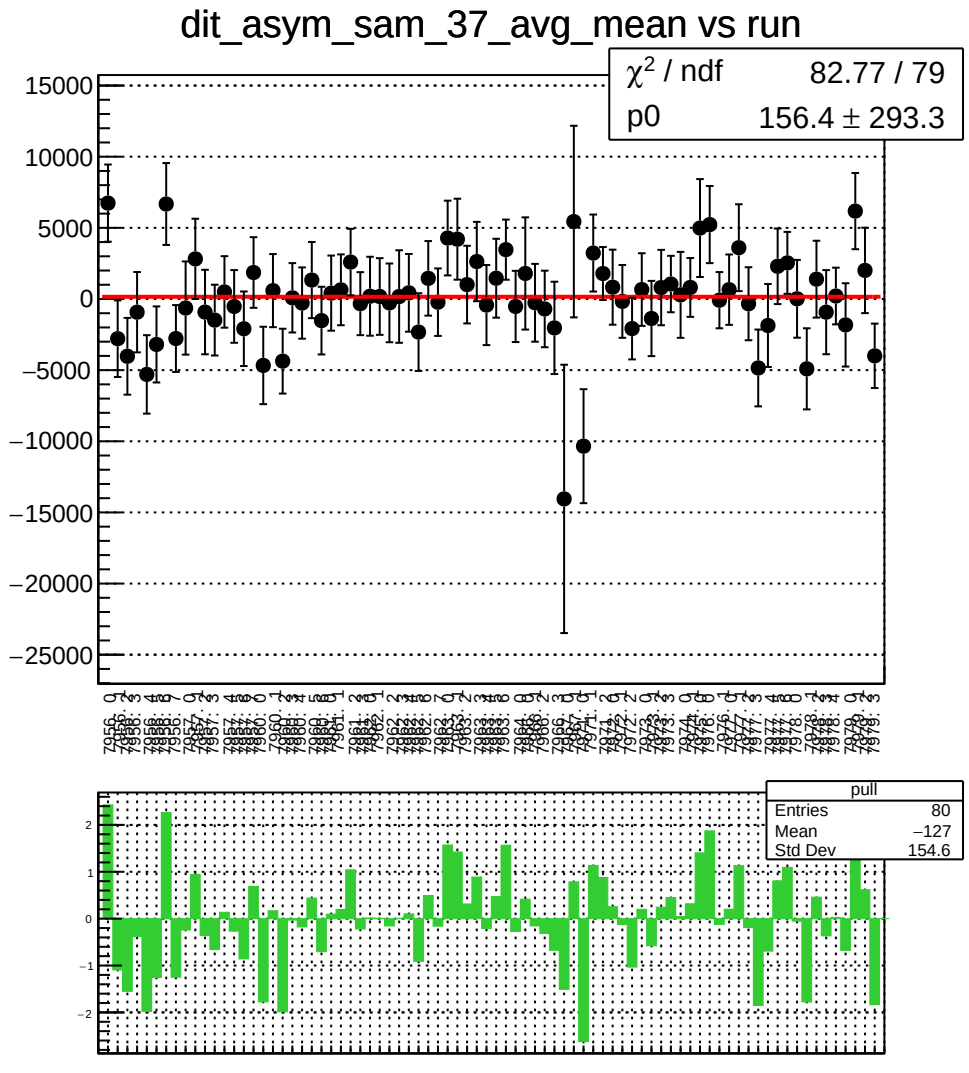

pull1D
Entries 80
Mean −0.0009806
Std Dev 1.151
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

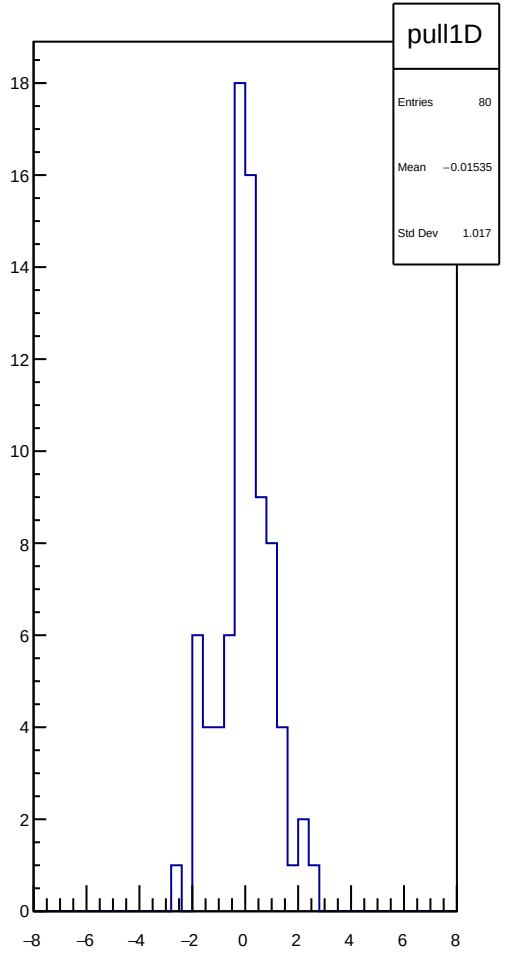

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3354 / 79
p0 2102 ± 1.668
2400
2300
2200
2100
2000
1900

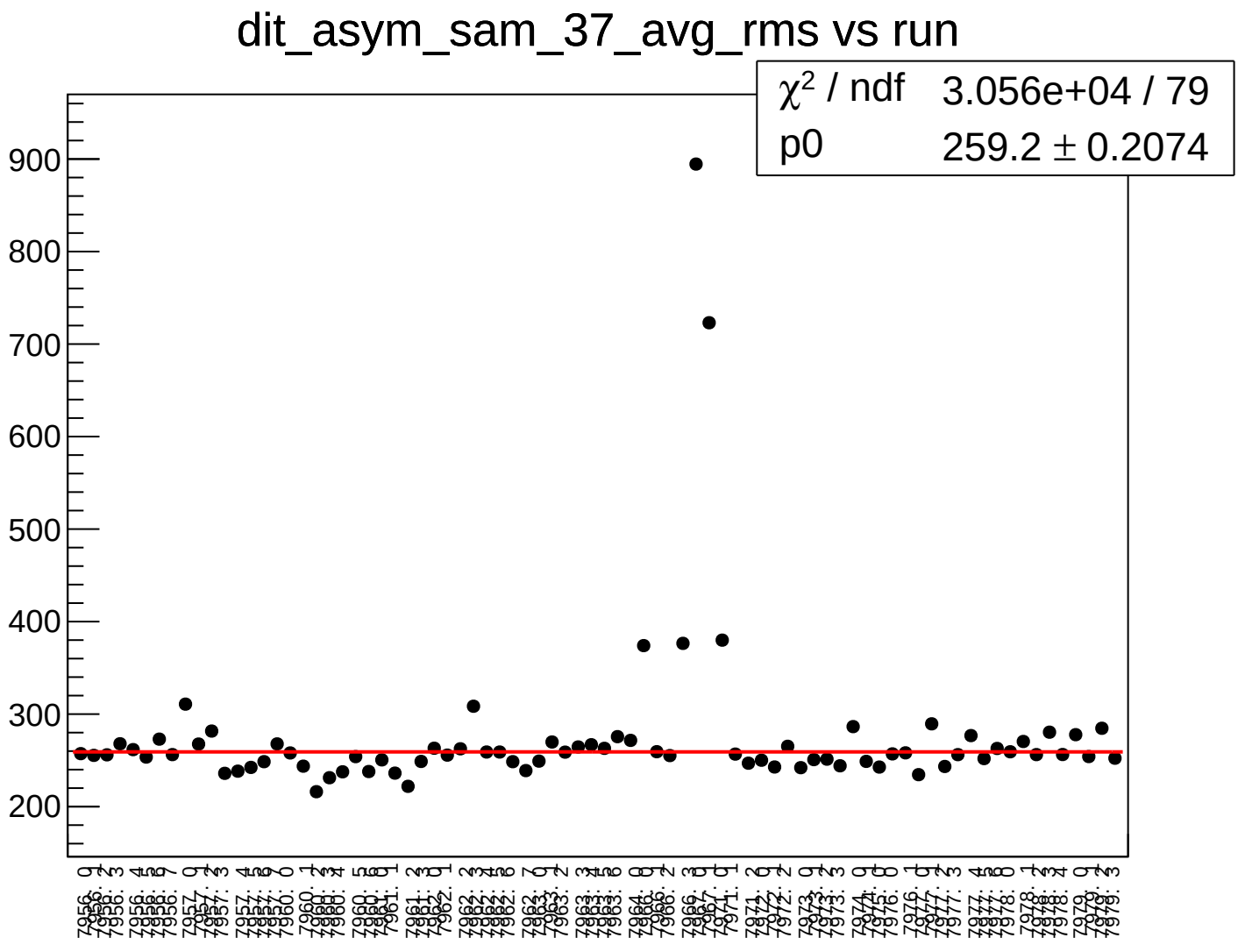

asym_sam_26_avg_mean vs run
χ^2 / ndf 107 / 79
p0 −1723 ± 2322
pull
Entries 80
Mean 531.1
Std Dev 488

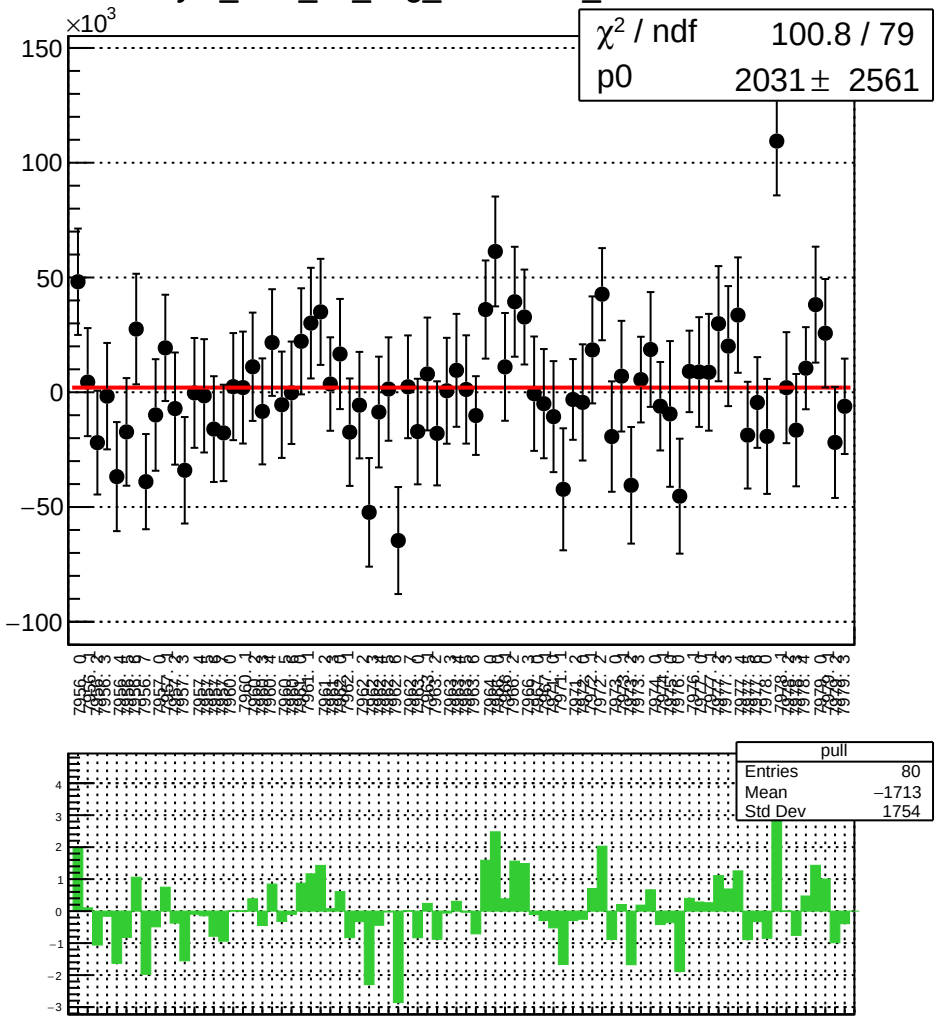

pull1D
Entries 80
Mean −0.009433
Std Dev 1.156

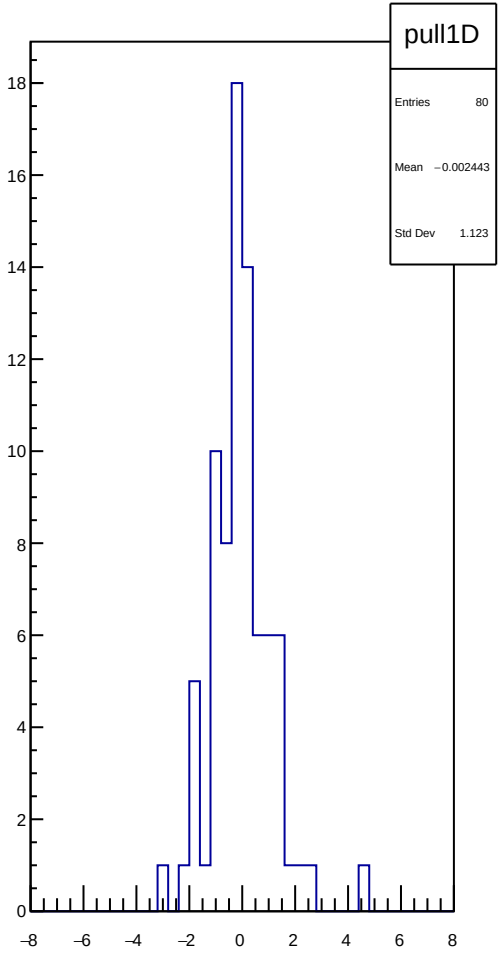

asym_sam_26_avg_rms vs run
χ² / ndf 1.188e+04 / 79
p0 2064 ± 1.642
3200
3000
2800
2600
2400
2200
2000
1800
1600

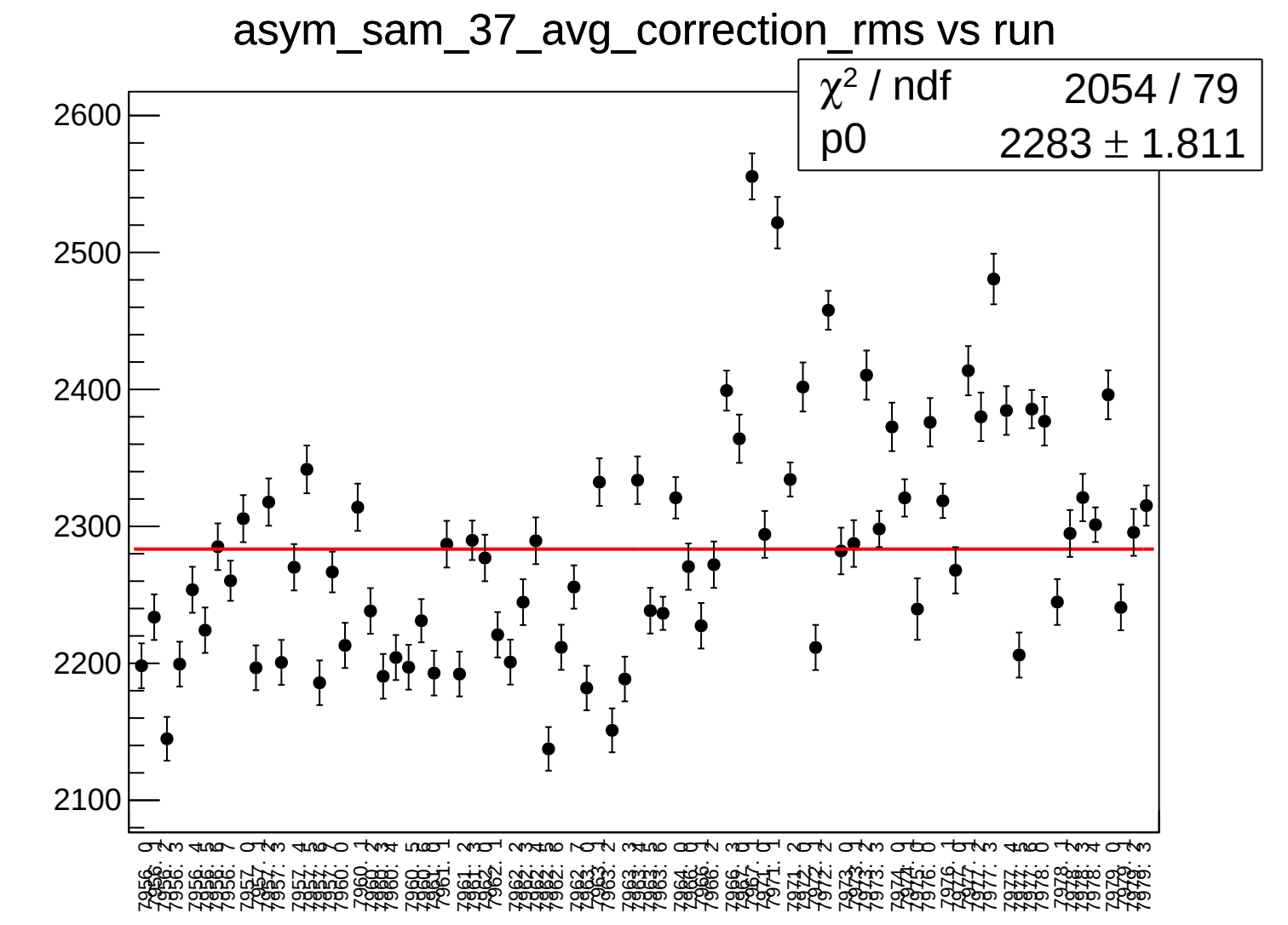

dit_asym_sam_37_avg_mean vs run
χ² / ndf 82.77 / 79
p0 156.4 ± 293.3
pull
Entries 80
Mean −127
Std Dev 154.6

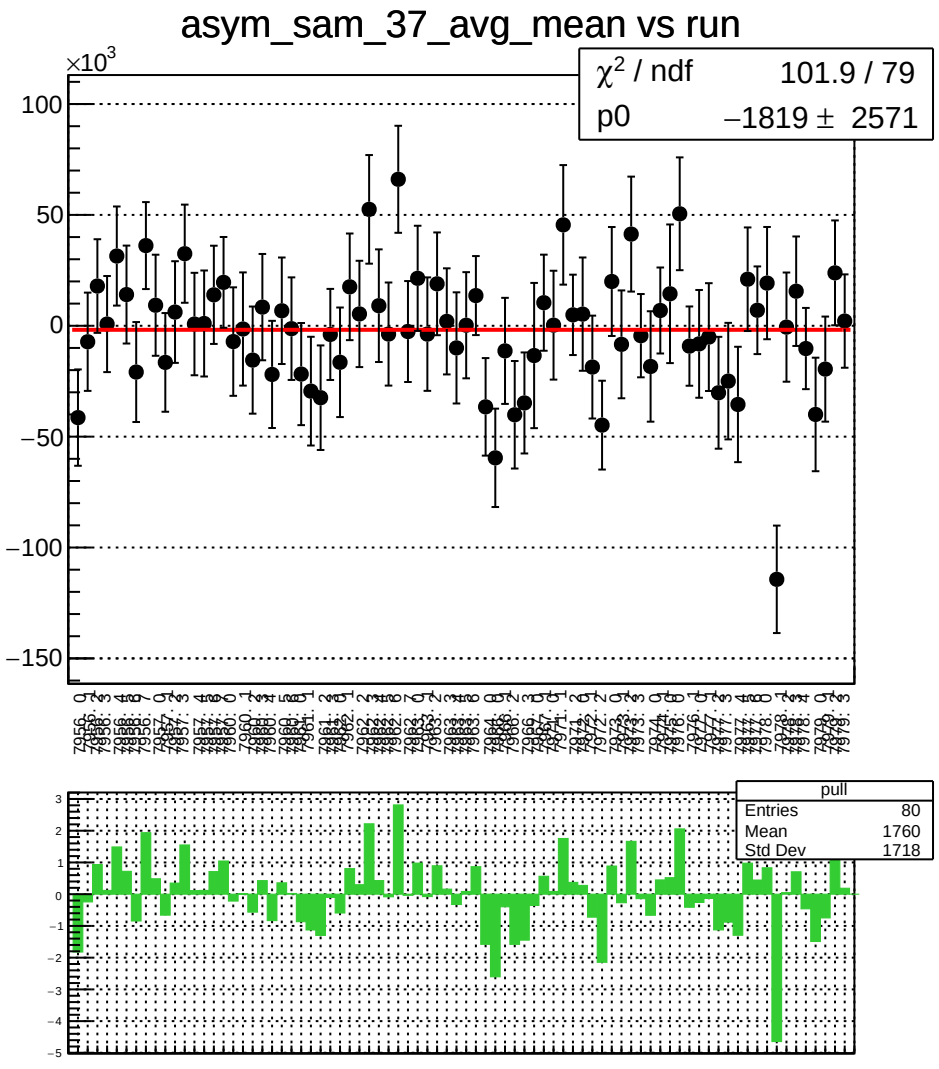

pull1D
Entries 80
Mean −0.01535
Std Dev 1.017

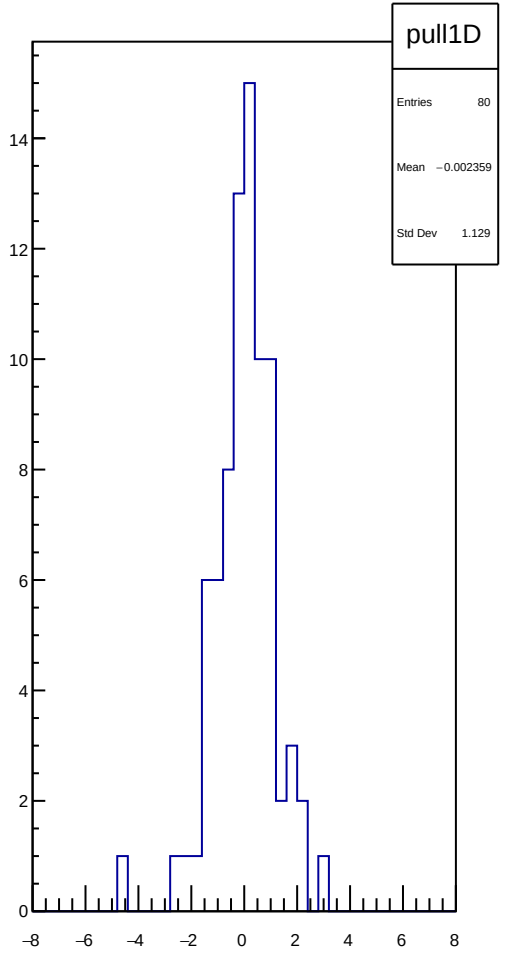

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.056e+04 / 79
p0 259.2 ± 0.2074
900
800
700
600
500
400
300
200

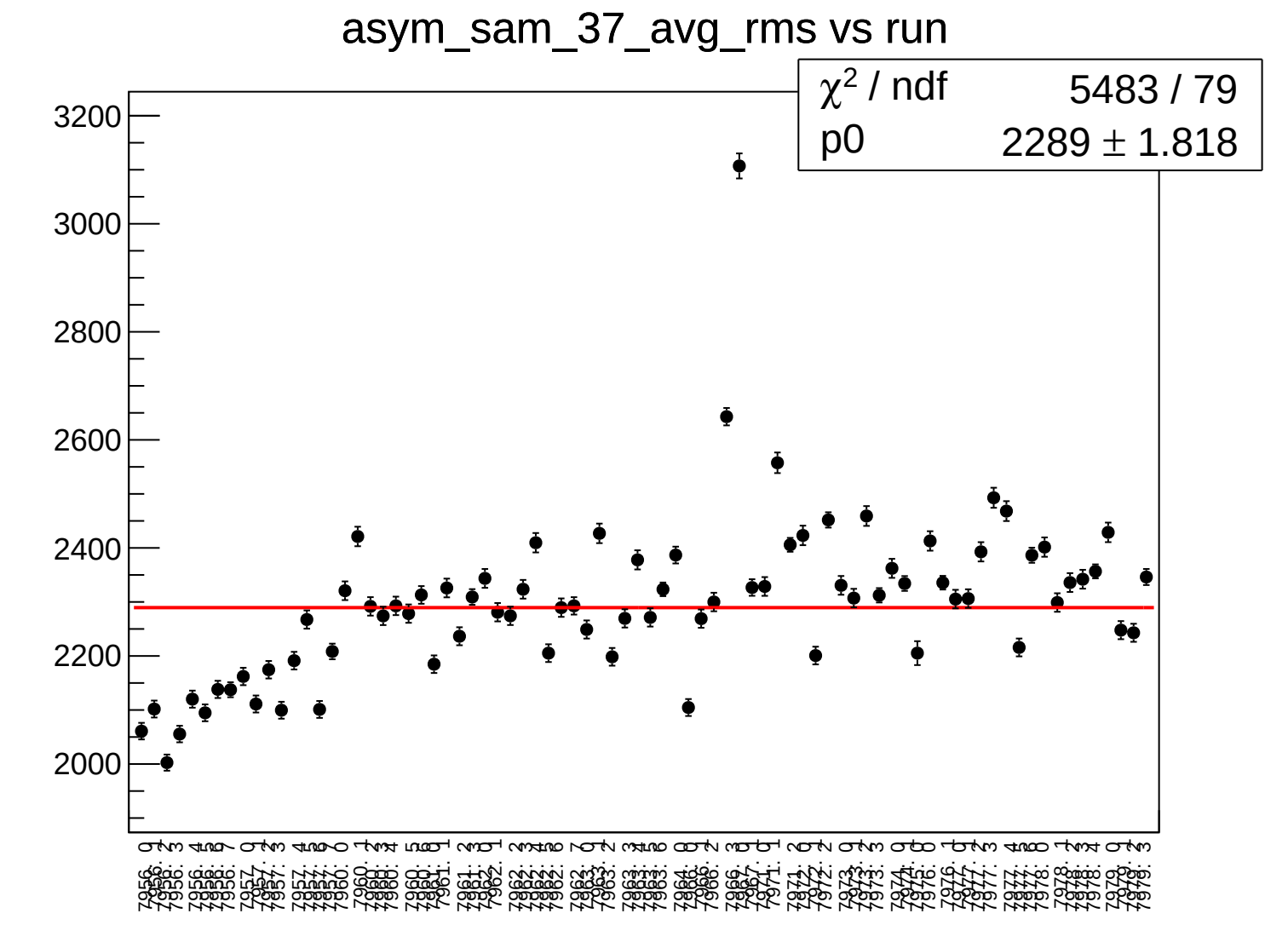

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 100.8 / 79
p0 2031 ± 2561
pull
Entries 80
Mean −1713
Std Dev 1754

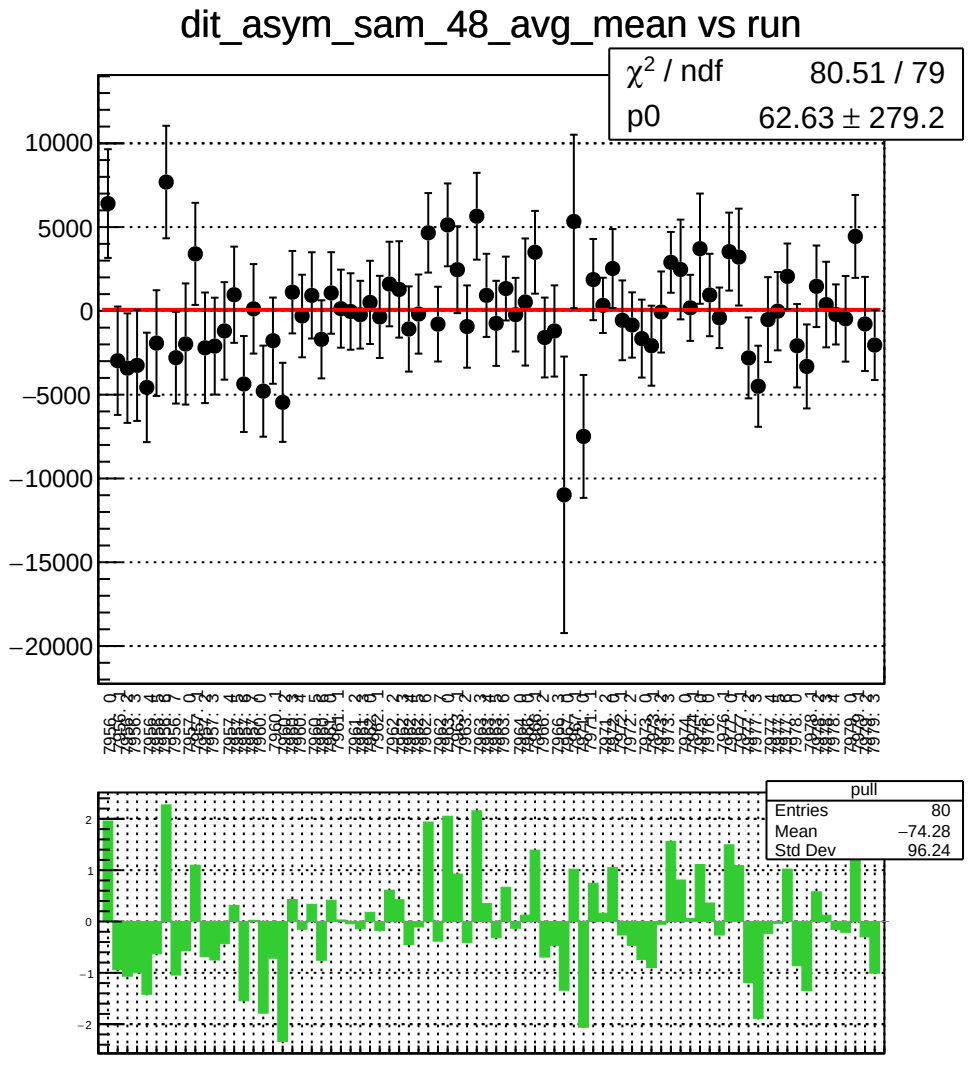

pull1D
Entries 80
Mean −0.002443
Std Dev 1.123

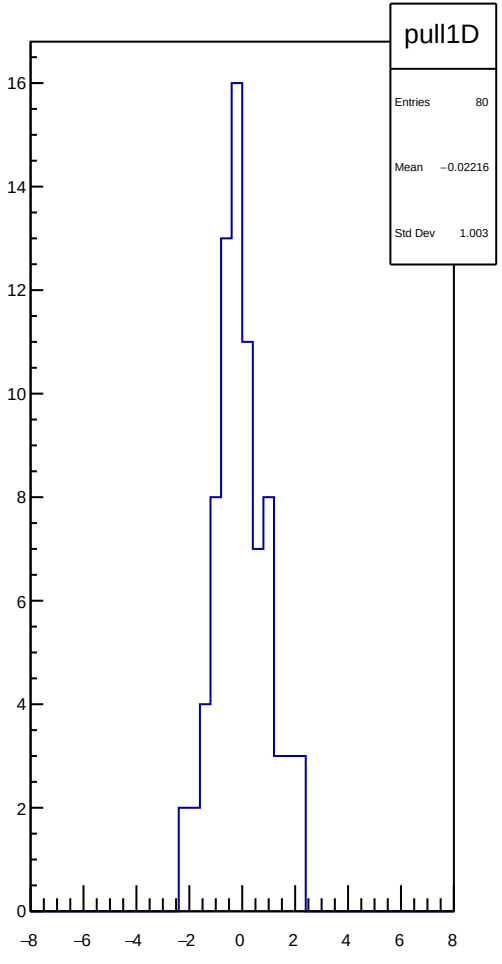

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2054 / 79
p0 2283 ± 1.811
2600
2500
2400
2300
2200
2100

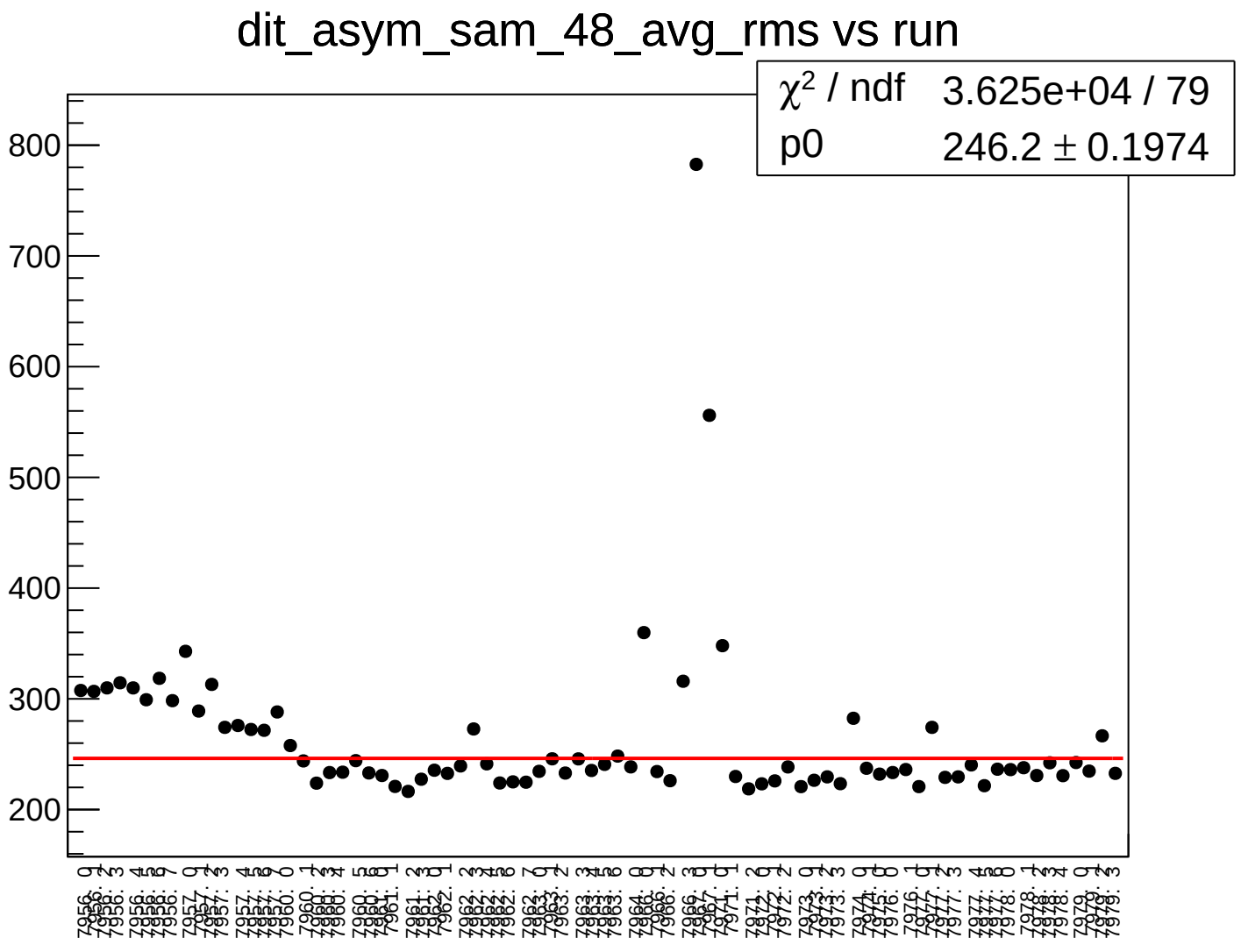

asym_sam_37_avg_mean vs run
×10^3
χ^2 / ndf 101.9 / 79
p0 −1819 ± 2571
100
50
0
−50
−100
−150
pull
Entries 80
Mean 1760
Std Dev 1718
3
2
1
0
−1
−2
−3
−4
−5

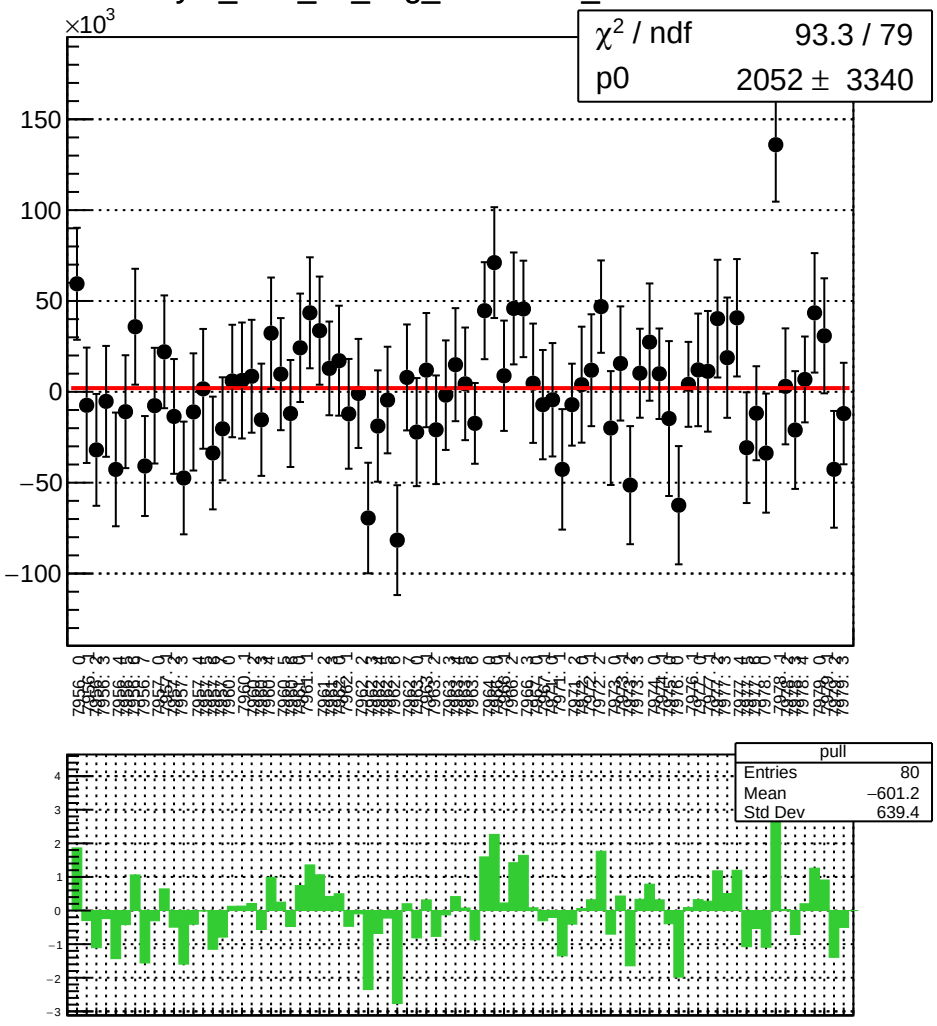

pull1D
Entries 80
Mean −0.002359
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

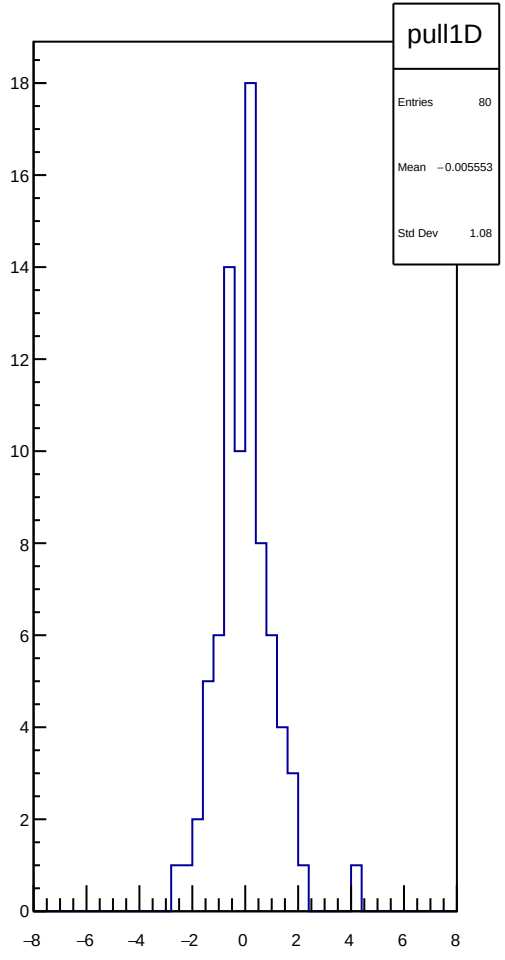

asym_sam_37_avg_rms vs run
χ^2 / ndf 5483 / 79
p0 2289 ± 1.818
3200
3000
2800
2600
2400
2200
2000

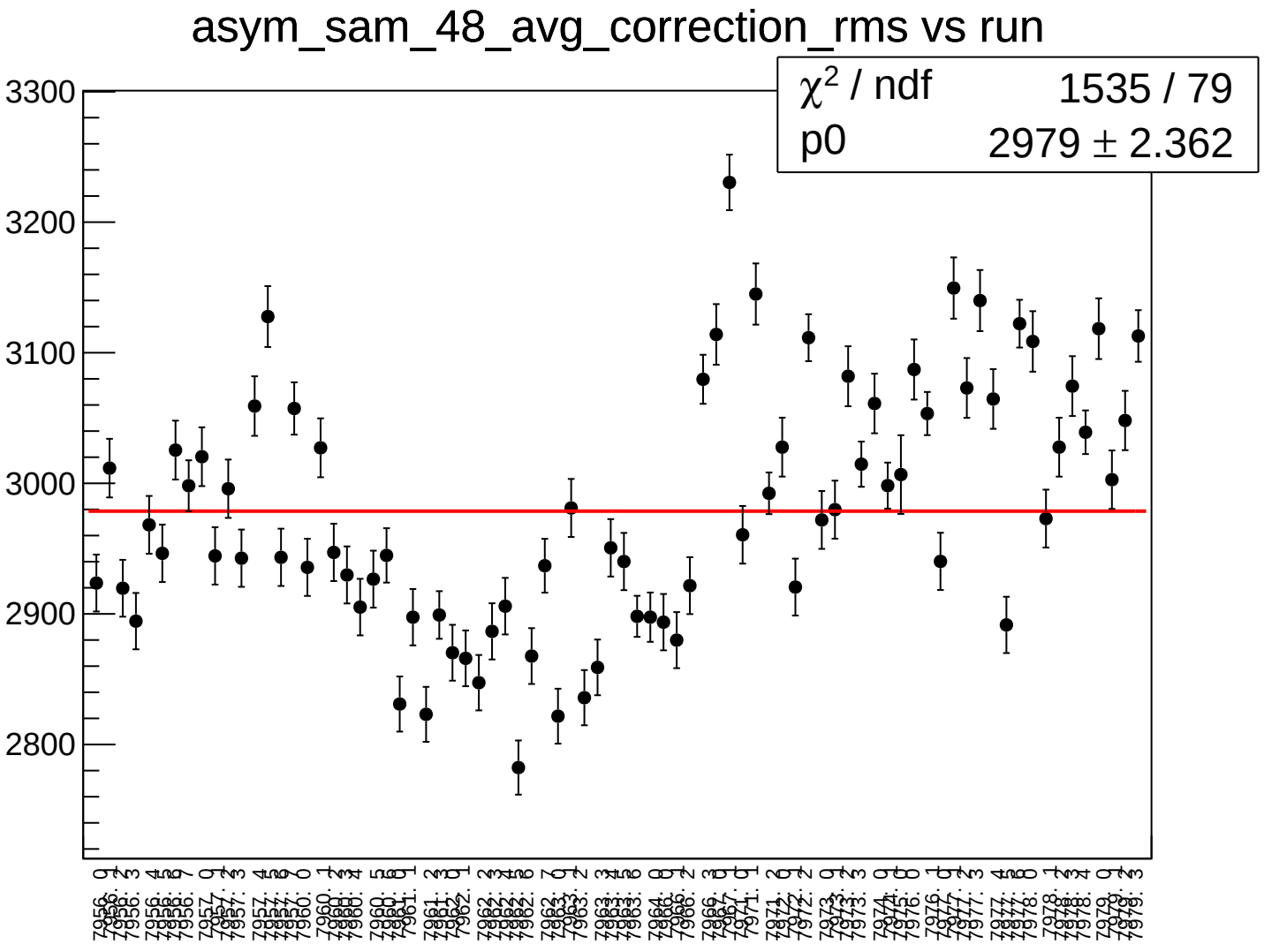

dit_asym_sam_48_avg_mean vs run
χ² / ndf 80.51 / 79
p0 62.63 ± 279.2
pull
Entries 80
Mean −74.28
Std Dev 96.24

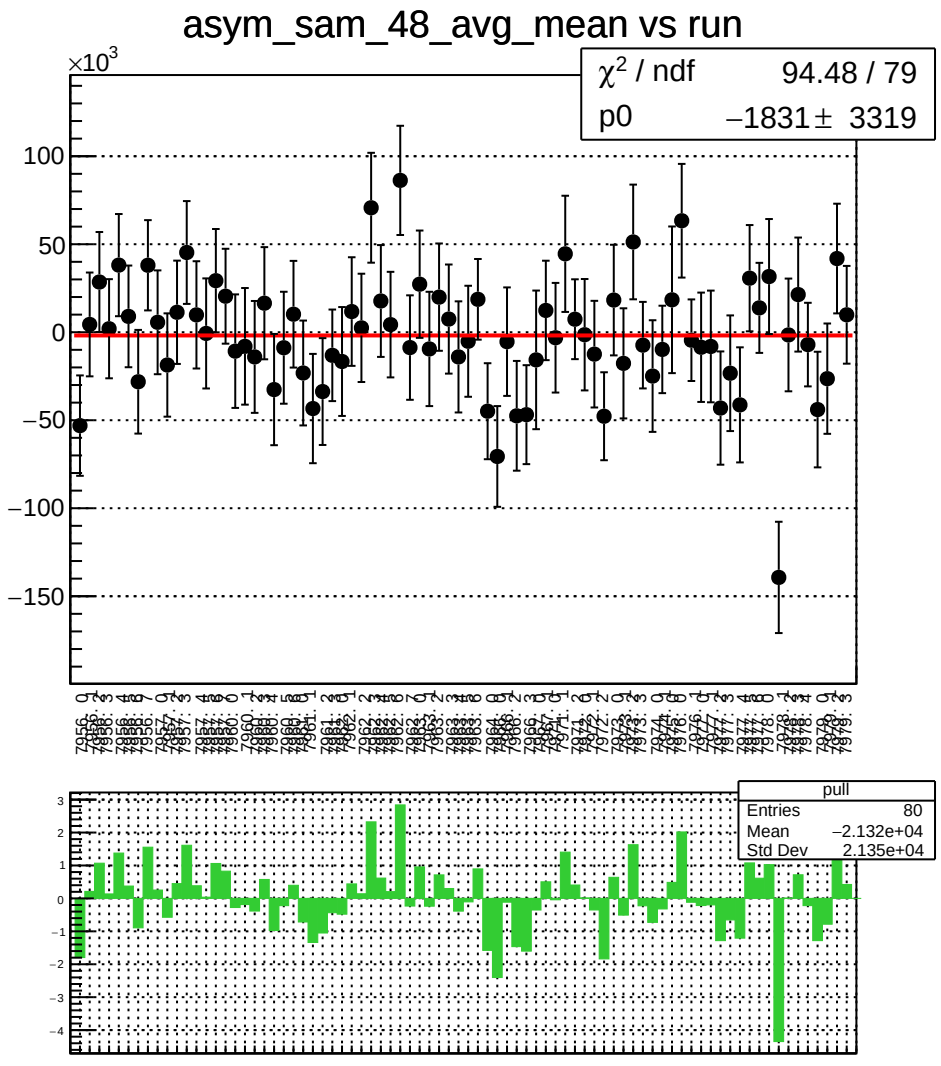

pull1D
Entries 80
Mean −0.02216
Std Dev 1.003

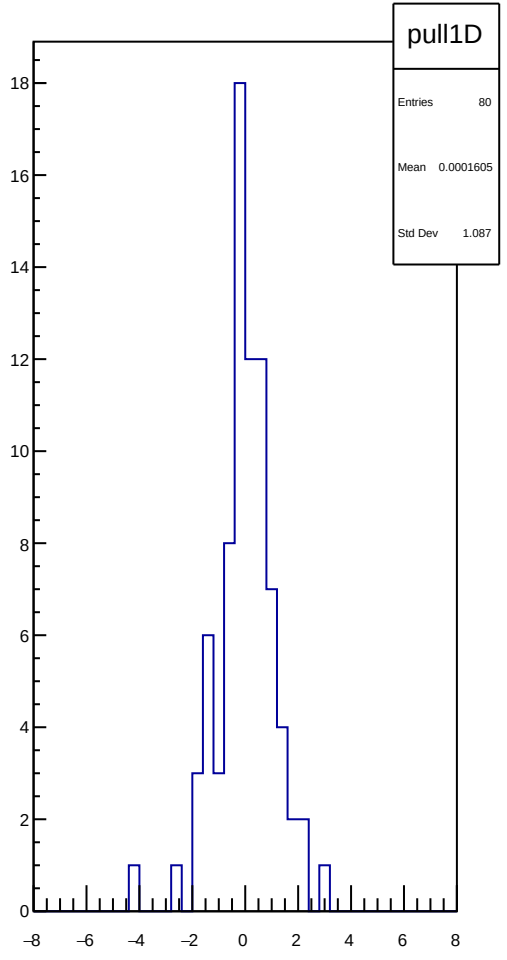

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.625e+04 / 79
p0 246.2 ± 0.1974
800
700
600
500
400
300
200

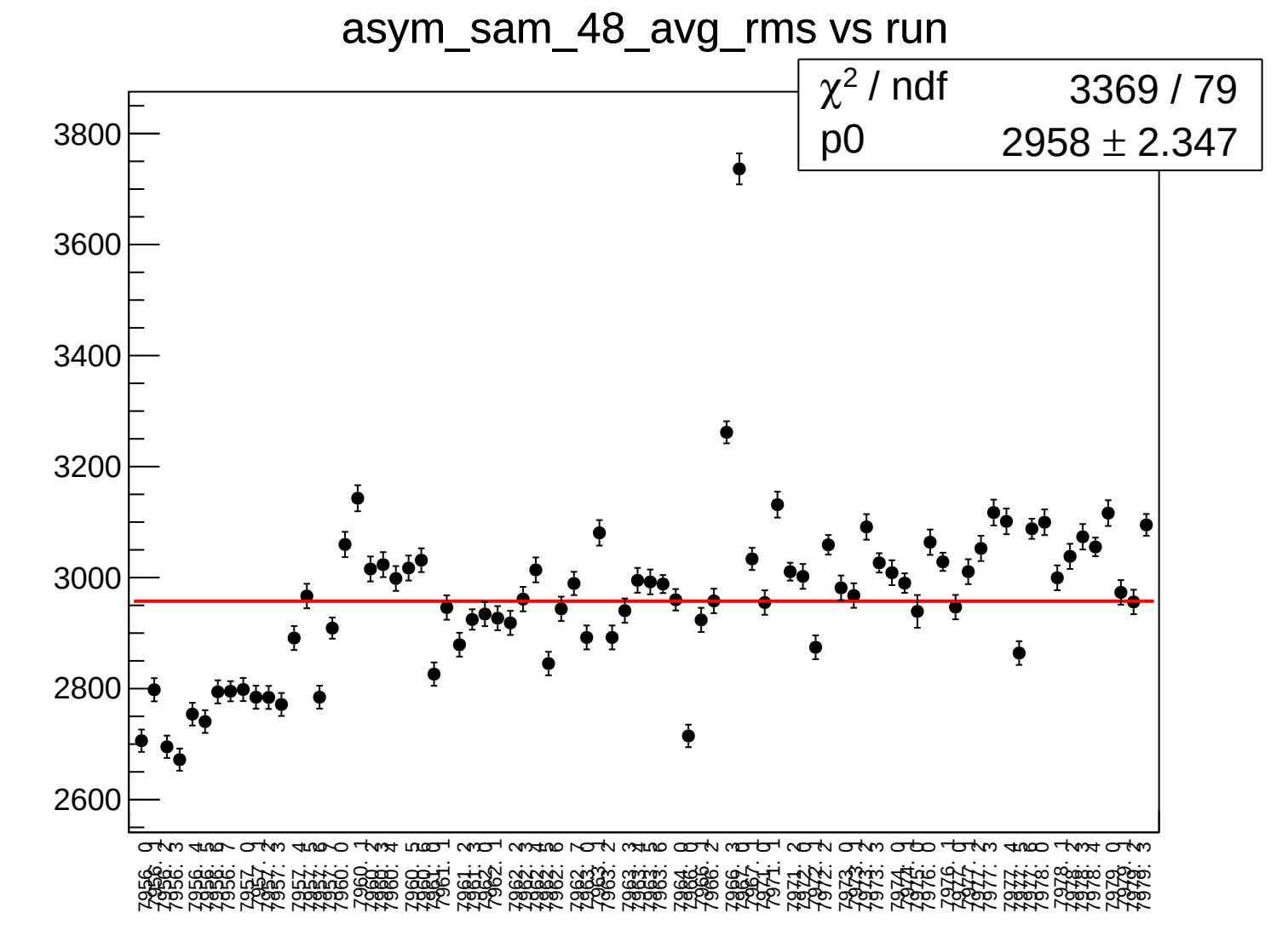

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 93.3 / 79
p0 2052 ± 3340
150
100
50
0
−50
−100
pull
Entries 80
Mean −601.2
Std Dev 639.4
4
3
2
1
0
−1
−2
−3

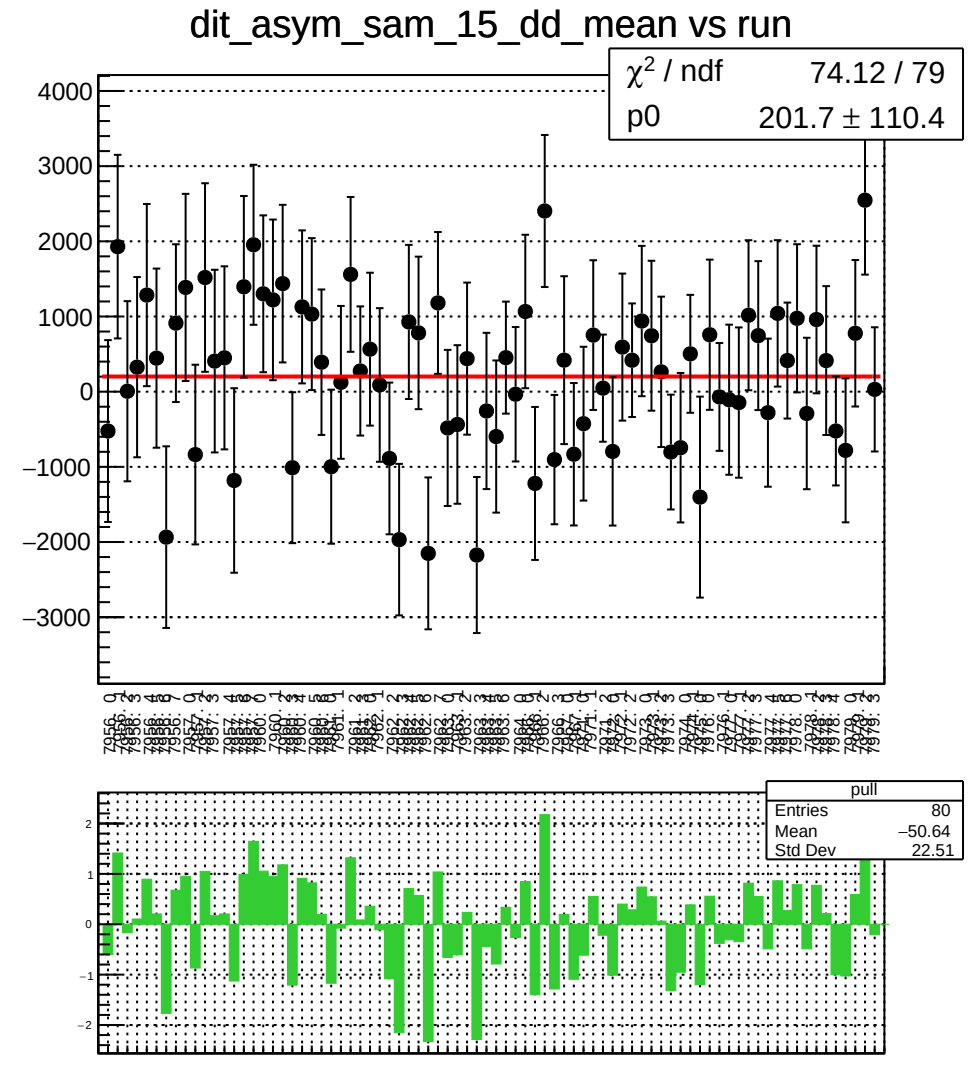

pull1D
Entries 80
Mean −0.005553
Std Dev 1.08
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

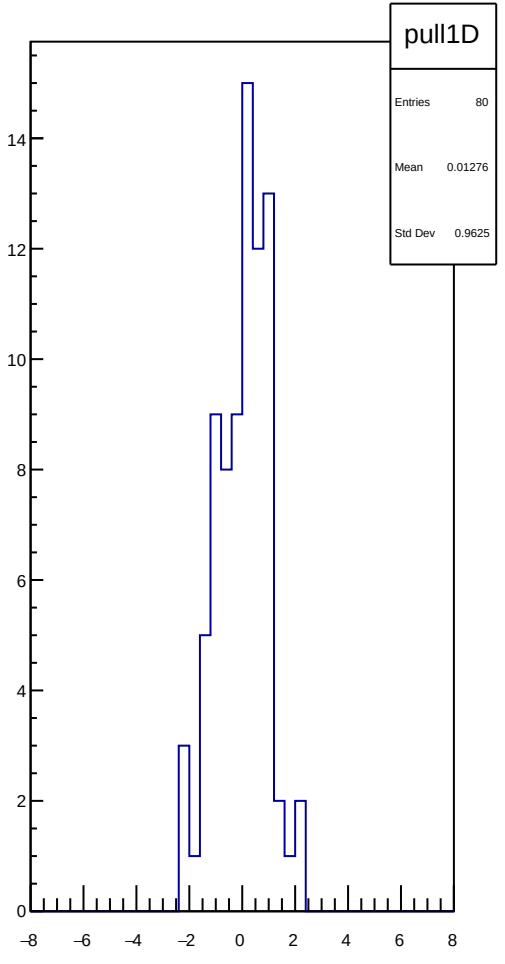

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1535 / 79
p0 2979 ± 2.362
3300
3200
3100
3000
2900
2800

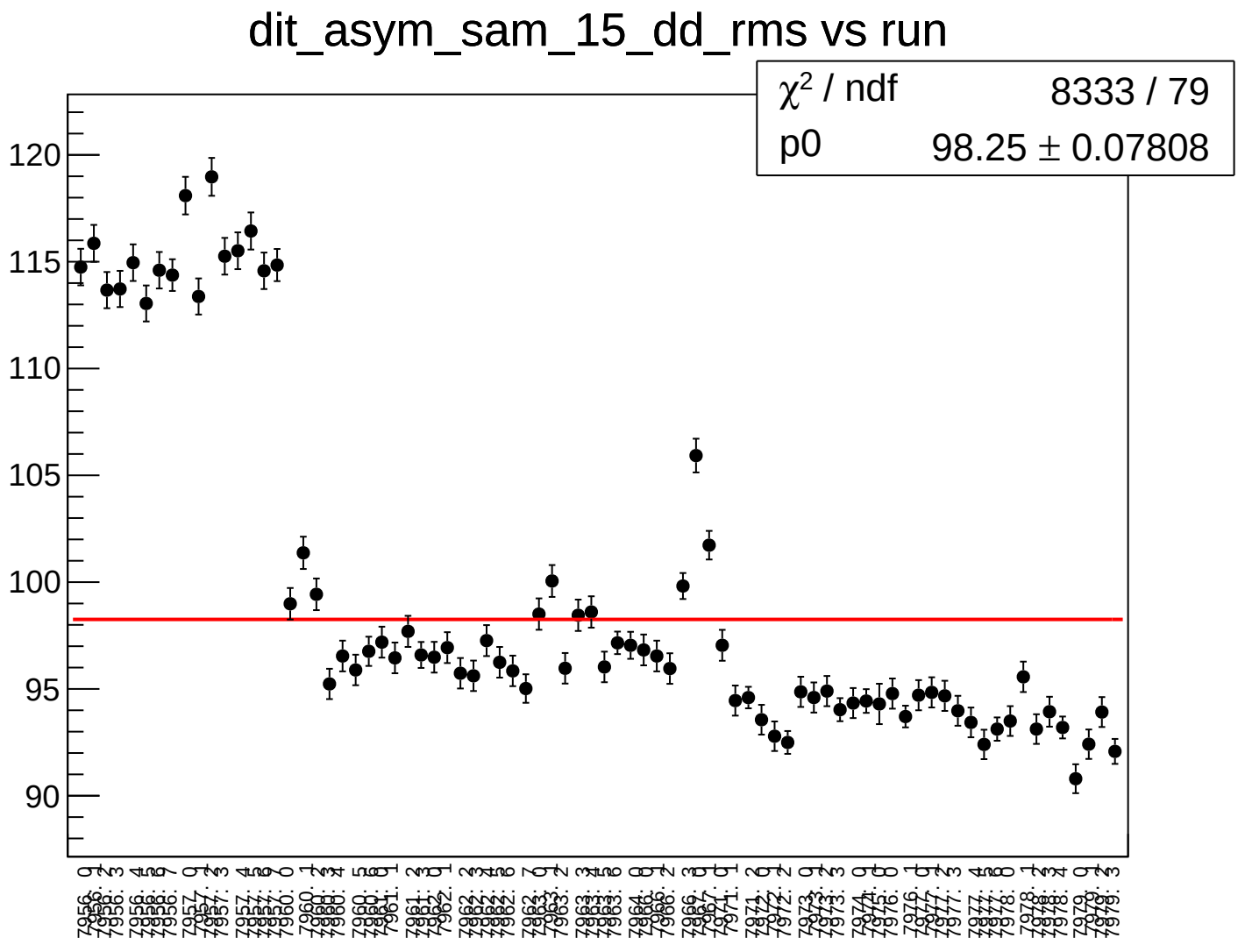

asym_sam_48_avg_mean vs run
×10^3
χ² / ndf 94.48 / 79
p0 −1831 ± 3319
100
50
0
−50
−100
−150
pull
Entries 80
Mean −2.132e+04
Std Dev 2.135e+04
3
2
1
0
−1
−2
−3
−4

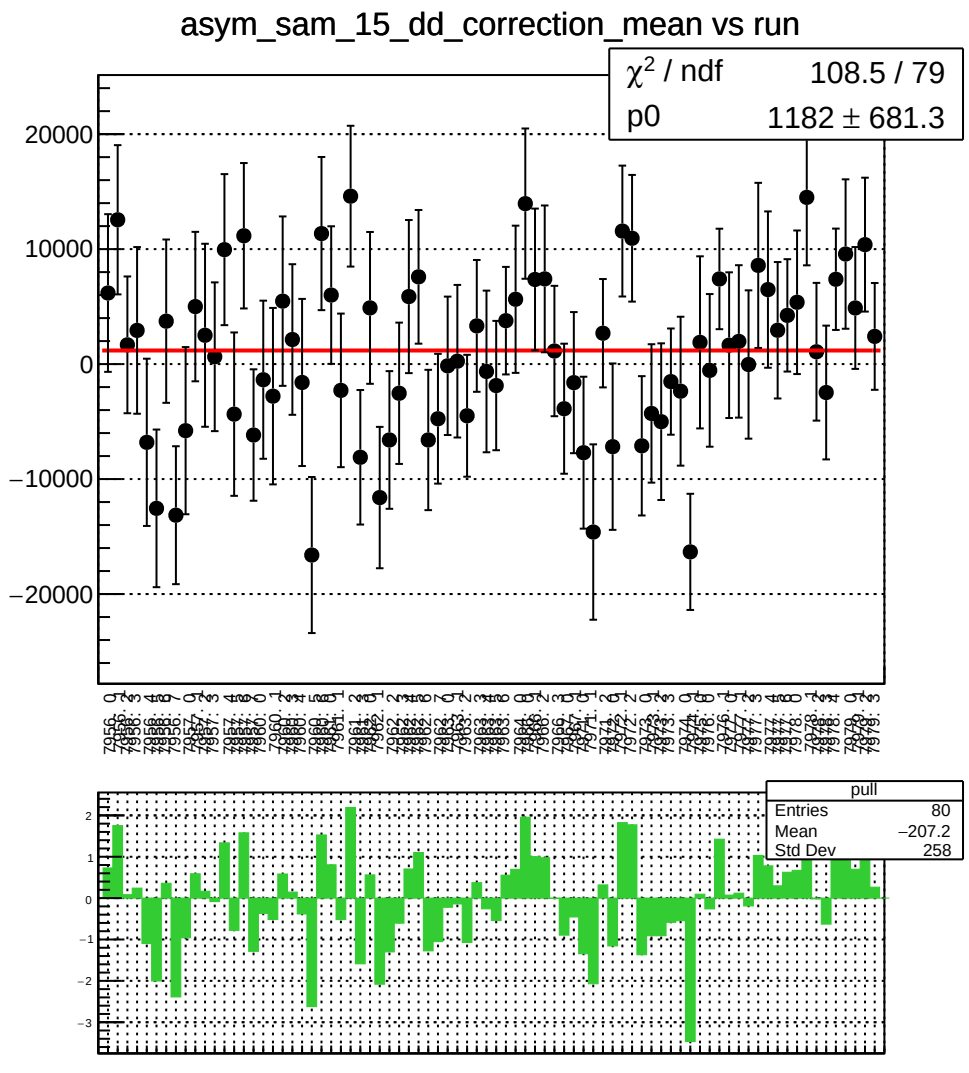

pull1D
Entries 80
Mean 0.0001605
Std Dev 1.087
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

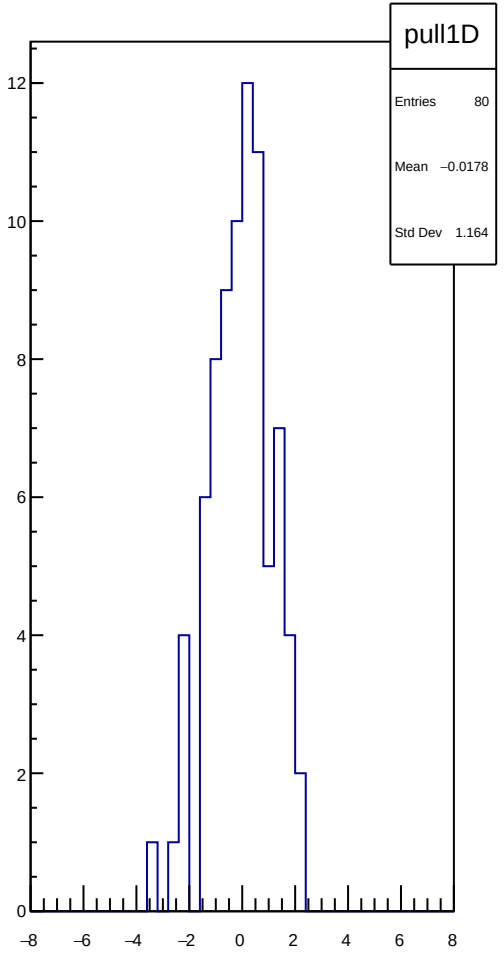

asym_sam_48_avg_rms vs run
χ^2 / ndf 3369 / 79
p0 2958 ± 2.347
3800
3600
3400
3200
3000
2800
2600

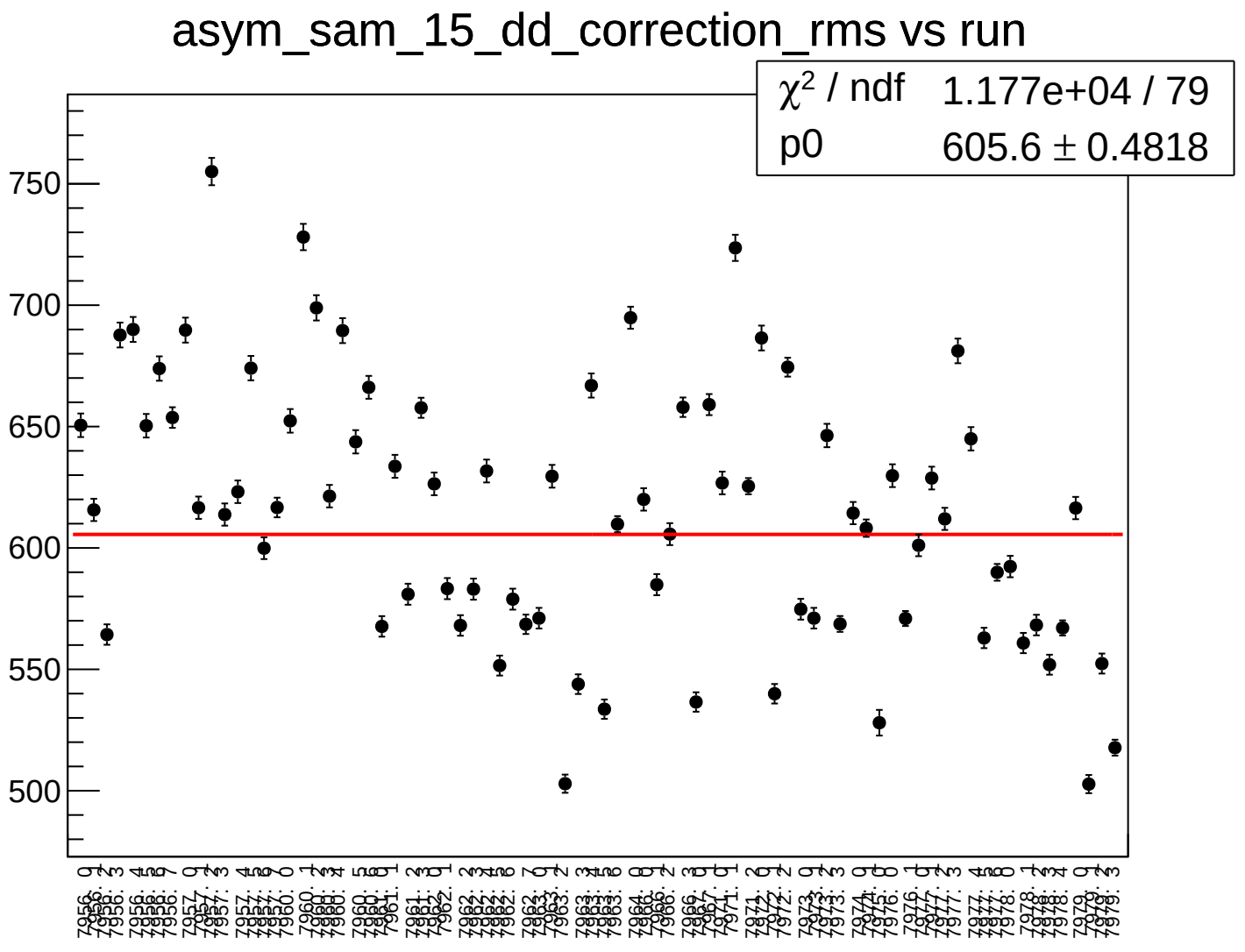

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 74.12 / 79
p0 201.7 ± 110.4
pull
Entries 80
Mean −50.64
Std Dev 22.51

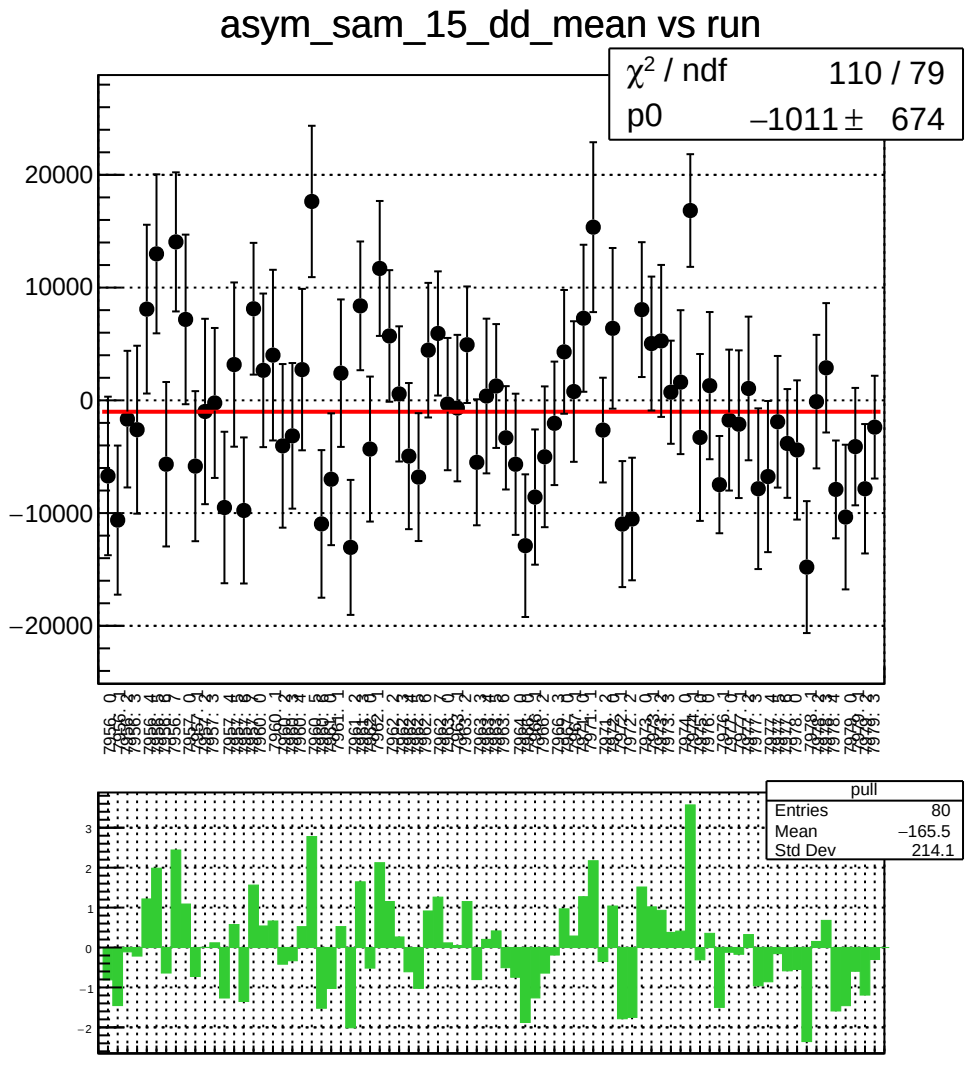

pull1D
Entries 80
Mean 0.01276
Std Dev 0.9625

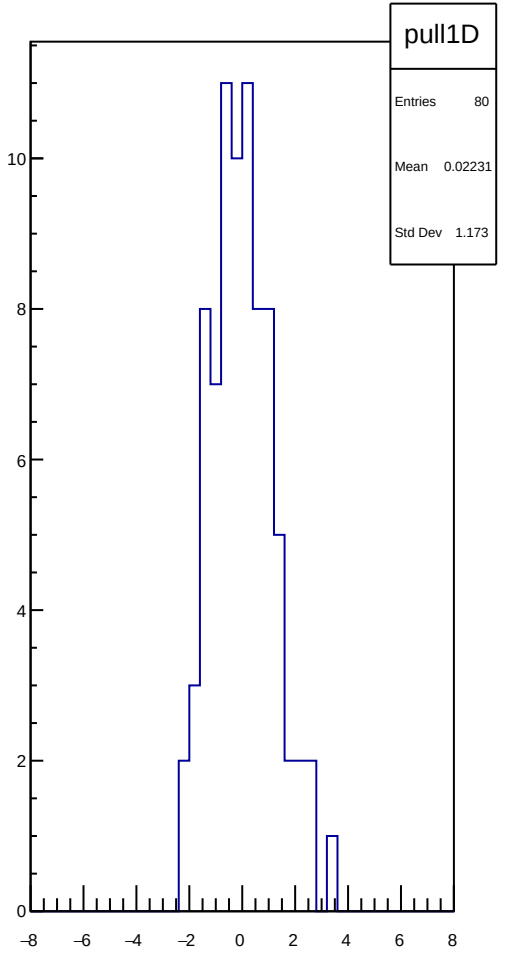

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 8333 / 79
p0 98.25 ± 0.07808
120
115
110
105
100
95
90

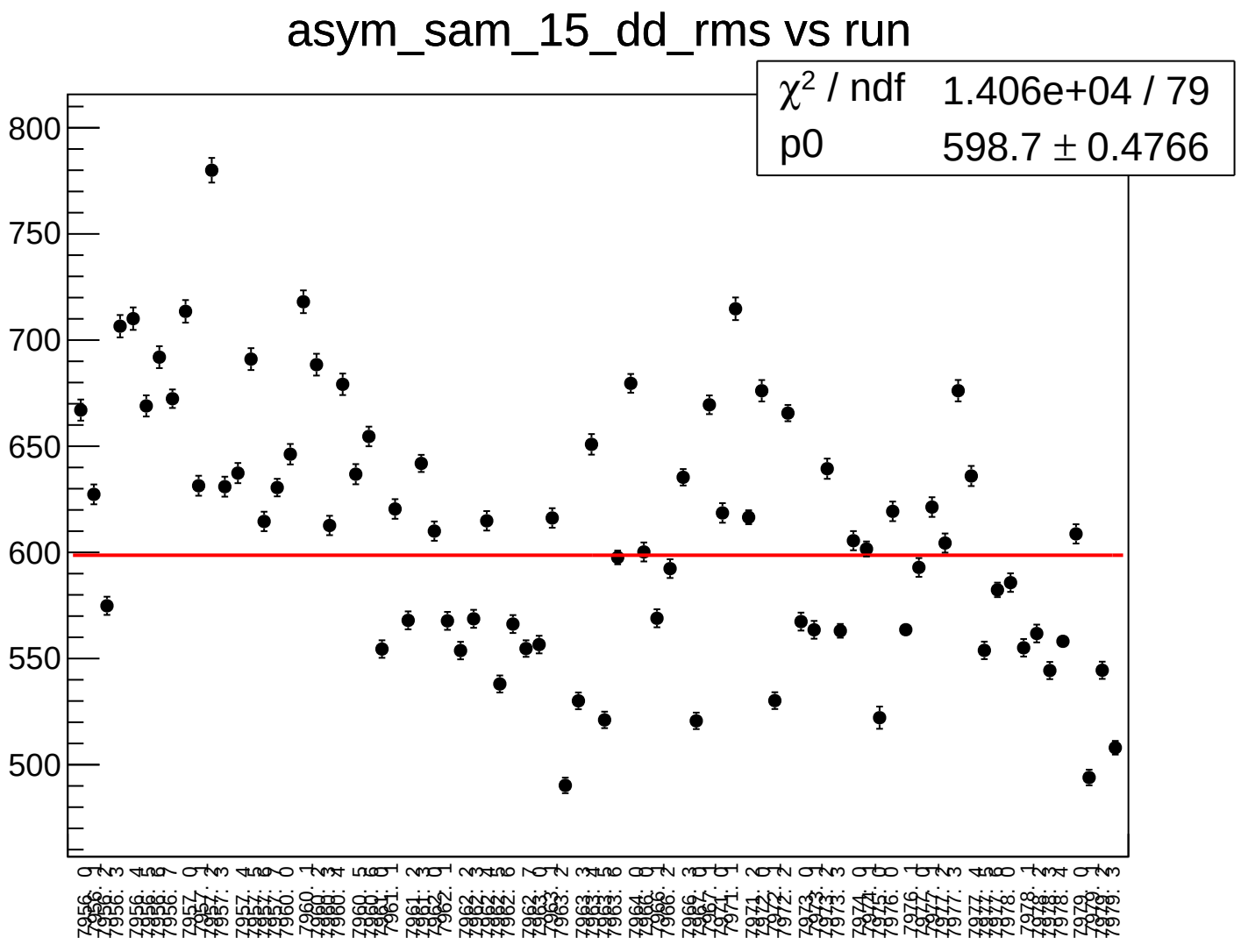

asym_sam_15_dd_correction_mean vs run
χ² / ndf 108.5 / 79
p0 1182 ± 681.3
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −207.2
Std Dev 258
2
1
0
−1
−2
−3

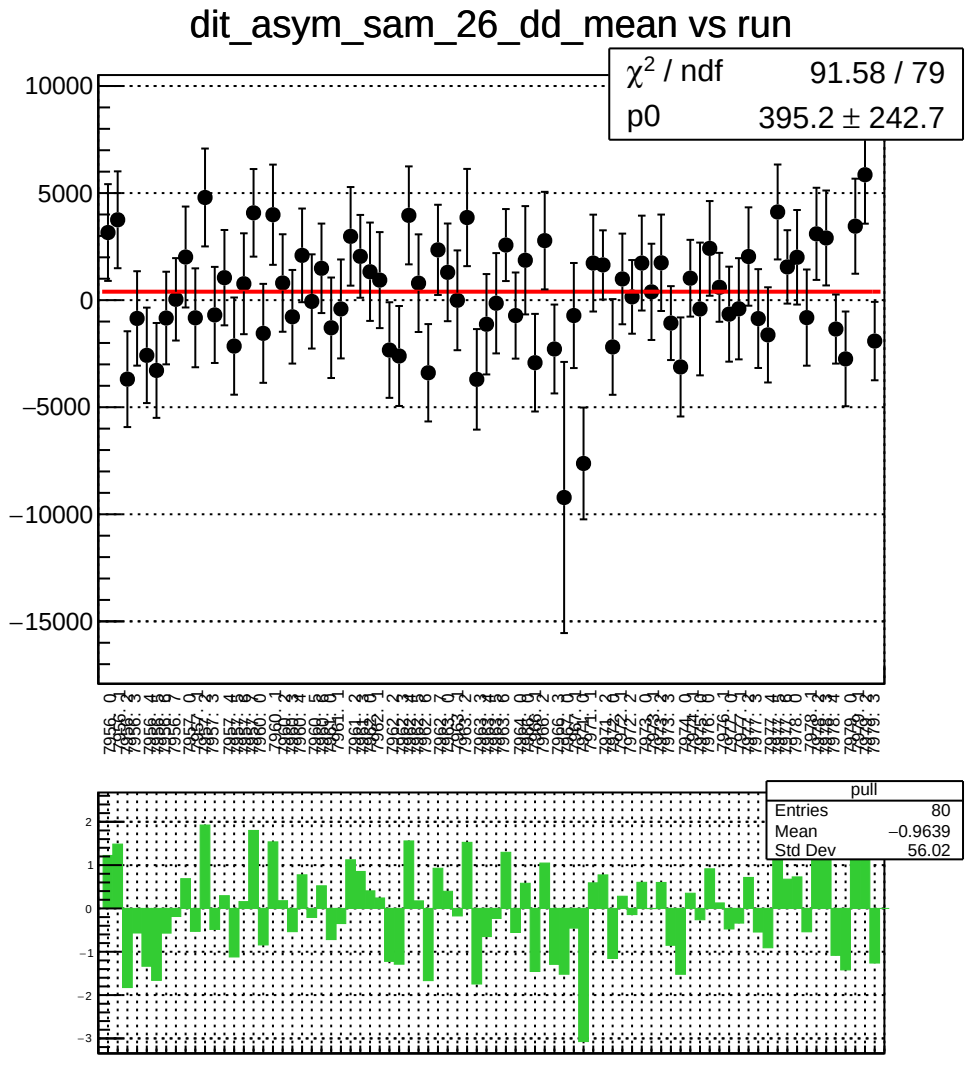

pull1D
Entries 80
Mean −0.0178
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

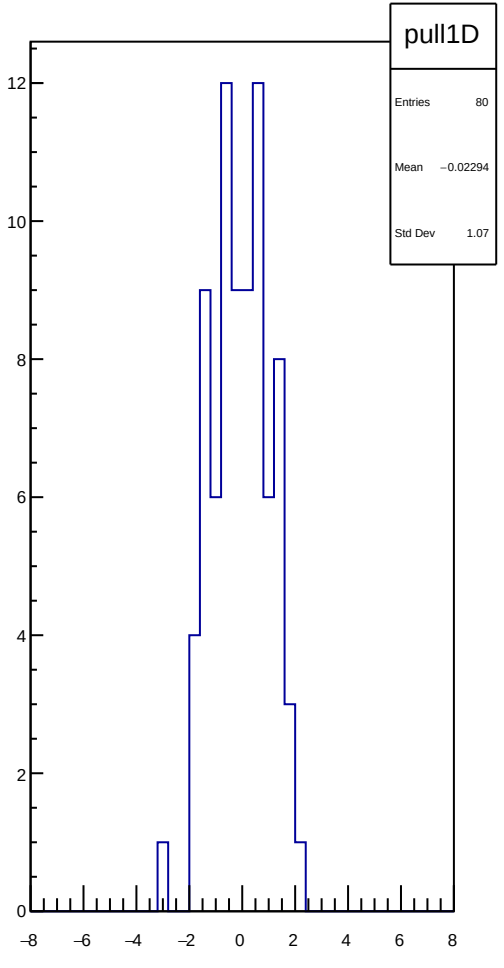

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.177e+04 / 79
p0 605.6 ± 0.4818
750
700
650
600
550
500

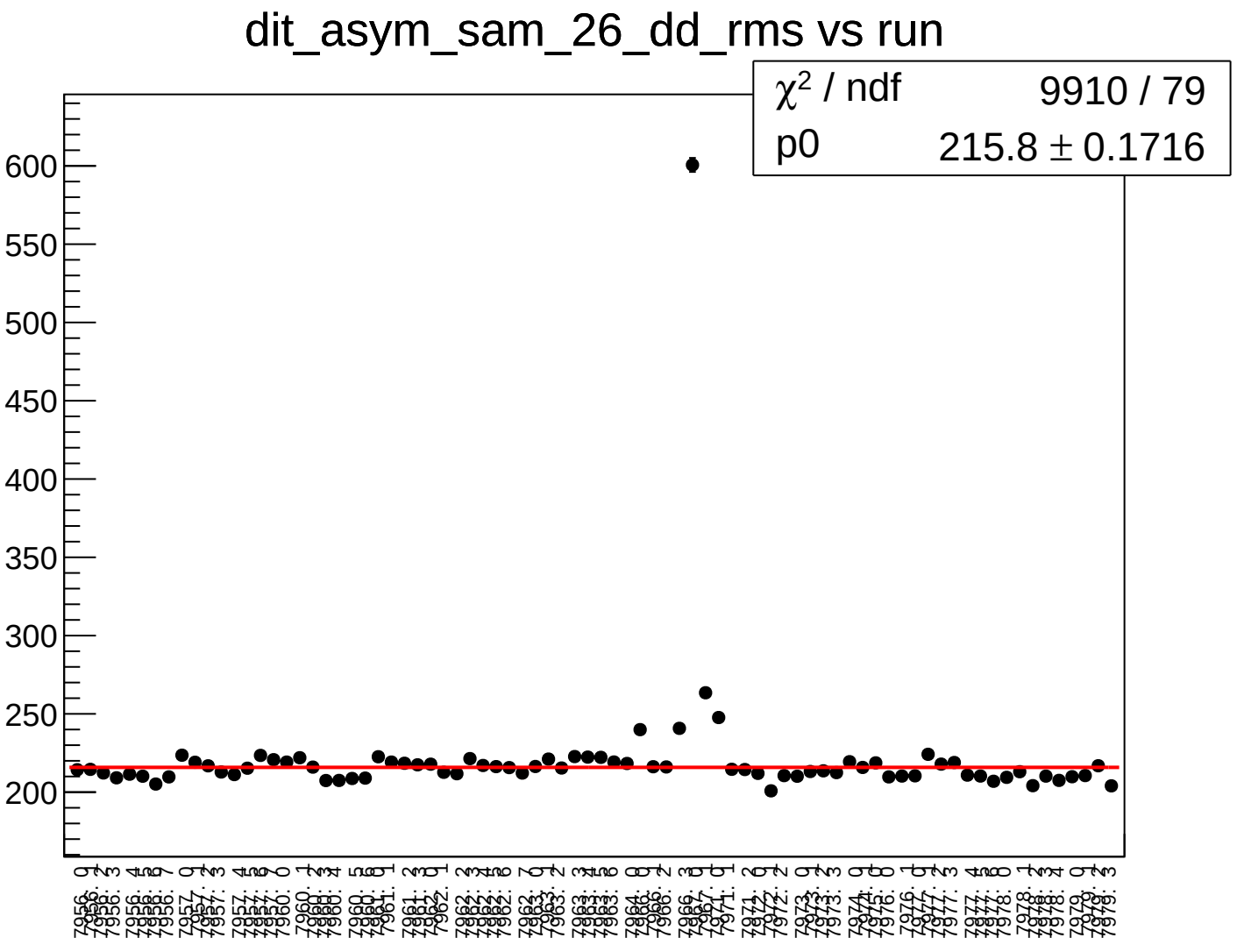

asym_sam_15_dd_mean vs run
χ² / ndf 110 / 79
p0 −1011 ± 674
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −165.5
Std Dev 214.1
3
2
1
0
−1
−2

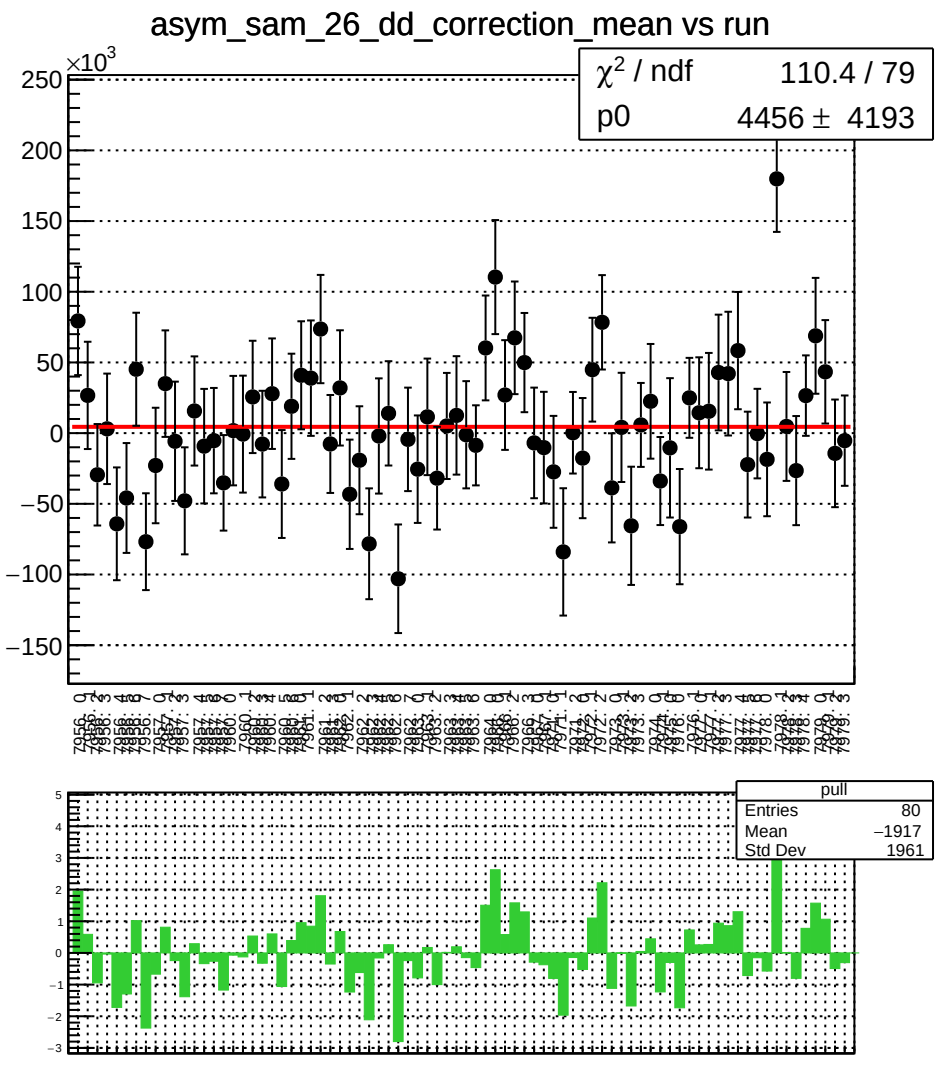

pull1D
Entries 80
Mean 0.02231
Std Dev 1.173
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

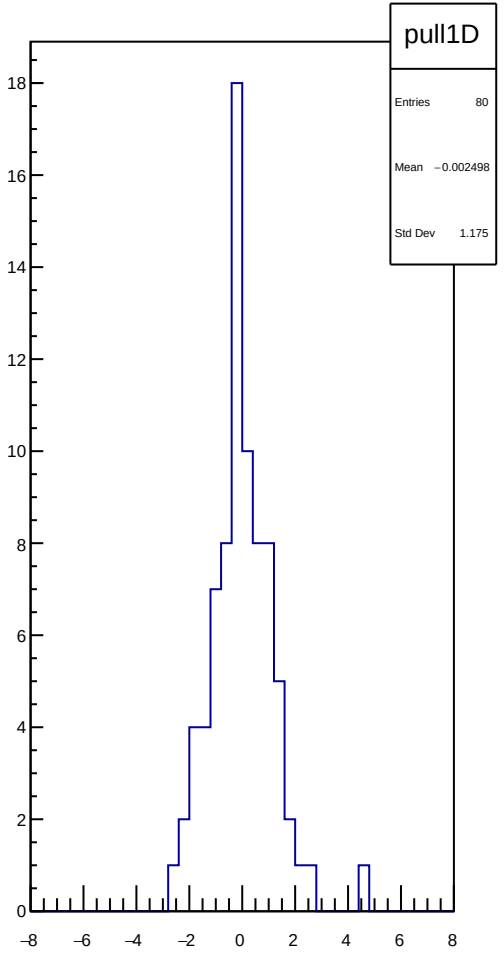

asym_sam_15_dd_rms vs run
χ² / ndf 1.406e+04 / 79
p0 598.7 ± 0.4766
800
750
700
650
600
550
500

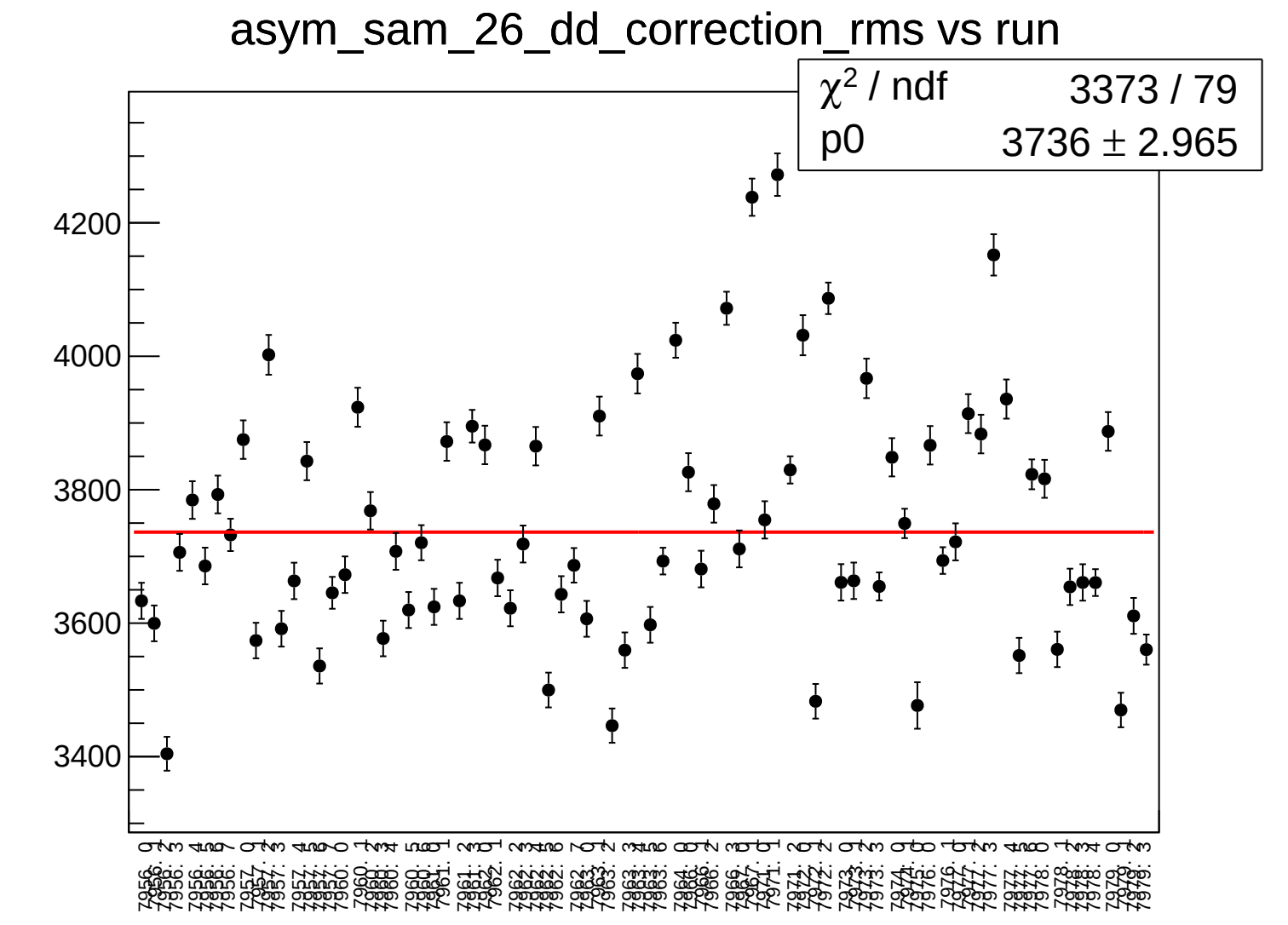

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 91.58 / 79
p0 395.2 ± 242.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −0.9639
Std Dev 56.02
2
1
0
−1
−2
−3

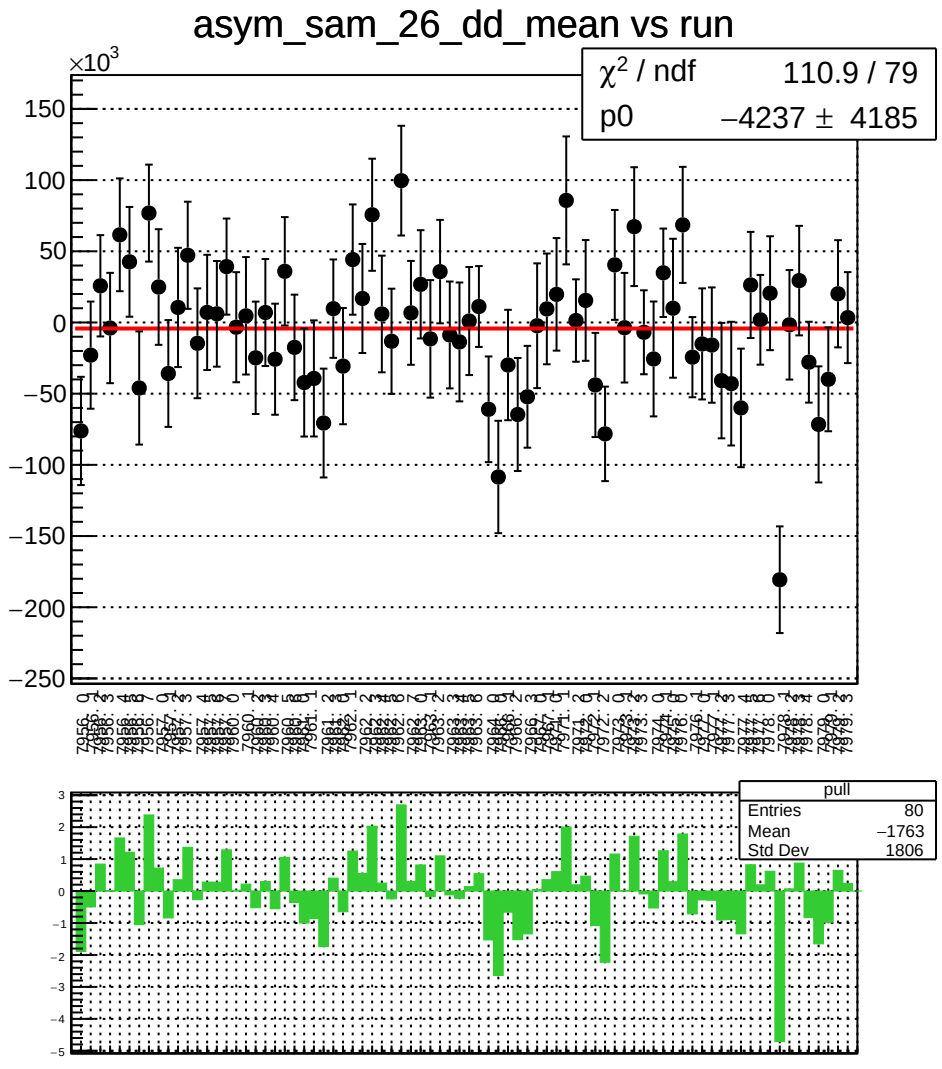

pull1D
Entries 80
Mean −0.02294
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

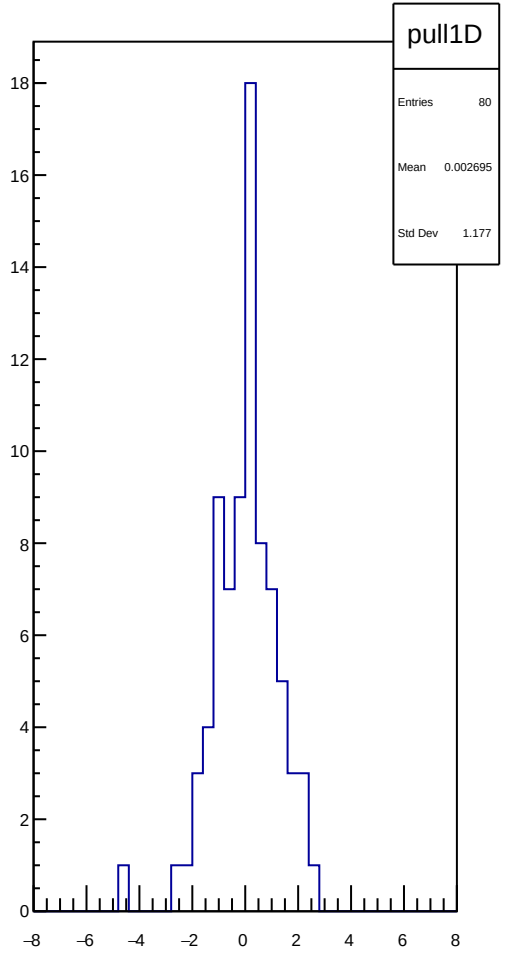

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 9910 / 79
p0 215.8 ± 0.1716
600
550
500
450
400
350
300
250
200

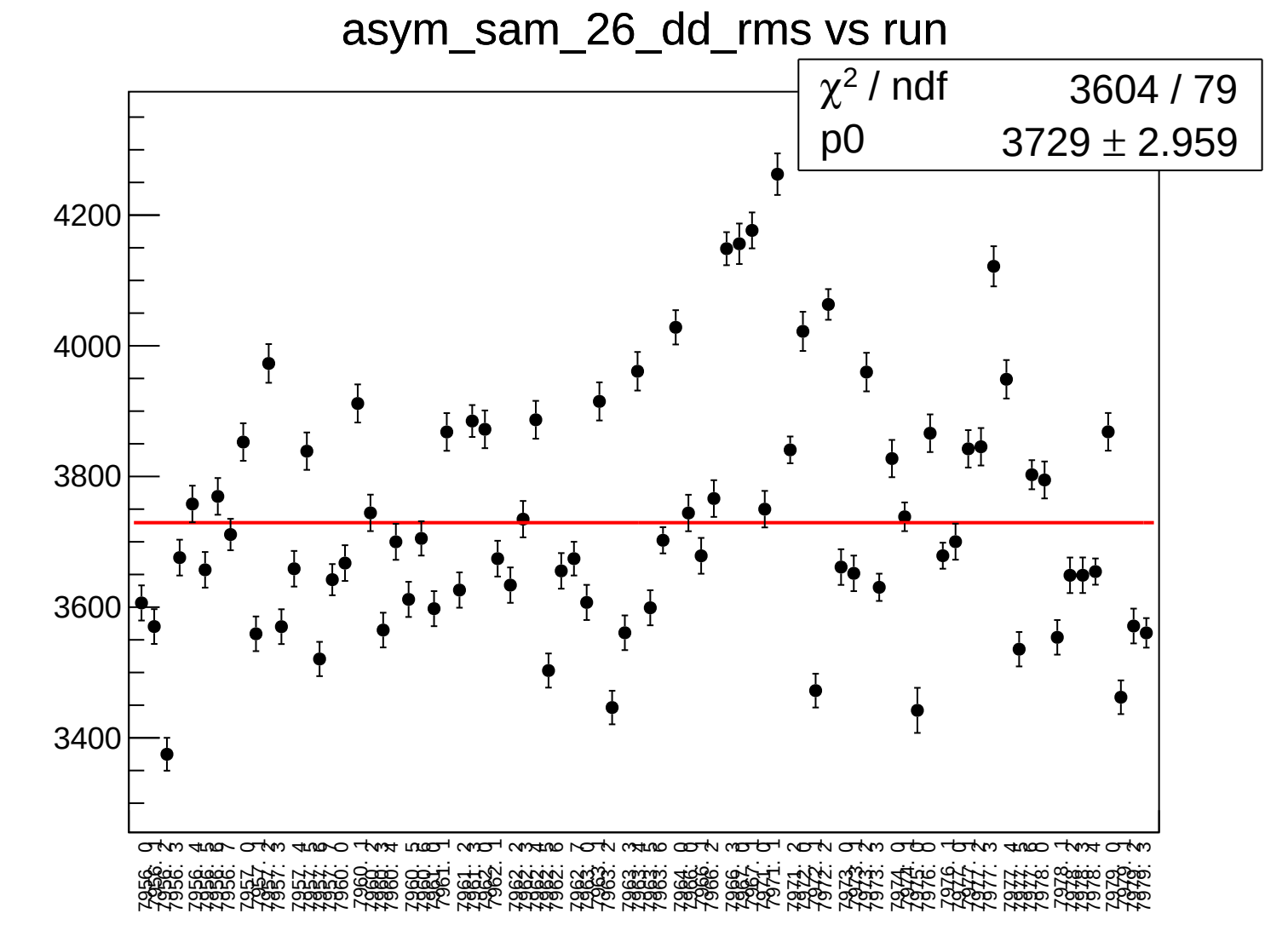

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 110.4 / 79
p0 4456 ± 4193
pull
Entries 80
Mean −1917
Std Dev 1961

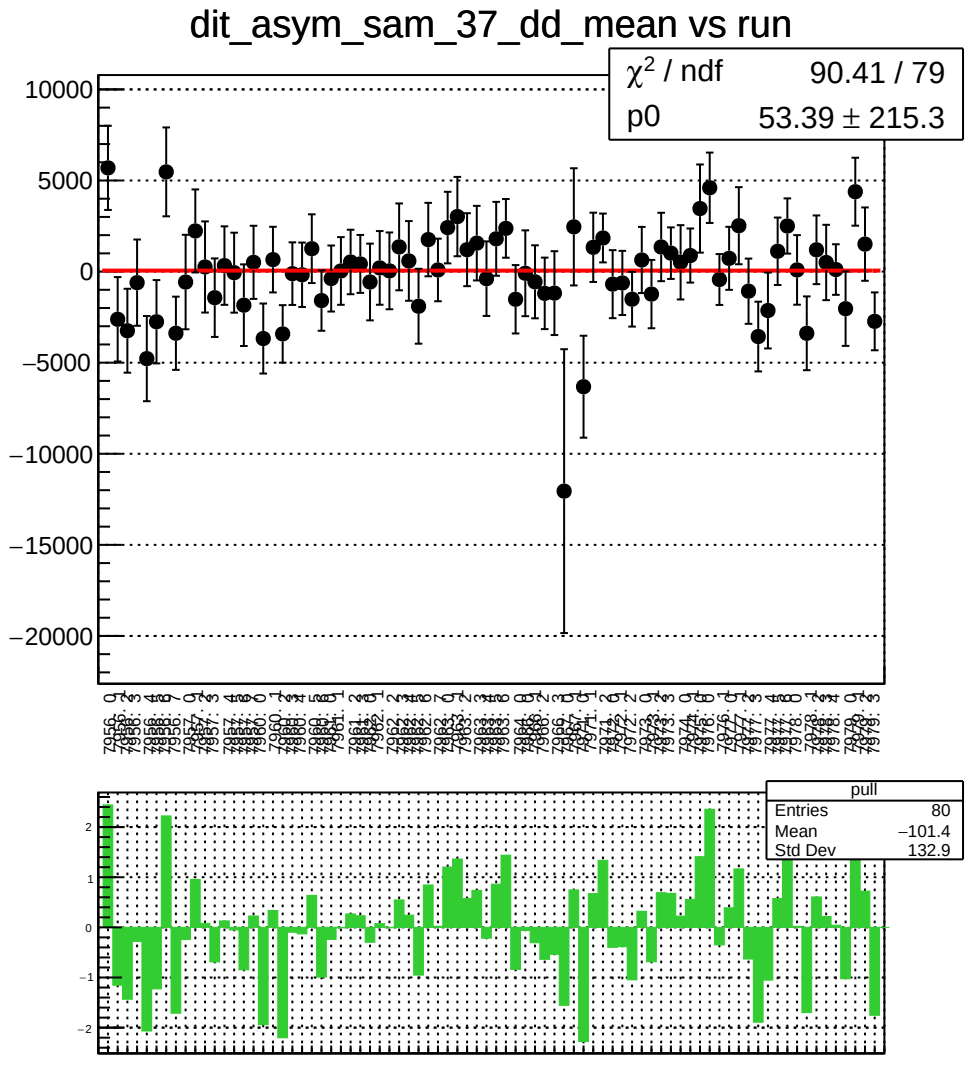

pull1D
Entries 80
Mean −0.002498
Std Dev 1.175

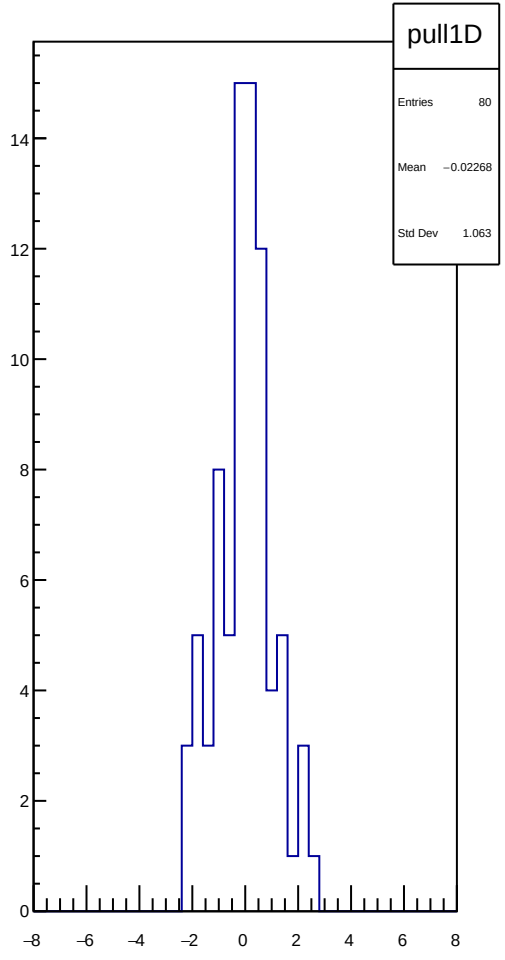

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3373 / 79
p0 3736 ± 2.965
4200
4000
3800
3600
3400

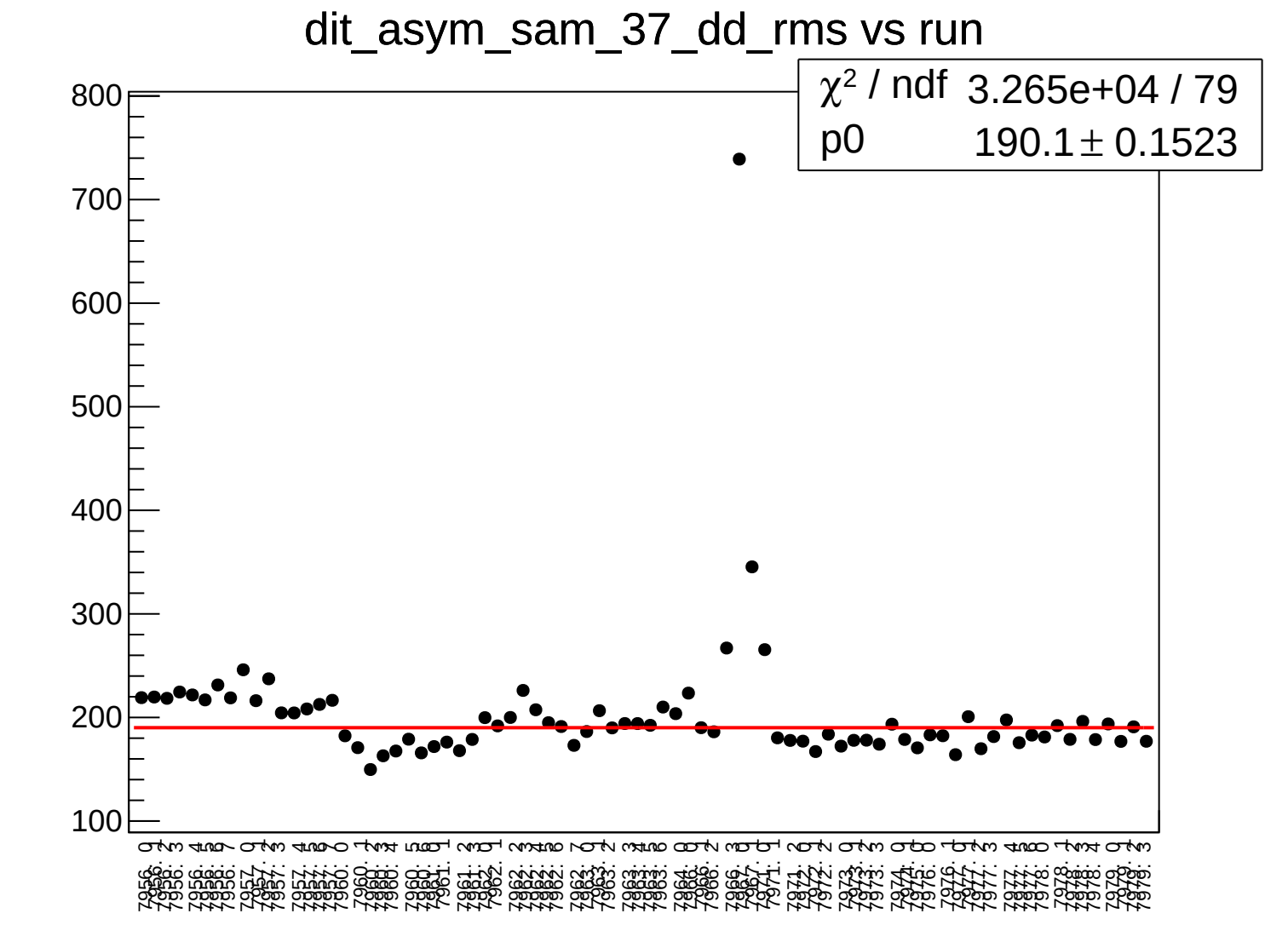

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 110.9 / 79
p0 −4237 ± 4185
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 80
Mean −1763
Std Dev 1806
3
2
1
0
−1
−2
−3
−4
−5

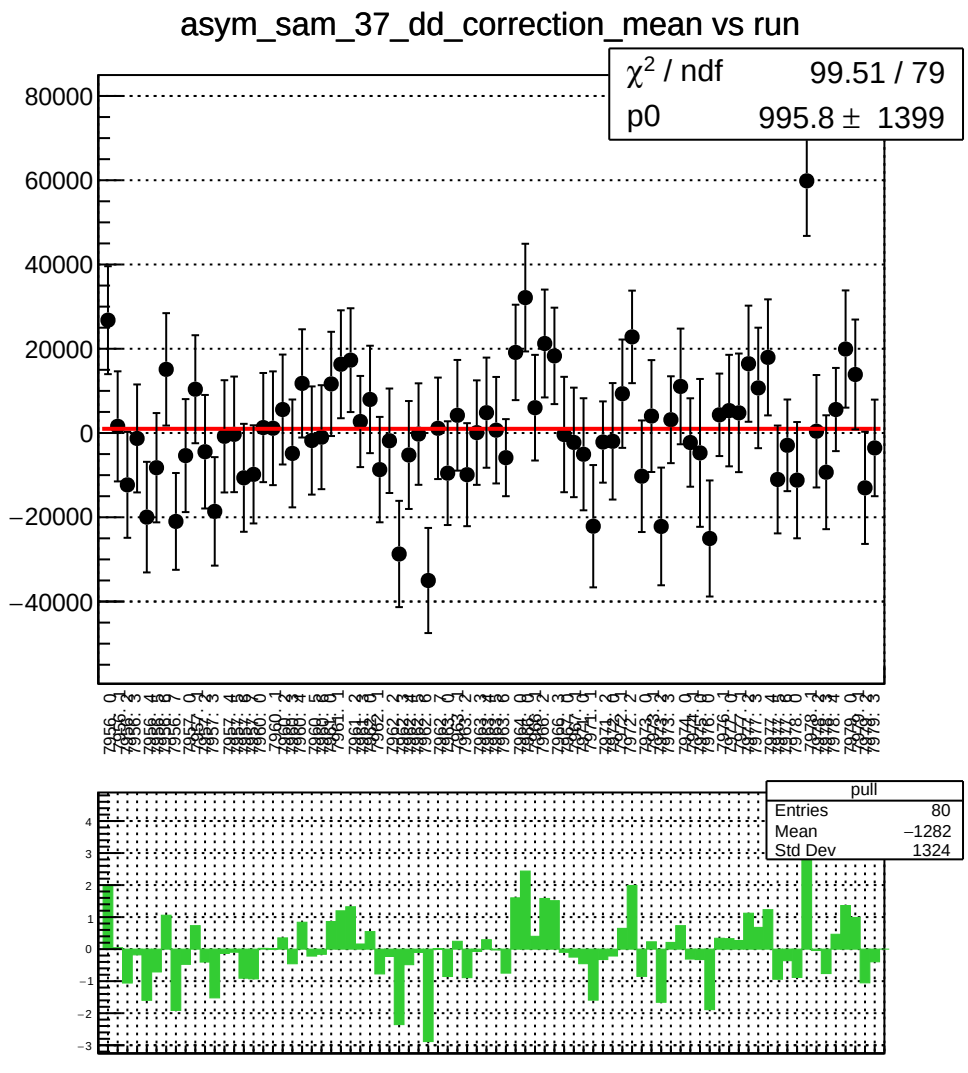

pull1D
Entries 80
Mean 0.002695
Std Dev 1.177
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

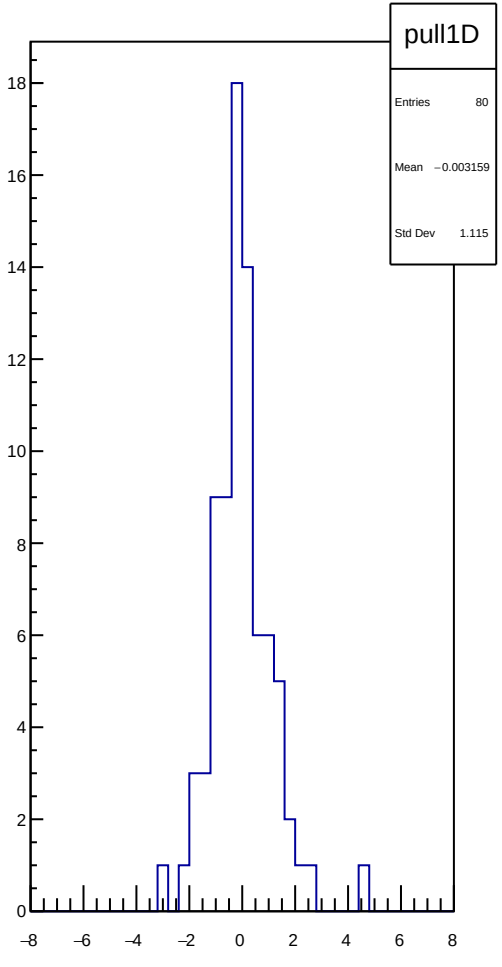

asym_sam_26_dd_rms vs run
χ² / ndf 3604 / 79
p0 3729 ± 2.959
4200
4000
3800
3600
3400

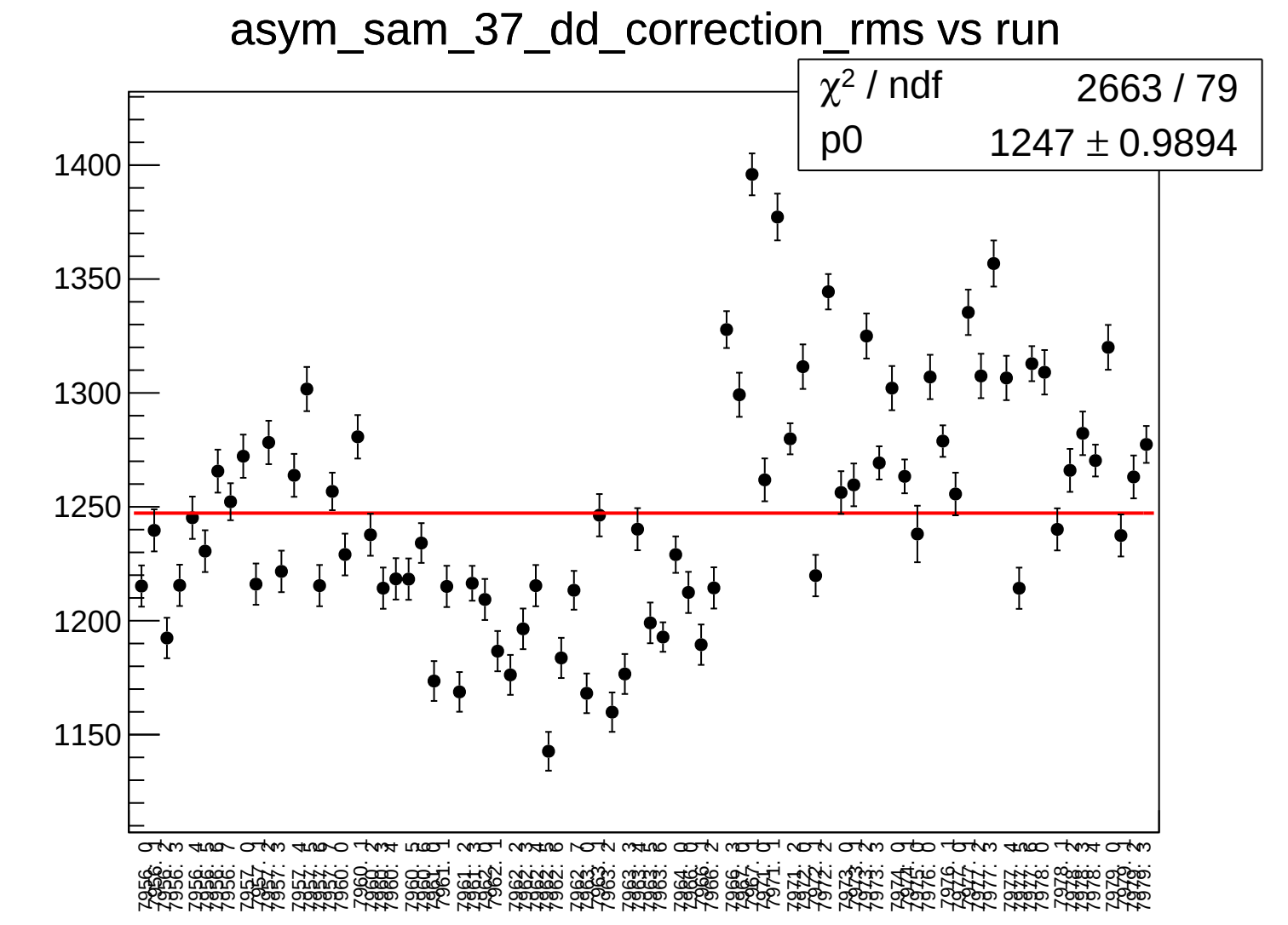

dit_asym_sam_37_dd_mean vs run
χ² / ndf 90.41 / 79
p0 53.39 ± 215.3
pull
Entries 80
Mean −101.4
Std Dev 132.9

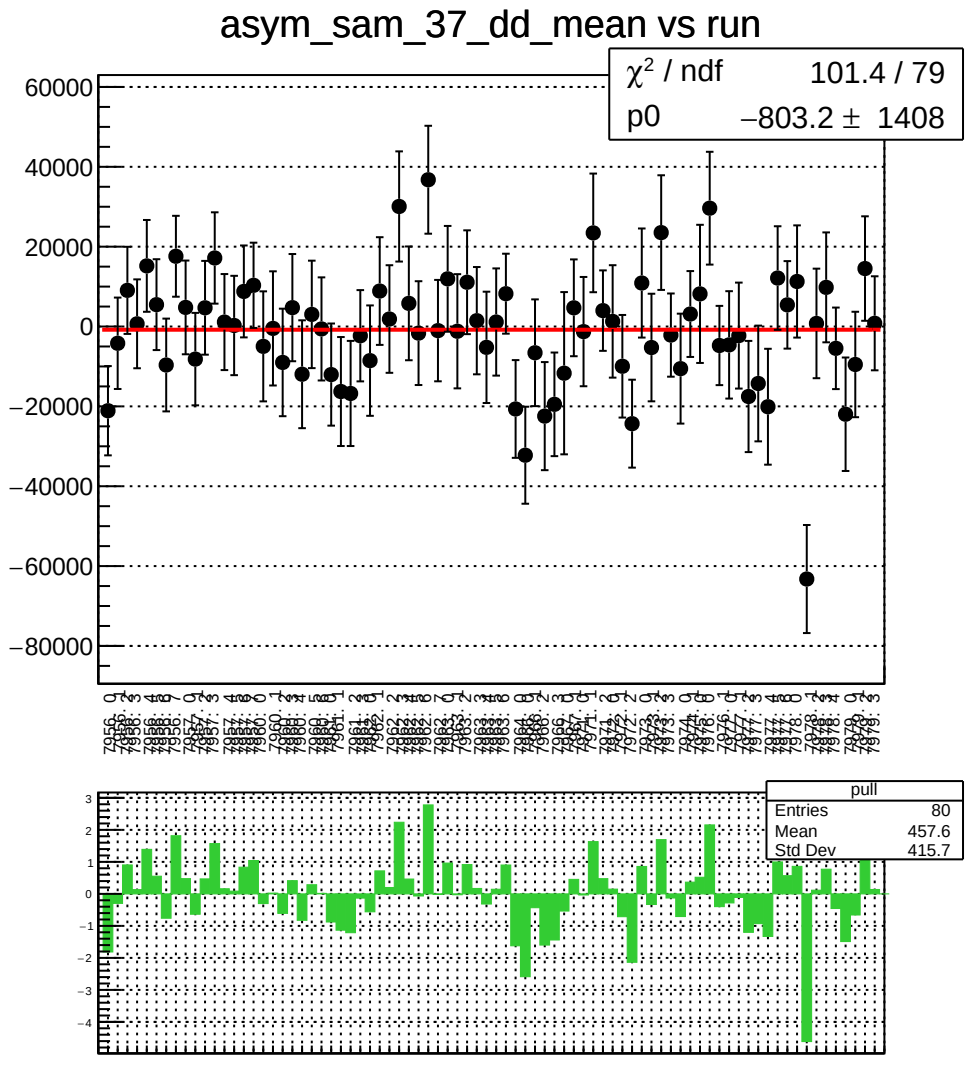

pull1D
Entries 80
Mean −0.02268
Std Dev 1.063

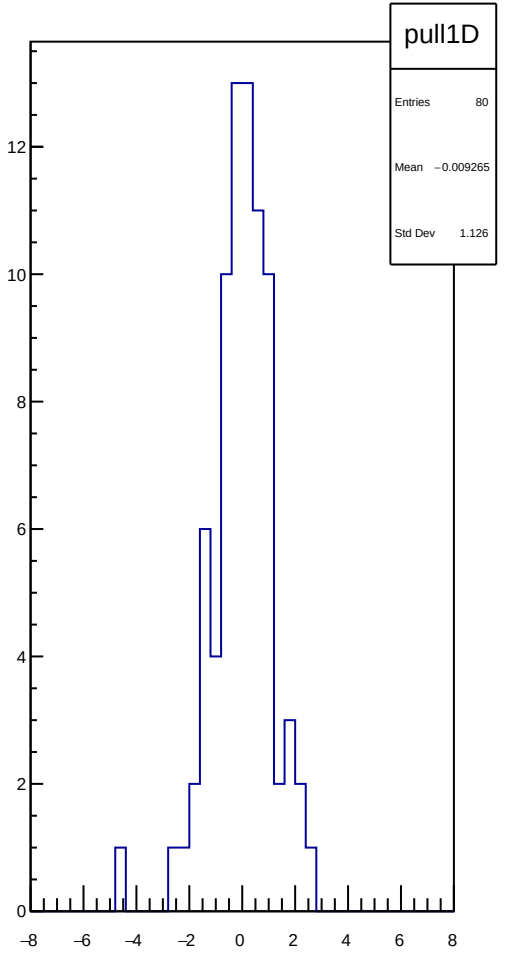

dit_asym_sam_37_dd_rms vs run
χ² / ndf 3.265e+04 / 79
p0 190.1 ± 0.1523
800
700
600
500
400
300
200
100

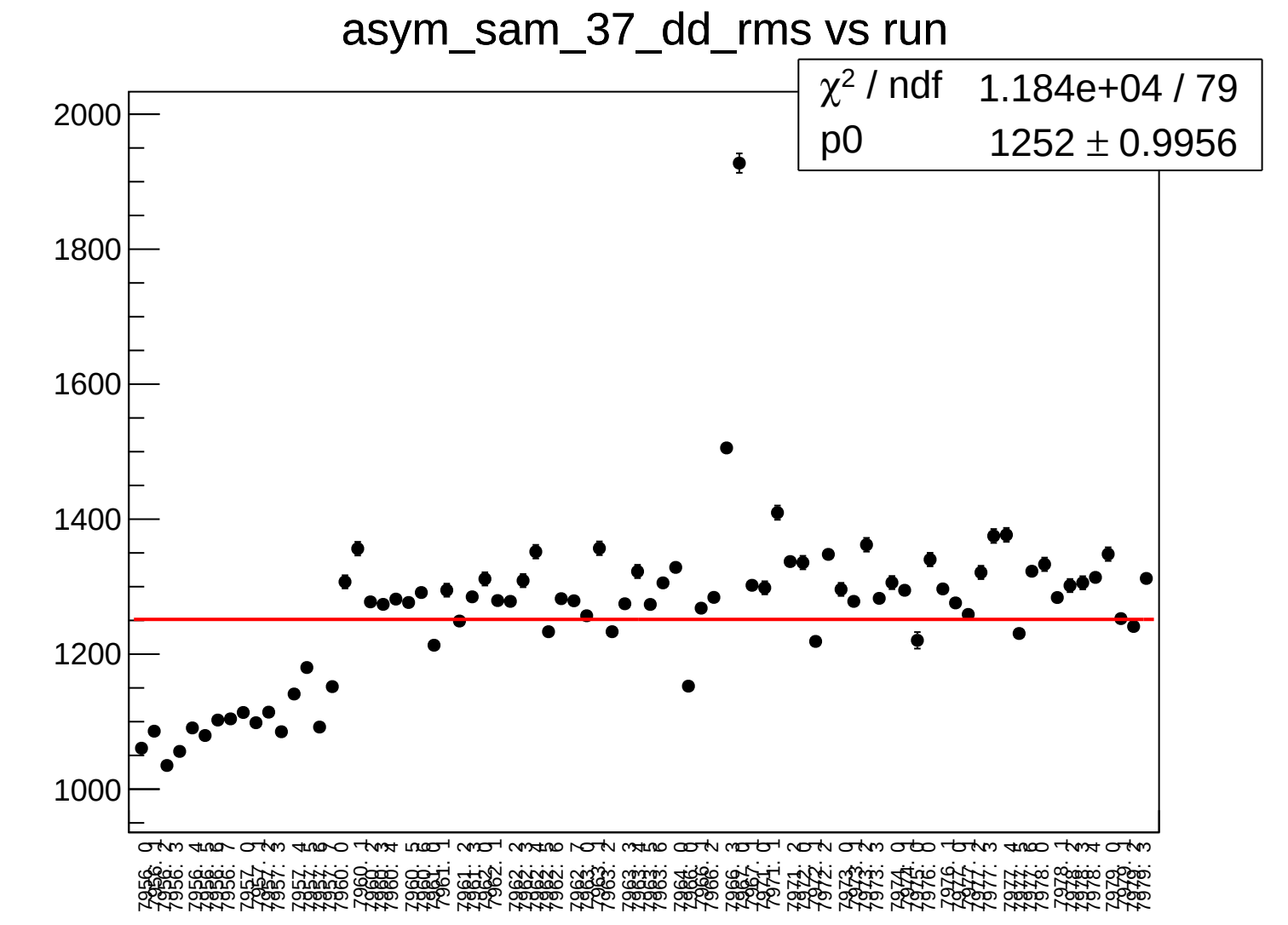

asym_sam_37_dd_correction_mean vs run
χ² / ndf 99.51 / 79
p0 995.8 ± 1399
pull
Entries 80
Mean −1282
Std Dev 1324

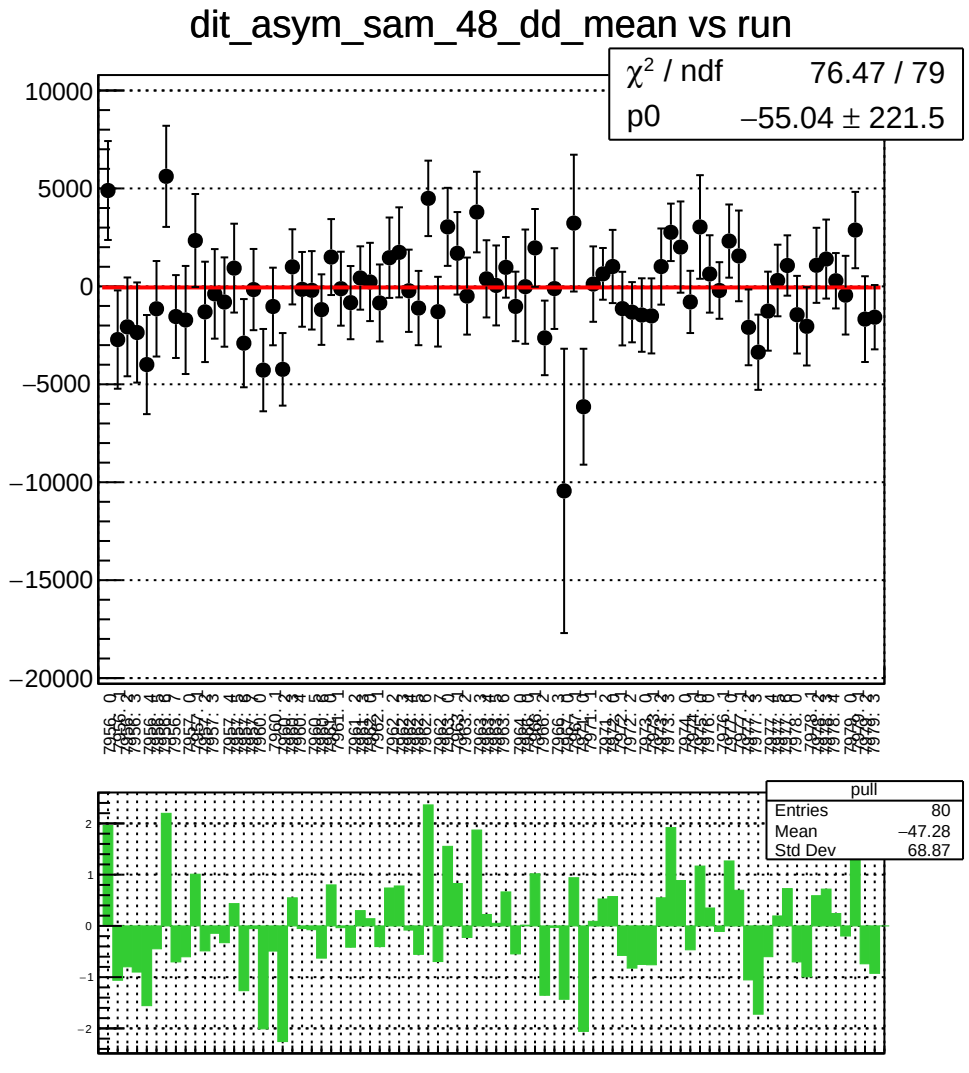

pull1D
Entries 80
Mean −0.003159
Std Dev 1.115

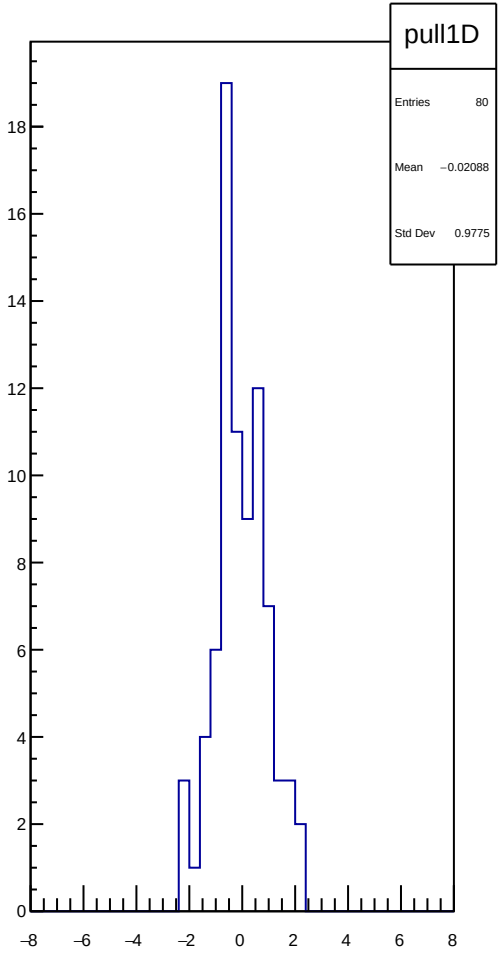

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2663 / 79
p0 1247 ± 0.9894
1400
1350
1300
1250
1200
1150

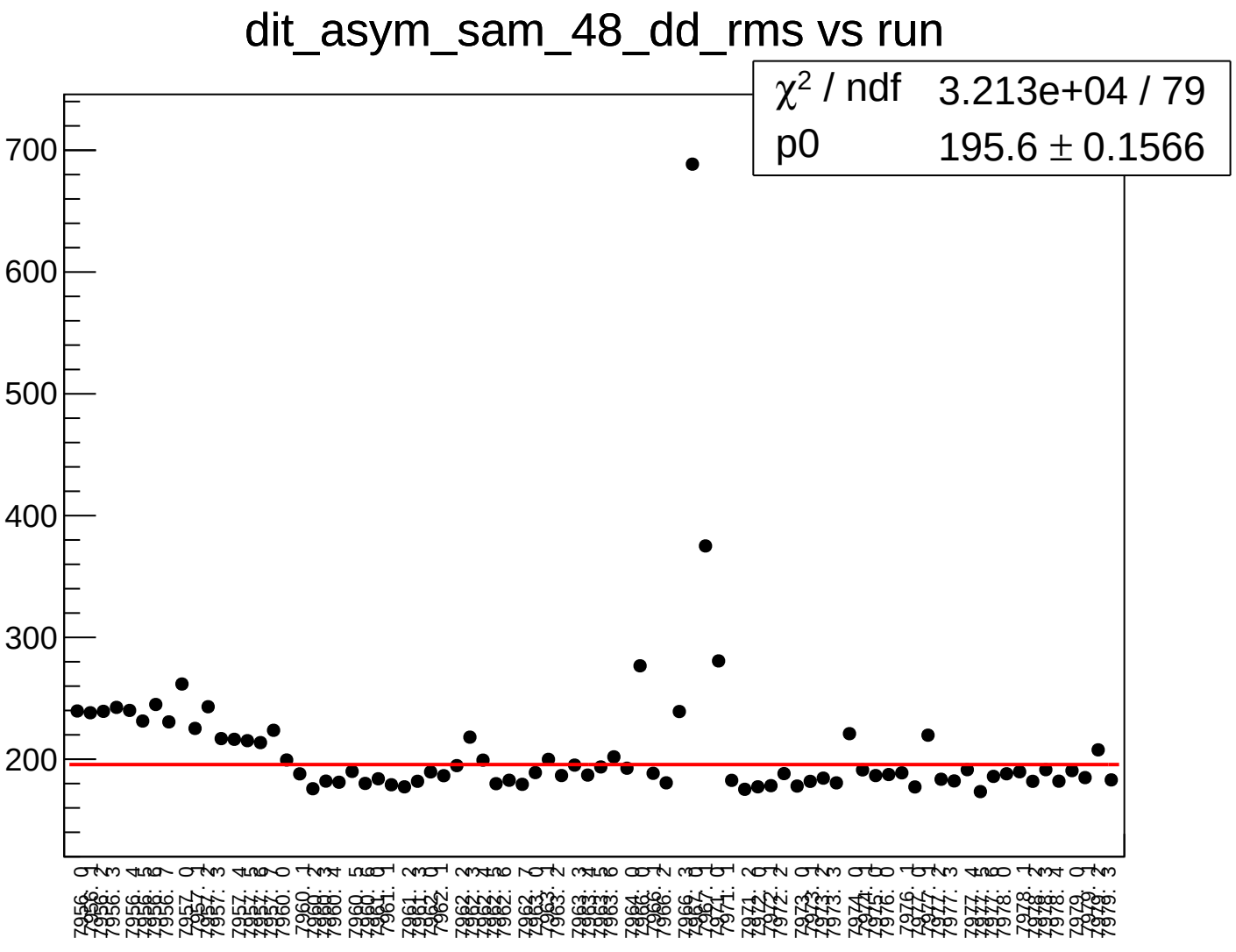

asym_sam_37_dd_mean vs run
χ² / ndf 101.4 / 79
p0 −803.2 ± 1408
pull
Entries 80
Mean 457.6
Std Dev 415.7

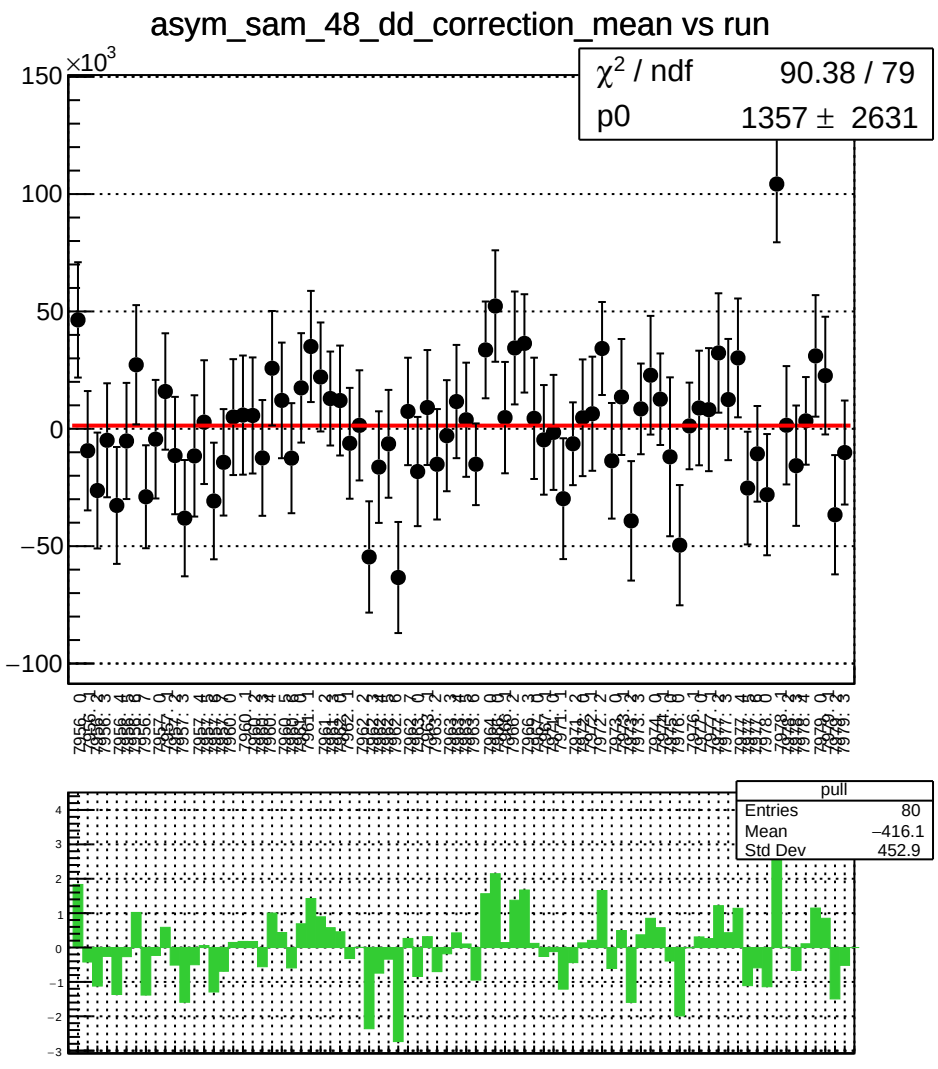

pull1D
Entries 80
Mean −0.009265
Std Dev 1.126

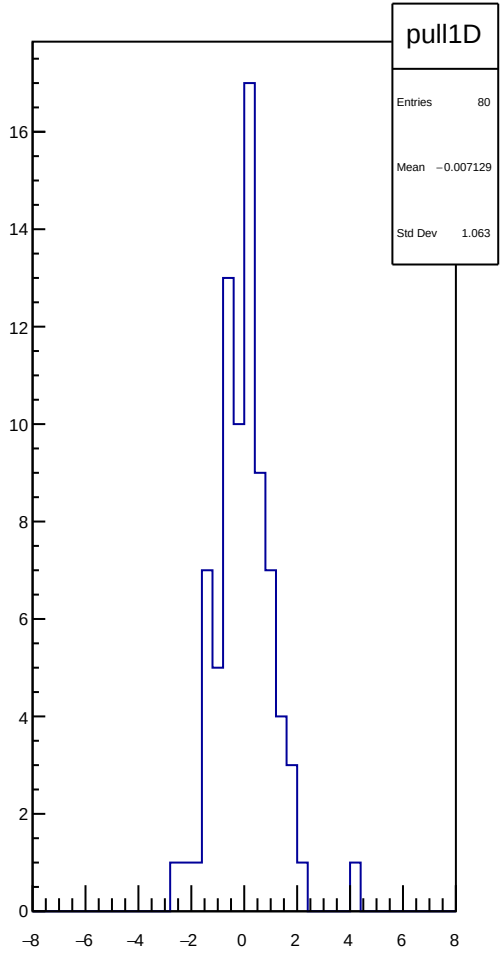

asym_sam_37_dd_rms vs run
χ² / ndf 1.184e+04 / 79
p0 1252 ± 0.9956
2000
1800
1600
1400
1200
1000

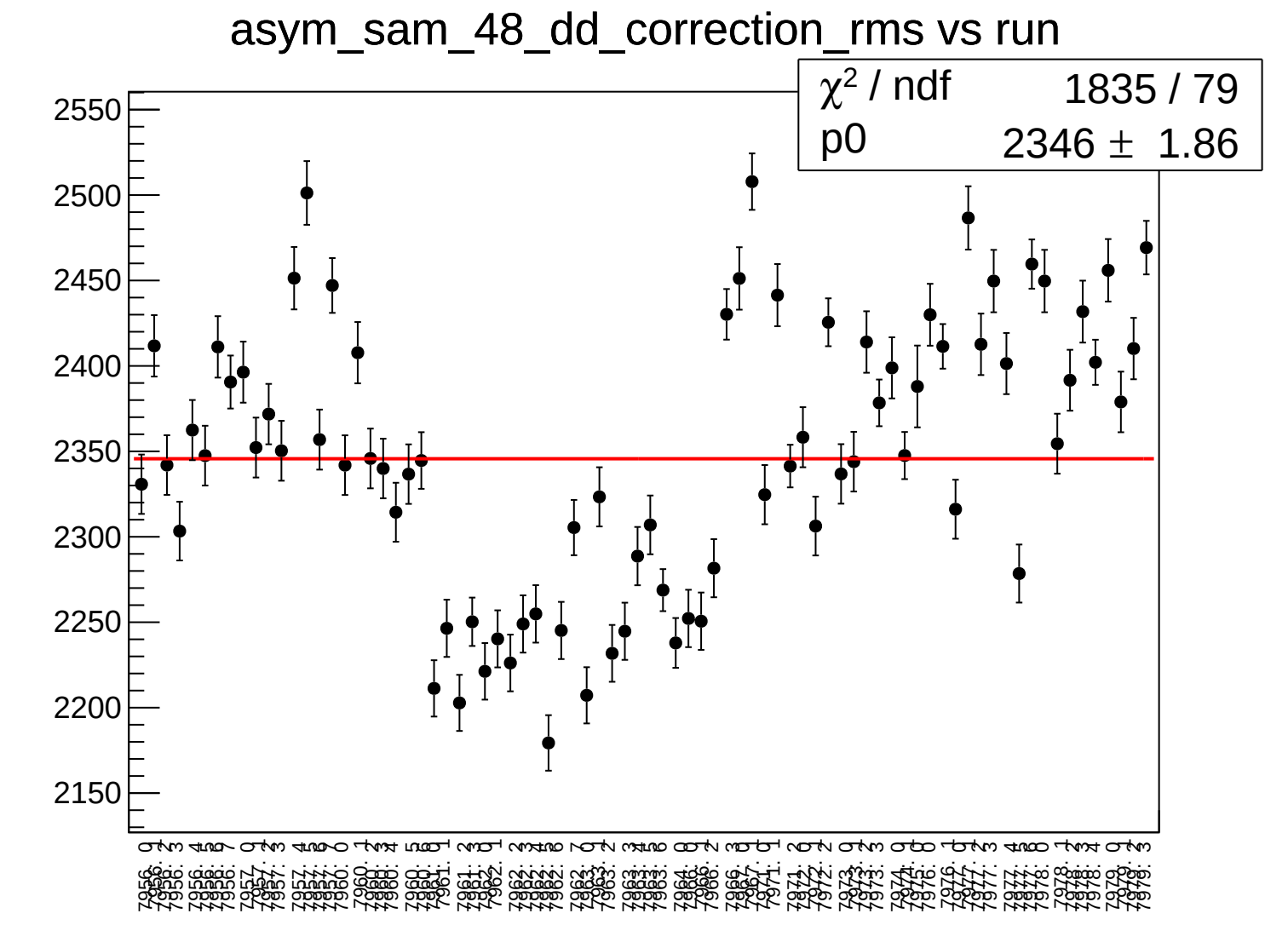

dit_asym_sam_48_dd_mean vs run
χ² / ndf 76.47 / 79
p0 −55.04 ± 221.5
pull
Entries 80
Mean −47.28
Std Dev 68.87

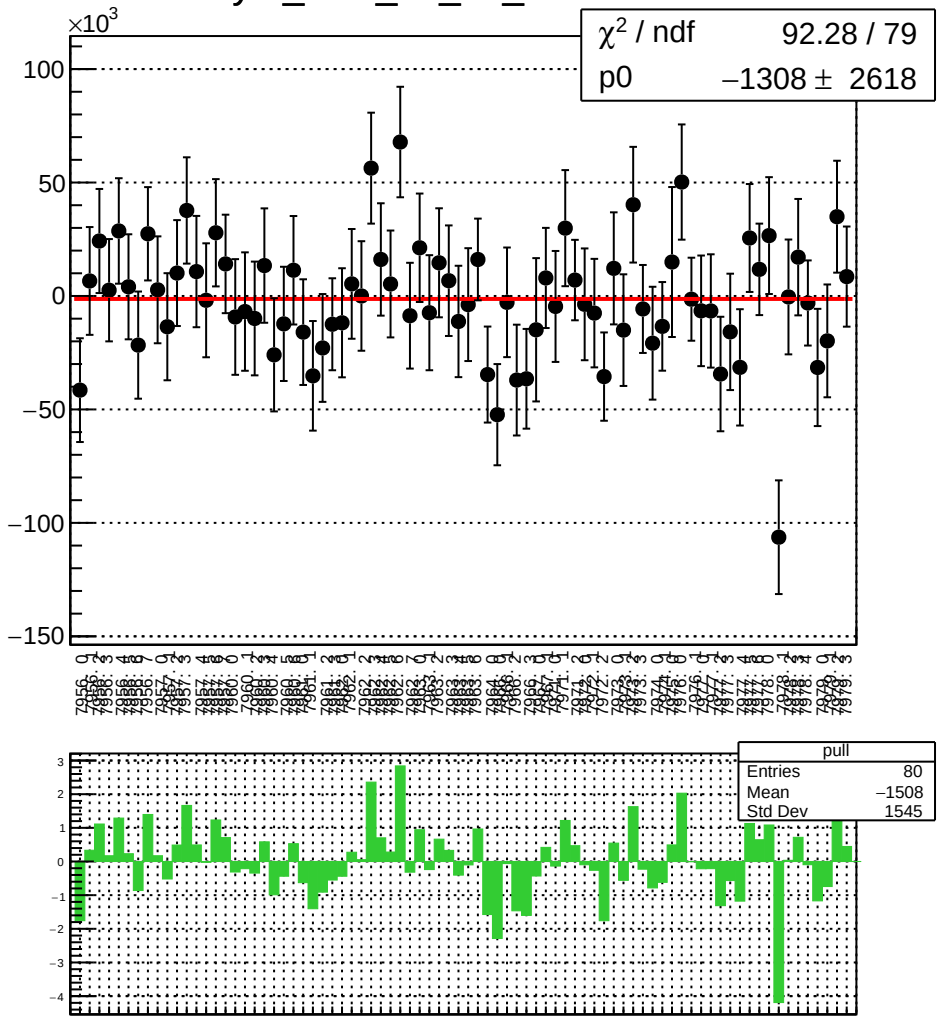

pull1D
Entries 80
Mean −0.02088
Std Dev 0.9775

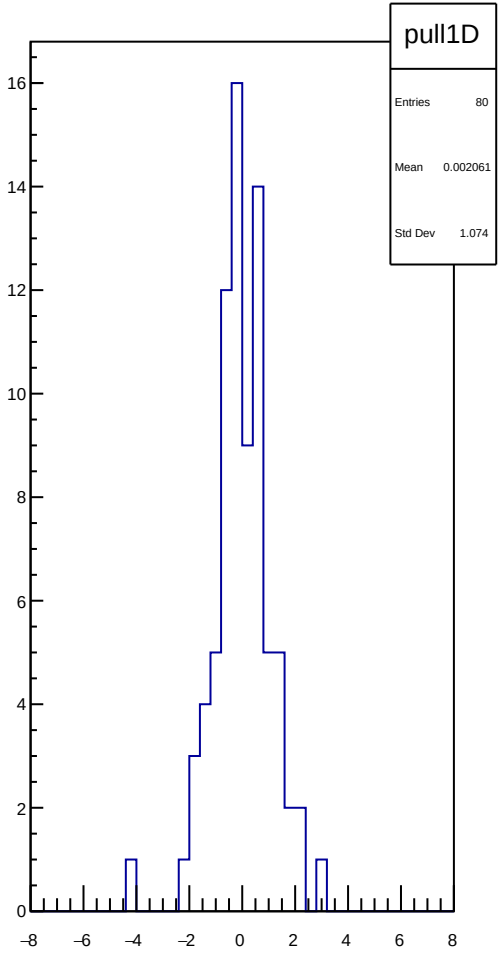

dit_asym_sam_48_dd_rms vs run
χ² / ndf 3.213e+04 / 79
p0 195.6 ± 0.1566
700
600
500
400
300
200

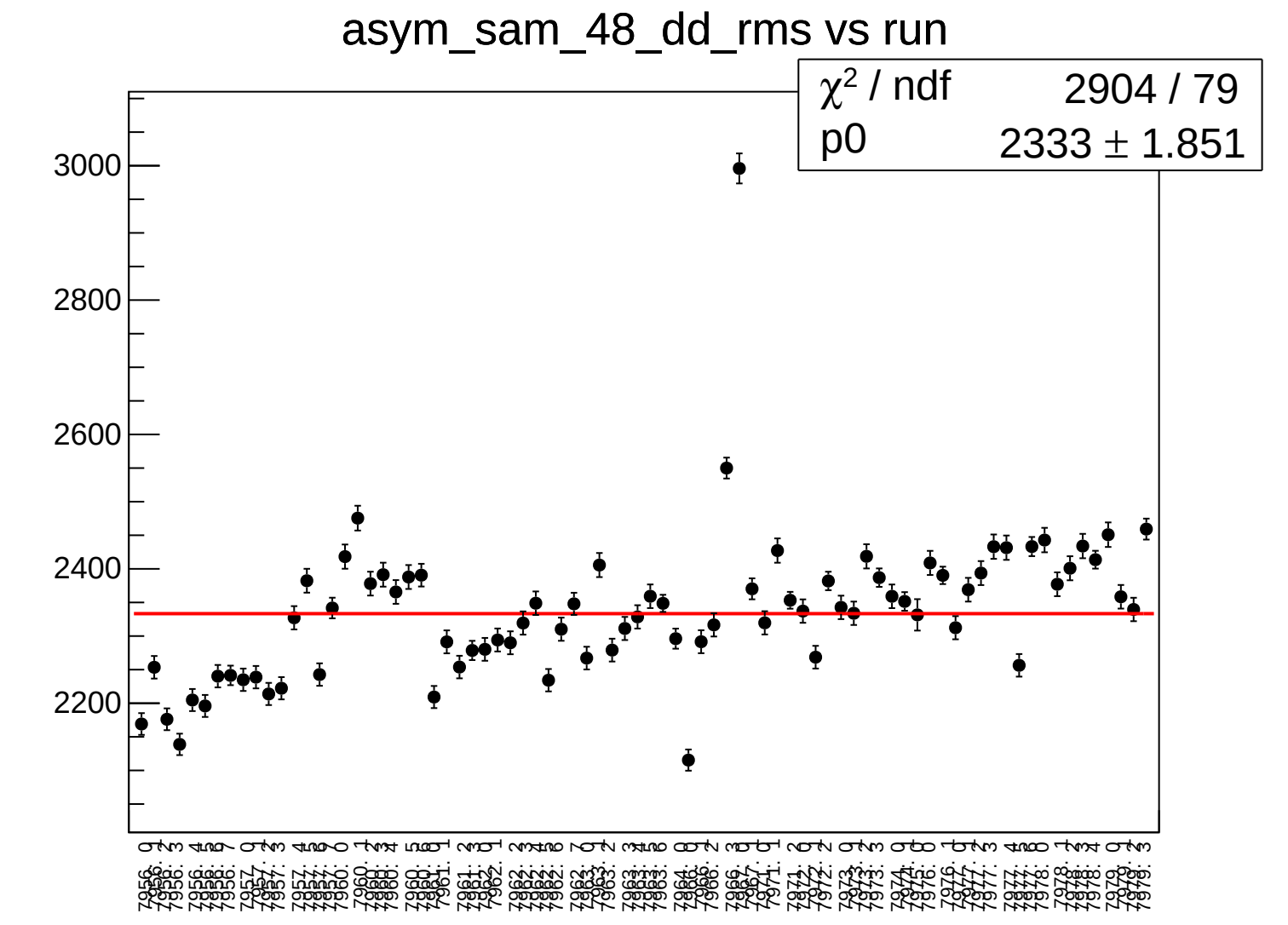

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 90.38 / 79
p0 1357 ± 2631
150
100
50
0
−50
−100
pull
Entries 80
Mean −416.1
Std Dev 452.9
4
3
2
1
0
−1
−2
−3

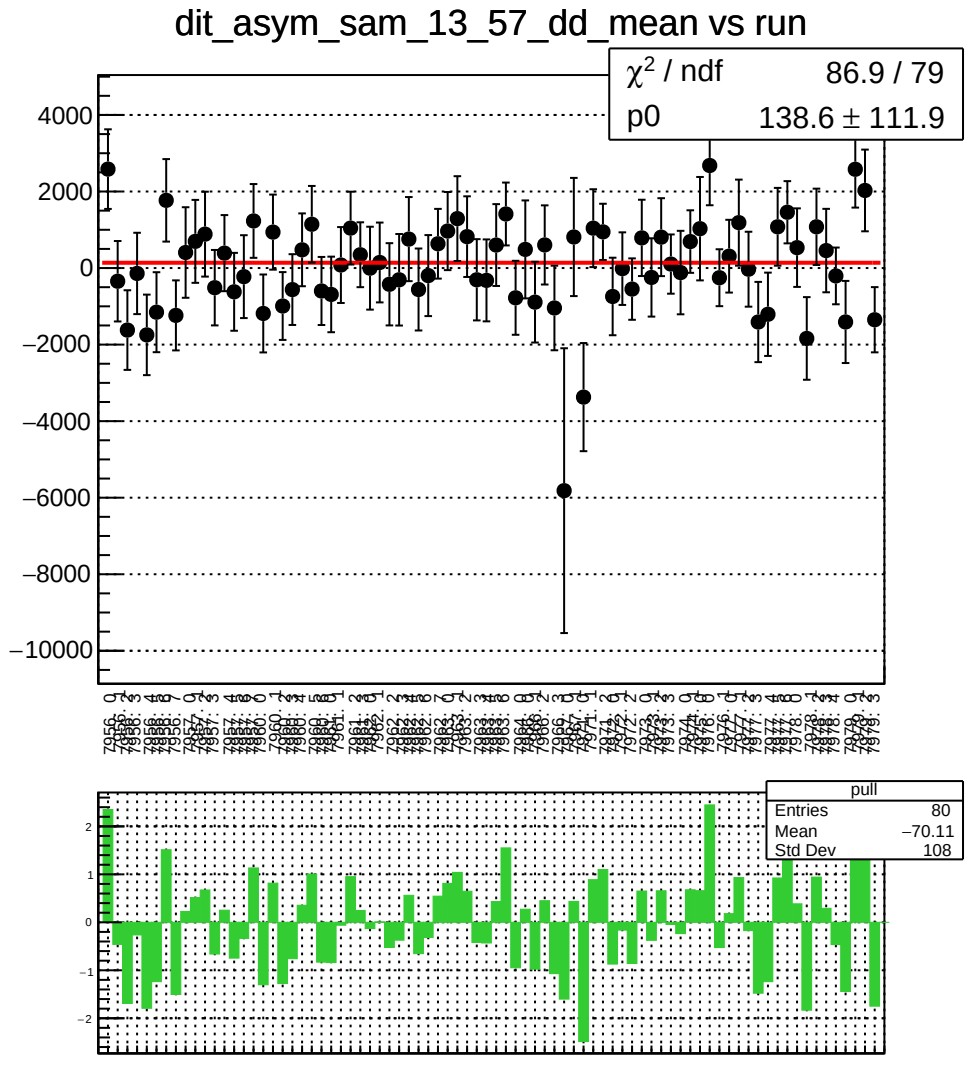

pull1D
Entries 80
Mean −0.007129
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

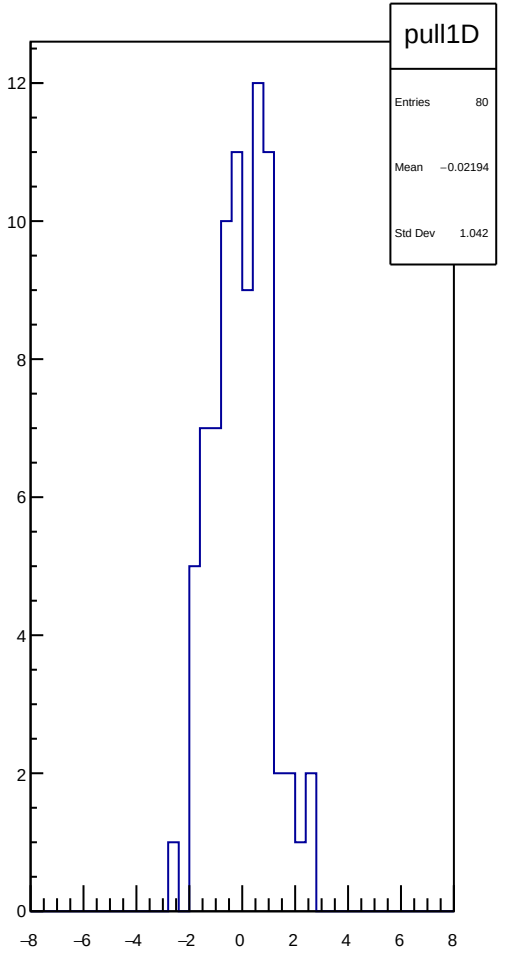

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1835 / 79
p0 2346 ± 1.86
2550
2500
2450
2400
2350
2300
2250
2200
2150

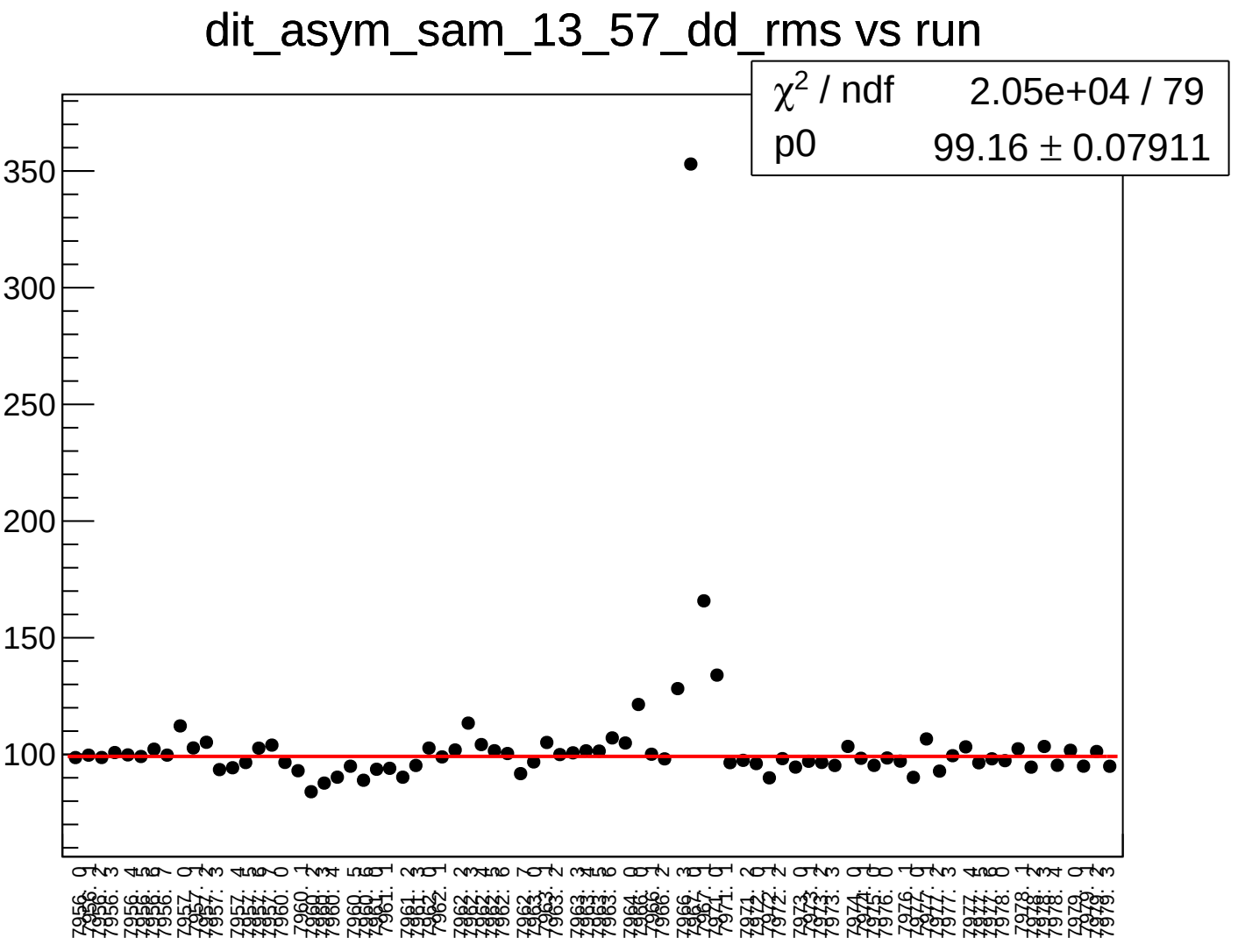

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 92.28 / 79
p0 −1308 ± 2618
100
50
0
−50
−100
−150
pull
Entries 80
Mean −1508
Std Dev 1545
3
2
1
0
−1
−2
−3
−4

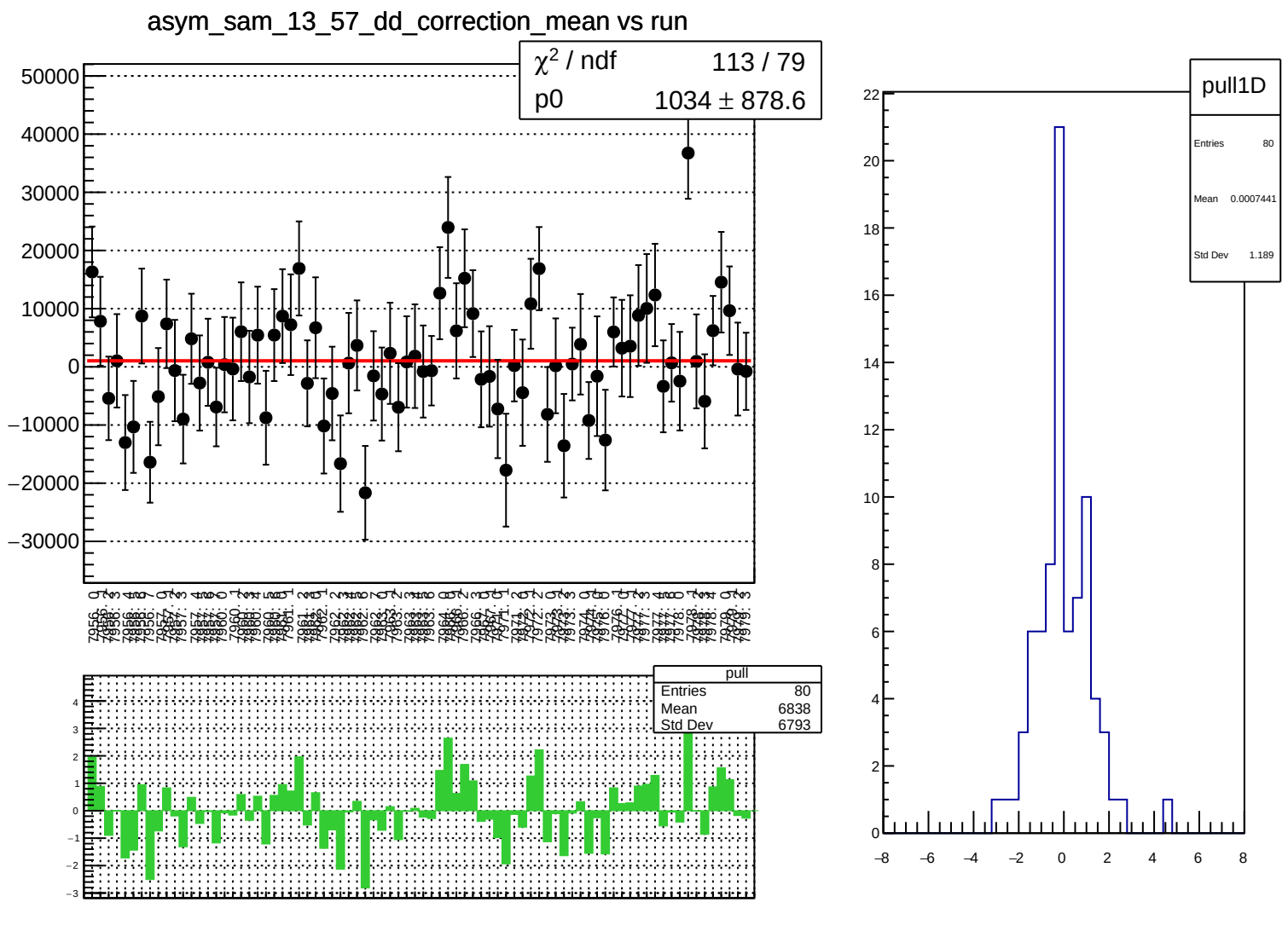

pull1D
Entries 80
Mean 0.002061
Std Dev 1.074
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

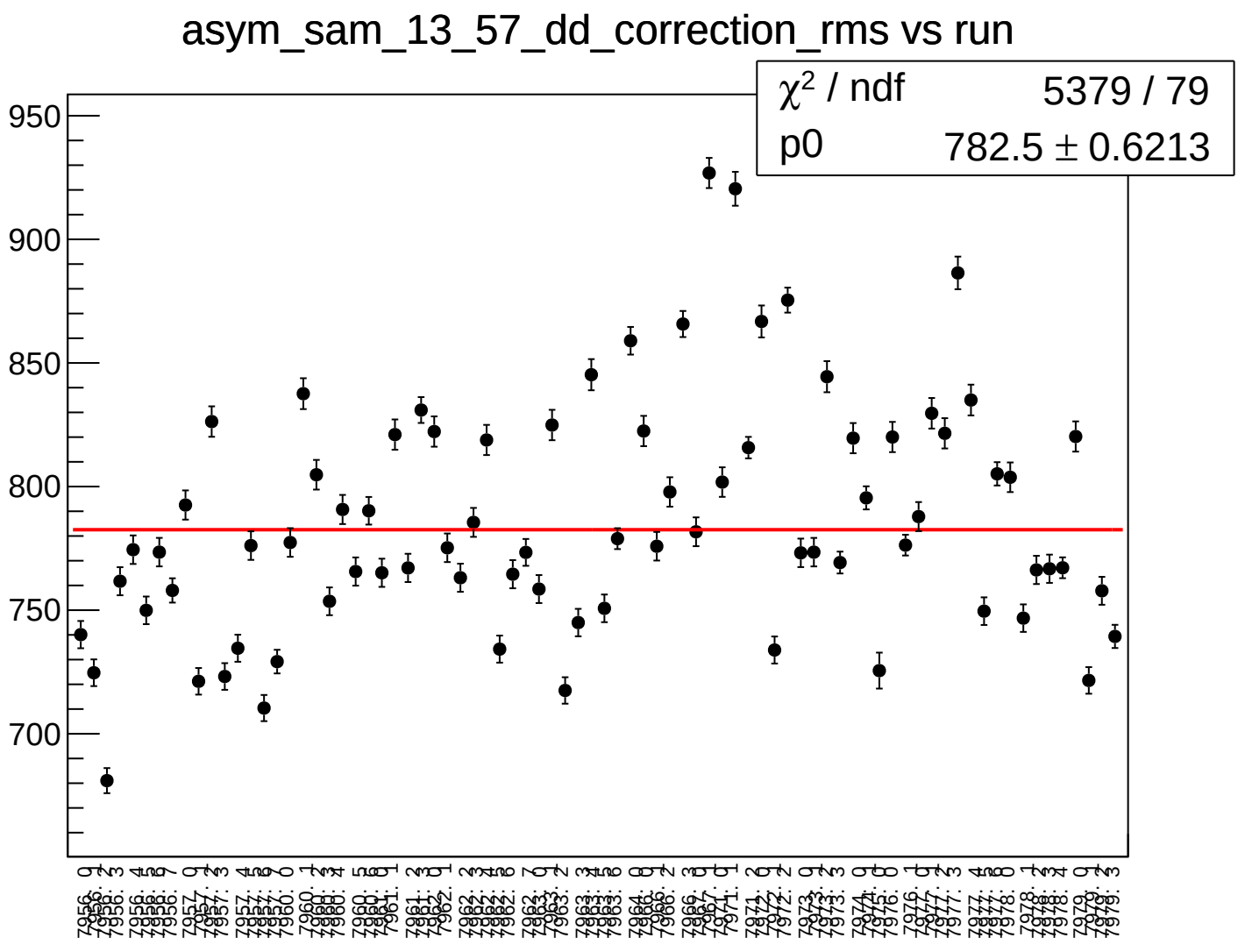

asym_sam_48_dd_rms vs run
χ^2 / ndf 2904 / 79
p0 2333 ± 1.851
3000
2800
2600
2400
2200

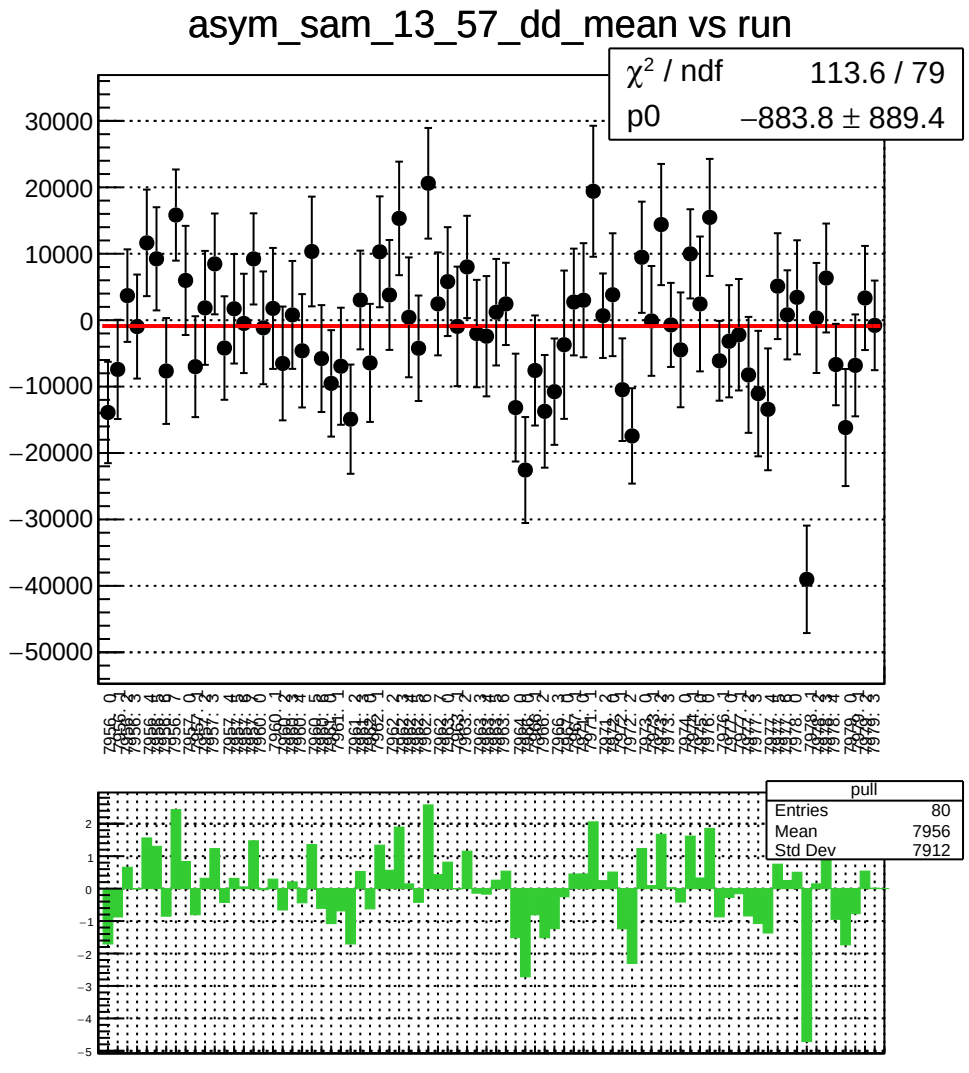

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 86.9 / 79
p0 138.6 ± 111.9
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 80
Mean −70.11
Std Dev 108
2
1
0
−1
−2

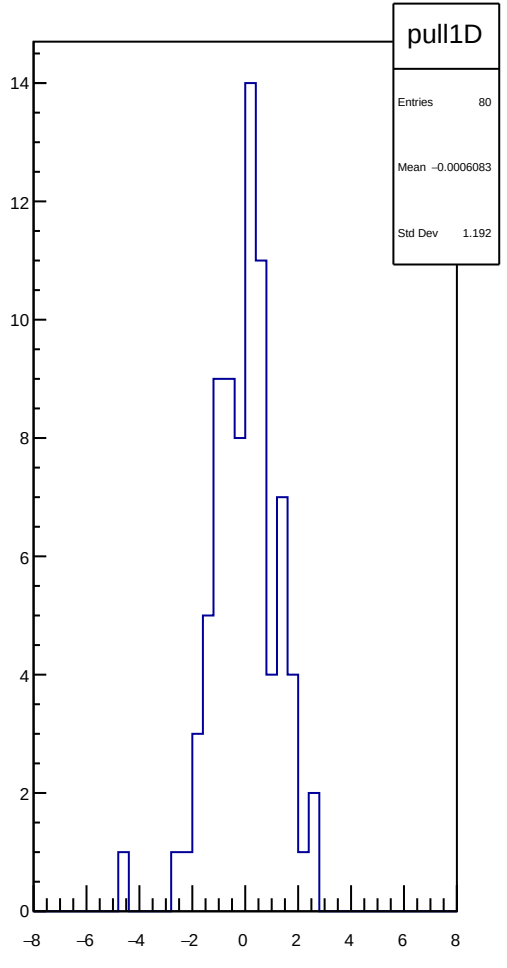

pull1D
Entries 80
Mean −0.02194
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

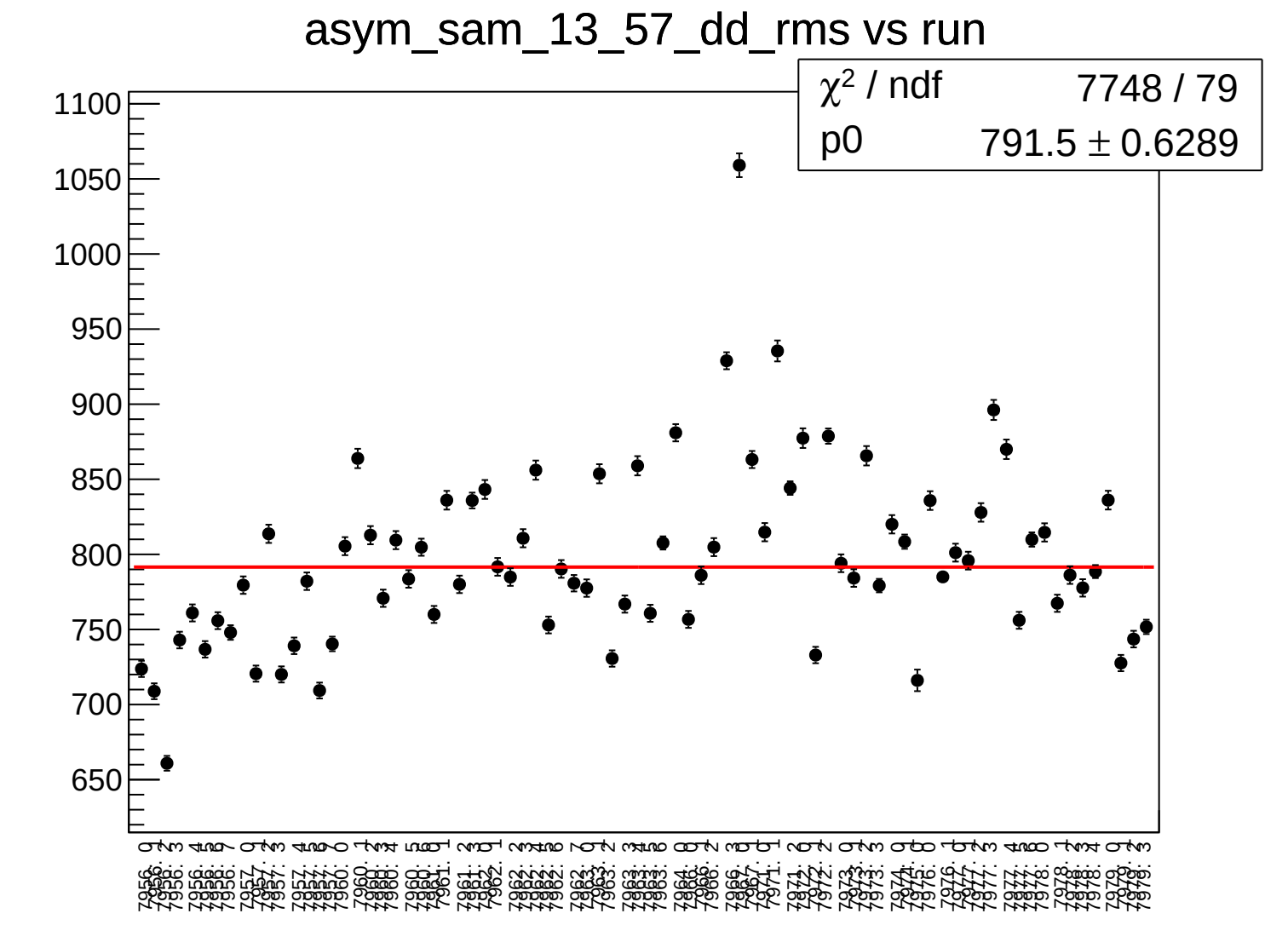

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2.05e+04 / 79
p0 99.16 ± 0.07911
350
300
250
200
150
100

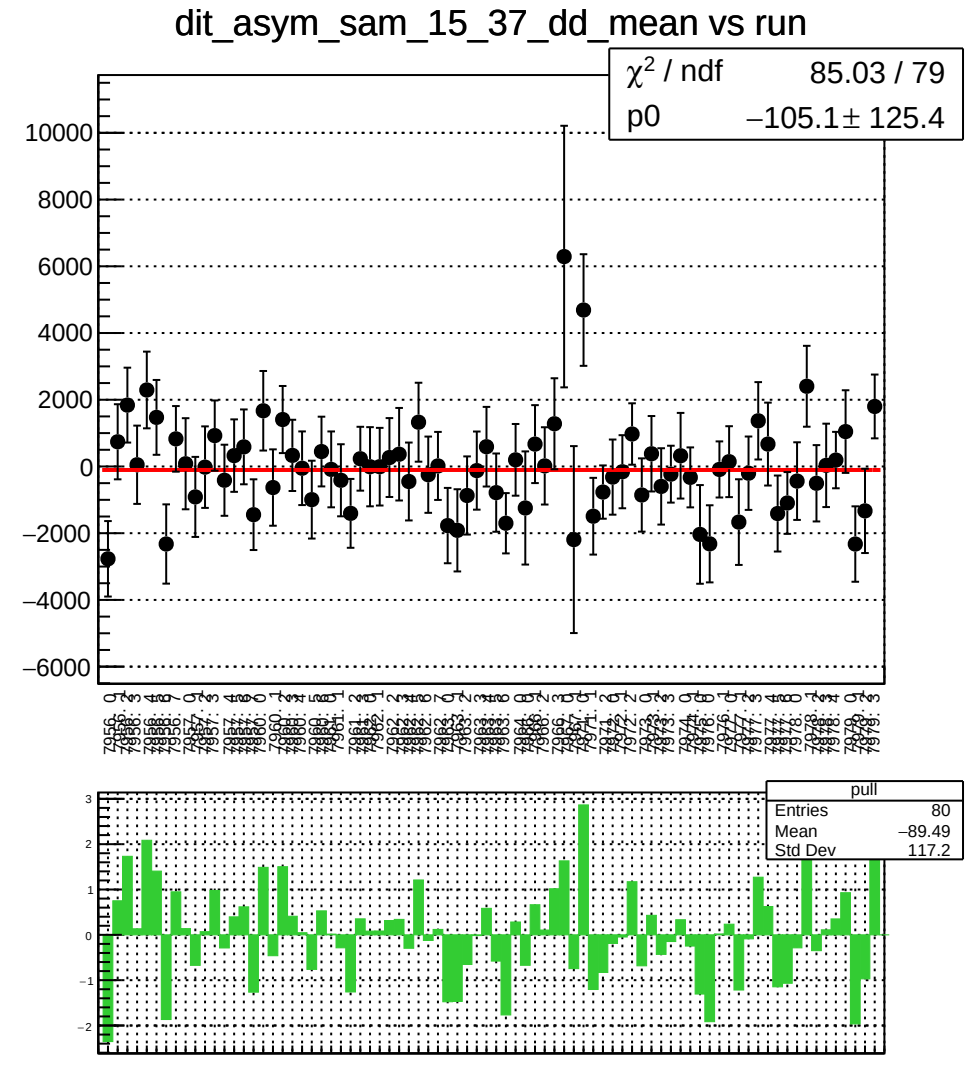

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 113 / 79
p0 1034 ± 878.6
pull
Entries 80
Mean 6838
Std Dev 6793
pull1D
Entries 80
Mean 0.0007441
Std Dev 1.189

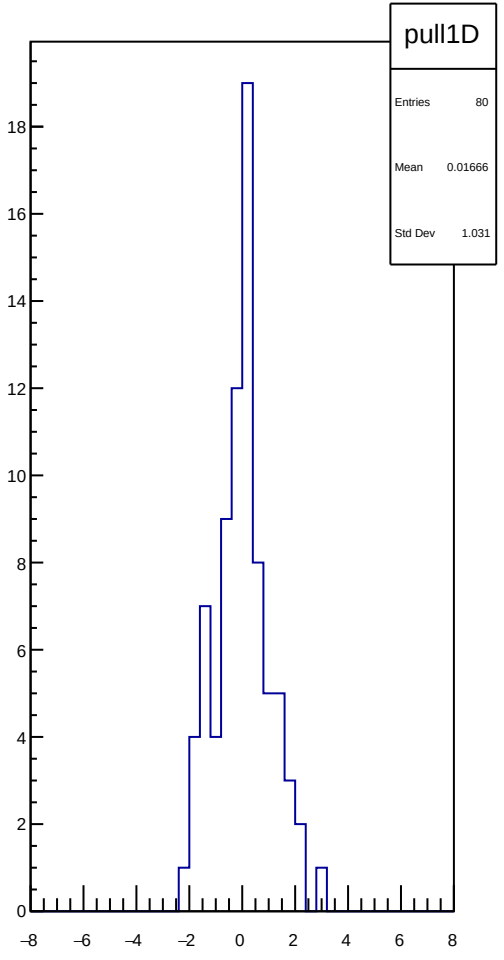

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 5379 / 79
p0 782.5 ± 0.6213
950
900
850
800
750
700

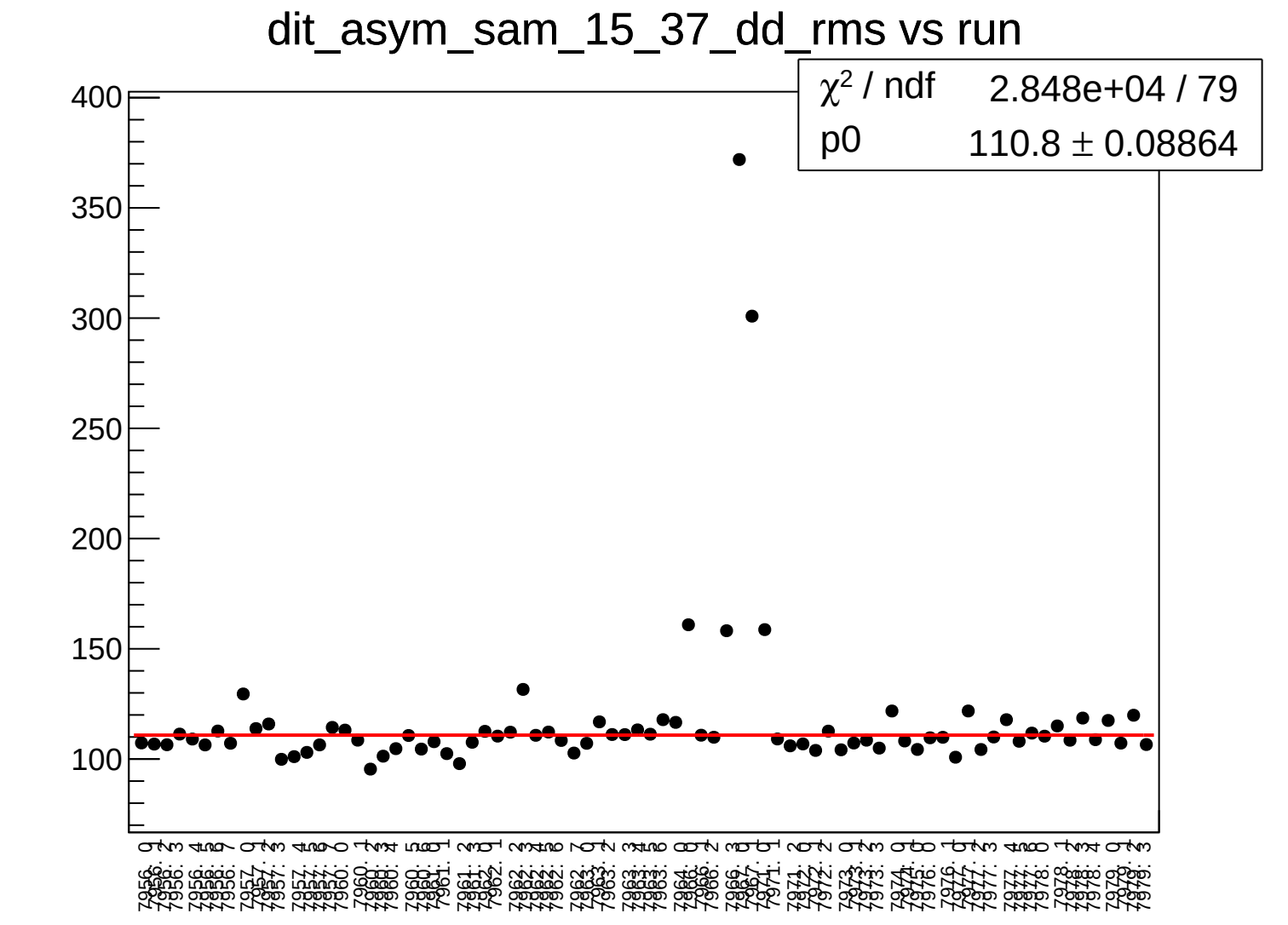

asym_sam_13_57_dd_mean vs run
χ² / ndf 113.6 / 79
p0 −883.8 ± 889.4
pull
Entries 80
Mean 7956
Std Dev 7912

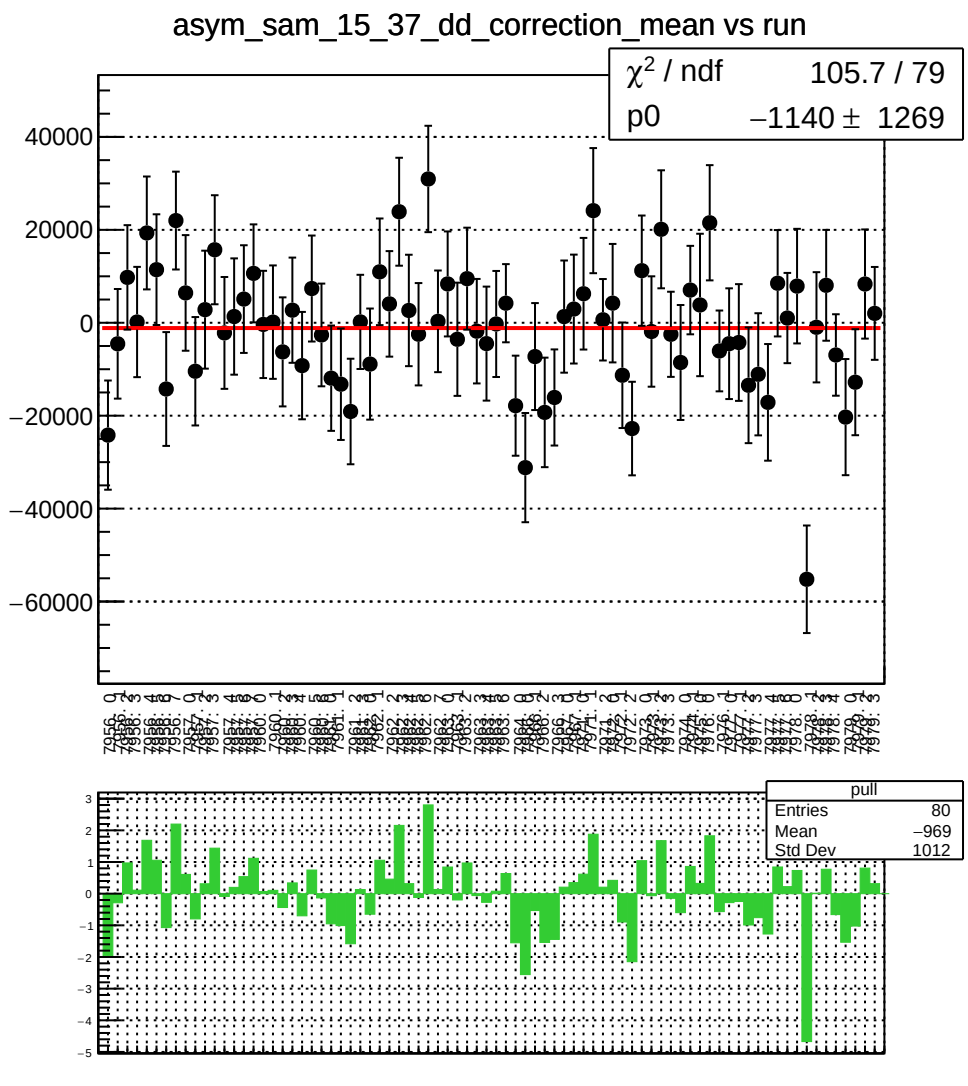

pull1D
Entries 80
Mean −0.0006083
Std Dev 1.192

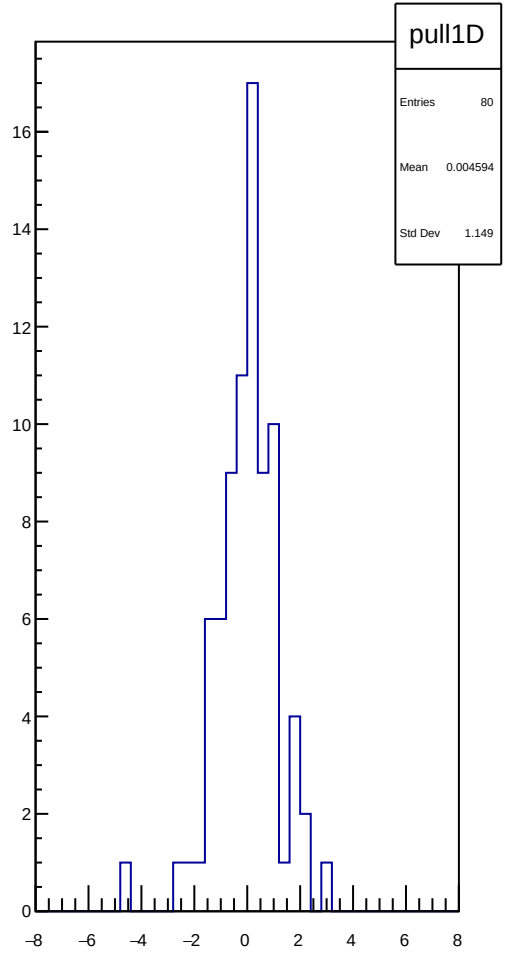

asym_sam_13_57_dd_rms vs run
χ² / ndf 7748 / 79
p0 791.5 ± 0.6289
1100
1050
1000
950
900
850
800
750
700
650

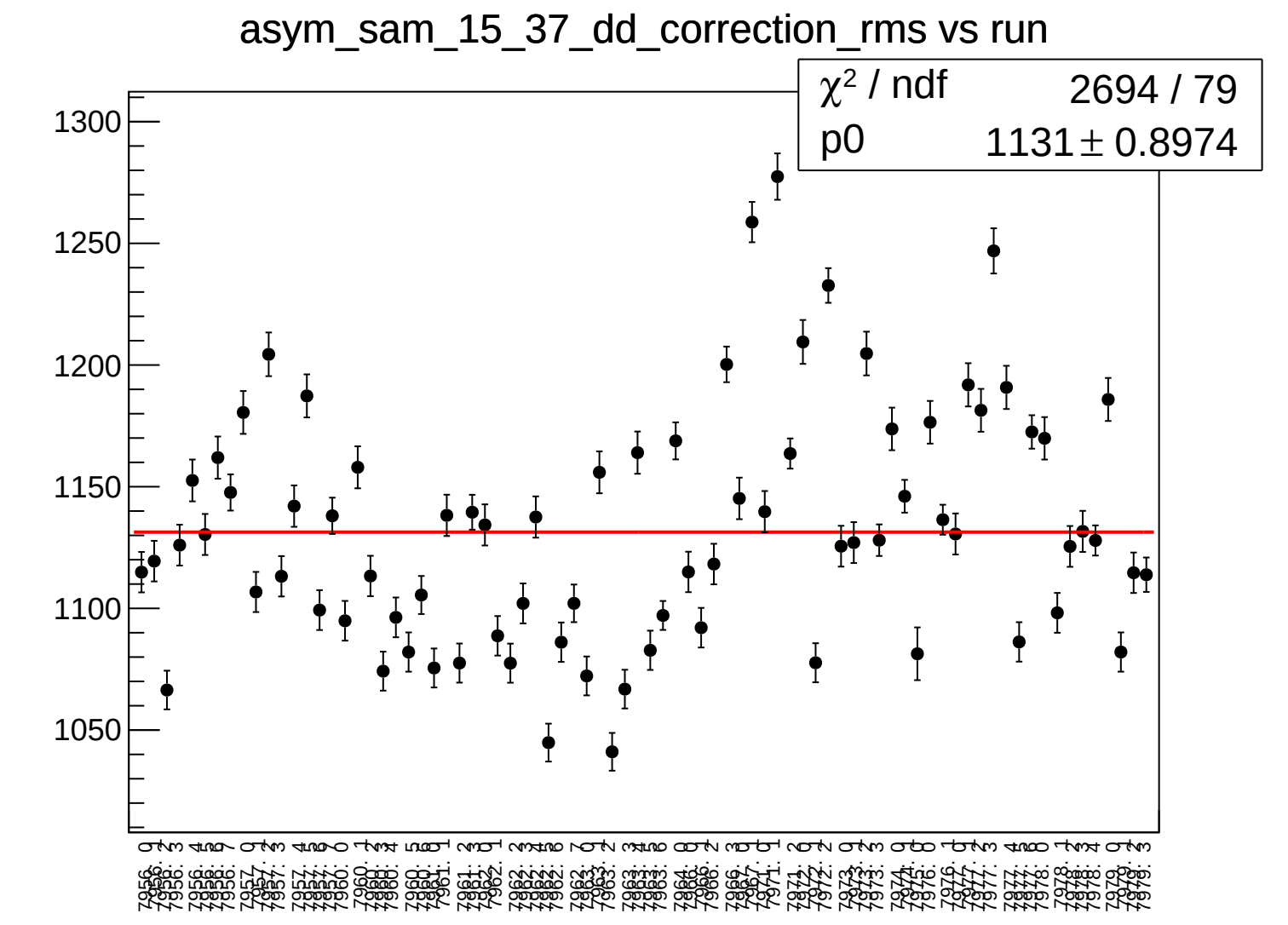

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 85.03 / 79
p0 −105.1± 125.4
pull
Entries 80
Mean −89.49
Std Dev 117.2

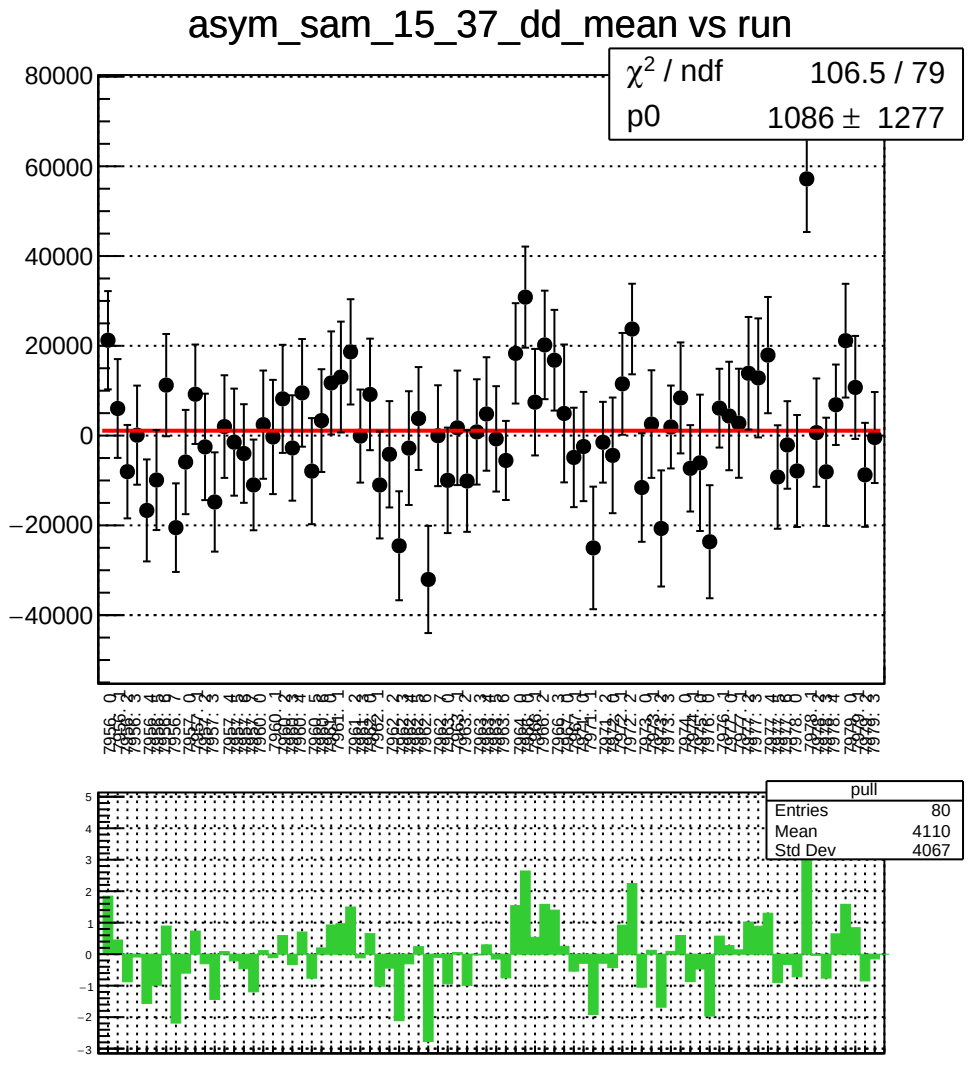

pull1D
Entries 80
Mean 0.01666
Std Dev 1.031

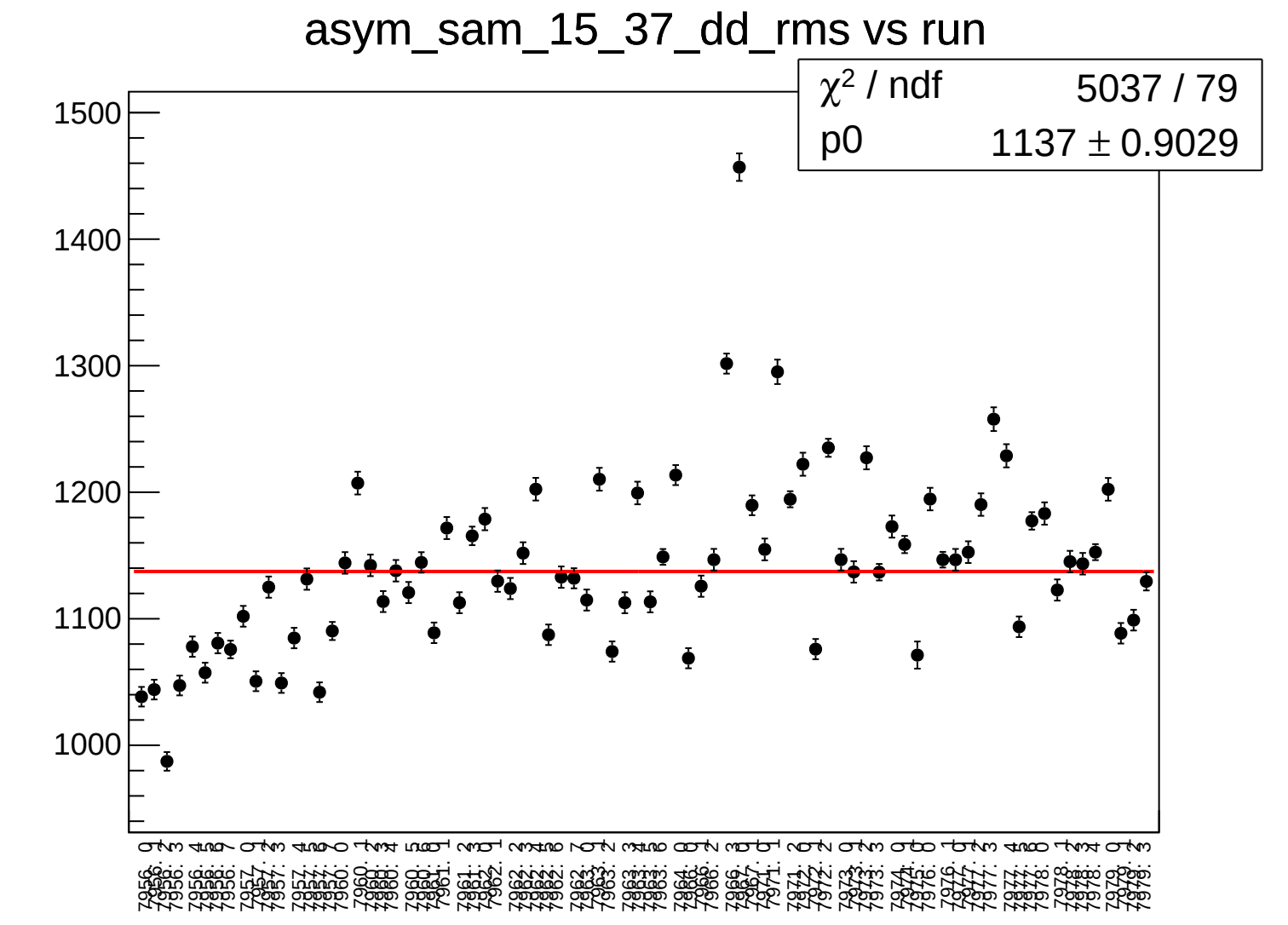

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2.848e+04 / 79
p0 110.8 ± 0.08864
400
350
300
250
200
150
100

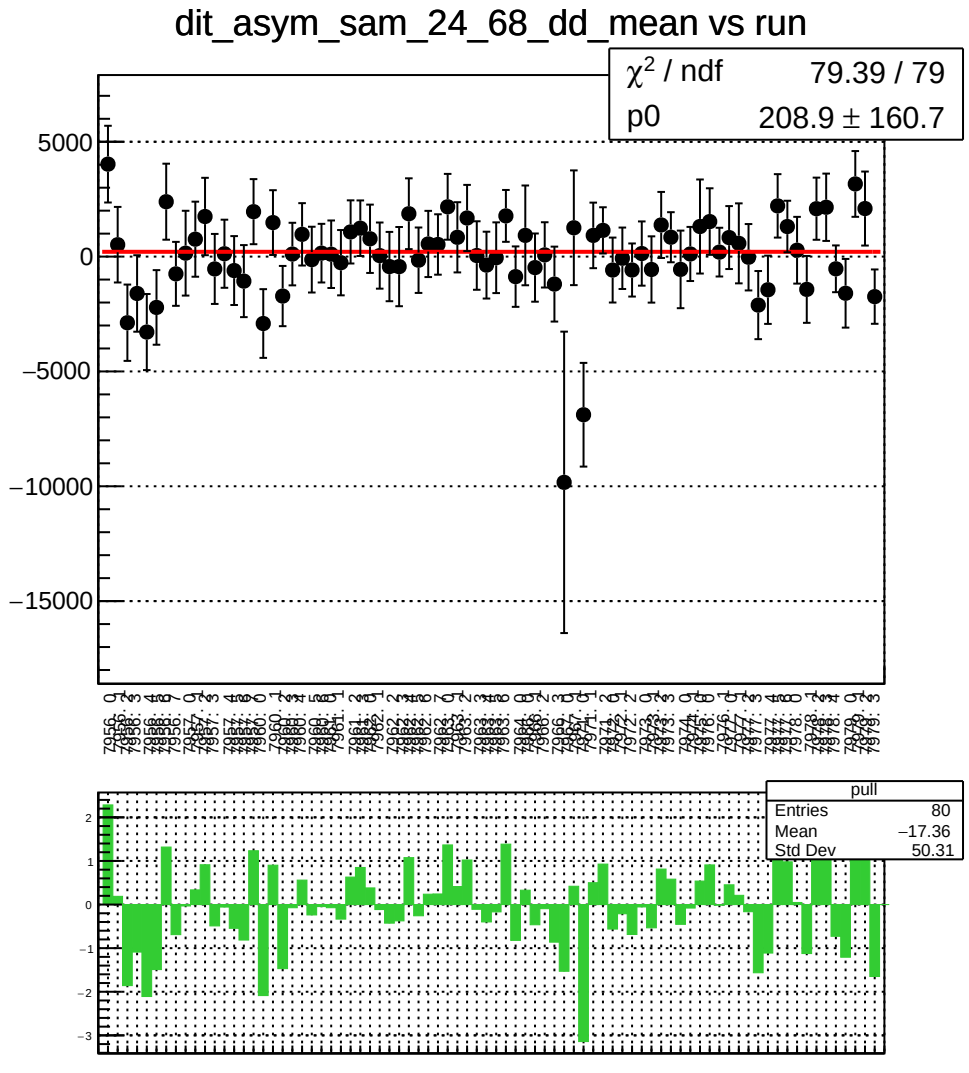

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 105.7 / 79
p0 −1140 ± 1269
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −969
Std Dev 1012
3
2
1
0
−1
−2
−3
−4
−5

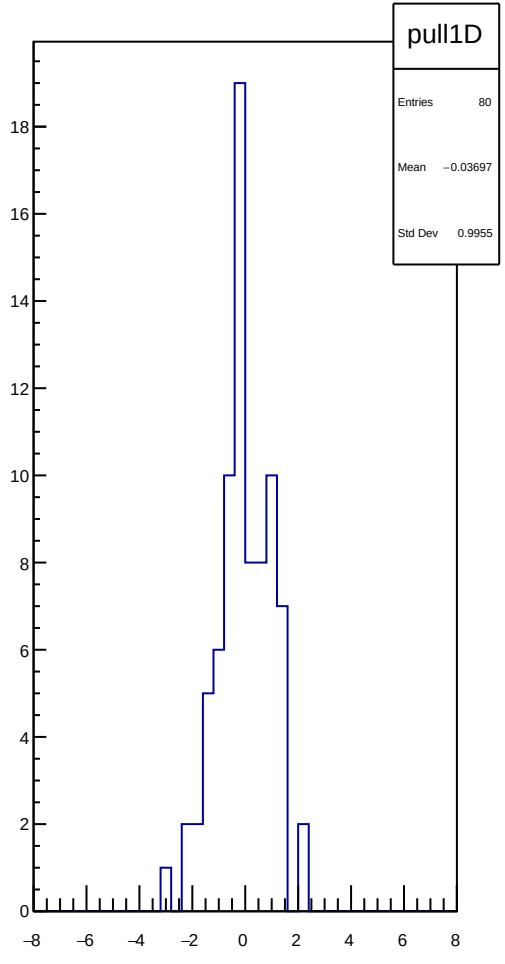

pull1D
Entries 80
Mean 0.004594
Std Dev 1.149
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

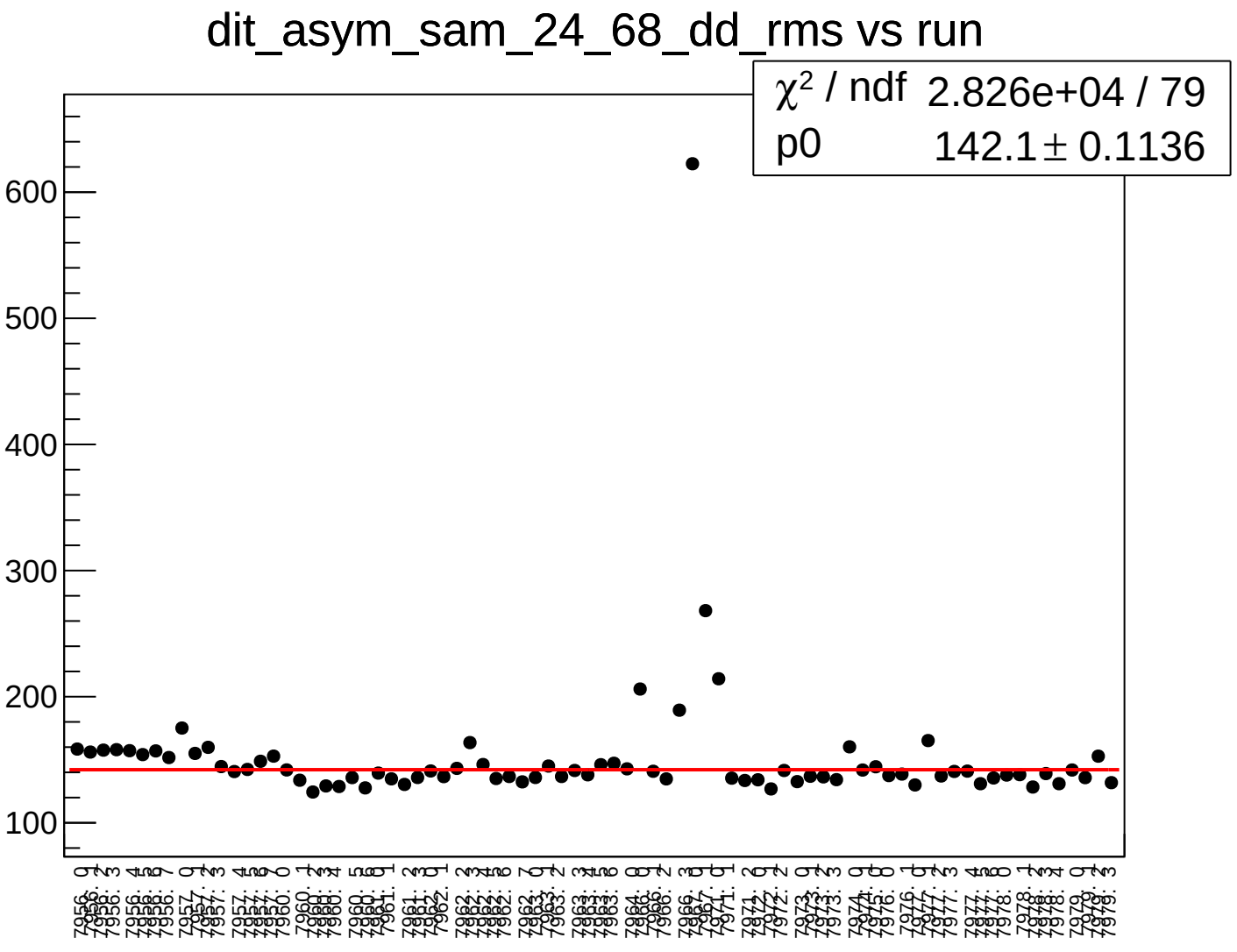

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 2694 / 79
p0 1131 ± 0.8974
1300
1250
1200
1150
1100
1050

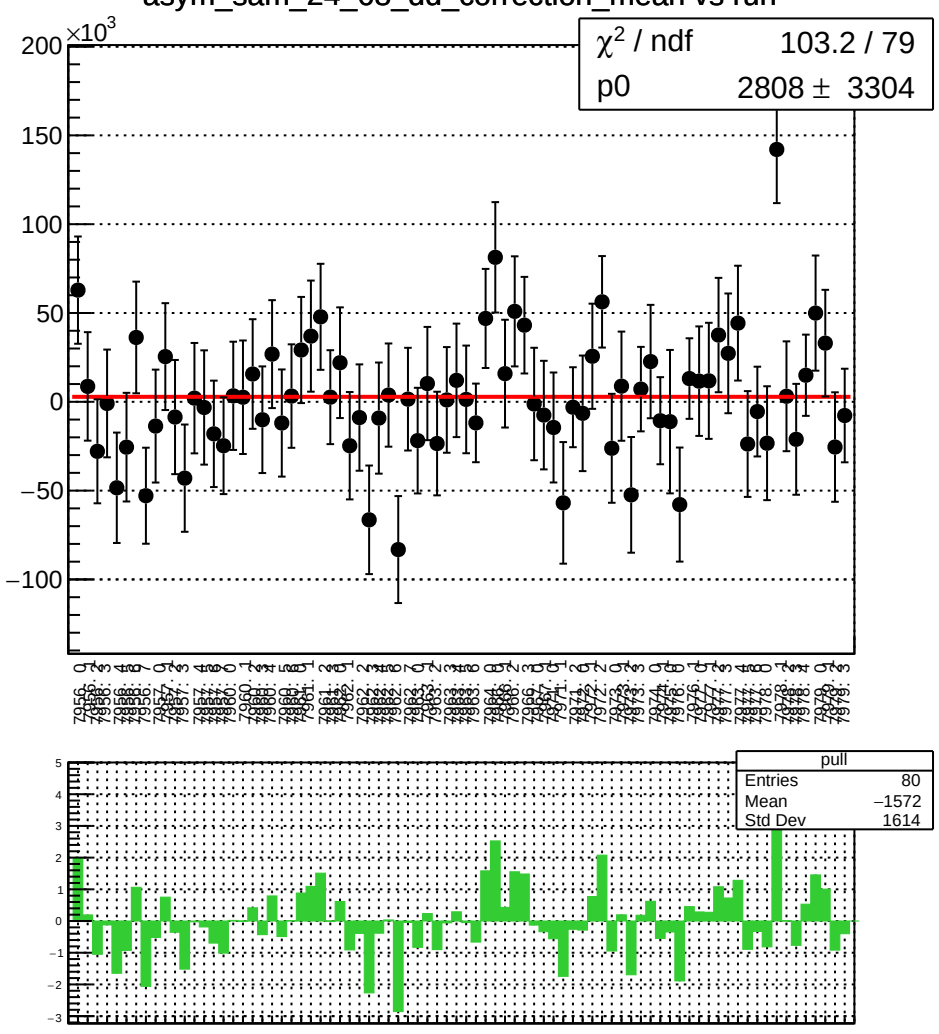

asym_sam_15_37_dd_mean vs run
χ² / ndf 106.5 / 79
p0 1086 ± 1277
pull
Entries 80
Mean 4110
Std Dev 4067
pull1D
Entries 80
Mean 0.001093
Std Dev 1.154

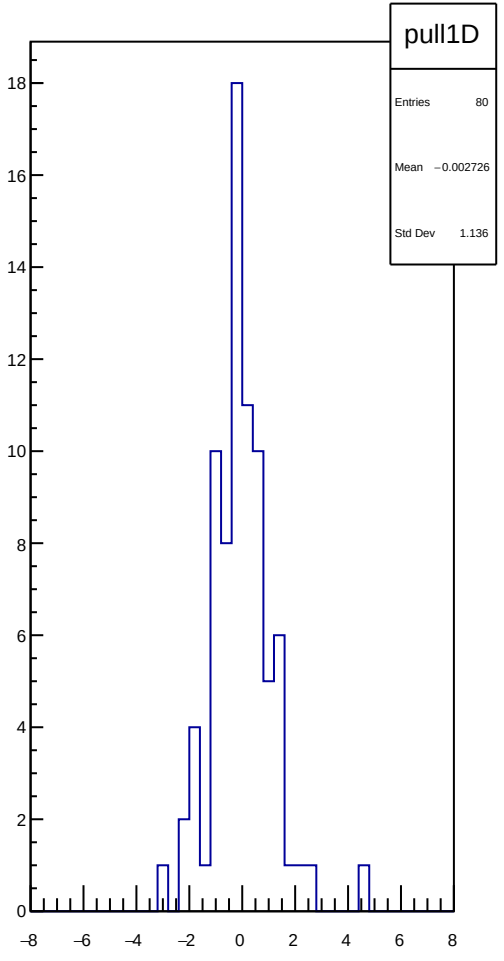

asym_sam_15_37_dd_rms vs run
χ² / ndf 5037 / 79
p0 1137 ± 0.9029
1500
1400
1300
1200
1100
1000

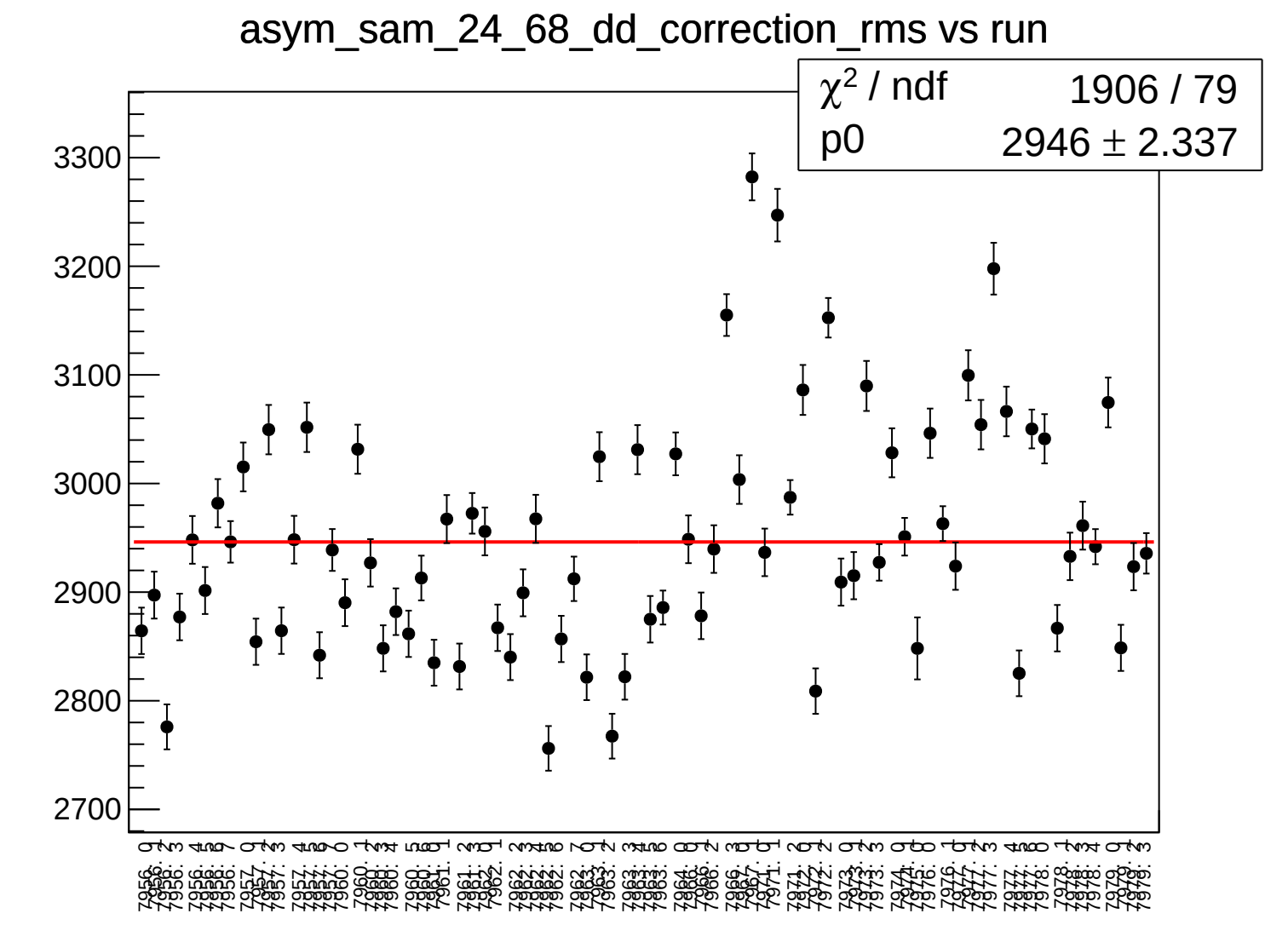

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 79.39 / 79
p0 208.9 ± 160.7
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −17.36
Std Dev 50.31
2
1
0
−1
−2
−3

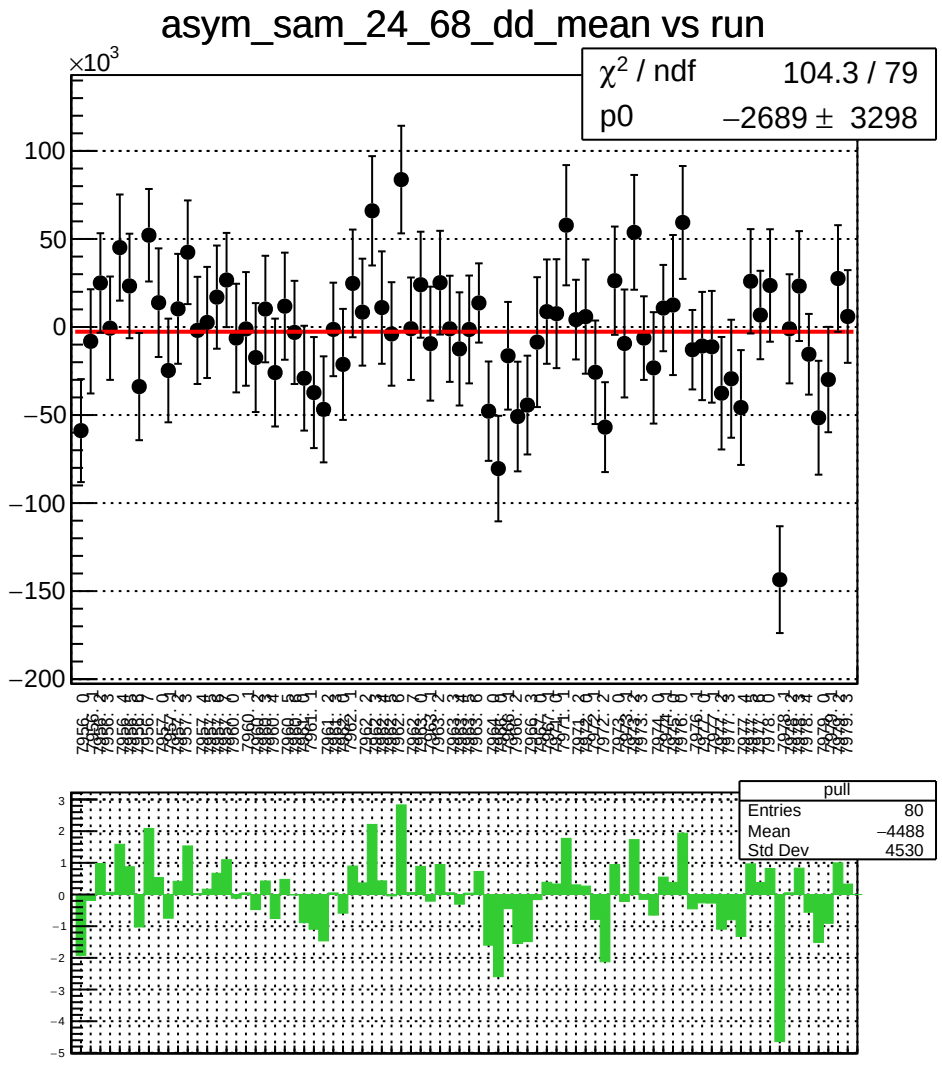

pull1D
Entries 80
Mean −0.03697
Std Dev 0.9955
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

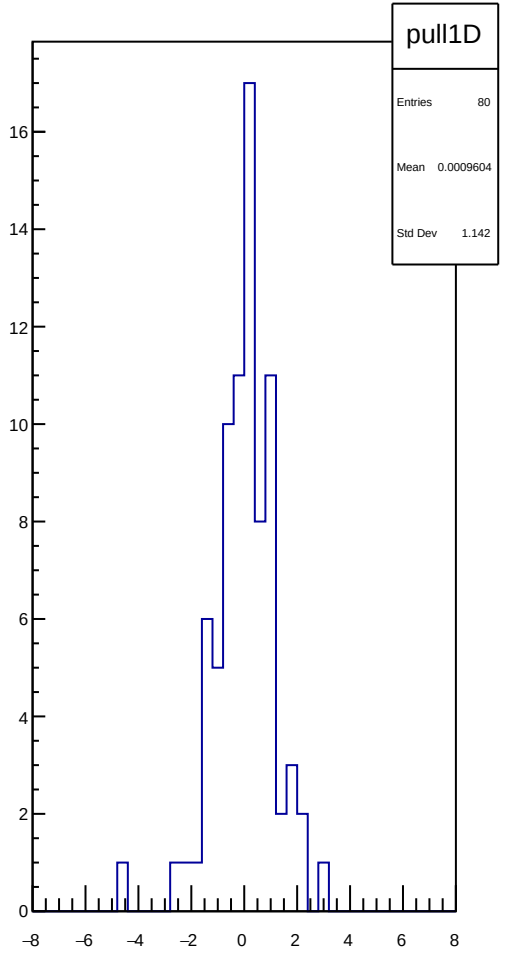

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2.826e+04 / 79
p0 142.1 ± 0.1136
600
500
400
300
200
100

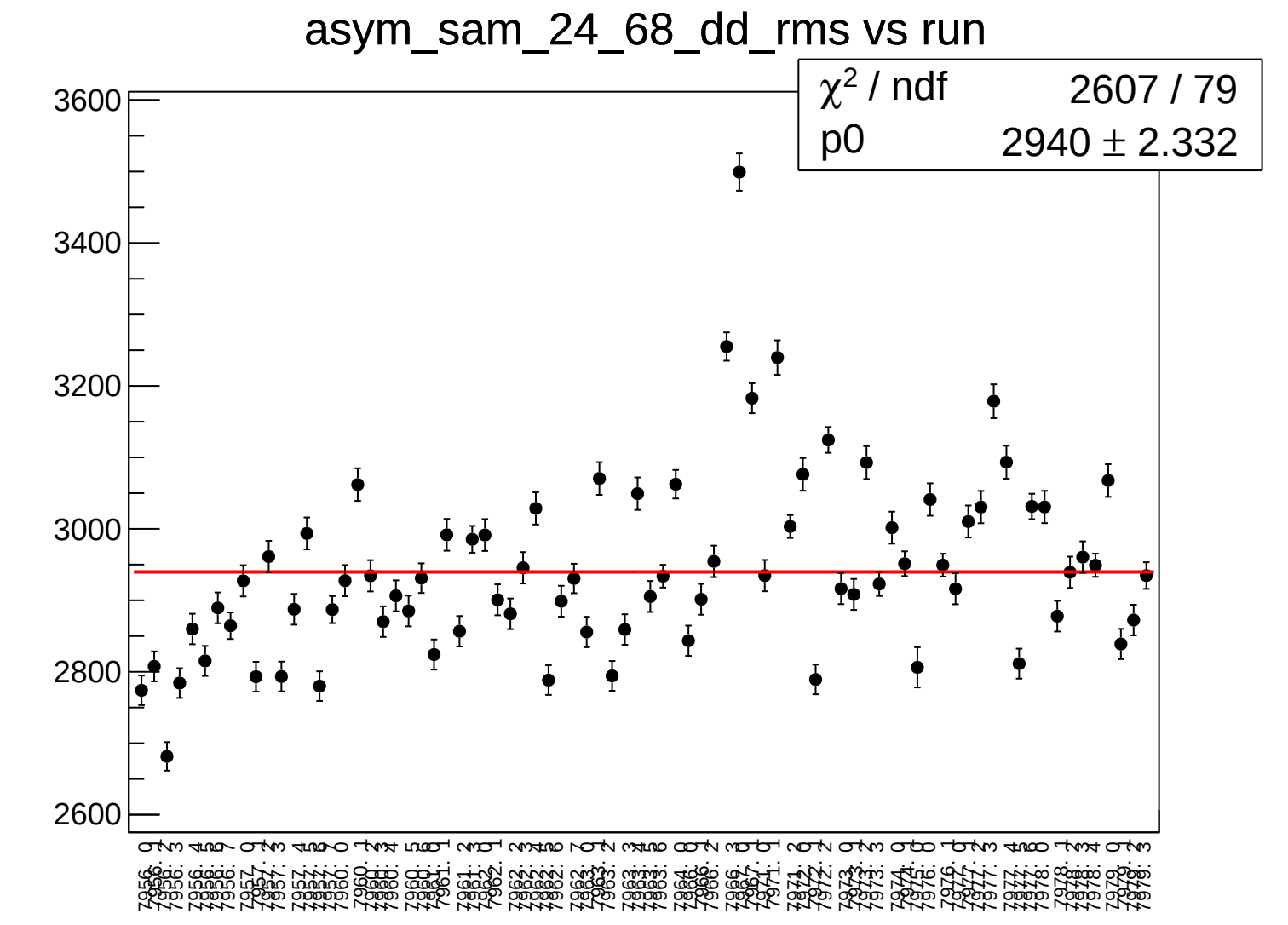

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 103.2 / 79
p0 2808 ± 3304
pull
Entries 80
Mean −1572
Std Dev 1614

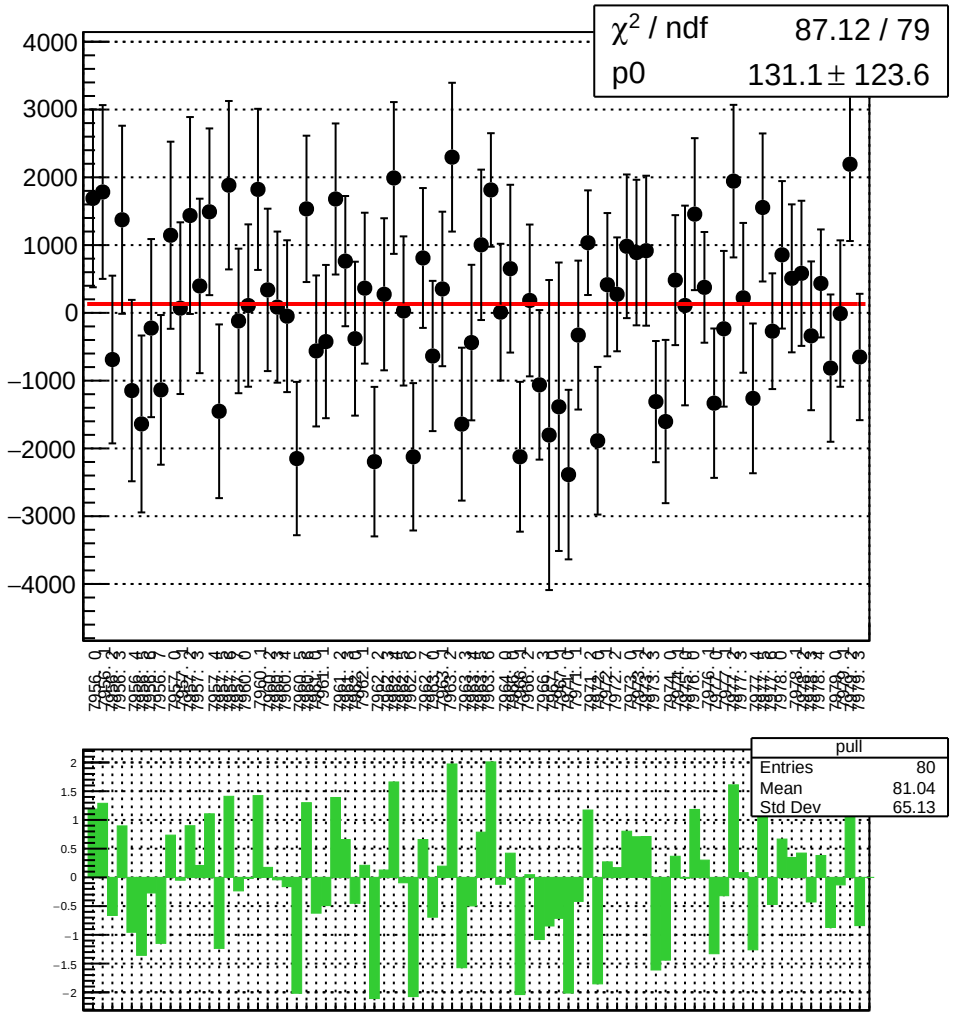

pull1D
Entries 80
Mean −0.002726
Std Dev 1.136

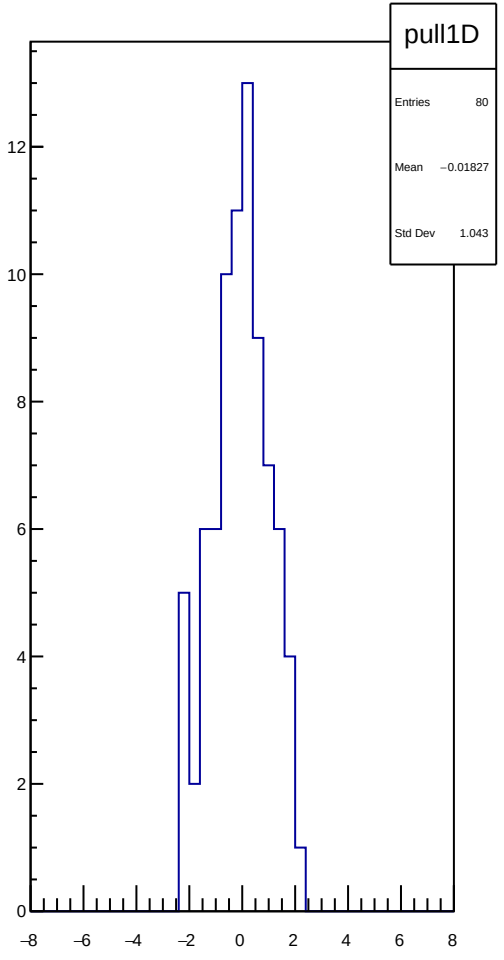

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1906 / 79
p0 2946 ± 2.337
3300
3200
3100
3000
2900
2800
2700

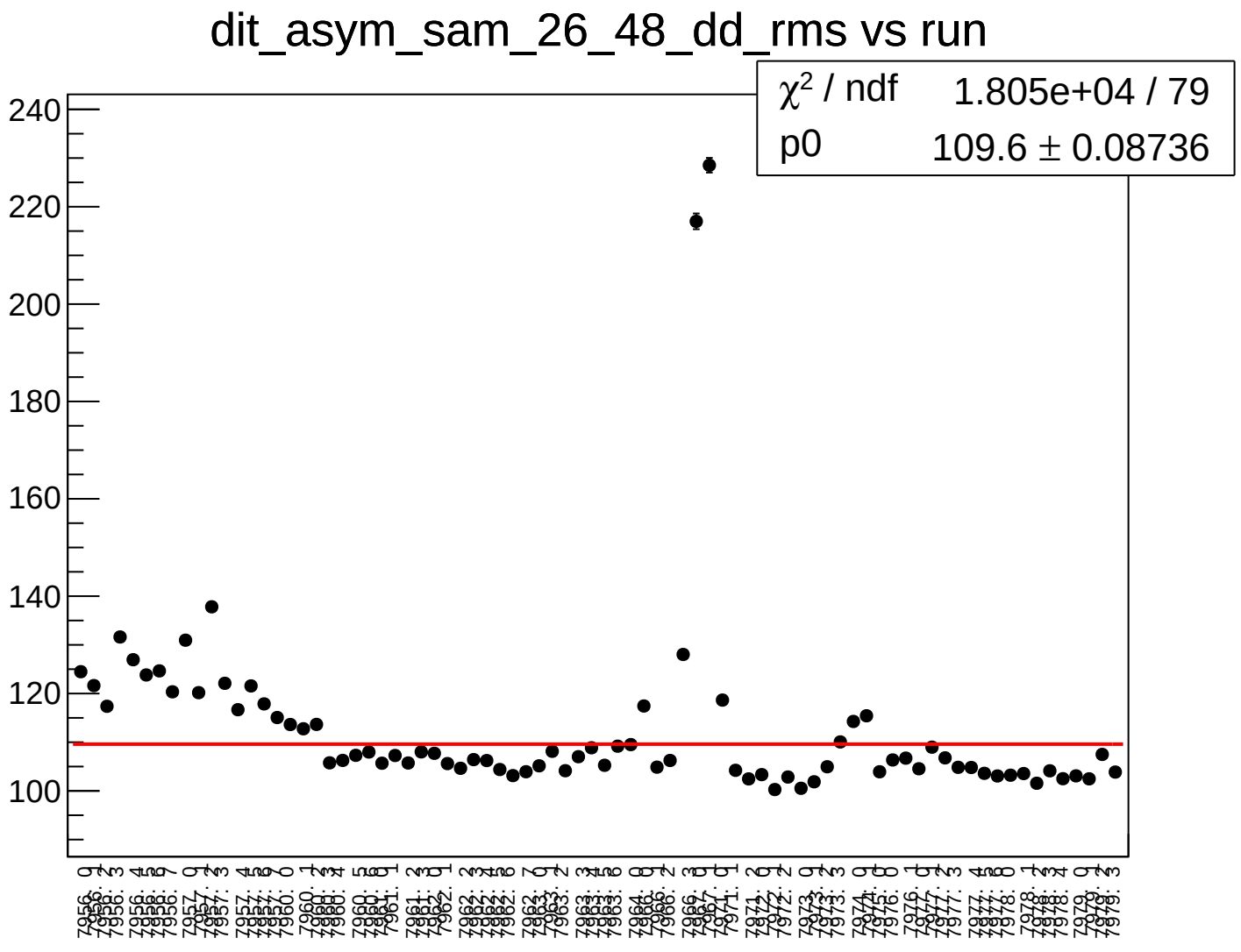

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 104.3 / 79
p0 −2689 ± 3298
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −4488
Std Dev 4530
3
2
1
0
−1
−2
−3
−4
−5

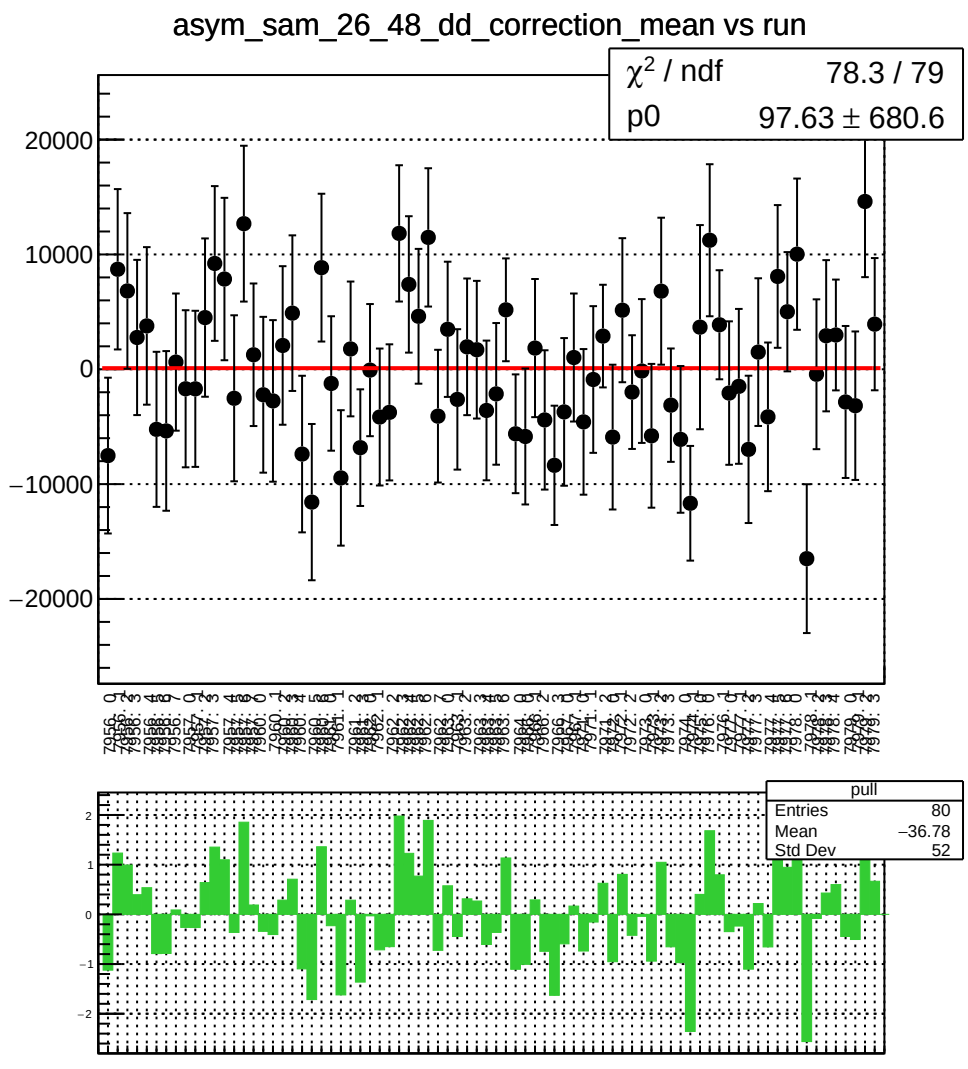

pull1D
Entries 80
Mean 0.0009604
Std Dev 1.142
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

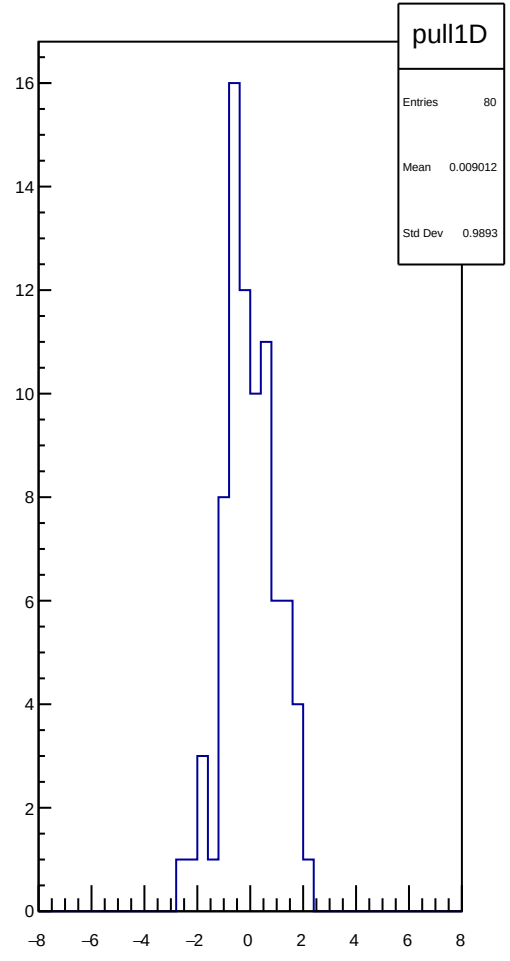

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2607 / 79
p0 2940 ± 2.332
3600
3400
3200
3000
2800
2600

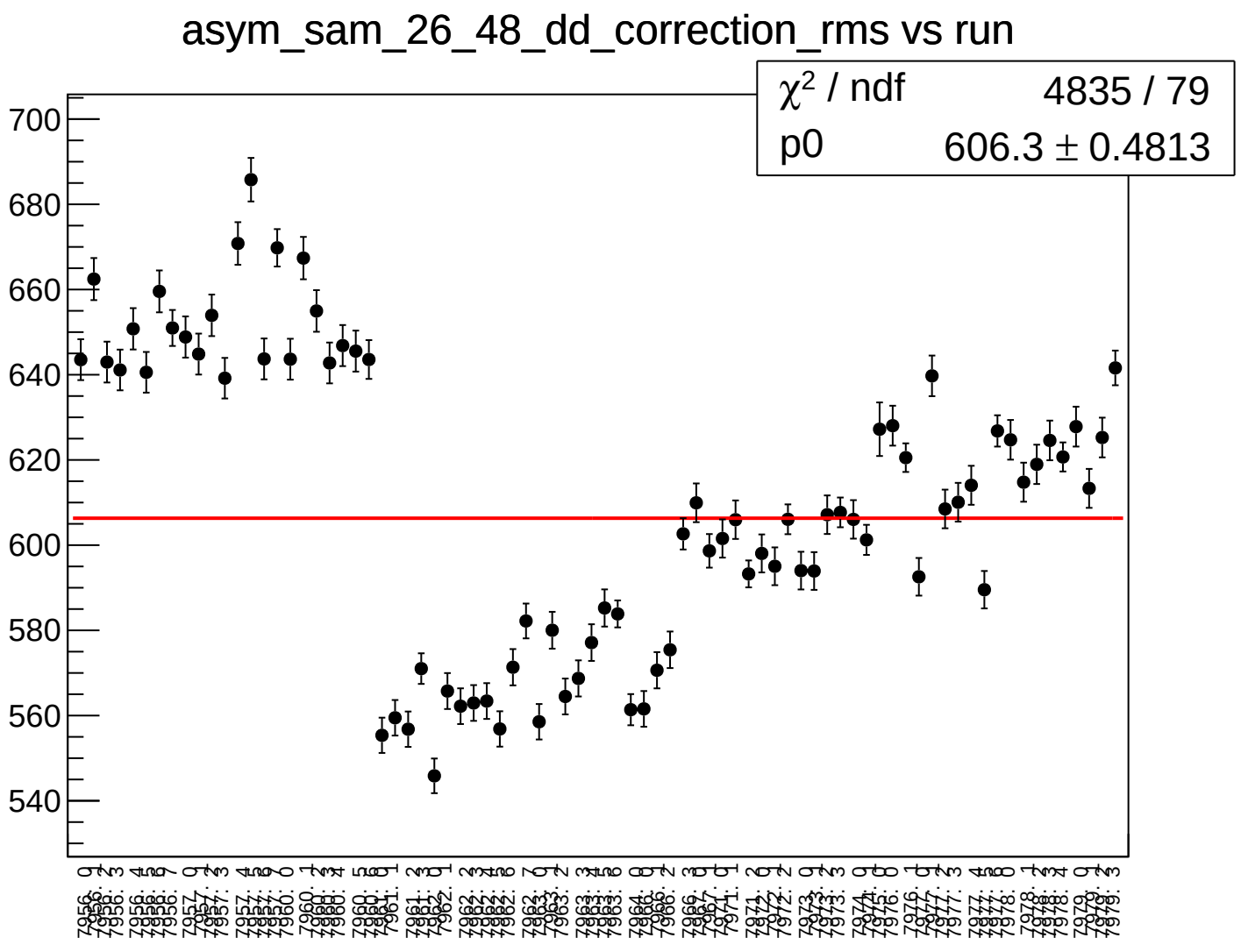

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 87.12 / 79
p0 131.1 ± 123.6
pull
Entries 80
Mean 81.04
Std Dev 65.13

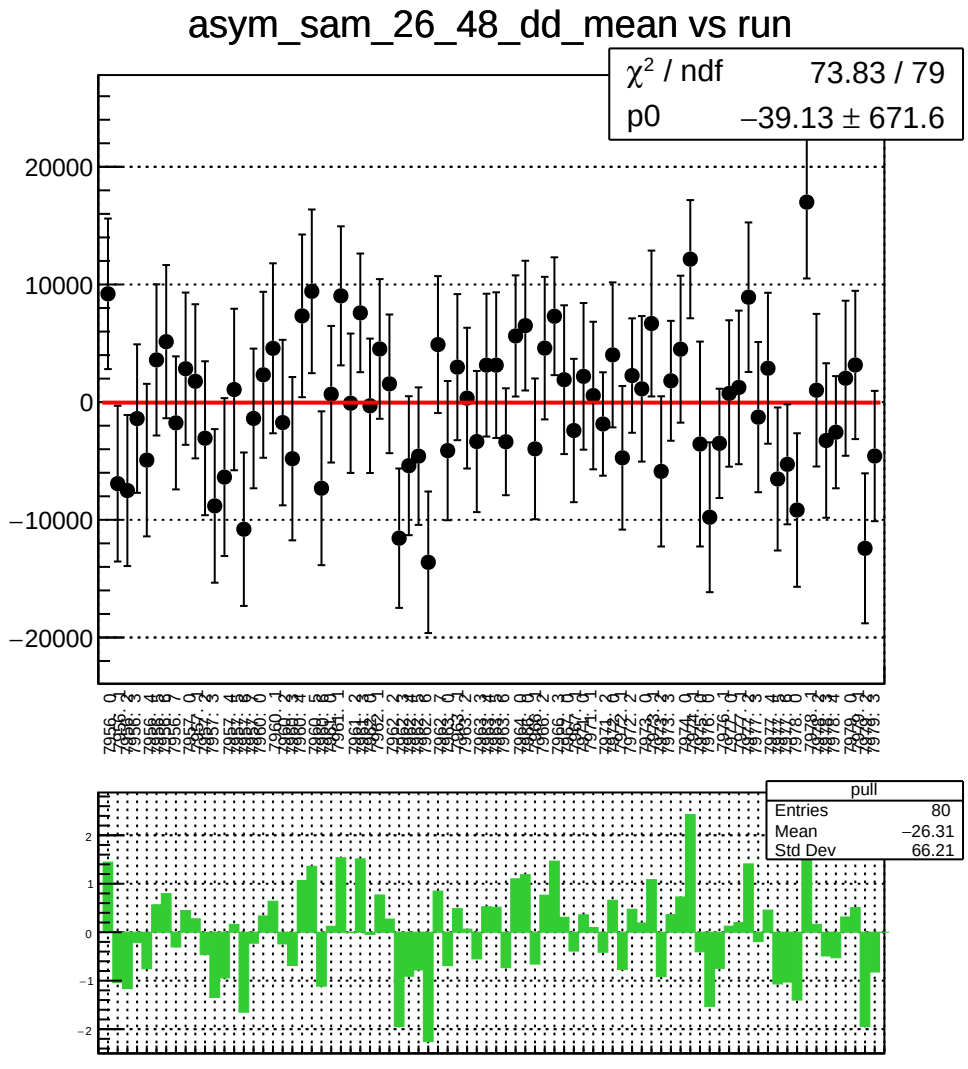

pull1D
Entries 80
Mean −0.01827
Std Dev 1.043

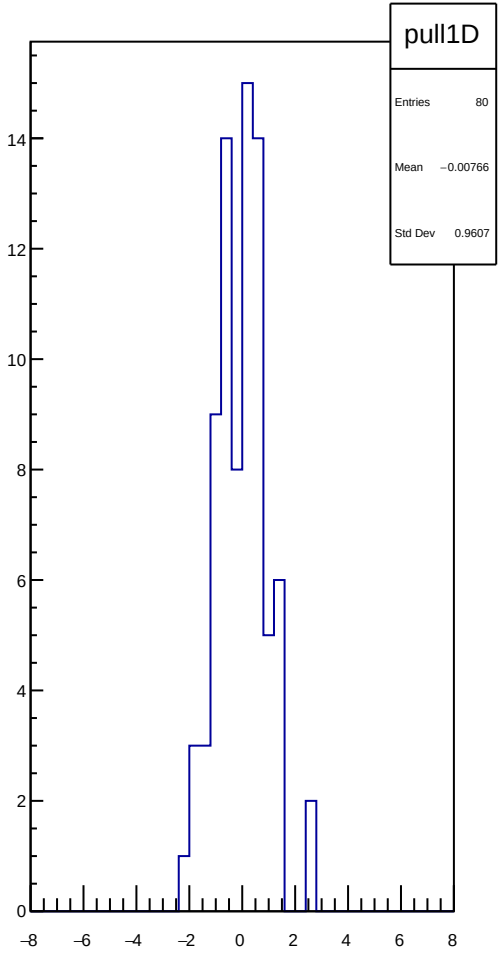

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.805e+04 / 79
p0 109.6 ± 0.08736
240
220
200
180
160
140
120
100

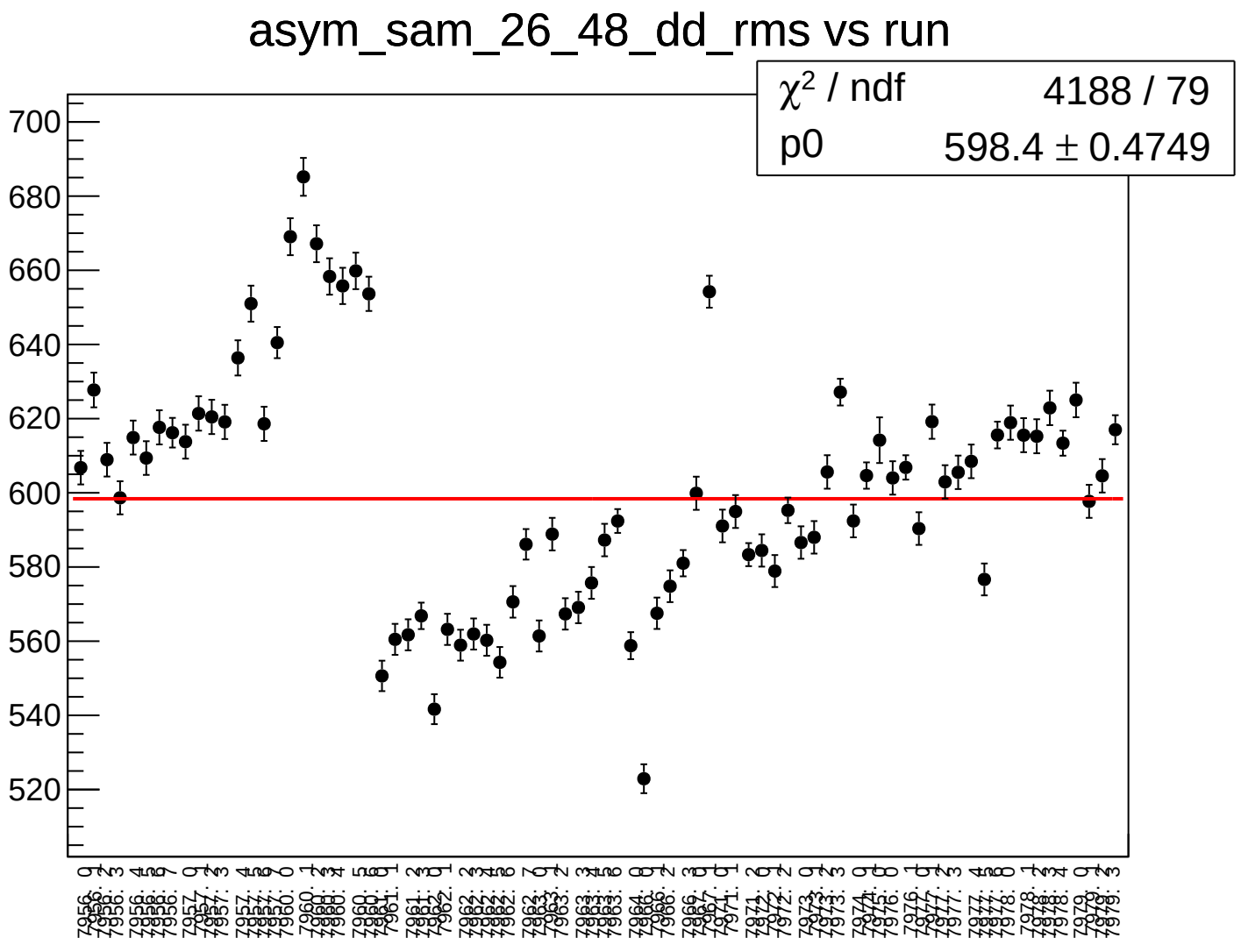

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 78.3 / 79
p0 97.63 ± 680.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −36.78
Std Dev 52
2
1
0
−1
−2

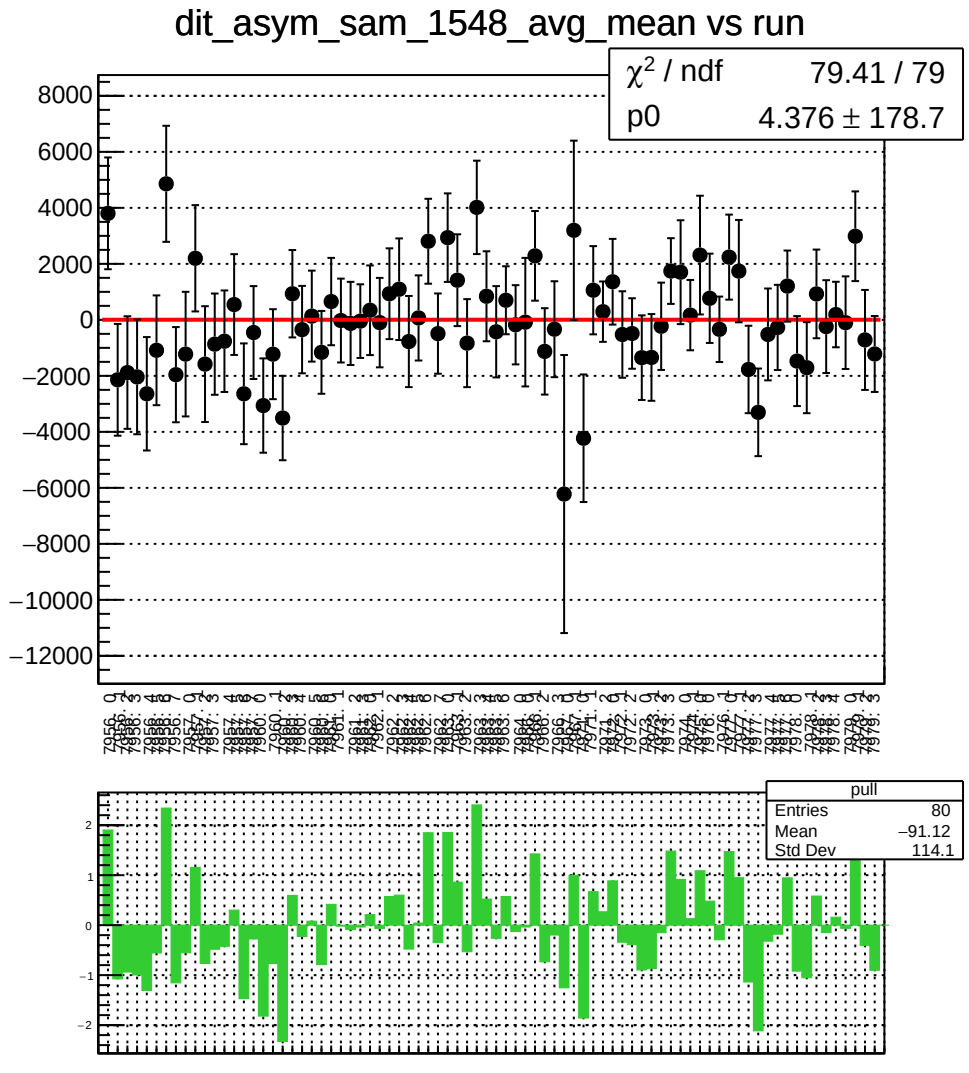

pull1D
Entries 80
Mean 0.009012
Std Dev 0.9893
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

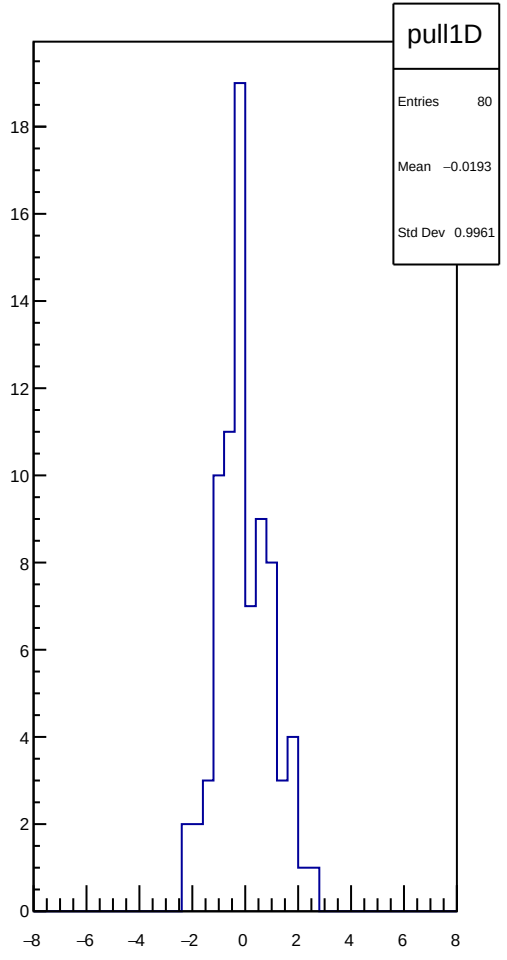

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 4835 / 79
p0 606.3 ± 0.4813
700
680
660
640
620
600
580
560
540

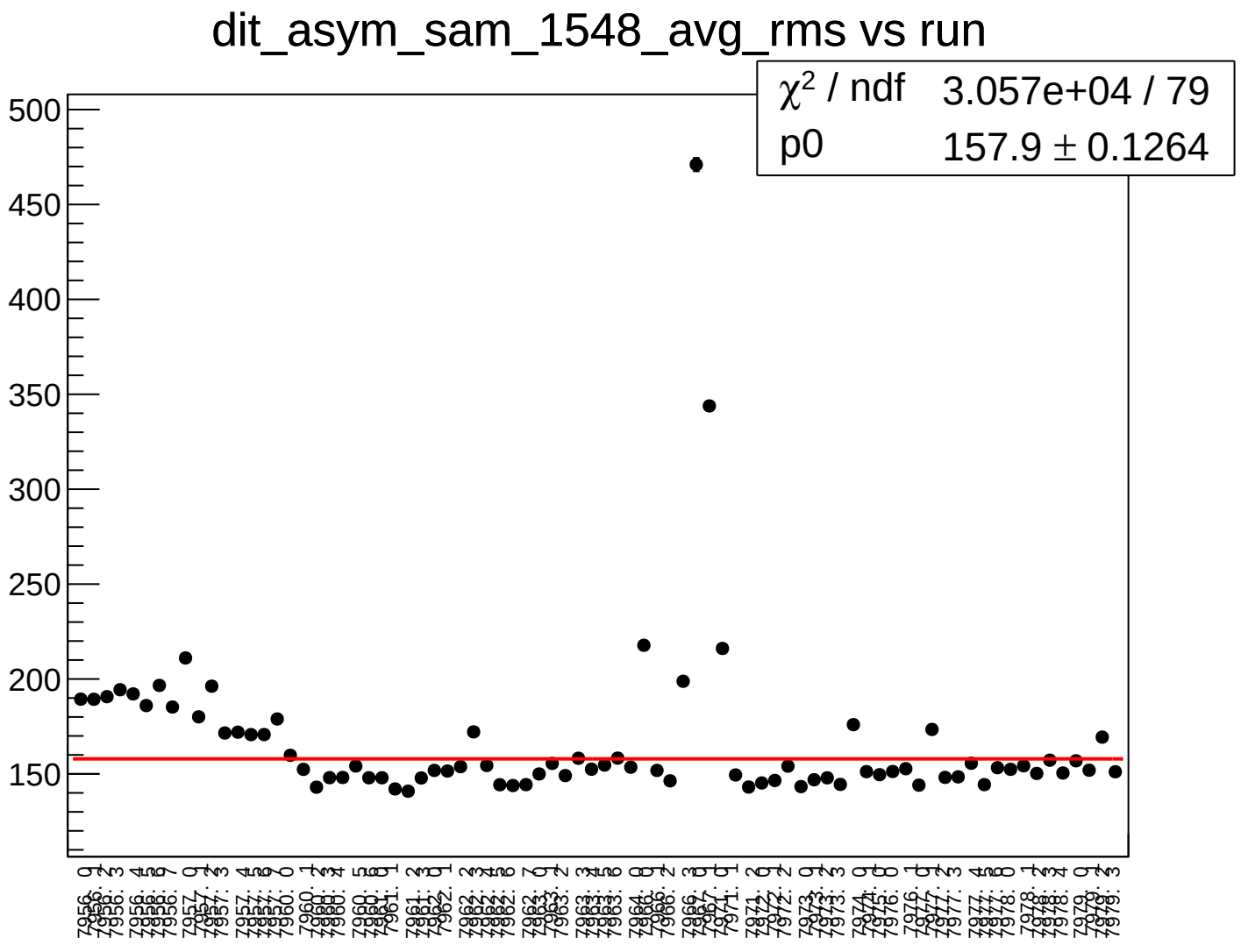

asym_sam_26_48_dd_mean vs run
χ² / ndf 73.83 / 79
p0 −39.13 ± 671.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −26.31
Std Dev 66.21
2
1
0
−1
−2

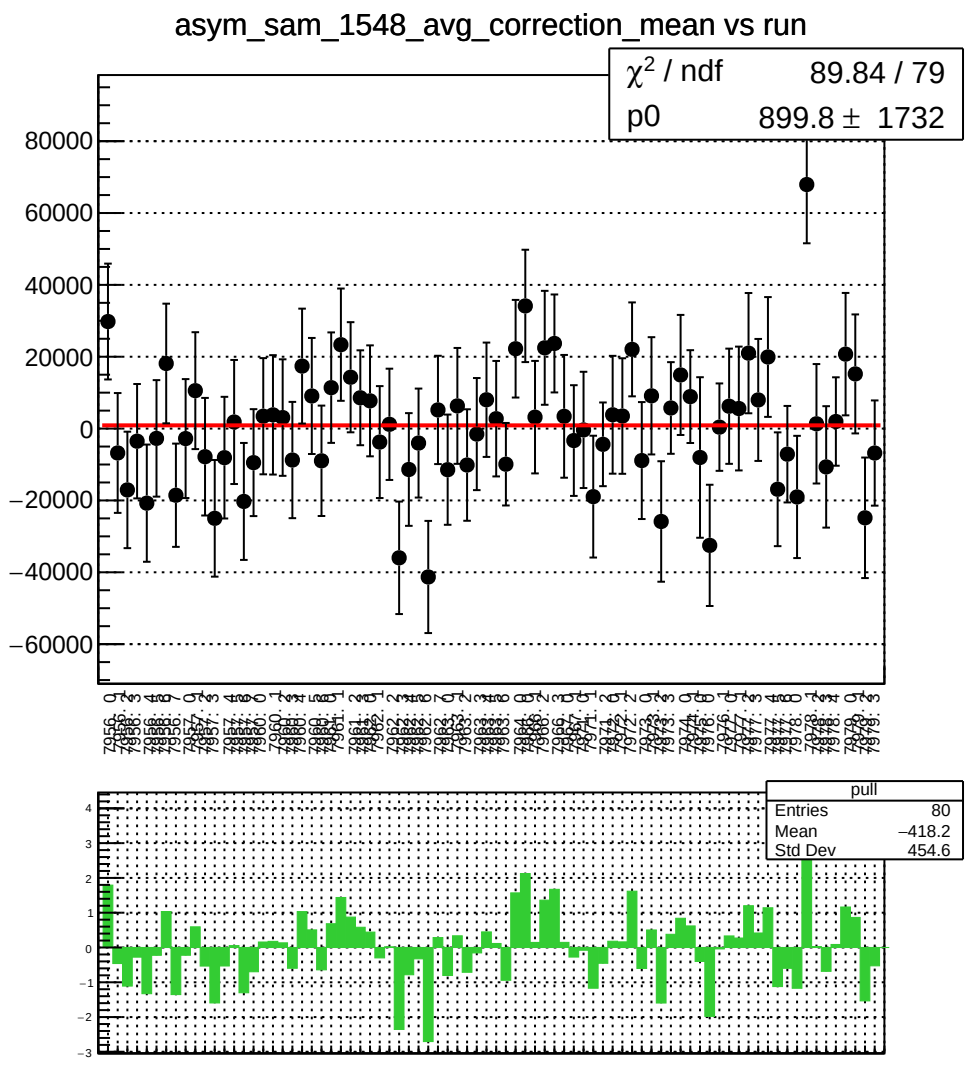

pull1D
Entries 80
Mean −0.00766
Std Dev 0.9607
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

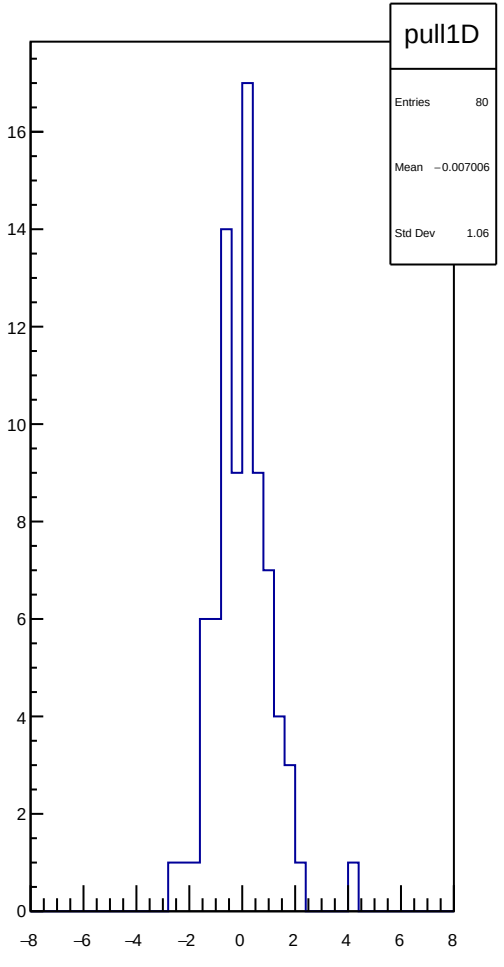

asym_sam_26_48_dd_rms vs run
χ² / ndf 4188 / 79
p0 598.4 ± 0.4749
700
680
660
640
620
600
580
560
540
520

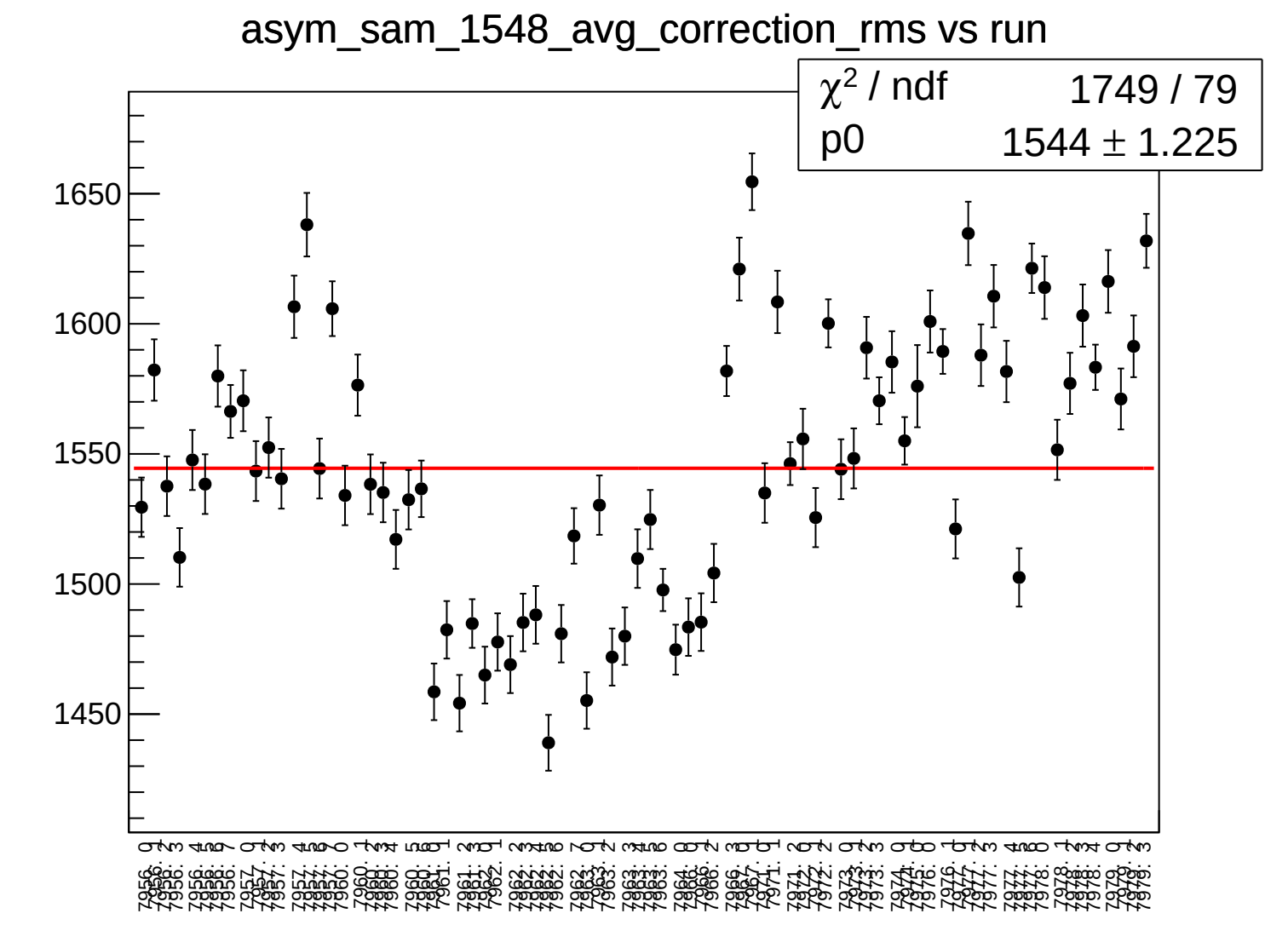

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 79.41 / 79
p0 4.376 ± 178.7
pull
Entries 80
Mean −91.12
Std Dev 114.1

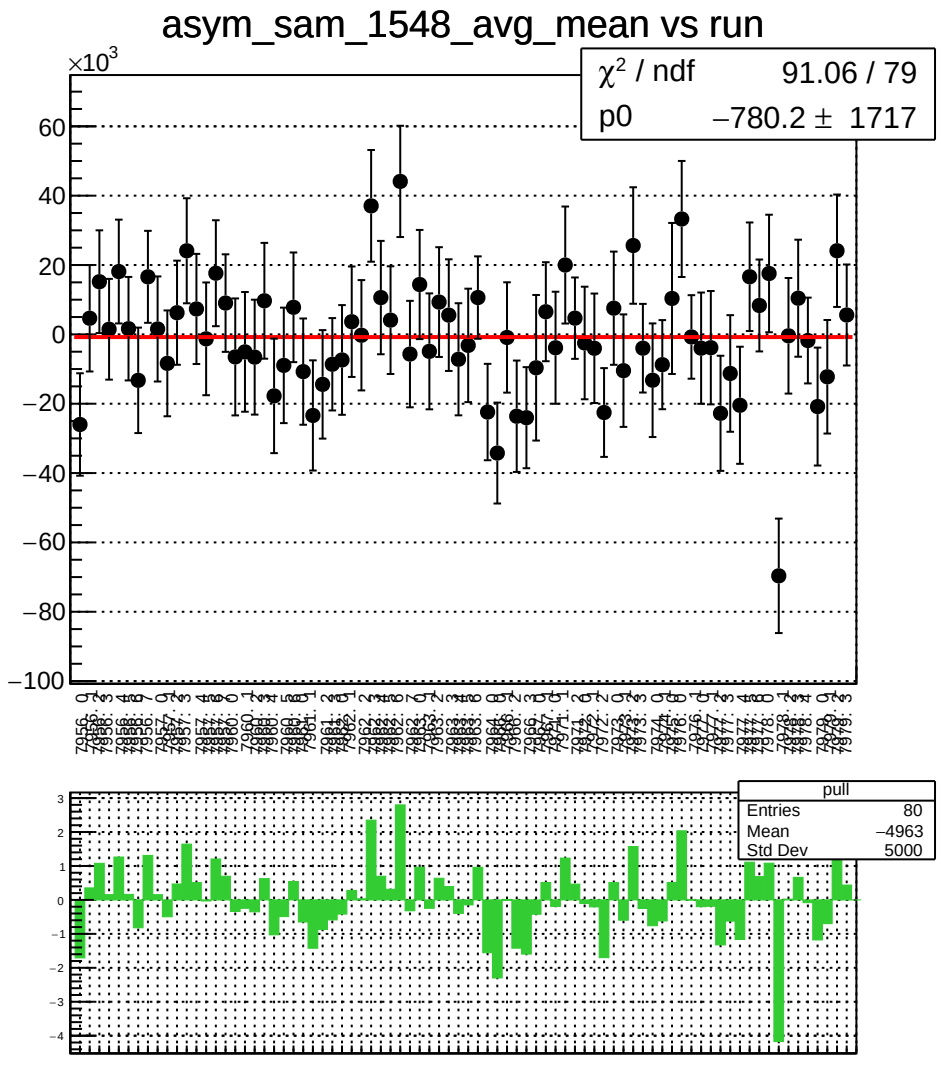

pull1D
Entries 80
Mean −0.0193
Std Dev 0.9961

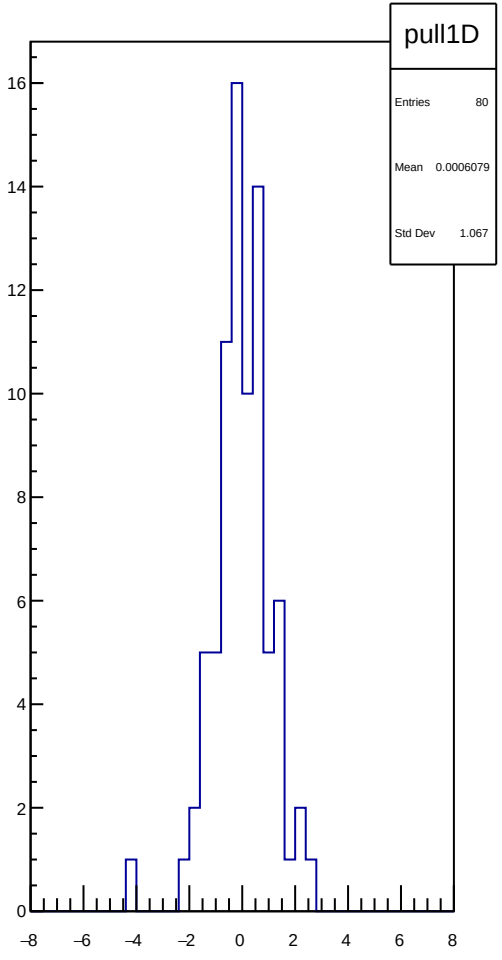

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 3.057e+04 / 79
p0 157.9 ± 0.1264
500
450
400
350
300
250
200
150

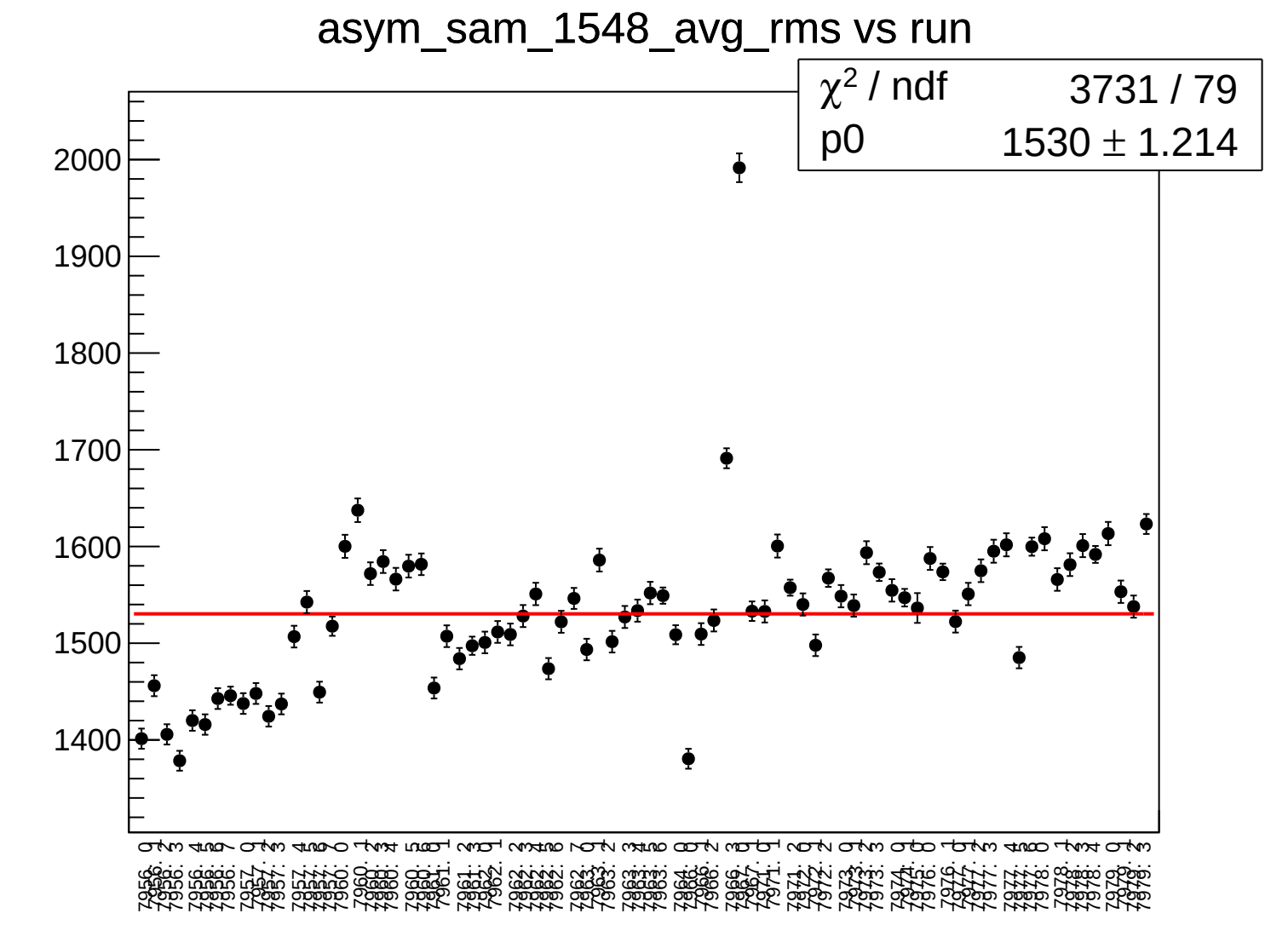

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 89.84 / 79
p0 899.8 ± 1732
pull
Entries 80
Mean −418.2
Std Dev 454.6

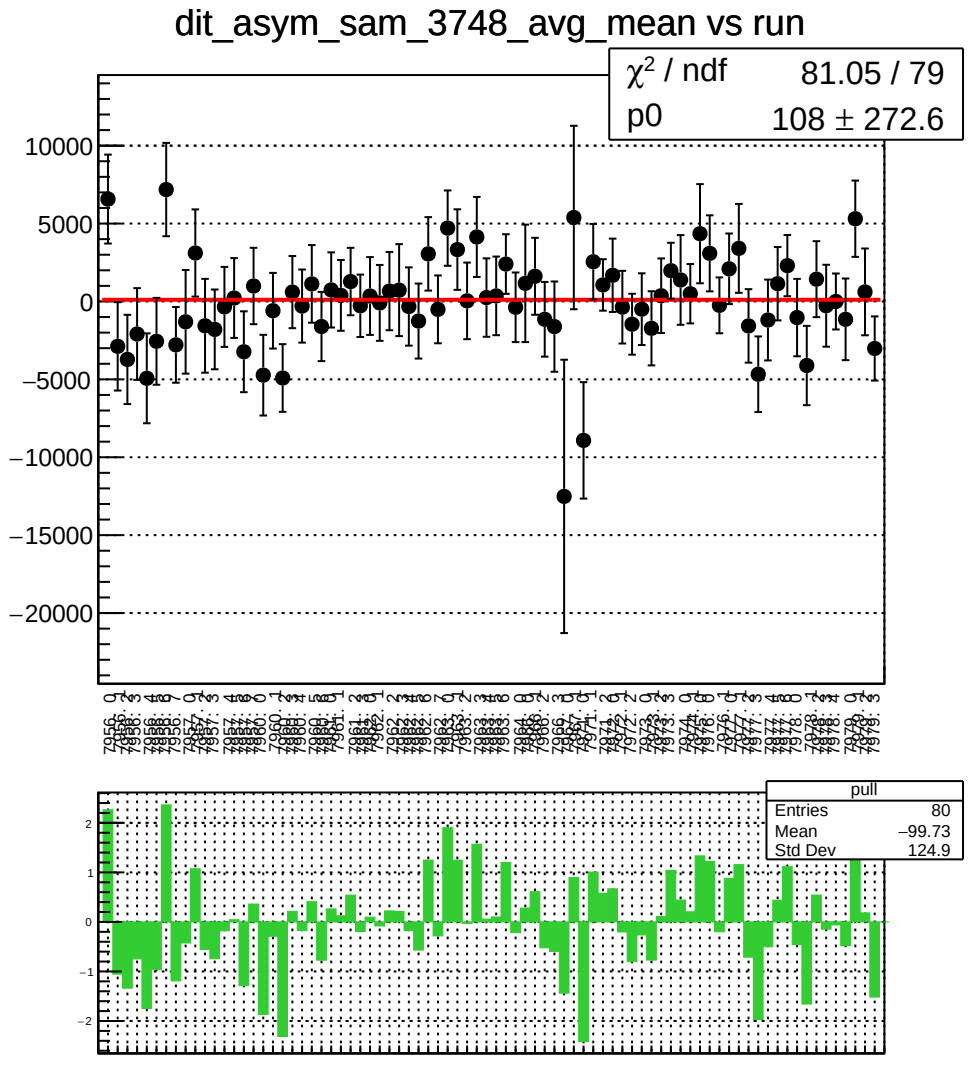

pull1D
Entries 80
Mean −0.007006
Std Dev 1.06

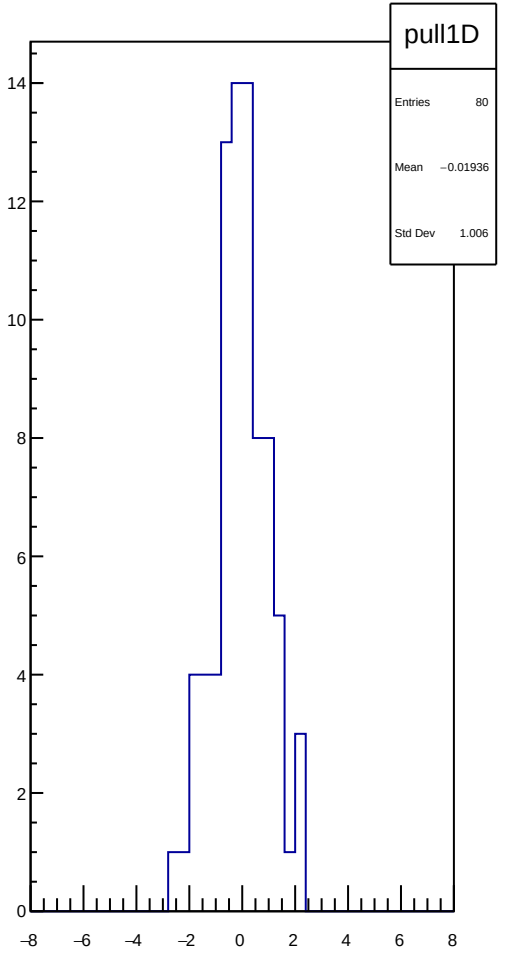

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1749 / 79
p0 1544 ± 1.225
1650
1600
1550
1500
1450

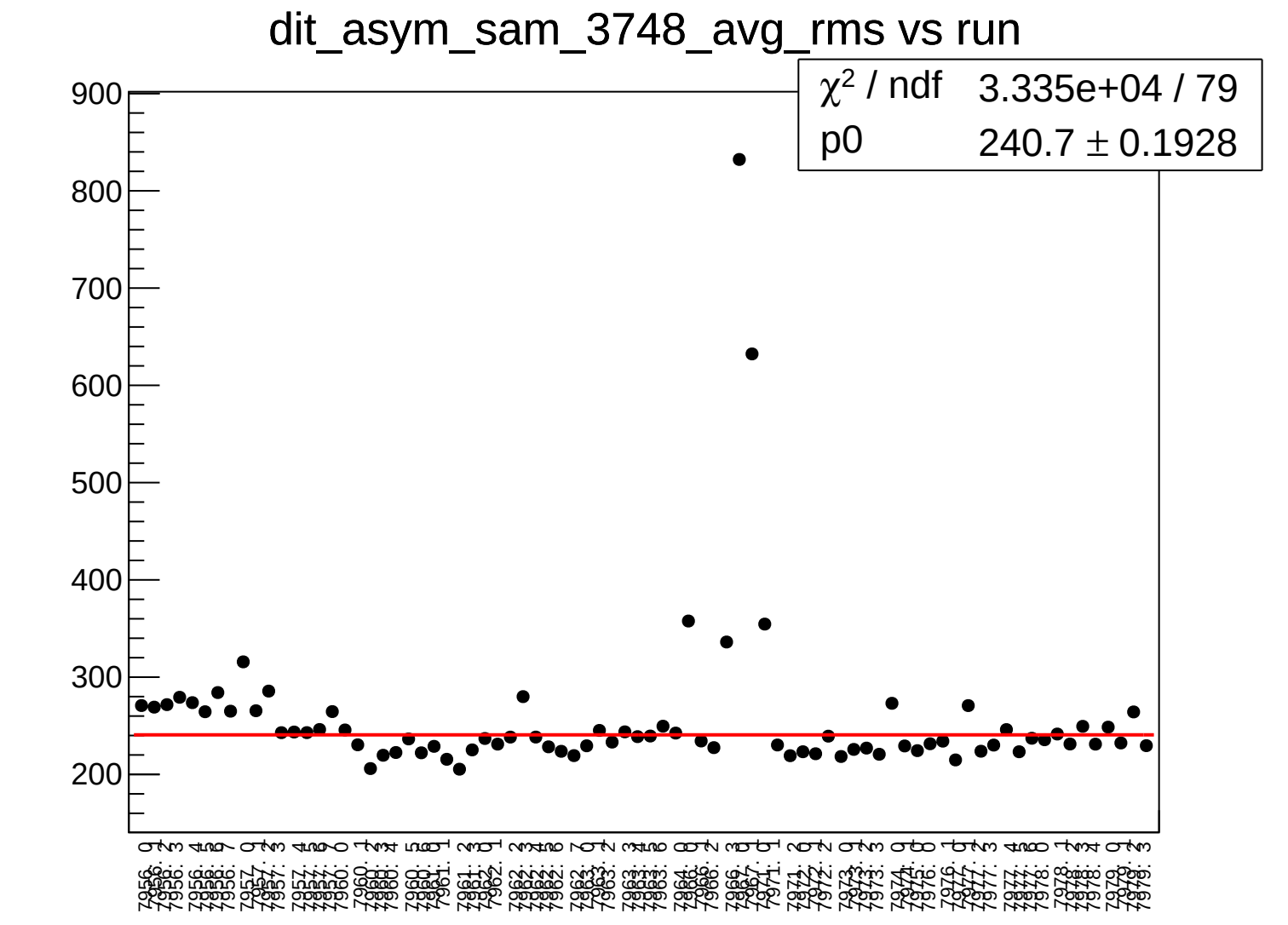

asym_sam_1548_avg_mean vs run
×10^3
χ² / ndf 91.06 / 79
p0 −780.2 ± 1717
pull
Entries 80
Mean −4963
Std Dev 5000

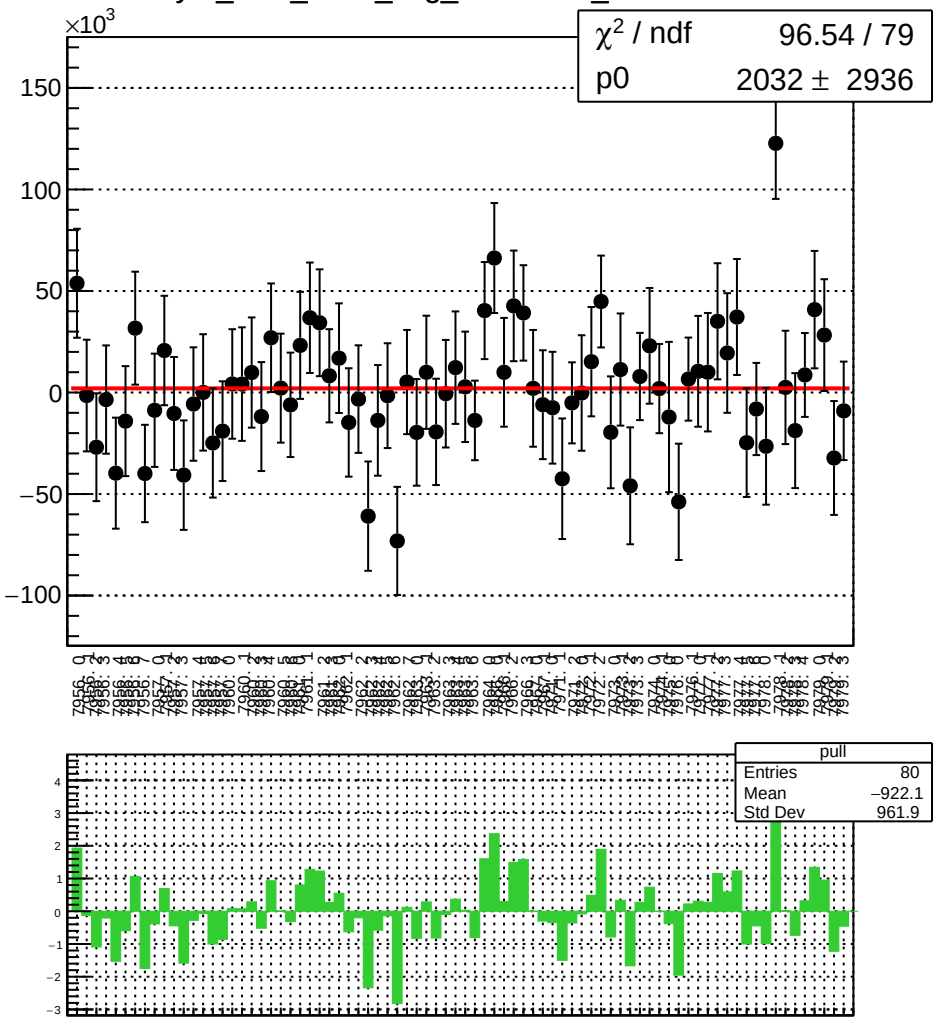

pull1D
Entries 80
Mean 0.0006079
Std Dev 1.067

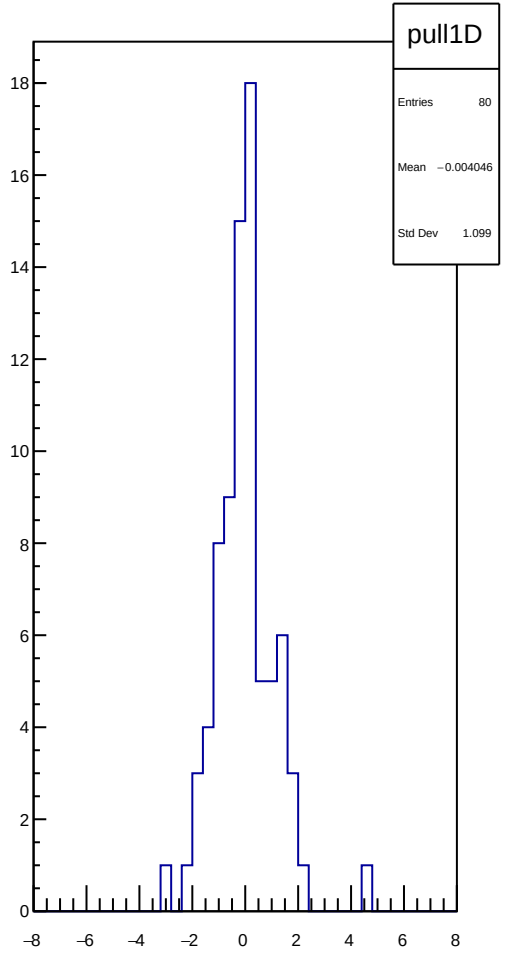

asym_sam_1548_avg_rms vs run
χ^2 / ndf 3731 / 79
p0 1530 ± 1.214
2000
1900
1800
1700
1600
1500
1400

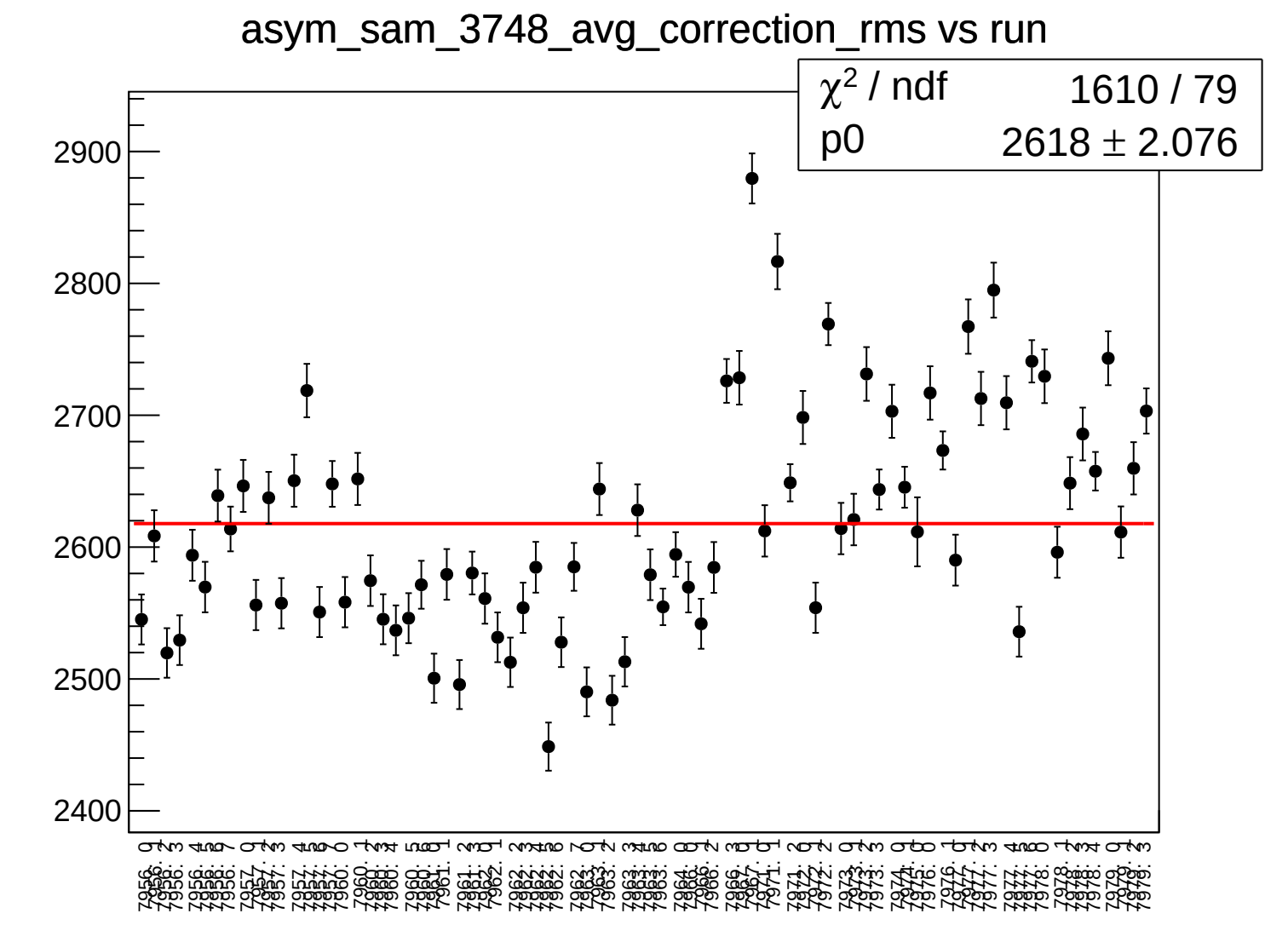

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 81.05 / 79
p0 108 ± 272.6
pull
Entries 80
Mean −99.73
Std Dev 124.9

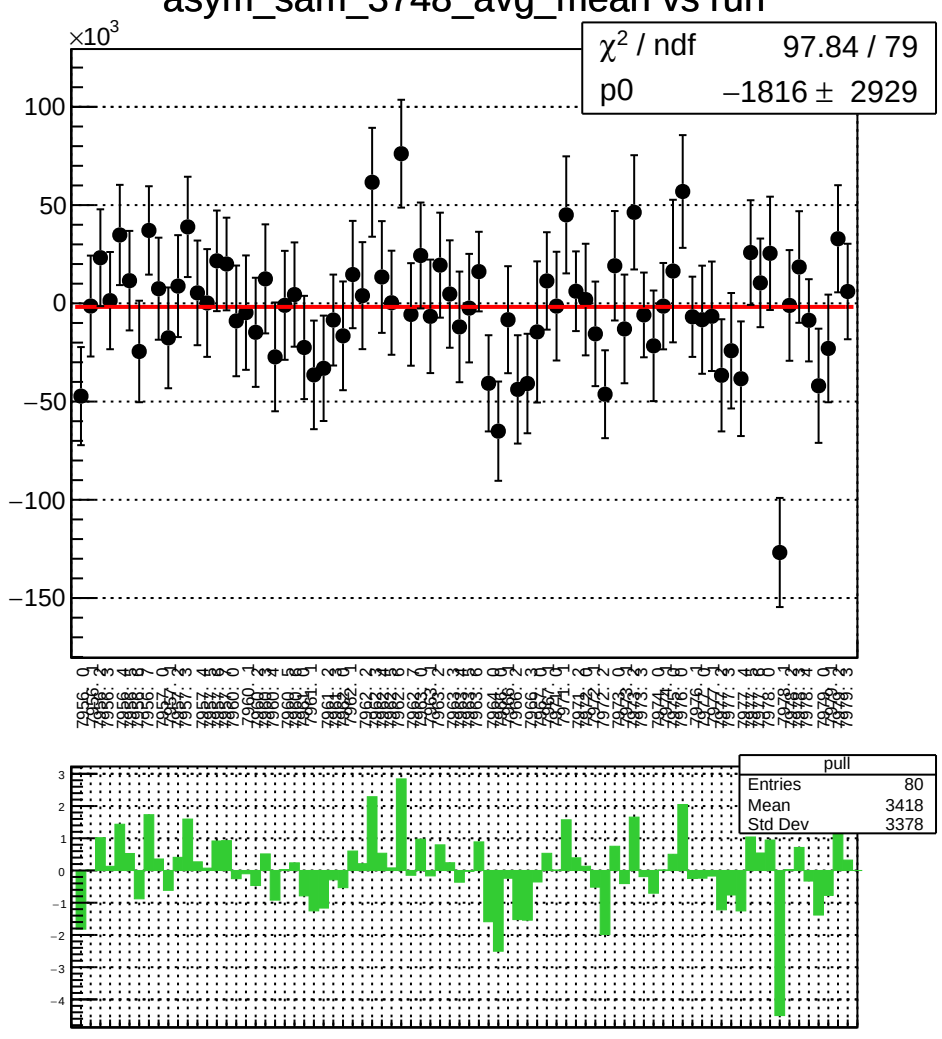

pull1D
Entries 80
Mean −0.01936
Std Dev 1.006

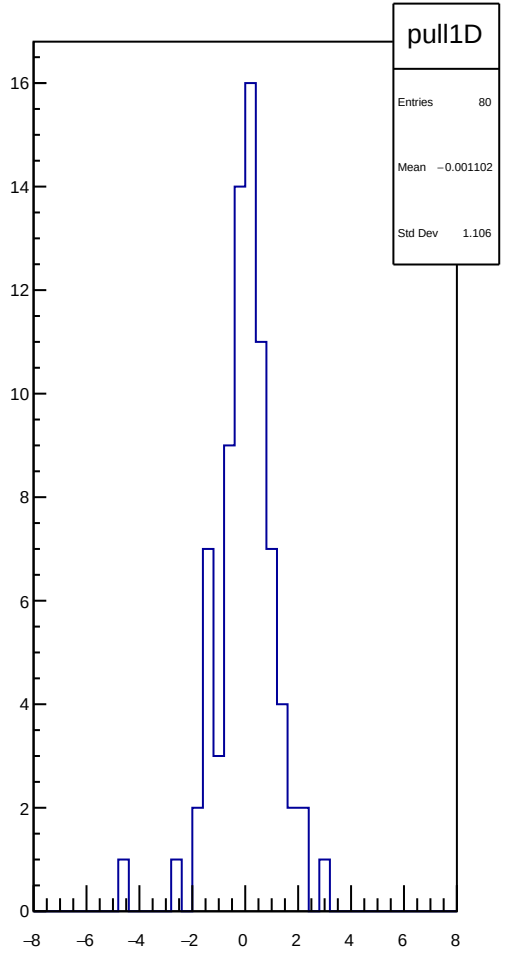

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3.335e+04 / 79
p0 240.7 ± 0.1928
900
800
700
600
500
400
300
200

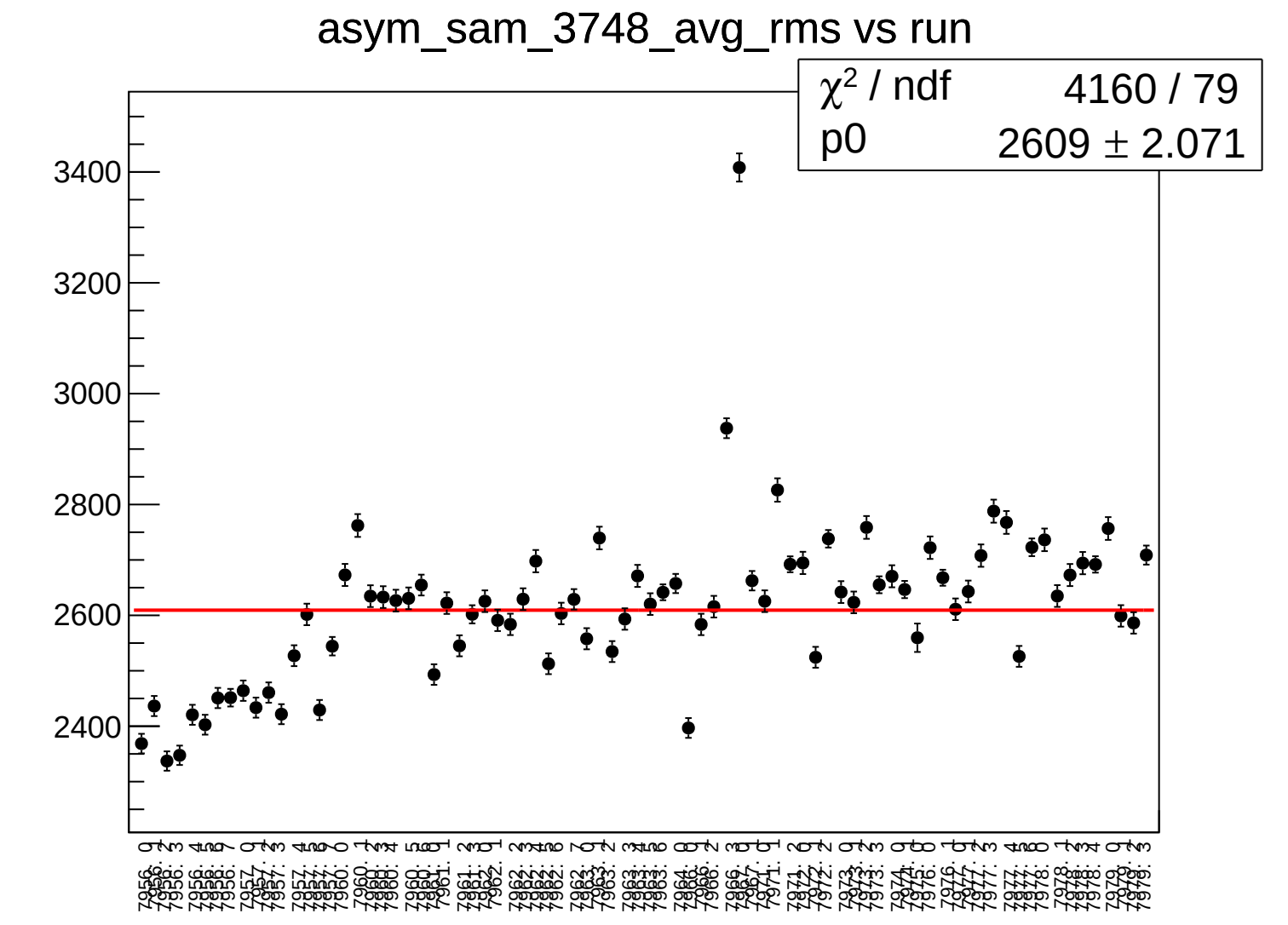

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 96.54 / 79
p0 2032 ± 2936
150
100
50
0
−50
−100
pull
Entries 80
Mean −922.1
Std Dev 961.9
4
3
2
1
0
−1
−2
−3

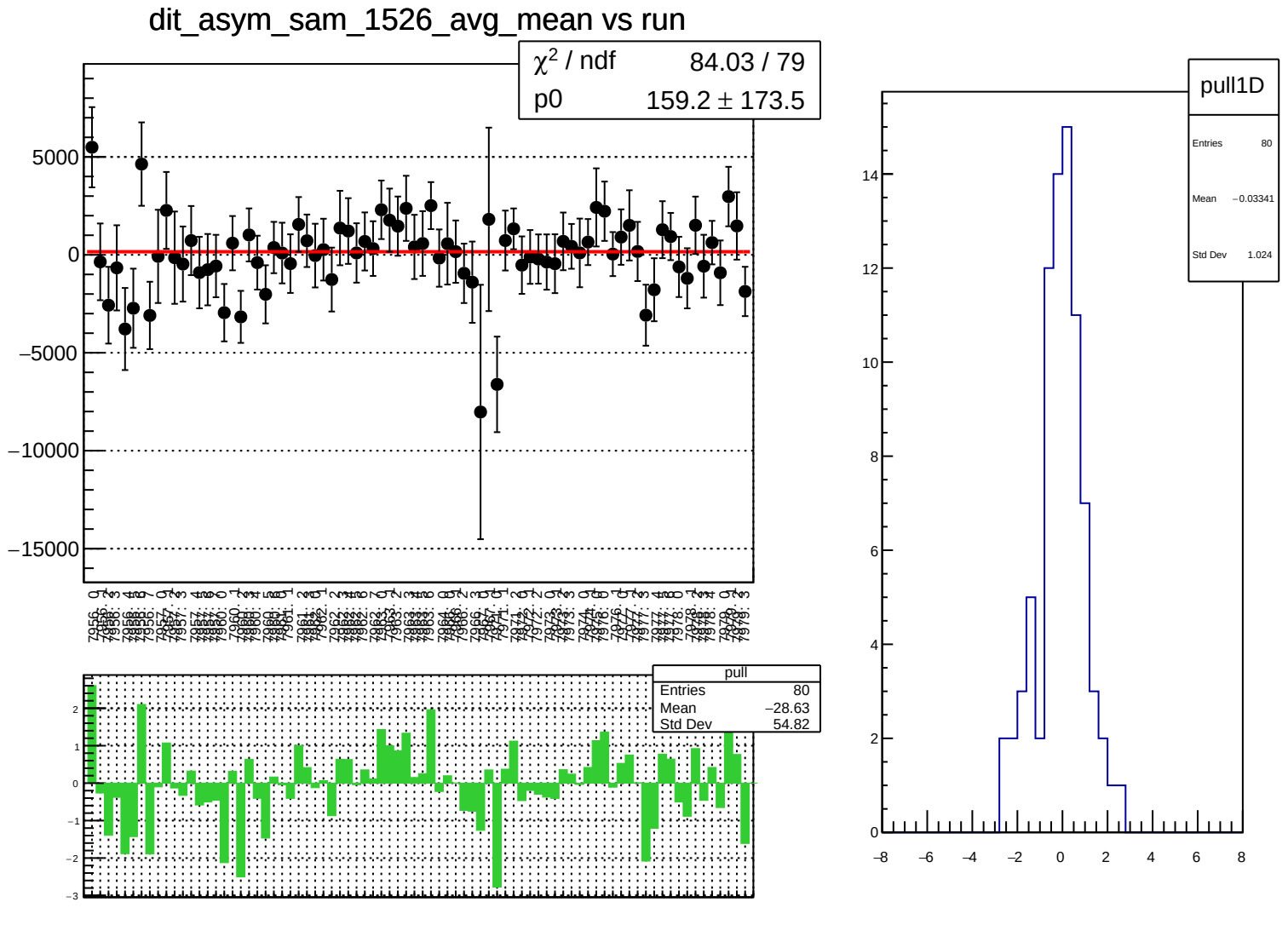

pull1D
Entries 80
Mean −0.004046
Std Dev 1.099
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

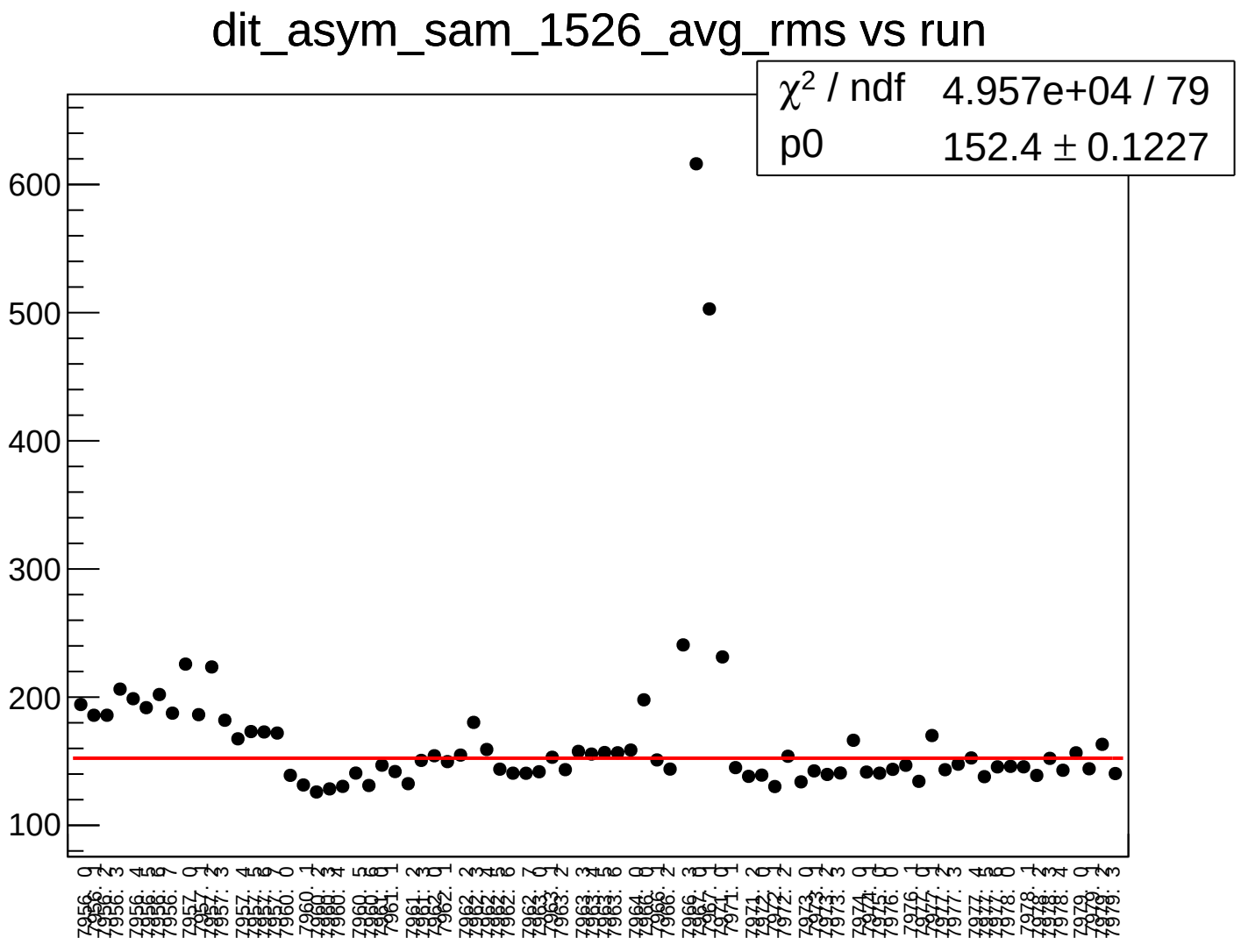

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1610 / 79
p0 2618 ± 2.076
2900
2800
2700
2600
2500
2400

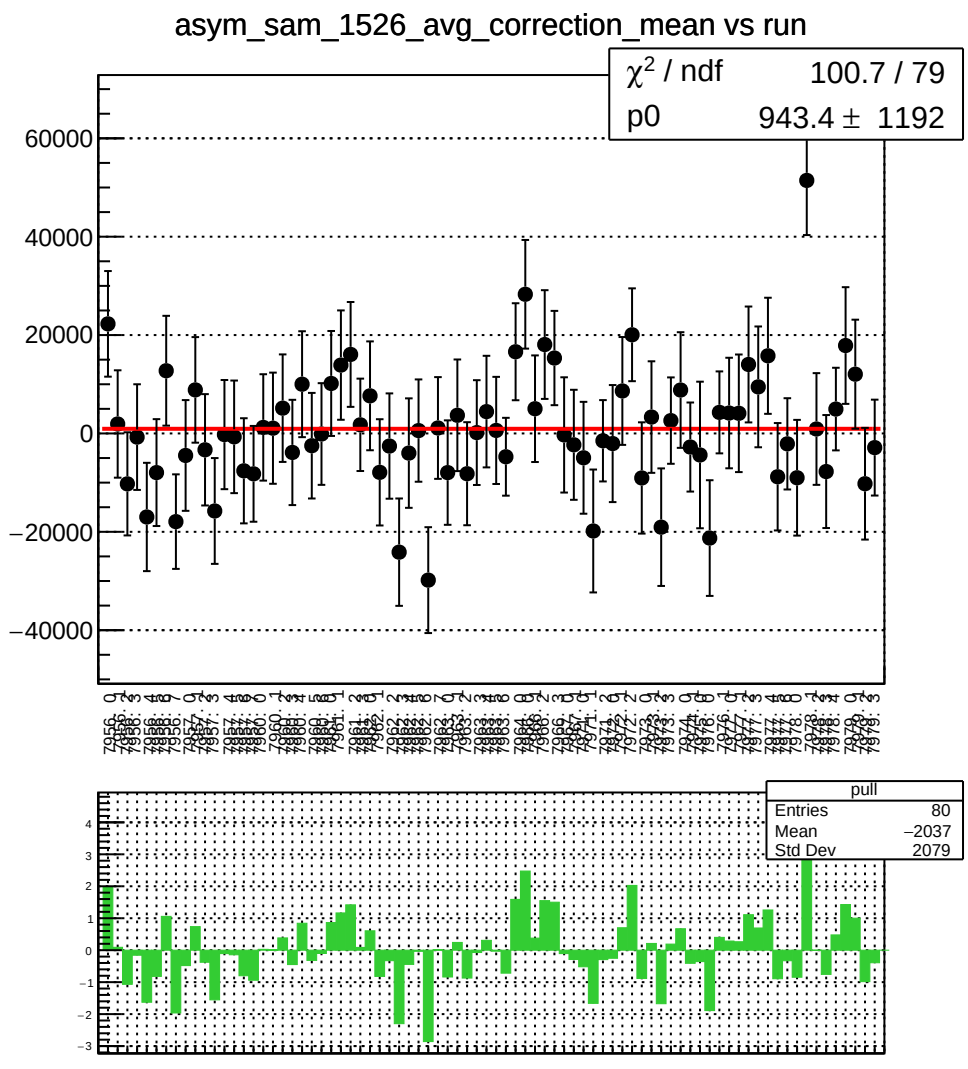

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 97.84 / 79
p0 −1816 ± 2929
100
50
0
−50
−100
−150
pull
Entries 80
Mean 3418
Std Dev 3378
3
2
1
0
−1
−2
−3
−4

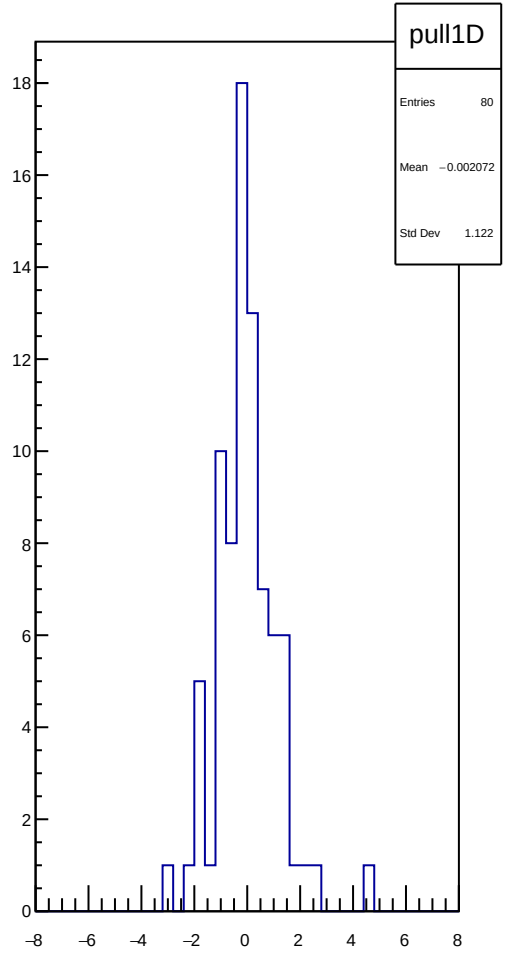

pull1D
Entries 80
Mean −0.001102
Std Dev 1.106
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

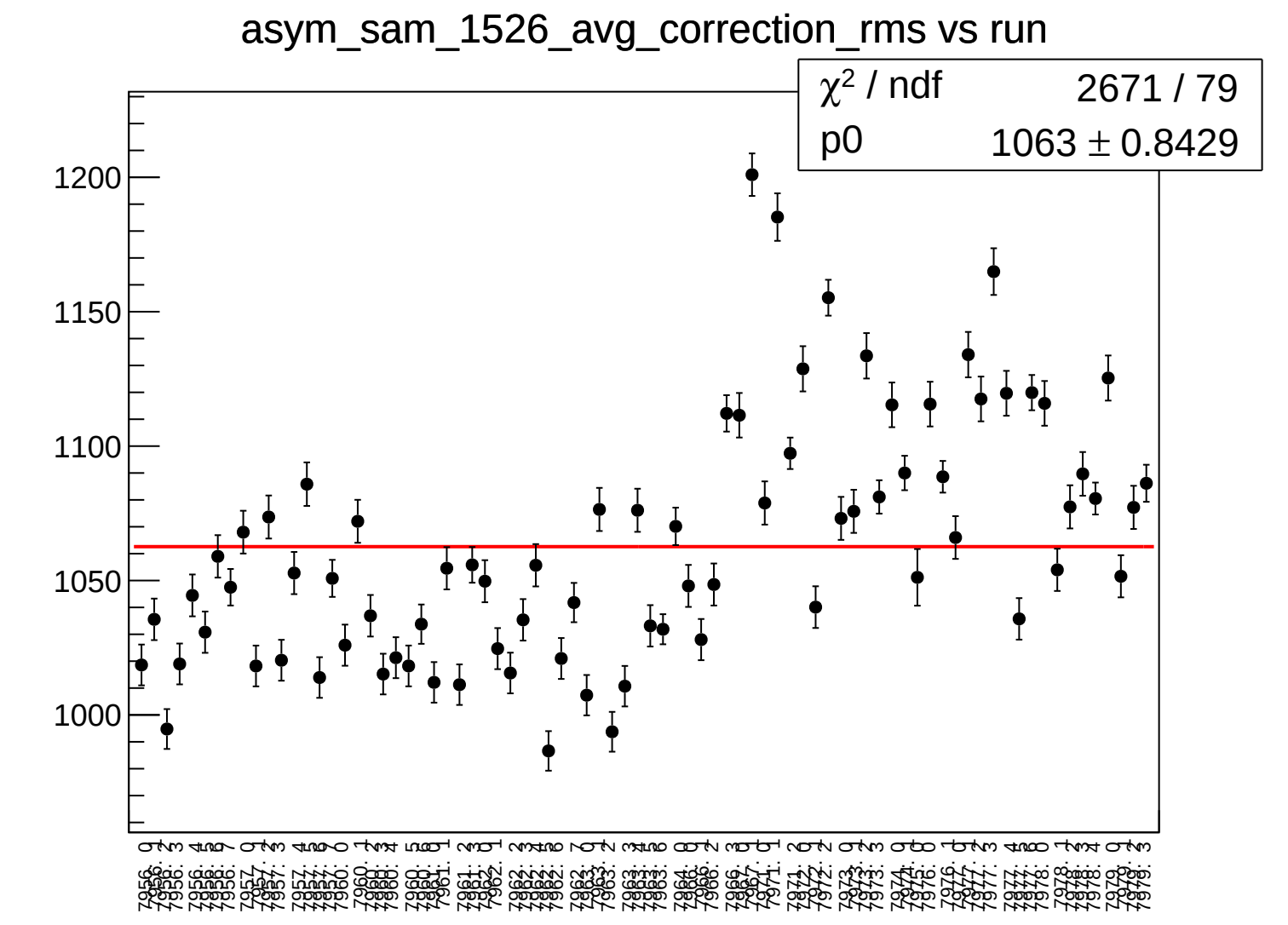

asym_sam_3748_avg_rms vs run
χ² / ndf 4160 / 79
p0 2609 ± 2.071
3400
3200
3000
2800
2600
2400

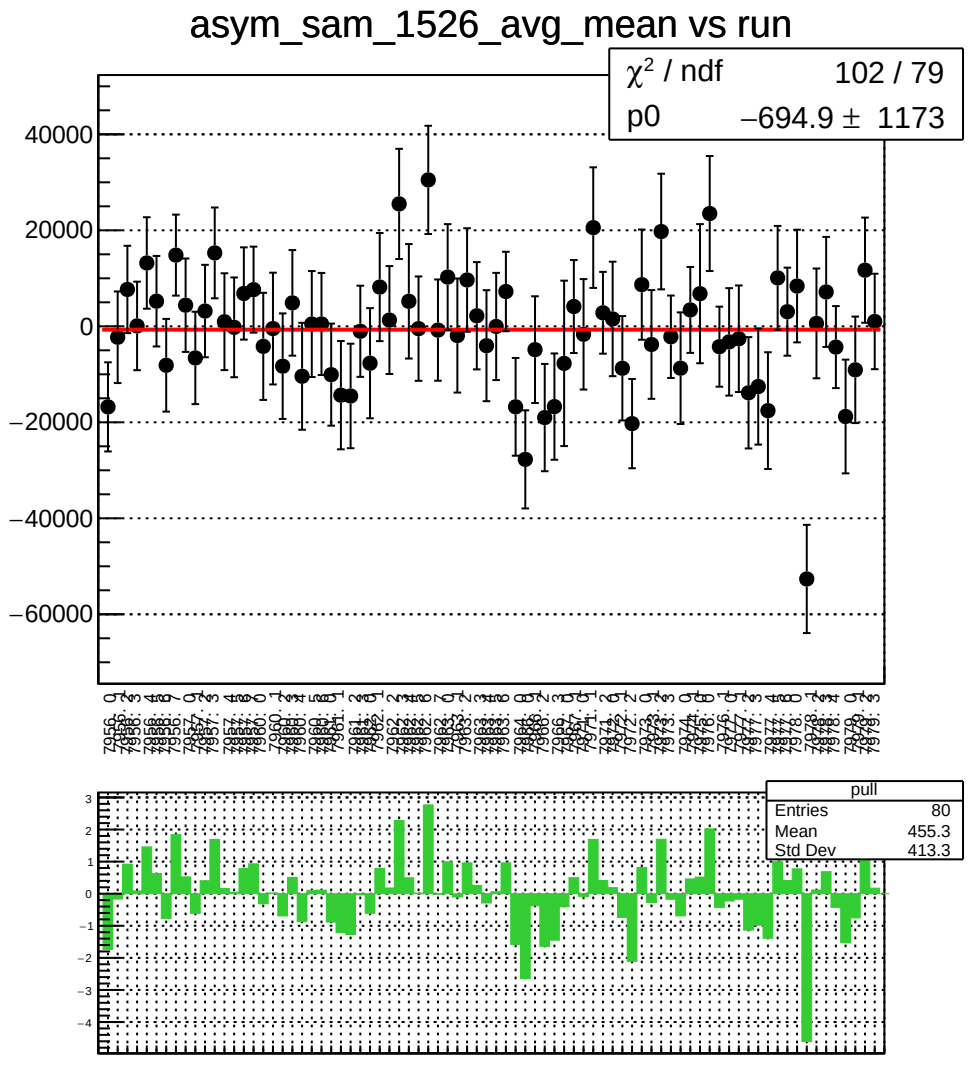

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 84.03 / 79
p0 159.2 ± 173.5
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −28.63
Std Dev 54.82
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.03341
Std Dev 1.024
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

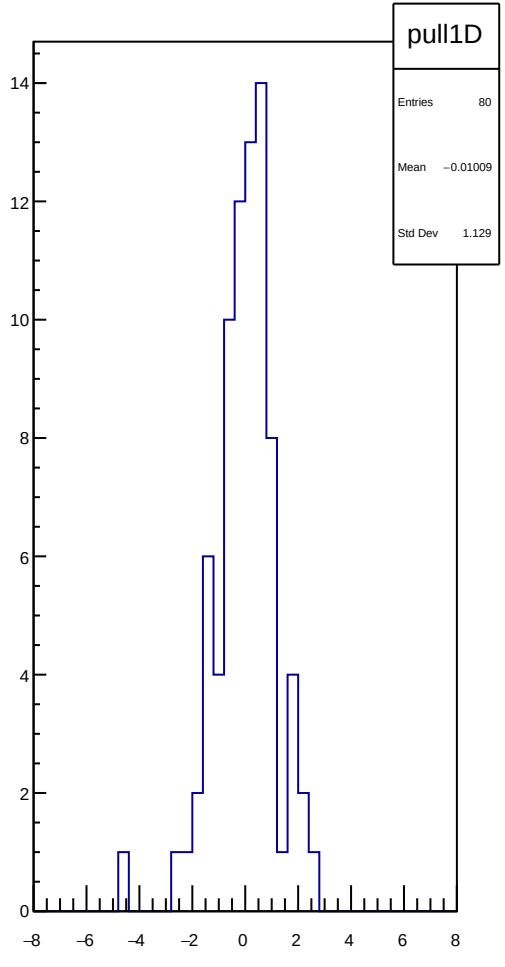

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 4.957e+04 / 79
p0 152.4 ± 0.1227
600
500
400
300
200
100

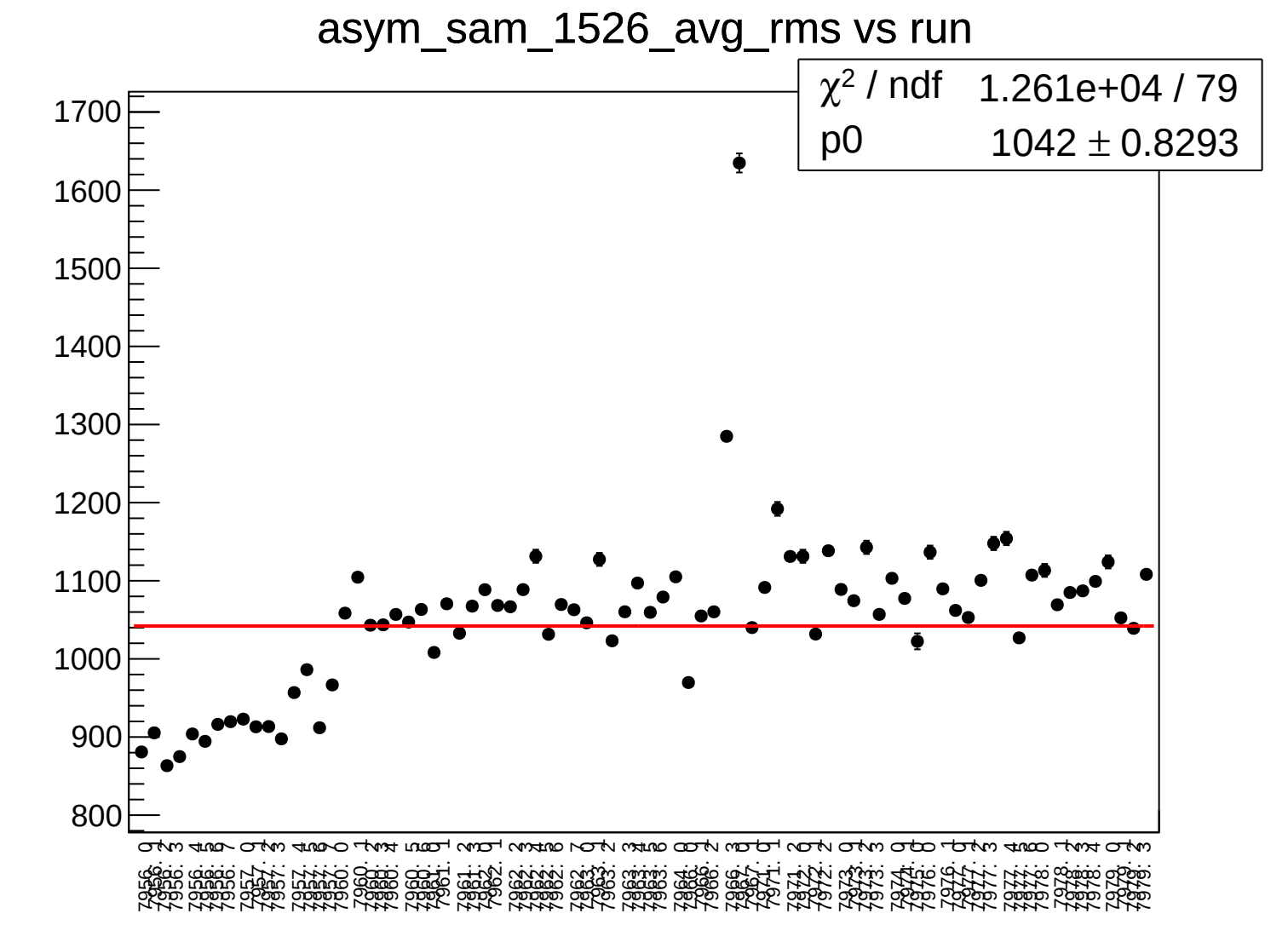

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 100.7 / 79
p0 943.4 ± 1192
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −2037
Std Dev 2079
4
3
2
1
0
−1
−2
−3

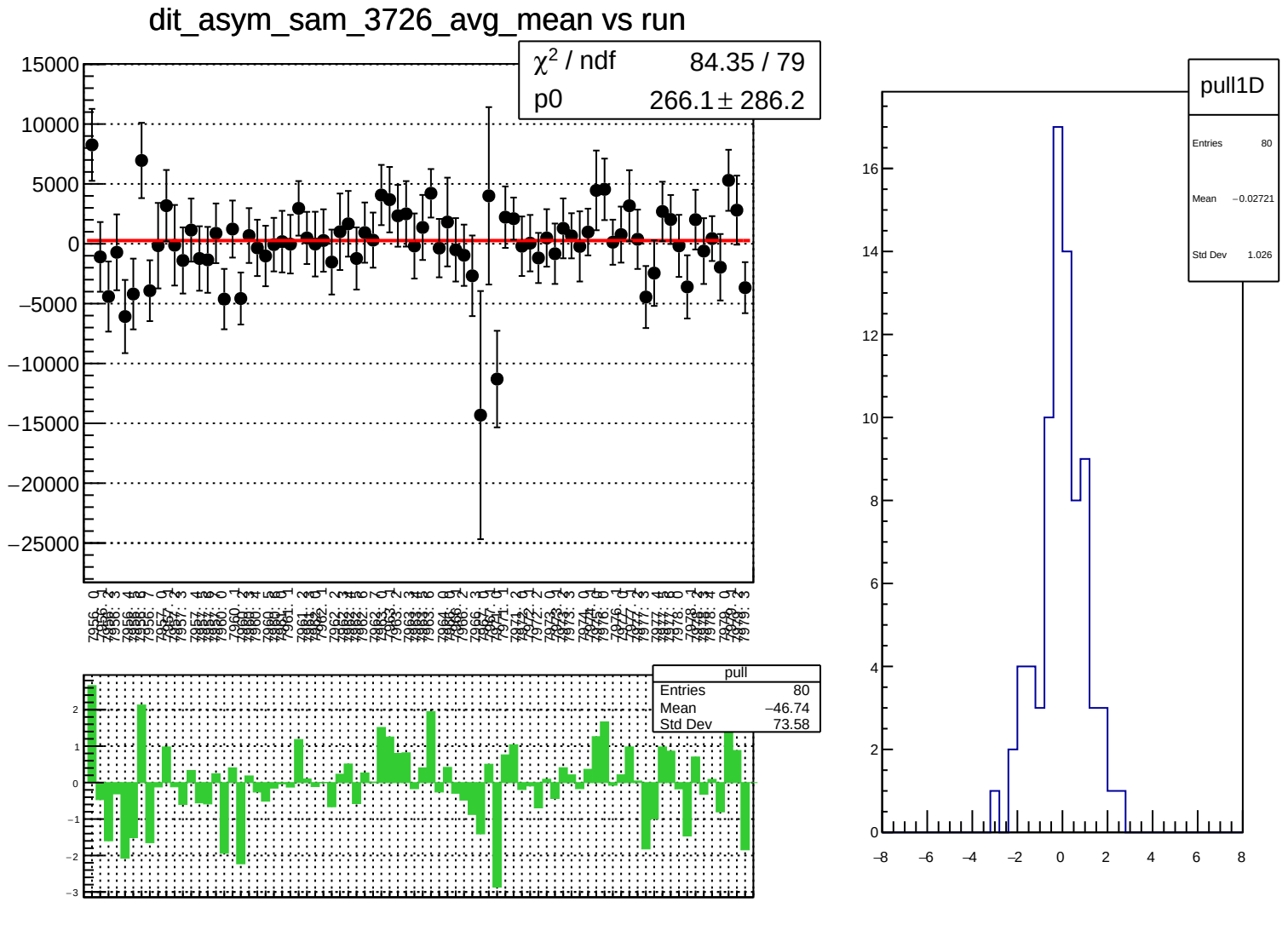

pull1D
Entries 80
Mean −0.002072
Std Dev 1.122
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

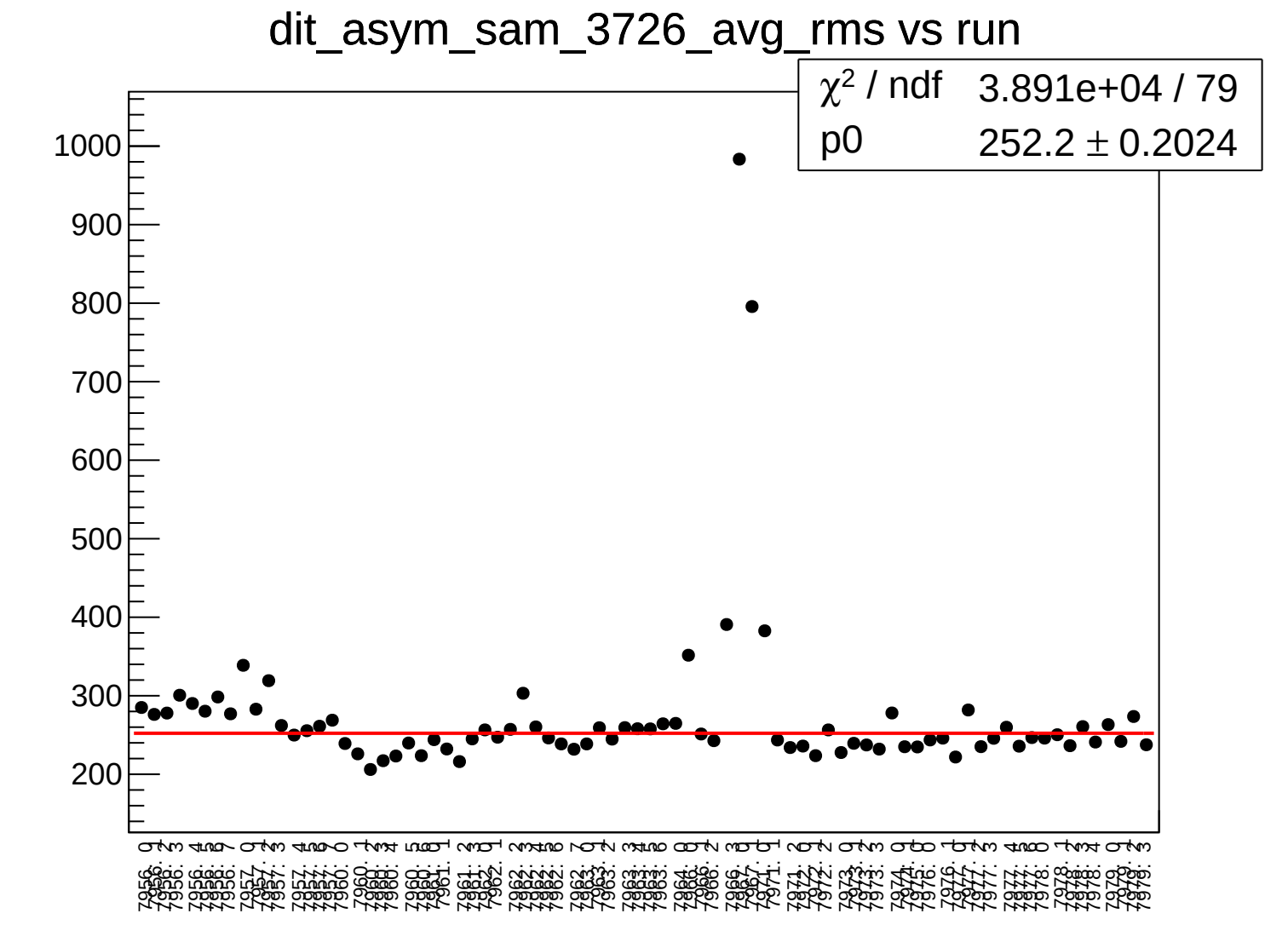

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2671 / 79
p0 1063 ± 0.8429
1200
1150
1100
1050
1000

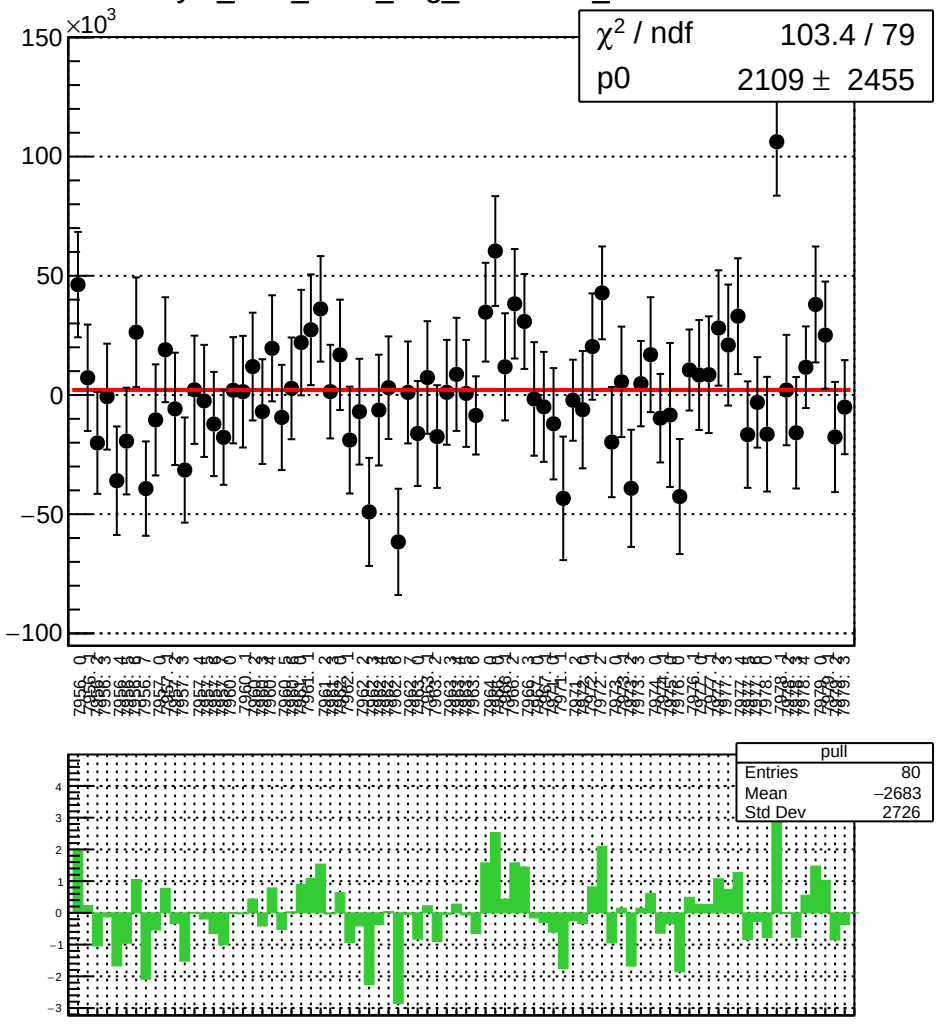

asym_sam_1526_avg_mean vs run
χ² / ndf 102 / 79
p0 −694.9 ± 1173
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 455.3
Std Dev 413.3
3
2
1
0
−1
−2
−3
−4

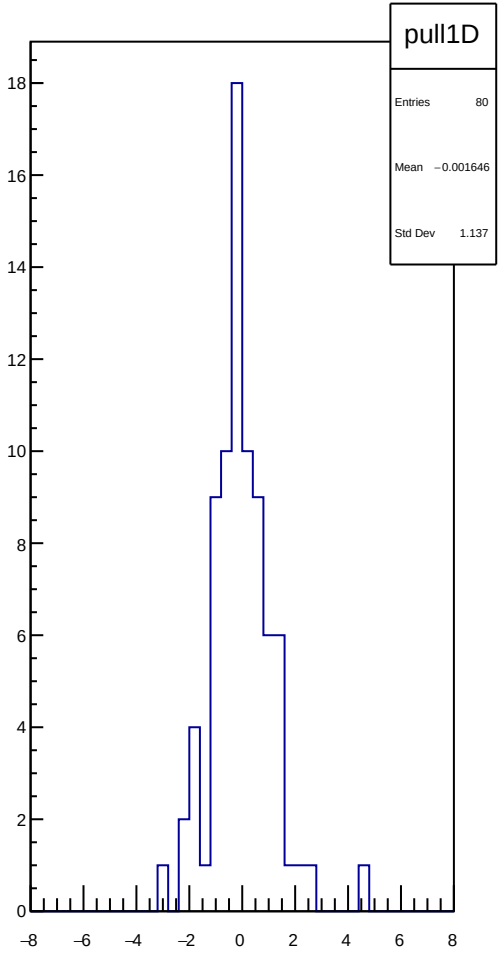

pull1D
Entries 80
Mean −0.01009
Std Dev 1.129
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

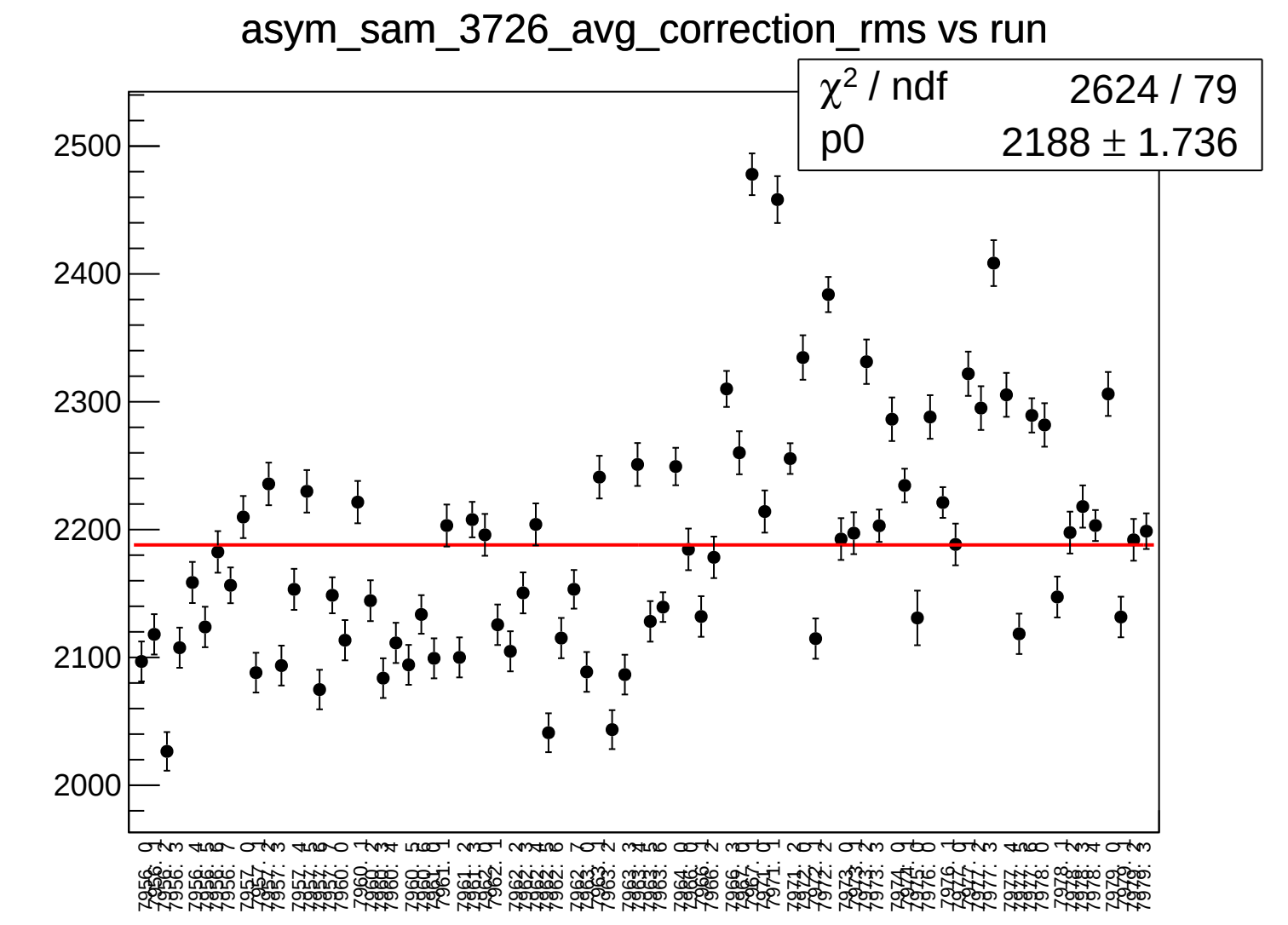

asym_sam_1526_avg_rms vs run
χ² / ndf 1.261e+04 / 79
p0 1042 ± 0.8293
1700
1600
1500
1400
1300
1200
1100
1000
900
800

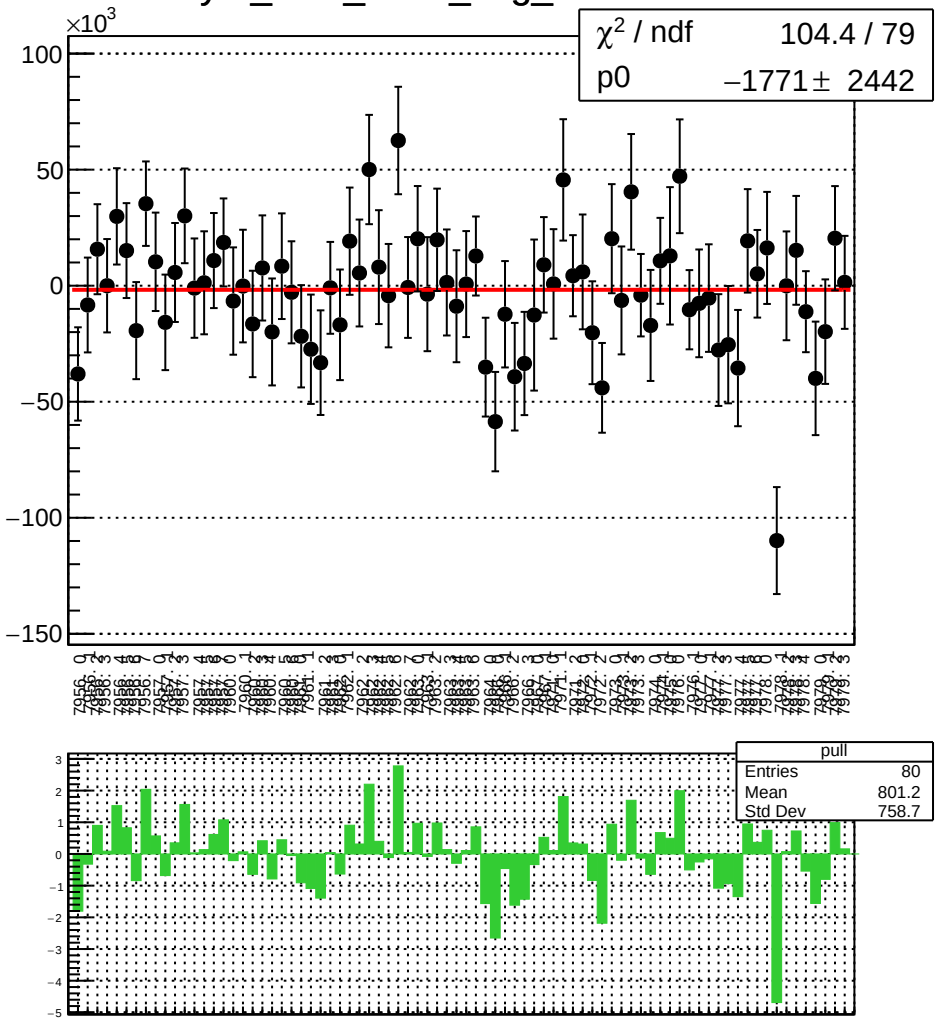

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 84.35 / 79
p0 266.1 ± 286.2
pull
Entries 80
Mean −46.74
Std Dev 73.58
pull1D
Entries 80
Mean −0.02721
Std Dev 1.026

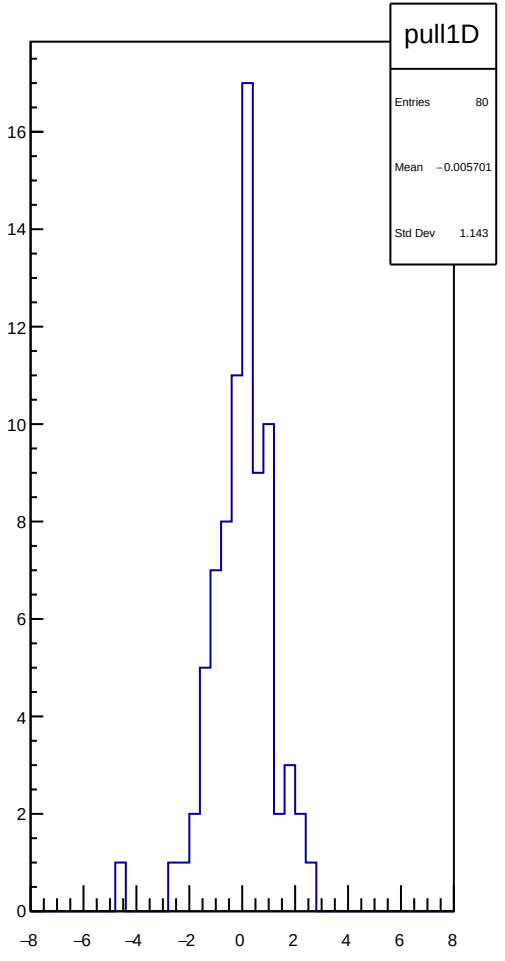

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.891e+04 / 79
p0 252.2 ± 0.2024
1000
900
800
700
600
500
400
300
200

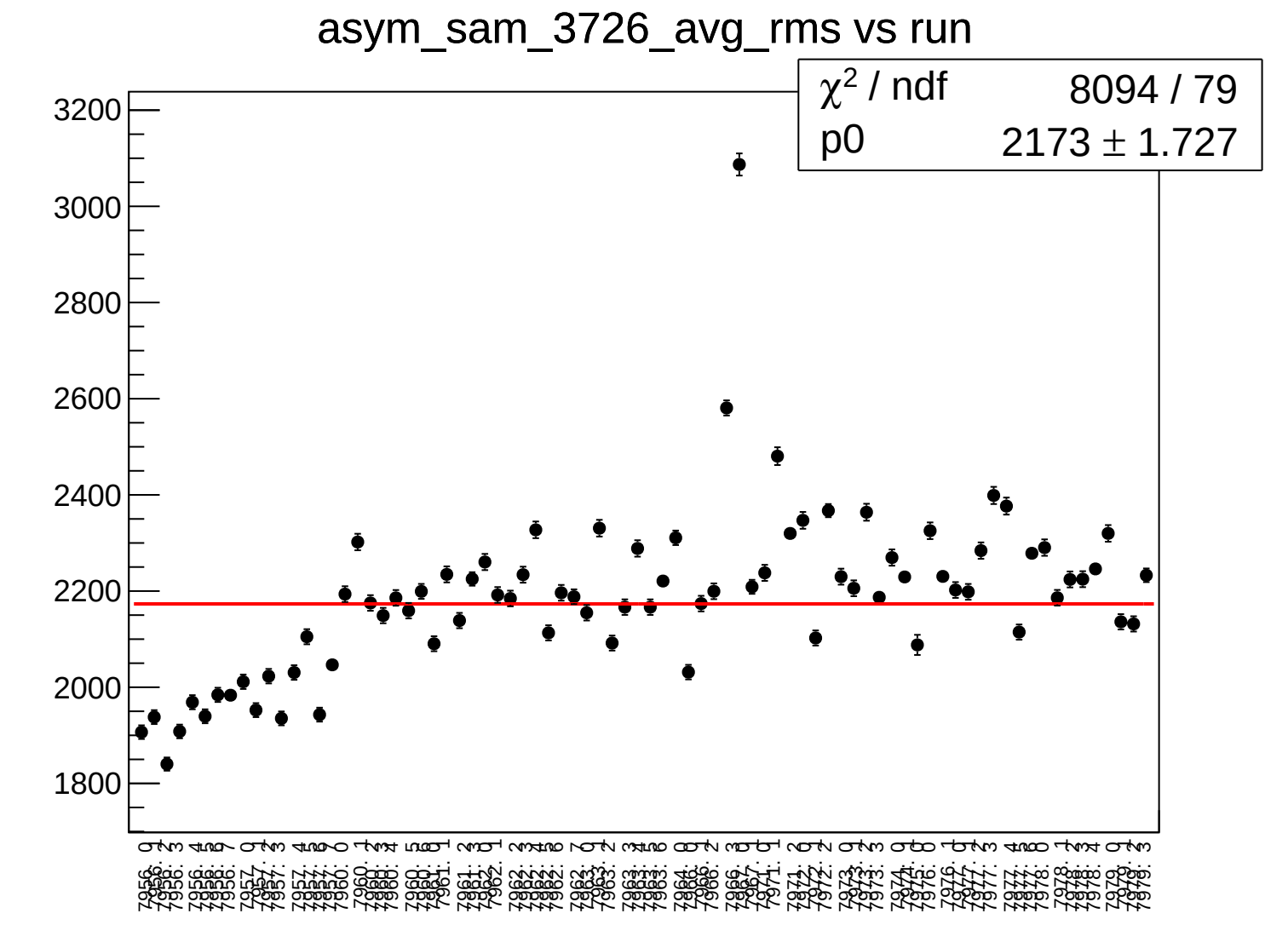

asym_sam_3726_avg_correction_mean vs run
×10^3
χ² / ndf 103.4 / 79
p0 2109 ± 2455
pull
Entries 80
Mean −2683
Std Dev 2726

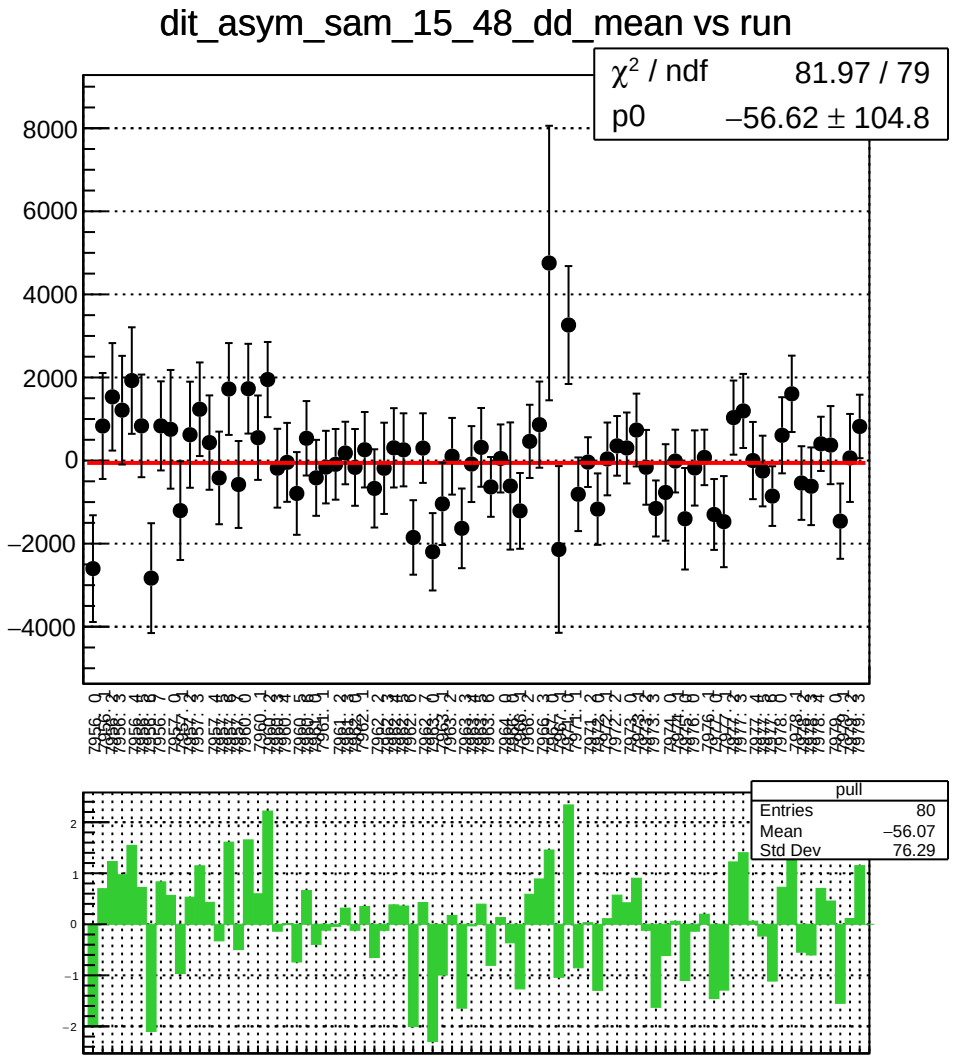

pull1D
Entries 80
Mean −0.001646
Std Dev 1.137

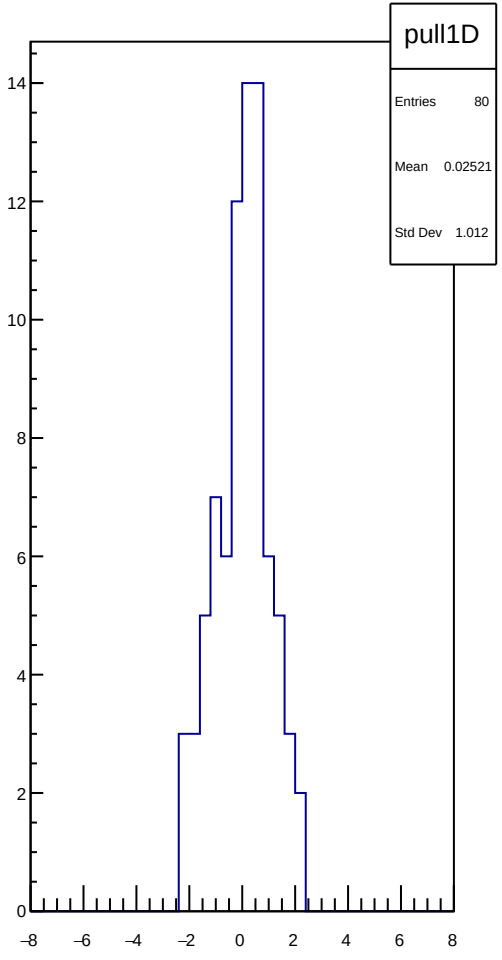

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 2624 / 79
p0 2188 ± 1.736
2500
2400
2300
2200
2100
2000

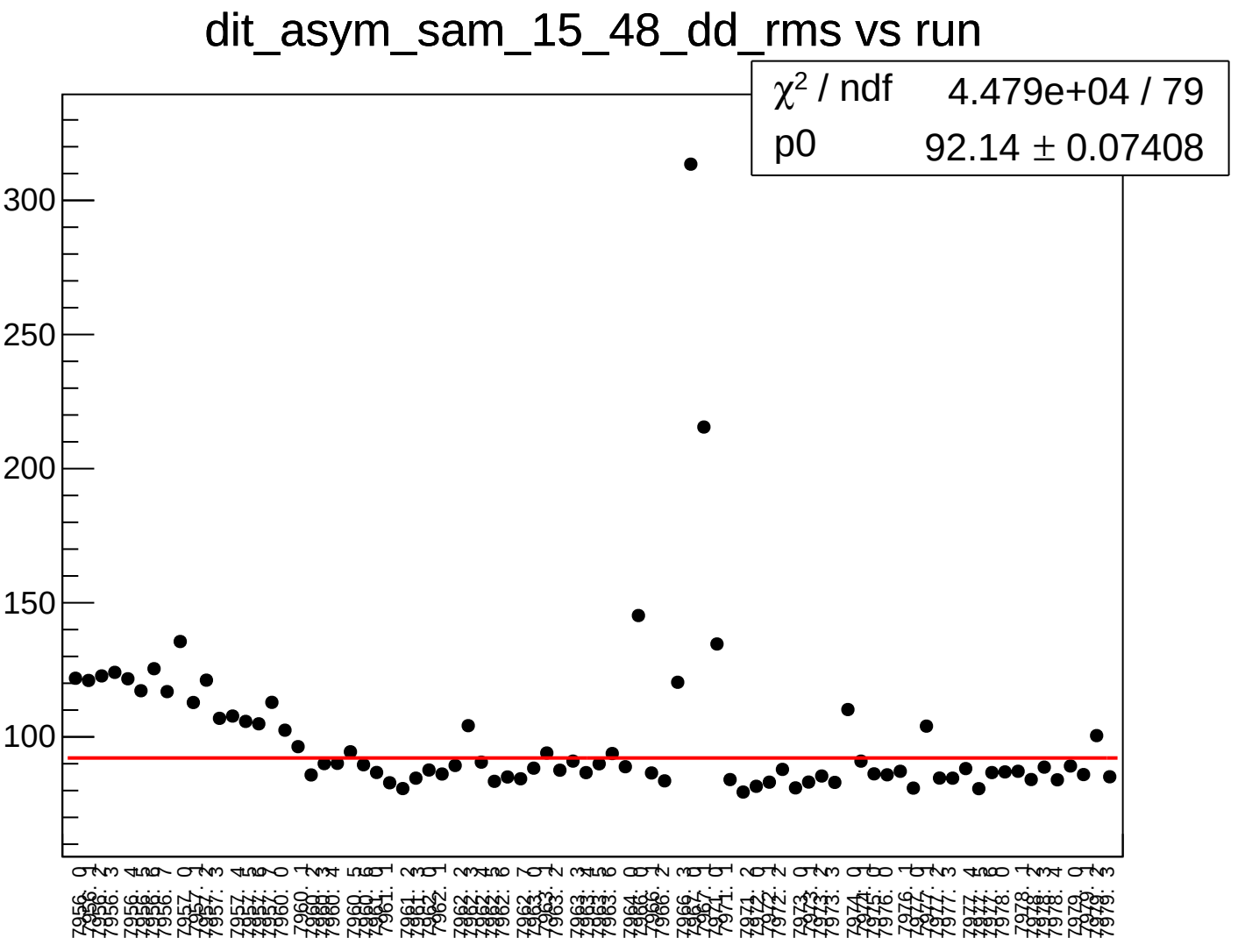

asym_sam_3726_avg_mean vs run
×10^3
χ² / ndf 104.4 / 79
p0 −1771 ± 2442
pull
Entries 80
Mean 801.2
Std Dev 758.7

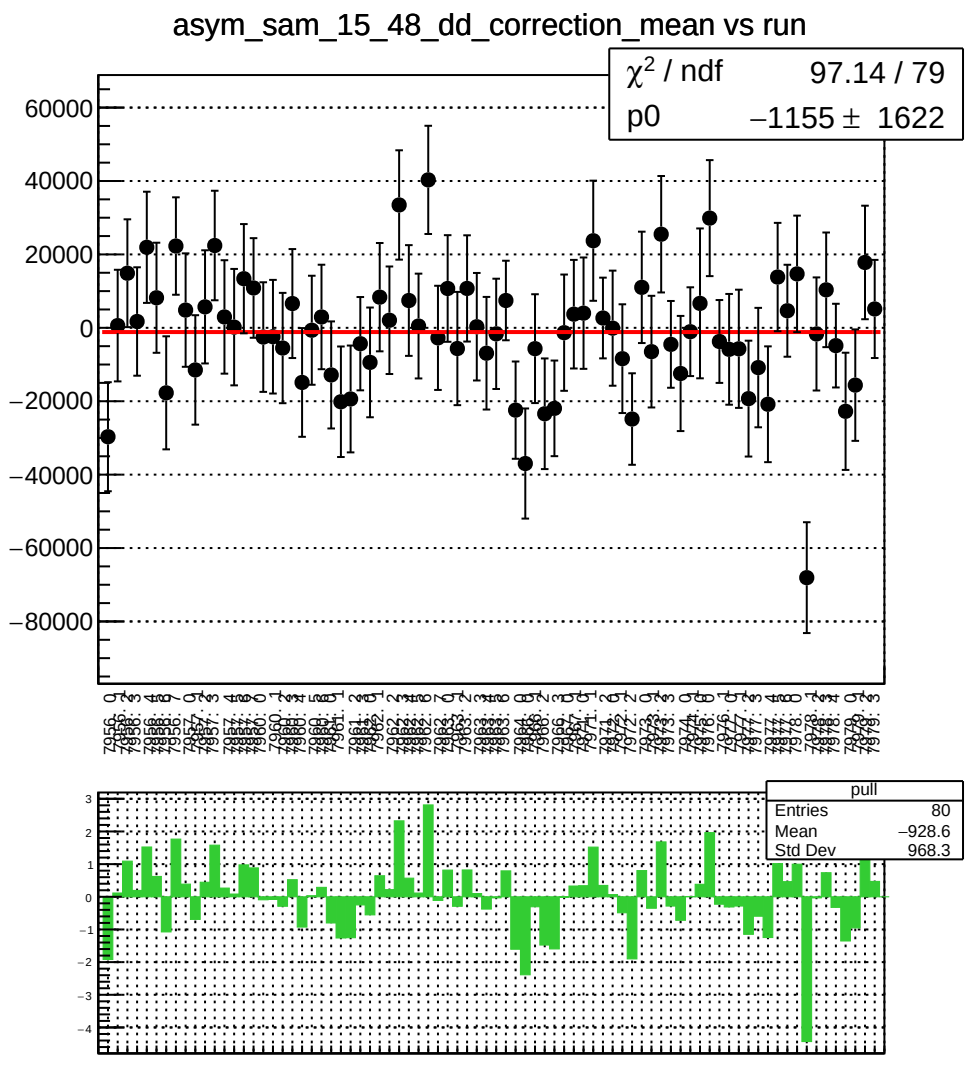

pull1D
Entries 80
Mean −0.005701
Std Dev 1.143

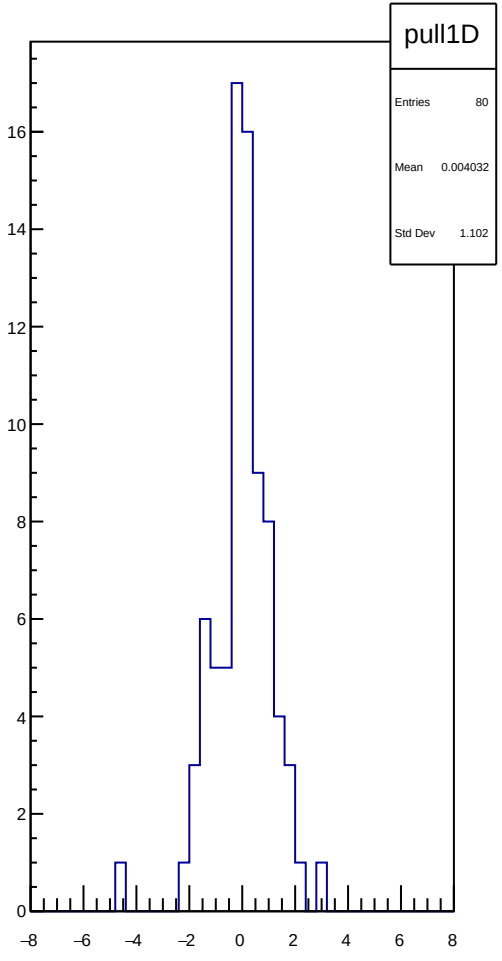

asym_sam_3726_avg_rms vs run
χ² / ndf 8094 / 79
p0 2173 ± 1.727
3200
3000
2800
2600
2400
2200
2000
1800

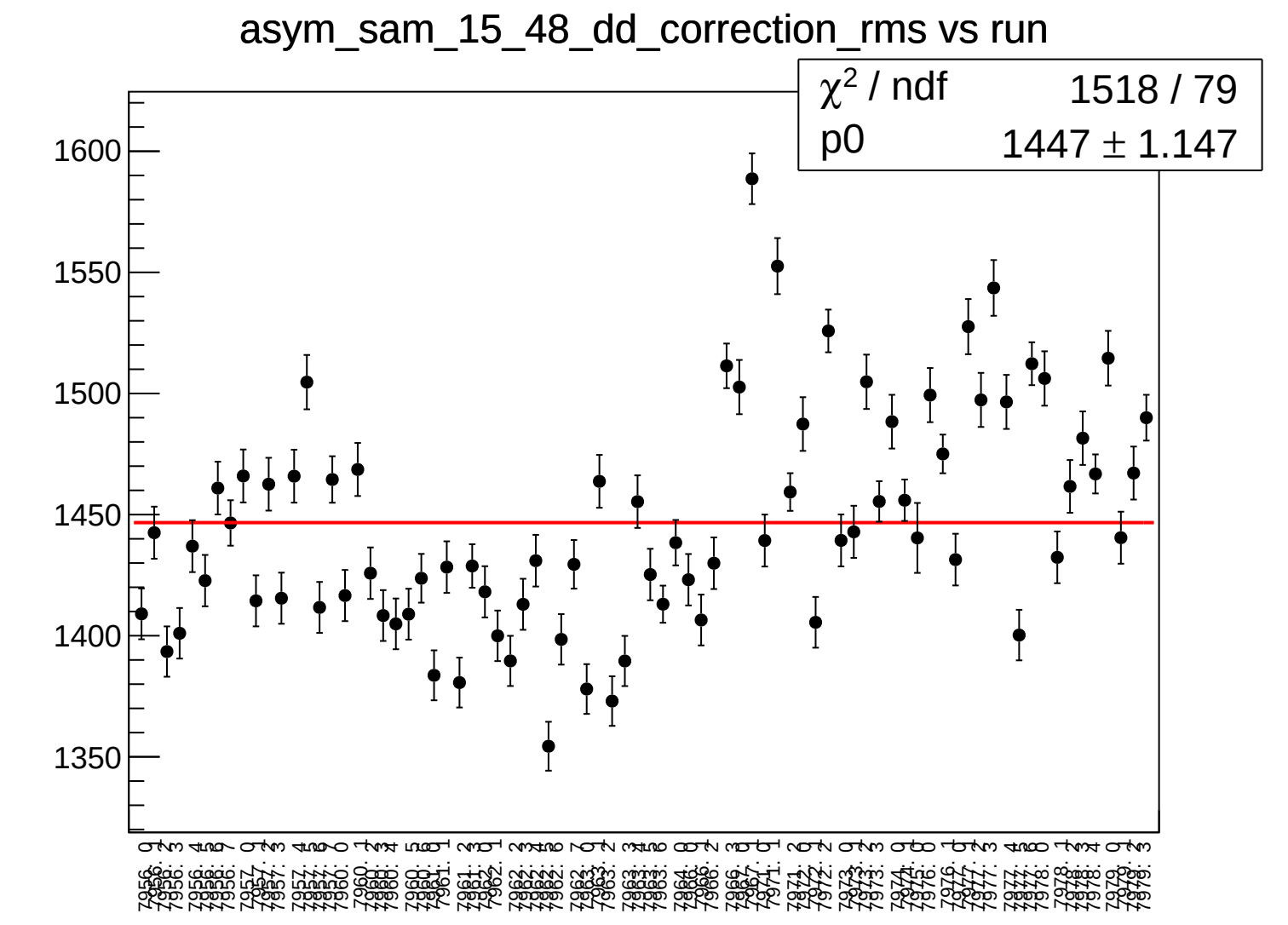

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 81.97 / 79
p0 −56.62 ± 104.8
pull
Entries 80
Mean −56.07
Std Dev 76.29

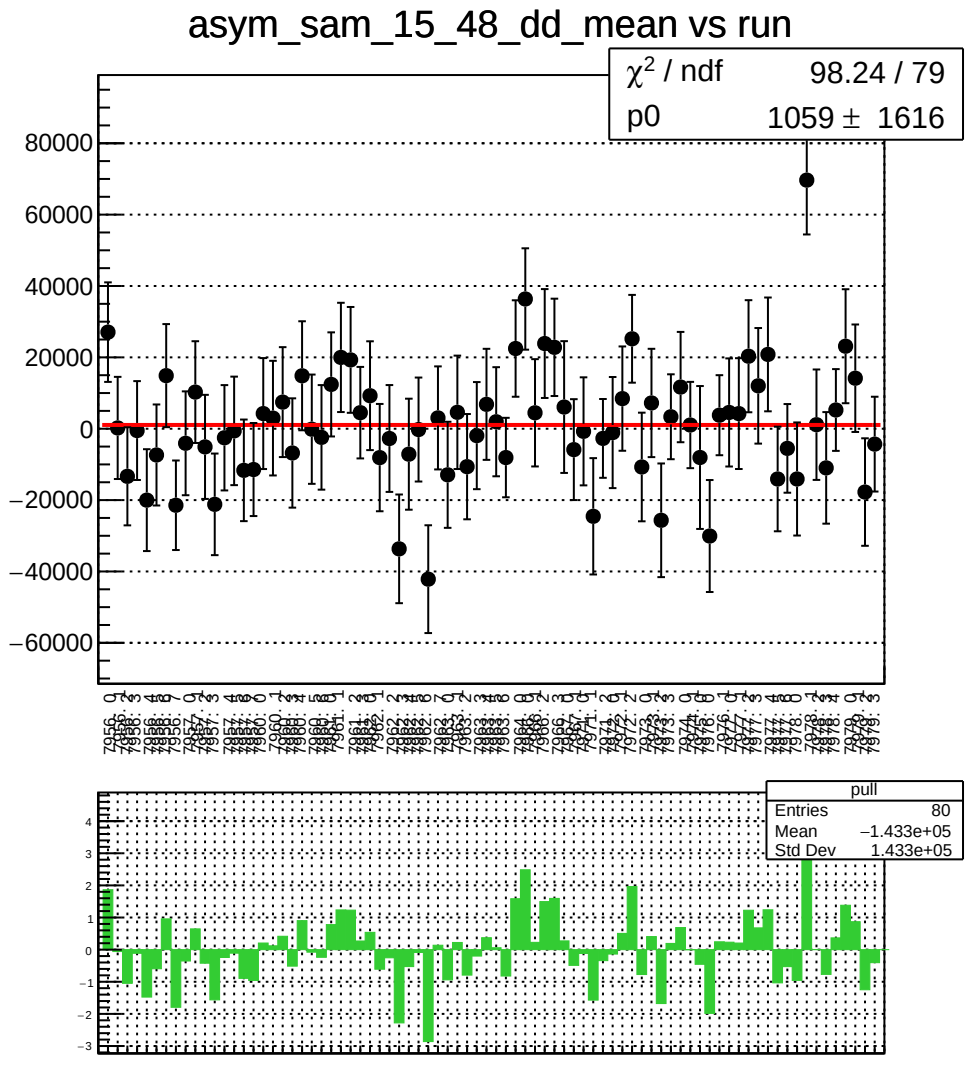

pull1D
Entries 80
Mean 0.02521
Std Dev 1.012

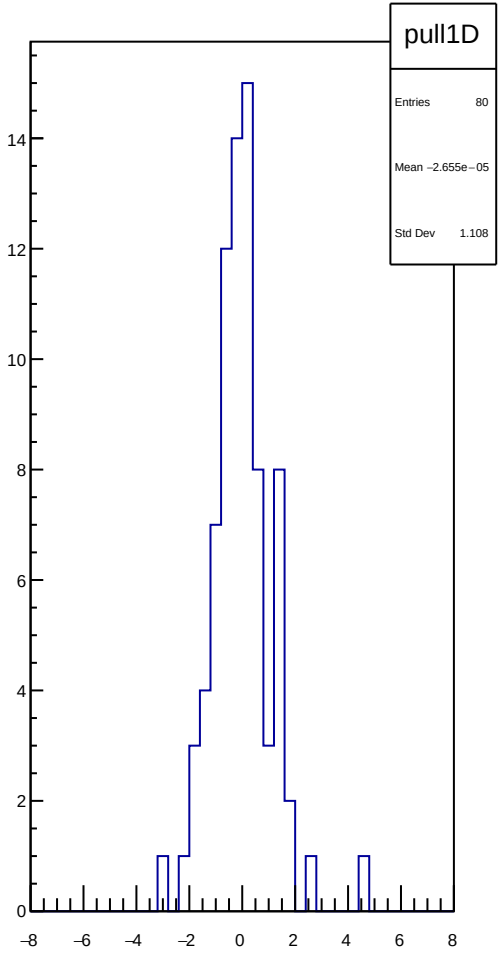

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.479e+04 / 79
p0 92.14 ± 0.07408
300
250
200
150
100

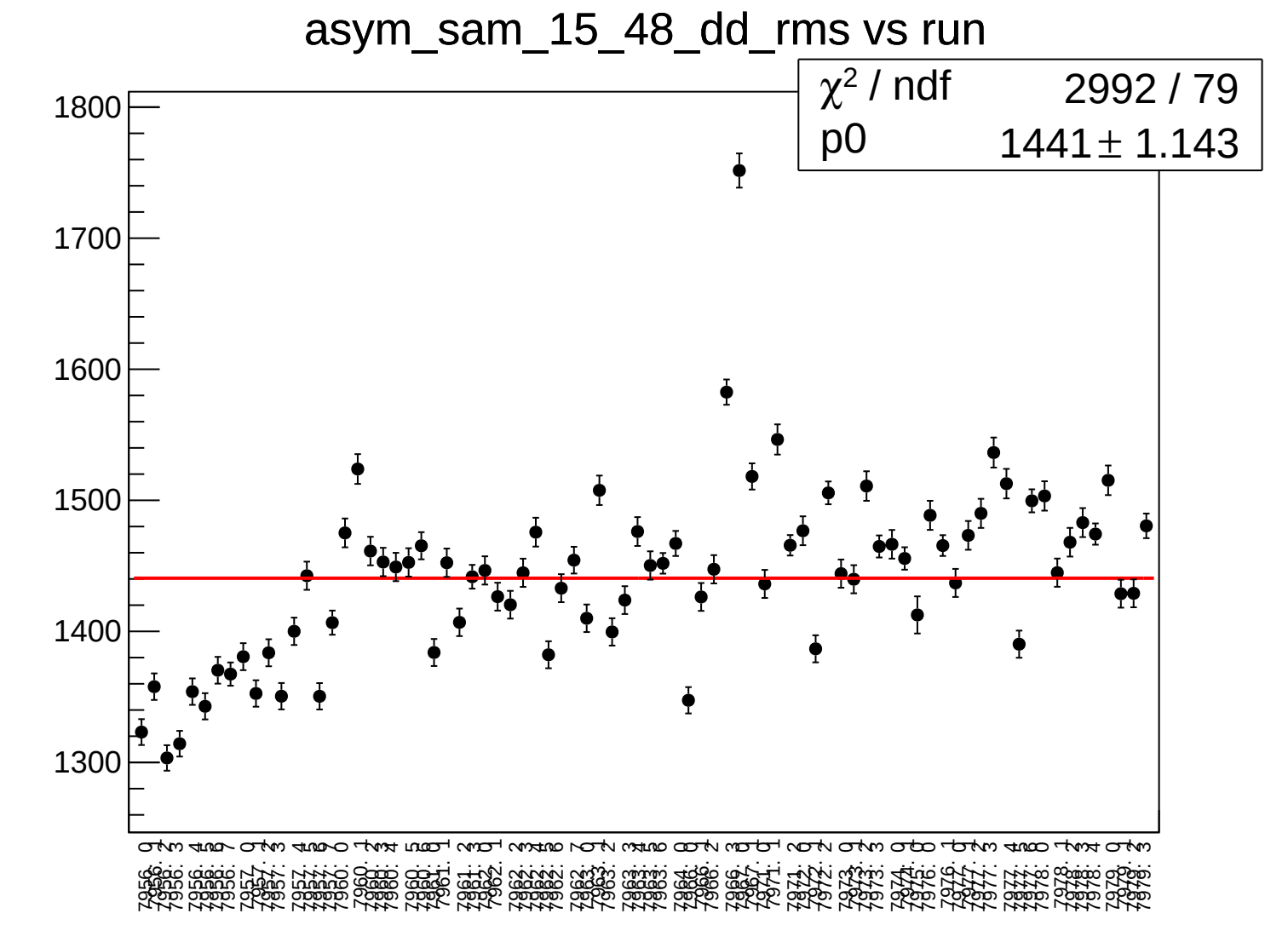

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 97.14 / 79
p0 −1155 ± 1622
pull
Entries 80
Mean −928.6
Std Dev 968.3

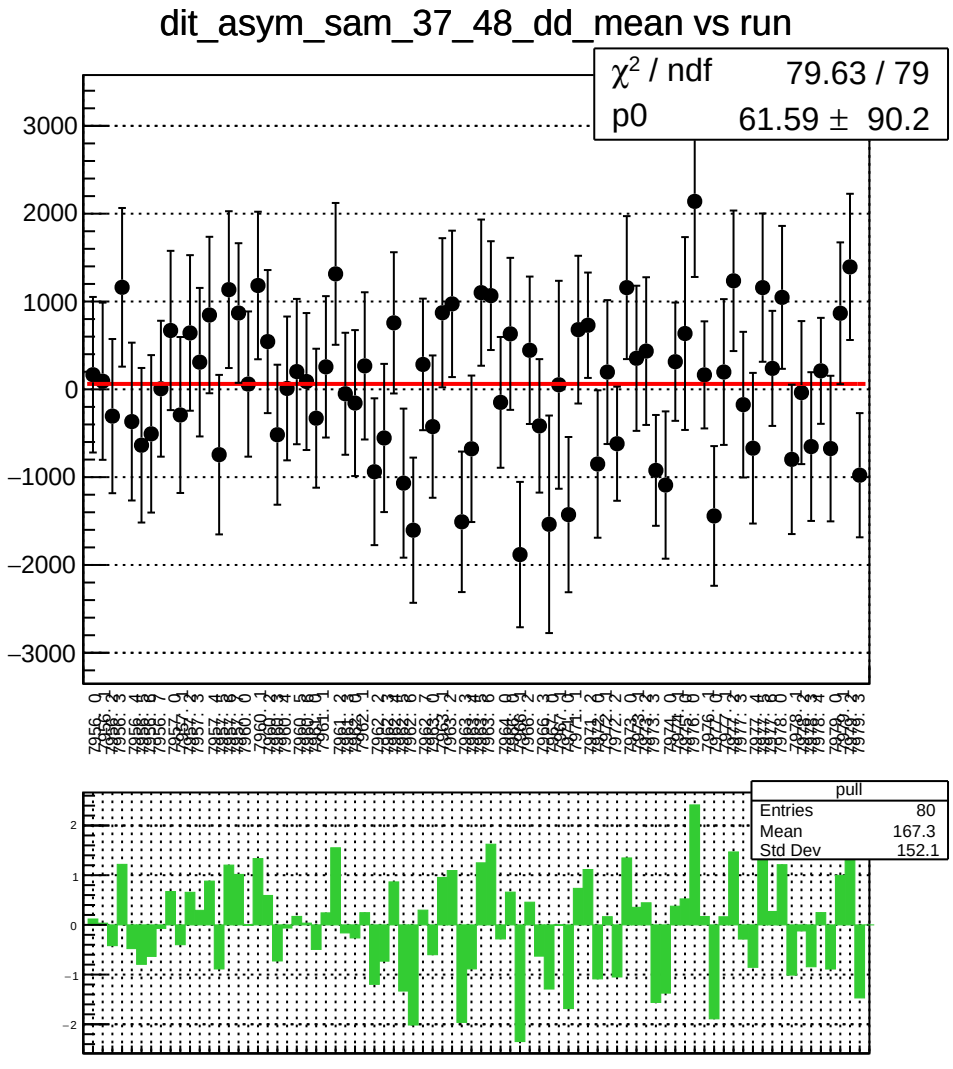

pull1D
Entries 80
Mean 0.004032
Std Dev 1.102

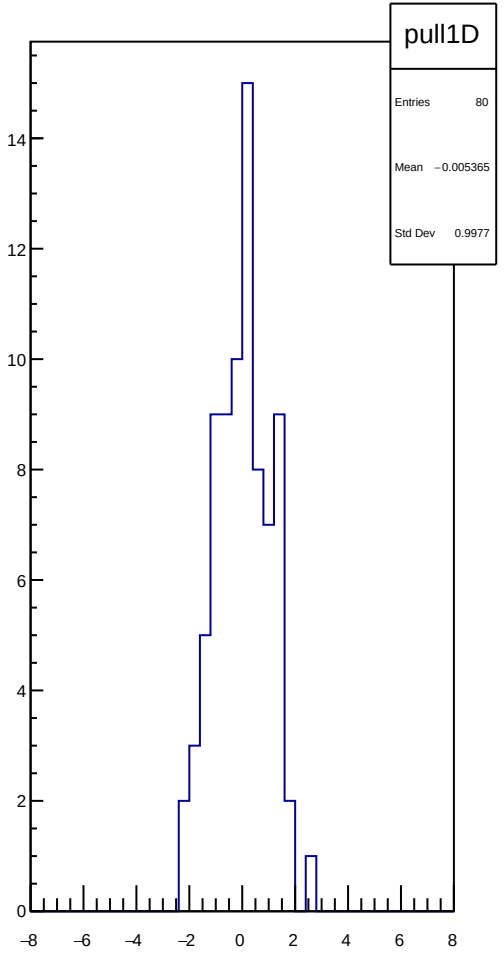

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1518 / 79
p0 1447 ± 1.147
1600
1550
1500
1450
1400
1350

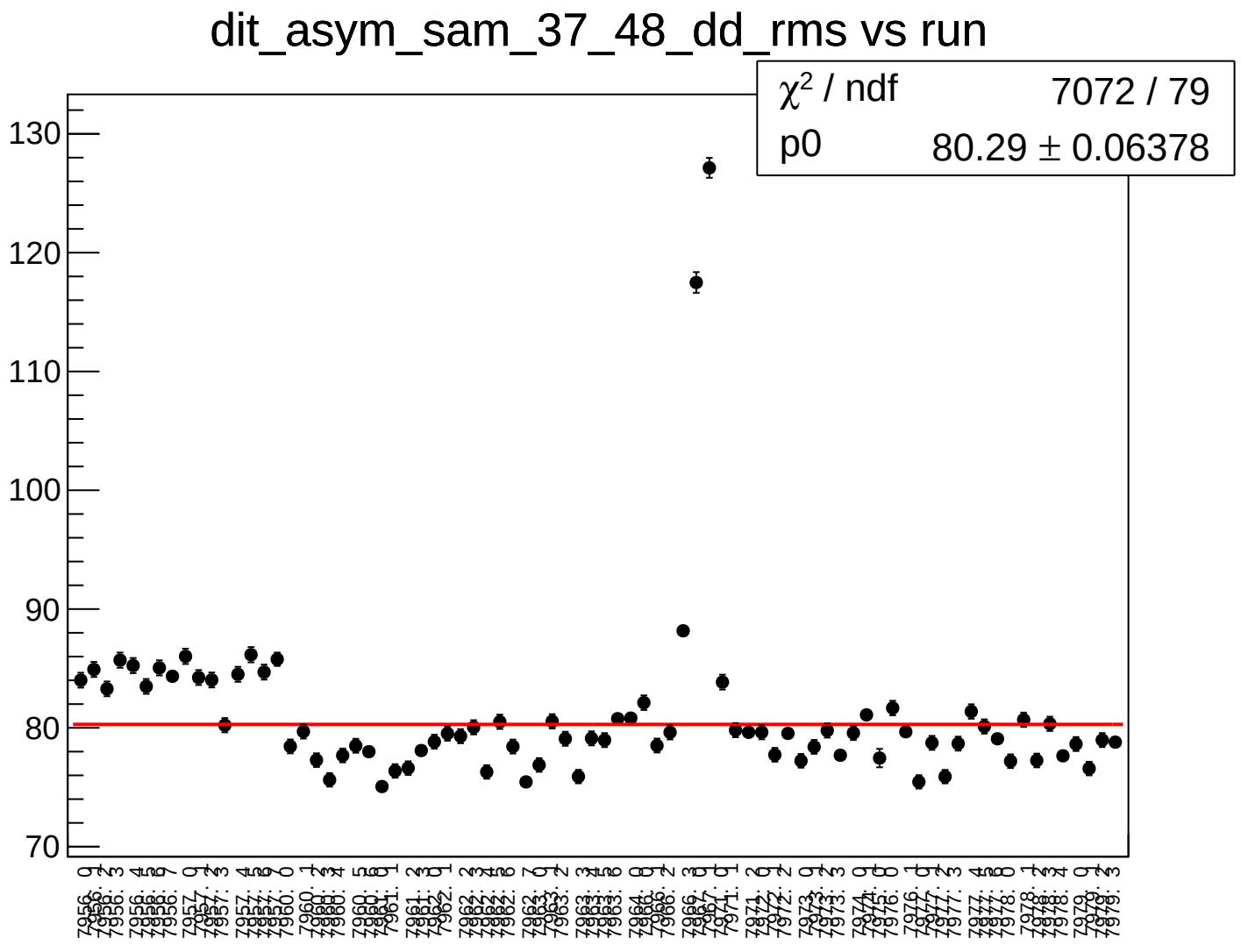

asym_sam_15_48_dd_mean vs run
χ² / ndf 98.24 / 79
p0 1059 ± 1616
pull
Entries 80
Mean −1.433e+05
Std Dev 1.433e+05

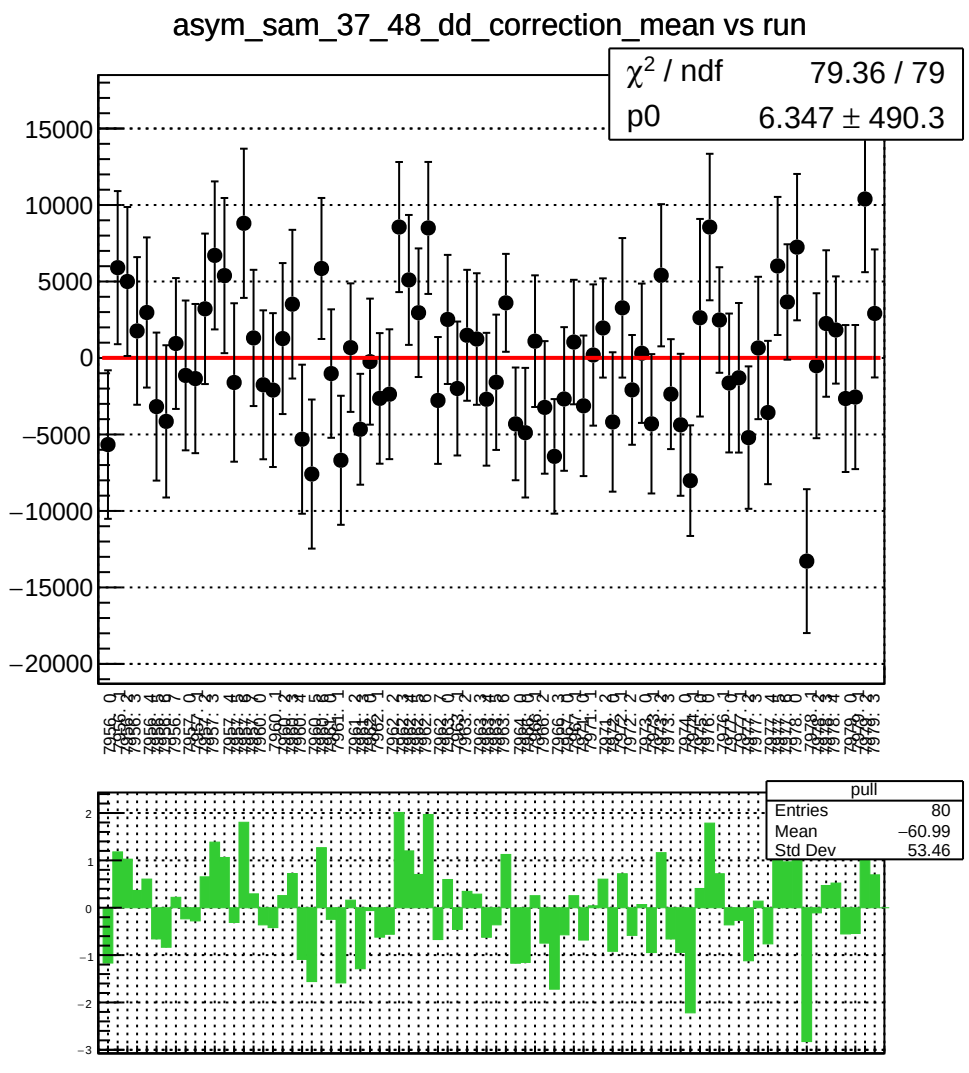

pull1D
Entries 80
Mean −2.655e−05
Std Dev 1.108

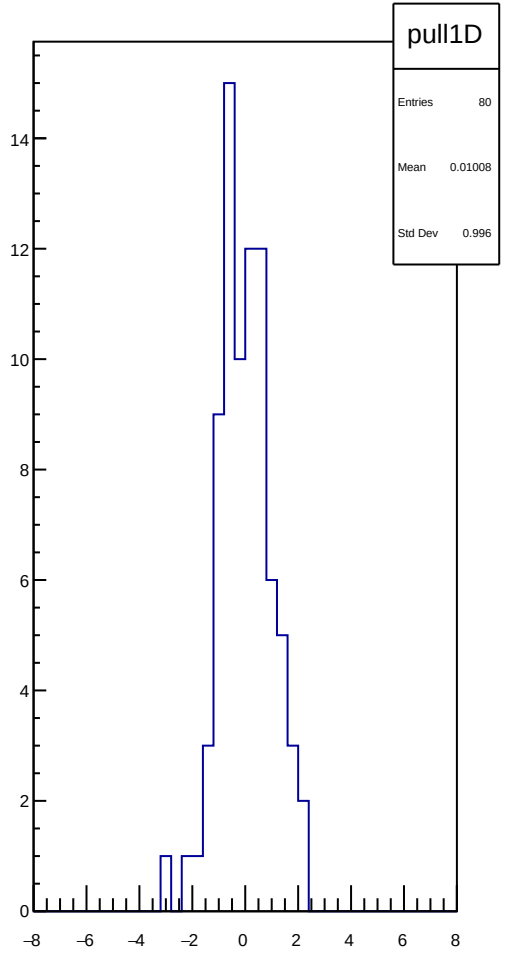

asym_sam_15_48_dd_rms vs run
χ² / ndf 2992 / 79
p0 1441 ± 1.143
1800
1700
1600
1500
1400
1300

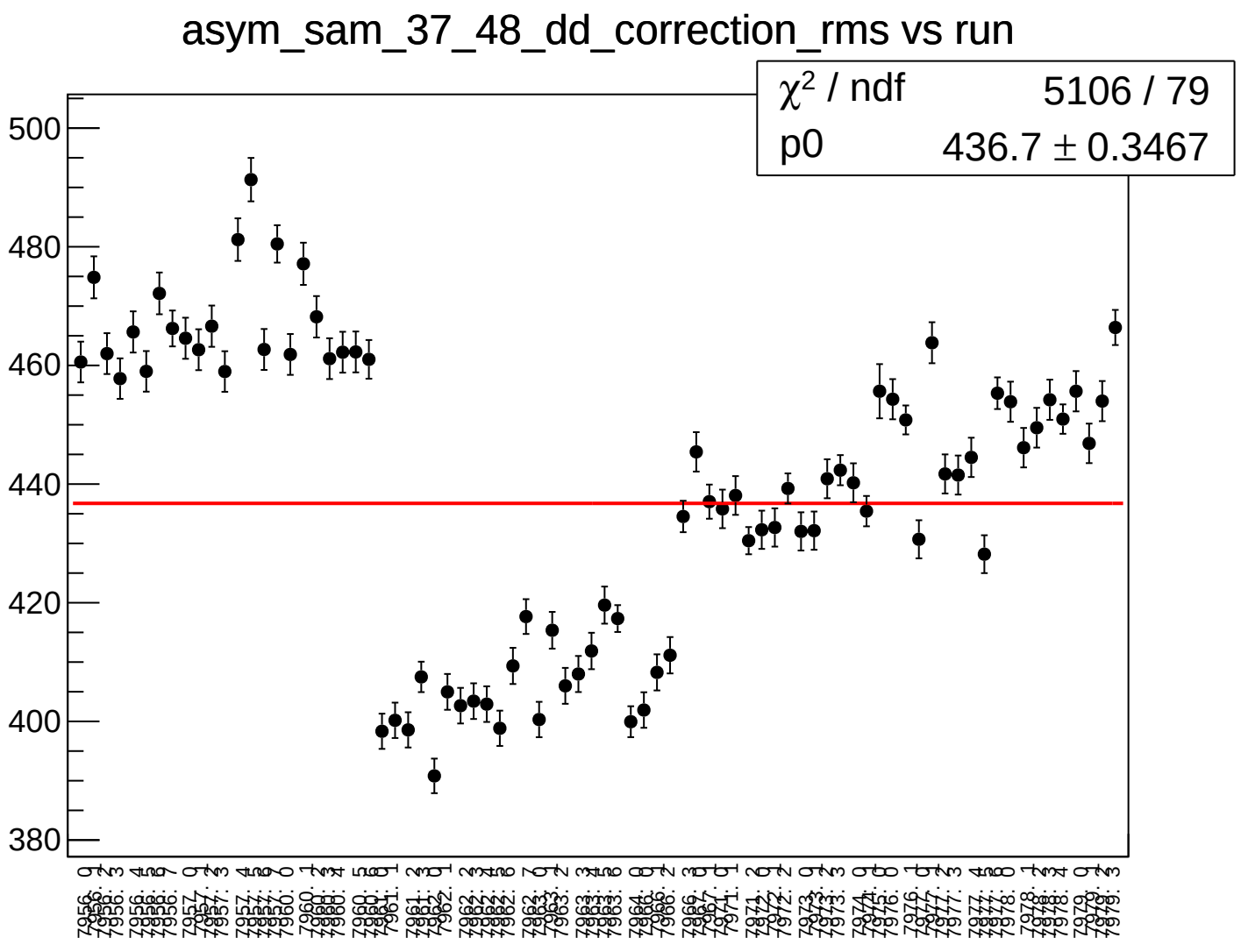

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 79.63 / 79
p0 61.59 ± 90.2
pull
Entries 80
Mean 167.3
Std Dev 152.1

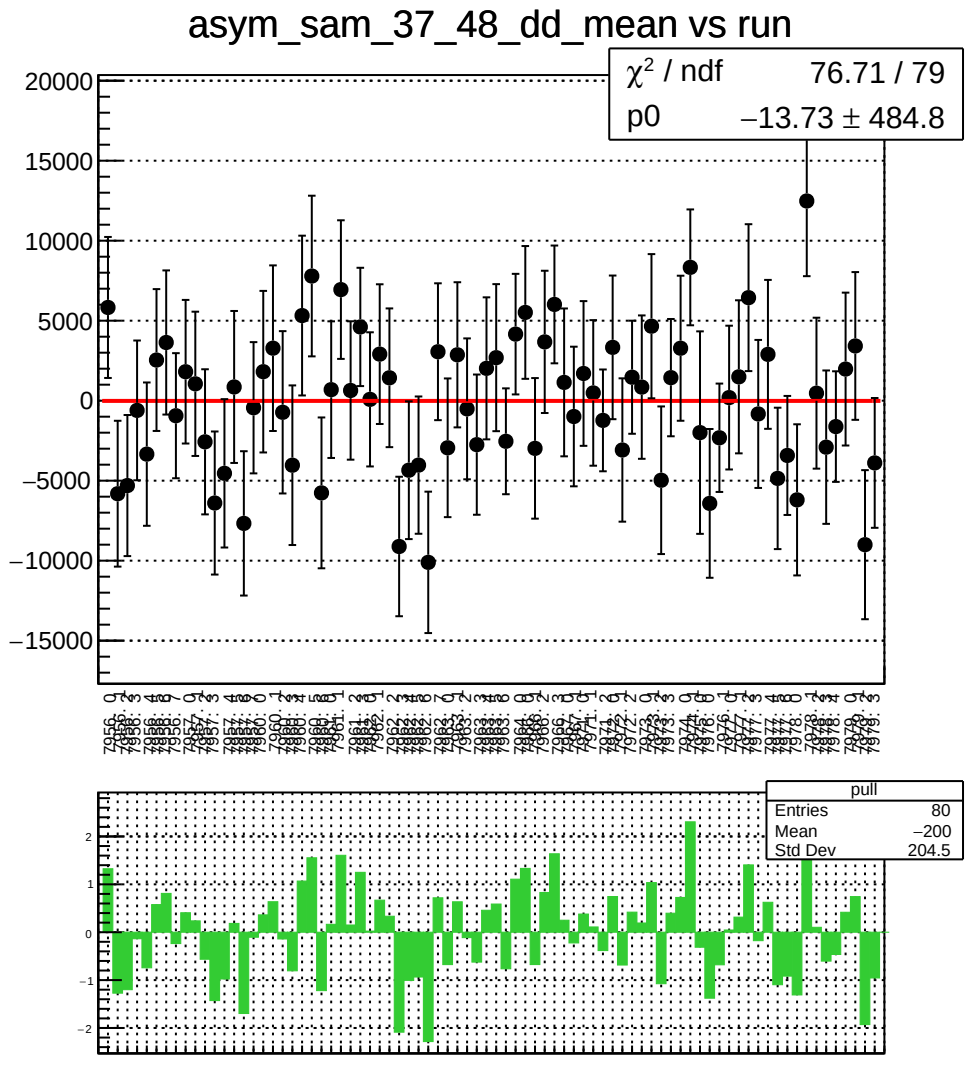

pull1D
Entries 80
Mean −0.005365
Std Dev 0.9977

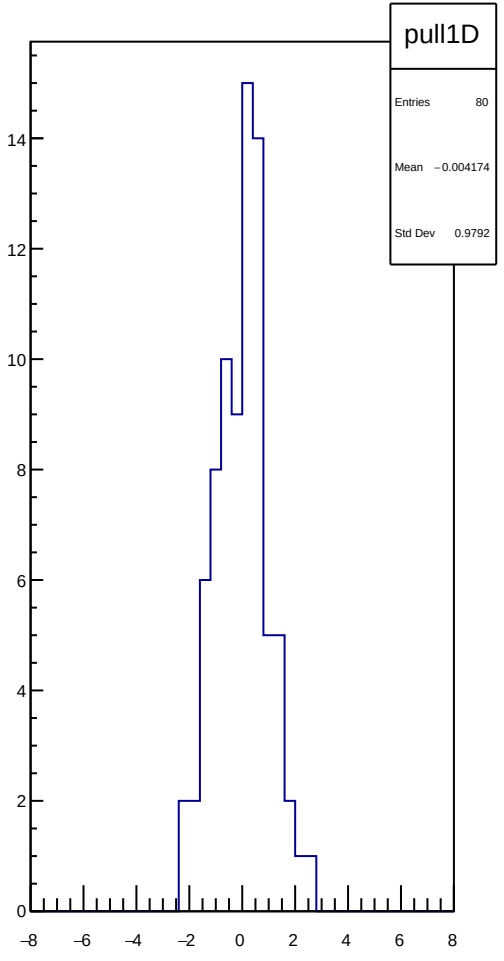

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 7072 / 79
p0 80.29 ± 0.06378
130
120
110
100
90
80
70

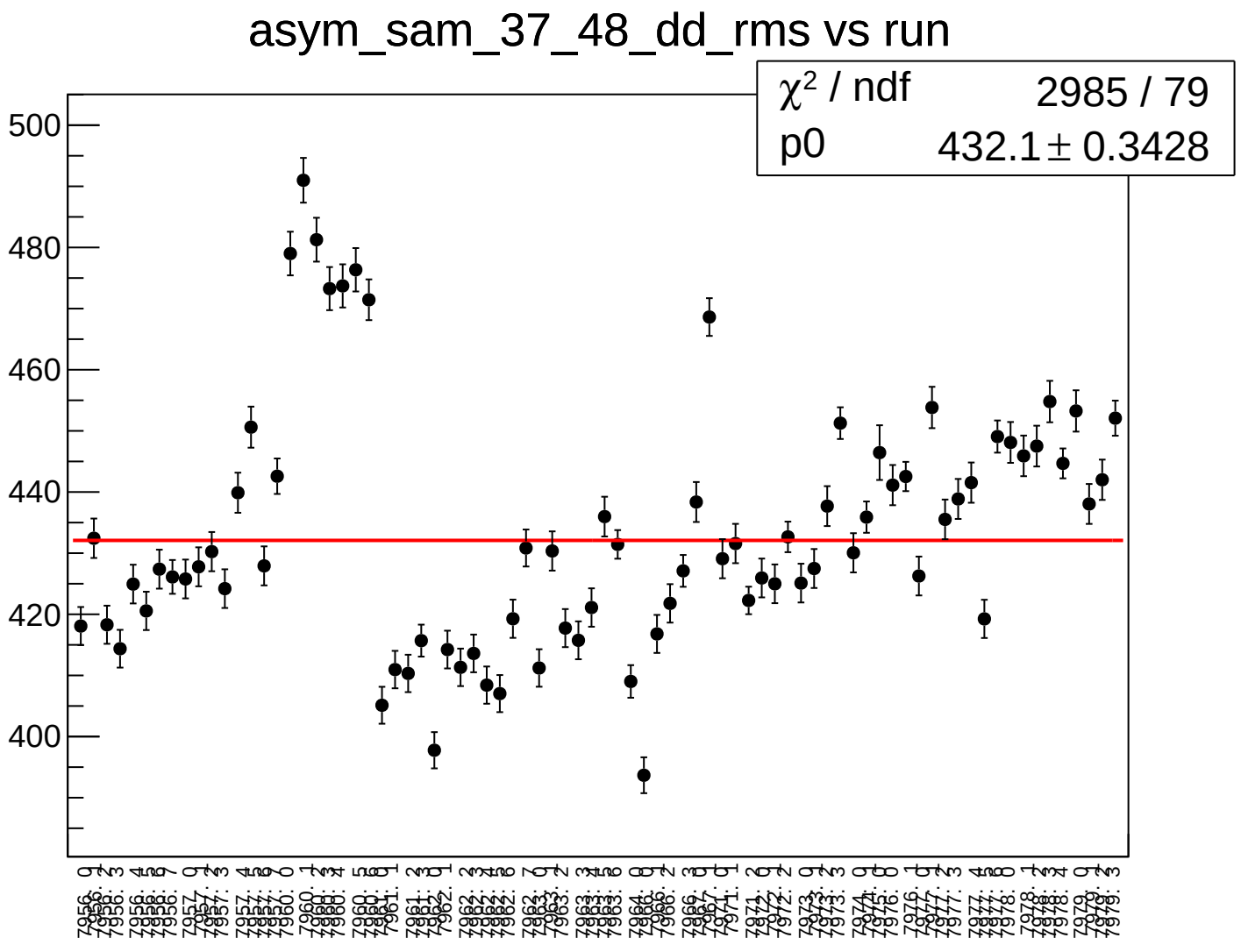

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 79.36 / 79
p0 6.347 ± 490.3
pull
Entries 80
Mean −60.99
Std Dev 53.46

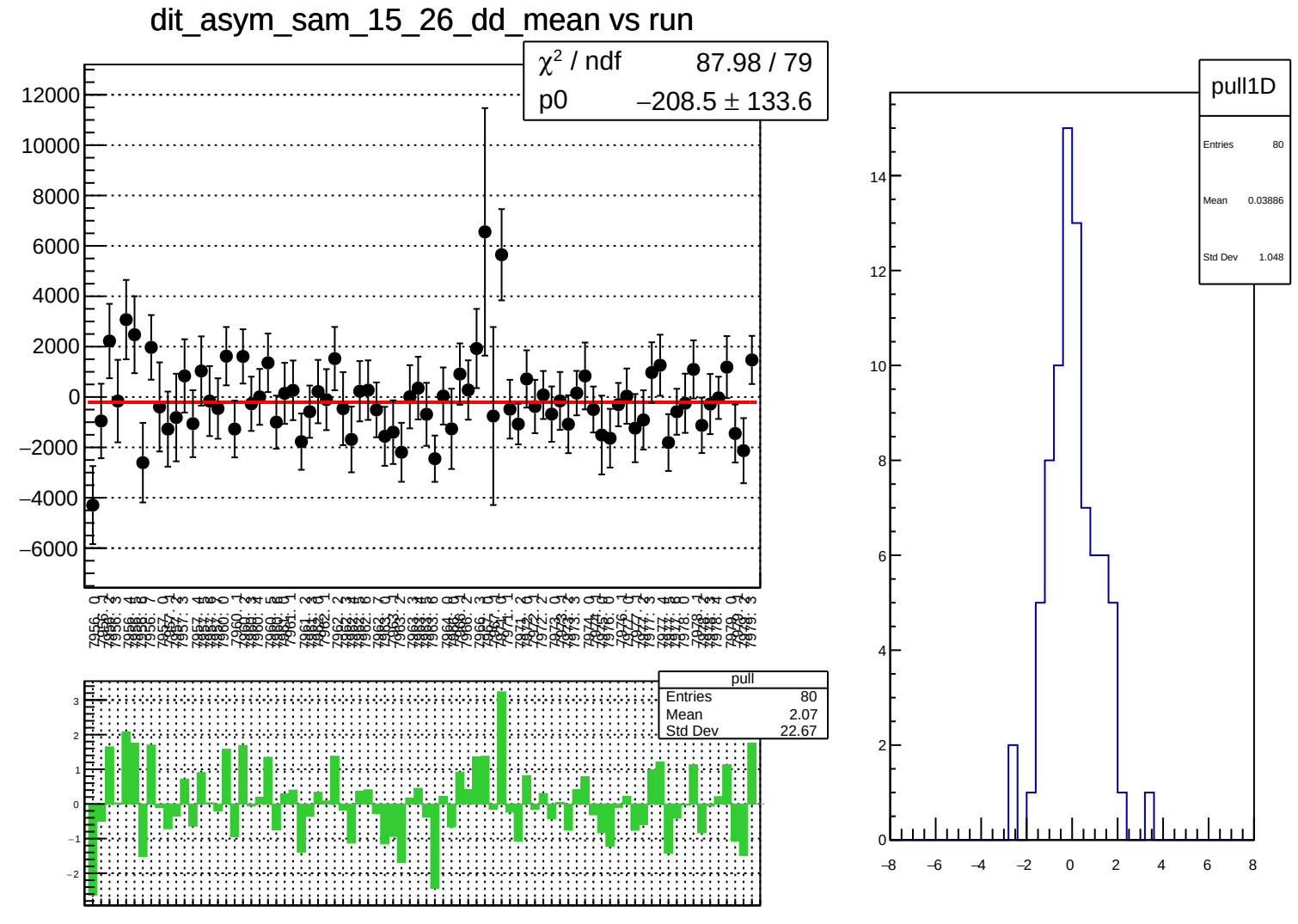

pull1D
Entries 80
Mean 0.01008
Std Dev 0.996

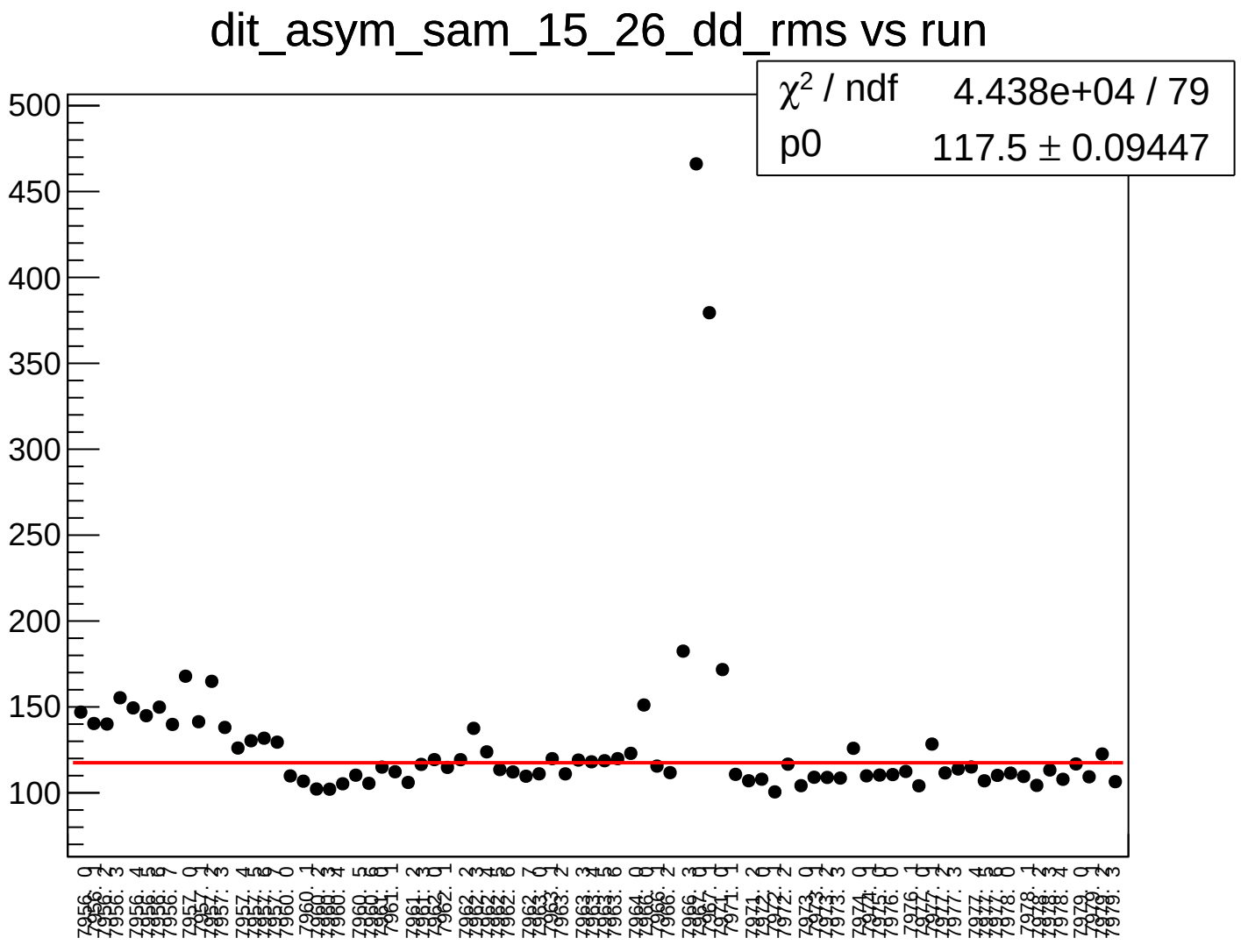

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5106 / 79
p0 436.7 ± 0.3467
500
480
460
440
420
400
380

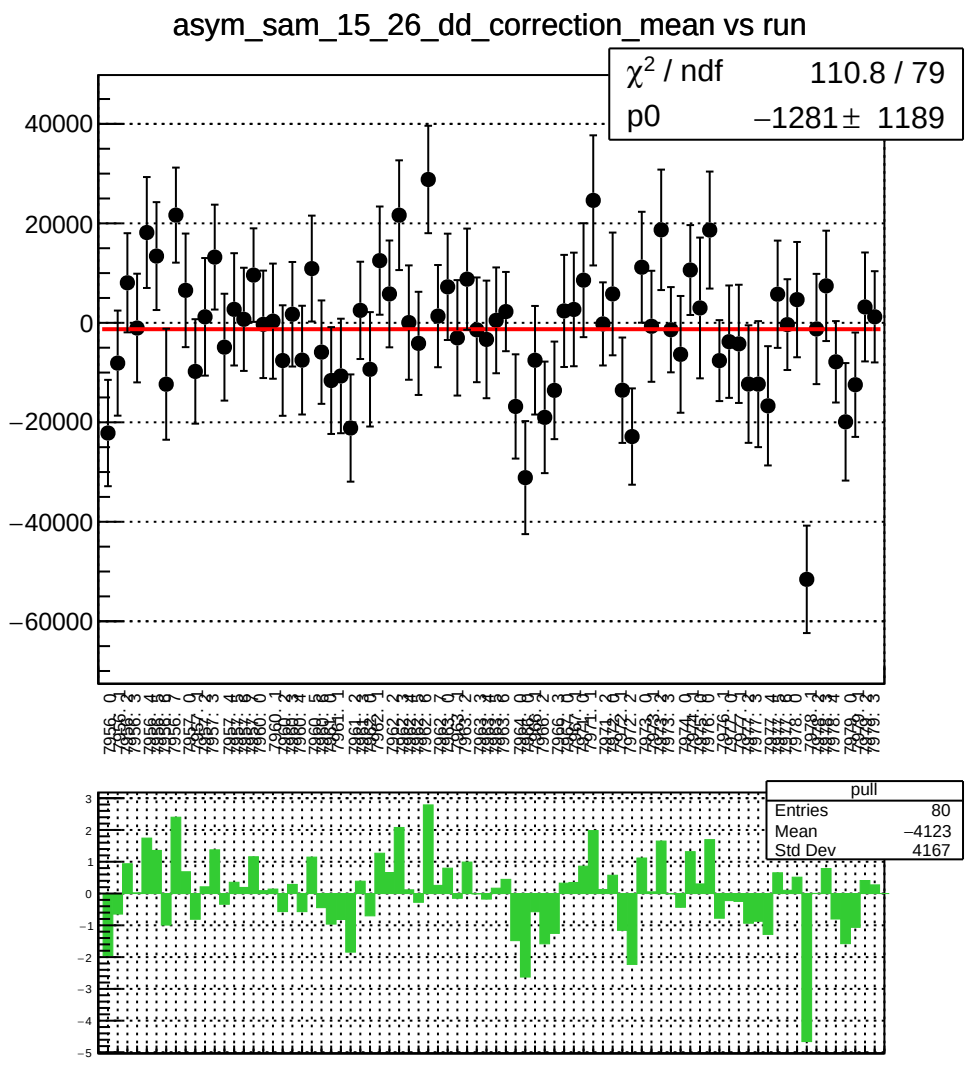

asym_sam_37_48_dd_mean vs run
χ² / ndf 76.71 / 79
p0 −13.73 ± 484.8
pull
Entries 80
Mean −200
Std Dev 204.5

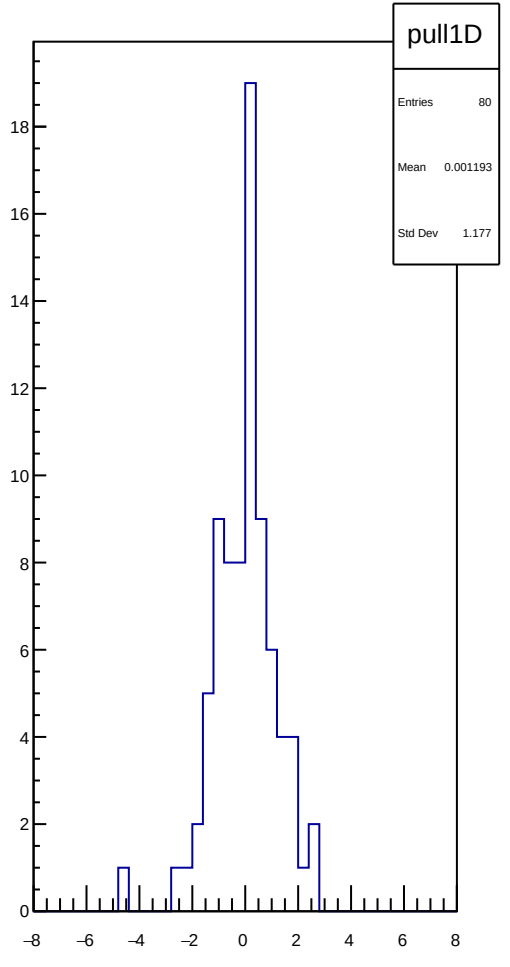

pull1D
Entries 80
Mean −0.004174
Std Dev 0.9792

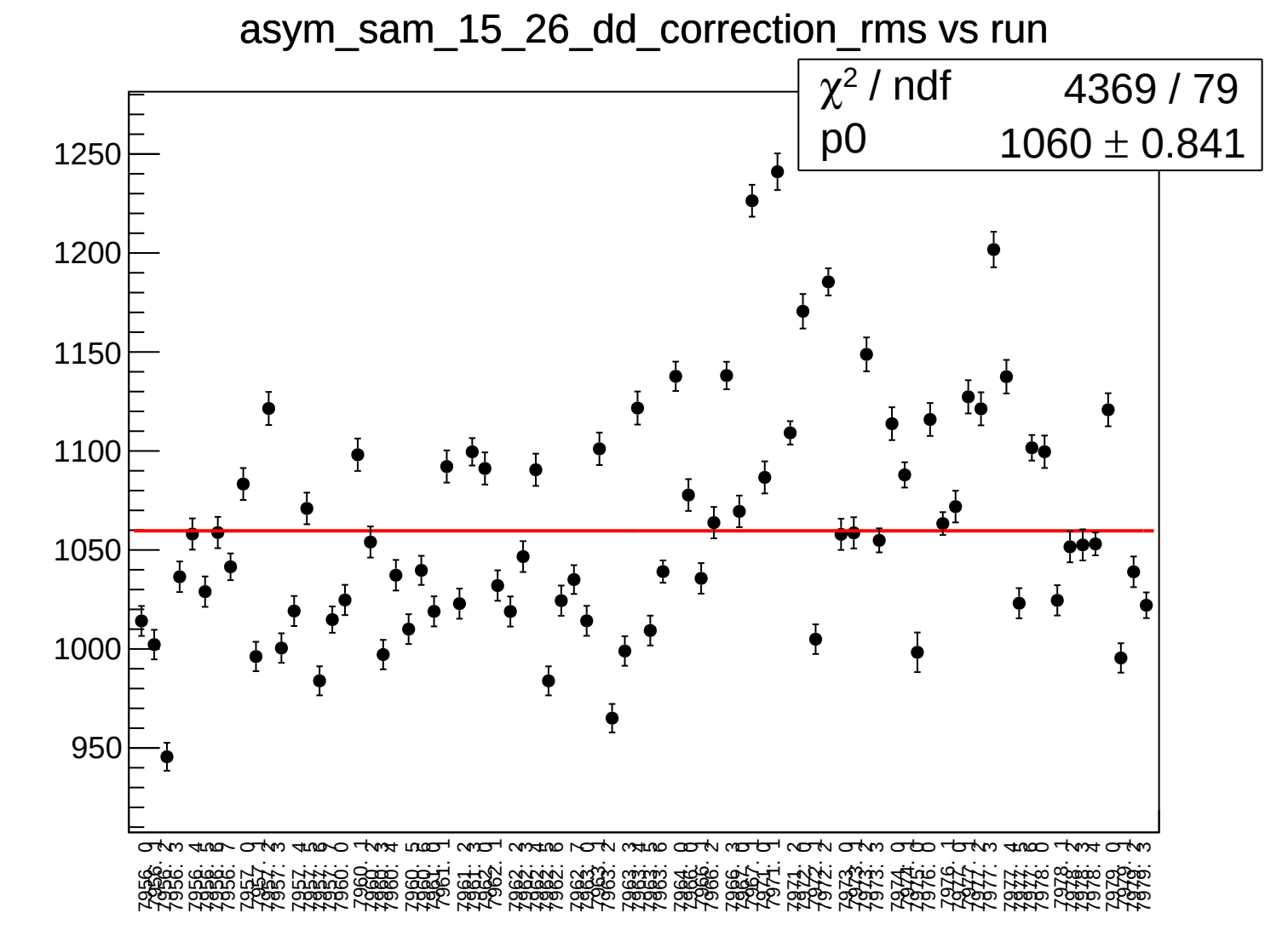

asym_sam_37_48_dd_rms vs run
χ² / ndf 2985 / 79
p0 432.1 ± 0.3428
500
480
460
440
420
400

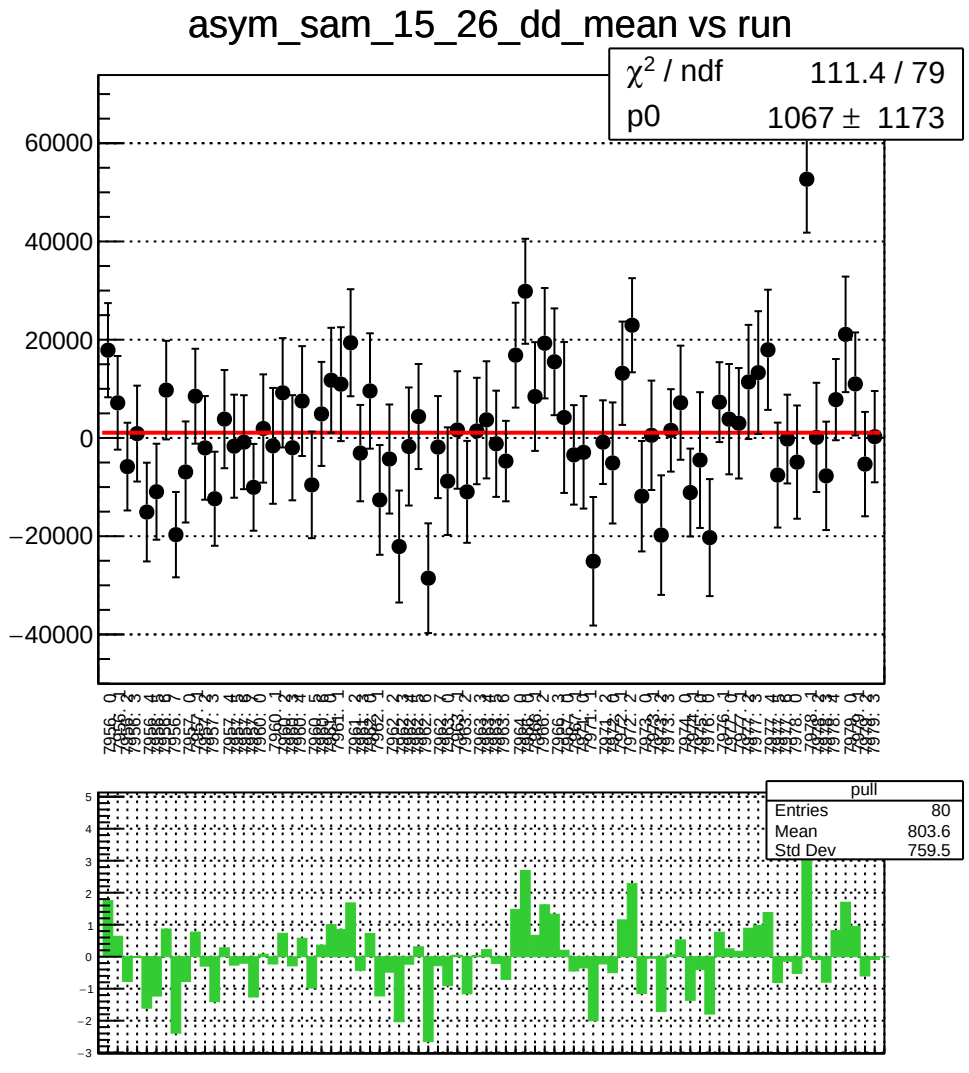

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 87.98 / 79
p0 −208.5 ± 133.6
pull
Entries 80
Mean 2.07
Std Dev 22.67
pull1D
Entries 80
Mean 0.03886
Std Dev 1.048

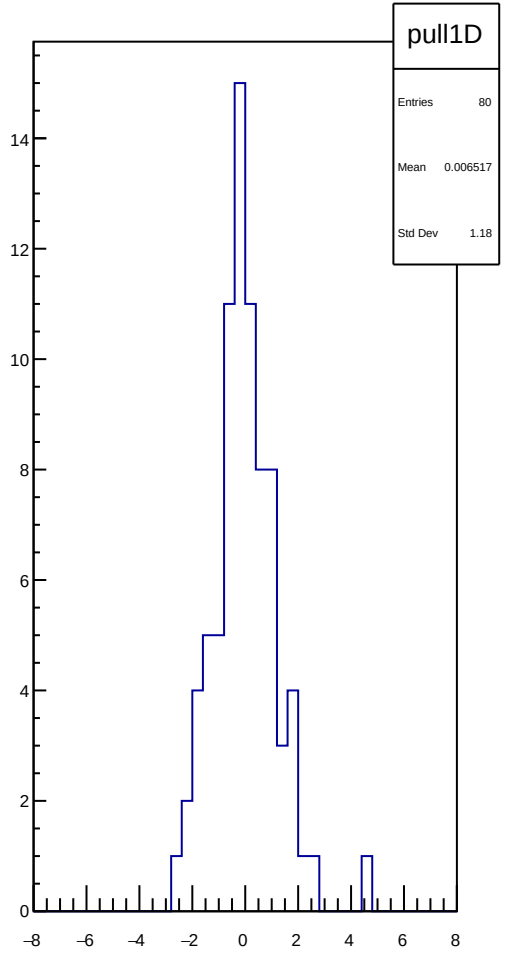

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4.438e+04 / 79
p0 117.5 ± 0.09447
500
450
400
350
300
250
200
150
100

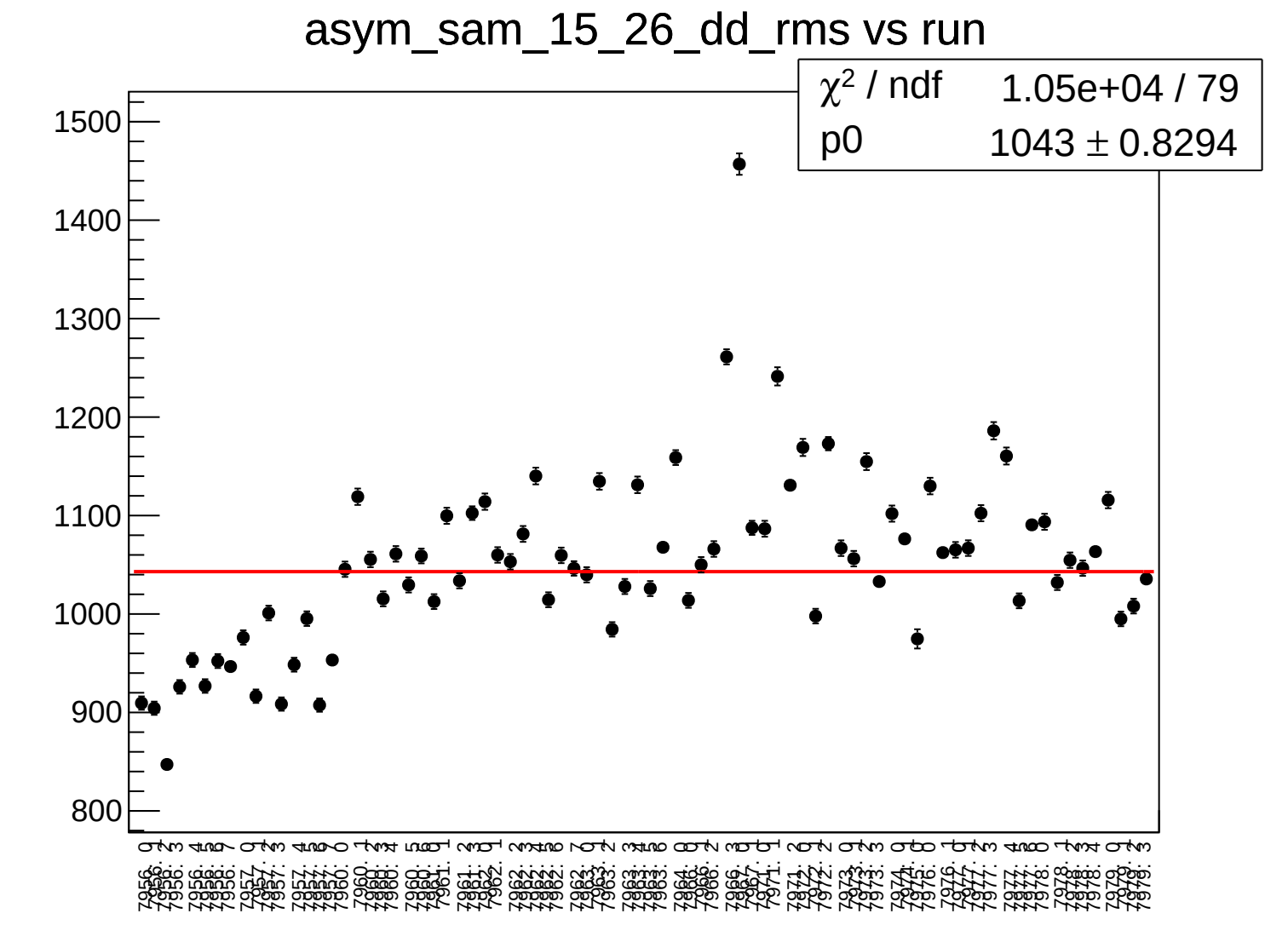

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 110.8 / 79
p0 −1281 ± 1189
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −4123
Std Dev 4167
3
2
1
0
−1
−2
−3
−4
−5

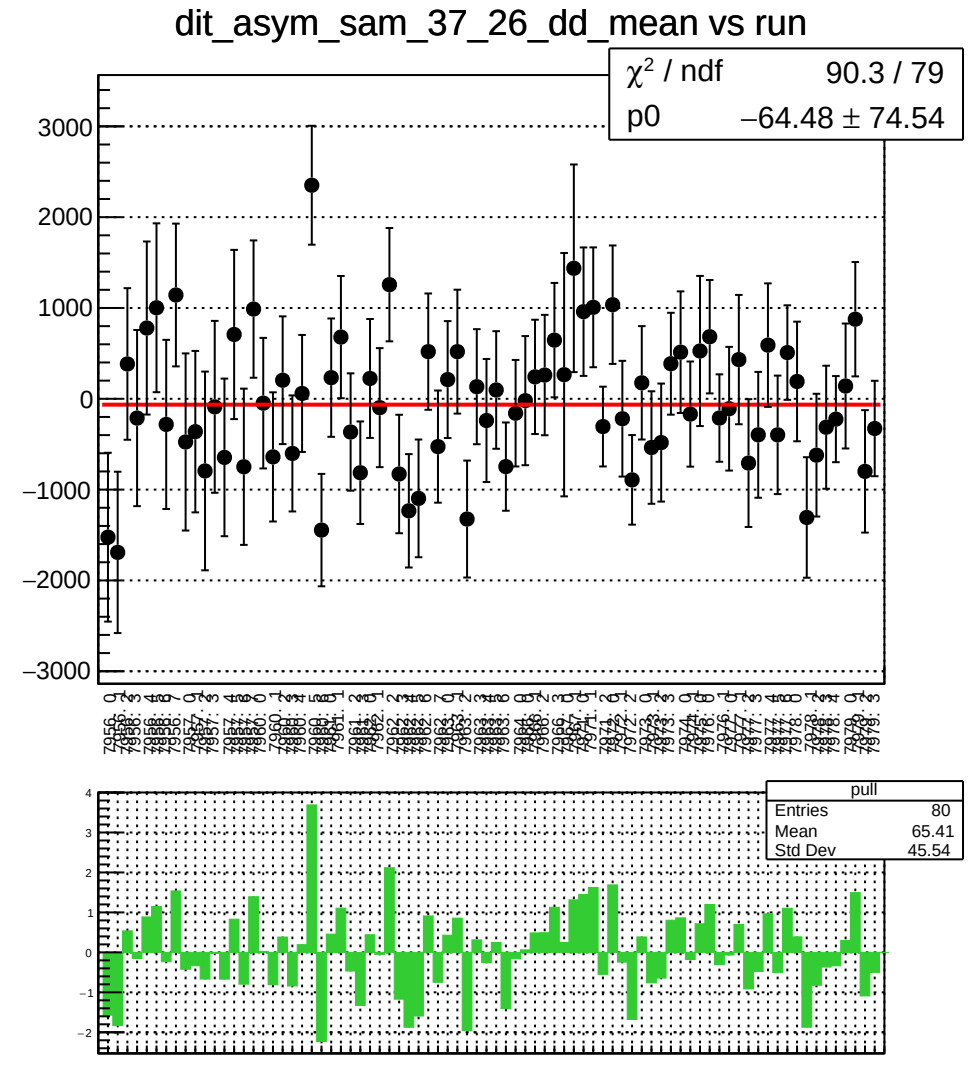

pull1D
Entries 80
Mean 0.001193
Std Dev 1.177
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

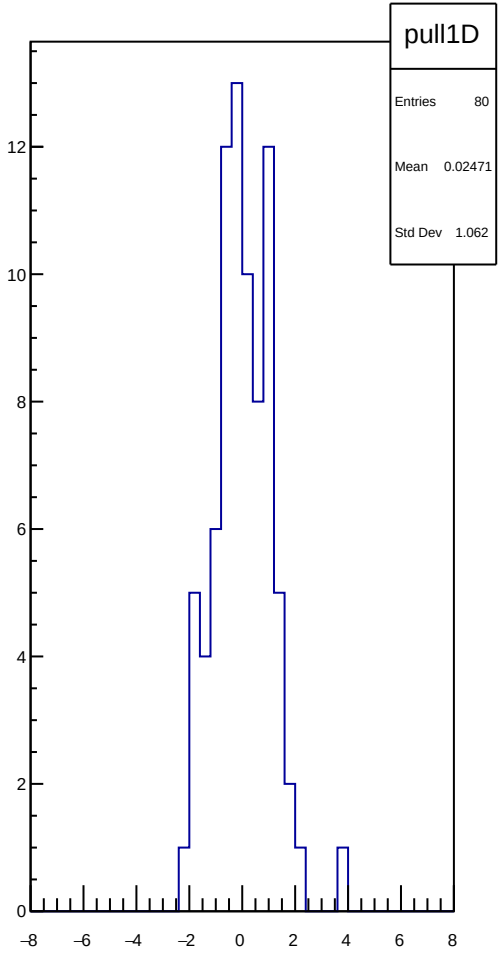

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4369 / 79
p0 1060 ± 0.841
1250
1200
1150
1100
1050
1000
950

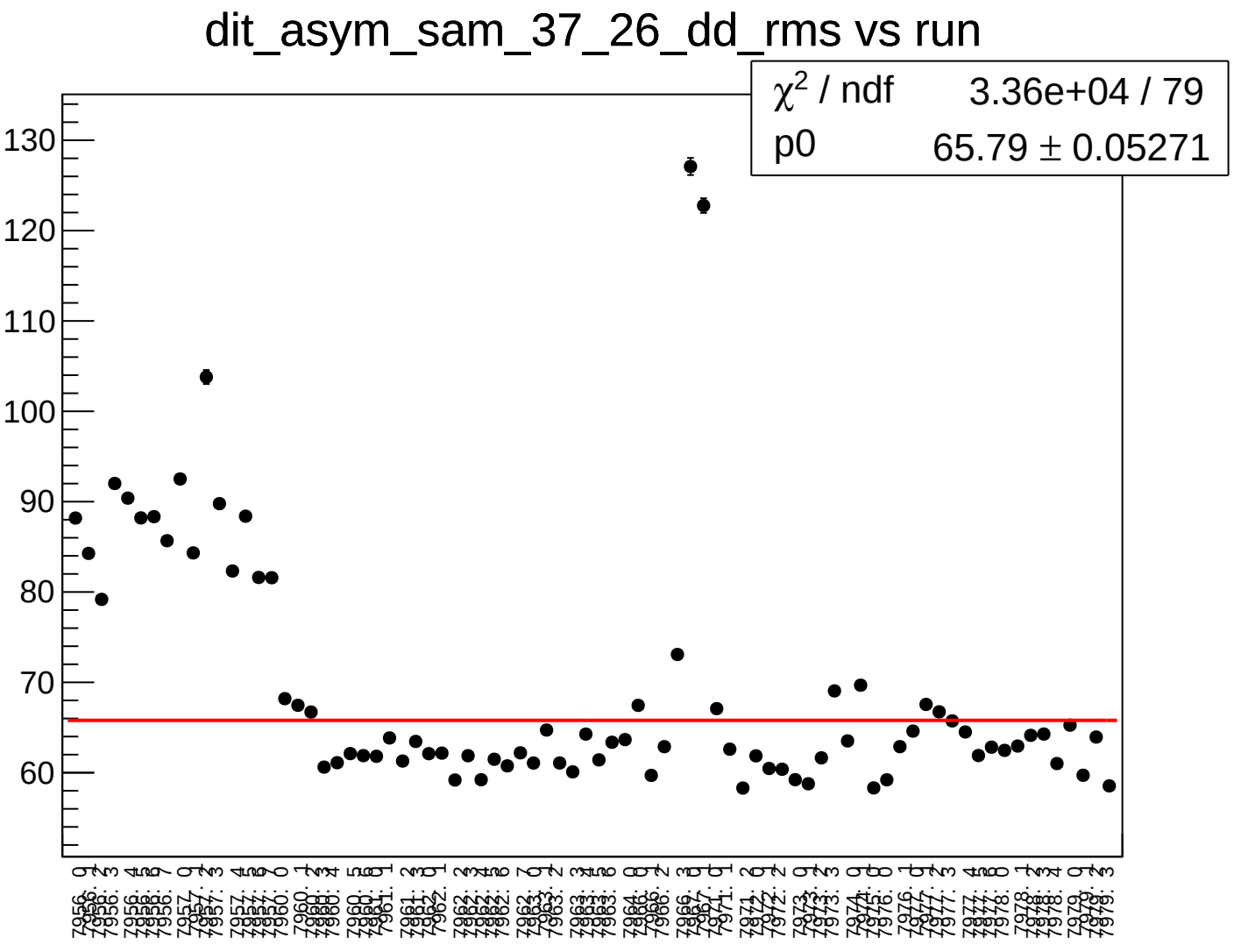

asym_sam_15_26_dd_mean vs run
χ² / ndf 111.4 / 79
p0 1067 ± 1173
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 803.6
Std Dev 759.5
5
4
3
2
1
0
−1
−2
−3

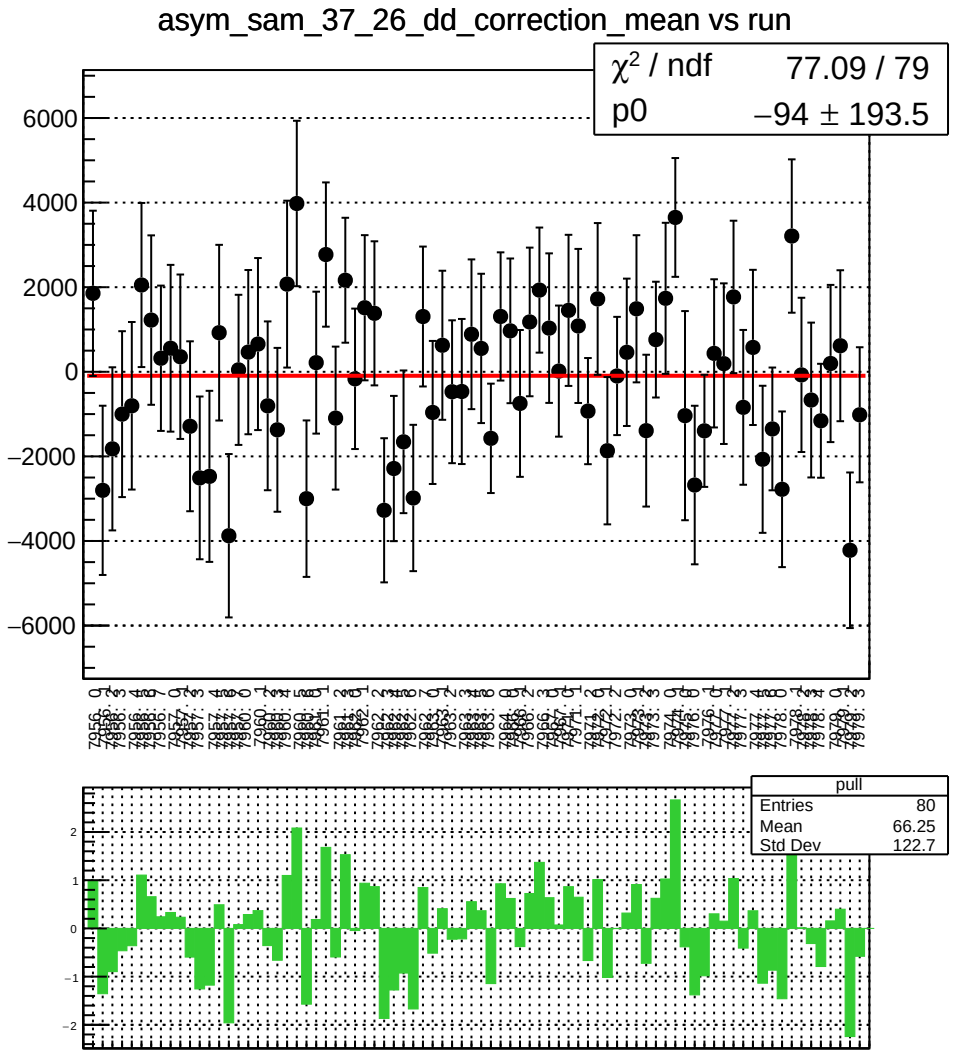

pull1D
Entries 80
Mean 0.006517
Std Dev 1.18
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

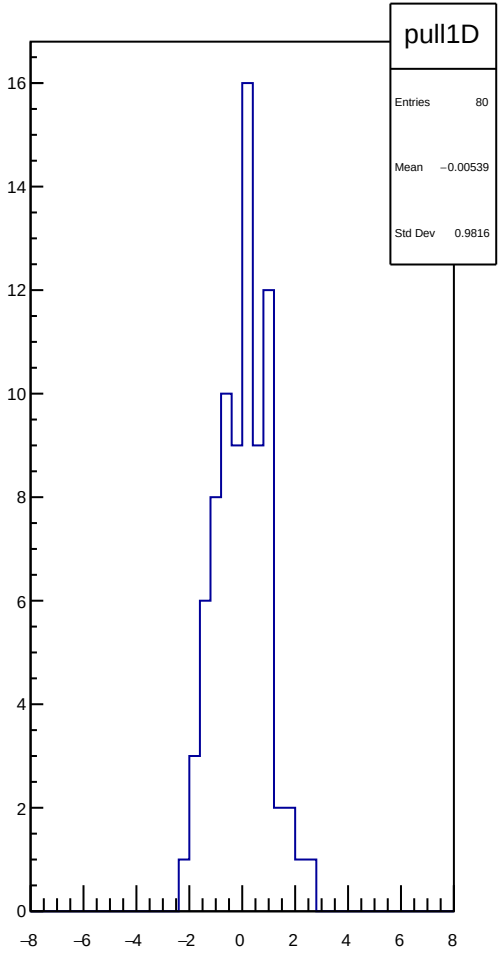

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.05e+04 / 79
p0 1043 ± 0.8294
1500
1400
1300
1200
1100
1000
900
800

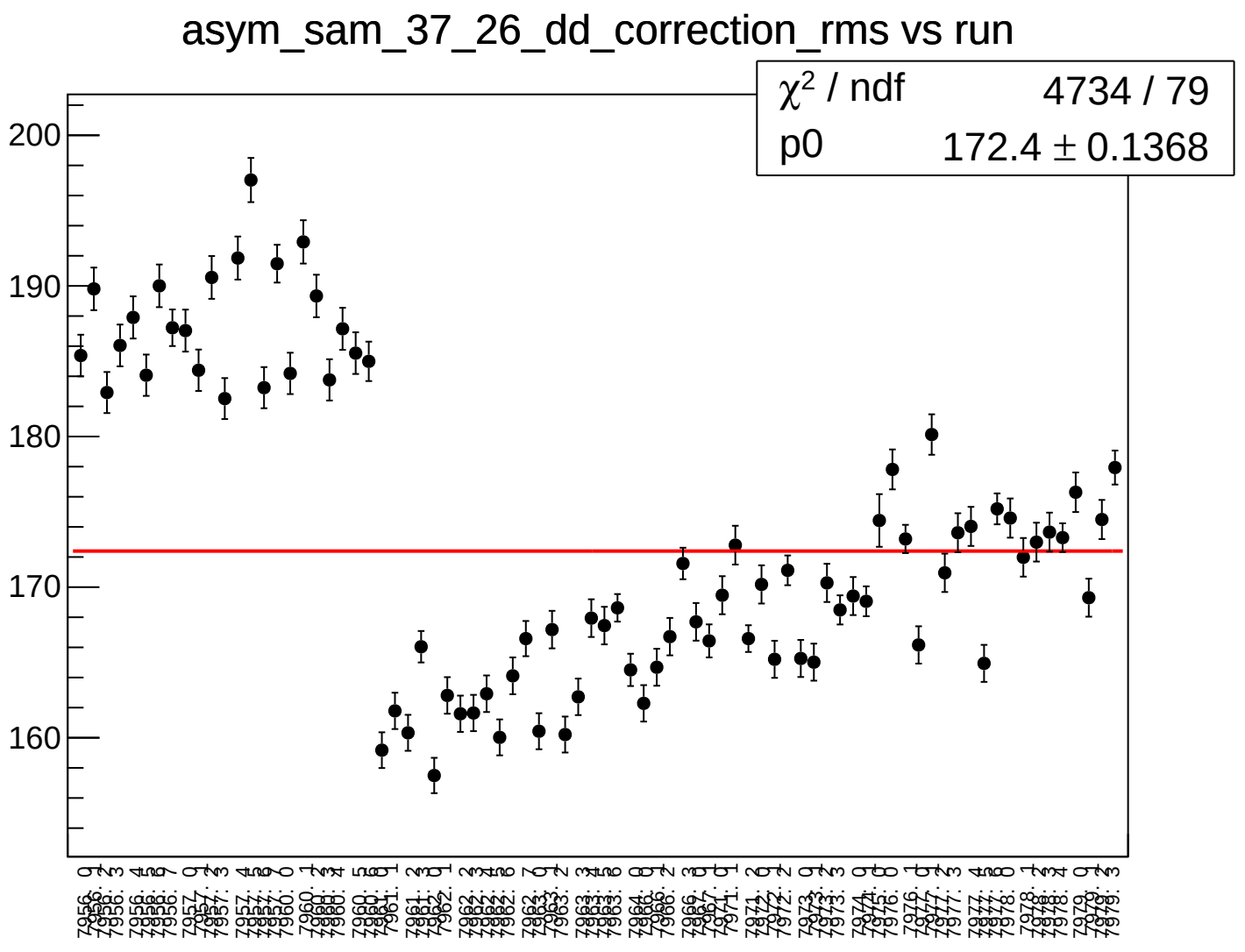

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 90.3 / 79
p0 −64.48 ± 74.54
pull
Entries 80
Mean 65.41
Std Dev 45.54

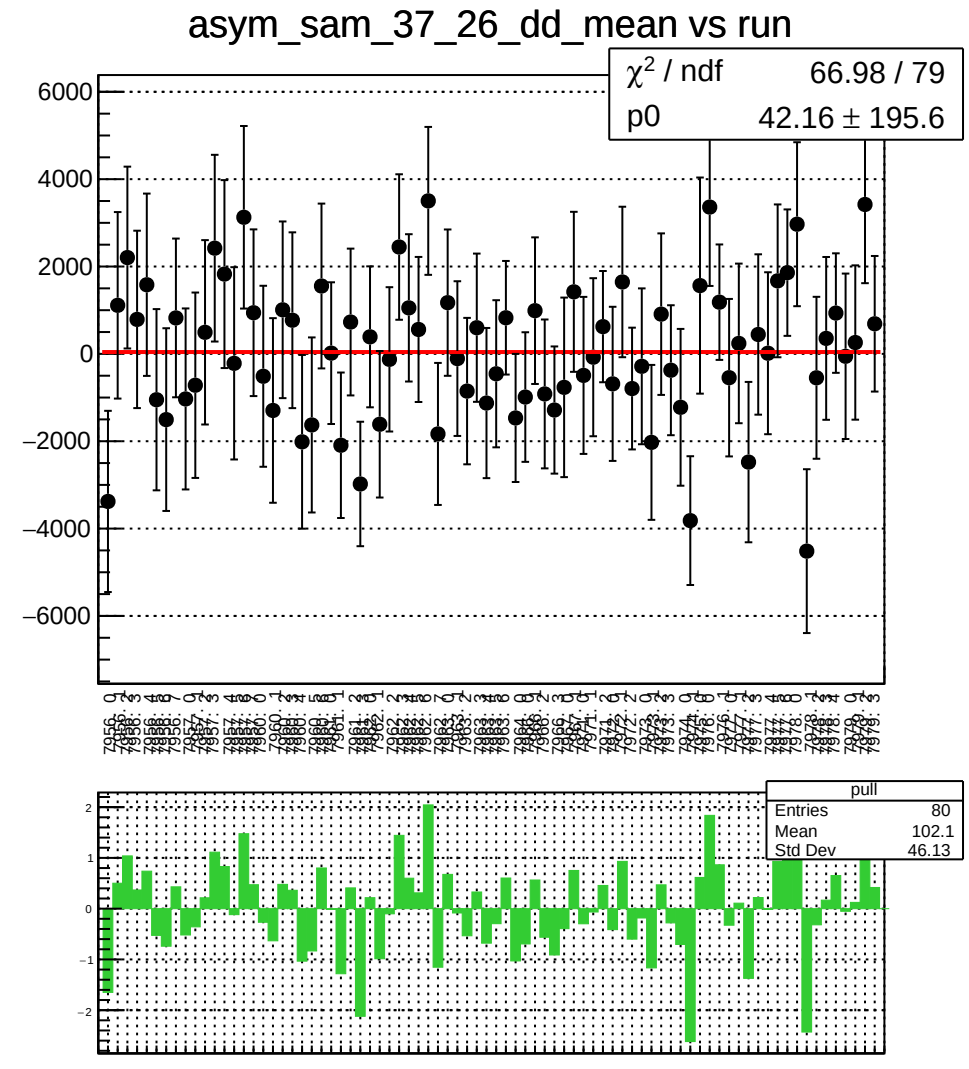

pull1D
Entries 80
Mean 0.02471
Std Dev 1.062

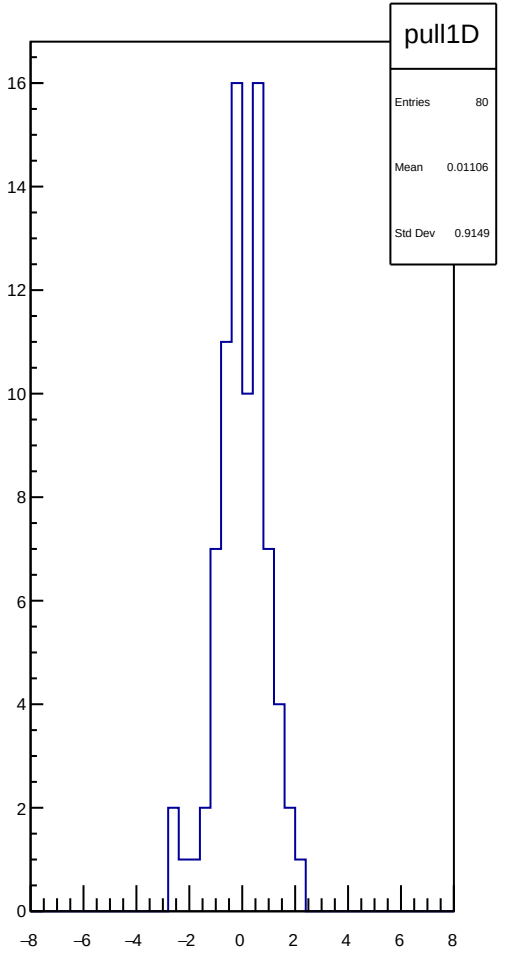

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3.36e+04 / 79
p0 65.79 ± 0.05271
130
120
110
100
90
80
70
60

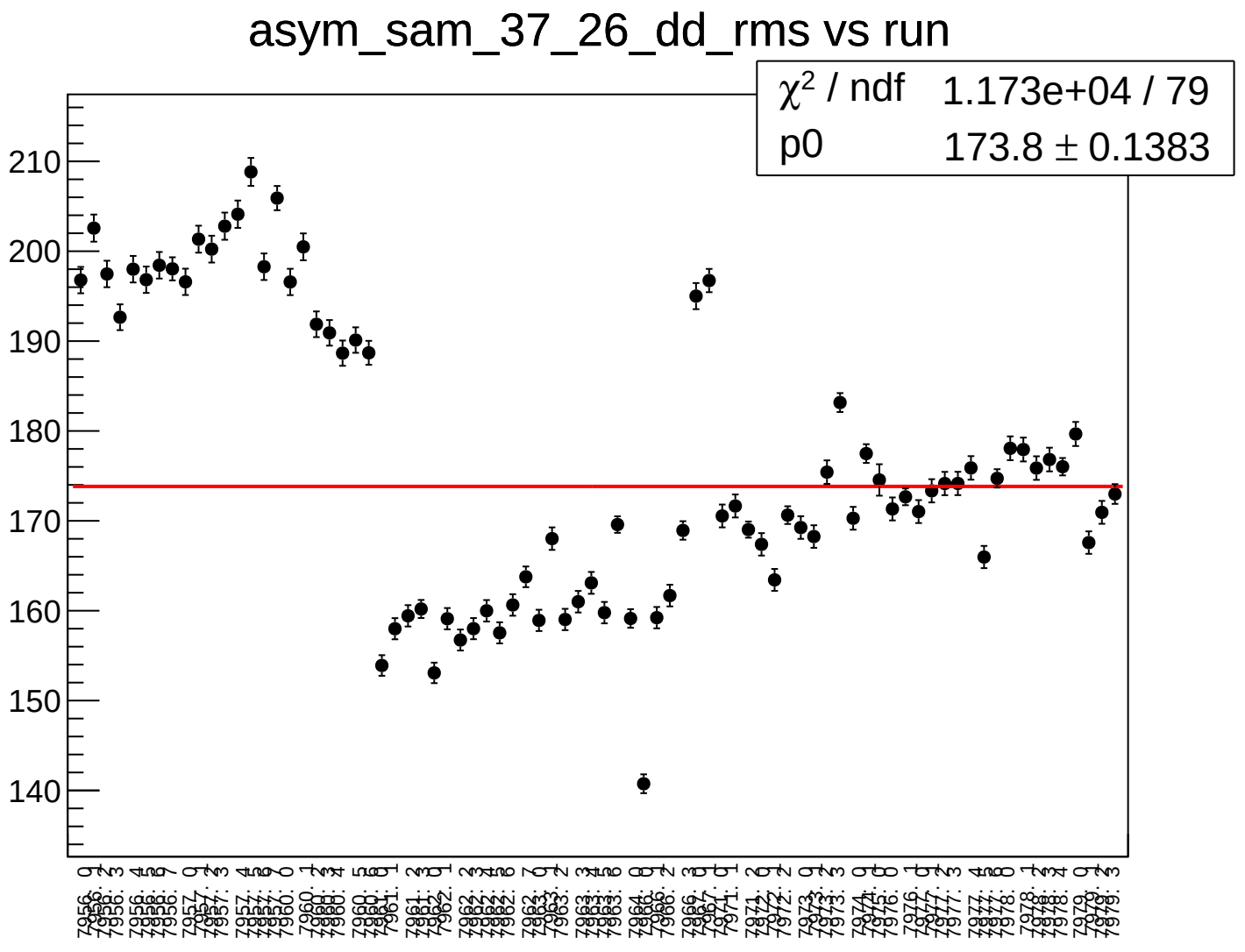

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 77.09 / 79
p0 −94 ± 193.5
pull
Entries 80
Mean 66.25
Std Dev 122.7

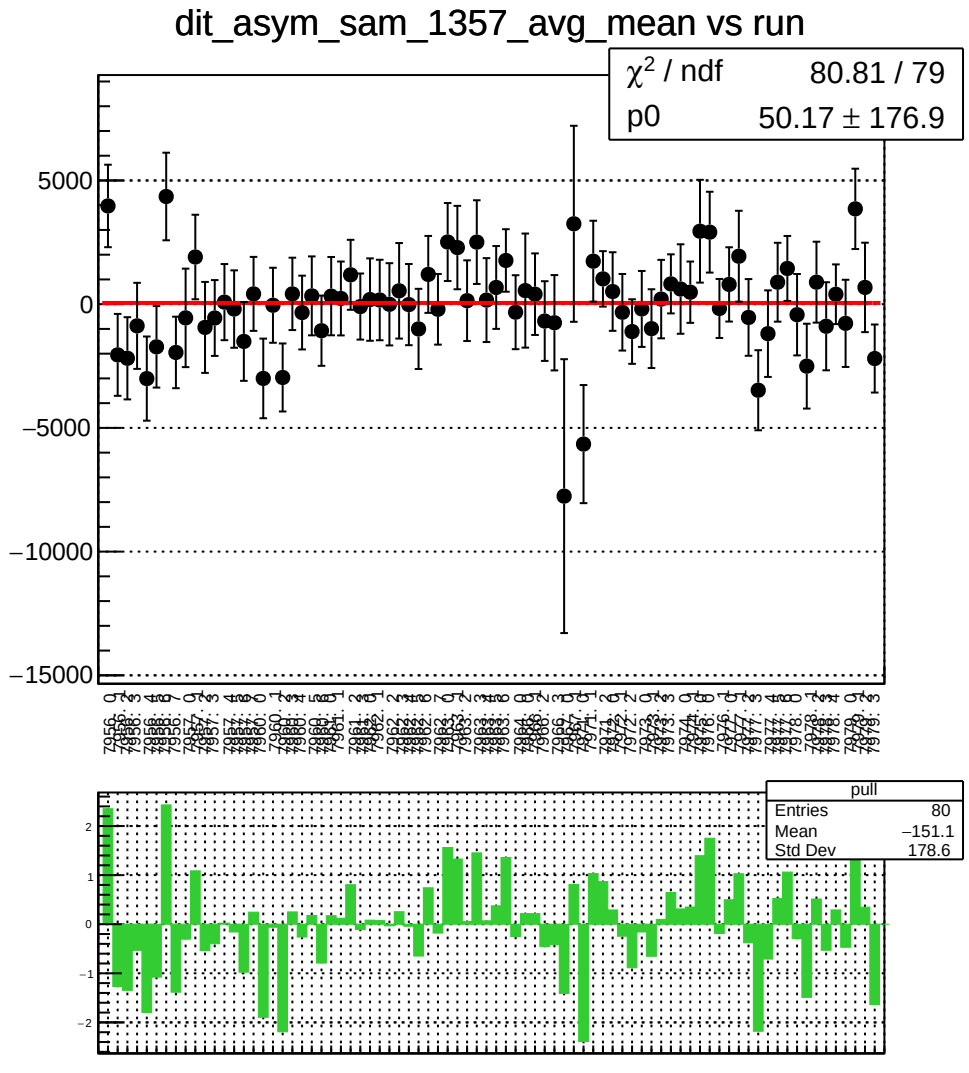

pull1D
Entries 80
Mean −0.00539
Std Dev 0.9816

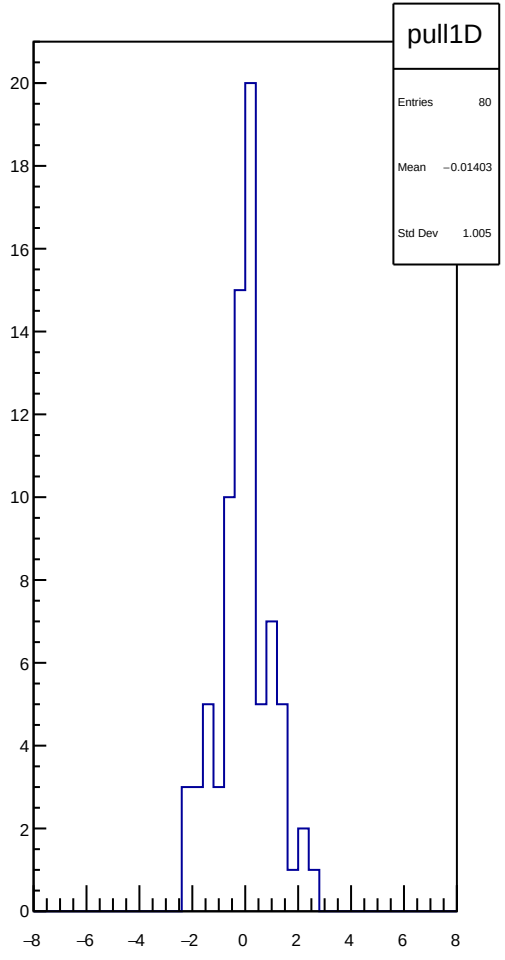

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4734 / 79
p0 172.4 ± 0.1368
200
190
180
170
160

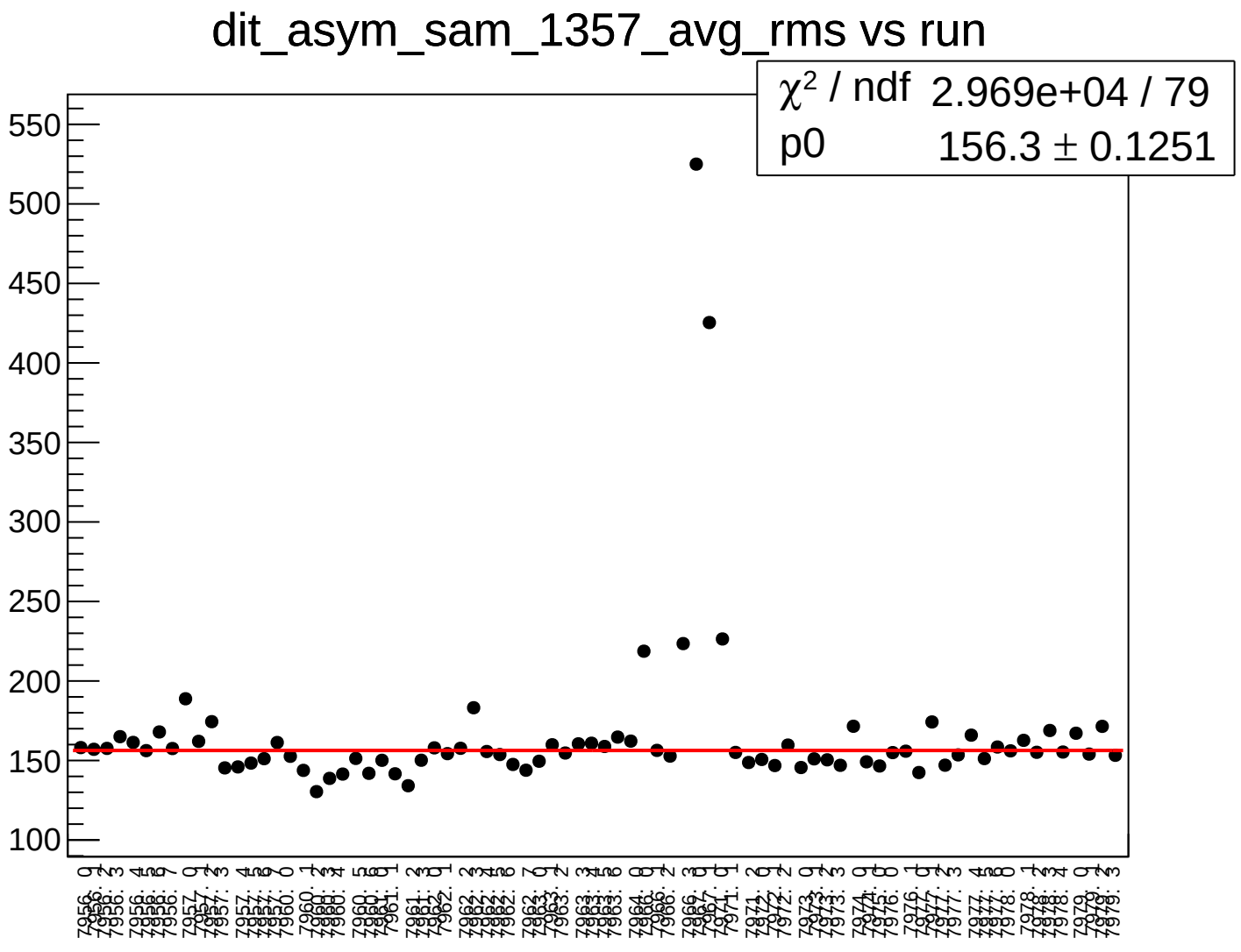

asym_sam_37_26_dd_mean vs run
χ² / ndf 66.98 / 79
p0 42.16 ± 195.6
pull
Entries 80
Mean 102.1
Std Dev 46.13

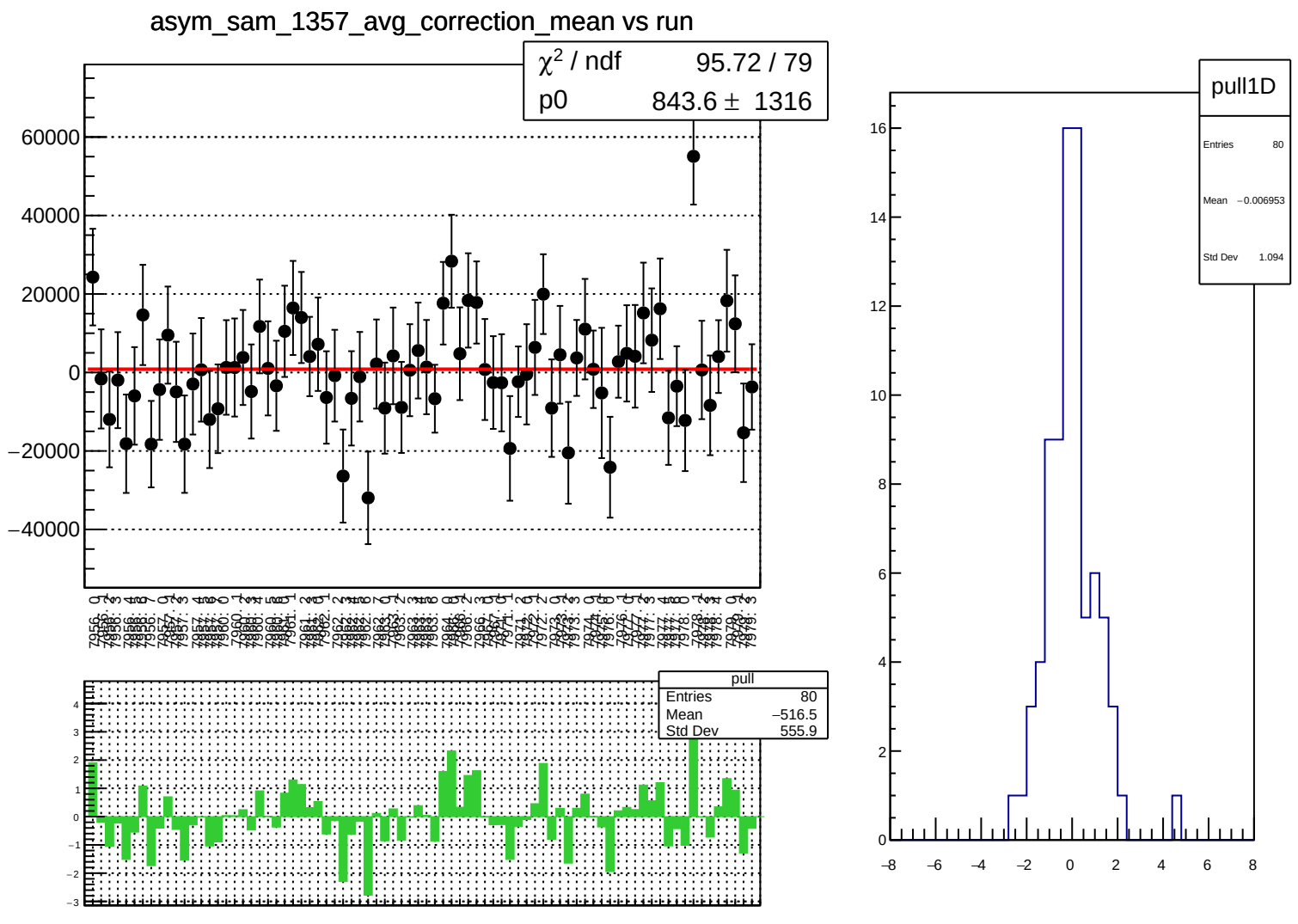

pull1D
Entries 80
Mean 0.01106
Std Dev 0.9149

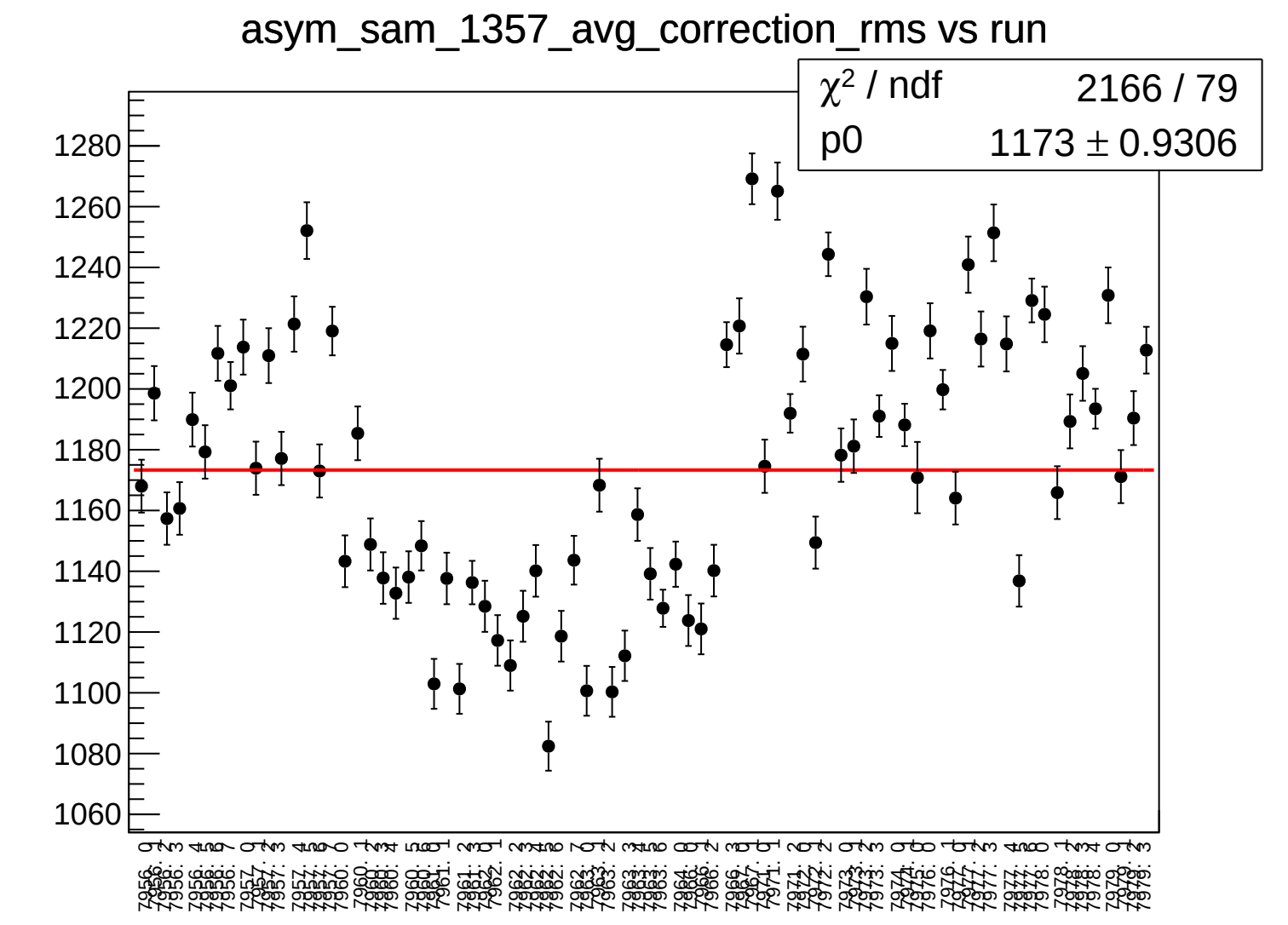

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.173e+04 / 79
p0 173.8 ± 0.1383
210
200
190
180
170
160
150
140

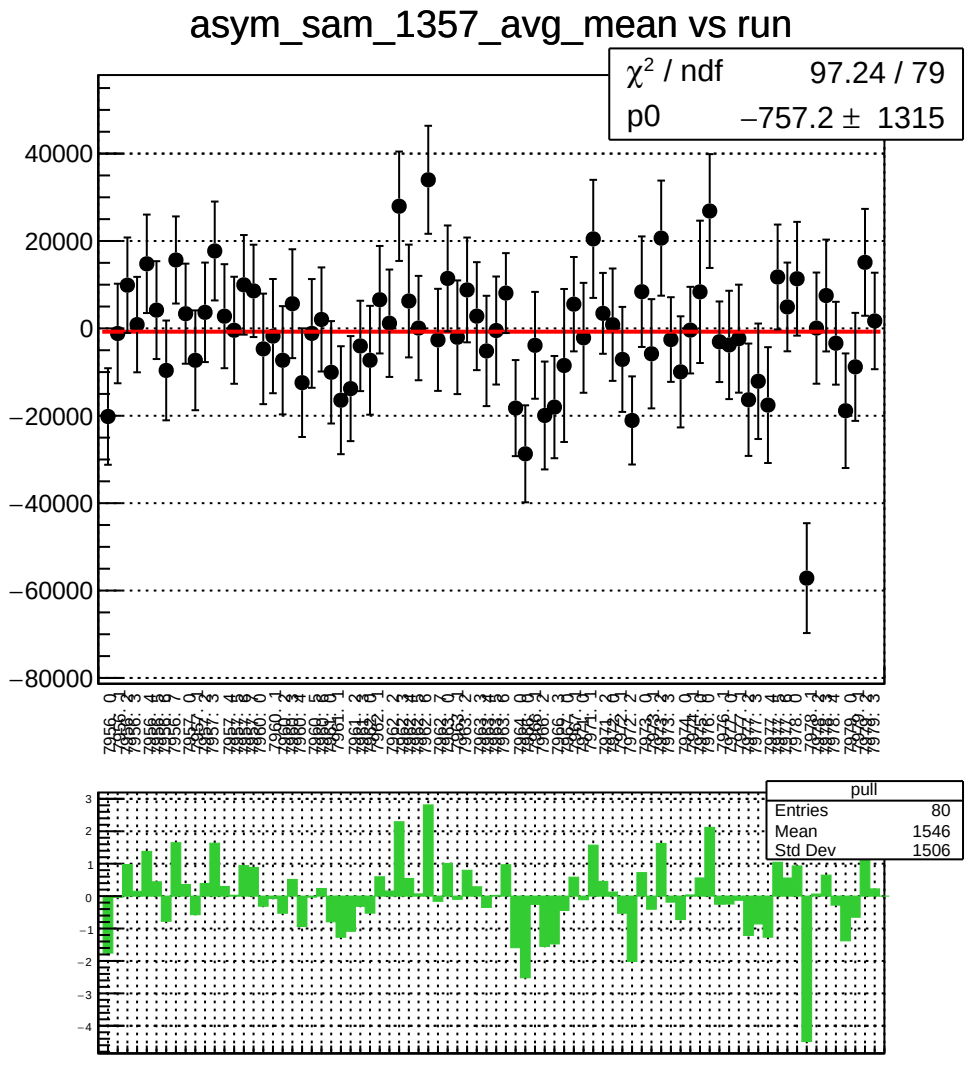

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 80.81 / 79
p0 50.17 ± 176.9
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −151.1
Std Dev 178.6
2
1
0
−1
−2

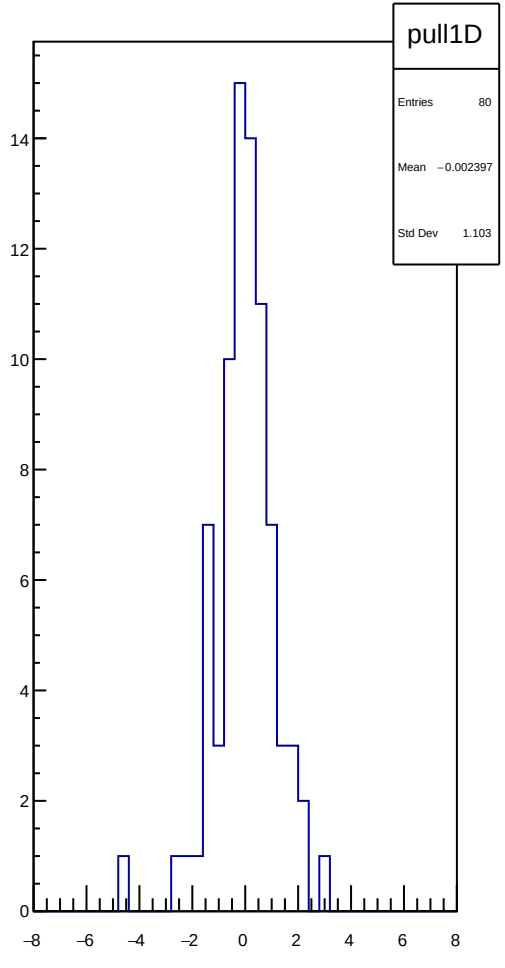

pull1D
Entries 80
Mean −0.01403
Std Dev 1.005
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

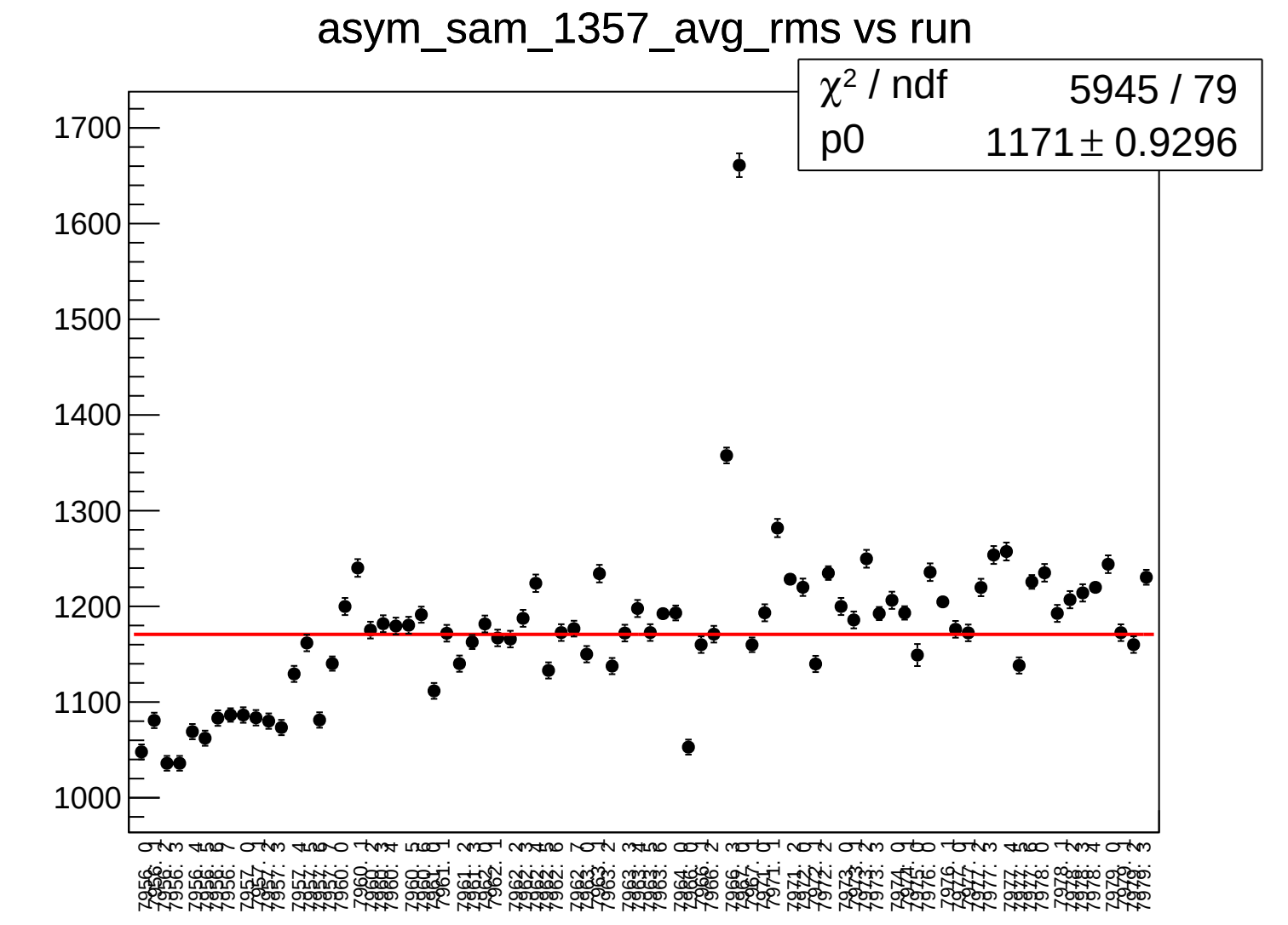

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.969e+04 / 79
p0 156.3 ± 0.1251
550
500
450
400
350
300
250
200
150
100

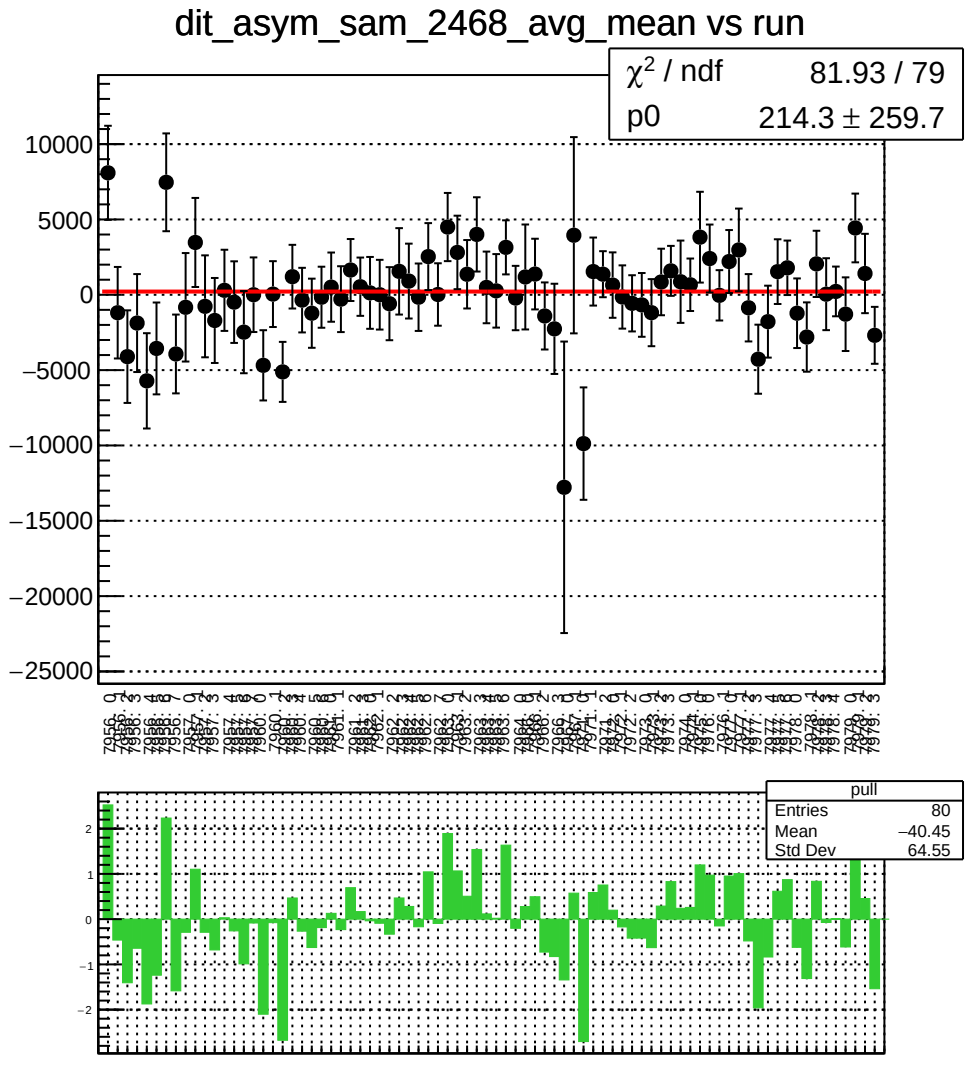

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 95.72 / 79
p0 843.6 ± 1316
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −516.5
Std Dev 555.9
pull1D
Entries 80
Mean −0.006953
Std Dev 1.094

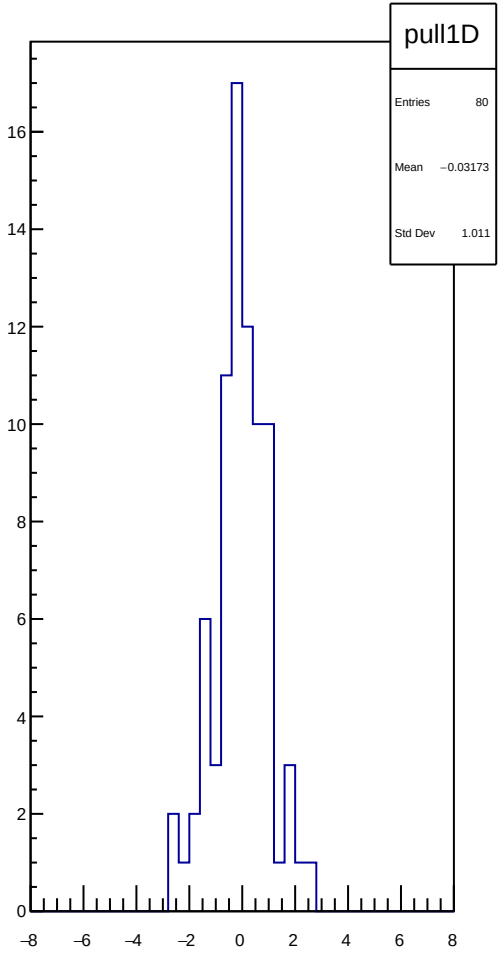

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2166 / 79
p0 1173 ± 0.9306
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

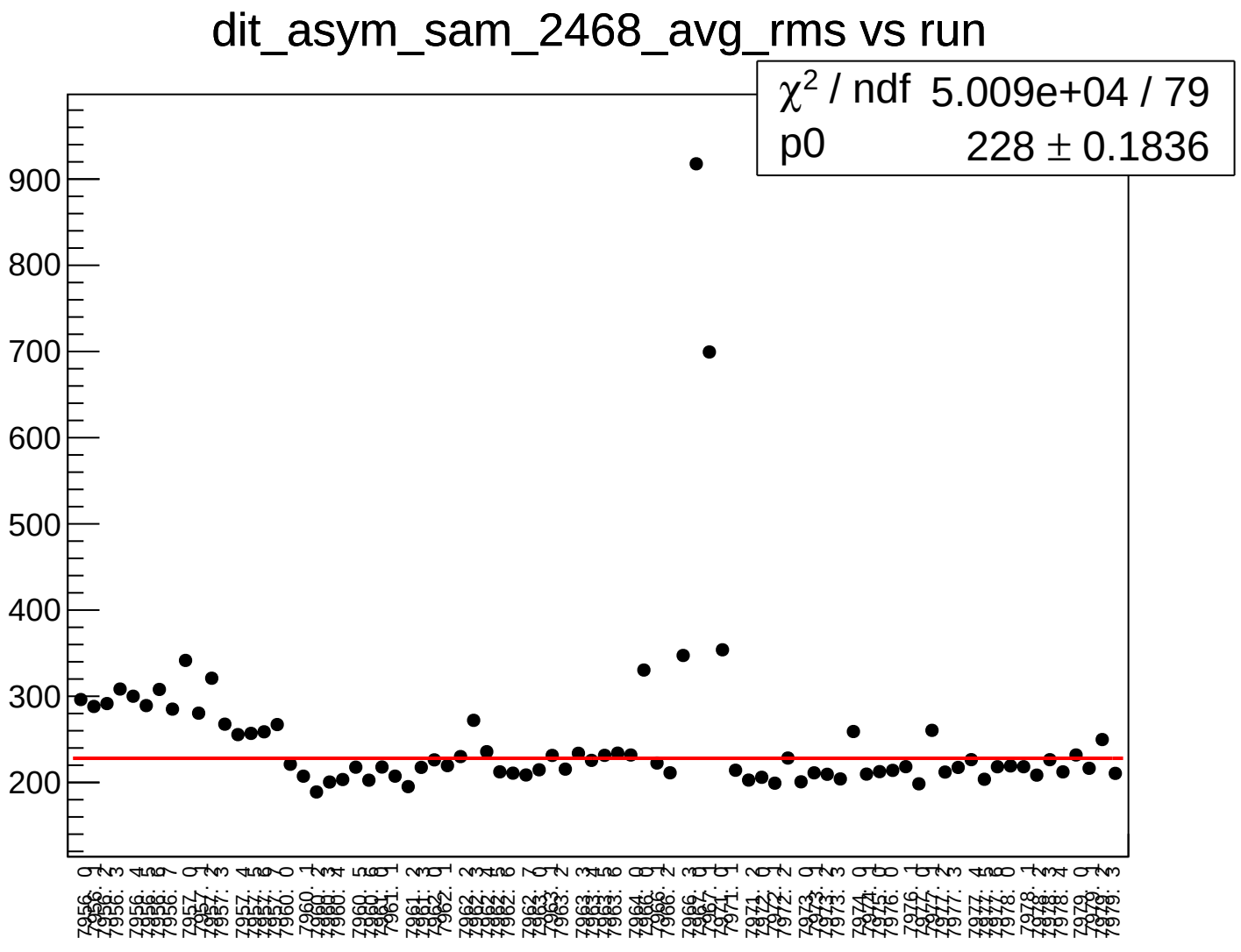

asym_sam_1357_avg_mean vs run
χ² / ndf 97.24 / 79
p0 −757.2 ± 1315
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 1546
Std Dev 1506
3
2
1
0
−1
−2
−3
−4

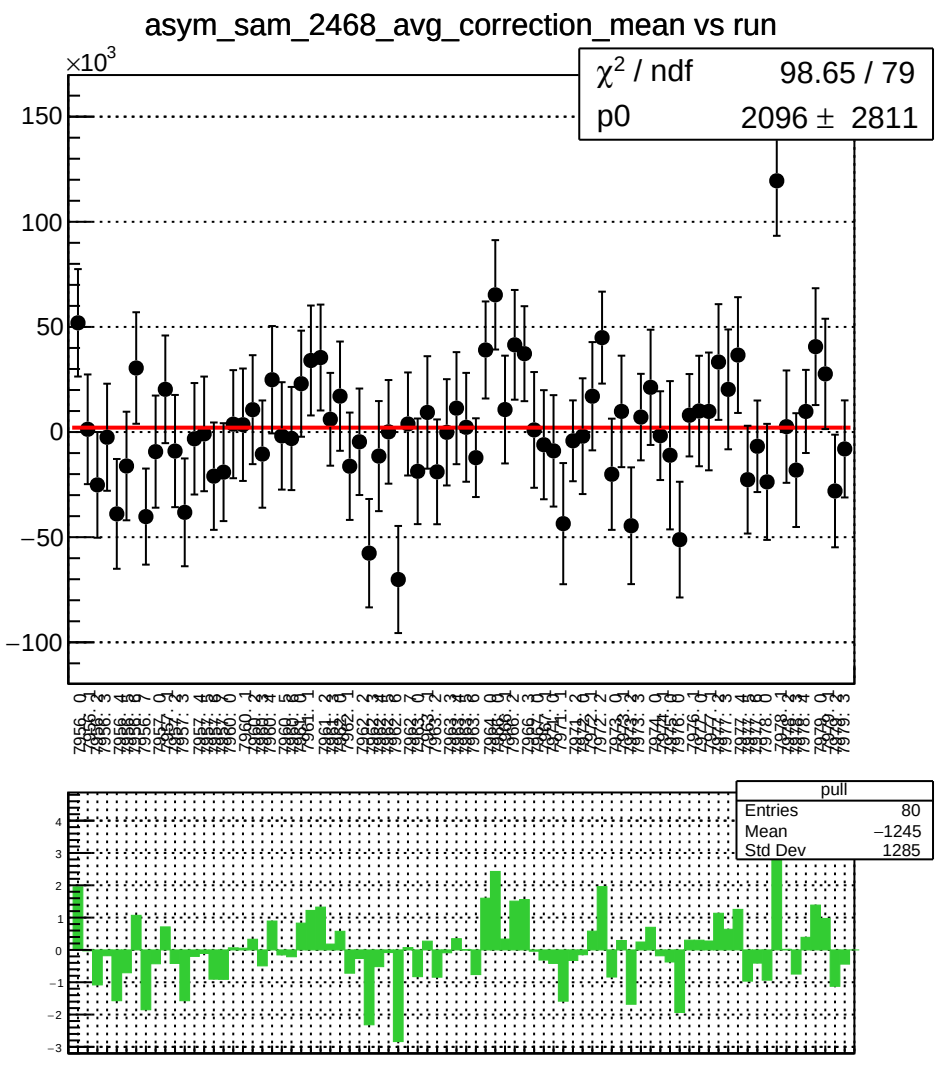

pull1D
Entries 80
Mean −0.002397
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

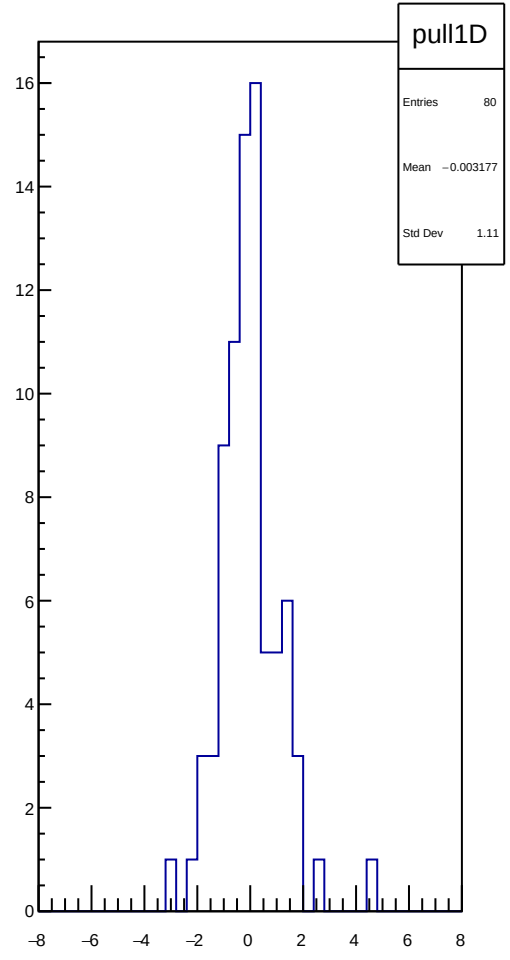

asym_sam_1357_avg_rms vs run
χ² / ndf 5945 / 79
p0 1171 ± 0.9296
1700
1600
1500
1400
1300
1200
1100
1000

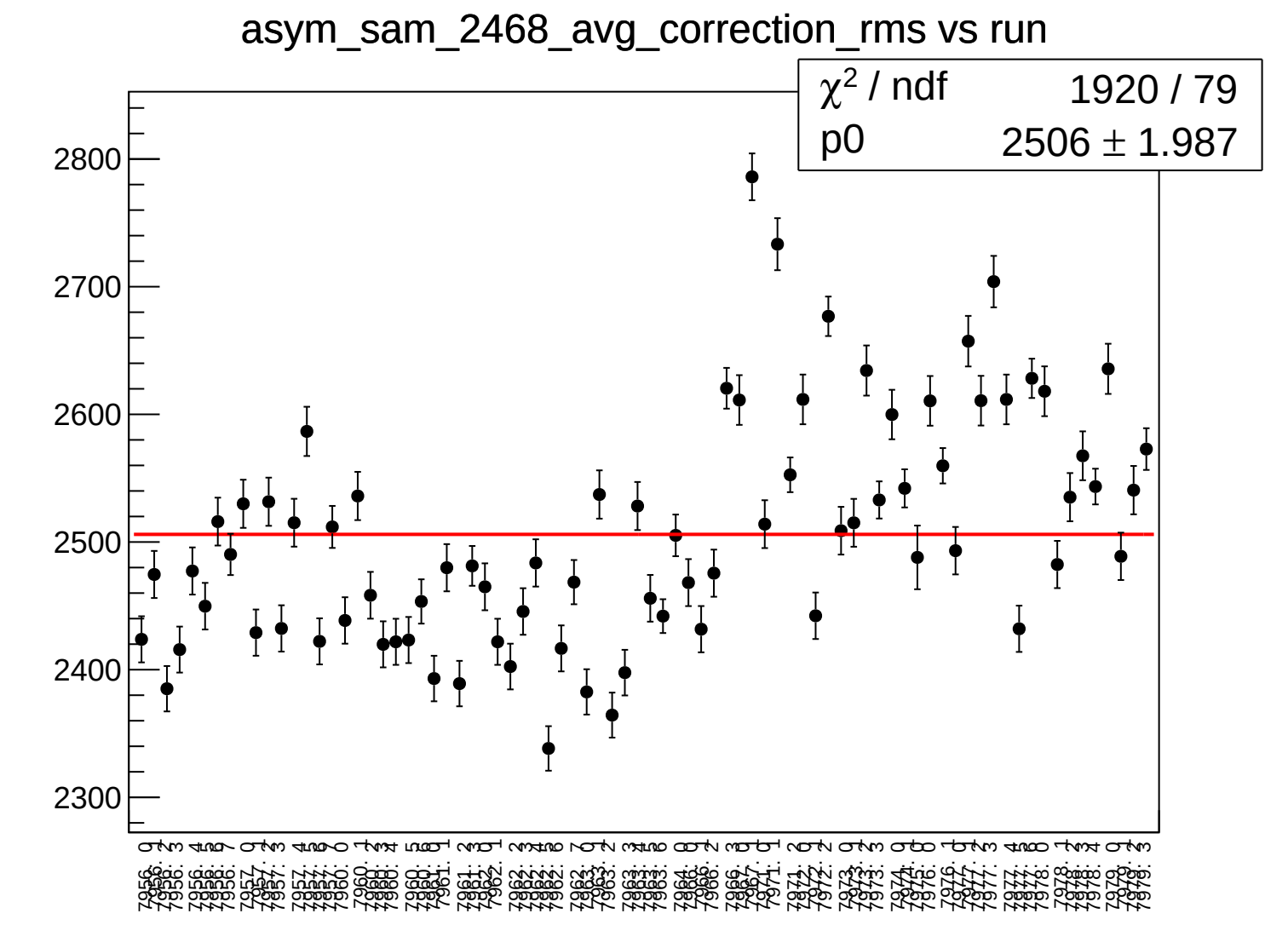

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 81.93 / 79
p0 214.3 ± 259.7
pull
Entries 80
Mean −40.45
Std Dev 64.55

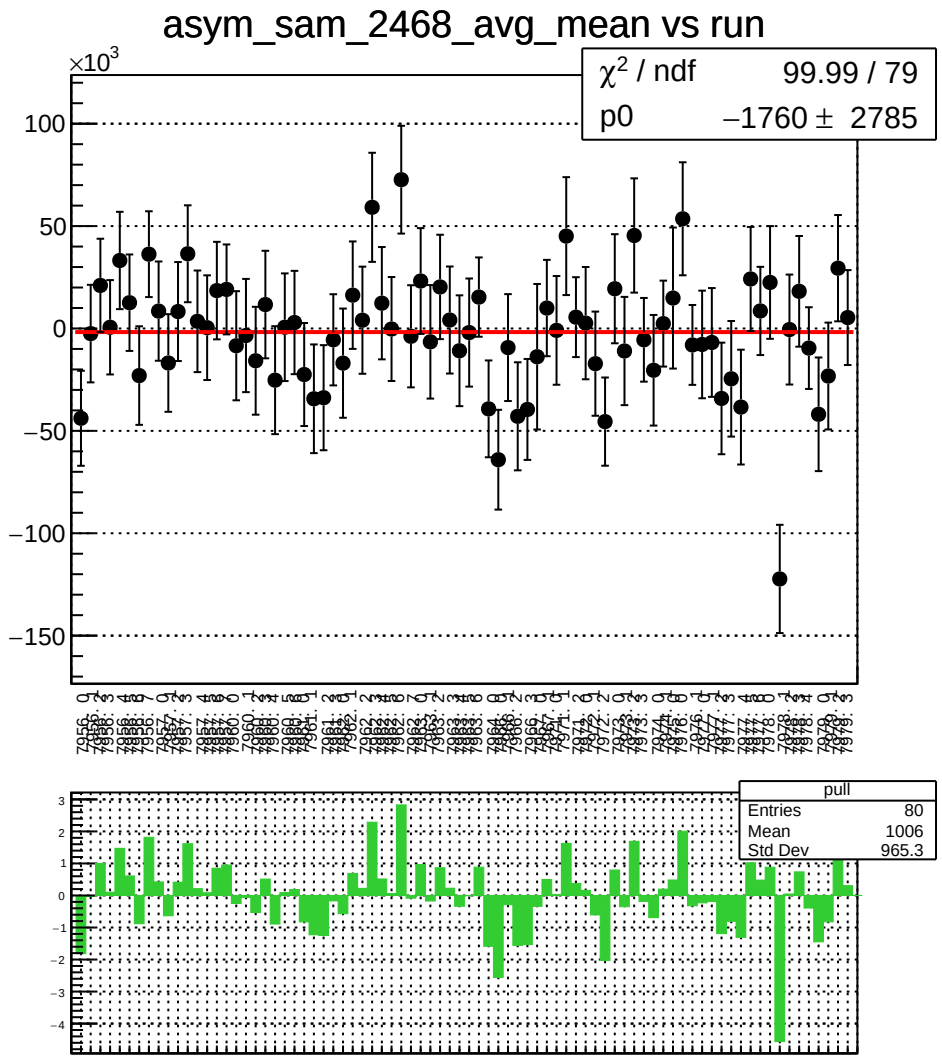

pull1D
Entries 80
Mean −0.03173
Std Dev 1.011

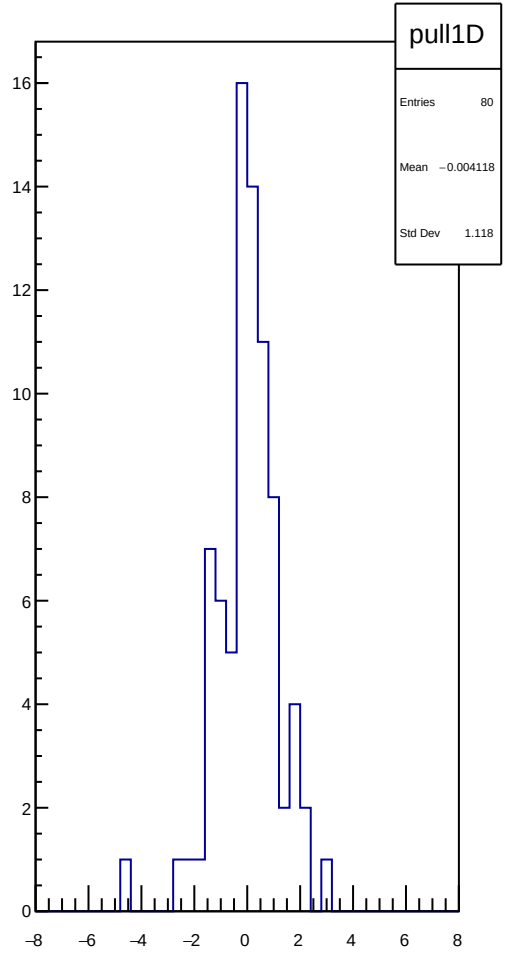

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 5.009e+04 / 79
p0 228 ± 0.1836
900
800
700
600
500
400
300
200

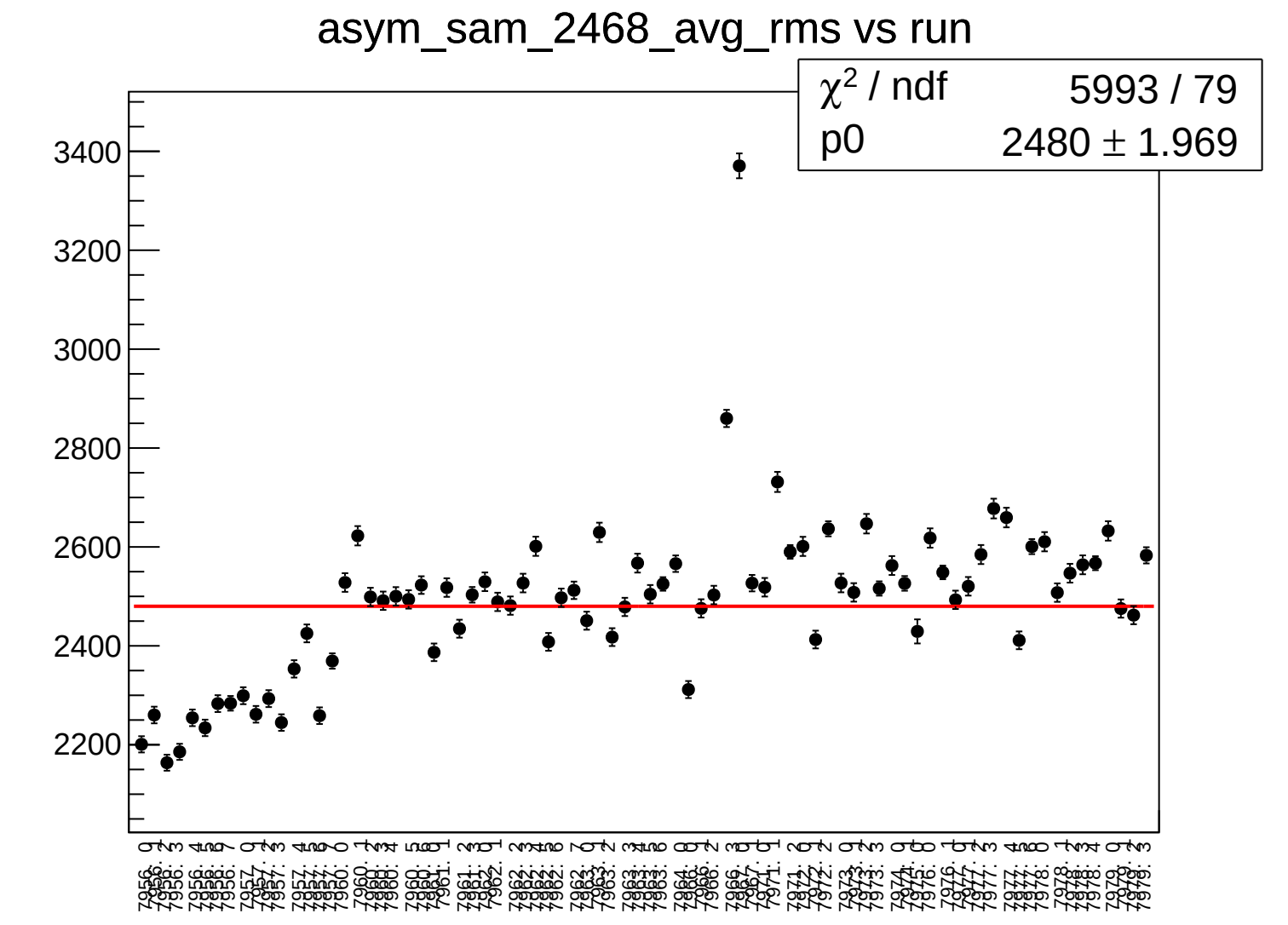

asym_sam_2468_avg_correction_mean vs run
×10^3
χ^2 / ndf 98.65 / 79
p0 2096 ± 2811
150
100
50
0
−50
−100
pull
Entries 80
Mean −1245
Std Dev 1285
4
3
2
1
0
−1
−2
−3

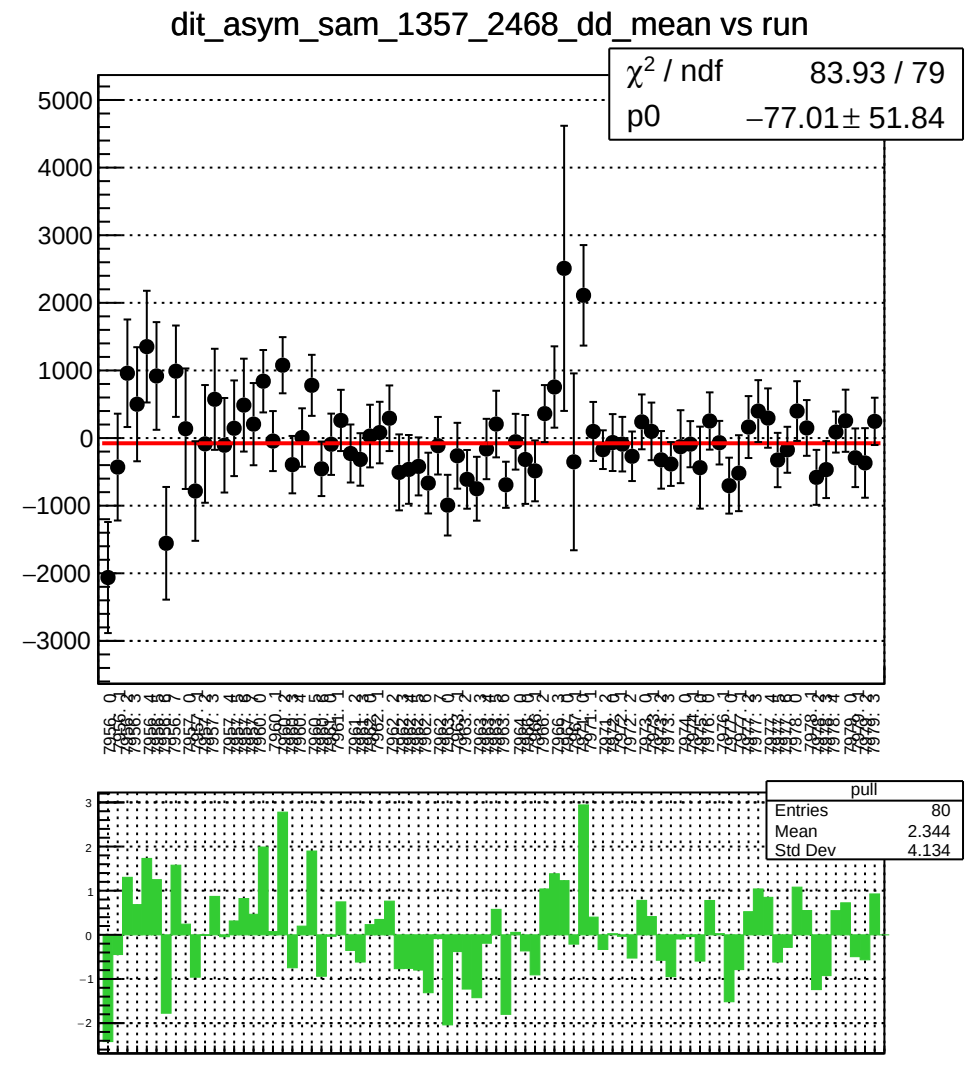

pull1D
Entries 80
Mean −0.003177
Std Dev 1.11
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

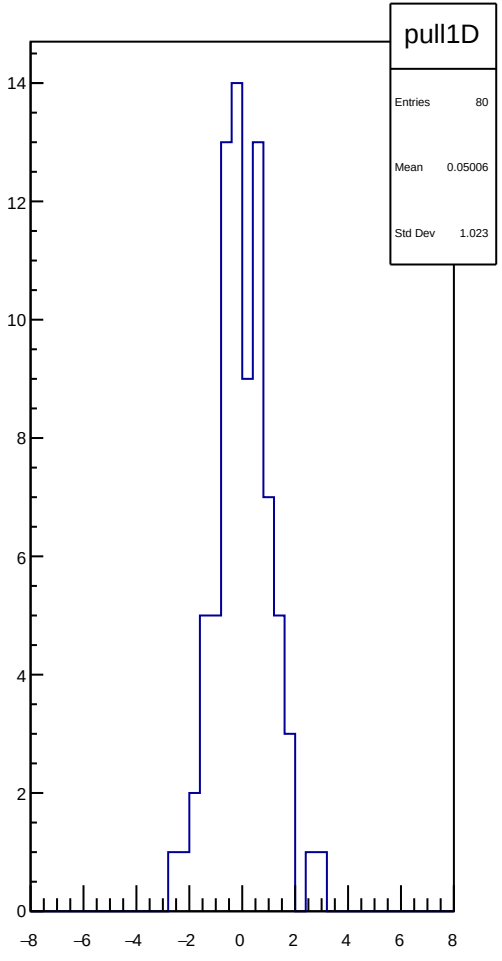

asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 1920 / 79
p0 2506 ± 1.987
2800
2700
2600
2500
2400
2300

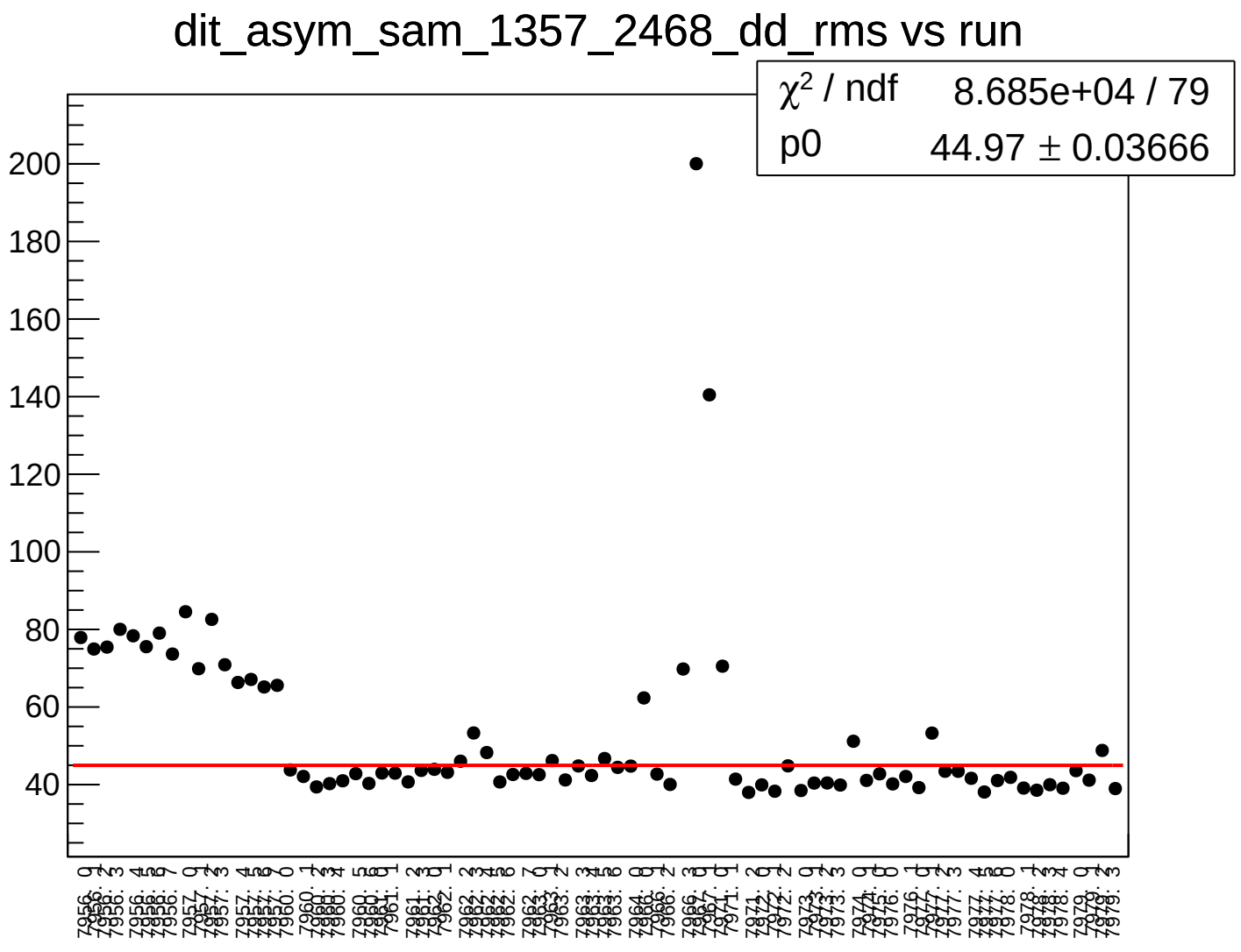

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 99.99 / 79
p0 −1760 ± 2785
100
50
0
−50
−100
−150
pull
Entries 80
Mean 1006
Std Dev 965.3
3
2
1
0
−1
−2
−3
−4

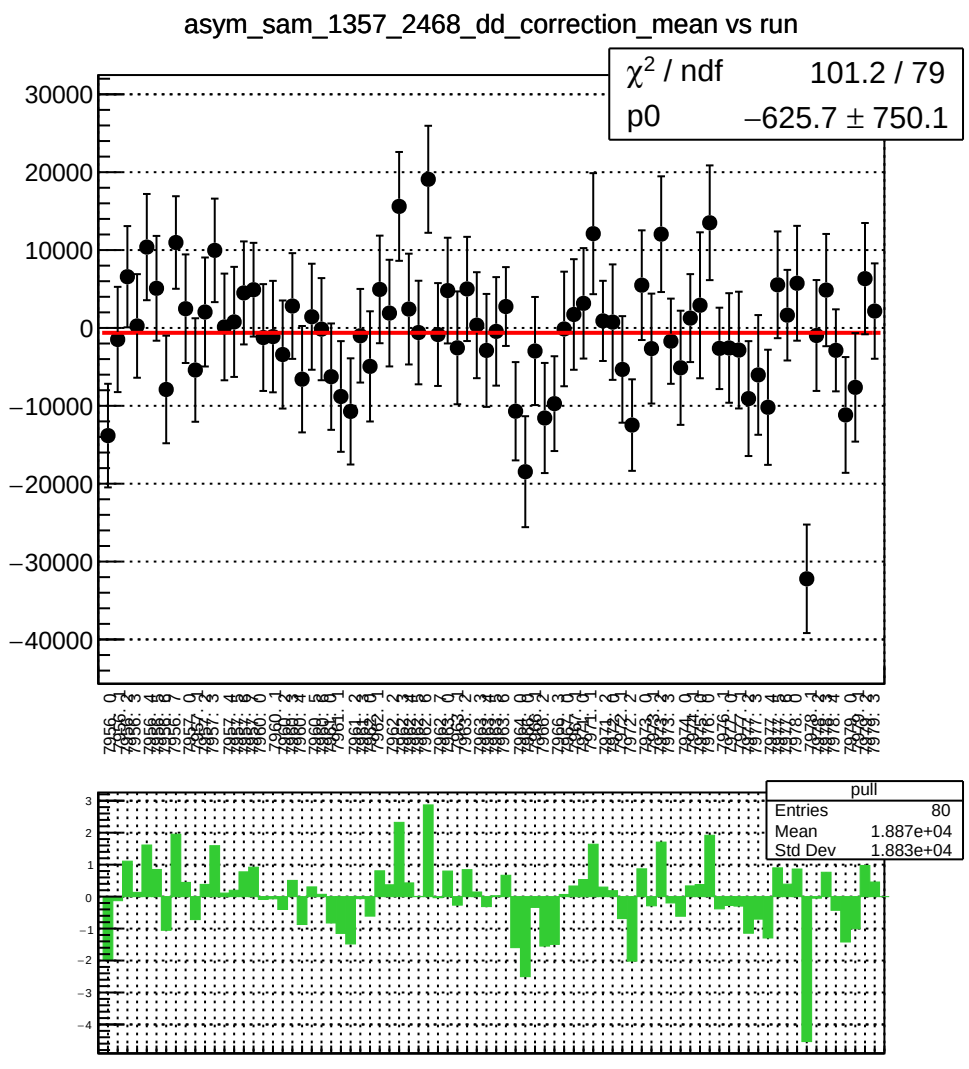

pull1D
Entries 80
Mean −0.004118
Std Dev 1.118
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

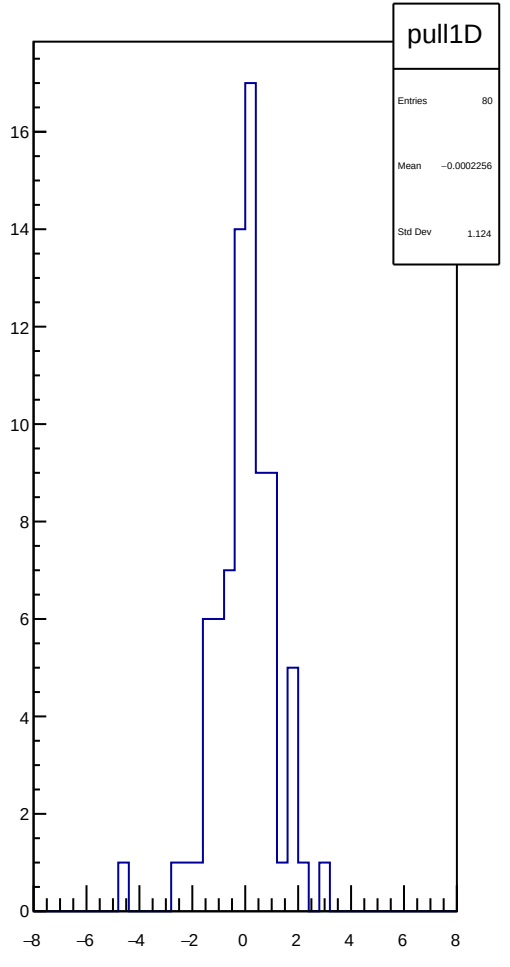

asym_sam_2468_avg_rms vs run
χ² / ndf 5993 / 79
p0 2480 ± 1.969
3400
3200
3000
2800
2600
2400
2200

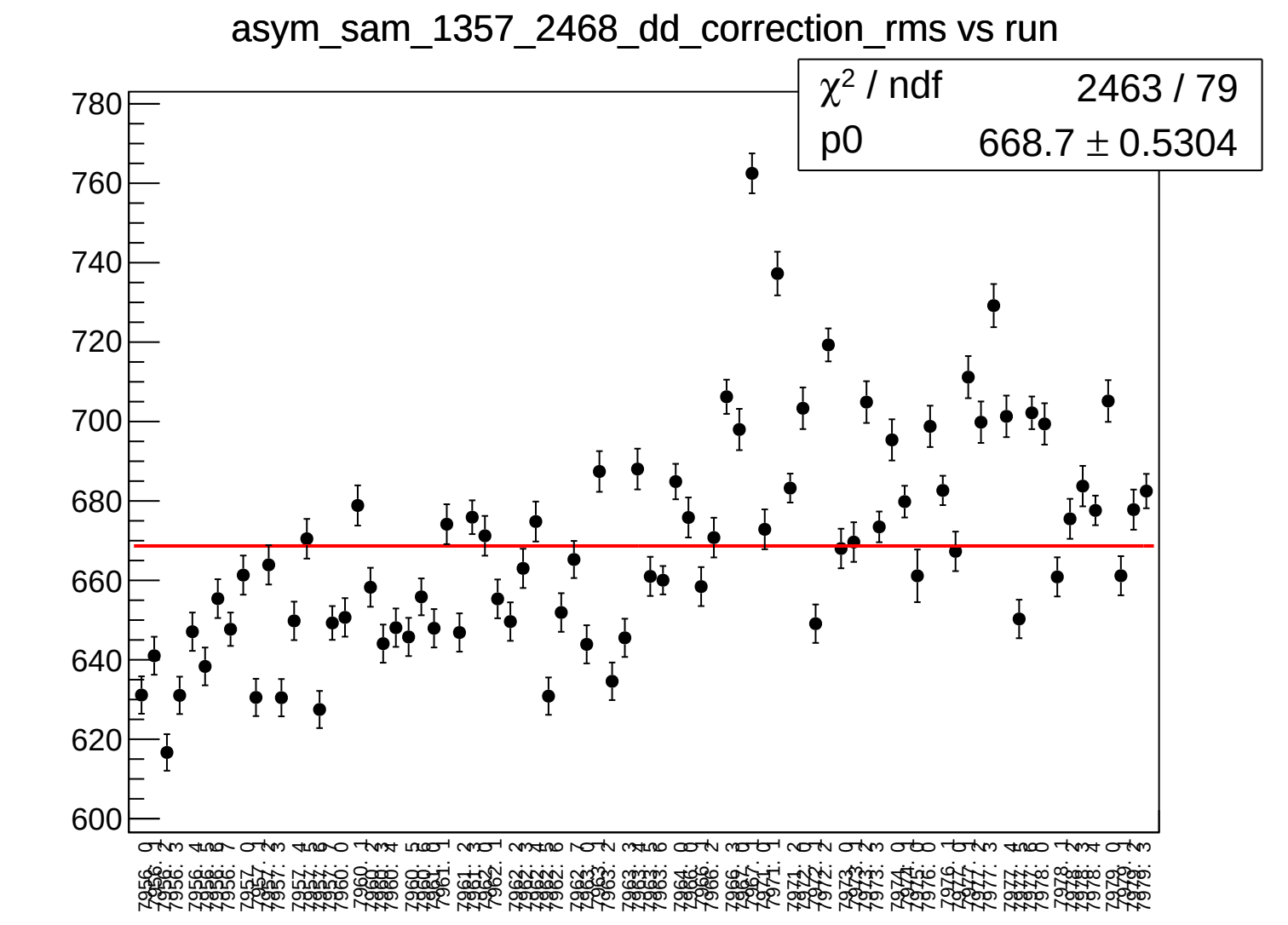

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.93 / 79
p0 −77.01 ± 51.84
pull
Entries 80
Mean 2.344
Std Dev 4.134

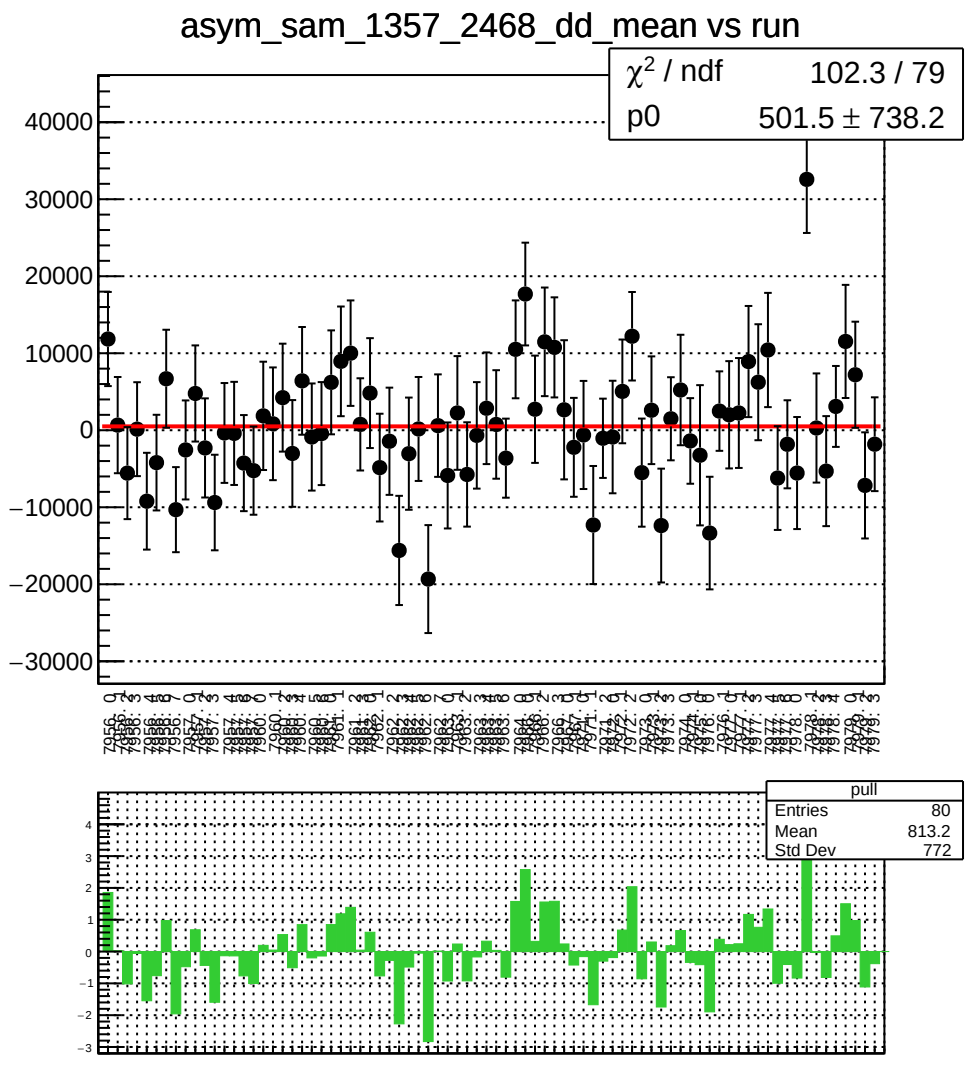

pull1D
Entries 80
Mean 0.05006
Std Dev 1.023

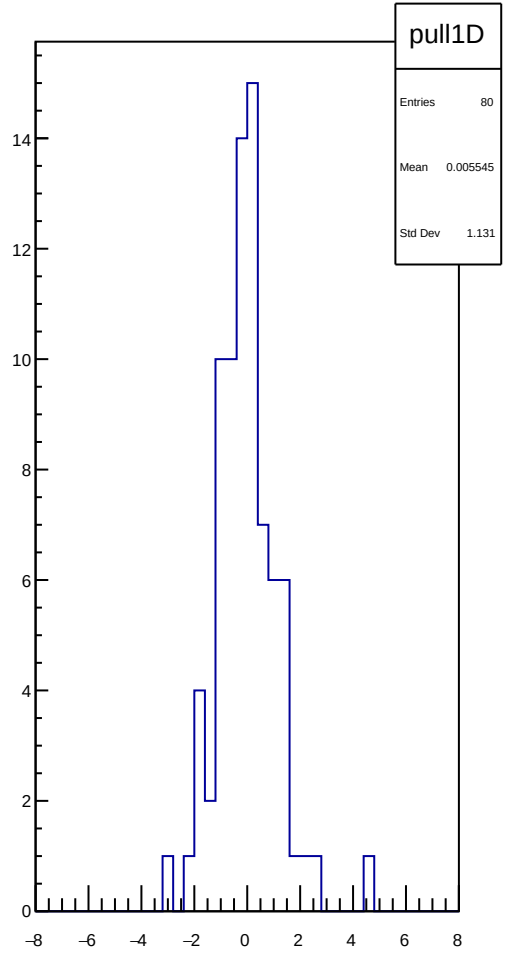

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8.685e+04 / 79
p0 44.97 ± 0.03666
200
180
160
140
120
100
80
60
40

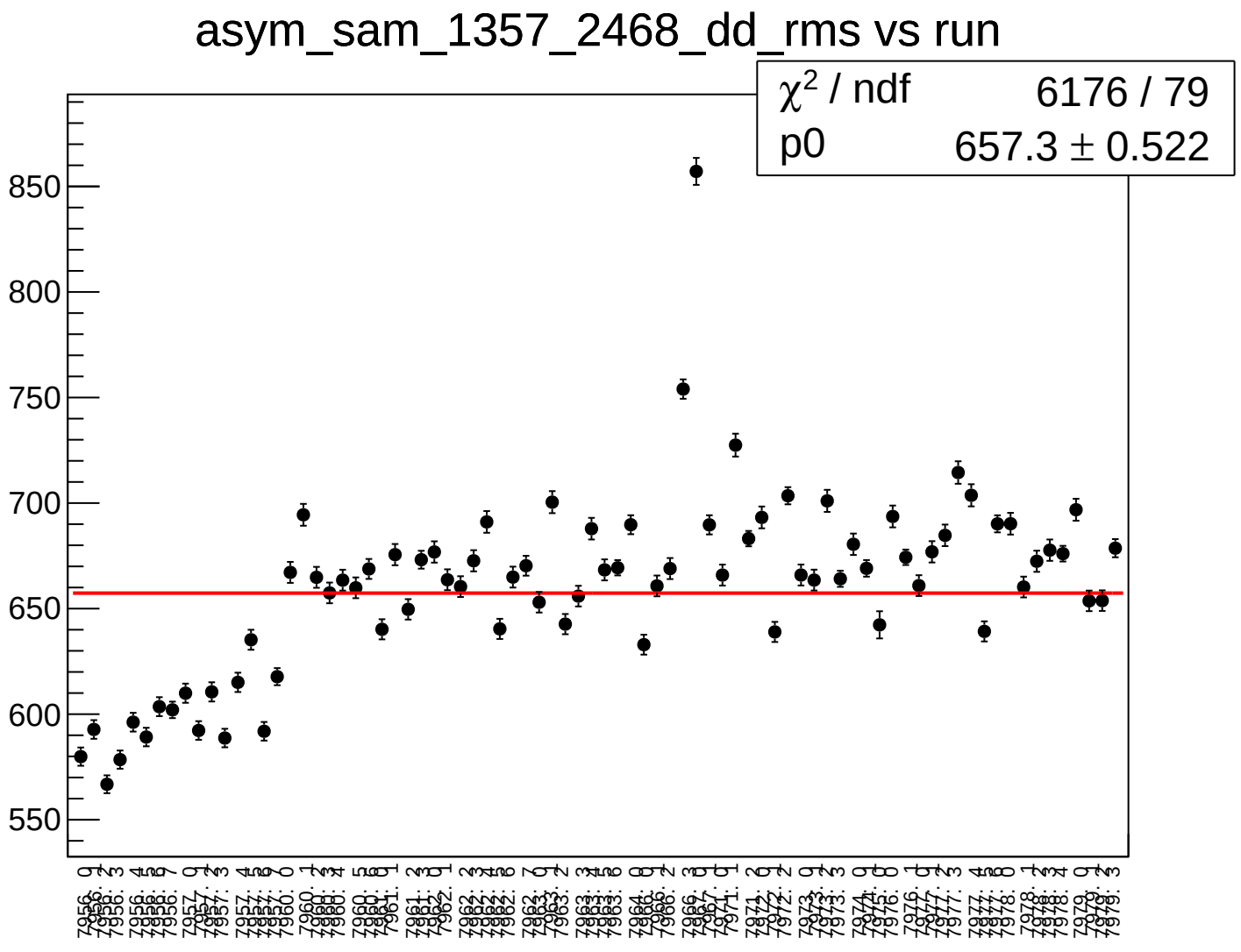

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 101.2 / 79
p0 −625.7 ± 750.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean 1.887e+04
Std Dev 1.883e+04
3
2
1
0
−1
−2
−3
−4

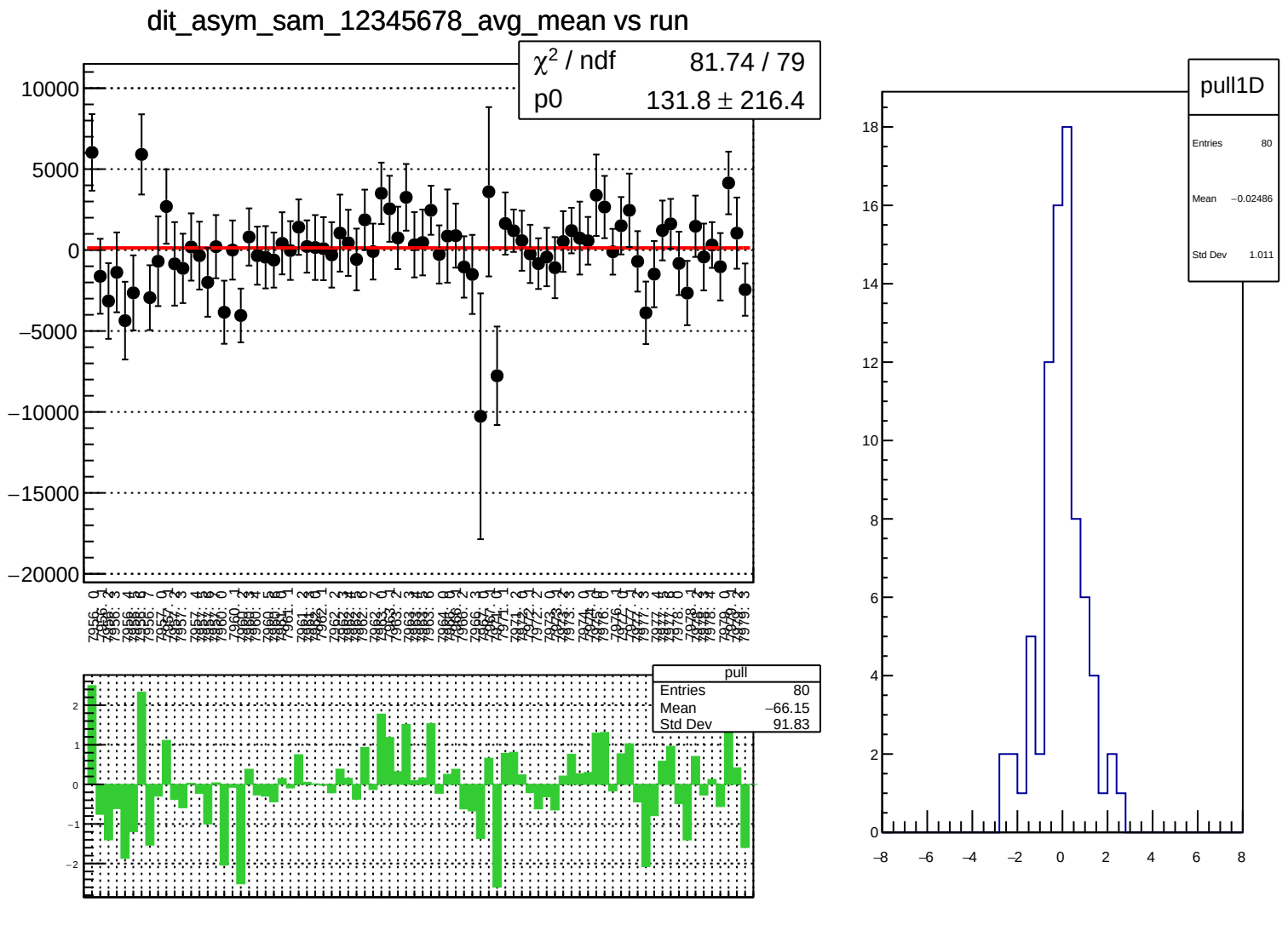

pull1D
Entries 80
Mean −0.0002256
Std Dev 1.124
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

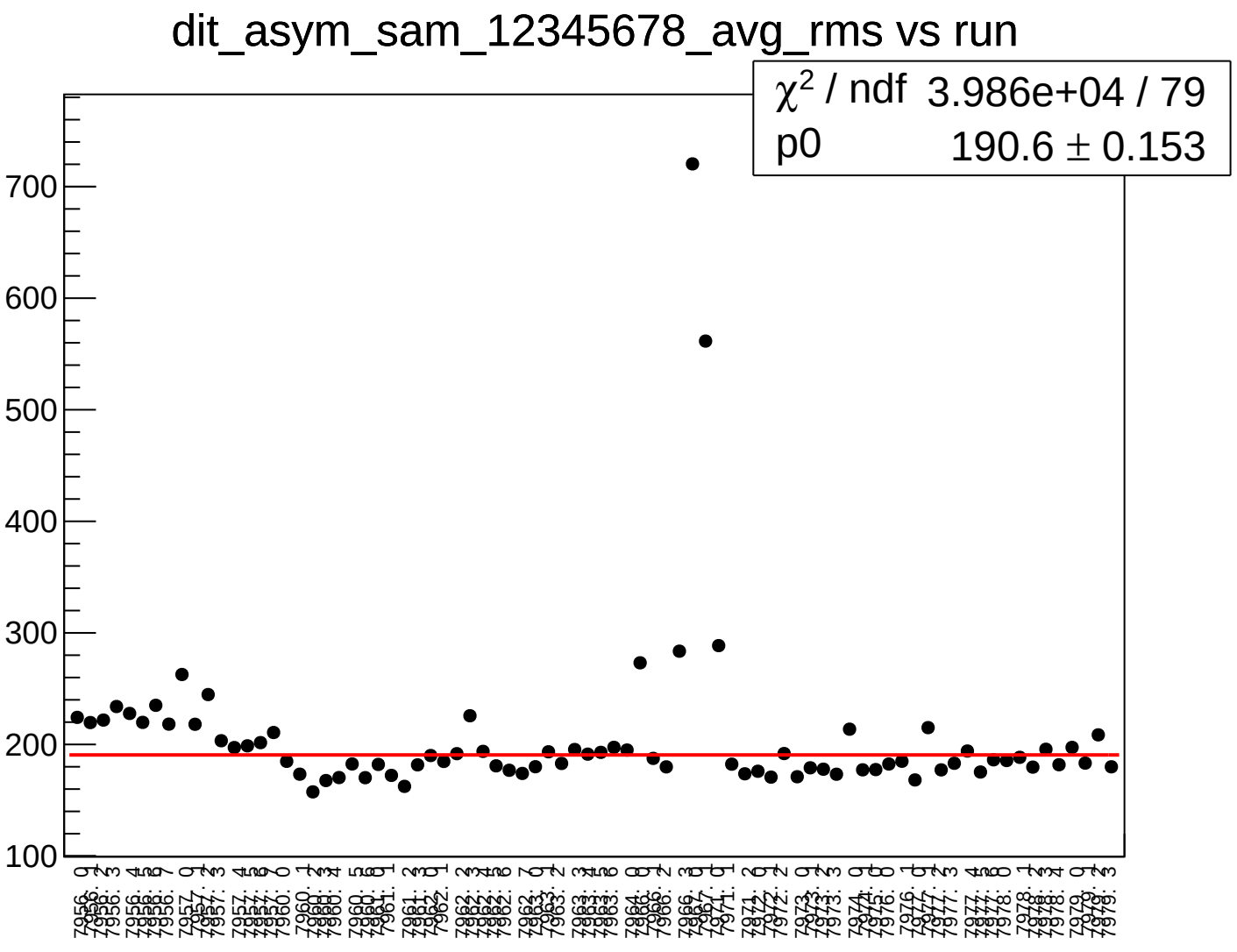

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2463 / 79
p0 668.7 ± 0.5304
780
760
740
720
700
680
660
640
620
600

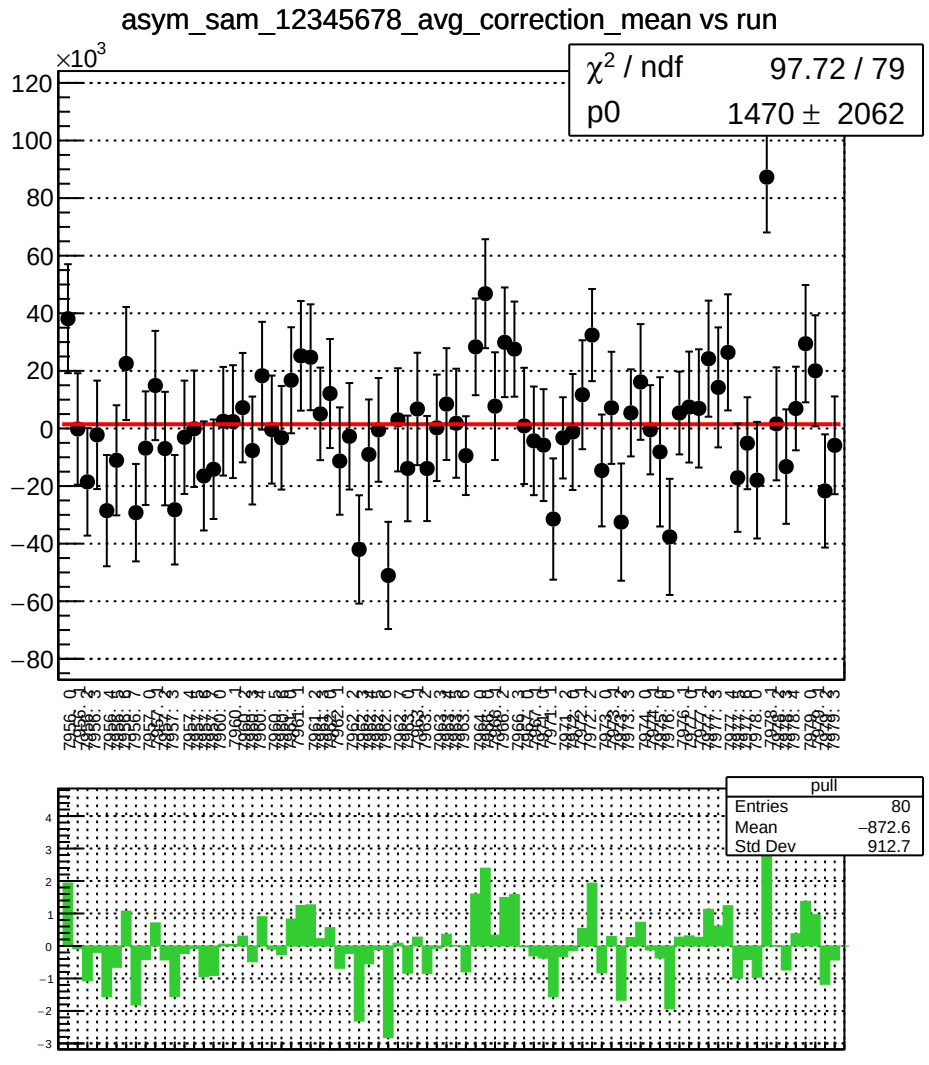

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 102.3 / 79
p0 501.5 ± 738.2
pull
Entries 80
Mean 813.2
Std Dev 772

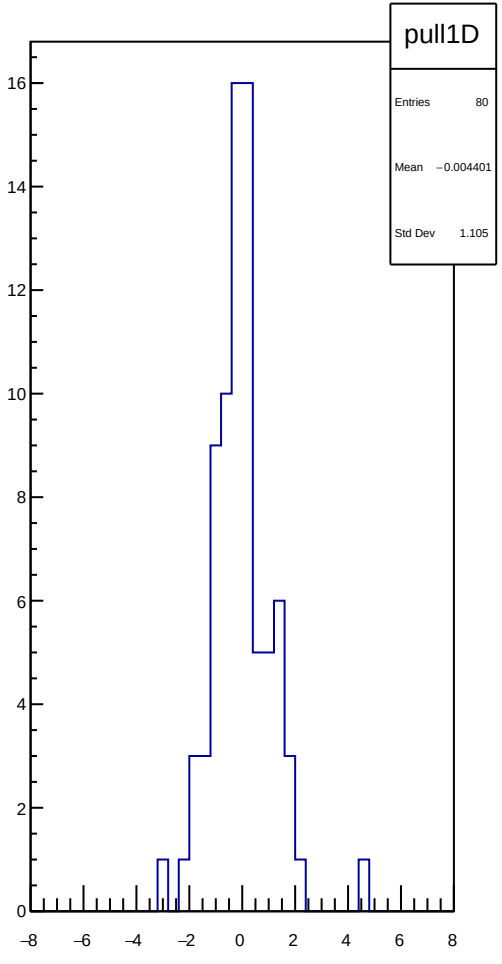

pull1D
Entries 80
Mean 0.005545
Std Dev 1.131

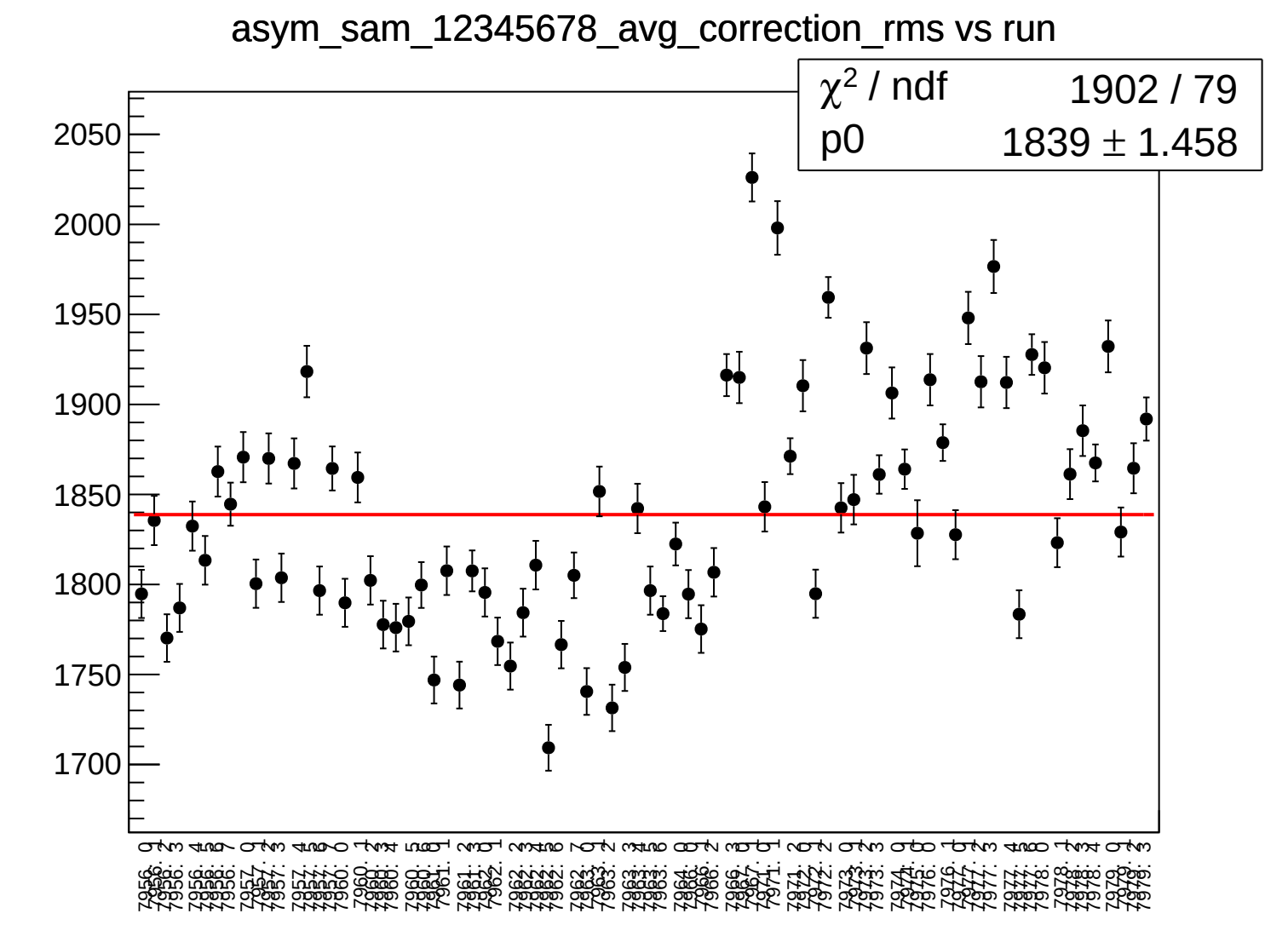

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6176 / 79
p0 657.3 ± 0.522
850
800
750
700
650
600
550

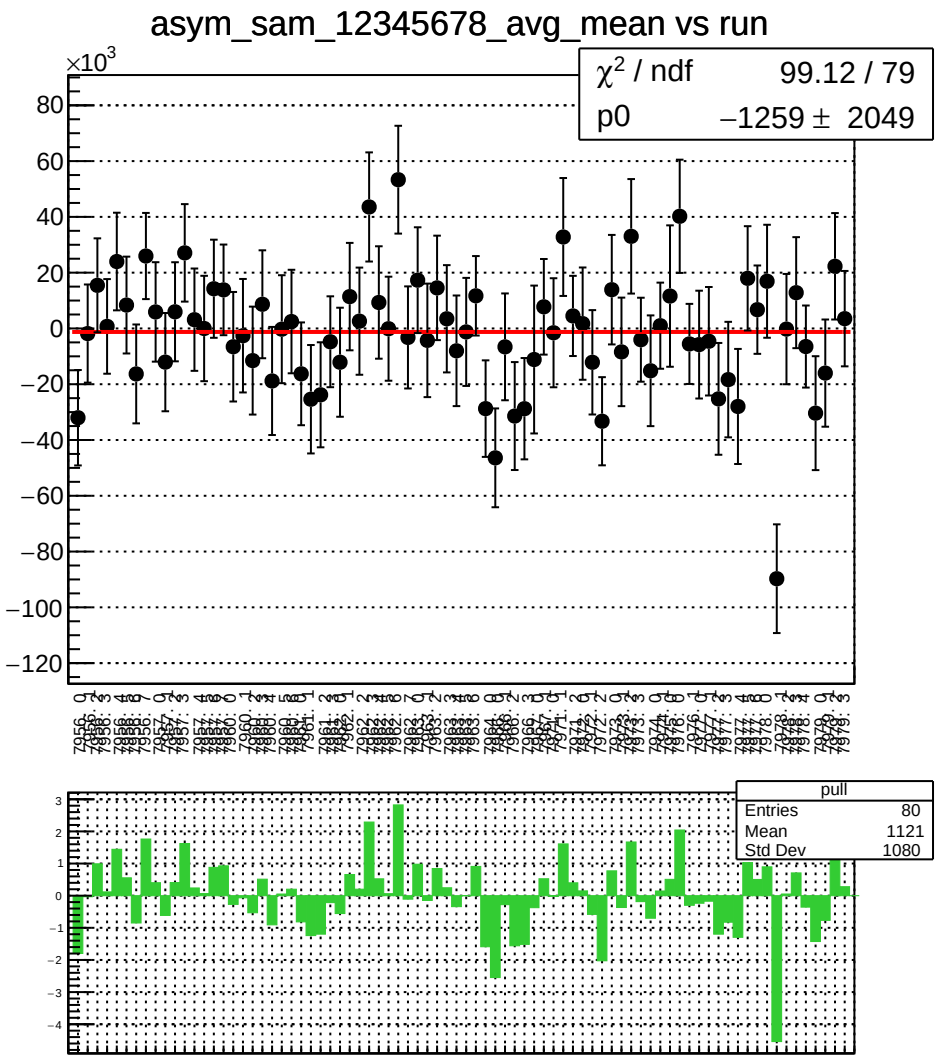

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 81.74 / 79
p0 131.8 ± 216.4
pull
Entries 80
Mean −66.15
Std Dev 91.83
pull1D
Entries 80
Mean −0.02486
Std Dev 1.011

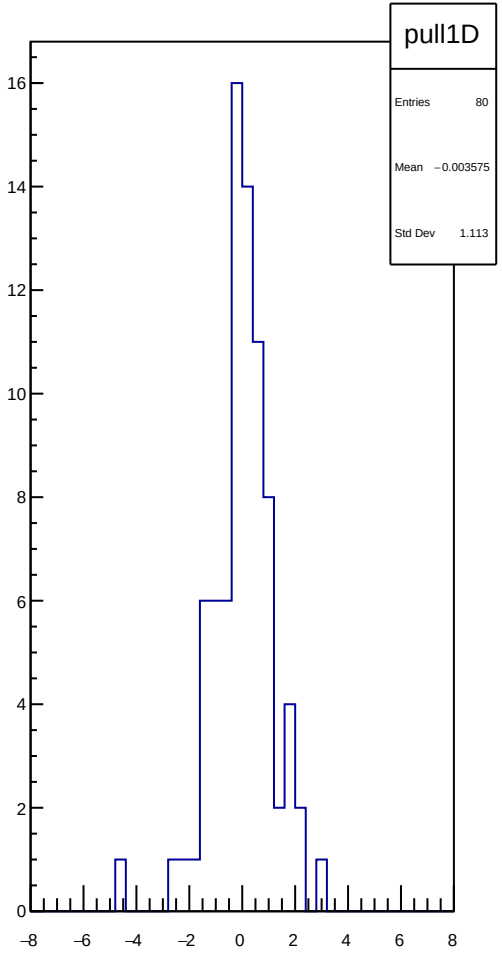

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.986e+04 / 79
p0 190.6 ± 0.153
700
600
500
400
300
200
100

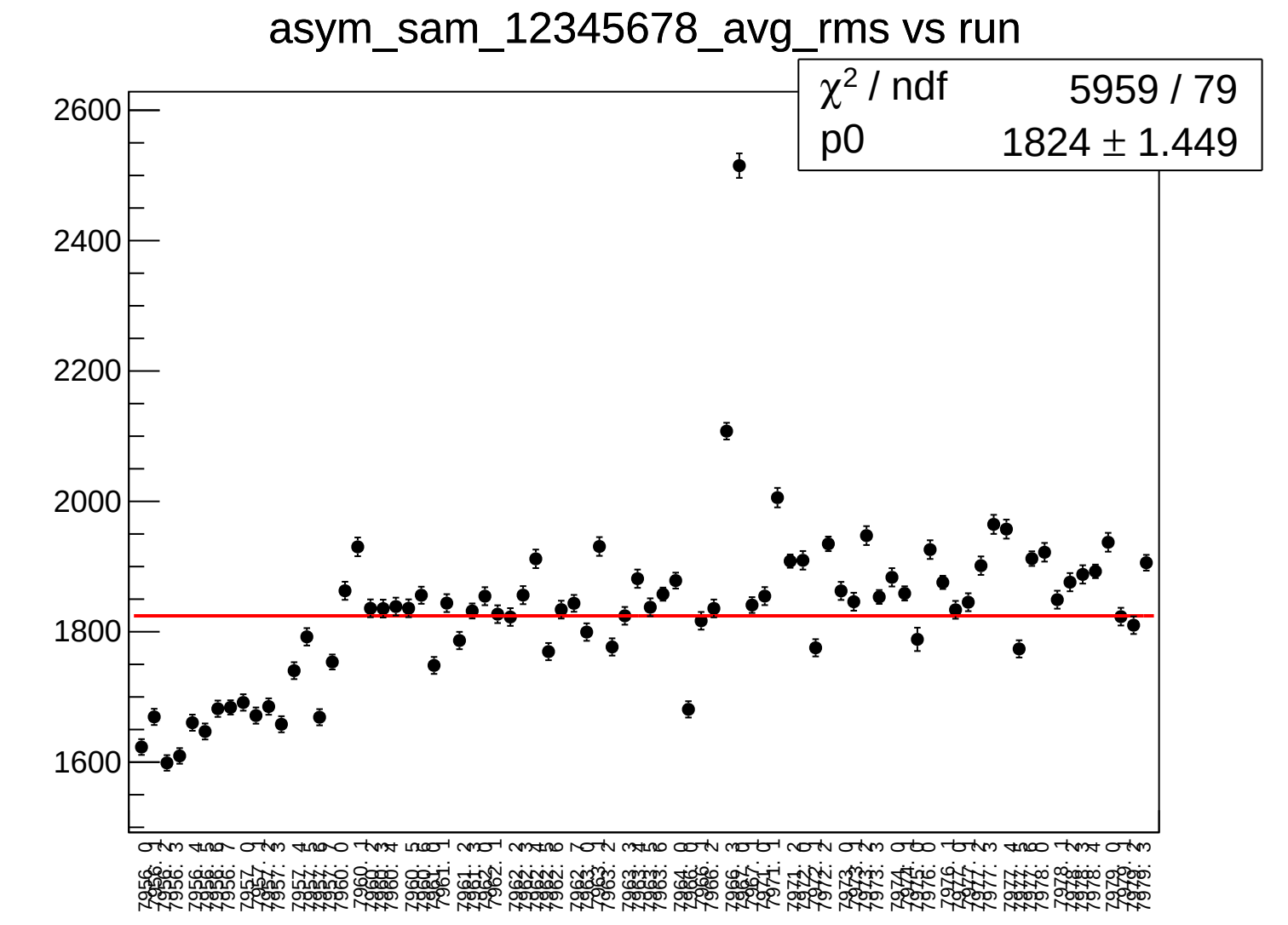

asym_sam_12345678_avg_correction_mean vs run
×10^3
χ² / ndf 97.72 / 79
p0 1470 ± 2062
pull
Entries 80
Mean −872.6
Std Dev 912.7

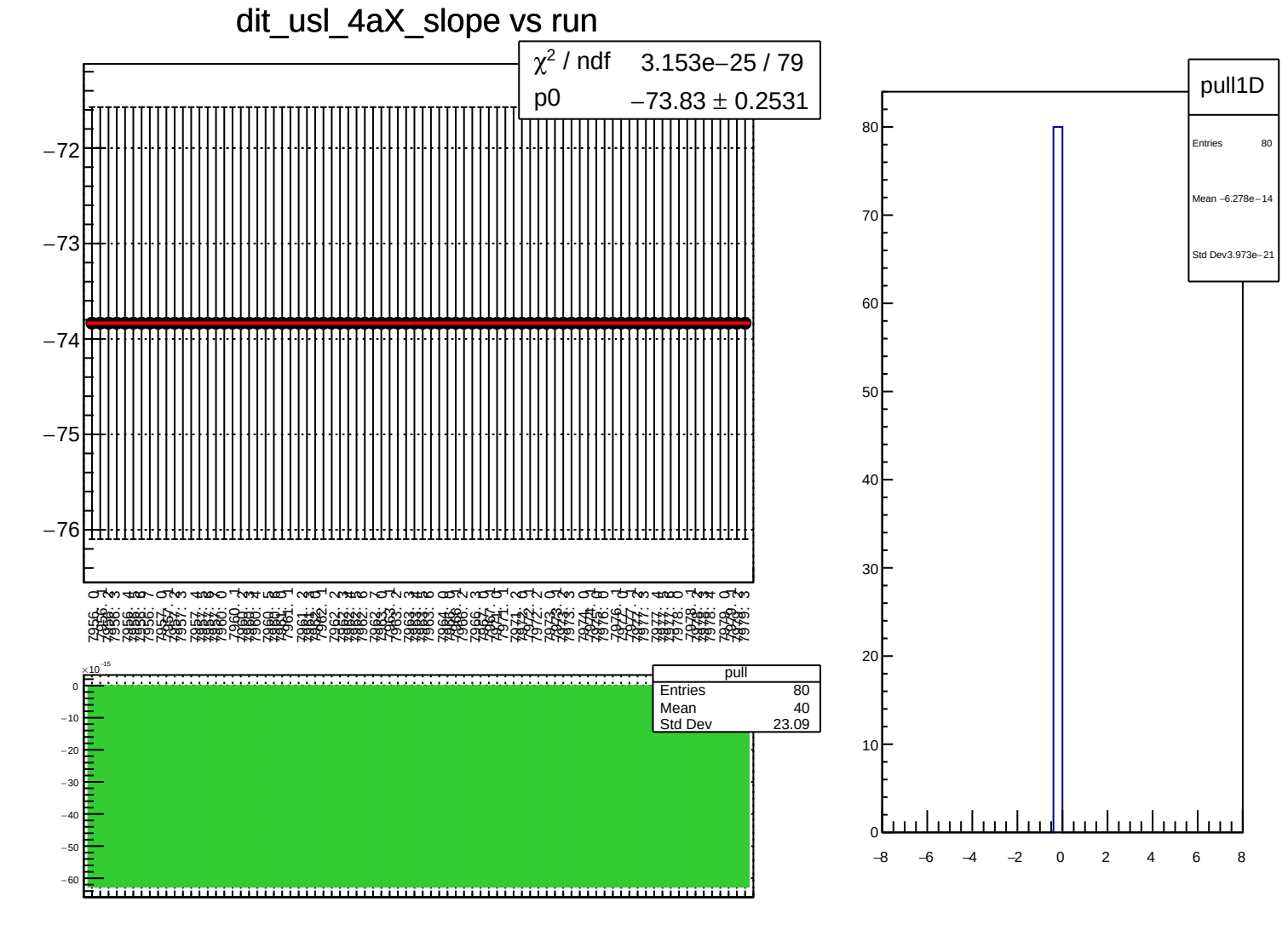

pull1D
Entries 80
Mean −0.004401
Std Dev 1.105

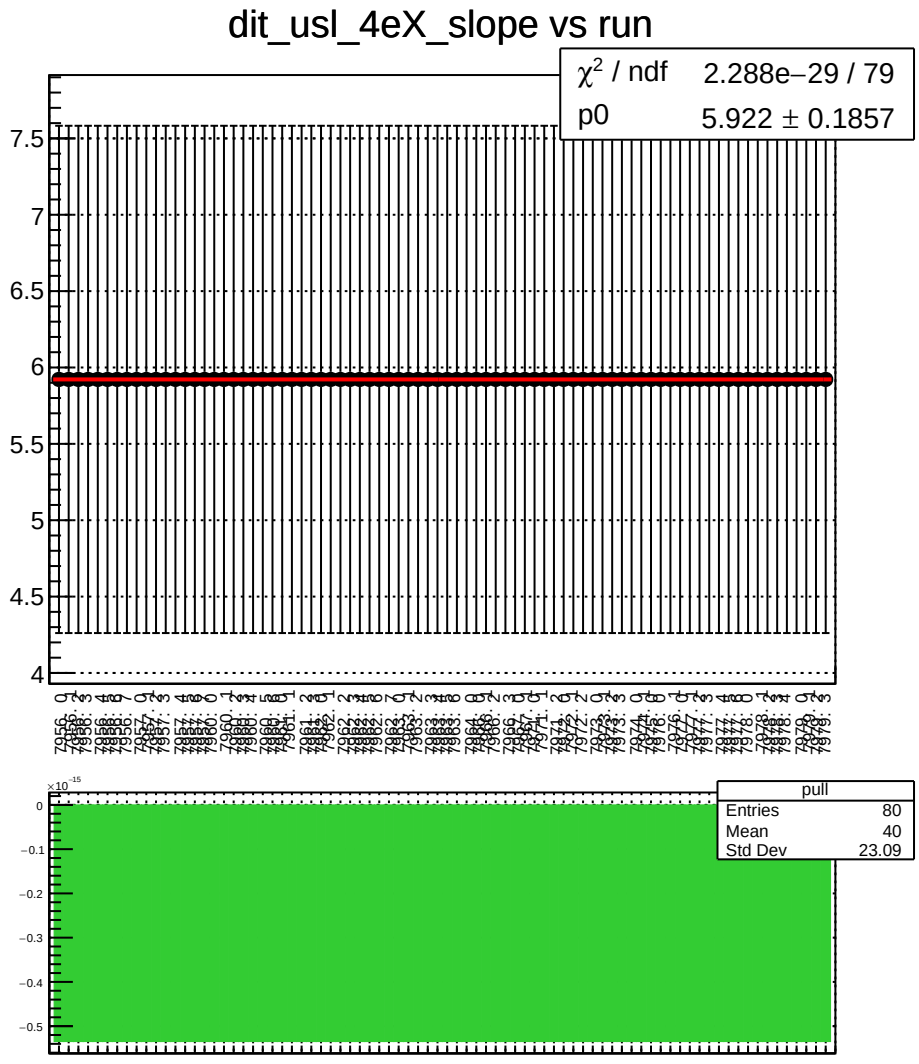

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1902 / 79
p0 1839 ± 1.458
2050
2000
1950
1900
1850
1800
1750
1700

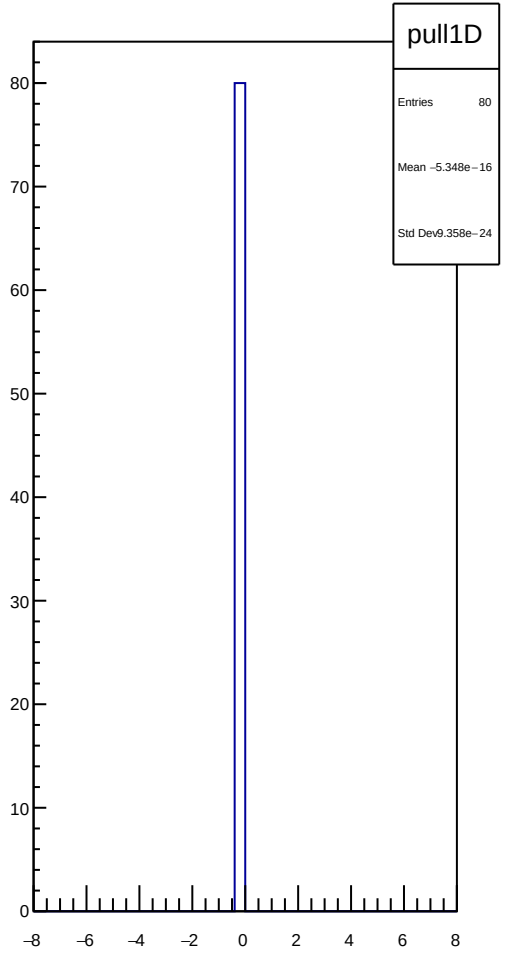

asym_sam_12345678_avg_mean vs run
×10^3
χ² / ndf 99.12 / 79
p0 −1259 ± 2049
pull
Entries 80
Mean 1121
Std Dev 1080

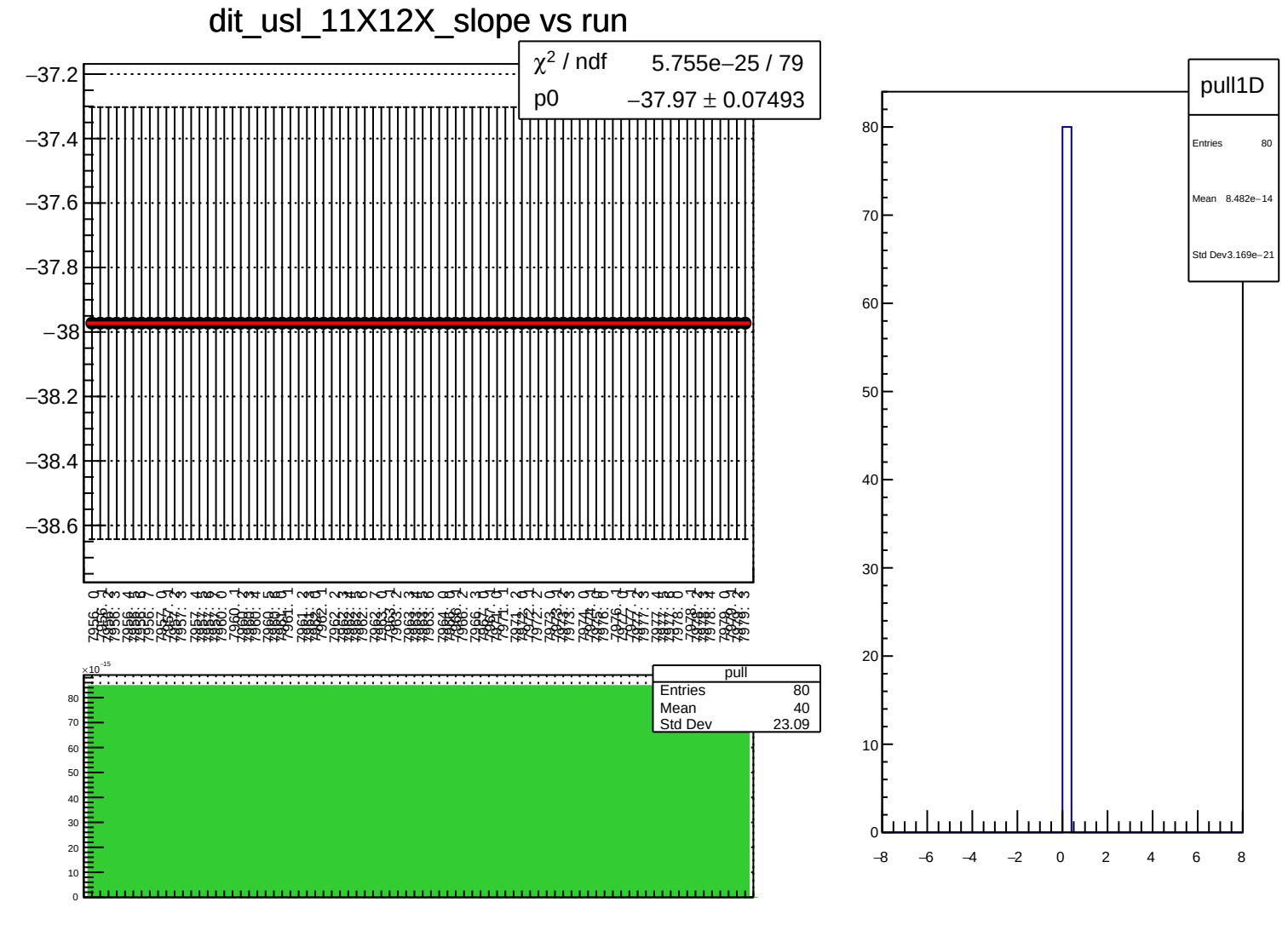

pull1D
Entries 80
Mean −0.003575
Std Dev 1.113

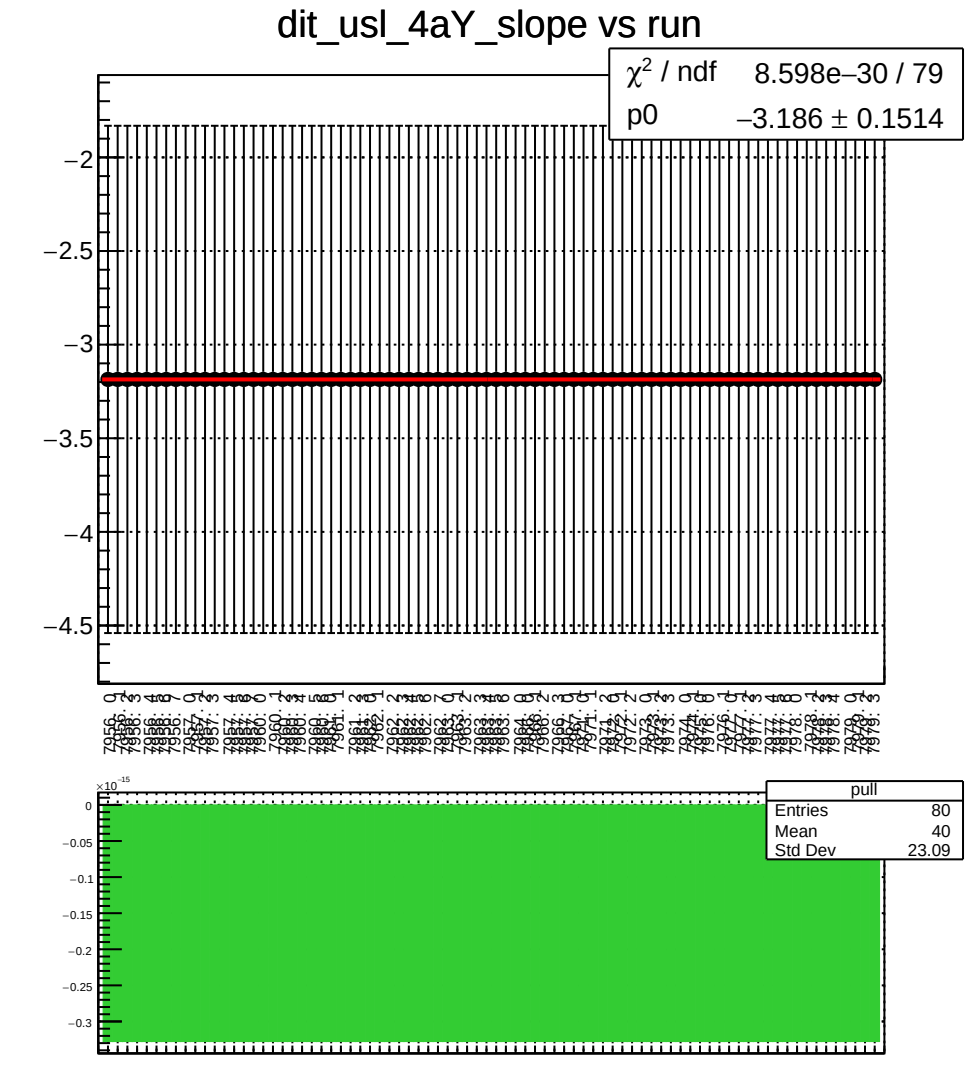

asym_sam_12345678_avg_rms vs run
χ² / ndf 5959 / 79
p0 1824 ± 1.449
2600
2400
2200
2000
1800
1600

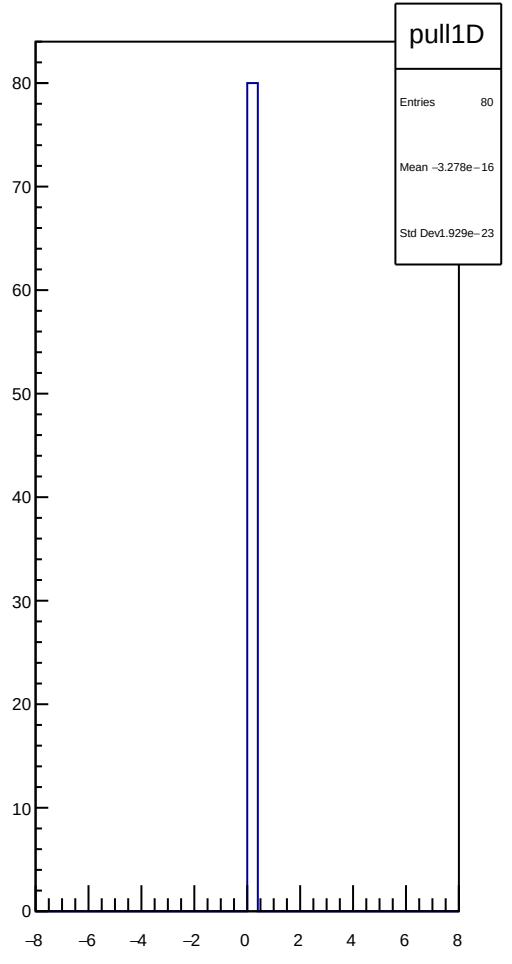

dit_usl_4aX_slope vs run
χ² / ndf 3.153e−25 / 79
p0 −73.83 ± 0.2531
−72
−73
−74
−75
−76
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 80
Mean −6.278e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

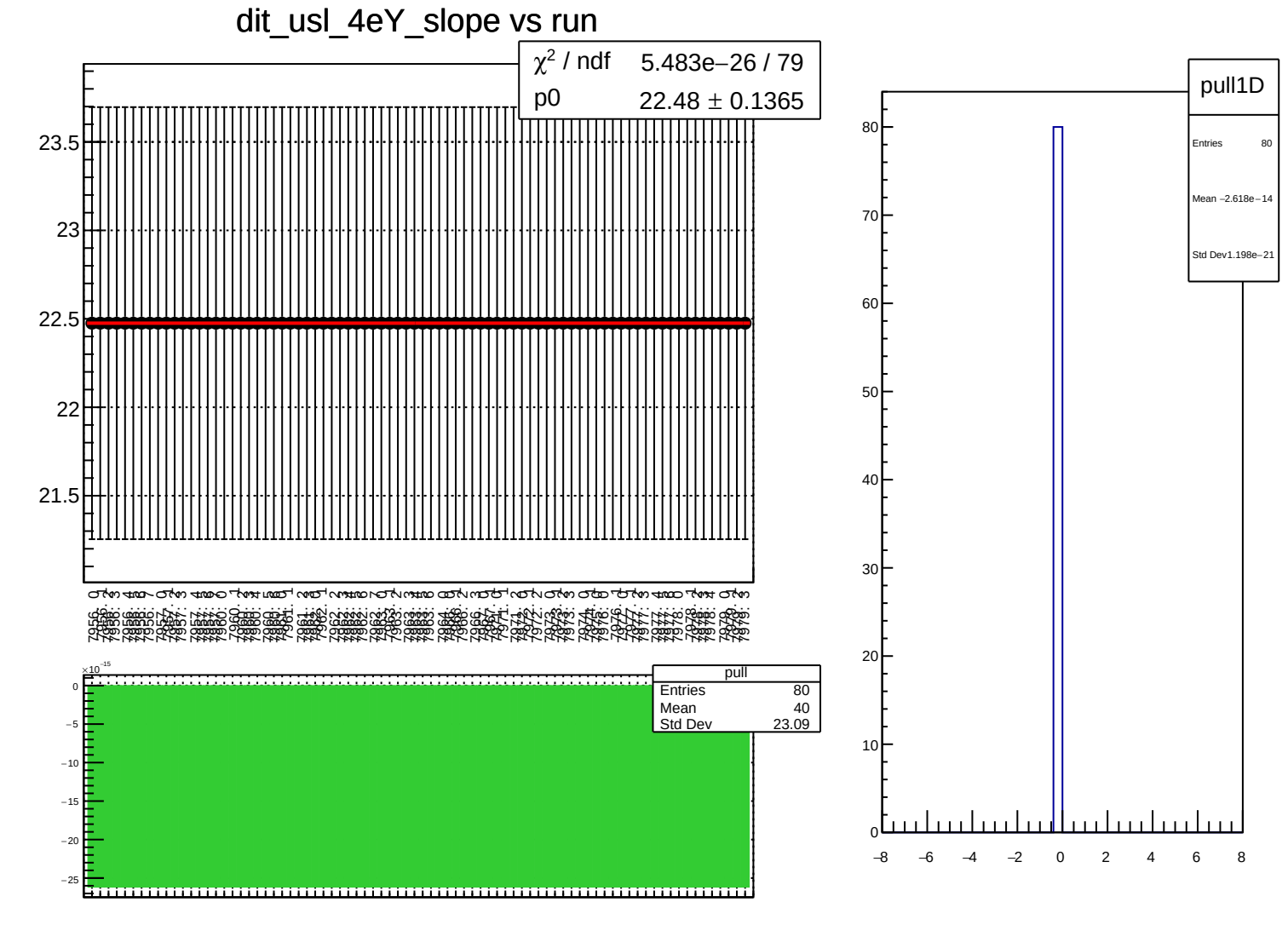

dit_usl_4eX_slope vs run
χ² / ndf 2.288e−29 / 79
p0 5.922 ± 0.1857
pull
Entries 80
Mean 40
Std Dev 23.09

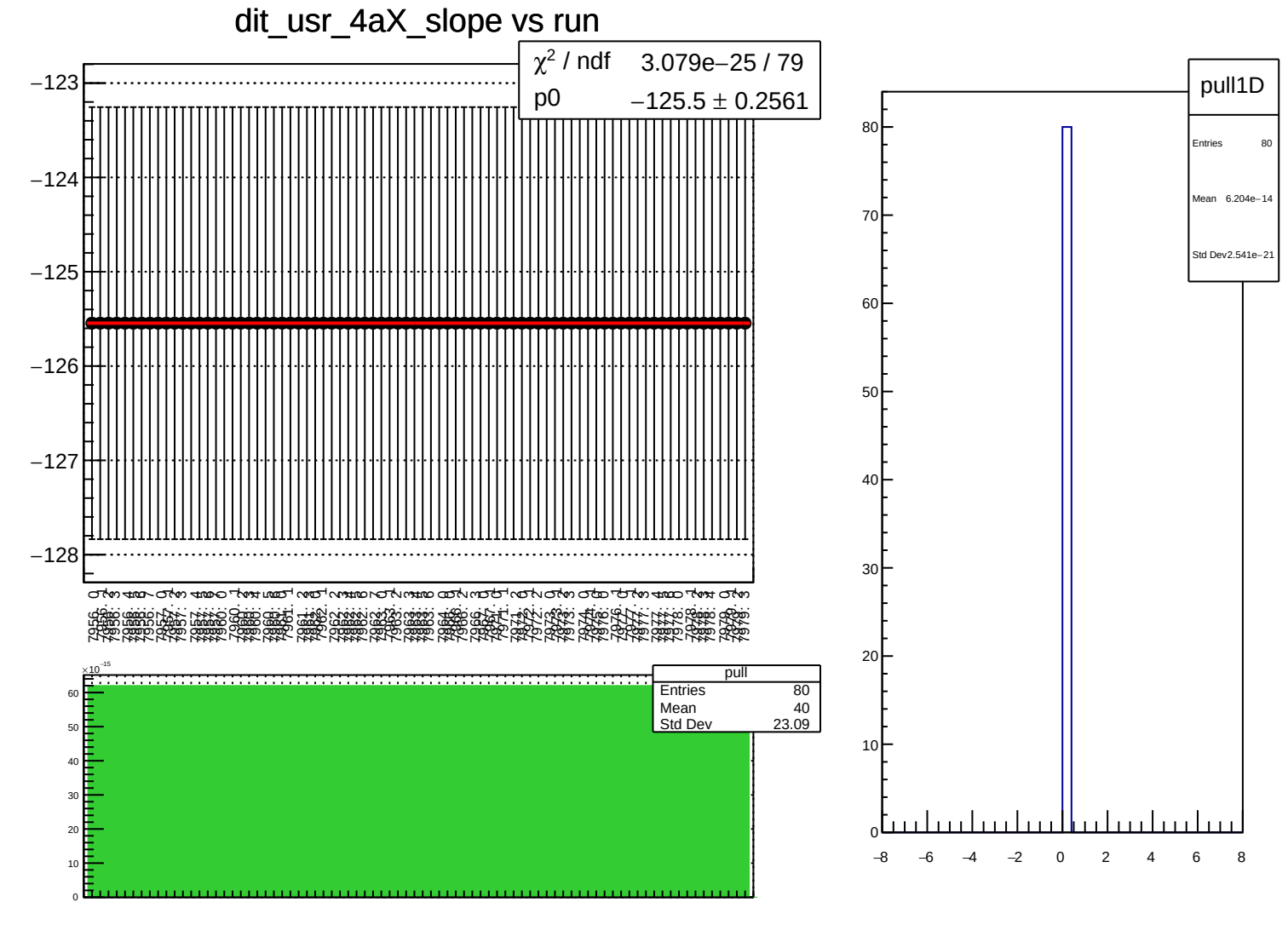

pull1D
Entries 80
Mean −5.348e−16
Std Dev9.358e−24

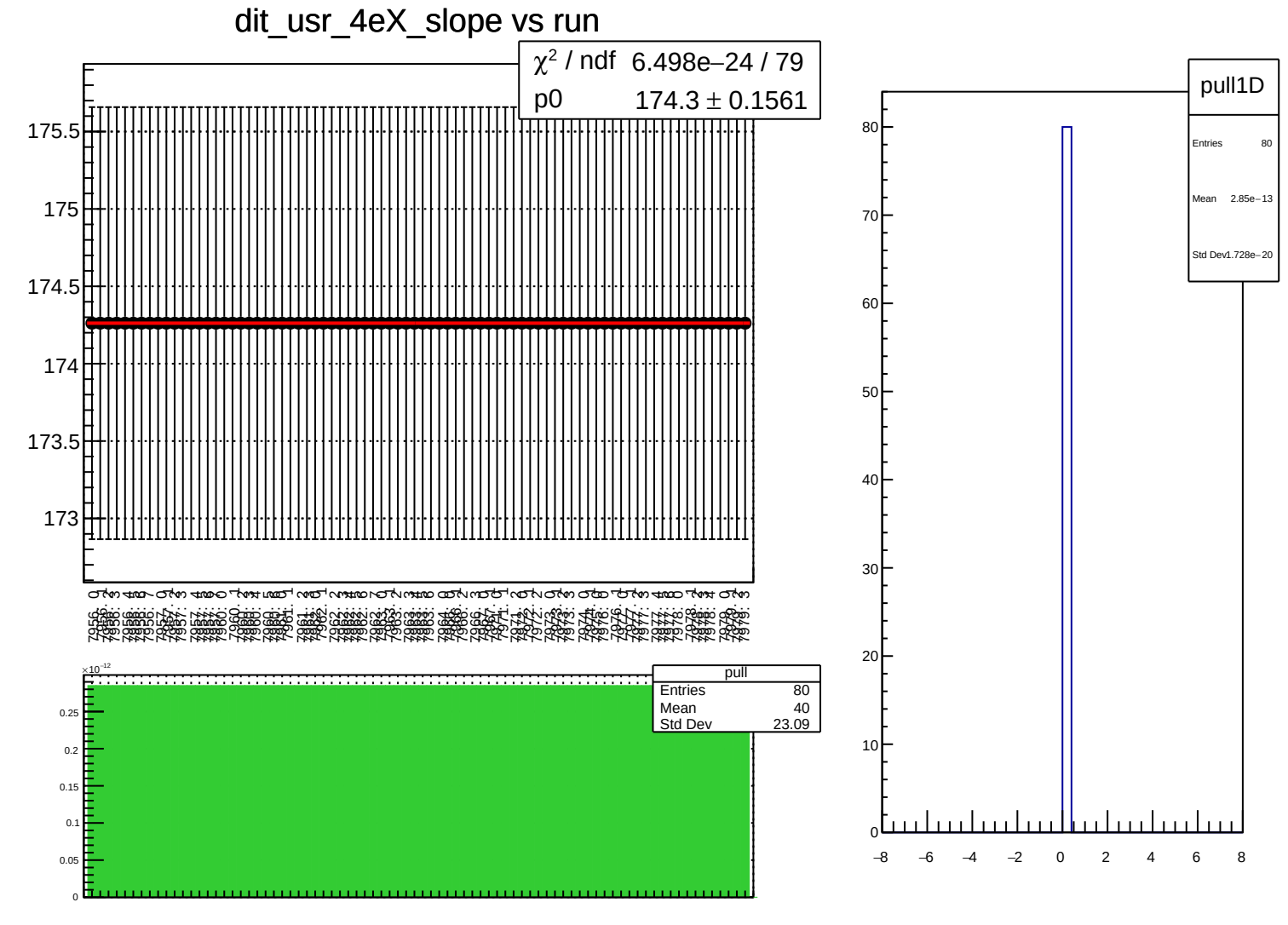

dit_usl_11X12X_slope vs run
χ² / ndf 5.755e−25 / 79
p0 −37.97 ± 0.07493
−37.2
−37.4
−37.6
−37.8
−38
−38.2
−38.4
−38.6
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.482e−14
Std Dev3.169e−21

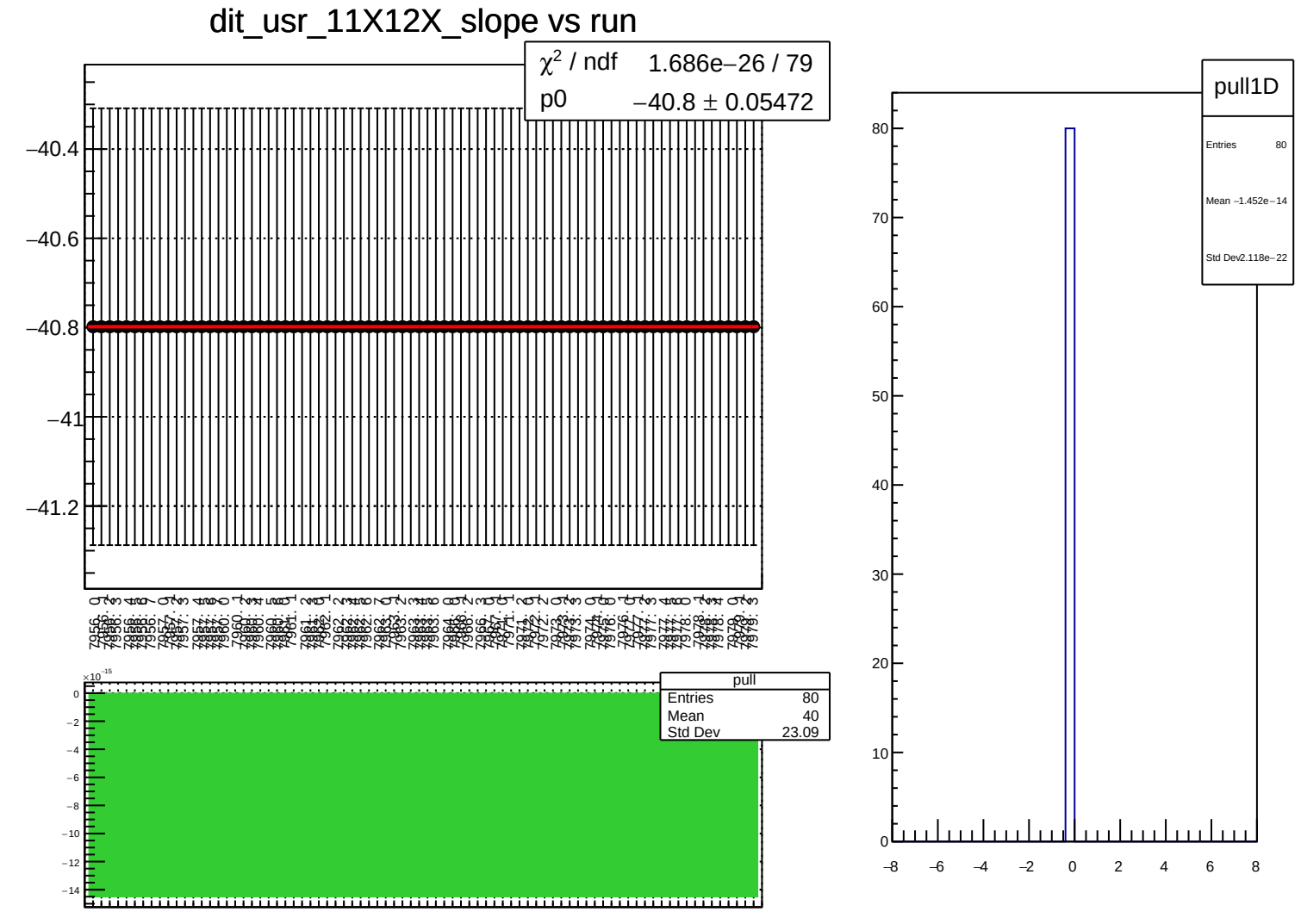

dit_usl_4aY_slope vs run
χ² / ndf 8.598e−30 / 79
p0 −3.186 ± 0.1514
−2
−2.5
−3
−3.5
−4
−4.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

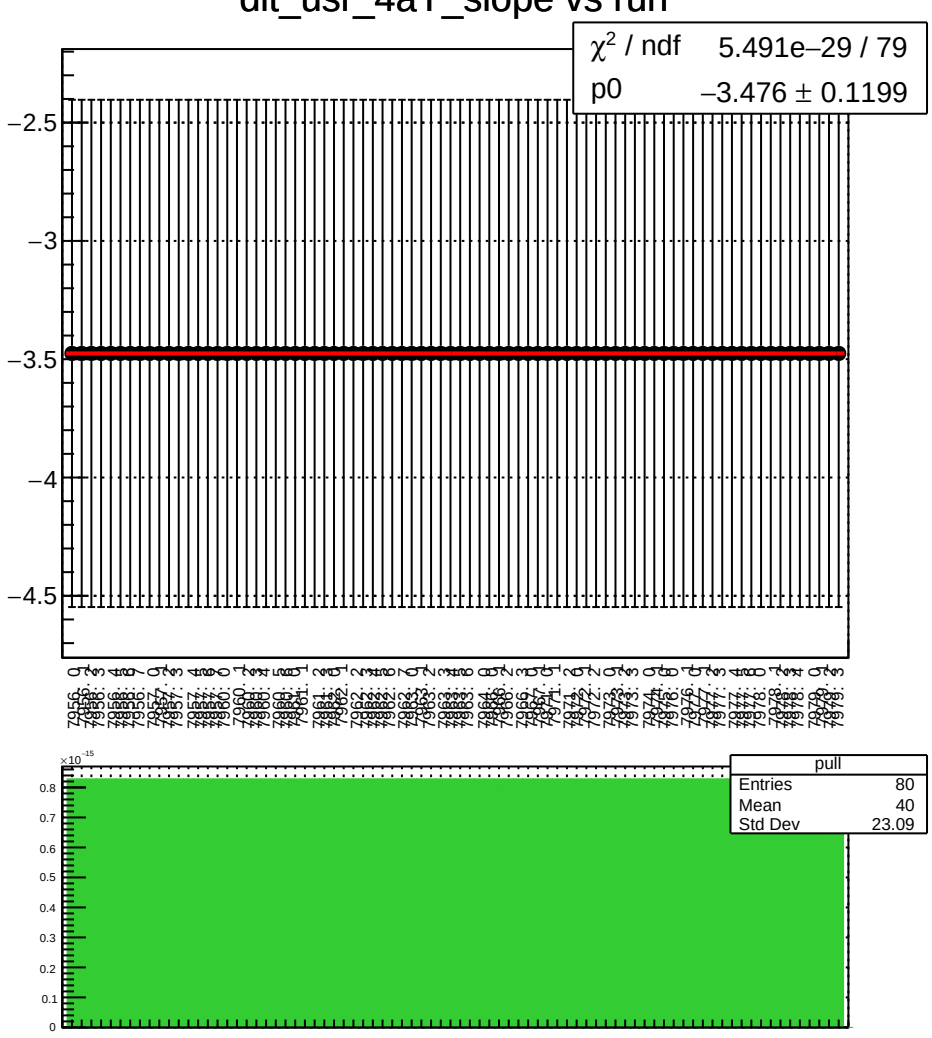

pull1D
Entries 80
Mean −3.278e−16
Std Dev1.929e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

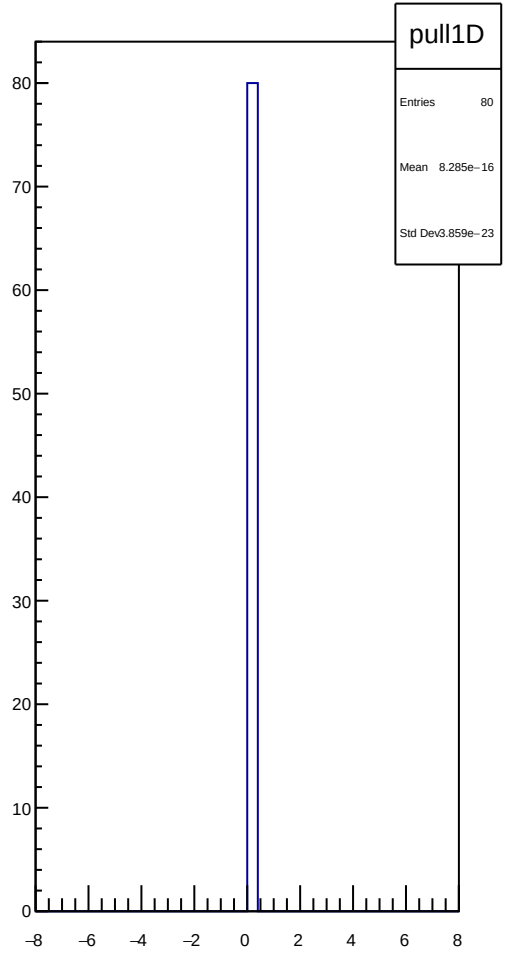

dit_usl_4eY_slope vs run
χ² / ndf 5.483e−26 / 79
p0 22.48 ± 0.1365
23.5
23
22.5
22
21.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean −2.618e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

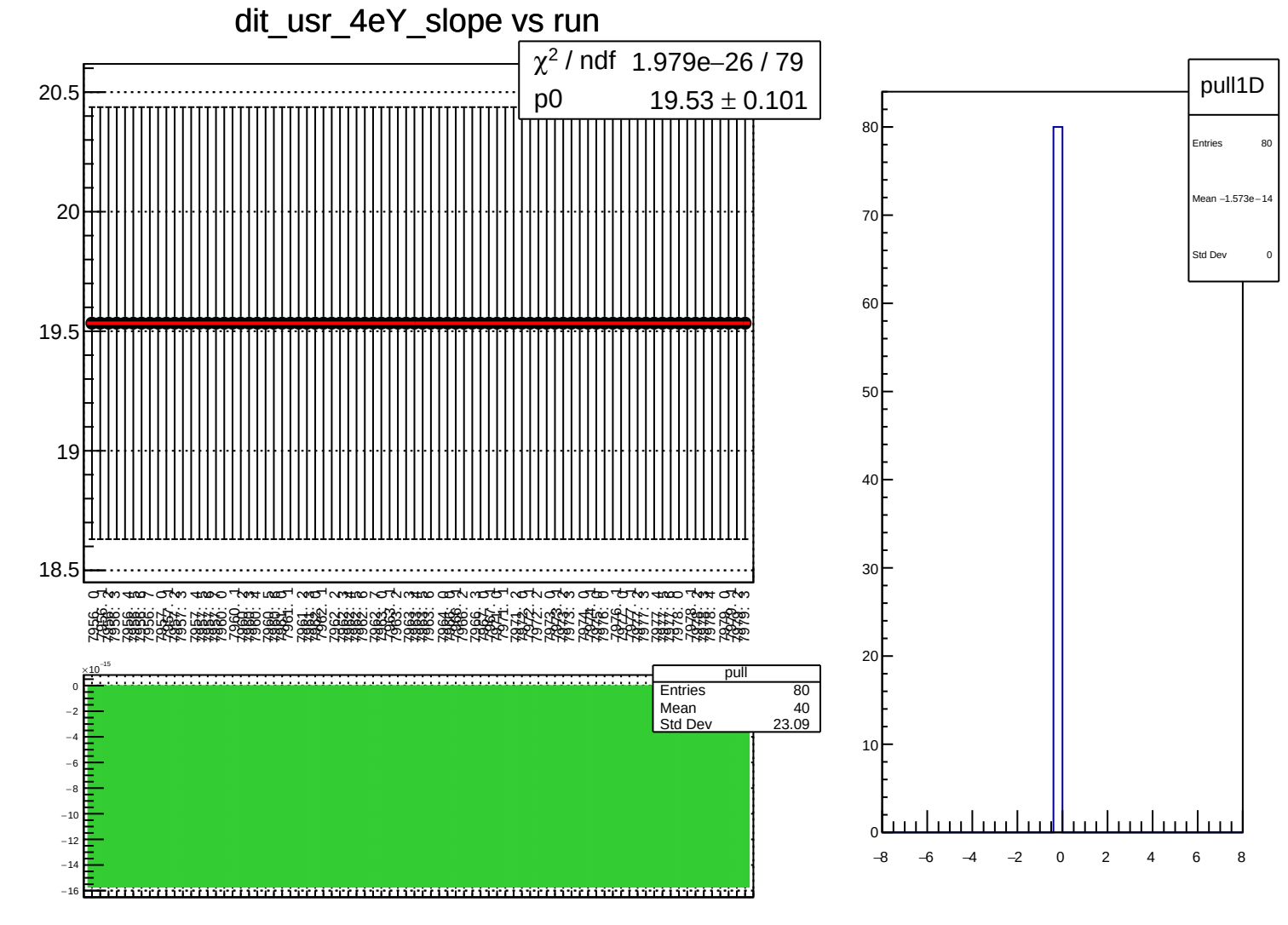

dit_usr_4aX_slope vs run
χ² / ndf 3.079e−25 / 79
p0 −125.5 ± 0.2561
−123
−124
−125
−126
−127
−128
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.204e−14
Std Dev2.541e−21

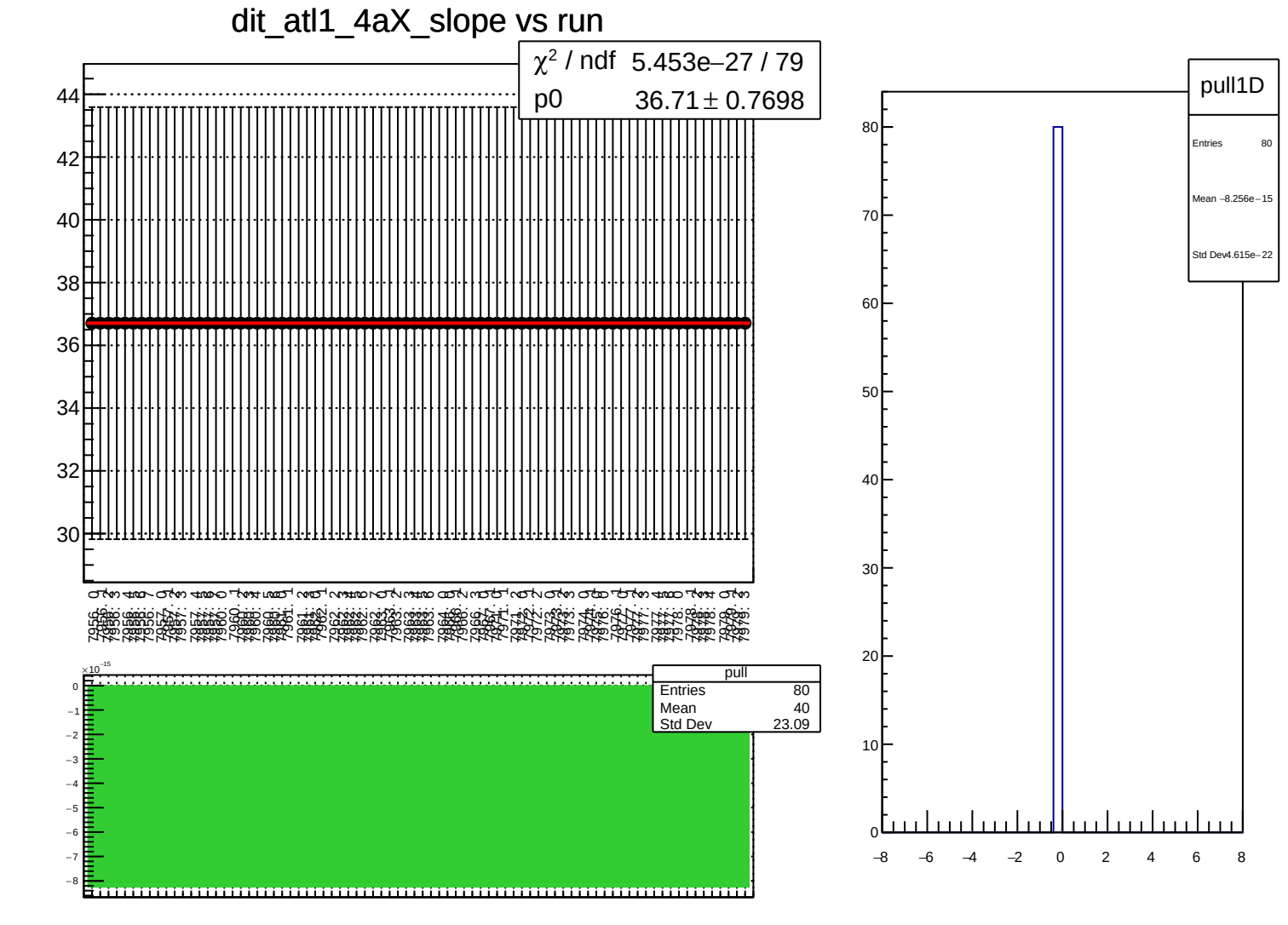

dit_usr_4eX_slope vs run
χ^2 / ndf 6.498e−24 / 79
p0 174.3 ± 0.1561
175.5
175
174.5
174
173.5
173
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 2.85e−13
Std Dev1.728e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

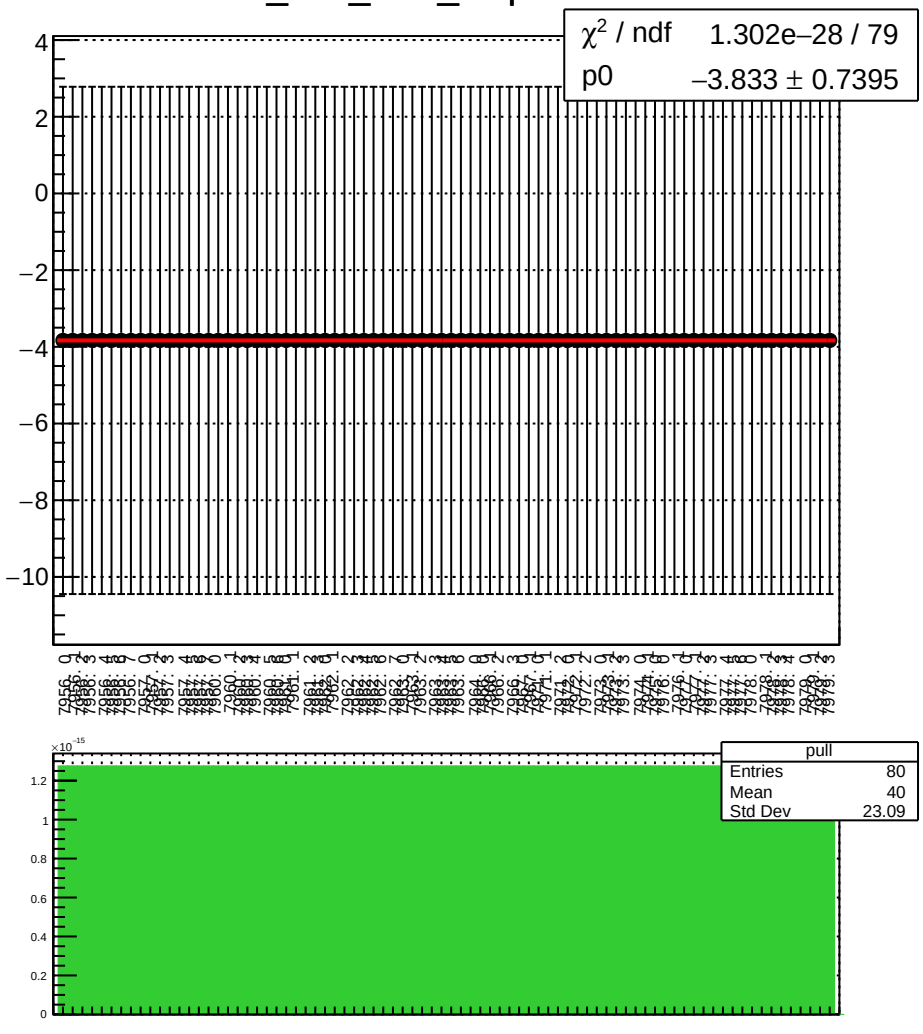

dit_usr_11X12X_slope vs run
χ² / ndf 1.686e−26 / 79
p0 −40.8 ± 0.05472
−40.4
−40.6
−40.8
−41
−41.2
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.452e−14
Std Dev 2.118e−22

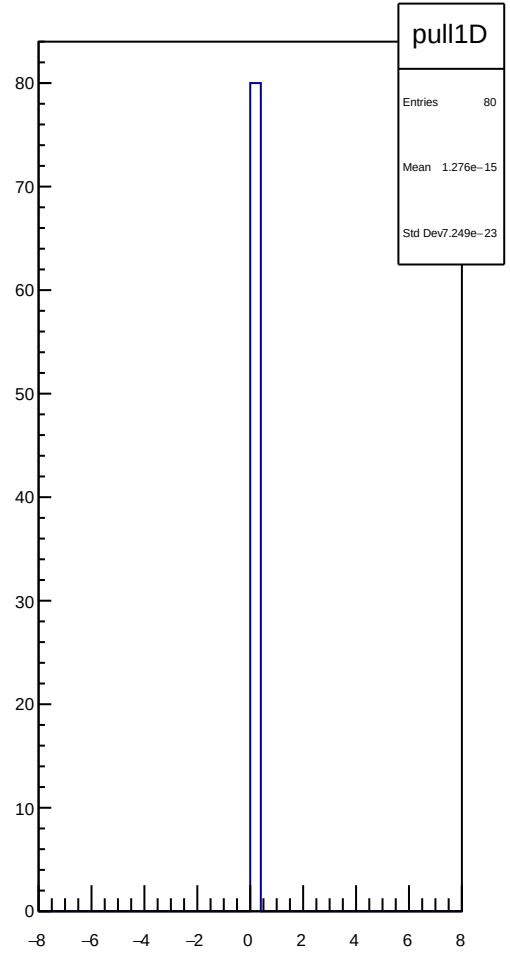

dit_usr_4aY_slope vs run
χ² / ndf 5.491e−29 / 79
p0 −3.476 ± 0.1199
−2.5
−3
−3.5
−4
−4.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

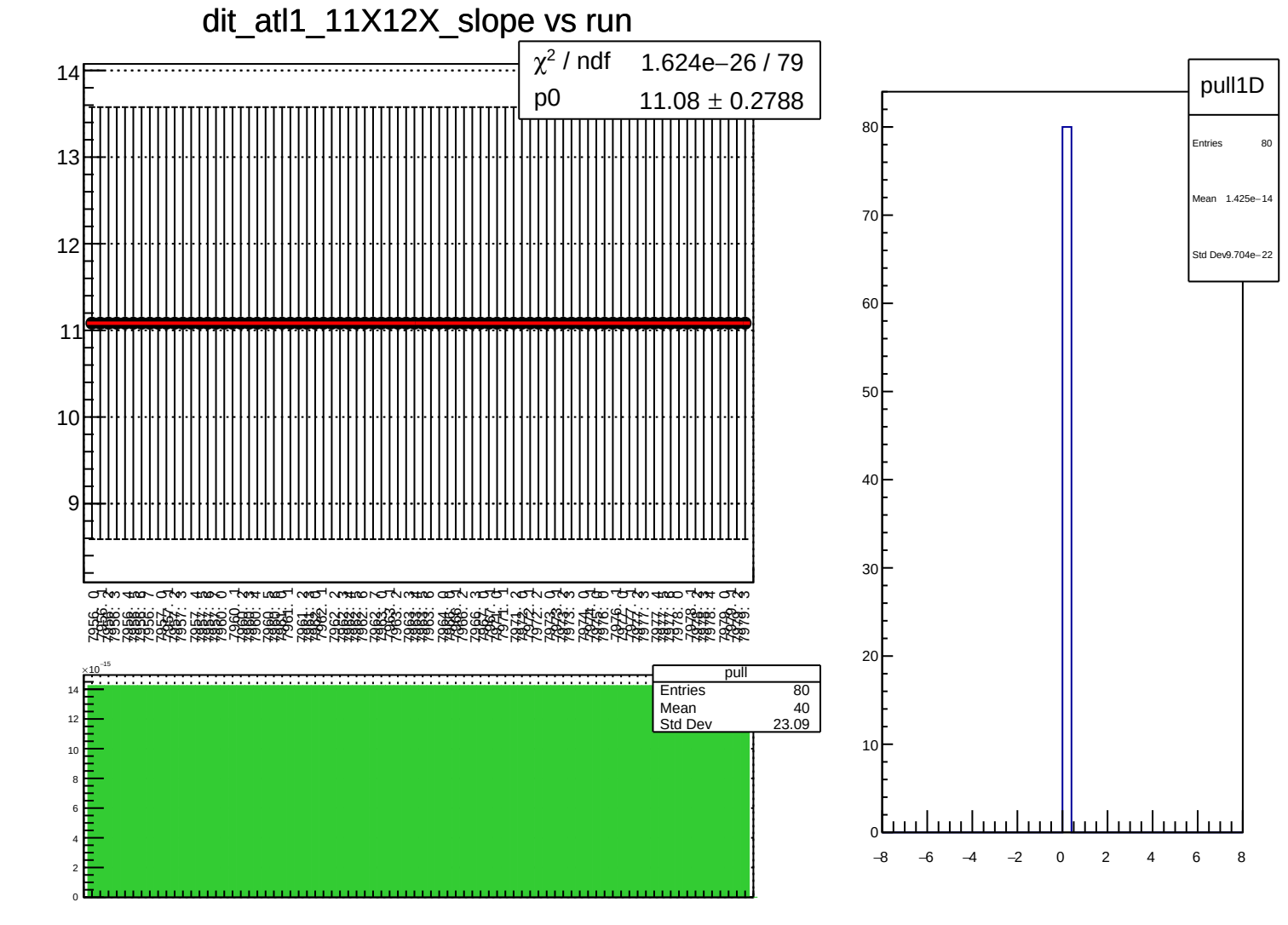

pull1D
Entries 80
Mean 8.285e−16
Std Dev 3.859e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

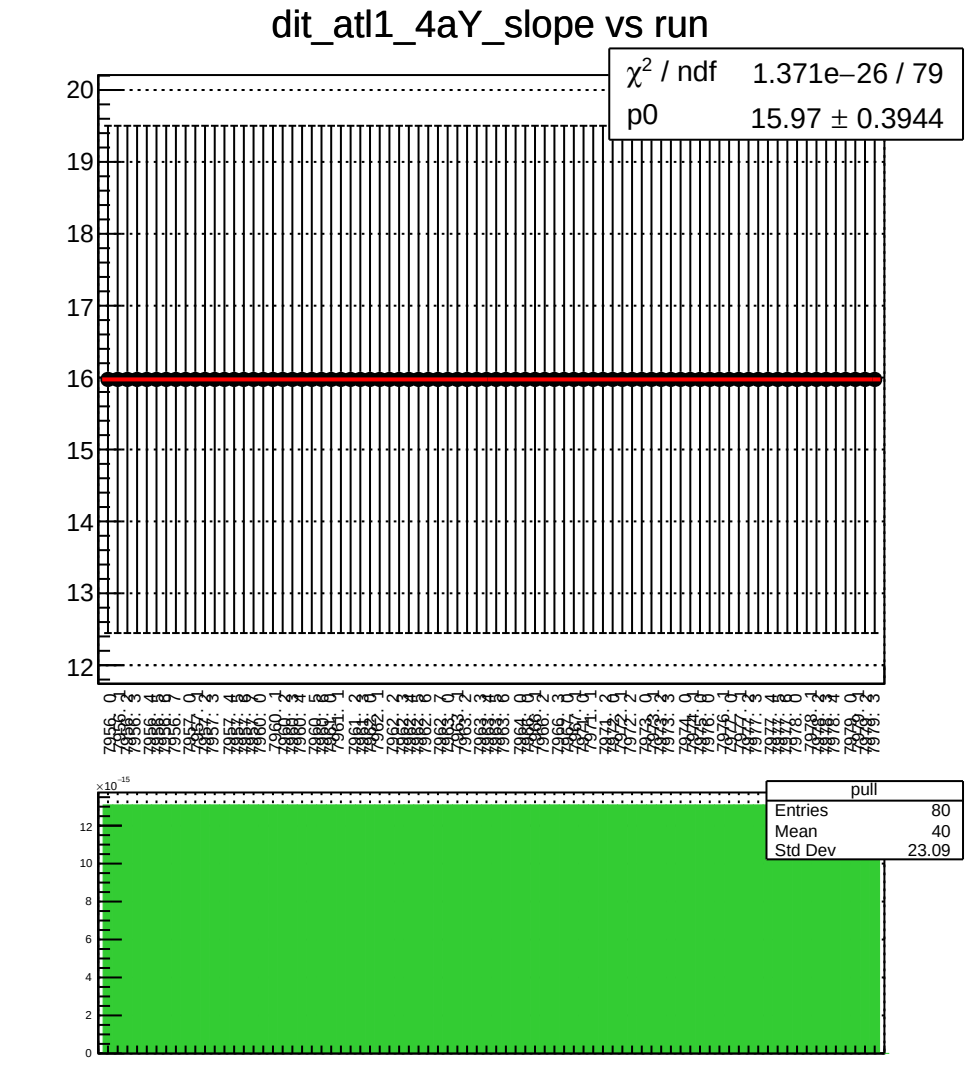

dit_usr_4eY_slope vs run
χ² / ndf 1.979e−26 / 79
p0 19.53 ± 0.101
20.5
20
19.5
19
18.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 80
Mean −1.573e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

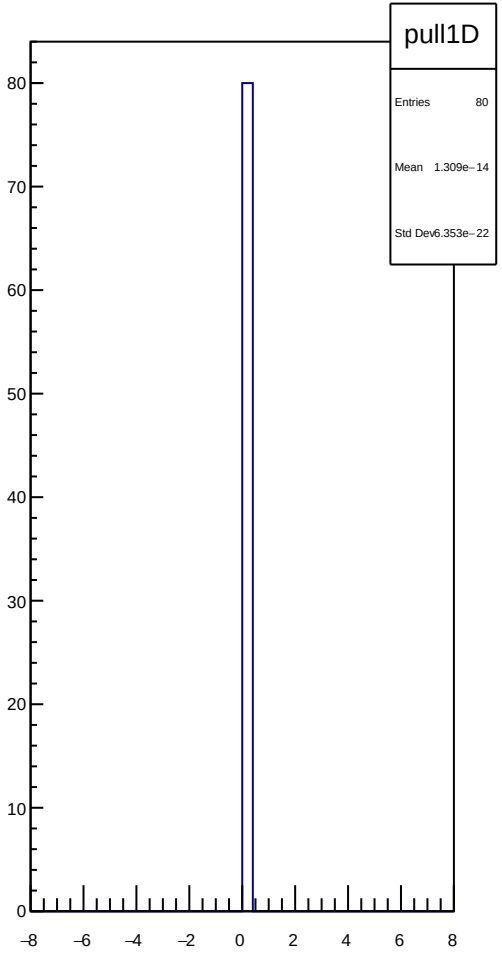

dit_atl1_4aX_slope vs run
χ² / ndf 5.453e−27 / 79
p0 36.71 ± 0.7698
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −8.256e−15
Std Dev4.615e−22

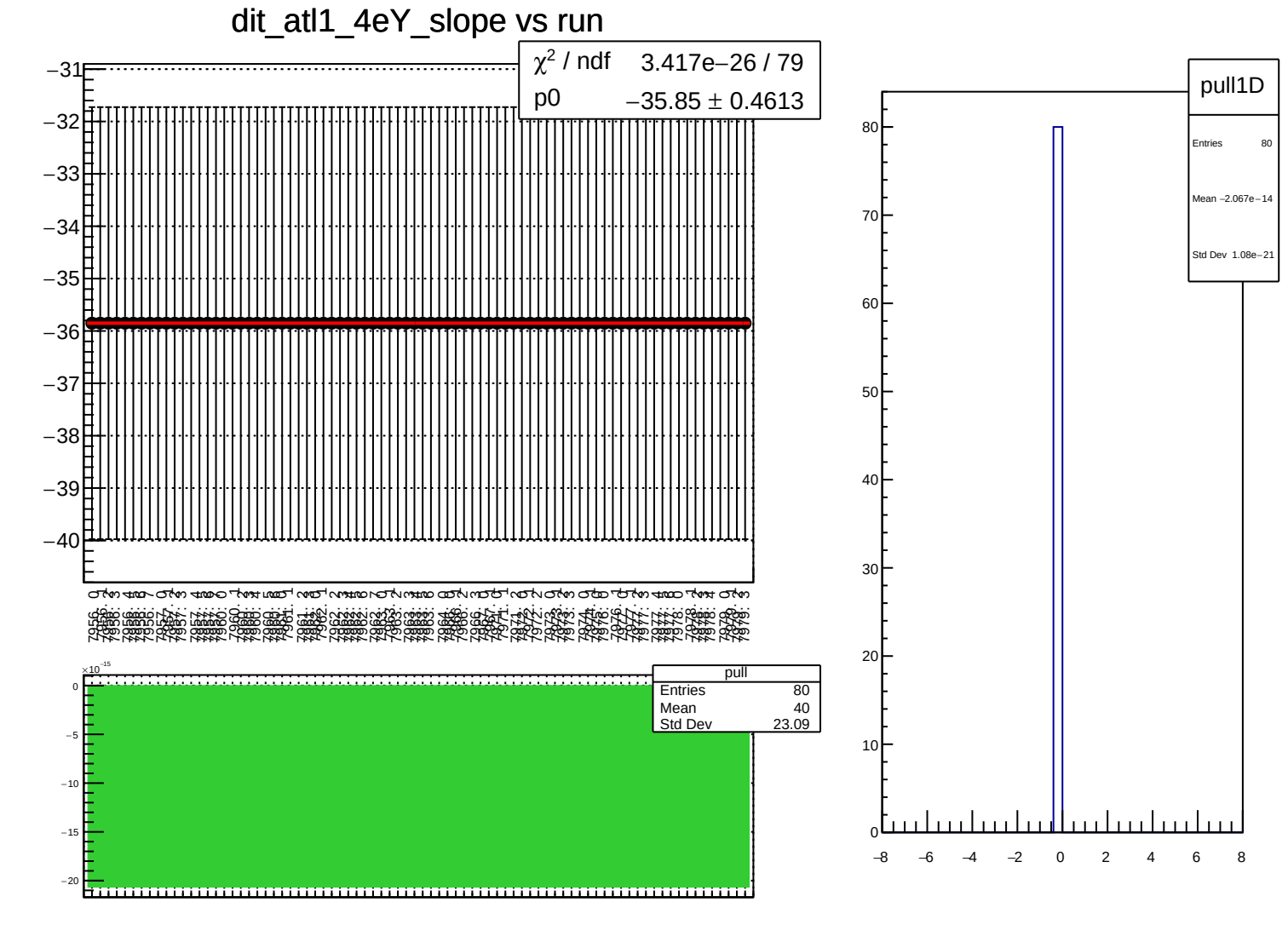

dit_atl1_4eX_slope vs run
χ² / ndf 1.302e−28 / 79
p0 −3.833 ± 0.7395
pull
Entries 80
Mean 40
Std Dev 23.09

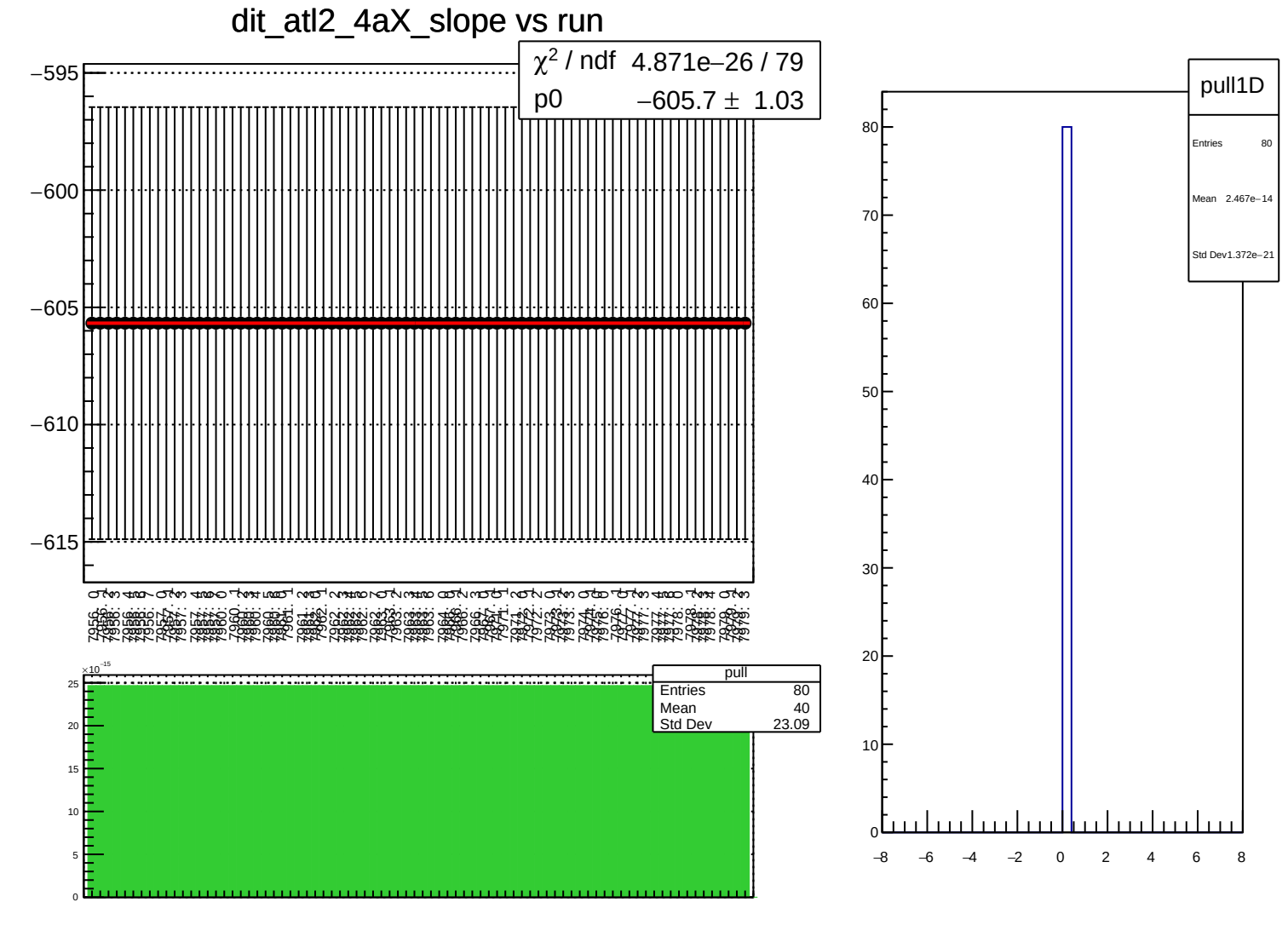

pull1D
Entries 80
Mean 1.276e−15
Std Dev7.249e−23

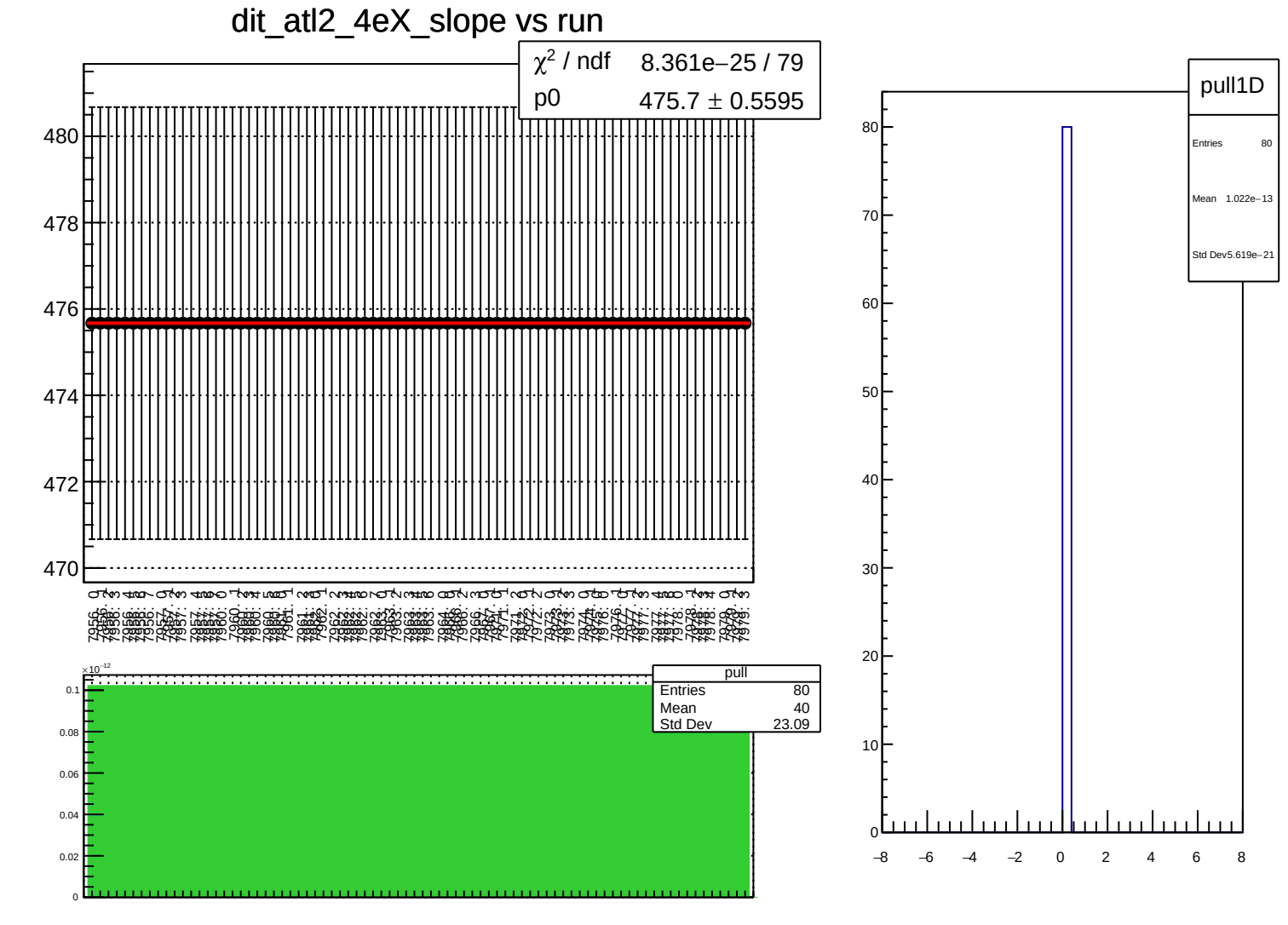

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.624e−26 / 79
p0 11.08 ± 0.2788
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.425e−14
Std Dev 9.704e−22

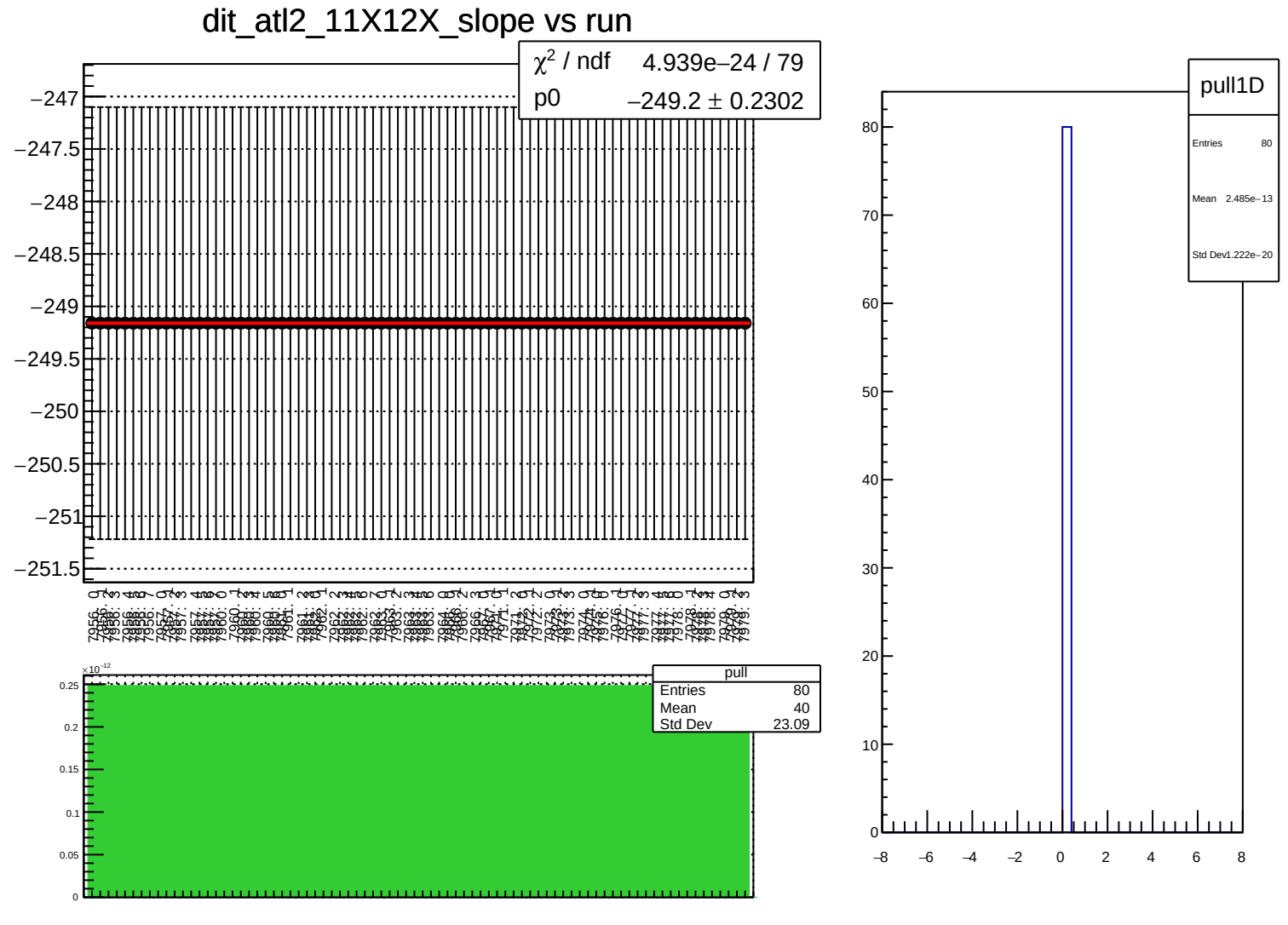

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.371e−26 / 79
p0 15.97 ± 0.3944
pull
Entries 80
Mean 40
Std Dev 23.09

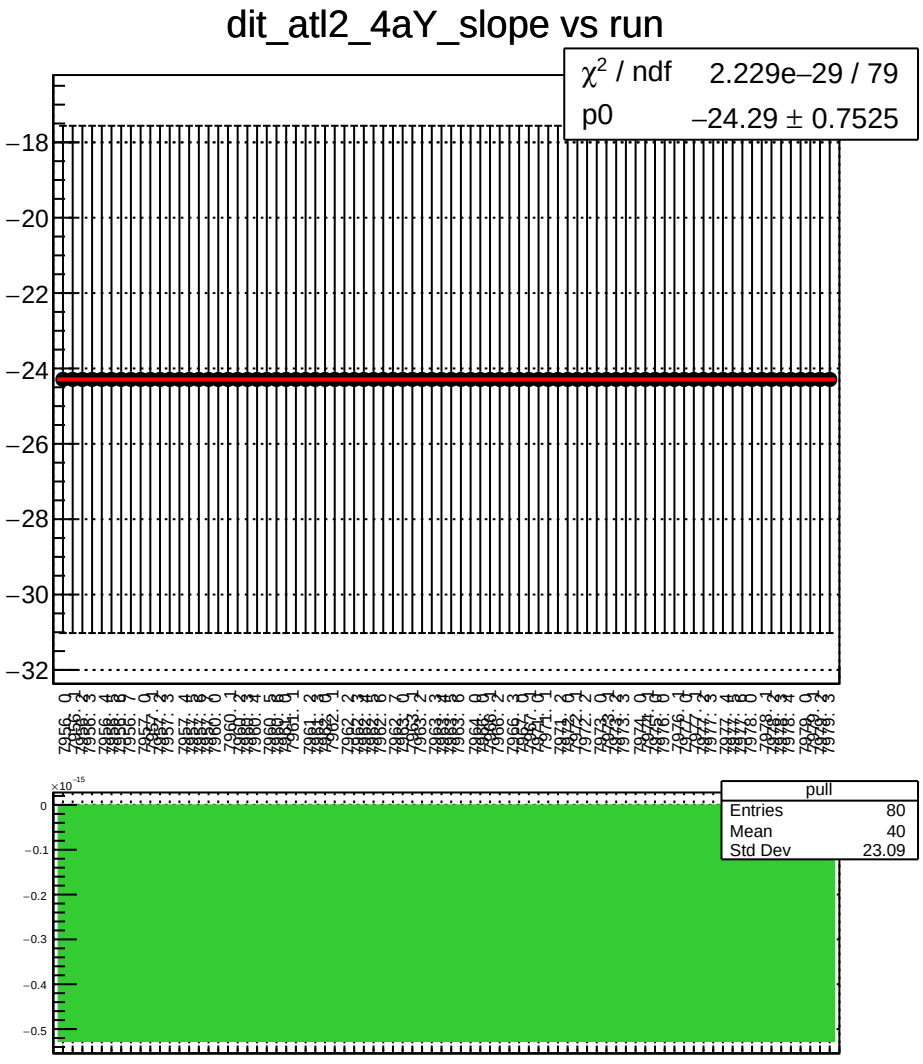

pull1D
Entries 80
Mean 1.309e−14
Std Dev 6.353e−22

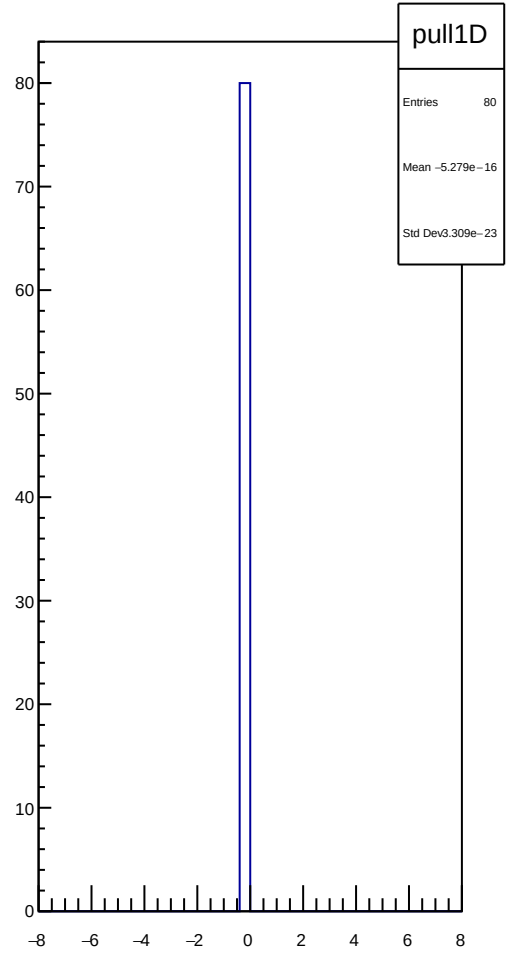

dit_atl1_4eY_slope vs run
χ² / ndf 3.417e−26 / 79
p0 −35.85 ± 0.4613
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.067e−14
Std Dev 1.08e−21

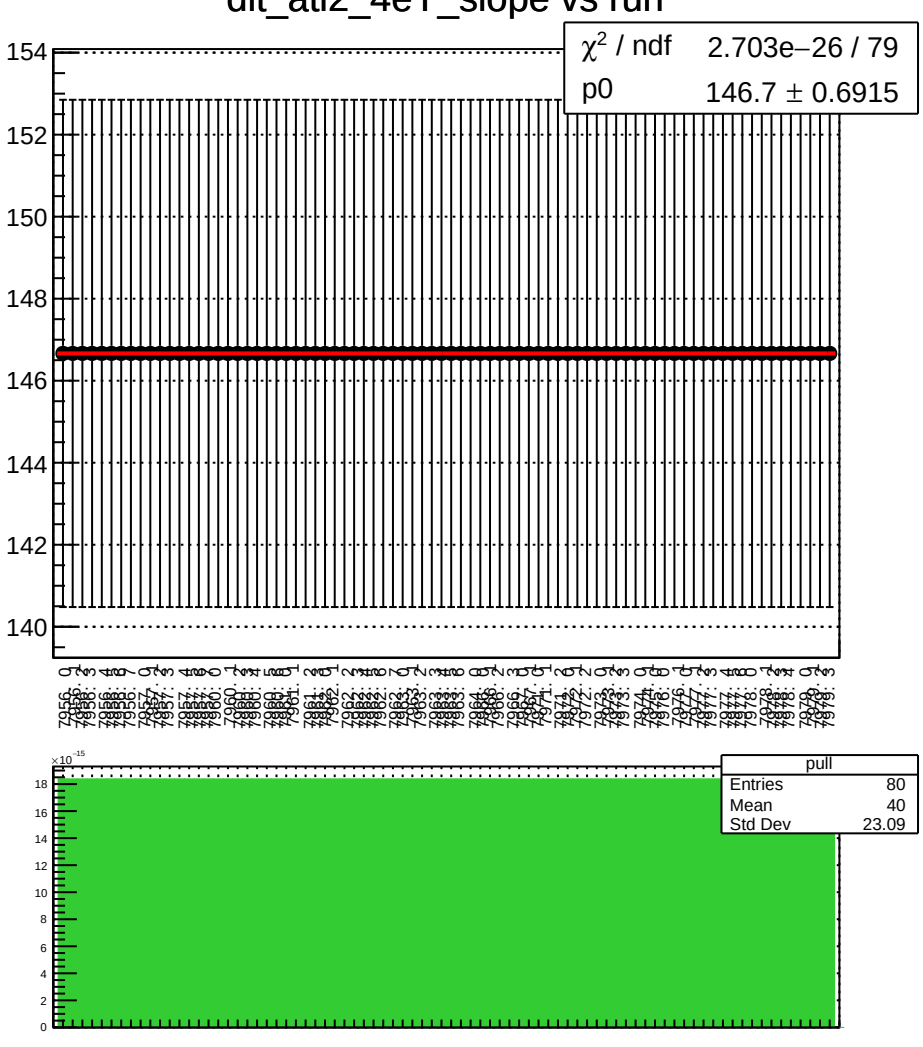

dit_atl2_4aX_slope vs run
χ² / ndf 4.871e−26 / 79
p0 −605.7 ± 1.03
−595
−600
−605
−610
−615
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 80
Mean 2.467e−14
Std Dev1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

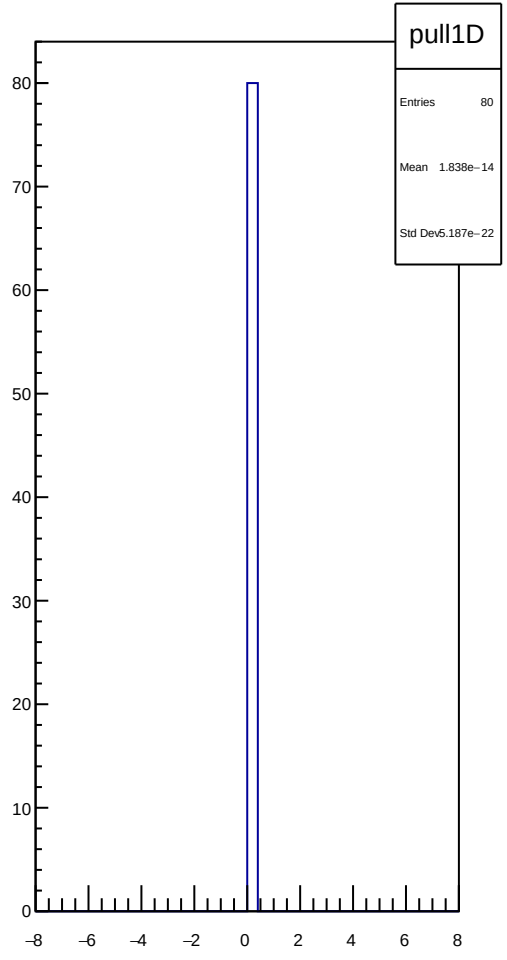

dit_atl2_4eX_slope vs run
χ² / ndf 8.361e−25 / 79
p0 475.7 ± 0.5595
480
478
476
474
472
470
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.022e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

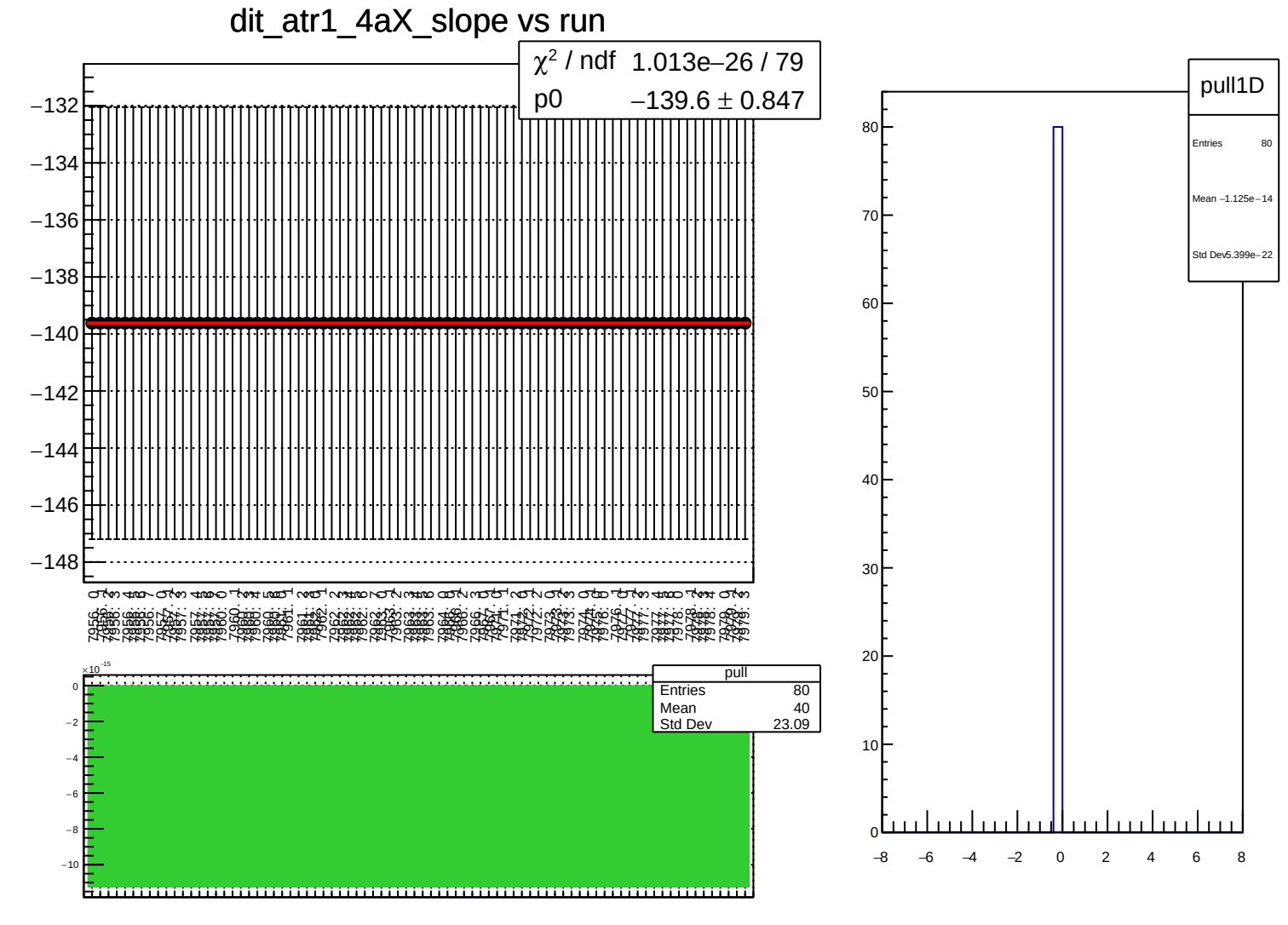

dit_atl2_11X12X_slope vs run
χ² / ndf 4.939e−24 / 79
p0 −249.2 ± 0.2302
−247
−247.5
−248
−248.5
−249
−249.5
−250
−250.5
−251
−251.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 2.485e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

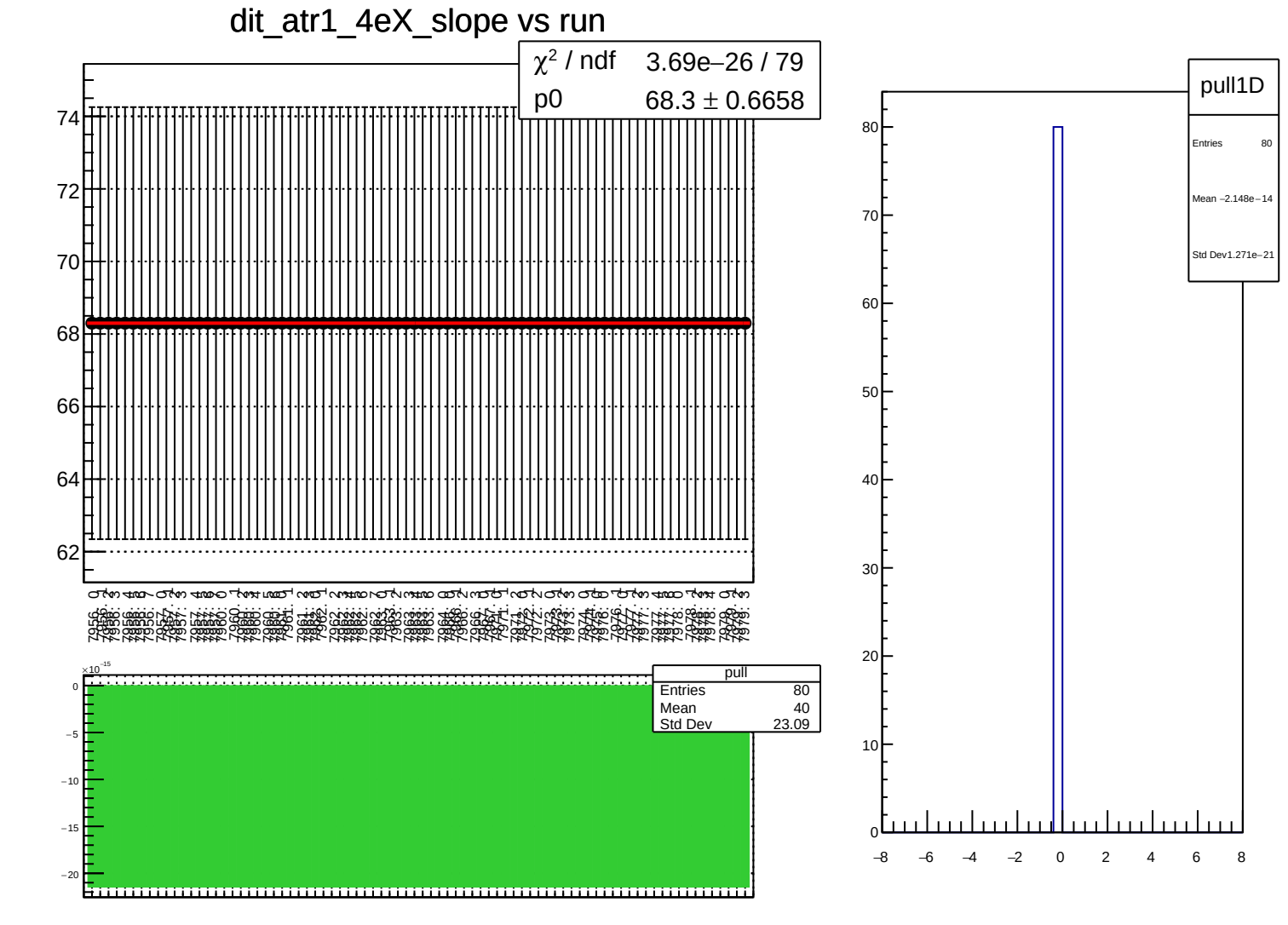

dit_atl2_4aY_slope vs run
χ² / ndf 2.229e−29 / 79
p0 −24.29 ± 0.7525
pull
Entries 80
Mean 40
Std Dev 23.09

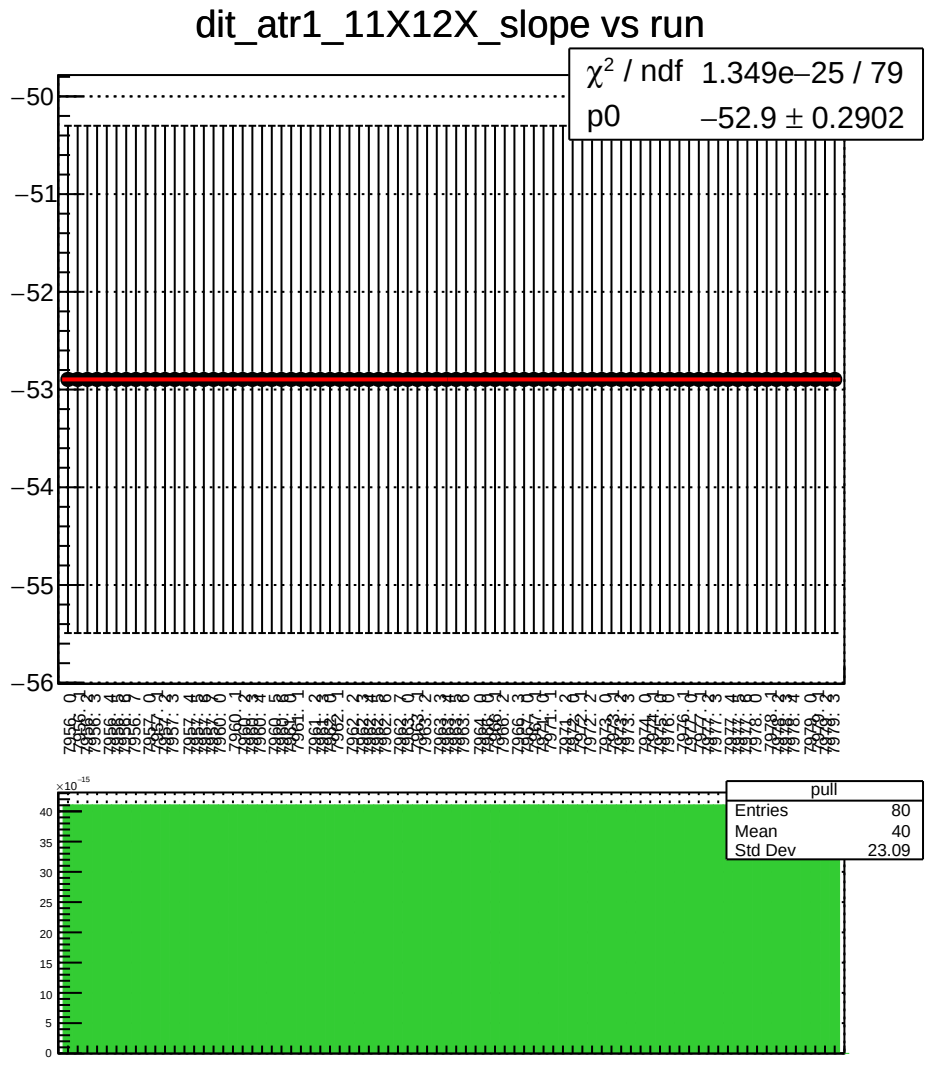

pull1D
Entries 80
Mean −5.279e−16
Std Dev3.309e−23

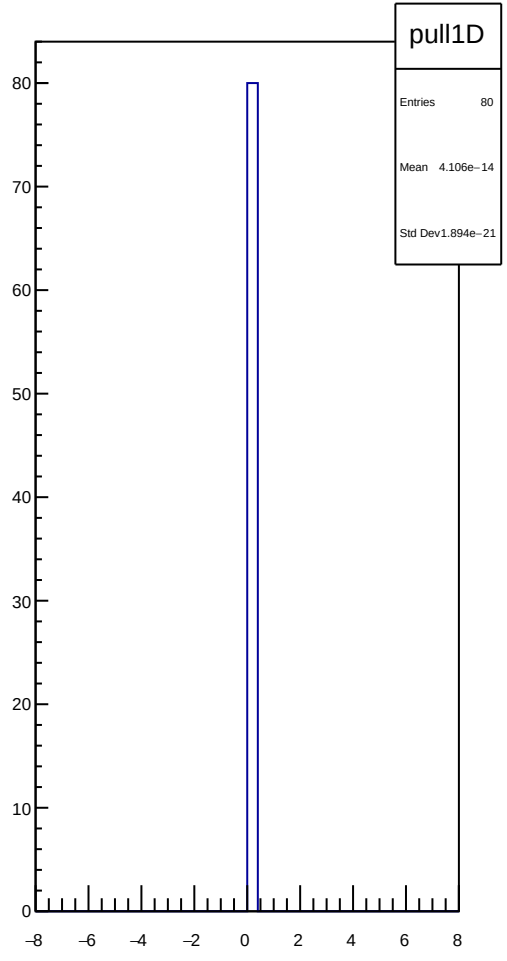

dit_atl2_4eY_slope vs run
χ^2 / ndf 2.703e−26 / 79
p0 146.7 ± 0.6915
pull
Entries 80
Mean 40
Std Dev 23.09

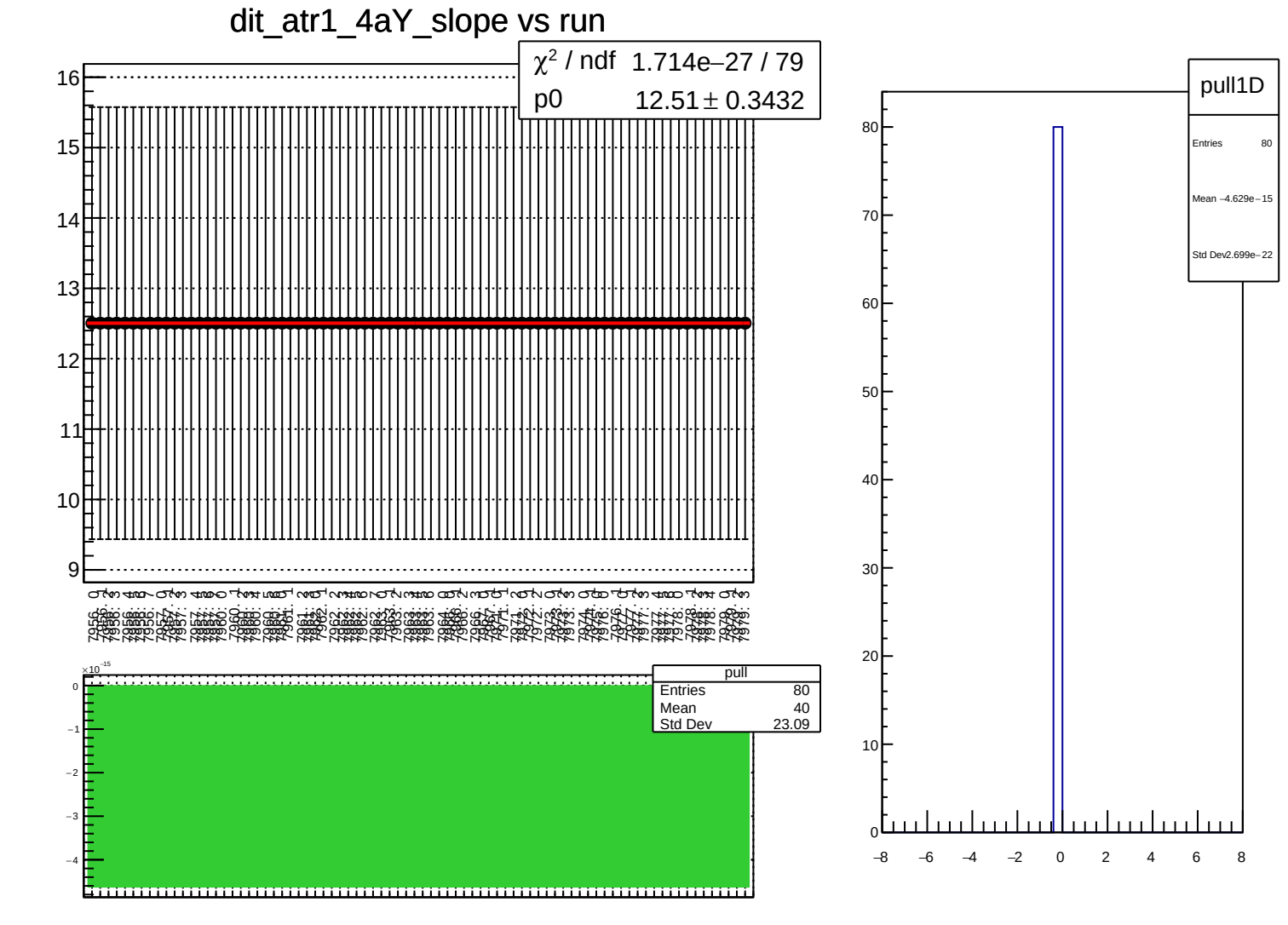

pull1D
Entries 80
Mean 1.838e−14
Std Dev5.187e−22

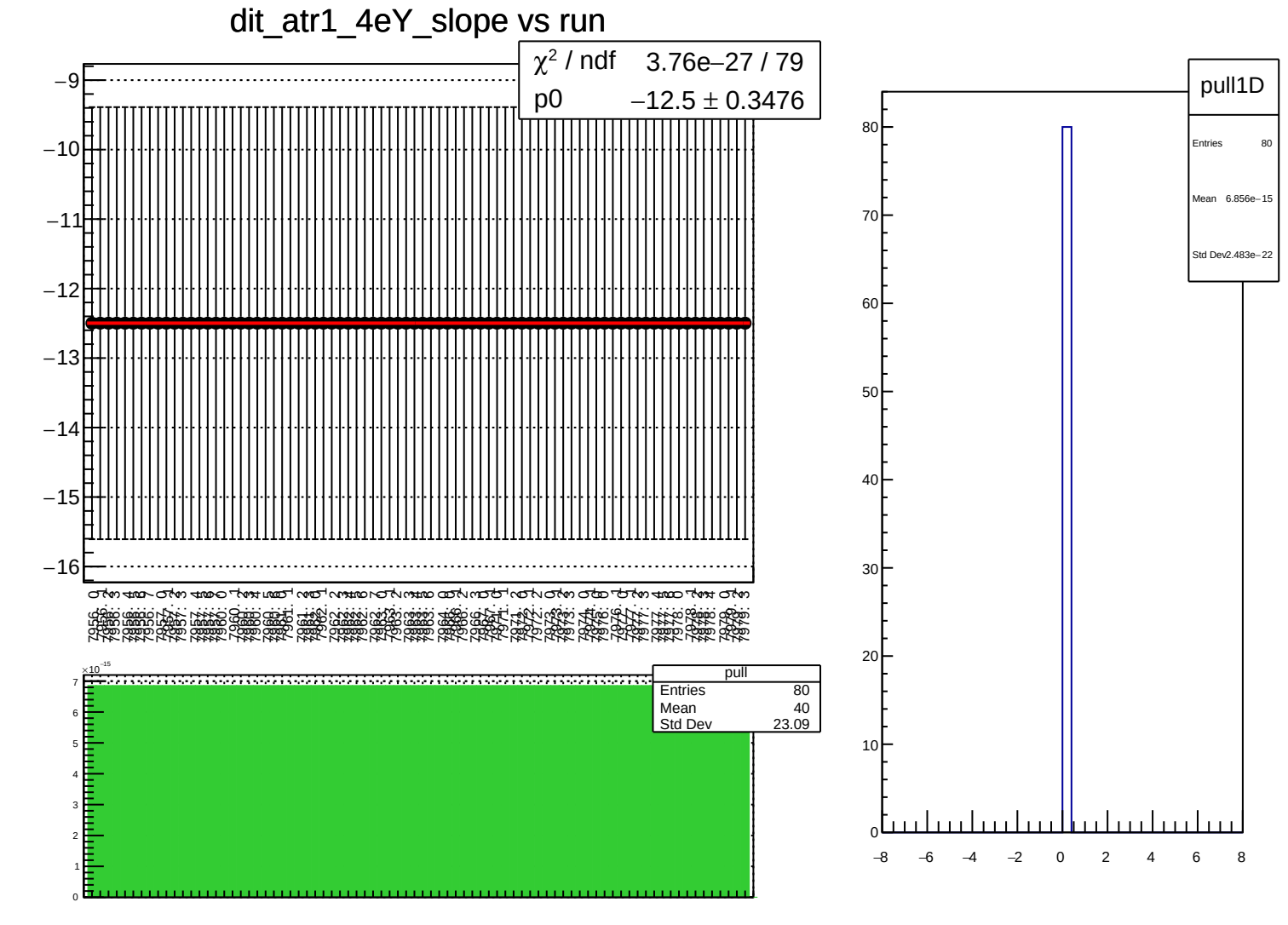

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.013e−26 / 79
p0 −139.6 ± 0.847
−132
−134
−136
−138
−140
−142
−144
−146
−148
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−2
−4
−6
−8
−10
pull1D
Entries 80
Mean −1.125e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

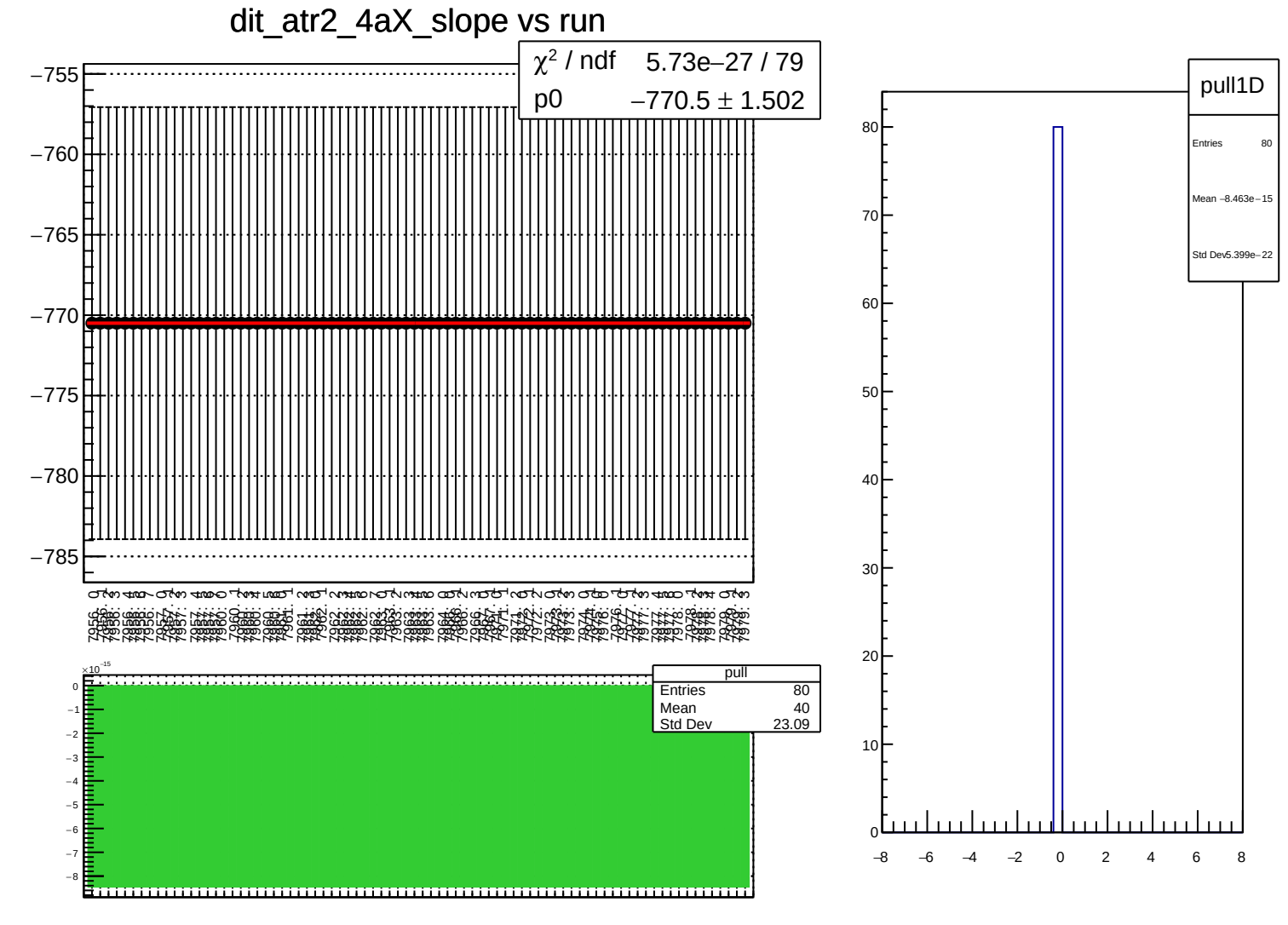

dit_atr1_4eX_slope vs run
χ^2 / ndf 3.69e−26 / 79
p0 68.3 ± 0.6658
74
72
70
68
66
64
62
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 80
Mean −2.148e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

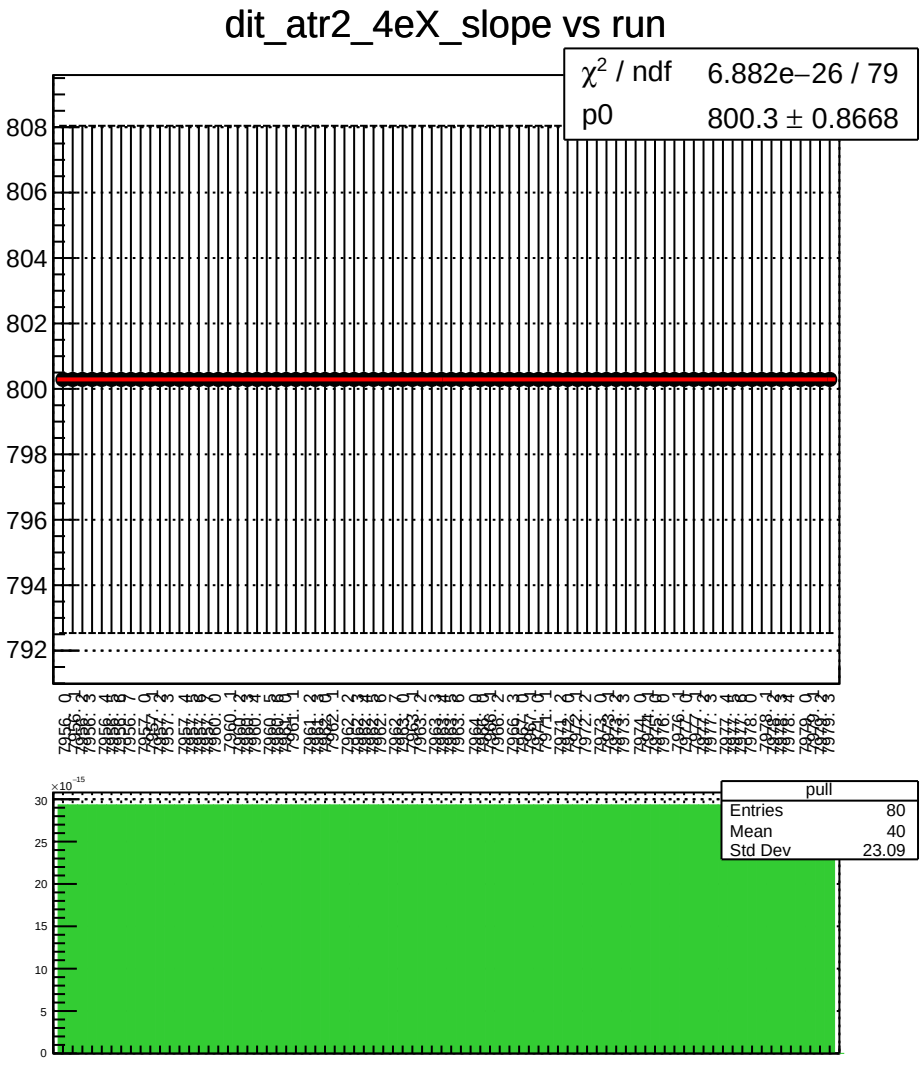

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.349e−25 / 79
p0 −52.9 ± 0.2902
−50
−51
−52
−53
−54
−55
−56
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

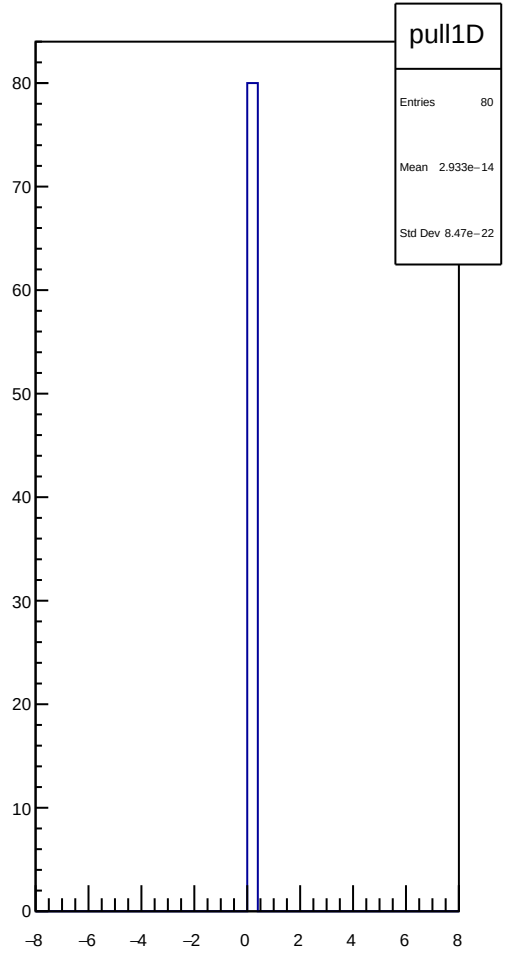

pull1D
Entries 80
Mean 4.106e−14
Std Dev1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

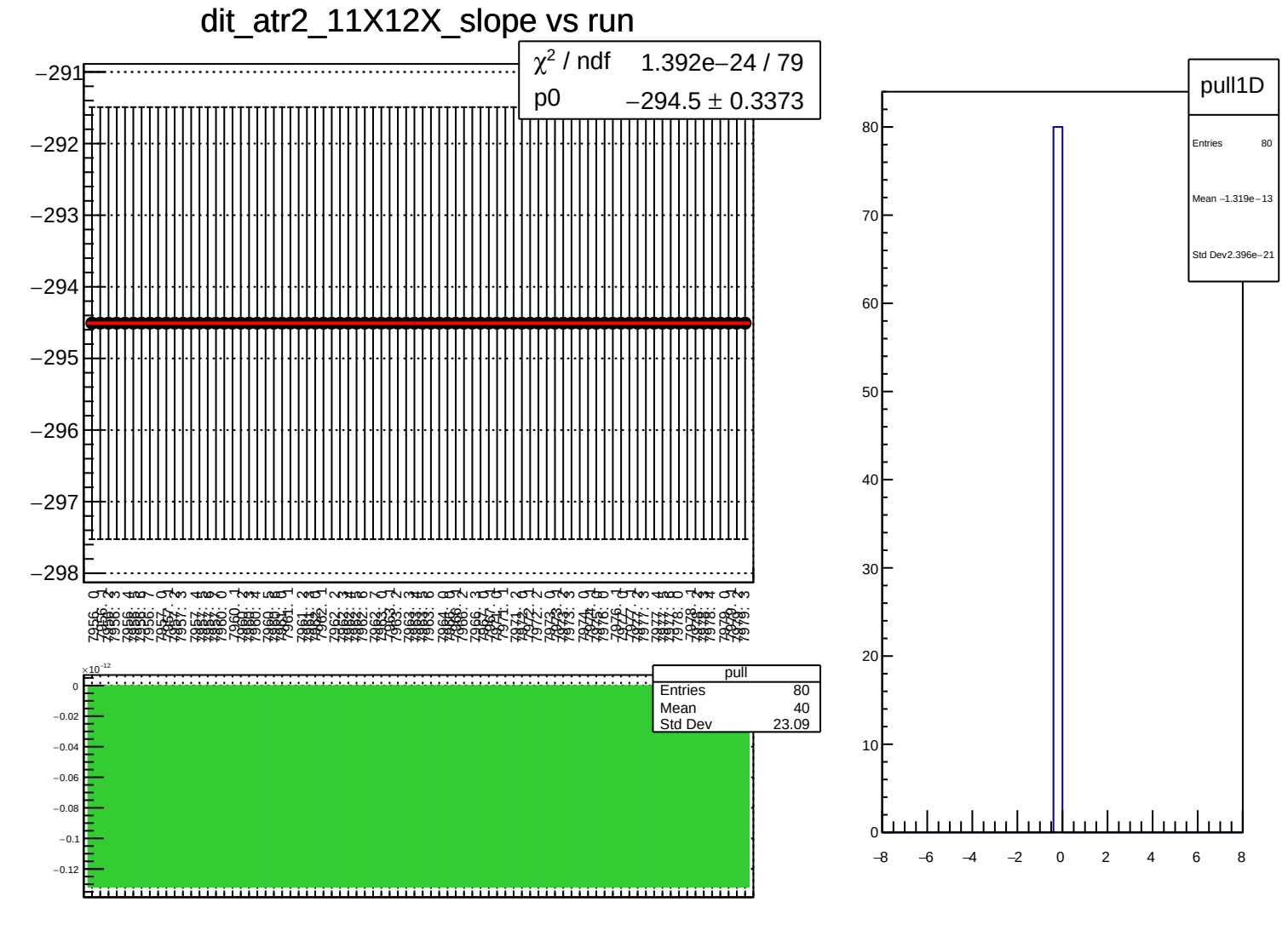

dit_atr1_4aY_slope vs run
χ² / ndf 1.714e−27 / 79
p0 12.51 ± 0.3432
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −4.629e−15
Std Dev 2.699e−22

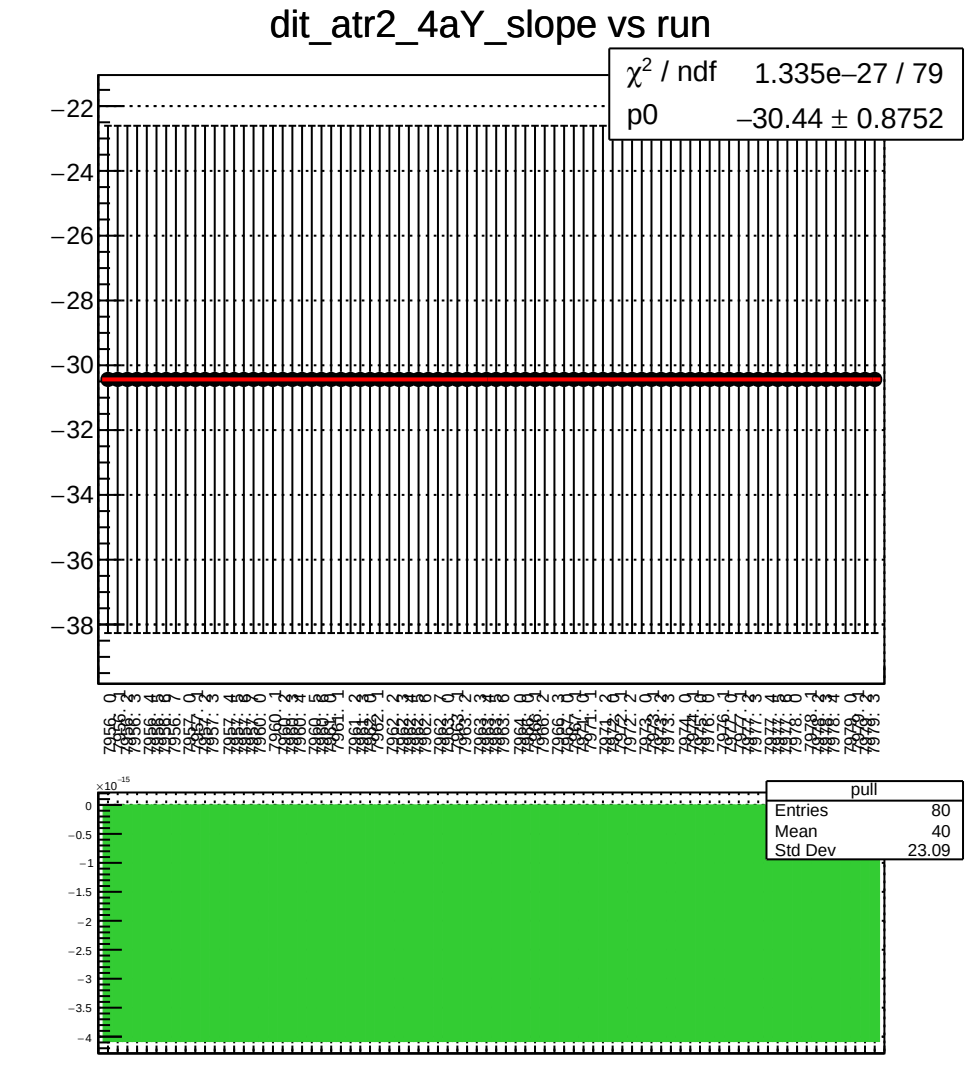

dit_atr1_4eY_slope vs run
χ² / ndf 3.76e−27 / 79
p0 −12.5 ± 0.3476
−9
−10
−11
−12
−13
−14
−15
−16
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.856e−15
Std Dev2.483e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

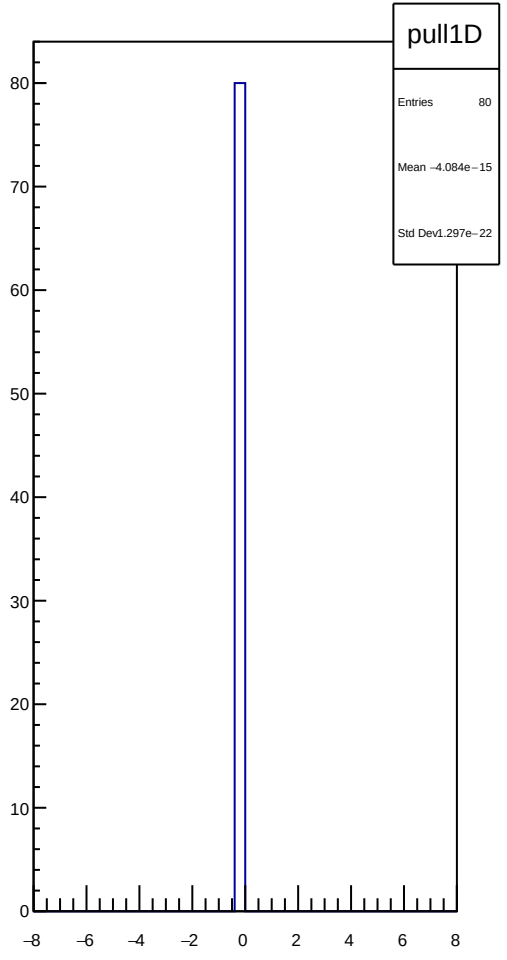

dit_atr2_4aX_slope vs run
χ² / ndf 5.73e−27 / 79
p0 −770.5 ± 1.502
−755
−760
−765
−770
−775
−780
−785
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean −8.463e−15
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

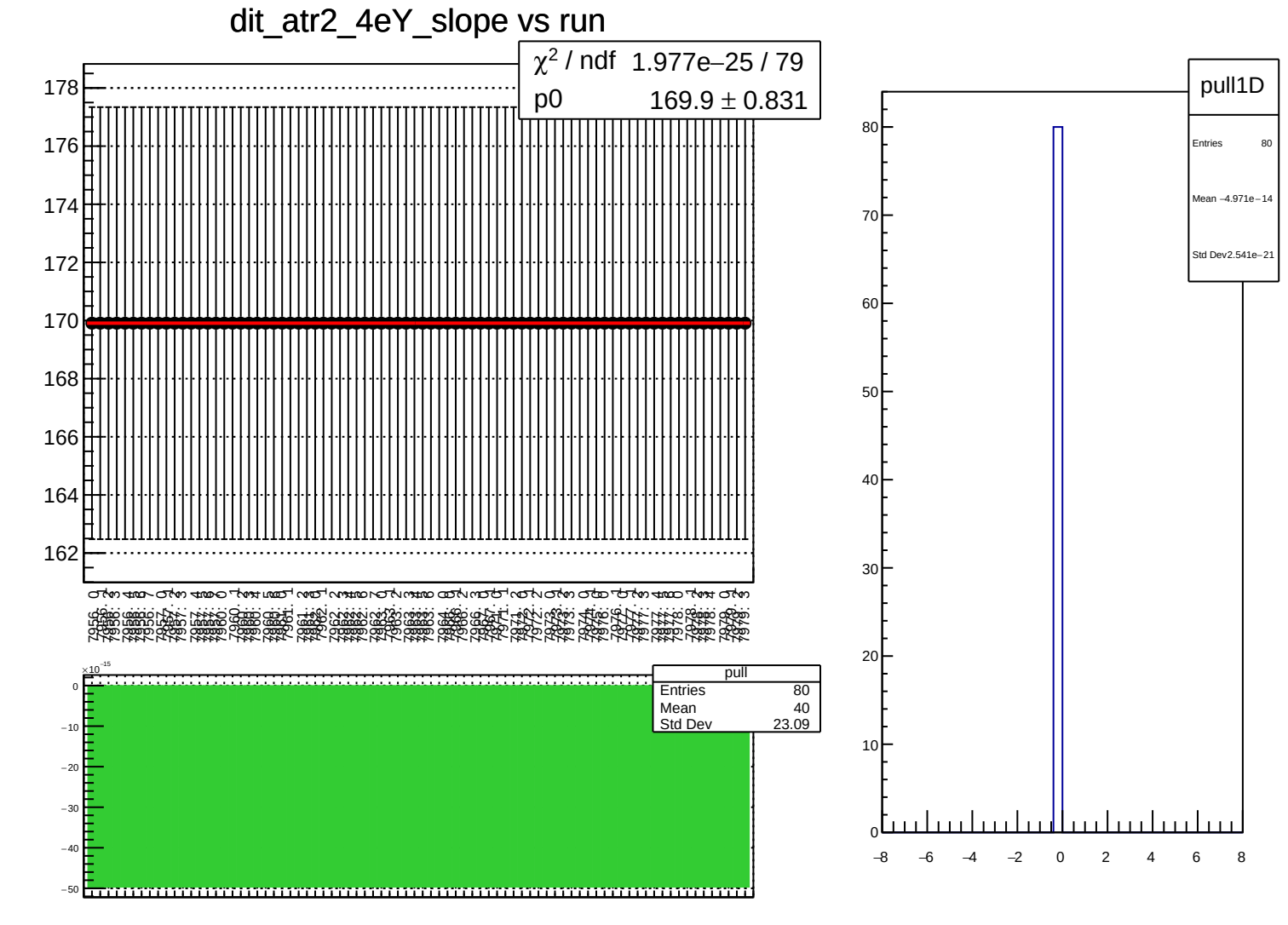

dit_atr2_4eX_slope vs run
χ² / ndf 6.882e−26 / 79
p0 800.3 ± 0.8668
808
806
804
802
800
798
796
794
792
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
30
25
20
15
10
5
0

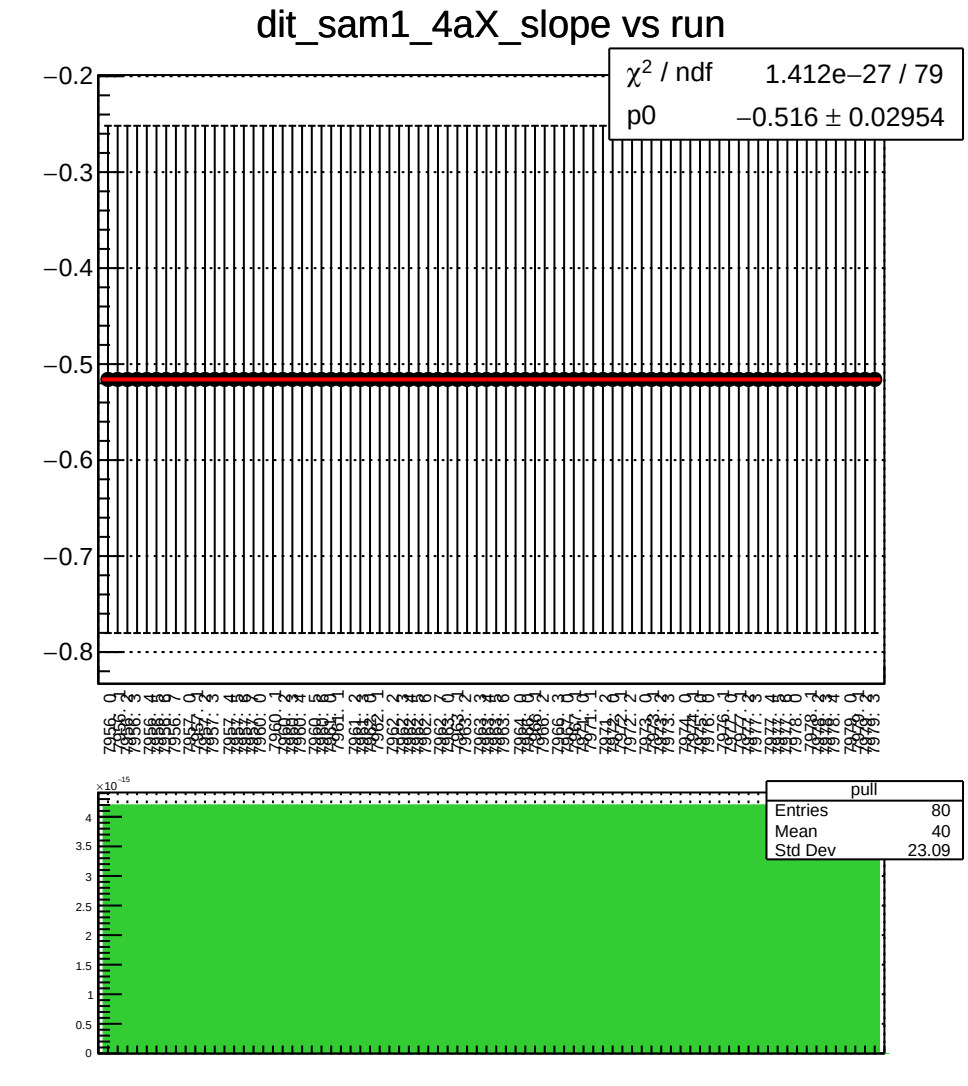

pull1D
Entries 80
Mean 2.933e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

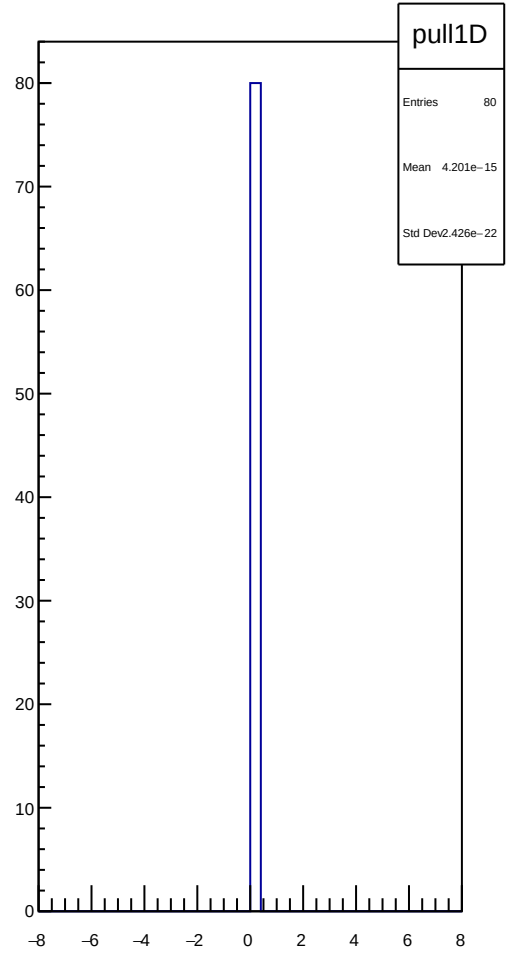

dit_atr2_11X12X_slope vs run
χ² / ndf 1.392e−24 / 79
p0 −294.5 ± 0.3373
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.319e−13
Std Dev2.396e−21

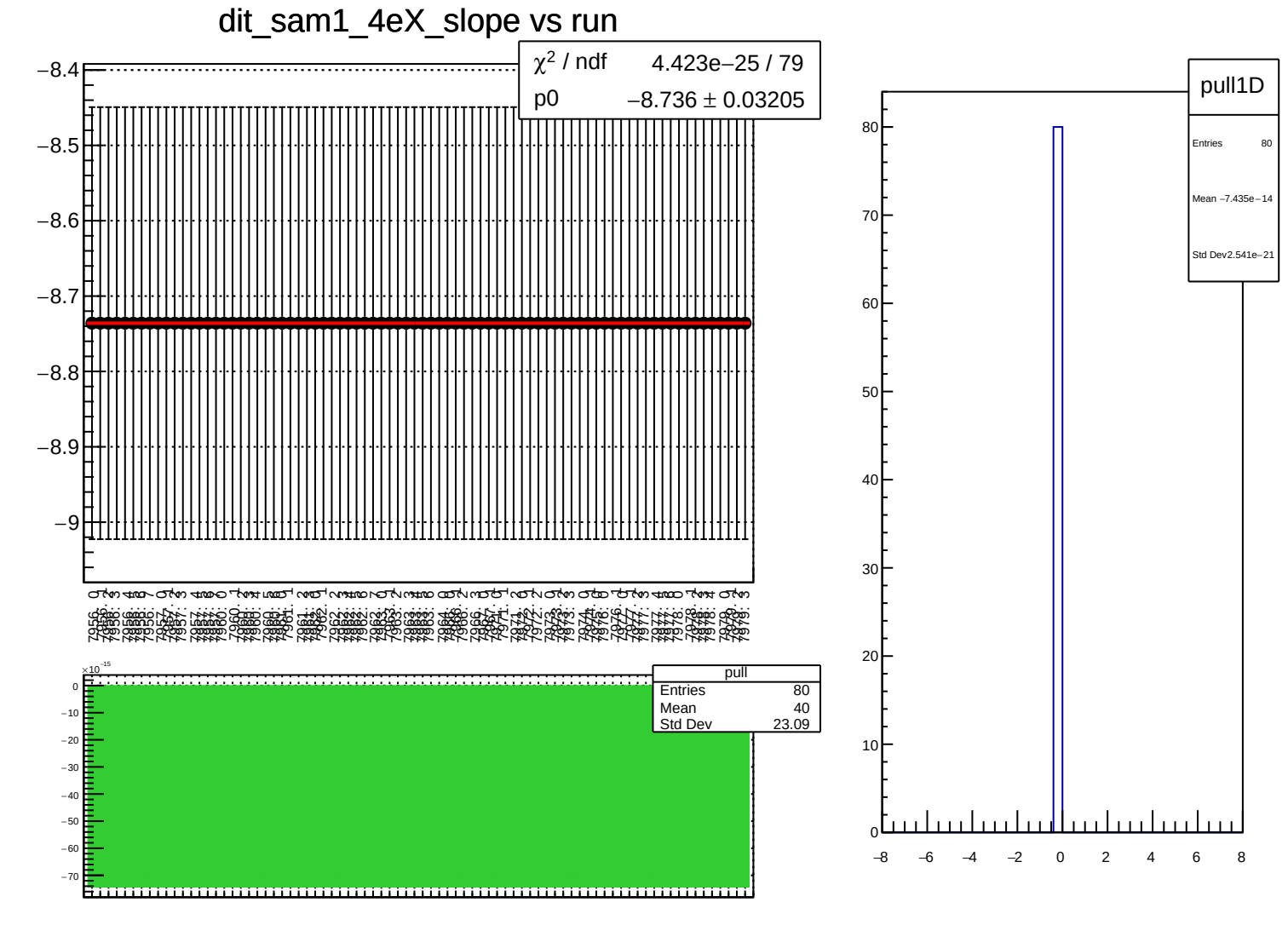

dit_atr2_4aY_slope vs run
χ² / ndf 1.335e−27 / 79
p0 −30.44 ± 0.8752
pull
Entries 80
Mean 40
Std Dev 23.09

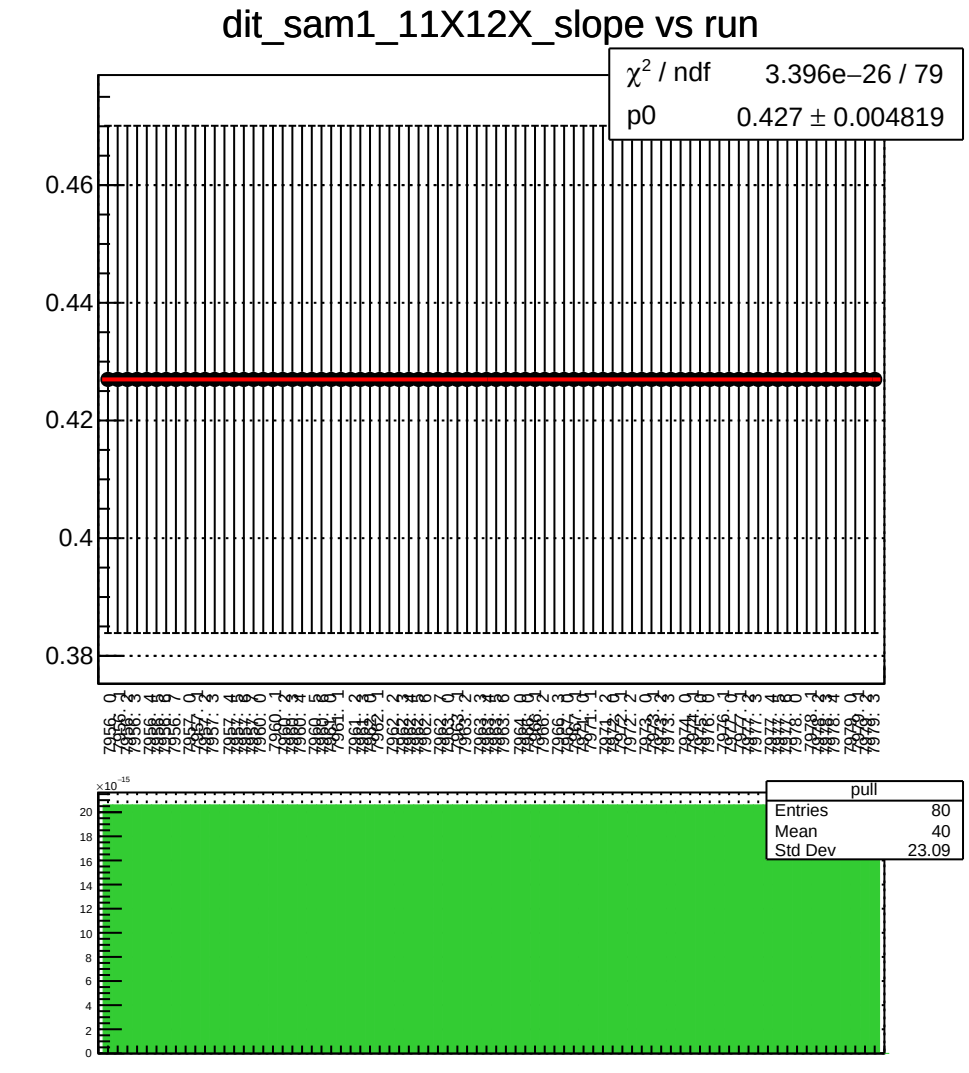

pull1D
Entries 80
Mean −4.084e−15
Std Dev 1.297e−22

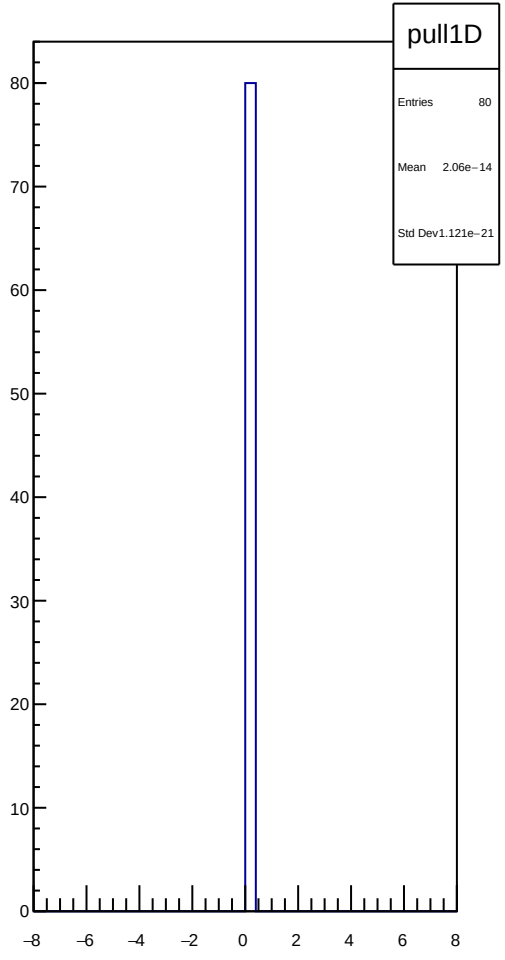

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.977e−25 / 79
p0 169.9 ± 0.831
178
176
174
172
170
168
166
164
162
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
0
−10
−20
−30
−40
−50
pull1D
Entries 80
Mean −4.971e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

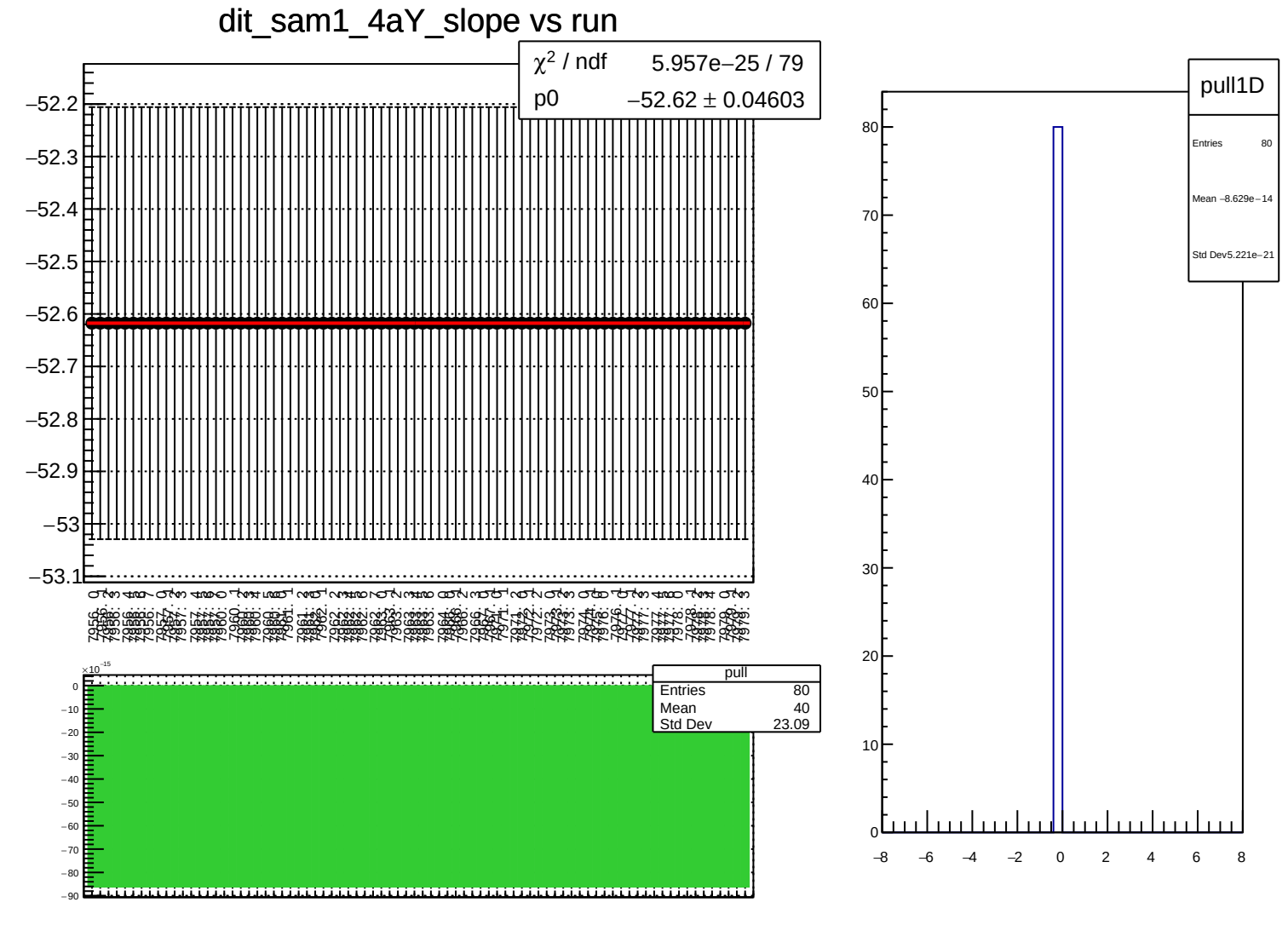

dit_sam1_4aX_slope vs run
χ² / ndf 1.412e−27 / 79
p0 −0.516 ± 0.02954
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

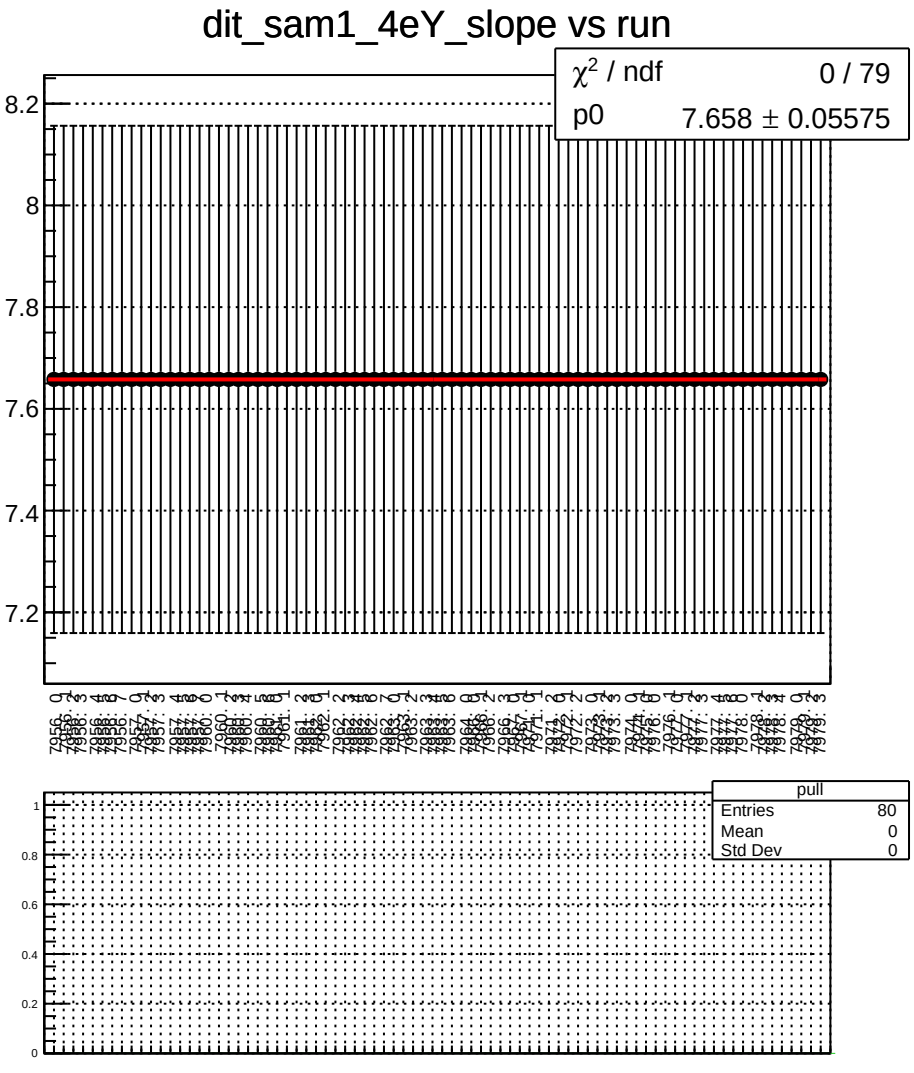

pull1D
Entries 80
Mean 4.201e−15
Std Dev2.426e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

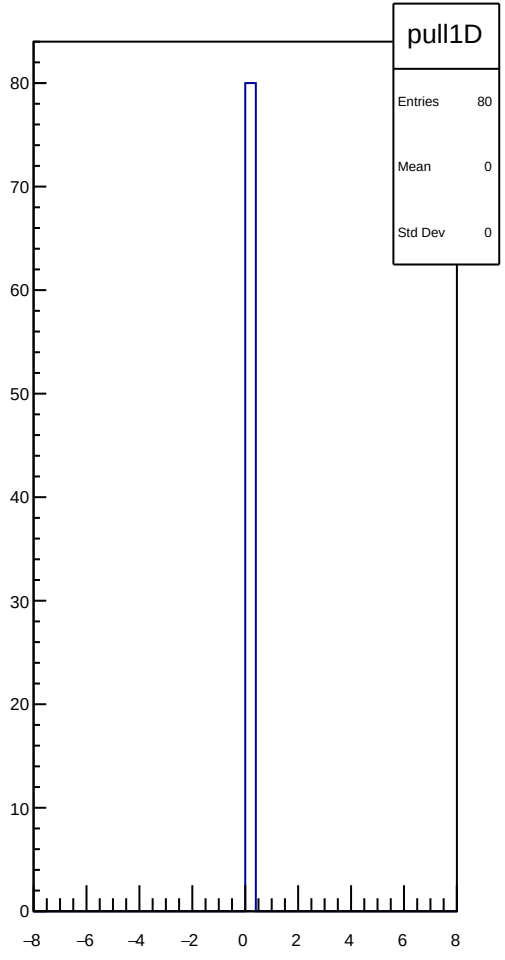

dit_sam1_4eX_slope vs run
χ² / ndf 4.423e−25 / 79
p0 −8.736 ± 0.03205
−8.4
−8.5
−8.6
−8.7
−8.8
−8.9
−9
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 80
Mean −7.435e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

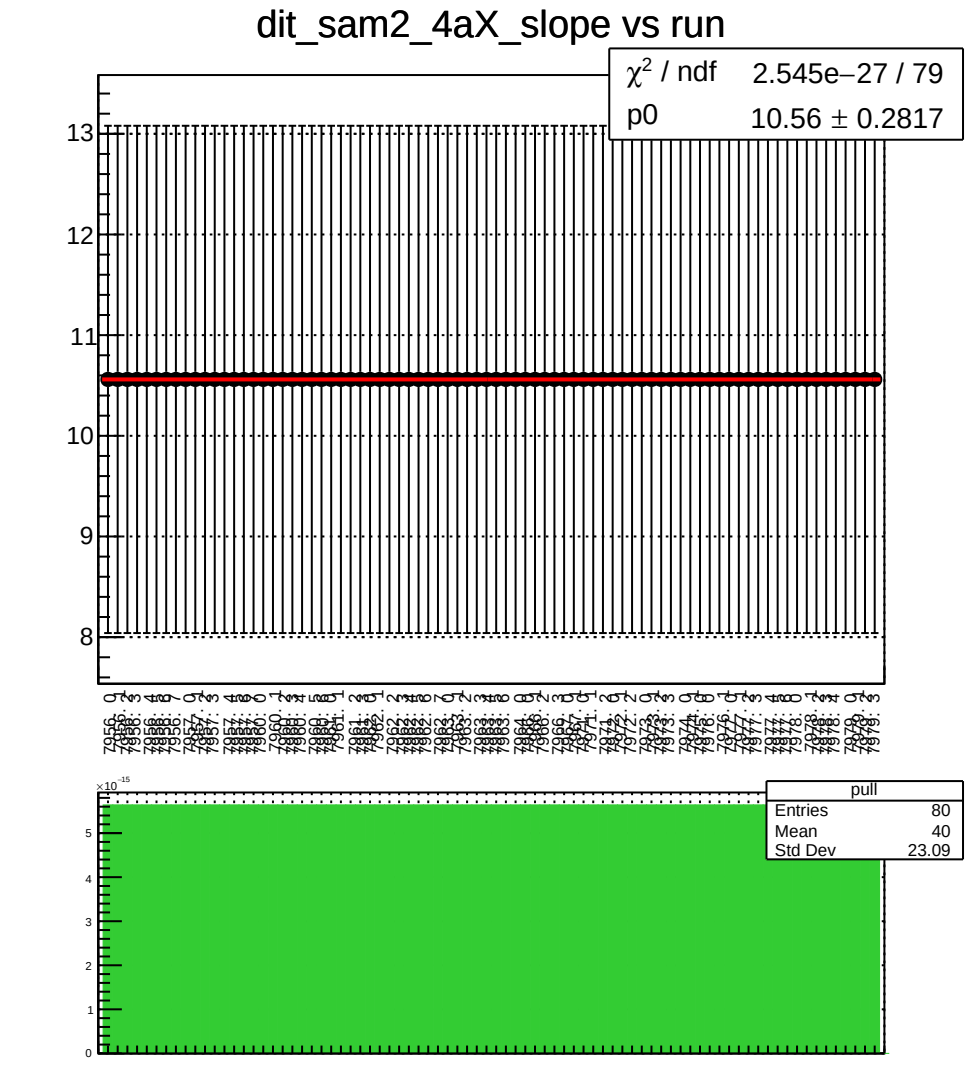

dit_sam1_11X12X_slope vs run
χ² / ndf 3.396e−26 / 79
p0 0.427 ± 0.004819
0.46
0.44
0.42
0.4
0.38
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0

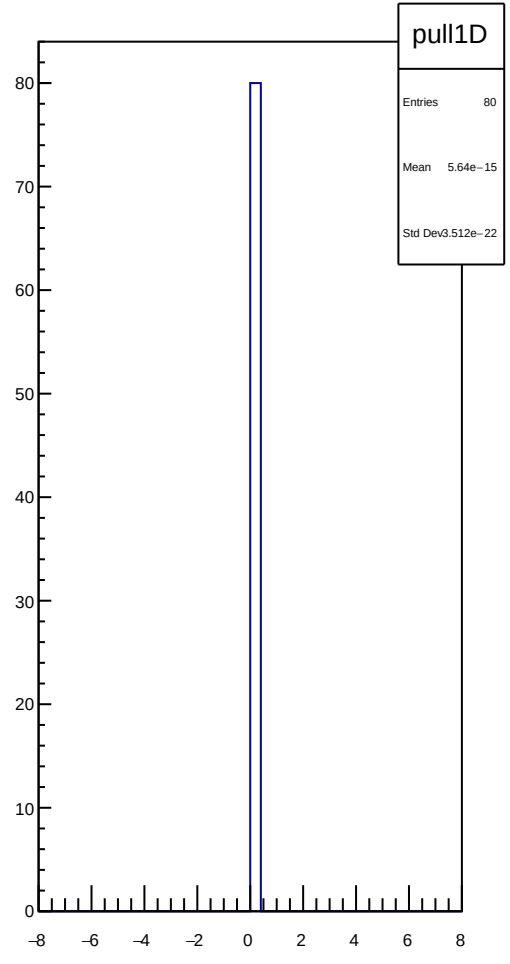

pull1D
Entries 80
Mean 2.06e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

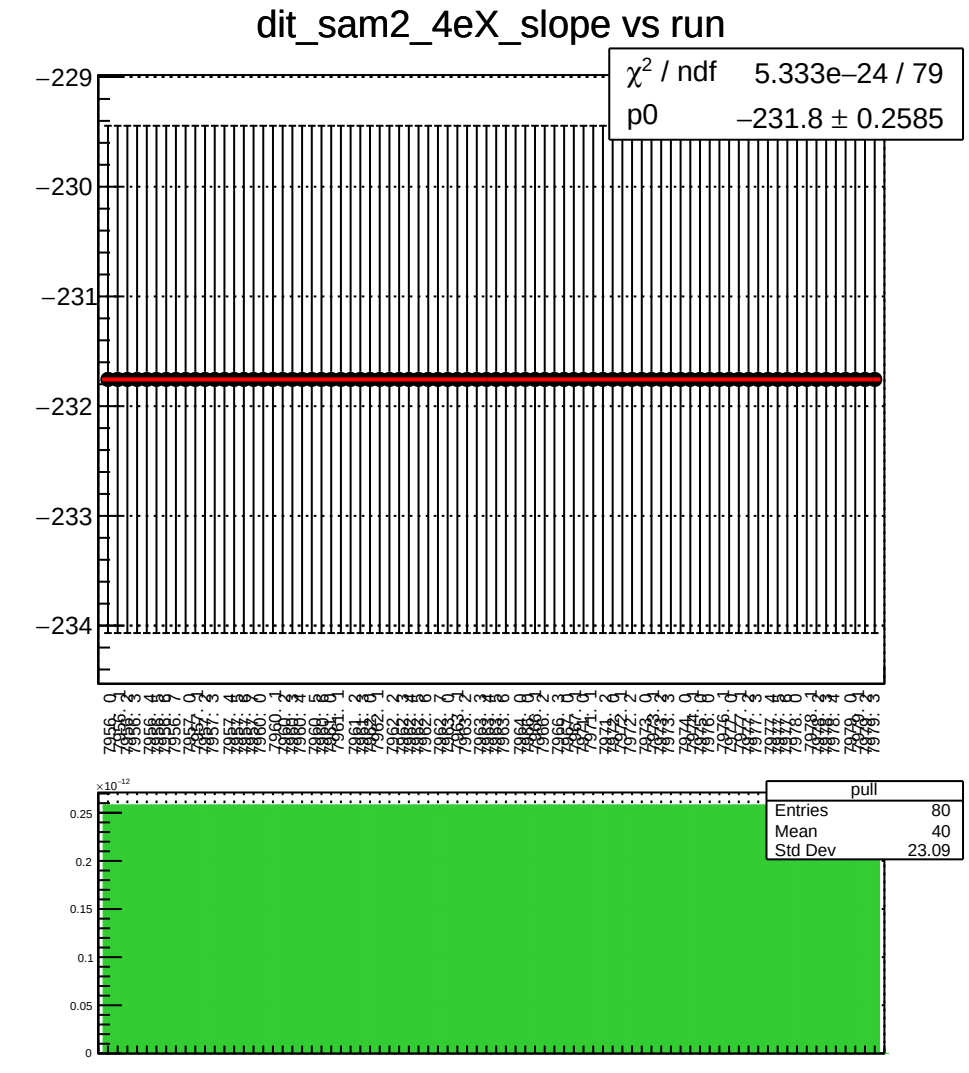

dit_sam1_4aY_slope vs run
χ² / ndf 5.957e−25 / 79
p0 −52.62 ± 0.04603
−52.2
−52.3
−52.4
−52.5
−52.6
−52.7
−52.8
−52.9
−53
−53.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 80
Mean −8.629e−14
Std Dev5.221e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

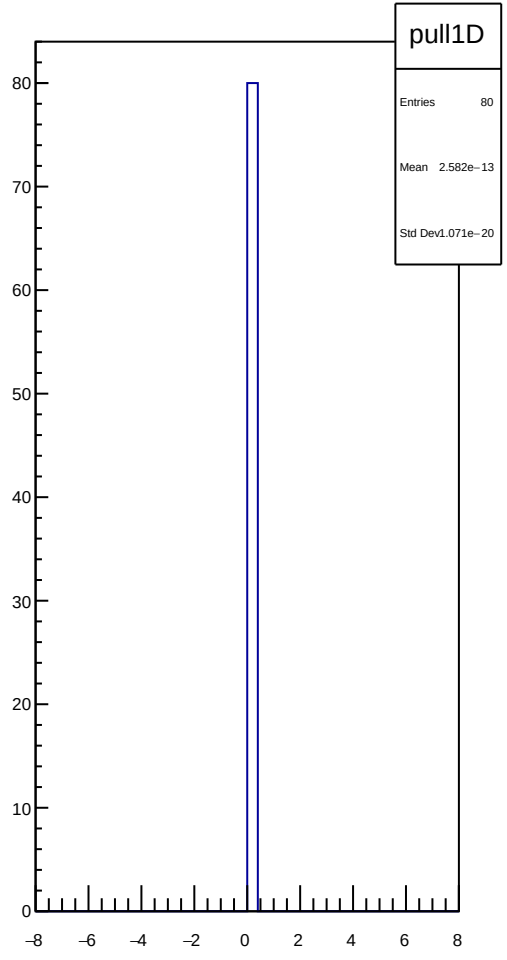

dit_sam1_4eY_slope vs run
χ^2 / ndf 0 / 79
p0 7.658 ± 0.05575
8.2
8
7.8
7.6
7.4
7.2
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

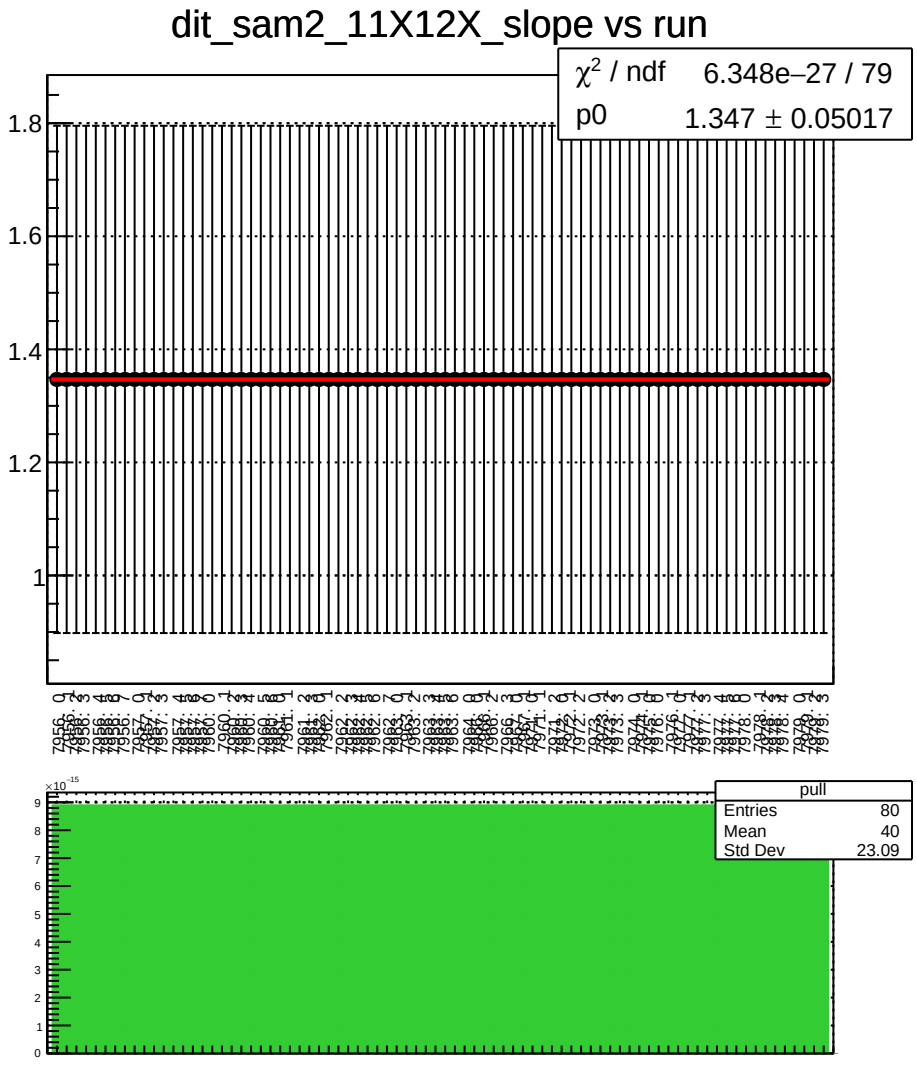

pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

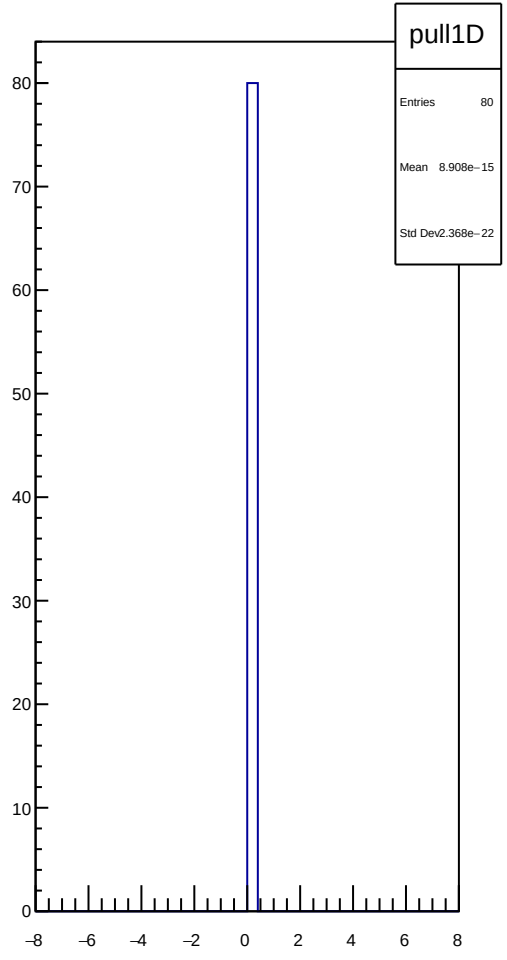

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.545e−27 / 79
p0 10.56 ± 0.2817
pull
Entries 80
Mean 40
Std Dev 23.09

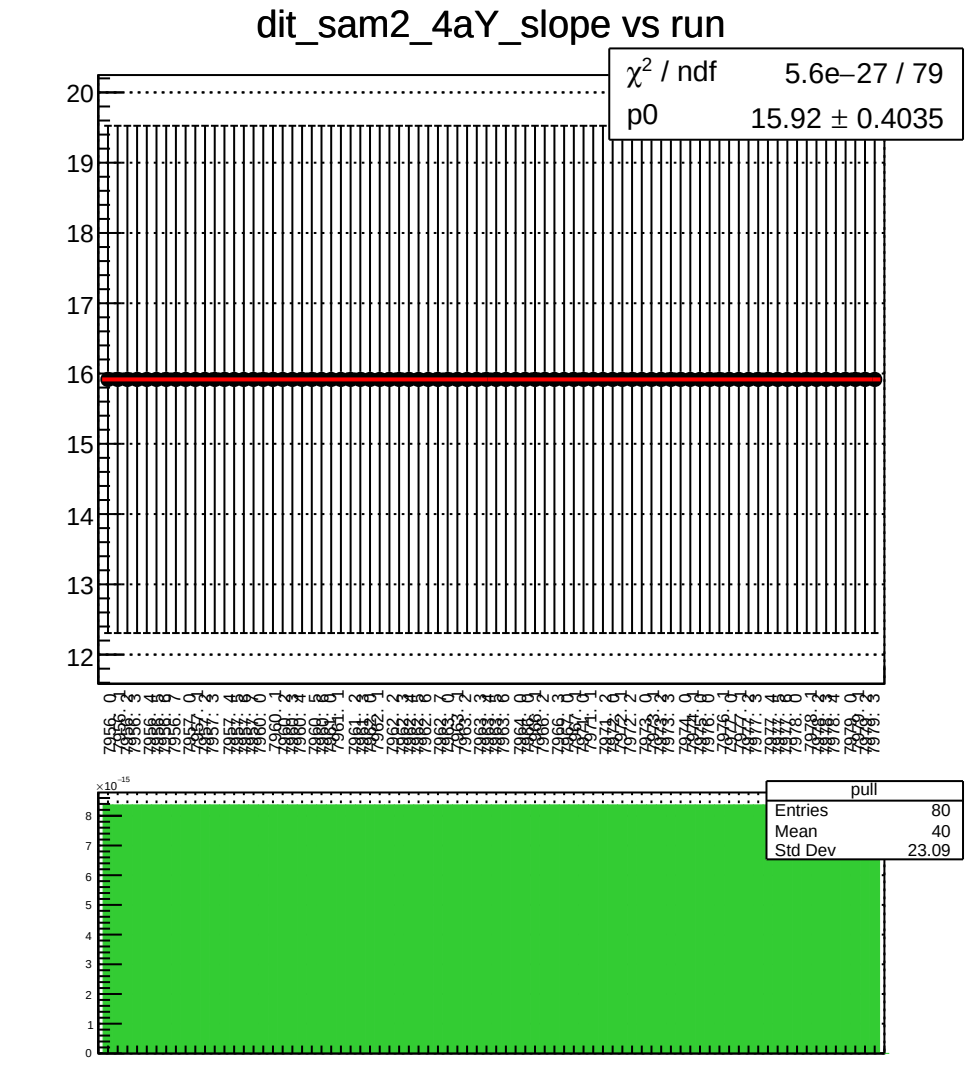

pull1D
Entries 80
Mean 5.64e−15
Std Dev 3.512e−22

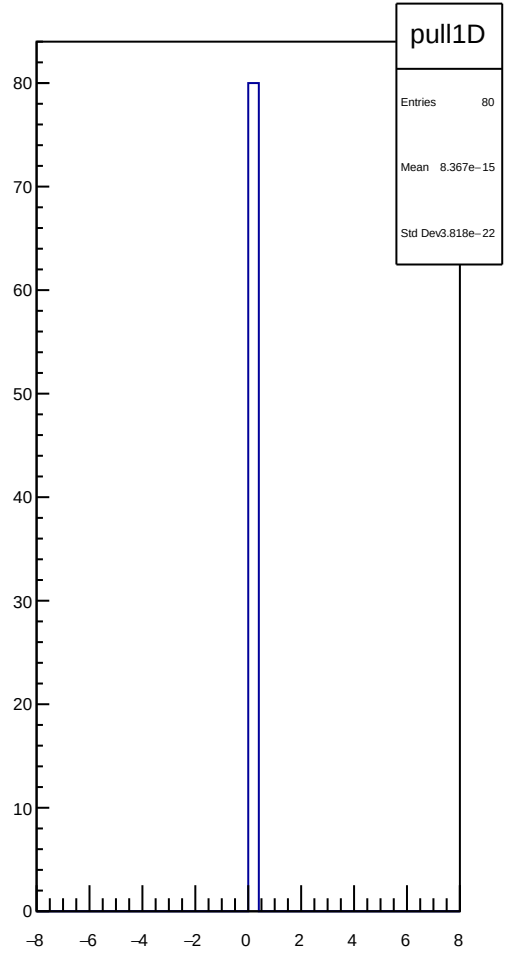

dit_sam2_4eX_slope vs run
χ² / ndf 5.333e−24 / 79
p0 −231.8 ± 0.2585
−229
−230
−231
−232
−233
−234
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

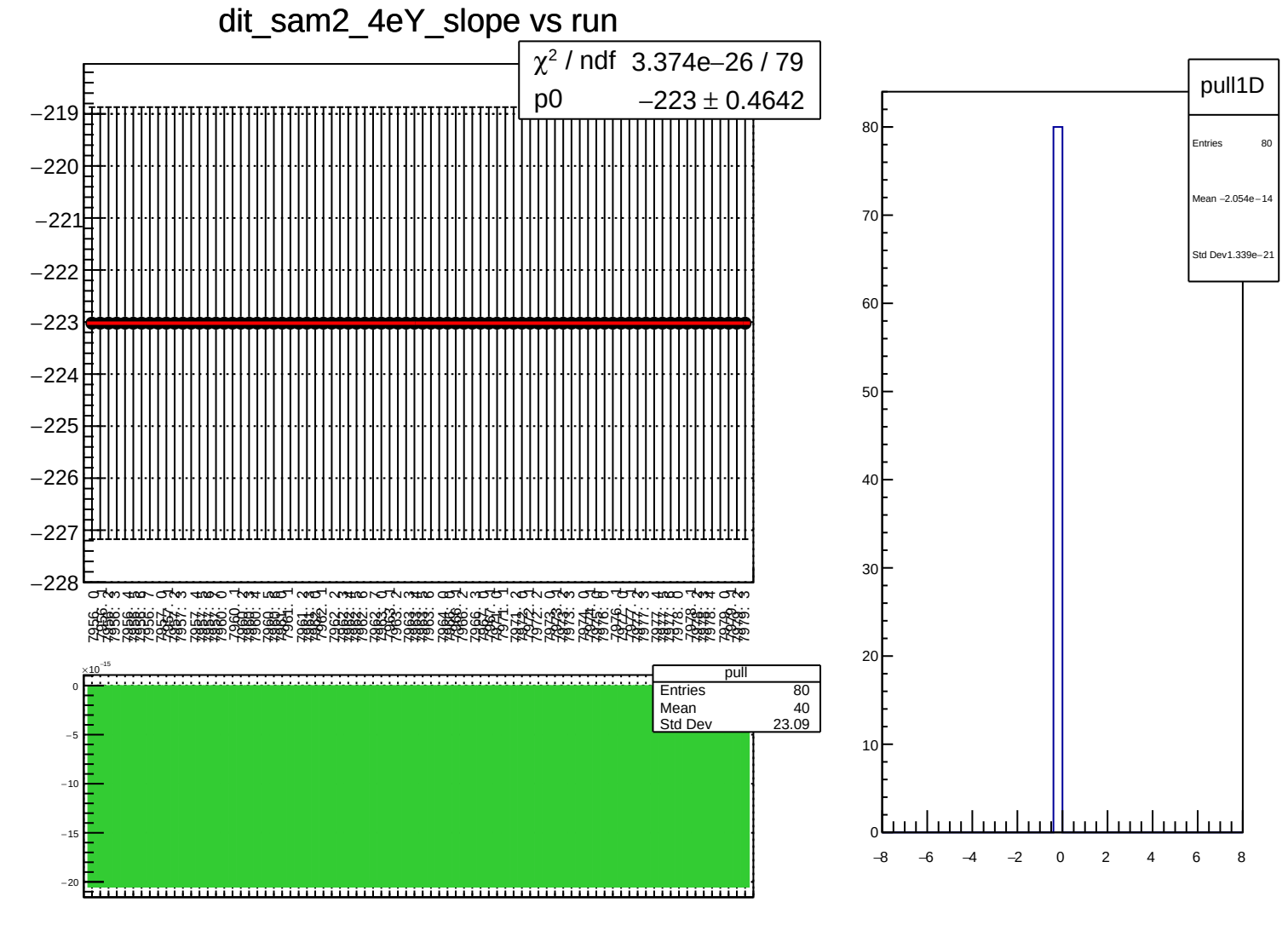

pull1D
Entries 80
Mean 2.582e−13
Std Dev1.071e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

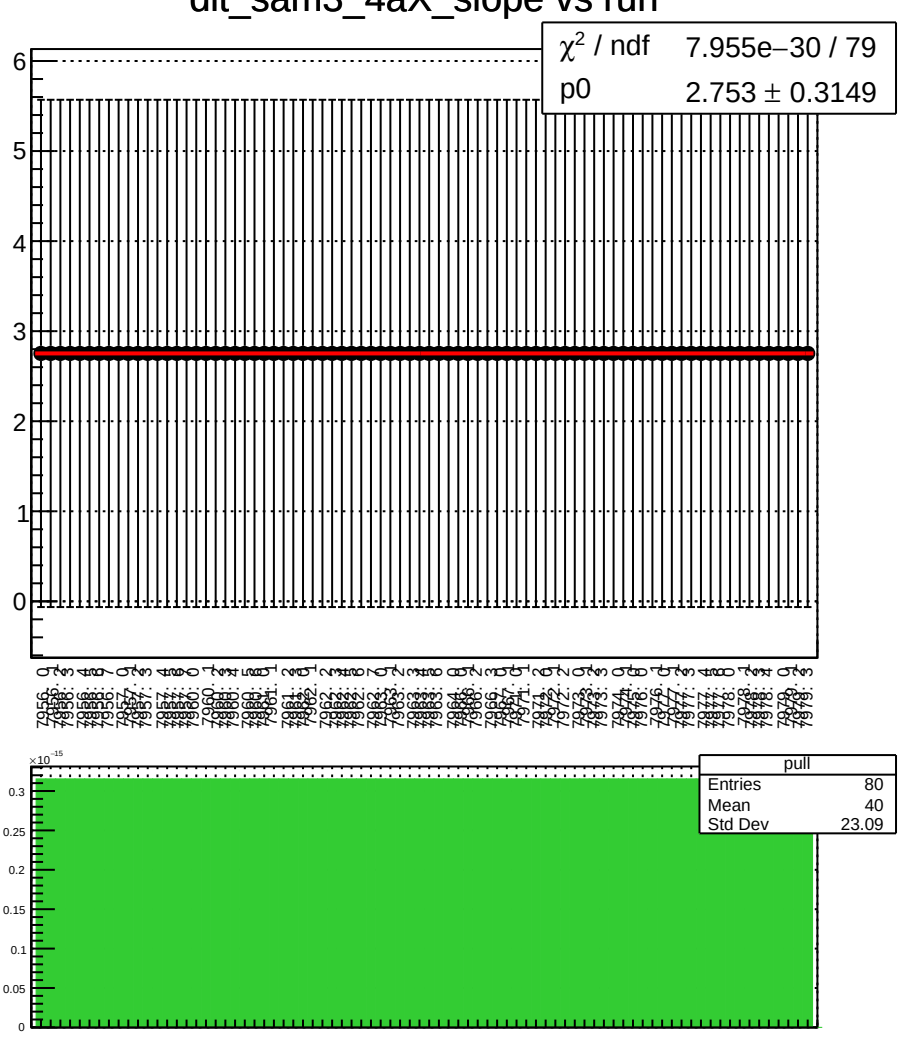

dit_sam2_11X12X_slope vs run
χ² / ndf 6.348e−27 / 79
p0 1.347 ± 0.05017
1.8
1.6
1.4
1.2
1
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0
pull
Entries 80
Mean 40
Std Dev 23.09

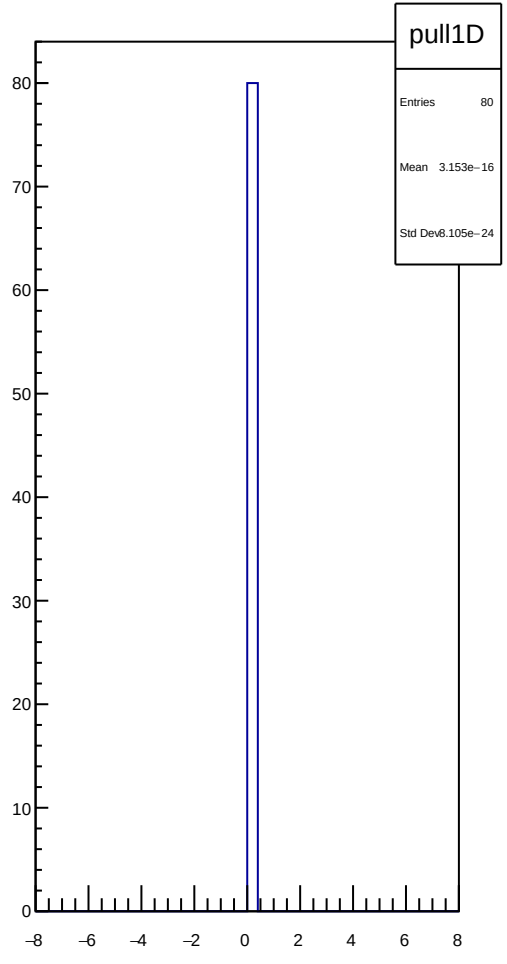

pull1D
Entries 80
Mean 8.908e−15
Std Dev 2.368e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

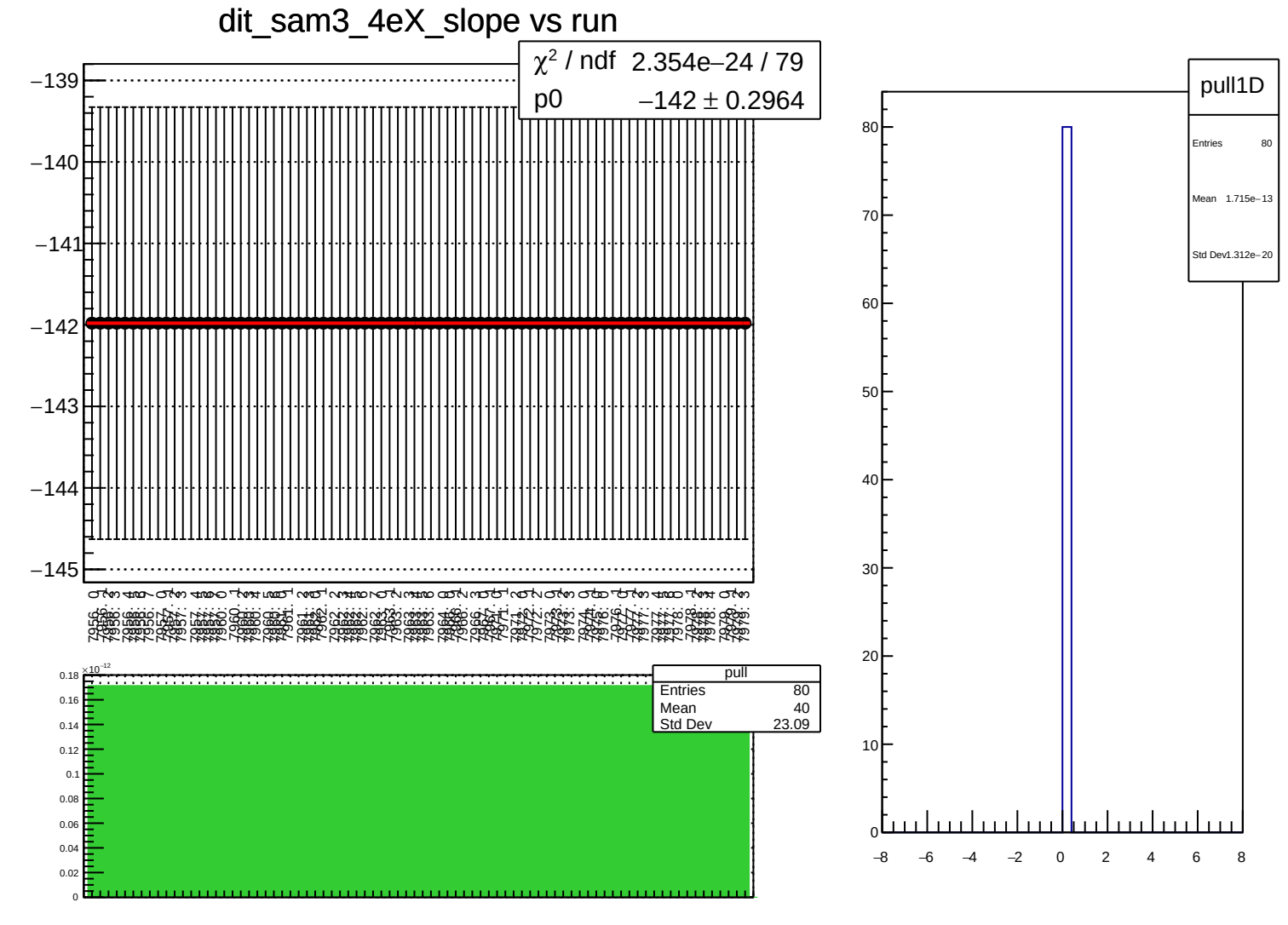

dit_sam2_4aY_slope vs run
χ² / ndf 5.6e−27 / 79
p0 15.92 ± 0.4035
pull
Entries 80
Mean 40
Std Dev 23.09

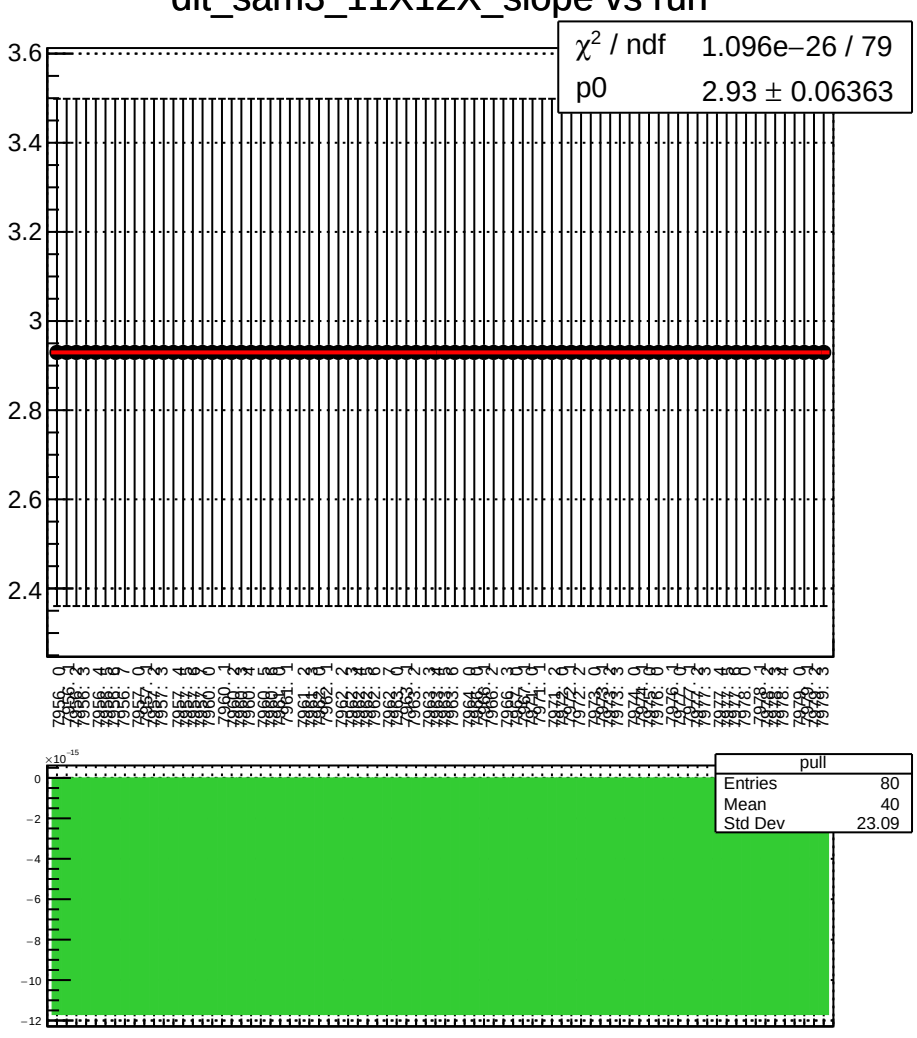

pull1D
Entries 80
Mean 8.367e−15
Std Dev 3.818e−22

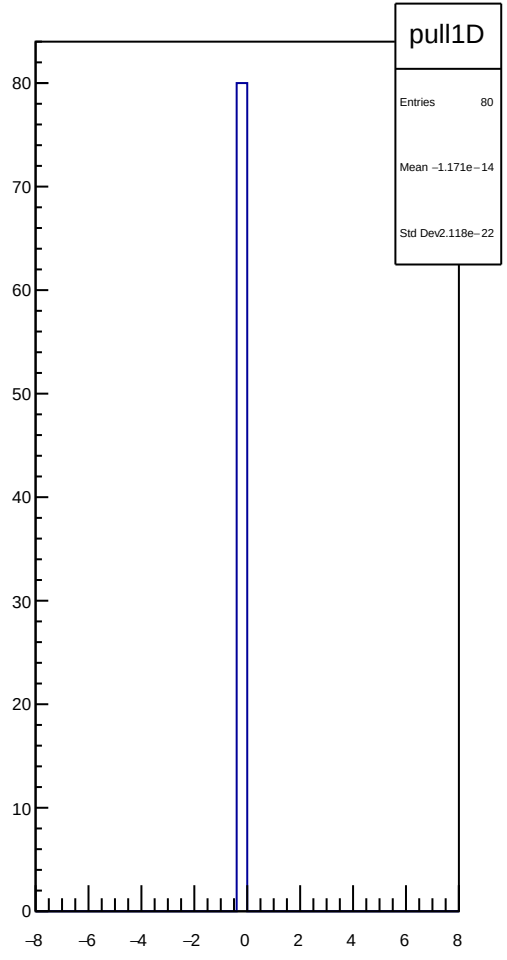

dit_sam2_4eY_slope vs run
χ² / ndf 3.374e−26 / 79
p0 −223 ± 0.4642
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.054e−14
Std Dev1.339e−21

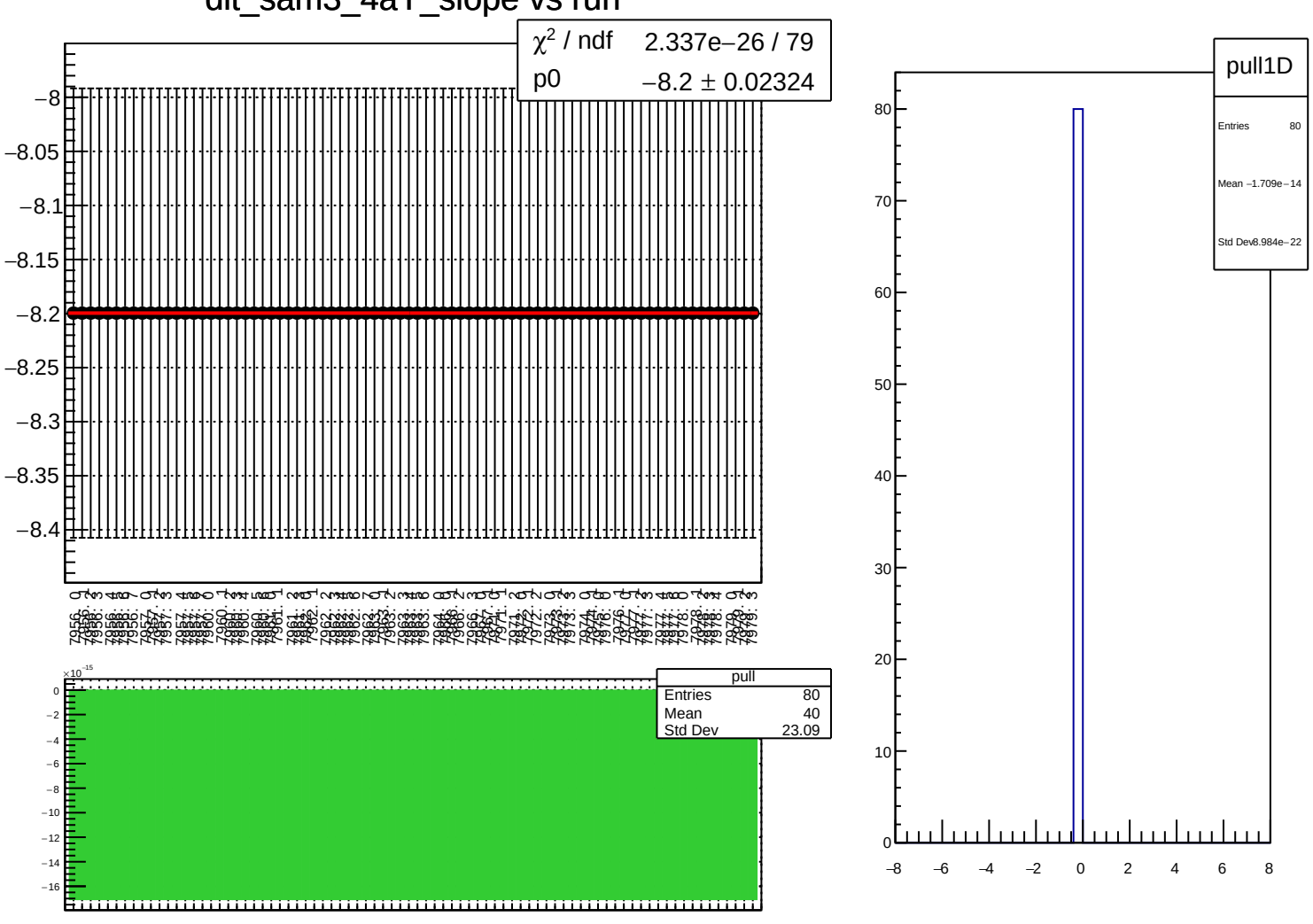

dit_sam3_4aX_slope vs run
χ^2 / ndf 7.955e−30 / 79
p0 2.753 ± 0.3149
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15

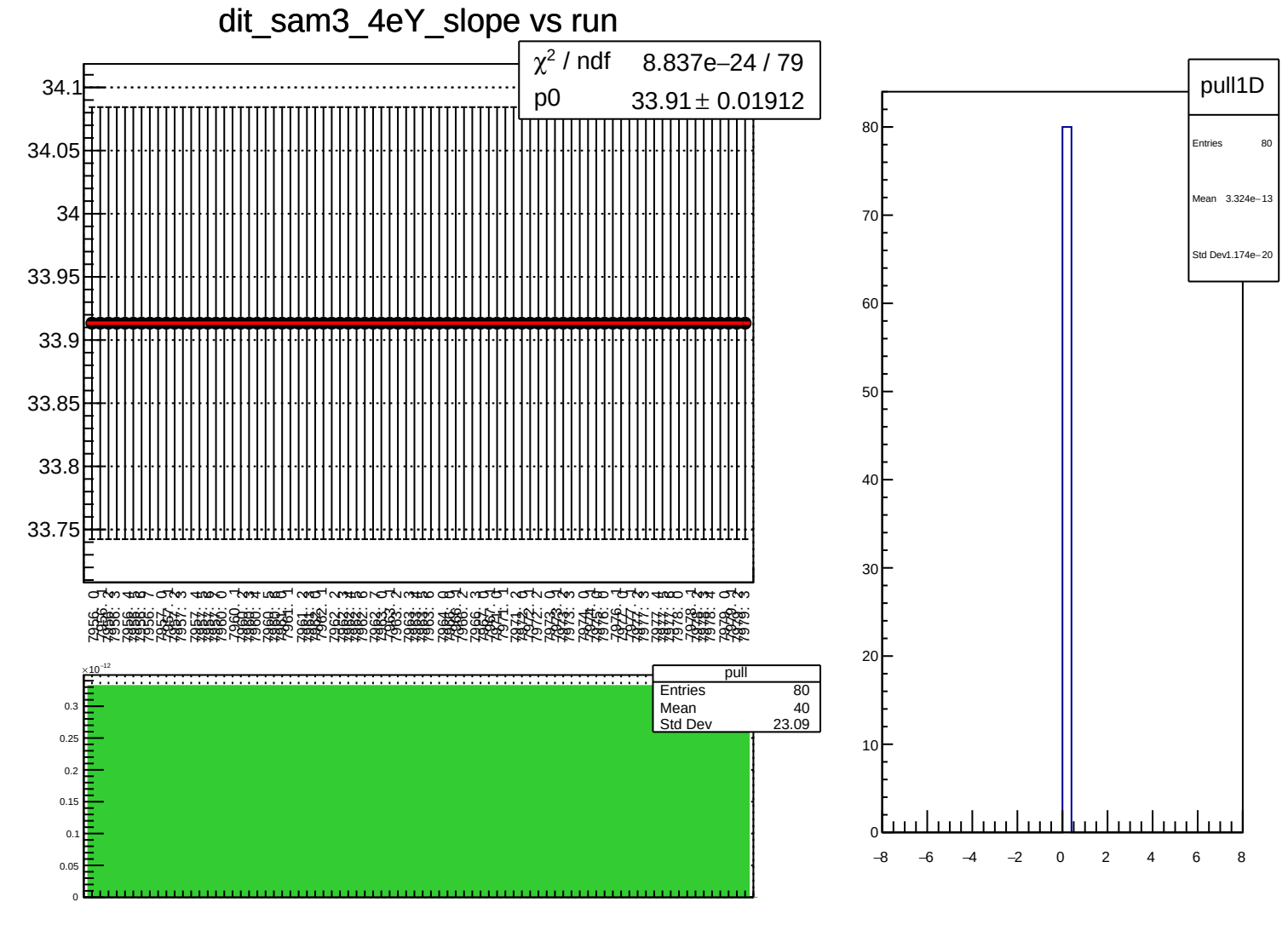

pull1D
Entries 80
Mean 3.153e−16
Std Dev 8.105e−24

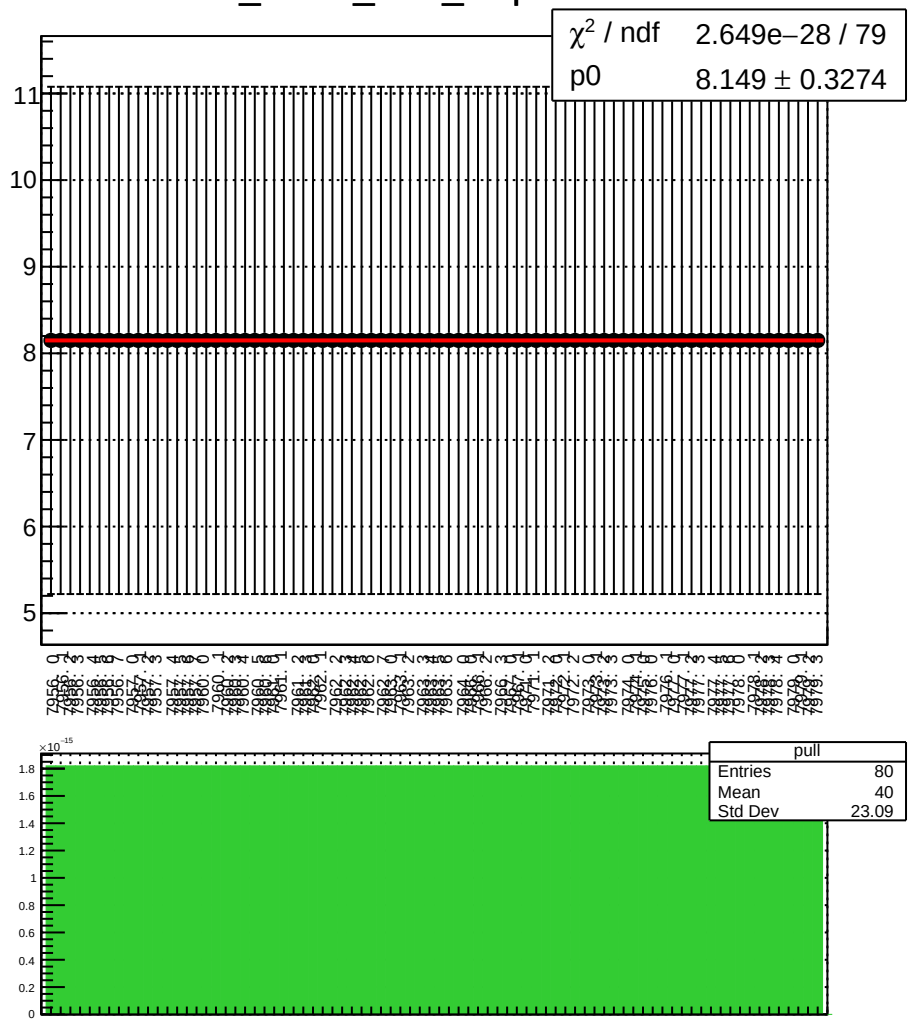

dit_sam3_4eX_slope vs run
χ^2 / ndf 2.354e−24 / 79
p0 −142 ± 0.2964
−139
−140
−141
−142
−143
−144
−145
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 80
Mean 1.715e−13
Std Dev1.312e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

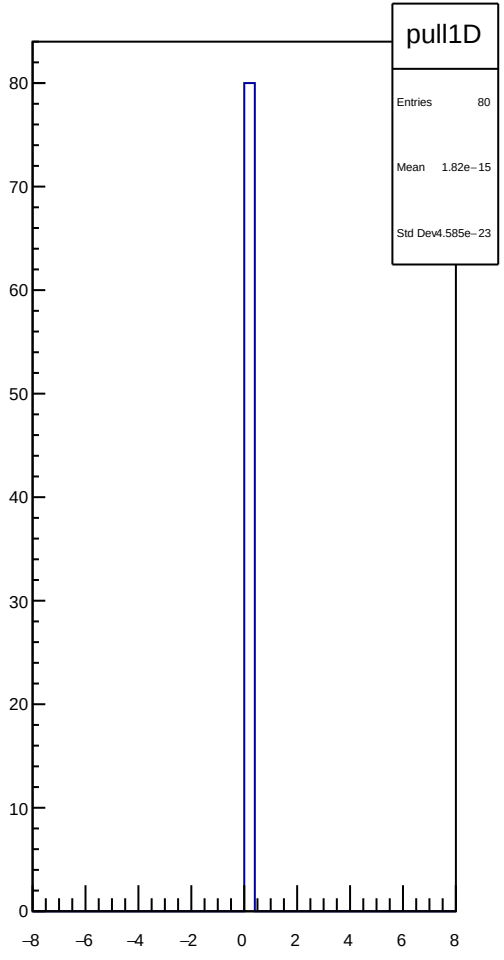

dit_sam3_11X12X_slope vs run
χ² / ndf 1.096e−26 / 79
p0 2.93 ± 0.06363
pull
Entries 80
Mean 40
Std Dev 23.09

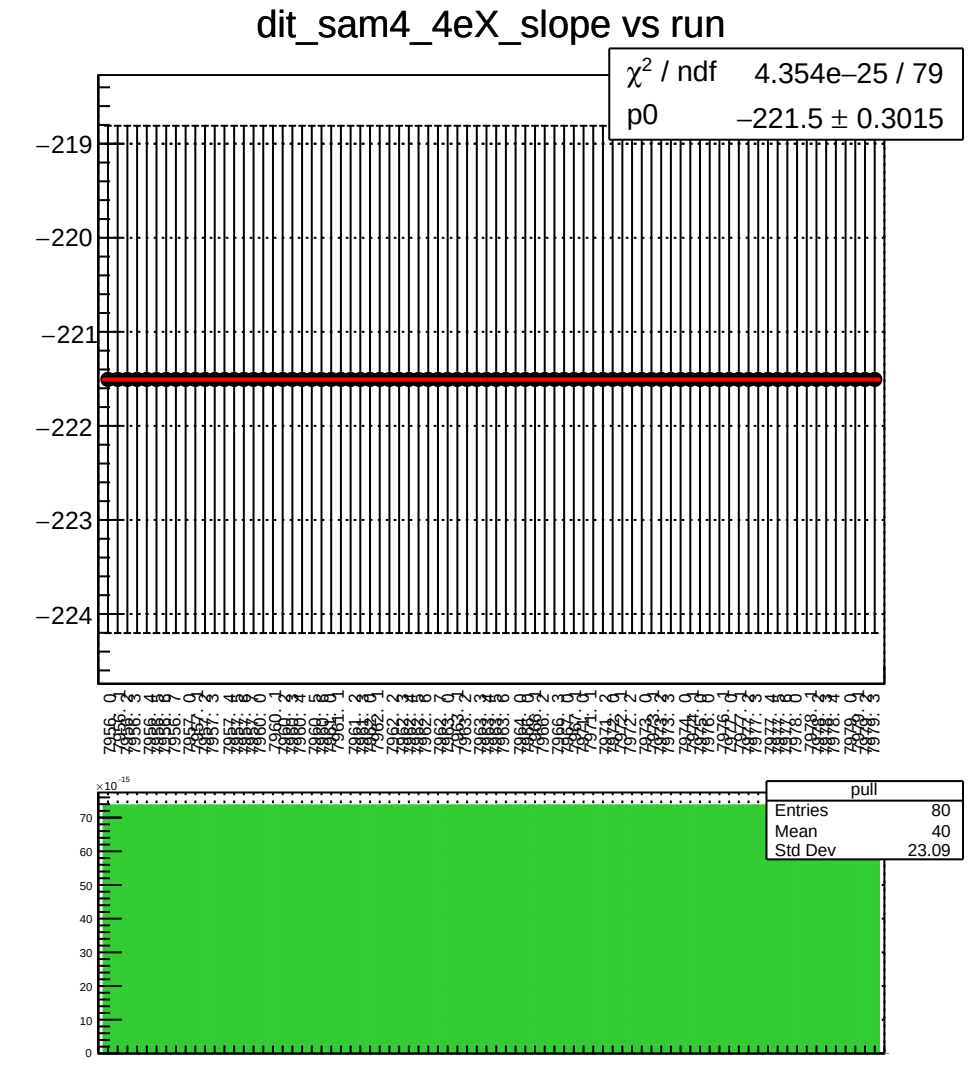

pull1D
Entries 80
Mean −1.171e−14
Std Dev2.118e−22

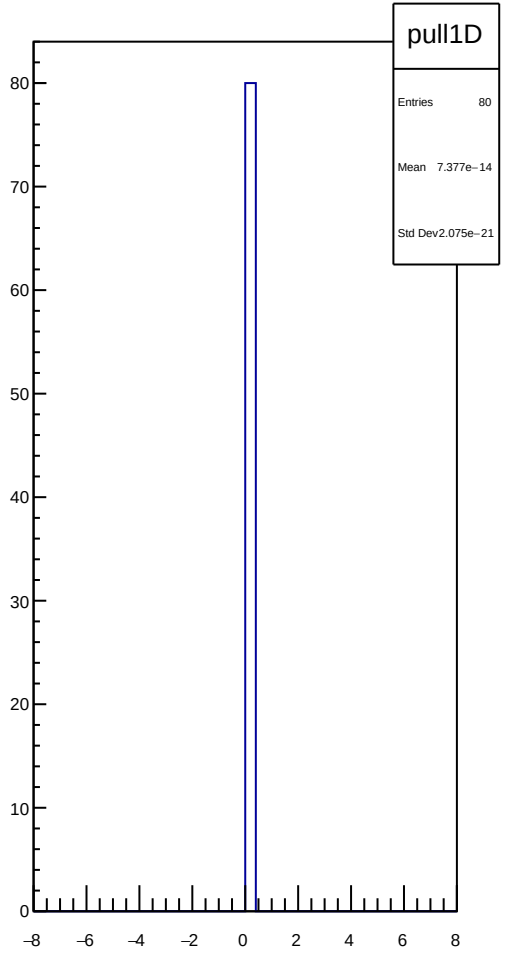

dit_sam3_4aY_slope vs run
χ² / ndf 2.337e−26 / 79
p0 −8.2 ± 0.02324
−8
−8.05
−8.1
−8.15
−8.2
−8.25
−8.3
−8.35
−8.4
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 80
Mean −1.709e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

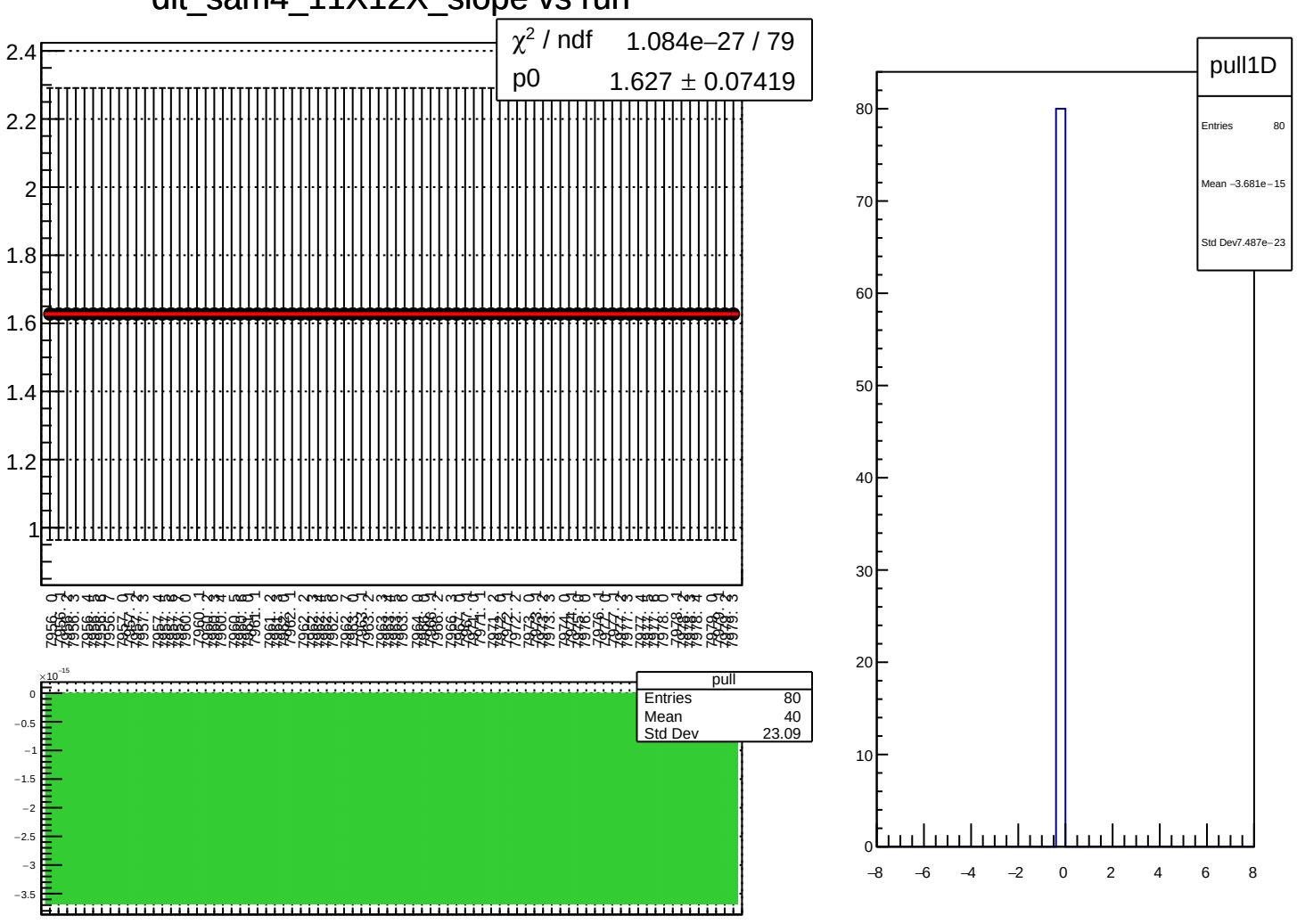

dit_sam3_4eY_slope vs run
χ² / ndf 8.837e−24 / 79
p0 33.91 ± 0.01912
34.1
34.05
34
33.95
33.9
33.85
33.8
33.75
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 80
Mean 3.324e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

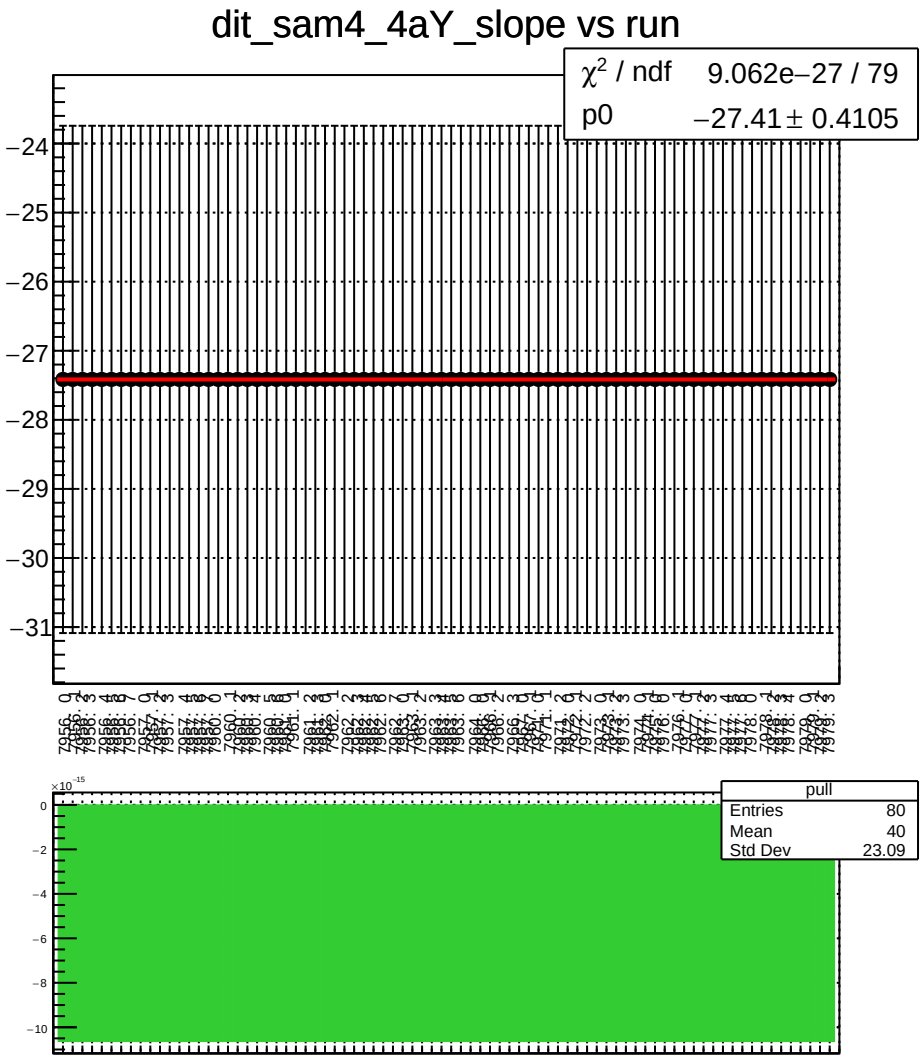

dit_sam4_4aX_slope vs run
χ^2 / ndf 2.649e−28 / 79
p0 8.149 ± 0.3274
pull
Entries 80
Mean 40
Std Dev 23.09

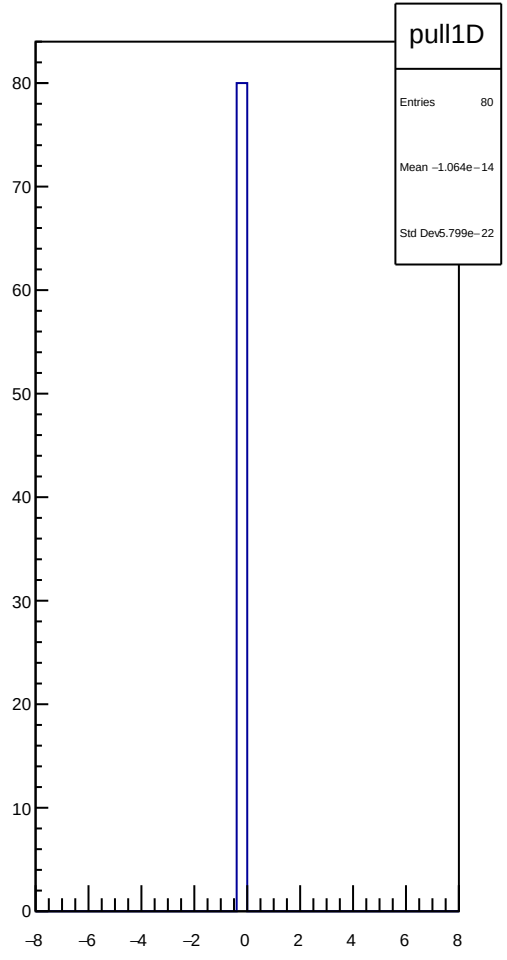

pull1D
Entries 80
Mean 1.82e−15
Std Dev 4.585e−23

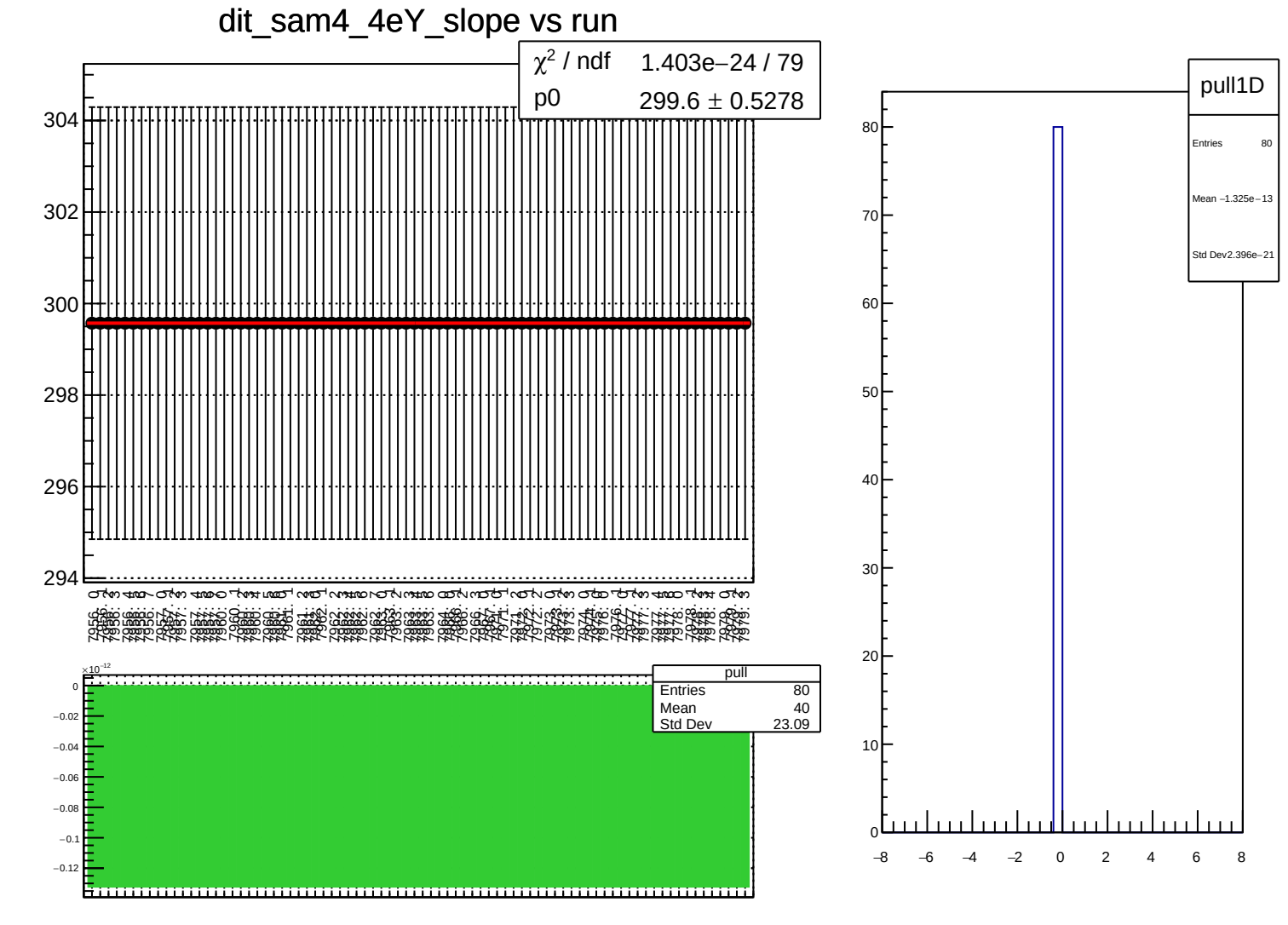

dit_sam4_4eX_slope vs run
χ² / ndf 4.354e−25 / 79
p0 −221.5 ± 0.3015
−219
−220
−221
−222
−223
−224
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
70
60
50
40
30
20
10
0

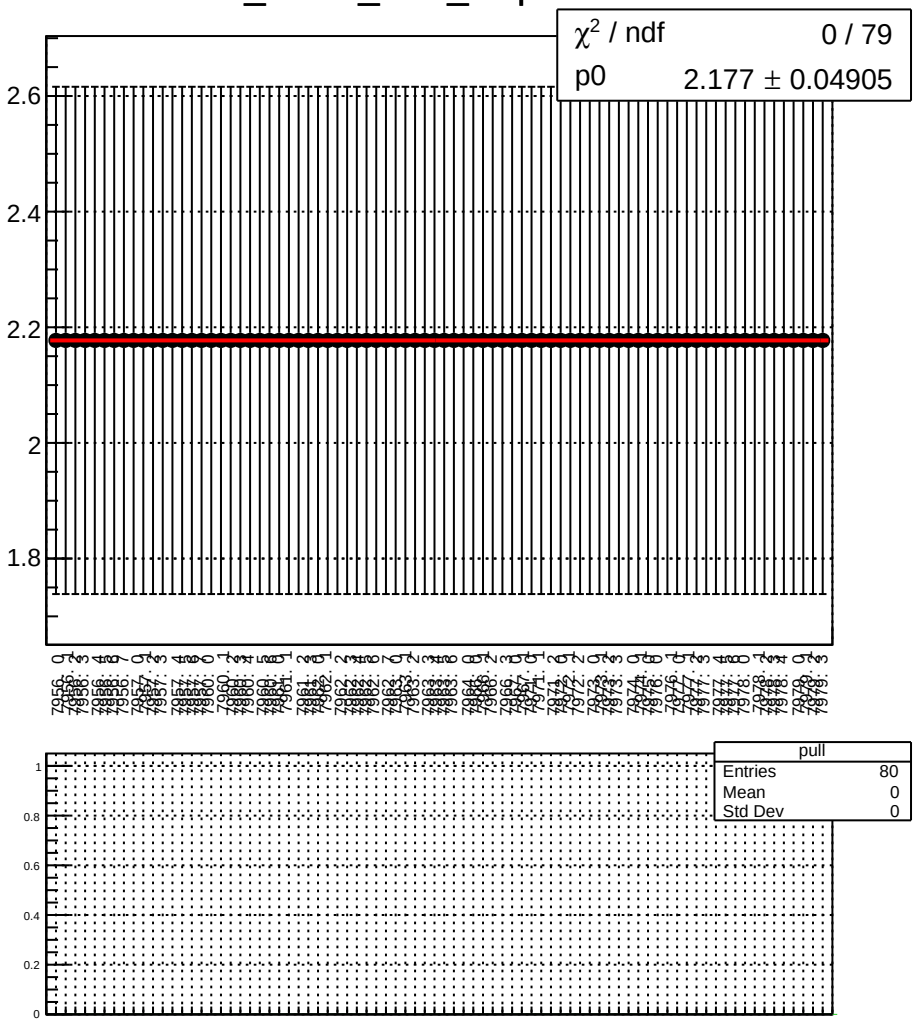

pull1D
Entries 80
Mean 7.377e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

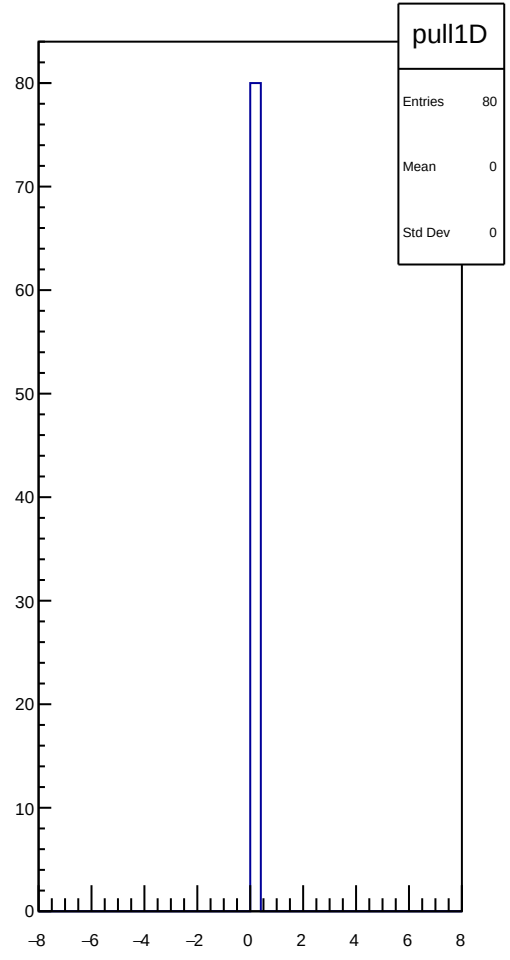

dit_sam4_11X12X_slope vs run
χ² / ndf 1.084e−27 / 79
p0 1.627 ± 0.07419
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.681e−15
Std Dev 7.487e−23

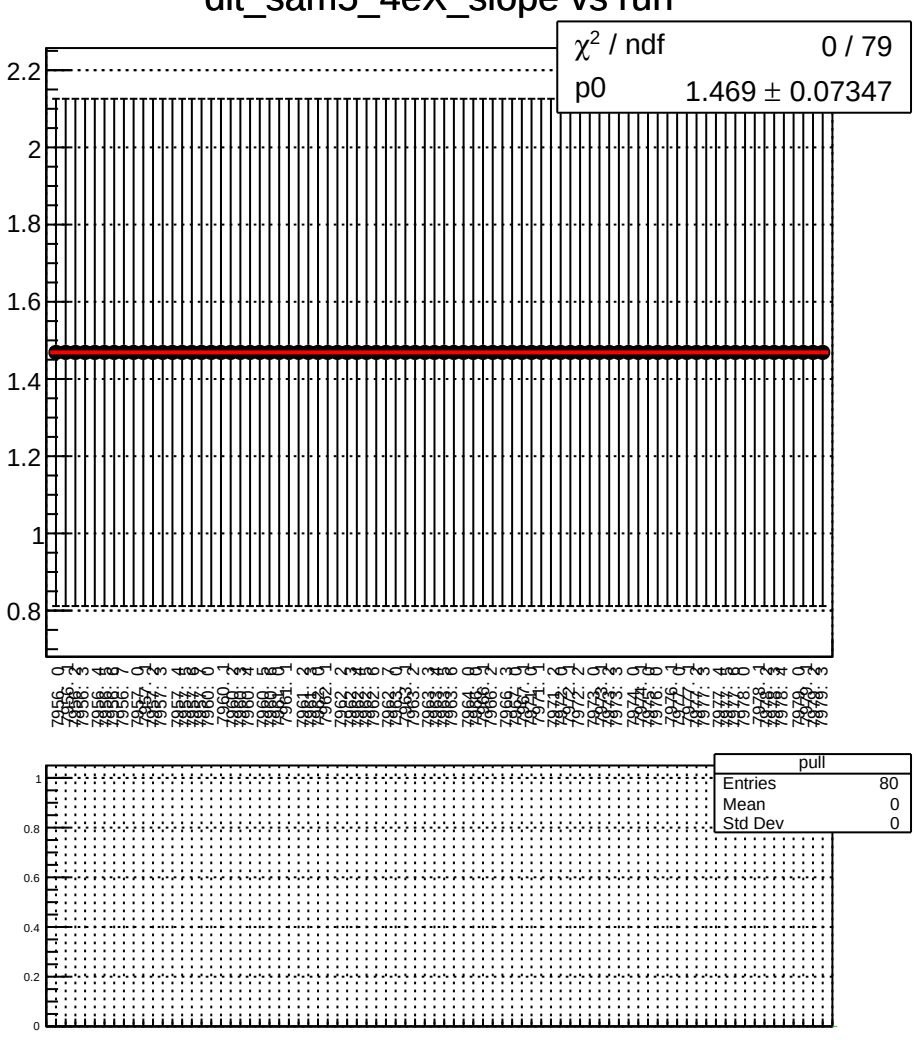

dit_sam4_4aY_slope vs run
χ² / ndf 9.062e−27 / 79
p0 −27.41 ± 0.4105
−24
−25
−26
−27
−28
−29
−30
−31
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10

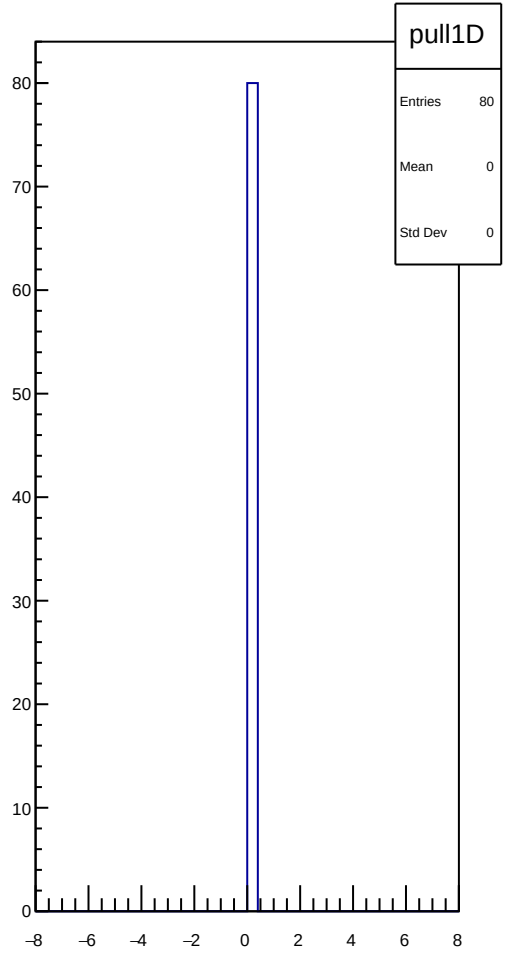

pull1D
Entries 80
Mean −1.064e−14
Std Dev 5.799e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

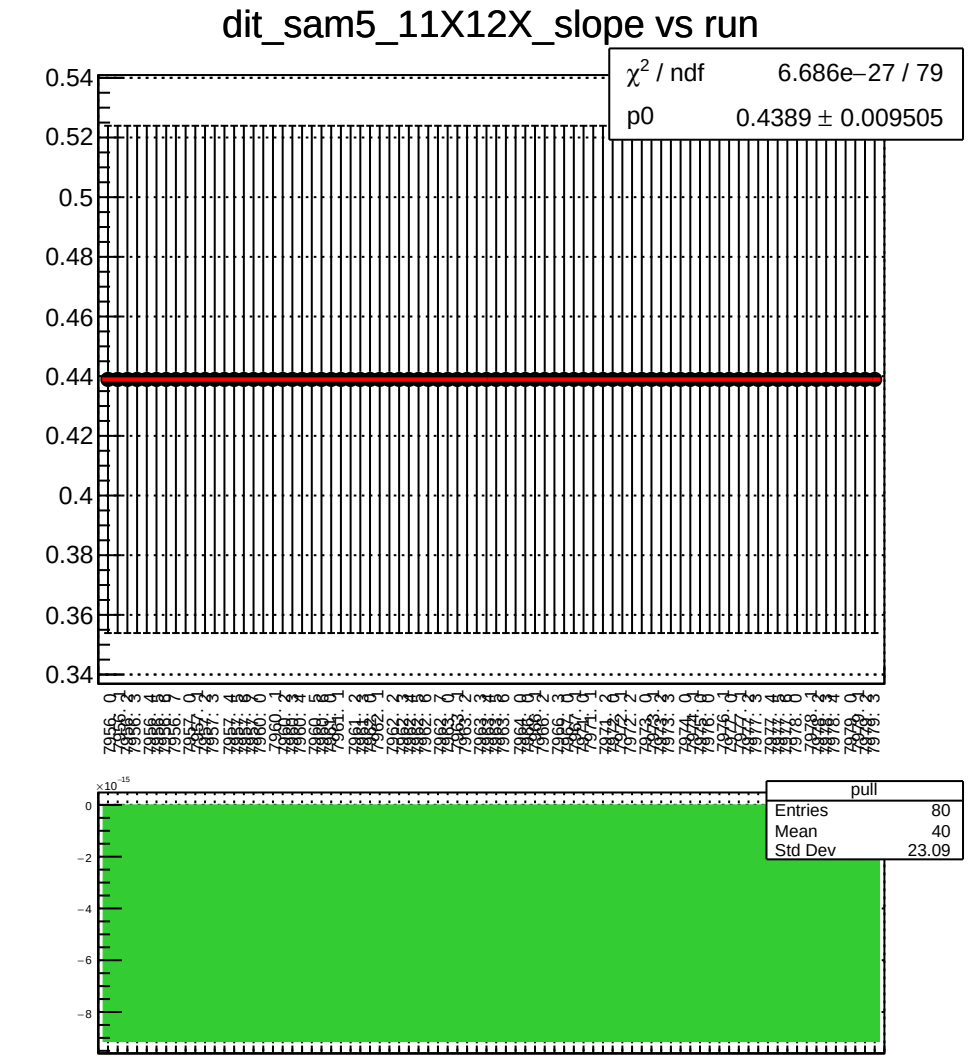

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.403e−24 / 79
p0 299.6 ± 0.5278
304
302
300
298
296
294
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 80
Mean −1.325e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

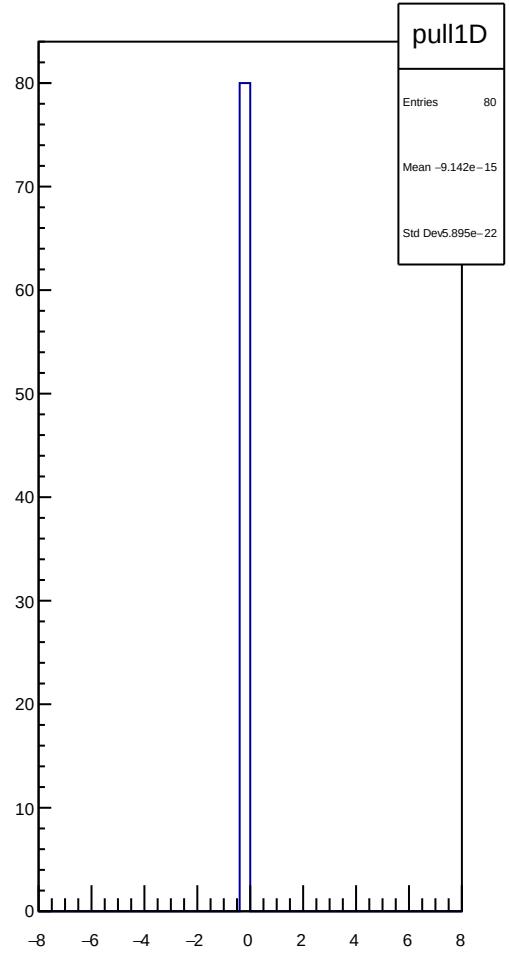

dit_sam5_4aX_slope vs run
χ² / ndf 0 / 79
p0 2.177 ± 0.04905
pull
Entries 80
Mean 0
Std Dev 0

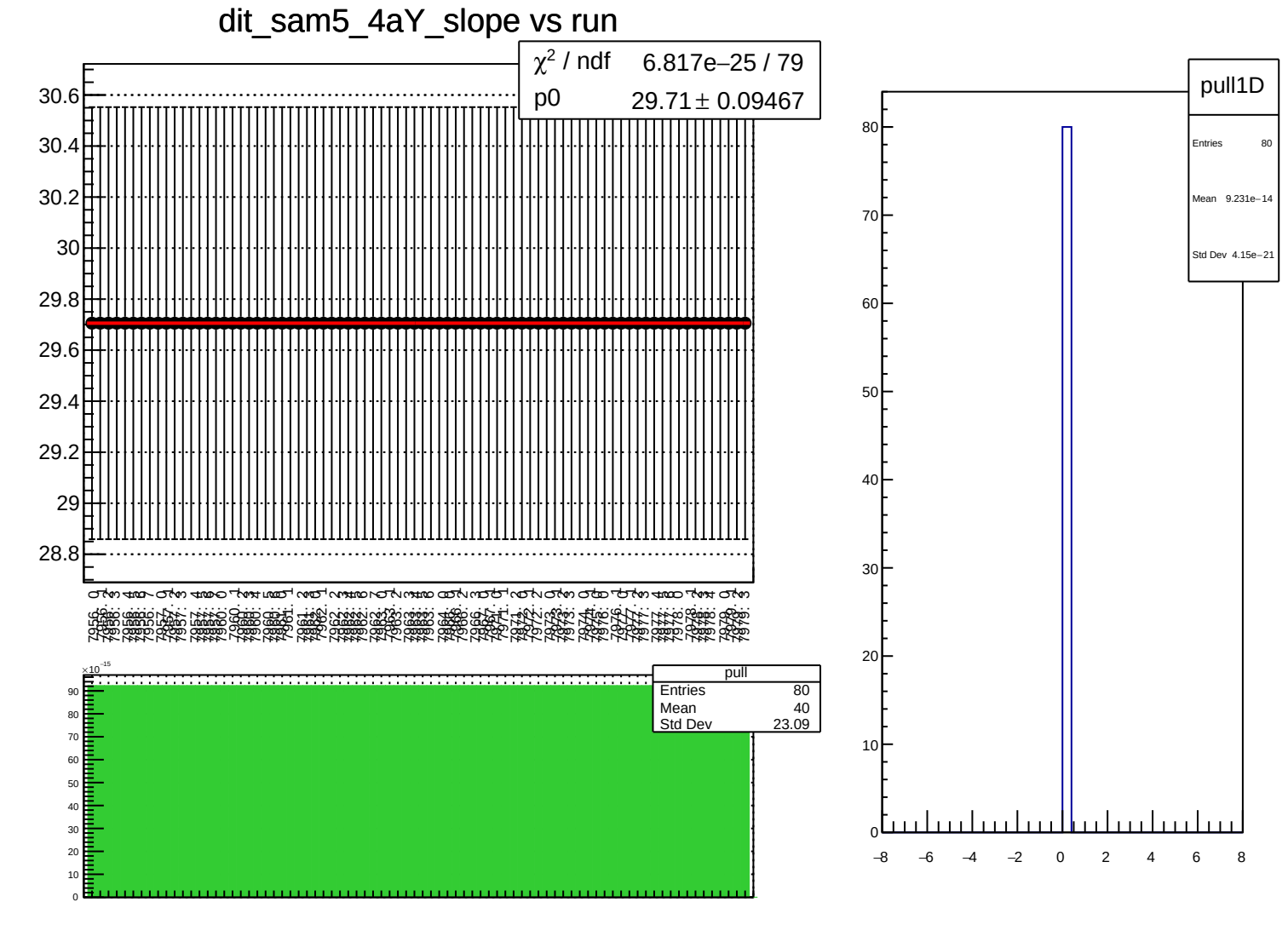

pull1D
Entries 80
Mean 0
Std Dev 0

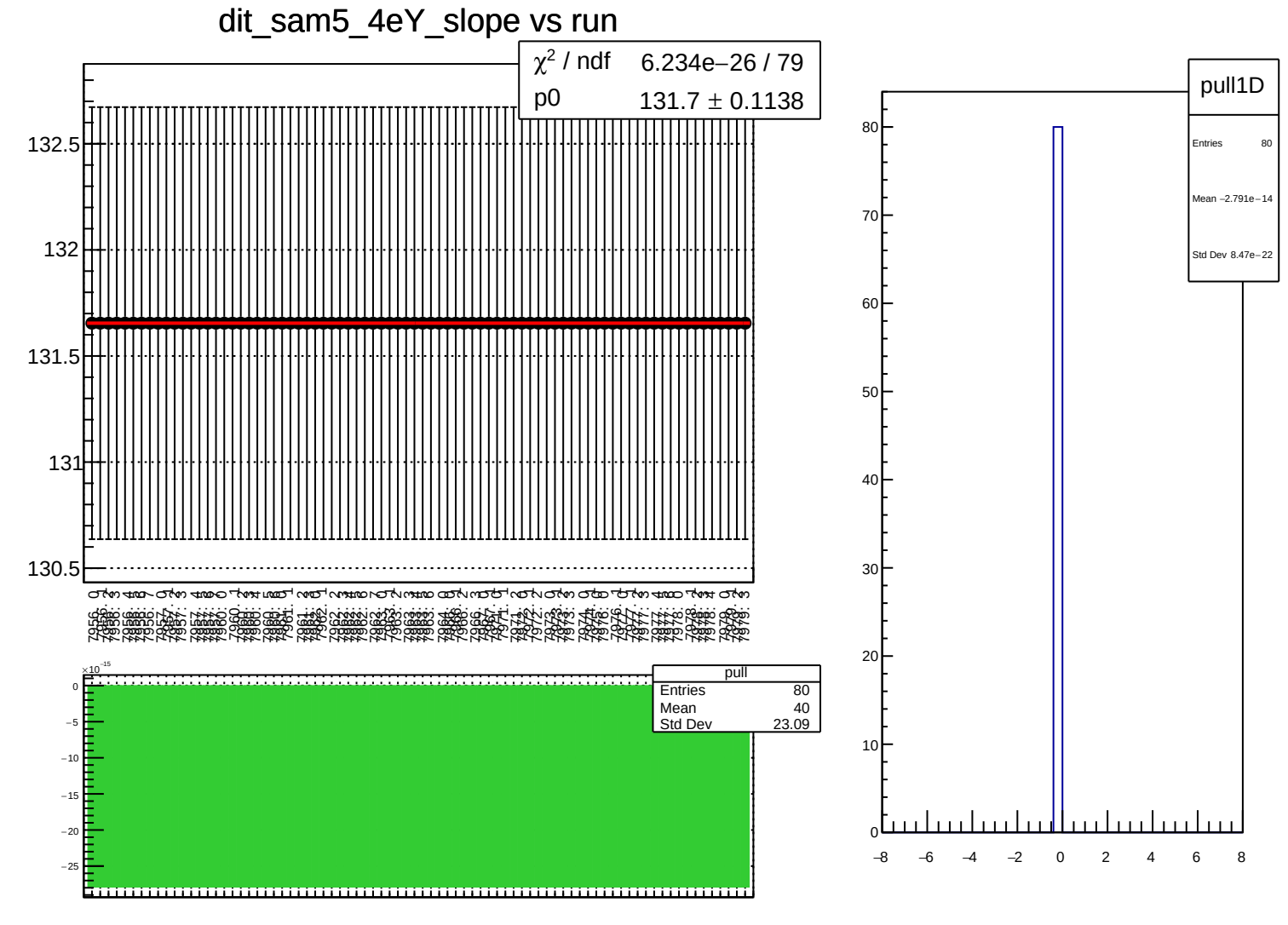

dit_sam5_4eX_slope vs run
χ^2 / ndf 0 / 79
p0 1.469 ± 0.07347
pull
Entries 80
Mean 0
Std Dev 0

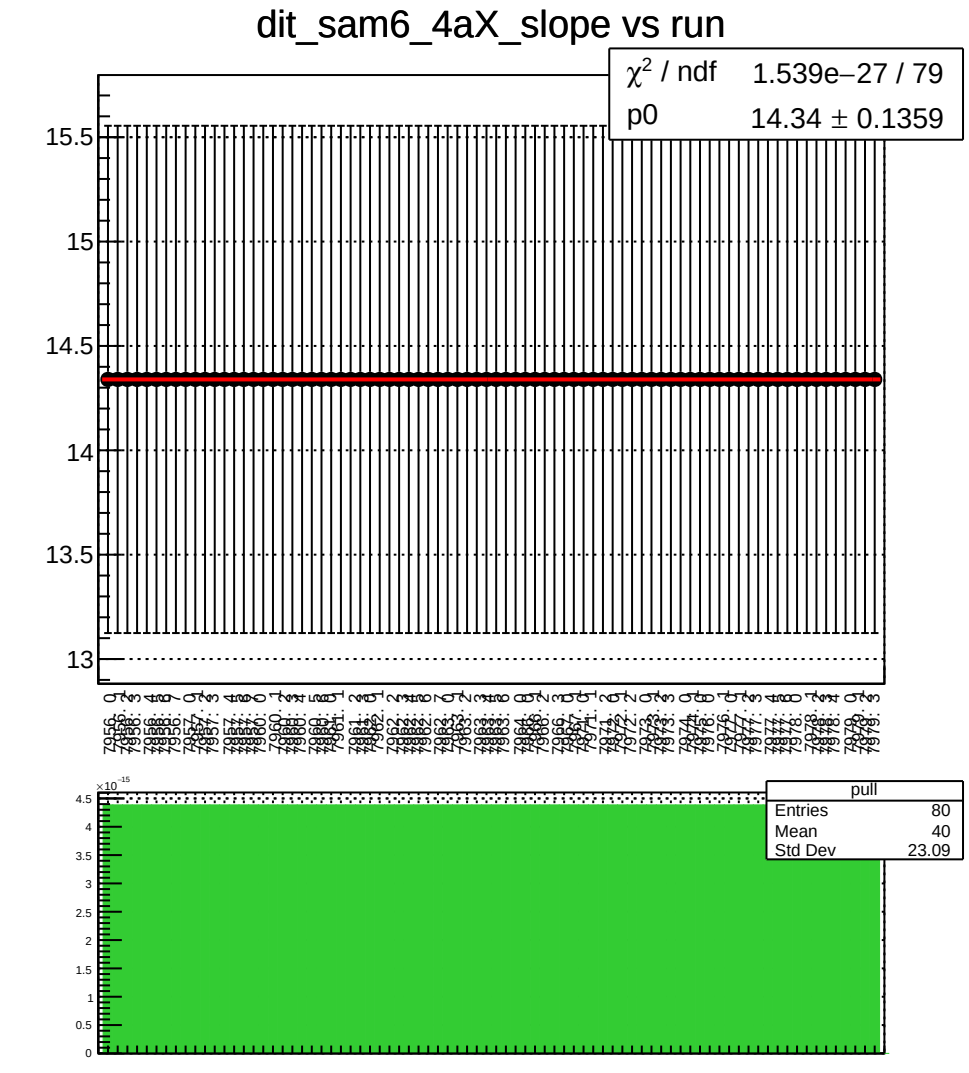

pull1D
Entries 80
Mean 0
Std Dev 0

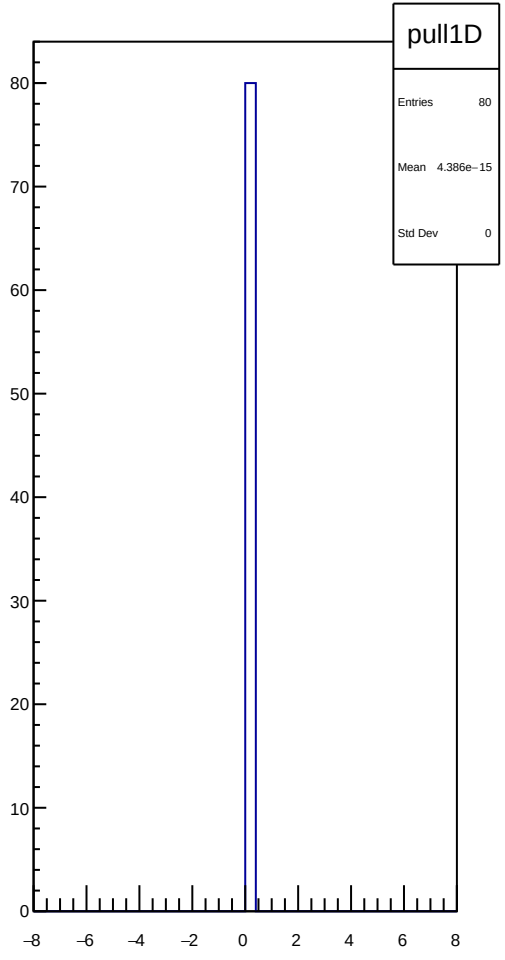

dit_sam5_11X12X_slope vs run
χ² / ndf 6.686e−27 / 79
p0 0.4389 ± 0.009505
pull
Entries 80
Mean 40
Std Dev 23.09

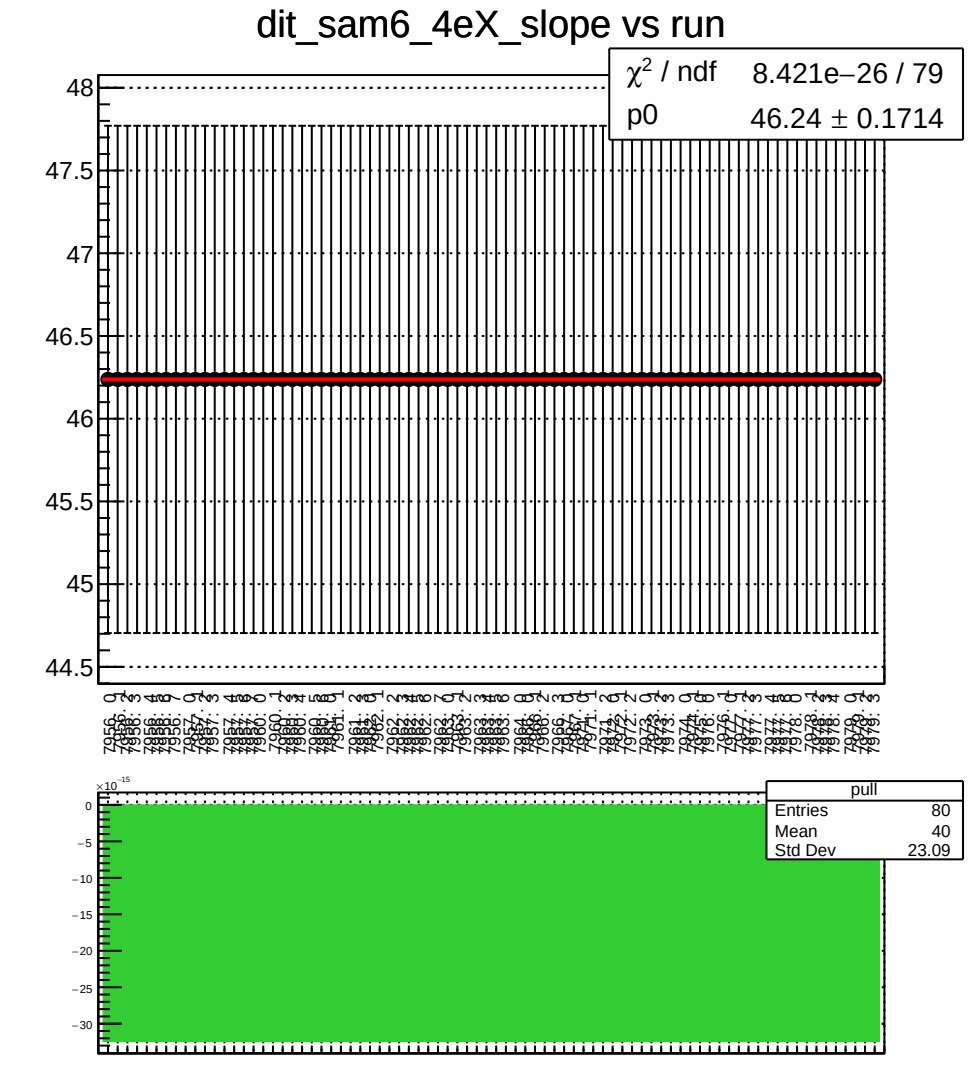

pull1D
Entries 80
Mean −9.142e−15
Std Dev 5.895e−22

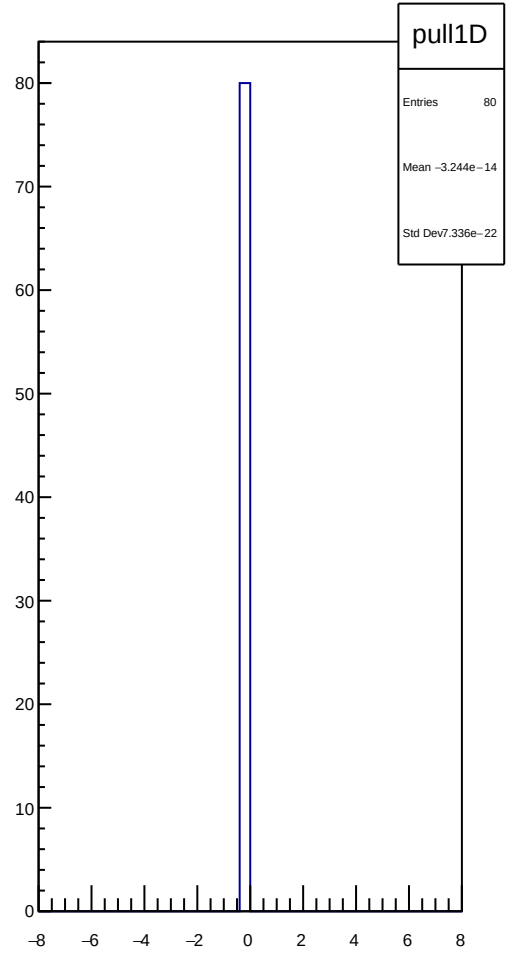

dit_sam5_4aY_slope vs run
χ² / ndf 6.817e−25 / 79
p0 29.71 ± 0.09467
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.231e−14
Std Dev 4.15e−21

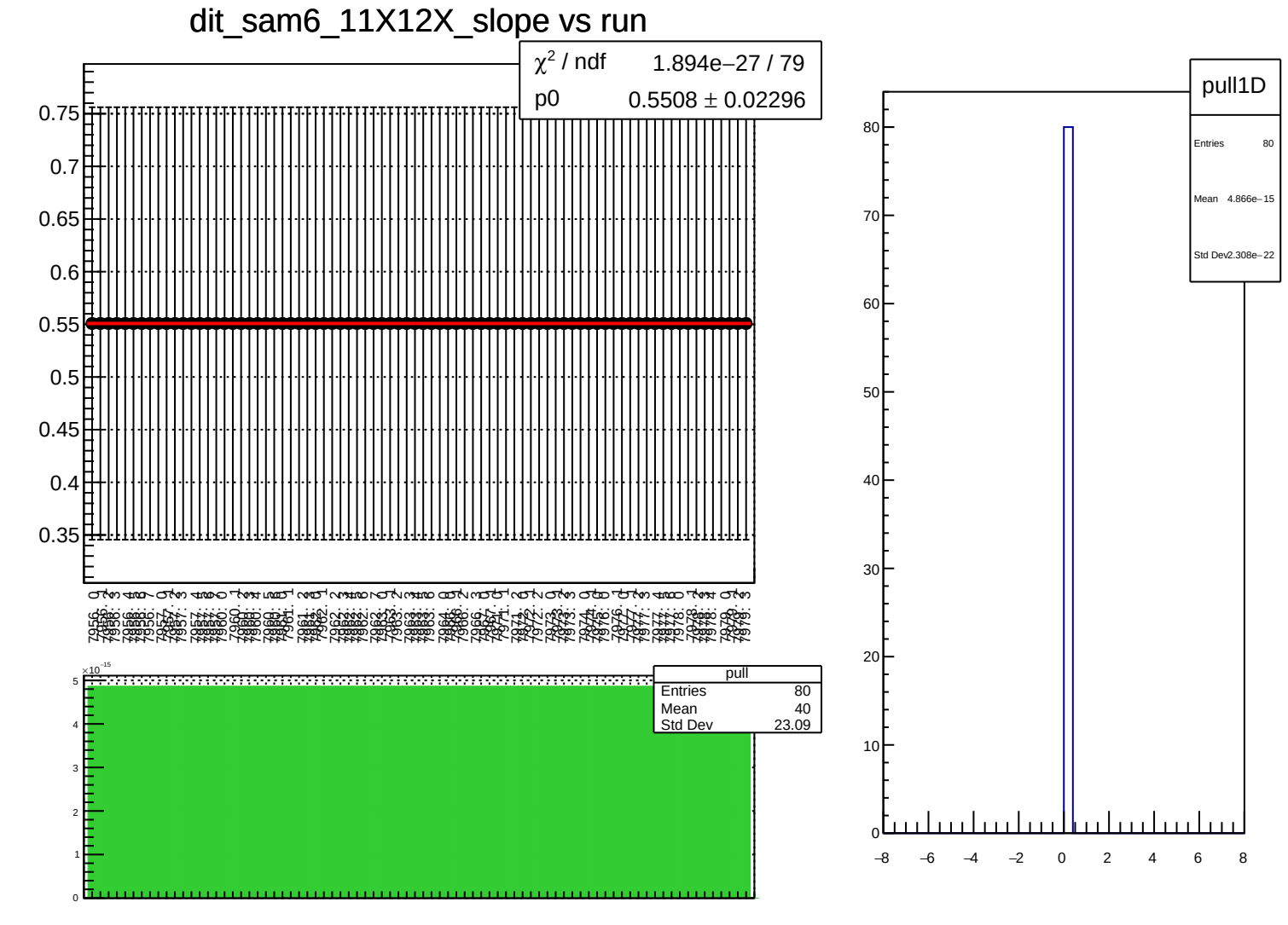

dit_sam5_4eY_slope vs run
χ² / ndf 6.234e−26 / 79
p0 131.7 ± 0.1138
132.5
132
131.5
131
130.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean −2.791e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

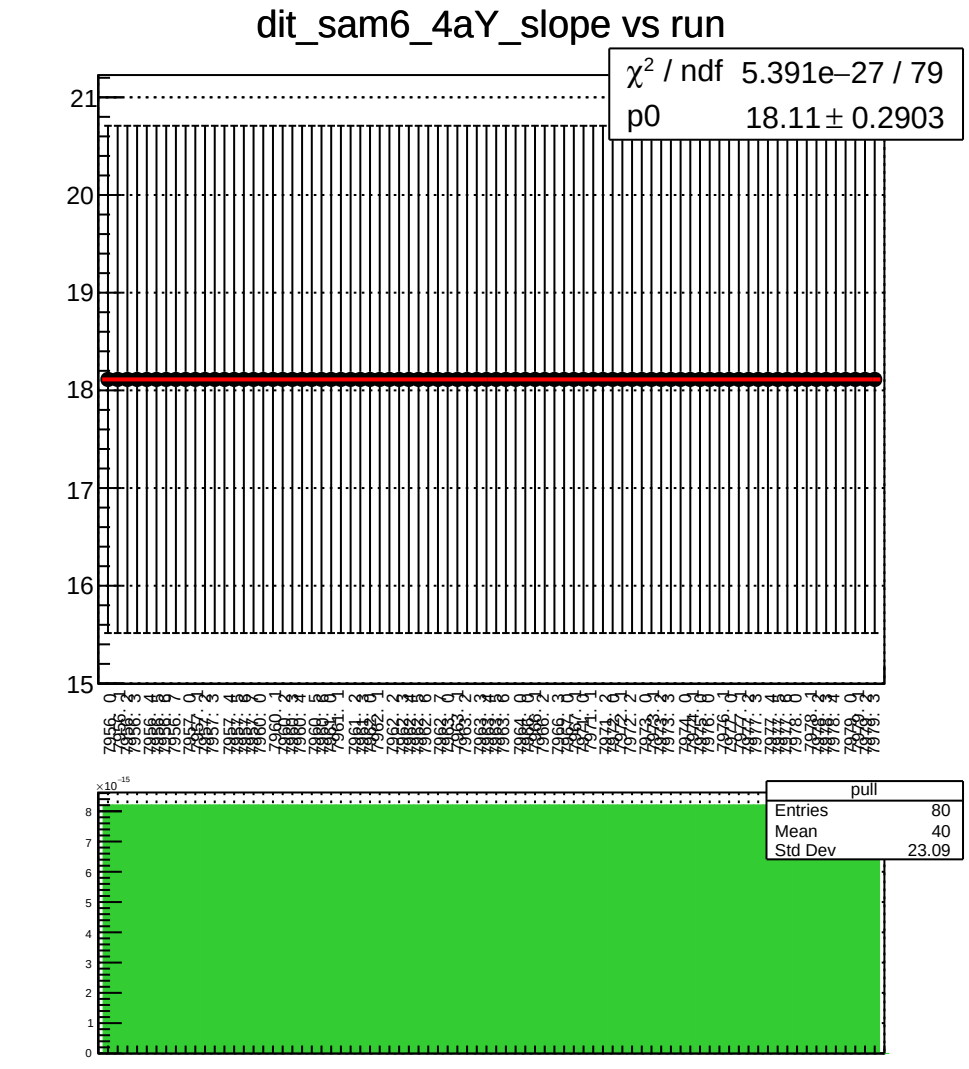

dit_sam6_4aX_slope vs run
χ^2 / ndf 1.539e−27 / 79
p0 14.34 ± 0.1359
15.5
15
14.5
14
13.5
13
pull
Entries 80
Mean 40
Std Dev 23.09
×10^-15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

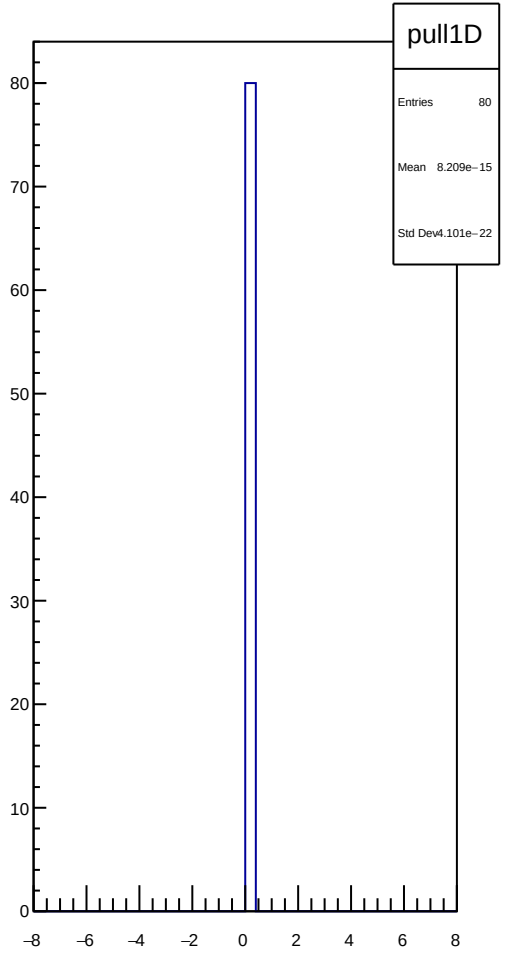

pull1D
Entries 80
Mean 4.386e−15
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

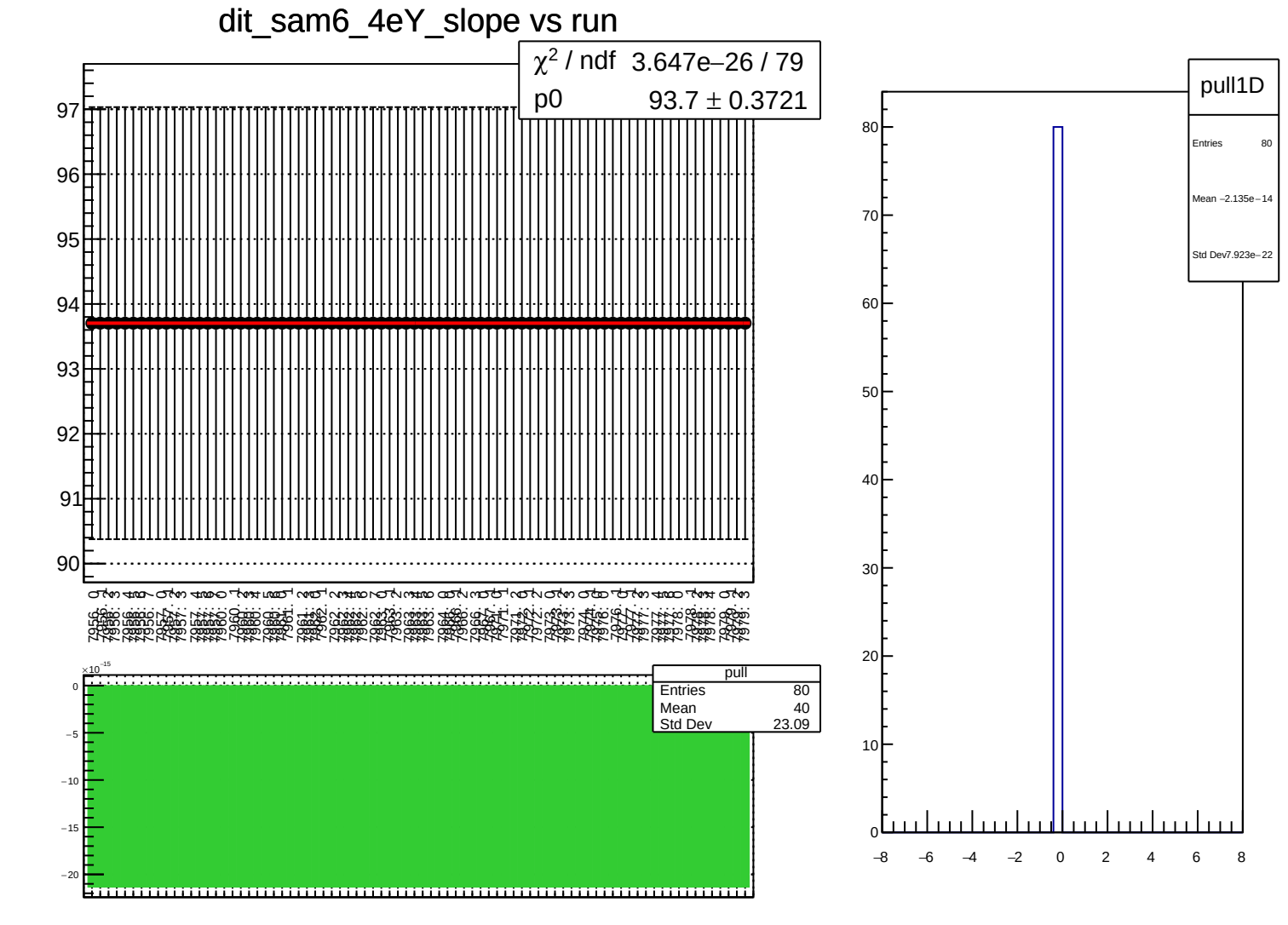

dit_sam6_4eX_slope vs run
χ² / ndf 8.421e−26 / 79
p0 46.24 ± 0.1714
48
47.5
47
46.5
46
45.5
45
44.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

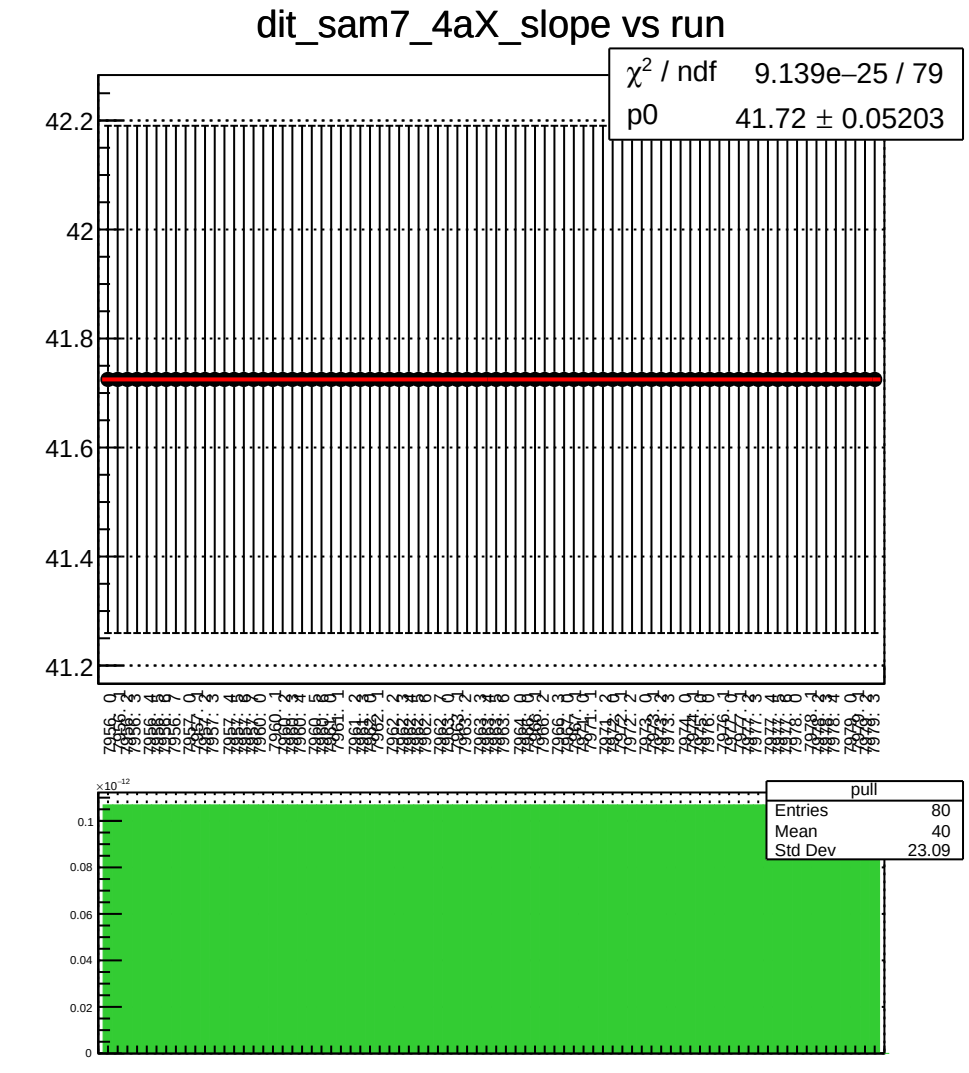

pull1D
Entries 80
Mean −3.244e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

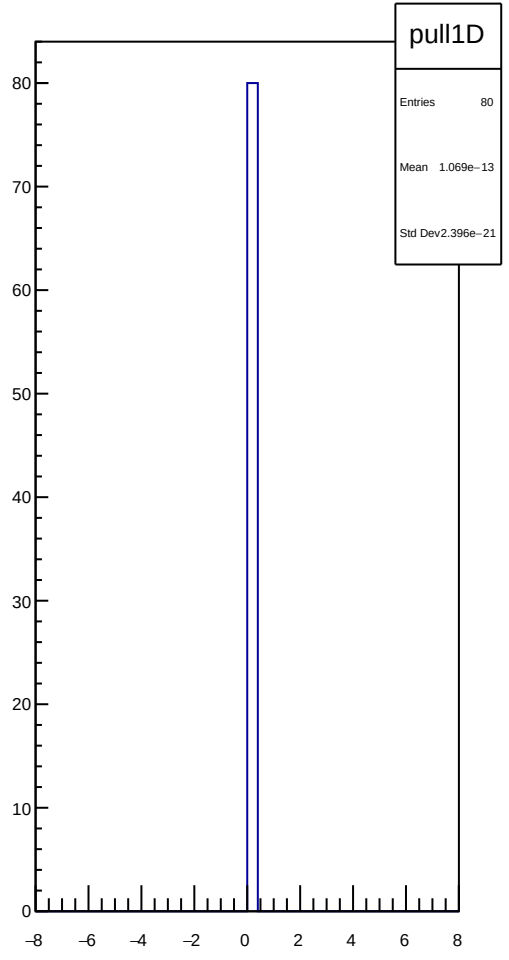

dit_sam6_11X12X_slope vs run
χ² / ndf 1.894e−27 / 79
p0 0.5508 ± 0.02296
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
5
4
3
2
1
0
pull1D
Entries 80
Mean 4.866e−15
Std Dev 2.308e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

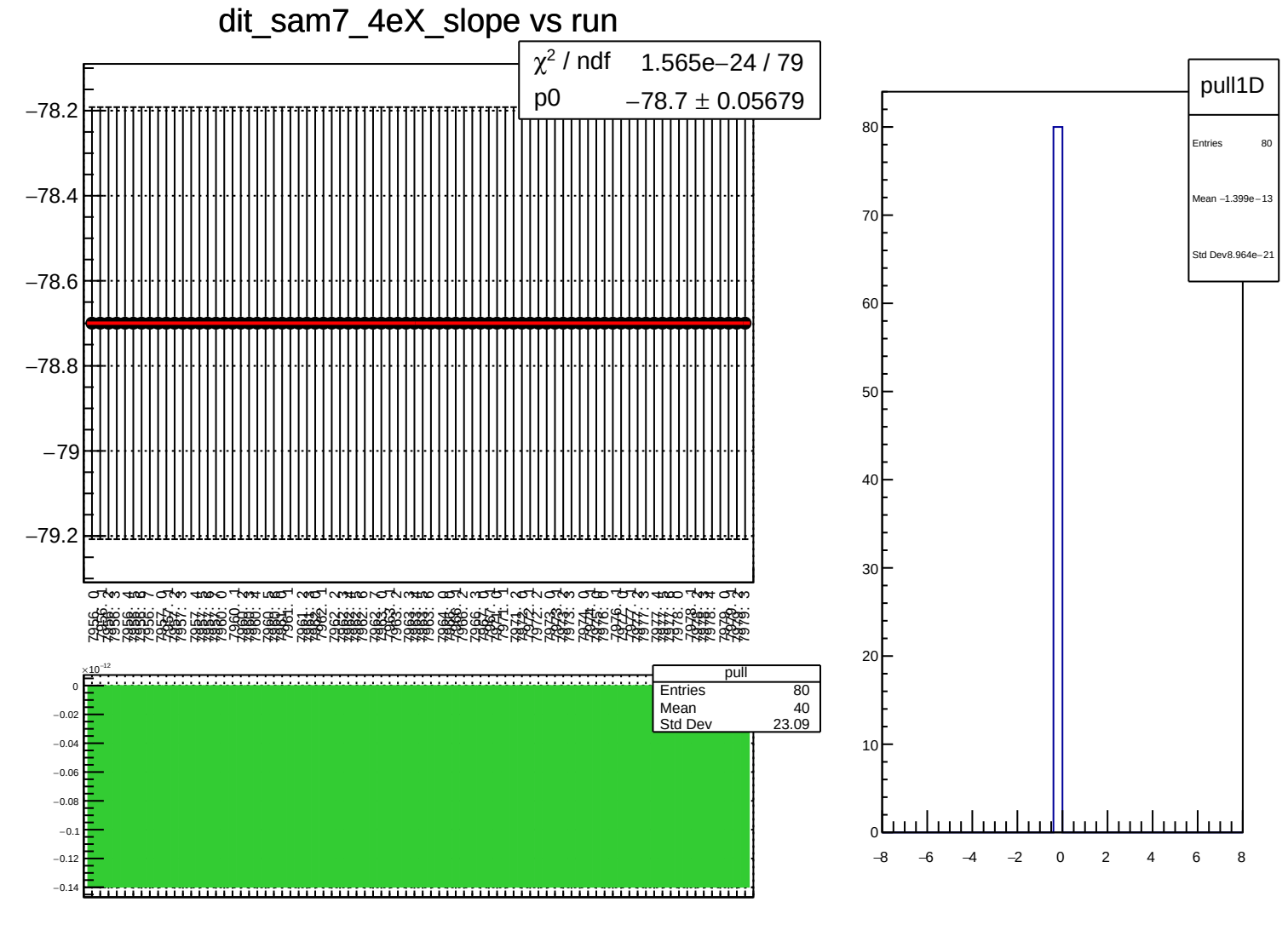

dit_sam6_4aY_slope vs run
χ² / ndf 5.391e−27 / 79
p0 18.11 ± 0.2903
pull
Entries 80
Mean 40
Std Dev 23.09

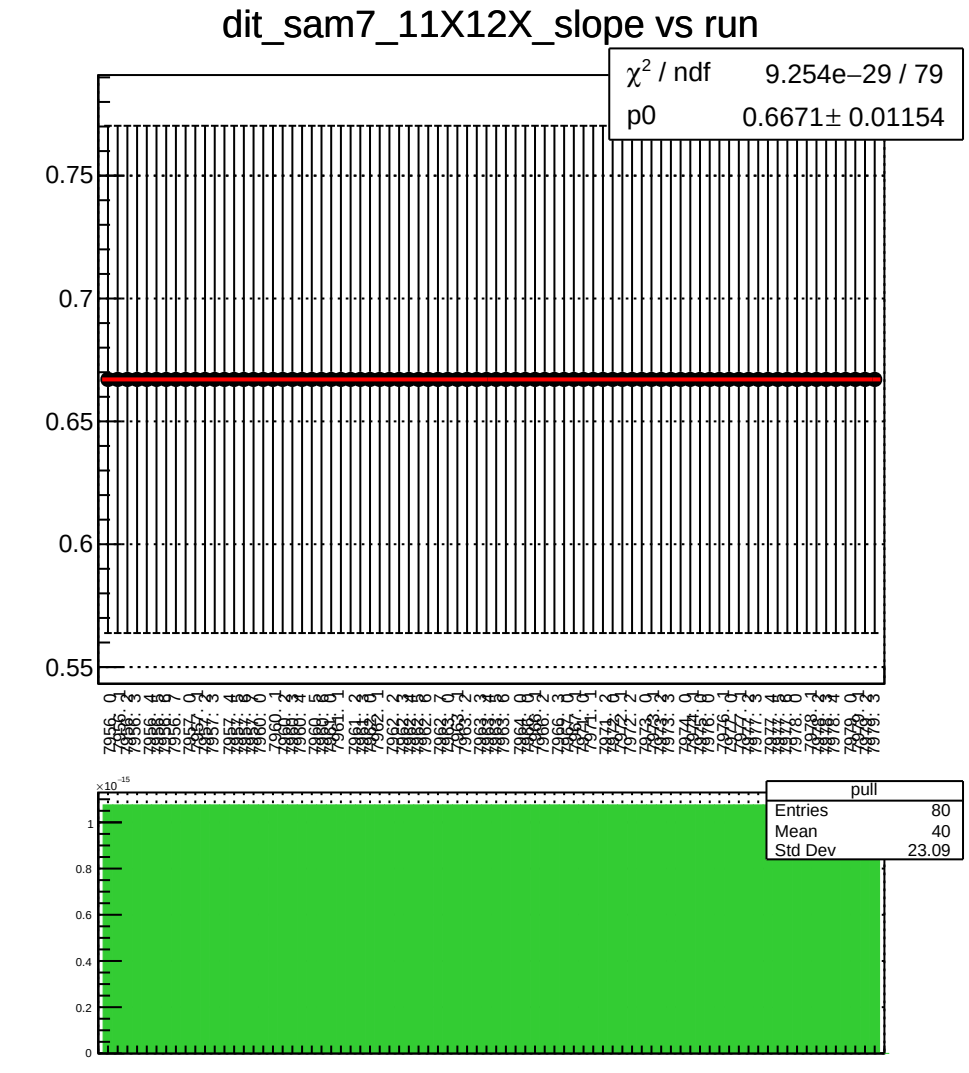

pull1D
Entries 80
Mean 8.209e−15
Std Dev4.101e−22

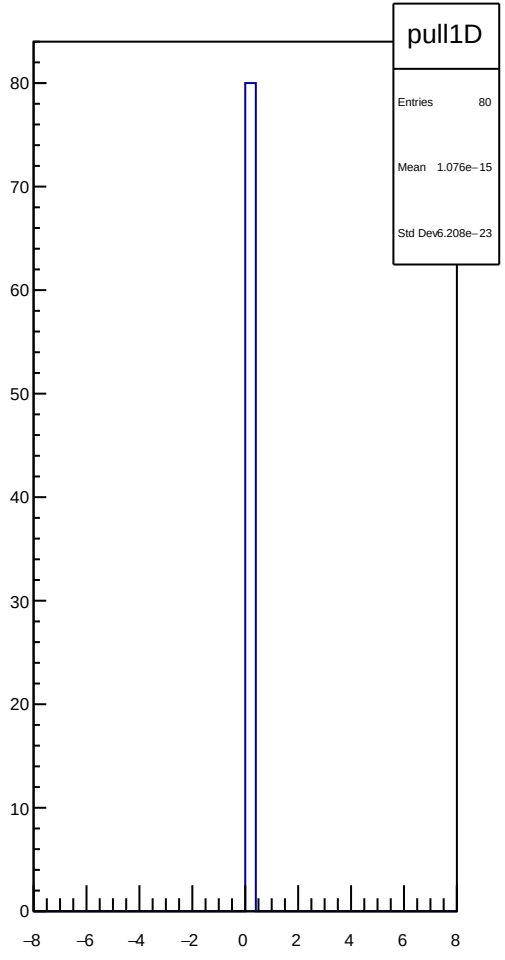

dit_sam6_4eY_slope vs run
χ² / ndf 3.647e−26 / 79
p0 93.7 ± 0.3721
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.135e−14
Std Dev7.923e−22

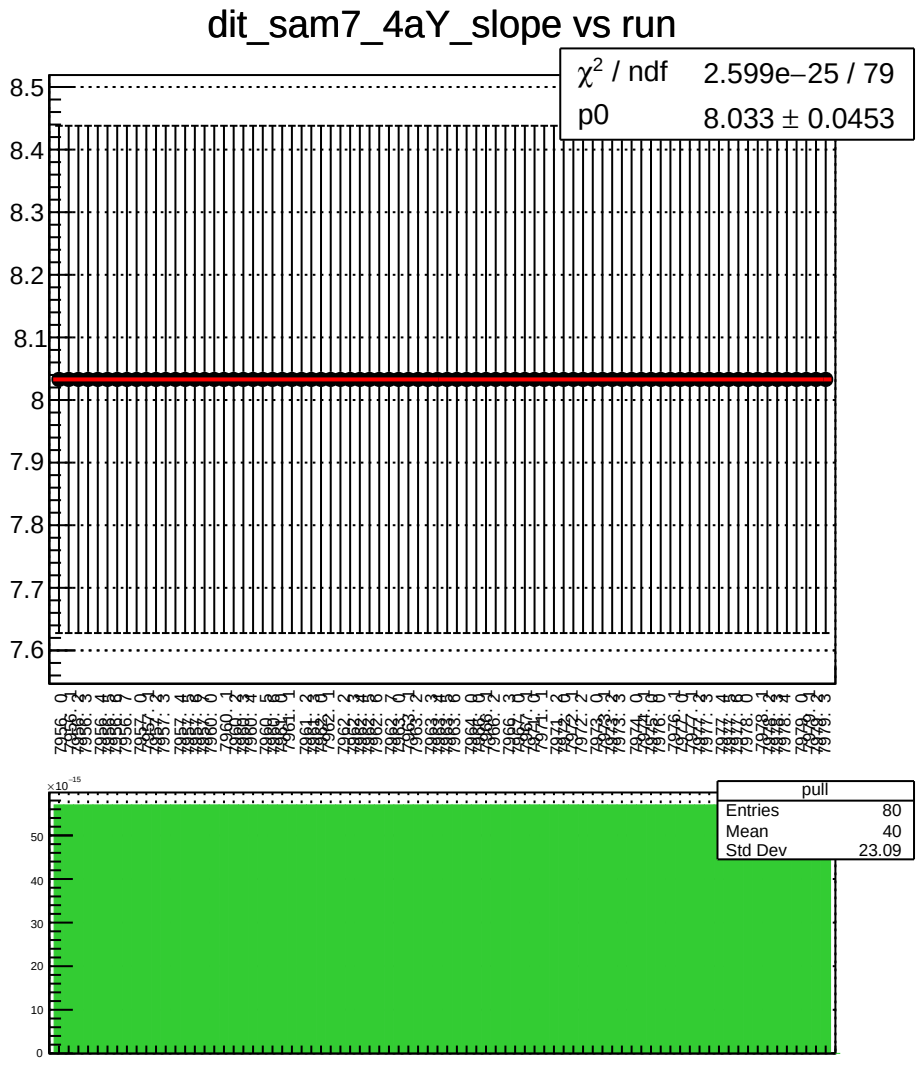

dit_sam7_4aX_slope vs run
χ^2 / ndf 9.139e−25 / 79
p0 41.72 ± 0.05203
42.2
42
41.8
41.6
41.4
41.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

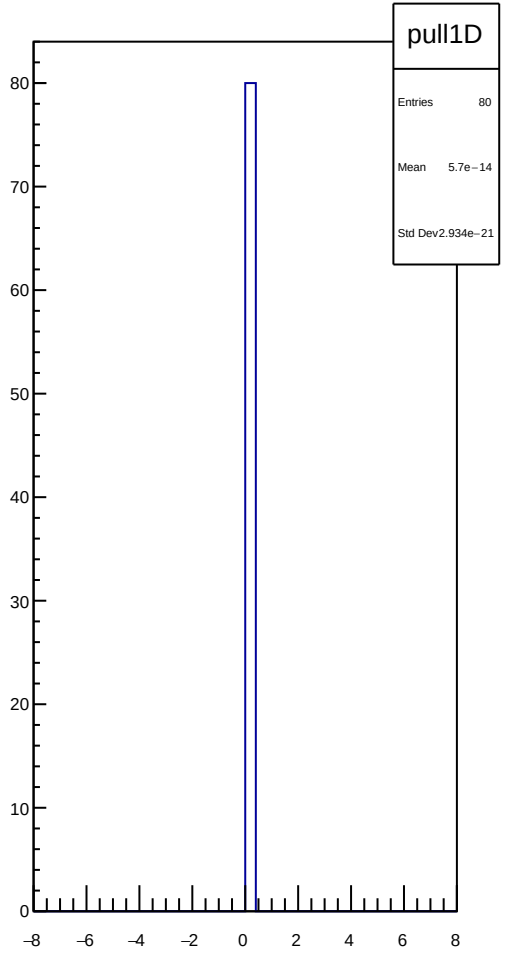

pull1D
Entries 80
Mean 1.069e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

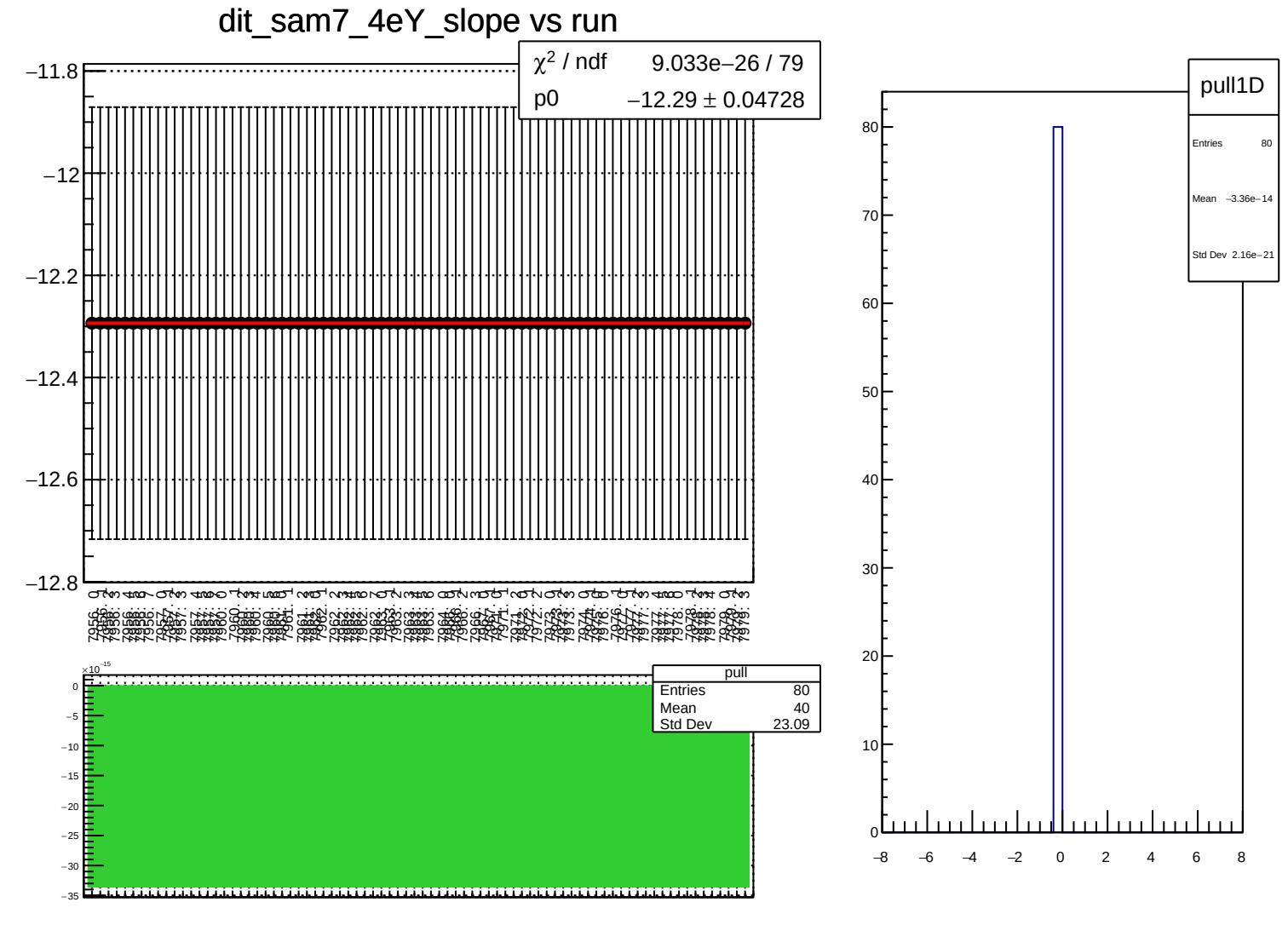

dit_sam7_4eX_slope vs run
χ^2 / ndf 1.565e−24 / 79
p0 −78.7 ± 0.05679
−78.2
−78.4
−78.6
−78.8
−79
−79.2
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 80
Mean −1.399e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

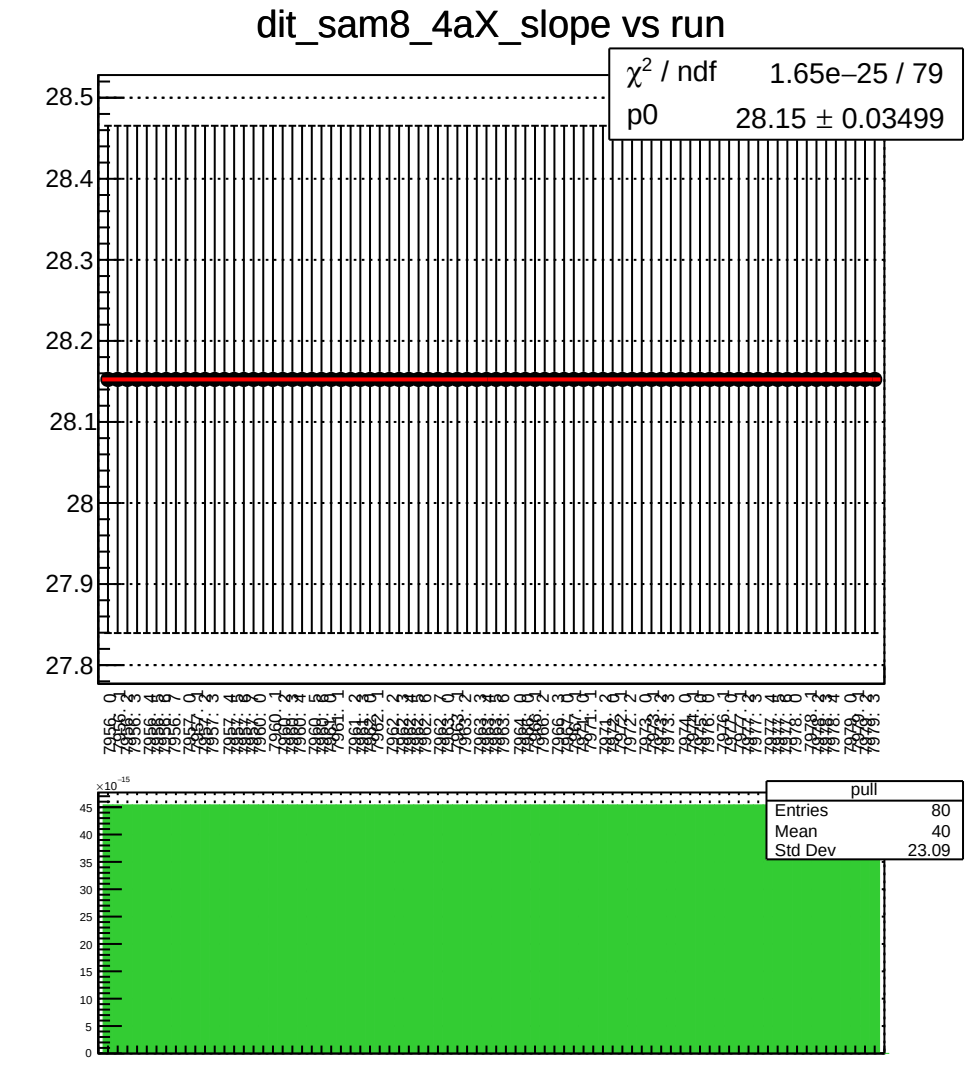

dit_sam7_11X12X_slope vs run
χ² / ndf 9.254e−29 / 79
p0 0.6671± 0.01154
0.75
0.7
0.65
0.6
0.55
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
1
0.8
0.6
0.4
0.2
0

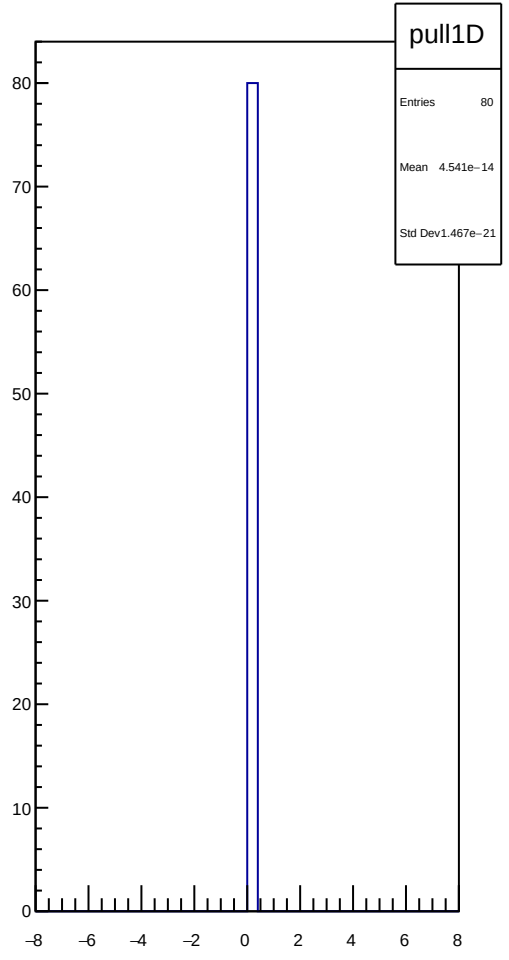

pull1D
Entries 80
Mean 1.076e−15
Std Dev 6.208e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

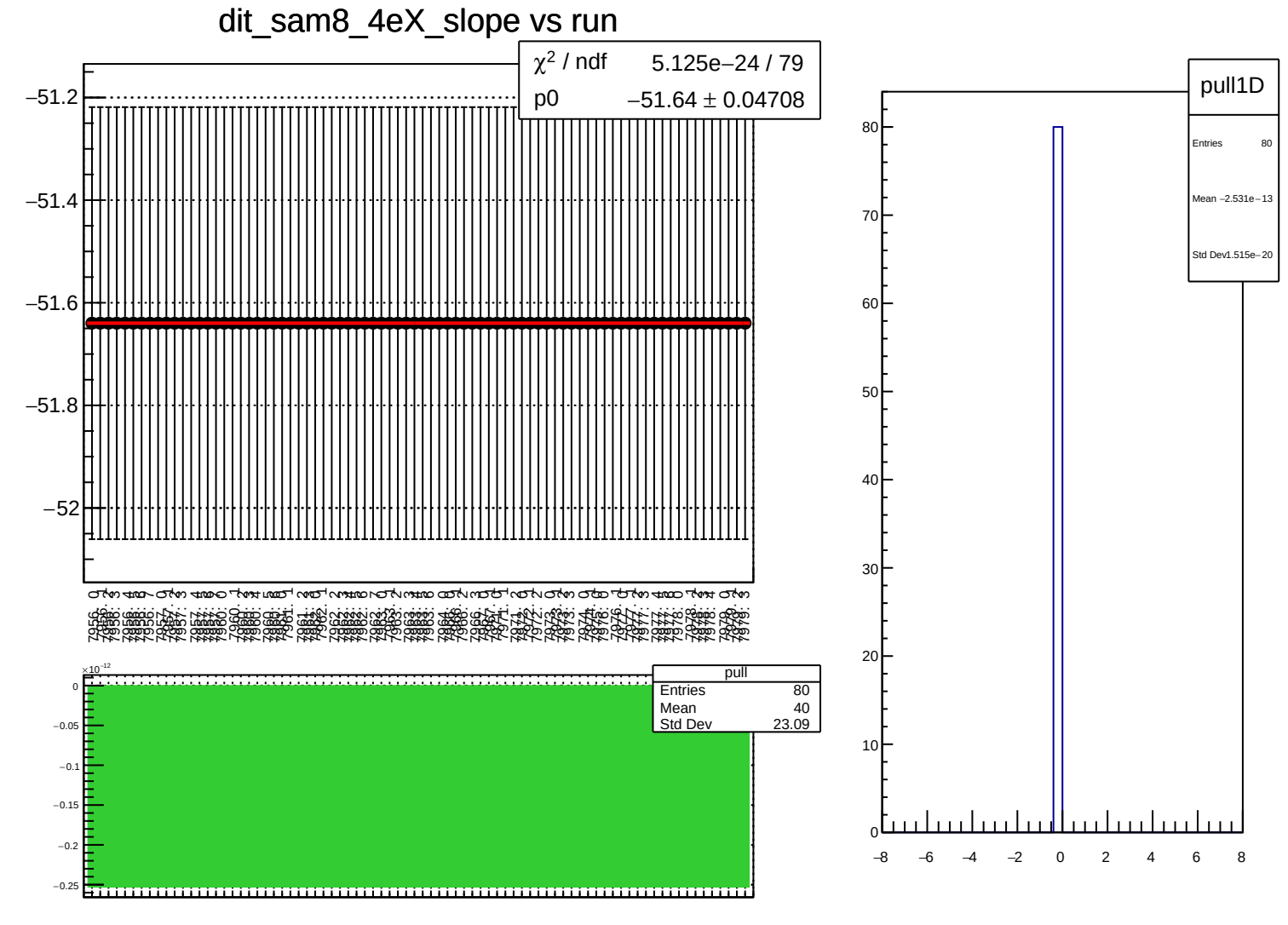

dit_sam7_4aY_slope vs run
χ² / ndf 2.599e−25 / 79
p0 8.033 ± 0.0453
pull
Entries 80
Mean 40
Std Dev 23.09

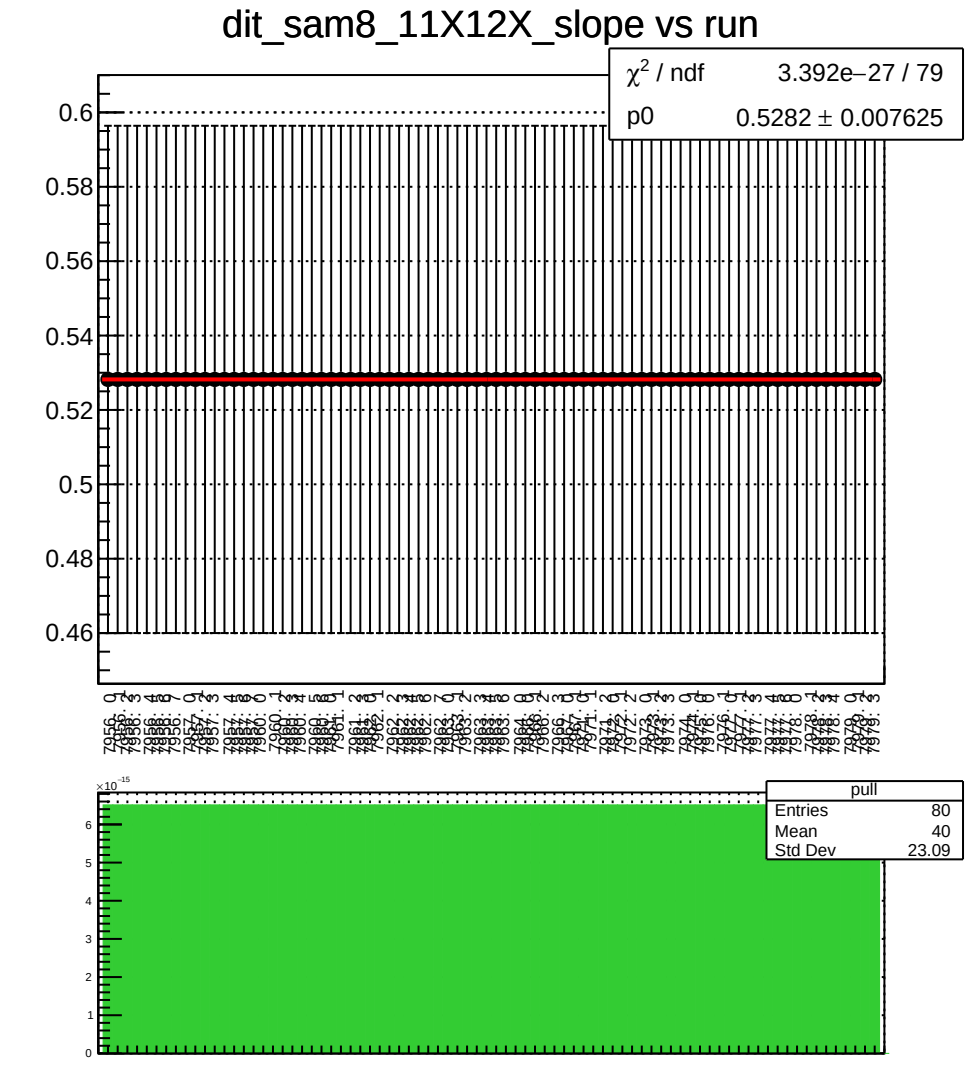

pull1D
Entries 80
Mean 5.7e−14
Std Dev2.934e−21

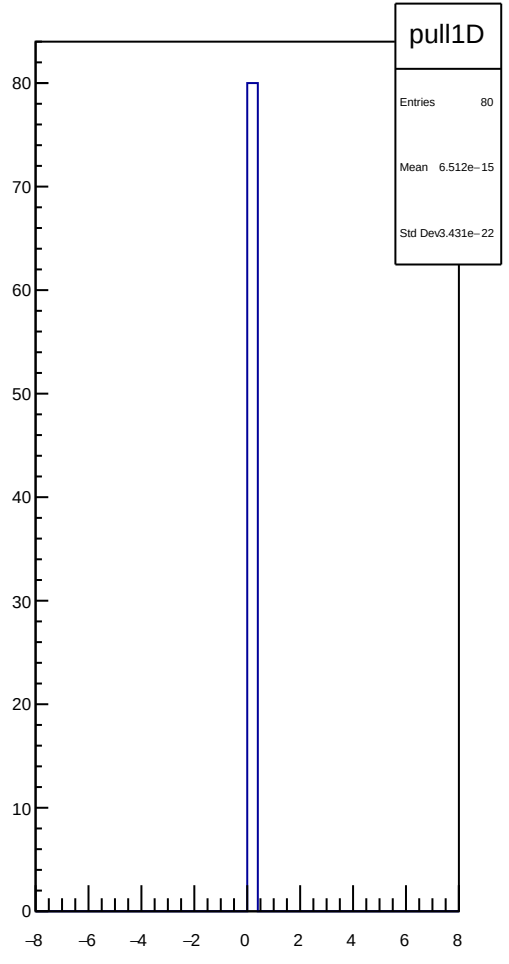

dit_sam7_4eY_slope vs run
χ² / ndf 9.033e−26 / 79
p0 −12.29 ± 0.04728
−11.8
−12
−12.2
−12.4
−12.6
−12.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 80
Mean −3.36e−14
Std Dev 2.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

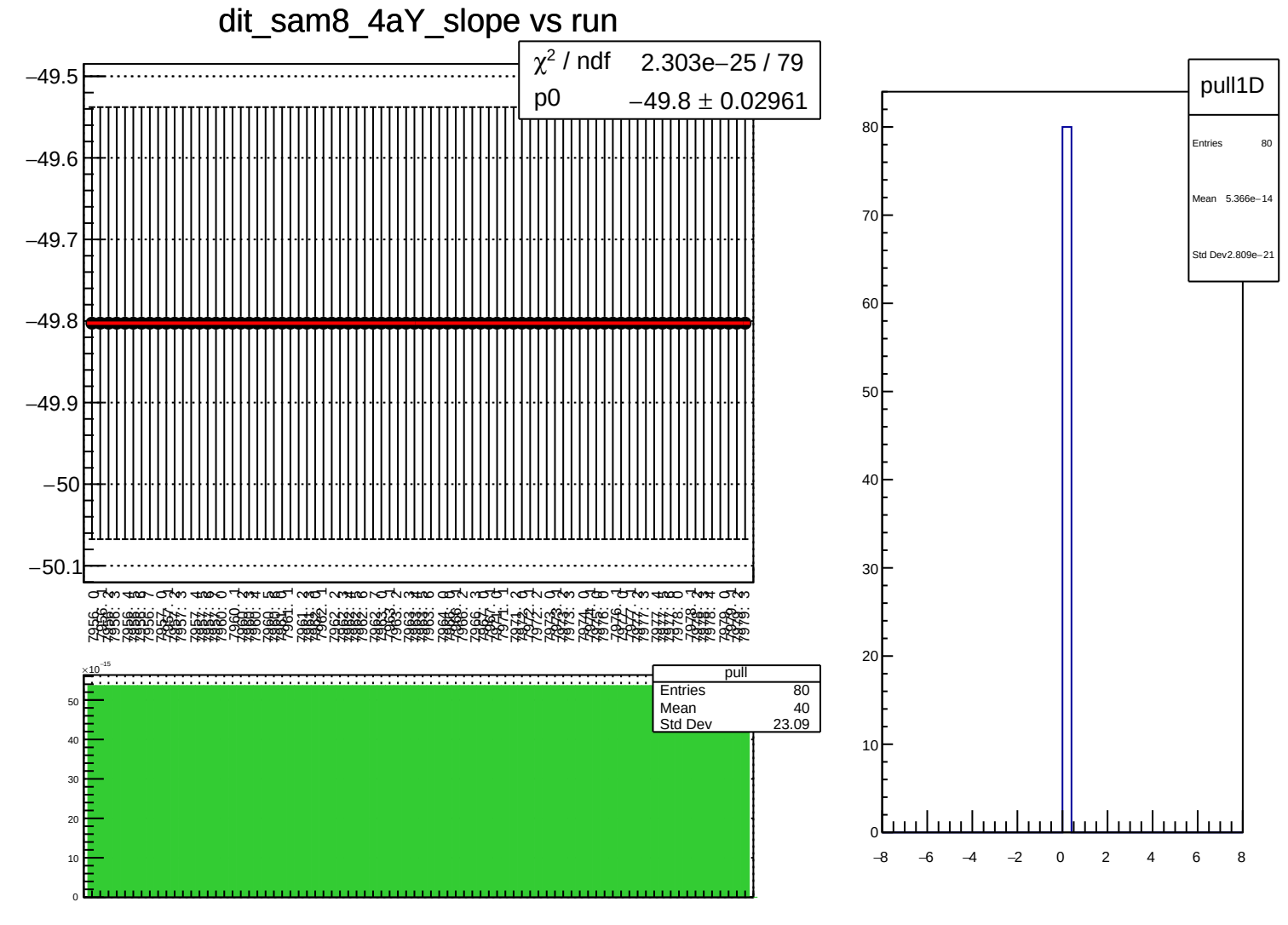

dit_sam8_4aX_slope vs run
χ² / ndf 1.65e−25 / 79
p0 28.15 ± 0.03499
28.5
28.4
28.3
28.2
28.1
28
27.9
27.8
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

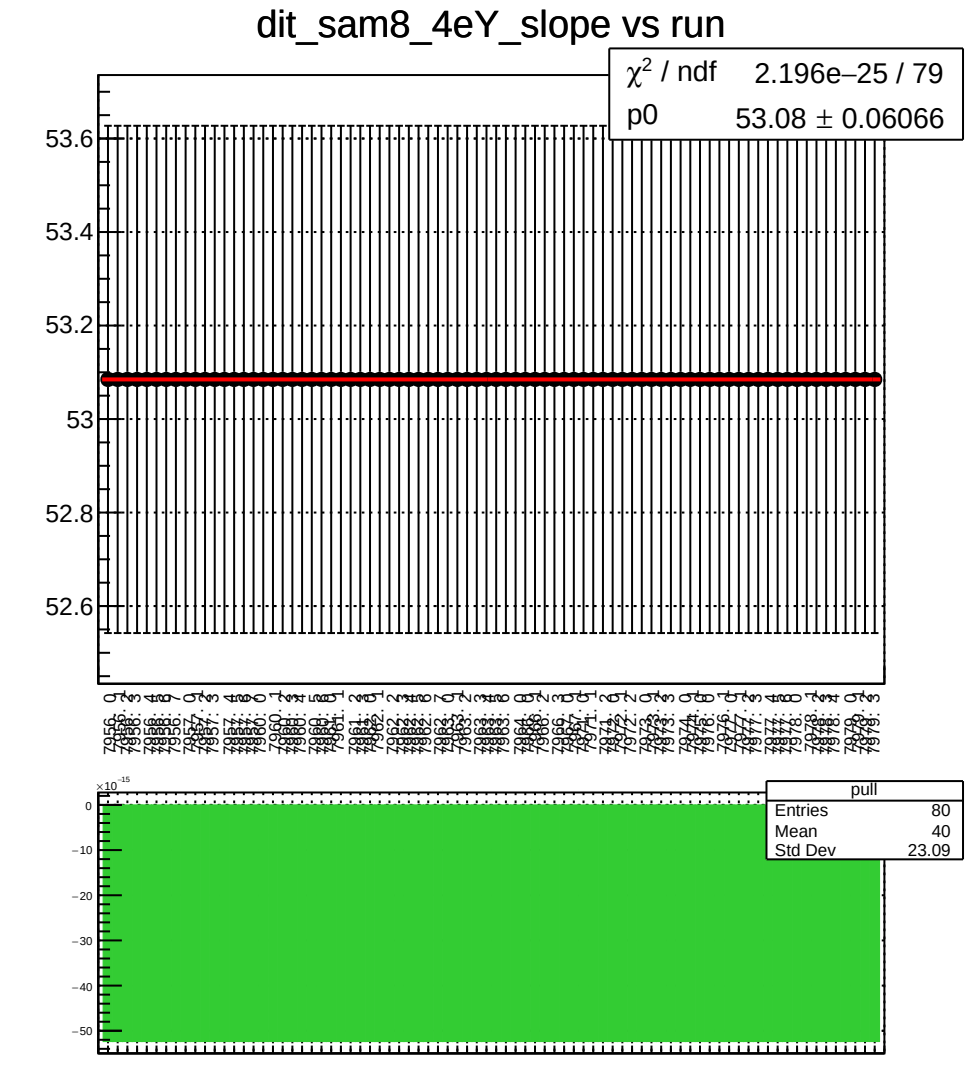

pull1D
Entries 80
Mean 4.541e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

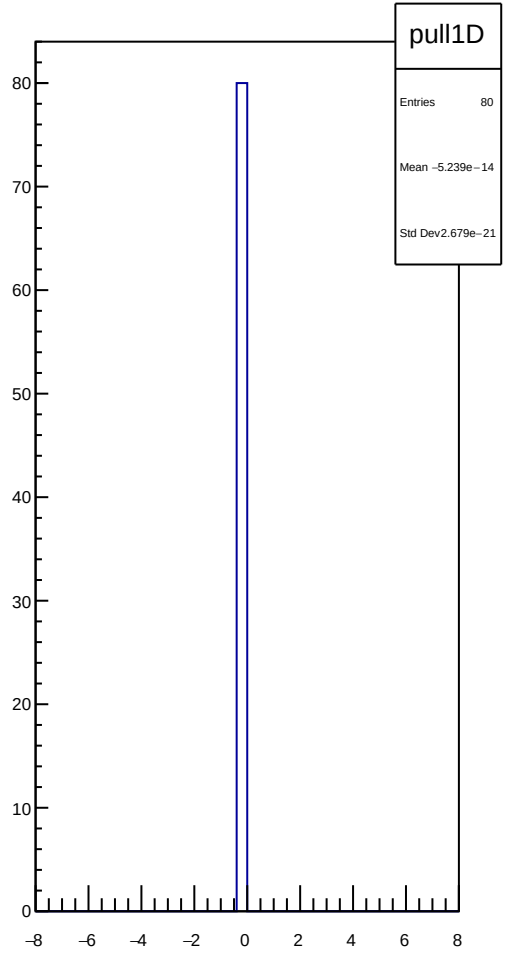

dit_sam8_4eX_slope vs run
χ² / ndf 5.125e−24 / 79
p0 −51.64 ± 0.04708
−51.2
−51.4
−51.6
−51.8
−52
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 80
Mean −2.531e−13
Std Dev1.515e−20
80
70
60
50
40
30
20
10
0
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−6
−4
−2
0
2
4
6
8

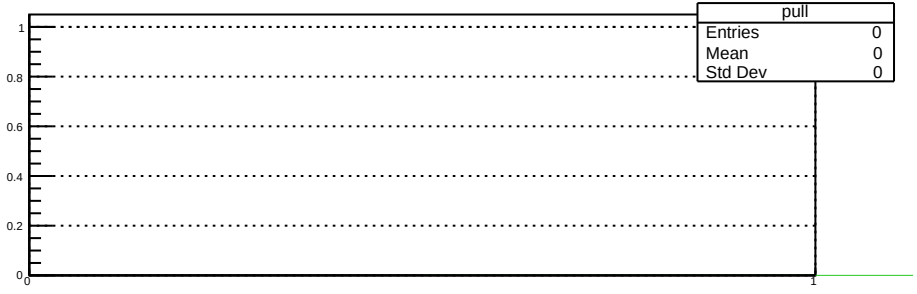

dit_sam8_11X12X_slope vs run
χ² / ndf 3.392e−27 / 79
p0 0.5282 ± 0.007625
0.6
0.58
0.56
0.54
0.52
0.5
0.48
0.46
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
6
5
4
3
2
1
0

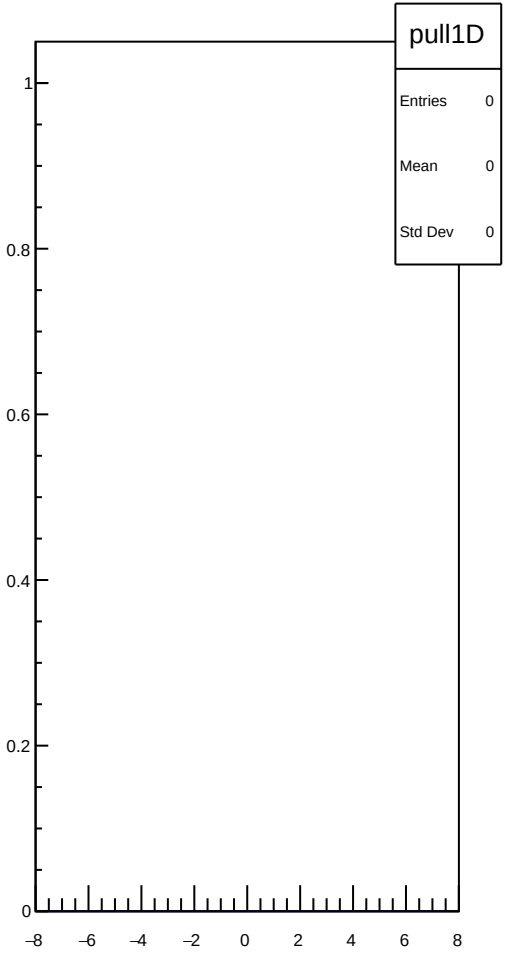

pull1D
Entries 80
Mean 6.512e−15
Std Dev 3.431e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

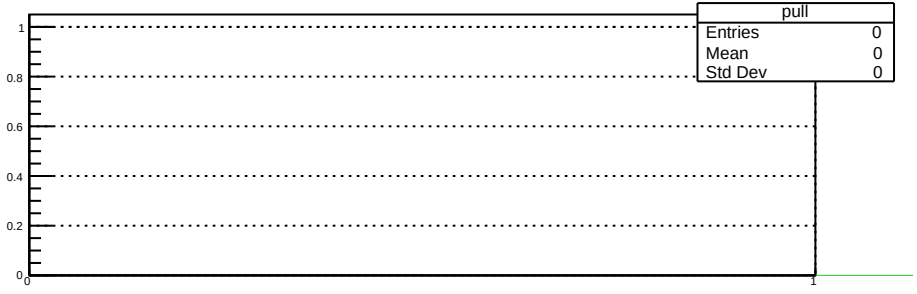

dit_sam8_4aY_slope vs run
χ^2 / ndf 2.303e−25 / 79
p0 −49.8 ± 0.02961
−49.5
−49.6
−49.7
−49.8
−49.9
−50
−50.1
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 5.366e−14
Std Dev 2.809e−21

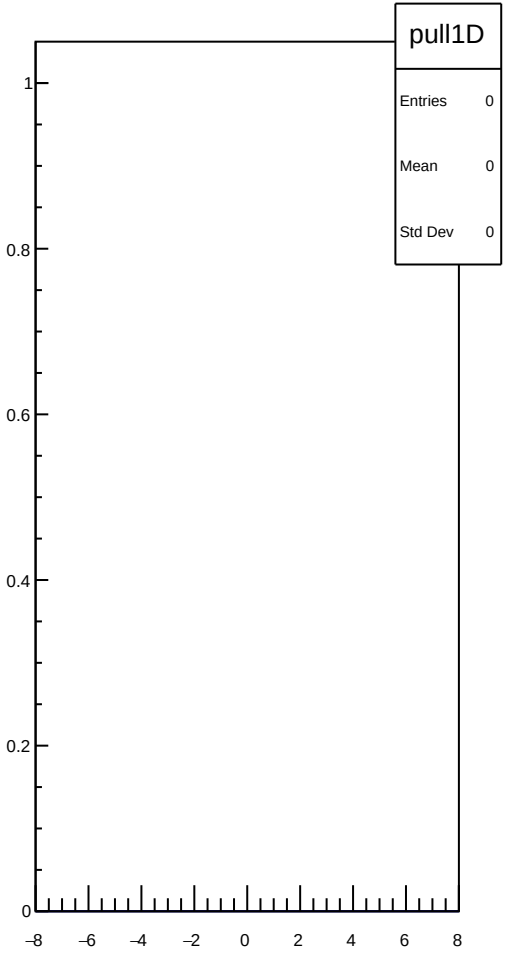

dit_sam8_4eY_slope vs run
χ² / ndf 2.196e−25 / 79
p0 53.08 ± 0.06066
53.6
53.4
53.2
53
52.8
52.6
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−10
−20
−30
−40
−50

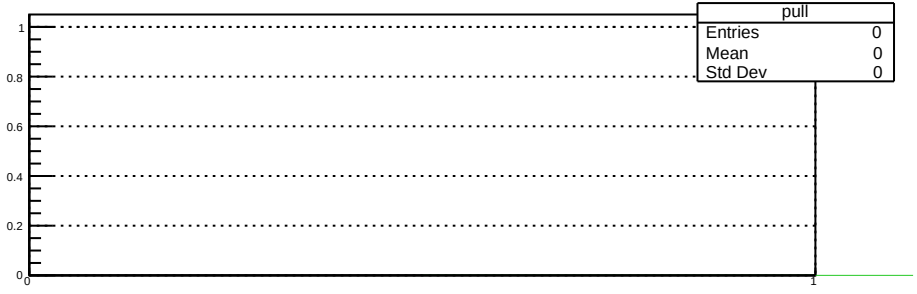

pull1D
Entries 80
Mean −5.239e−14
Std Dev2.679e−21
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50
40
30
20
10
0
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0
2
4
6
8

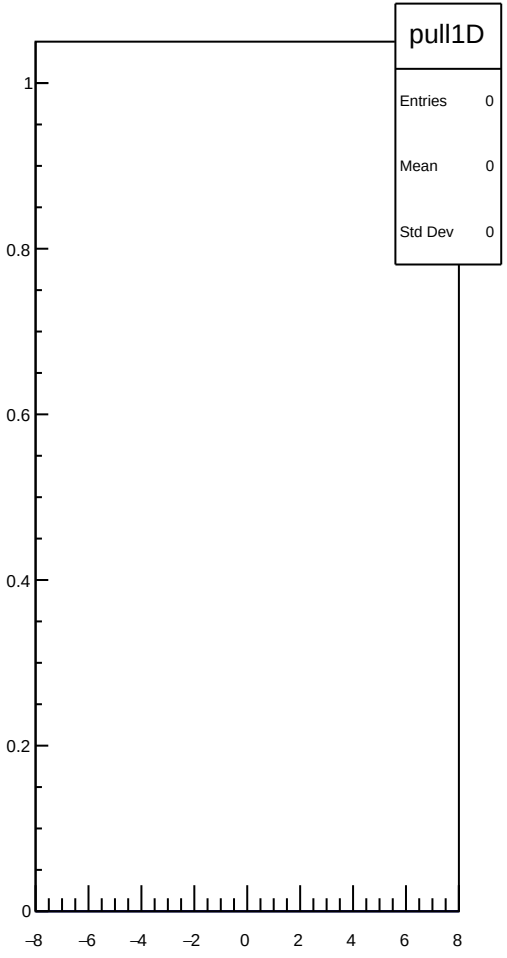

pull
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Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
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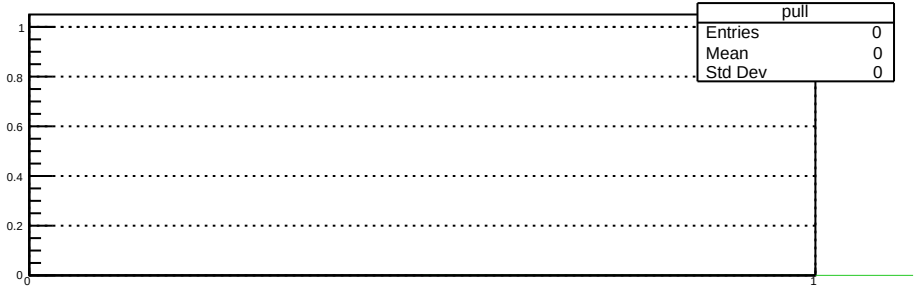

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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4
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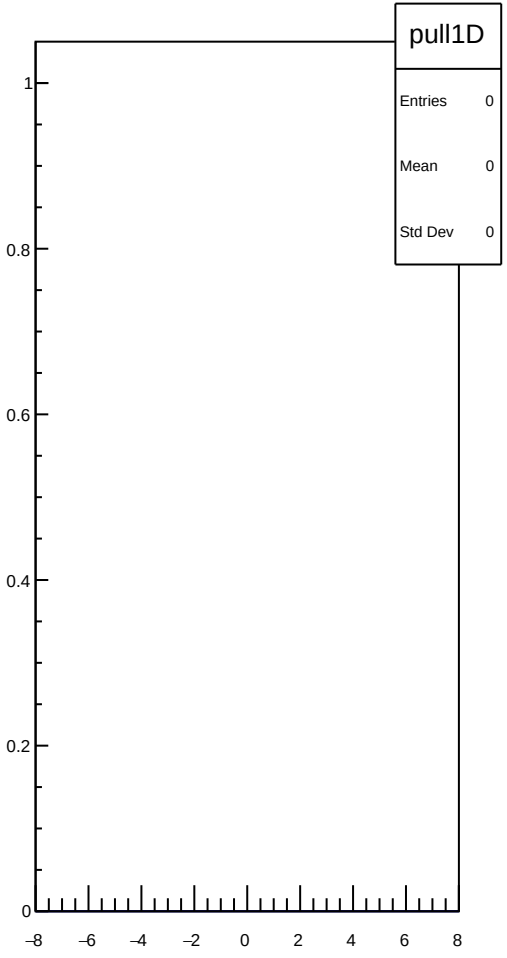

pull
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Mean 0
Std Dev 0
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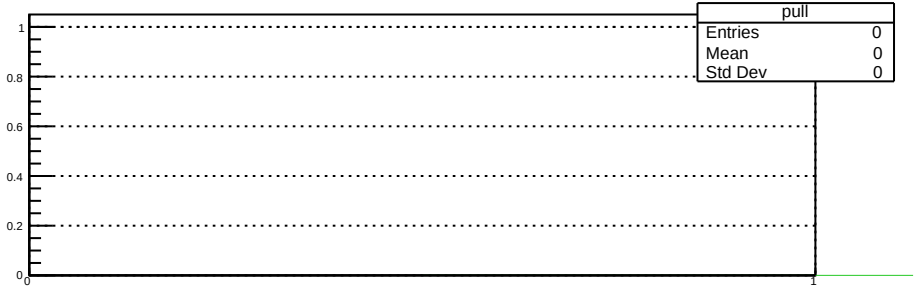

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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2
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6
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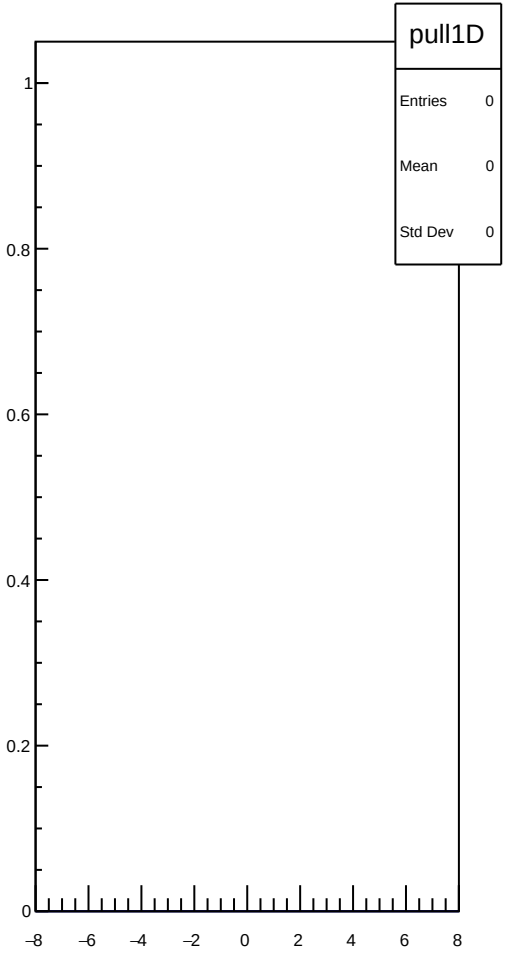

pull
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Std Dev 0
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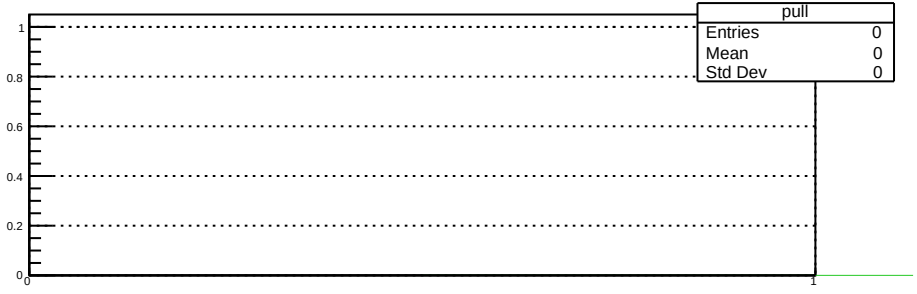

pull1D
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Mean 0
Std Dev 0
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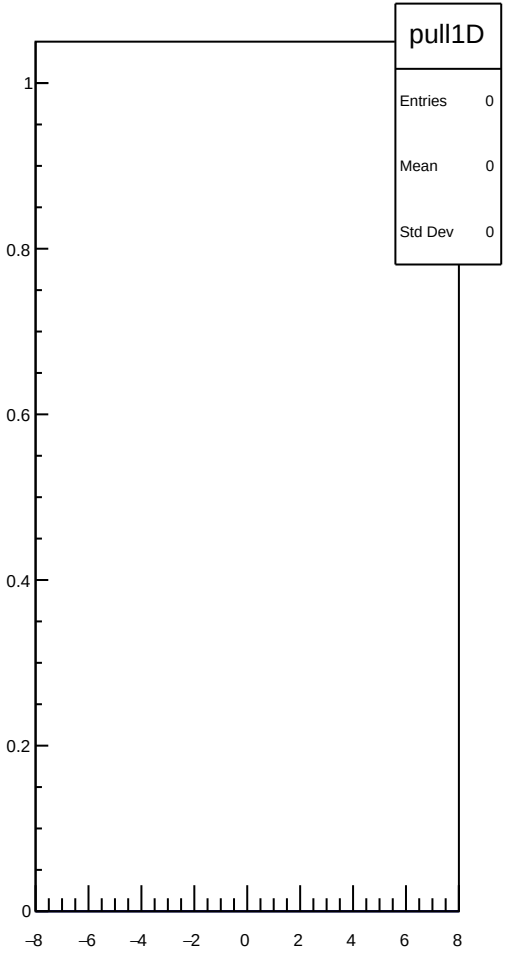

pull
Entries 0
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Std Dev 0
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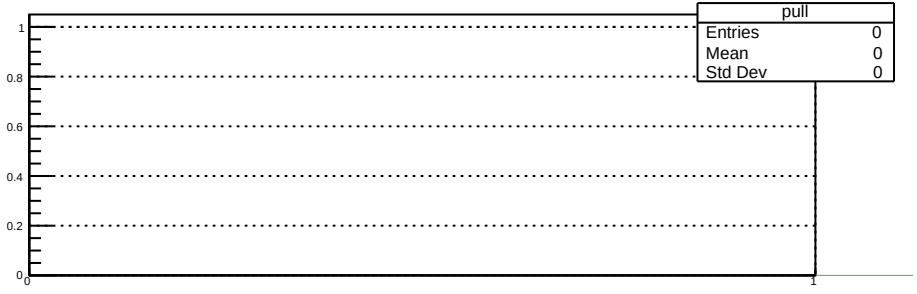

pull1D
Entries 0
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Std Dev 0
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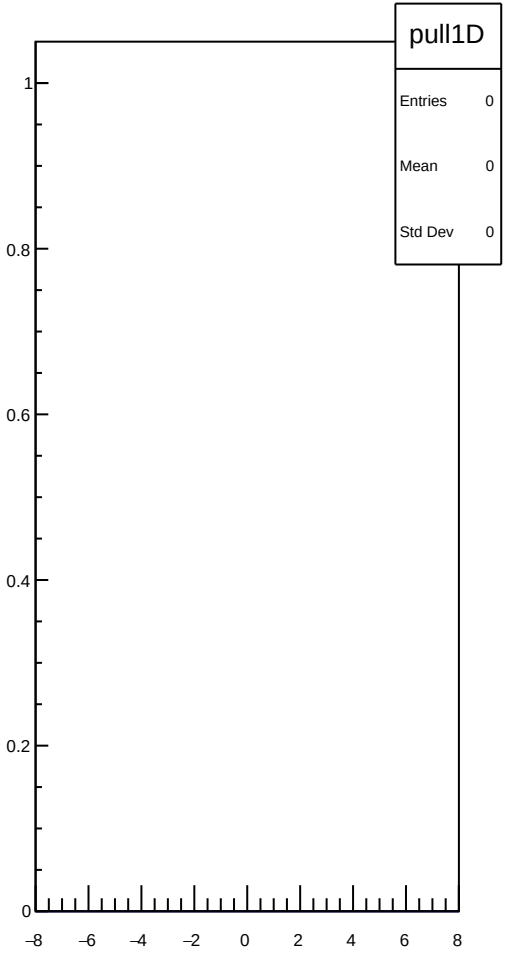

pull
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Std Dev 0
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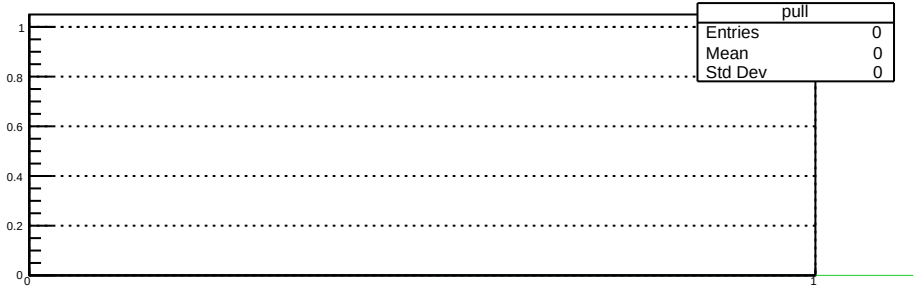

pull1D
Entries 0
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Std Dev 0
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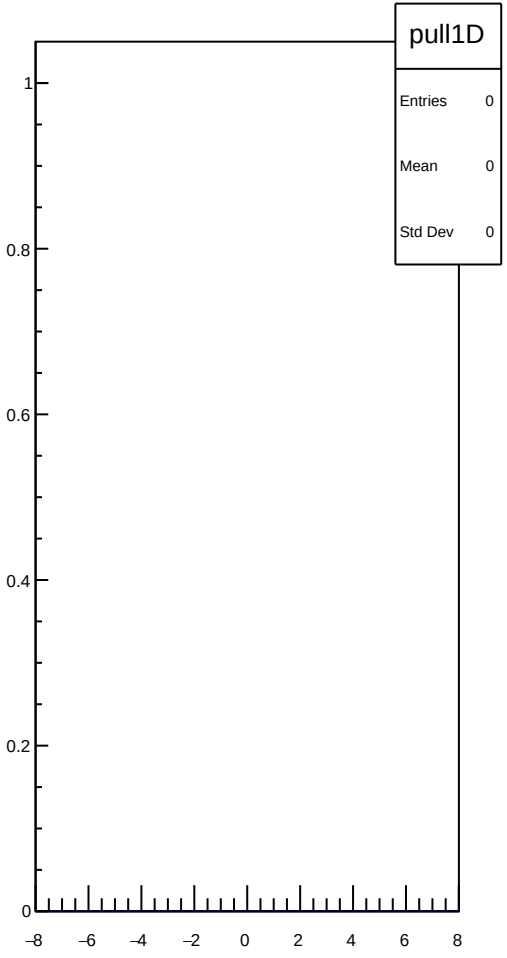

pull
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Std Dev 0
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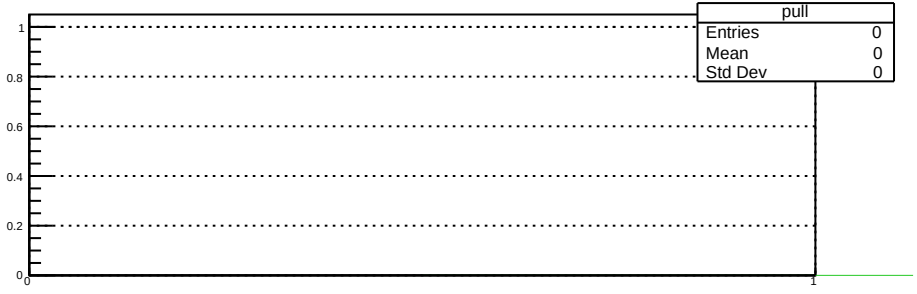

pull1D
Entries 0
Mean 0
Std Dev 0
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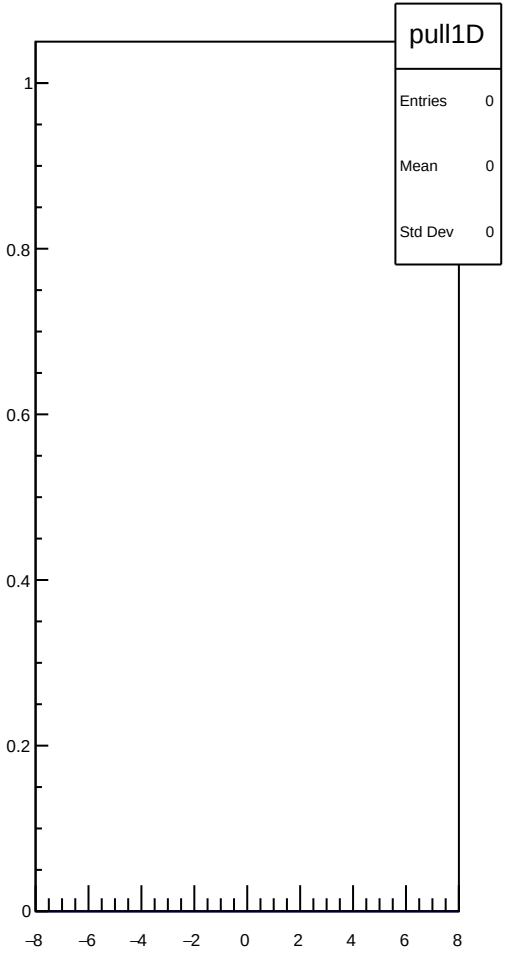

pull
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Std Dev 0
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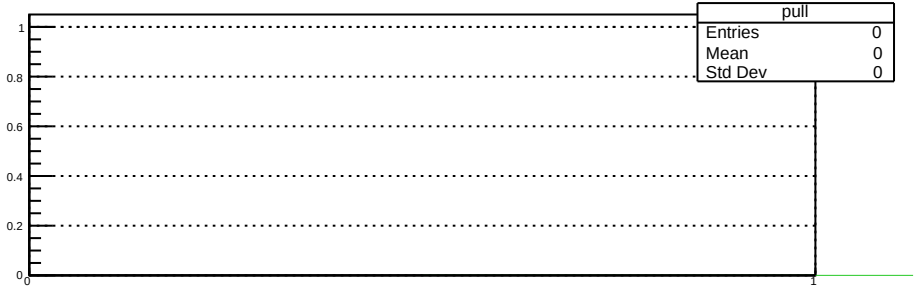

pull1D
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Std Dev 0
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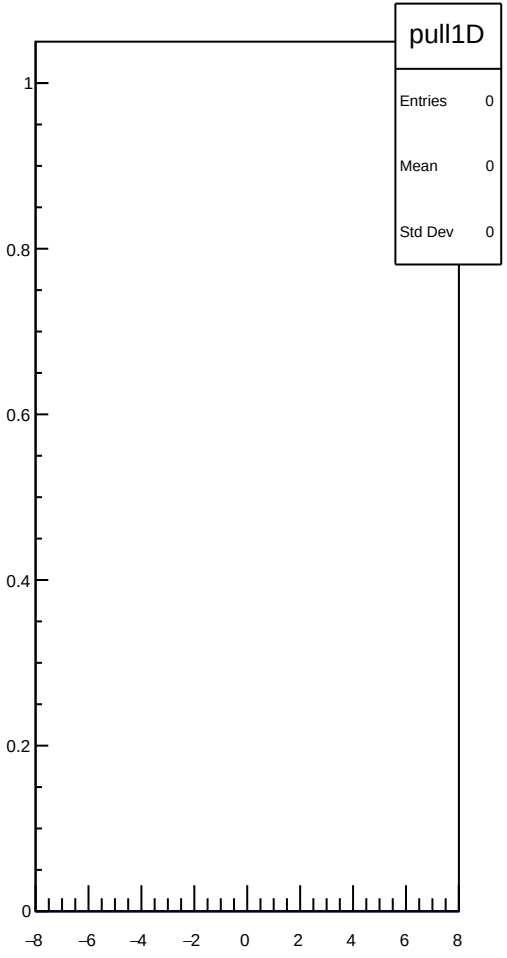

pull
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Std Dev 0
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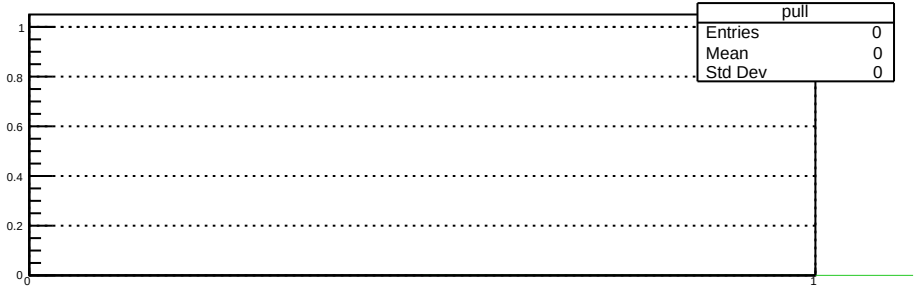

pull1D
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Std Dev 0
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6
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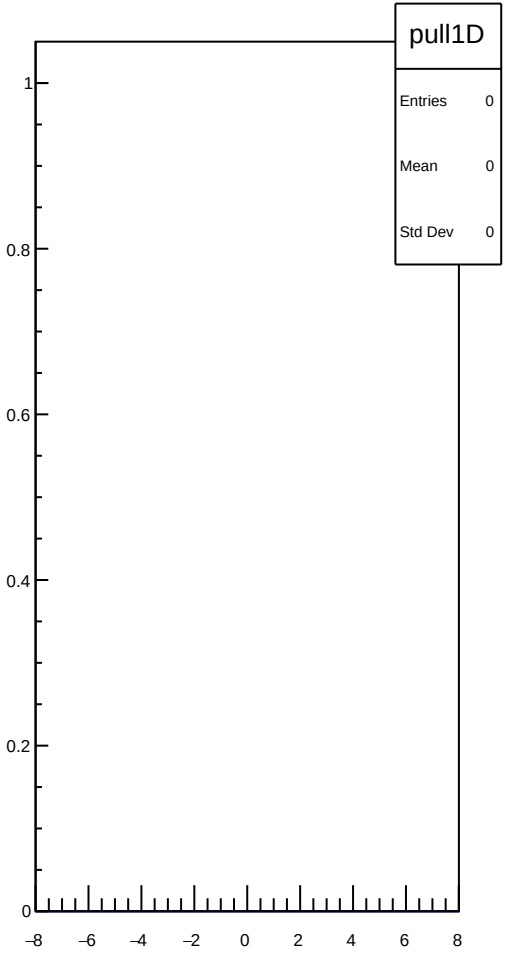

pull
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Std Dev 0
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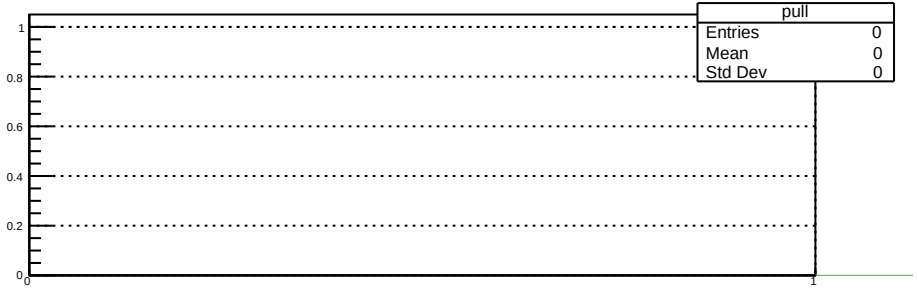

pull1D
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Std Dev 0
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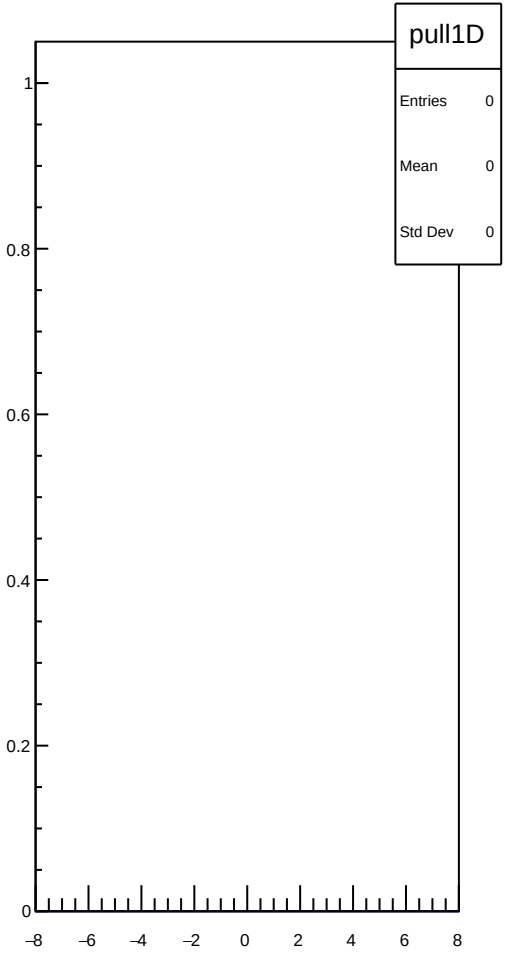

pull
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Std Dev 0
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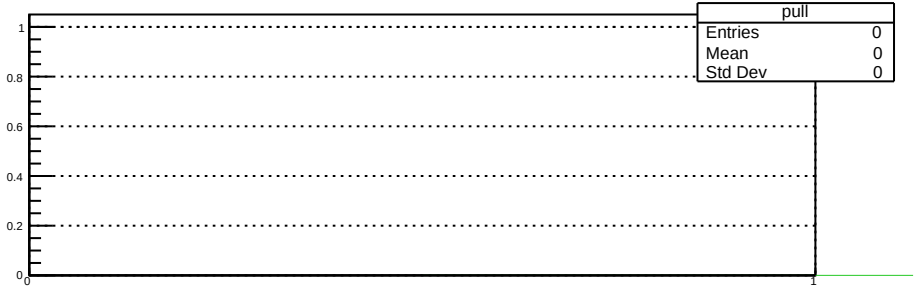

pull1D
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Std Dev 0
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0.4
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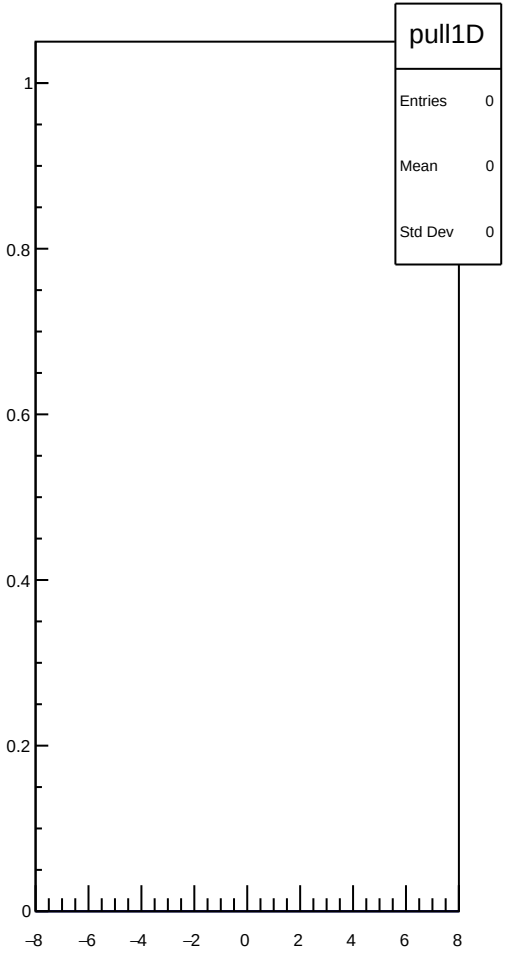

pull
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Std Dev 0
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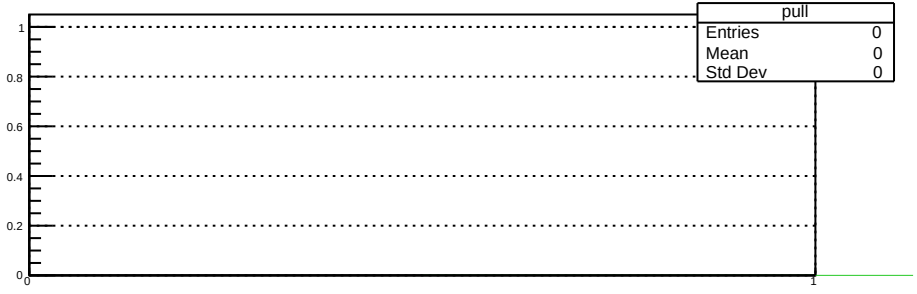

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
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2
4
6
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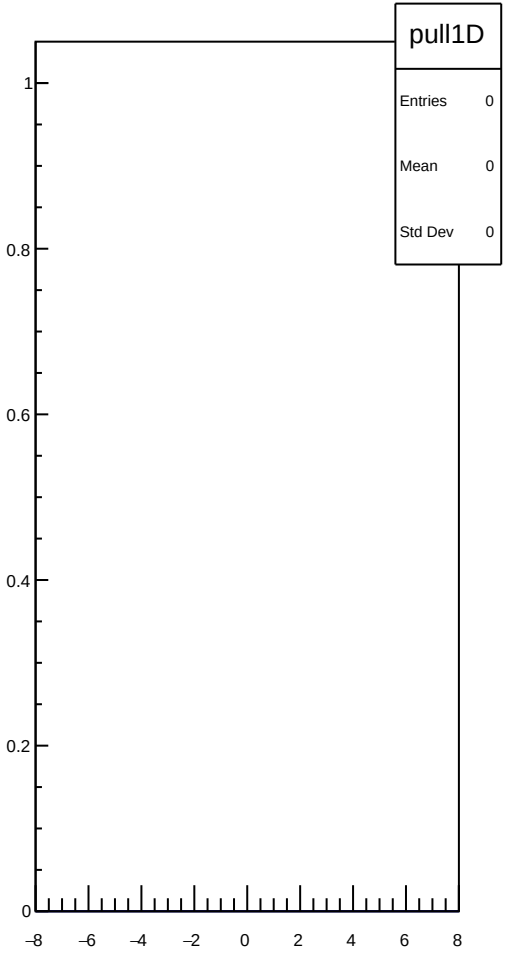

pull
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Std Dev 0
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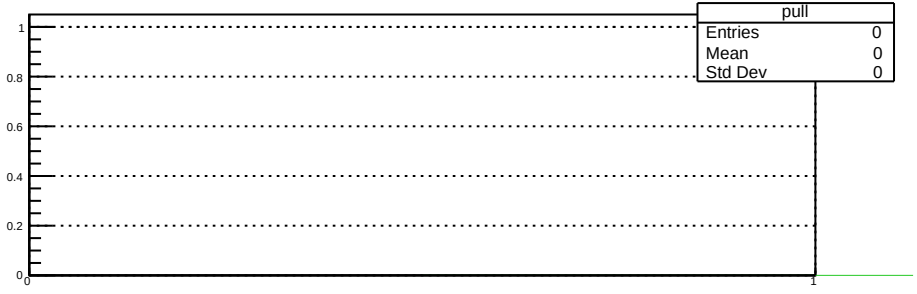

pull1D
Entries 0
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Std Dev 0
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0.4
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2
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6
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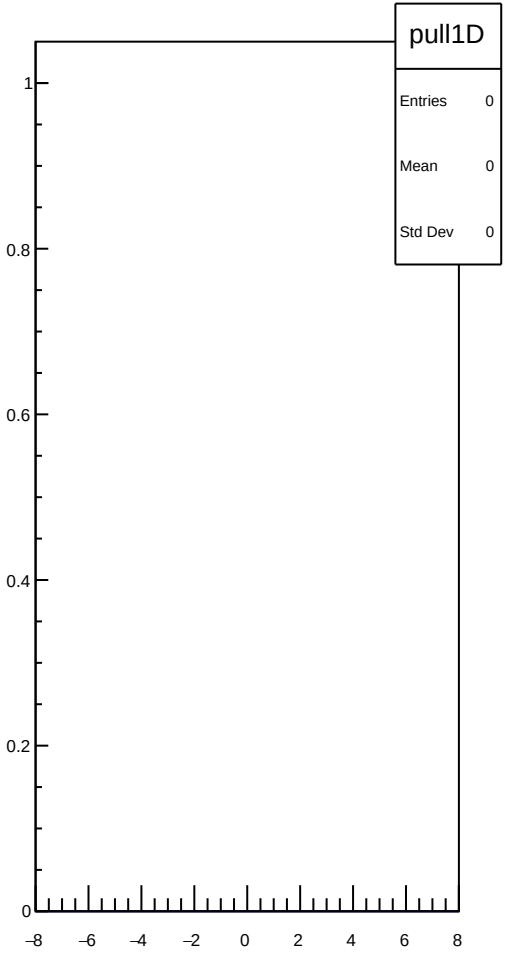

pull
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Mean 0
Std Dev 0
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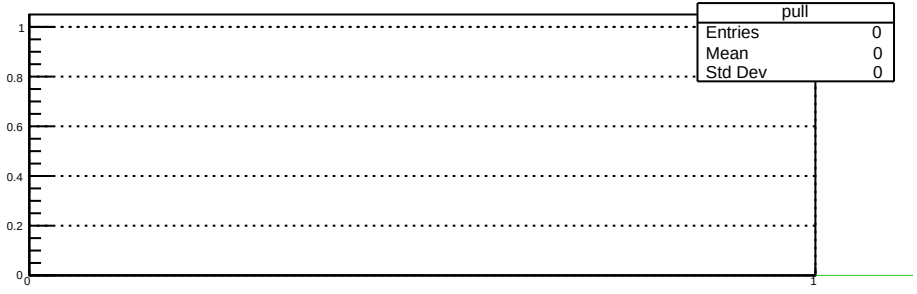

pull1D
Entries 0
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Std Dev 0
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0.4
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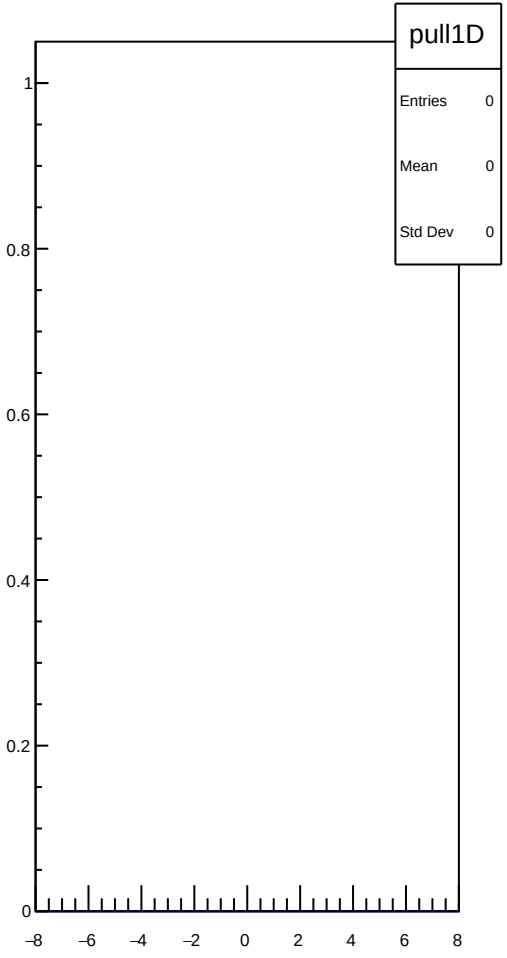

pull
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Mean 0
Std Dev 0
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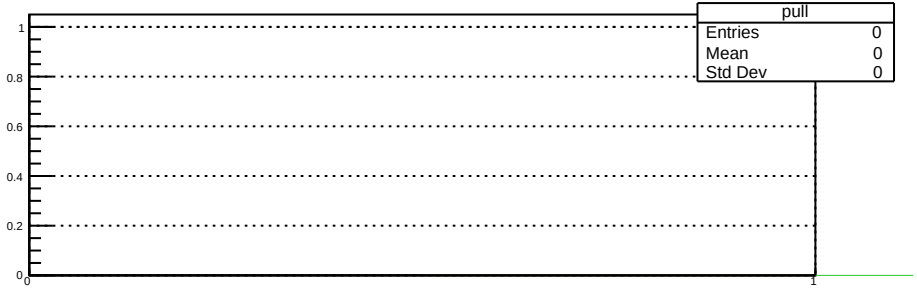

pull1D
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Std Dev 0
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0.4
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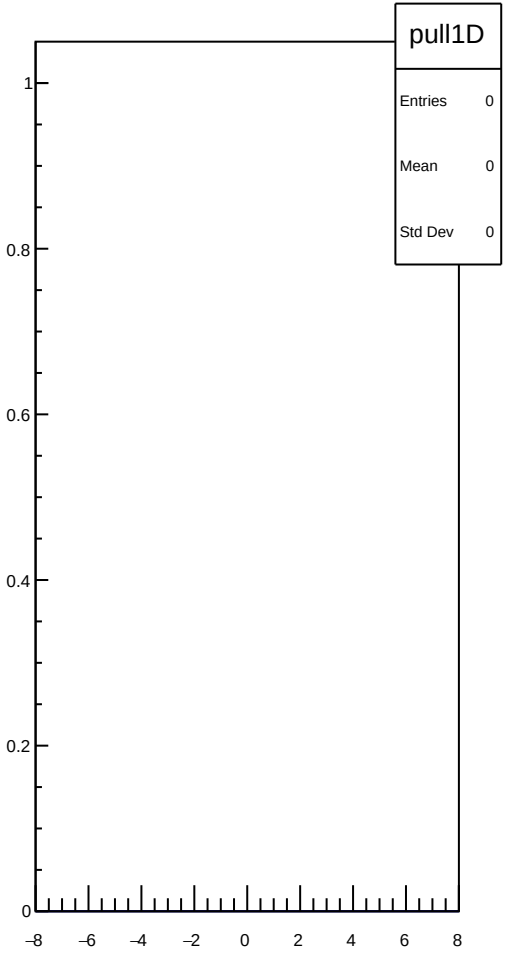

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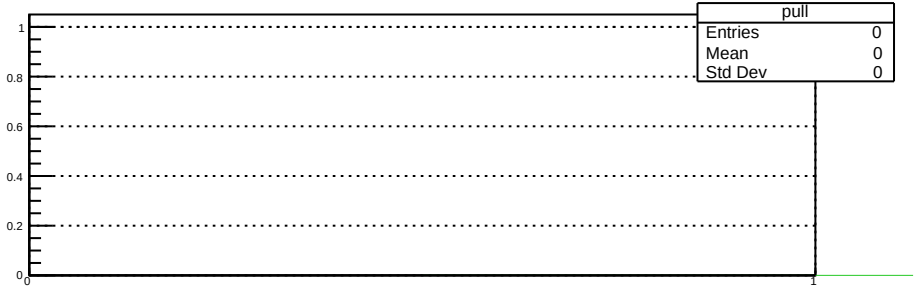

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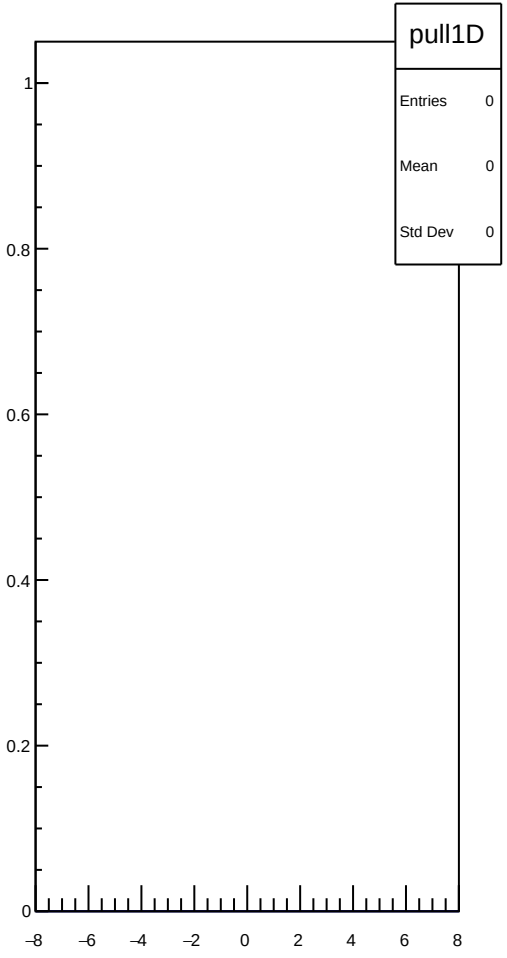

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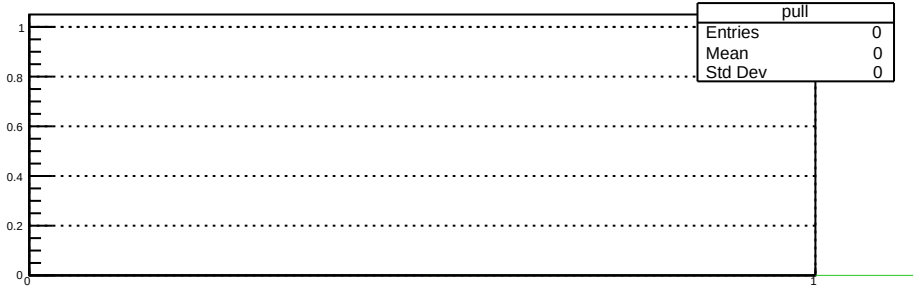

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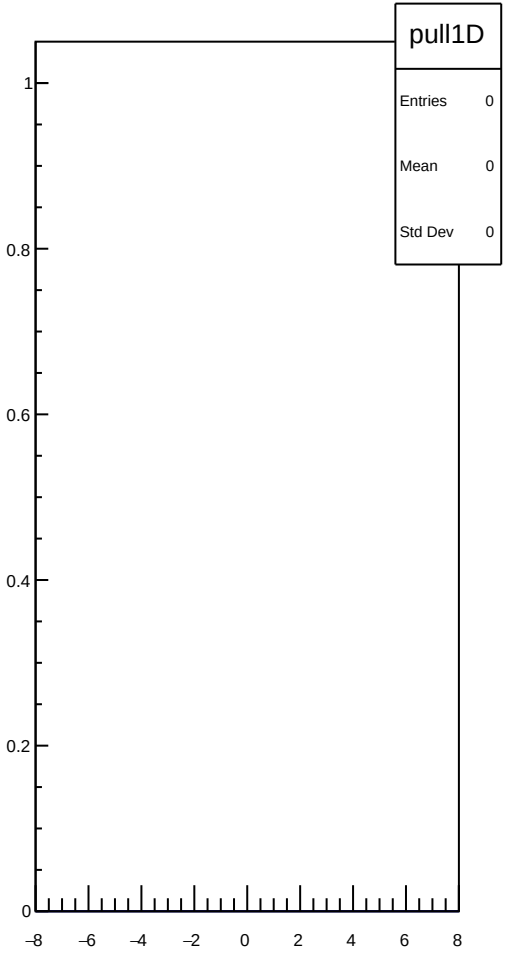

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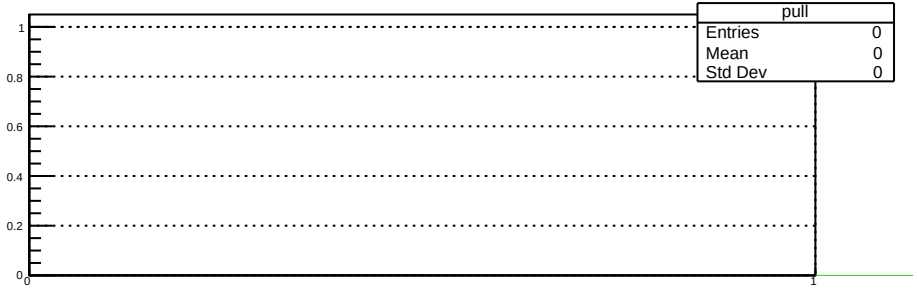

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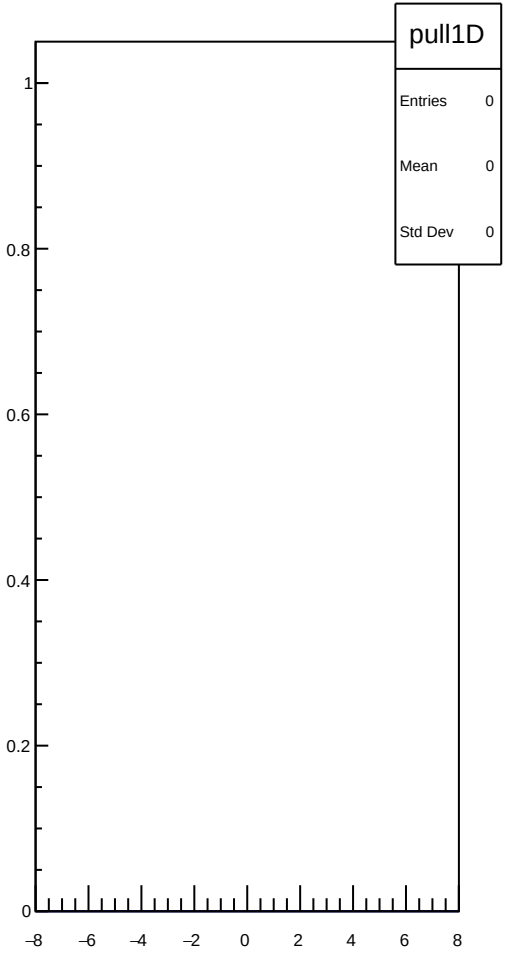

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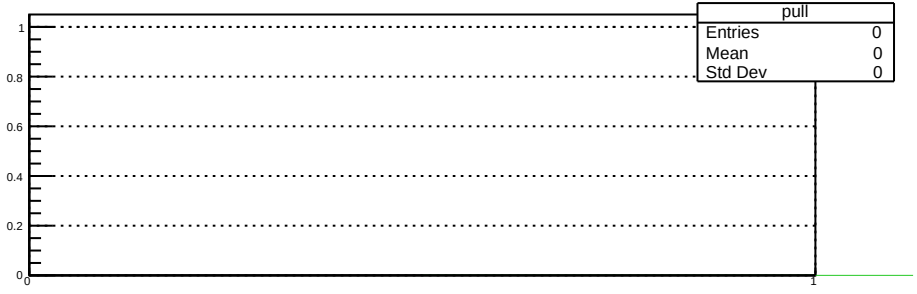

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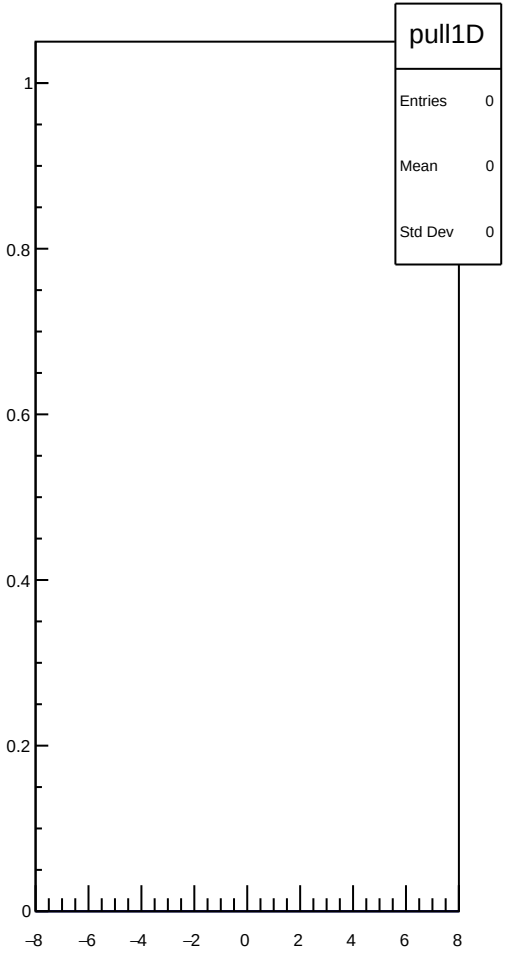

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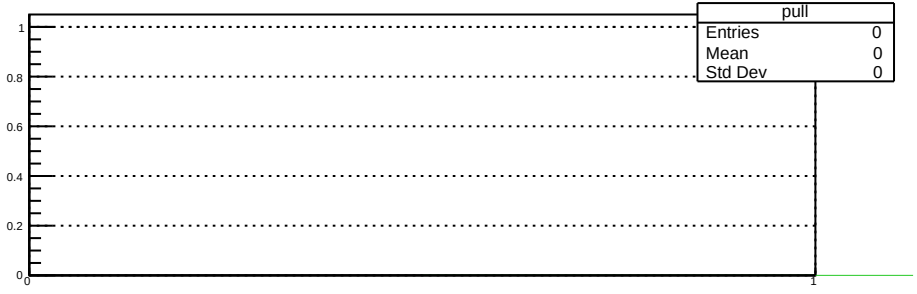

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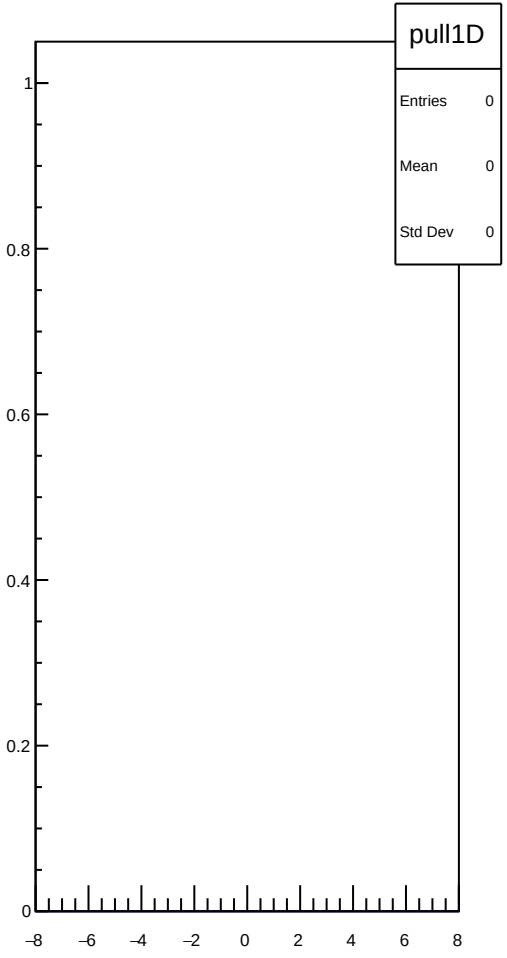

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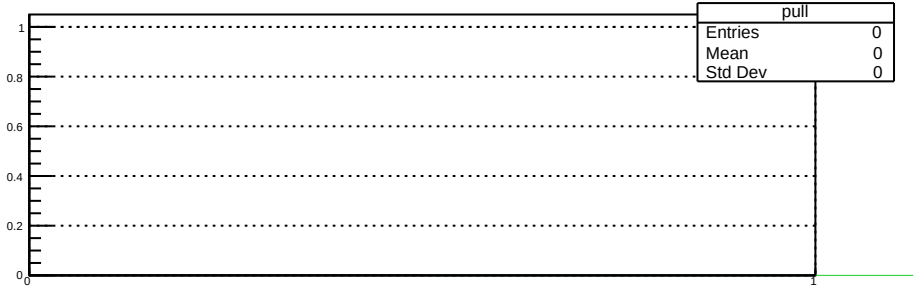

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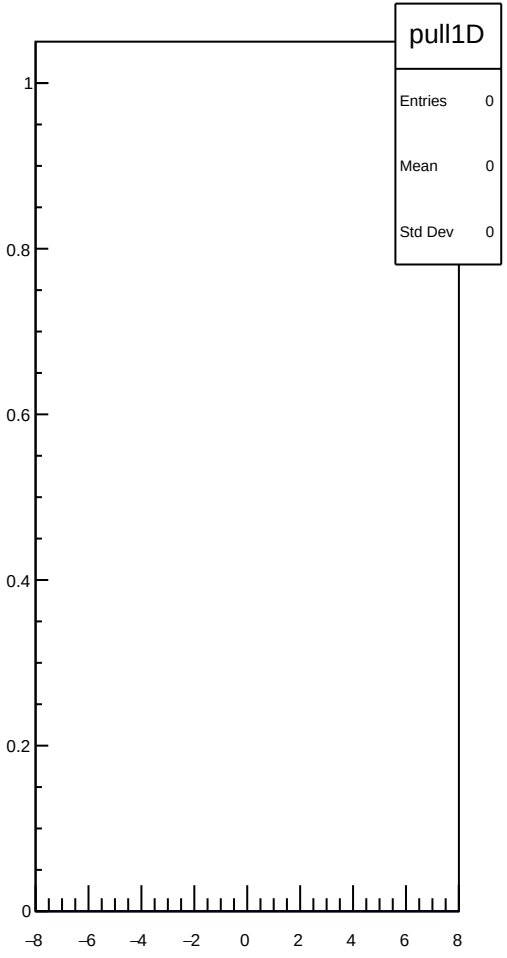

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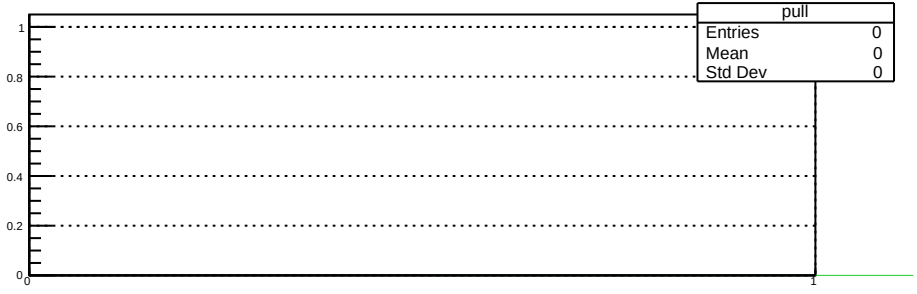

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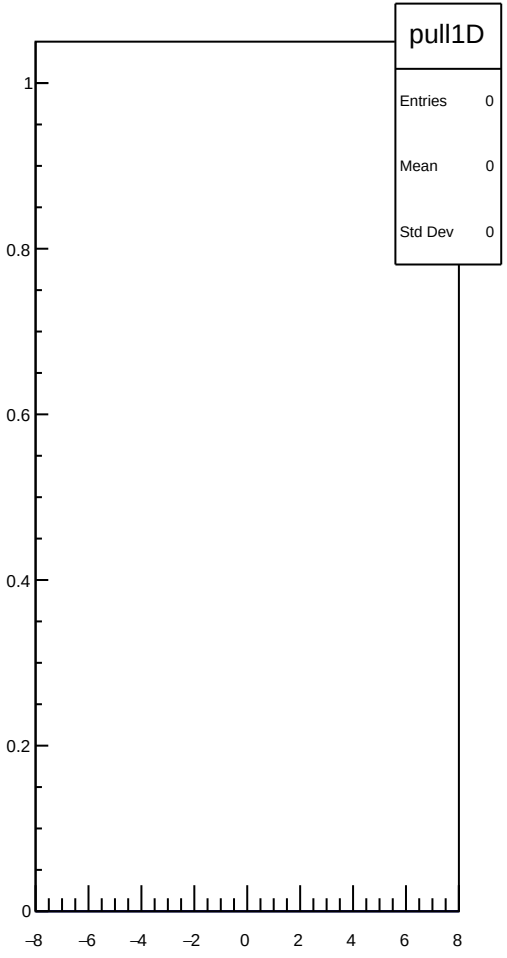

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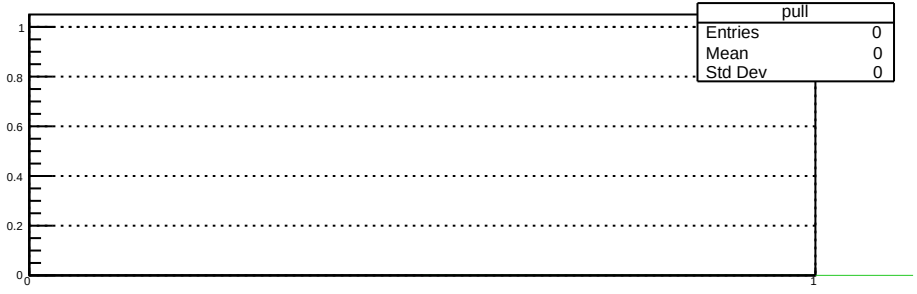

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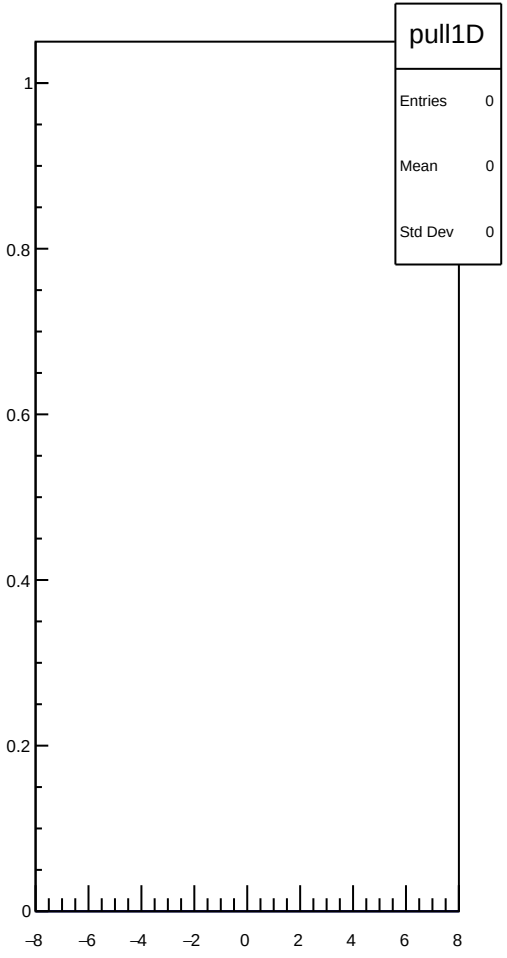

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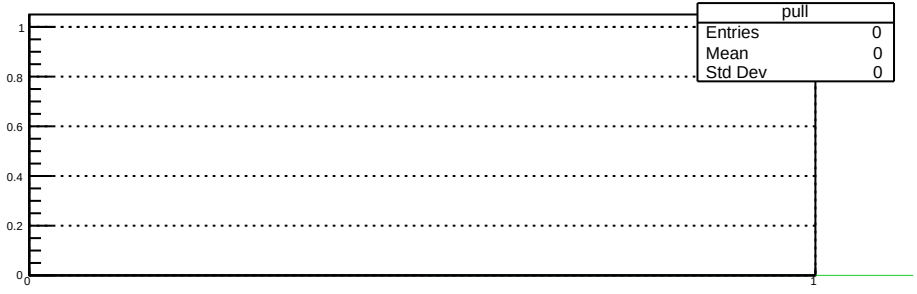

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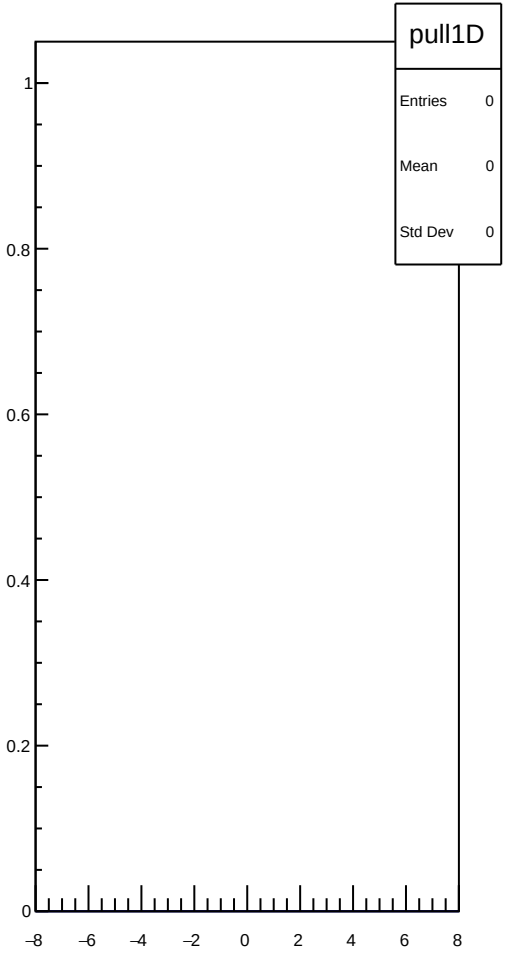

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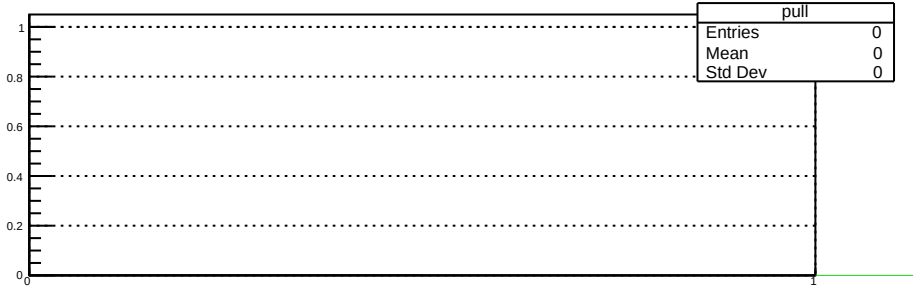

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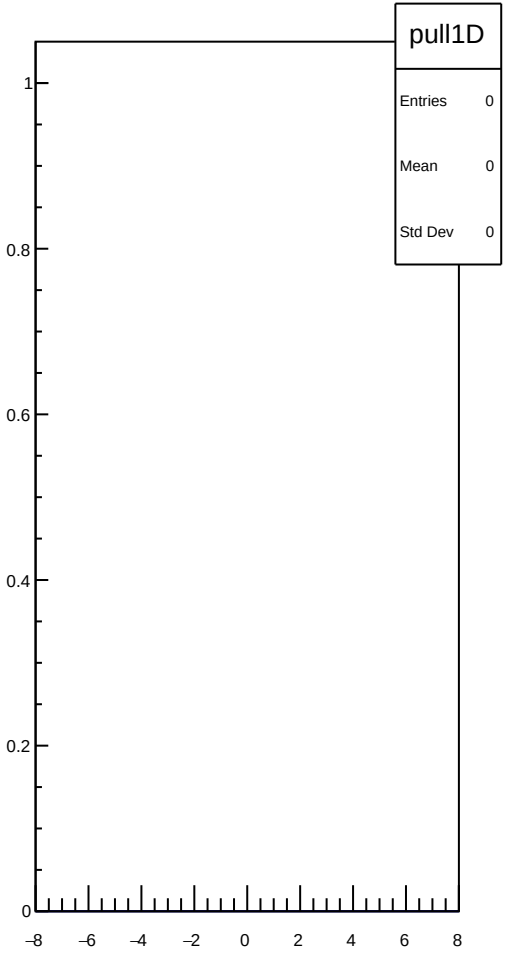

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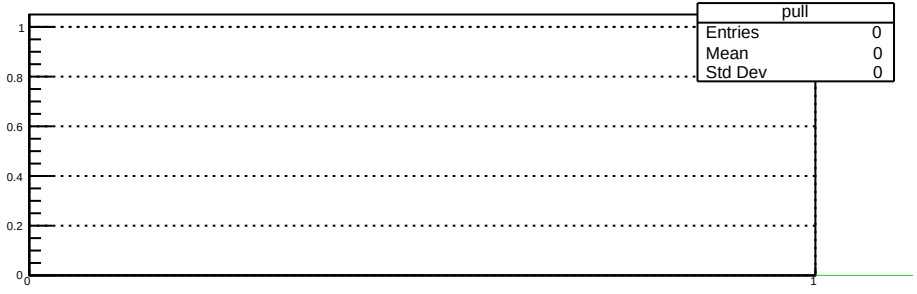

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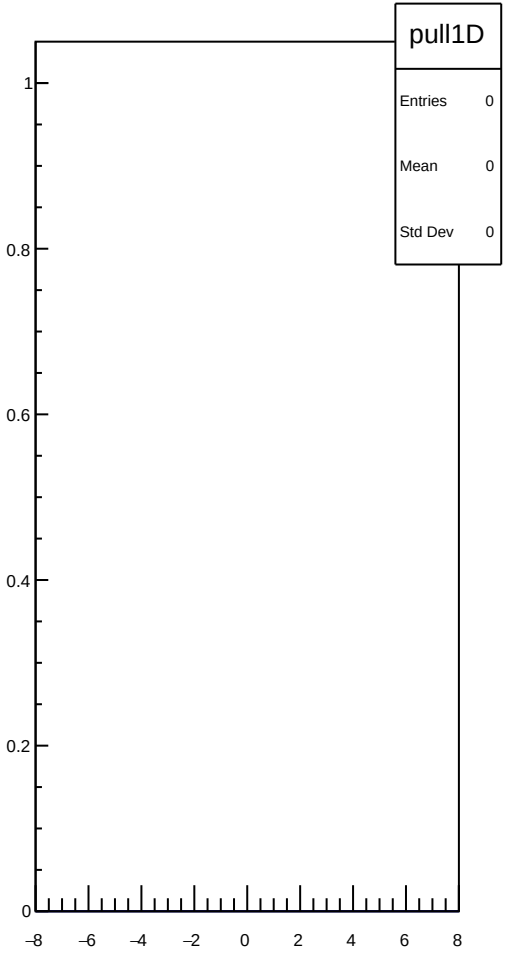

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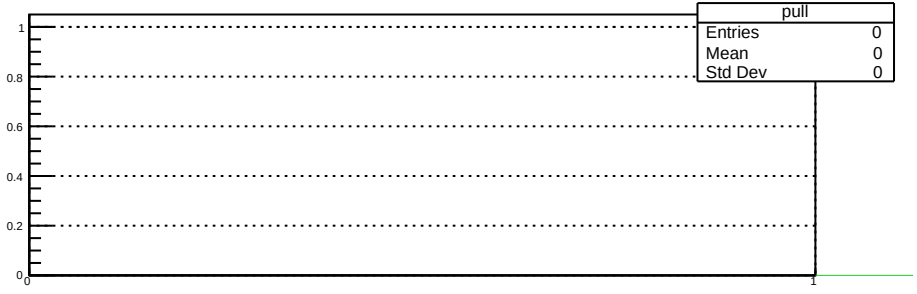

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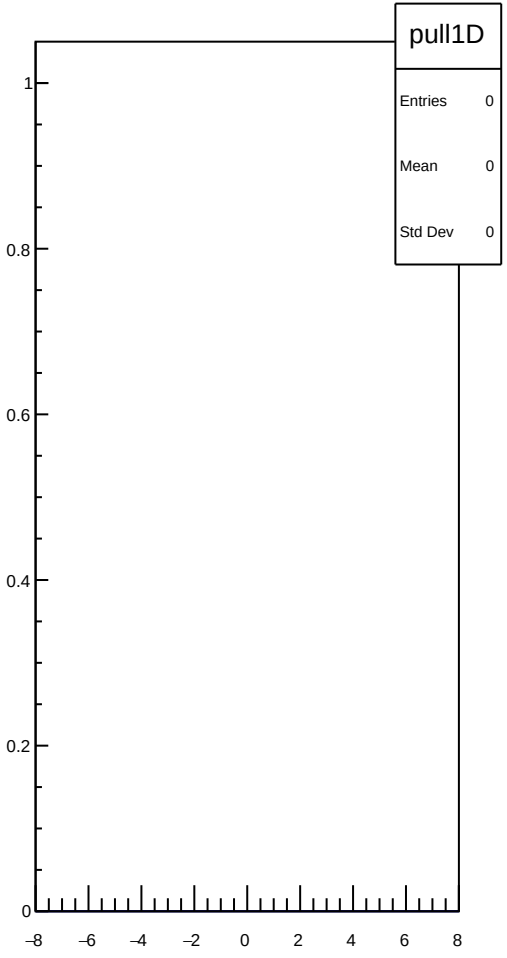

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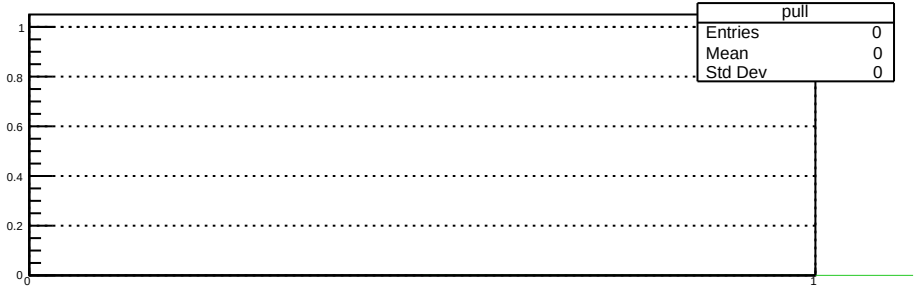

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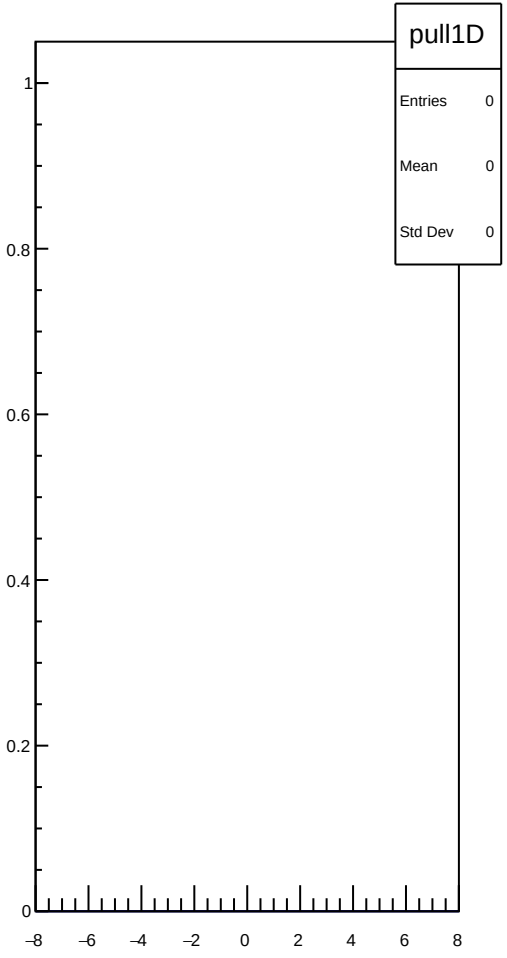

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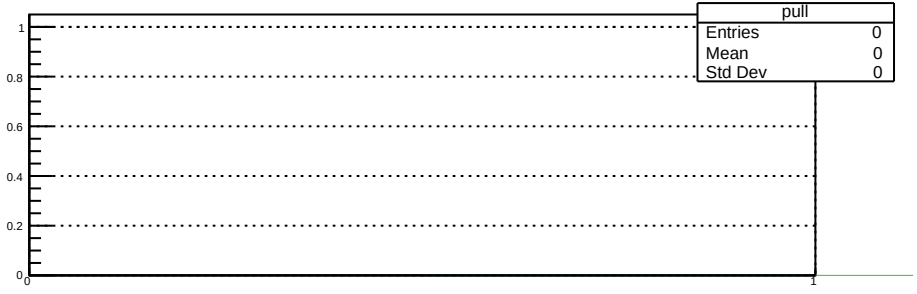

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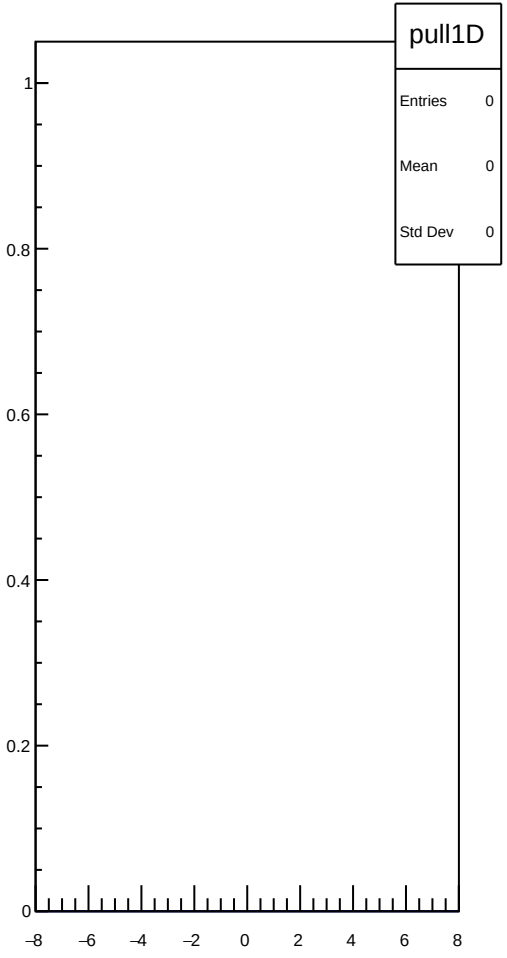

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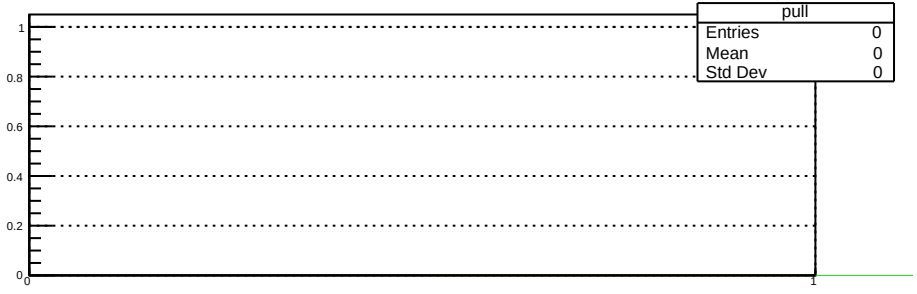

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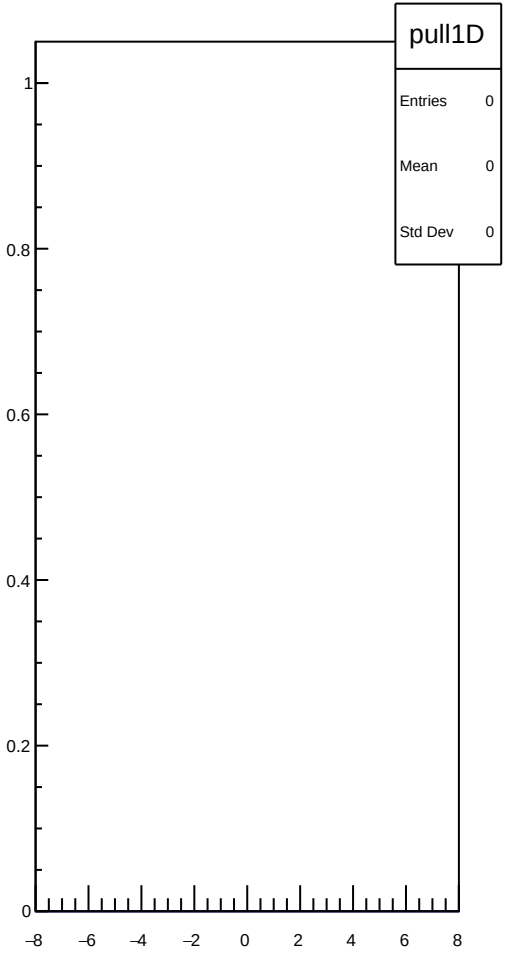

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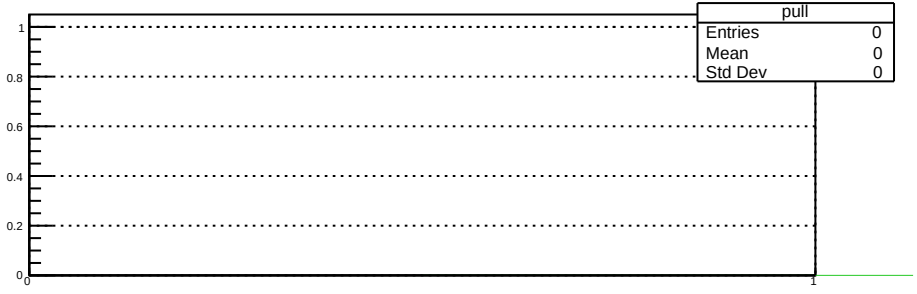

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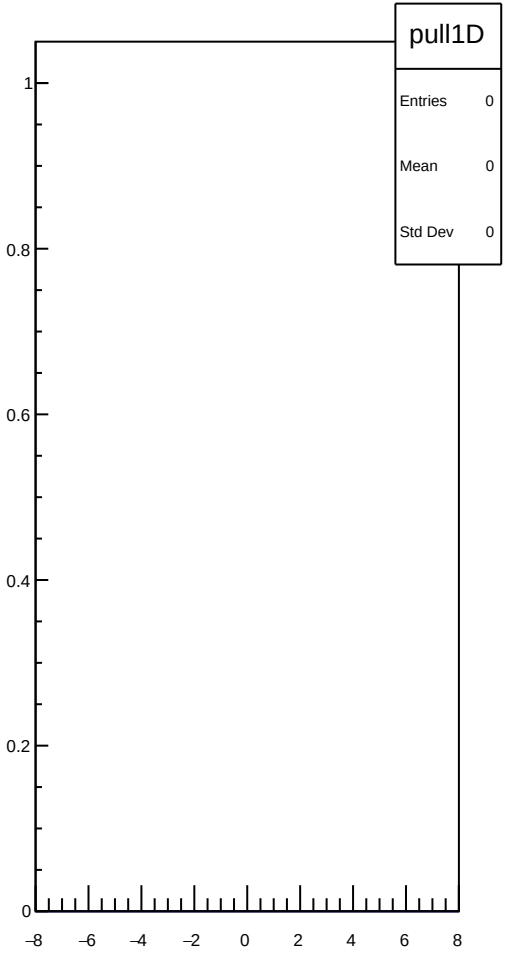

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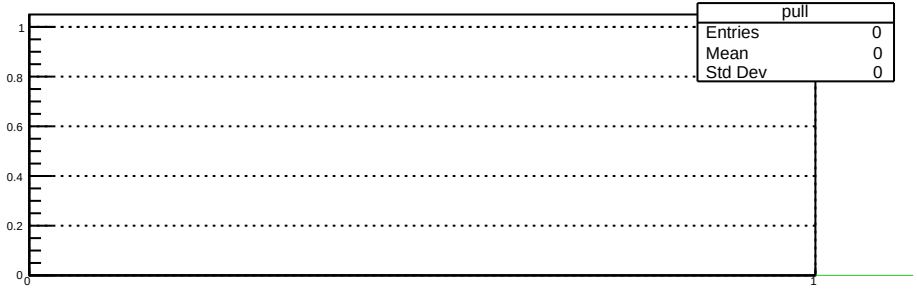

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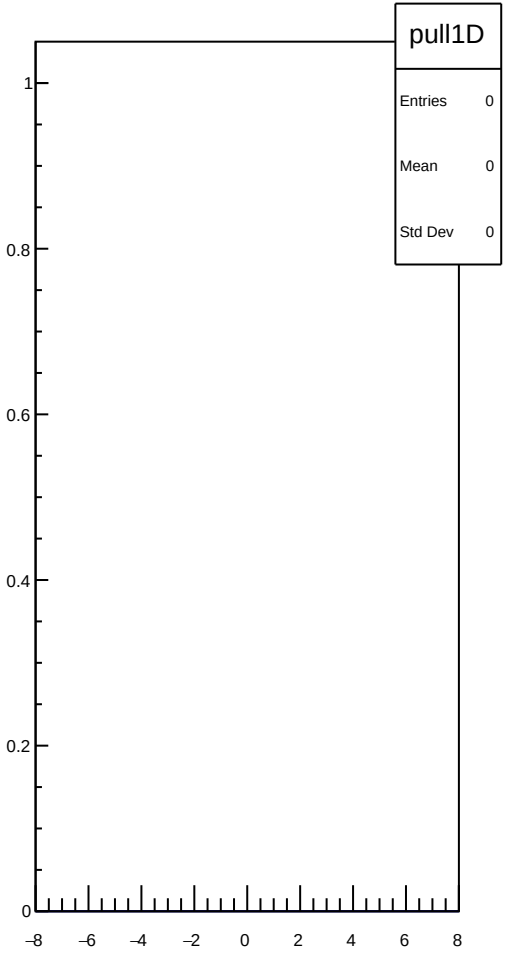

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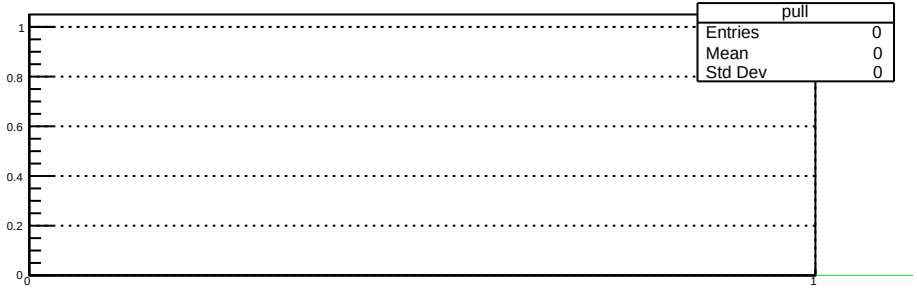

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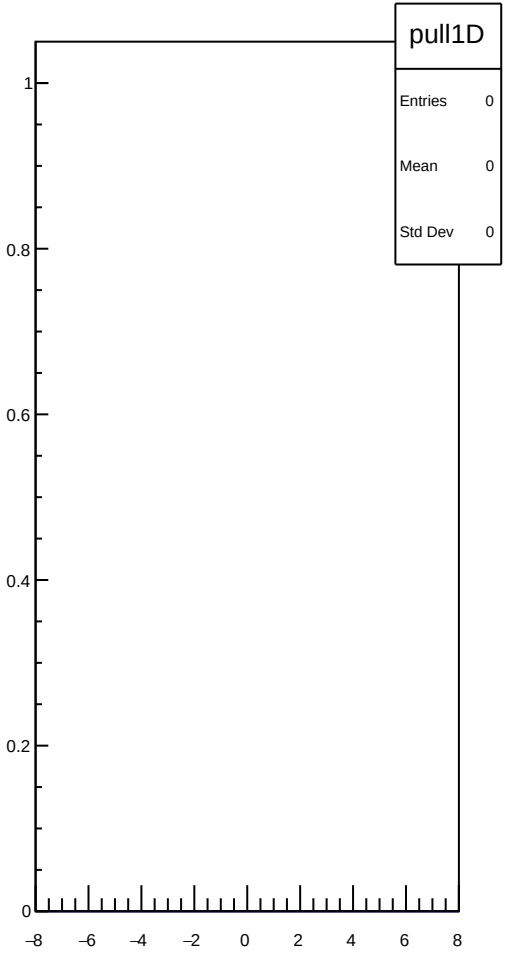

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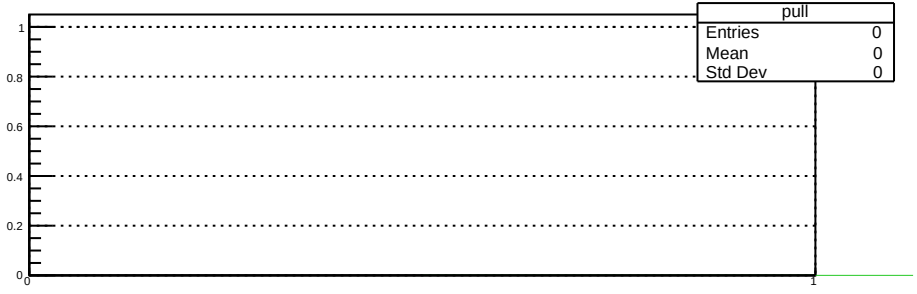

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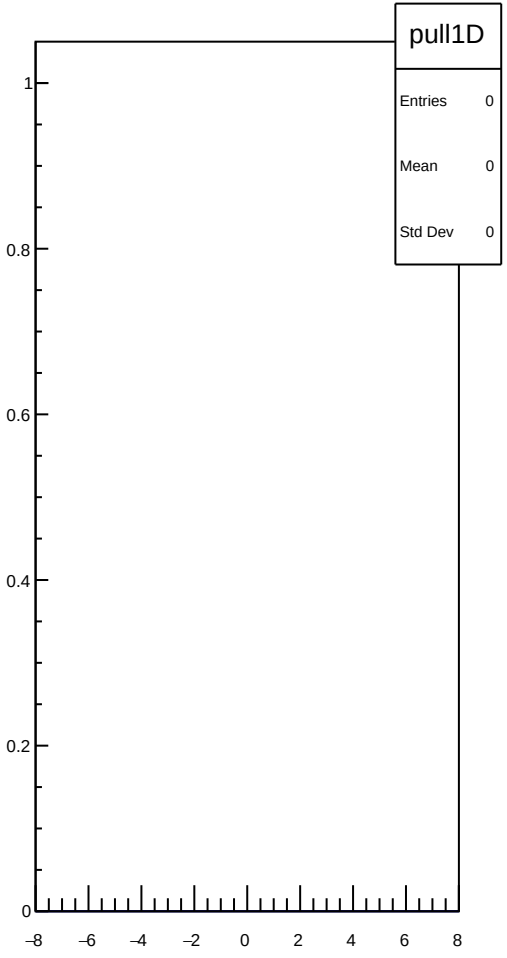

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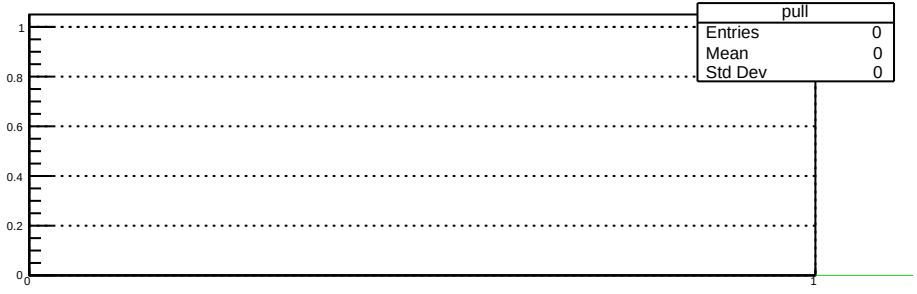

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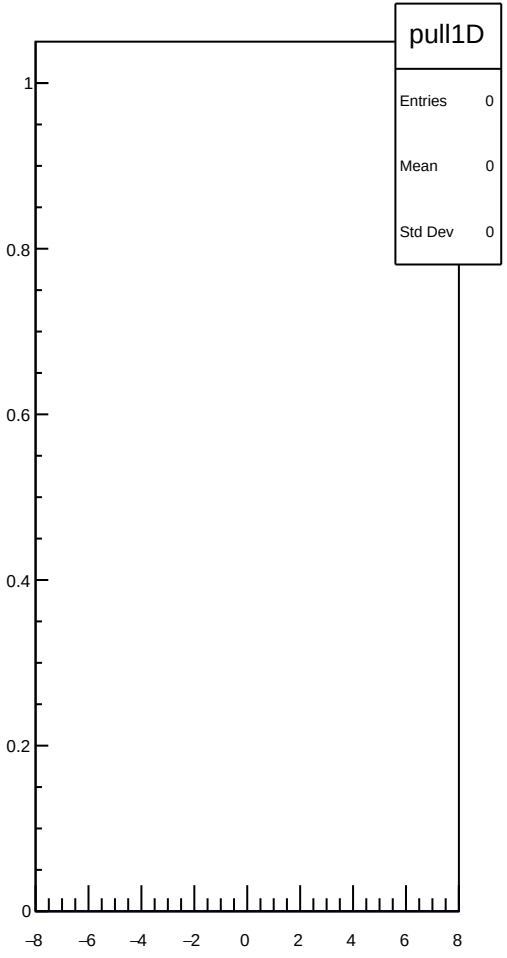

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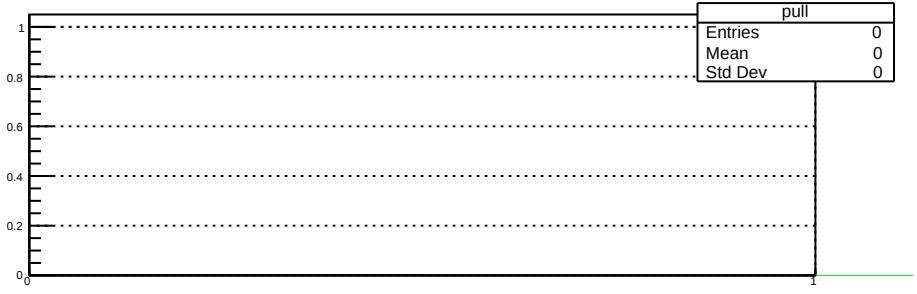

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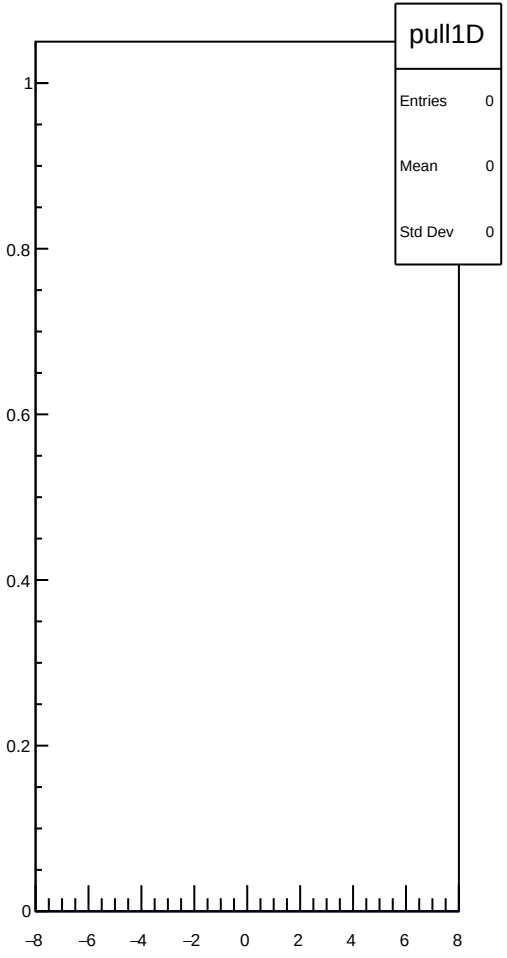

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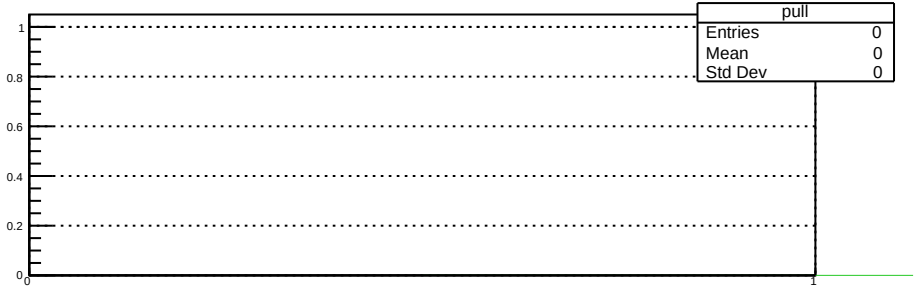

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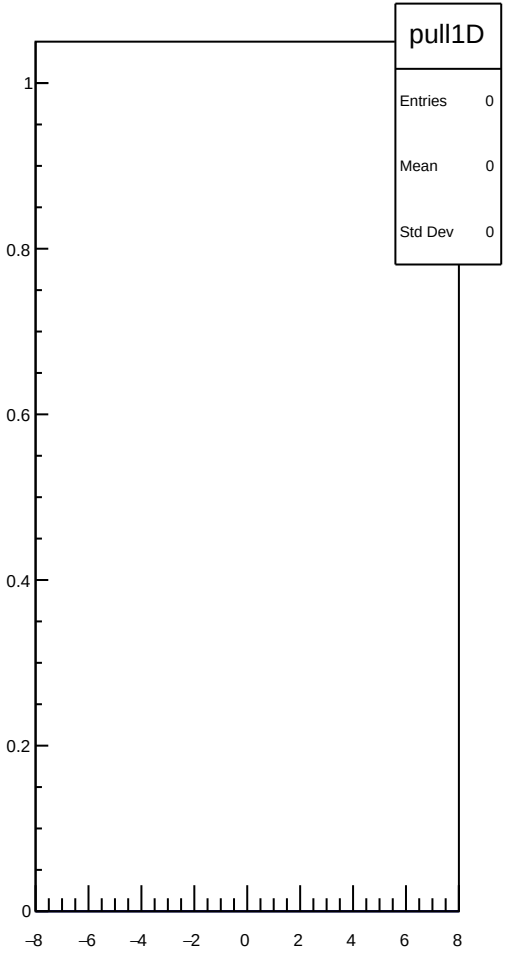

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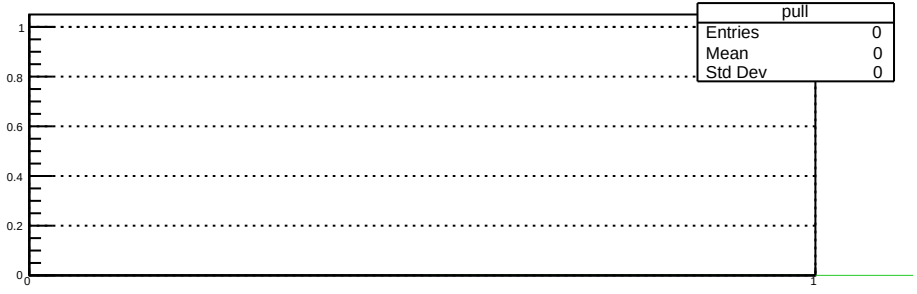

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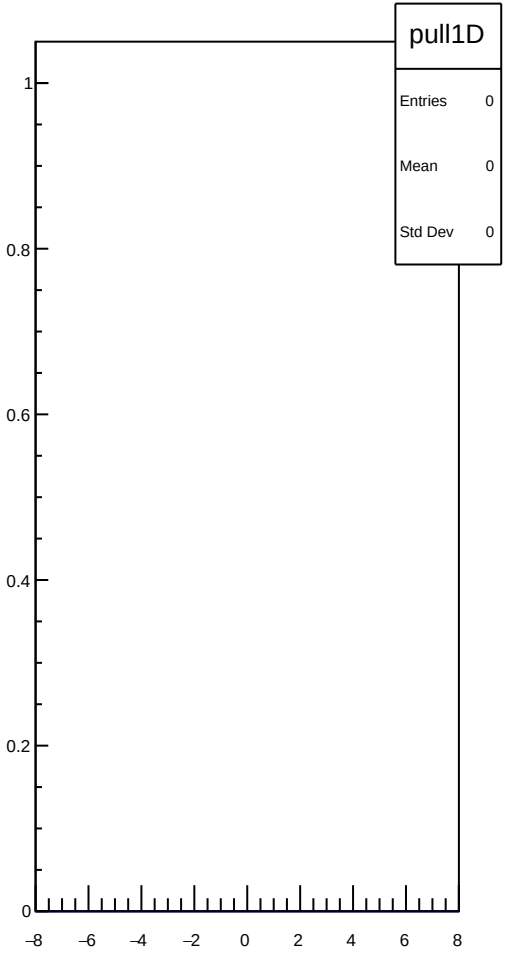

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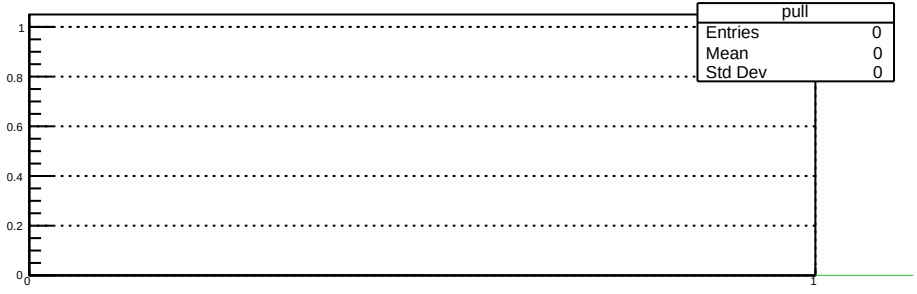

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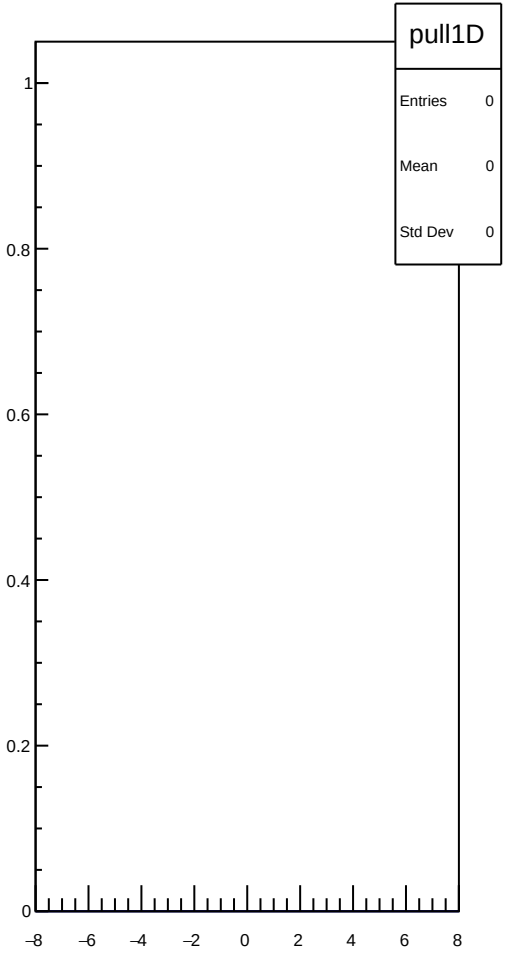

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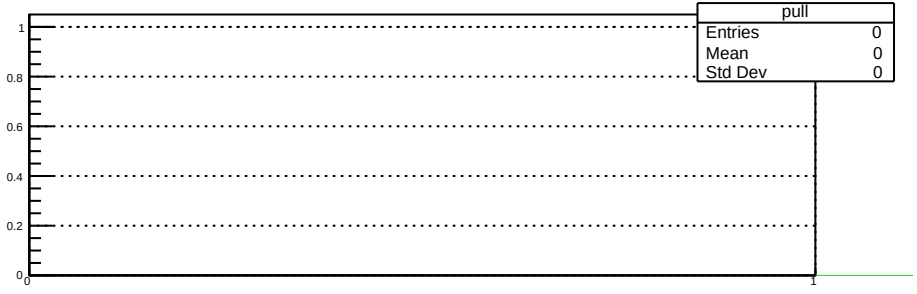

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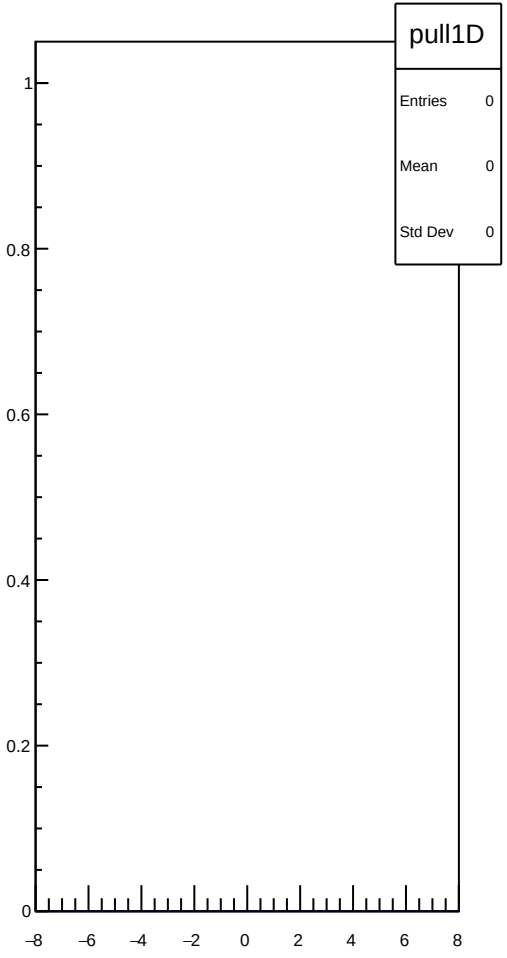

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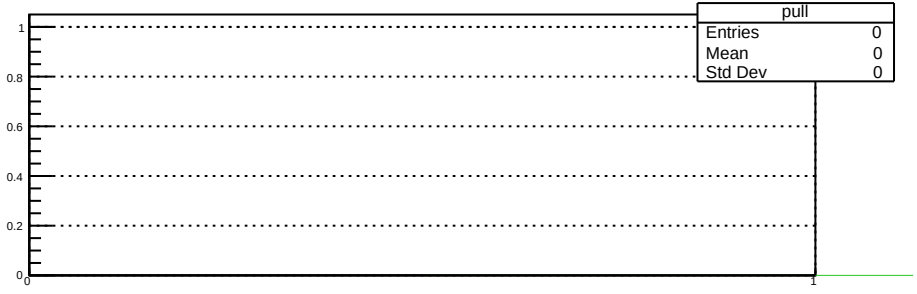

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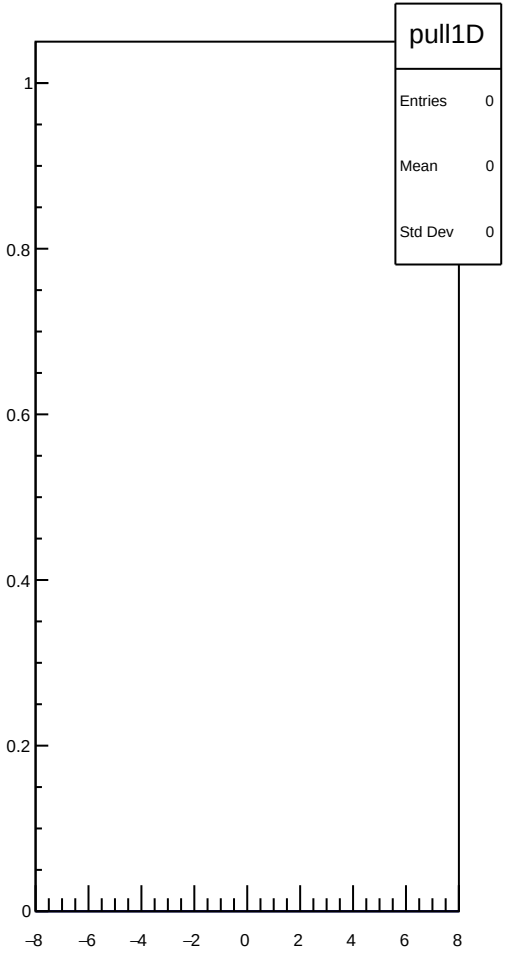

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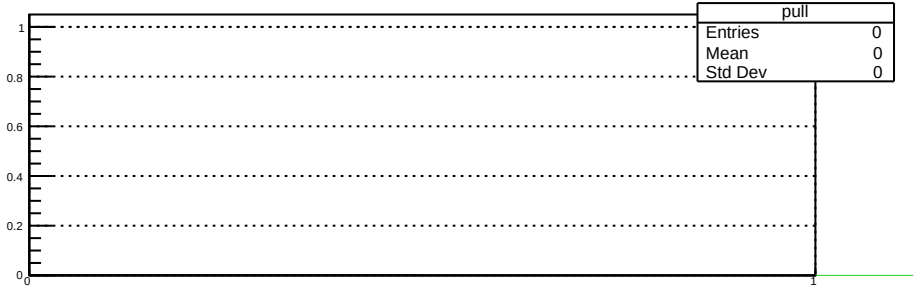

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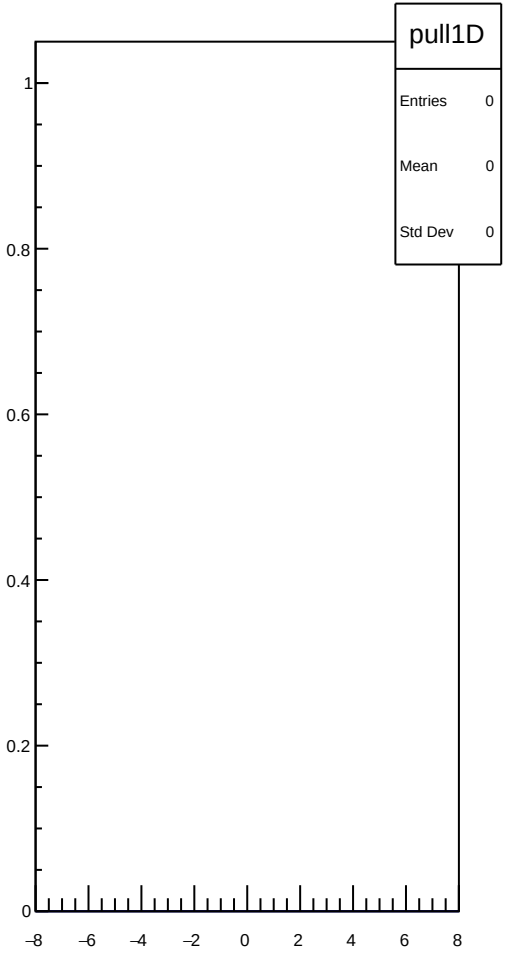

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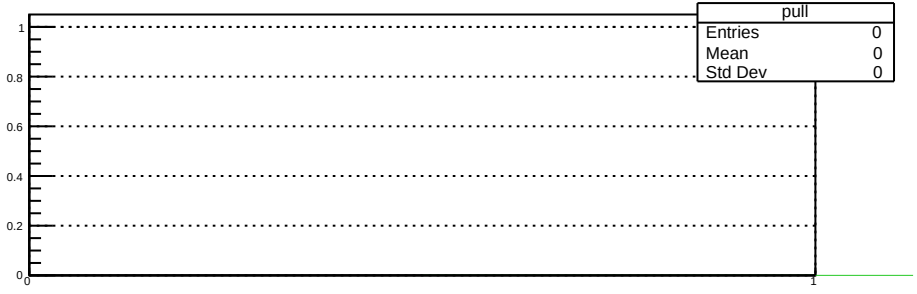

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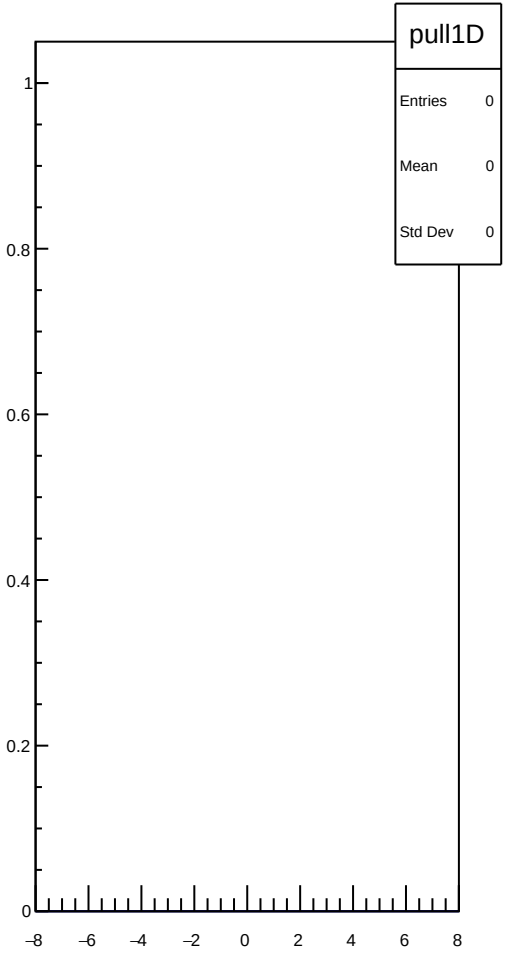

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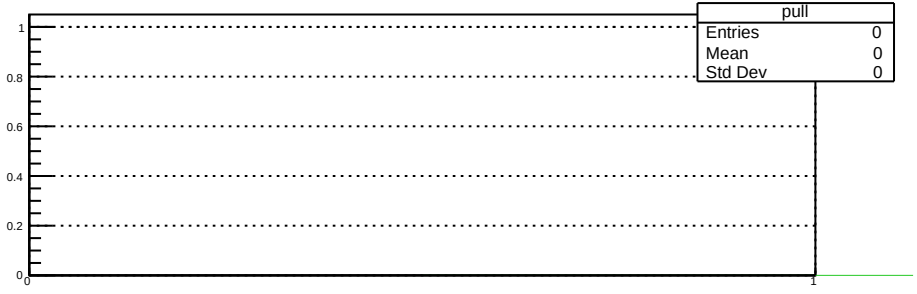

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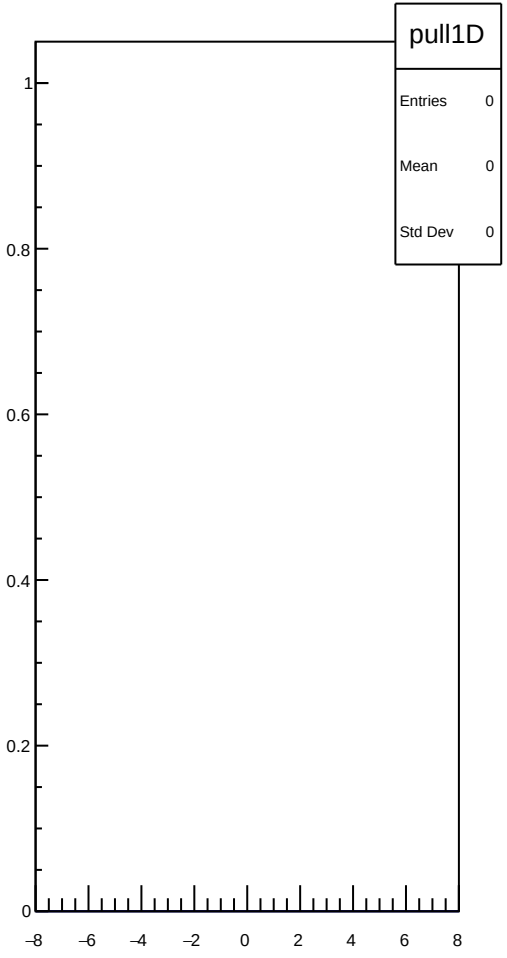

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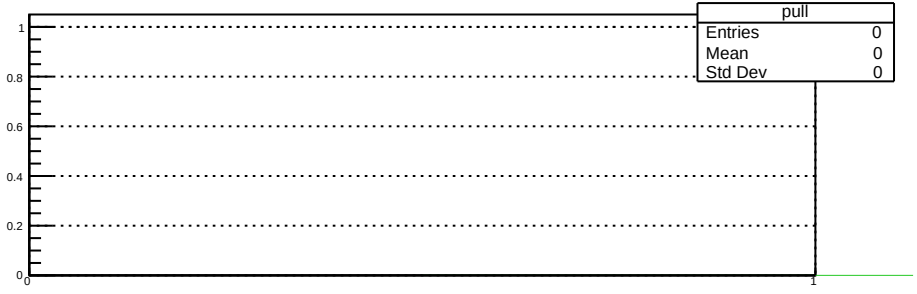

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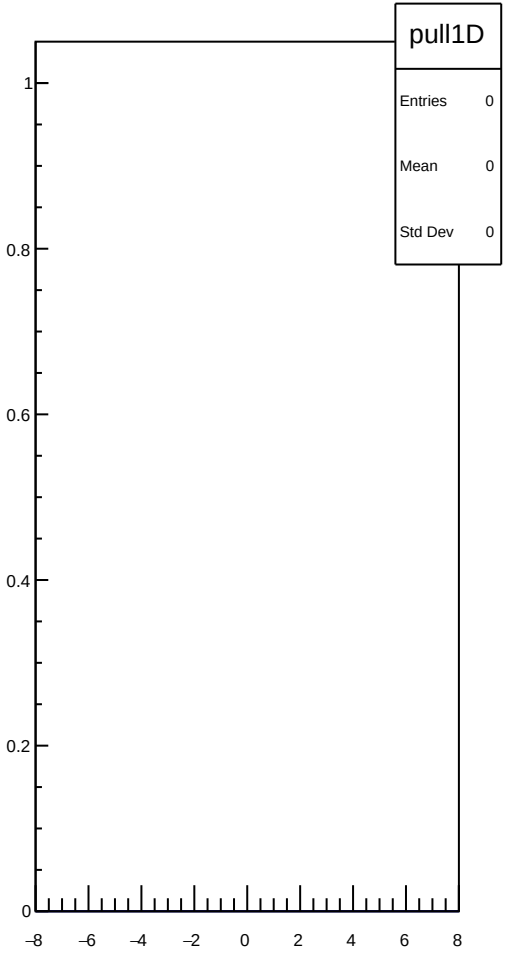

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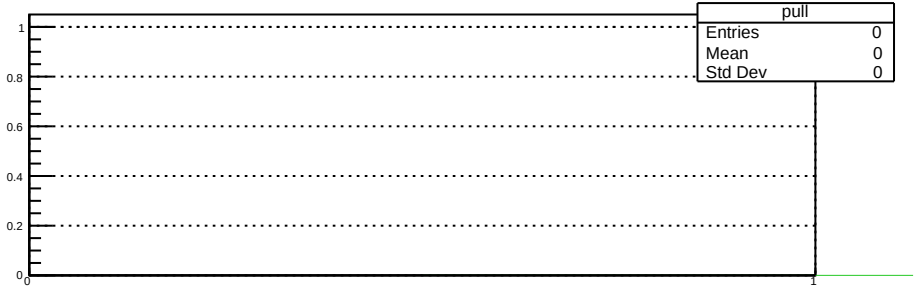

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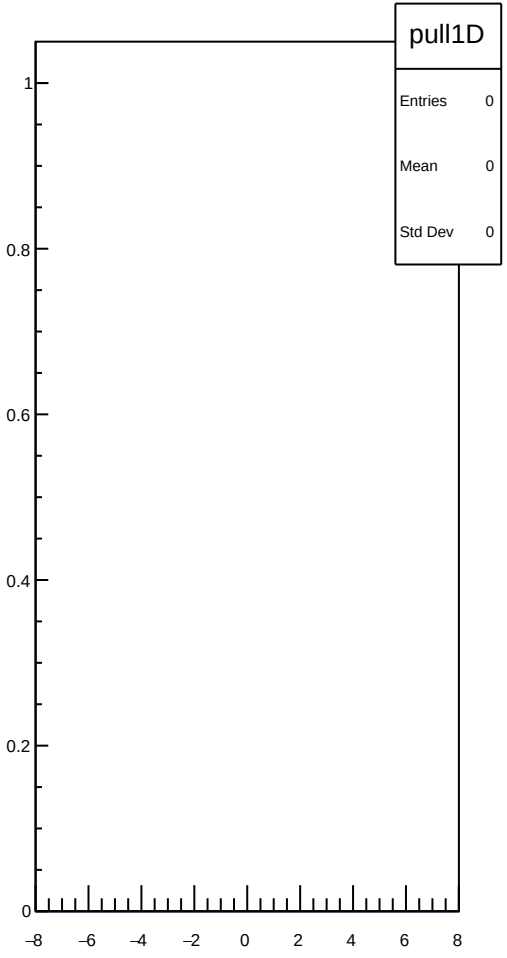

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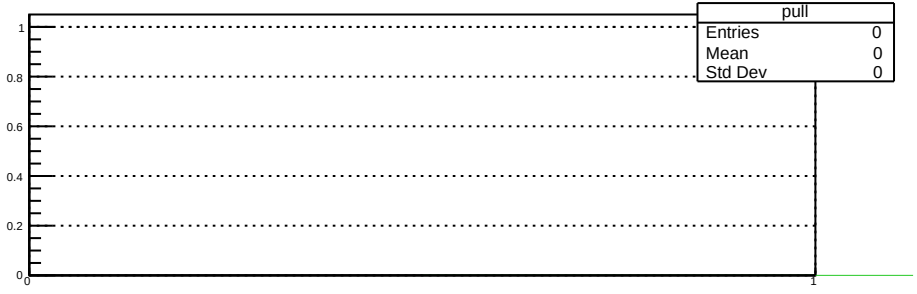

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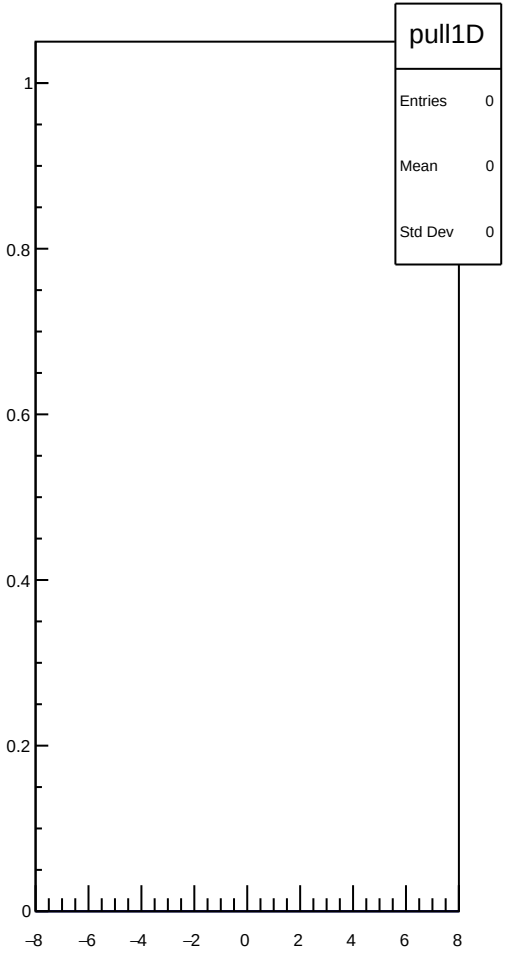

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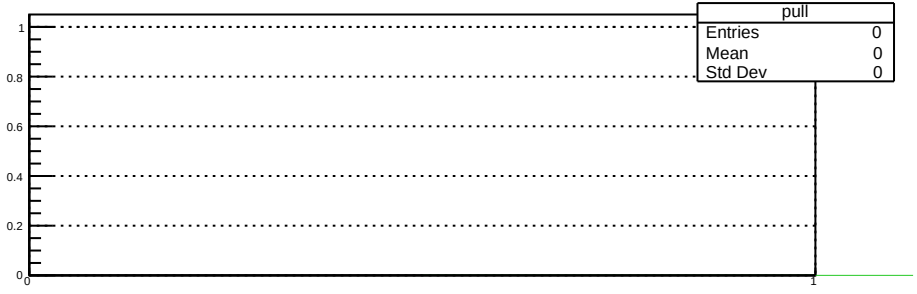

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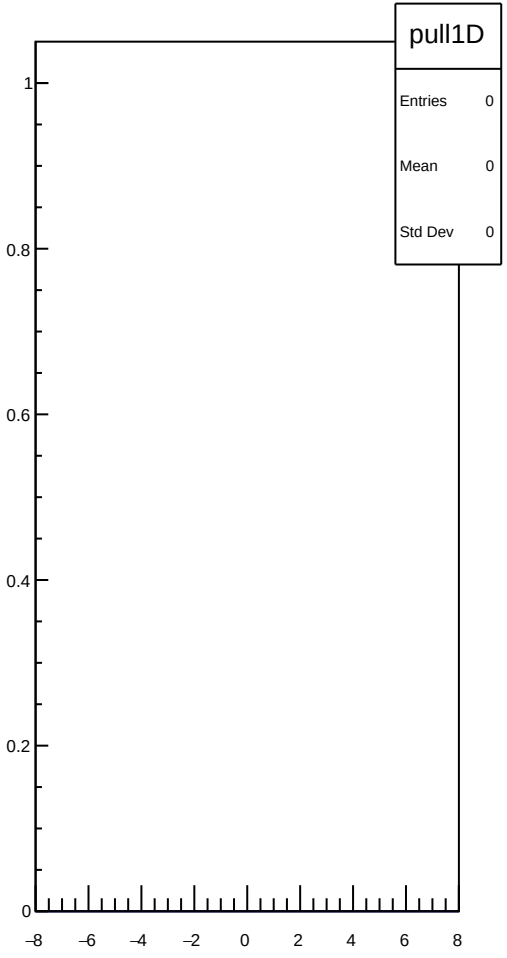

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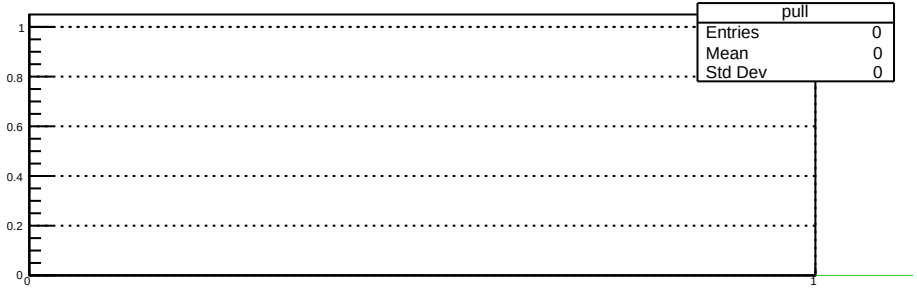

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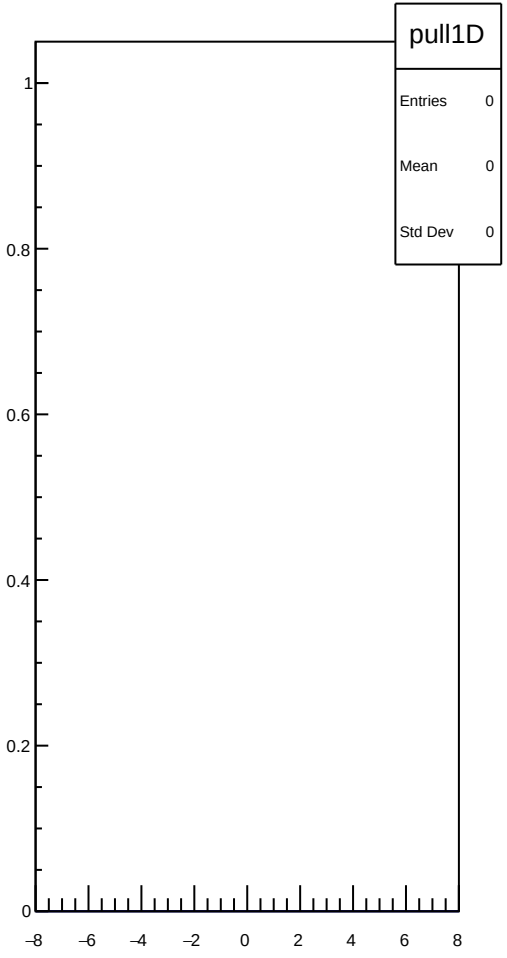

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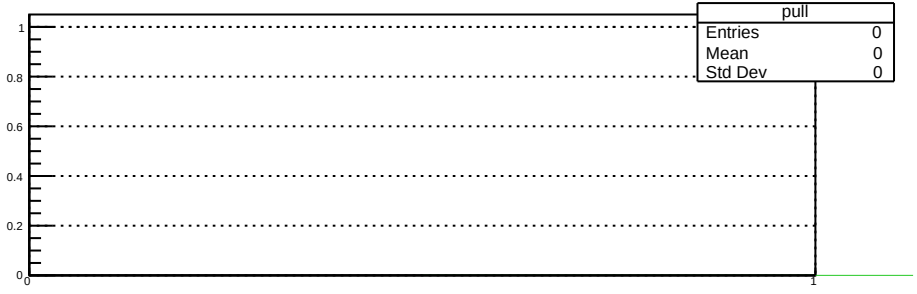

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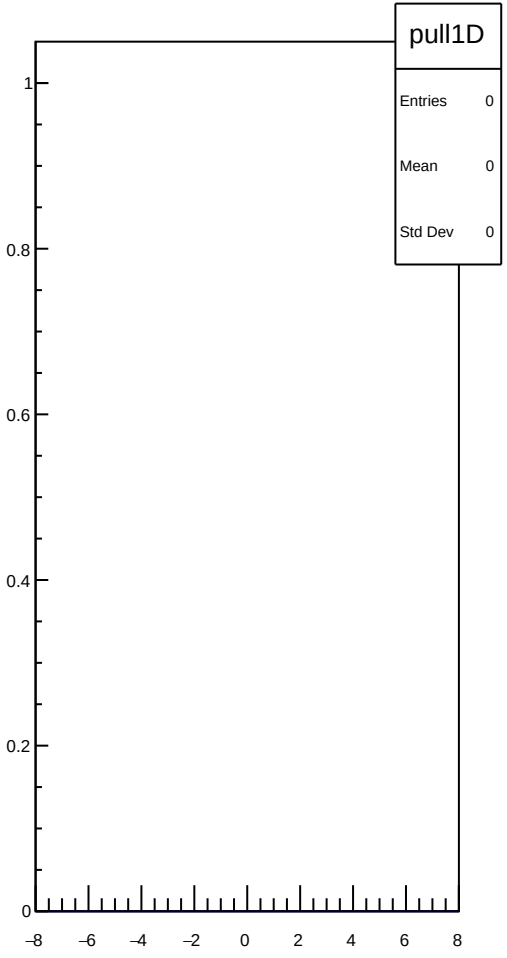

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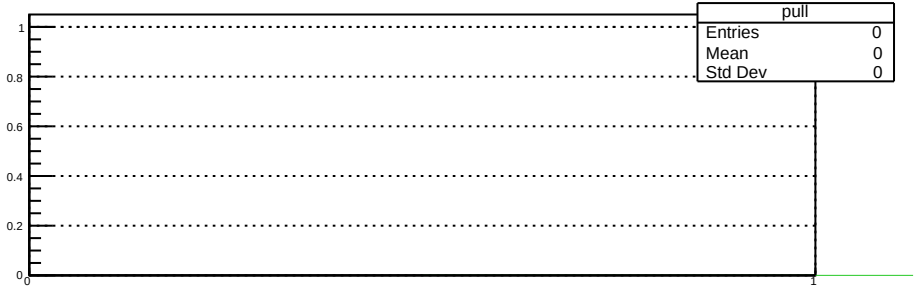

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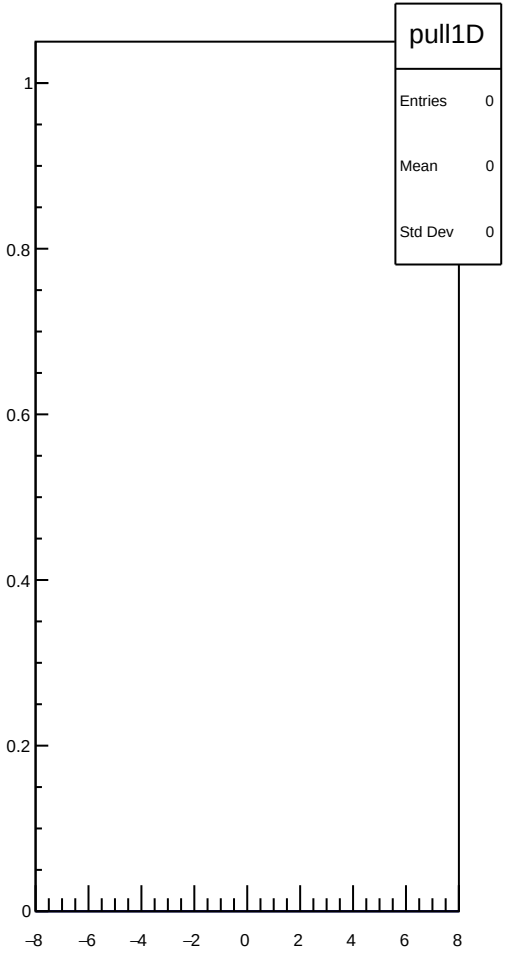

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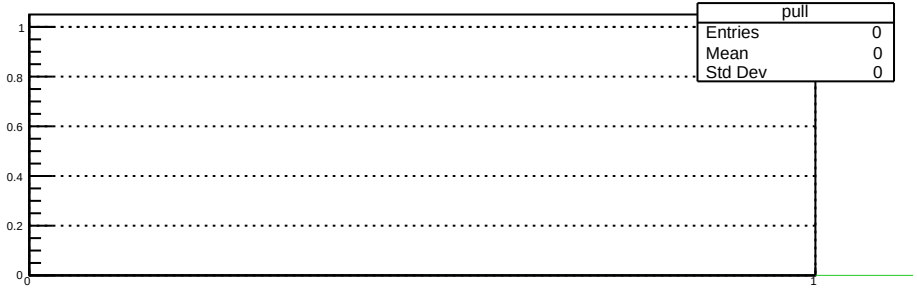

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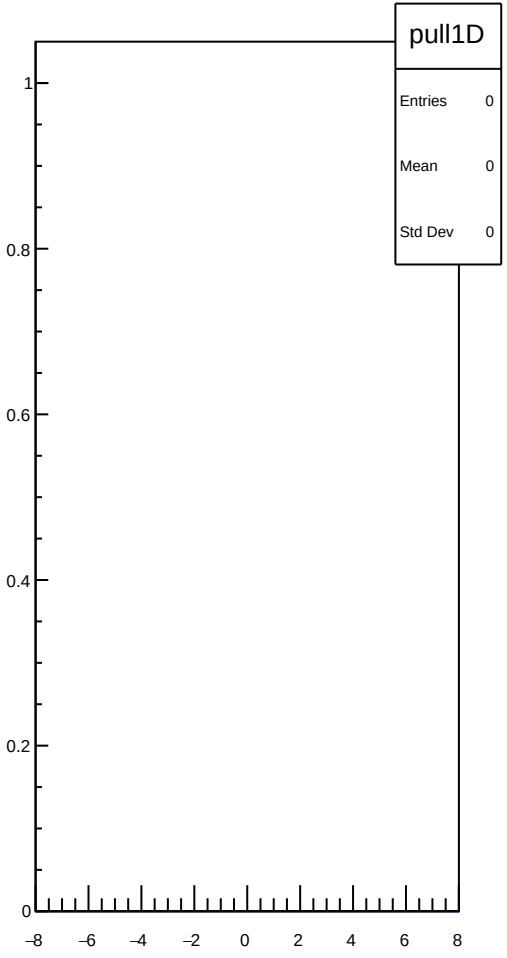

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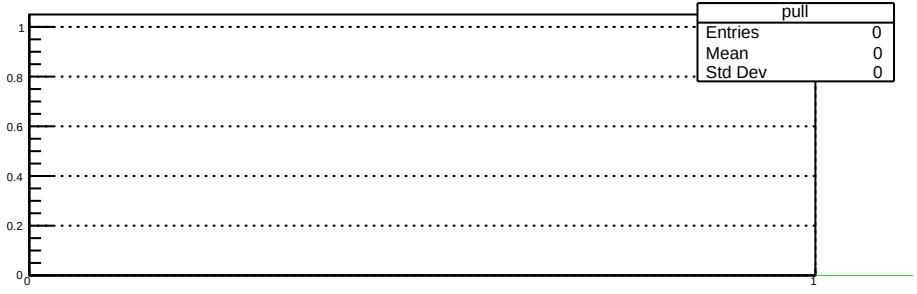

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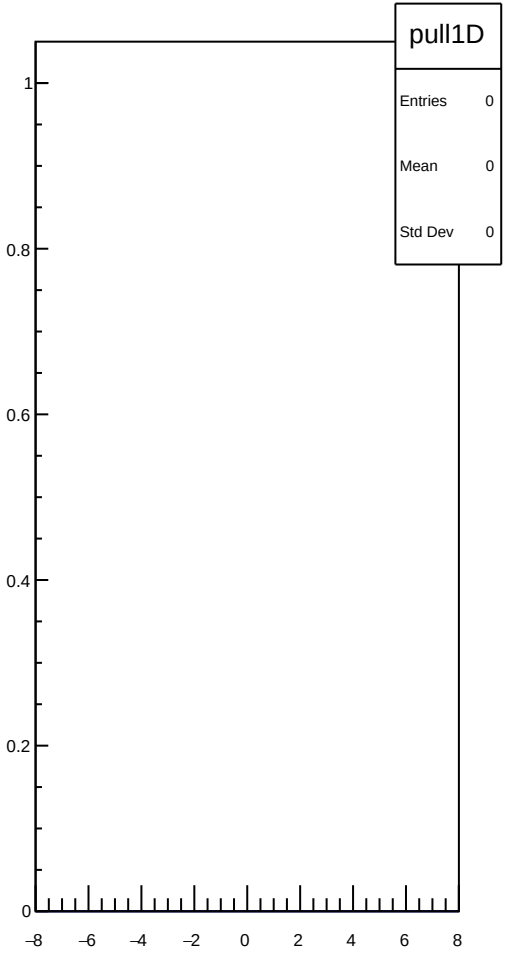

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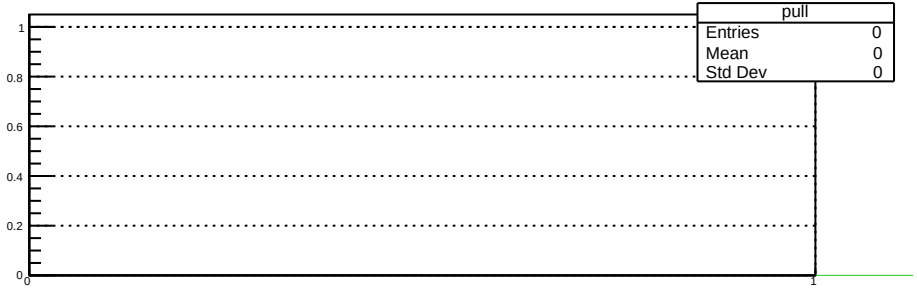

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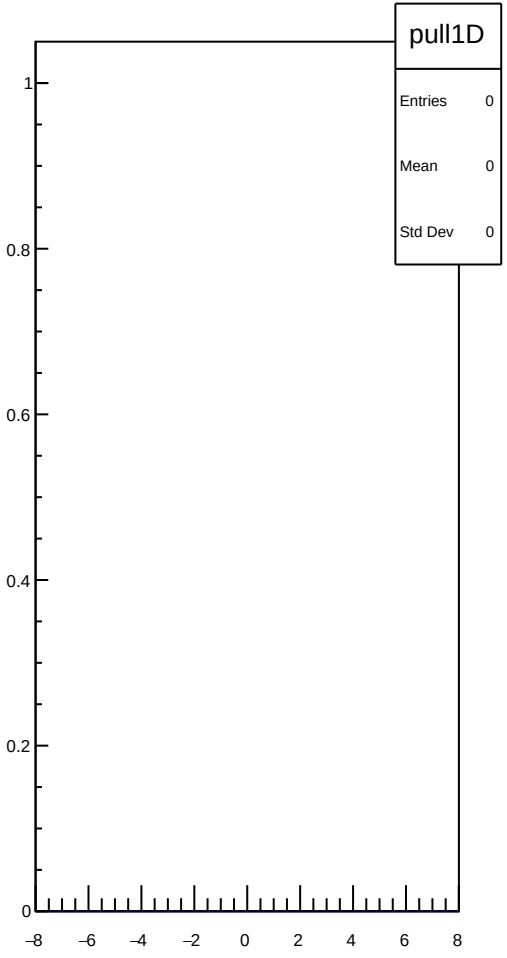

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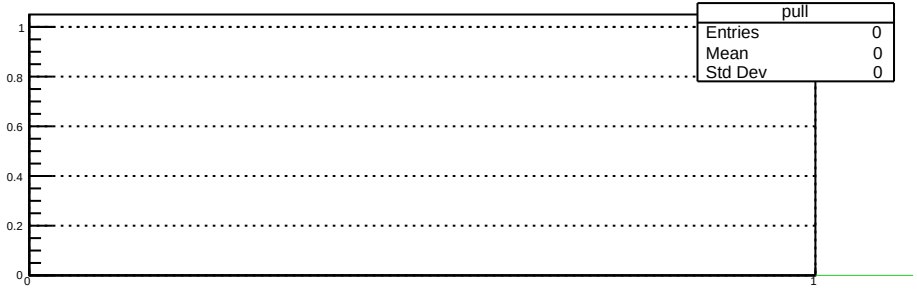

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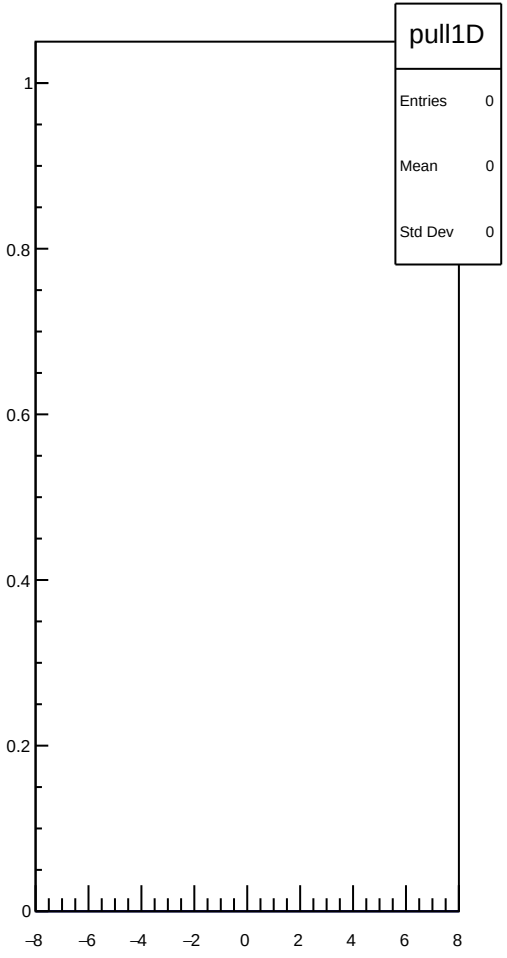

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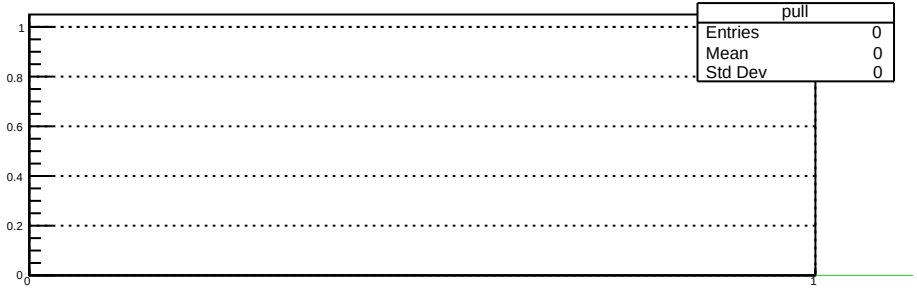

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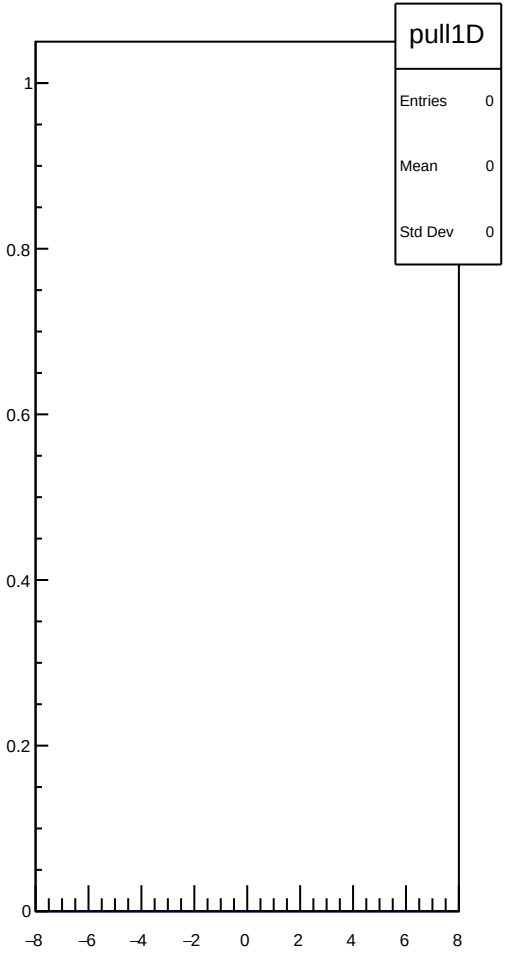

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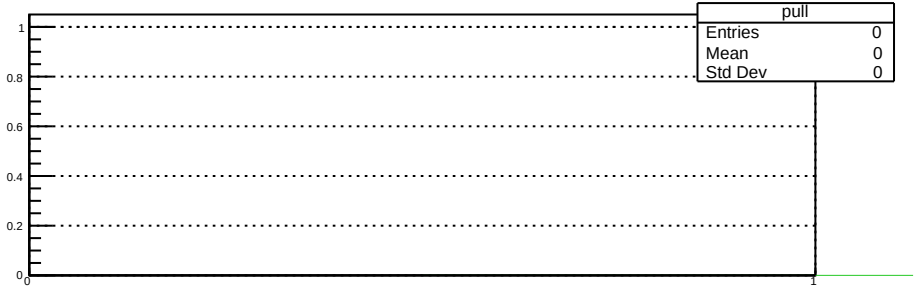

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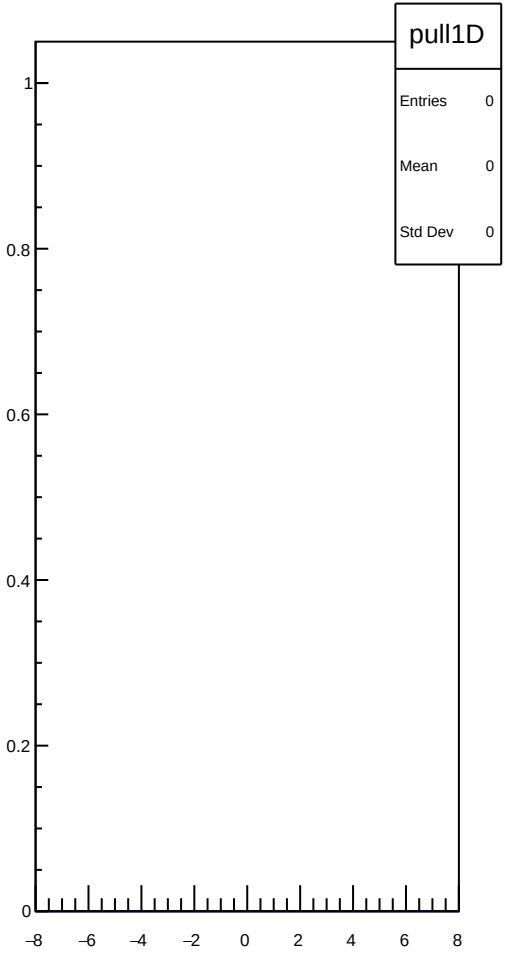

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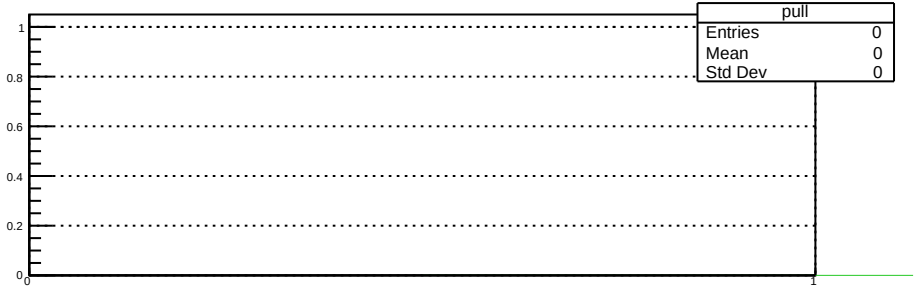

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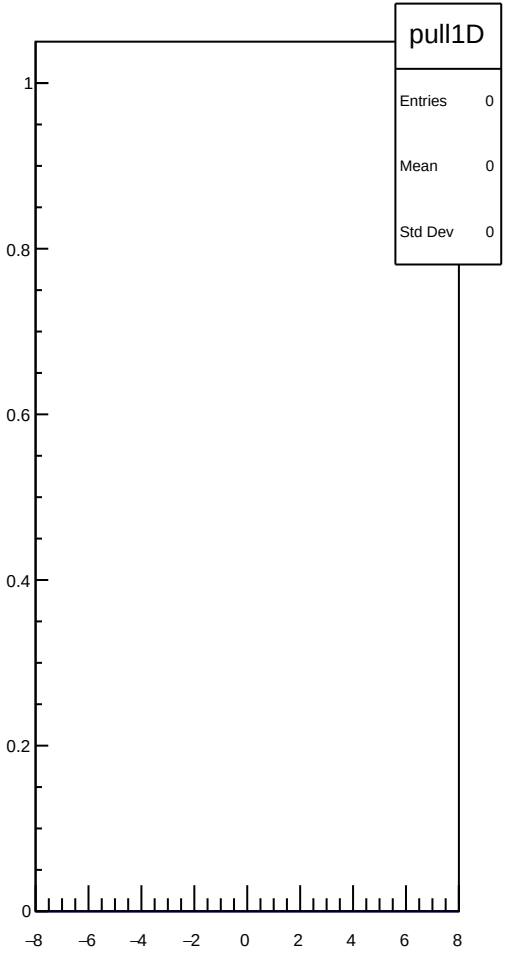

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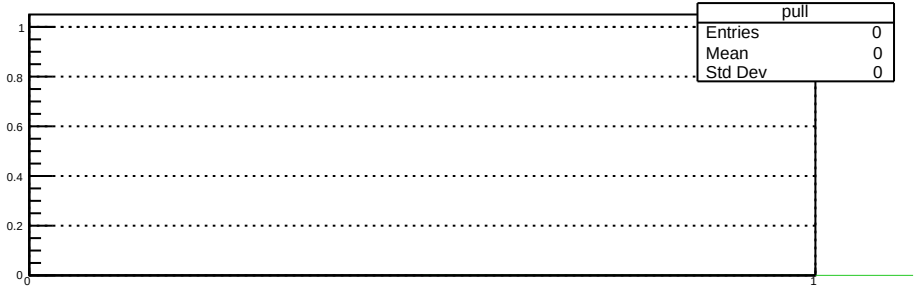

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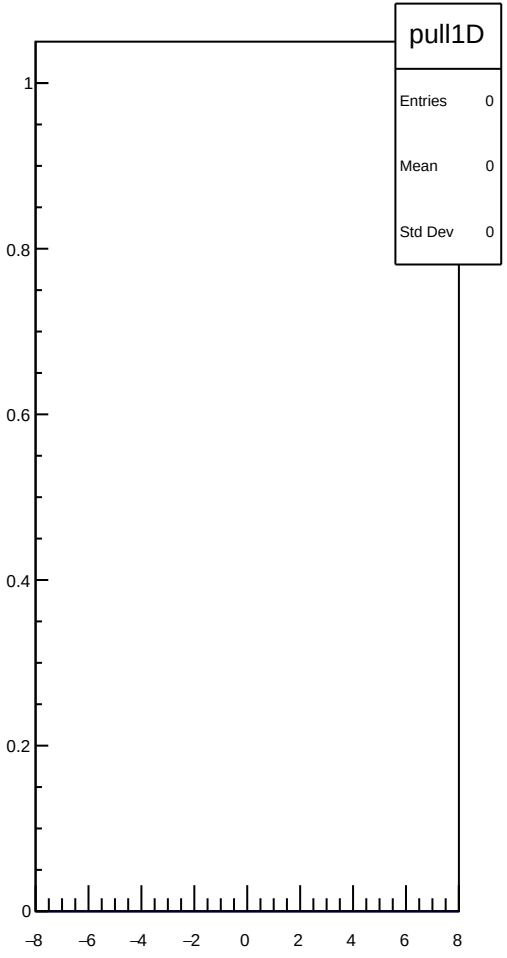

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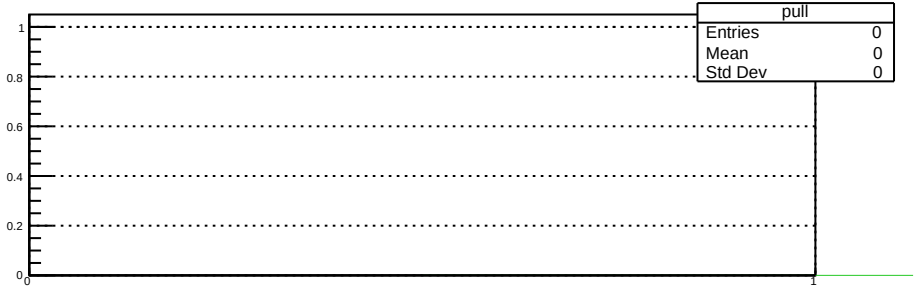

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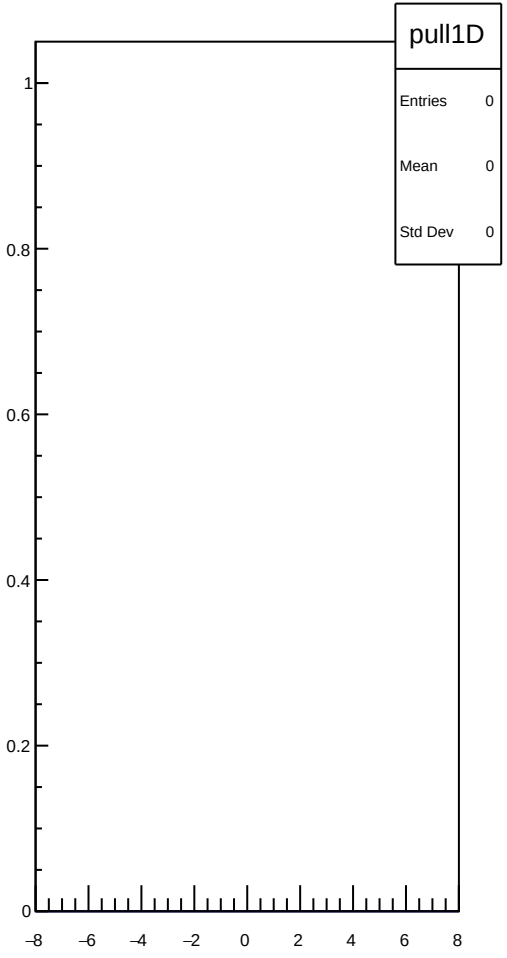

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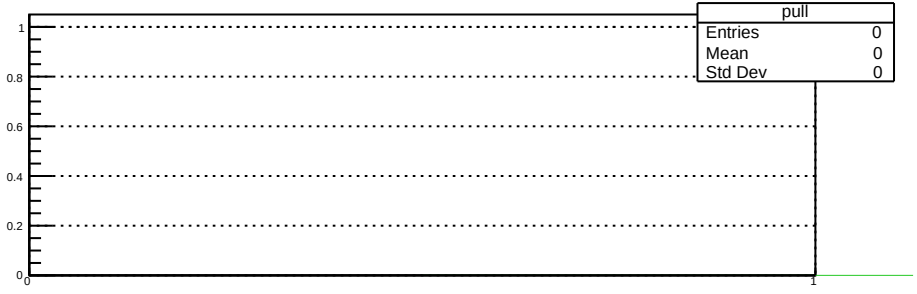

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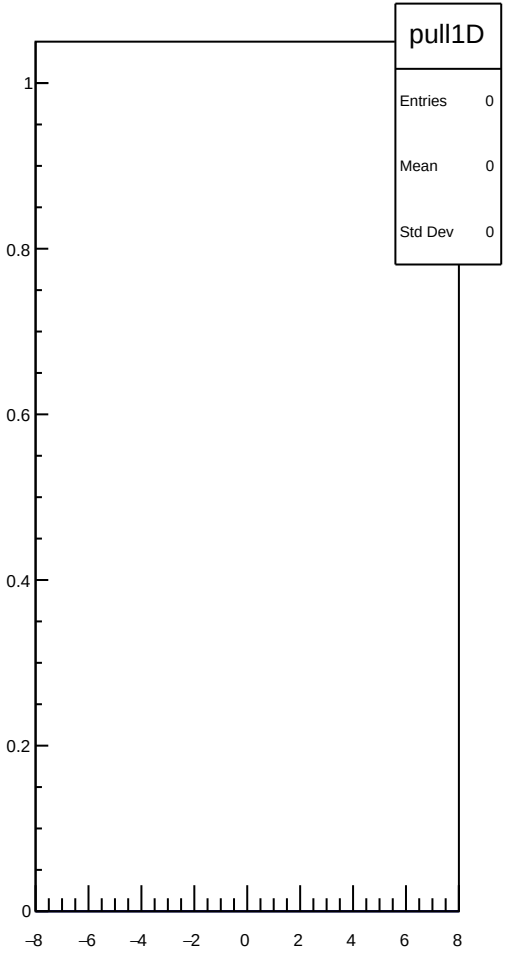

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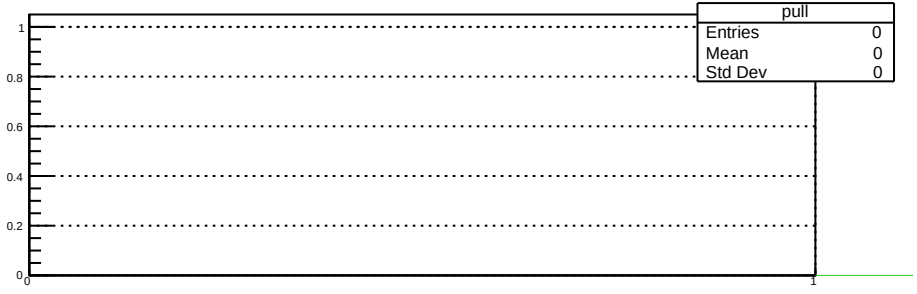

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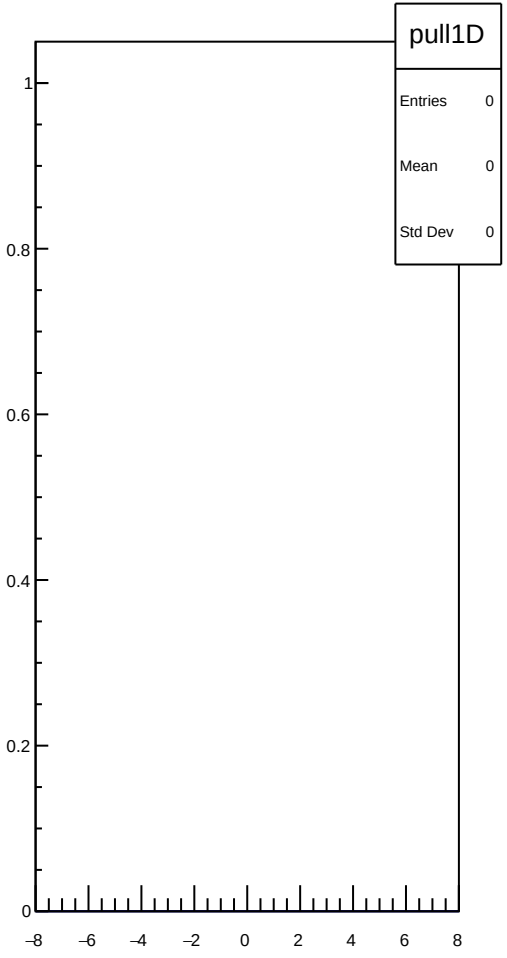

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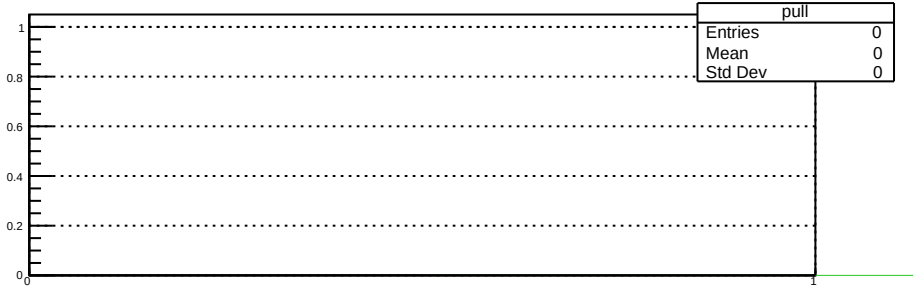

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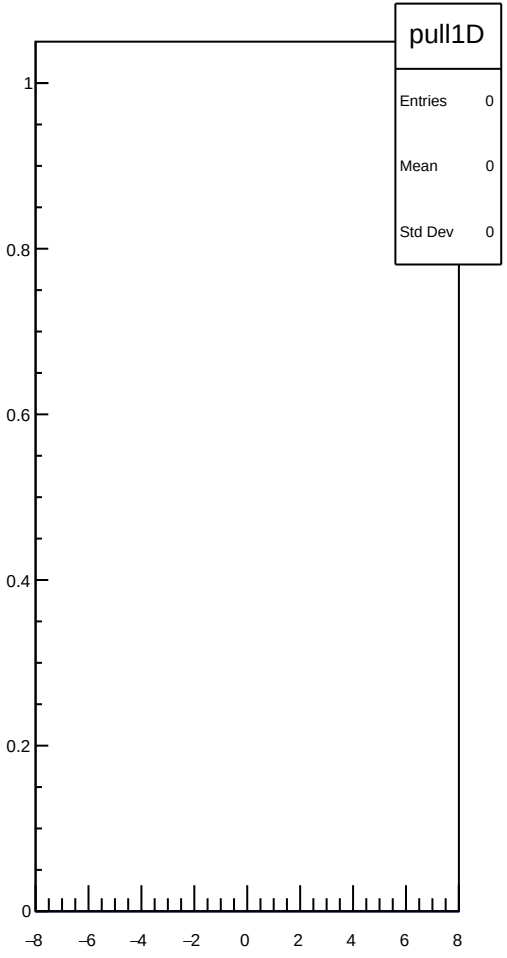

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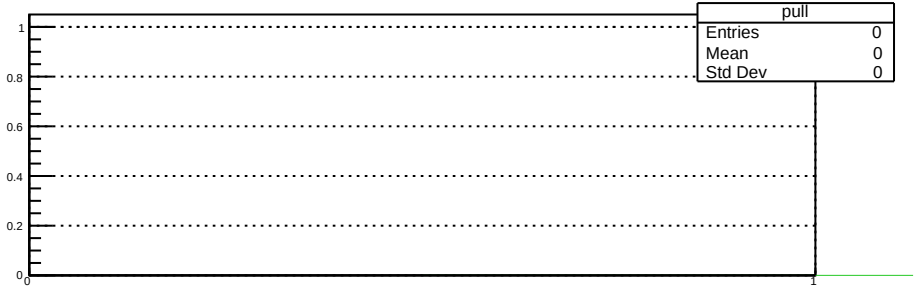

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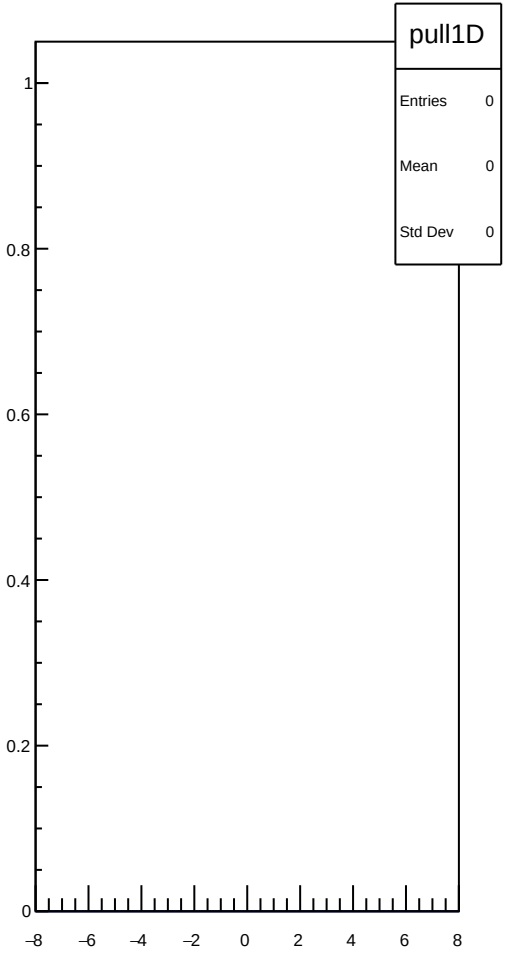

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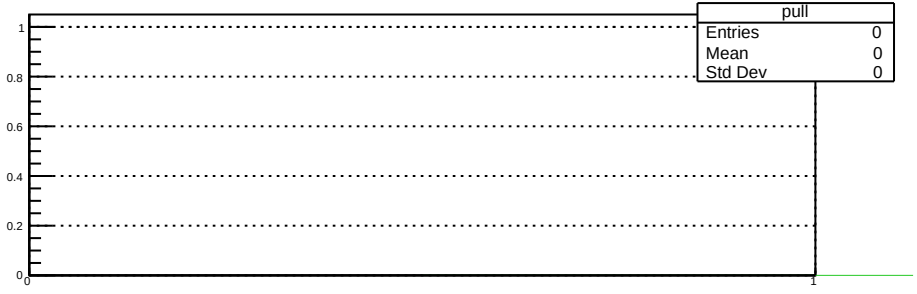

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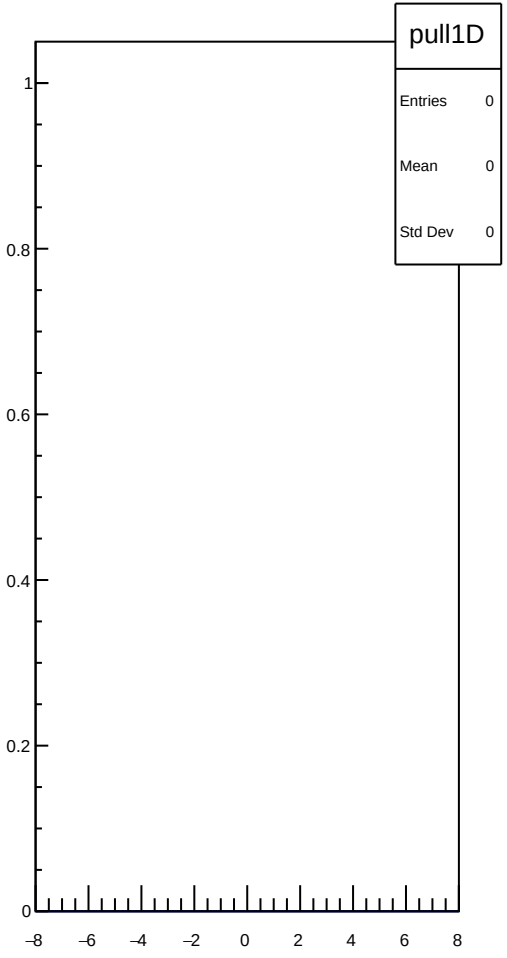

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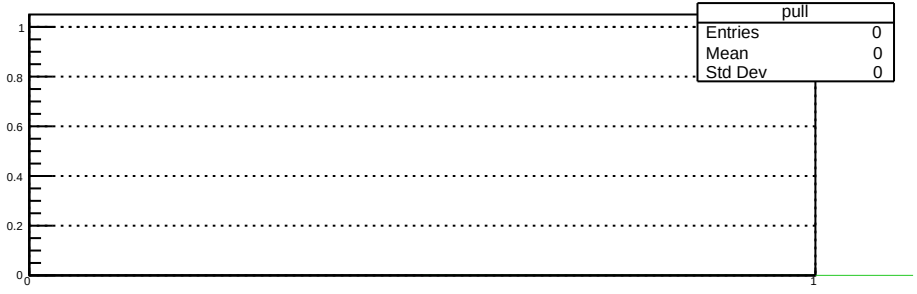

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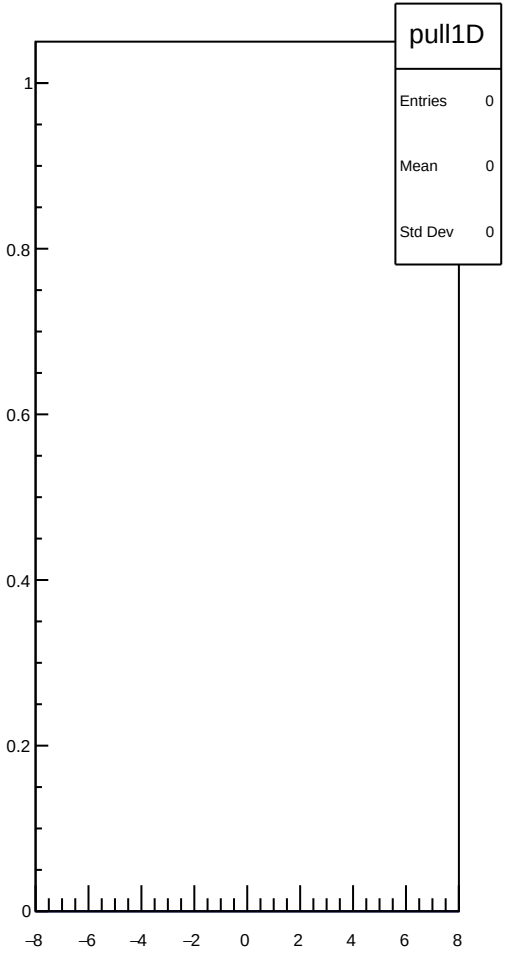

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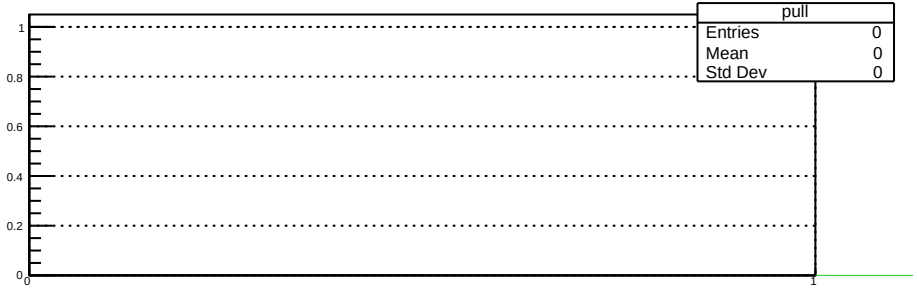

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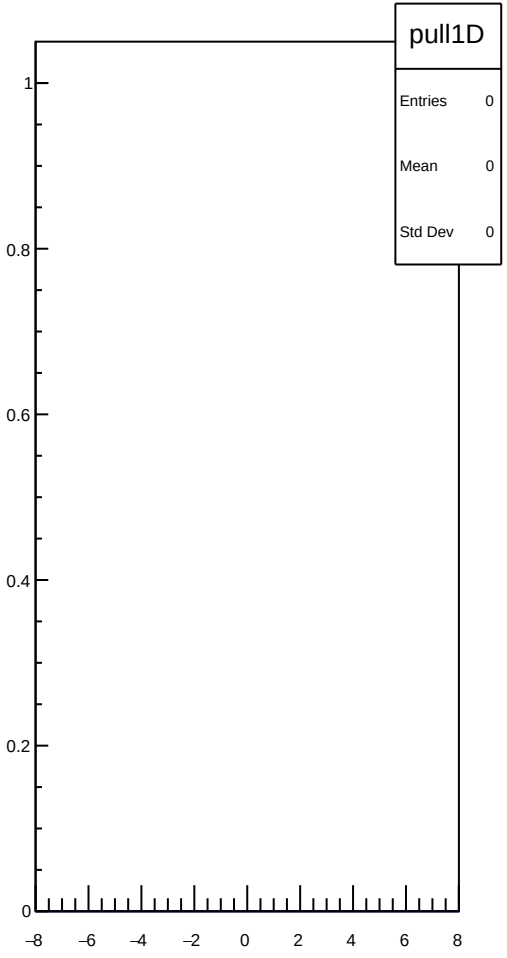

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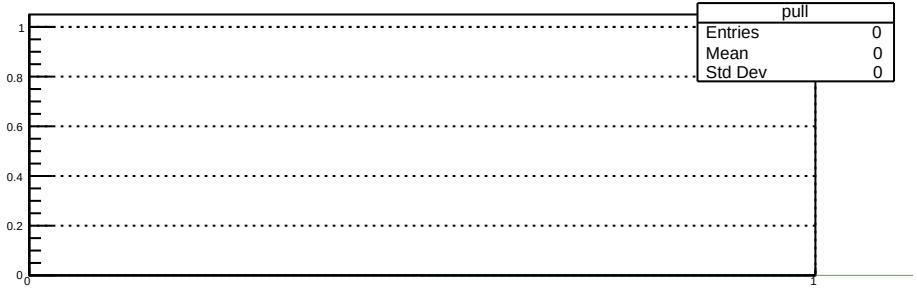

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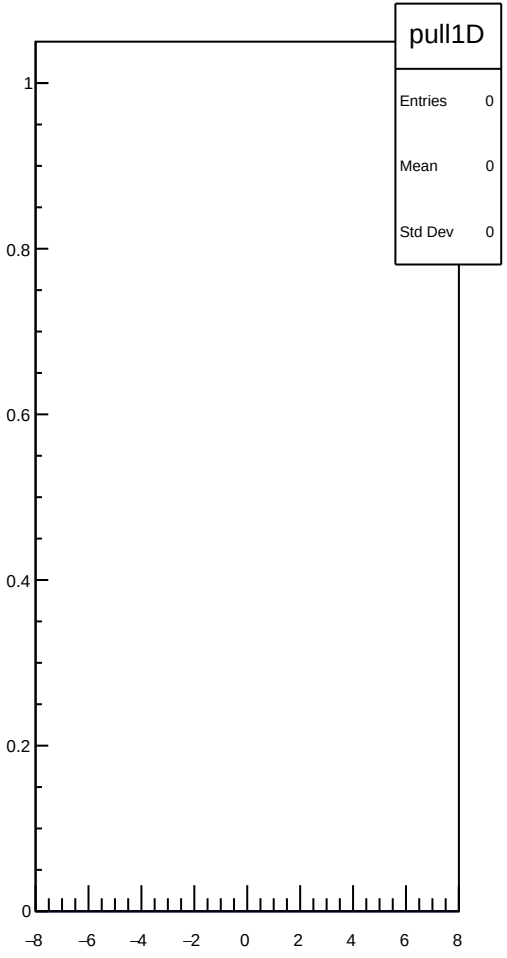

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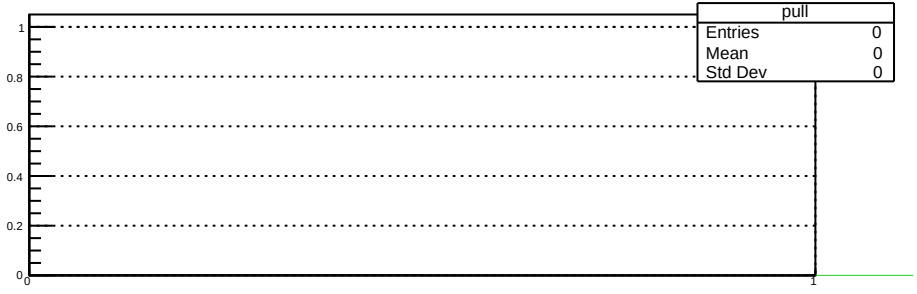

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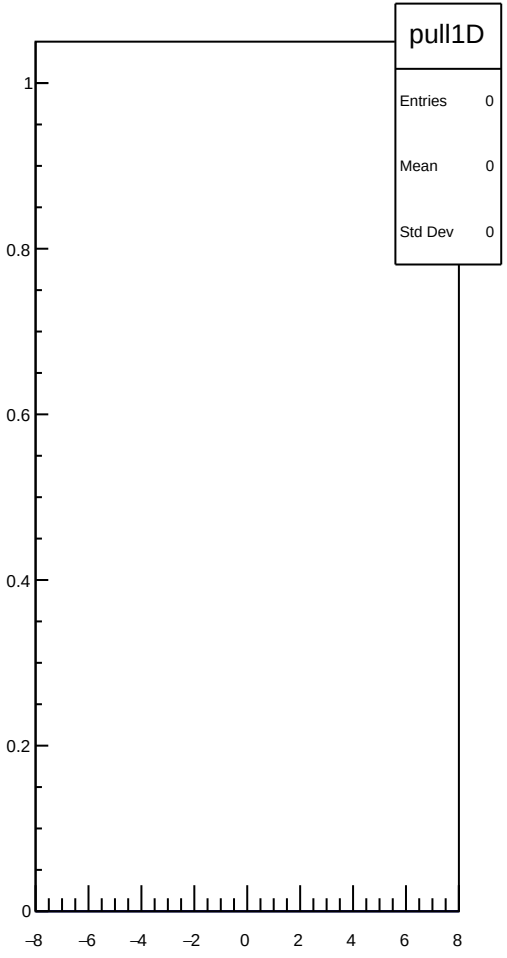

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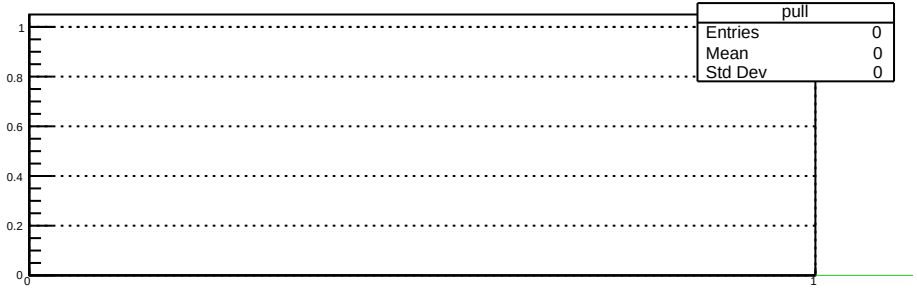

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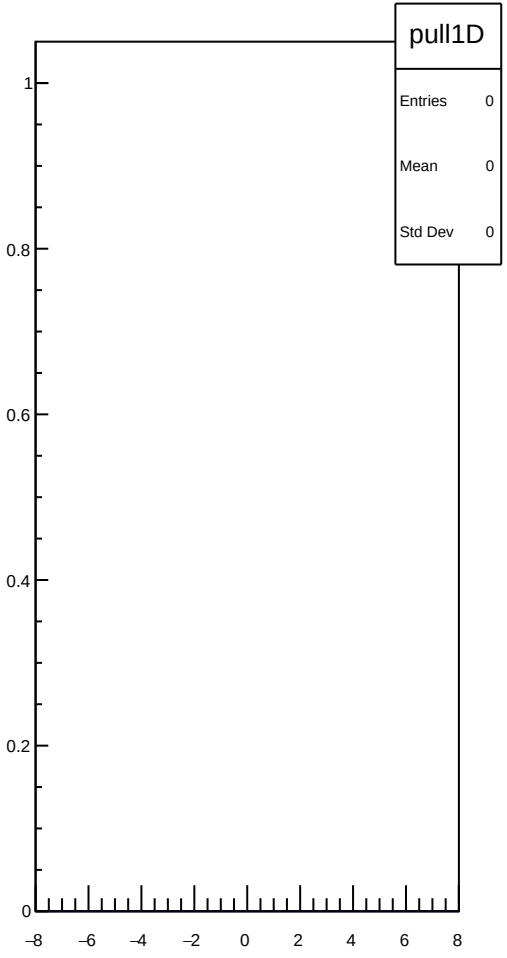

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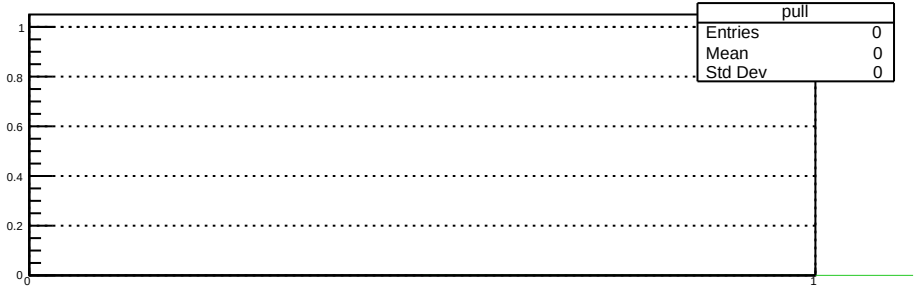

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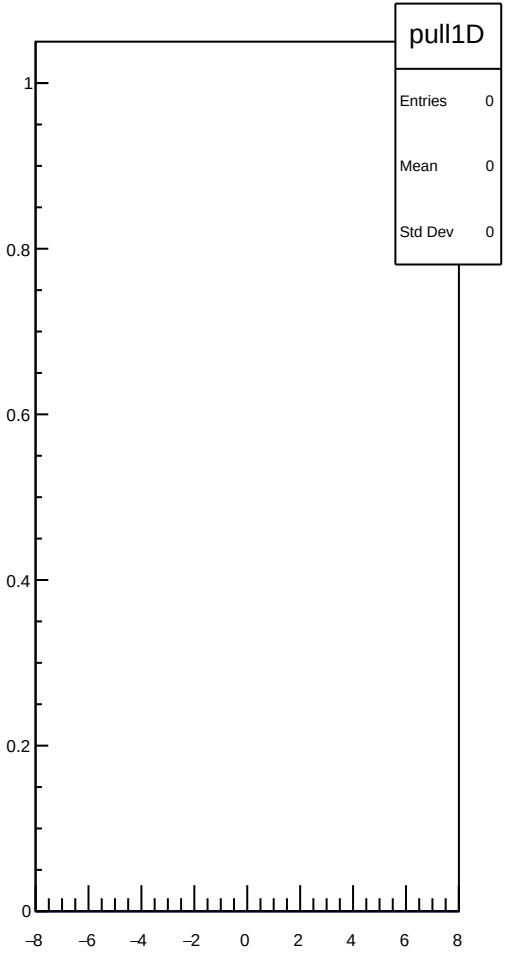

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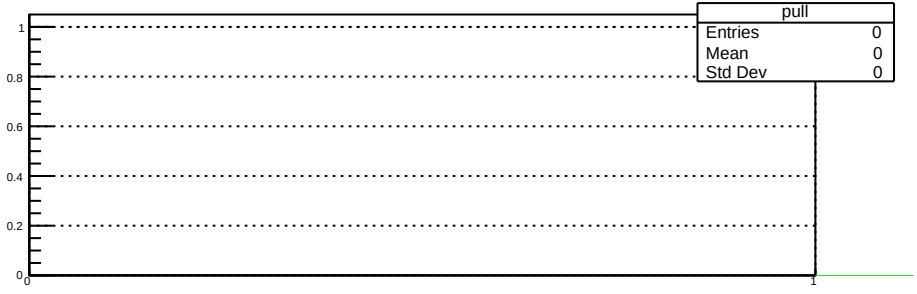

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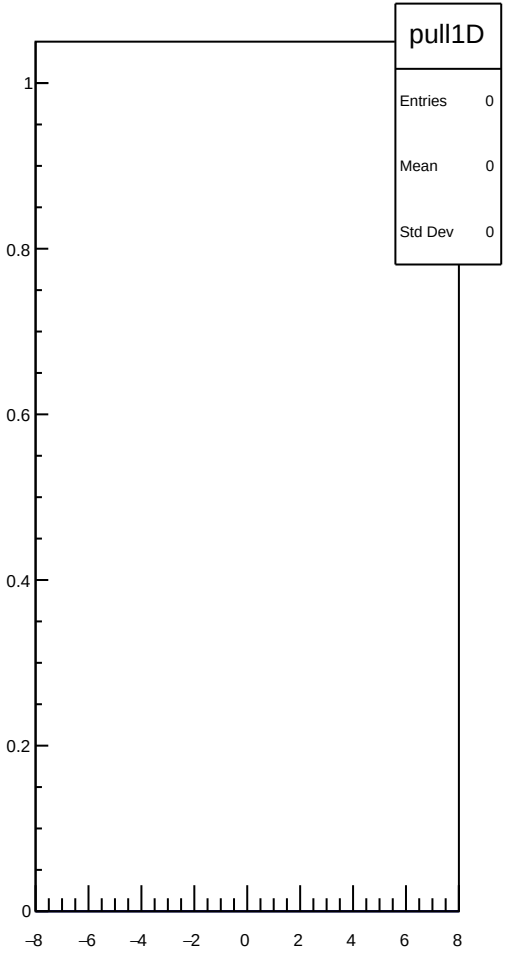

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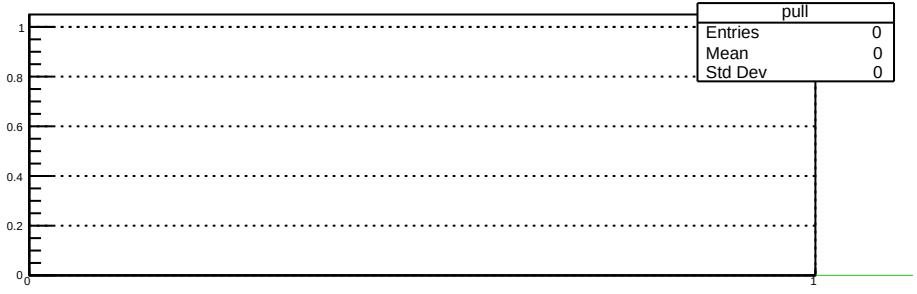

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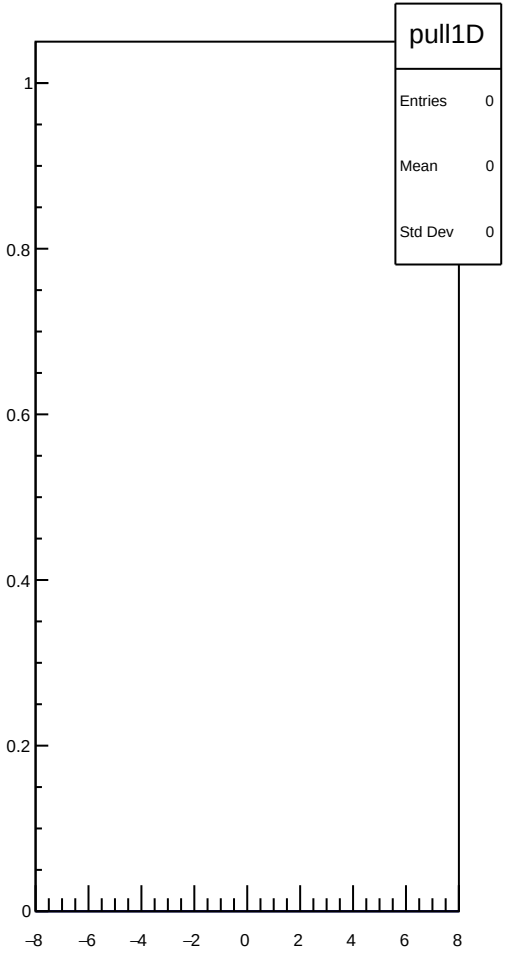

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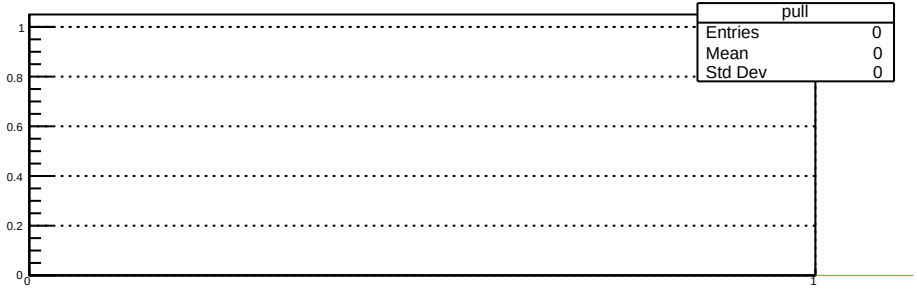

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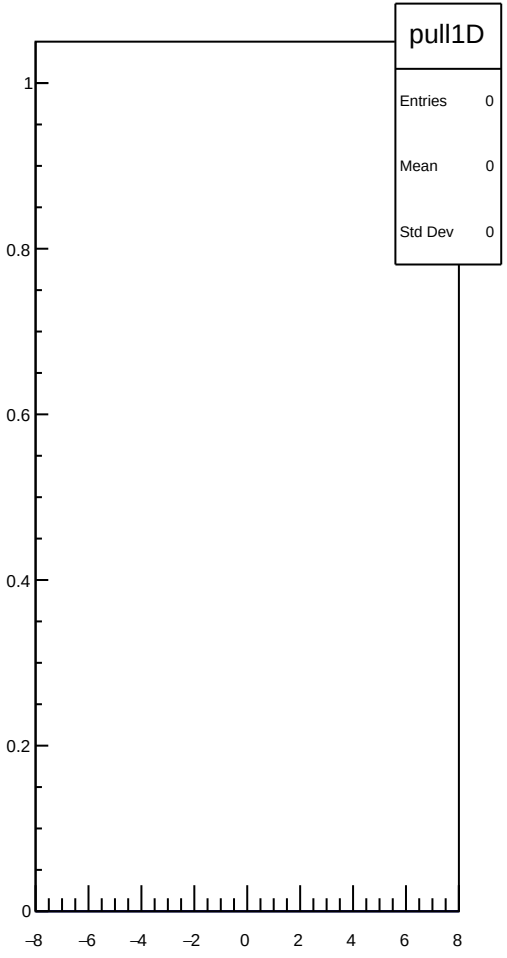

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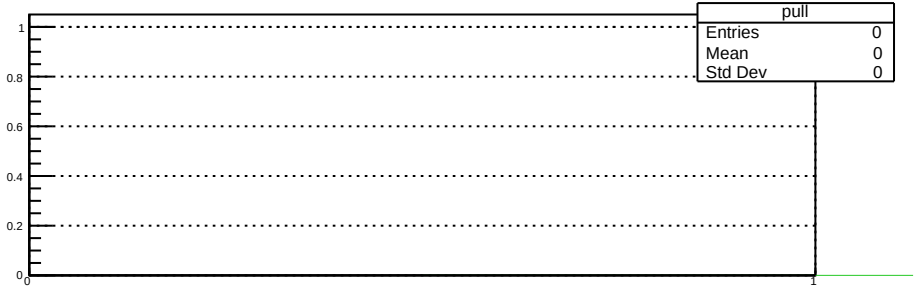

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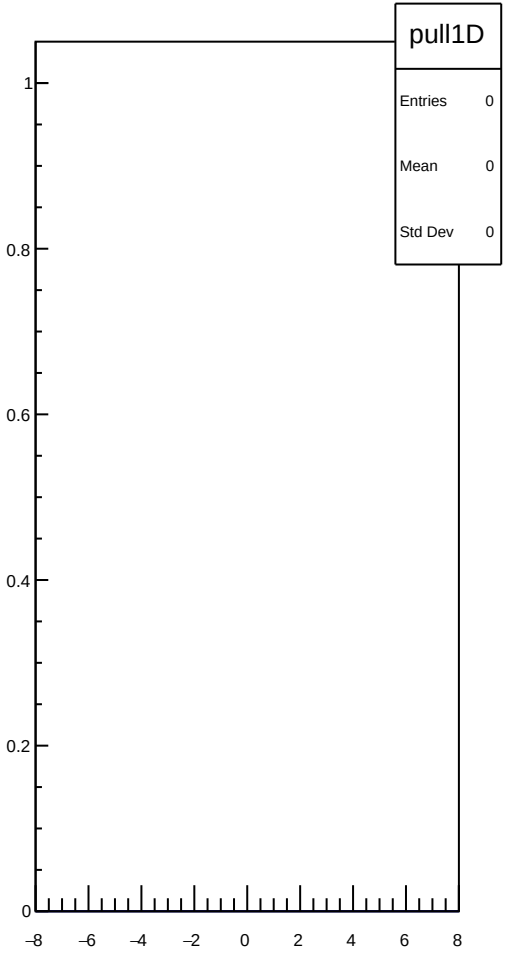

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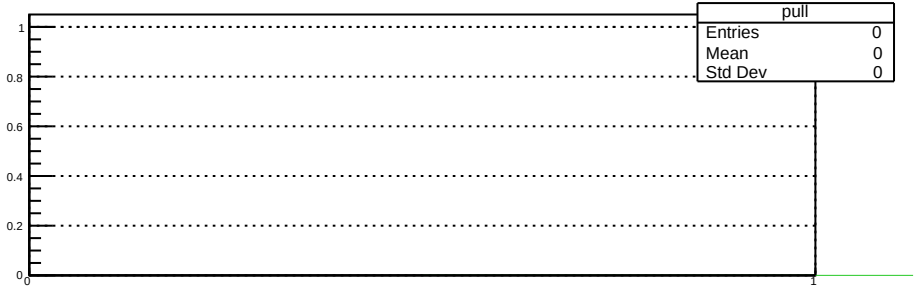

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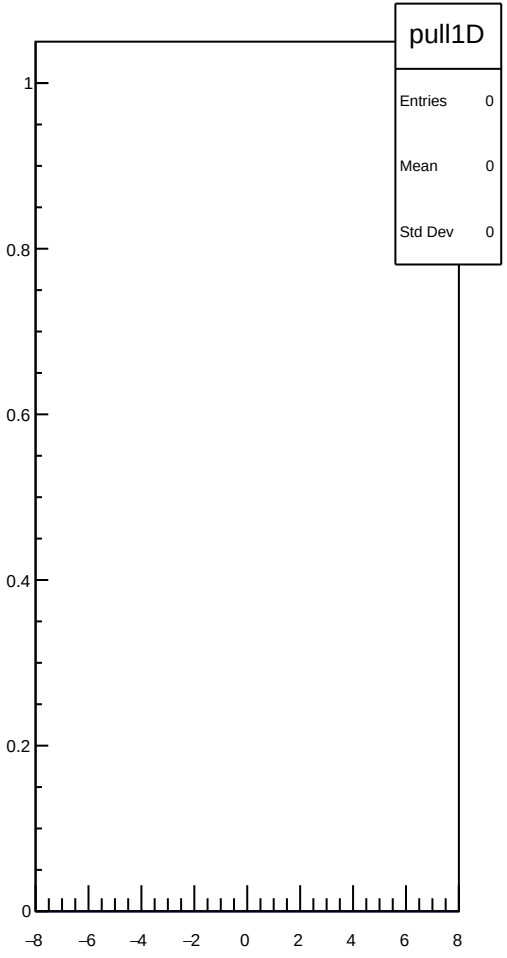

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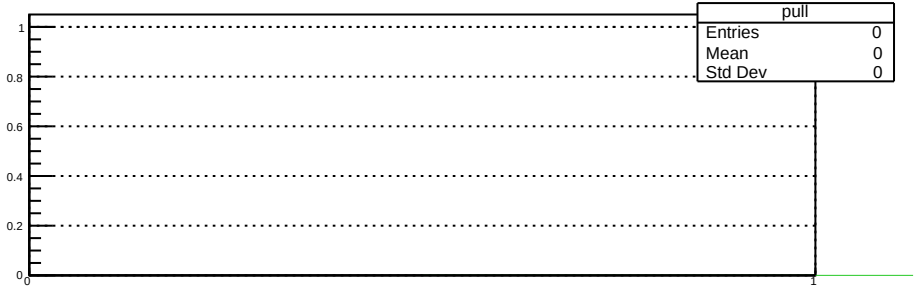

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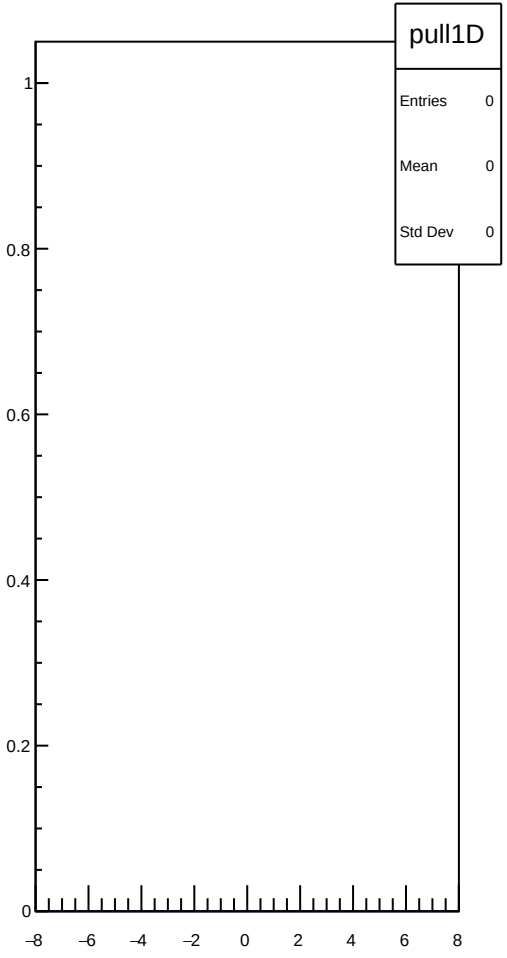

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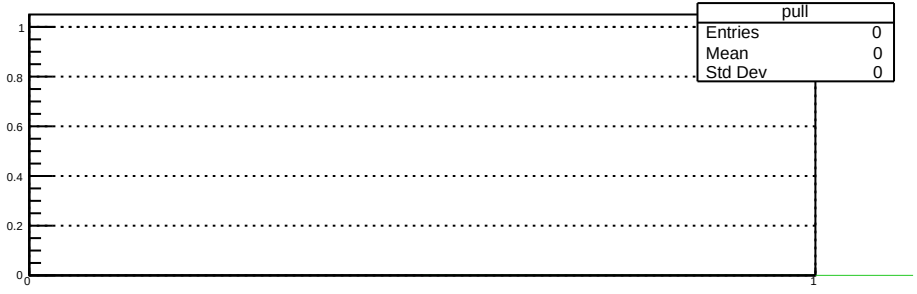

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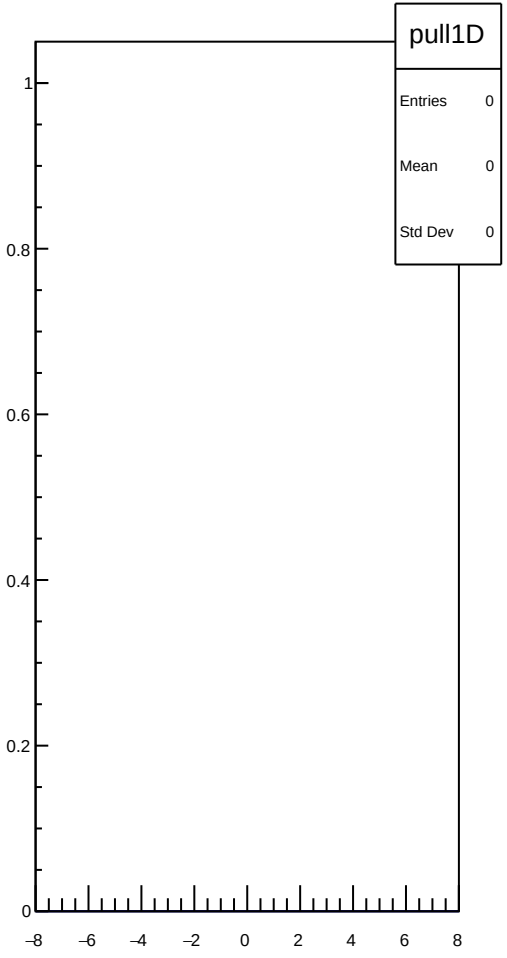

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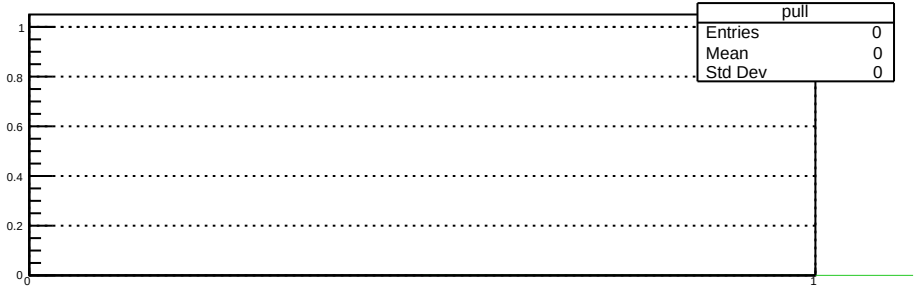

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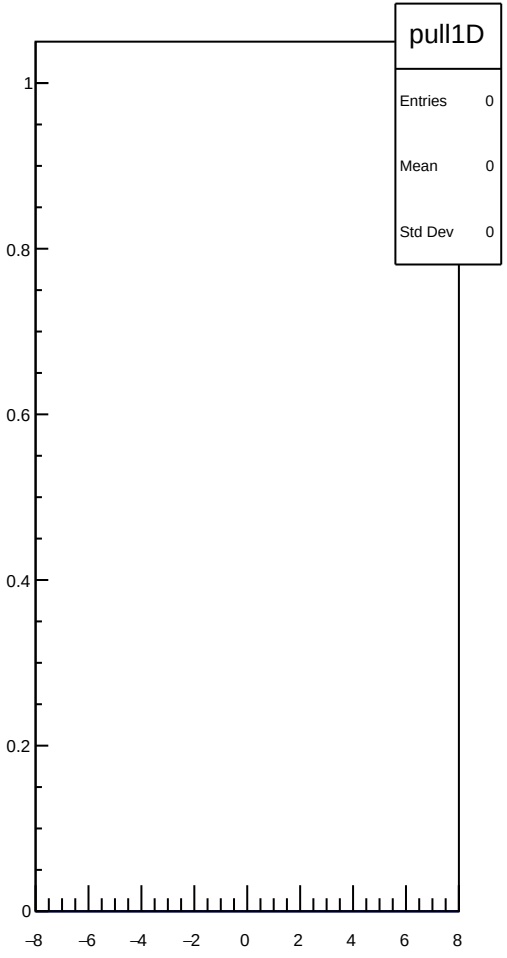

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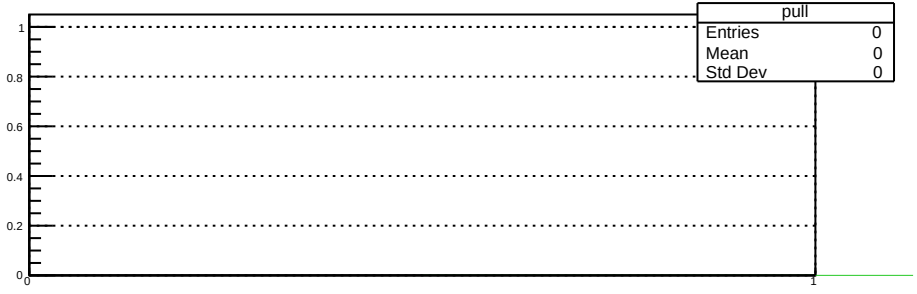

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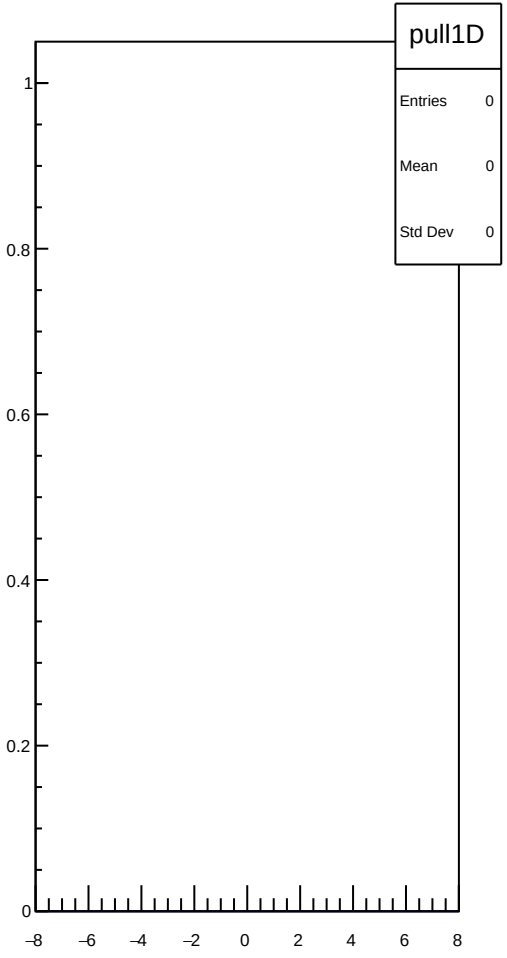

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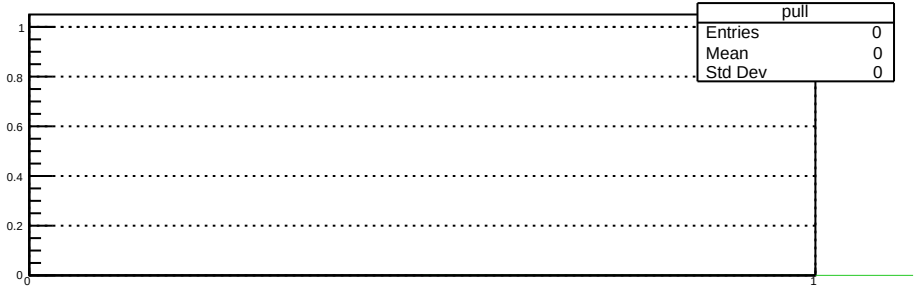

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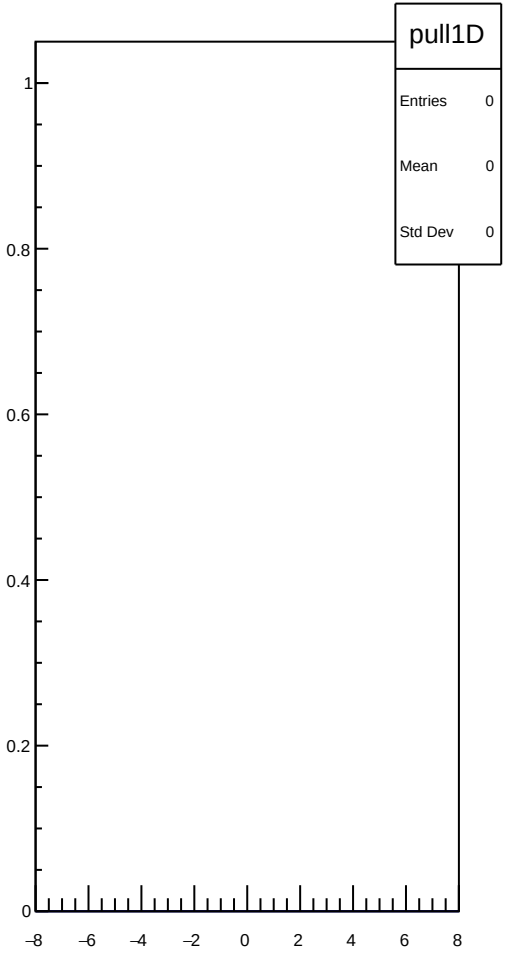

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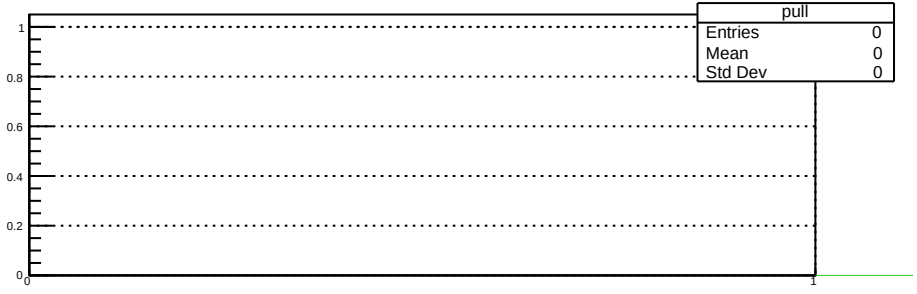

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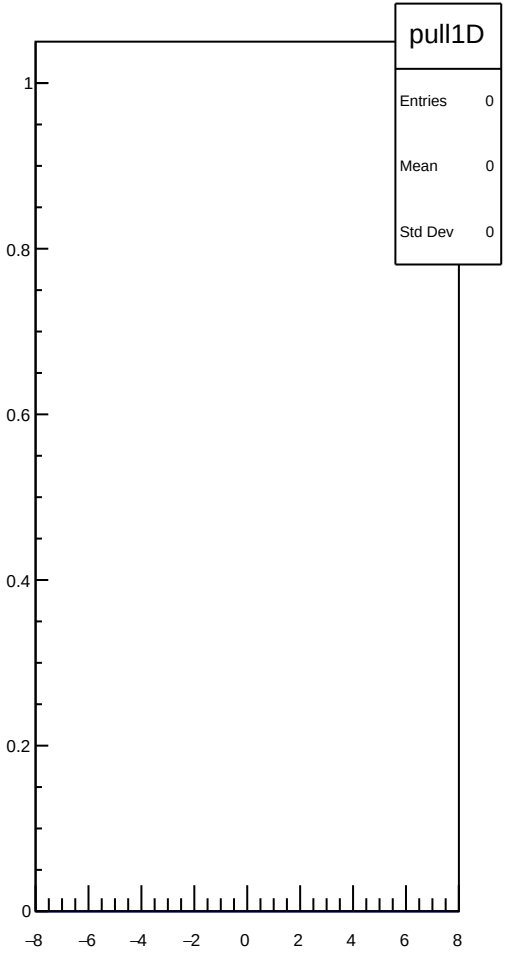

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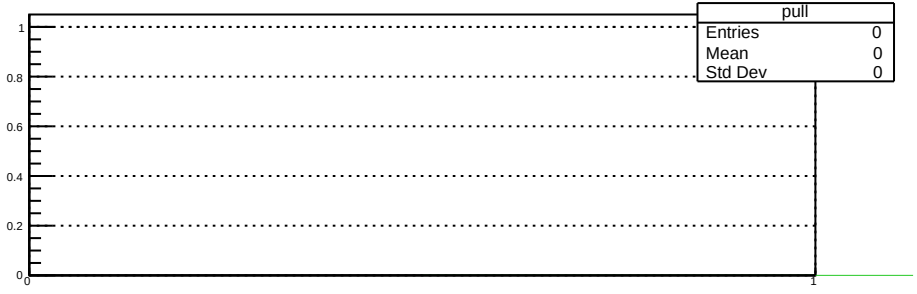

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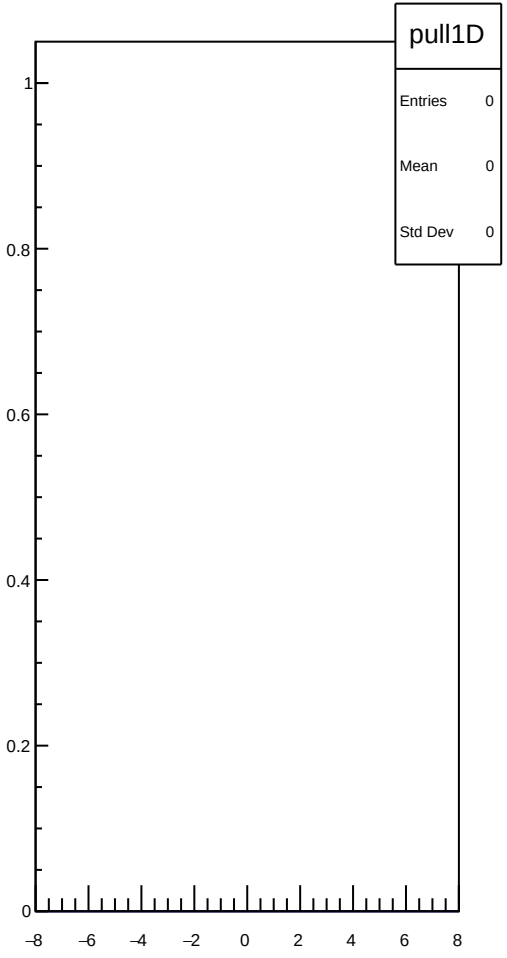

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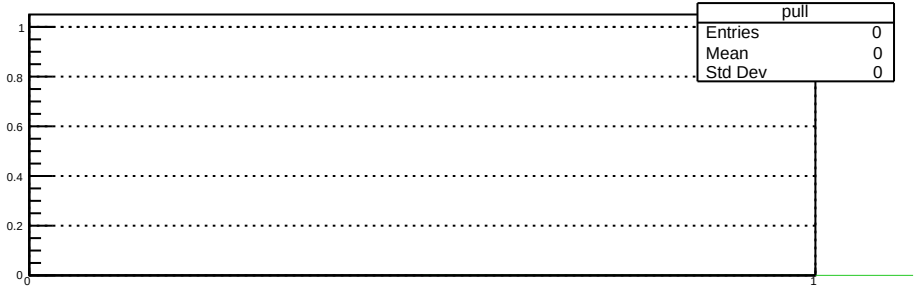

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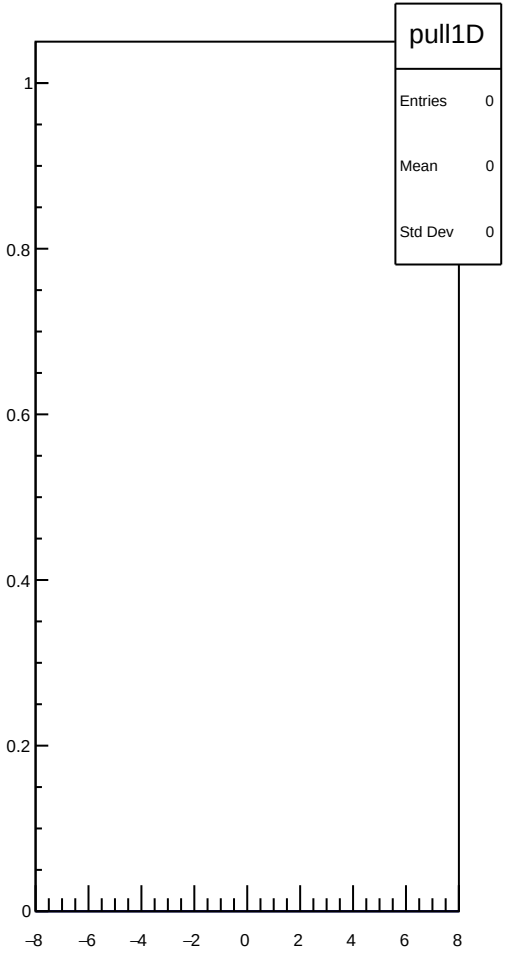

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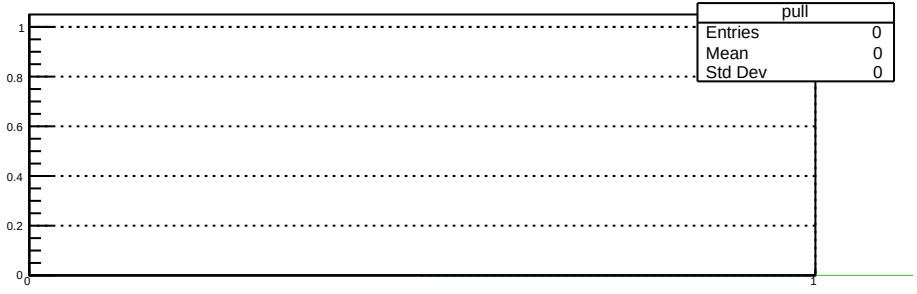

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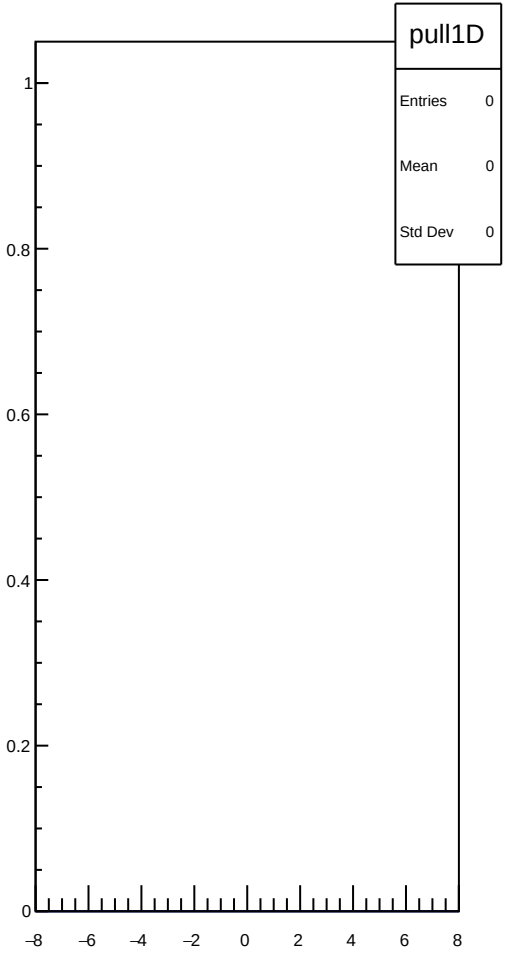

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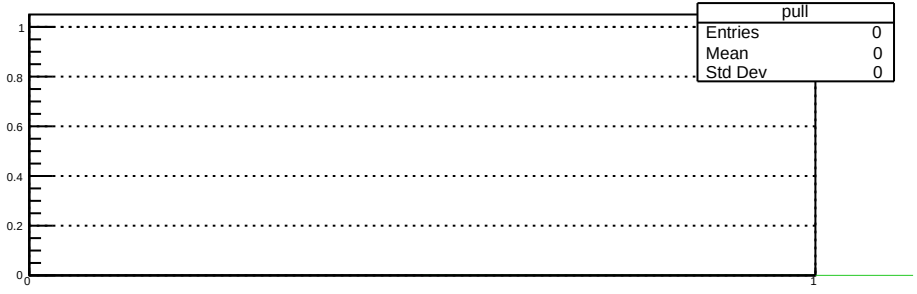

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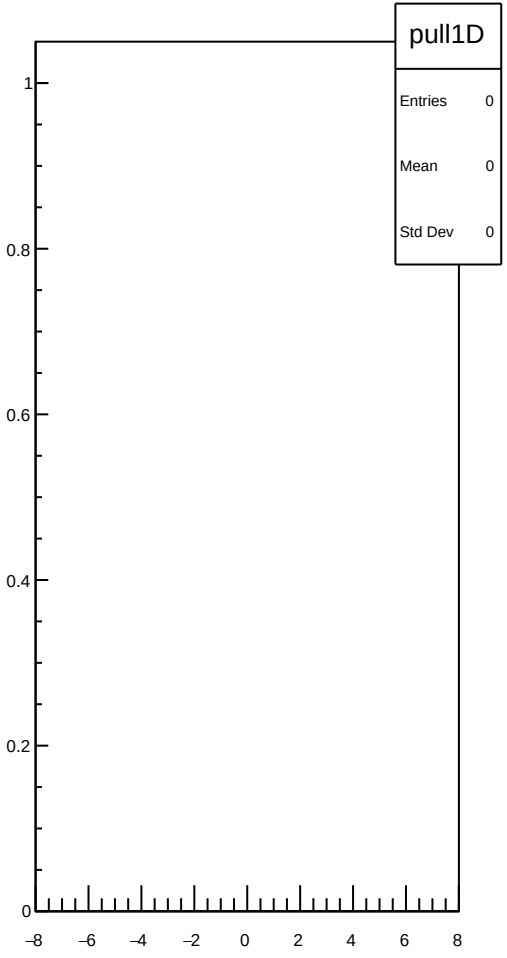

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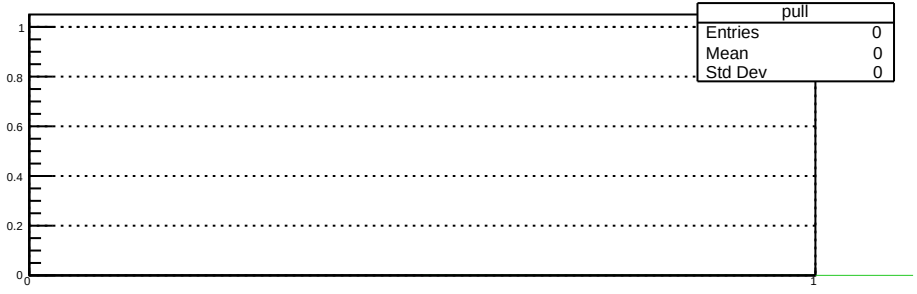

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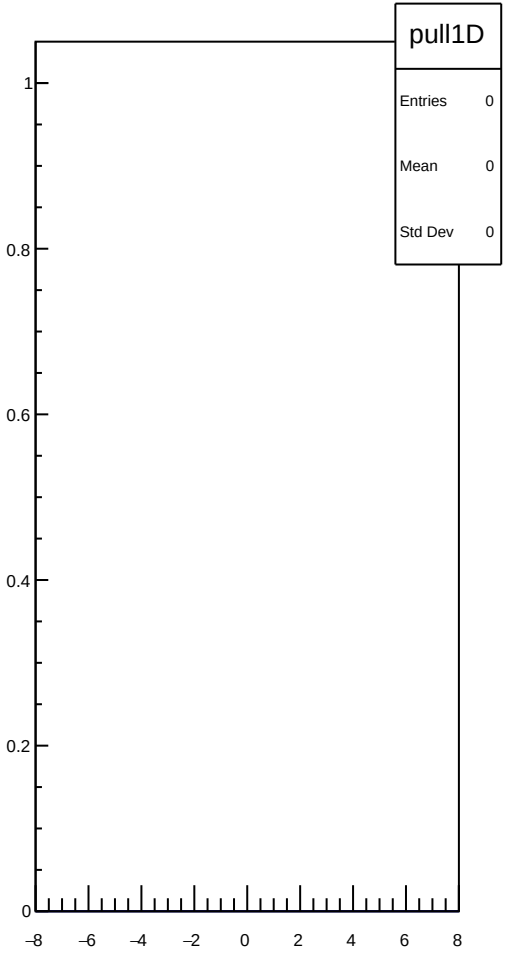

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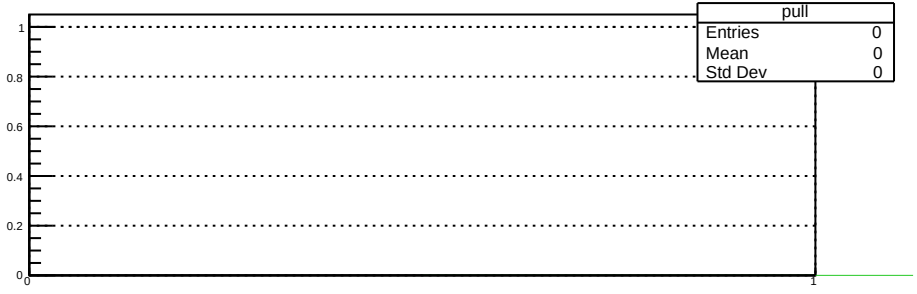

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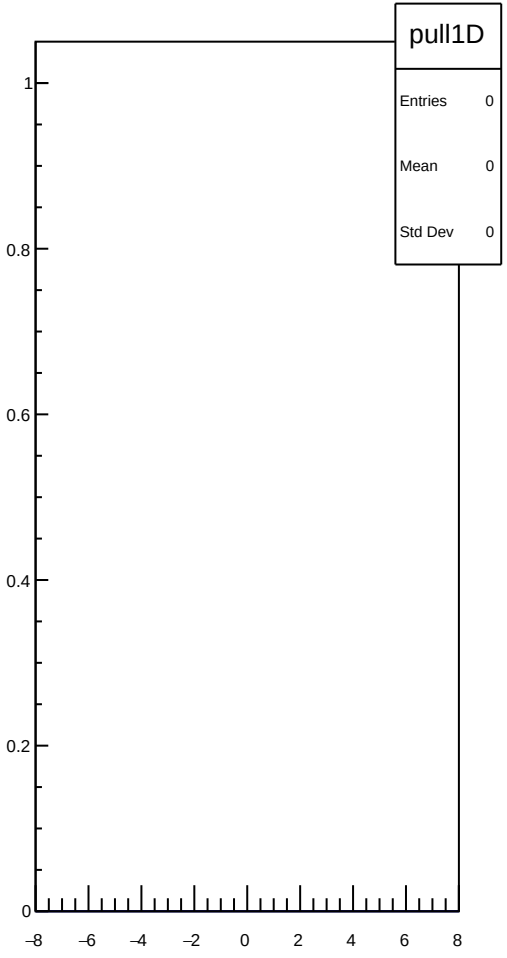

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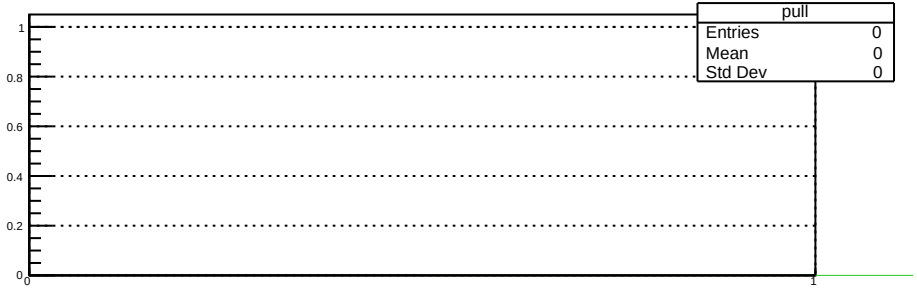

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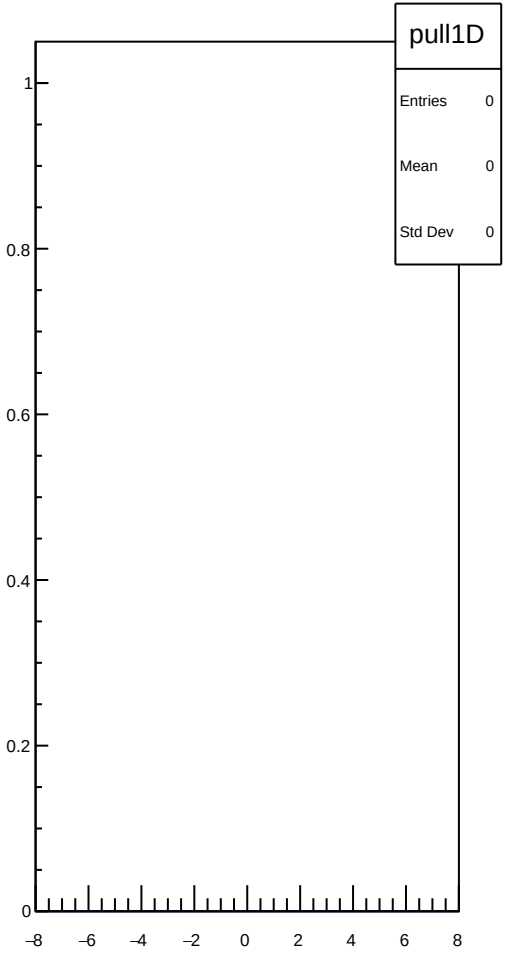

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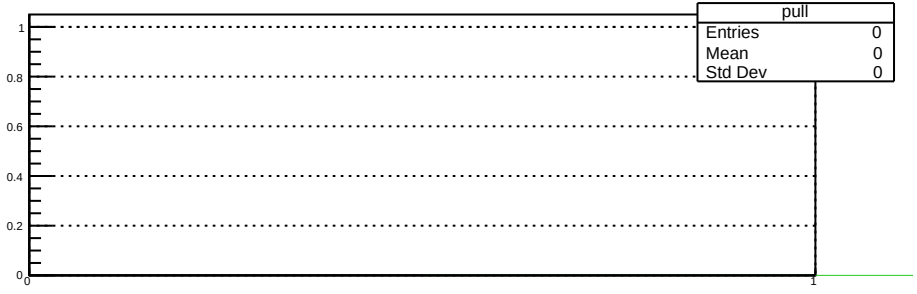

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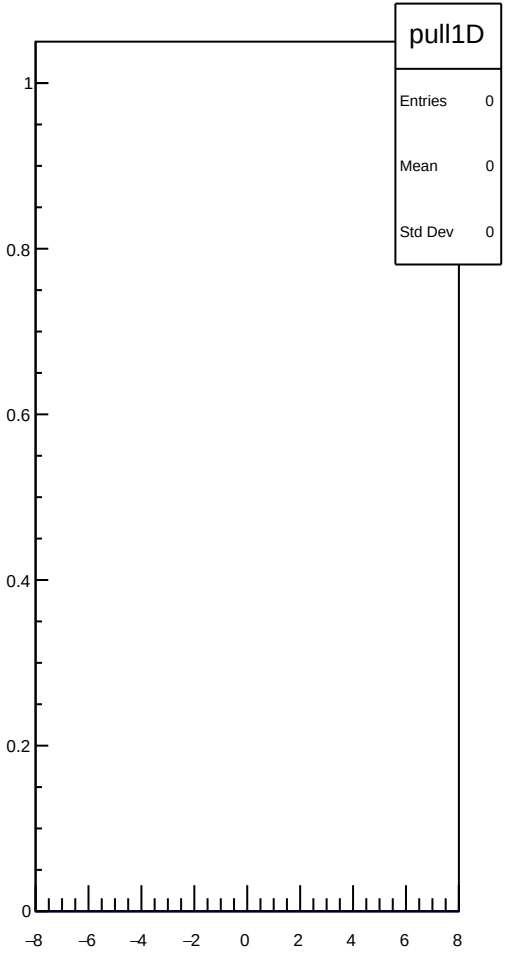

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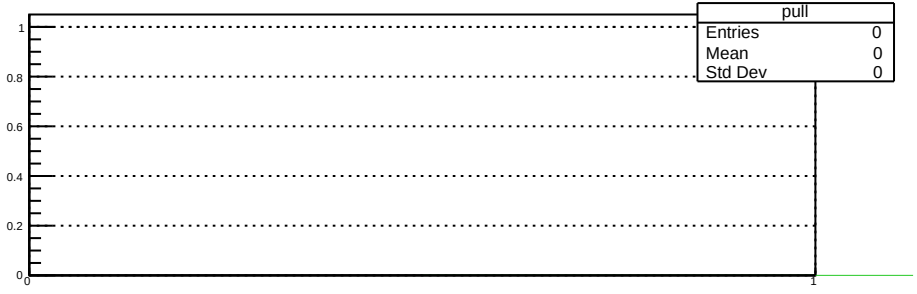

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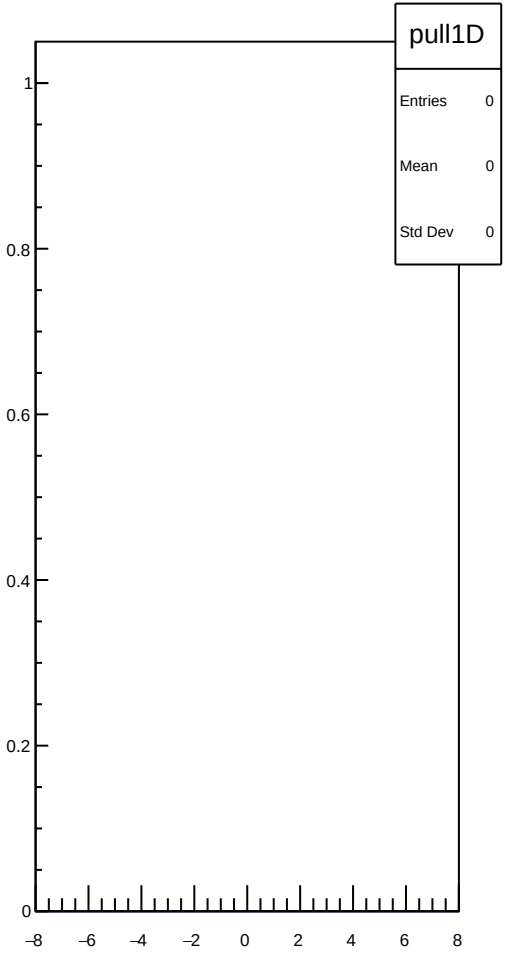

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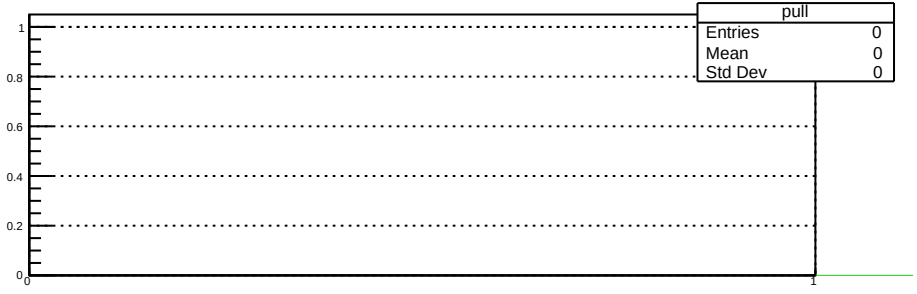

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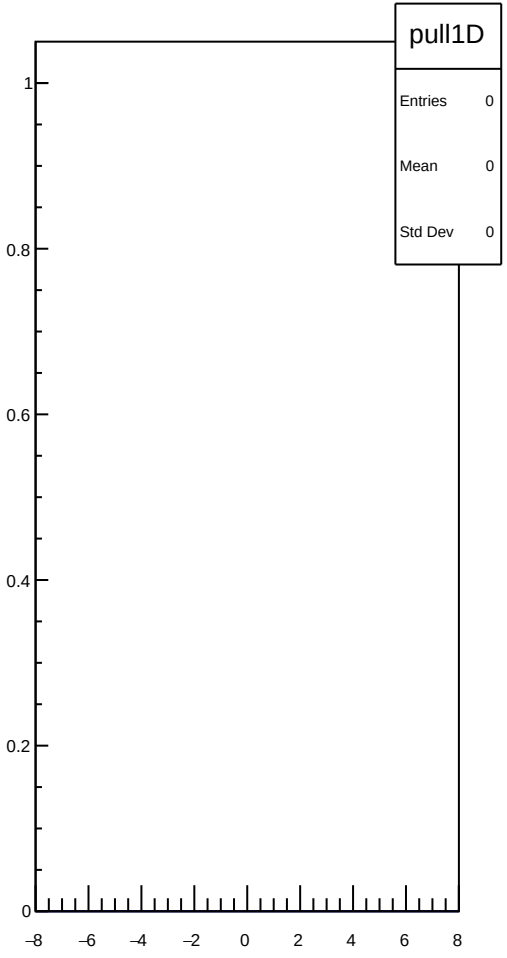

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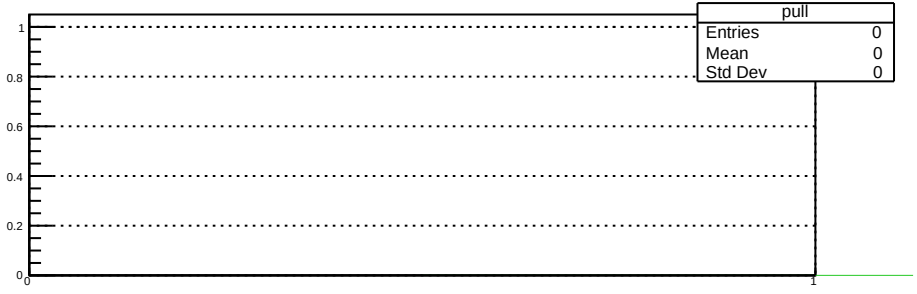

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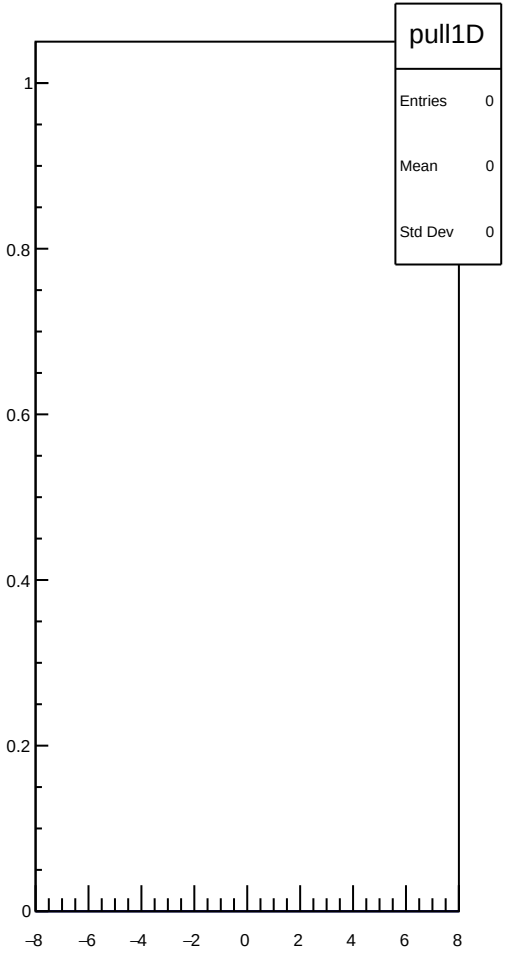

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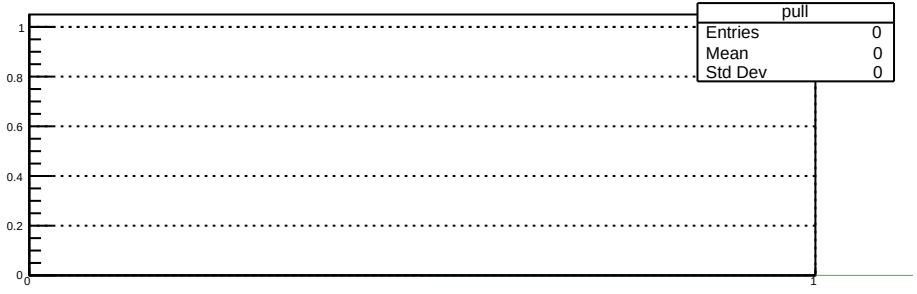

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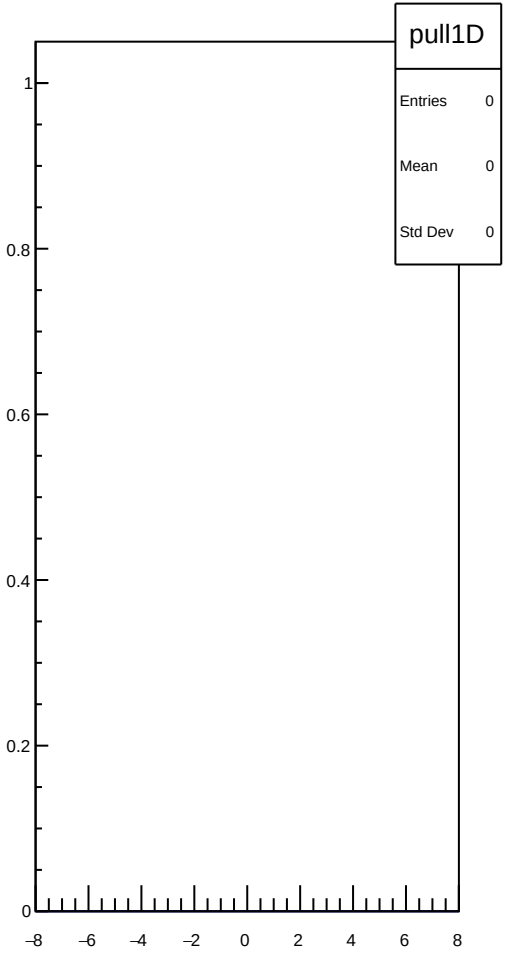

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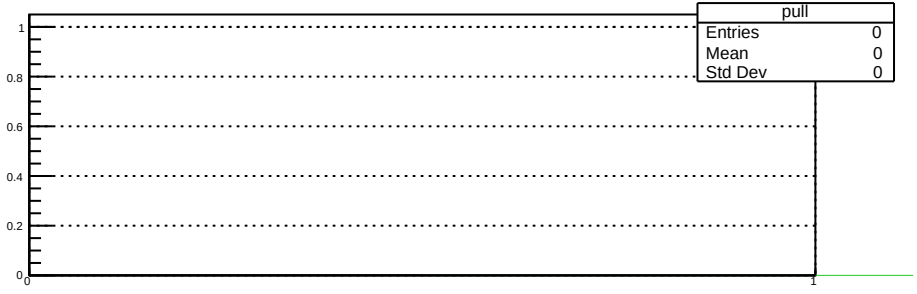

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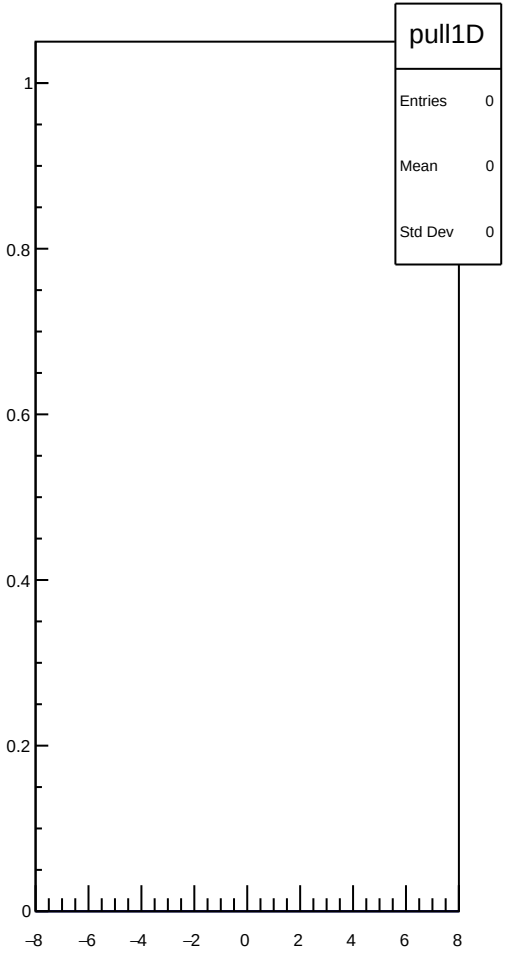

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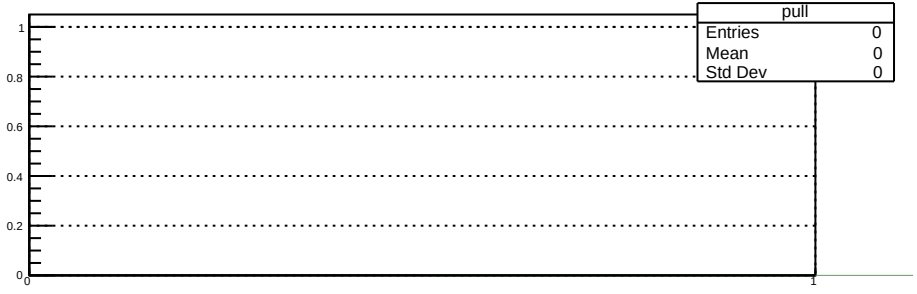

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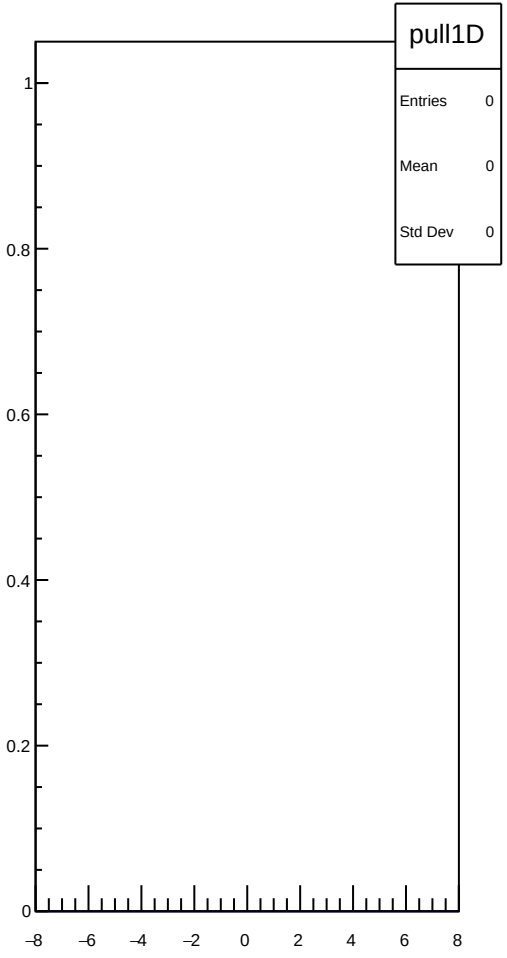

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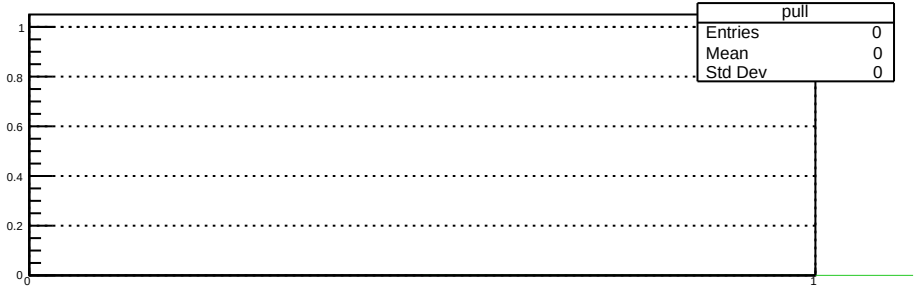

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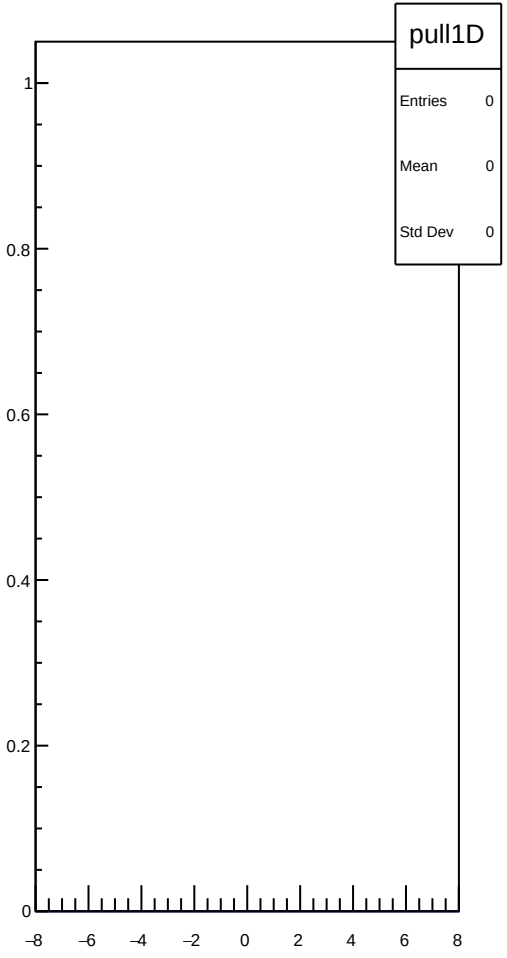

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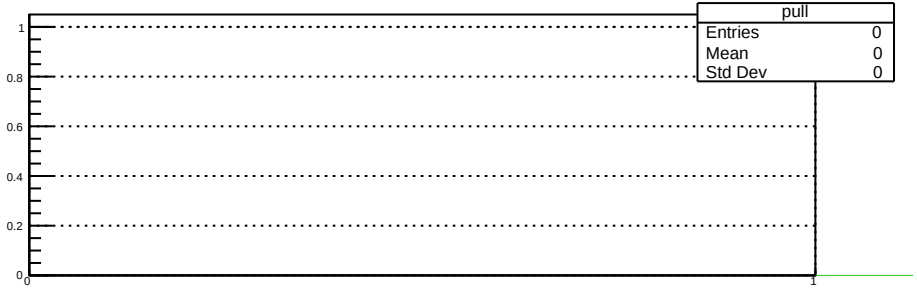

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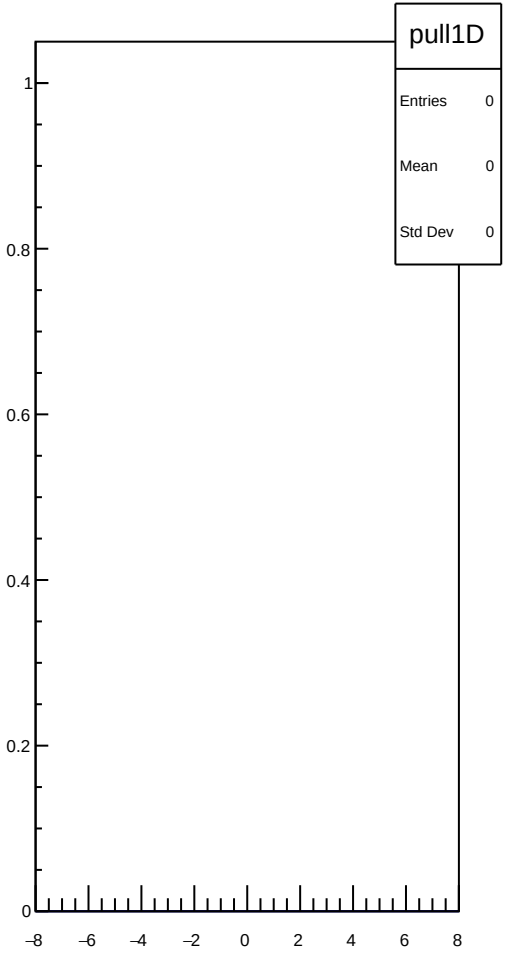

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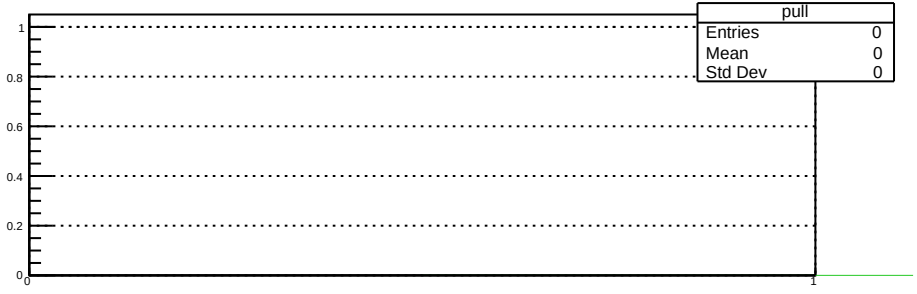

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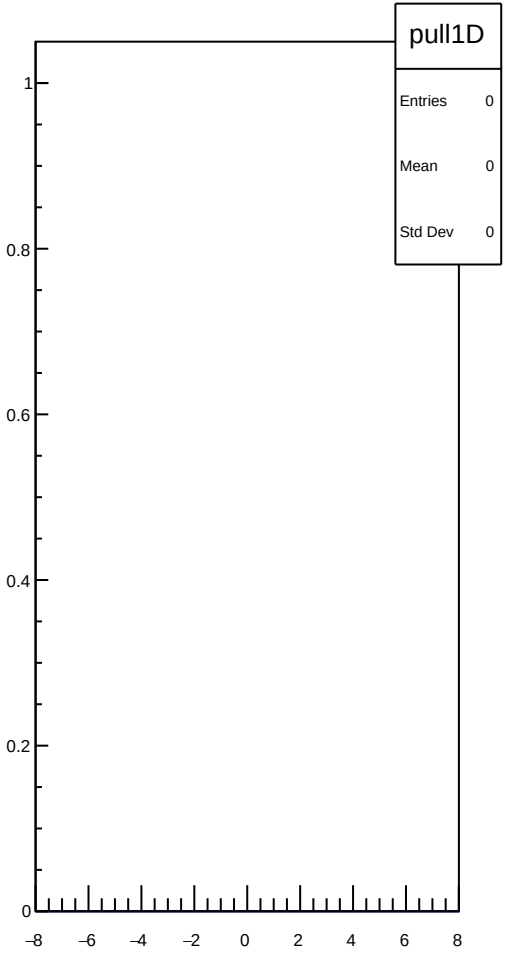

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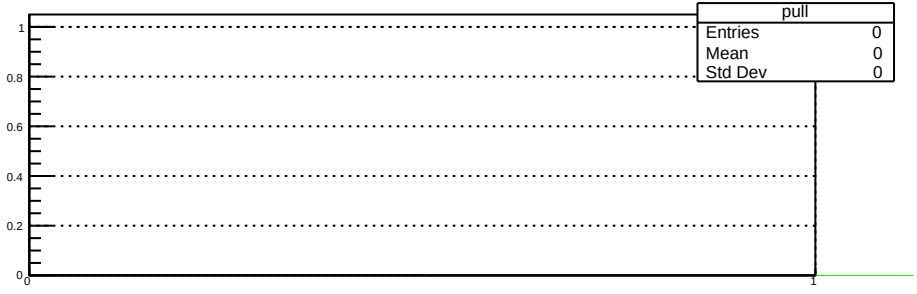

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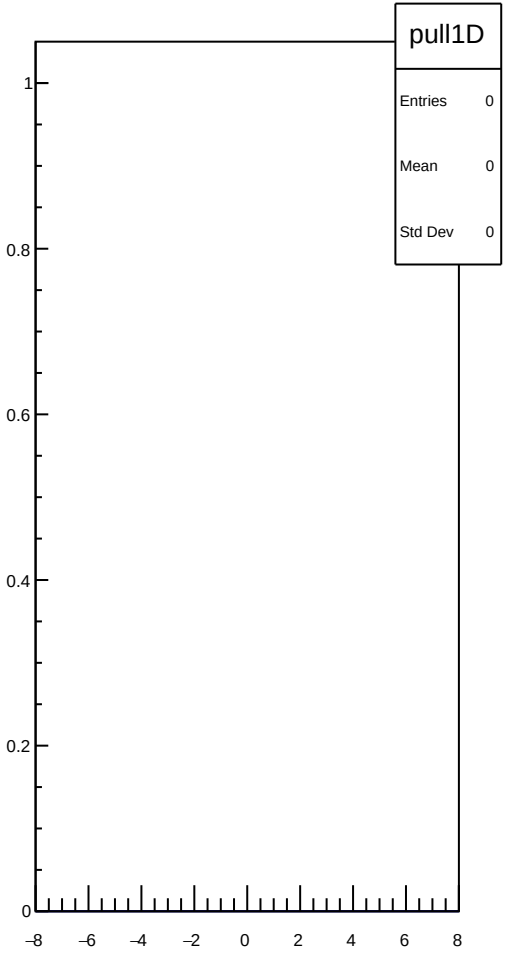

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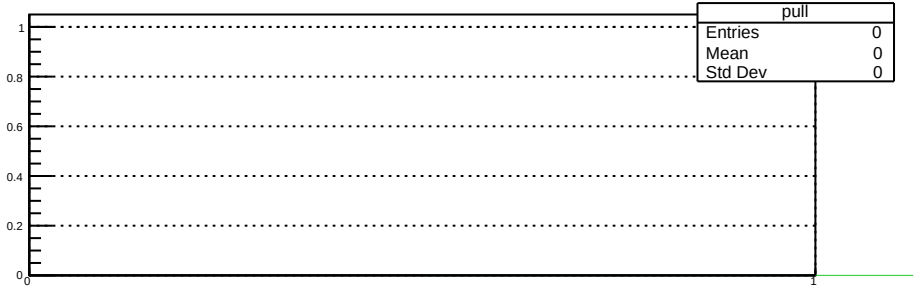

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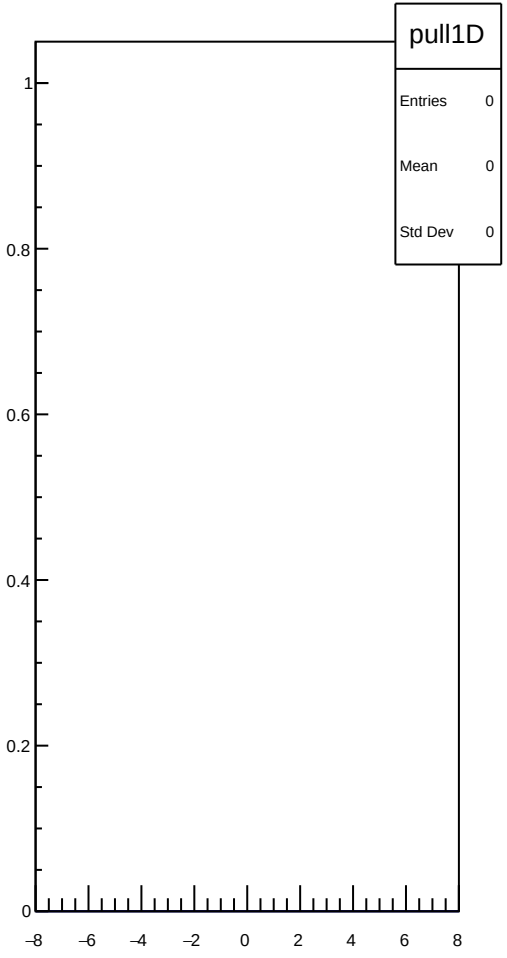

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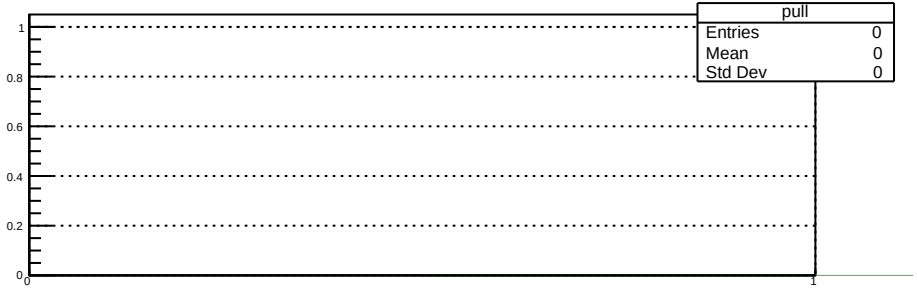

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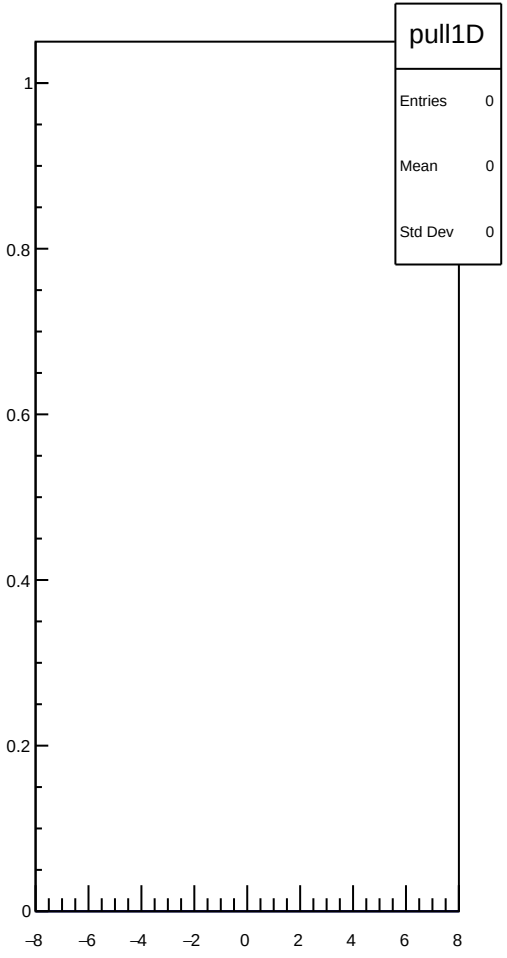

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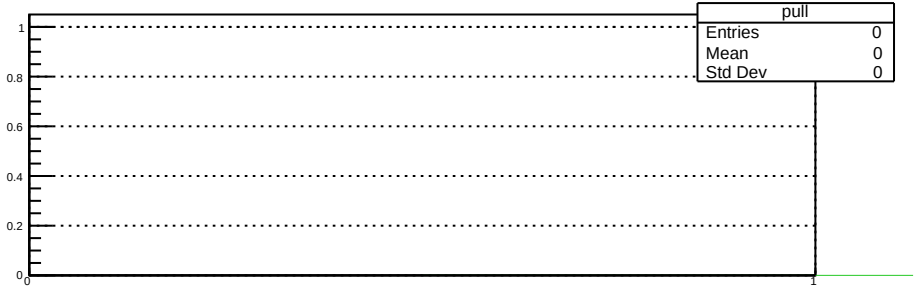

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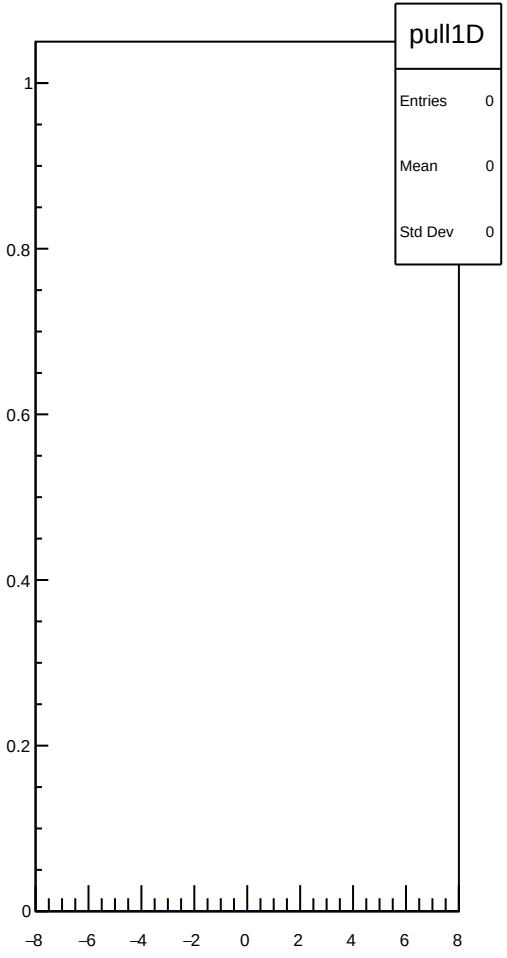

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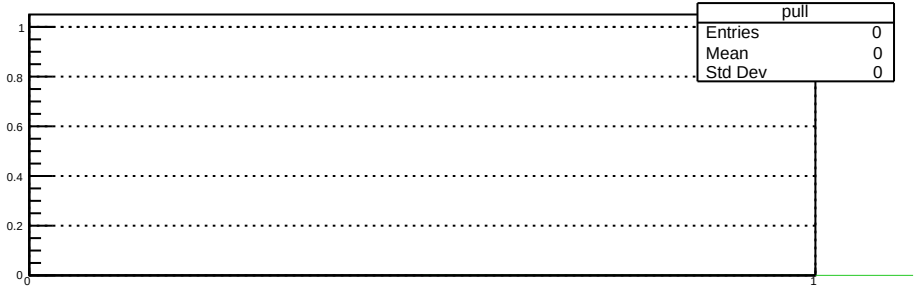

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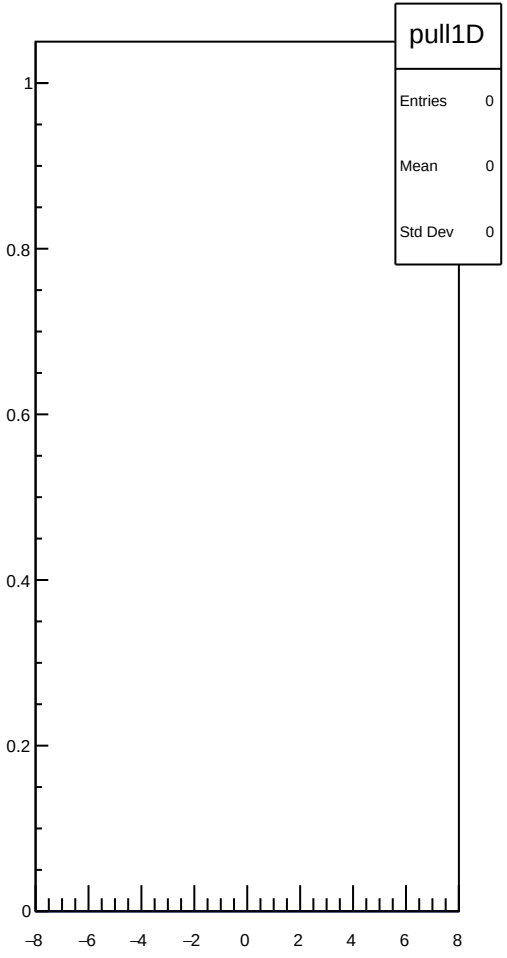

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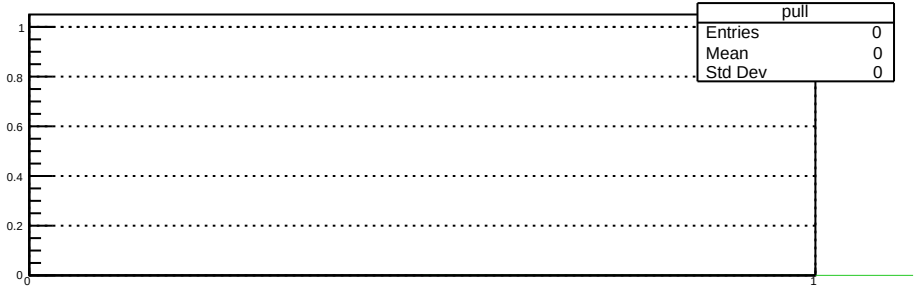

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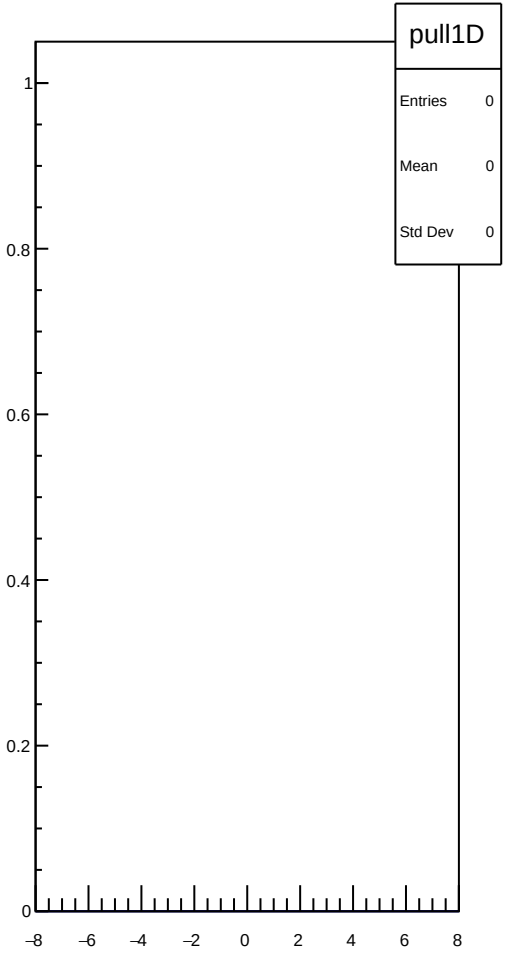

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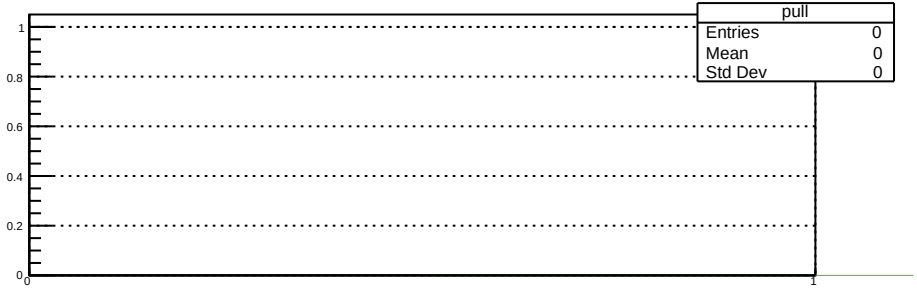

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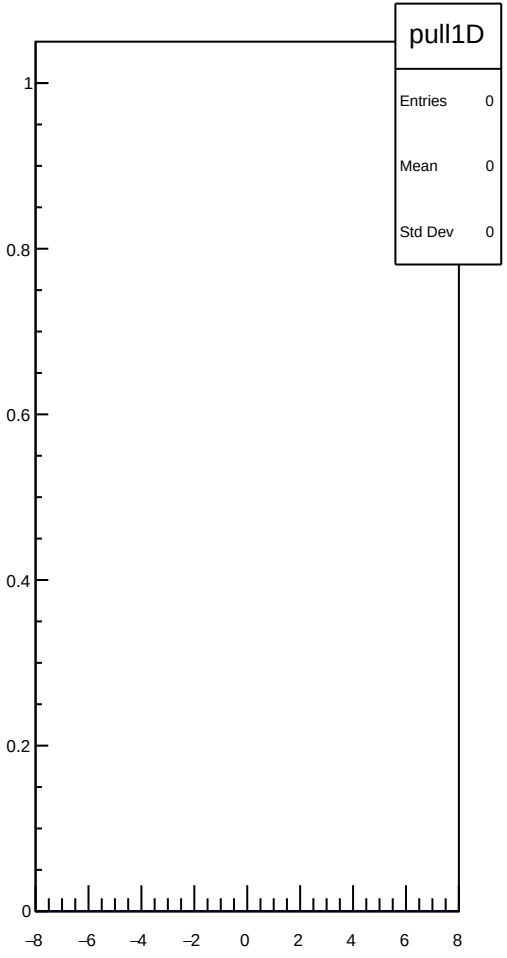

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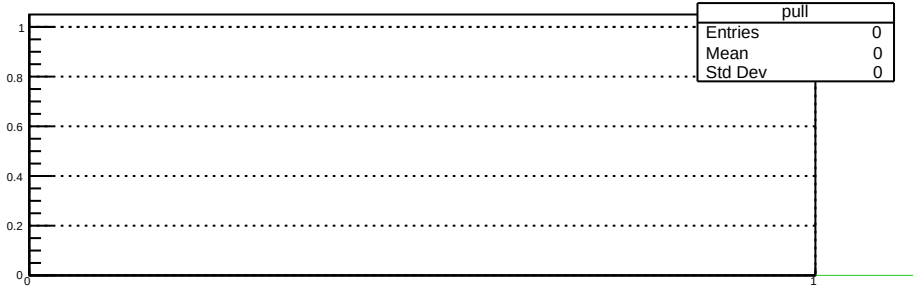

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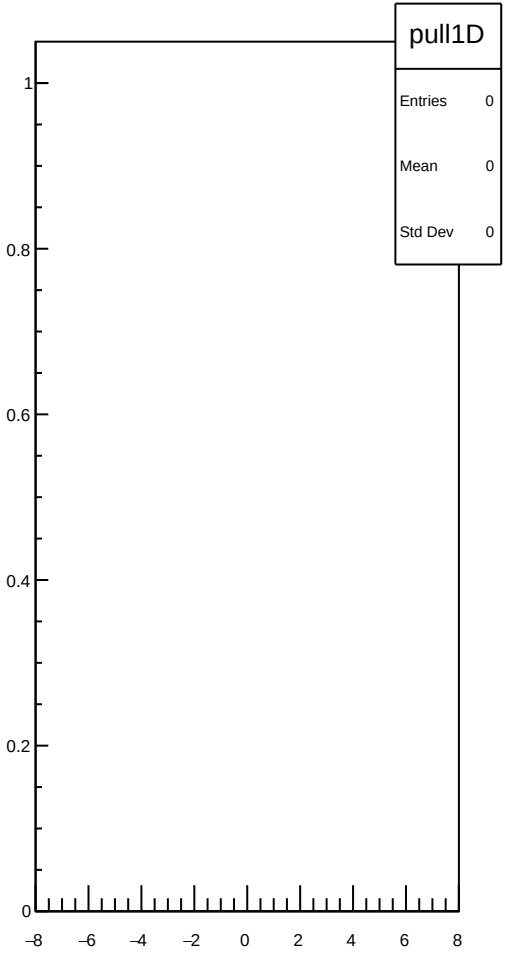

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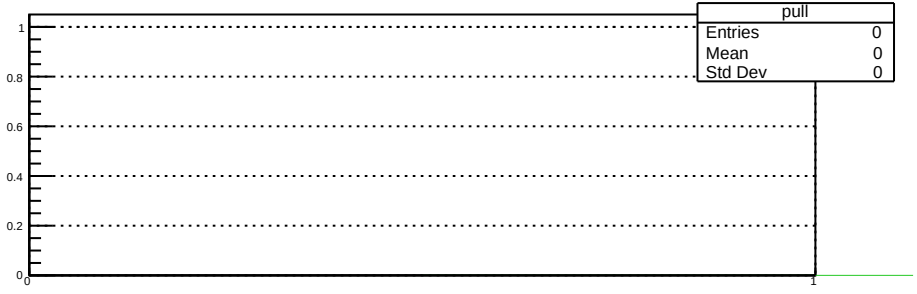

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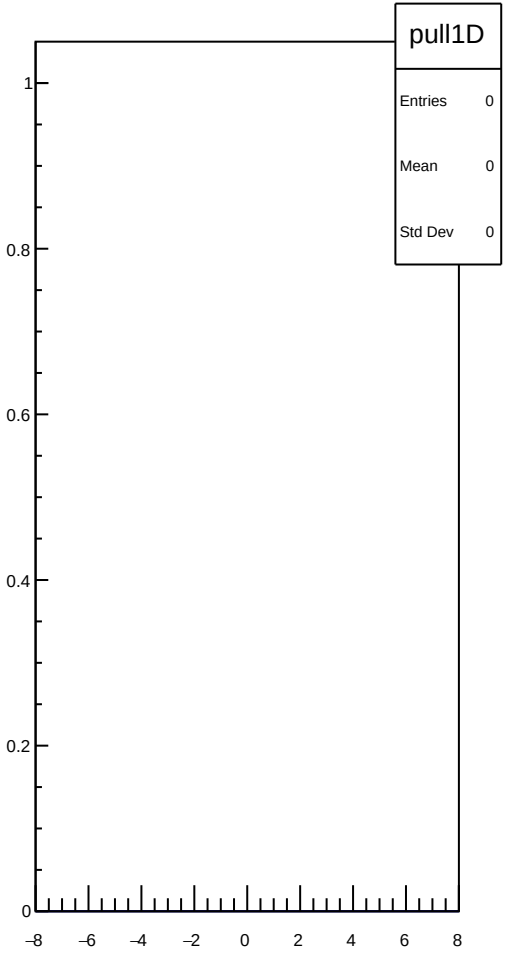

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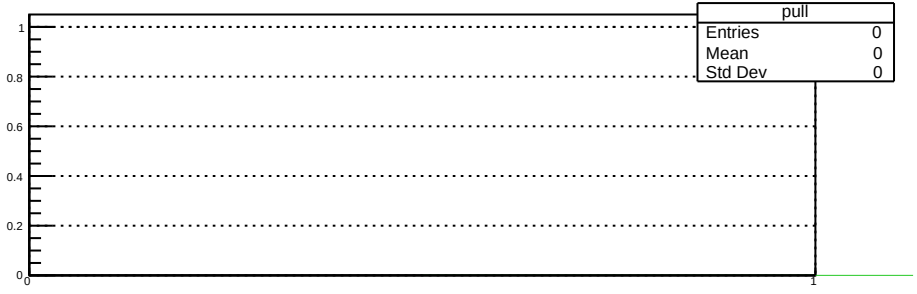

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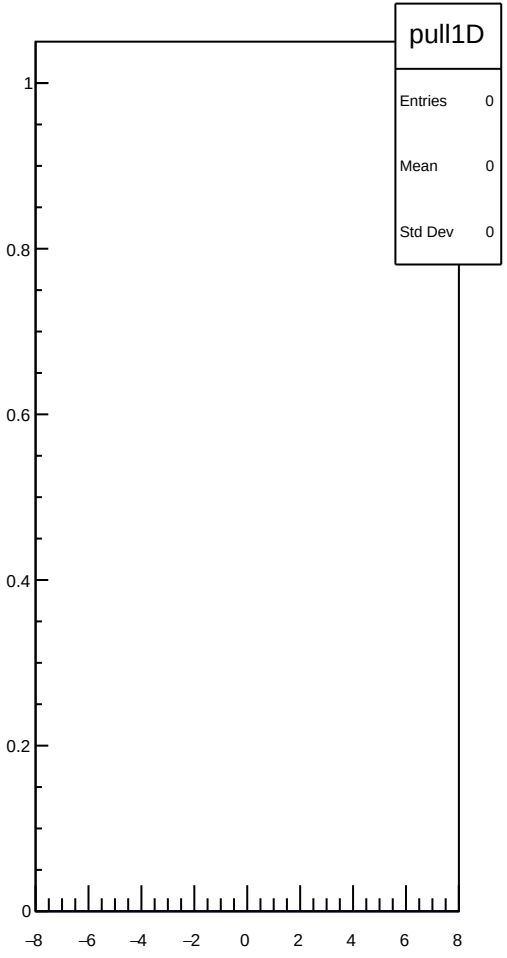

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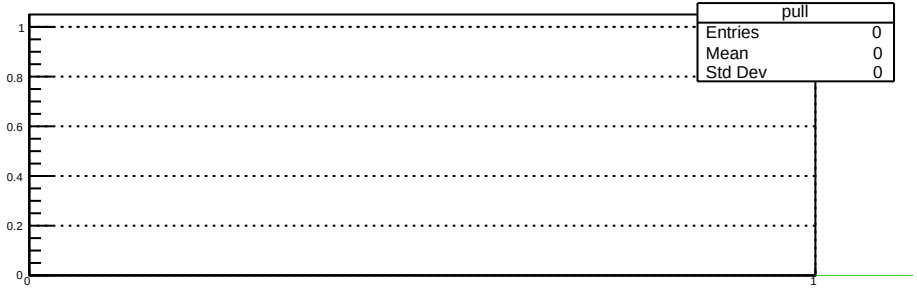

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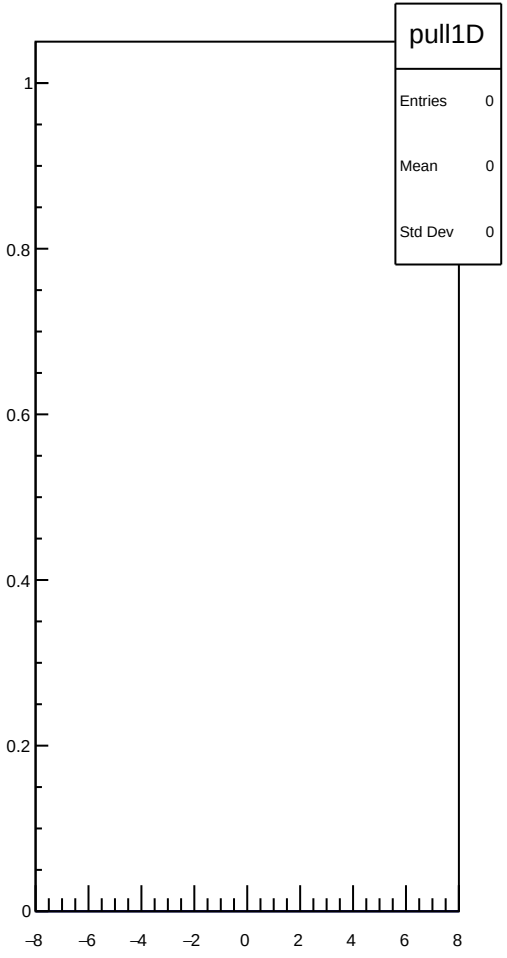

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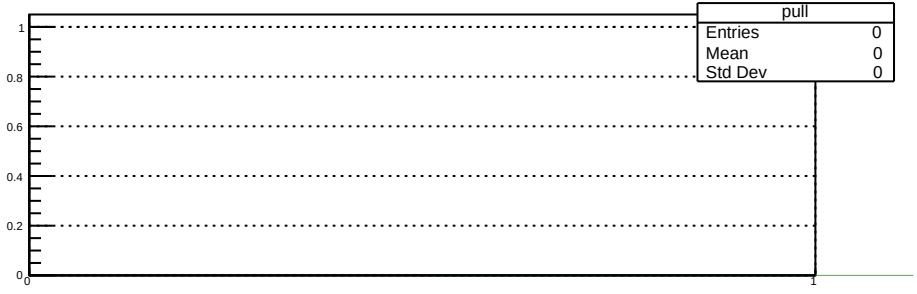

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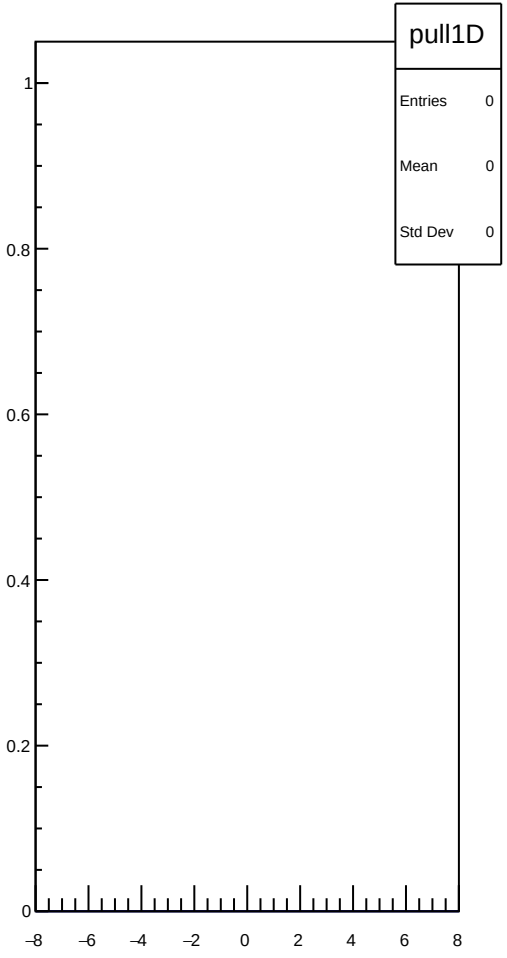

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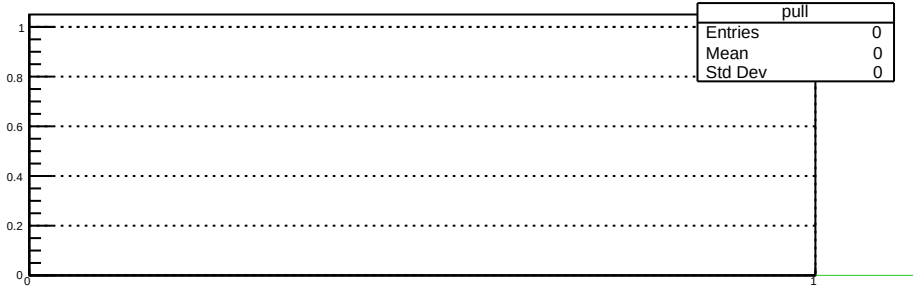

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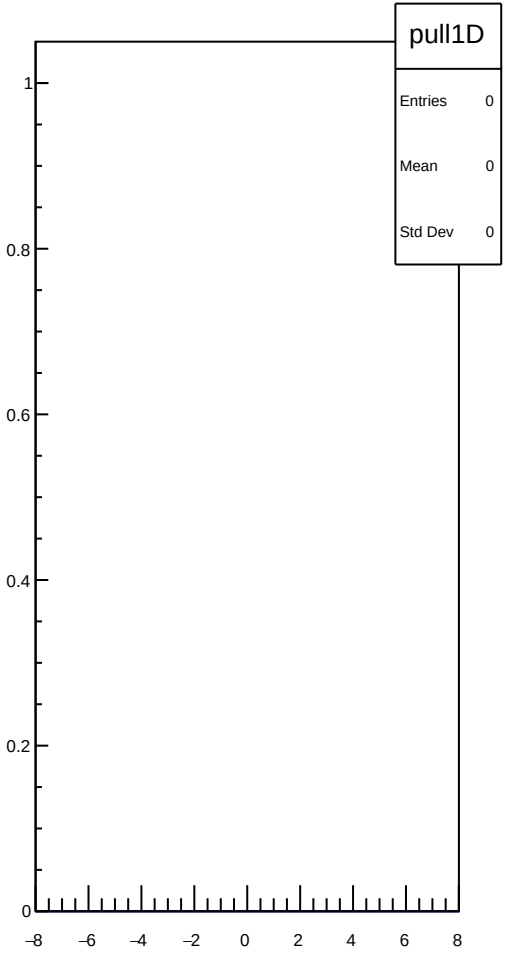

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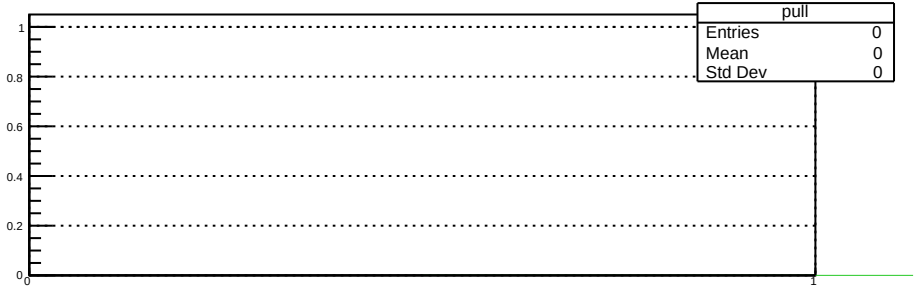

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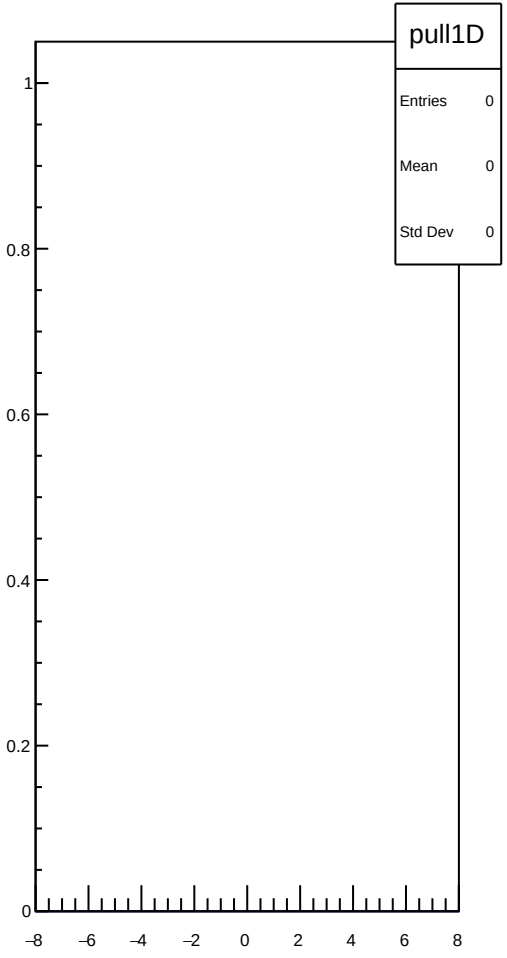

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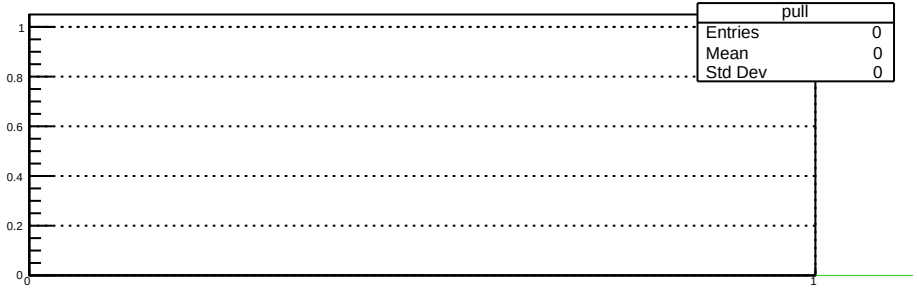

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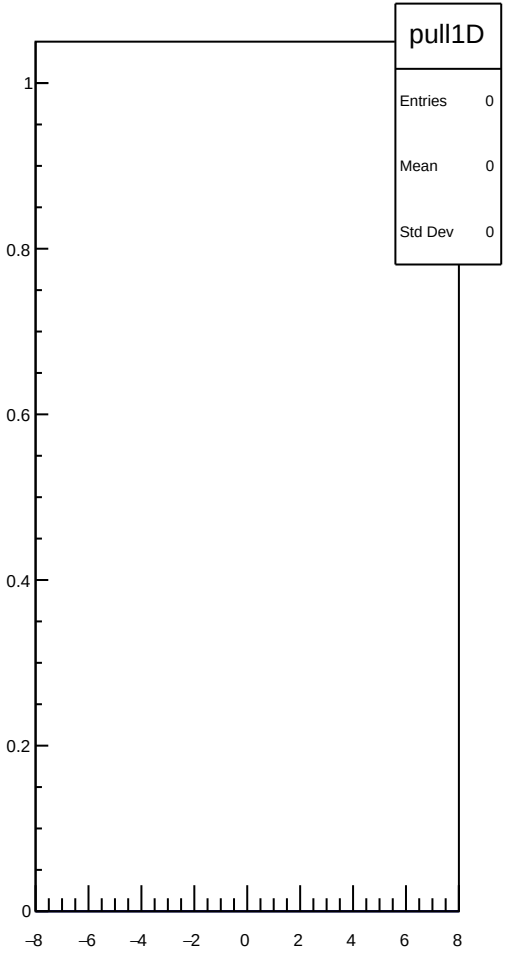

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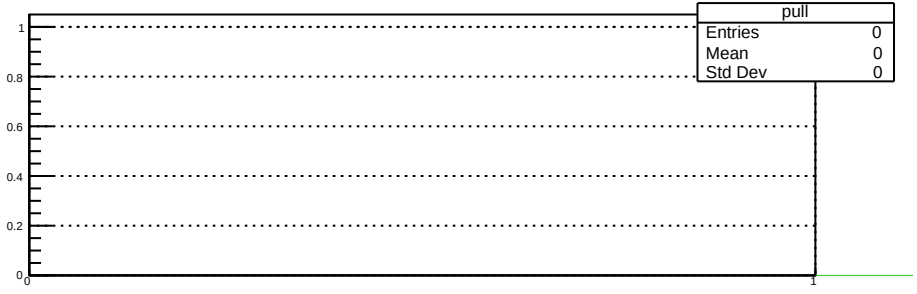

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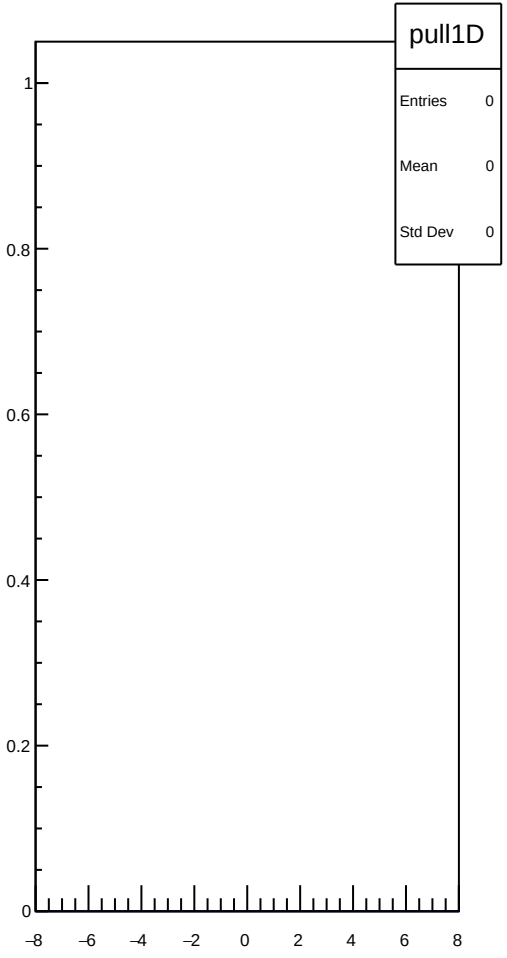

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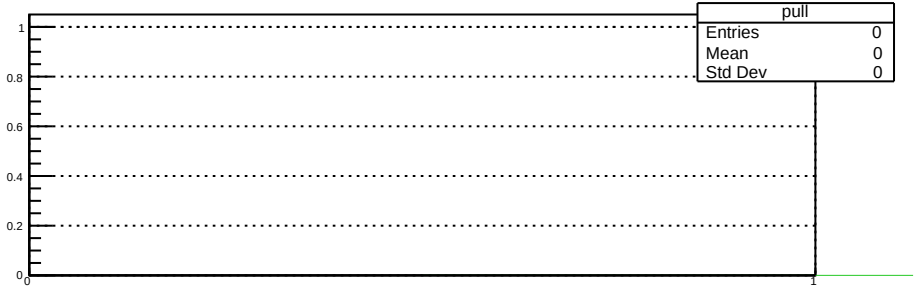

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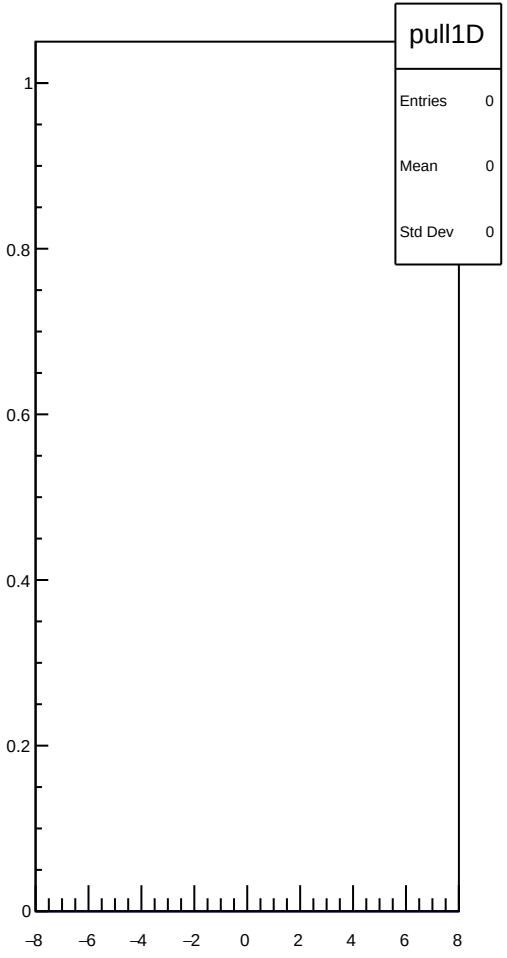

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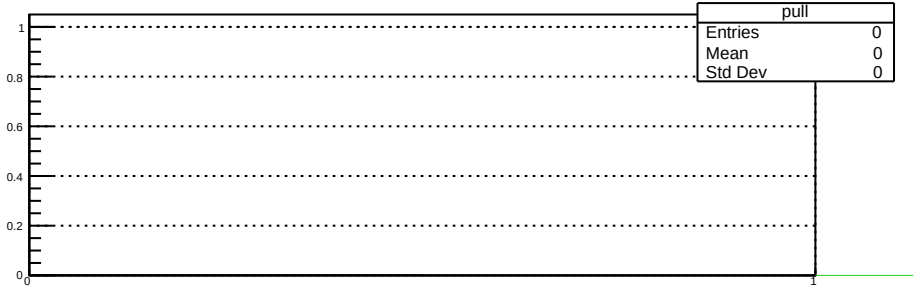

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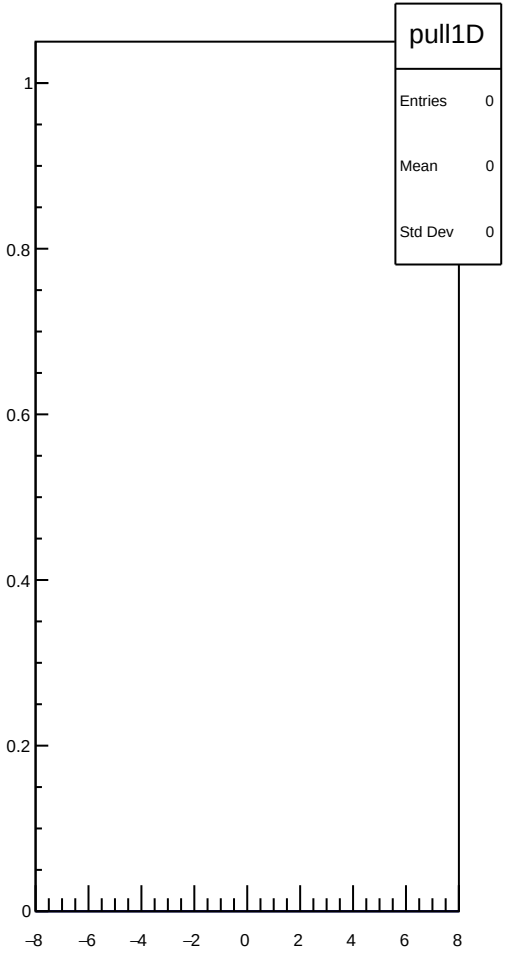

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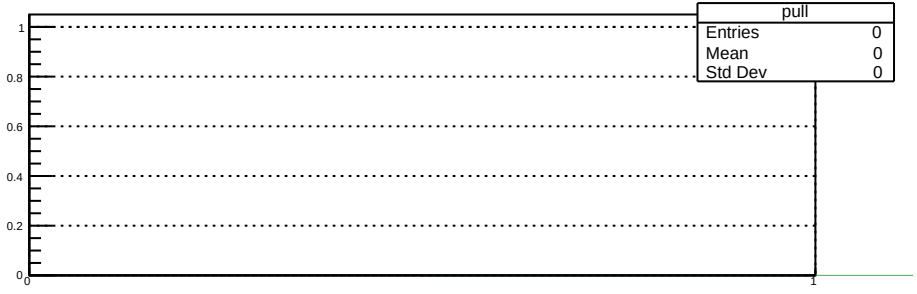

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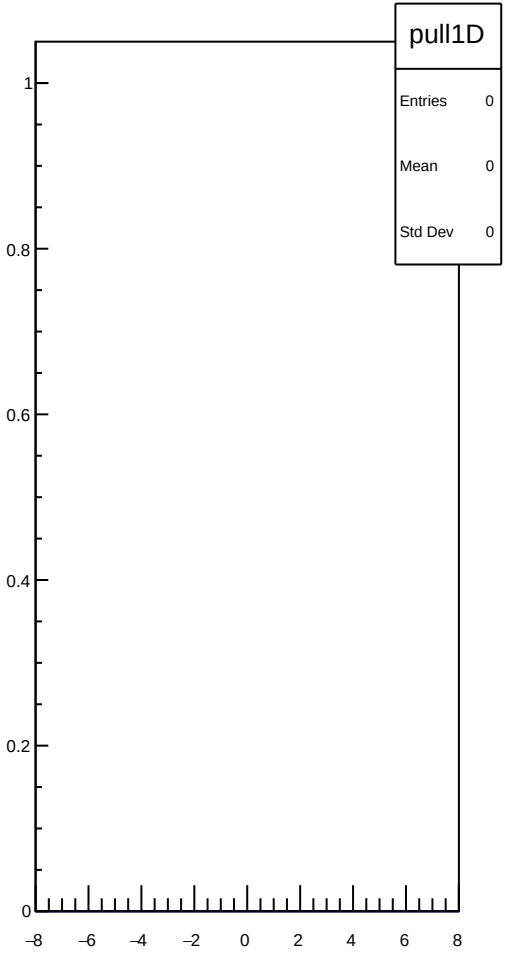

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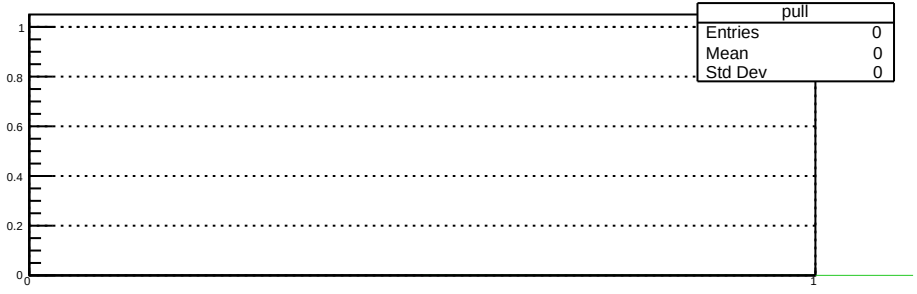

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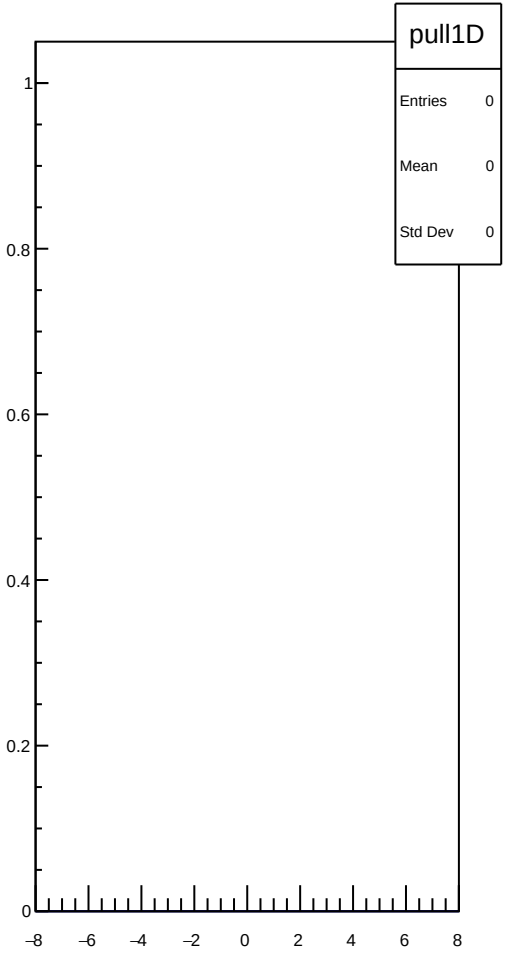

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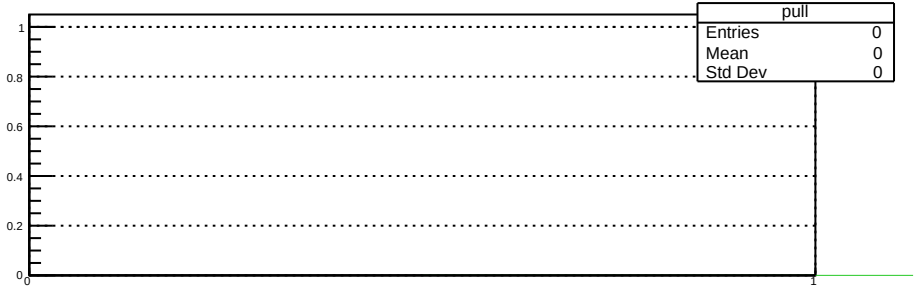

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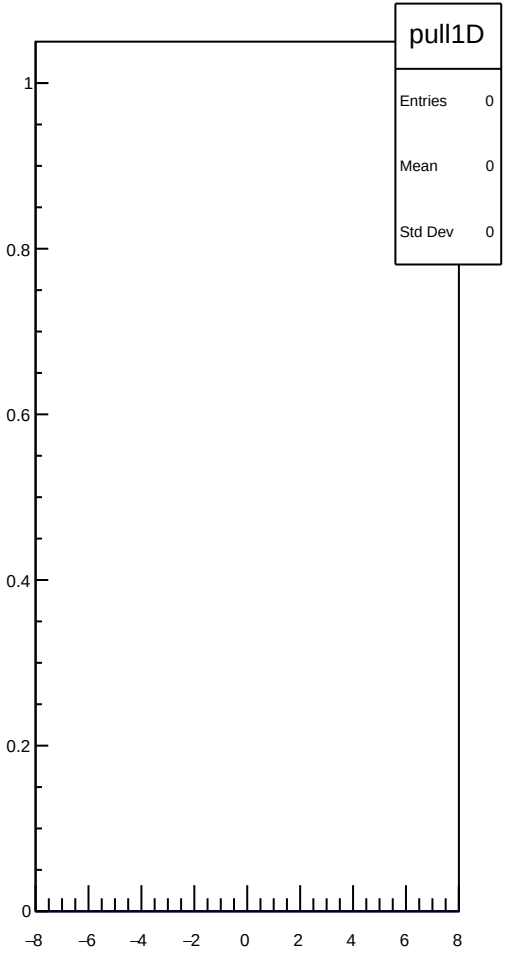

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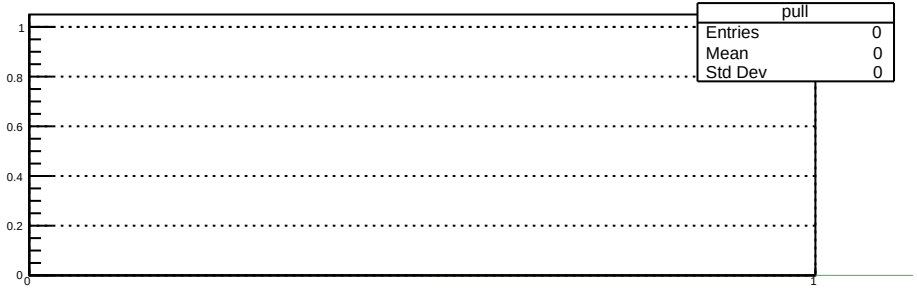

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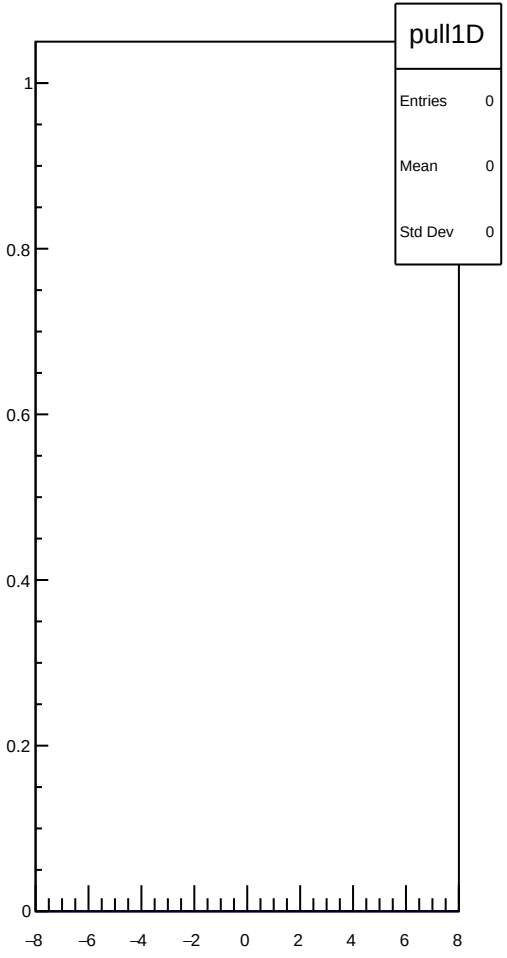

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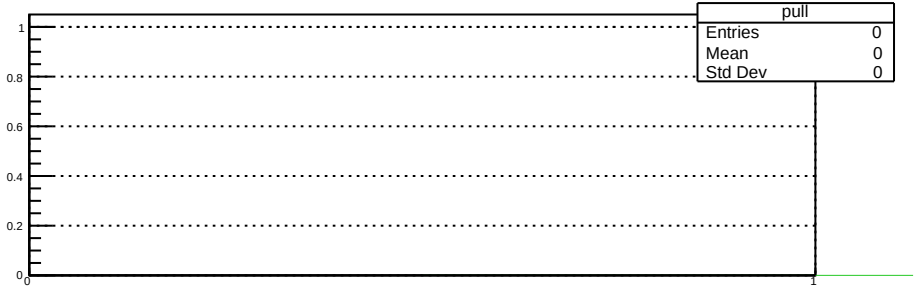

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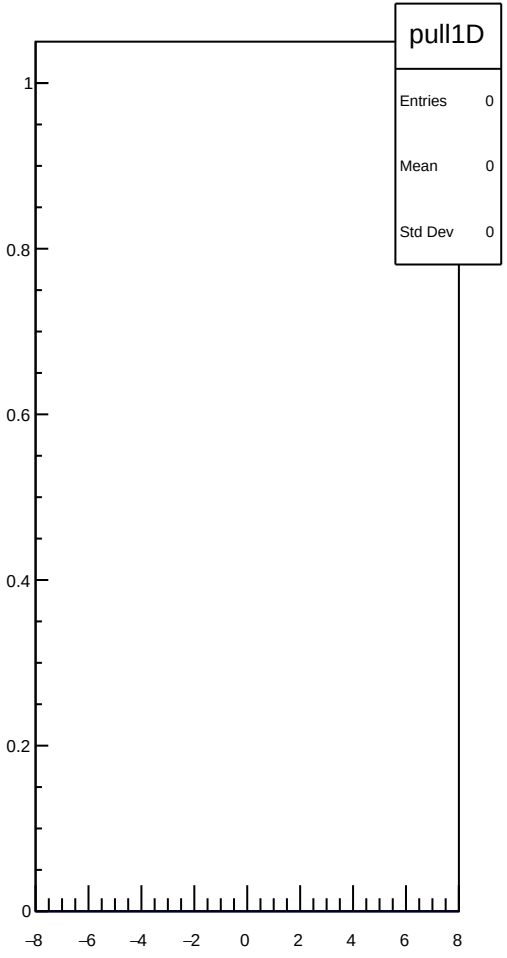

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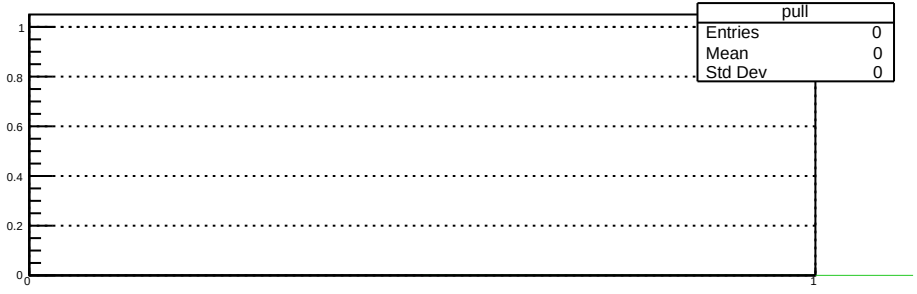

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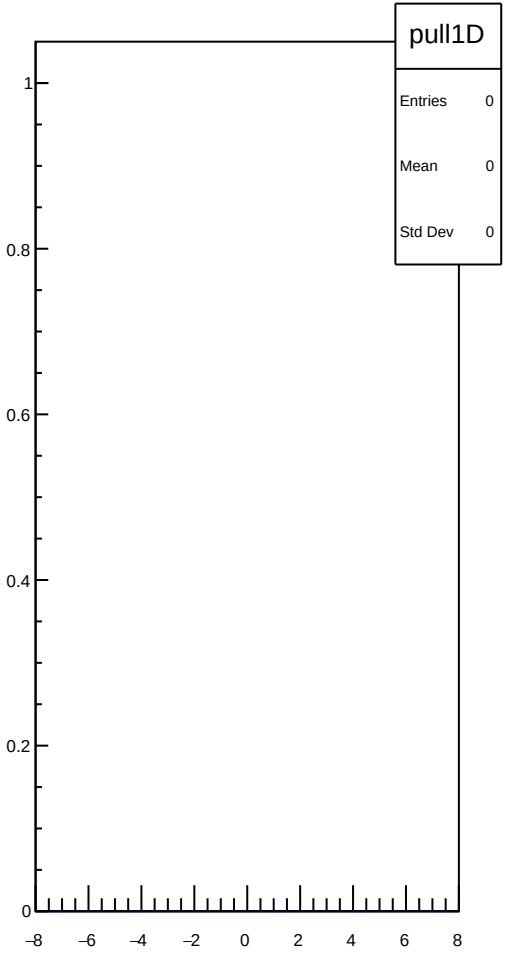

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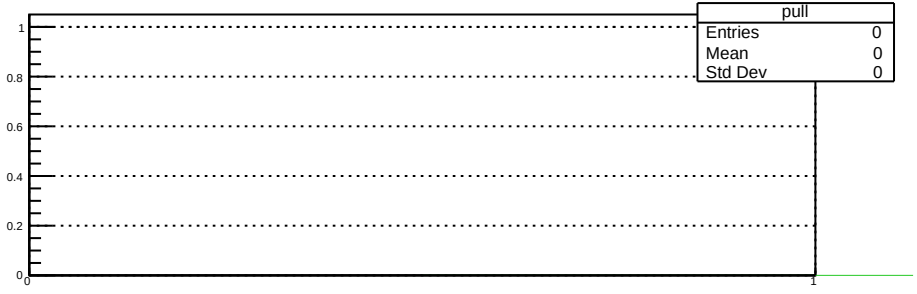

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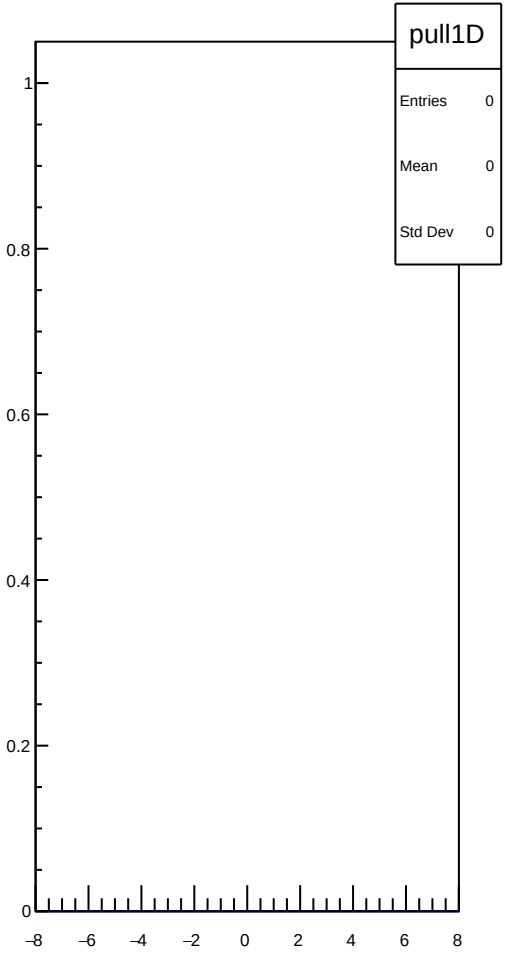

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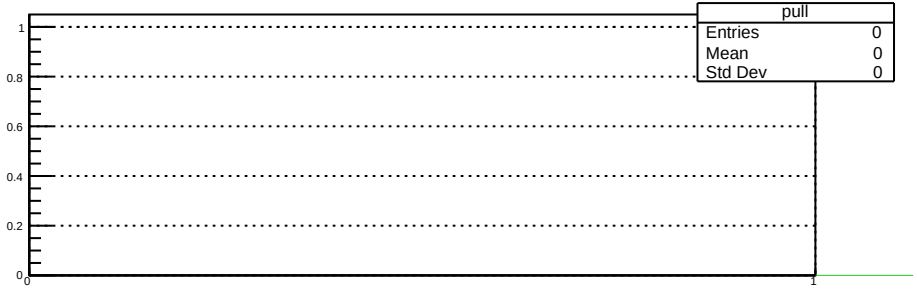

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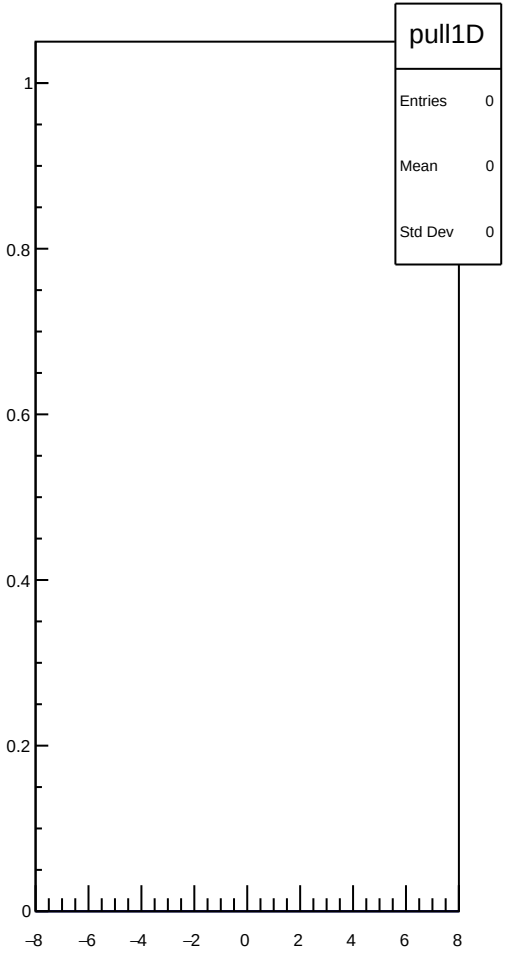

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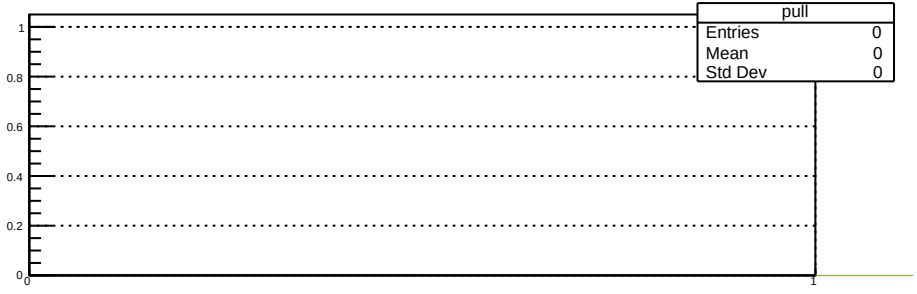

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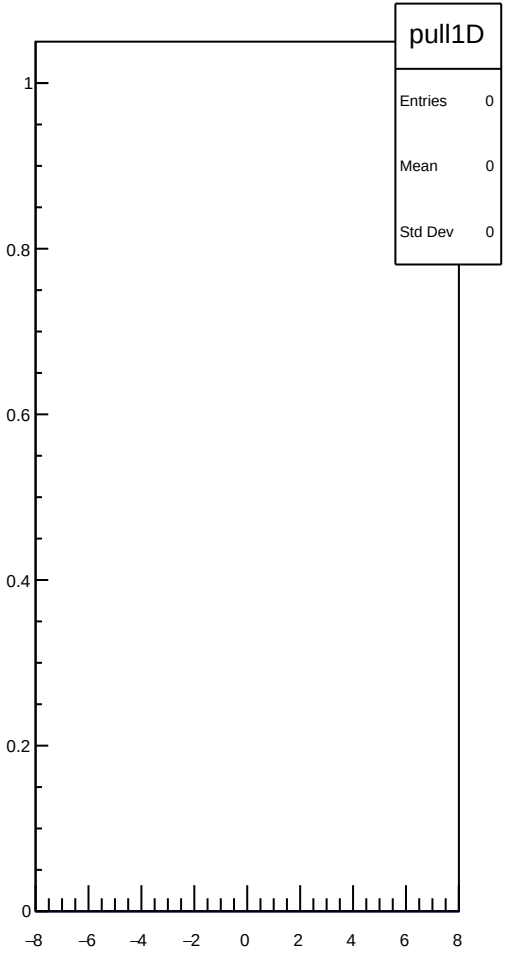

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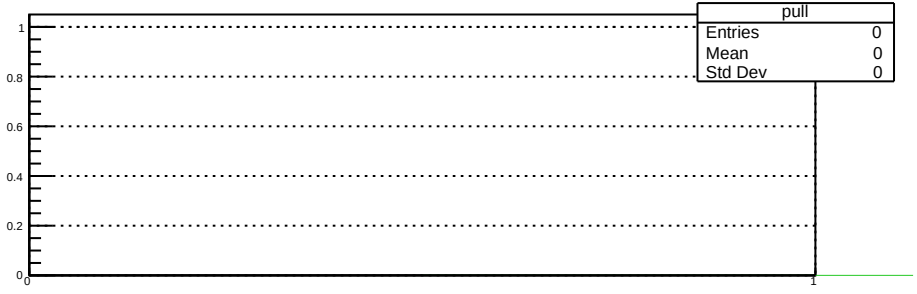

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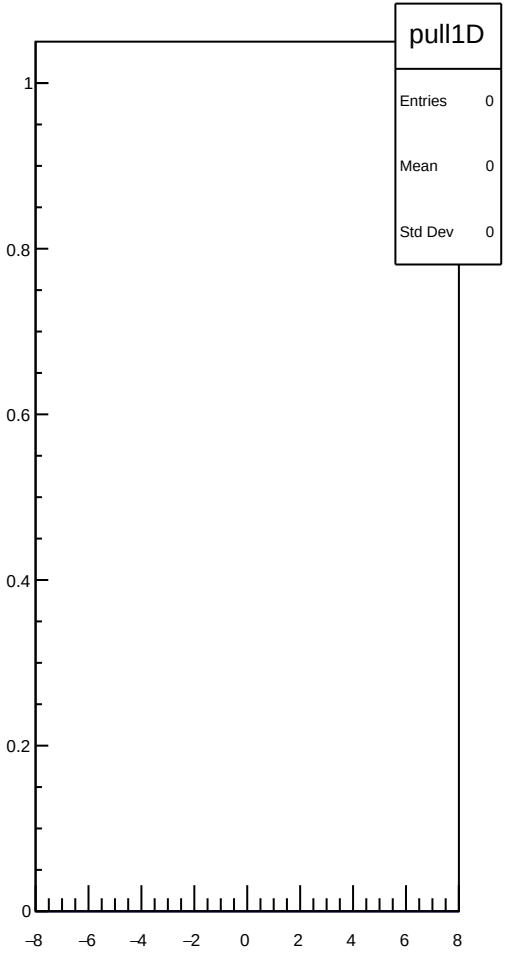

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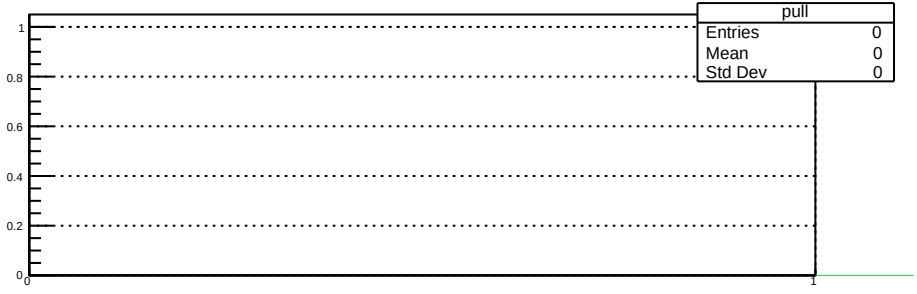

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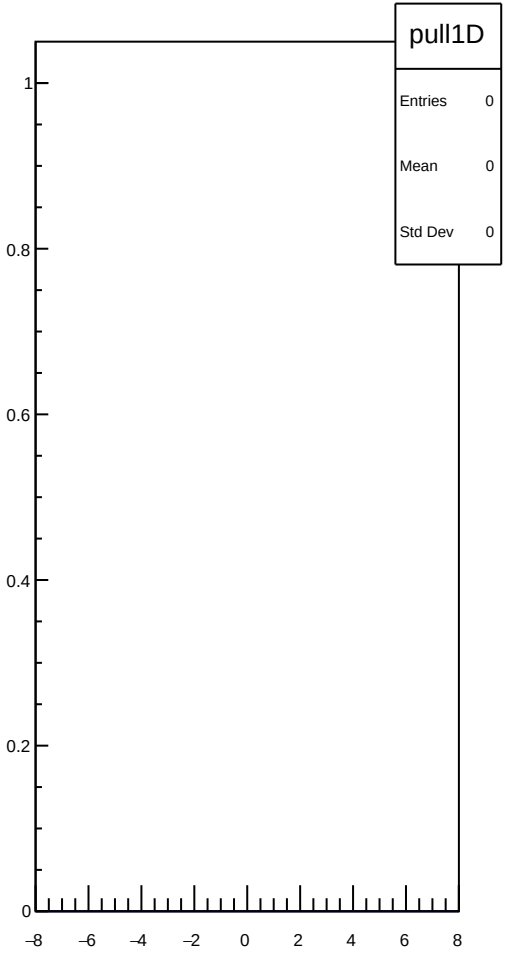

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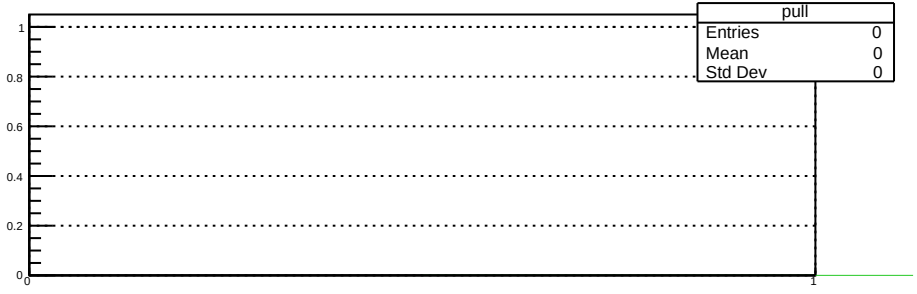

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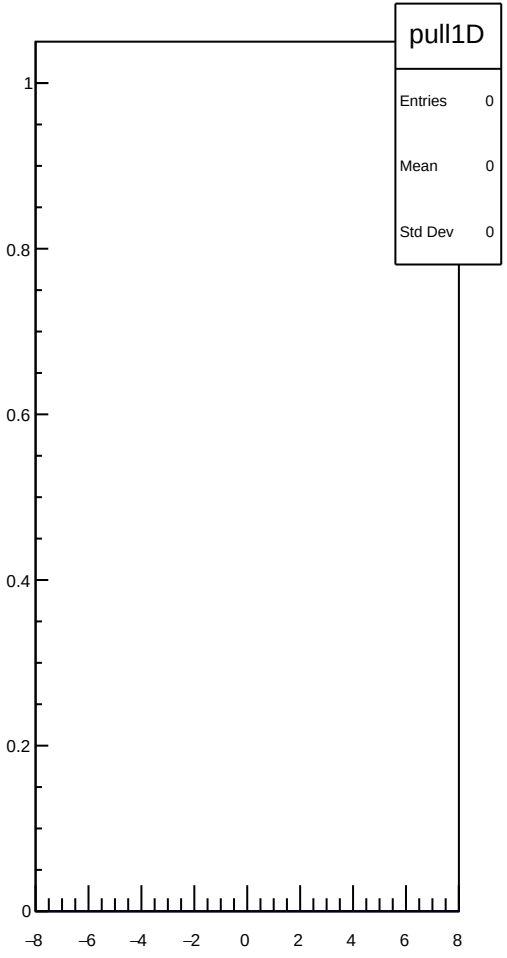

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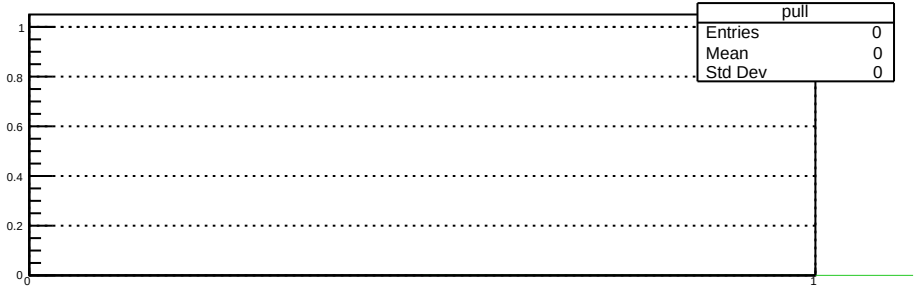

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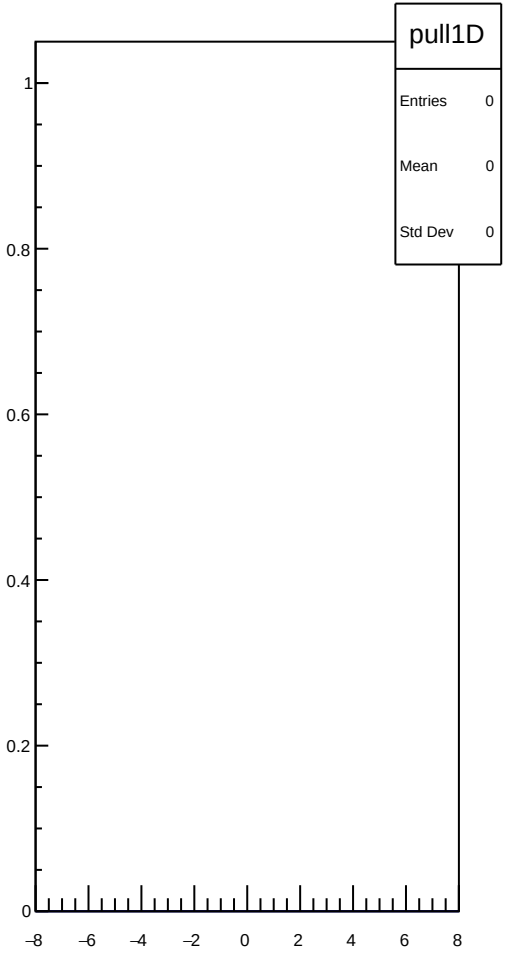

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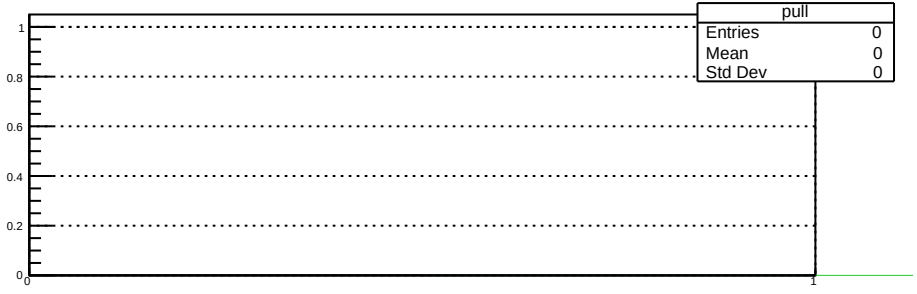

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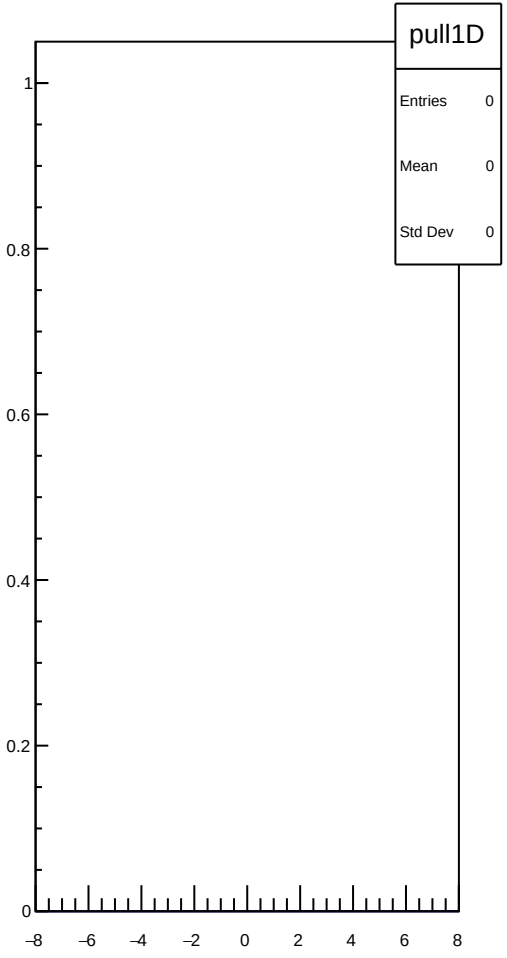

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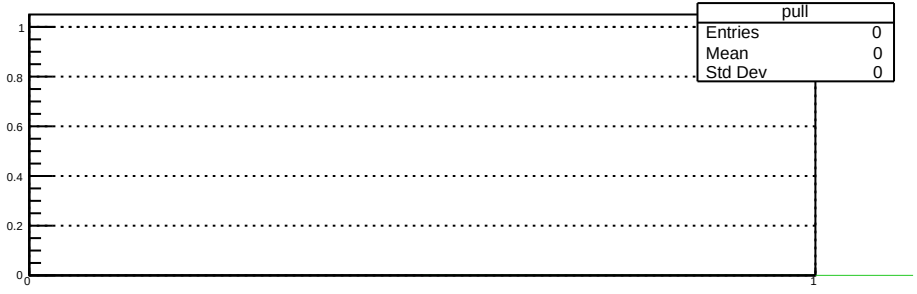

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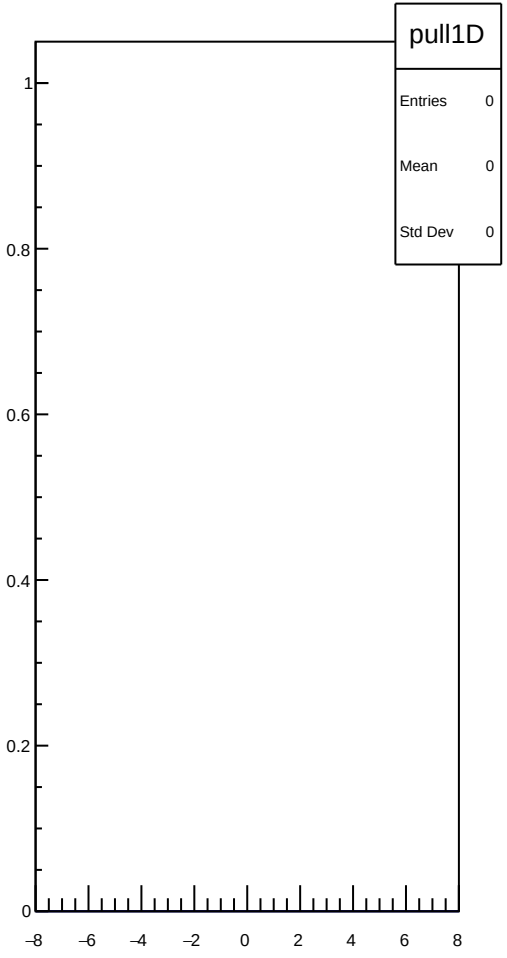

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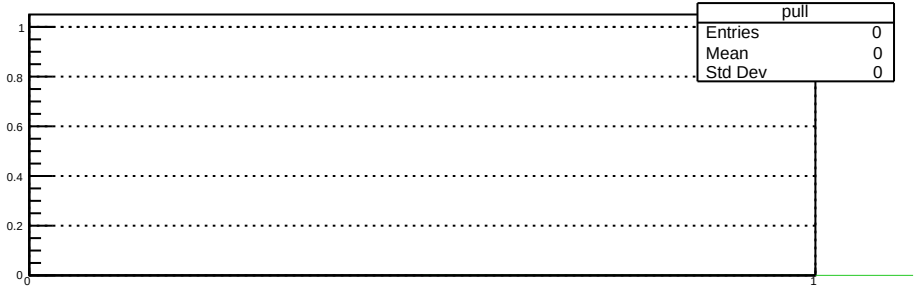

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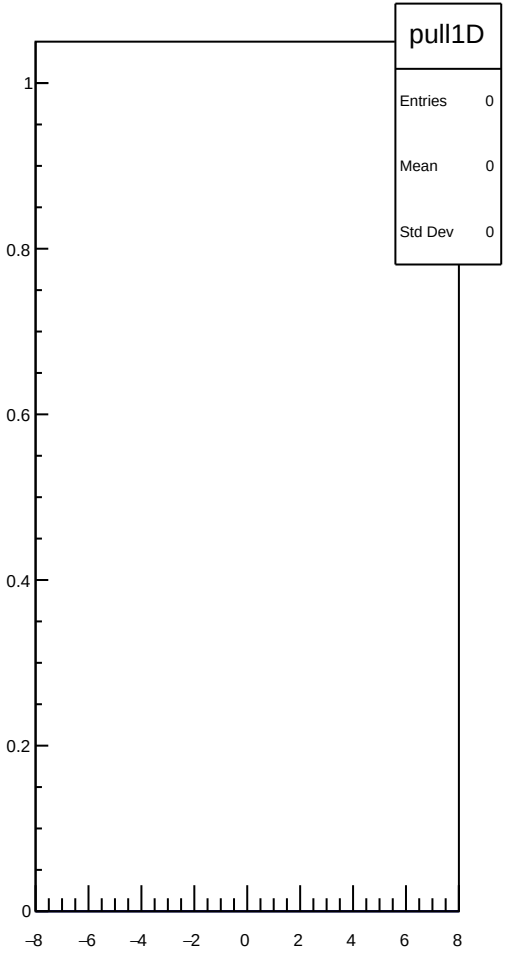

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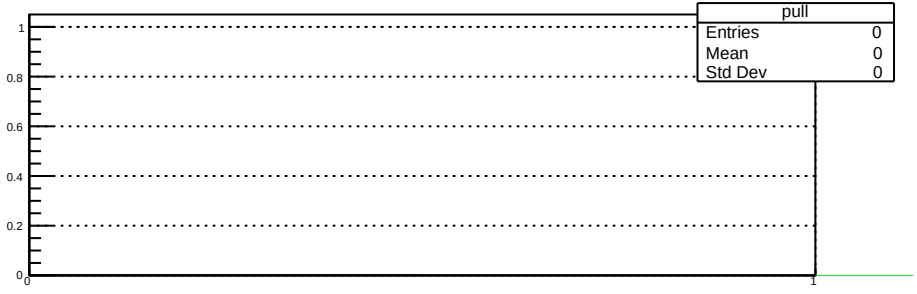

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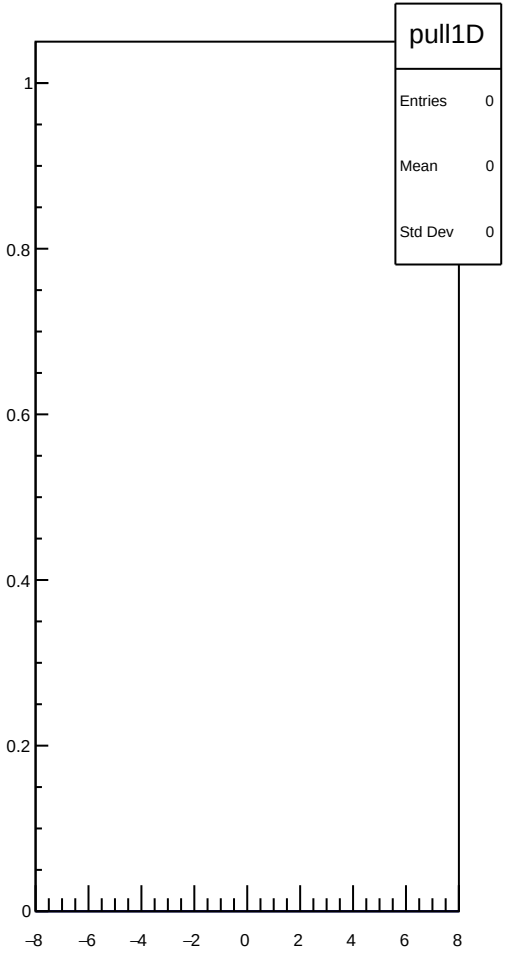

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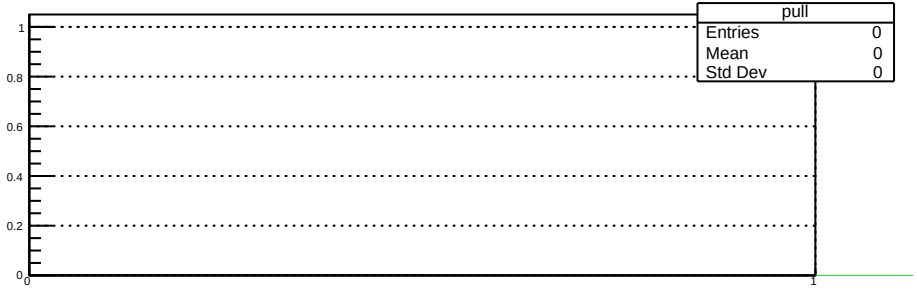

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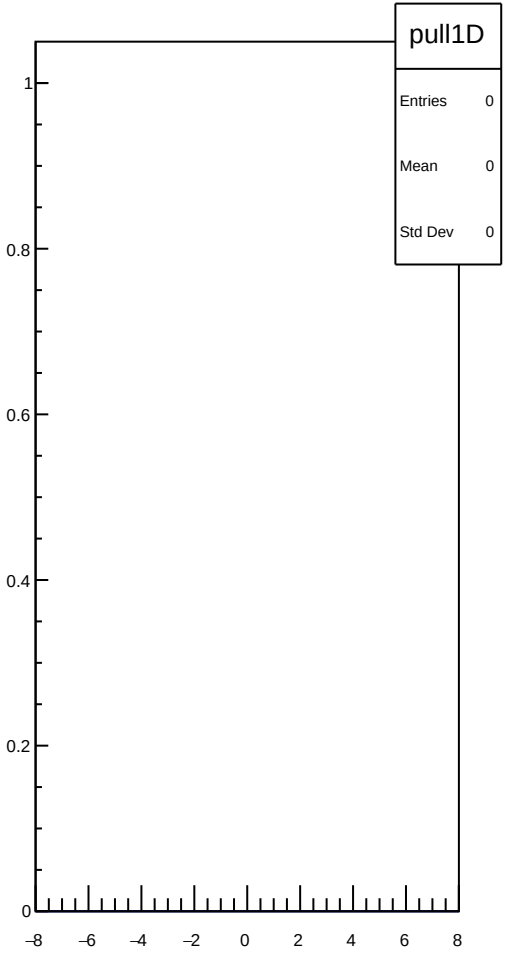

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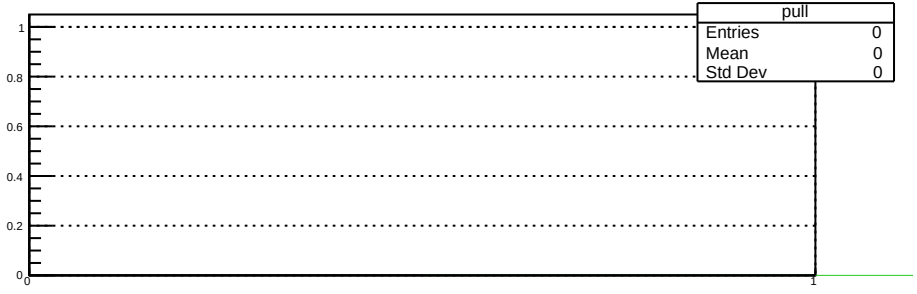

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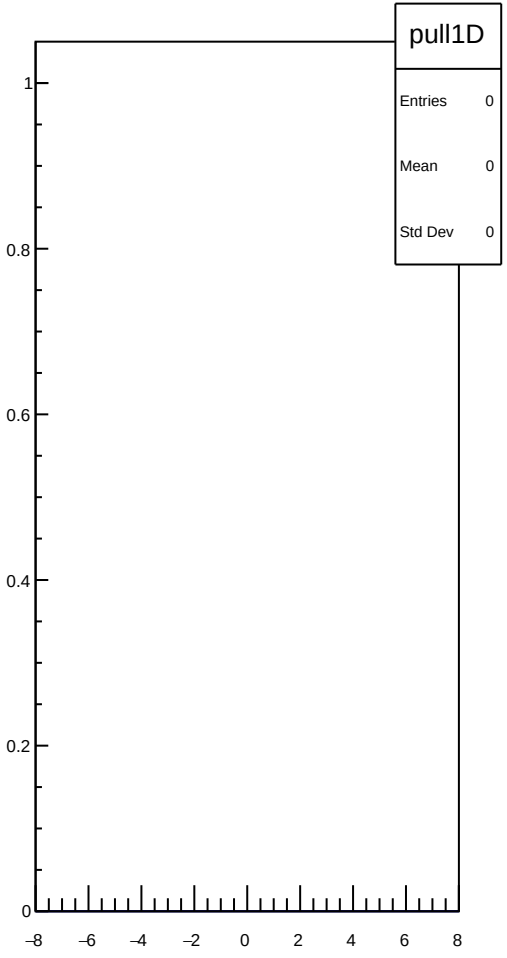

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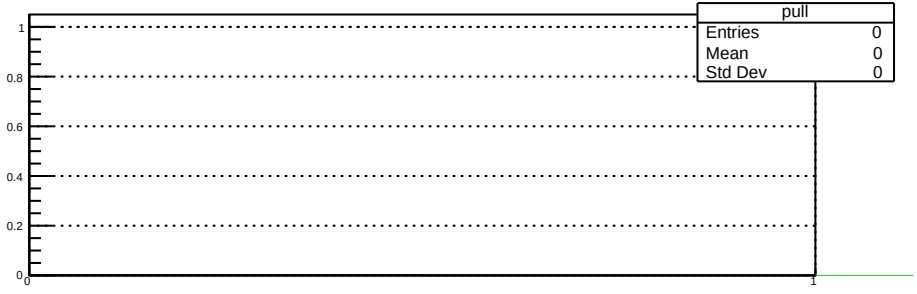

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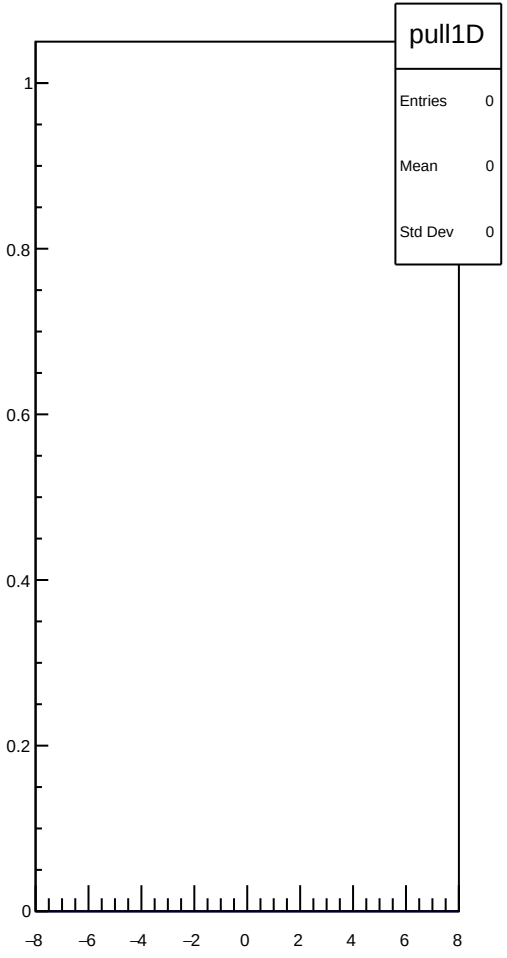

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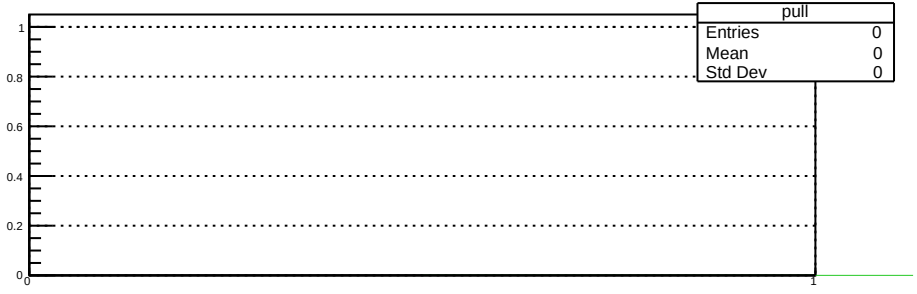

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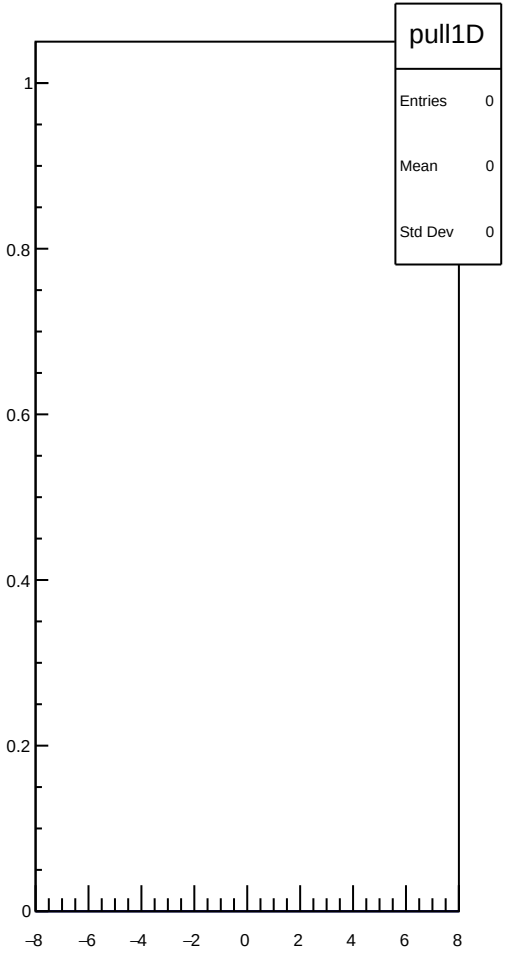

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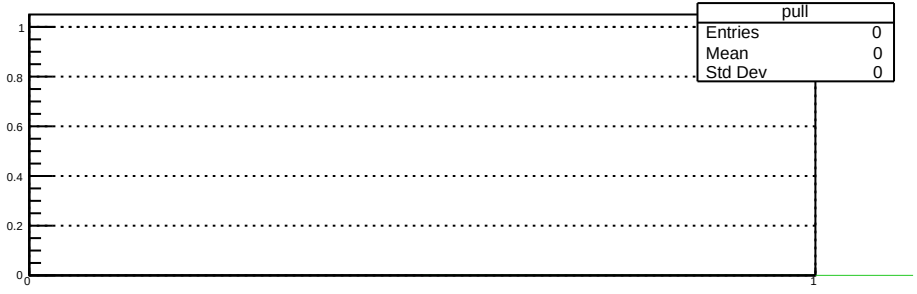

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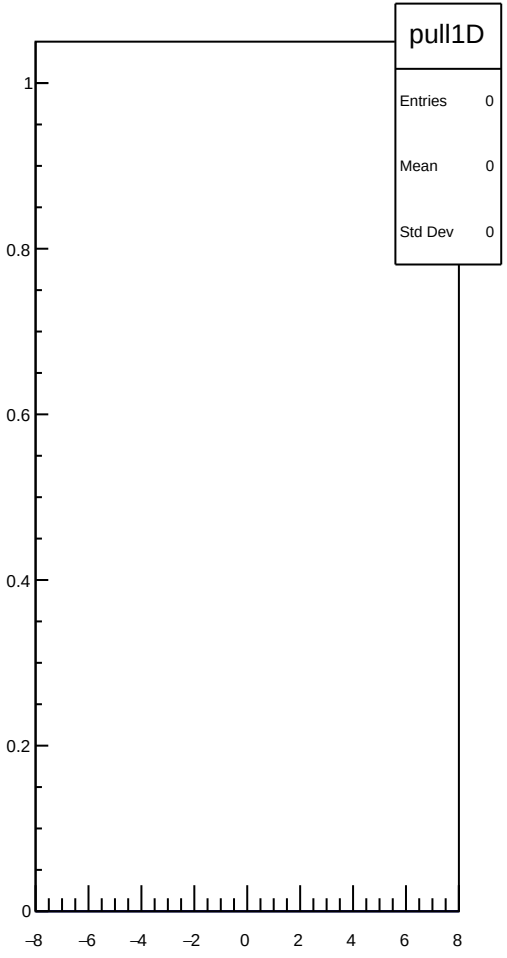

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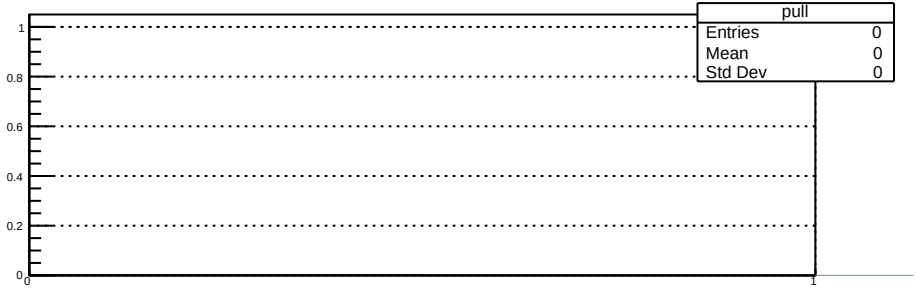

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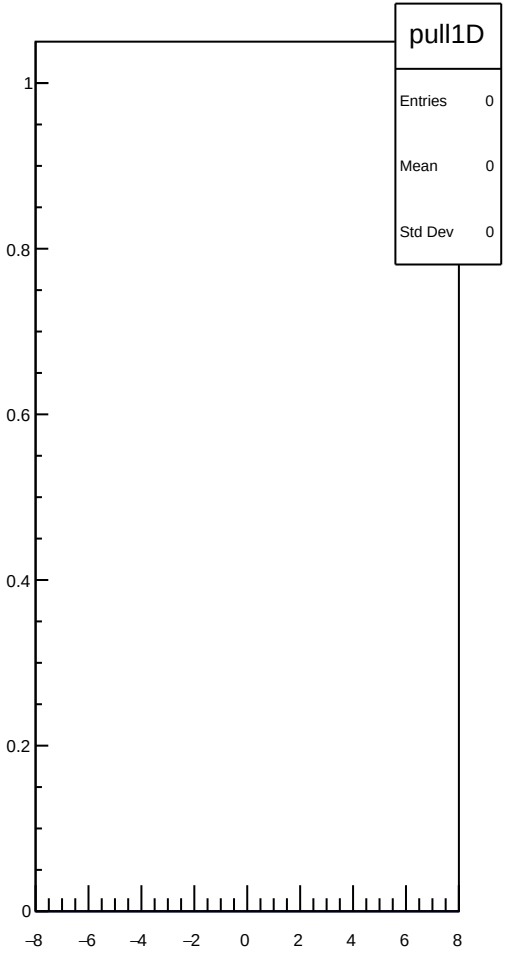

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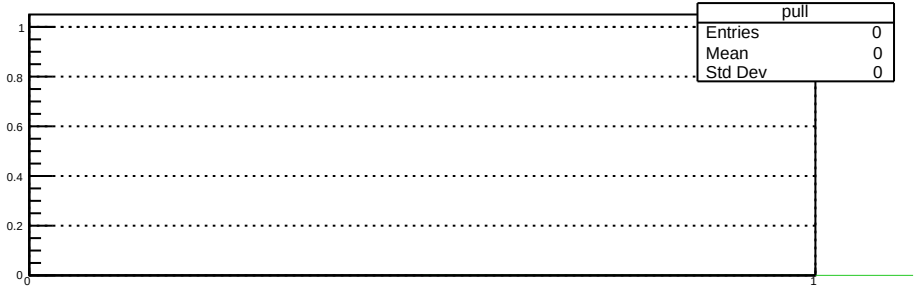

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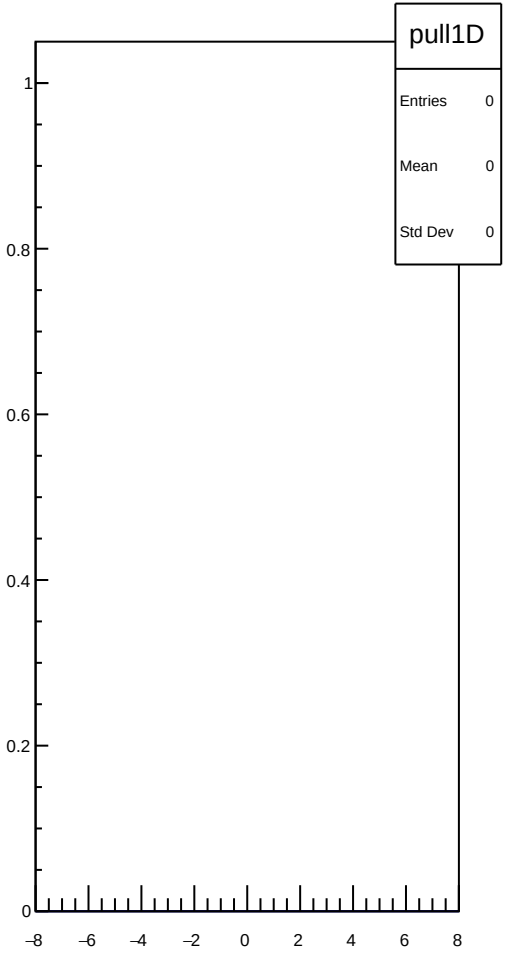

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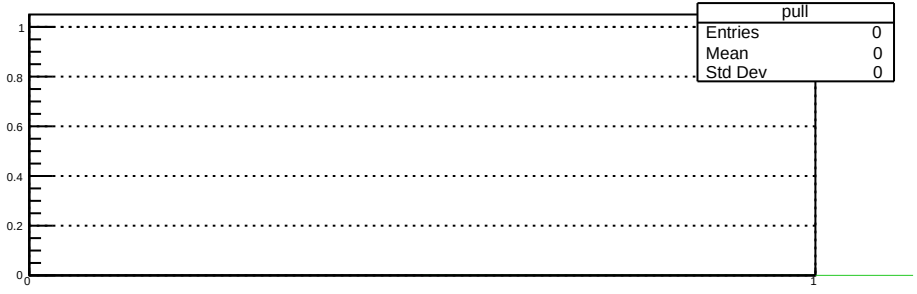

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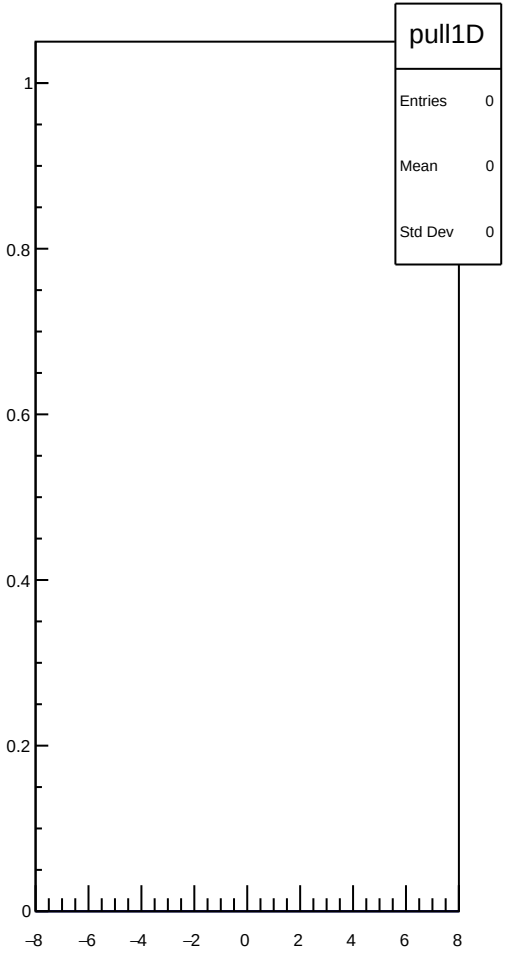

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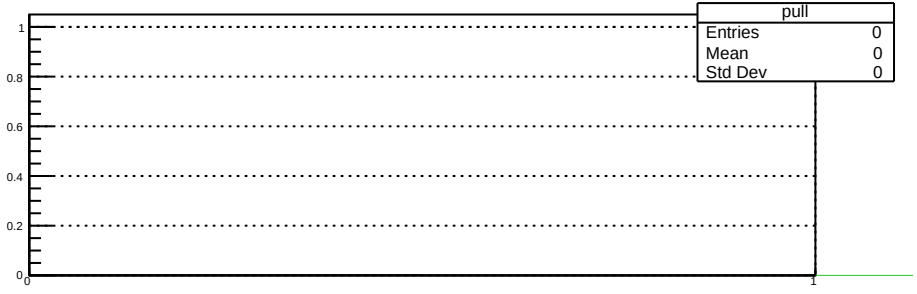

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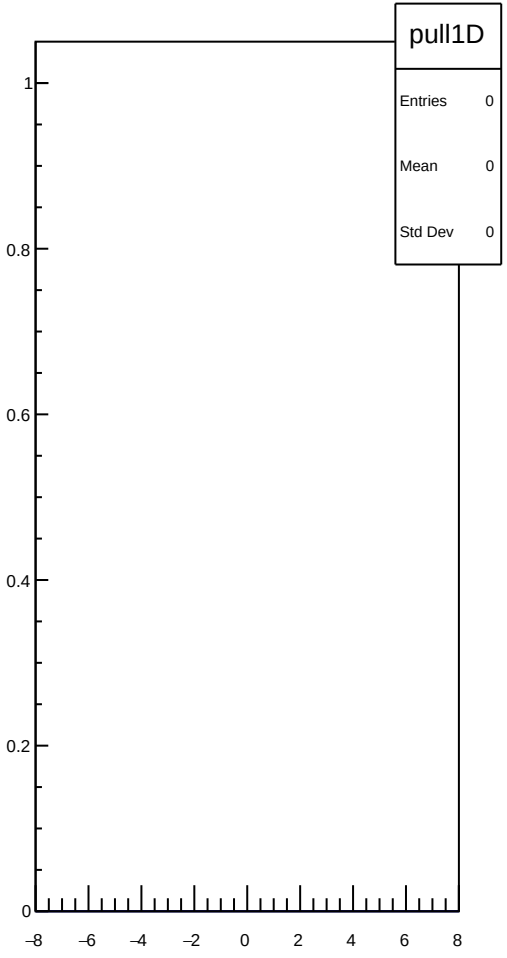

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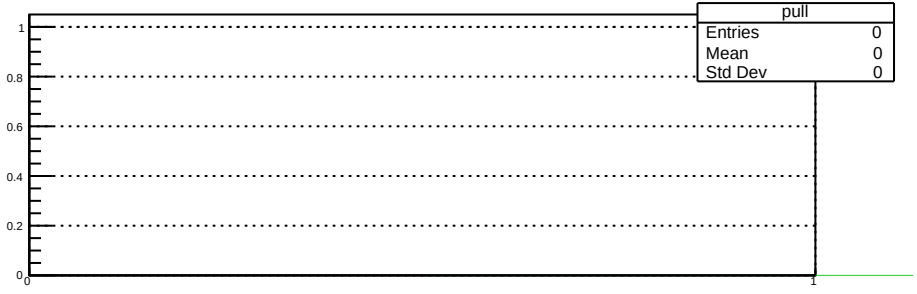

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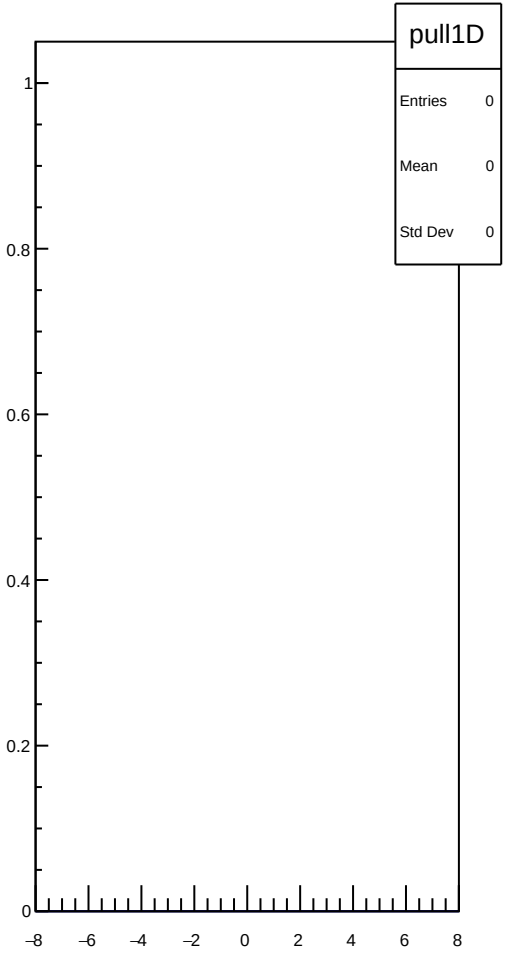

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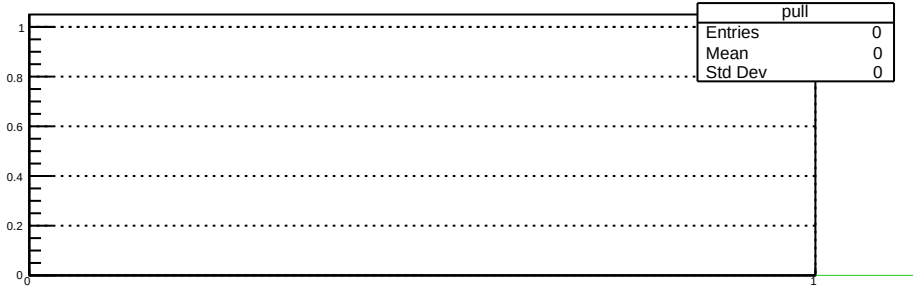

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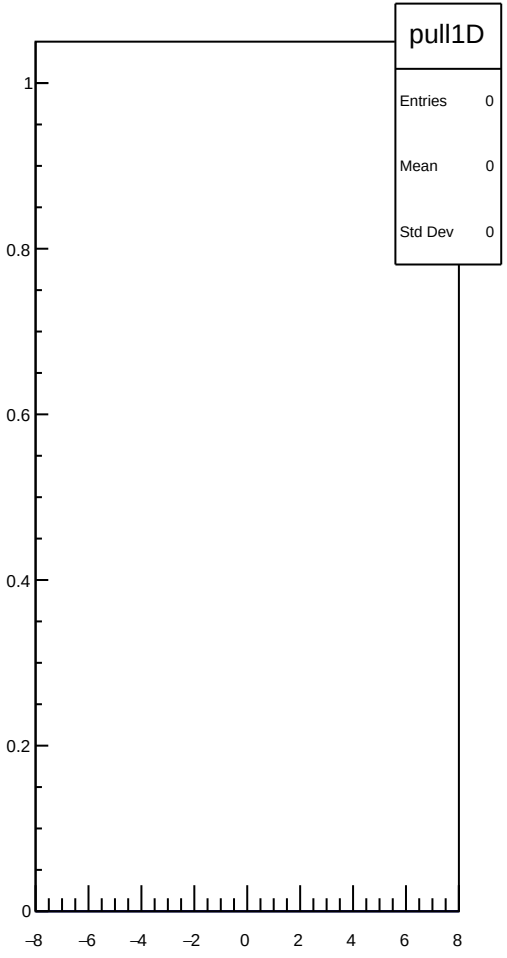

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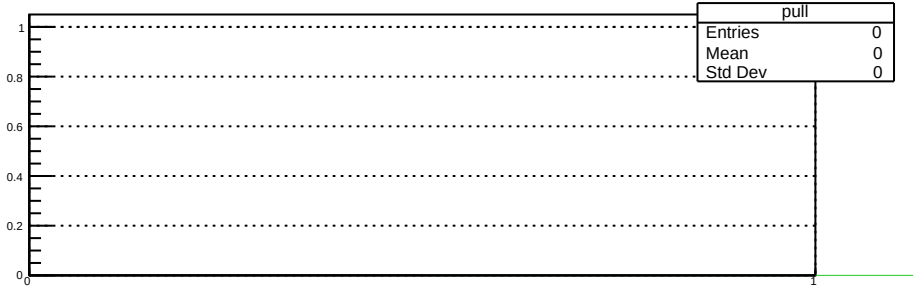

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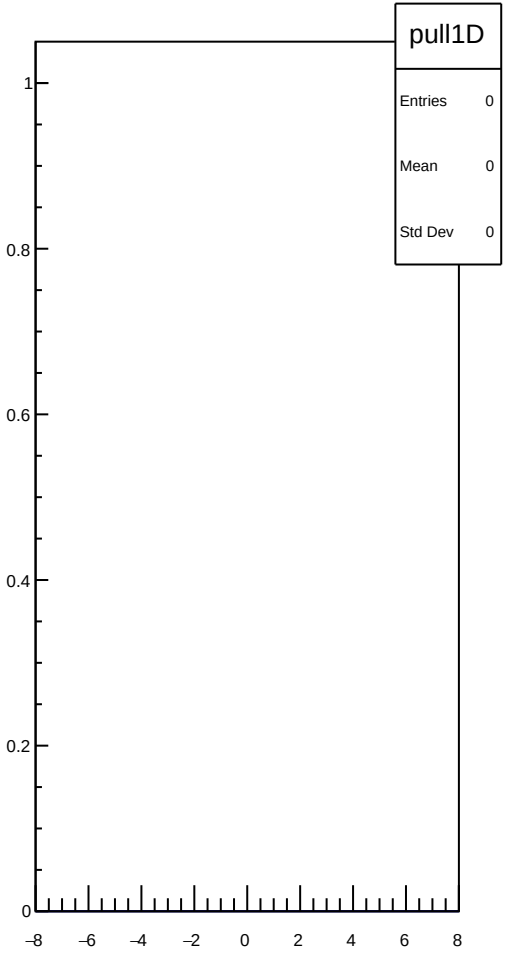

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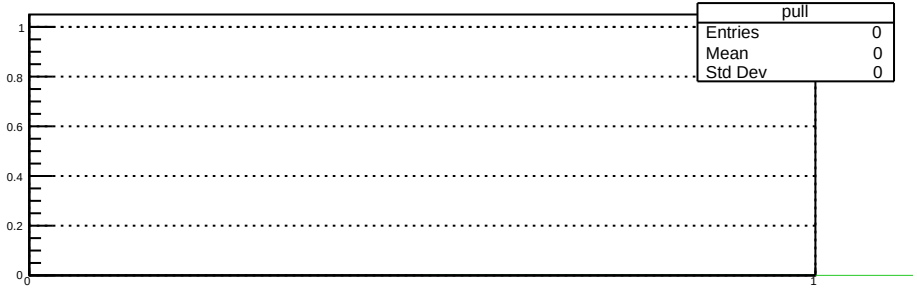

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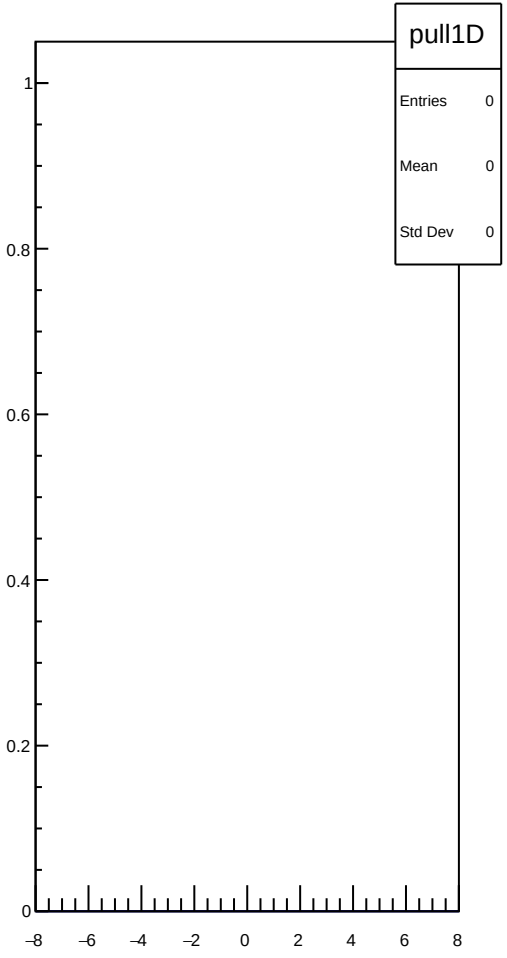

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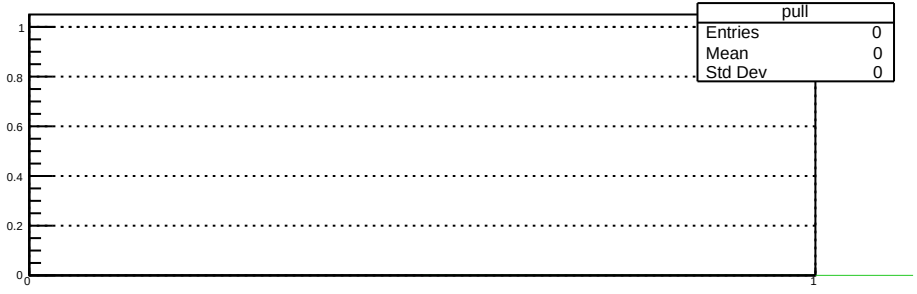

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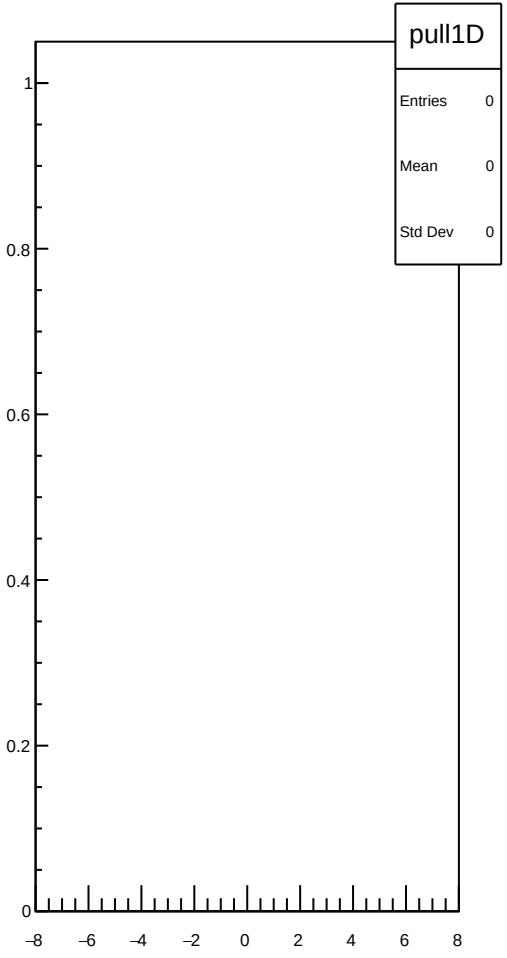

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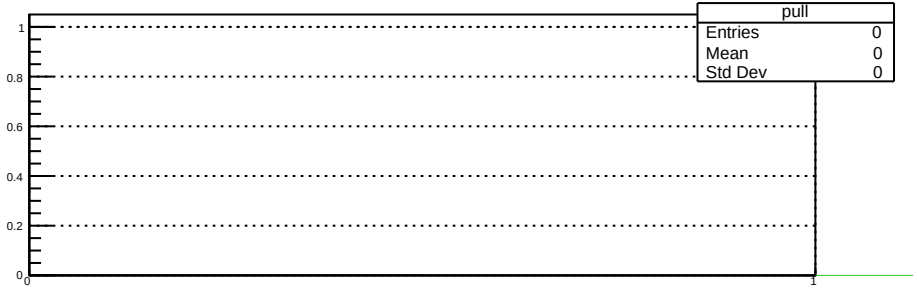

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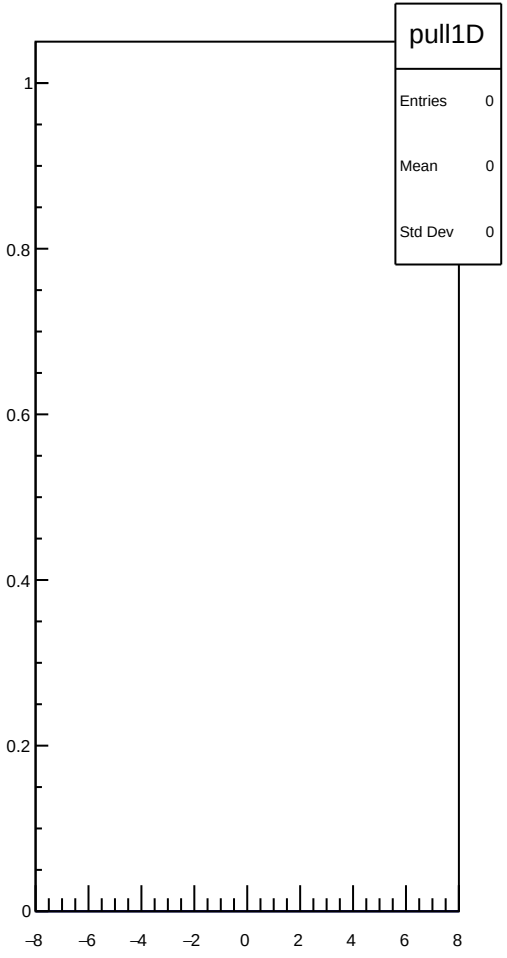

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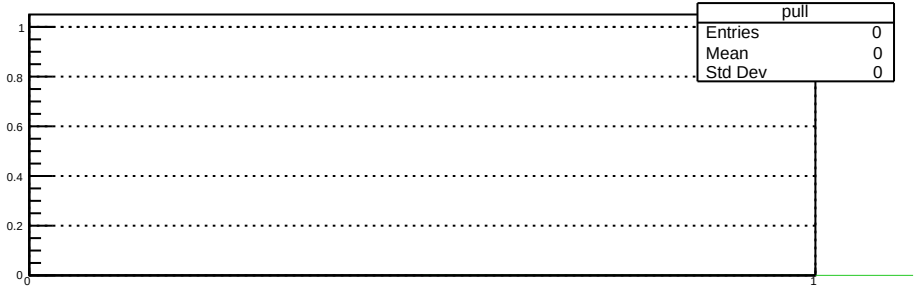

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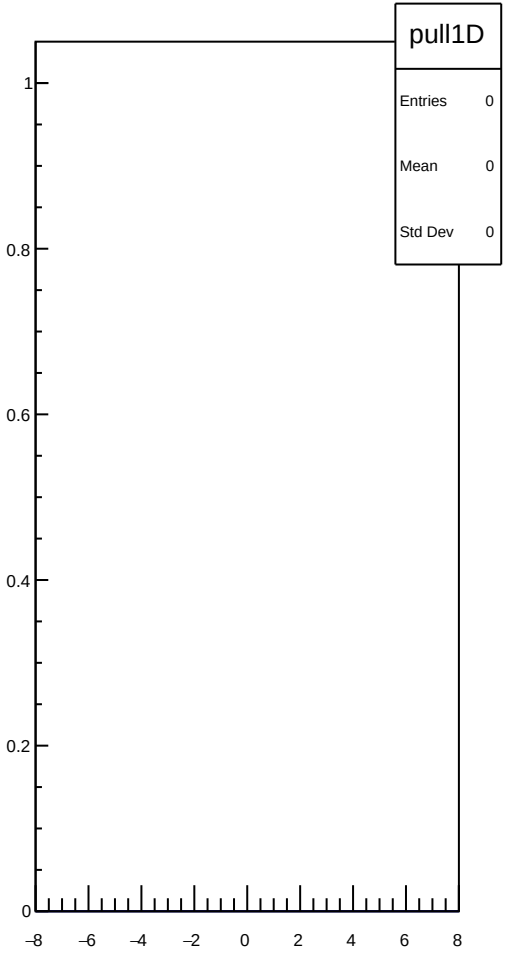

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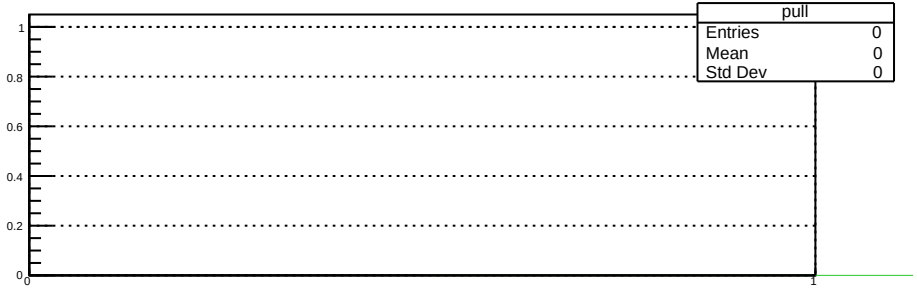

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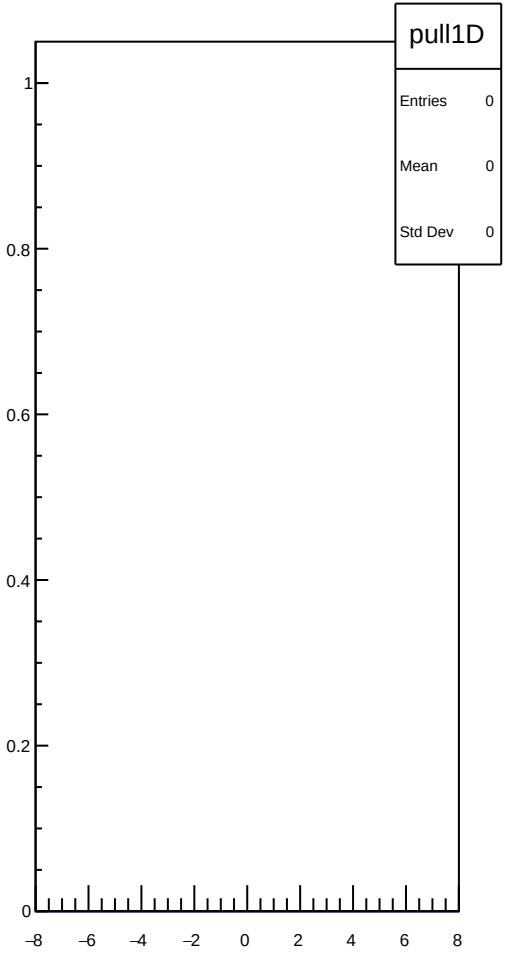

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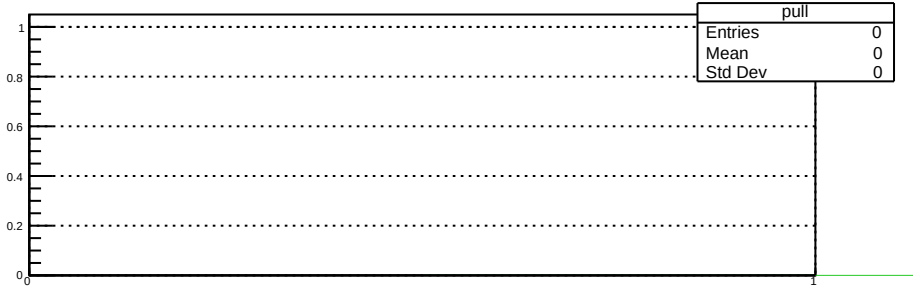

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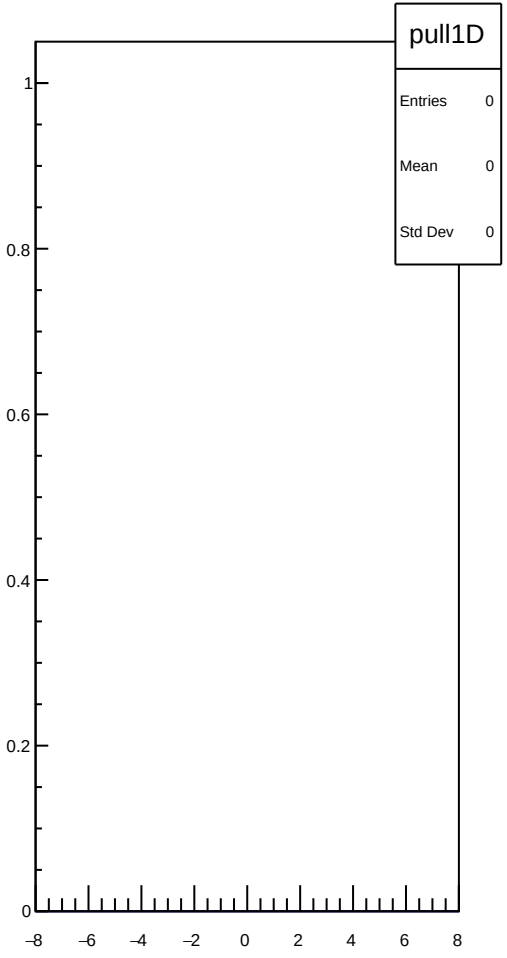

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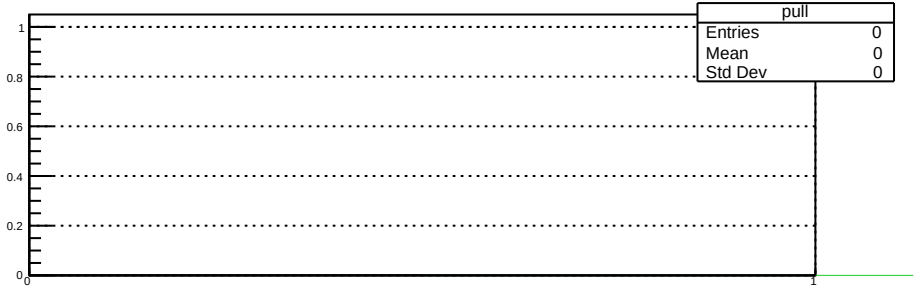

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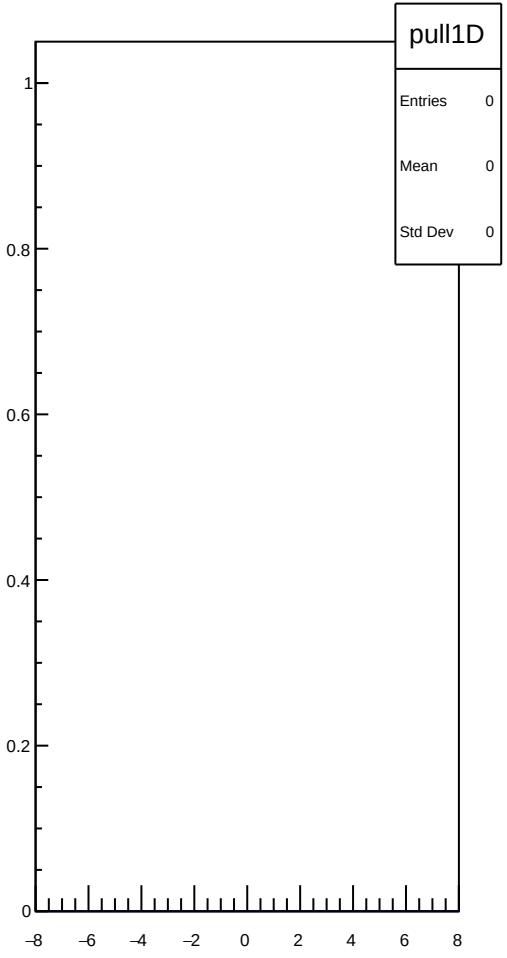

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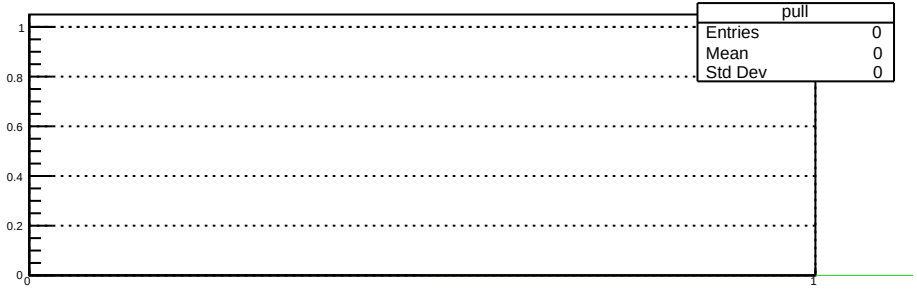

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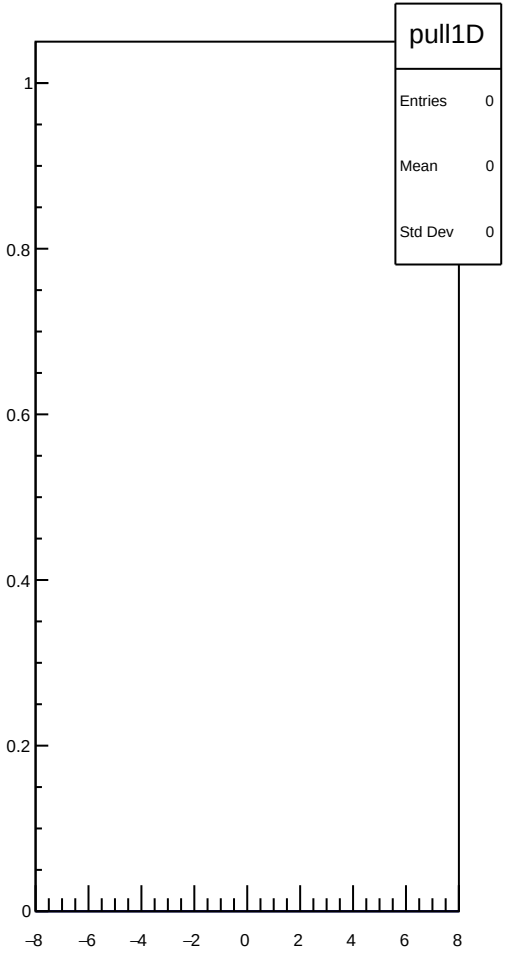

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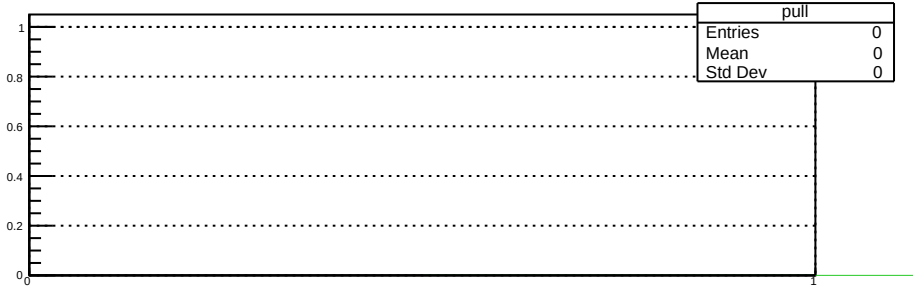

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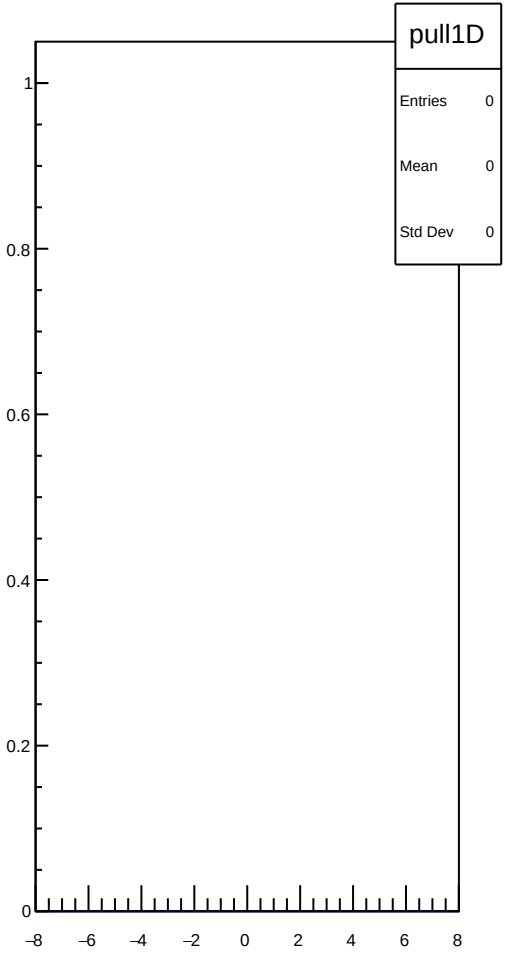

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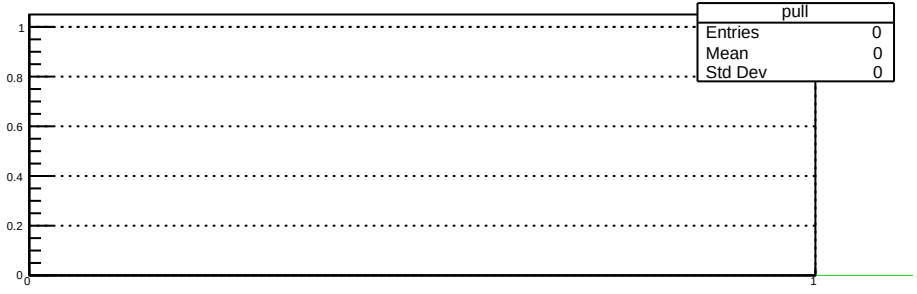

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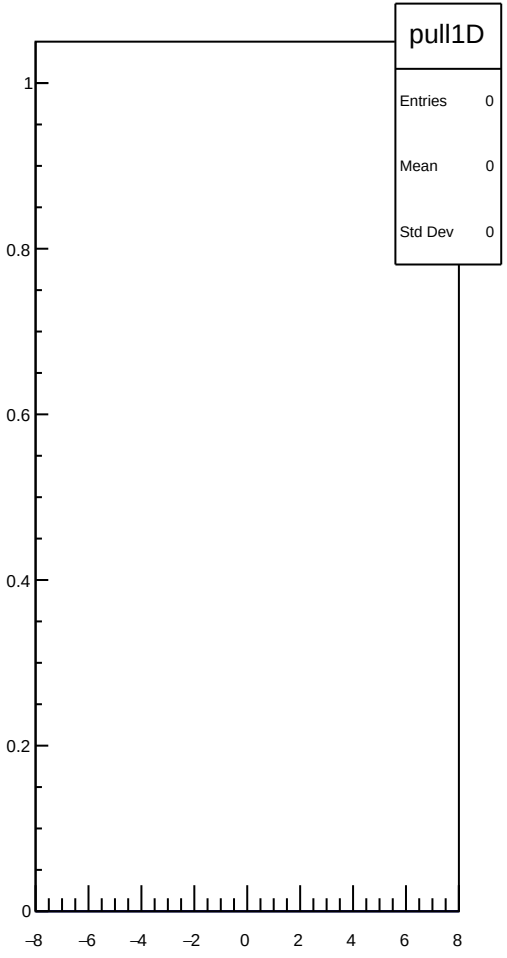

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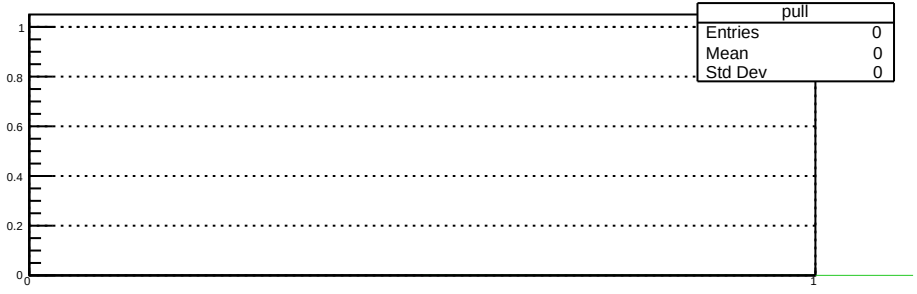

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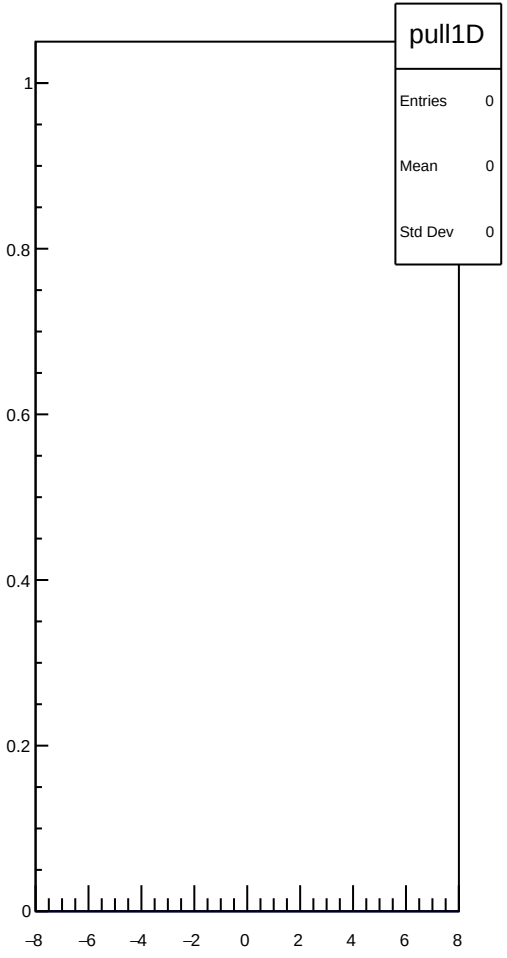

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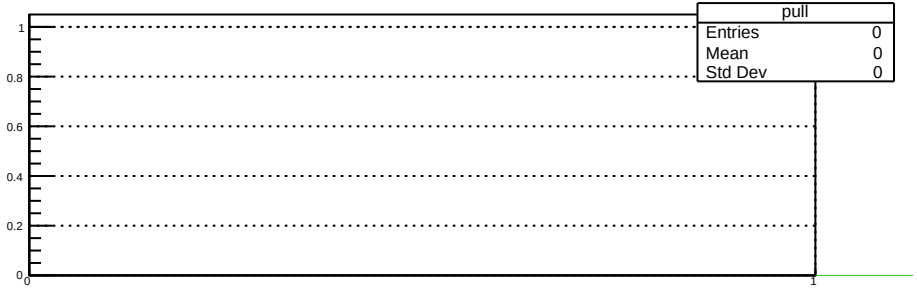

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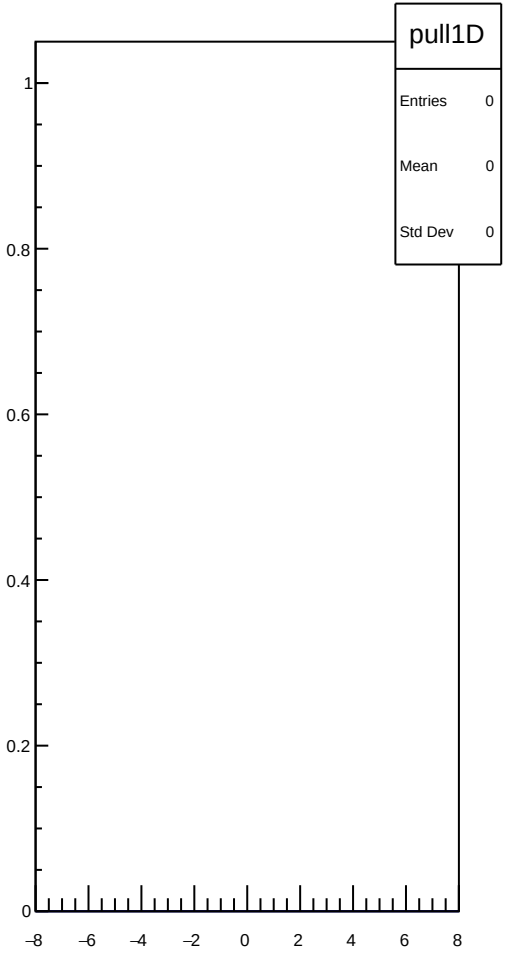

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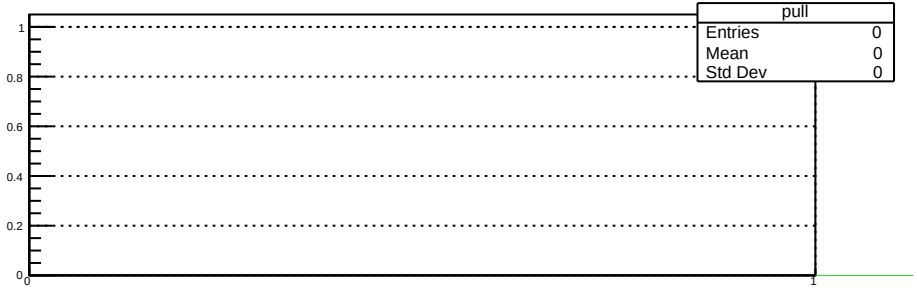

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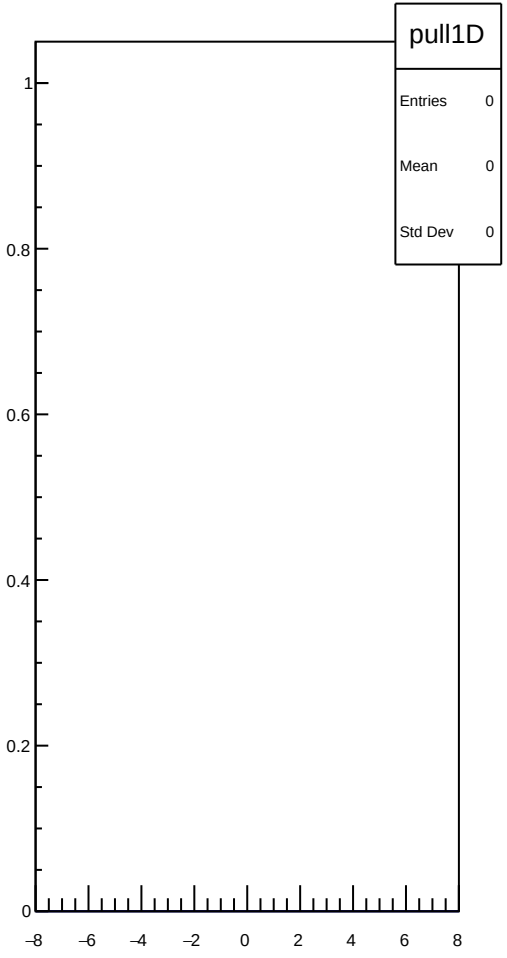

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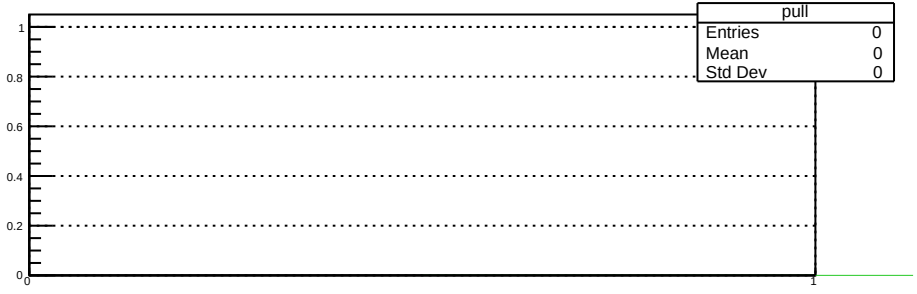

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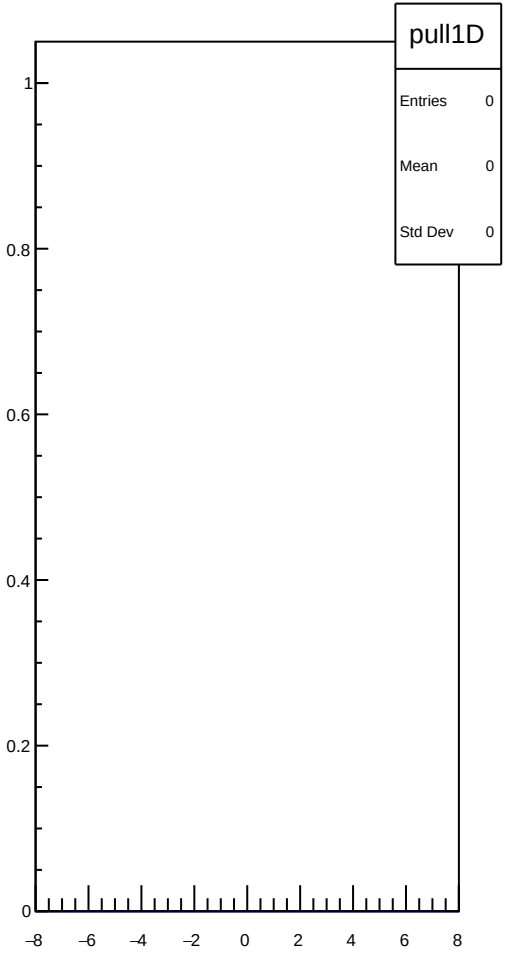

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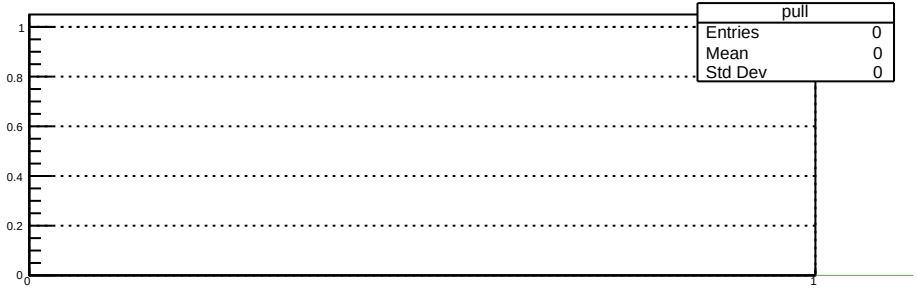

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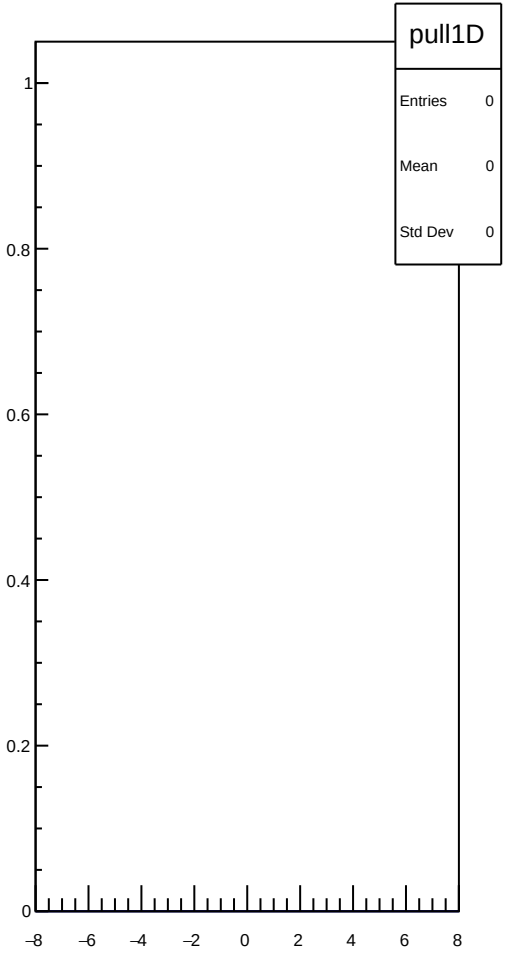

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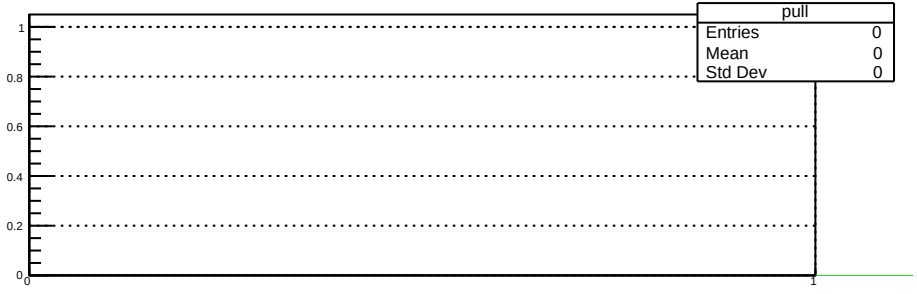

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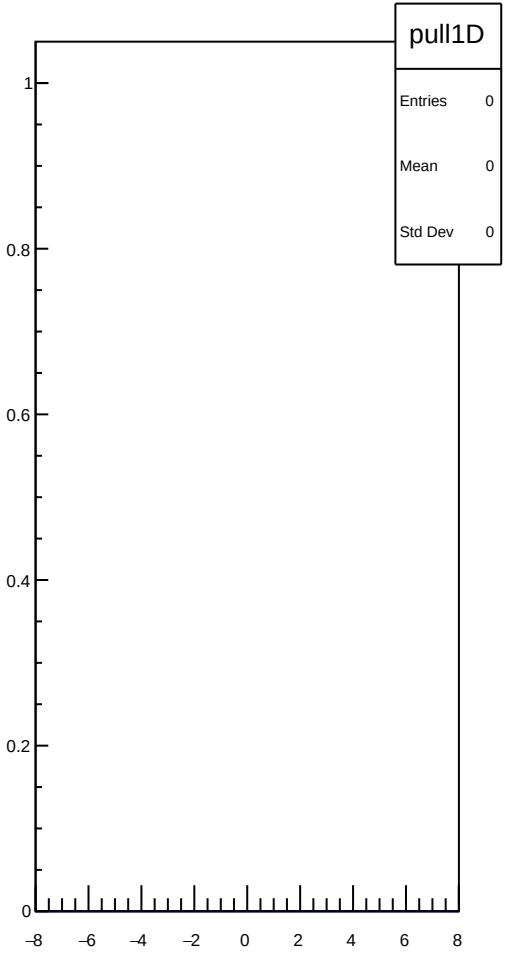

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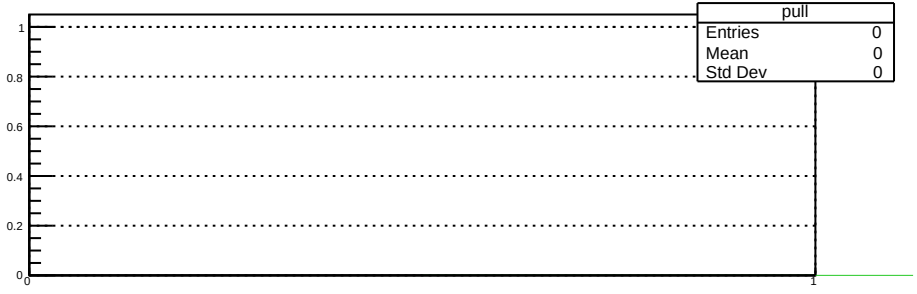

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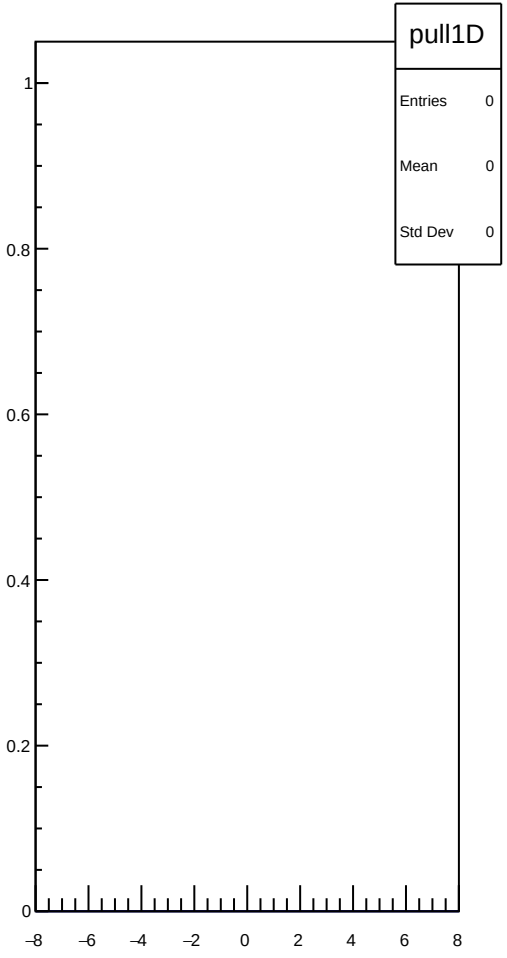

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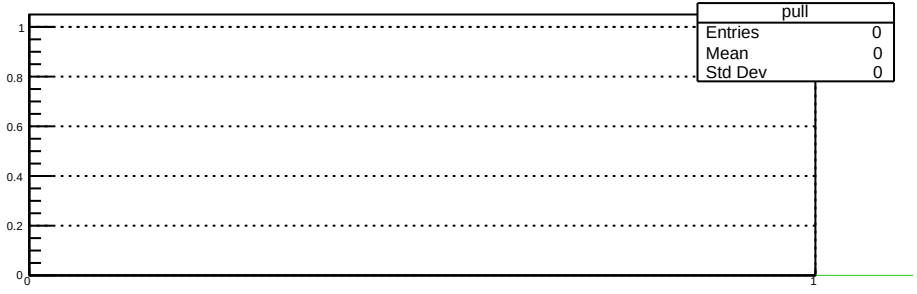

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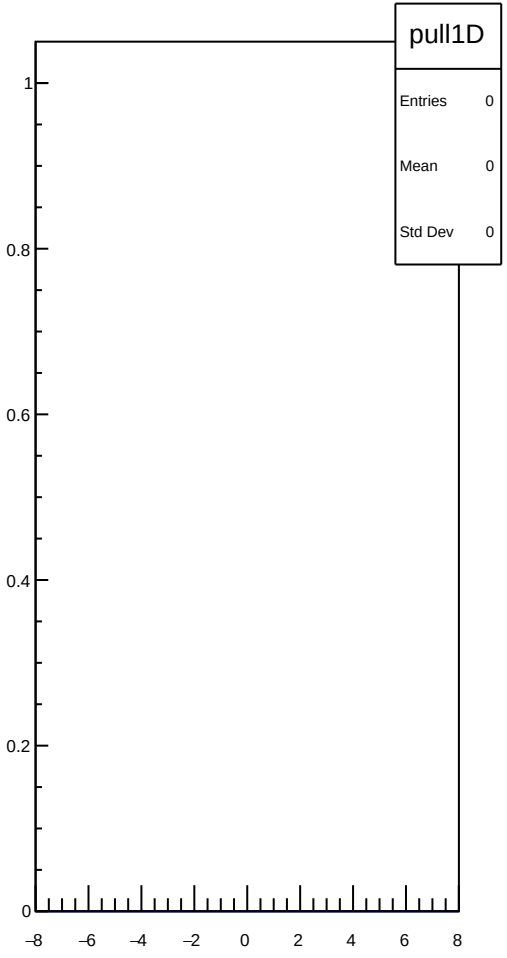

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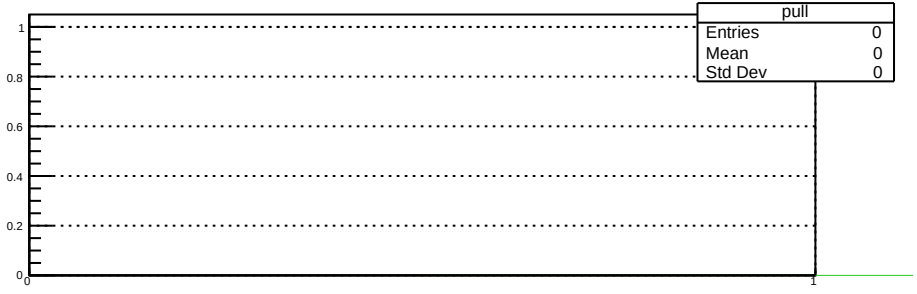

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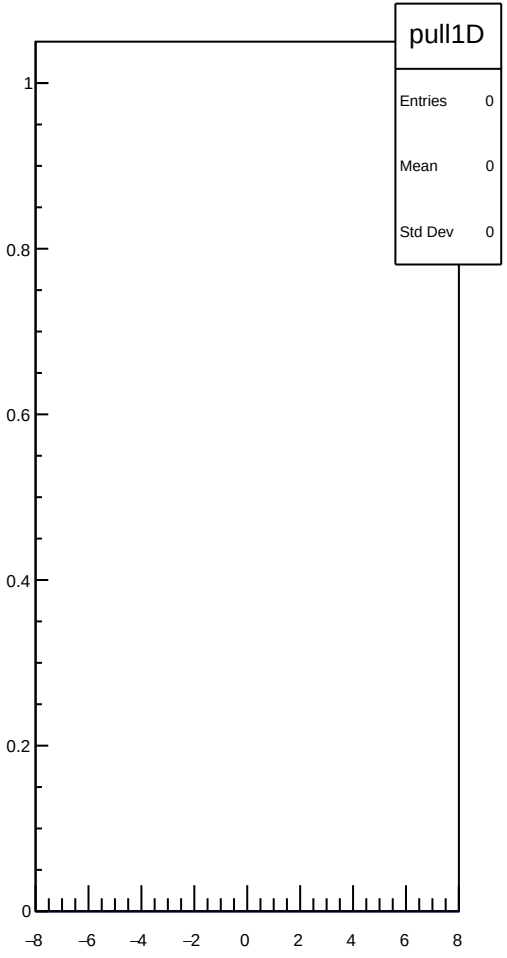

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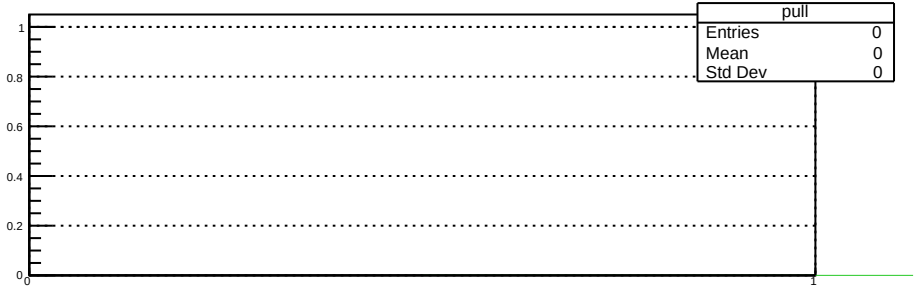

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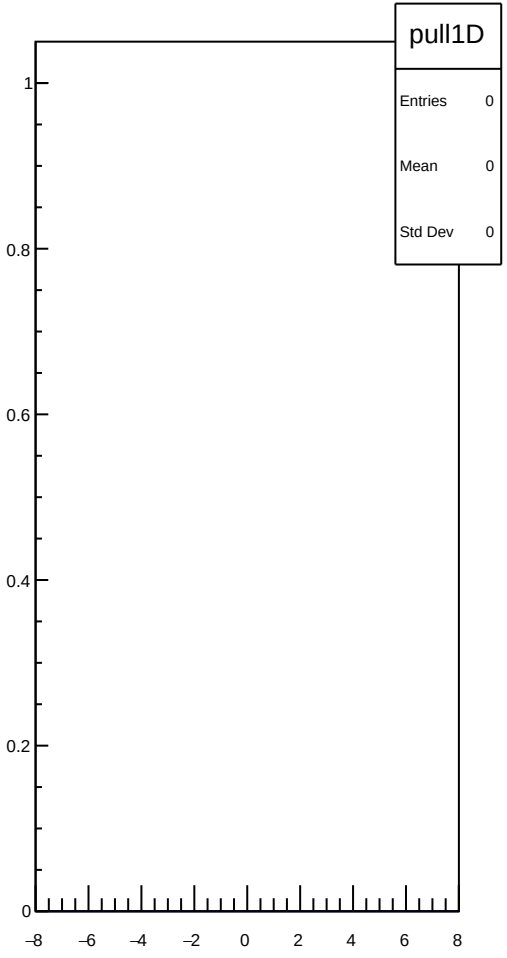

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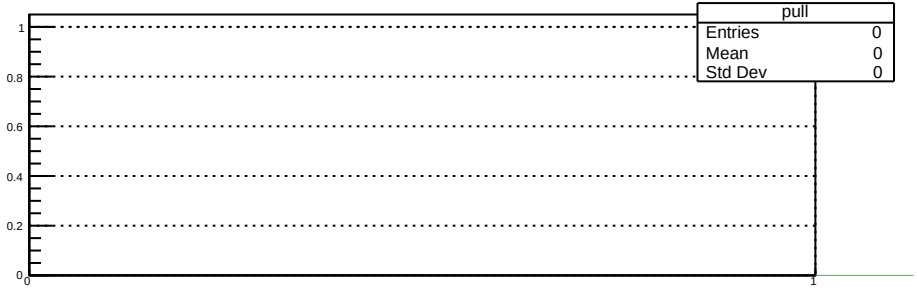

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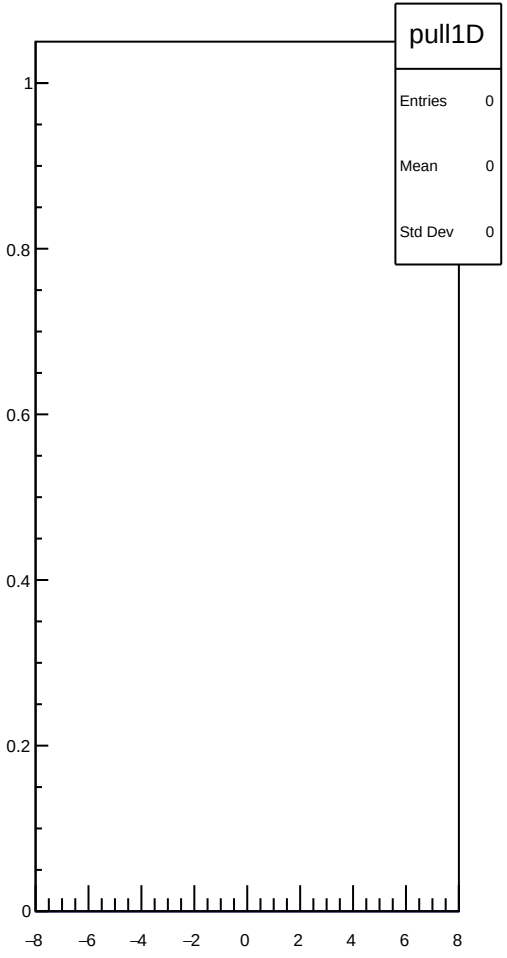

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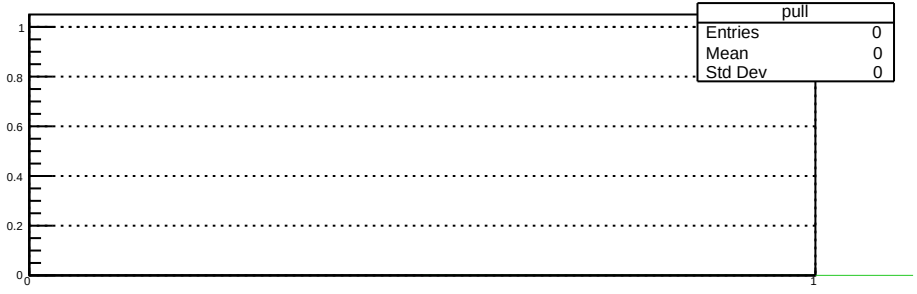

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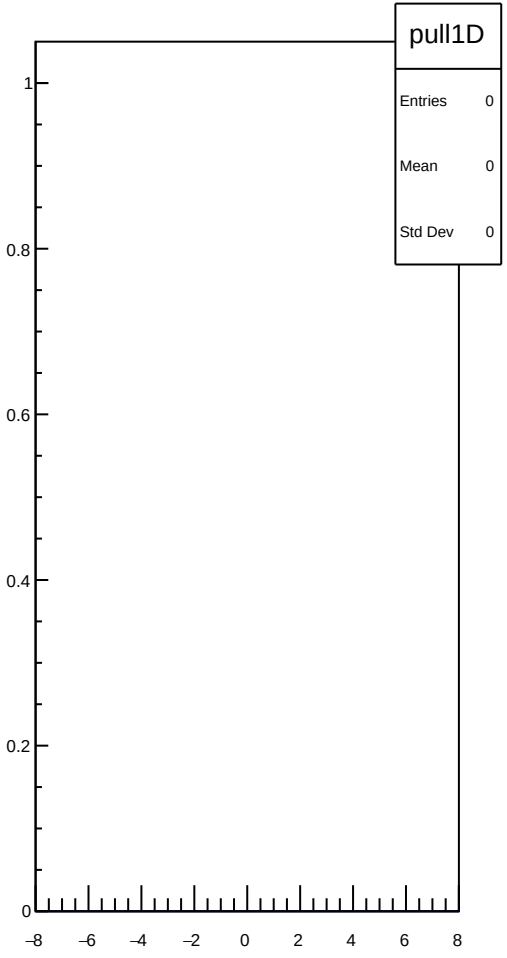

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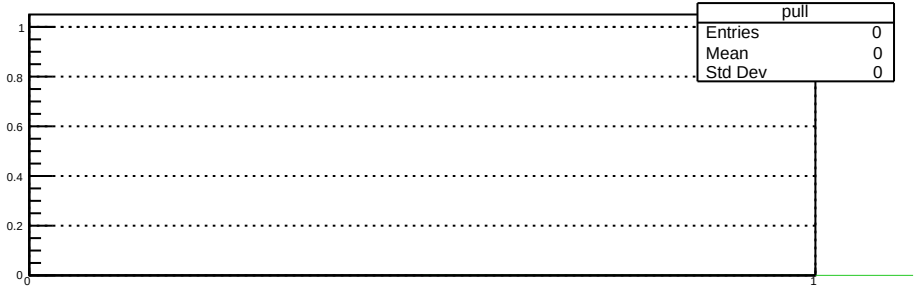

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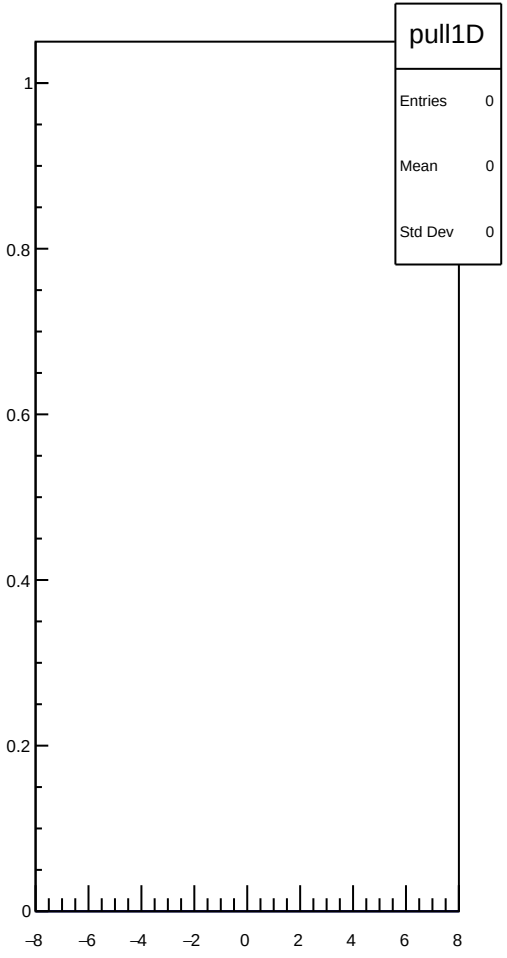

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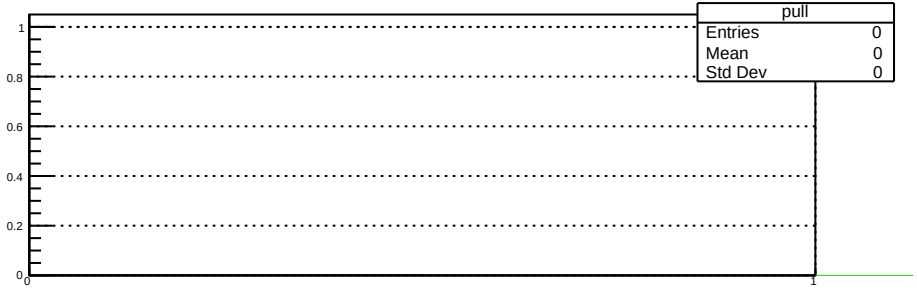

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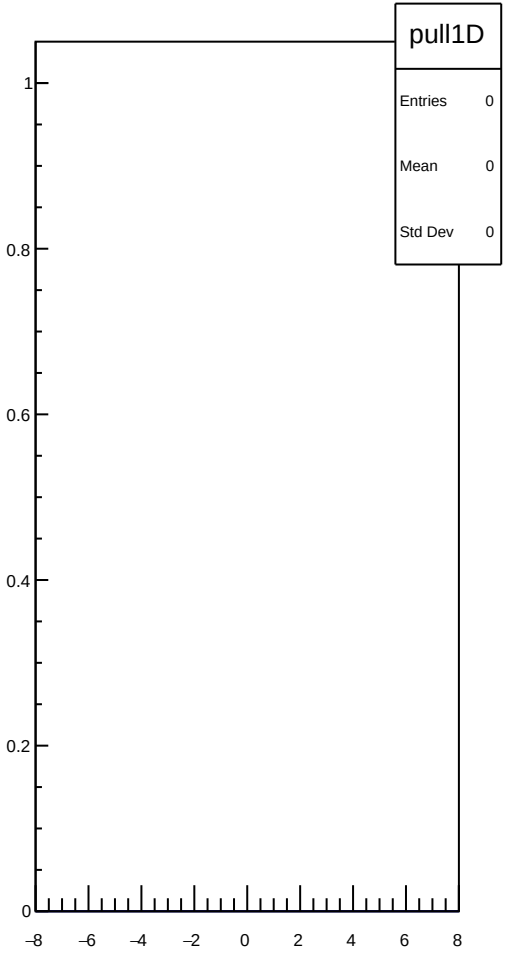

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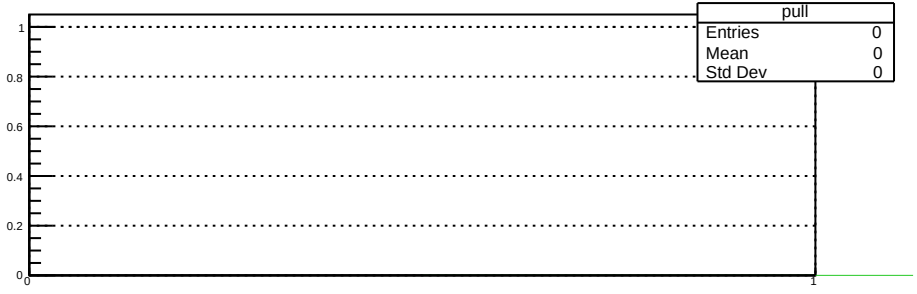

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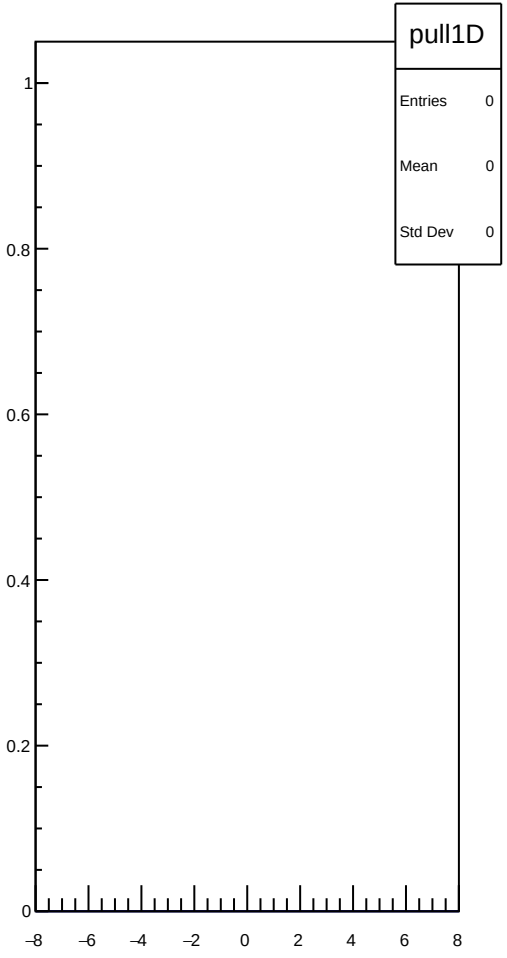

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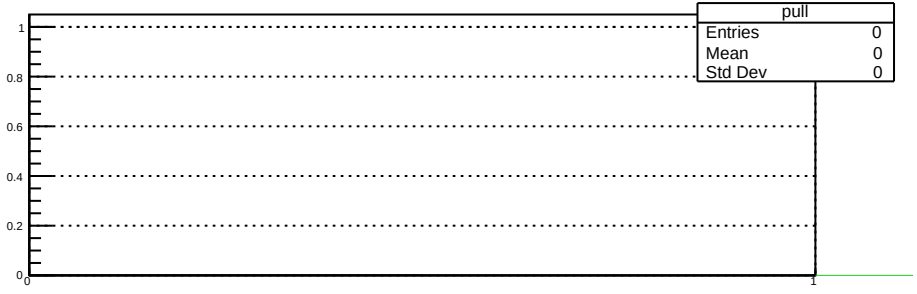

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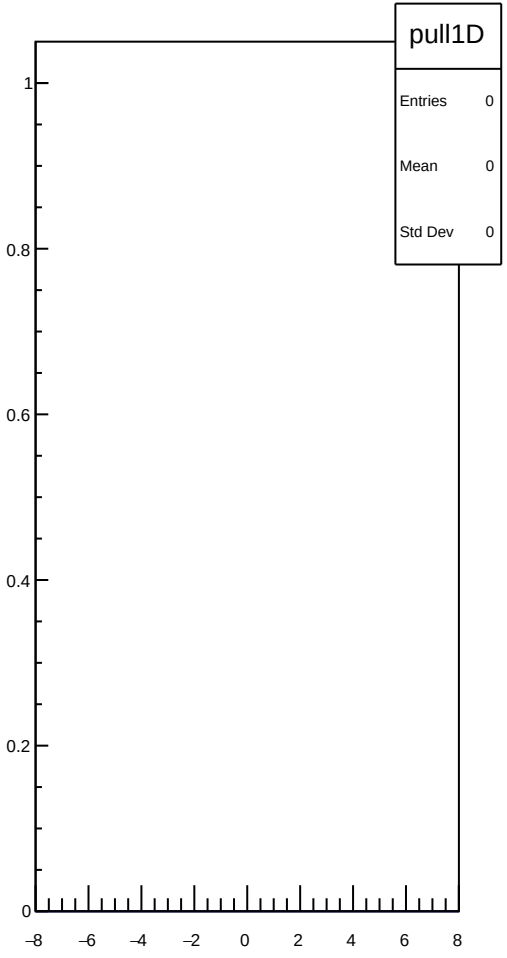

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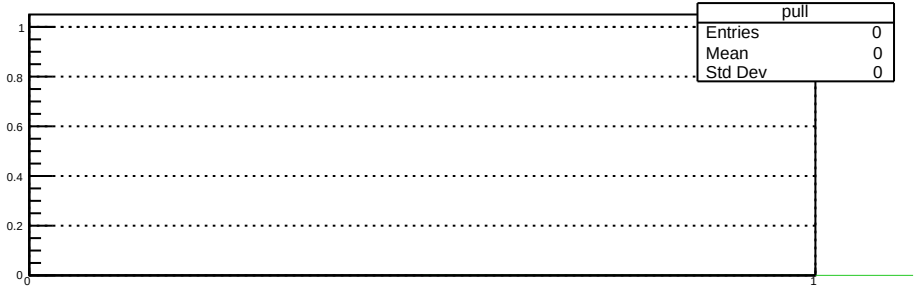

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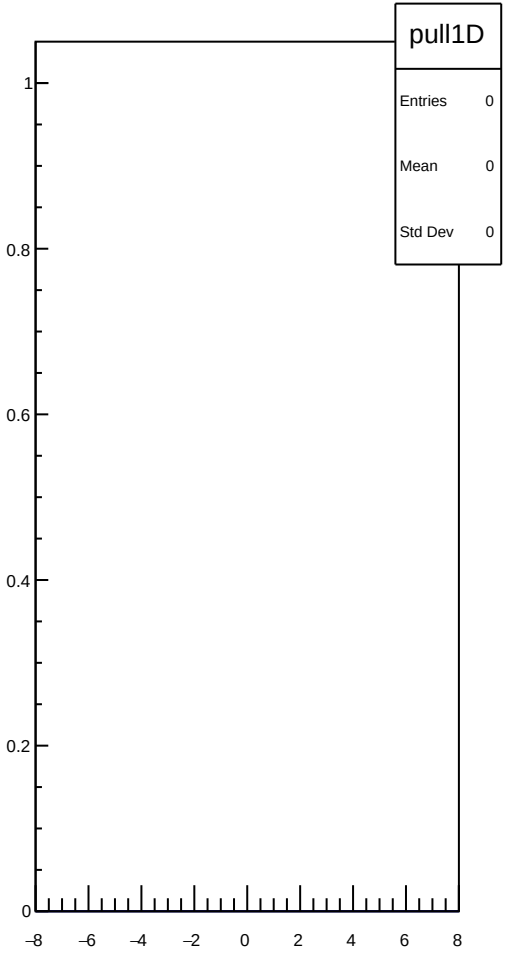

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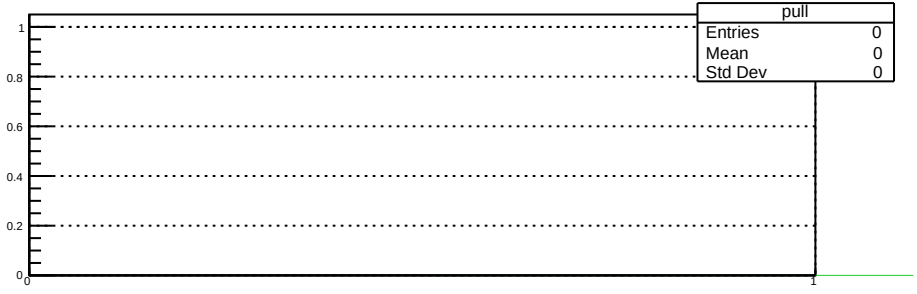

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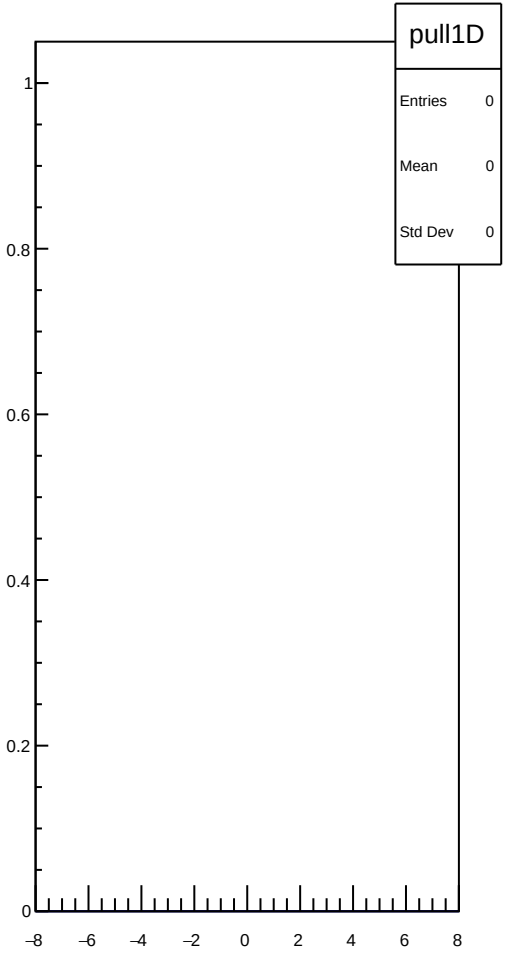

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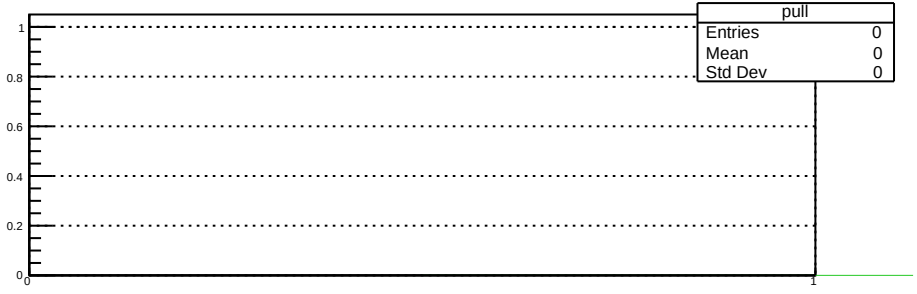

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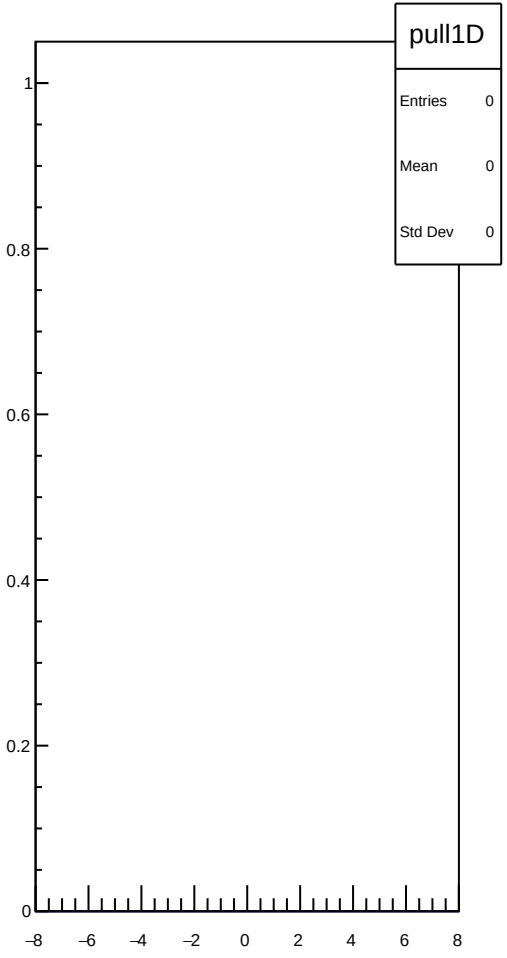

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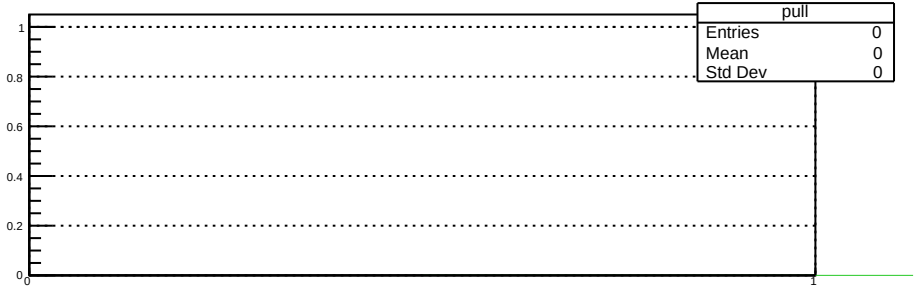

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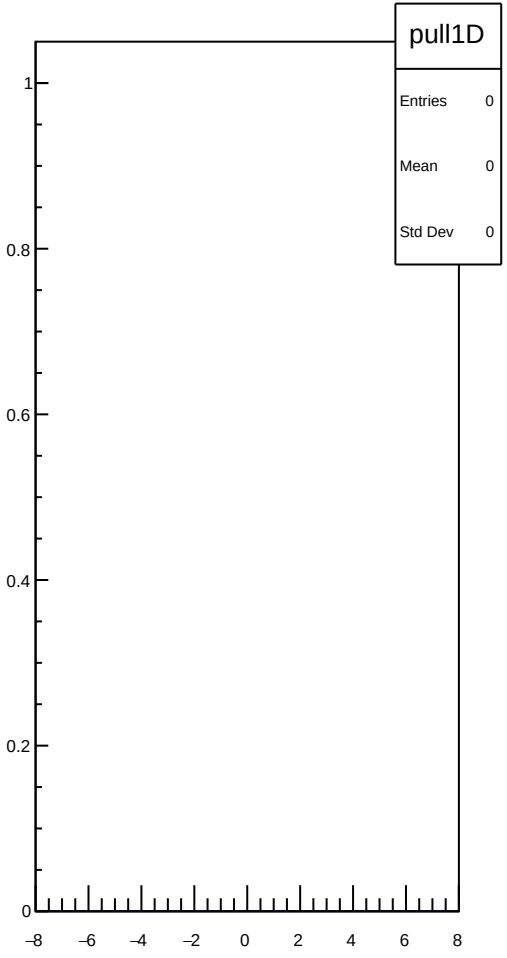

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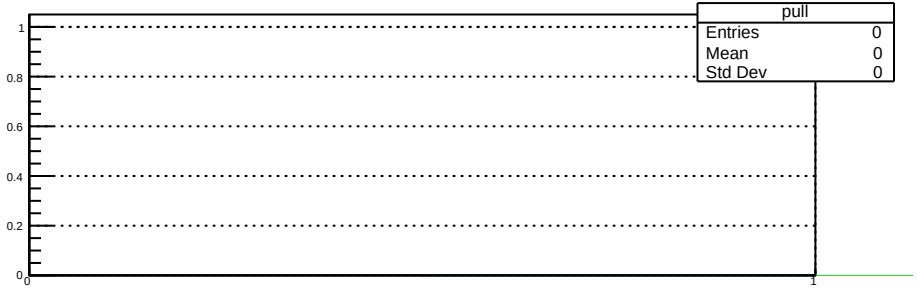

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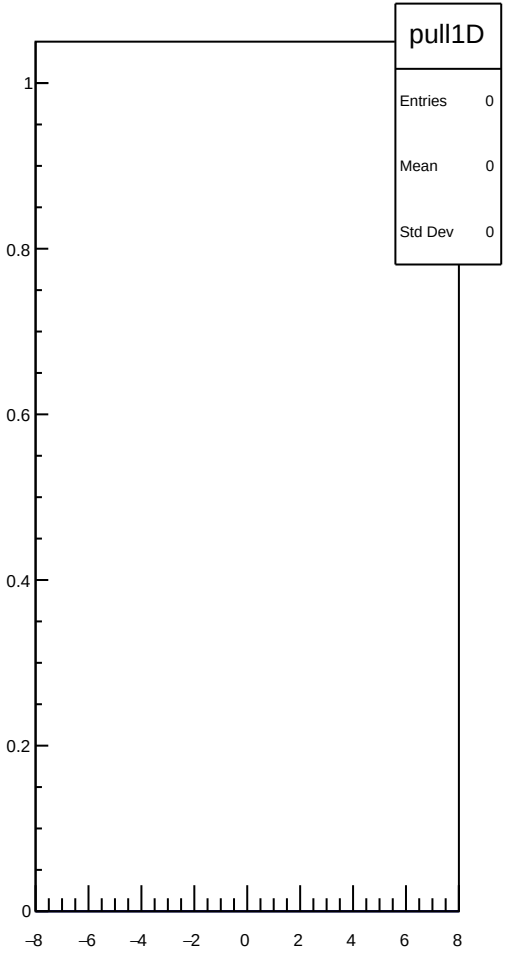

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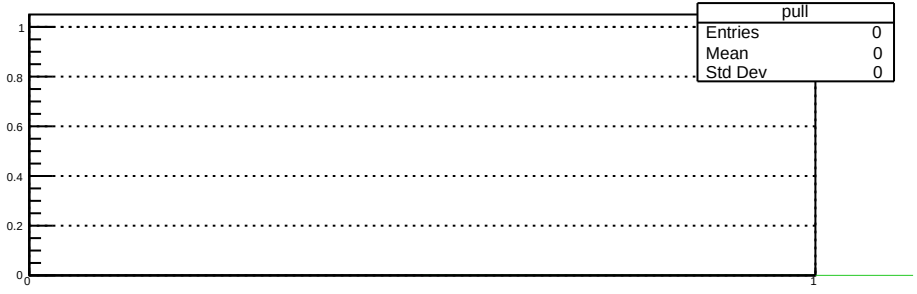

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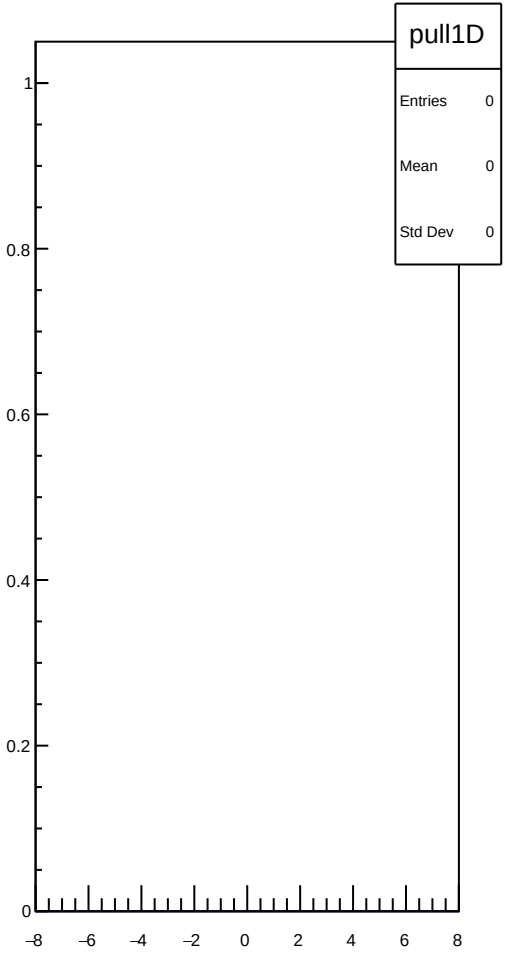

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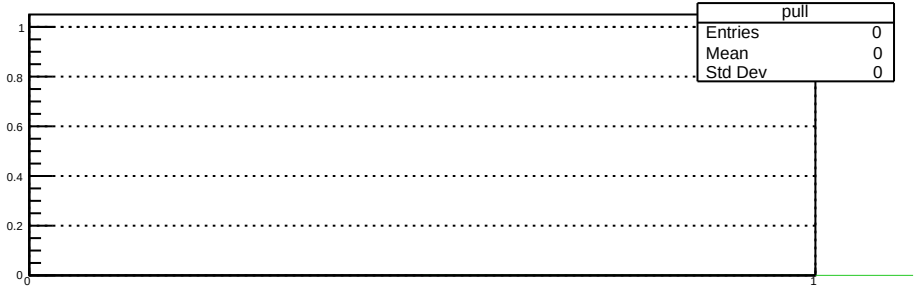

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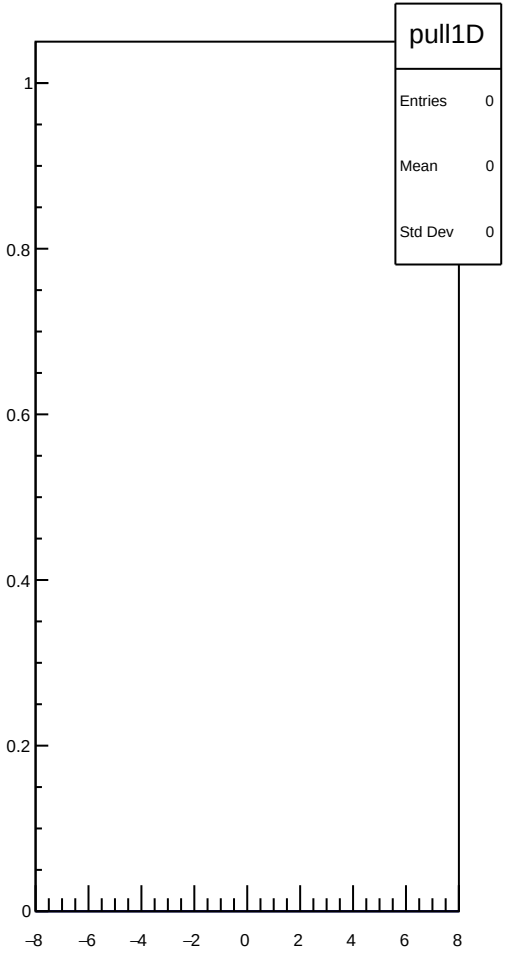

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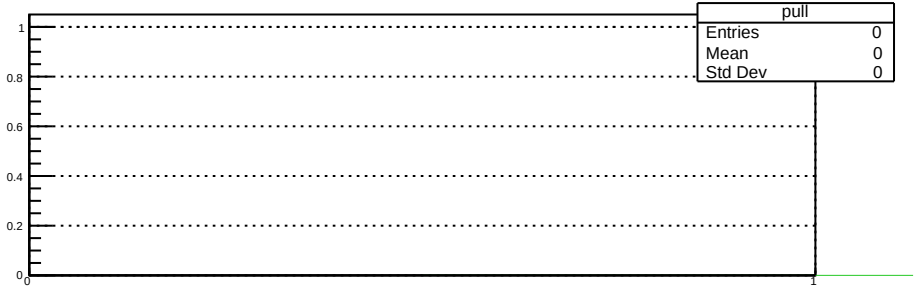

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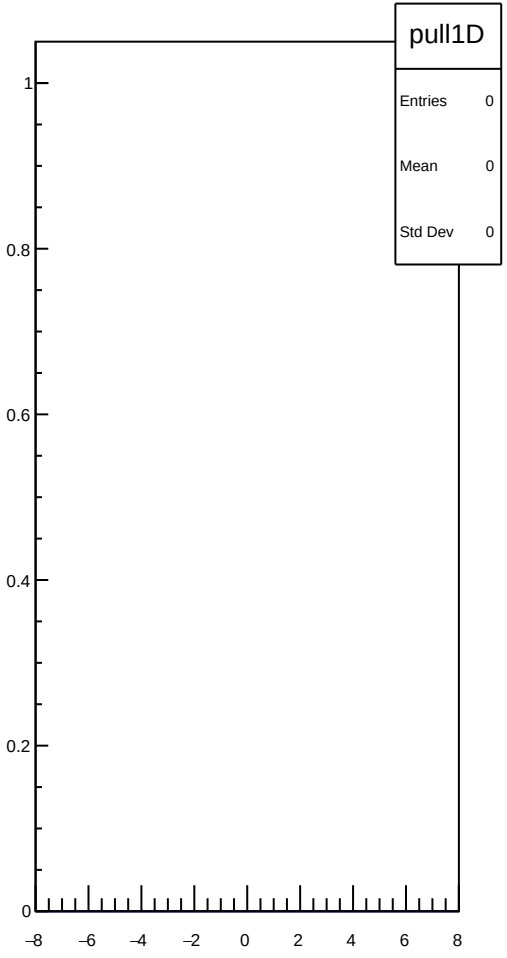

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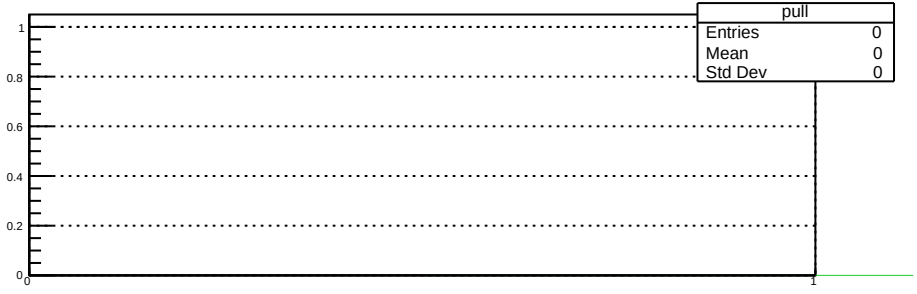

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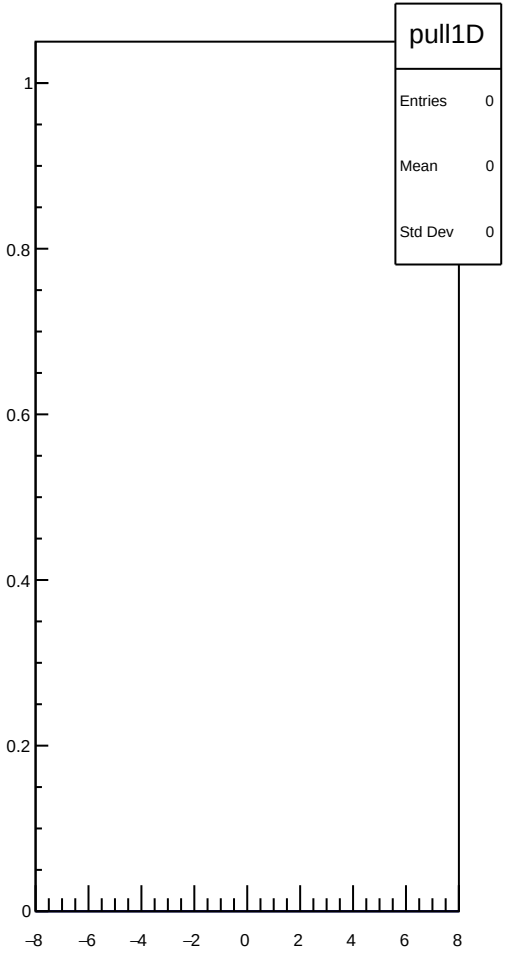

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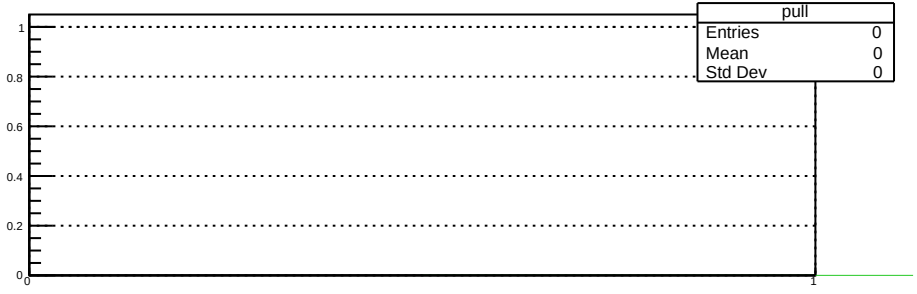

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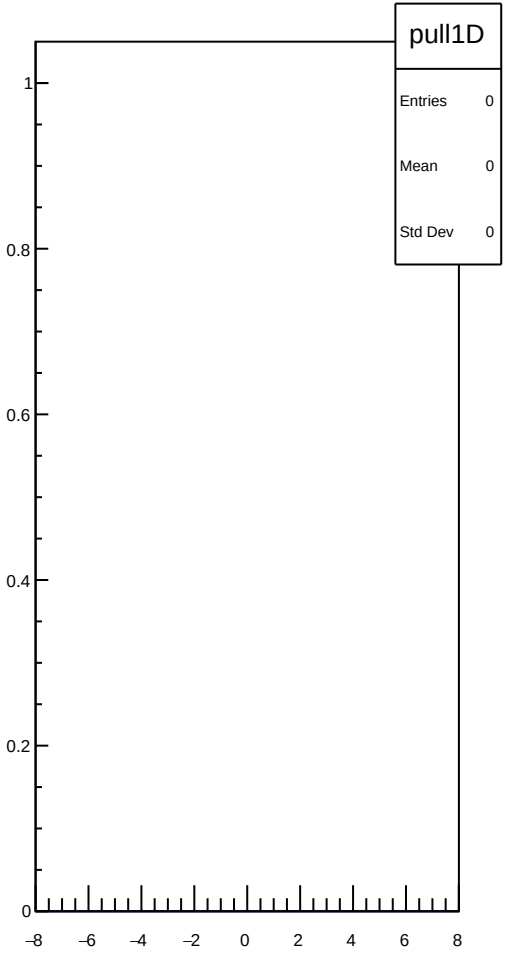

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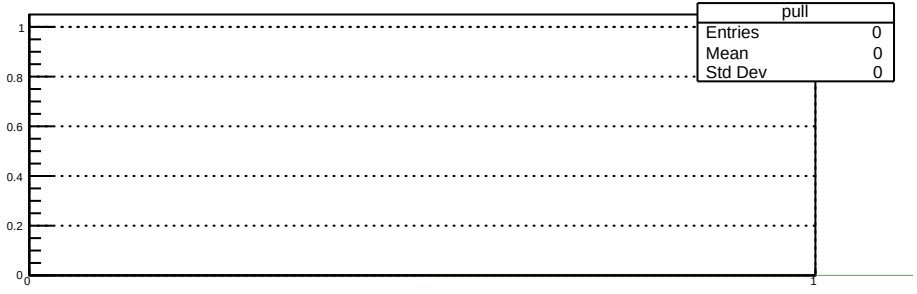

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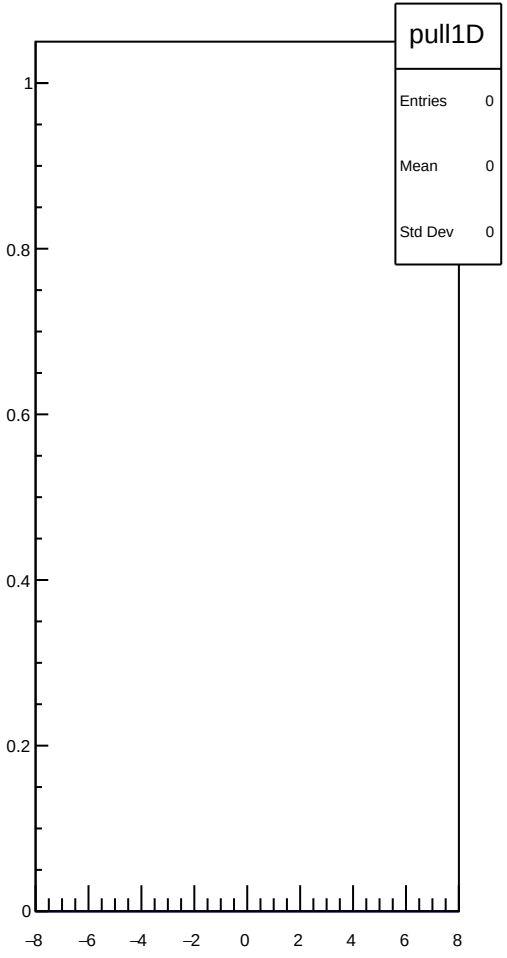

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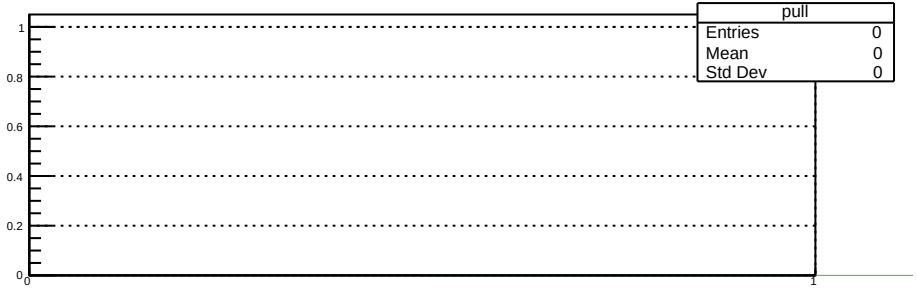

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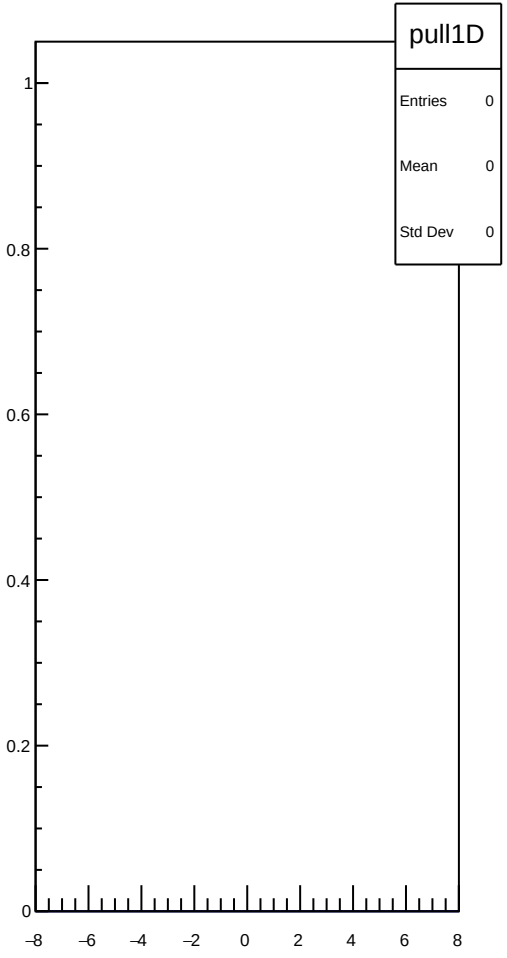

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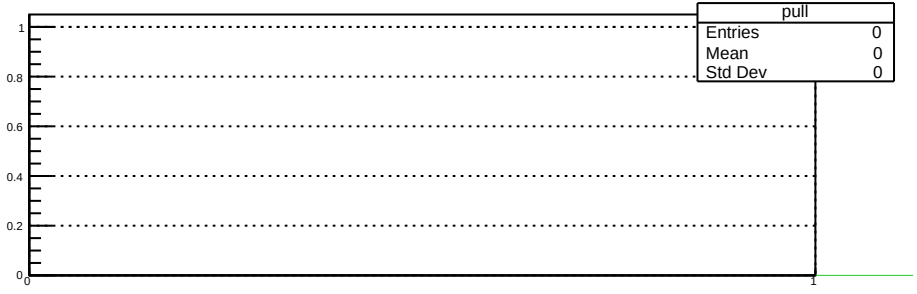

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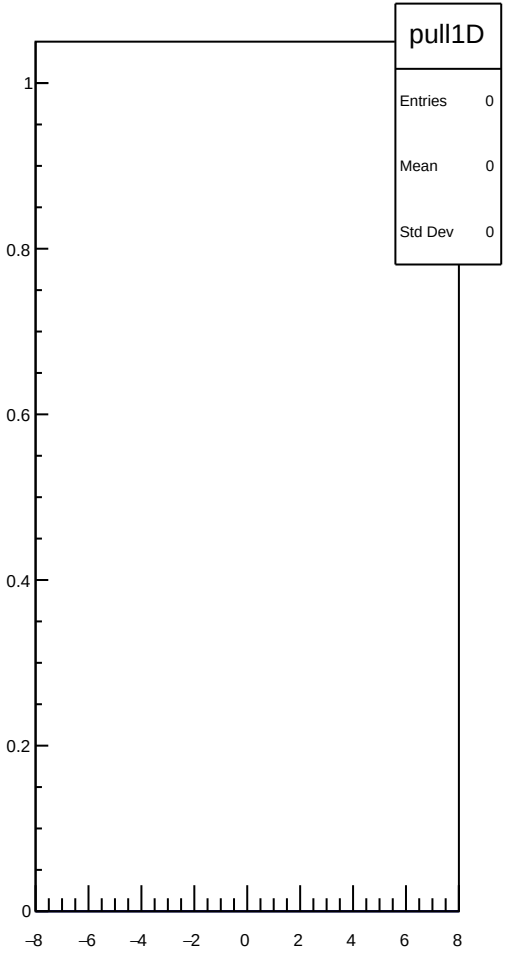

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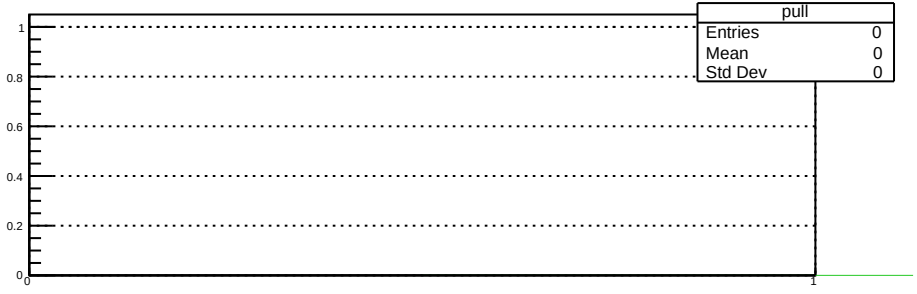

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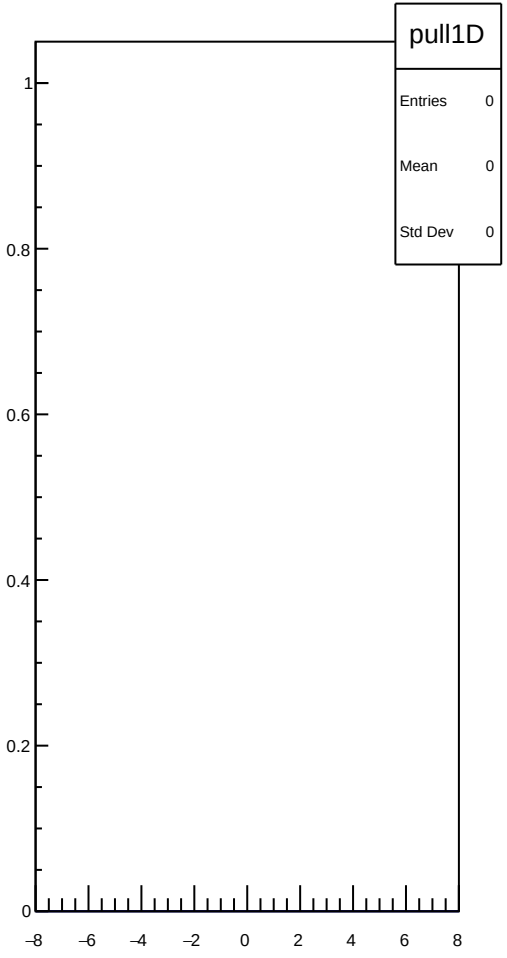

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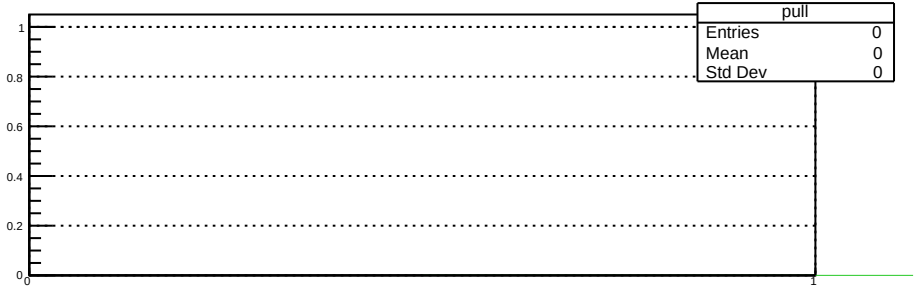

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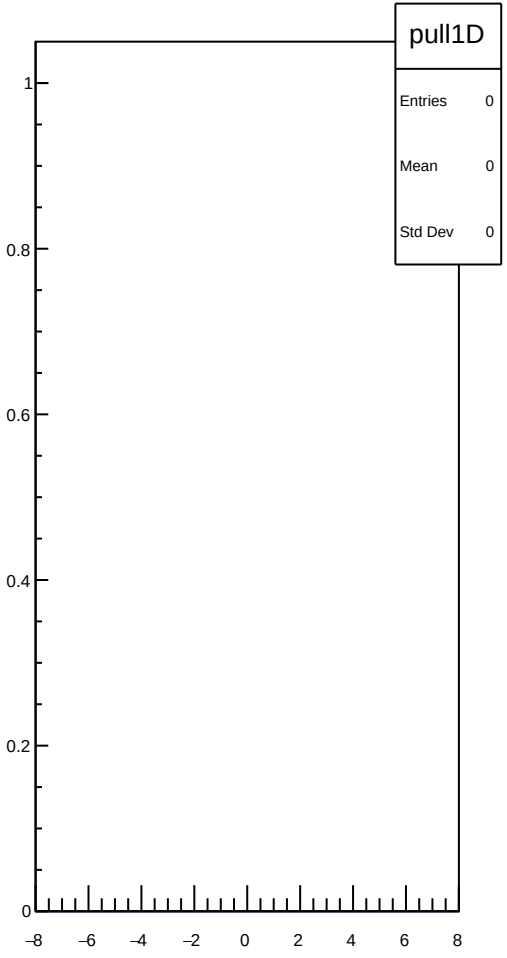

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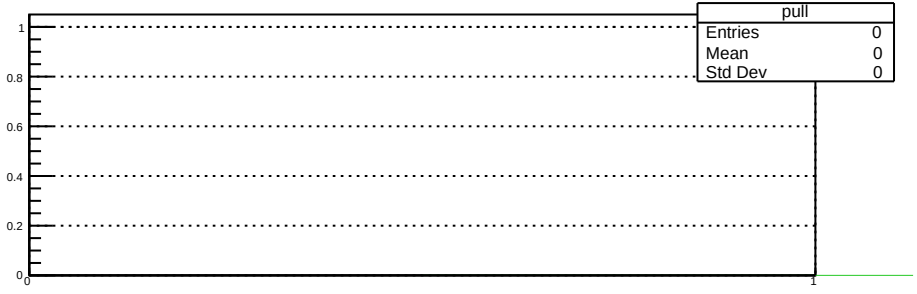

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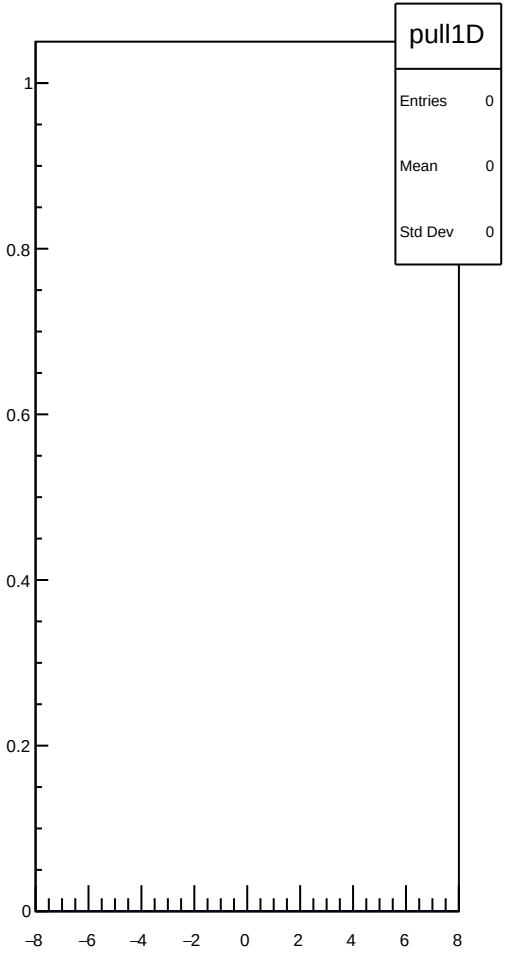

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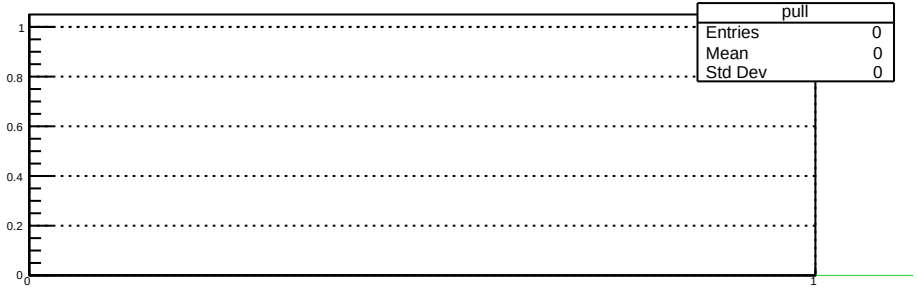

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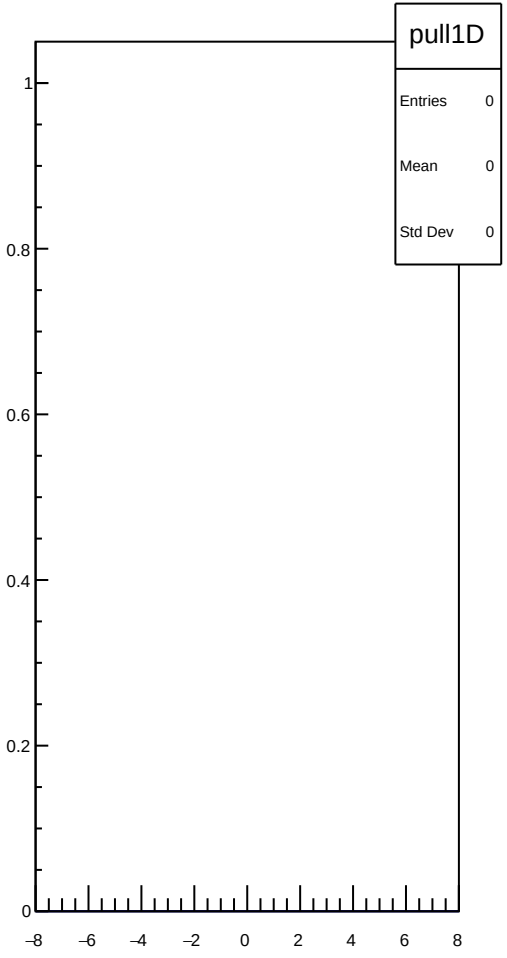

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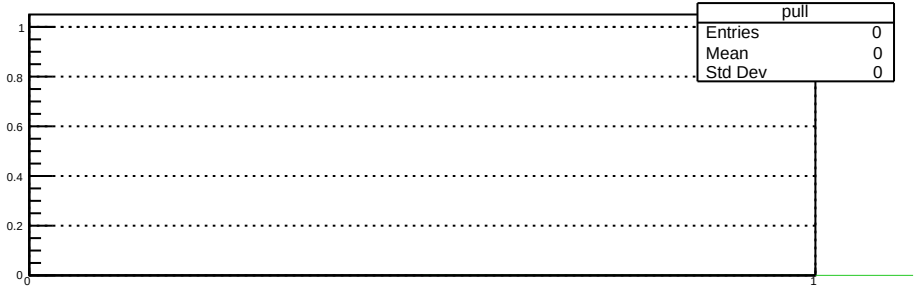

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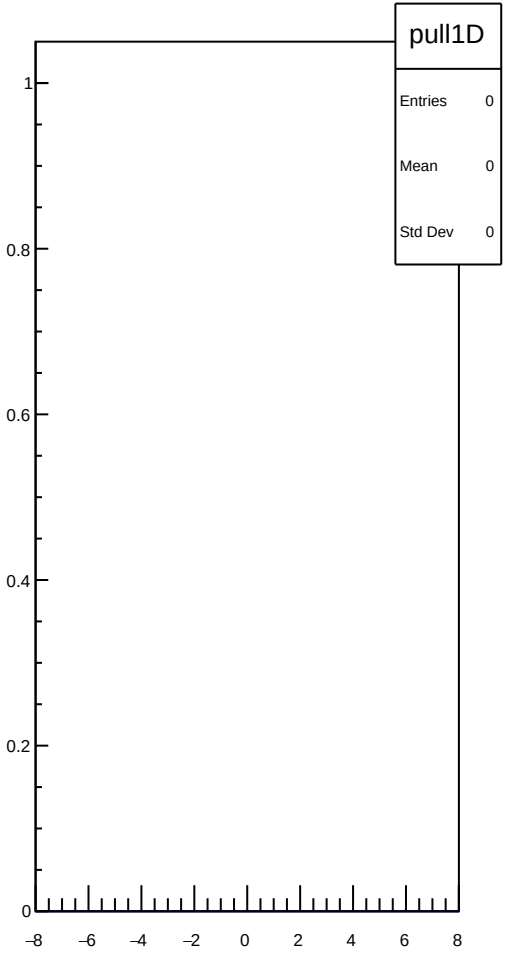

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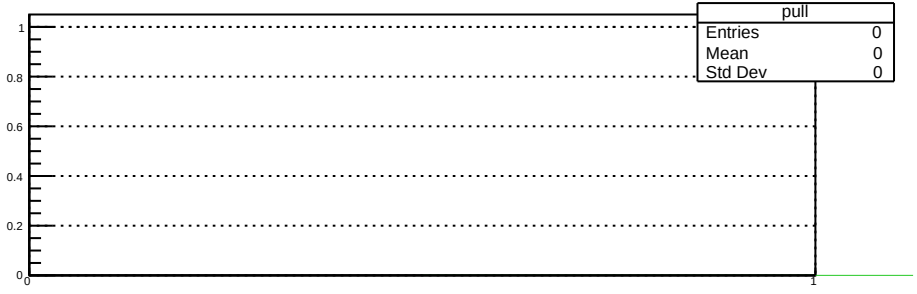

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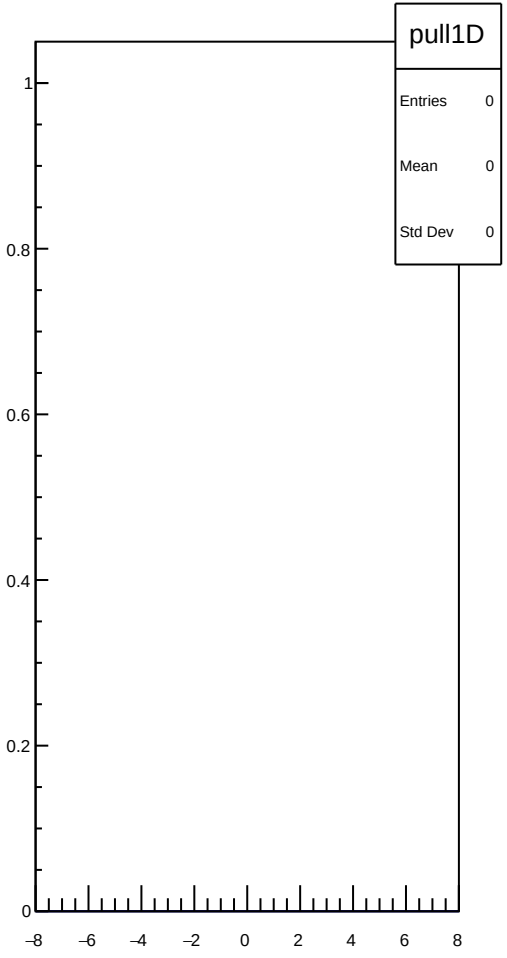

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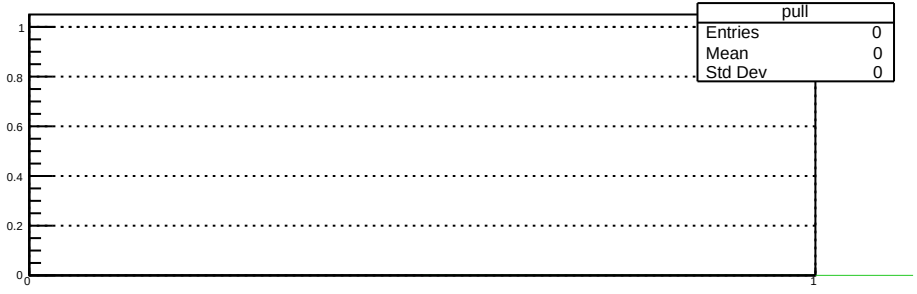

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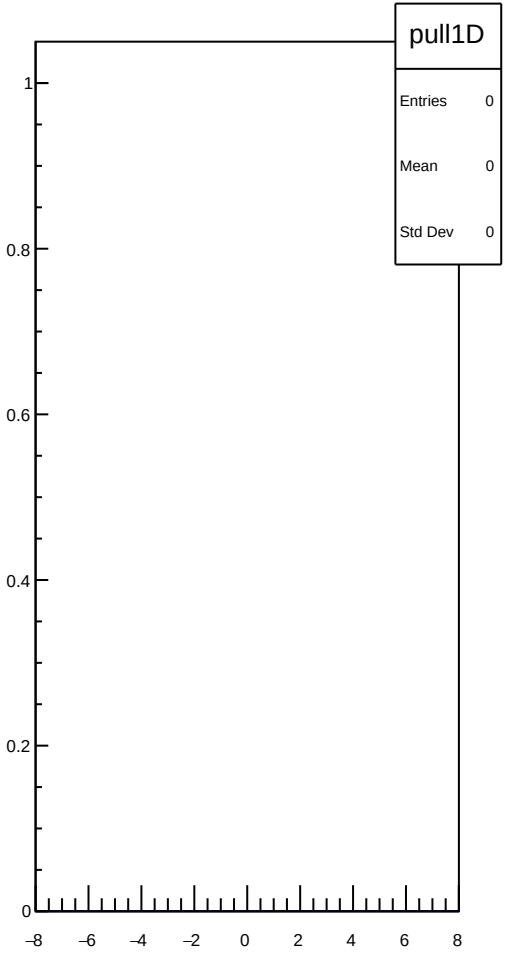

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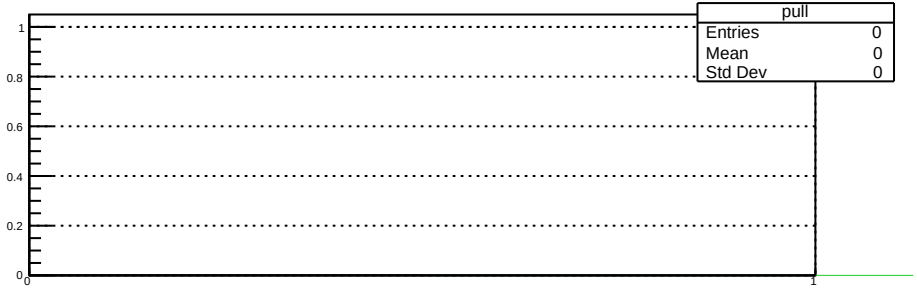

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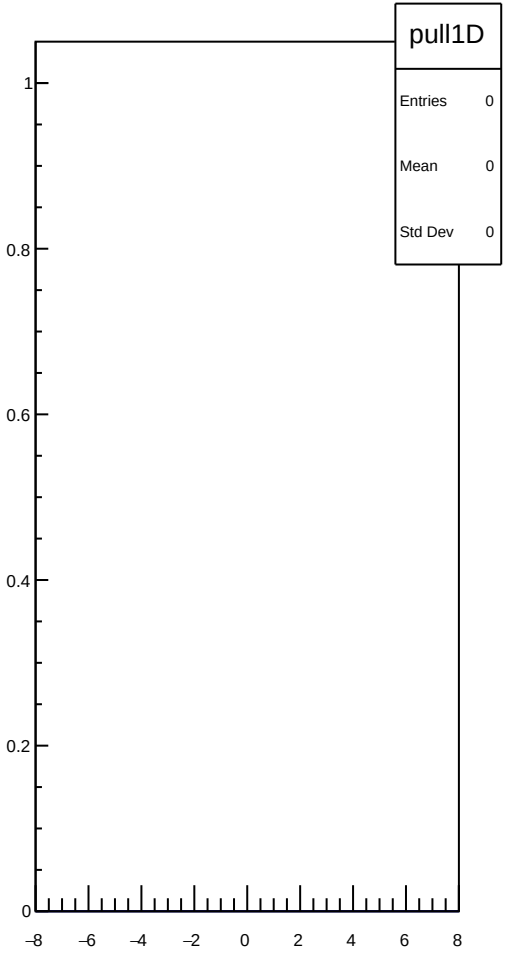

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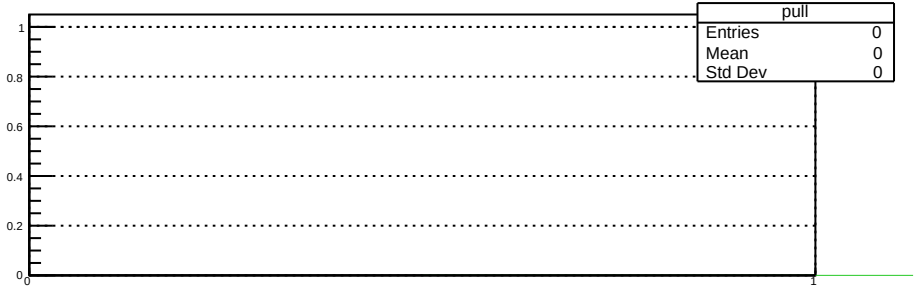

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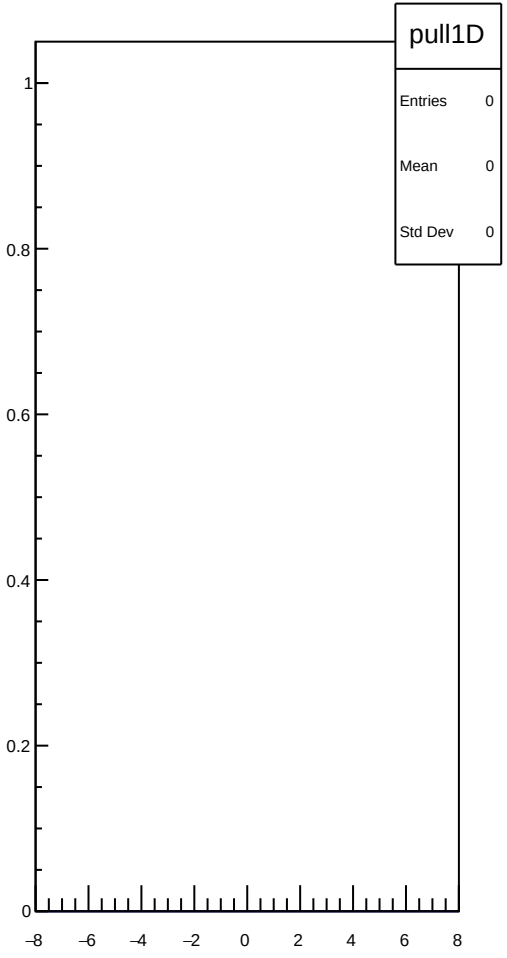

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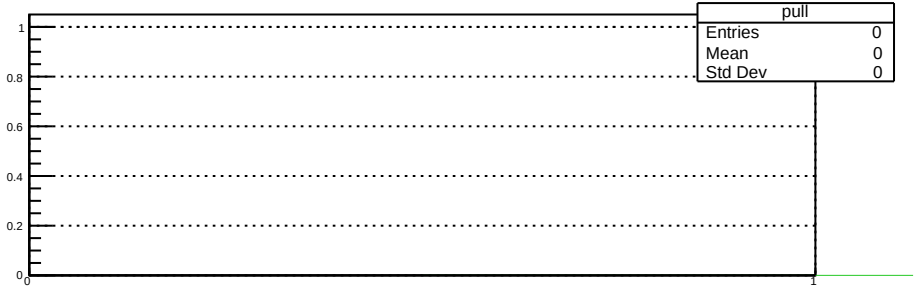

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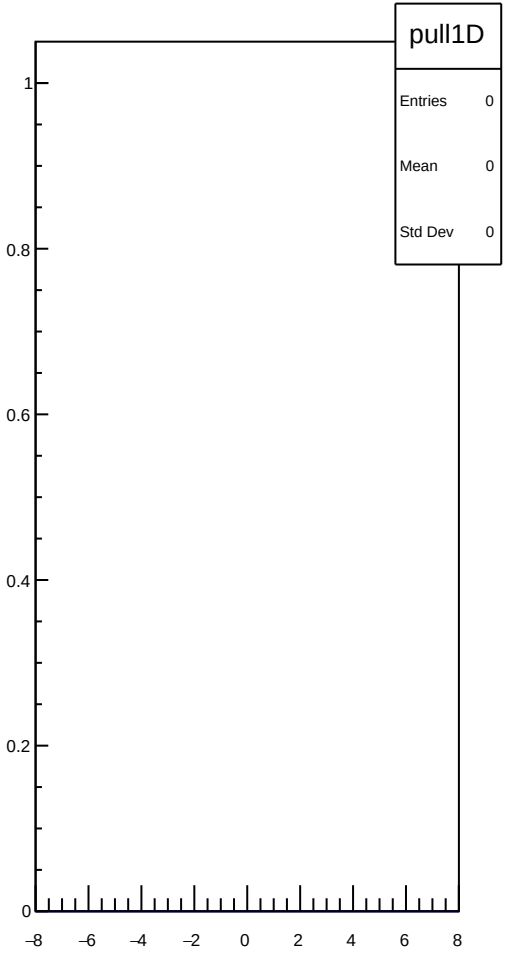

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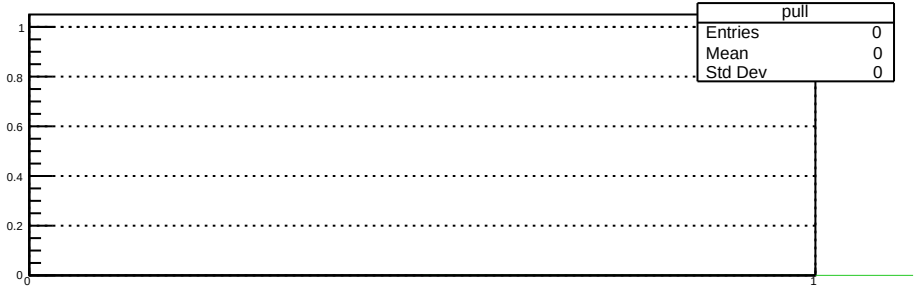

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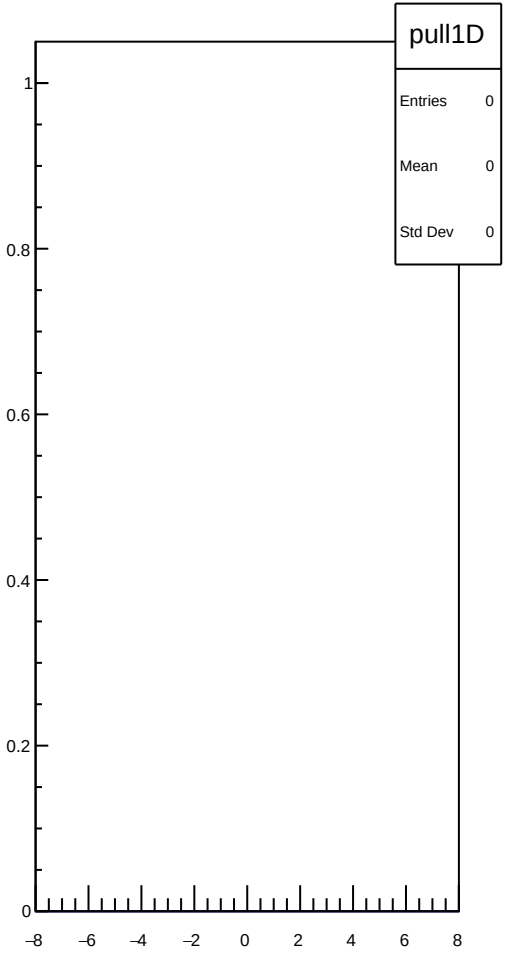

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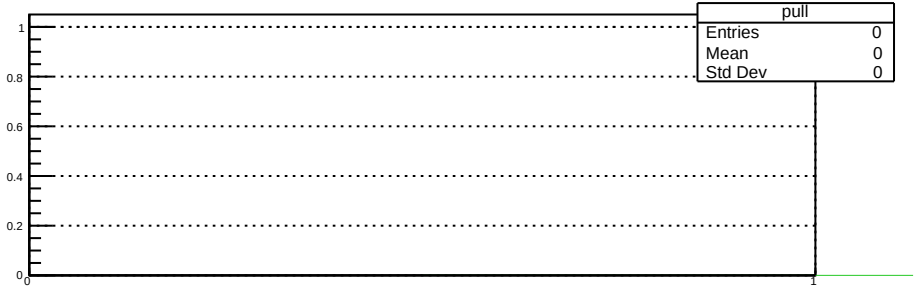

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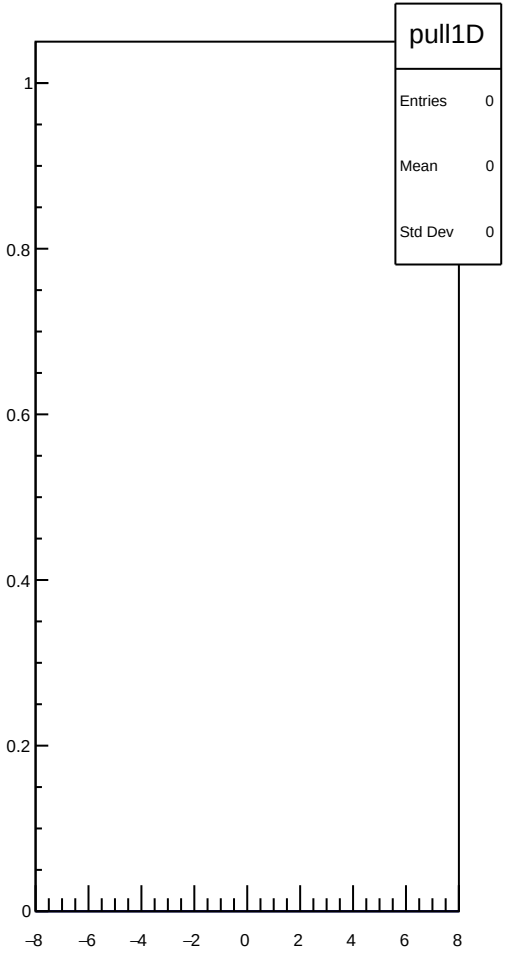

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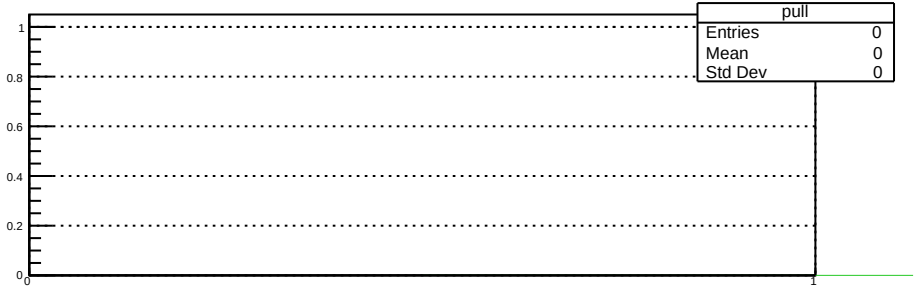

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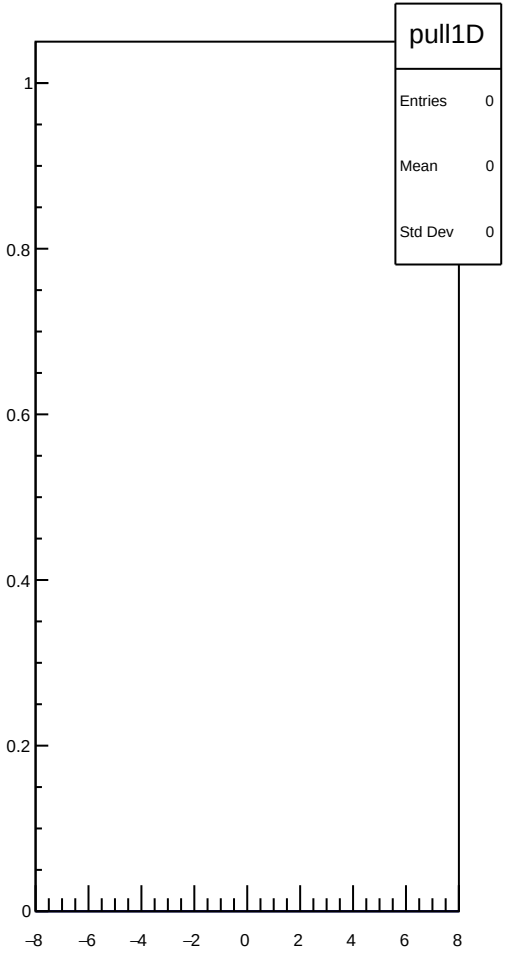

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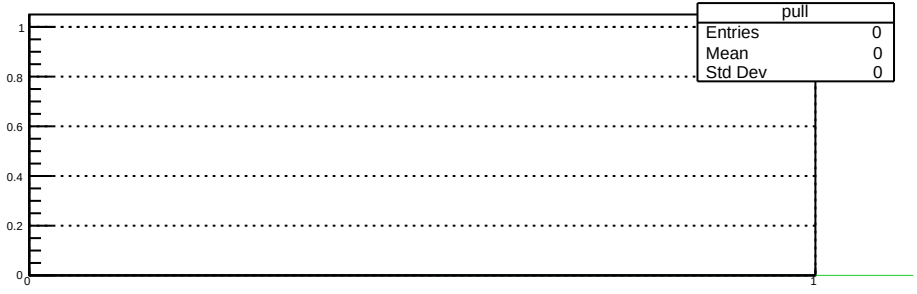

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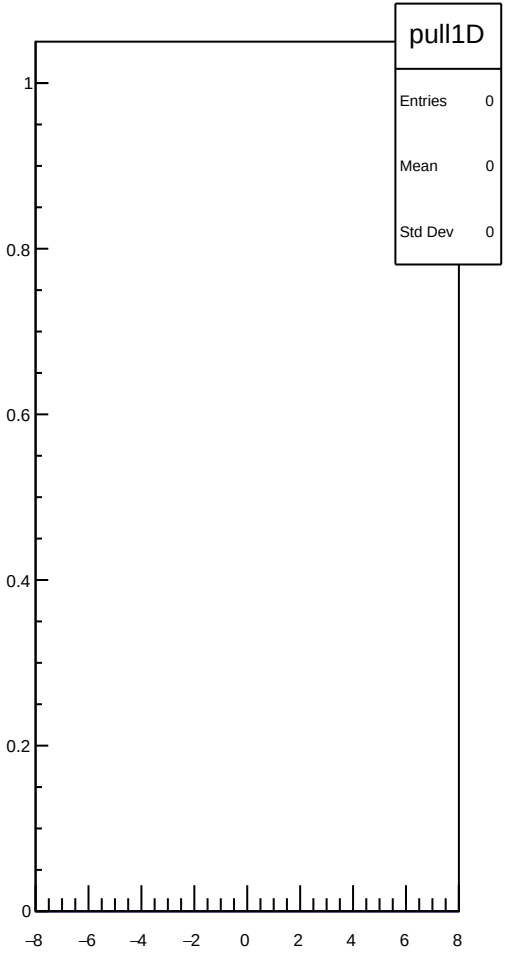

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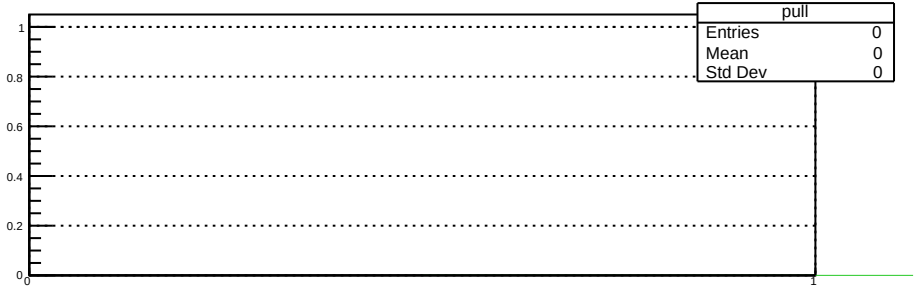

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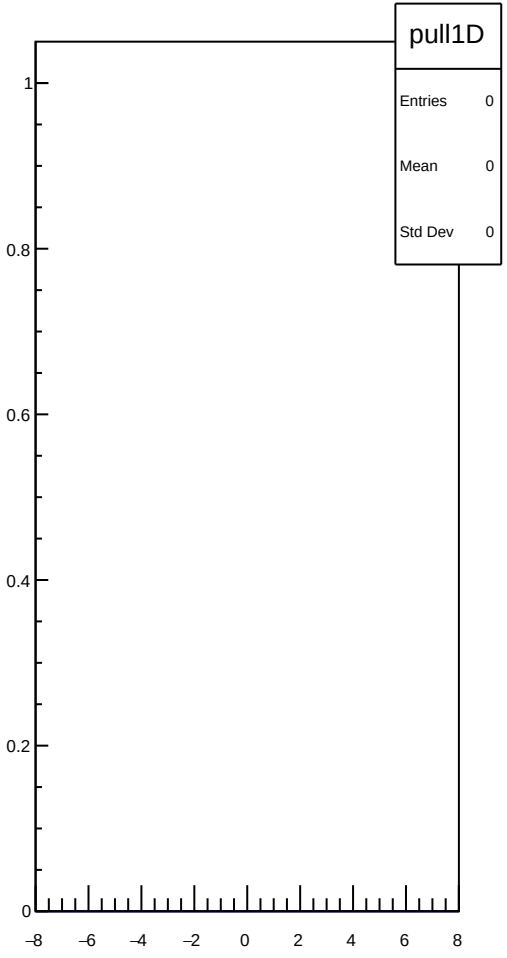

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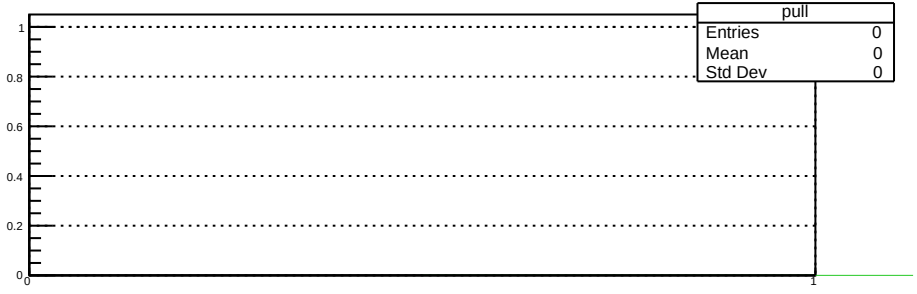

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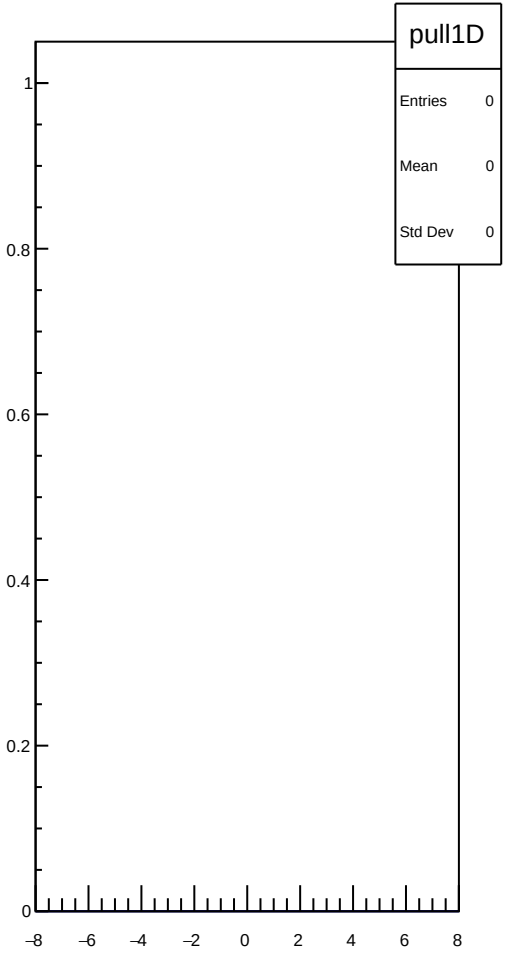

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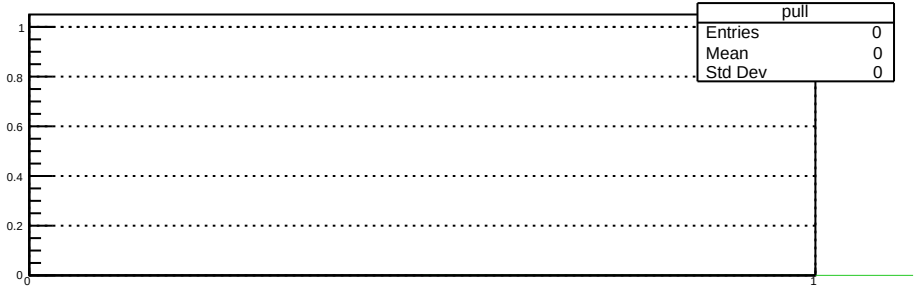

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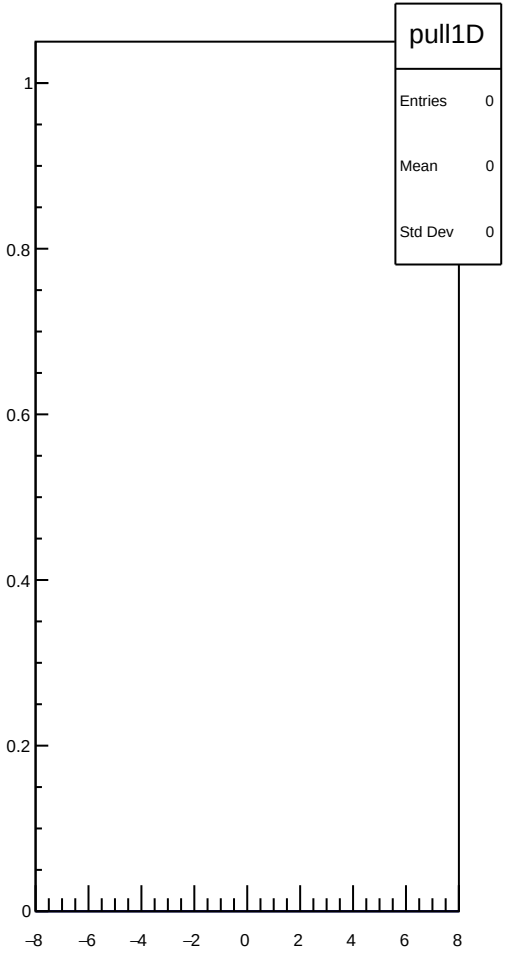

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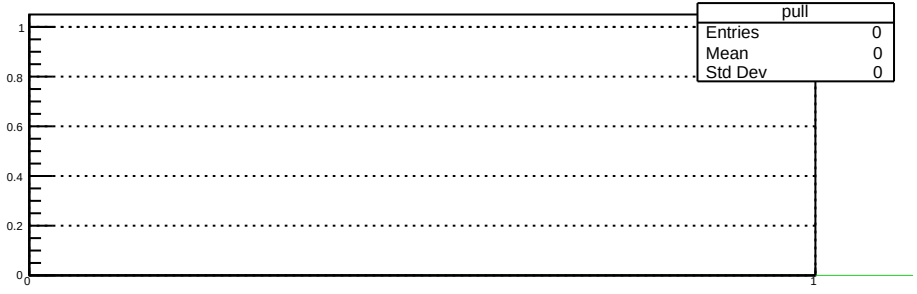

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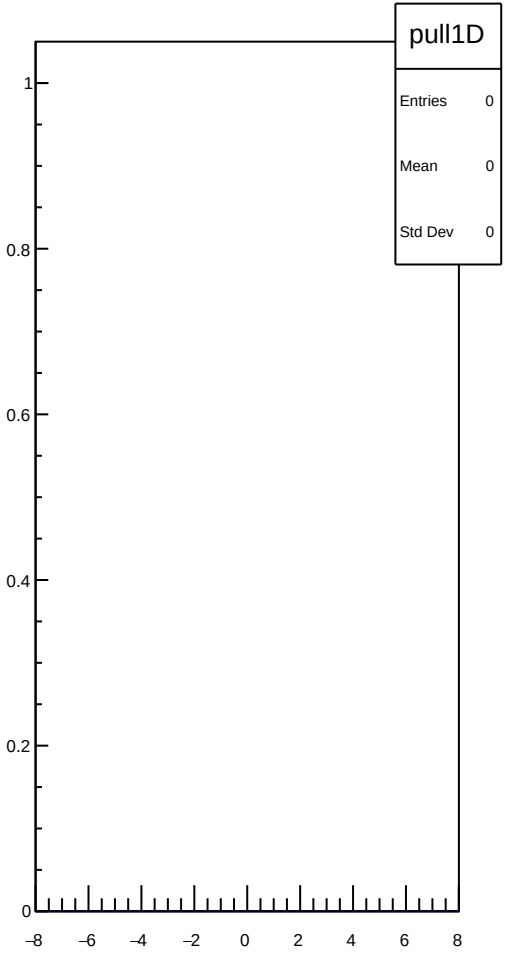

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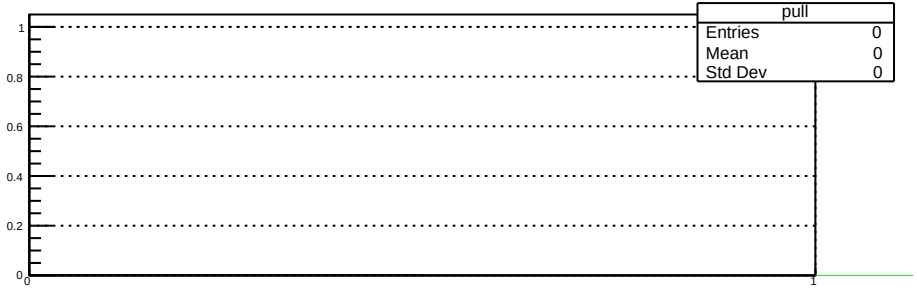

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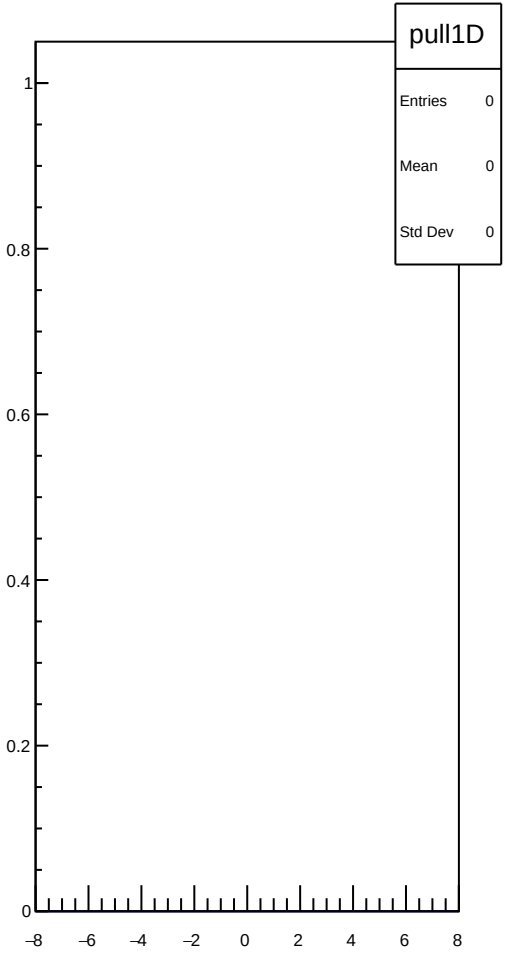

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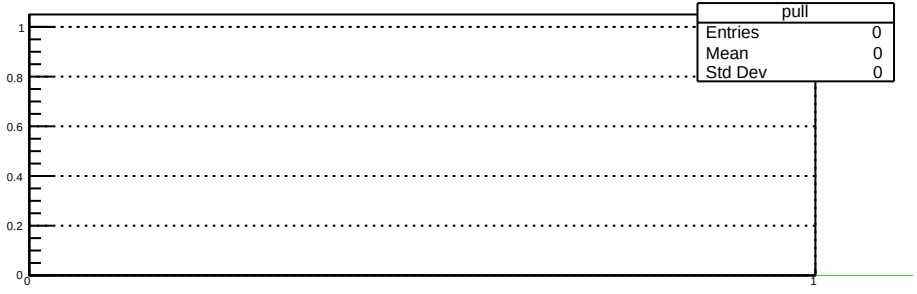

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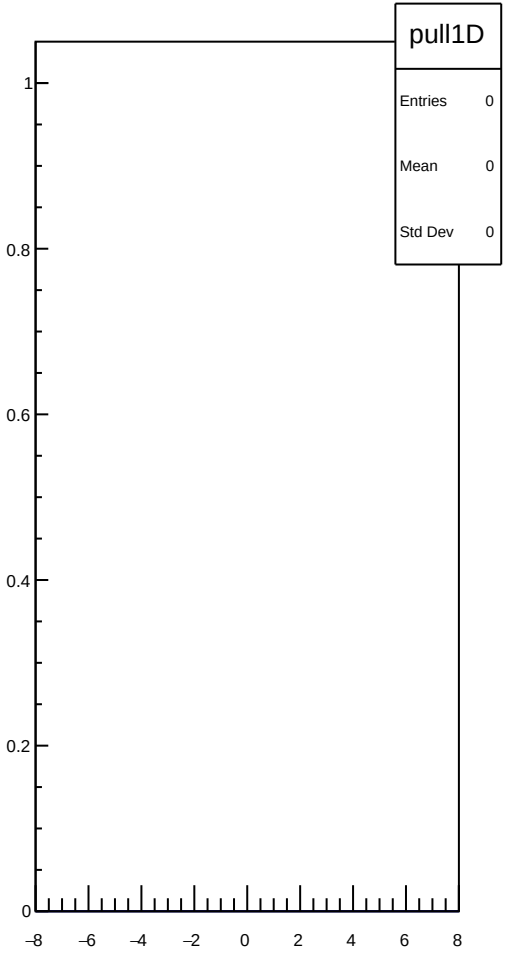

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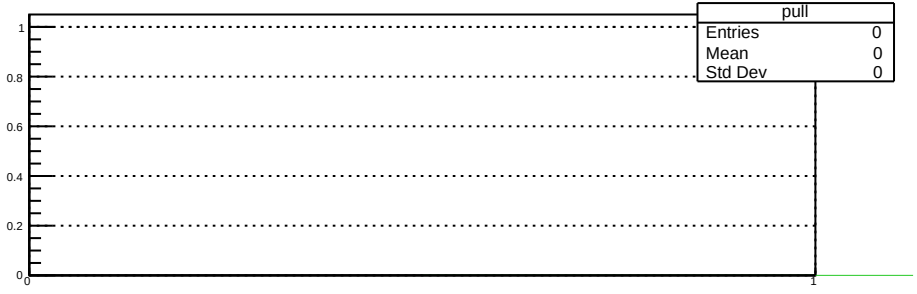

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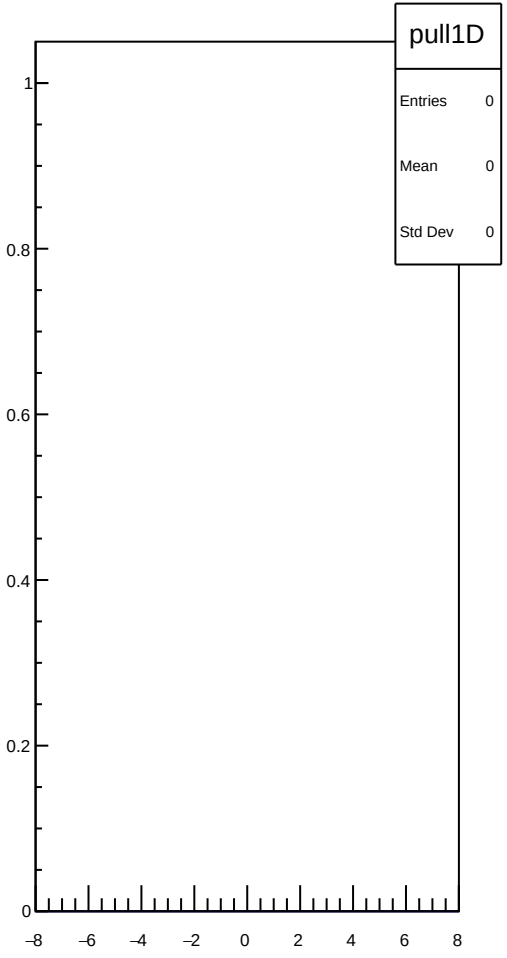

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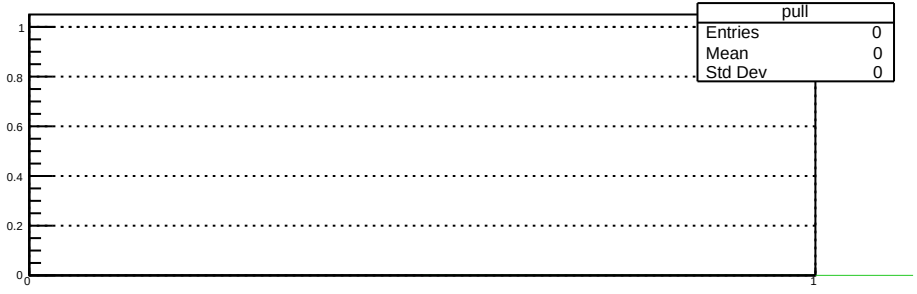

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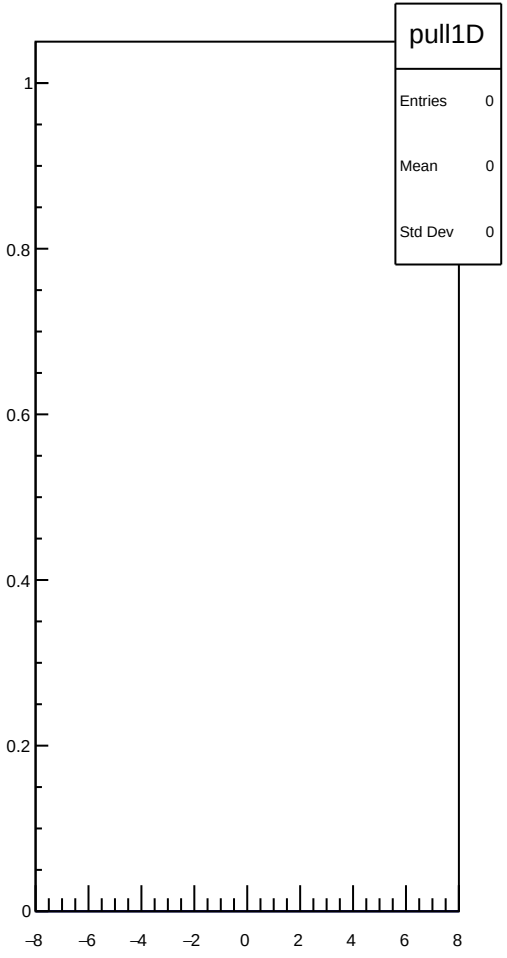

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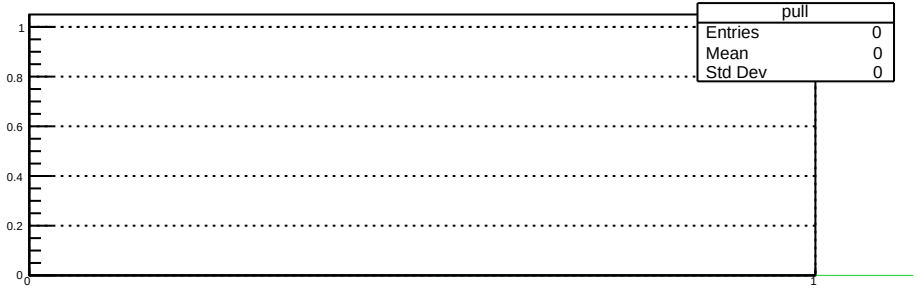

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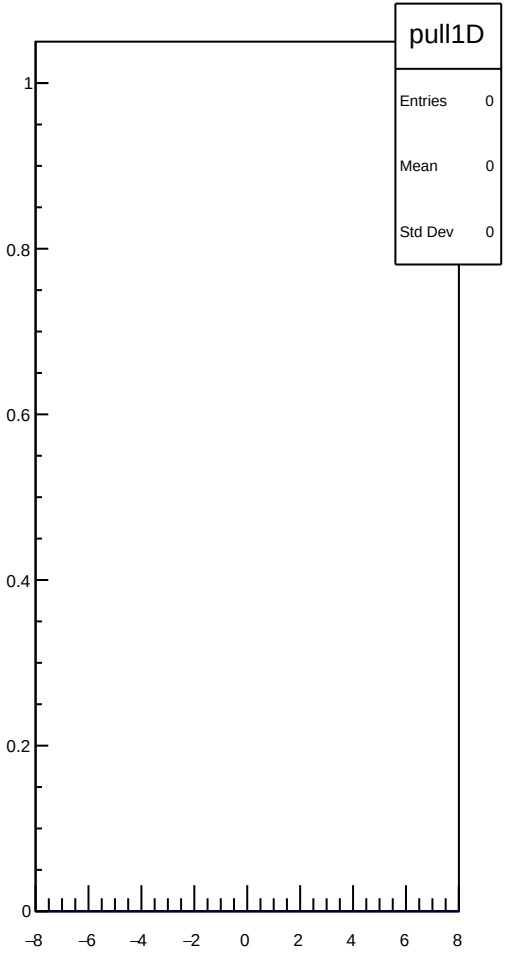

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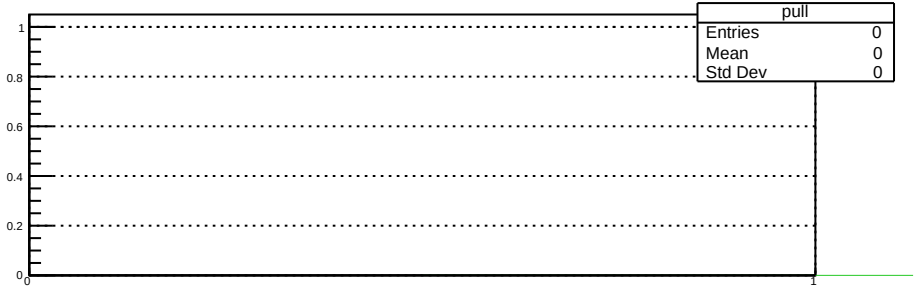

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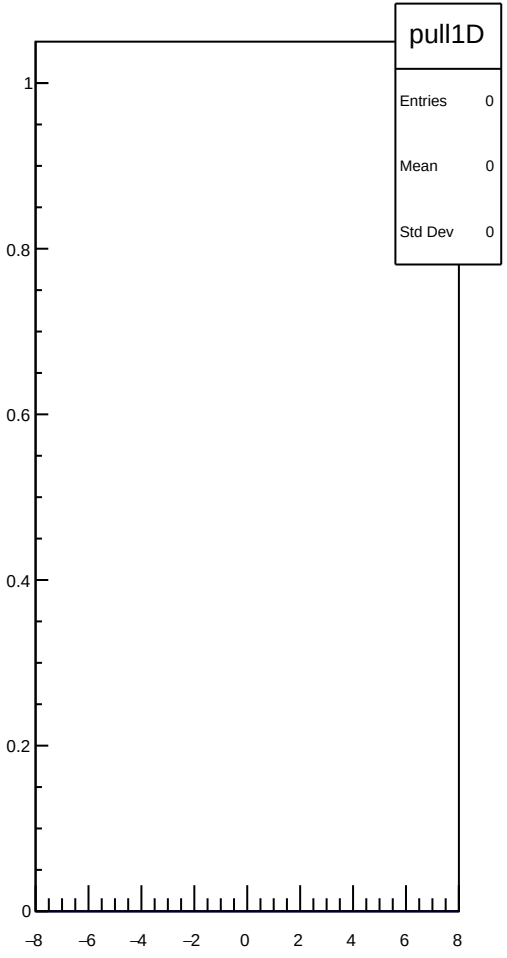

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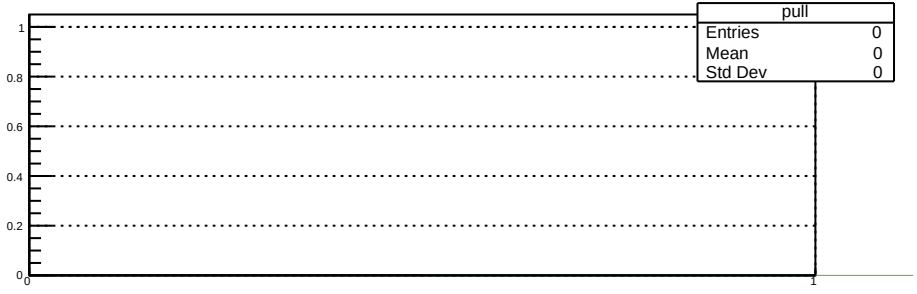

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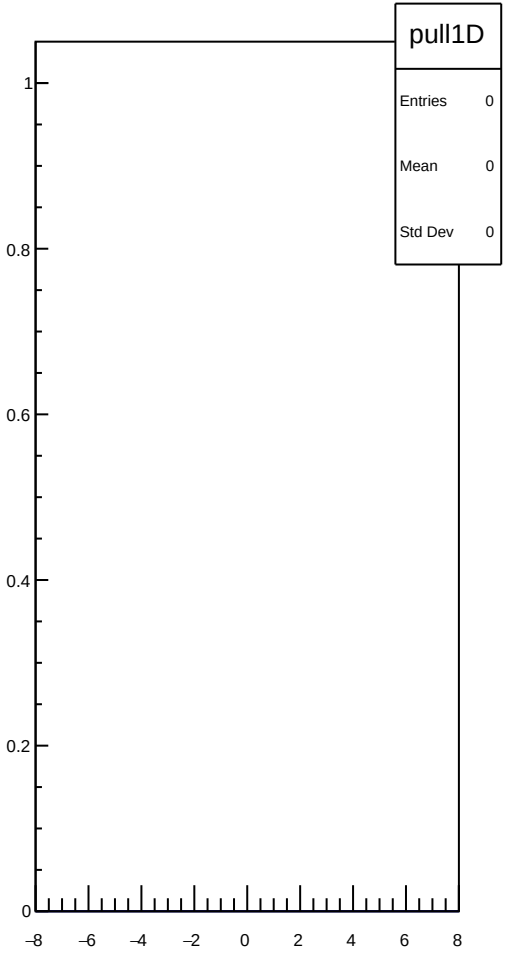

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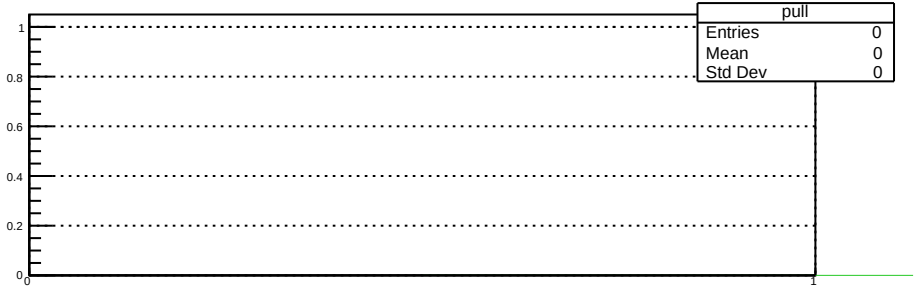

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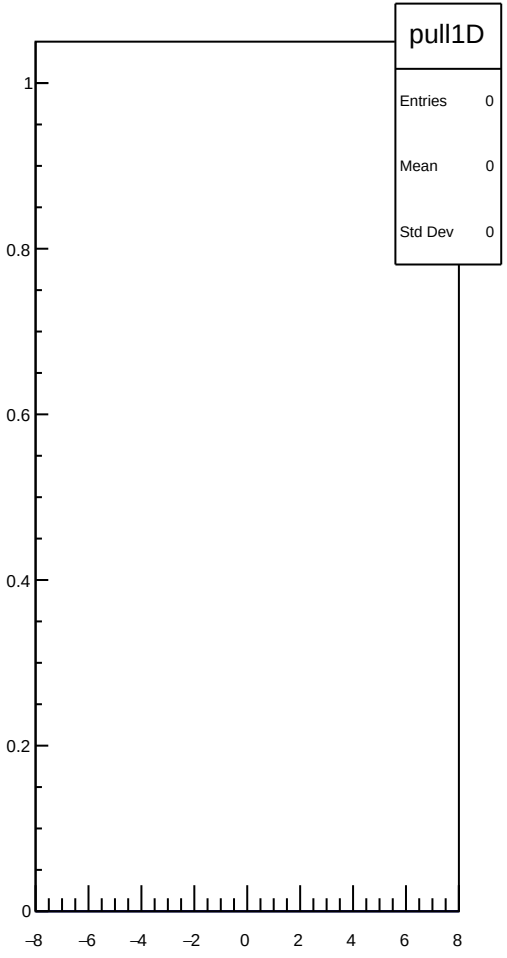

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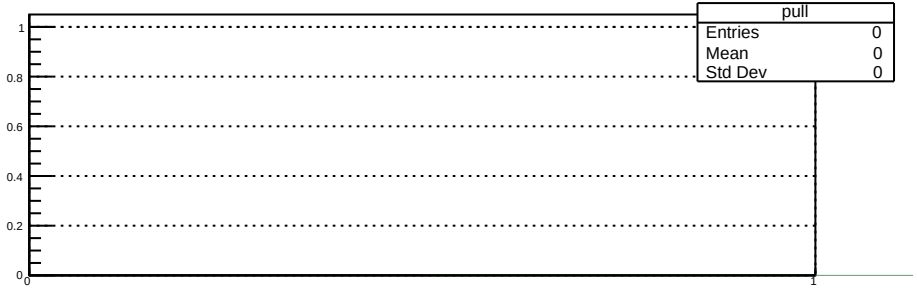

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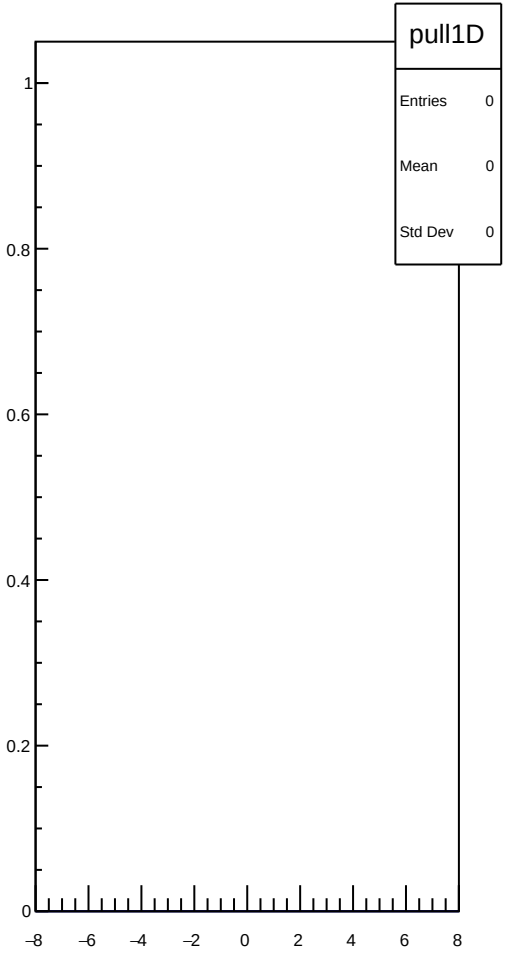

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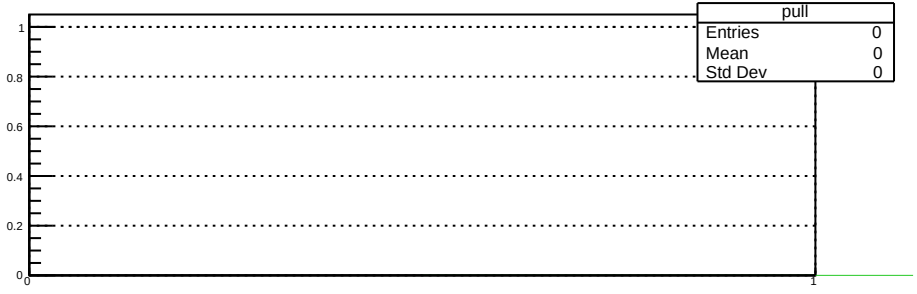

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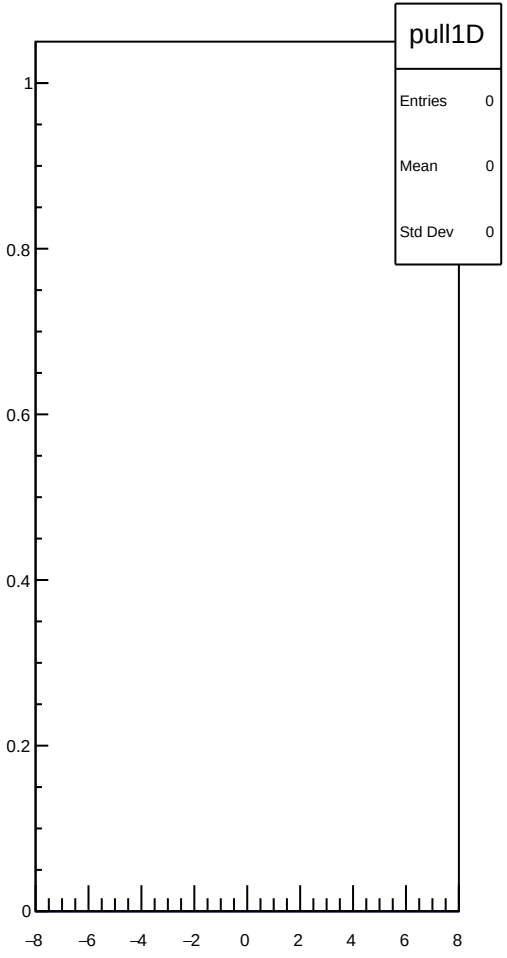

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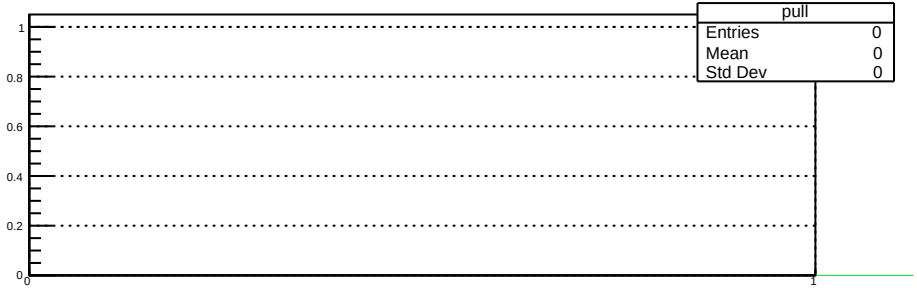

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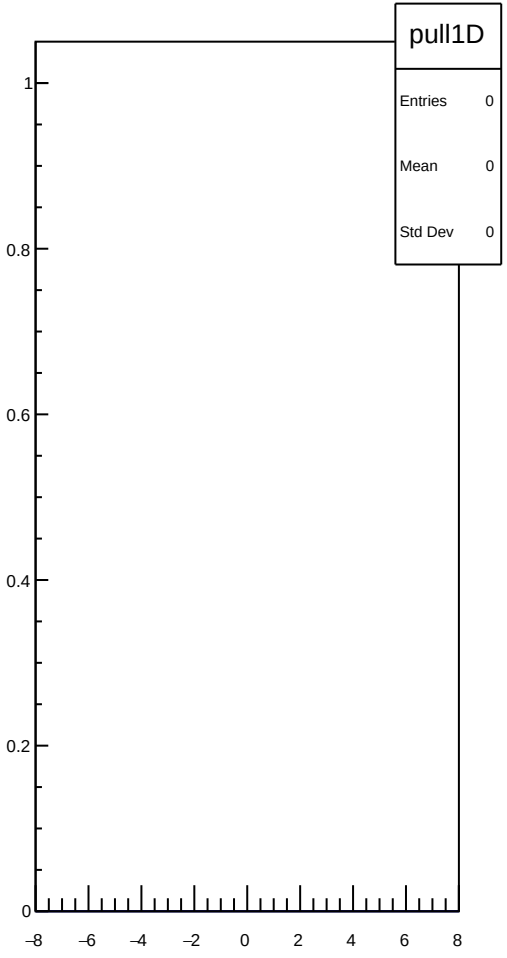

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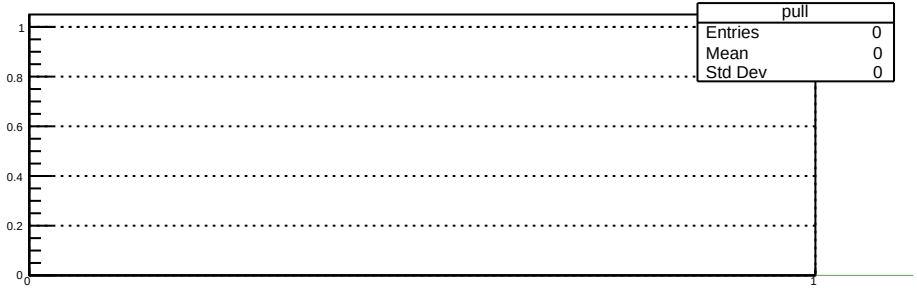

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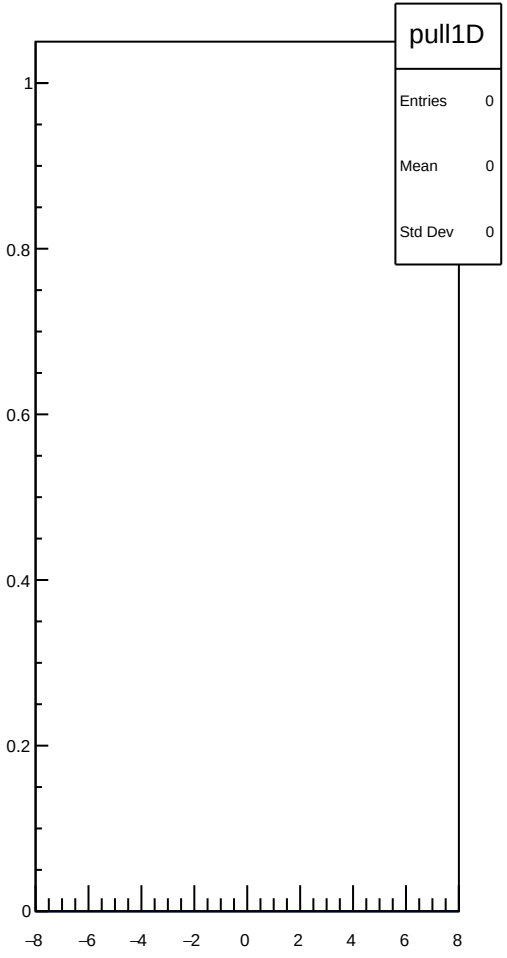

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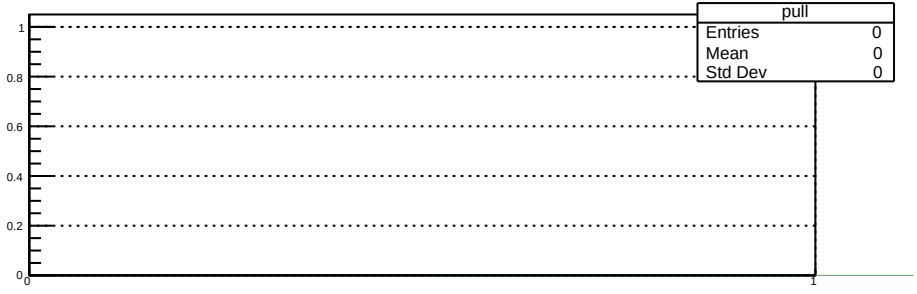

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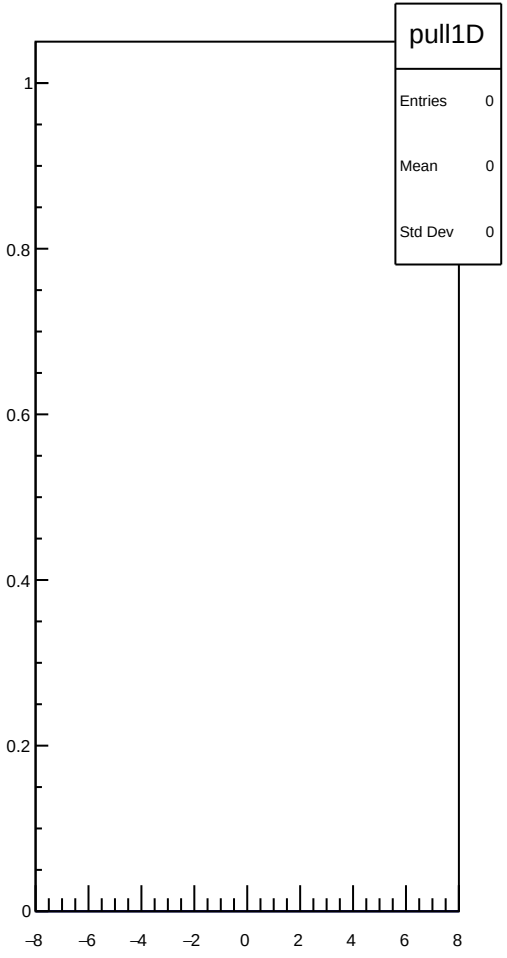

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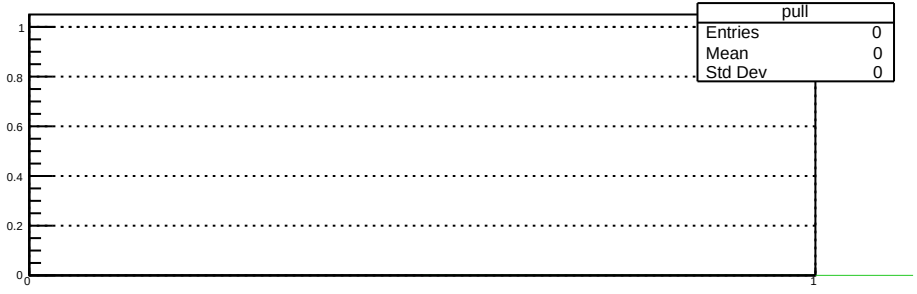

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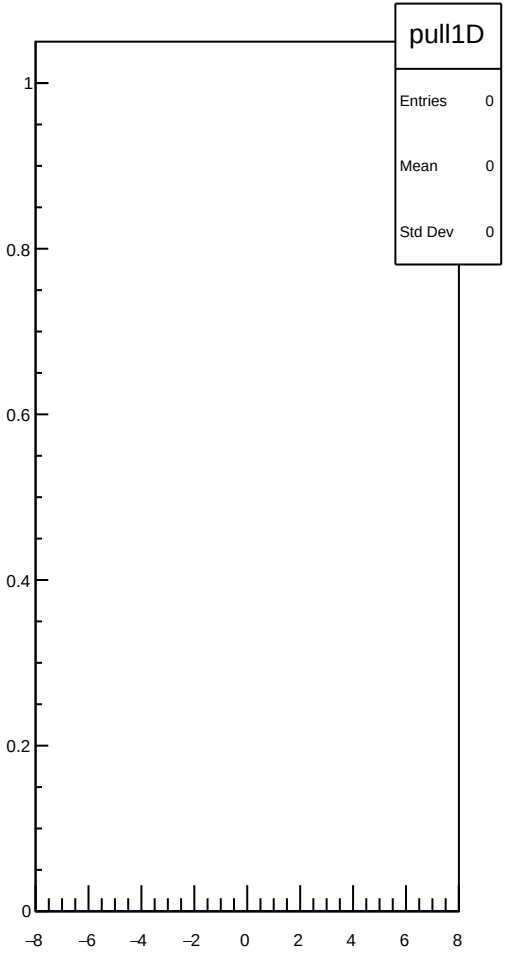

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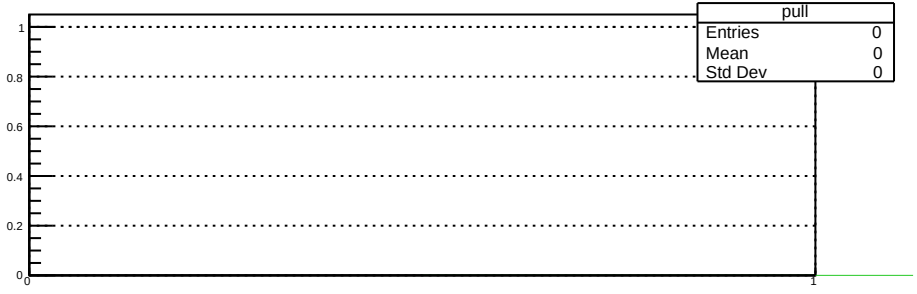

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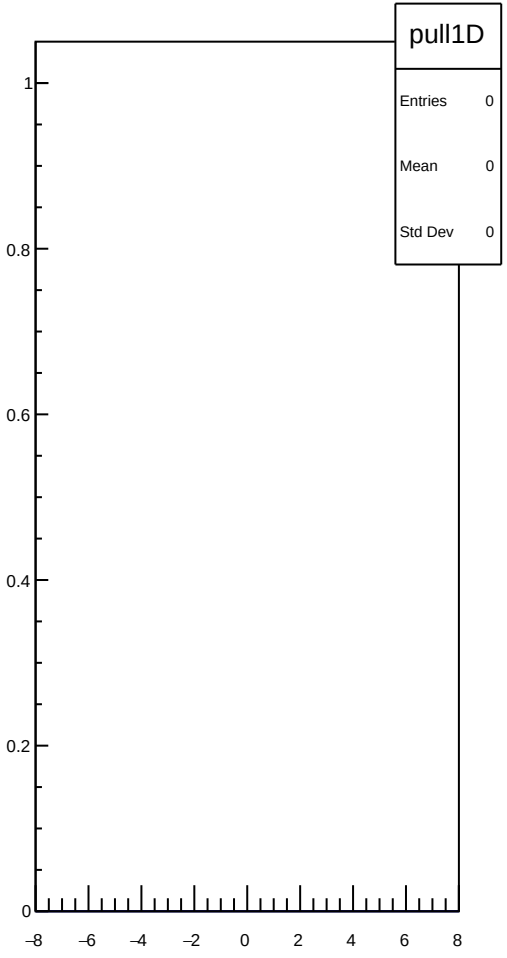

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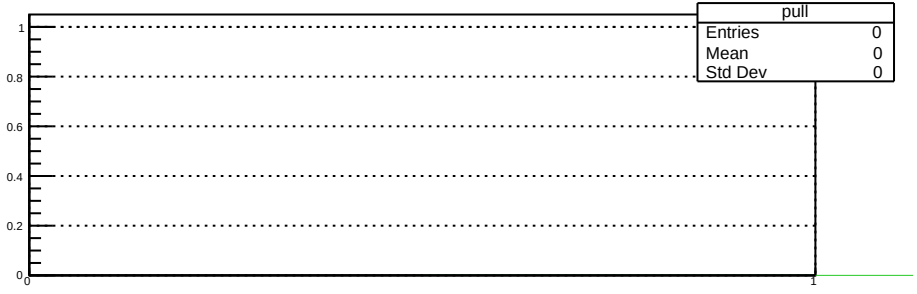

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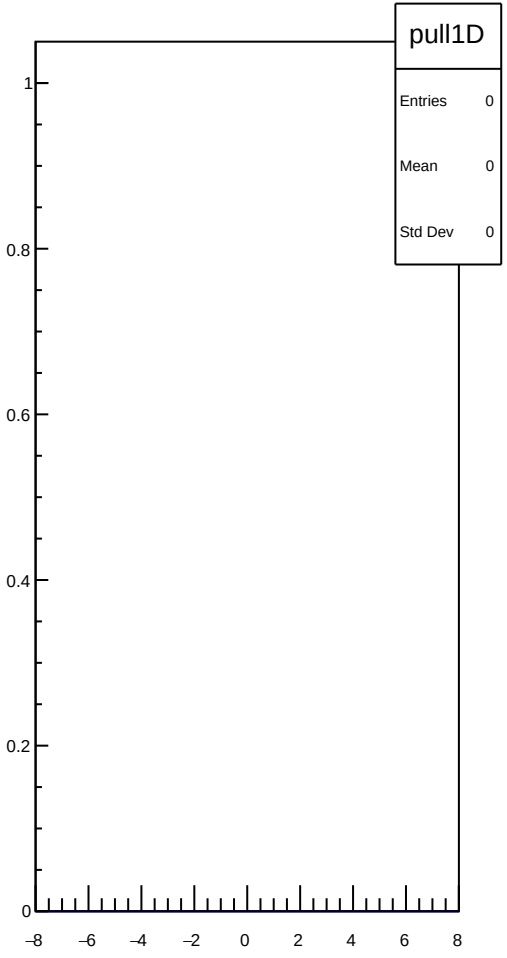

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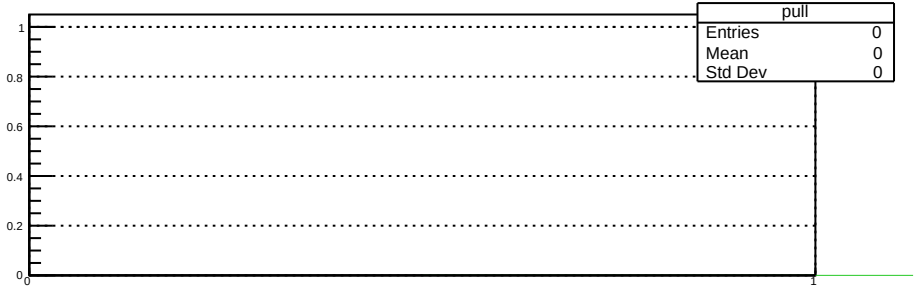

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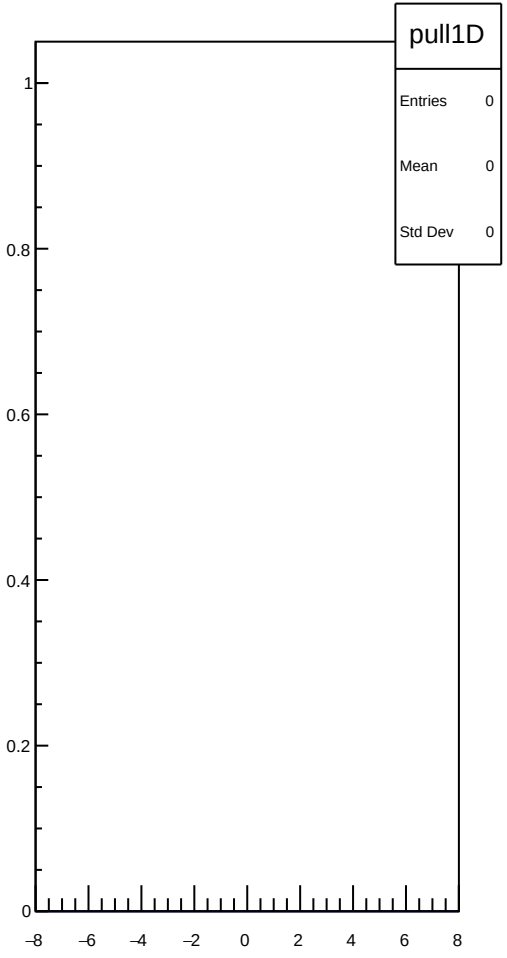

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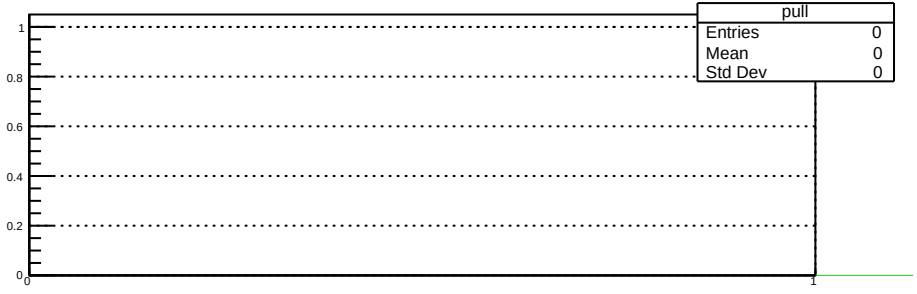

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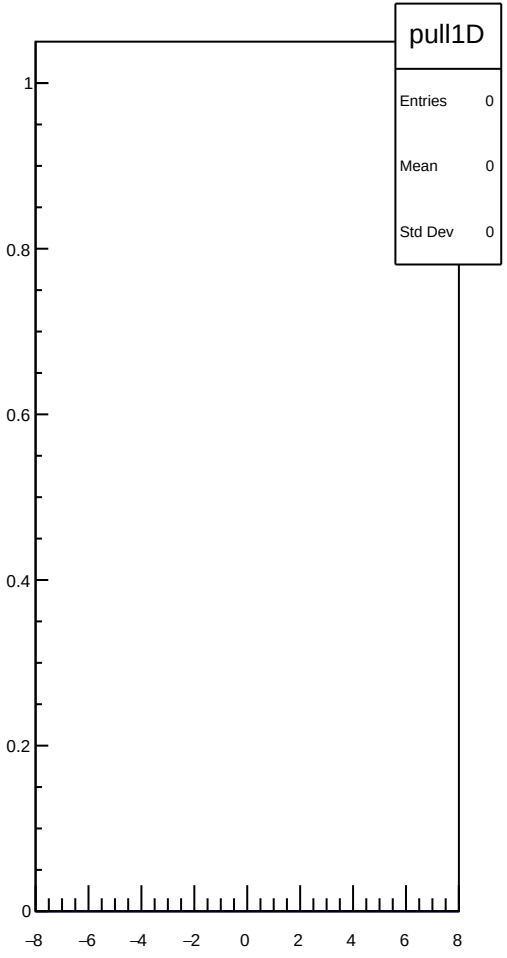

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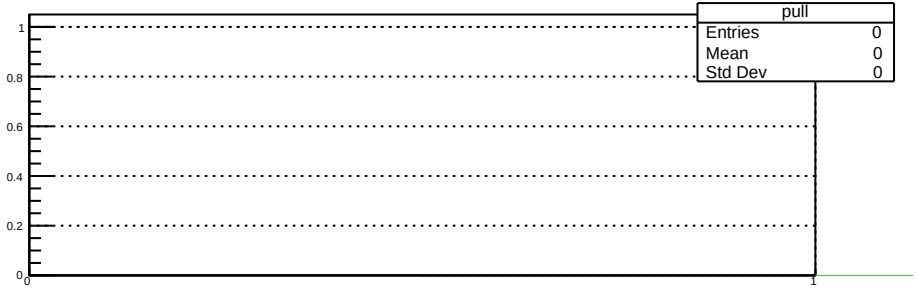

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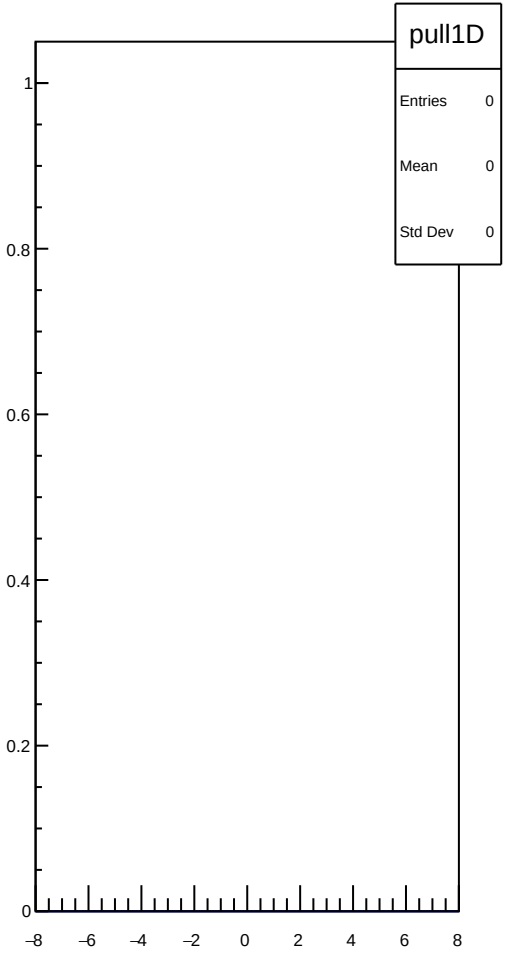

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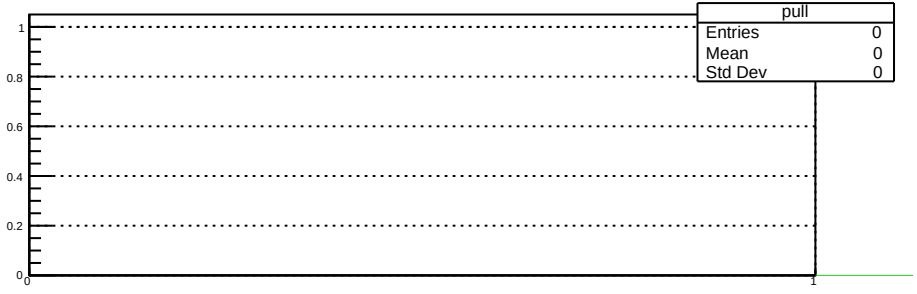

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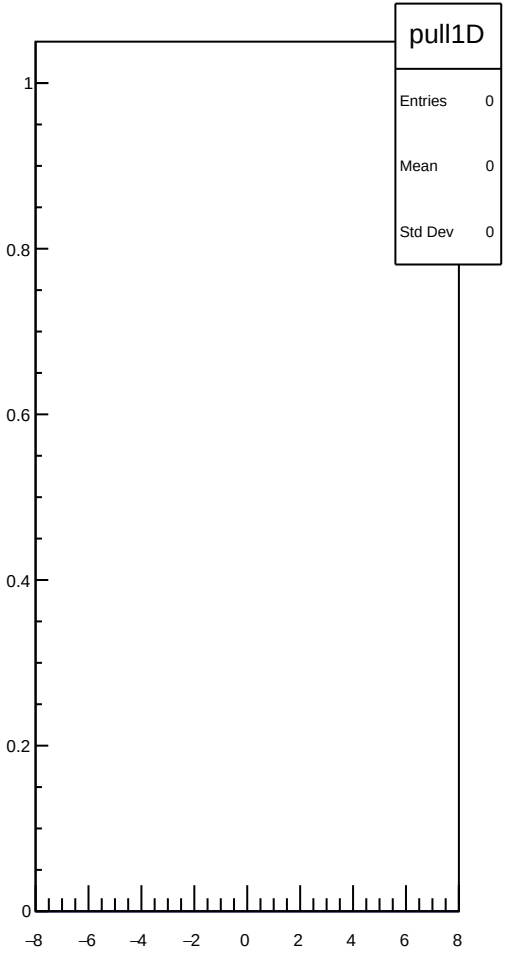

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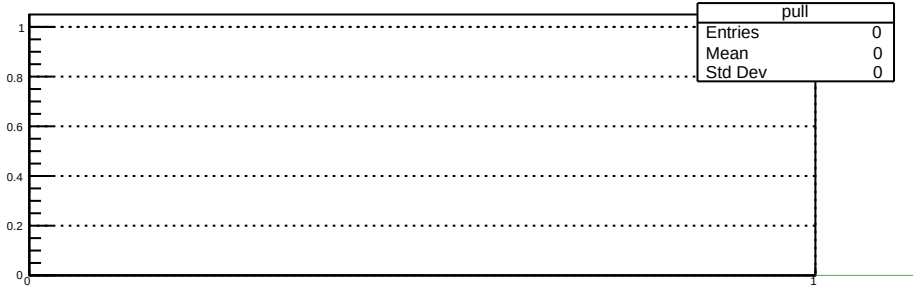

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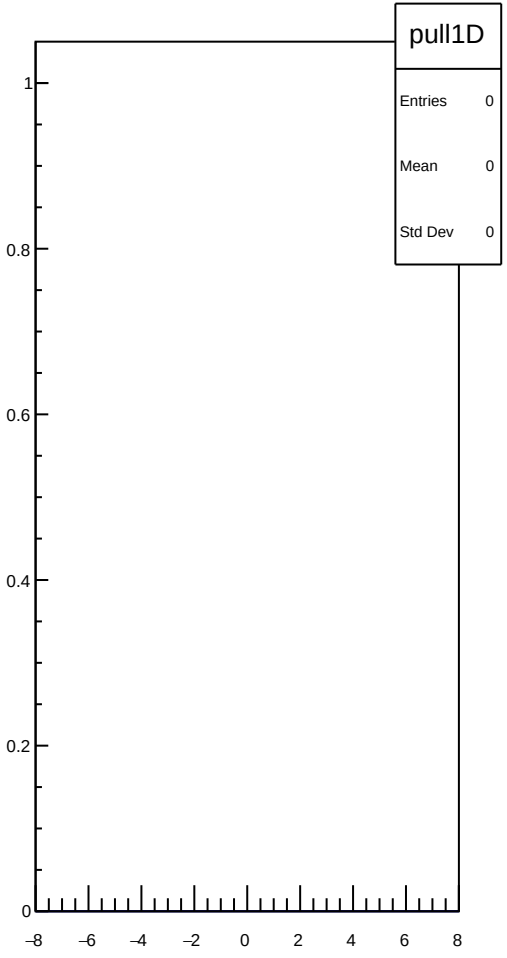

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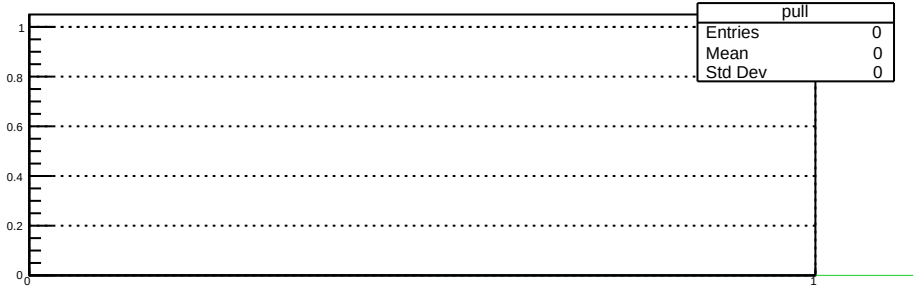

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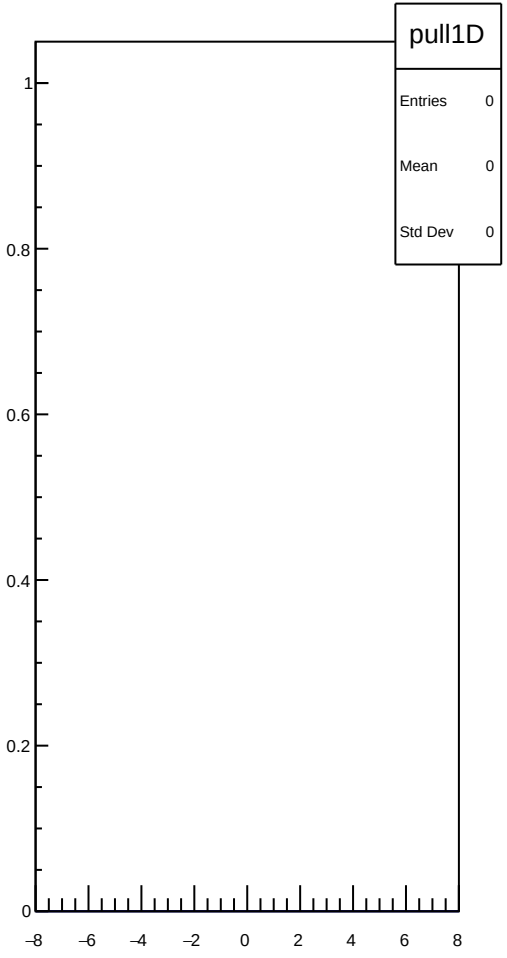

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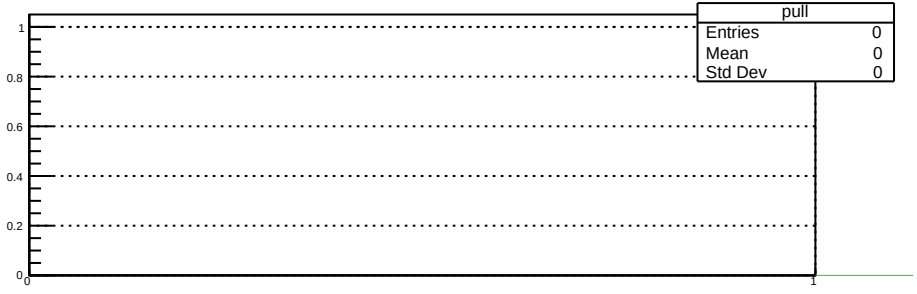

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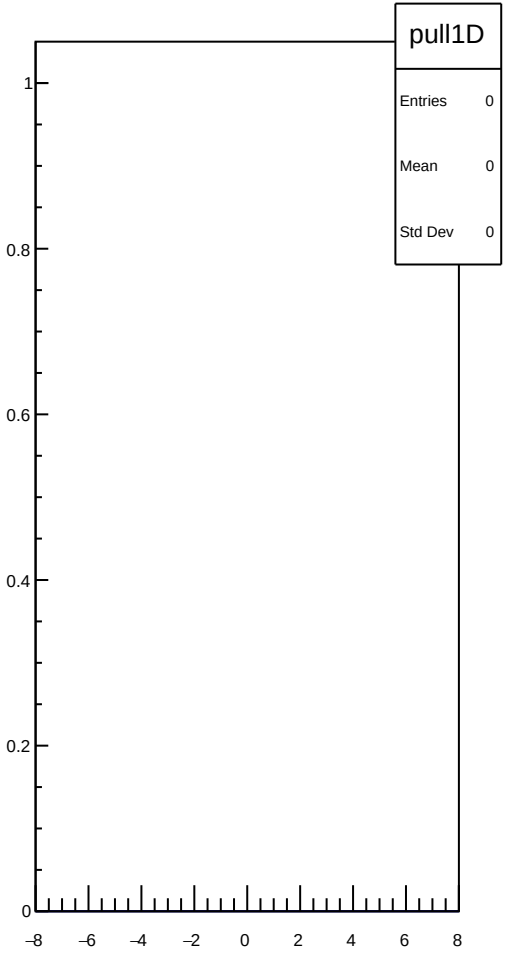

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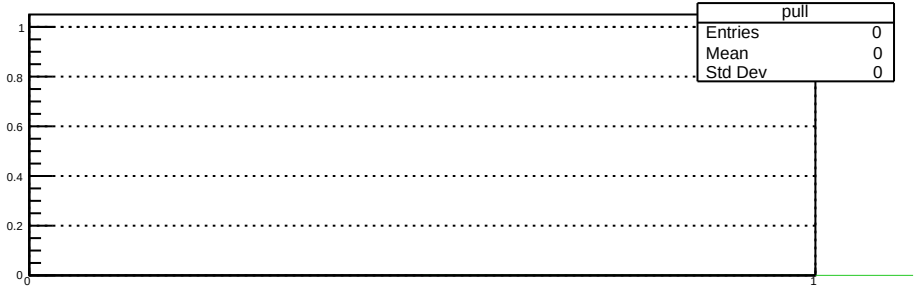

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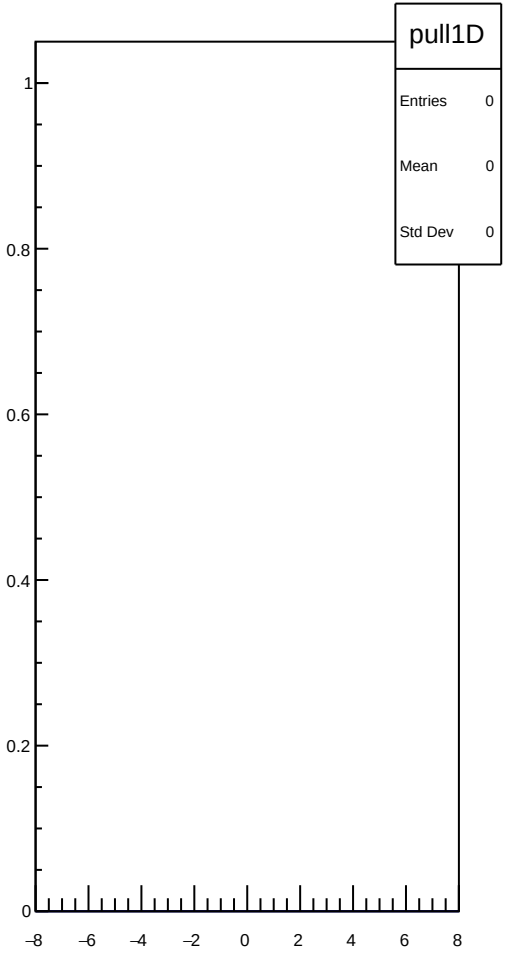

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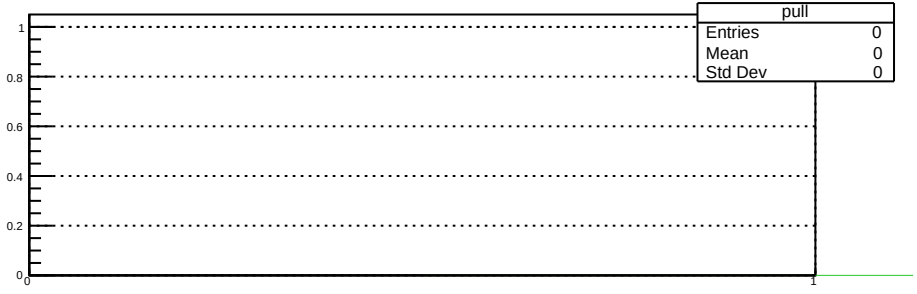

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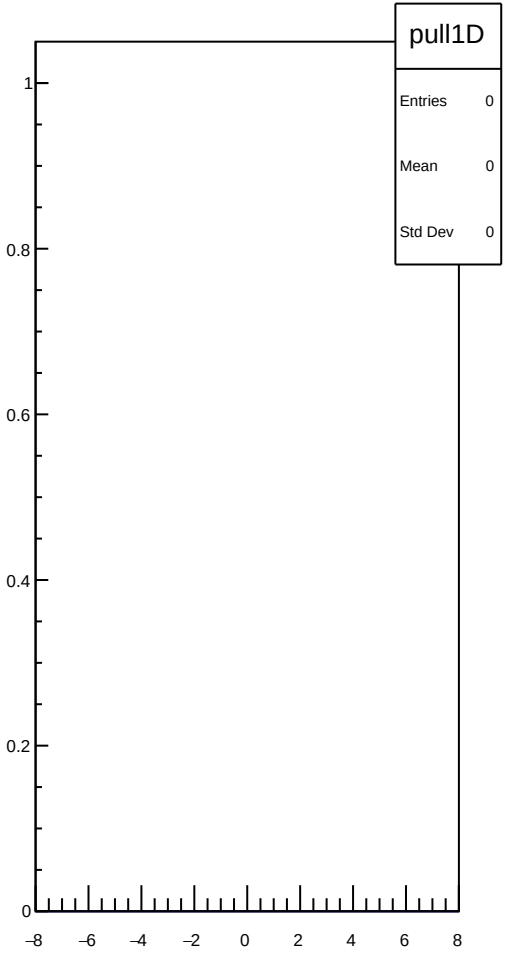

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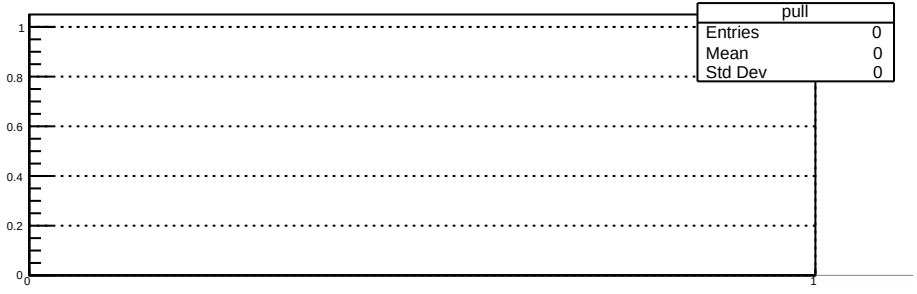

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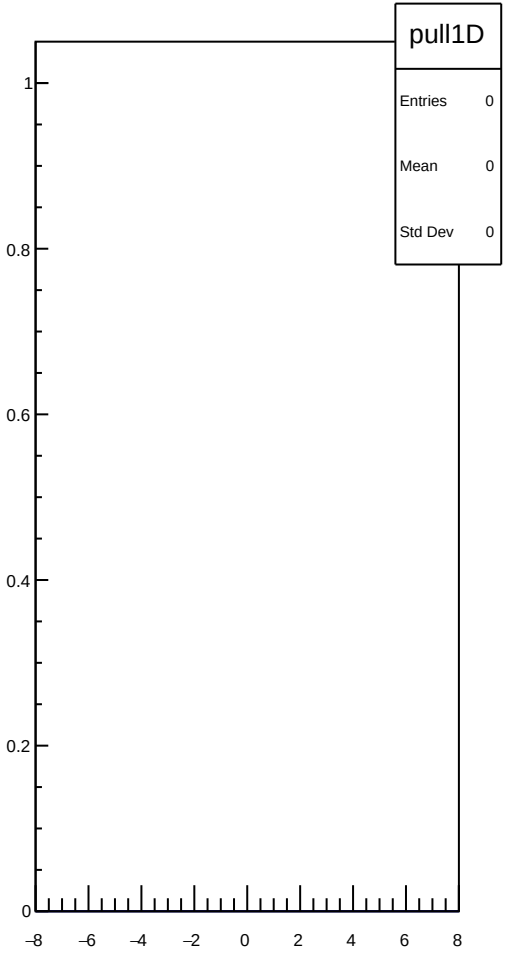

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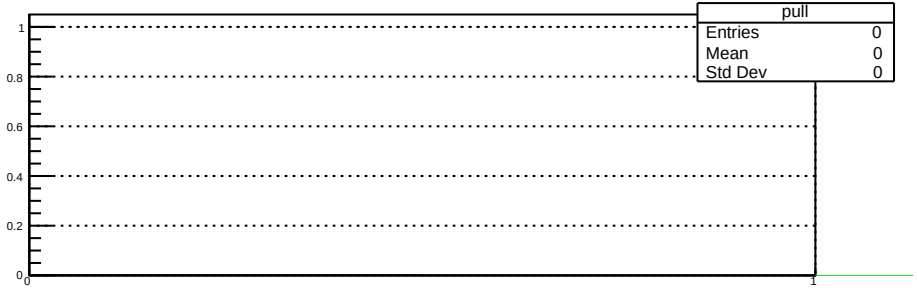

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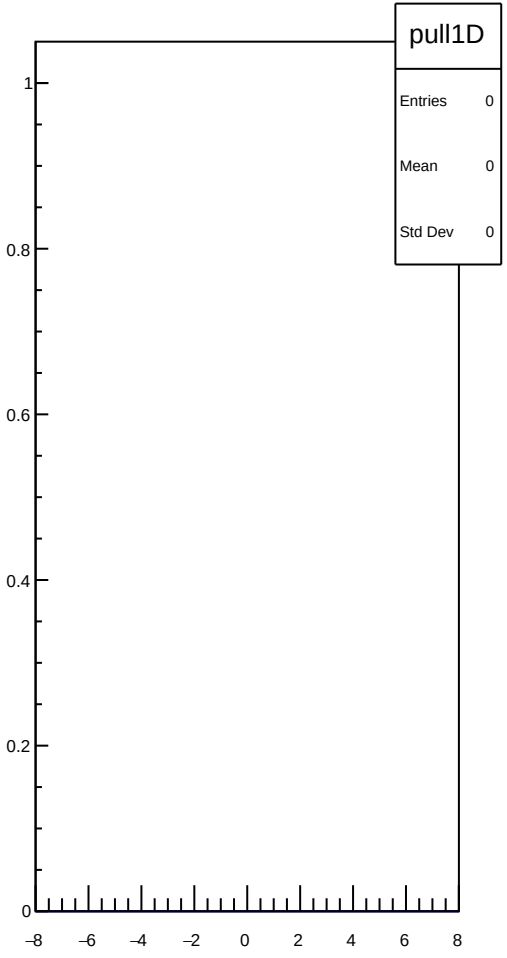

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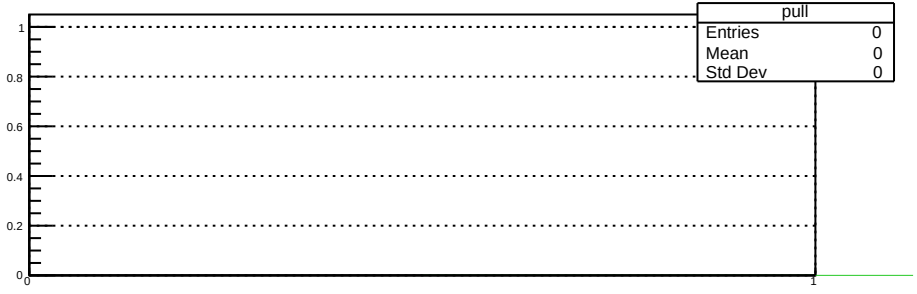

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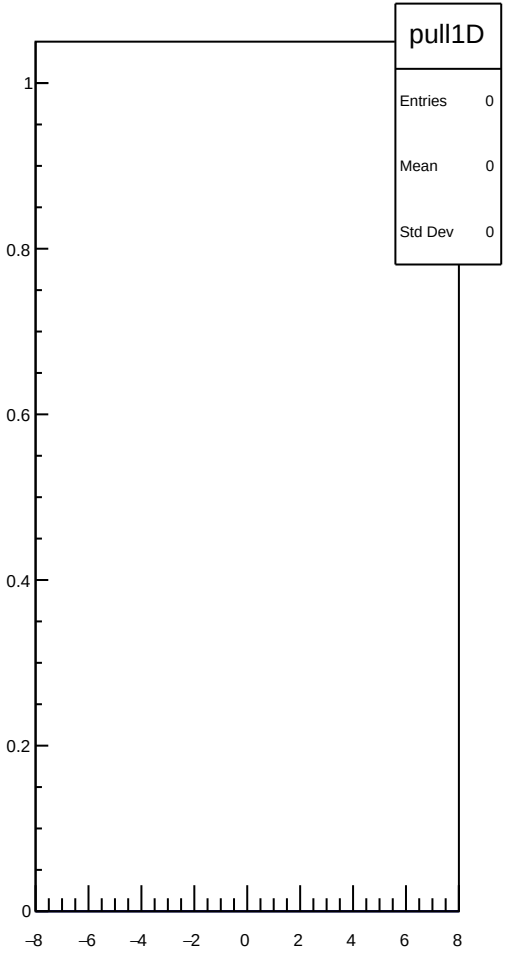

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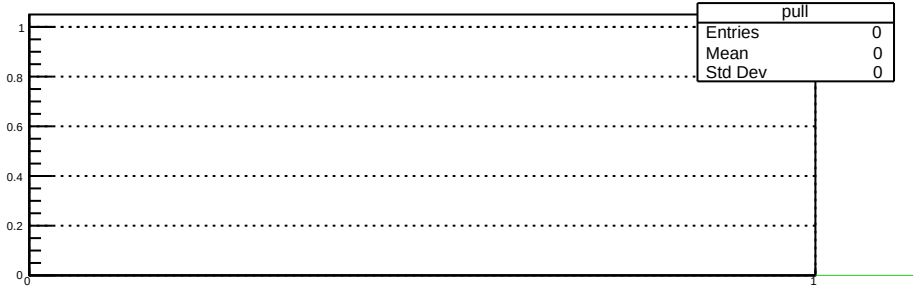

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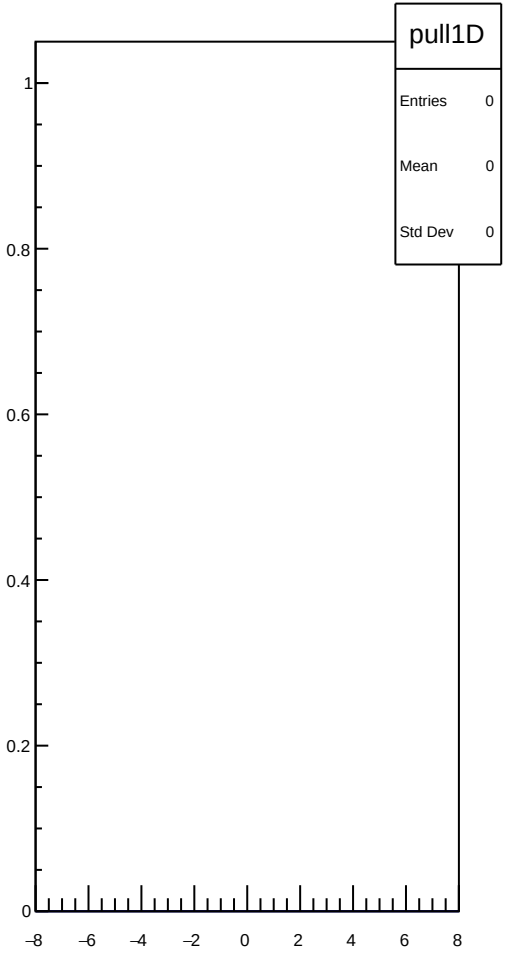

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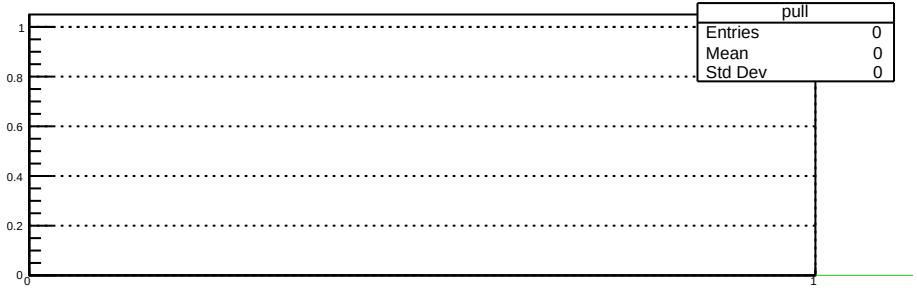

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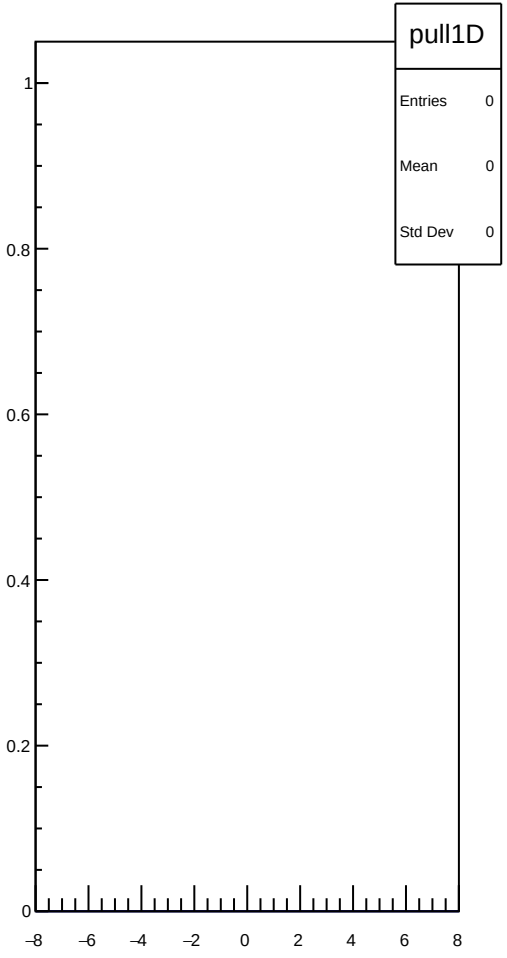

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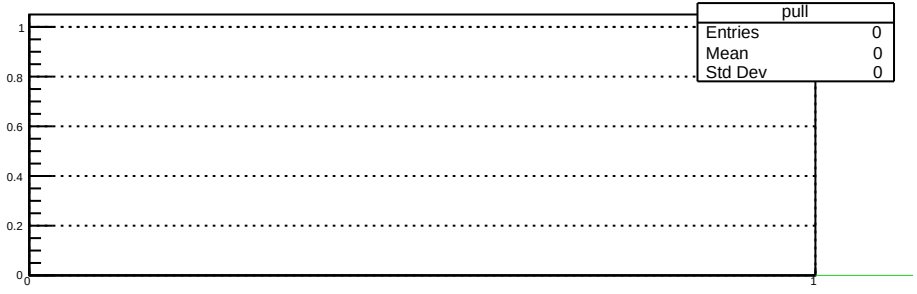

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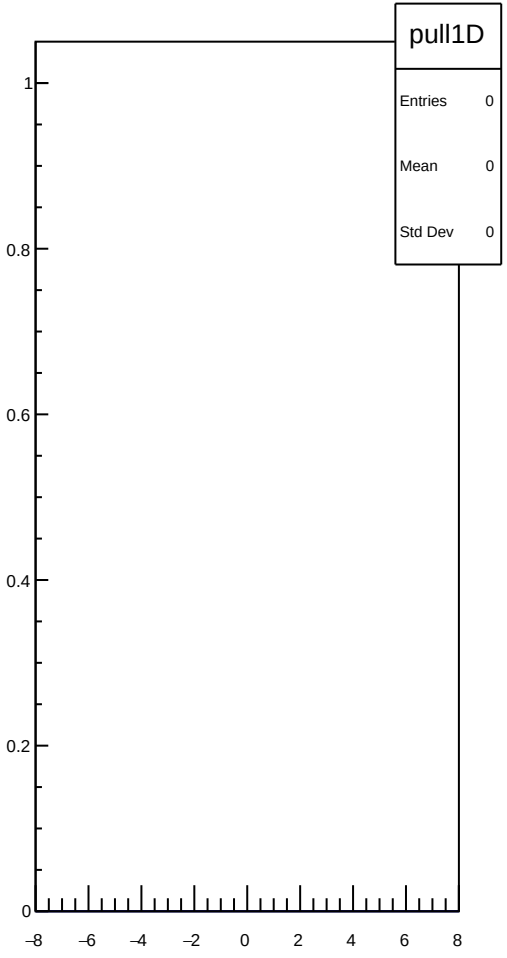

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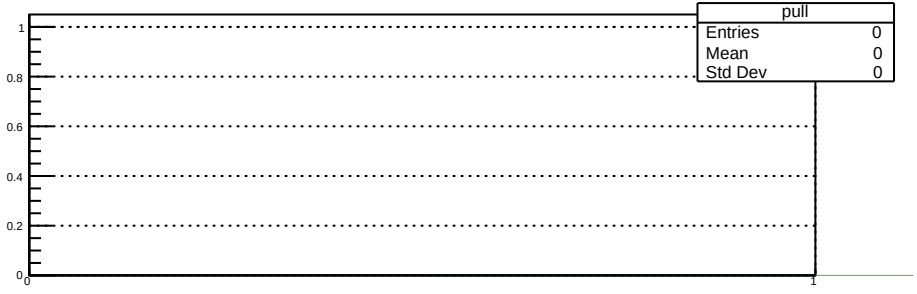

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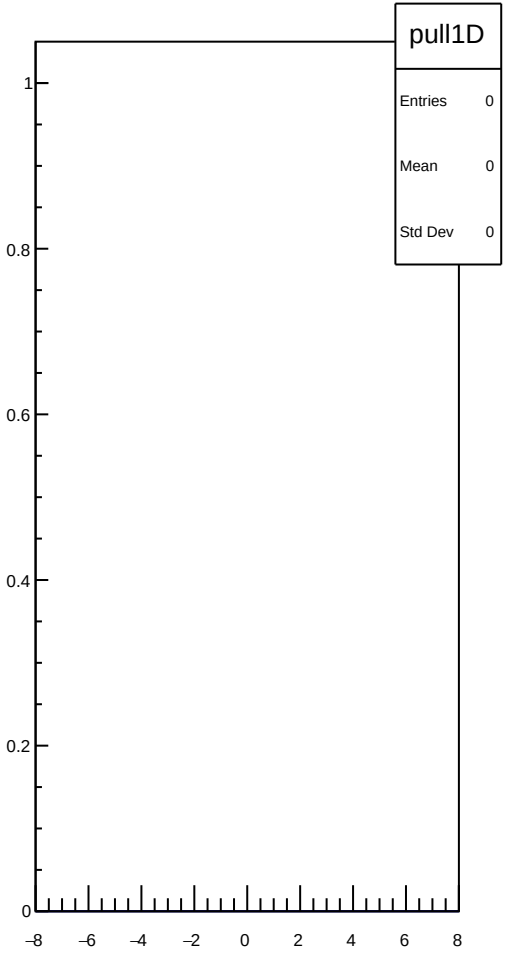

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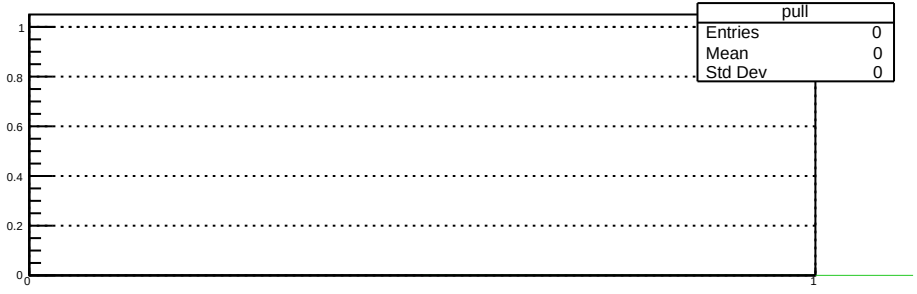

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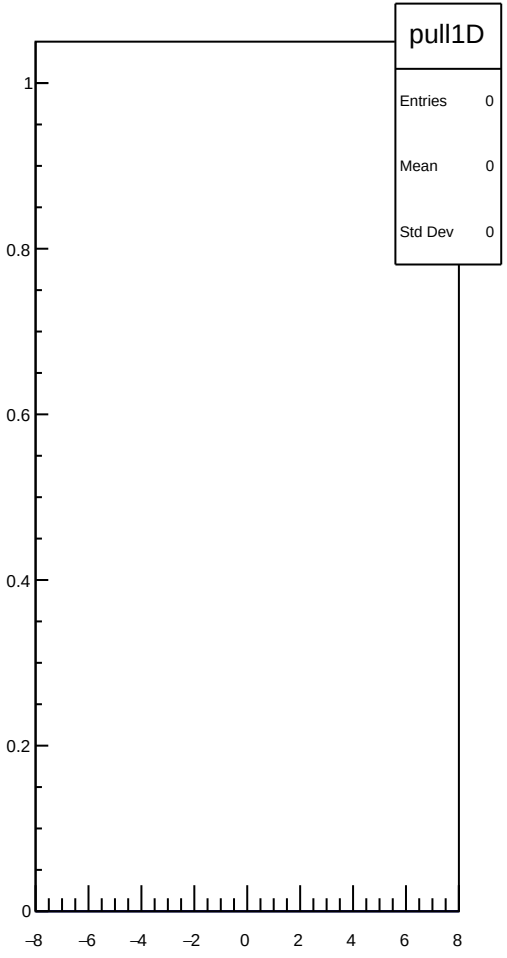

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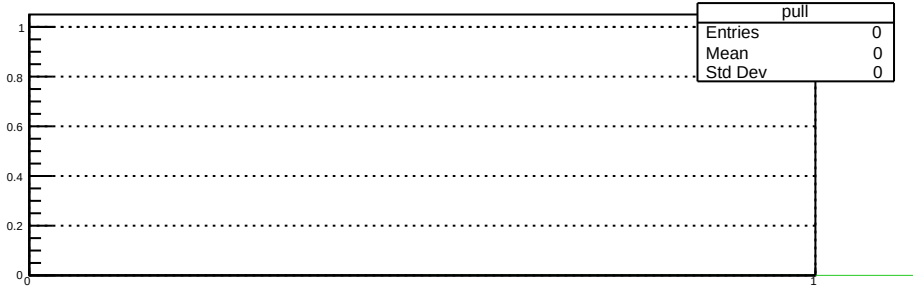

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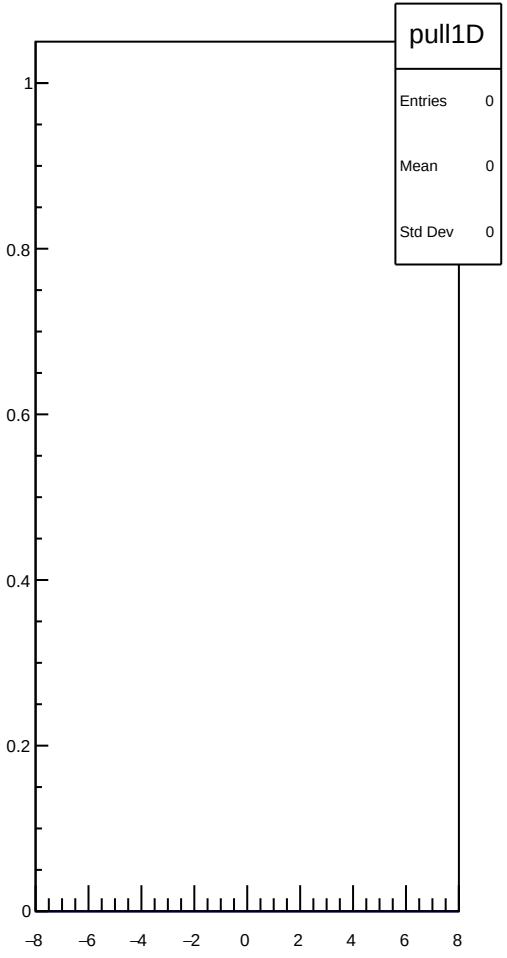

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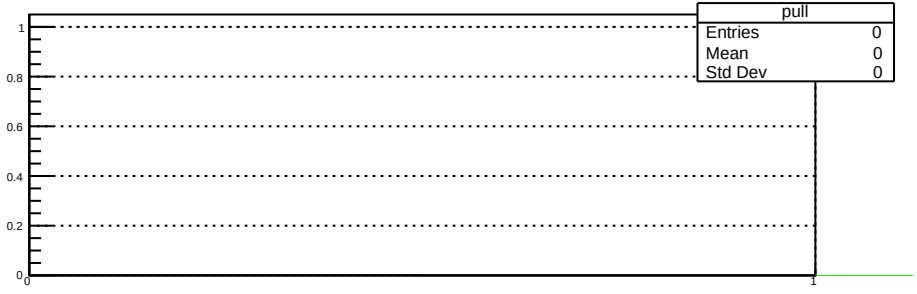

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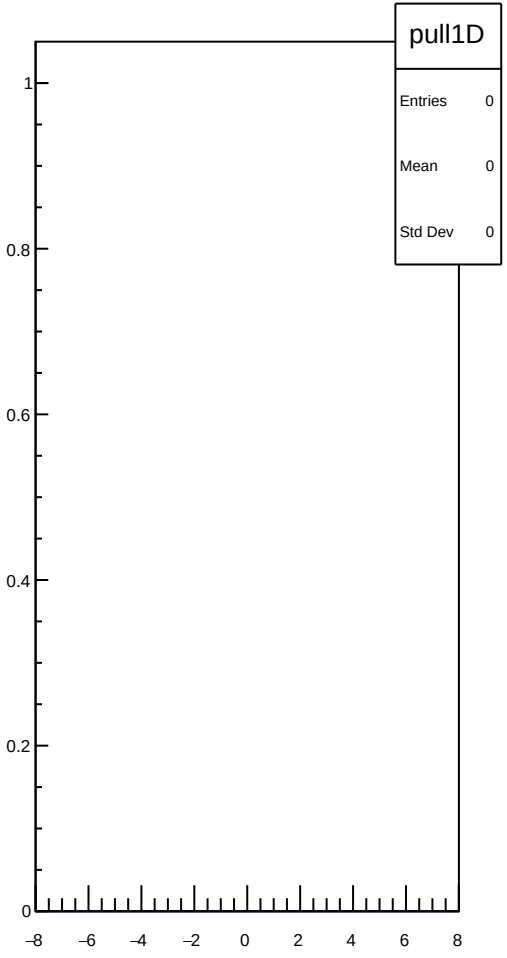

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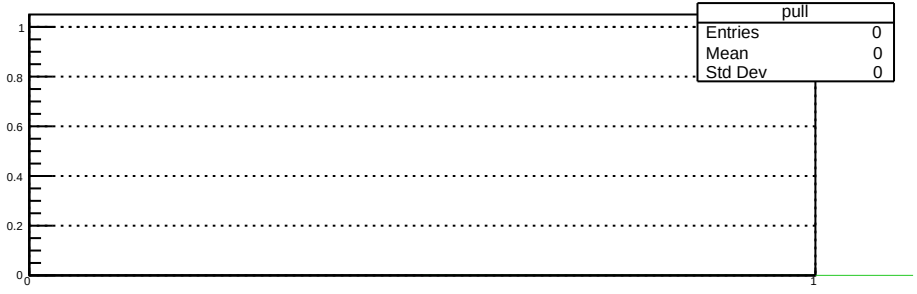

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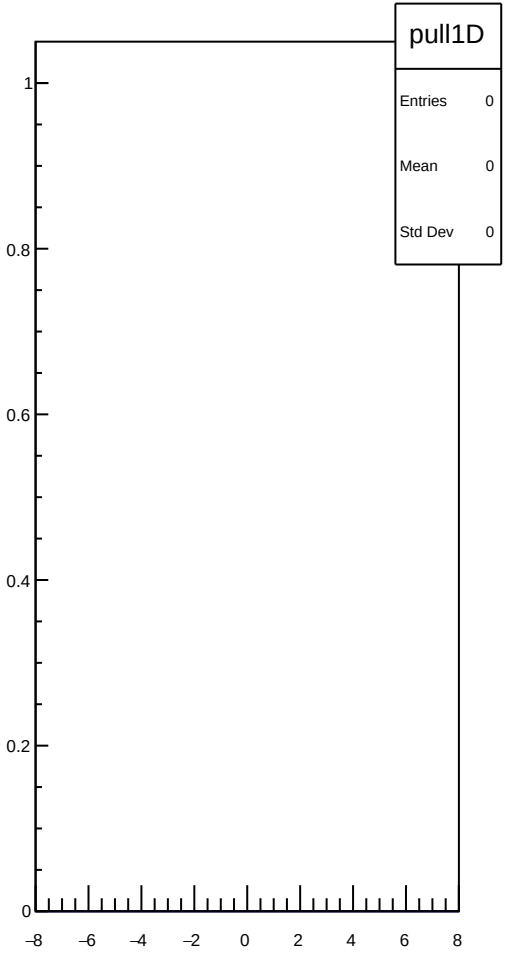

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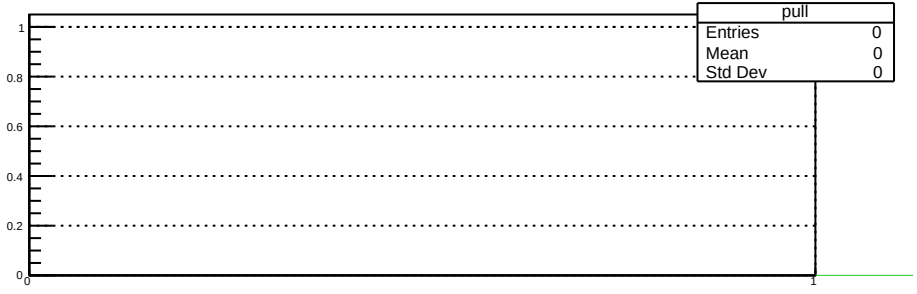

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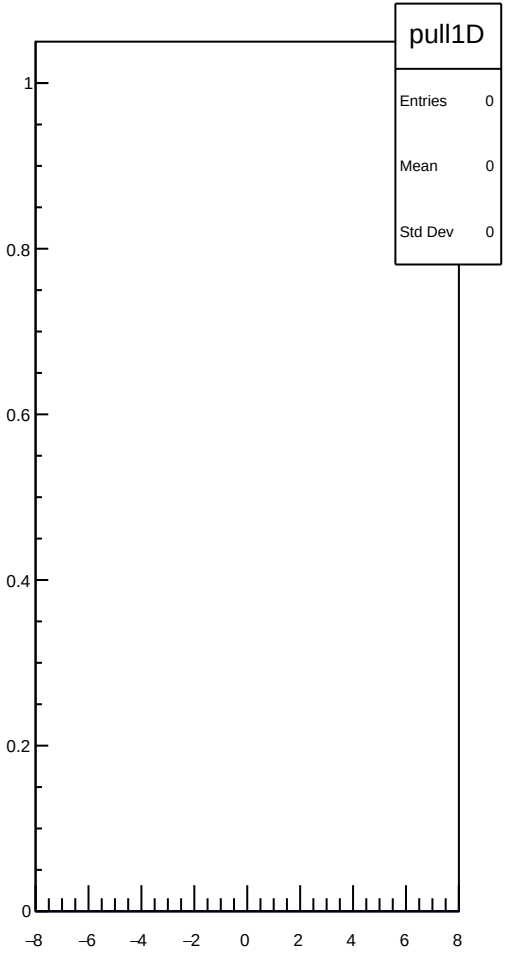

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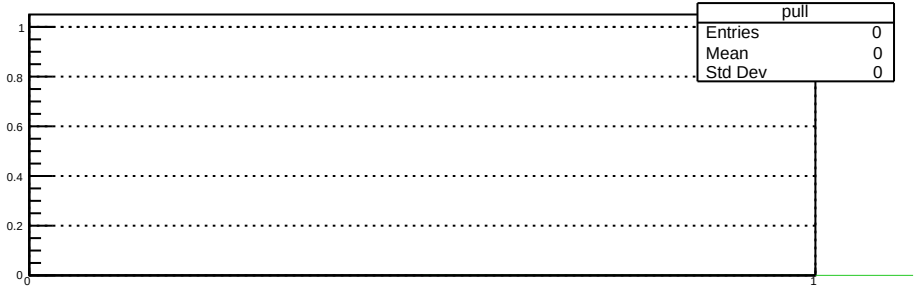

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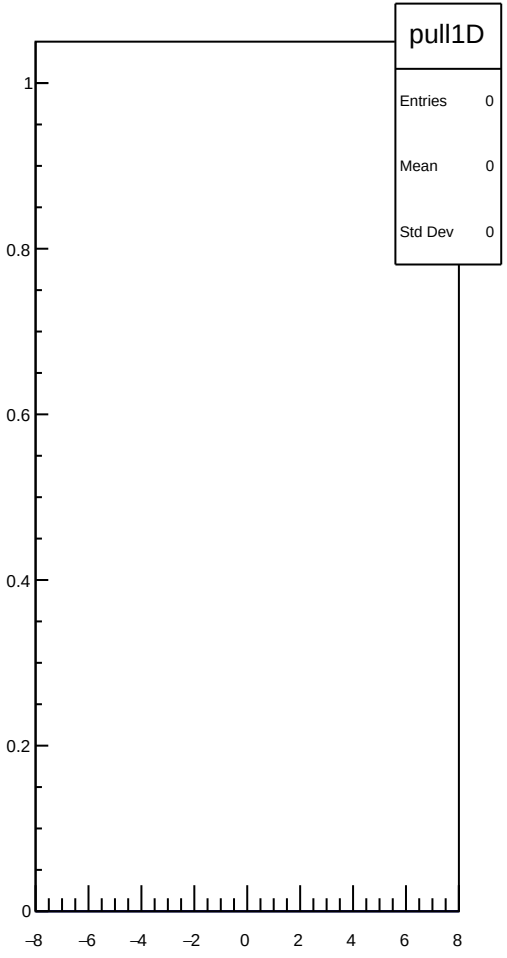

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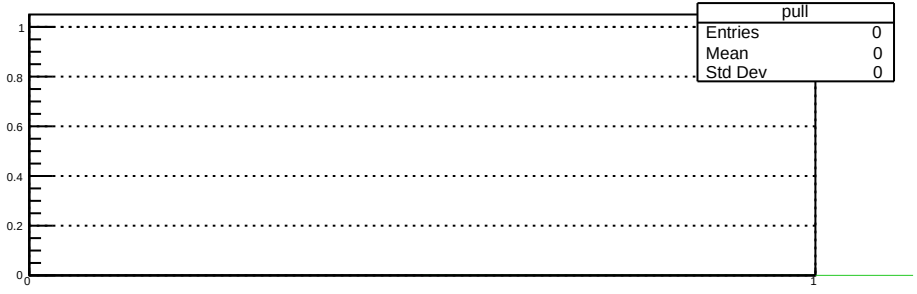

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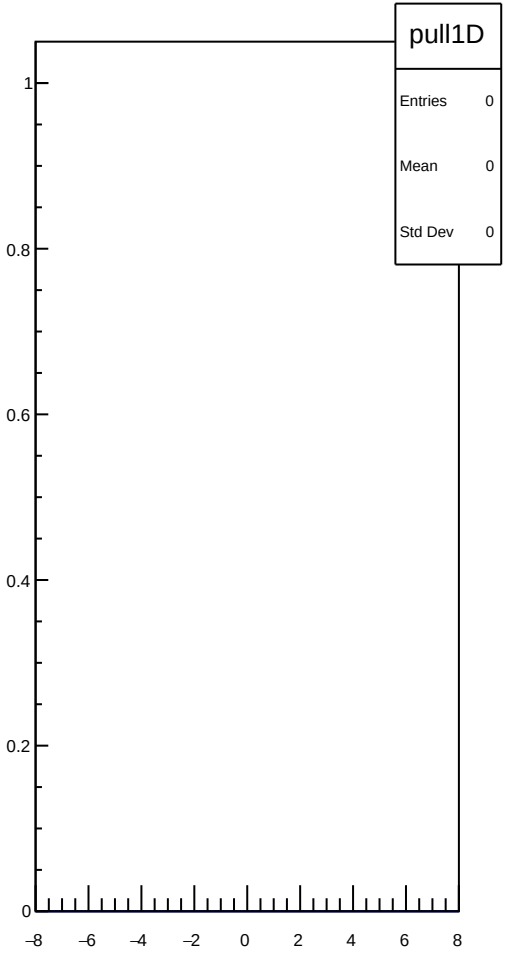

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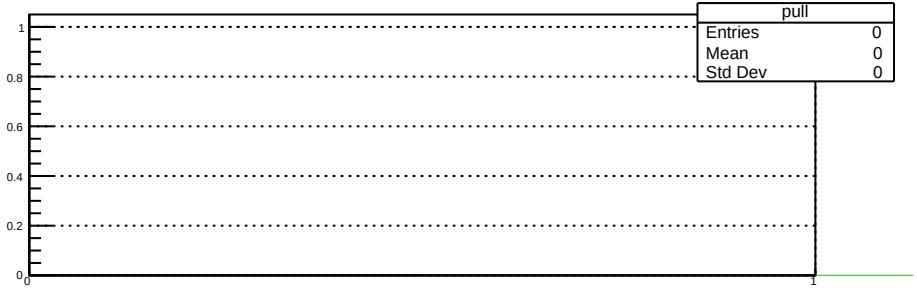

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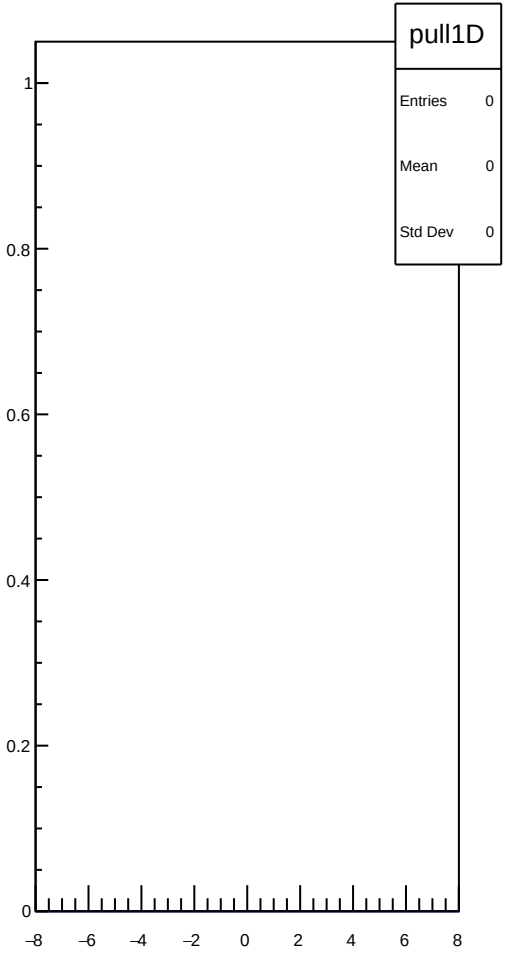

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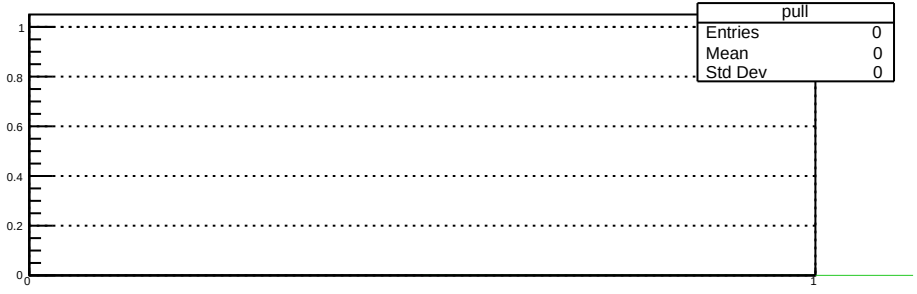

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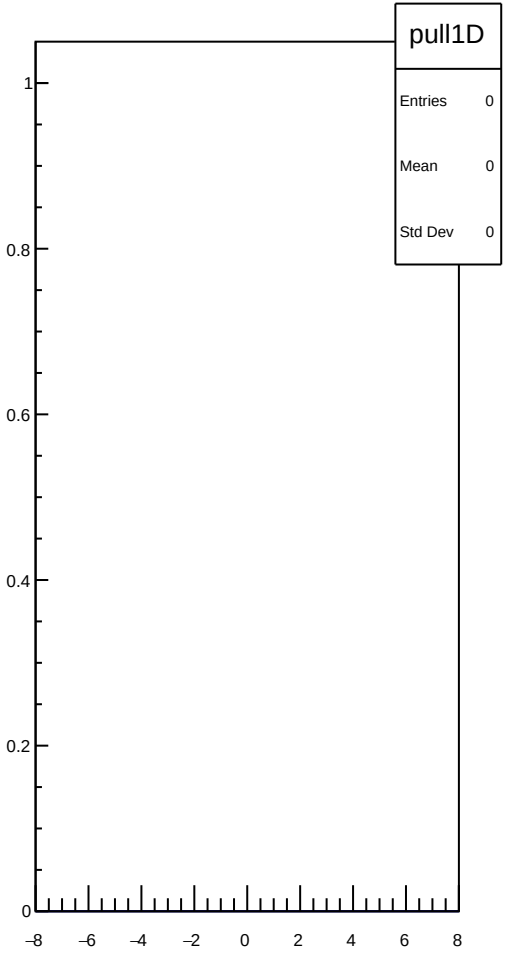

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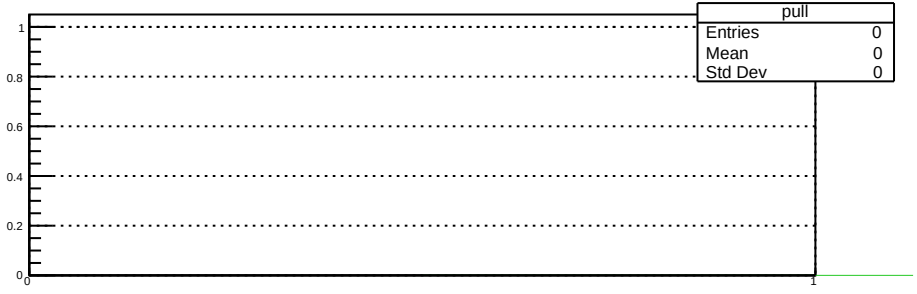

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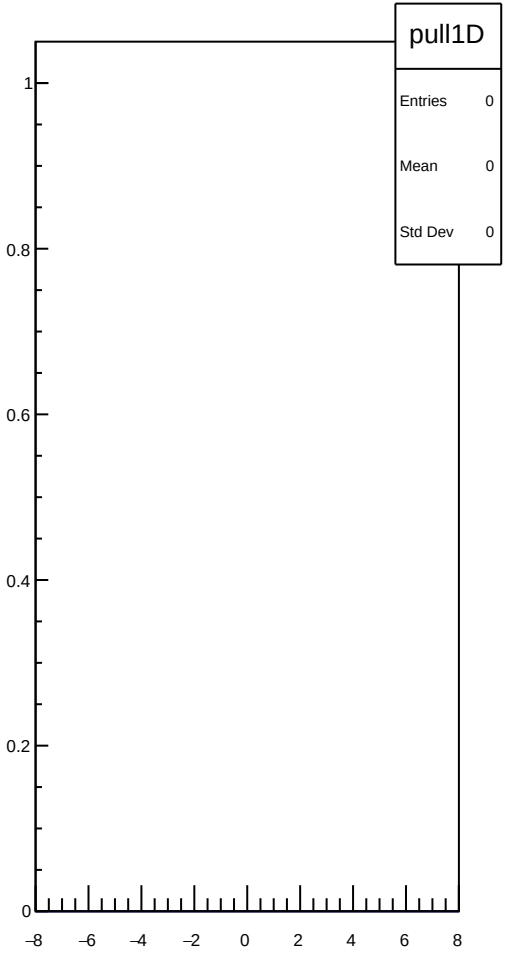

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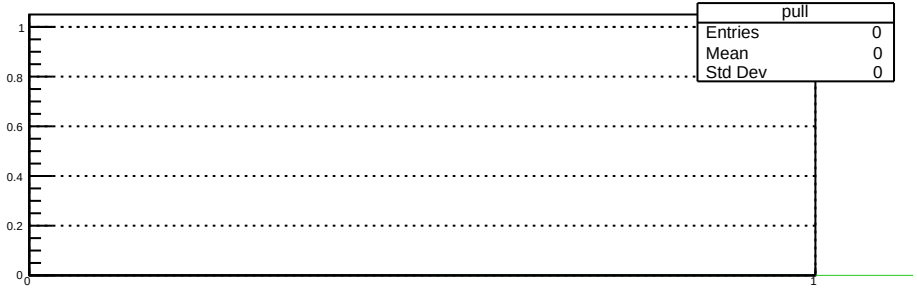

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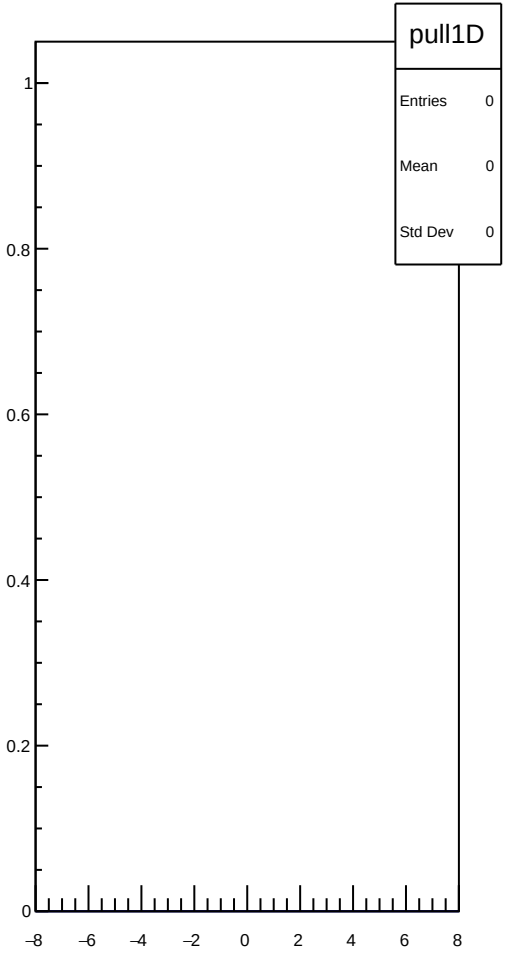

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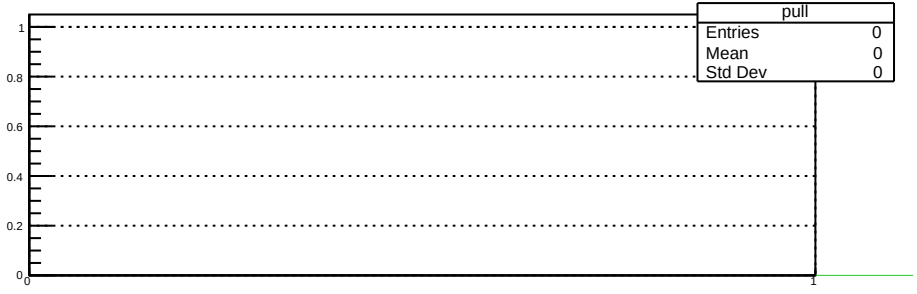

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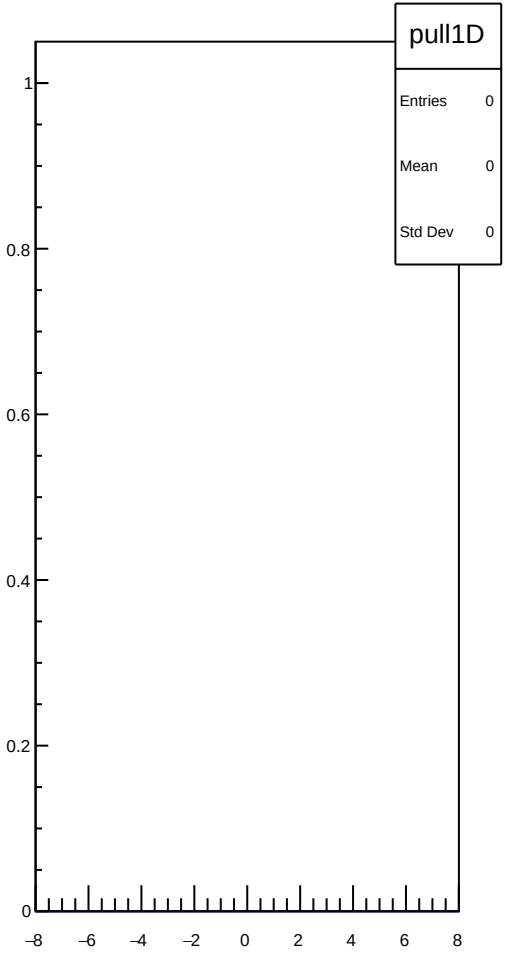

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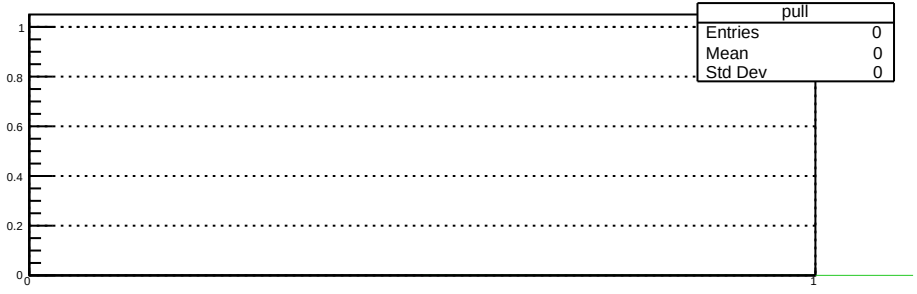

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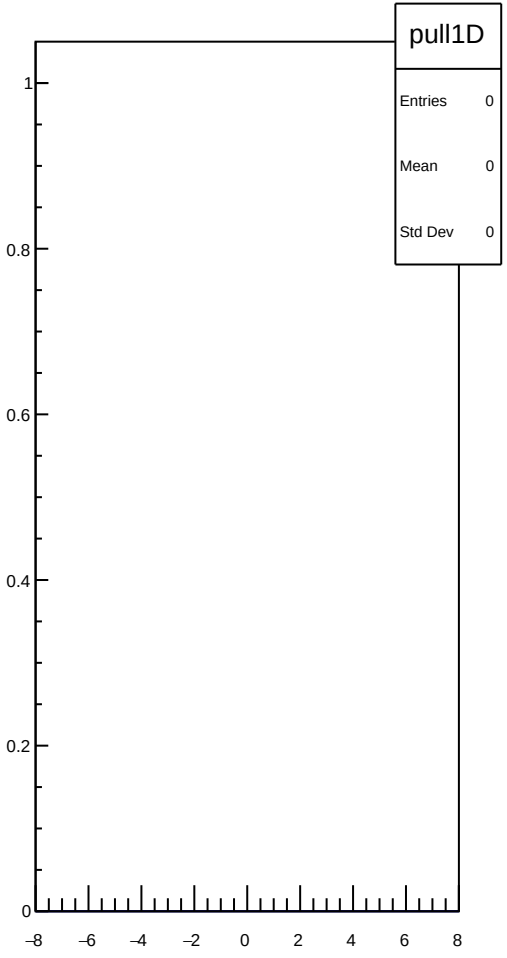

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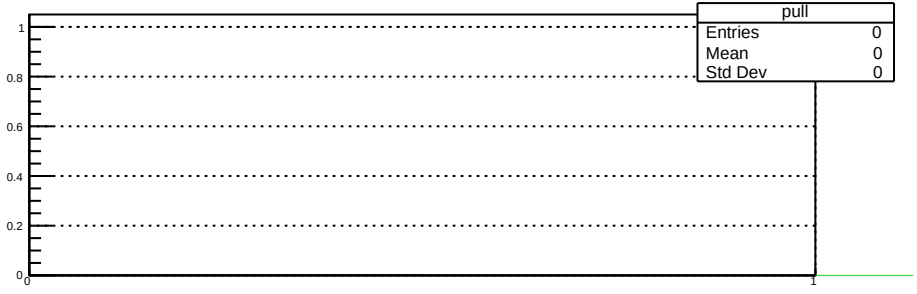

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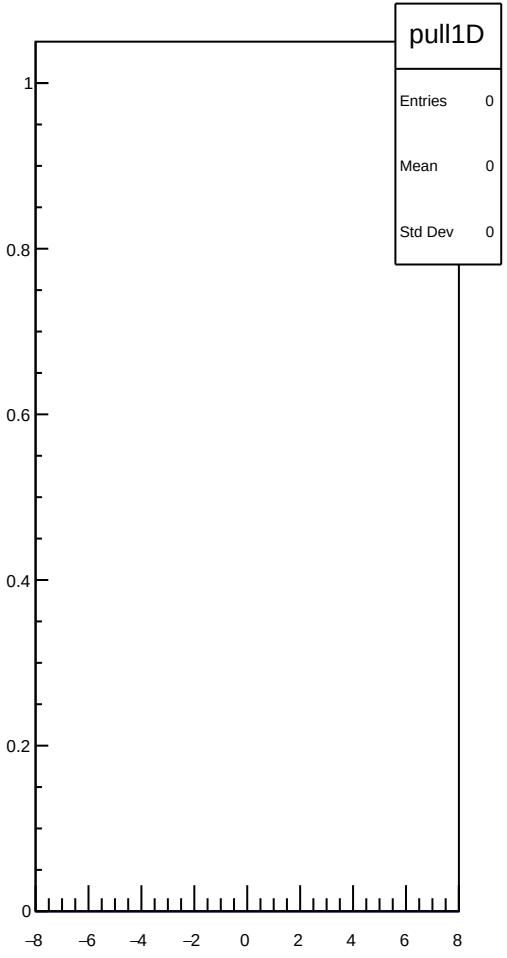

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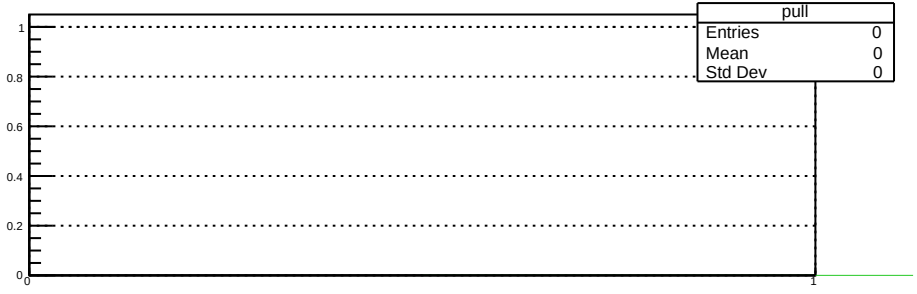

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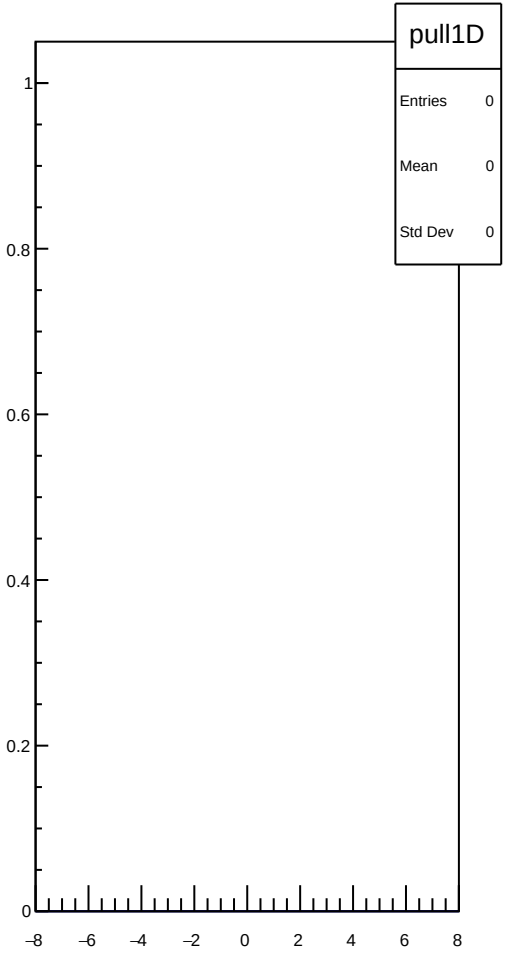

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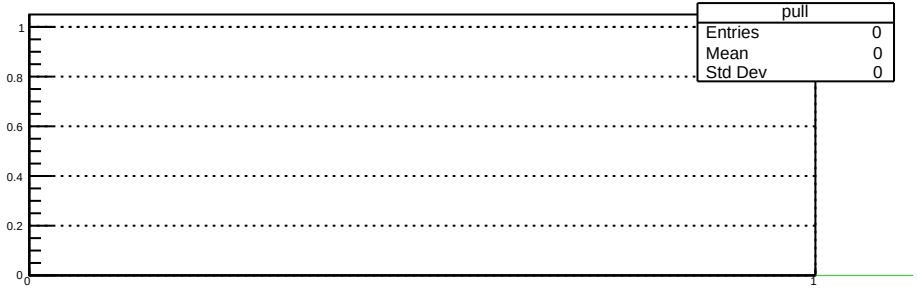

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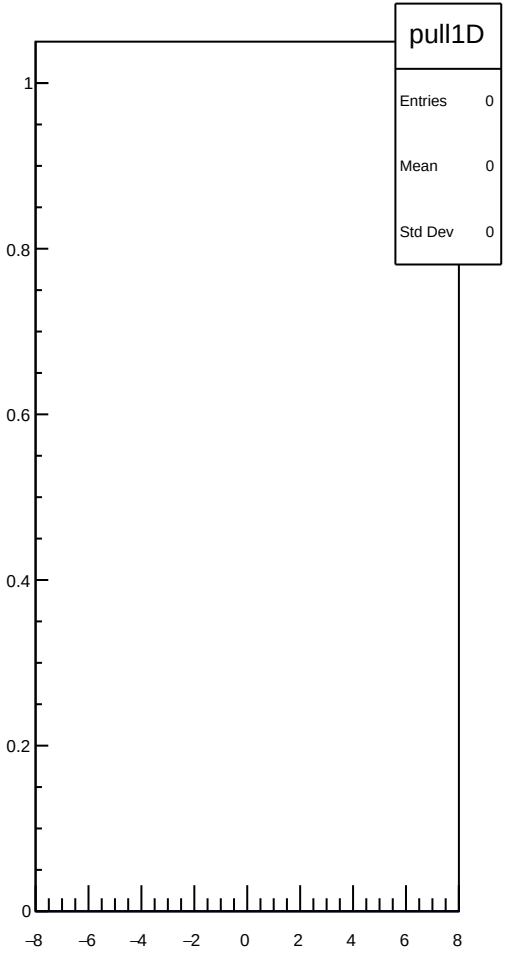

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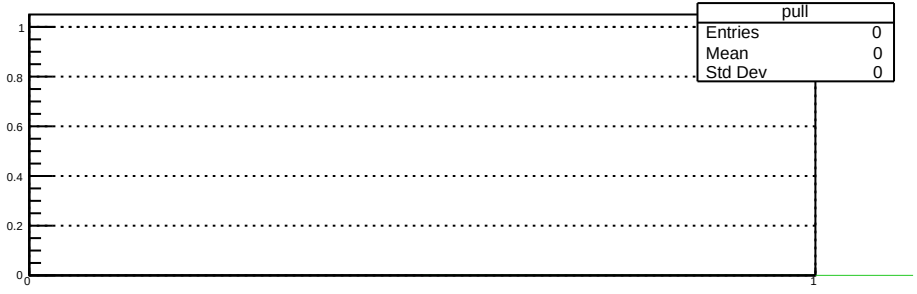

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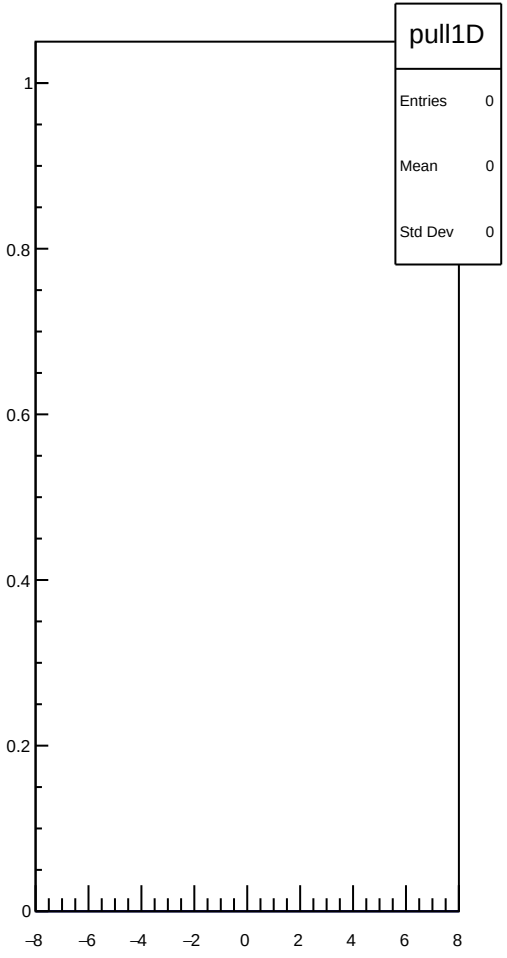

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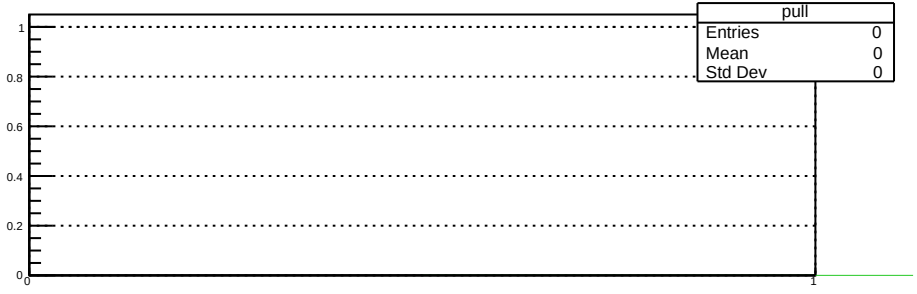

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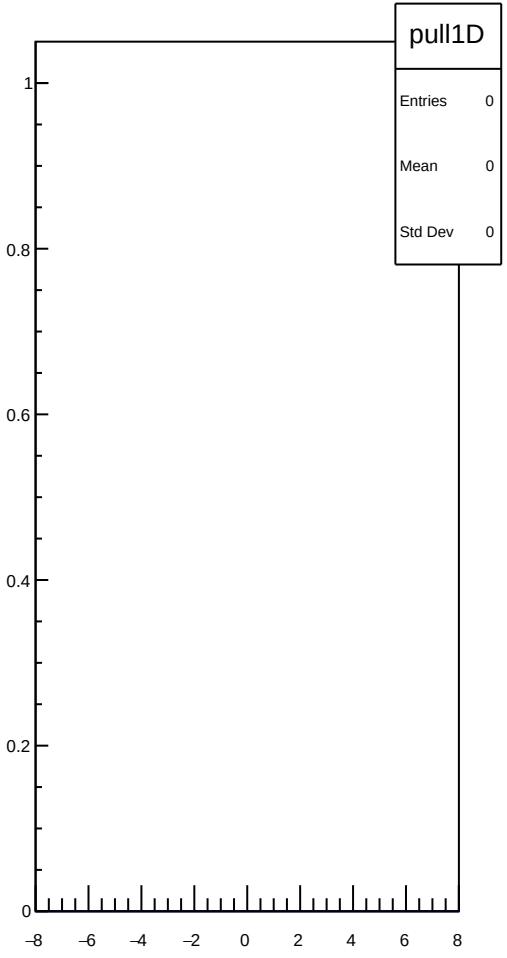

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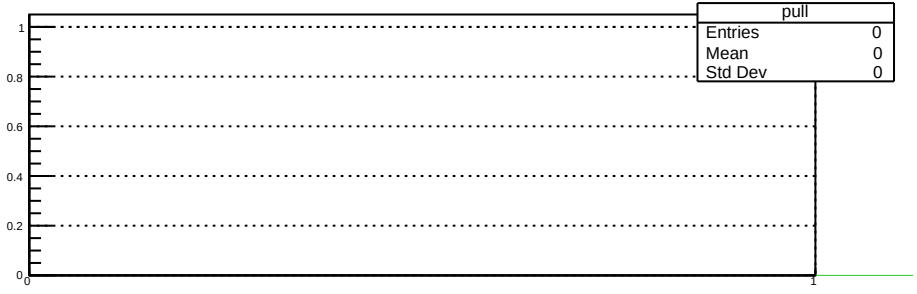

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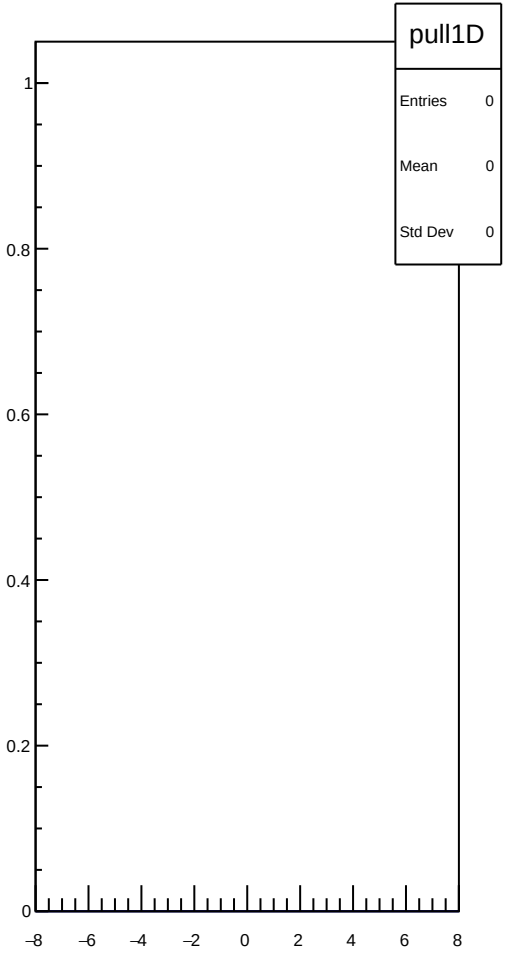

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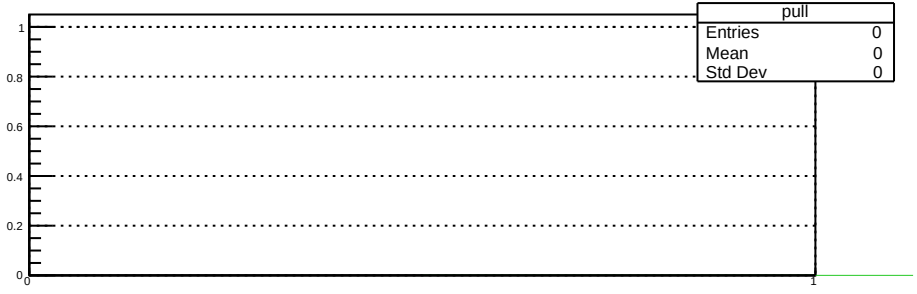

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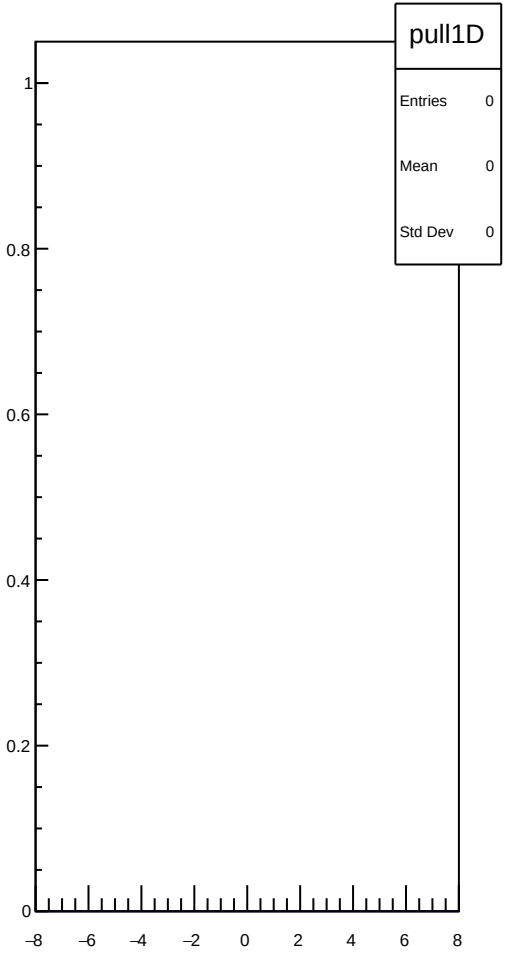

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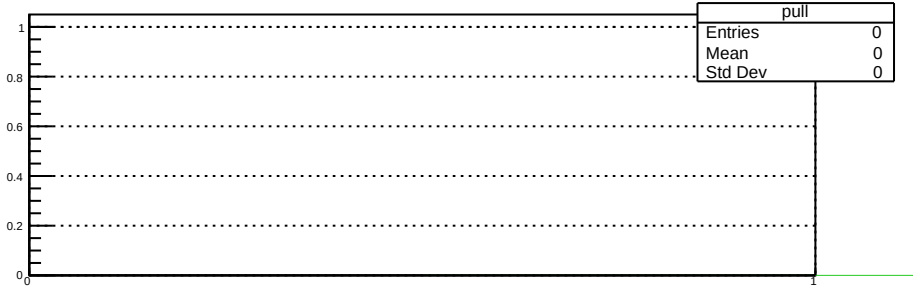

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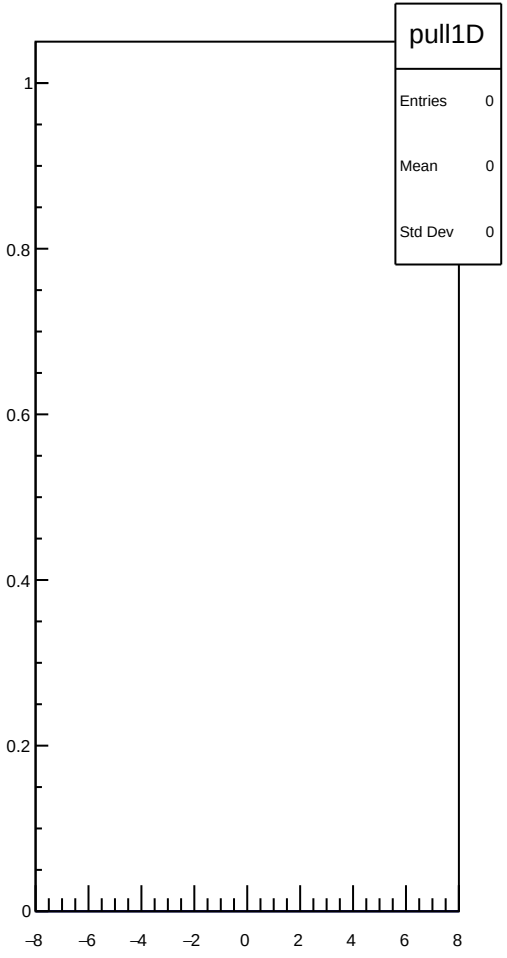

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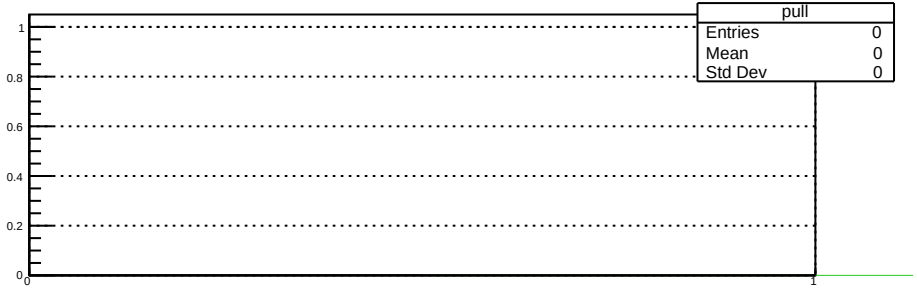

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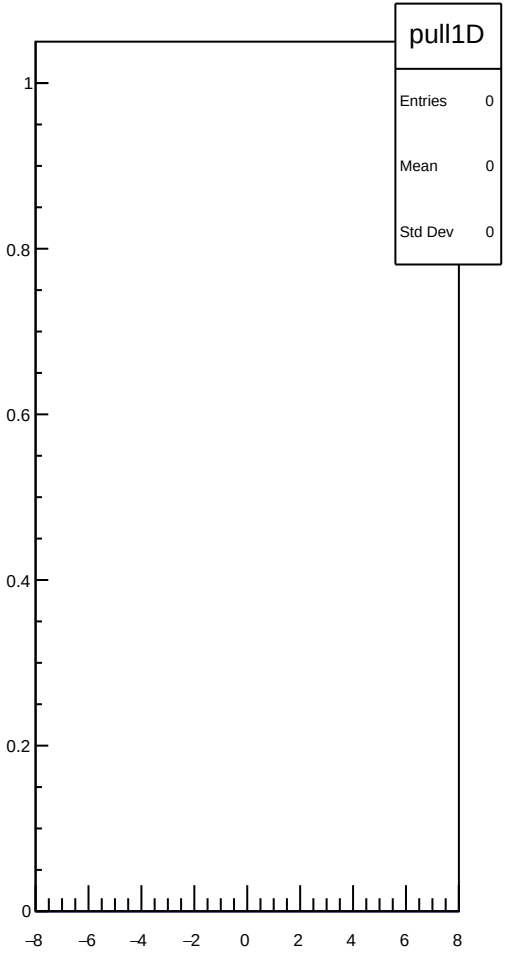

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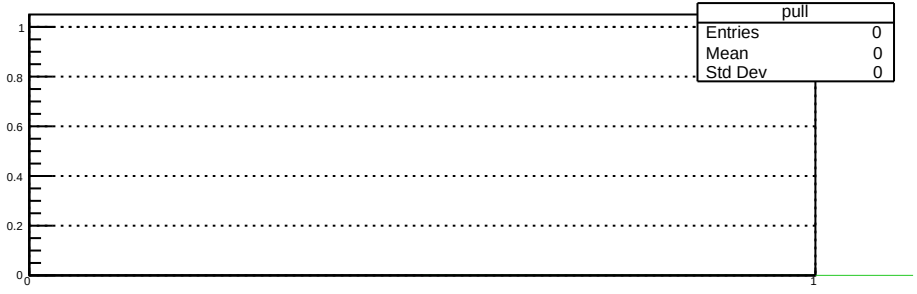

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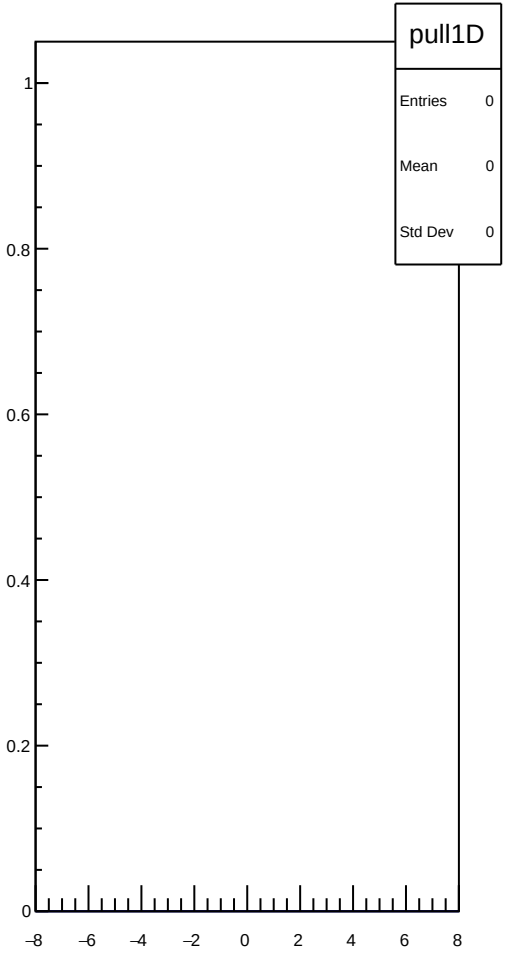

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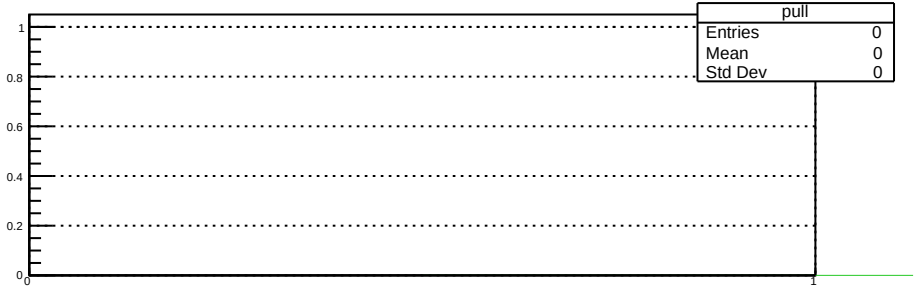

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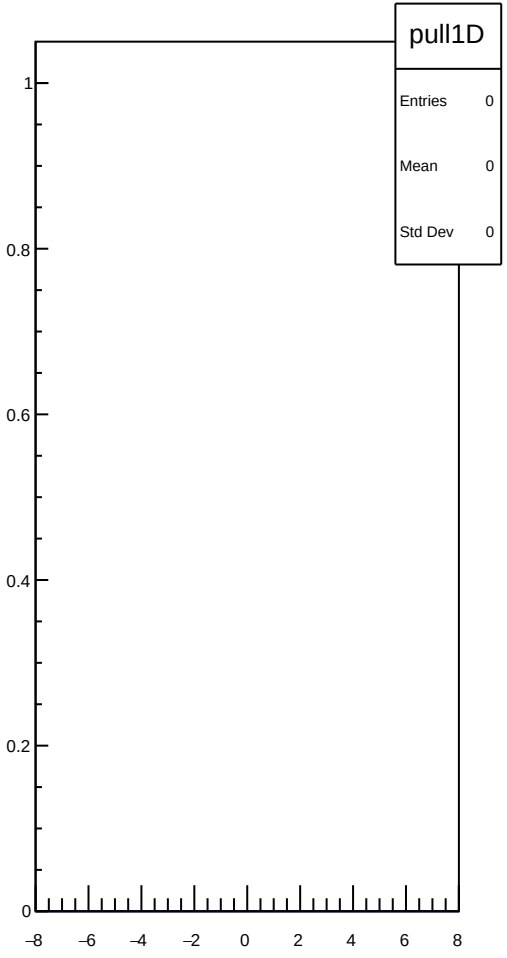

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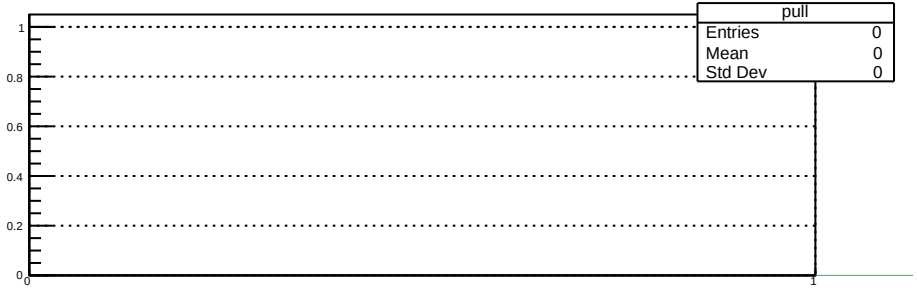

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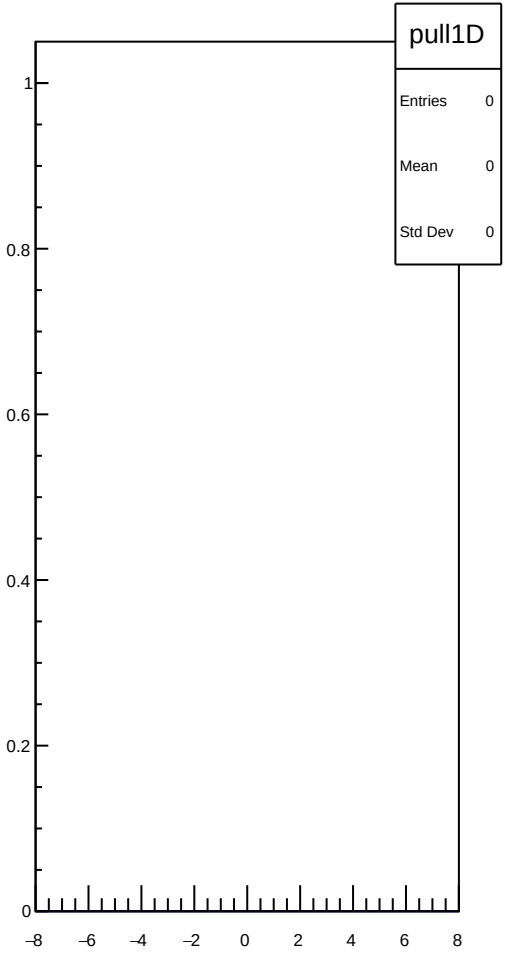

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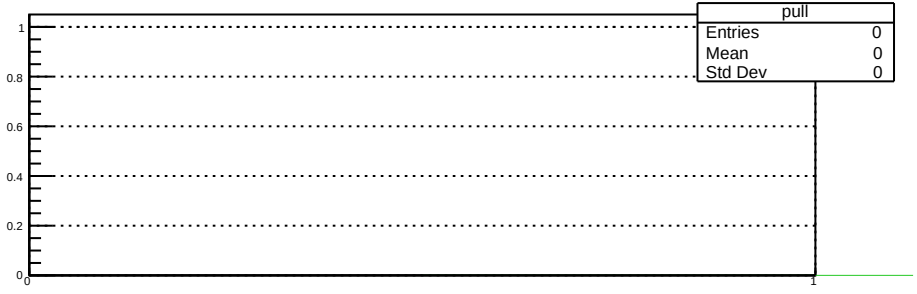

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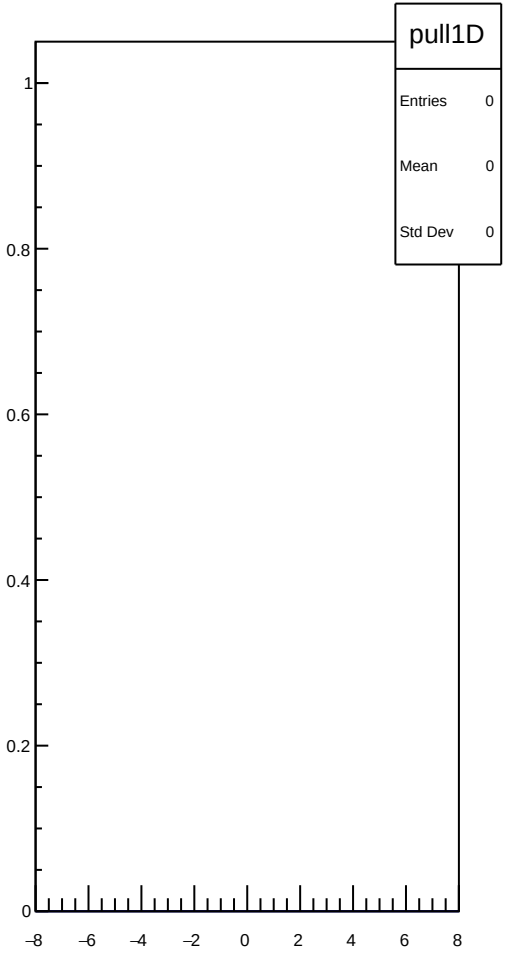

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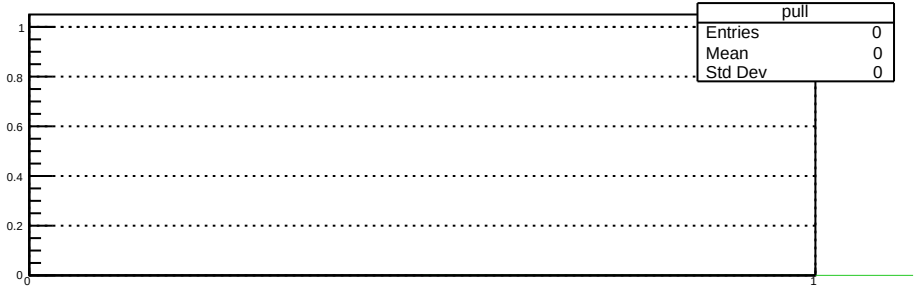

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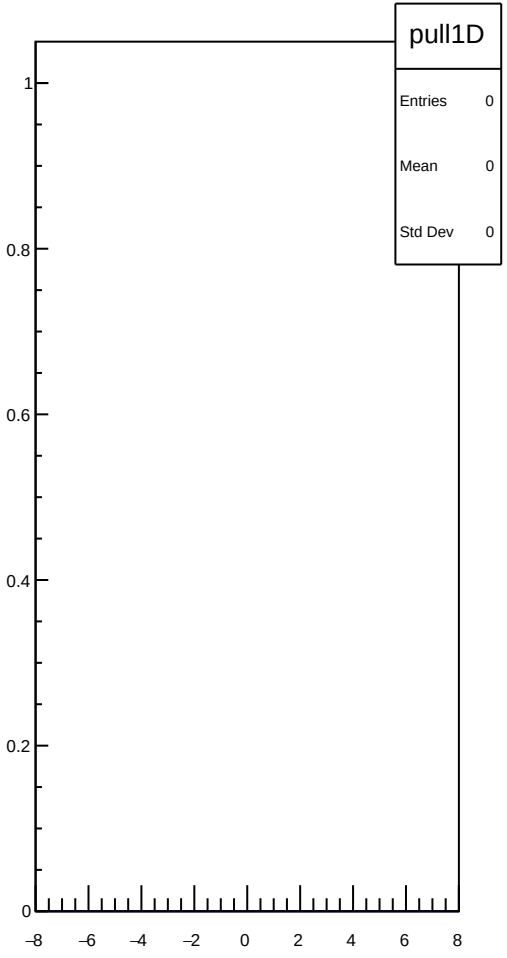

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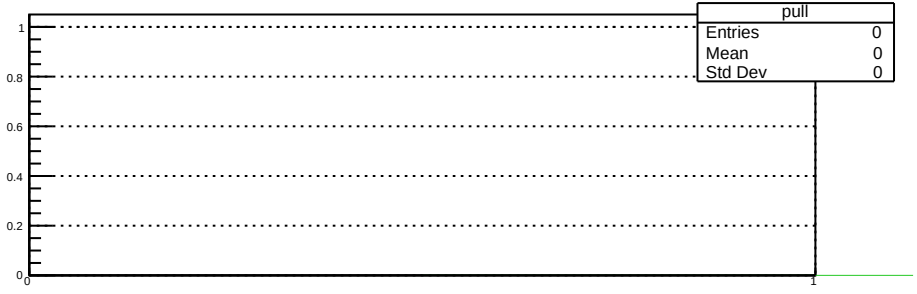

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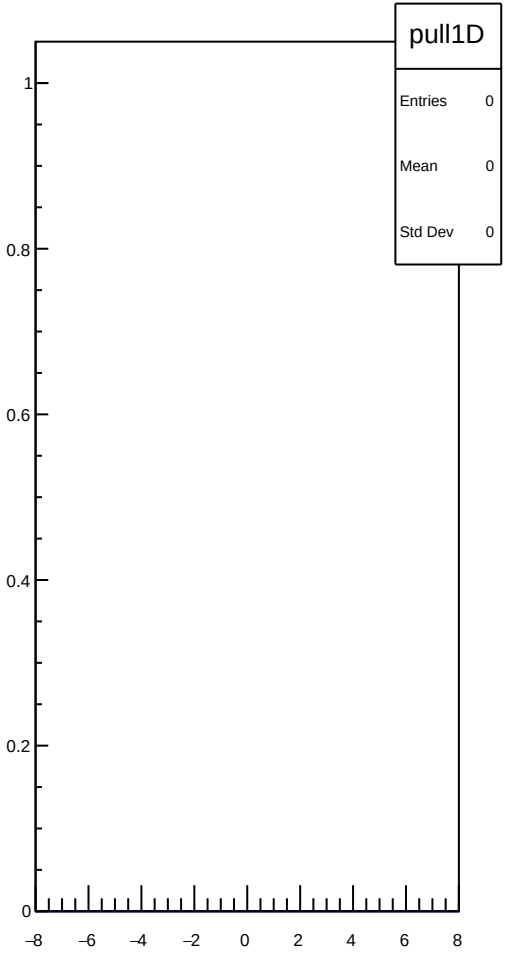

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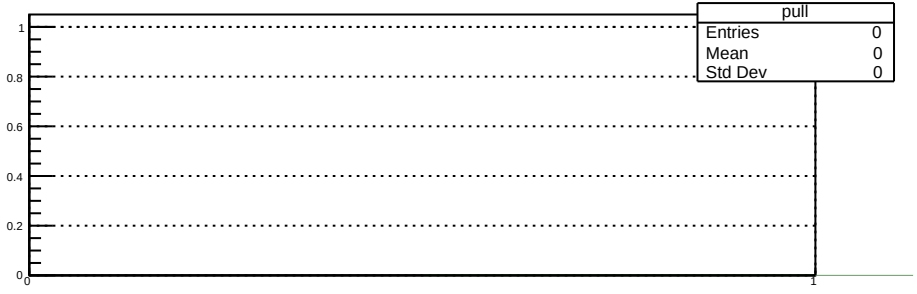

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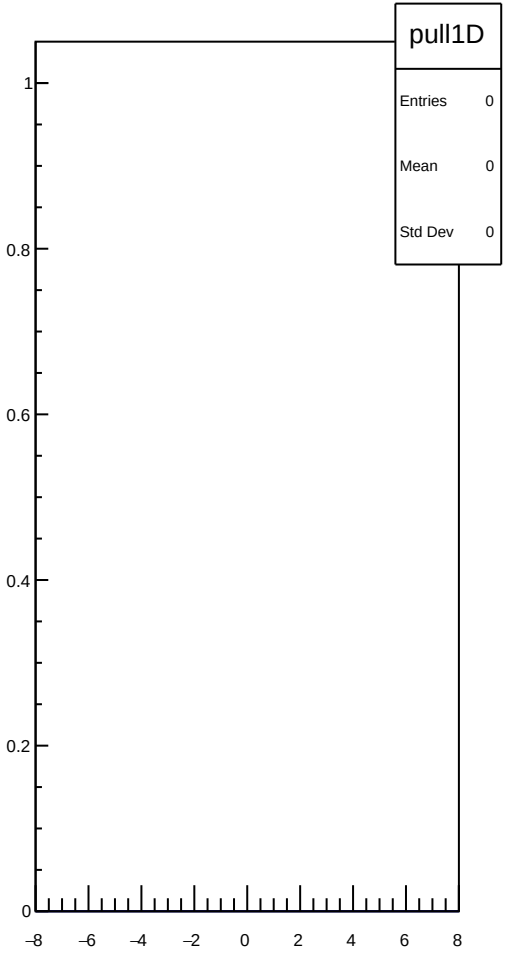

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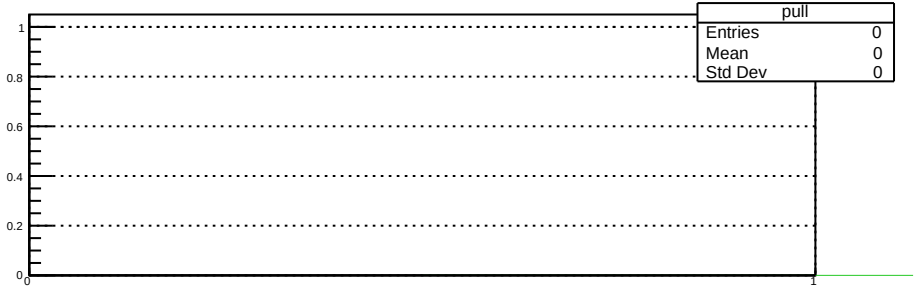

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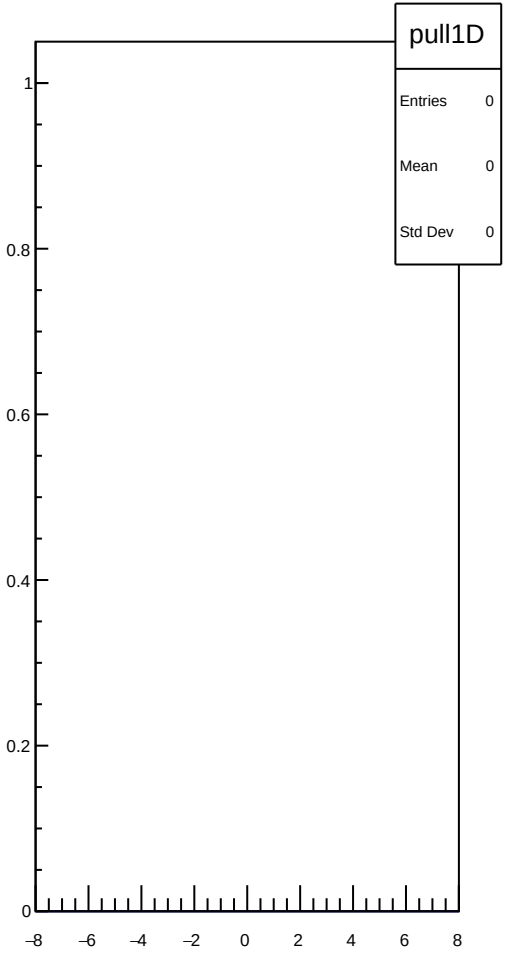

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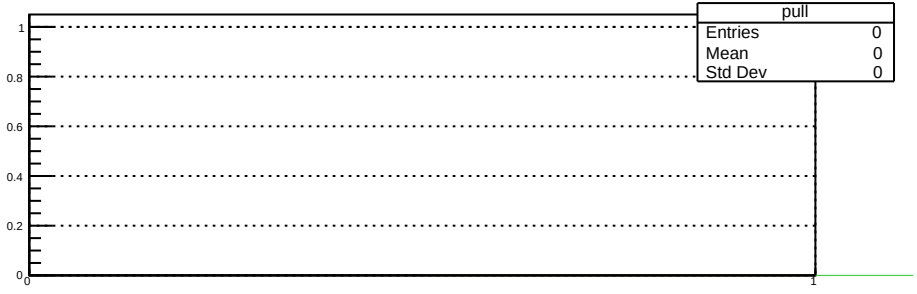

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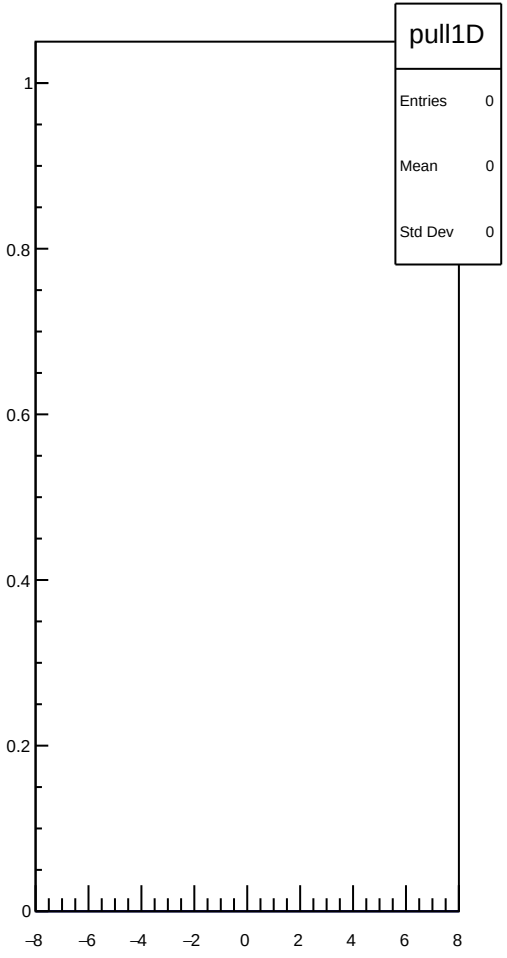

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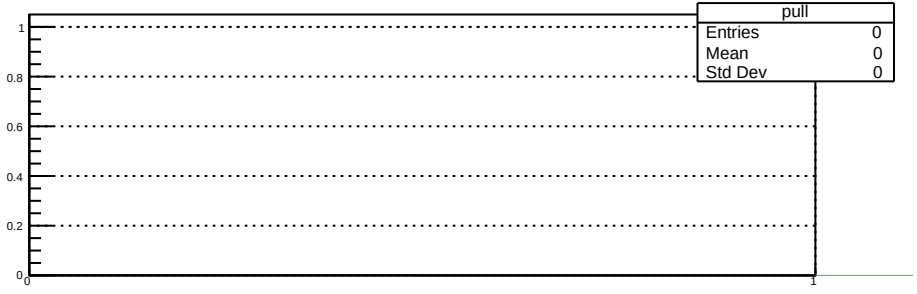

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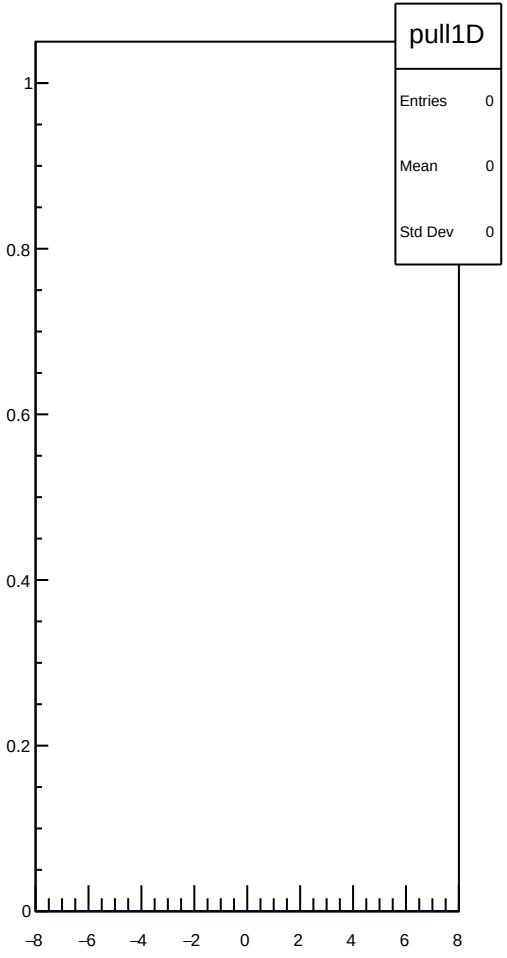

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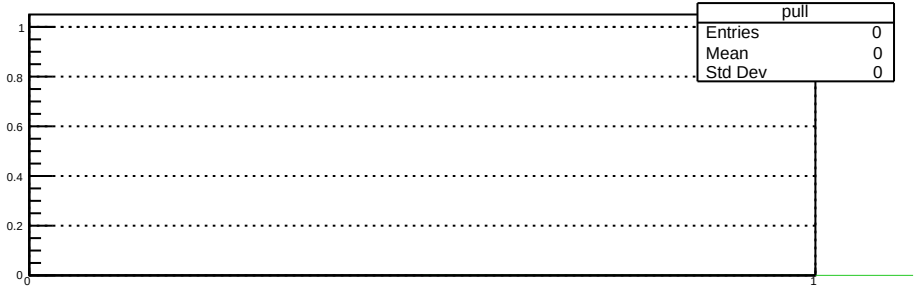

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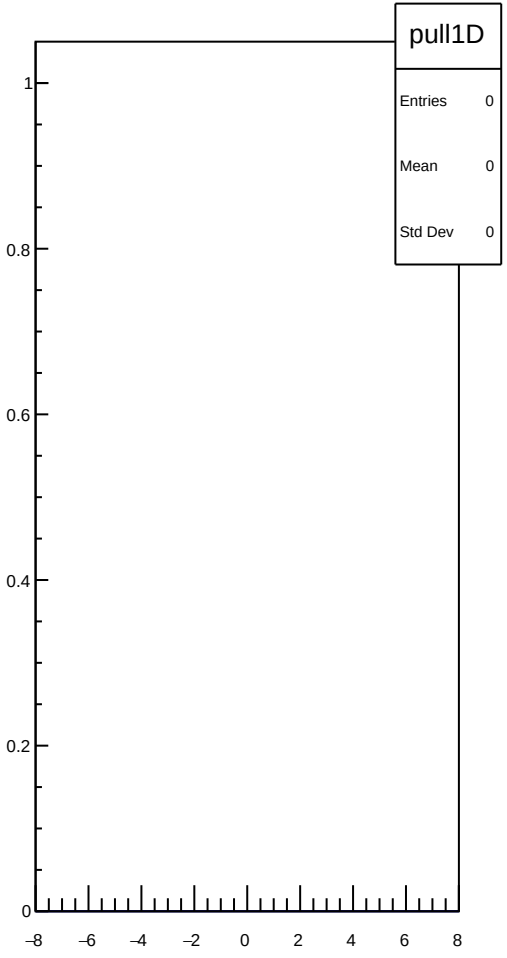

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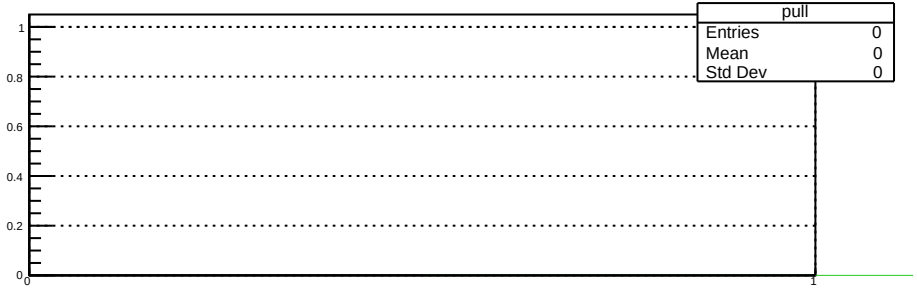

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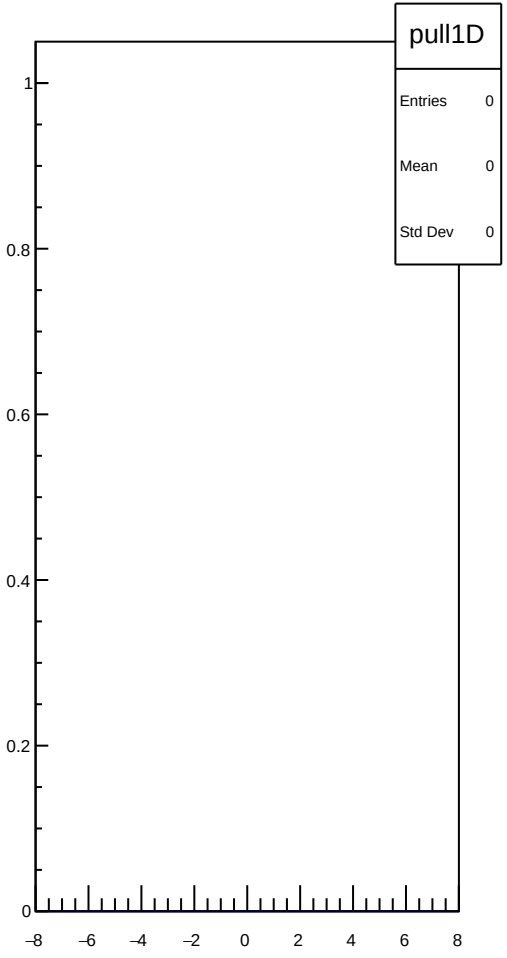

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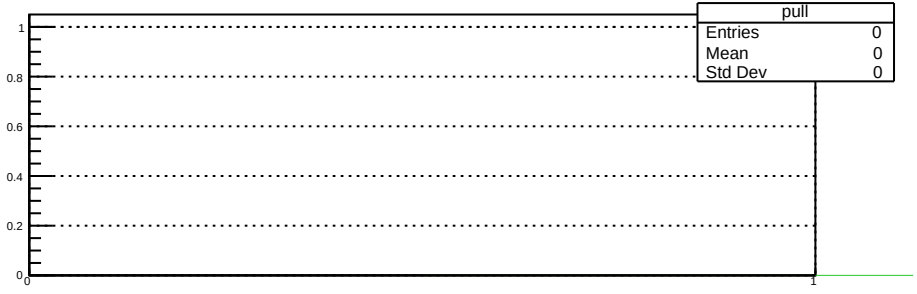

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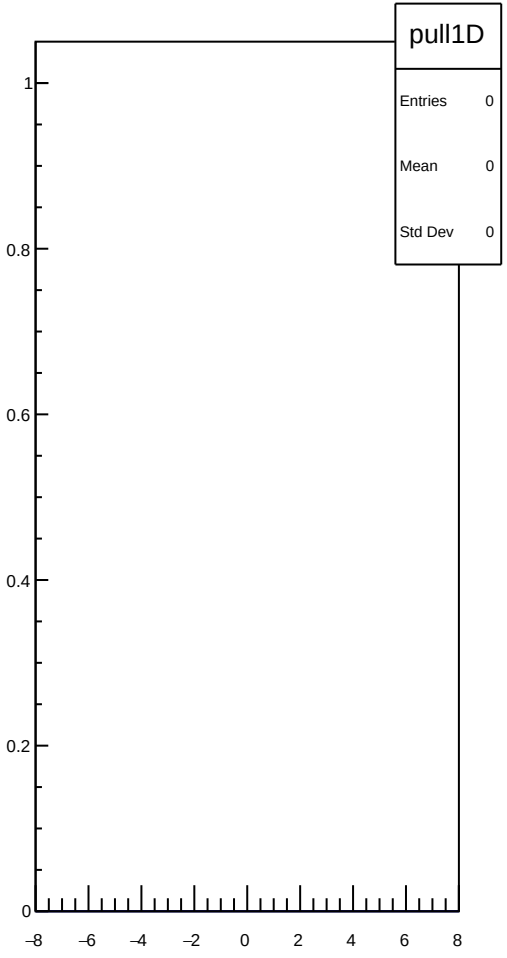

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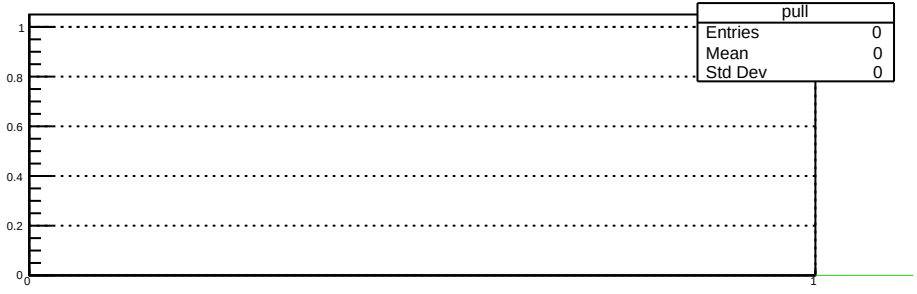

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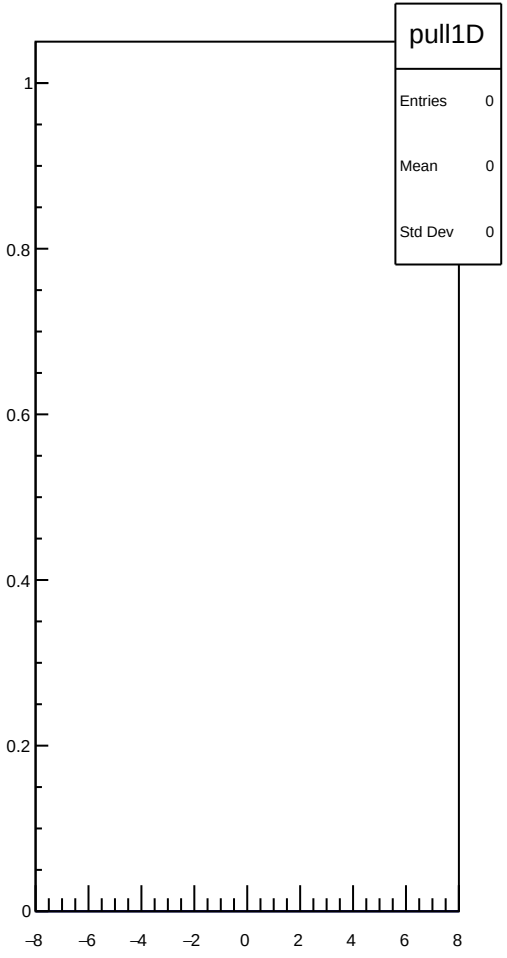

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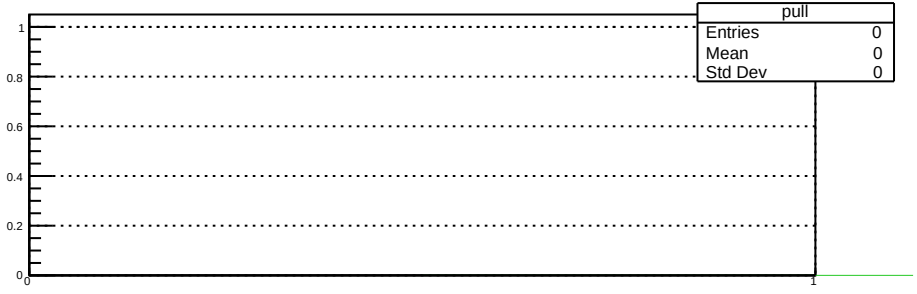

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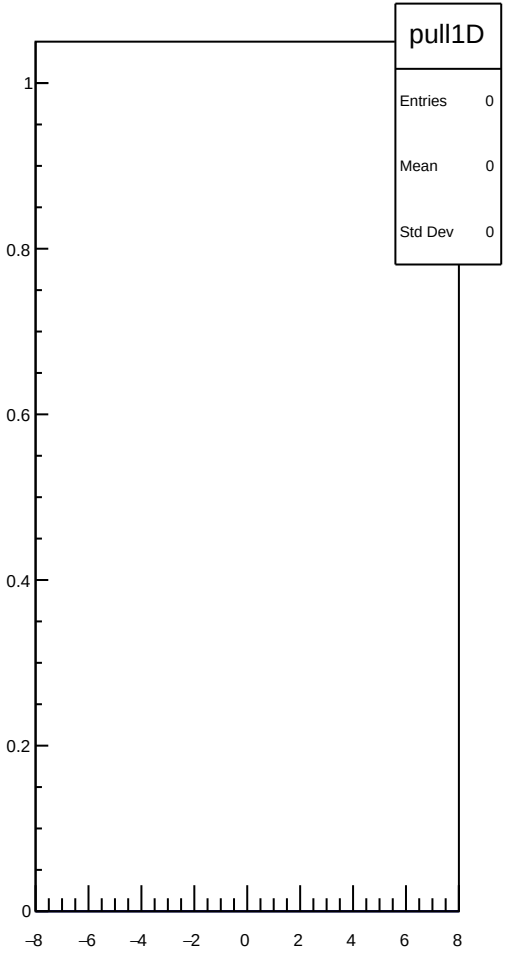

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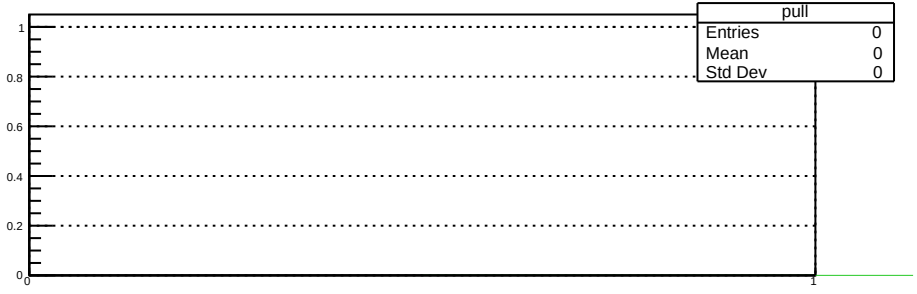

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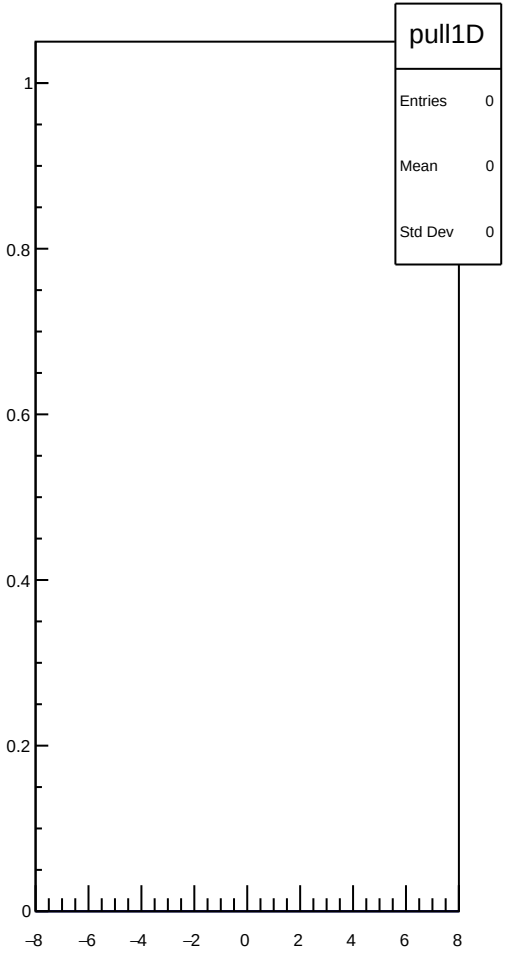

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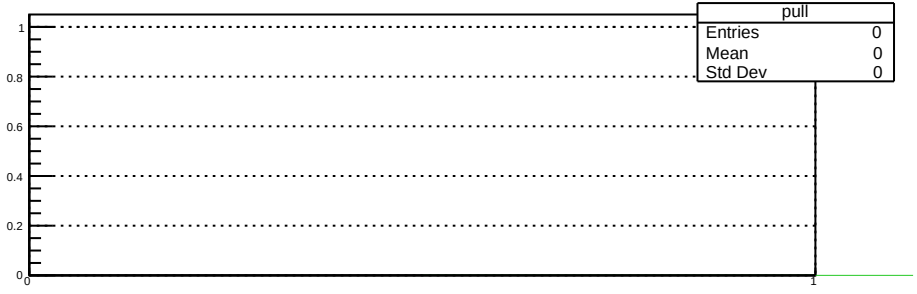

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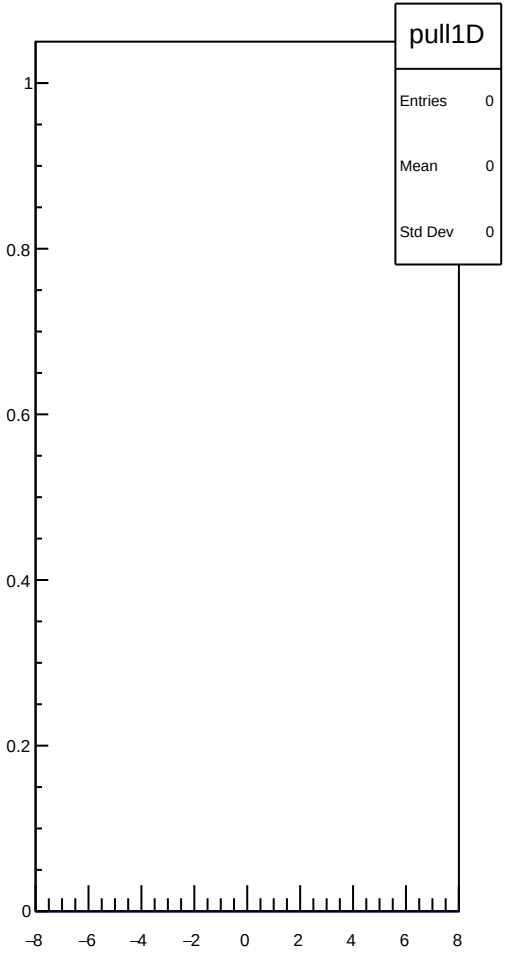

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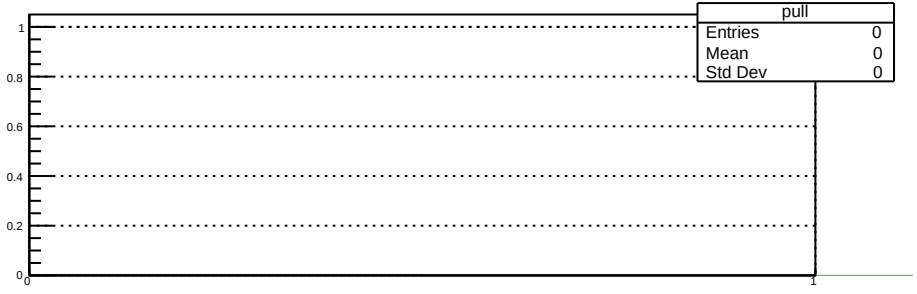

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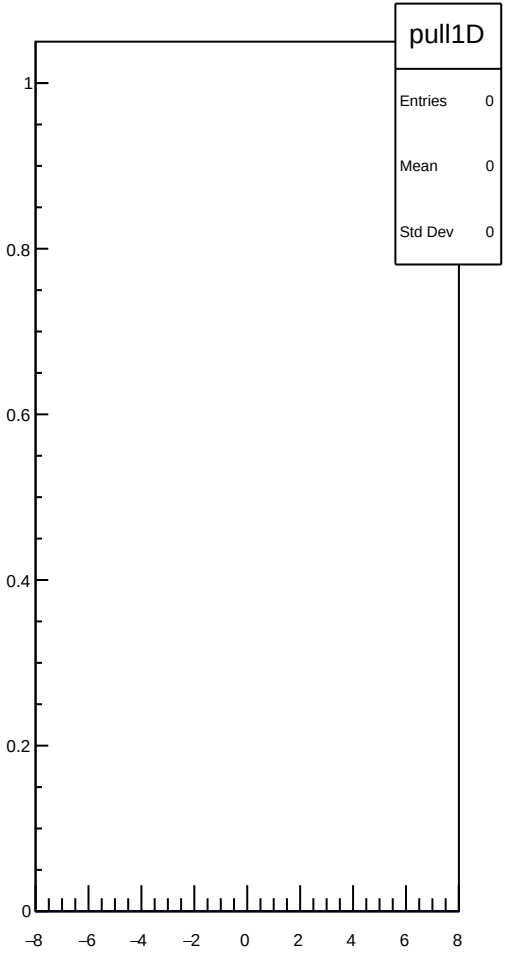

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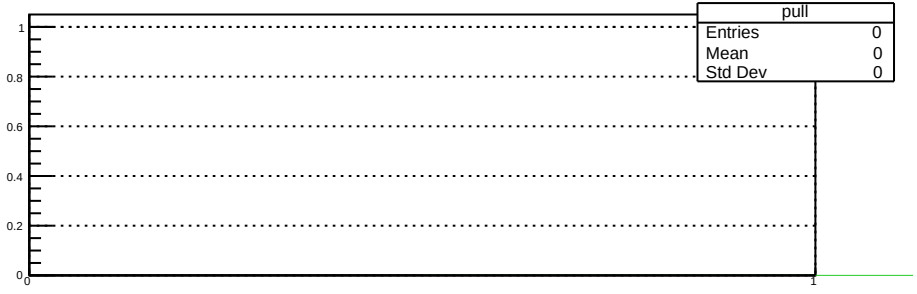

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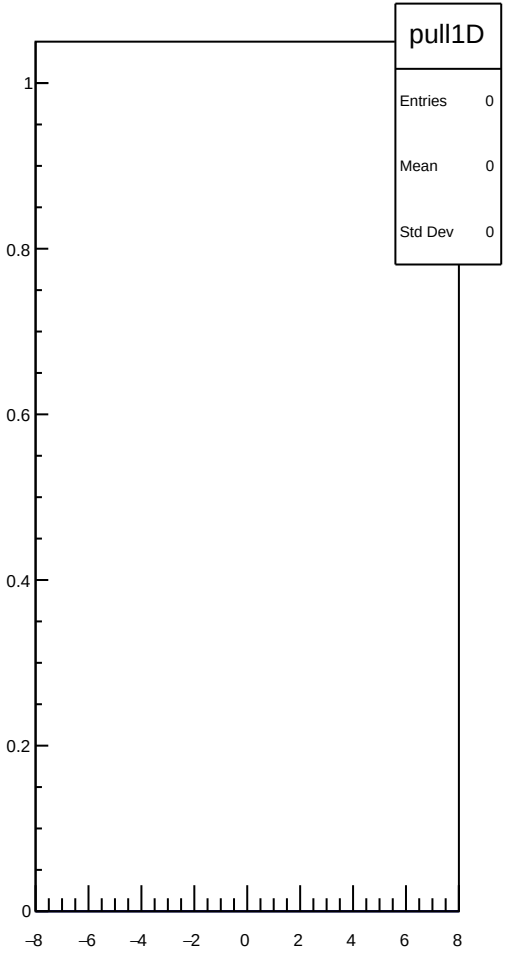

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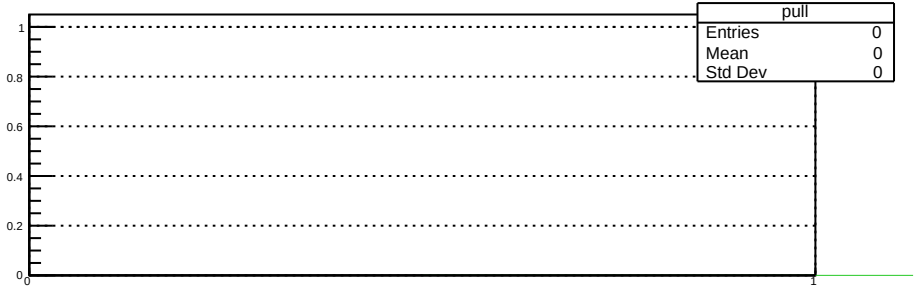

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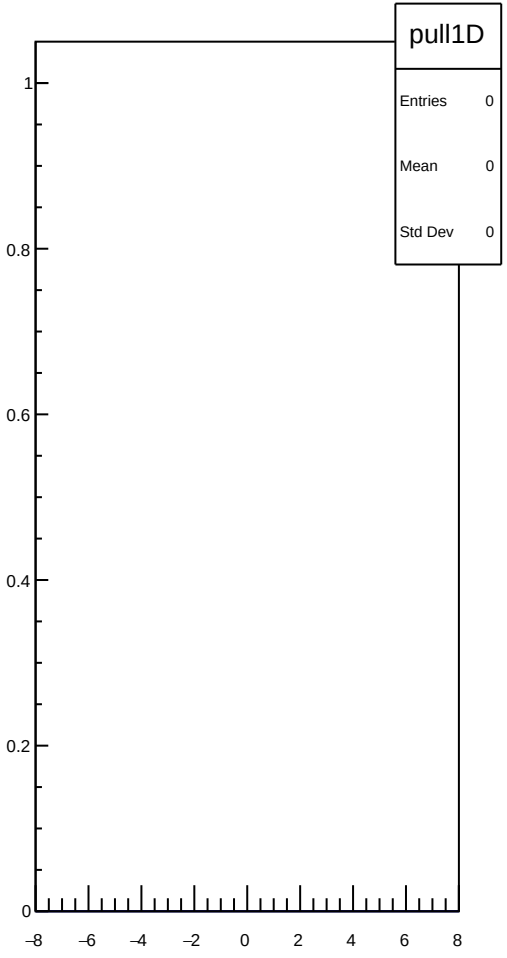

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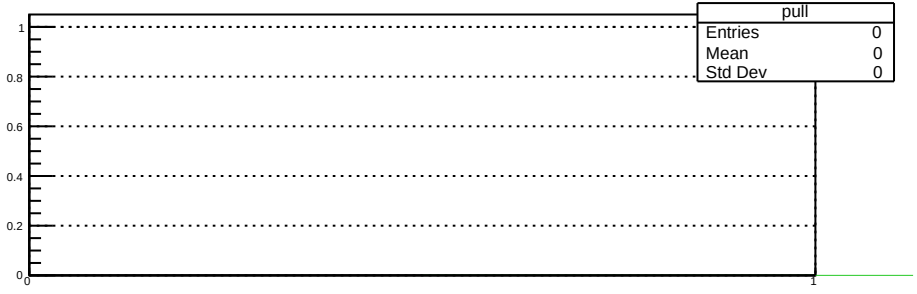

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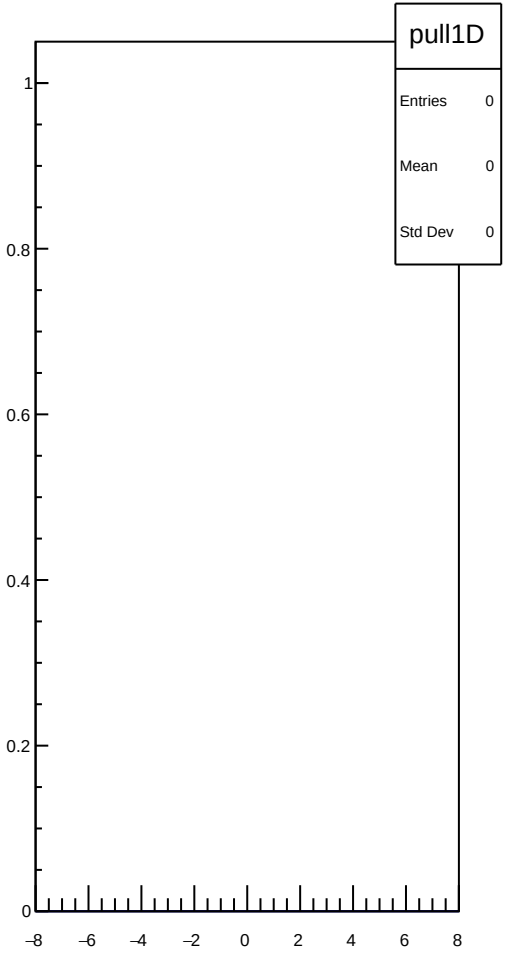

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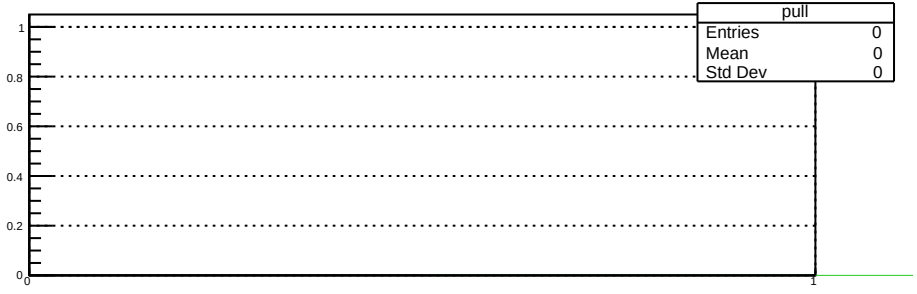

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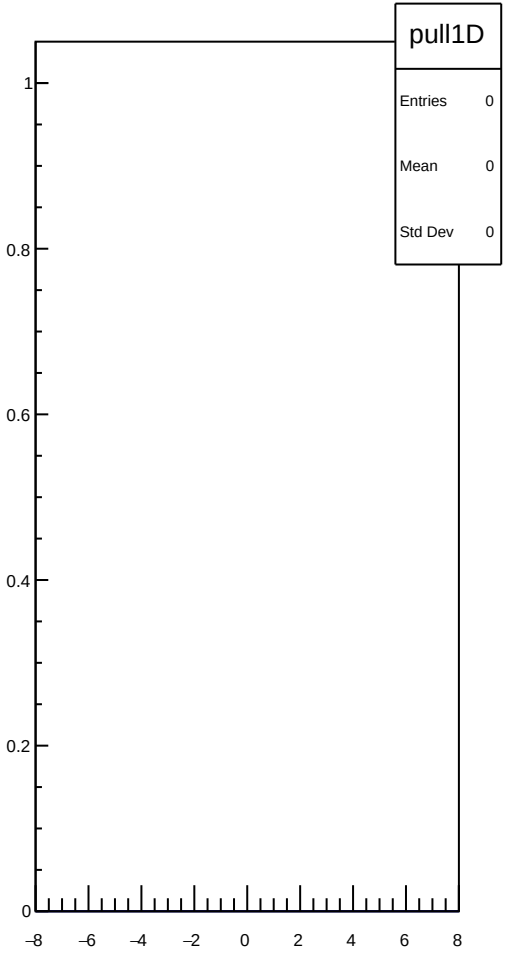

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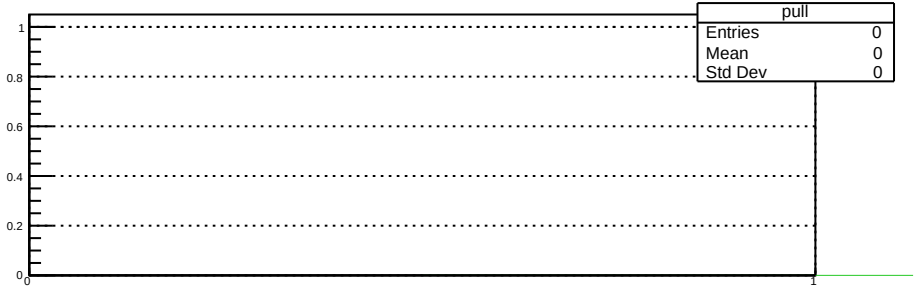

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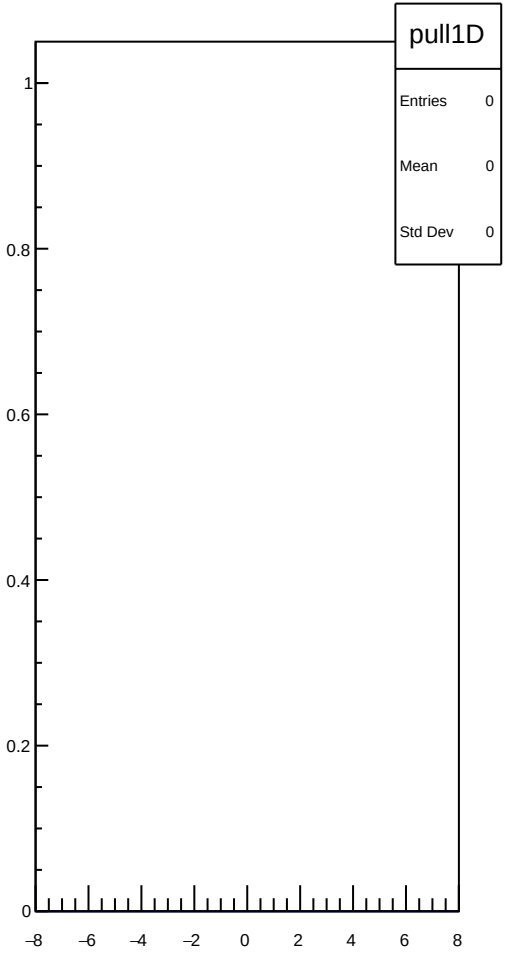

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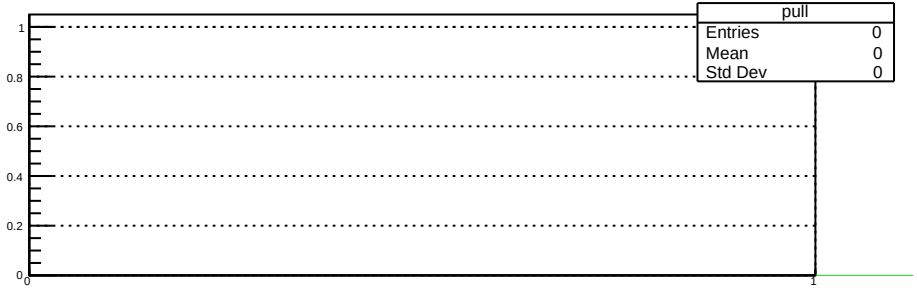

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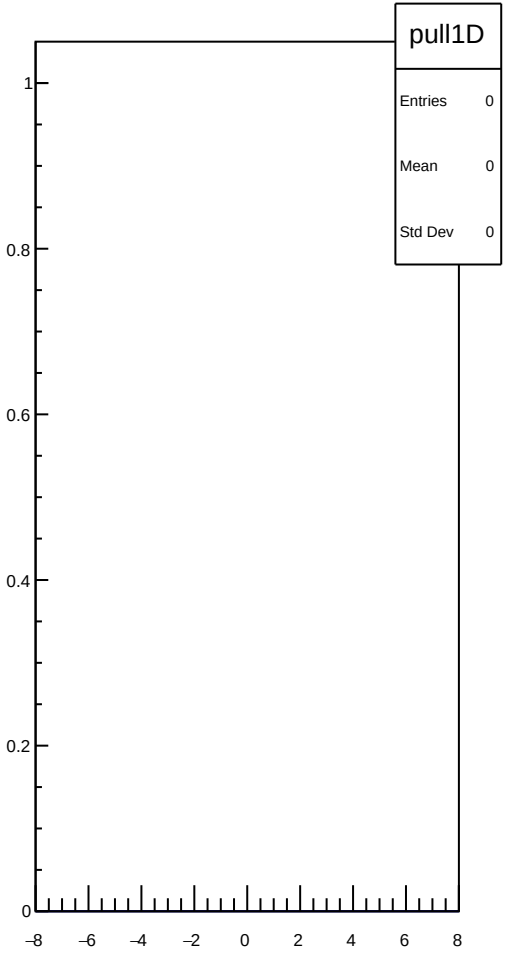

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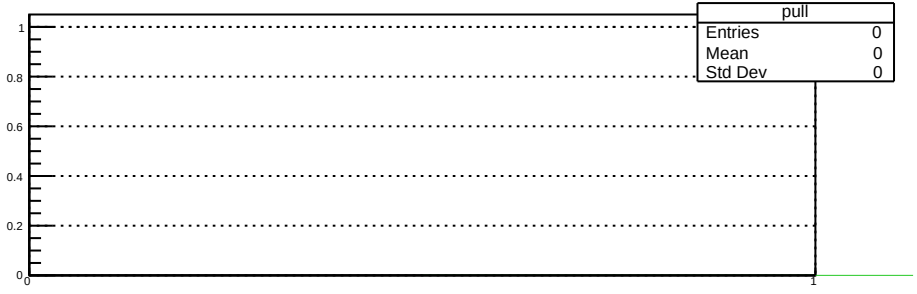

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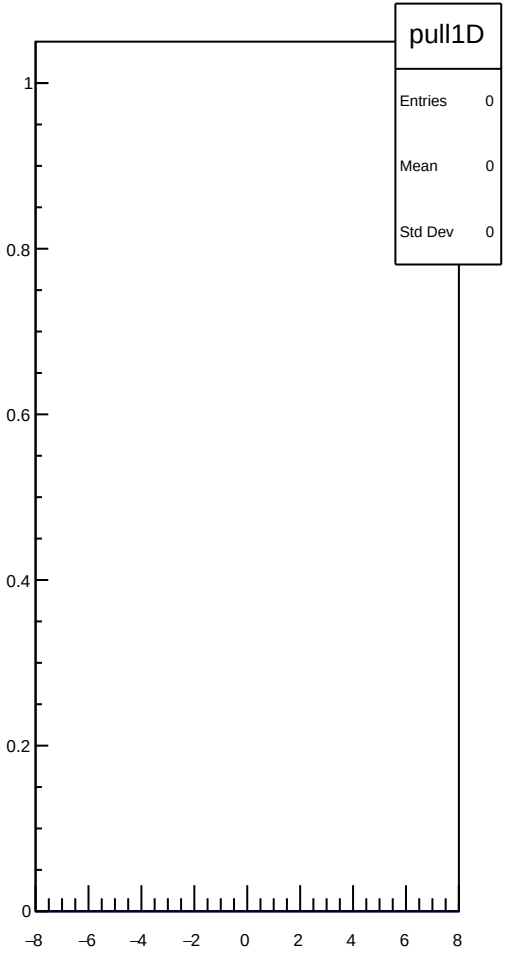

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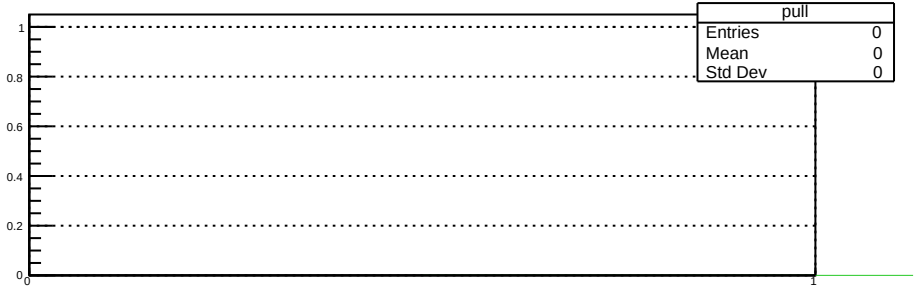

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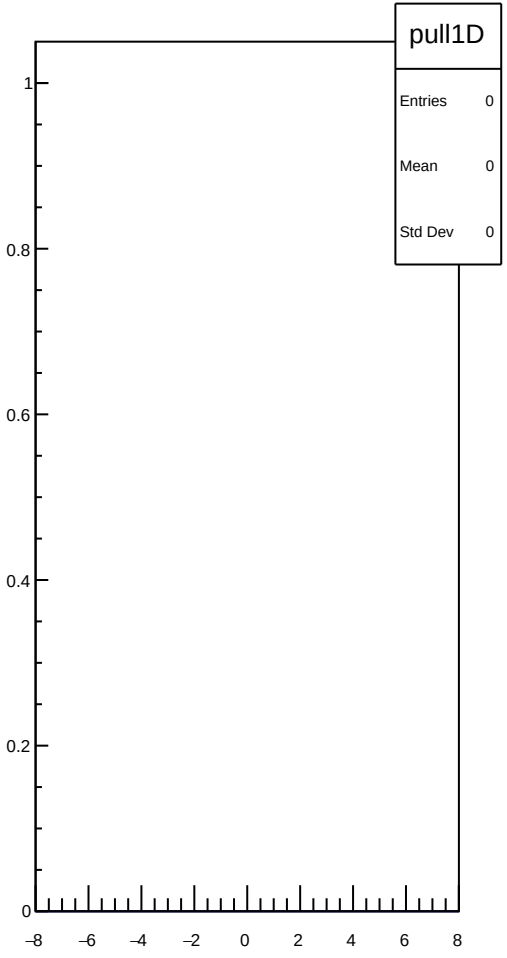

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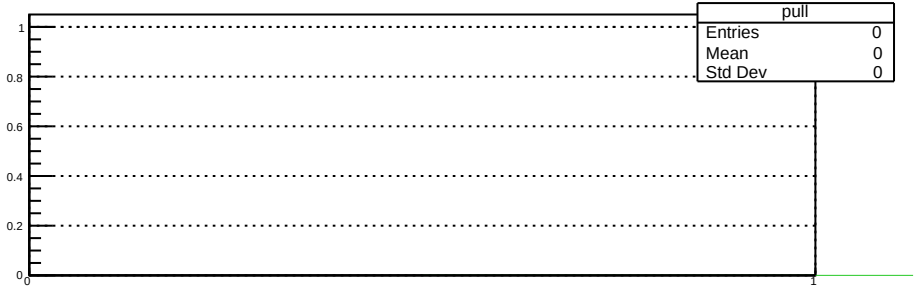

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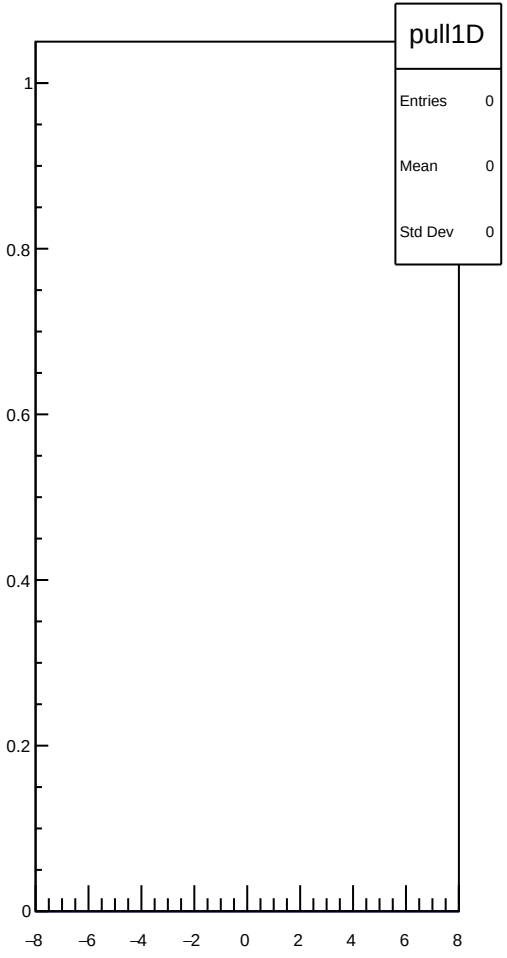

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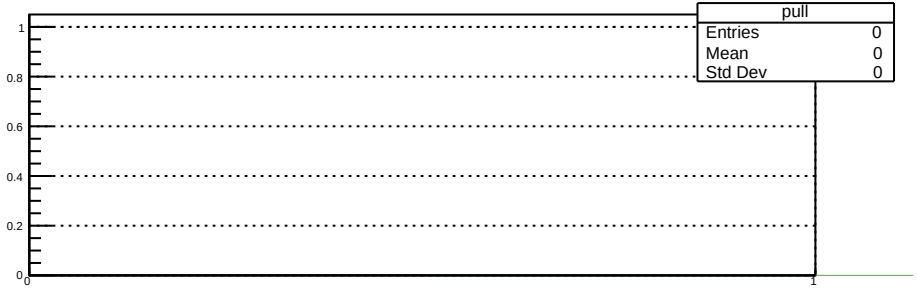

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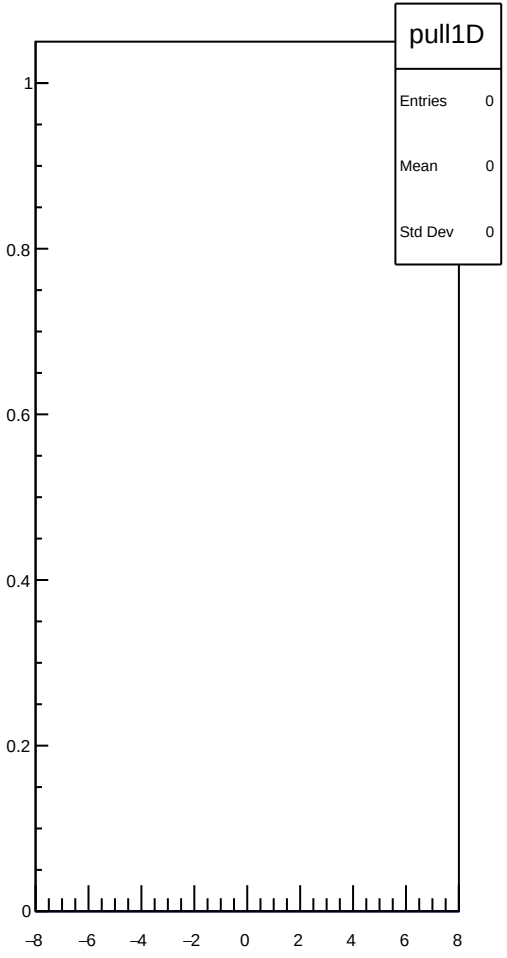

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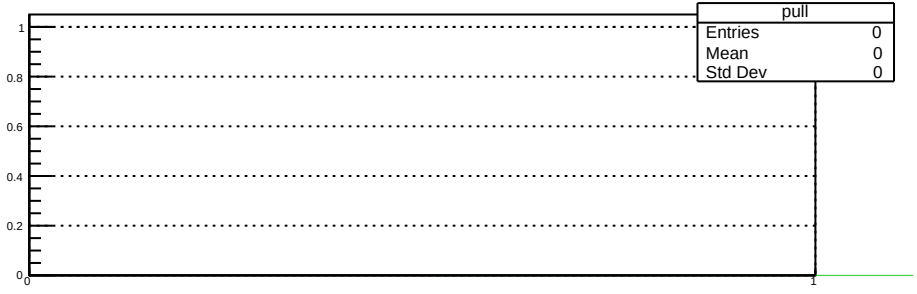

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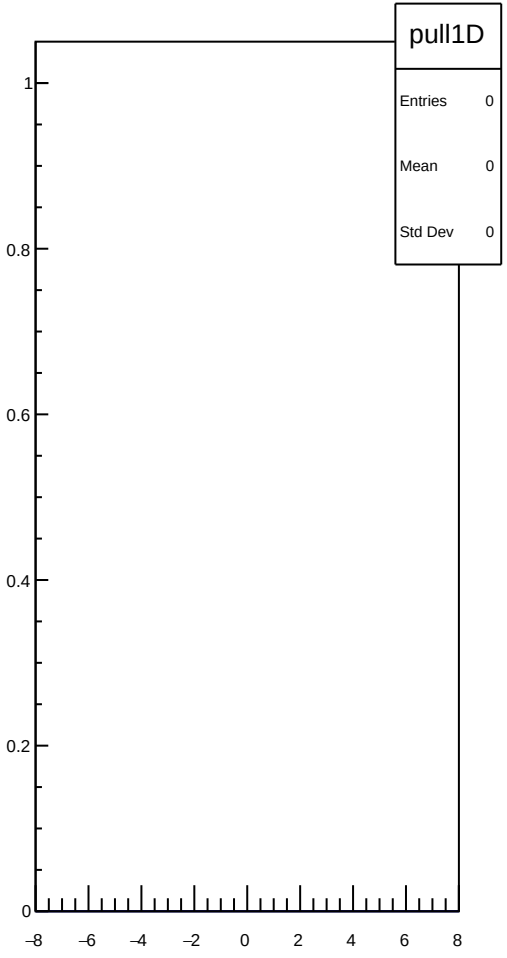

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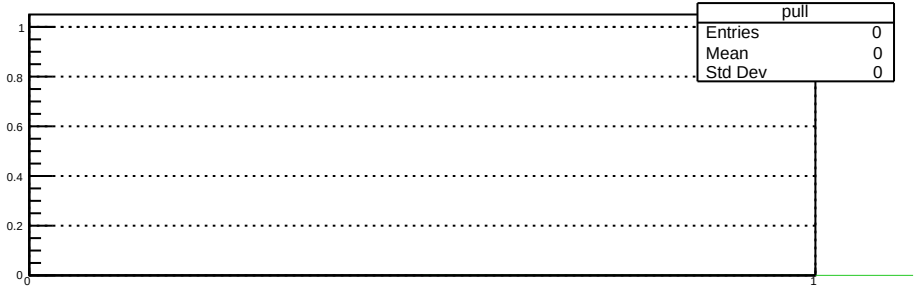

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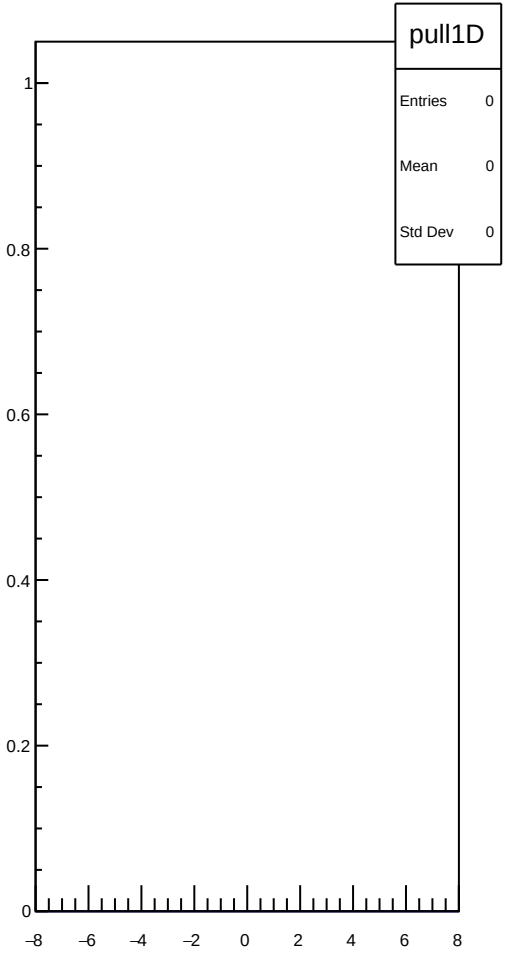

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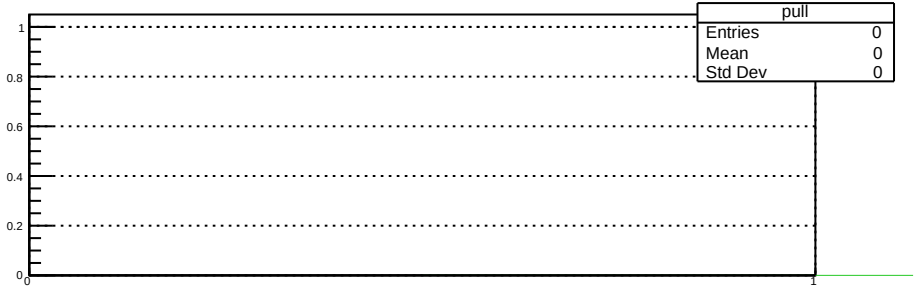

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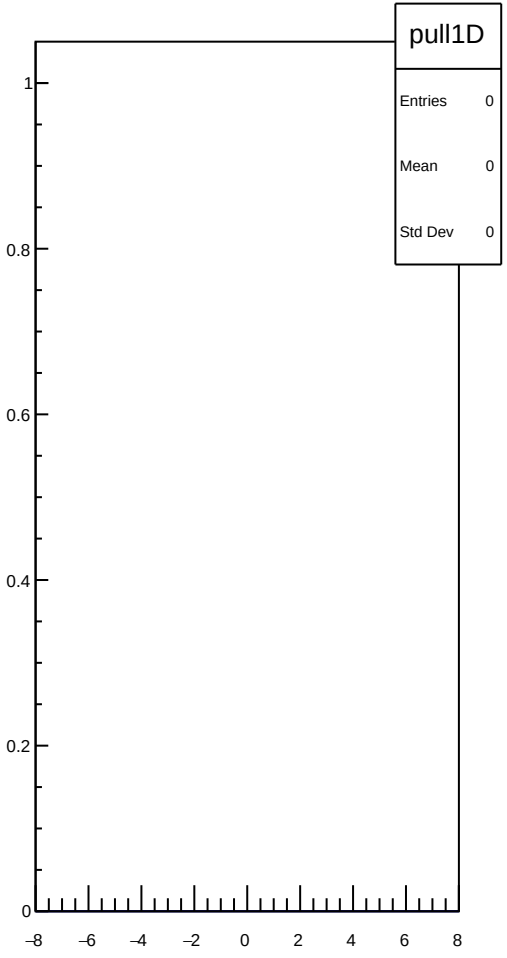

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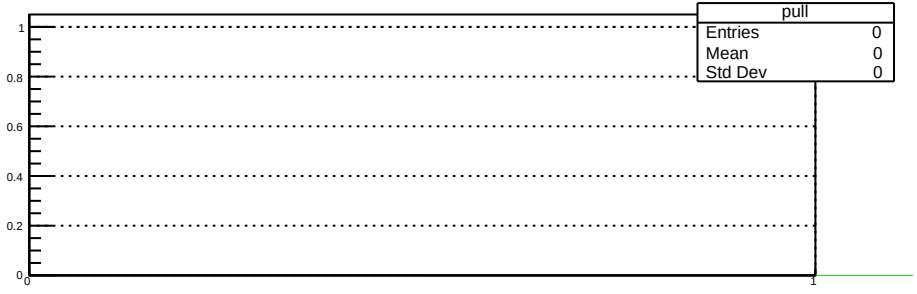

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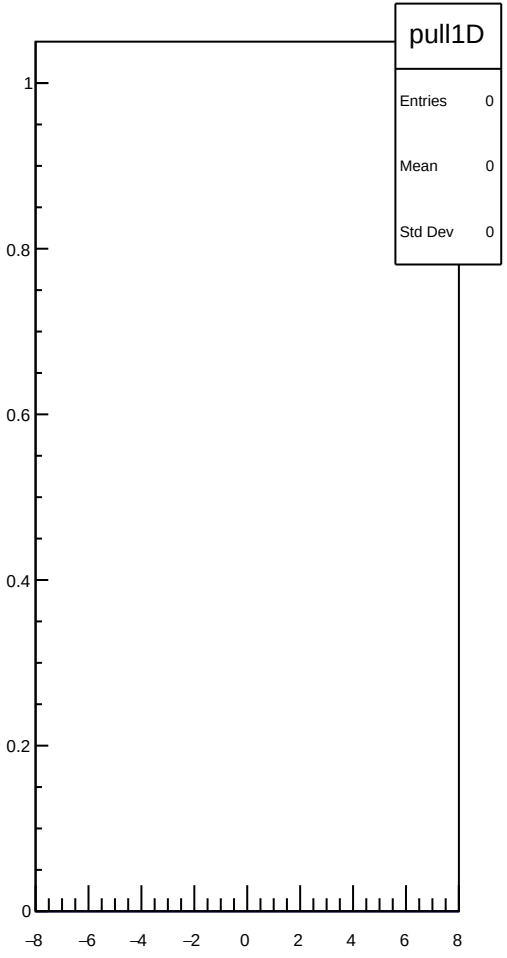

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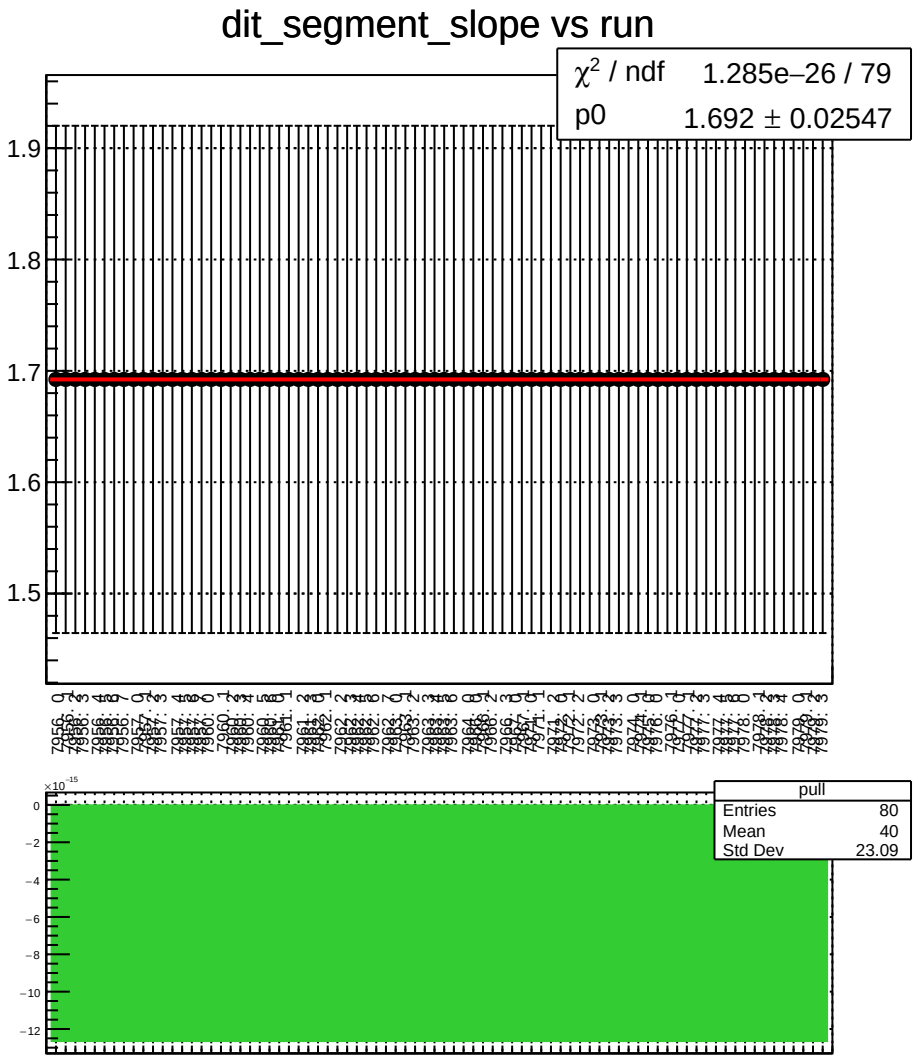

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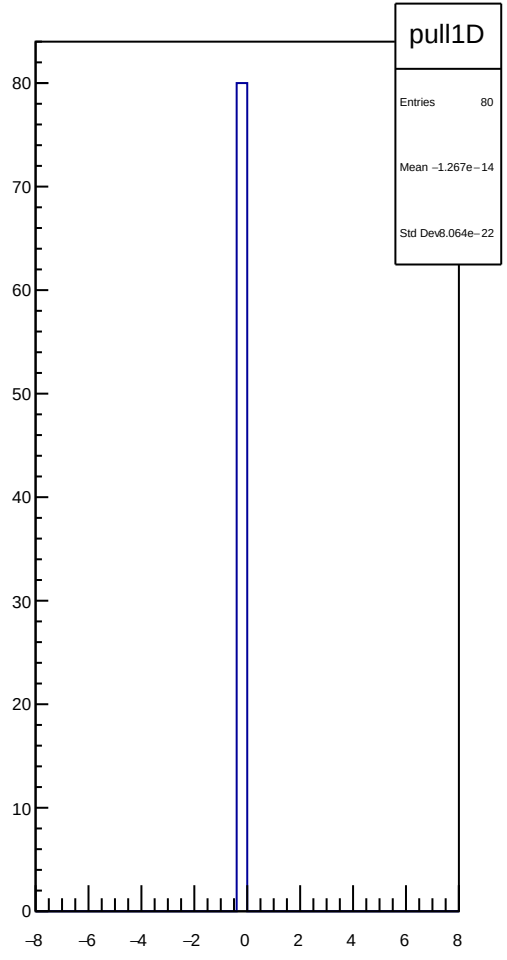

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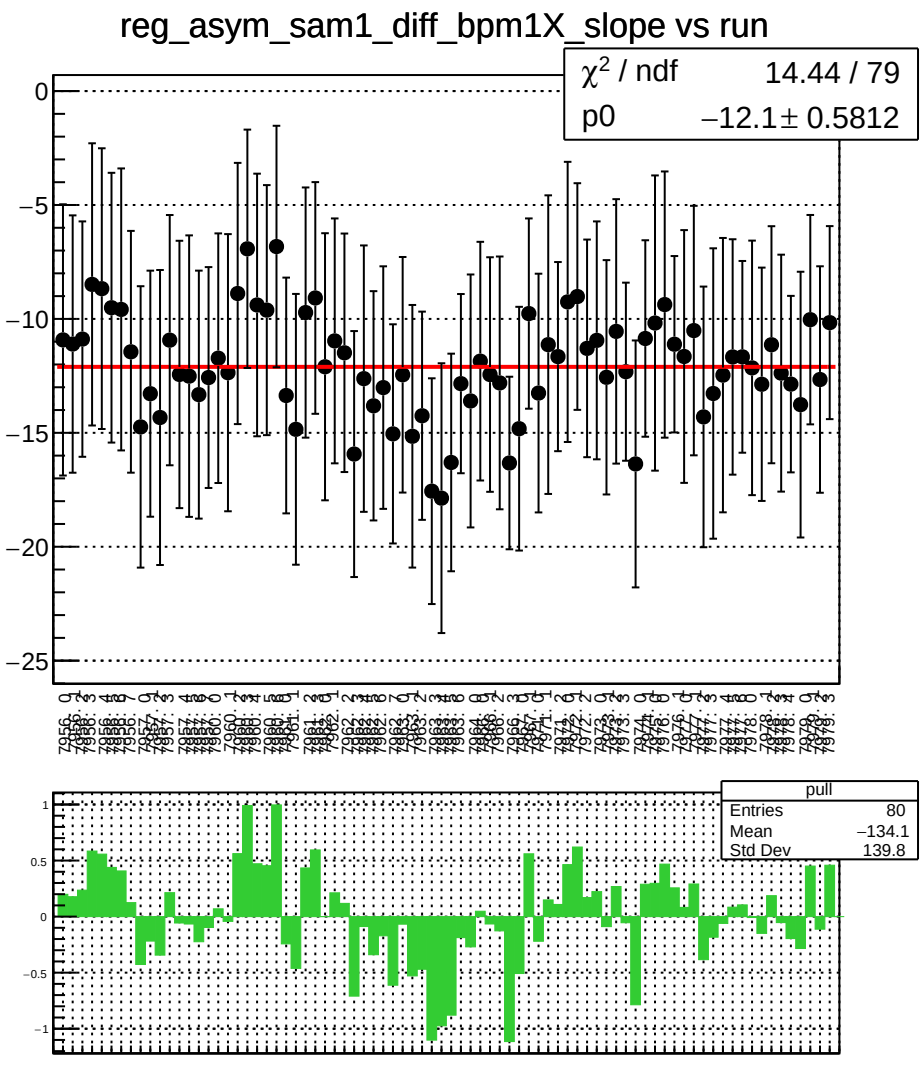

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

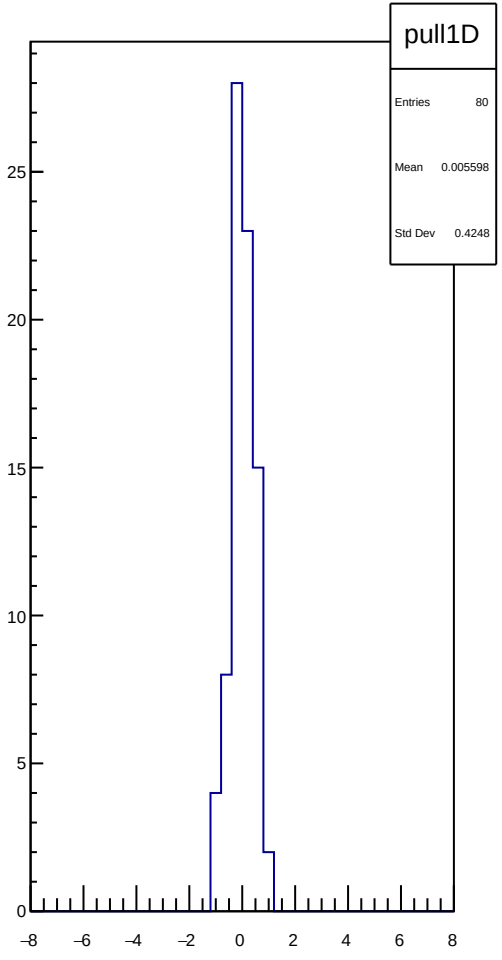

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

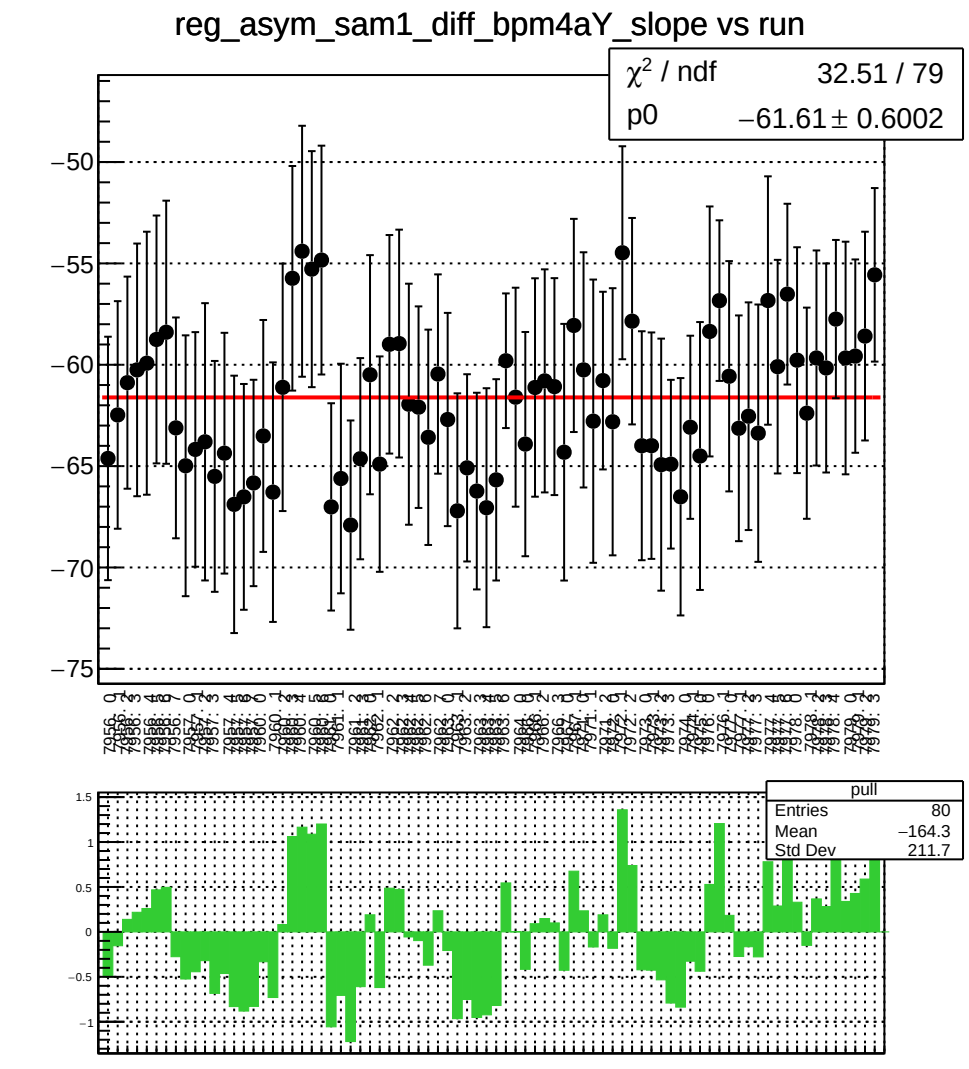

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

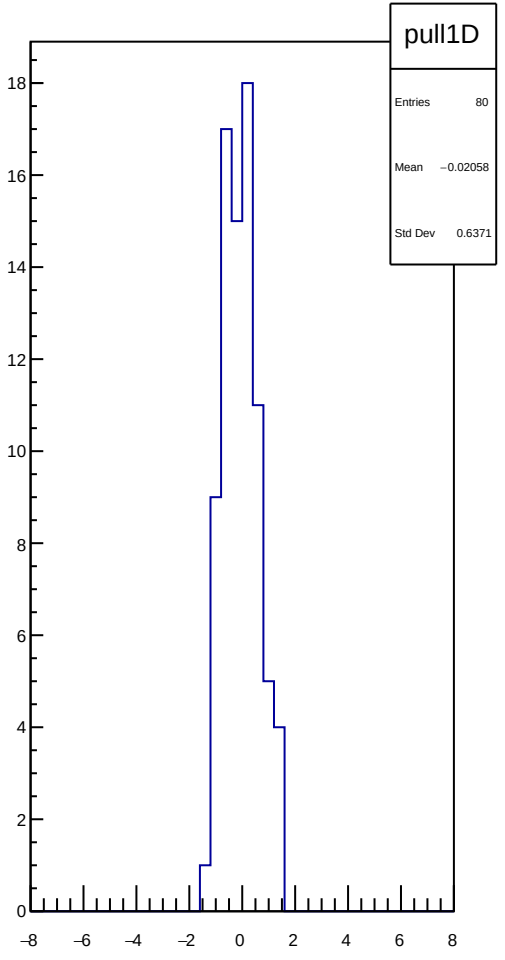

dit_segment_slope vs run
χ^2 / ndf 1.285e−26 / 79
p0 1.692 ± 0.02547
1.9
1.8
1.7
1.6
1.5
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

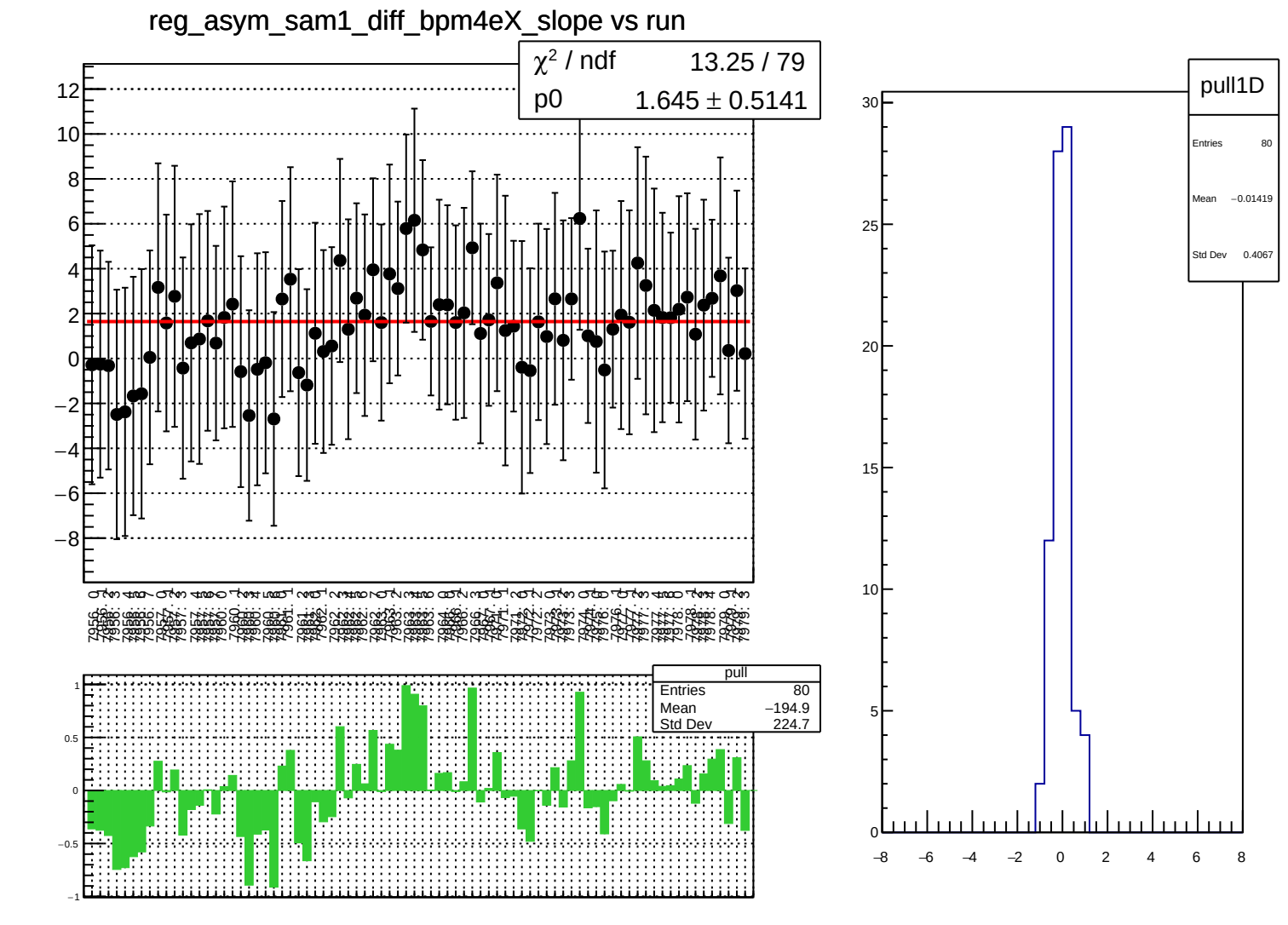

pull1D
Entries 80
Mean −1.267e−14
Std Dev 8.064e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

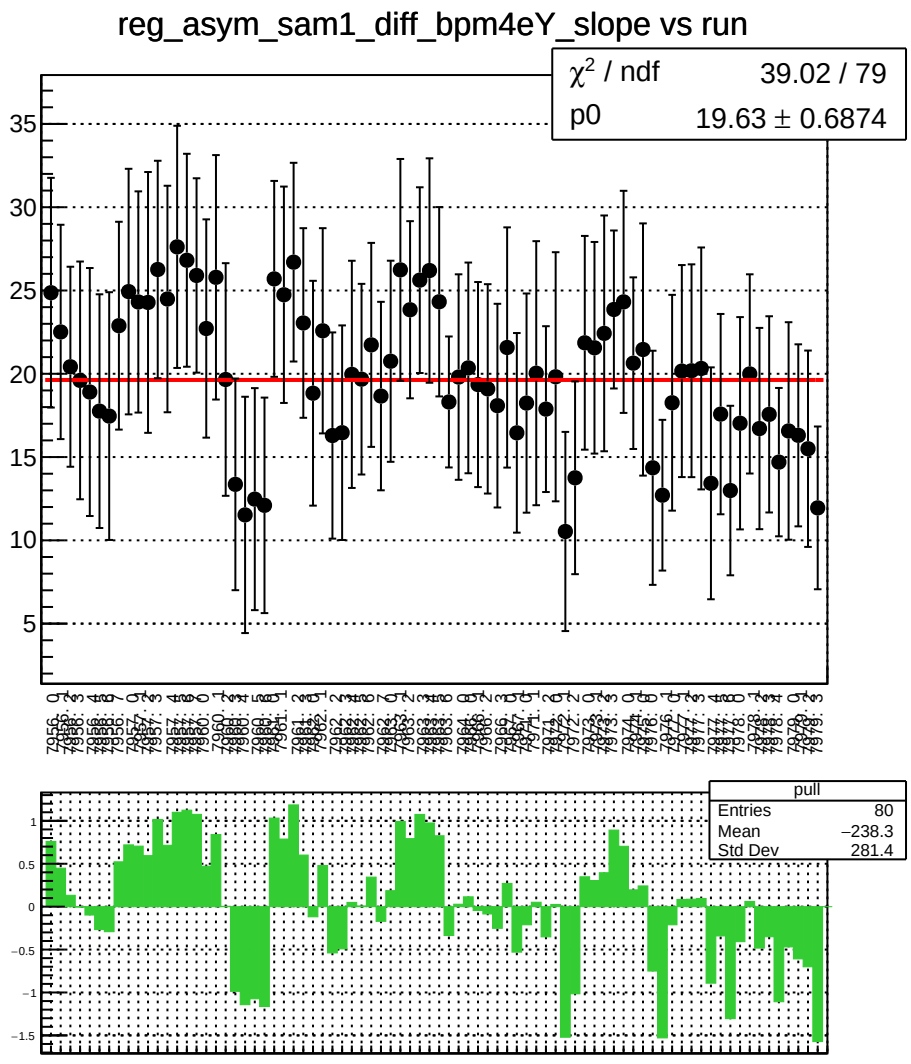

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 14.44 / 79
p0 −12.1 ± 0.5812
pull
Entries 80
Mean −134.1
Std Dev 139.8

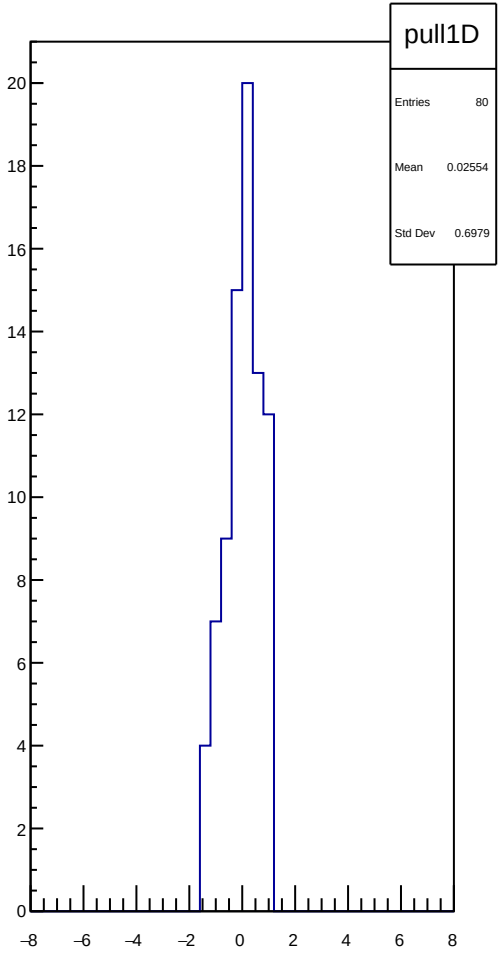

pull1D
Entries 80
Mean 0.005598
Std Dev 0.4248

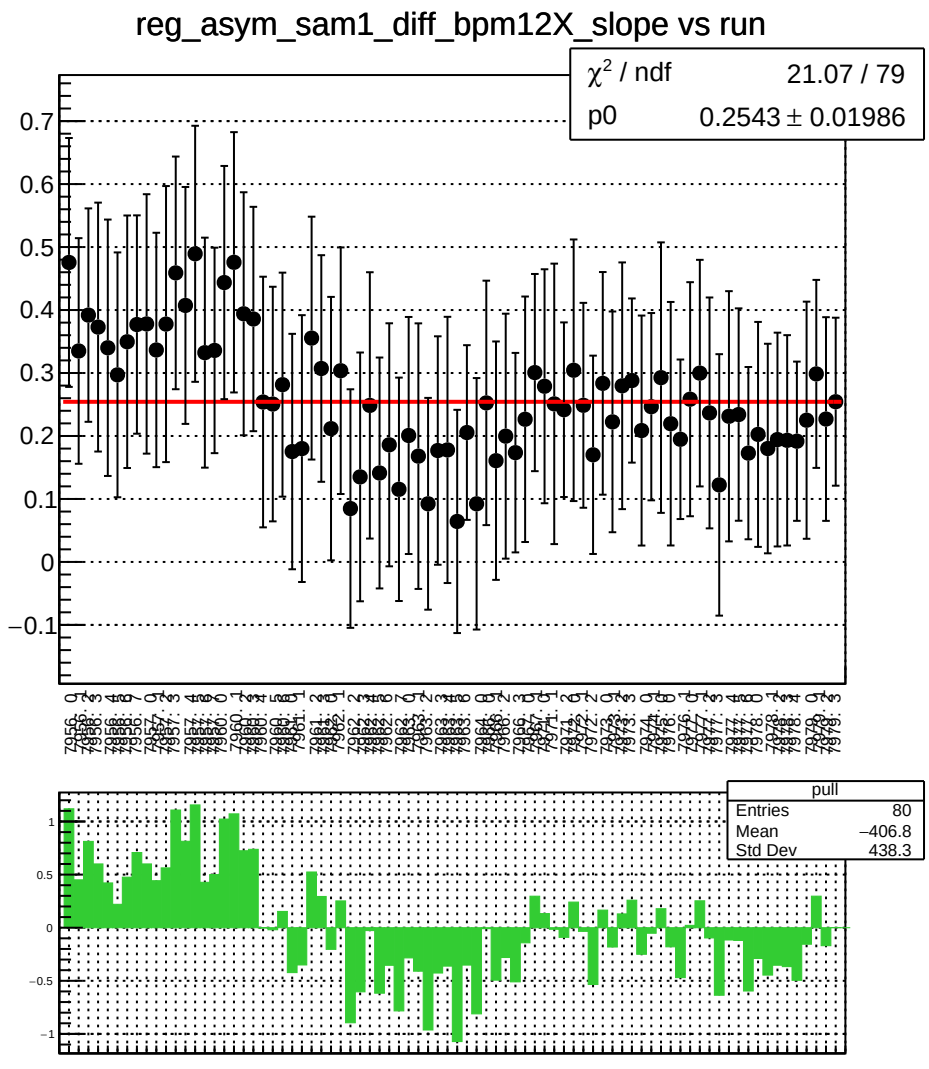

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 32.51 / 79
p0 −61.61 ± 0.6002
pull
Entries 80
Mean −164.3
Std Dev 211.7

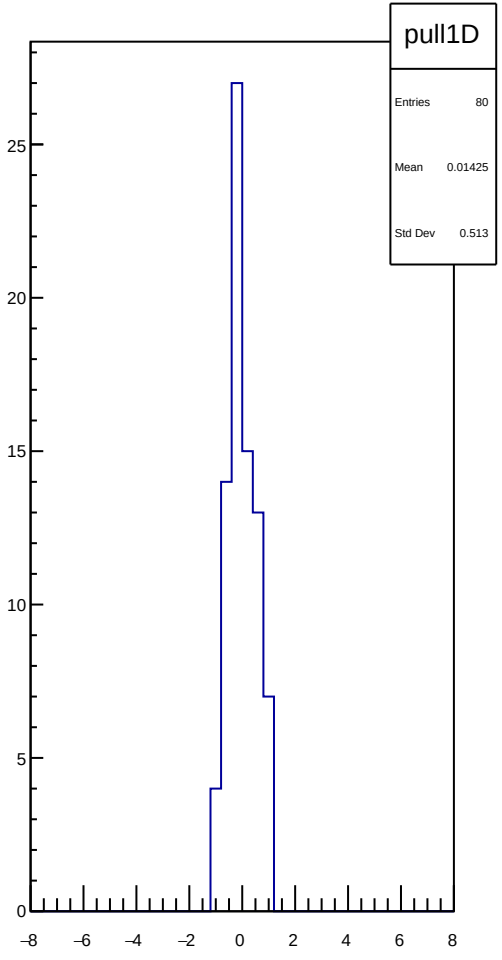

pull1D
Entries 80
Mean −0.02058
Std Dev 0.6371

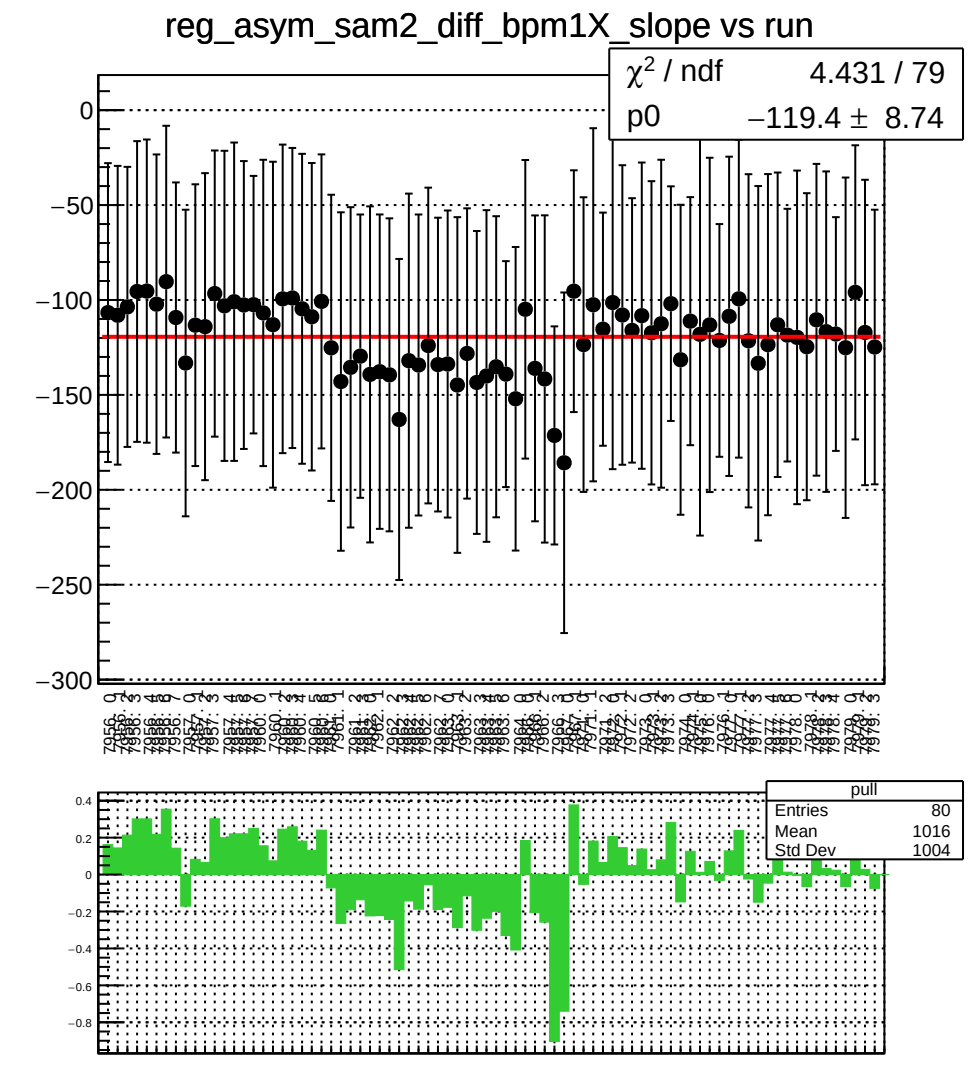

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 13.25 / 79
p0 1.645 ± 0.5141
pull
Entries 80
Mean −194.9
Std Dev 224.7
pull1D
Entries 80
Mean −0.01419
Std Dev 0.4067

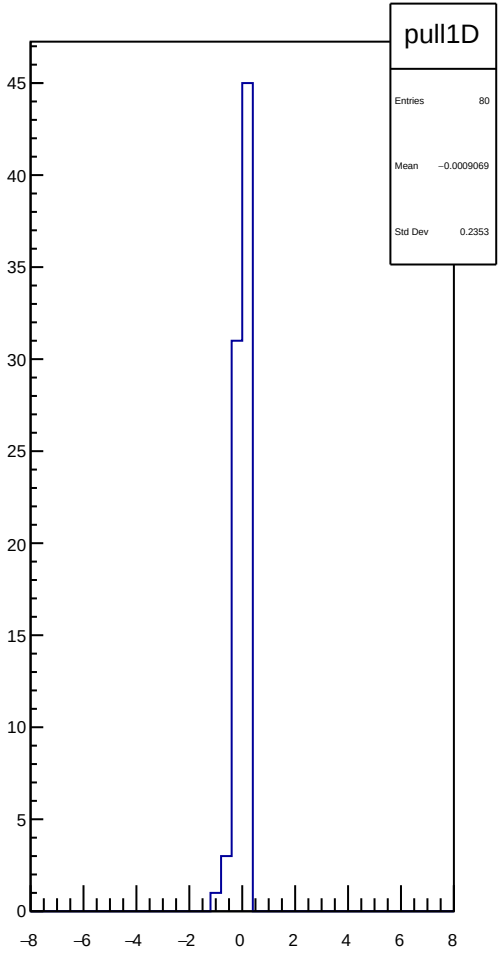

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 39.02 / 79
p0 19.63 ± 0.6874
pull
Entries 80
Mean −238.3
Std Dev 281.4

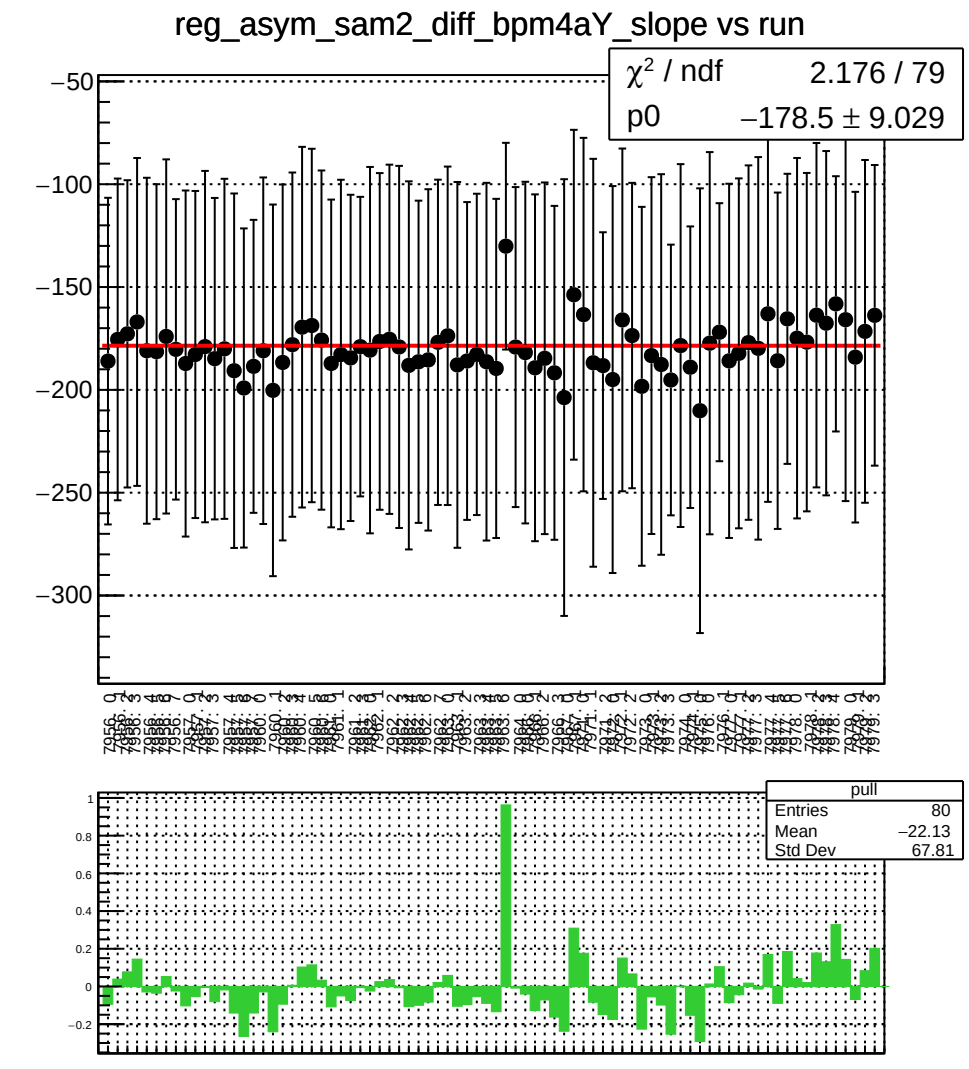

pull1D
Entries 80
Mean 0.02554
Std Dev 0.6979

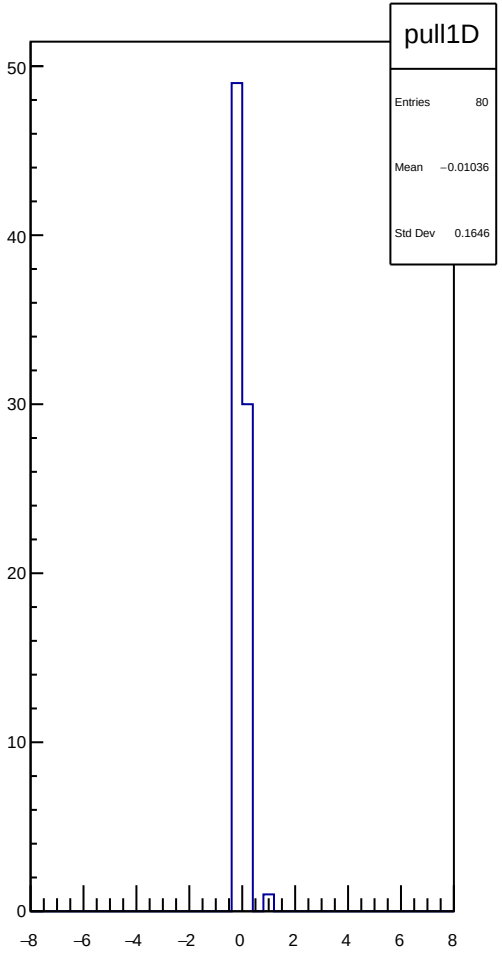

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 21.07 / 79
p0 0.2543 ± 0.01986
pull
Entries 80
Mean −406.8
Std Dev 438.3

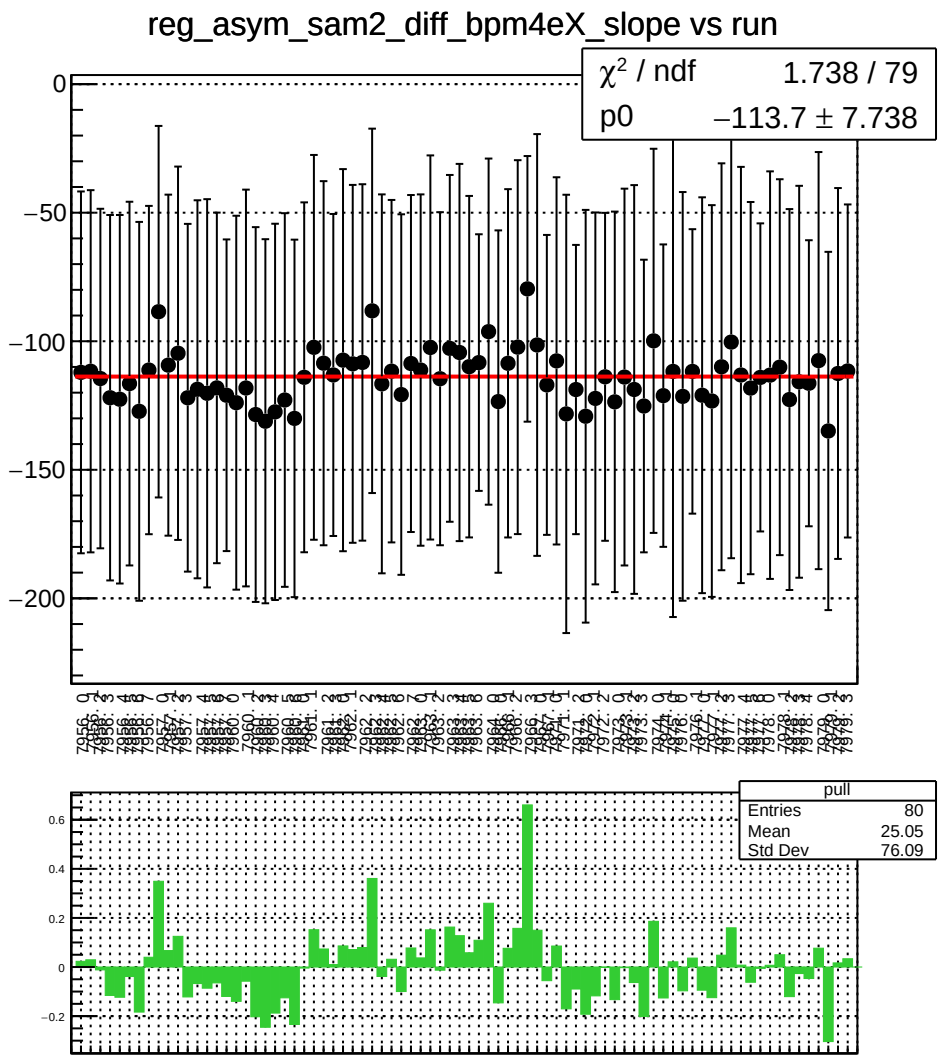

pull1D
Entries 80
Mean 0.01425
Std Dev 0.513

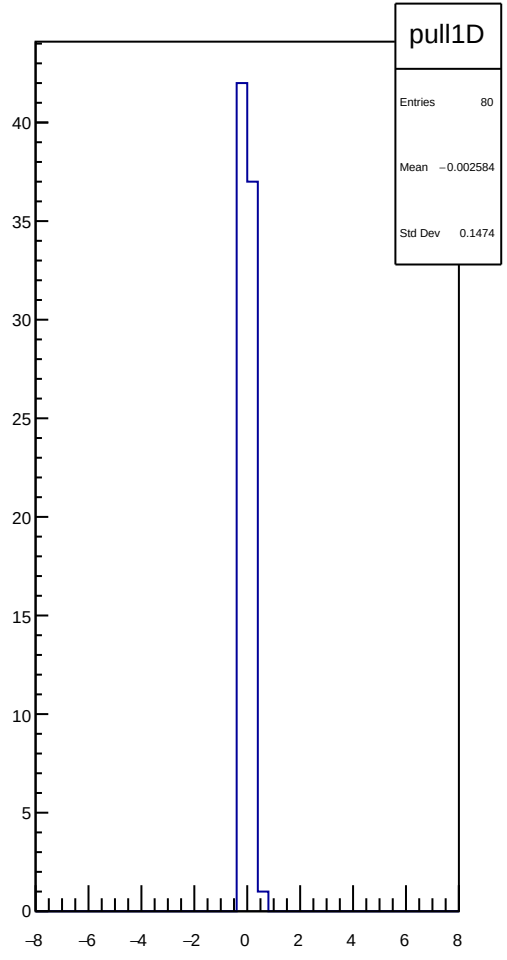

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 4.431 / 79
p0 −119.4 ± 8.74
pull
Entries 80
Mean 1016
Std Dev 1004

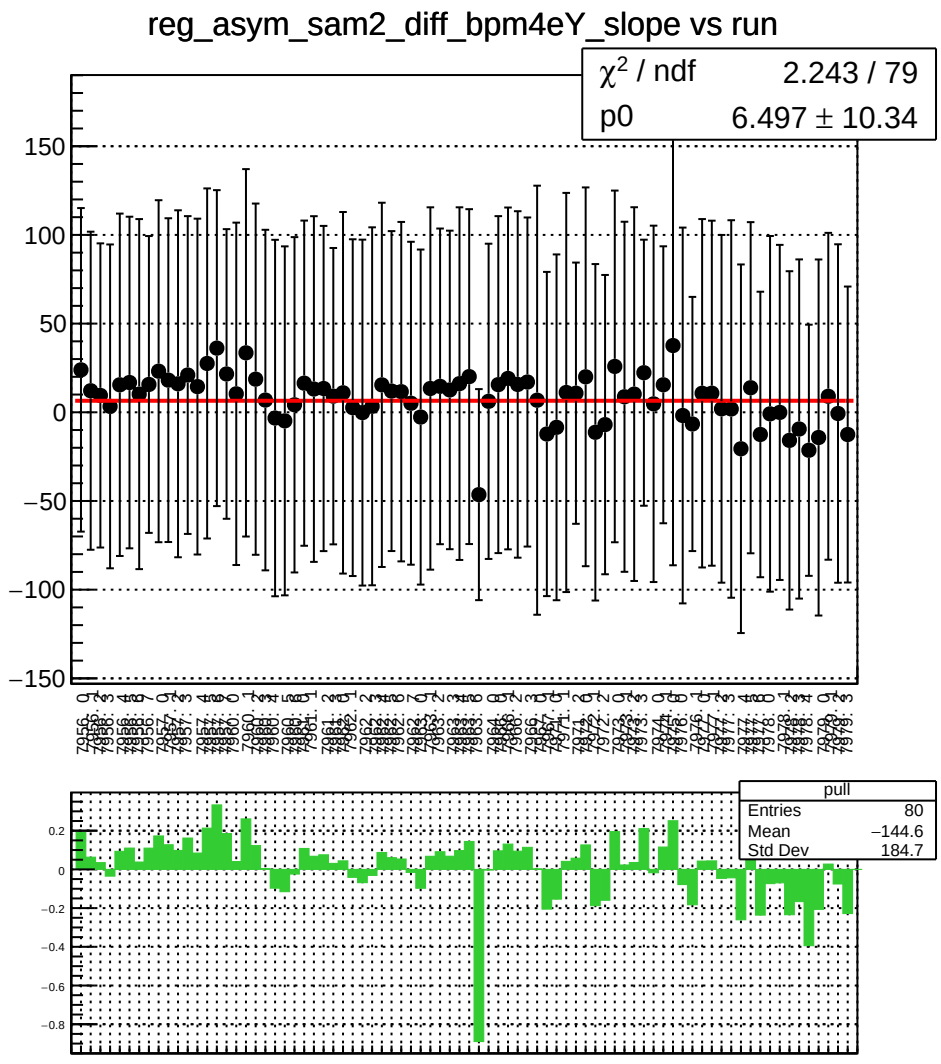

pull1D
Entries 80
Mean −0.0009069
Std Dev 0.2353

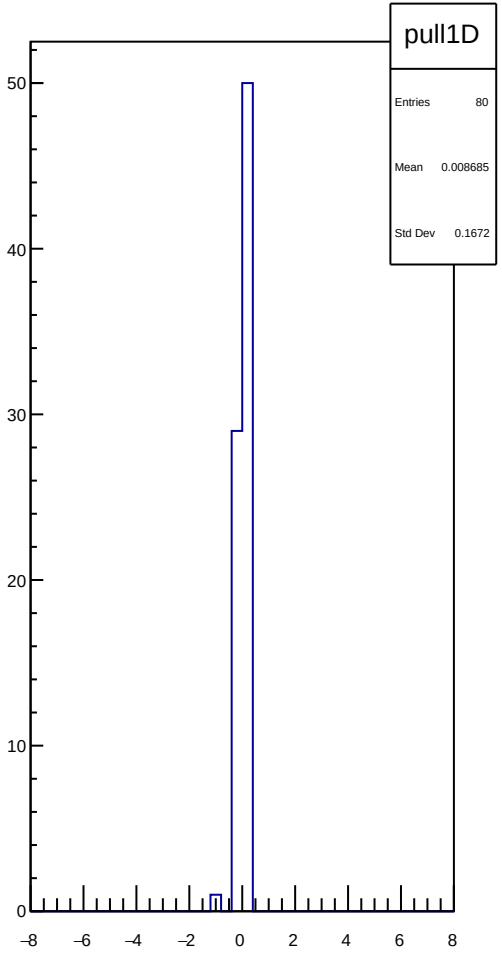

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.176 / 79
p0 −178.5 ± 9.029
pull
Entries 80
Mean −22.13
Std Dev 67.81

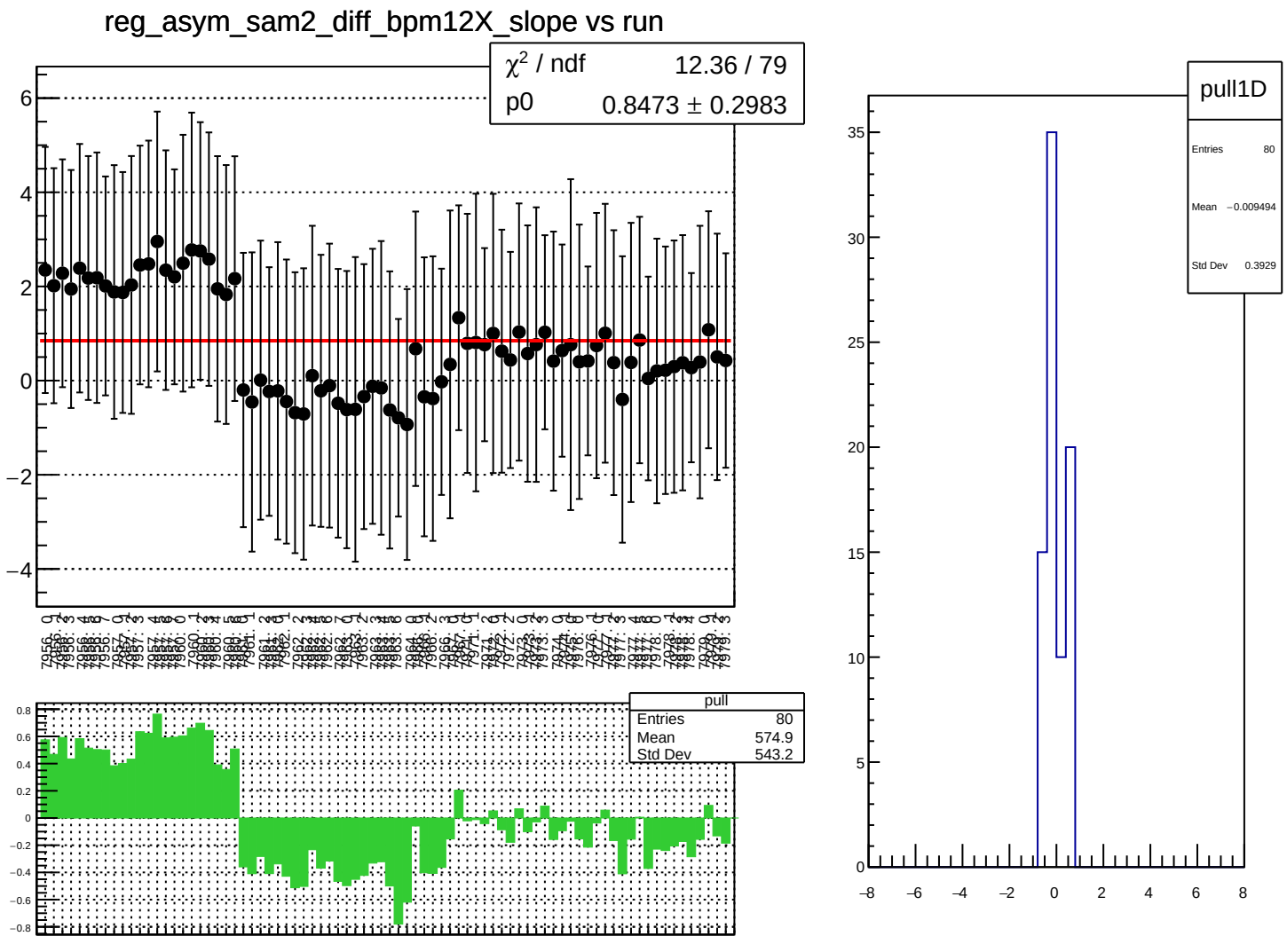

pull1D
Entries 80
Mean −0.01036
Std Dev 0.1646

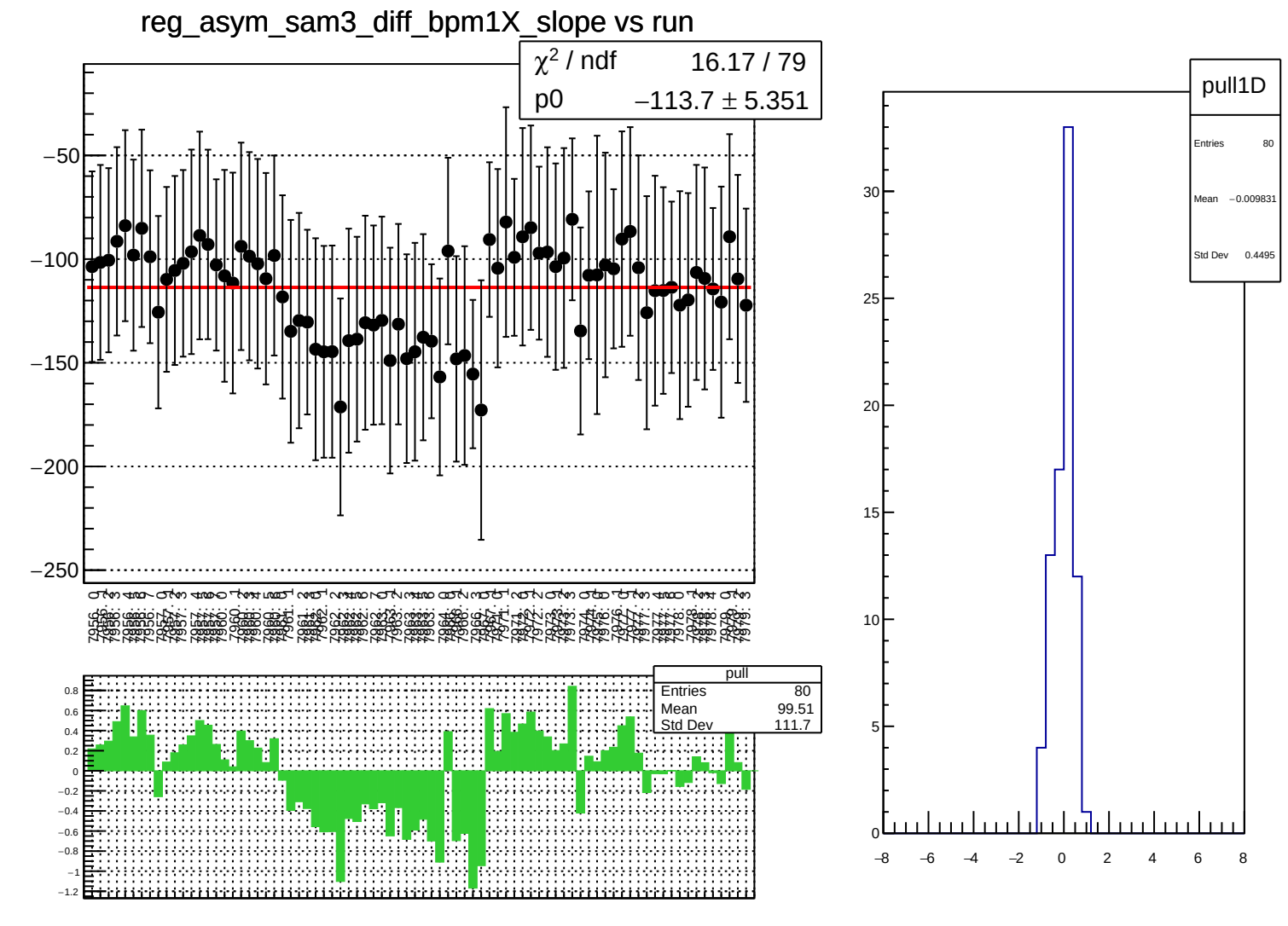

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.738 / 79
p0 −113.7 ± 7.738
pull
Entries 80
Mean 25.05
Std Dev 76.09

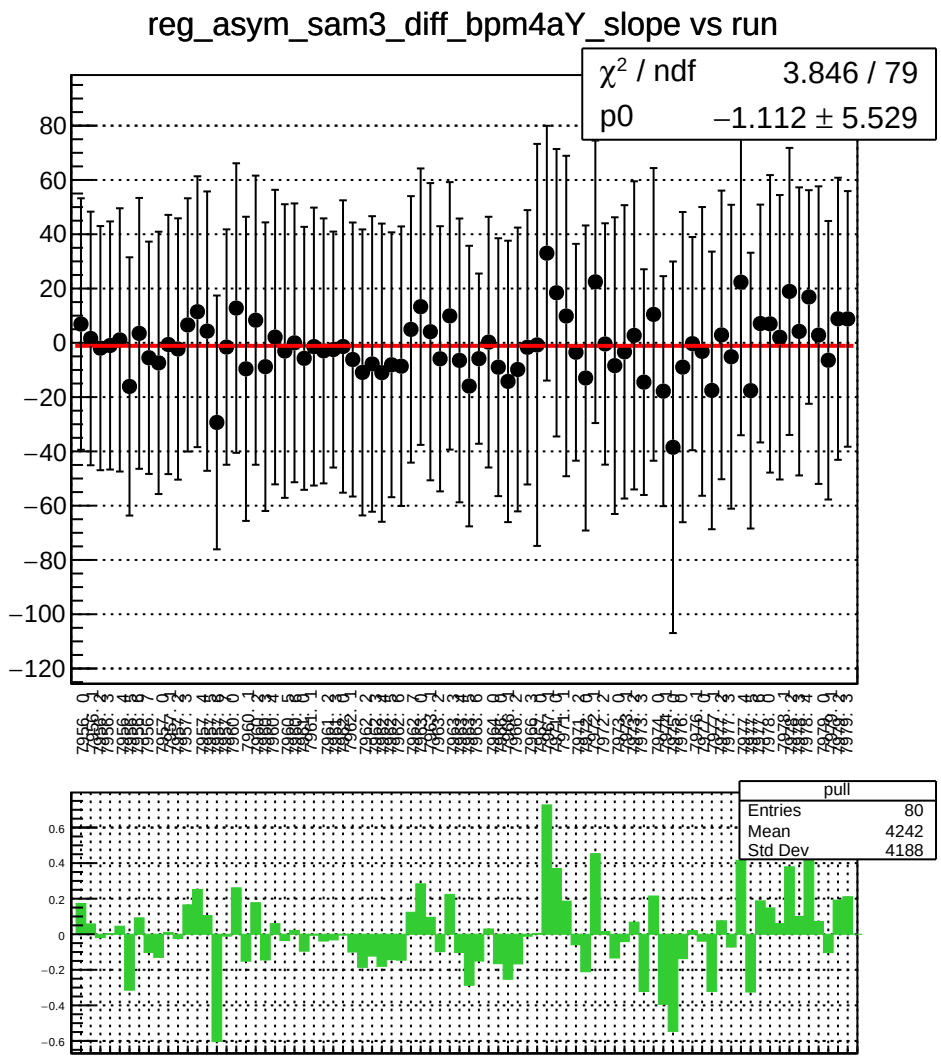

pull1D
Entries 80
Mean −0.002584
Std Dev 0.1474

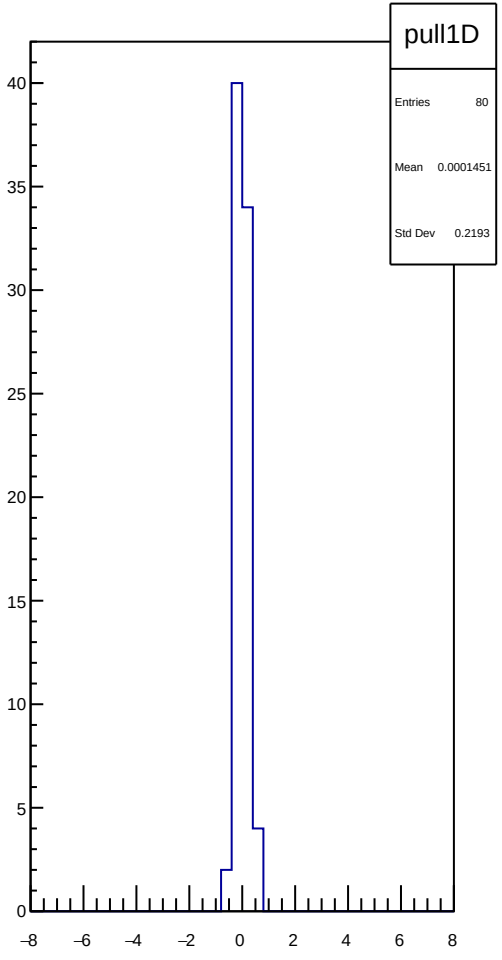

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 2.243 / 79
p0 6.497 ± 10.34
pull
Entries 80
Mean −144.6
Std Dev 184.7

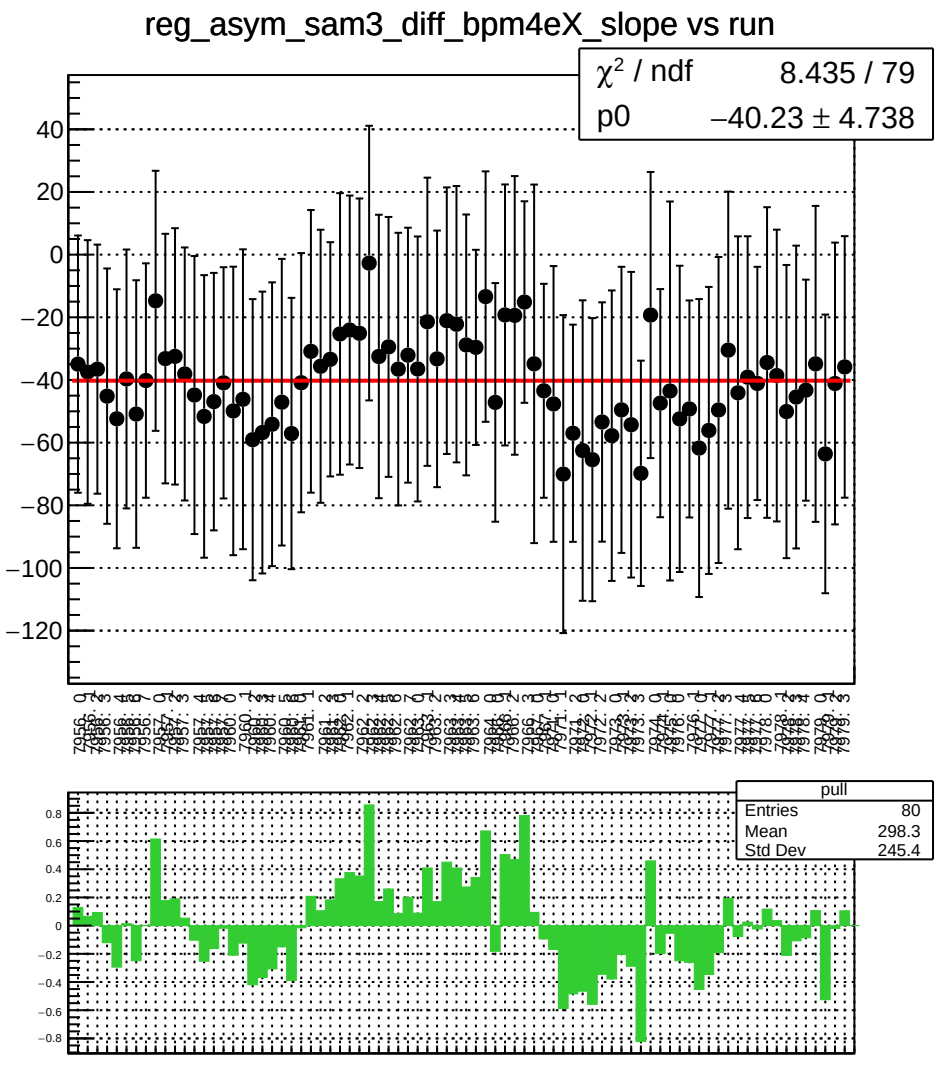

pull1D
Entries 80
Mean 0.008685
Std Dev 0.1672

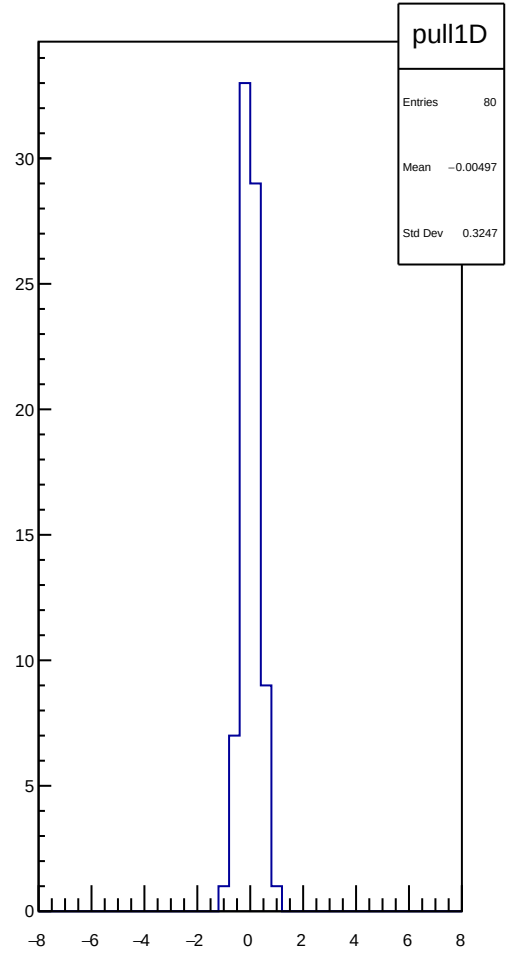

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 12.36 / 79
p0 0.8473 ± 0.2983
pull
Entries 80
Mean 574.9
Std Dev 543.2
pull1D
Entries 80
Mean −0.009494
Std Dev 0.3929

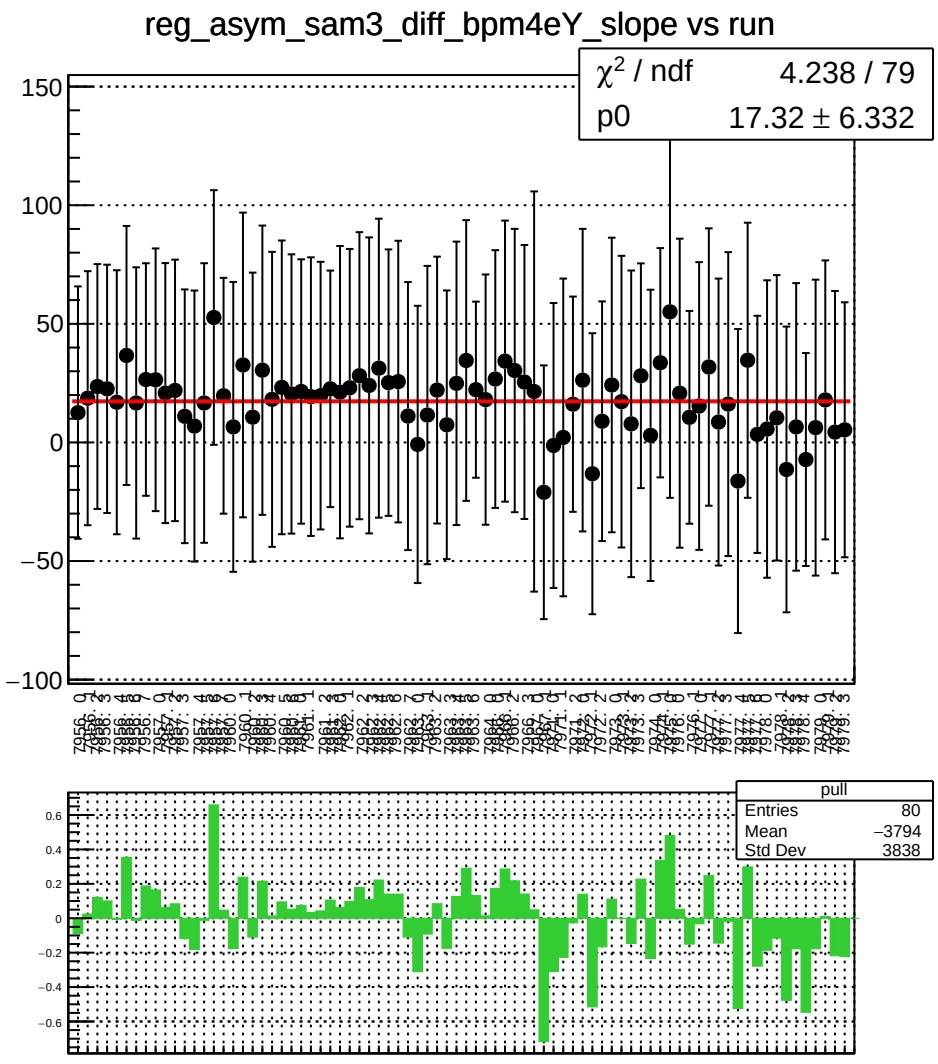

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 16.17 / 79
p0 −113.7 ± 5.351
pull
Entries 80
Mean 99.51
Std Dev 111.7
pull1D
Entries 80
Mean −0.009831
Std Dev 0.4495

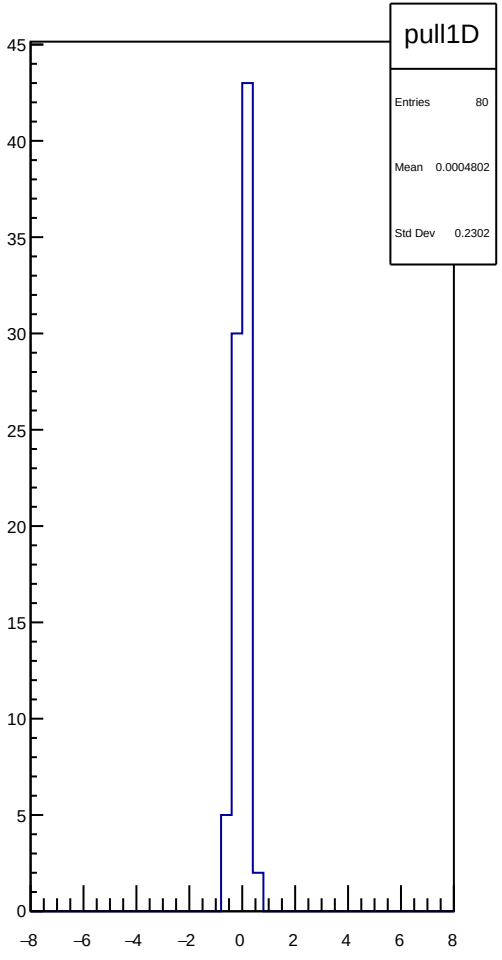

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.846 / 79
p0 −1.112 ± 5.529
pull
Entries 80
Mean 4242
Std Dev 4188

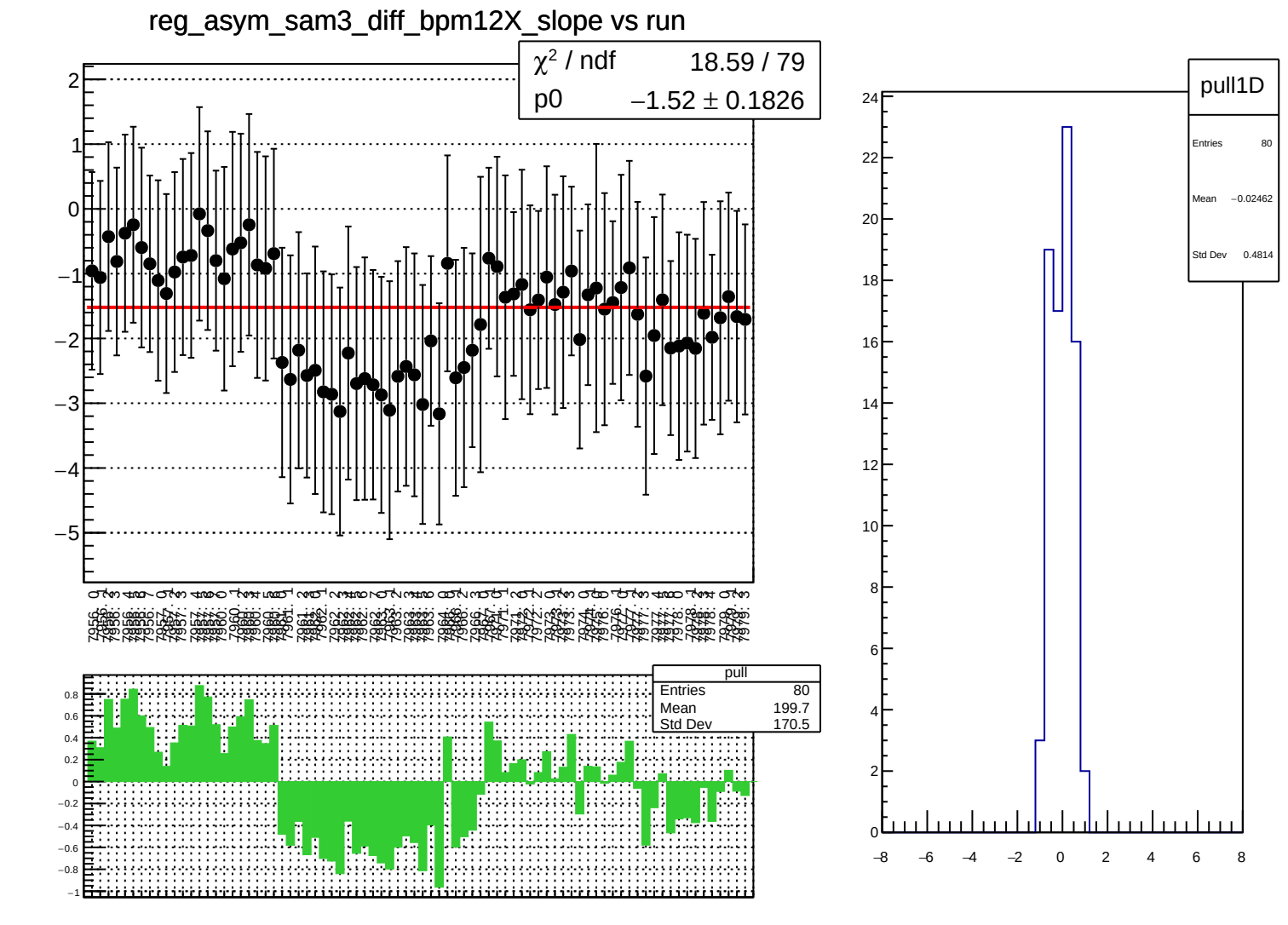

pull1D
Entries 80
Mean 0.0001451
Std Dev 0.2193

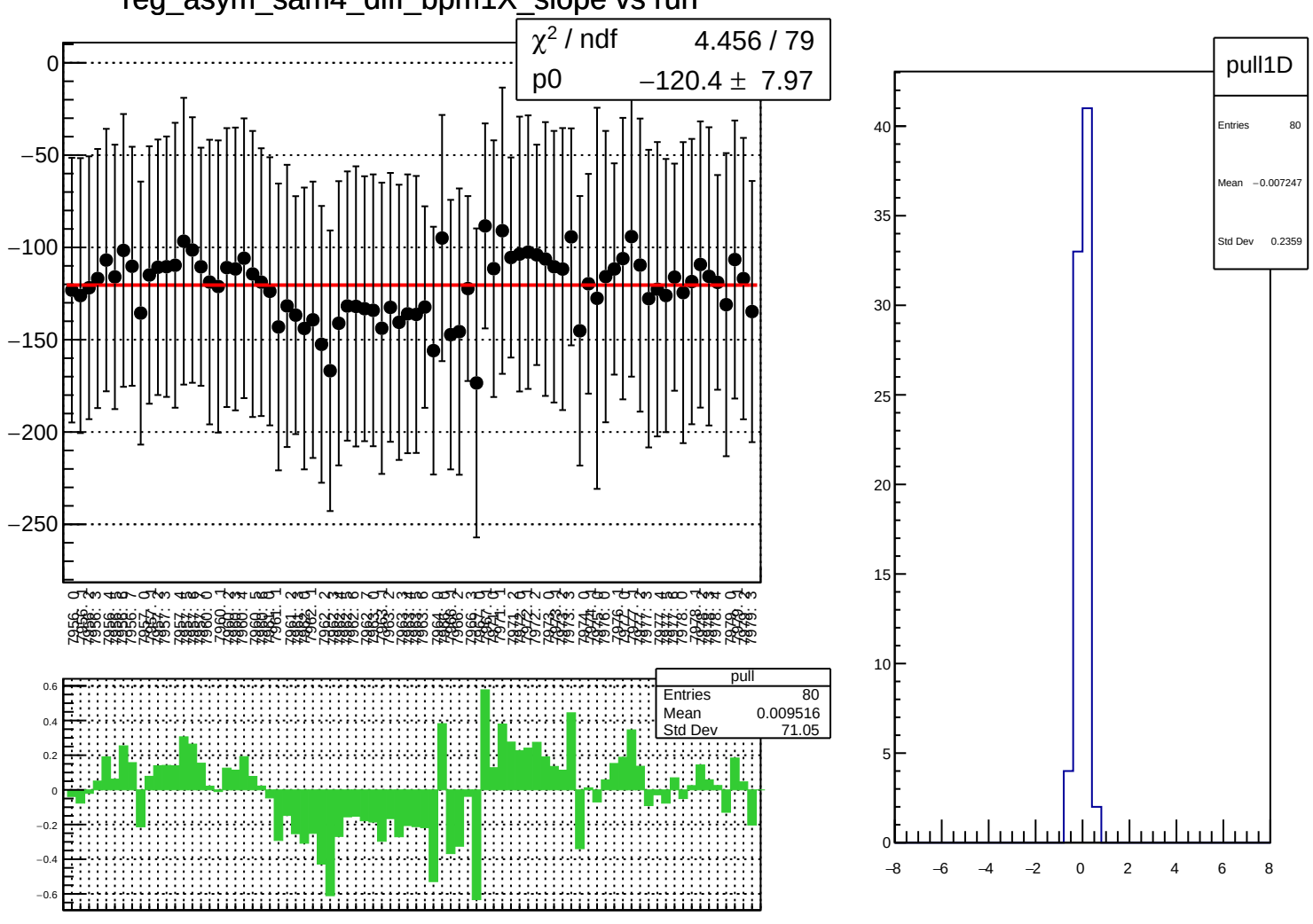

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 8.435 / 79
p0 −40.23 ± 4.738
pull
Entries 80
Mean 298.3
Std Dev 245.4

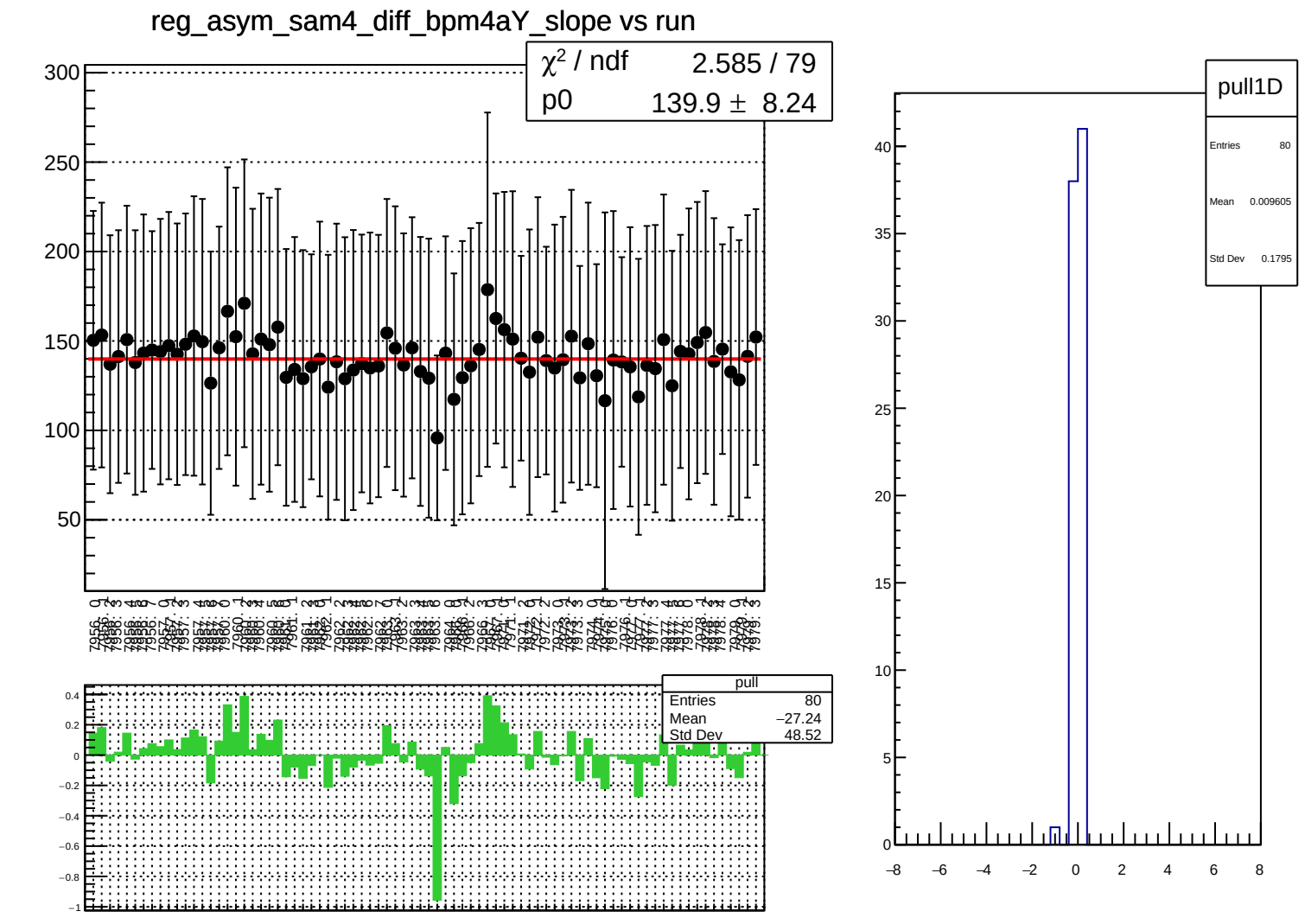

pull1D
Entries 80
Mean −0.00497
Std Dev 0.3247

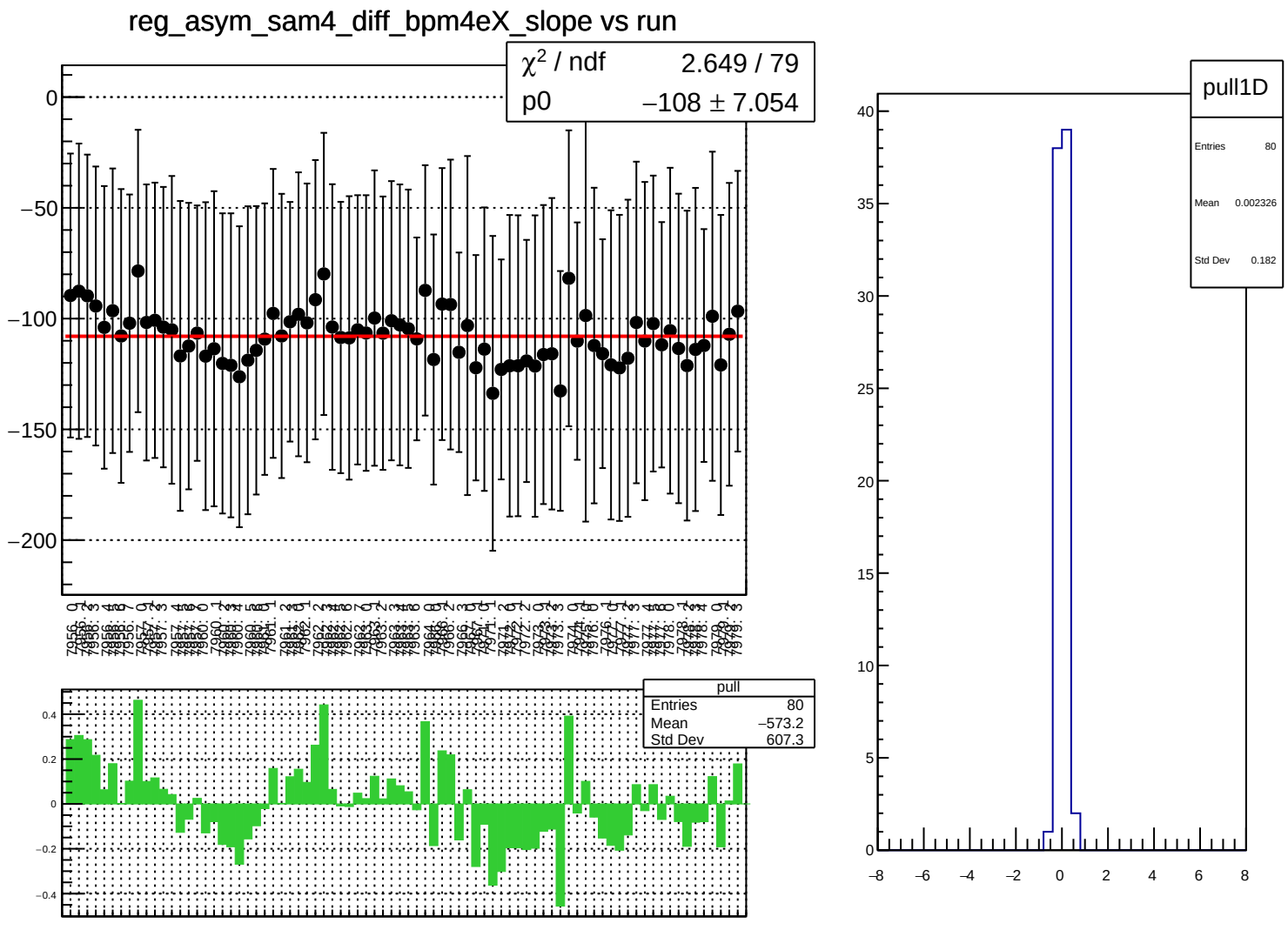

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.238 / 79
p0 17.32 ± 6.332
pull
Entries 80
Mean −3794
Std Dev 3838

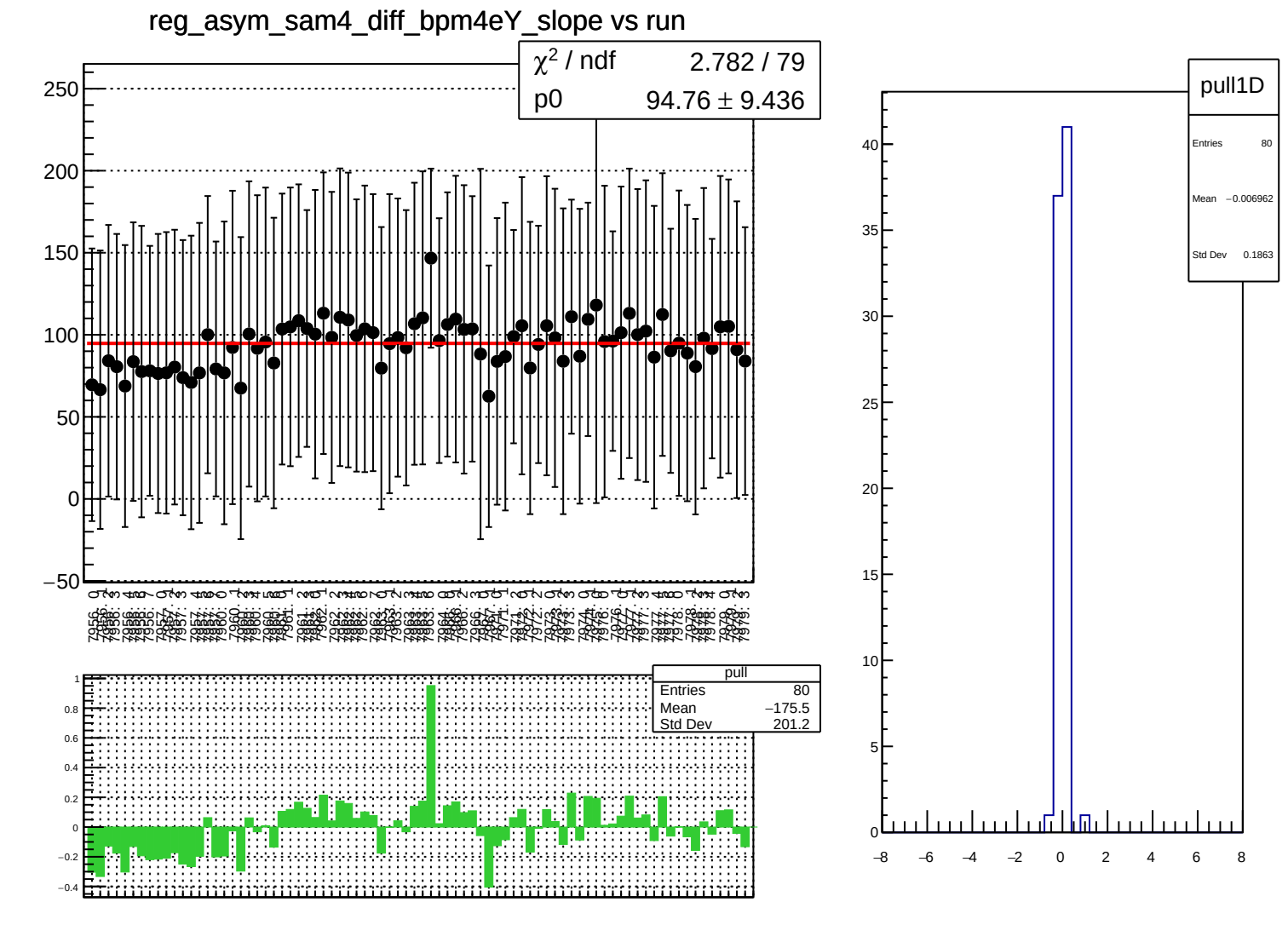

pull1D
Entries 80
Mean 0.0004802
Std Dev 0.2302

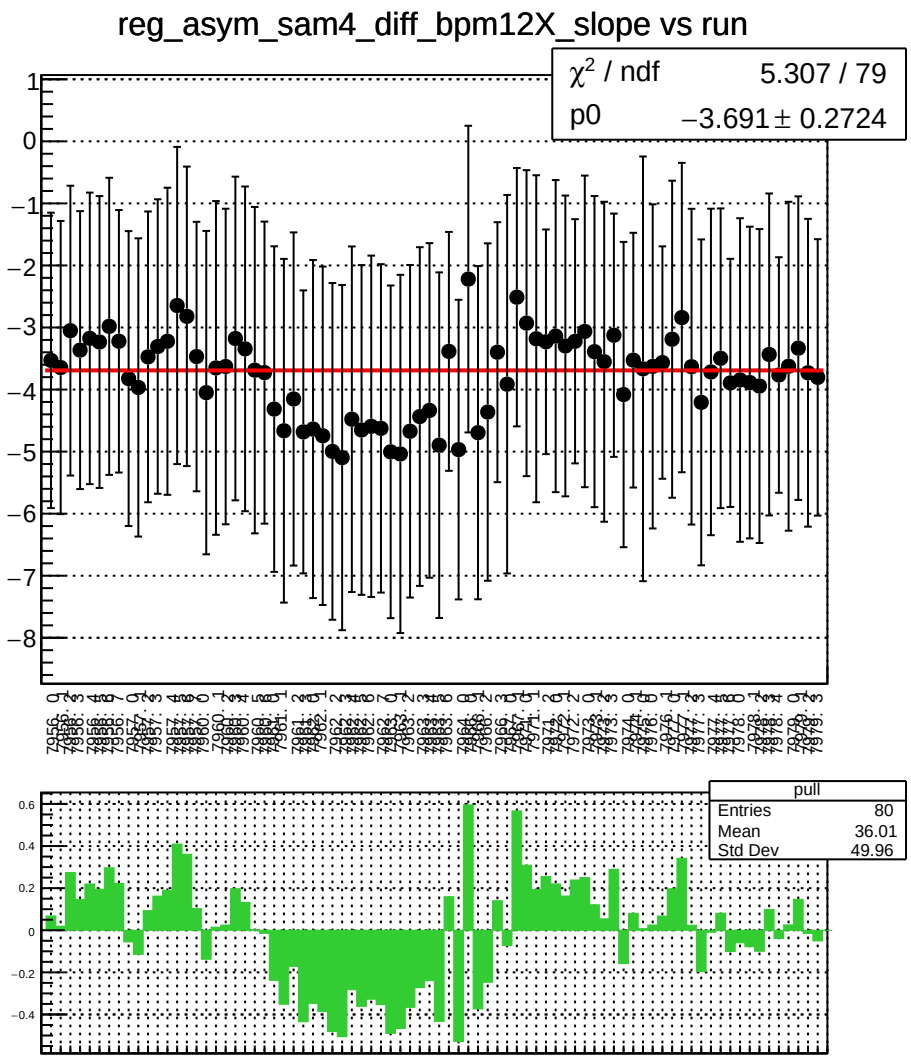

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 18.59 / 79
p0 −1.52 ± 0.1826
pull
Entries 80
Mean 199.7
Std Dev 170.5
pull1D
Entries 80
Mean −0.02462
Std Dev 0.4814

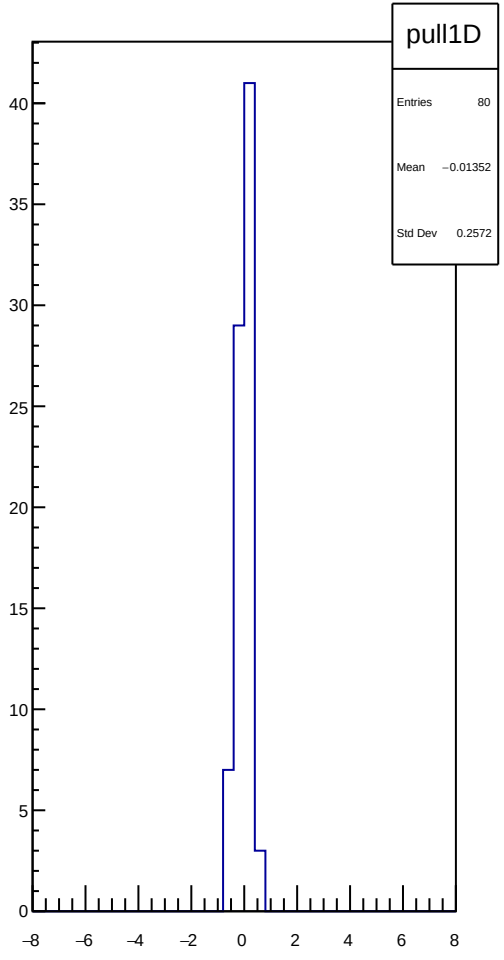

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.456 / 79
p0 −120.4 ± 7.97
pull
Entries 80
Mean 0.009516
Std Dev 71.05
pull1D
Entries 80
Mean −0.007247
Std Dev 0.2359

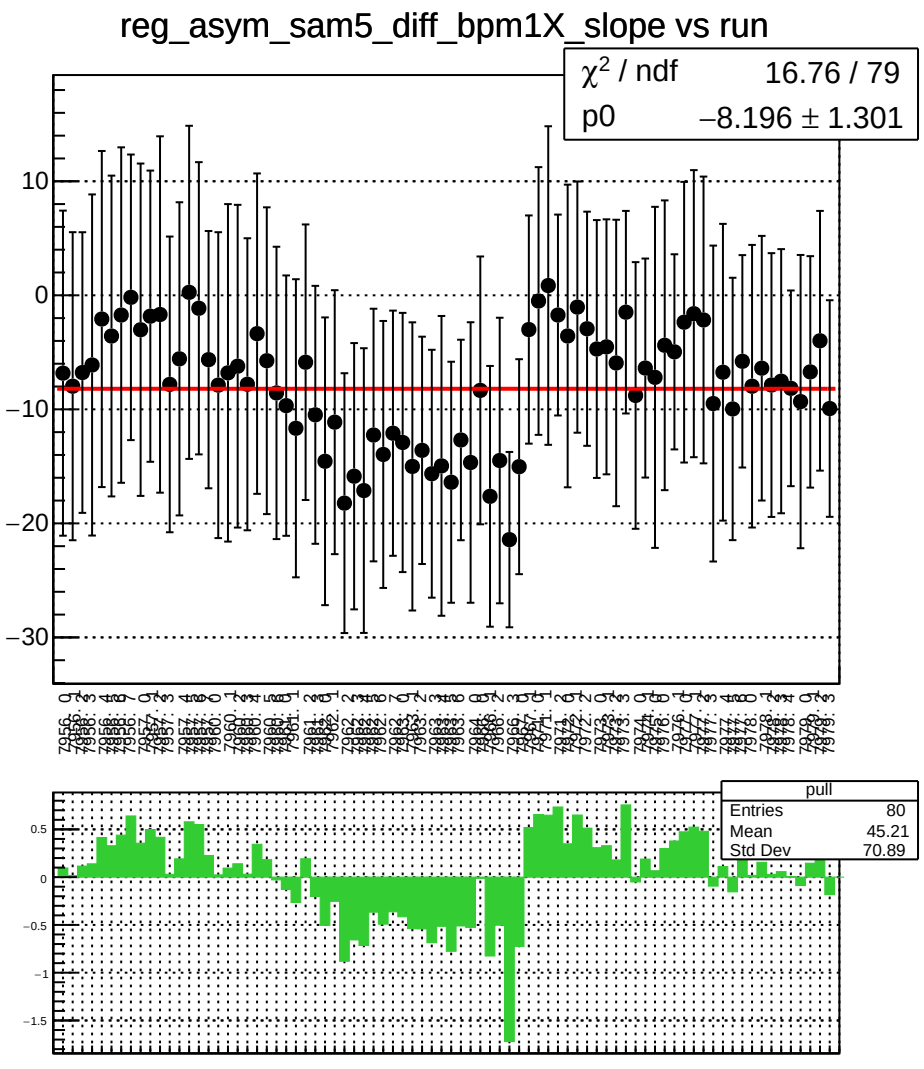

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 2.585 / 79
p0 139.9 ± 8.24
pull
Entries 80
Mean −27.24
Std Dev 48.52
pull1D
Entries 80
Mean 0.009605
Std Dev 0.1795

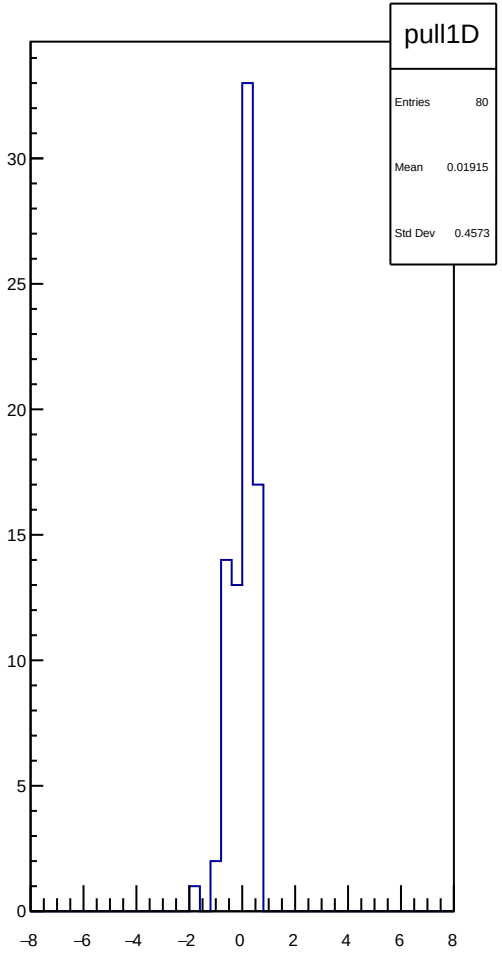

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 2.649 / 79
p0 −108 ± 7.054
0
−50
−100
−150
−200
pull
Entries 80
Mean −573.2
Std Dev 607.3
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 80
Mean 0.002326
Std Dev 0.182
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

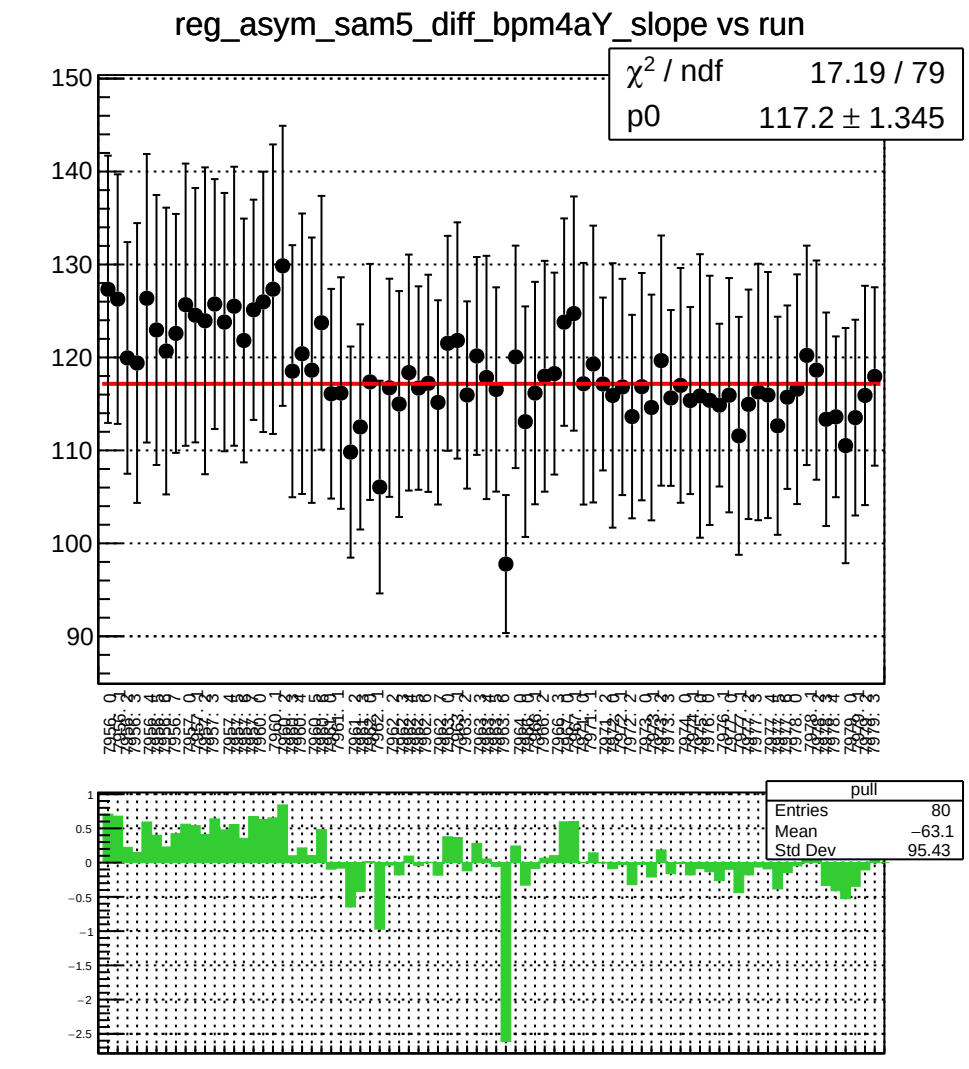

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.782 / 79
p0 94.76 ± 9.436
pull
Entries 80
Mean −175.5
Std Dev 201.2
pull1D
Entries 80
Mean −0.006962
Std Dev 0.1863

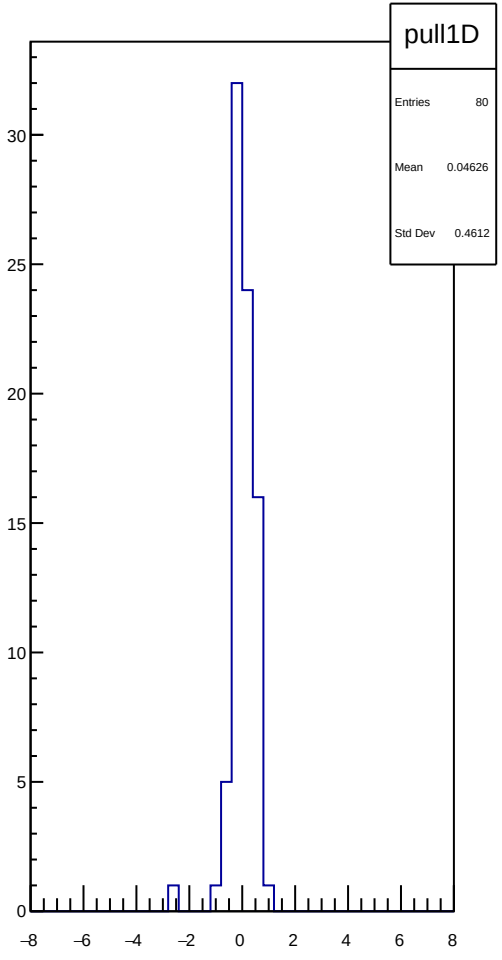

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 5.307 / 79
p0 −3.691 ± 0.2724
pull
Entries 80
Mean 36.01
Std Dev 49.96

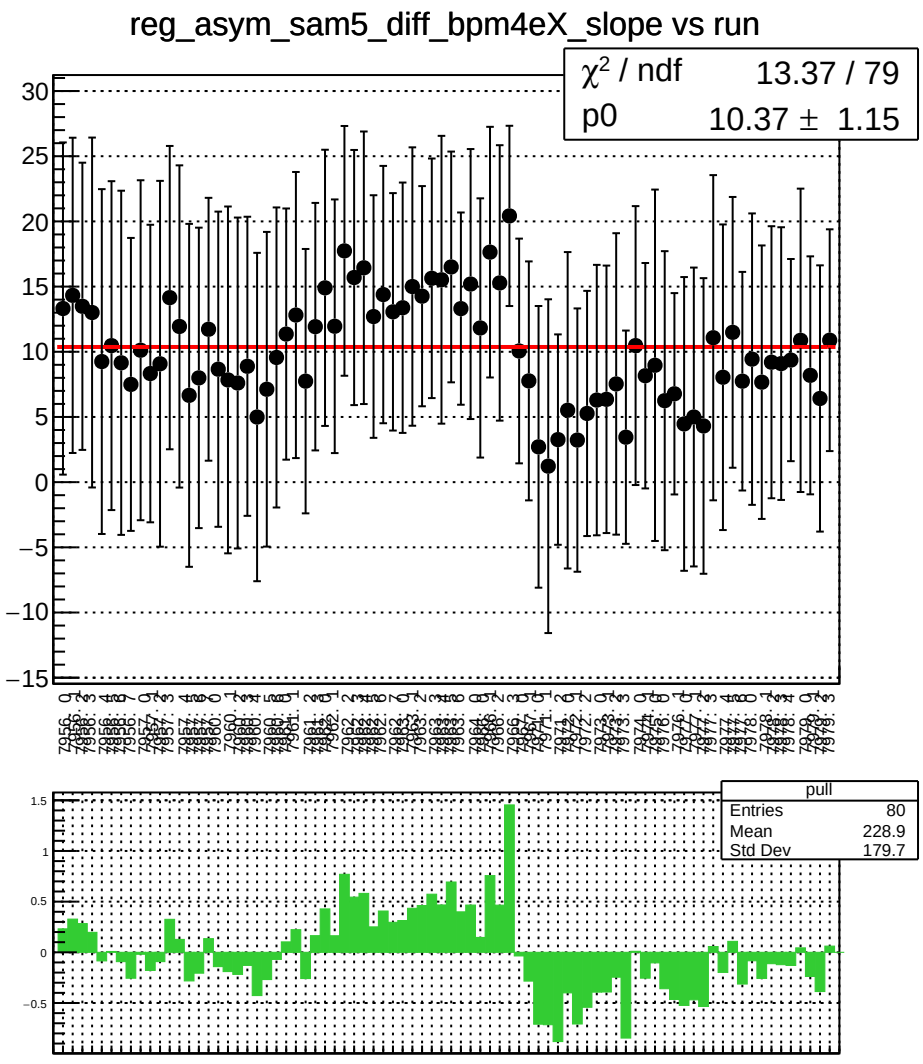

pull1D
Entries 80
Mean −0.01352
Std Dev 0.2572

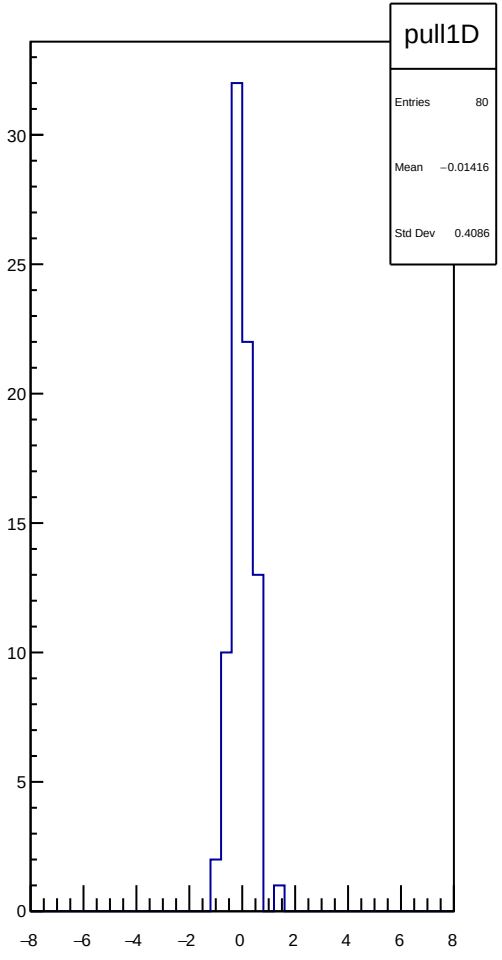

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 16.76 / 79
p0 −8.196 ± 1.301
pull
Entries 80
Mean 45.21
Std Dev 70.89

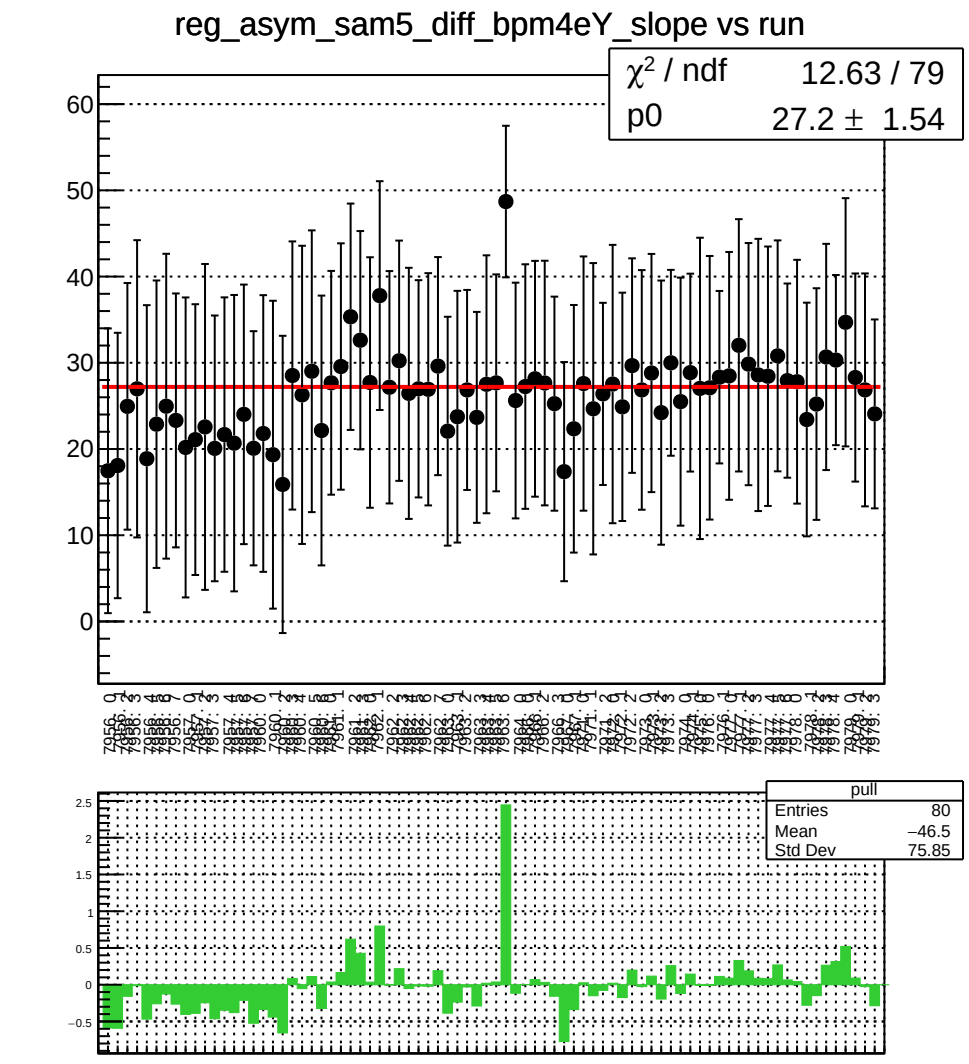

pull1D
Entries 80
Mean 0.01915
Std Dev 0.4573

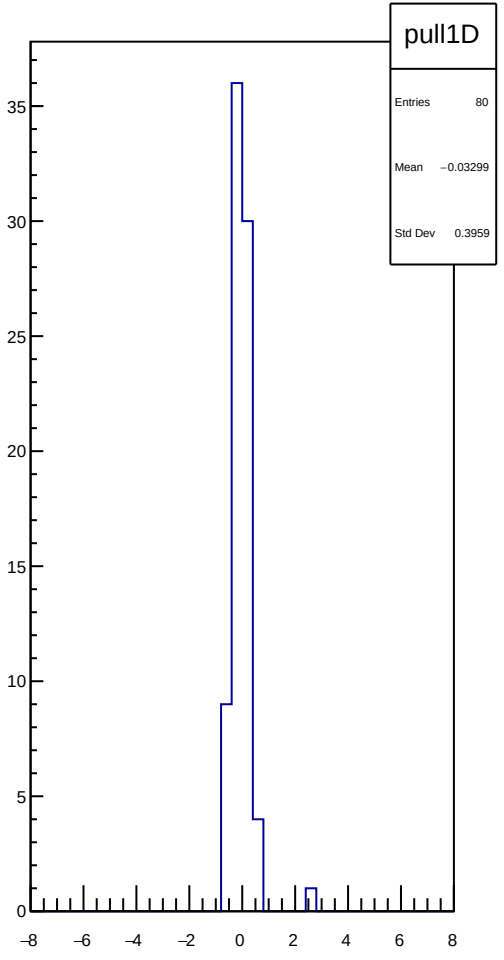

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 17.19 / 79
p0 117.2 ± 1.345
150
140
130
120
110
100
90
pull
Entries 80
Mean −63.1
Std Dev 95.43
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

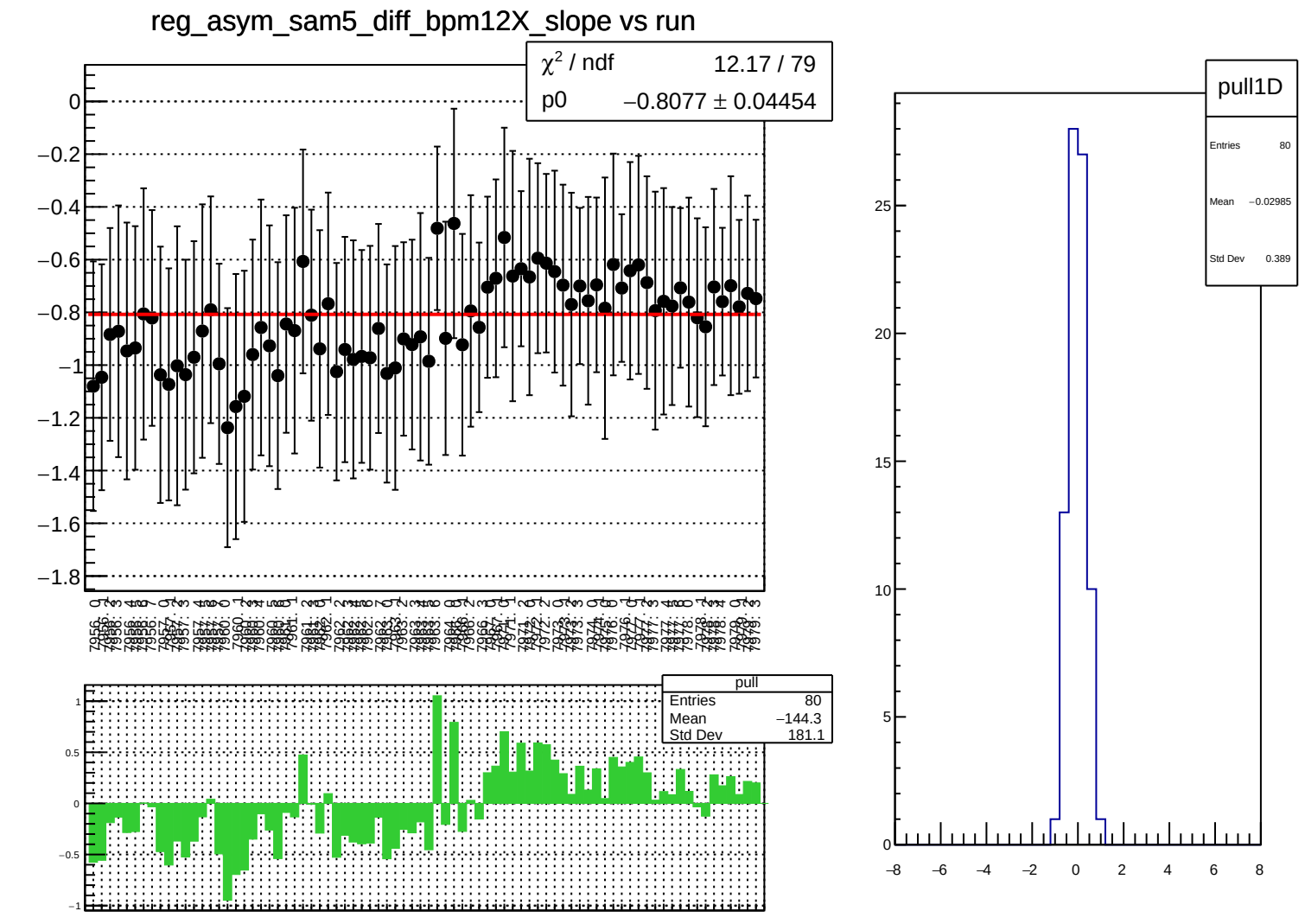

pull1D
Entries 80
Mean 0.04626
Std Dev 0.4612
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

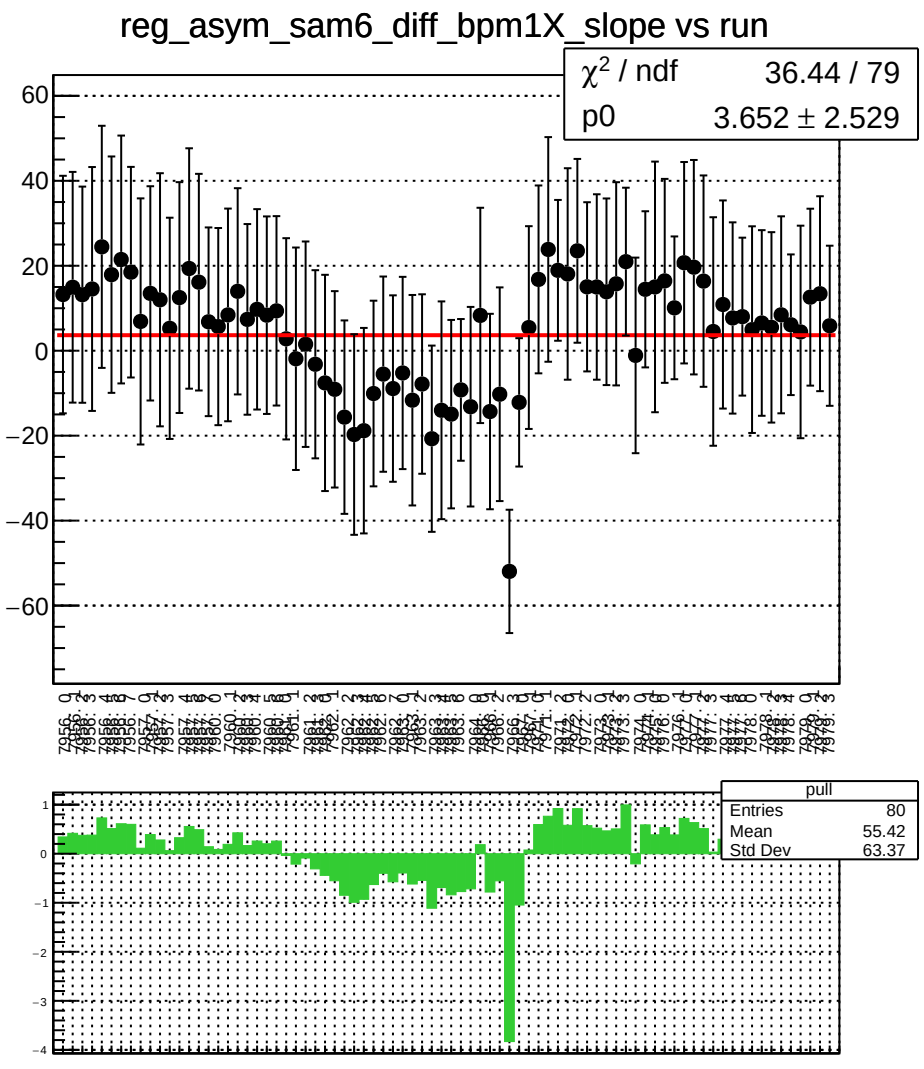

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 13.37 / 79
p0 10.37 ± 1.15
pull
Entries 80
Mean 228.9
Std Dev 179.7

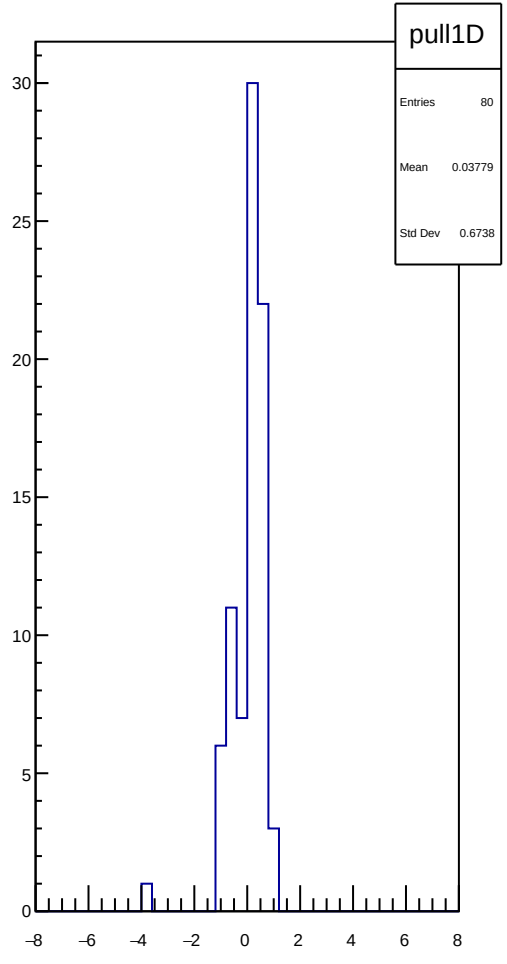

pull1D
Entries 80
Mean −0.01416
Std Dev 0.4086

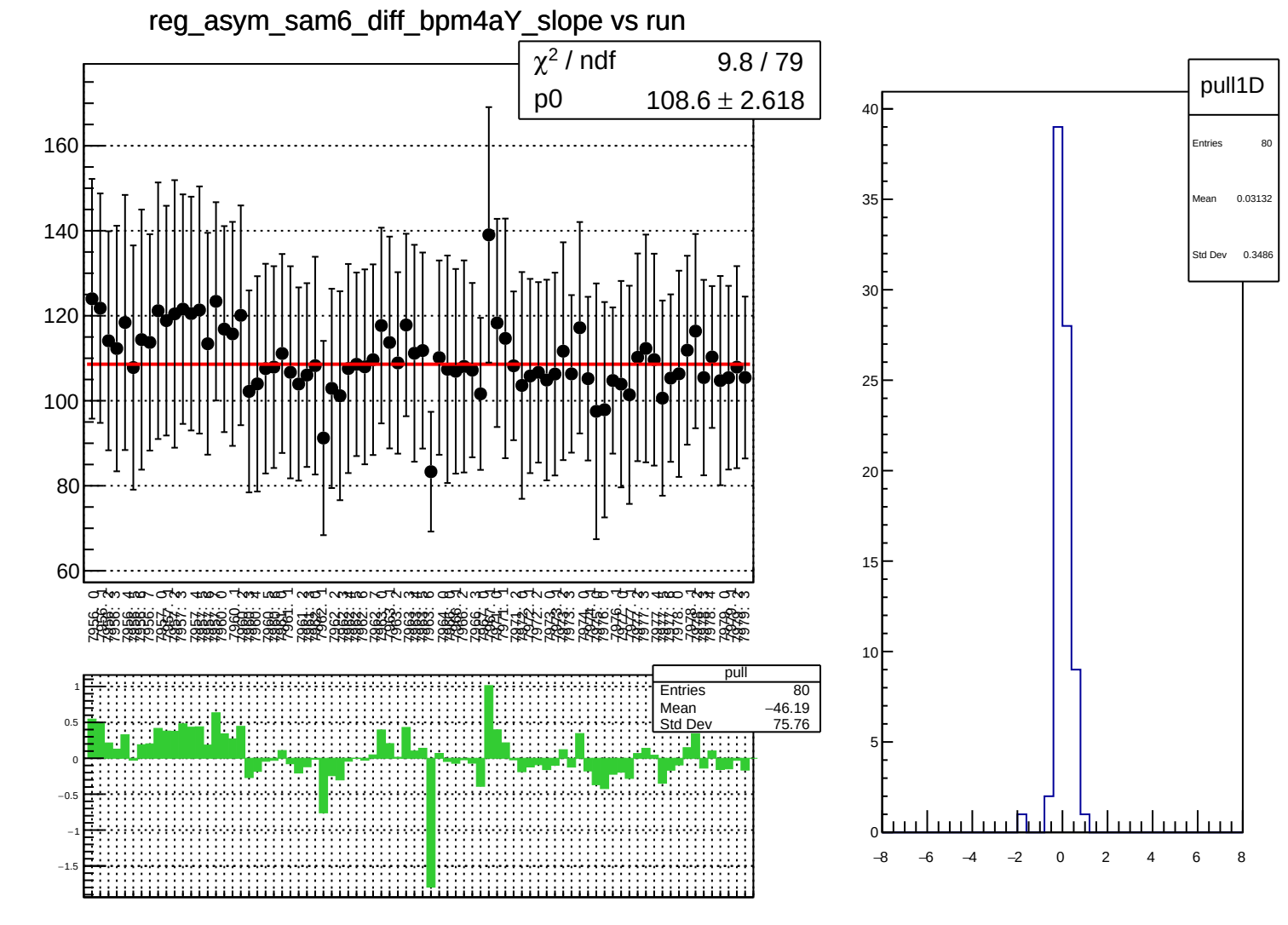

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.63 / 79
p0 27.2 ± 1.54
pull
Entries 80
Mean −46.5
Std Dev 75.85

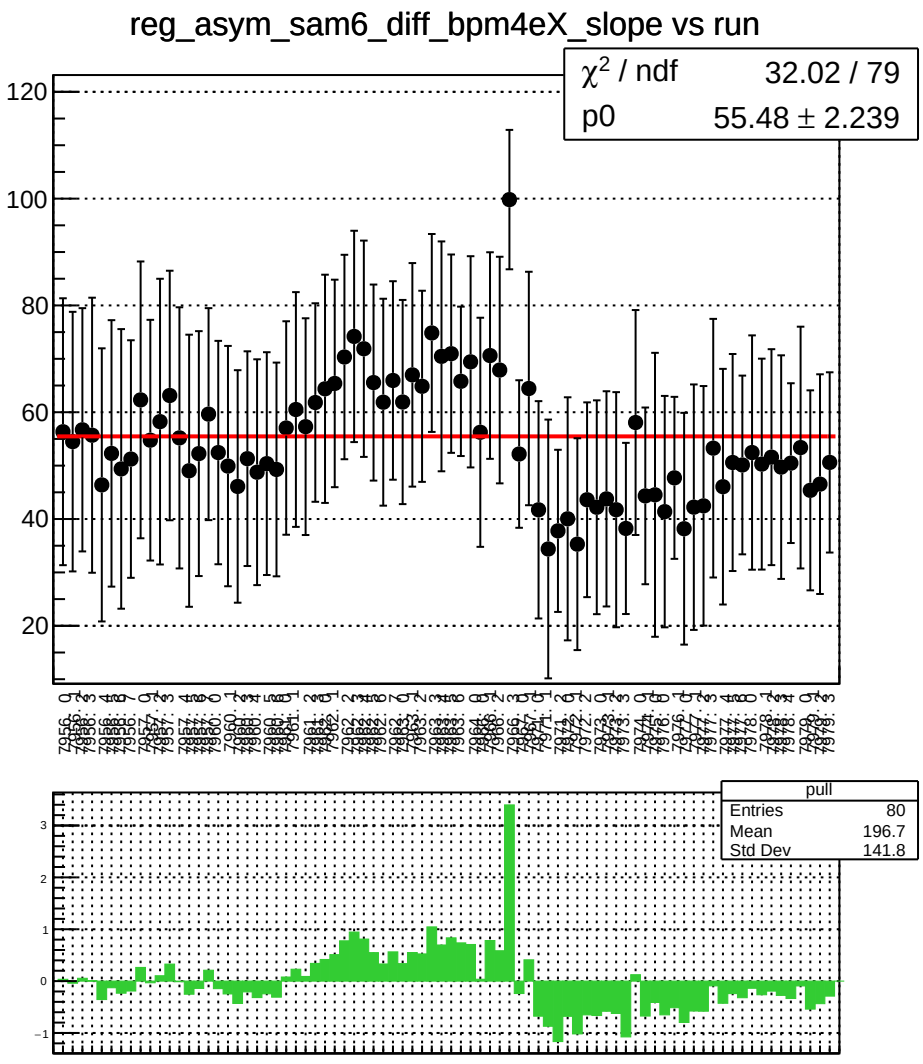

pull1D
Entries 80
Mean −0.03299
Std Dev 0.3959

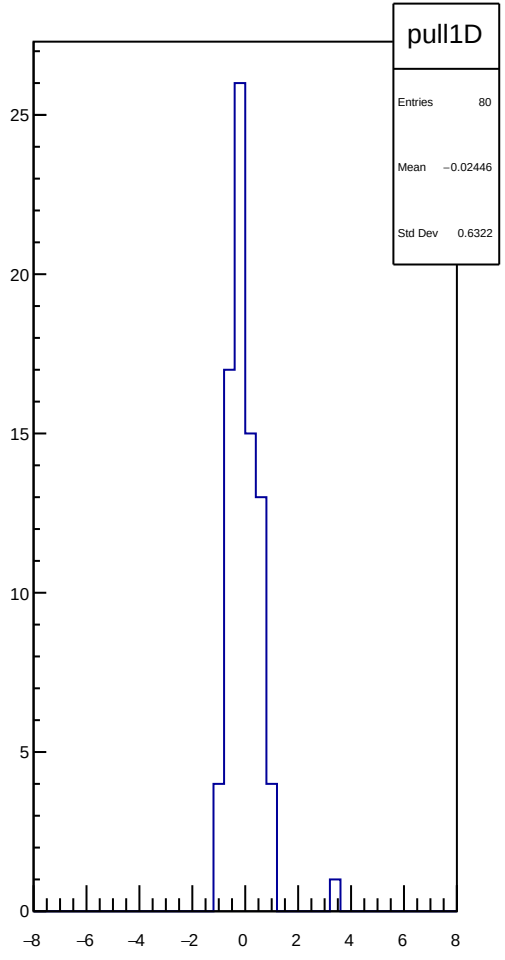

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 12.17 / 79
p0 −0.8077 ± 0.04454
pull
Entries 80
Mean −144.3
Std Dev 181.1
pull1D
Entries 80
Mean −0.02985
Std Dev 0.389

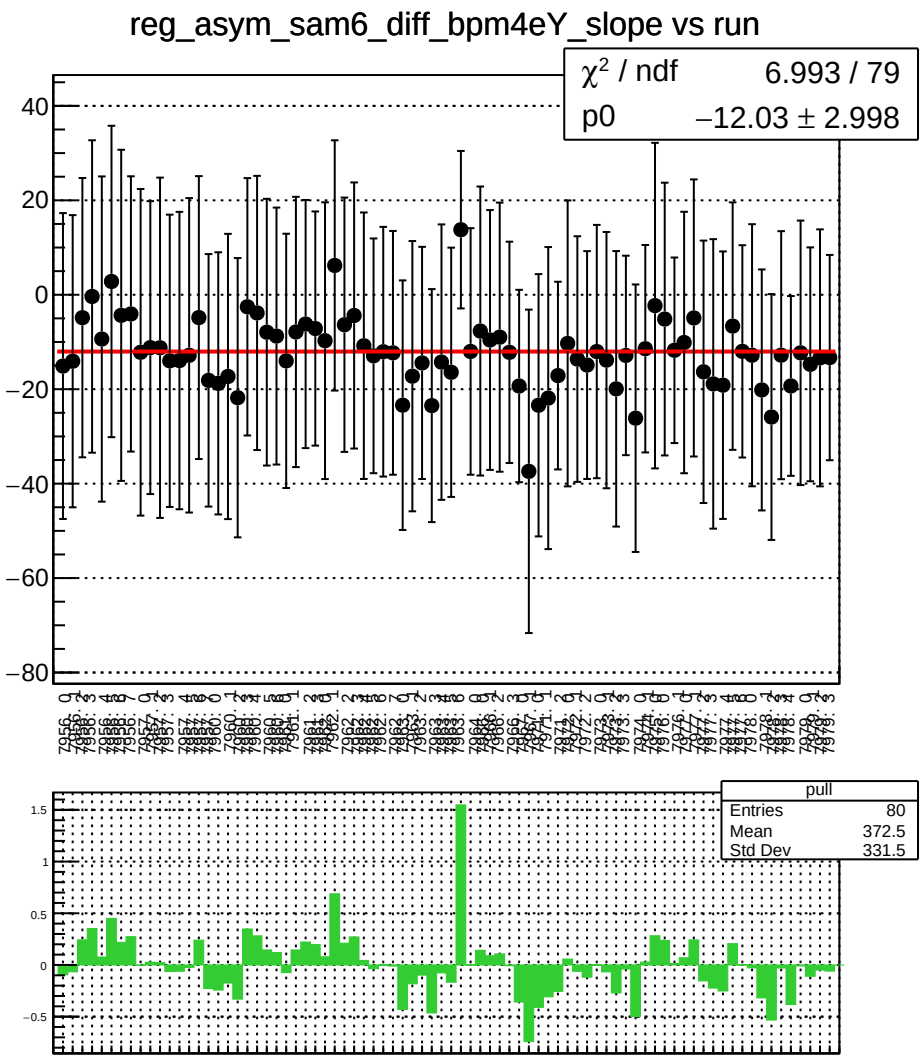

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 36.44 / 79
p0 3.652 ± 2.529
pull
Entries 80
Mean 55.42
Std Dev 63.37

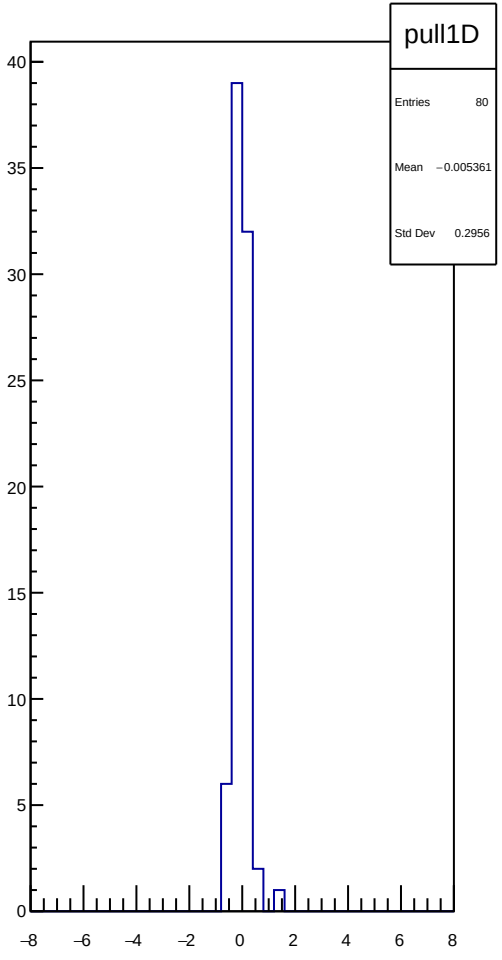

pull1D
Entries 80
Mean 0.03779
Std Dev 0.6738

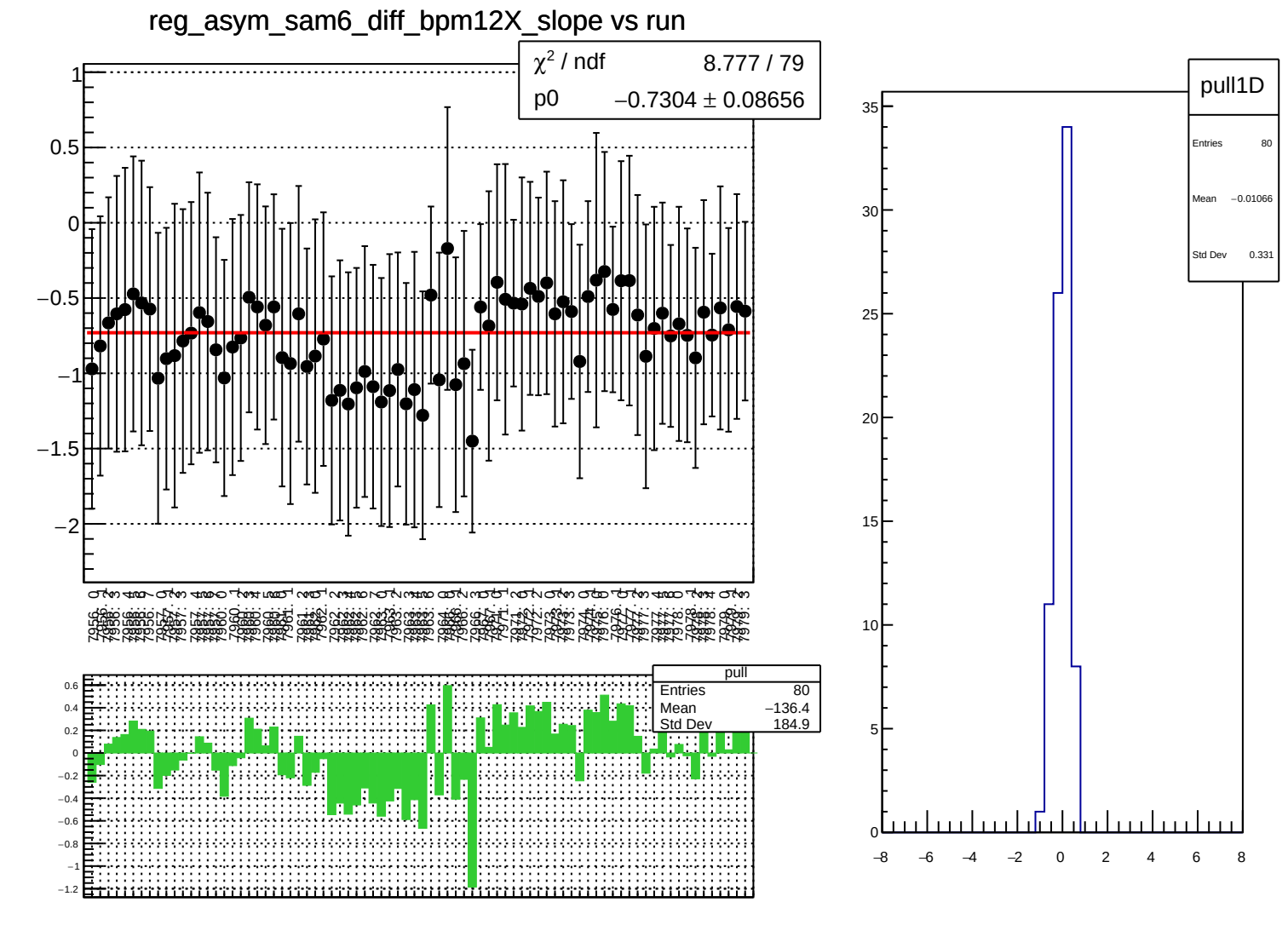

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.8 / 79
p0 108.6 ± 2.618
pull
Entries 80
Mean −46.19
Std Dev 75.76
pull1D
Entries 80
Mean 0.03132
Std Dev 0.3486

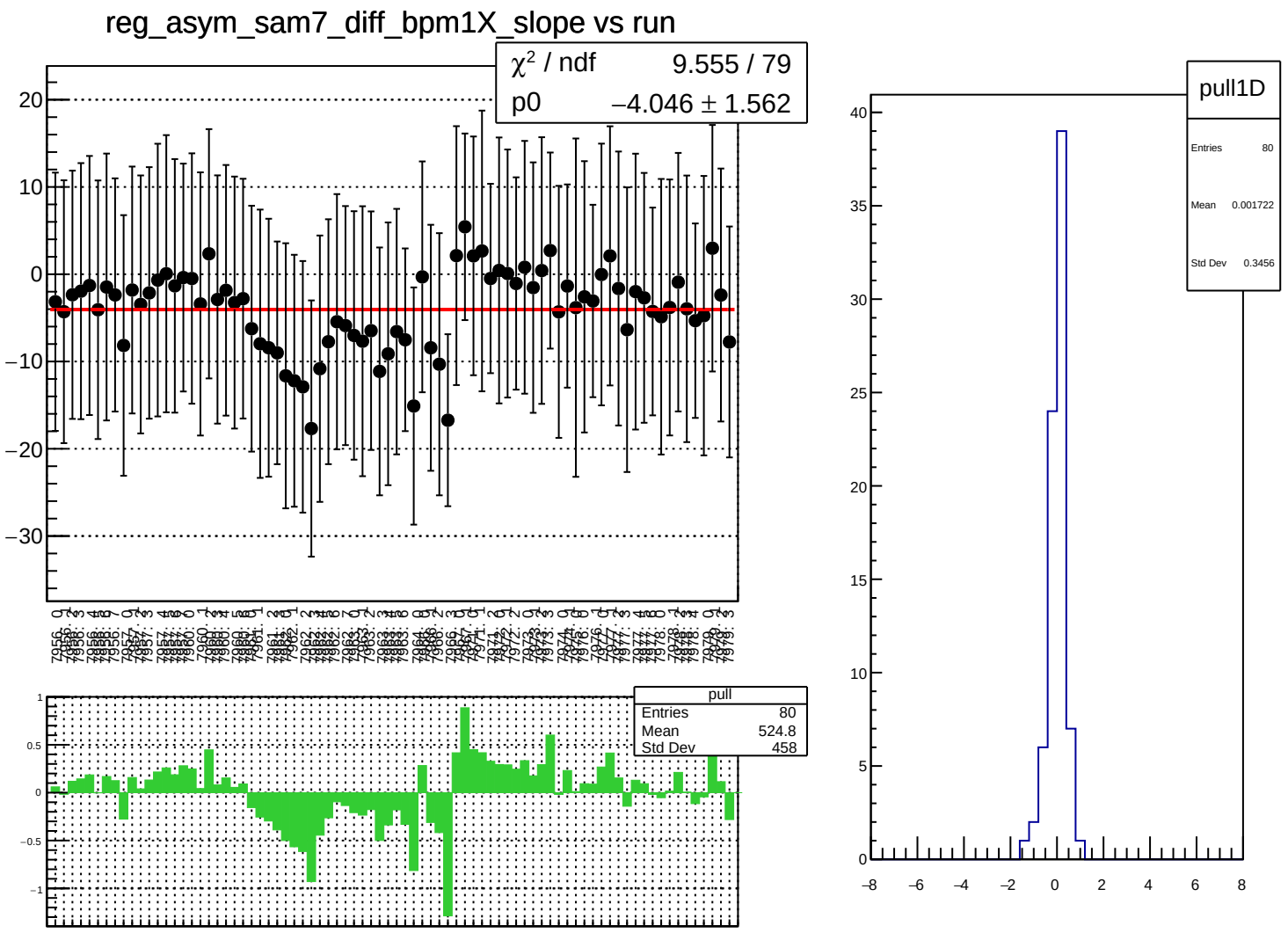

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 32.02 / 79
p0 55.48 ± 2.239
120
100
80
60
40
20
pull
Entries 80
Mean 196.7
Std Dev 141.8
3
2
1
0
−1

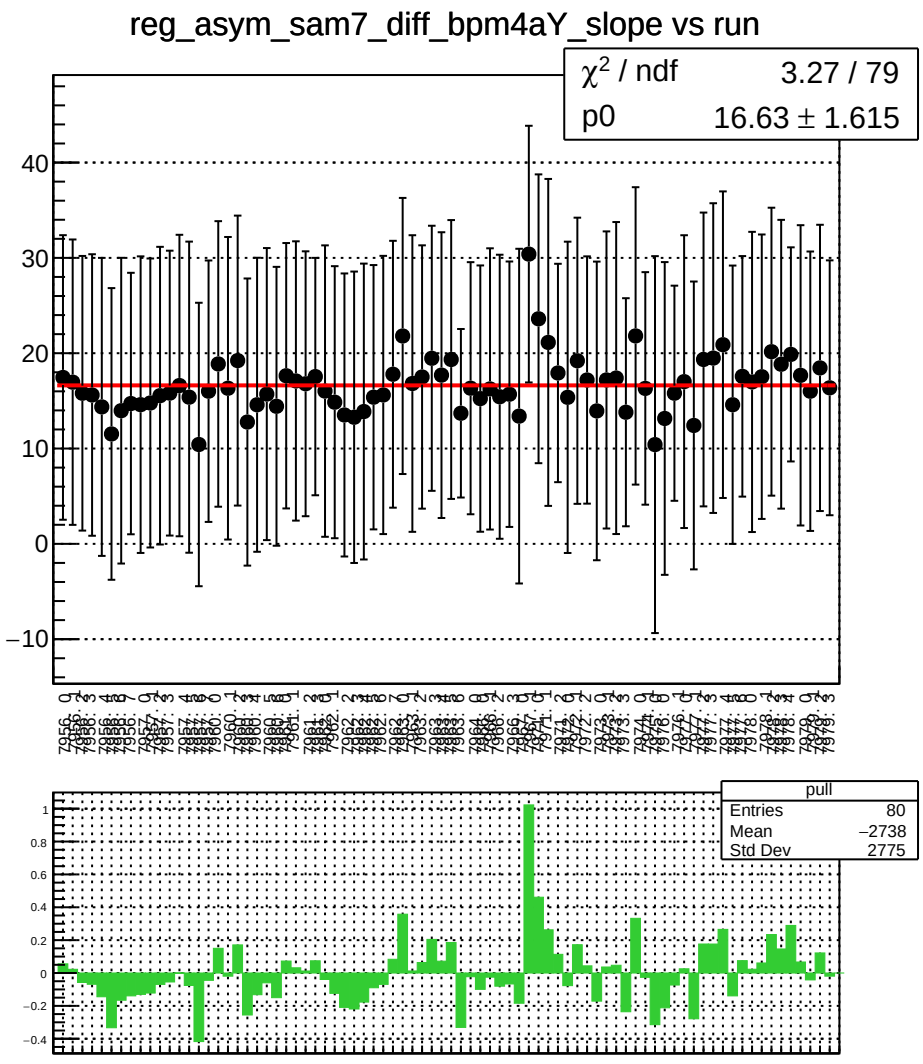

pull1D
Entries 80
Mean −0.02446
Std Dev 0.6322
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

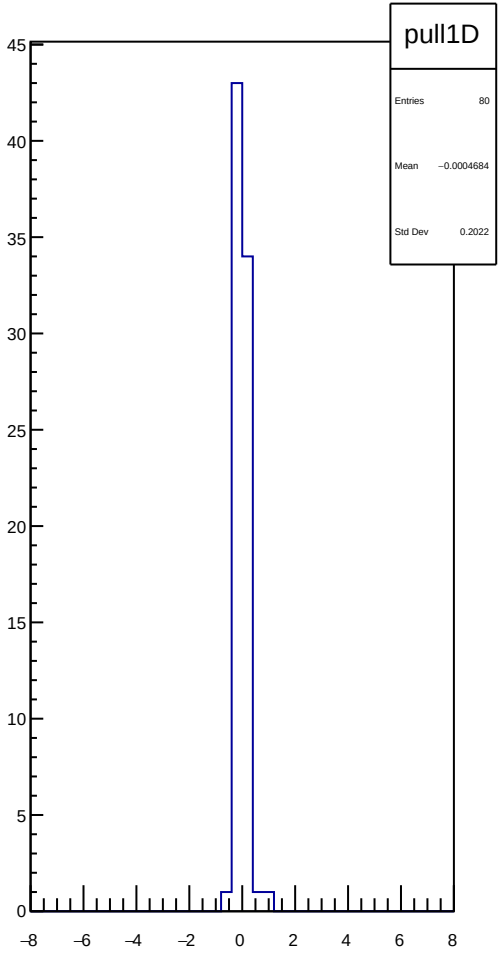

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 6.993 / 79
p0 −12.03 ± 2.998
pull
Entries 80
Mean 372.5
Std Dev 331.5

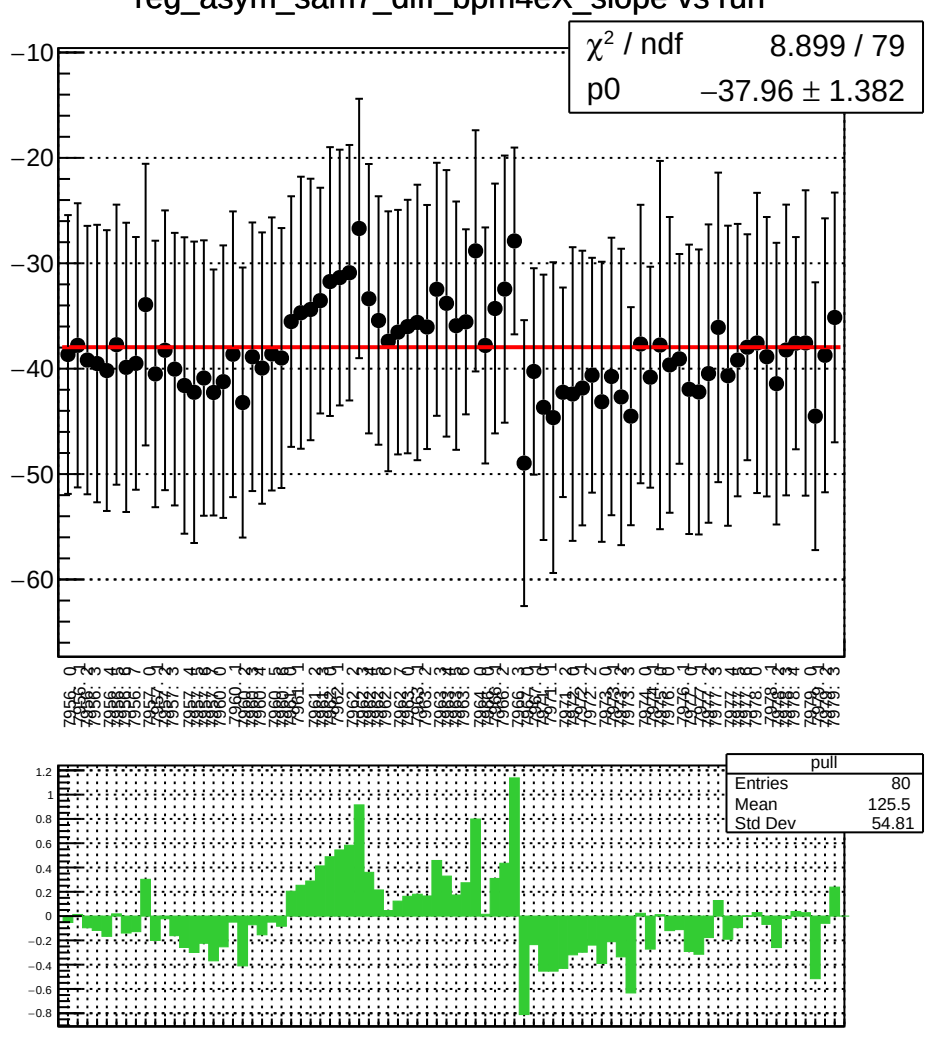

pull1D
Entries 80
Mean −0.005361
Std Dev 0.2956

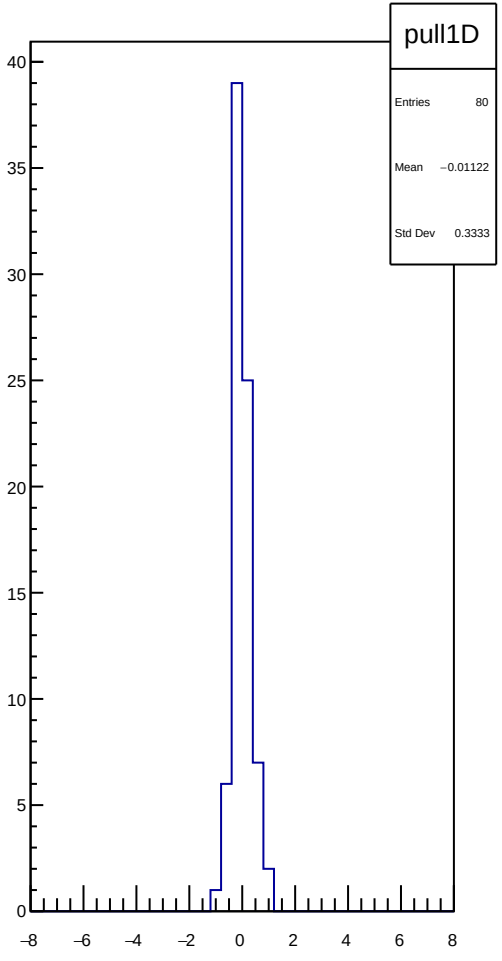

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 8.777 / 79
p0 −0.7304 ± 0.08656
pull
Entries 80
Mean −136.4
Std Dev 184.9
pull1D
Entries 80
Mean −0.01066
Std Dev 0.331

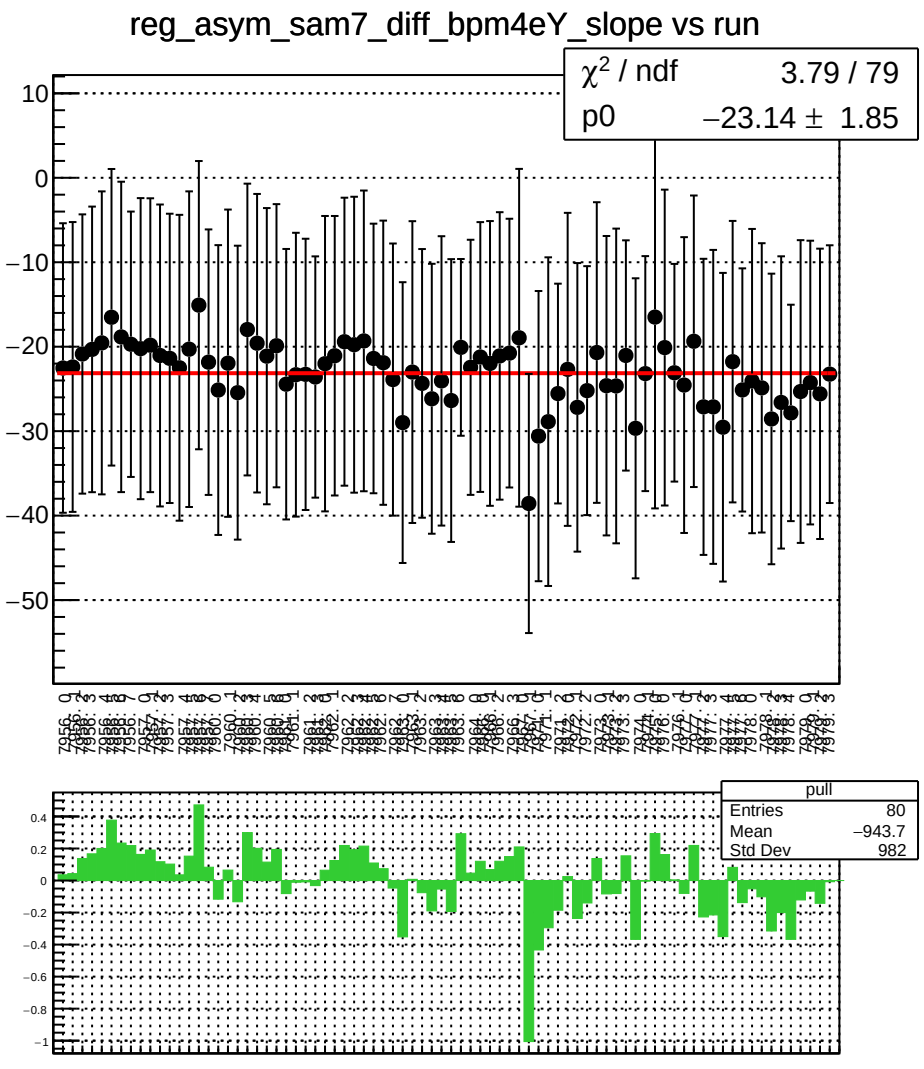

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 9.555 / 79
p0 −4.046 ± 1.562
pull
Entries 80
Mean 524.8
Std Dev 458
pull1D
Entries 80
Mean 0.001722
Std Dev 0.3456

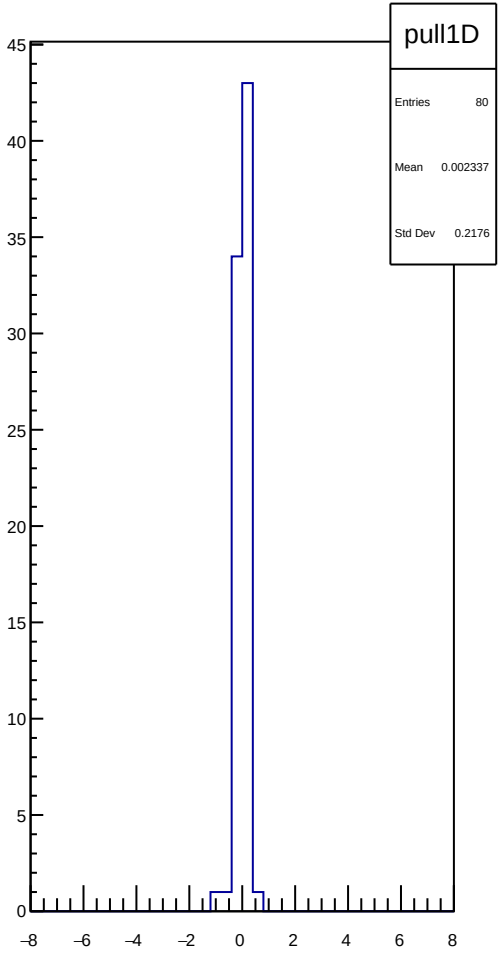

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 3.27 / 79
p0 16.63 ± 1.615
pull
Entries 80
Mean −2738
Std Dev 2775

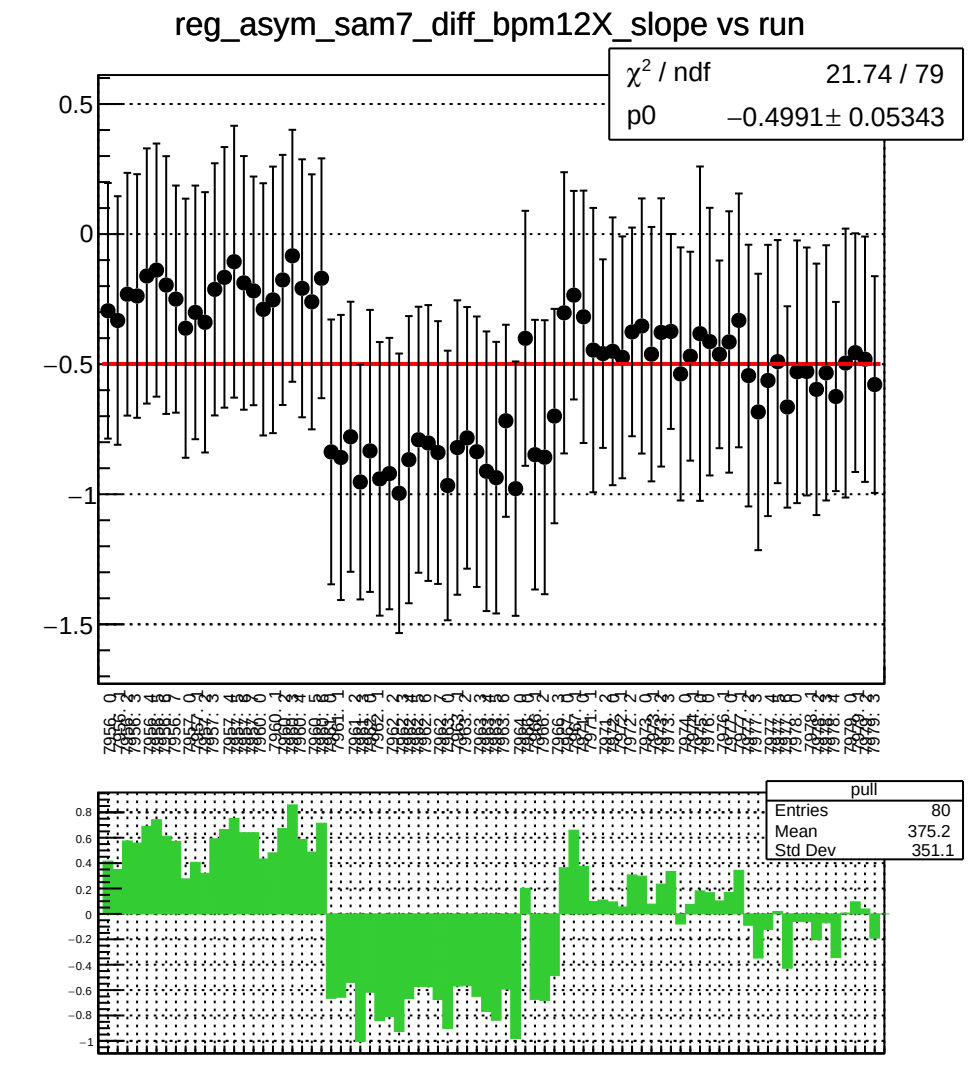

pull1D
Entries 80
Mean −0.0004684
Std Dev 0.2022

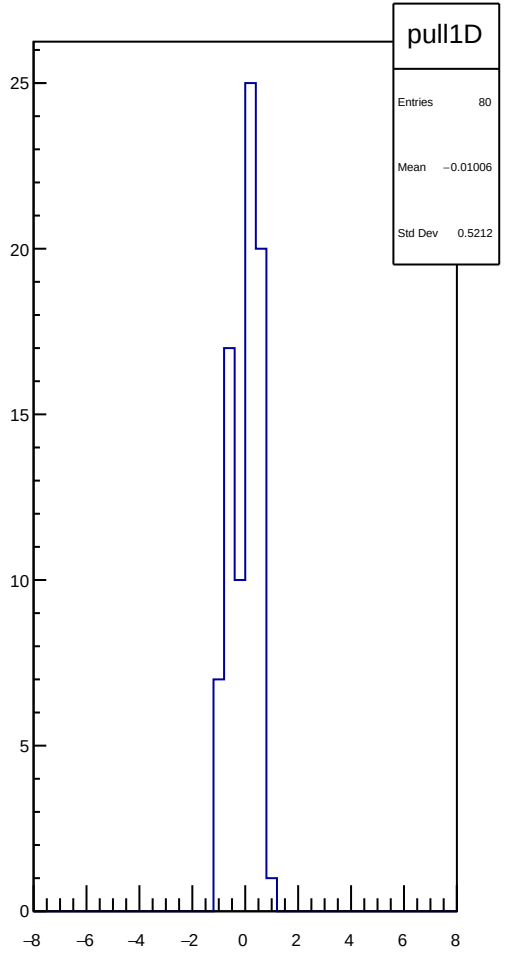

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 8.899 / 79
p0 −37.96 ± 1.382
pull
Entries 80
Mean 125.5
Std Dev 54.81

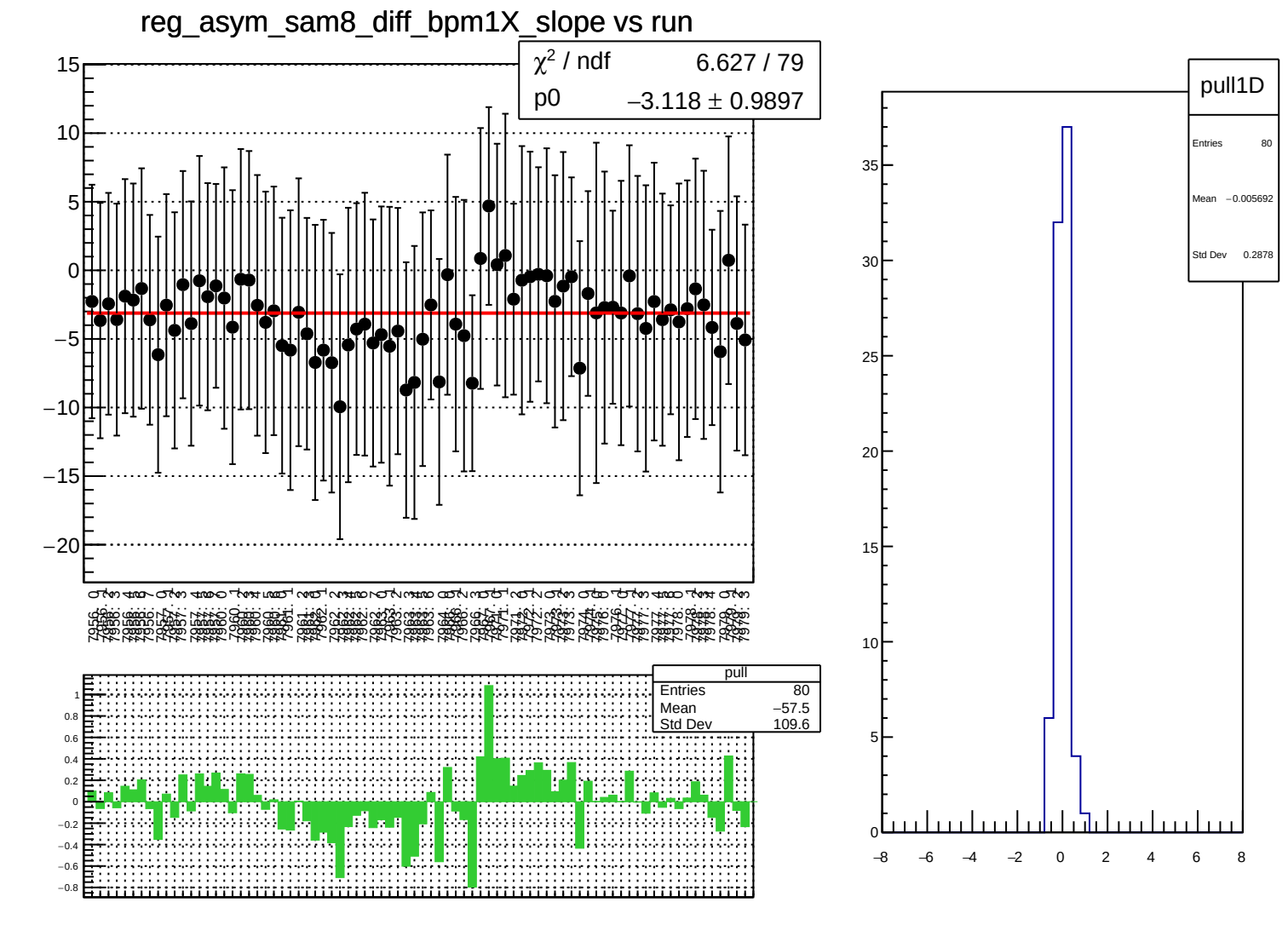

pull1D
Entries 80
Mean −0.01122
Std Dev 0.3333

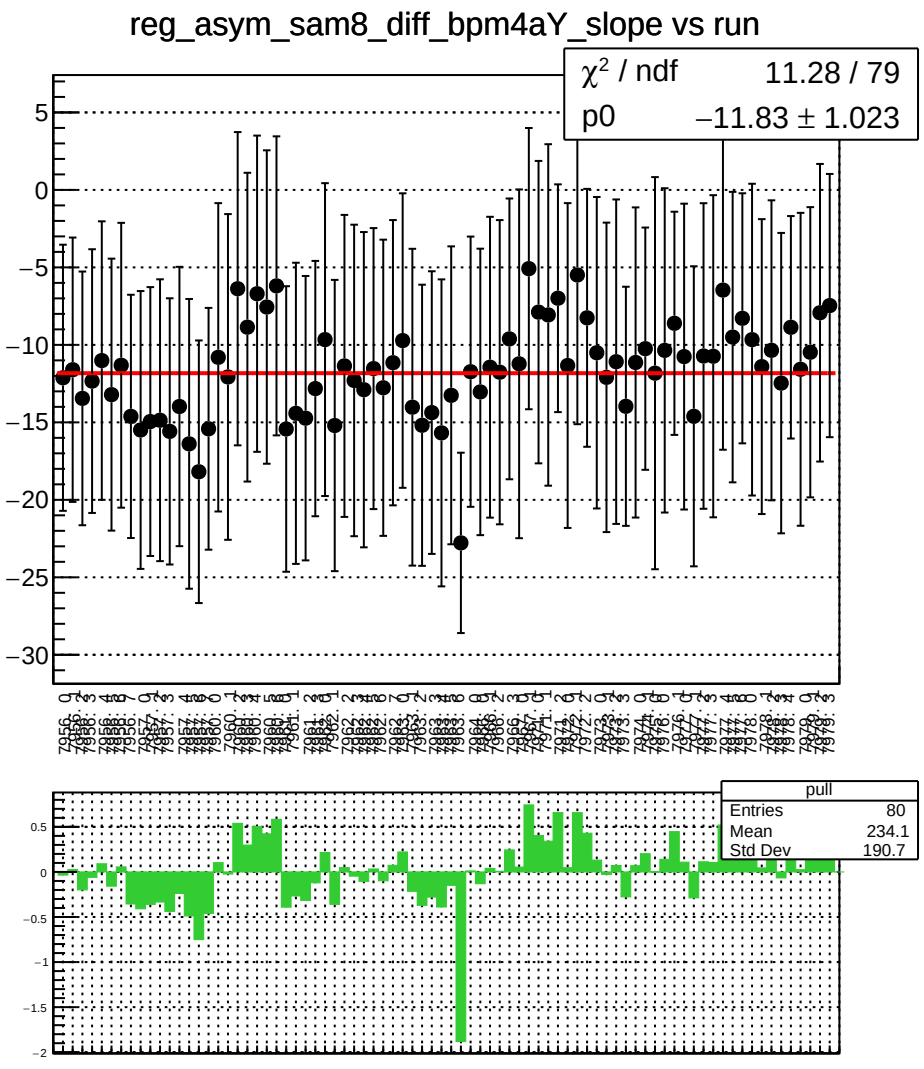

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 3.79 / 79
p0 −23.14 ± 1.85
pull
Entries 80
Mean −943.7
Std Dev 982

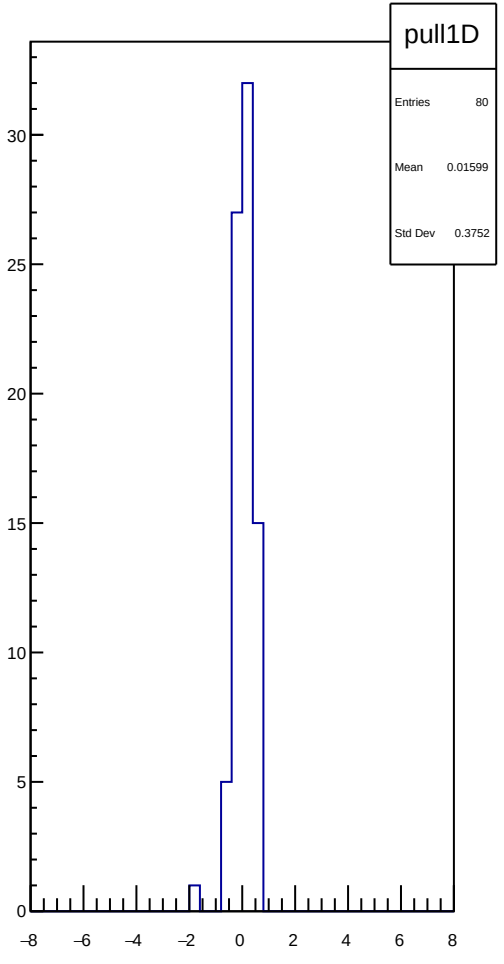

pull1D
Entries 80
Mean 0.002337
Std Dev 0.2176

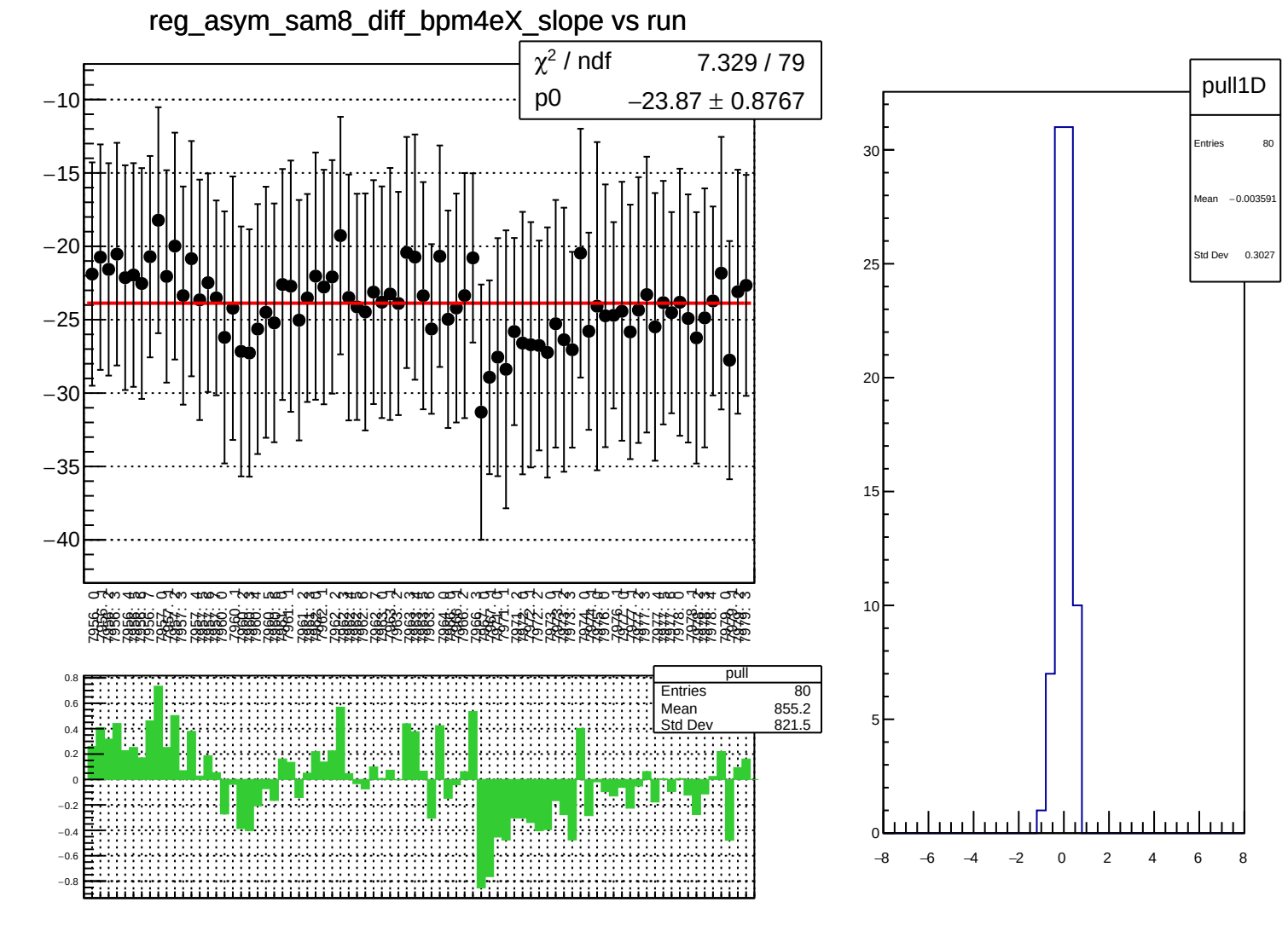

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 21.74 / 79
p0 −0.4991± 0.05343
pull
Entries 80
Mean 375.2
Std Dev 351.1

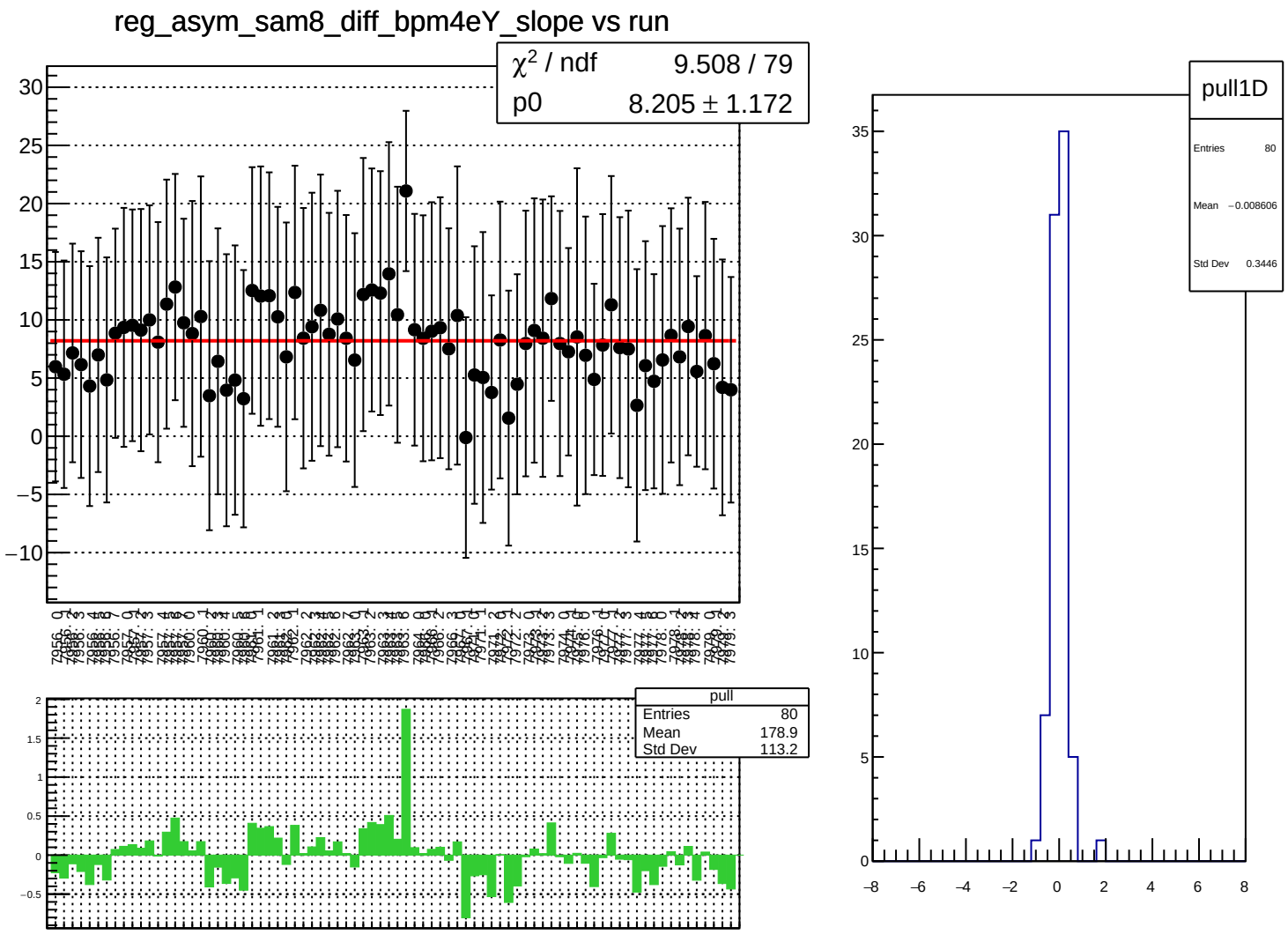

pull1D
Entries 80
Mean −0.01006
Std Dev 0.5212

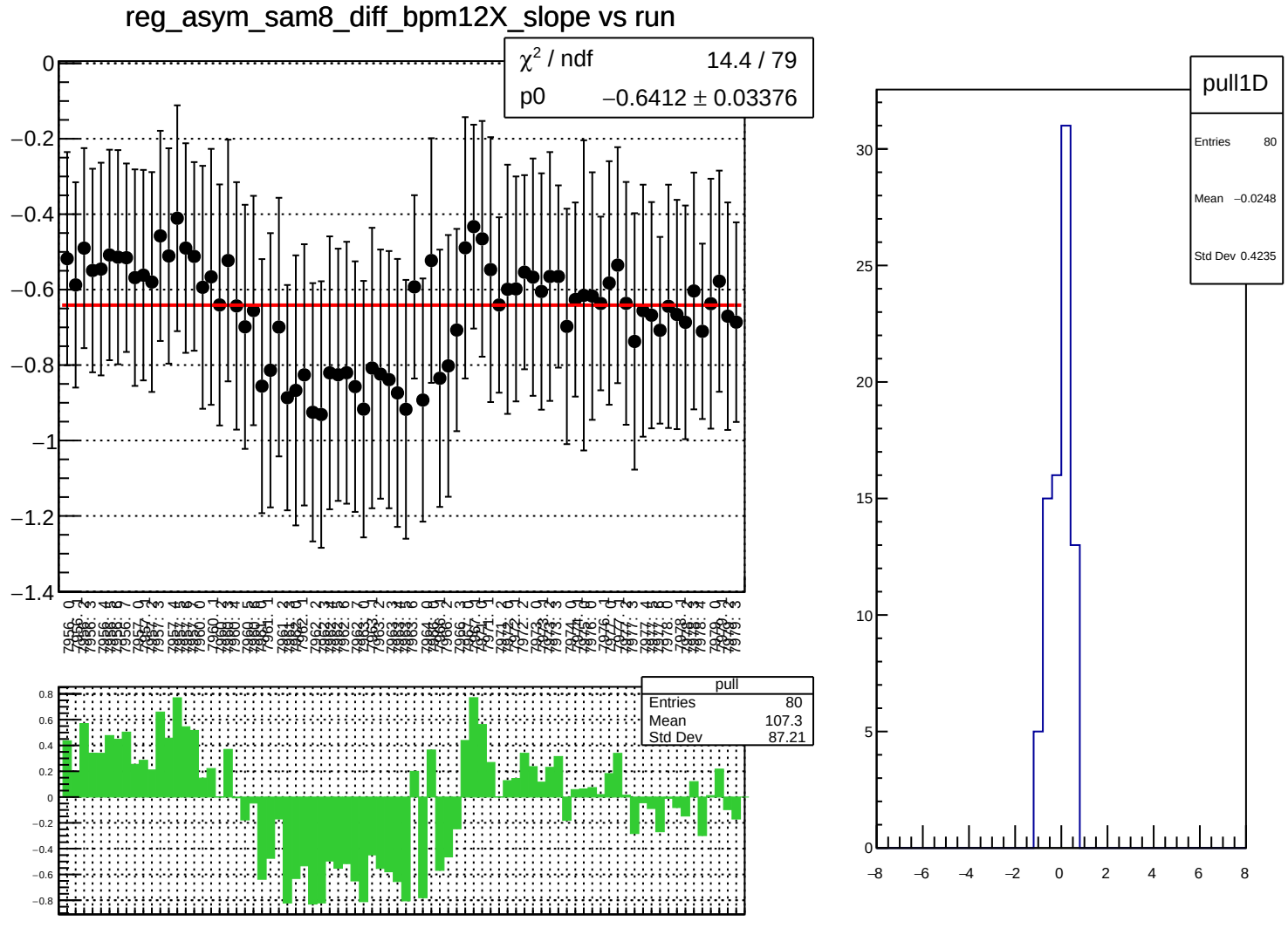

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 6.627 / 79
p0 −3.118 ± 0.9897
pull
Entries 80
Mean −57.5
Std Dev 109.6
pull1D
Entries 80
Mean −0.005692
Std Dev 0.2878

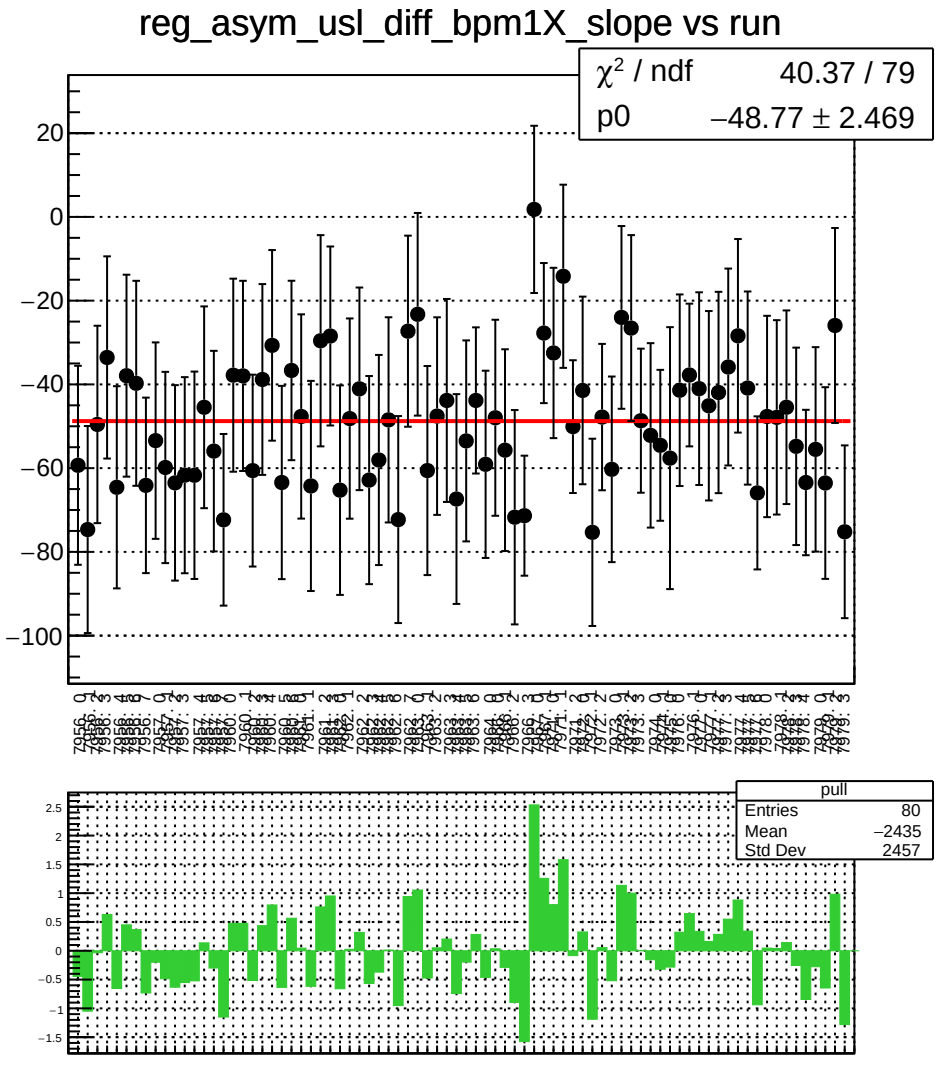

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 11.28 / 79
p0 −11.83 ± 1.023
pull
Entries 80
Mean 234.1
Std Dev 190.7

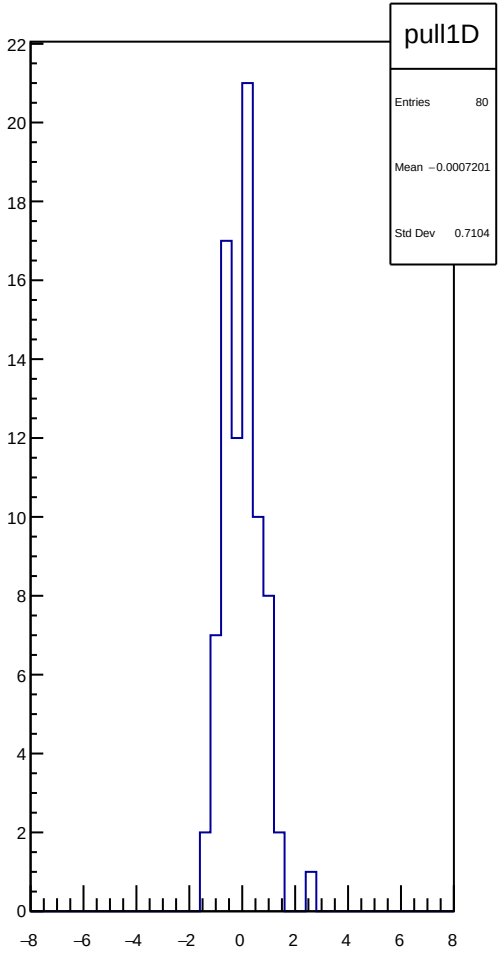

pull1D
Entries 80
Mean 0.01599
Std Dev 0.3752

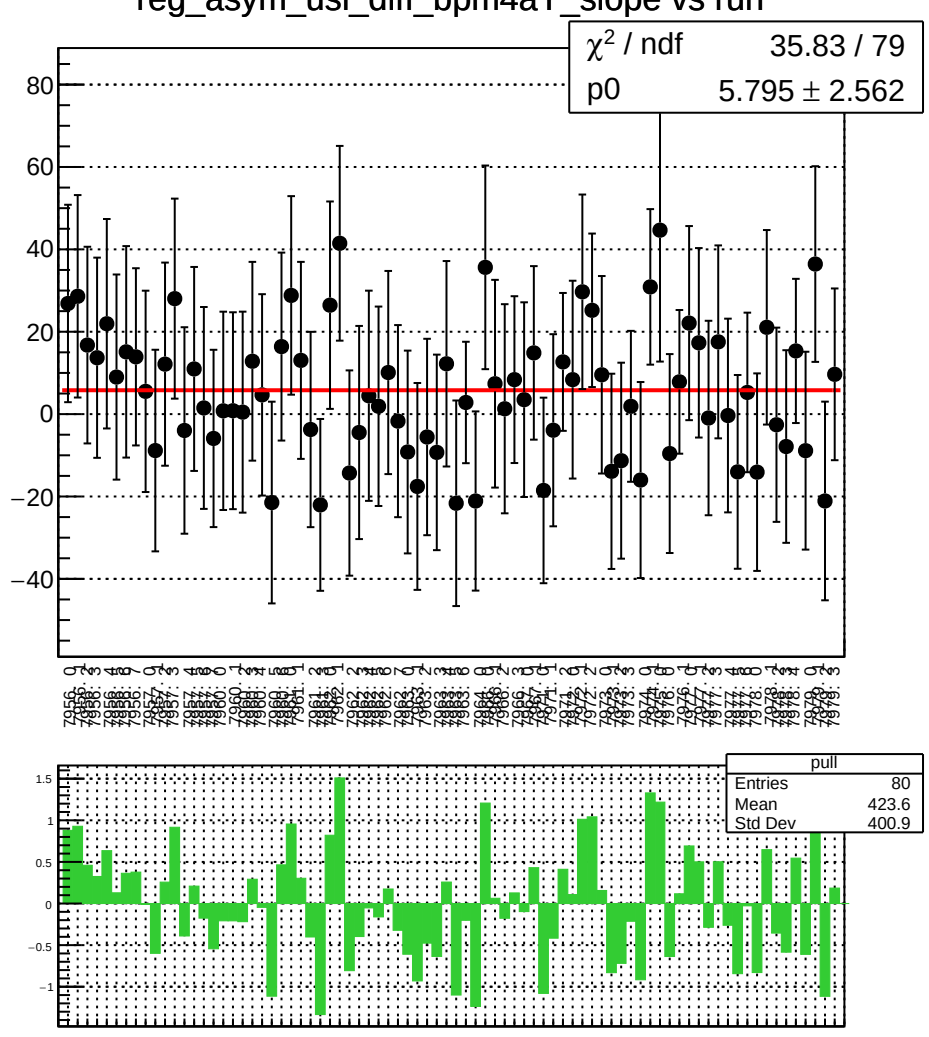

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 7.329 / 79
p0 −23.87 ± 0.8767
pull
Entries 80
Mean 855.2
Std Dev 821.5
pull1D
Entries 80
Mean −0.003591
Std Dev 0.3027

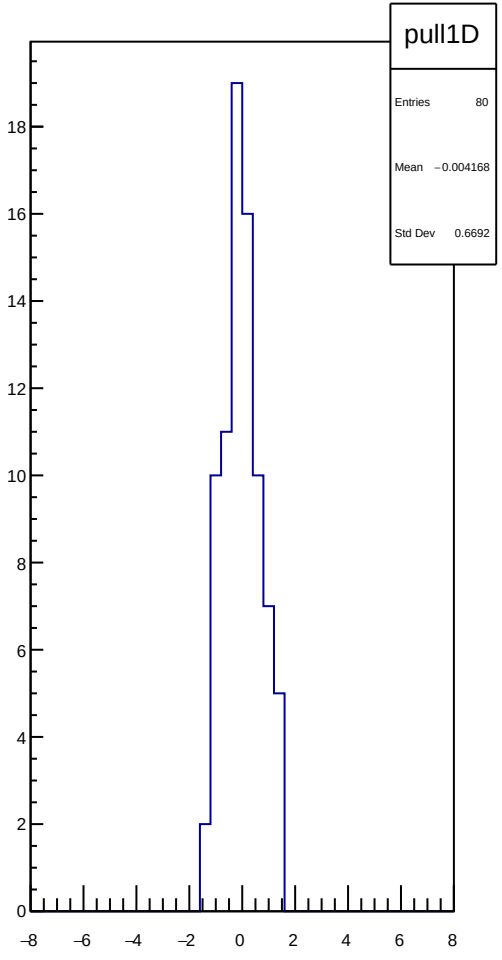

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 9.508 / 79
p0 8.205 ± 1.172
pull
Entries 80
Mean 178.9
Std Dev 113.2
pull1D
Entries 80
Mean −0.008606
Std Dev 0.3446

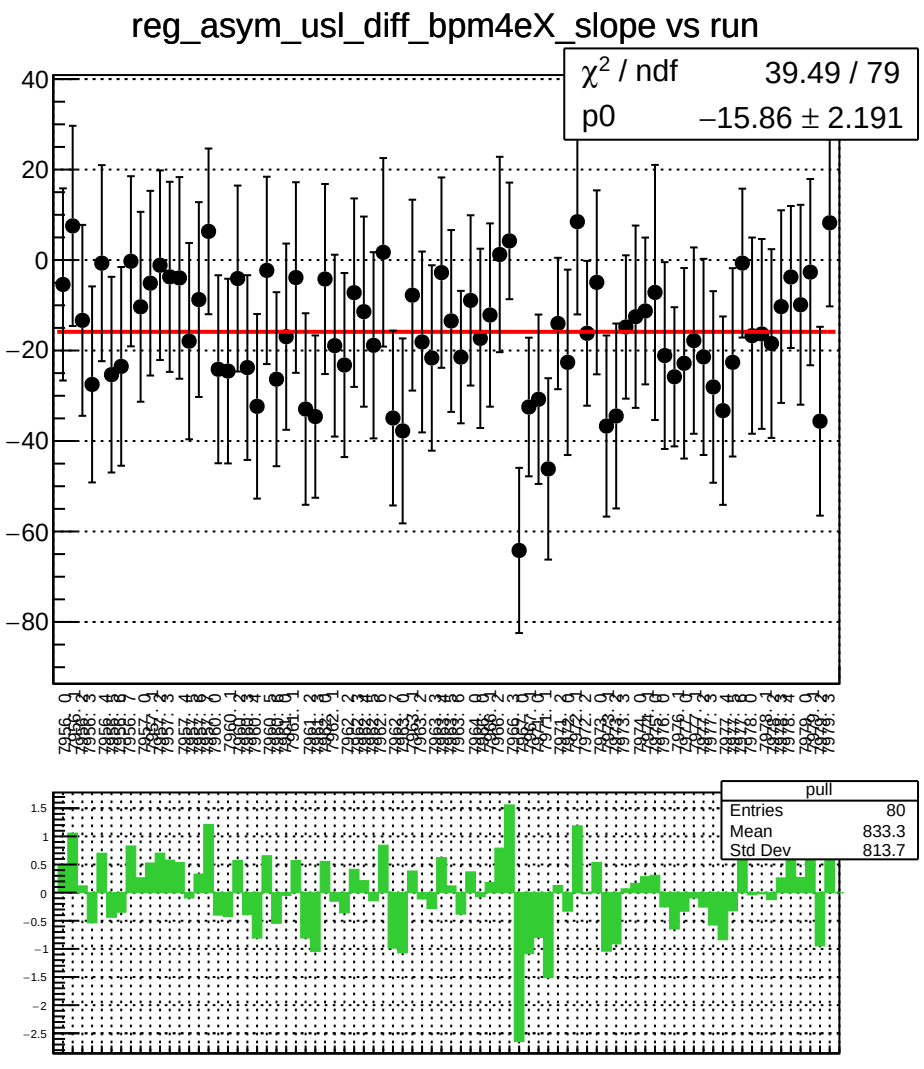

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 14.4 / 79
p0 −0.6412 ± 0.03376
pull
Entries 80
Mean 107.3
Std Dev 87.21
pull1D
Entries 80
Mean −0.0248
Std Dev 0.4235

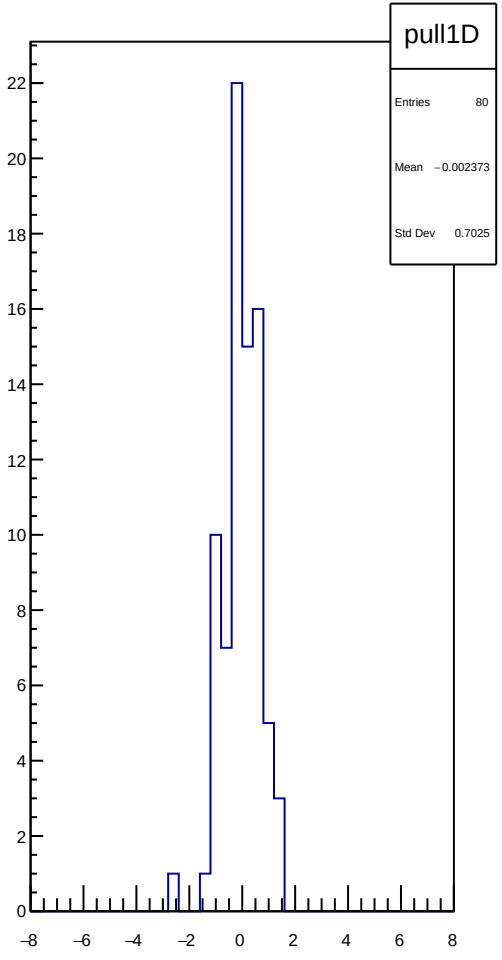

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 40.37 / 79
p0 −48.77 ± 2.469
pull
Entries 80
Mean −2435
Std Dev 2457

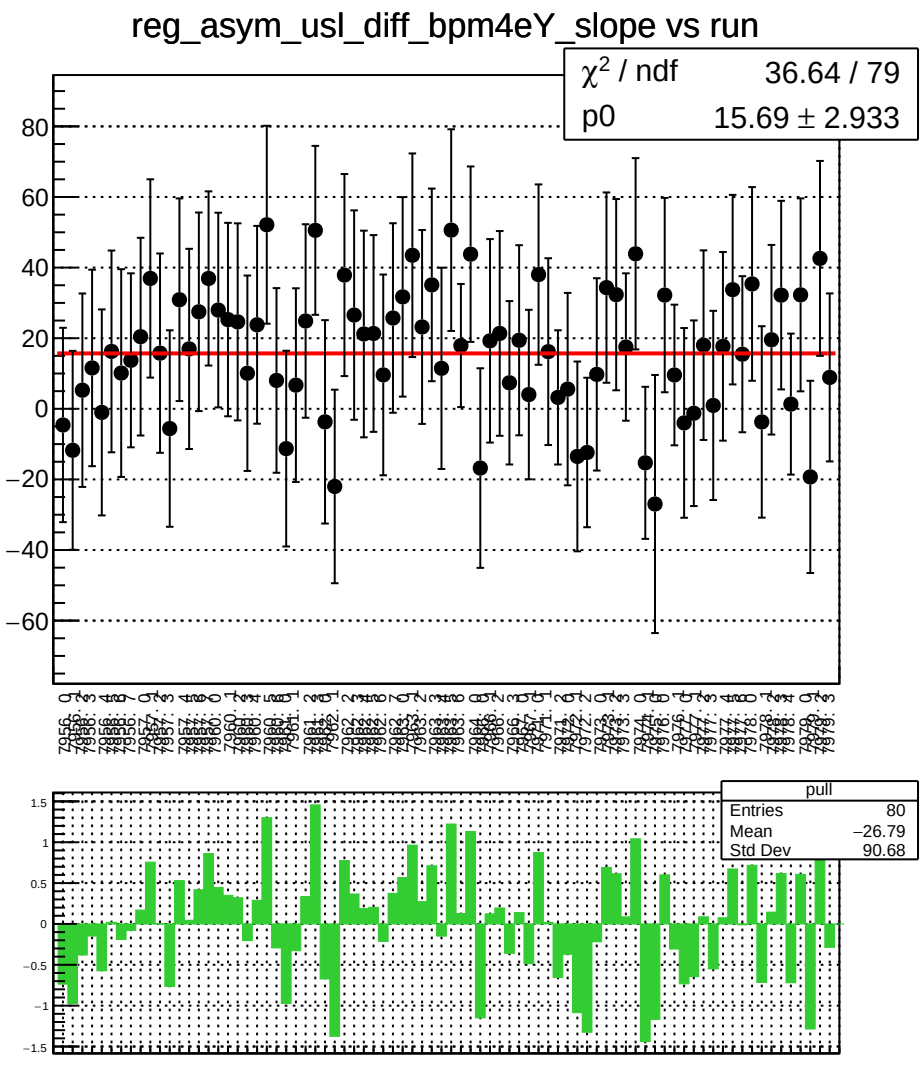

pull1D
Entries 80
Mean −0.0007201
Std Dev 0.7104

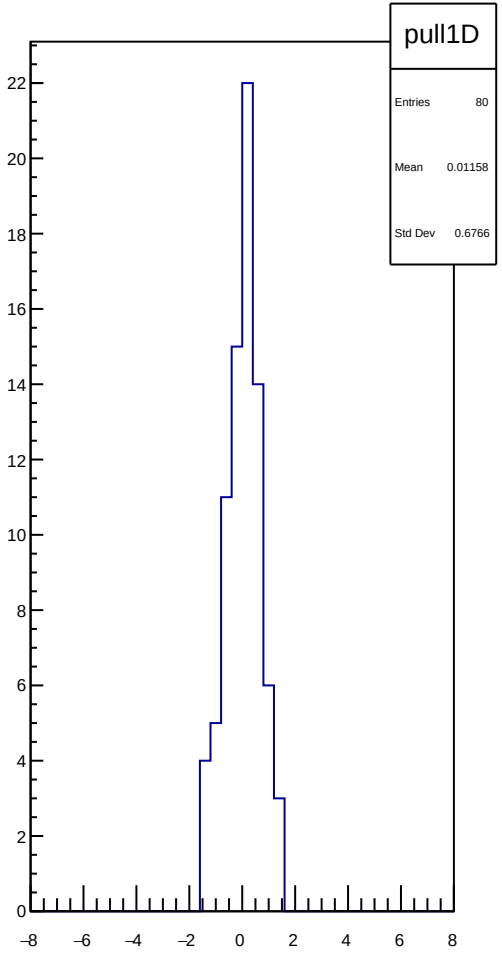

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.83 / 79
p0 5.795 ± 2.562
pull
Entries 80
Mean 423.6
Std Dev 400.9

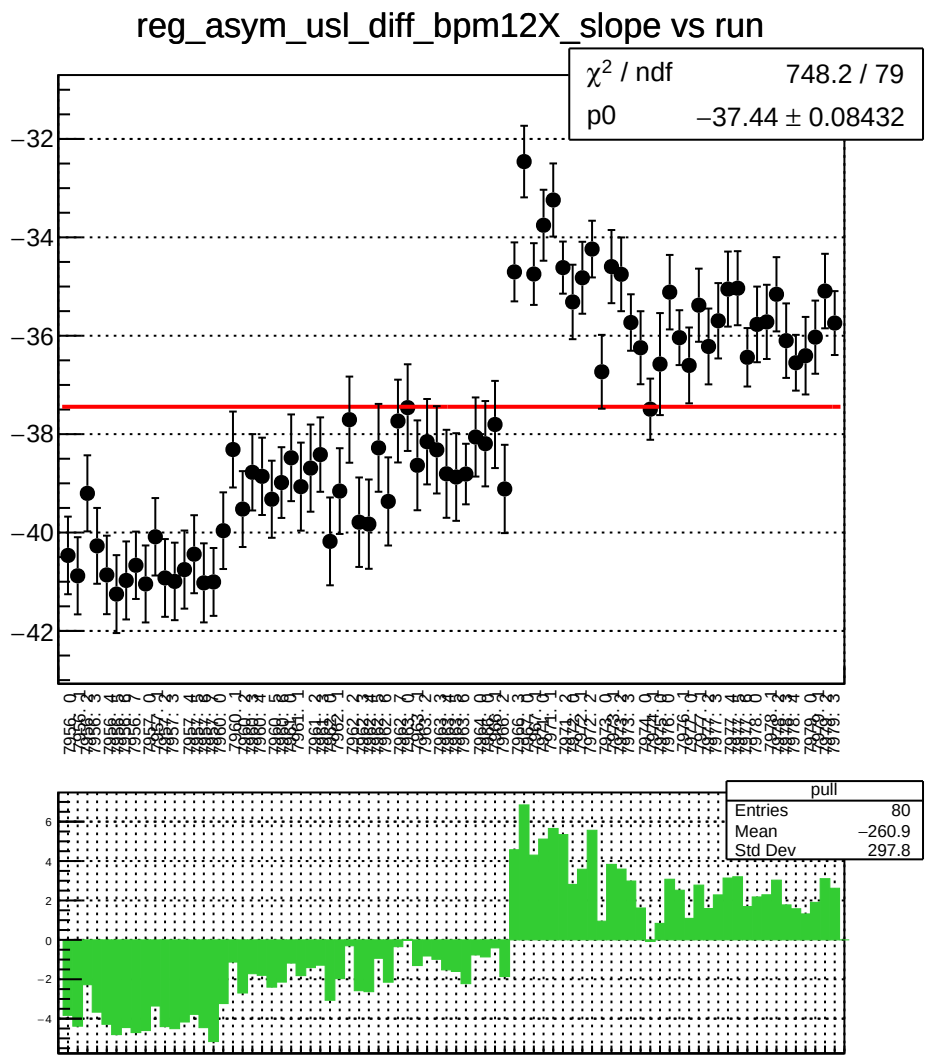

pull1D
Entries 80
Mean −0.004168
Std Dev 0.6692

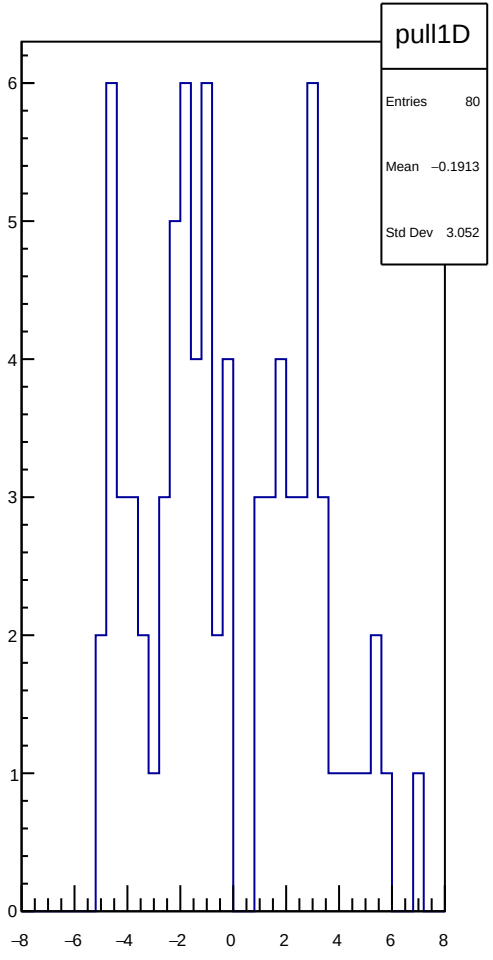

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 39.49 / 79
p0 −15.86 ± 2.191
pull
Entries 80
Mean 833.3
Std Dev 813.7

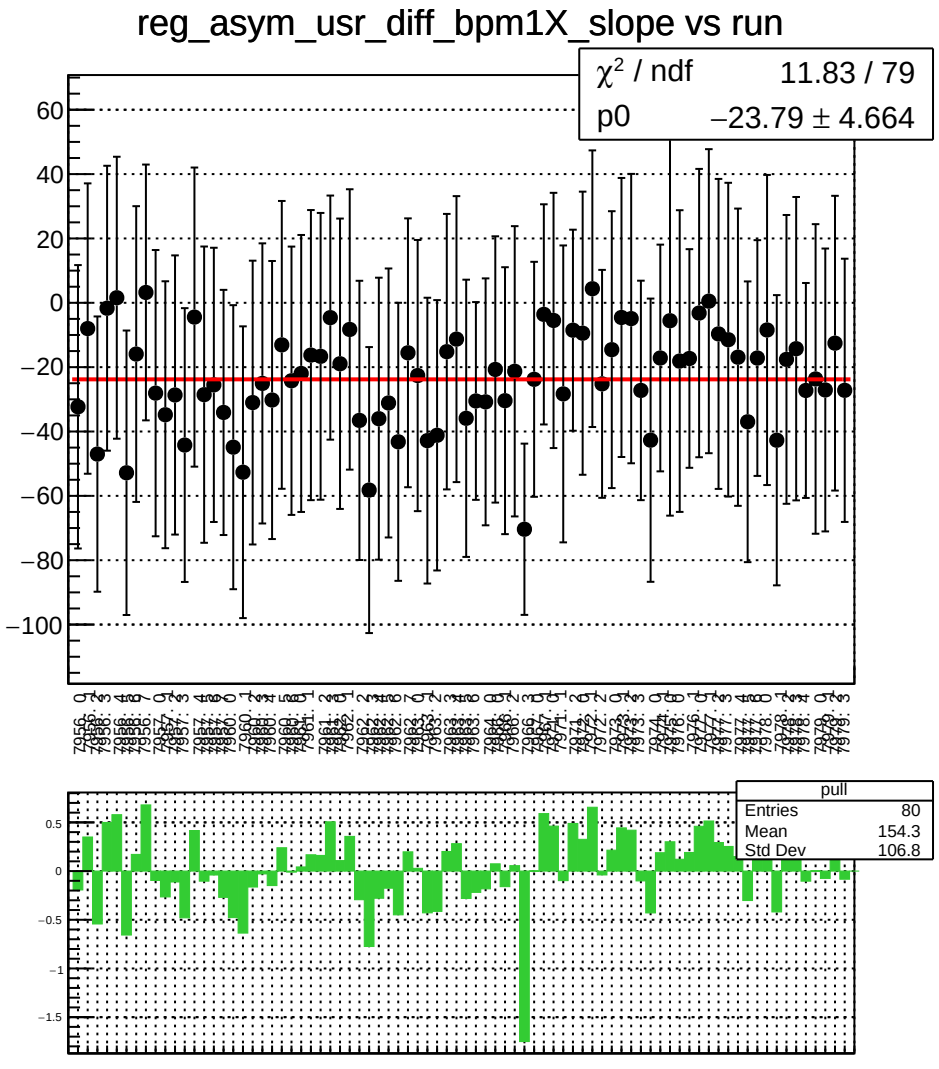

pull1D
Entries 80
Mean −0.002373
Std Dev 0.7025

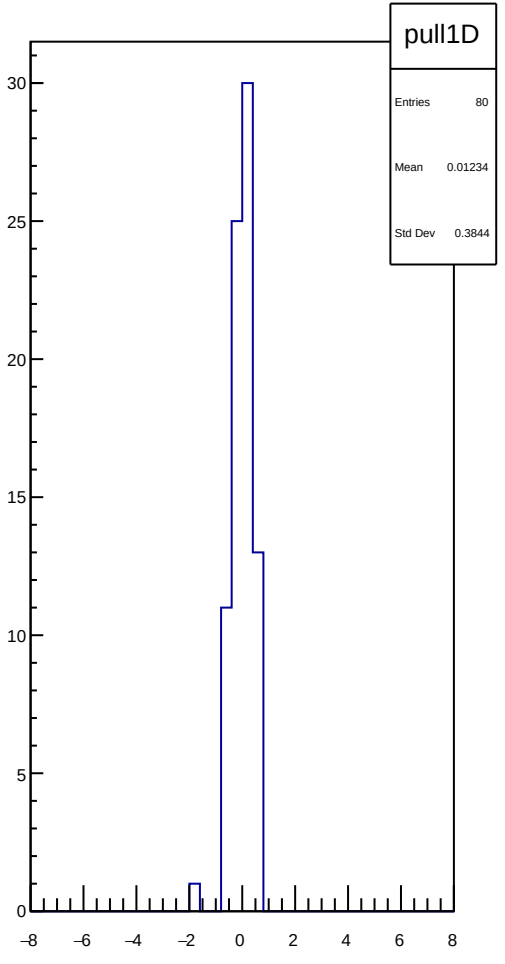

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 36.64 / 79
p0 15.69 ± 2.933
pull
Entries 80
Mean −26.79
Std Dev 90.68

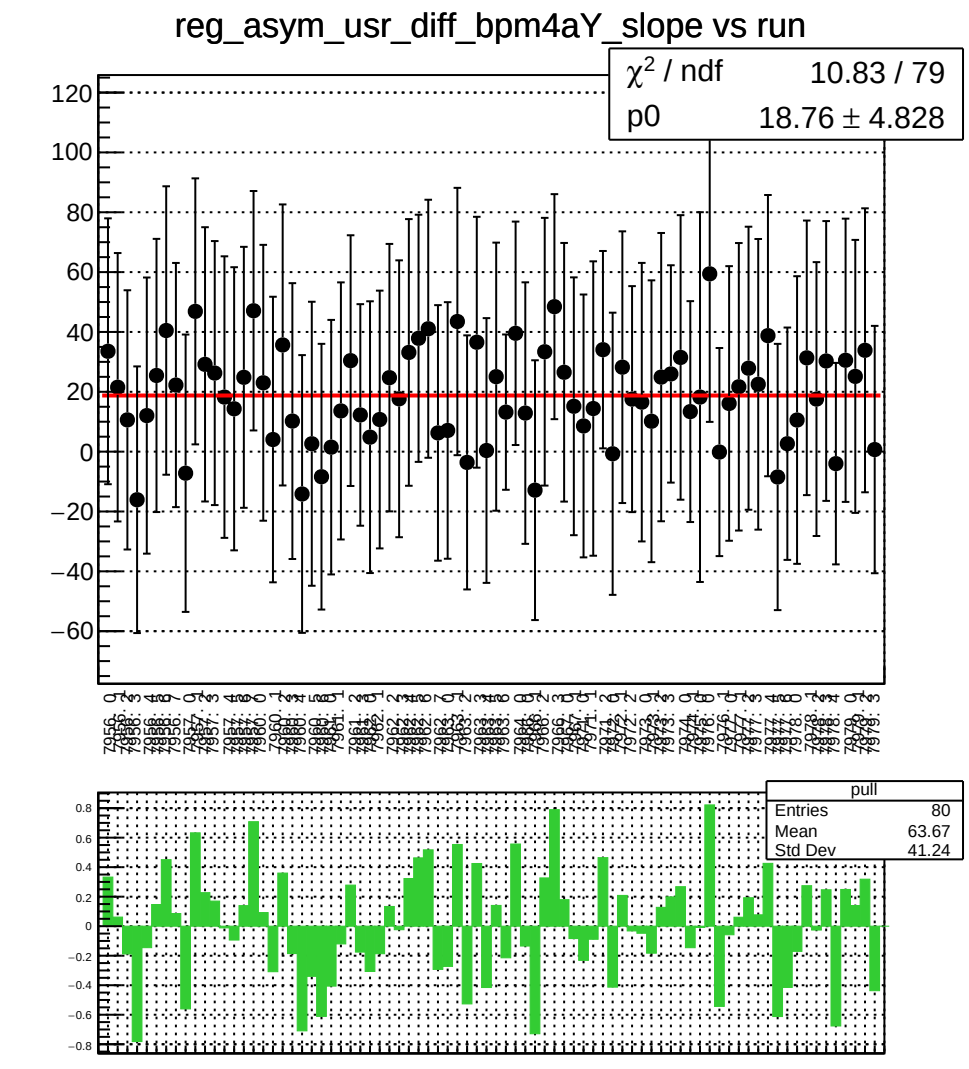

pull1D
Entries 80
Mean 0.01158
Std Dev 0.6766

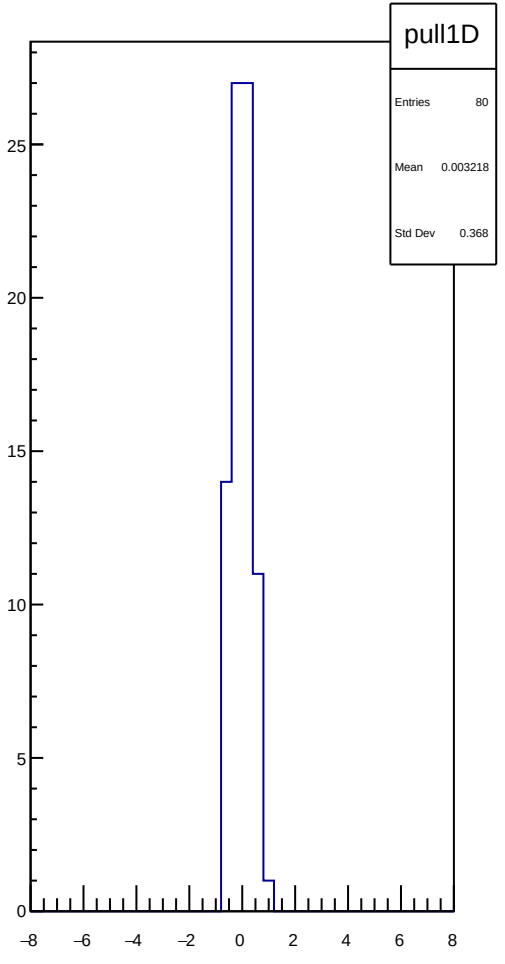

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 748.2 / 79
p0 −37.44 ± 0.08432
pull
Entries 80
Mean −260.9
Std Dev 297.8

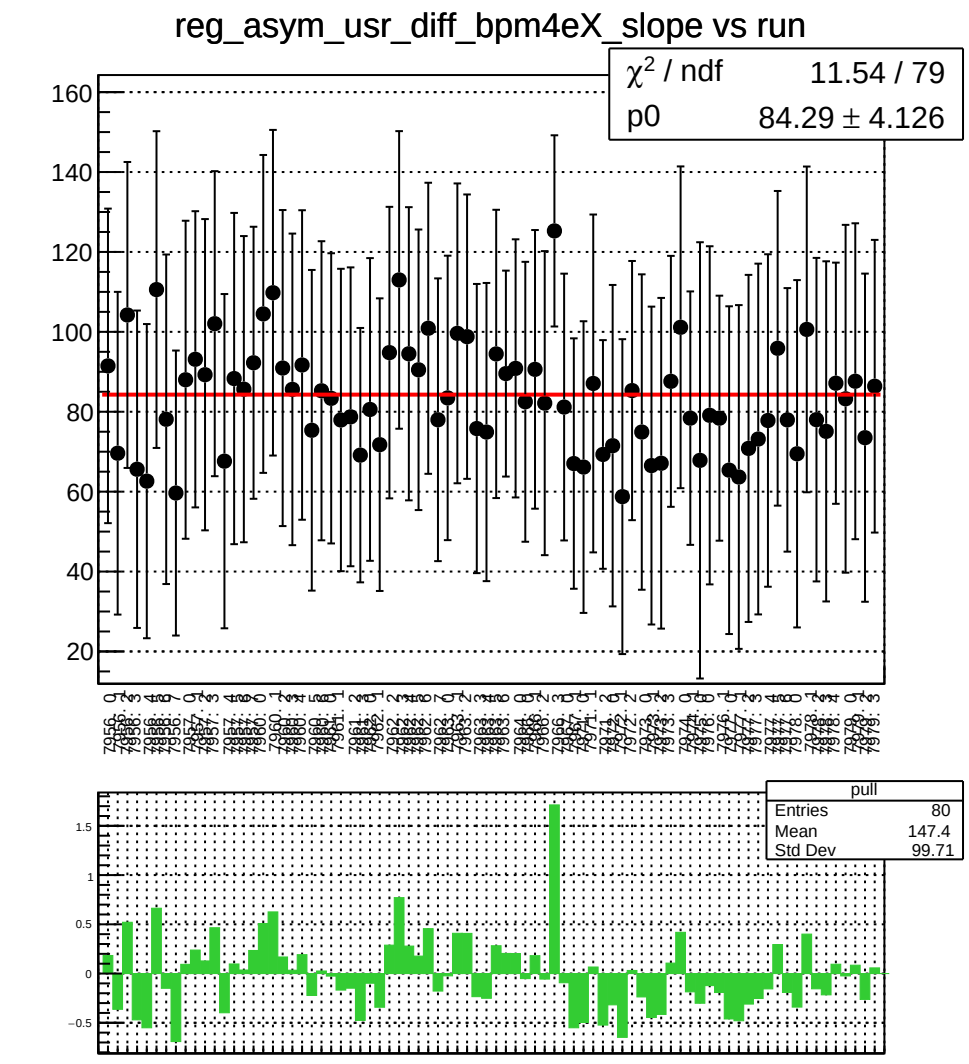

pull1D
Entries 80
Mean −0.1913
Std Dev 3.052

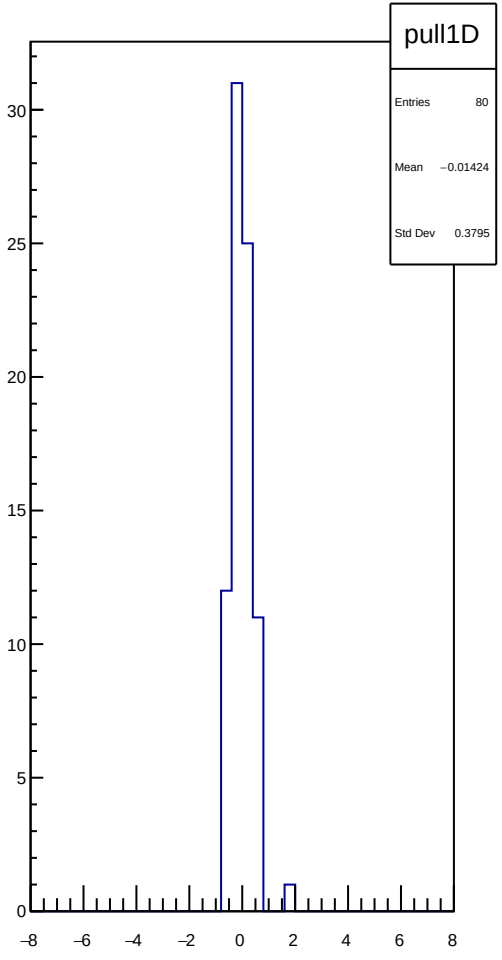

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 11.83 / 79
p0 −23.79 ± 4.664
pull
Entries 80
Mean 154.3
Std Dev 106.8

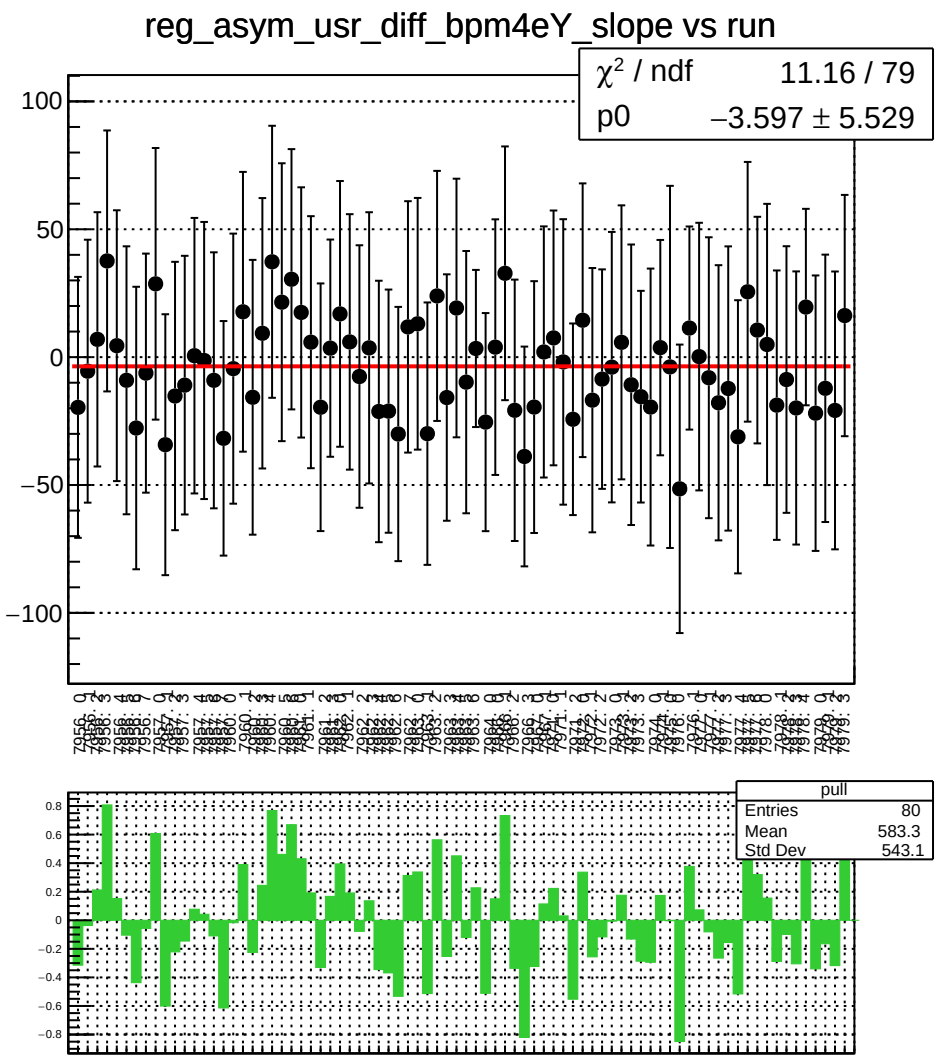

pull1D
Entries 80
Mean 0.01234
Std Dev 0.3844

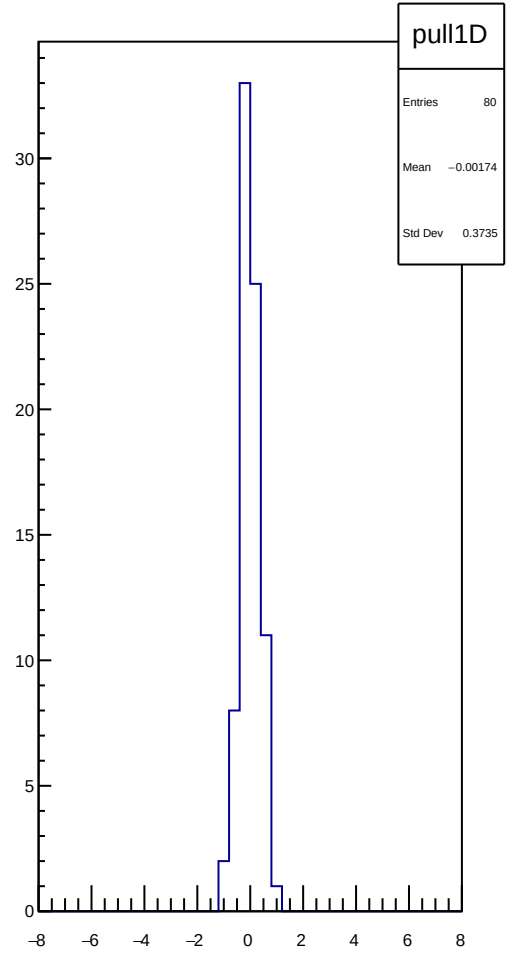

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 10.83 / 79
p0 18.76 ± 4.828
pull
Entries 80
Mean 63.67
Std Dev 41.24

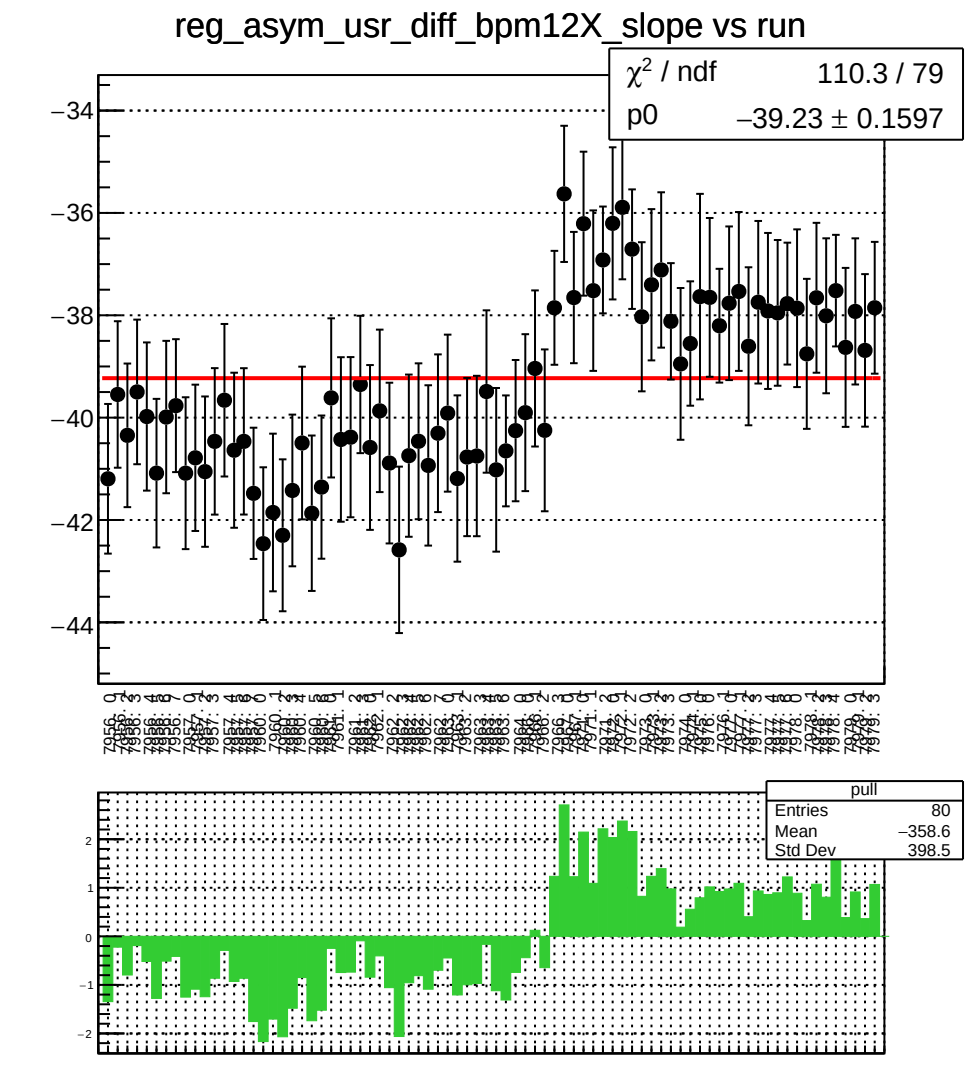

pull1D
Entries 80
Mean 0.003218
Std Dev 0.368

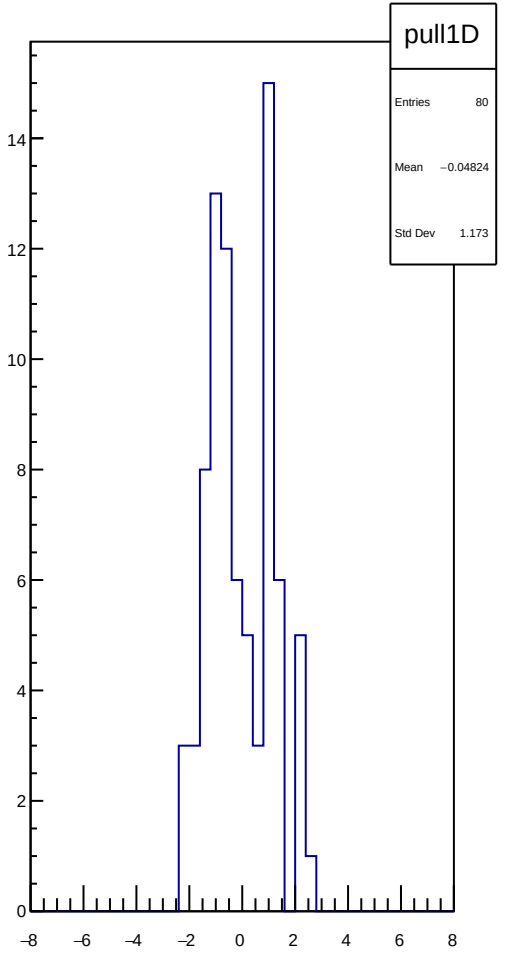

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 11.54 / 79
p0 84.29 ± 4.126
pull
Entries 80
Mean 147.4
Std Dev 99.71

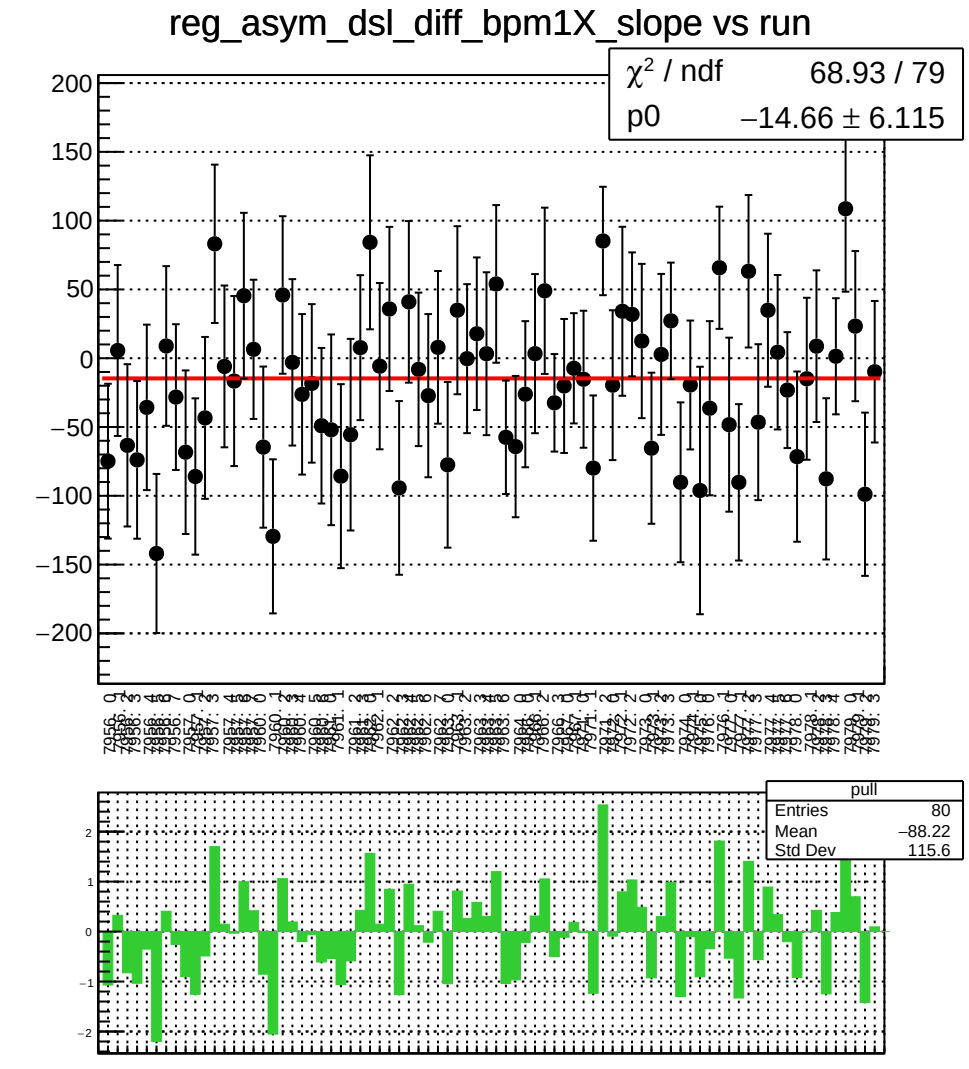

pull1D
Entries 80
Mean −0.01424
Std Dev 0.3795

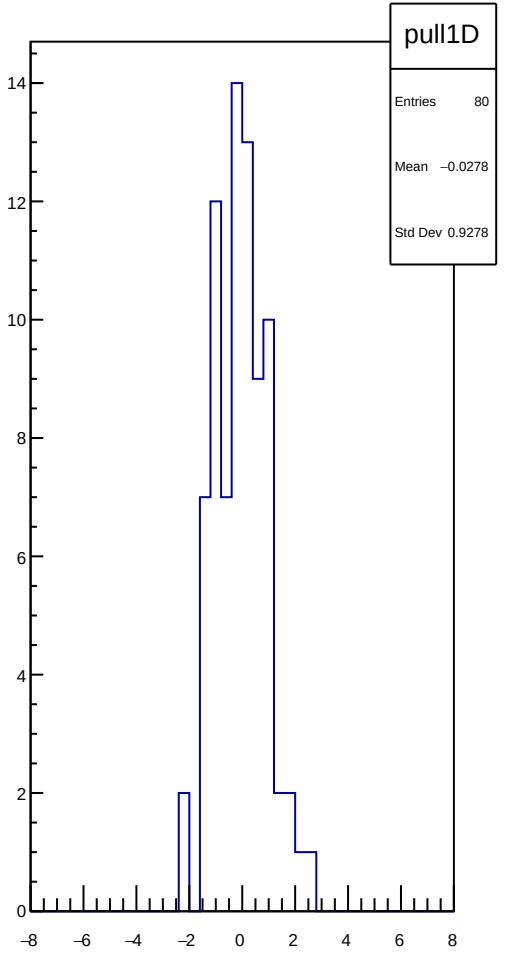

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 11.16 / 79
p0 −3.597 ± 5.529
pull
Entries 80
Mean 583.3
Std Dev 543.1

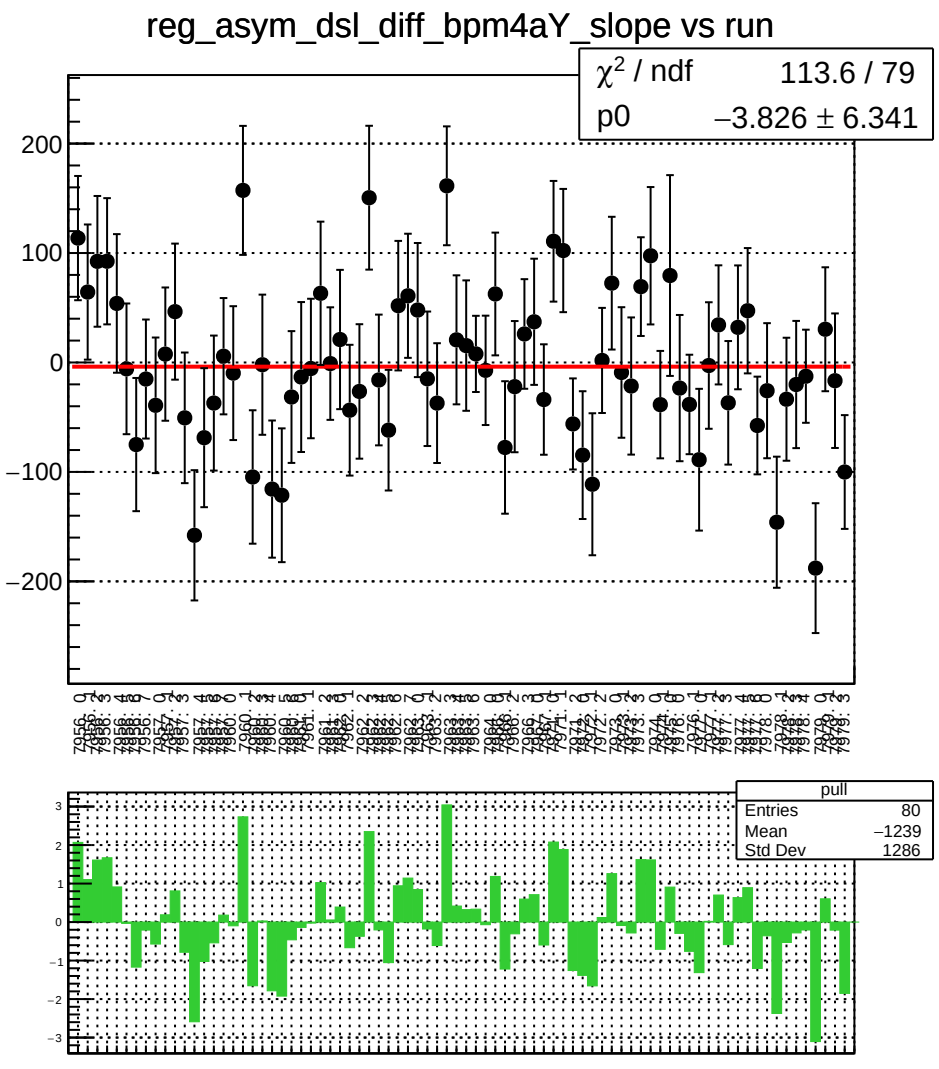

pull1D
Entries 80
Mean −0.00174
Std Dev 0.3735

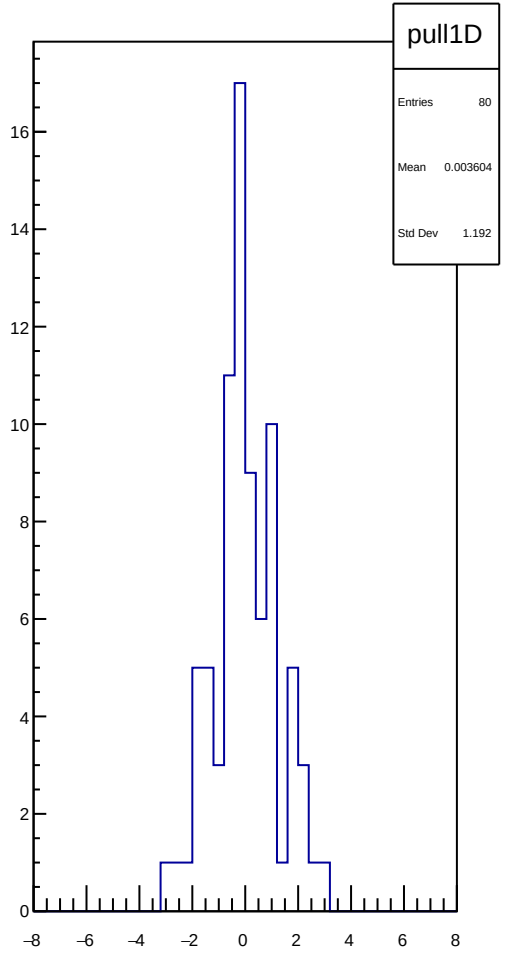

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 110.3 / 79
p0 −39.23 ± 0.1597
pull
Entries 80
Mean −358.6
Std Dev 398.5

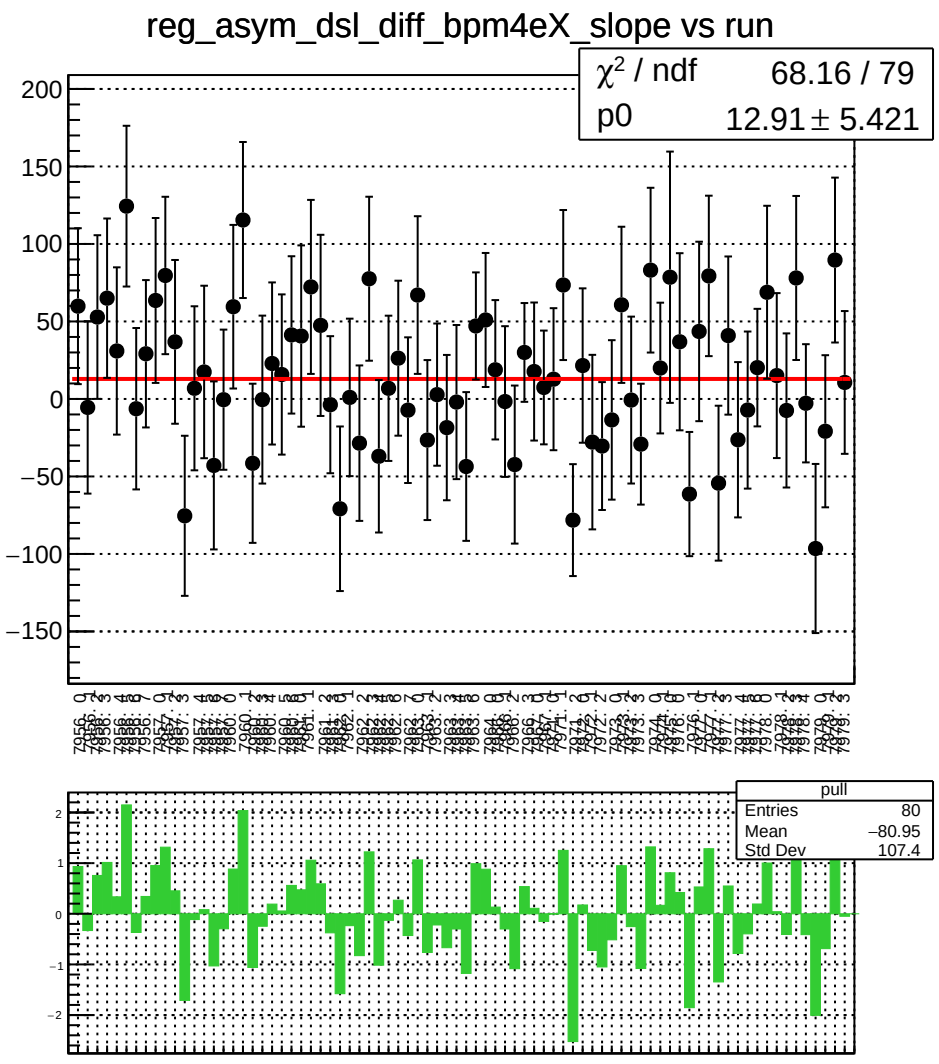

pull1D
Entries 80
Mean −0.04824
Std Dev 1.173

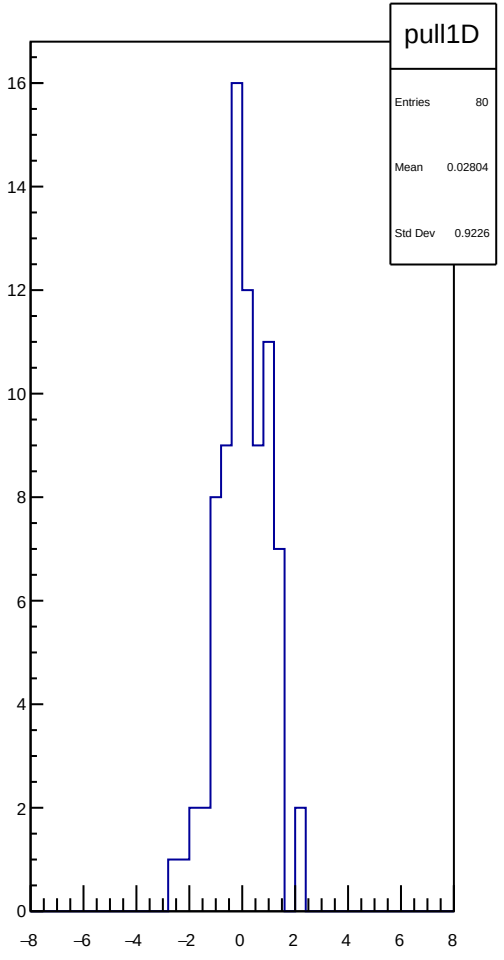

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 68.93 / 79
p0 −14.66 ± 6.115
pull
Entries 80
Mean −88.22
Std Dev 115.6

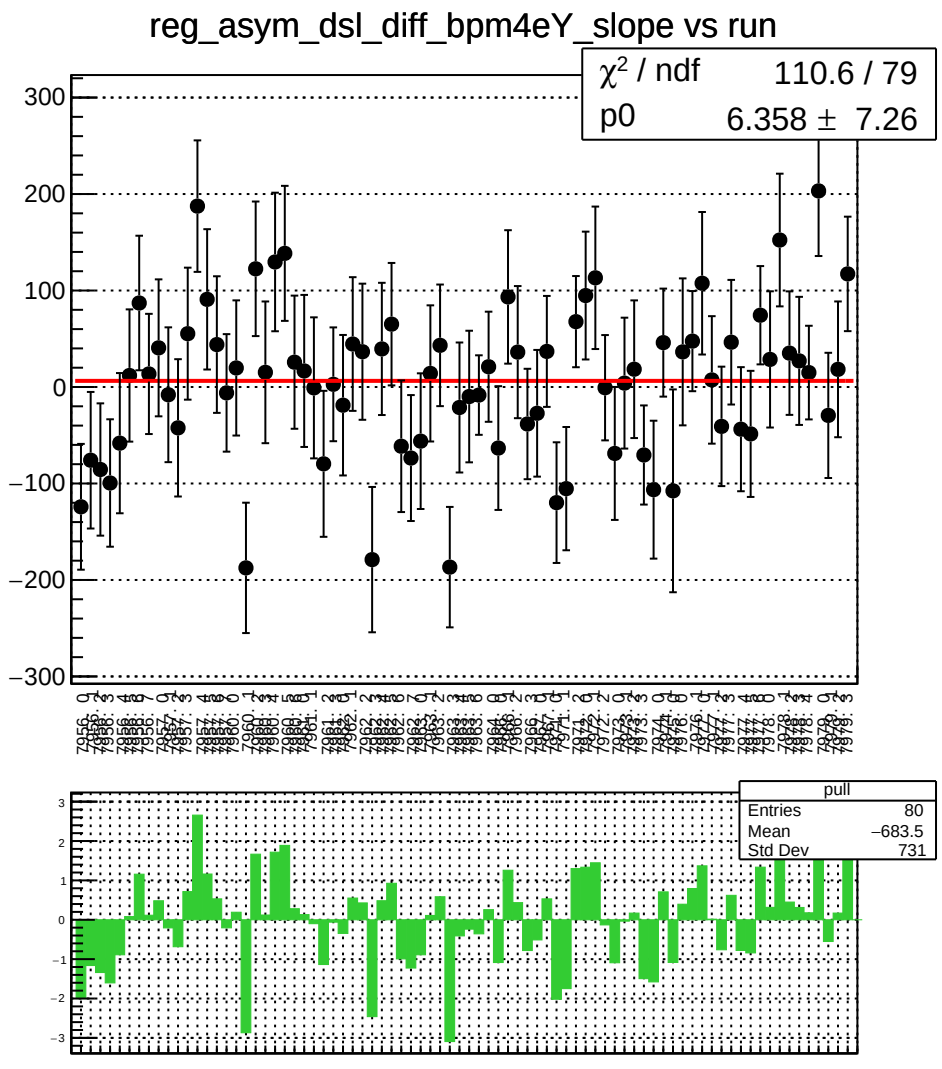

pull1D
Entries 80
Mean −0.0278
Std Dev 0.9278

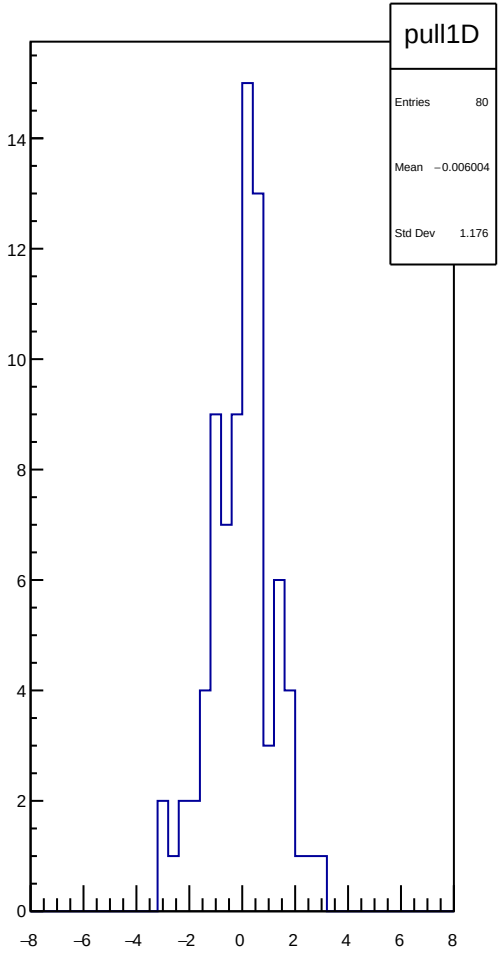

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 113.6 / 79
p0 −3.826 ± 6.341
200
100
0
−100
−200
pull
Entries 80
Mean −1239
Std Dev 1286
3
2
1
0
−1
−2
−3

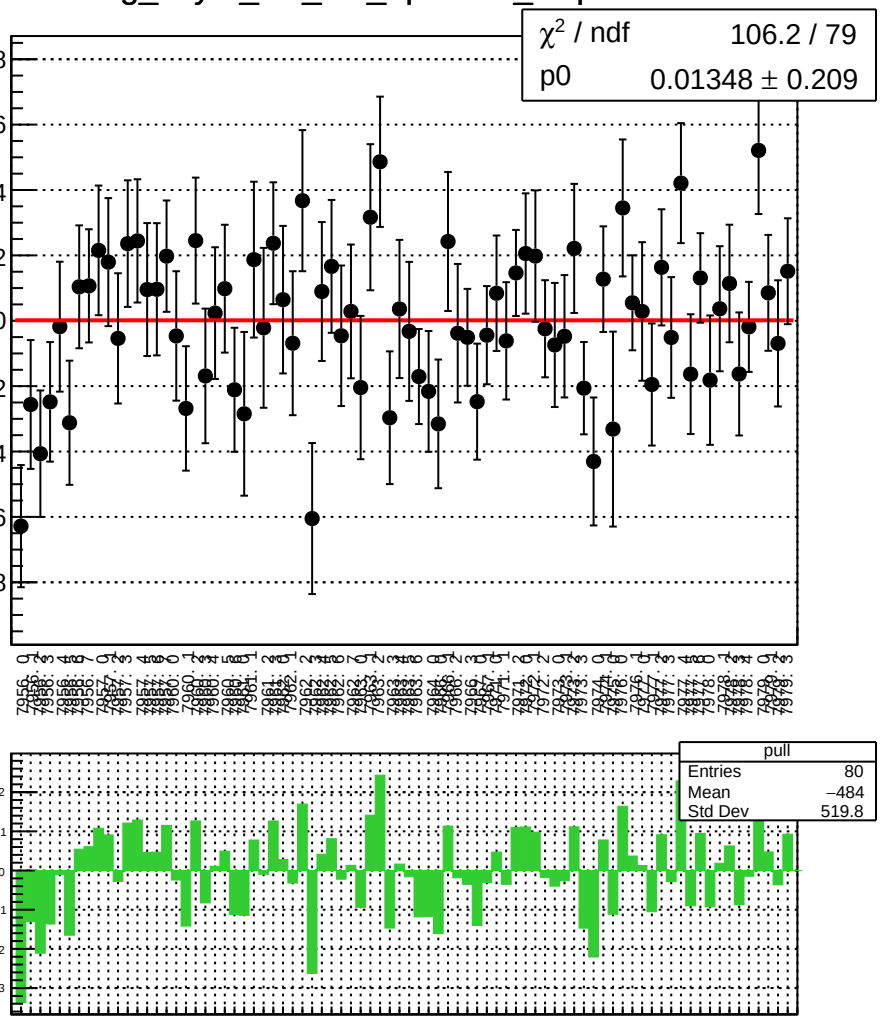

pull1D
Entries 80
Mean 0.003604
Std Dev 1.192
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

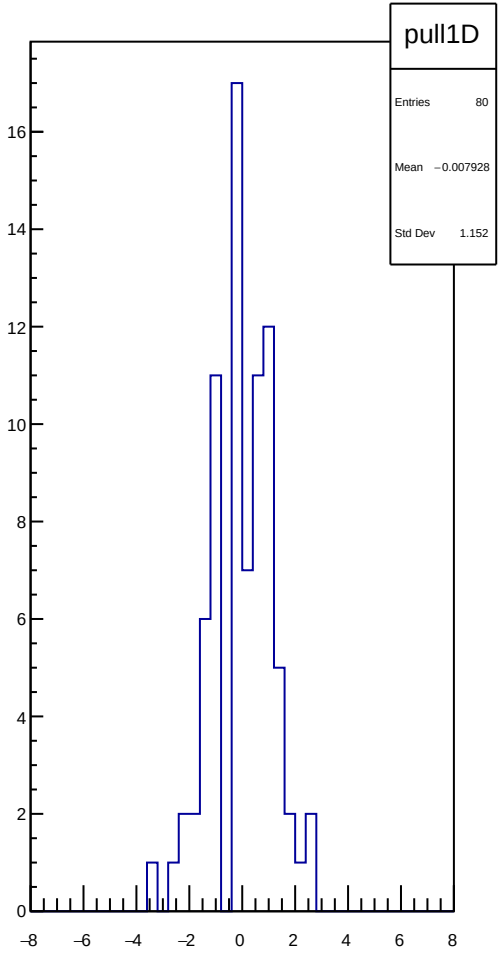

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 68.16 / 79
p0 12.91 ± 5.421
pull
Entries 80
Mean −80.95
Std Dev 107.4

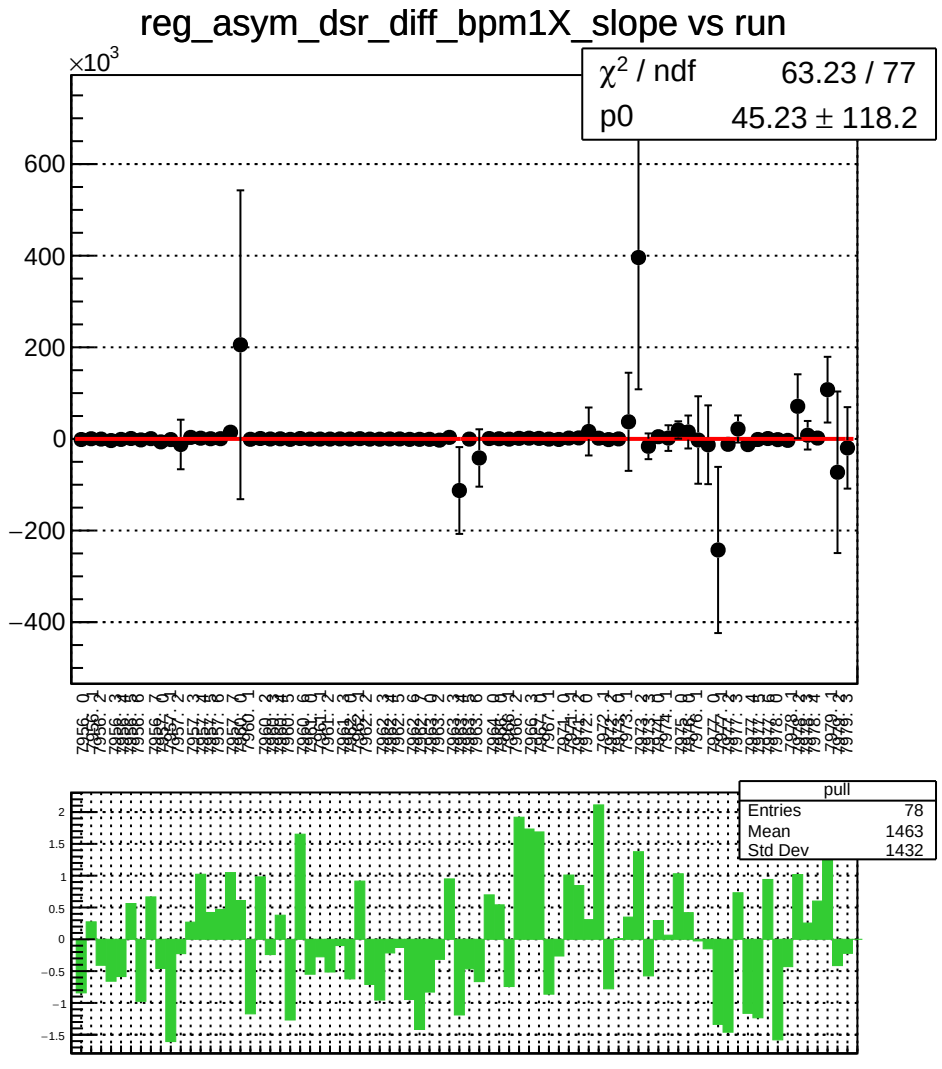

pull1D
Entries 80
Mean 0.02804
Std Dev 0.9226

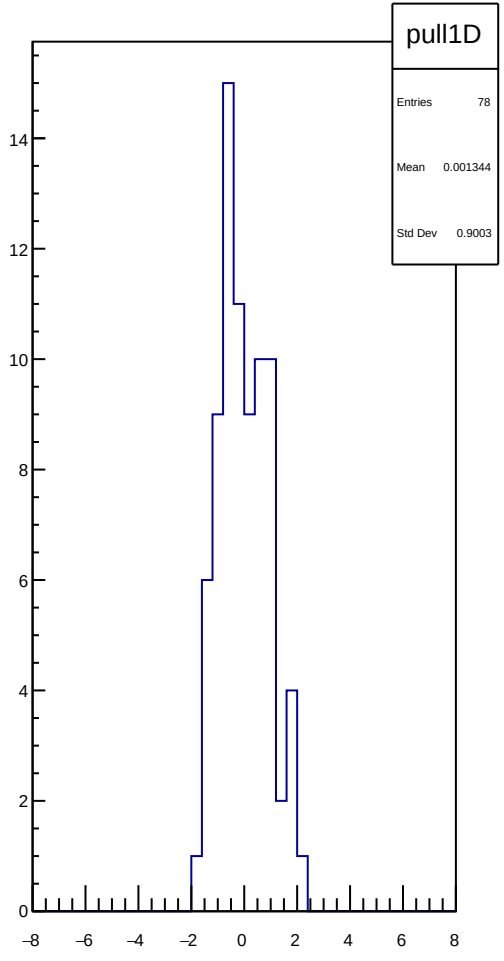

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 110.6 / 79
p0 6.358 ± 7.26
pull
Entries 80
Mean −683.5
Std Dev 731

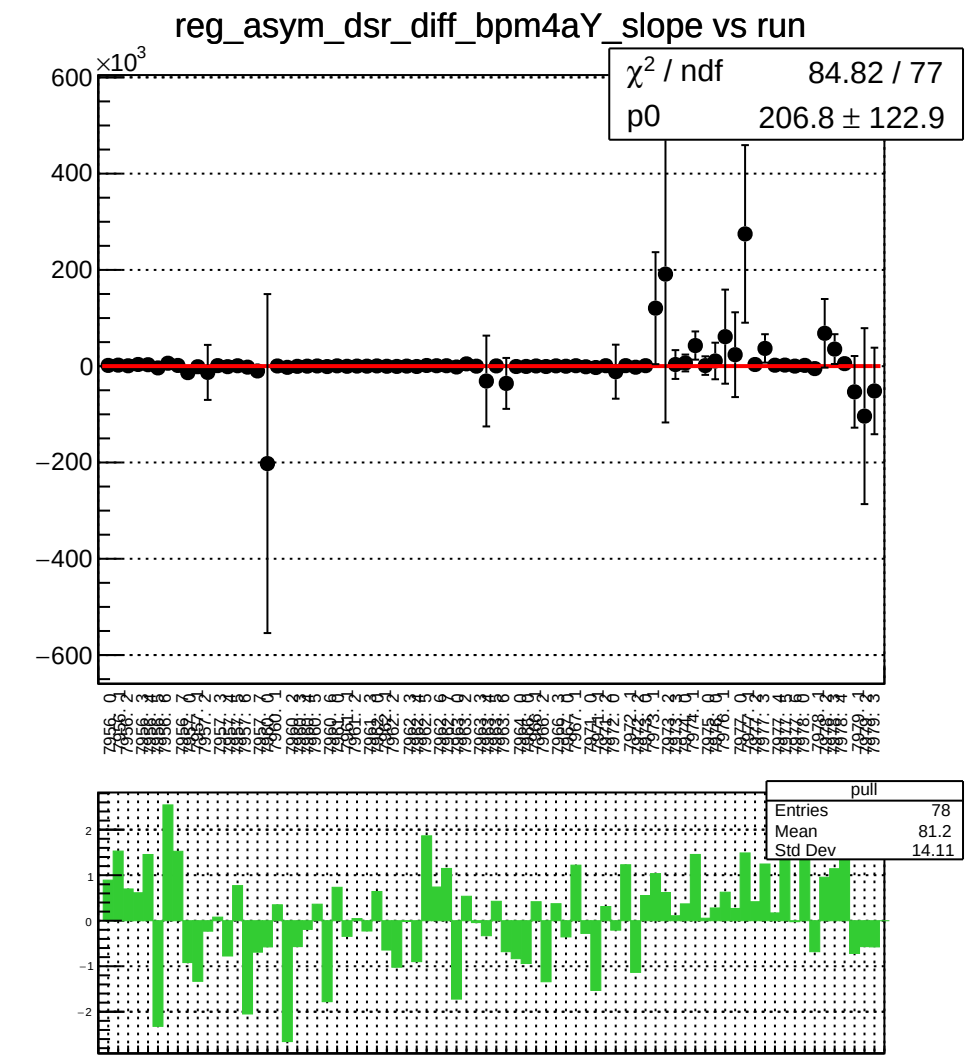

pull1D
Entries 80
Mean −0.006004
Std Dev 1.176

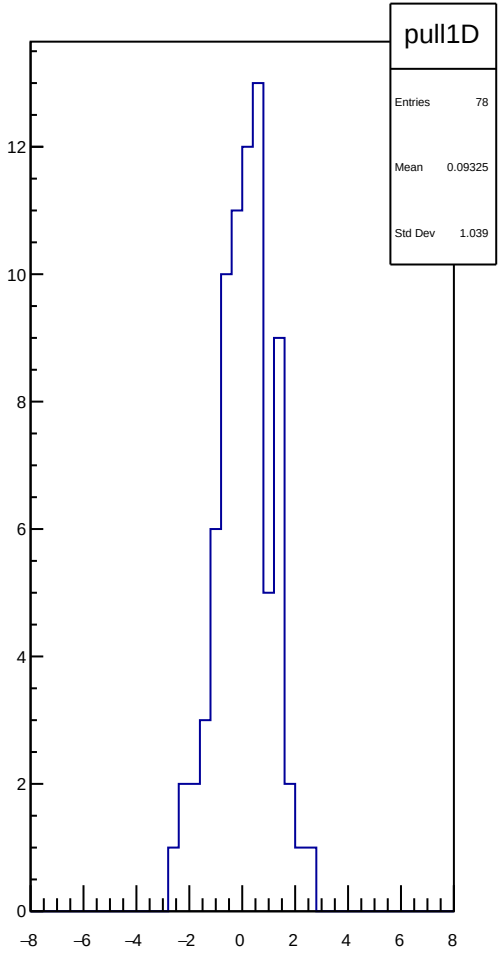

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 106.2 / 79
p0 0.01348 ± 0.209
pull
Entries 80
Mean −484
Std Dev 519.8

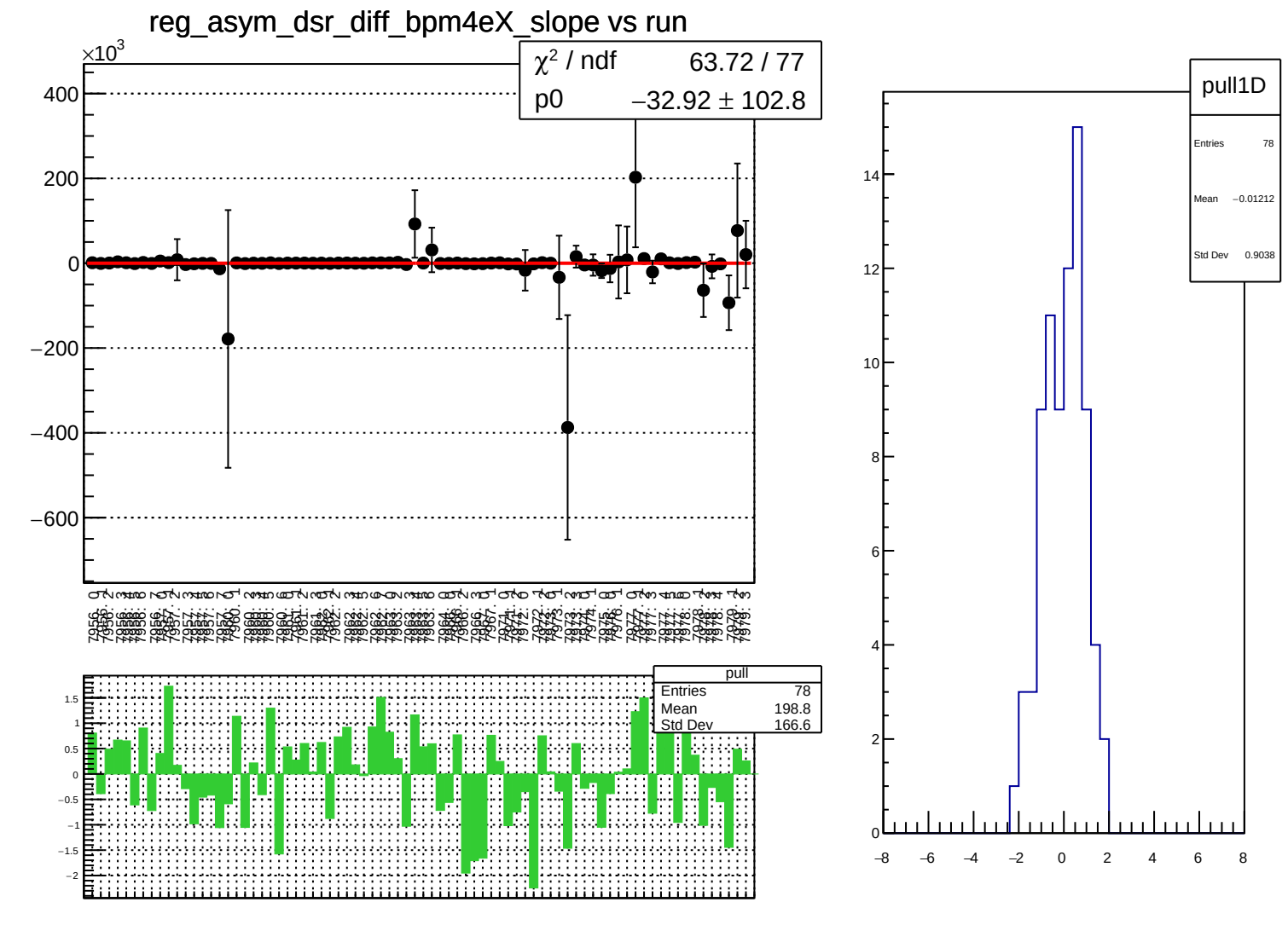

pull1D
Entries 80
Mean −0.007928
Std Dev 1.152

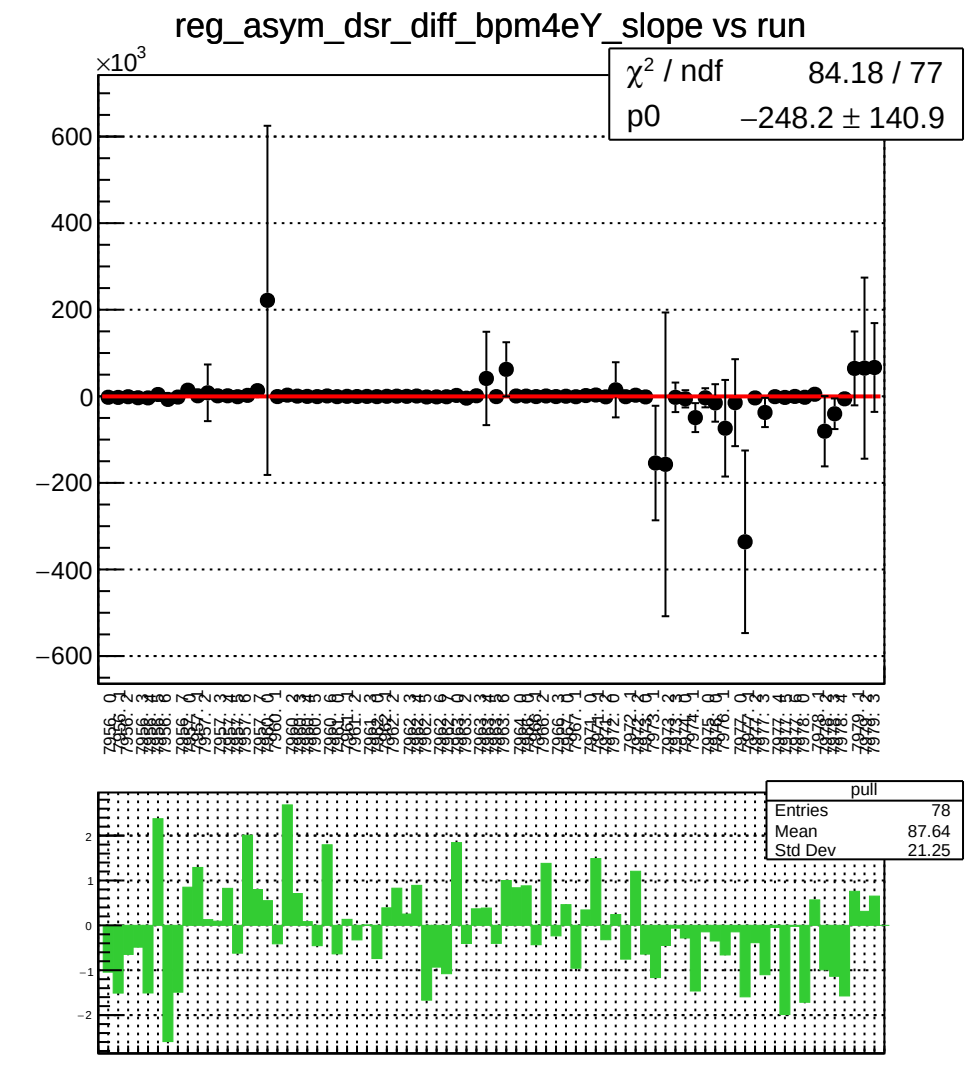

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 63.23 / 77
p0 45.23 ± 118.2
600
400
200
0
−200
−400
pull
Entries 78
Mean 1463
Std Dev 1432
2
1.5
1
0.5
0
−0.5
−1
−1.5

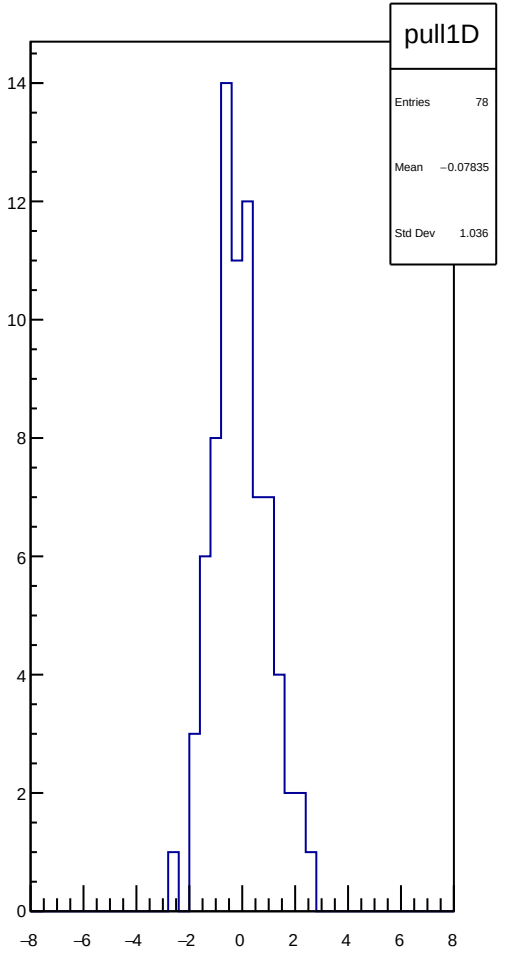

pull1D
Entries 78
Mean 0.001344
Std Dev 0.9003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

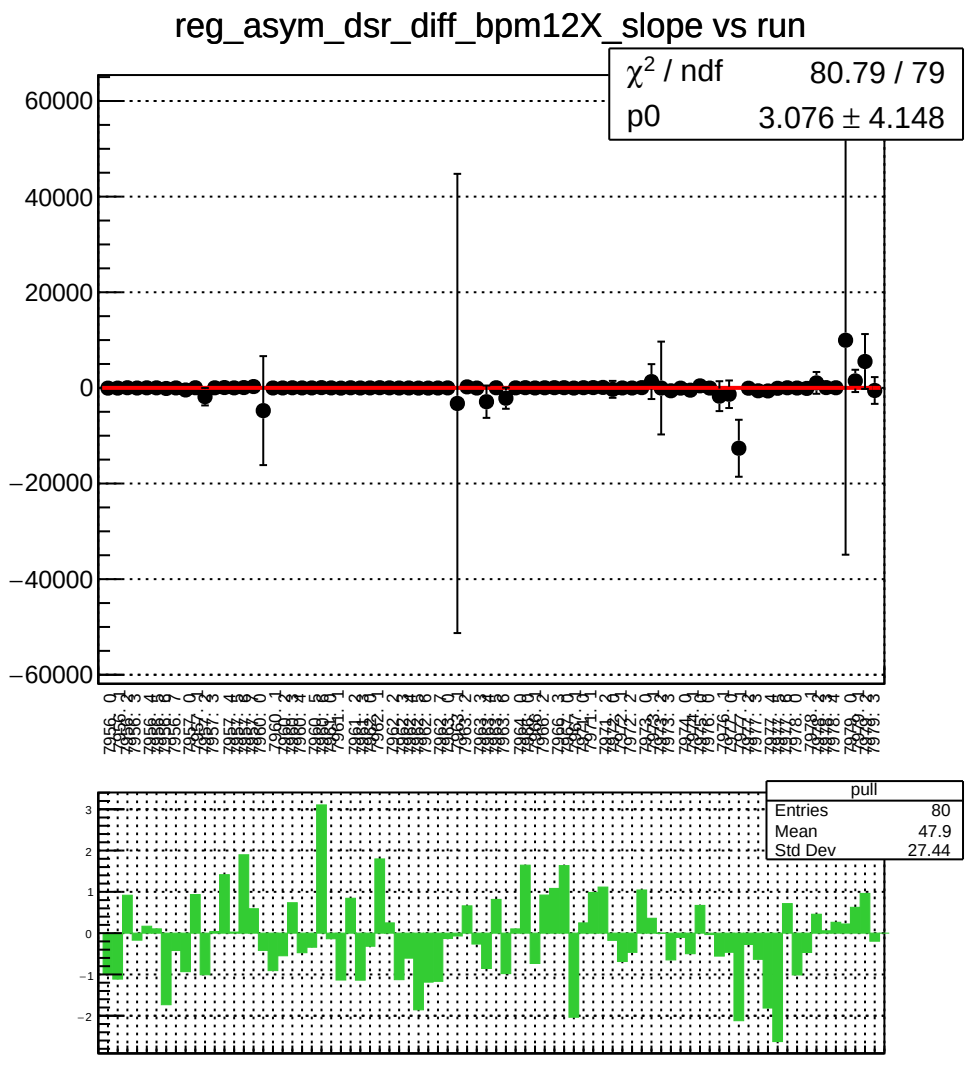

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 84.82 / 77
p0 206.8 ± 122.9
pull
Entries 78
Mean 81.2
Std Dev 14.11

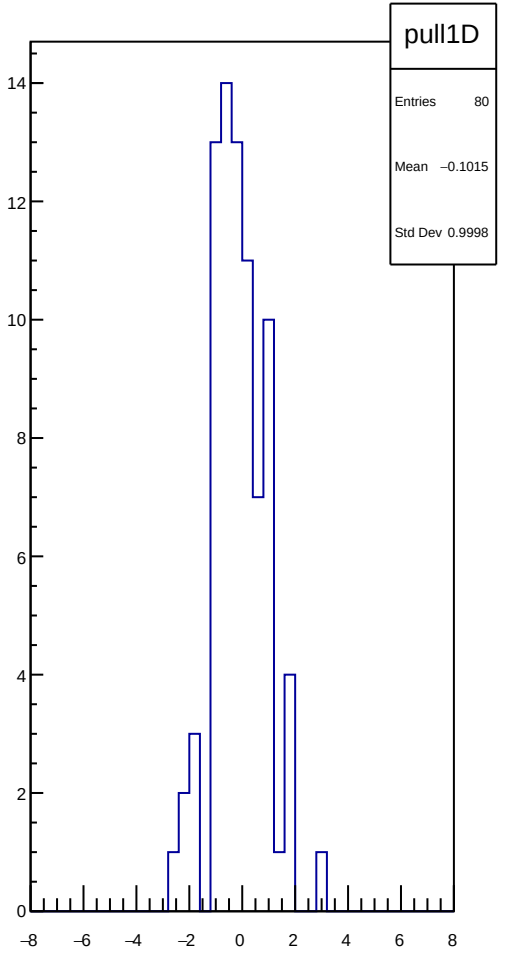

pull1D
Entries 78
Mean 0.09325
Std Dev 1.039

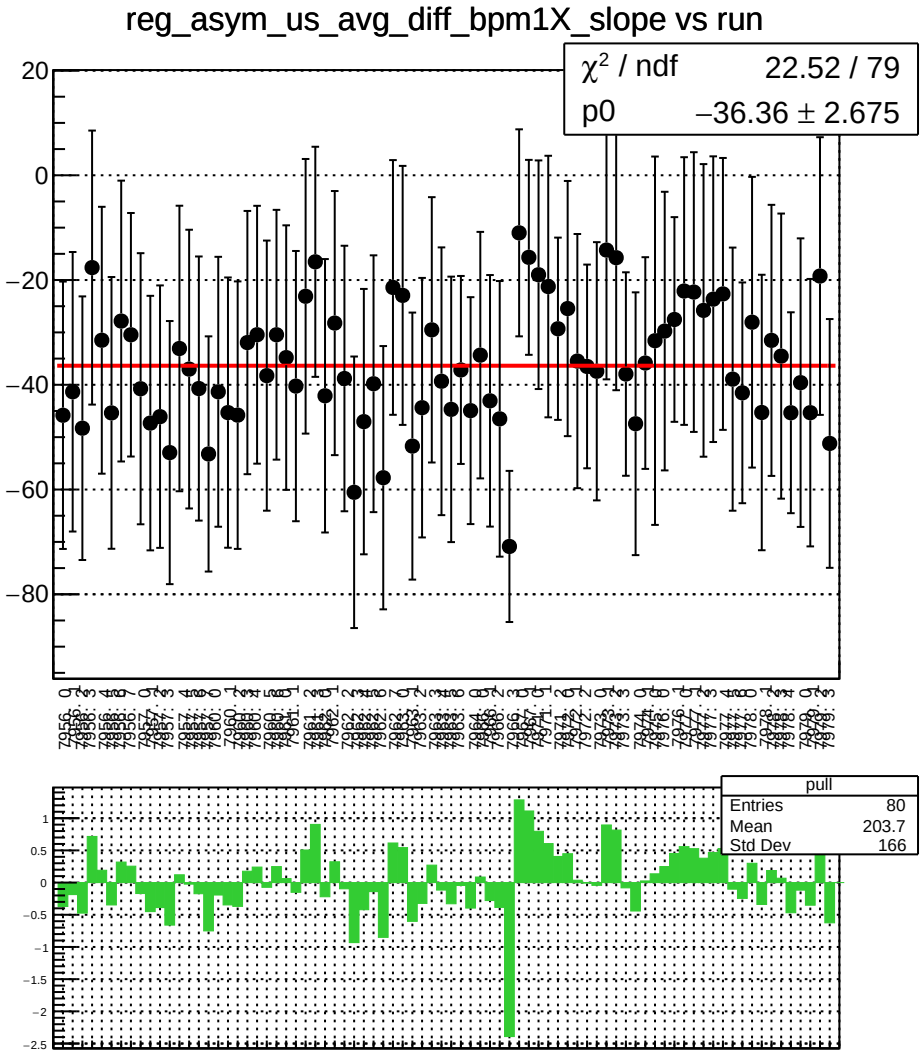

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 63.72 / 77
p0 −32.92 ± 102.8
400
200
0
−200
−400
−600
pull
Entries 78
Mean 198.8
Std Dev 166.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.01212
Std Dev 0.9038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

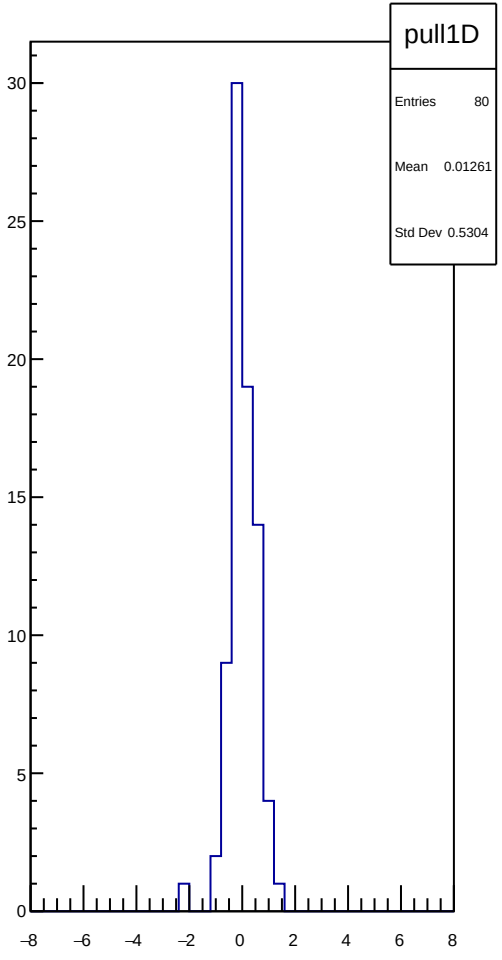

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 84.18 / 77
p0 −248.2 ± 140.9
pull
Entries 78
Mean 87.64
Std Dev 21.25

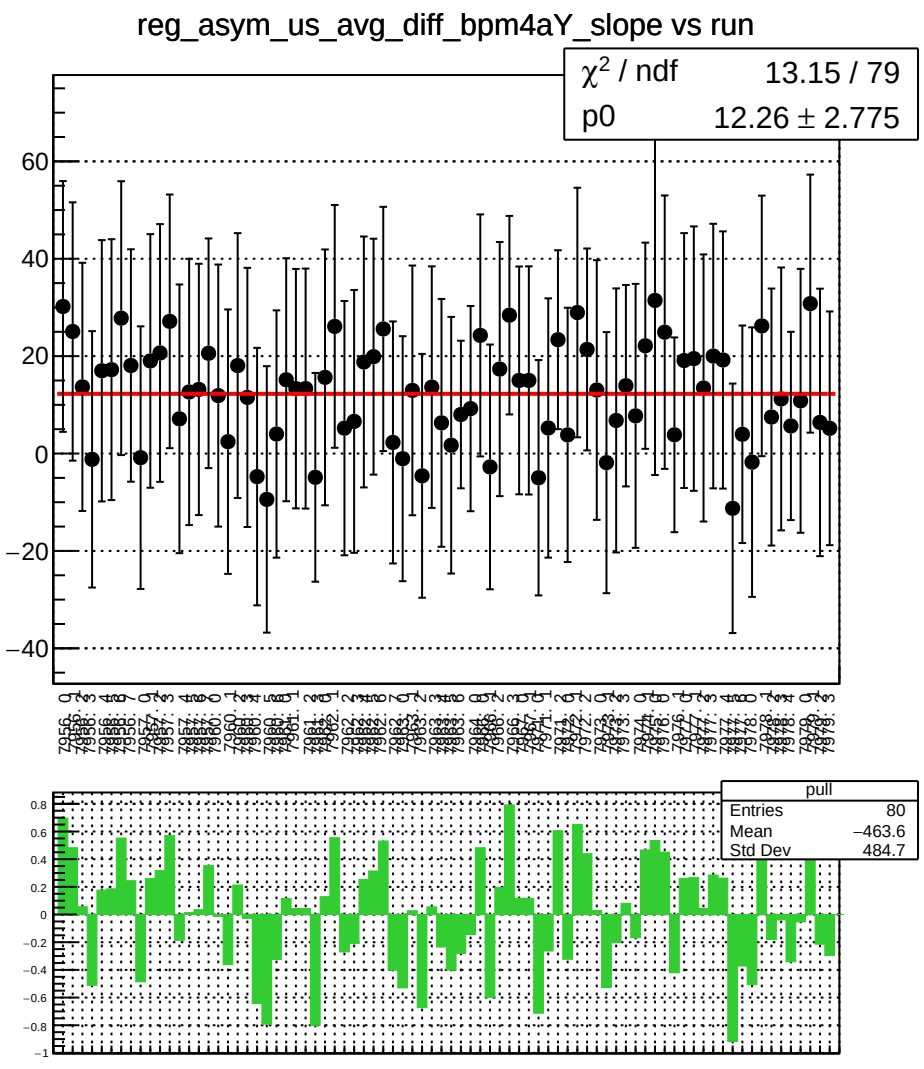

pull1D
Entries 78
Mean −0.07835
Std Dev 1.036

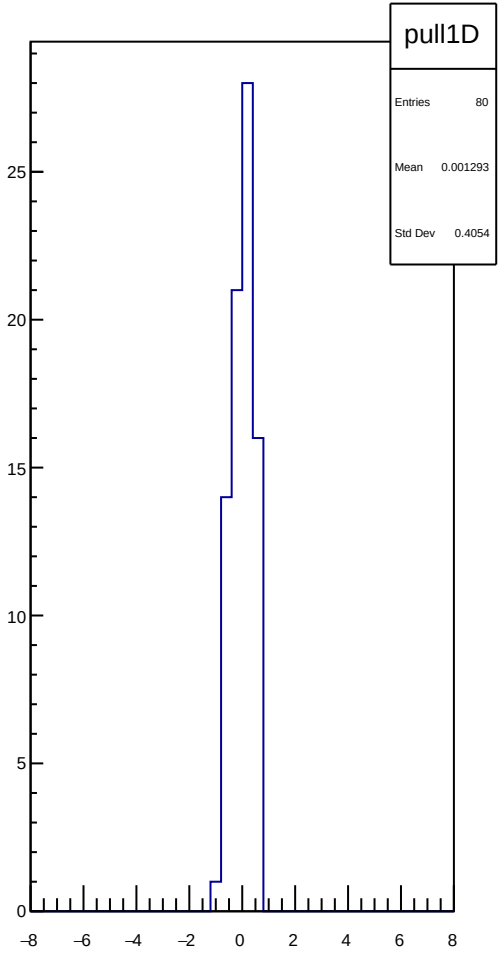

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 80.79 / 79
p0 3.076 ± 4.148
pull
Entries 80
Mean 47.9
Std Dev 27.44

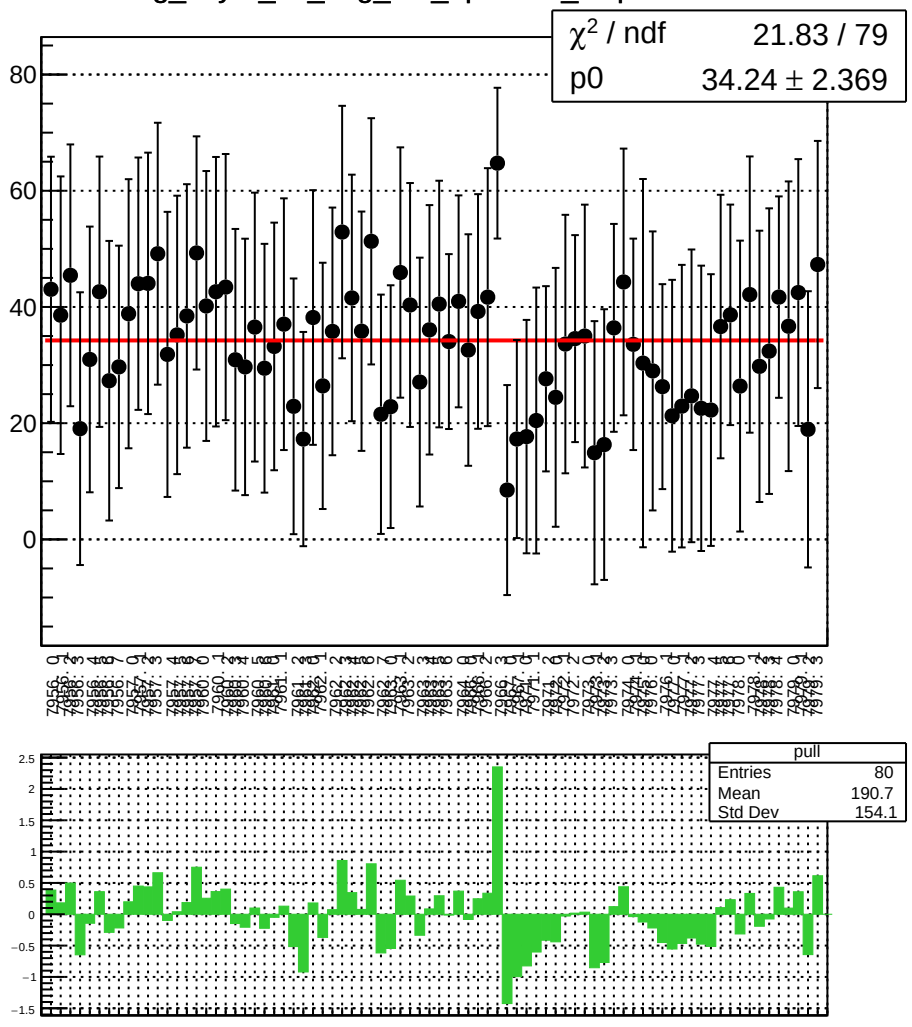

pull1D
Entries 80
Mean −0.1015
Std Dev 0.9998

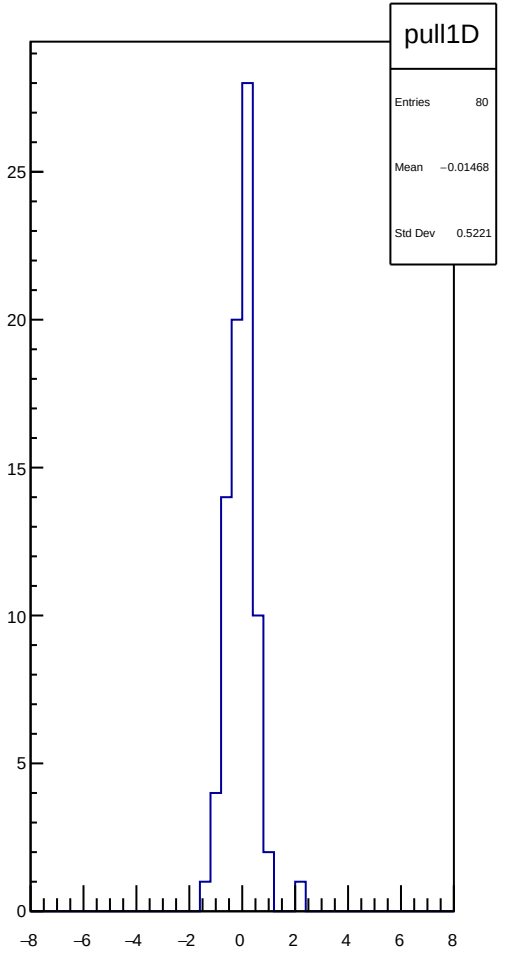

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 22.52 / 79
p0 −36.36 ± 2.675
pull
Entries 80
Mean 203.7
Std Dev 166

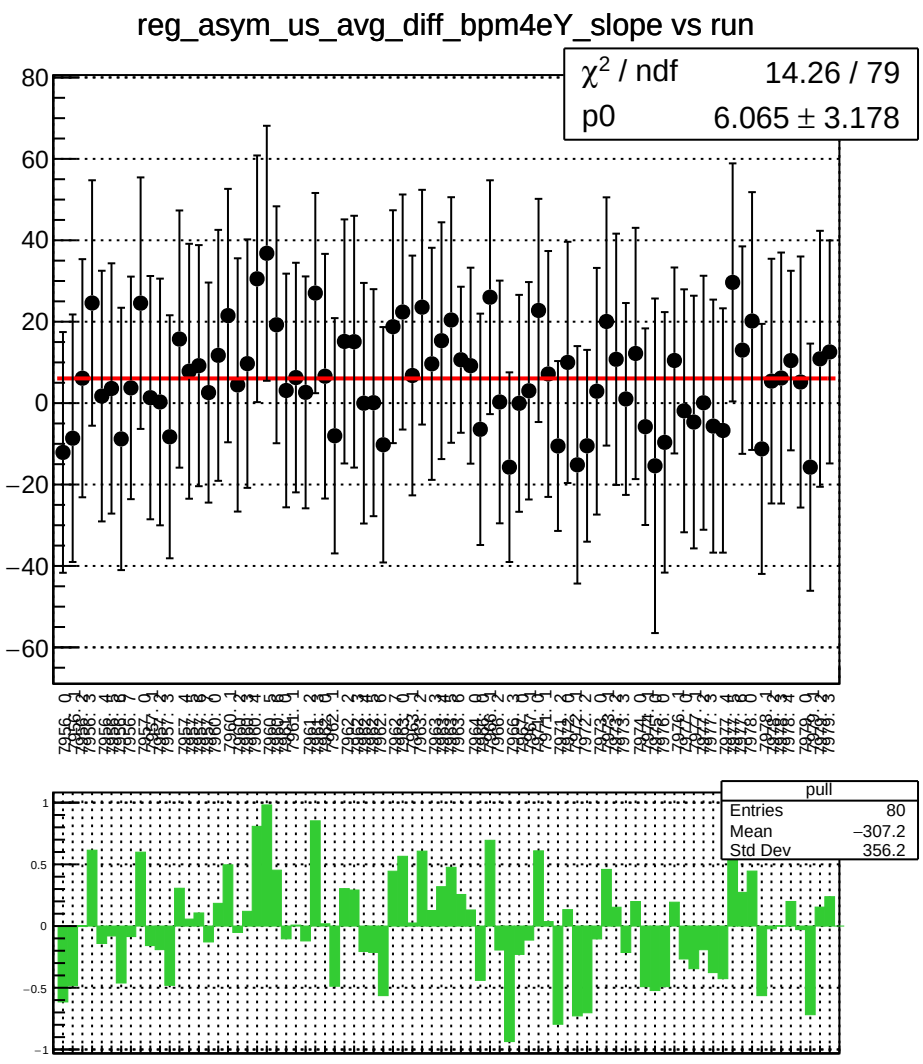

pull1D
Entries 80
Mean 0.01261
Std Dev 0.5304

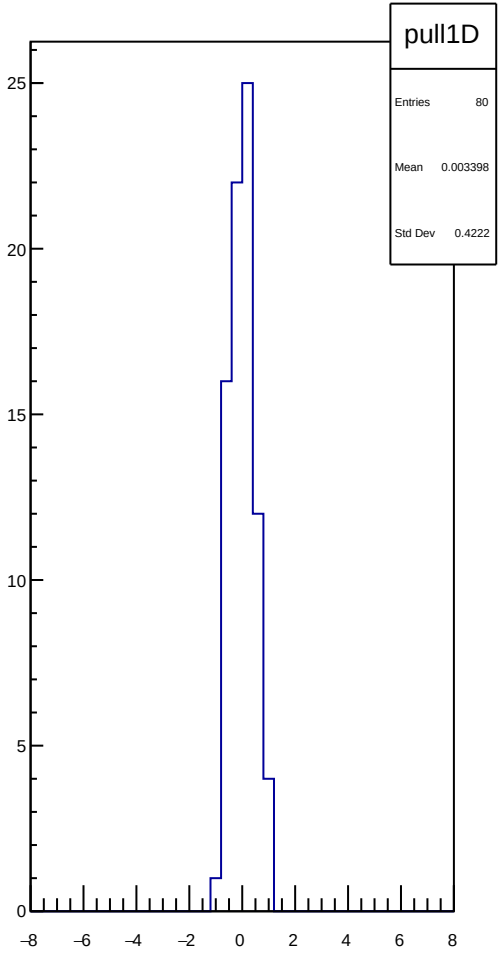

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.15 / 79
p0 12.26 ± 2.775
pull
Entries 80
Mean −463.6
Std Dev 484.7

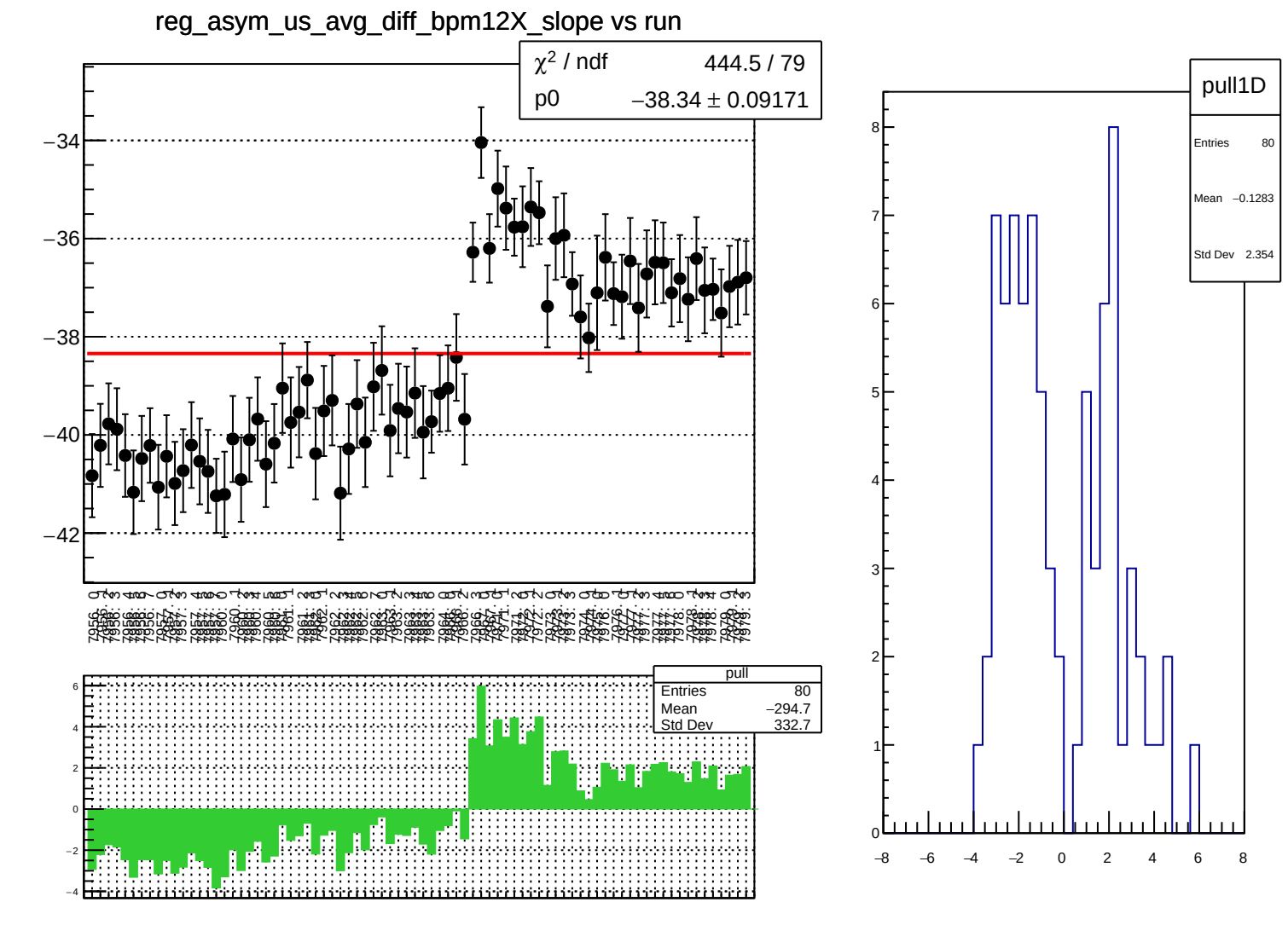

pull1D
Entries 80
Mean 0.001293
Std Dev 0.4054

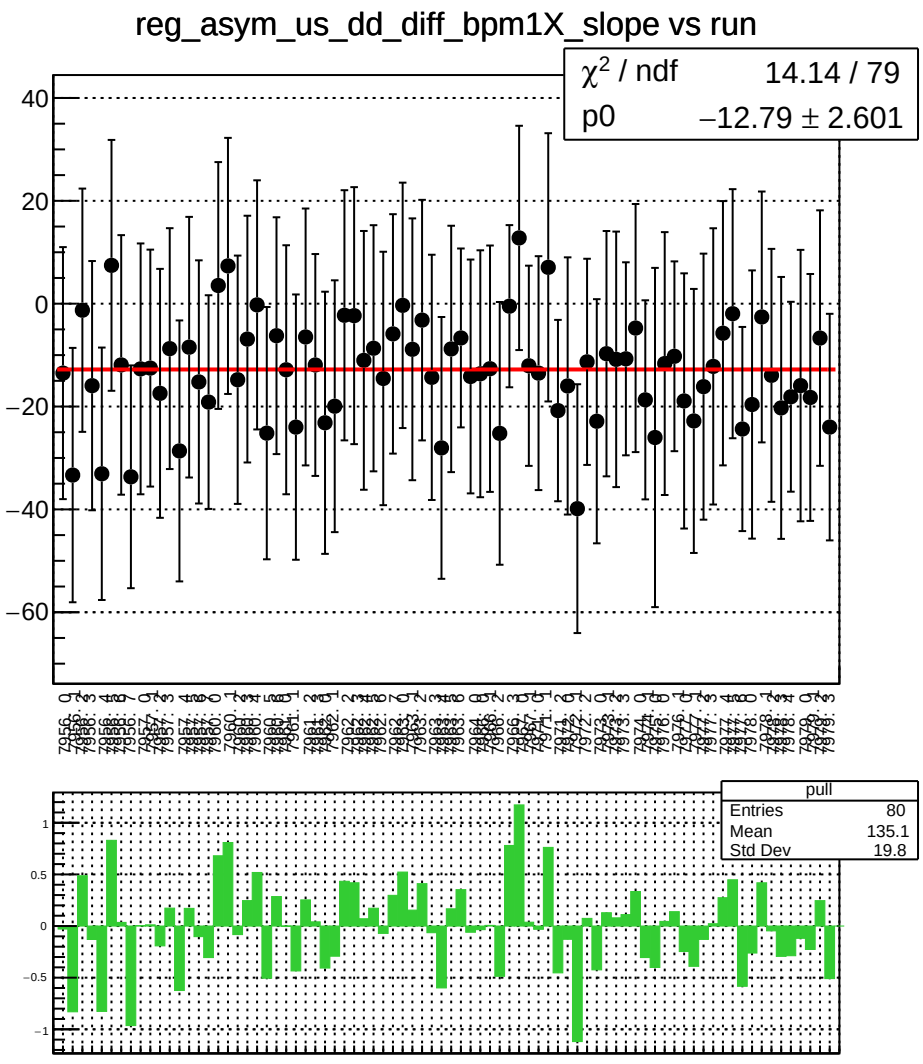

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.83 / 79
p0 34.24 ± 2.369
pull
Entries 80
Mean 190.7
Std Dev 154.1

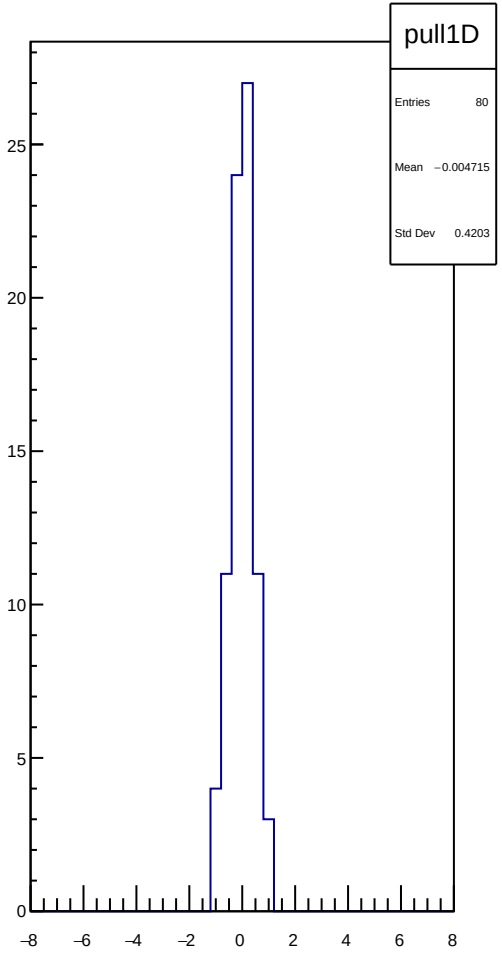

pull1D
Entries 80
Mean −0.01468
Std Dev 0.5221

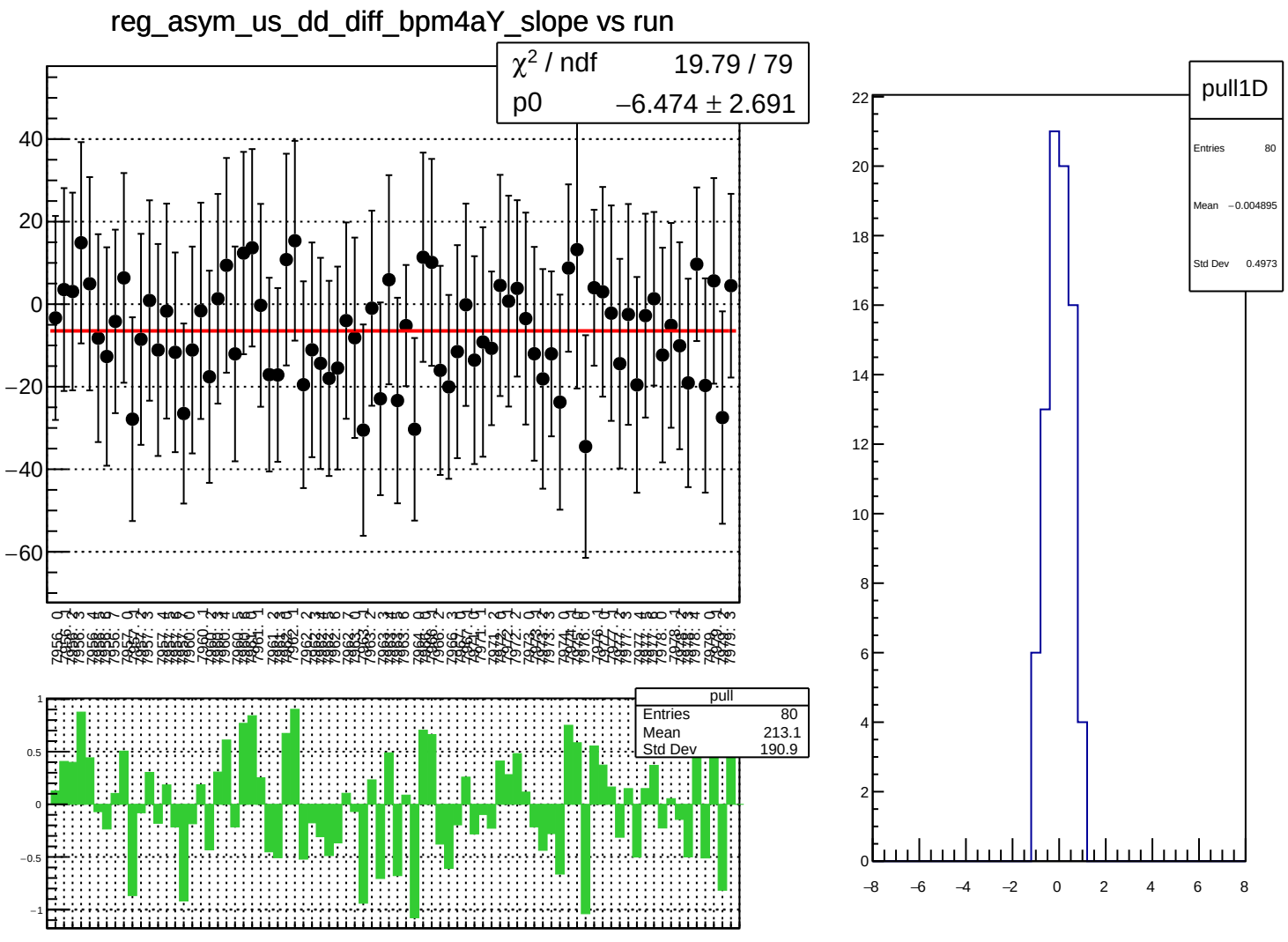

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.26 / 79
p0 6.065 ± 3.178
pull
Entries 80
Mean −307.2
Std Dev 356.2

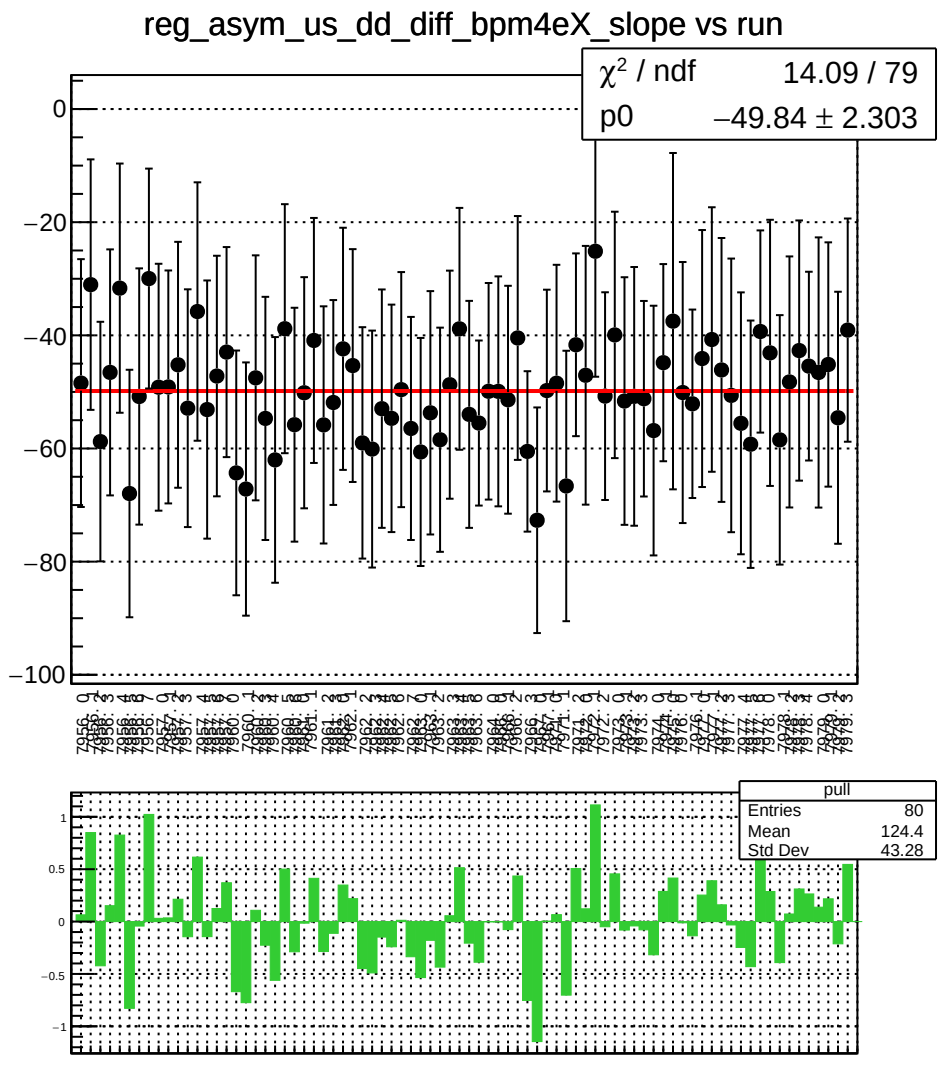

pull1D
Entries 80
Mean 0.003398
Std Dev 0.4222

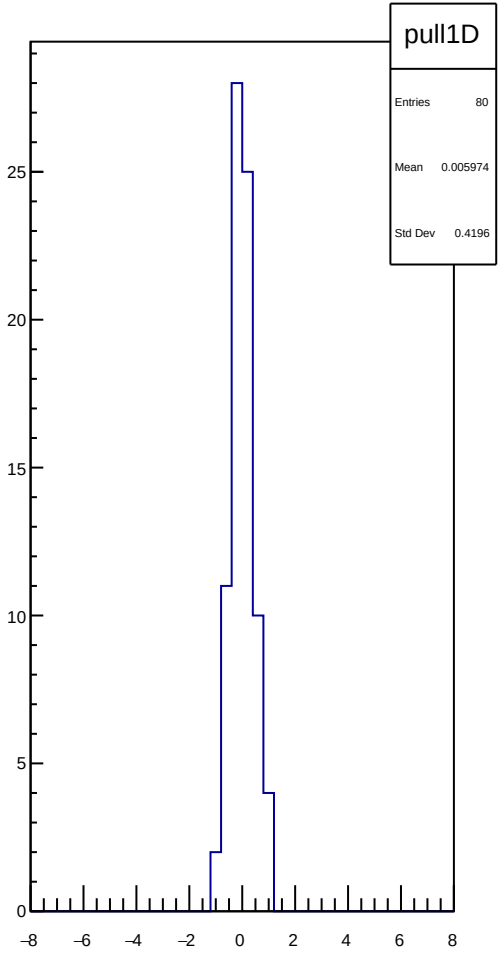

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 444.5 / 79
p0 −38.34 ± 0.09171
pull
Entries 80
Mean −294.7
Std Dev 332.7
pull1D
Entries 80
Mean −0.1283
Std Dev 2.354

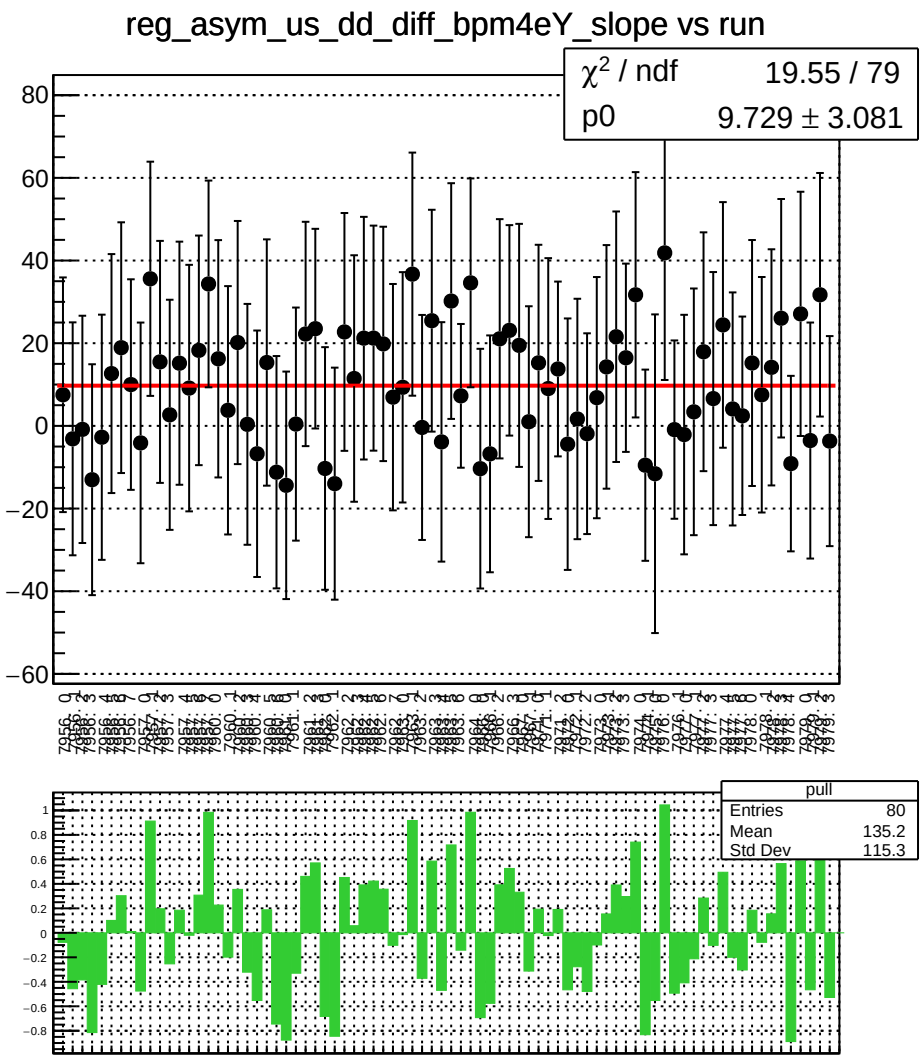

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 14.14 / 79
p0 −12.79 ± 2.601
pull
Entries 80
Mean 135.1
Std Dev 19.8

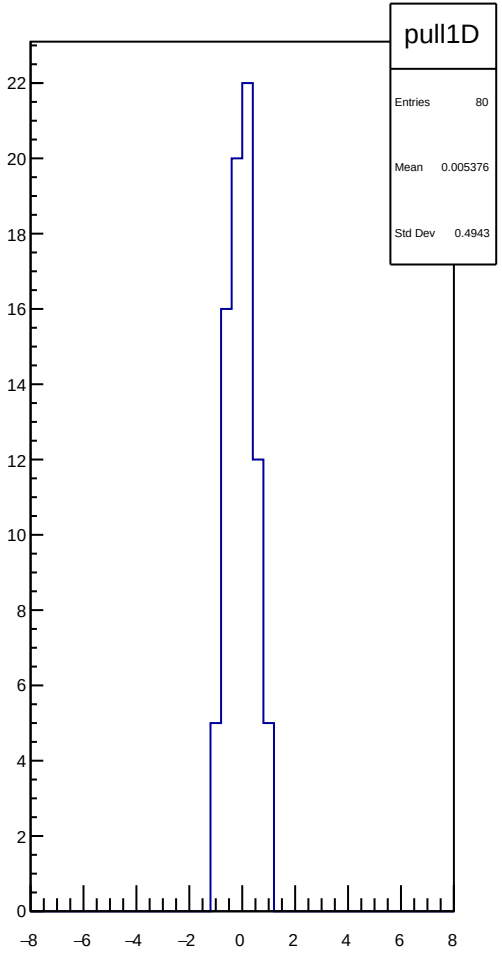

pull1D
Entries 80
Mean −0.004715
Std Dev 0.4203

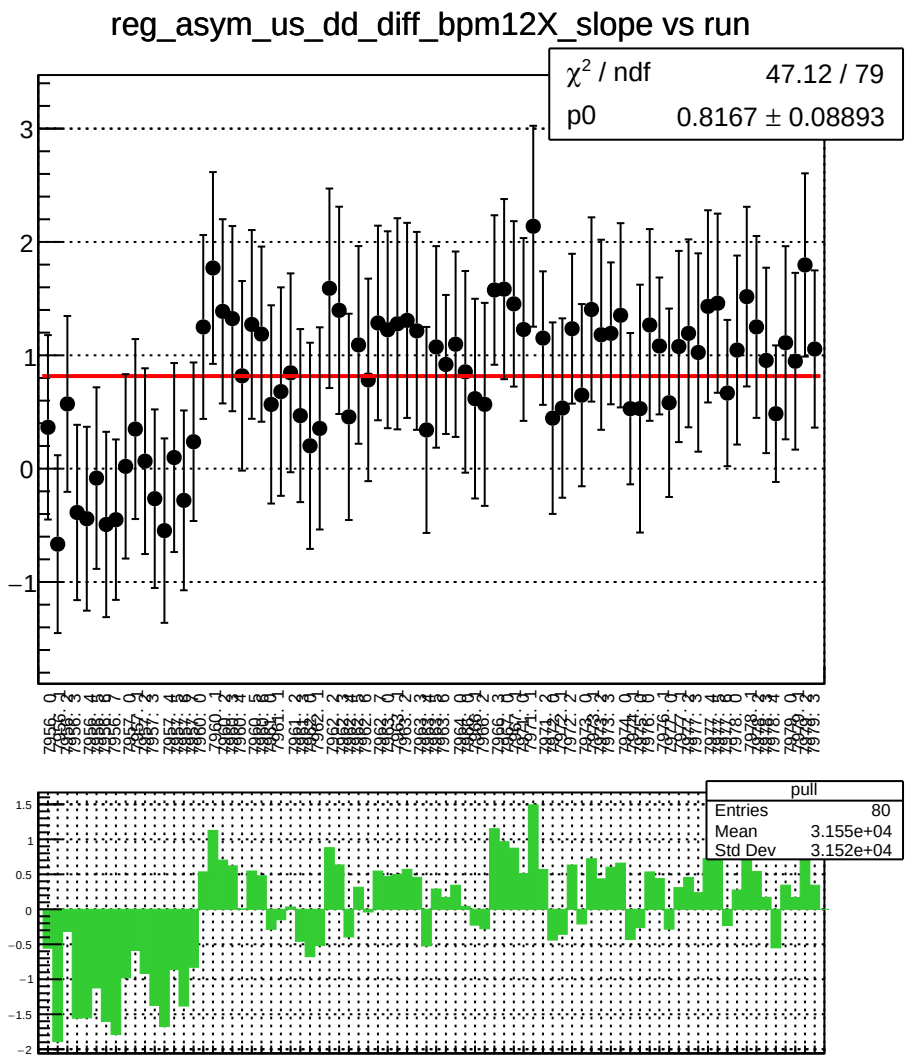

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.79 / 79
p0 −6.474 ± 2.691
pull
Entries 80
Mean 213.1
Std Dev 190.9
pull1D
Entries 80
Mean −0.004895
Std Dev 0.4973

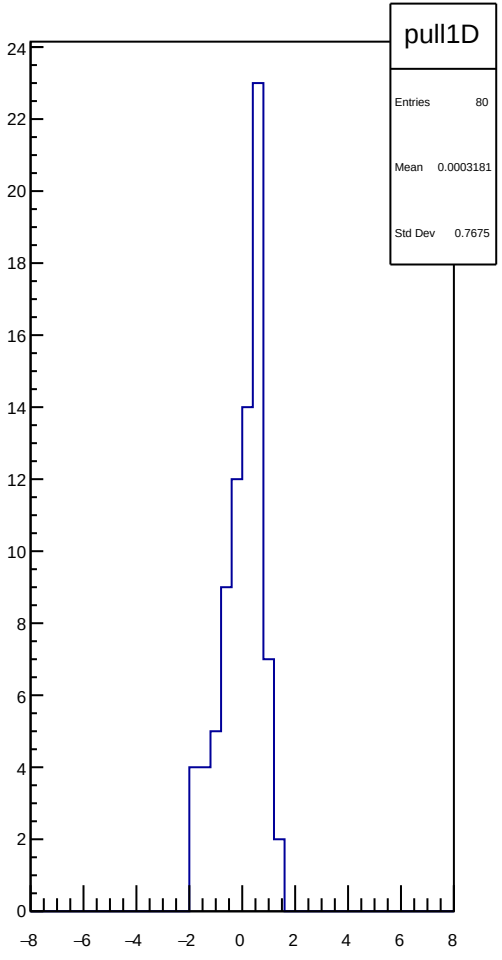

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.09 / 79
p0 −49.84 ± 2.303
pull
Entries 80
Mean 124.4
Std Dev 43.28

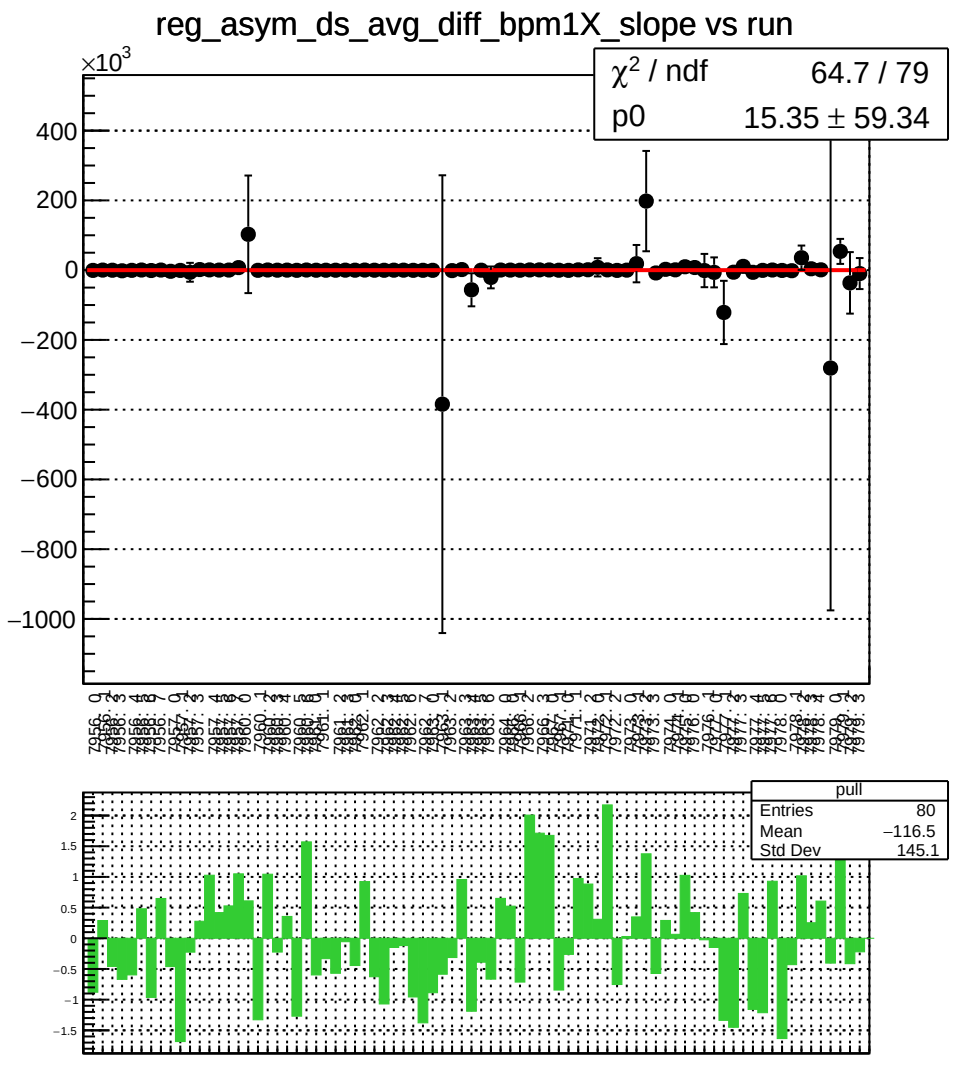

pull1D
Entries 80
Mean 0.005974
Std Dev 0.4196

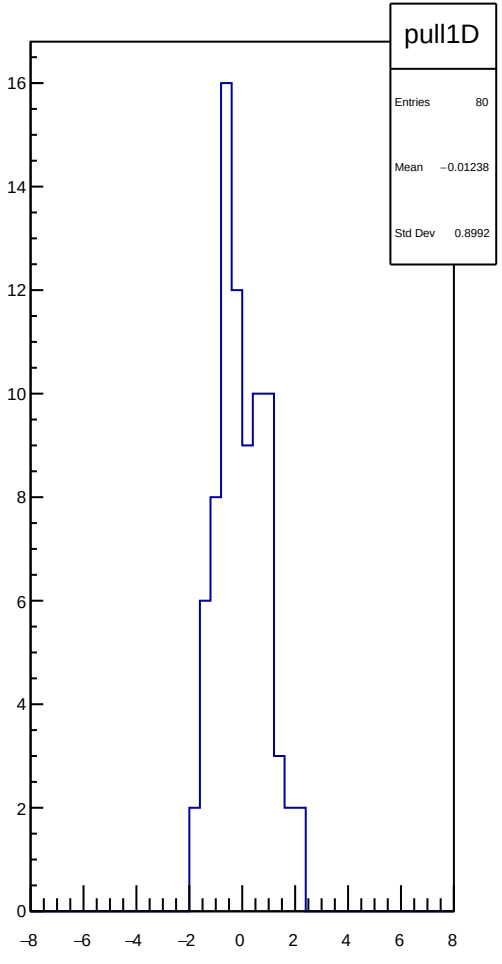

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.55 / 79
p0 9.729 ± 3.081
pull
Entries 80
Mean 135.2
Std Dev 115.3

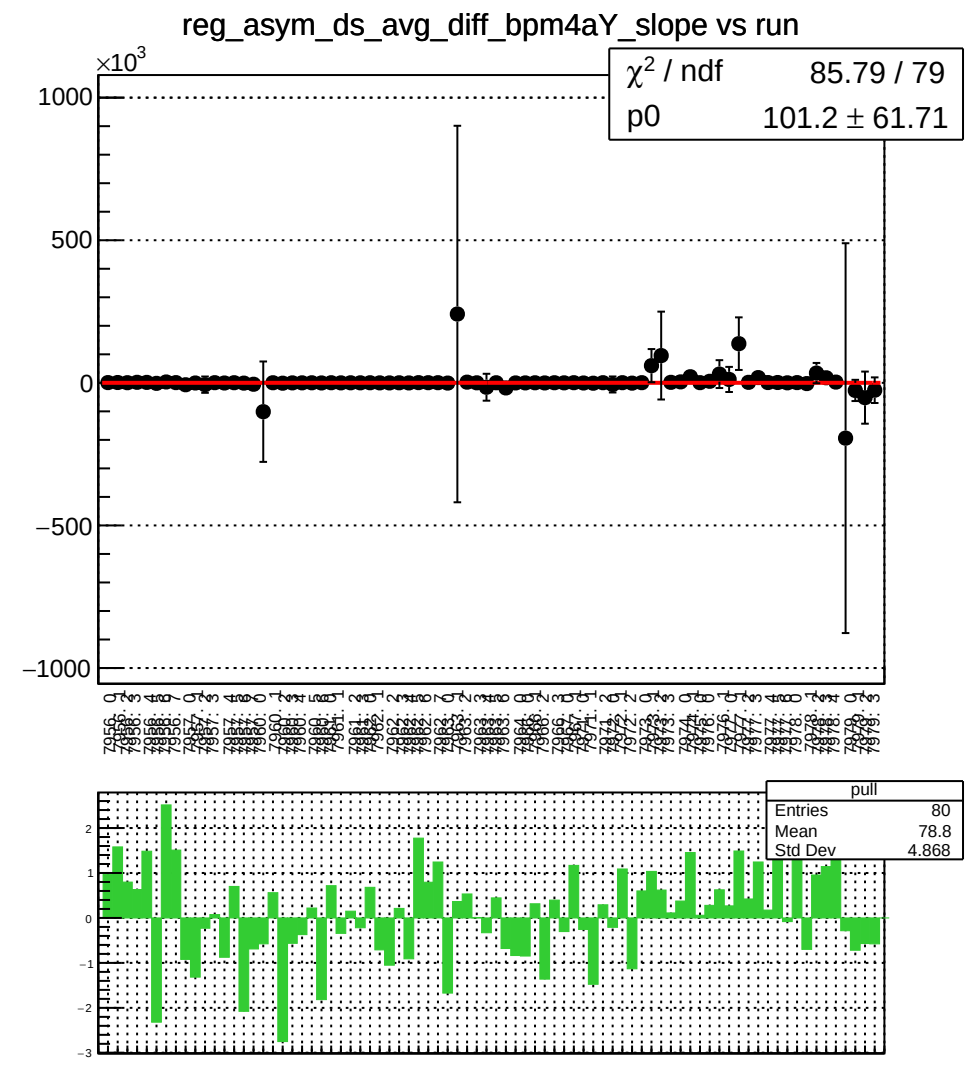

pull1D
Entries 80
Mean 0.005376
Std Dev 0.4943

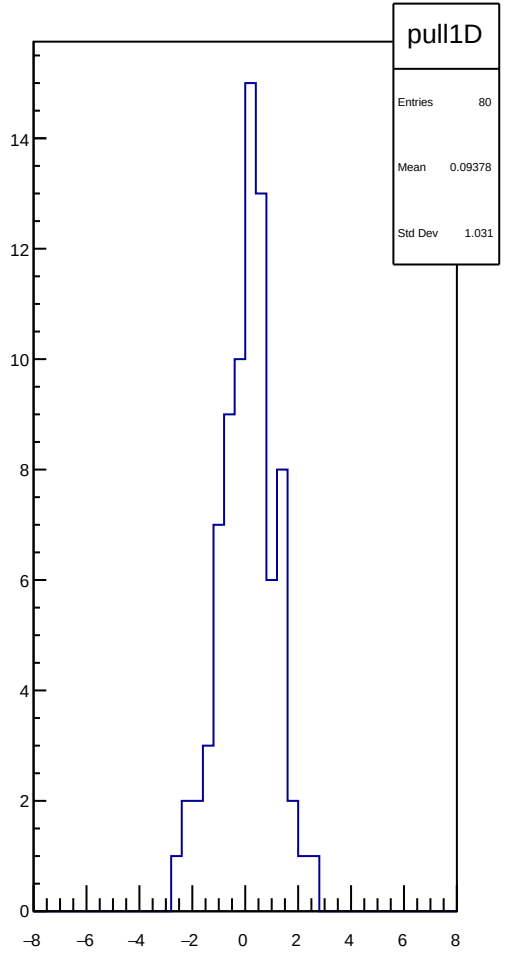

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 47.12 / 79
p0 0.8167 ± 0.08893
pull
Entries 80
Mean 3.155e+04
Std Dev 3.152e+04

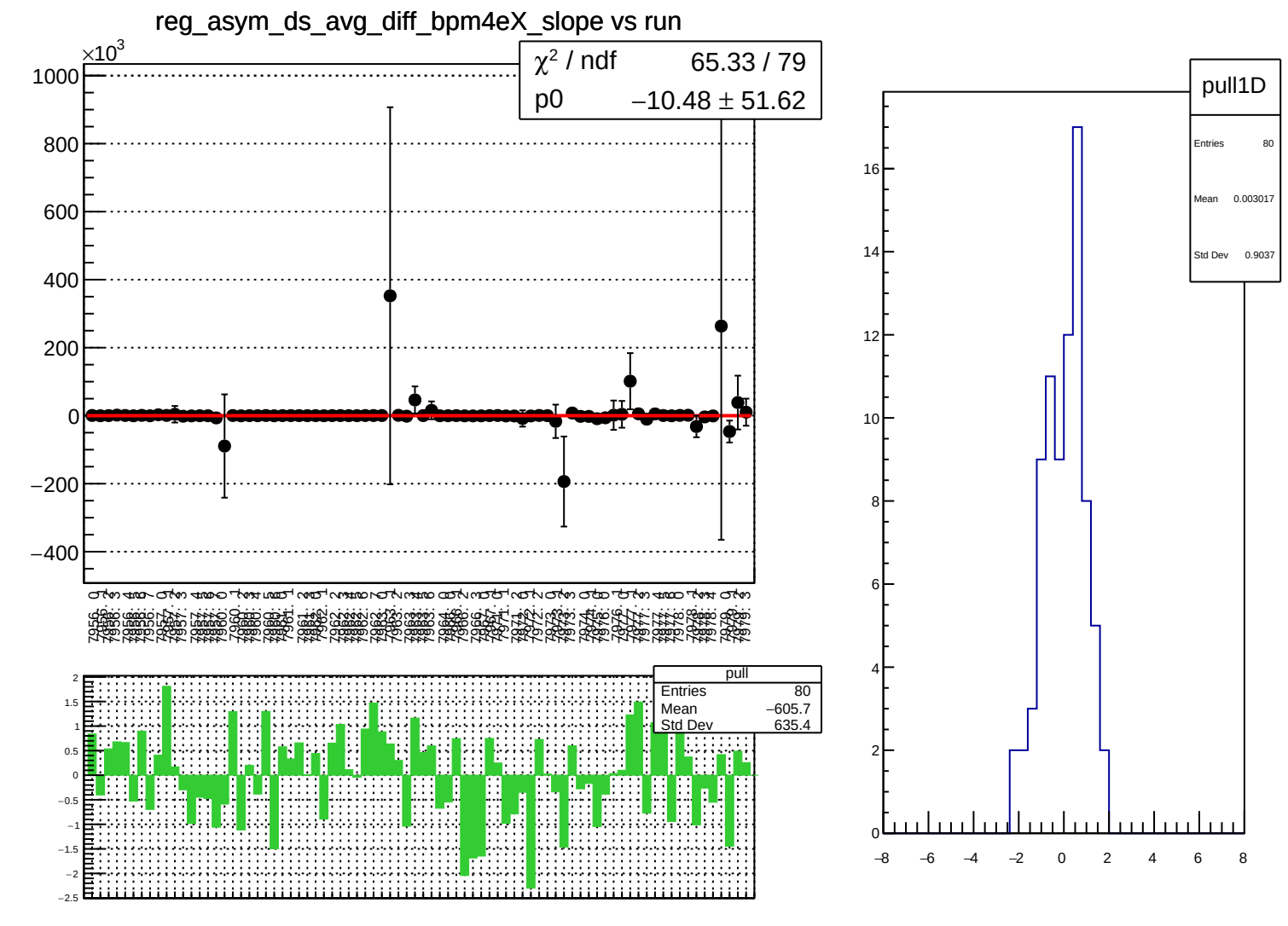

pull1D
Entries 80
Mean 0.0003181
Std Dev 0.7675

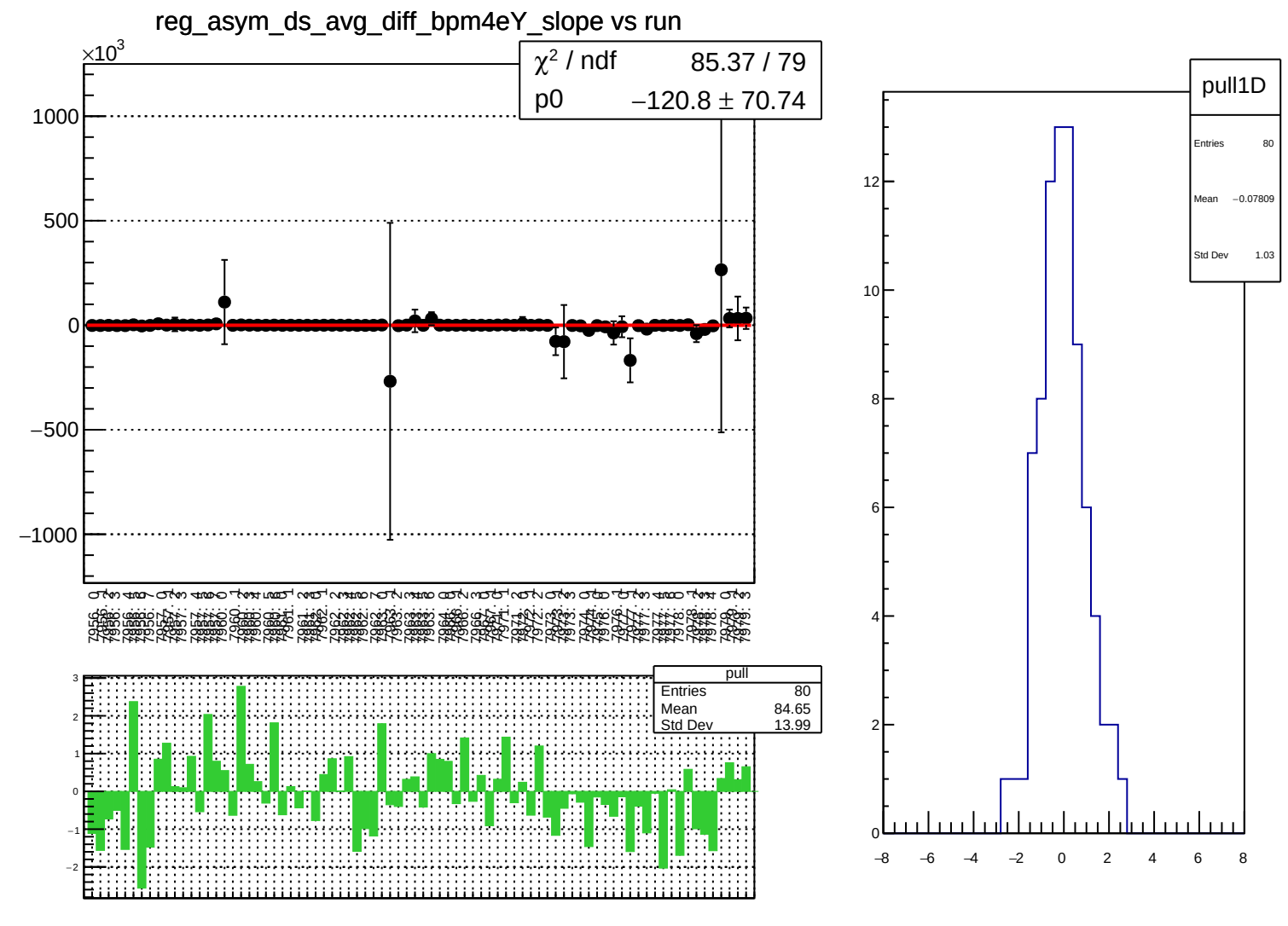

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 64.7 / 79
p0 15.35 ± 59.34
pull
Entries 80
Mean −116.5
Std Dev 145.1

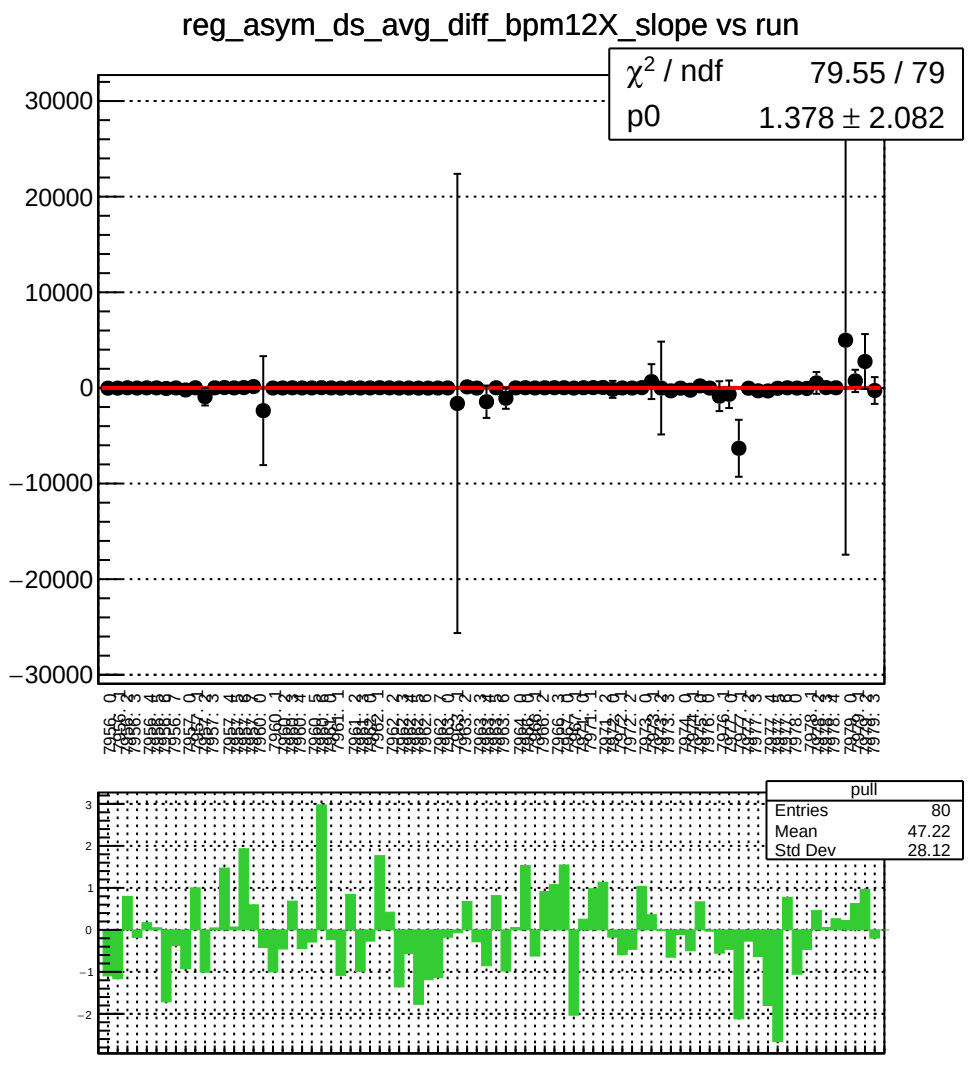

pull1D
Entries 80
Mean −0.01238
Std Dev 0.8992

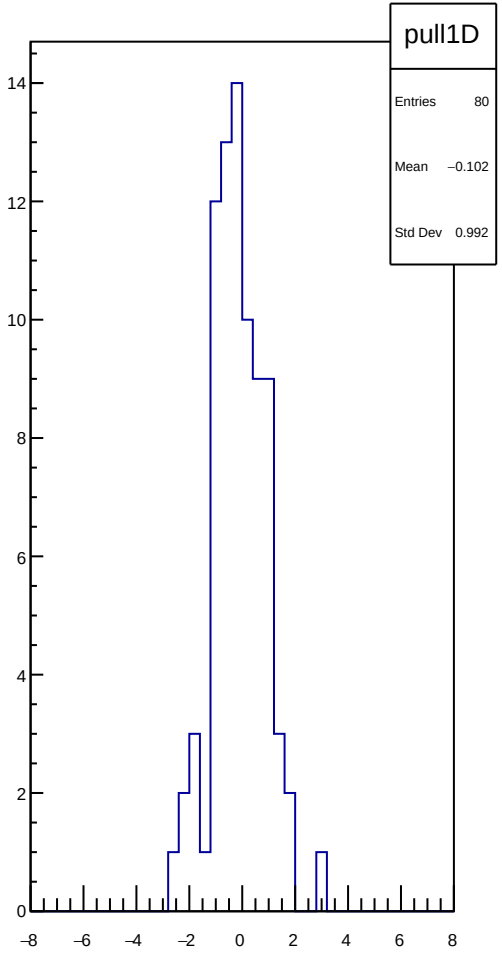

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 85.79 / 79
p0 101.2 ± 61.71
1000
500
0
−500
−1000
pull
Entries 80
Mean 78.8
Std Dev 4.868
2
1
0
−1
−2
−3

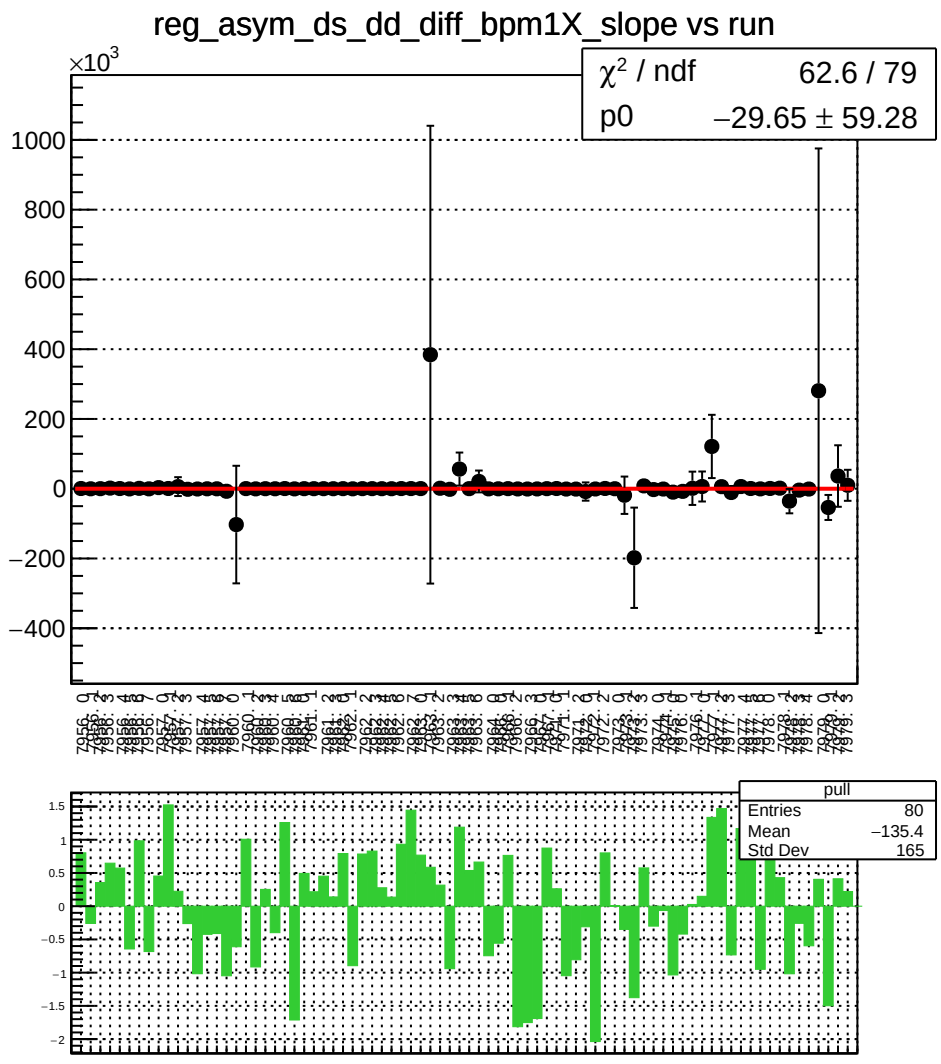

pull1D
Entries 80
Mean 0.09378
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

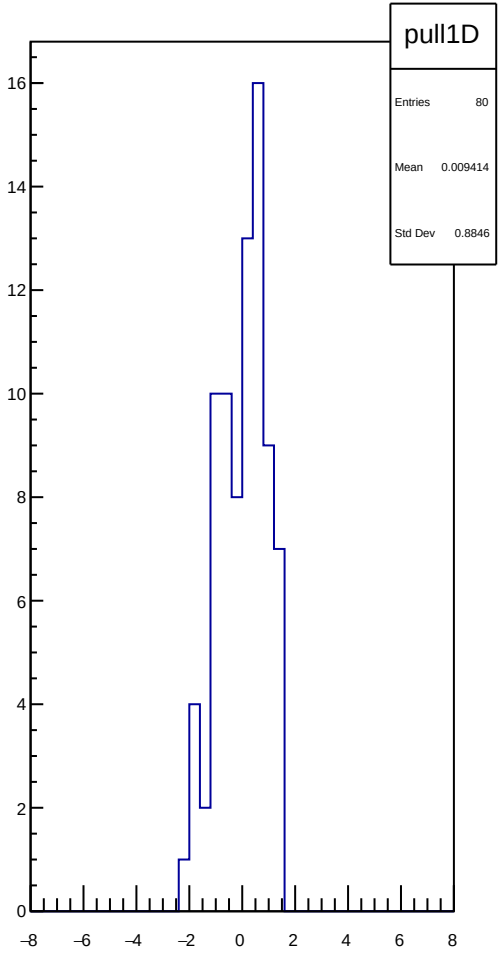

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.33 / 79
p0 −10.48 ± 51.62
pull
Entries 80
Mean −605.7
Std Dev 635.4
pull1D
Entries 80
Mean 0.003017
Std Dev 0.9037

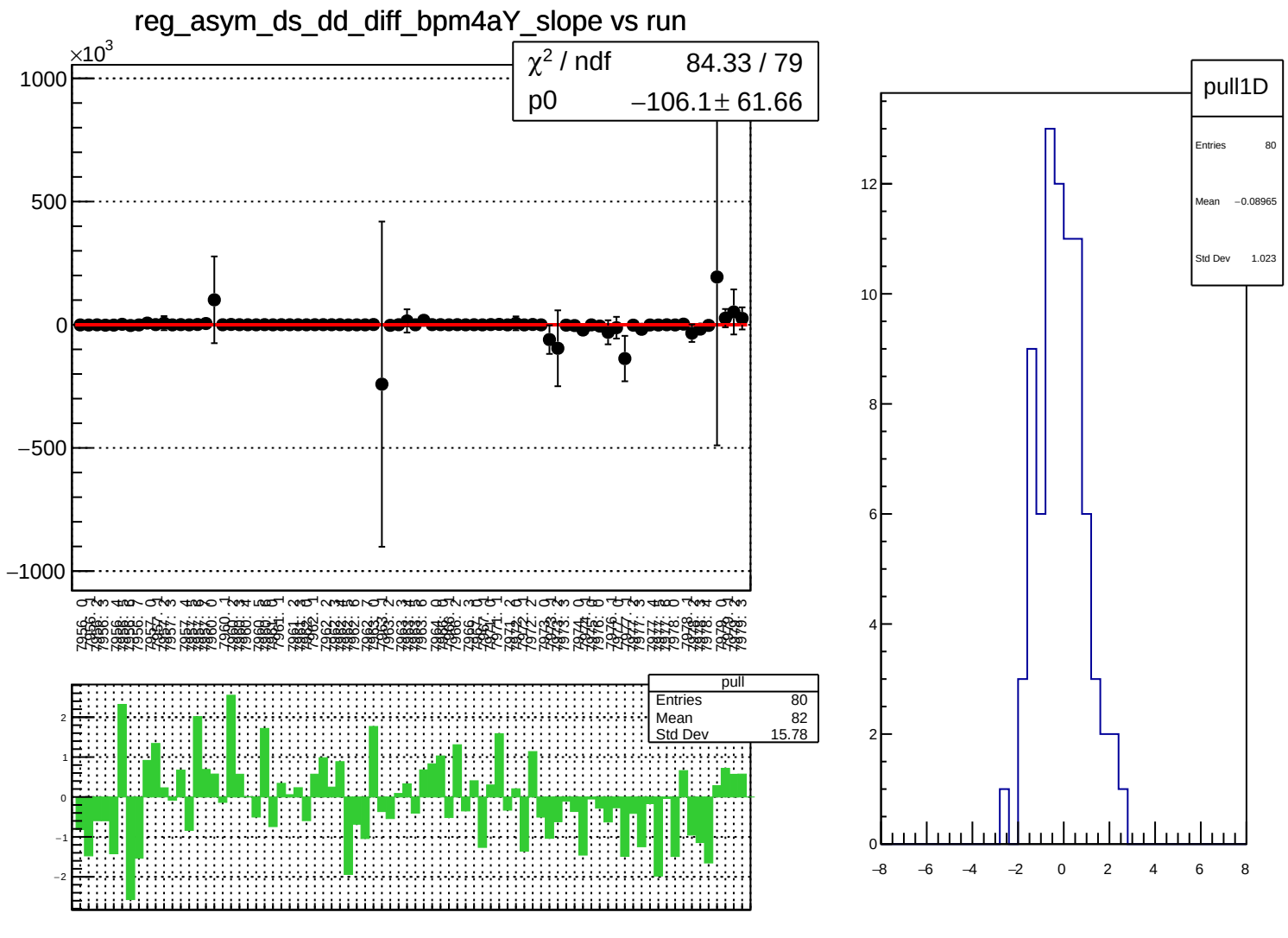

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.37 / 79
p0 −120.8 ± 70.74
×10³
1000
500
0
−500
−1000
pull
Entries 80
Mean 84.65
Std Dev 13.99
pull1D
Entries 80
Mean −0.07809
Std Dev 1.03

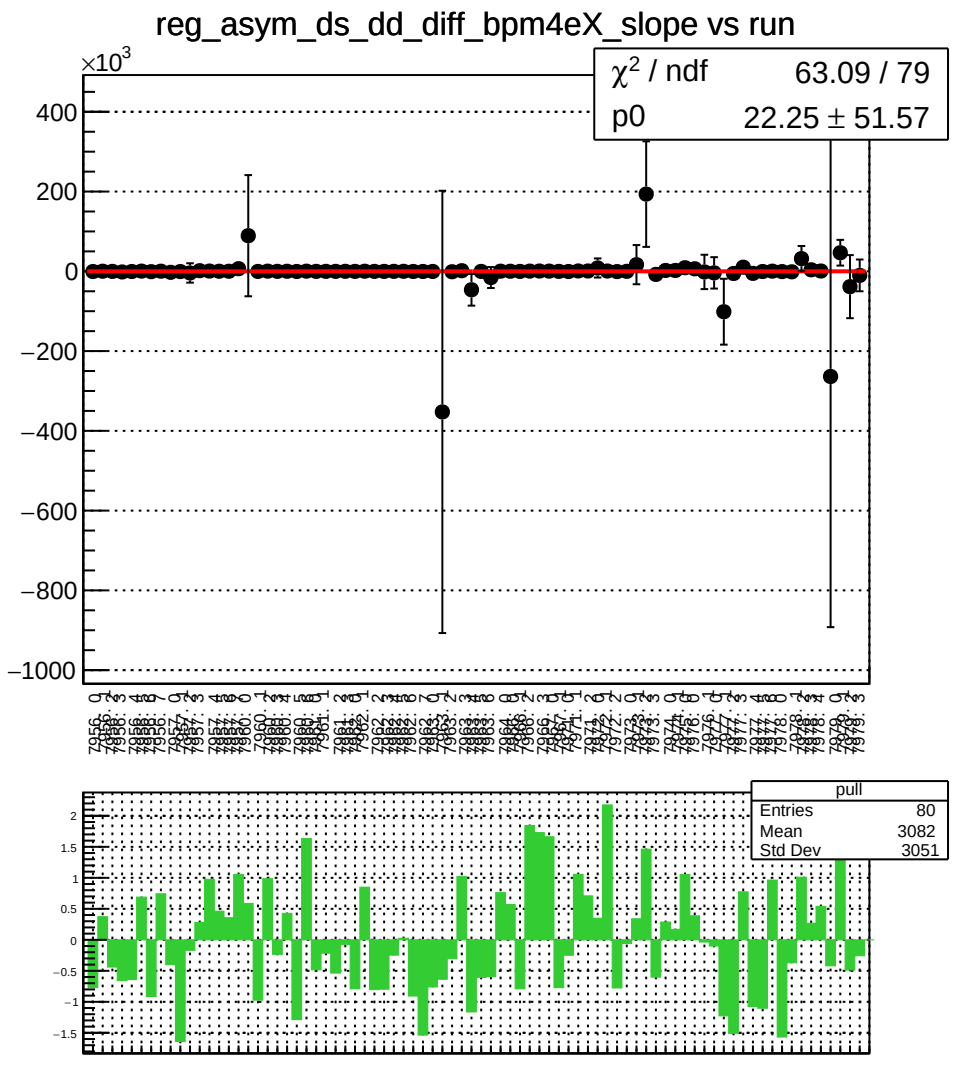

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 79.55 / 79
p0 1.378 ± 2.082
pull
Entries 80
Mean 47.22
Std Dev 28.12

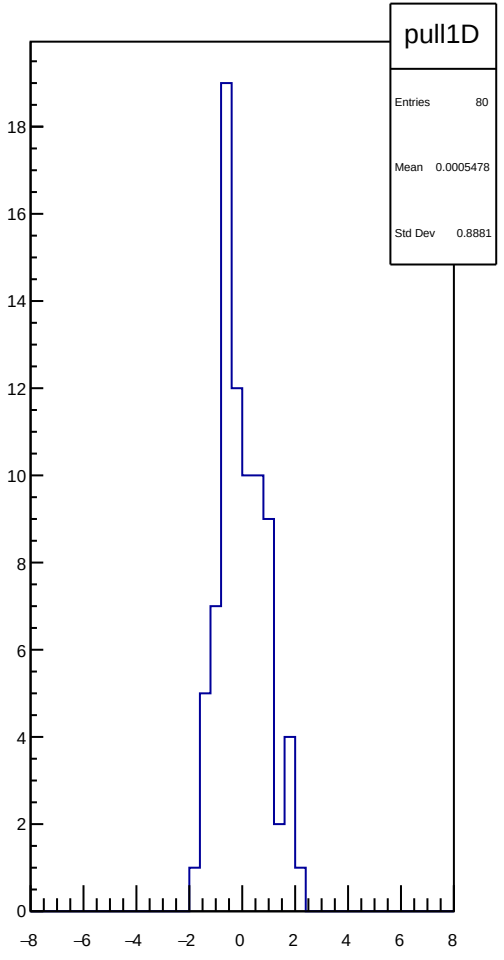

pull1D
Entries 80
Mean −0.102
Std Dev 0.992

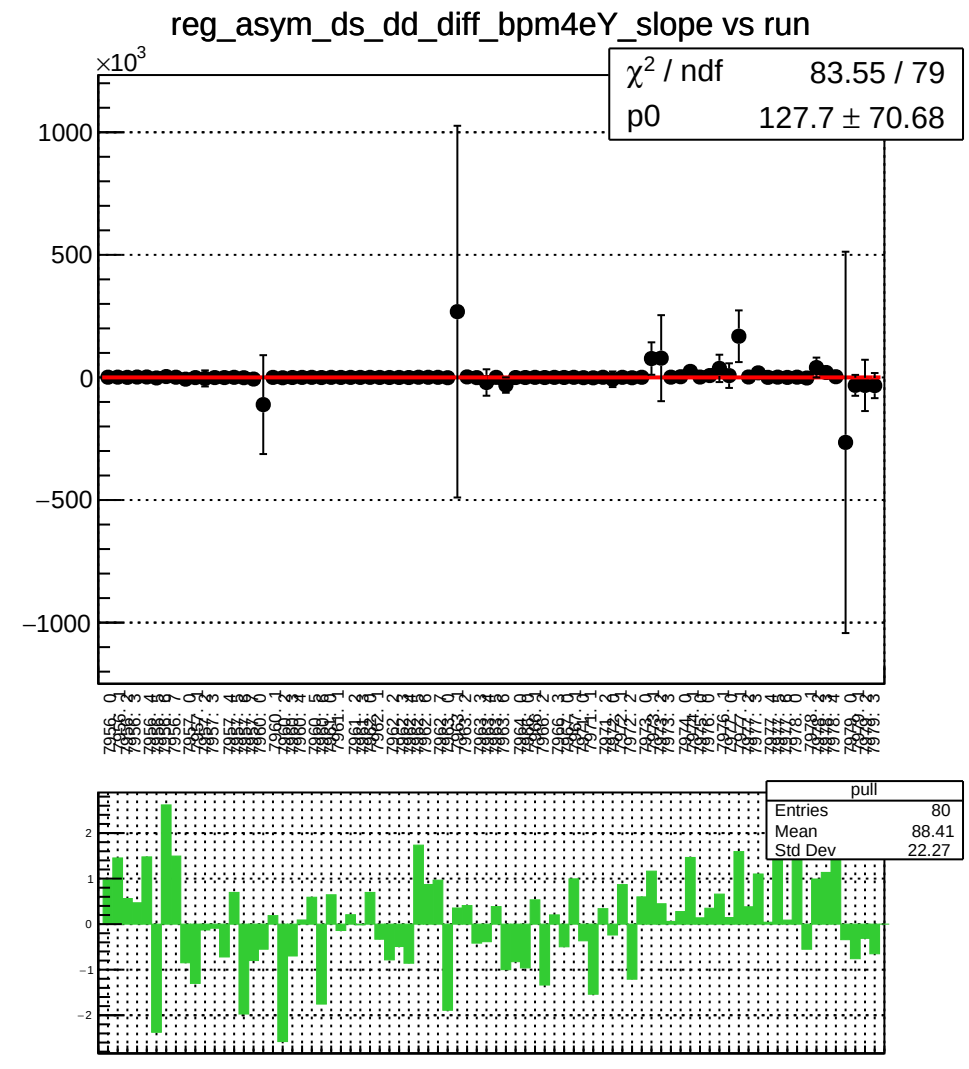

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 62.6 / 79
p0 −29.65 ± 59.28
×10³
pull
Entries 80
Mean −135.4
Std Dev 165

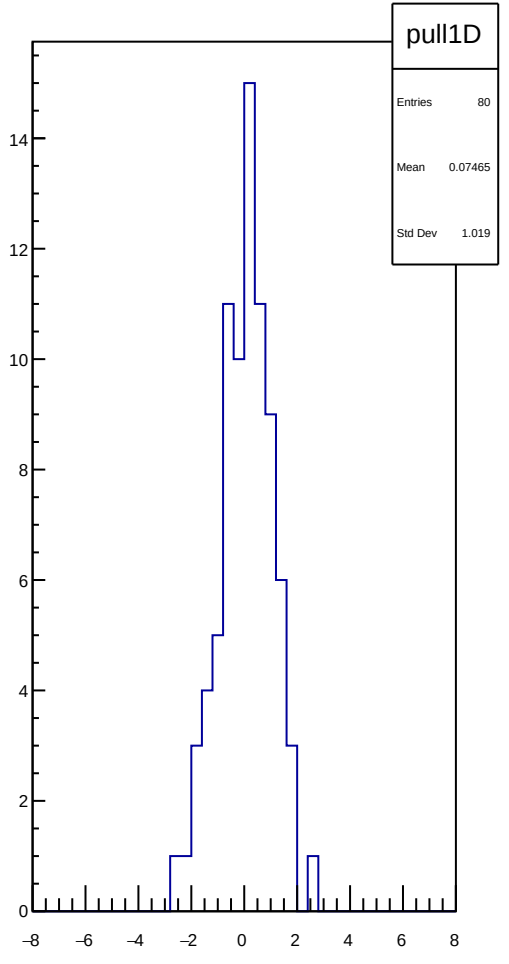

pull1D
Entries 80
Mean 0.009414
Std Dev 0.8846

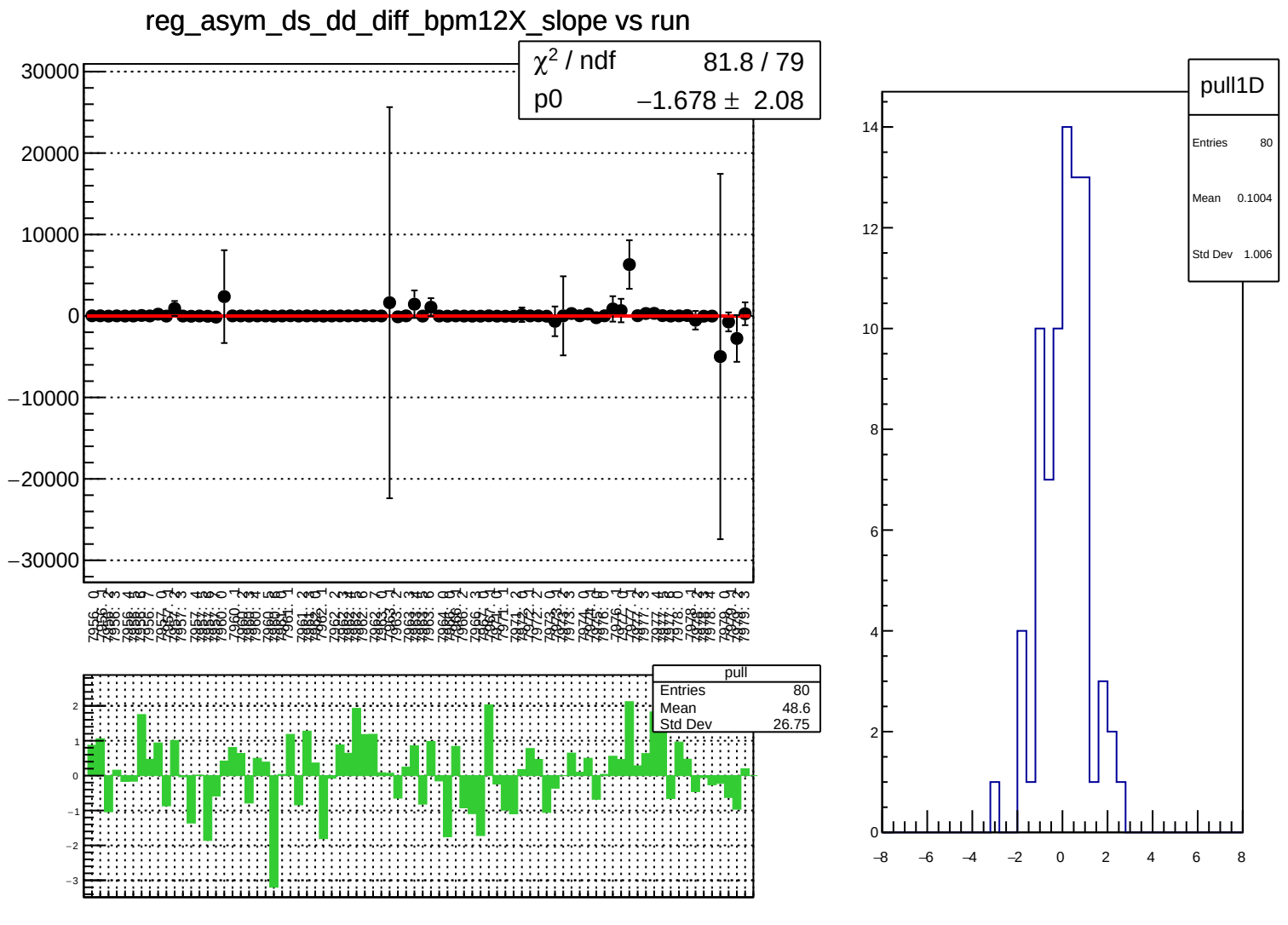

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 84.33 / 79
p0 −106.1 ± 61.66
pull
Entries 80
Mean 82
Std Dev 15.78
pull1D
Entries 80
Mean −0.08965
Std Dev 1.023

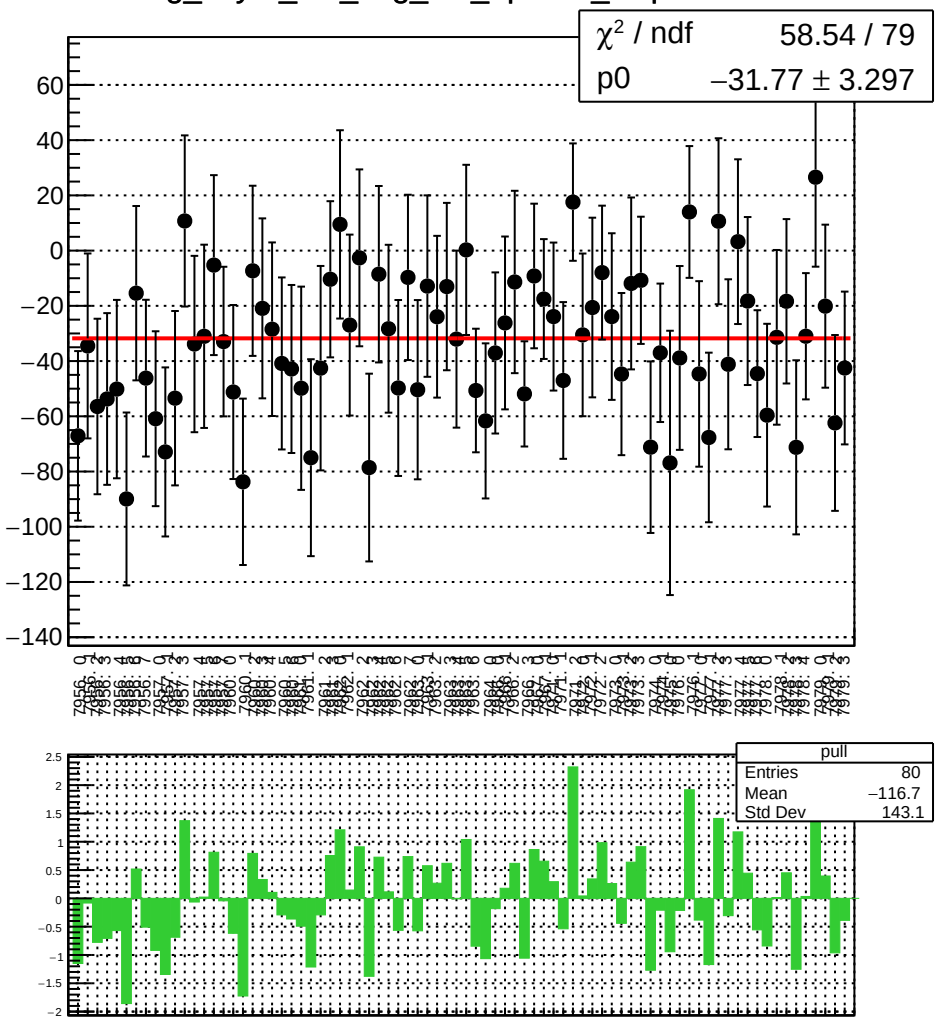

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 63.09 / 79
p0 22.25 ± 51.57
pull
Entries 80
Mean 3082
Std Dev 3051

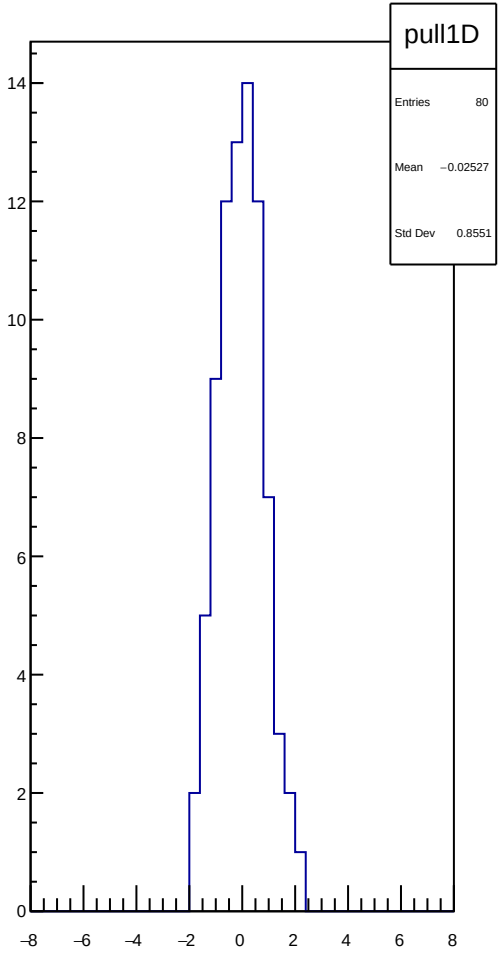

pull1D
Entries 80
Mean 0.0005478
Std Dev 0.8881

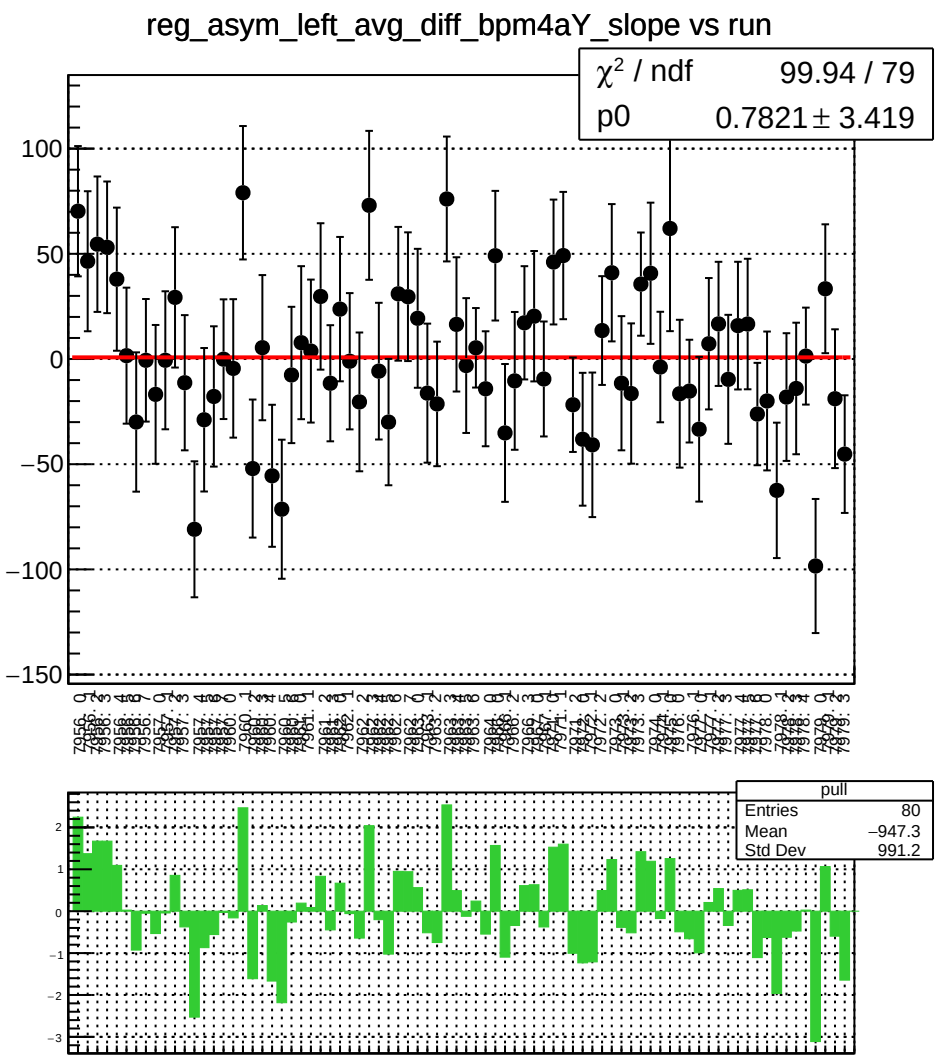

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 83.55 / 79
p0 127.7 ± 70.68
1000
500
0
−500
−1000
pull
Entries 80
Mean 88.41
Std Dev 22.27
2
1
0
−1
−2

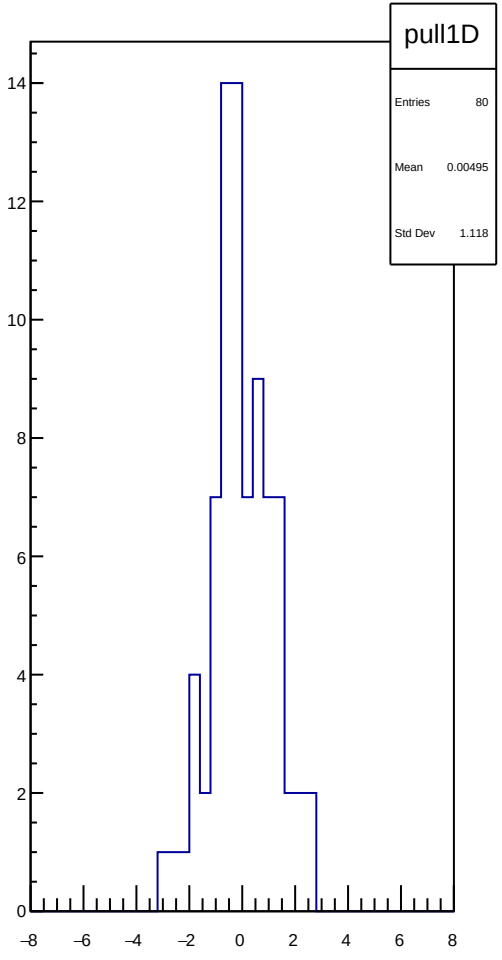

pull1D
Entries 80
Mean 0.07465
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

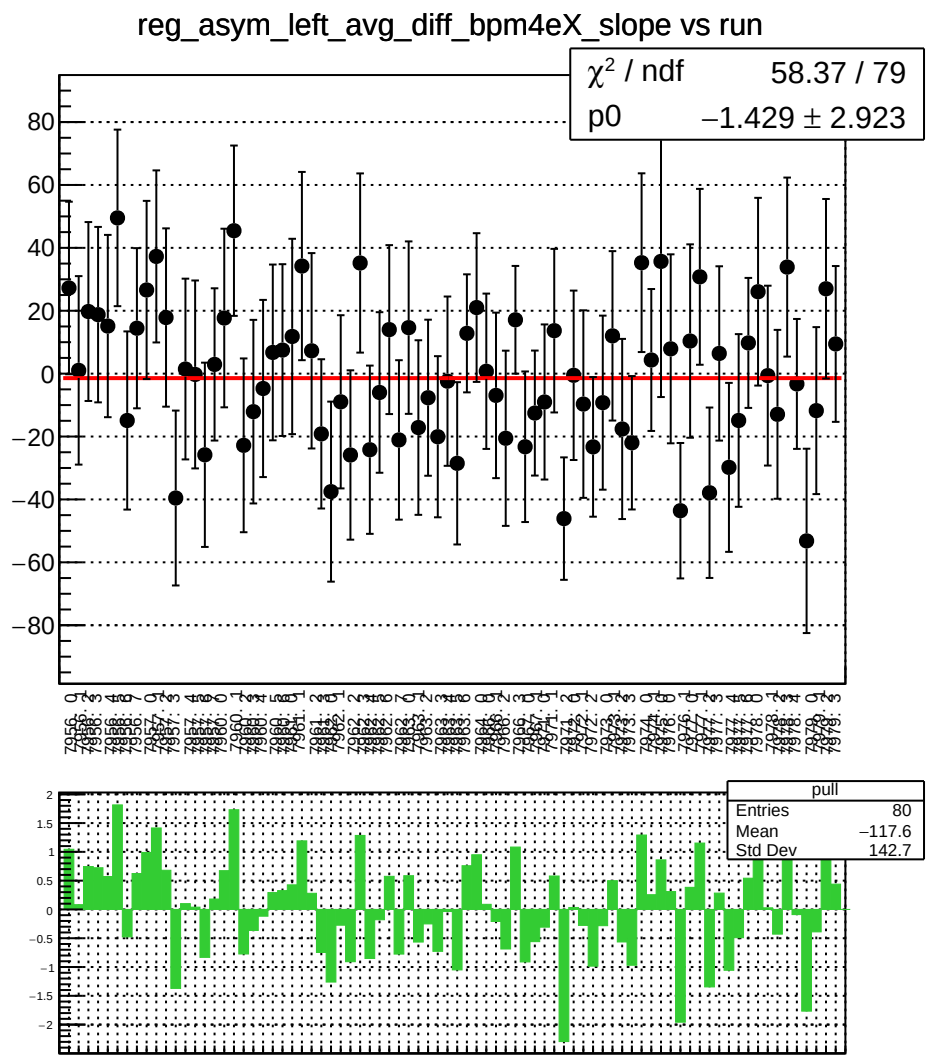

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 81.8 / 79
p0 −1.678 ± 2.08
pull
Entries 80
Mean 48.6
Std Dev 26.75
pull1D
Entries 80
Mean 0.1004
Std Dev 1.006

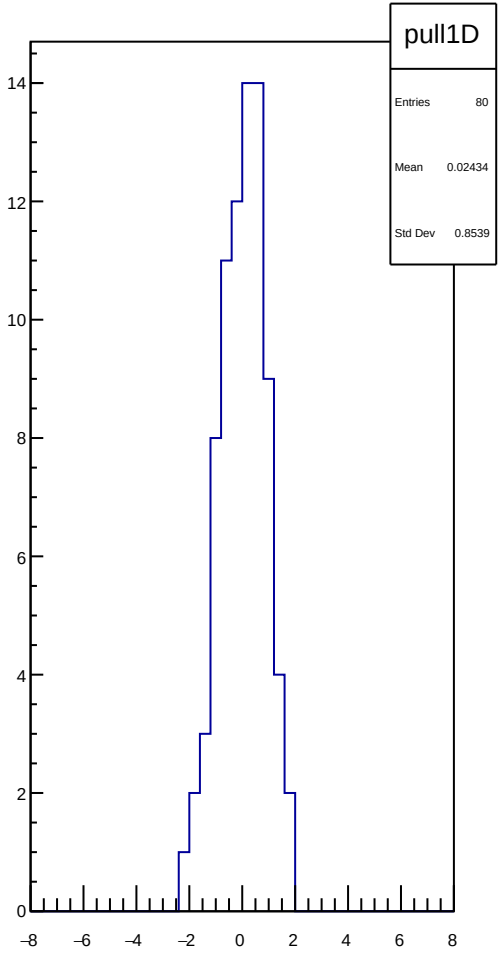

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 58.54 / 79
p0 −31.77 ± 3.297
pull
Entries 80
Mean −116.7
Std Dev 143.1

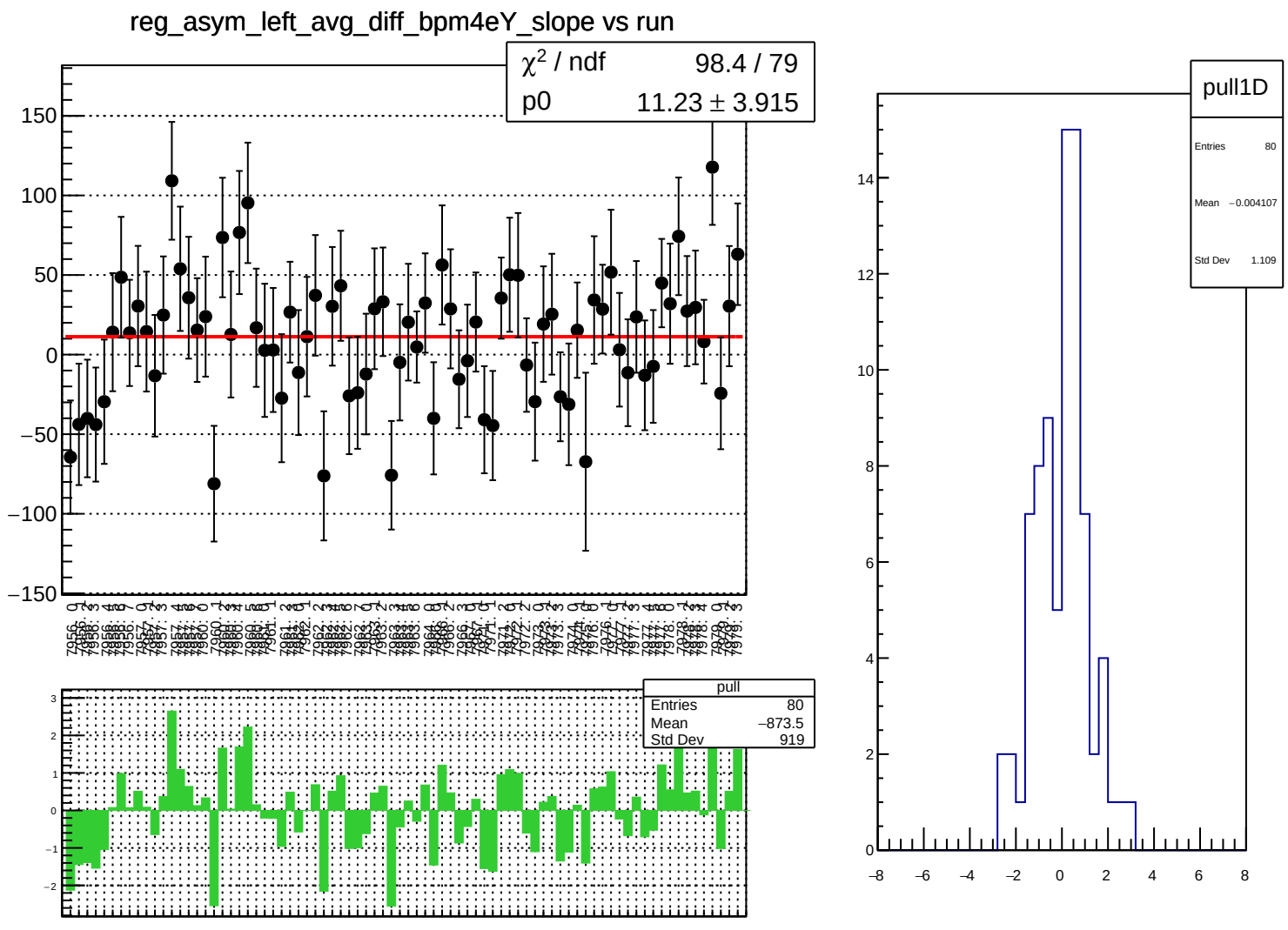

pull1D
Entries 80
Mean −0.02527
Std Dev 0.8551

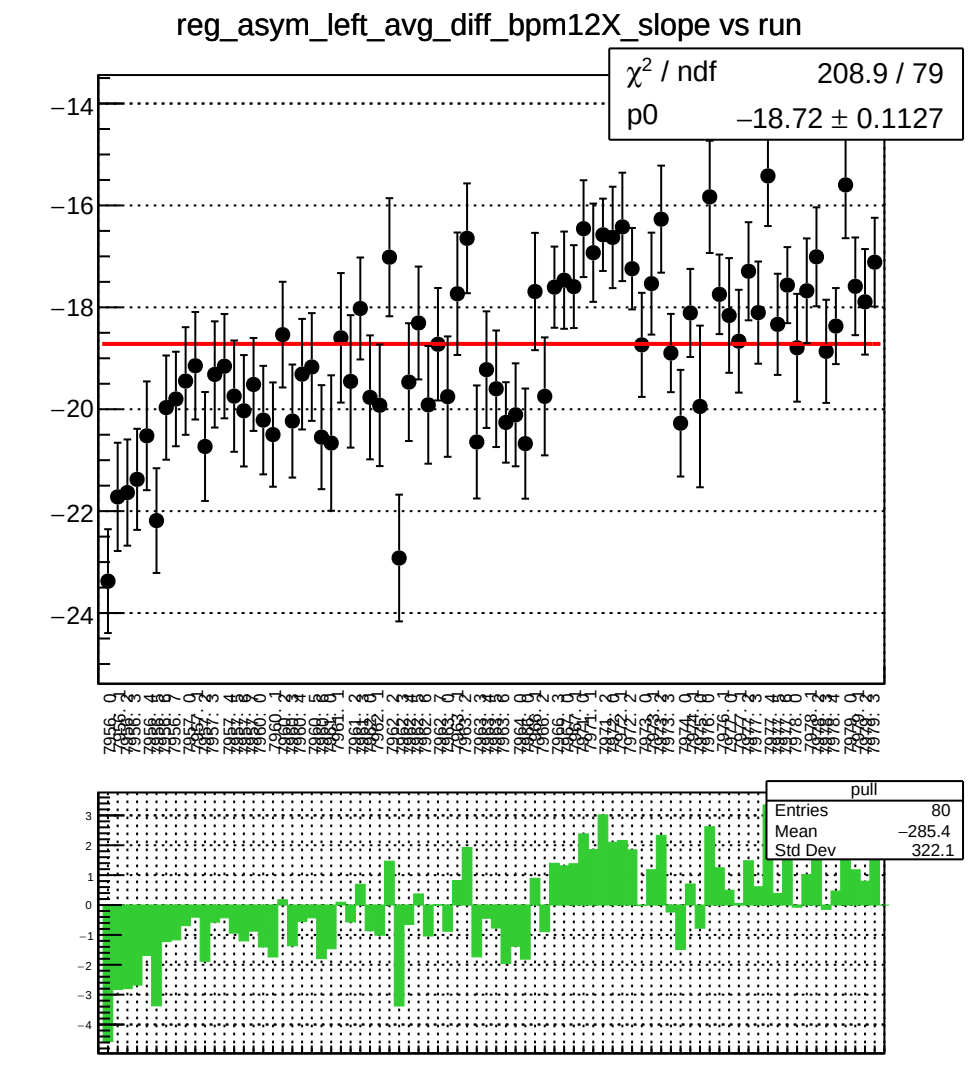

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.94 / 79
p0 0.7821 ± 3.419
pull
Entries 80
Mean −947.3
Std Dev 991.2

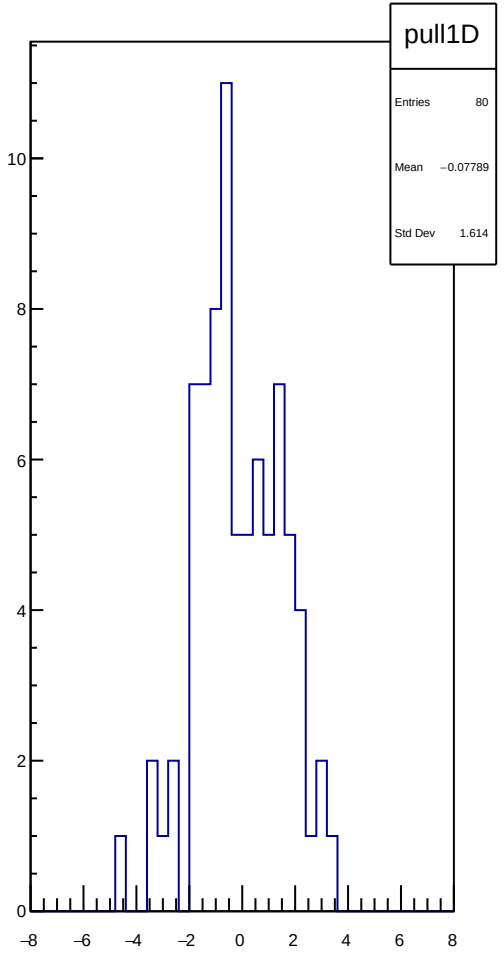

pull1D
Entries 80
Mean 0.00495
Std Dev 1.118

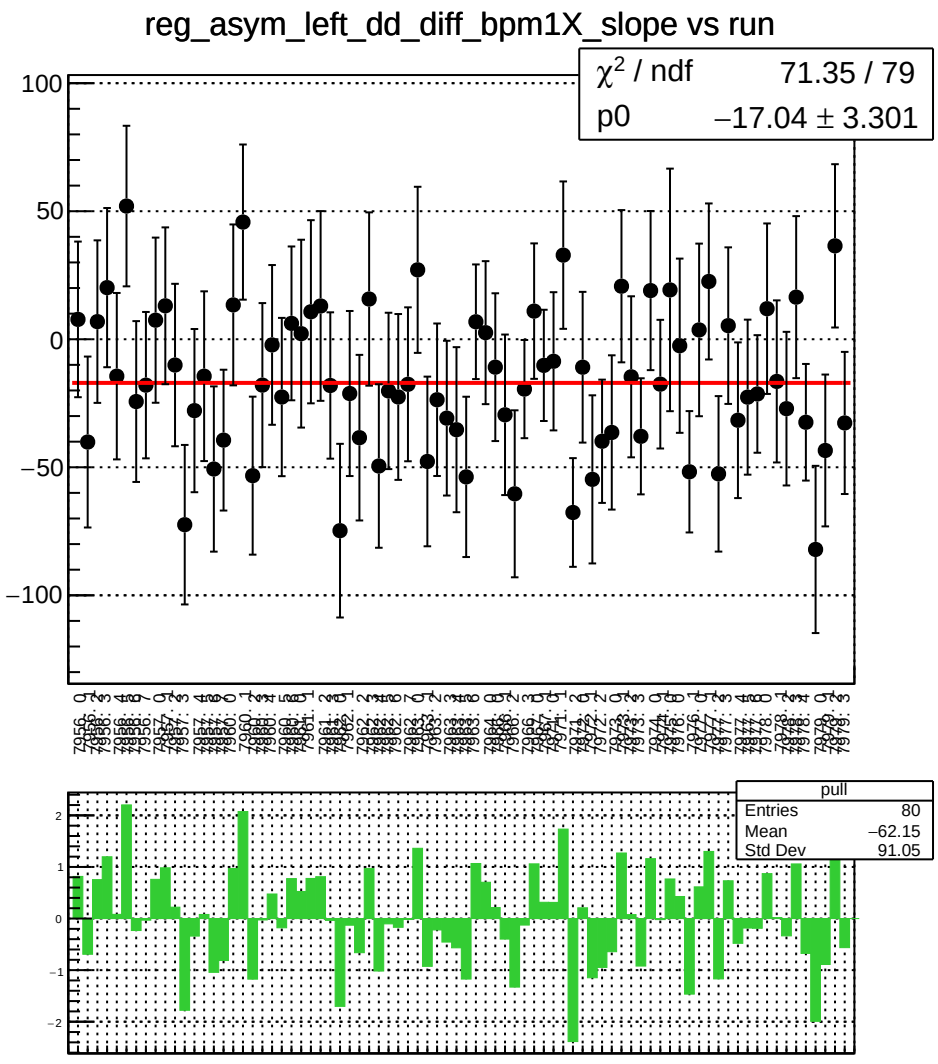

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.37 / 79
p0 −1.429 ± 2.923
pull
Entries 80
Mean −117.6
Std Dev 142.7

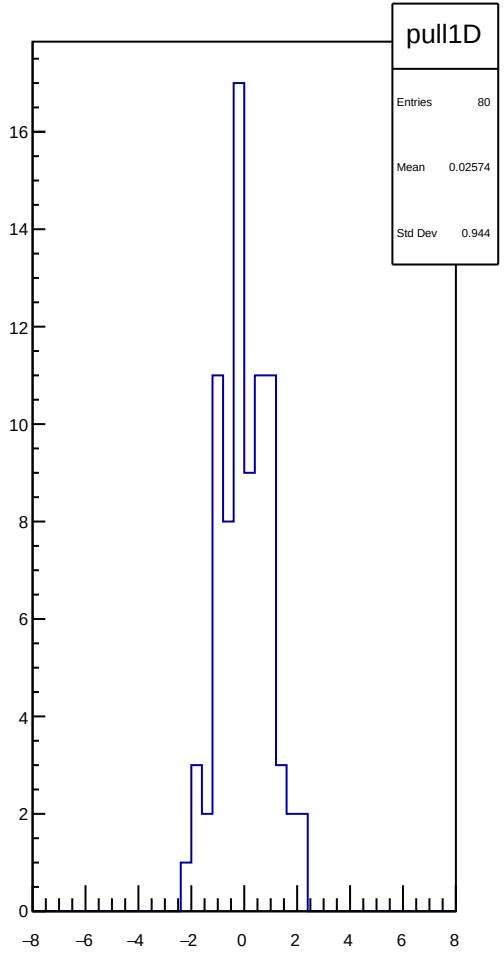

pull1D
Entries 80
Mean 0.02434
Std Dev 0.8539

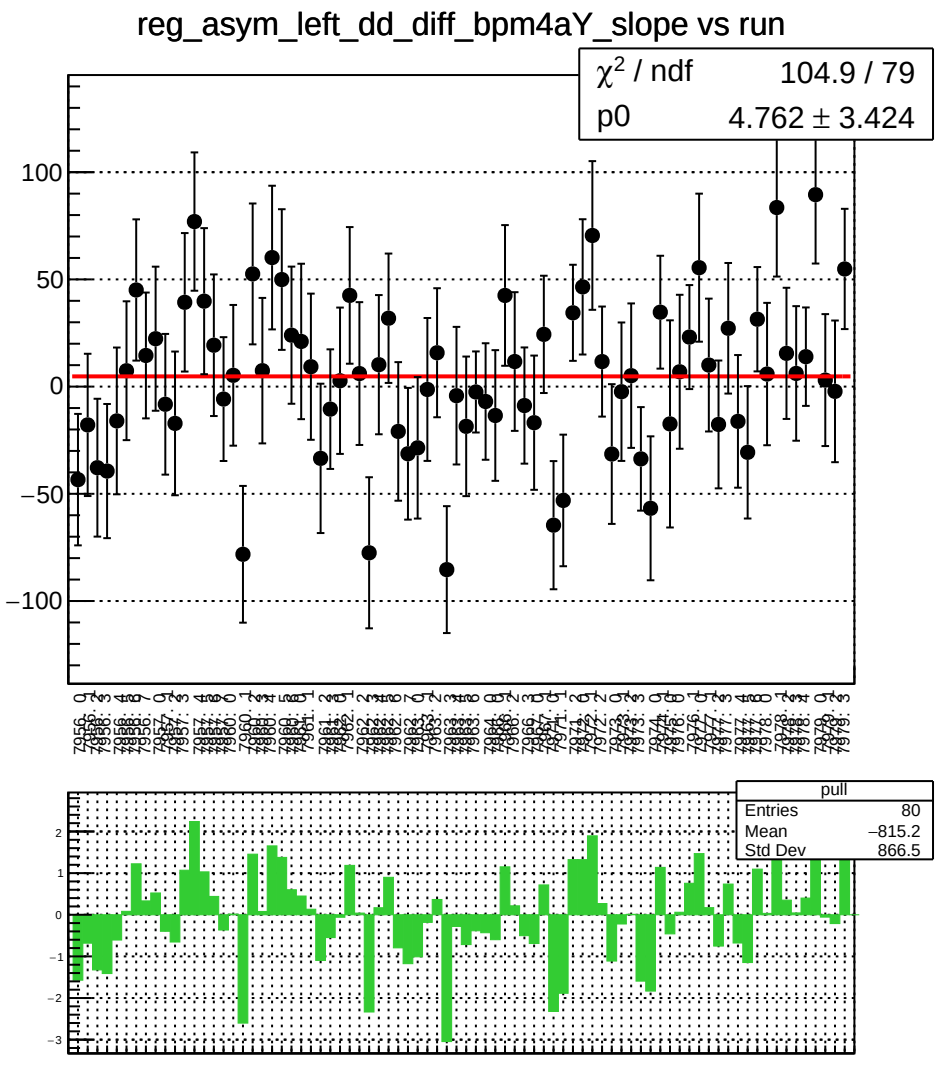

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.4 / 79
p0 11.23 ± 3.915
pull
Entries 80
Mean −873.5
Std Dev 919
pull1D
Entries 80
Mean −0.004107
Std Dev 1.109

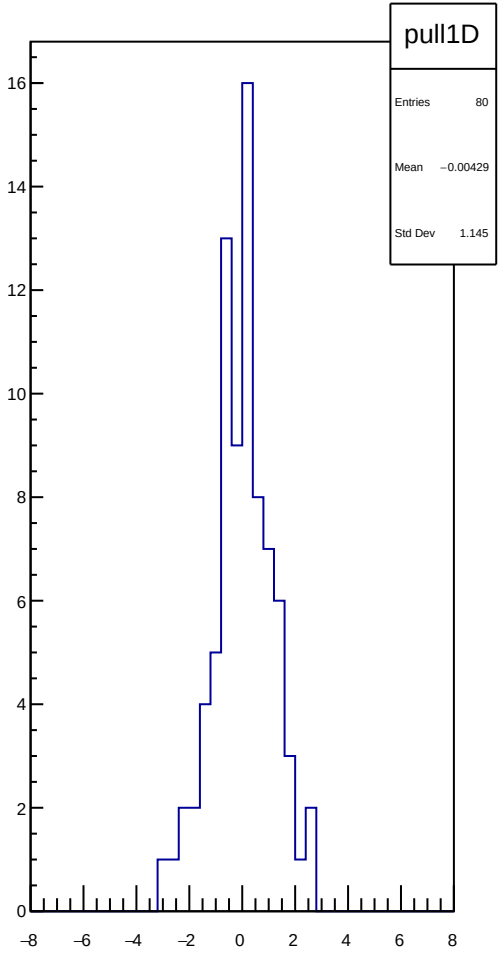

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 208.9 / 79
p0 −18.72 ± 0.1127
pull
Entries 80
Mean −285.4
Std Dev 322.1

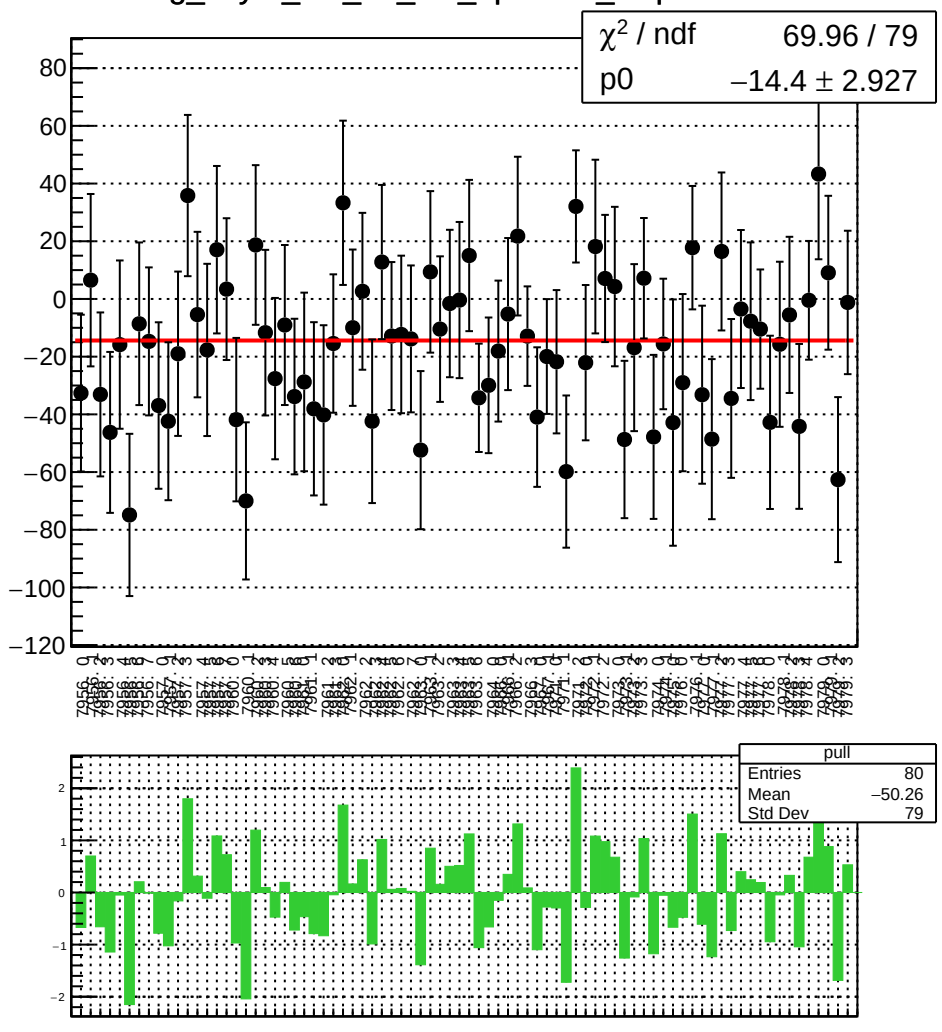

pull1D
Entries 80
Mean −0.07789
Std Dev 1.614

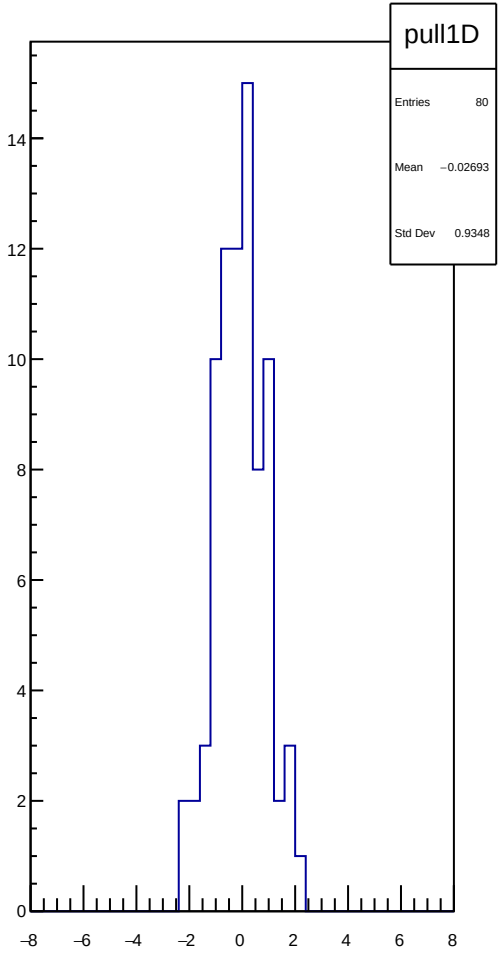

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 71.35 / 79
p0 −17.04 ± 3.301
100
50
0
−50
−100
pull
Entries 80
Mean −62.15
Std Dev 91.05
2
1
0
−1
−2

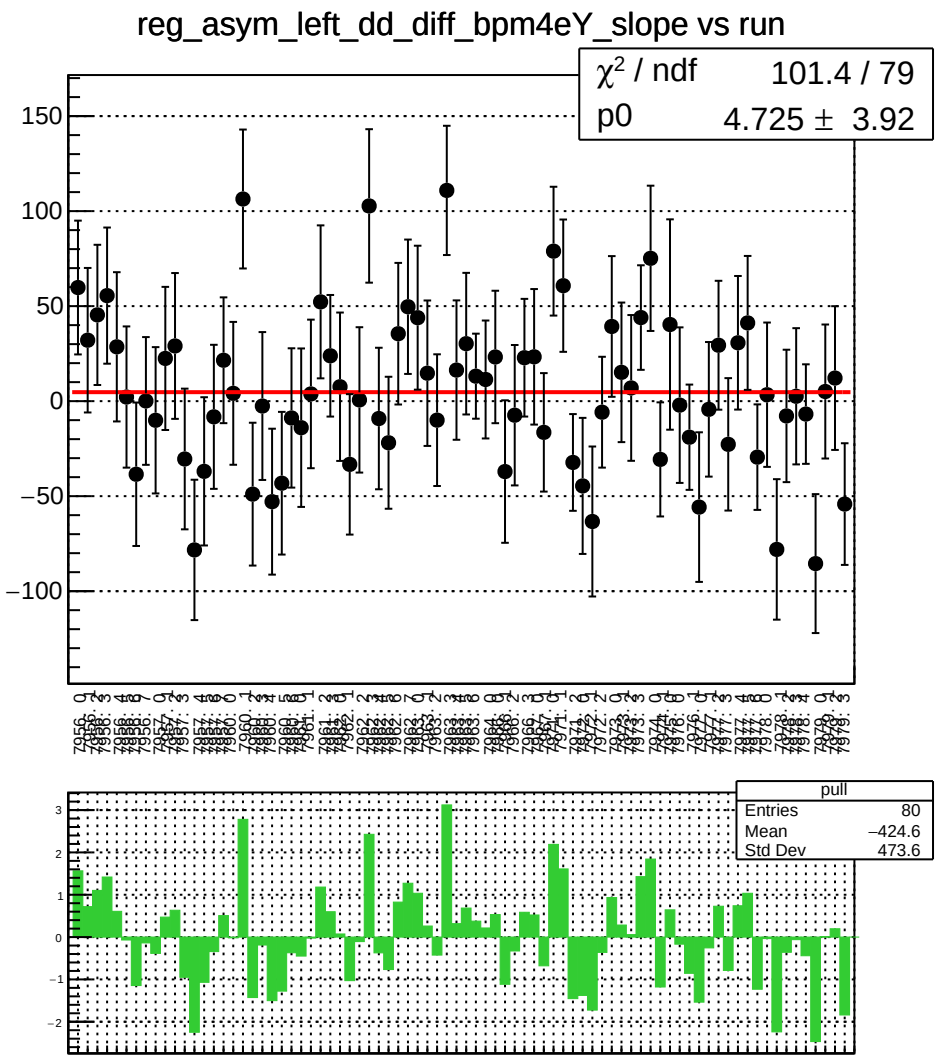

pull1D
Entries 80
Mean 0.02574
Std Dev 0.944
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

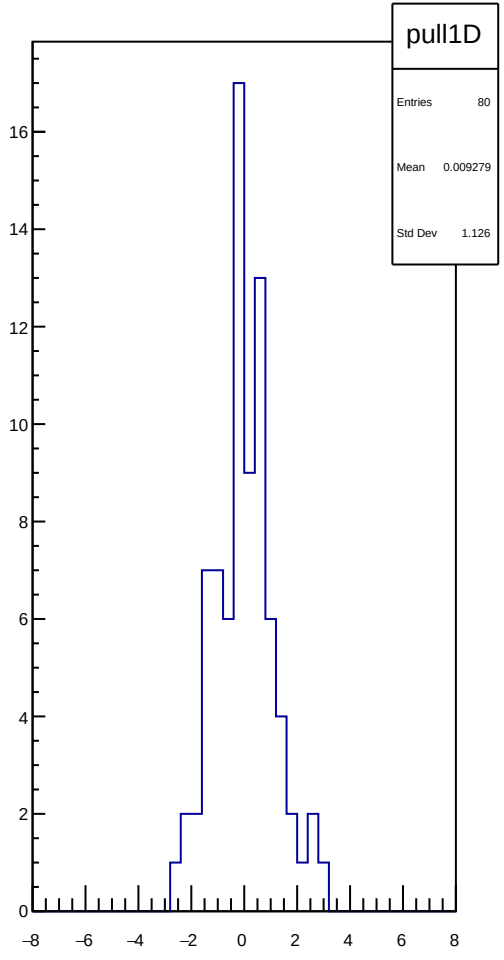

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 104.9 / 79
p0 4.762 ± 3.424
pull
Entries 80
Mean −815.2
Std Dev 866.5

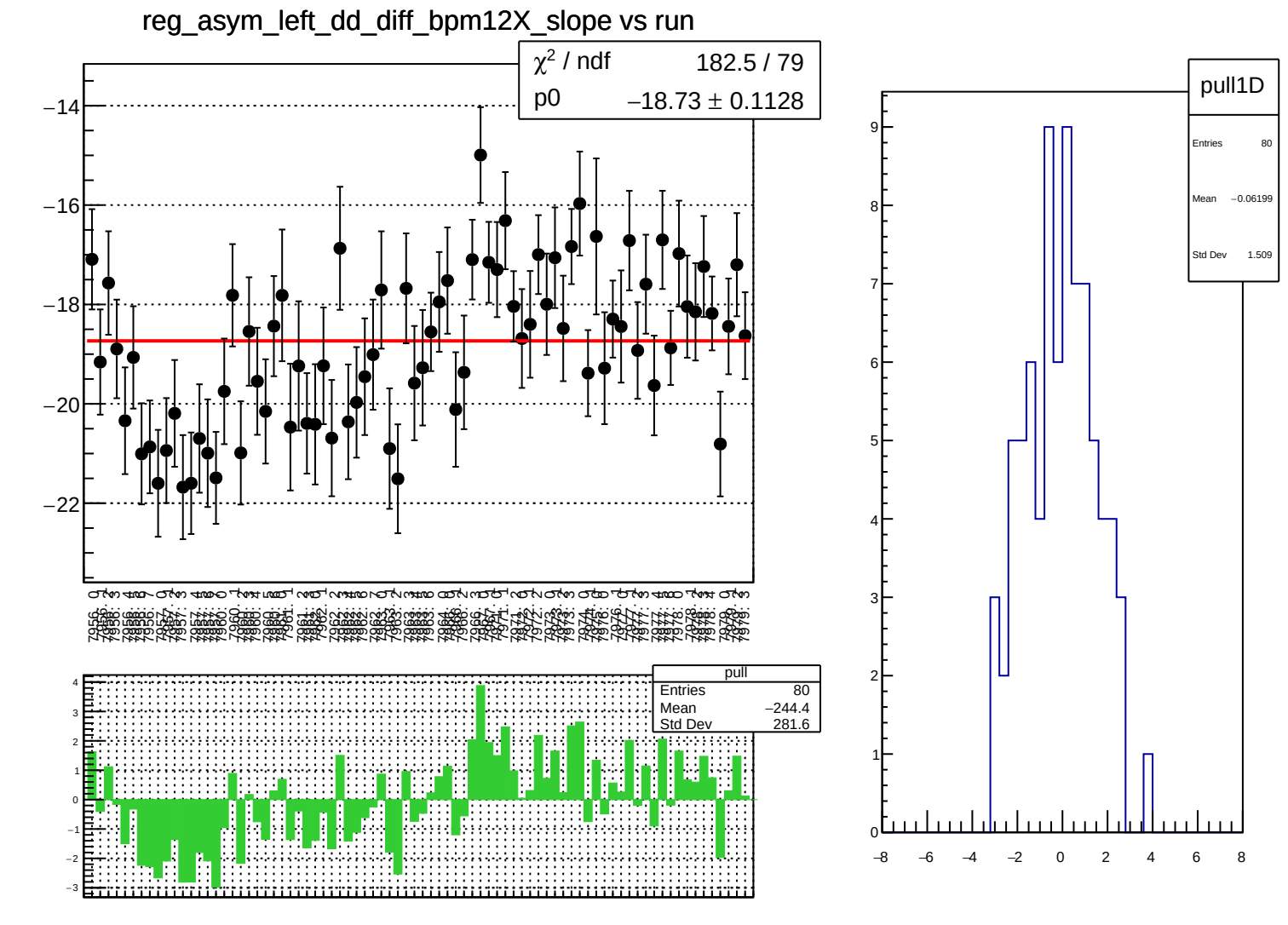

pull1D
Entries 80
Mean −0.00429
Std Dev 1.145

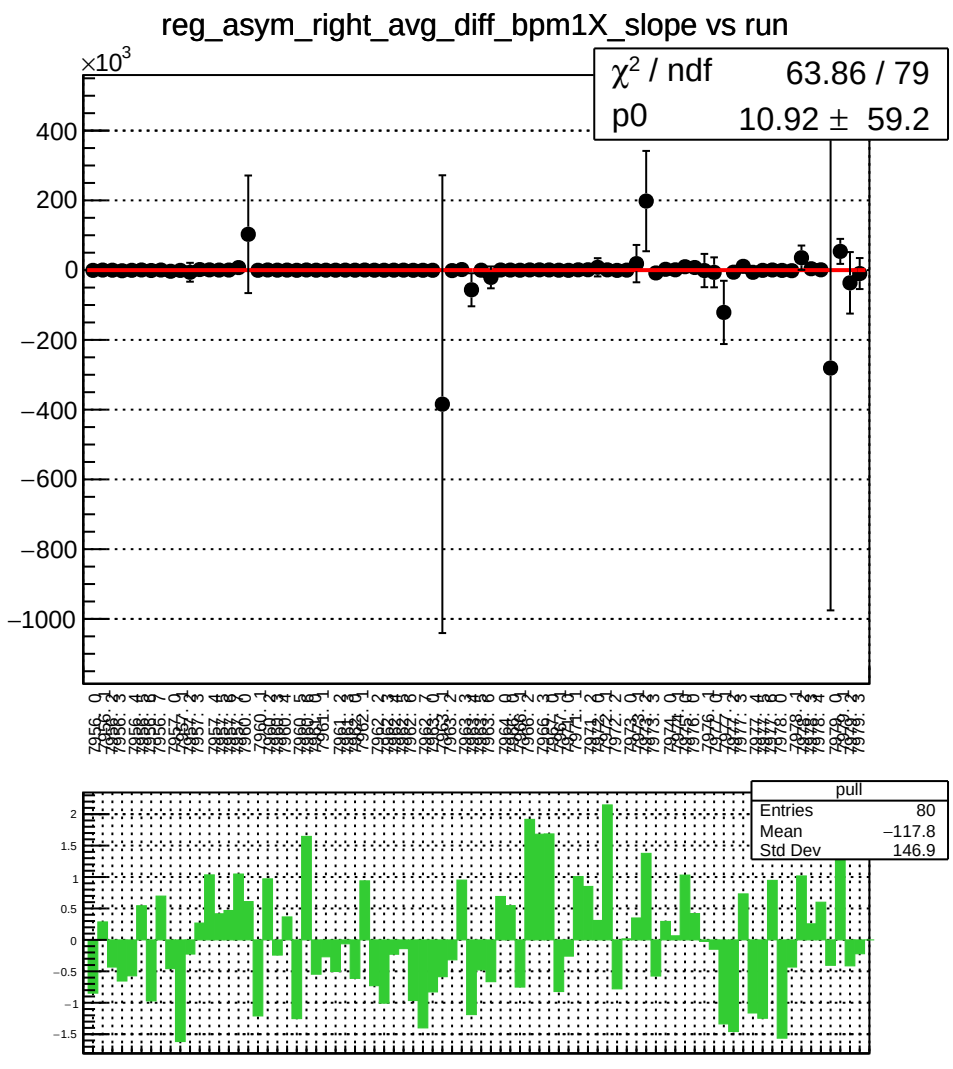

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 69.96 / 79
p0 −14.4 ± 2.927
pull
Entries 80
Mean −50.26
Std Dev 79

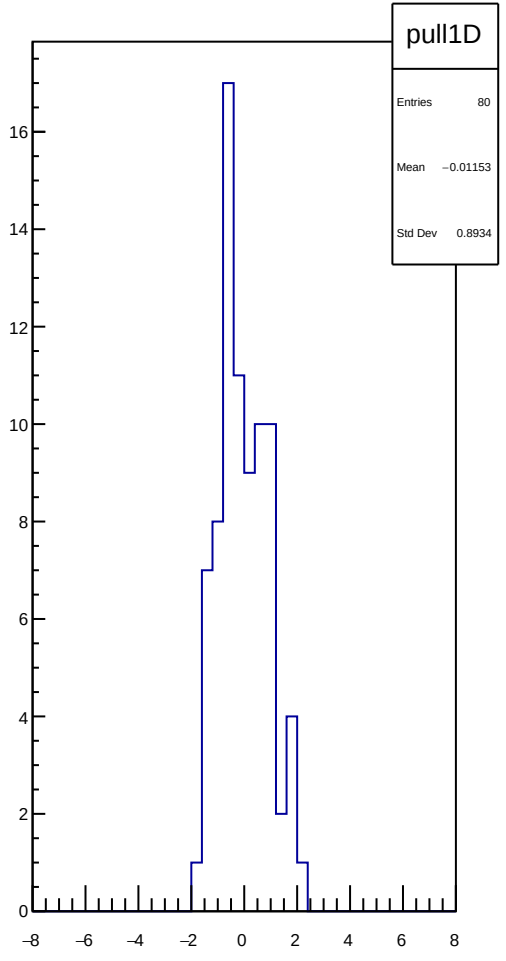

pull1D
Entries 80
Mean −0.02693
Std Dev 0.9348

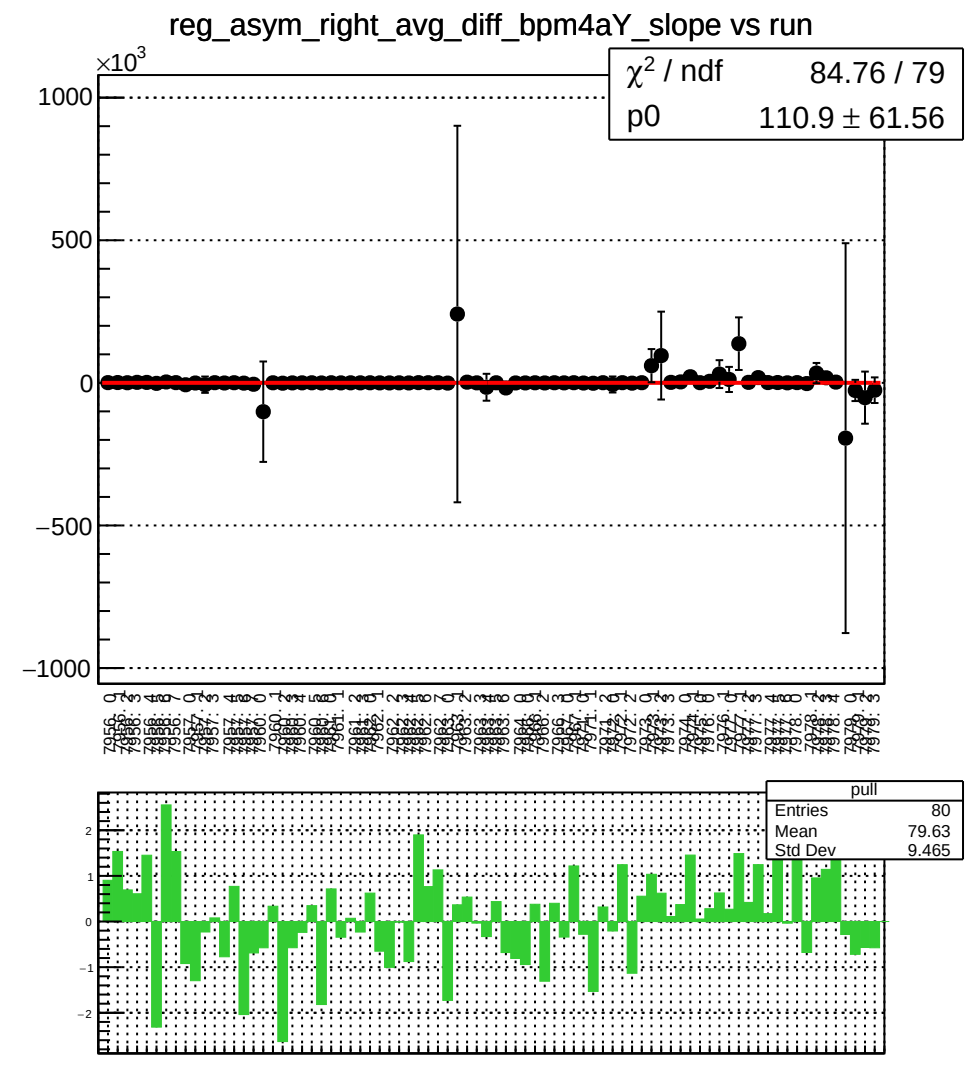

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 101.4 / 79
p0 4.725 ± 3.92
150
100
50
0
−50
−100
pull
Entries 80
Mean −424.6
Std Dev 473.6
3
2
1
0
−1
−2

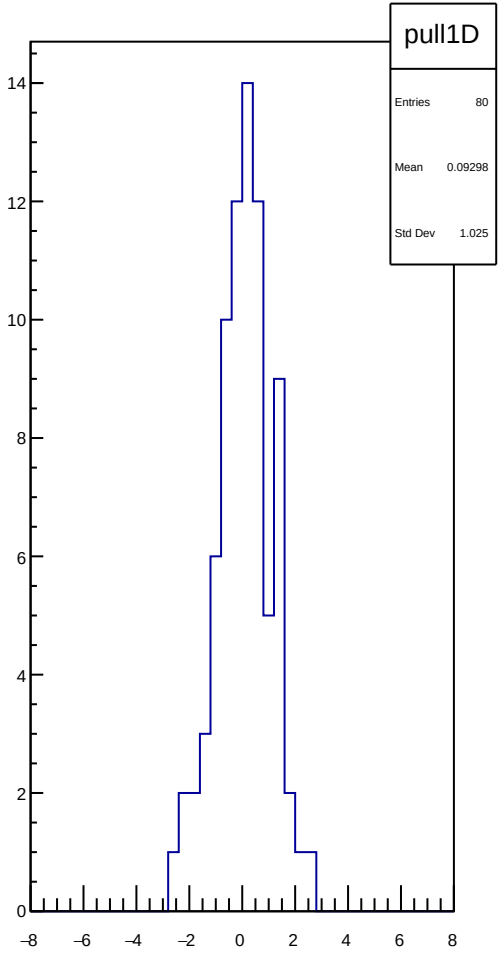

pull1D
Entries 80
Mean 0.009279
Std Dev 1.126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

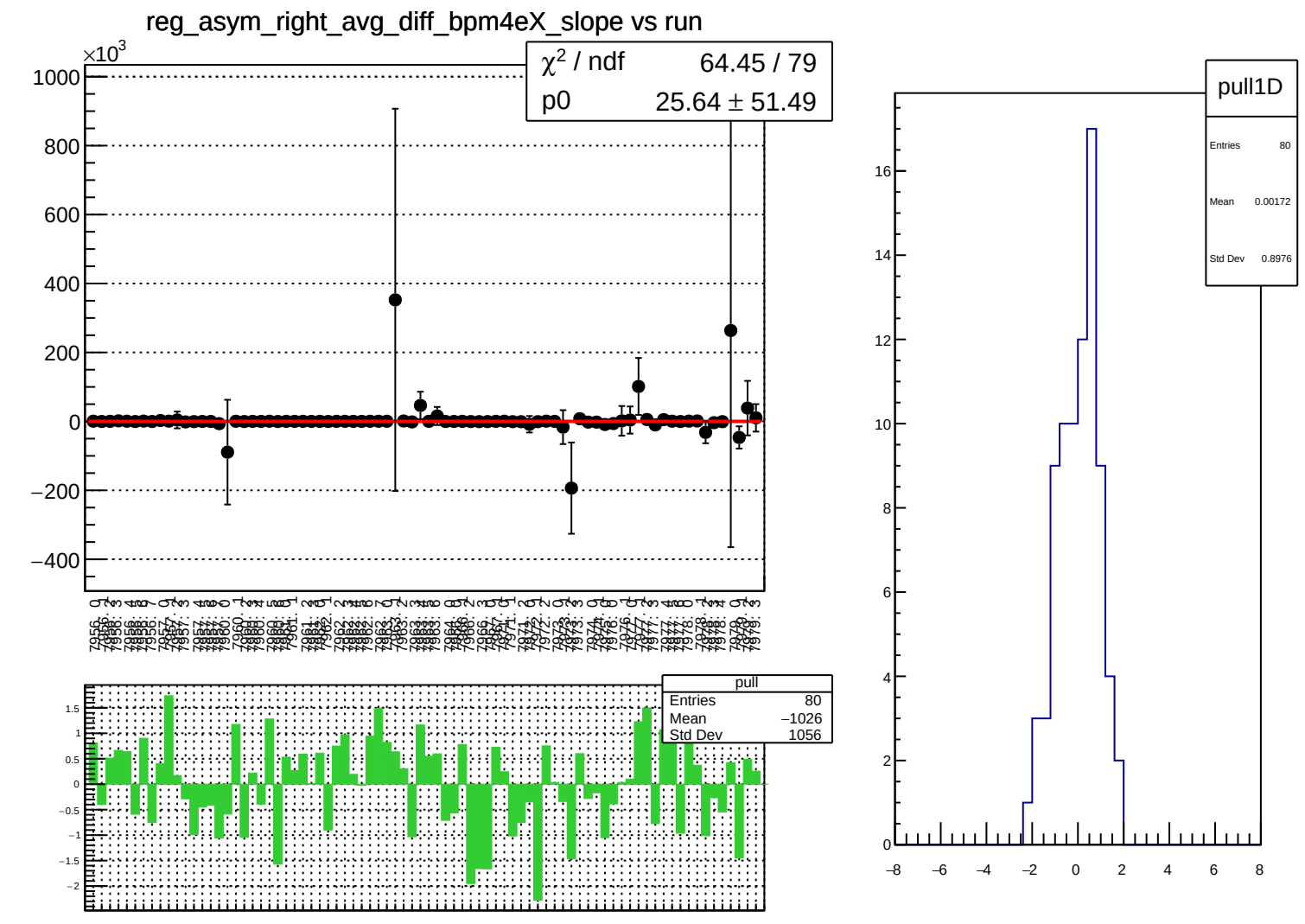

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 182.5 / 79
p0 −18.73 ± 0.1128
pull
Entries 80
Mean −244.4
Std Dev 281.6
pull1D
Entries 80
Mean −0.06199
Std Dev 1.509

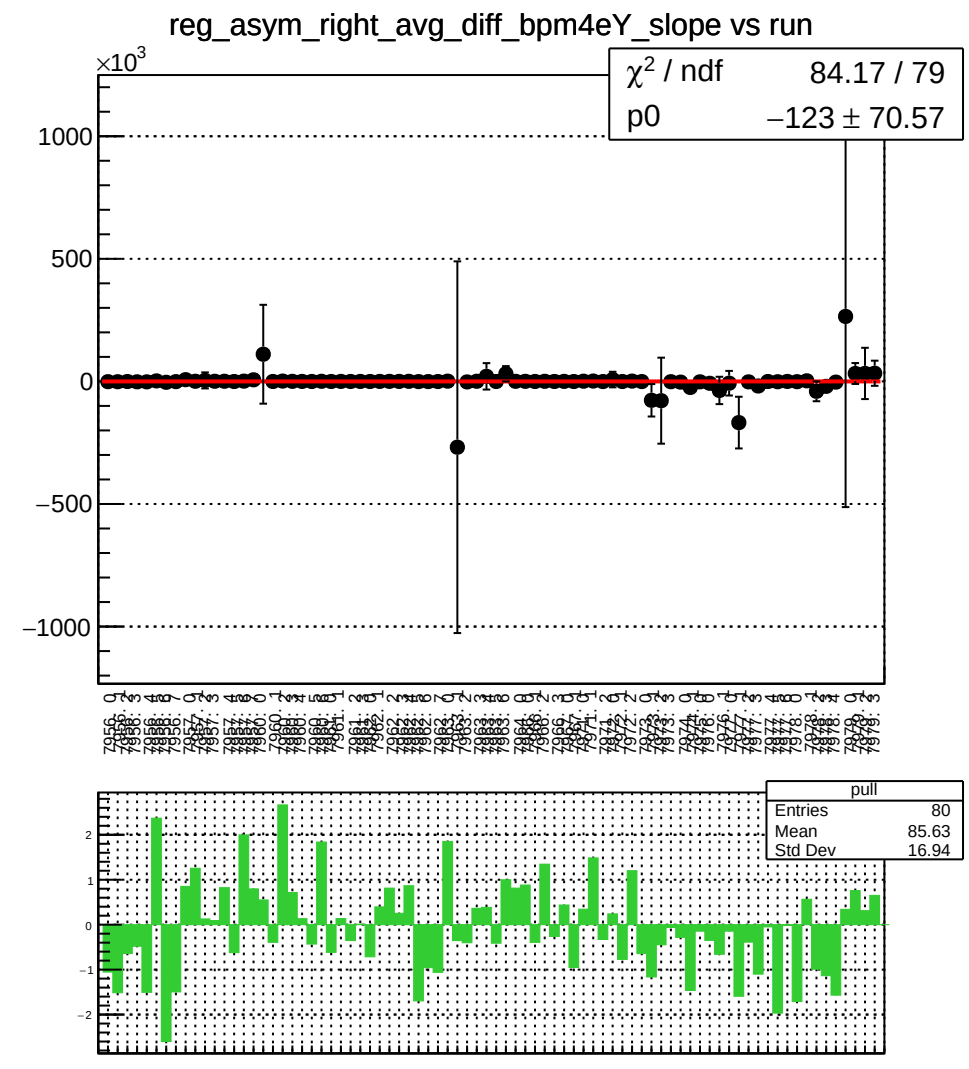

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 63.86 / 79
p0 10.92 ± 59.2
pull
Entries 80
Mean −117.8
Std Dev 146.9

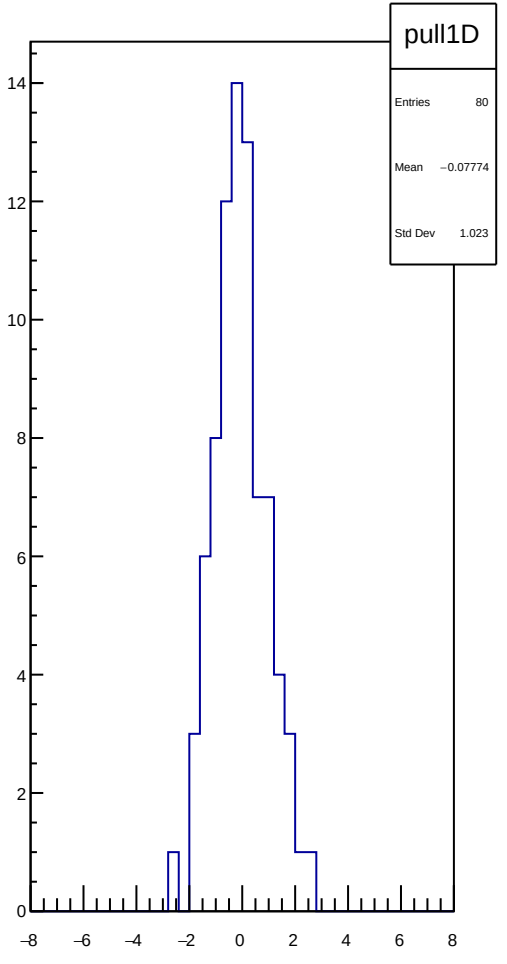

pull1D
Entries 80
Mean −0.01153
Std Dev 0.8934

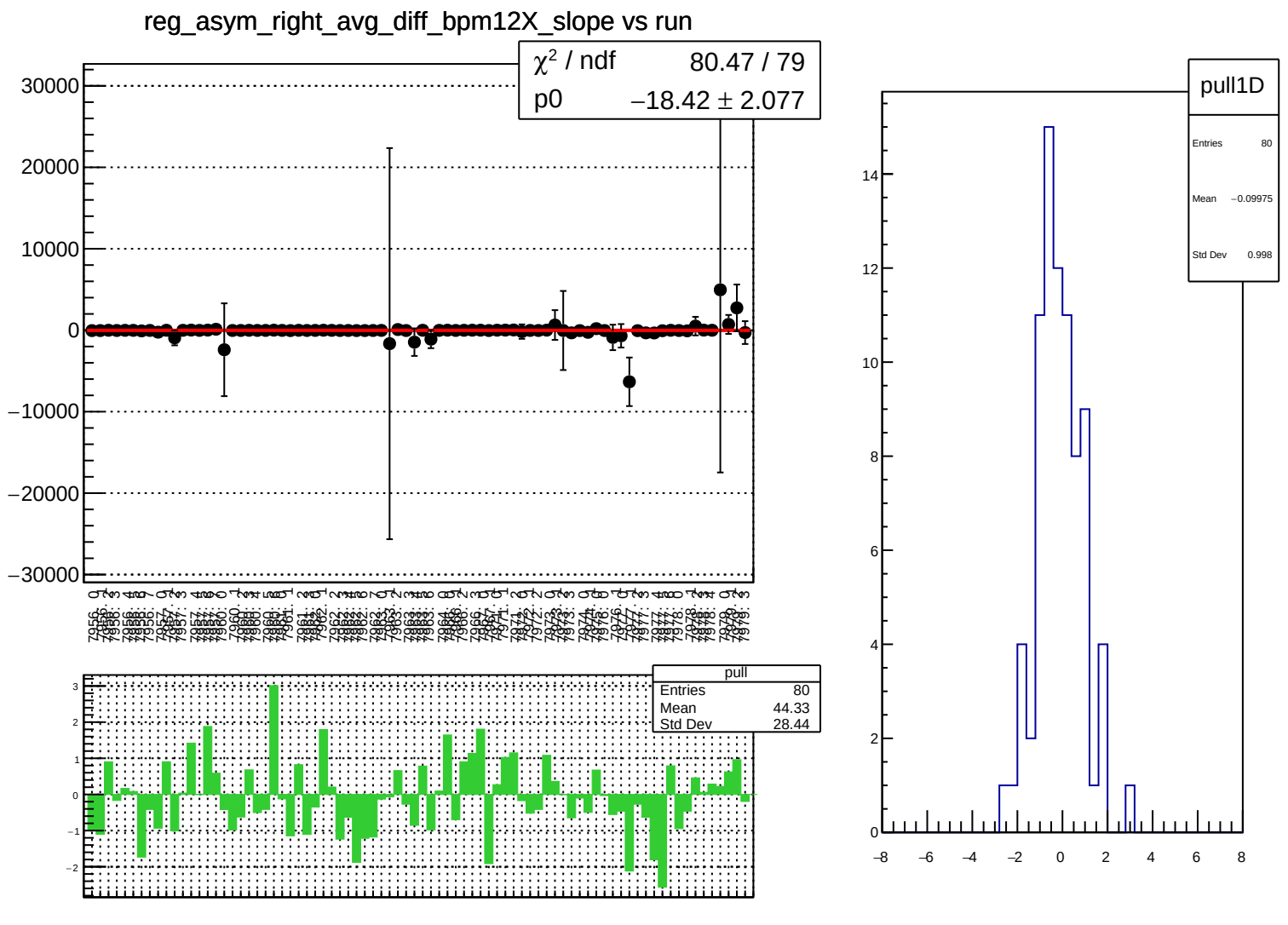

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 84.76 / 79
p0 110.9 ± 61.56
1000
500
0
−500
−1000
pull
Entries 80
Mean 79.63
Std Dev 9.465
2
1
0
−1
−2

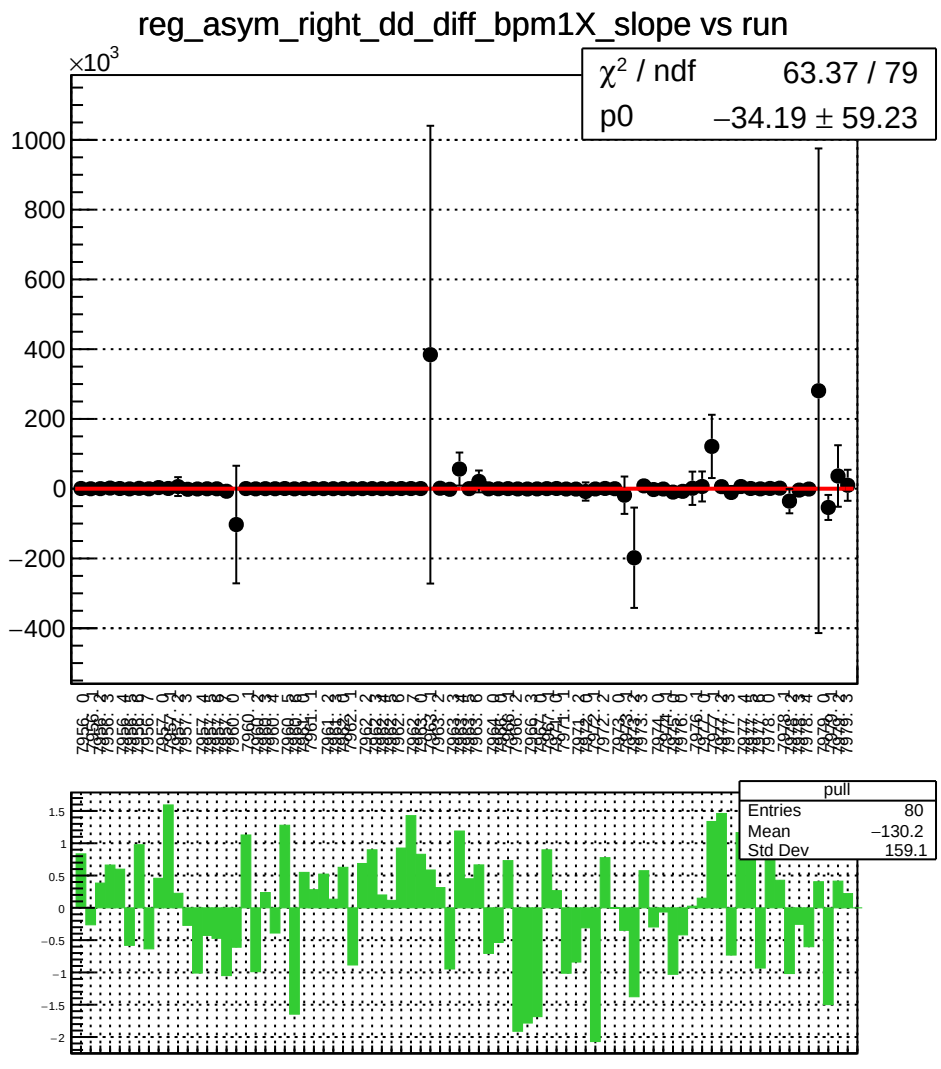

pull1D
Entries 80
Mean 0.09298
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

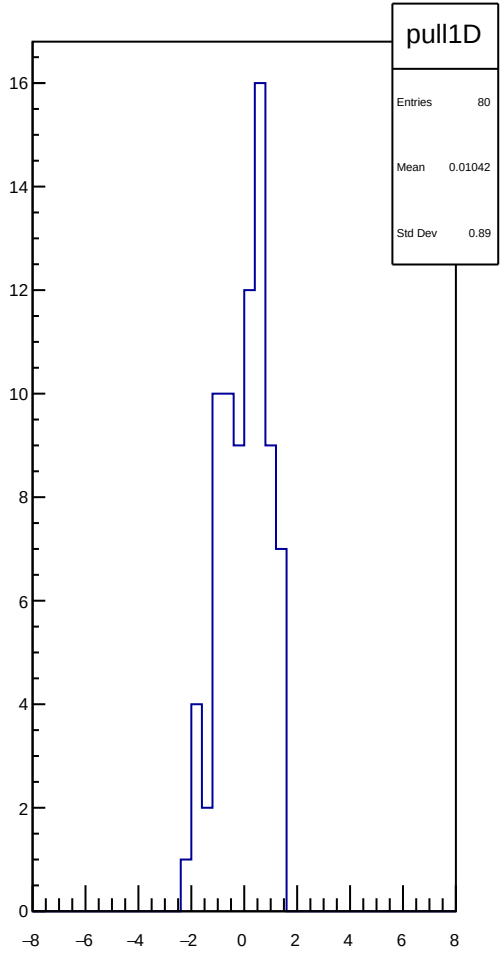

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.45 / 79
p0 25.64 ± 51.49
pull
Entries 80
Mean −1026
Std Dev 1056
pull1D
Entries 80
Mean 0.00172
Std Dev 0.8976

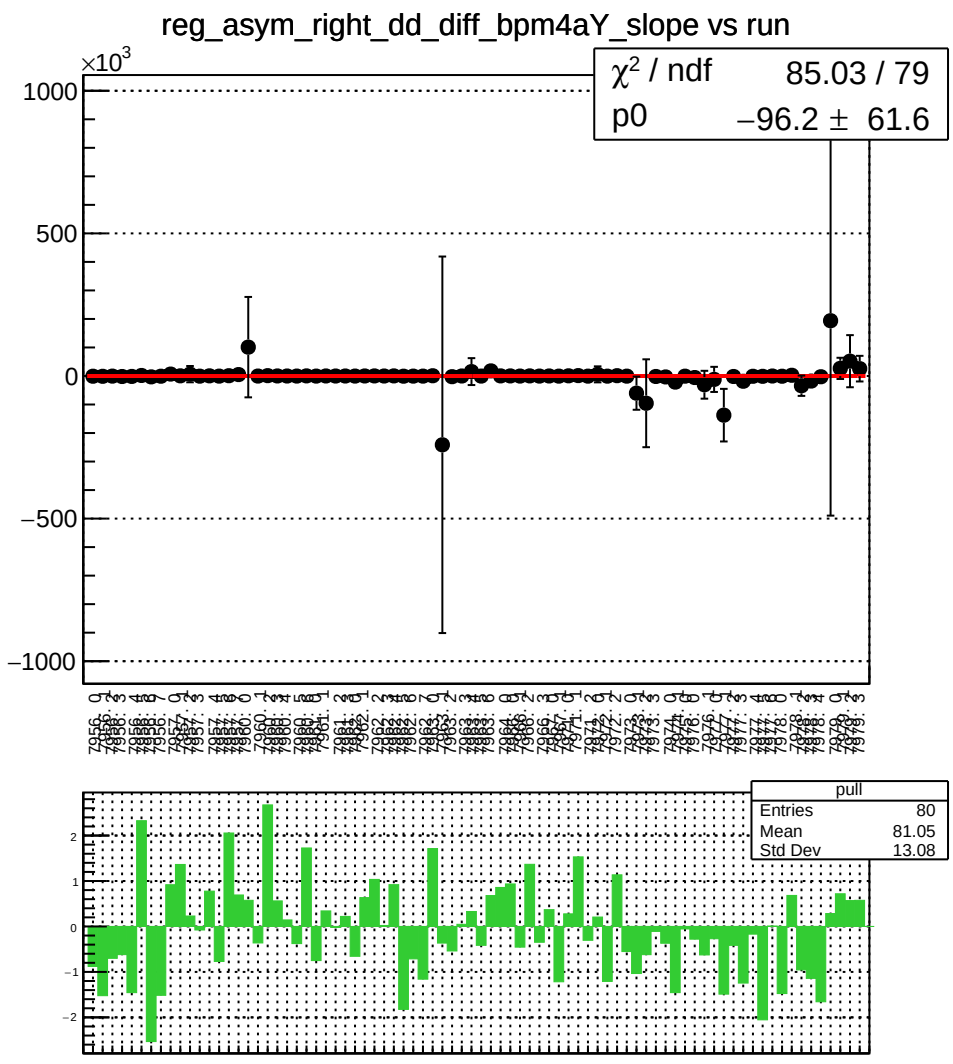

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 84.17 / 79
p0 −123 ± 70.57
1000
500
0
−500
−1000
pull
Entries 80
Mean 85.63
Std Dev 16.94
2
1
0
−1
−2

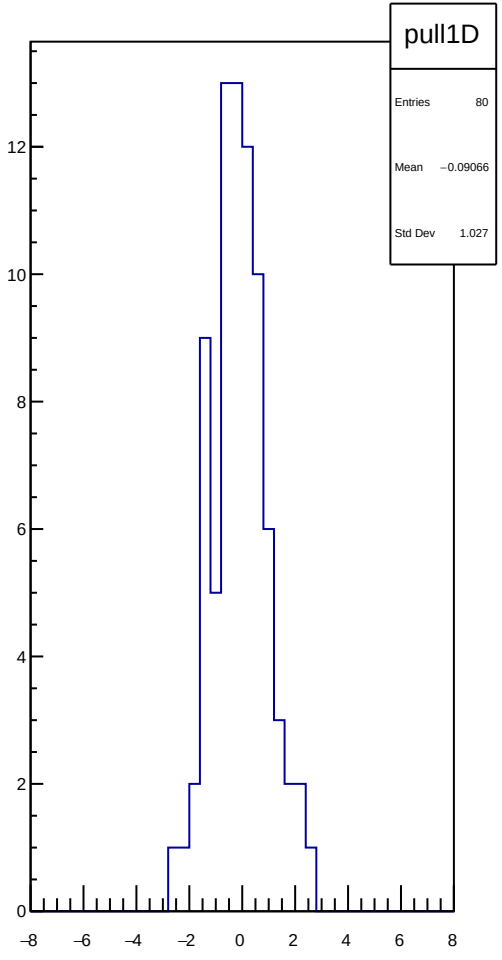

pull1D
Entries 80
Mean −0.07774
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

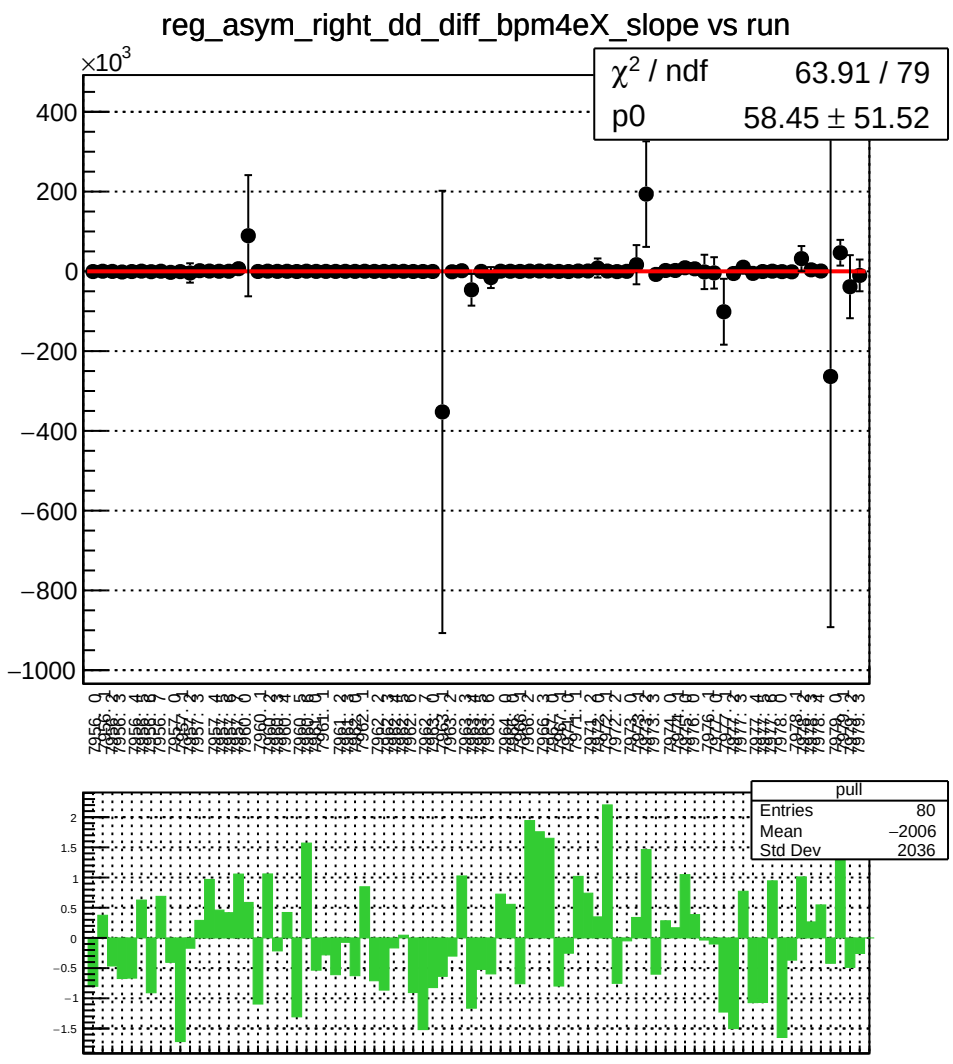

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 80.47 / 79
p0 −18.42 ± 2.077
pull
Entries 80
Mean 44.33
Std Dev 28.44
pull1D
Entries 80
Mean −0.09975
Std Dev 0.998

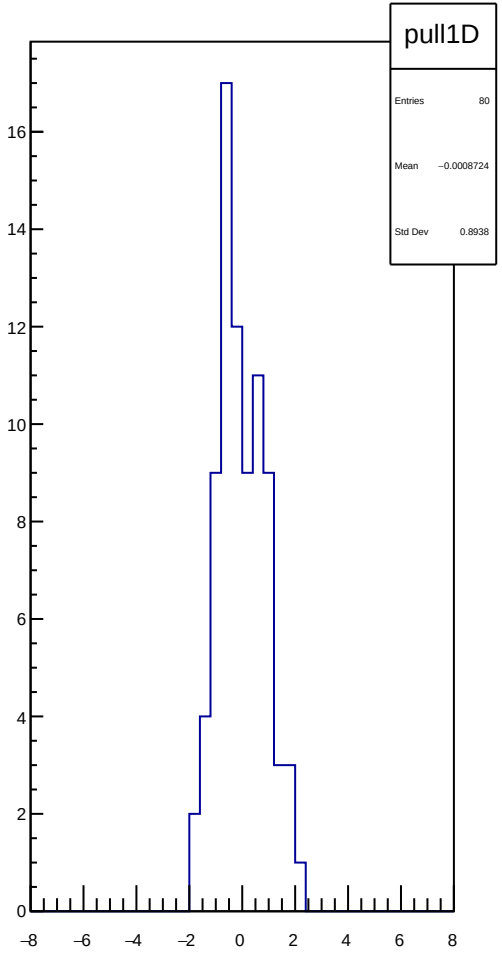

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 63.37 / 79
p0 −34.19 ± 59.23
1000
800
600
400
200
0
−200
−400
pull
Entries 80
Mean −130.2
Std Dev 159.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

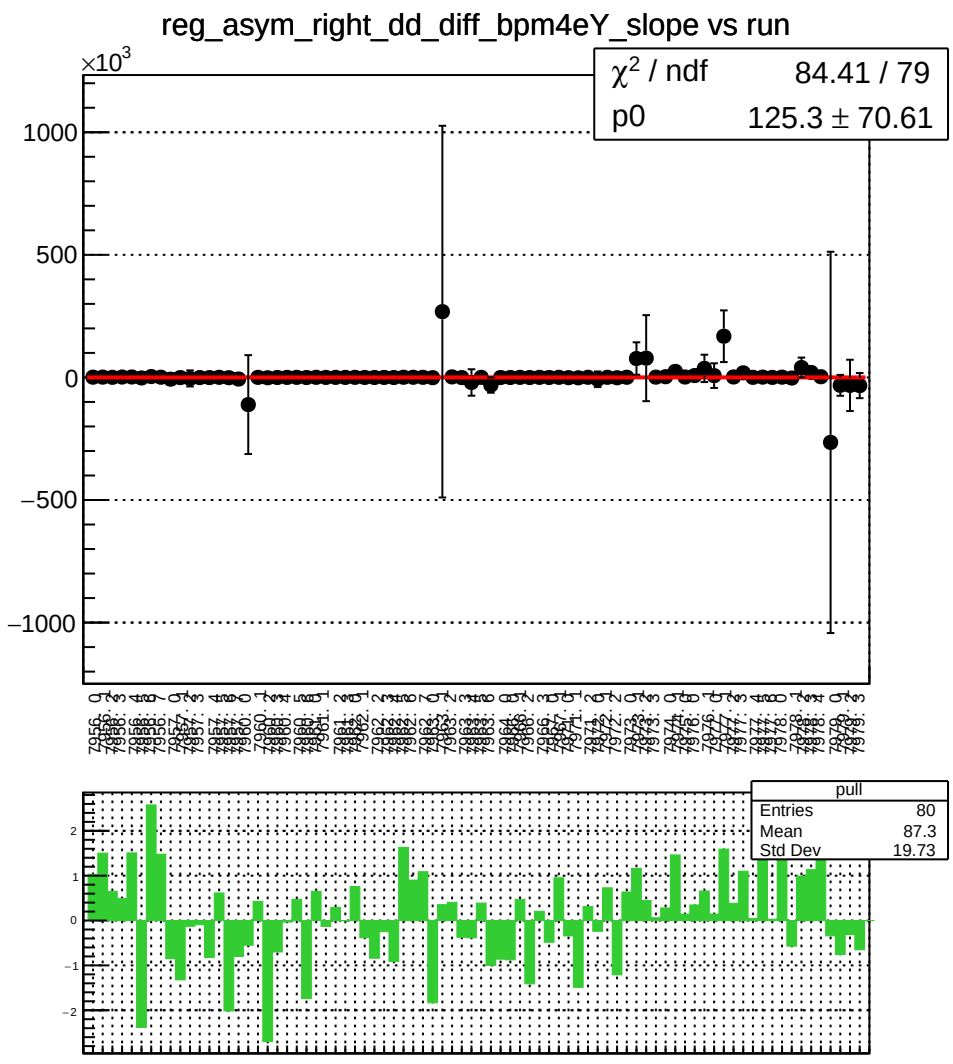

pull1D
Entries 80
Mean 0.01042
Std Dev 0.89
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

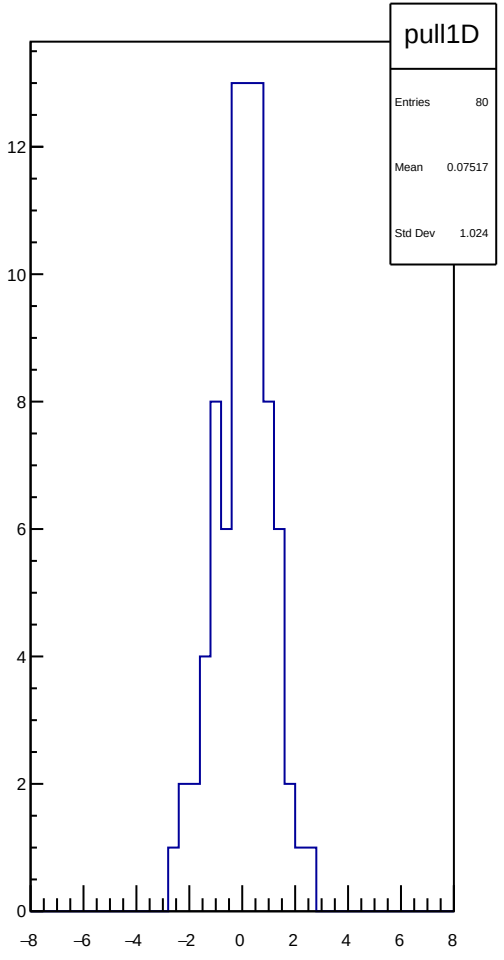

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 85.03 / 79
p0 −96.2 ± 61.6
1000
500
0
−500
−1000
pull
Entries 80
Mean 81.05
Std Dev 13.08
2
1
0
−1
−2

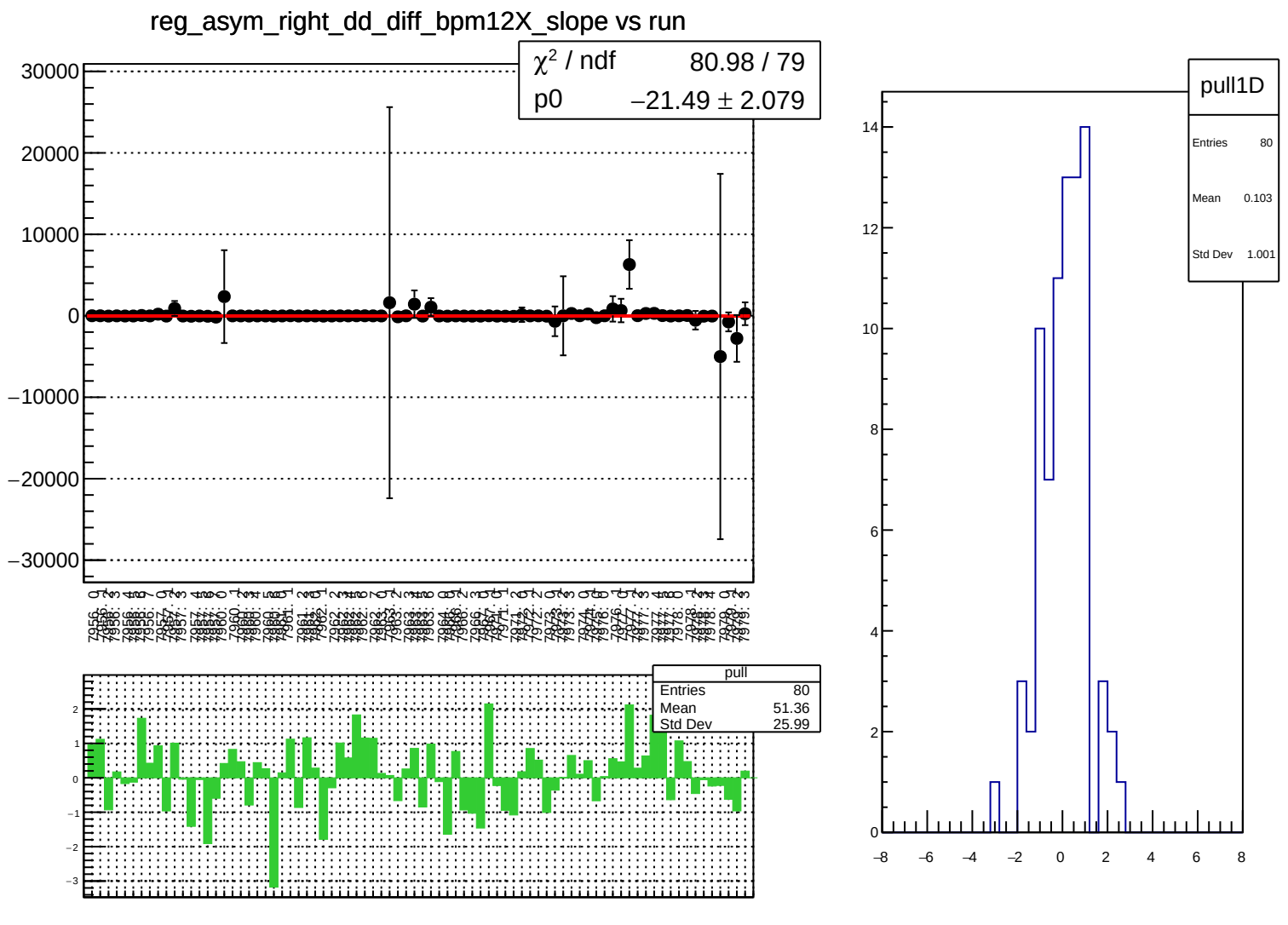

pull1D
Entries 80
Mean −0.09066
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

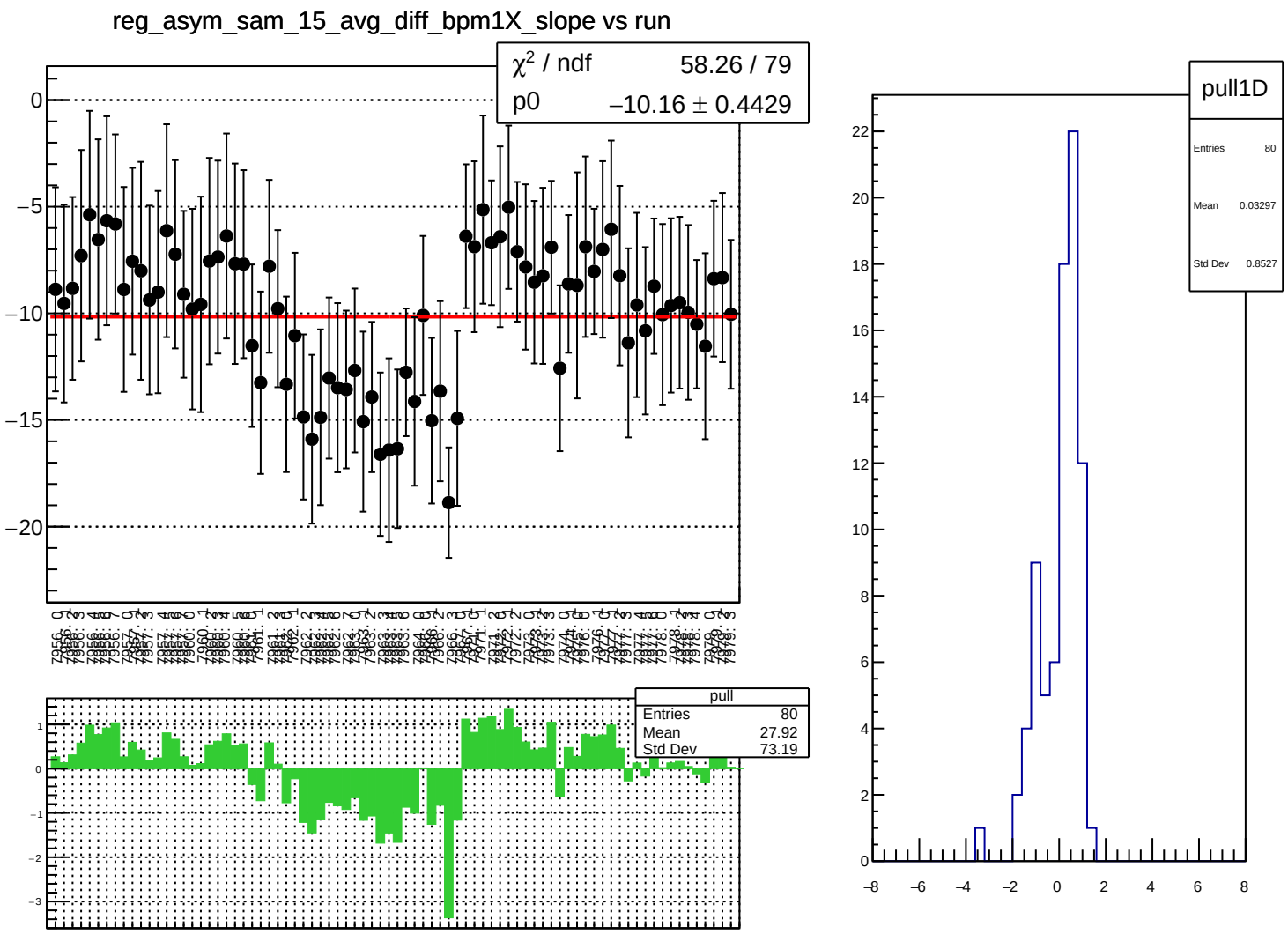

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.91 / 79
p0 58.45 ± 51.52
pull
Entries 80
Mean −2006
Std Dev 2036

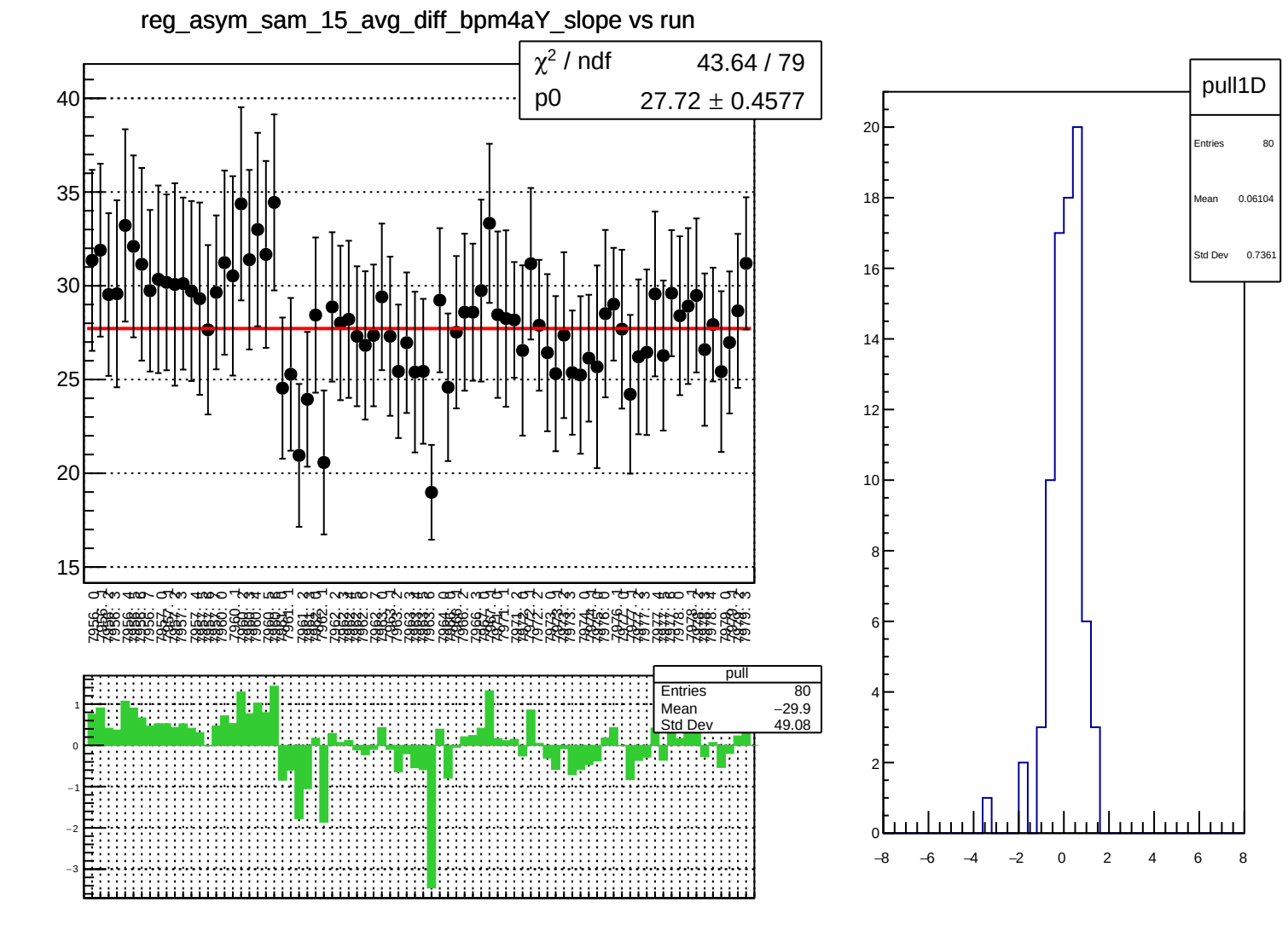

pull1D
Entries 80
Mean −0.0008724
Std Dev 0.8938

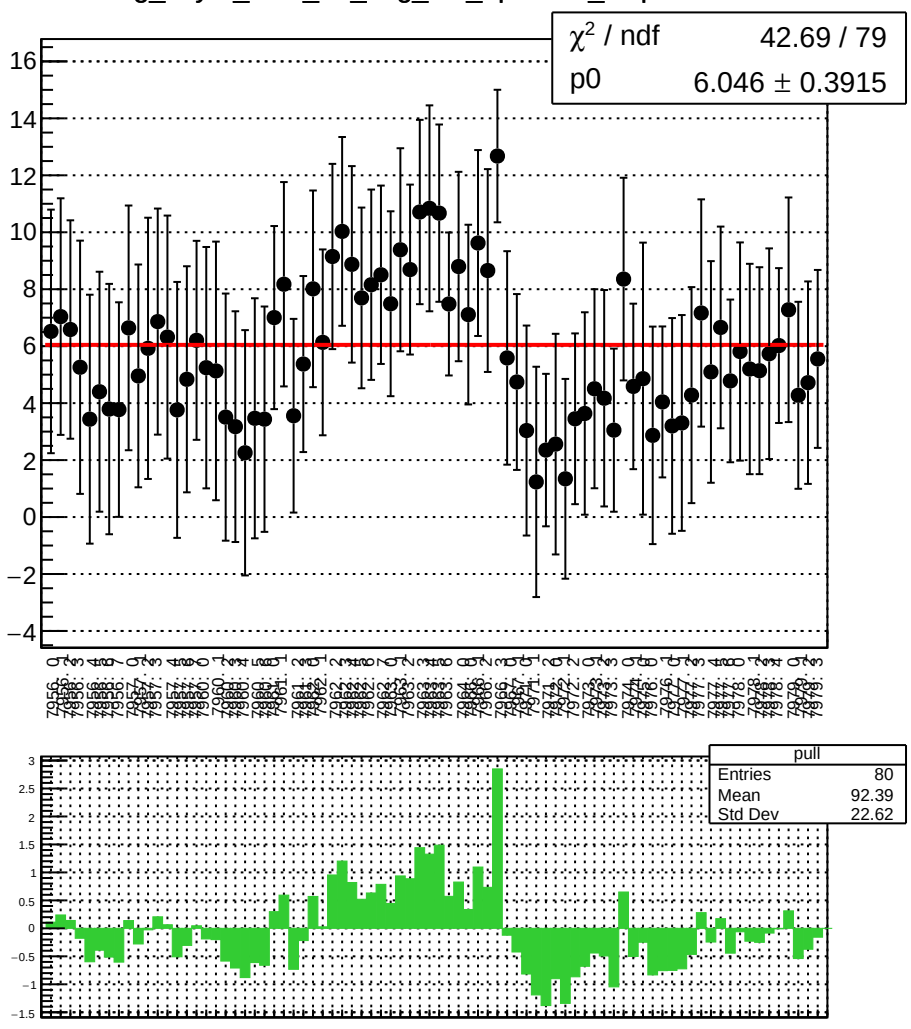

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 84.41 / 79
p0 125.3 ± 70.61
1000
500
0
−500
−1000
pull
Entries 80
Mean 87.3
Std Dev 19.73
2
1
0
−1
−2

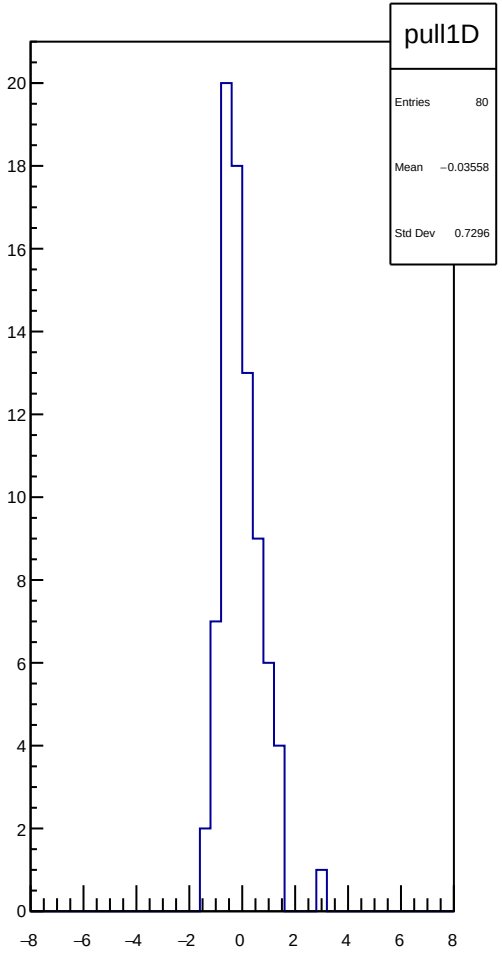

pull1D
Entries 80
Mean 0.07517
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

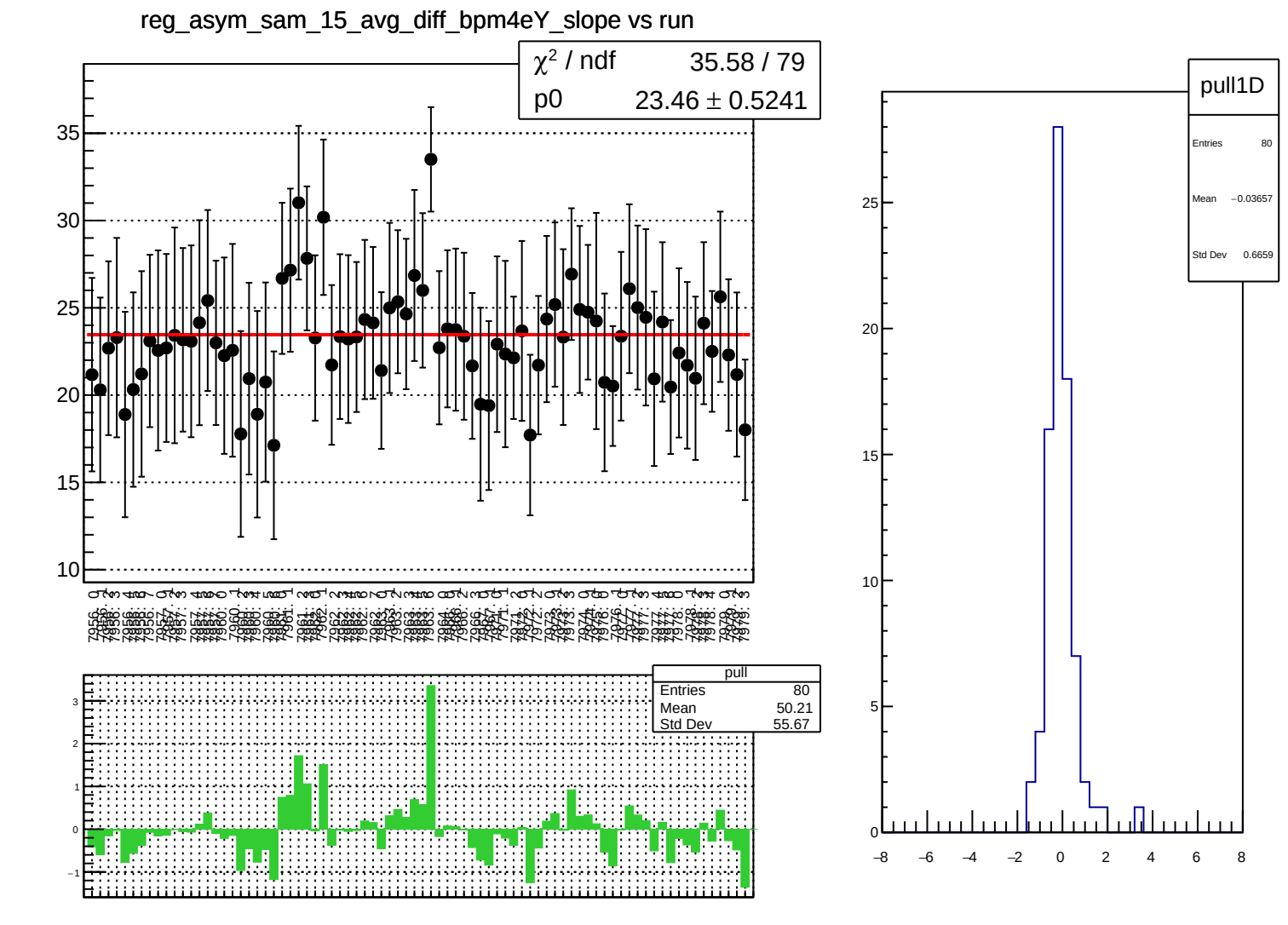

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 80.98 / 79
p0 −21.49 ± 2.079
pull
Entries 80
Mean 51.36
Std Dev 25.99
pull1D
Entries 80
Mean 0.103
Std Dev 1.001

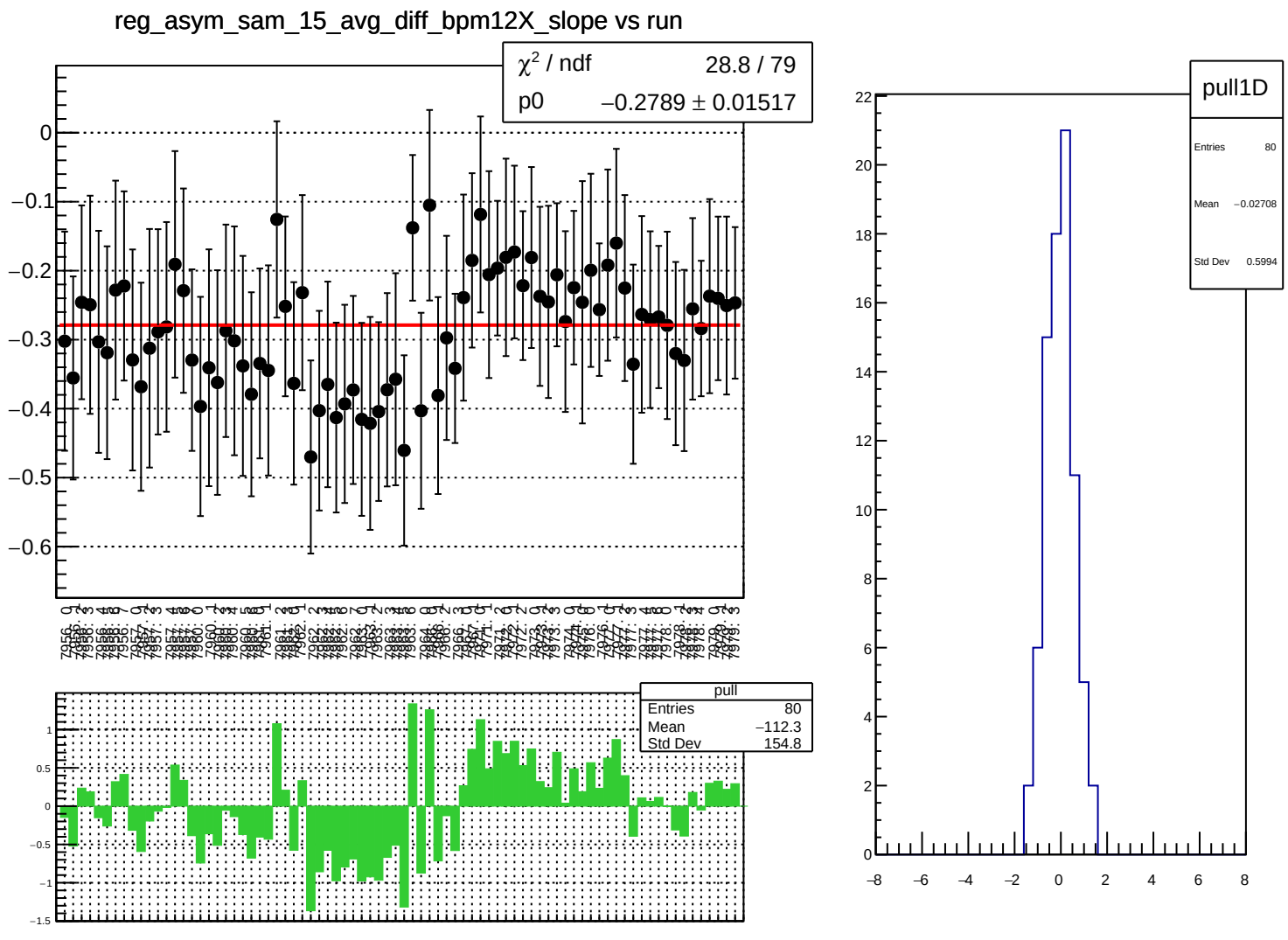

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 58.26 / 79
p0 −10.16 ± 0.4429
pull
Entries 80
Mean 27.92
Std Dev 73.19
pull1D
Entries 80
Mean 0.03297
Std Dev 0.8527

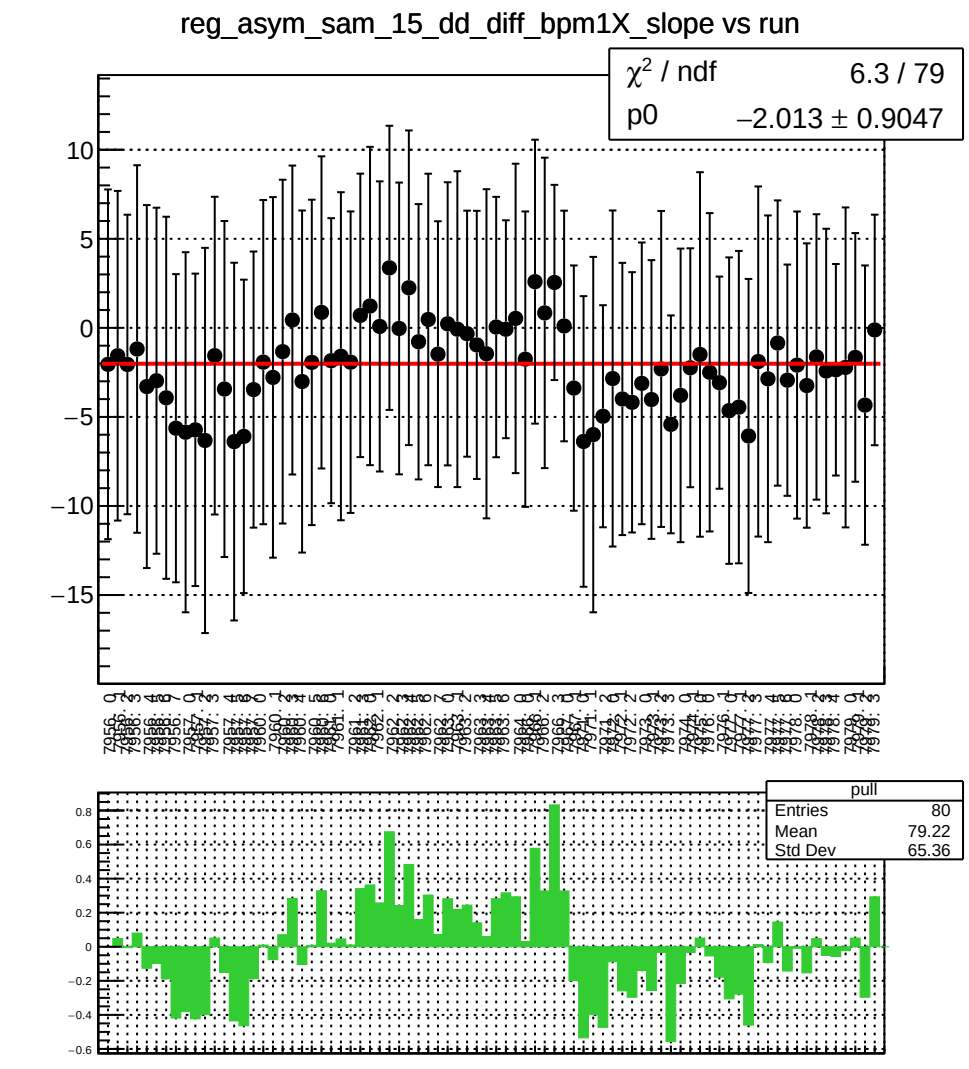

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.64 / 79
p0 27.72 ± 0.4577
pull
Entries 80
Mean −29.9
Std Dev 49.08
pull1D
Entries 80
Mean 0.06104
Std Dev 0.7361

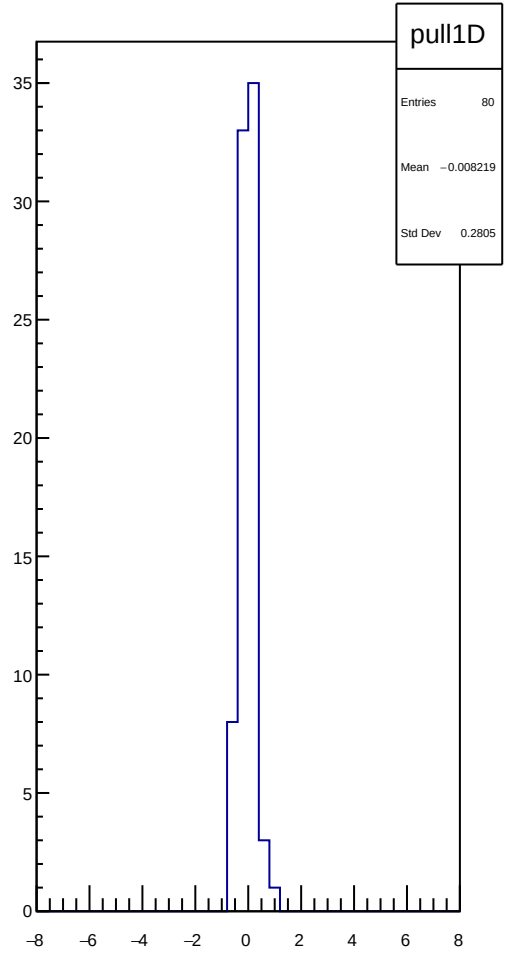

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.69 / 79
p0 6.046 ± 0.3915
pull
Entries 80
Mean 92.39
Std Dev 22.62

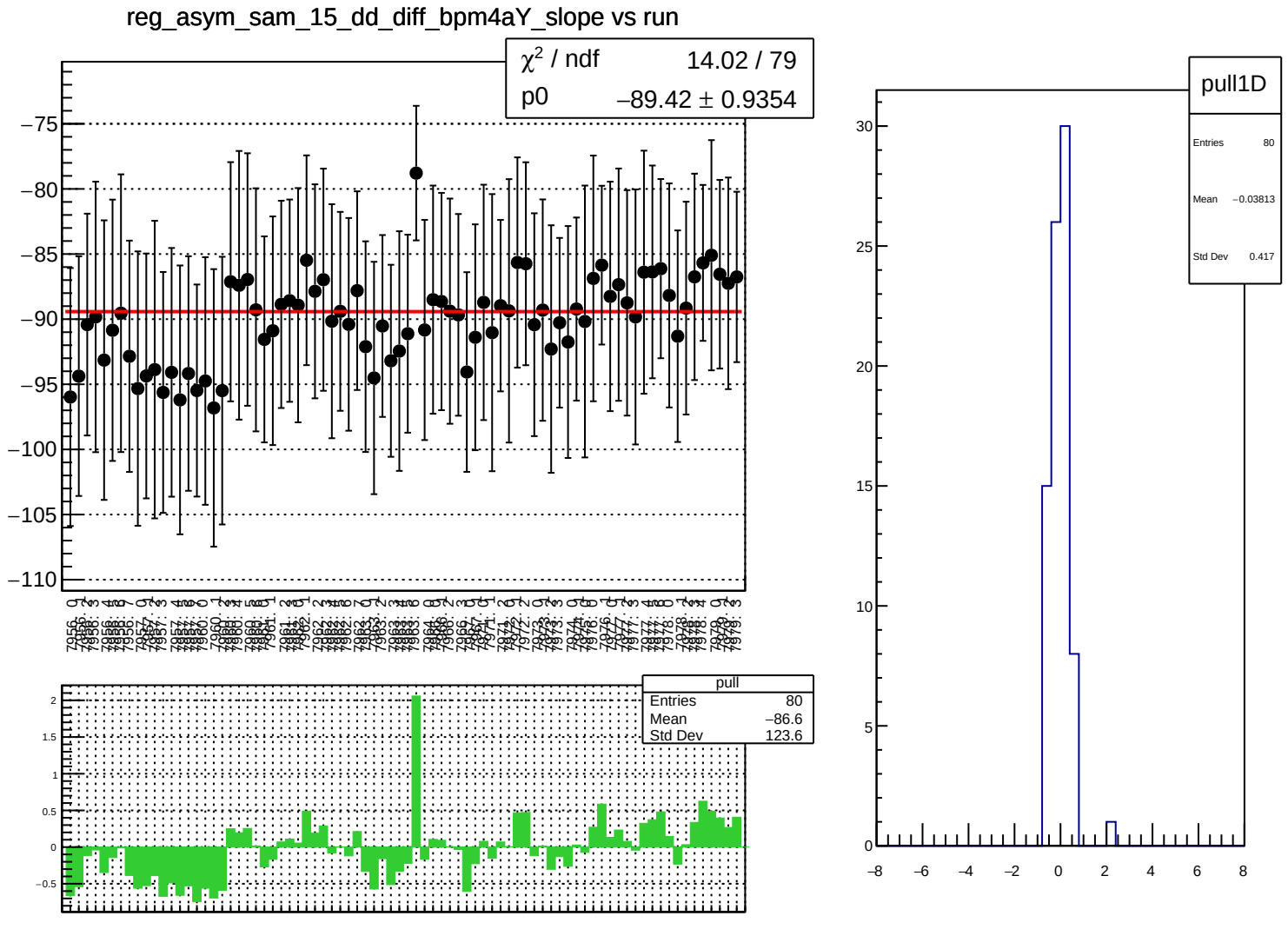

pull1D
Entries 80
Mean −0.03558
Std Dev 0.7296

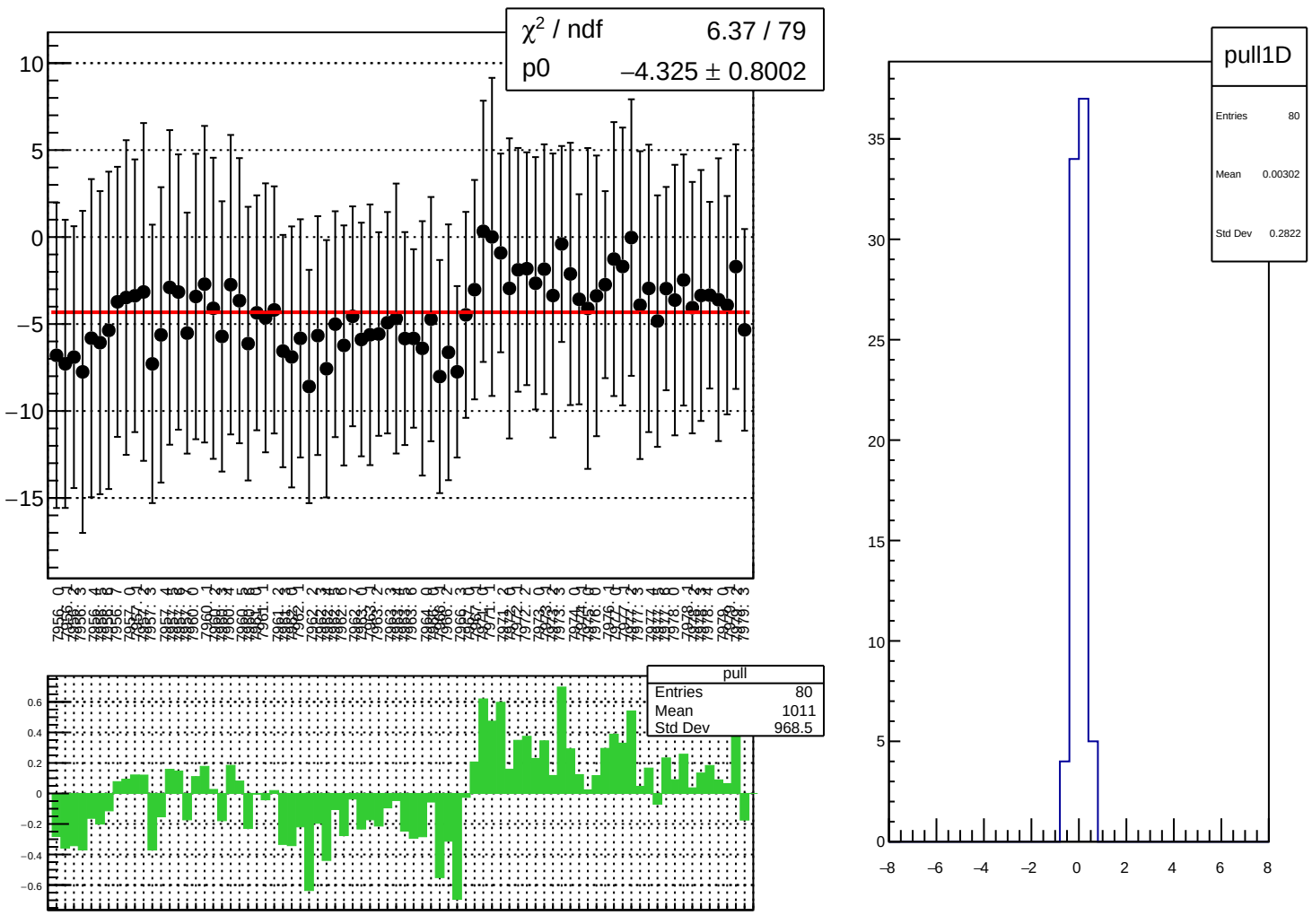

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.58 / 79
p0 23.46 ± 0.5241
pull
Entries 80
Mean 50.21
Std Dev 55.67
pull1D
Entries 80
Mean −0.03657
Std Dev 0.6659

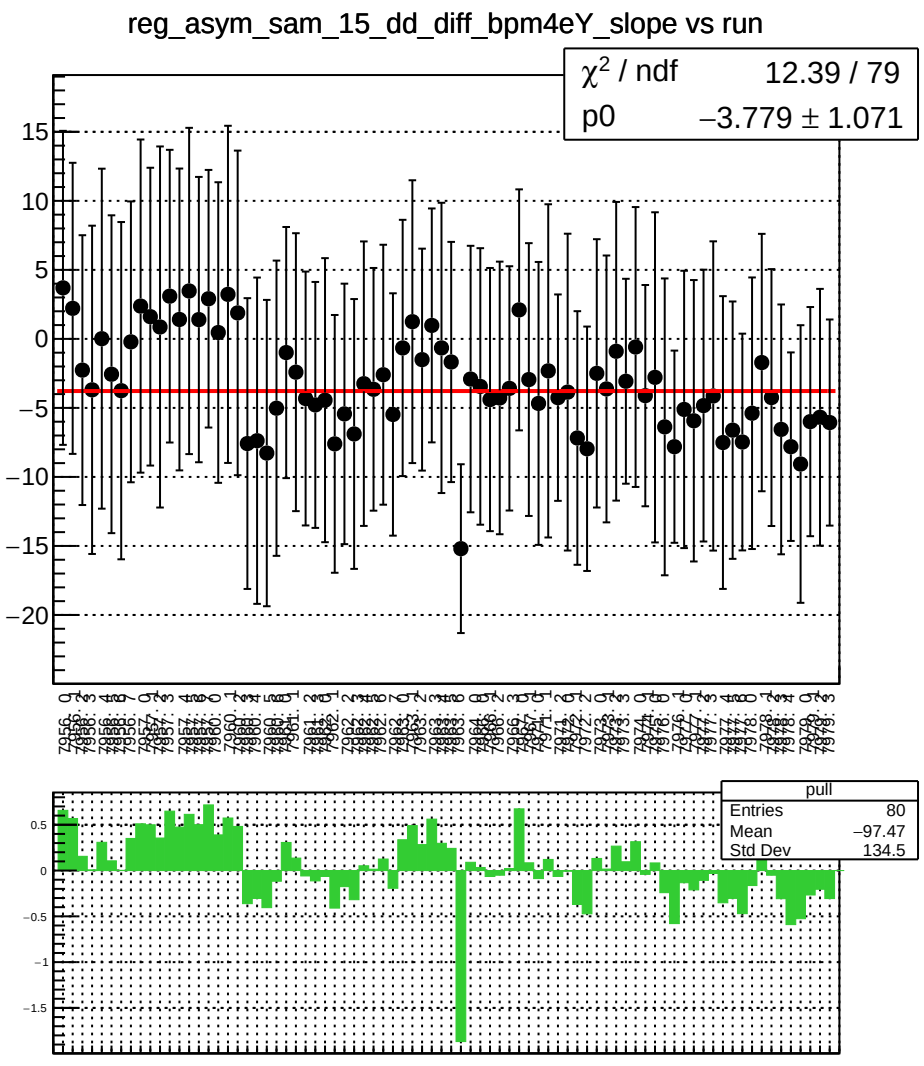

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 28.8 / 79
p0 −0.2789 ± 0.01517
pull
Entries 80
Mean −112.3
Std Dev 154.8
pull1D
Entries 80
Mean −0.02708
Std Dev 0.5994

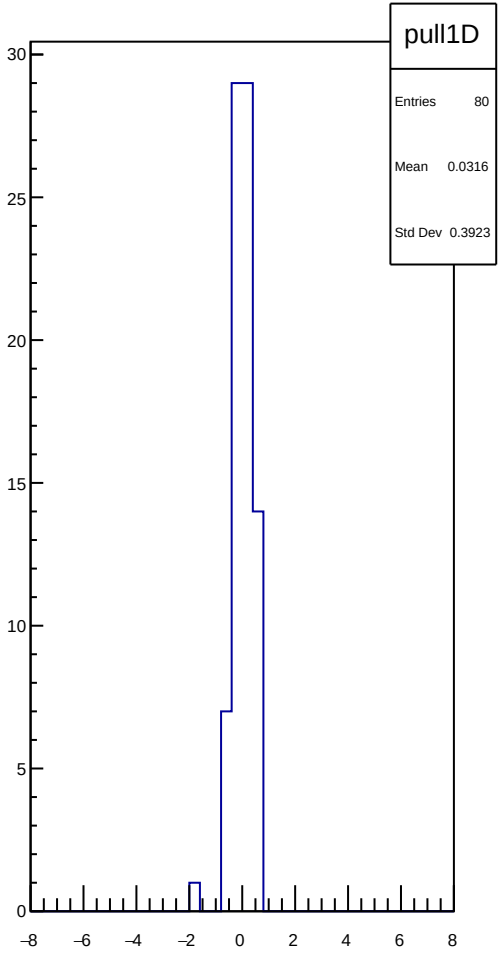

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 6.3 / 79
p0 −2.013 ± 0.9047
pull
Entries 80
Mean 79.22
Std Dev 65.36

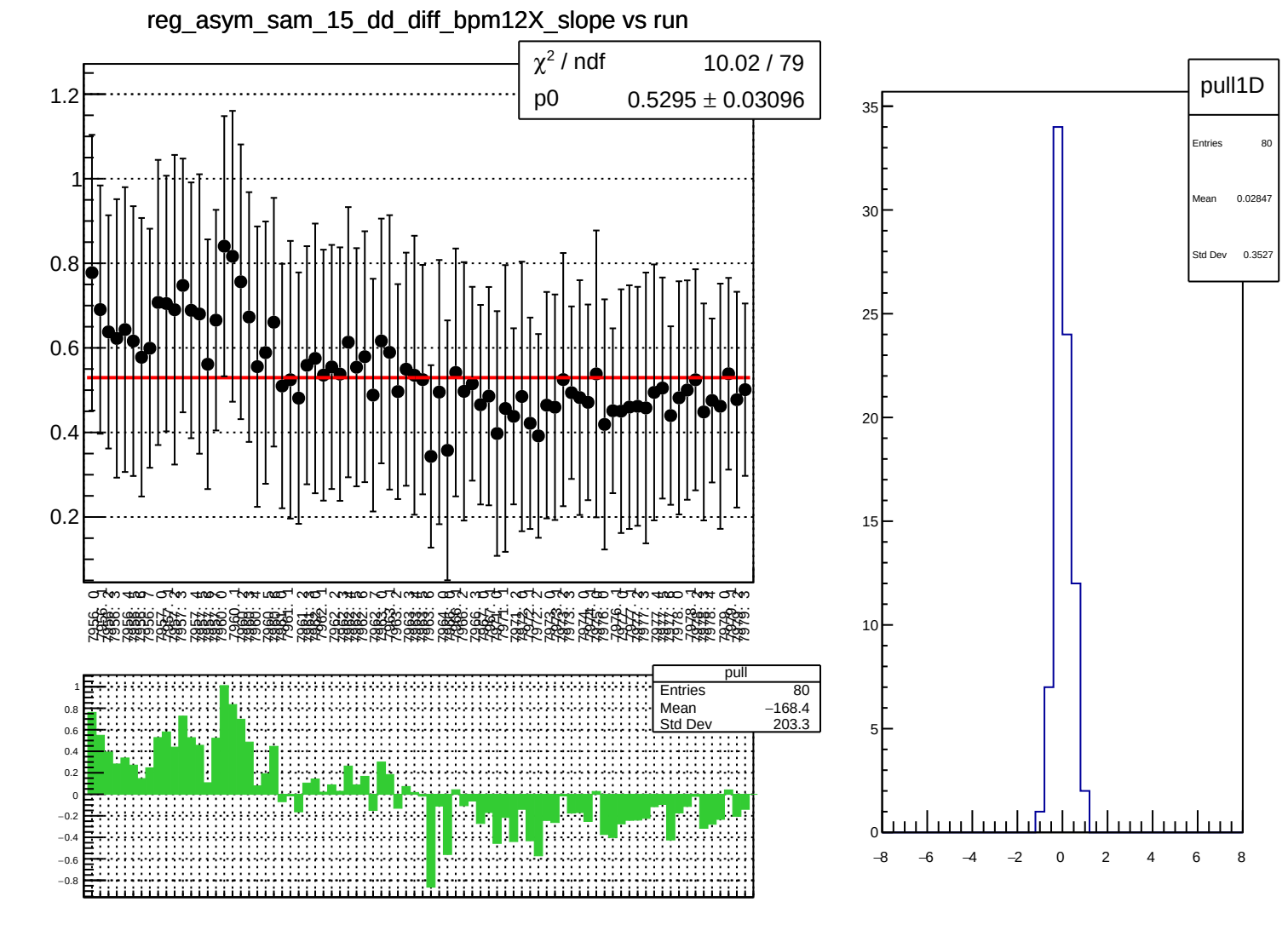

pull1D
Entries 80
Mean −0.008219
Std Dev 0.2805

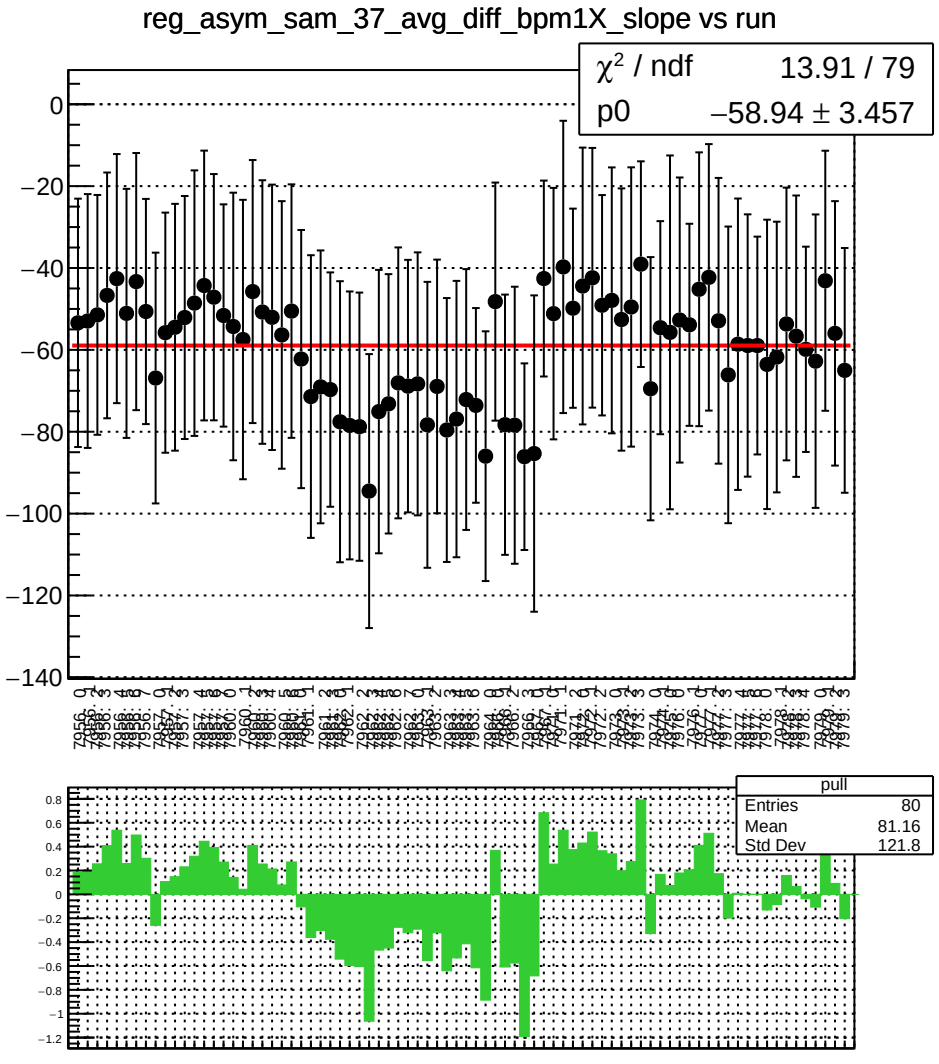

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.02 / 79
p0 −89.42 ± 0.9354
pull
Entries 80
Mean −86.6
Std Dev 123.6
pull1D
Entries 80
Mean −0.03813
Std Dev 0.417

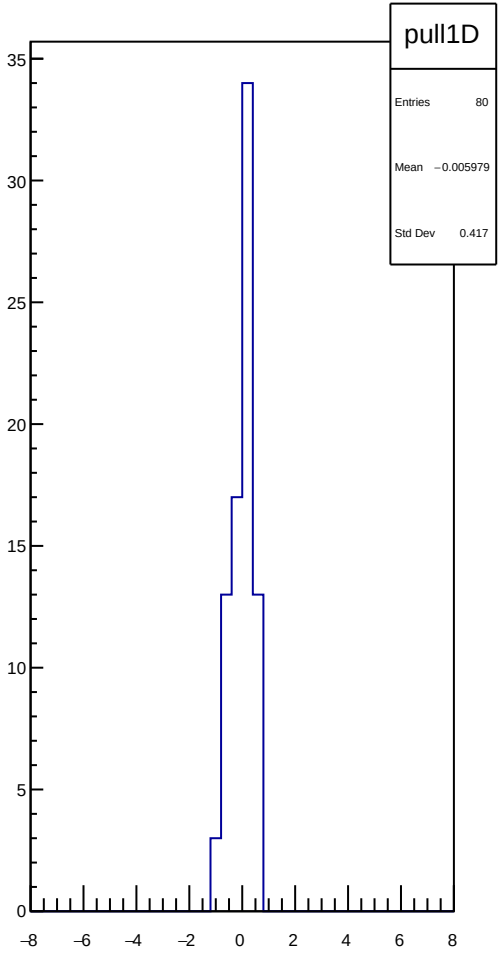

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.37 / 79
p0 −4.325 ± 0.8002
pull
Entries 80
Mean 1011
Std Dev 968.5
pull1D
Entries 80
Mean 0.00302
Std Dev 0.2822

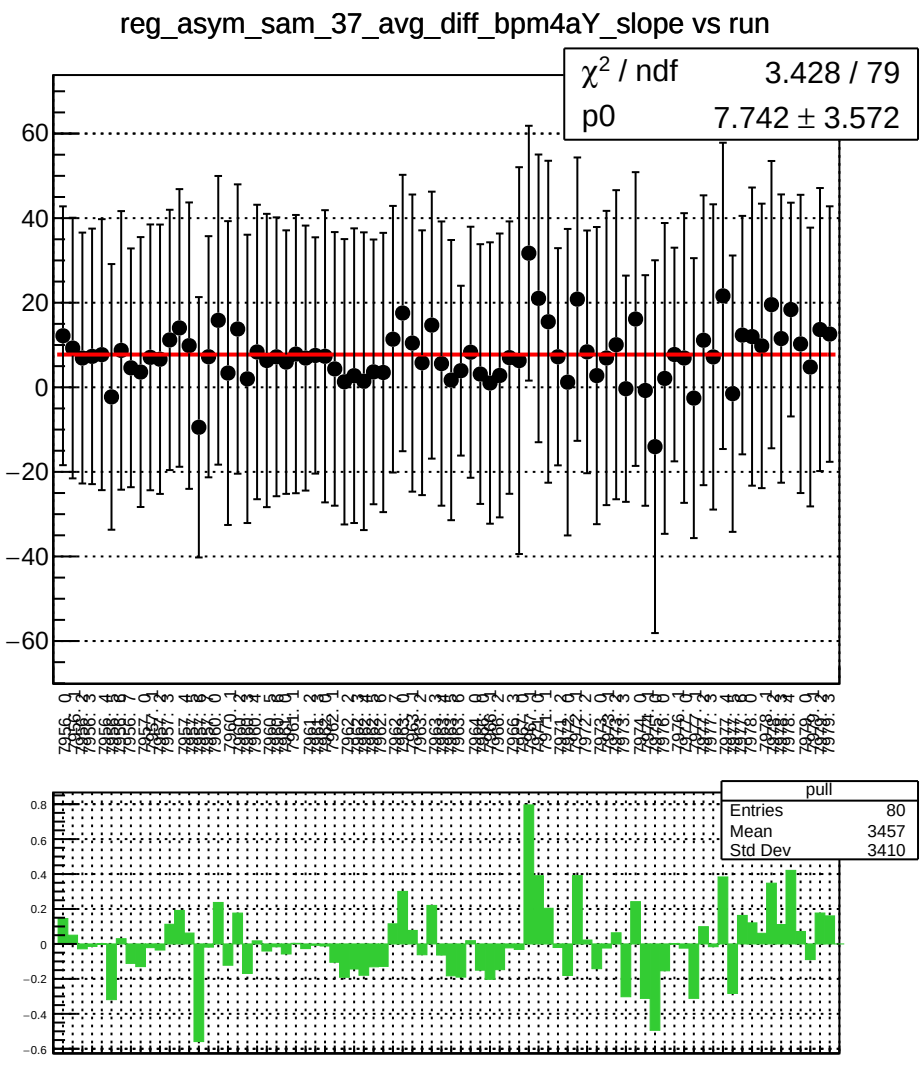

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.39 / 79
p0 −3.779 ± 1.071
pull
Entries 80
Mean −97.47
Std Dev 134.5

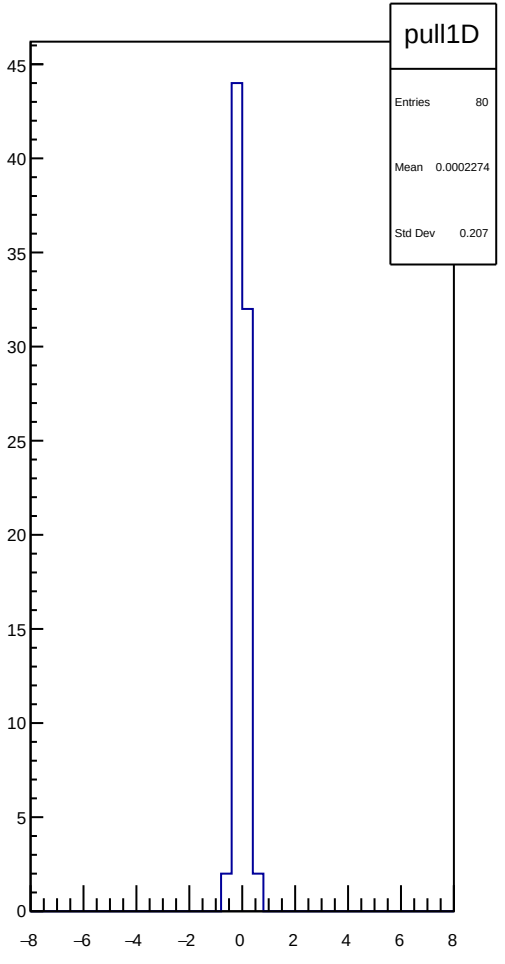

pull1D
Entries 80
Mean 0.0316
Std Dev 0.3923

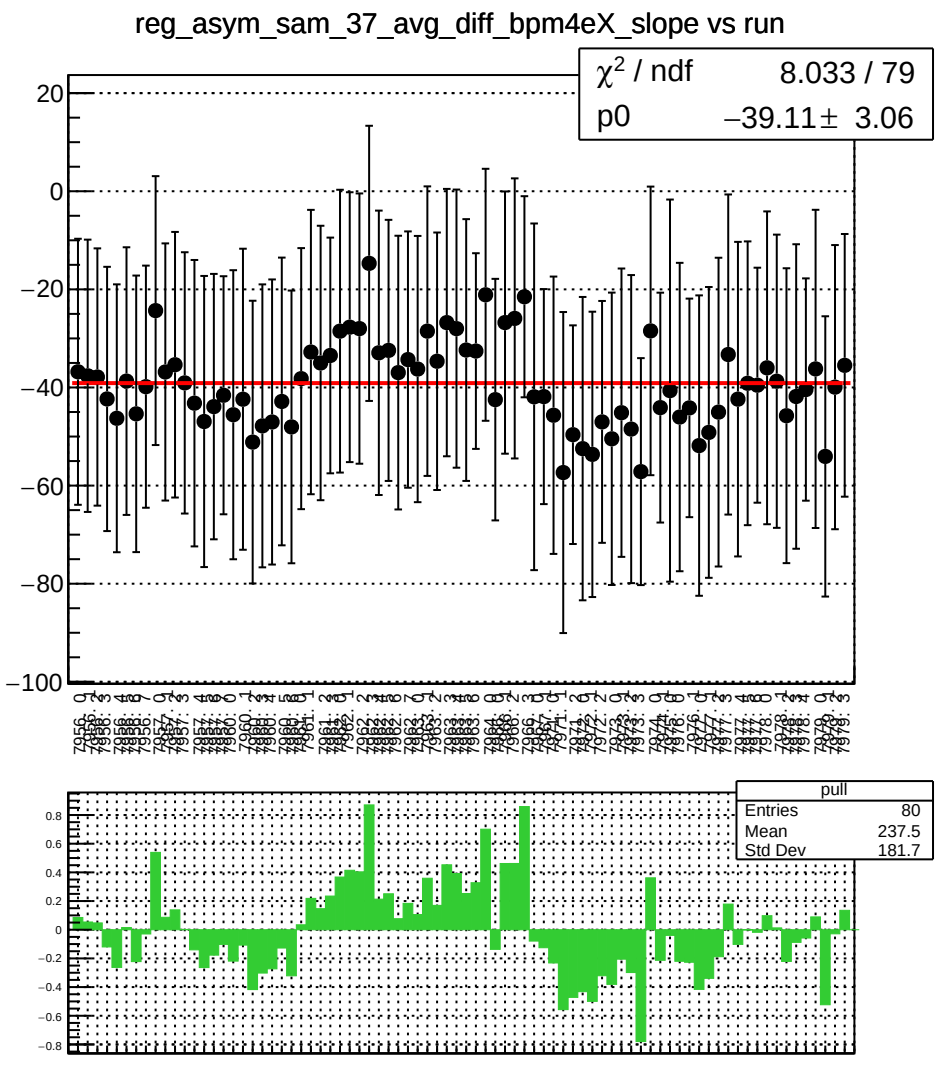

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.02 / 79
p0 0.5295 ± 0.03096
pull
Entries 80
Mean −168.4
Std Dev 203.3
pull1D
Entries 80
Mean 0.02847
Std Dev 0.3527

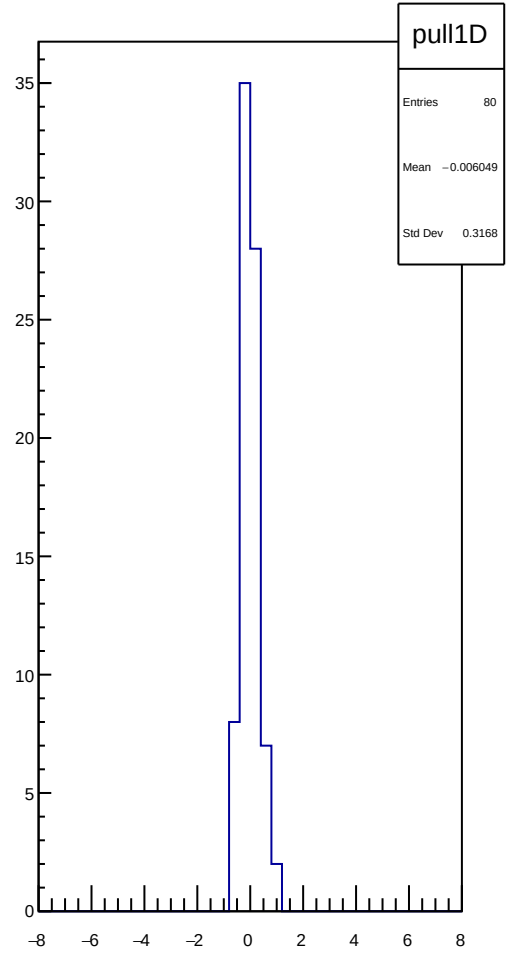

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 13.91 / 79
p0 −58.94 ± 3.457
pull
Entries 80
Mean 81.16
Std Dev 121.8

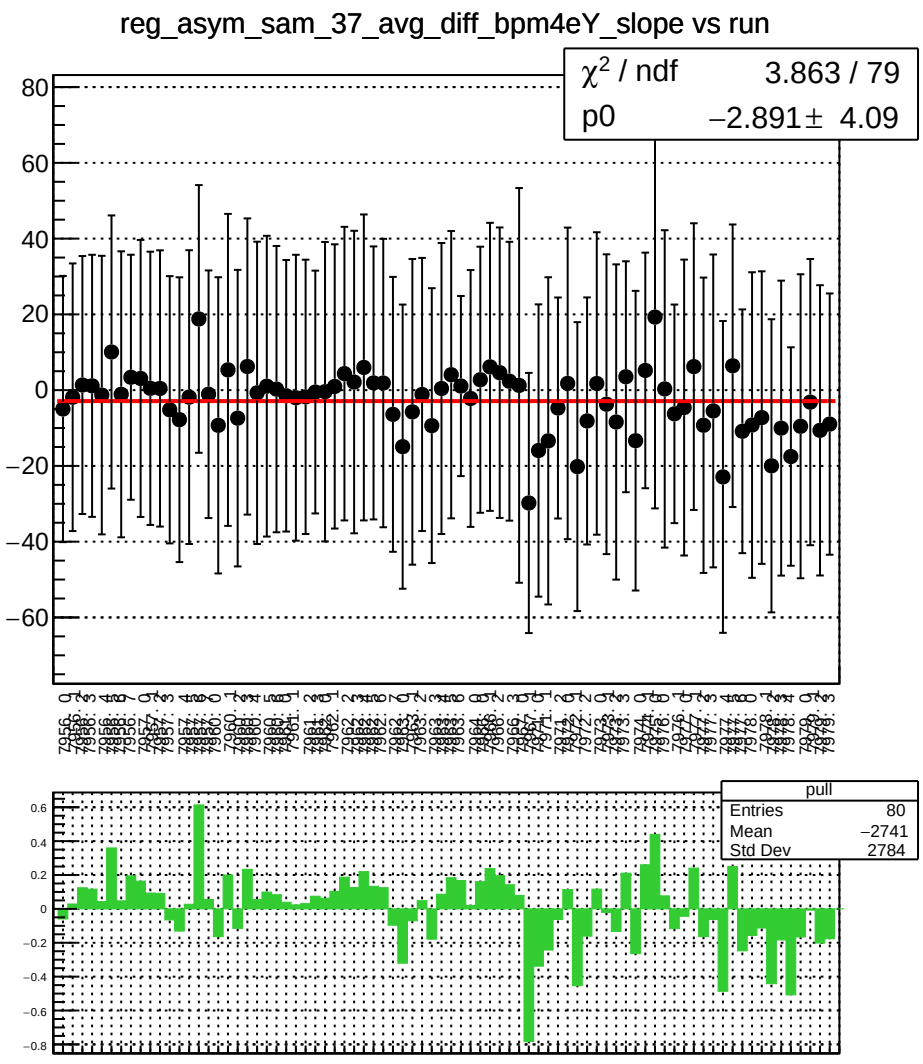

pull1D
Entries 80
Mean −0.005979
Std Dev 0.417

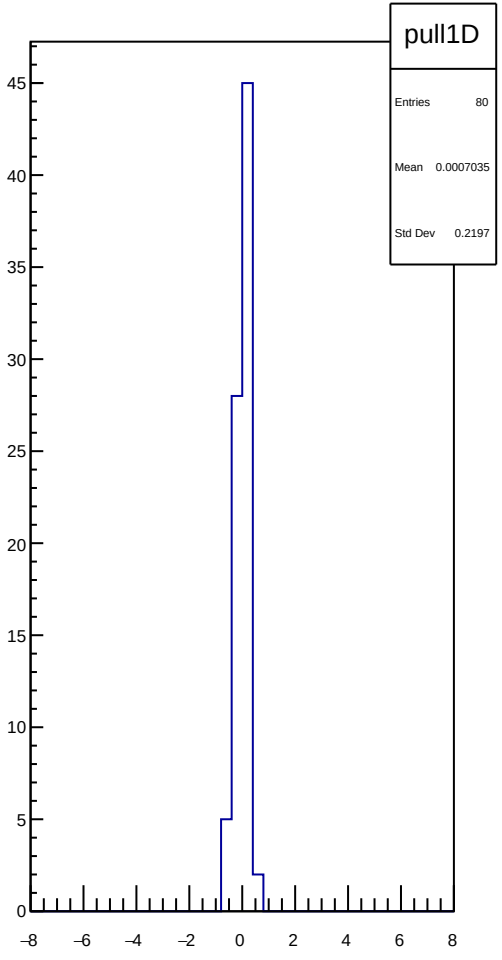

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.428 / 79
p0 7.742 ± 3.572
pull
Entries 80
Mean 3457
Std Dev 3410

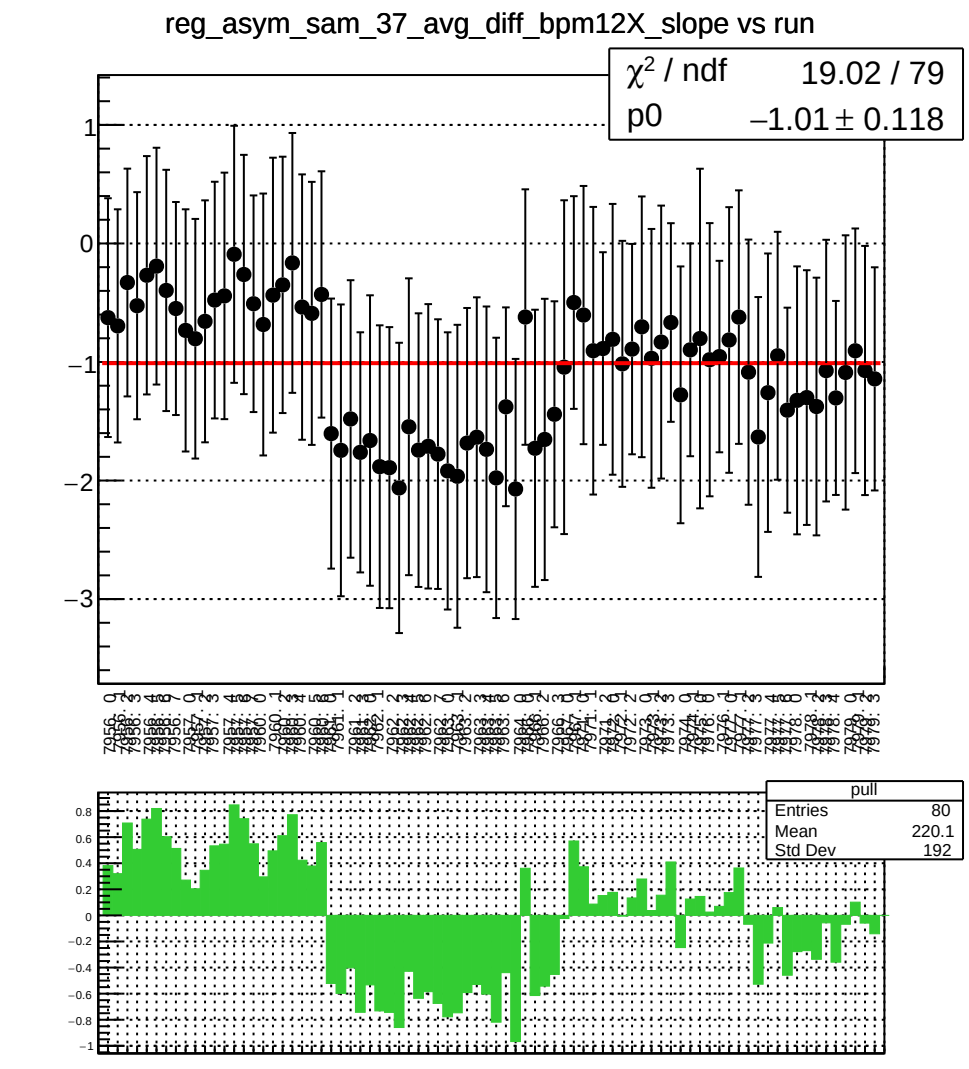

pull1D
Entries 80
Mean 0.0002274
Std Dev 0.207

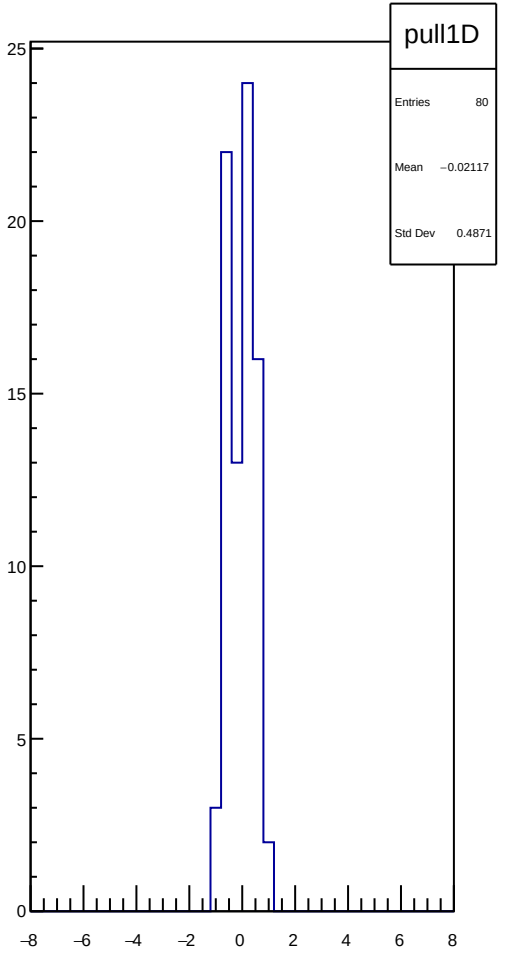

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.033 / 79
p0 −39.11 ± 3.06
pull
Entries 80
Mean 237.5
Std Dev 181.7

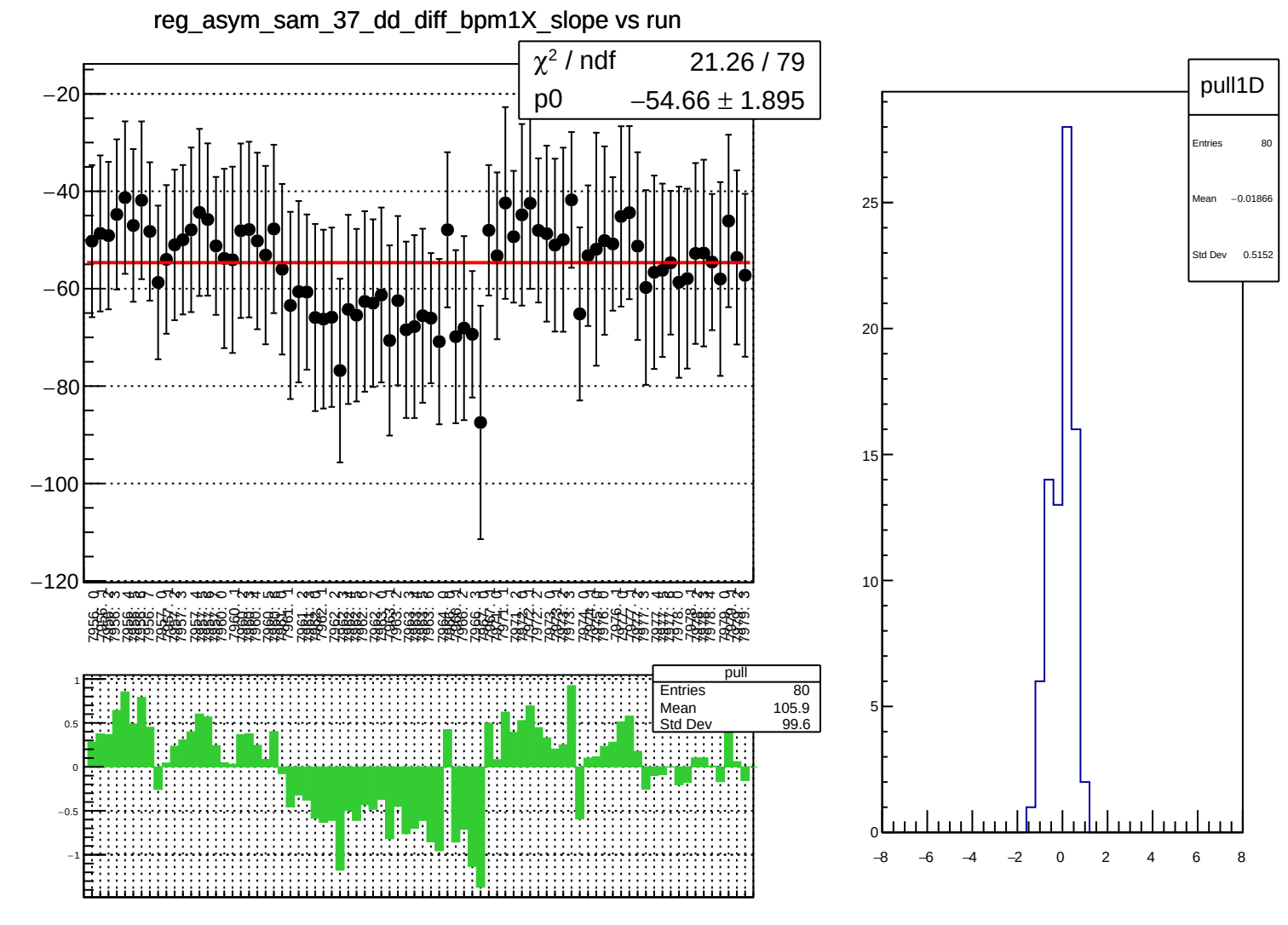

pull1D
Entries 80
Mean −0.006049
Std Dev 0.3168

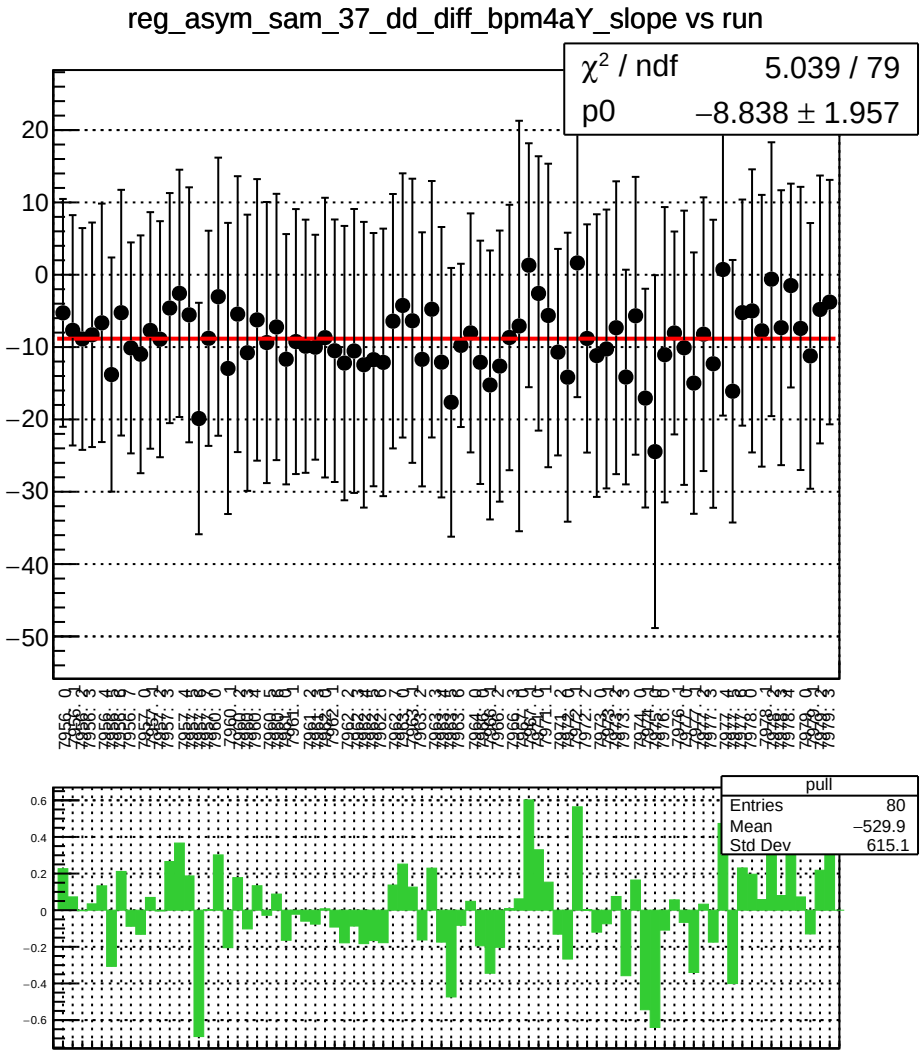

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.863 / 79
p0 −2.891± 4.09
pull
Entries 80
Mean −2741
Std Dev 2784

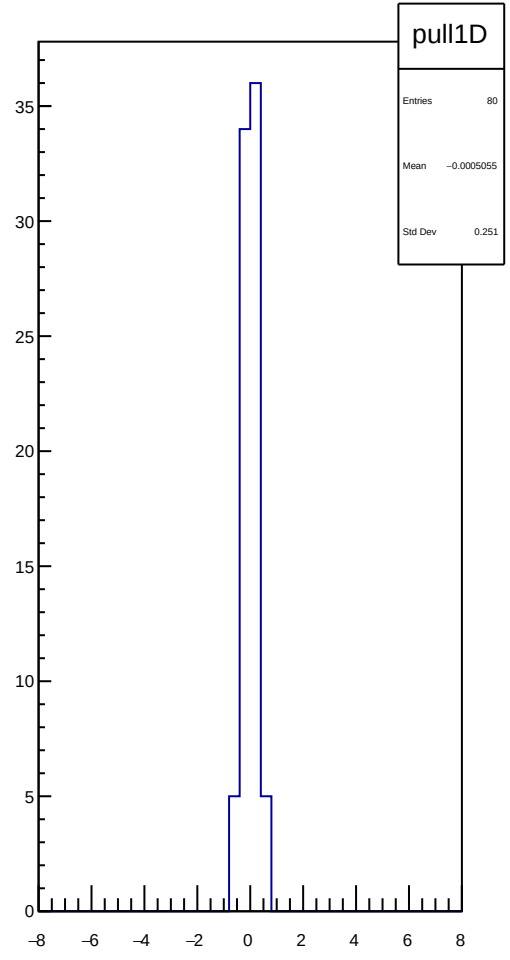

pull1D
Entries 80
Mean 0.0007035
Std Dev 0.2197

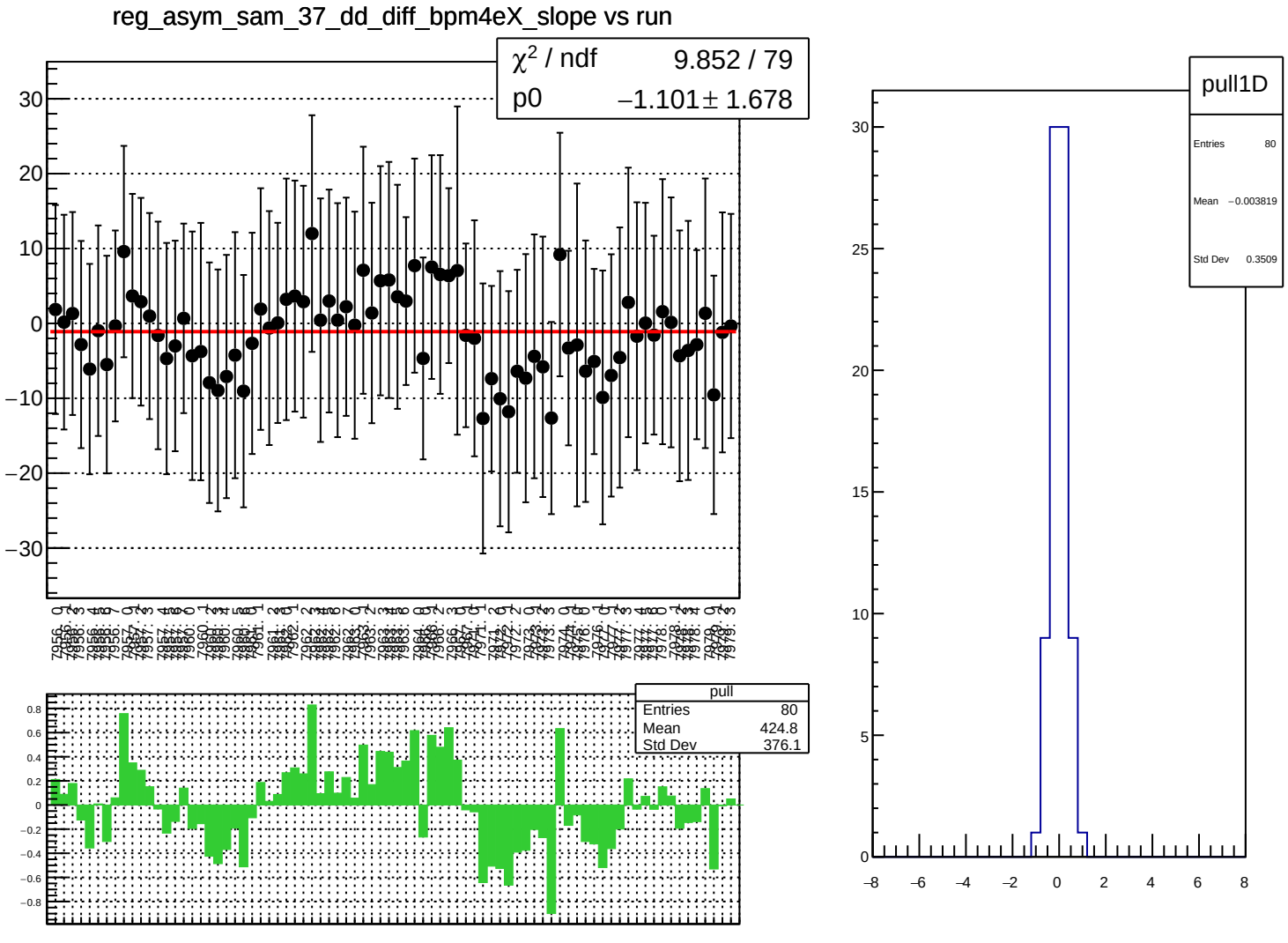

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 19.02 / 79
p0 −1.01 ± 0.118
pull
Entries 80
Mean 220.1
Std Dev 192

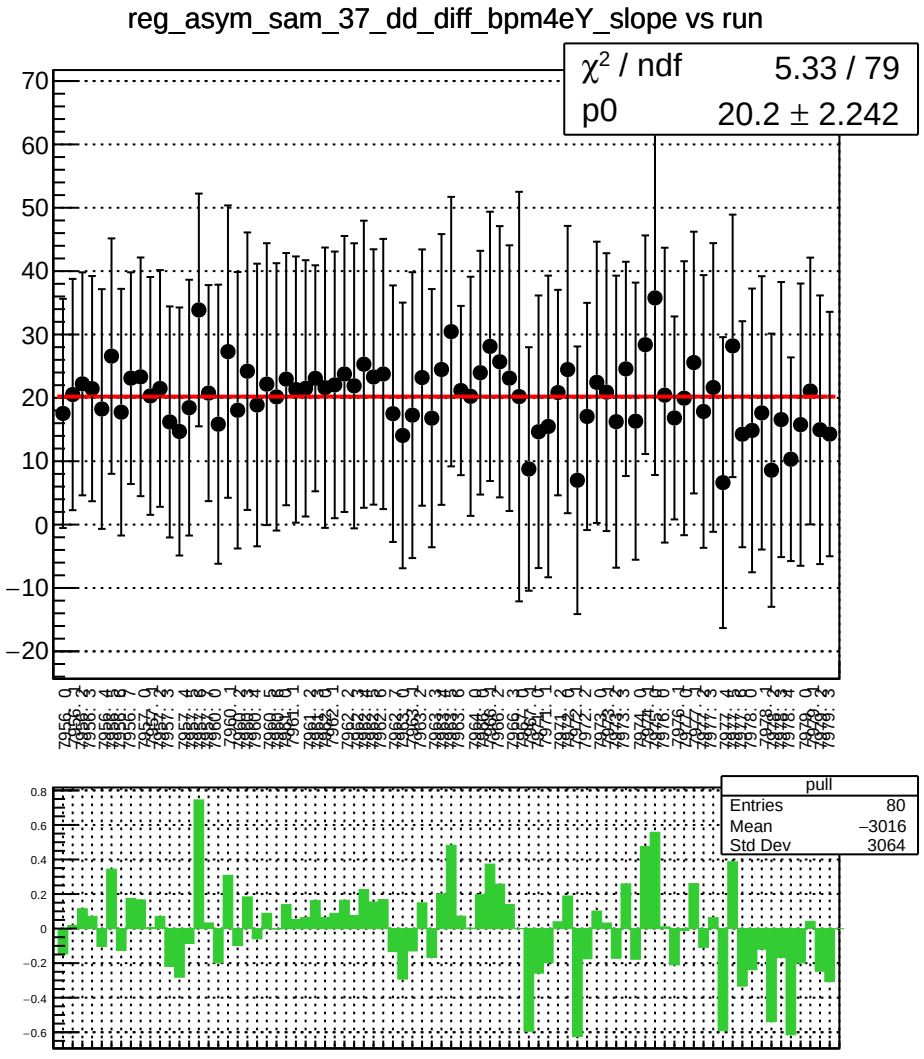

pull1D
Entries 80
Mean −0.02117
Std Dev 0.4871

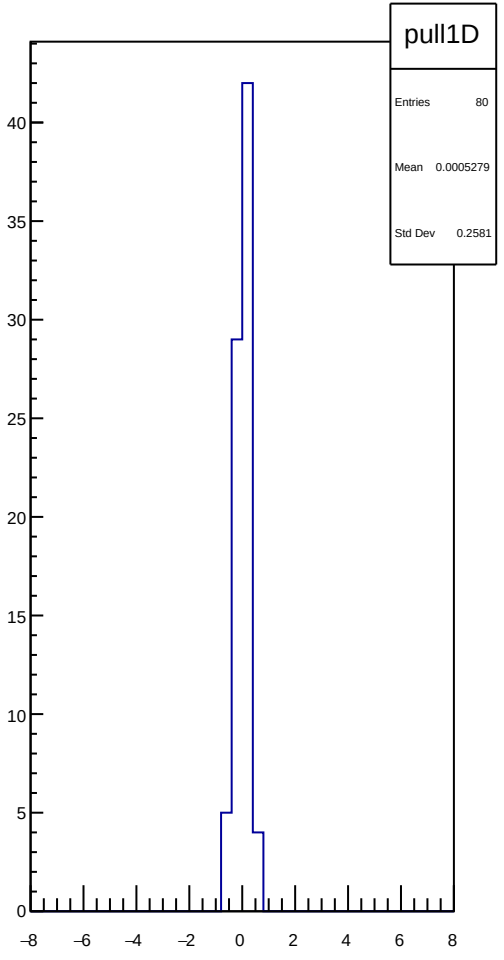

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 21.26 / 79
p0 −54.66 ± 1.895
pull
Entries 80
Mean 105.9
Std Dev 99.6
pull1D
Entries 80
Mean −0.01866
Std Dev 0.5152

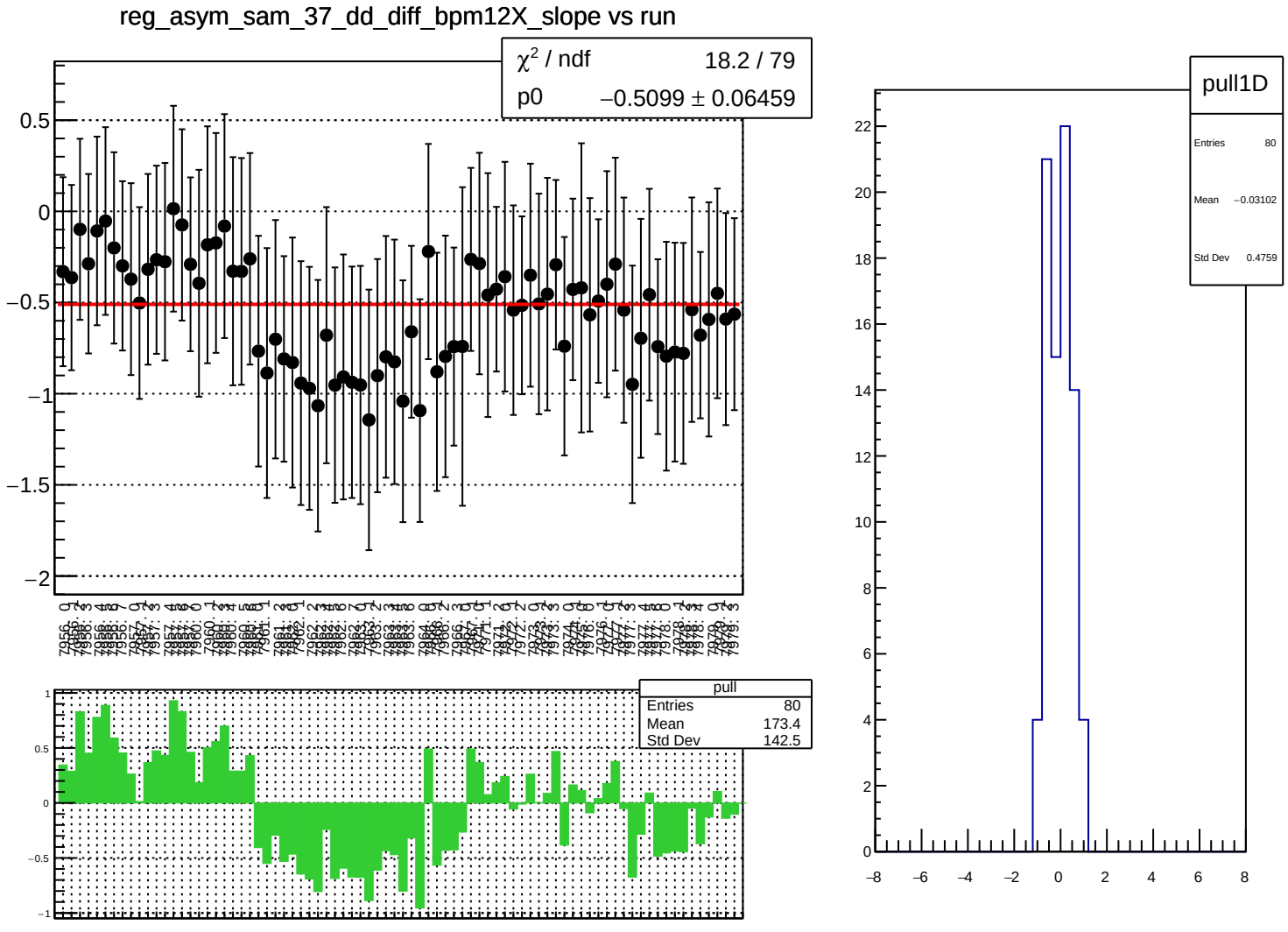

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.039 / 79
p0 −8.838 ± 1.957
pull
Entries 80
Mean −529.9
Std Dev 615.1

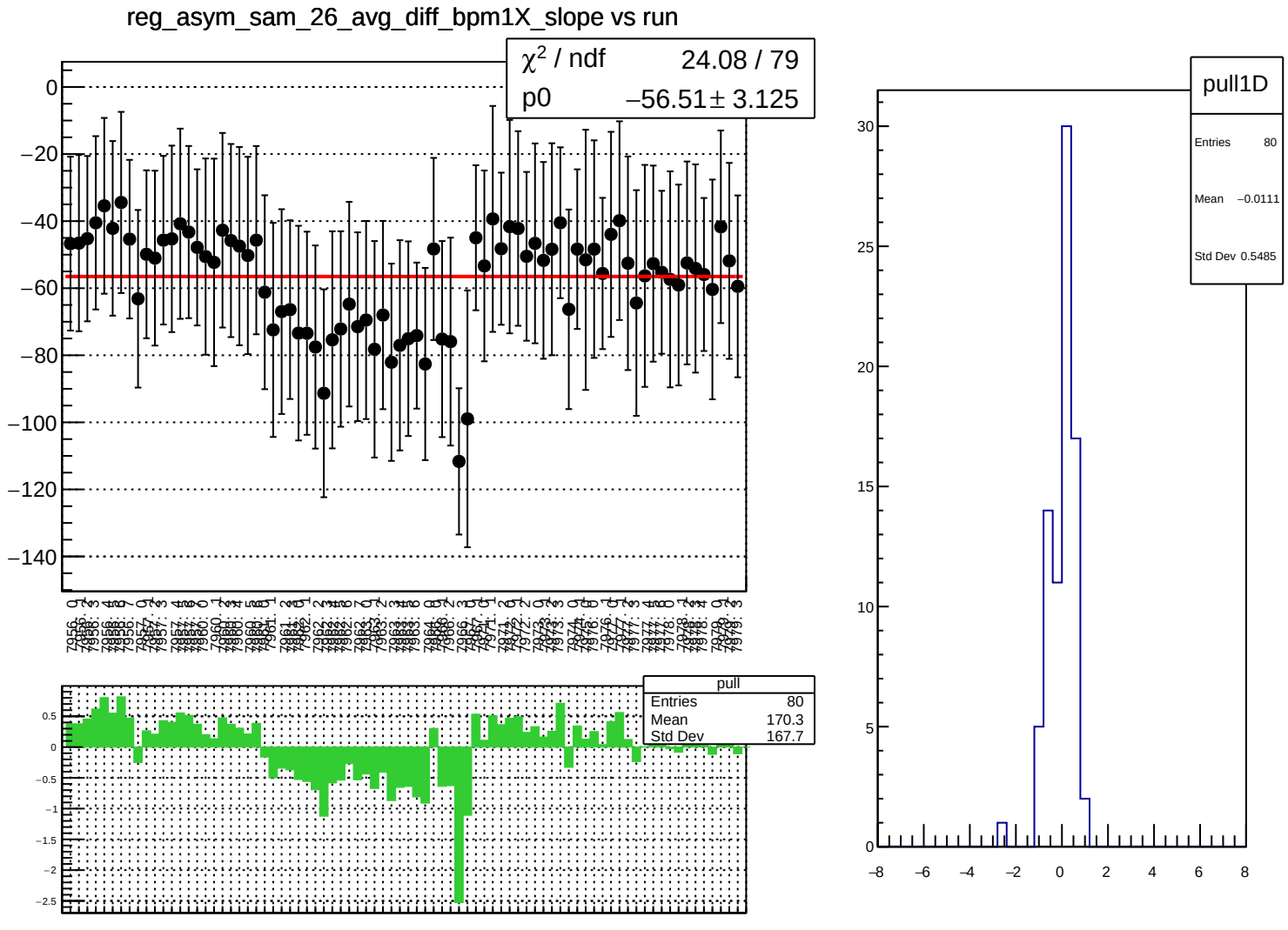

pull1D
Entries 80
Mean −0.0005055
Std Dev 0.251

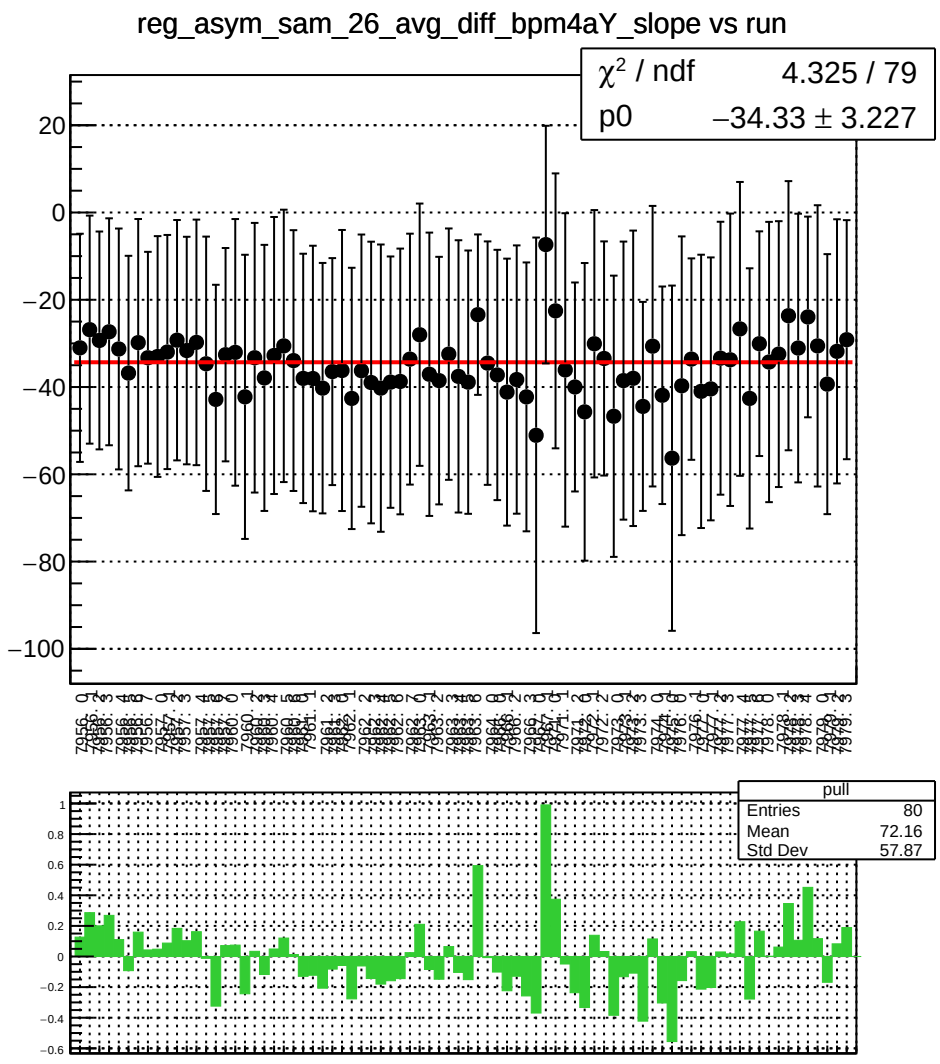

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.852 / 79
p0 −1.101 ± 1.678
pull
Entries 80
Mean 424.8
Std Dev 376.1
pull1D
Entries 80
Mean −0.003819
Std Dev 0.3509

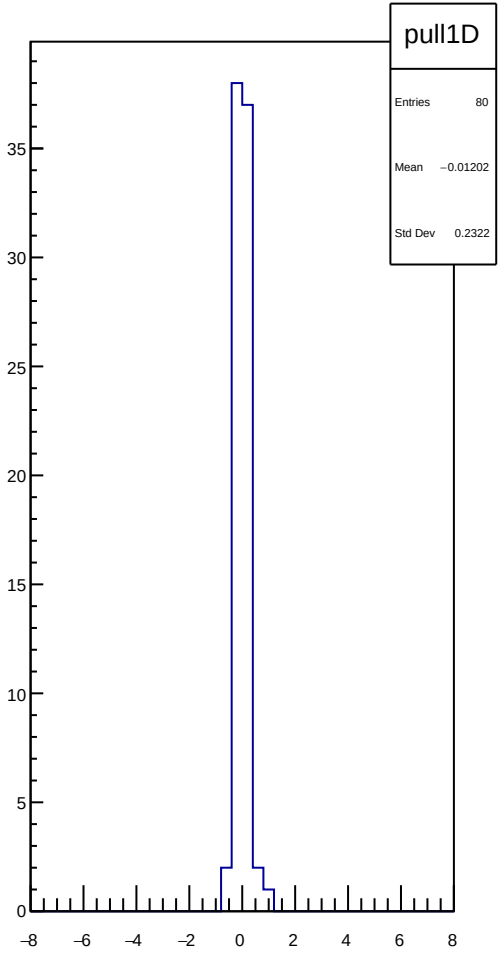

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.33 / 79
p0 20.2 ± 2.242
pull
Entries 80
Mean −3016
Std Dev 3064

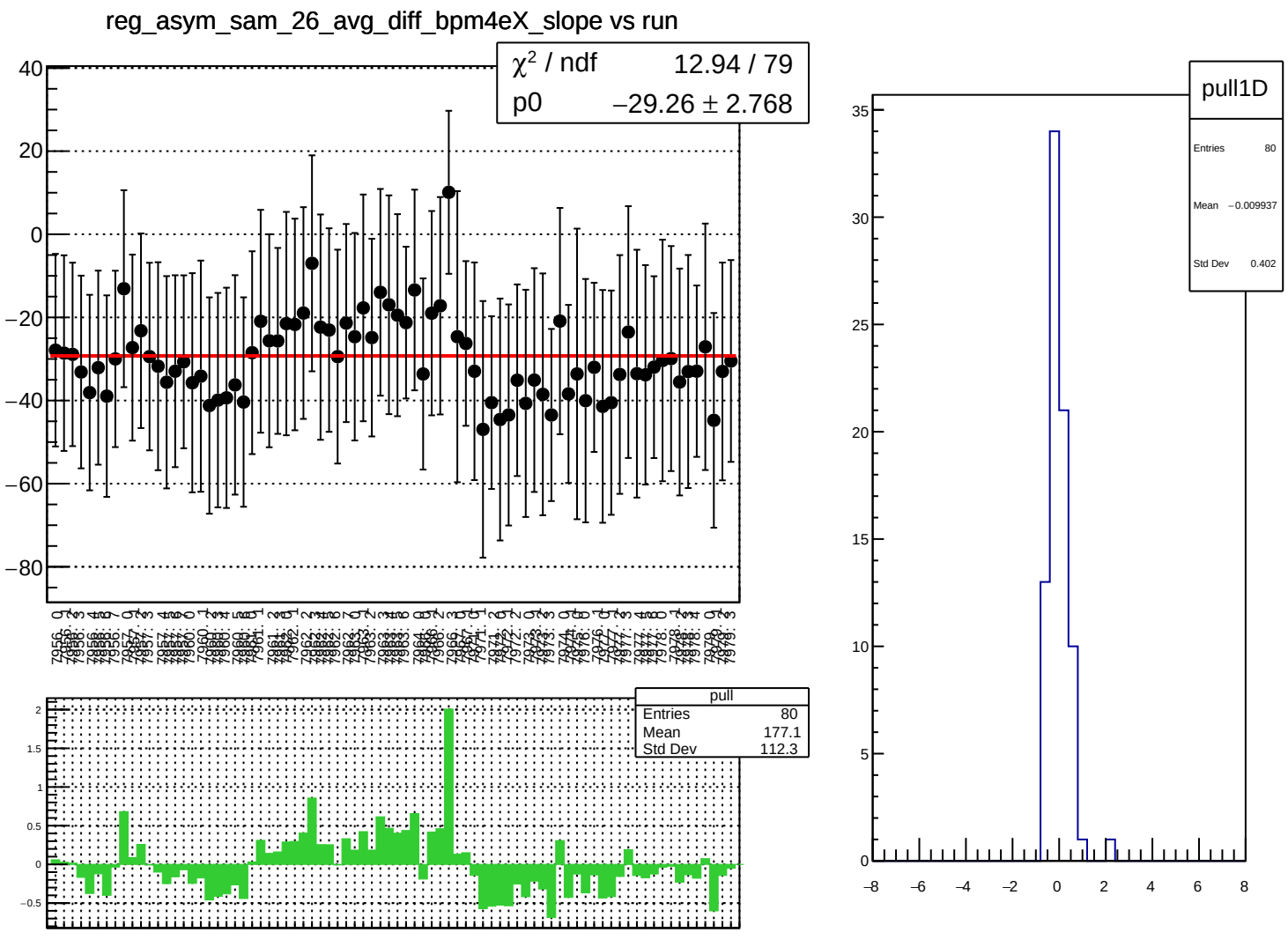

pull1D
Entries 80
Mean 0.0005279
Std Dev 0.2581

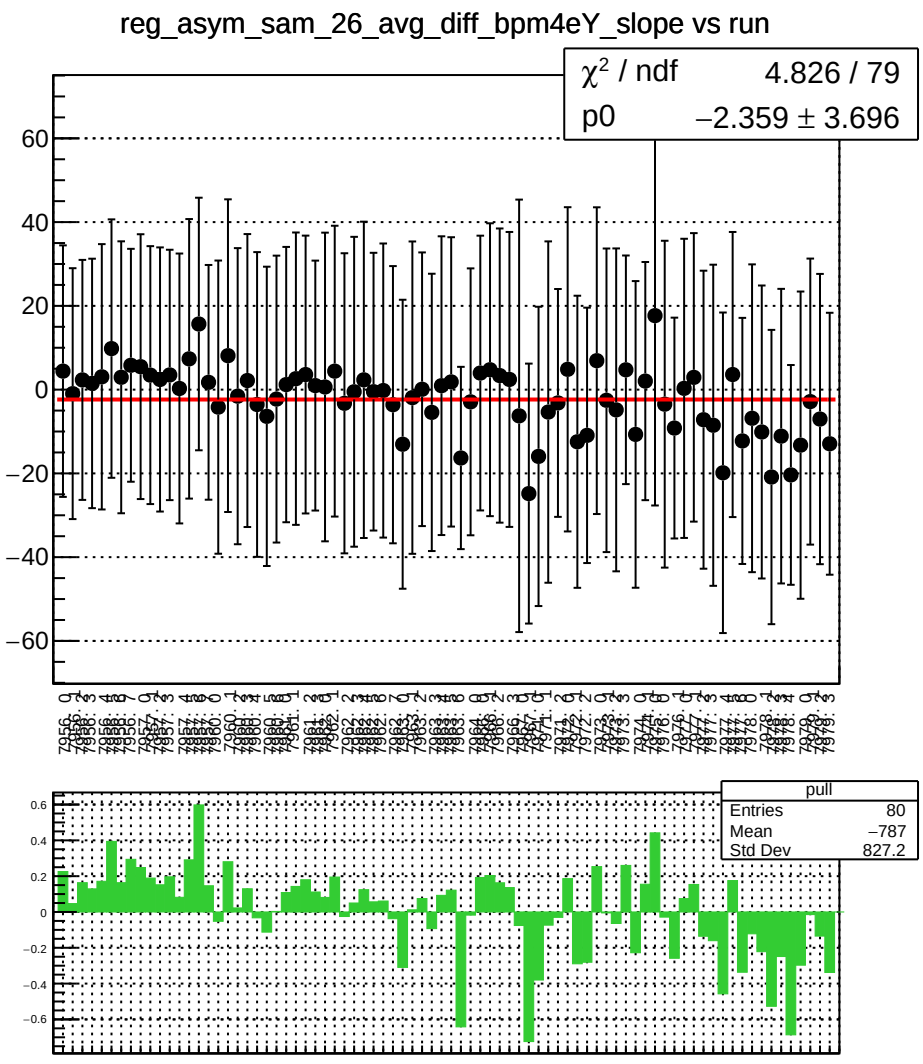

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 18.2 / 79
p0 −0.5099 ± 0.06459
pull
Entries 80
Mean 173.4
Std Dev 142.5
pull1D
Entries 80
Mean −0.03102
Std Dev 0.4759

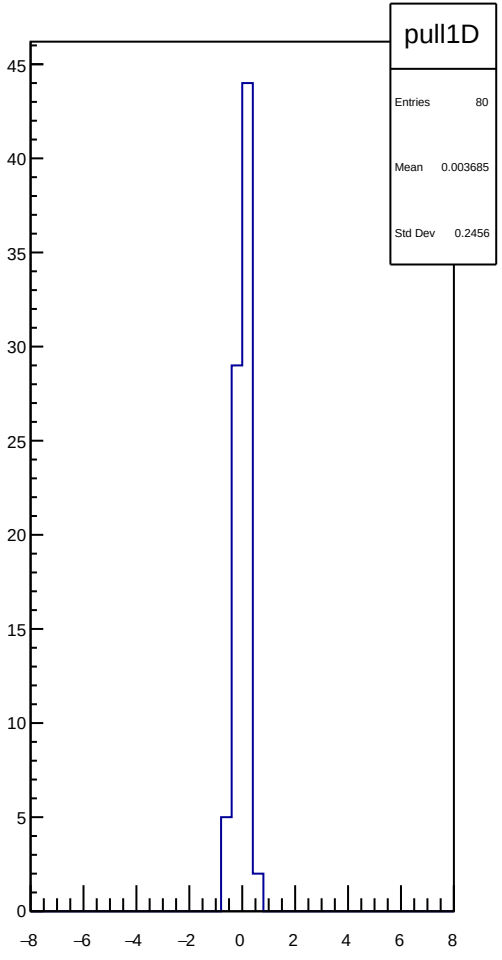

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 24.08 / 79
p0 −56.51 ± 3.125
pull
Entries 80
Mean 170.3
Std Dev 167.7
pull1D
Entries 80
Mean −0.0111
Std Dev 0.5485

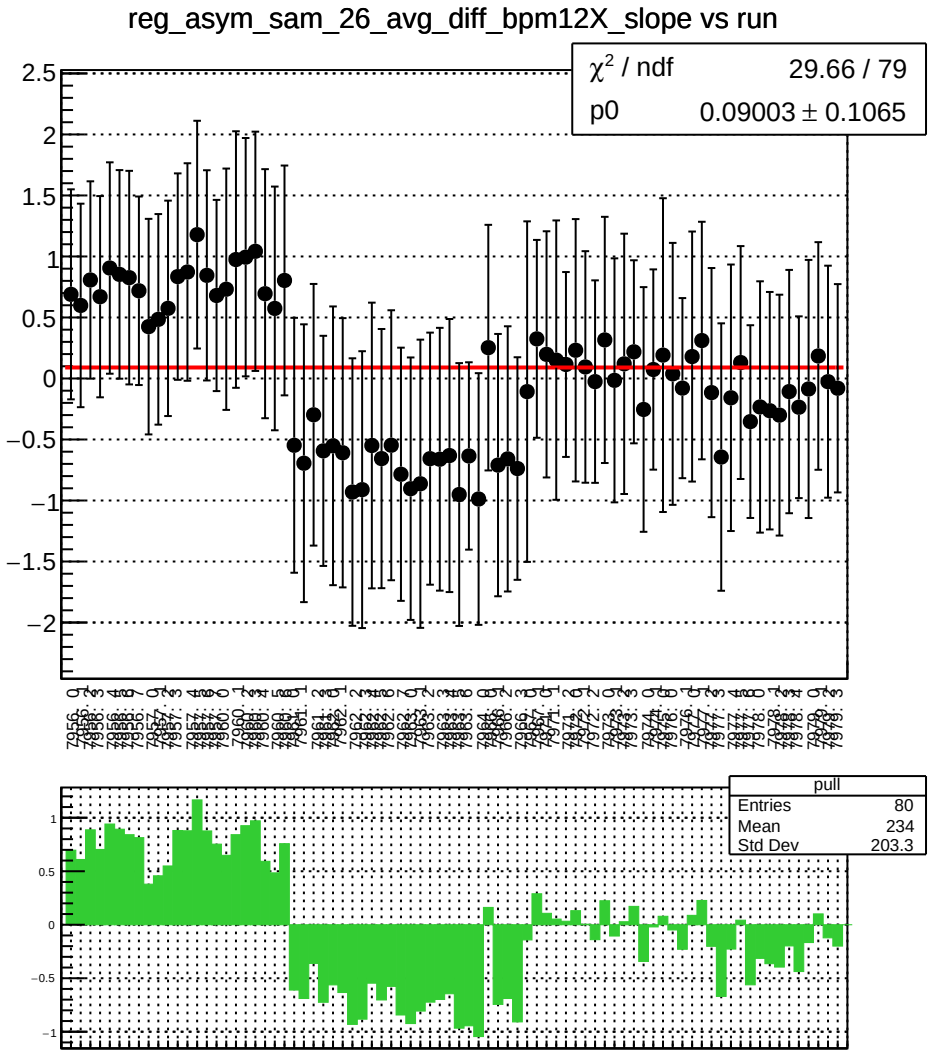

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.325 / 79
p0 −34.33 ± 3.227
pull
Entries 80
Mean 72.16
Std Dev 57.87

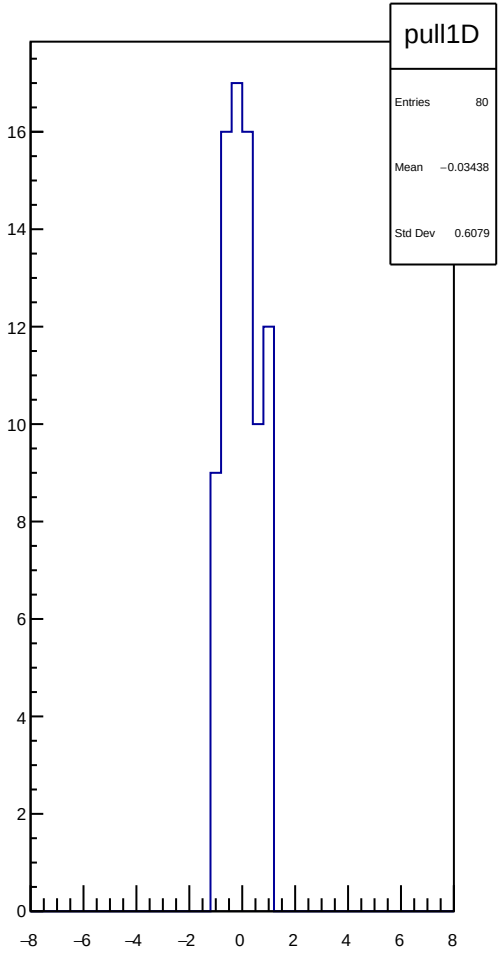

pull1D
Entries 80
Mean −0.01202
Std Dev 0.2322

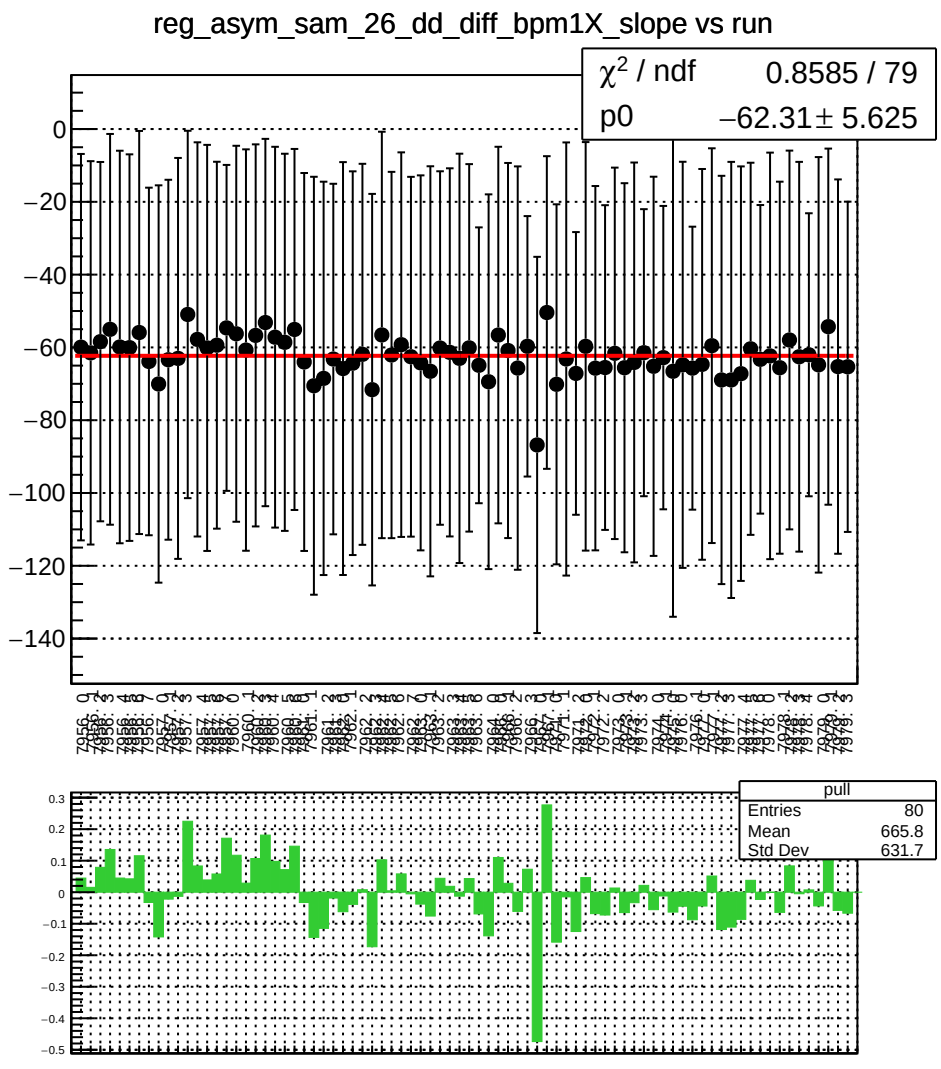

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.94 / 79
p0 −29.26 ± 2.768
pull
Entries 80
Mean 177.1
Std Dev 112.3
pull1D
Entries 80
Mean −0.009937
Std Dev 0.402

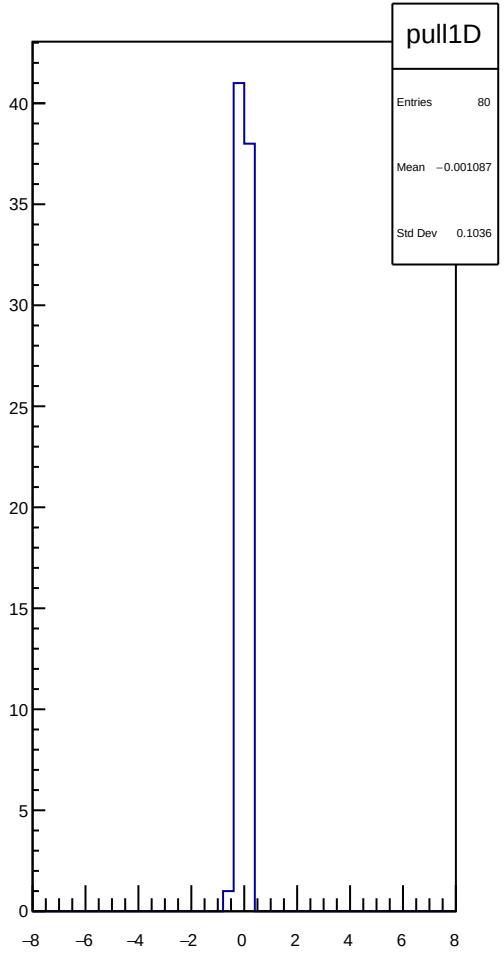

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.826 / 79
p0 −2.359 ± 3.696
pull
Entries 80
Mean −787
Std Dev 827.2

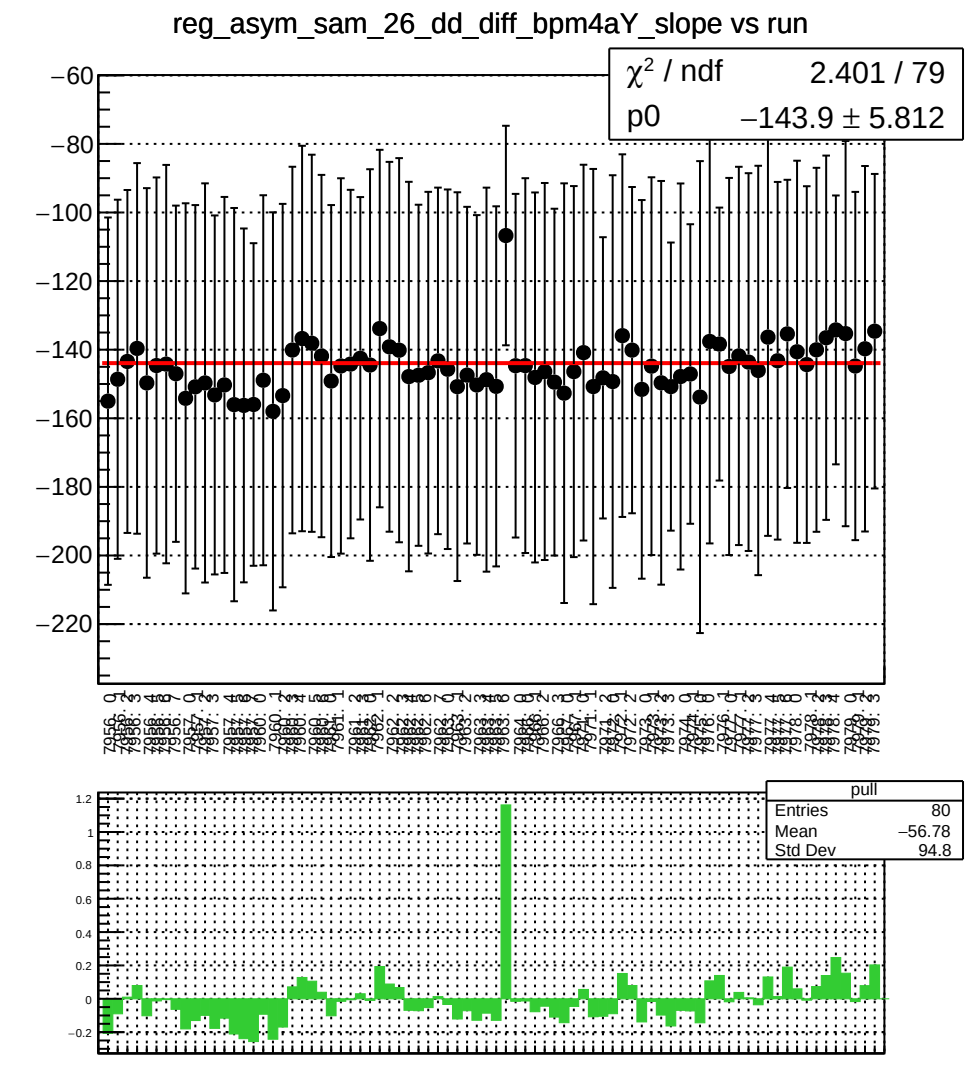

pull1D
Entries 80
Mean 0.003685
Std Dev 0.2456

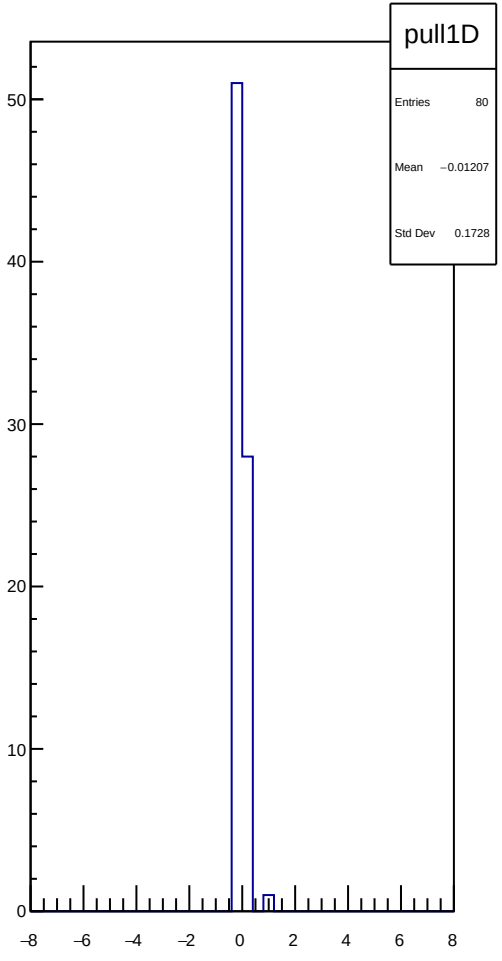

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 29.66 / 79
p0 0.09003 ± 0.1065
pull
Entries 80
Mean 234
Std Dev 203.3

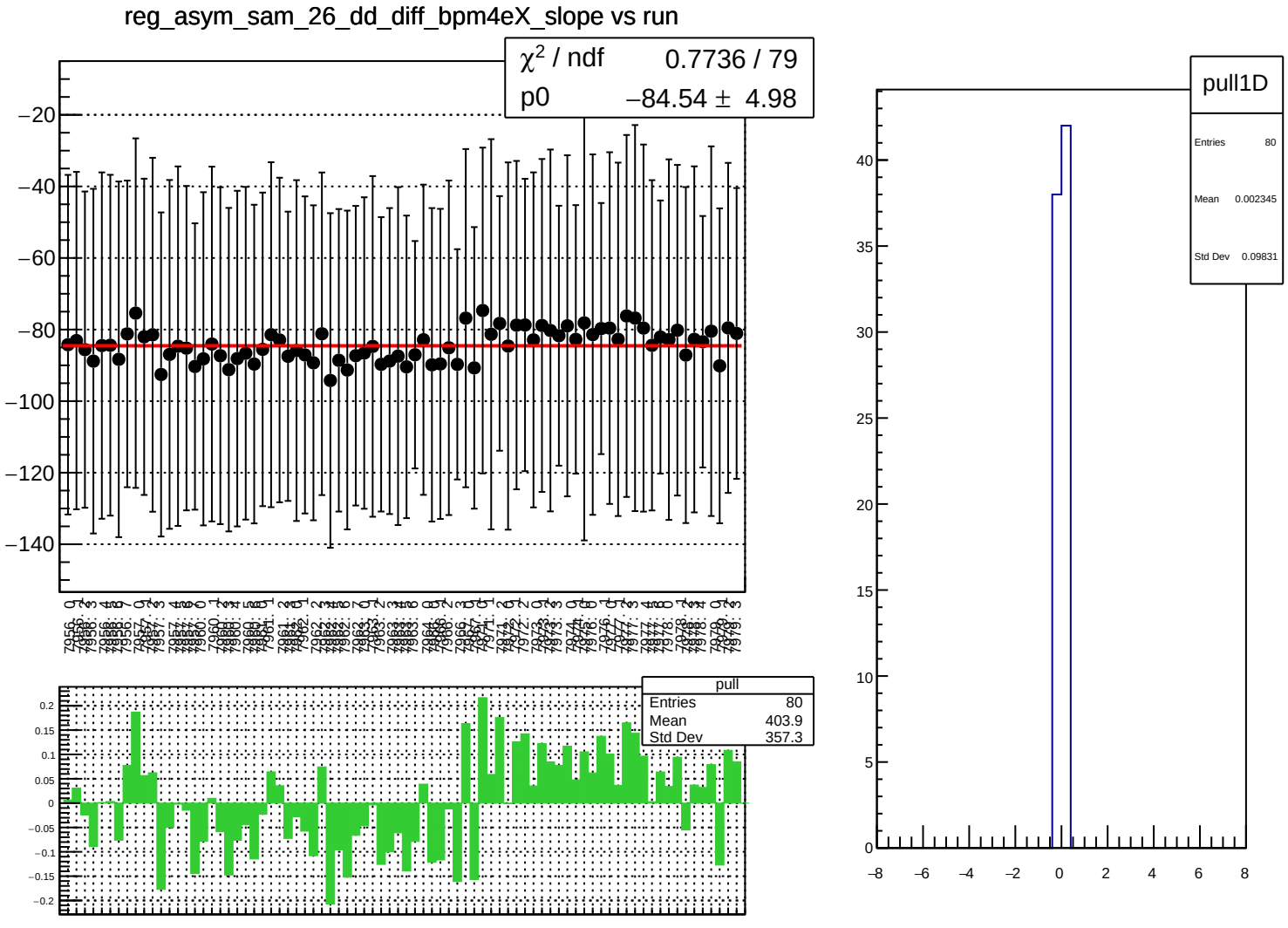

pull1D
Entries 80
Mean −0.03438
Std Dev 0.6079

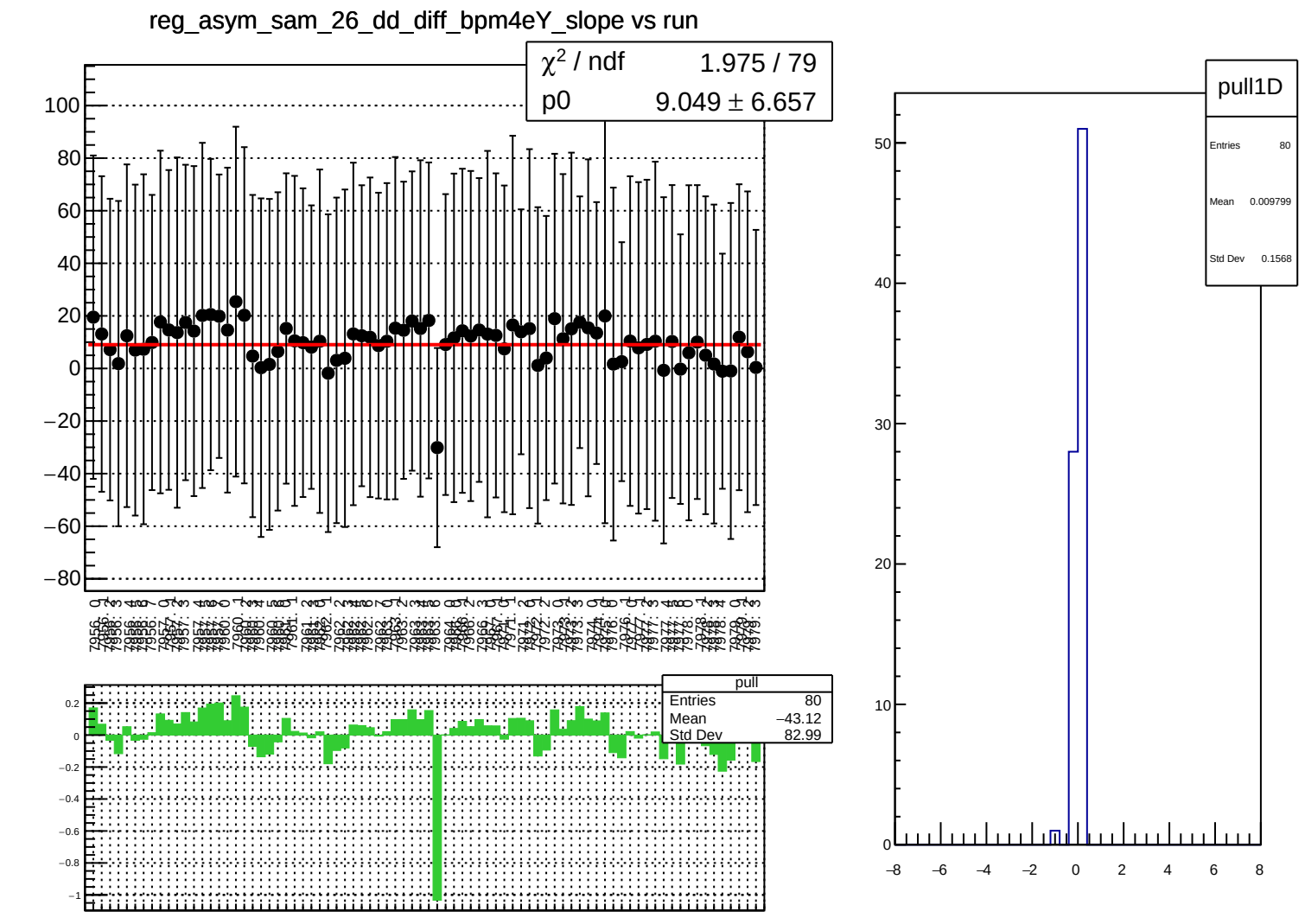

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.8585 / 79
p0 −62.31 ± 5.625
pull
Entries 80
Mean 665.8
Std Dev 631.7

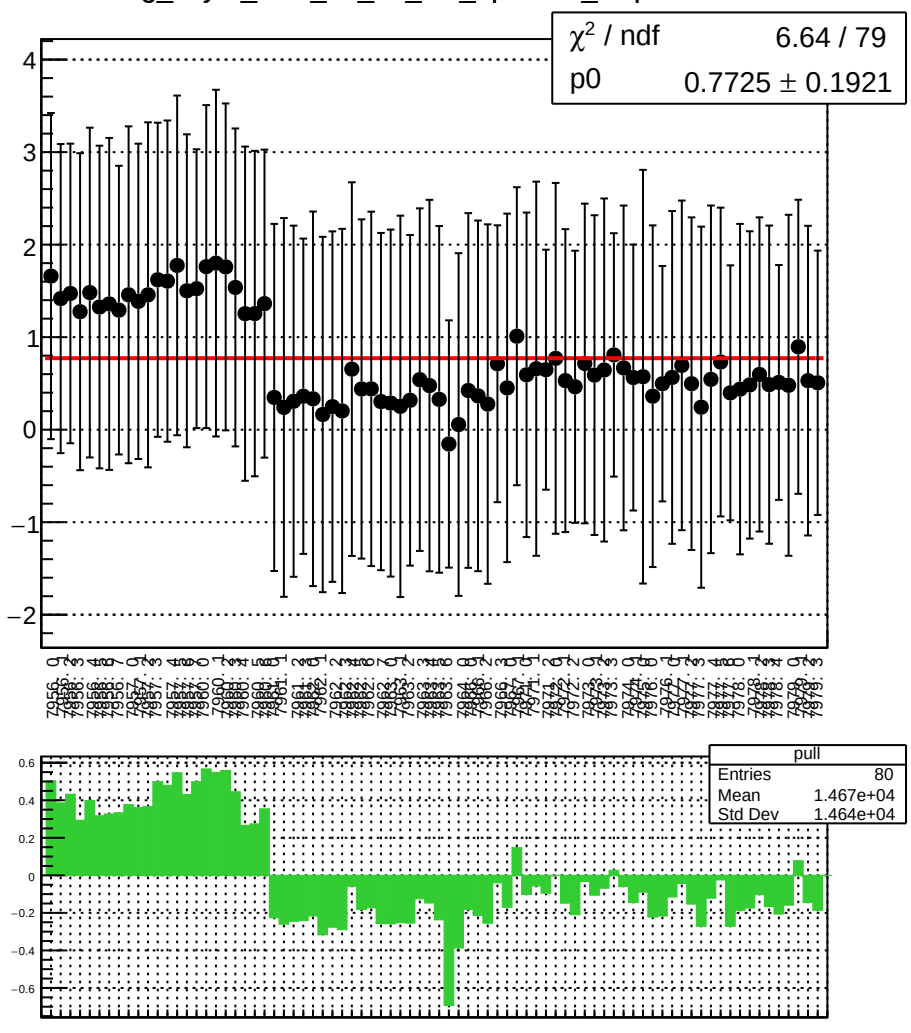

pull1D
Entries 80
Mean −0.001087
Std Dev 0.1036

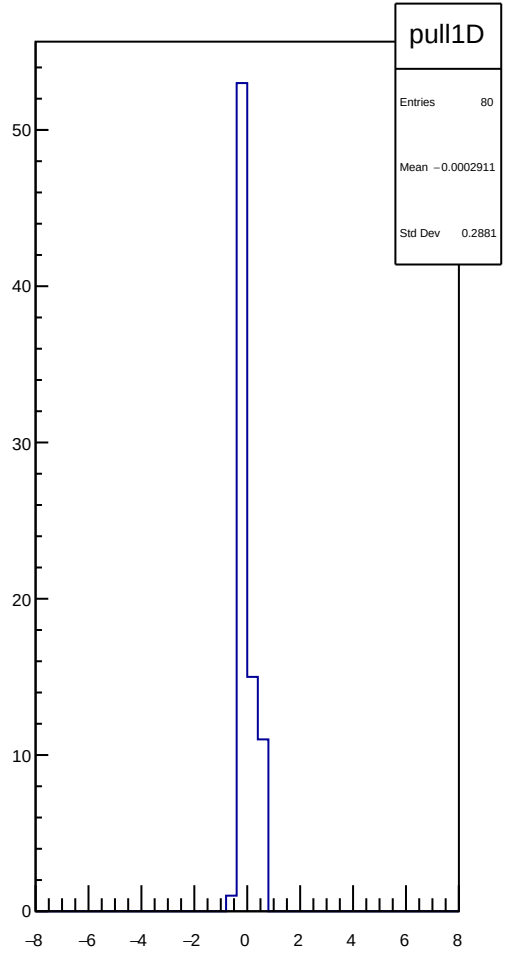

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.401 / 79
p0 −143.9 ± 5.812
pull
Entries 80
Mean −56.78
Std Dev 94.8

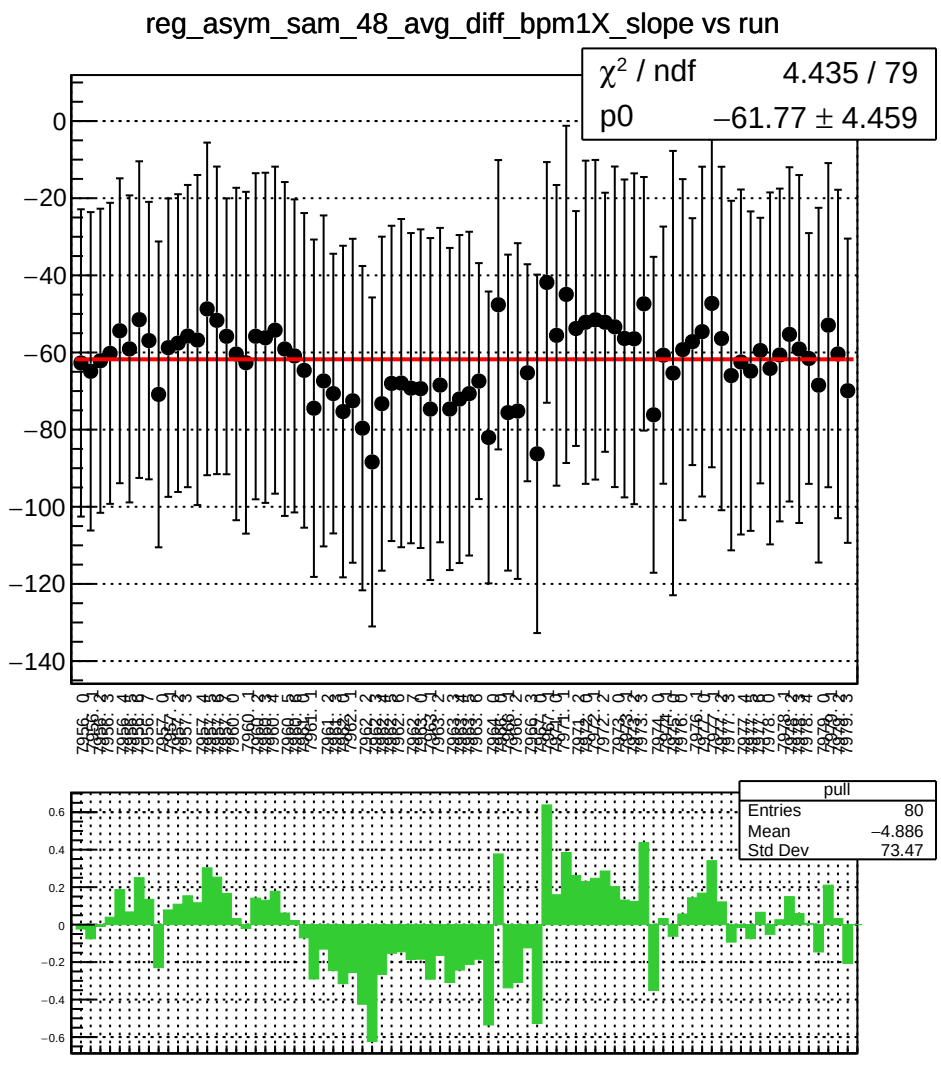

pull1D
Entries 80
Mean −0.01207
Std Dev 0.1728

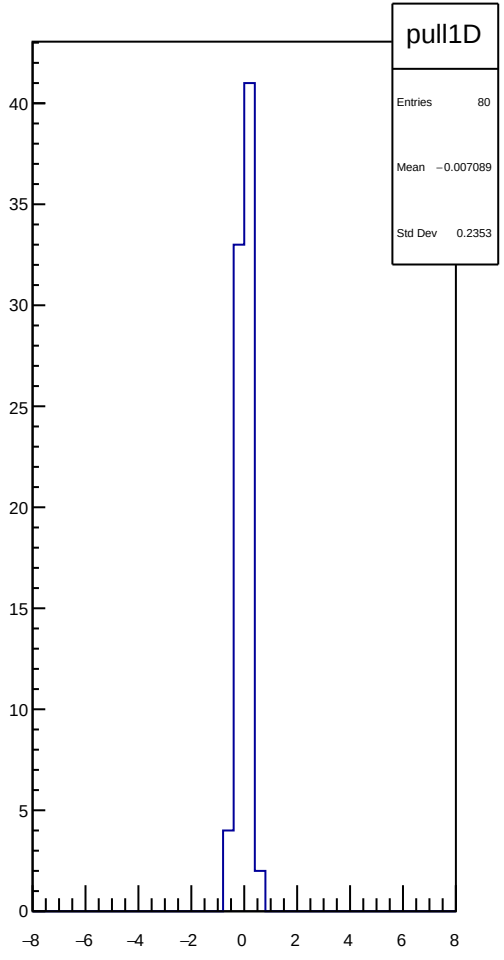

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7736 / 79
p0 −84.54 ± 4.98
pull
Entries 80
Mean 403.9
Std Dev 357.3
pull1D
Entries 80
Mean 0.002345
Std Dev 0.09831

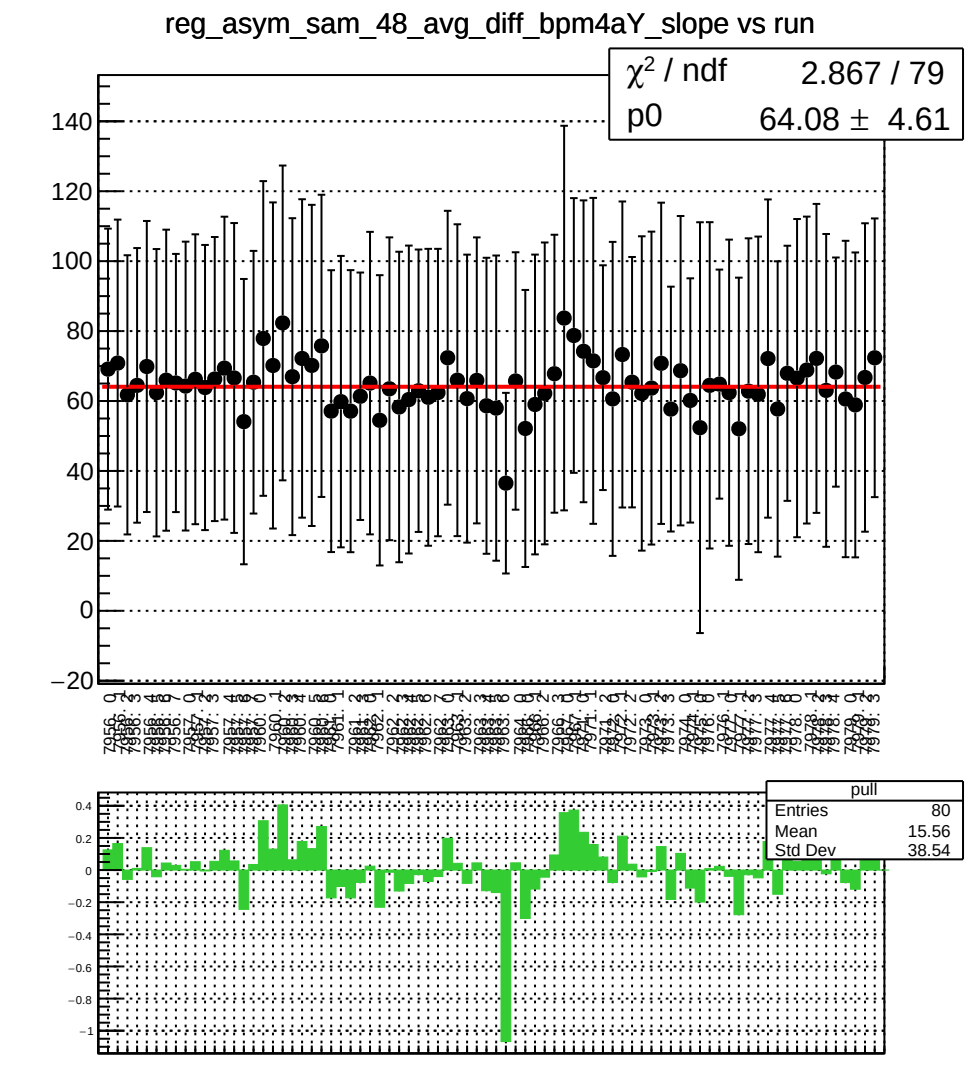

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.975 / 79
p0 9.049 ± 6.657
pull
Entries 80
Mean −43.12
Std Dev 82.99
pull1D
Entries 80
Mean 0.009799
Std Dev 0.1568

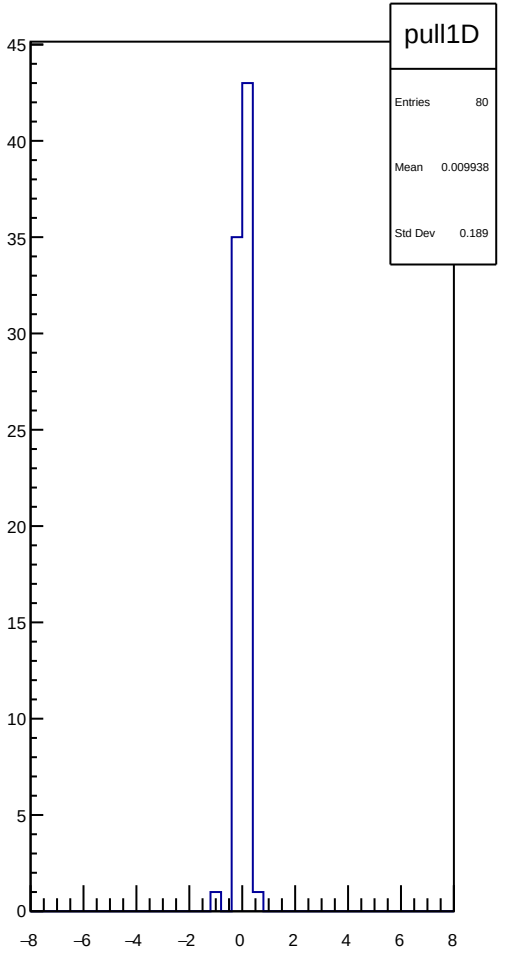

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.64 / 79
p0 0.7725 ± 0.1921
pull
Entries 80
Mean 1.467e+04
Std Dev 1.464e+04

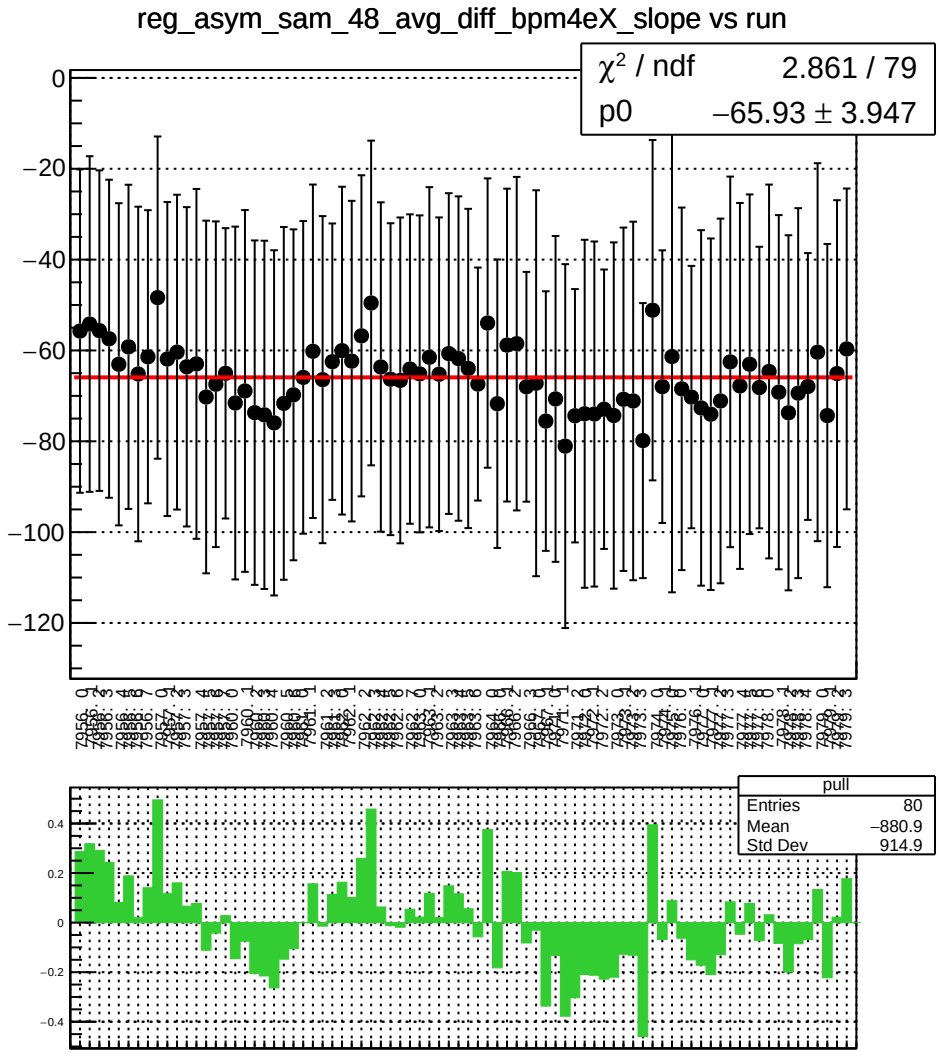

pull1D
Entries 80
Mean −0.0002911
Std Dev 0.2881

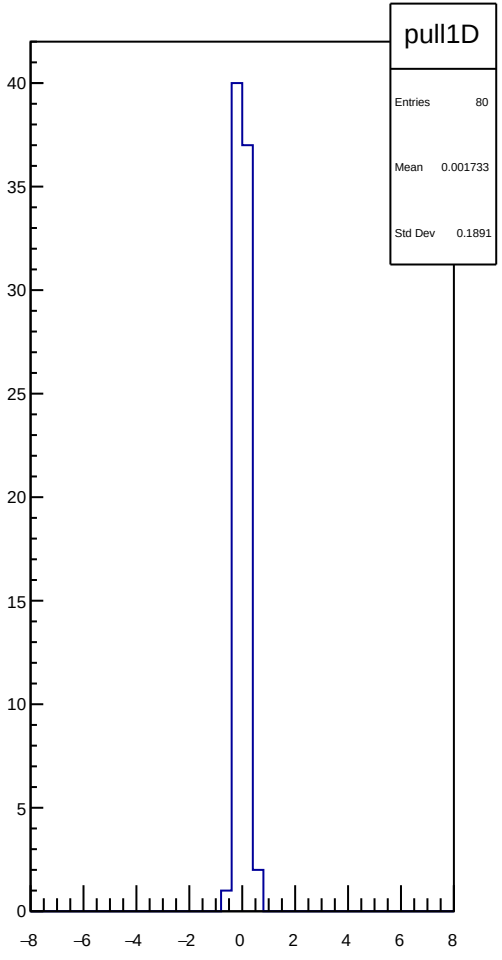

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 4.435 / 79
p0 −61.77 ± 4.459
pull
Entries 80
Mean −4.886
Std Dev 73.47

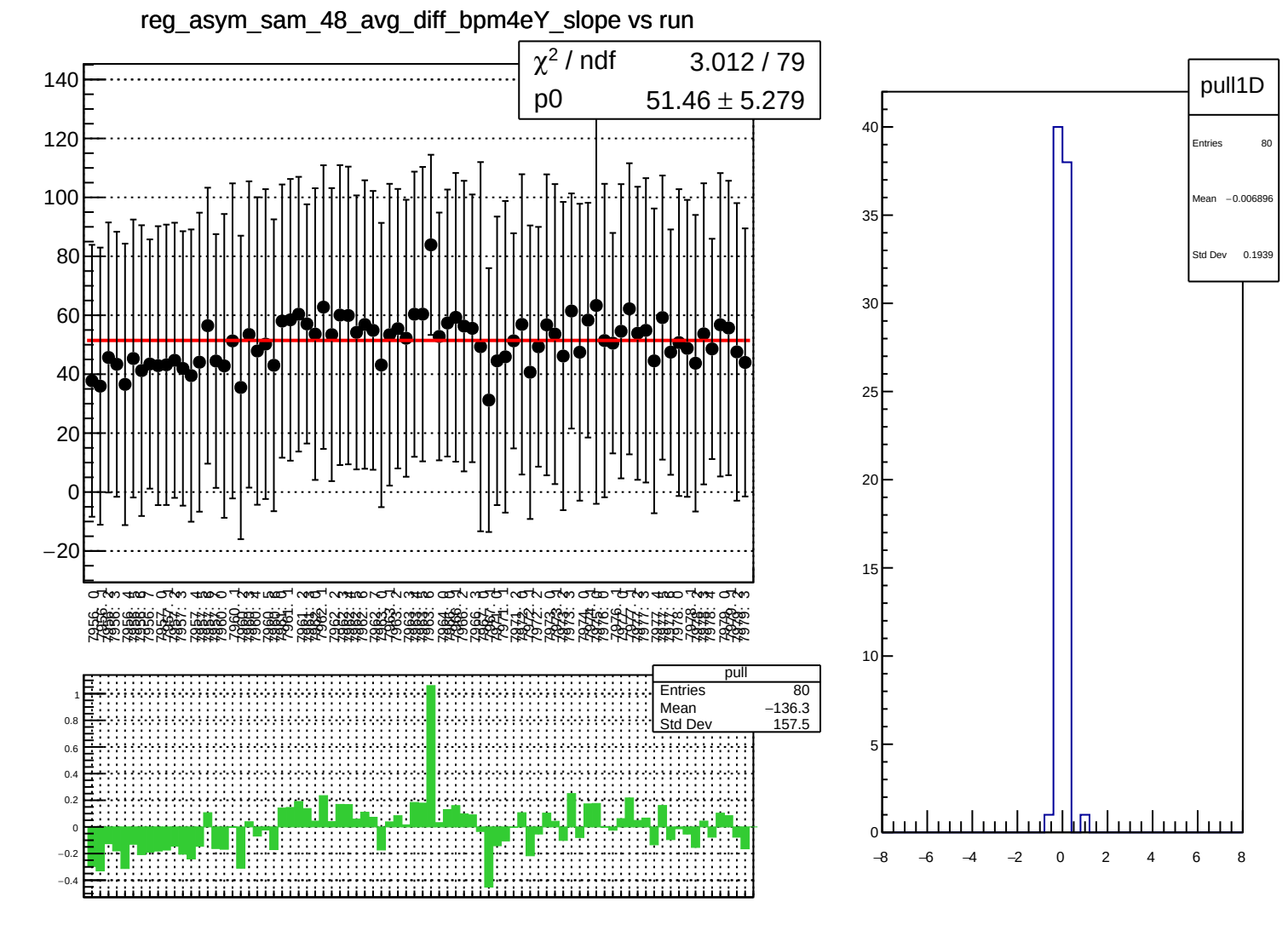

pull1D
Entries 80
Mean −0.007089
Std Dev 0.2353

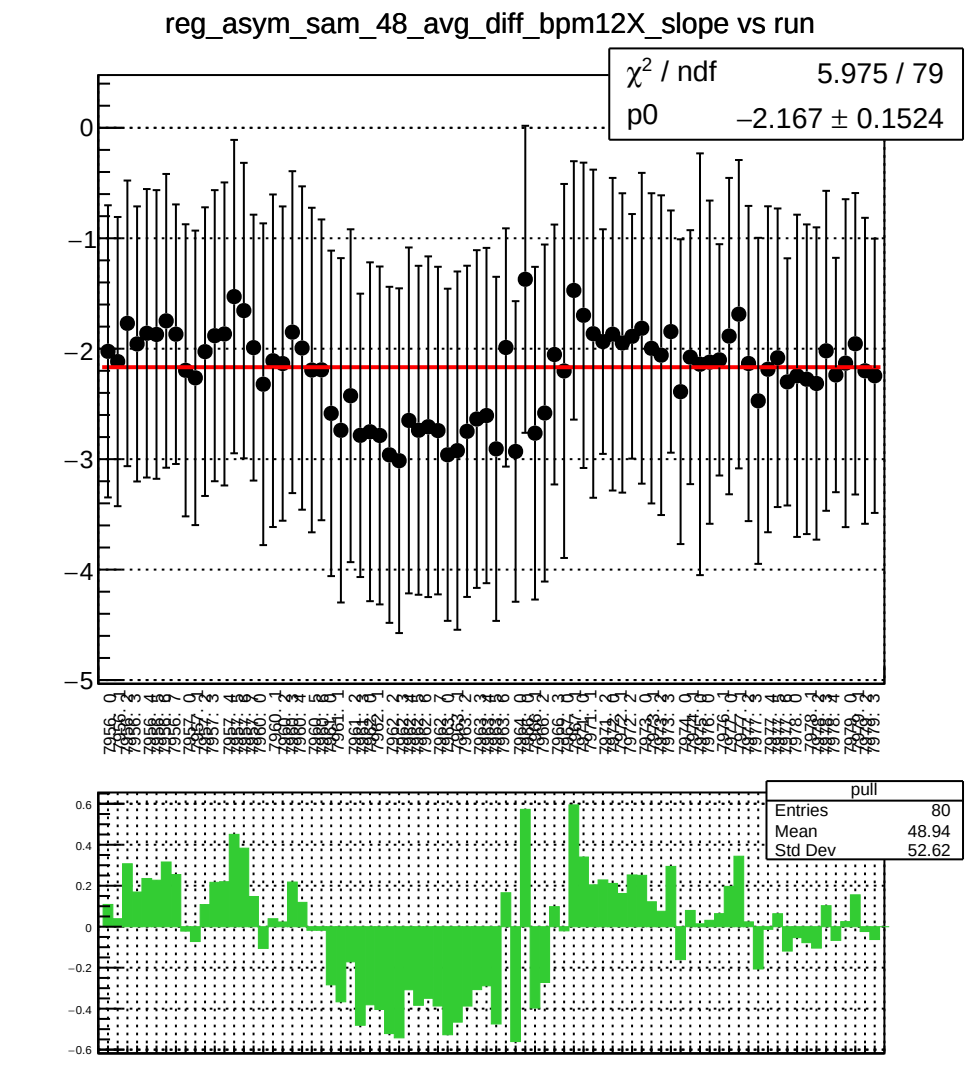

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.867 / 79
p0 64.08 ± 4.61
pull
Entries 80
Mean 15.56
Std Dev 38.54

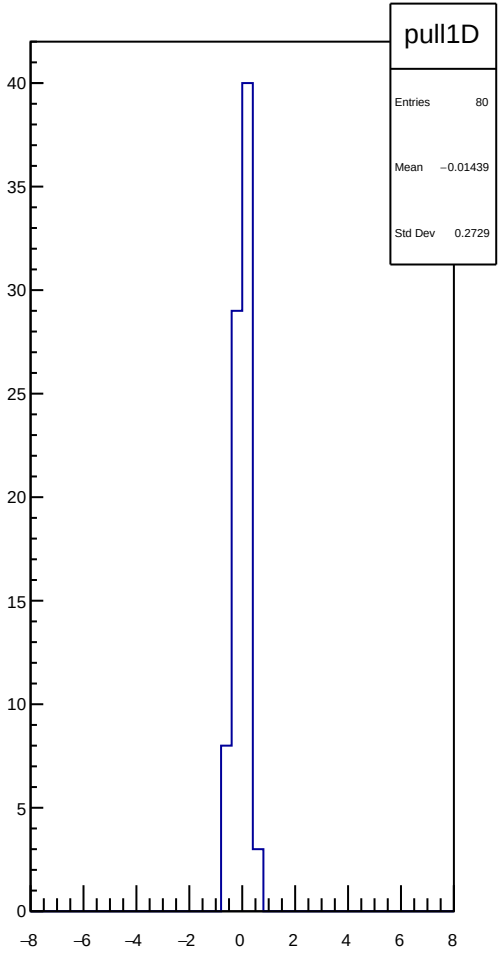

pull1D
Entries 80
Mean 0.009938
Std Dev 0.189

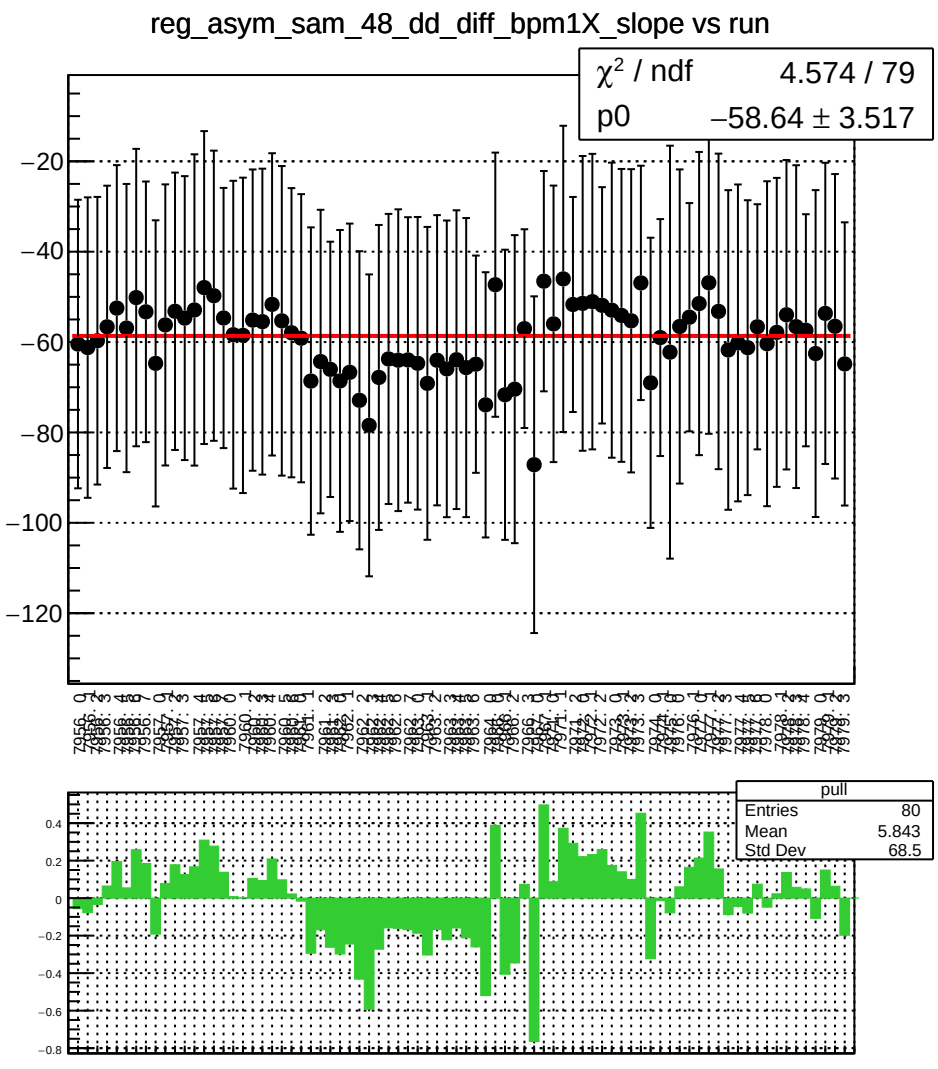

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.861 / 79
p0 −65.93 ± 3.947
pull
Entries 80
Mean −880.9
Std Dev 914.9

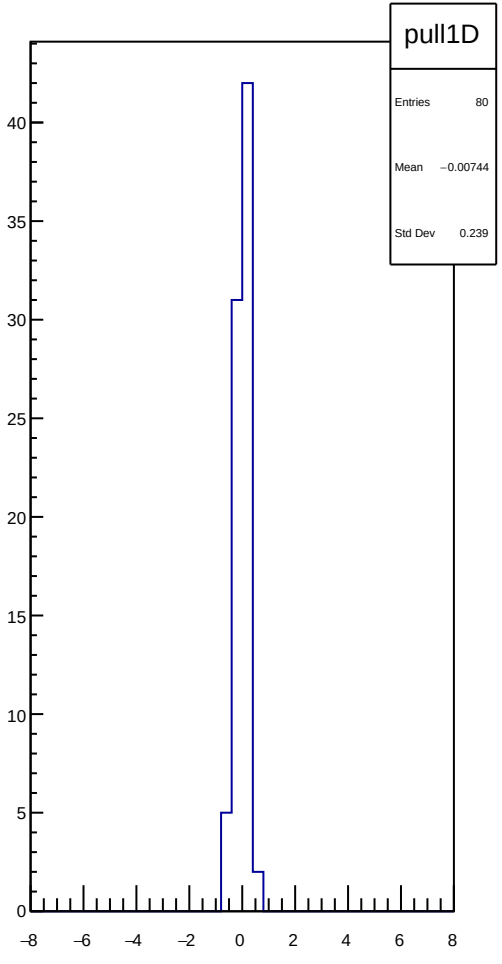

pull1D
Entries 80
Mean 0.001733
Std Dev 0.1891

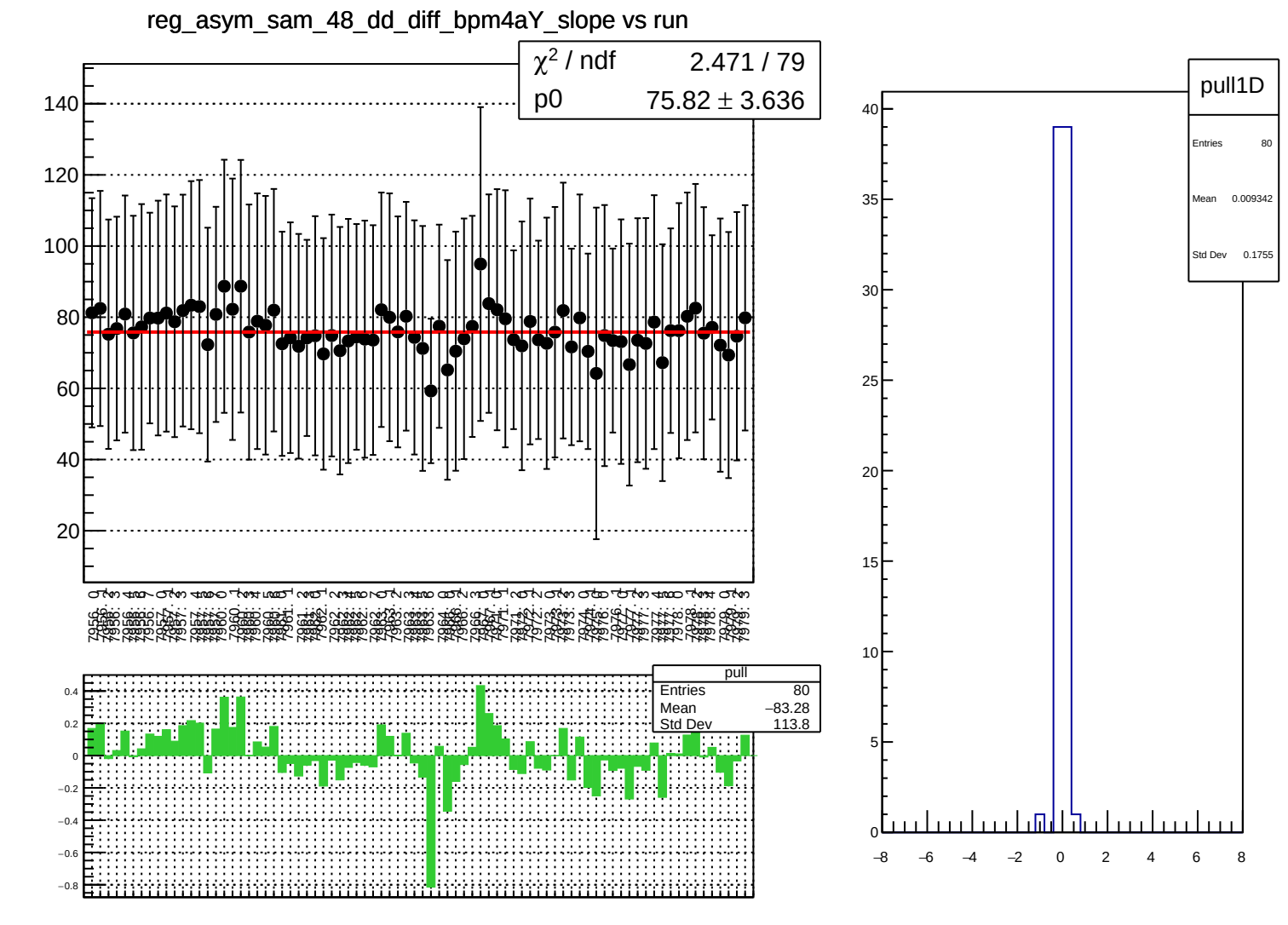

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.012 / 79
p0 51.46 ± 5.279
pull
Entries 80
Mean −136.3
Std Dev 157.5
pull1D
Entries 80
Mean −0.006896
Std Dev 0.1939

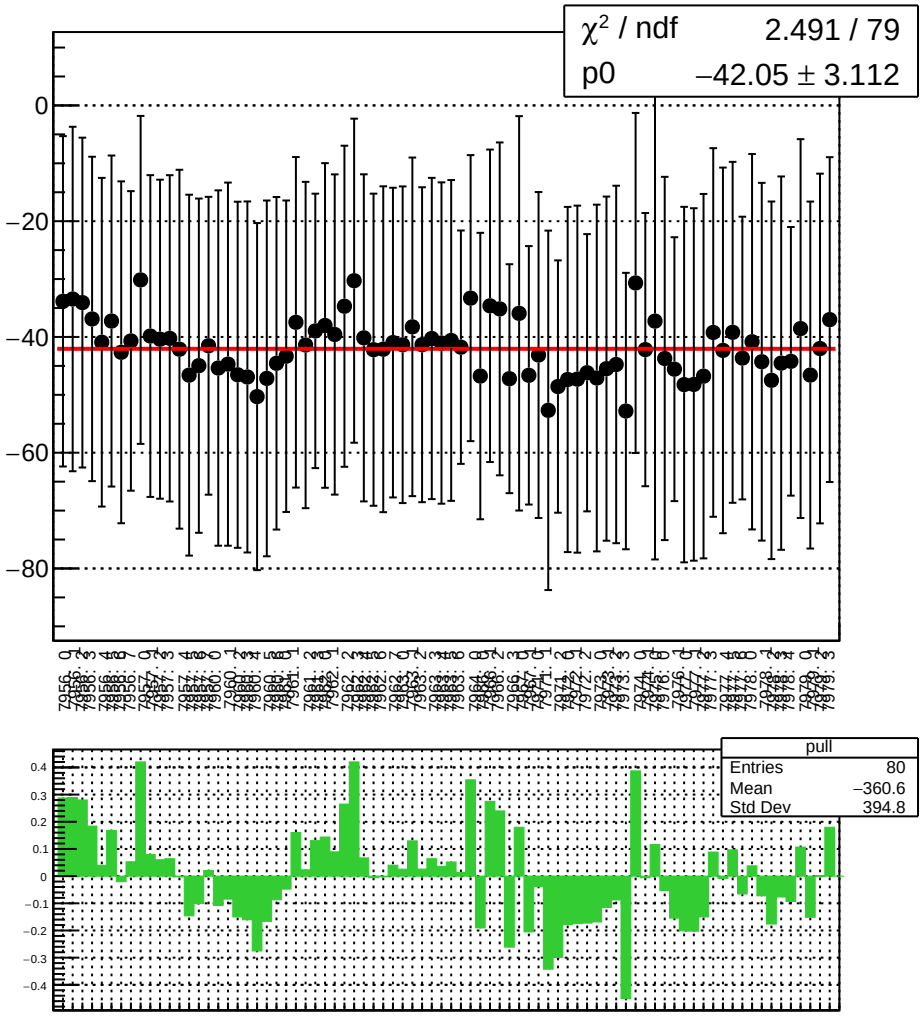

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.975 / 79
p0 −2.167 ± 0.1524
pull
Entries 80
Mean 48.94
Std Dev 52.62

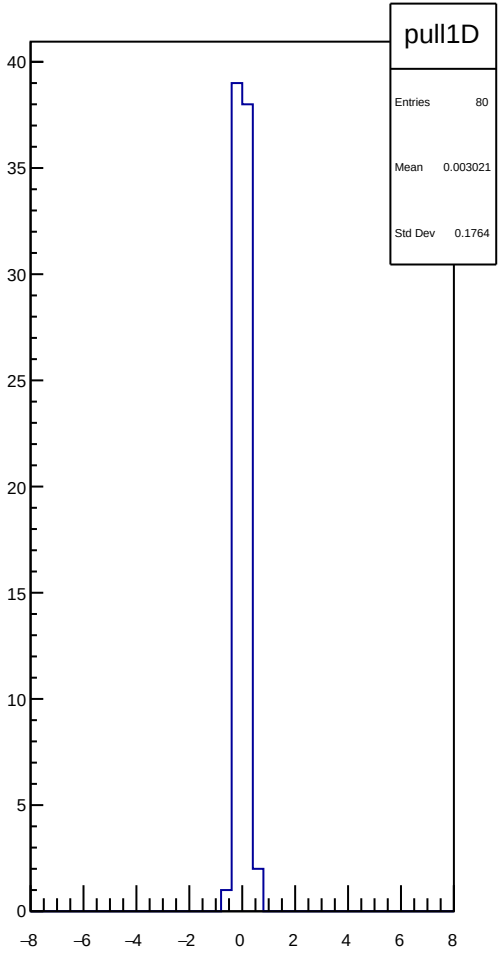

pull1D
Entries 80
Mean −0.01439
Std Dev 0.2729

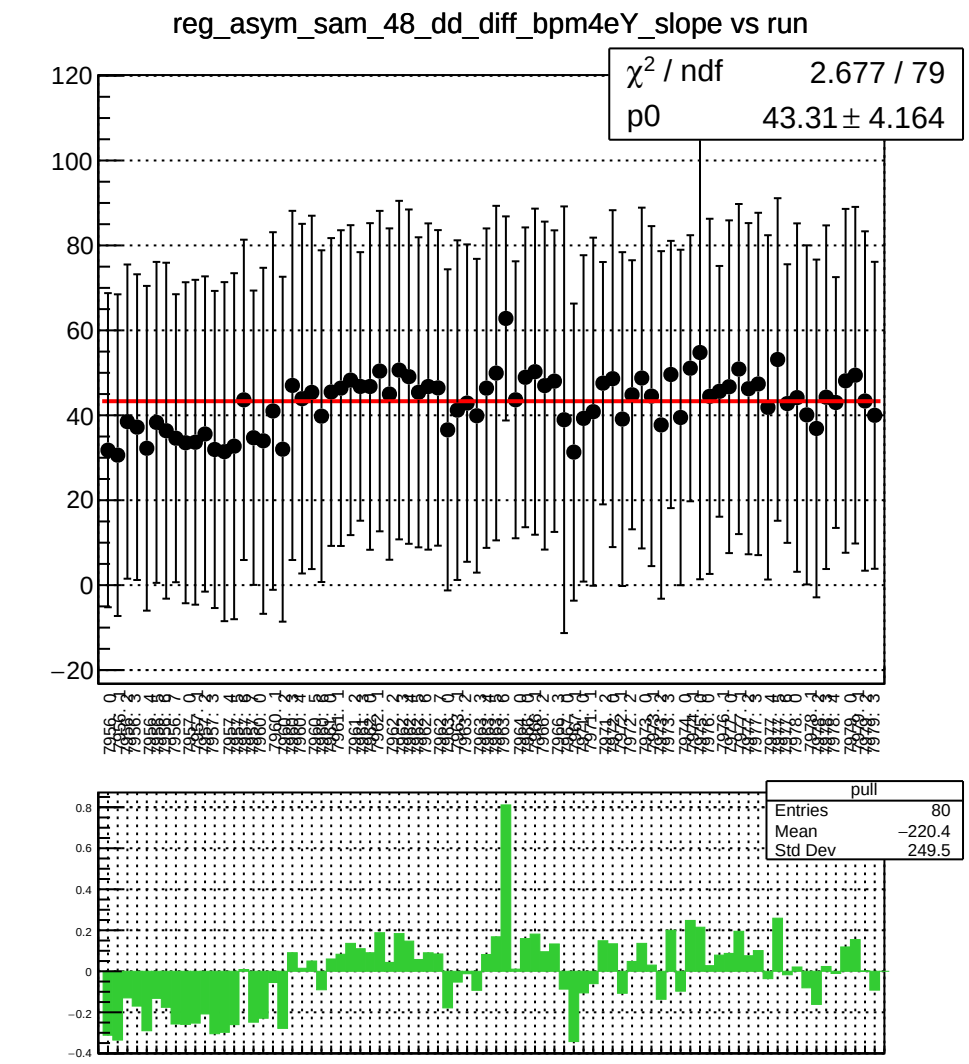

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.574 / 79
p0 −58.64 ± 3.517
pull
Entries 80
Mean 5.843
Std Dev 68.5

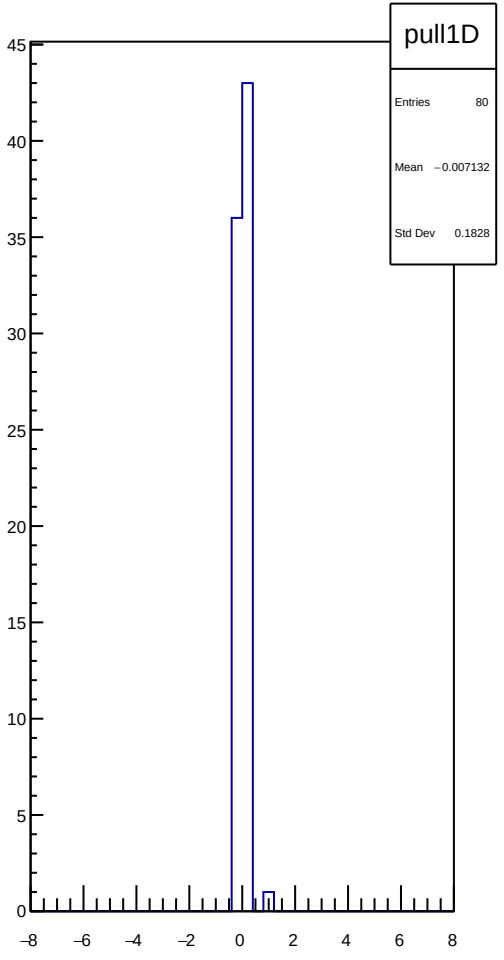

pull1D
Entries 80
Mean −0.00744
Std Dev 0.239

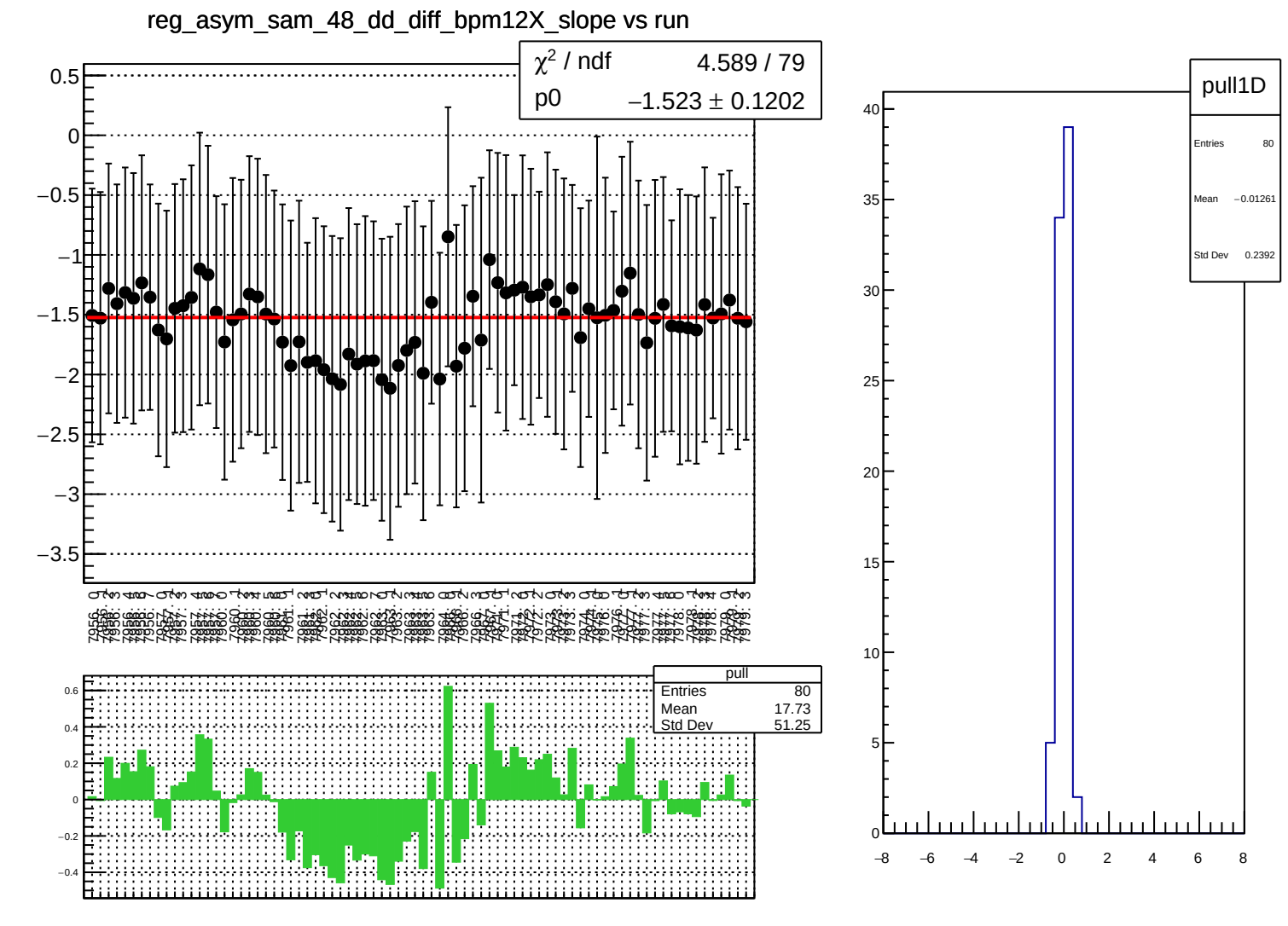

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.471 / 79
p0 75.82 ± 3.636
pull
Entries 80
Mean −83.28
Std Dev 113.8
pull1D
Entries 80
Mean 0.009342
Std Dev 0.1755

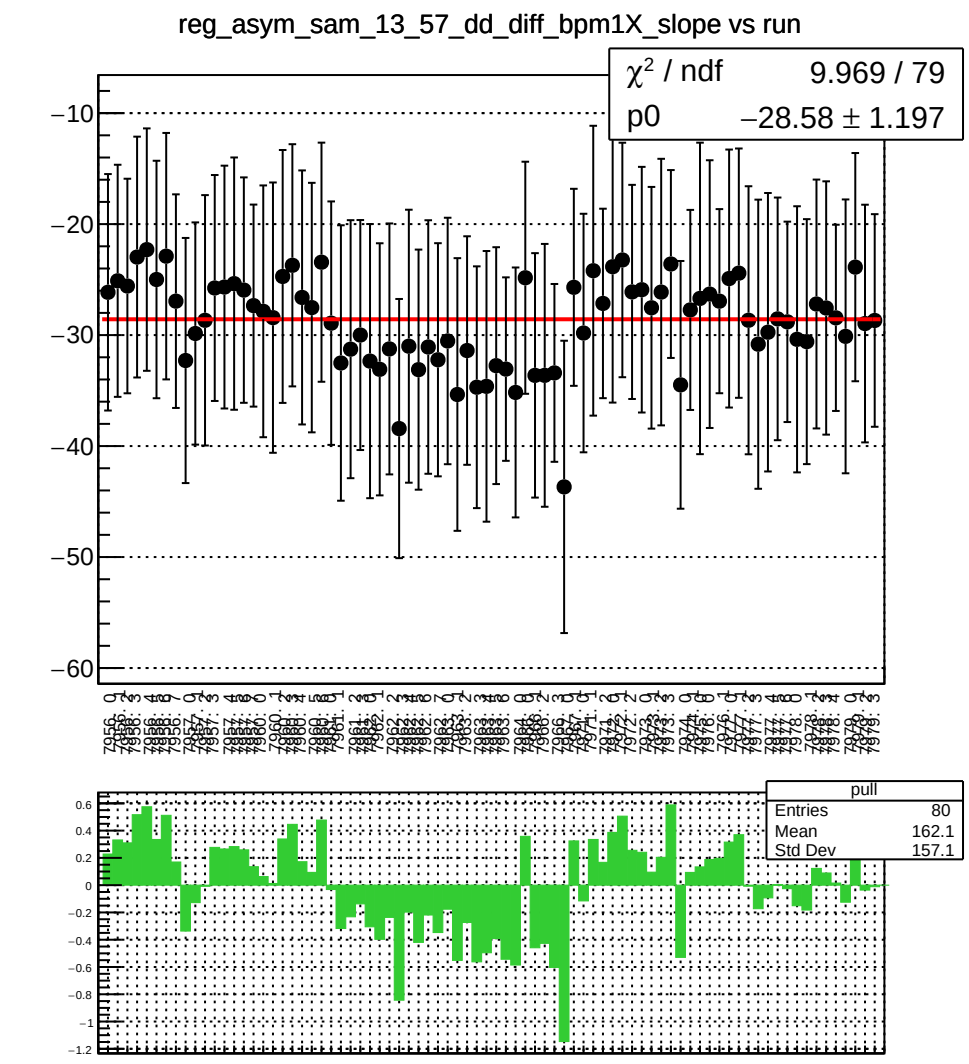

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.491 / 79
p0 −42.05 ± 3.112
pull
Entries 80
Mean −360.6
Std Dev 394.8

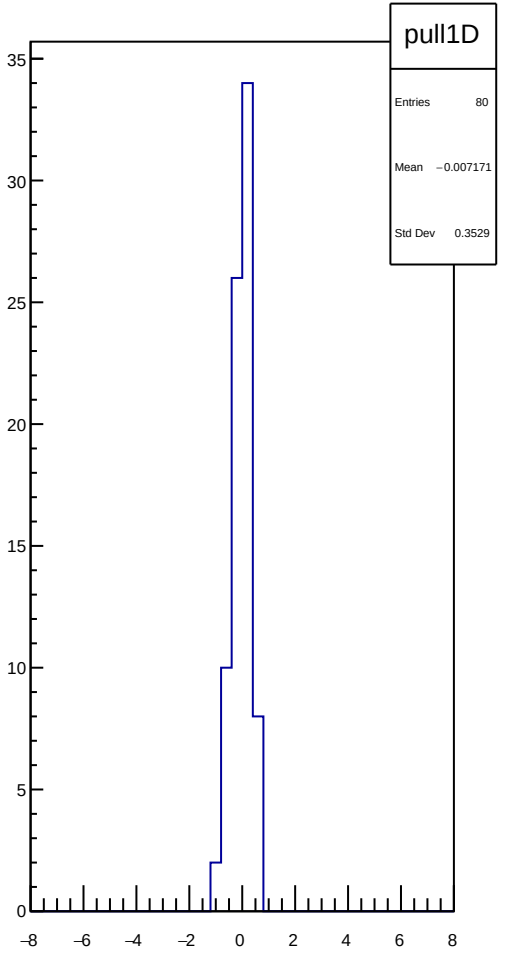

pull1D
Entries 80
Mean 0.003021
Std Dev 0.1764

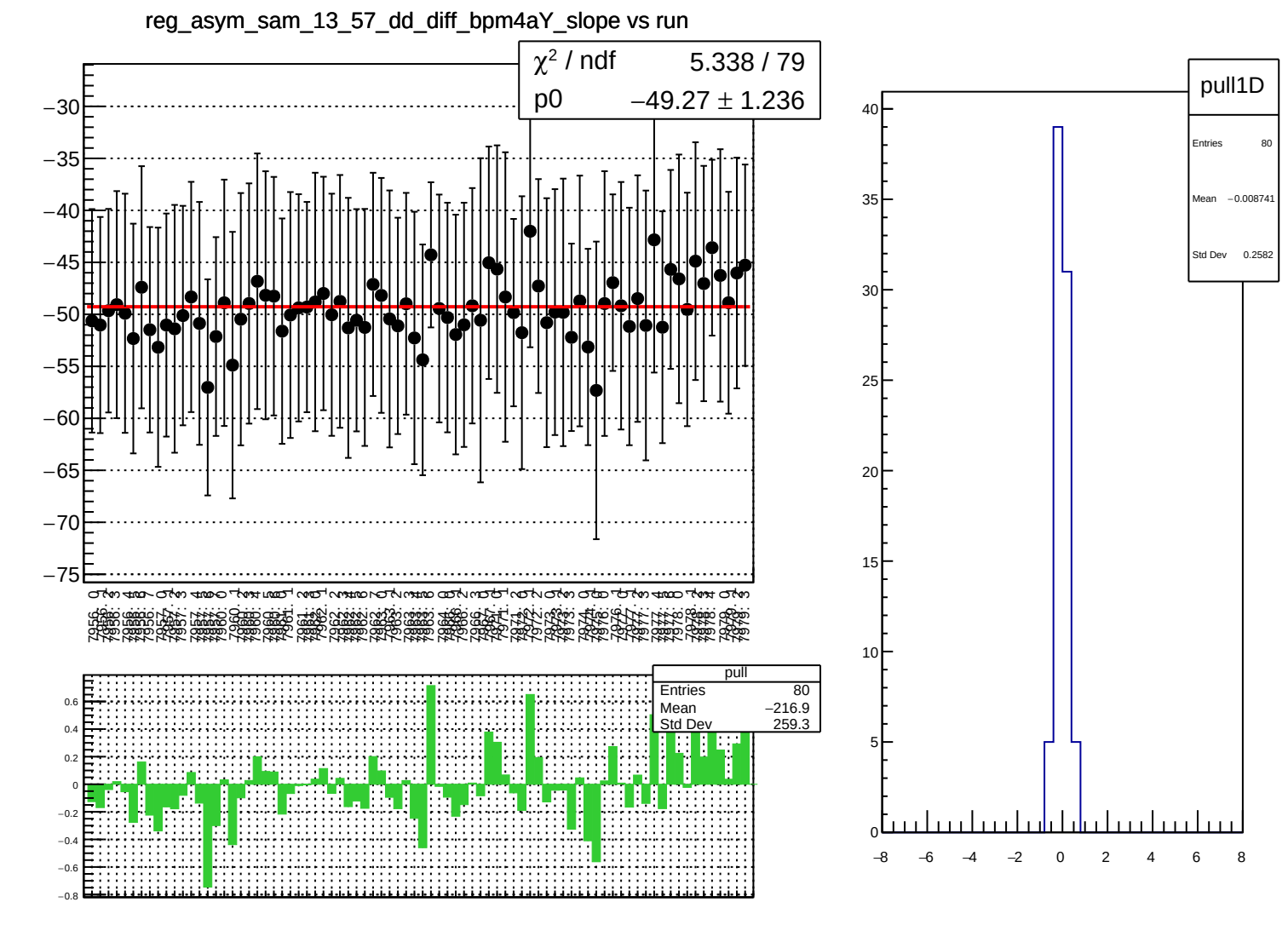

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.677 / 79
p0 43.31 ± 4.164
pull
Entries 80
Mean −220.4
Std Dev 249.5

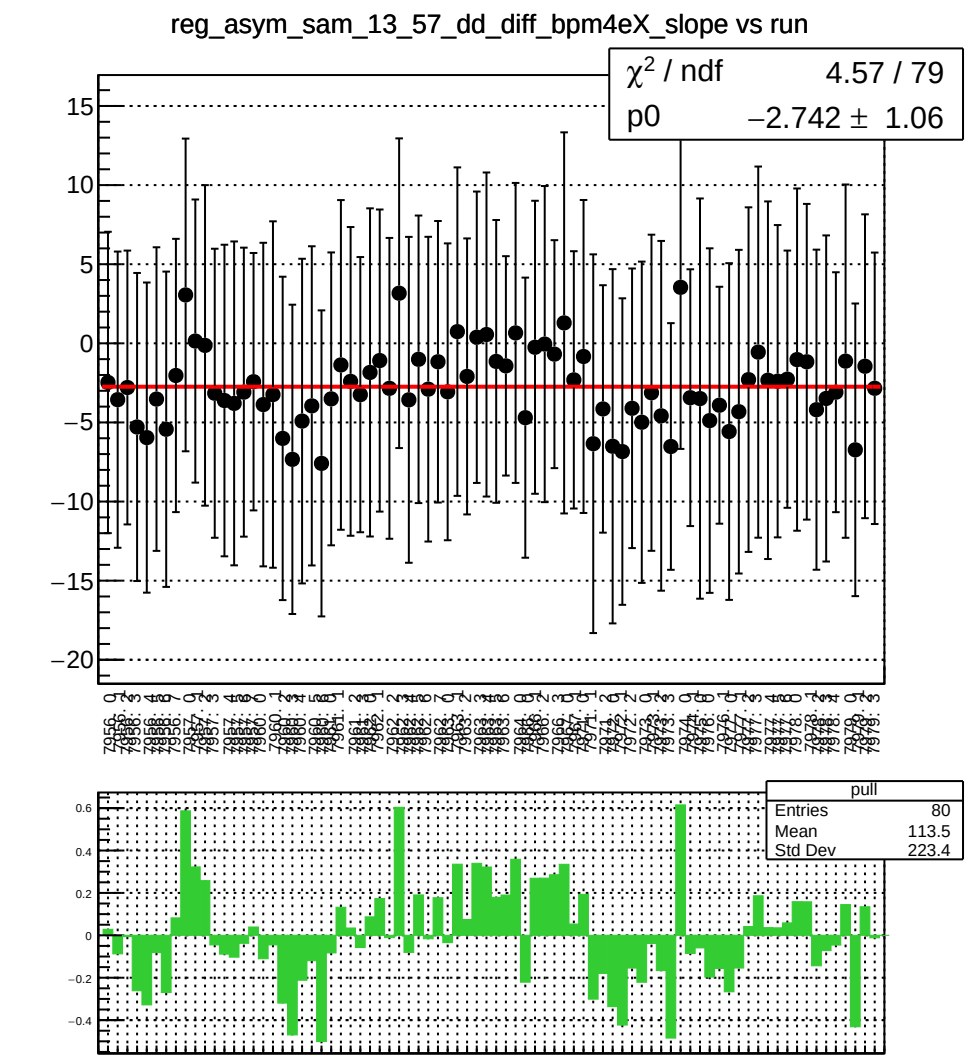

pull1D
Entries 80
Mean −0.007132
Std Dev 0.1828

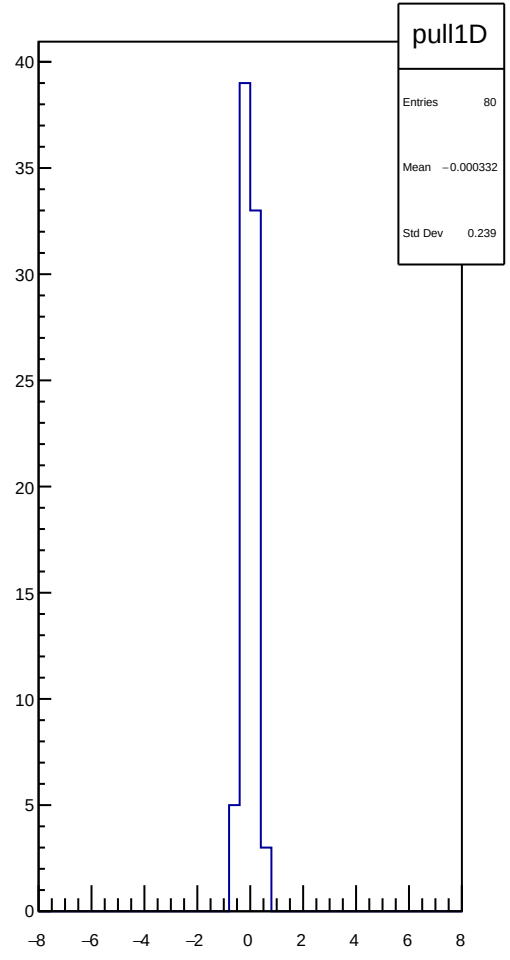

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.589 / 79
p0 −1.523 ± 0.1202
pull
Entries 80
Mean 17.73
Std Dev 51.25
pull1D
Entries 80
Mean −0.01261
Std Dev 0.2392

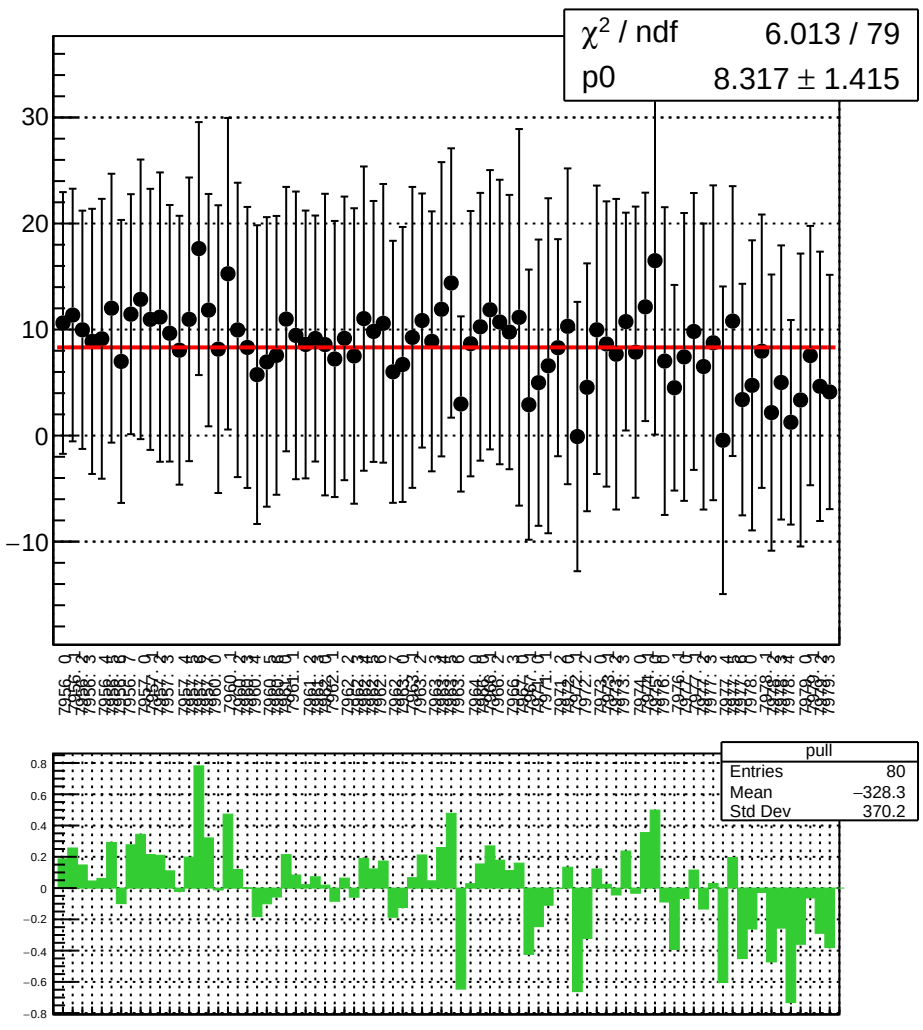

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.969 / 79
p0 −28.58 ± 1.197
pull
Entries 80
Mean 162.1
Std Dev 157.1

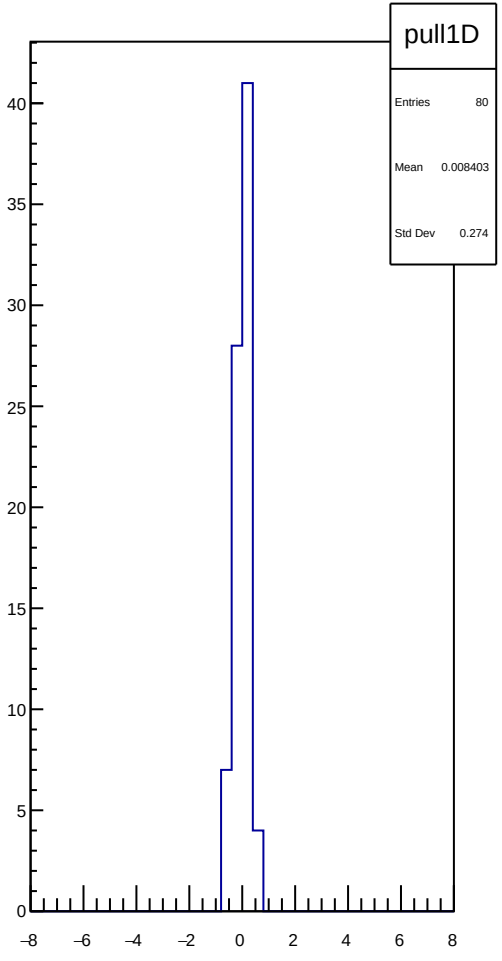

pull1D
Entries 80
Mean −0.007171
Std Dev 0.3529

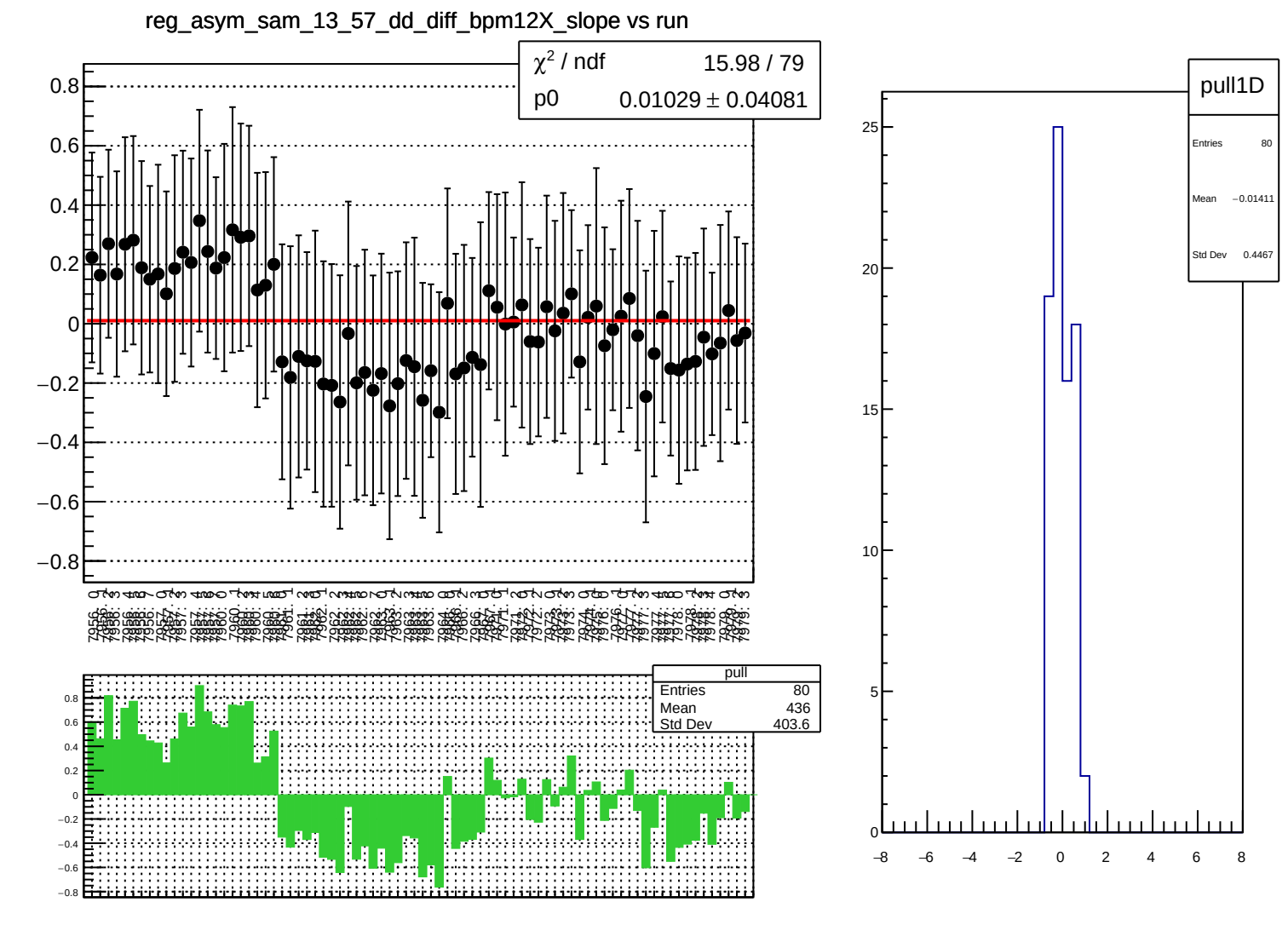

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.338 / 79
p0 −49.27 ± 1.236
pull
Entries 80
Mean −216.9
Std Dev 259.3
pull1D
Entries 80
Mean −0.008741
Std Dev 0.2582

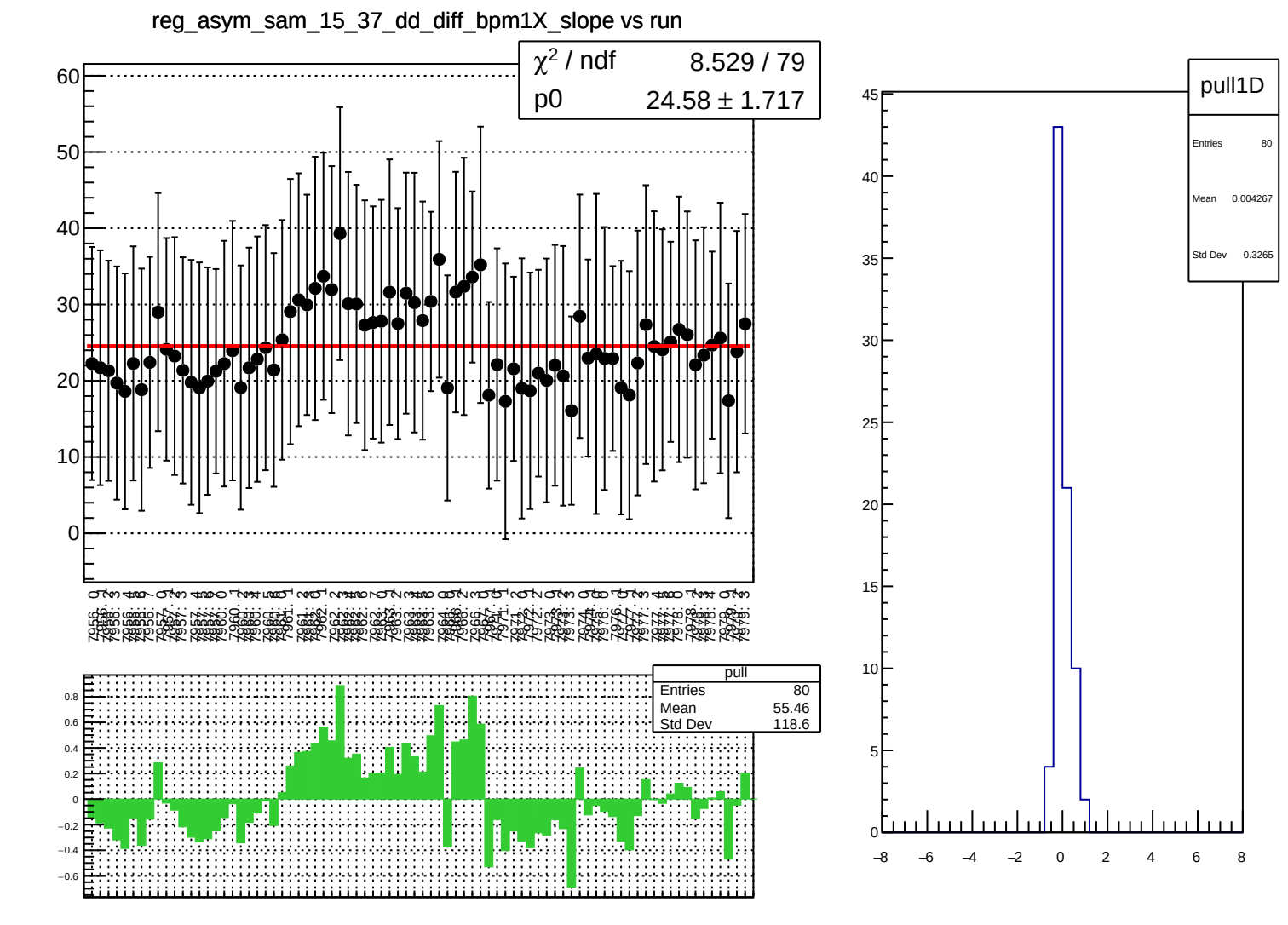

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.57 / 79
p0 −2.742 ± 1.06
pull
Entries 80
Mean 113.5
Std Dev 223.4

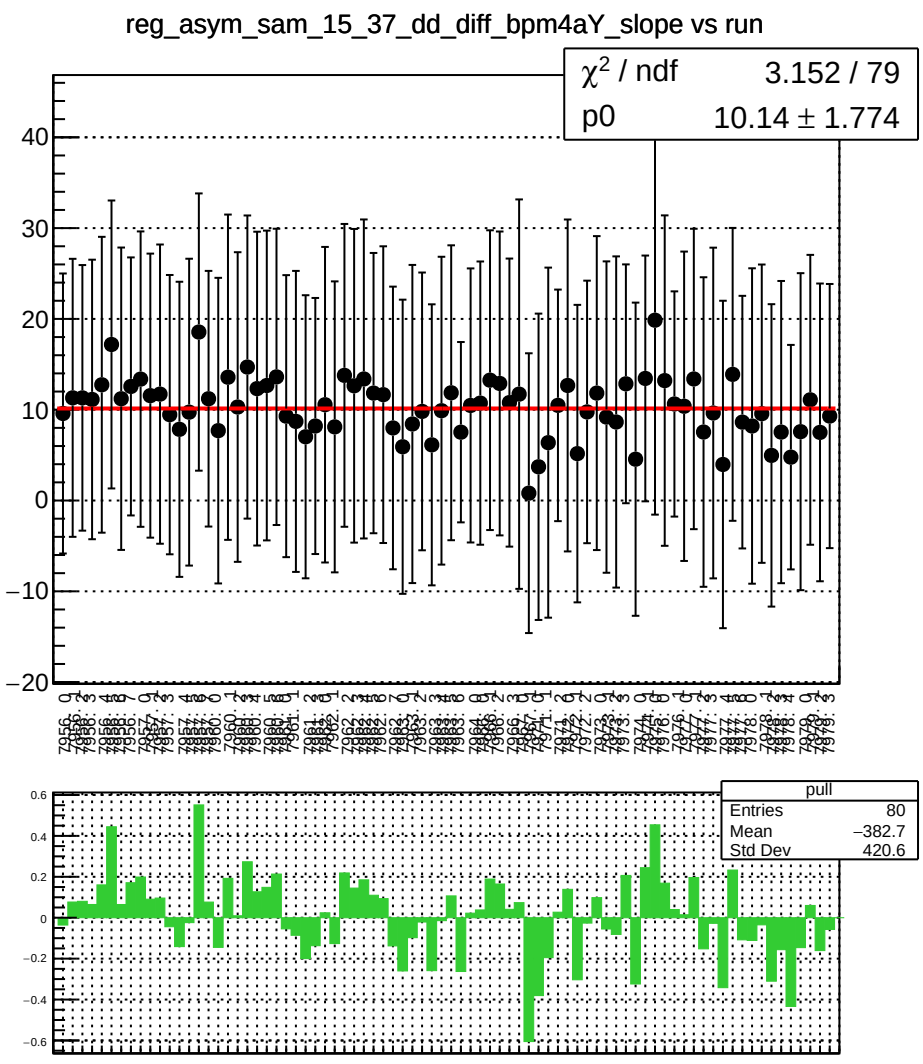

pull1D
Entries 80
Mean −0.000332
Std Dev 0.239

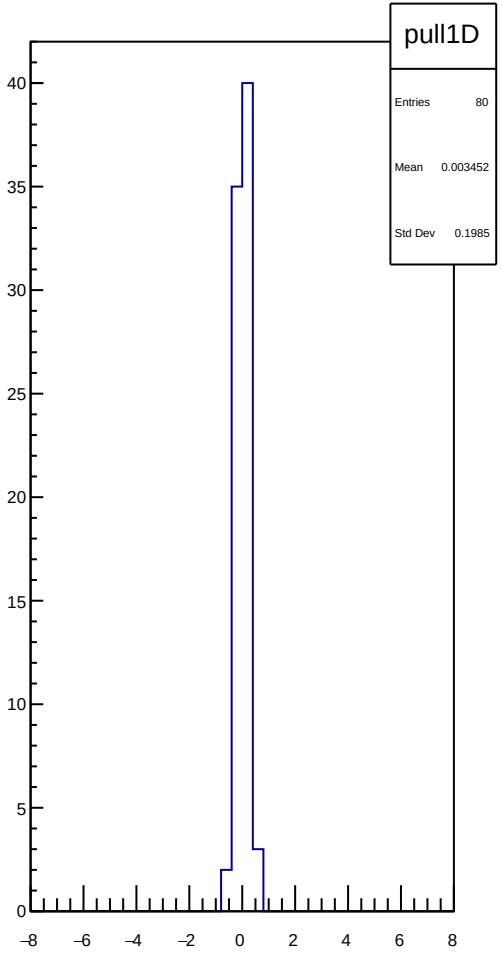

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.013 / 79
p0 8.317 ± 1.415
pull
Entries 80
Mean −328.3
Std Dev 370.2

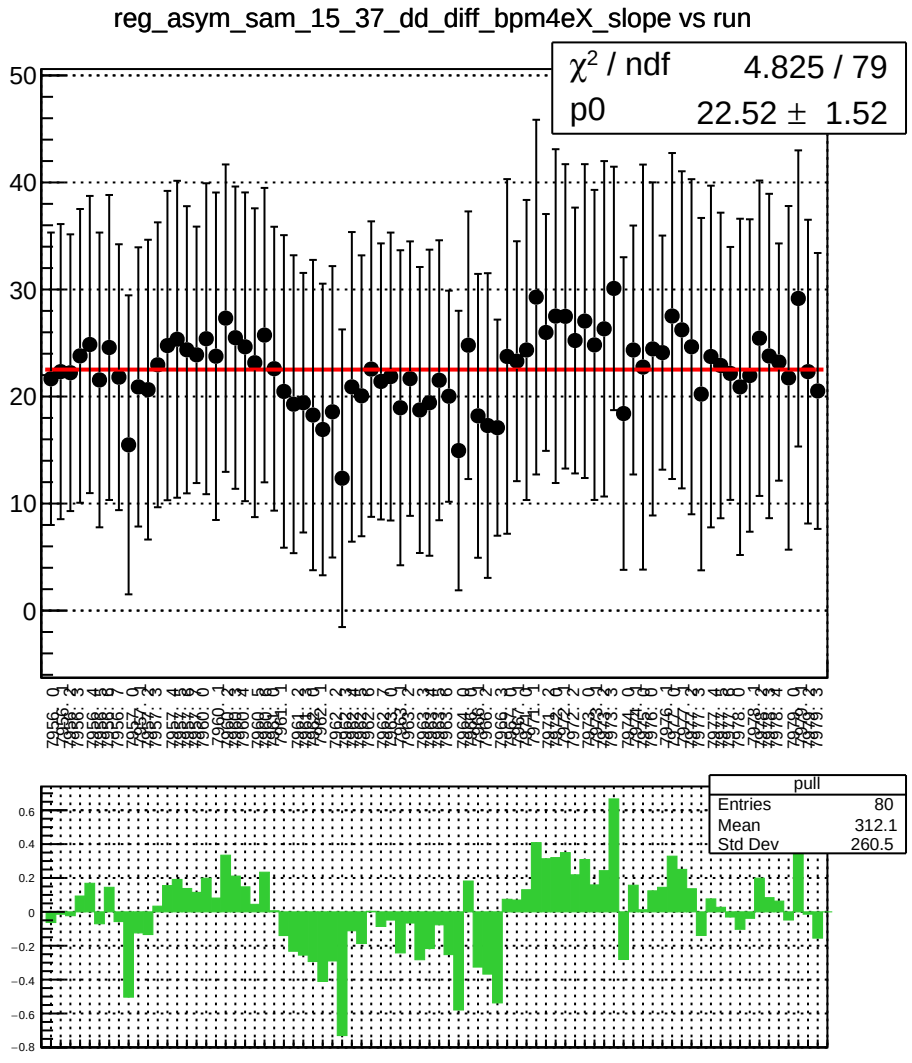

pull1D
Entries 80
Mean 0.008403
Std Dev 0.274

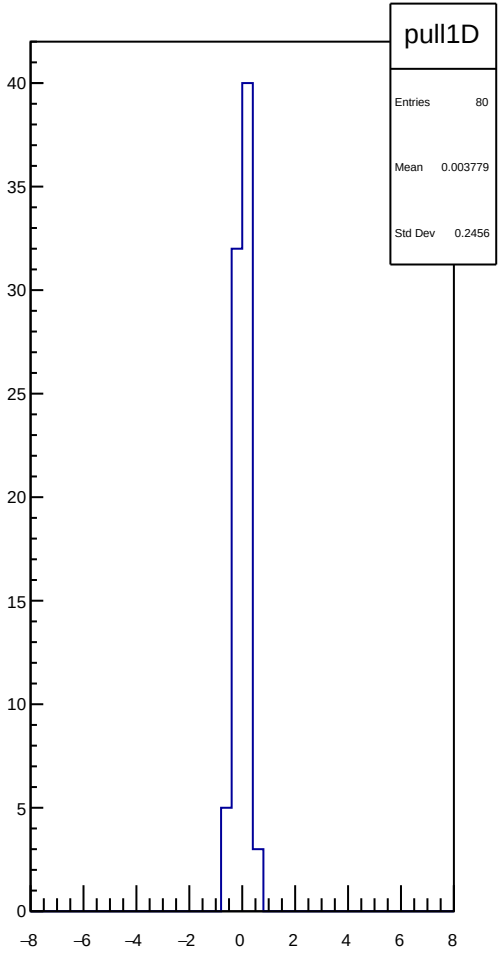

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 15.98 / 79
p0 0.01029 ± 0.04081
pull
Entries 80
Mean 436
Std Dev 403.6
pull1D
Entries 80
Mean −0.01411
Std Dev 0.4467

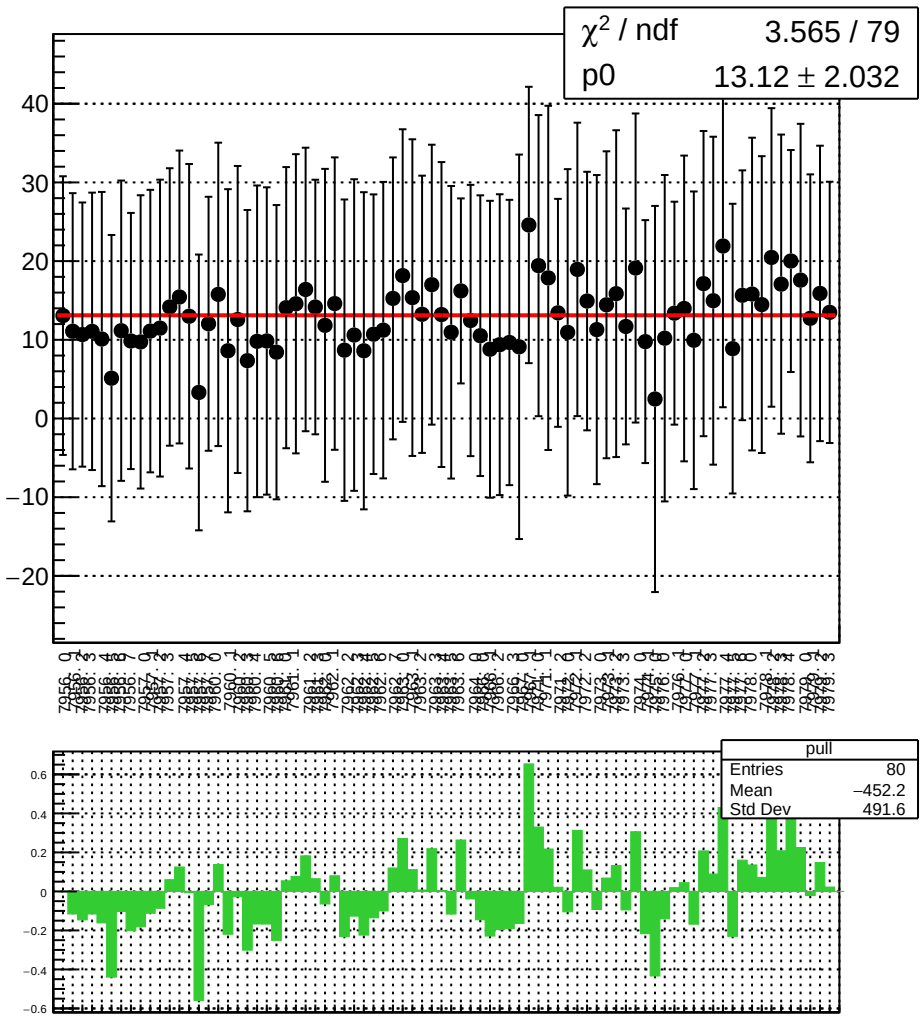

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 8.529 / 79
p0 24.58 ± 1.717
pull
Entries 80
Mean 55.46
Std Dev 118.6
pull1D
Entries 80
Mean 0.004267
Std Dev 0.3265

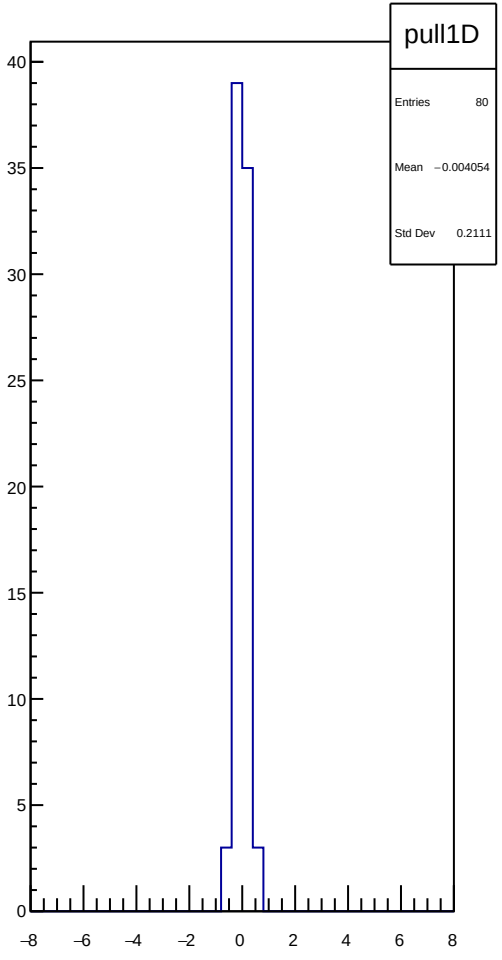

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.152 / 79
p0 10.14 ± 1.774
pull
Entries 80
Mean −382.7
Std Dev 420.6

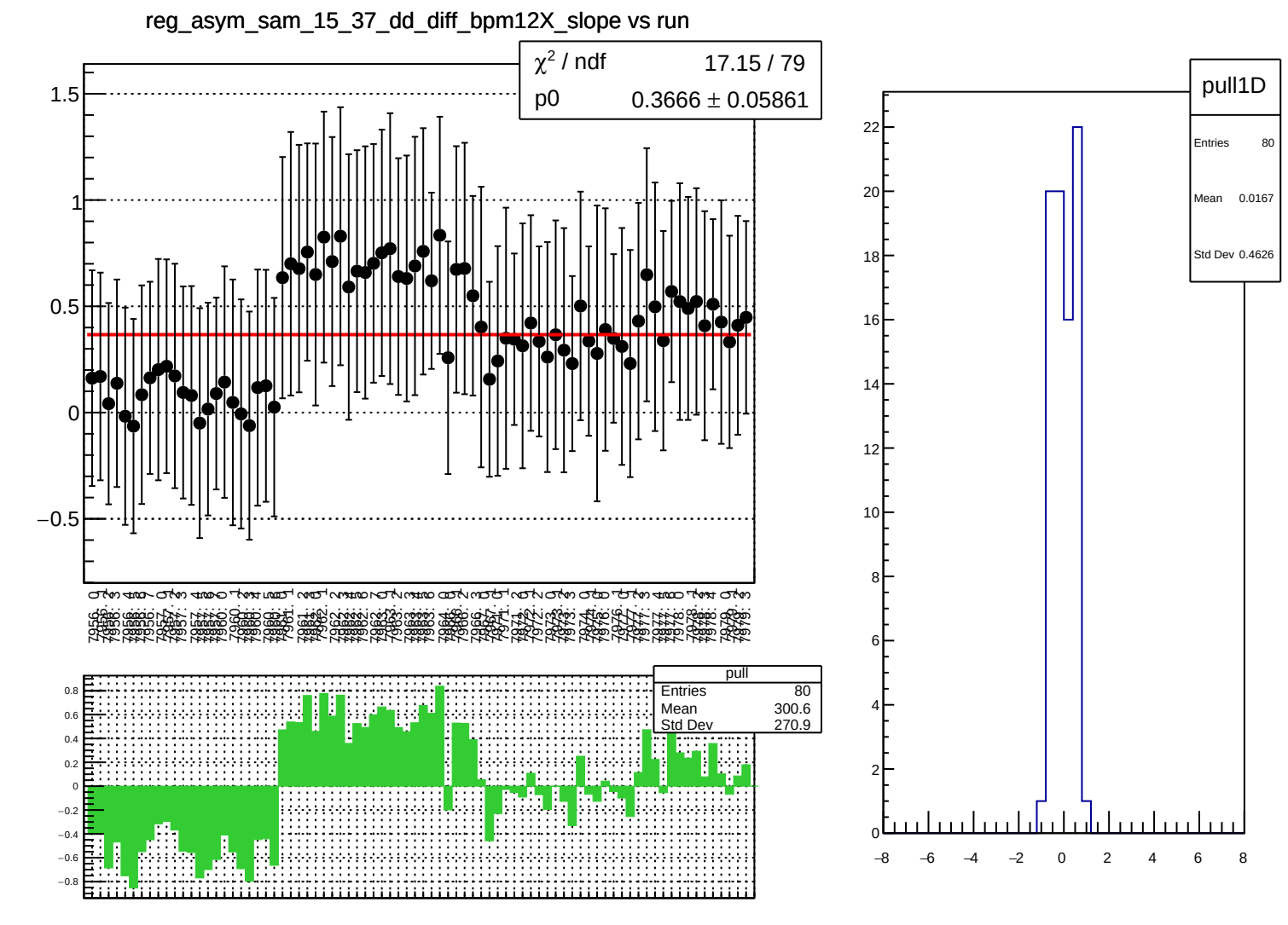

pull1D
Entries 80
Mean 0.003452
Std Dev 0.1985

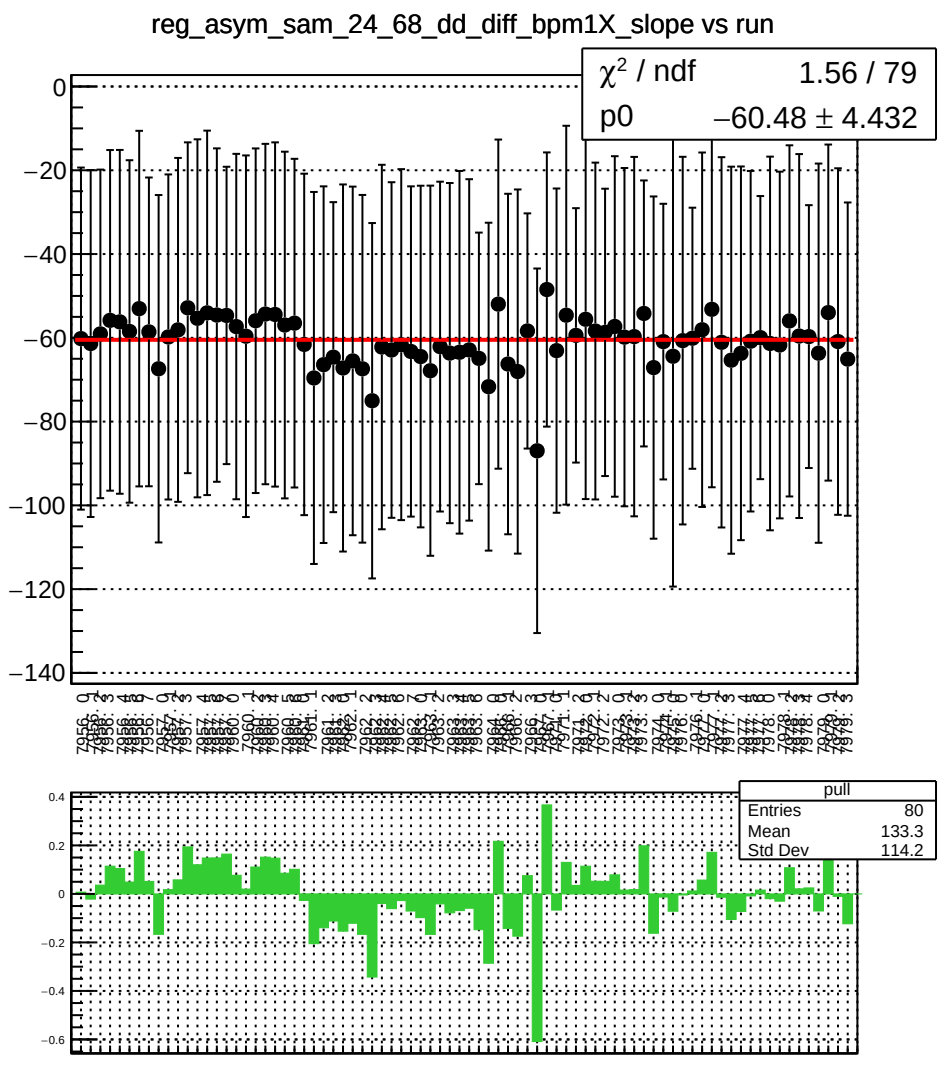

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.825 / 79
p0 22.52 ± 1.52
pull
Entries 80
Mean 312.1
Std Dev 260.5

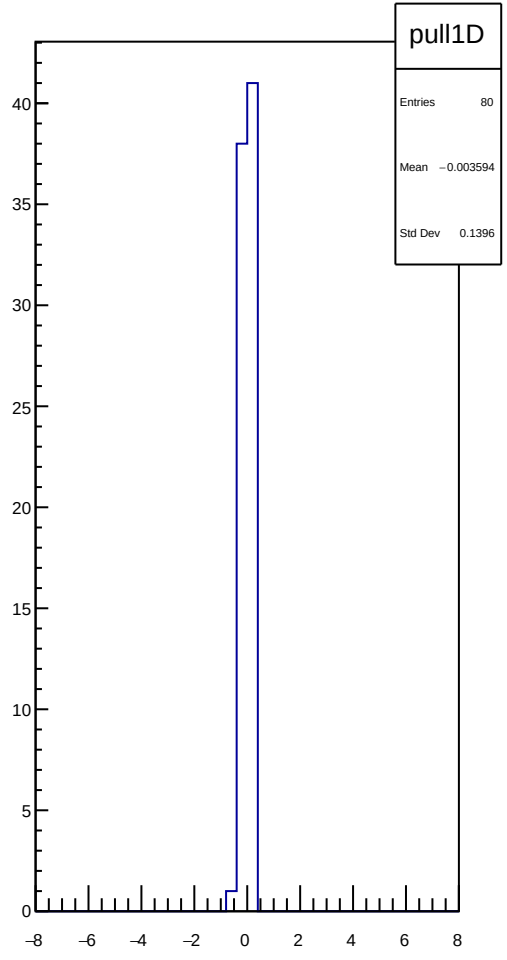

pull1D
Entries 80
Mean 0.003779
Std Dev 0.2456

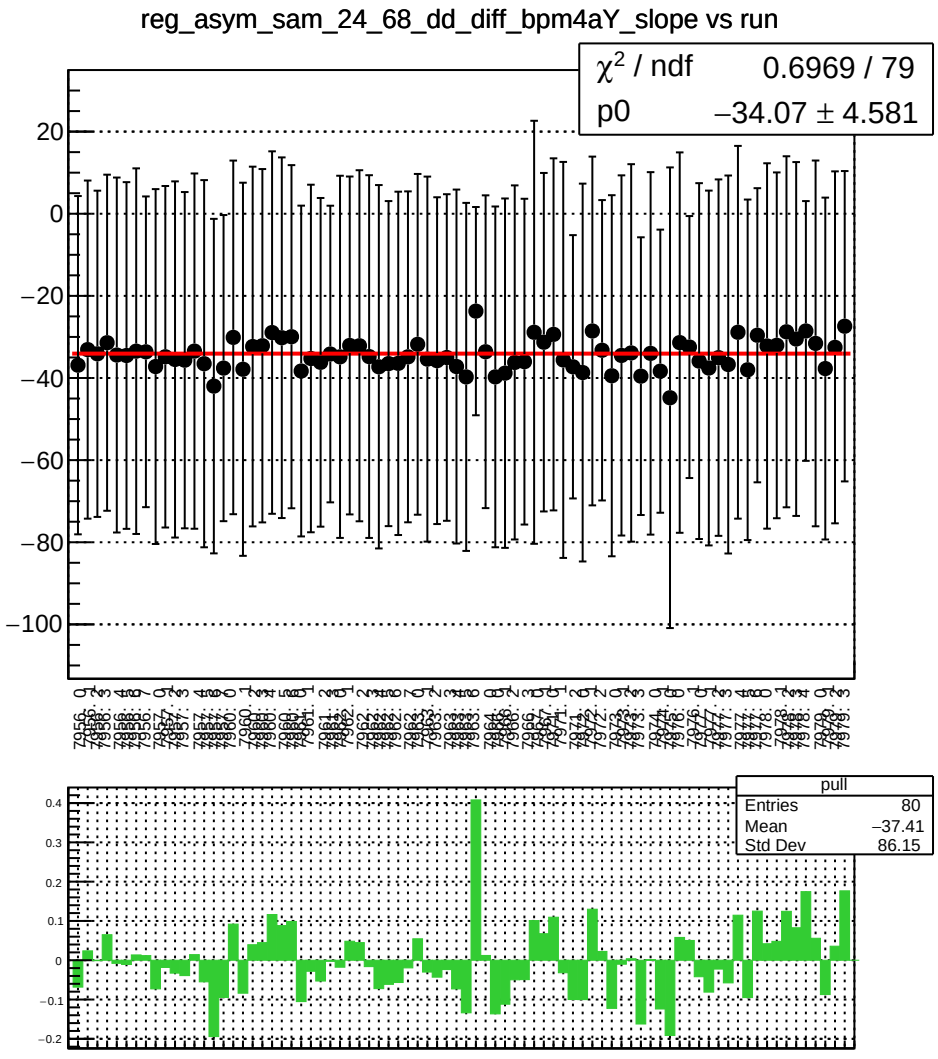

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.565 / 79
p0 13.12 ± 2.032
pull
Entries 80
Mean −452.2
Std Dev 491.6

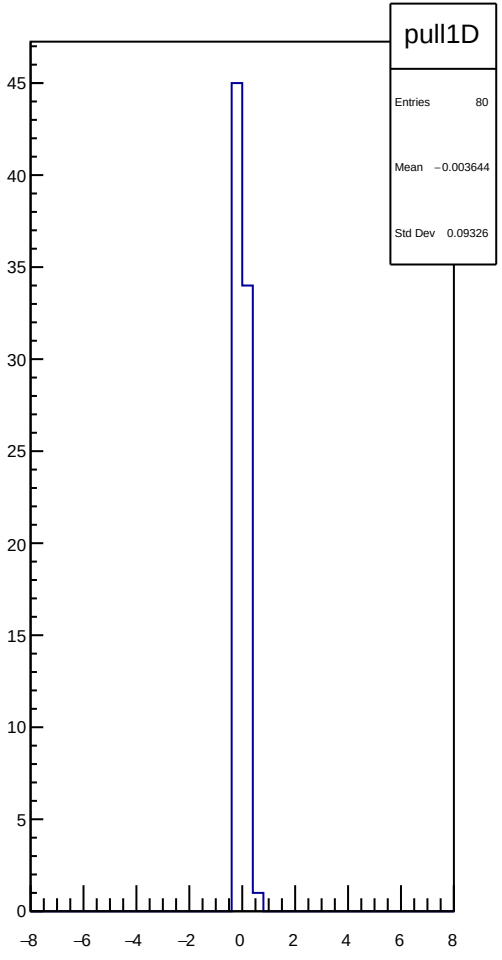

pull1D
Entries 80
Mean −0.004054
Std Dev 0.2111

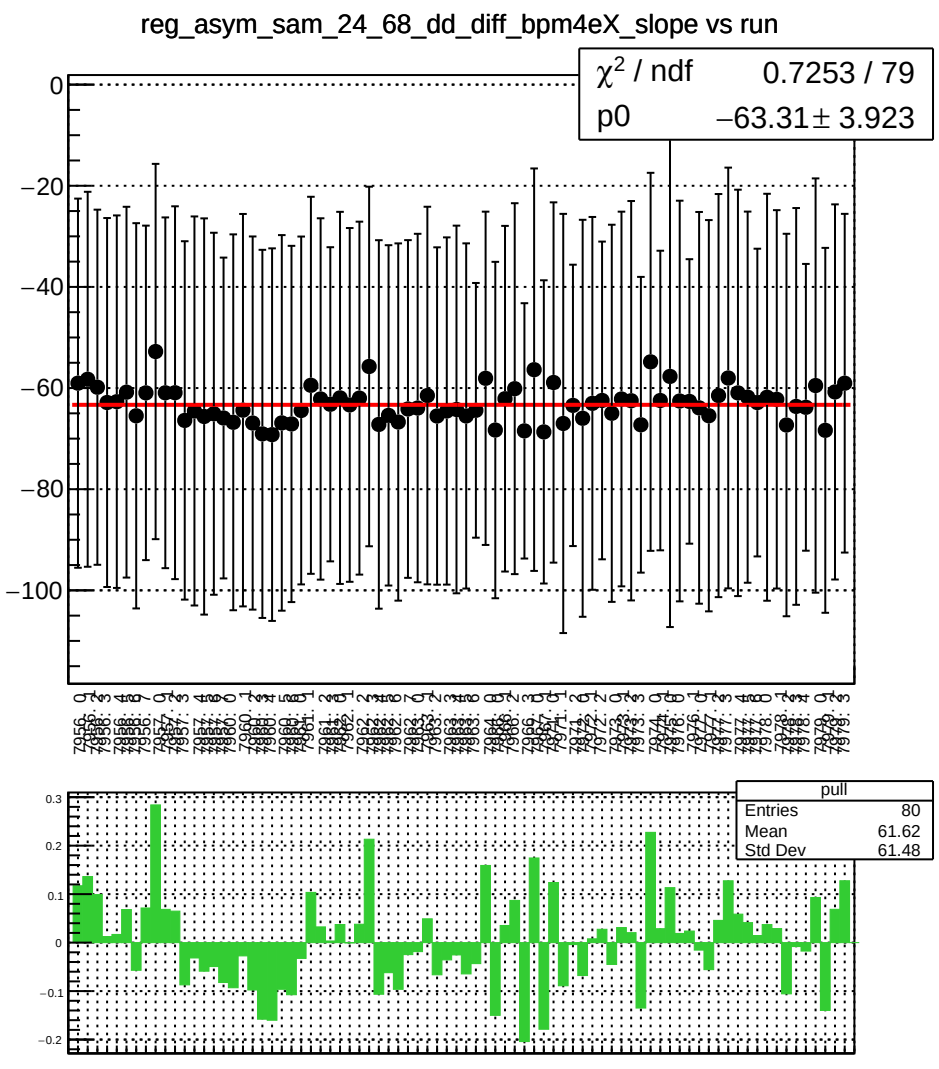

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.15 / 79
p0 0.3666 ± 0.05861
pull
Entries 80
Mean 300.6
Std Dev 270.9
pull1D
Entries 80
Mean 0.0167
Std Dev 0.4626

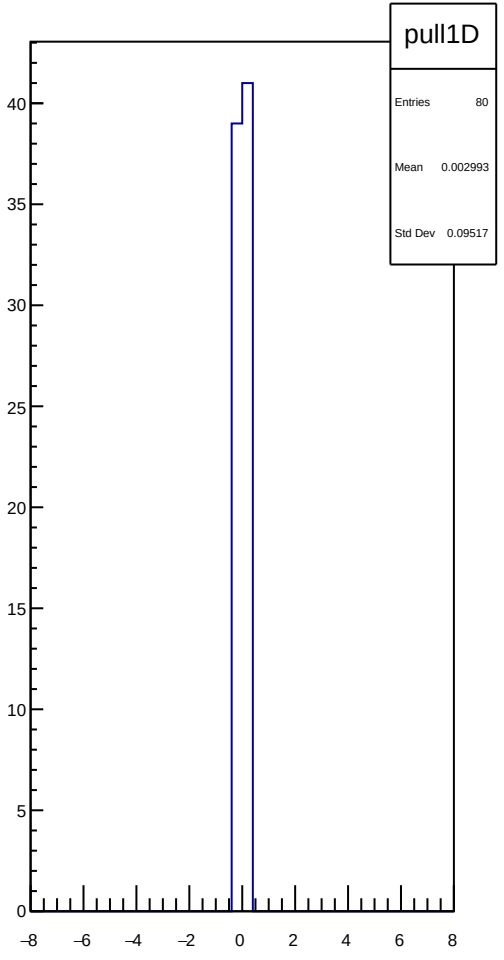

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.56 / 79
p0 −60.48 ± 4.432
pull
Entries 80
Mean 133.3
Std Dev 114.2

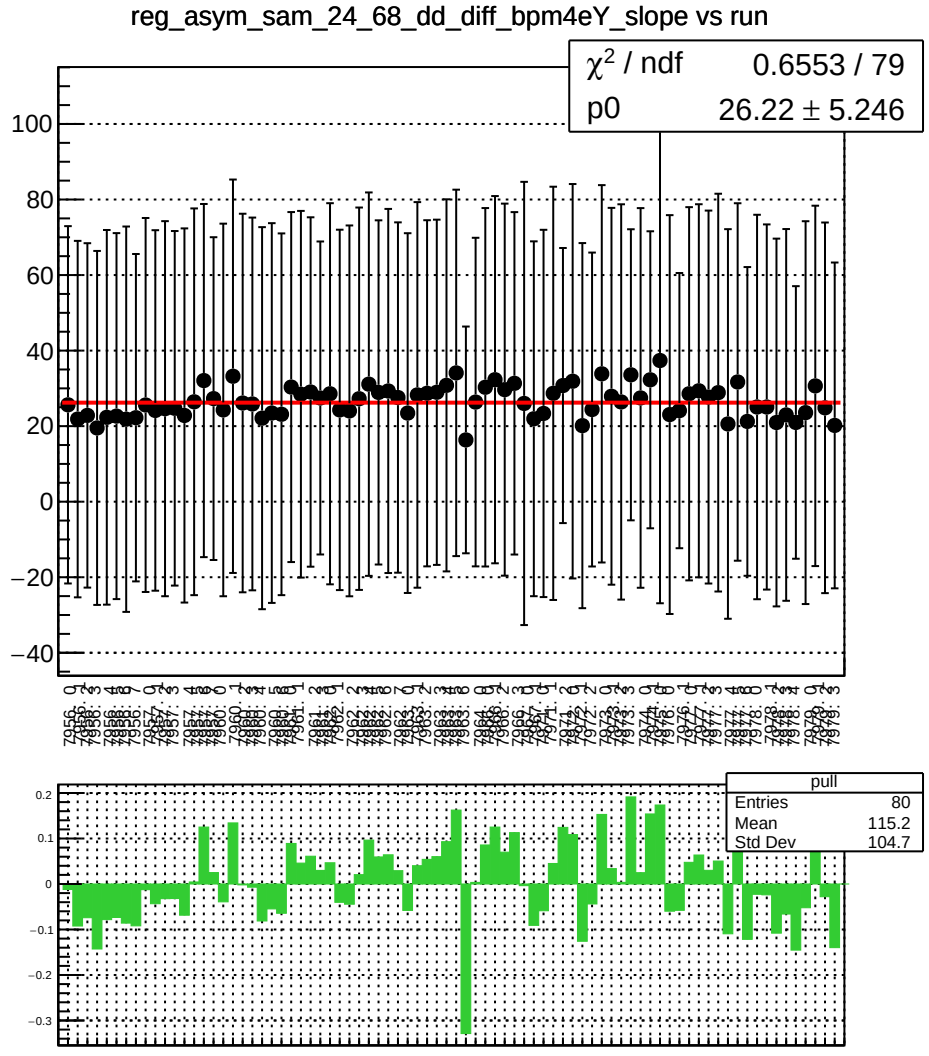

pull1D
Entries 80
Mean −0.003594
Std Dev 0.1396

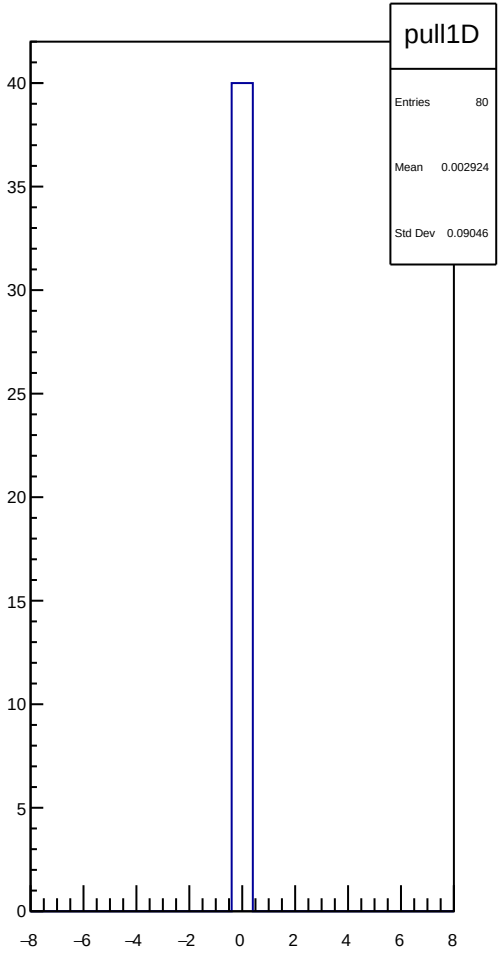

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6969 / 79
p0 −34.07 ± 4.581
pull
Entries 80
Mean −37.41
Std Dev 86.15

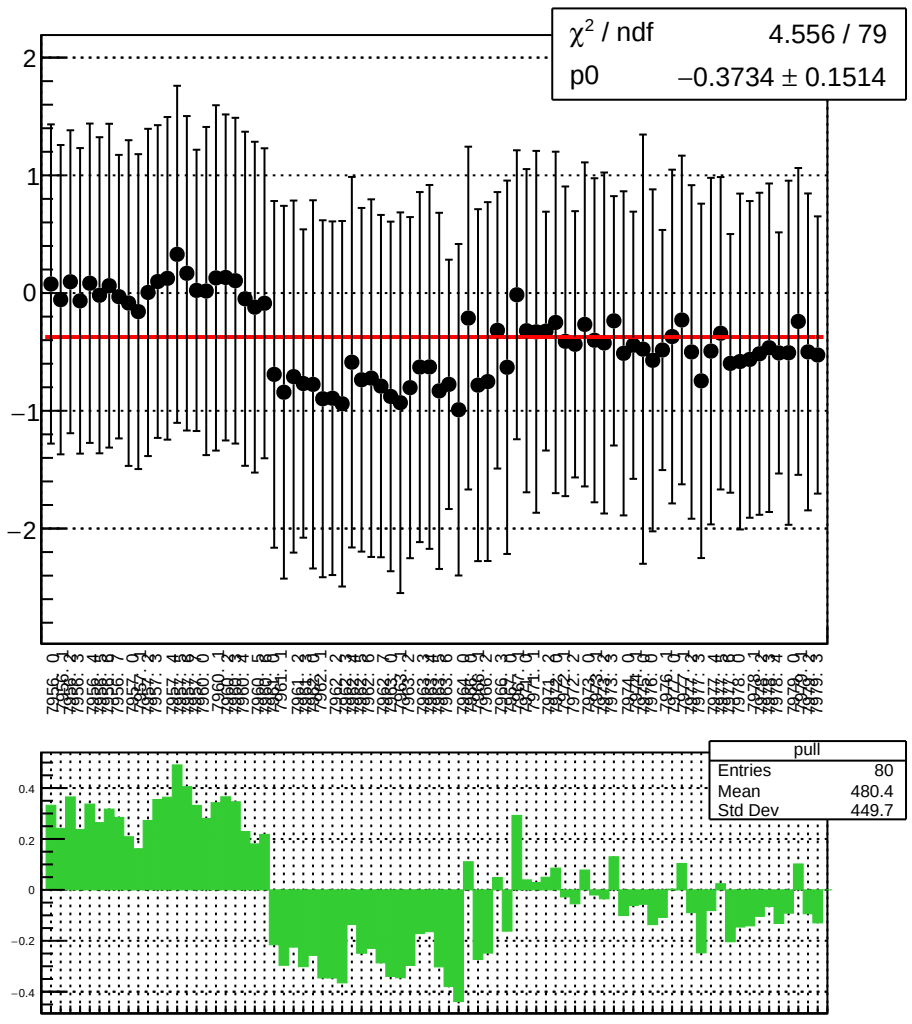

pull1D
Entries 80
Mean −0.003644
Std Dev 0.09326

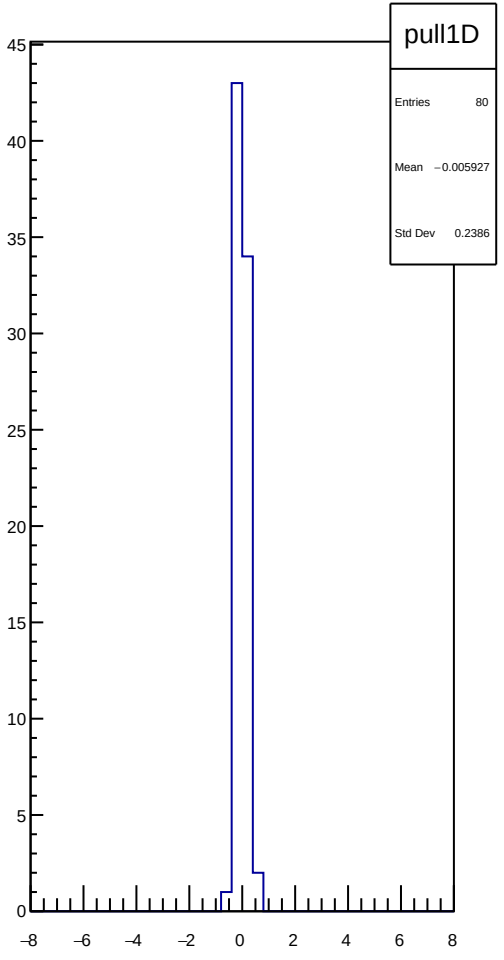

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7253 / 79
p0 −63.31 ± 3.923
pull
Entries 80
Mean 61.62
Std Dev 61.48

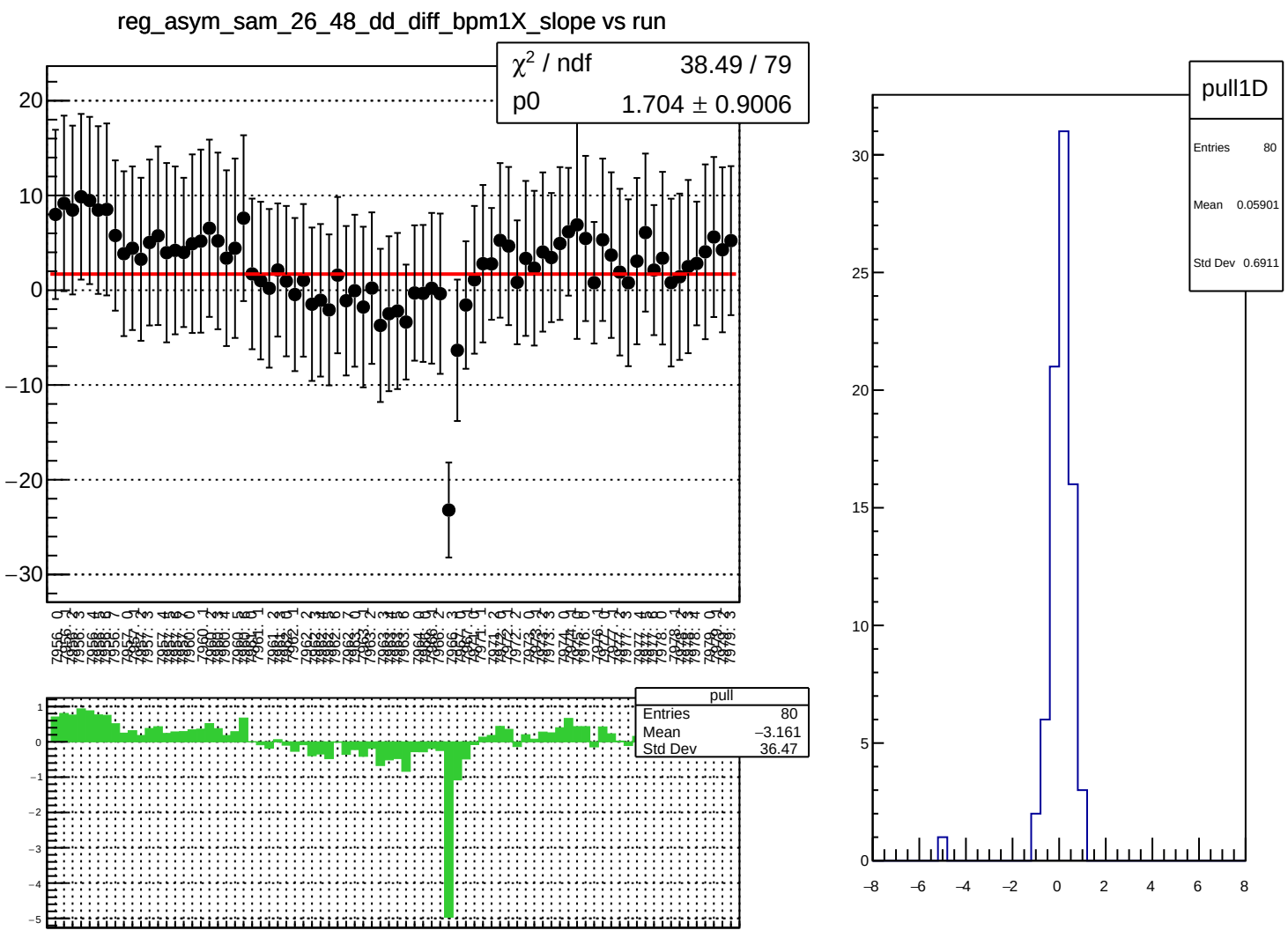

pull1D
Entries 80
Mean 0.002993
Std Dev 0.09517

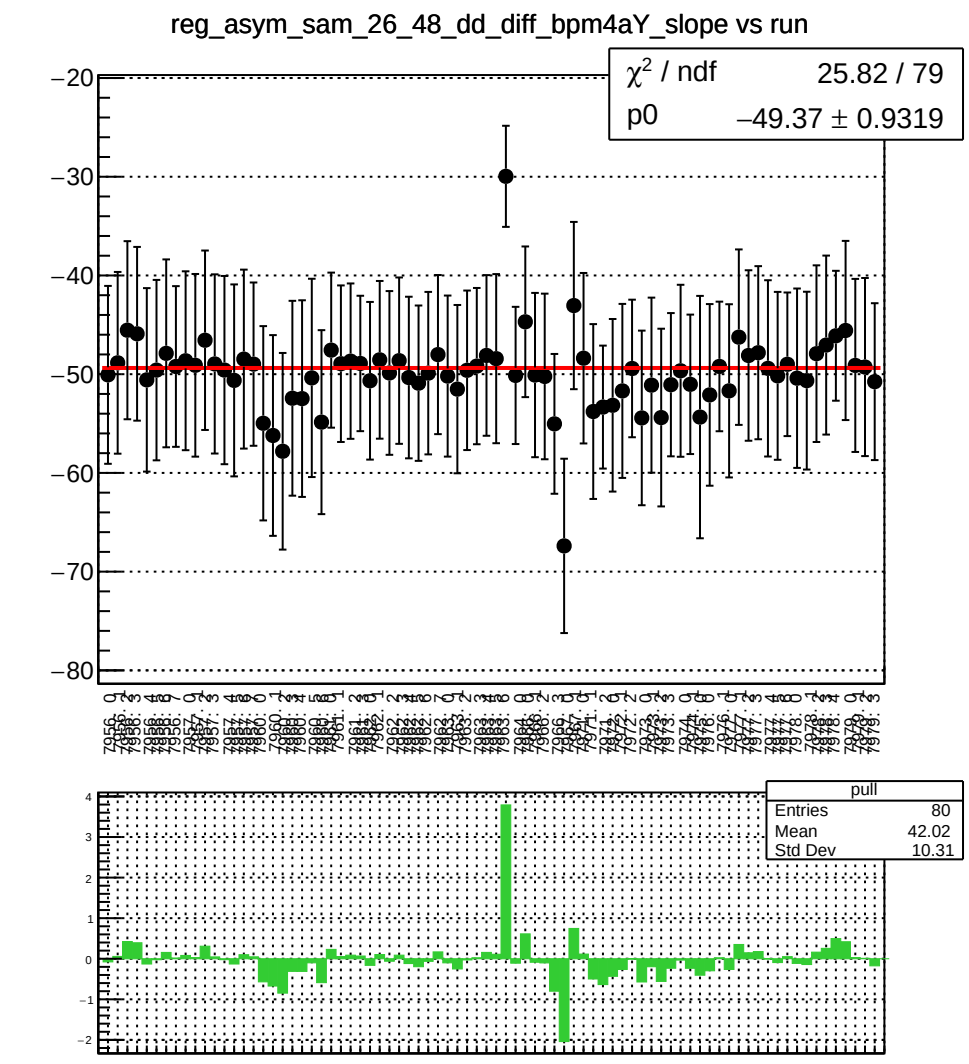

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.6553 / 79
p0 26.22 ± 5.246
pull
Entries 80
Mean 115.2
Std Dev 104.7

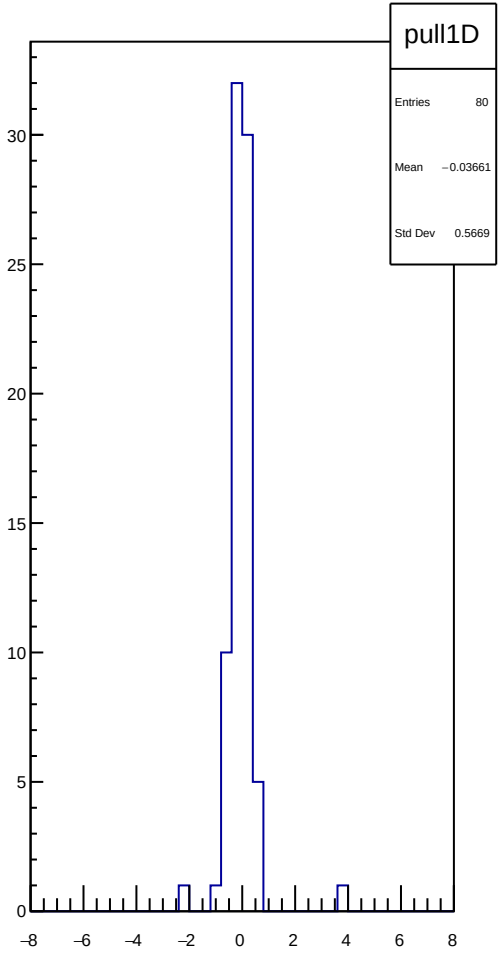

pull1D
Entries 80
Mean 0.002924
Std Dev 0.09046

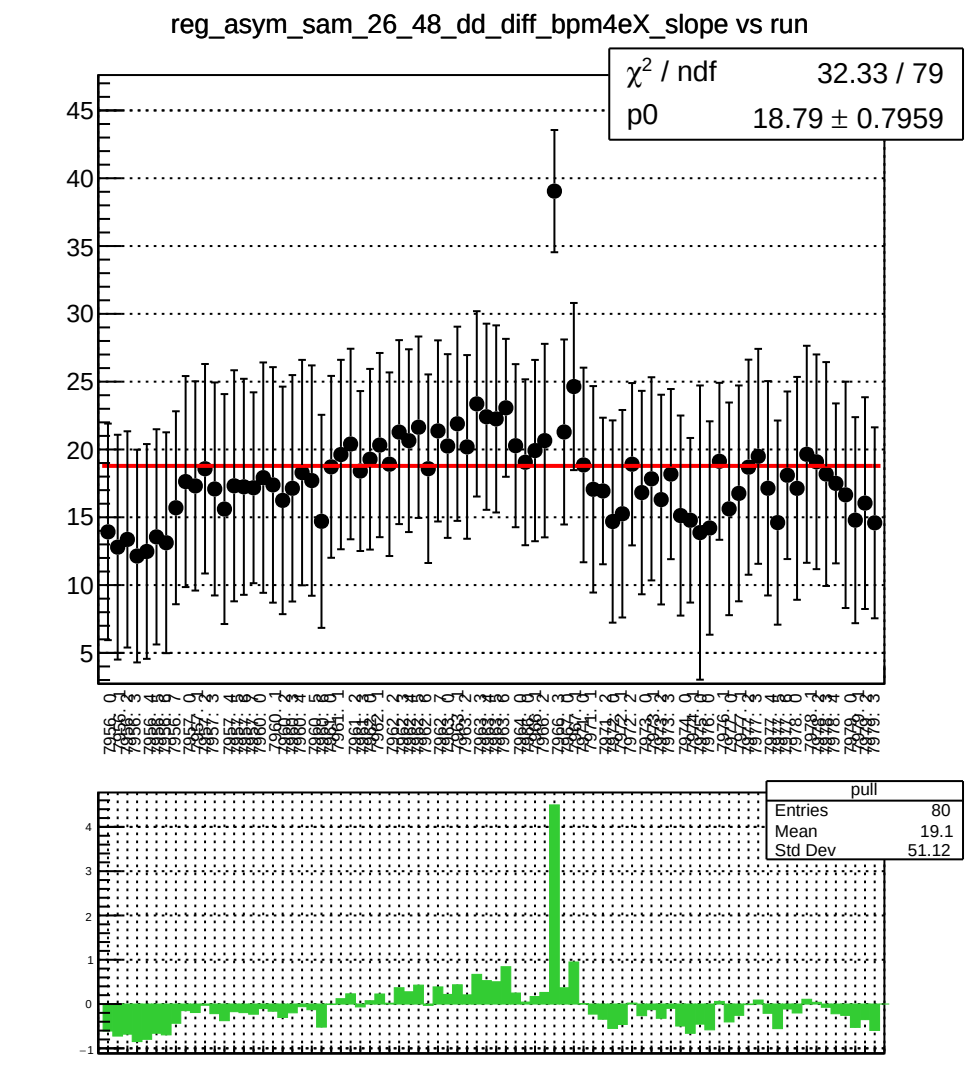

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.556 / 79
p0 −0.3734 ± 0.1514
pull
Entries 80
Mean 480.4
Std Dev 449.7

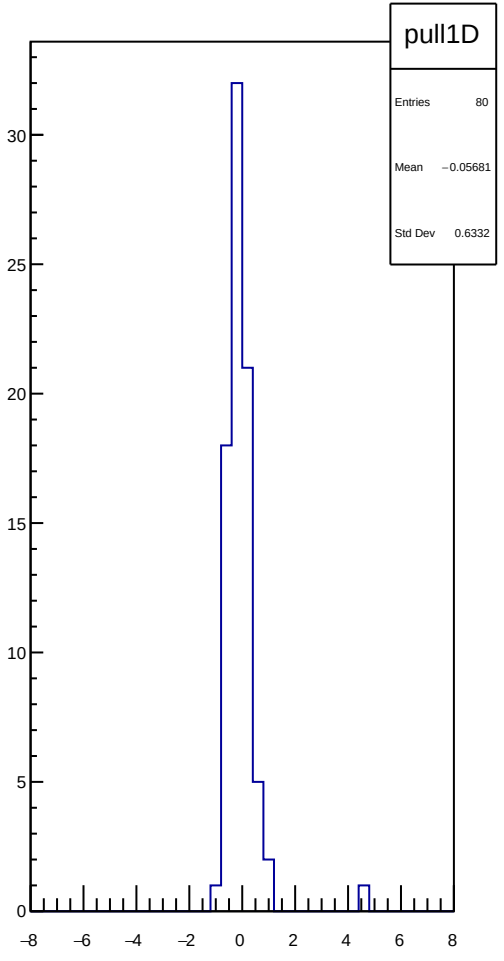

pull1D
Entries 80
Mean −0.005927
Std Dev 0.2386

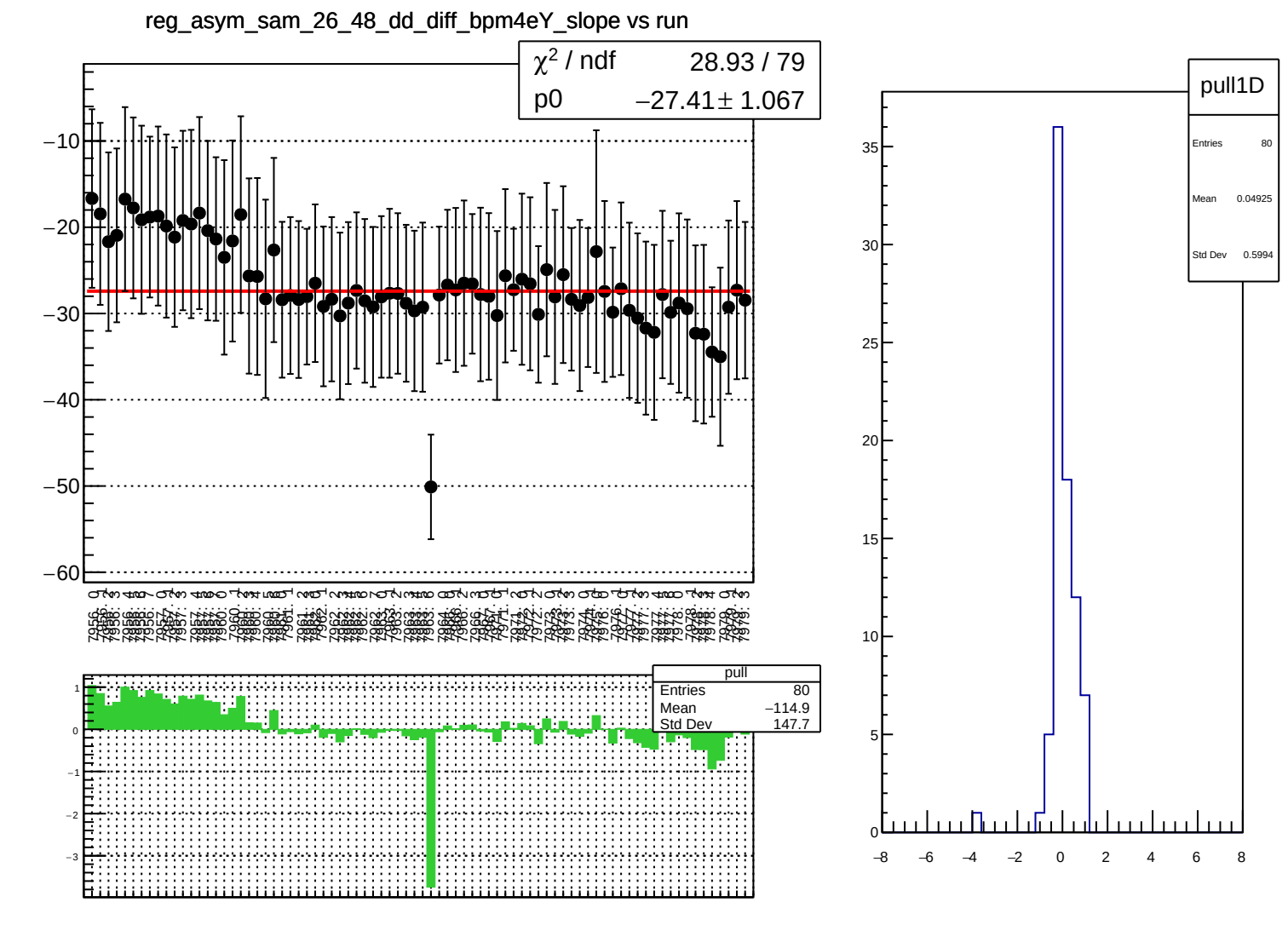

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 38.49 / 79
p0 1.704 ± 0.9006
pull
Entries 80
Mean −3.161
Std Dev 36.47
pull1D
Entries 80
Mean 0.05901
Std Dev 0.6911

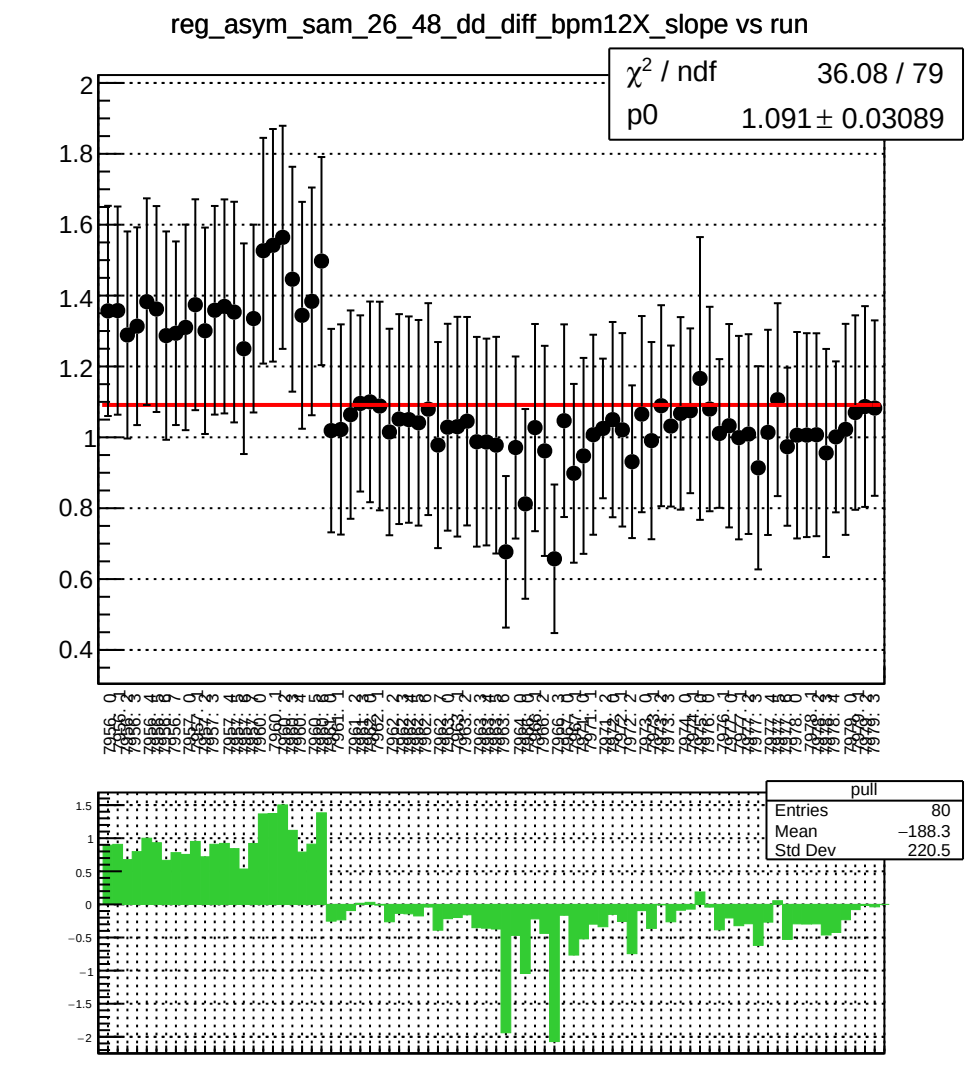

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.82 / 79
p0 −49.37 ± 0.9319
pull
Entries 80
Mean 42.02
Std Dev 10.31

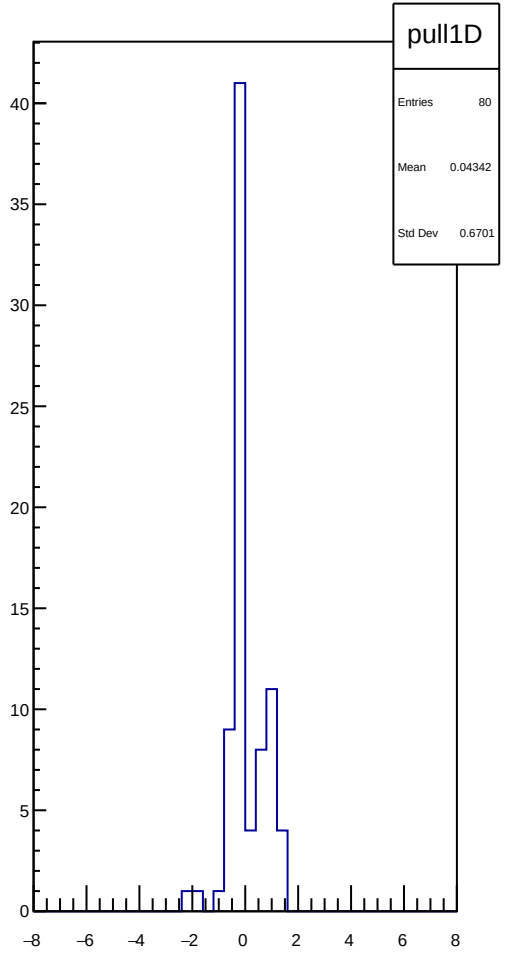

pull1D
Entries 80
Mean −0.03661
Std Dev 0.5669

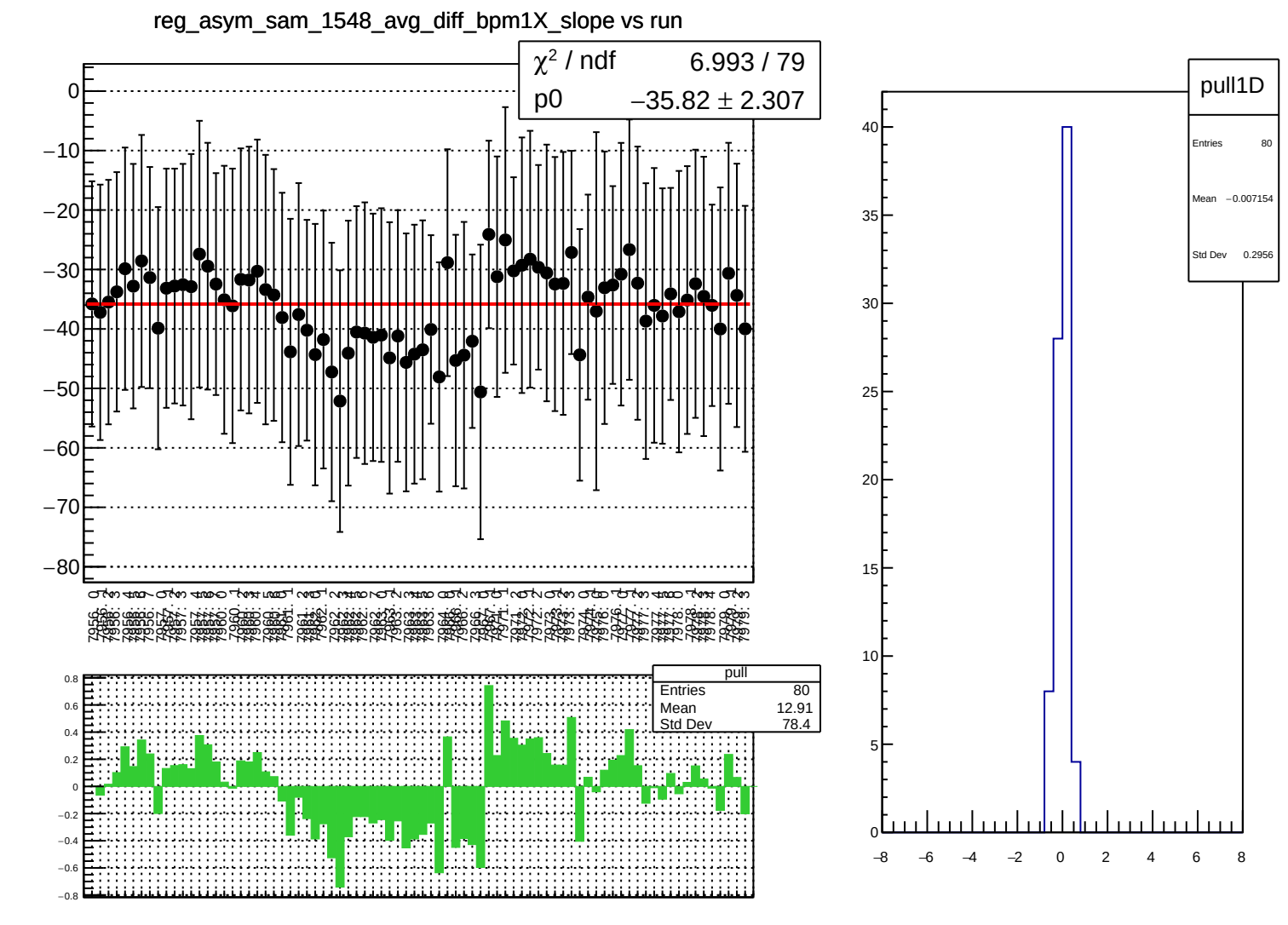

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.33 / 79
p0 18.79 ± 0.7959
pull
Entries 80
Mean 19.1
Std Dev 51.12

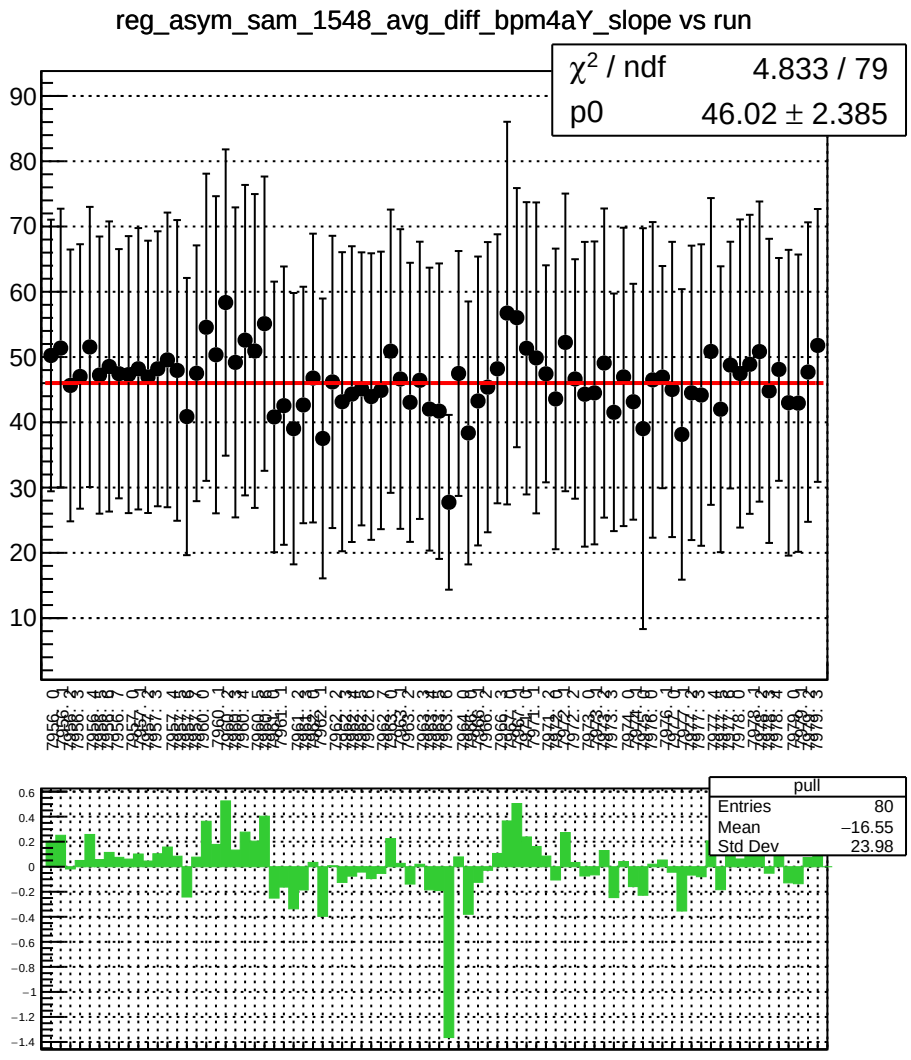

pull1D
Entries 80
Mean −0.05681
Std Dev 0.6332

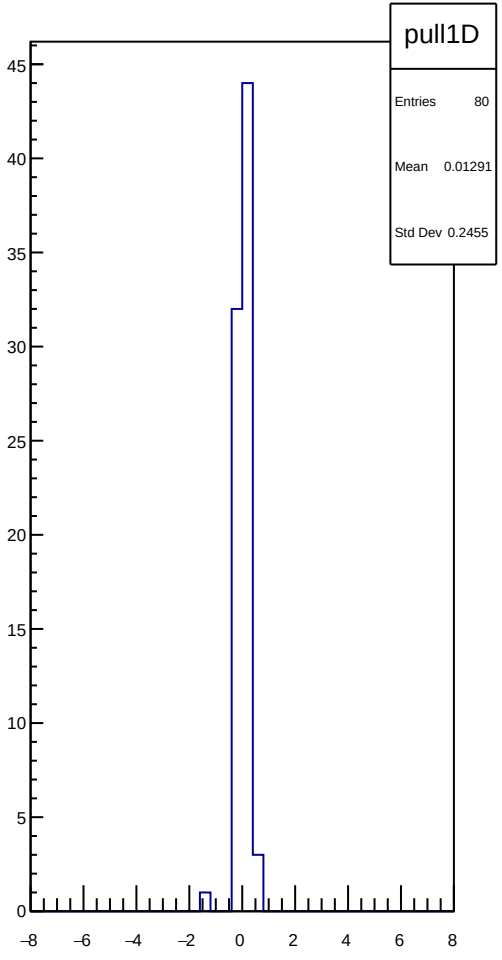

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.93 / 79
p0 −27.41 ± 1.067
pull
Entries 80
Mean −114.9
Std Dev 147.7
pull1D
Entries 80
Mean 0.04925
Std Dev 0.5994

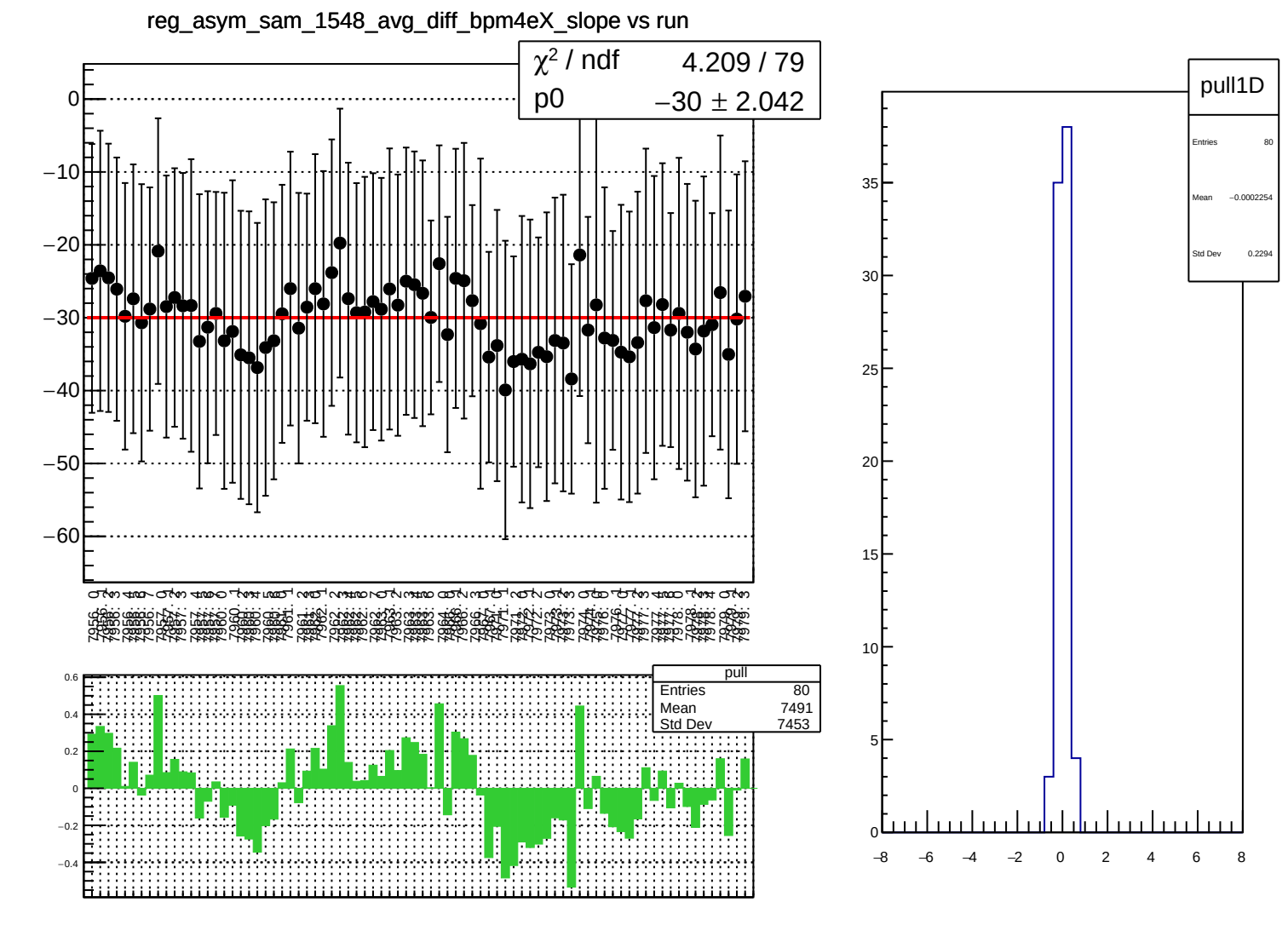

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.08 / 79
p0 1.091 ± 0.03089
pull
Entries 80
Mean −188.3
Std Dev 220.5

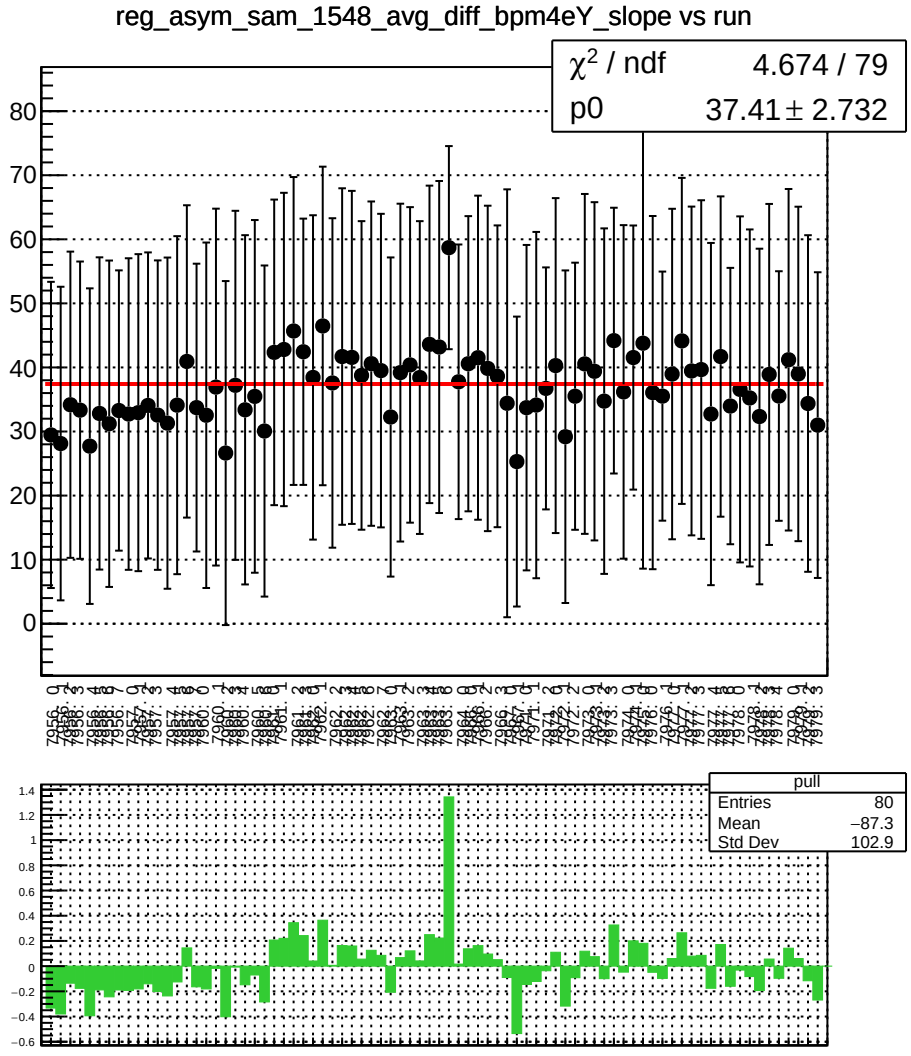

pull1D
Entries 80
Mean 0.04342
Std Dev 0.6701

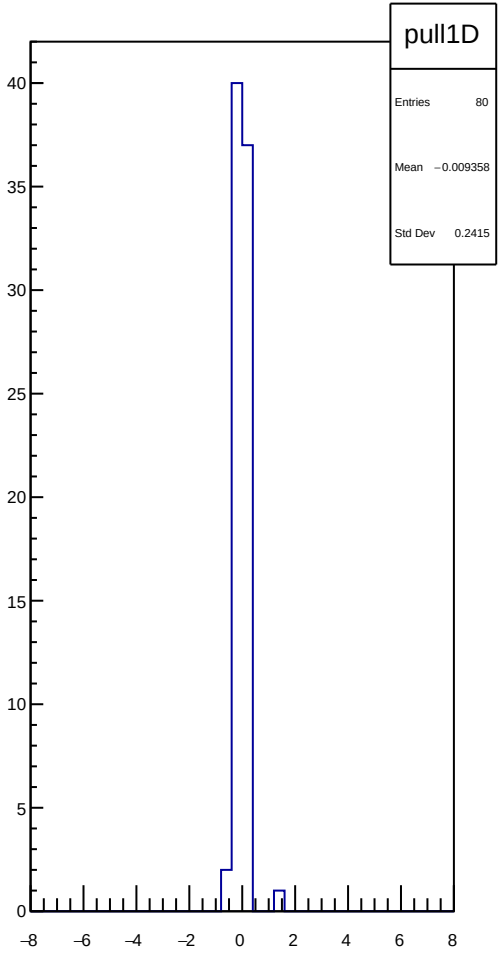

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 6.993 / 79
p0 −35.82 ± 2.307
pull
Entries 80
Mean 12.91
Std Dev 78.4
pull1D
Entries 80
Mean −0.007154
Std Dev 0.2956

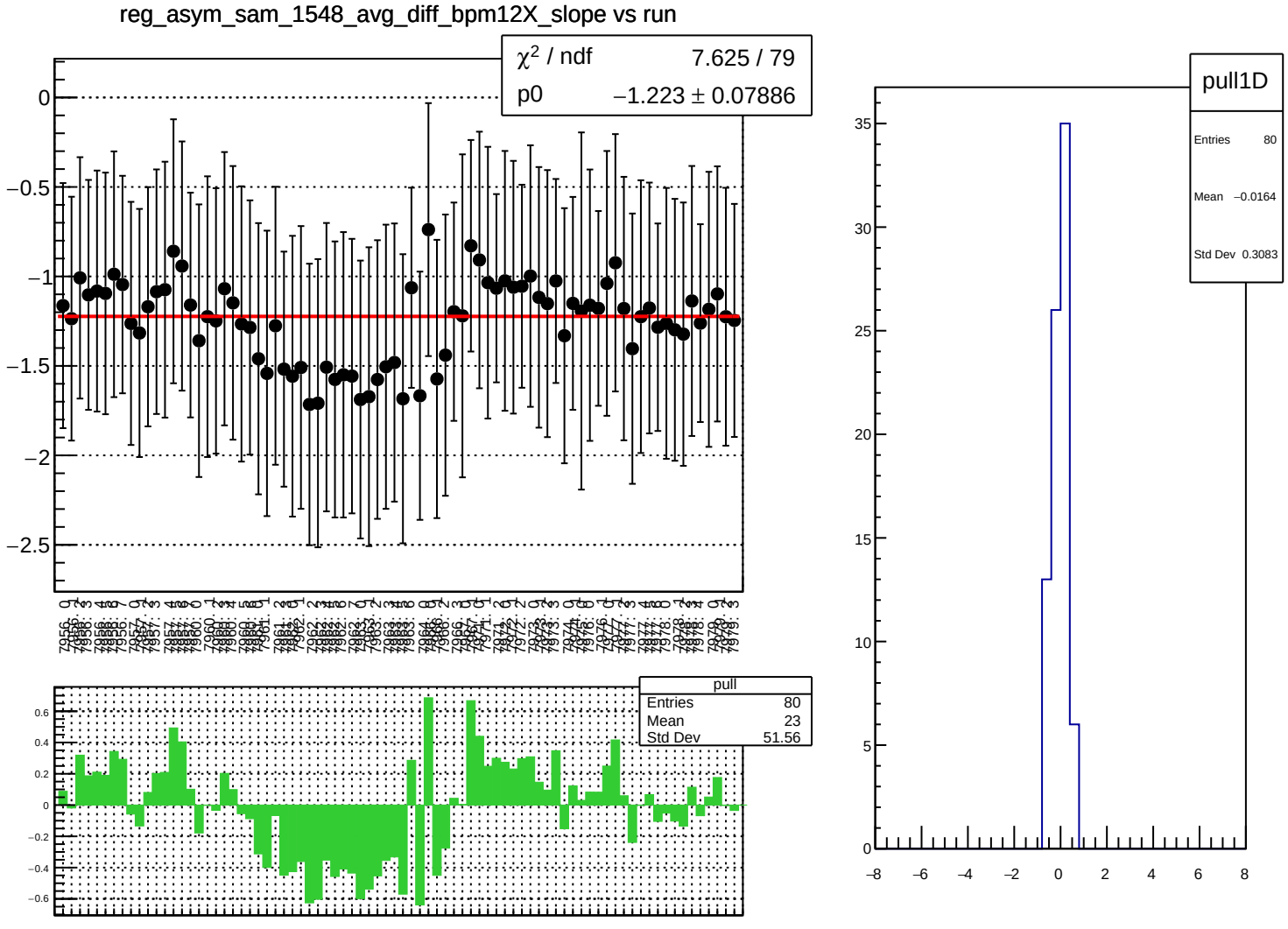

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.833 / 79
p0 46.02 ± 2.385
pull
Entries 80
Mean −16.55
Std Dev 23.98

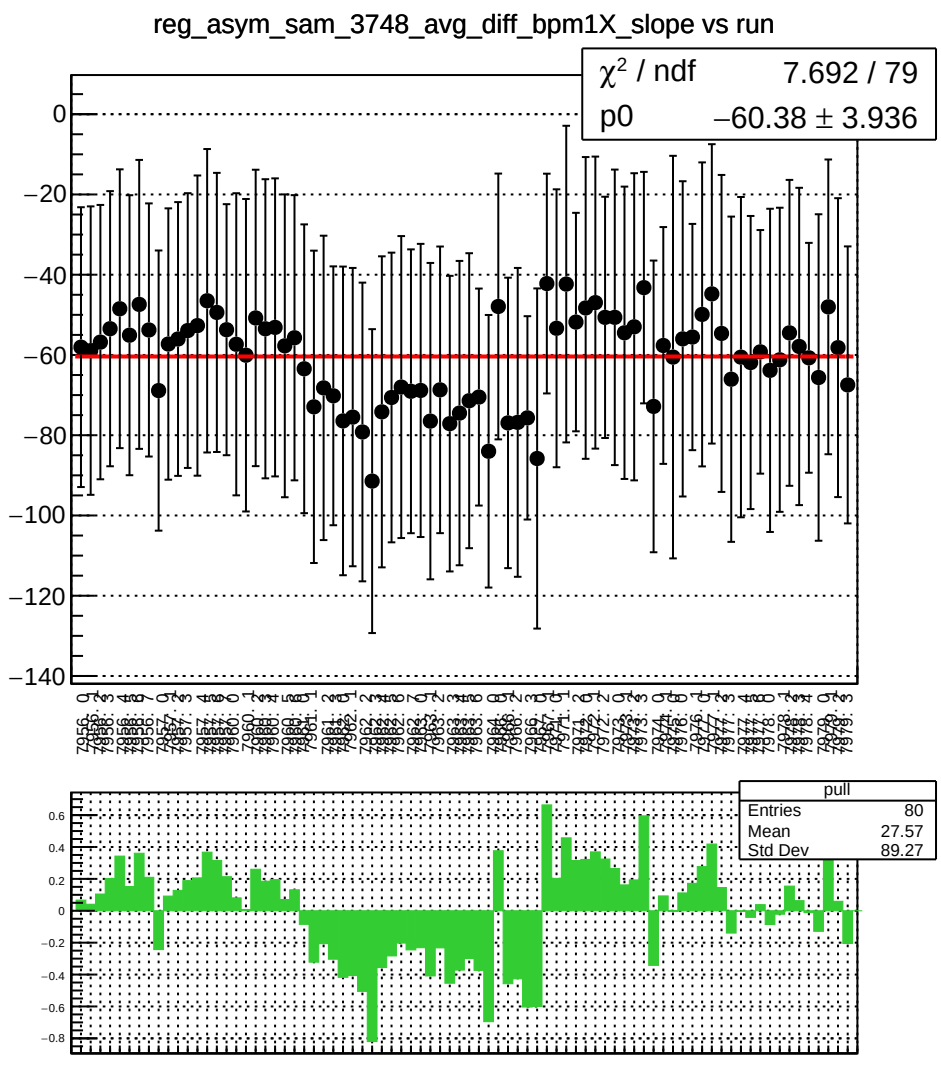

pull1D
Entries 80
Mean 0.01291
Std Dev 0.2455

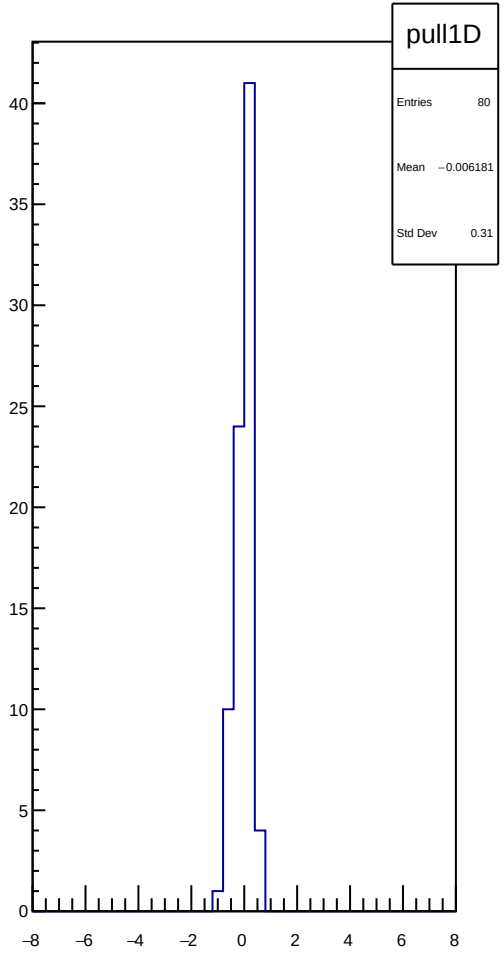

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.209 / 79
p0 −30 ± 2.042
pull
Entries 80
Mean 7491
Std Dev 7453
pull1D
Entries 80
Mean −0.0002254
Std Dev 0.2294

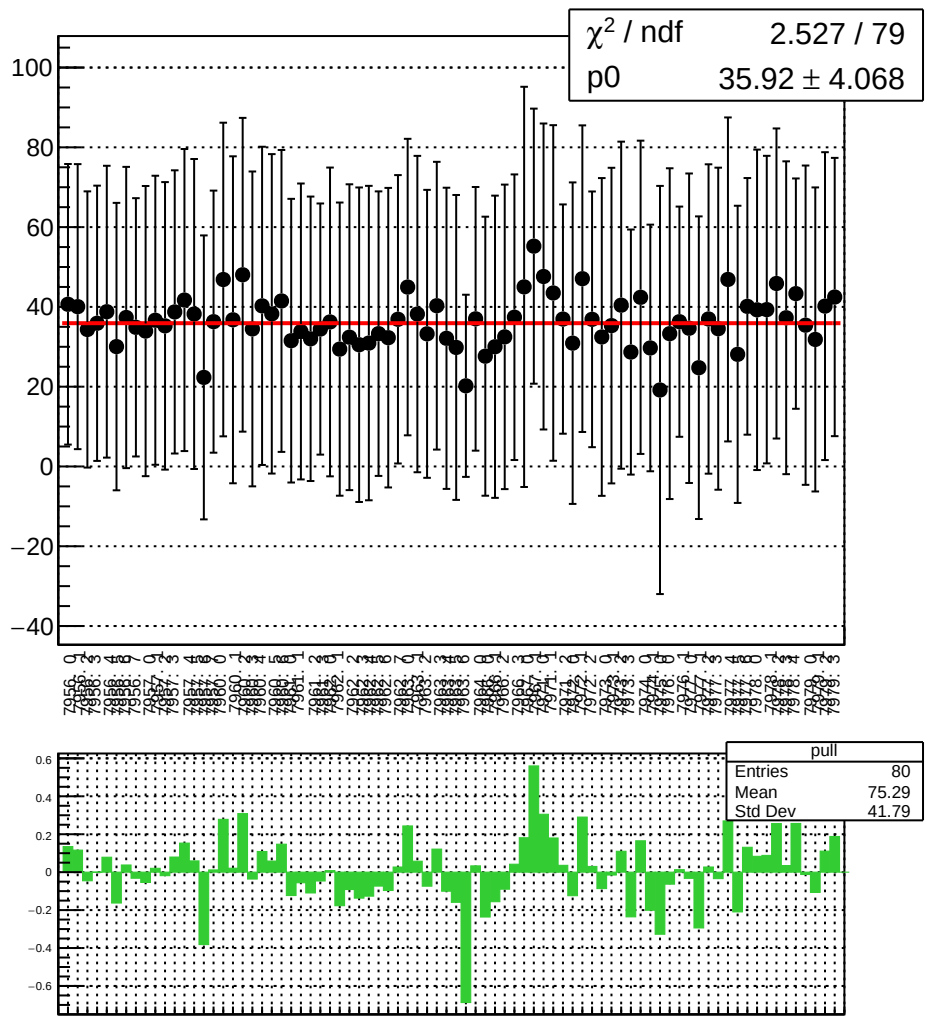

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.674 / 79
p0 37.41 ± 2.732
pull
Entries 80
Mean −87.3
Std Dev 102.9

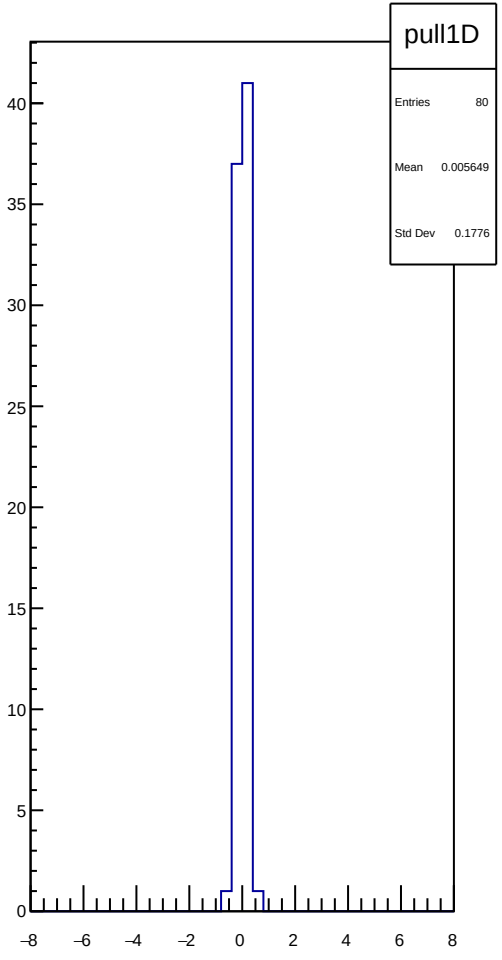

pull1D
Entries 80
Mean −0.009358
Std Dev 0.2415

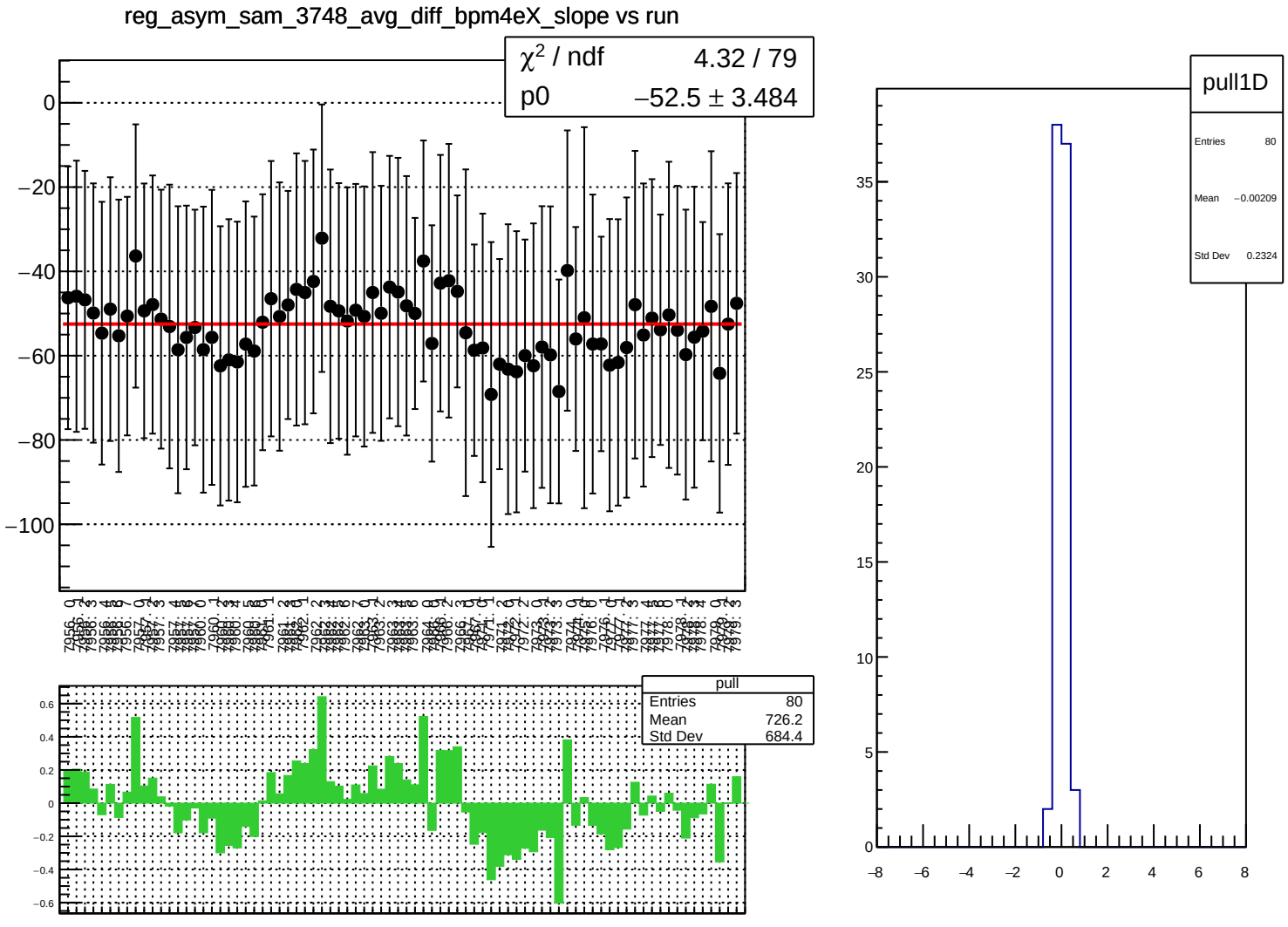

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 7.625 / 79
p0 −1.223 ± 0.07886
pull
Entries 80
Mean 23
Std Dev 51.56
pull1D
Entries 80
Mean −0.0164
Std Dev 0.3083

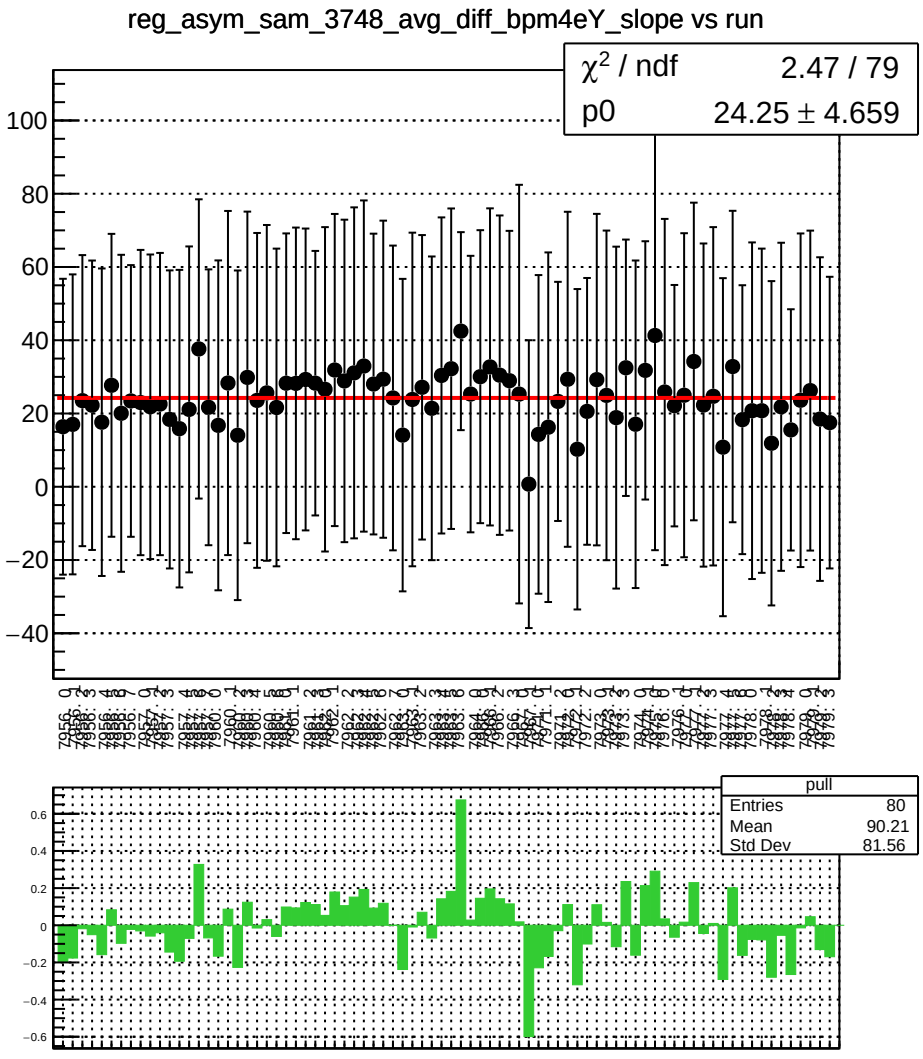

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 7.692 / 79
p0 −60.38 ± 3.936
pull
Entries 80
Mean 27.57
Std Dev 89.27

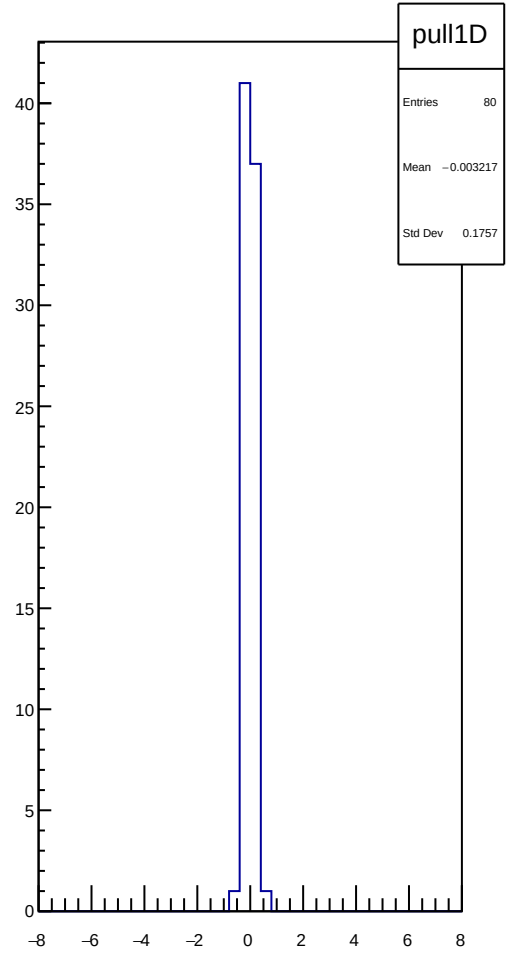

pull1D
Entries 80
Mean −0.006181
Std Dev 0.31

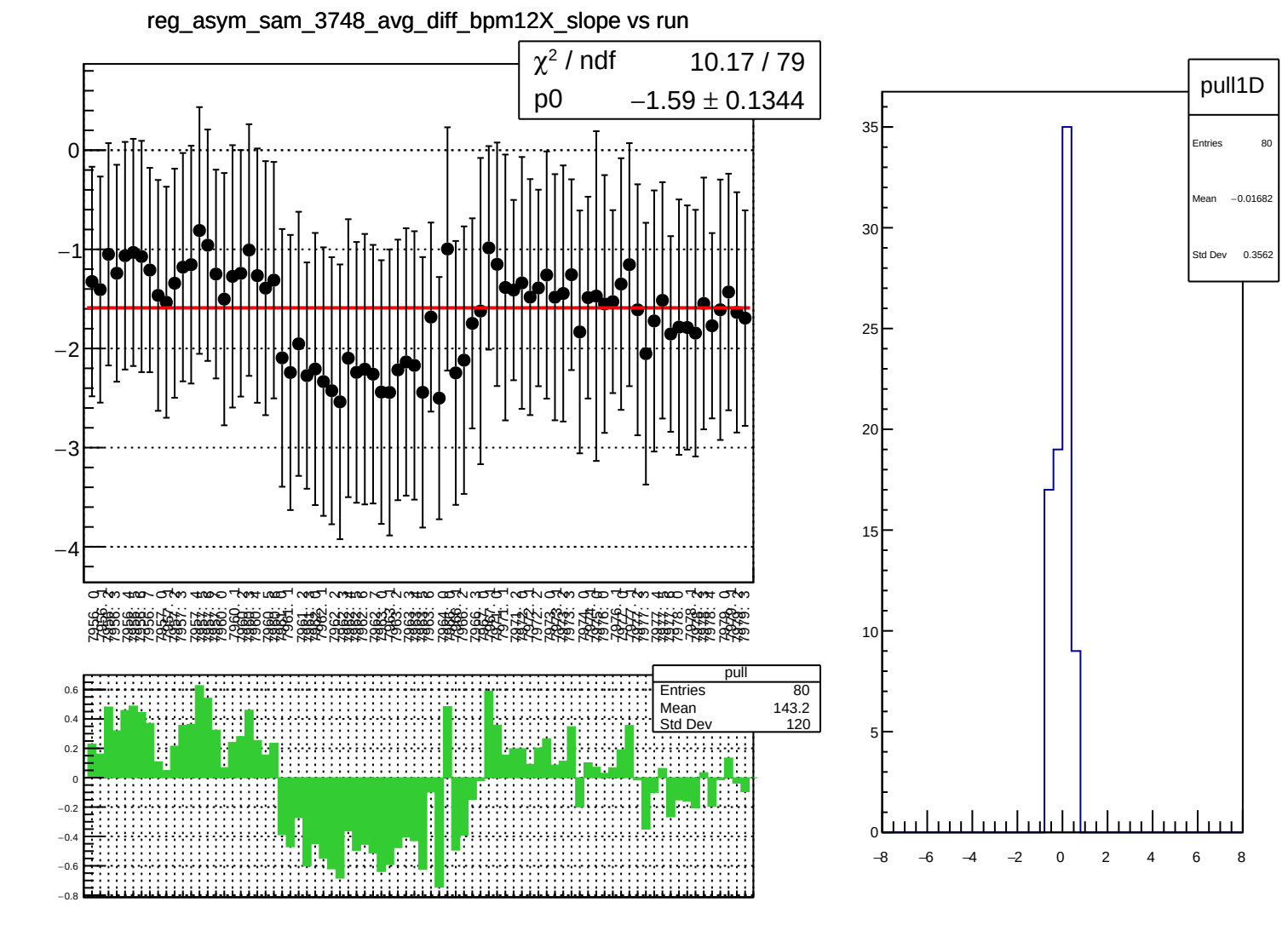

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.527 / 79
p0 35.92 ± 4.068
pull
Entries 80
Mean 75.29
Std Dev 41.79

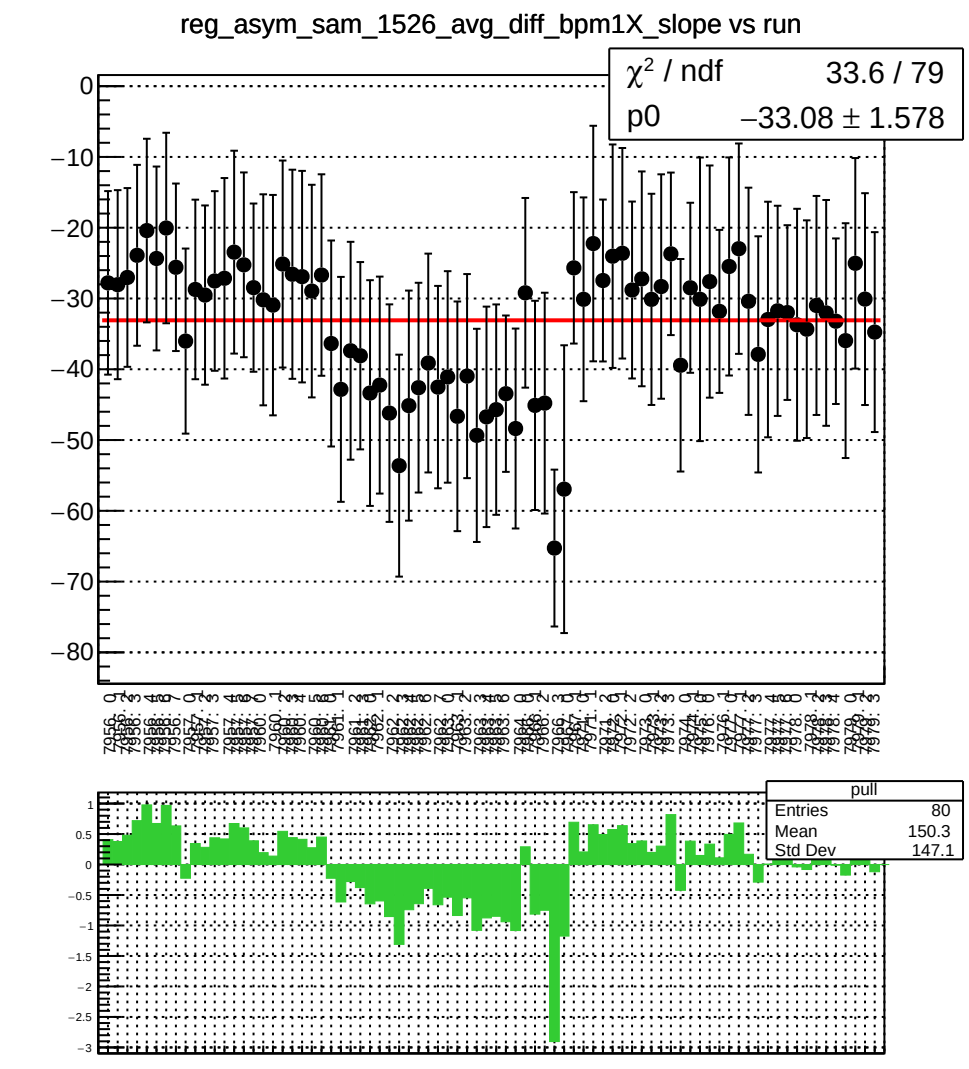

pull1D
Entries 80
Mean 0.005649
Std Dev 0.1776

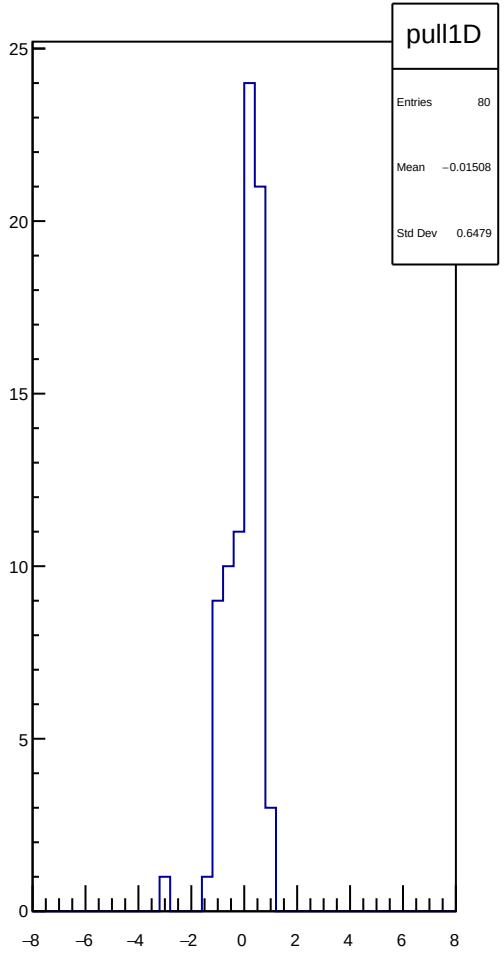

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.32 / 79
p0 −52.5 ± 3.484
pull
Entries 80
Mean 726.2
Std Dev 684.4
pull1D
Entries 80
Mean −0.00209
Std Dev 0.2324

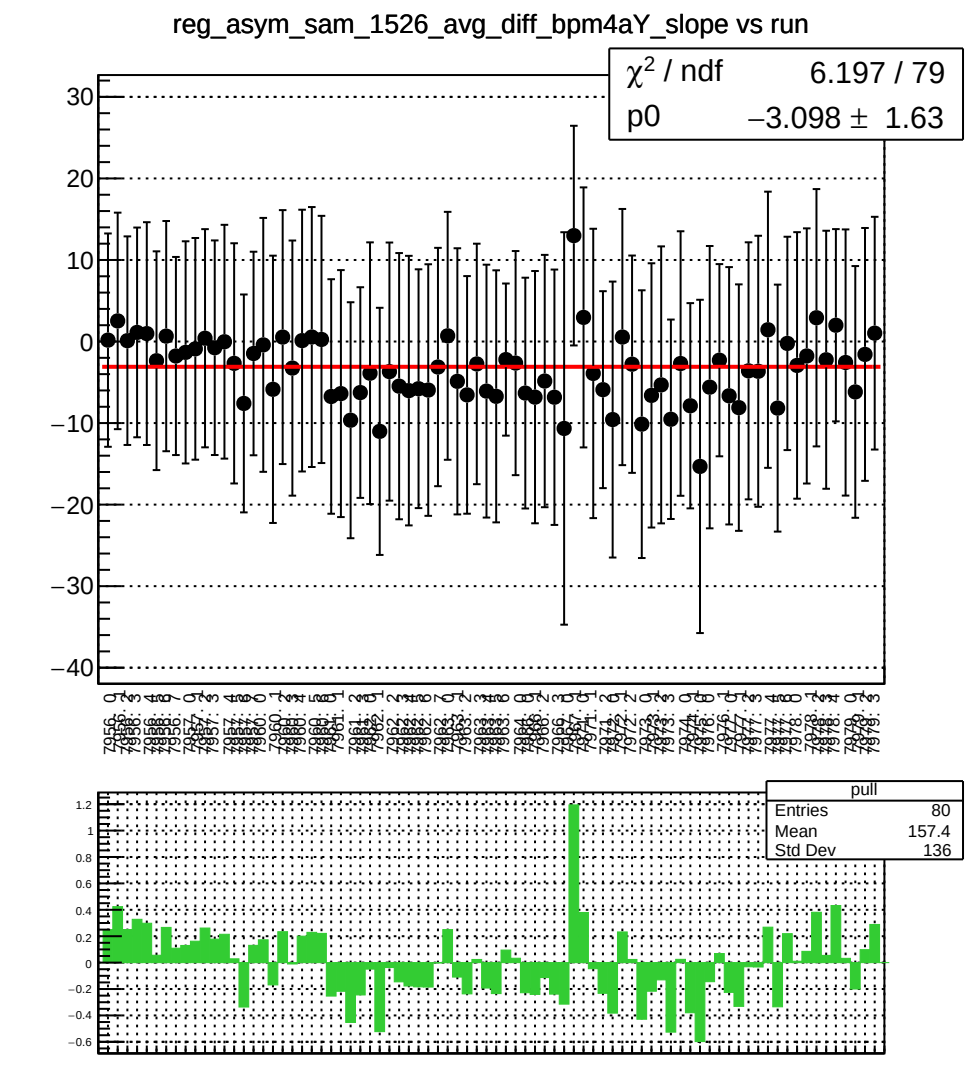

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.47 / 79
p0 24.25 ± 4.659
pull
Entries 80
Mean 90.21
Std Dev 81.56

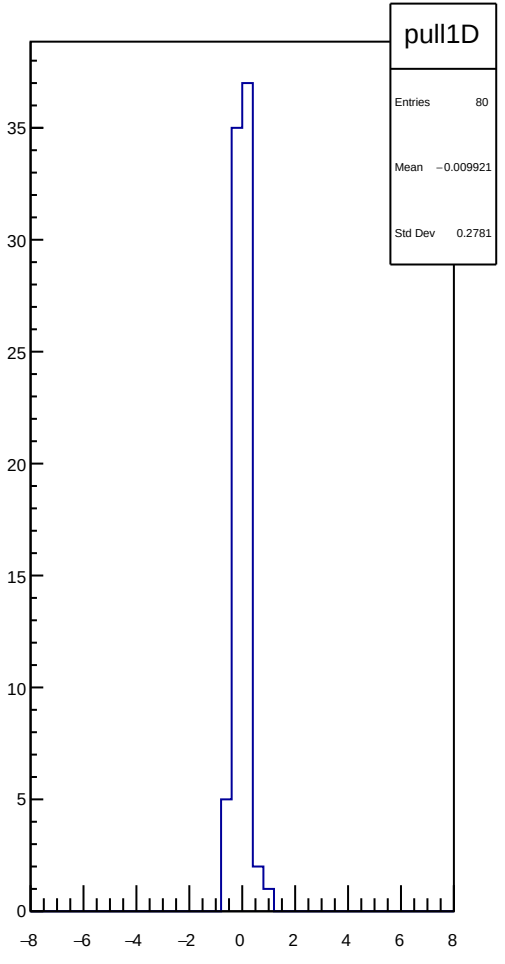

pull1D
Entries 80
Mean −0.003217
Std Dev 0.1757

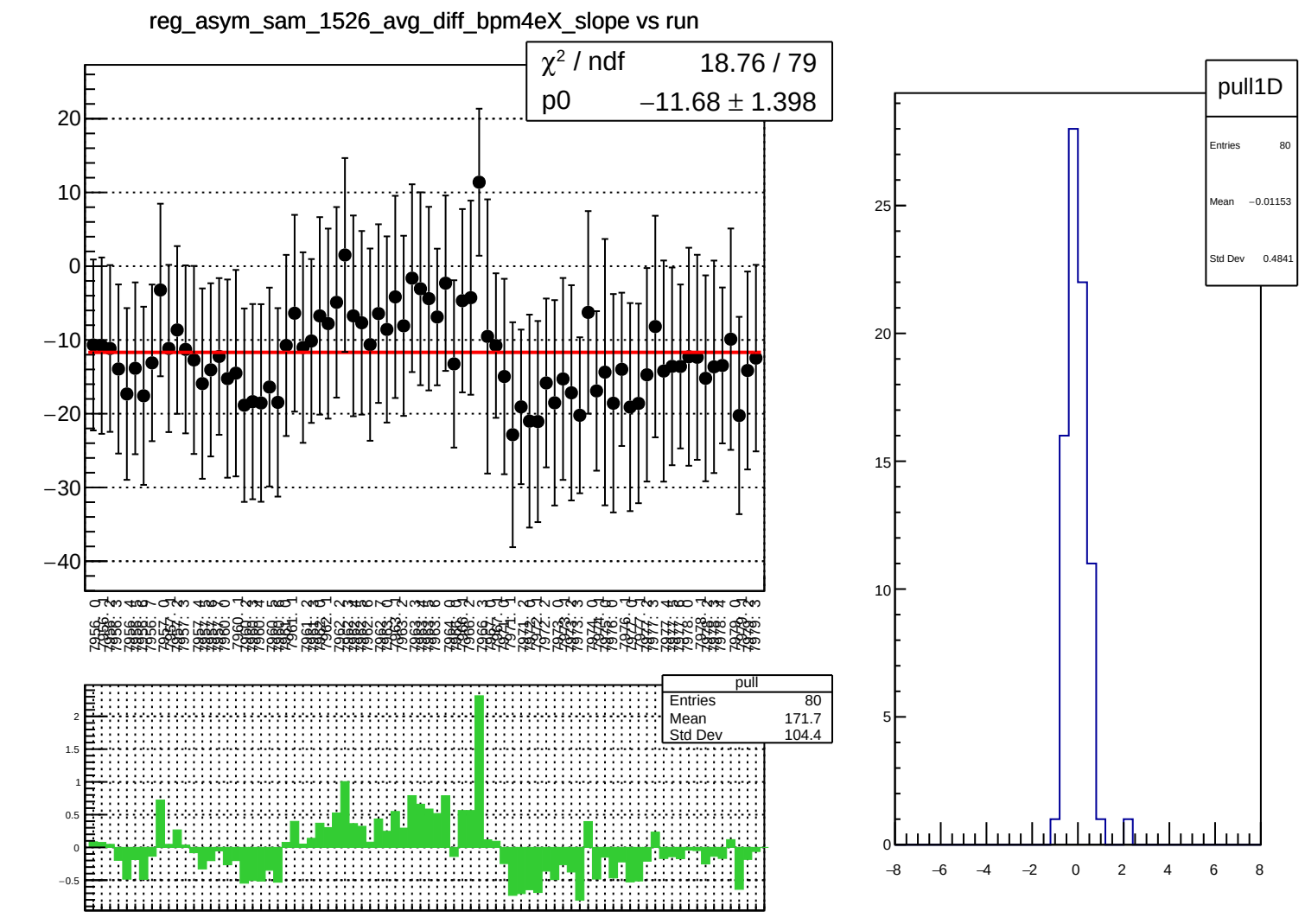

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 10.17 / 79
p0 −1.59 ± 0.1344
pull
Entries 80
Mean 143.2
Std Dev 120
pull1D
Entries 80
Mean −0.01682
Std Dev 0.3562

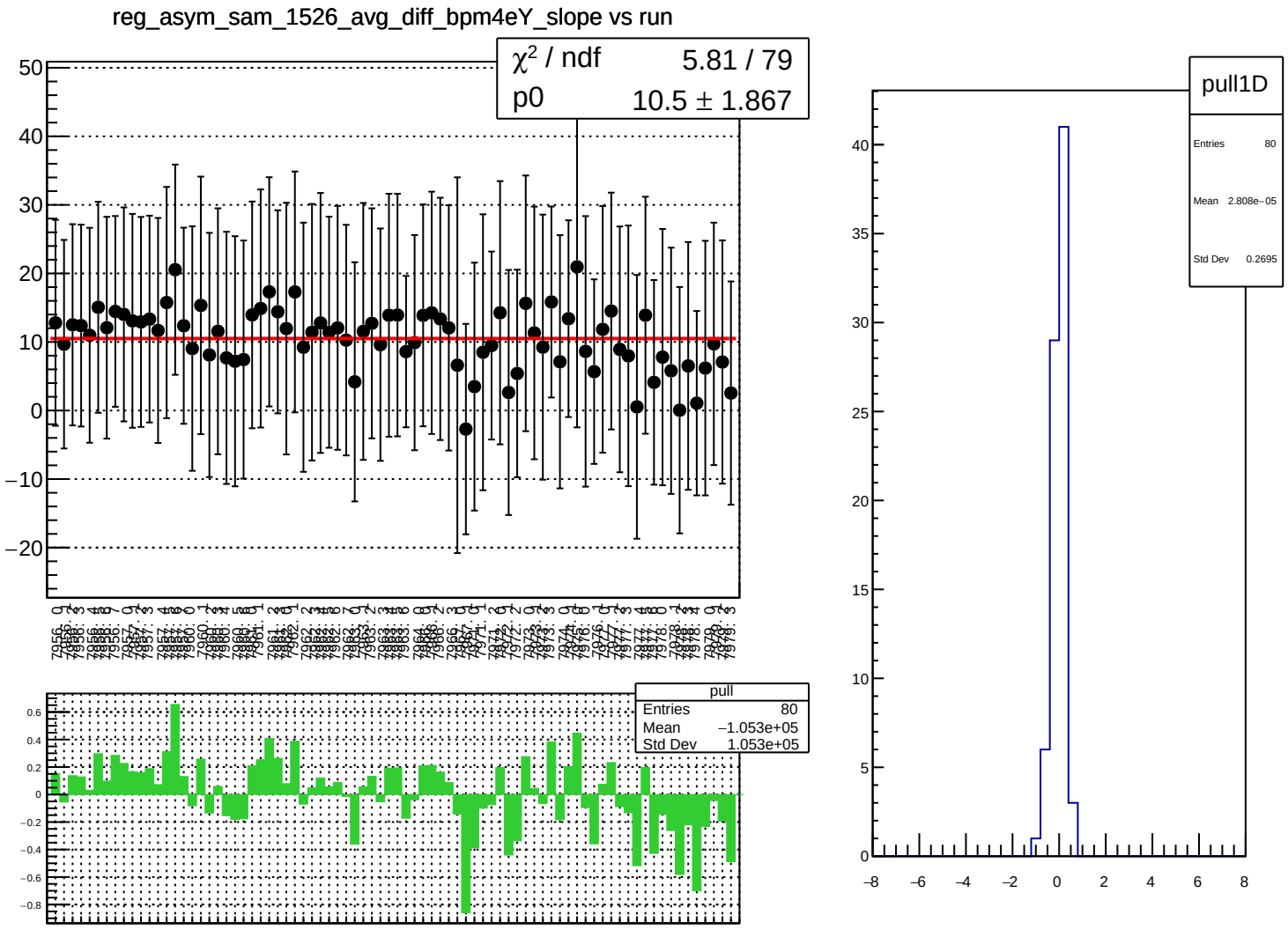

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 33.6 / 79
p0 −33.08 ± 1.578
pull
Entries 80
Mean 150.3
Std Dev 147.1

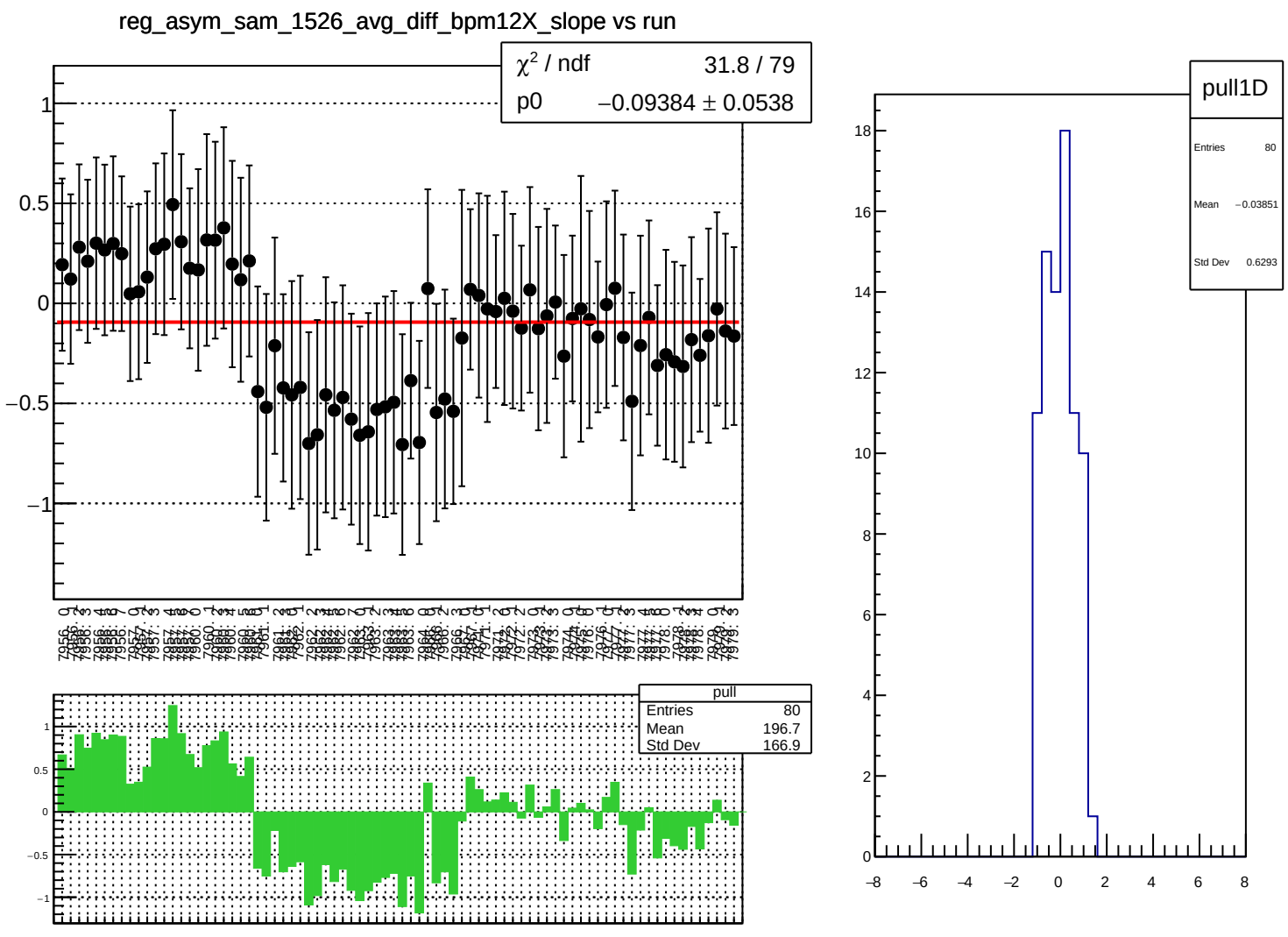

pull1D
Entries 80
Mean −0.01508
Std Dev 0.6479

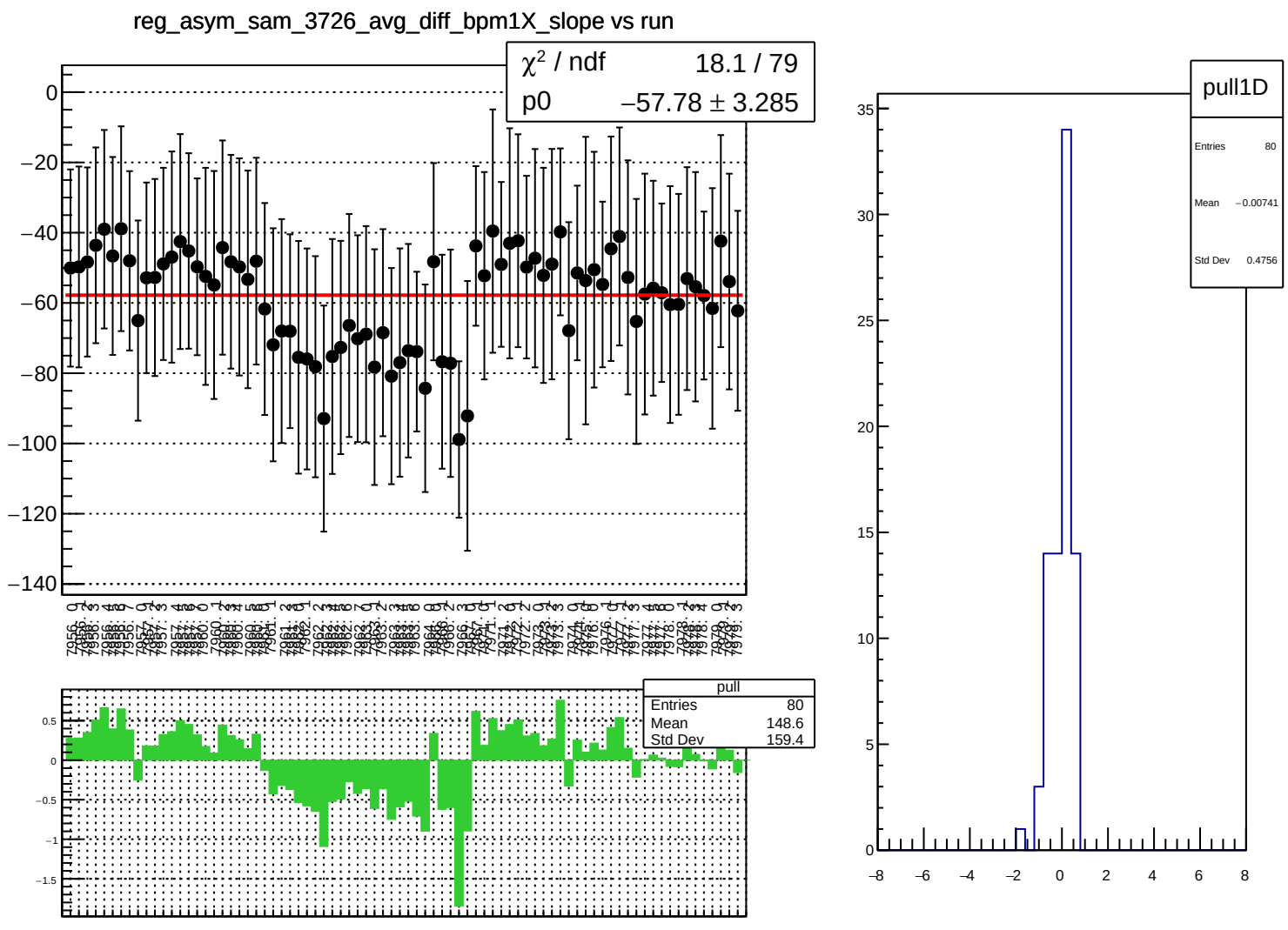

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.197 / 79
p0 −3.098 ± 1.63
pull
Entries 80
Mean 157.4
Std Dev 136

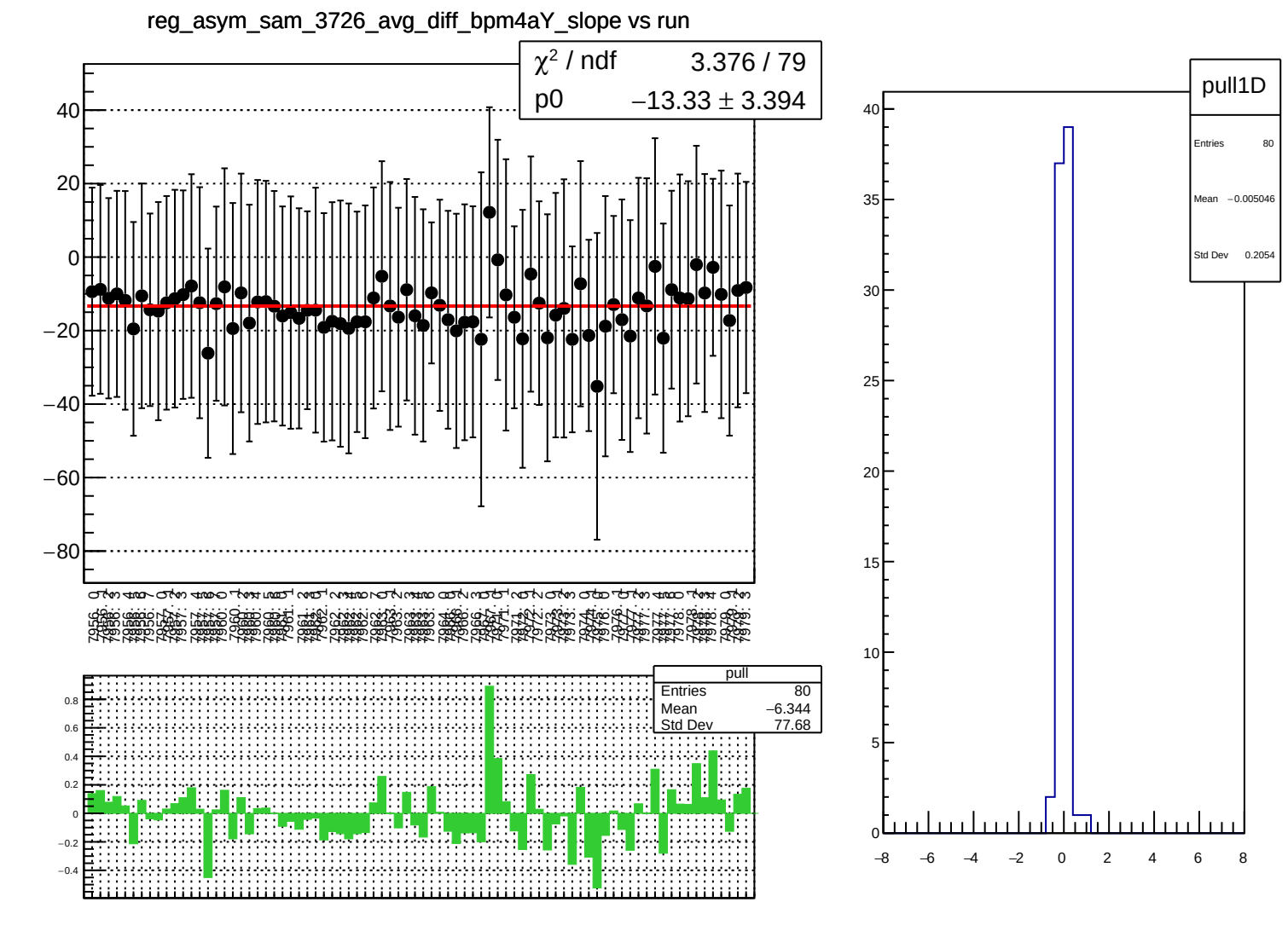

pull1D
Entries 80
Mean −0.009921
Std Dev 0.2781

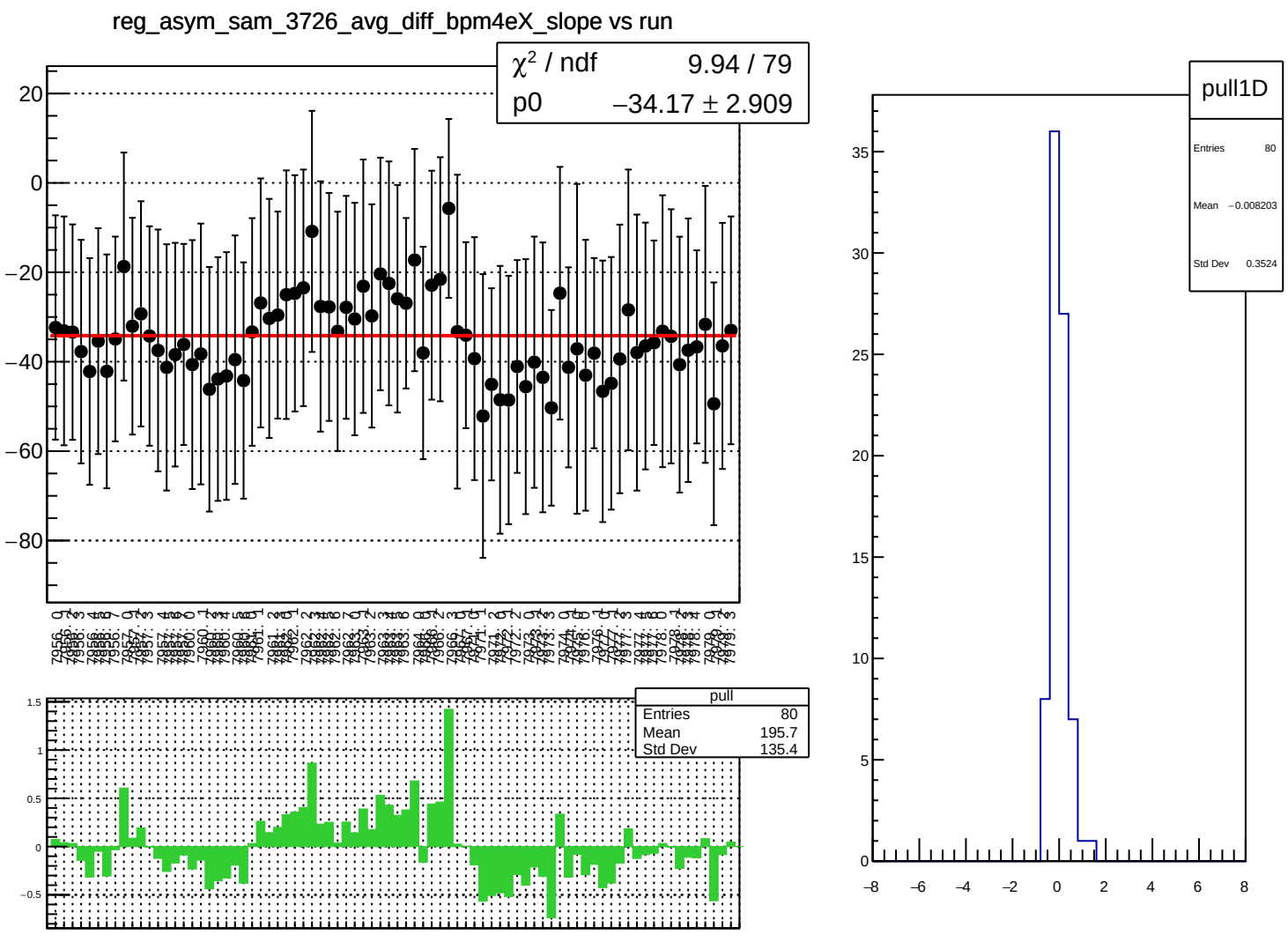

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.76 / 79
p0 −11.68 ± 1.398
pull
Entries 80
Mean 171.7
Std Dev 104.4
pull1D
Entries 80
Mean −0.01153
Std Dev 0.4841

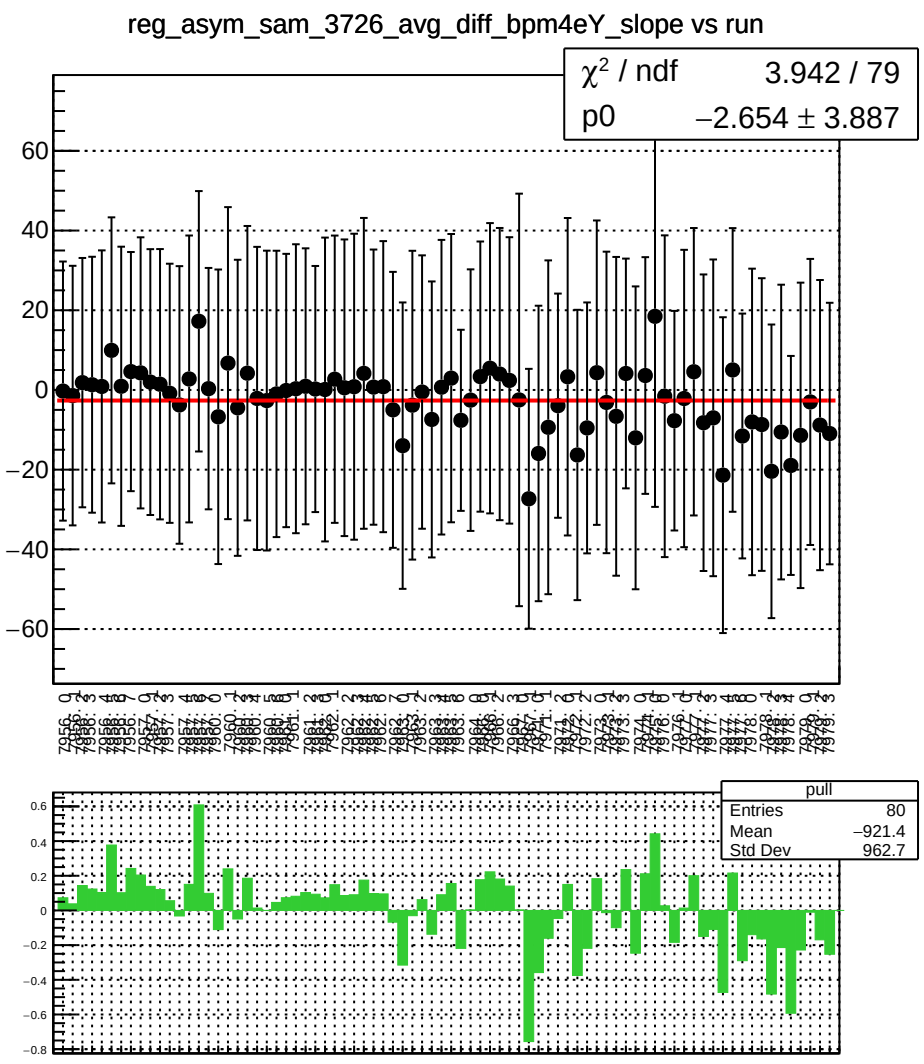

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.81 / 79
p0 10.5 ± 1.867
pull
Entries 80
Mean −1.053e+05
Std Dev 1.053e+05
pull1D
Entries 80
Mean 2.808e−05
Std Dev 0.2695

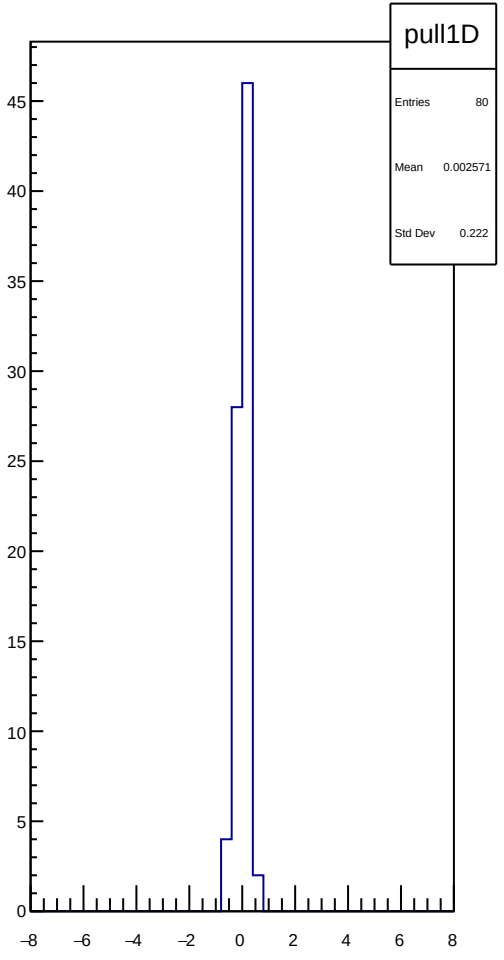

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 31.8 / 79
p0 −0.09384 ± 0.0538
pull
Entries 80
Mean 196.7
Std Dev 166.9
pull1D
Entries 80
Mean −0.03851
Std Dev 0.6293

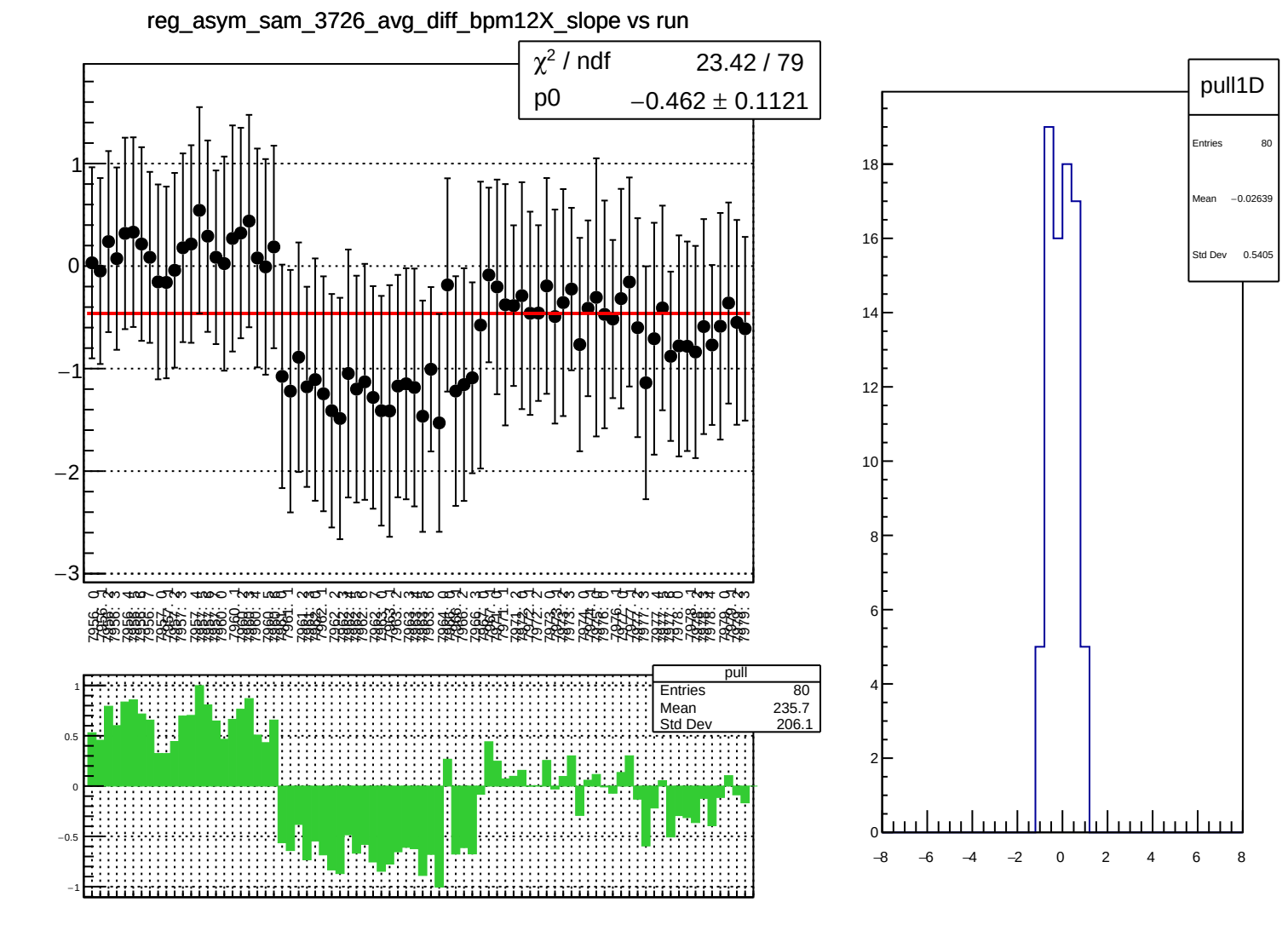

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 18.1 / 79
p0 −57.78 ± 3.285
pull
Entries 80
Mean 148.6
Std Dev 159.4
pull1D
Entries 80
Mean −0.00741
Std Dev 0.4756

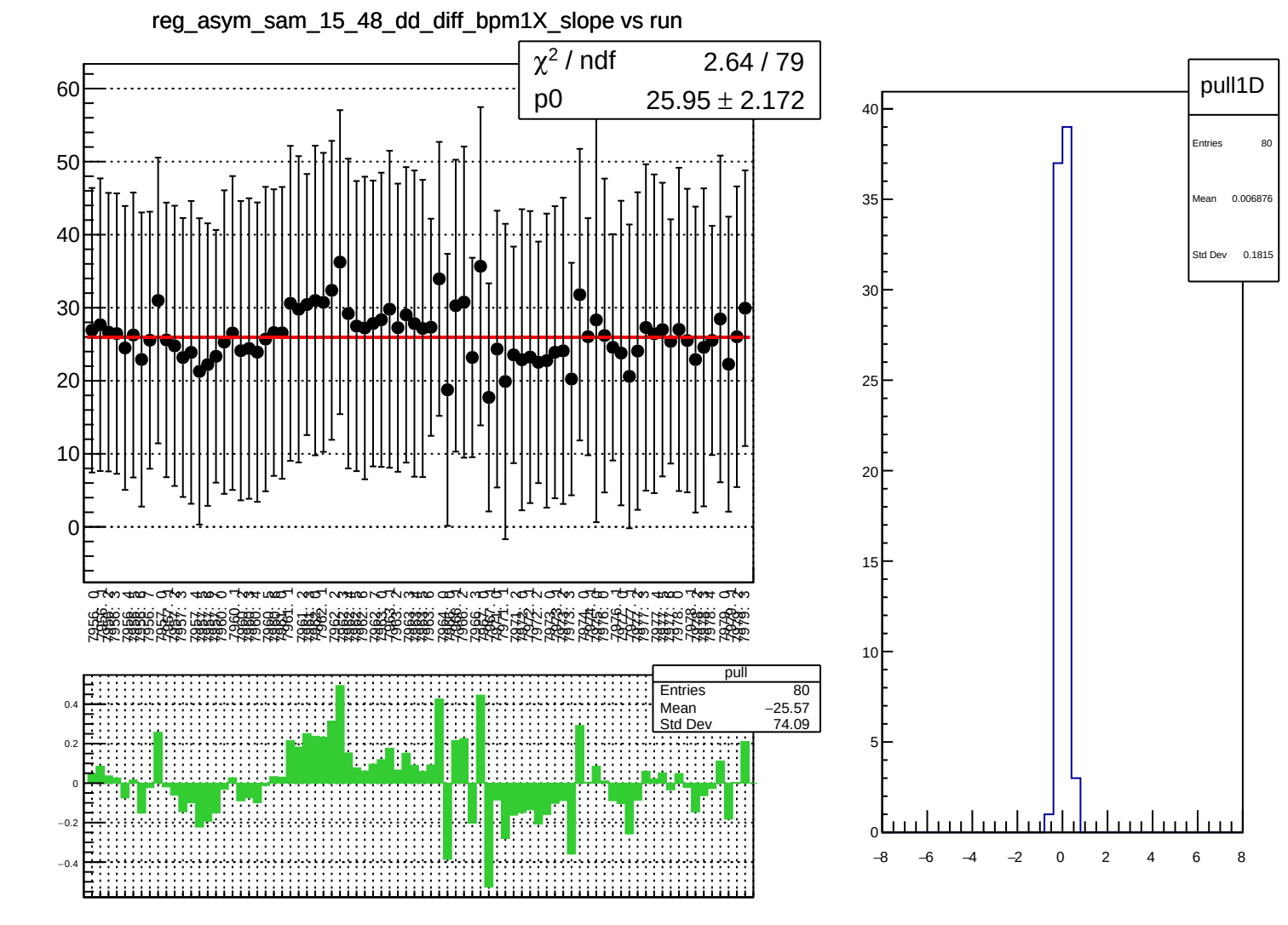

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.376 / 79
p0 −13.33 ± 3.394
pull
Entries 80
Mean −6.344
Std Dev 77.68
pull1D
Entries 80
Mean −0.005046
Std Dev 0.2054

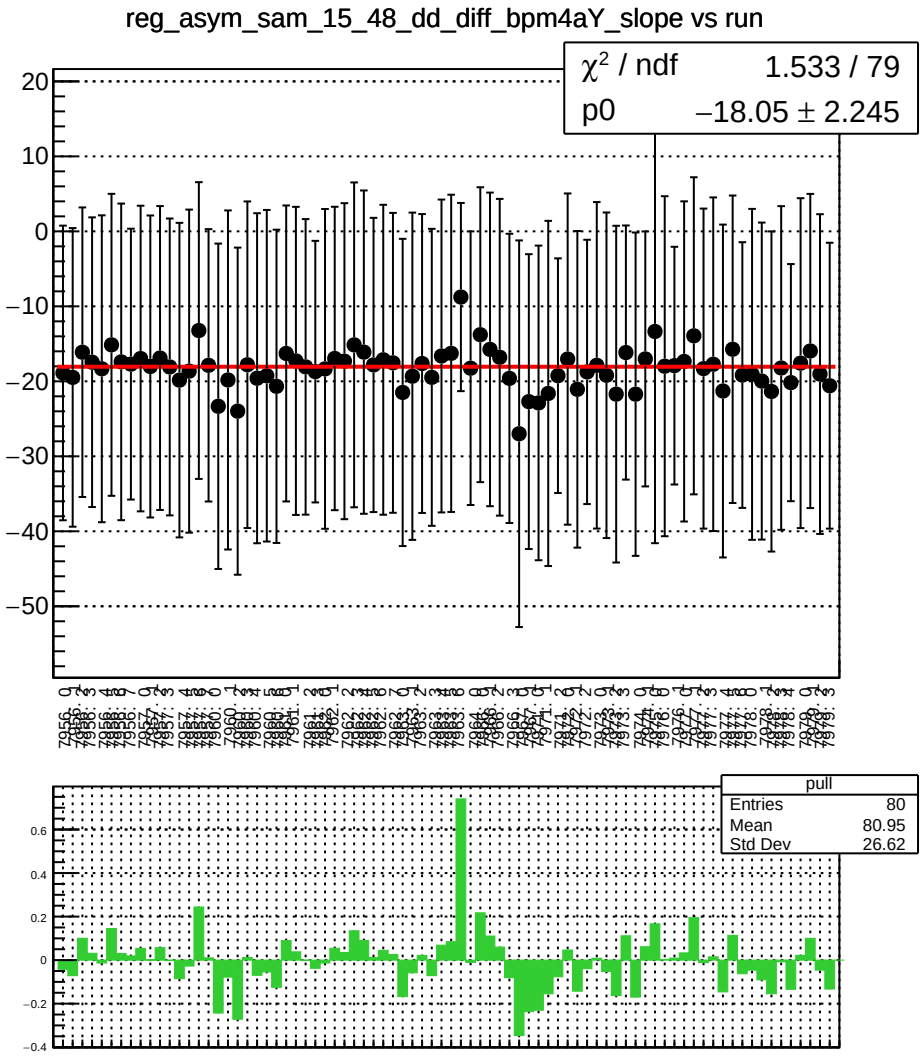

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.94 / 79
p0 −34.17 ± 2.909
pull
Entries 80
Mean 195.7
Std Dev 135.4
pull1D
Entries 80
Mean −0.008203
Std Dev 0.3524

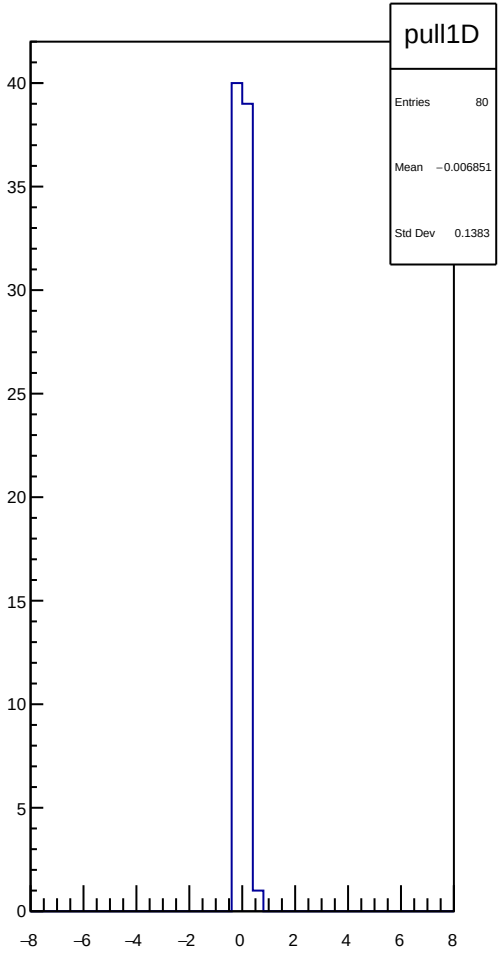

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.942 / 79
p0 −2.654 ± 3.887
pull
Entries 80
Mean −921.4
Std Dev 962.7

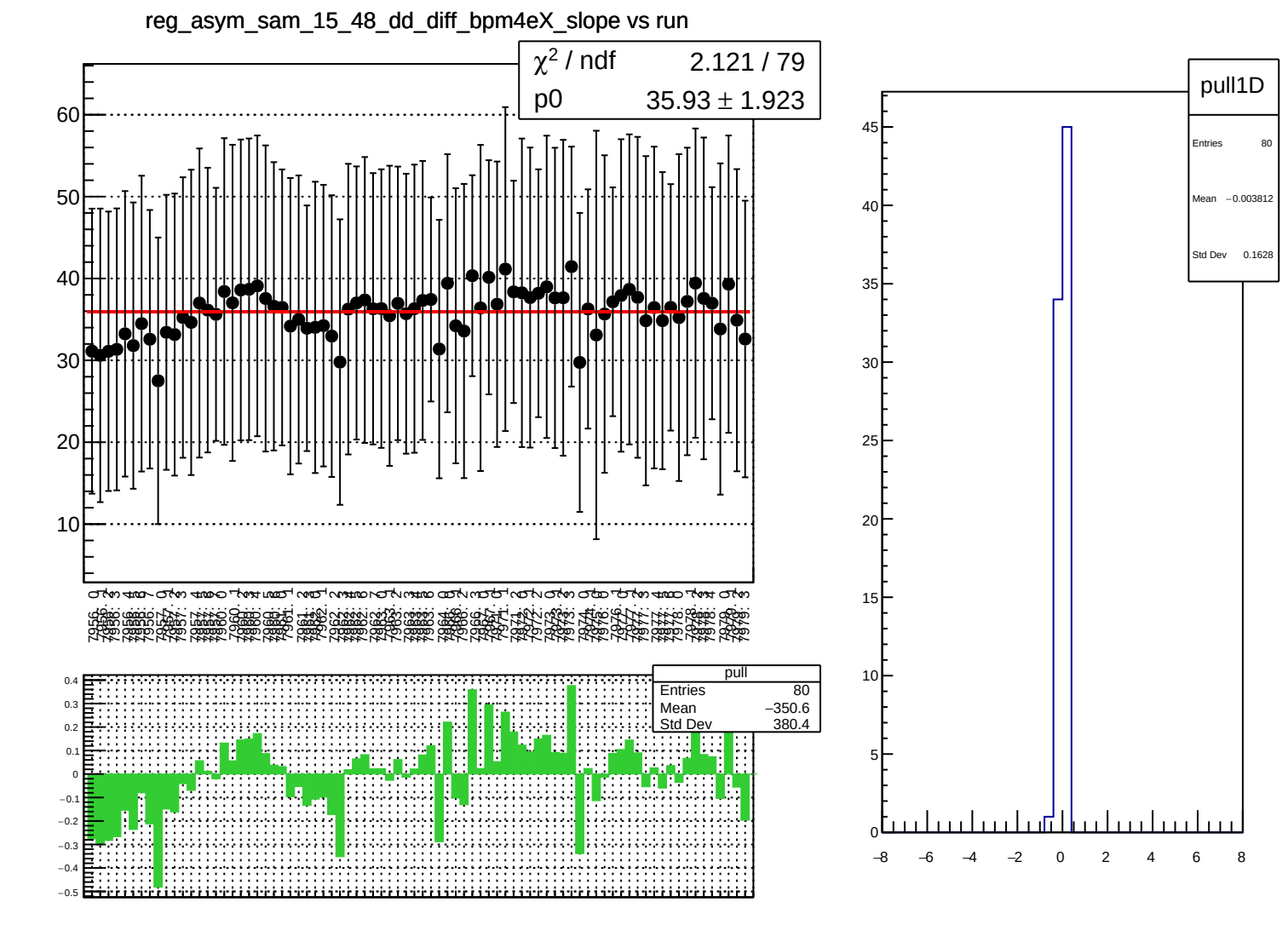

pull1D
Entries 80
Mean 0.002571
Std Dev 0.222

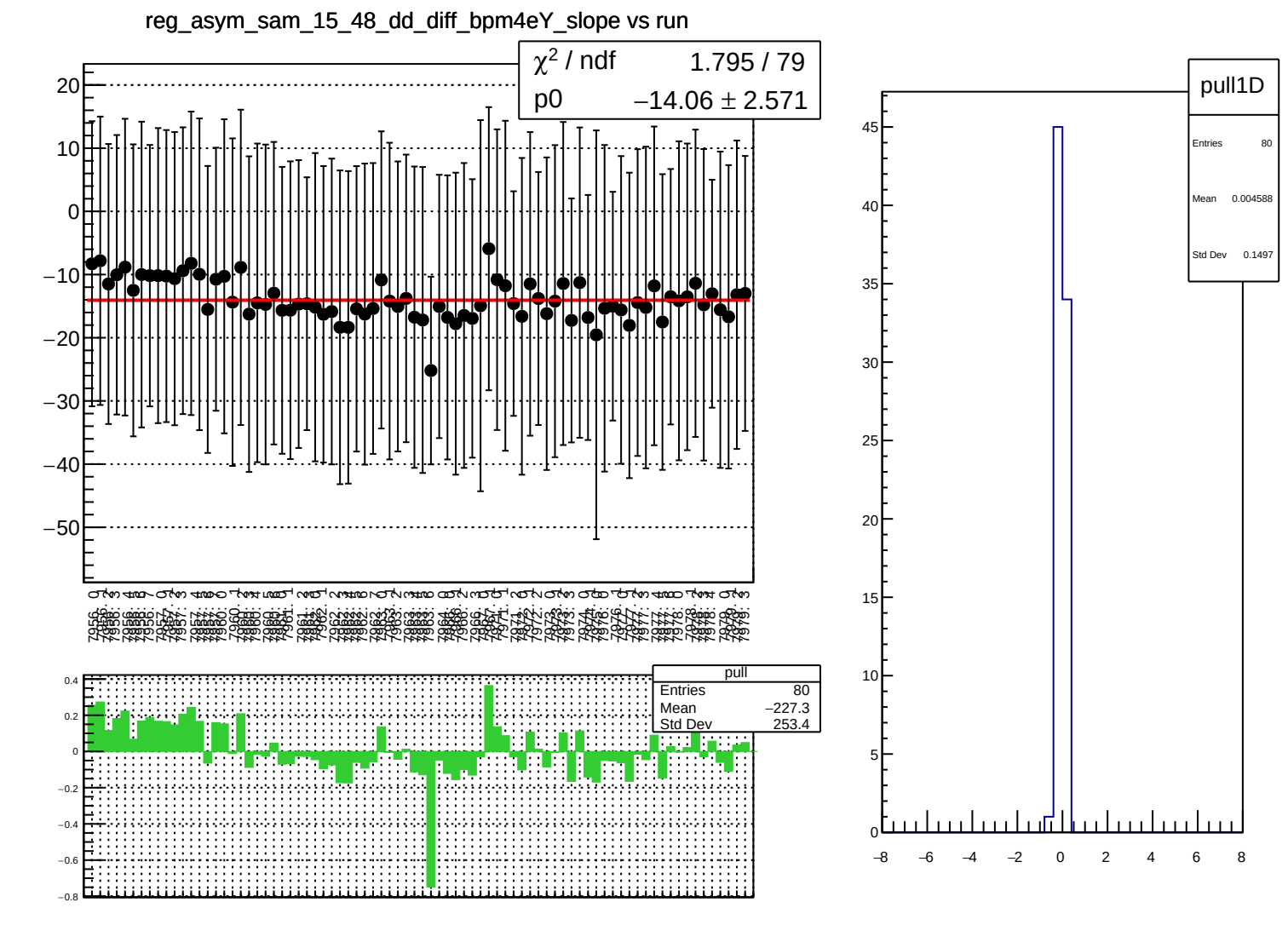

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 23.42 / 79
p0 −0.462 ± 0.1121
pull
Entries 80
Mean 235.7
Std Dev 206.1
pull1D
Entries 80
Mean −0.02639
Std Dev 0.5405

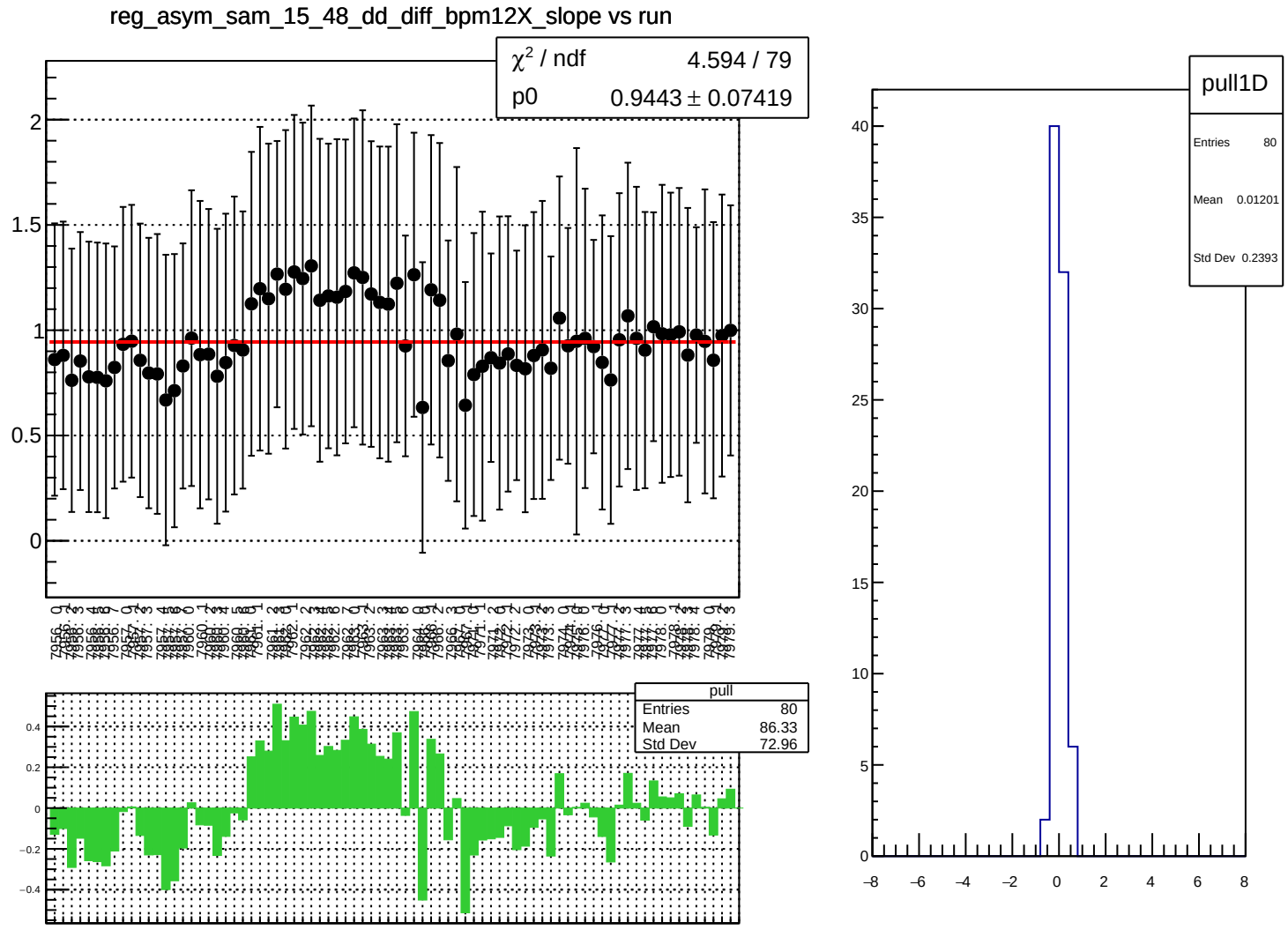

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.64 / 79
p0 25.95 ± 2.172
pull
Entries 80
Mean −25.57
Std Dev 74.09
pull1D
Entries 80
Mean 0.006876
Std Dev 0.1815

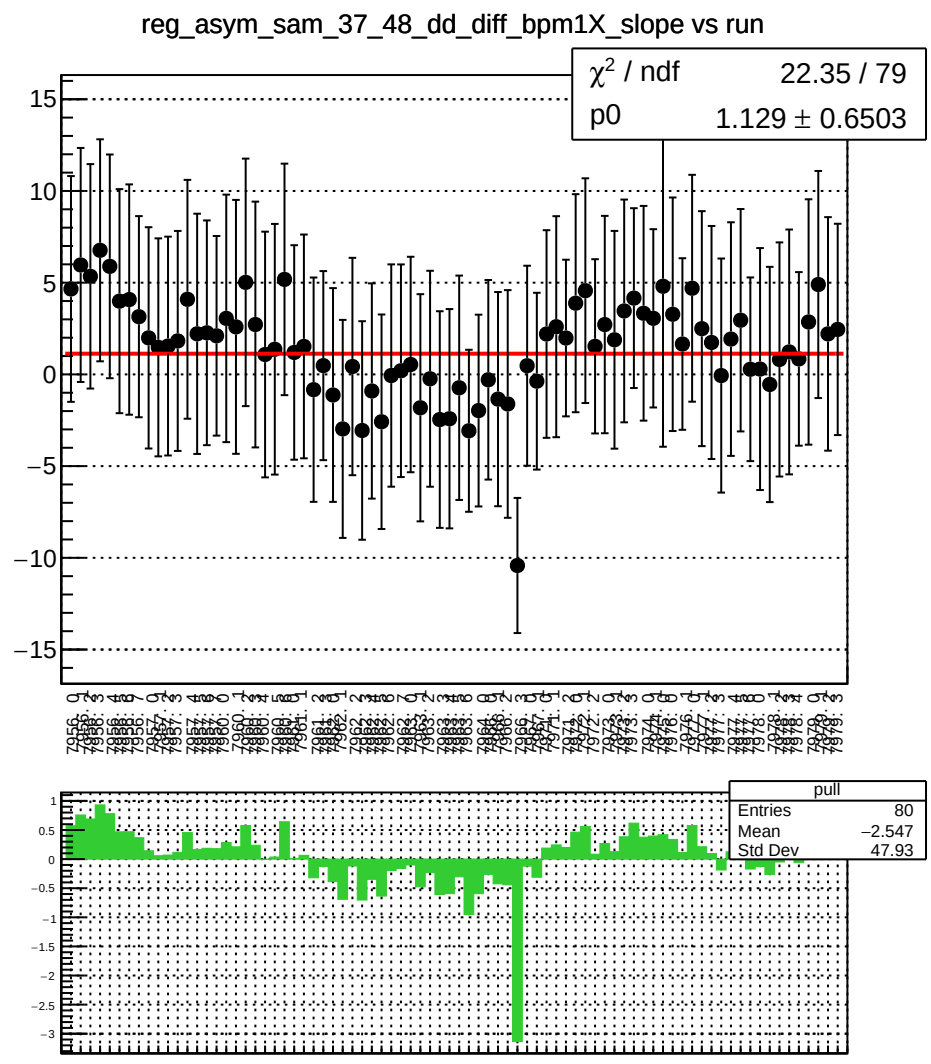

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.533 / 79
p0 −18.05 ± 2.245
pull
Entries 80
Mean 80.95
Std Dev 26.62

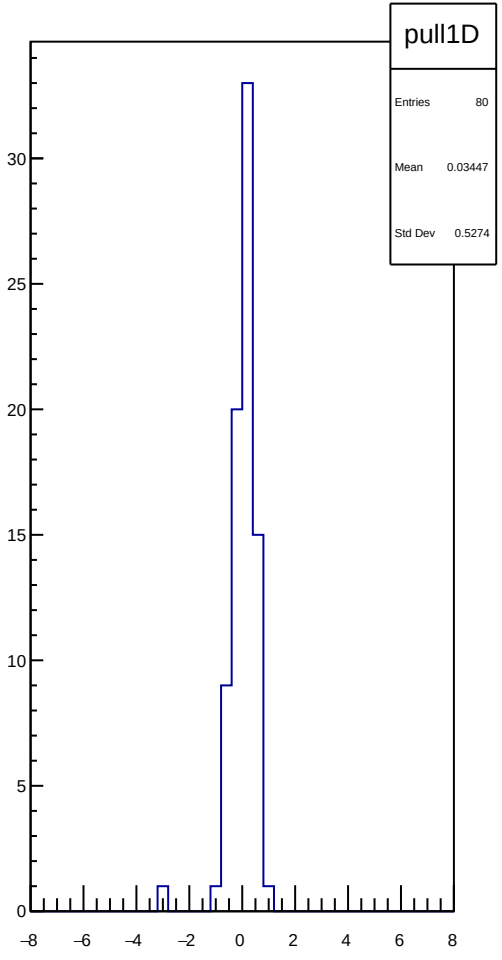

pull1D
Entries 80
Mean −0.006851
Std Dev 0.1383

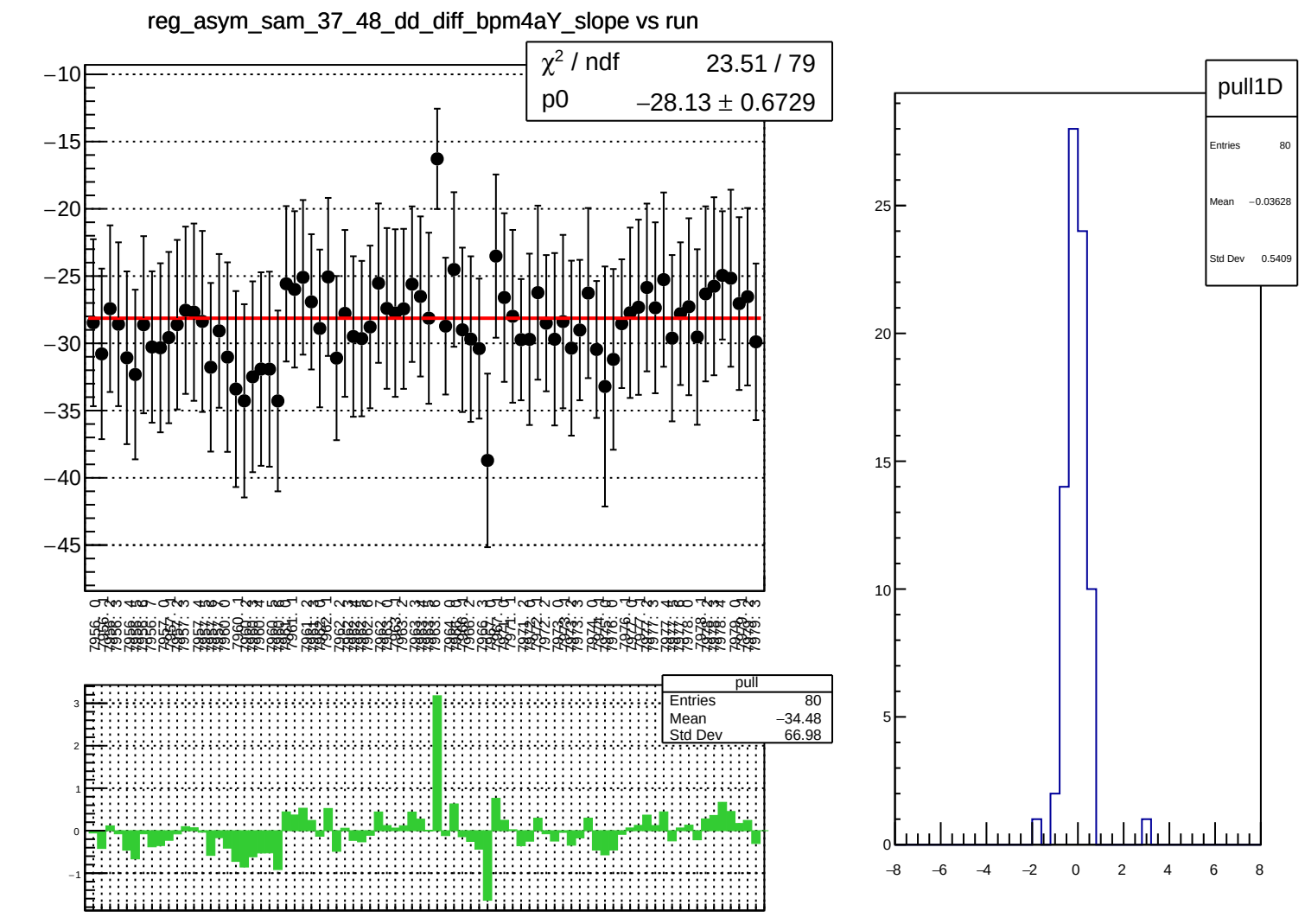

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.121 / 79
p0 35.93 ± 1.923
pull
Entries 80
Mean −350.6
Std Dev 380.4
pull1D
Entries 80
Mean −0.003812
Std Dev 0.1628

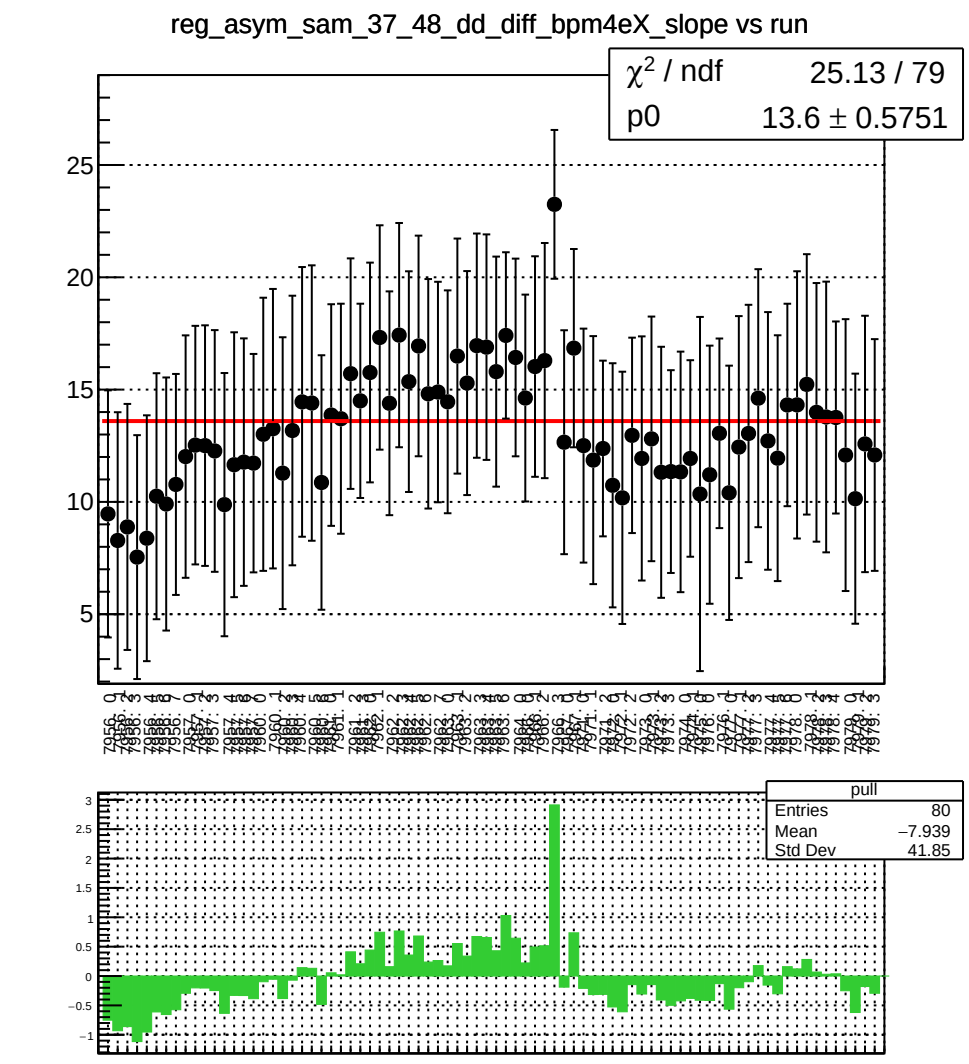

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.795 / 79
p0 −14.06 ± 2.571
pull
Entries 80
Mean −227.3
Std Dev 253.4
pull1D
Entries 80
Mean 0.004588
Std Dev 0.1497

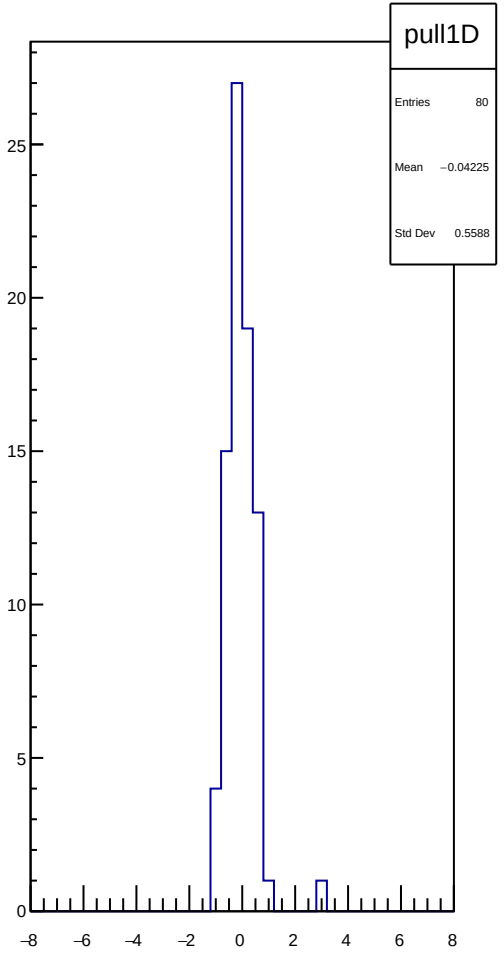

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.594 / 79
p0 0.9443 ± 0.07419
pull
Entries 80
Mean 86.33
Std Dev 72.96
pull1D
Entries 80
Mean 0.01201
Std Dev 0.2393

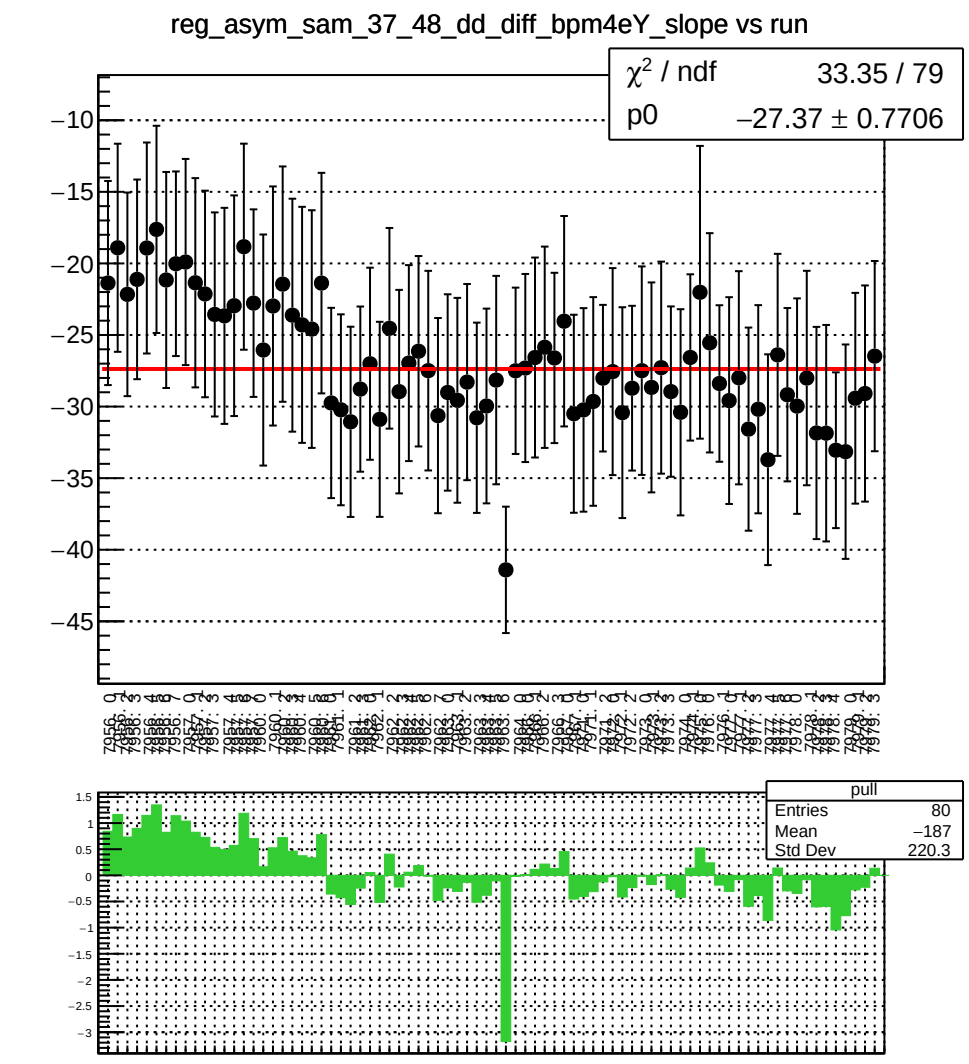

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 22.35 / 79
p0 1.129 ± 0.6503
pull
Entries 80
Mean −2.547
Std Dev 47.93

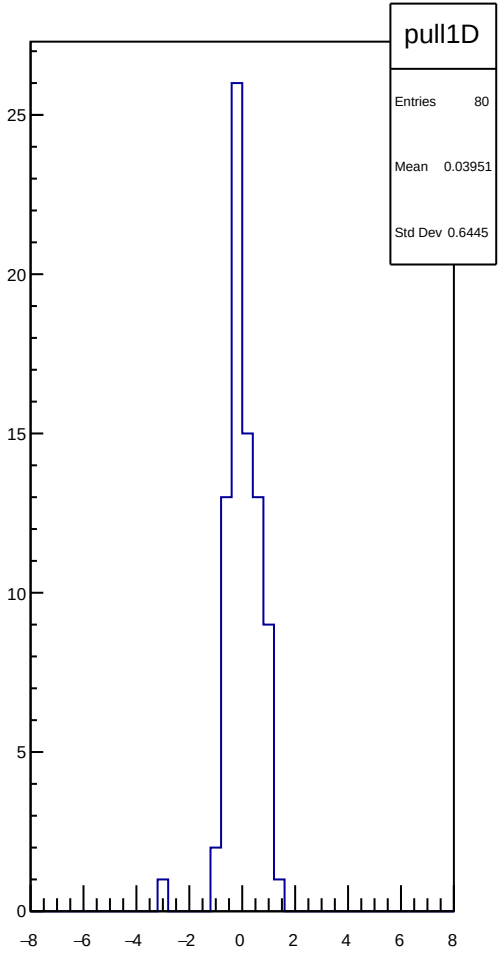

pull1D
Entries 80
Mean 0.03447
Std Dev 0.5274

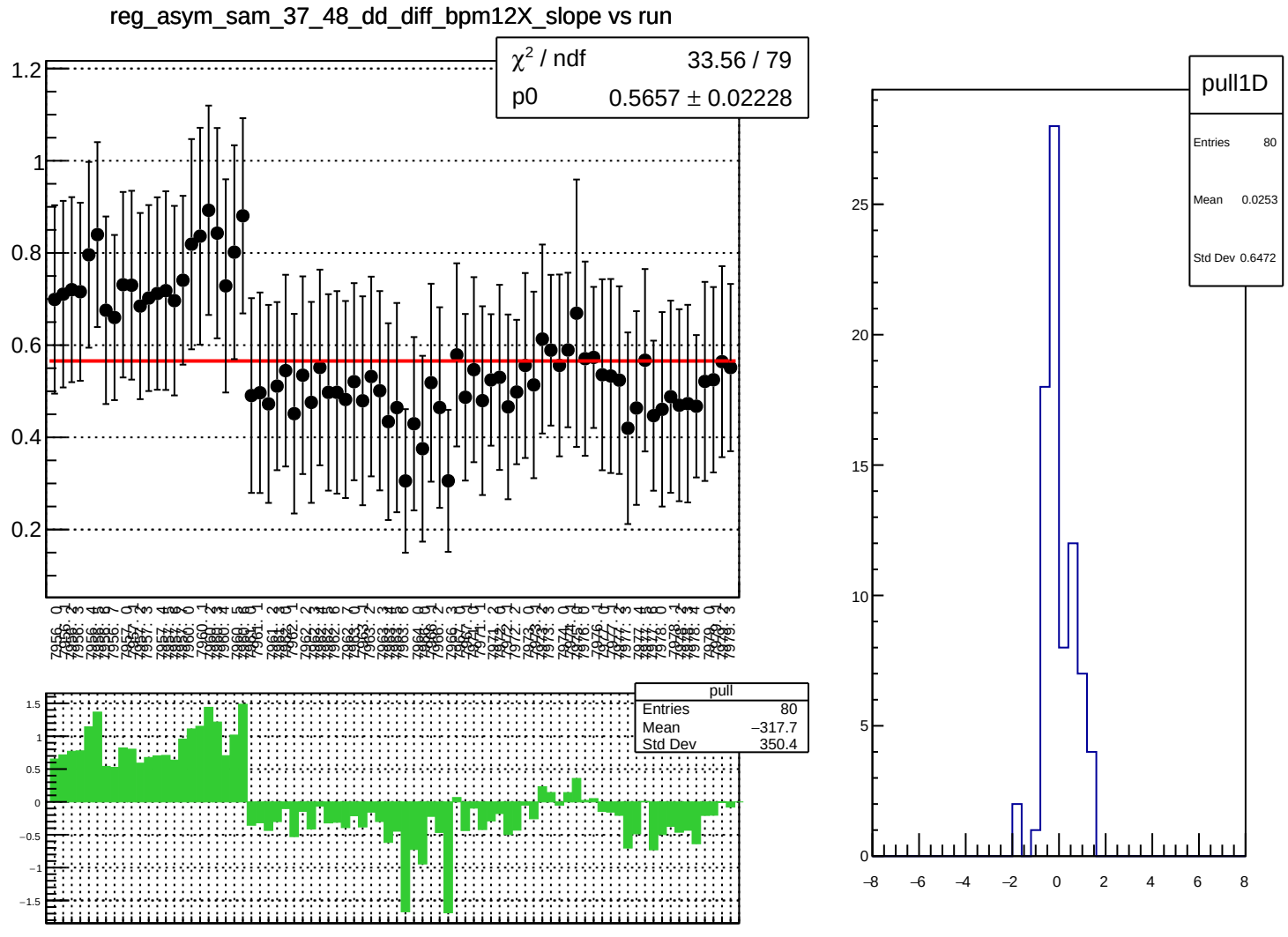

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.51 / 79
p0 −28.13 ± 0.6729
pull
Entries 80
Mean −34.48
Std Dev 66.98
pull1D
Entries 80
Mean −0.03628
Std Dev 0.5409

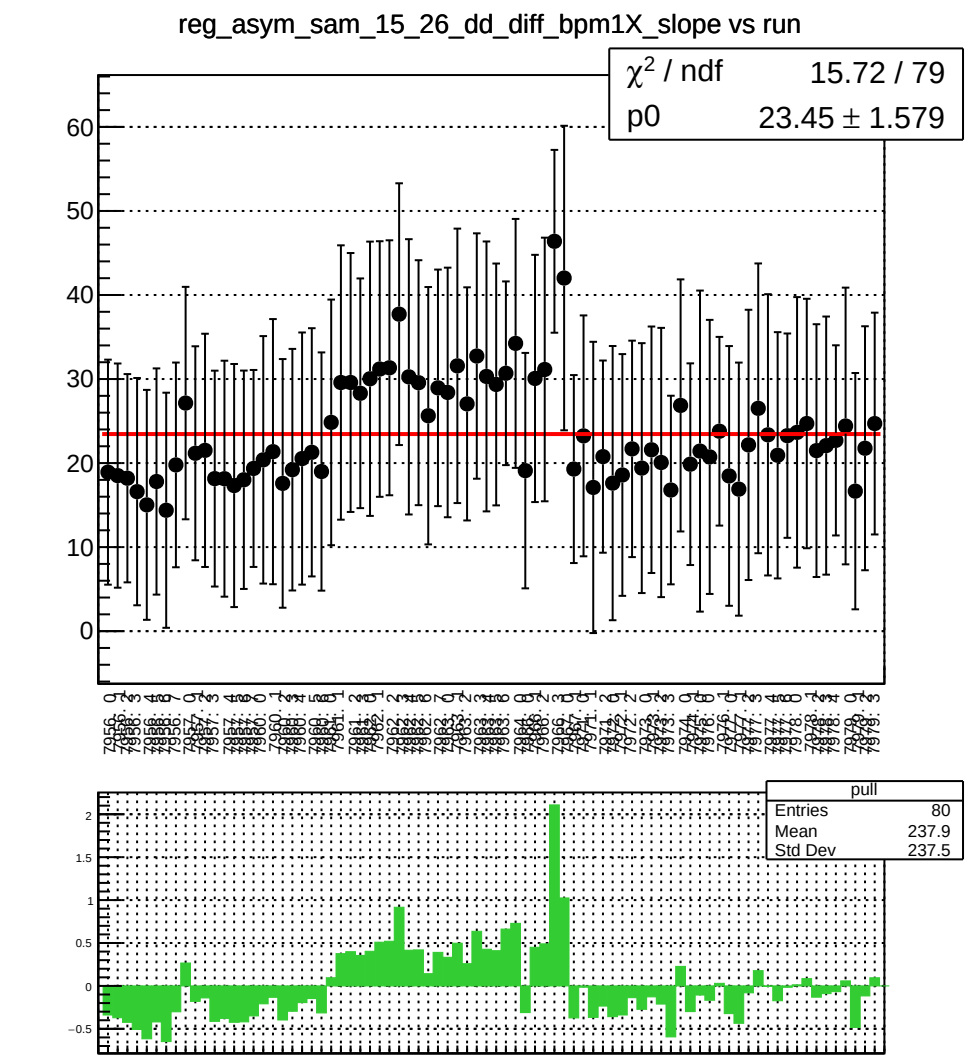

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.13 / 79
p0 13.6 ± 0.5751
pull
Entries 80
Mean −7.939
Std Dev 41.85

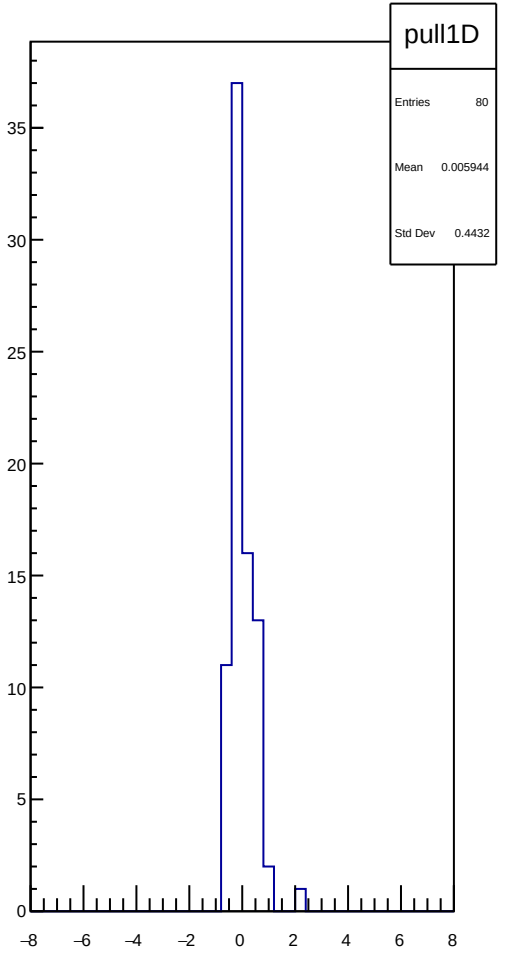

pull1D
Entries 80
Mean −0.04225
Std Dev 0.5588

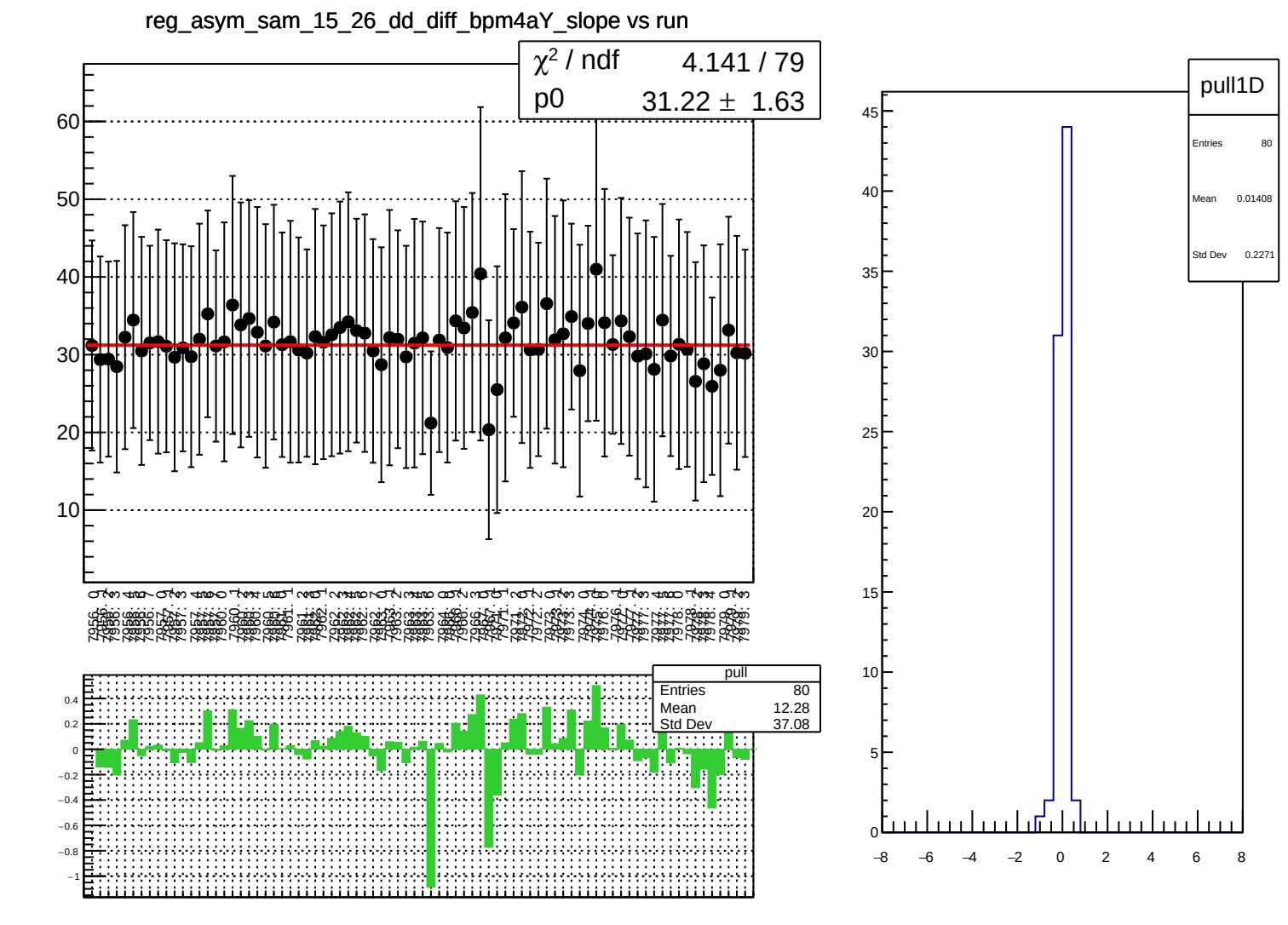

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.35 / 79
p0 −27.37 ± 0.7706
pull
Entries 80
Mean −187
Std Dev 220.3

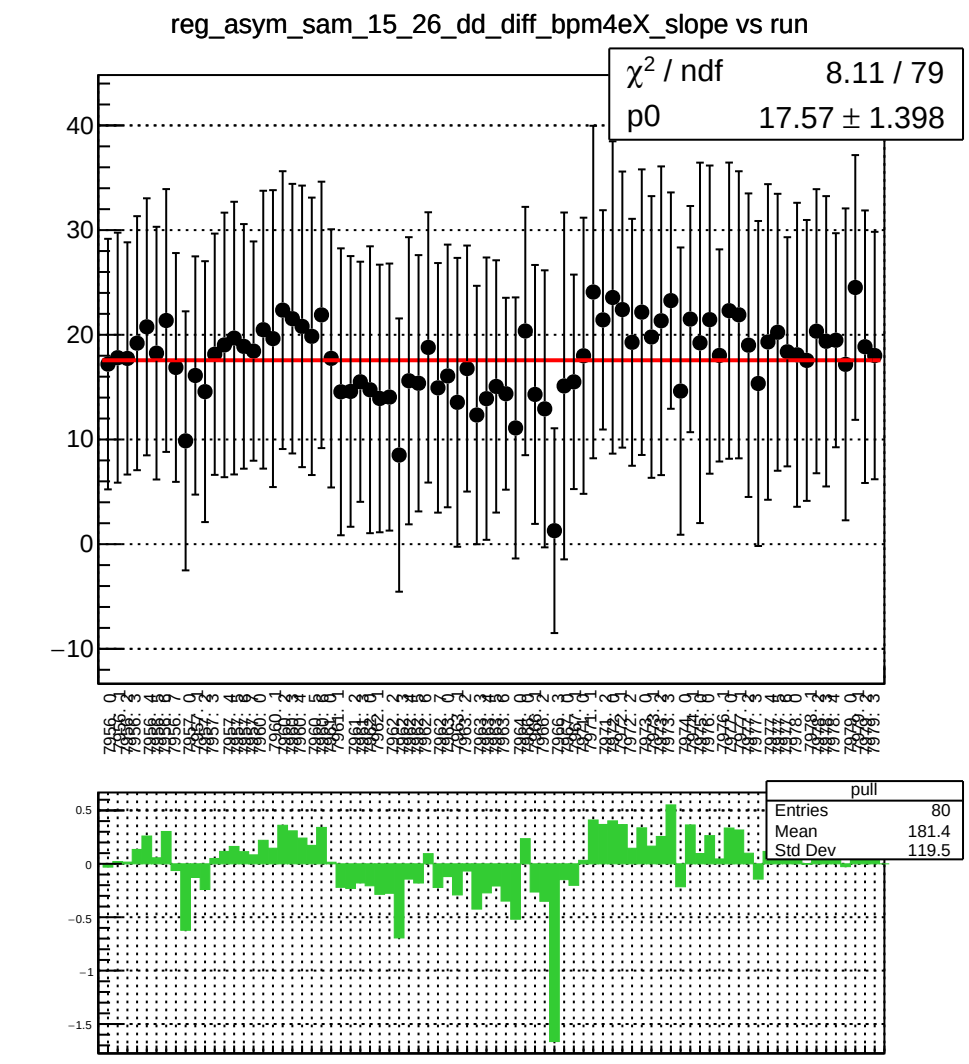

pull1D
Entries 80
Mean 0.03951
Std Dev 0.6445

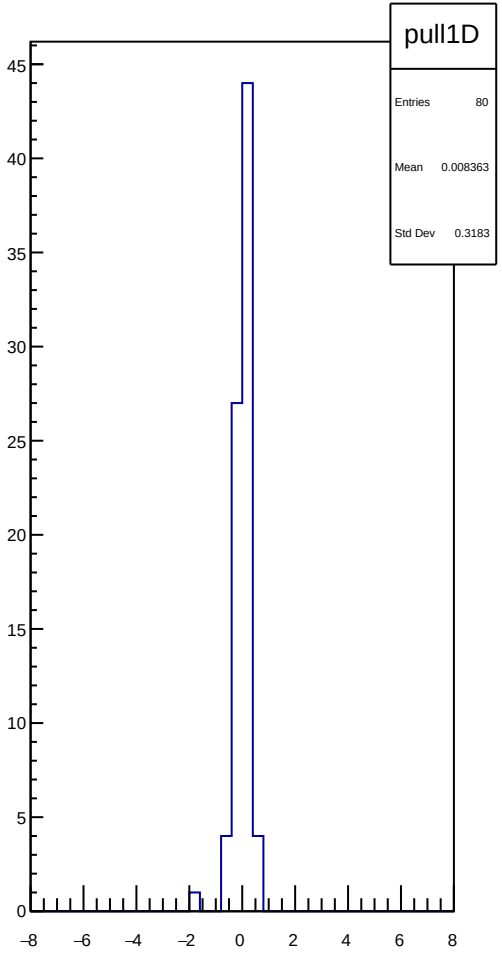

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 33.56 / 79
p0 0.5657 ± 0.02228
pull
Entries 80
Mean −317.7
Std Dev 350.4
pull1D
Entries 80
Mean 0.0253
Std Dev 0.6472

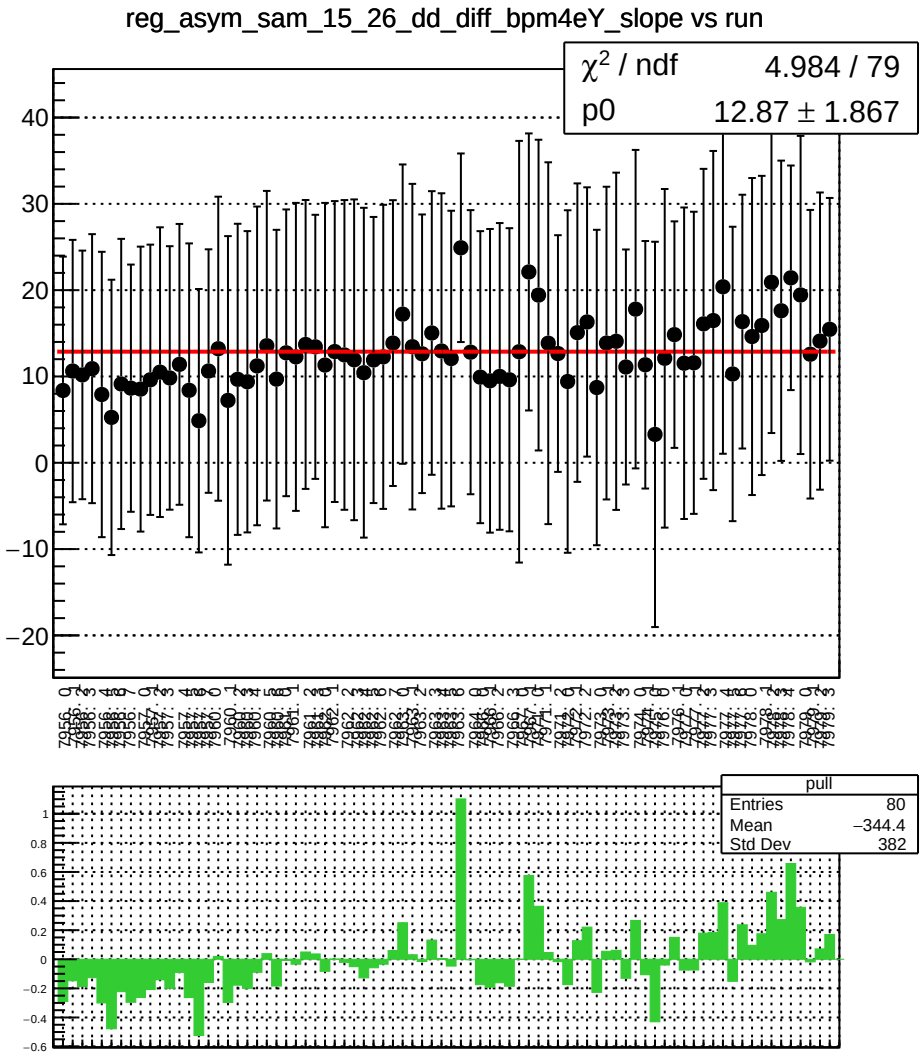

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 15.72 / 79
p0 23.45 ± 1.579
pull
Entries 80
Mean 237.9
Std Dev 237.5

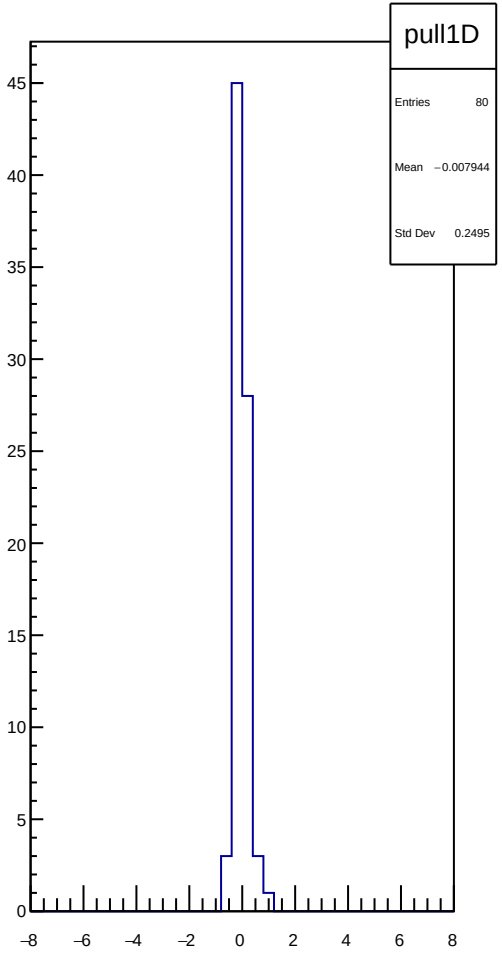

pull1D
Entries 80
Mean 0.005944
Std Dev 0.4432

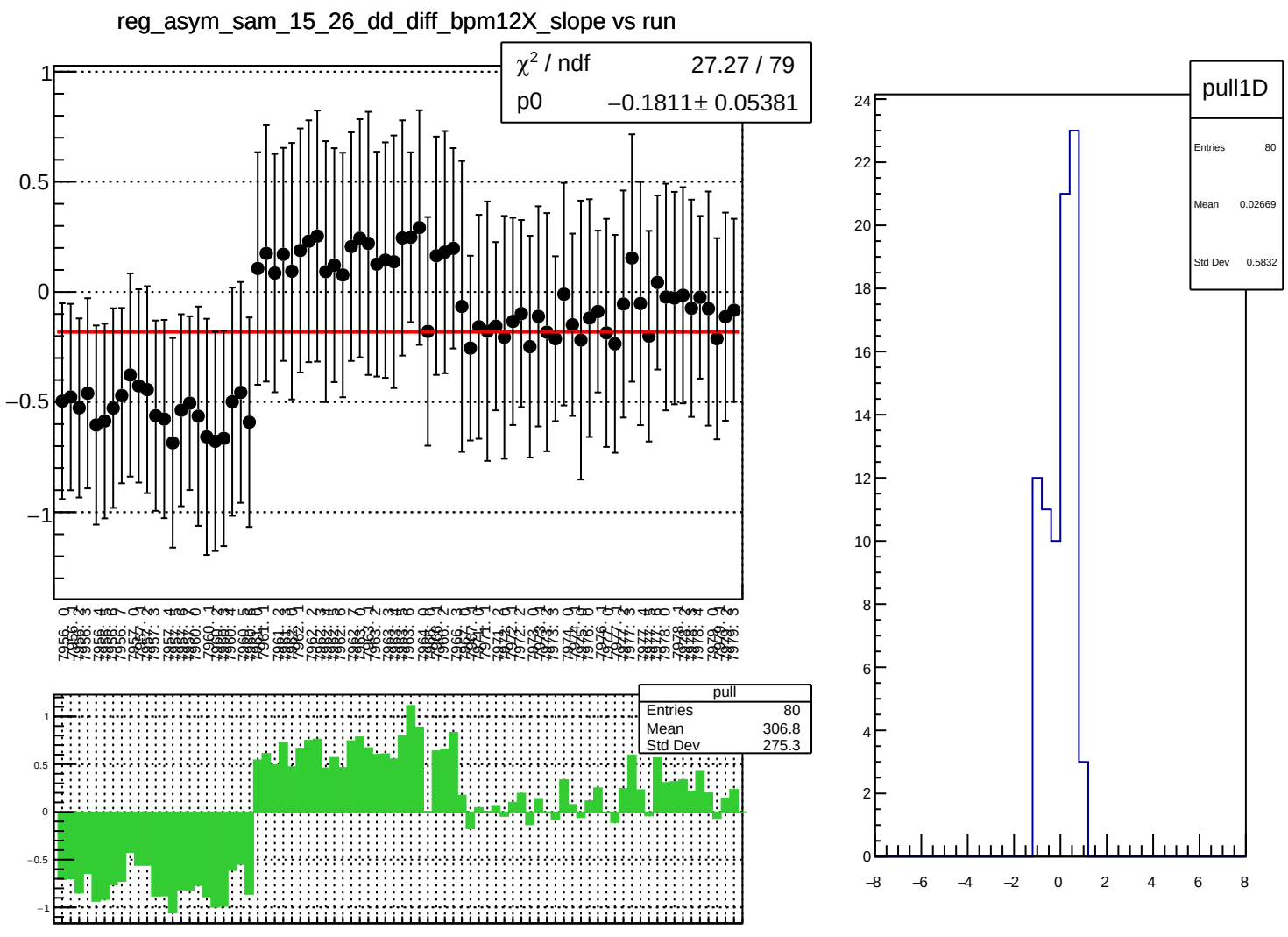

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.141 / 79
p0 31.22 ± 1.63
pull
Entries 80
Mean 12.28
Std Dev 37.08
pull1D
Entries 80
Mean 0.01408
Std Dev 0.2271

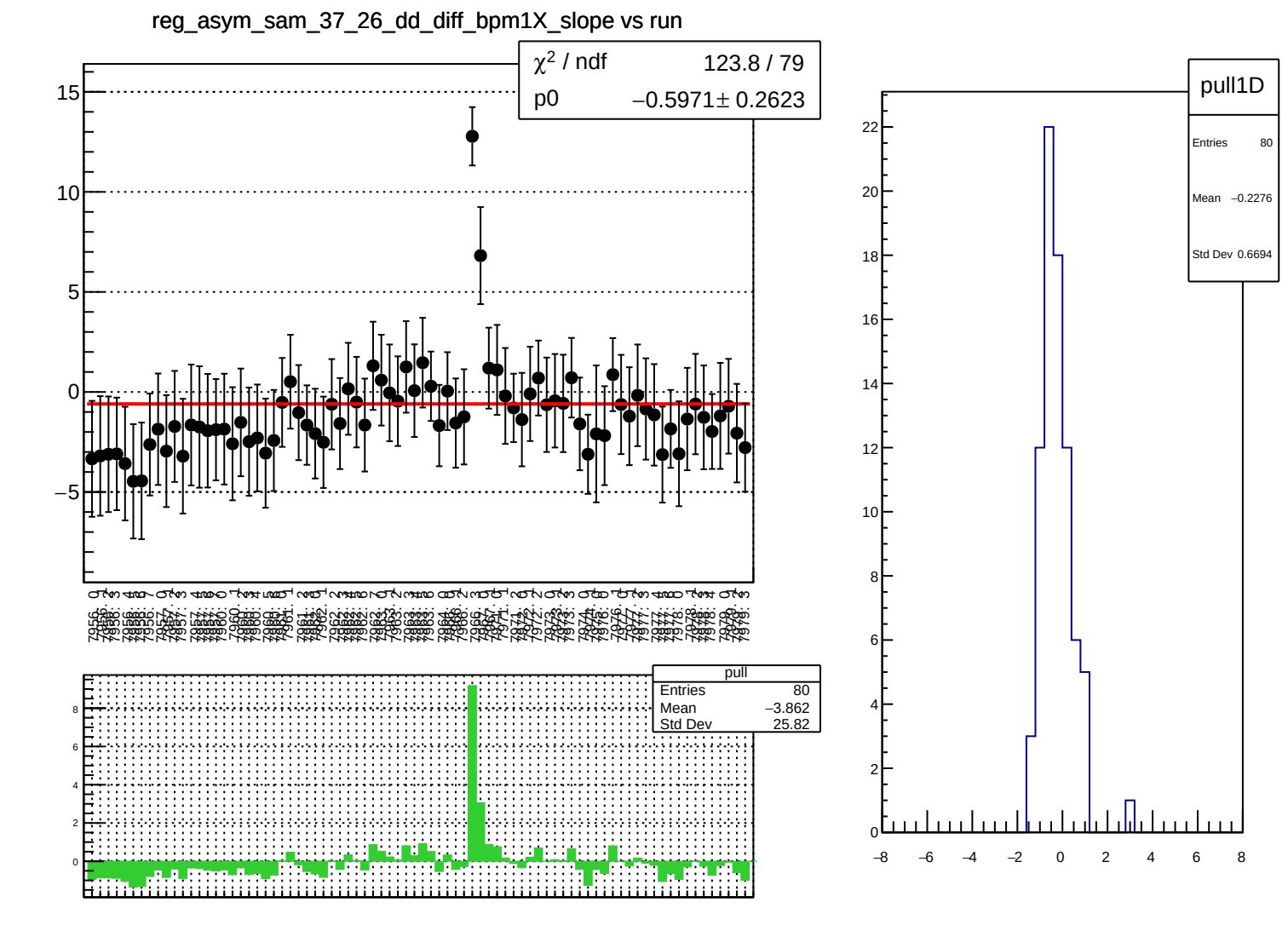

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.11 / 79
p0 17.57 ± 1.398
pull
Entries 80
Mean 181.4
Std Dev 119.5

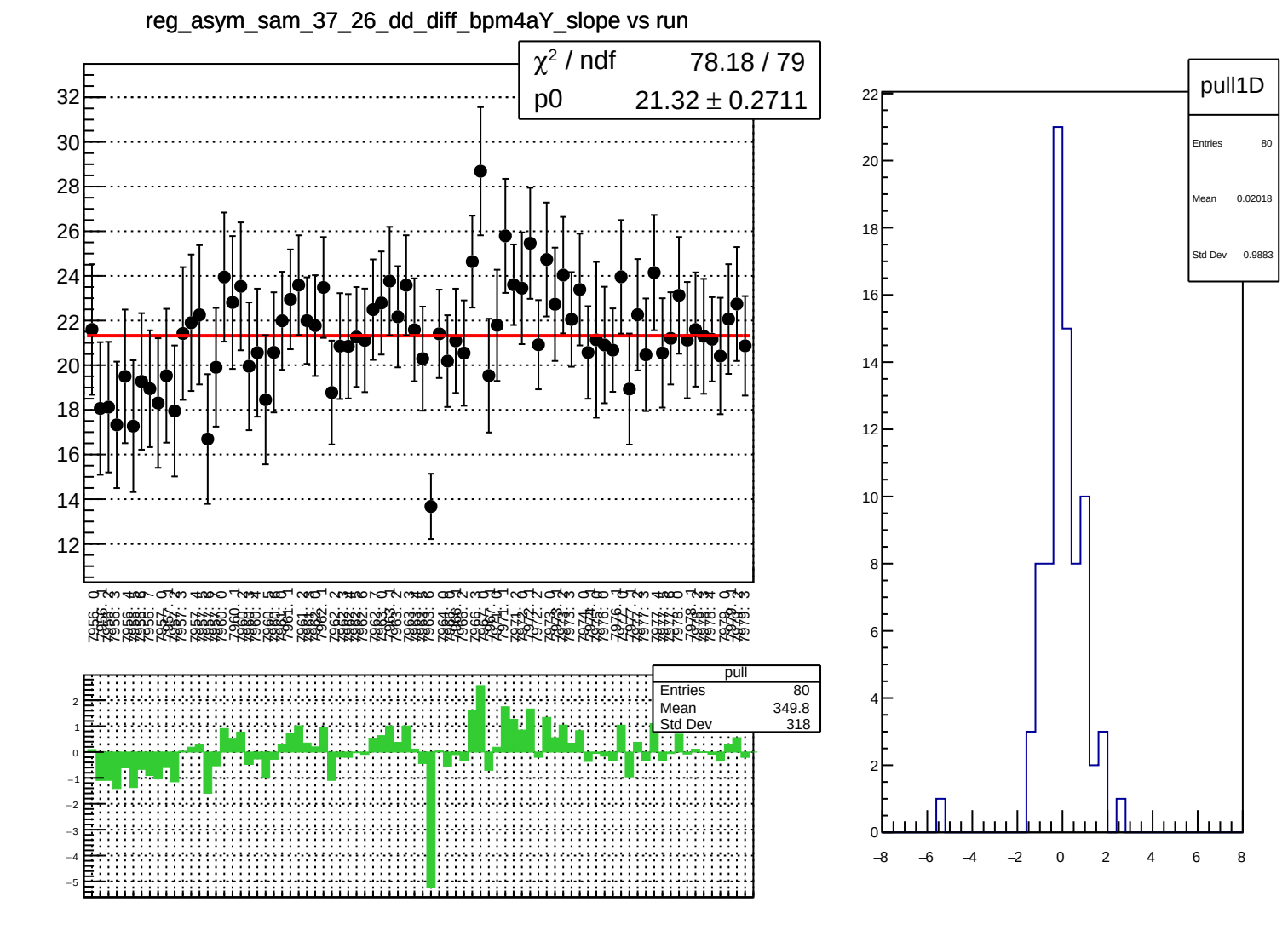

pull1D
Entries 80
Mean 0.008363
Std Dev 0.3183

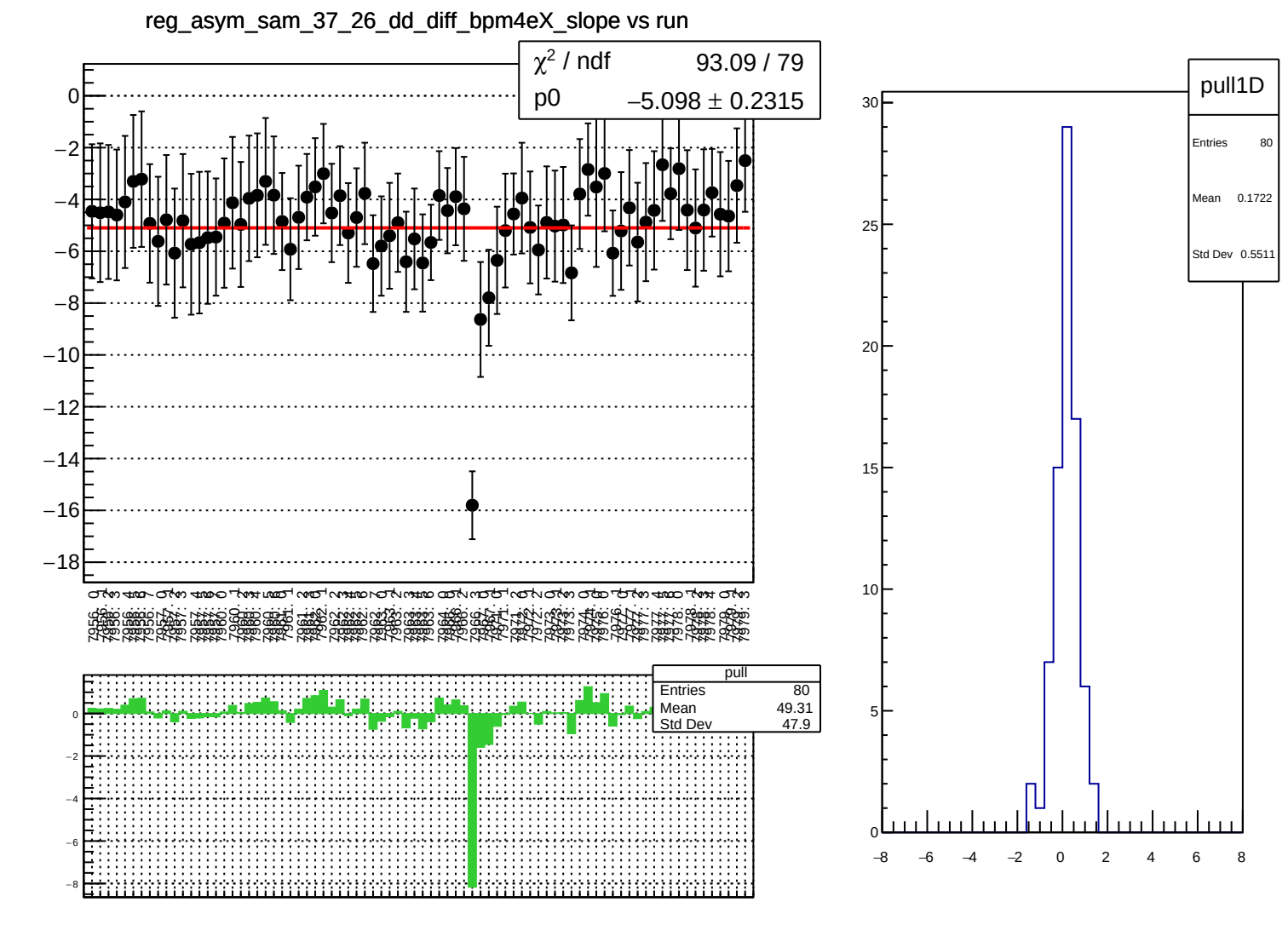

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.984 / 79
p0 12.87 ± 1.867
pull
Entries 80
Mean −344.4
Std Dev 382

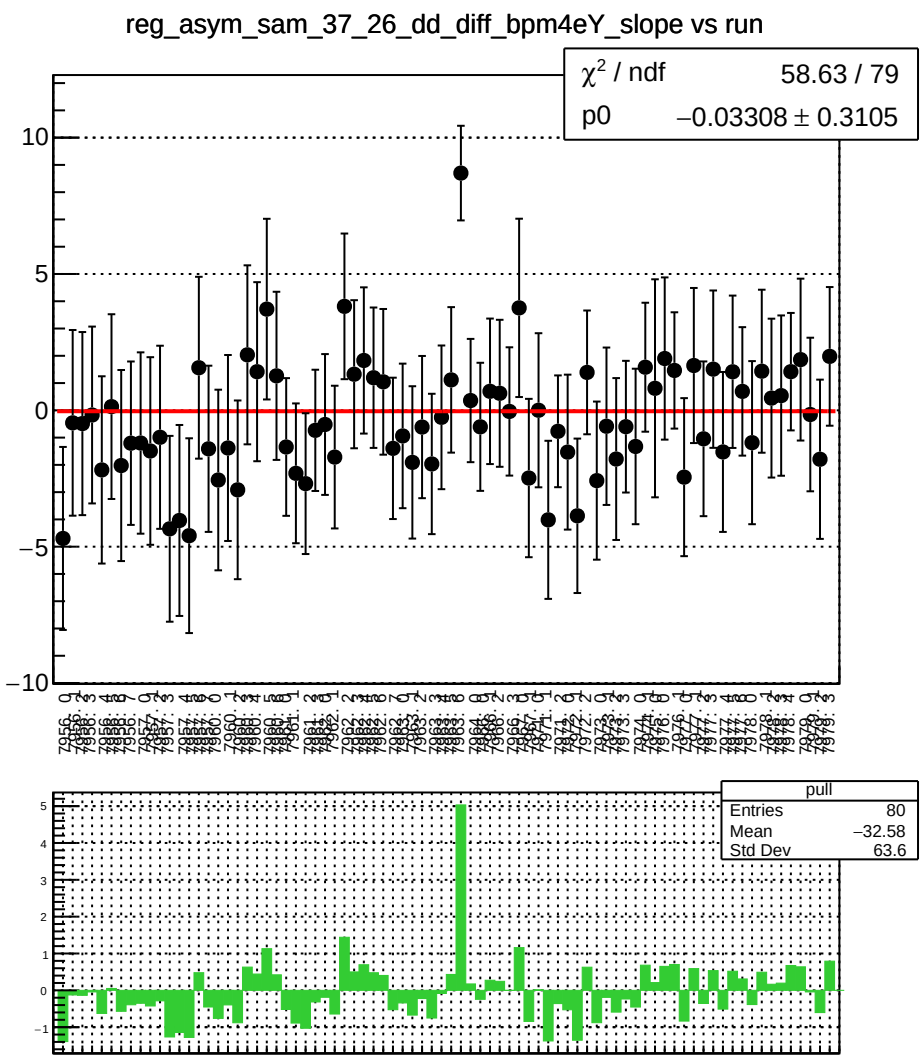

pull1D
Entries 80
Mean −0.007944
Std Dev 0.2495

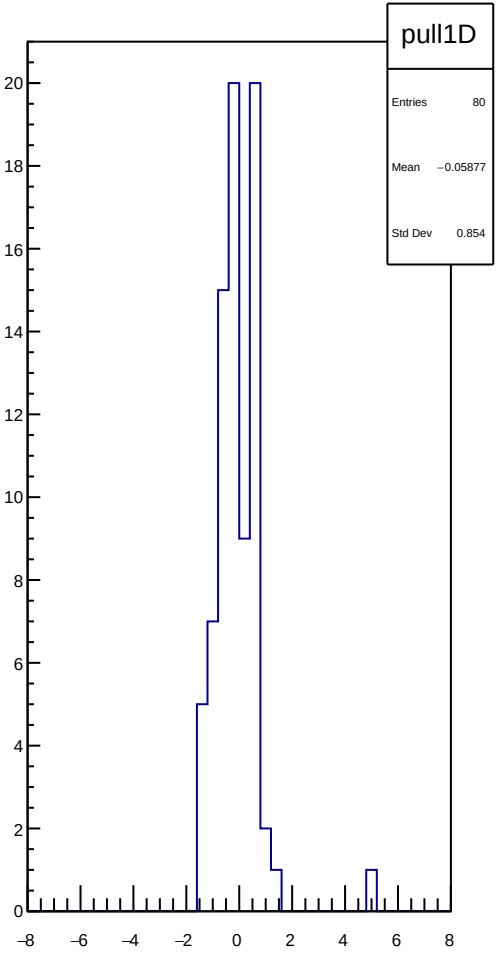

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 27.27 / 79
p0 −0.1811± 0.05381
pull
Entries 80
Mean 306.8
Std Dev 275.3
pull1D
Entries 80
Mean 0.02669
Std Dev 0.5832

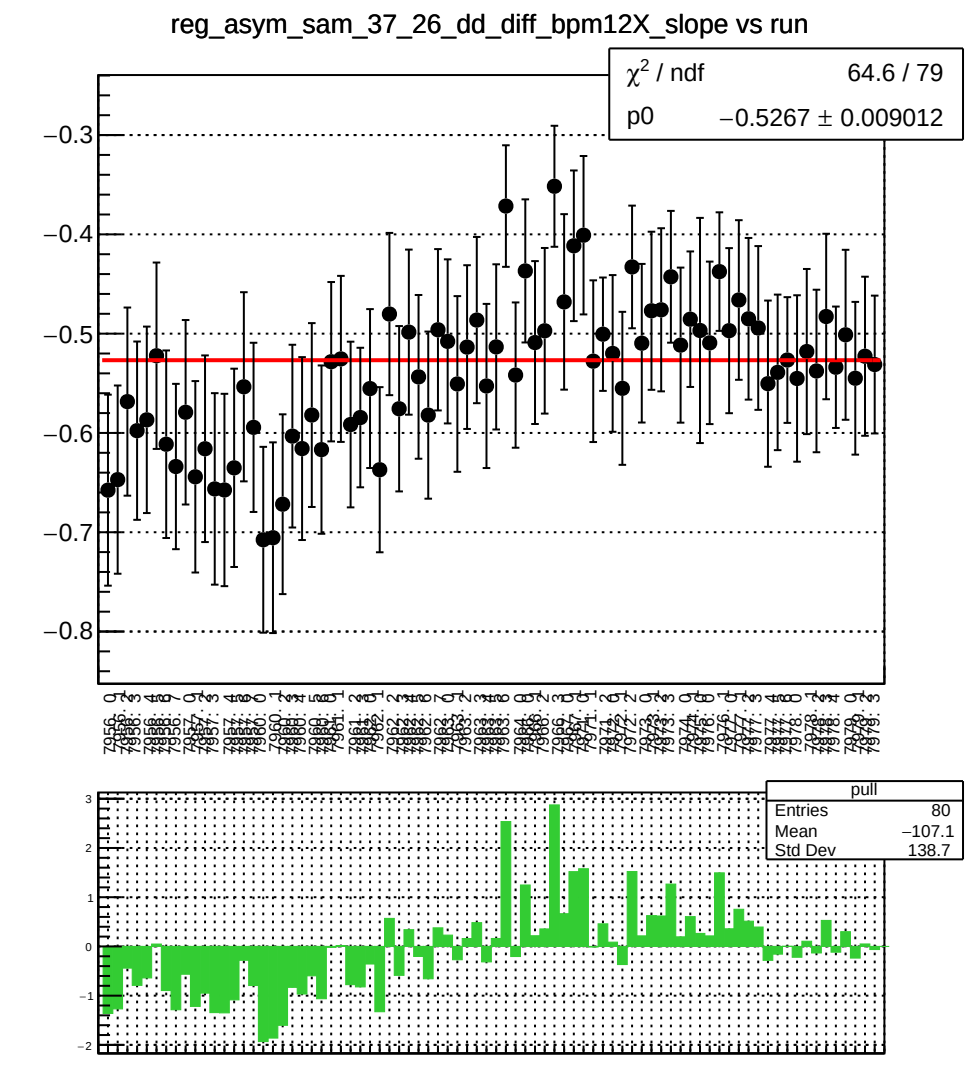

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 123.8 / 79
p0 −0.5971± 0.2623
pull
Entries 80
Mean −3.862
Std Dev 25.82
pull1D
Entries 80
Mean −0.2276
Std Dev 0.6694

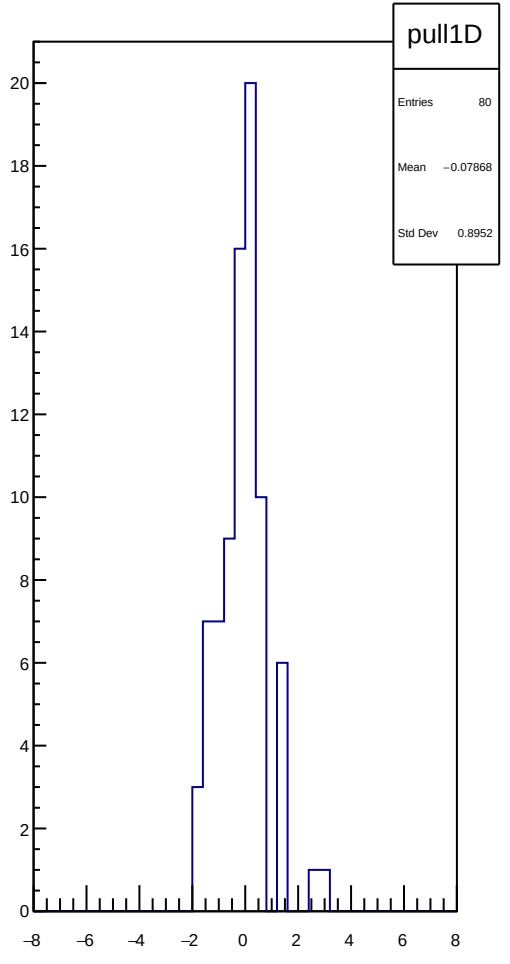

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.18 / 79
p0 21.32 ± 0.2711
pull
Entries 80
Mean 349.8
Std Dev 318
pull1D
Entries 80
Mean 0.02018
Std Dev 0.9883

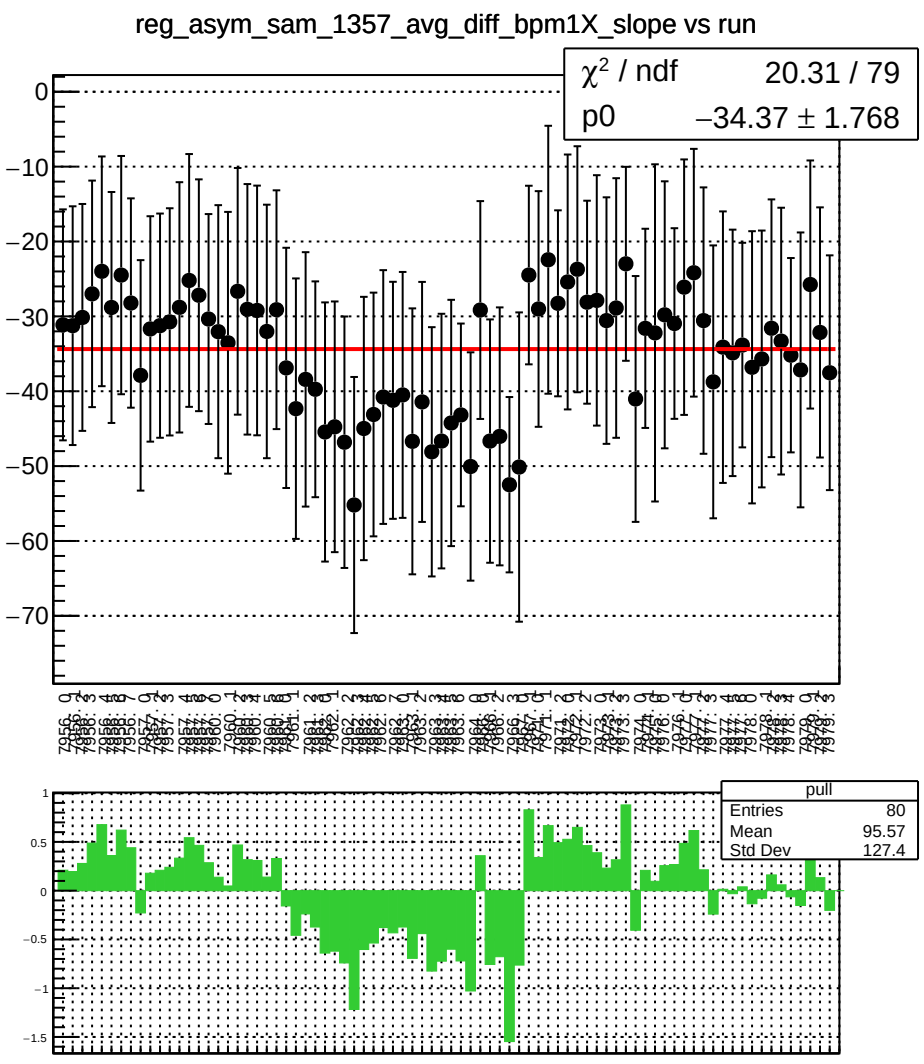

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 93.09 / 79
p0 −5.098 ± 0.2315
pull
Entries 80
Mean 49.31
Std Dev 47.9
pull1D
Entries 80
Mean 0.1722
Std Dev 0.5511

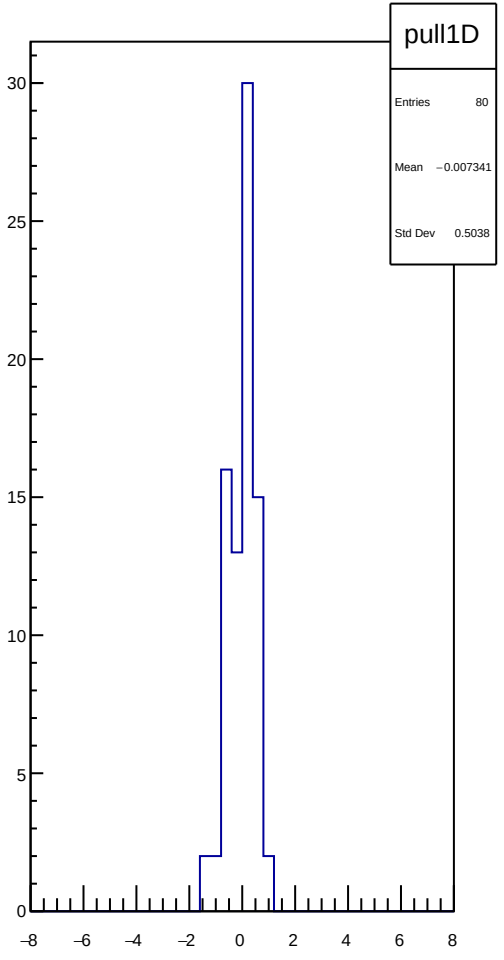

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.63 / 79
p0 −0.03308 ± 0.3105
pull
Entries 80
Mean −32.58
Std Dev 63.6

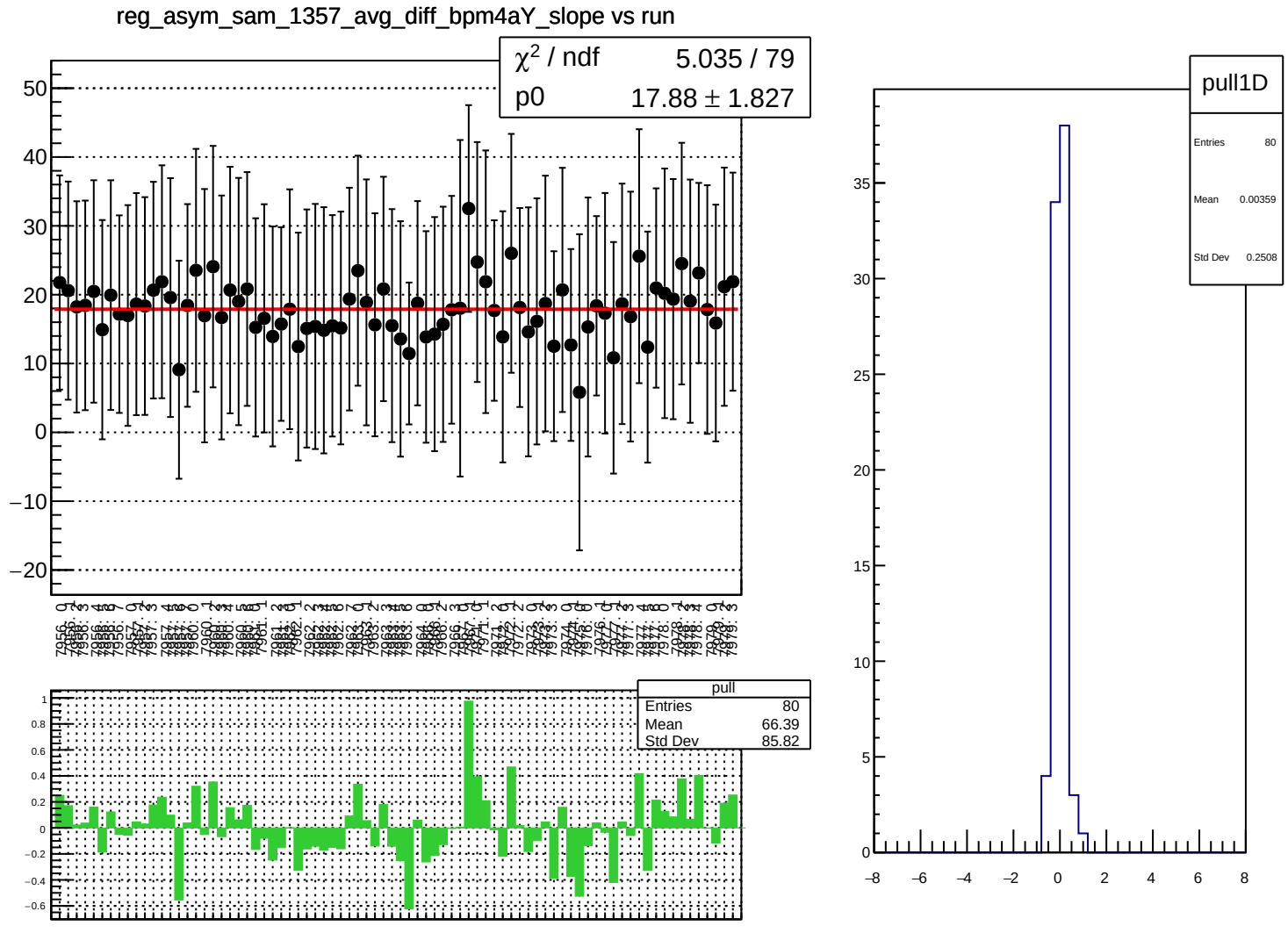

pull1D
Entries 80
Mean −0.05877
Std Dev 0.854

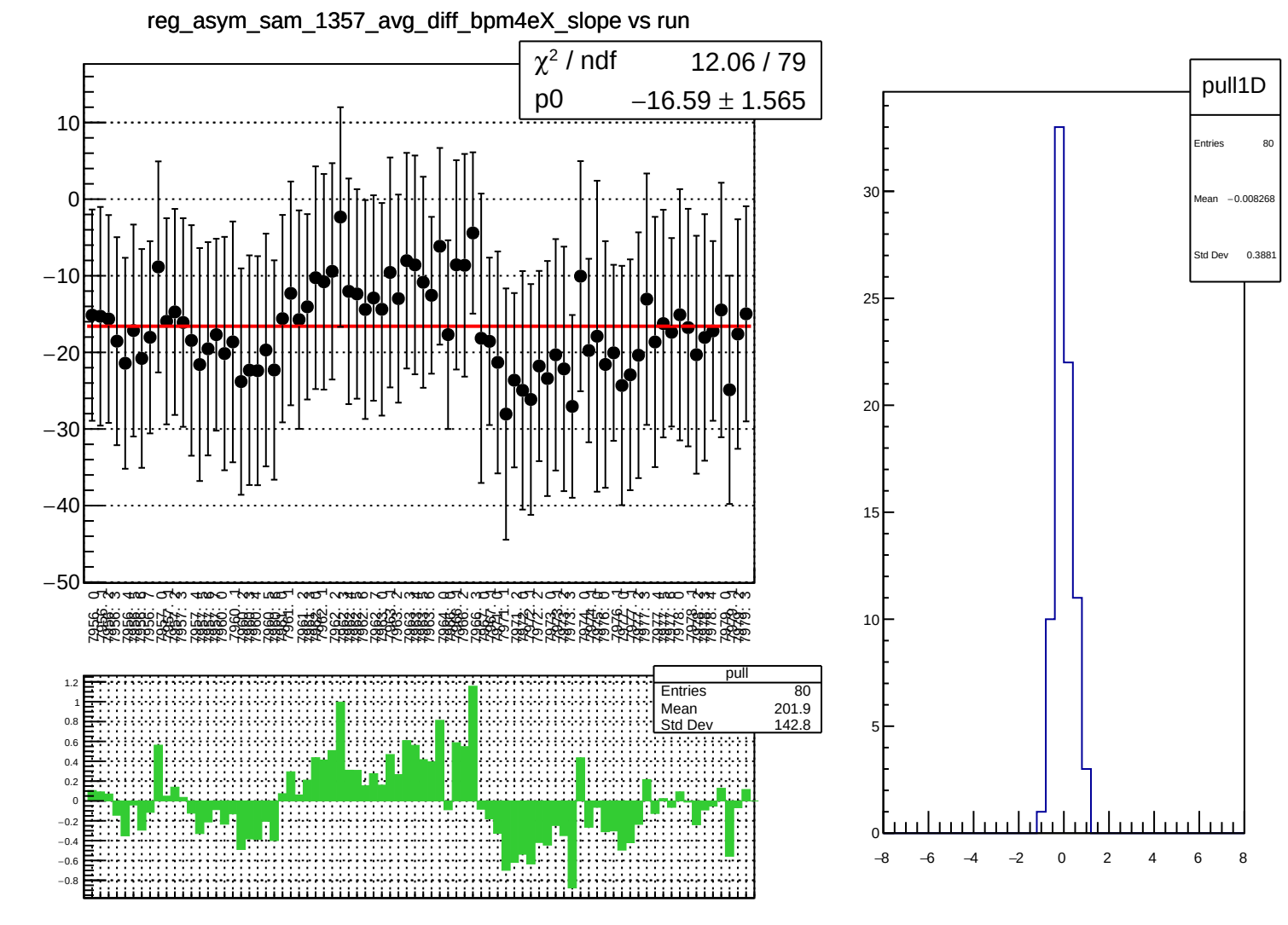

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 64.6 / 79
p0 −0.5267 ± 0.009012
pull
Entries 80
Mean −107.1
Std Dev 138.7

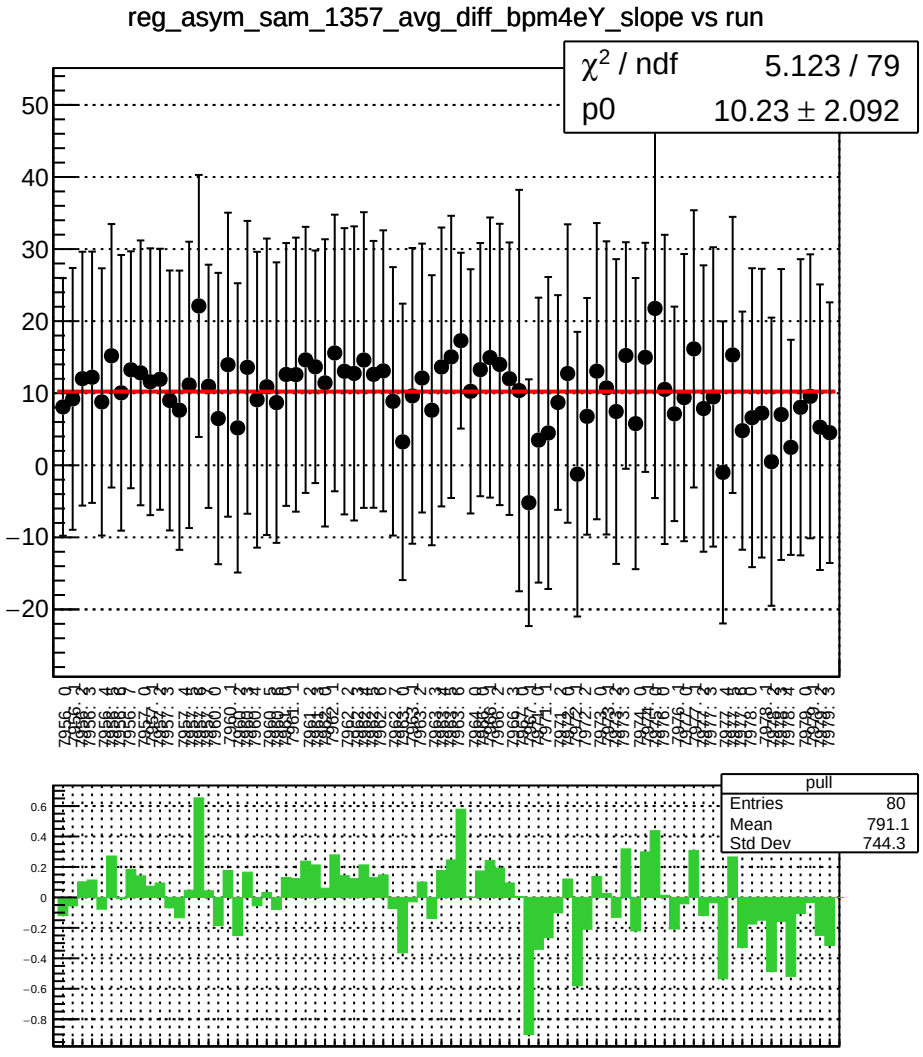

pull1D
Entries 80
Mean −0.07868
Std Dev 0.8952

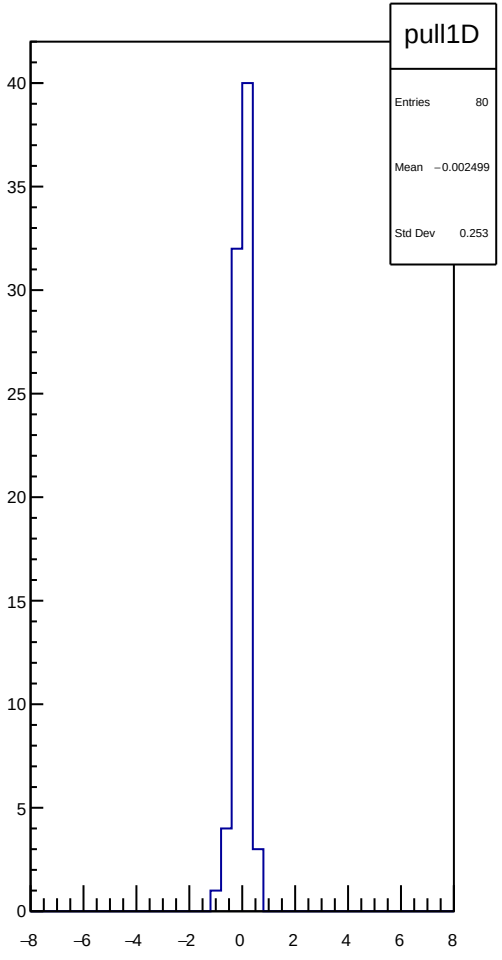

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 20.31 / 79
p0 −34.37 ± 1.768
pull
Entries 80
Mean 95.57
Std Dev 127.4

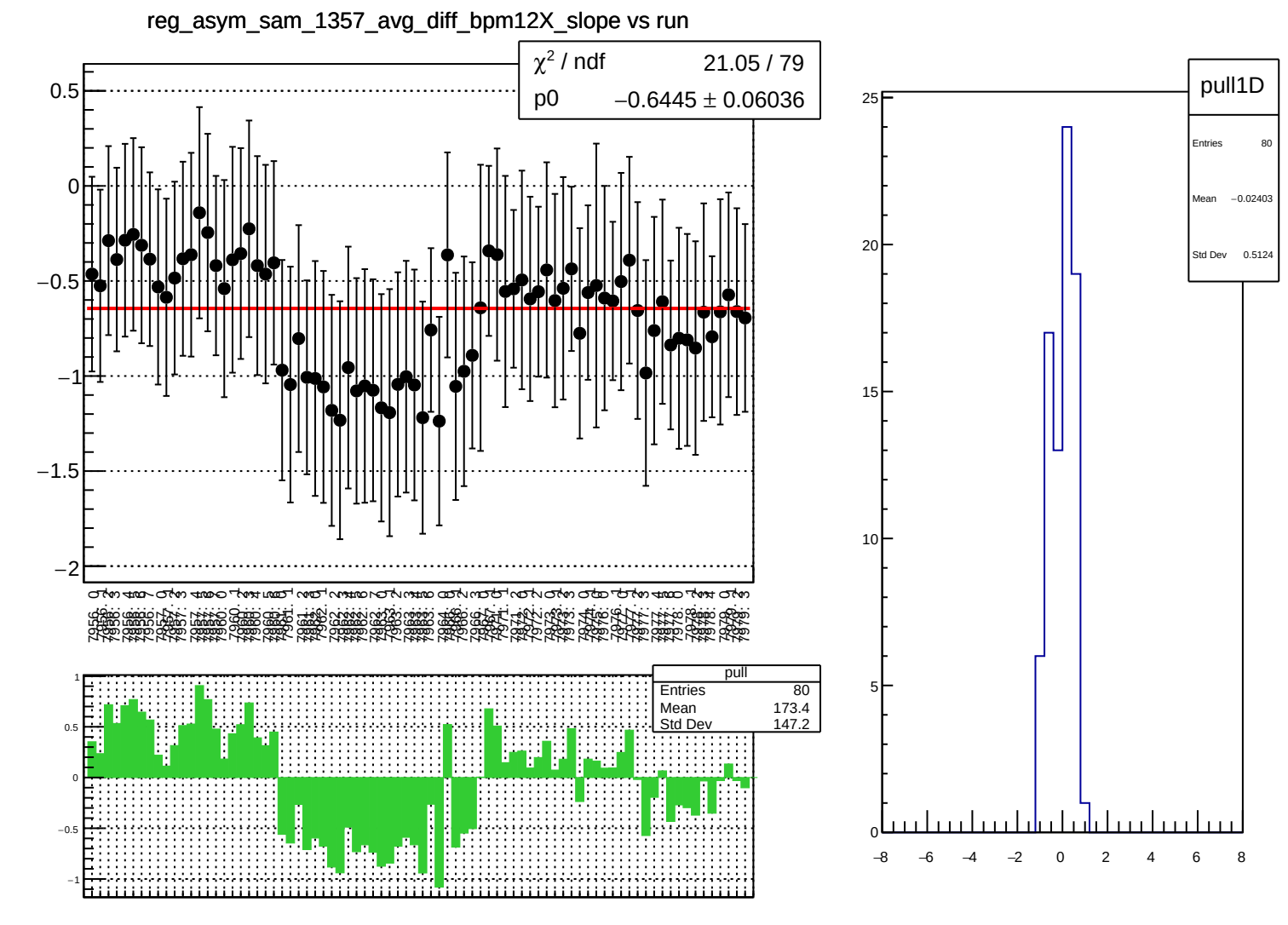

pull1D
Entries 80
Mean −0.007341
Std Dev 0.5038

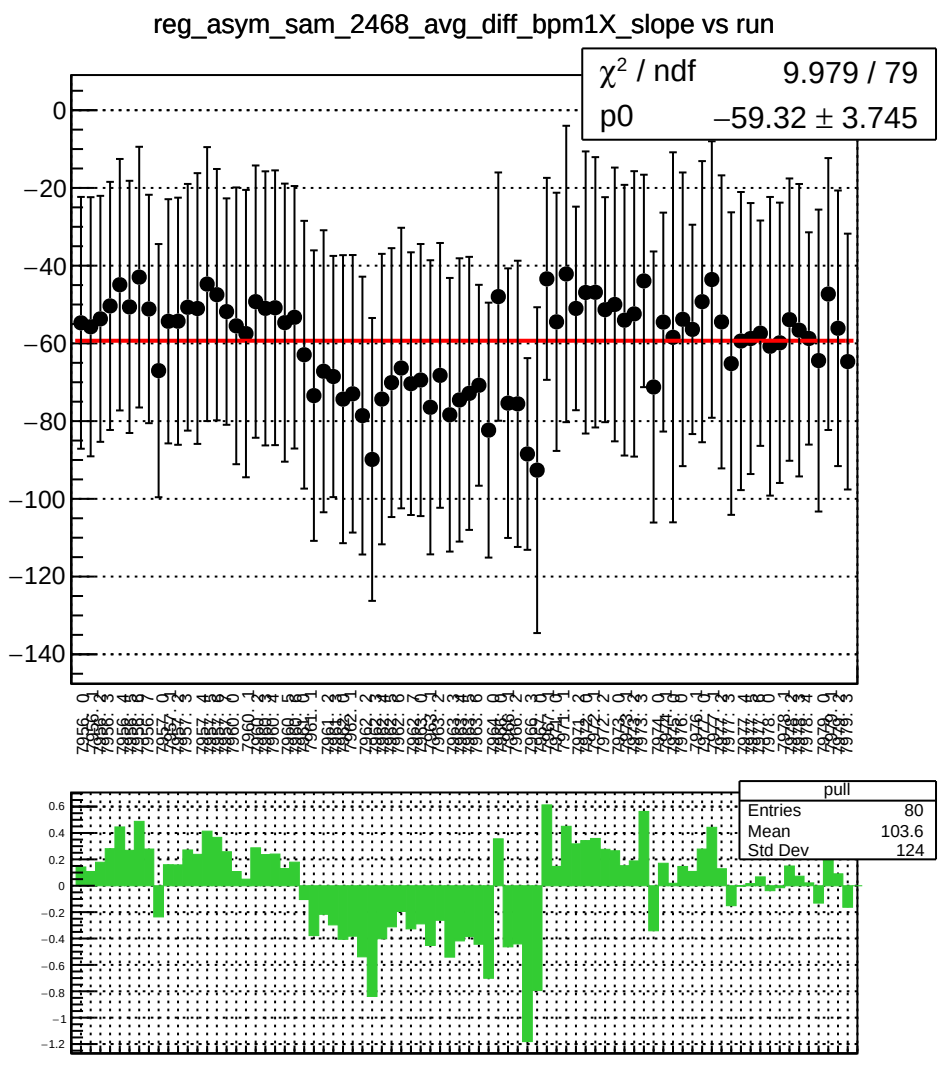

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.035 / 79
p0 17.88 ± 1.827
pull
Entries 80
Mean 66.39
Std Dev 85.82
pull1D
Entries 80
Mean 0.00359
Std Dev 0.2508

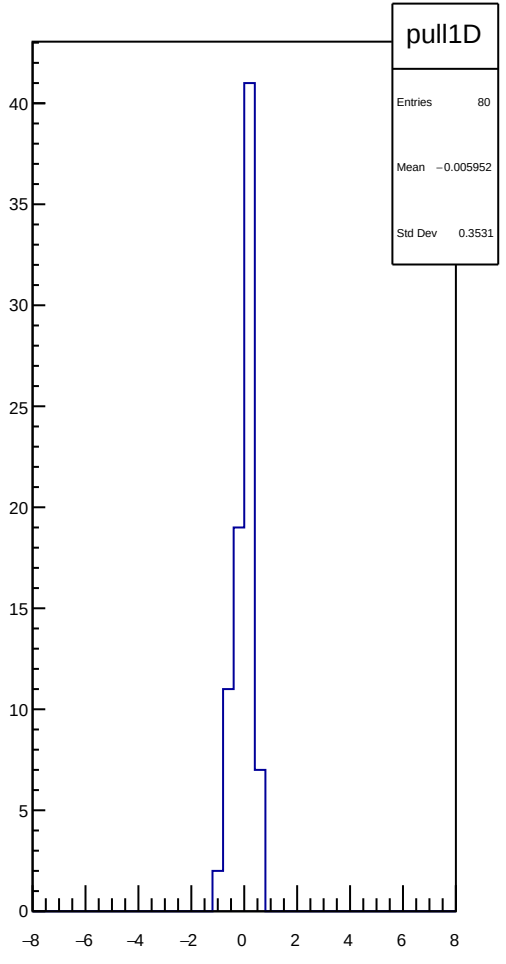

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.06 / 79
p0 −16.59 ± 1.565
pull
Entries 80
Mean 201.9
Std Dev 142.8
pull1D
Entries 80
Mean −0.008268
Std Dev 0.3881

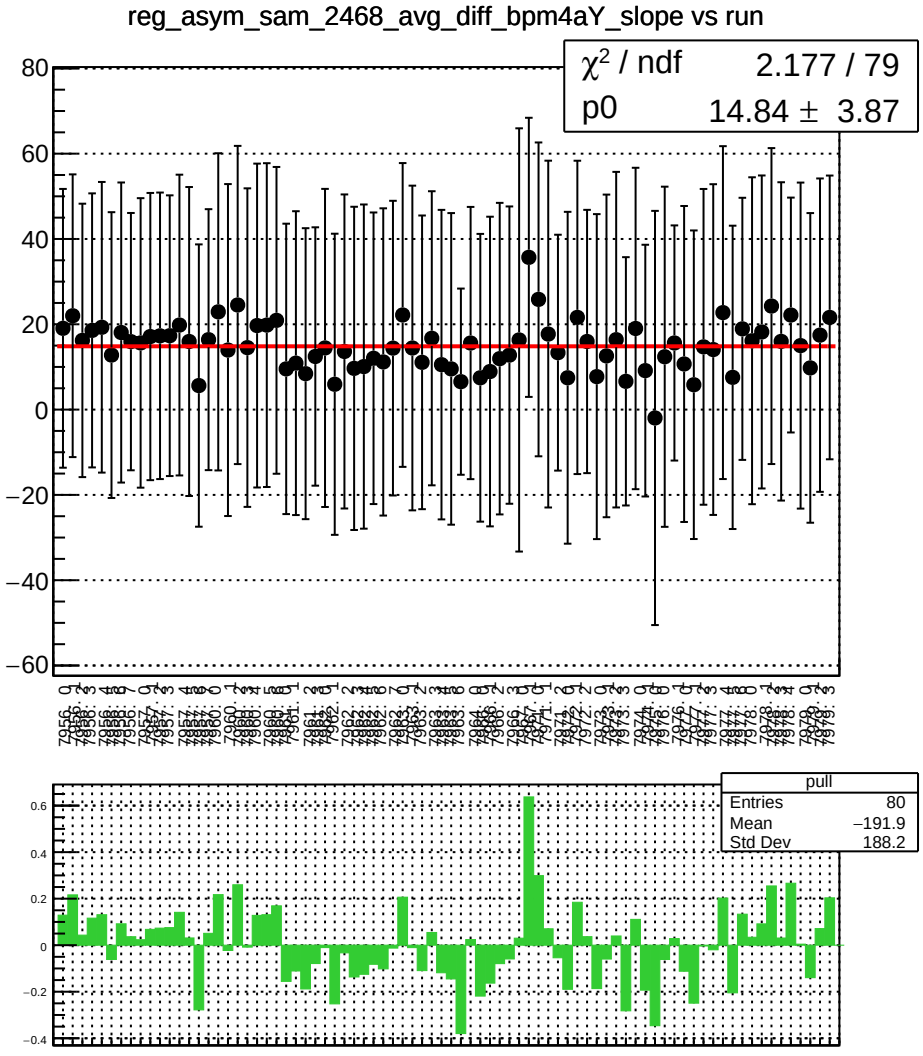

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.123 / 79
p0 10.23 ± 2.092
pull
Entries 80
Mean 791.1
Std Dev 744.3

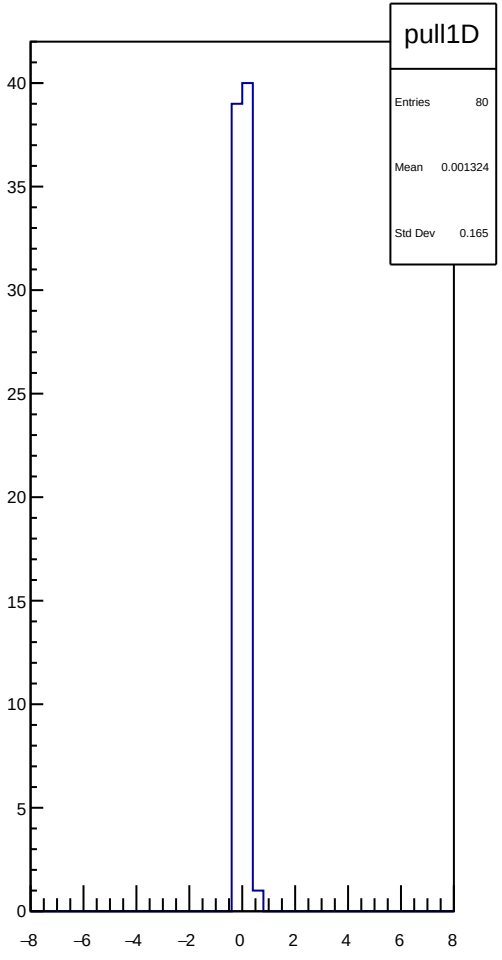

pull1D
Entries 80
Mean −0.002499
Std Dev 0.253

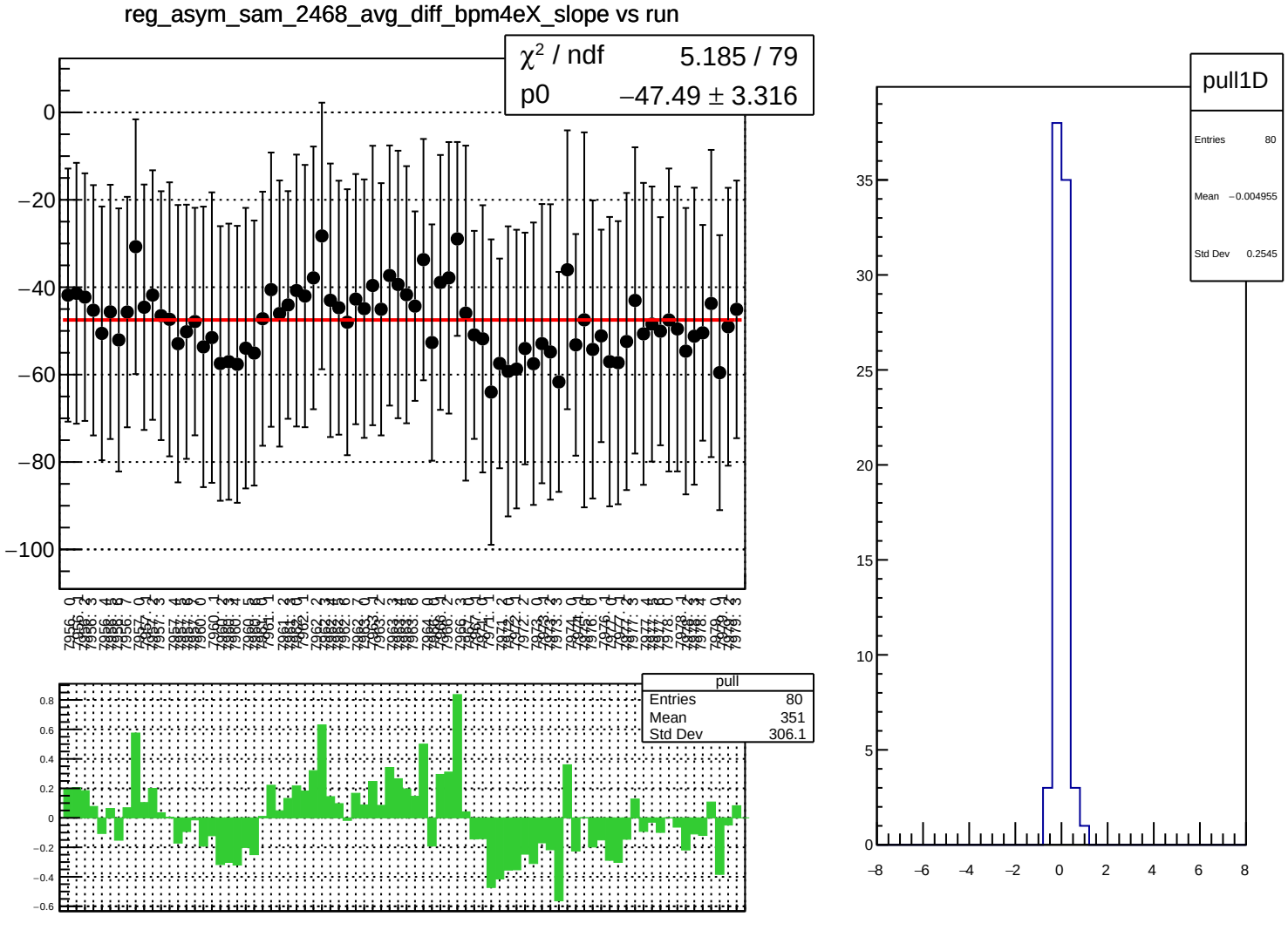

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 21.05 / 79
p0 −0.6445 ± 0.06036
pull
Entries 80
Mean 173.4
Std Dev 147.2
pull1D
Entries 80
Mean −0.02403
Std Dev 0.5124

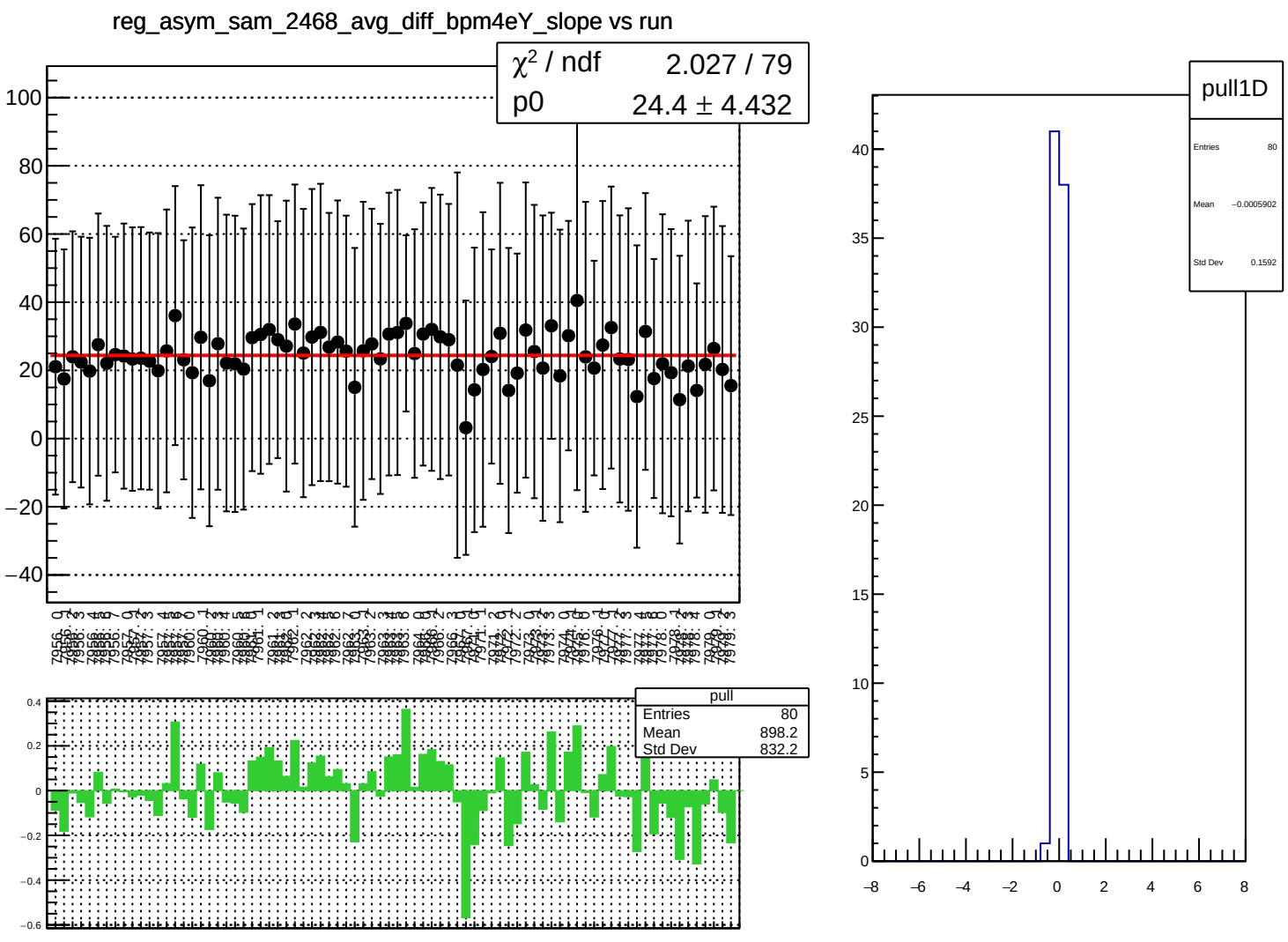

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 9.979 / 79
p0 −59.32 ± 3.745
pull
Entries 80
Mean 103.6
Std Dev 124

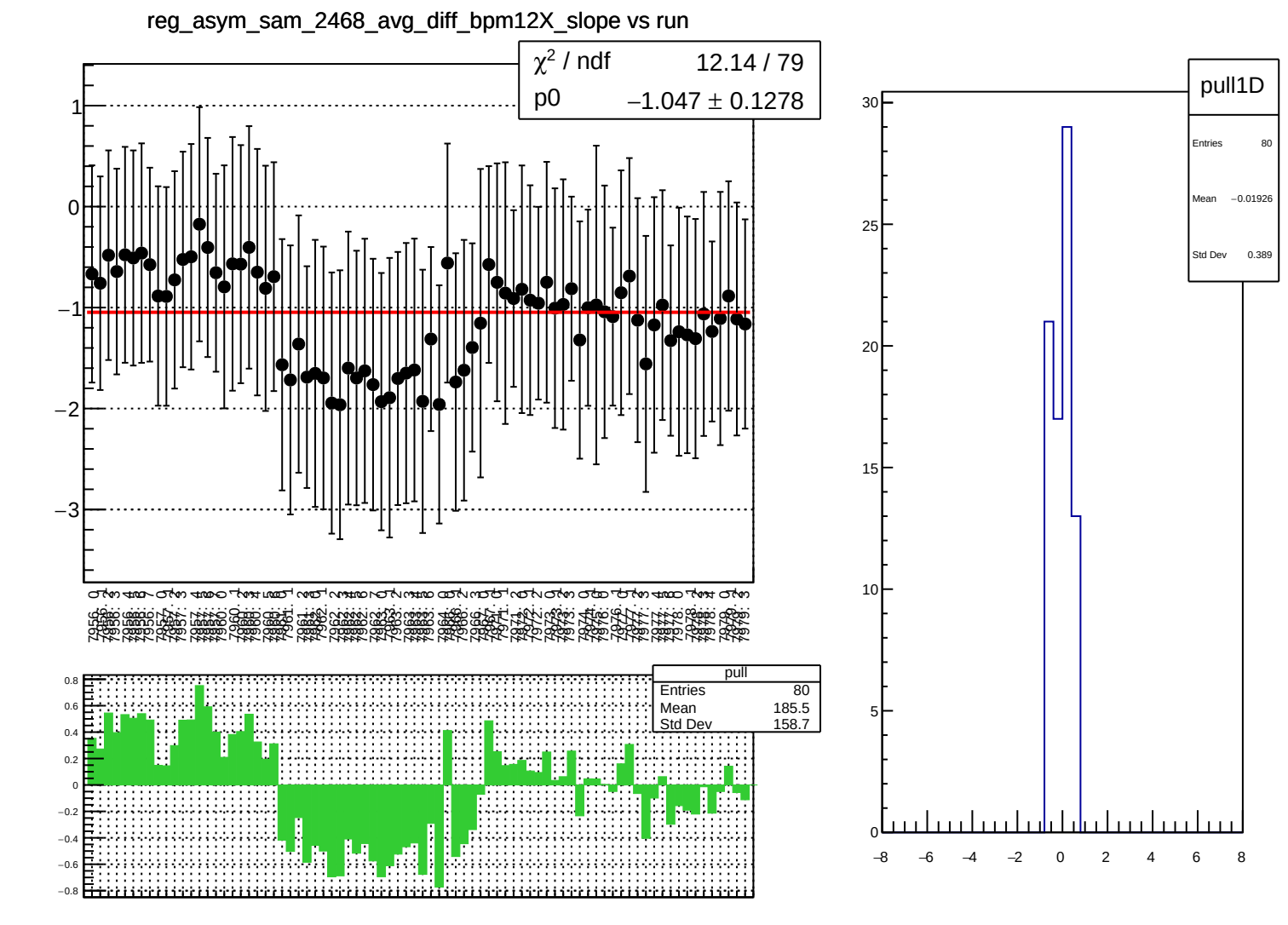

pull1D
Entries 80
Mean −0.005952
Std Dev 0.3531

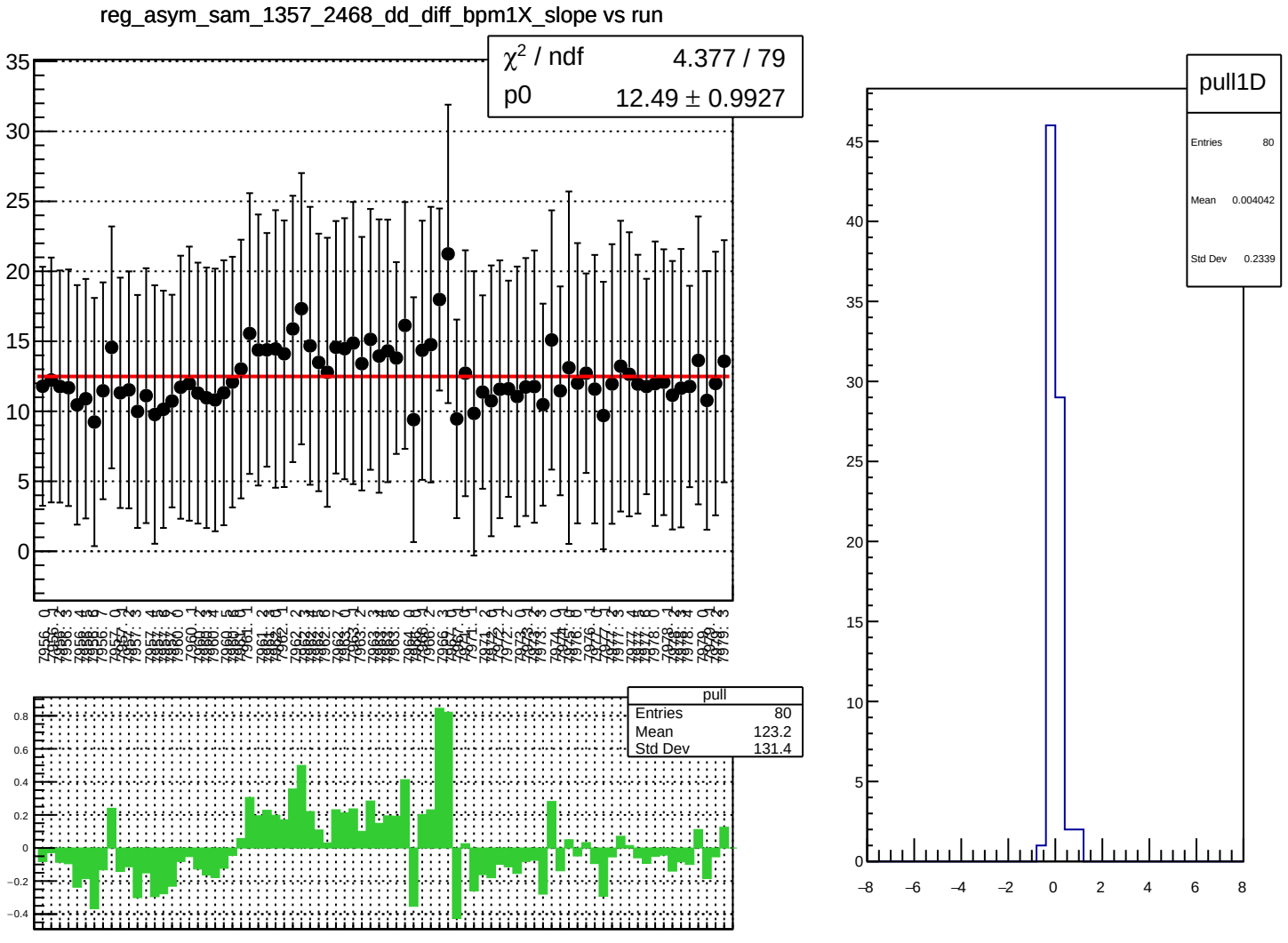

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.177 / 79
p0 14.84 ± 3.87
pull
Entries 80
Mean −191.9
Std Dev 188.2

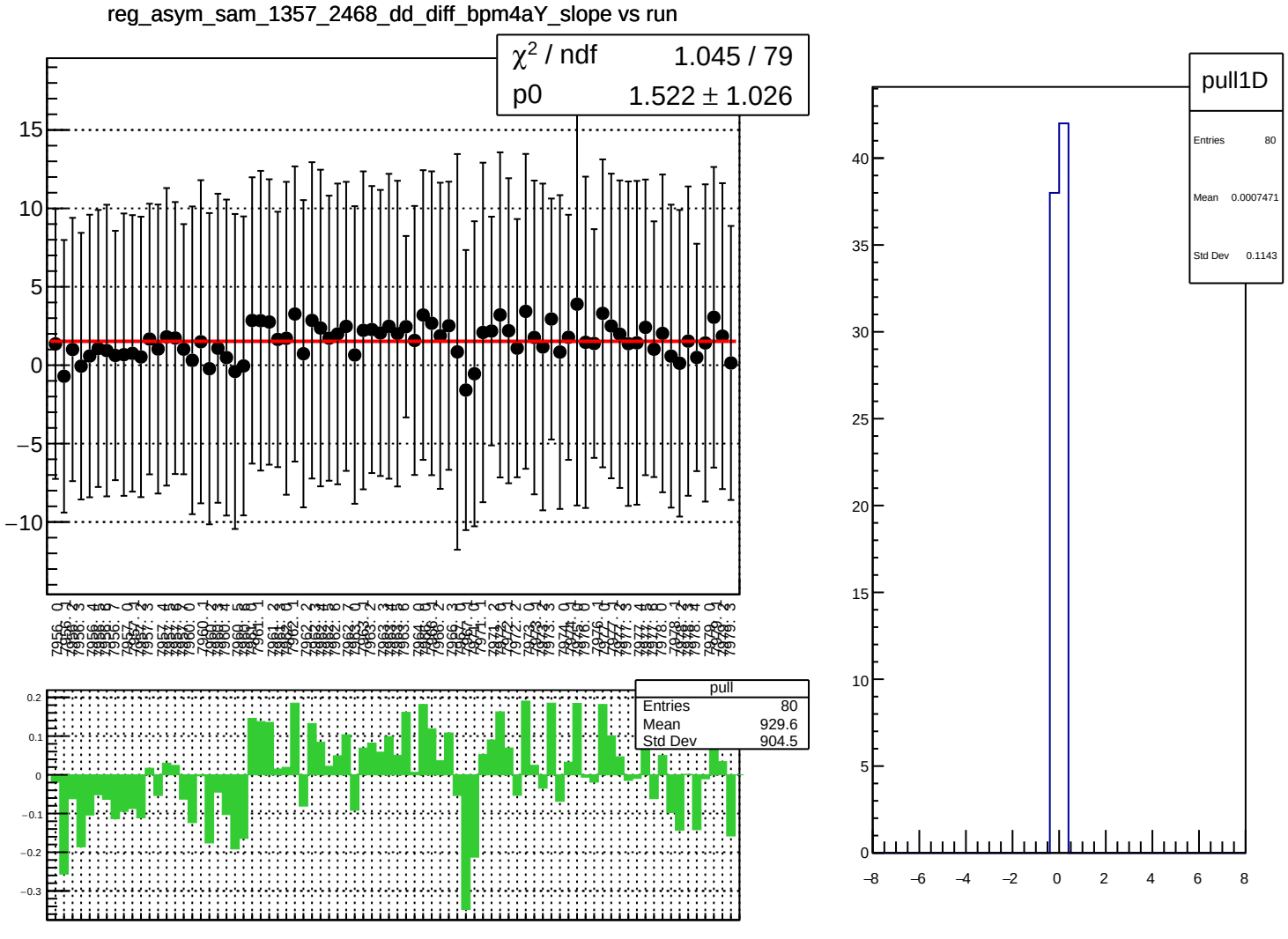

pull1D
Entries 80
Mean 0.001324
Std Dev 0.165

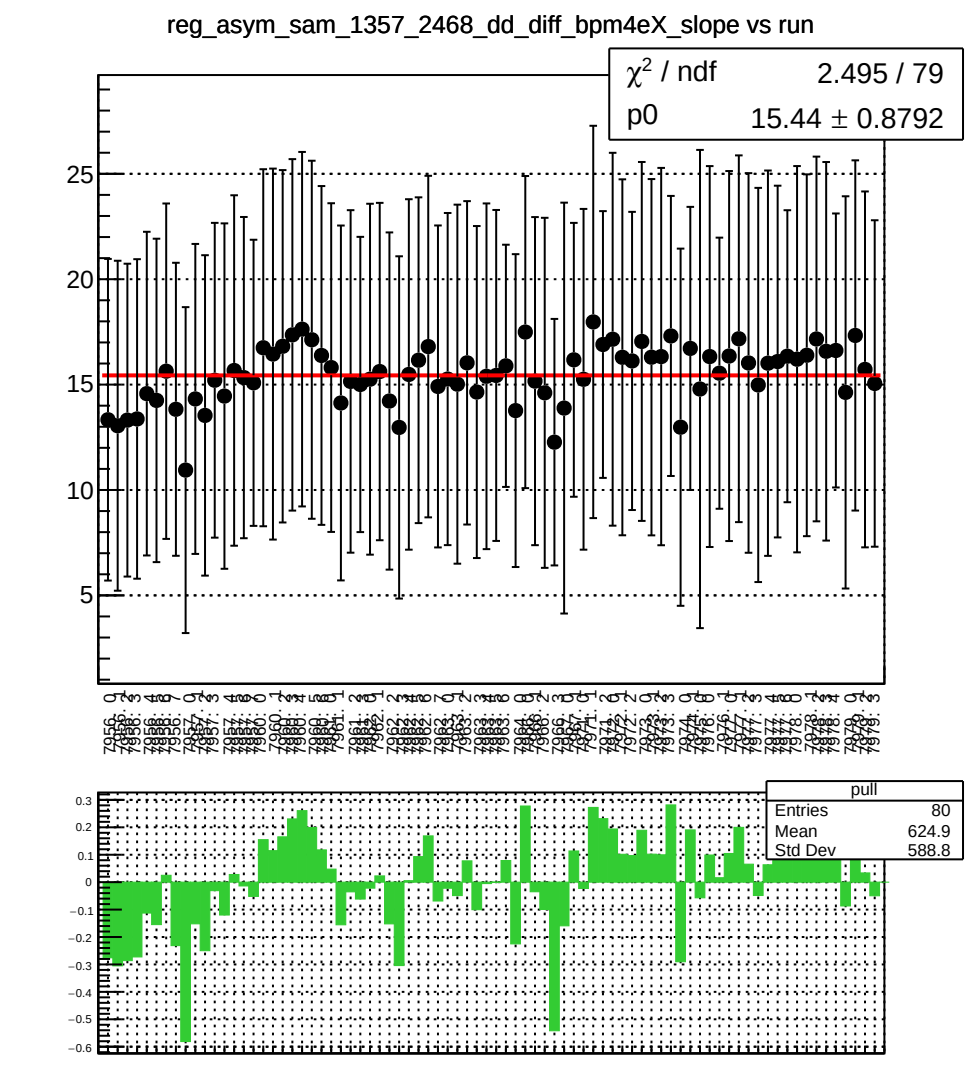

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.185 / 79
p0 −47.49 ± 3.316
pull
Entries 80
Mean 351
Std Dev 306.1
pull1D
Entries 80
Mean −0.004955
Std Dev 0.2545

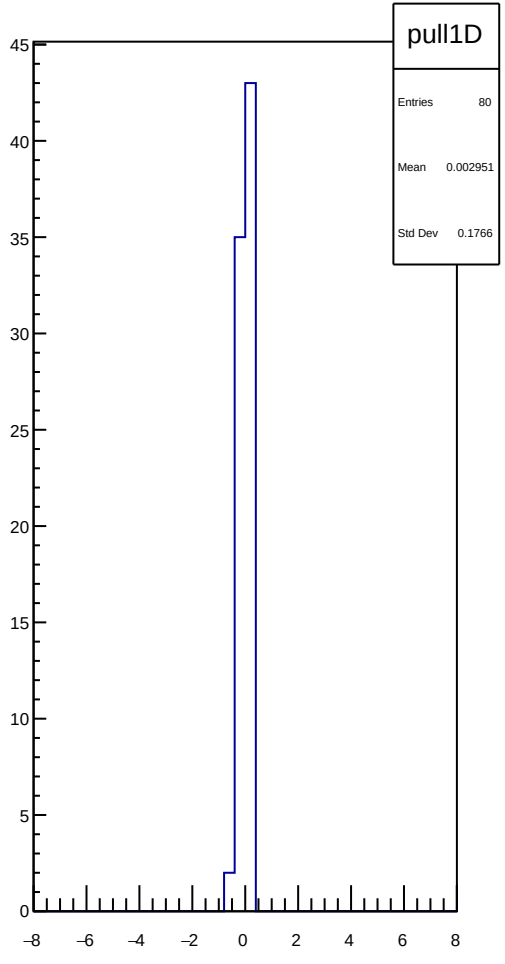

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.027 / 79
p0 24.4 ± 4.432
pull
Entries 80
Mean 898.2
Std Dev 832.2
pull1D
Entries 80
Mean −0.0005902
Std Dev 0.1592

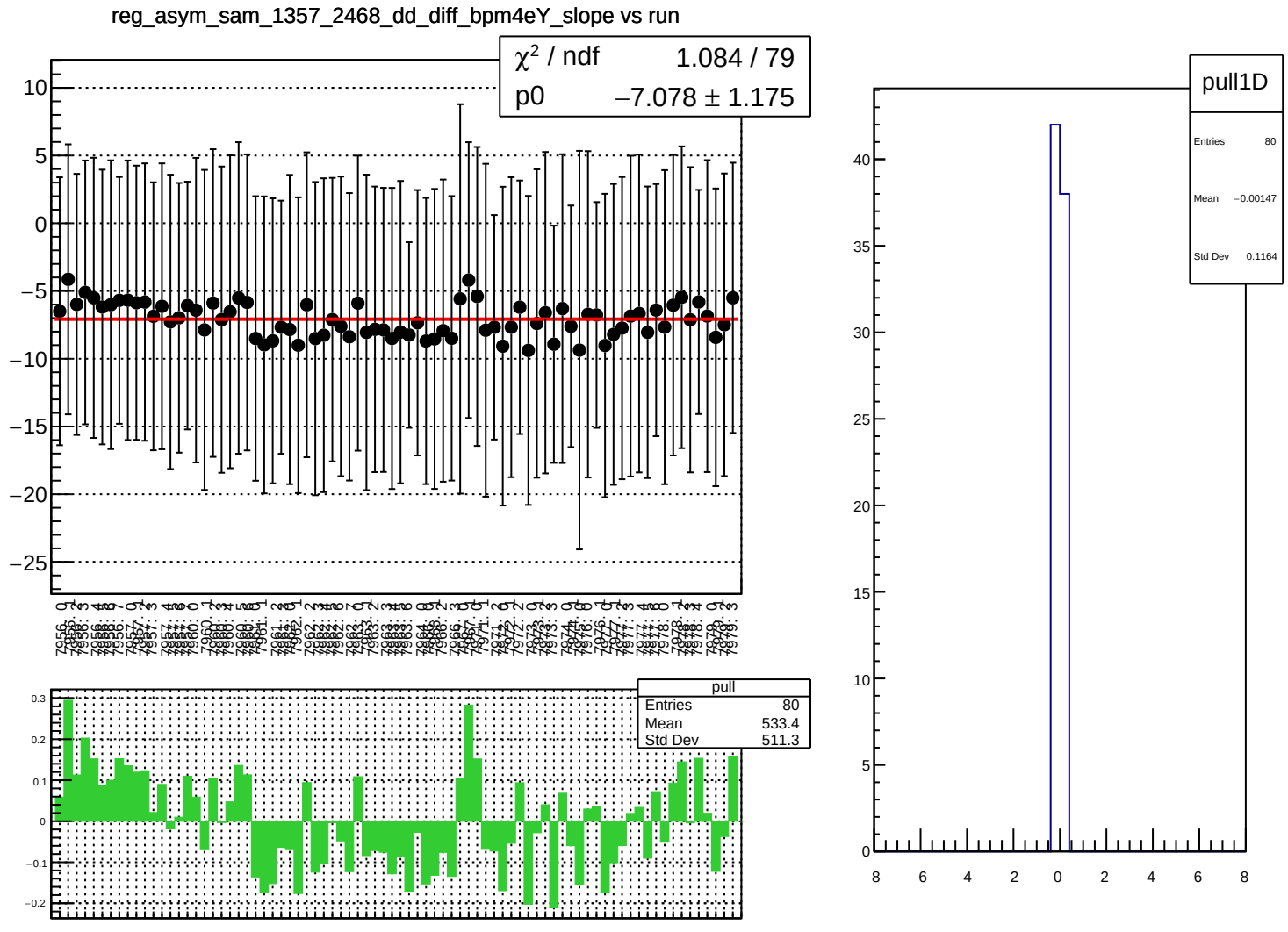

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 12.14 / 79
p0 −1.047 ± 0.1278
pull
Entries 80
Mean 185.5
Std Dev 158.7
pull1D
Entries 80
Mean −0.01926
Std Dev 0.389

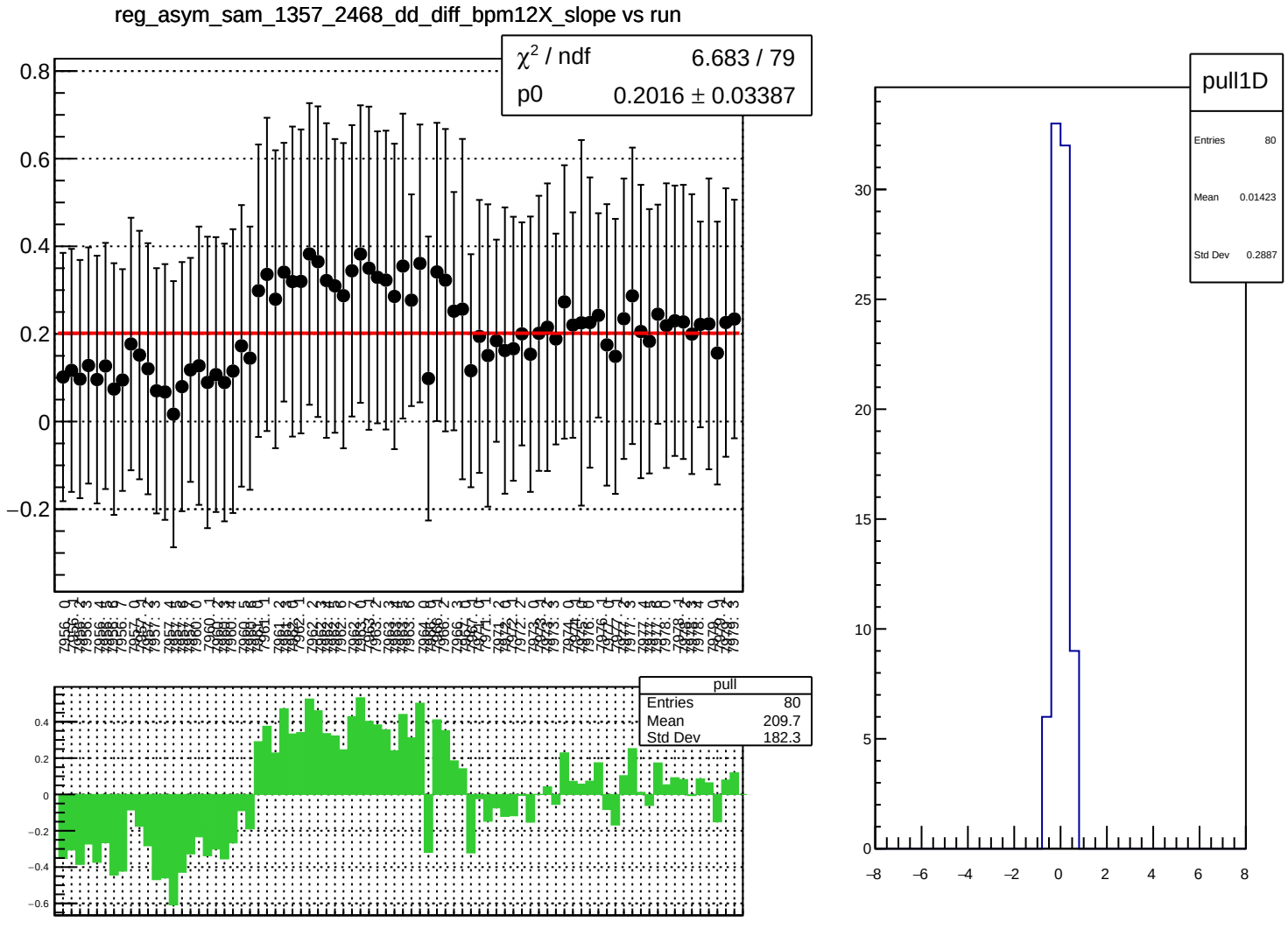

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 4.377 / 79
p0 12.49 ± 0.9927
pull
Entries 80
Mean 123.2
Std Dev 131.4
pull1D
Entries 80
Mean 0.004042
Std Dev 0.2339

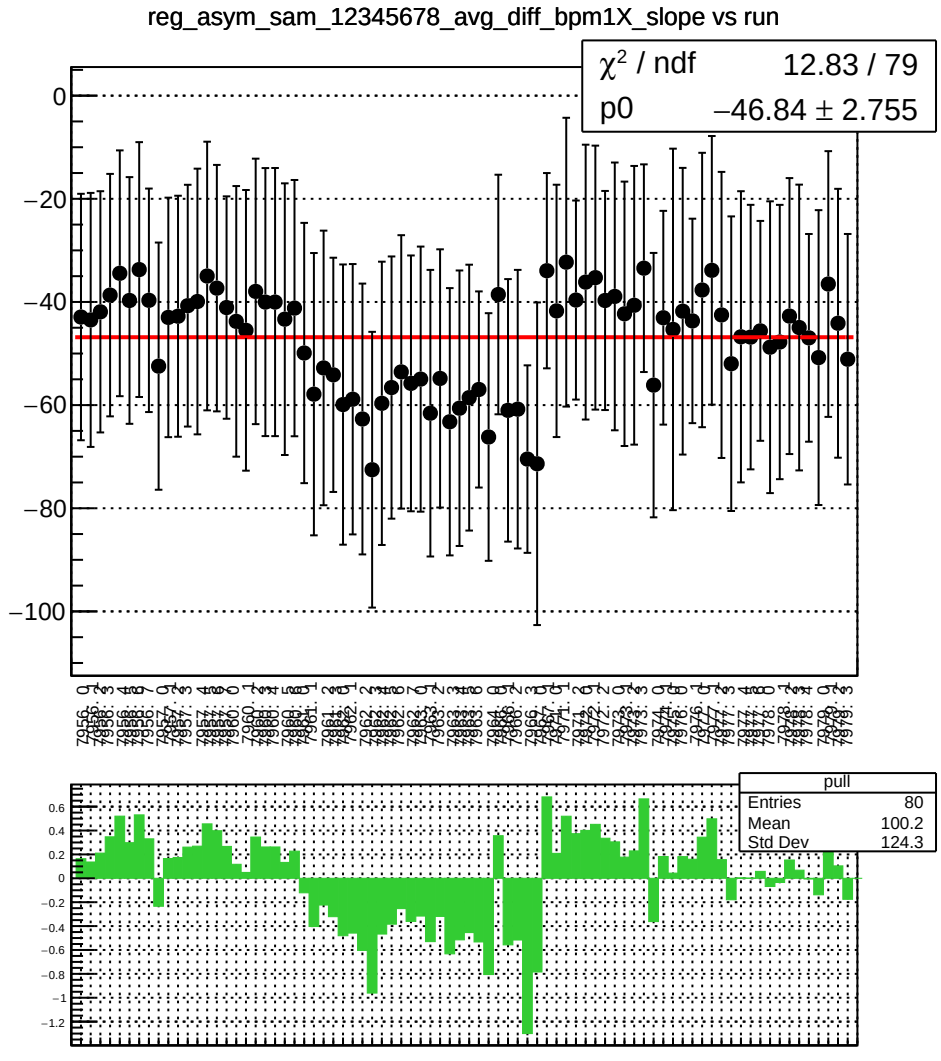

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.045 / 79
p0 1.522 ± 1.026
pull
Entries 80
Mean 929.6
Std Dev 904.5
pull1D
Entries 80
Mean 0.0007471
Std Dev 0.1143

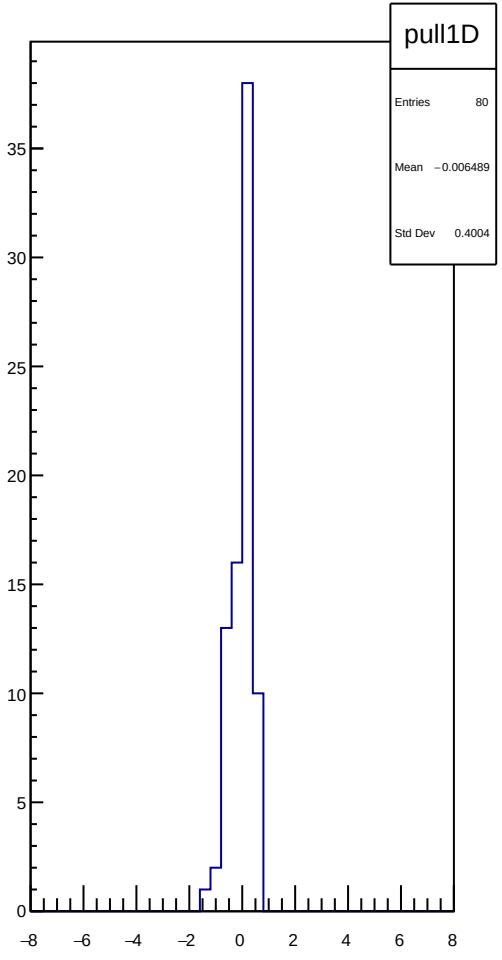

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.495 / 79
p0 15.44 ± 0.8792
pull
Entries 80
Mean 624.9
Std Dev 588.8

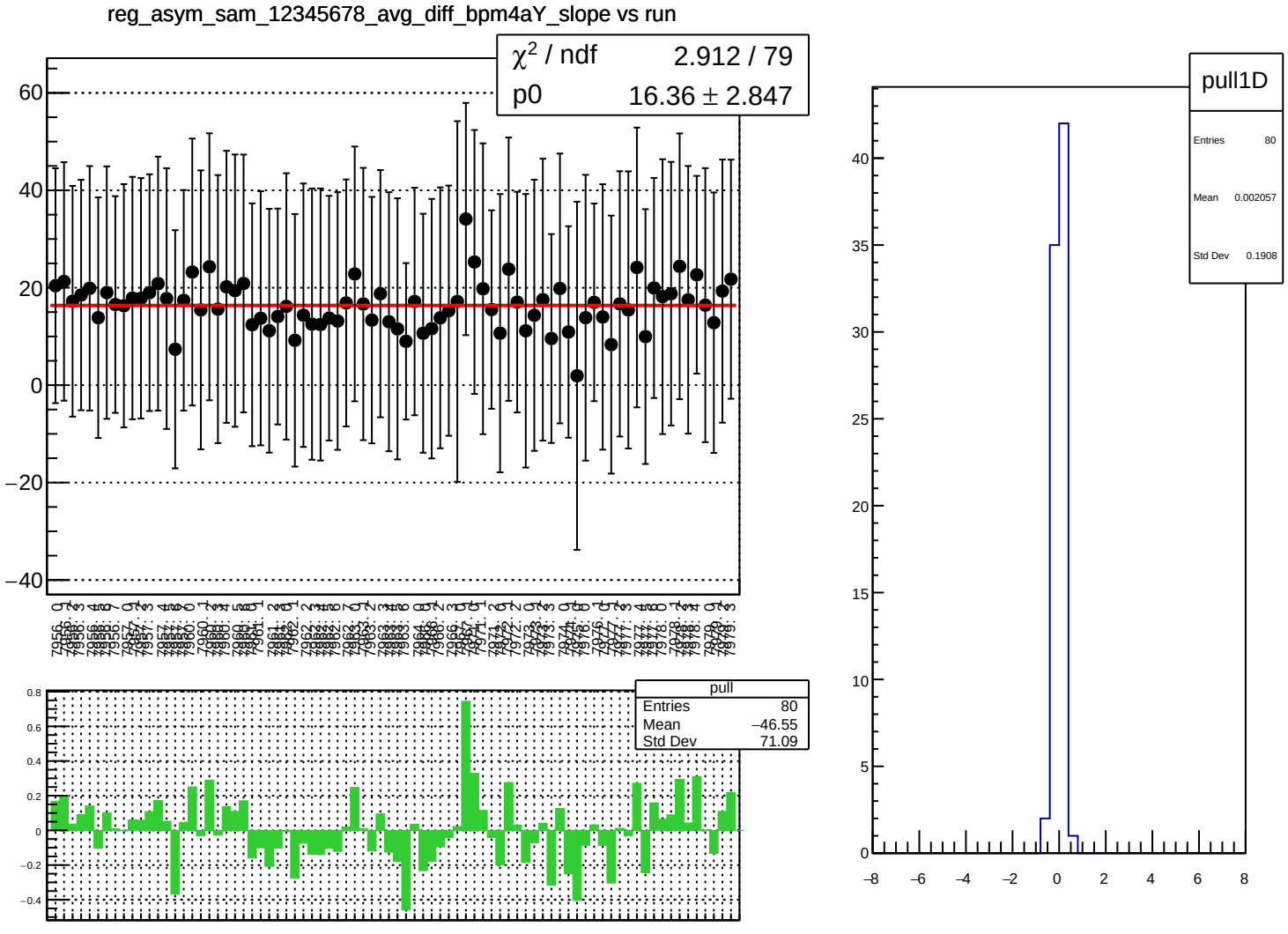

pull1D
Entries 80
Mean 0.002951
Std Dev 0.1766

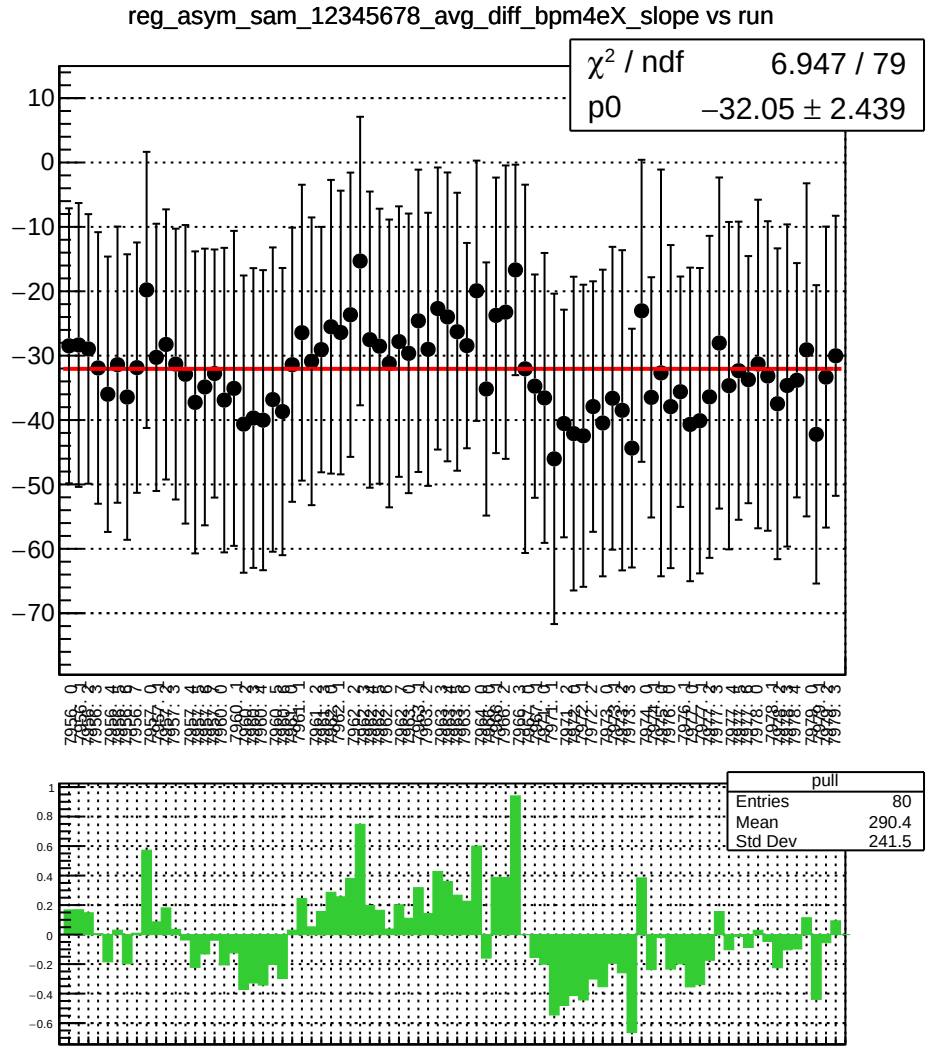

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.084 / 79
p0 −7.078 ± 1.175
pull
Entries 80
Mean 533.4
Std Dev 511.3
pull1D
Entries 80
Mean −0.00147
Std Dev 0.1164

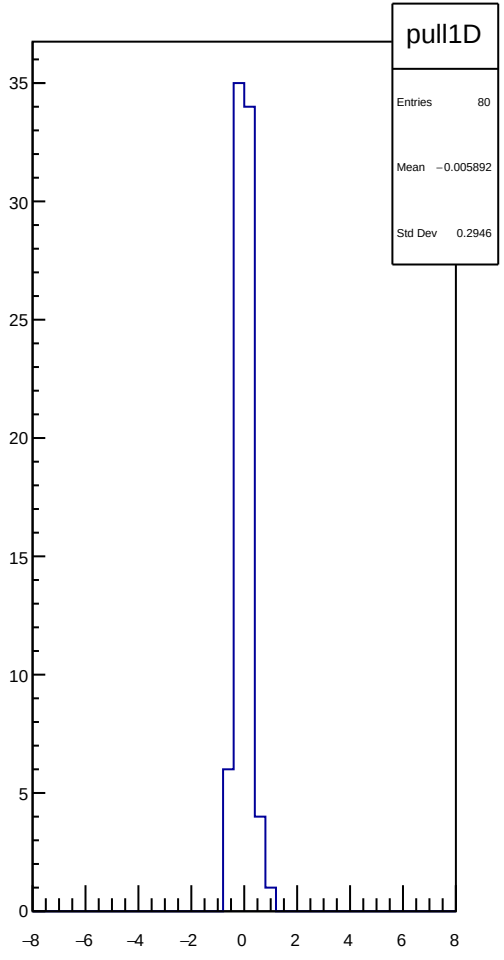

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 6.683 / 79
p0 0.2016 ± 0.03387
pull
Entries 80
Mean 209.7
Std Dev 182.3
pull1D
Entries 80
Mean 0.01423
Std Dev 0.2887

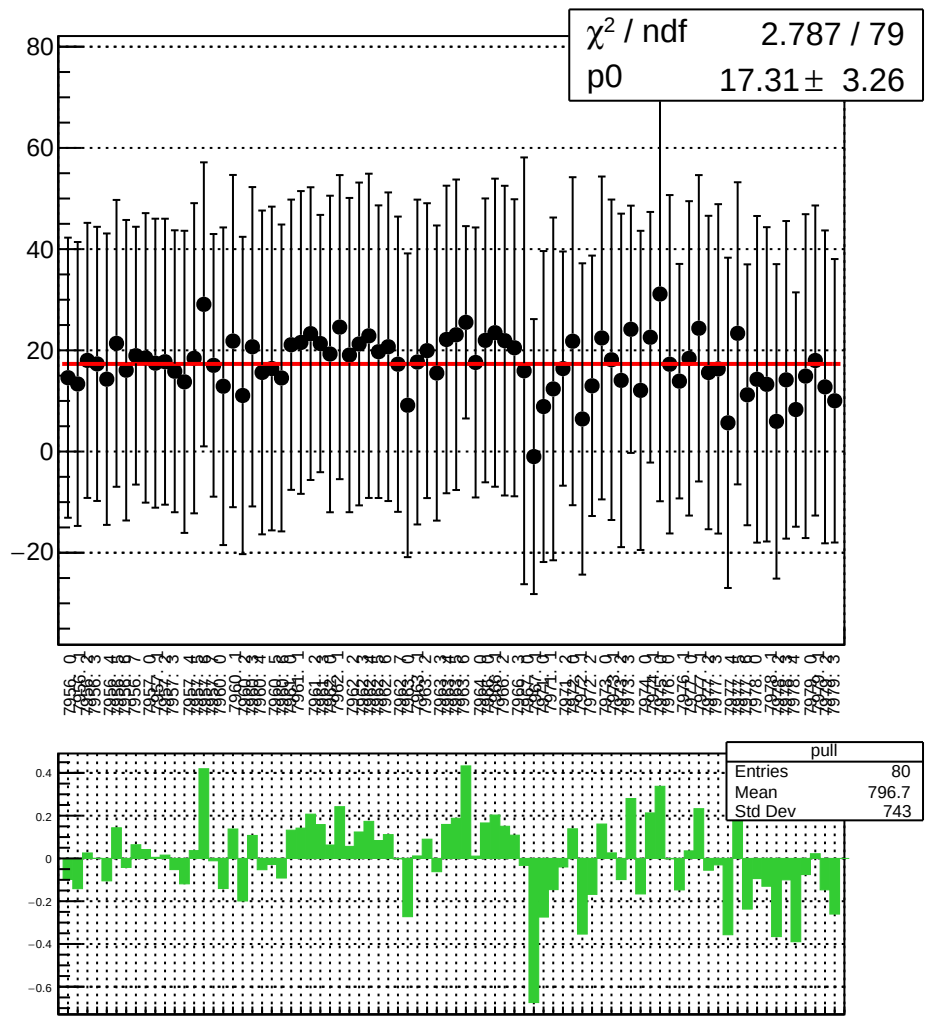

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 12.83 / 79
p0 −46.84 ± 2.755
pull
Entries 80
Mean 100.2
Std Dev 124.3

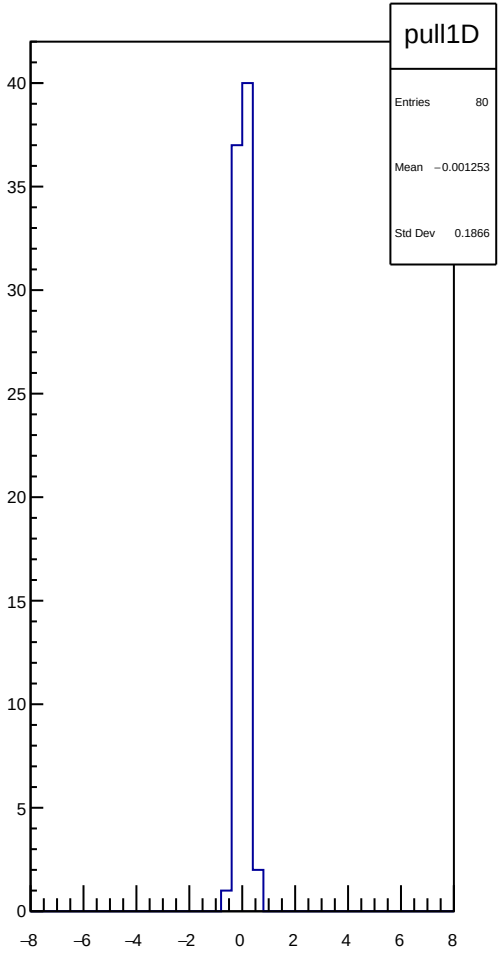

pull1D
Entries 80
Mean −0.006489
Std Dev 0.4004

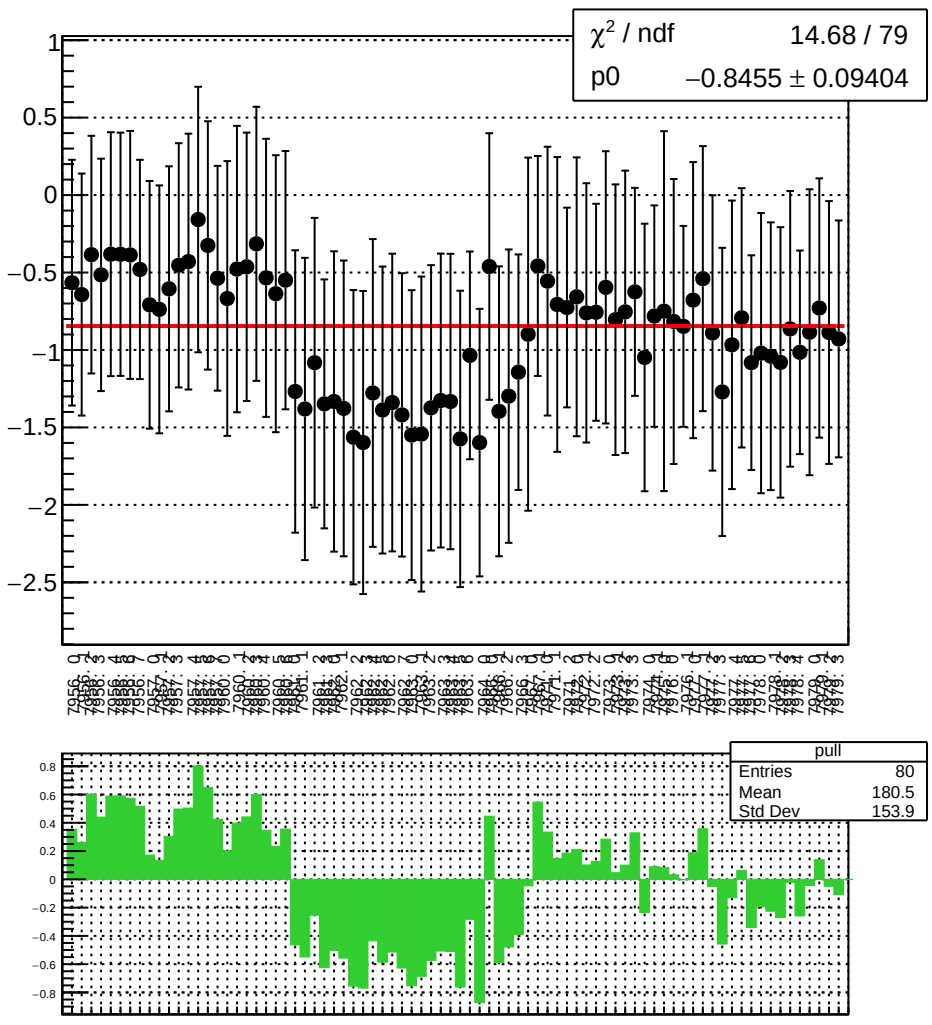

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.912 / 79
p0 16.36 ± 2.847
pull
Entries 80
Mean −46.55
Std Dev 71.09
pull1D
Entries 80
Mean 0.002057
Std Dev 0.1908

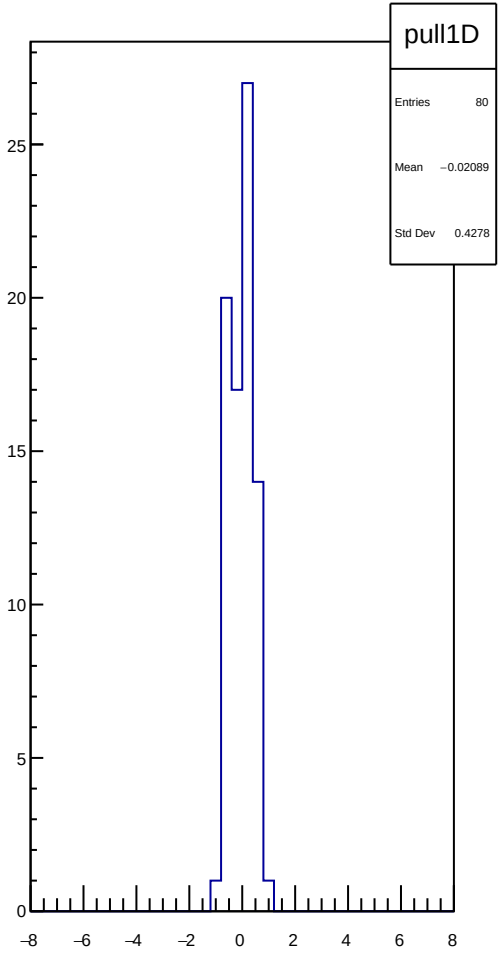

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.947 / 79
p0 −32.05 ± 2.439
pull
Entries 80
Mean 290.4
Std Dev 241.5

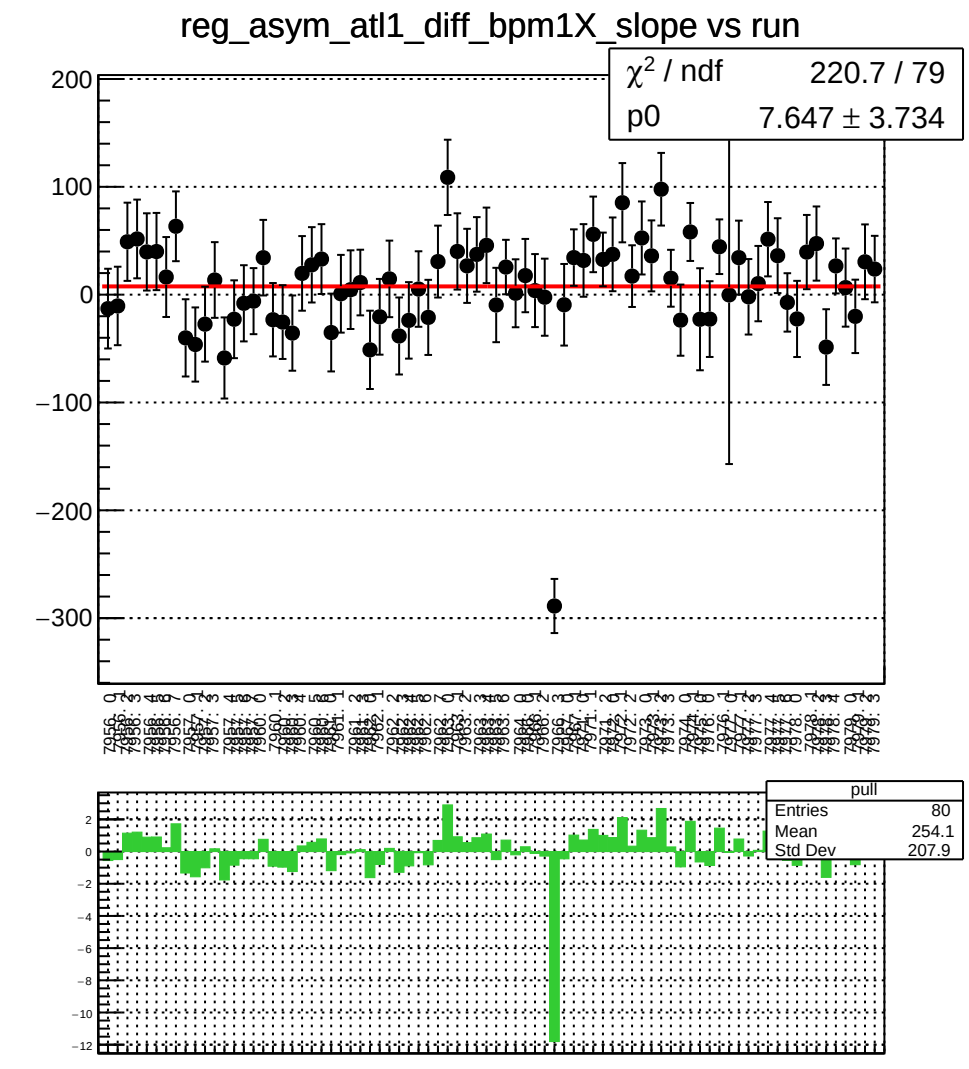

pull1D
Entries 80
Mean −0.005892
Std Dev 0.2946

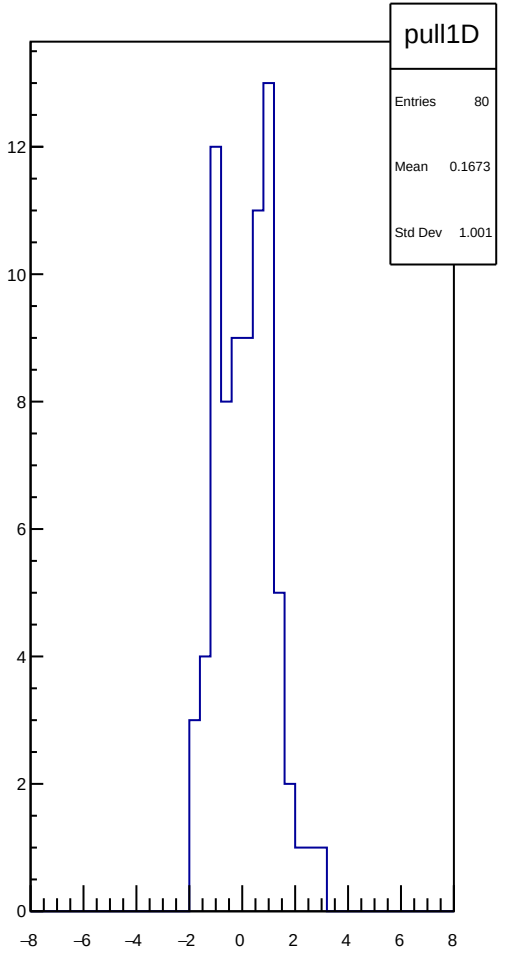

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.787 / 79
p0 17.31 ± 3.26
pull
Entries 80
Mean 796.7
Std Dev 743

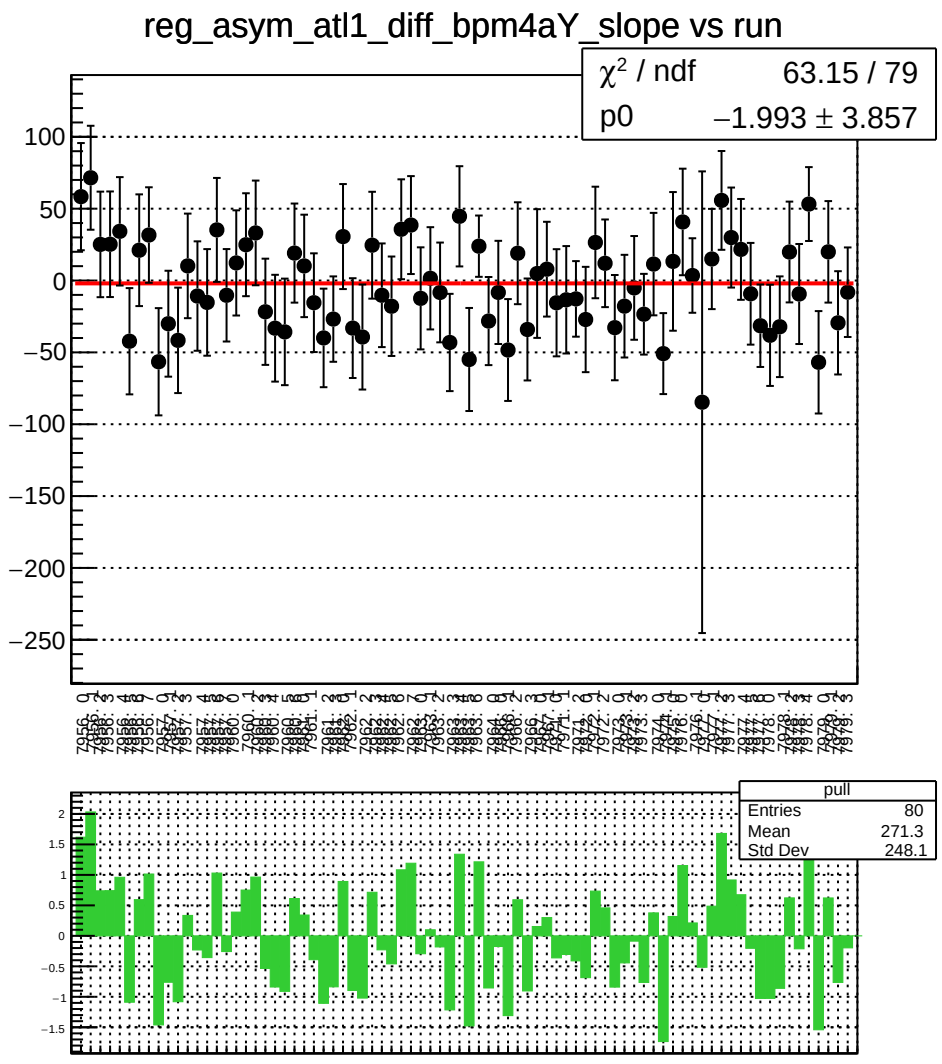

pull1D
Entries 80
Mean −0.001253
Std Dev 0.1866

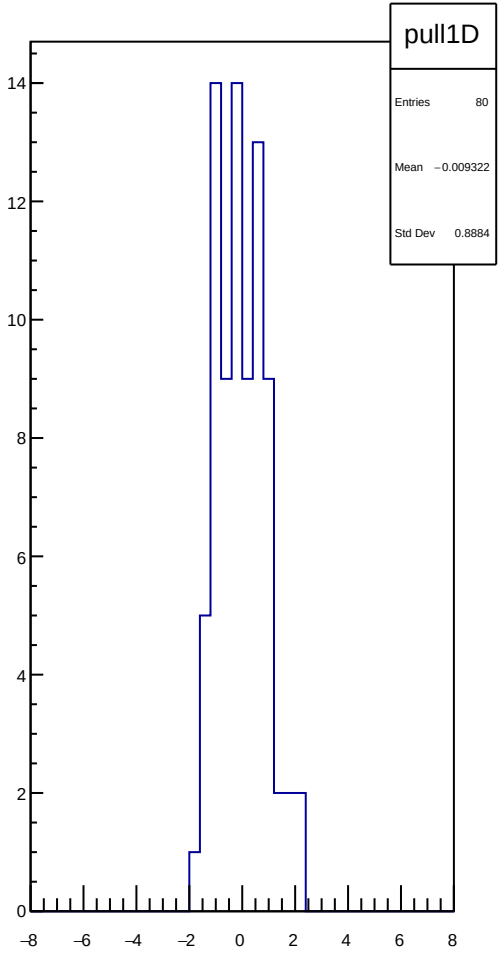

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 14.68 / 79
p0 −0.8455 ± 0.09404
pull
Entries 80
Mean 180.5
Std Dev 153.9

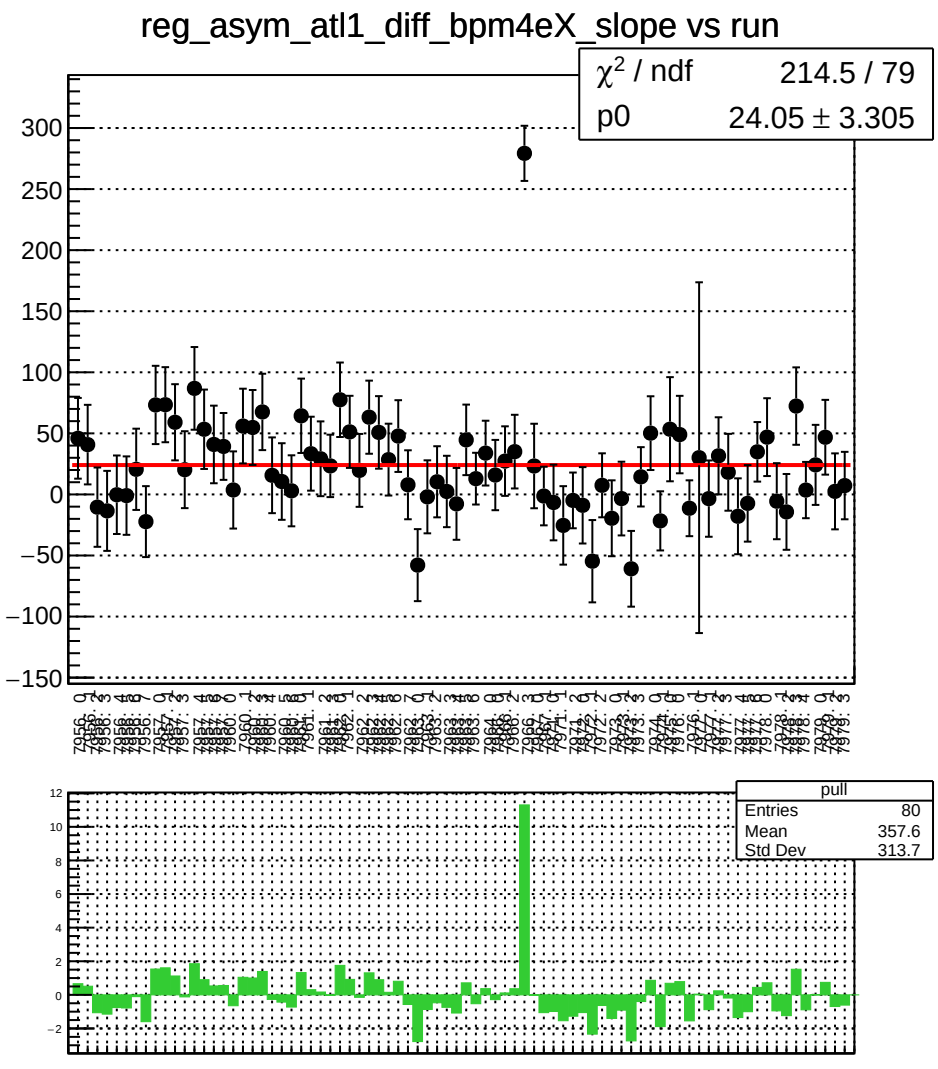

pull1D
Entries 80
Mean −0.02089
Std Dev 0.4278

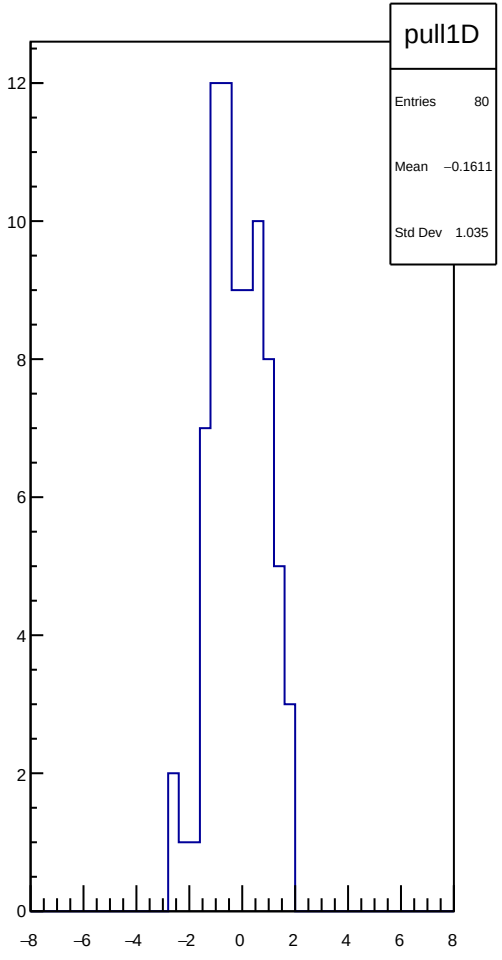

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 220.7 / 79
p0 7.647 ± 3.734
pull
Entries 80
Mean 254.1
Std Dev 207.9

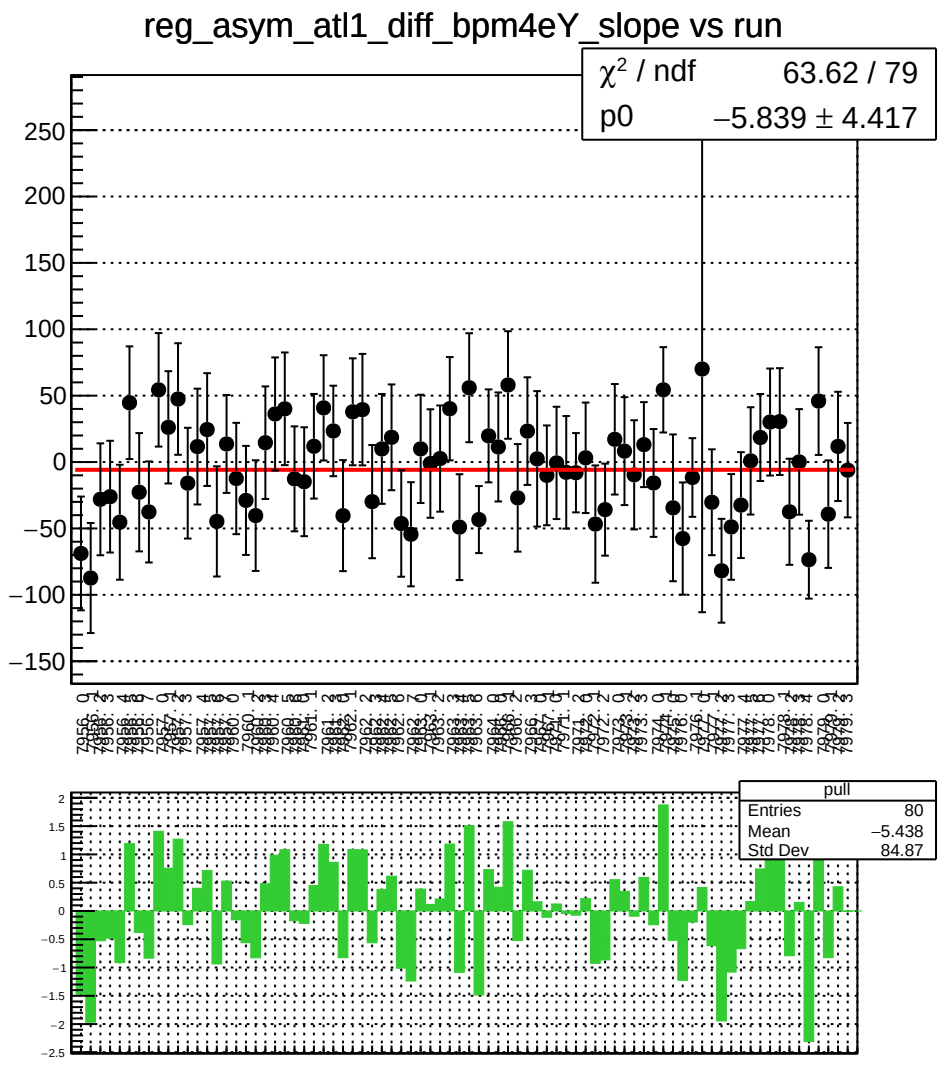

pull1D
Entries 80
Mean 0.1673
Std Dev 1.001

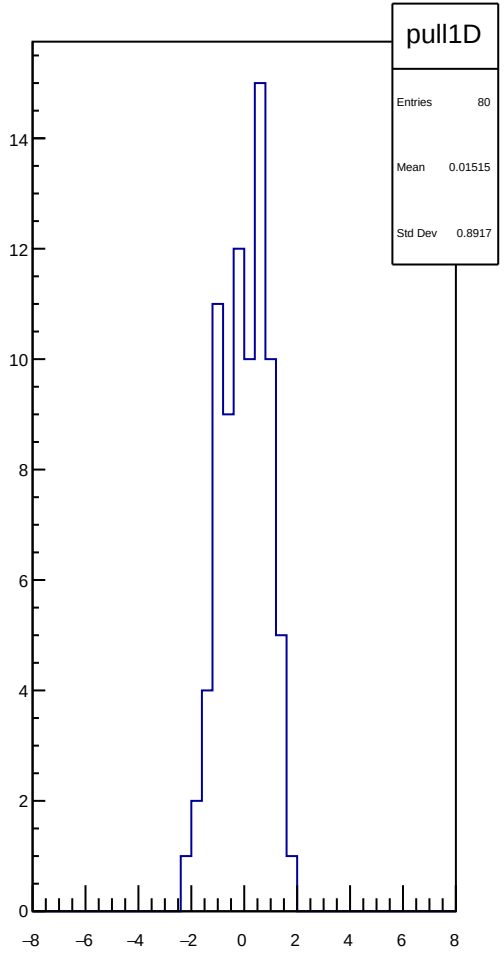

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 63.15 / 79
p0 −1.993 ± 3.857
pull
Entries 80
Mean 271.3
Std Dev 248.1

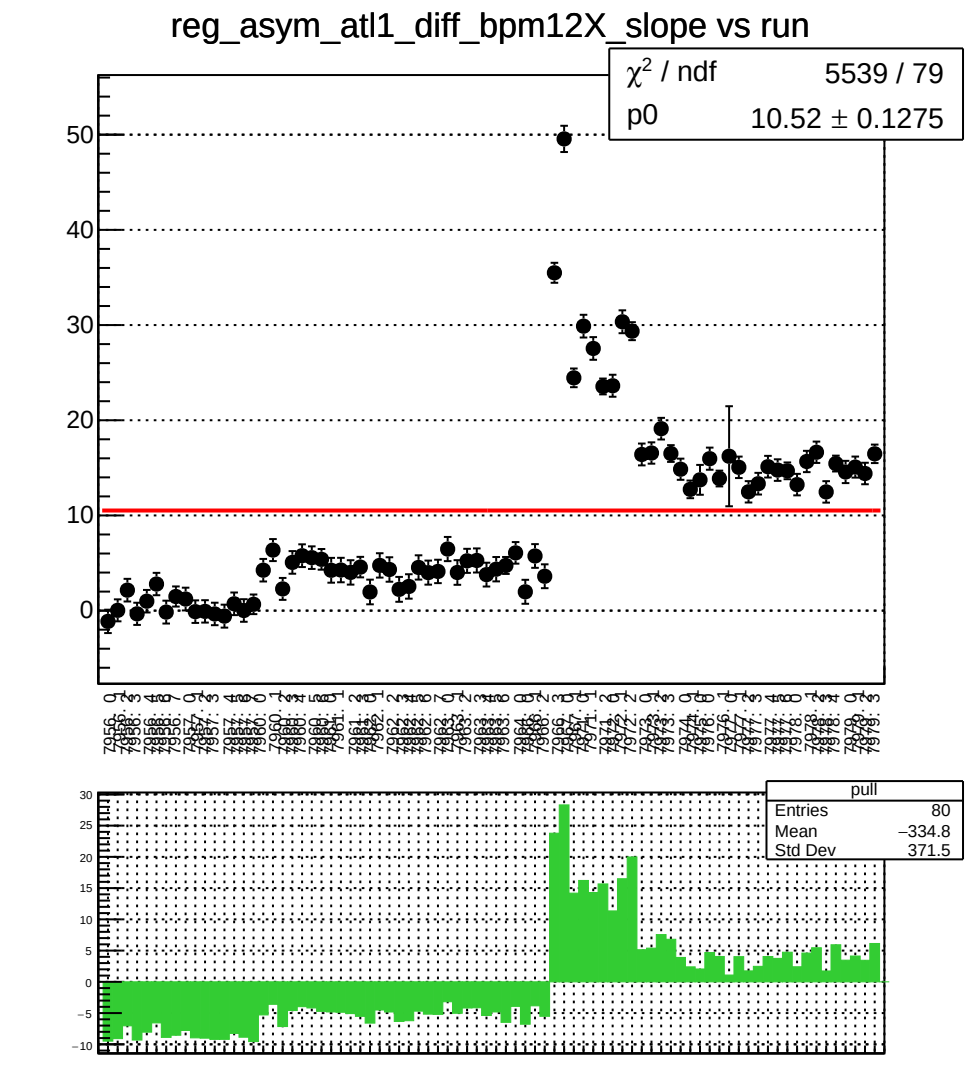

pull1D
Entries 80
Mean −0.009322
Std Dev 0.8884

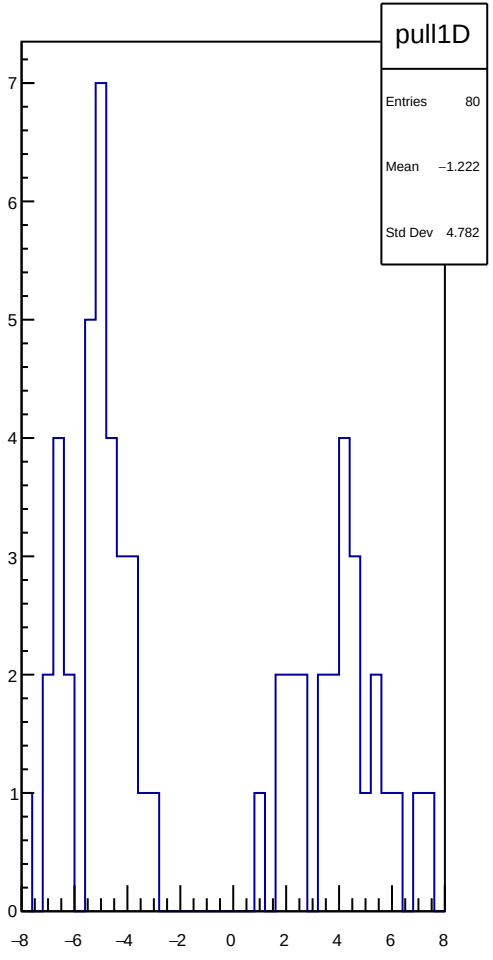

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 214.5 / 79
p0 24.05 ± 3.305
pull
Entries 80
Mean 357.6
Std Dev 313.7

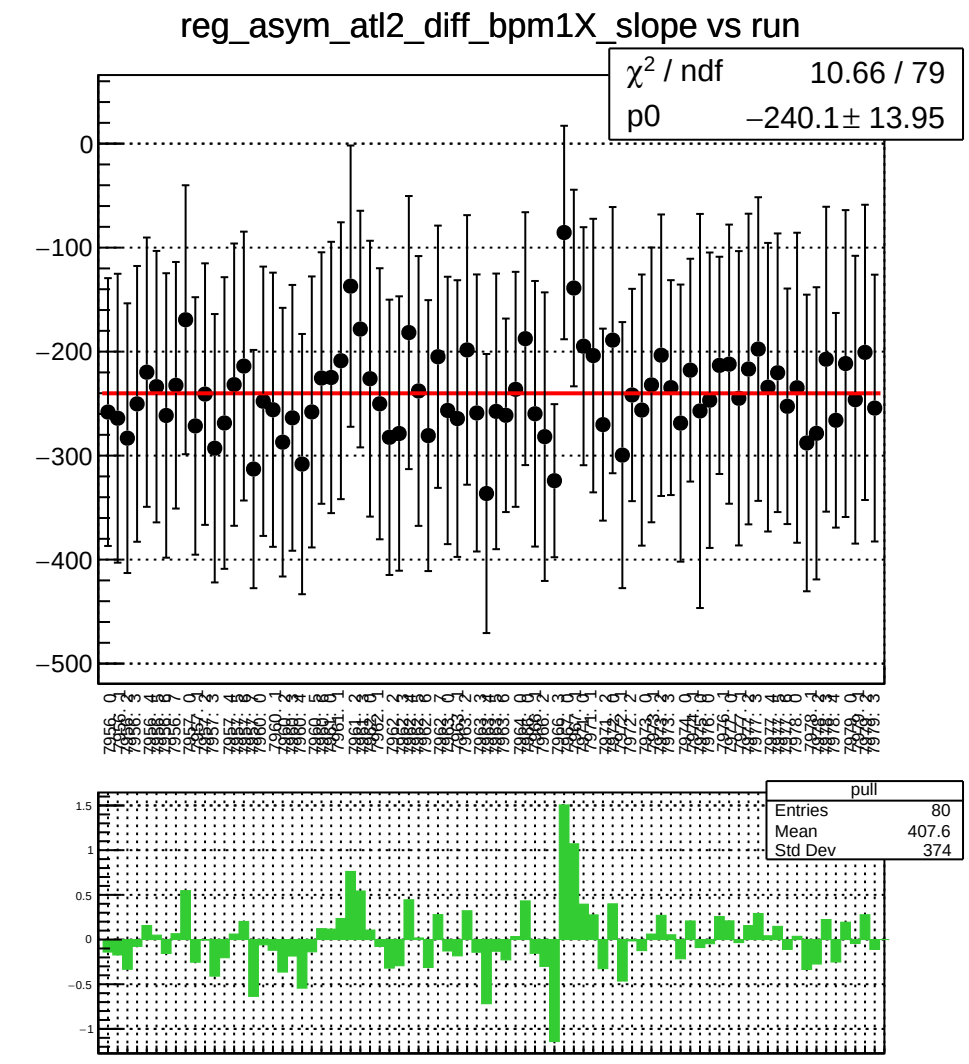

pull1D
Entries 80
Mean −0.1611
Std Dev 1.035

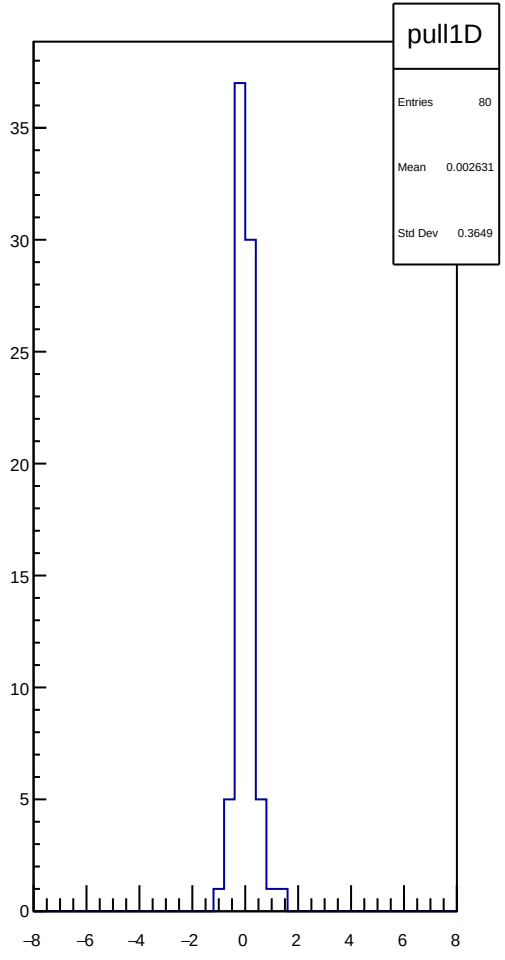

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 63.62 / 79
p0 −5.839 ± 4.417
pull
Entries 80
Mean −5.438
Std Dev 84.87

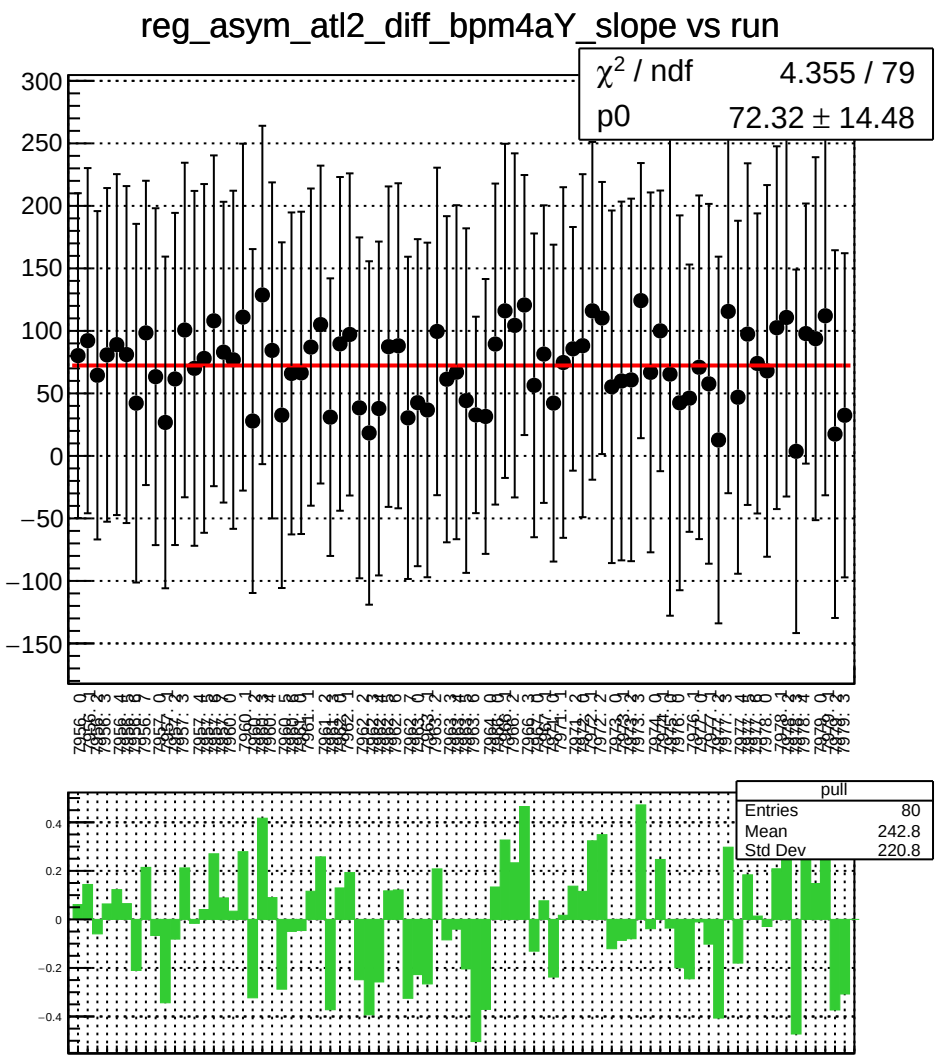

pull1D
Entries 80
Mean 0.01515
Std Dev 0.8917

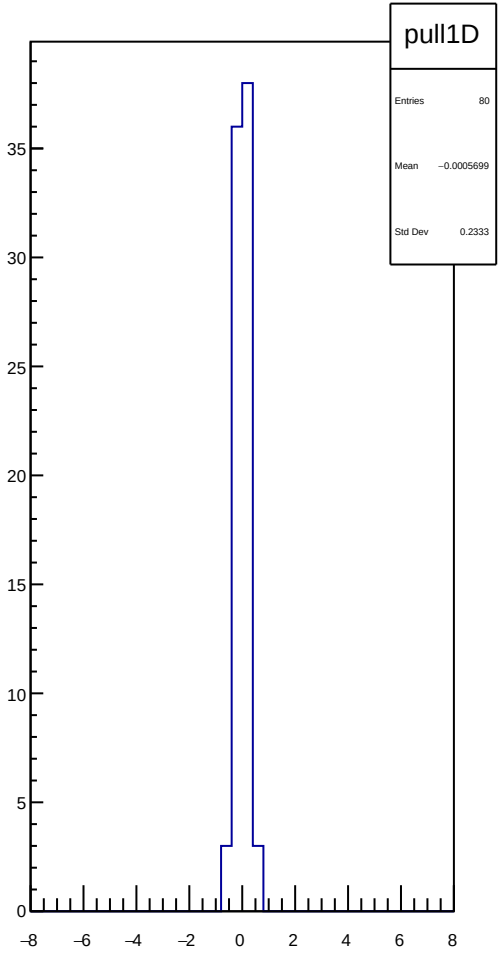

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 5539 / 79
p0 10.52 ± 0.1275
pull
Entries 80
Mean −334.8
Std Dev 371.5

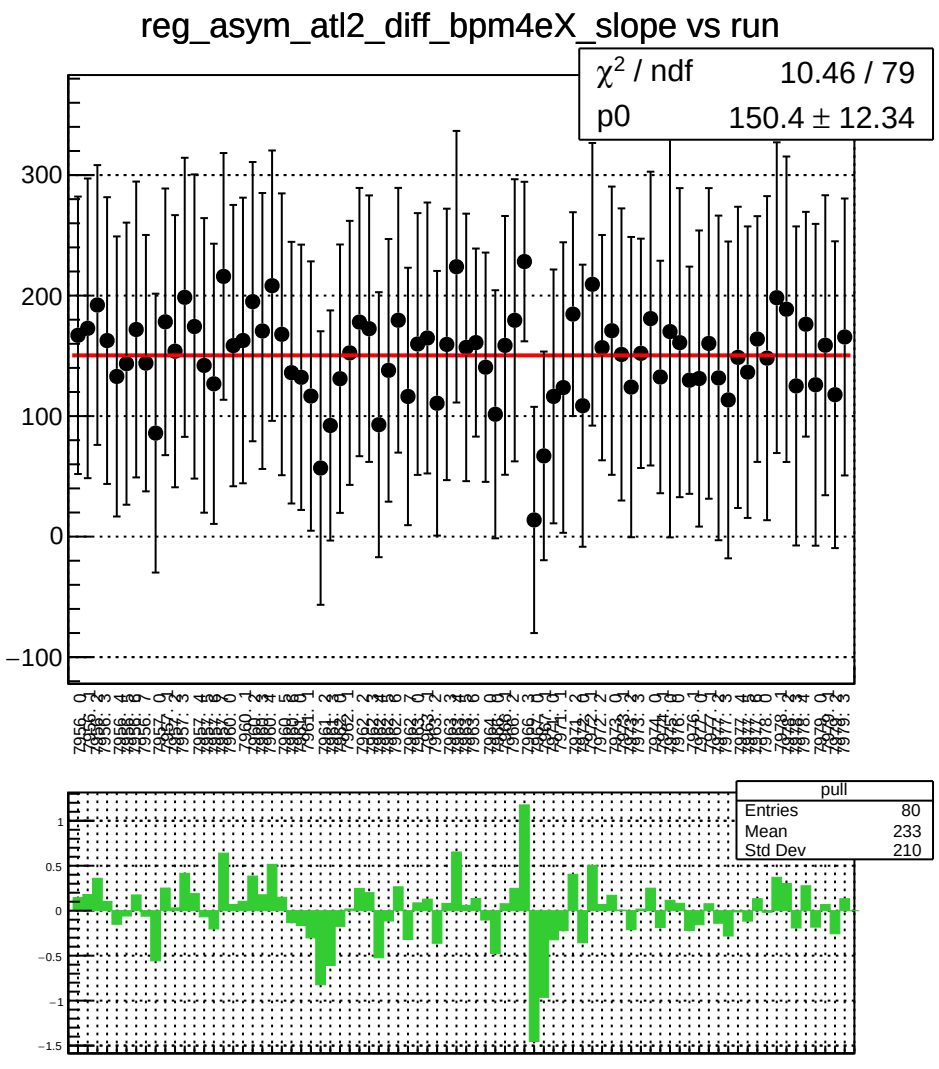

pull1D
Entries 80
Mean −1.222
Std Dev 4.782

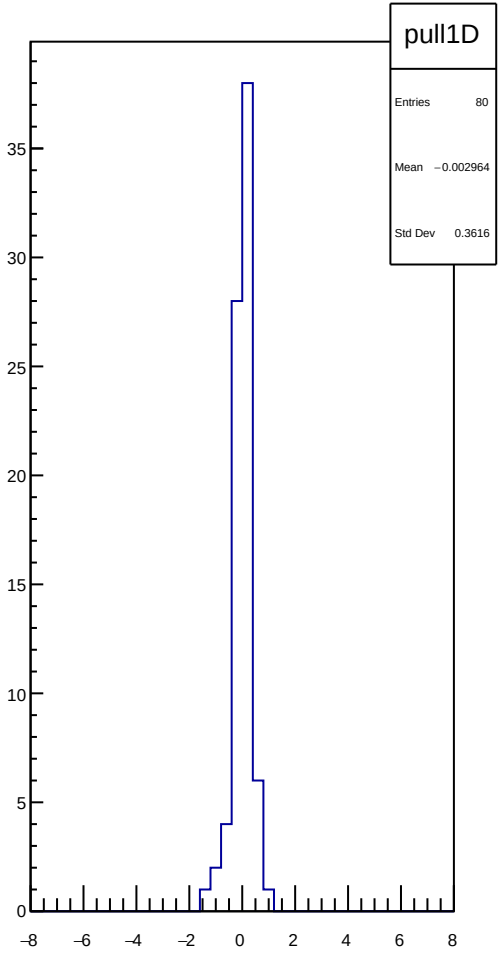

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 10.66 / 79
p0 −240.1± 13.95
pull
Entries 80
Mean 407.6
Std Dev 374

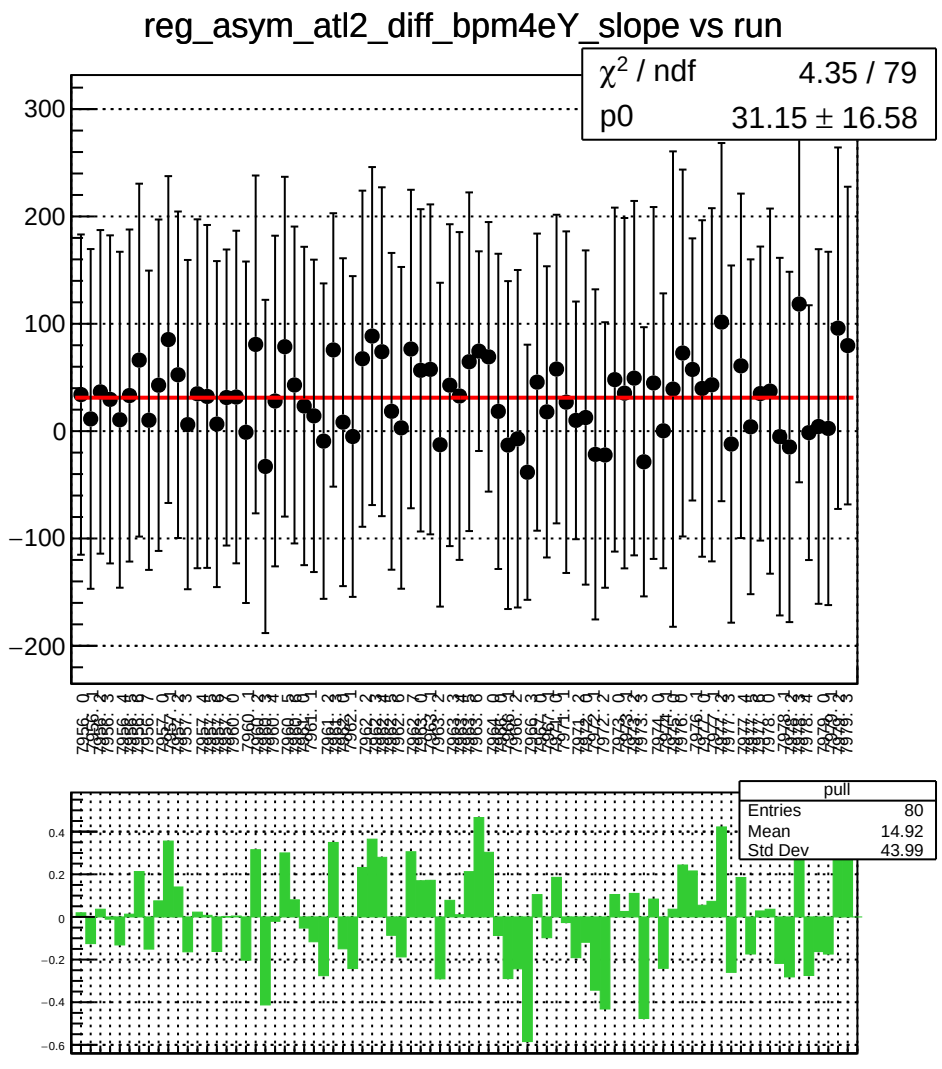

pull1D
Entries 80
Mean 0.002631
Std Dev 0.3649

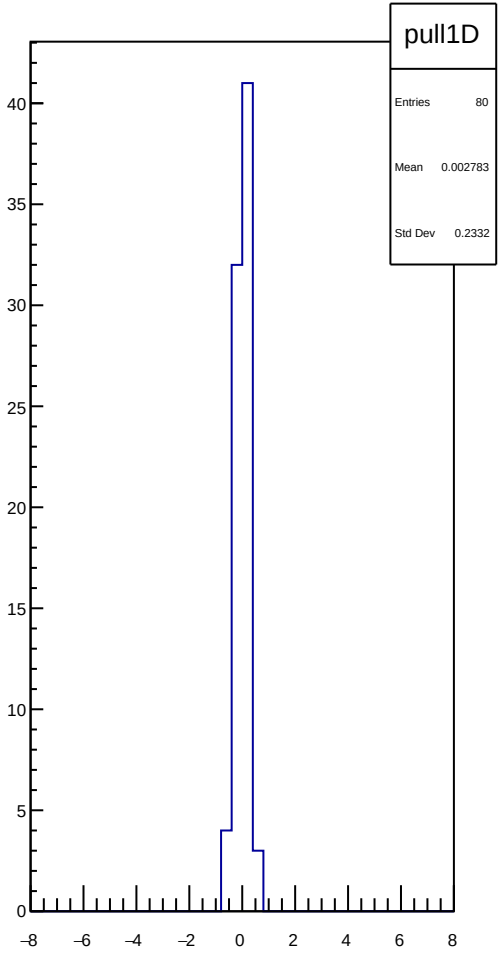

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.355 / 79
p0 72.32 ± 14.48
pull
Entries 80
Mean 242.8
Std Dev 220.8

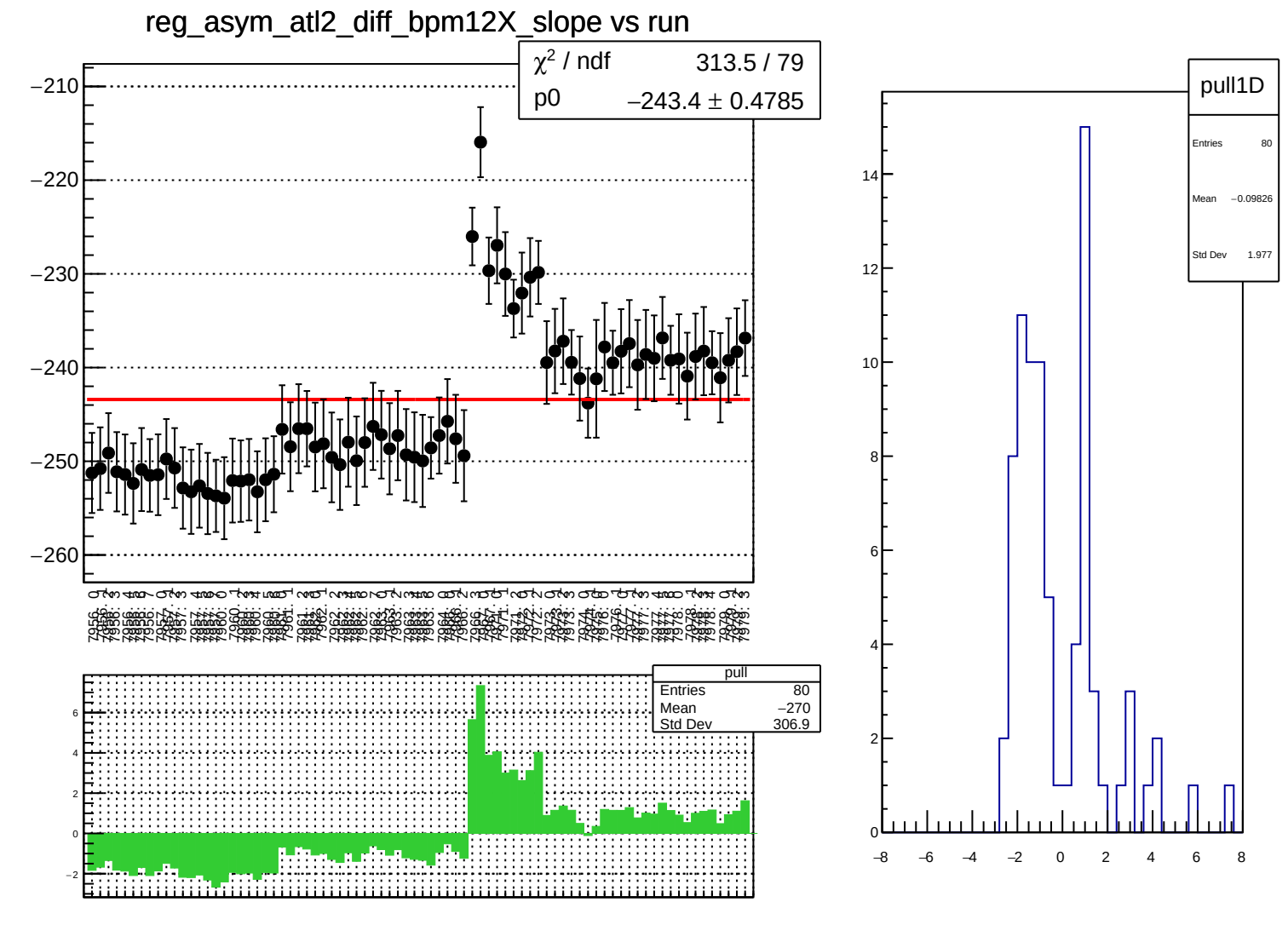

pull1D
Entries 80
Mean −0.0005699
Std Dev 0.2333

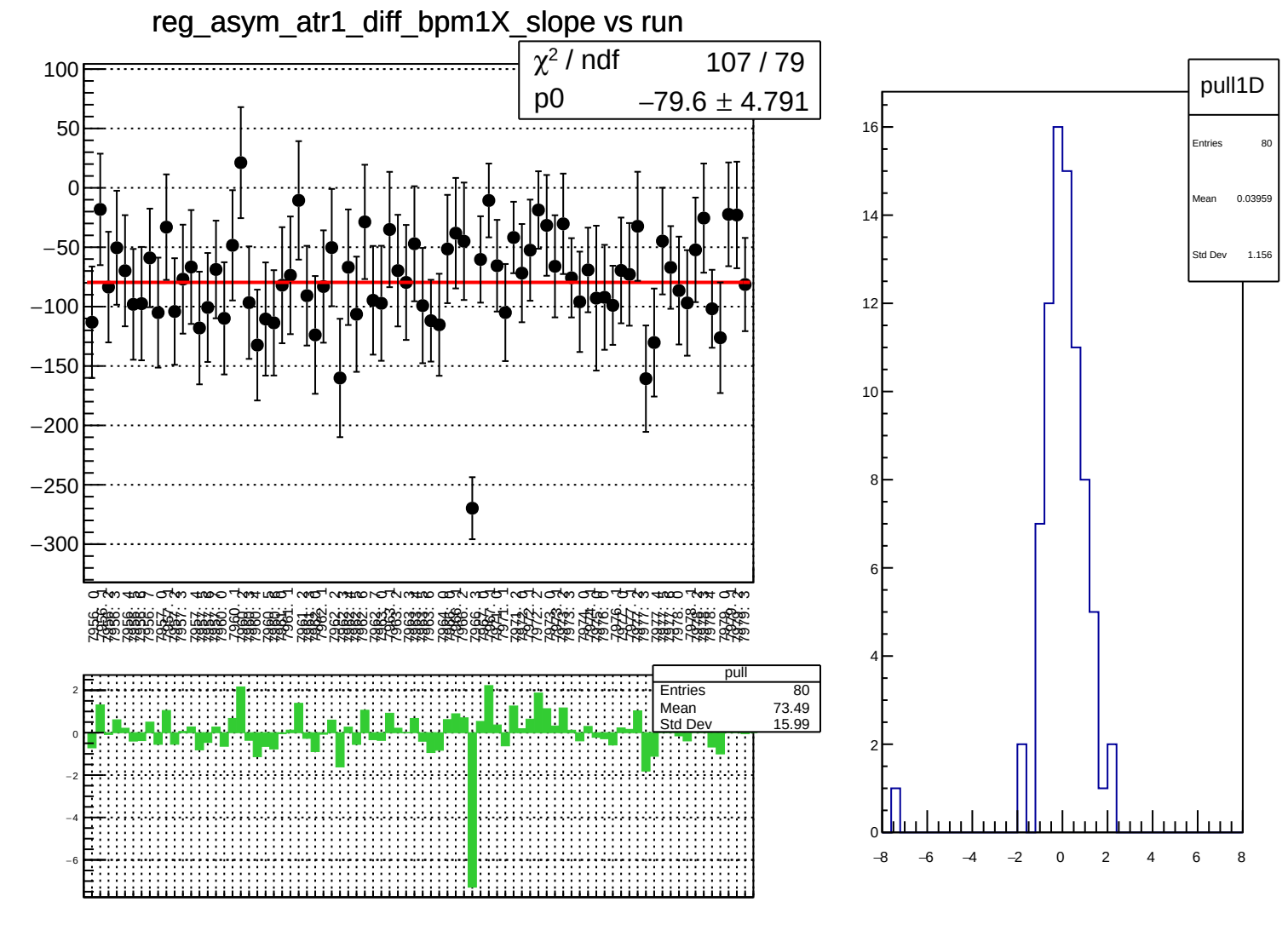

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 10.46 / 79
p0 150.4 ± 12.34
pull
Entries 80
Mean 233
Std Dev 210

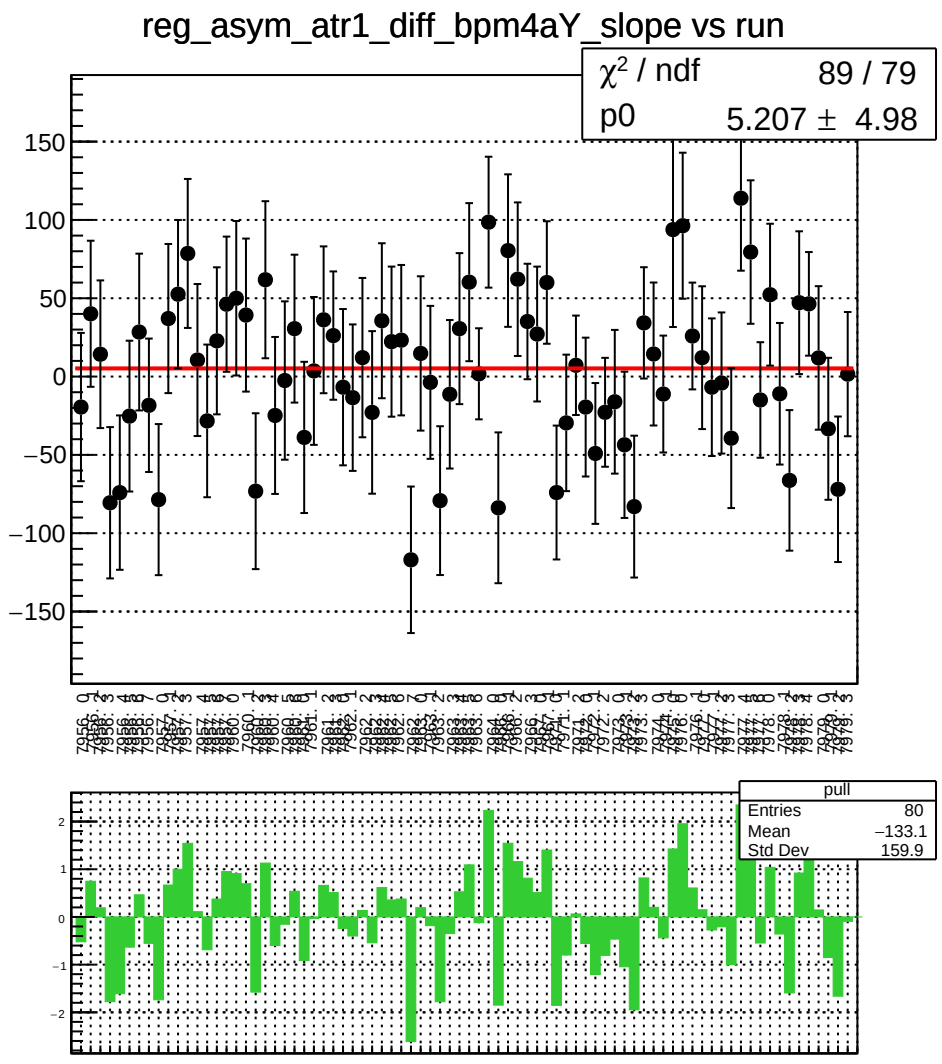

pull1D
Entries 80
Mean −0.002964
Std Dev 0.3616

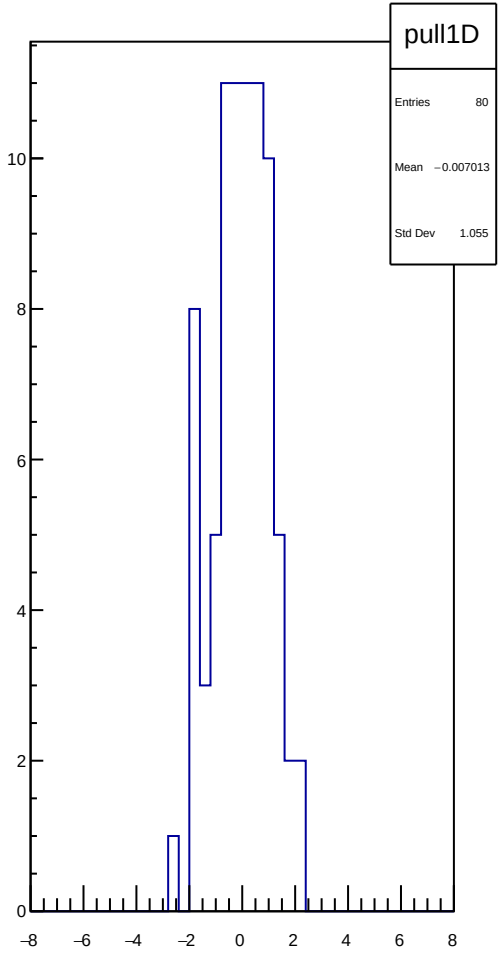

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.35 / 79
p0 31.15 ± 16.58
pull
Entries 80
Mean 14.92
Std Dev 43.99

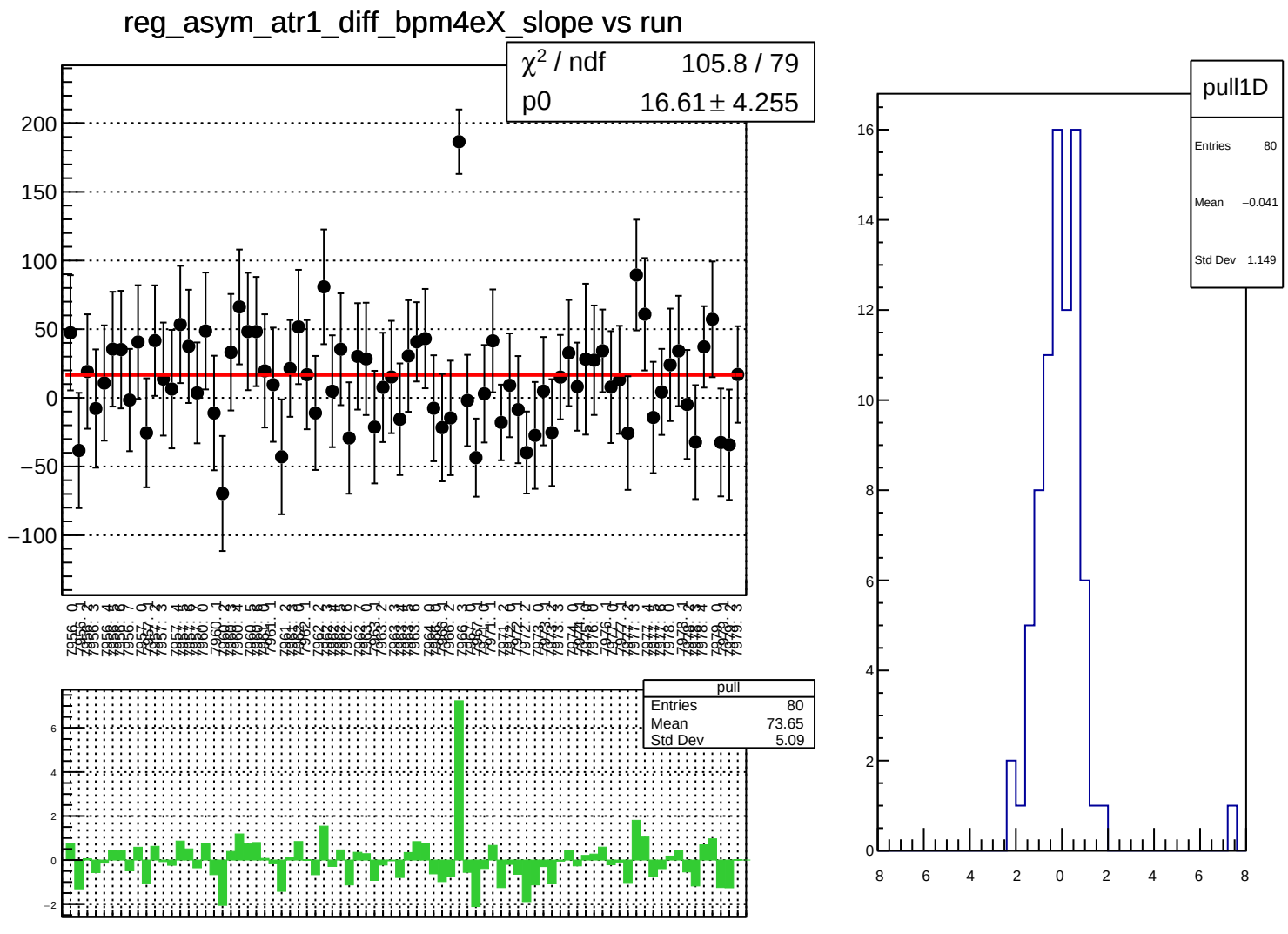

pull1D
Entries 80
Mean 0.002783
Std Dev 0.2332

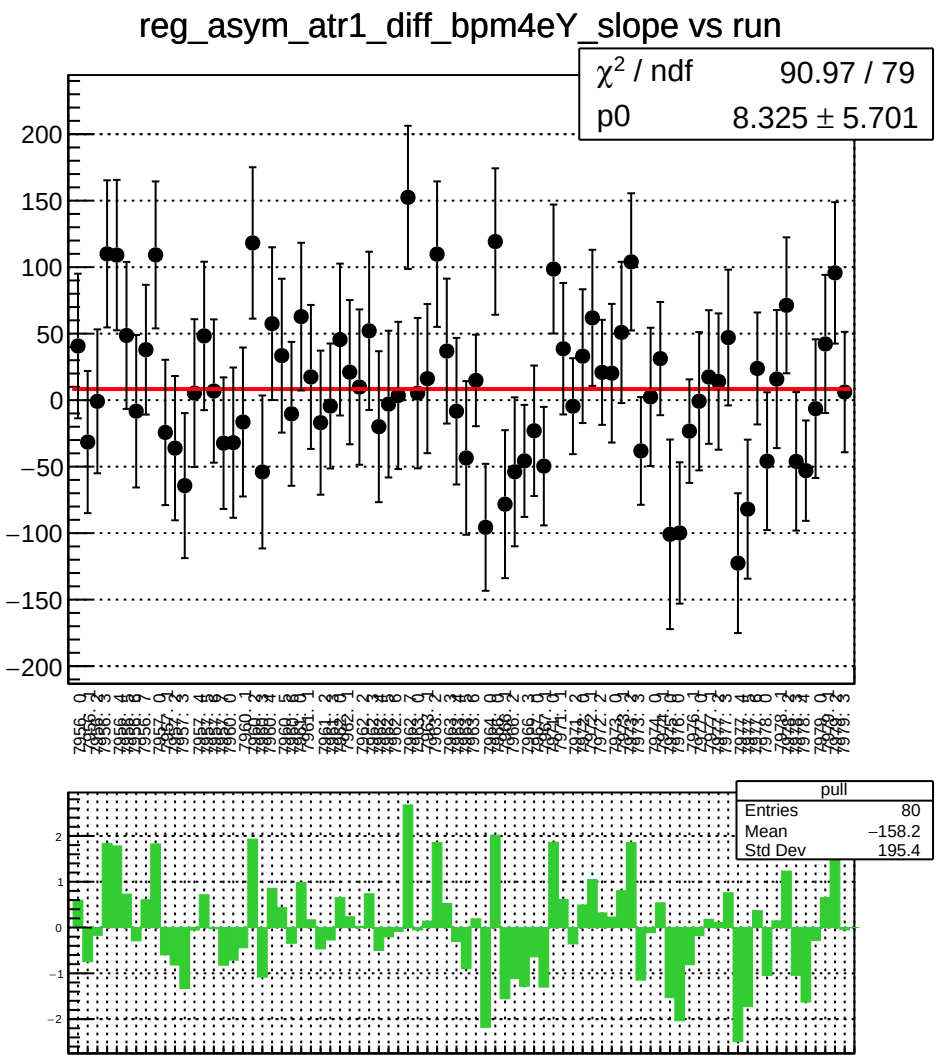

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 313.5 / 79
p0 −243.4 ± 0.4785
−210
−220
−230
−240
−250
−260
pull
Entries 80
Mean −270
Std Dev 306.9
6
4
2
0
−2
pull1D
Entries 80
Mean −0.09826
Std Dev 1.977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

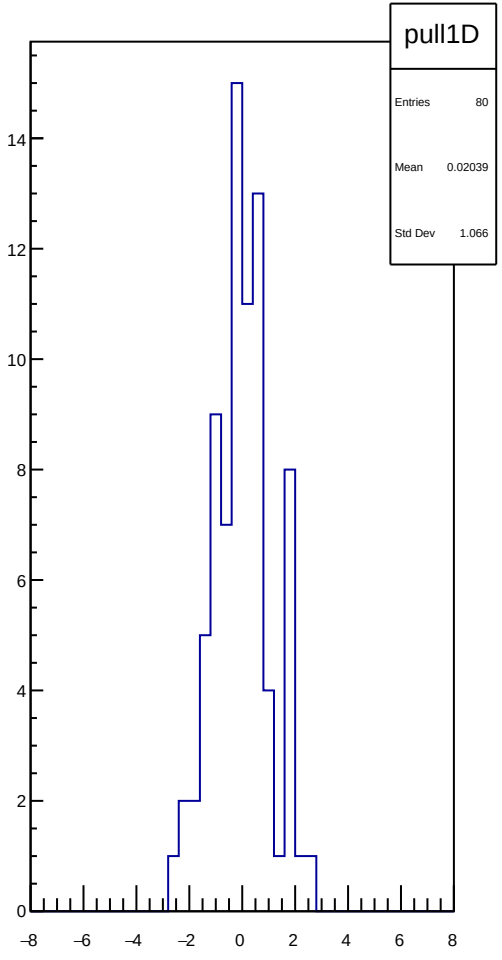

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 107 / 79
p0 −79.6 ± 4.791
pull
Entries 80
Mean 73.49
Std Dev 15.99
pull1D
Entries 80
Mean 0.03959
Std Dev 1.156

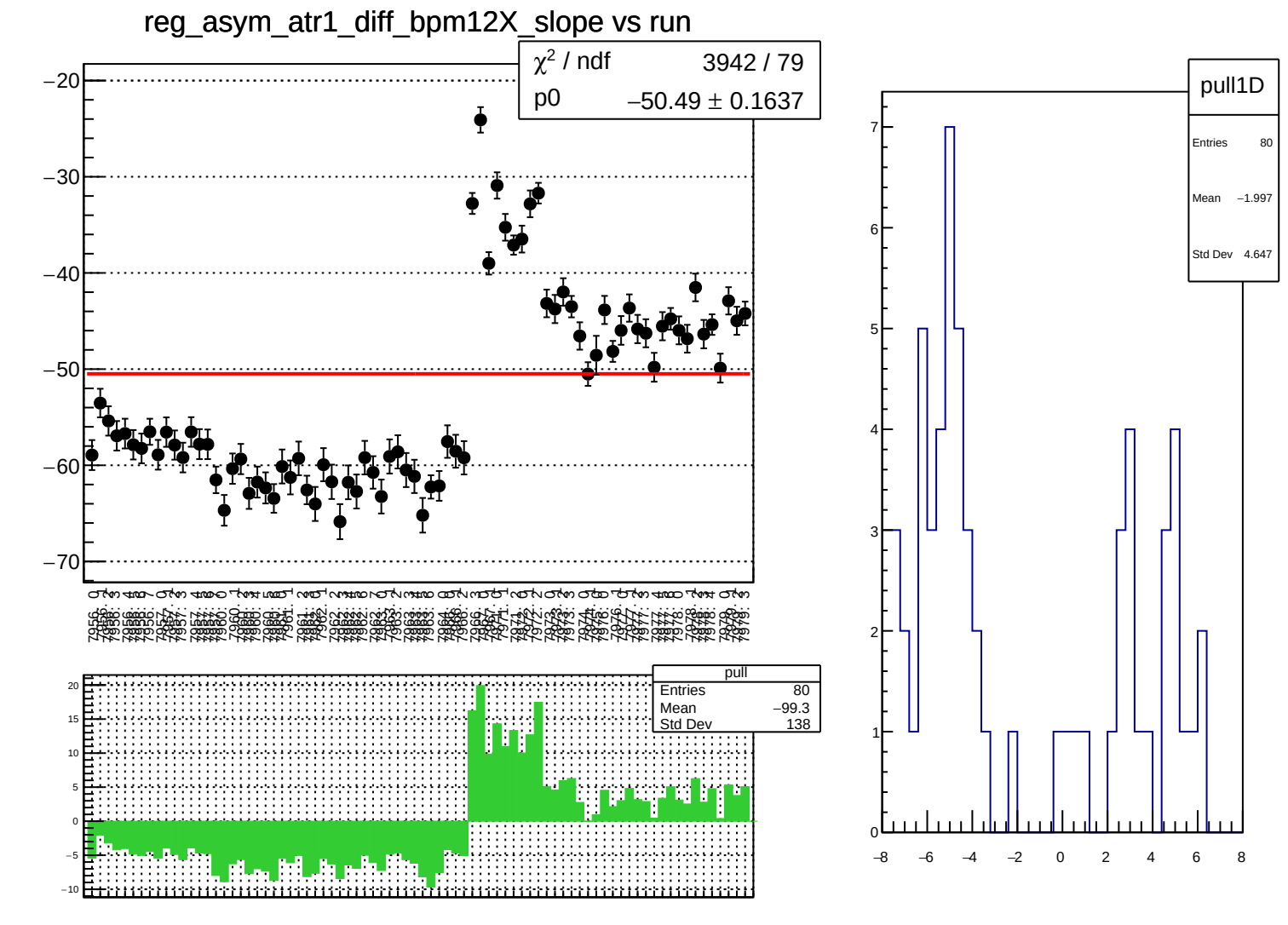

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 89 / 79
p0 5.207 ± 4.98
pull
Entries 80
Mean −133.1
Std Dev 159.9

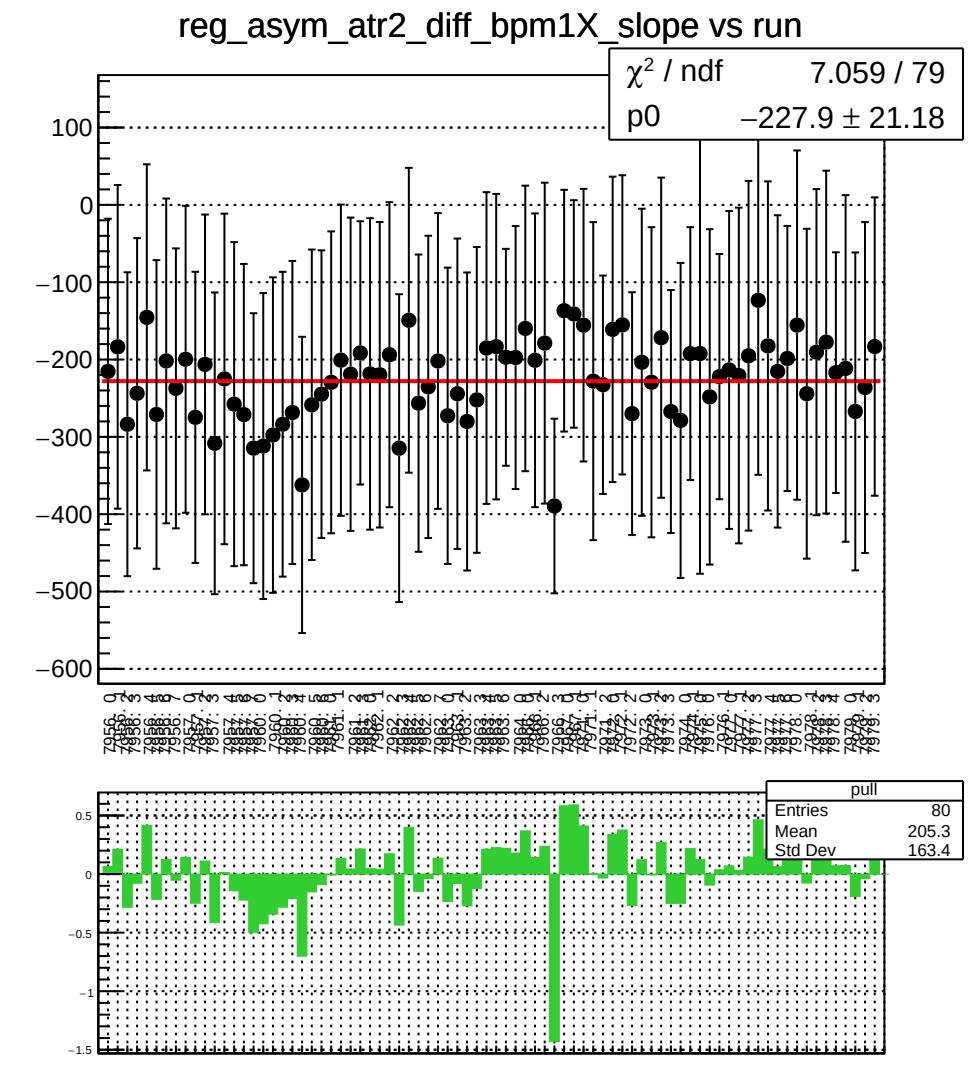

pull1D
Entries 80
Mean −0.007013
Std Dev 1.055

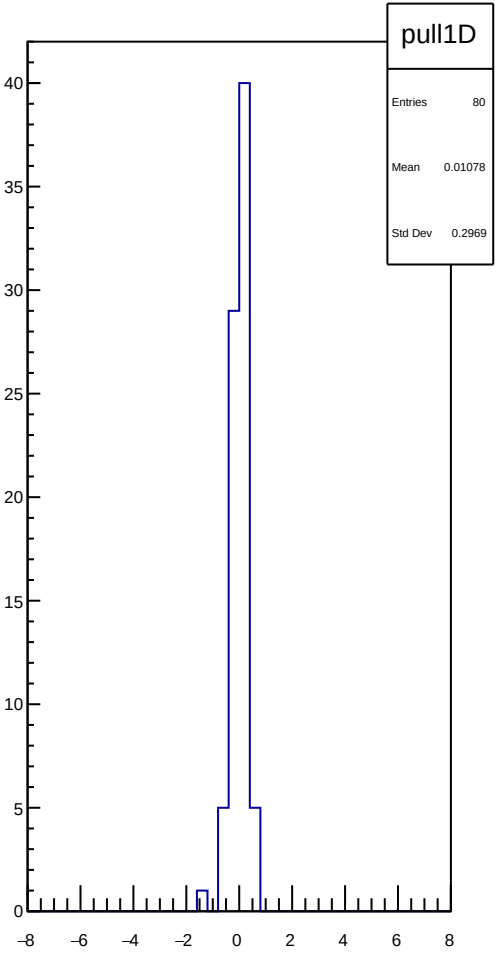

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 105.8 / 79
p0 16.61 ± 4.255
pull
Entries 80
Mean 73.65
Std Dev 5.09
pull1D
Entries 80
Mean −0.041
Std Dev 1.149

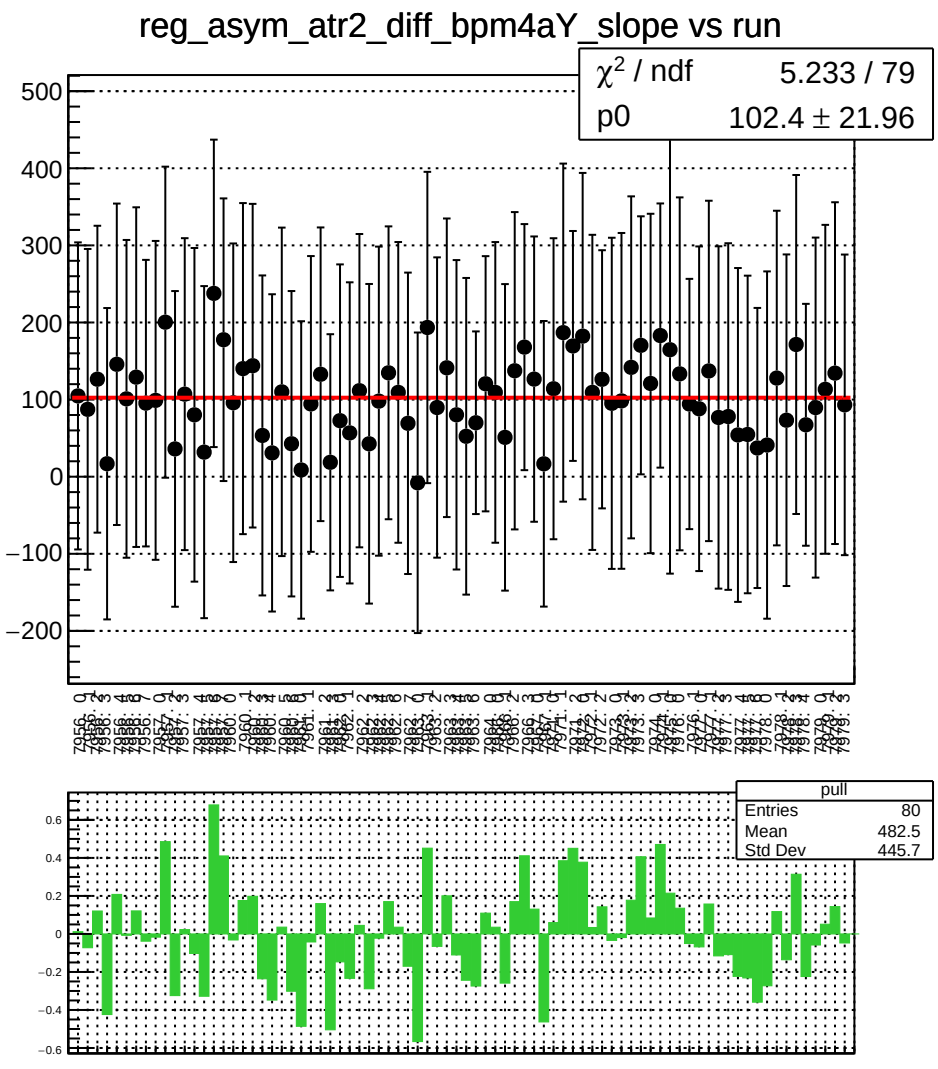

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 90.97 / 79
p0 8.325 ± 5.701
pull
Entries 80
Mean −158.2
Std Dev 195.4

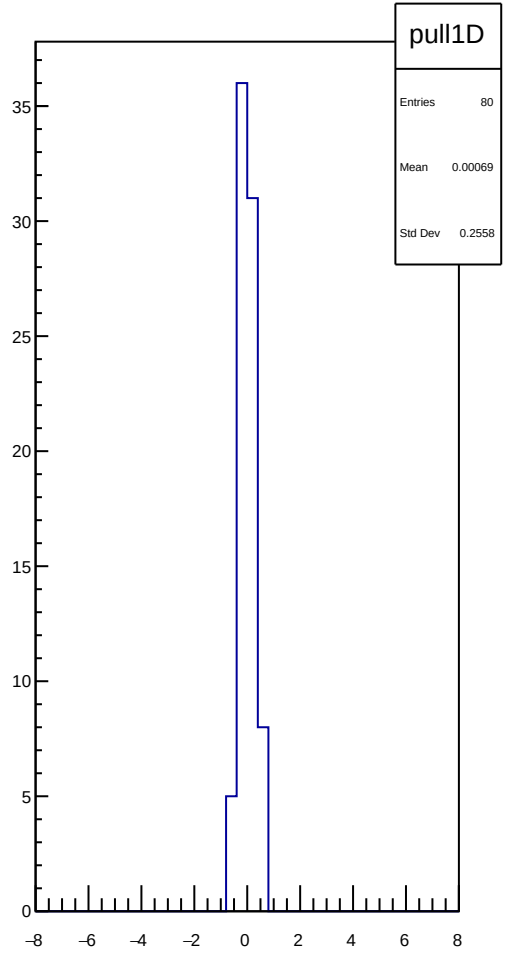

pull1D
Entries 80
Mean 0.02039
Std Dev 1.066

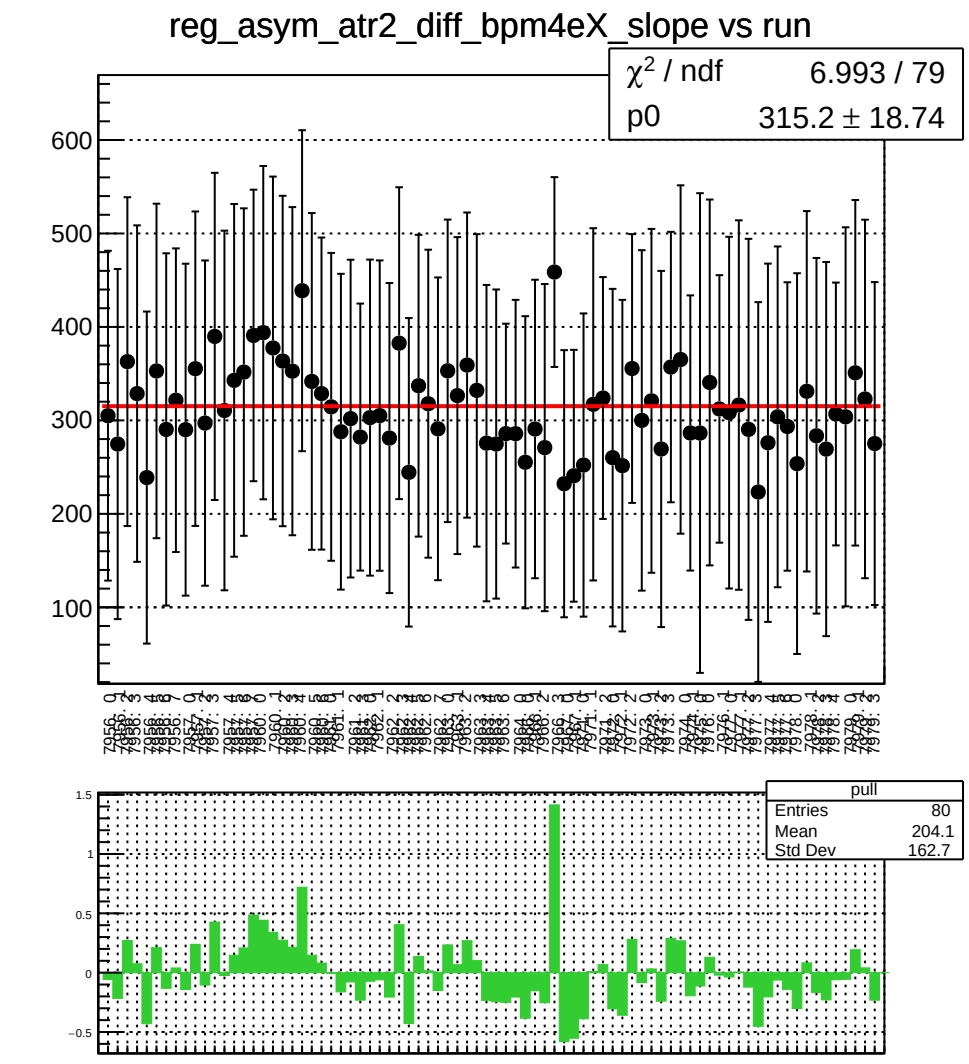

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 3942 / 79
p0 −50.49 ± 0.1637
pull
Entries 80
Mean −99.3
Std Dev 138
pull1D
Entries 80
Mean −1.997
Std Dev 4.647

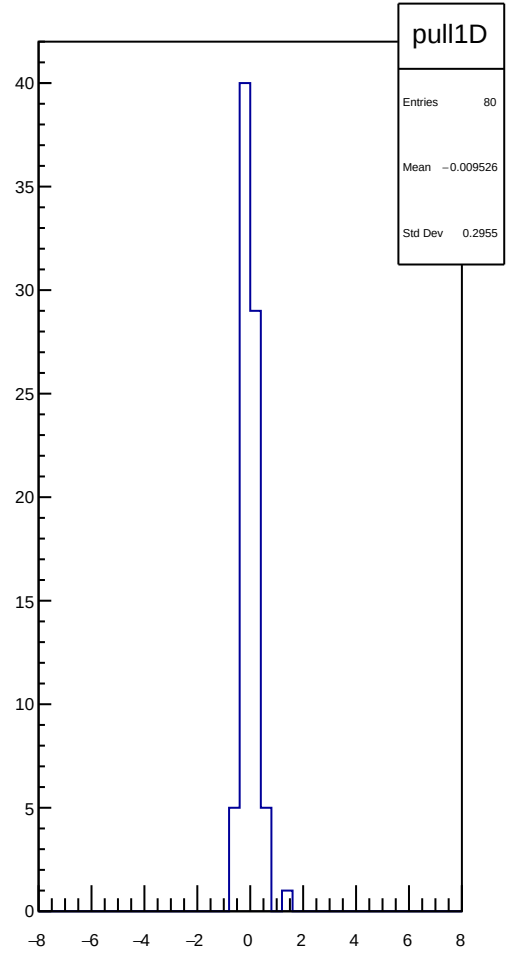

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 7.059 / 79
p0 −227.9 ± 21.18
pull
Entries 80
Mean 205.3
Std Dev 163.4

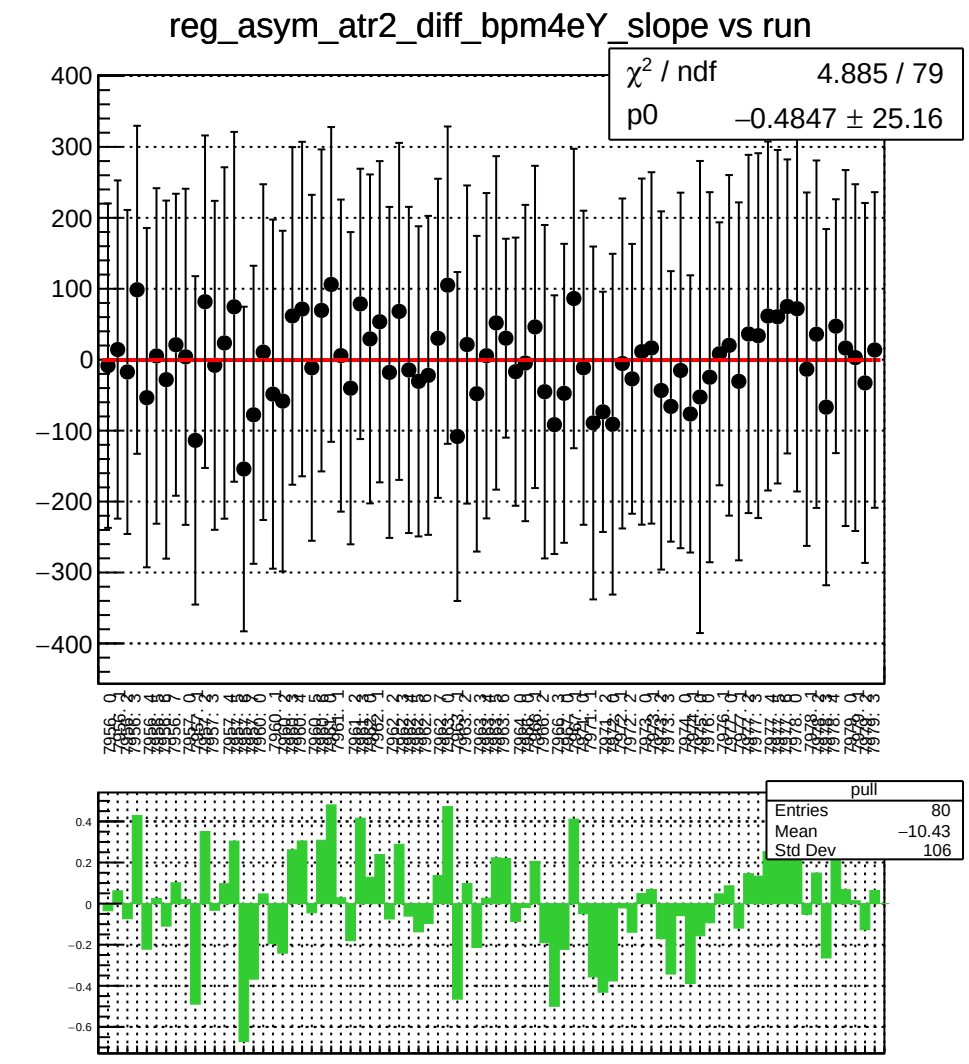

pull1D
Entries 80
Mean 0.01078
Std Dev 0.2969

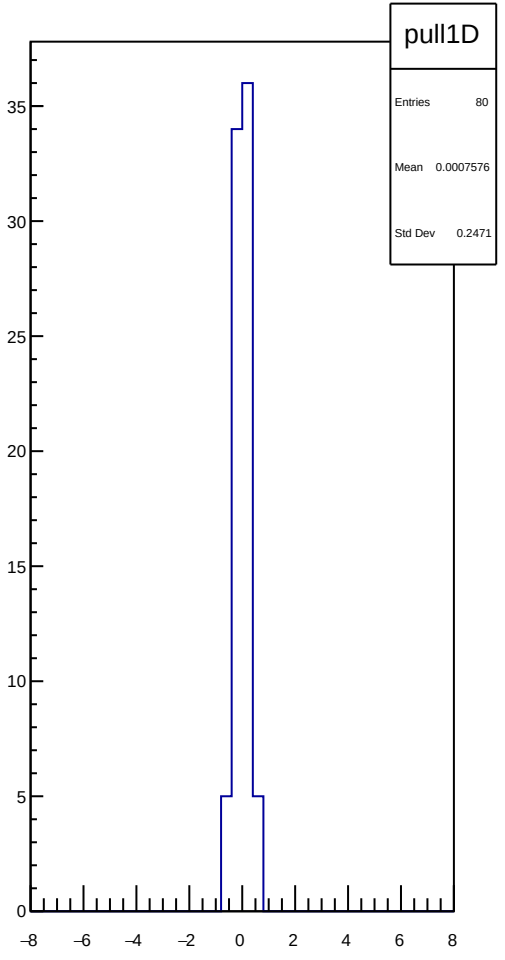

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.233 / 79
p0 102.4 ± 21.96
pull
Entries 80
Mean 482.5
Std Dev 445.7

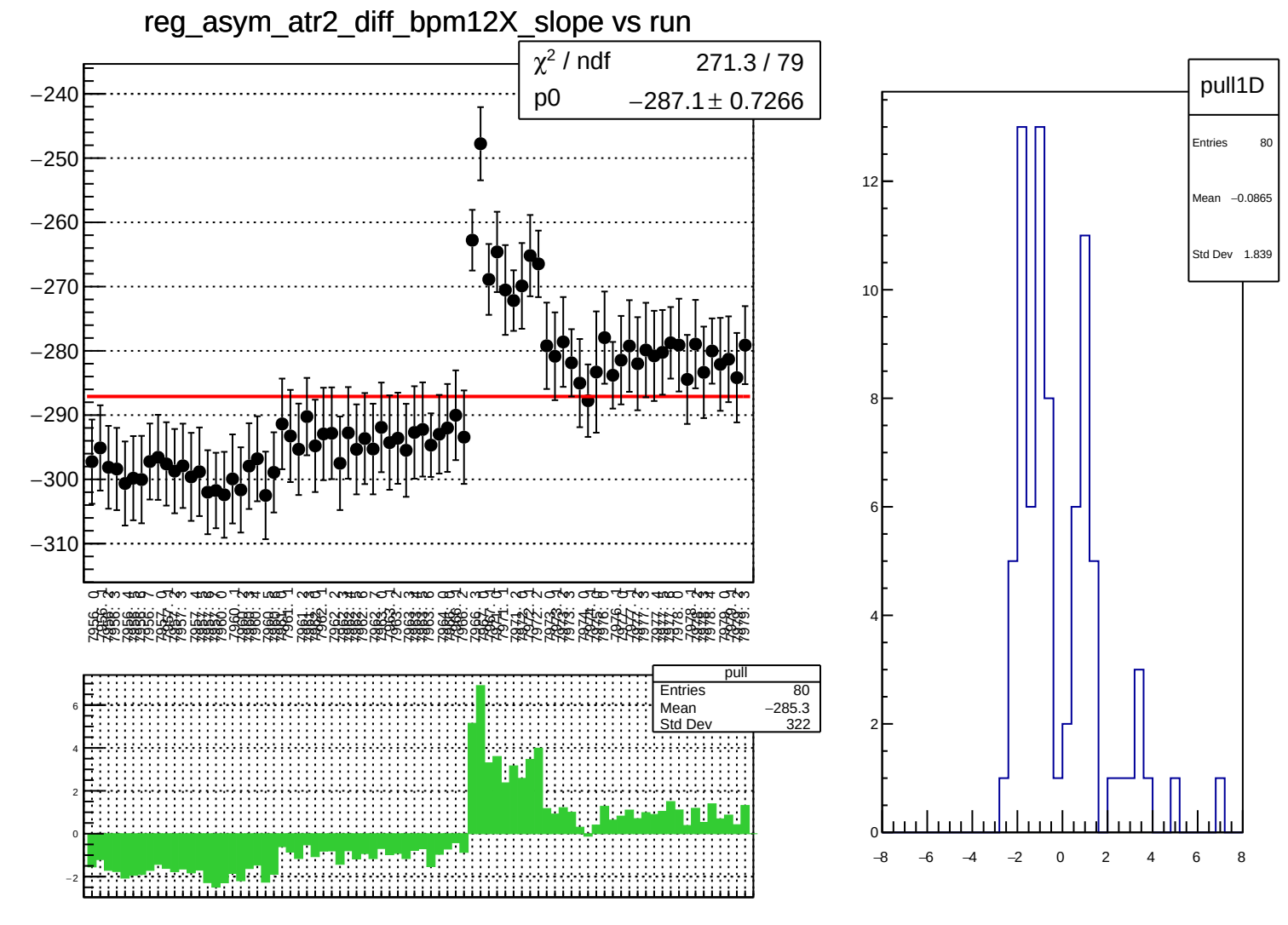

pull1D
Entries 80
Mean 0.00069
Std Dev 0.2558

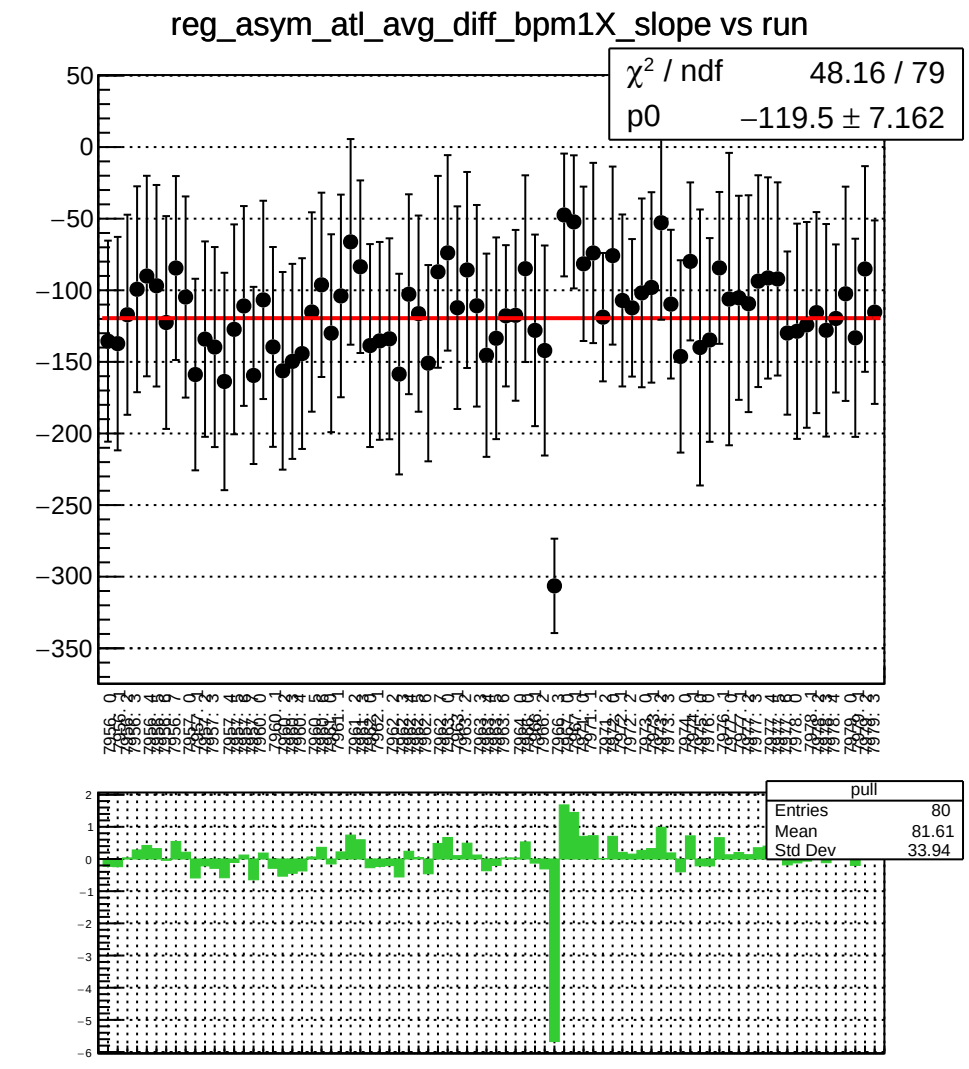

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 6.993 / 79
p0 315.2 ± 18.74
pull
Entries 80
Mean 204.1
Std Dev 162.7

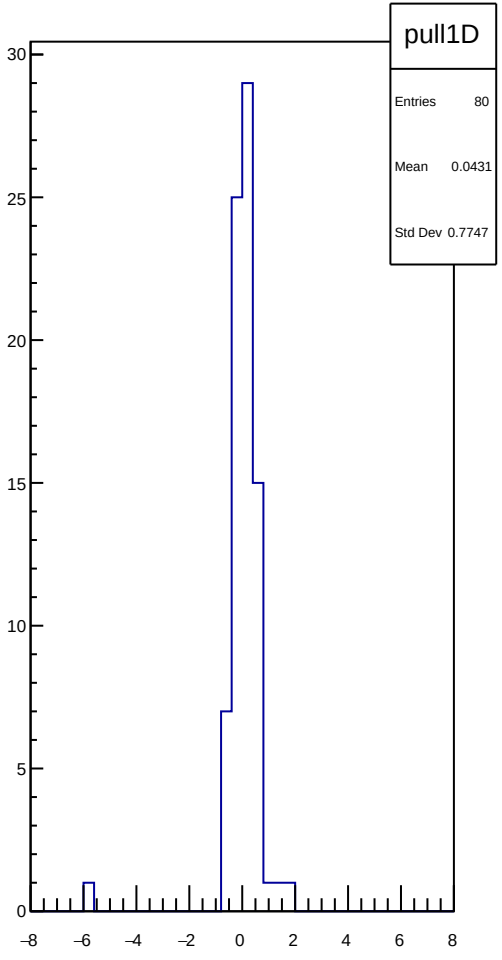

pull1D
Entries 80
Mean −0.009526
Std Dev 0.2955

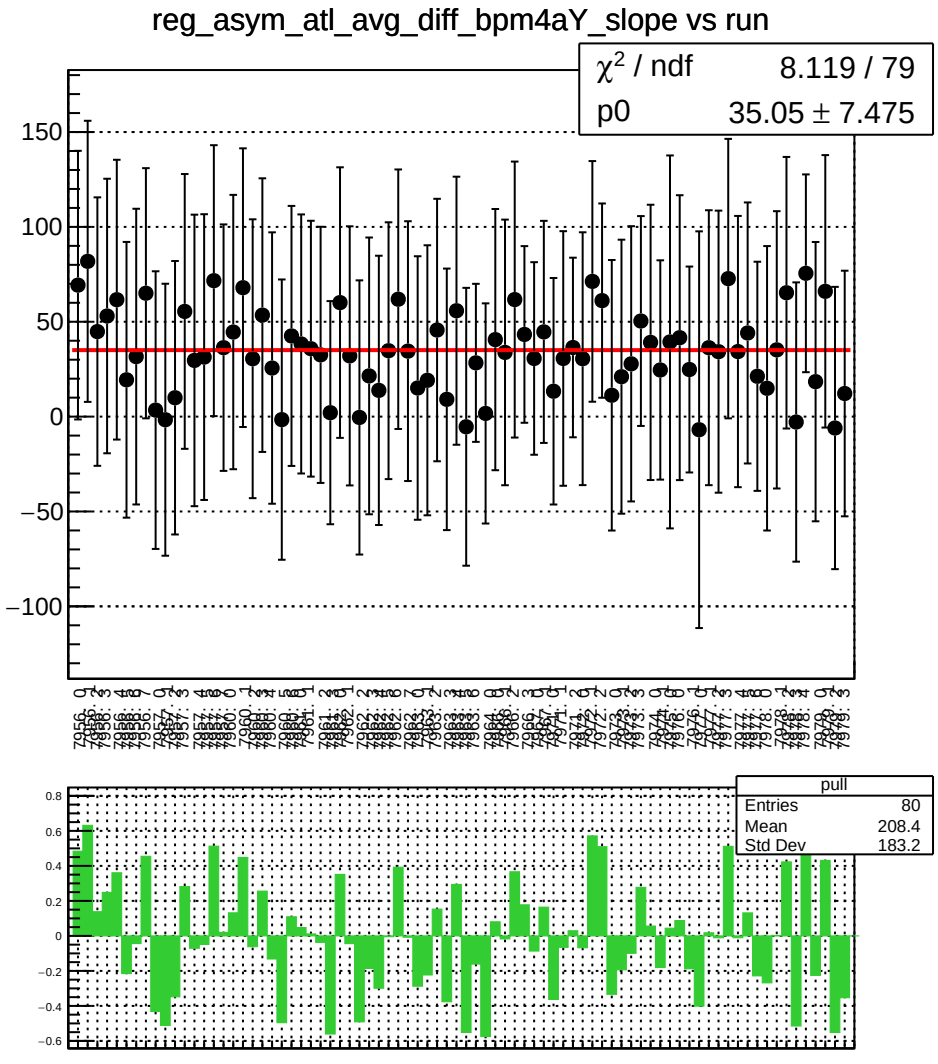

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.885 / 79
p0 −0.4847 ± 25.16
pull
Entries 80
Mean −10.43
Std Dev 106

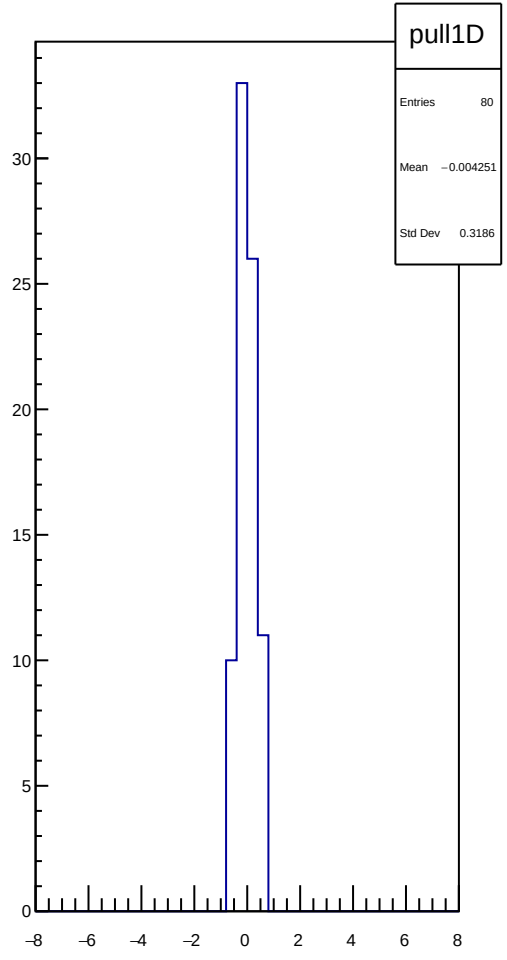

pull1D
Entries 80
Mean 0.0007576
Std Dev 0.2471

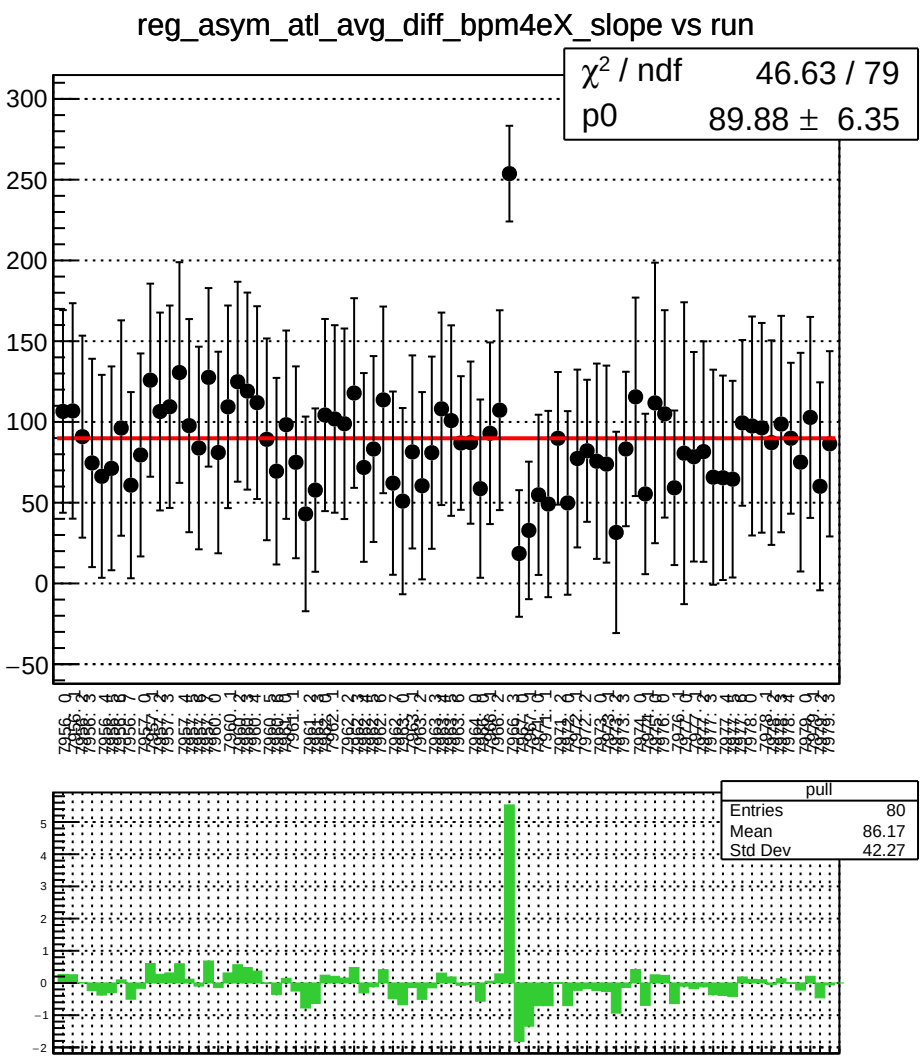

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 271.3 / 79
p0 −287.1 ± 0.7266
pull
Entries 80
Mean −285.3
Std Dev 322
pull1D
Entries 80
Mean −0.0865
Std Dev 1.839

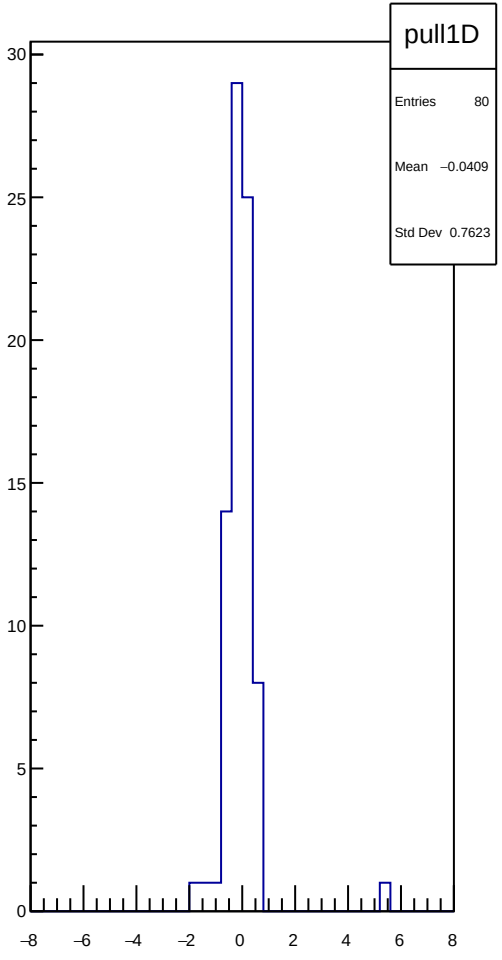

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 48.16 / 79
p0 −119.5 ± 7.162
pull
Entries 80
Mean 81.61
Std Dev 33.94

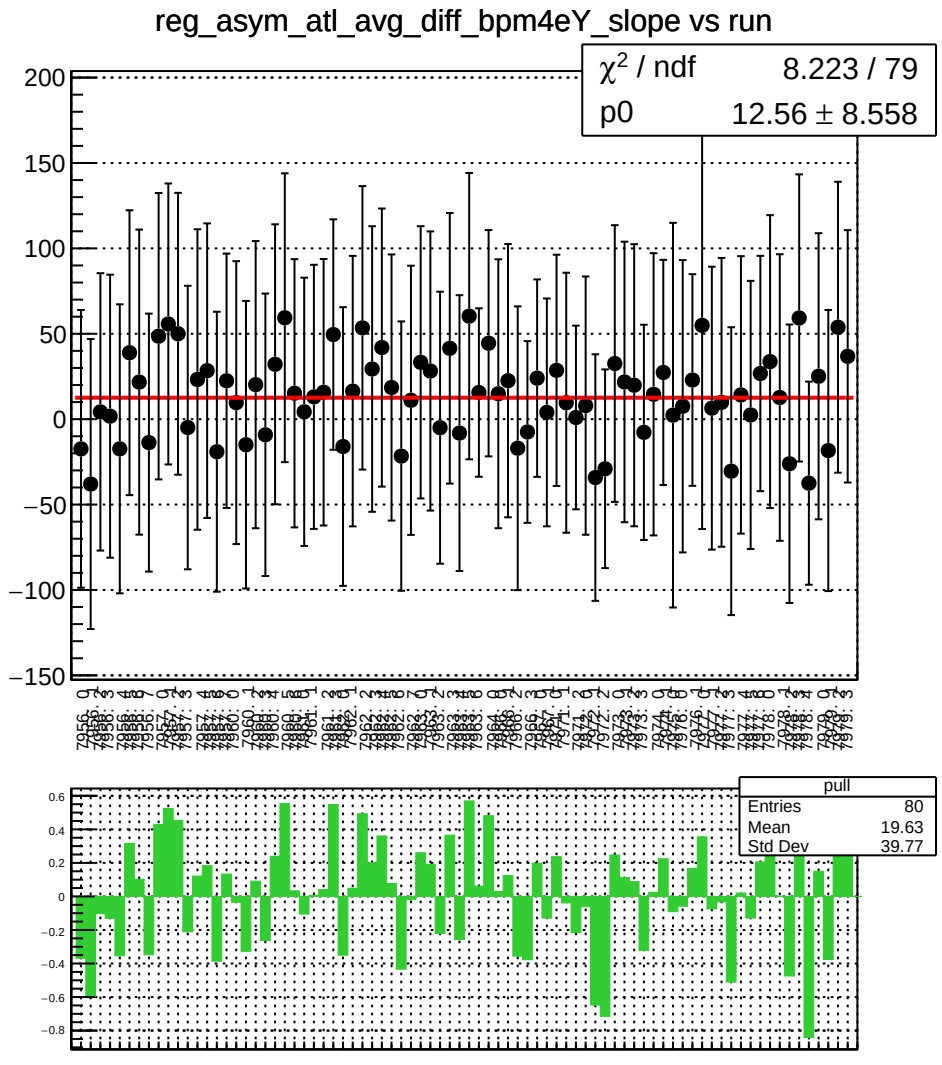

pull1D
Entries 80
Mean 0.0431
Std Dev 0.7747

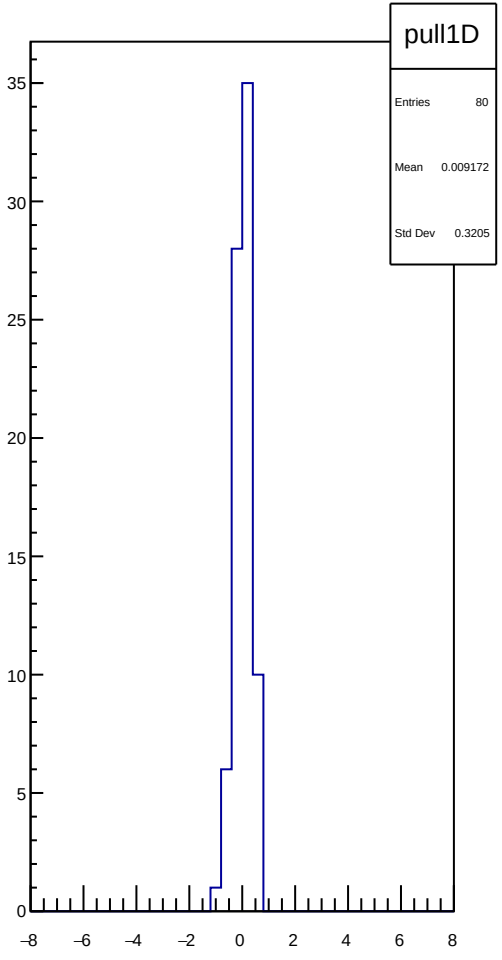

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.119 / 79
p0 35.05 ± 7.475
150
100
50
0
−50
−100
pull
Entries 80
Mean 208.4
Std Dev 183.2
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

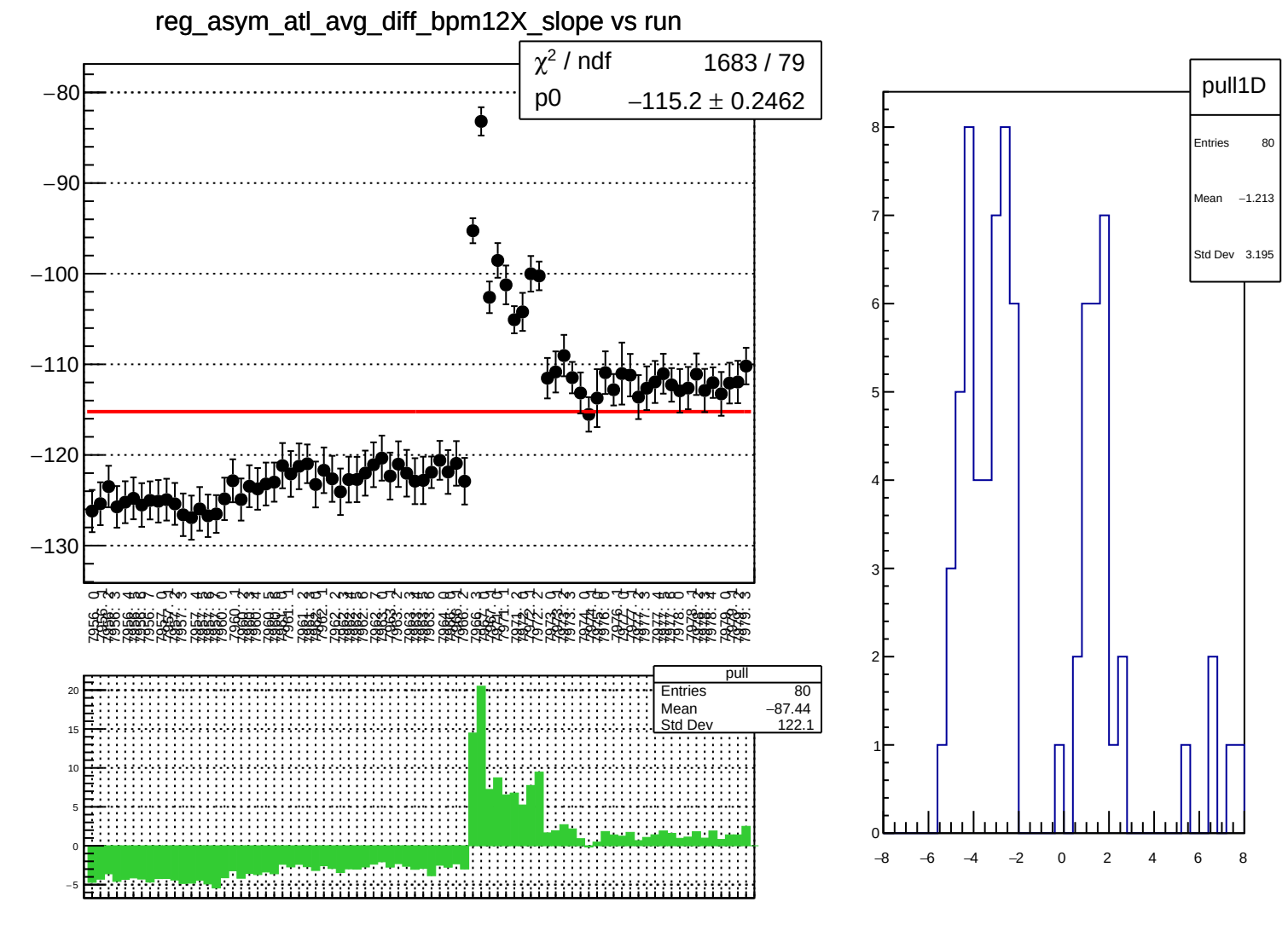

pull1D
Entries 80
Mean −0.004251
Std Dev 0.3186
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

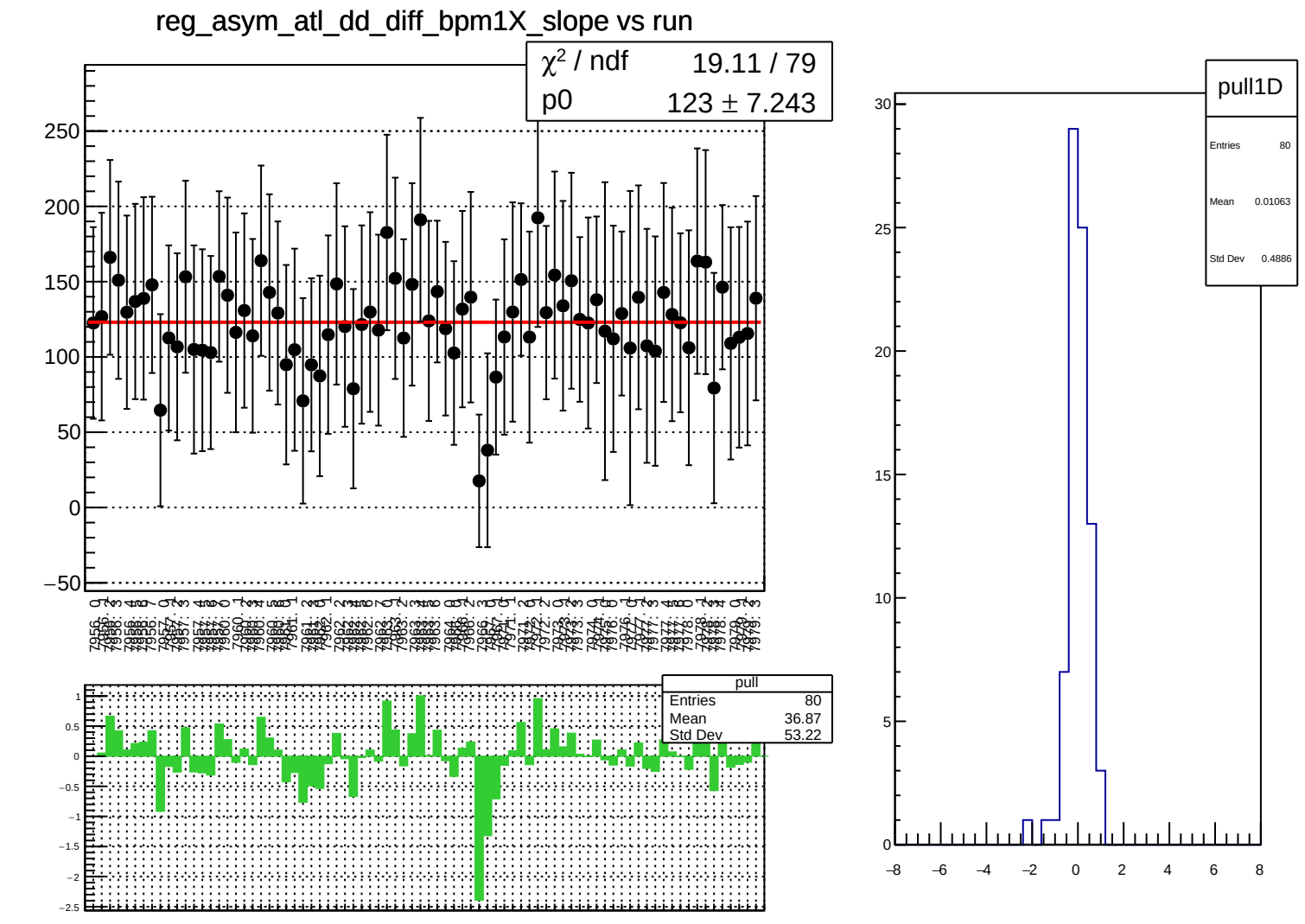

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.63 / 79
p0 89.88 ± 6.35
pull
Entries 80
Mean 86.17
Std Dev 42.27

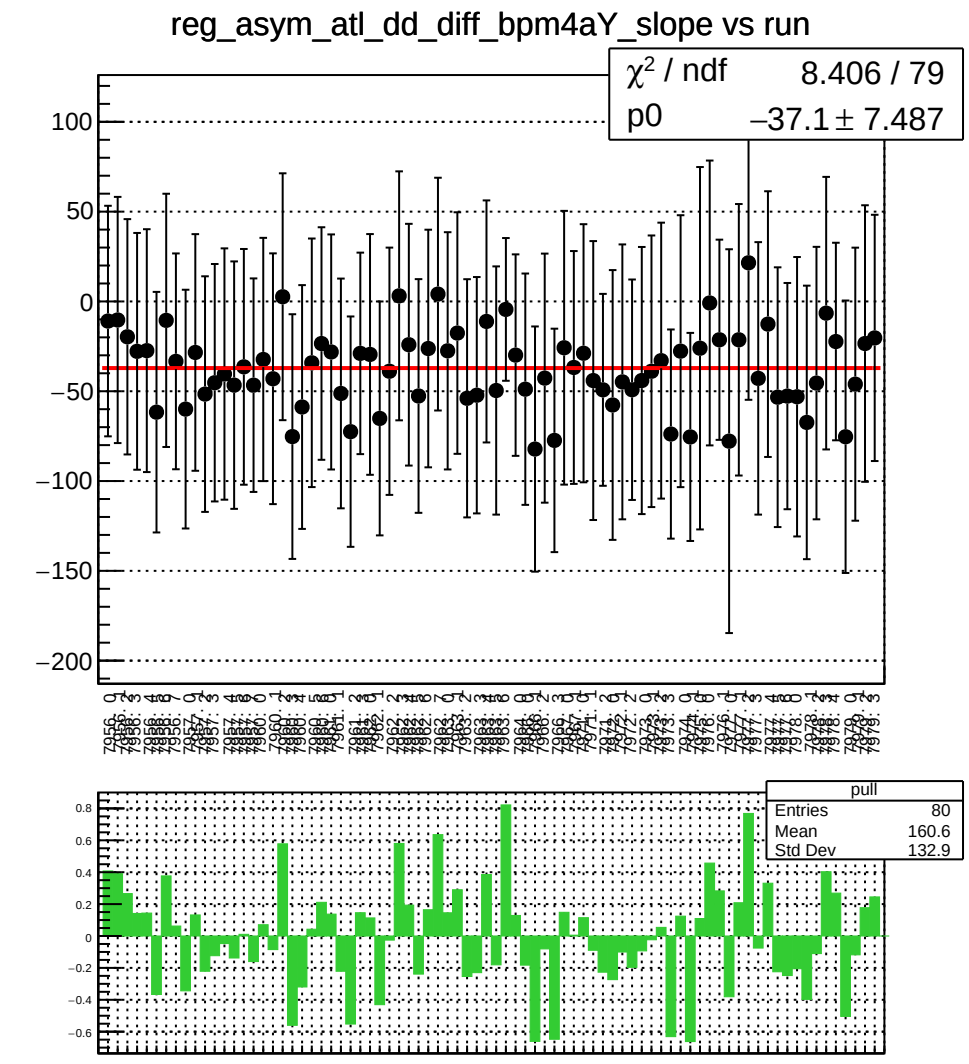

pull1D
Entries 80
Mean −0.0409
Std Dev 0.7623

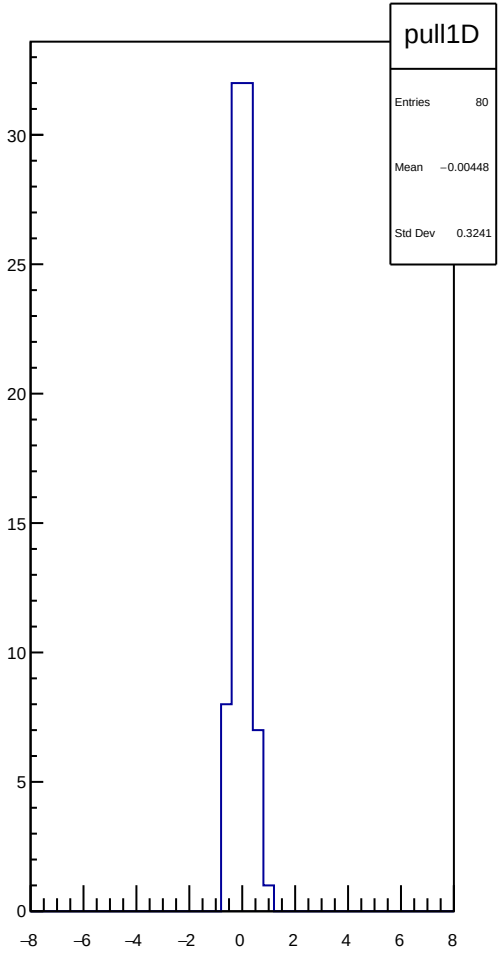

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.223 / 79
p0 12.56 ± 8.558
pull
Entries 80
Mean 19.63
Std Dev 39.77

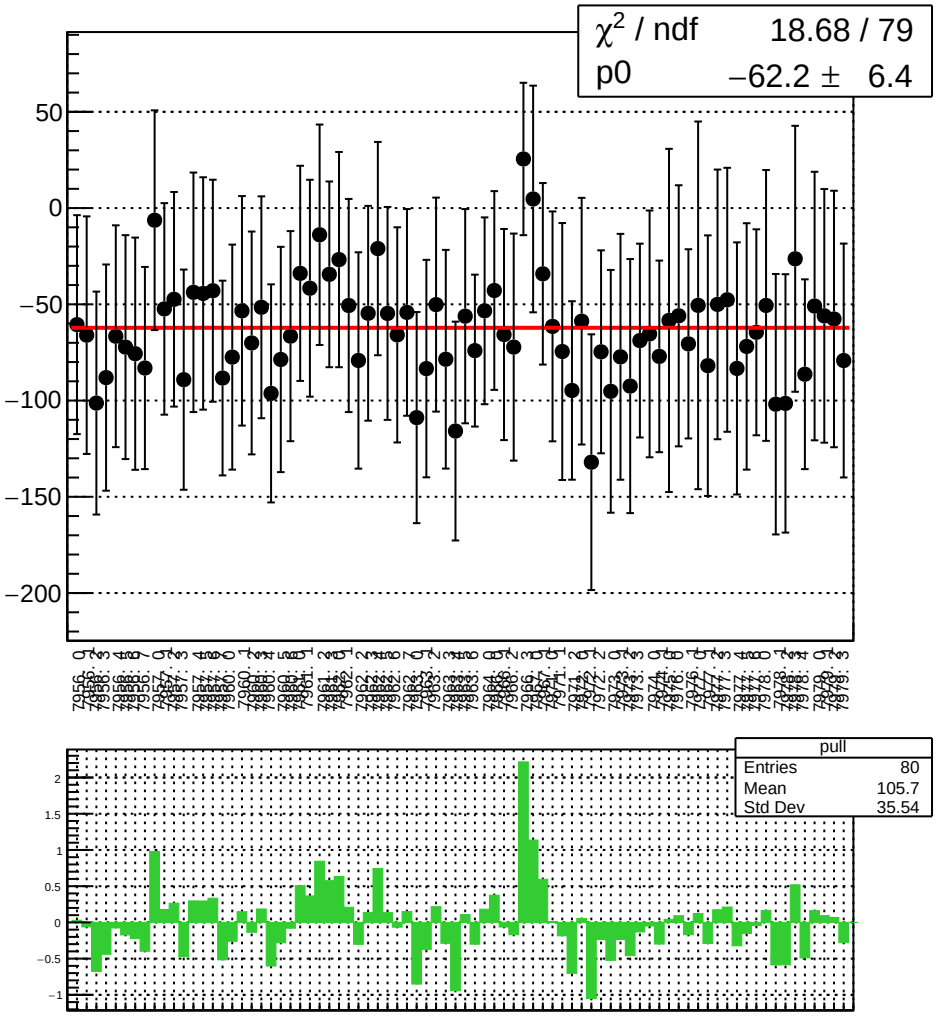

pull1D
Entries 80
Mean 0.009172
Std Dev 0.3205

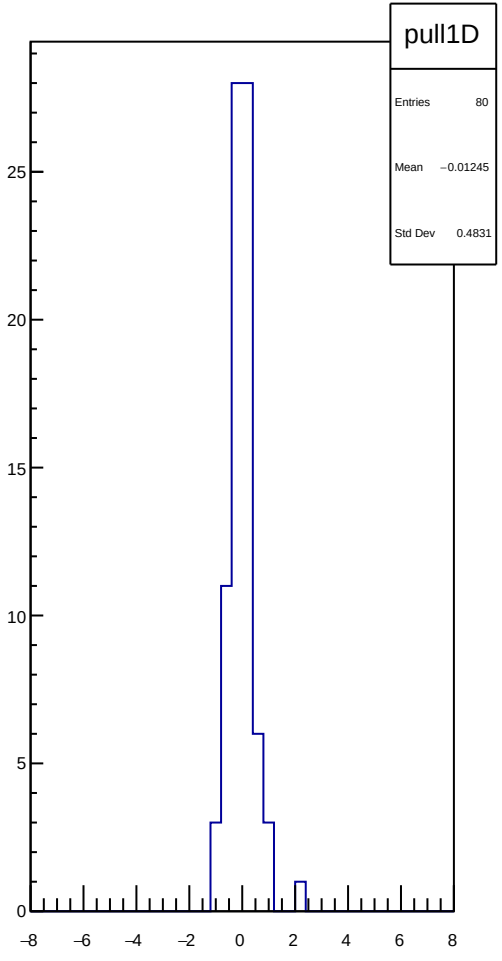

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 1683 / 79
p0 −115.2 ± 0.2462
pull
Entries 80
Mean −87.44
Std Dev 122.1
pull1D
Entries 80
Mean −1.213
Std Dev 3.195

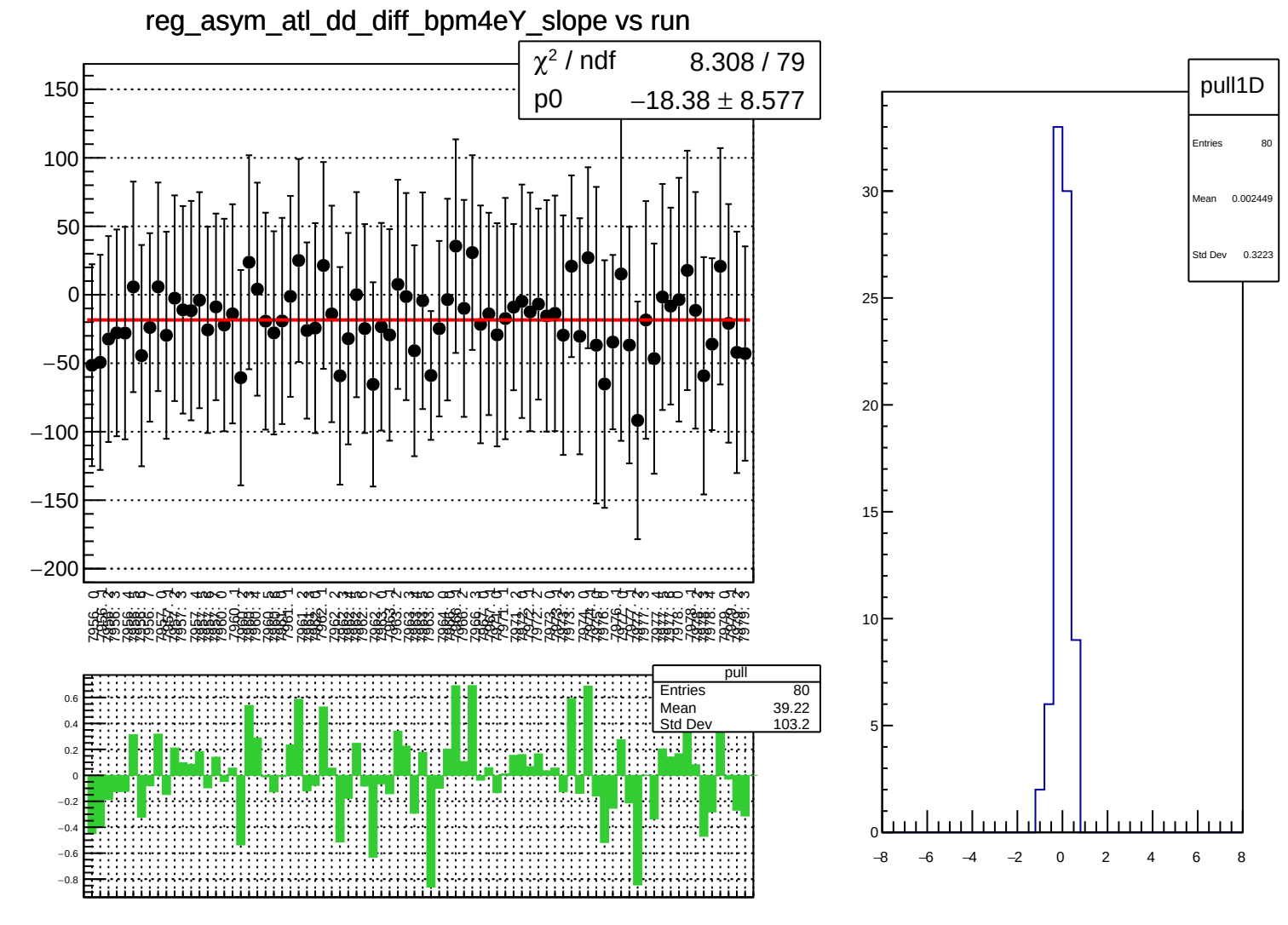

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 19.11 / 79
p0 123 ± 7.243
pull
Entries 80
Mean 36.87
Std Dev 53.22
pull1D
Entries 80
Mean 0.01063
Std Dev 0.4886

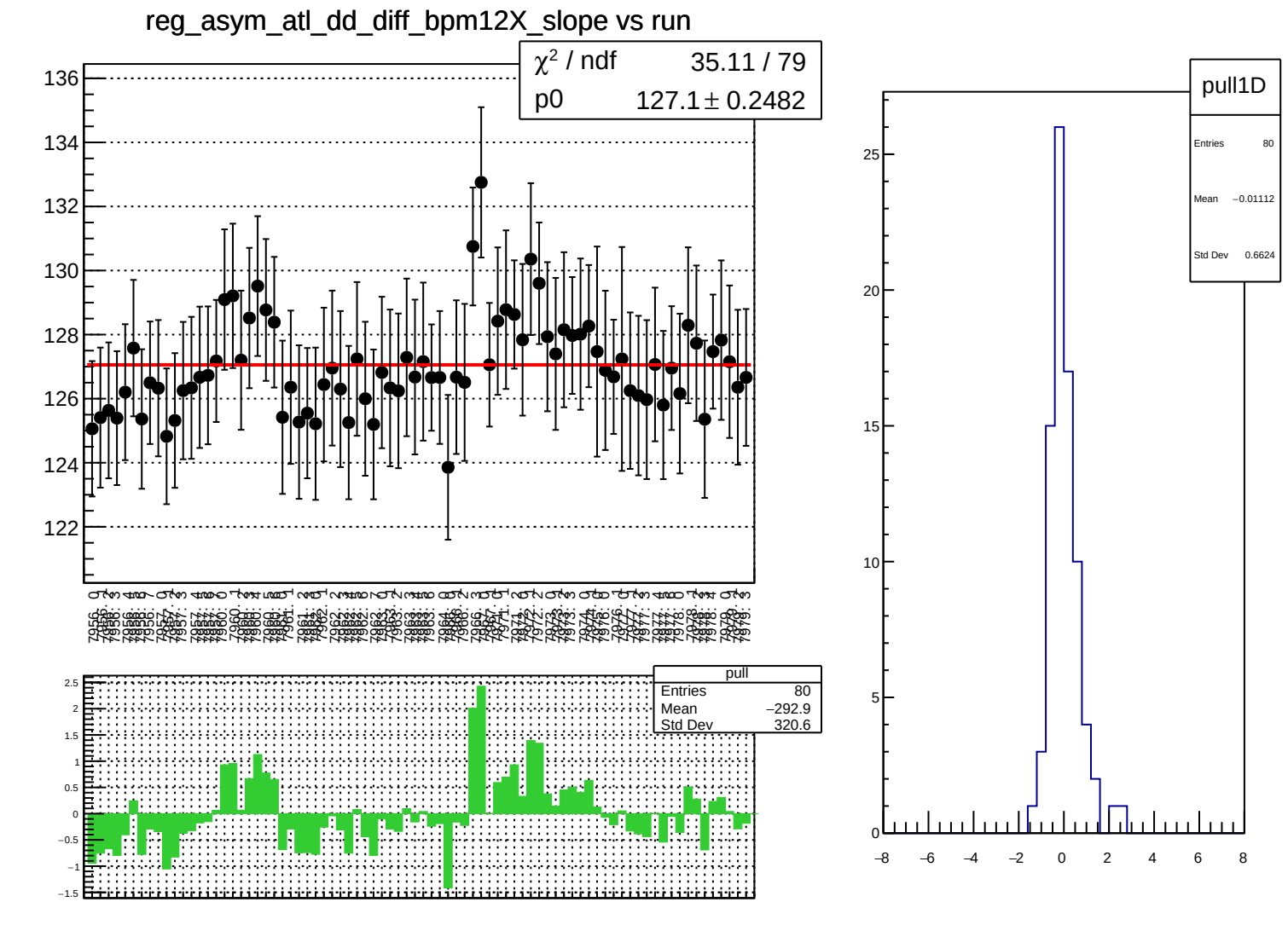

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.406 / 79
p0 −37.1 ± 7.487
pull
Entries 80
Mean 160.6
Std Dev 132.9

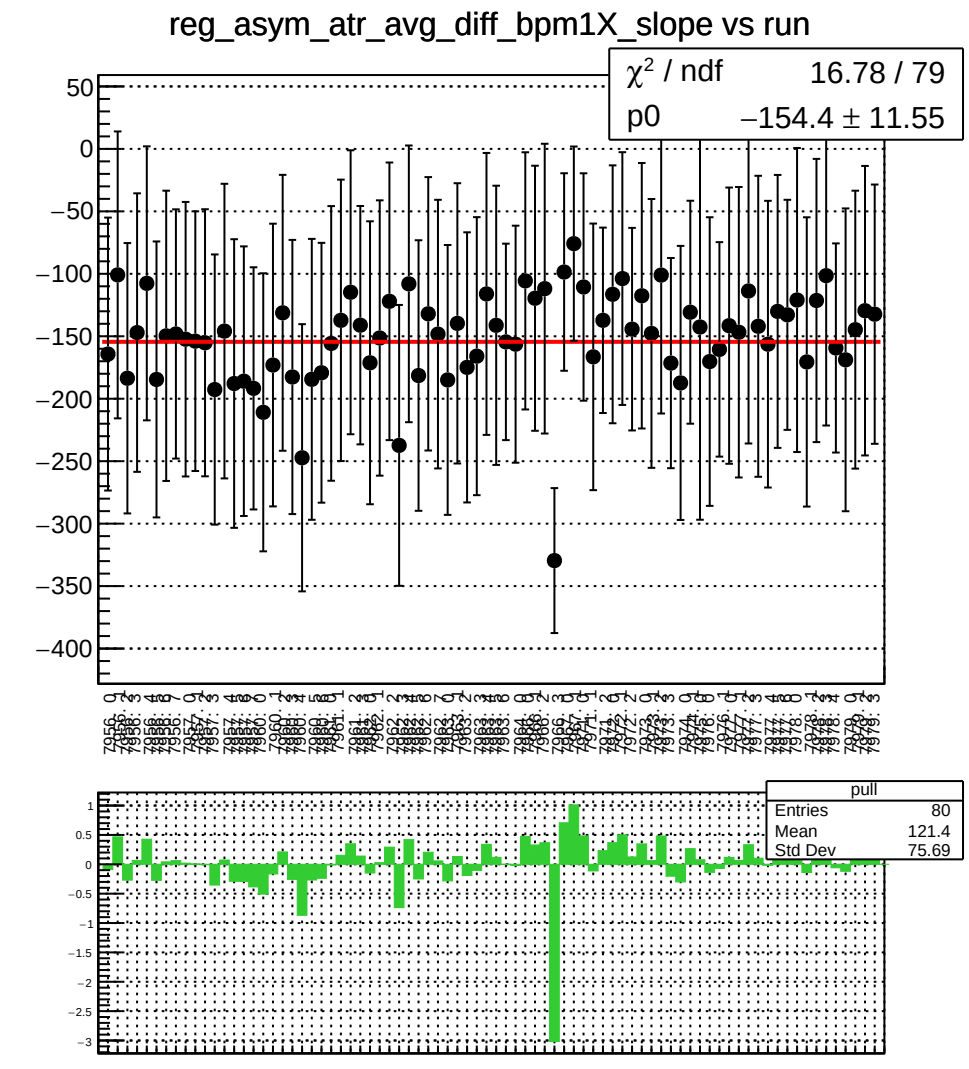

pull1D
Entries 80
Mean −0.00448
Std Dev 0.3241

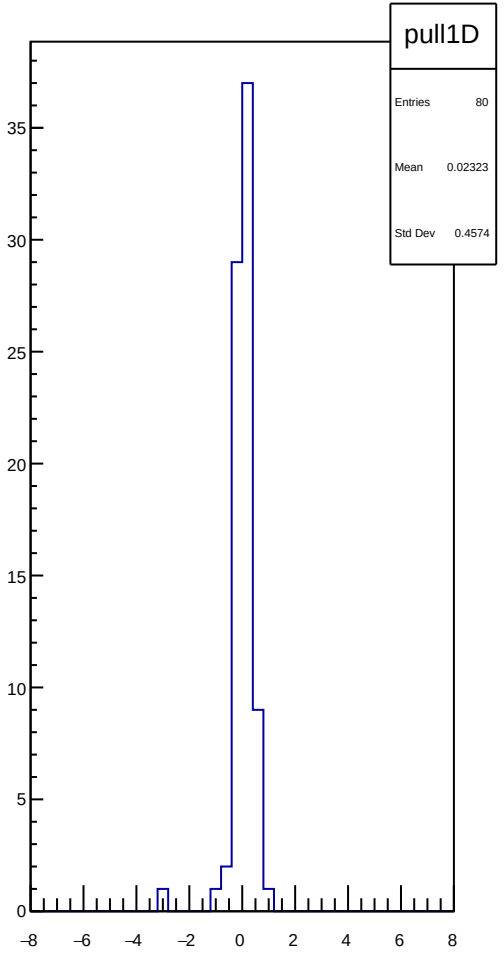

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.68 / 79
p0 −62.2 ± 6.4
pull
Entries 80
Mean 105.7
Std Dev 35.54

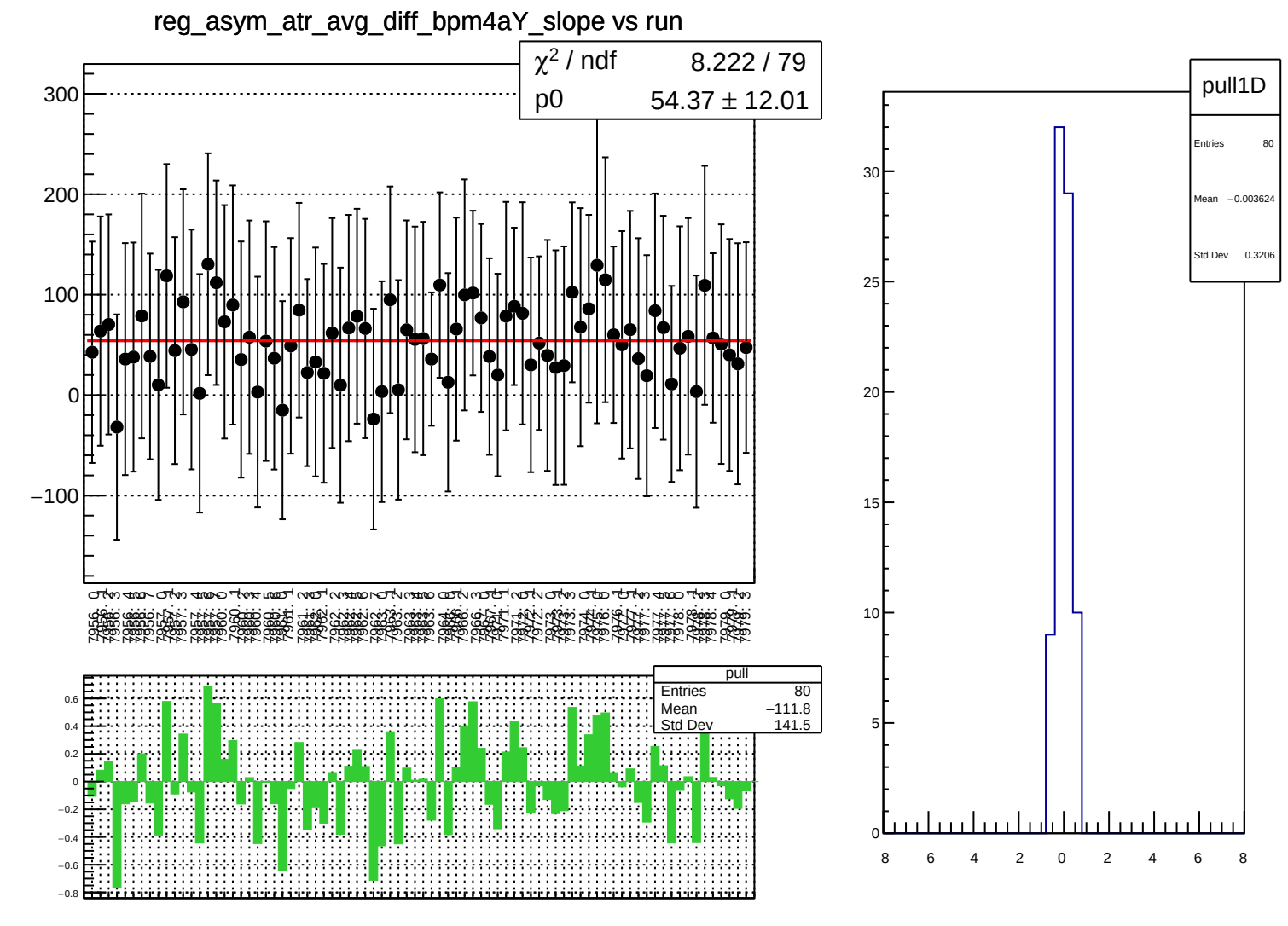

pull1D
Entries 80
Mean −0.01245
Std Dev 0.4831

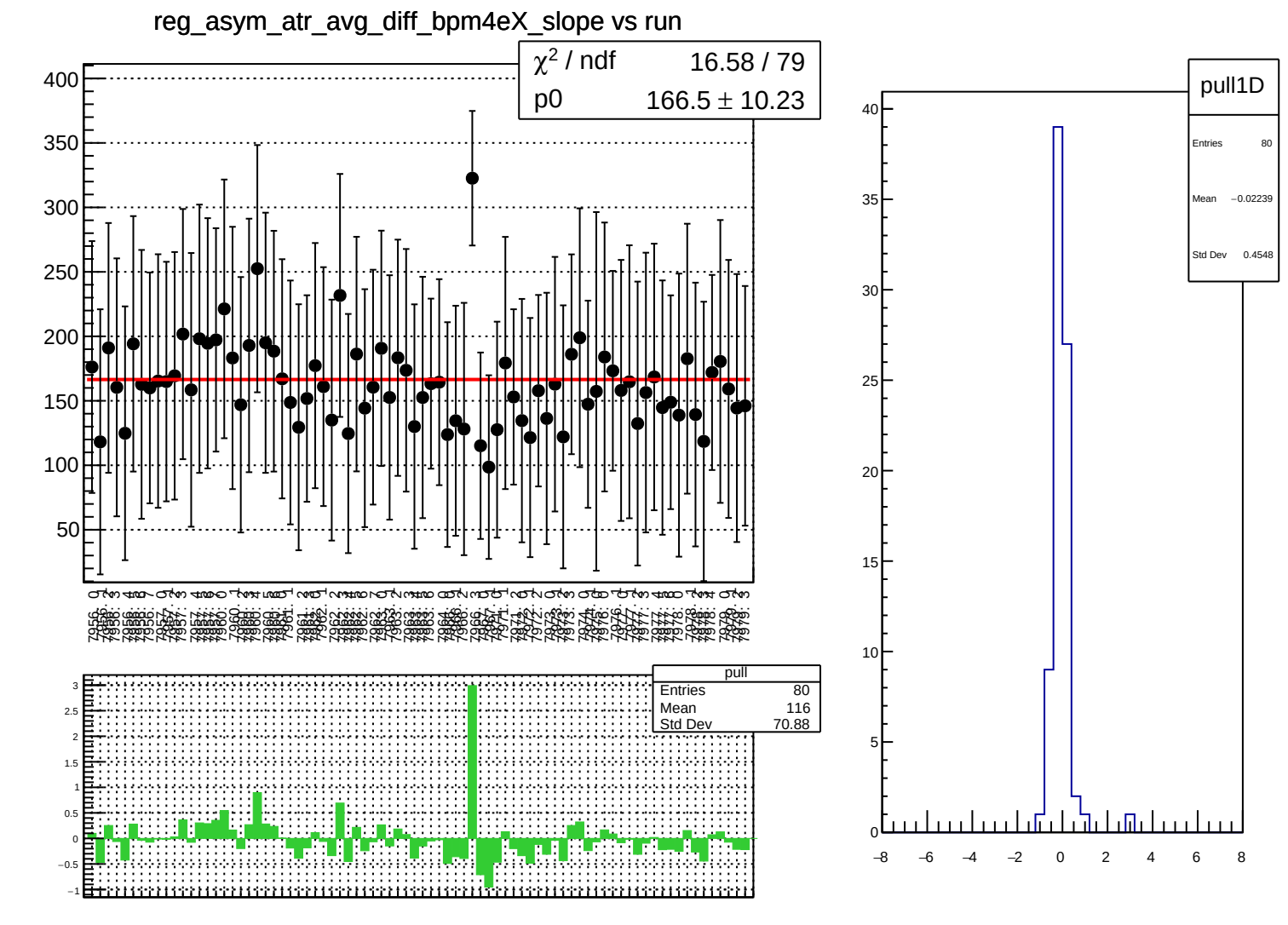

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.308 / 79
p0 −18.38 ± 8.577
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 39.22
Std Dev 103.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean 0.002449
Std Dev 0.3223
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

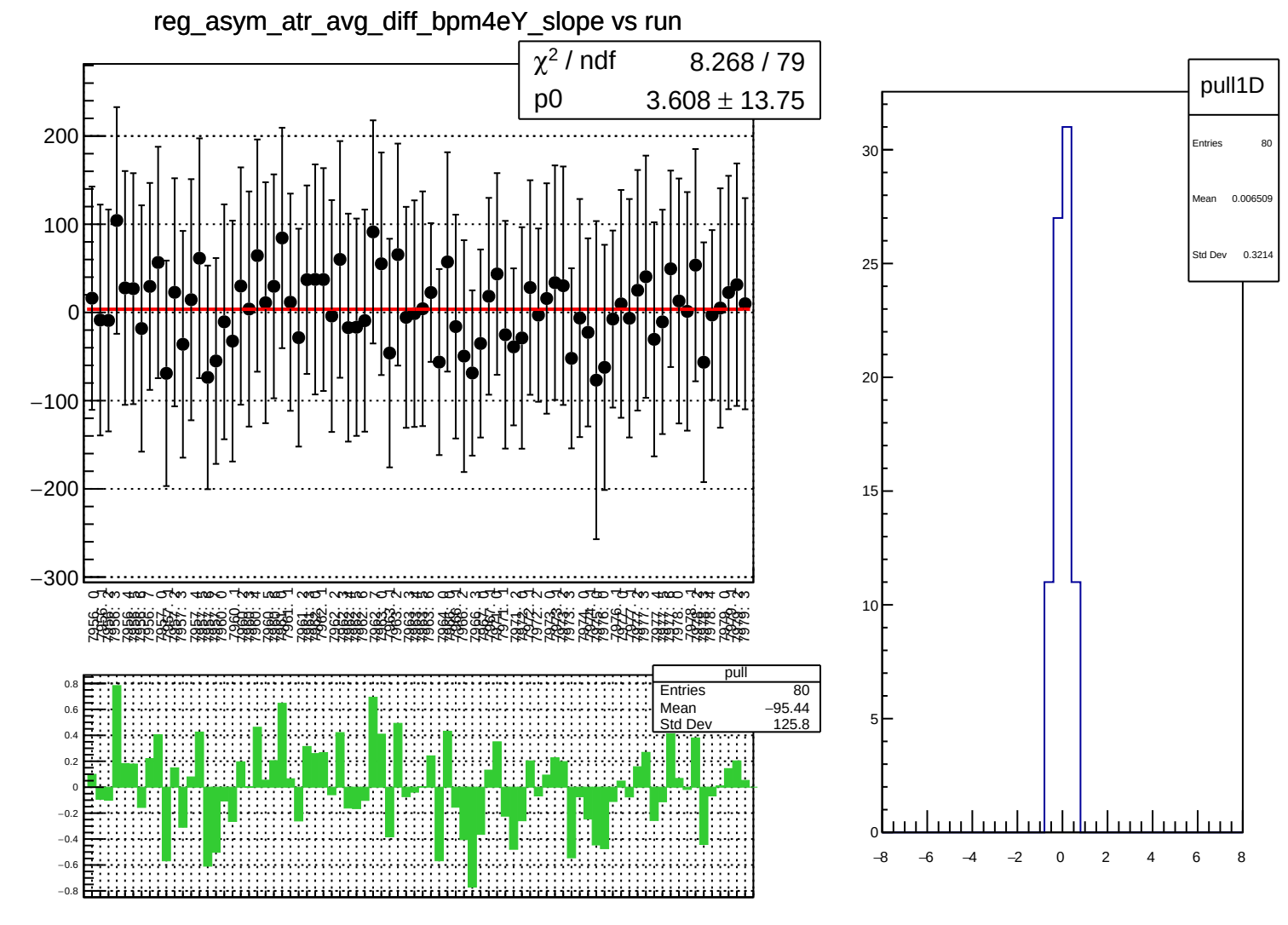

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 35.11 / 79
p0 127.1 ± 0.2482
pull
Entries 80
Mean −292.9
Std Dev 320.6
pull1D
Entries 80
Mean −0.01112
Std Dev 0.6624

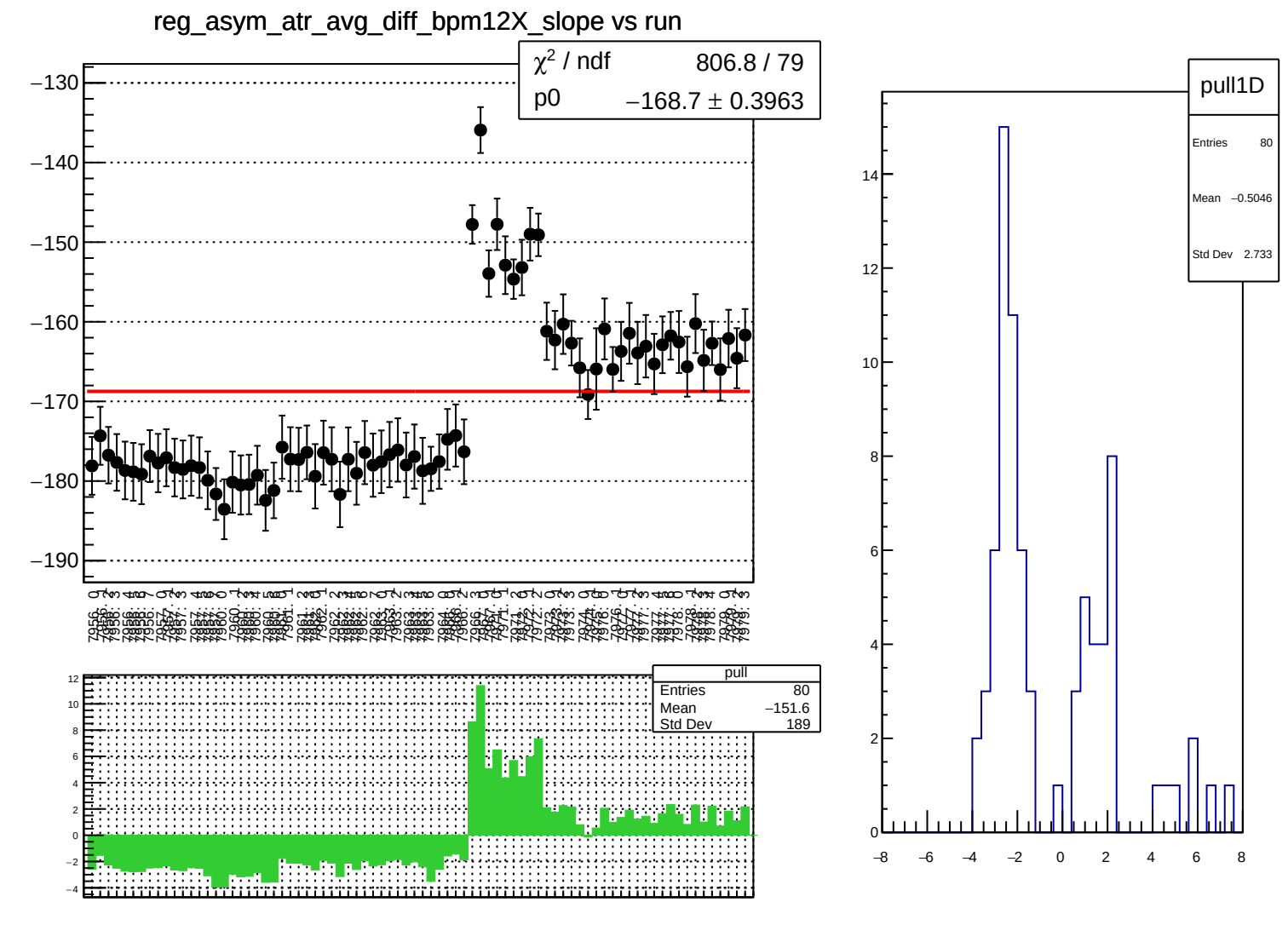

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 16.78 / 79
p0 −154.4 ± 11.55
pull
Entries 80
Mean 121.4
Std Dev 75.69

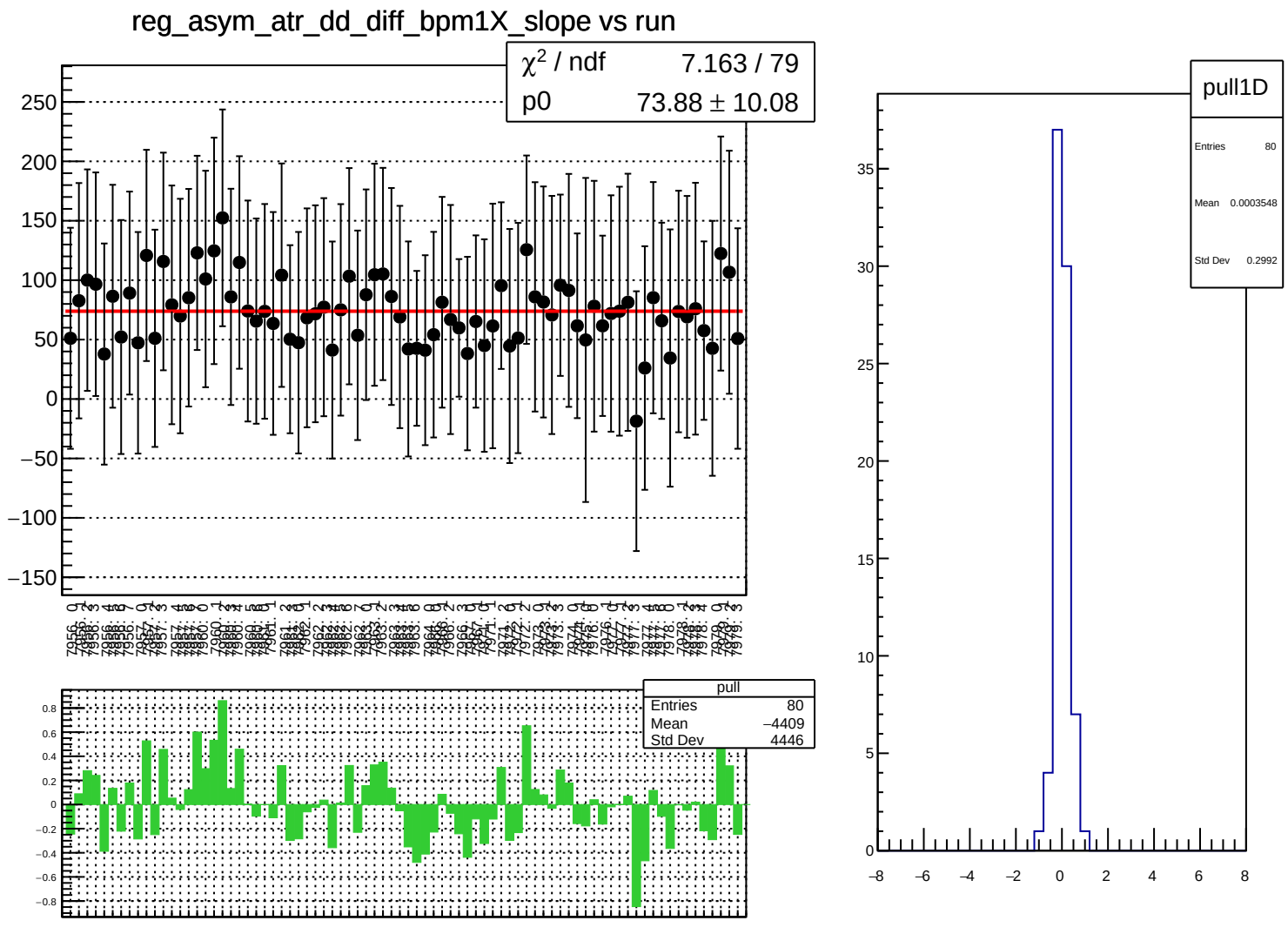

pull1D
Entries 80
Mean 0.02323
Std Dev 0.4574

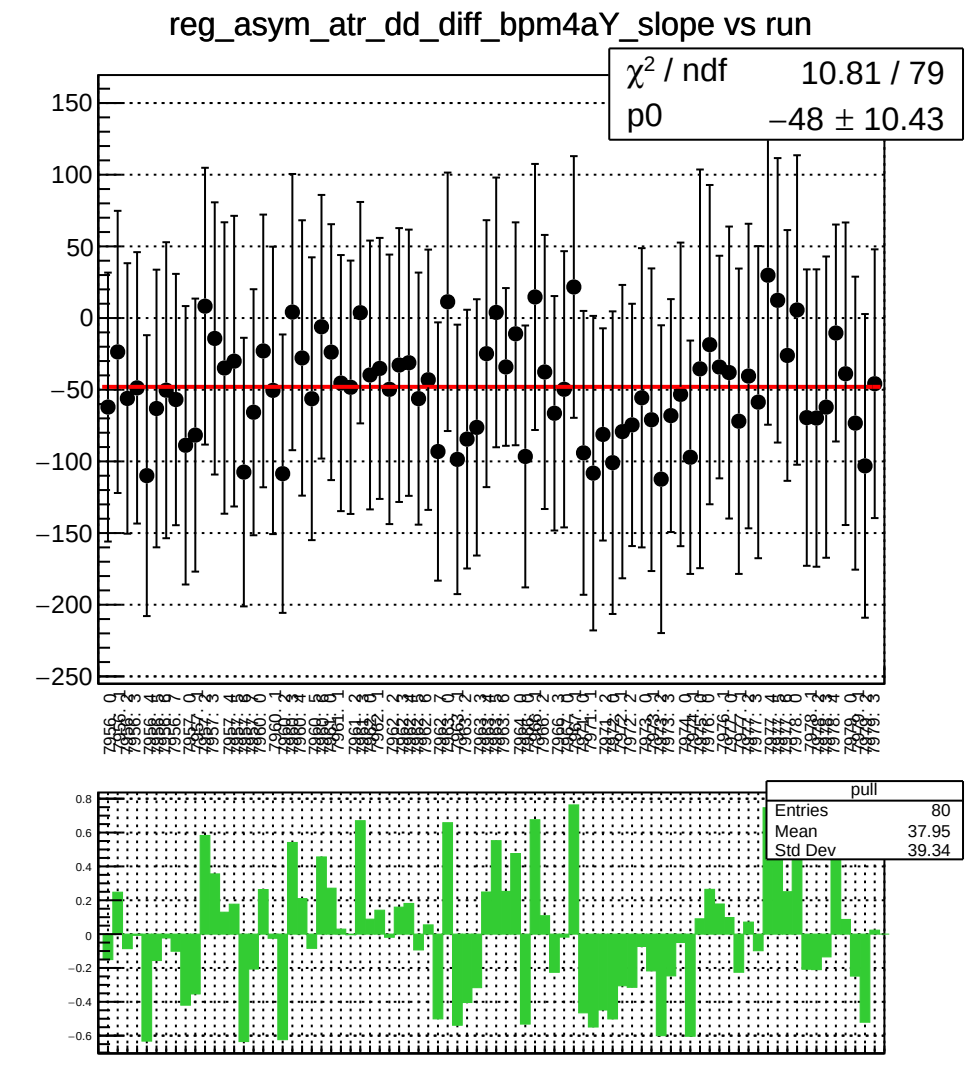

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.222 / 79
p0 54.37 ± 12.01
pull
Entries 80
Mean −111.8
Std Dev 141.5
pull1D
Entries 80
Mean −0.003624
Std Dev 0.3206

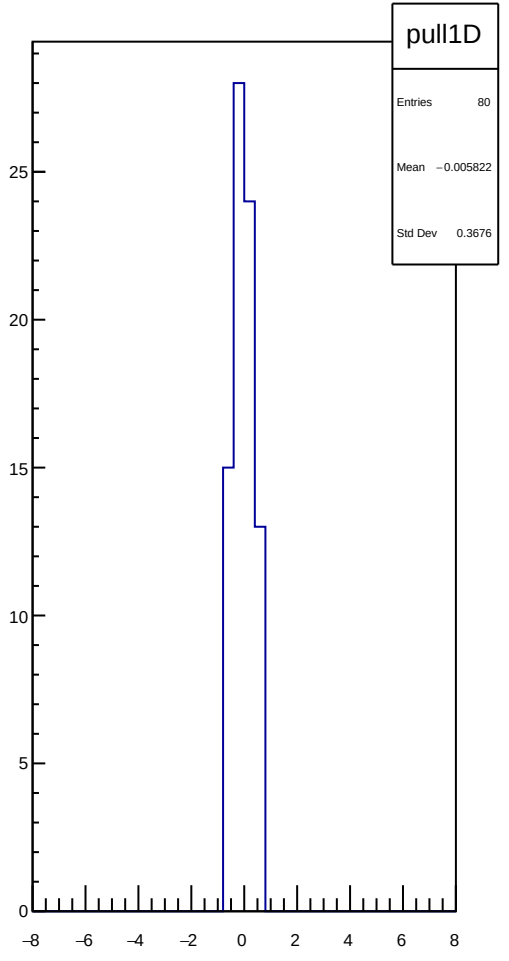

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.58 / 79
p0 166.5 ± 10.23
pull
Entries 80
Mean 116
Std Dev 70.88
pull1D
Entries 80
Mean −0.02239
Std Dev 0.4548

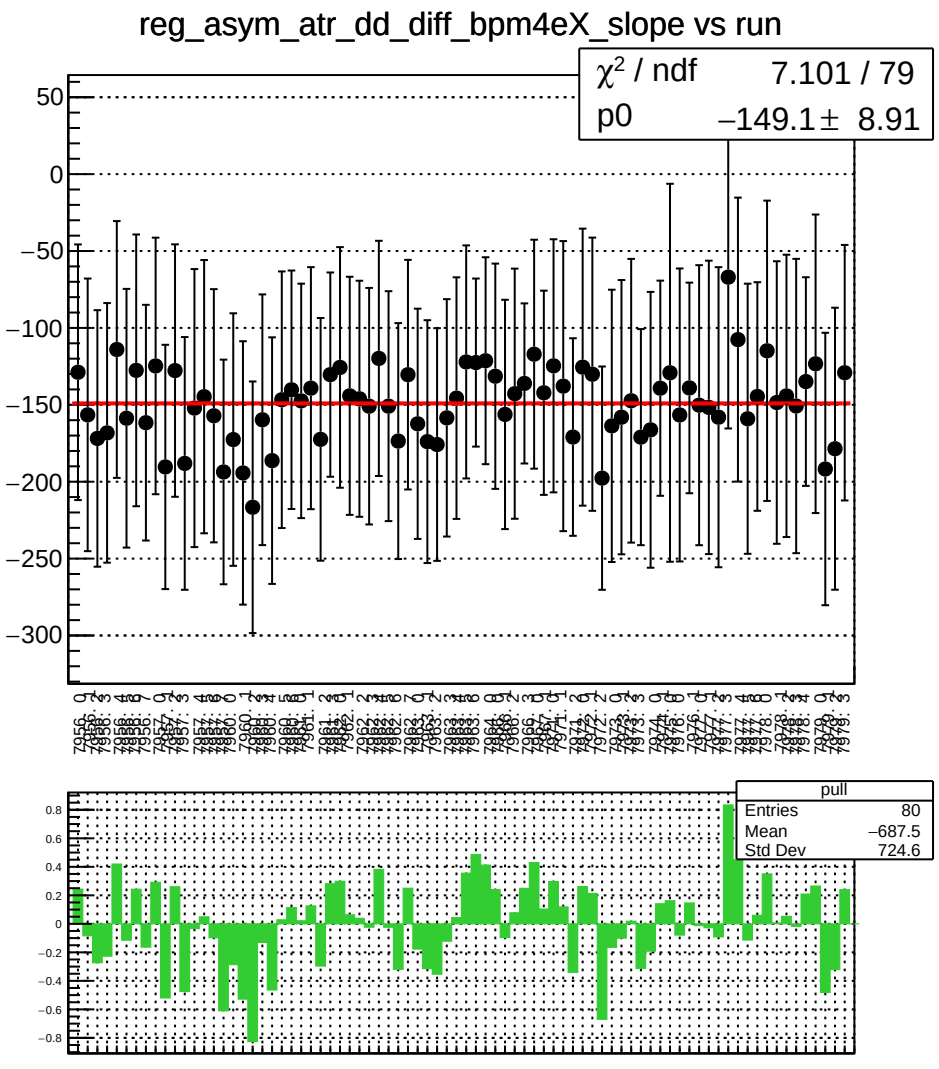

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.268 / 79
p0 3.608 ± 13.75
pull
Entries 80
Mean −95.44
Std Dev 125.8
pull1D
Entries 80
Mean 0.006509
Std Dev 0.3214

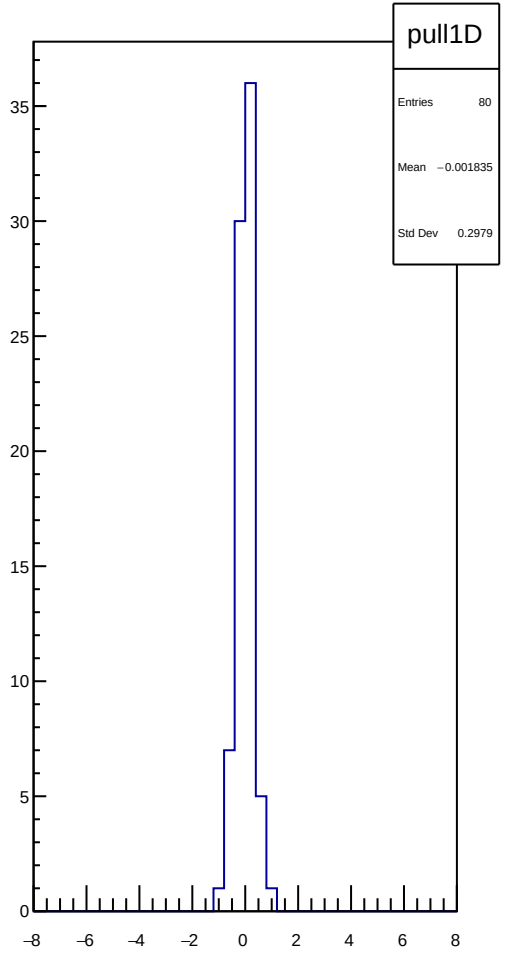

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 806.8 / 79
p0 −168.7 ± 0.3963
pull
Entries 80
Mean −151.6
Std Dev 189
pull1D
Entries 80
Mean −0.5046
Std Dev 2.733

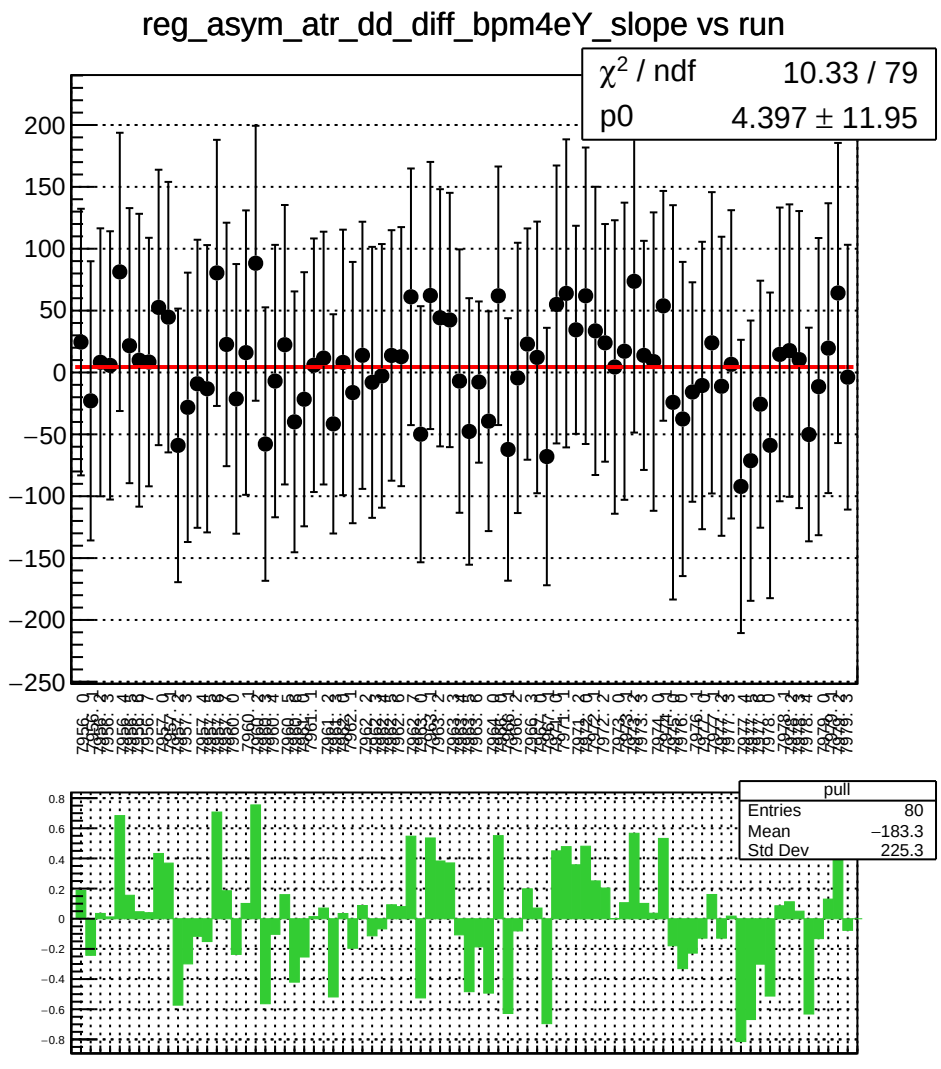

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 7.163 / 79
p0 73.88 ± 10.08
pull
Entries 80
Mean −4409
Std Dev 4446
pull1D
Entries 80
Mean 0.0003548
Std Dev 0.2992

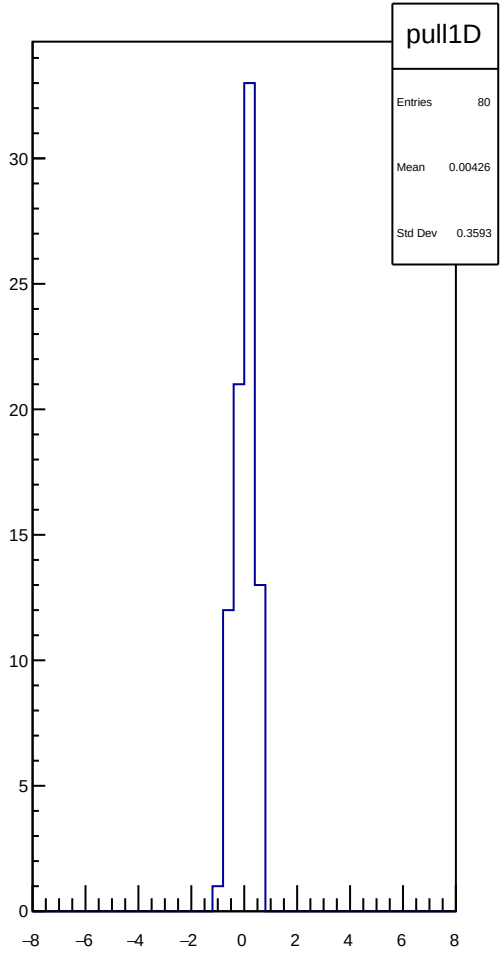

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.81 / 79
p0 −48 ± 10.43
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 80
Mean 37.95
Std Dev 39.34
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

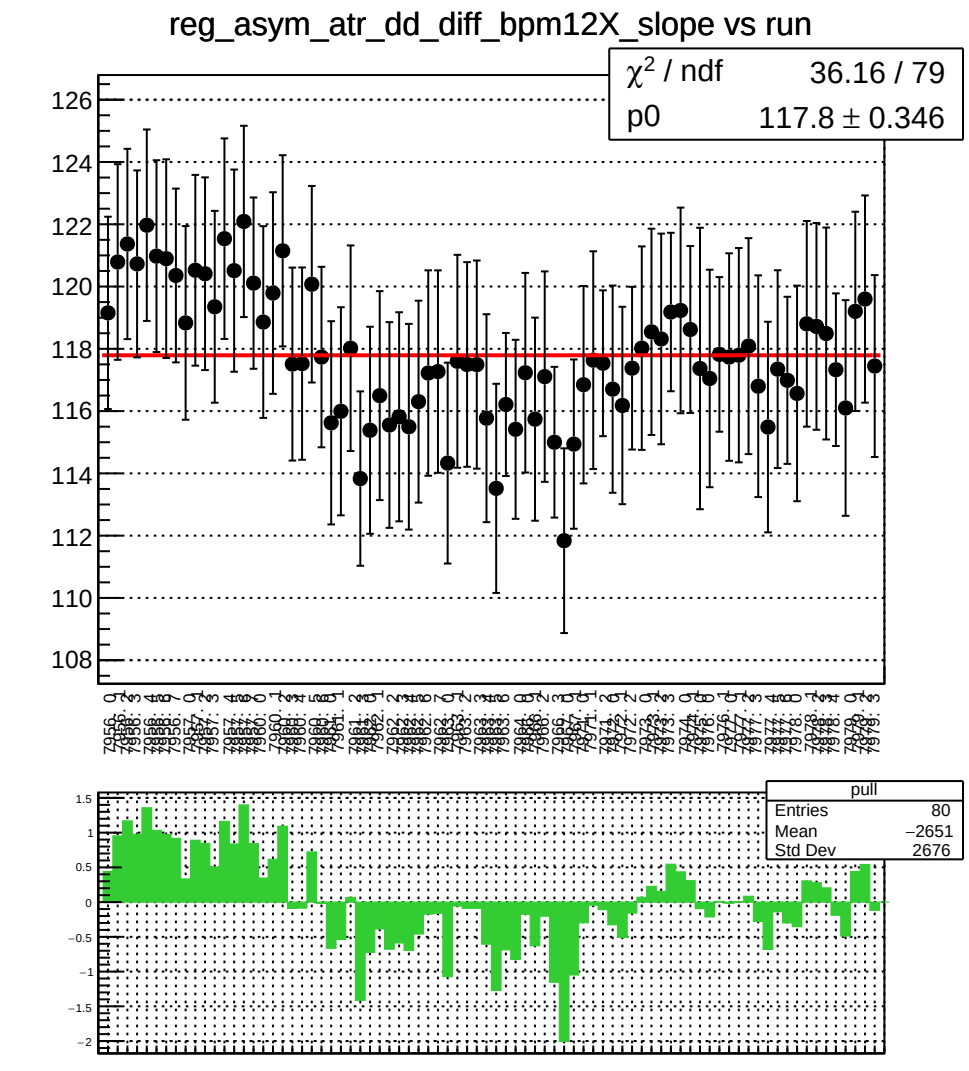

pull1D
Entries 80
Mean −0.005822
Std Dev 0.3676
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

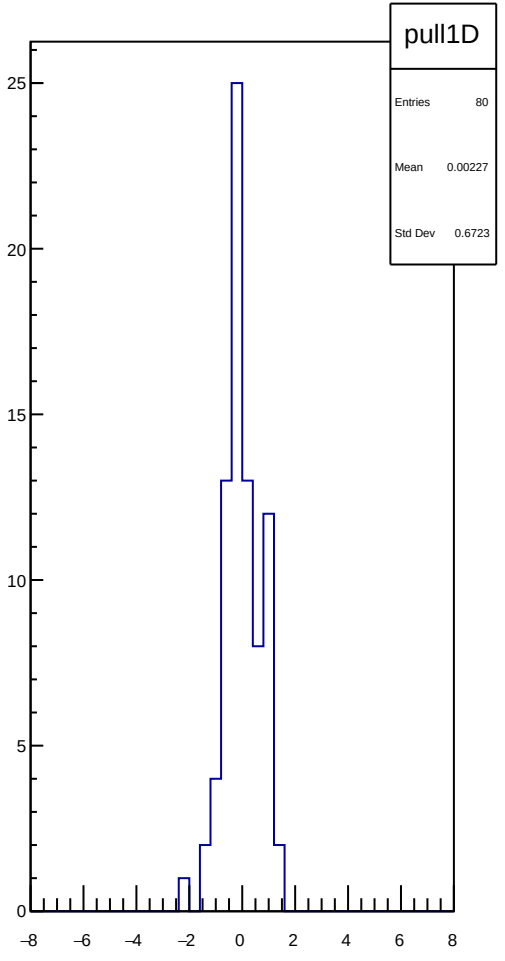

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.101 / 79
p0 −149.1 ± 8.91
pull
Entries 80
Mean −687.5
Std Dev 724.6

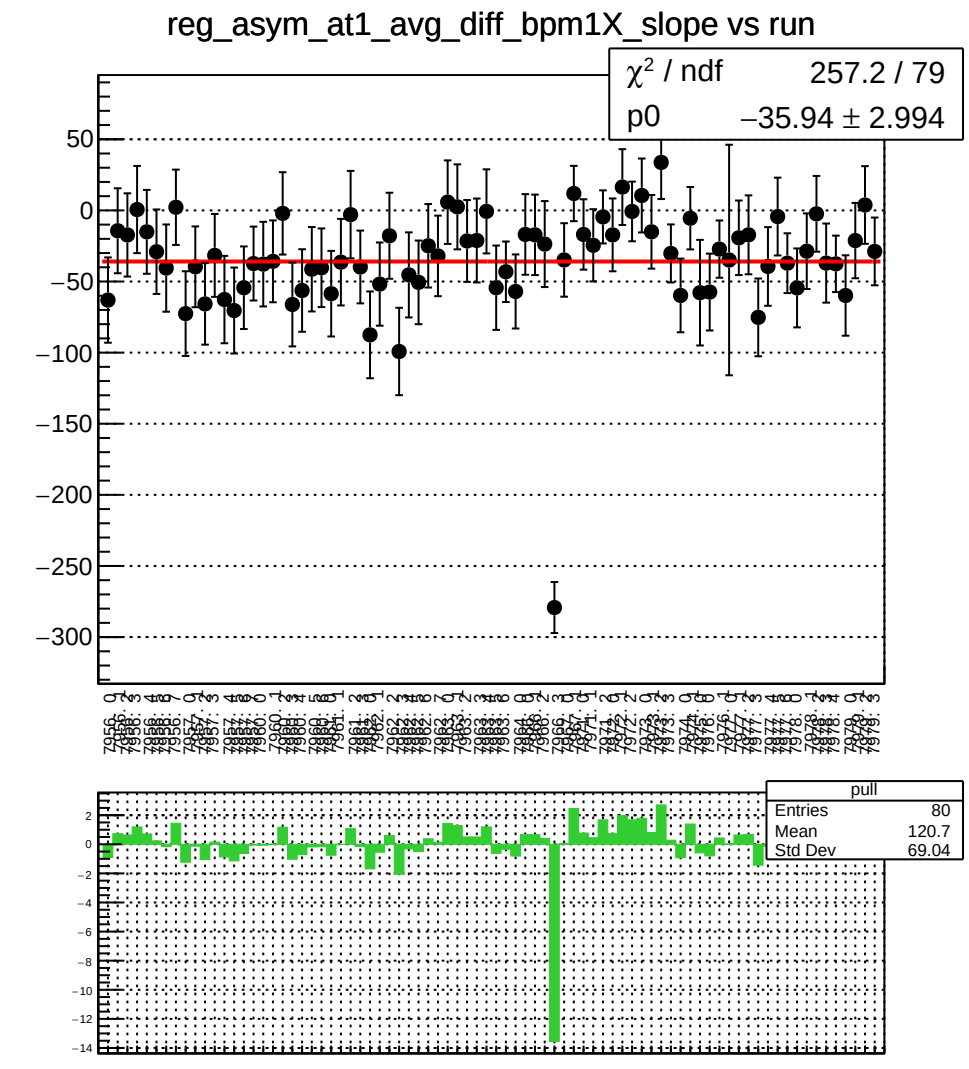

pull1D
Entries 80
Mean −0.001835
Std Dev 0.2979

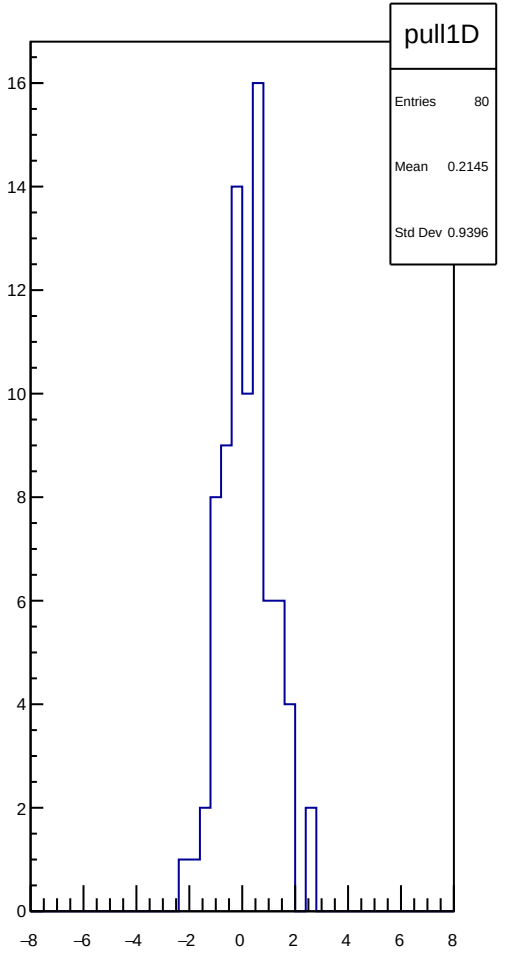

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.33 / 79
p0 4.397 ± 11.95
pull
Entries 80
Mean −183.3
Std Dev 225.3

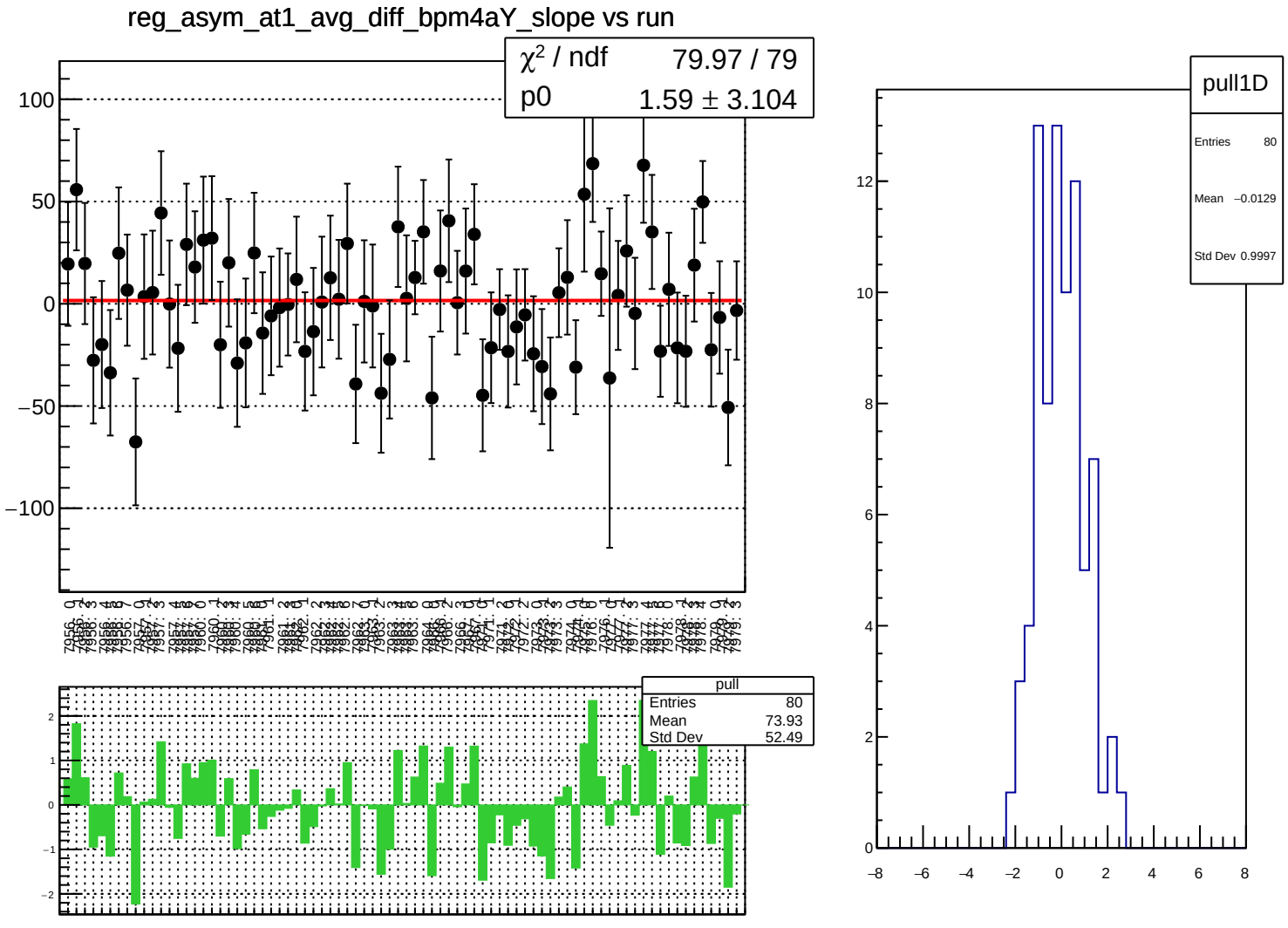

pull1D
Entries 80
Mean 0.00426
Std Dev 0.3593

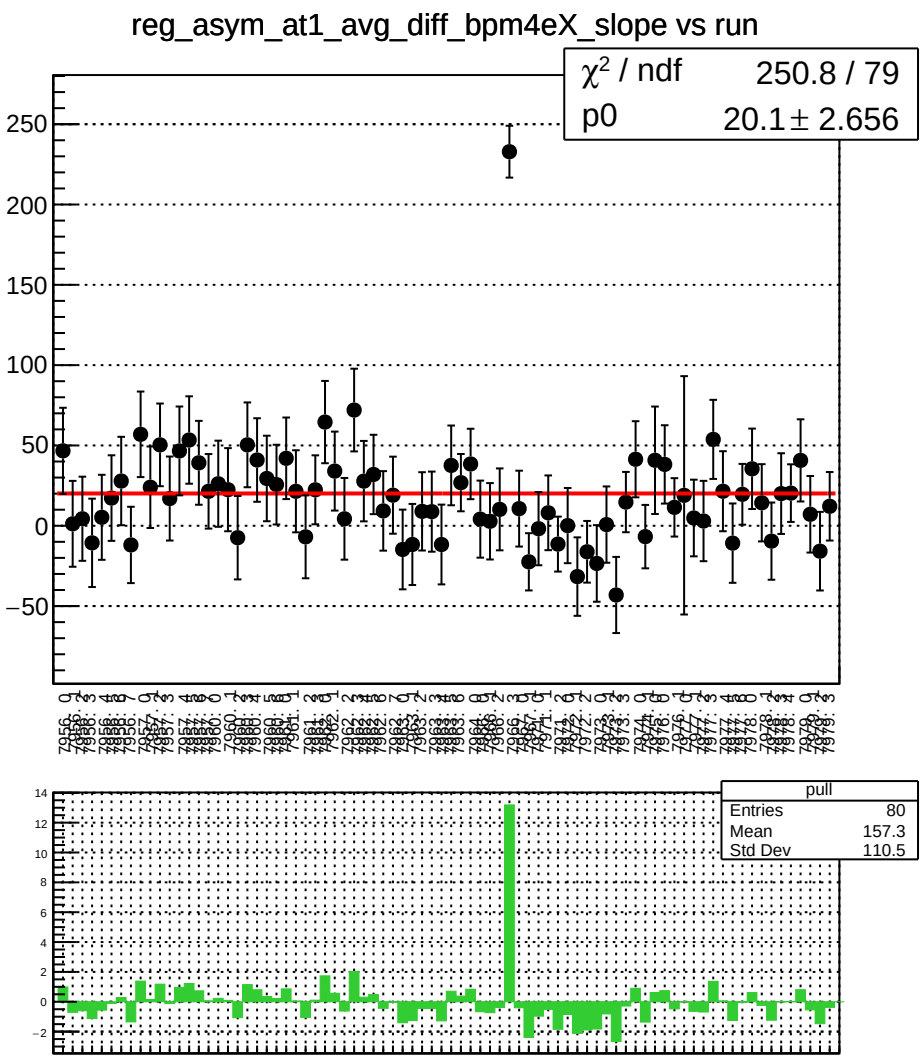

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 36.16 / 79
p0 117.8 ± 0.346
pull
Entries 80
Mean −2651
Std Dev 2676

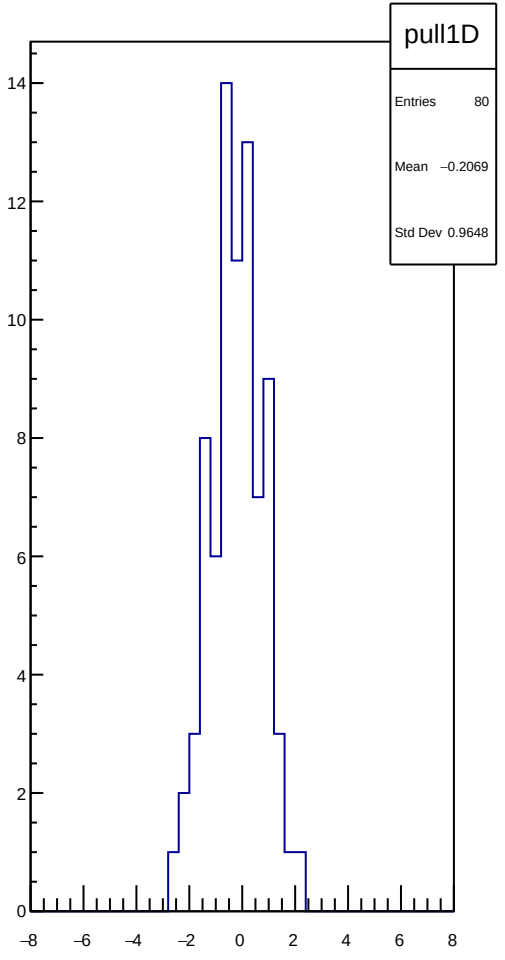

pull1D
Entries 80
Mean 0.00227
Std Dev 0.6723

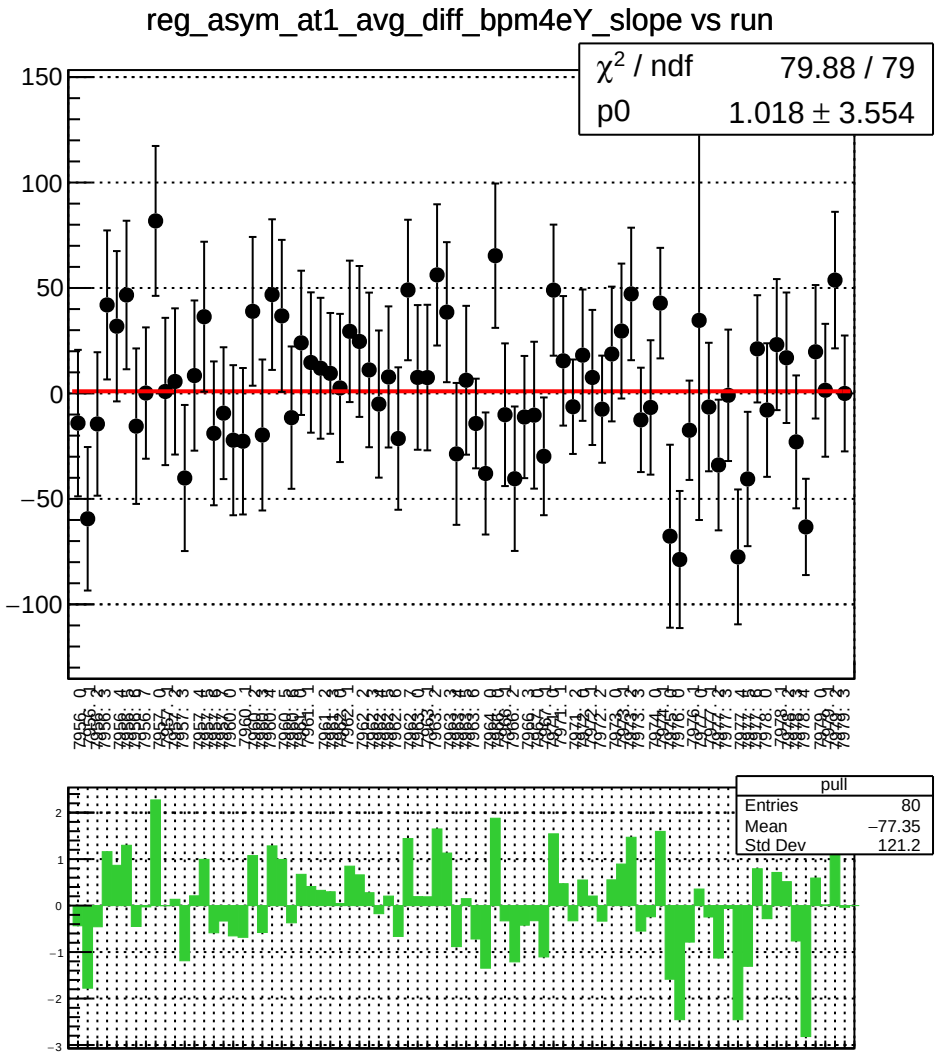

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 257.2 / 79
p0 −35.94 ± 2.994
pull
Entries 80
Mean 120.7
Std Dev 69.04

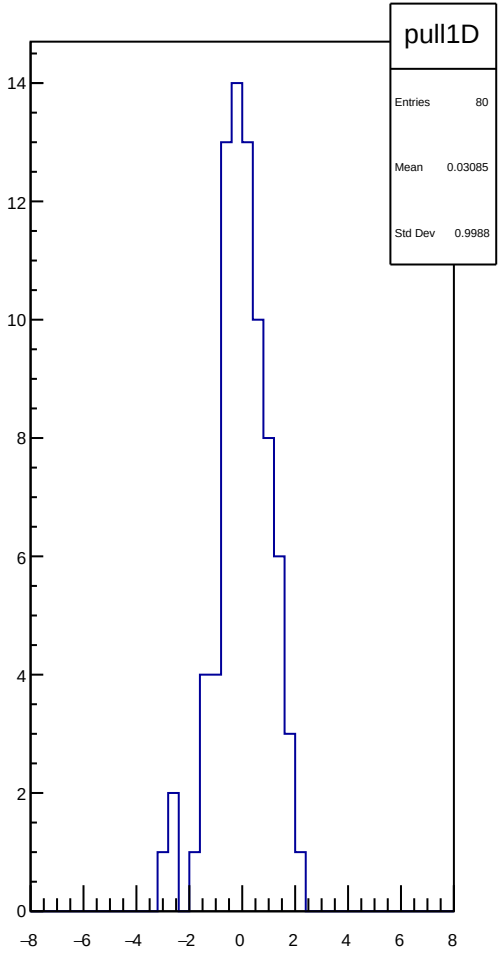

pull1D
Entries 80
Mean 0.2145
Std Dev 0.9396

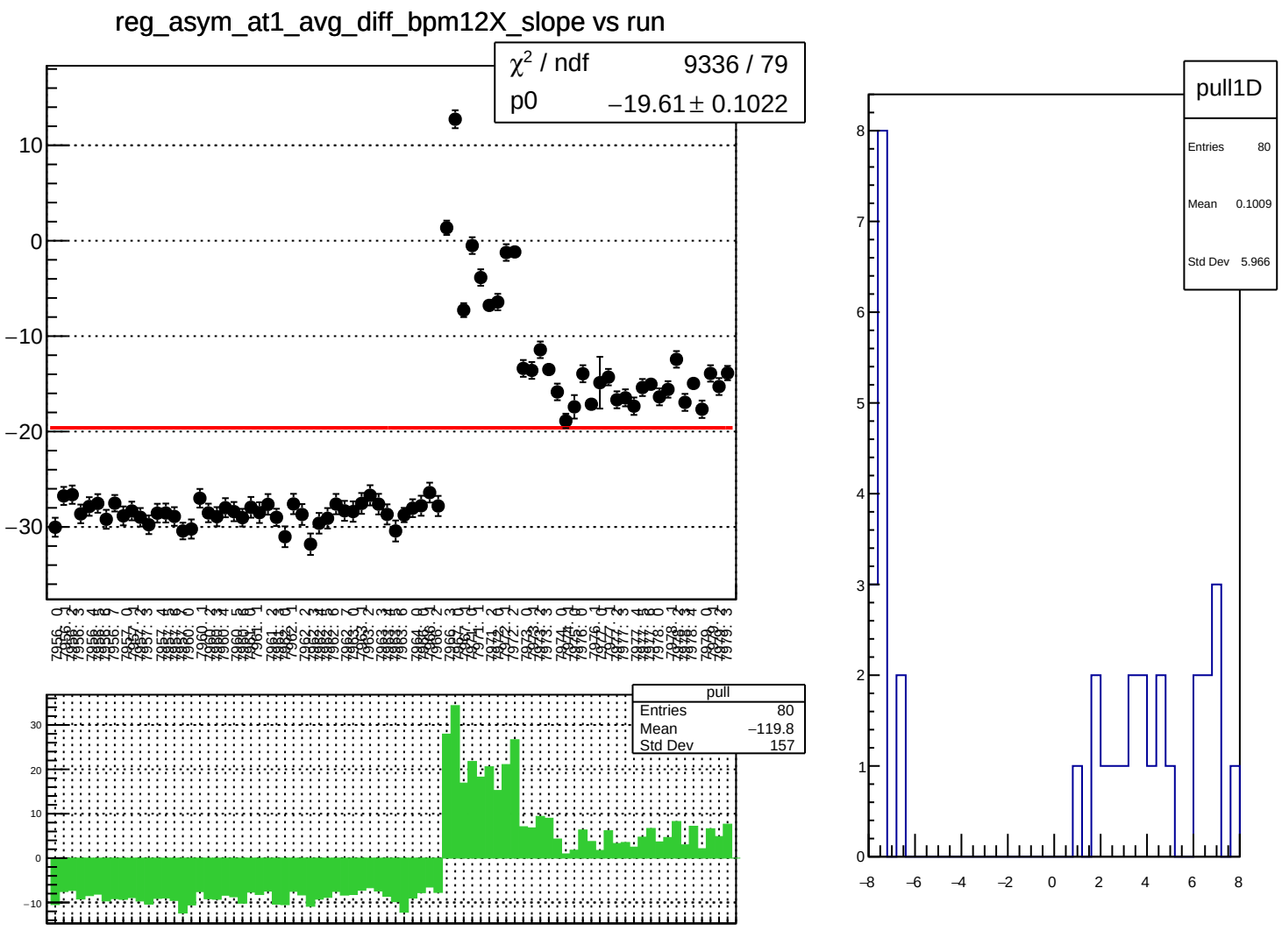

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.97 / 79
p0 1.59 ± 3.104
pull
Entries 80
Mean 73.93
Std Dev 52.49
pull1D
Entries 80
Mean −0.0129
Std Dev 0.9997

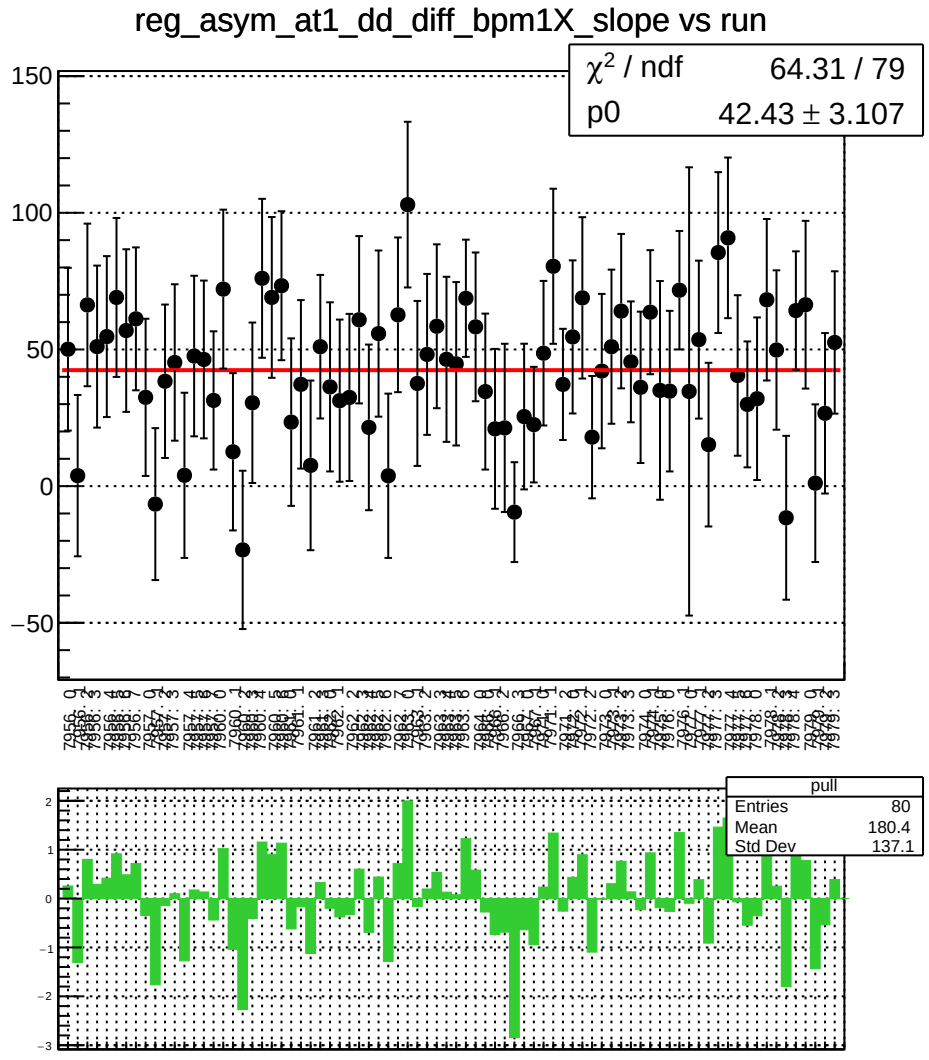

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 250.8 / 79
p0 20.1 ± 2.656
pull
Entries 80
Mean 157.3
Std Dev 110.5

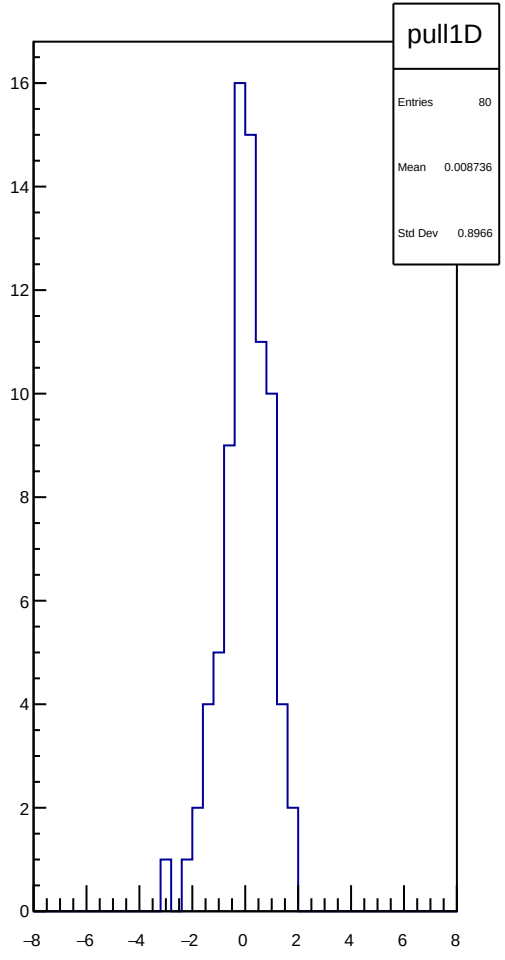

pull1D
Entries 80
Mean −0.2069
Std Dev 0.9648

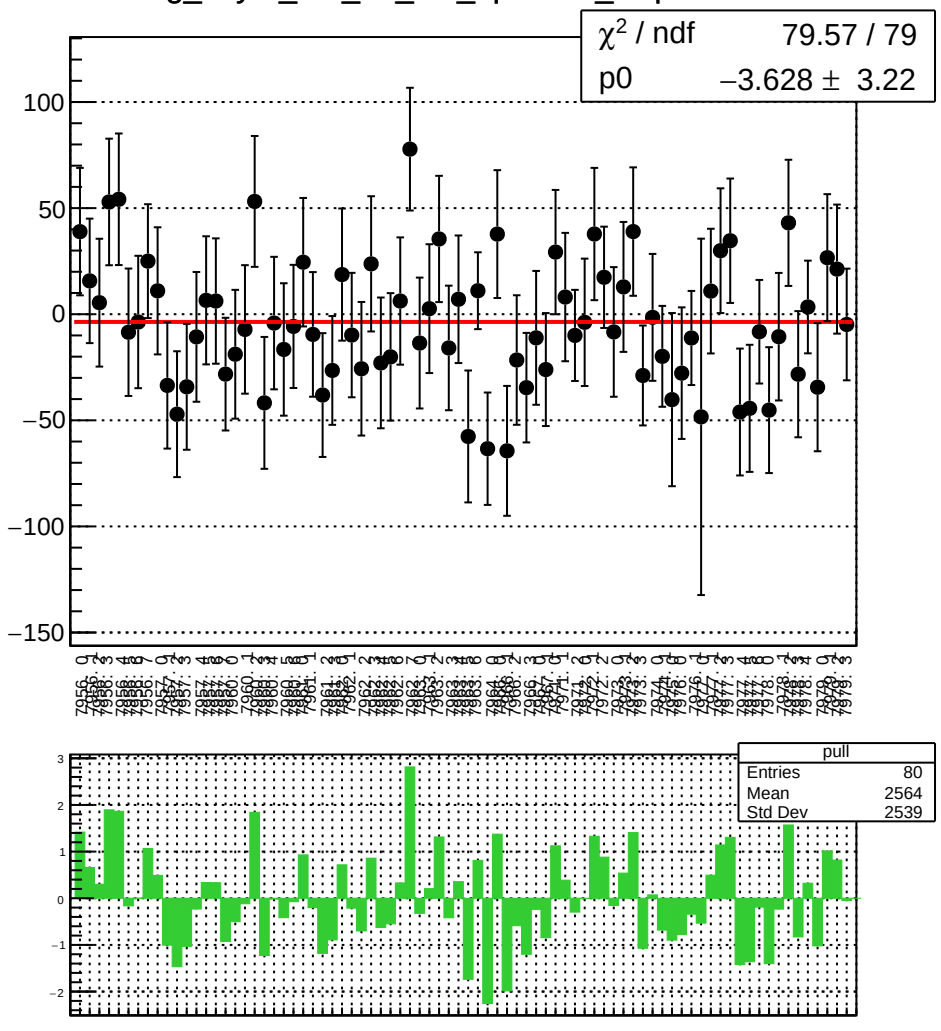

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.88 / 79
p0 1.018 ± 3.554
150
100
50
0
−50
−100
pull
Entries 80
Mean −77.35
Std Dev 121.2
2
1
0
−1
−2
−3

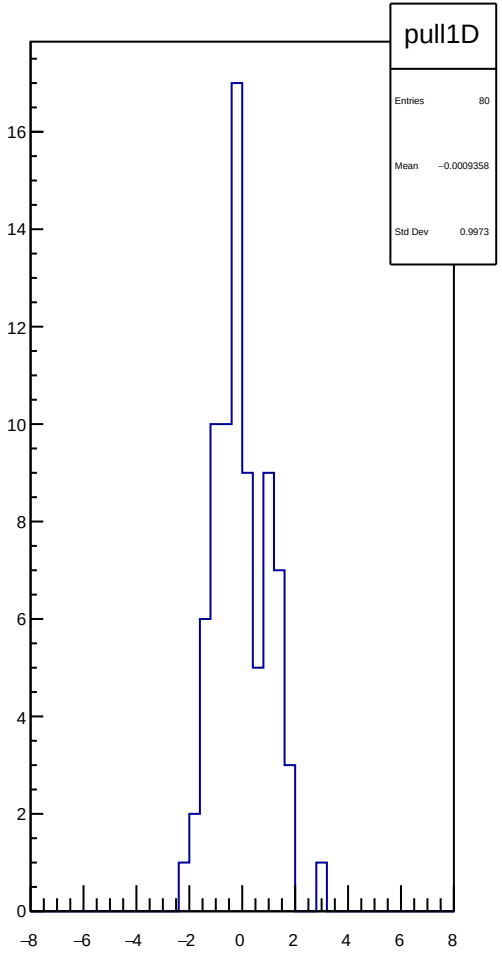

pull1D
Entries 80
Mean 0.03085
Std Dev 0.9988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

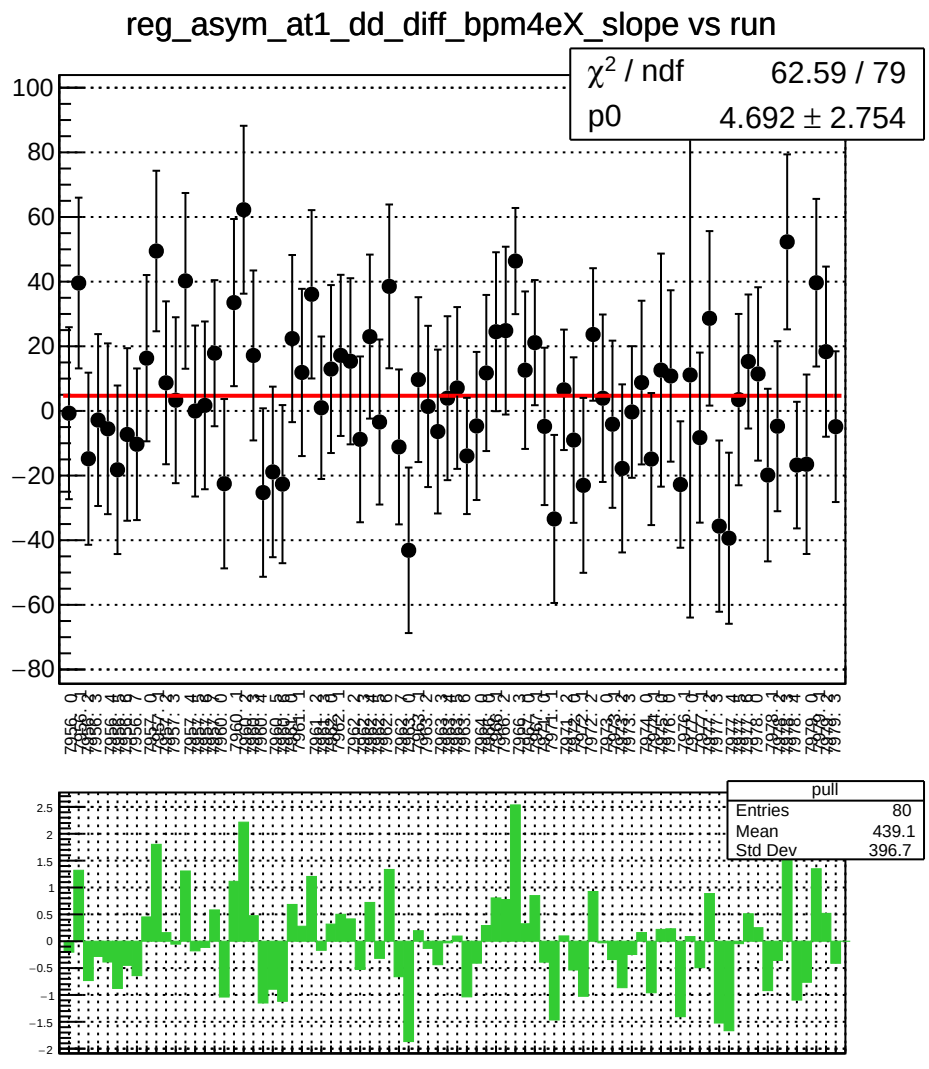

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 9336 / 79
p0 −19.61 ± 0.1022
pull
Entries 80
Mean −119.8
Std Dev 157
pull1D
Entries 80
Mean 0.1009
Std Dev 5.966

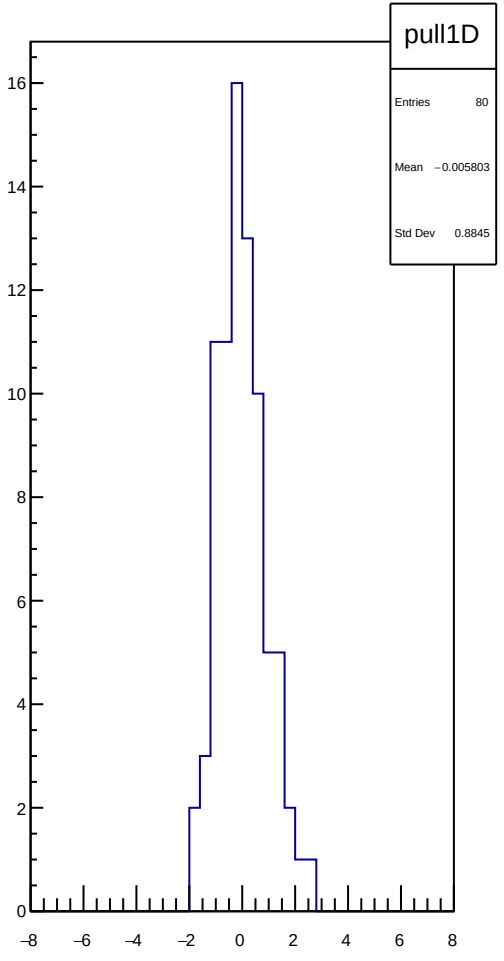

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.31 / 79
p0 42.43 ± 3.107
150
100
50
0
−50
pull
Entries 80
Mean 180.4
Std Dev 137.1
2
1
0
−1
−2
−3

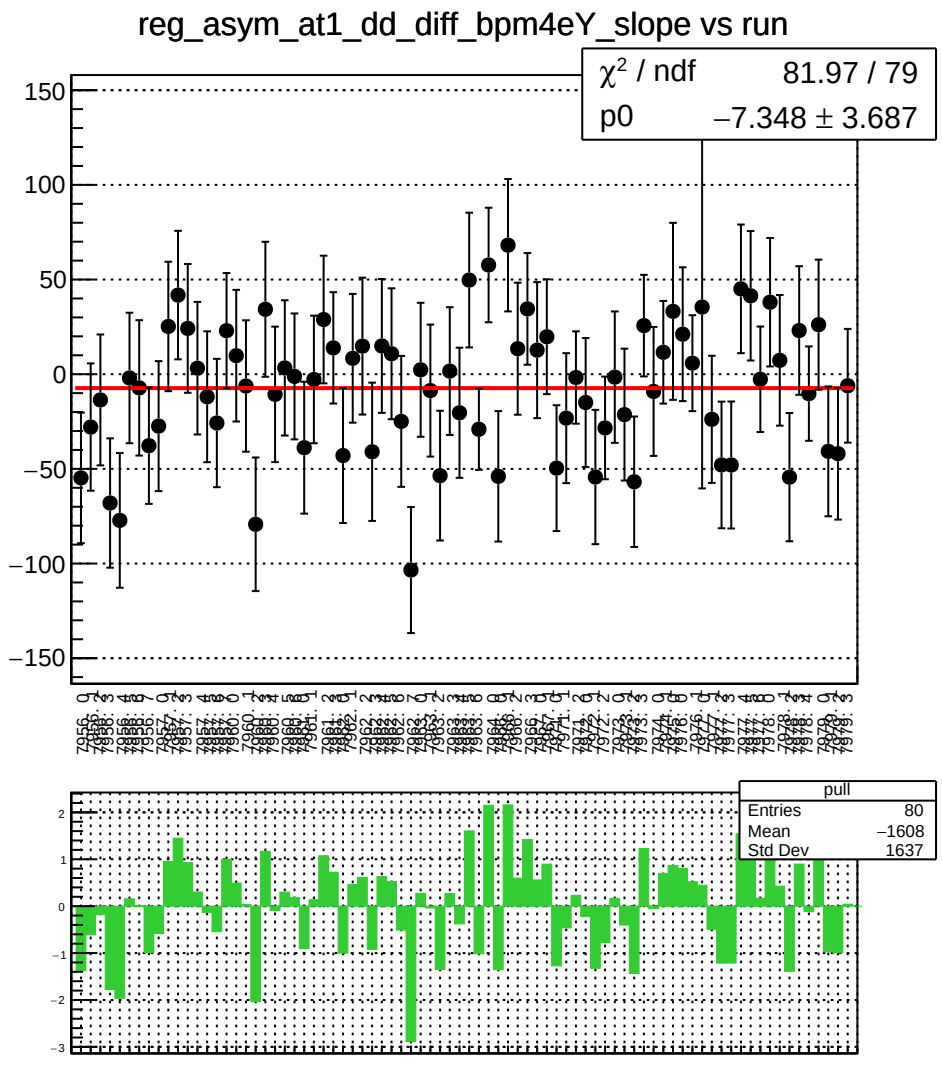

pull1D
Entries 80
Mean 0.008736
Std Dev 0.8966
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

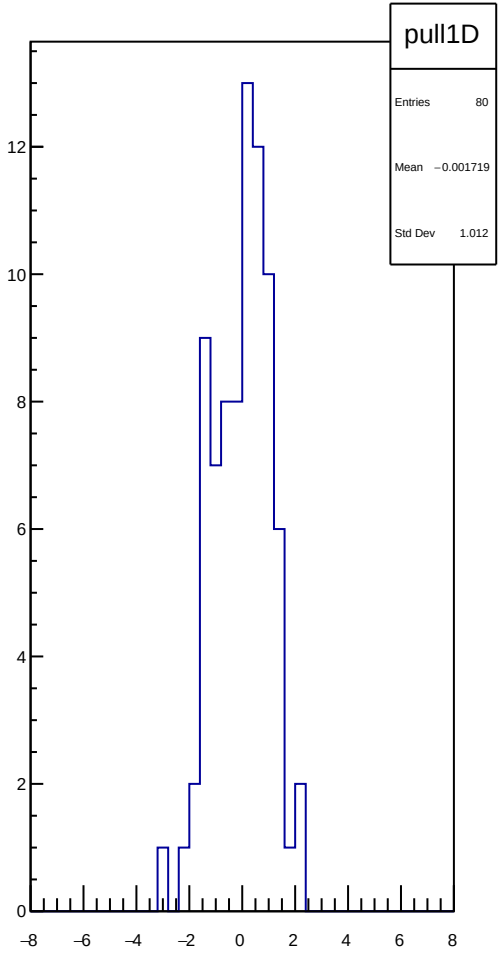

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.57 / 79
p0 −3.628 ± 3.22
pull
Entries 80
Mean 2564
Std Dev 2539

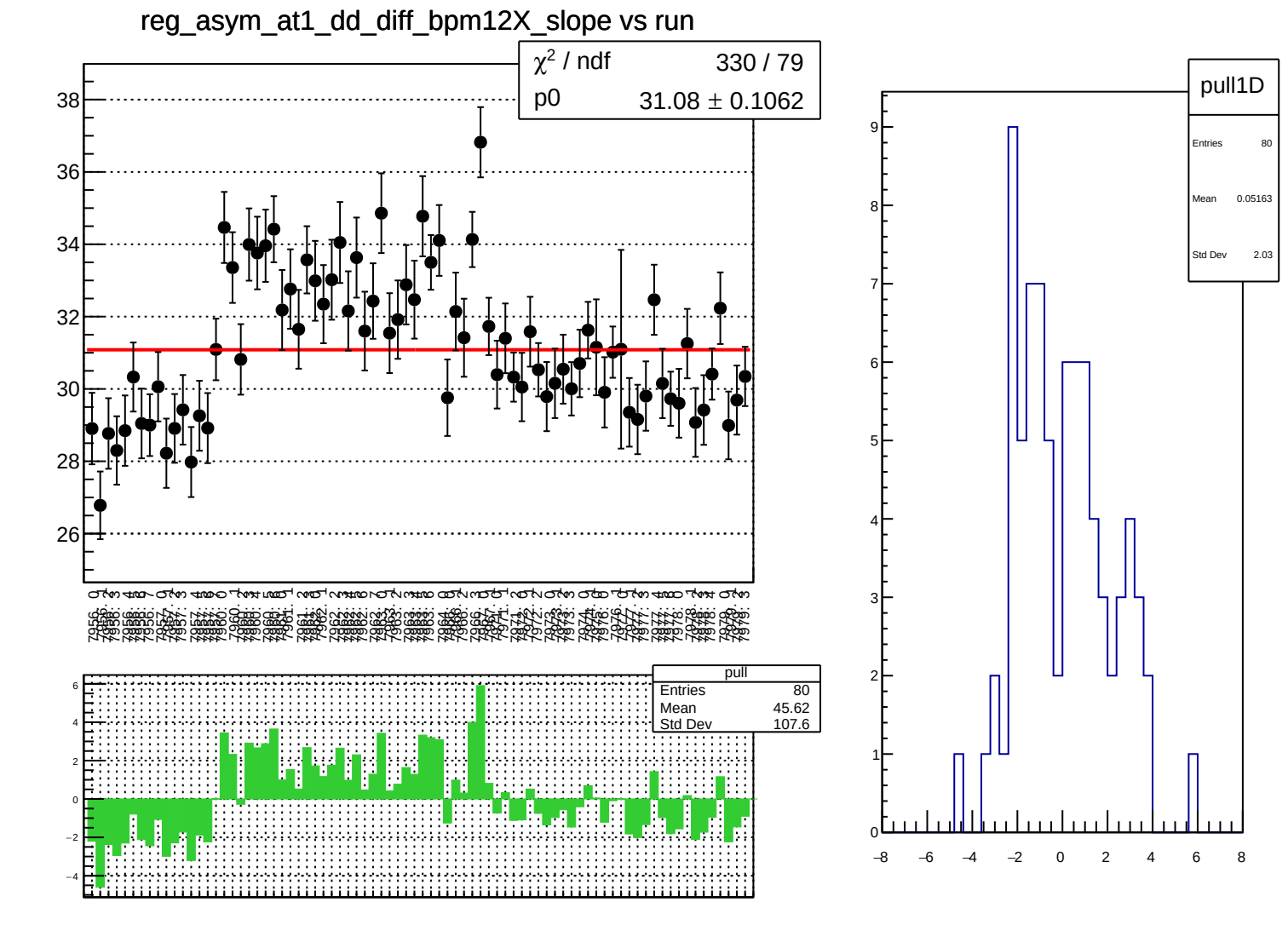

pull1D
Entries 80
Mean −0.0009358
Std Dev 0.9973

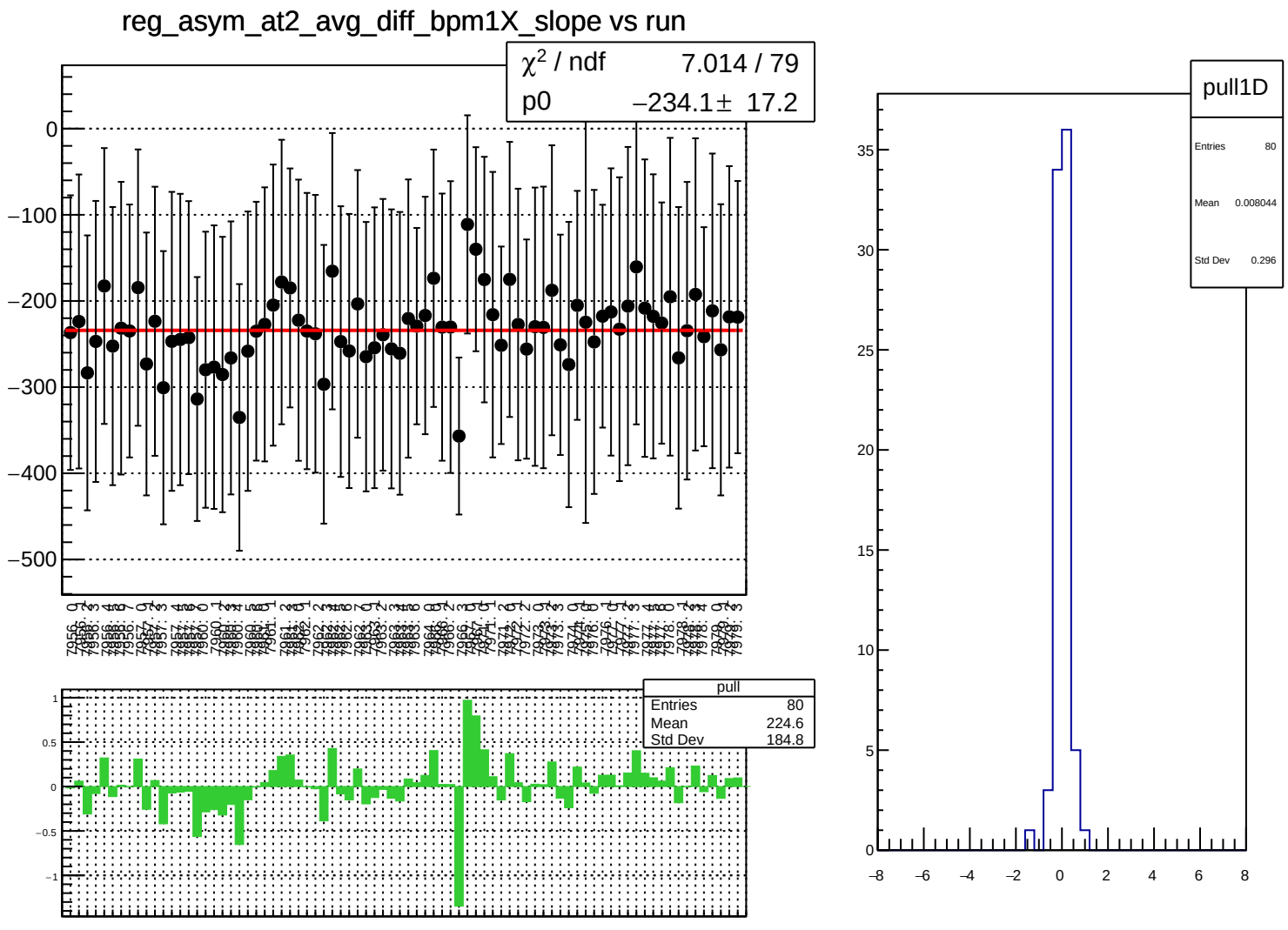

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.59 / 79
p0 4.692 ± 2.754
pull
Entries 80
Mean 439.1
Std Dev 396.7

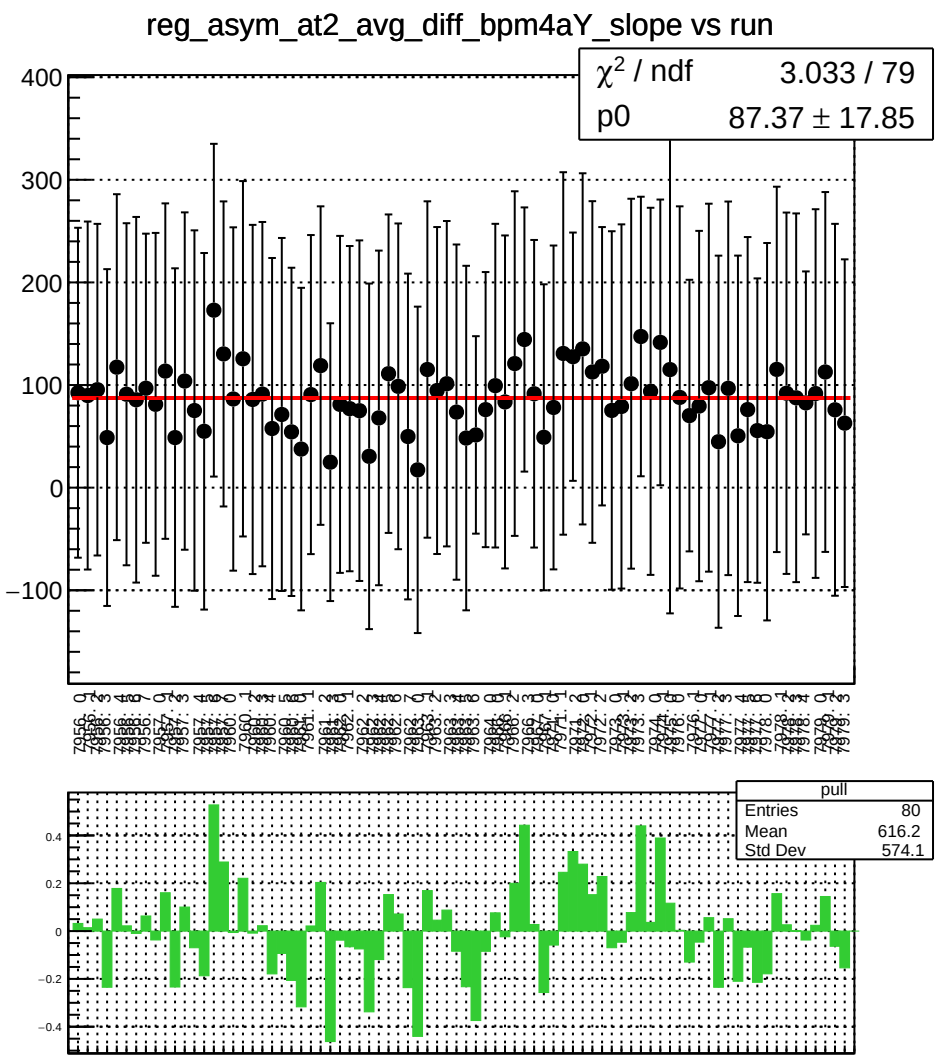

pull1D
Entries 80
Mean −0.005803
Std Dev 0.8845

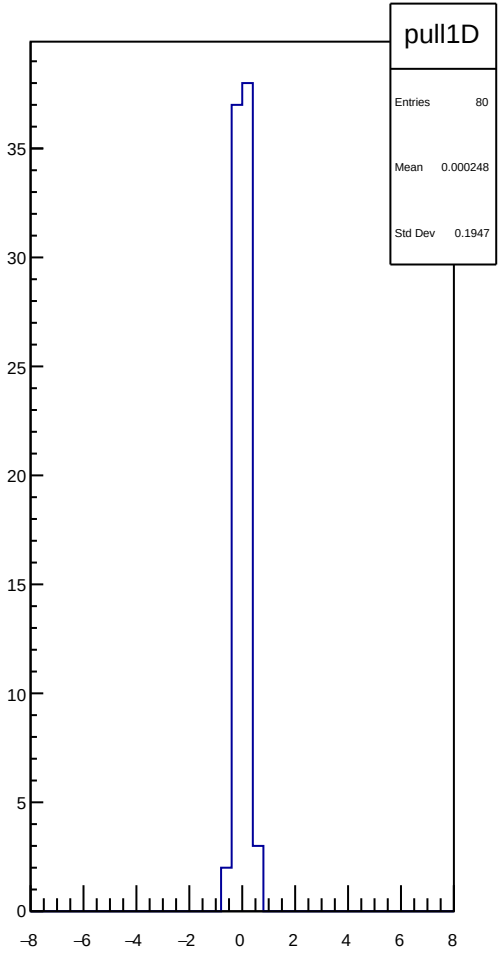

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.97 / 79
p0 −7.348 ± 3.687
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −1608
Std Dev 1637
2
1
0
−1
−2
−3

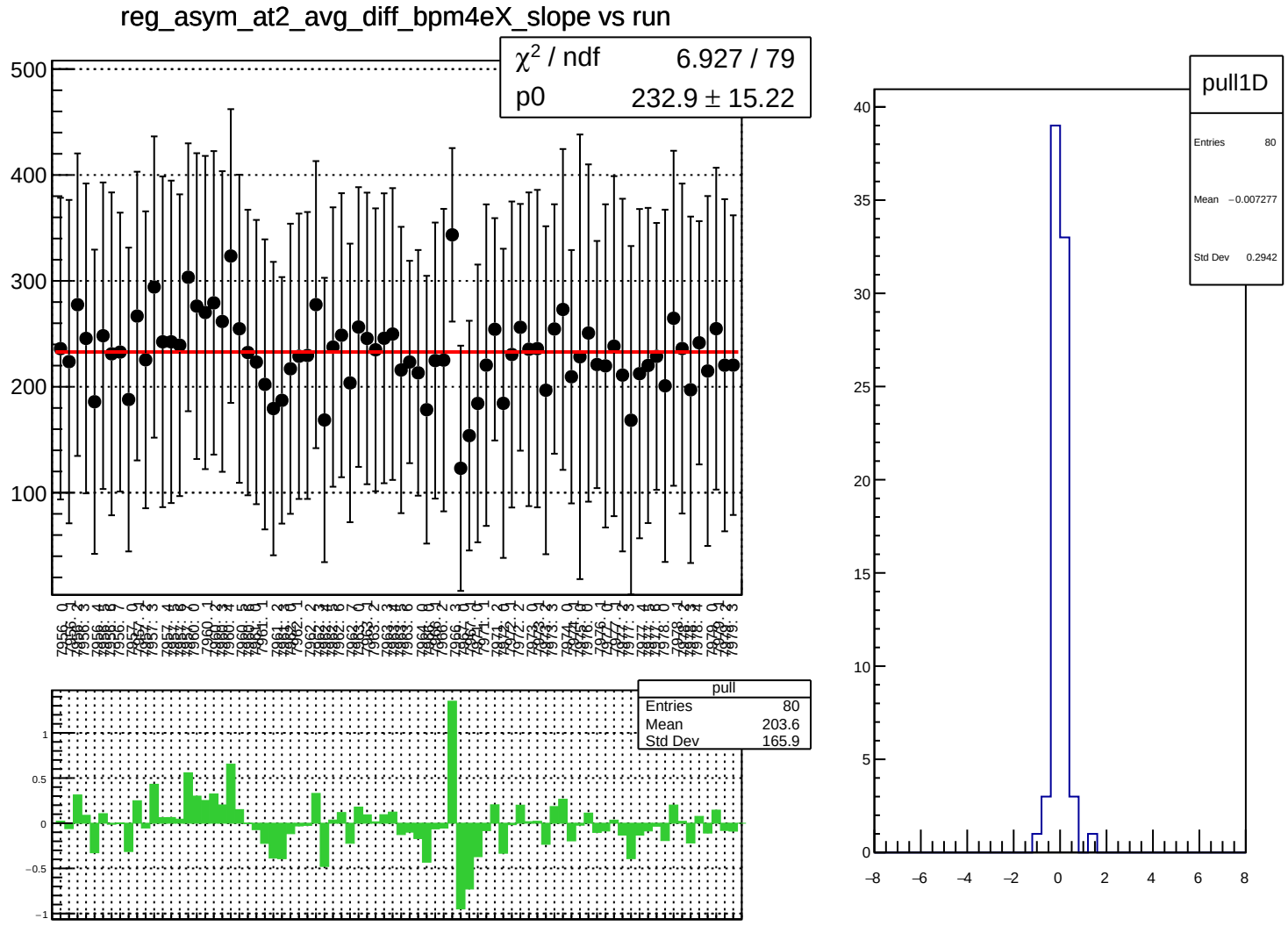

pull1D
Entries 80
Mean −0.001719
Std Dev 1.012
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

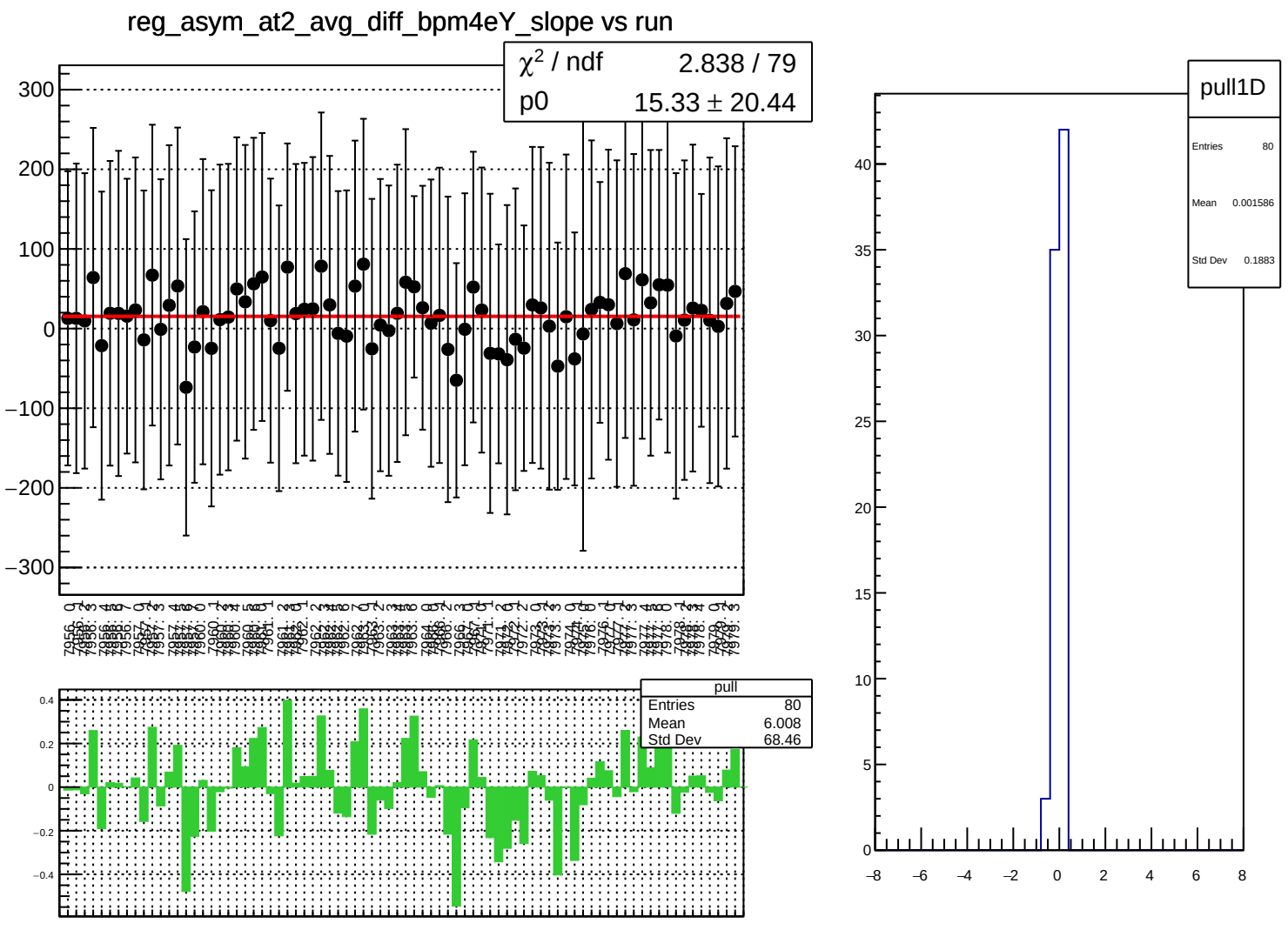

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 330 / 79
p0 31.08 ± 0.1062
pull
Entries 80
Mean 45.62
Std Dev 107.6
pull1D
Entries 80
Mean 0.05163
Std Dev 2.03

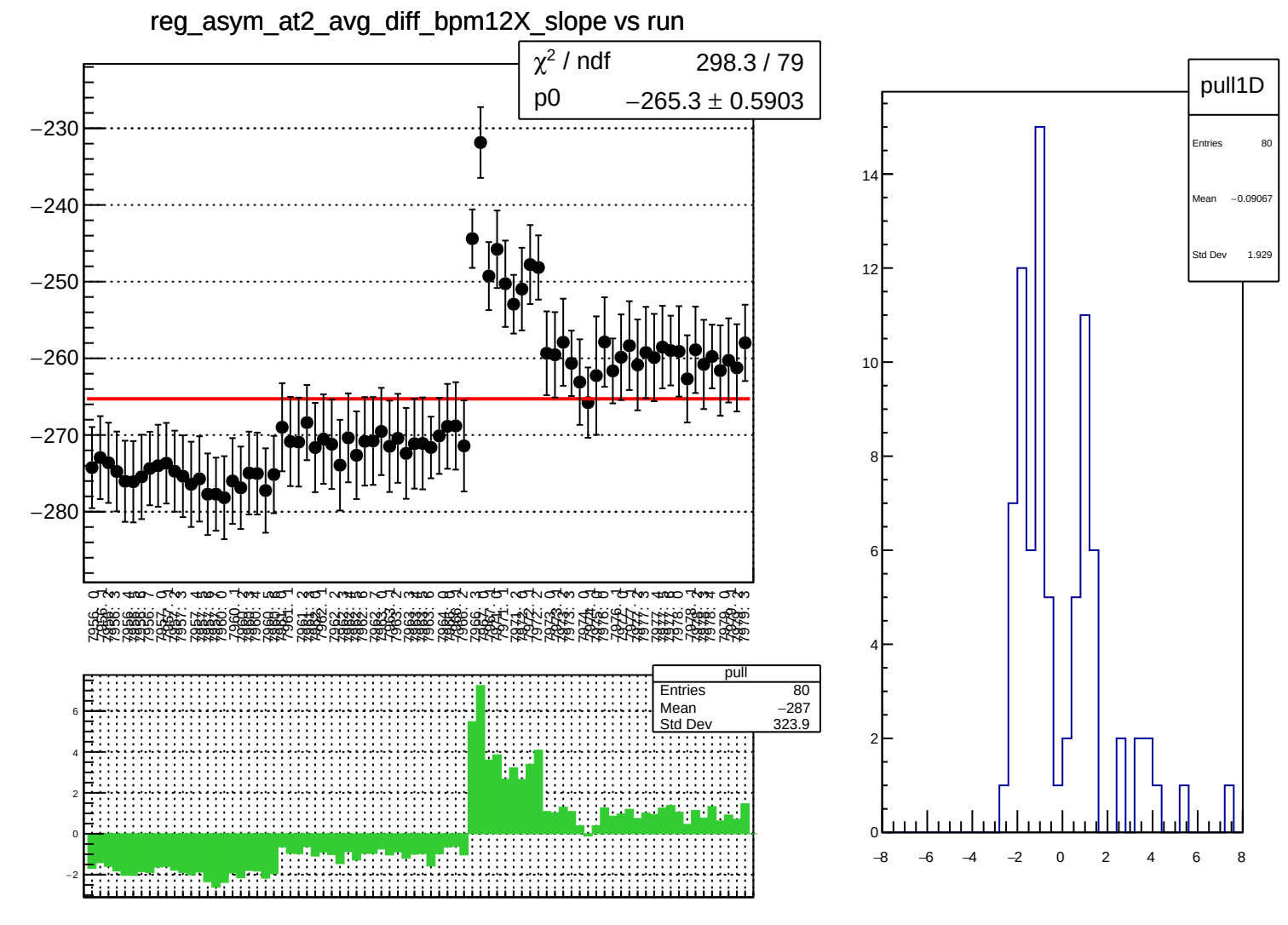

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.014 / 79
p0 −234.1± 17.2
pull
Entries 80
Mean 224.6
Std Dev 184.8
pull1D
Entries 80
Mean 0.008044
Std Dev 0.296

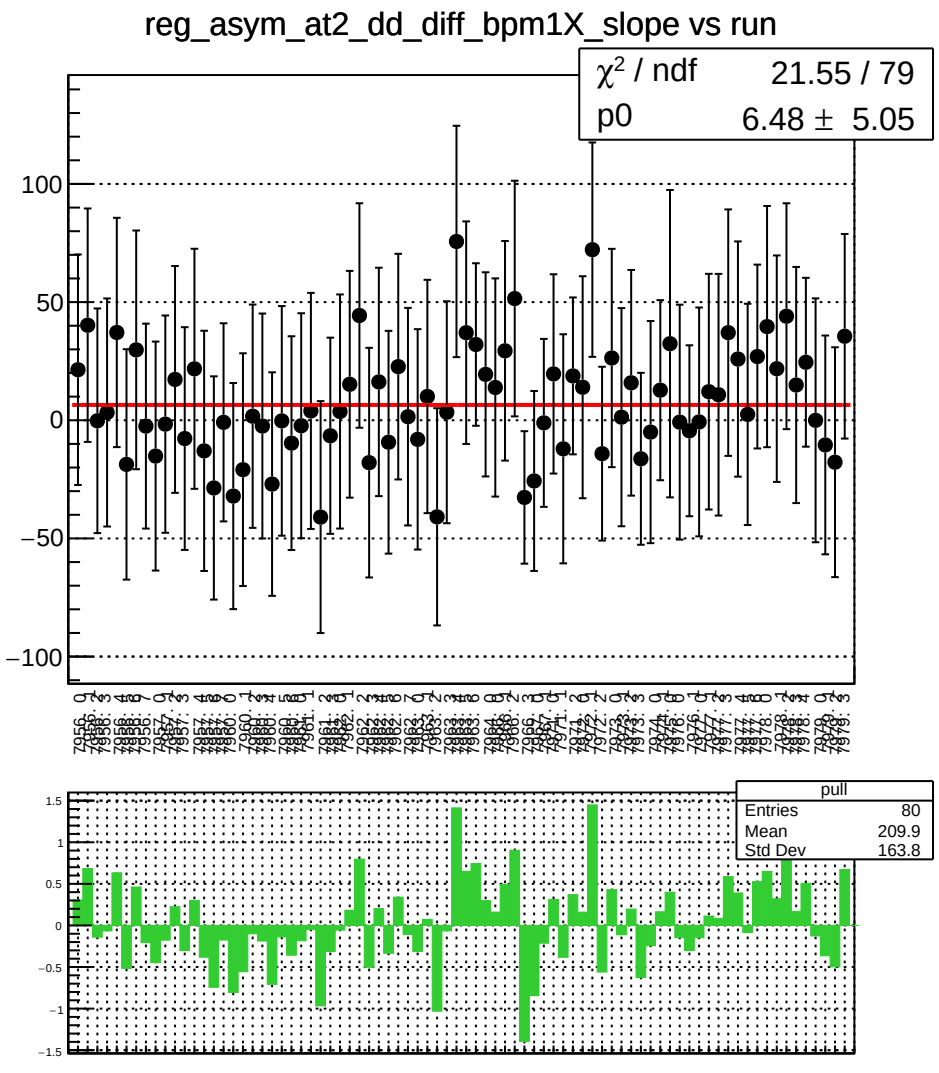

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.033 / 79
p0 87.37 ± 17.85
pull
Entries 80
Mean 616.2
Std Dev 574.1

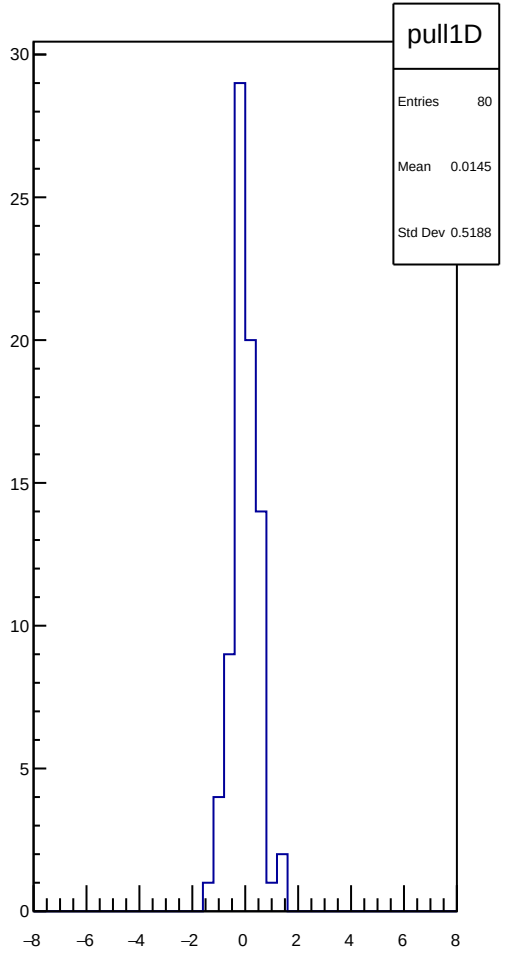

pull1D
Entries 80
Mean 0.000248
Std Dev 0.1947

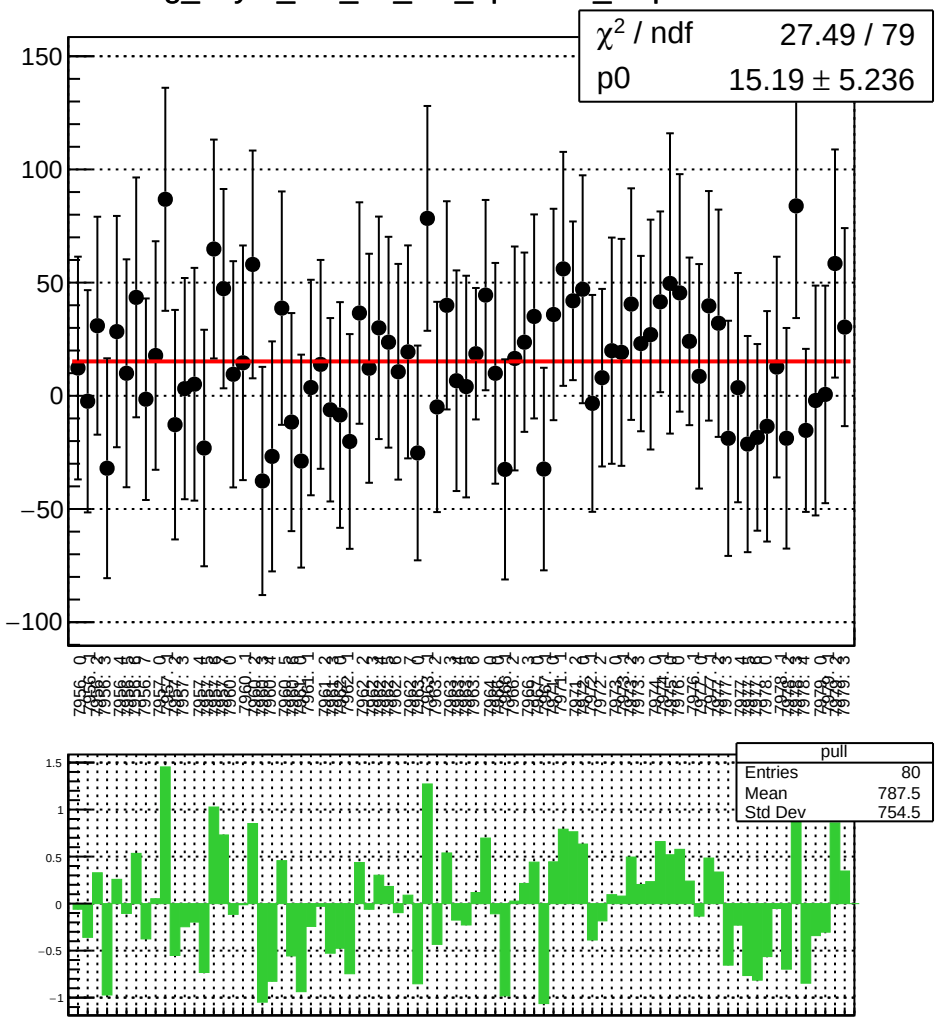

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.927 / 79
p0 232.9 ± 15.22
pull
Entries 80
Mean 203.6
Std Dev 165.9
pull1D
Entries 80
Mean −0.007277
Std Dev 0.2942

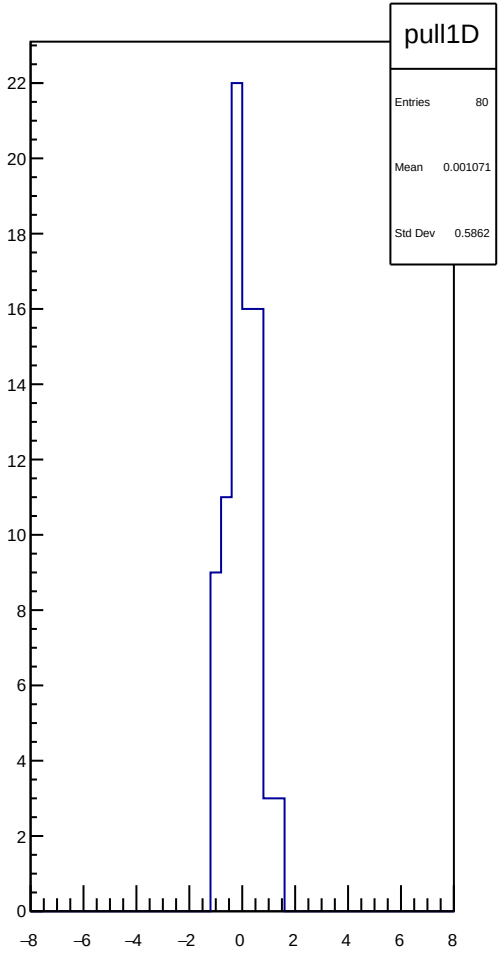

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.838 / 79
p0 15.33 ± 20.44
pull
Entries 80
Mean 6.008
Std Dev 68.46
pull1D
Entries 80
Mean 0.001586
Std Dev 0.1883

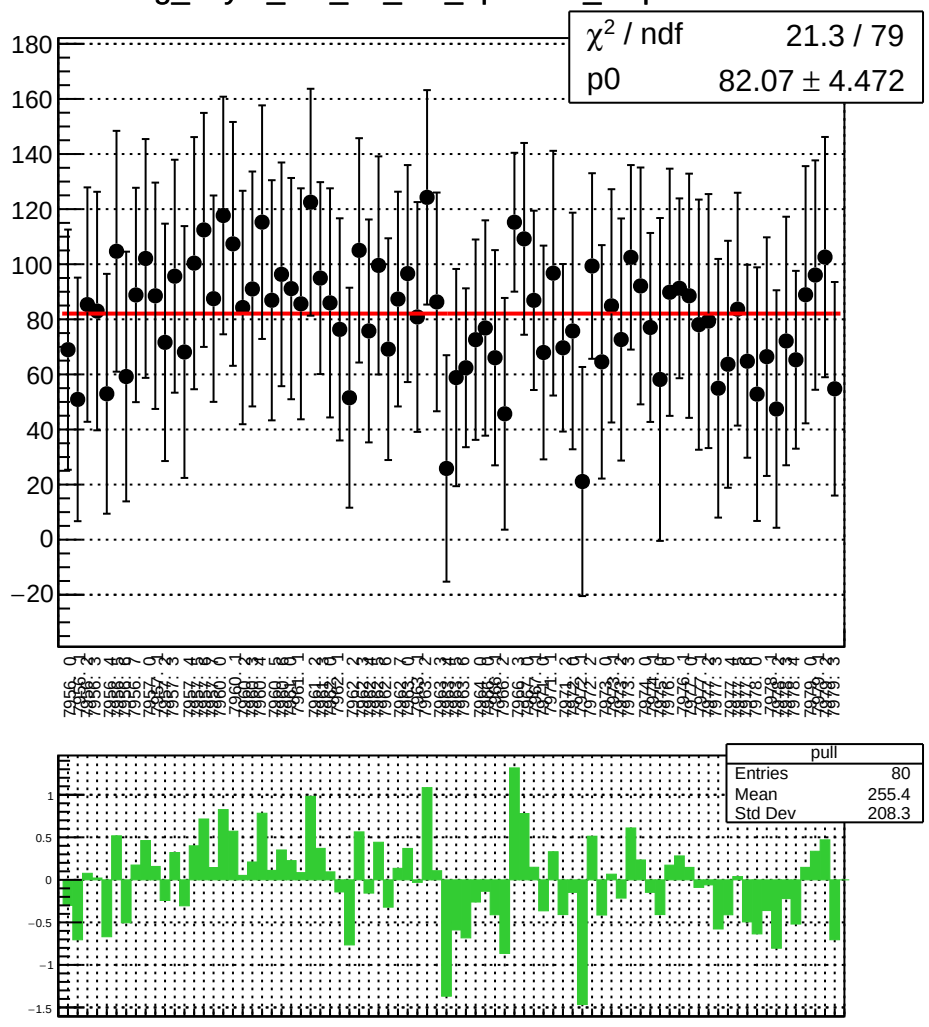

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 298.3 / 79
p0 −265.3 ± 0.5903
pull
Entries 80
Mean −287
Std Dev 323.9
pull1D
Entries 80
Mean −0.09067
Std Dev 1.929

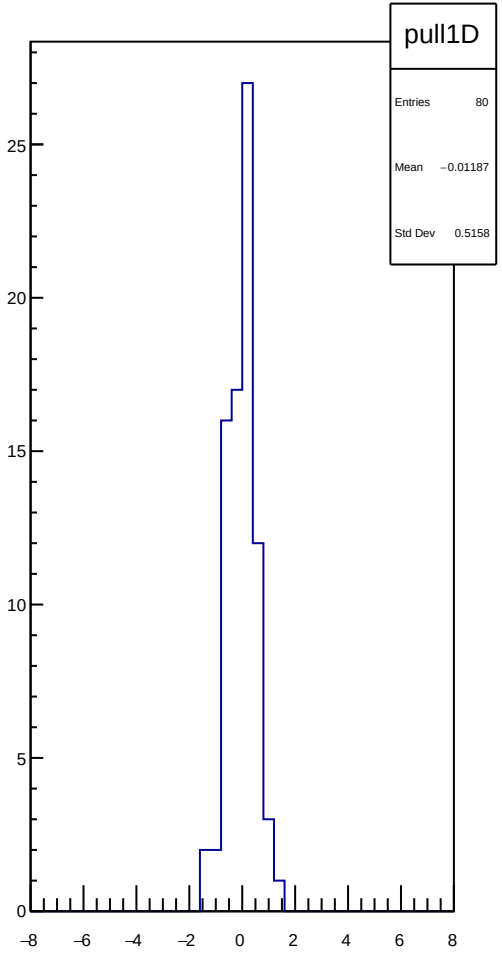

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.55 / 79
p0 6.48 ± 5.05
100
50
0
−50
−100
pull
Entries 80
Mean 209.9
Std Dev 163.8
1.5
1
0.5
0
−0.5
−1
−1.5

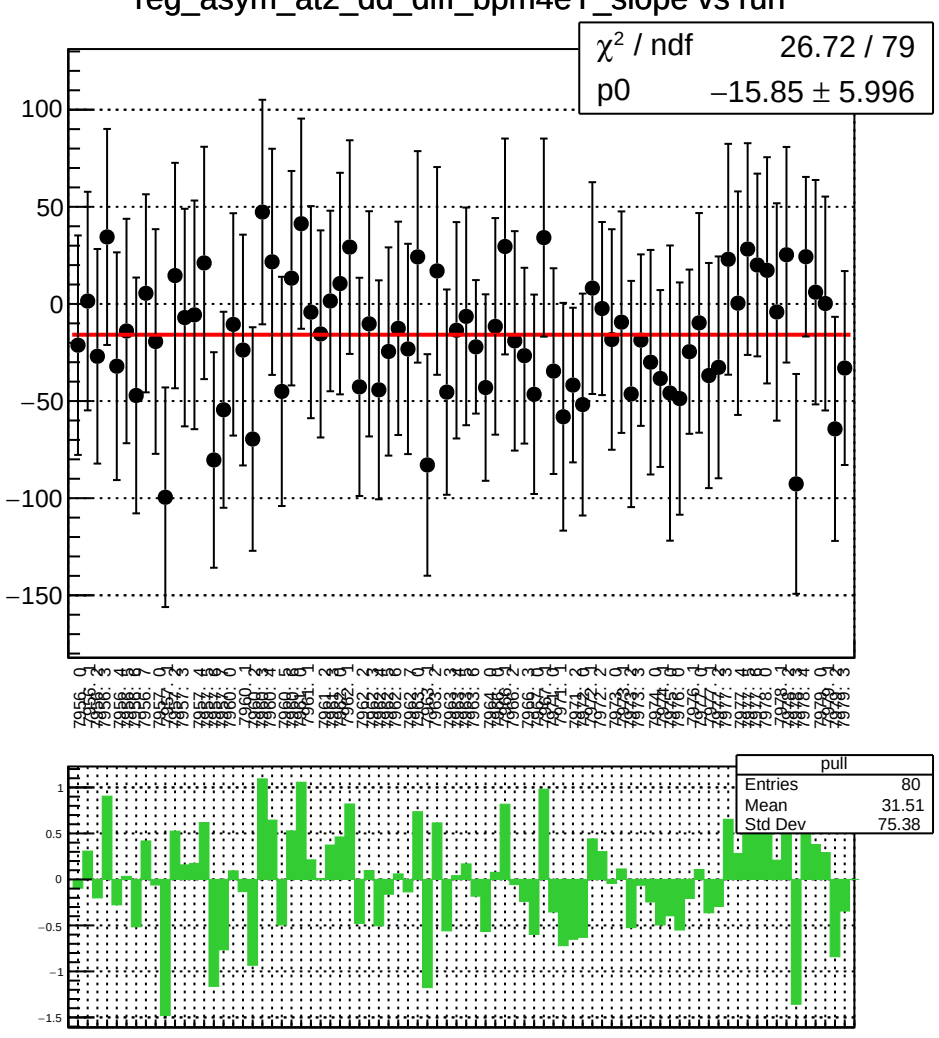

pull1D
Entries 80
Mean 0.0145
Std Dev 0.5188
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

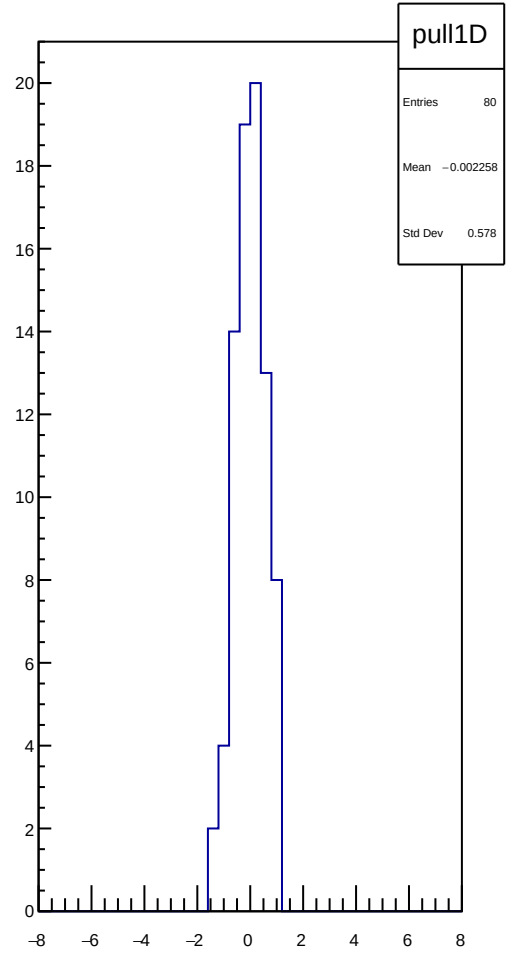

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.49 / 79
p0 15.19 ± 5.236
pull
Entries 80
Mean 787.5
Std Dev 754.5

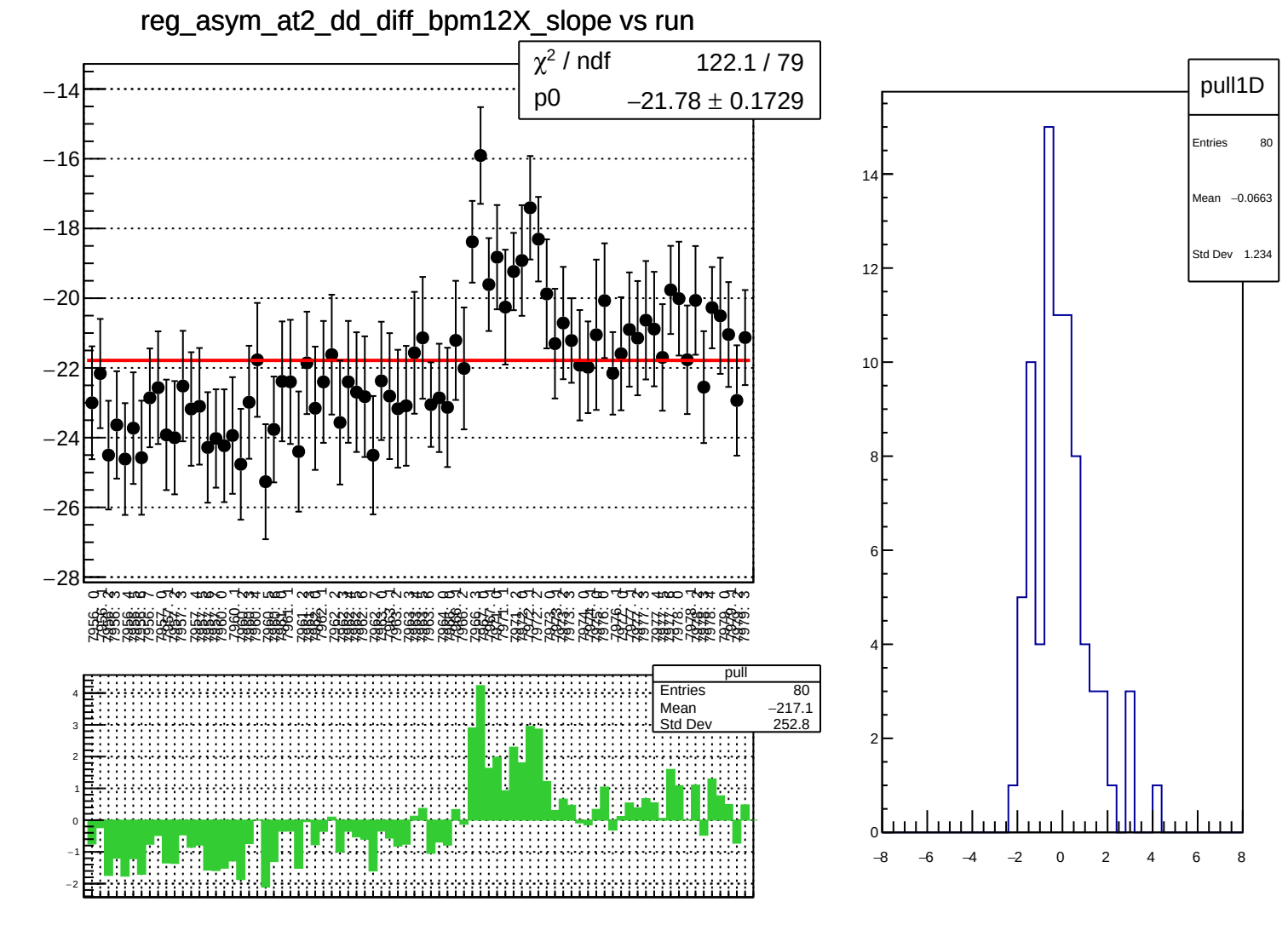

pull1D
Entries 80
Mean 0.001071
Std Dev 0.5862

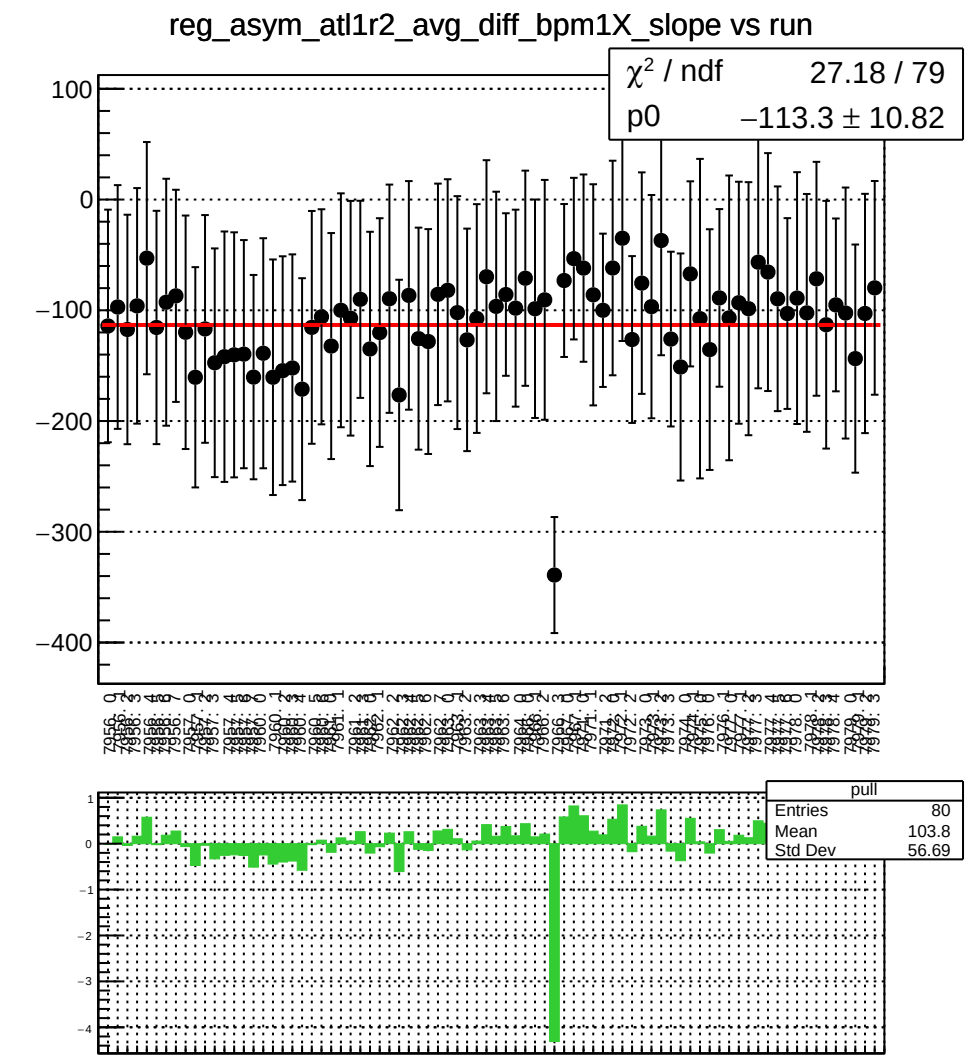

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 21.3 / 79
p0 82.07 ± 4.472
pull
Entries 80
Mean 255.4
Std Dev 208.3

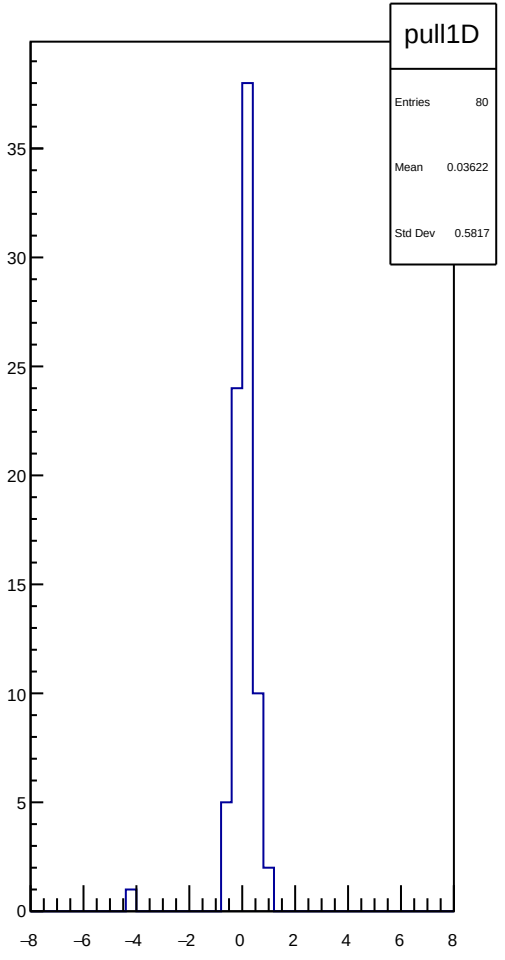

pull1D
Entries 80
Mean −0.01187
Std Dev 0.5158

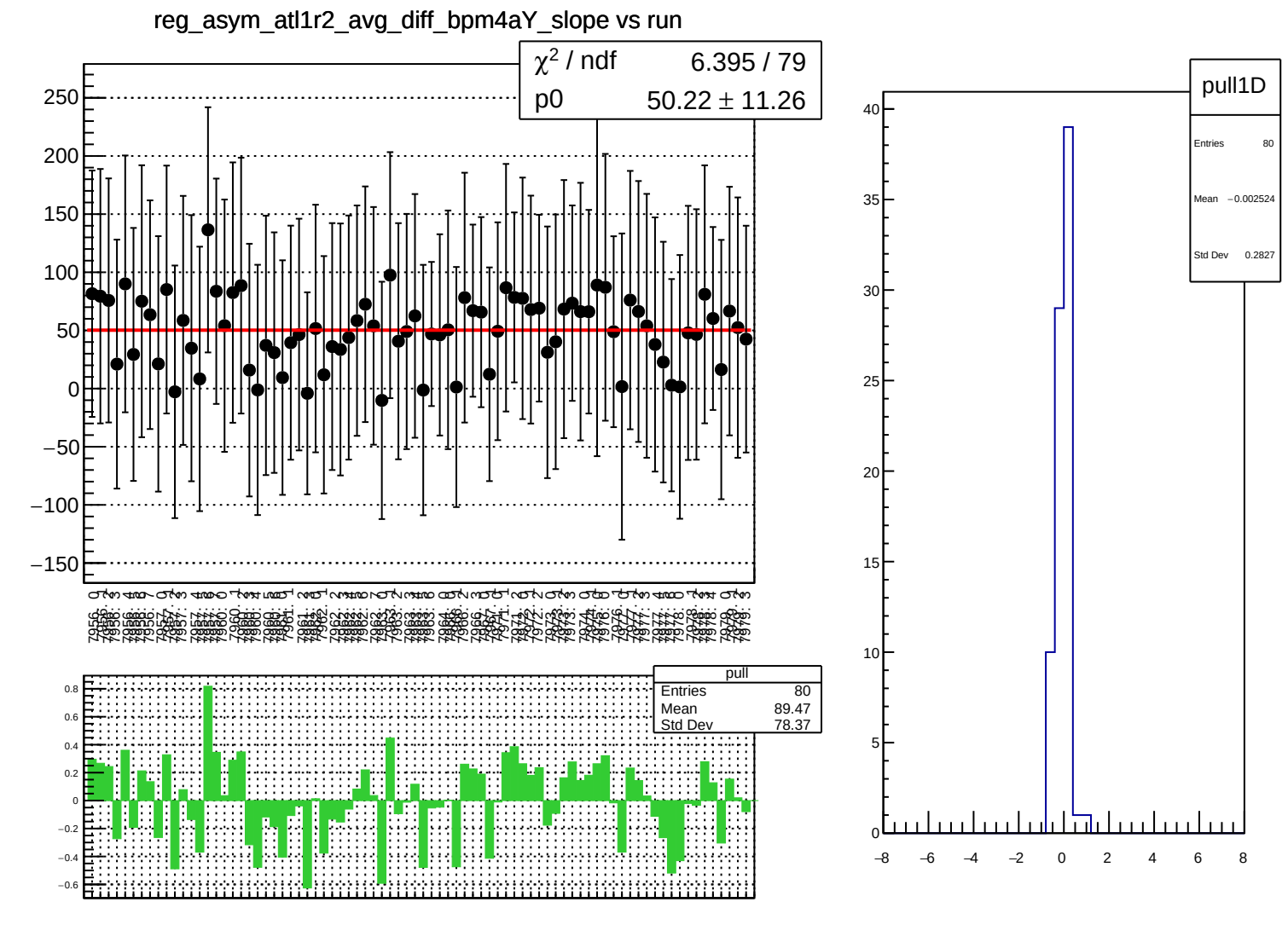

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.72 / 79
p0 −15.85 ± 5.996
pull
Entries 80
Mean 31.51
Std Dev 75.38

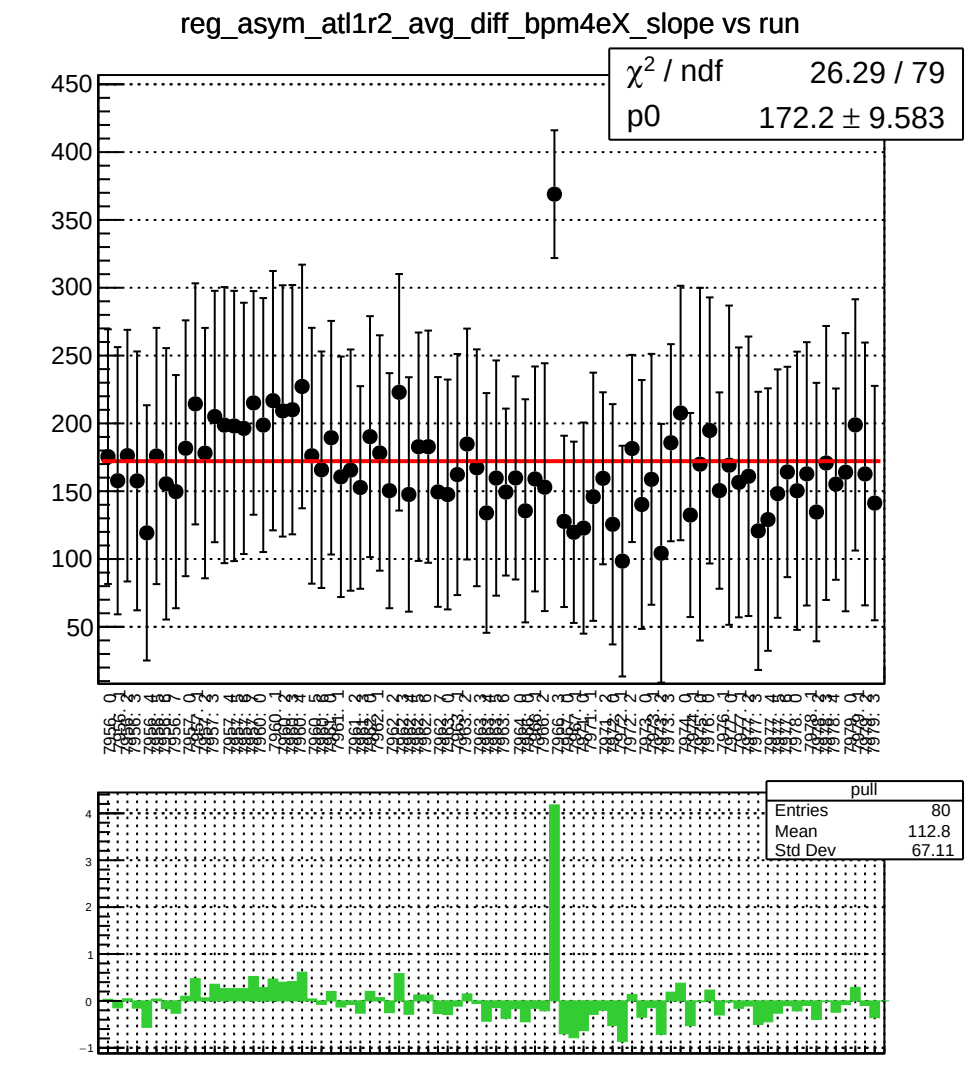

pull1D
Entries 80
Mean −0.002258
Std Dev 0.578

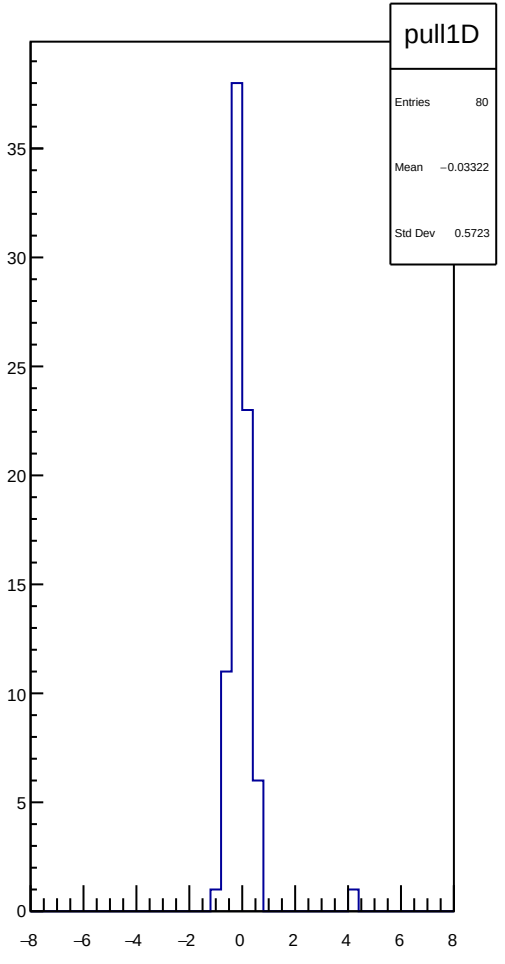

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 122.1 / 79
p0 −21.78 ± 0.1729
pull
Entries 80
Mean −217.1
Std Dev 252.8
pull1D
Entries 80
Mean −0.0663
Std Dev 1.234

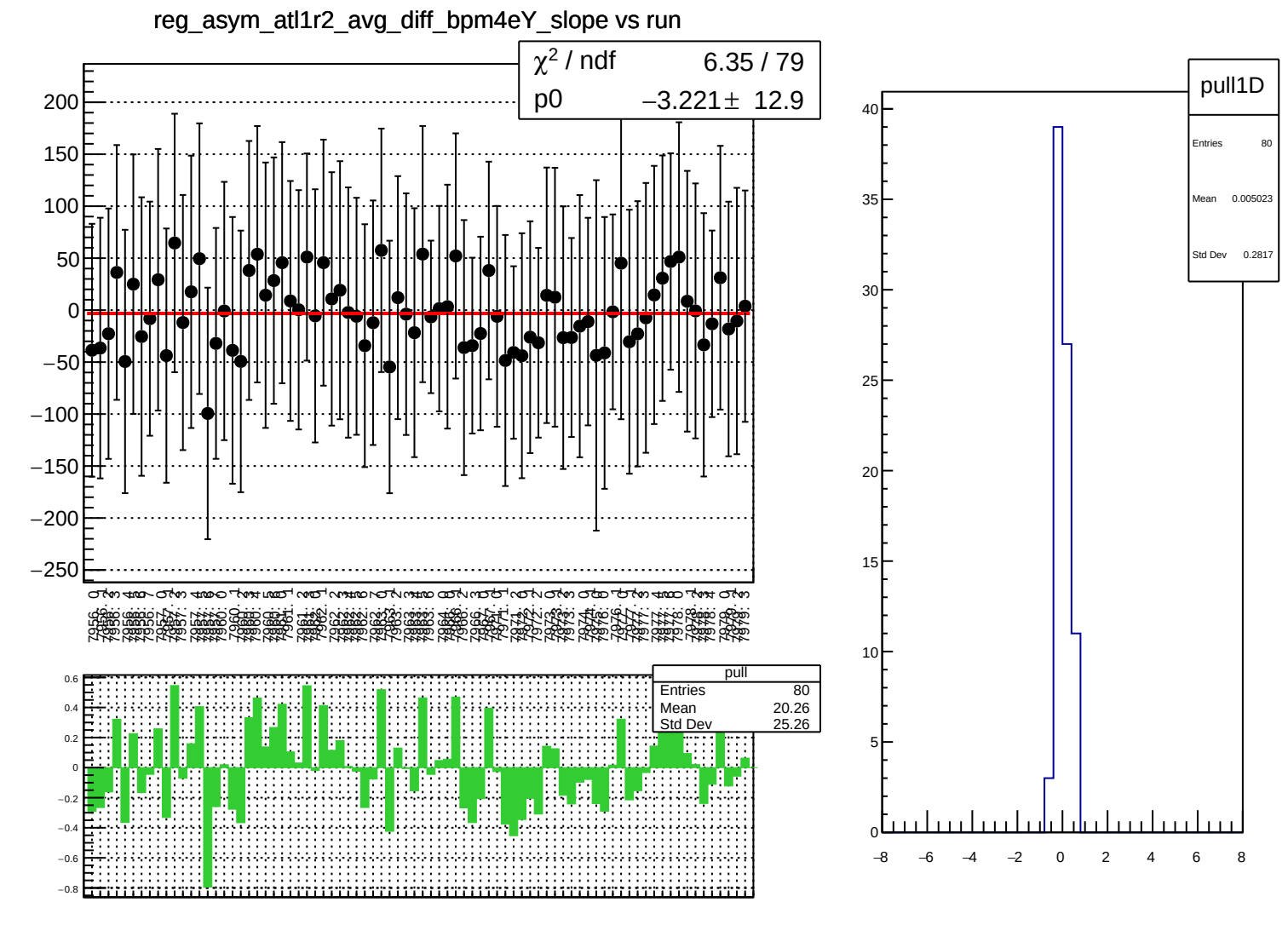

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 27.18 / 79
p0 −113.3 ± 10.82
pull
Entries 80
Mean 103.8
Std Dev 56.69

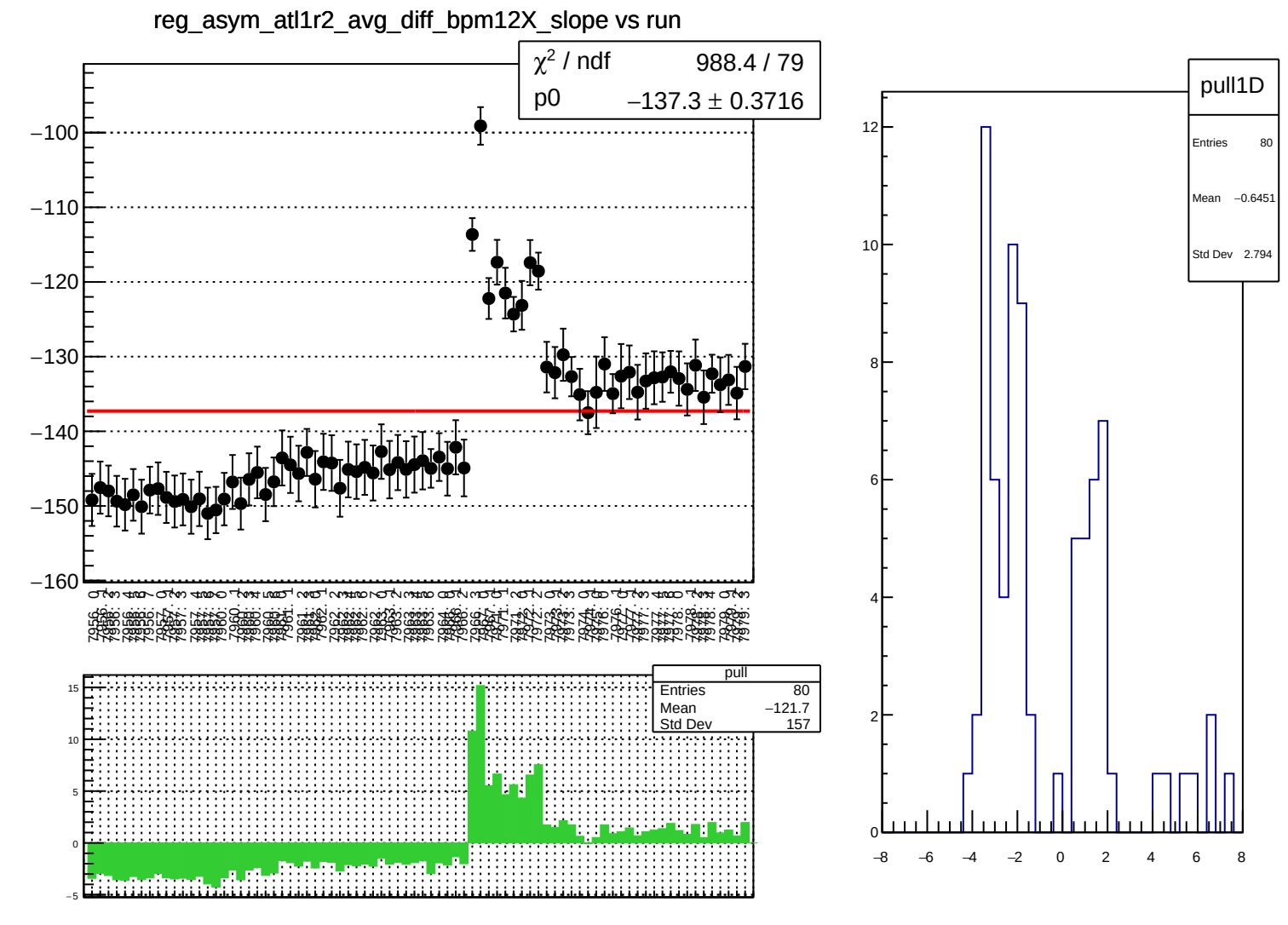

pull1D
Entries 80
Mean 0.03622
Std Dev 0.5817

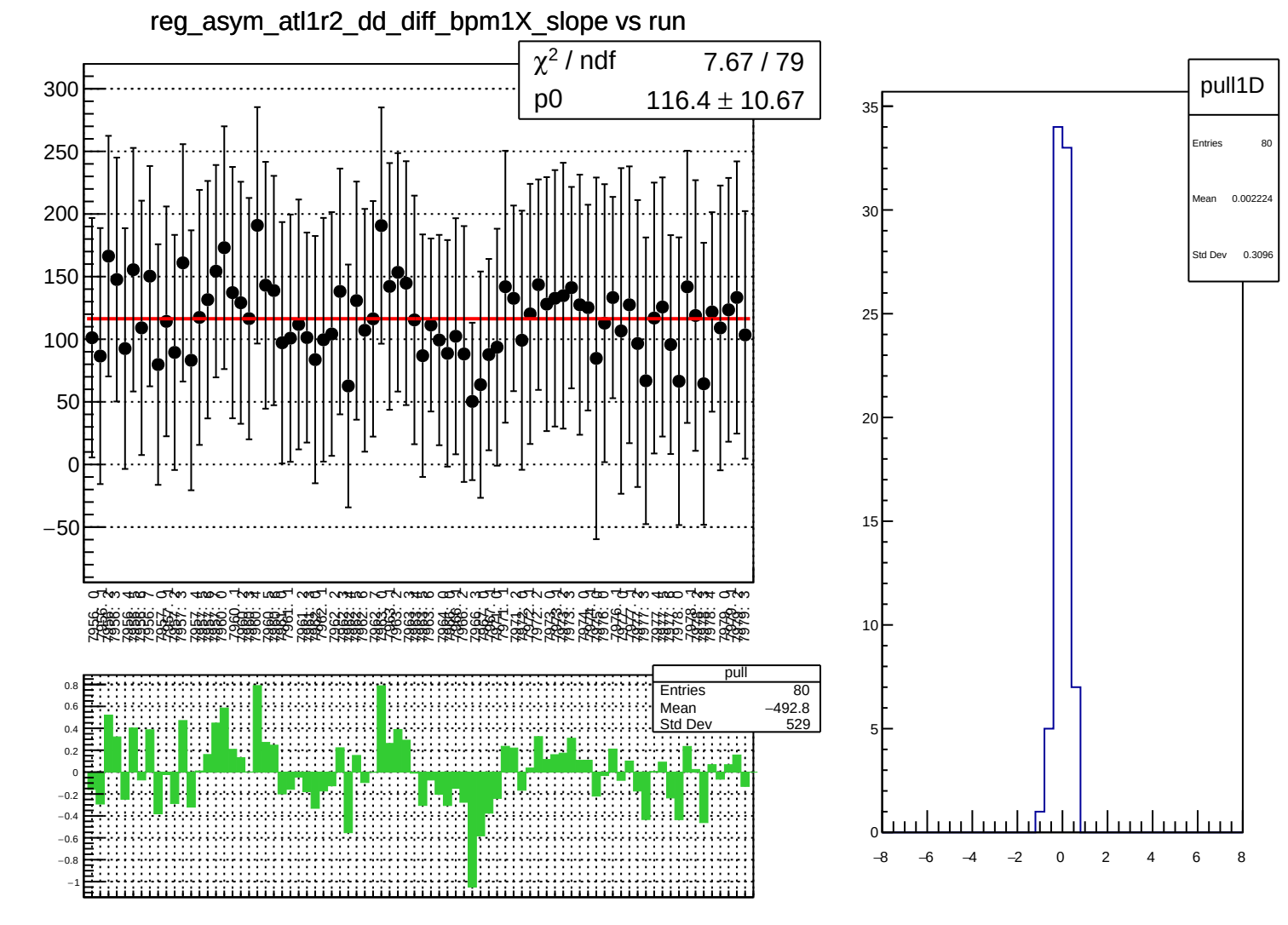

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.395 / 79
p0 50.22 ± 11.26
pull
Entries 80
Mean 89.47
Std Dev 78.37
pull1D
Entries 80
Mean −0.002524
Std Dev 0.2827

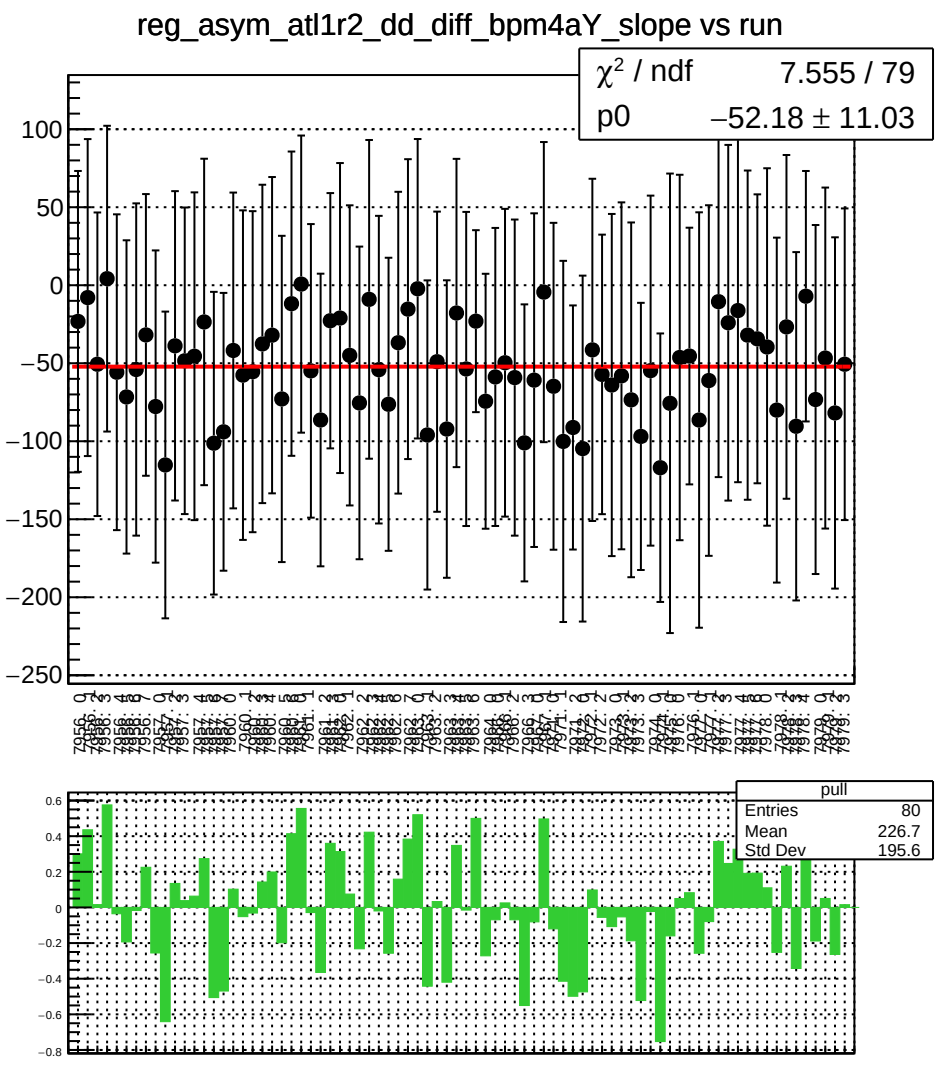

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.29 / 79
p0 172.2 ± 9.583
pull
Entries 80
Mean 112.8
Std Dev 67.11

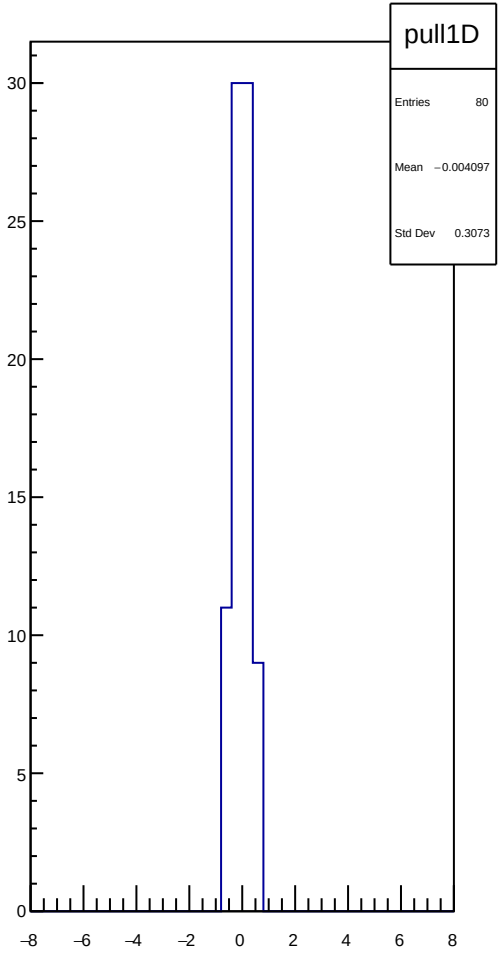

pull1D
Entries 80
Mean −0.03322
Std Dev 0.5723

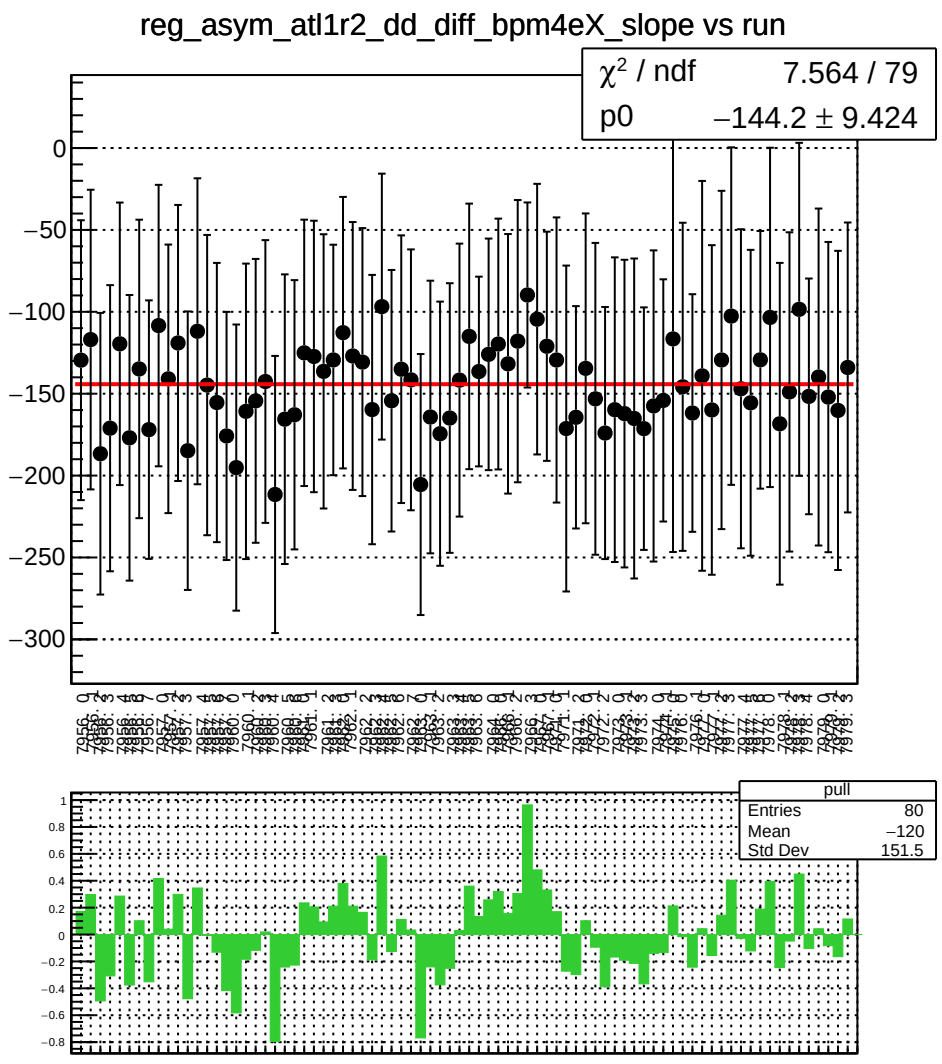

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.35 / 79
p0 −3.221 ± 12.9
pull
Entries 80
Mean 20.26
Std Dev 25.26
pull1D
Entries 80
Mean 0.005023
Std Dev 0.2817

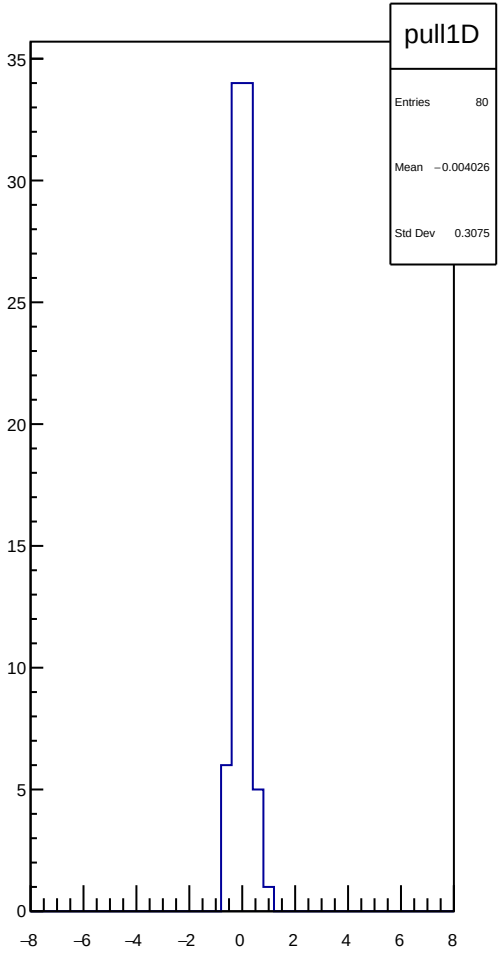

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 988.4 / 79
p0 −137.3 ± 0.3716
pull
Entries 80
Mean −121.7
Std Dev 157
pull1D
Entries 80
Mean −0.6451
Std Dev 2.794

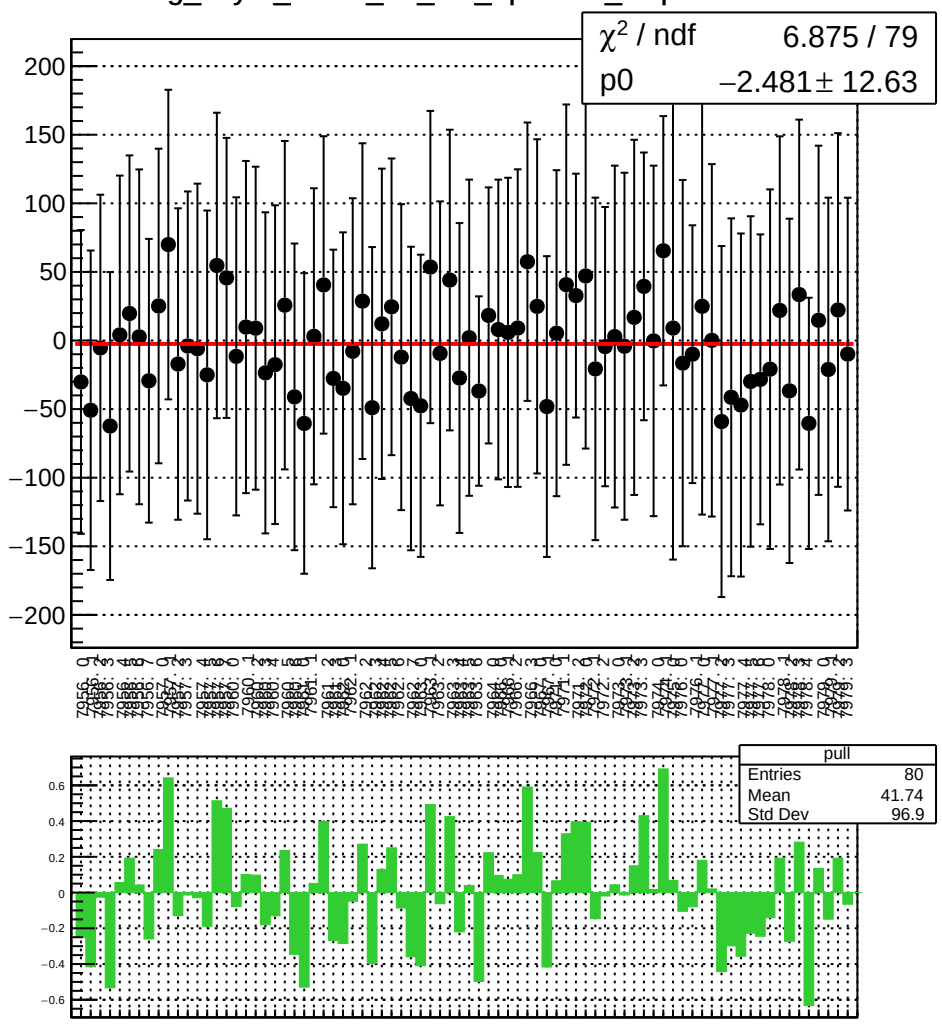

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 7.67 / 79
p0 116.4 ± 10.67
pull
Entries 80
Mean −492.8
Std Dev 529
pull1D
Entries 80
Mean 0.002224
Std Dev 0.3096

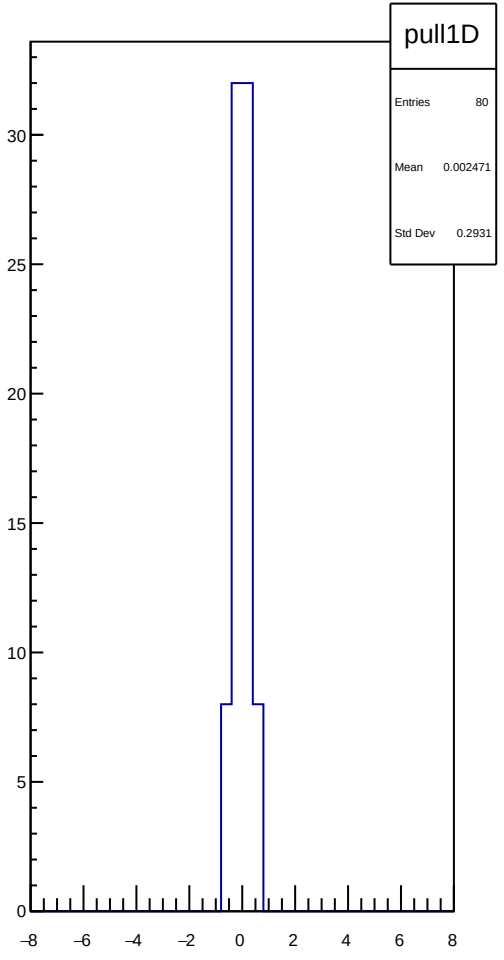

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.555 / 79
p0 −52.18 ± 11.03
pull
Entries 80
Mean 226.7
Std Dev 195.6

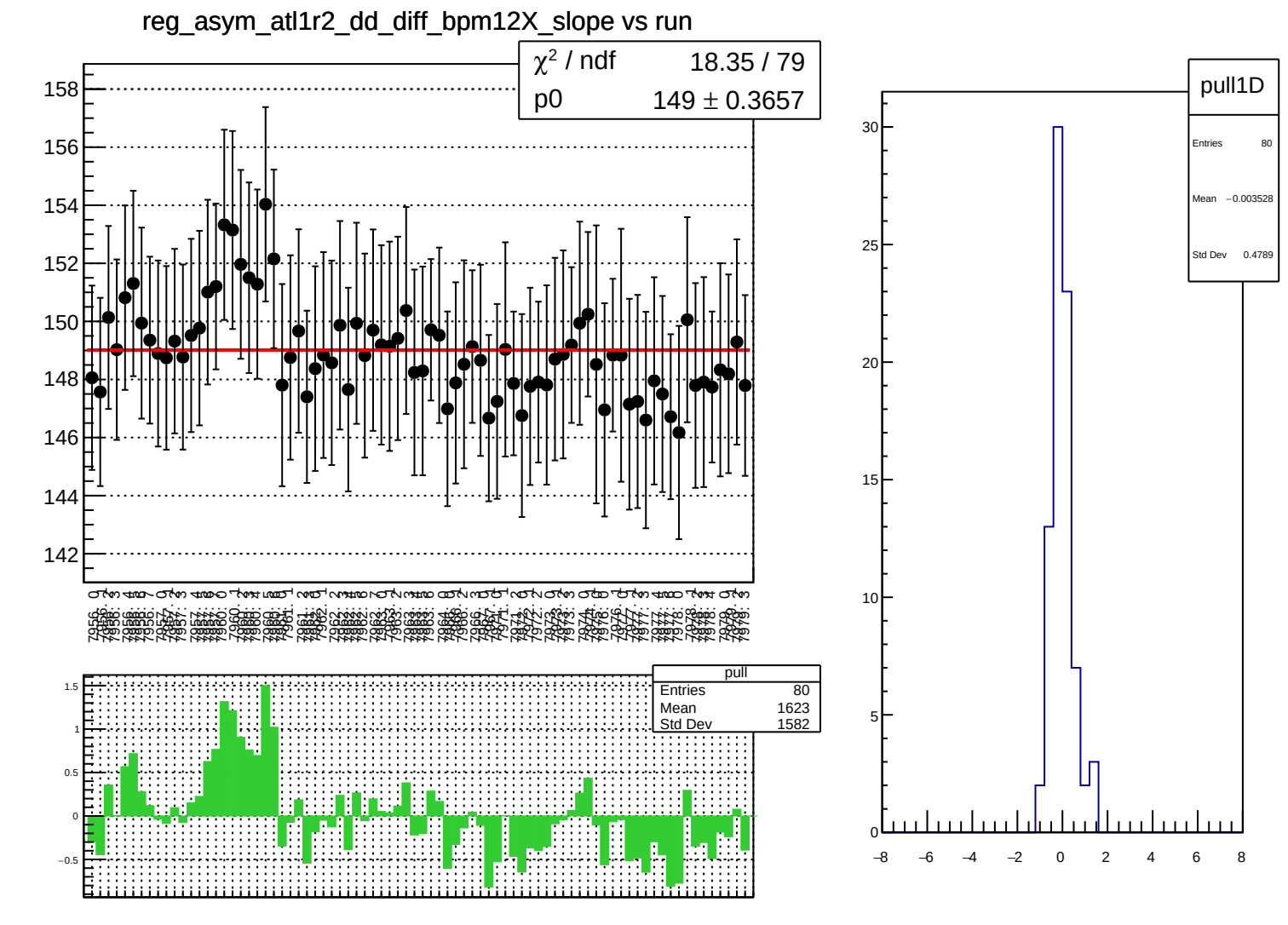

pull1D
Entries 80
Mean −0.004097
Std Dev 0.3073

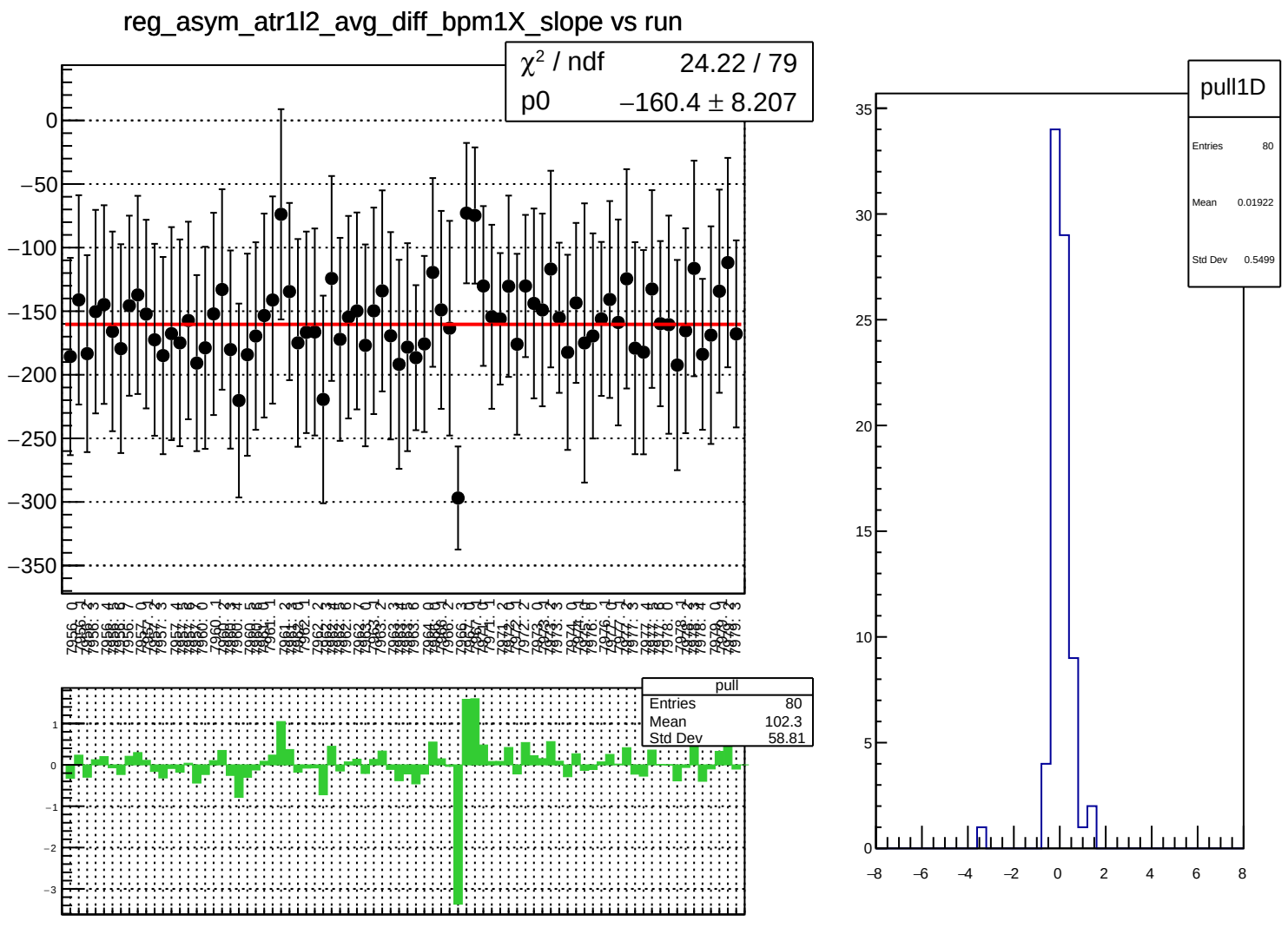

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.564 / 79
p0 −144.2 ± 9.424
pull
Entries 80
Mean −120
Std Dev 151.5

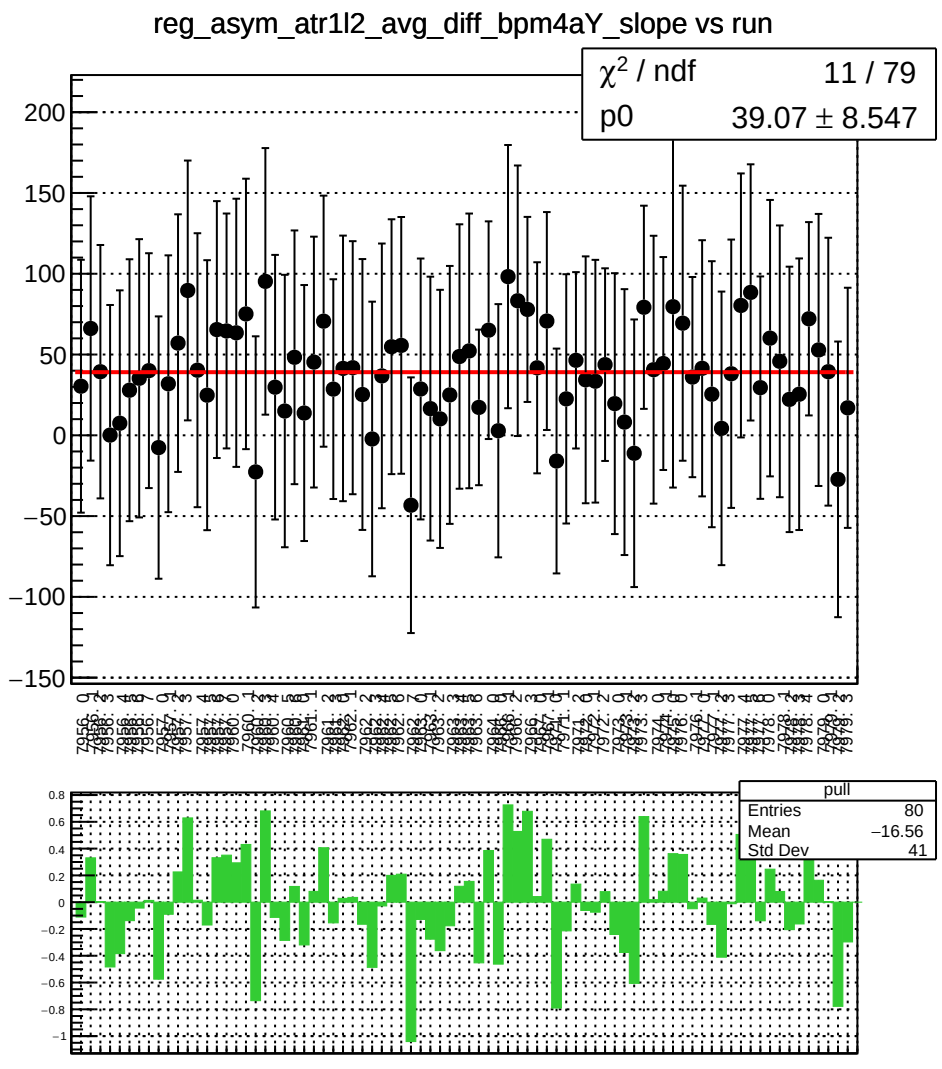

pull1D
Entries 80
Mean −0.004026
Std Dev 0.3075

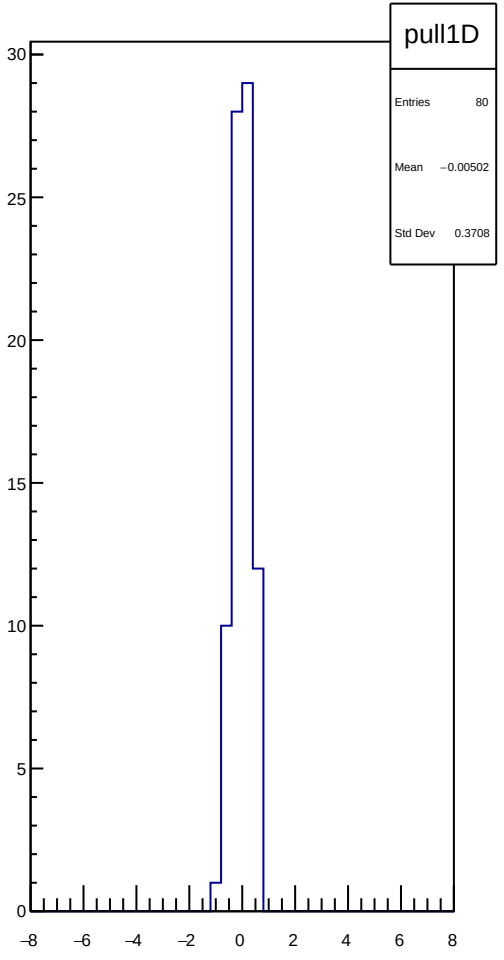

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.875 / 79
p0 −2.481 ± 12.63
pull
Entries 80
Mean 41.74
Std Dev 96.9

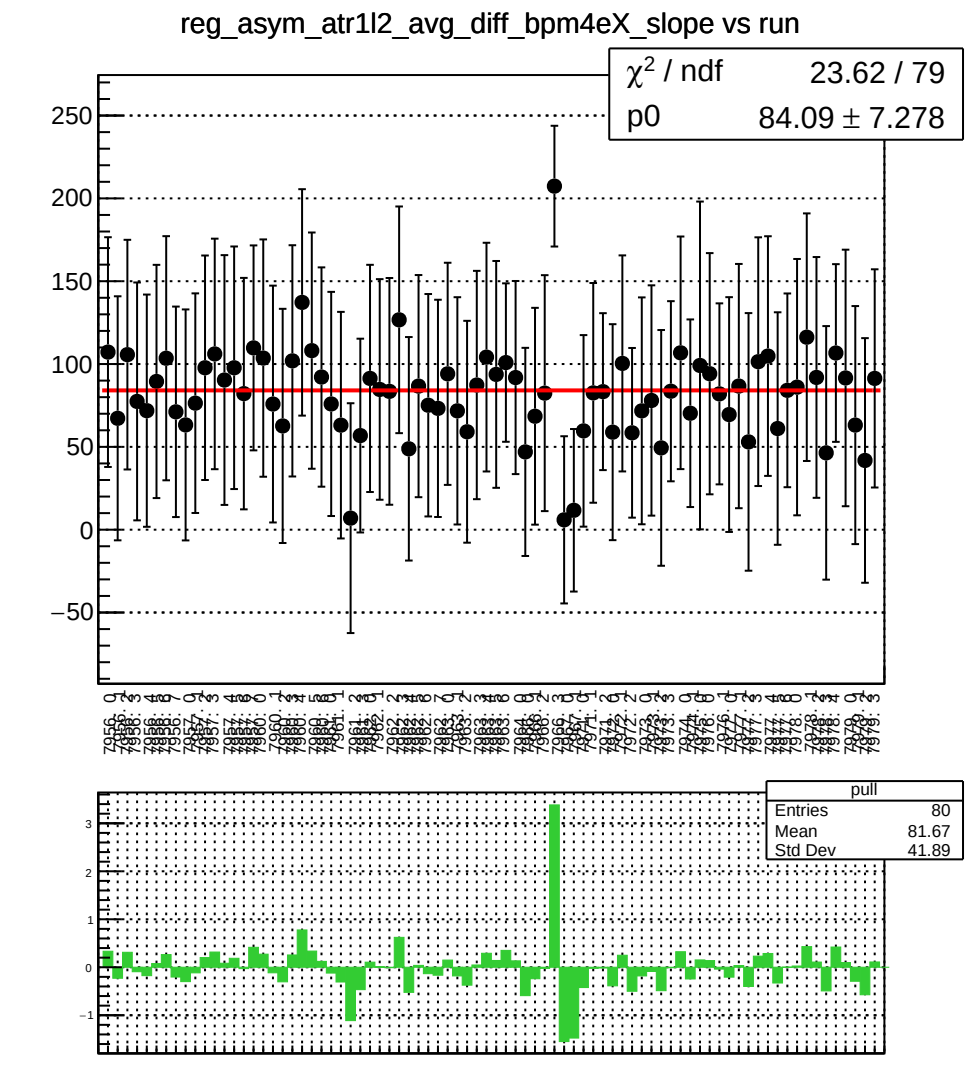

pull1D
Entries 80
Mean 0.002471
Std Dev 0.2931

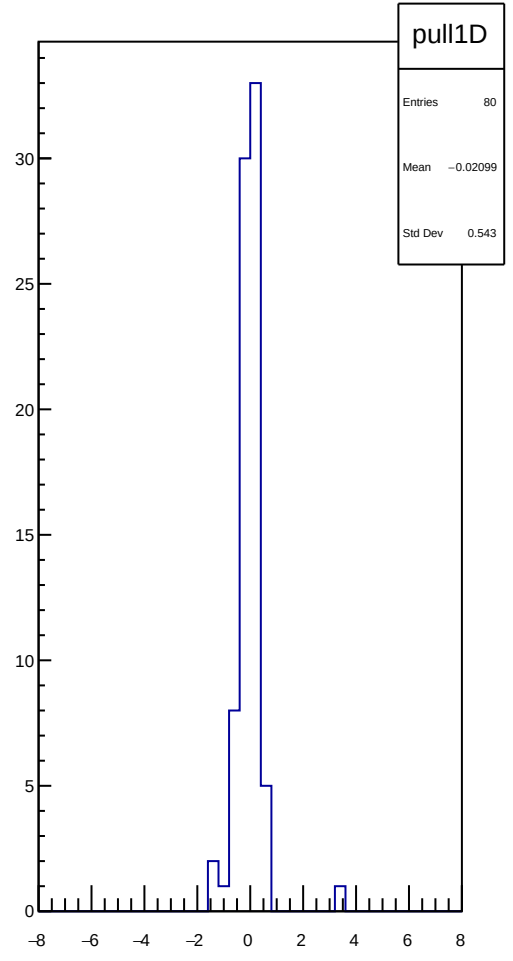

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 18.35 / 79
p0 149 ± 0.3657
158
156
154
152
150
148
146
144
142
pull
Entries 80
Mean 1623
Std Dev 1582
1.5
1
0.5
0
−0.5
pull1D
Entries 80
Mean −0.003528
Std Dev 0.4789
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

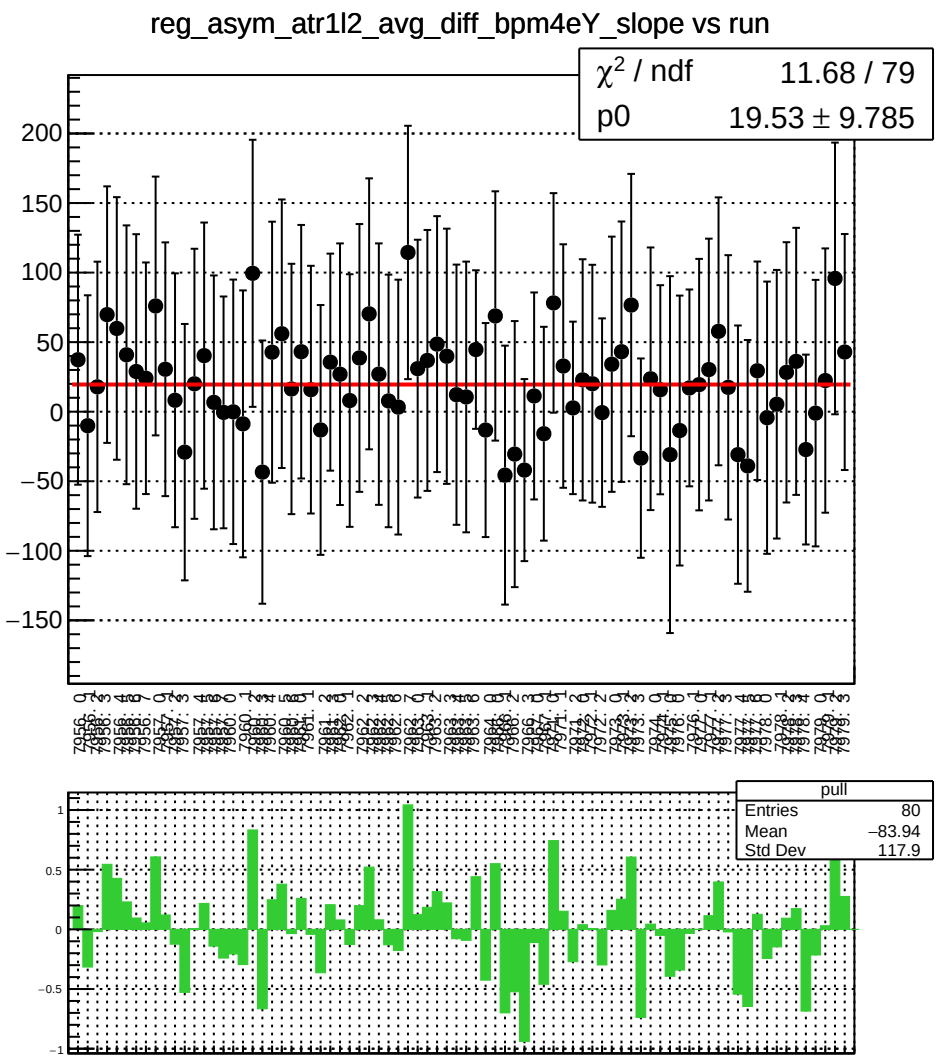

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 24.22 / 79
p0 −160.4 ± 8.207
pull
Entries 80
Mean 102.3
Std Dev 58.81
pull1D
Entries 80
Mean 0.01922
Std Dev 0.5499

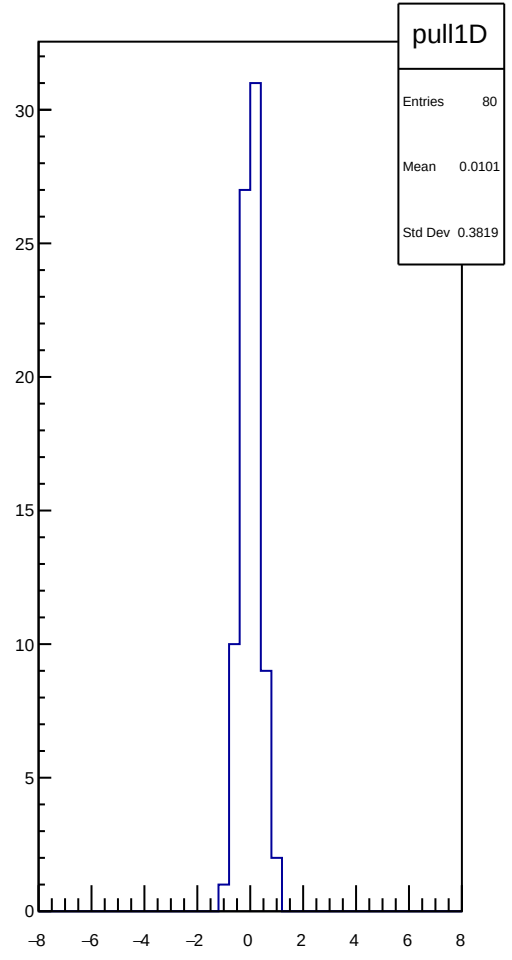

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11 / 79
p0 39.07 ± 8.547
pull
Entries 80
Mean −16.56
Std Dev 41

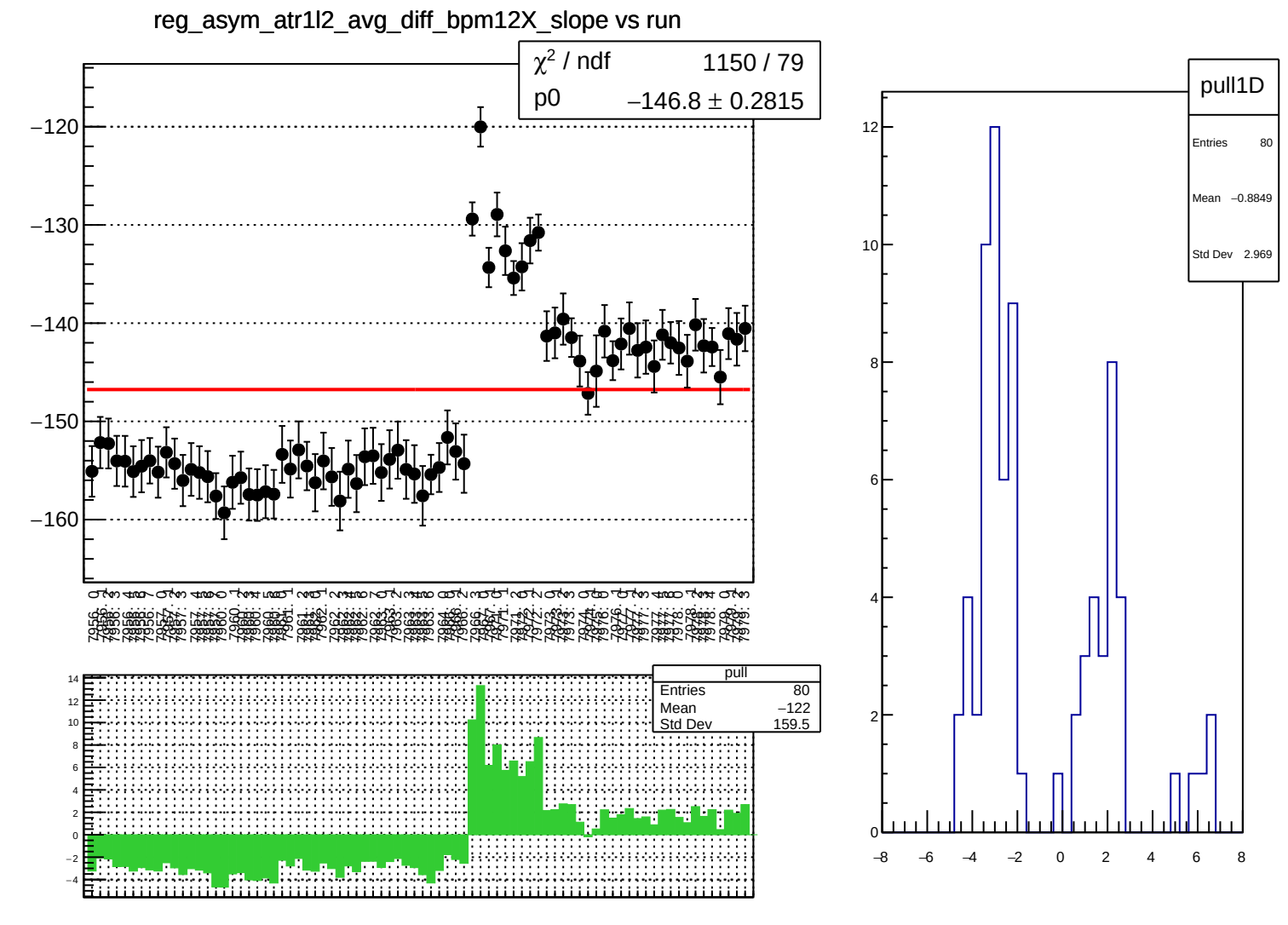

pull1D
Entries 80
Mean −0.00502
Std Dev 0.3708

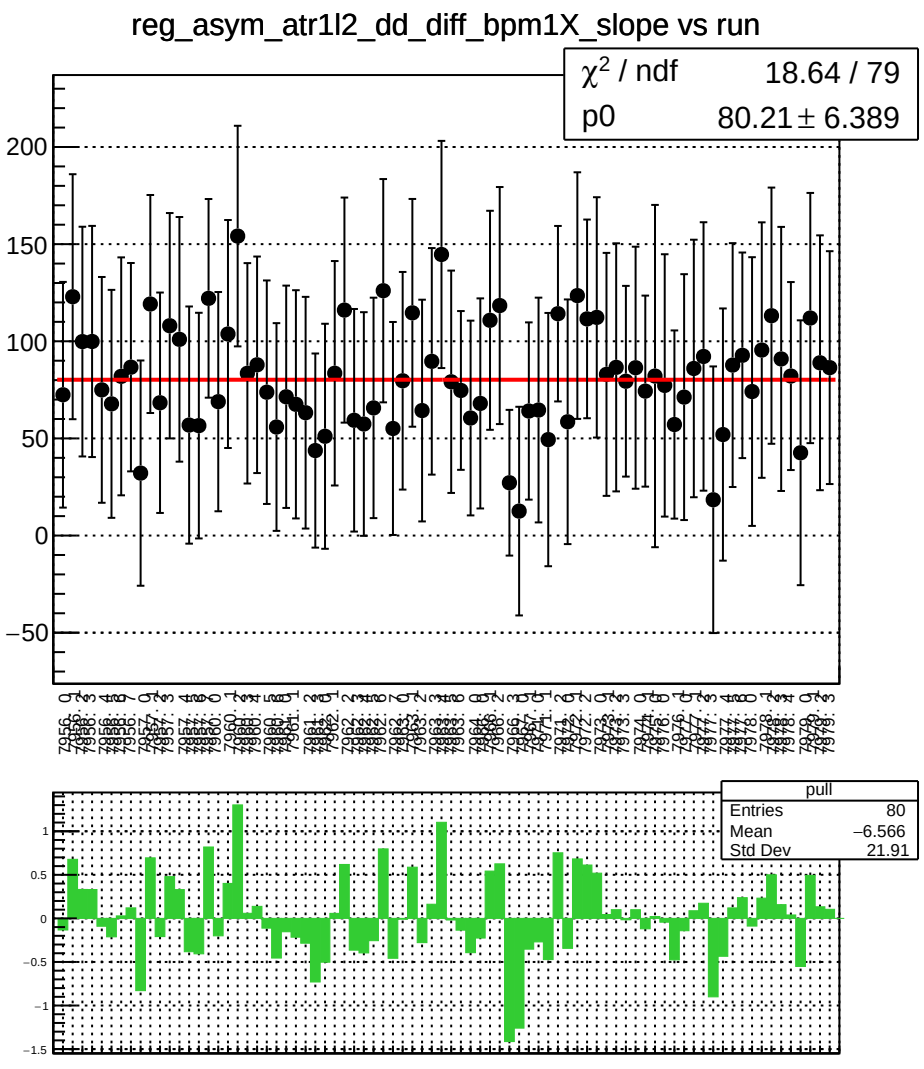

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.62 / 79
p0 84.09 ± 7.278
pull
Entries 80
Mean 81.67
Std Dev 41.89

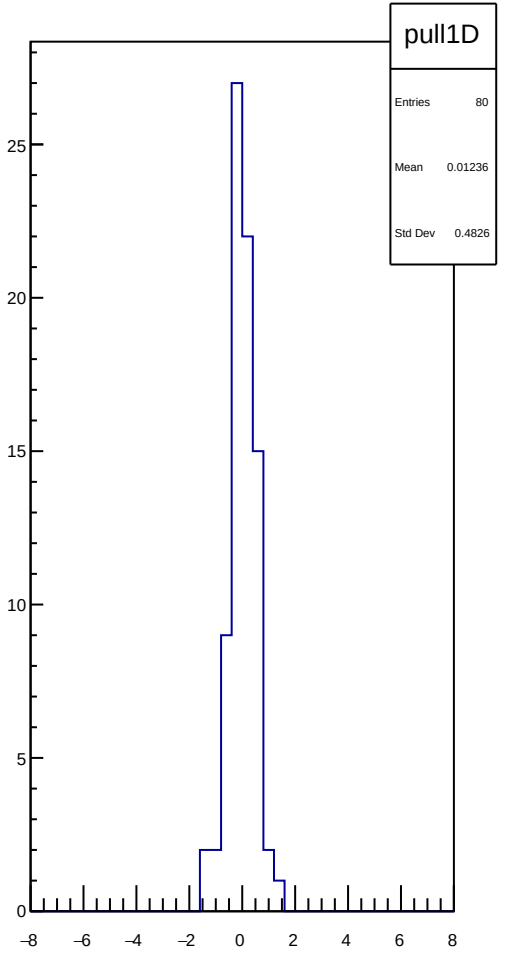

pull1D
Entries 80
Mean −0.02099
Std Dev 0.543

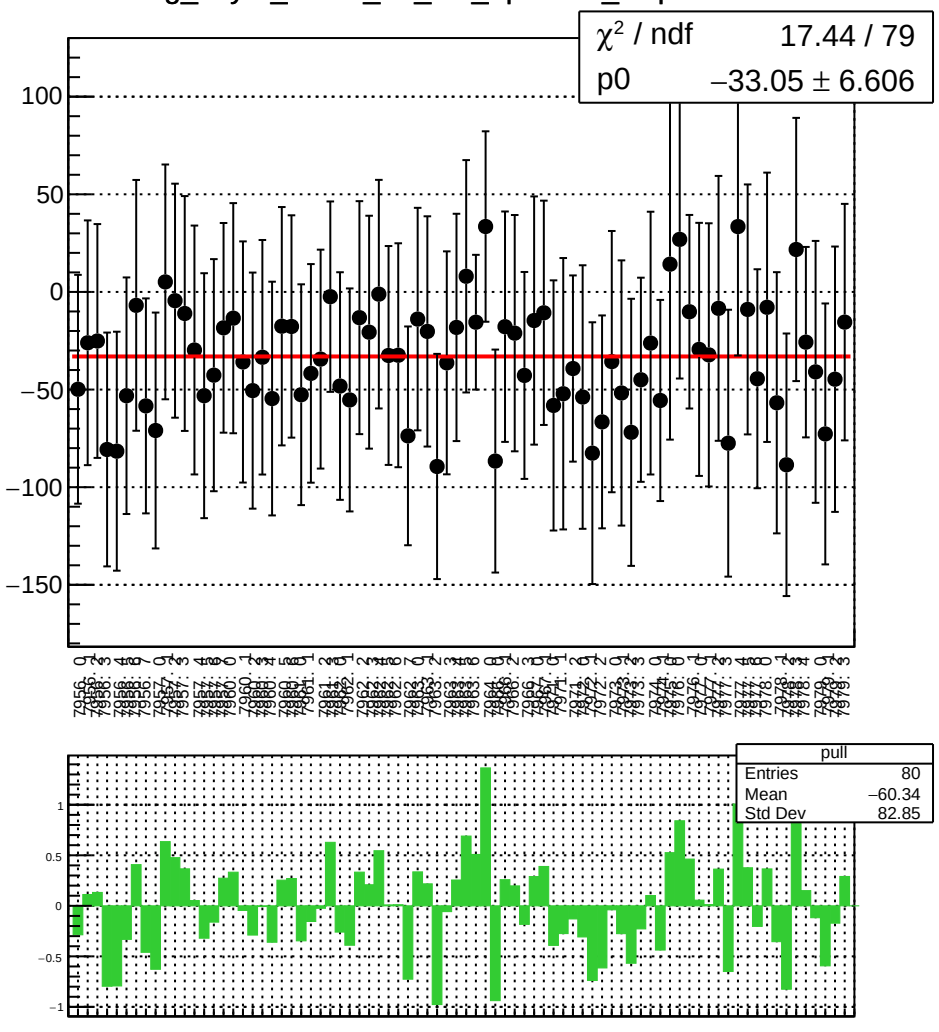

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.68 / 79
p0 19.53 ± 9.785
pull
Entries 80
Mean −83.94
Std Dev 117.9

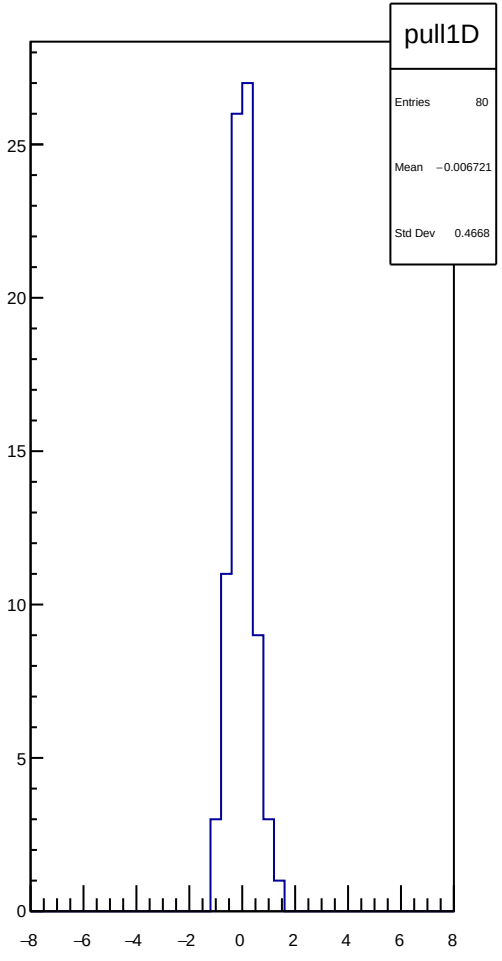

pull1D
Entries 80
Mean 0.0101
Std Dev 0.3819

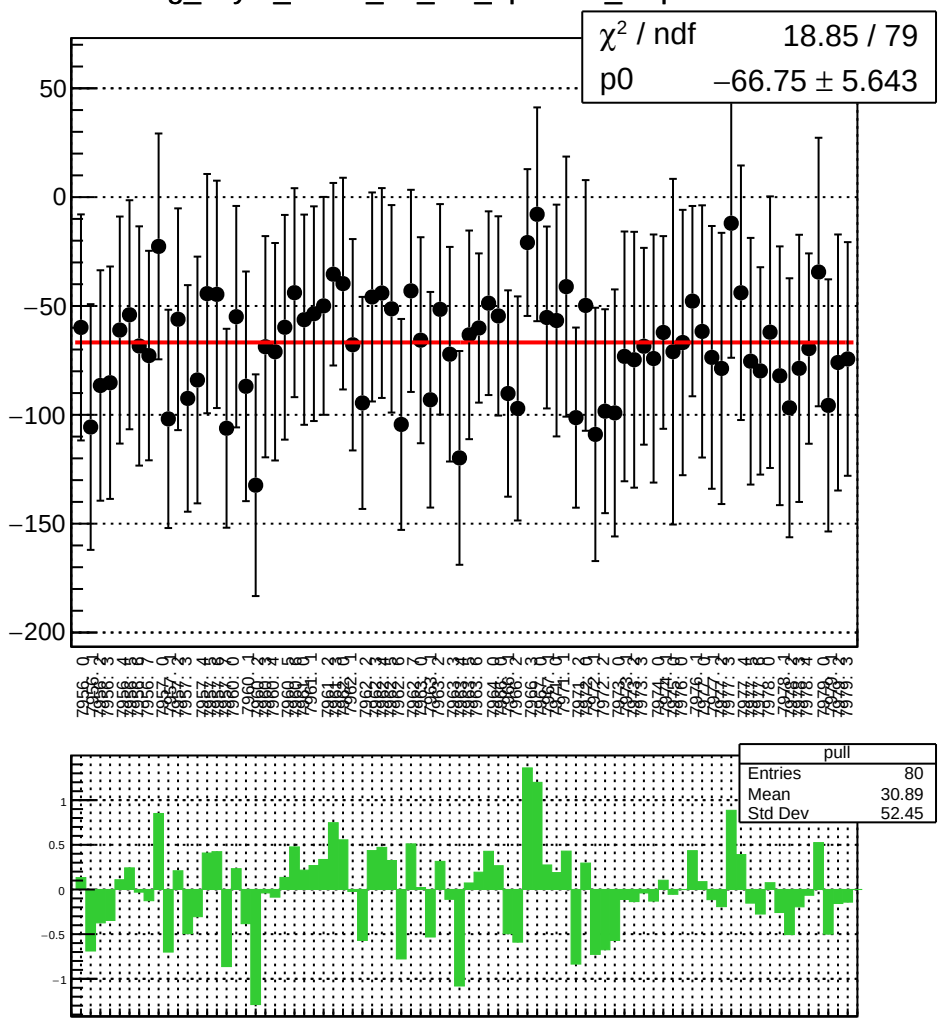

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1150 / 79
p0 −146.8 ± 0.2815
pull
Entries 80
Mean −122
Std Dev 159.5
pull1D
Entries 80
Mean −0.8849
Std Dev 2.969

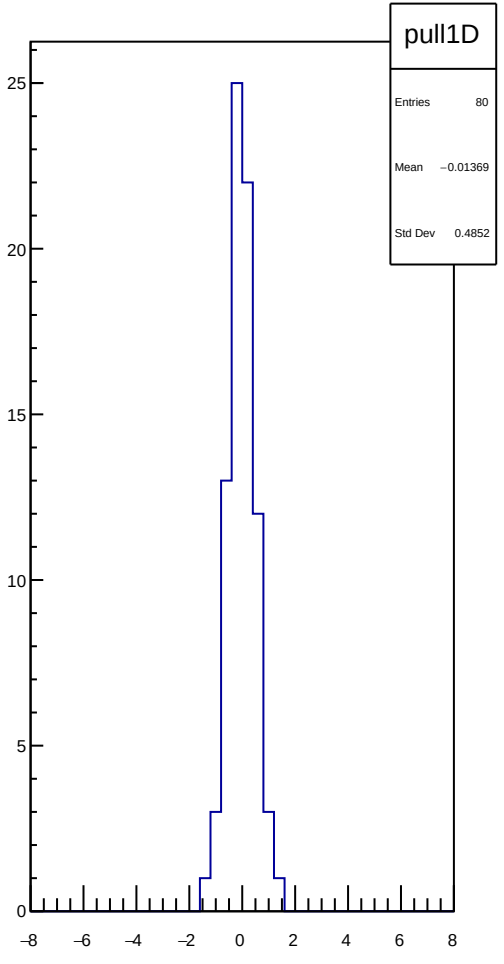

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.64 / 79
p0 80.21 ± 6.389
pull
Entries 80
Mean −6.566
Std Dev 21.91

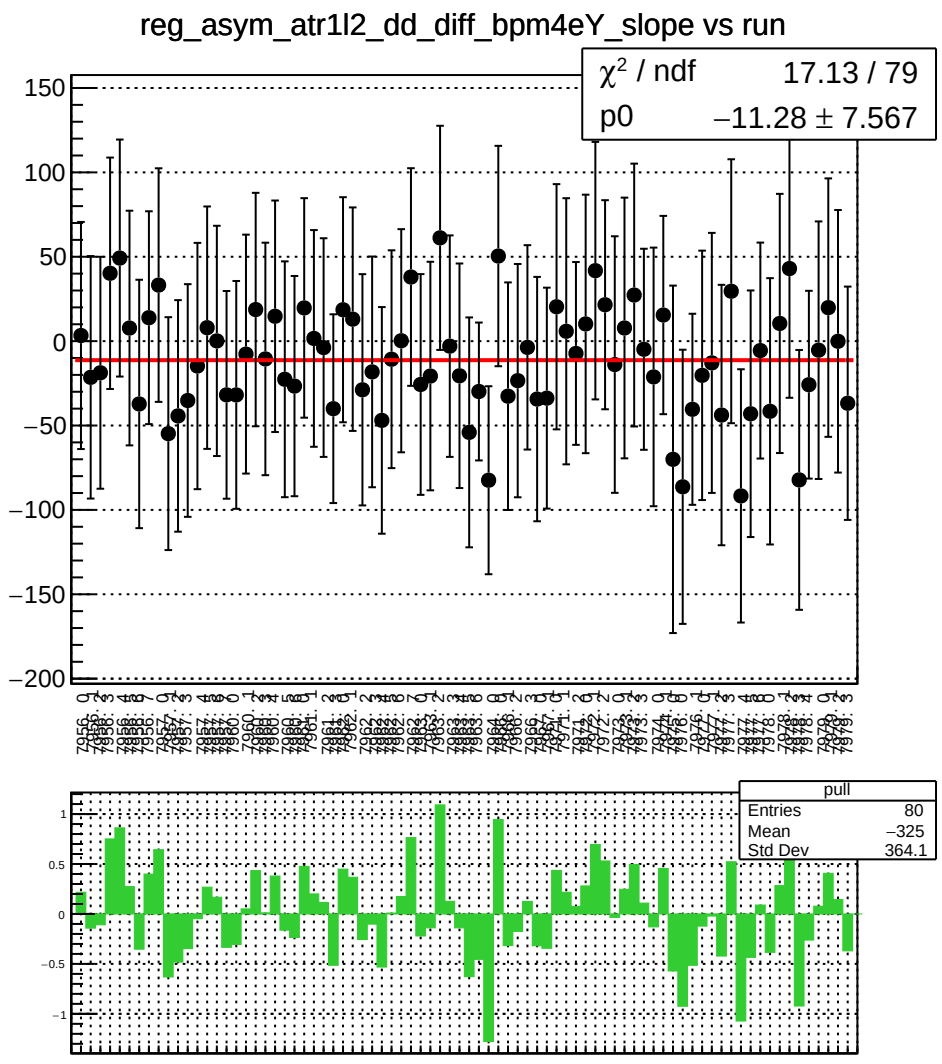

pull1D
Entries 80
Mean 0.01236
Std Dev 0.4826

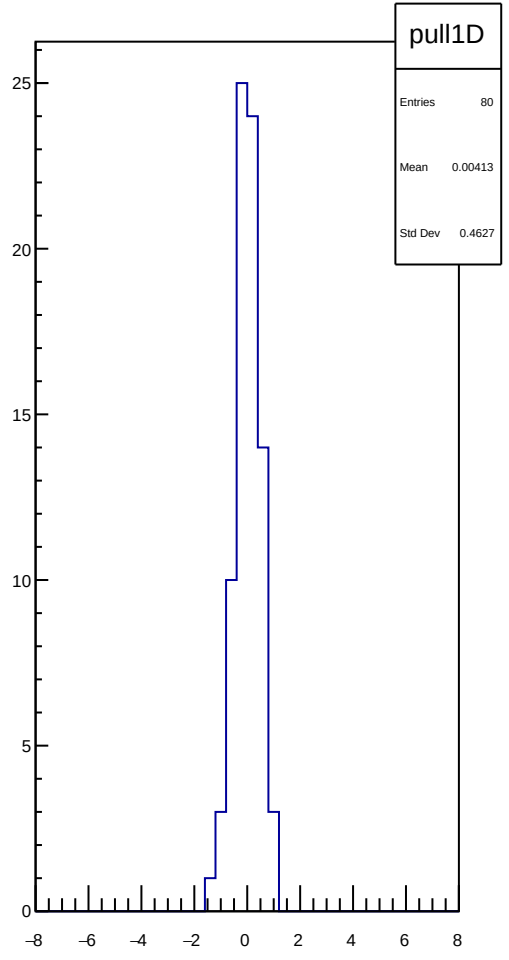

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.44 / 79
p0 −33.05 ± 6.606
pull
Entries 80
Mean −60.34
Std Dev 82.85

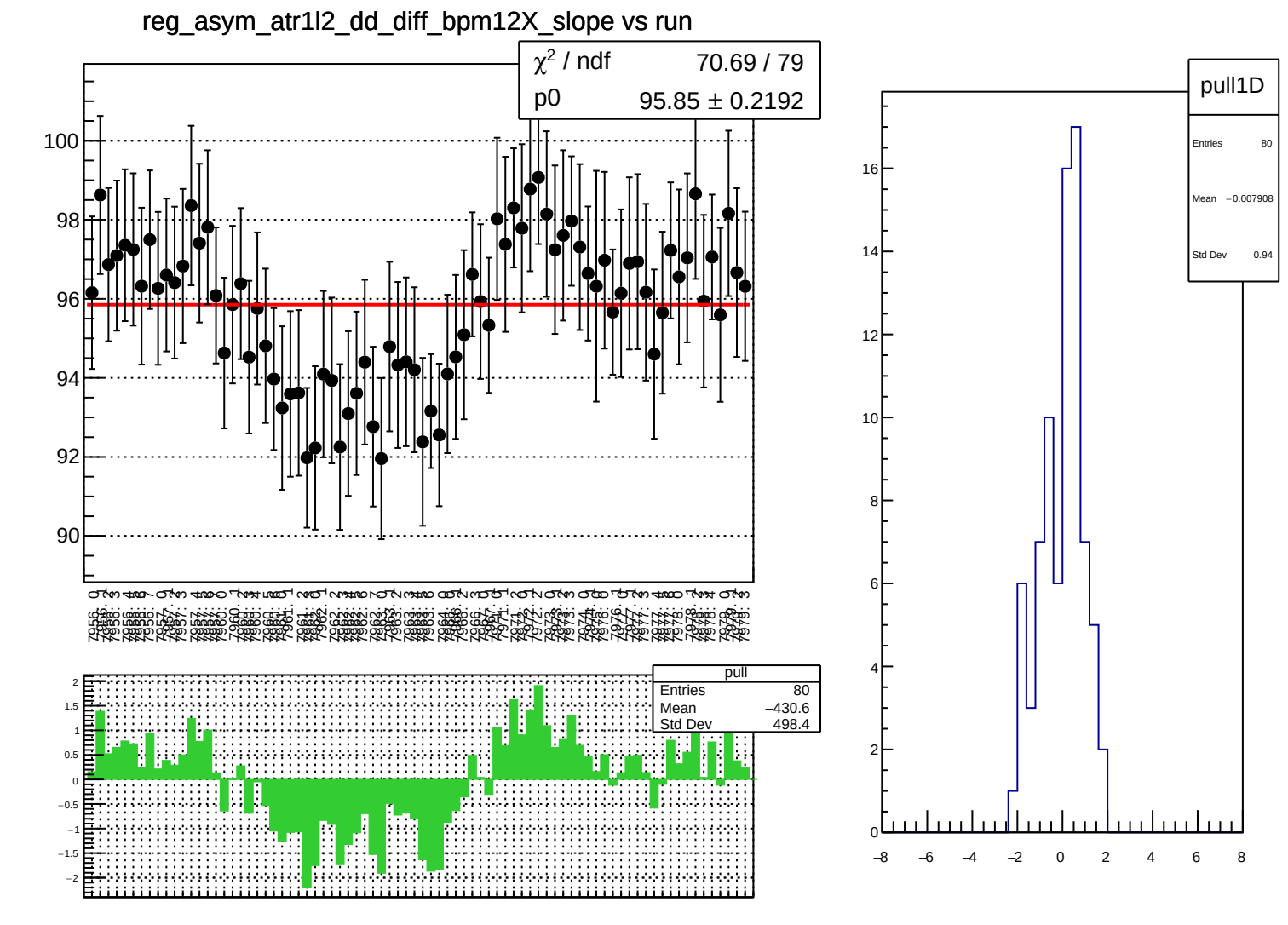

pull1D
Entries 80
Mean −0.006721
Std Dev 0.4668

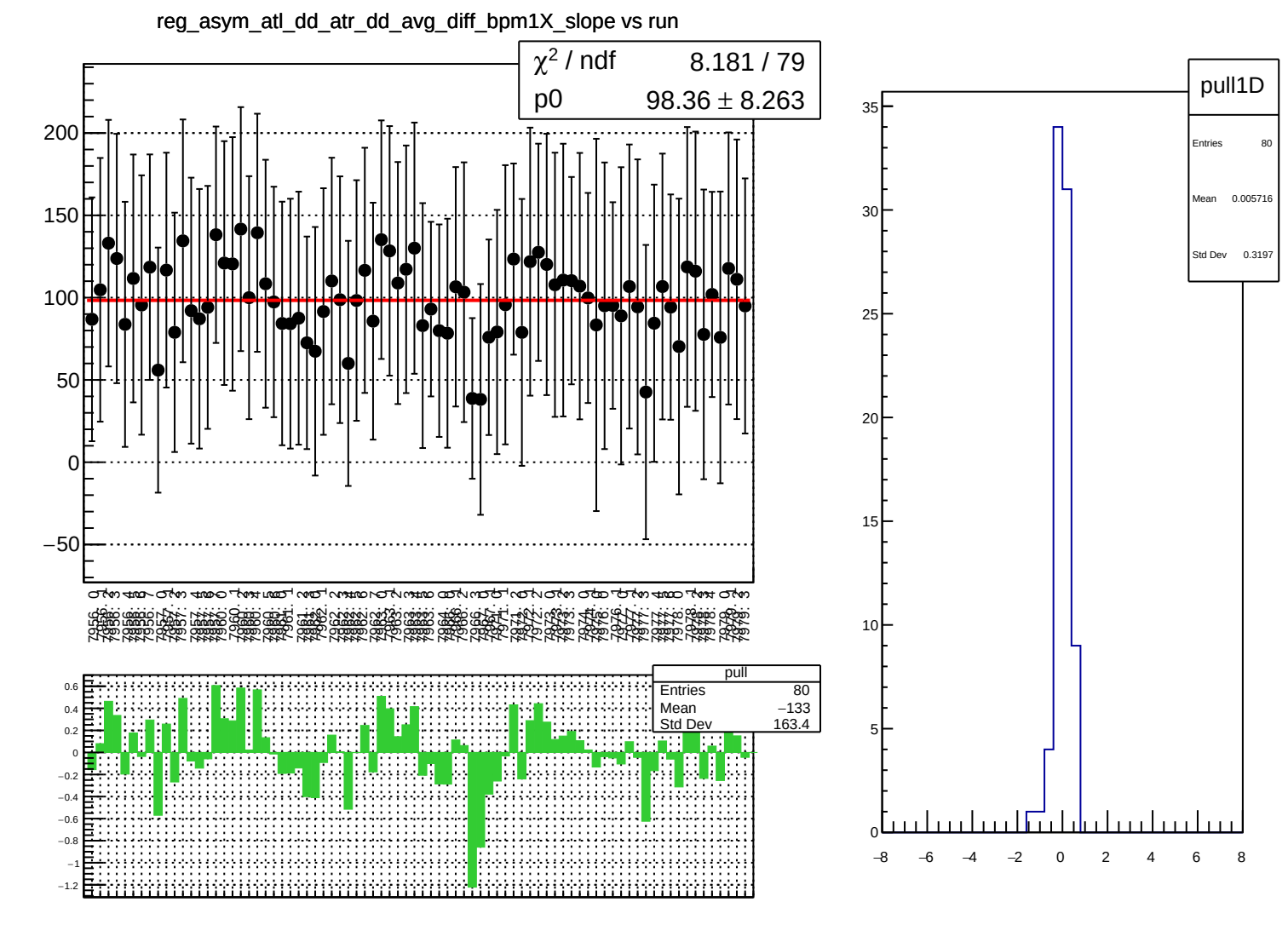

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.85 / 79
p0 −66.75 ± 5.643
pull
Entries 80
Mean 30.89
Std Dev 52.45

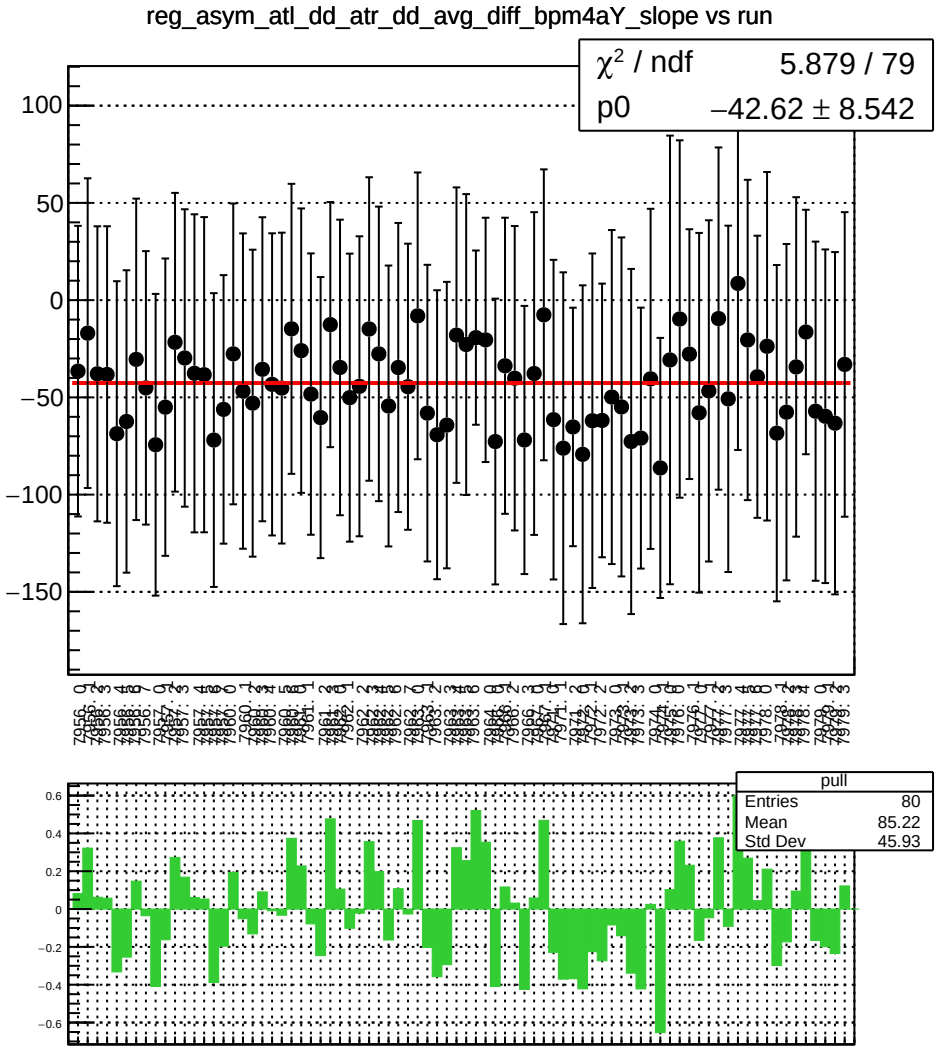

pull1D
Entries 80
Mean −0.01369
Std Dev 0.4852

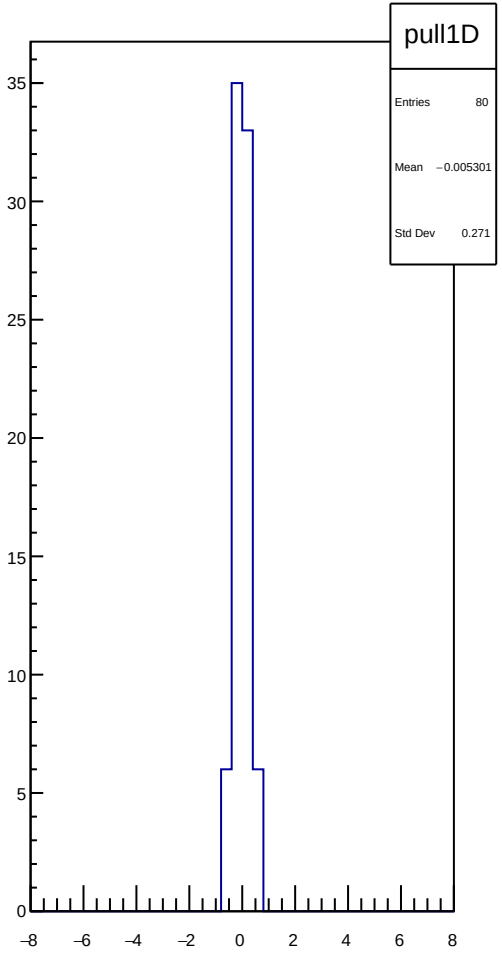

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.13 / 79
p0 −11.28 ± 7.567
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −325
Std Dev 364.1
1
0.5
0
−0.5
−1

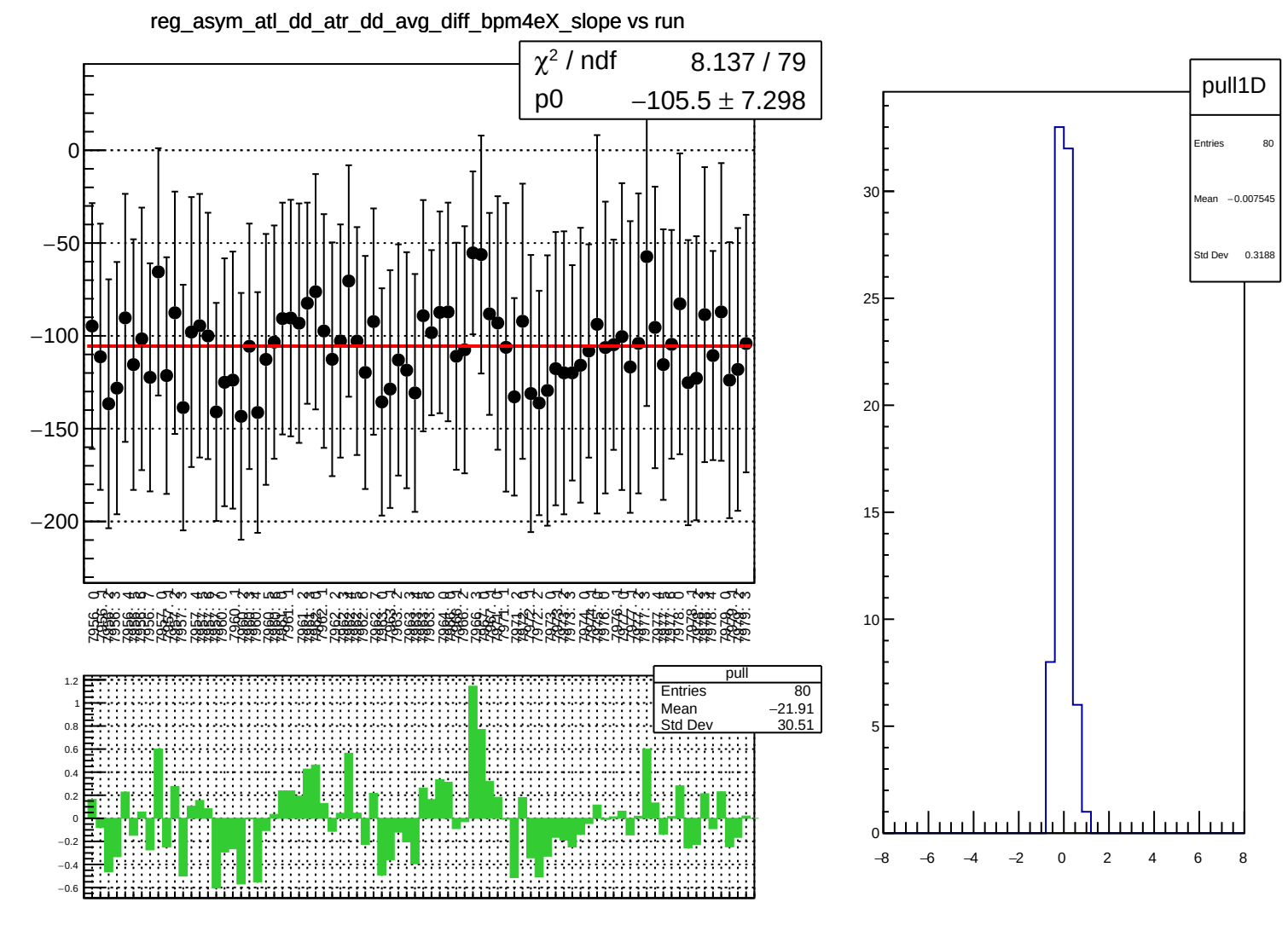

pull1D
Entries 80
Mean 0.00413
Std Dev 0.4627
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

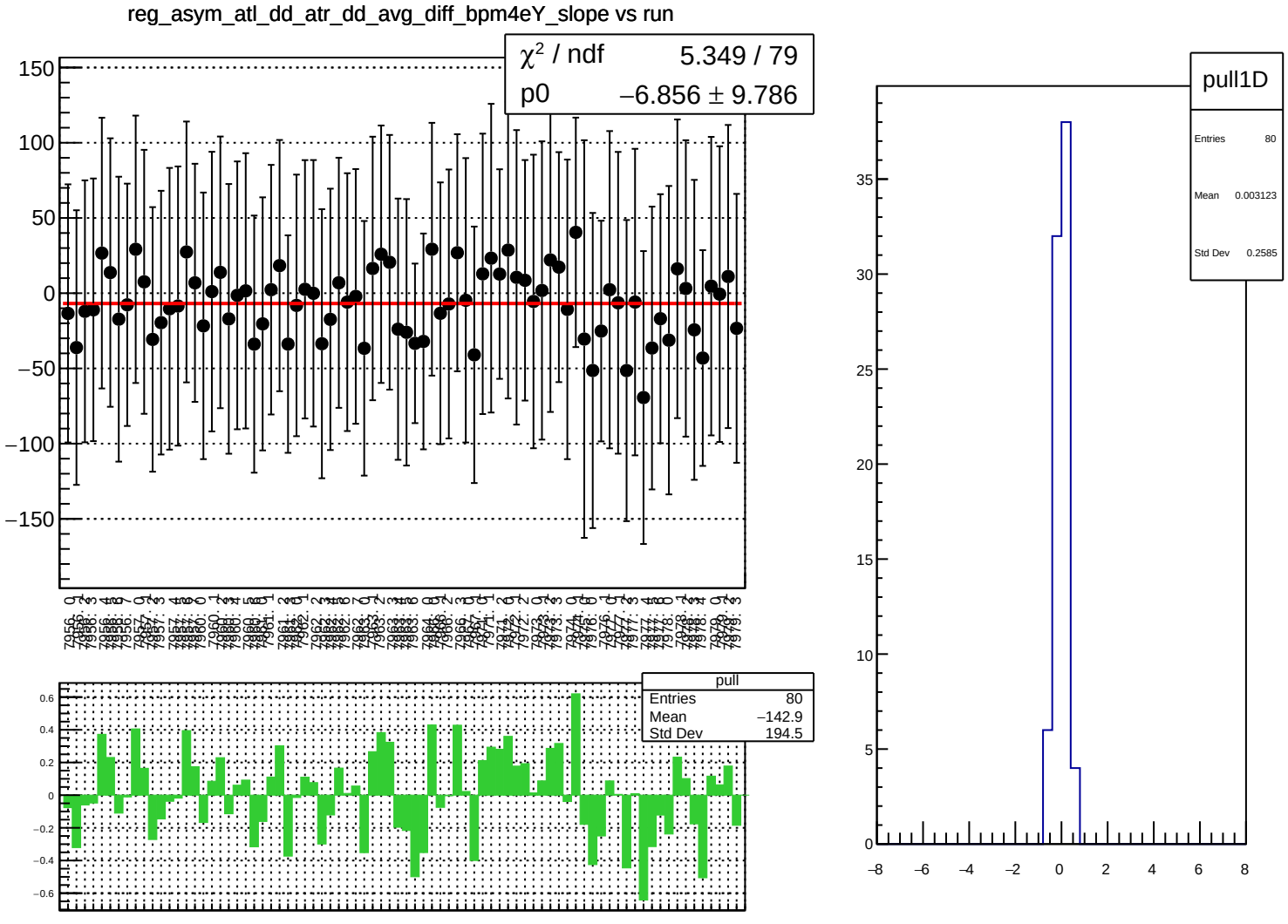

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 70.69 / 79
p0 95.85 ± 0.2192
pull
Entries 80
Mean −430.6
Std Dev 498.4
pull1D
Entries 80
Mean −0.007908
Std Dev 0.94

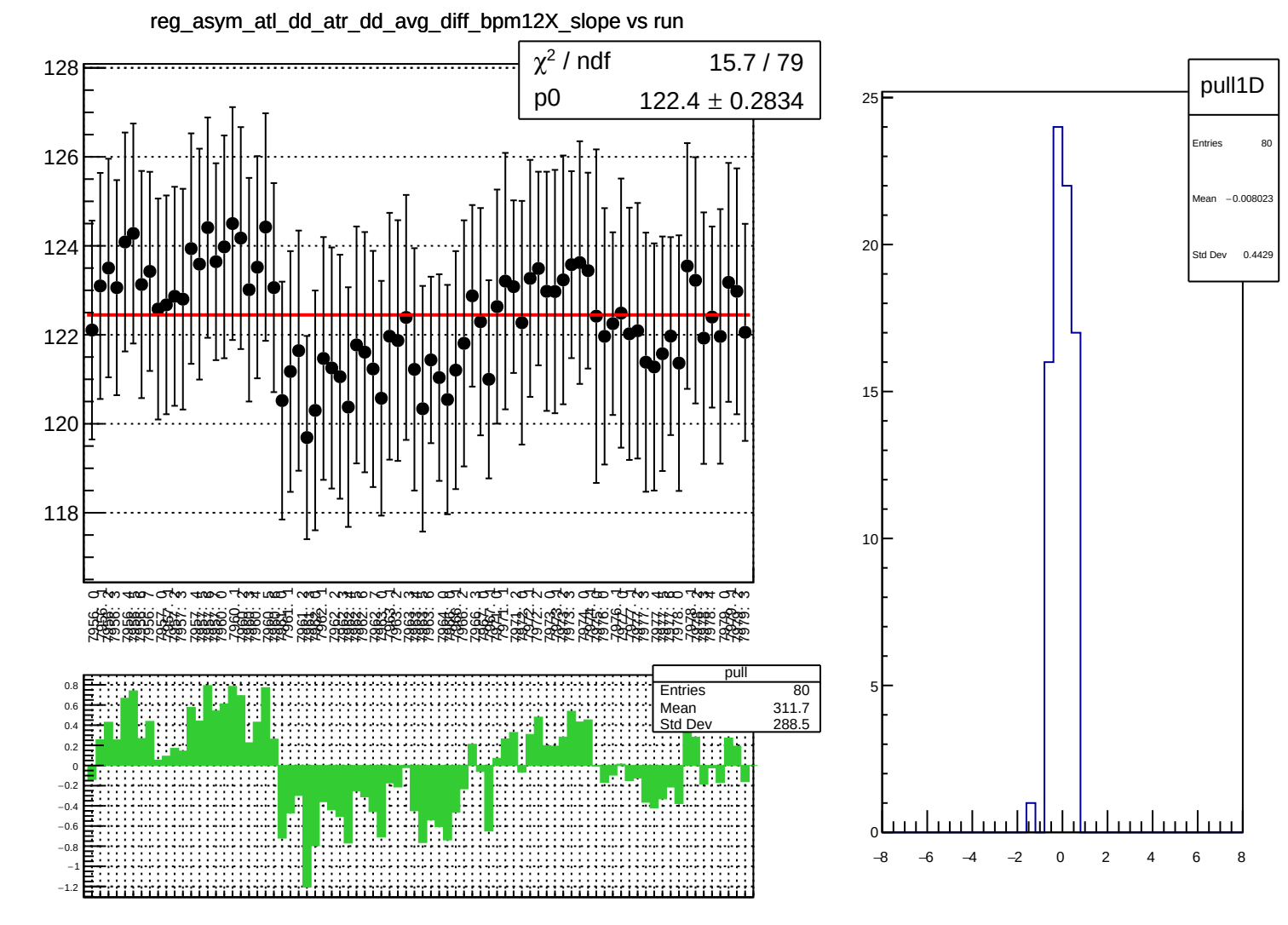

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 8.181 / 79
p0 98.36 ± 8.263
200
150
100
50
0
−50
pull
Entries 80
Mean −133
Std Dev 163.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 80
Mean 0.005716
Std Dev 0.3197
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

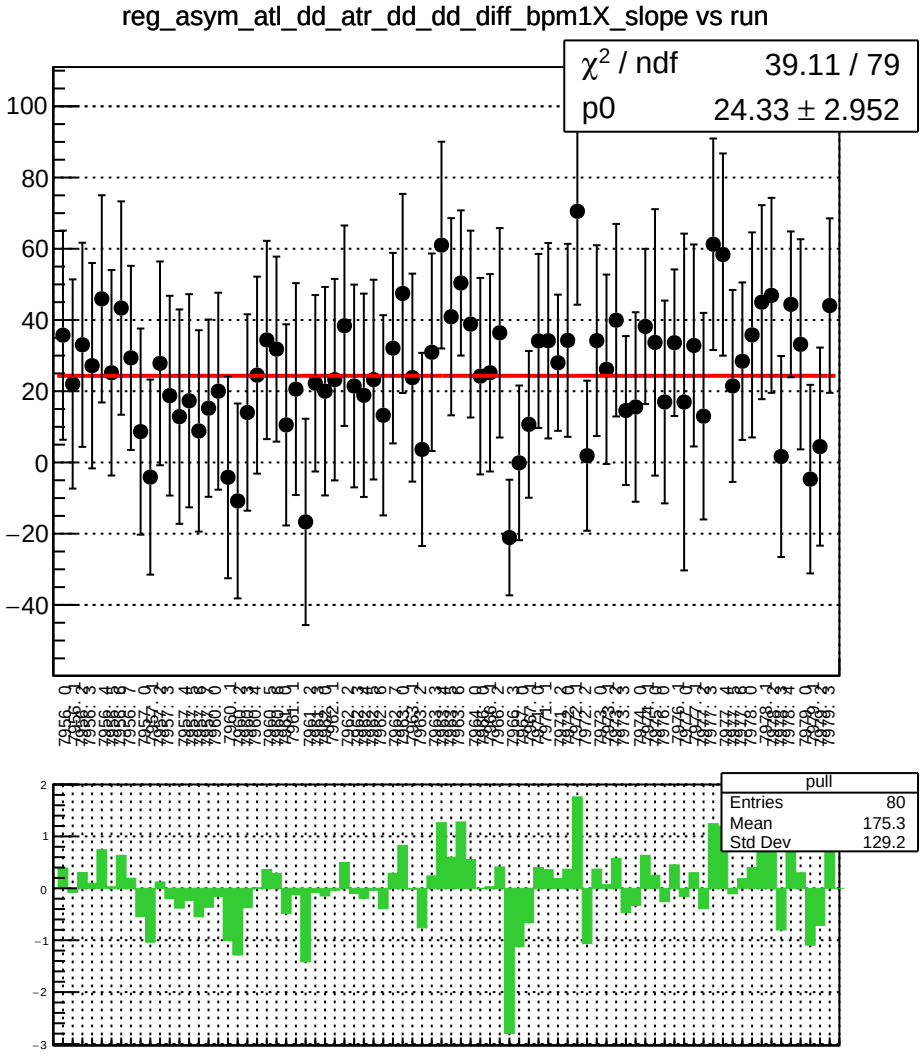

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.879 / 79
p0 −42.62 ± 8.542
pull
Entries 80
Mean 85.22
Std Dev 45.93

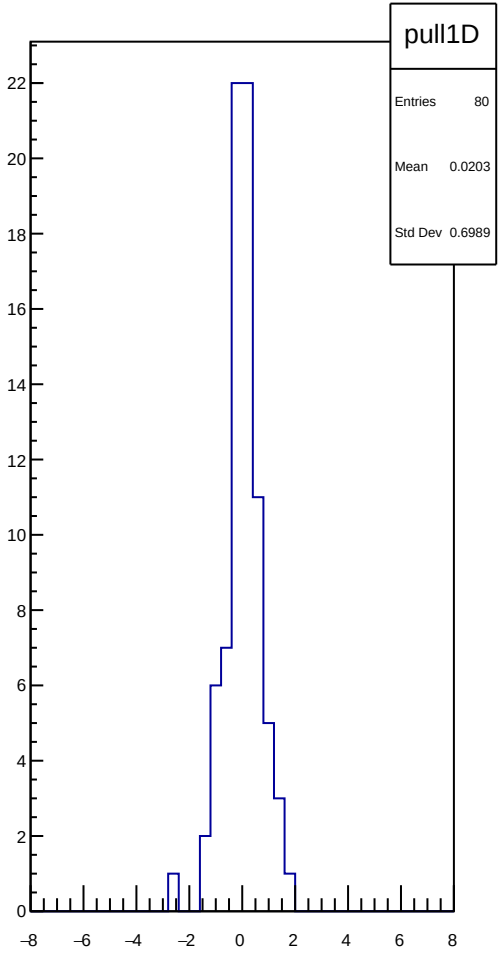

pull1D
Entries 80
Mean −0.005301
Std Dev 0.271

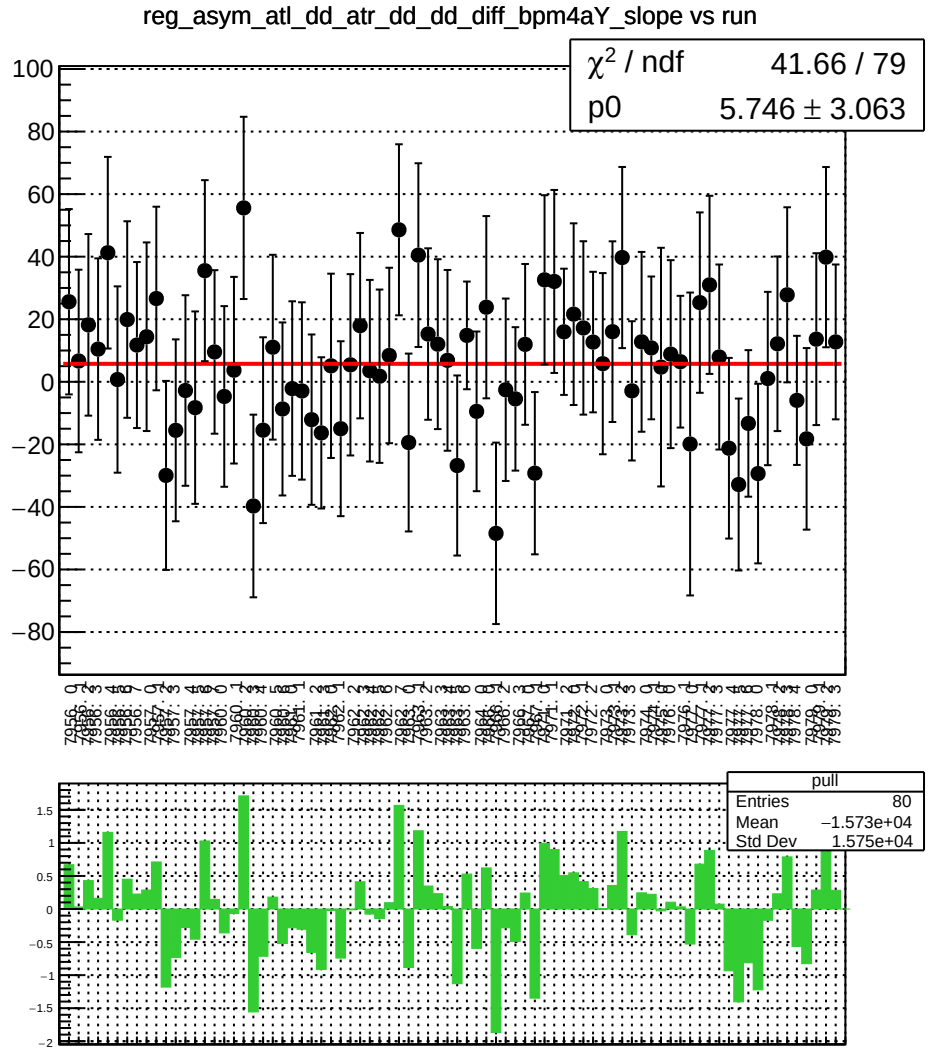

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.137 / 79
p0 −105.5 ± 7.298
pull
Entries 80
Mean −21.91
Std Dev 30.51
pull1D
Entries 80
Mean −0.007545
Std Dev 0.3188

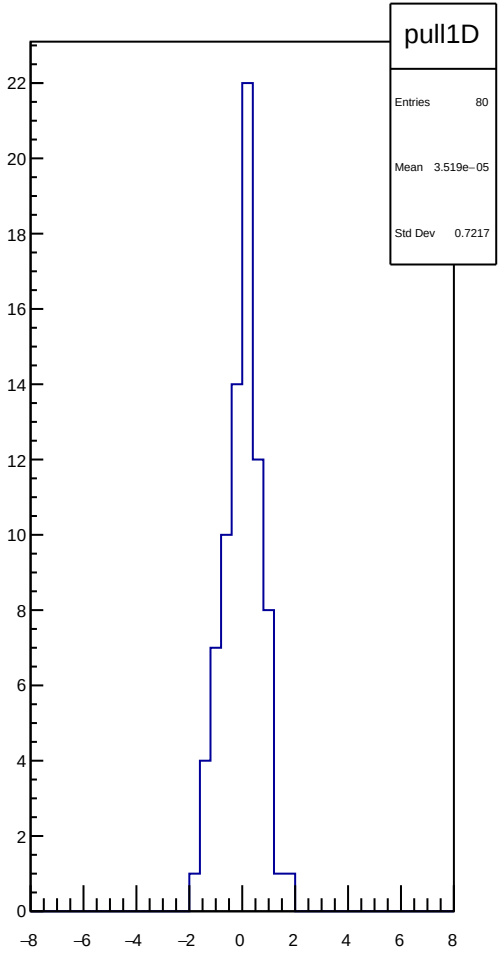

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.349 / 79
p0 −6.856 ± 9.786
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −142.9
Std Dev 194.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean 0.003123
Std Dev 0.2585
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

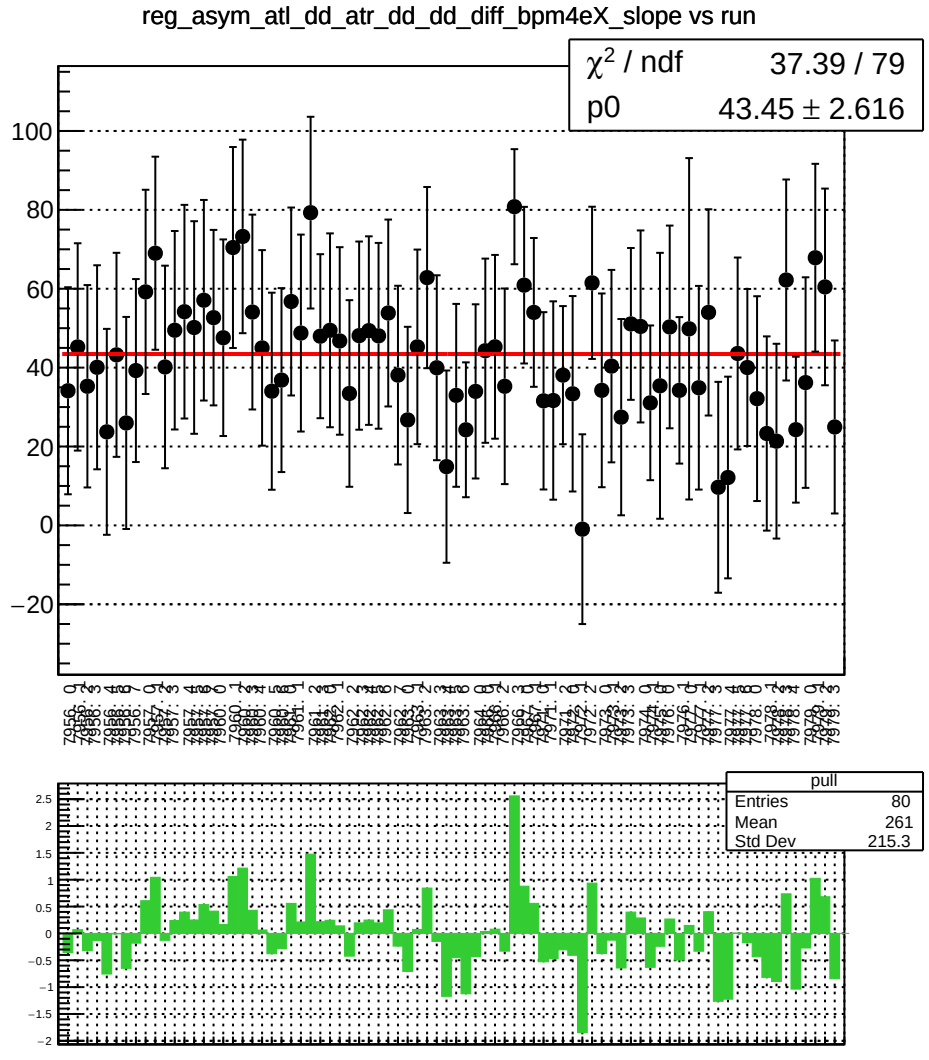

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 15.7 / 79
p0 122.4 ± 0.2834
pull
Entries 80
Mean 311.7
Std Dev 288.5
pull1D
Entries 80
Mean −0.008023
Std Dev 0.4429

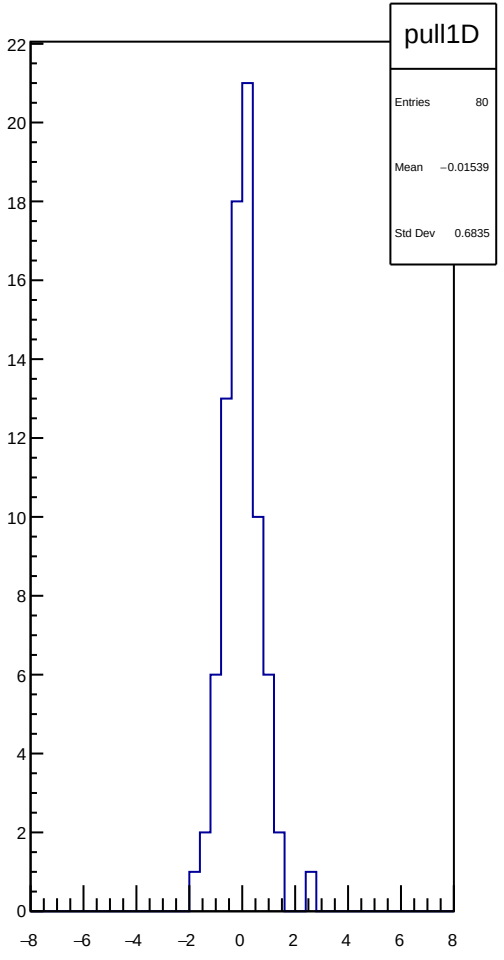

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 39.11 / 79
p0 24.33 ± 2.952
pull
Entries 80
Mean 175.3
Std Dev 129.2

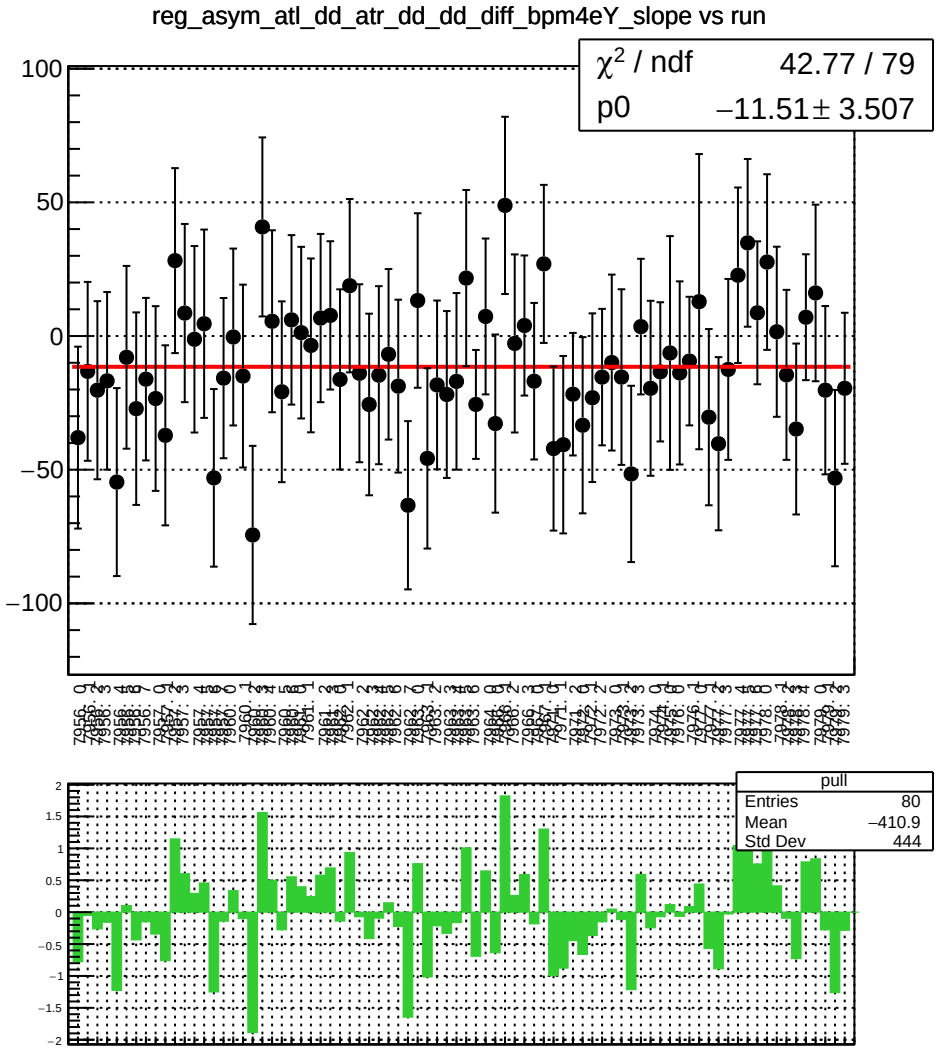

pull1D
Entries 80
Mean 0.0203
Std Dev 0.6989

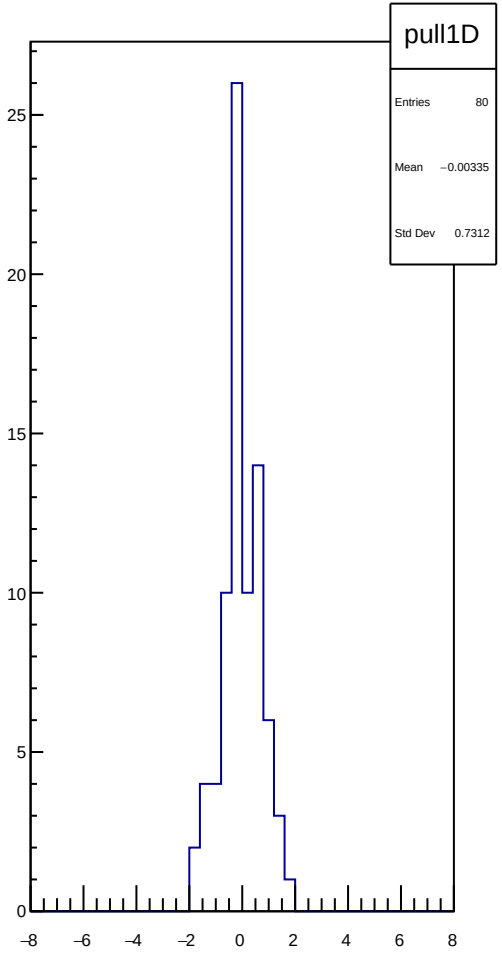

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.66 / 79
p0 5.746 ± 3.063
pull
Entries 80
Mean −1.573e+04
Std Dev 1.575e+04

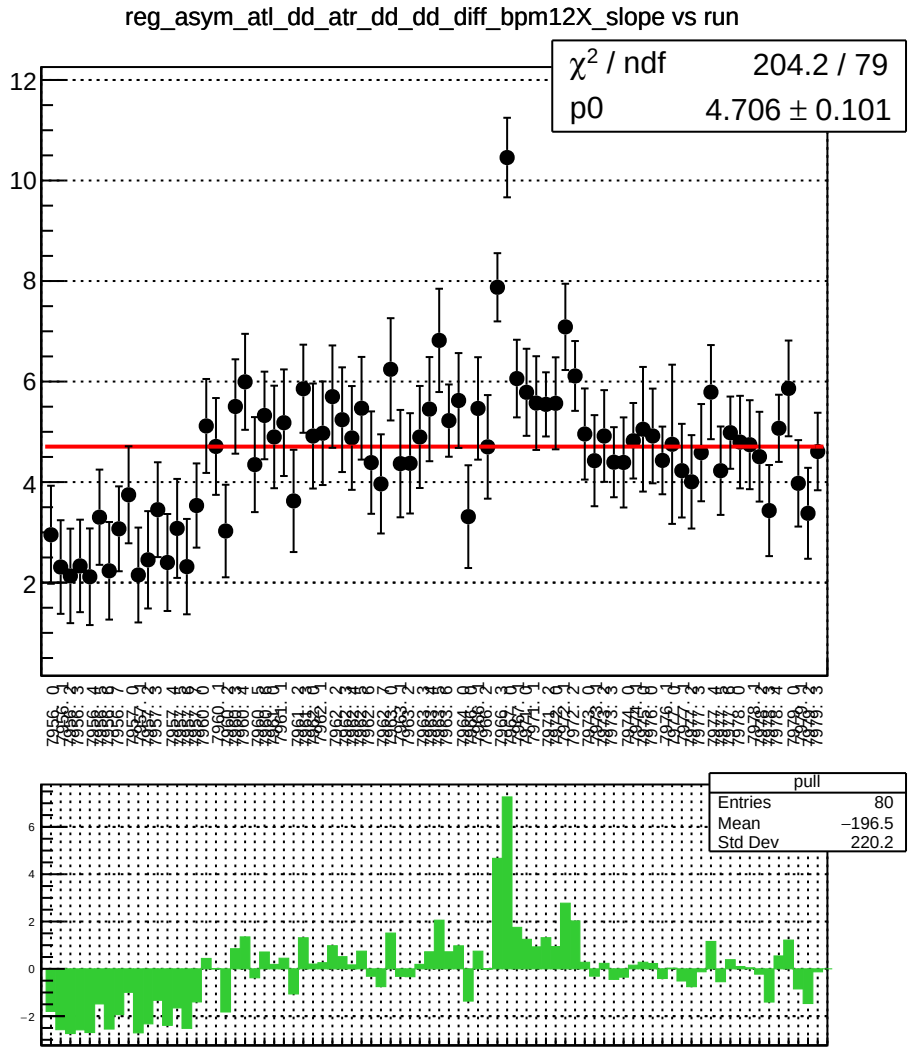

pull1D
Entries 80
Mean 3.519e−05
Std Dev 0.7217

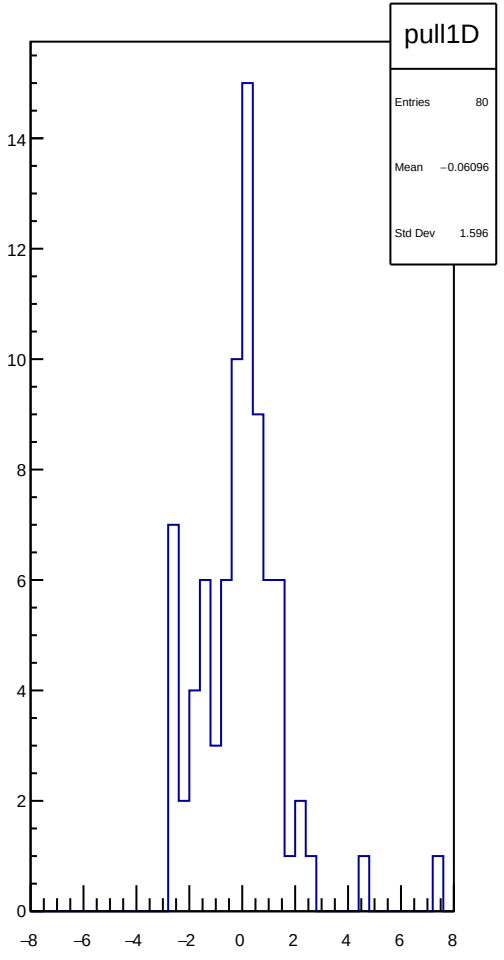

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.39 / 79
p0 43.45 ± 2.616
pull
Entries 80
Mean 261
Std Dev 215.3

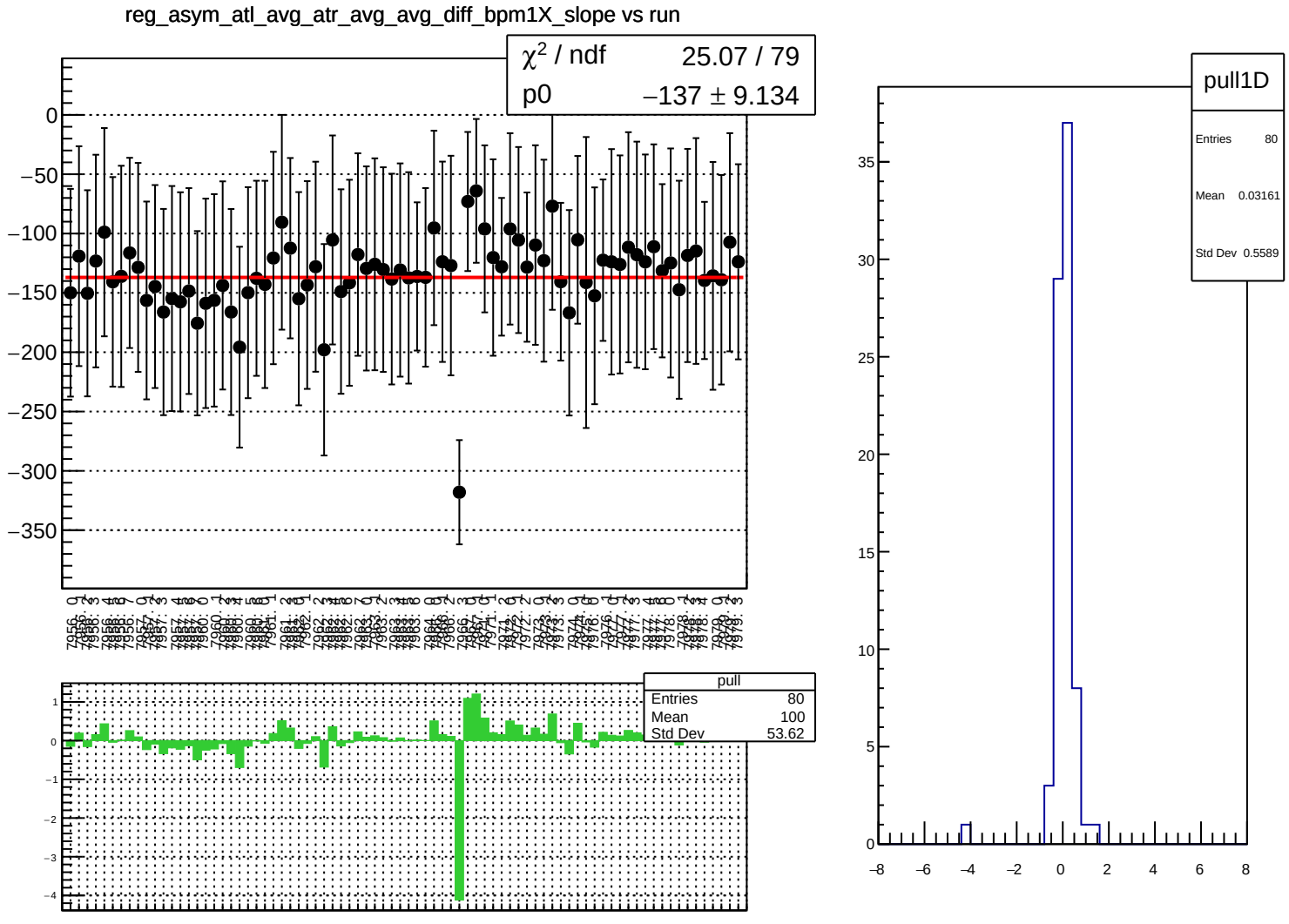

pull1D
Entries 80
Mean −0.01539
Std Dev 0.6835

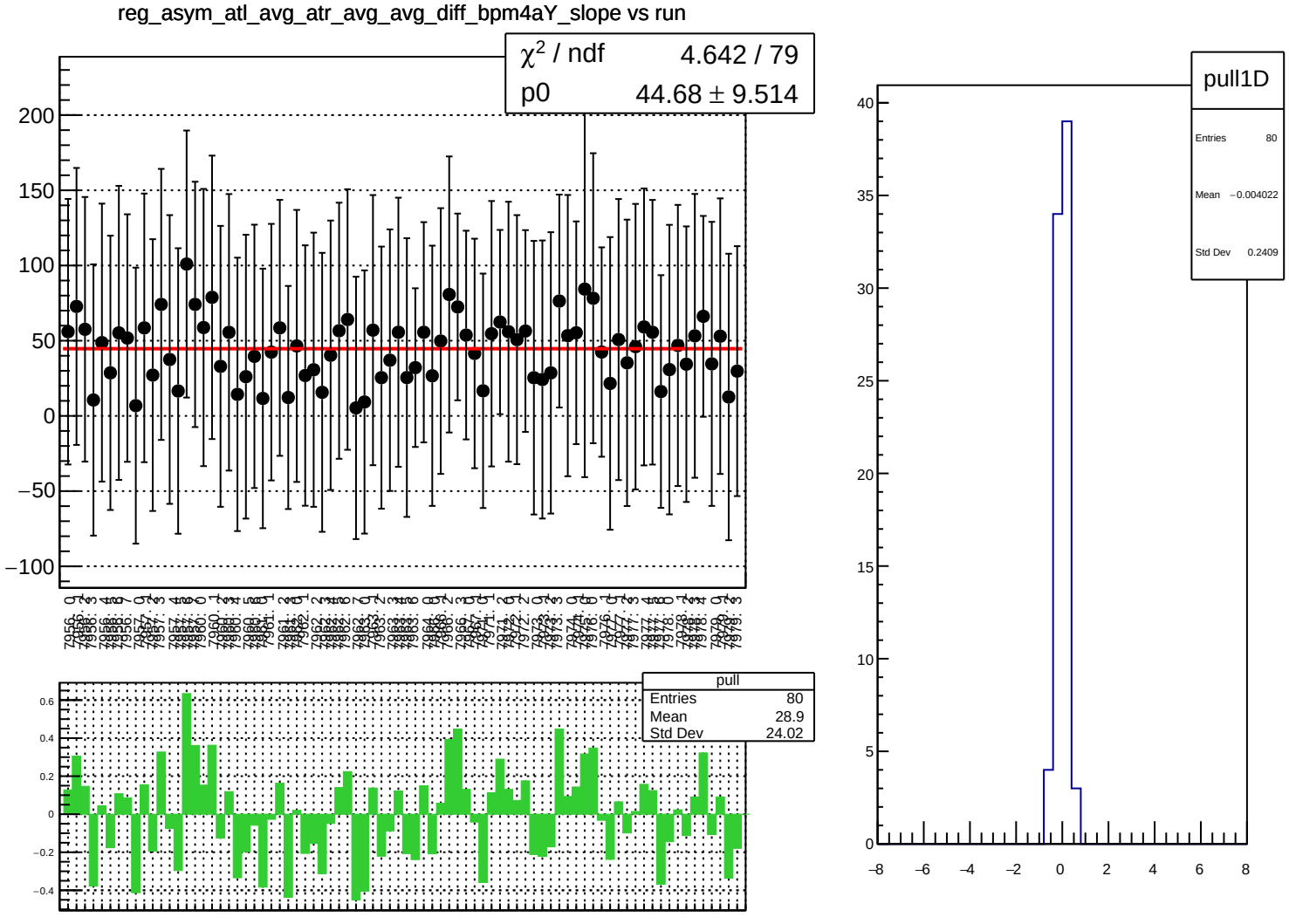

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.77 / 79
p0 −11.51± 3.507
pull
Entries 80
Mean −410.9
Std Dev 444

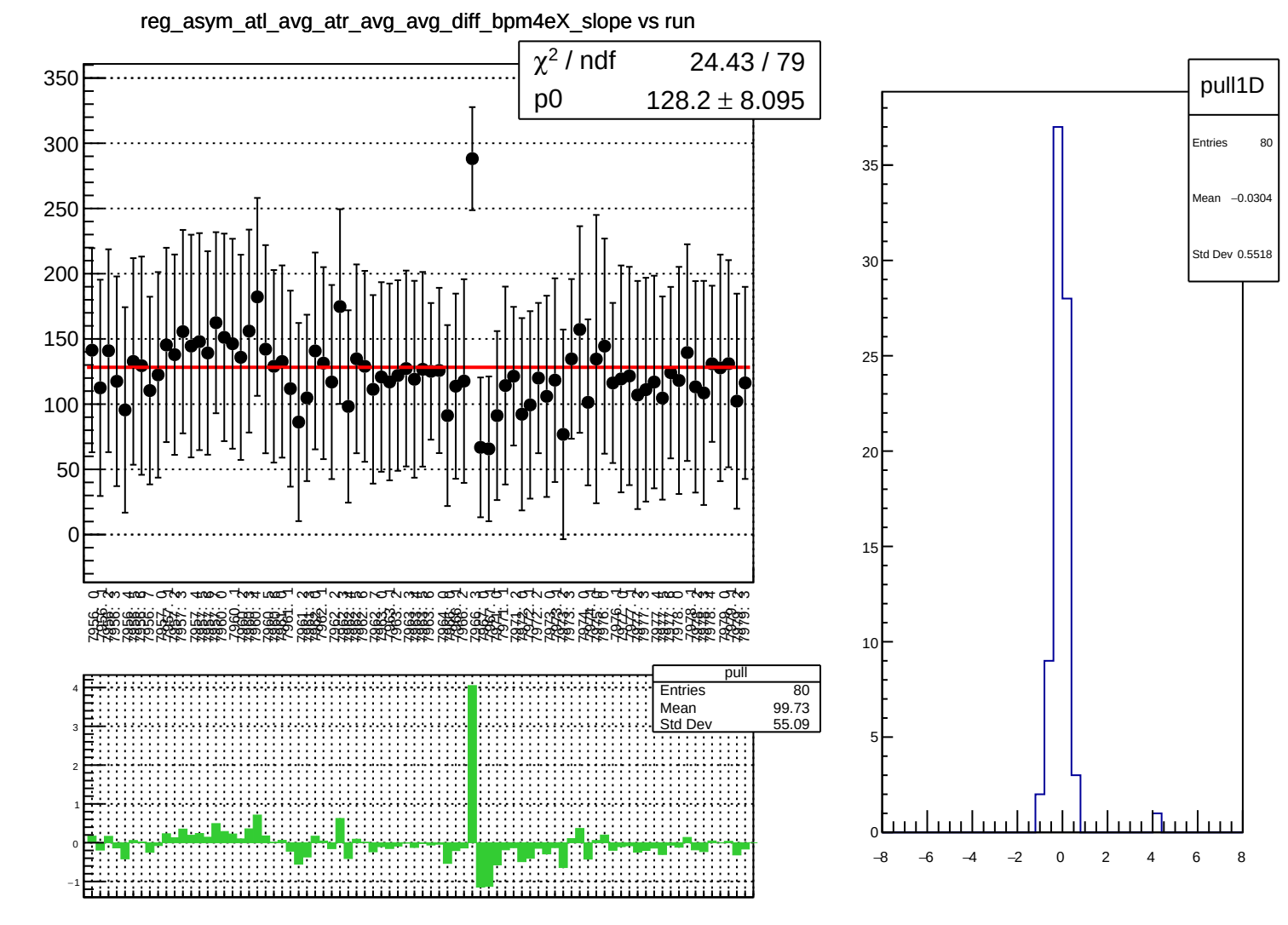

pull1D
Entries 80
Mean −0.00335
Std Dev 0.7312

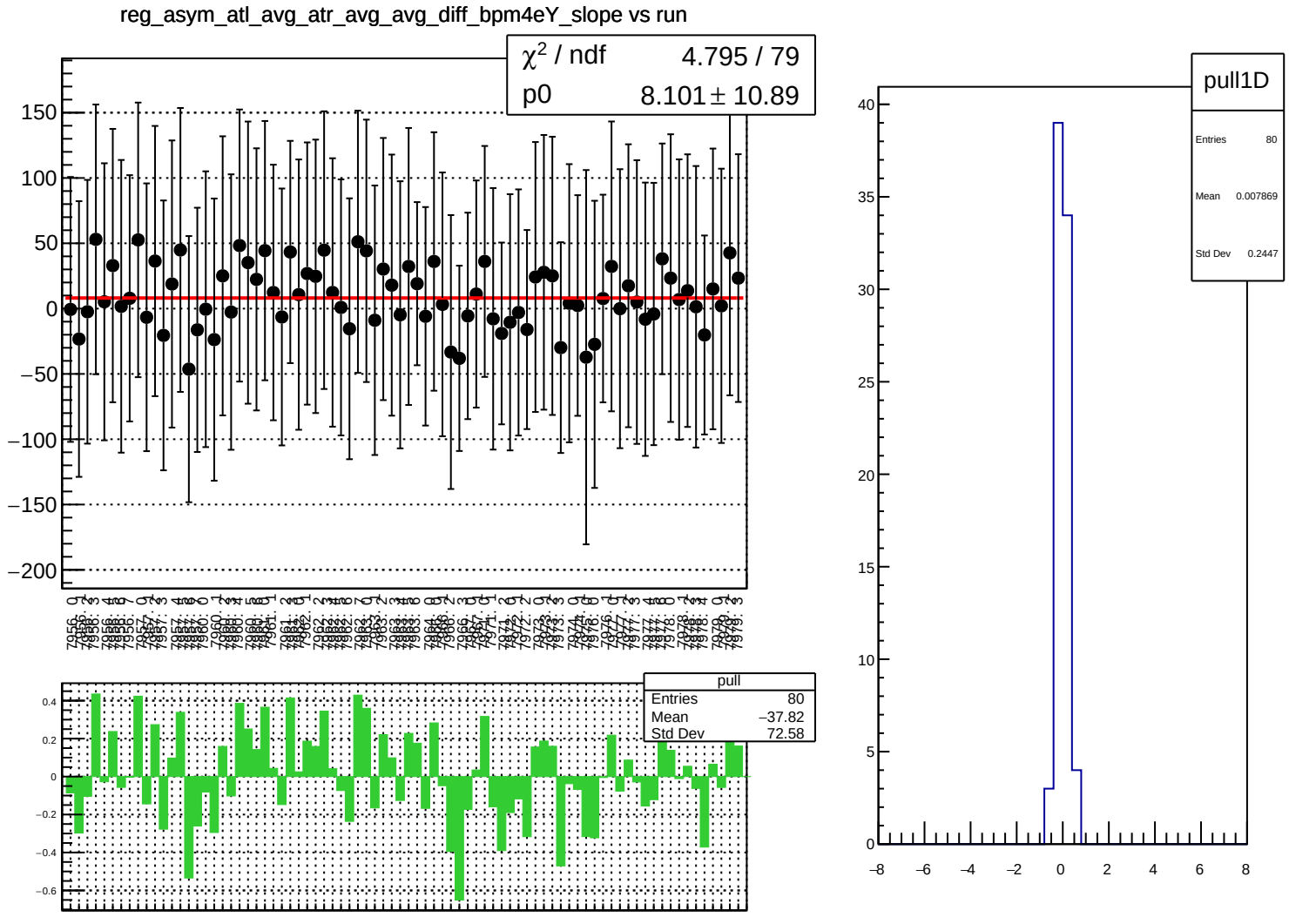

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 204.2 / 79
p0 4.706 ± 0.101
pull
Entries 80
Mean −196.5
Std Dev 220.2

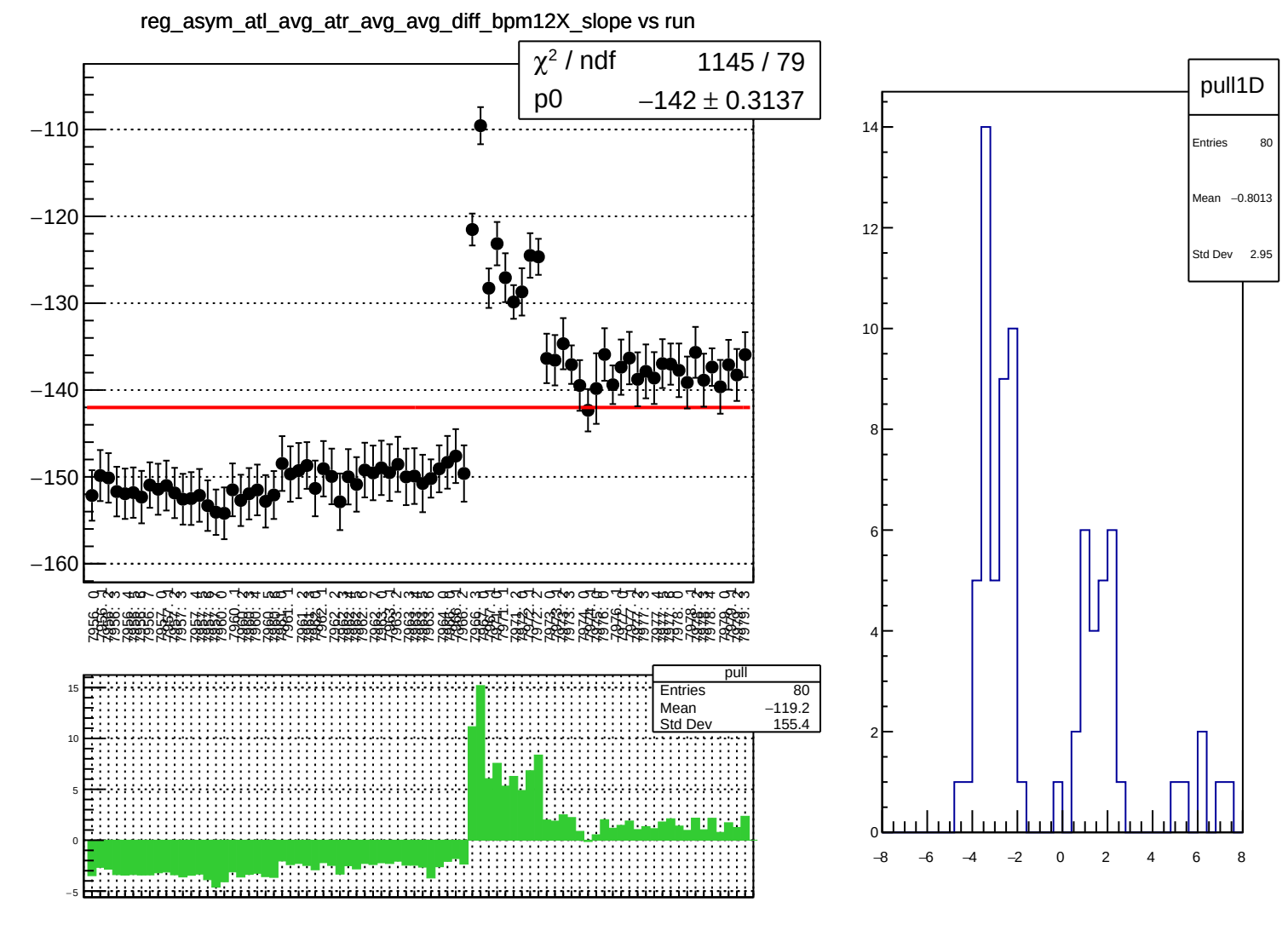

pull1D
Entries 80
Mean −0.06096
Std Dev 1.596

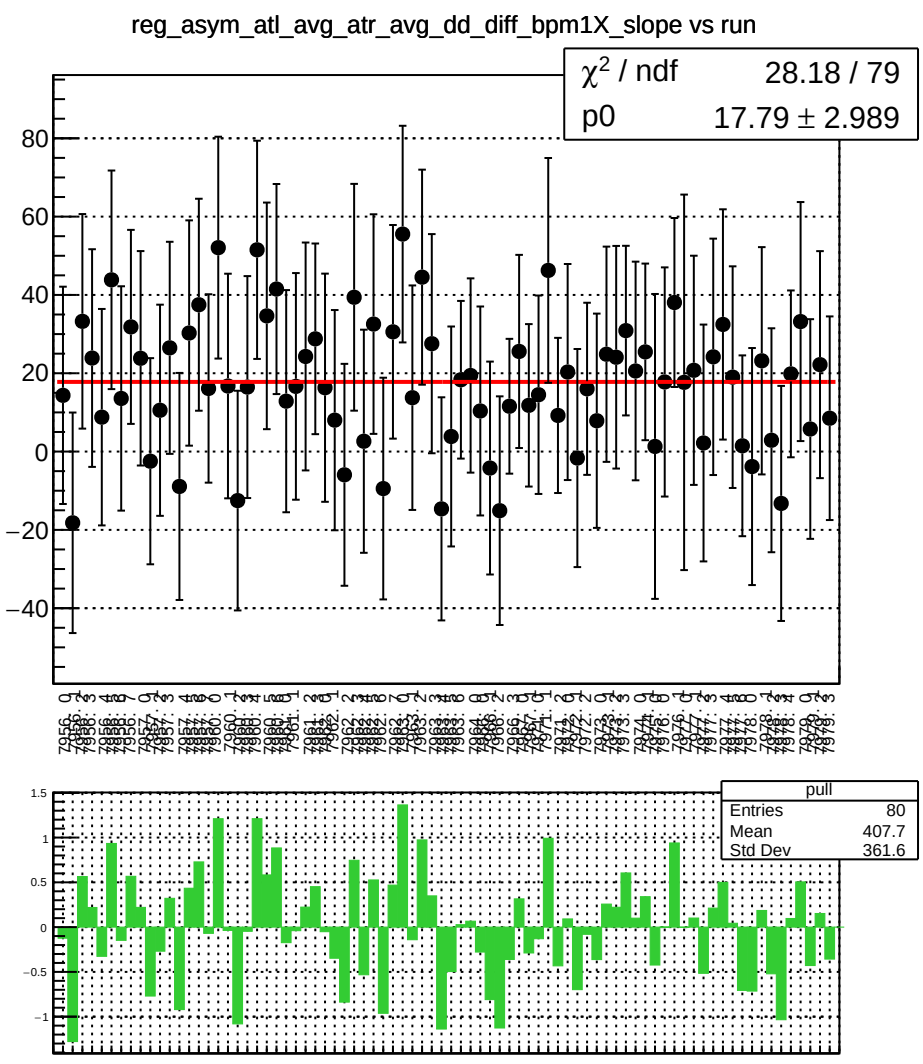

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 25.07 / 79
p0 −137 ± 9.134
pull
Entries 80
Mean 100
Std Dev 53.62
pull1D
Entries 80
Mean 0.03161
Std Dev 0.5589

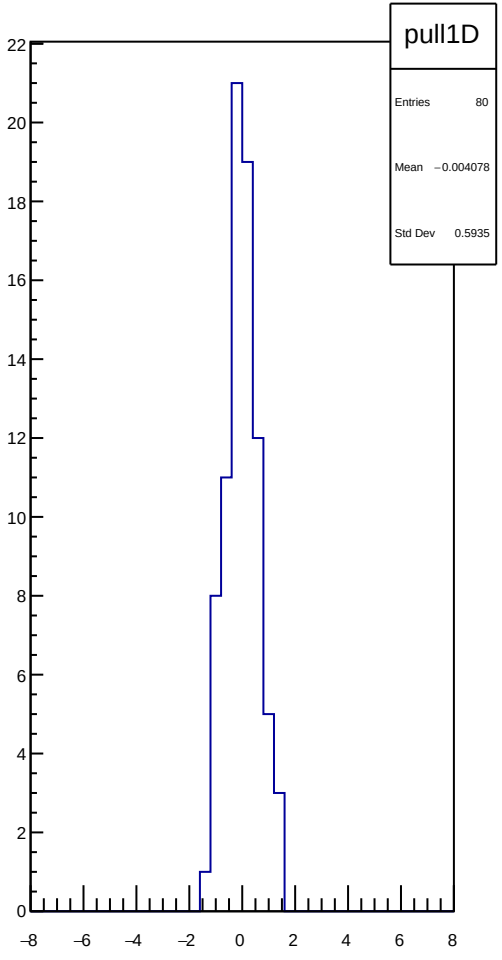

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.642 / 79
p0 44.68 ± 9.514
pull
Entries 80
Mean 28.9
Std Dev 24.02
pull1D
Entries 80
Mean −0.004022
Std Dev 0.2409

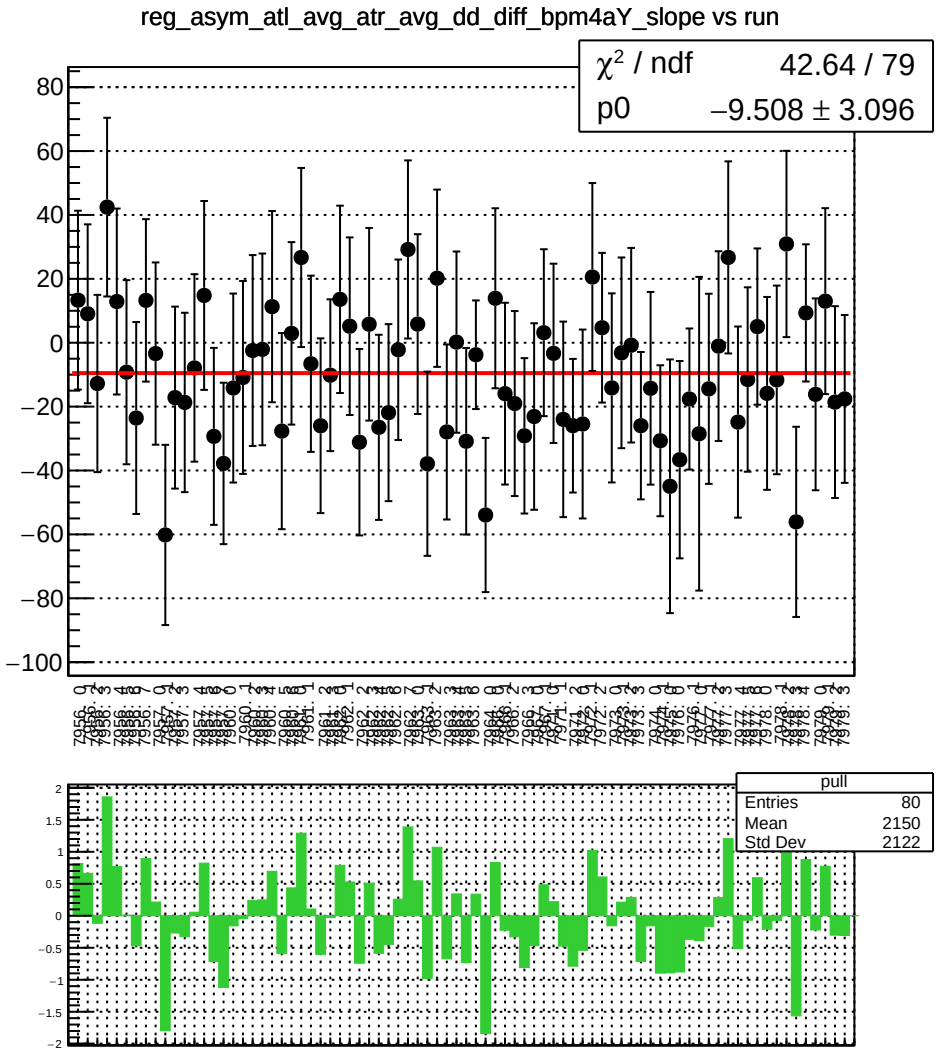

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.43 / 79
p0 128.2 ± 8.095
pull
Entries 80
Mean 99.73
Std Dev 55.09
pull1D
Entries 80
Mean −0.0304
Std Dev 0.5518

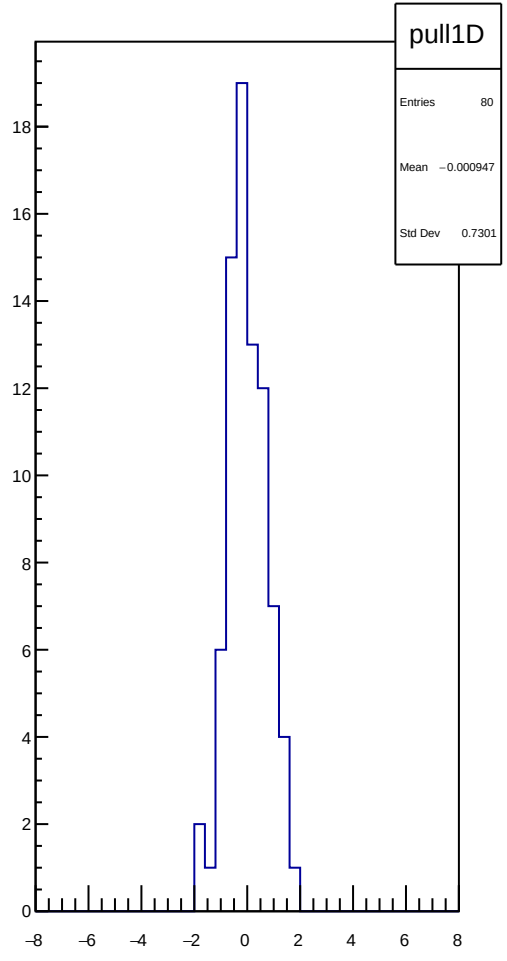

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.795 / 79
p0 8.101 ± 10.89
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −37.82
Std Dev 72.58
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean 0.007869
Std Dev 0.2447
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

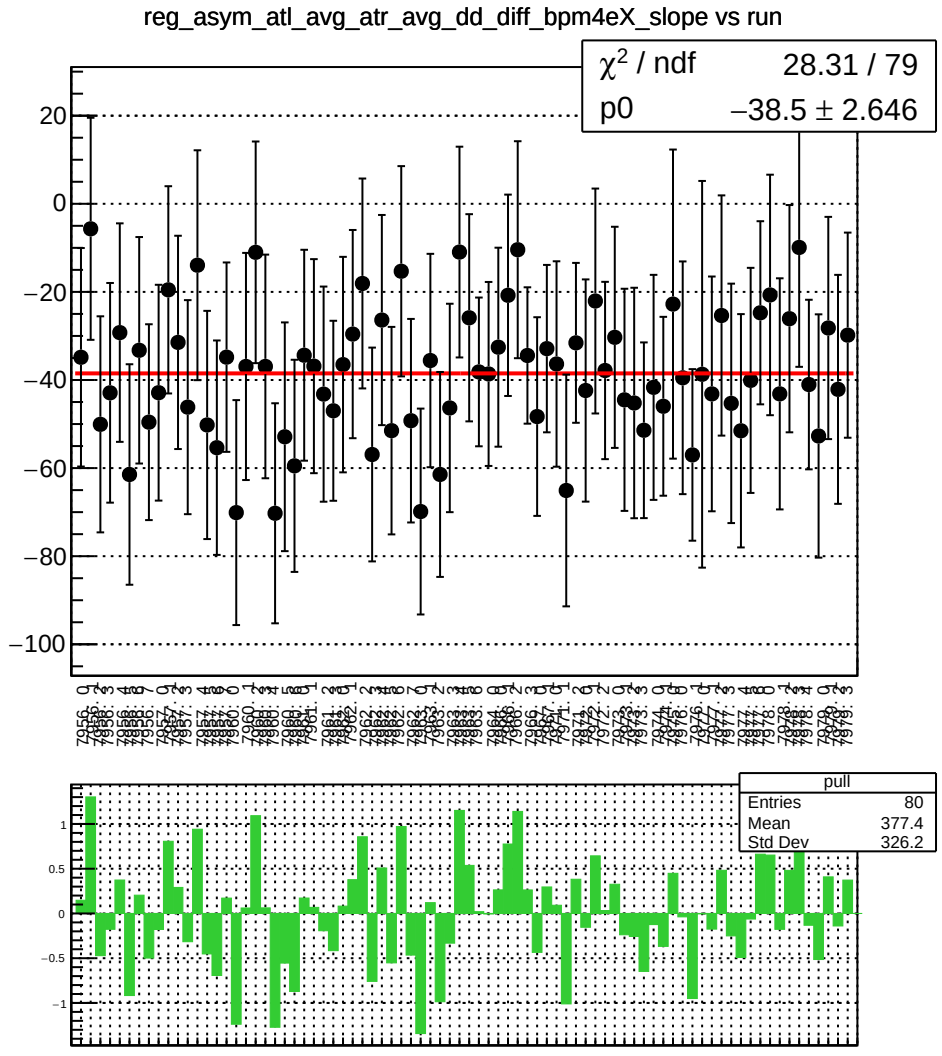

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 1145 / 79
p0 −142 ± 0.3137
pull
Entries 80
Mean −119.2
Std Dev 155.4
pull1D
Entries 80
Mean −0.8013
Std Dev 2.95

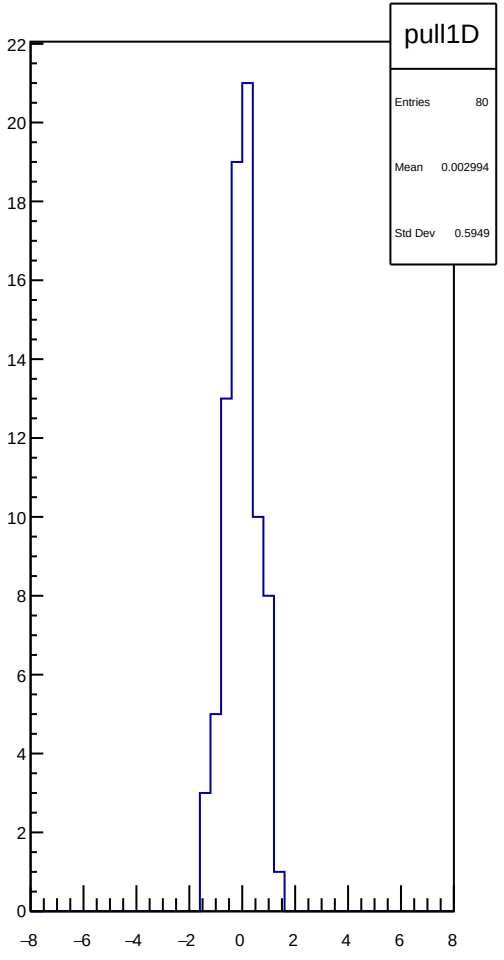

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 28.18 / 79
p0 17.79 ± 2.989
pull
Entries 80
Mean 407.7
Std Dev 361.6

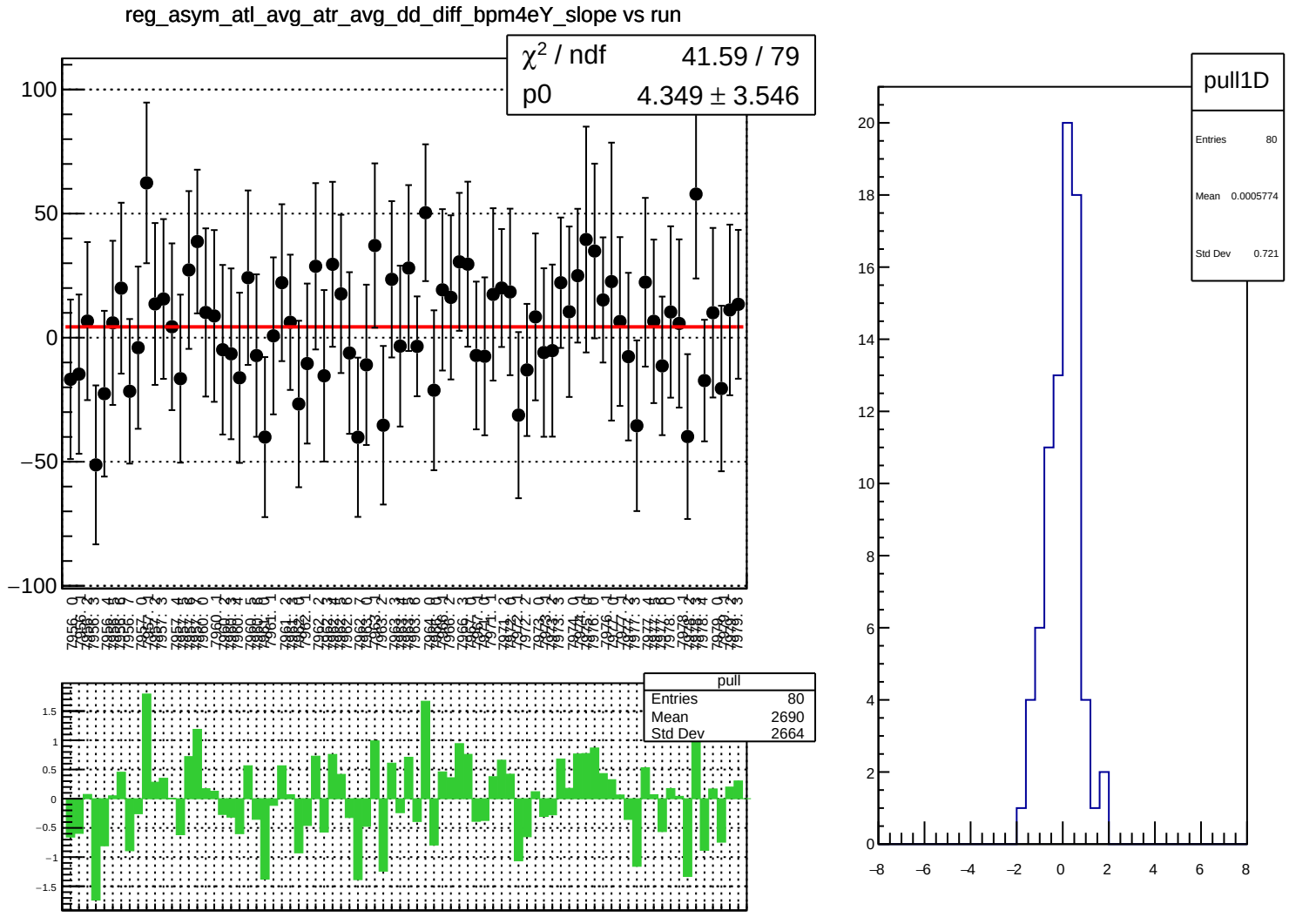

pull1D
Entries 80
Mean −0.004078
Std Dev 0.5935

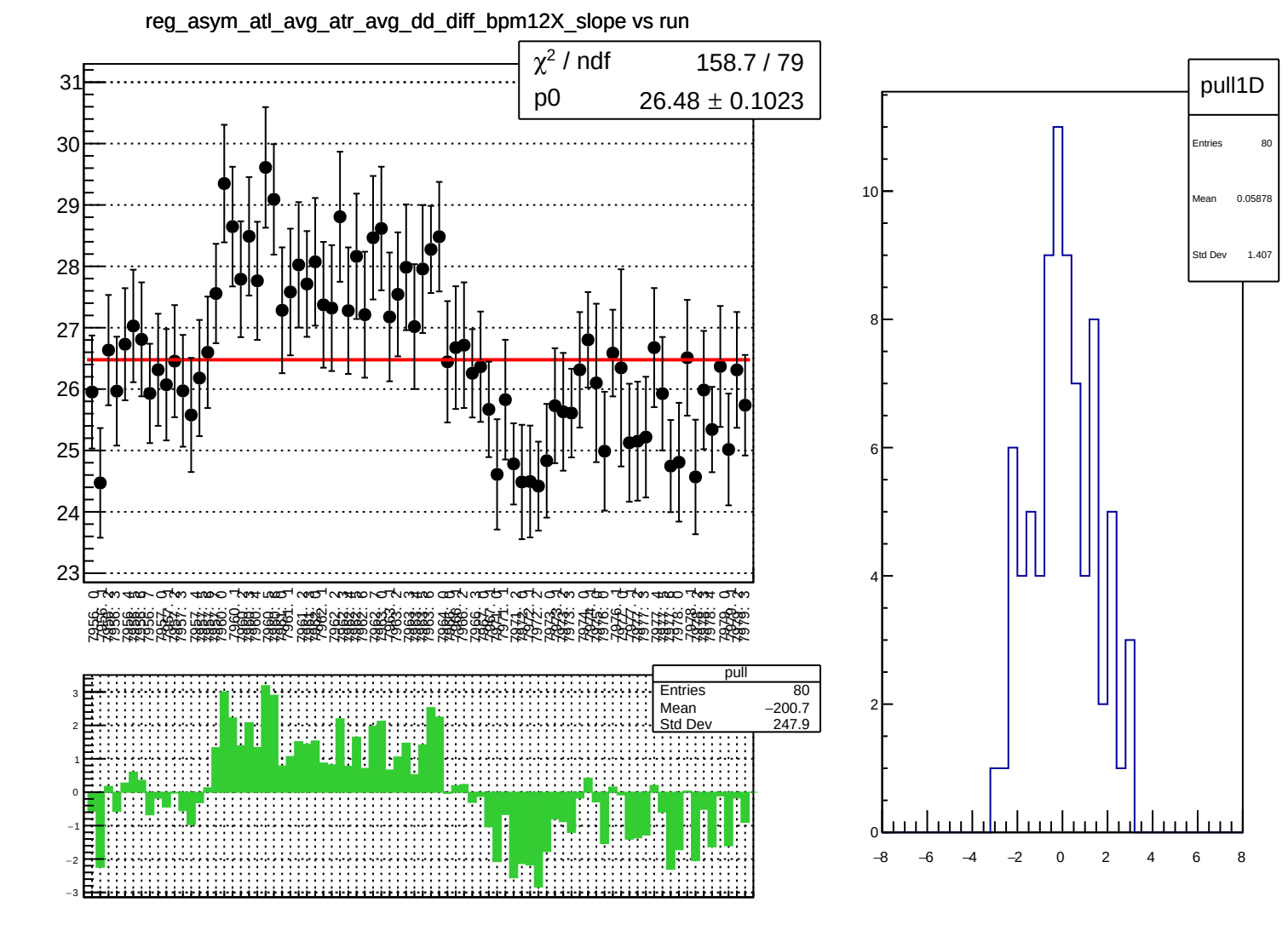

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.64 / 79
p0 −9.508 ± 3.096
pull
Entries 80
Mean 2150
Std Dev 2122

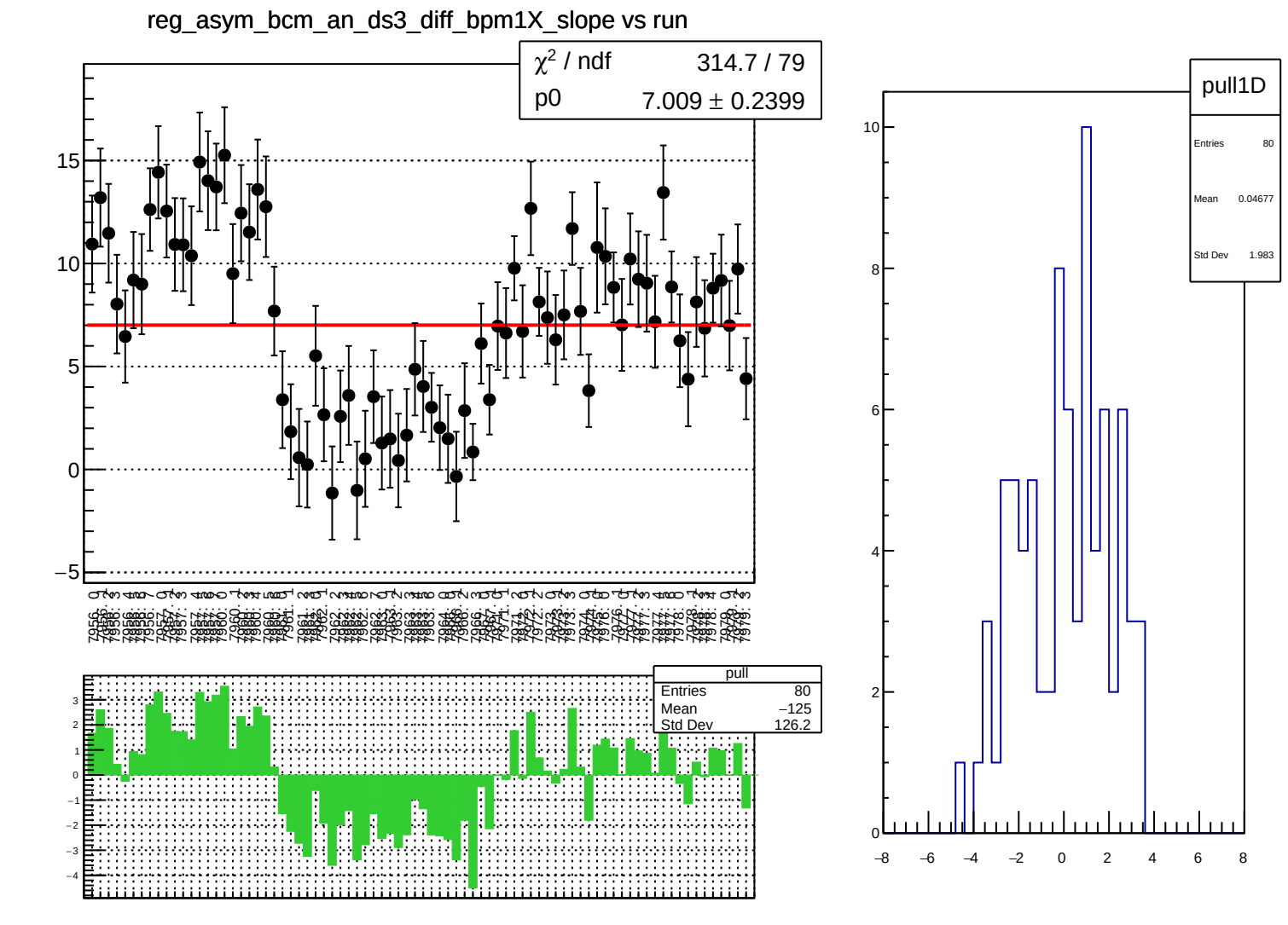

pull1D
Entries 80
Mean −0.000947
Std Dev 0.7301

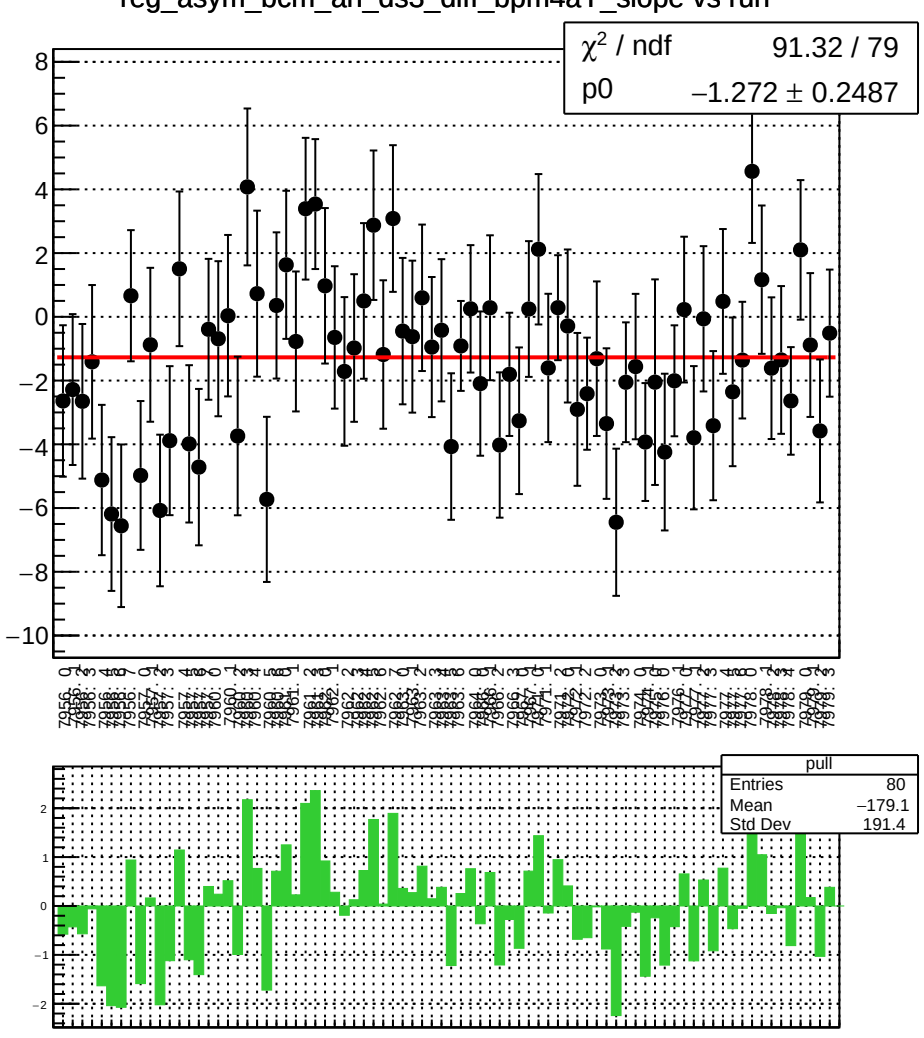

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.31 / 79
p0 −38.5 ± 2.646
pull
Entries 80
Mean 377.4
Std Dev 326.2

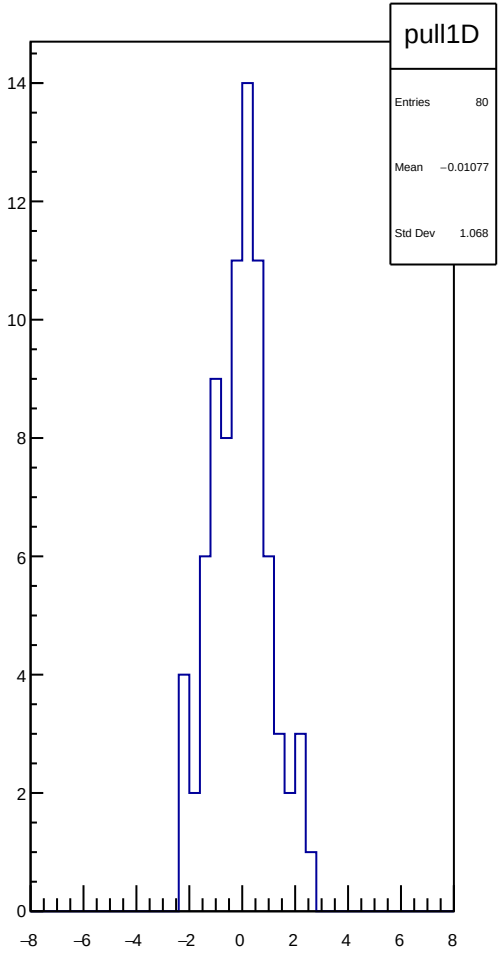

pull1D
Entries 80
Mean 0.002994
Std Dev 0.5949

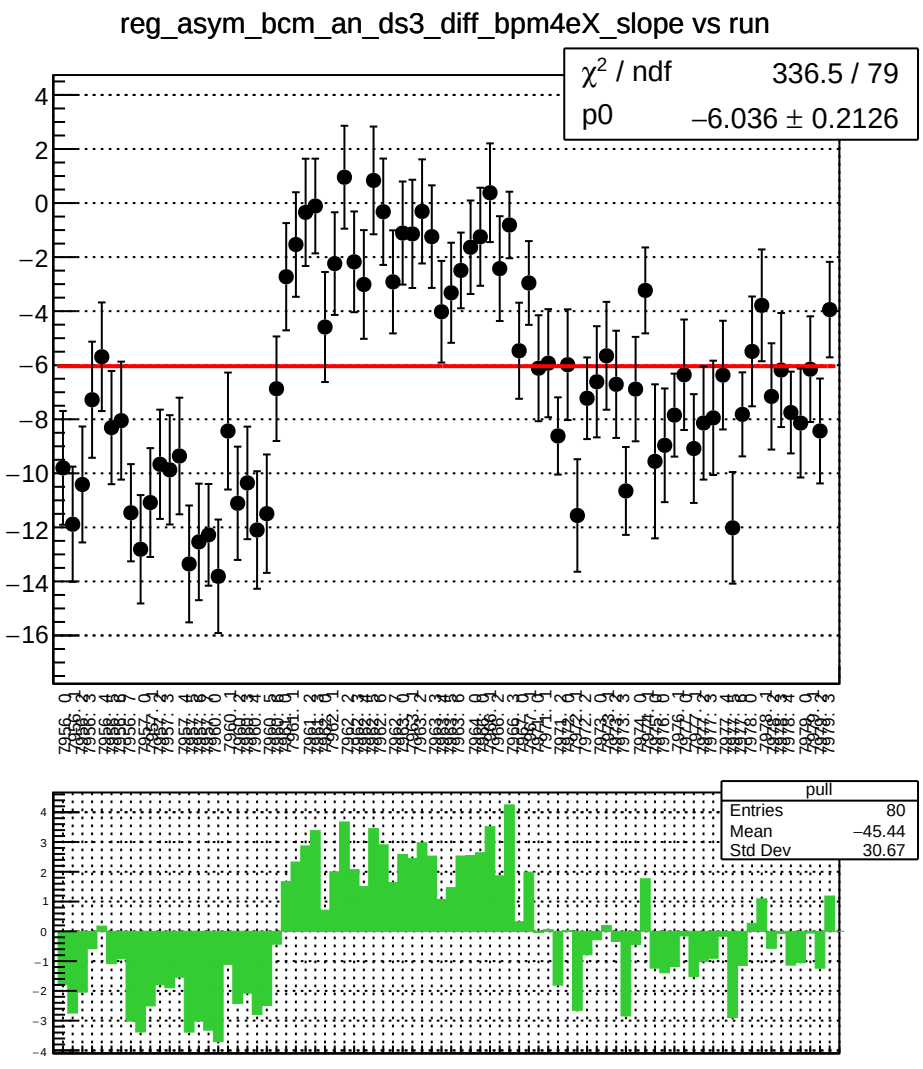

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.59 / 79
p0 4.349 ± 3.546
pull
Entries 80
Mean 2690
Std Dev 2664
pull1D
Entries 80
Mean 0.0005774
Std Dev 0.721

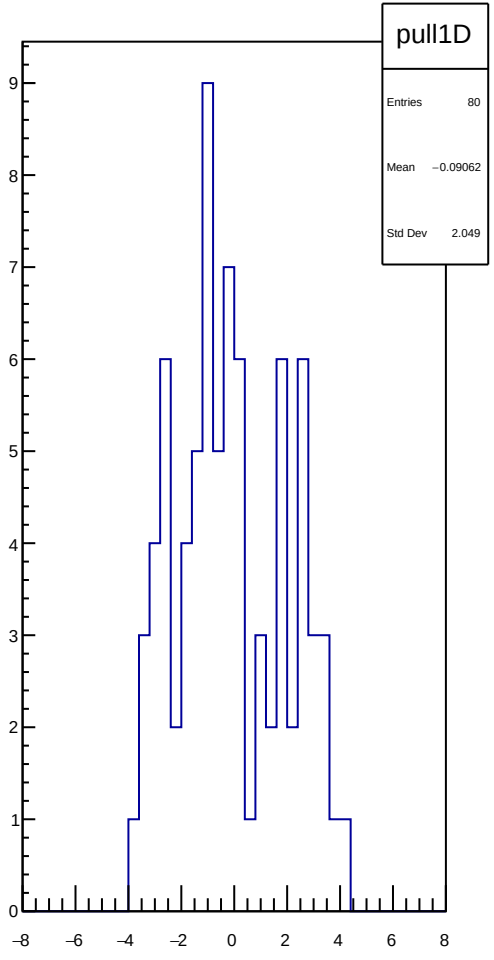

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 158.7 / 79
p0 26.48 ± 0.1023
pull
Entries 80
Mean −200.7
Std Dev 247.9
pull1D
Entries 80
Mean 0.05878
Std Dev 1.407

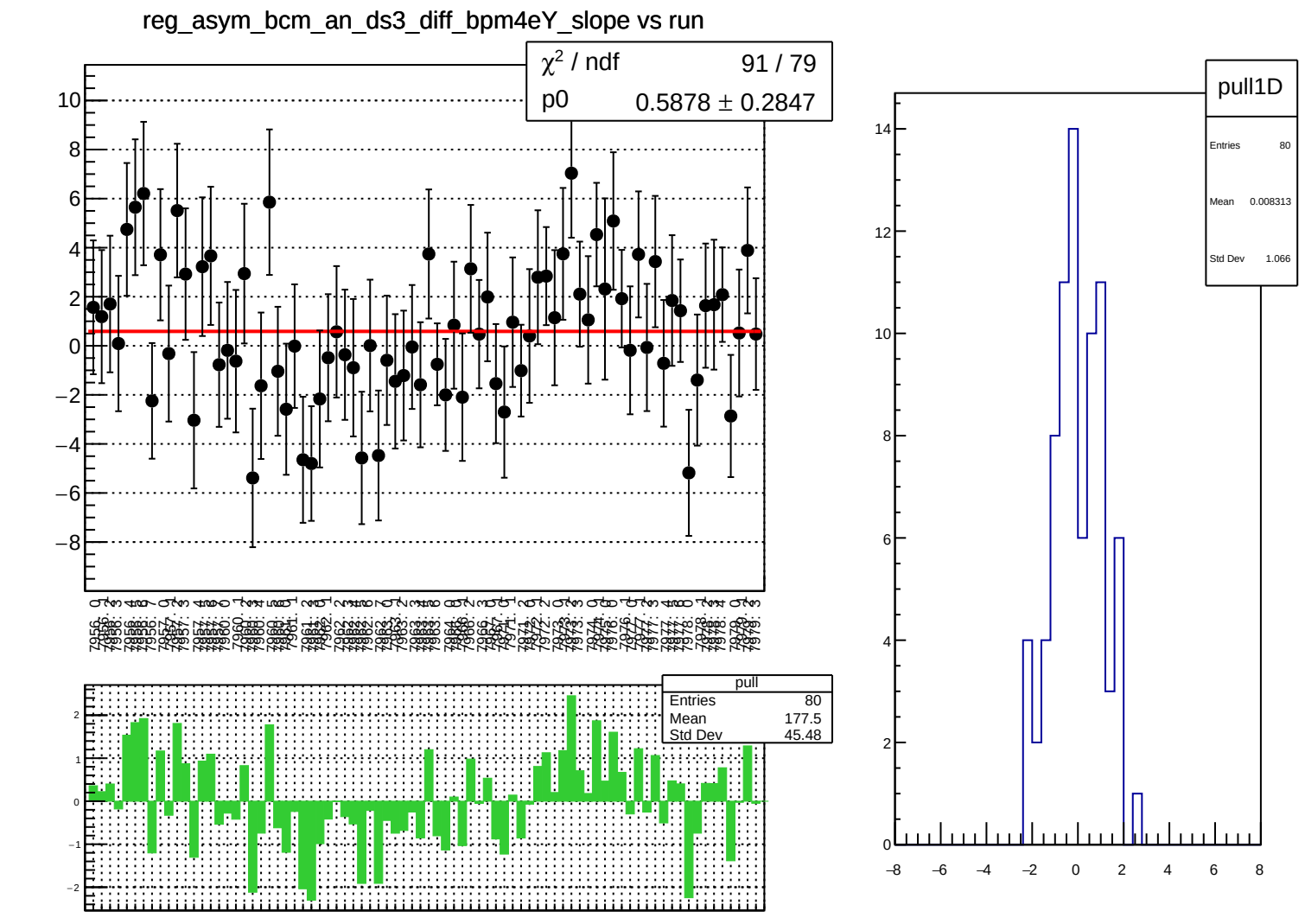

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 314.7 / 79
p0 7.009 ± 0.2399
pull
Entries 80
Mean −125
Std Dev 126.2
pull1D
Entries 80
Mean 0.04677
Std Dev 1.983

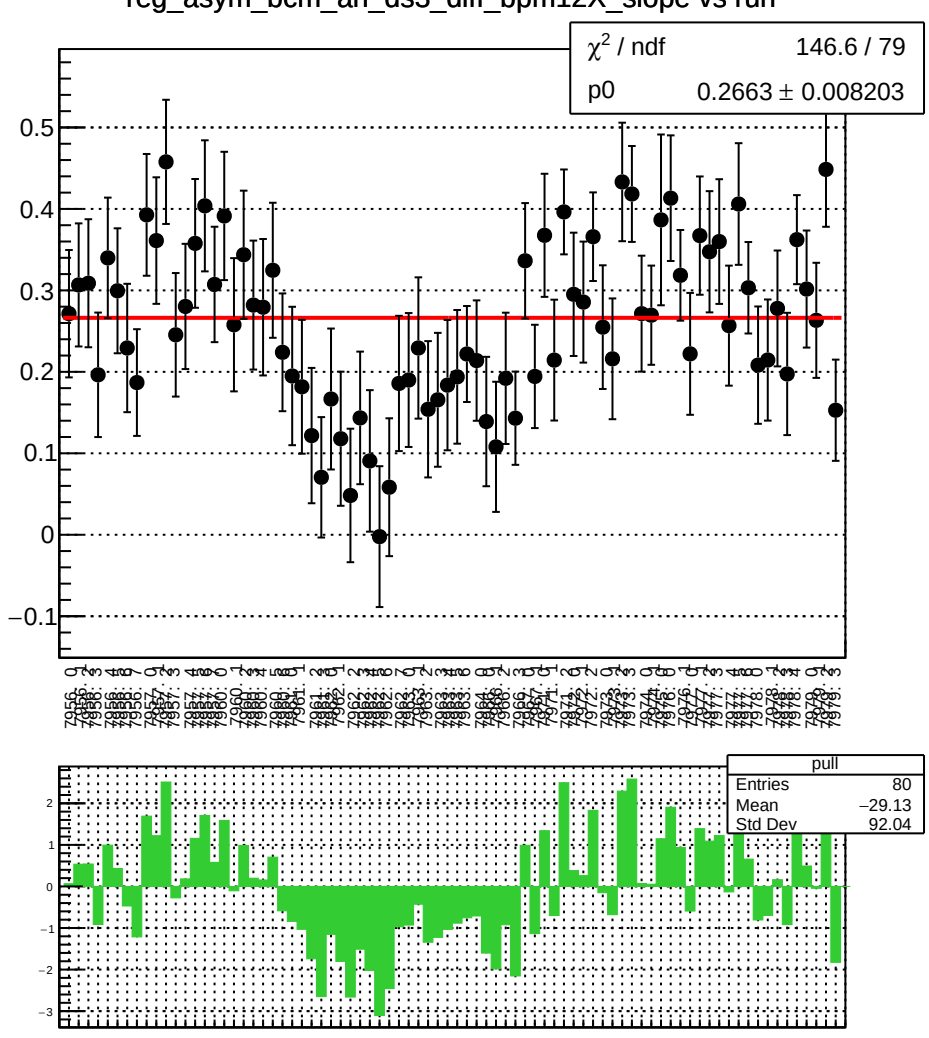

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 91.32 / 79
p0 −1.272 ± 0.2487
pull
Entries 80
Mean −179.1
Std Dev 191.4

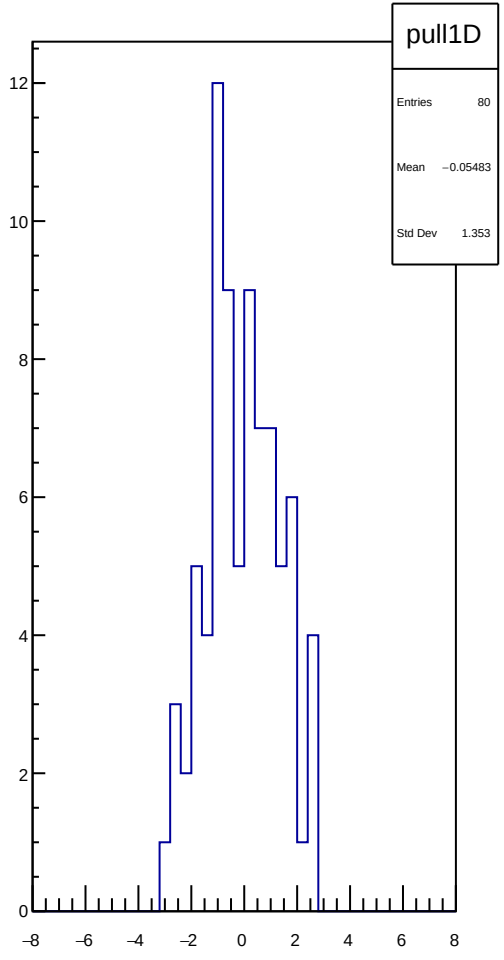

pull1D
Entries 80
Mean −0.01077
Std Dev 1.068

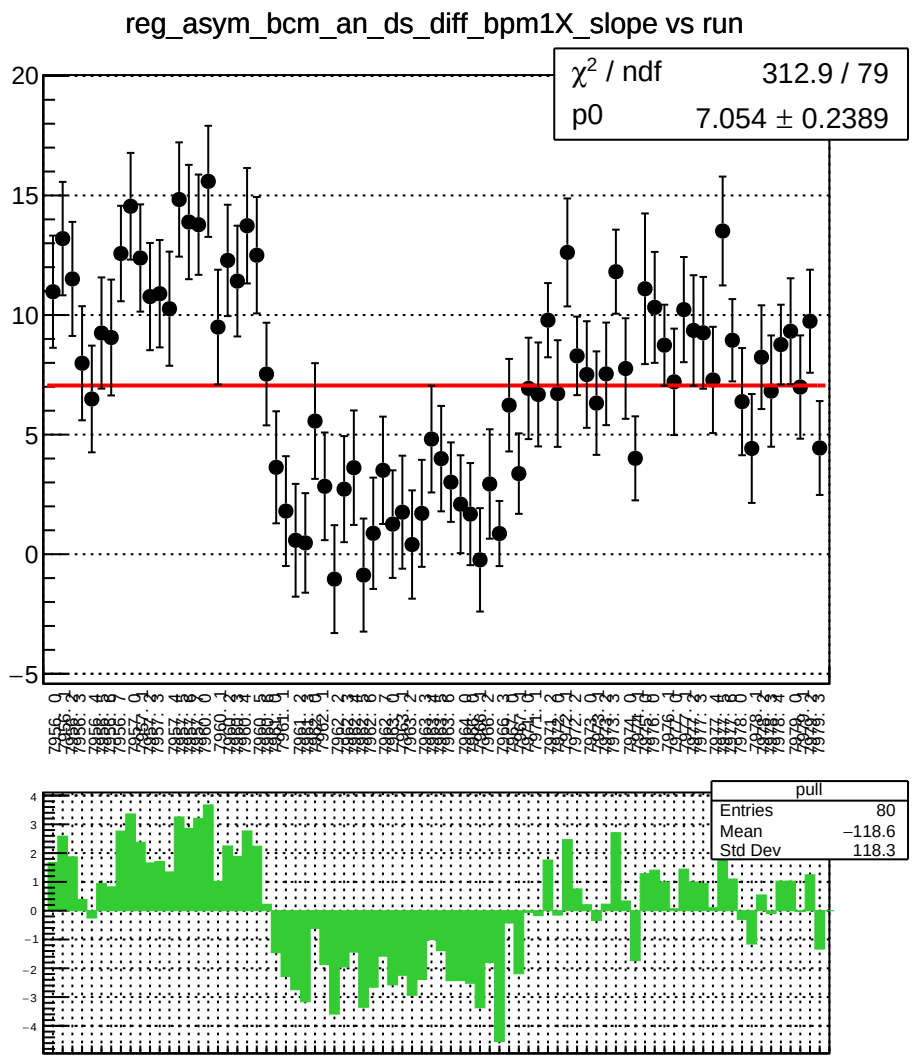

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 336.5 / 79
p0 −6.036 ± 0.2126
pull
Entries 80
Mean −45.44
Std Dev 30.67

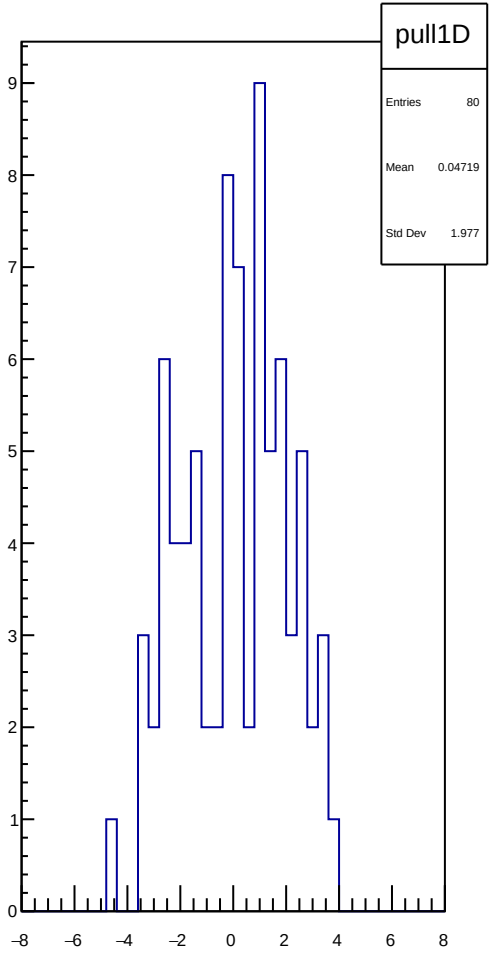

pull1D
Entries 80
Mean −0.09062
Std Dev 2.049

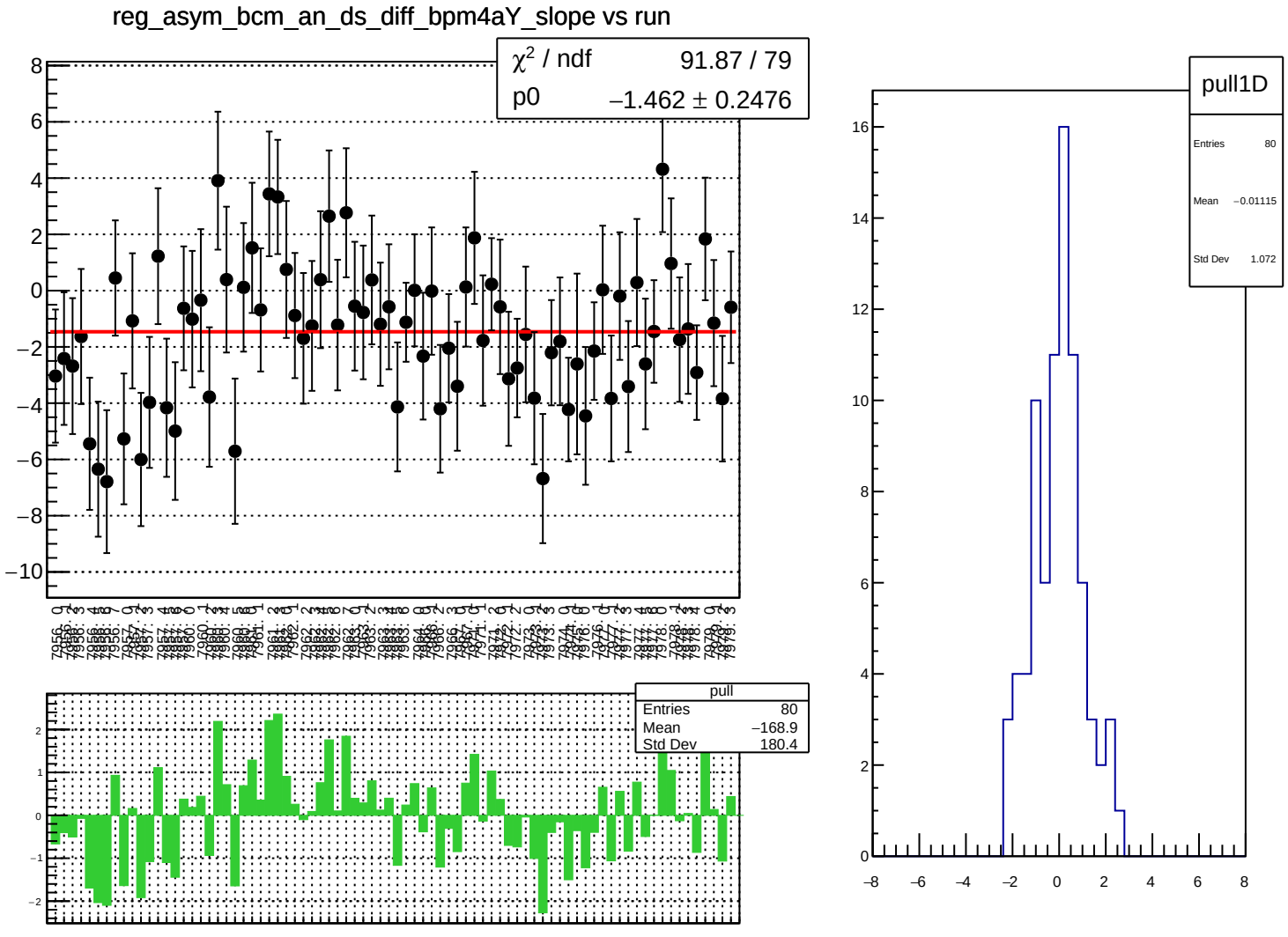

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 91 / 79
p0 0.5878 ± 0.2847
pull
Entries 80
Mean 177.5
Std Dev 45.48
pull1D
Entries 80
Mean 0.008313
Std Dev 1.066

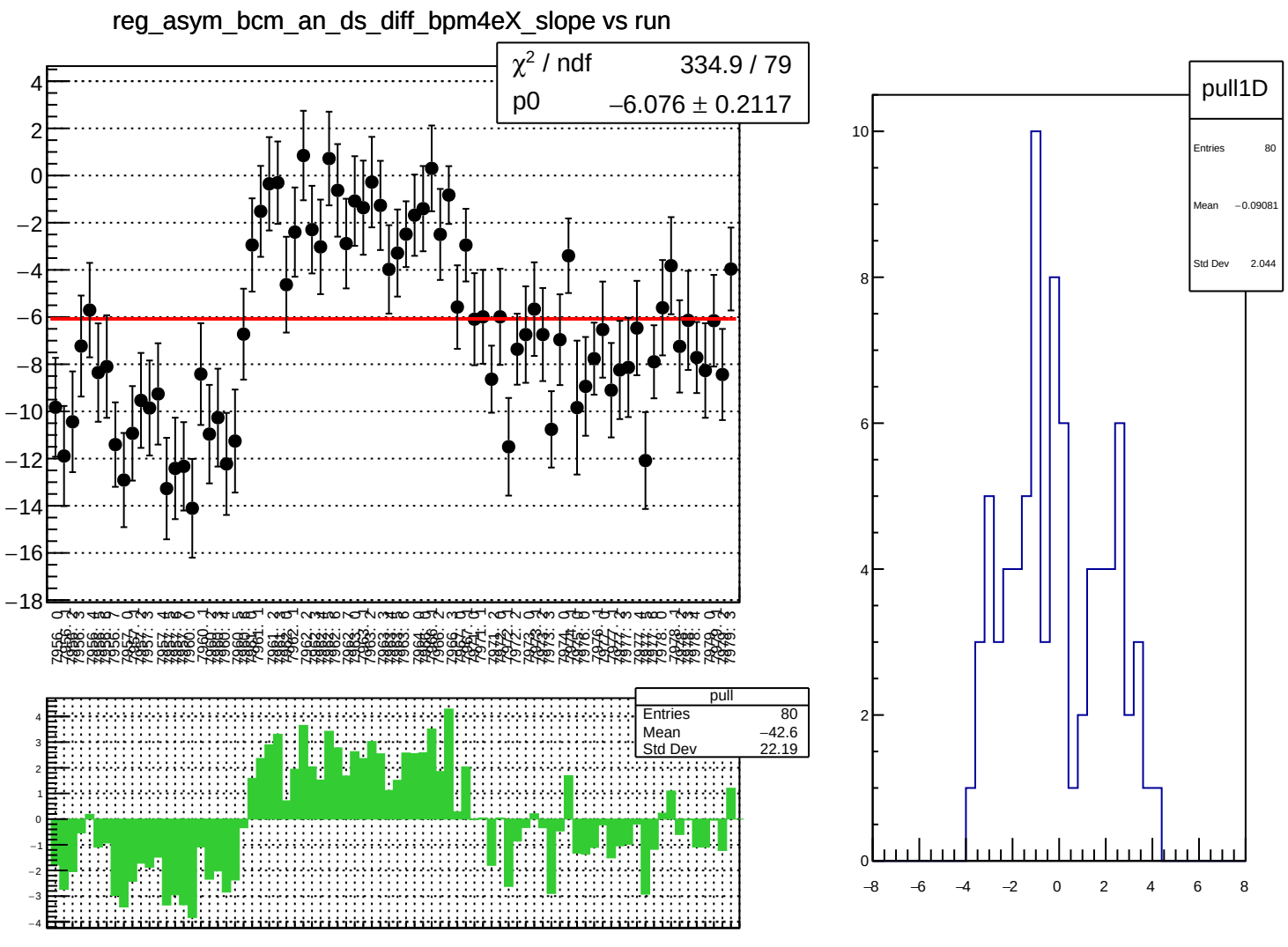

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 146.6 / 79
p0 0.2663 ± 0.008203
pull
Entries 80
Mean −29.13
Std Dev 92.04

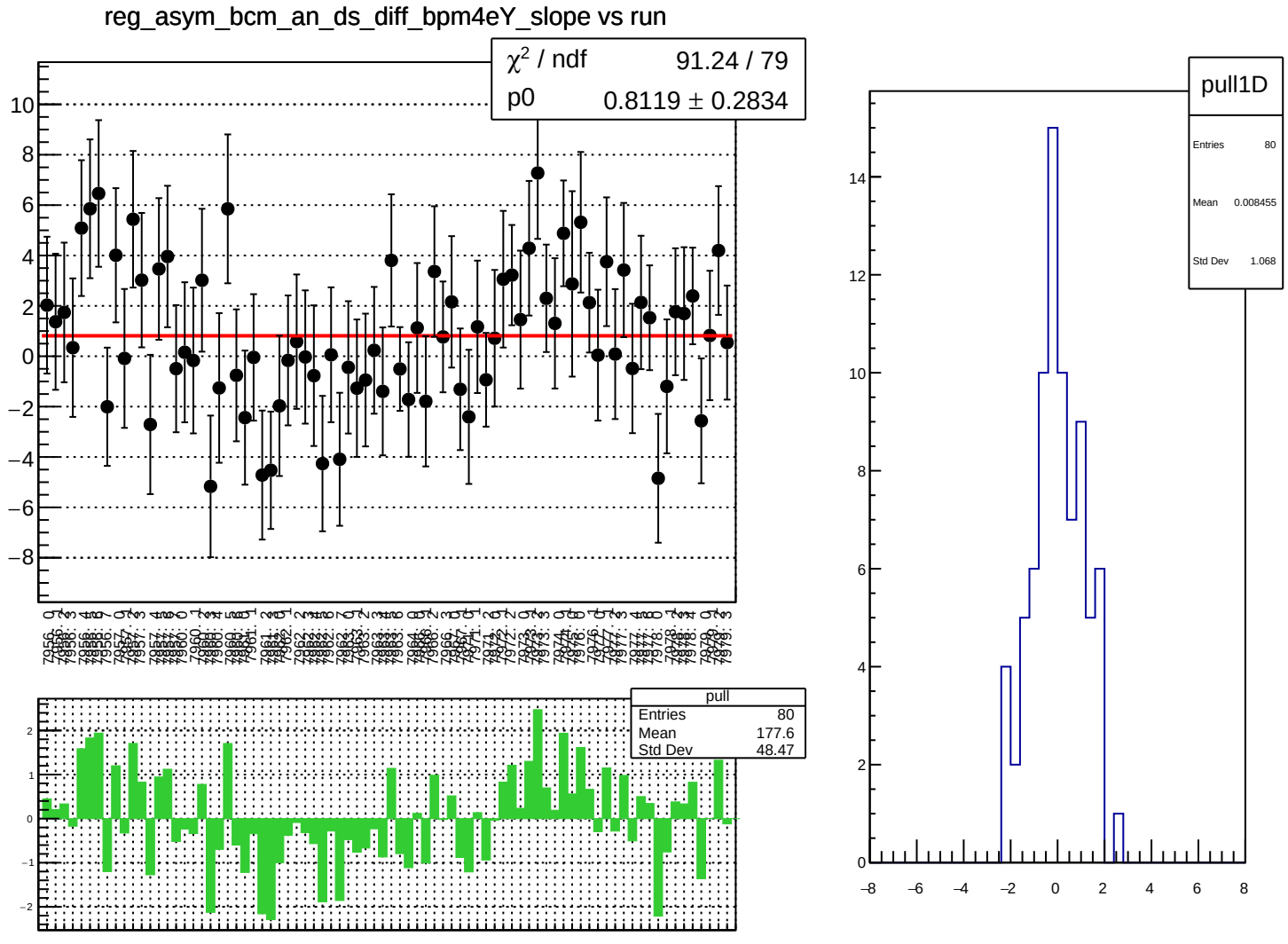

pull1D
Entries 80
Mean −0.05483
Std Dev 1.353

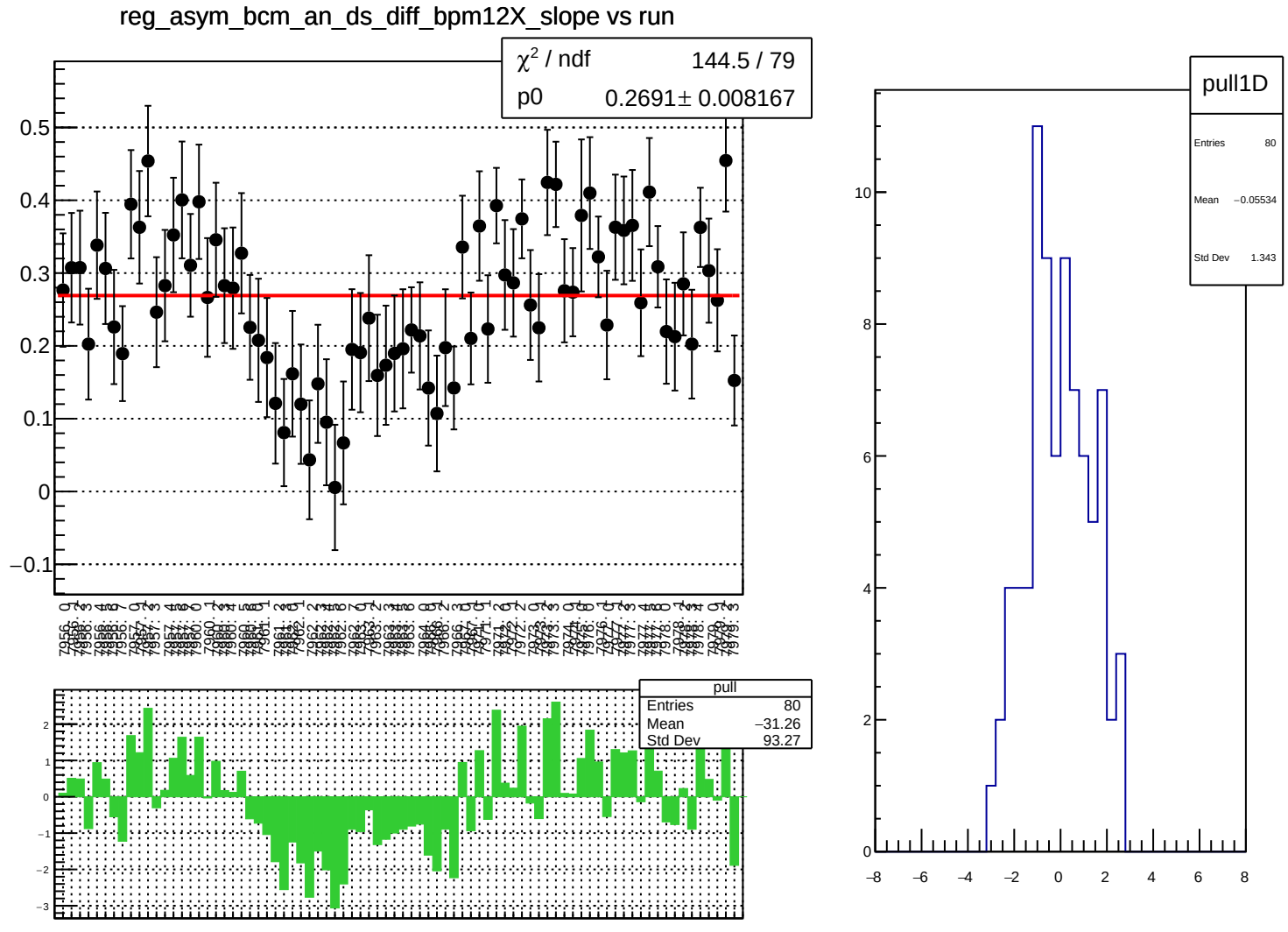

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 312.9 / 79
p0 7.054 ± 0.2389
pull
Entries 80
Mean −118.6
Std Dev 118.3

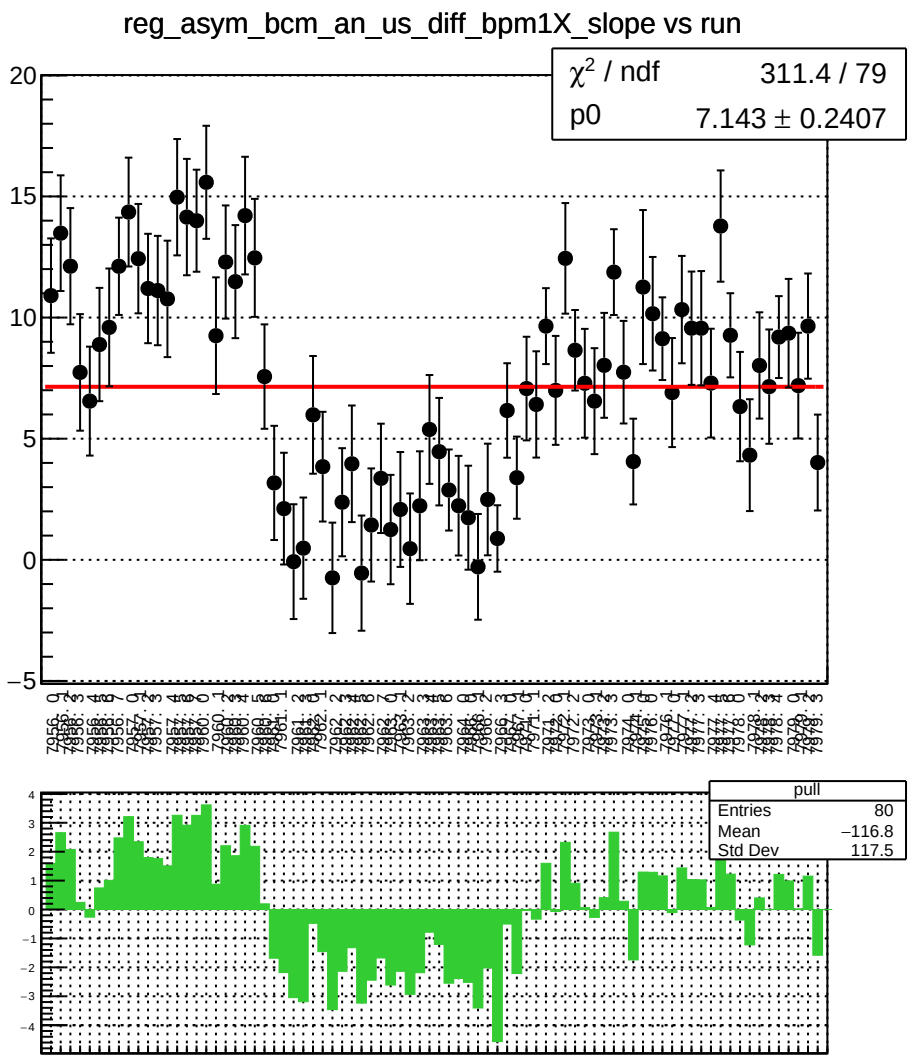

pull1D
Entries 80
Mean 0.04719
Std Dev 1.977

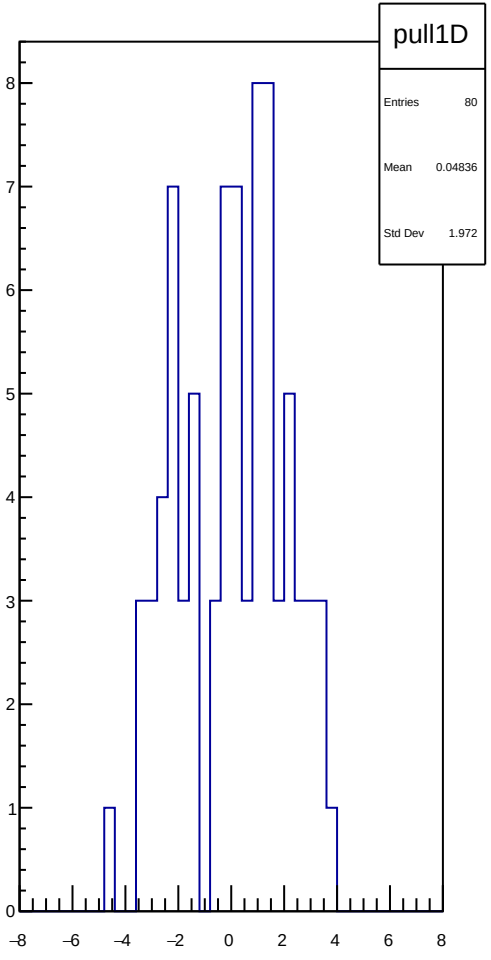

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 91.87 / 79
p0 −1.462 ± 0.2476
pull
Entries 80
Mean −168.9
Std Dev 180.4
pull1D
Entries 80
Mean −0.01115
Std Dev 1.072

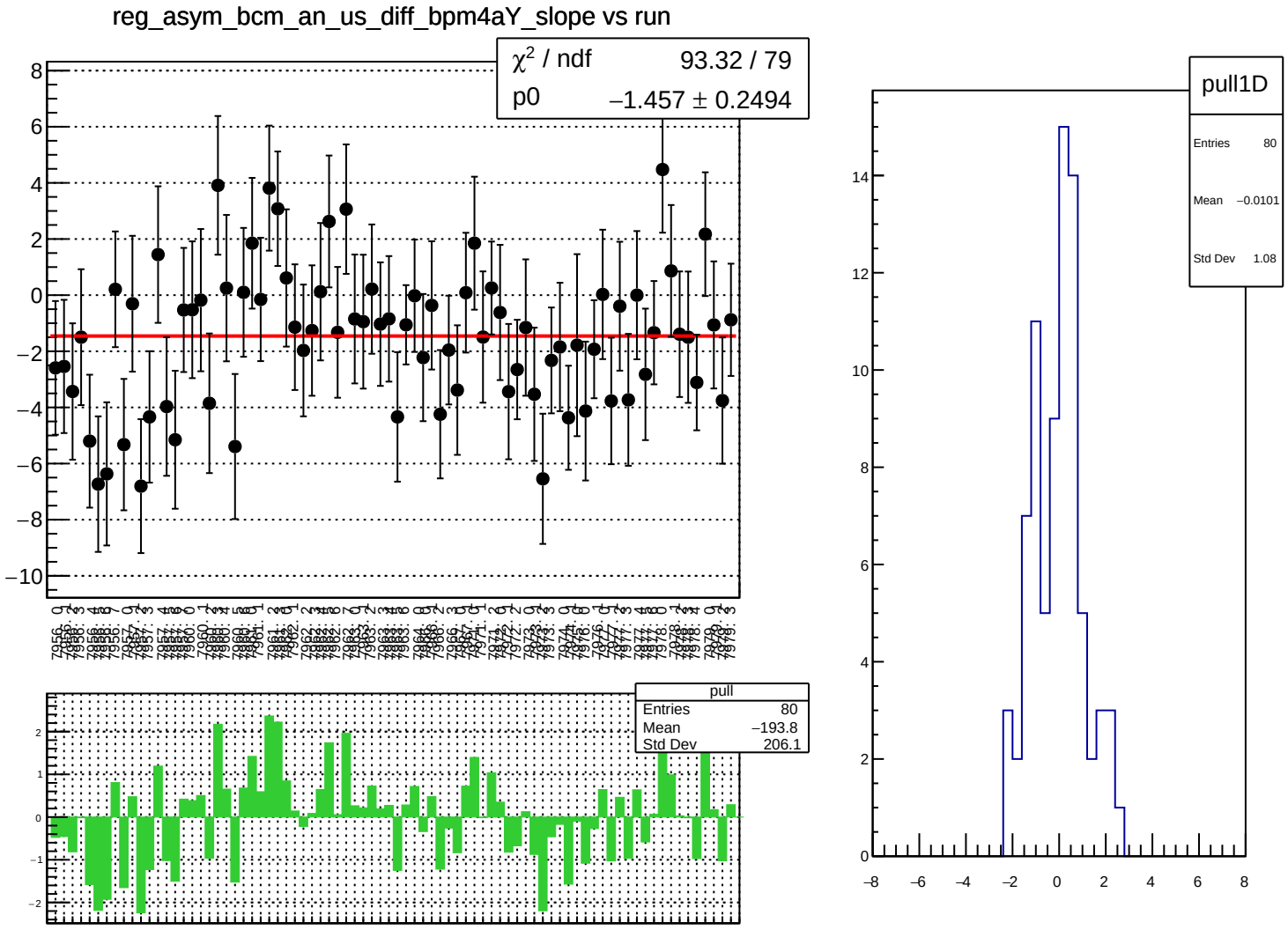

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 334.9 / 79
p0 −6.076 ± 0.2117
pull
Entries 80
Mean −42.6
Std Dev 22.19
pull1D
Entries 80
Mean −0.09081
Std Dev 2.044

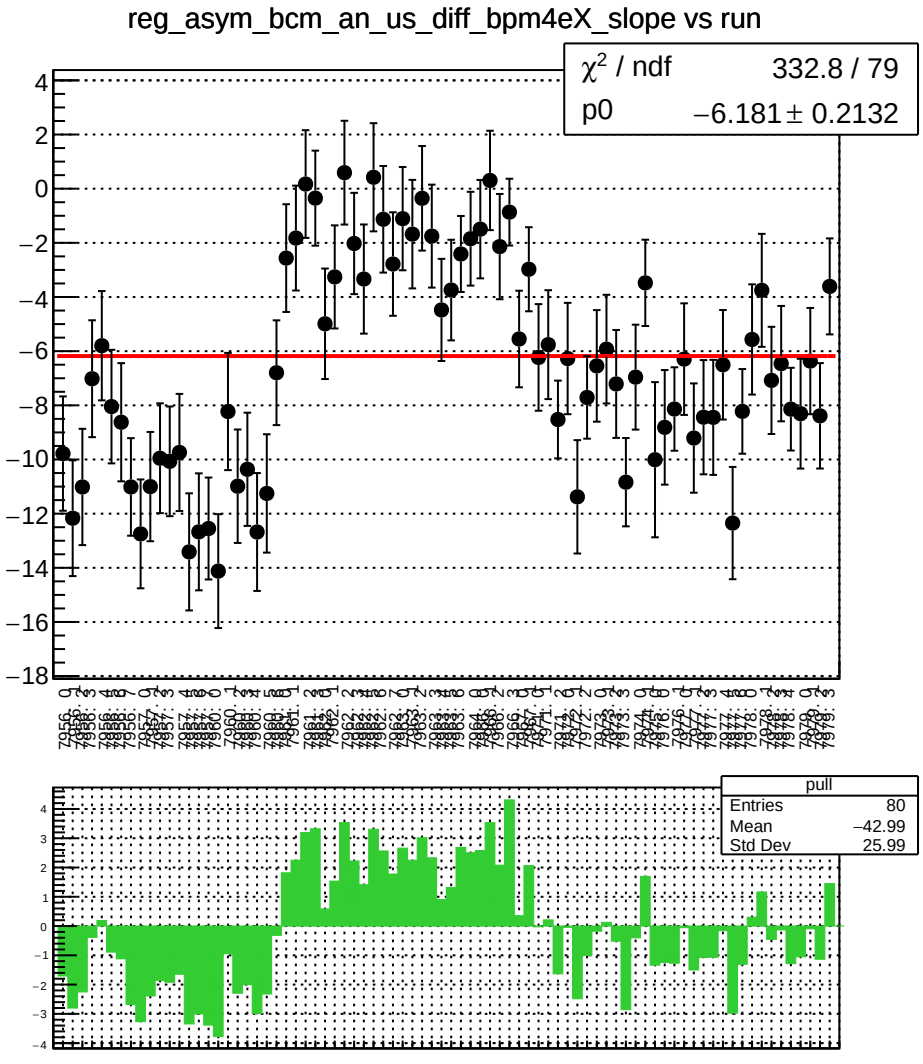

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 91.24 / 79
p0 0.8119 ± 0.2834
pull
Entries 80
Mean 177.6
Std Dev 48.47
pull1D
Entries 80
Mean 0.008455
Std Dev 1.068

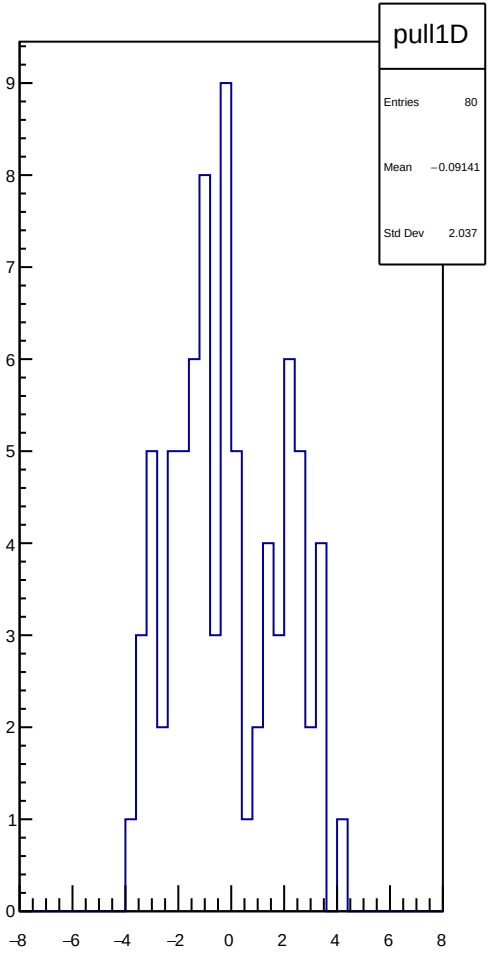

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 144.5 / 79
p0 0.2691± 0.008167
pull
Entries 80
Mean −31.26
Std Dev 93.27
pull1D
Entries 80
Mean −0.05534
Std Dev 1.343

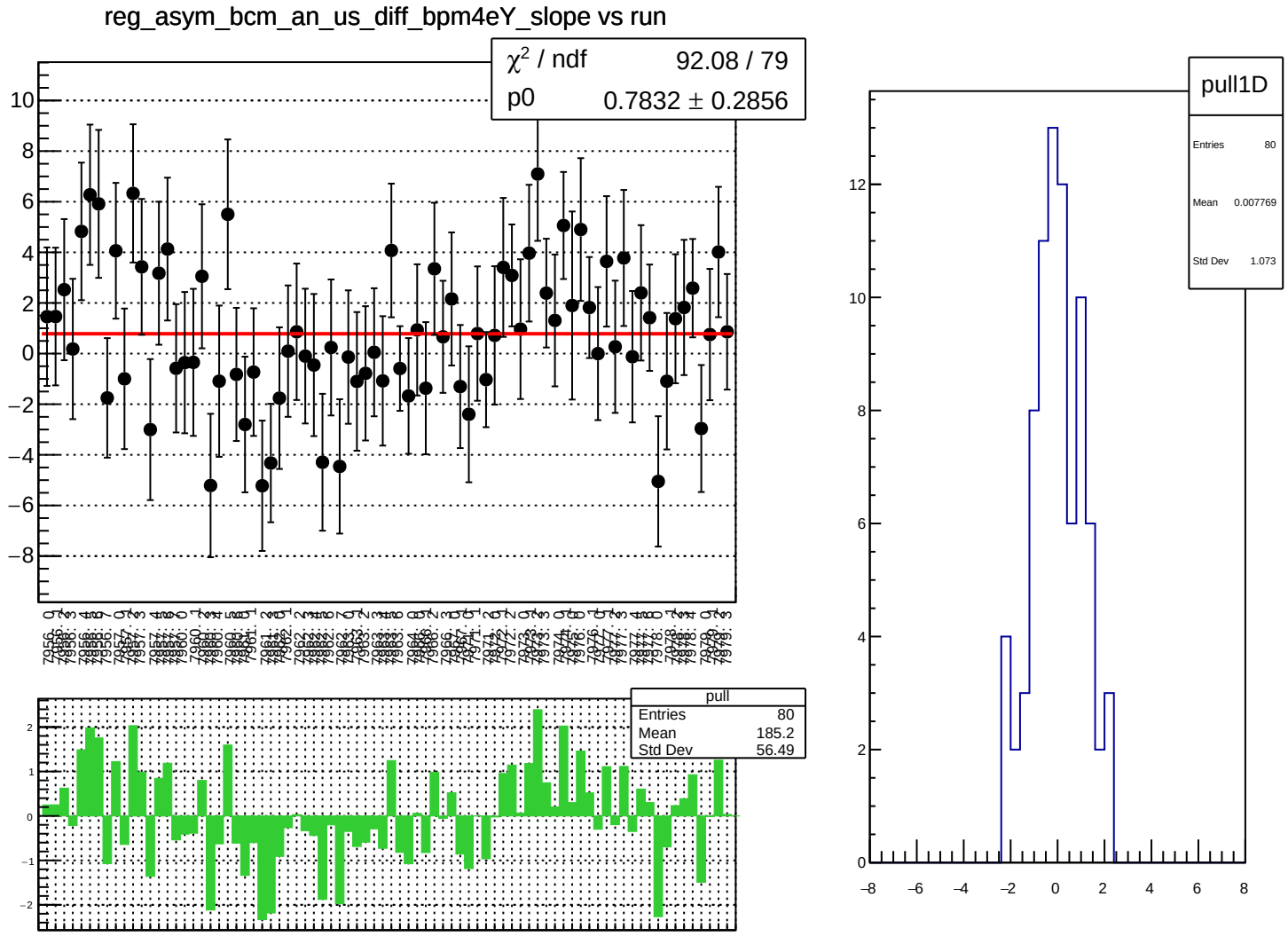

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 311.4 / 79
p0 7.143 ± 0.2407
pull
Entries 80
Mean −116.8
Std Dev 117.5

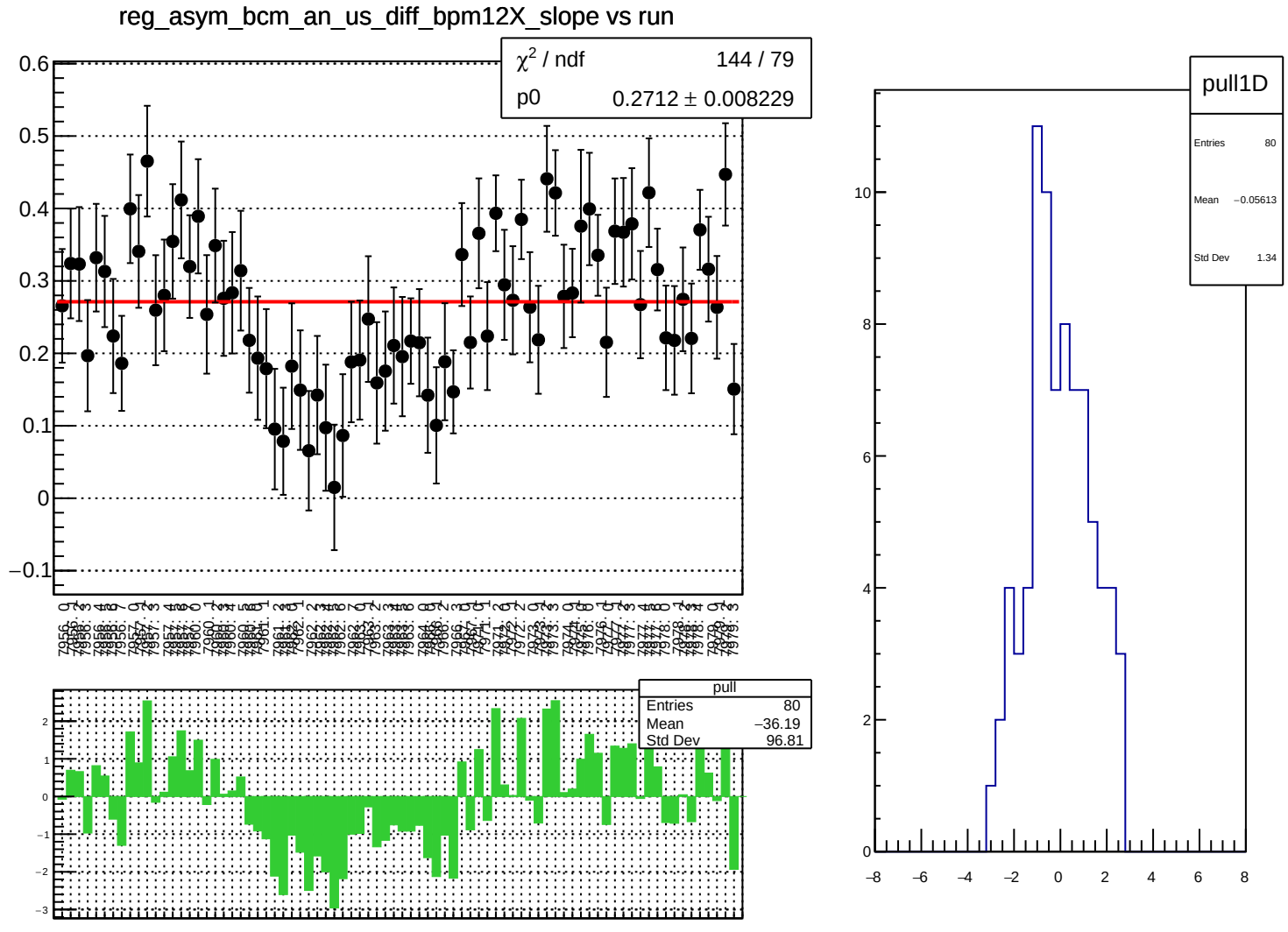

pull1D
Entries 80
Mean 0.04836
Std Dev 1.972

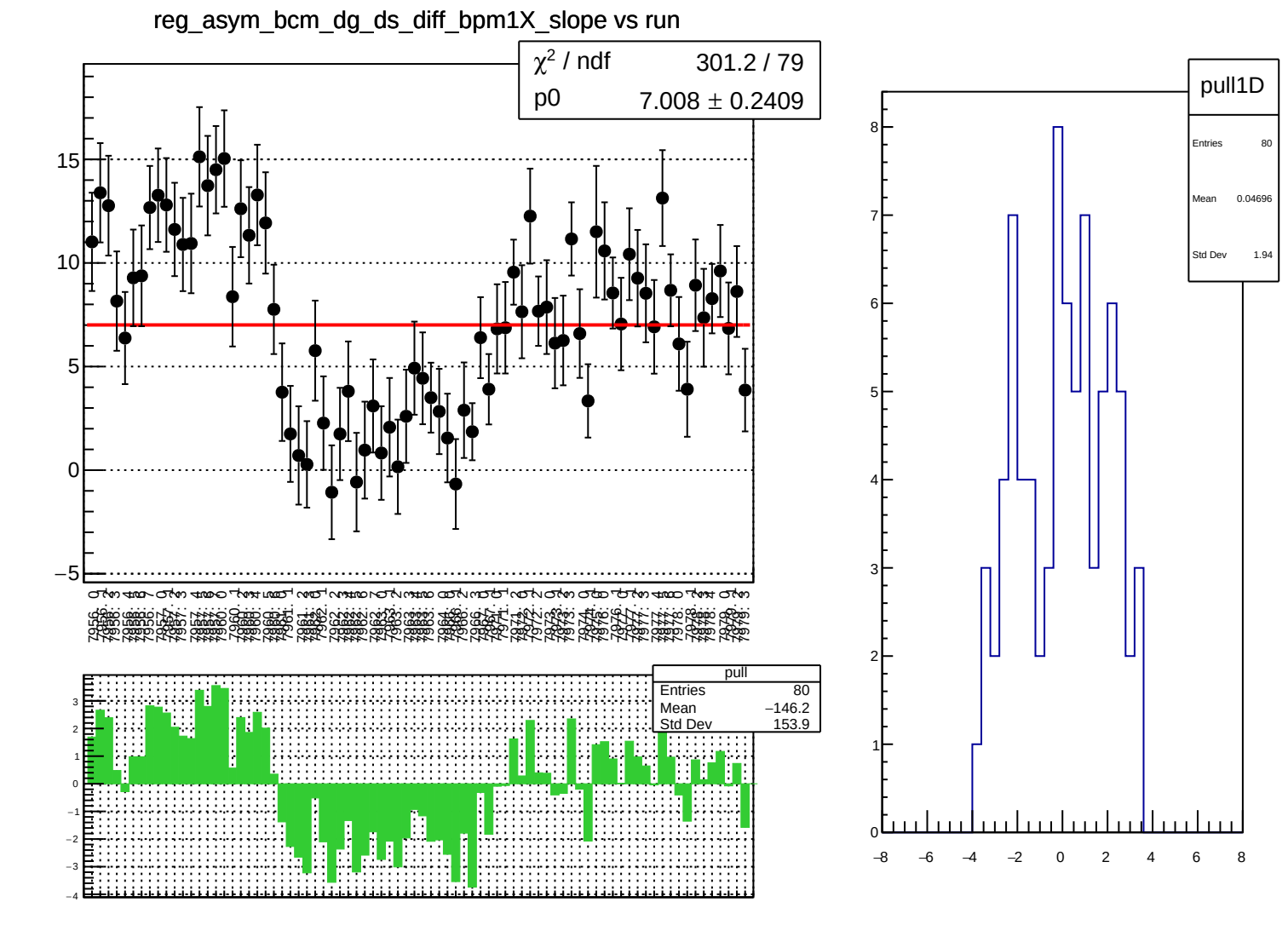

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 93.32 / 79
p0 −1.457 ± 0.2494
pull
Entries 80
Mean −193.8
Std Dev 206.1
pull1D
Entries 80
Mean −0.0101
Std Dev 1.08

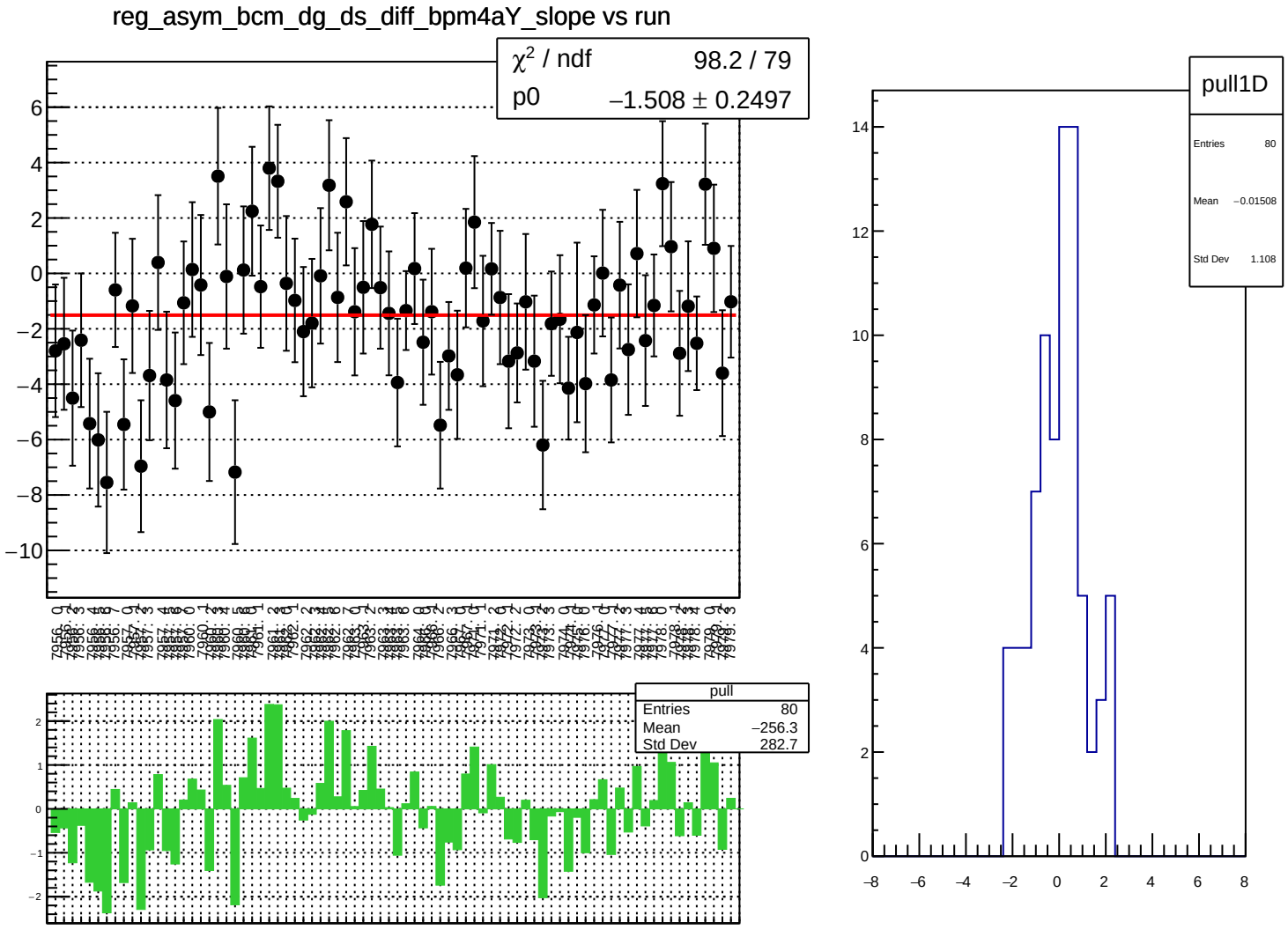

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 332.8 / 79
p0 −6.181 ± 0.2132
pull
Entries 80
Mean −42.99
Std Dev 25.99

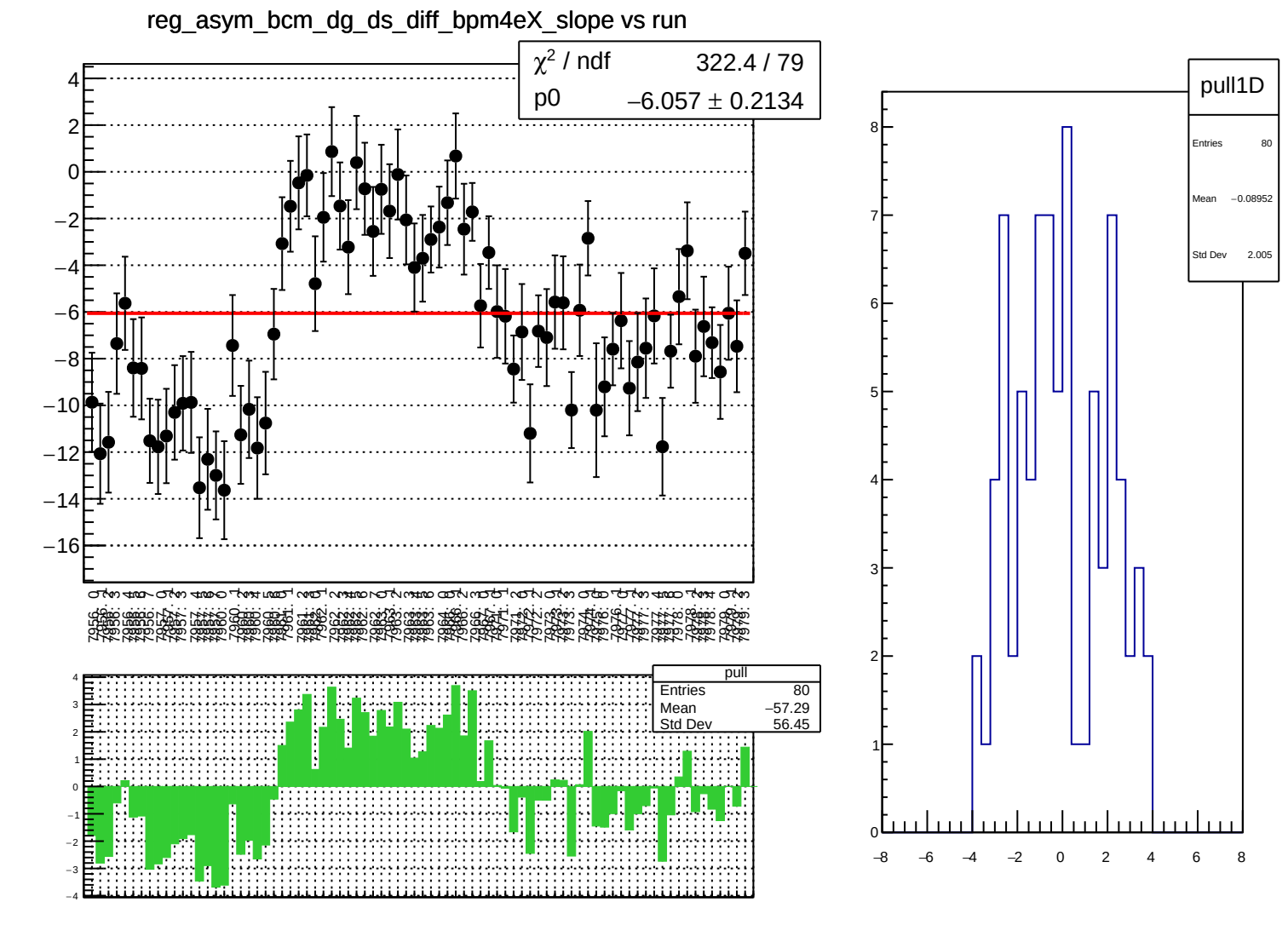

pull1D
Entries 80
Mean −0.09141
Std Dev 2.037

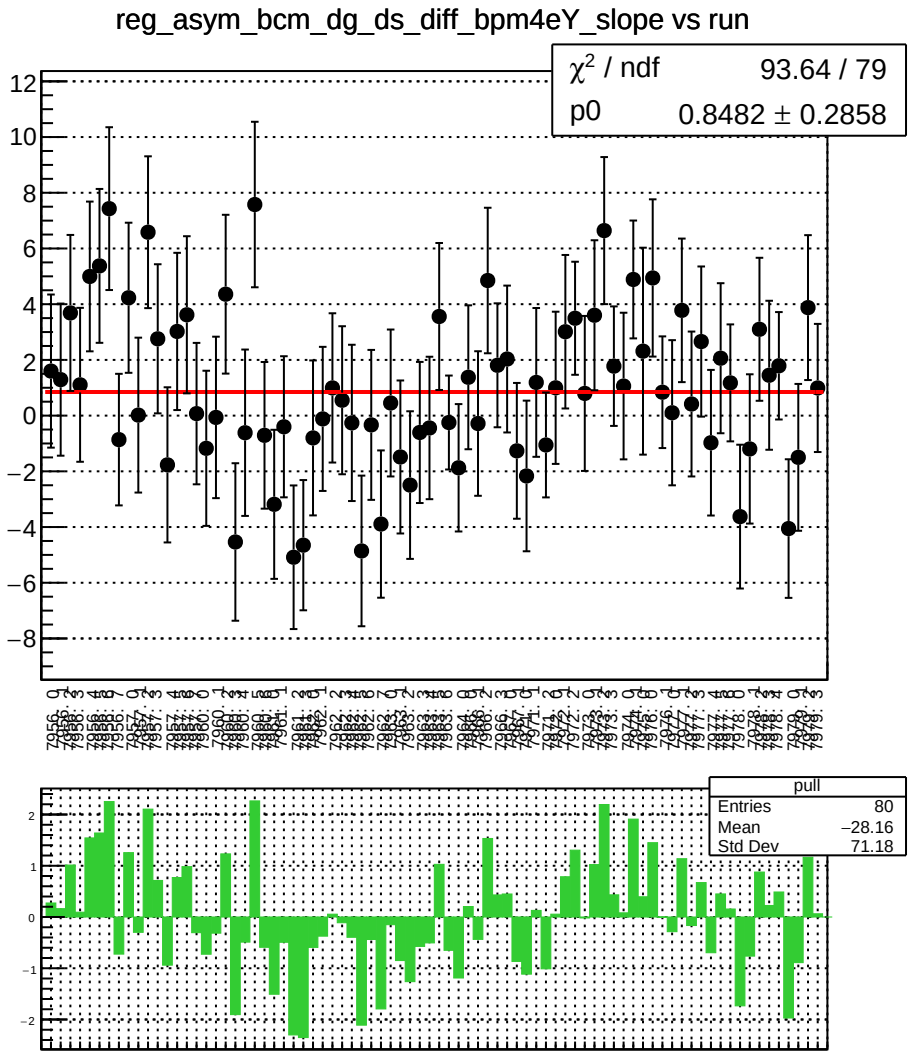

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 92.08 / 79
p0 0.7832 ± 0.2856
pull
Entries 80
Mean 185.2
Std Dev 56.49
pull1D
Entries 80
Mean 0.007769
Std Dev 1.073

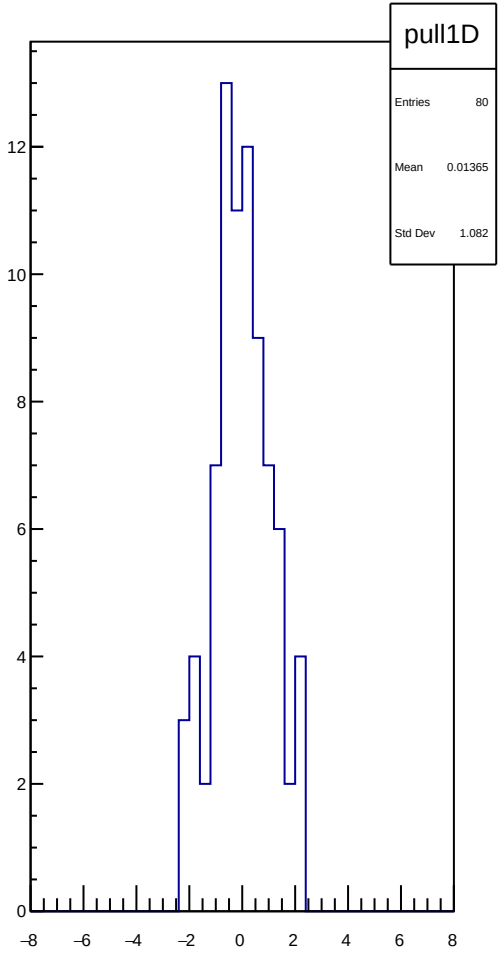

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 144 / 79
p0 0.2712 ± 0.008229
pull
Entries 80
Mean −36.19
Std Dev 96.81
pull1D
Entries 80
Mean −0.05613
Std Dev 1.34

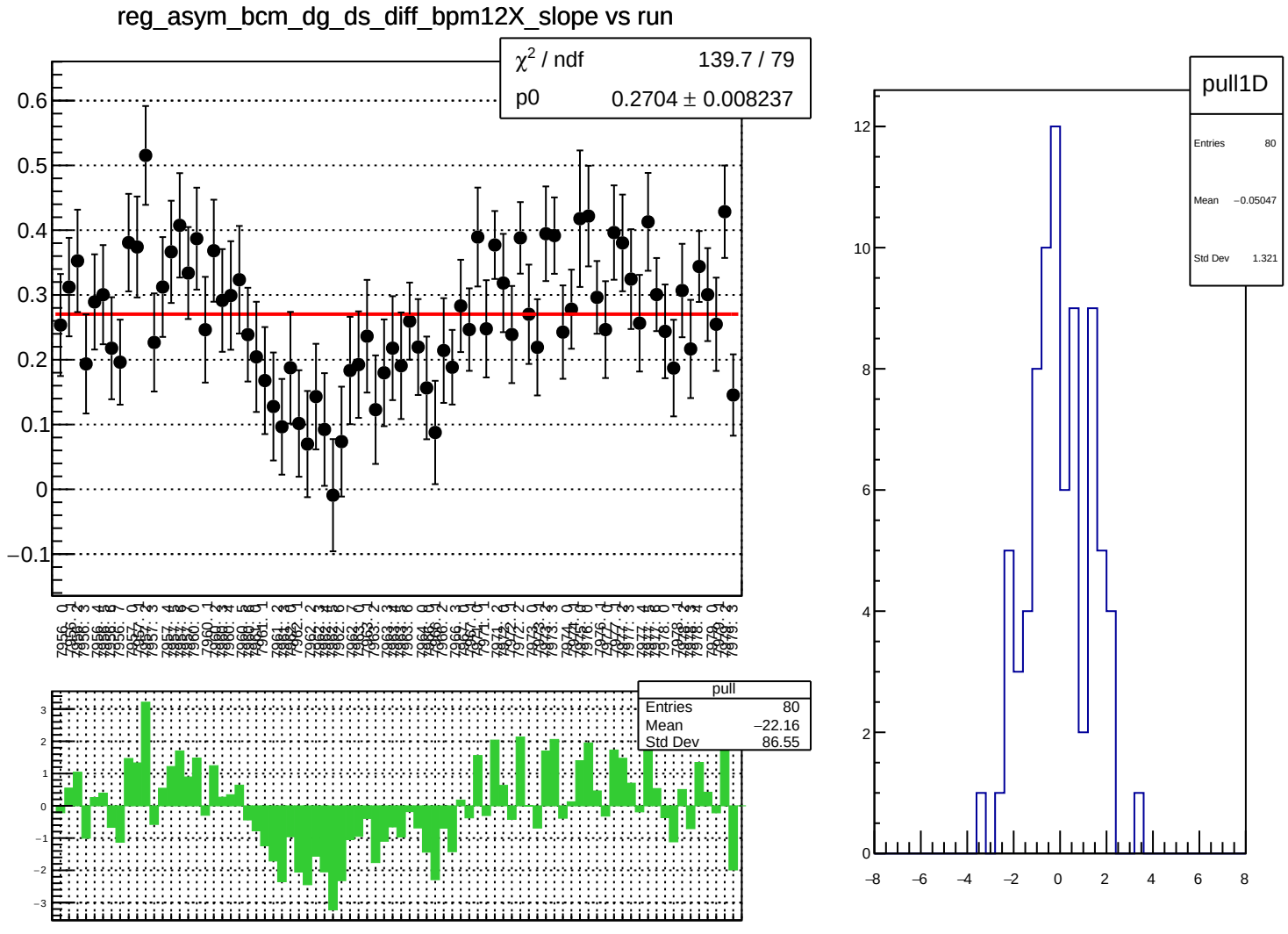

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 301.2 / 79
p0 7.008 ± 0.2409
pull
Entries 80
Mean −146.2
Std Dev 153.9
pull1D
Entries 80
Mean 0.04696
Std Dev 1.94

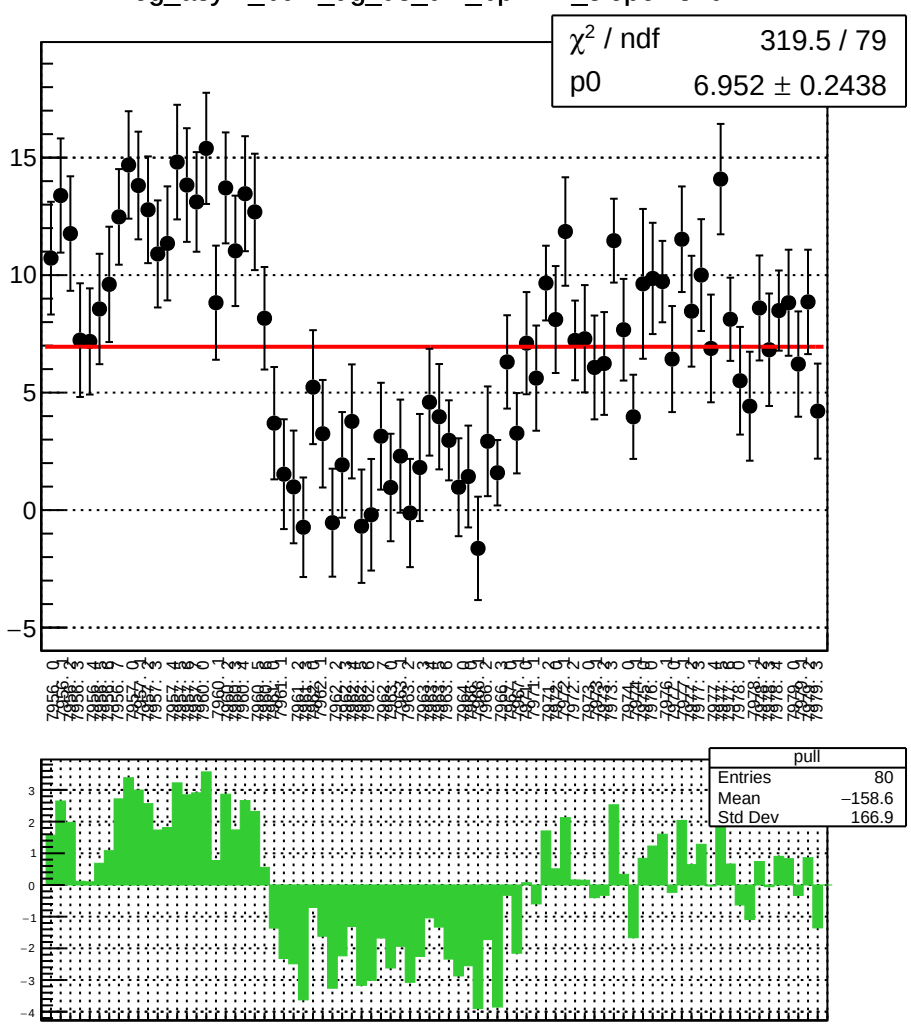

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 98.2 / 79
p0 −1.508 ± 0.2497
pull
Entries 80
Mean −256.3
Std Dev 282.7
pull1D
Entries 80
Mean −0.01508
Std Dev 1.108

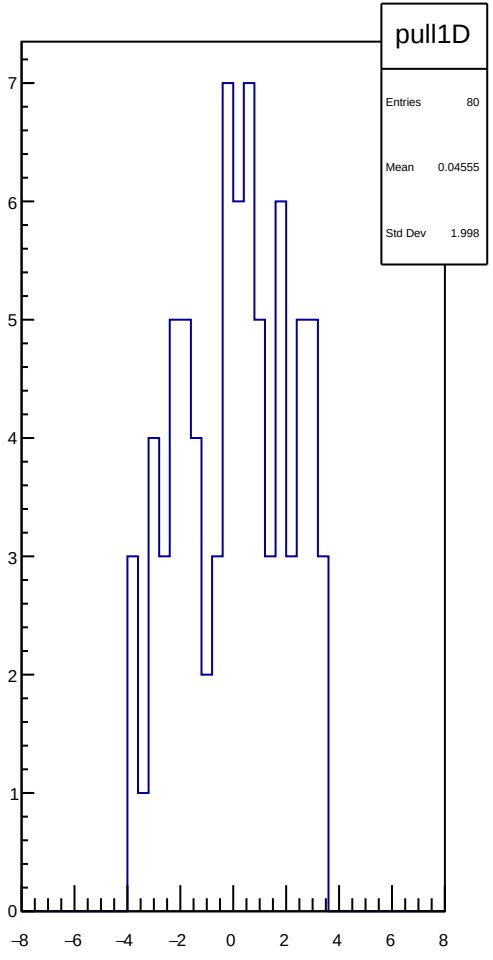

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 322.4 / 79
p0 −6.057 ± 0.2134
pull
Entries 80
Mean −57.29
Std Dev 56.45
pull1D
Entries 80
Mean −0.08952
Std Dev 2.005

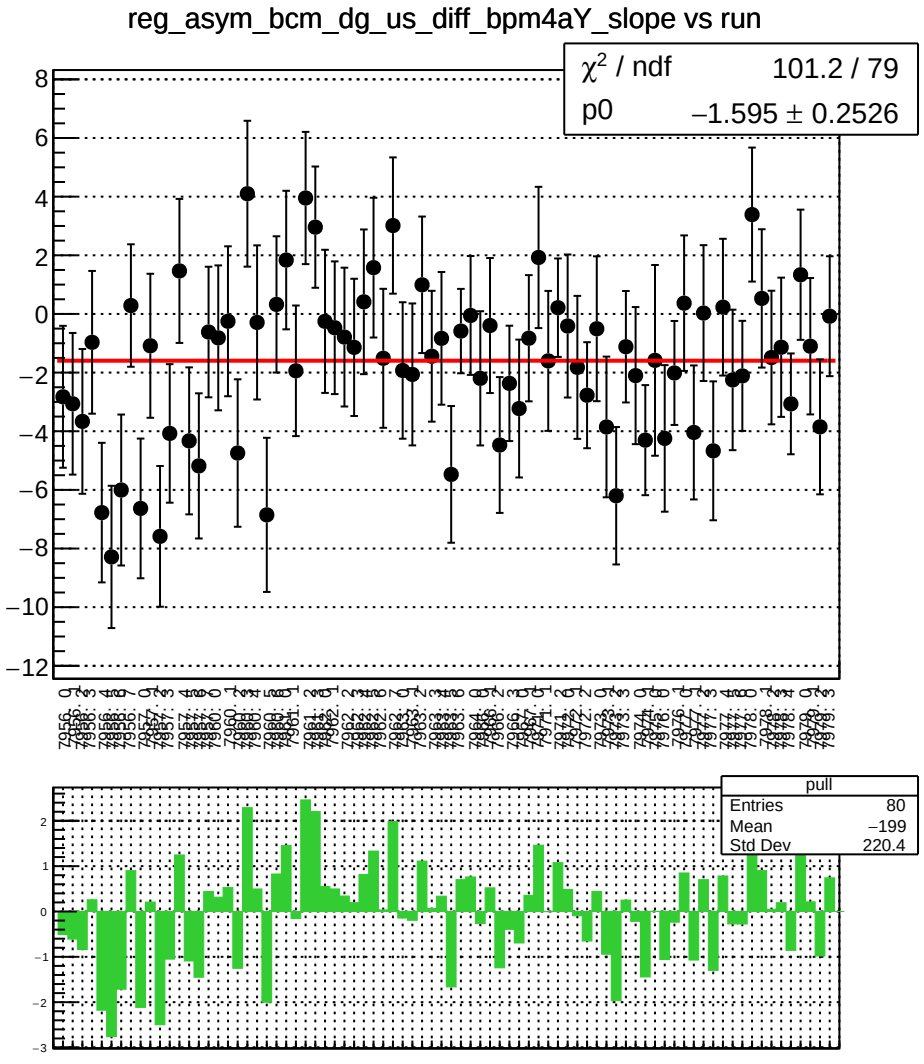

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 93.64 / 79
p0 0.8482 ± 0.2858
pull
Entries 80
Mean −28.16
Std Dev 71.18

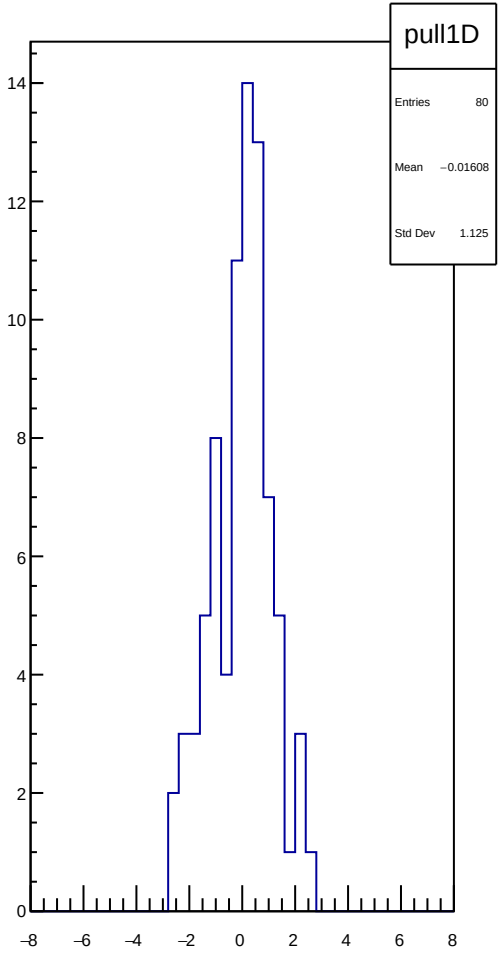

pull1D
Entries 80
Mean 0.01365
Std Dev 1.082

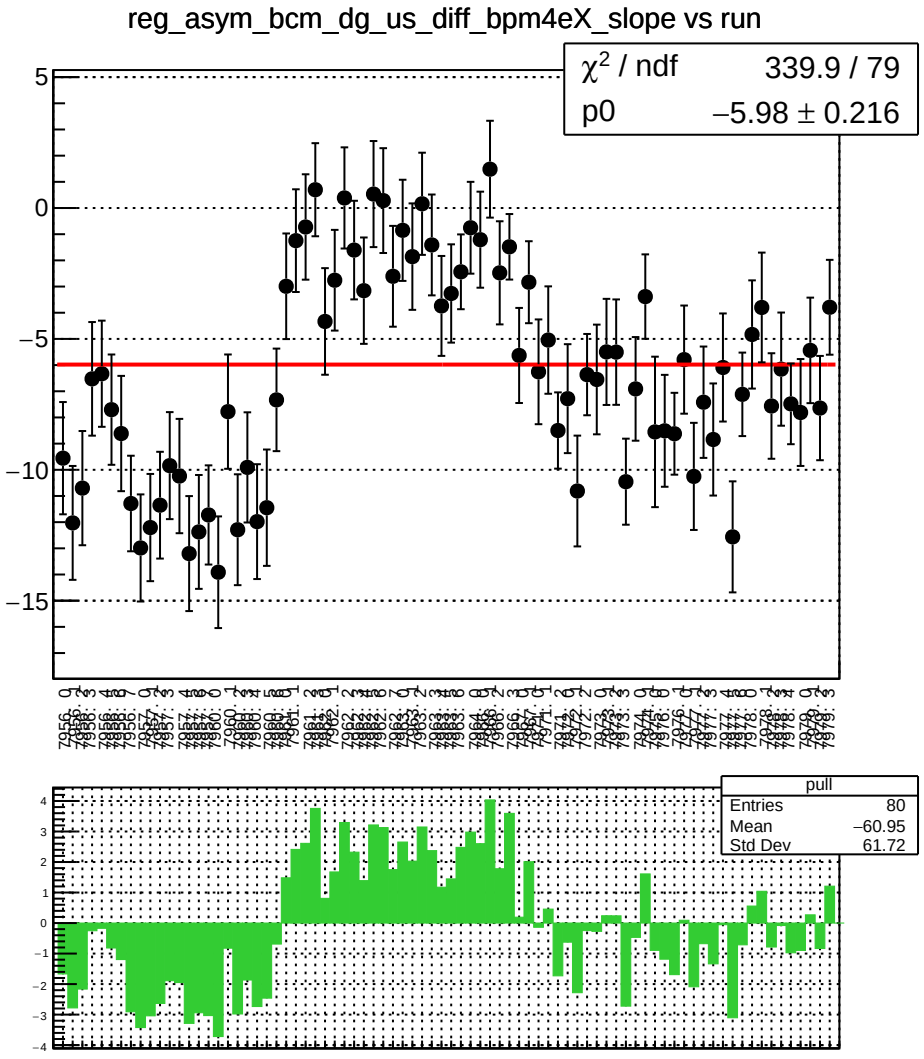

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 139.7 / 79
p0 0.2704 ± 0.008237
pull
Entries 80
Mean −22.16
Std Dev 86.55
pull1D
Entries 80
Mean −0.05047
Std Dev 1.321

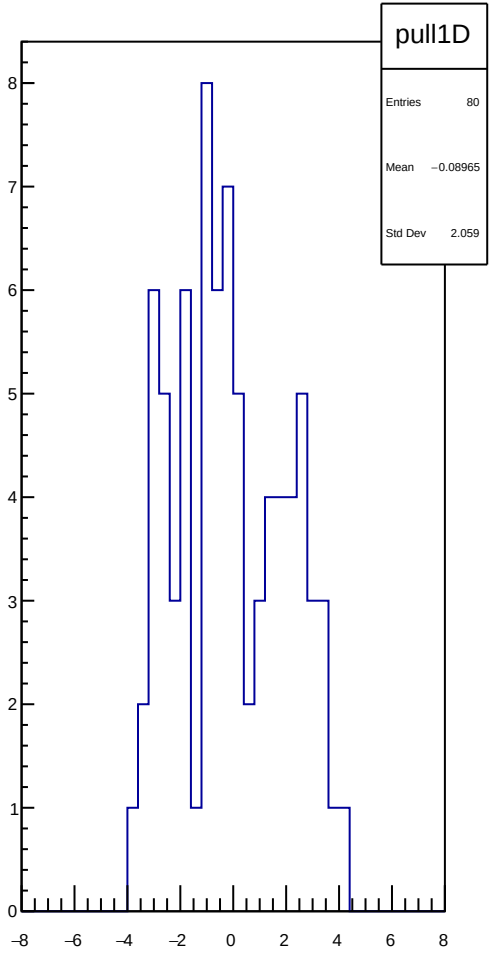

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 319.5 / 79
p0 6.952 ± 0.2438
pull
Entries 80
Mean −158.6
Std Dev 166.9

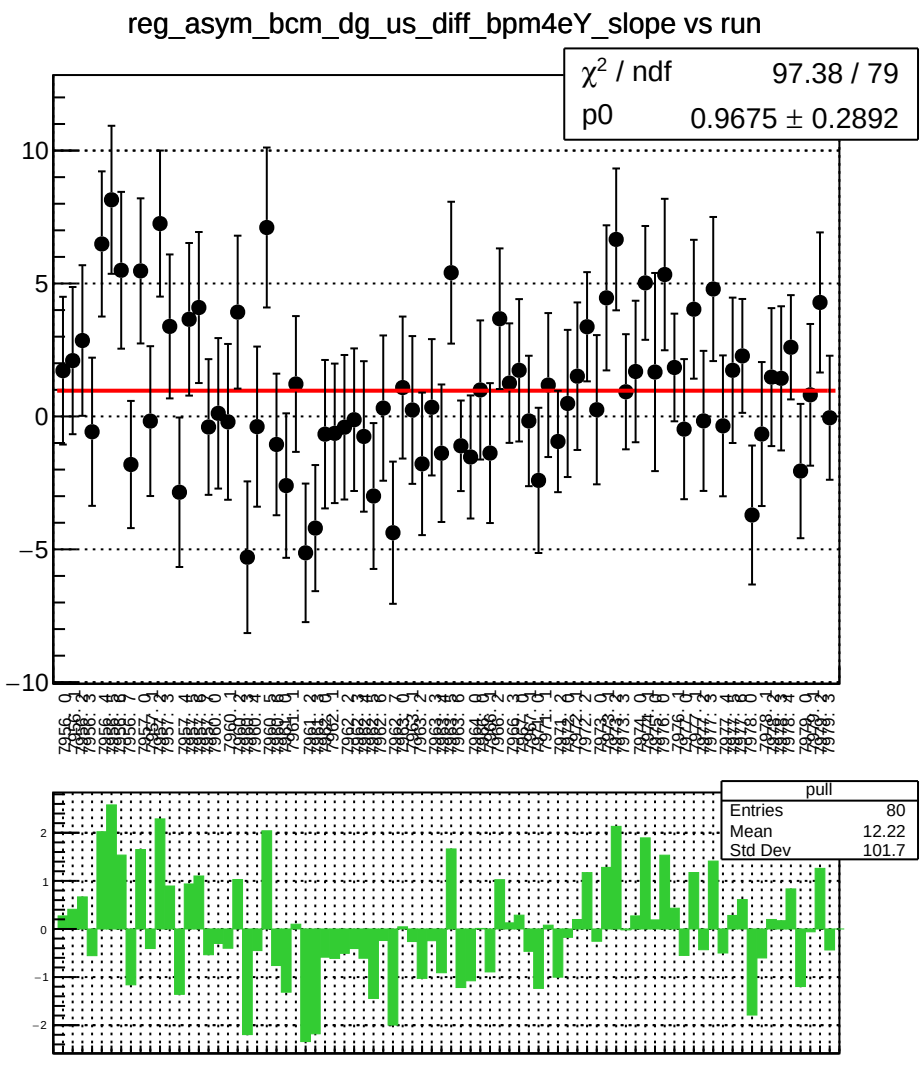

pull1D
Entries 80
Mean 0.04555
Std Dev 1.998

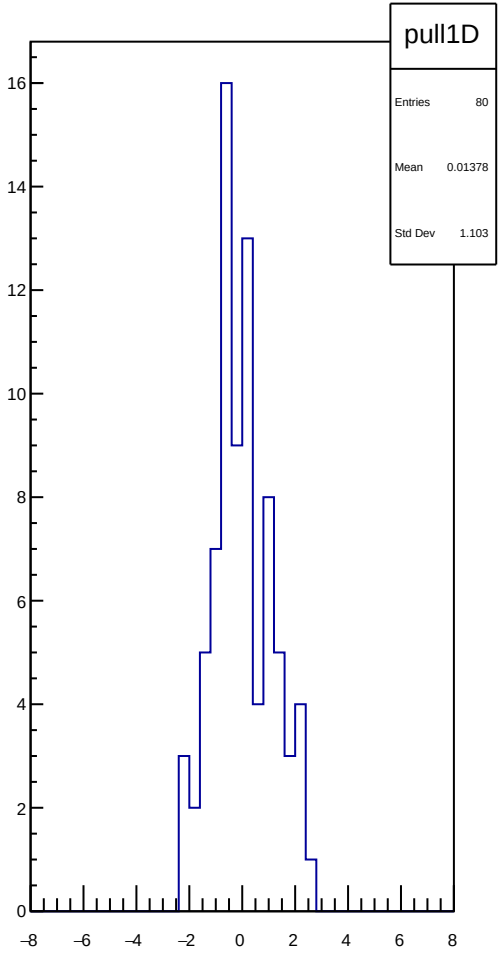

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 101.2 / 79
p0 −1.595 ± 0.2526
pull
Entries 80
Mean −199
Std Dev 220.4

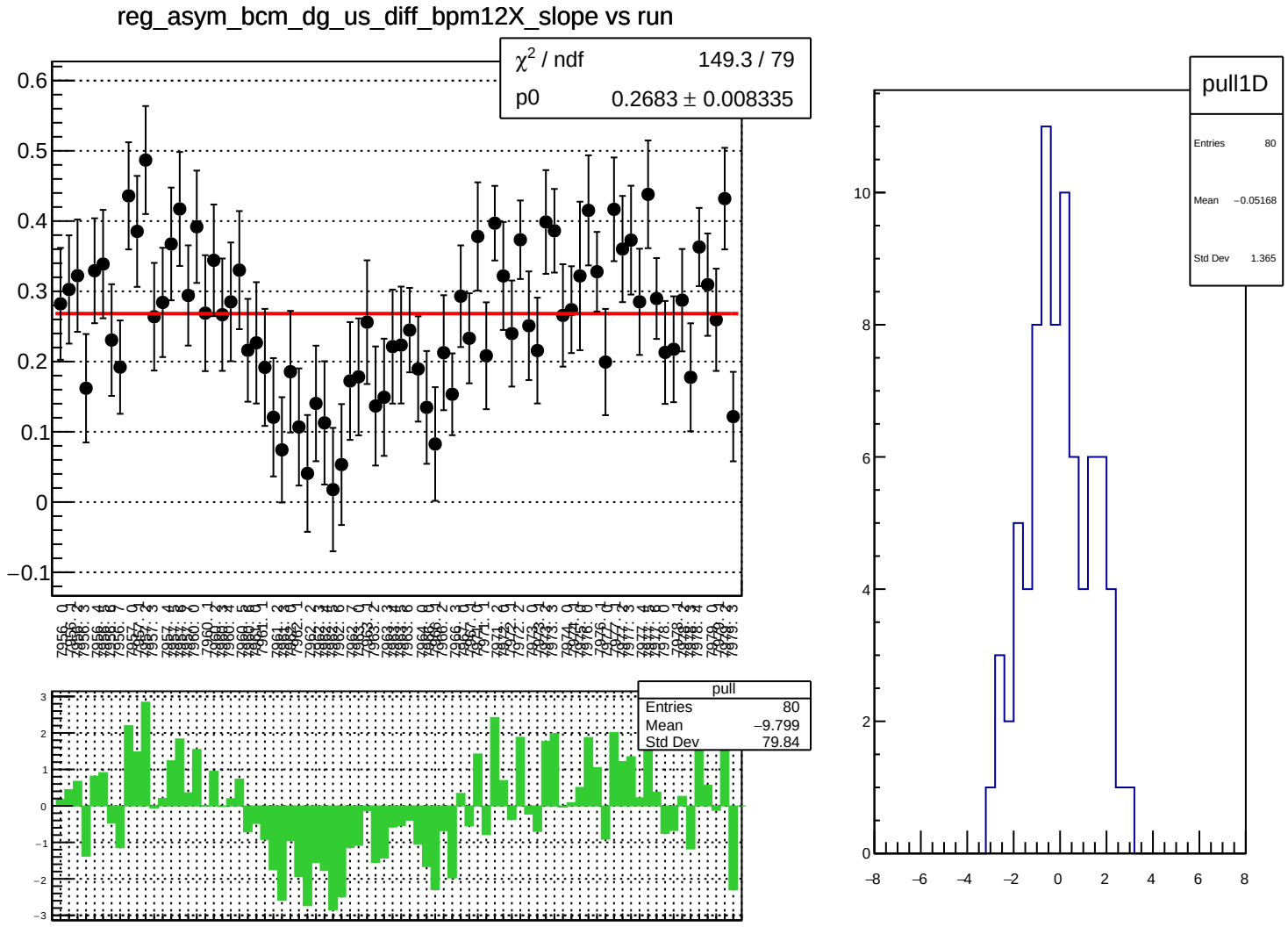

pull1D
Entries 80
Mean −0.01608
Std Dev 1.125


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 339.9 / 79
p0 −5.98 ± 0.216
pull
Entries 80
Mean −60.95
Std Dev 61.72


pull1D
Entries 80
Mean −0.08965
Std Dev 2.059


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 97.38 / 79
p0 0.9675 ± 0.2892
pull
Entries 80
Mean 12.22
Std Dev 101.7


pull1D
Entries 80
Mean 0.01378
Std Dev 1.103


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 149.3 / 79
p0 0.2683 ± 0.008335
pull
Entries 80
Mean −9.799
Std Dev 79.84
pull1D
Entries 80
Mean −0.05168
Std Dev 1.365