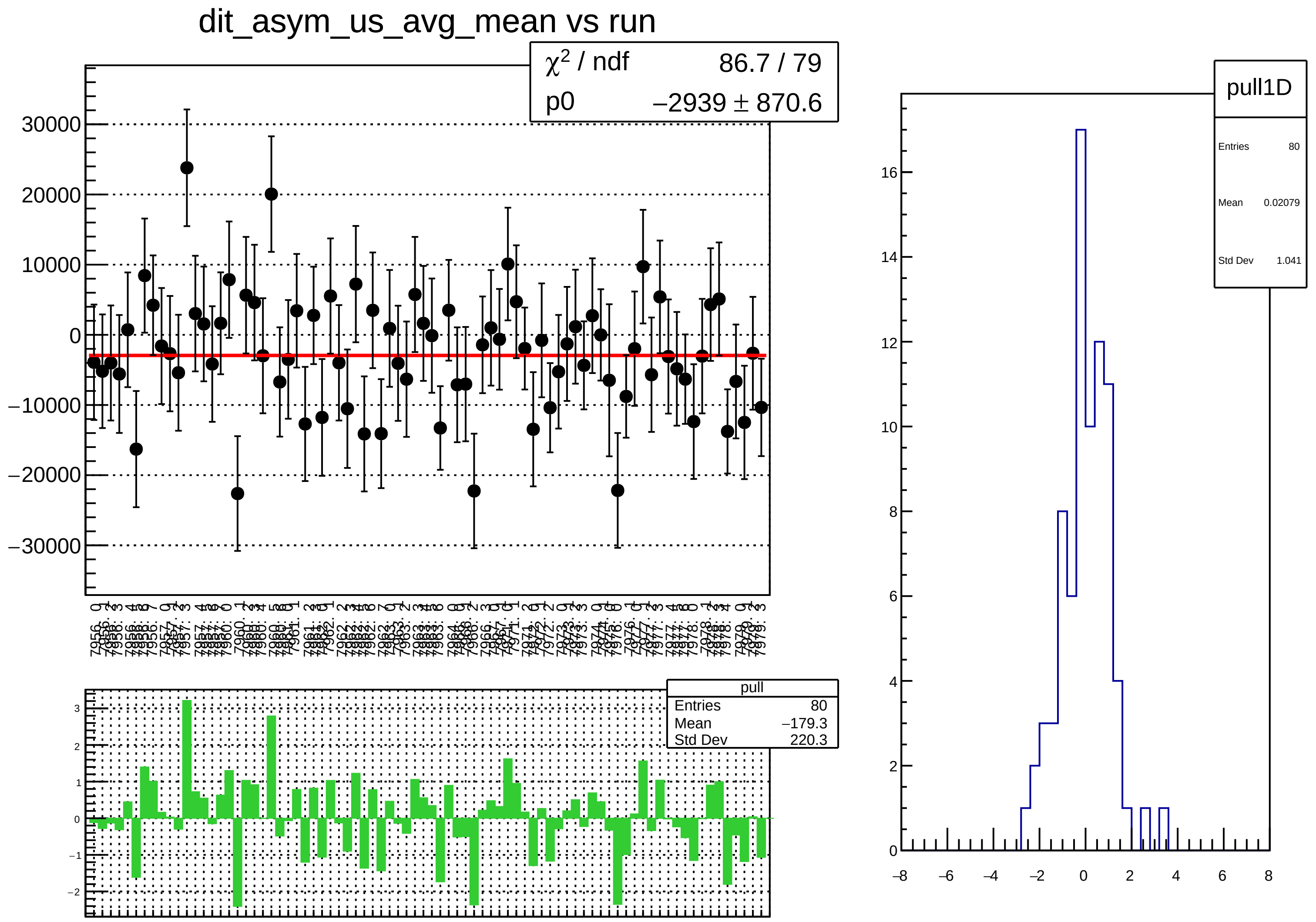
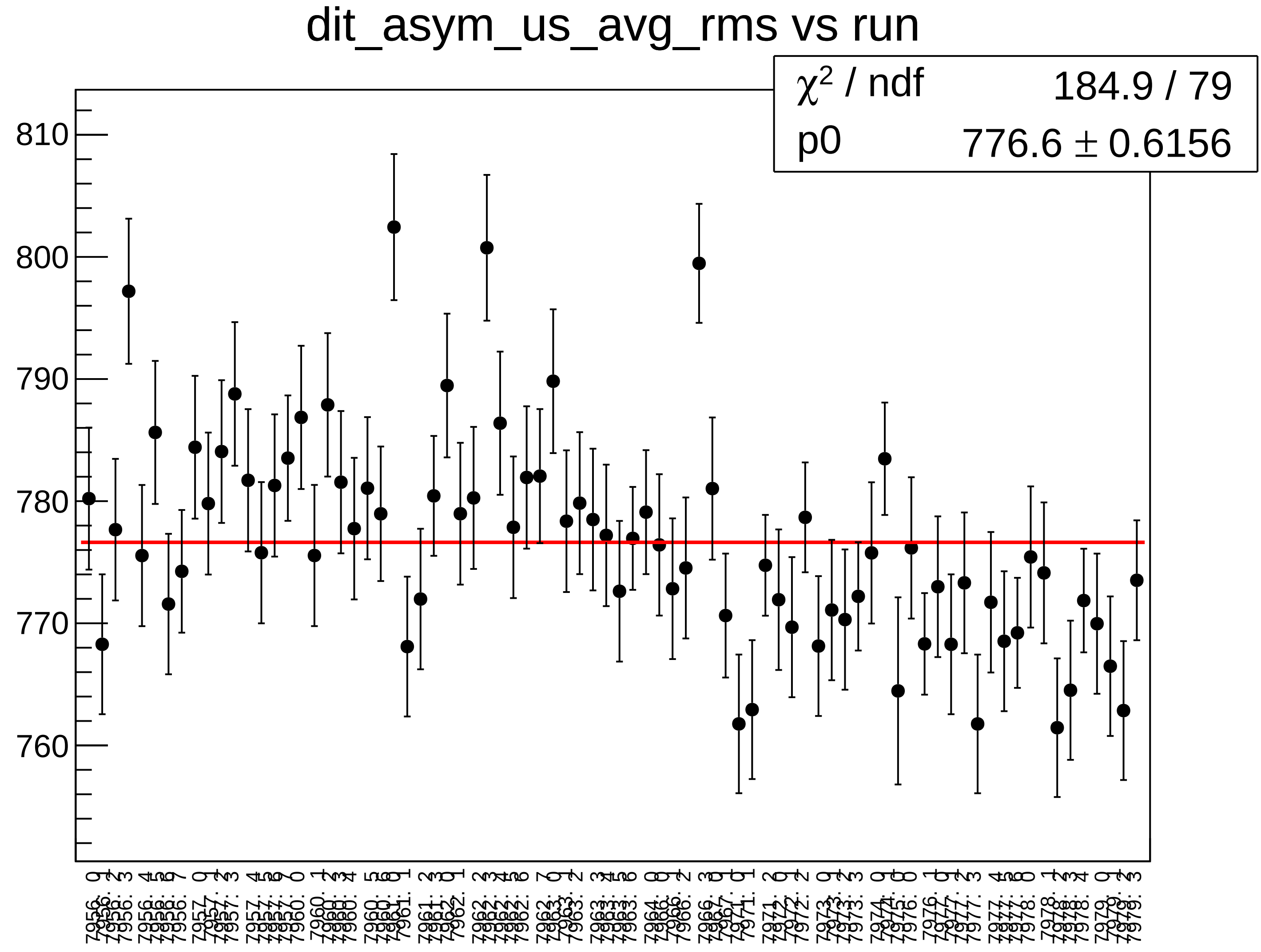
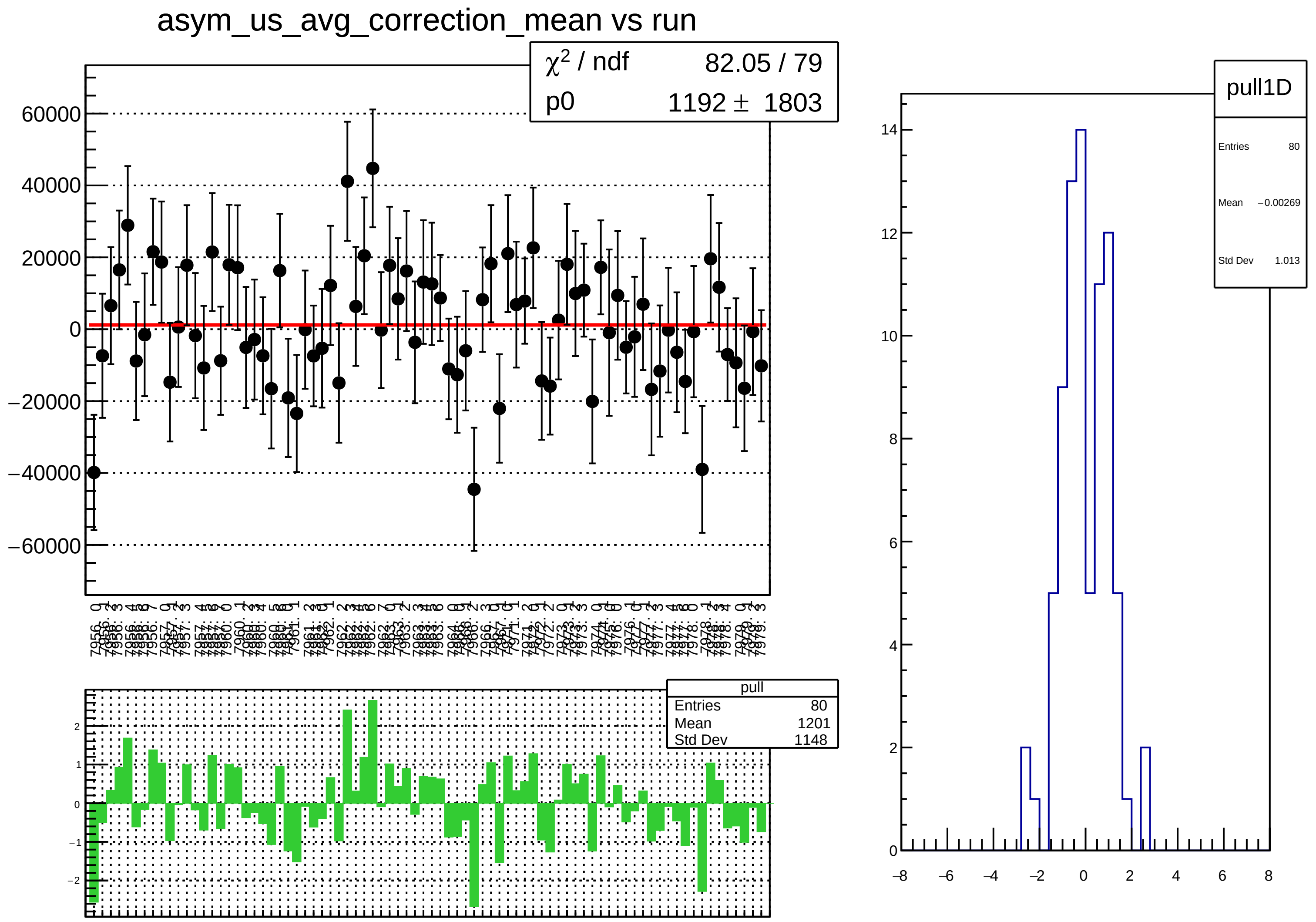
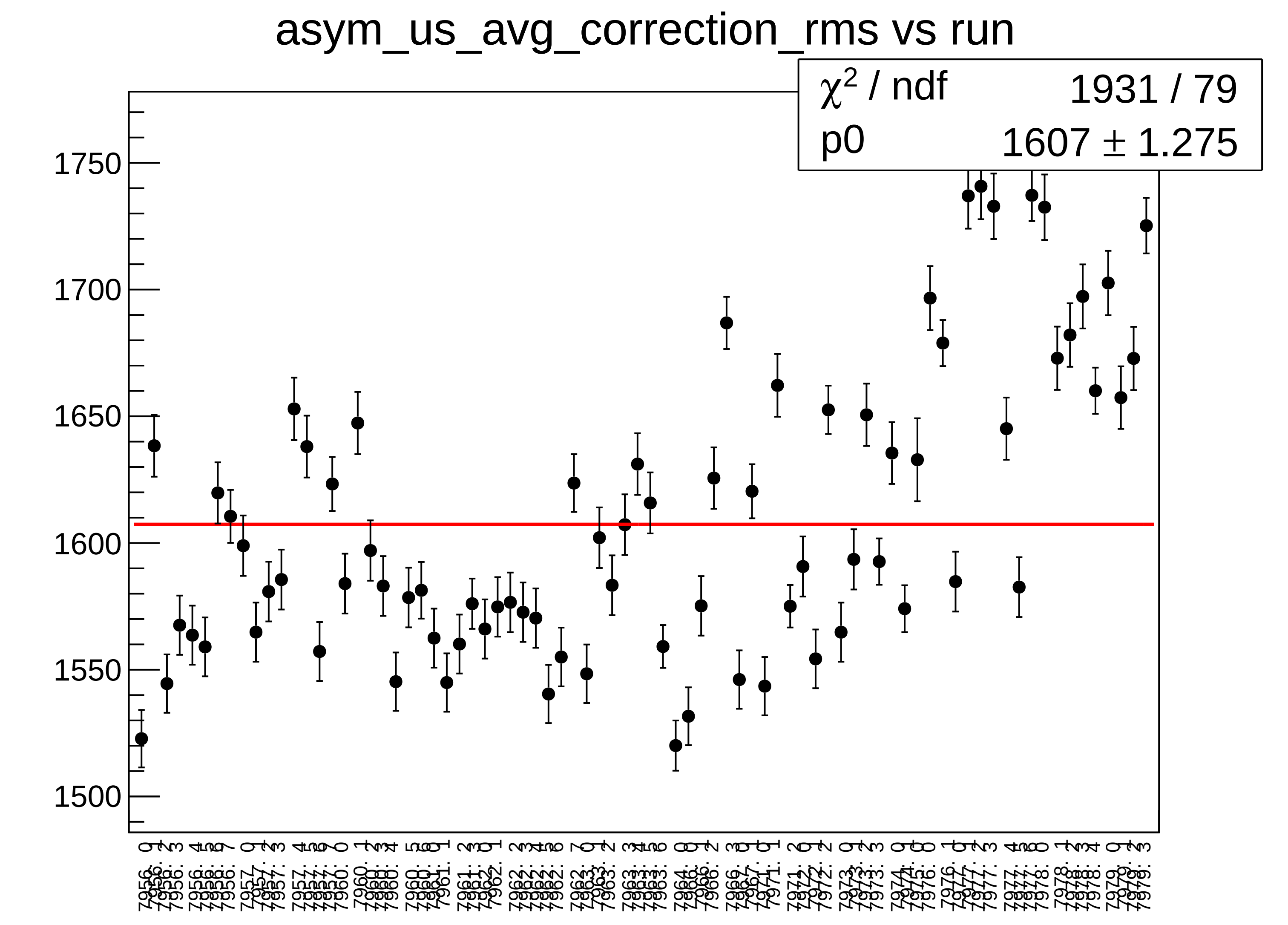


dit_asym_us_avg_mean vs run
χ^2 / ndf 86.7 / 79
p0 −2939 ± 870.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −179.3
Std Dev 220.3
pull1D
Entries 80
Mean 0.02079
Std Dev 1.041

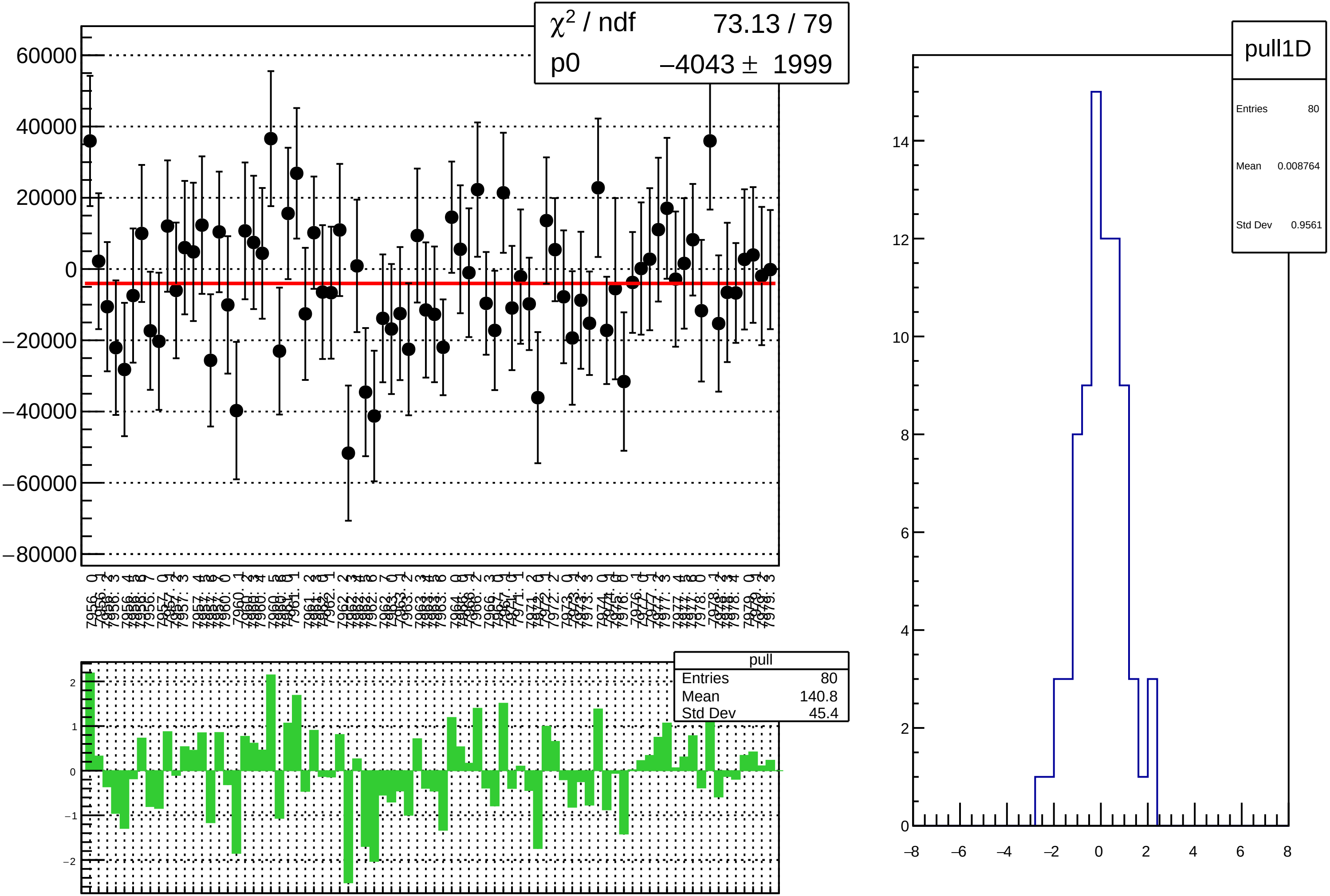

dit_asym_us_avg_rms vs run
χ2 / ndf 184.9 / 79
p0 776.6 ± 0.6156
810
800
790
780
770
760

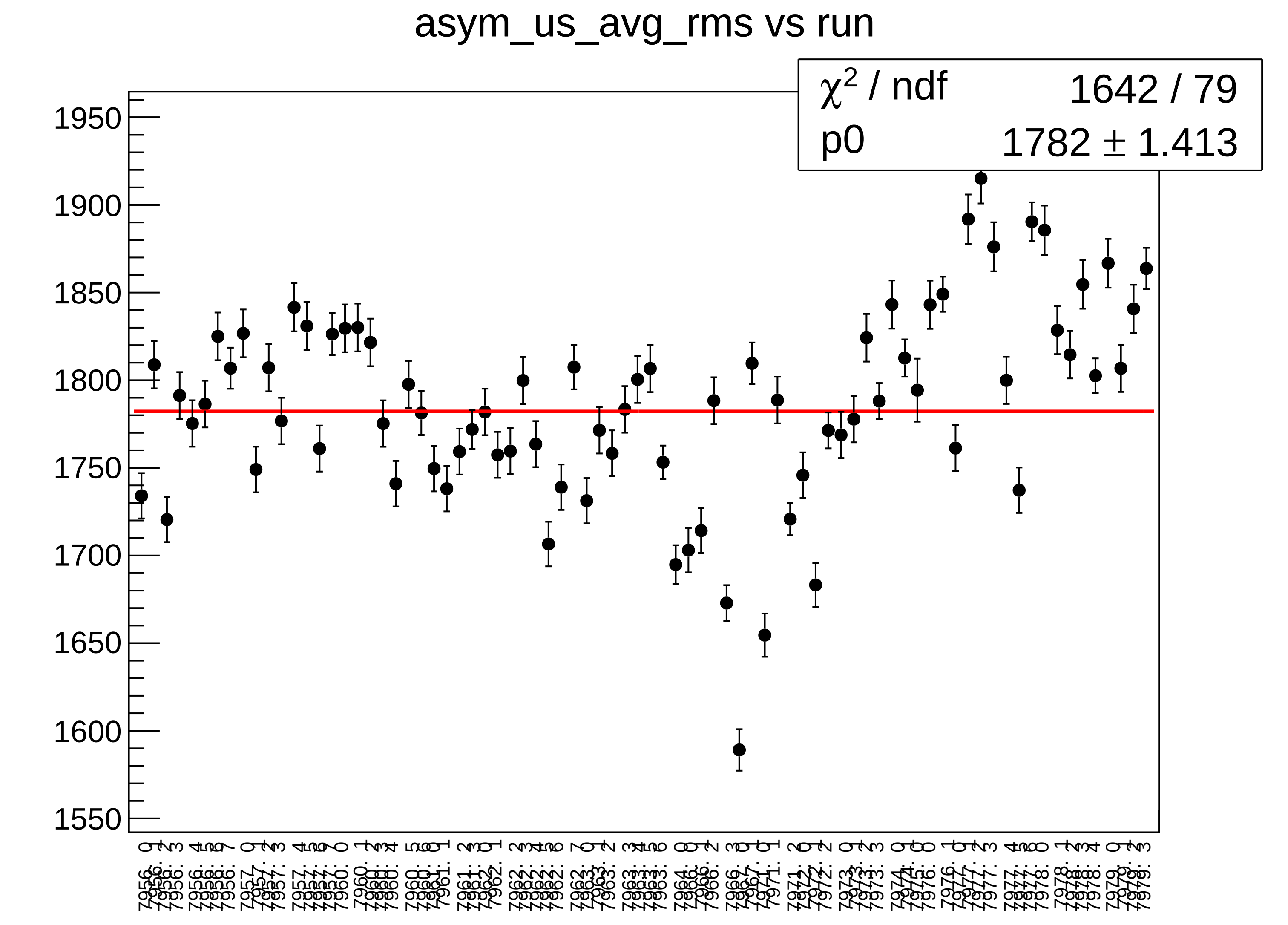


asym_us_avg_correction_mean vs run
χ^2 / ndf 82.05 / 79
p0 1192 ± 1803
pull
Entries 80
Mean 1201
Std Dev 1148
pull1D
Entries 80
Mean −0.00269
Std Dev 1.013

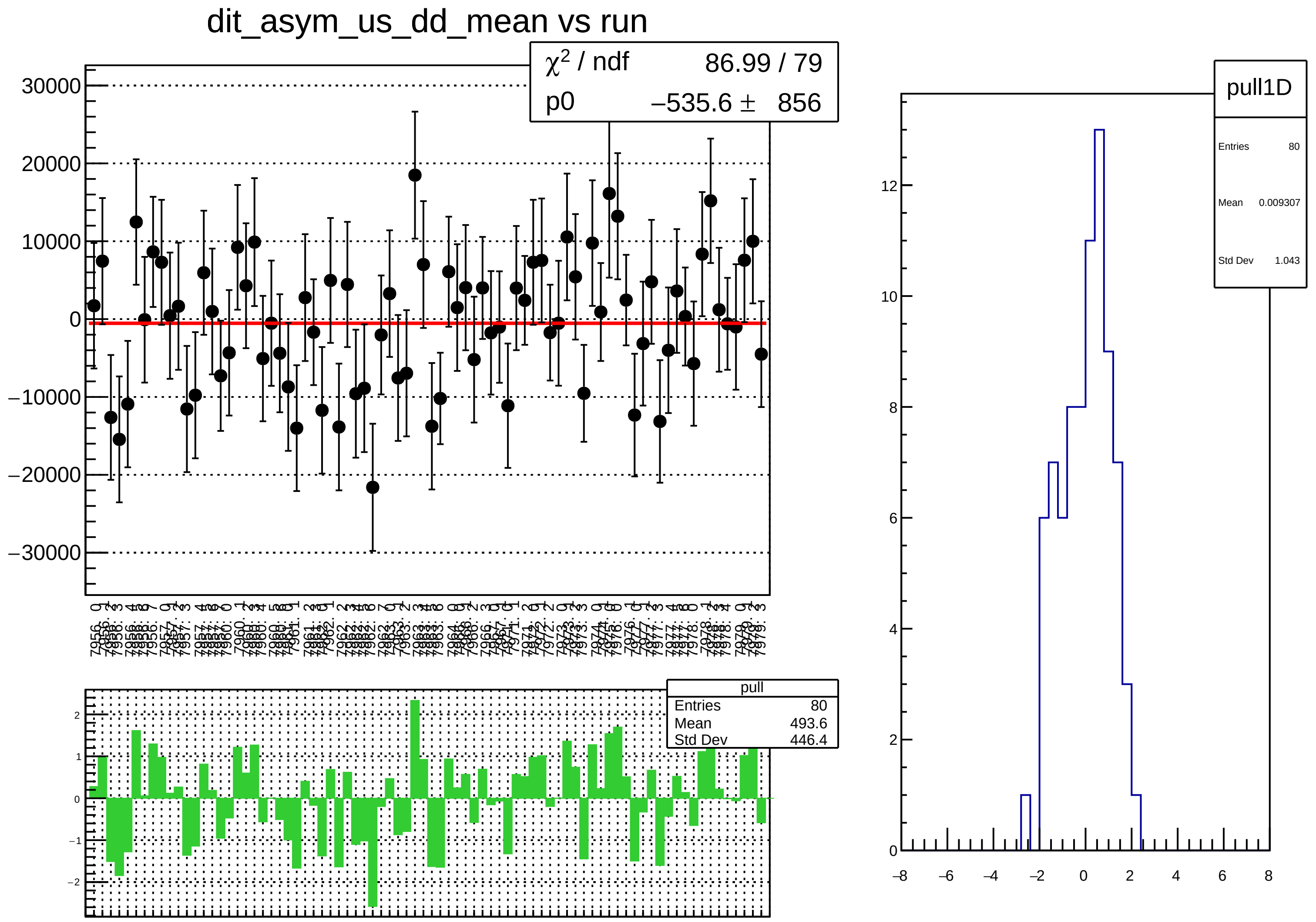

asym_us_avg_correction_rms vs run
χ^2 / ndf 1931 / 79
p0 1607 ± 1.275
1750
1700
1650
1600
1550
1500

asym_us_avg_mean vs run

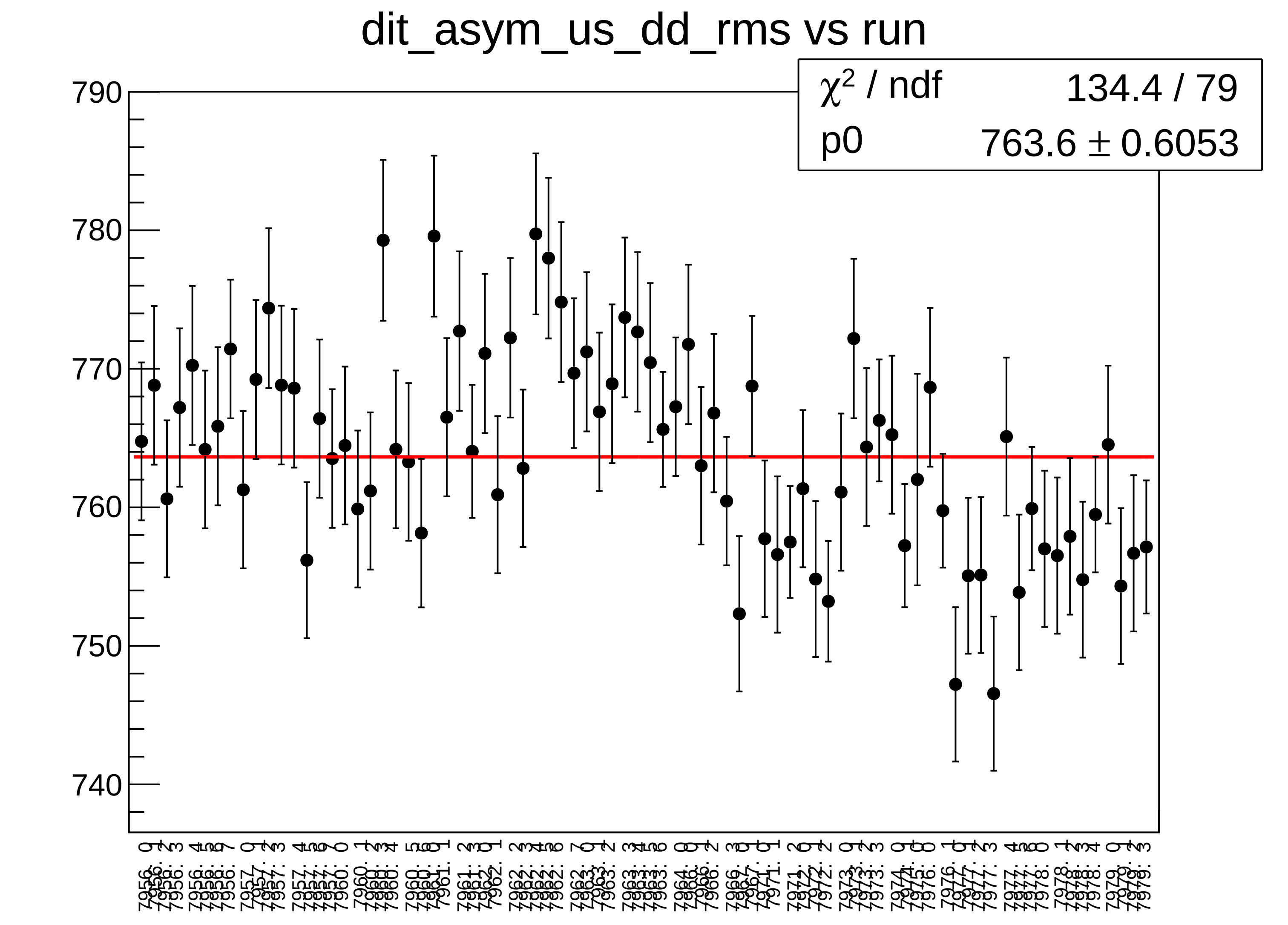


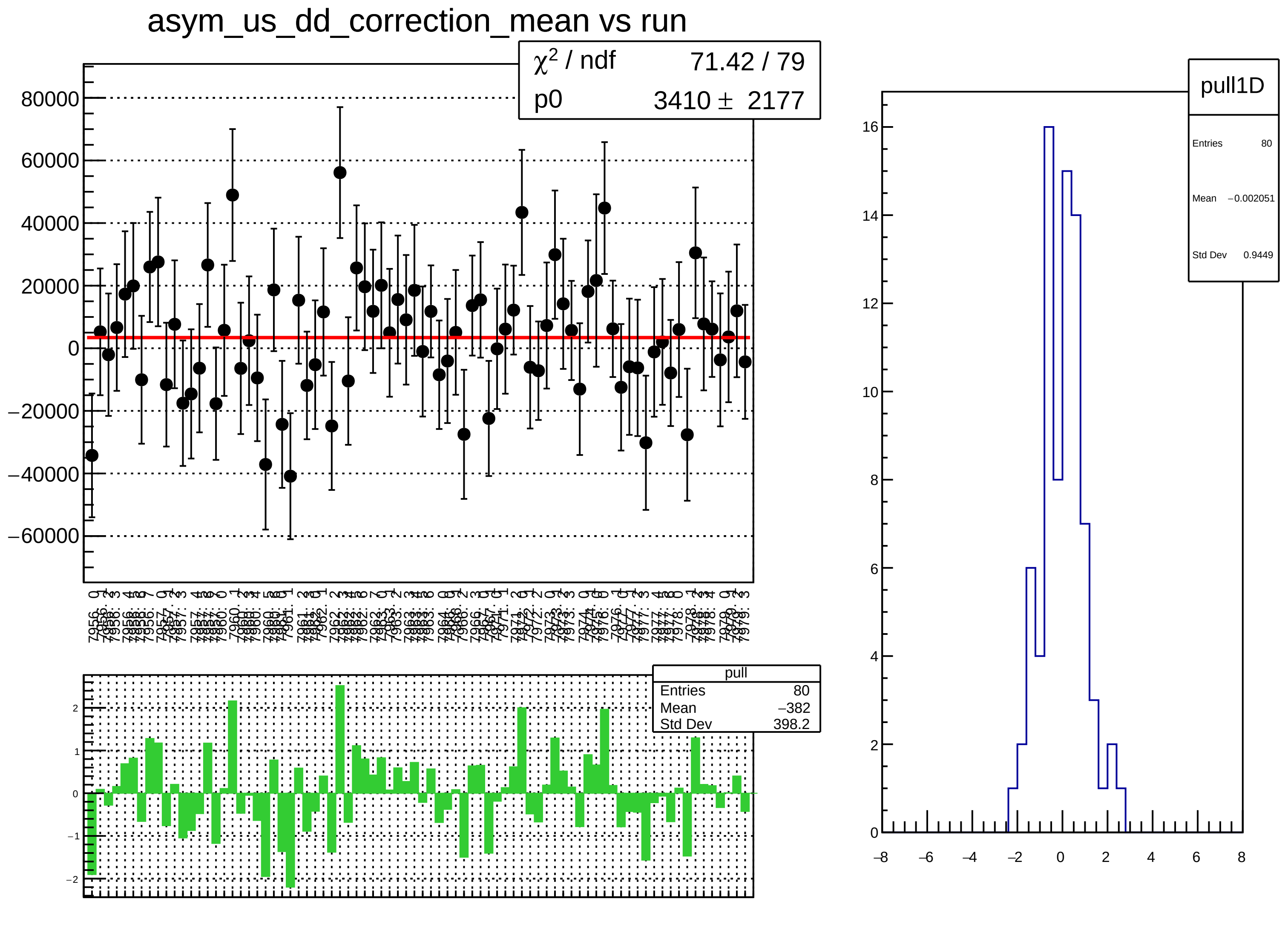


asym_us_avg_rms vs run
χ^2 / ndf 1642 / 79
p0 1782 ± 1.413
1950
1900
1850
1800
1750
1700
1650
1600
1550

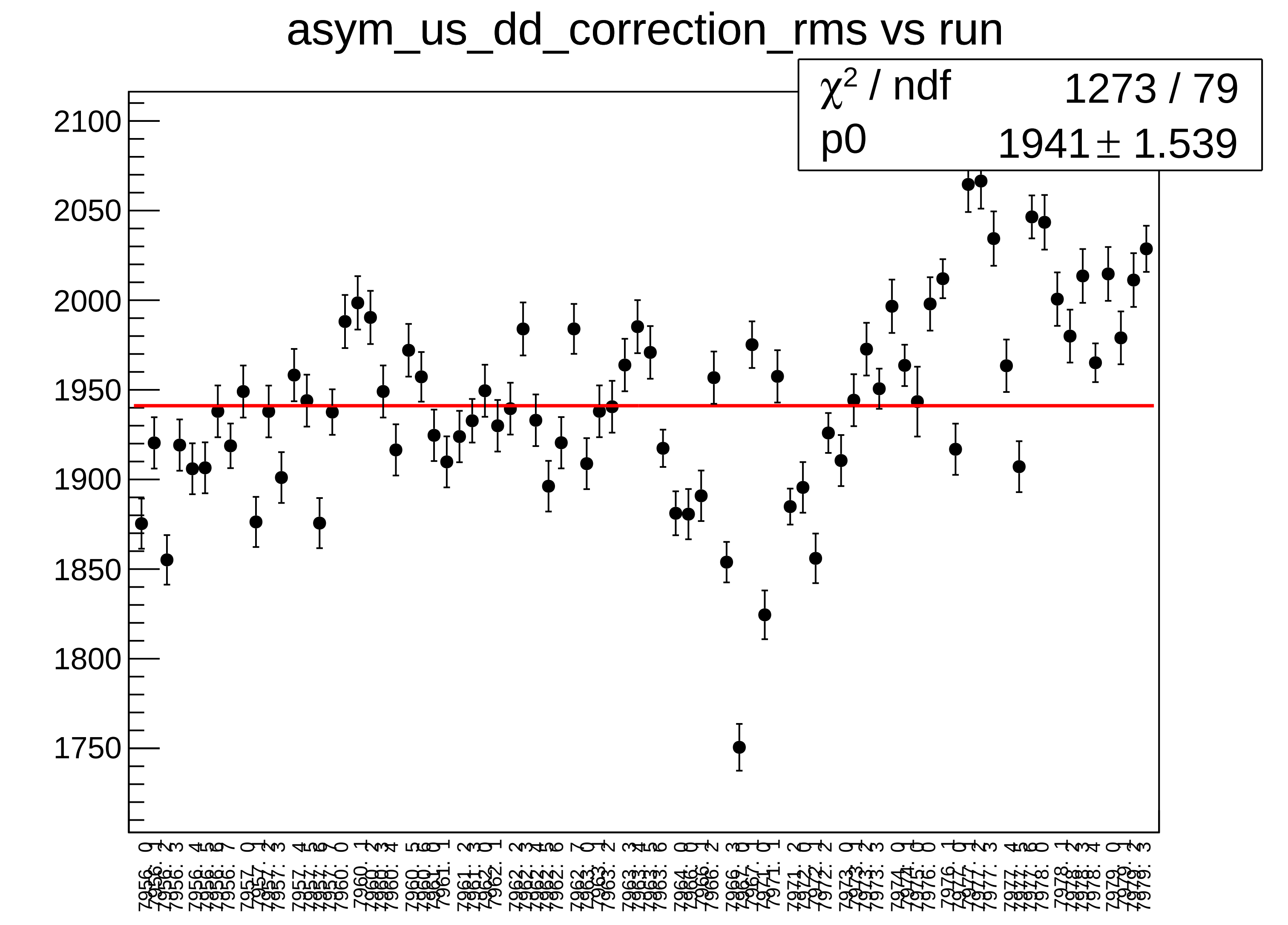


dit_asym_us_dd_mean vs run
χ^2 / ndf 86.99 / 79
p0 −535.6 ± 856
pull
Entries 80
Mean 493.6
Std Dev 446.4
pull1D
Entries 80
Mean 0.009307
Std Dev 1.043

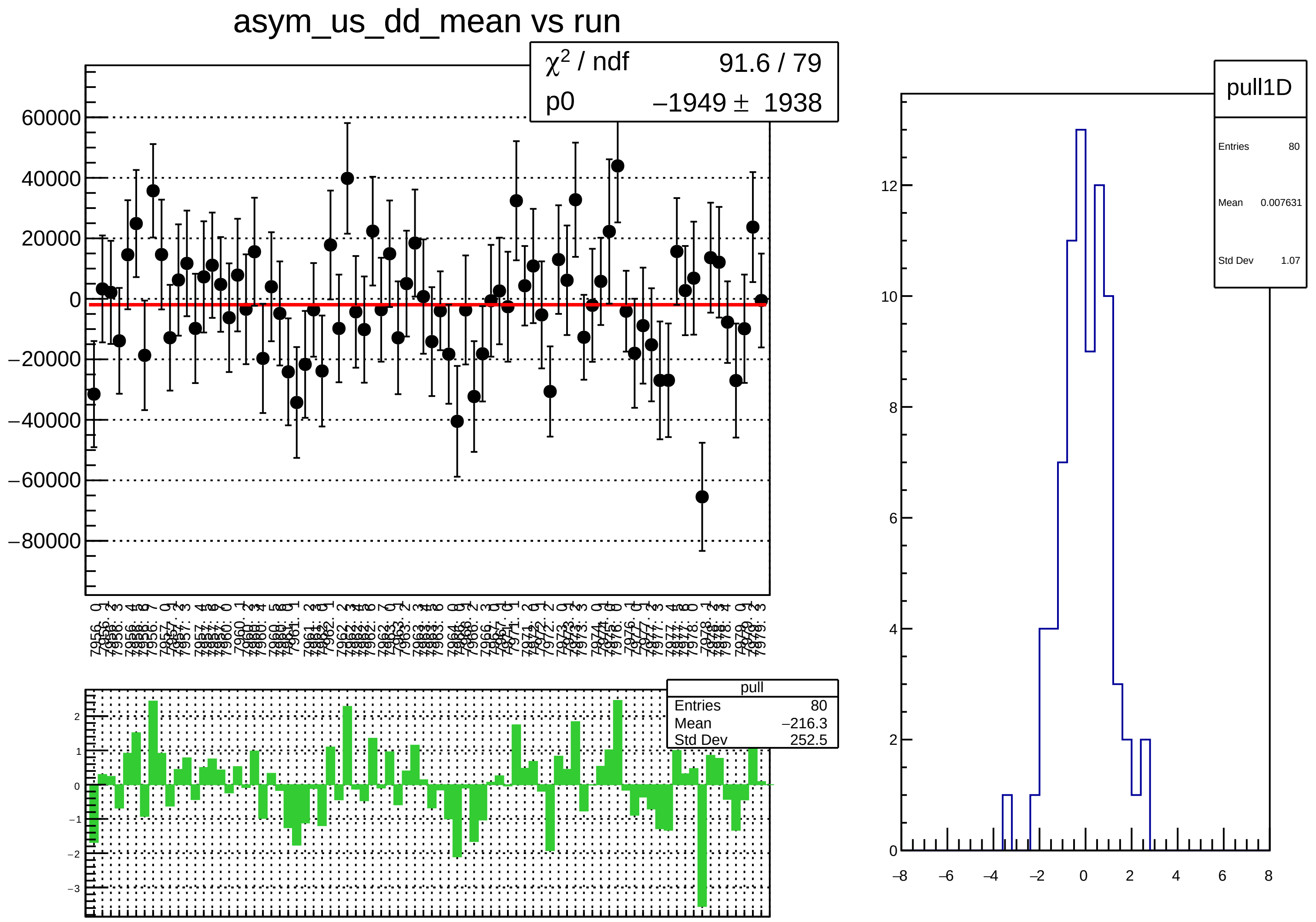

dit_asym_us_dd_rms vs run
χ2 / ndf 134.4 / 79
p0 763.6 ± 0.6053
790
780
770
760
750
740



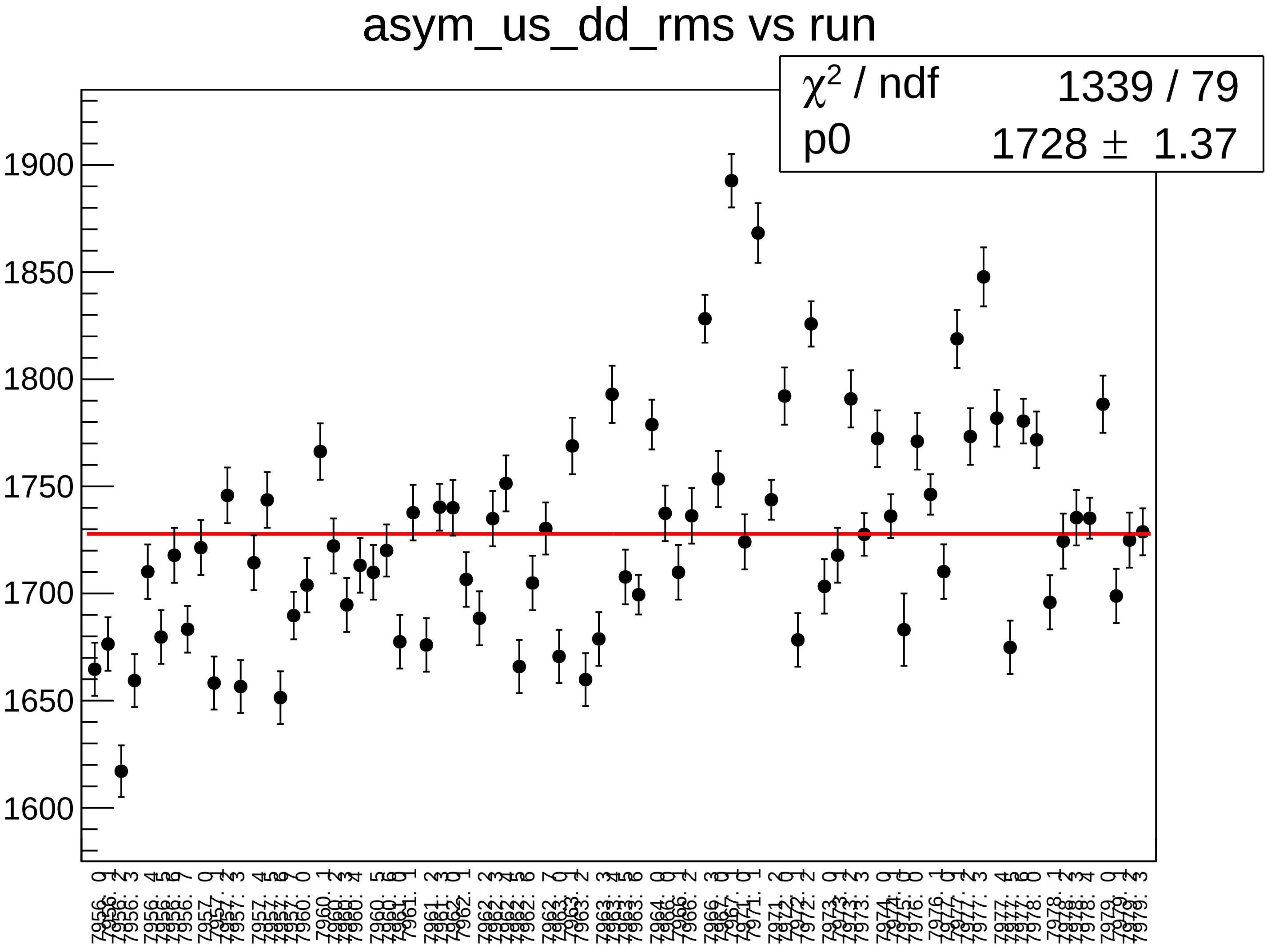
asym_us_dd_correction_mean vs run
χ^2 / ndf 71.42 / 79
p0 3410 ± 2177
pull
Entries 80
Mean −382
Std Dev 398.2
pull1D
Entries 80
Mean −0.002051
Std Dev 0.9449



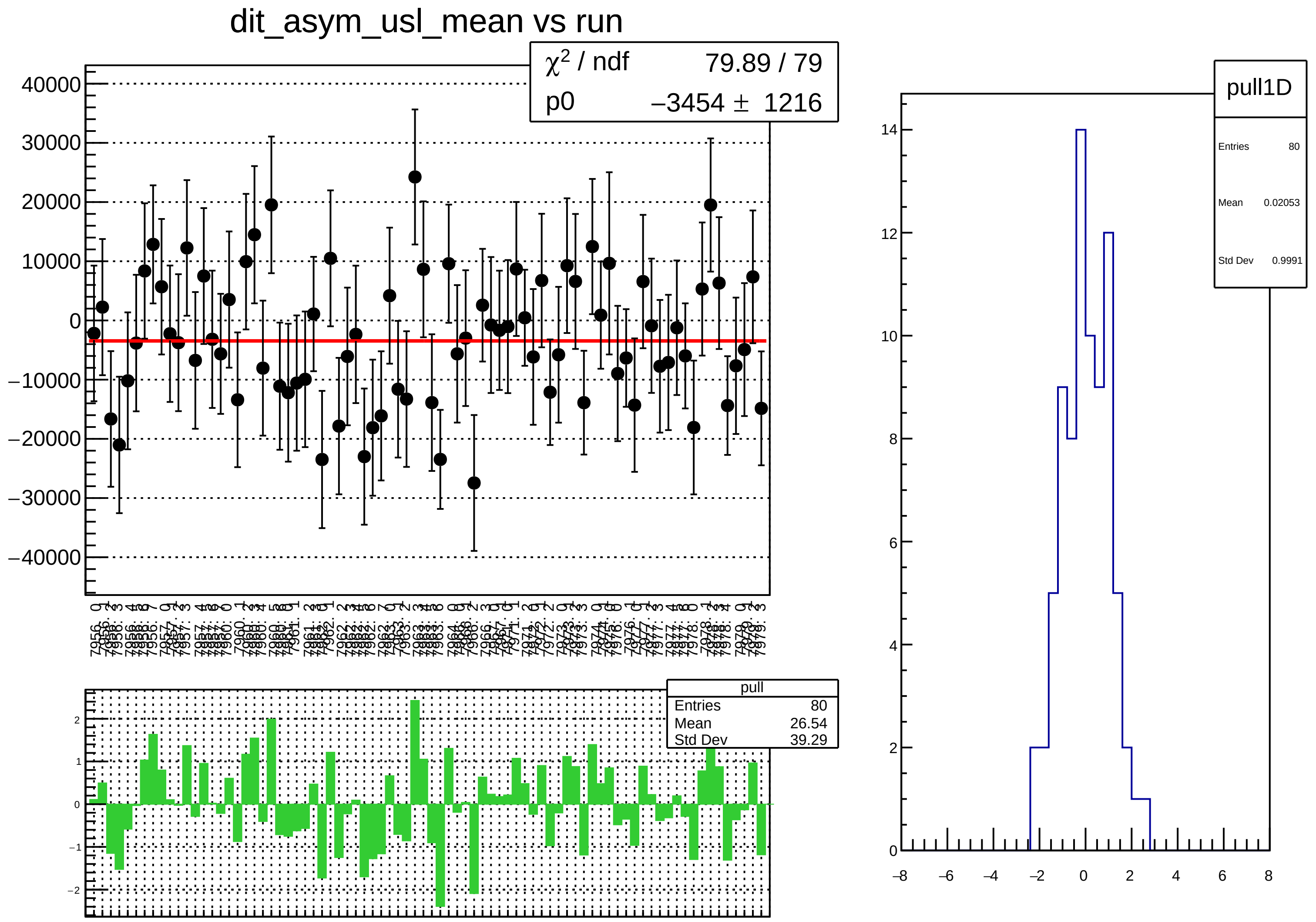
asym_us_dd_correction_rms vs run
χ^2 / ndf 1273 / 79
p0 1941 ± 1.539
2100
2050
2000
1950
1900
1850
1800
1750



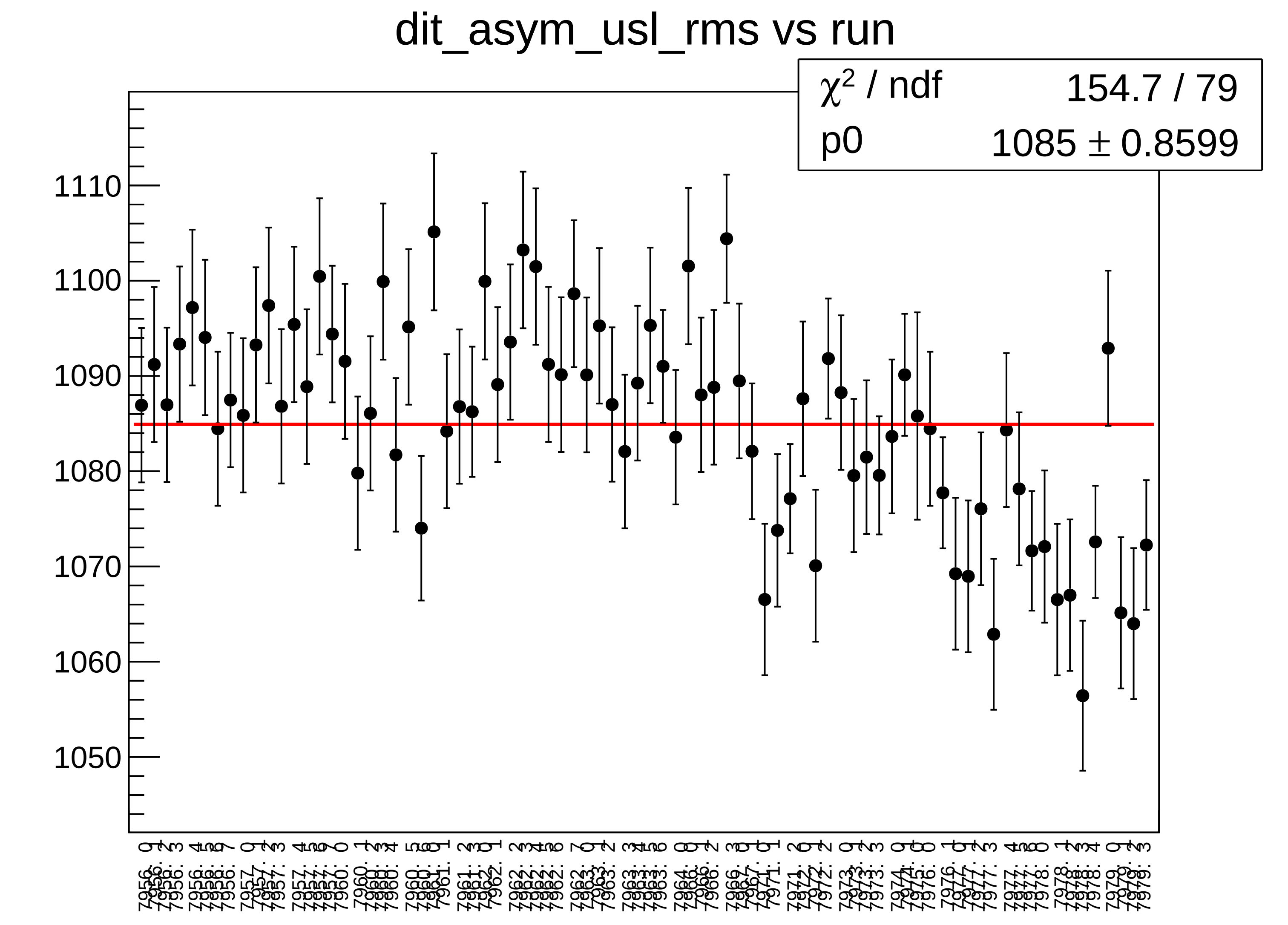
asym_us_dd_mean vs run
χ2 / ndf 91.6 / 79
p0 −1949 ± 1938
pull
Entries 80
Mean −216.3
Std Dev 252.5
pull1D
Entries 80
Mean 0.007631
Std Dev 1.07

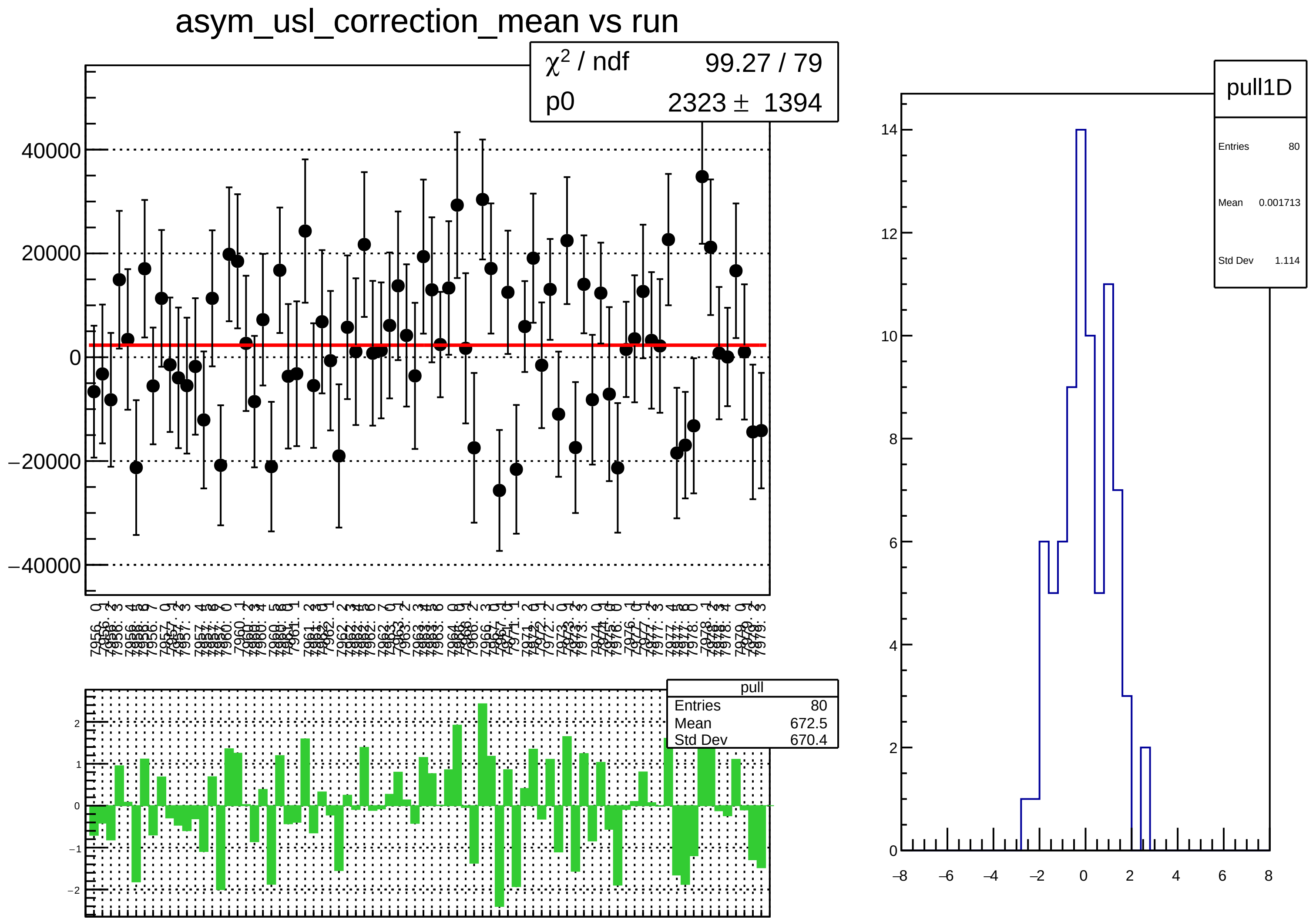


asym_us_dd_rms vs run
χ^2 / ndf 1339 / 79
p0 1728 ± 1.37
1900
1850
1800
1750
1700
1650
1600

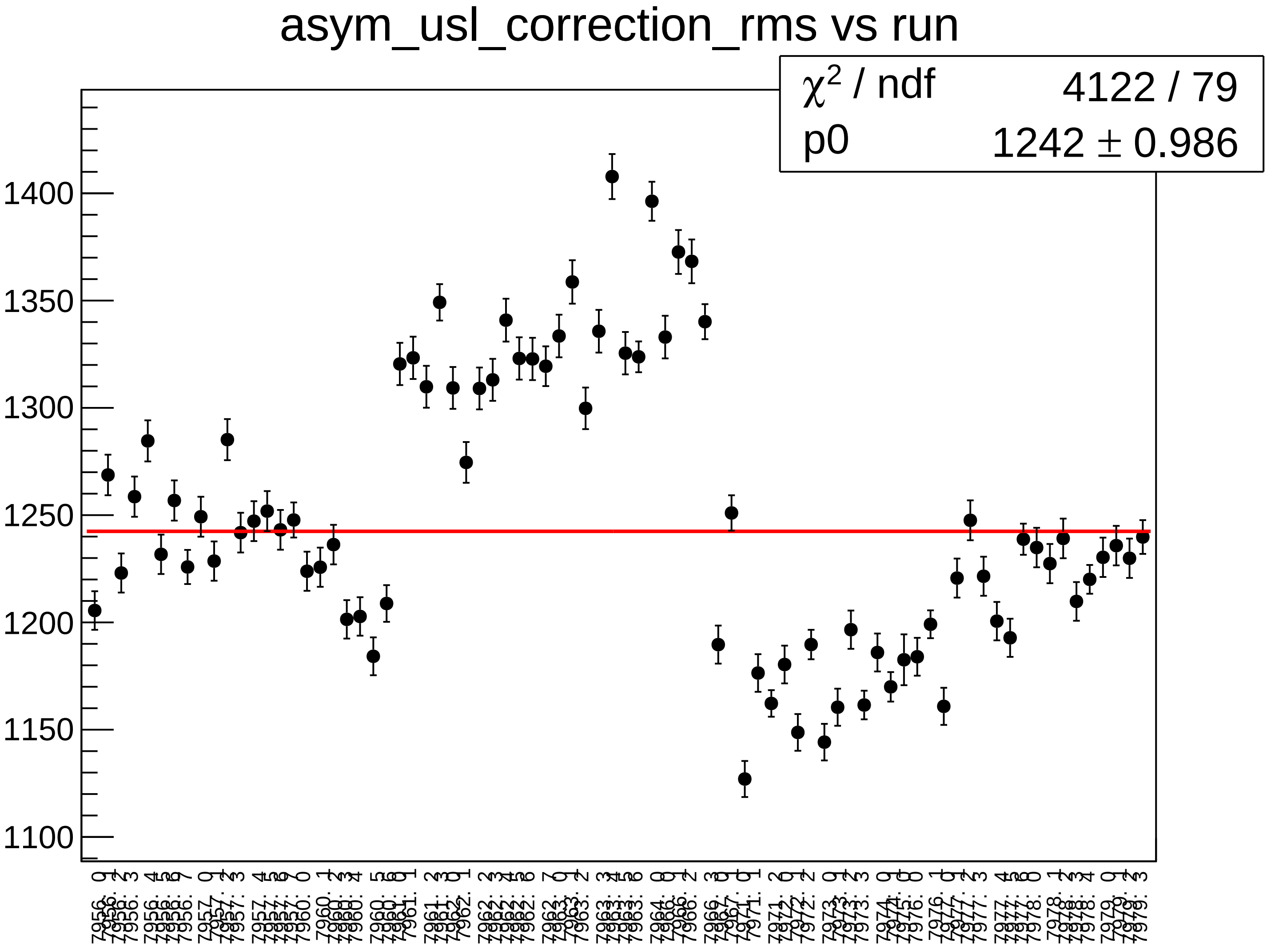


dit_asym_usl_mean vs run
χ^2 / ndf 79.89 / 79
p0 −3454 ± 1216
pull
Entries 80
Mean 26.54
Std Dev 39.29
pull1D
Entries 80
Mean 0.02053
Std Dev 0.9991

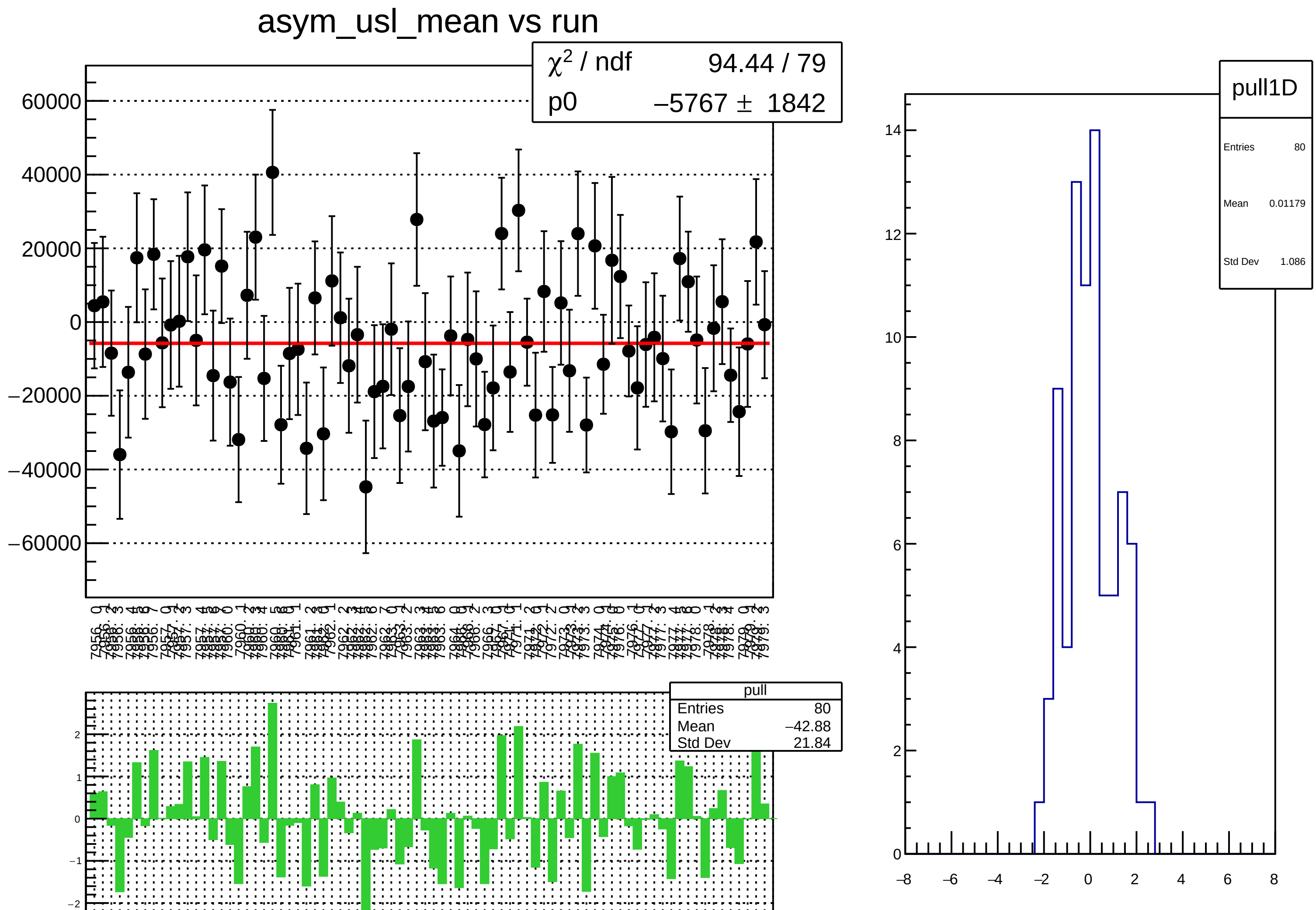

dit_asym_usl_rms vs run
χ^2 / ndf 154.7 / 79
p0 1085 ± 0.8599
1110
1100
1090
1080
1070
1060
1050



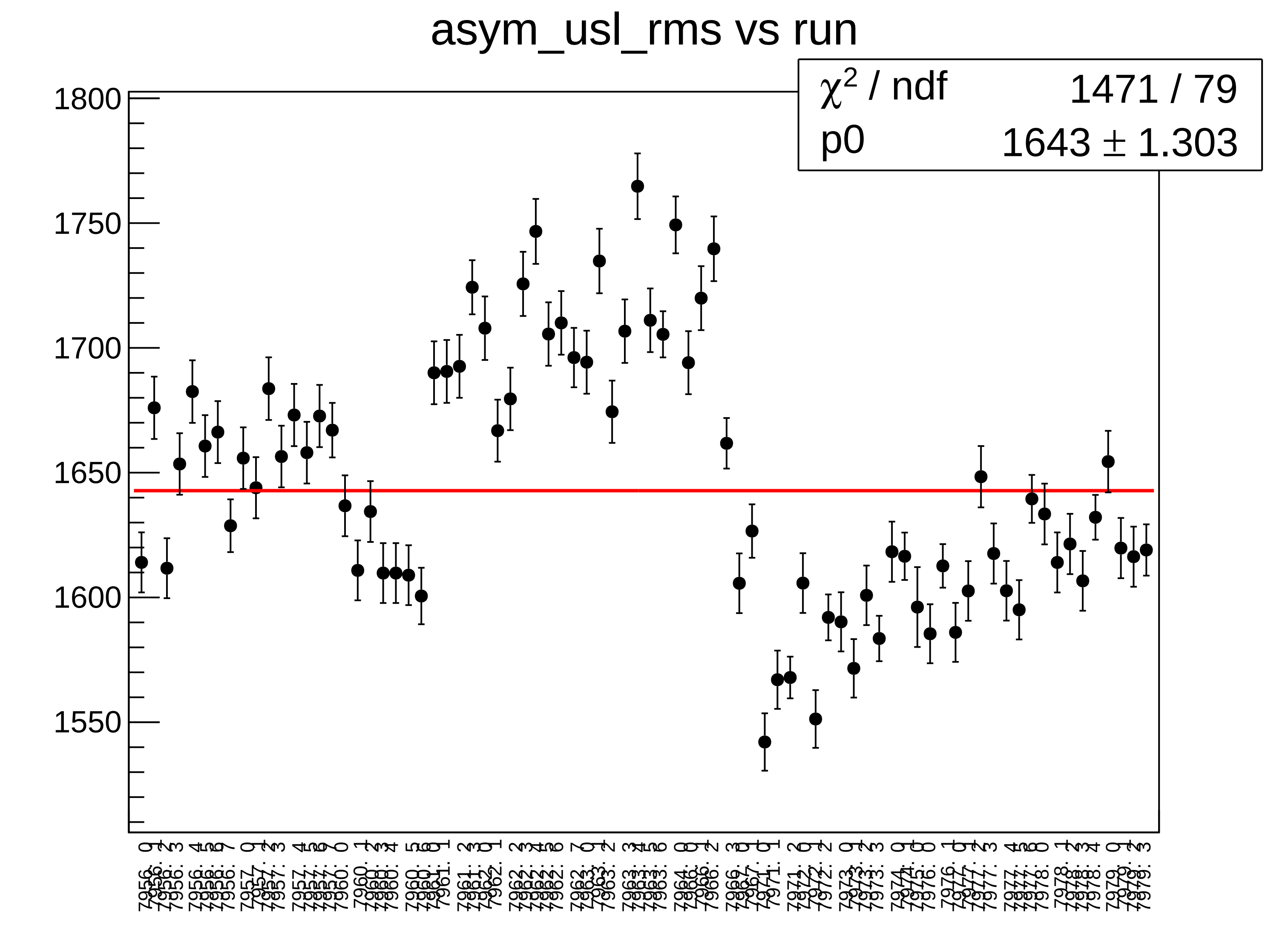
asym_usl_correction_mean vs run
χ^2 / ndf 99.27 / 79
p0 2323 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 672.5
Std Dev 670.4
pull1D
Entries 80
Mean 0.001713
Std Dev 1.114



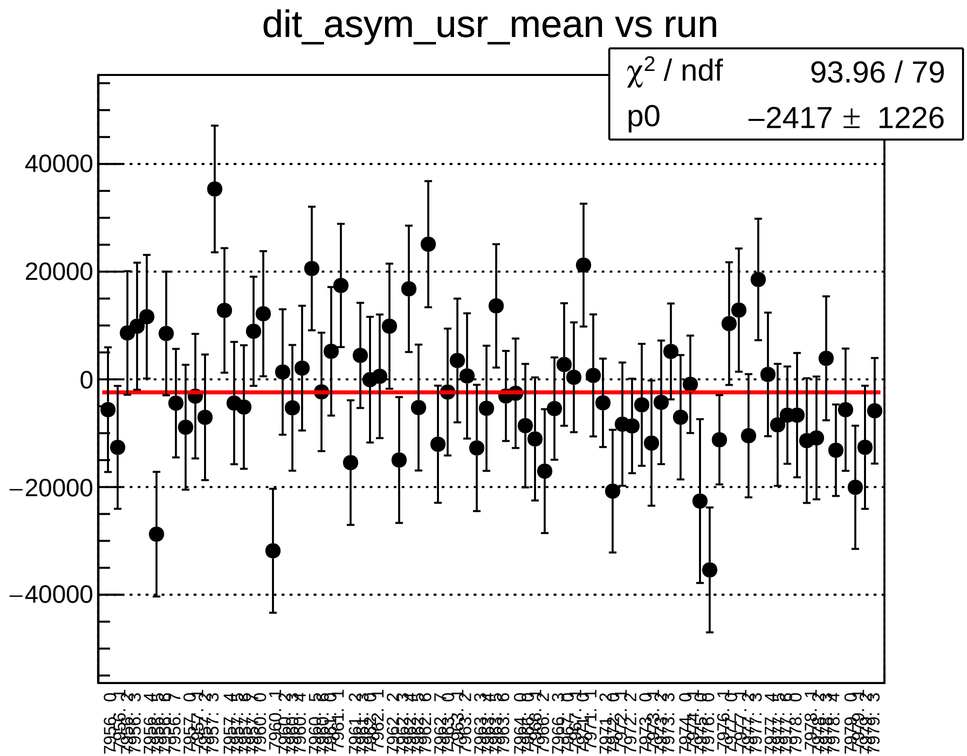
asym_usl_correction_rms vs run
χ^2 / ndf 4122 / 79
p0 1242 ± 0.986
1400
1350
1300
1250
1200
1150
1100



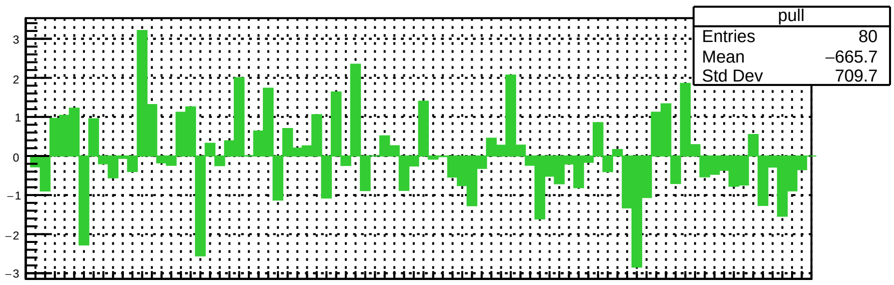
asym_usl_mean vs run
χ2 / ndf 94.44 / 79
p0 −5767 ± 1842
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −42.88
Std Dev 21.84
pull1D
Entries 80
Mean 0.01179
Std Dev 1.086



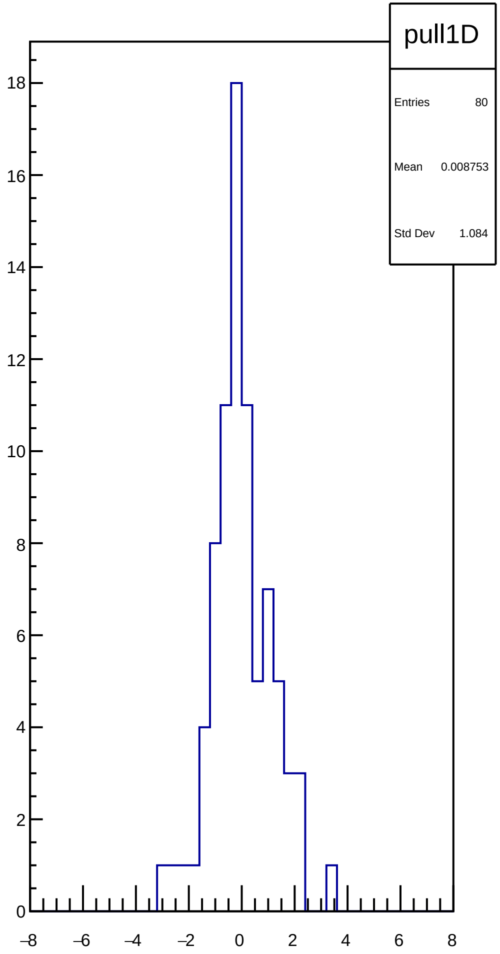
asym_usl_rms vs run
χ^2 / ndf 1471 / 79
p0 1643 ± 1.303
1800
1750
1700
1650
1600
1550



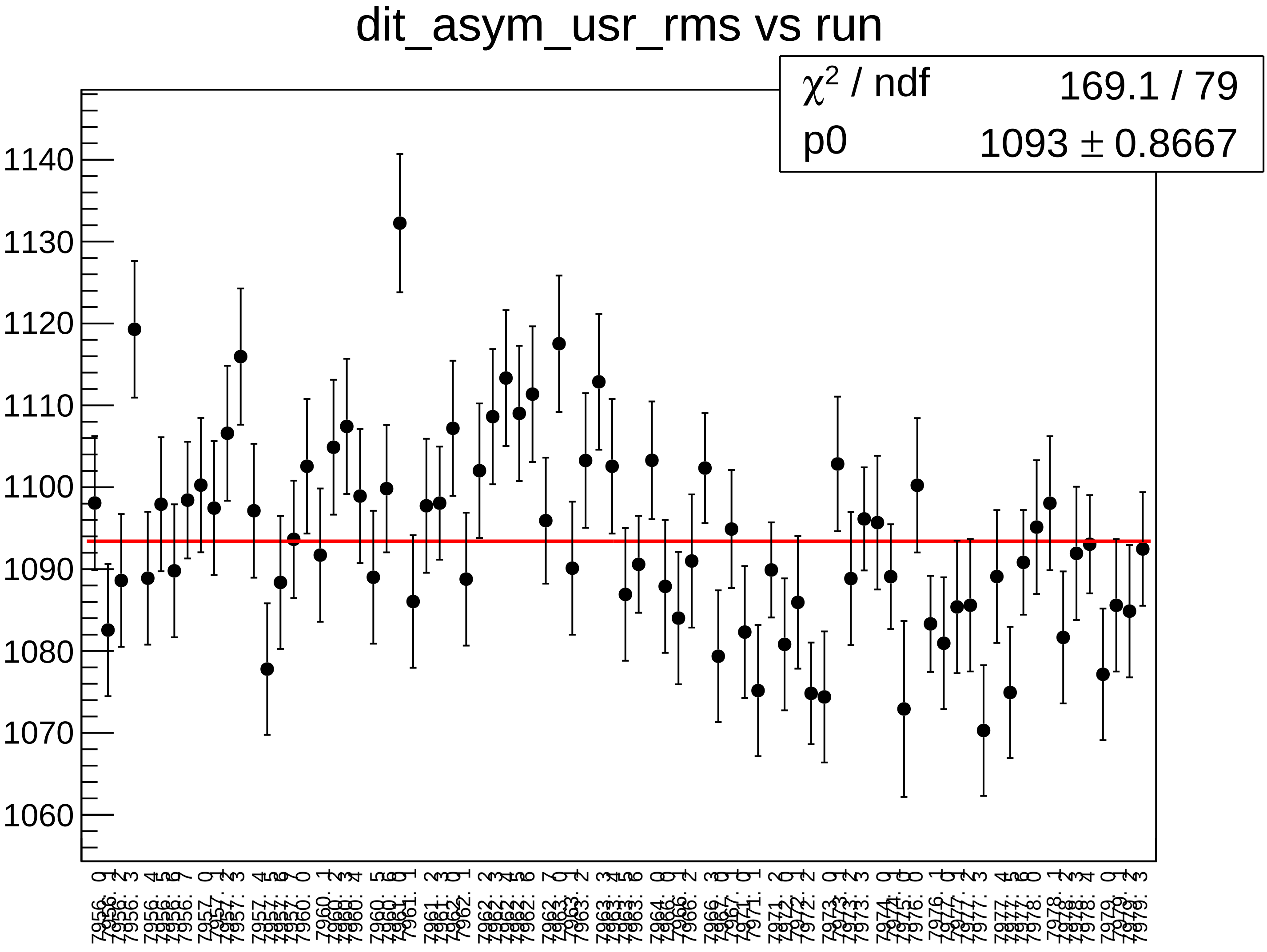
dit_asym_usr_mean vs run
χ² / ndf 93.96 / 79
p0 −2417 ± 1226
40000
20000
0
−20000
−40000



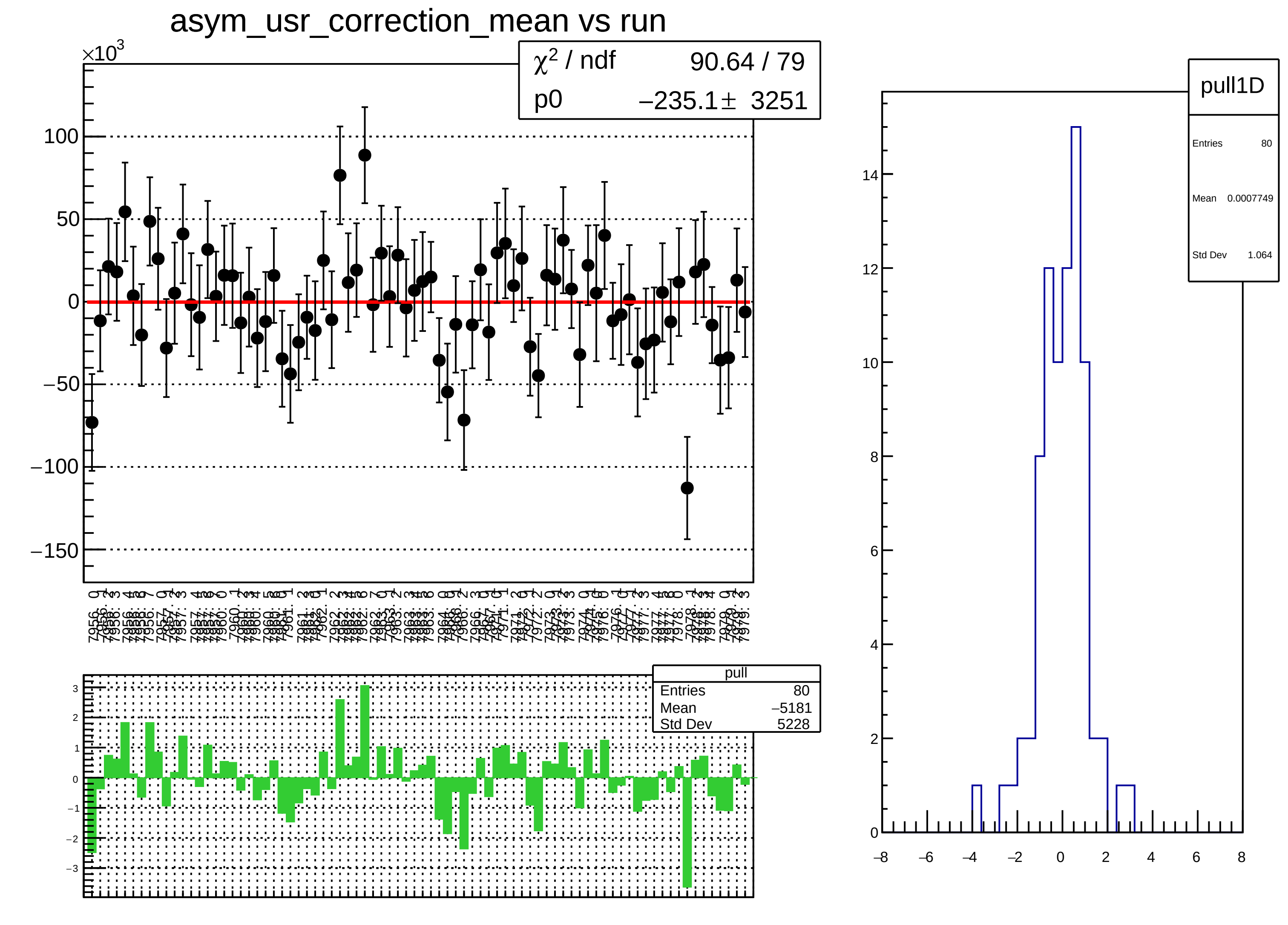
pull
Entries 80
Mean −665.7
Std Dev 709.7



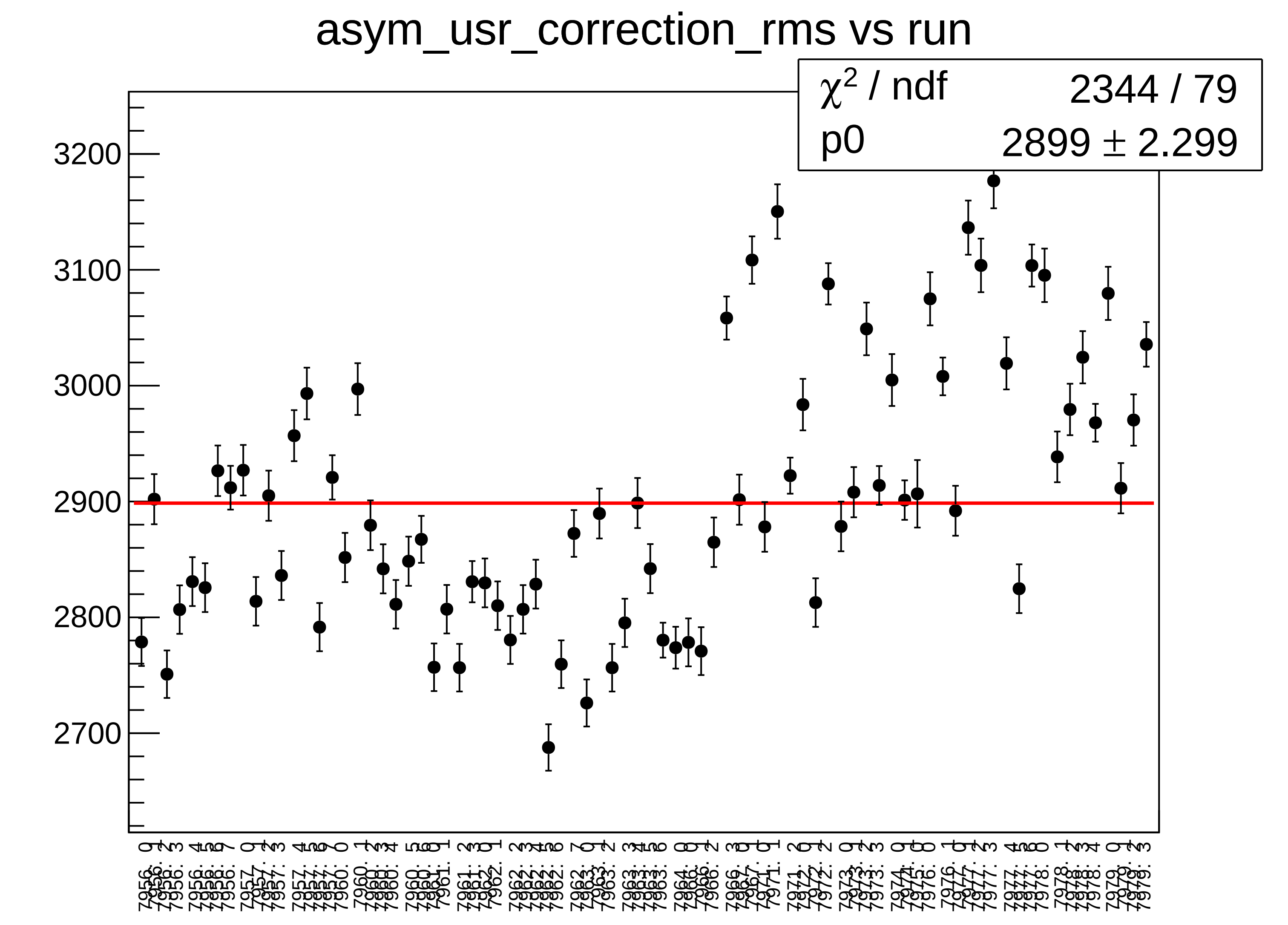
pull1D
Entries 80
Mean 0.008753
Std Dev 1.084

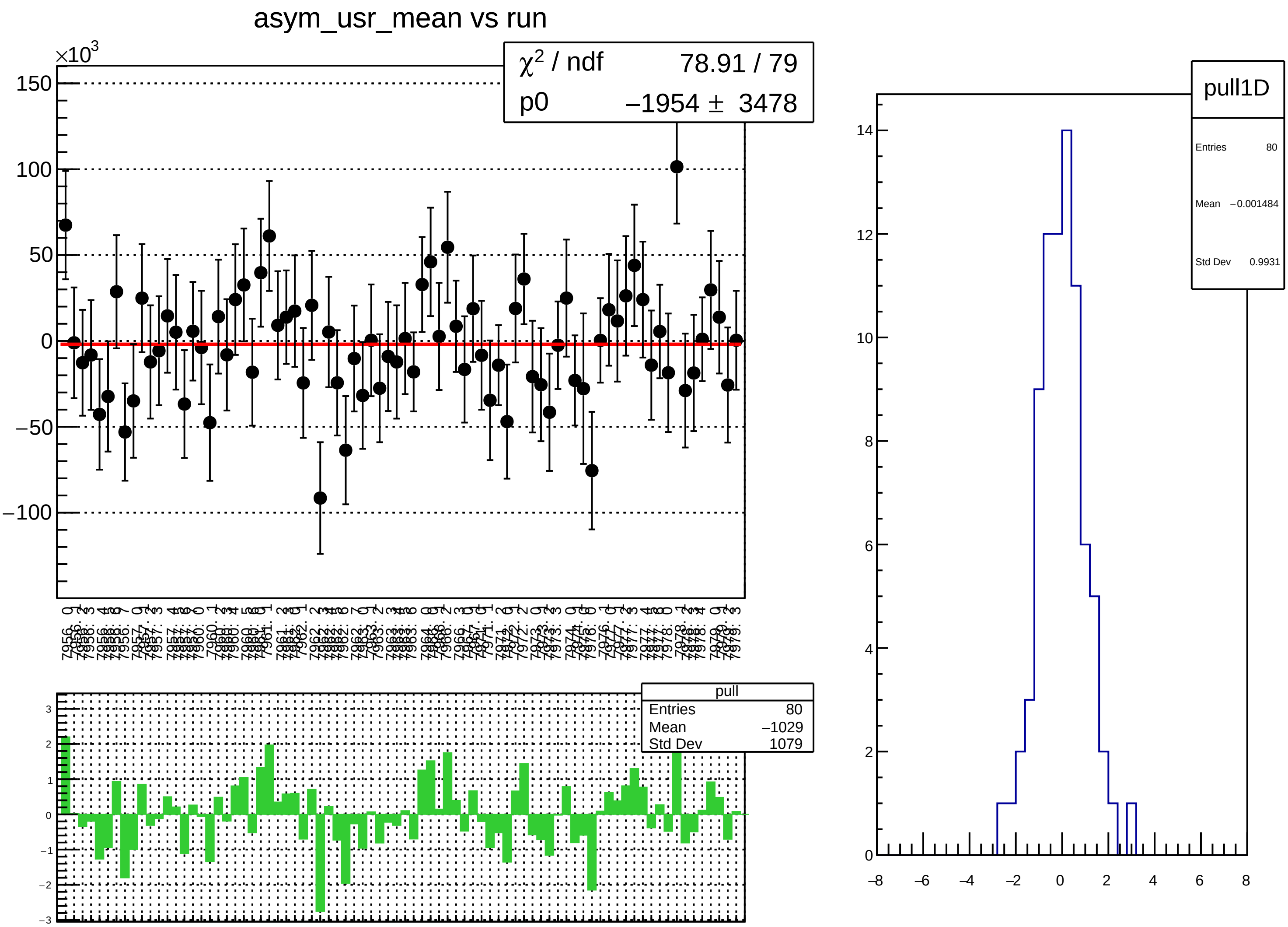


dit_asym_usr_rms vs run
χ^2 / ndf 169.1 / 79
p0 1093 ± 0.8667
1140
1130
1120
1110
1100
1090
1080
1070
1060

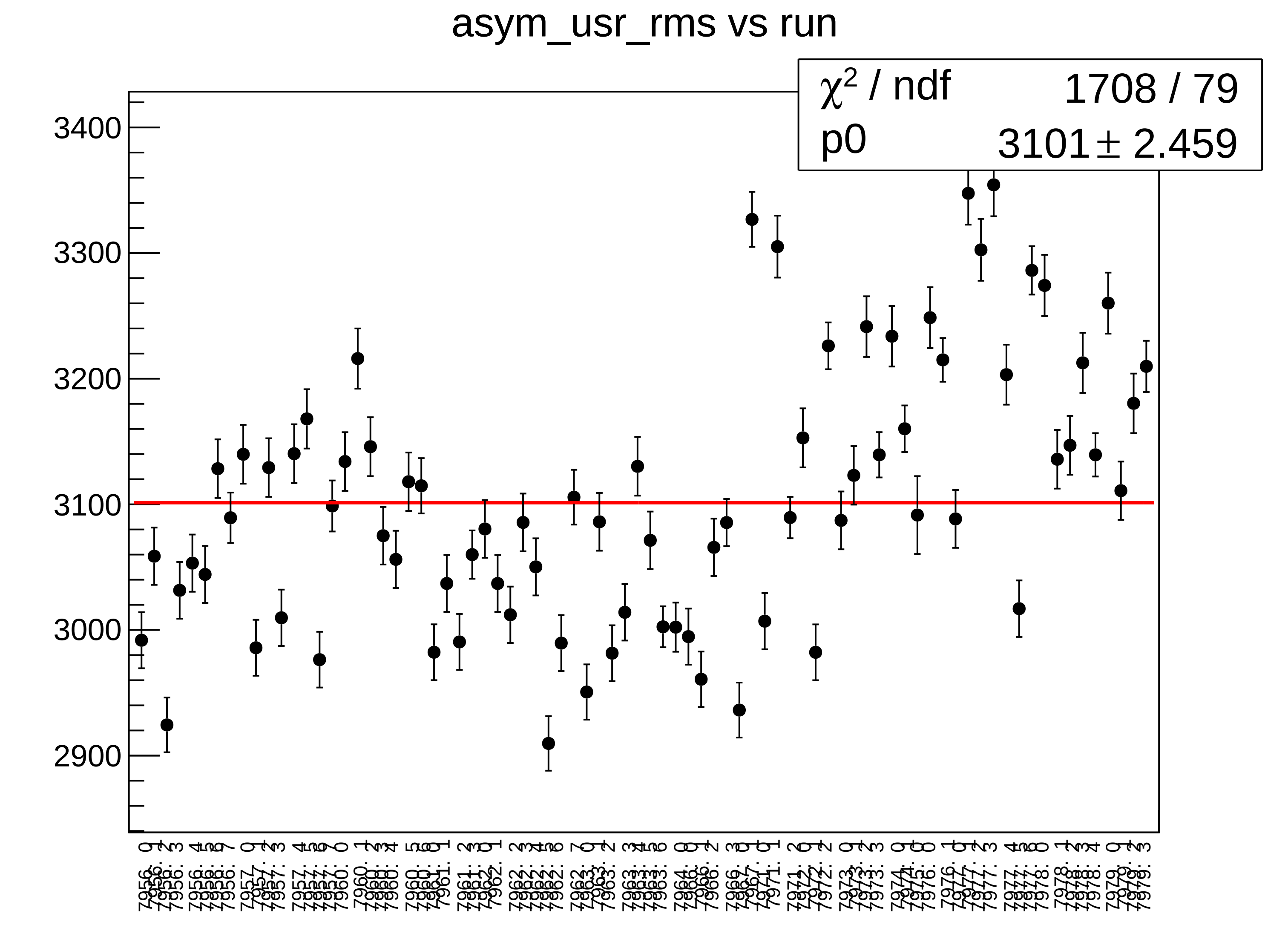


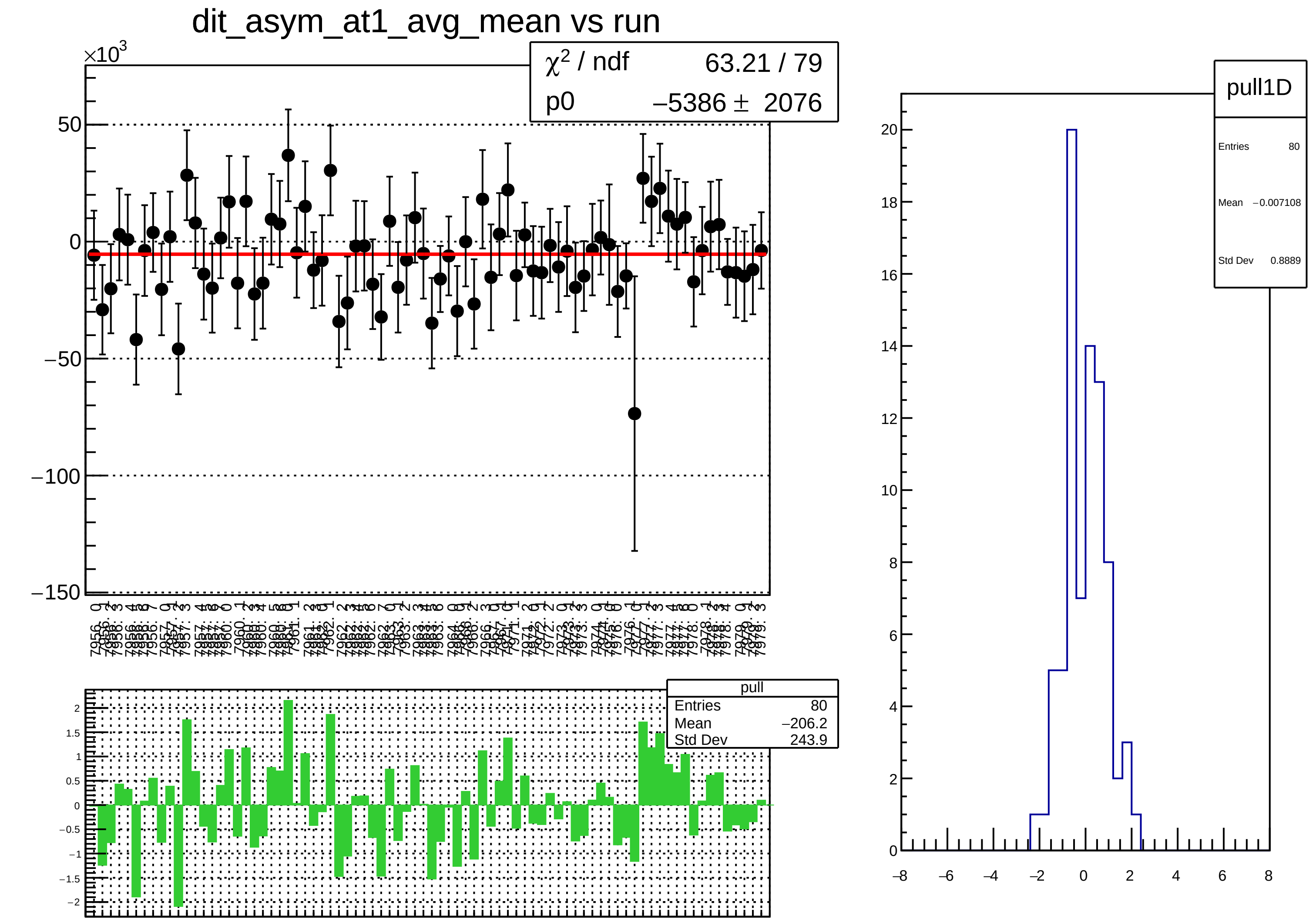
asym_usr_correction_mean vs run
$\times10^3$
χ^2 / ndf 90.64 / 79
p0 −235.1 ± 3251
100
50
0
−50
−100
−150
pull
Entries 80
Mean −5181
Std Dev 5228
pull1D
Entries 80
Mean 0.0007749
Std Dev 1.064

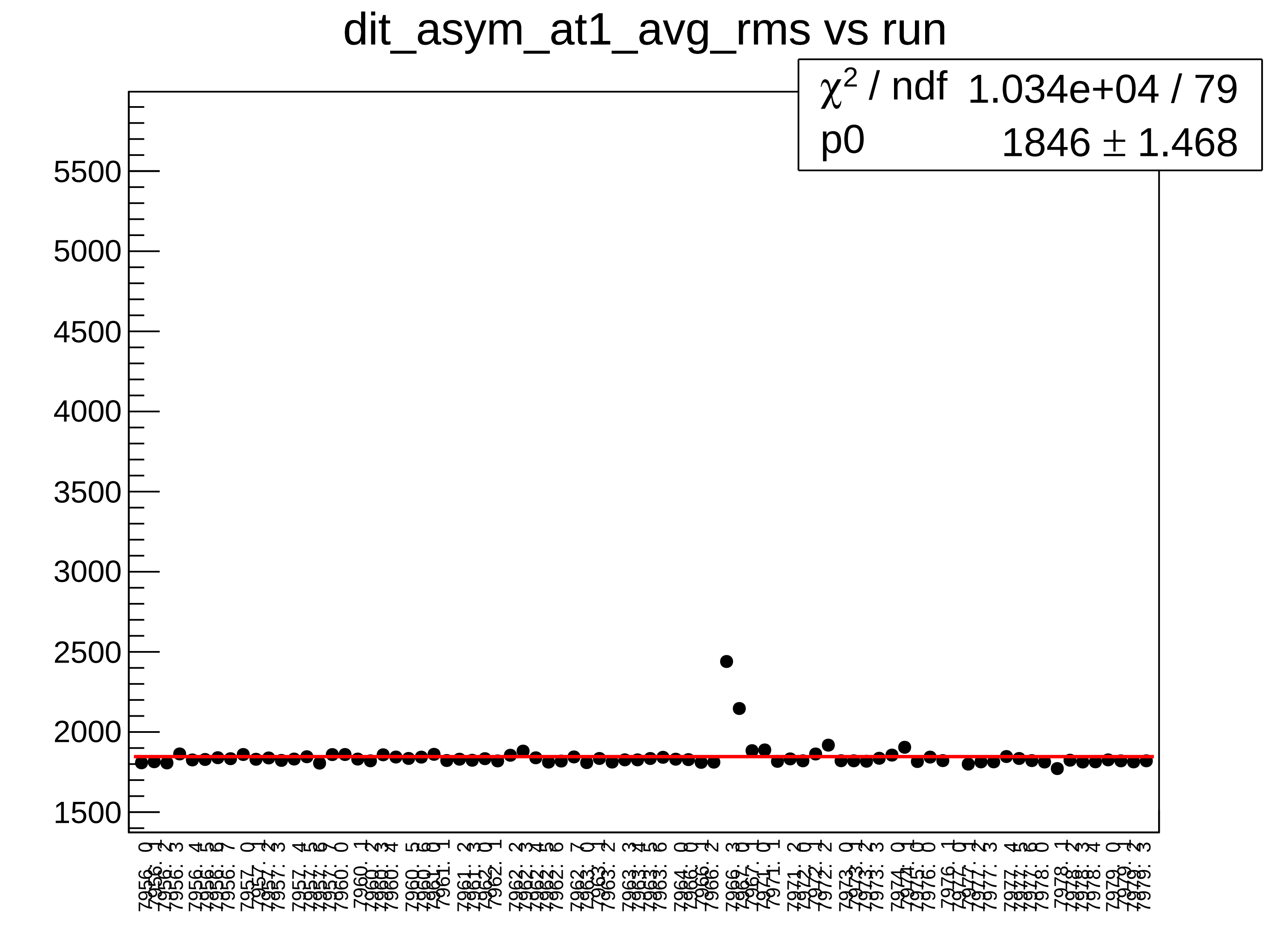

asym_usr_correction_rms vs run
χ2 / ndf 2344 / 79
p0 2899 ± 2.299
3200
3100
3000
2900
2800
2700



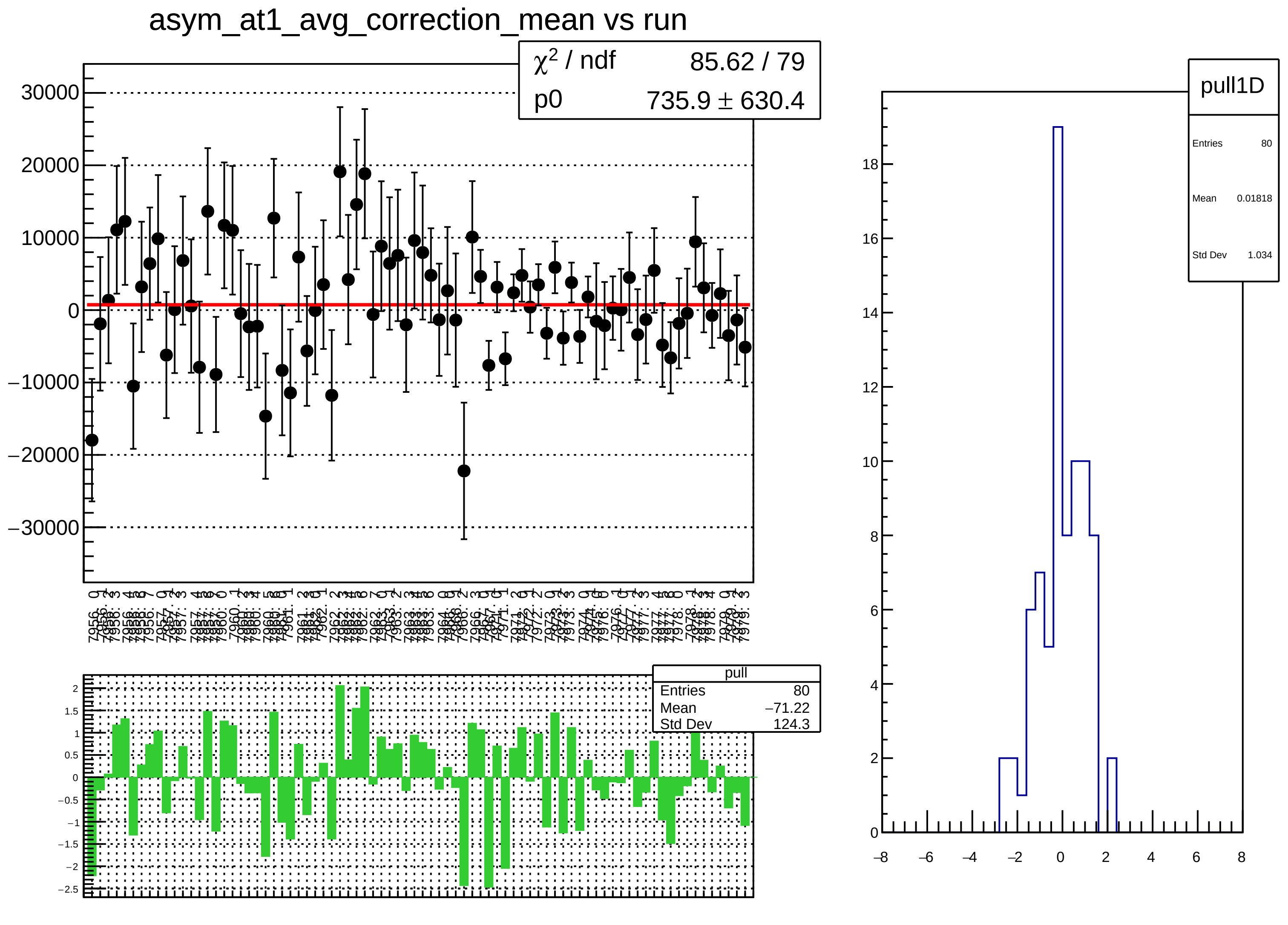
asym_usr_mean vs run
×10^3
χ2 / ndf 78.91 / 79
p0 −1954 ± 3478
pull
Entries 80
Mean −1029
Std Dev 1079
pull1D
Entries 80
Mean −0.001484
Std Dev 0.9931


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

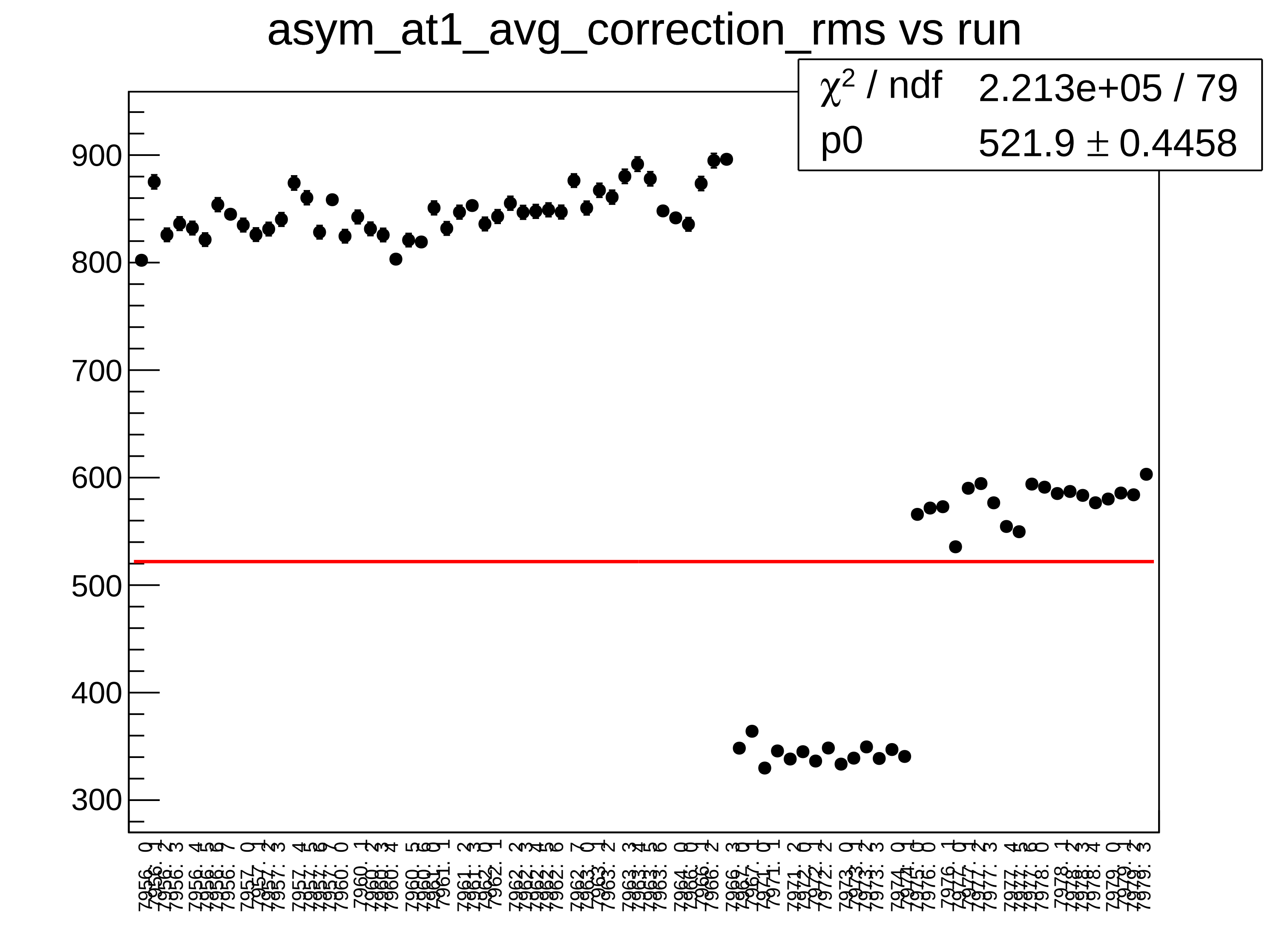

dit_asym_at1_avg_mean vs run
$\times 10^3$
χ^2 / ndf 63.21 / 79
p0 −5386 ± 2076
50
0
−50
−100
−150
pull
Entries 80
Mean −206.2
Std Dev 243.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −0.007108
Std Dev 0.8889
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



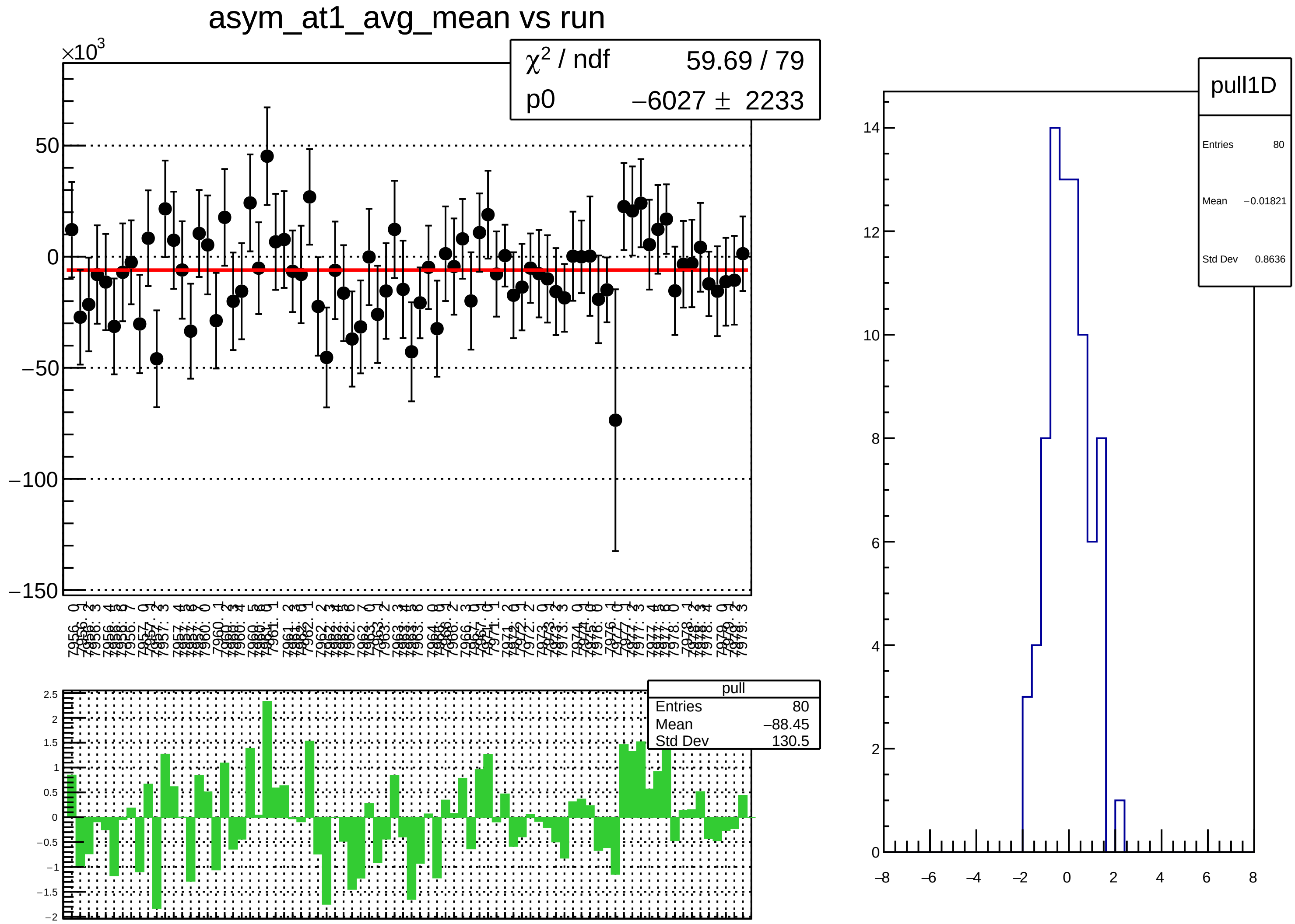
dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.034e+04 / 79
p0 1846 ± 1.468
5500
5000
4500
4000
3500
3000
2500
2000
1500

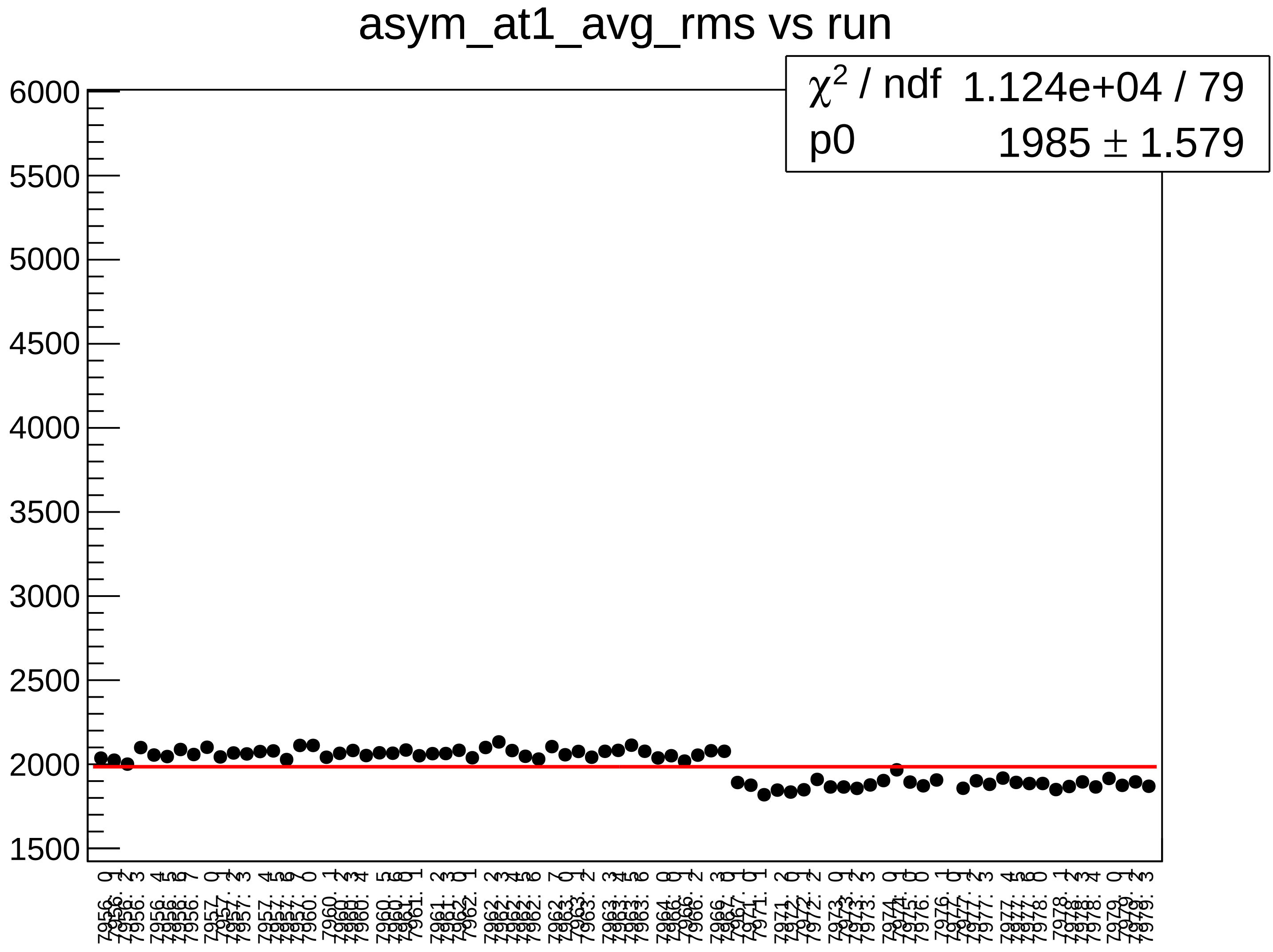


asym_at1_avg_correction_mean vs run
χ^2 / ndf 85.62 / 79
p0 735.9 ± 630.4
pull
Entries 80
Mean −71.22
Std Dev 124.3
pull1D
Entries 80
Mean 0.01818
Std Dev 1.034

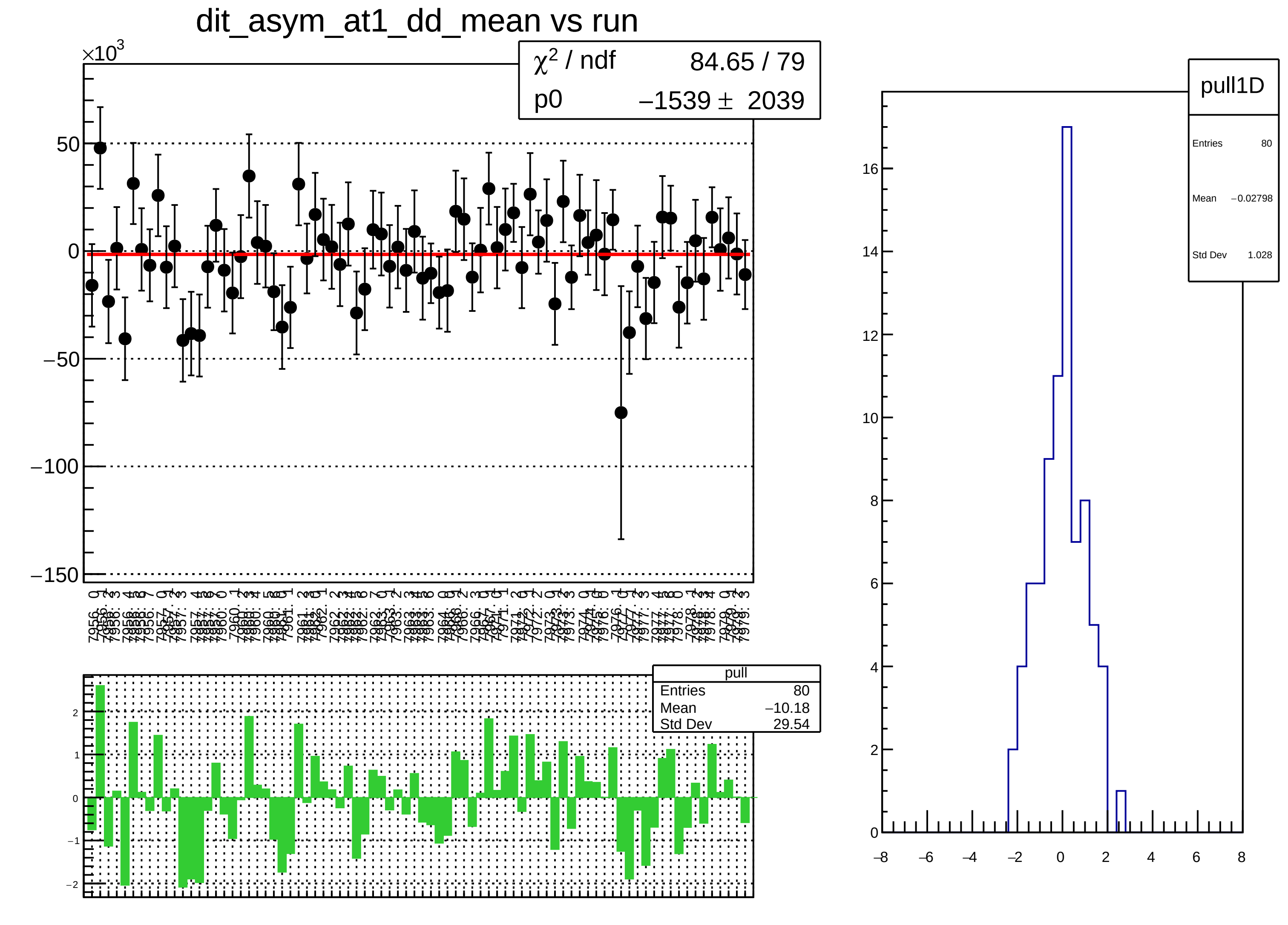


asym_at1_avg_correction_rms vs run
χ2 / ndf 2.213e+05 / 79
p0 521.9 ± 0.4458
900
800
700
600
500
400
300

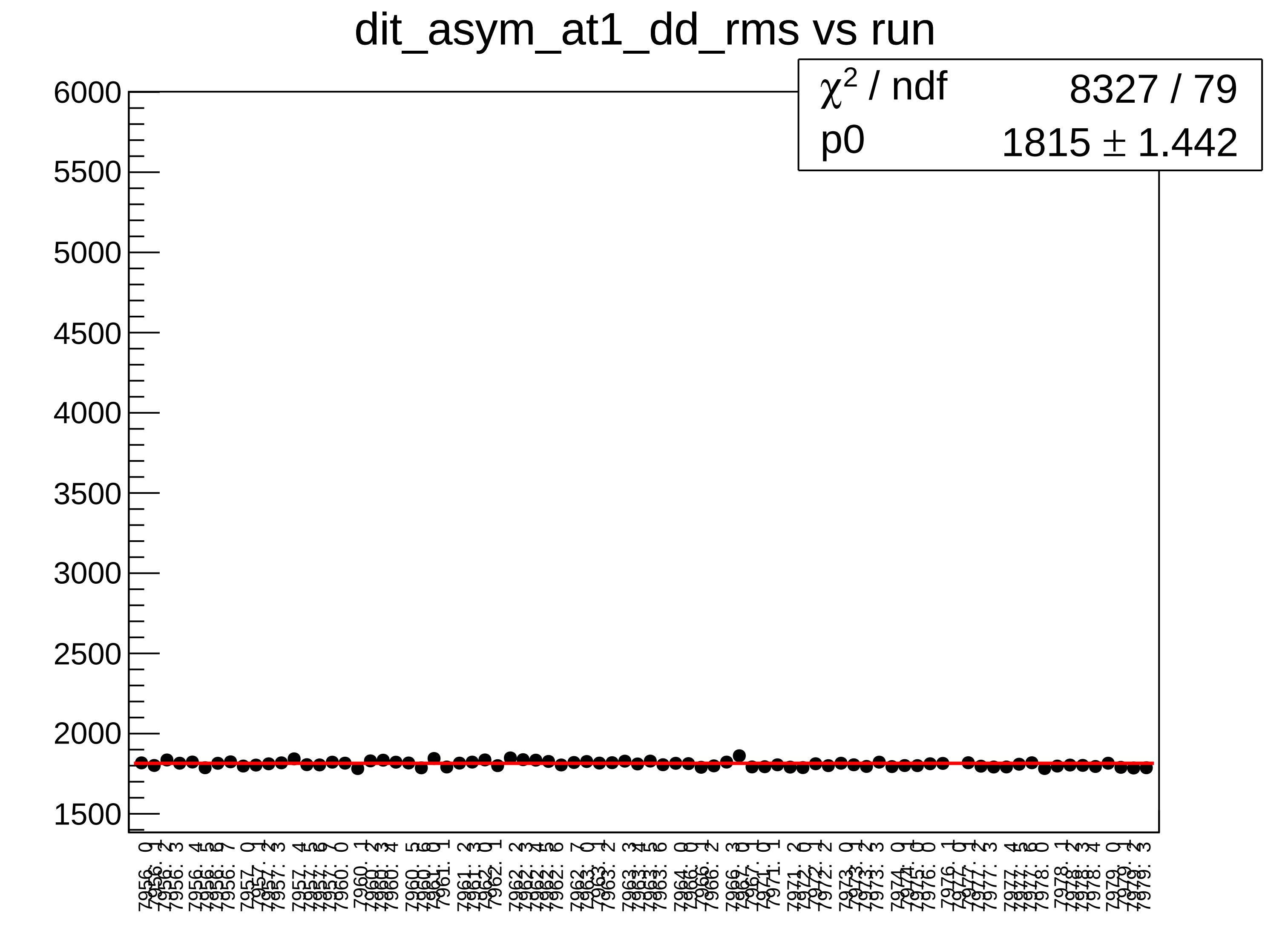

asym_at1_avg_mean vs run
χ^2 / ndf 59.69 / 79
p0 −6027 ± 2233
pull
Entries 80
Mean −88.45
Std Dev 130.5
pull1D
Entries 80
Mean −0.01821
Std Dev 0.8636

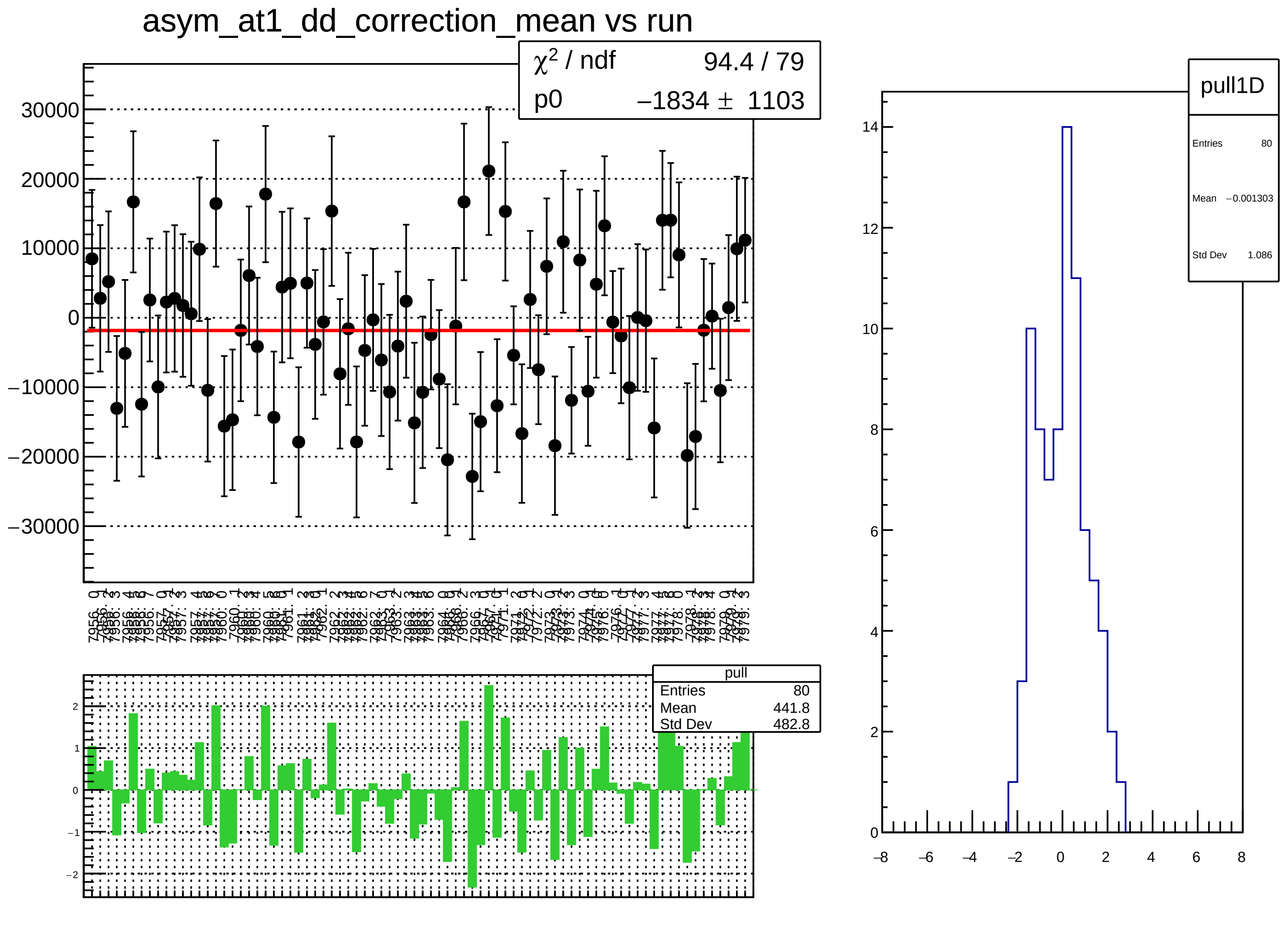


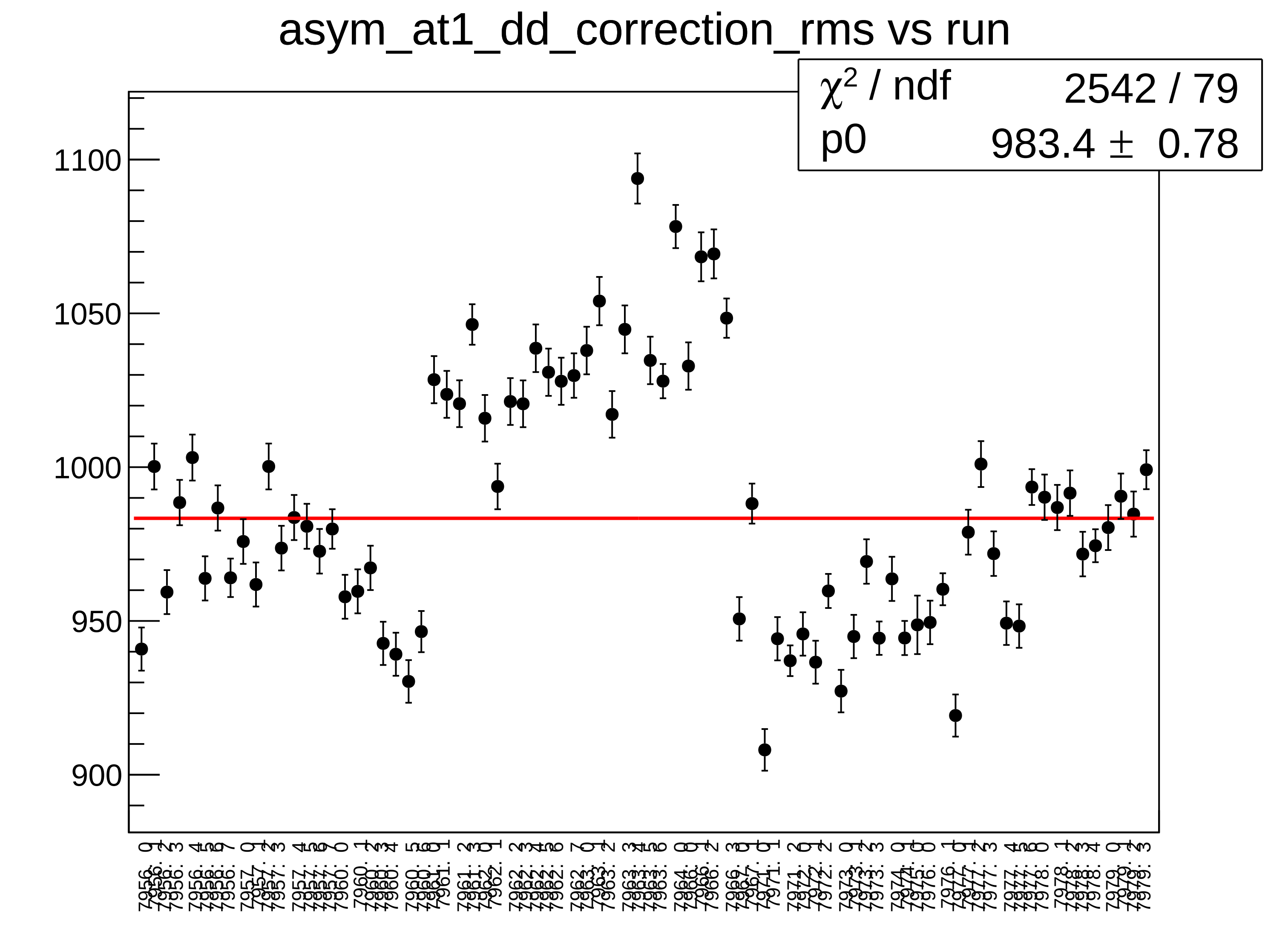
asym_at1_avg_rms vs run
χ^2 / ndf 1.124e+04 / 79
p0 1985 ± 1.579
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

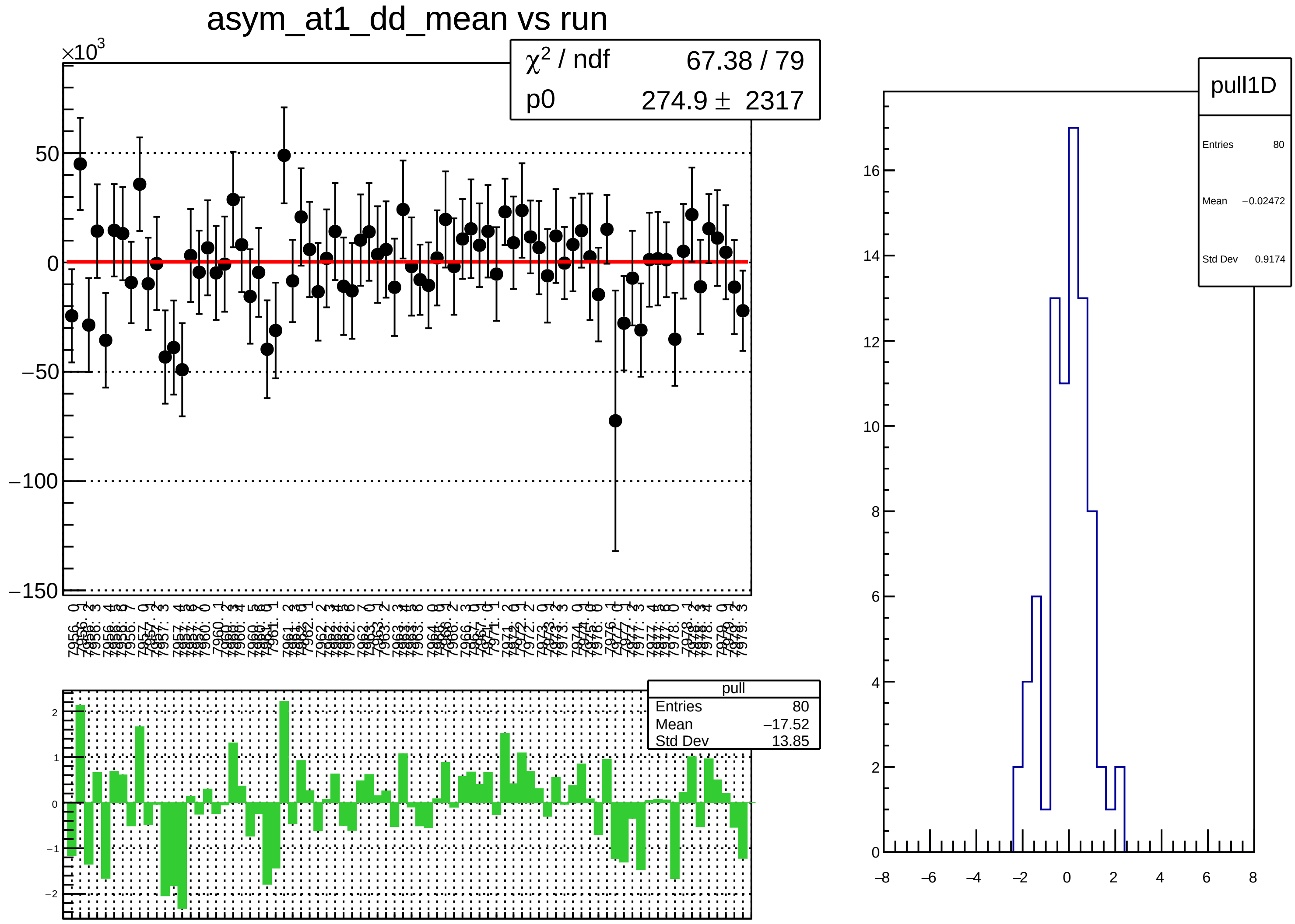


dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 84.65 / 79
p0 −1539 ± 2039
pull
Entries 80
Mean −10.18
Std Dev 29.54
pull1D
Entries 80
Mean −0.02798
Std Dev 1.028

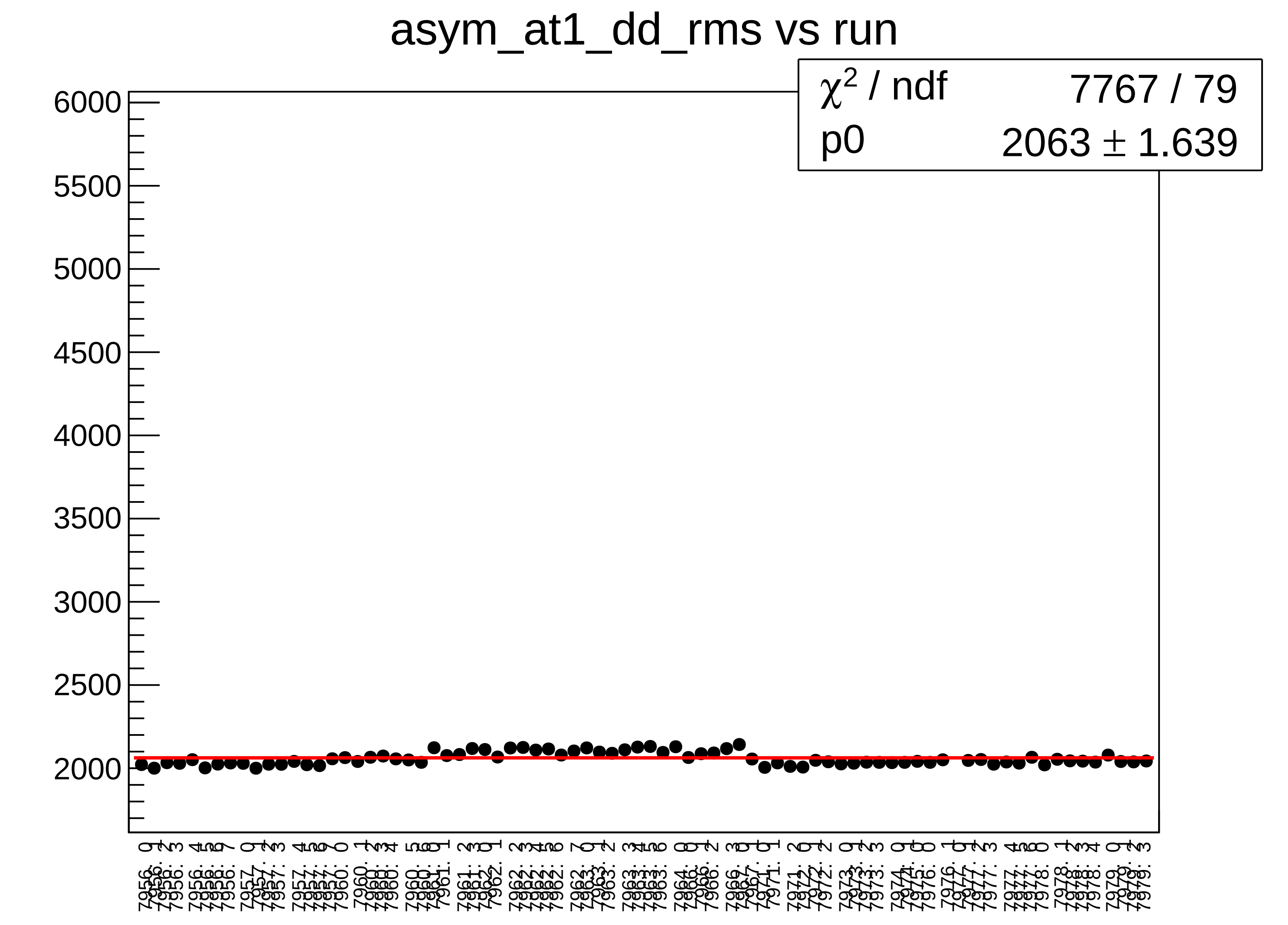

dit_asym_at1_dd_rms vs run
χ2 / ndf 8327 / 79
p0 1815 ± 1.442
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_dd_correction_mean vs run
χ2 / ndf 94.4 / 79
p0 −1834 ± 1103
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 441.8
Std Dev 482.8
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.001303
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

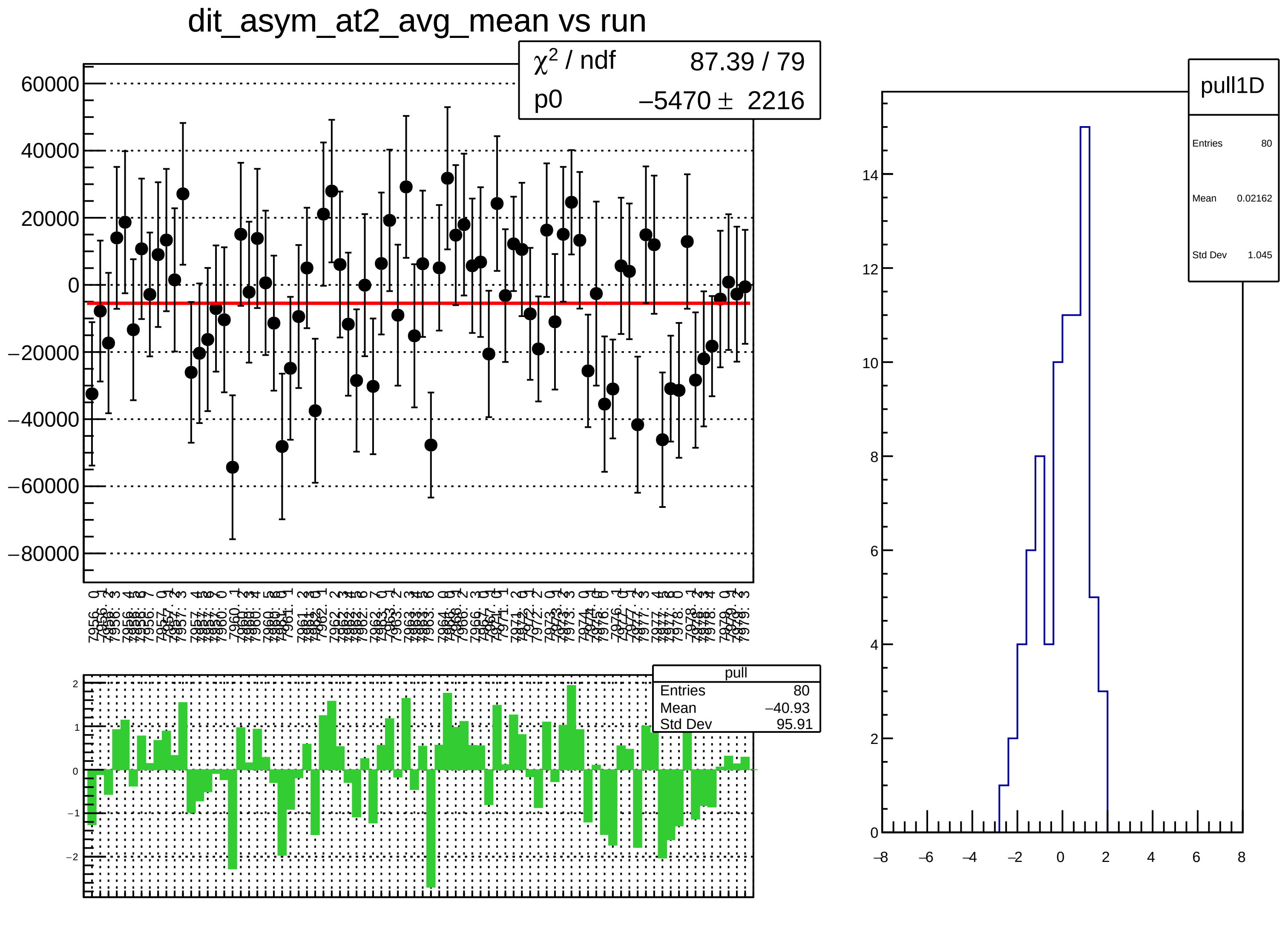

asym_at1_dd_correction_rms vs run
χ^2 / ndf 2542 / 79
p0 983.4 ± 0.78
1100
1050
1000
950
900



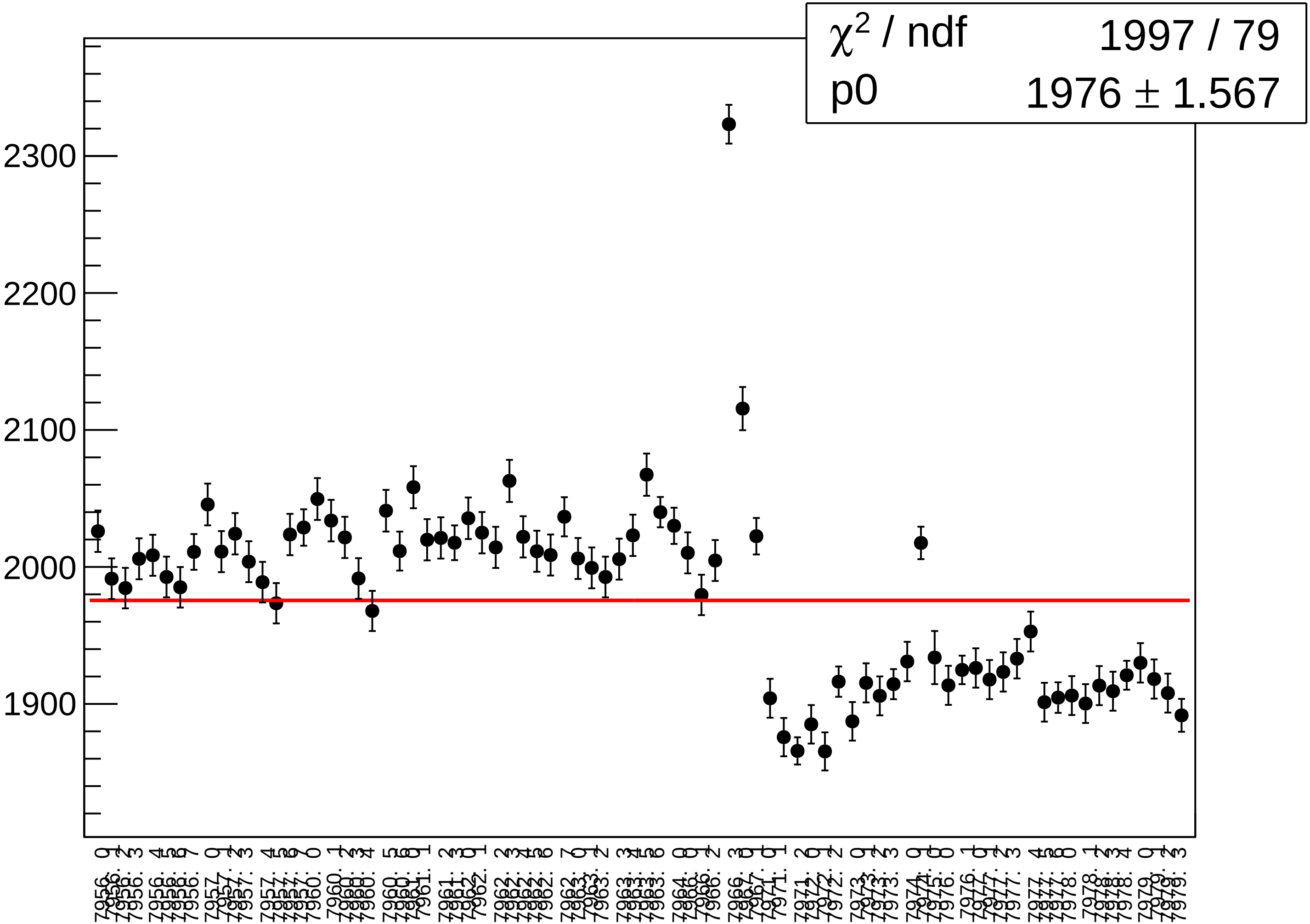
asym_at1_dd_mean vs run
×10³
χ^2 / ndf 67.38 / 79
p0 274.9 ± 2317
50
0
−50
−100
−150
pull
Entries 80
Mean −17.52
Std Dev 13.85
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02472
Std Dev 0.9174
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

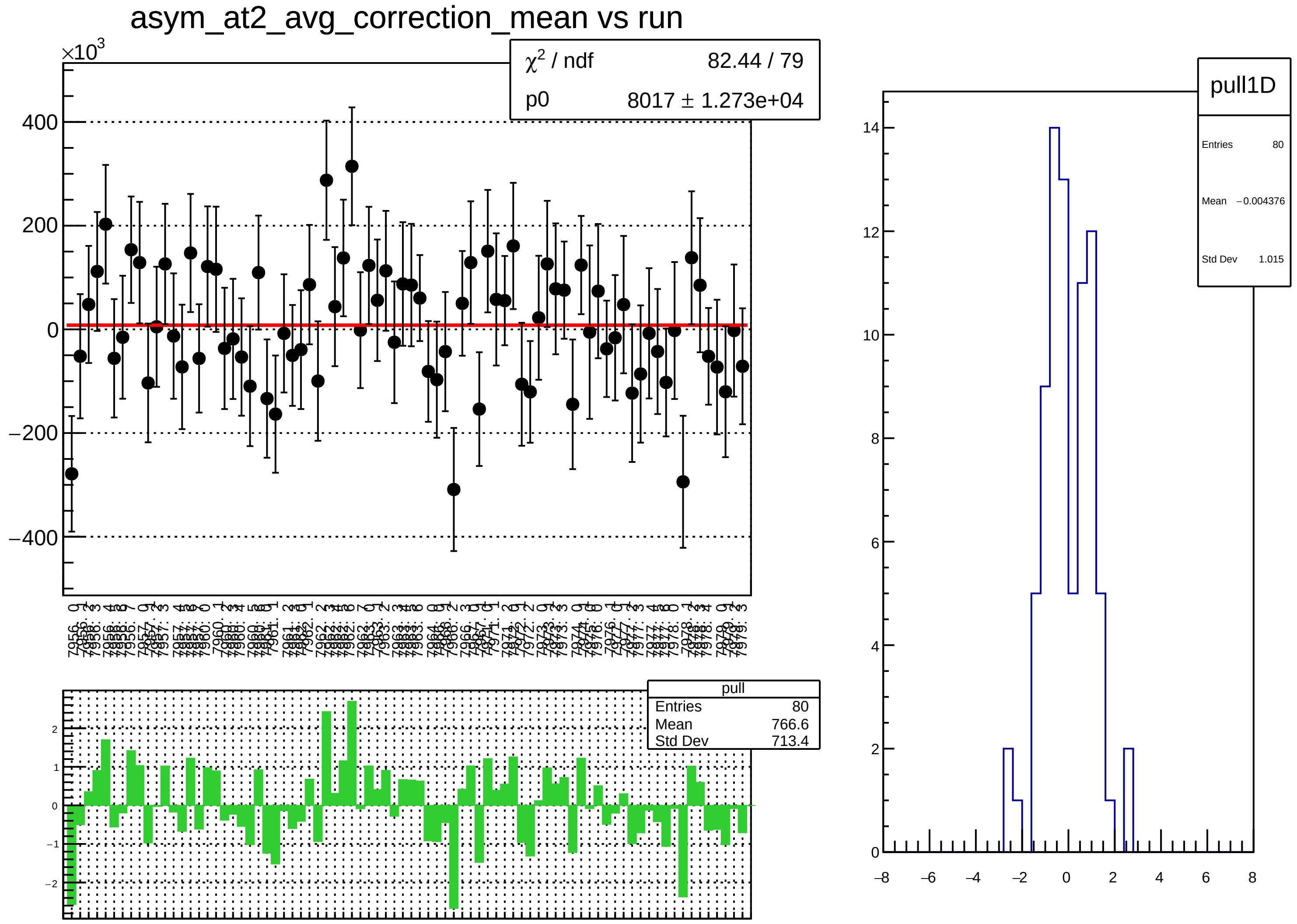


asym_at1_dd_rms vs run
χ^2 / ndf 7767 / 79
p0 2063 ± 1.639

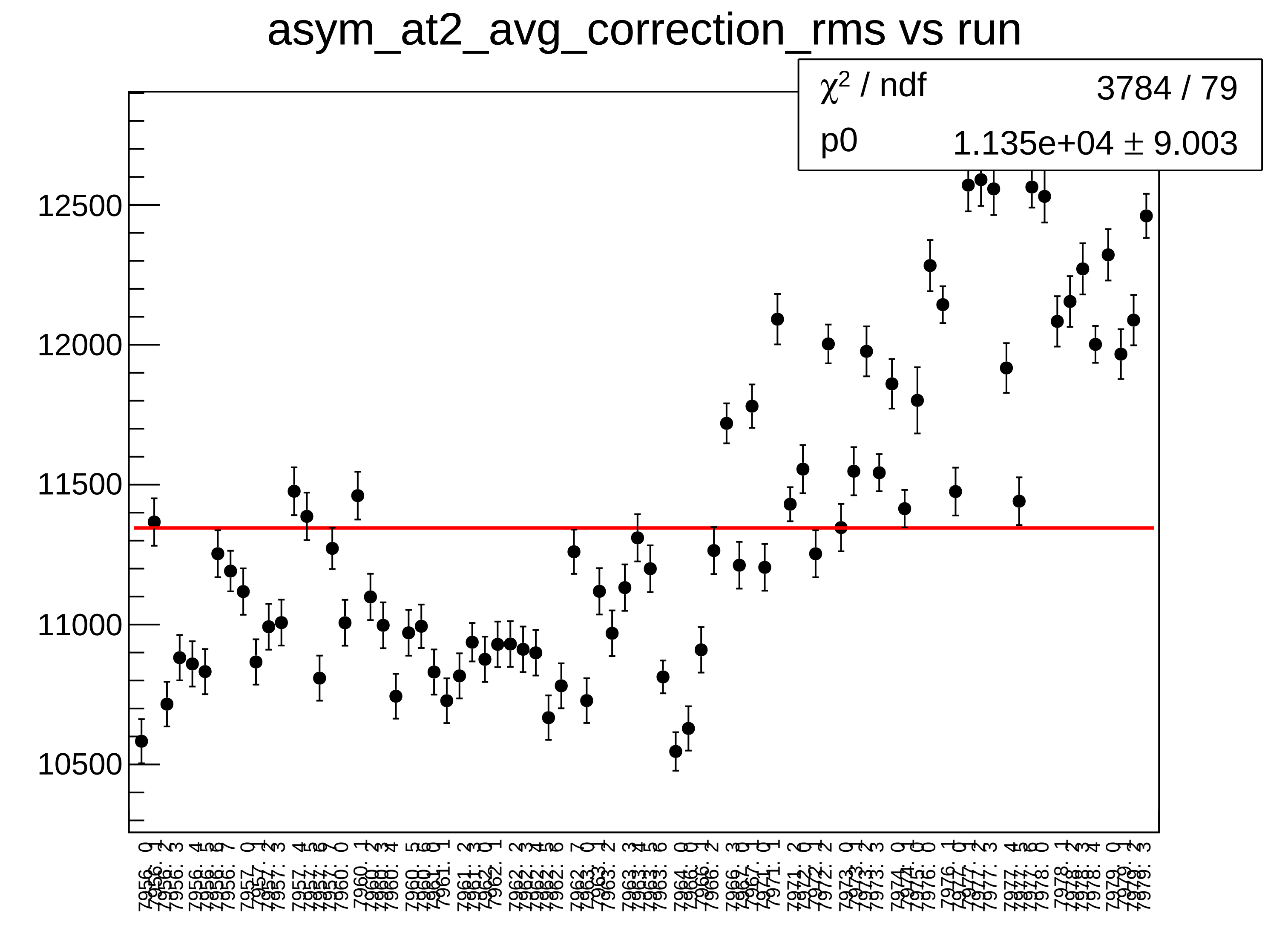

dit_asym_at2_avg_mean vs run
χ2 / ndf 87.39 / 79
p0 −5470 ± 2216
pull
Entries 80
Mean −40.93
Std Dev 95.91
pull1D
Entries 80
Mean 0.02162
Std Dev 1.045

dit_asym_at2_avg_rms vs run



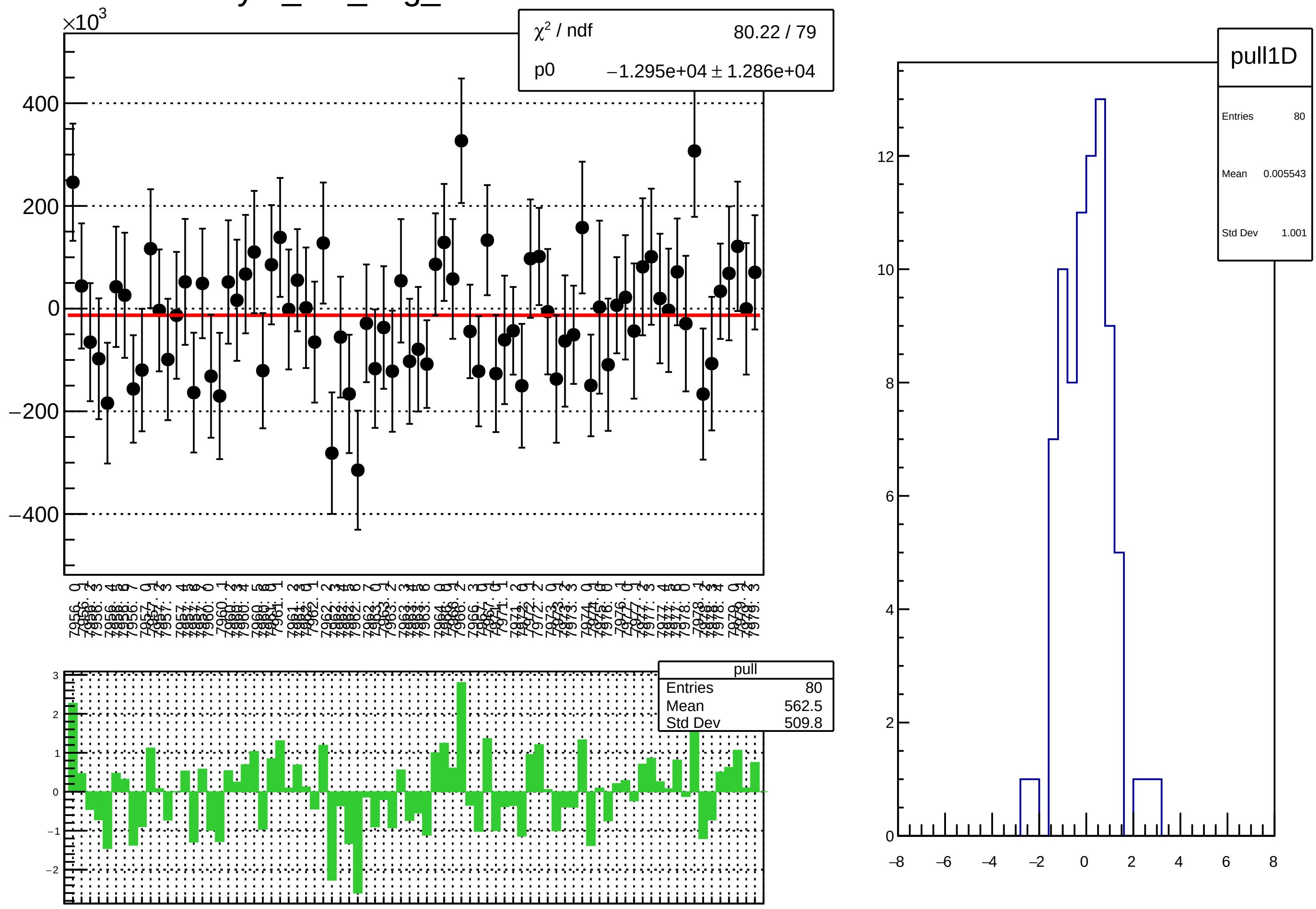


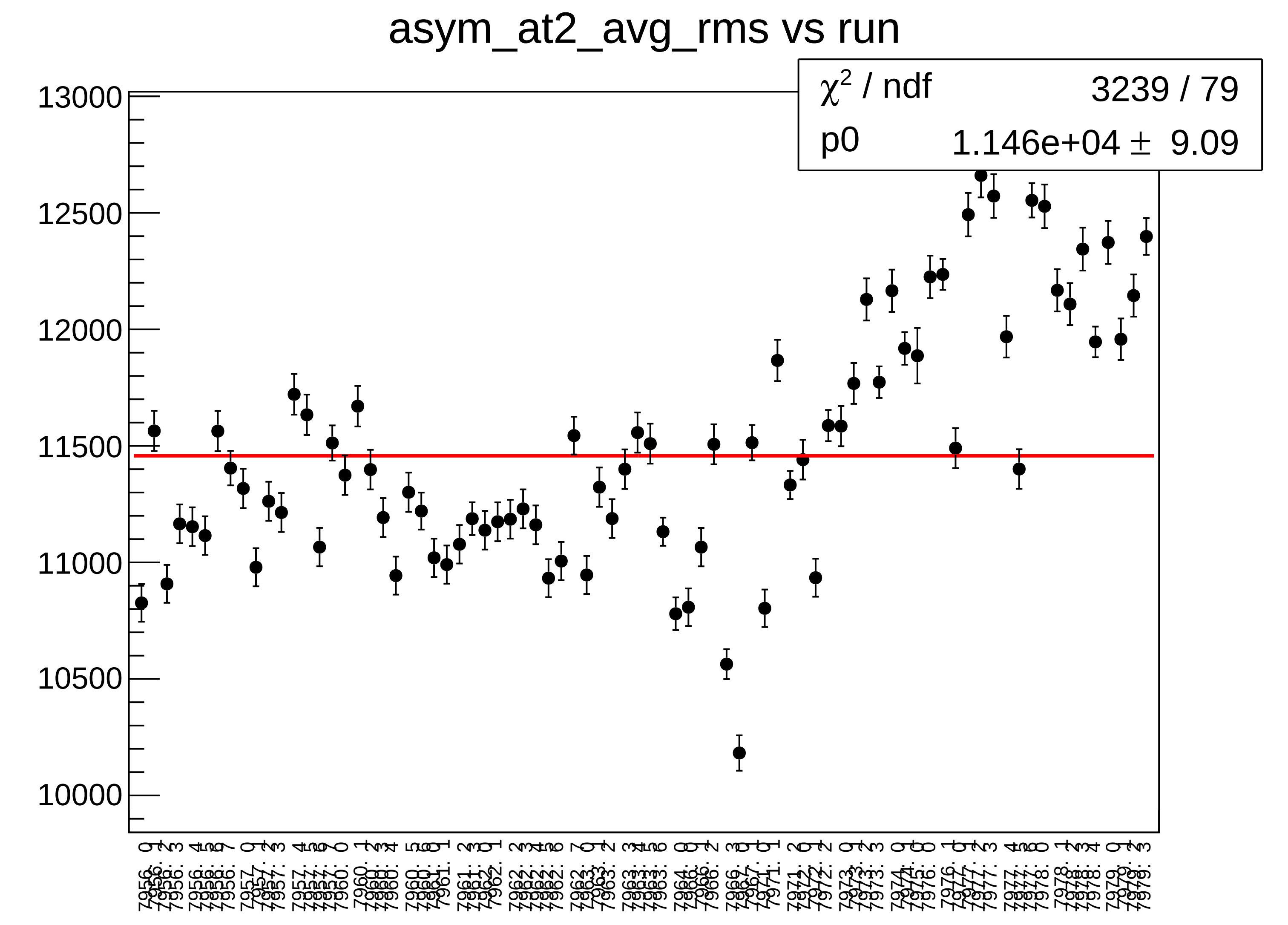
asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 82.44 / 79
p0 8017 ± 1.273e+04
pull
Entries 80
Mean 766.6
Std Dev 713.4
pull1D
Entries 80
Mean −0.004376
Std Dev 1.015

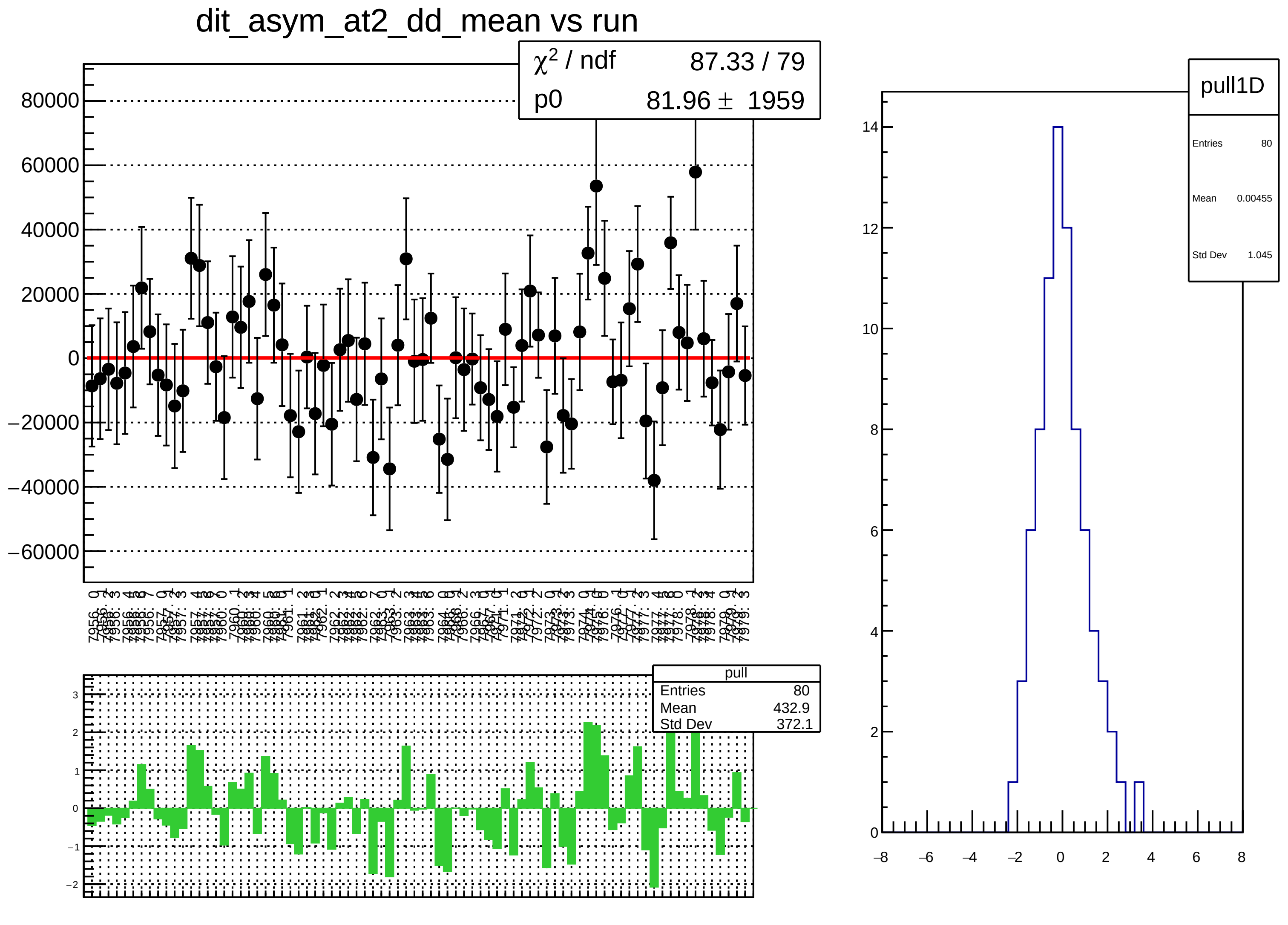


asym_at2_avg_correction_rms vs run
χ^2 / ndf 3784 / 79
p0 1.135e+04 ± 9.003
12500
12000
11500
11000
10500

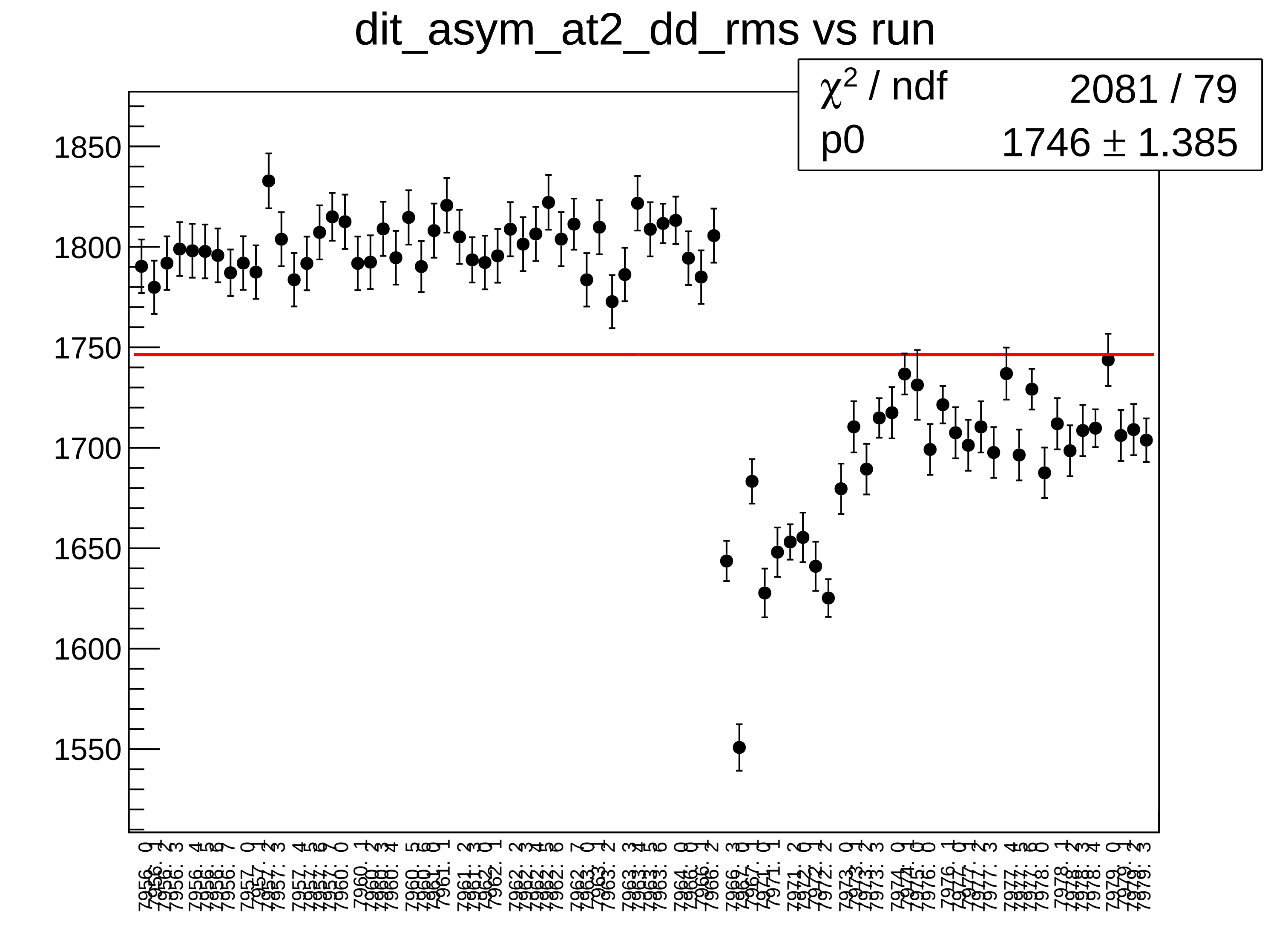
asym_at2_avg_mean vs run




asym_at2_avg_rms vs run
χ^2 / ndf 3239 / 79
p0 1.146e+04 ± 9.09
13000
12500
12000
11500
11000
10500
10000

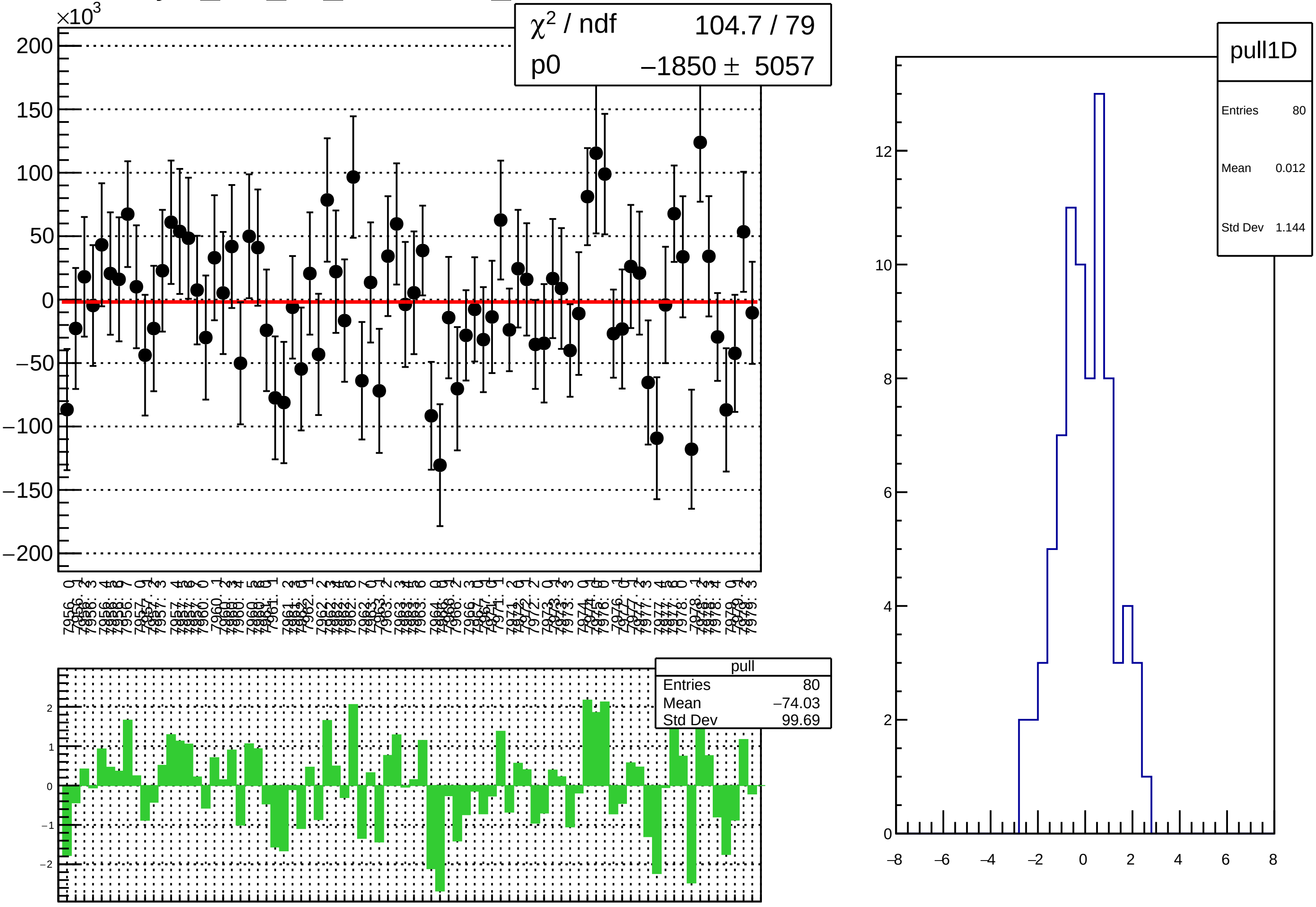


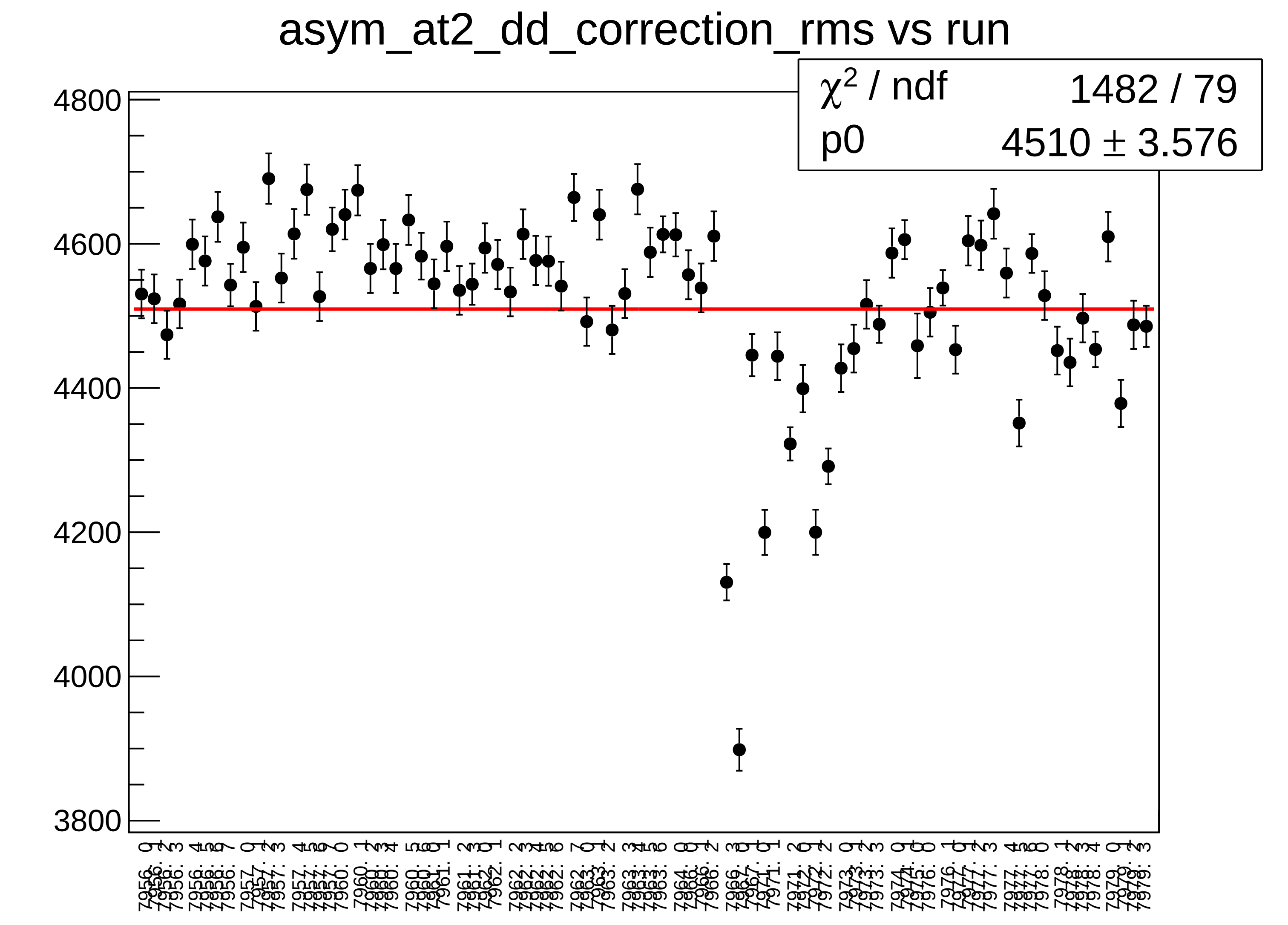
dit_asym_at2_dd_mean vs run
χ^2 / ndf 87.33 / 79
p0 81.96 ± 1959
pull
Entries 80
Mean 432.9
Std Dev 372.1
pull1D
Entries 80
Mean 0.00455
Std Dev 1.045

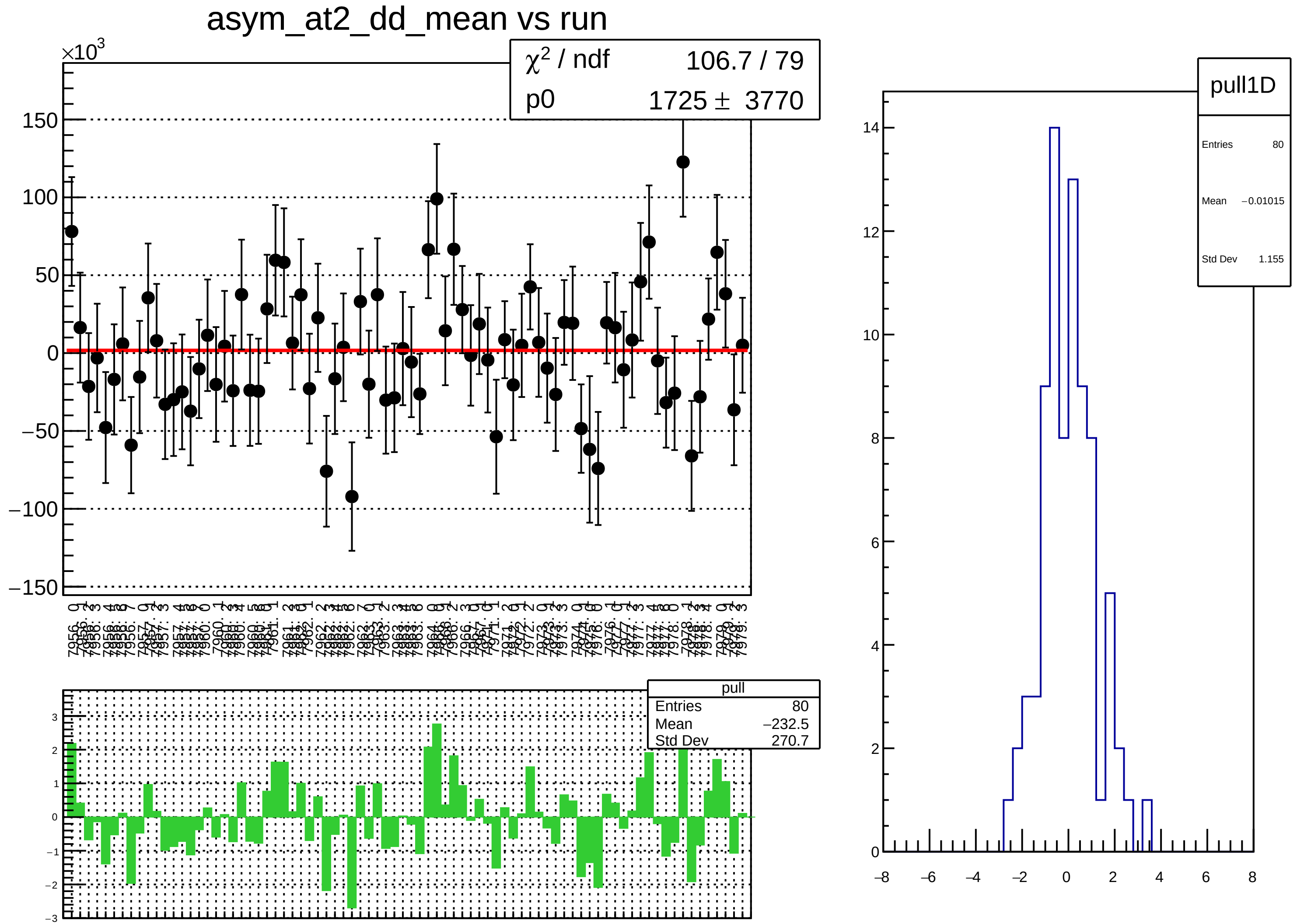


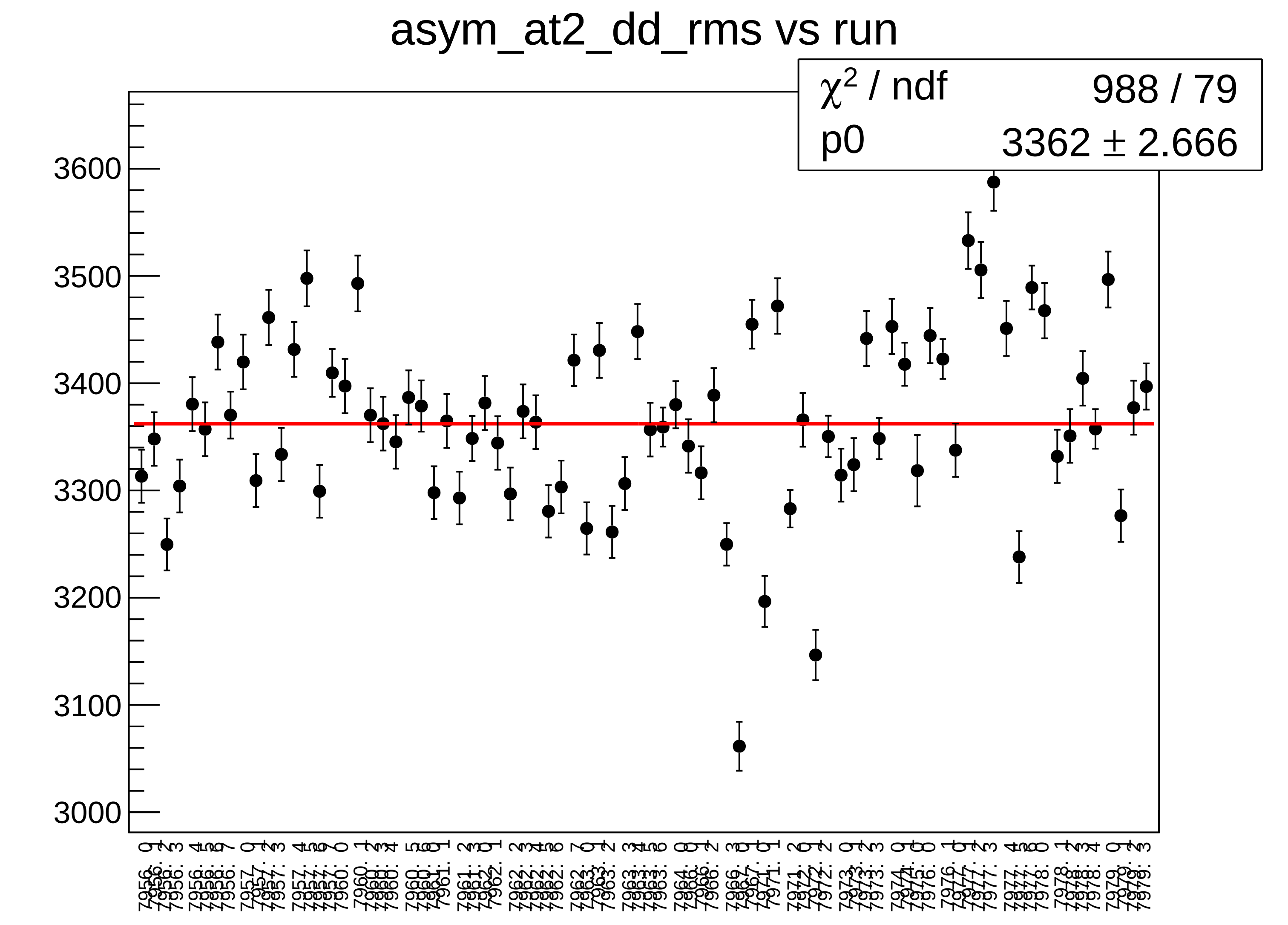
dit_asym_at2_dd_rms vs run
χ2 / ndf 2081 / 79
p0 1746 ± 1.385
1850
1800
1750
1700
1650
1600
1550

asym_at2_dd_correction_mean vs run

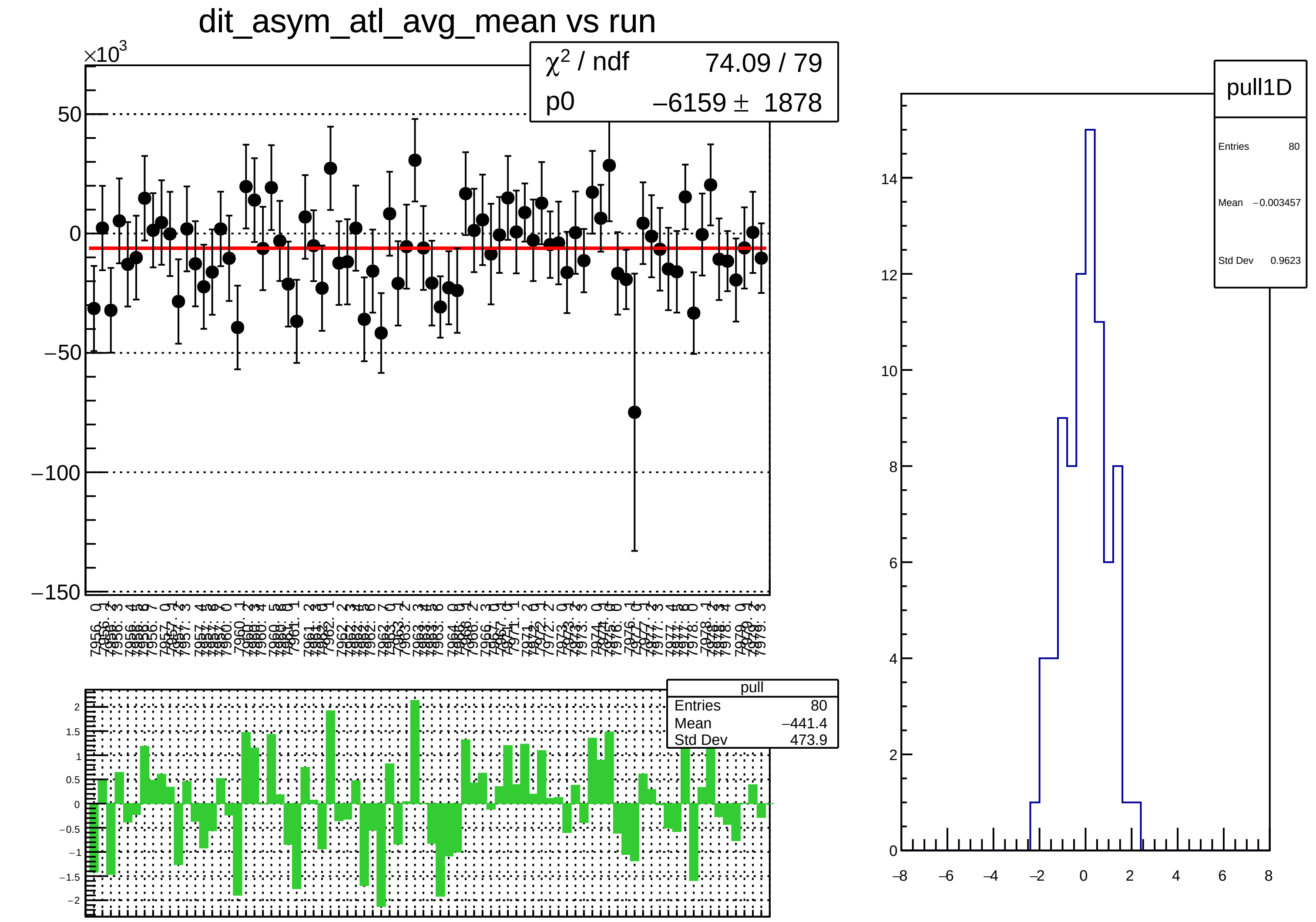



asym_at2_dd_correction_rms vs run
χ2 / ndf 1482 / 79
p0 4510 ± 3.576
4800
4600
4400
4200
4000
3800

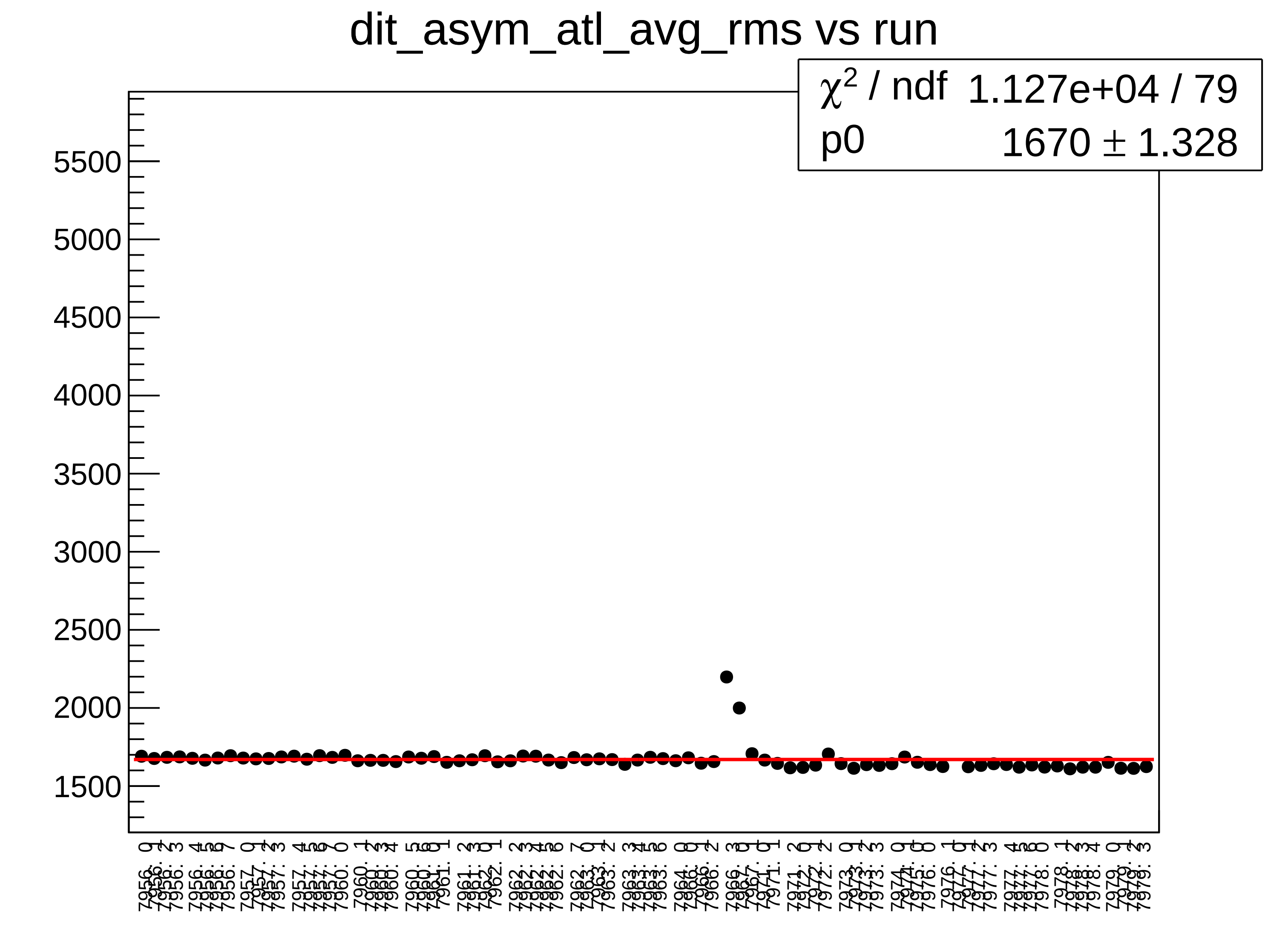

asym_at2_dd_mean vs run
×10^3
χ2 / ndf 106.7 / 79
p0 1725 ± 3770
pull
Entries 80
Mean −232.5
Std Dev 270.7
pull1D
Entries 80
Mean −0.01015
Std Dev 1.155

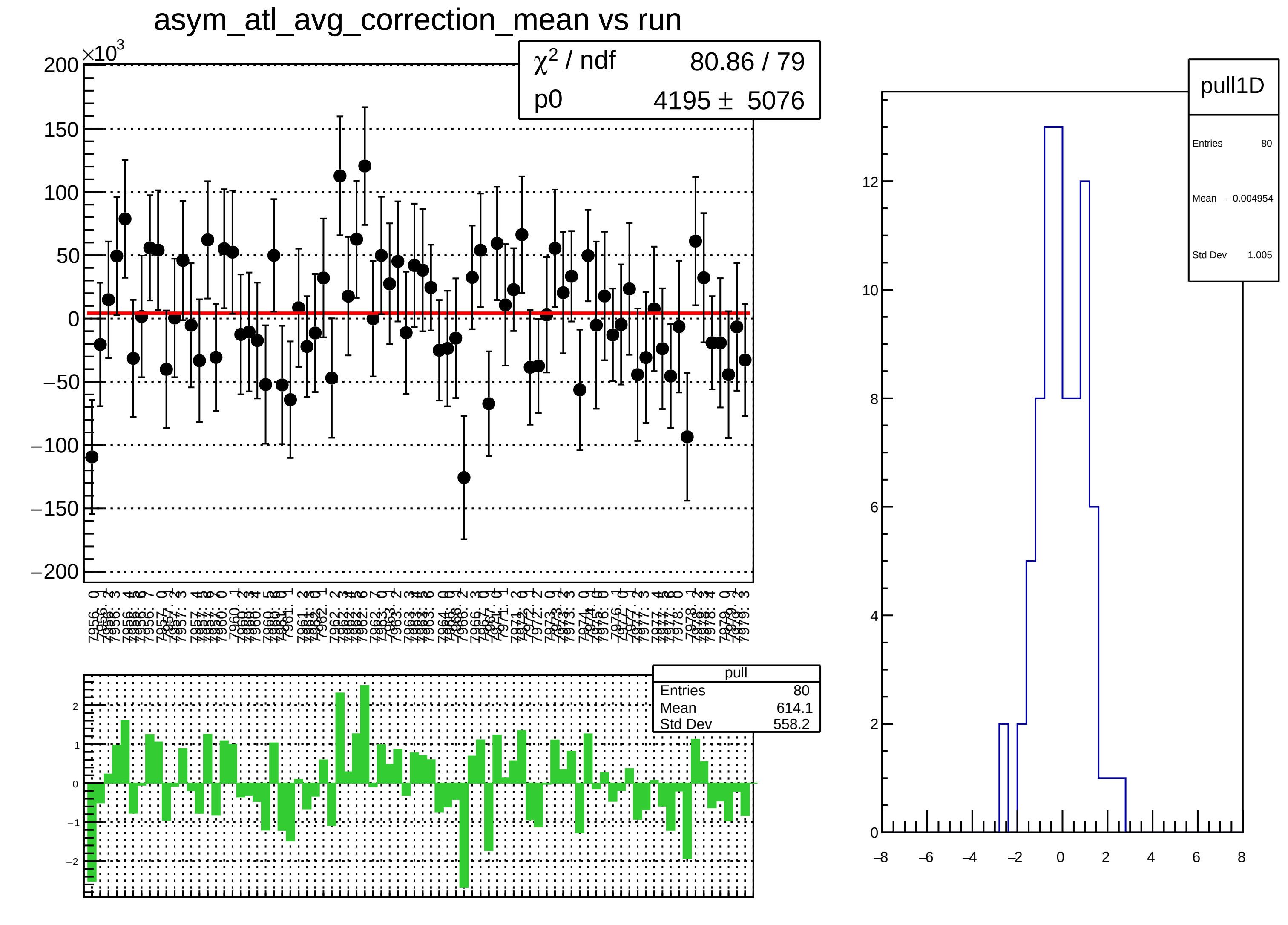


asym_at2_dd_rms vs run
χ2 / ndf 988 / 79
p0 3362 ± 2.666
3600
3500
3400
3300
3200
3100
3000

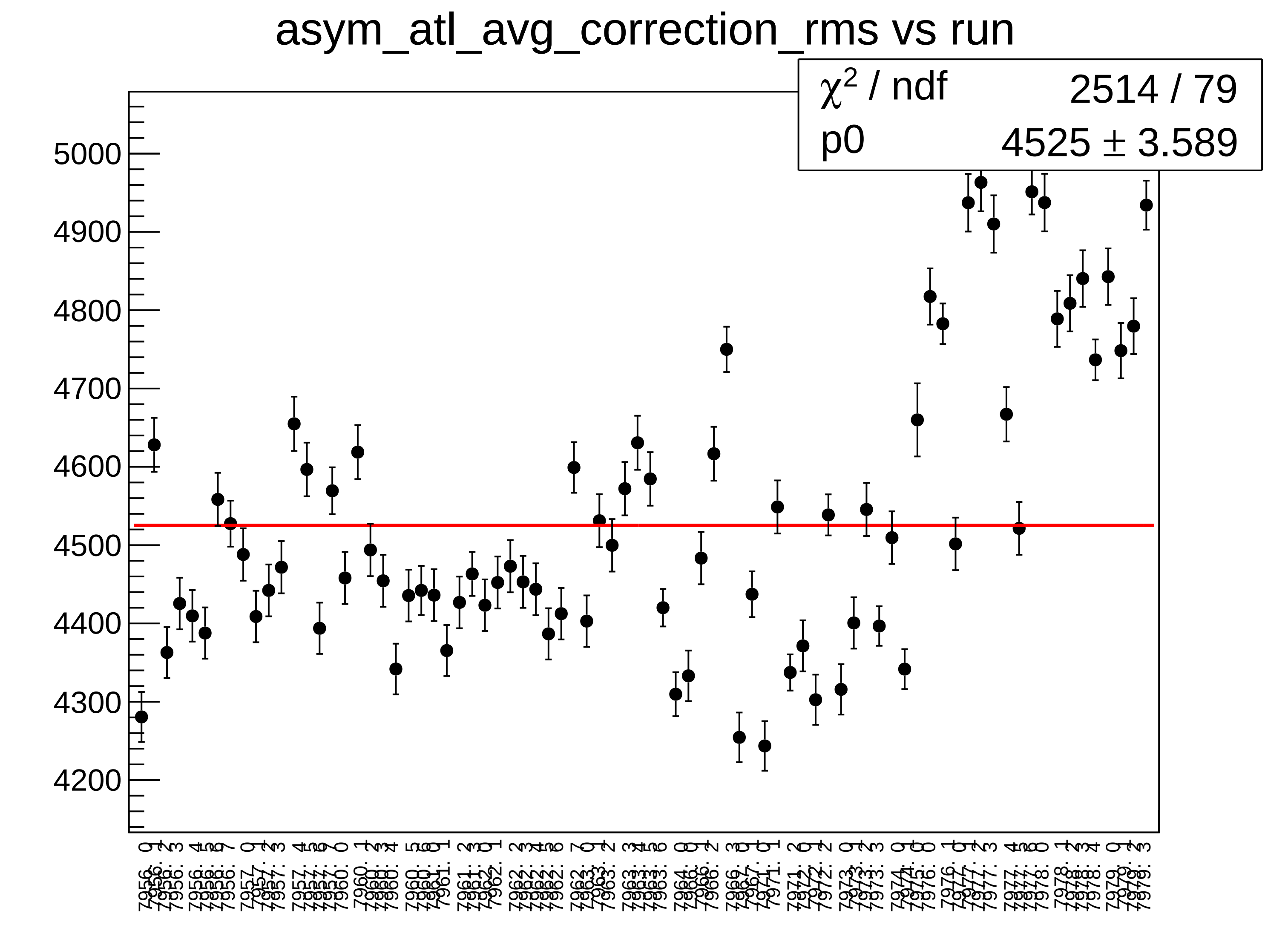


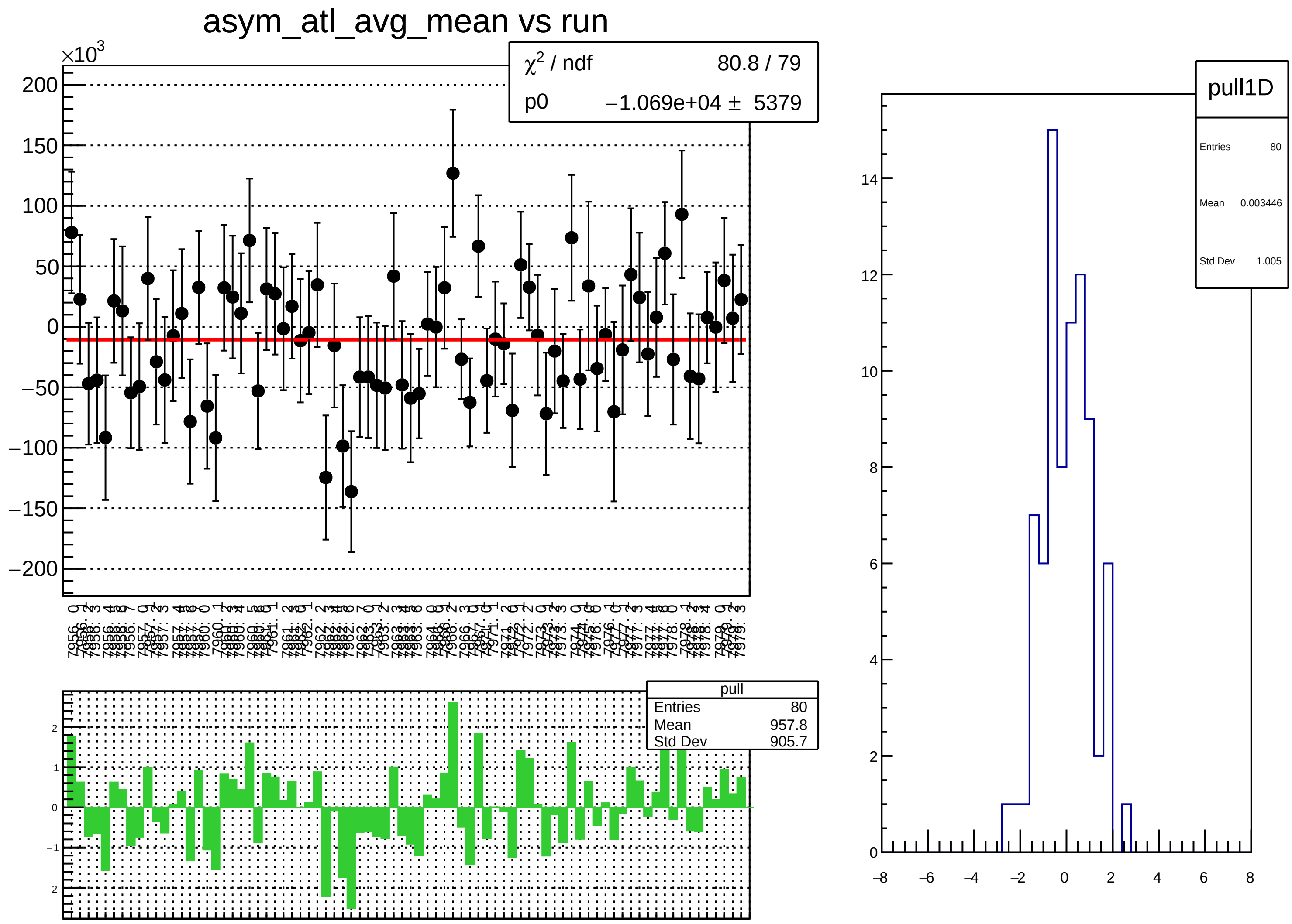
dit_asym_atl_avg_mean vs run
χ^2 / ndf 74.09 / 79
p0 −6159 ± 1878
pull
Entries 80
Mean −441.4
Std Dev 473.9
pull1D
Entries 80
Mean −0.003457
Std Dev 0.9623


dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.127e+04 / 79
p0 1670 ± 1.328
5500
5000
4500
4000
3500
3000
2500
2000
1500

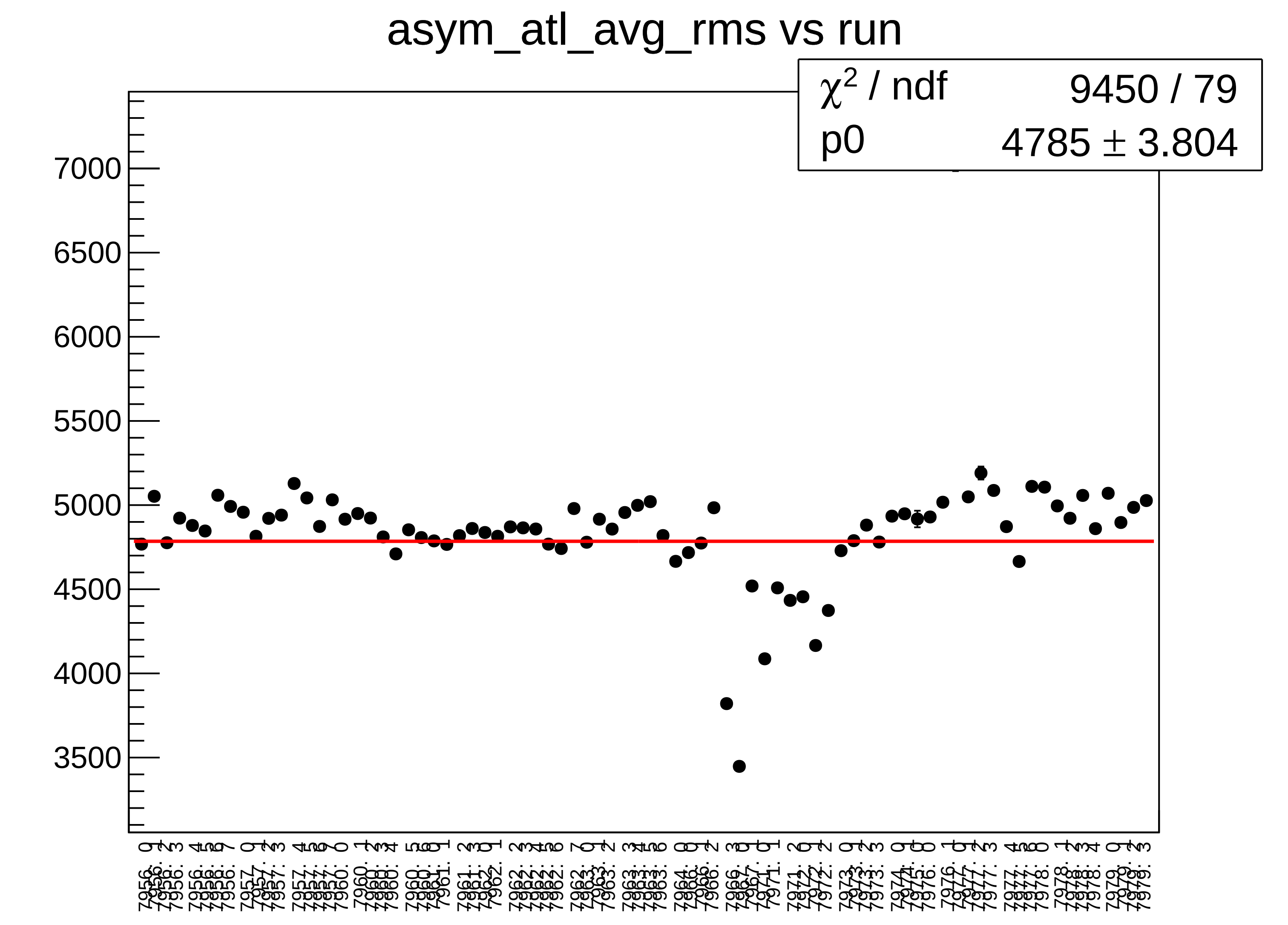


asym_atl_avg_correction_mean vs run
χ^2 / ndf 80.86 / 79
p0 4195 ± 5076
×10^3
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 614.1
Std Dev 558.2
pull1D
Entries 80
Mean −0.004954
Std Dev 1.005

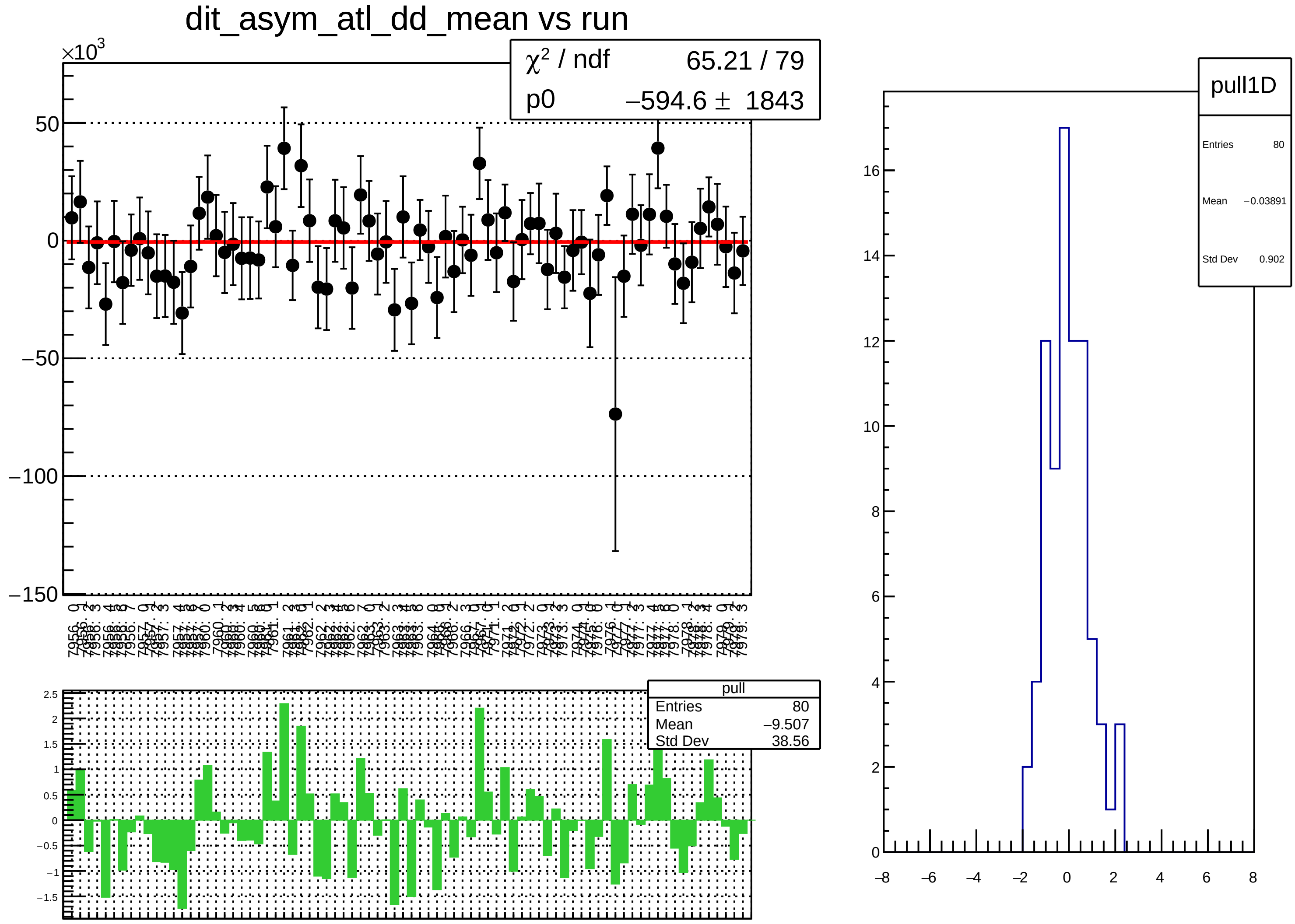

asym_atl_avg_correction_rms vs run
χ2 / ndf 2514 / 79
p0 4525 ± 3.589
5000
4900
4800
4700
4600
4500
4400
4300
4200

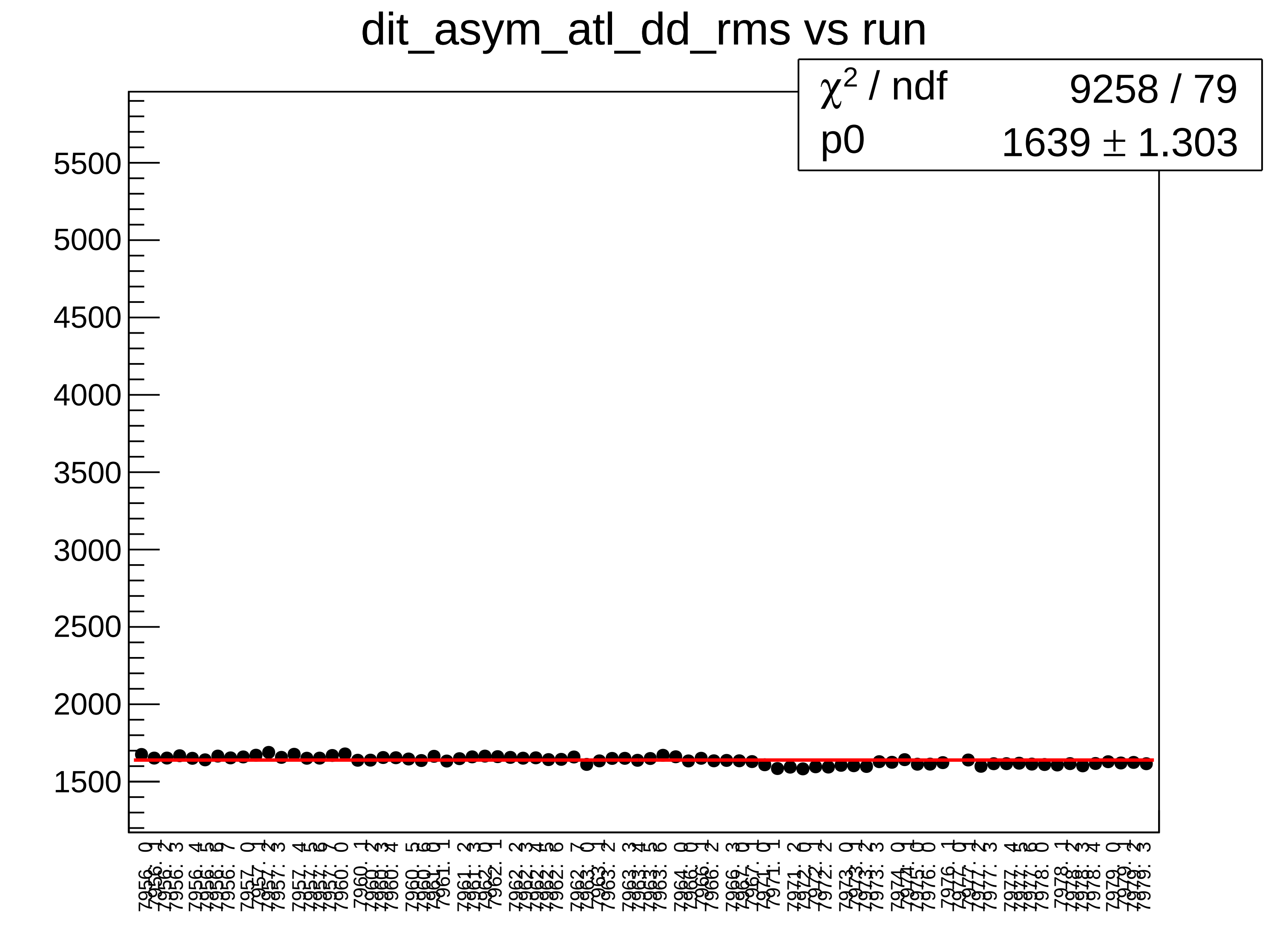


asym_atl_avg_mean vs run
×10^3
χ2 / ndf 80.8 / 79
p0 −1.069e+04 ± 5379
pull
Entries 80
Mean 957.8
Std Dev 905.7
pull1D
Entries 80
Mean 0.003446
Std Dev 1.005

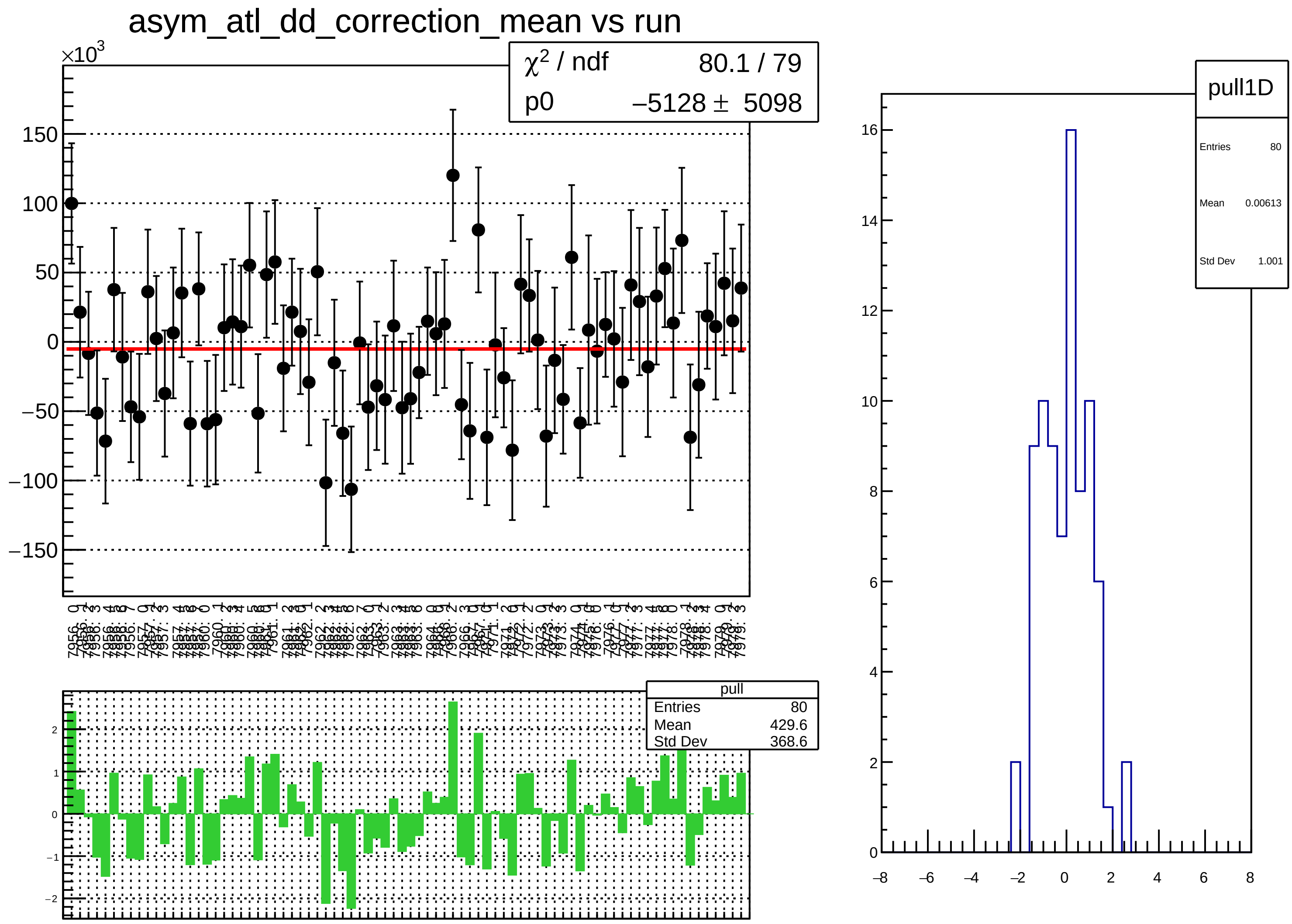


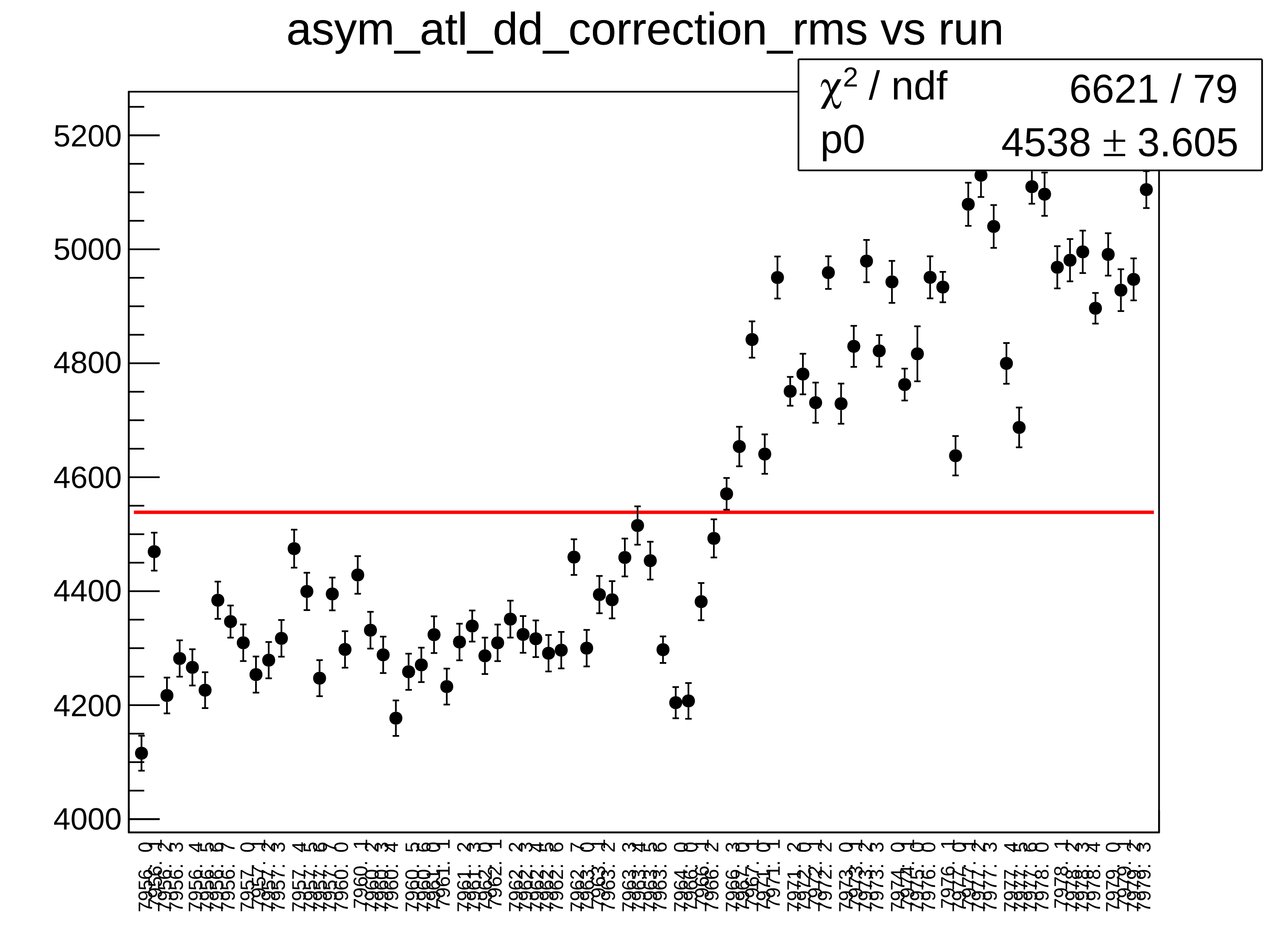
asym_atl_avg_rms vs run
χ^2 / ndf 9450 / 79
p0 4785 ± 3.804
7000
6500
6000
5500
5000
4500
4000
3500

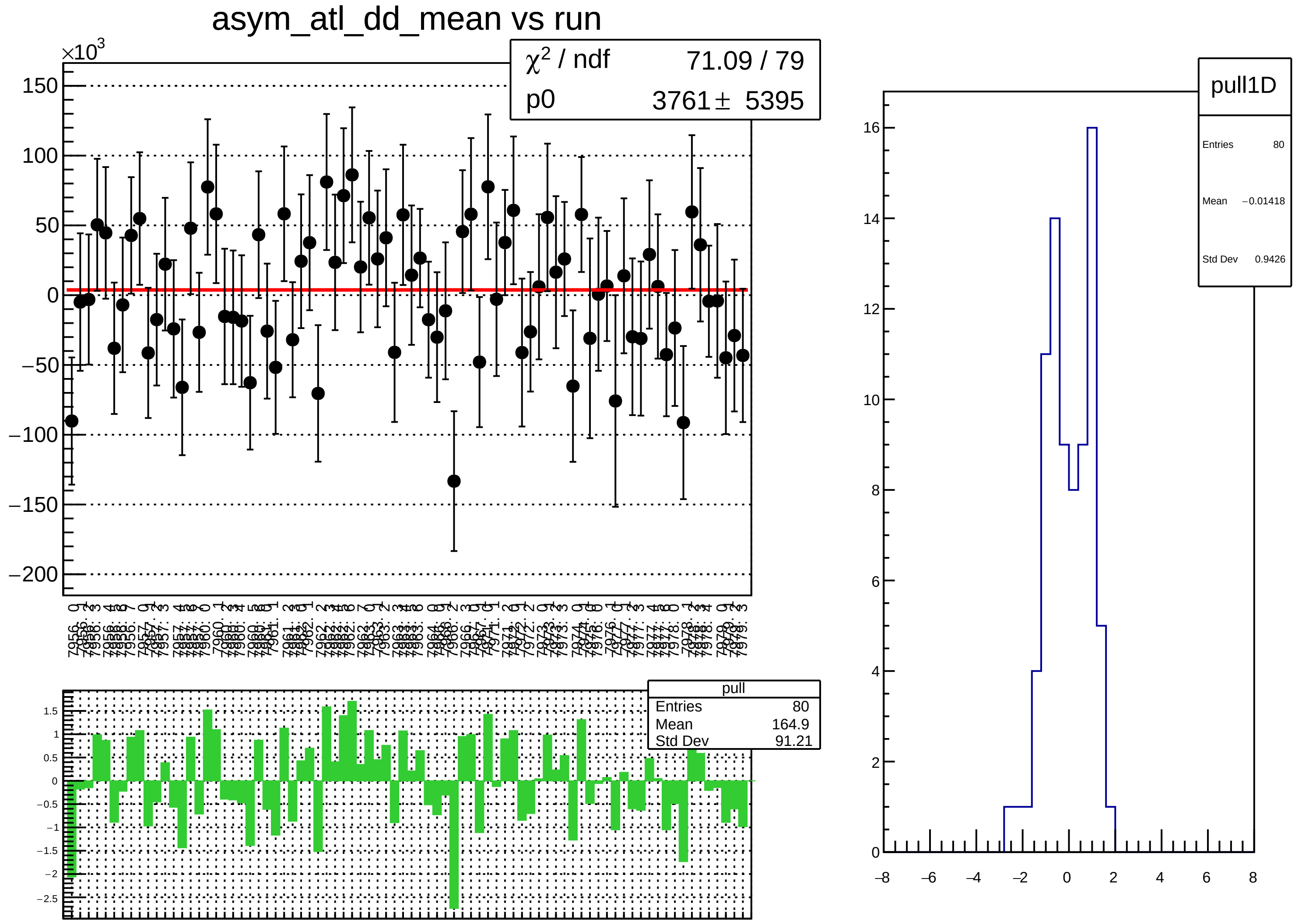

dit_asym_atl_dd_mean vs run
×10^3
χ2 / ndf 65.21 / 79
p0 −594.6 ± 1843
50
0
−50
−100
−150
pull
Entries 80
Mean −9.507
Std Dev 38.56
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.03891
Std Dev 0.902
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

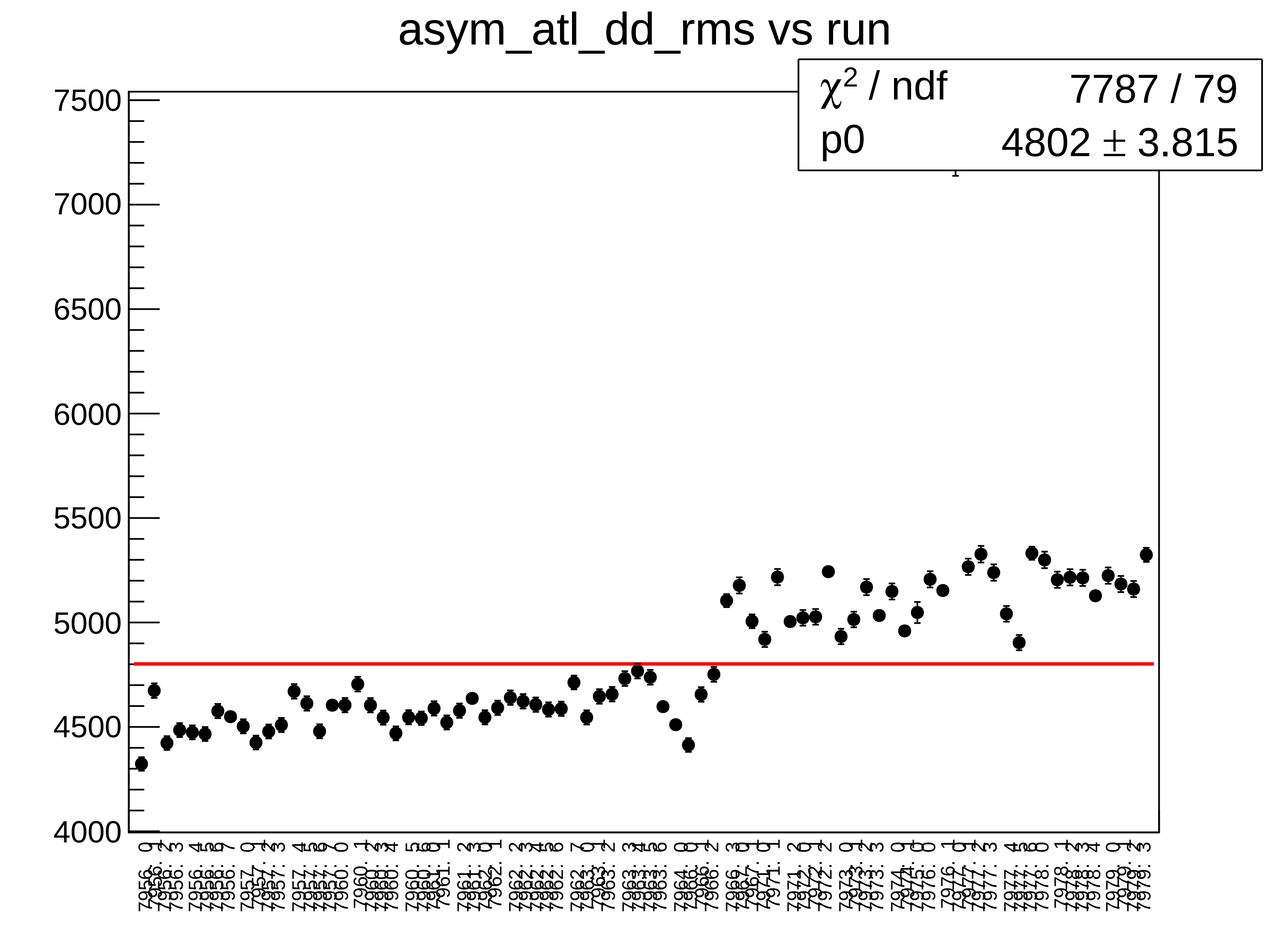


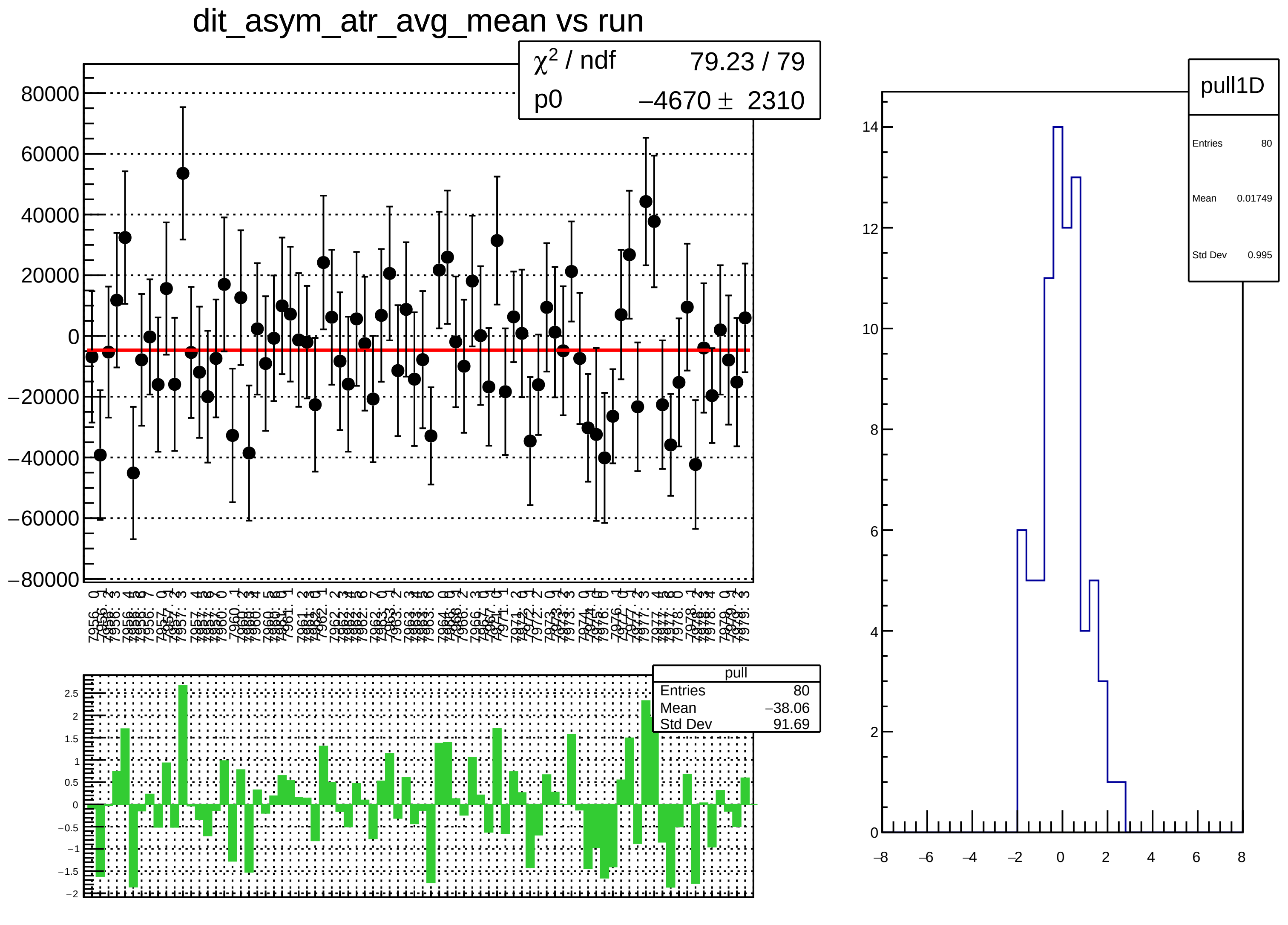
dit_asym_atl_dd_rms vs run
χ2 / ndf 9258 / 79
p0 1639 ± 1.303
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_dd_correction_mean vs run
×10^3
χ2 / ndf 80.1 / 79
p0 −5128 ± 5098
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean 429.6
Std Dev 368.6
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.00613
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

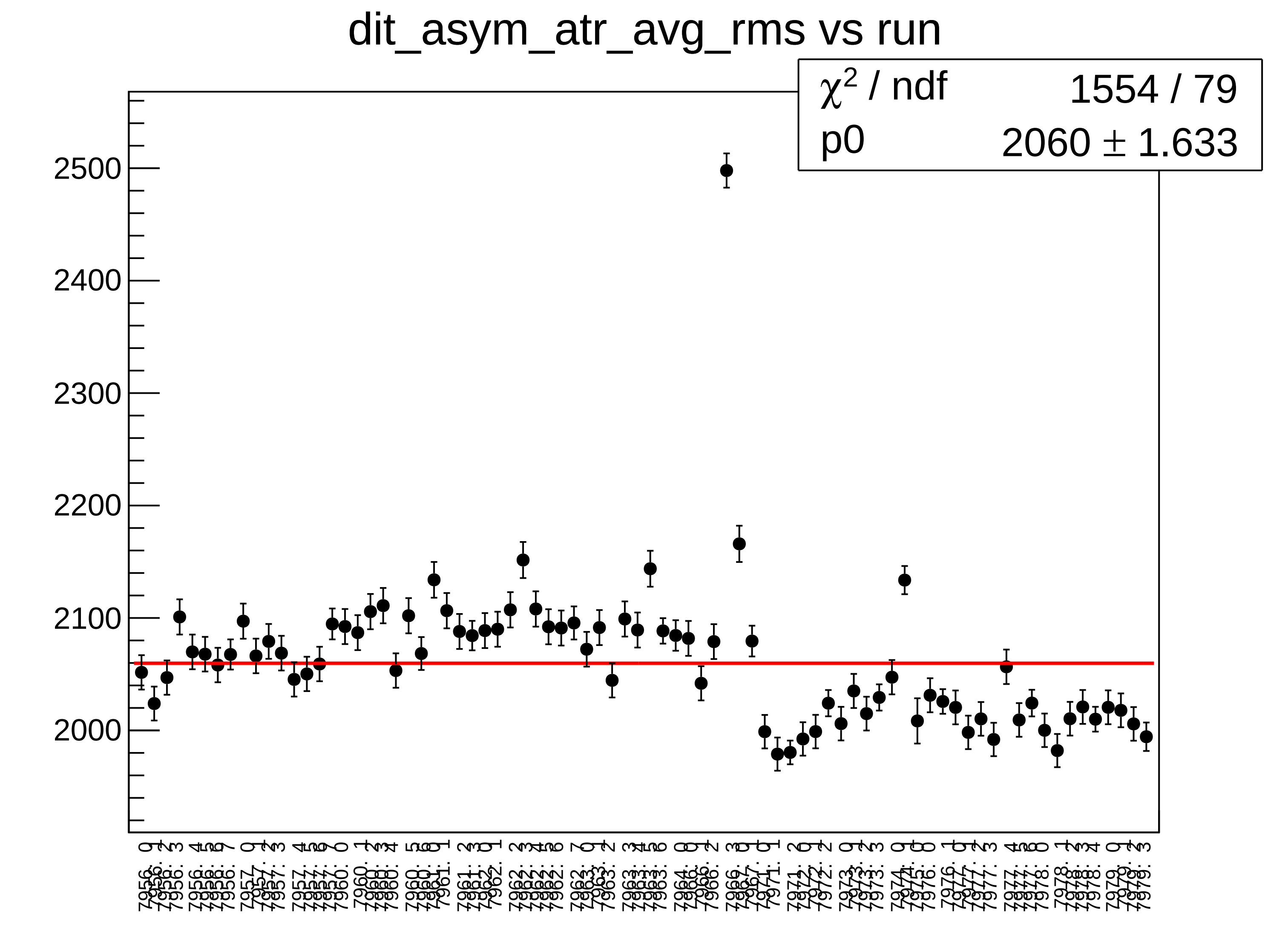

asym_atl_dd_correction_rms vs run
χ2 / ndf 6621 / 79
p0 4538 ± 3.605
5200
5000
4800
4600
4400
4200
4000

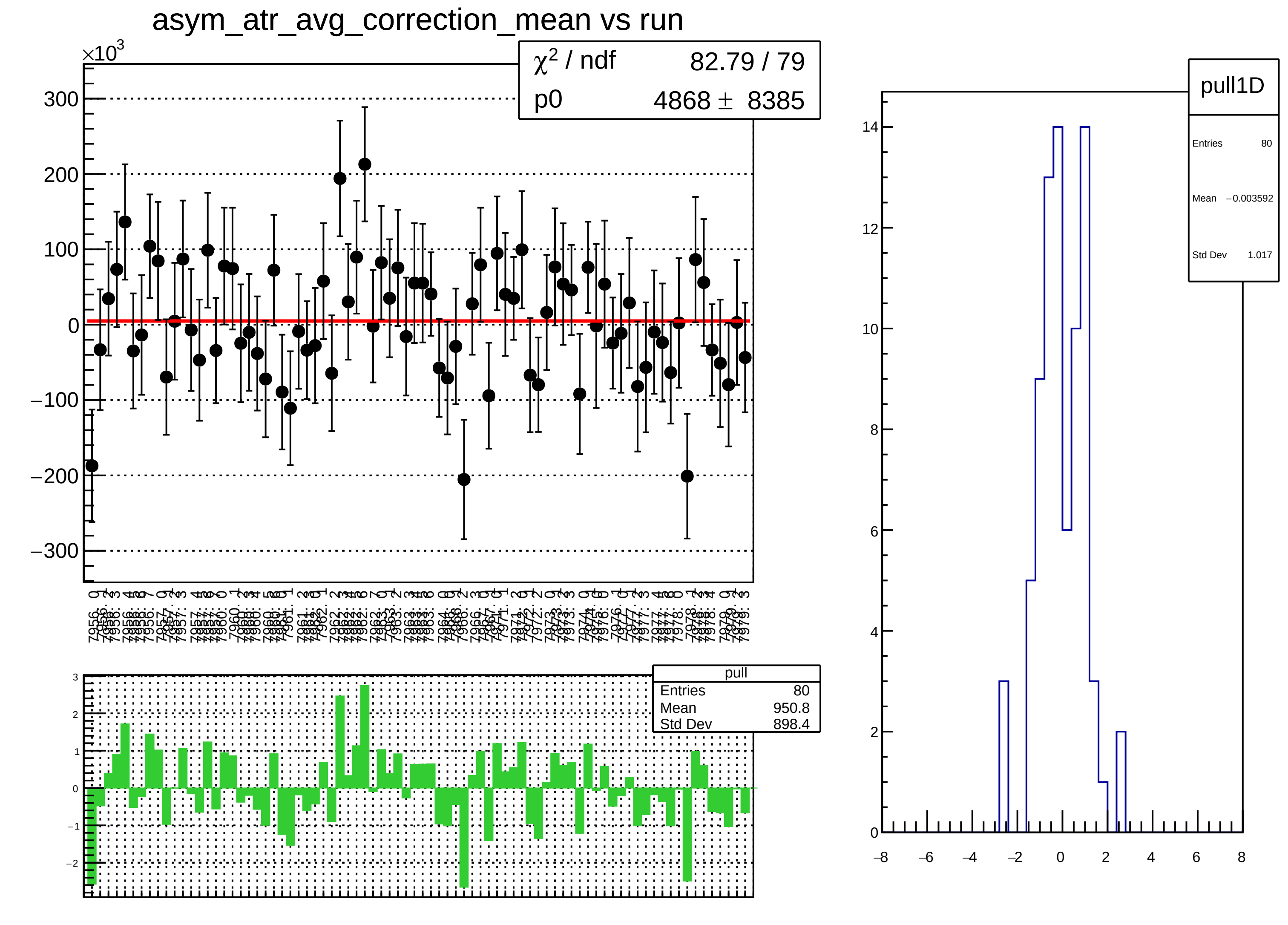

asym_atl_dd_mean vs run
χ2 / ndf 71.09 / 79
p0 3761 ± 5395
pull
Entries 80
Mean 164.9
Std Dev 91.21
pull1D
Entries 80
Mean −0.01418
Std Dev 0.9426


asym_atl_dd_rms vs run
χ2 / ndf 7787 / 79
p0 4802 ± 3.815
7500
7000
6500
6000
5500
5000
4500
4000

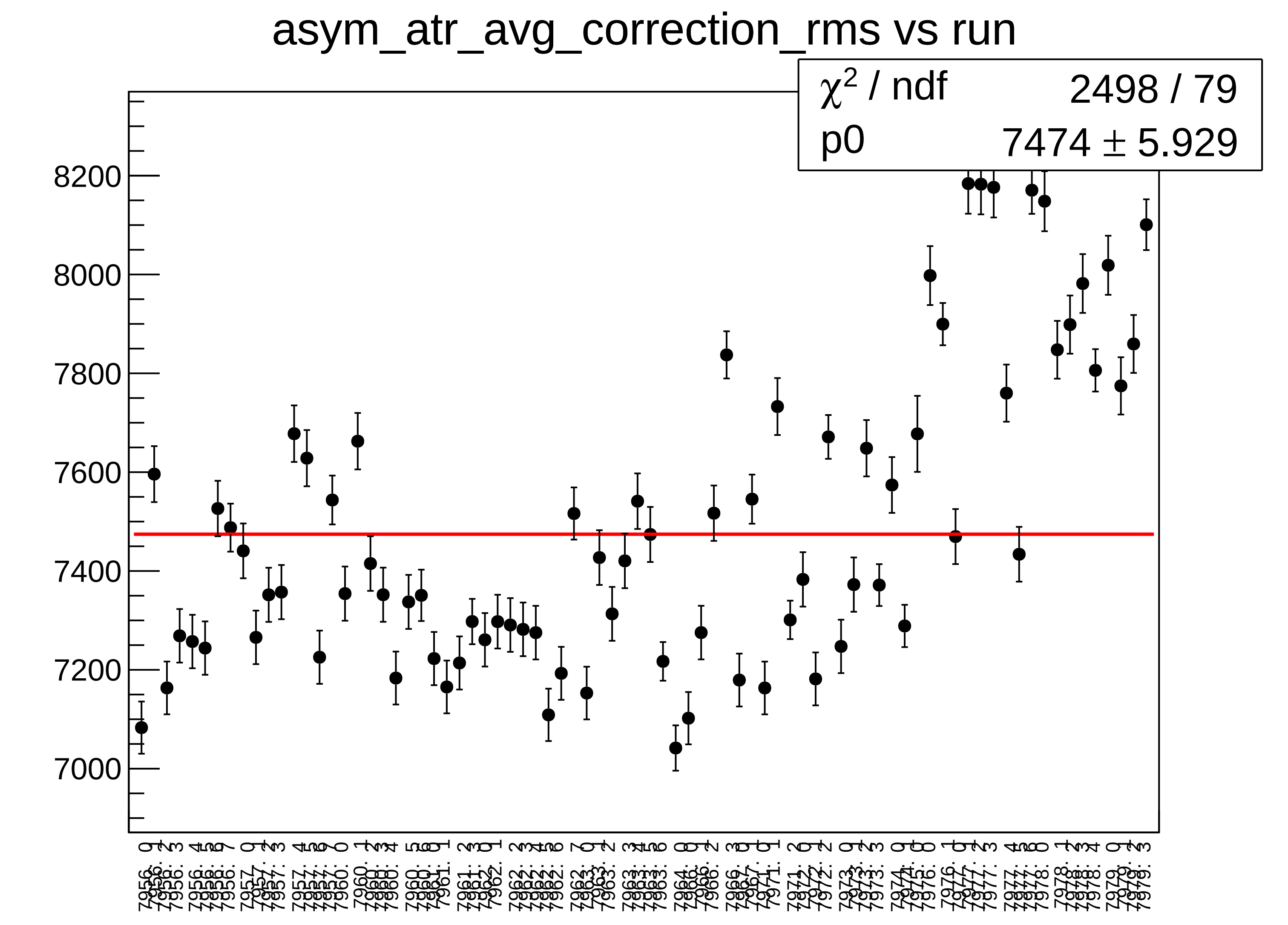


dit_asym_atr_avg_mean vs run
χ^2 / ndf 79.23 / 79
p0 −4670 ± 2310
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −38.06
Std Dev 91.69
pull1D
Entries 80
Mean 0.01749
Std Dev 0.995

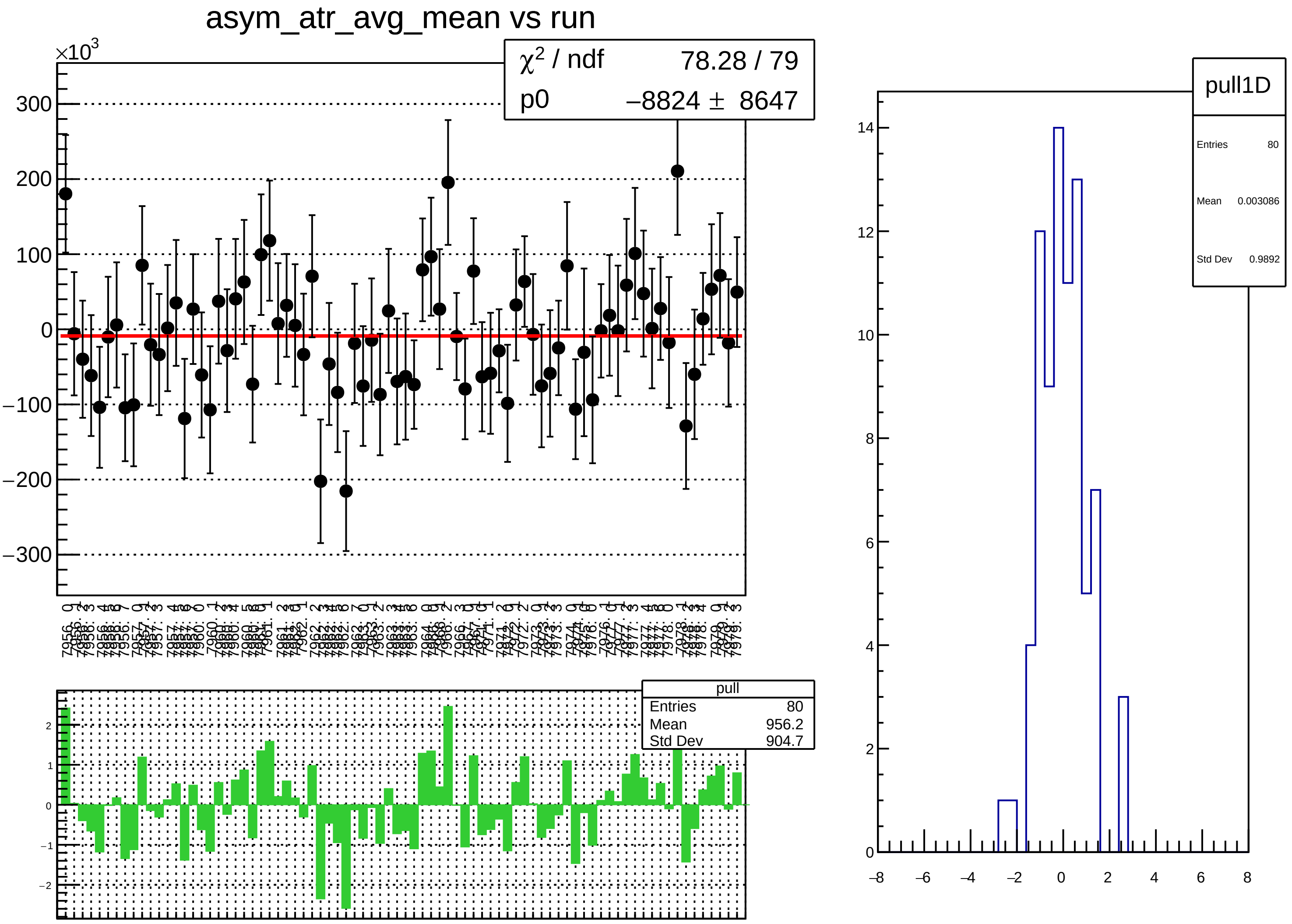

dit_asym_atr_avg_rms vs run
χ^2 / ndf 1554 / 79
p0 2060 ± 1.633
2500
2400
2300
2200
2100
2000

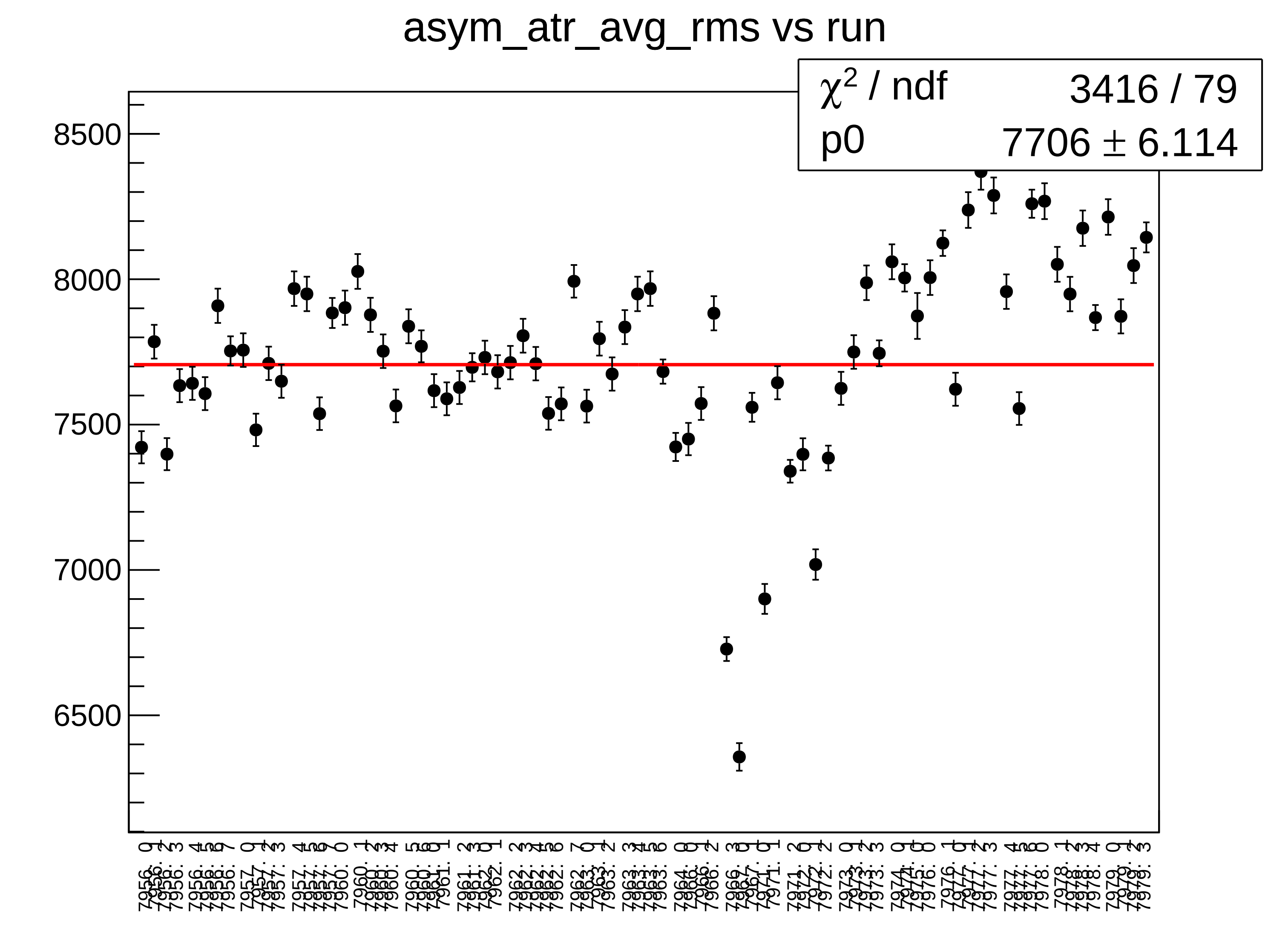


asym_atr_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 82.79 / 79
p0 4868 ± 8385
pull
Entries 80
Mean 950.8
Std Dev 898.4
pull1D
Entries 80
Mean −0.003592
Std Dev 1.017

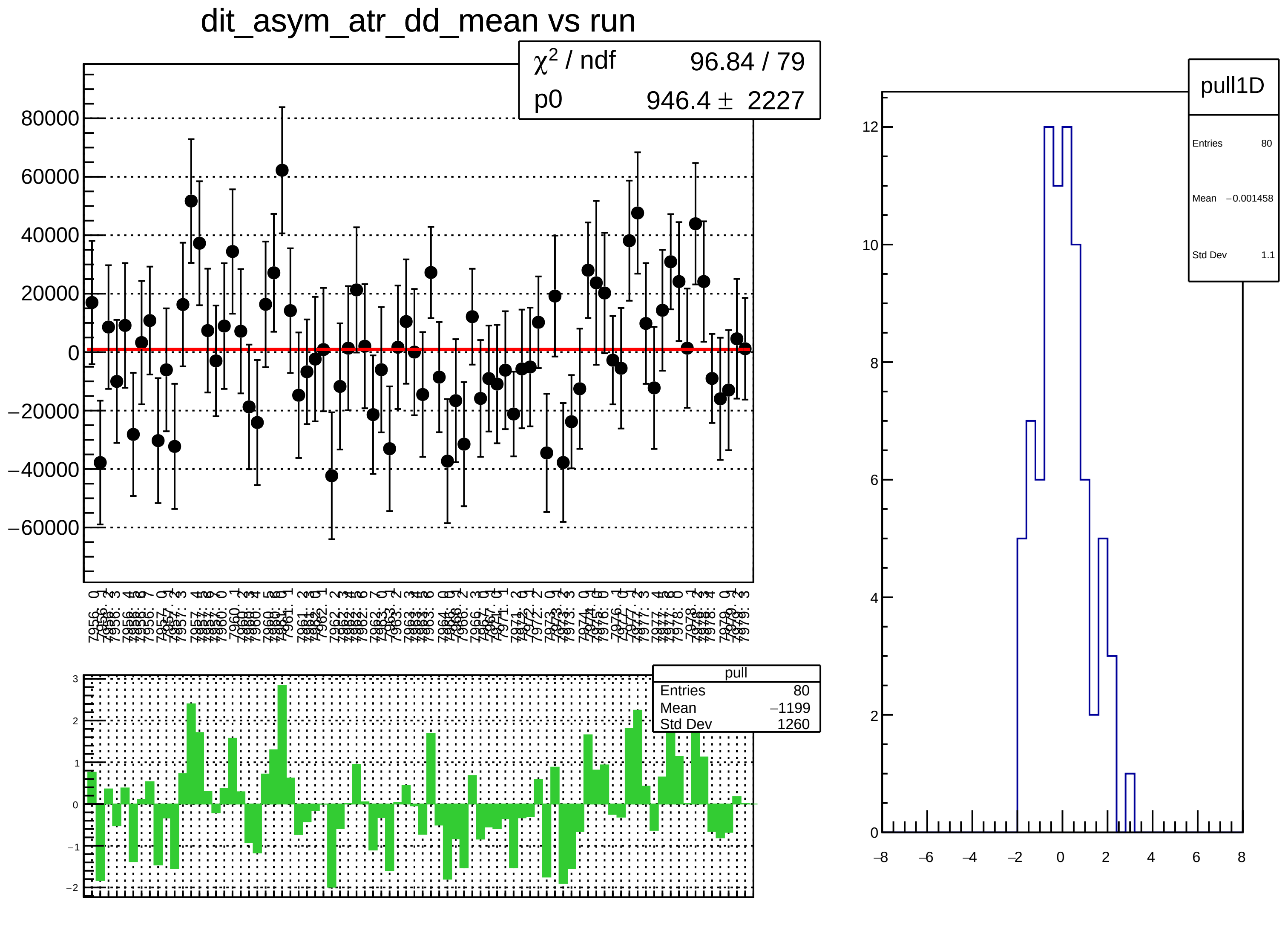


asym_atr_avg_correction_rms vs run
χ^2 / ndf 2498 / 79
p0 7474 ± 5.929
8200
8000
7800
7600
7400
7200
7000

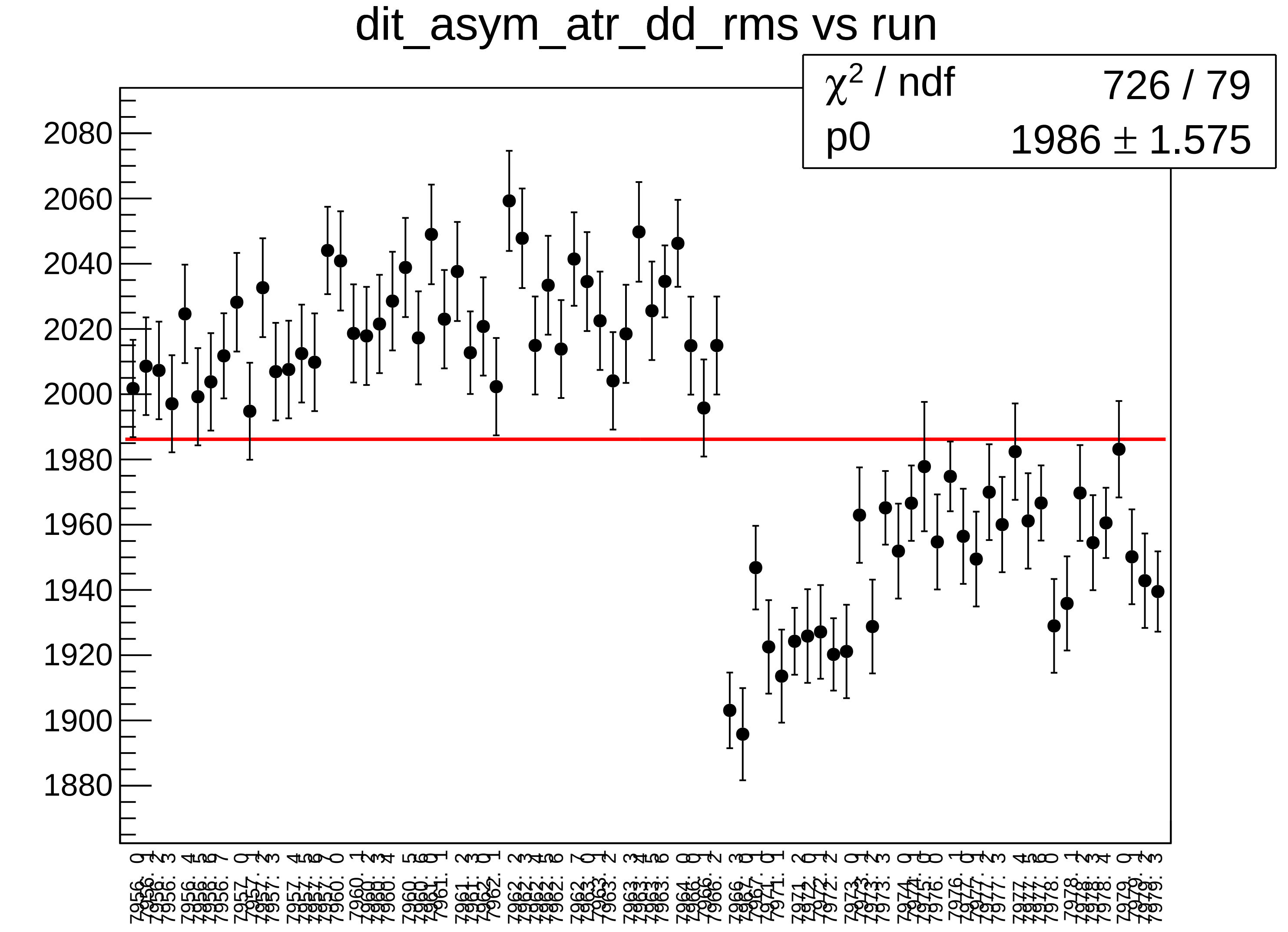

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 78.28 / 79
p0 −8824 ± 8647
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 956.2
Std Dev 904.7
pull1D
Entries 80
Mean 0.003086
Std Dev 0.9892

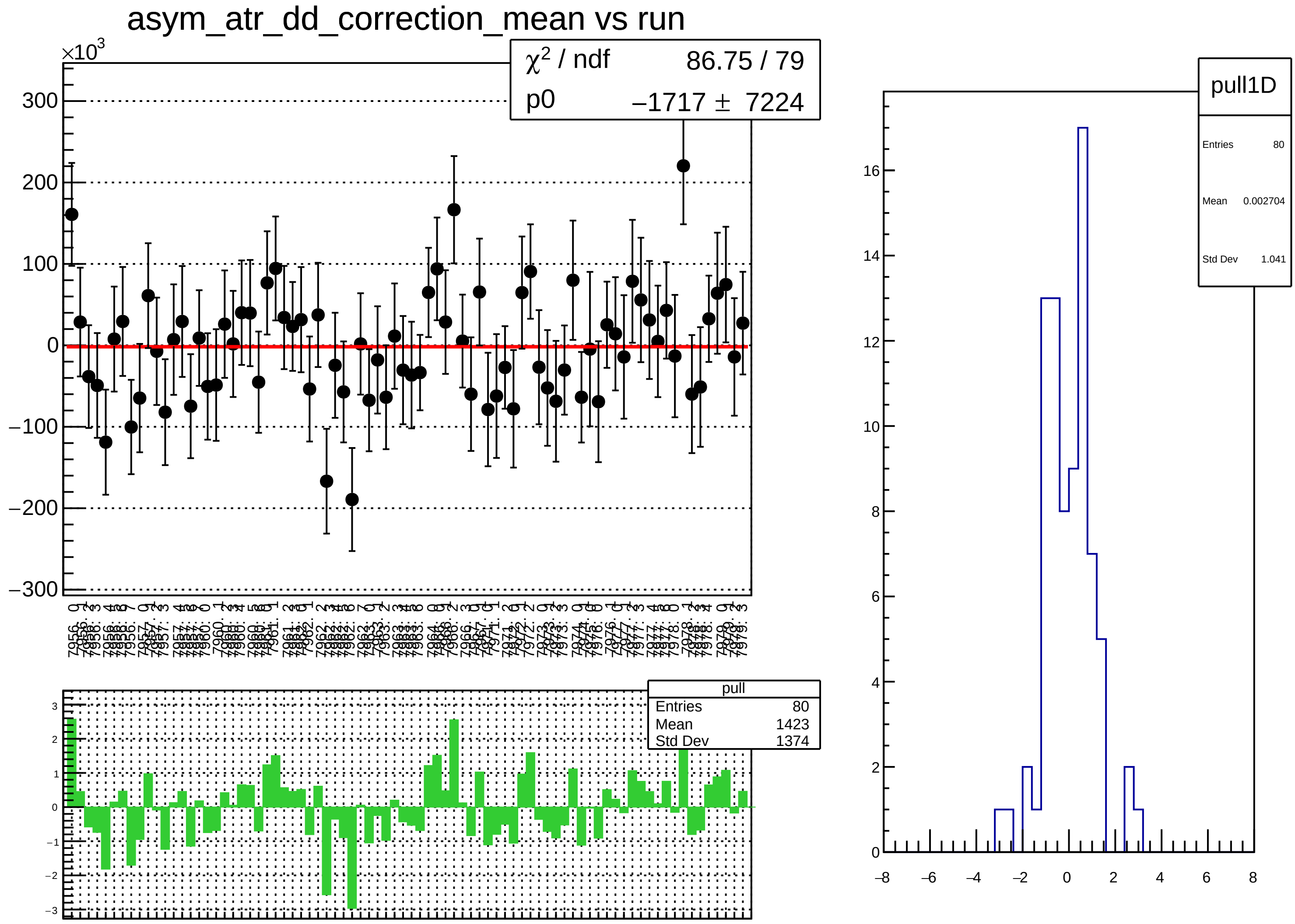


asym_atr_avg_rms vs run
χ^2 / ndf 3416 / 79
p0 7706 ± 6.114
8500
8000
7500
7000
6500

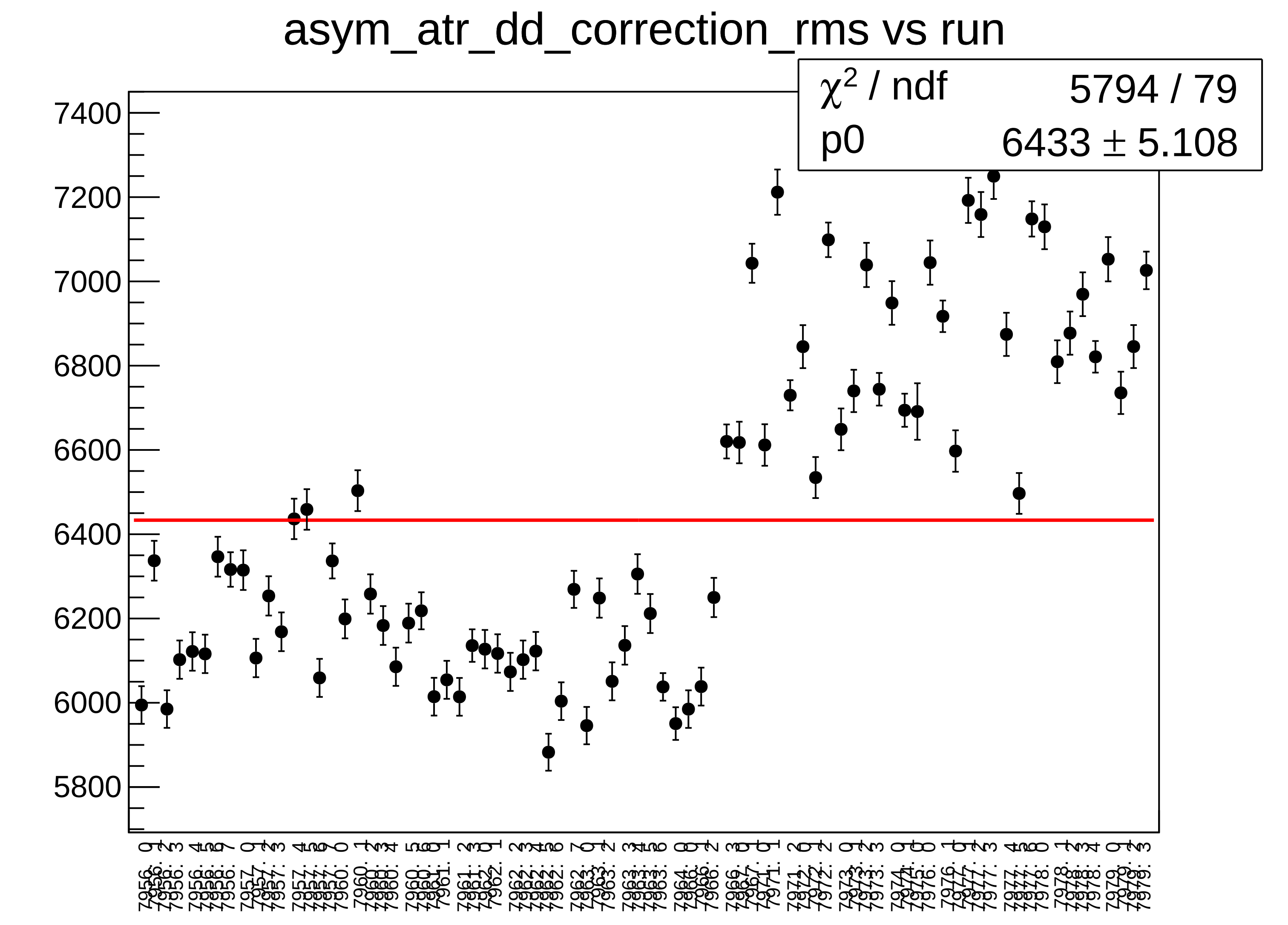


dit_asym_atr_dd_mean vs run
χ^2 / ndf 96.84 / 79
p0 946.4 ± 2227
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −1199
Std Dev 1260
pull1D
Entries 80
Mean −0.001458
Std Dev 1.1

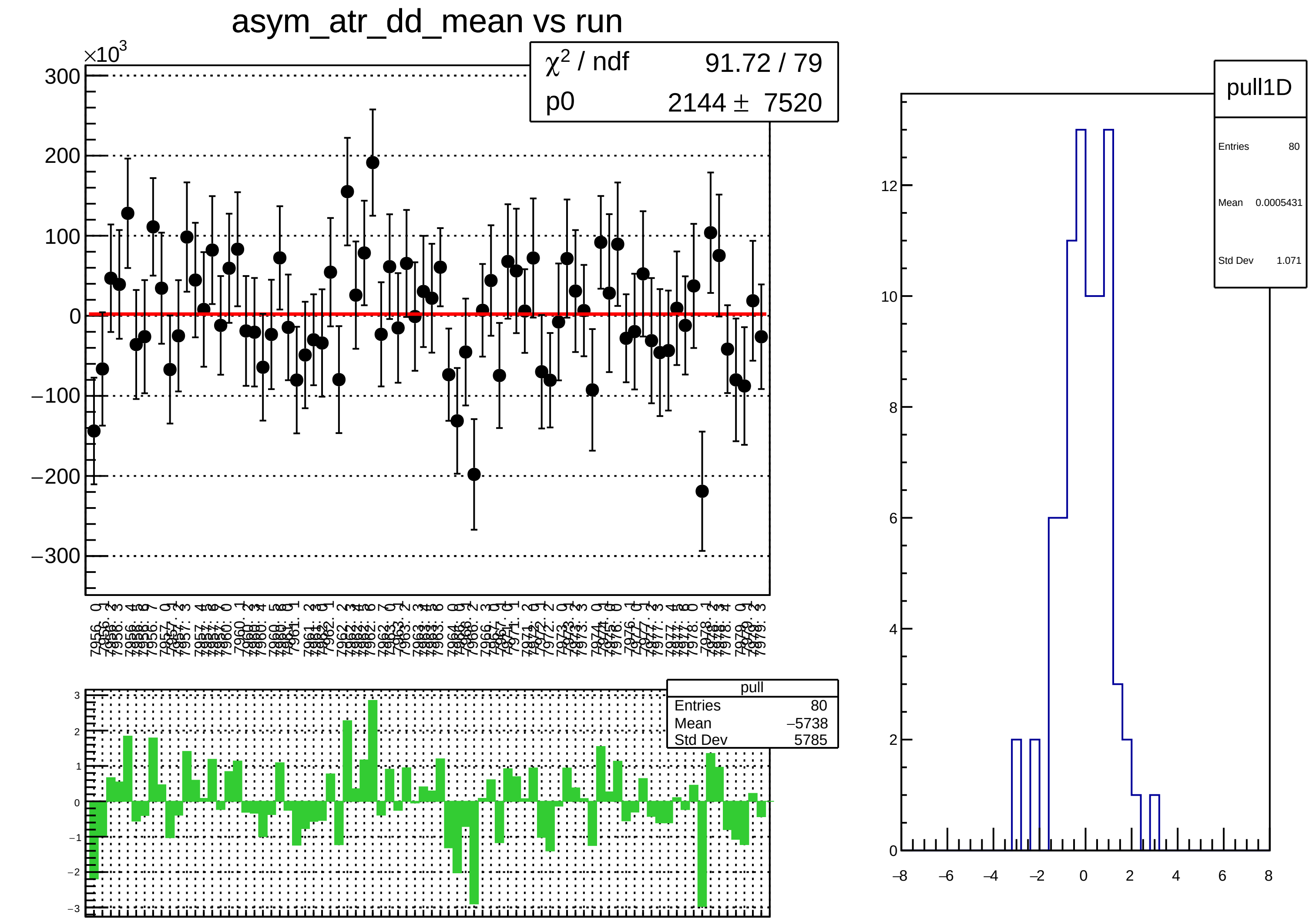

dit_asym_atr_dd_rms vs run
χ2 / ndf 726 / 79
p0 1986 ± 1.575
2080
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880



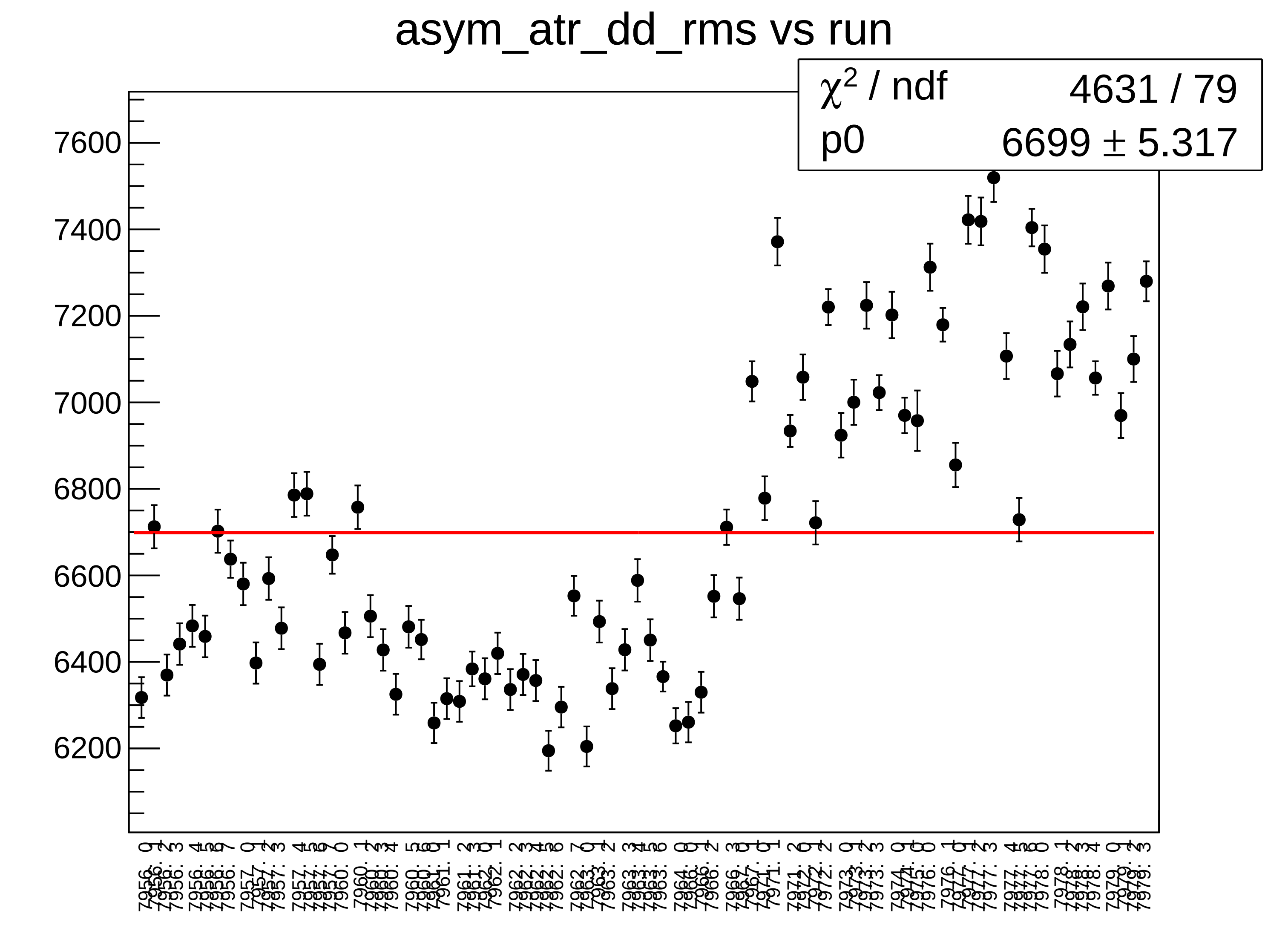
asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 86.75 / 79
p0 −1717 ± 7224
300
200
100
0
−100
−200
−300
pull
Entries 80
Mean 1423
Std Dev 1374
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.002704
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

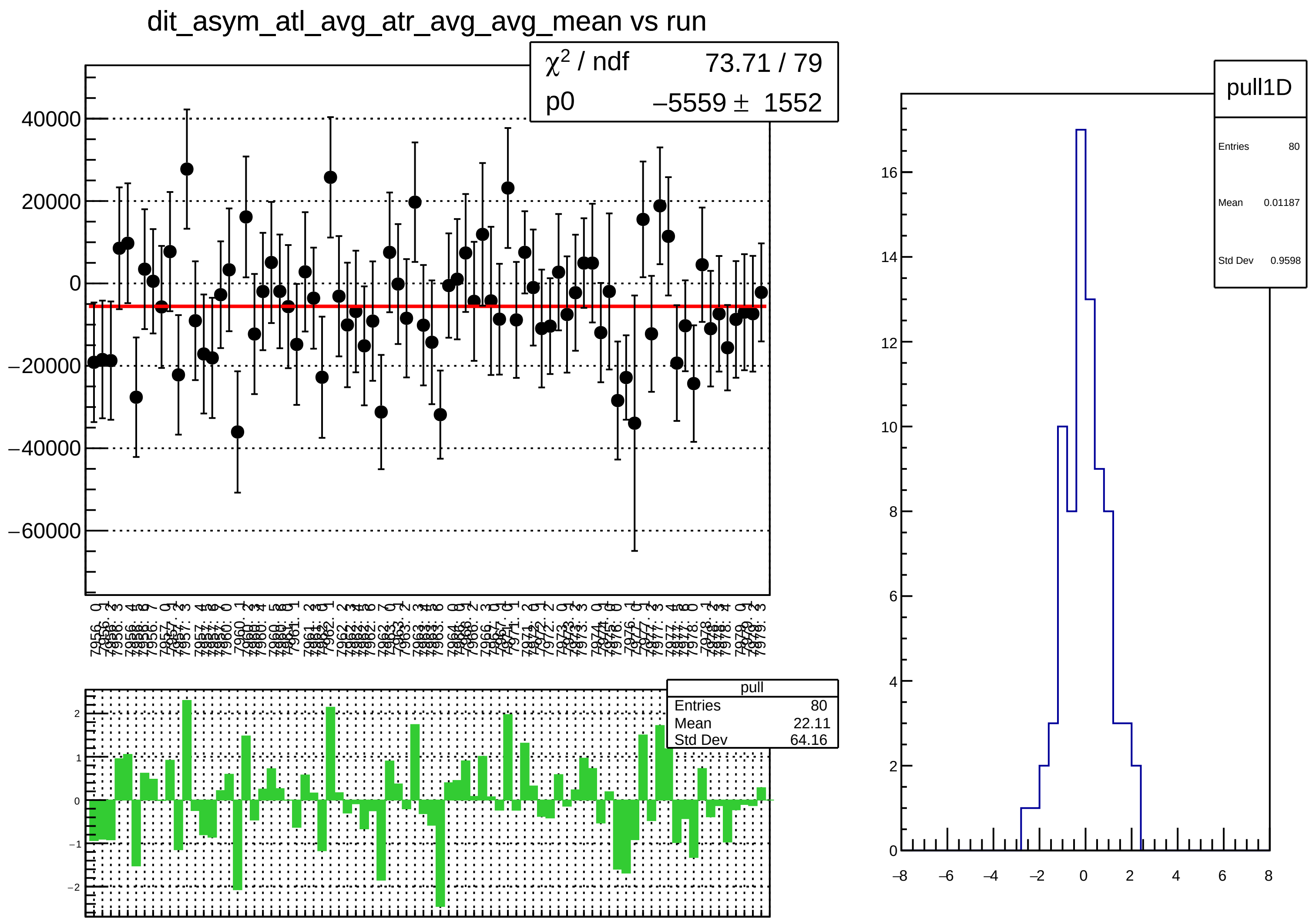


asym_atr_dd_correction_rms vs run
χ^2 / ndf 5794 / 79
p0 6433 ± 5.108
7400
7200
7000
6800
6600
6400
6200
6000
5800

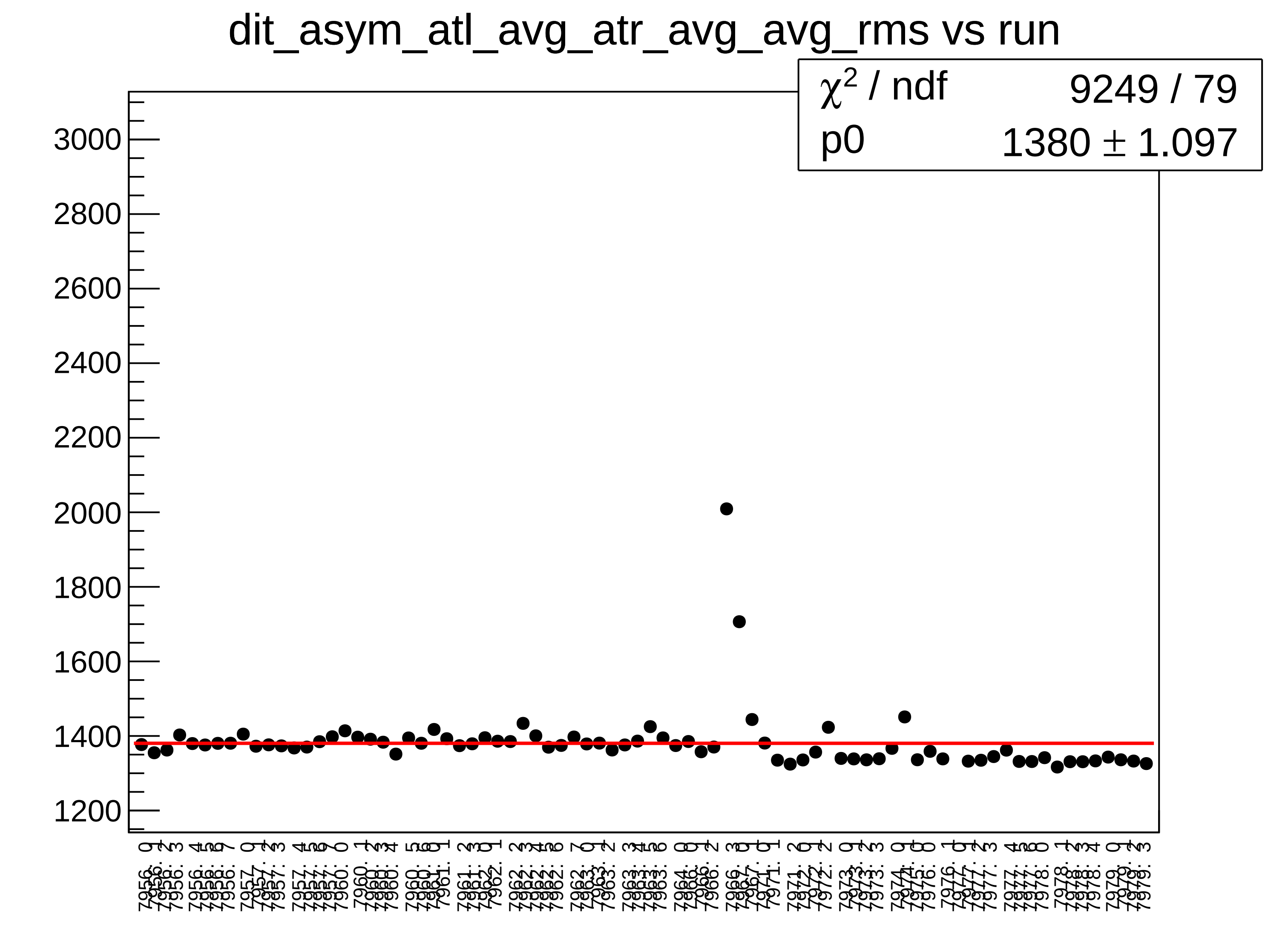


asym_atr_dd_mean vs run
χ2 / ndf 91.72 / 79
p0 2144 ± 7520
×10^3
pull
Entries 80
Mean −5738
Std Dev 5785
pull1D
Entries 80
Mean 0.0005431
Std Dev 1.071


asym_atr_dd_rms vs run
χ^2 / ndf 4631 / 79
p0 6699 ± 5.317
7600
7400
7200
7000
6800
6600
6400
6200

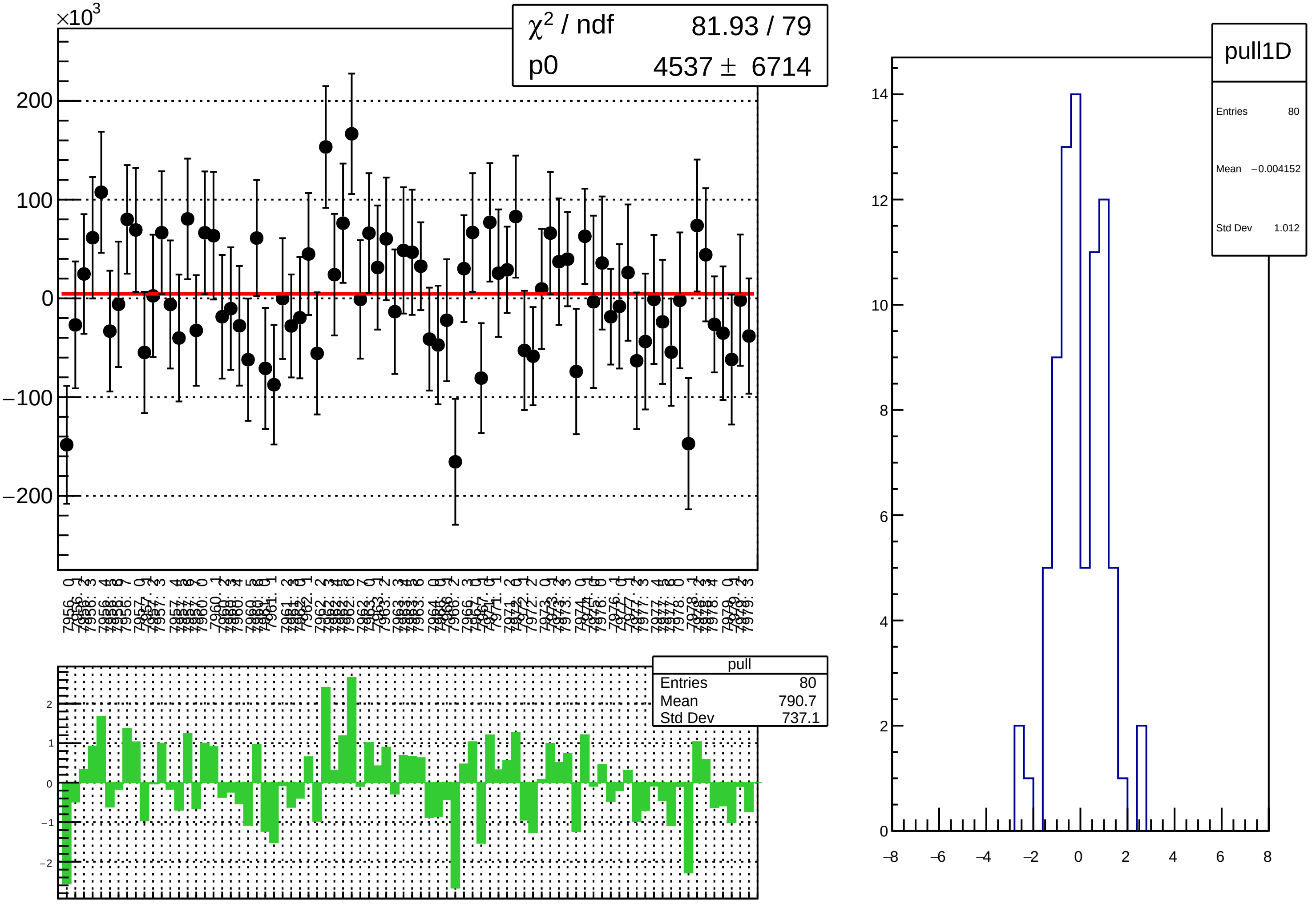


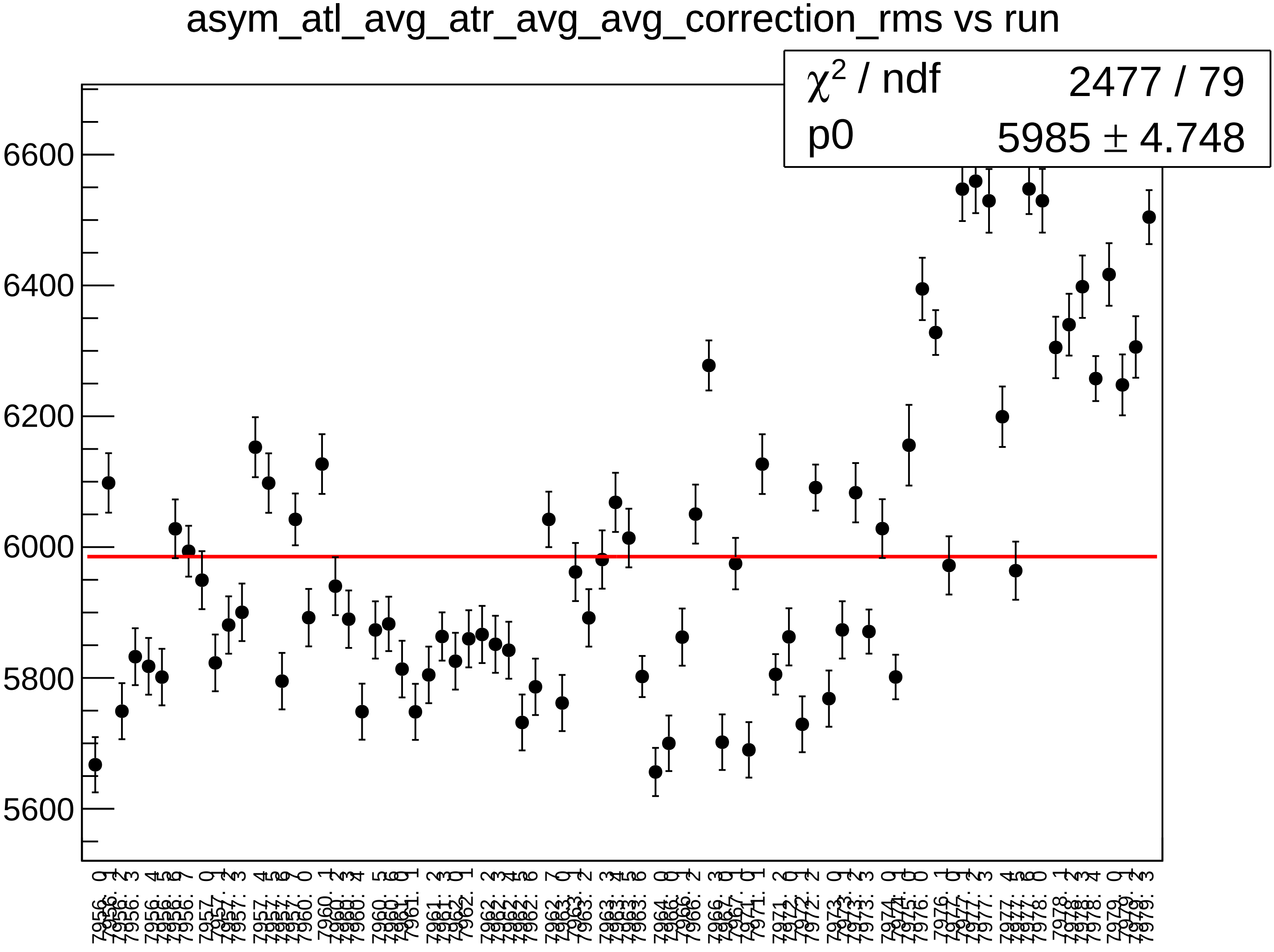
dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 73.71 / 79
p0 −5559 ± 1552
pull
Entries 80
Mean 22.11
Std Dev 64.16
pull1D
Entries 80
Mean 0.01187
Std Dev 0.9598



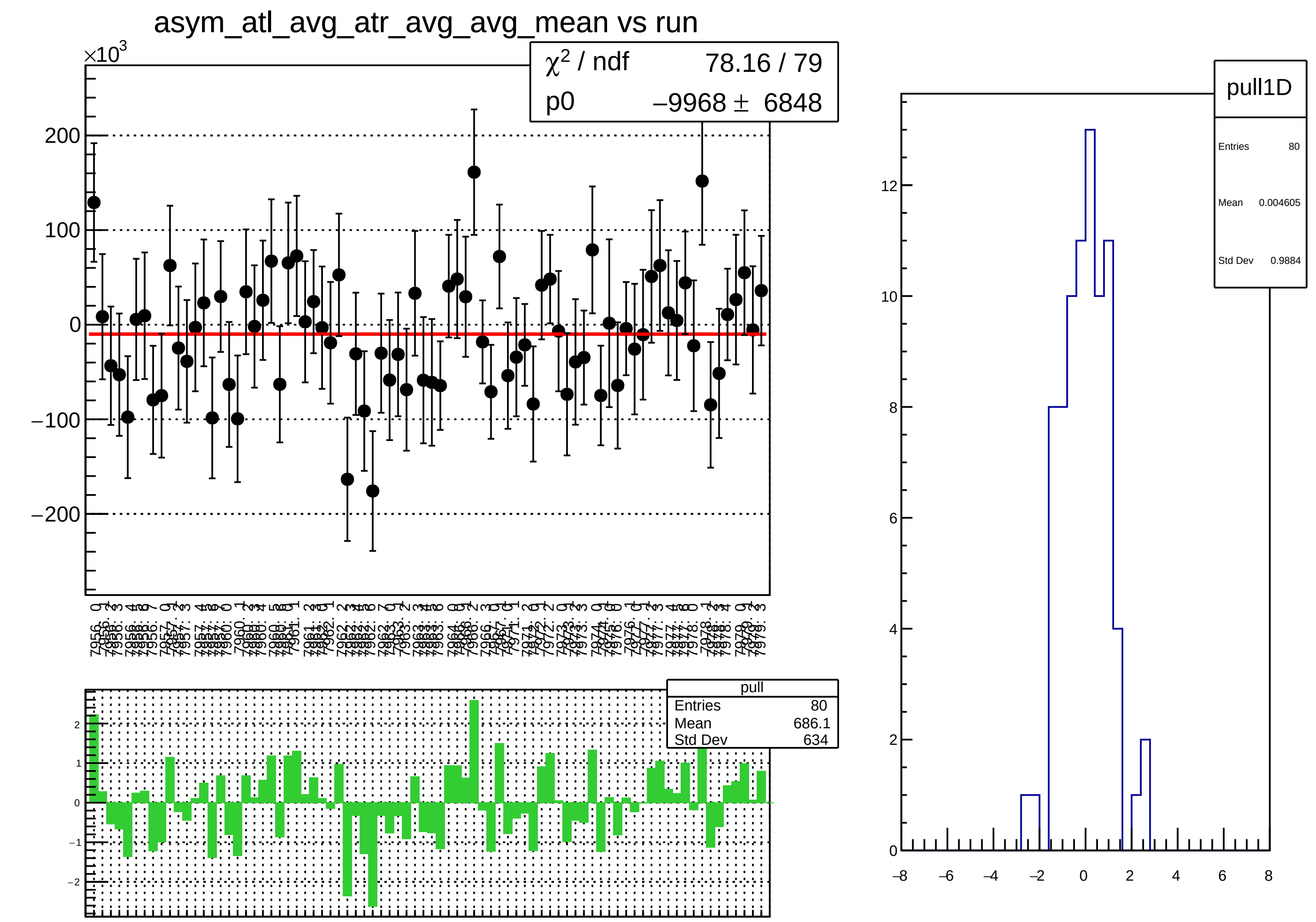
dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 9249 / 79
p0 1380 ± 1.097

asym_atl_avg_atr_avg_avg_correction_mean vs run

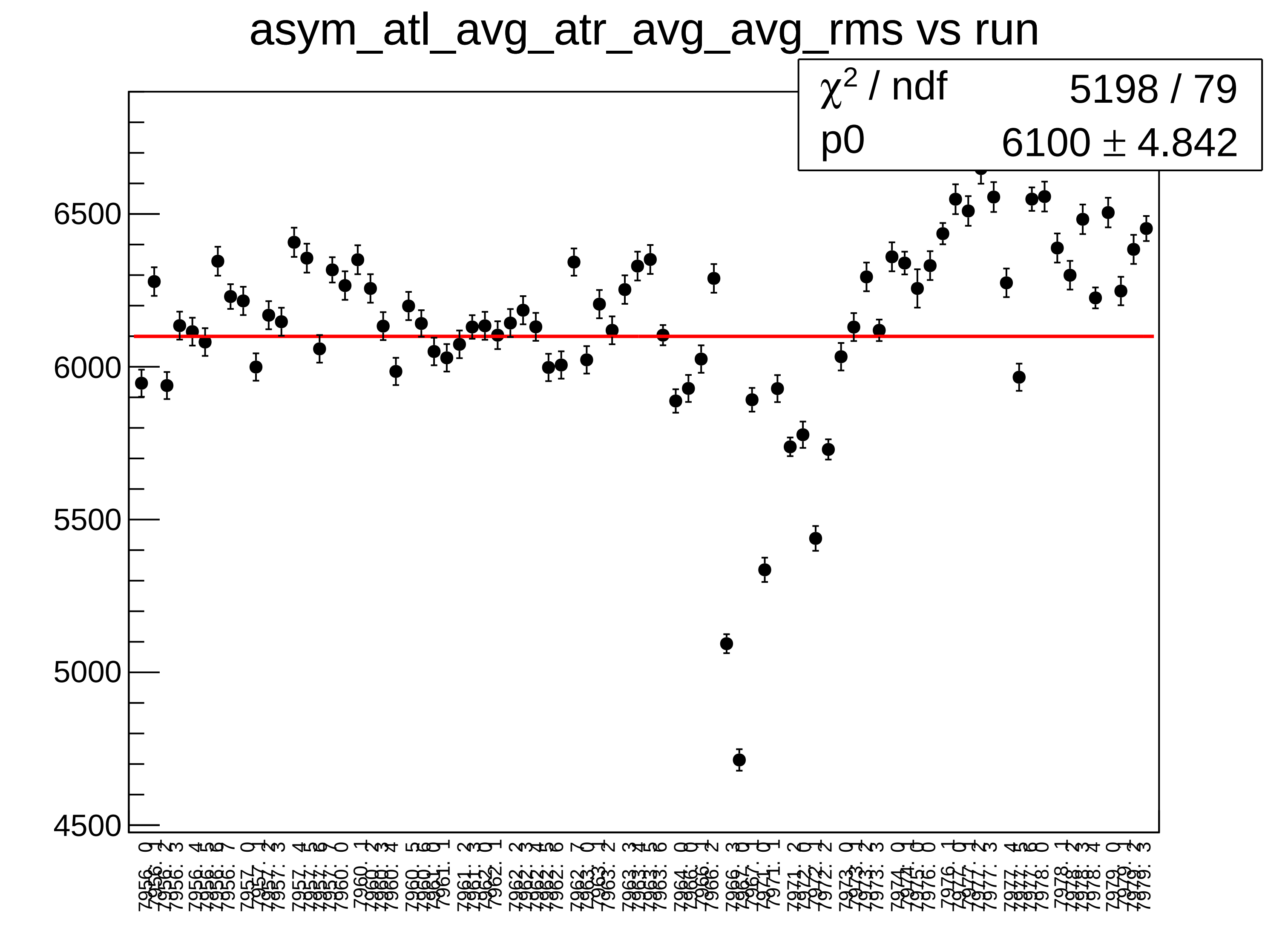




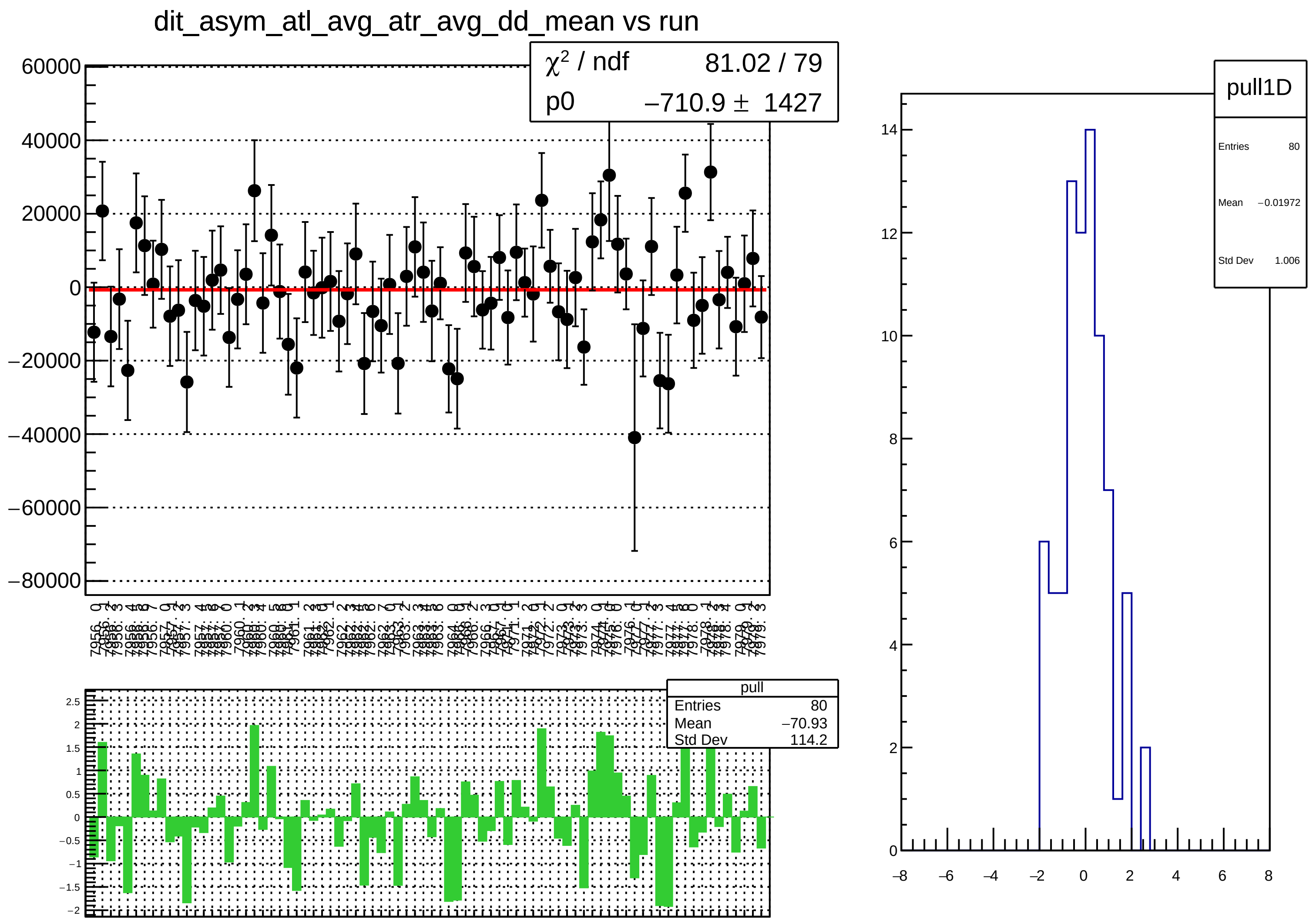
asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 2477 / 79
p0 5985 ± 4.748
6600
6400
6200
6000
5800
5600



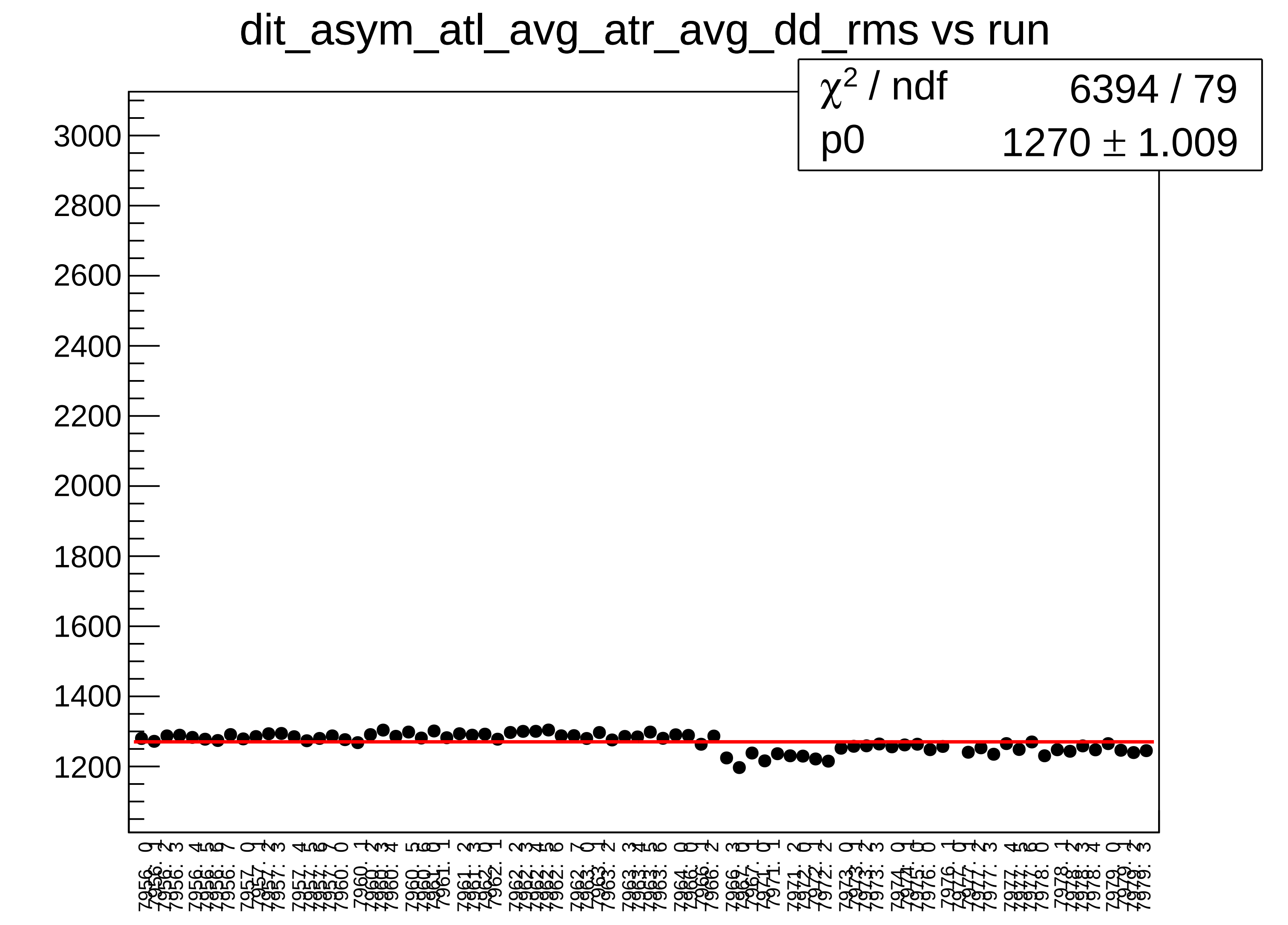
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ2 / ndf 78.16 / 79
p0 −9968 ± 6848
200
100
0
−100
−200
pull
Entries 80
Mean 686.1
Std Dev 634
pull1D
Entries 80
Mean 0.004605
Std Dev 0.9884



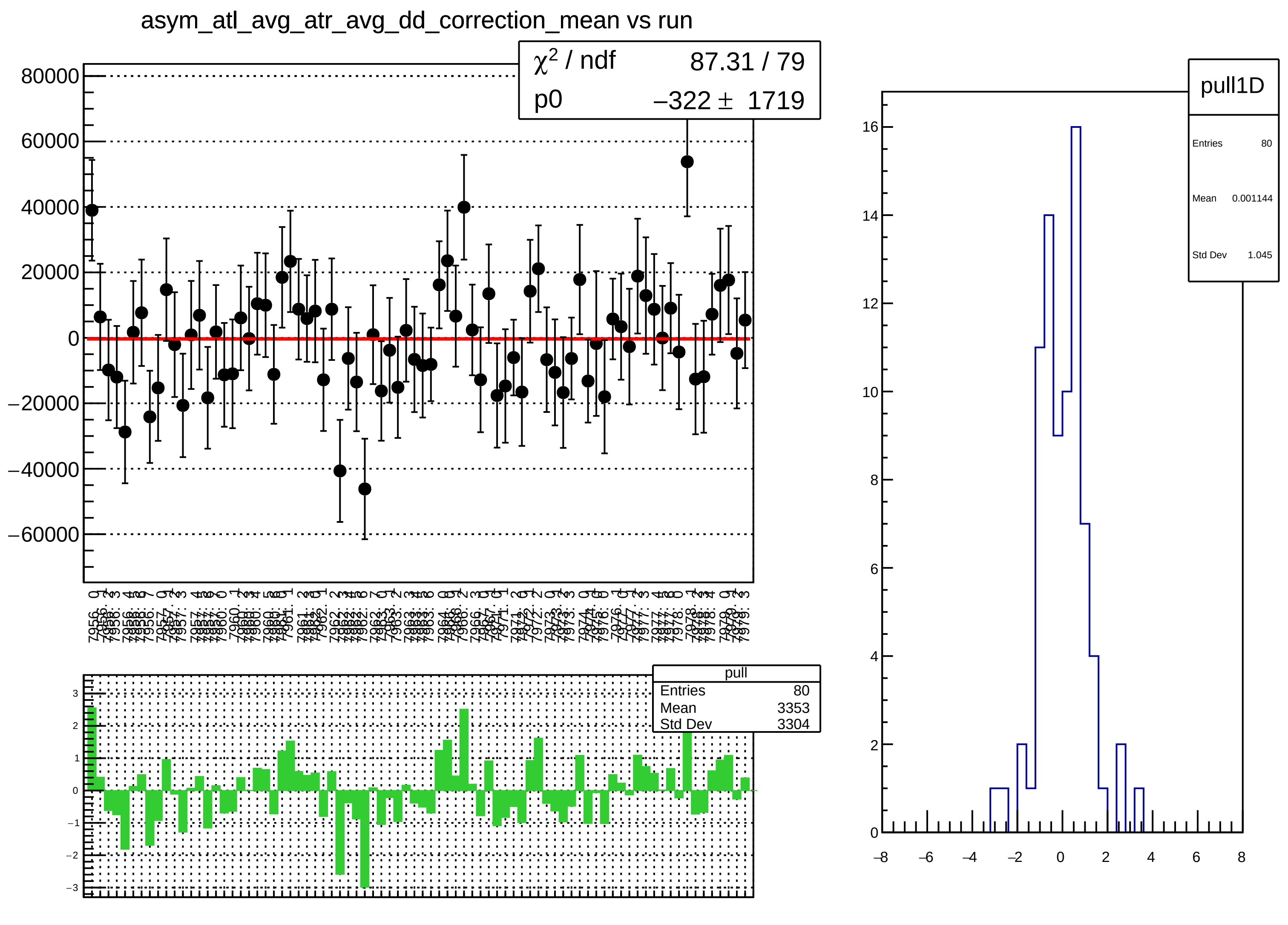
asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 5198 / 79
p0 6100 ± 4.842
6500
6000
5500
5000
4500



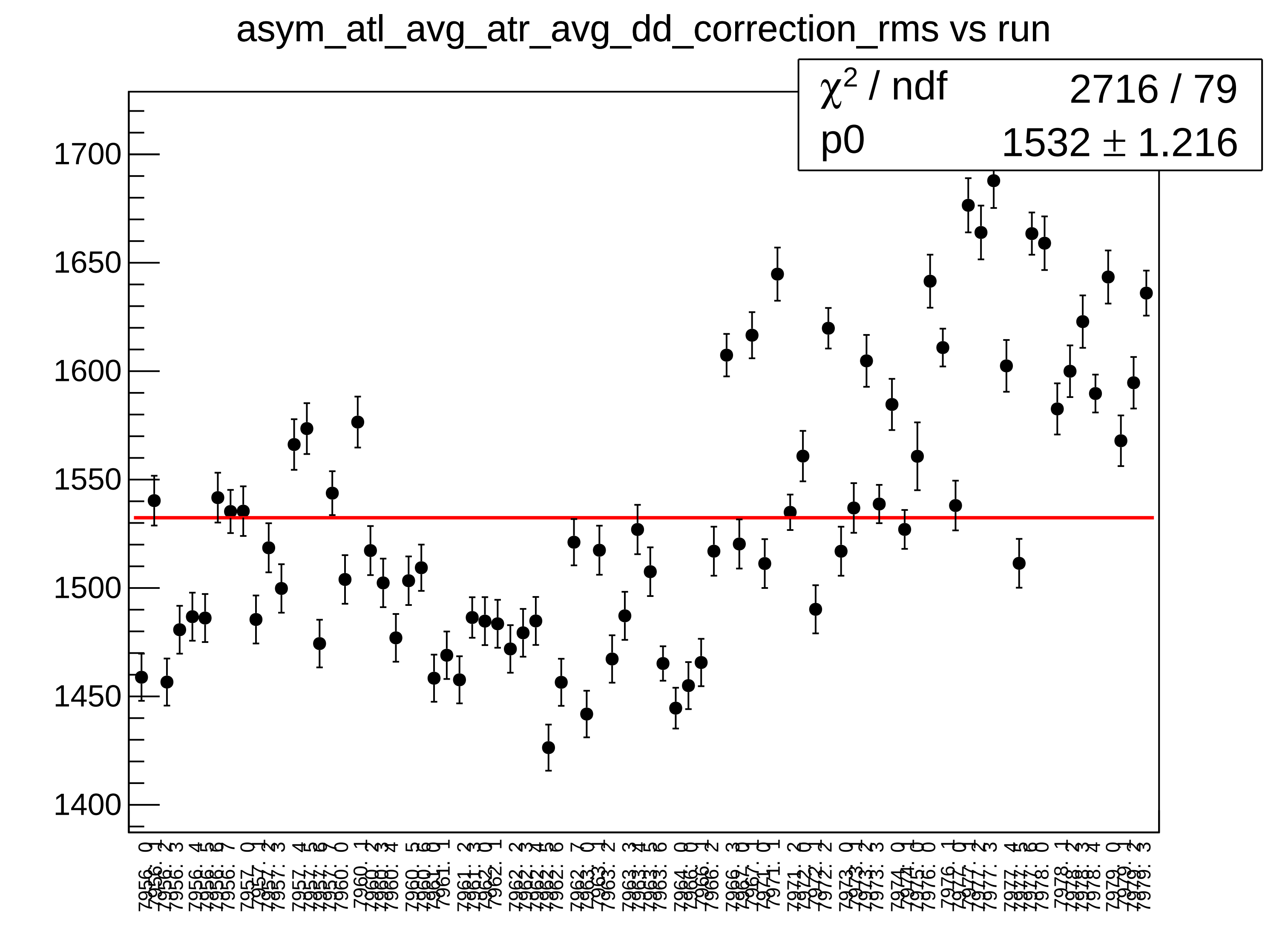
dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 81.02 / 79
p0 −710.9 ± 1427
pull
Entries 80
Mean −70.93
Std Dev 114.2
pull1D
Entries 80
Mean −0.01972
Std Dev 1.006



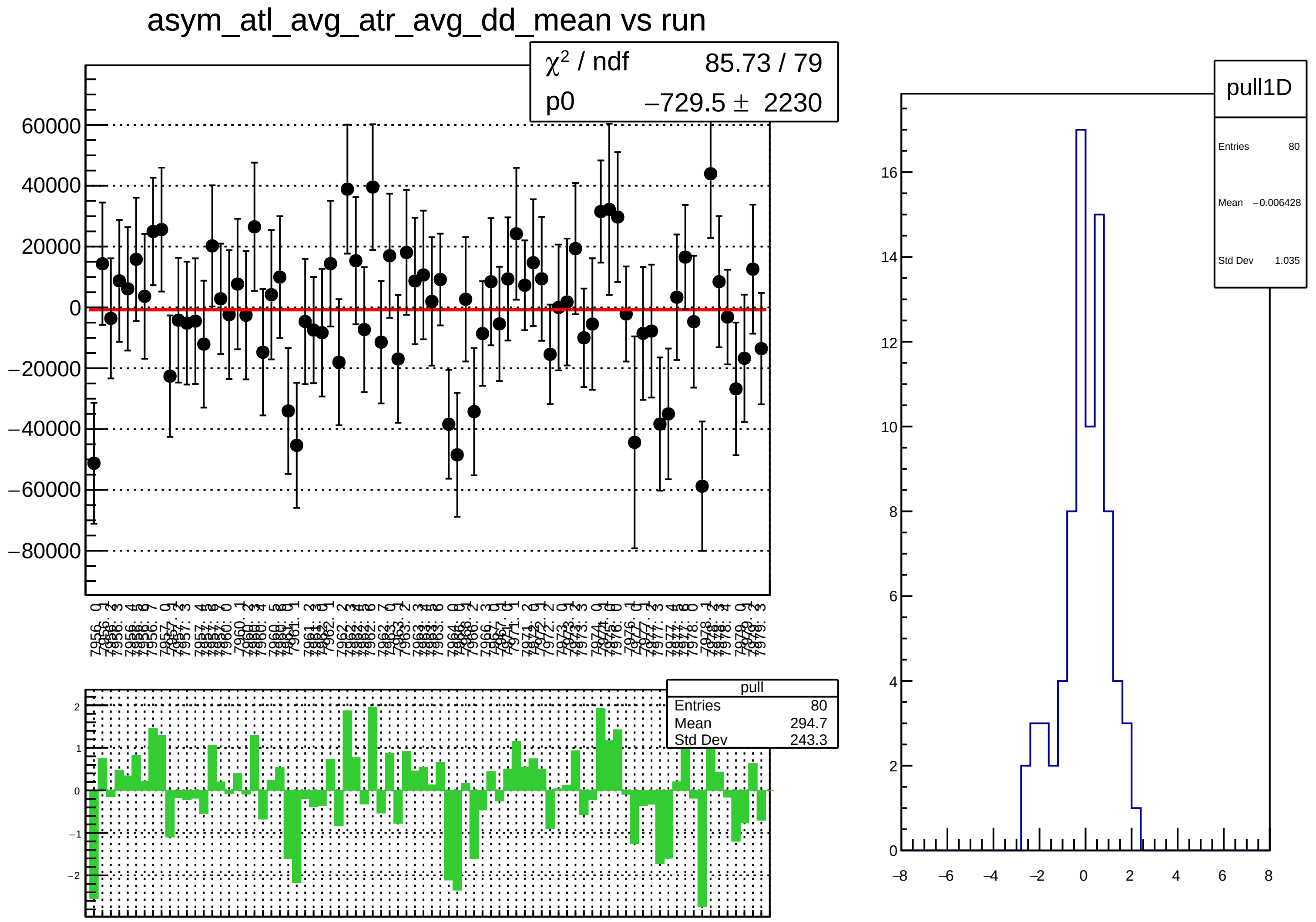
dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 6394 / 79
p0 1270 ± 1.009



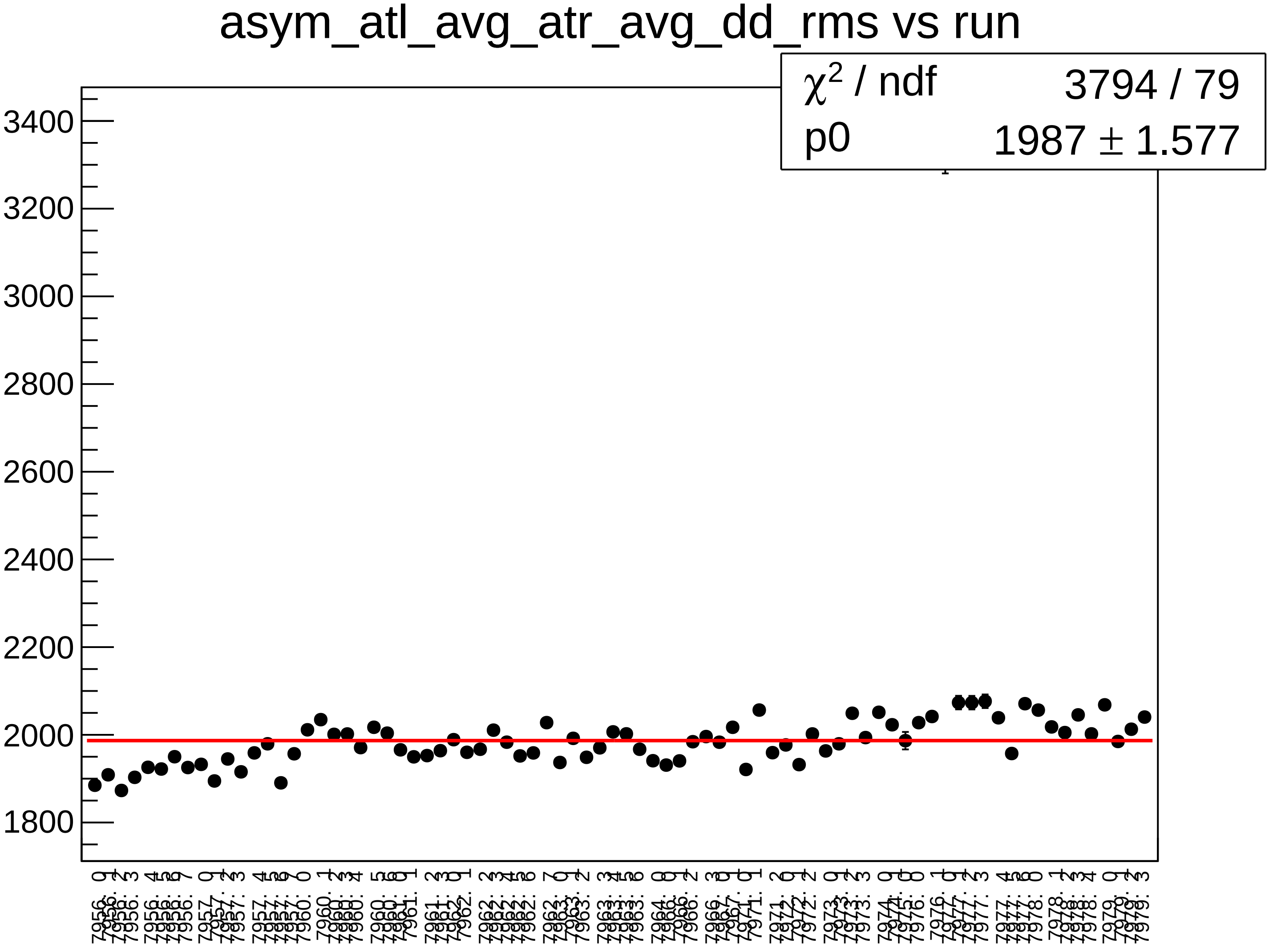
asym_atl_avg_atr_avg_dd_correction_mean vs run
χ2 / ndf 87.31 / 79
p0 −322 ± 1719
pull
Entries 80
Mean 3353
Std Dev 3304
pull1D
Entries 80
Mean 0.001144
Std Dev 1.045

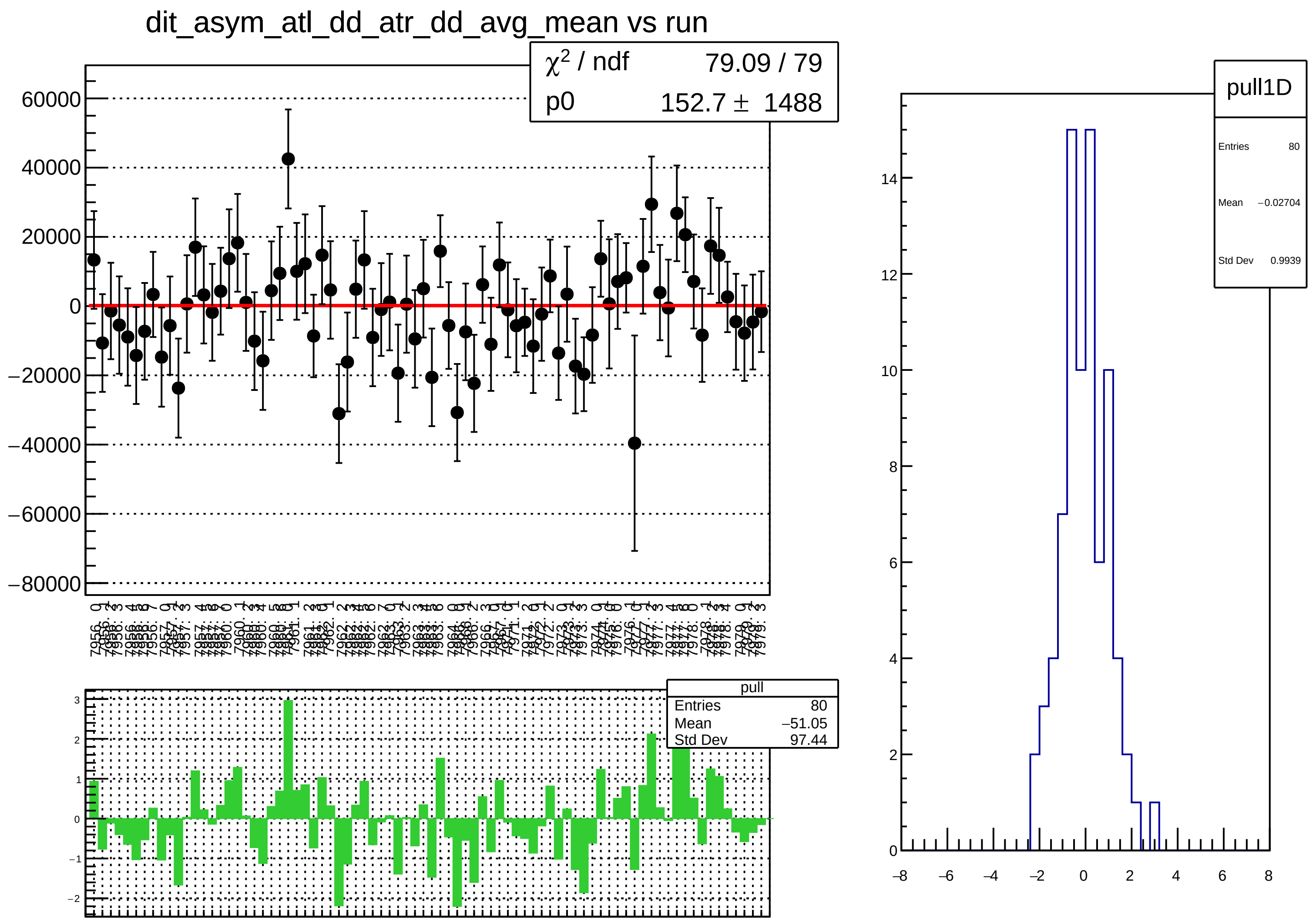


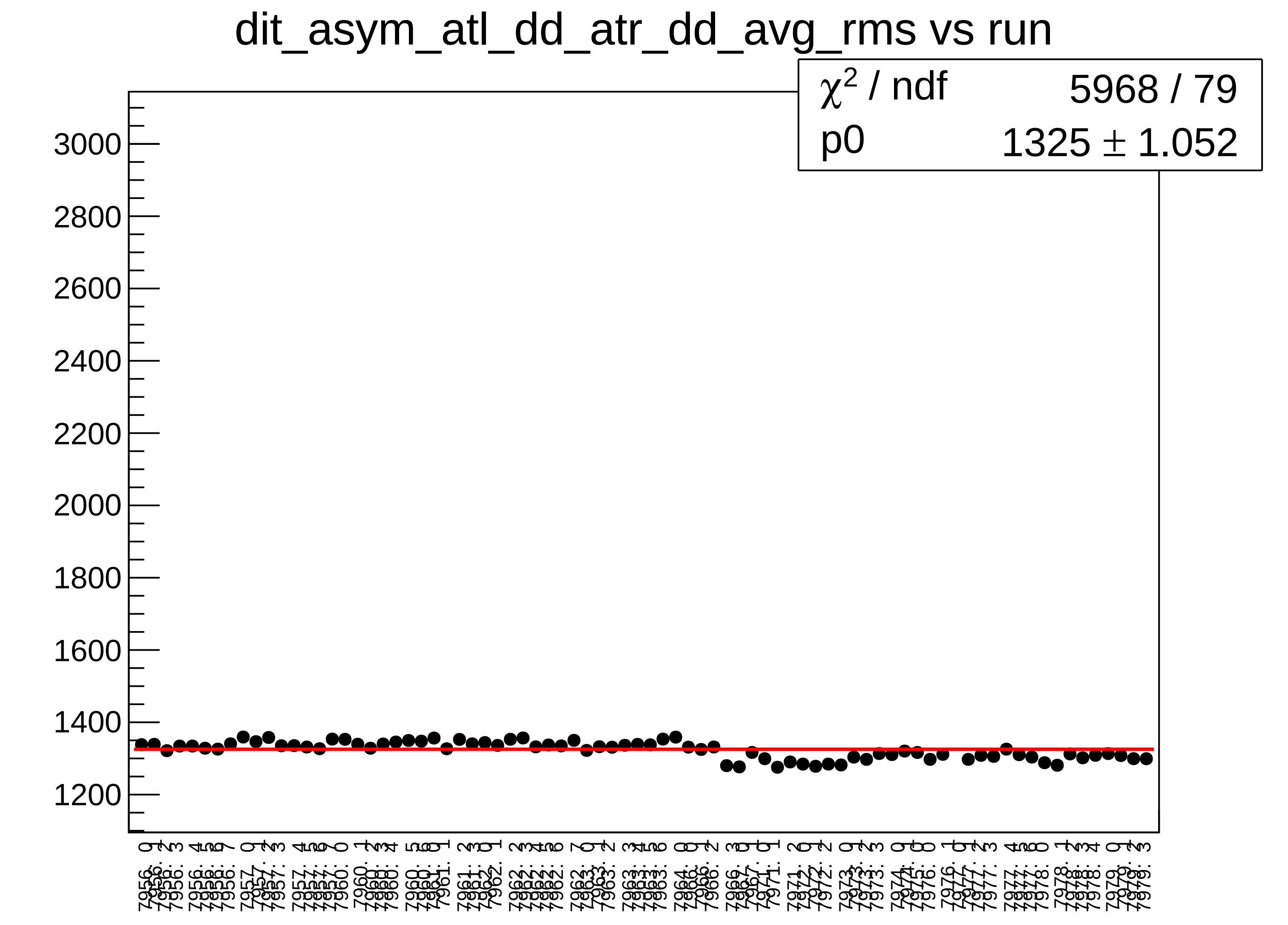
asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2716 / 79
p0 1532 ± 1.216
1700
1650
1600
1550
1500
1450
1400



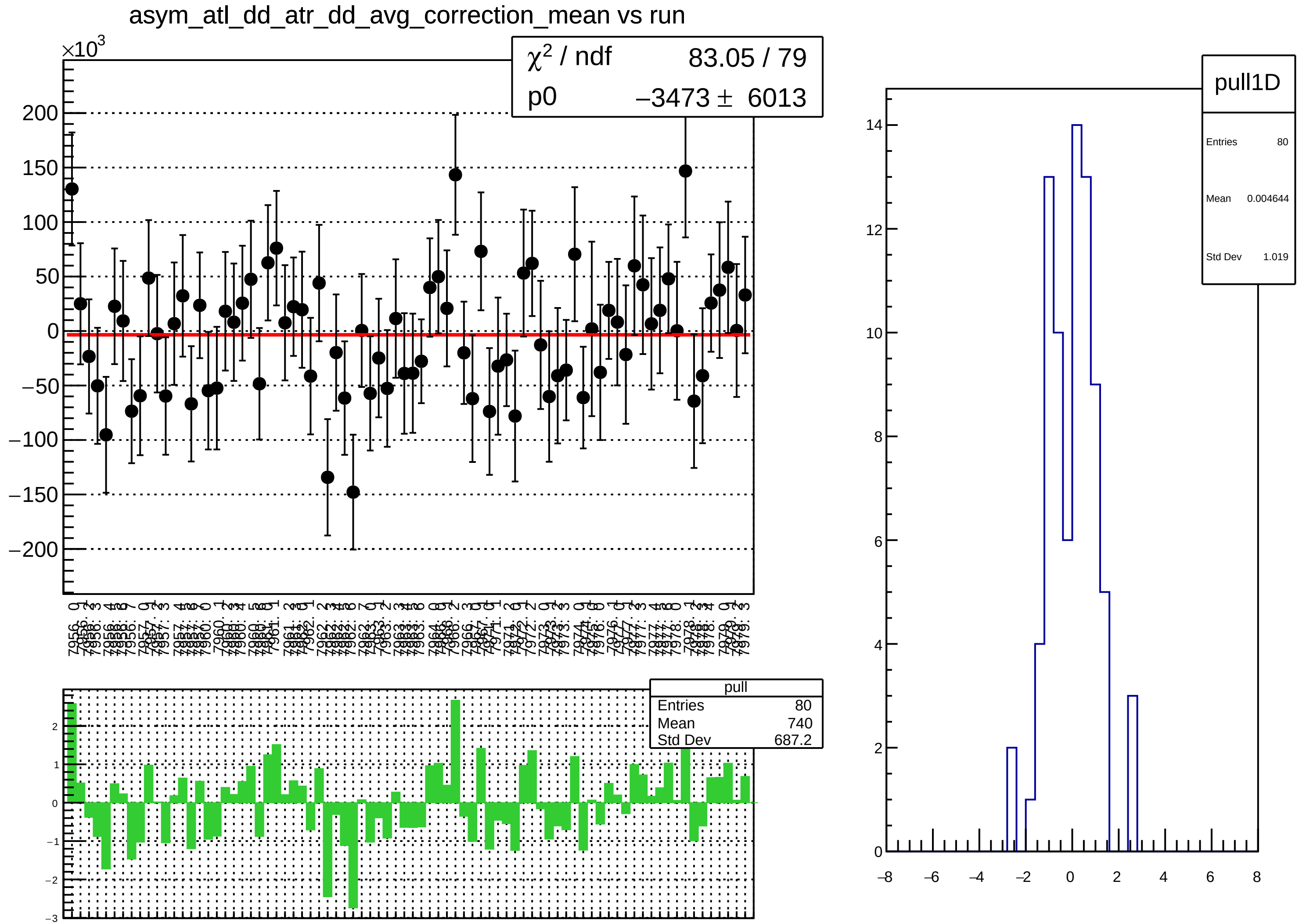
asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.73 / 79
p0 −729.5 ± 2230
pull
Entries 80
Mean 294.7
Std Dev 243.3
pull1D
Entries 80
Mean −0.006428
Std Dev 1.035

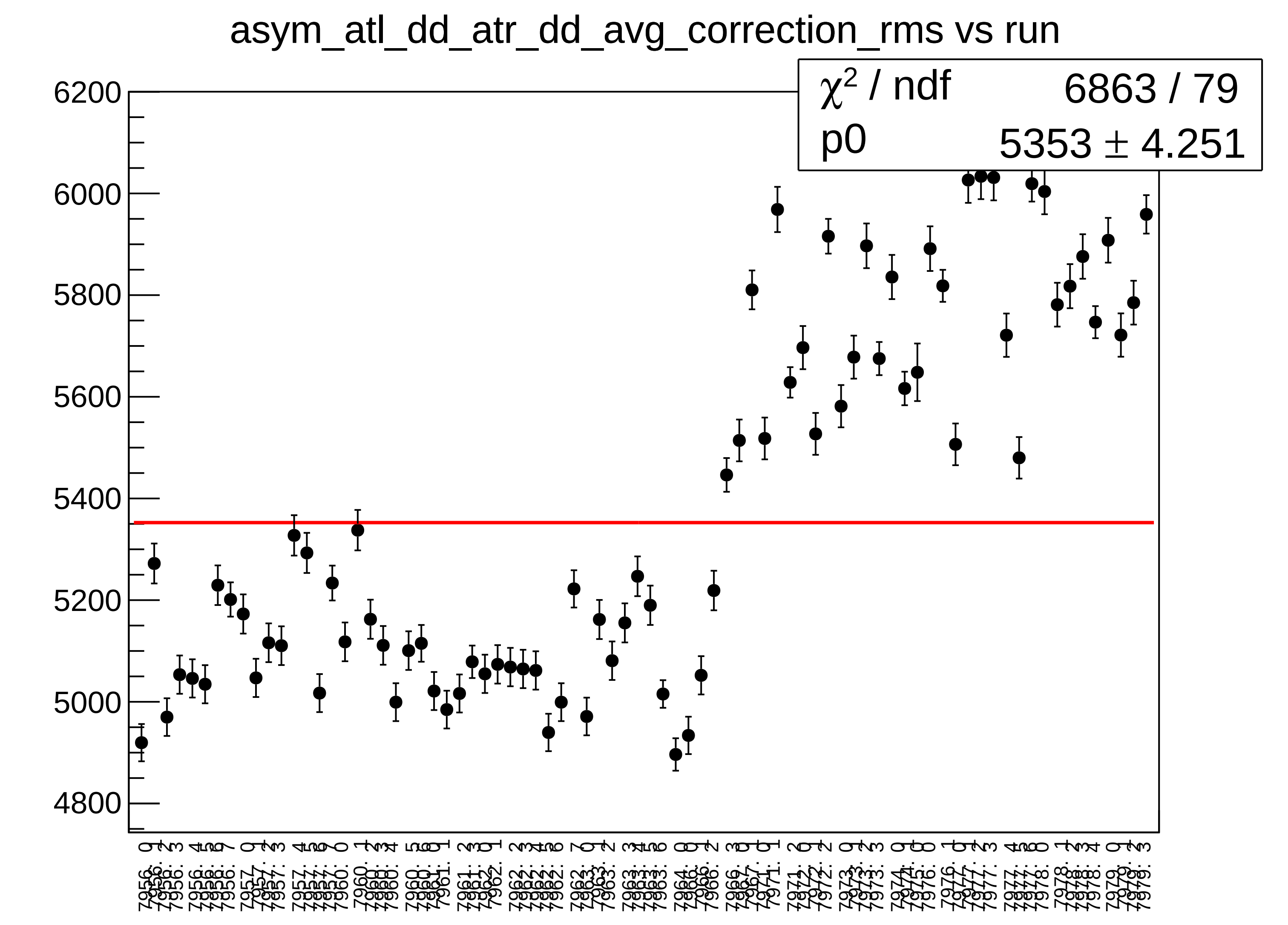

asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 3794 / 79
p0 1987 ± 1.577
3400
3200
3000
2800
2600
2400
2200
2000
1800

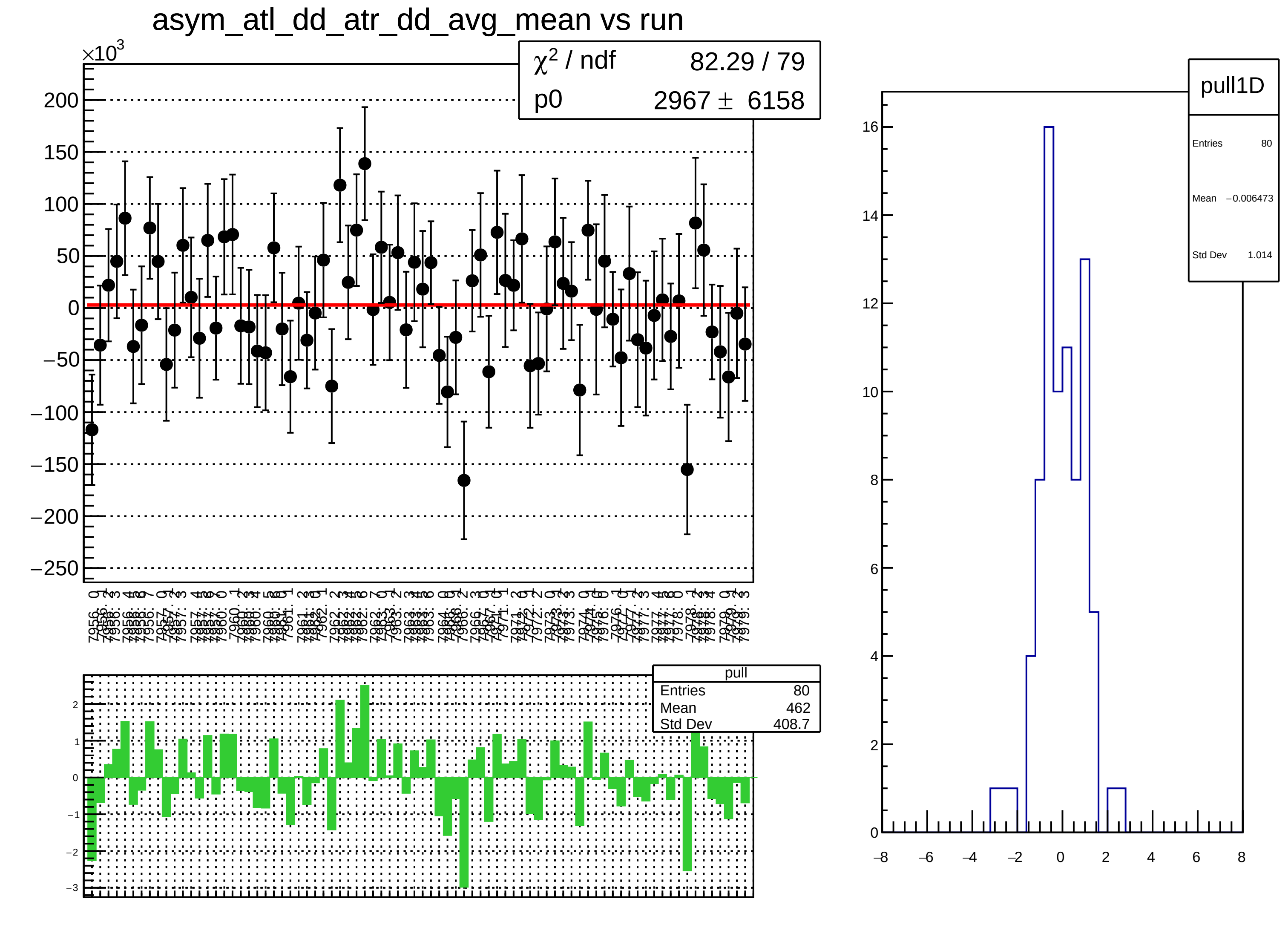

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ2 / ndf 79.09 / 79
p0 152.7 ± 1488
pull
Entries 80
Mean −51.05
Std Dev 97.44
pull1D
Entries 80
Mean −0.02704
Std Dev 0.9939



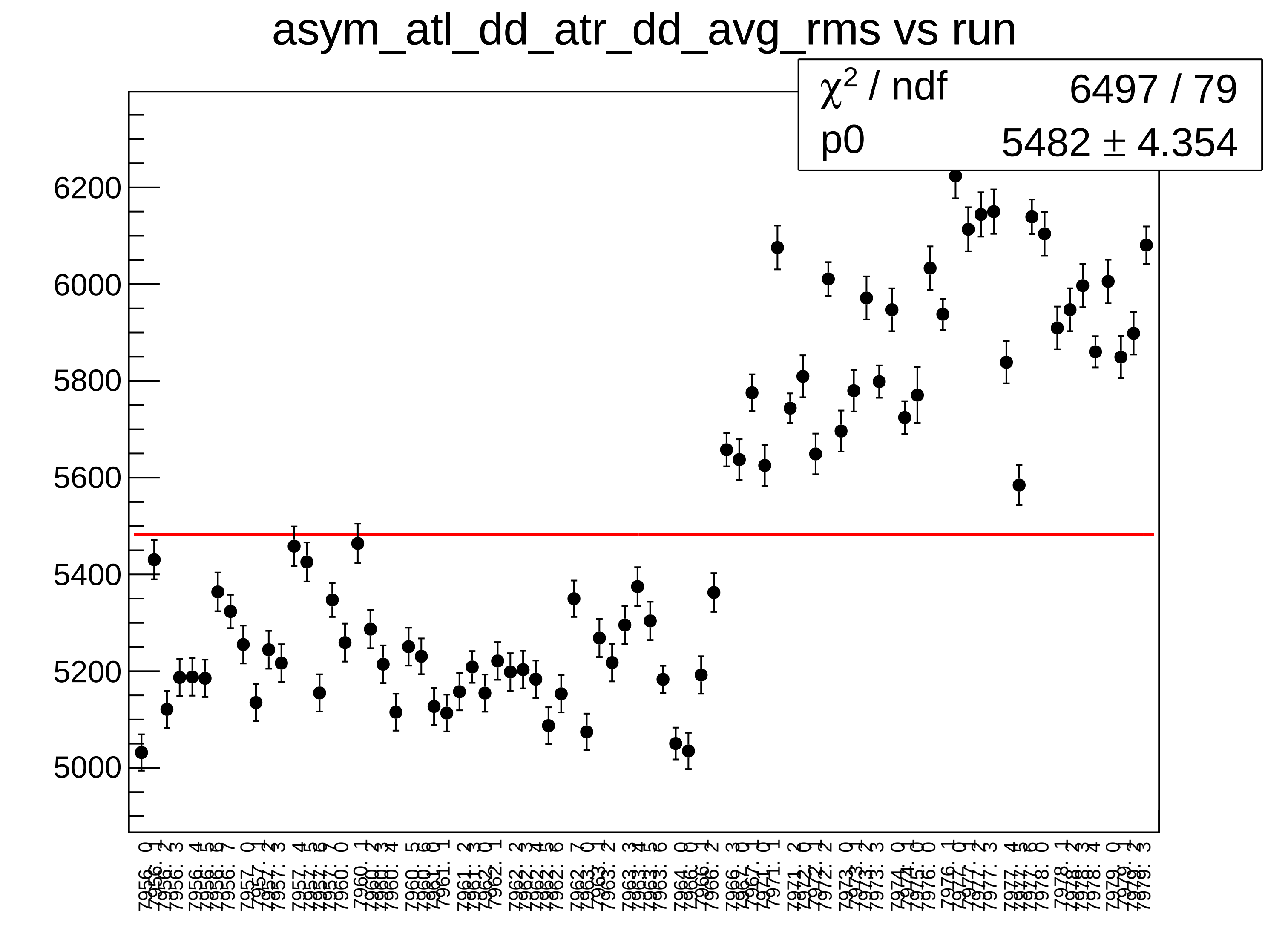
dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 5968 / 79
p0 1325 ± 1.052
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

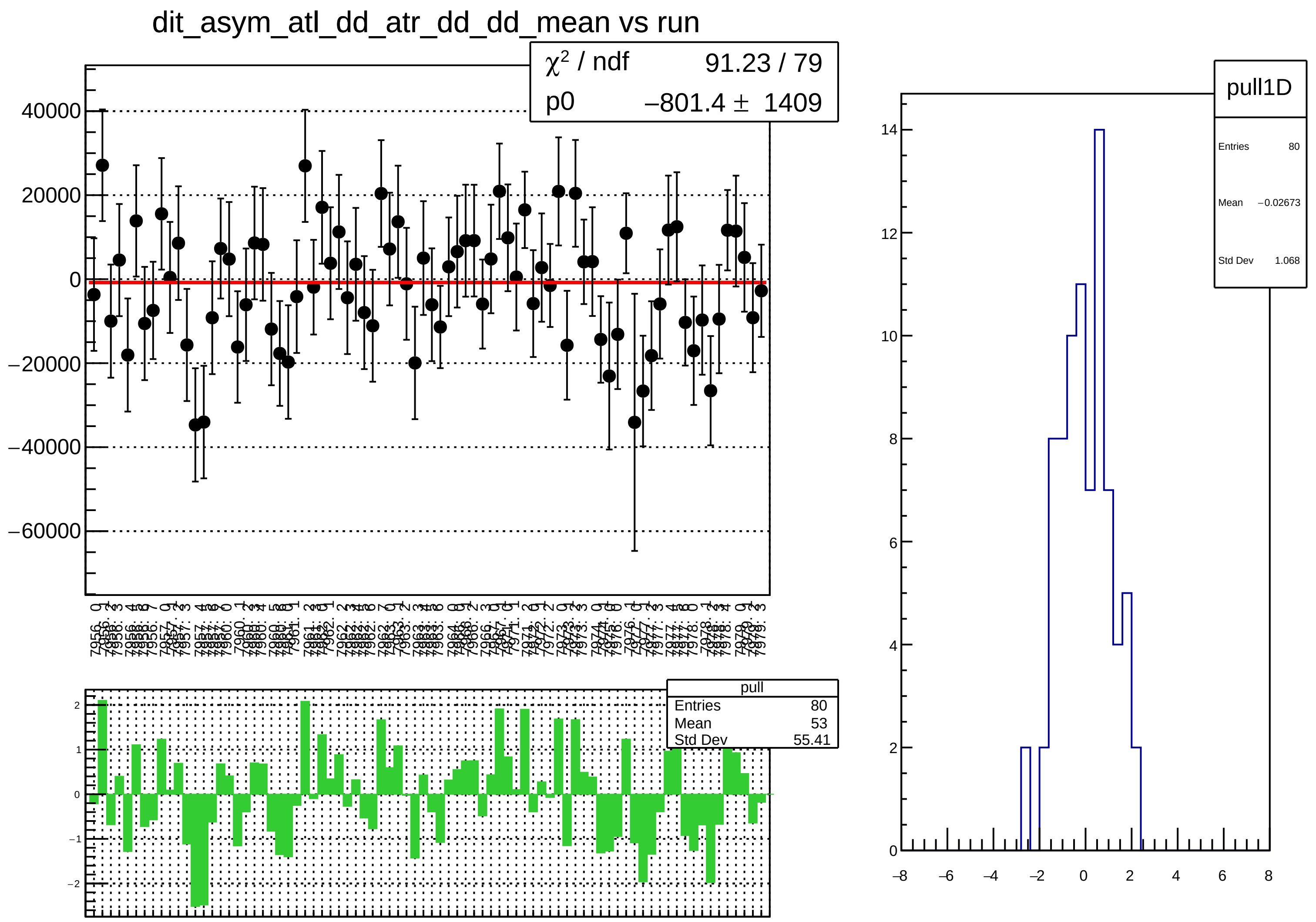

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ^2 / ndf 83.05 / 79
p0 −3473 ± 6013
pull
Entries 80
Mean 740
Std Dev 687.2
pull1D
Entries 80
Mean 0.004644
Std Dev 1.019


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 6863 / 79
p0 5353 ± 4.251
6200
6000
5800
5600
5400
5200
5000
4800

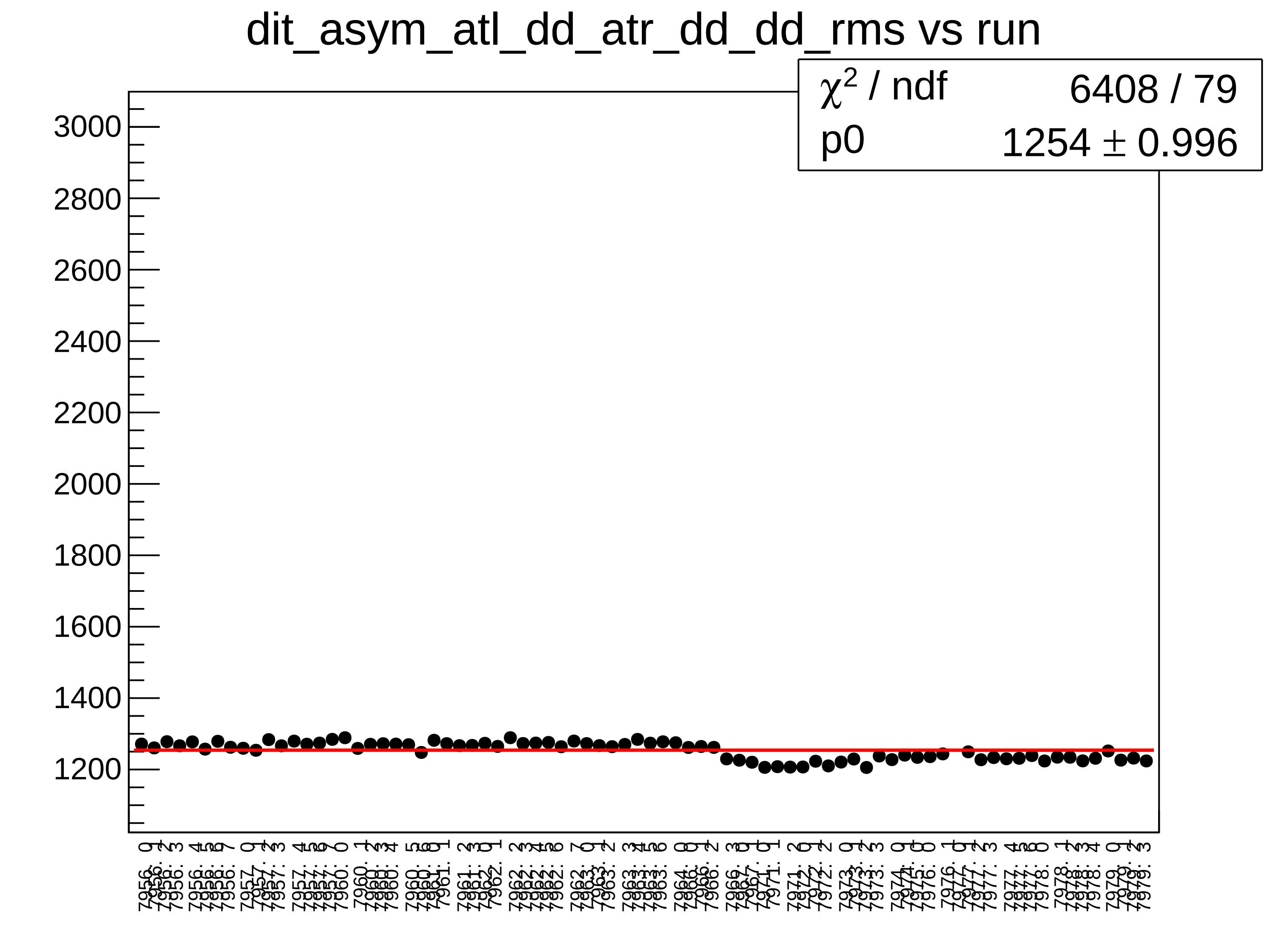


asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 82.29 / 79
p0 2967 ± 6158
pull
Entries 80
Mean 462
Std Dev 408.7
pull1D
Entries 80
Mean −0.006473
Std Dev 1.014


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

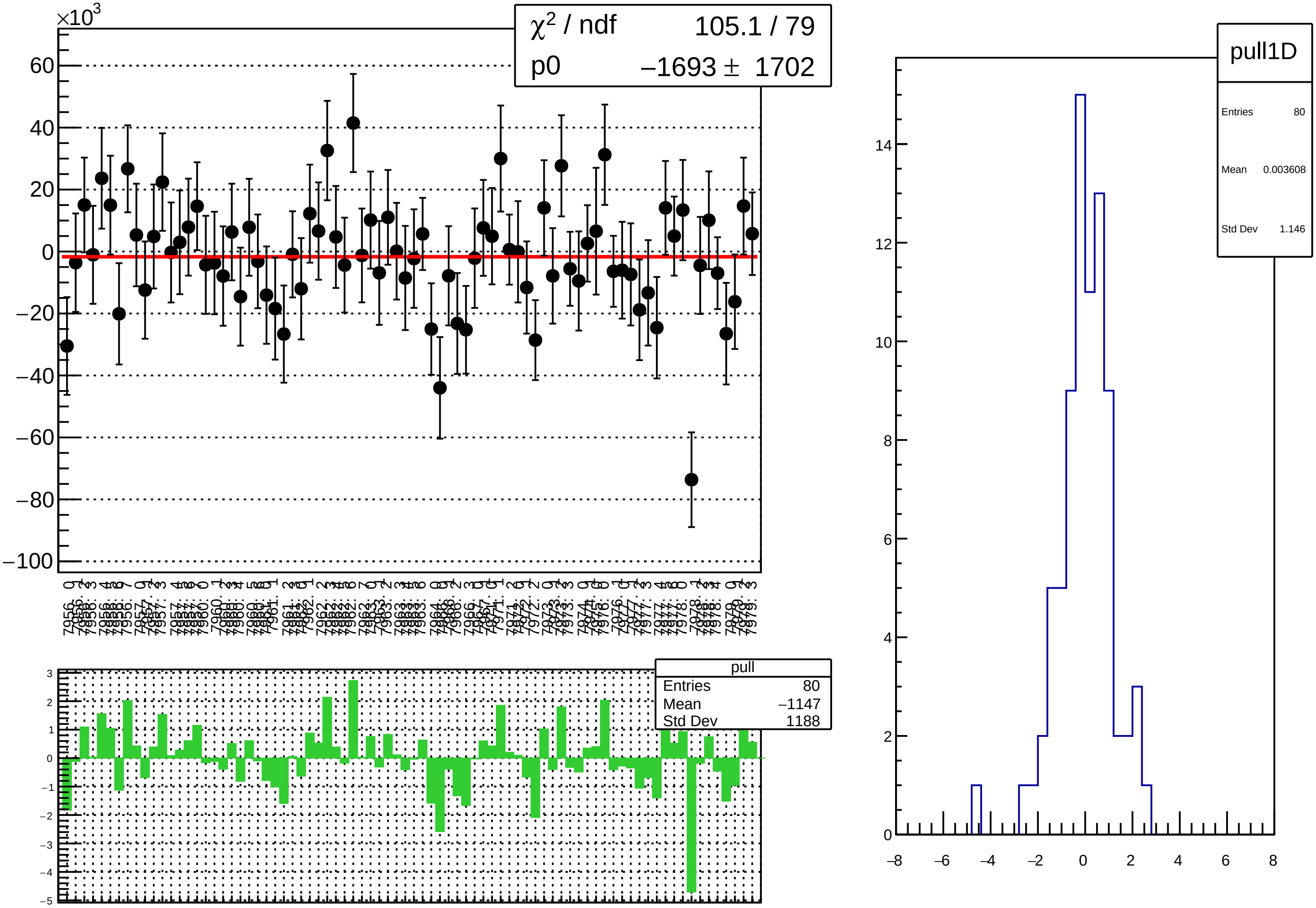


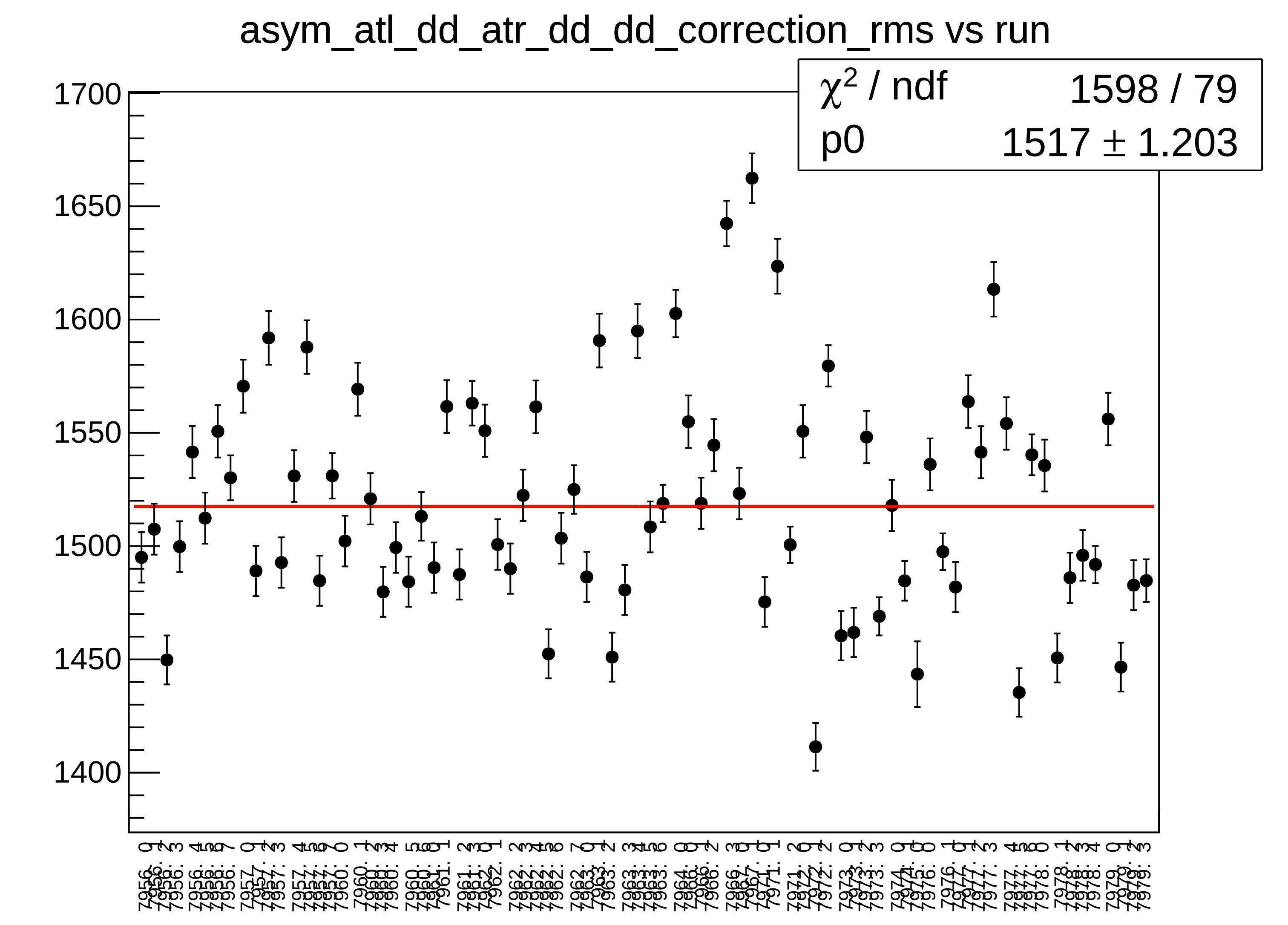
dit_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 91.23 / 79
p0 −801.4 ± 1409
pull
Entries 80
Mean 53
Std Dev 55.41
pull1D
Entries 80
Mean −0.02673
Std Dev 1.068

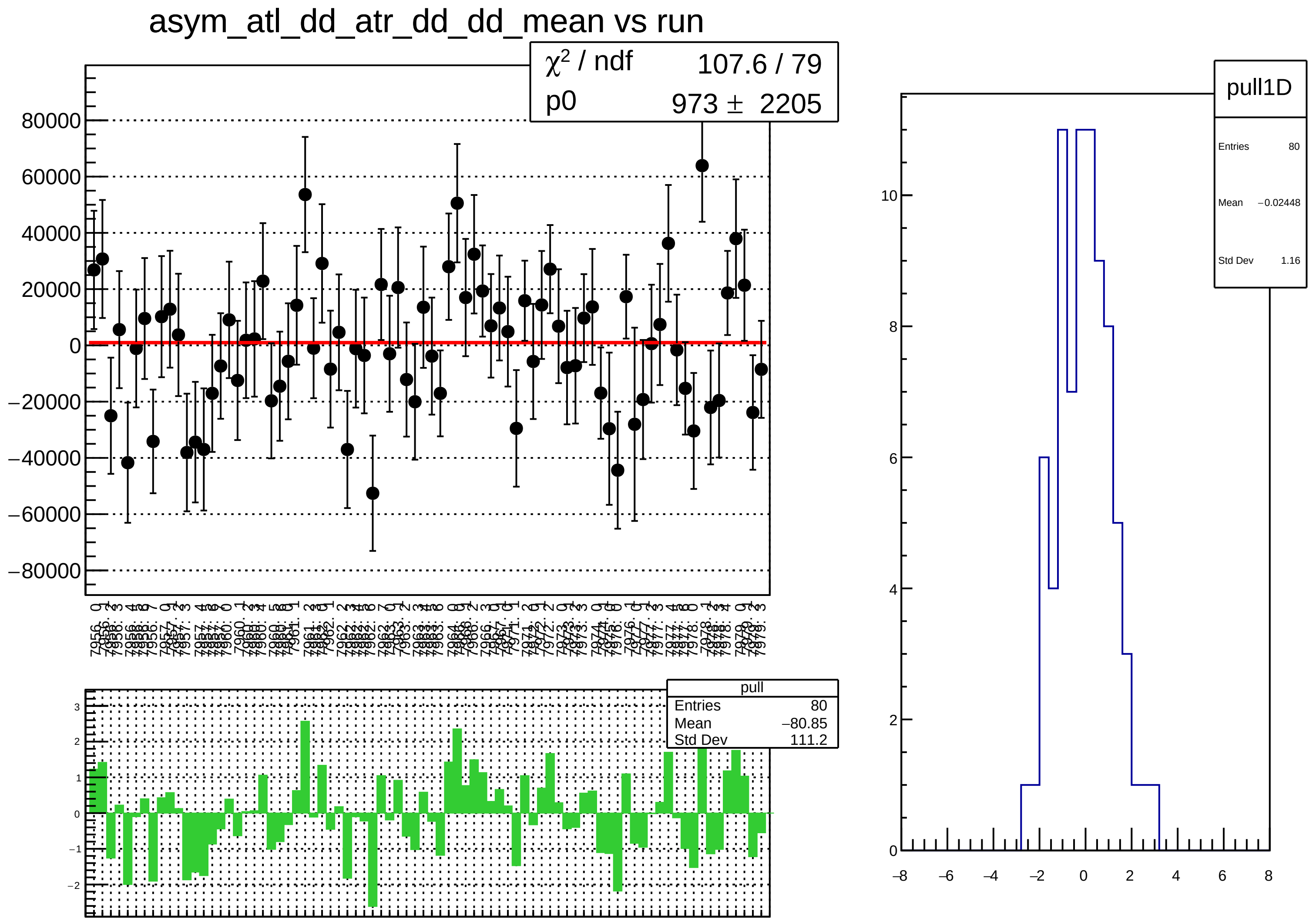


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 6408 / 79
p0 1254 ± 0.996

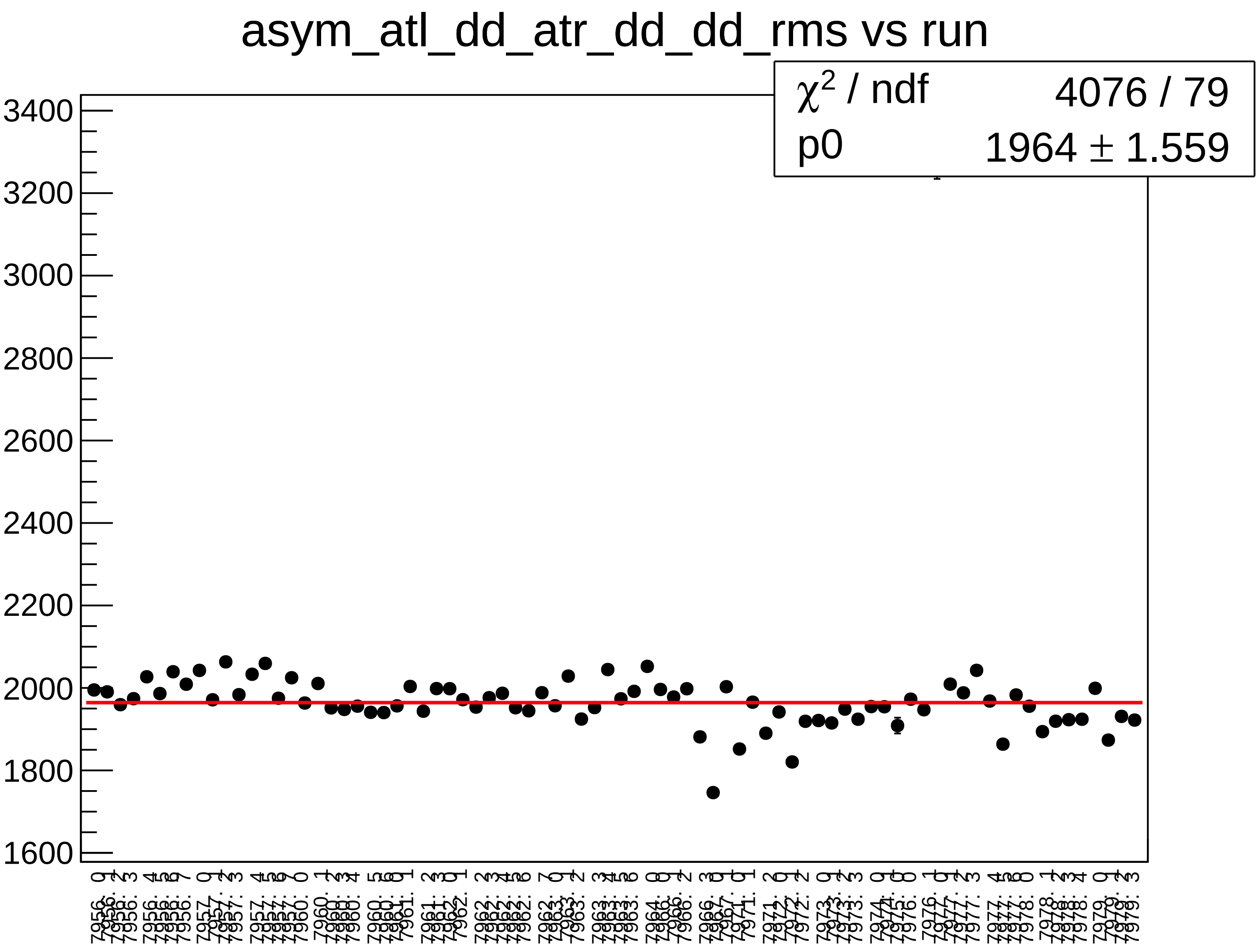
asym_atl_dd_atr_dd_dd_correction_mean vs run



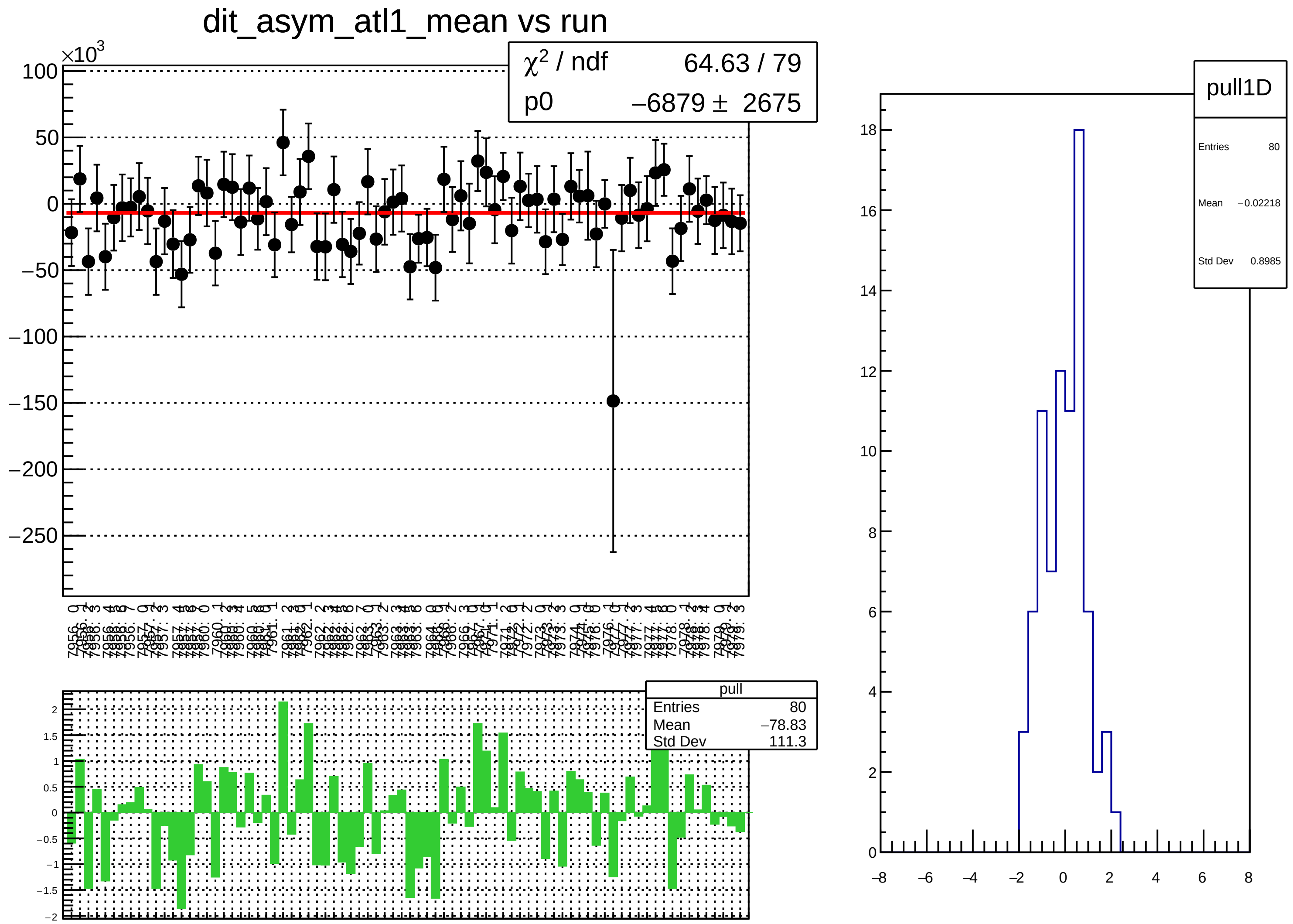

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1598 / 79
p0 1517 ± 1.203
1700
1650
1600
1550
1500
1450
1400



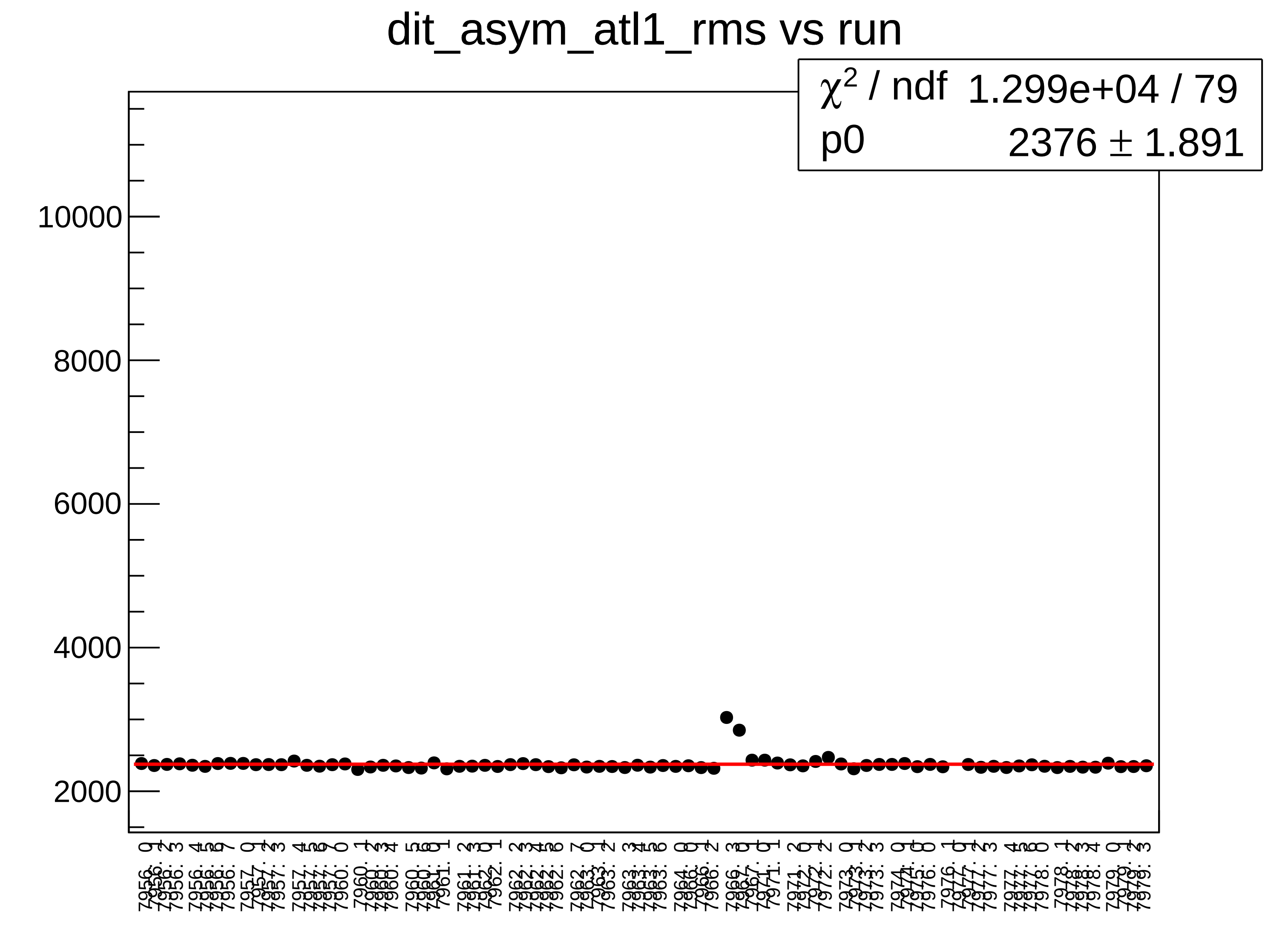
asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 107.6 / 79
p0 973 ± 2205
pull
Entries 80
Mean −80.85
Std Dev 111.2
pull1D
Entries 80
Mean −0.02448
Std Dev 1.16

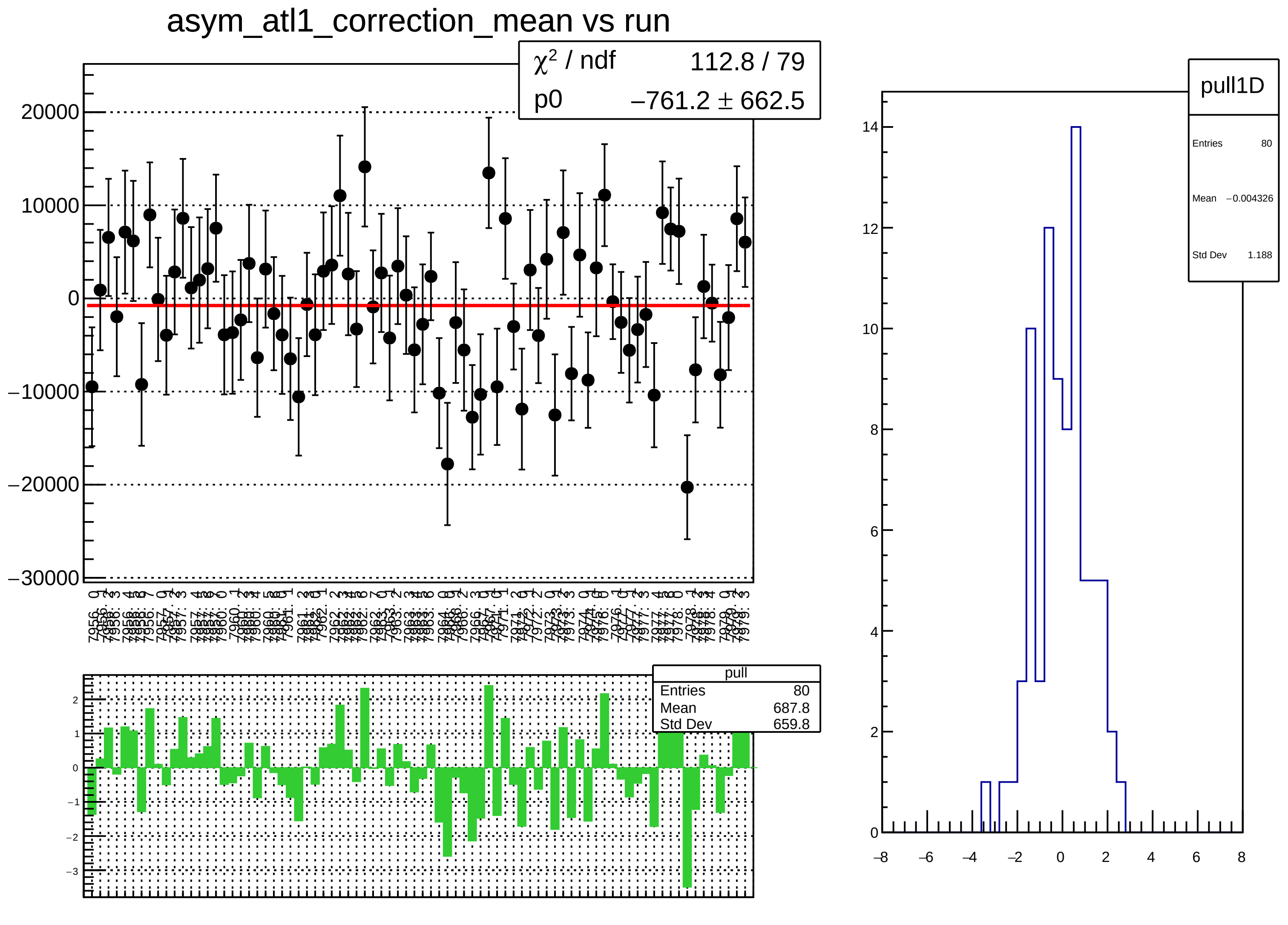


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 4076 / 79
p0 1964 ± 1.559
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

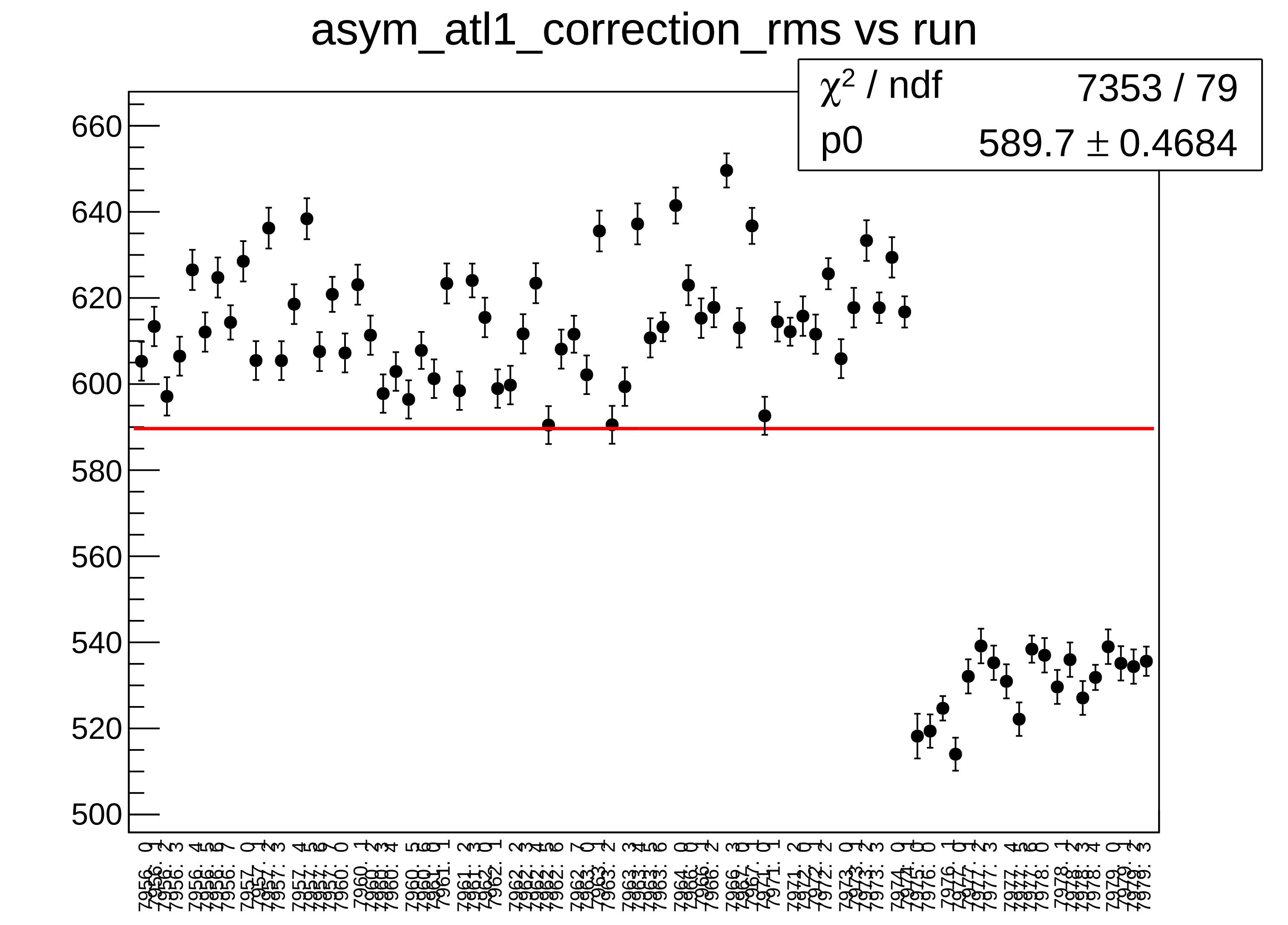


dit_asym_atl1_mean vs run
×10^3
χ2 / ndf 64.63 / 79
p0 −6879 ± 2675
pull
Entries 80
Mean −78.83
Std Dev 111.3
pull1D
Entries 80
Mean −0.02218
Std Dev 0.8985

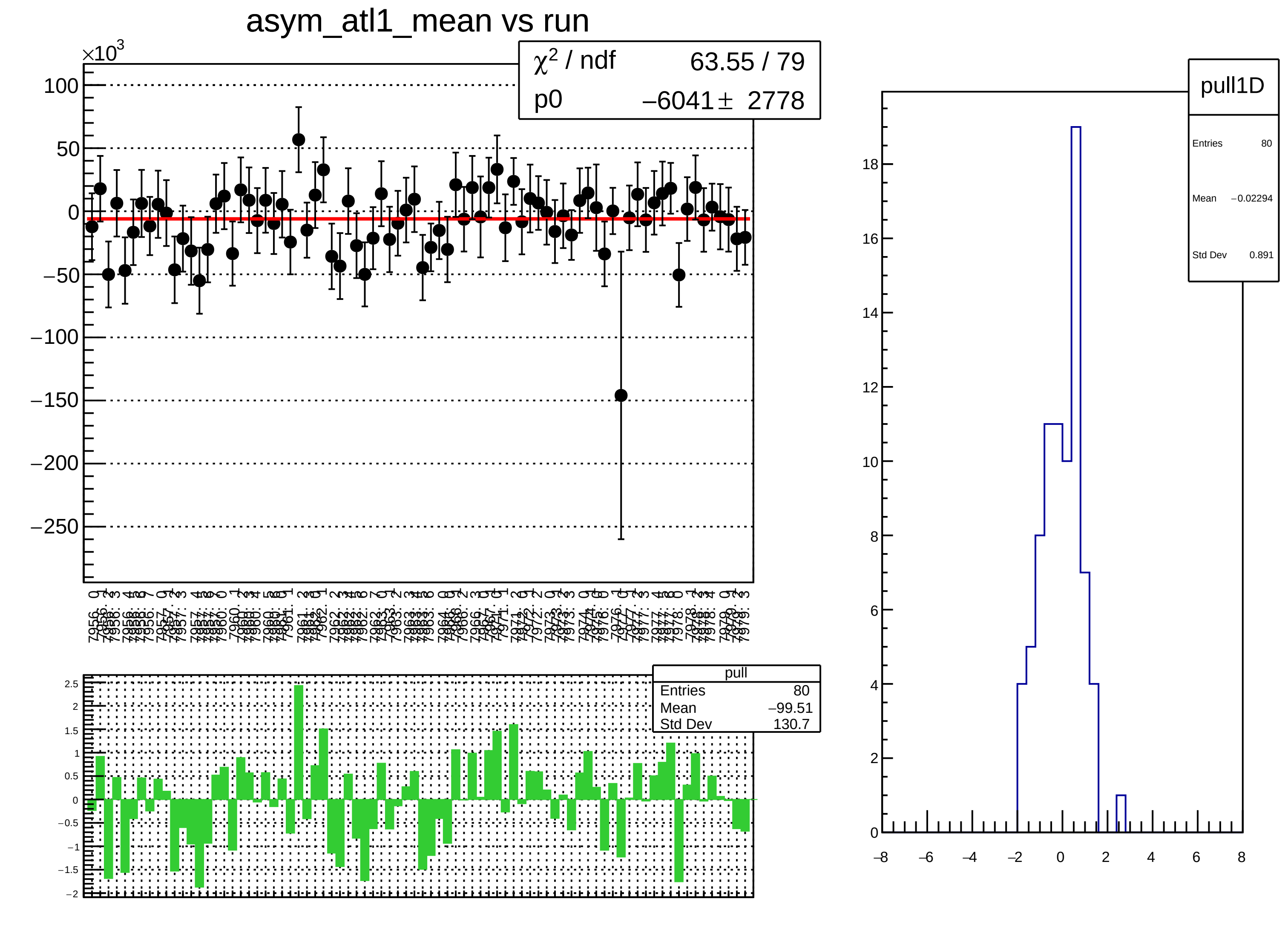

dit_asym_atl1_rms vs run
χ^2 / ndf 1.299e+04 / 79
p0 2376 ± 1.891

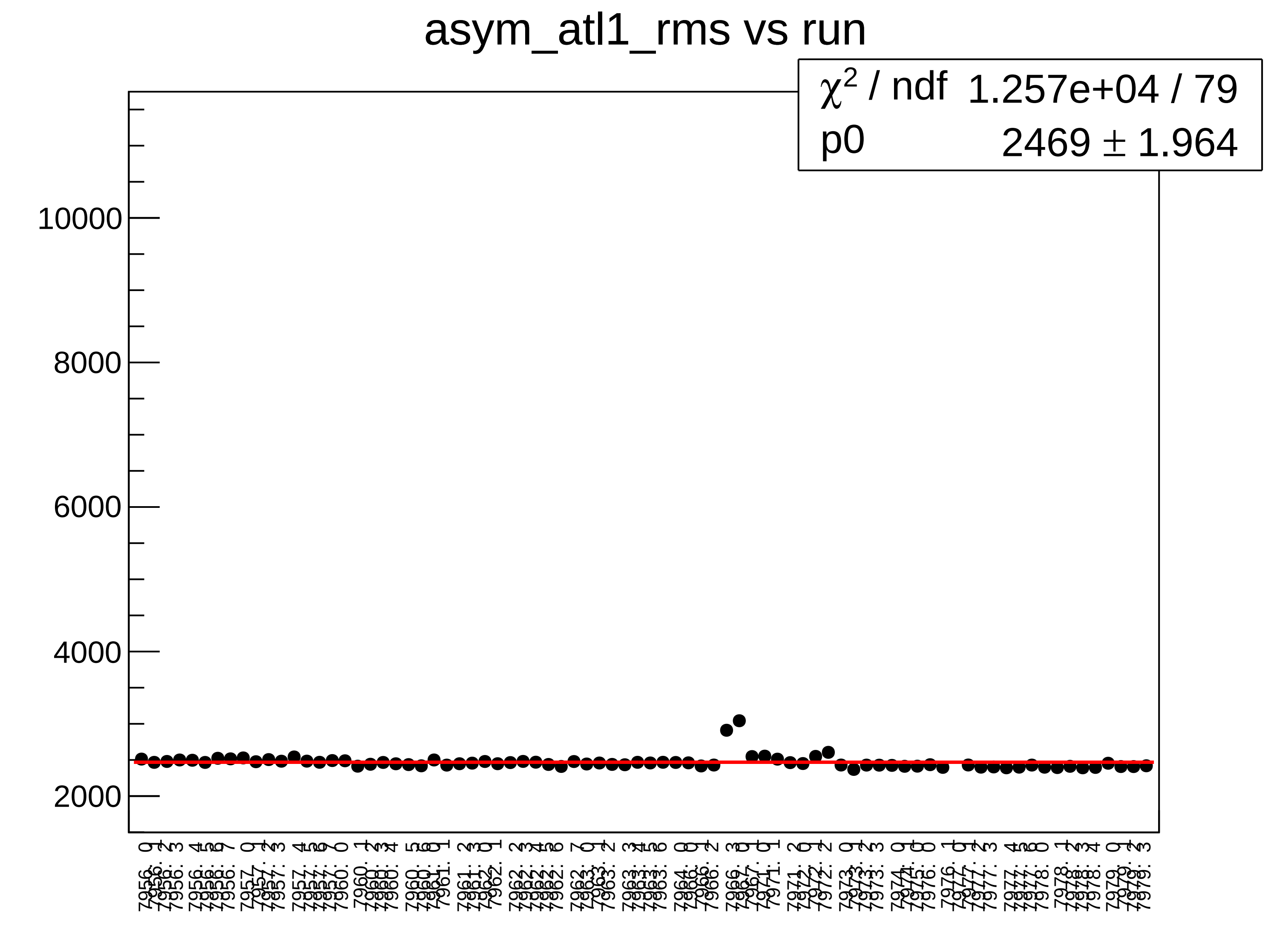


asym_atl1_correction_mean vs run
χ^2 / ndf 112.8 / 79
p0 −761.2 ± 662.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 687.8
Std Dev 659.8
pull1D
Entries 80
Mean −0.004326
Std Dev 1.188

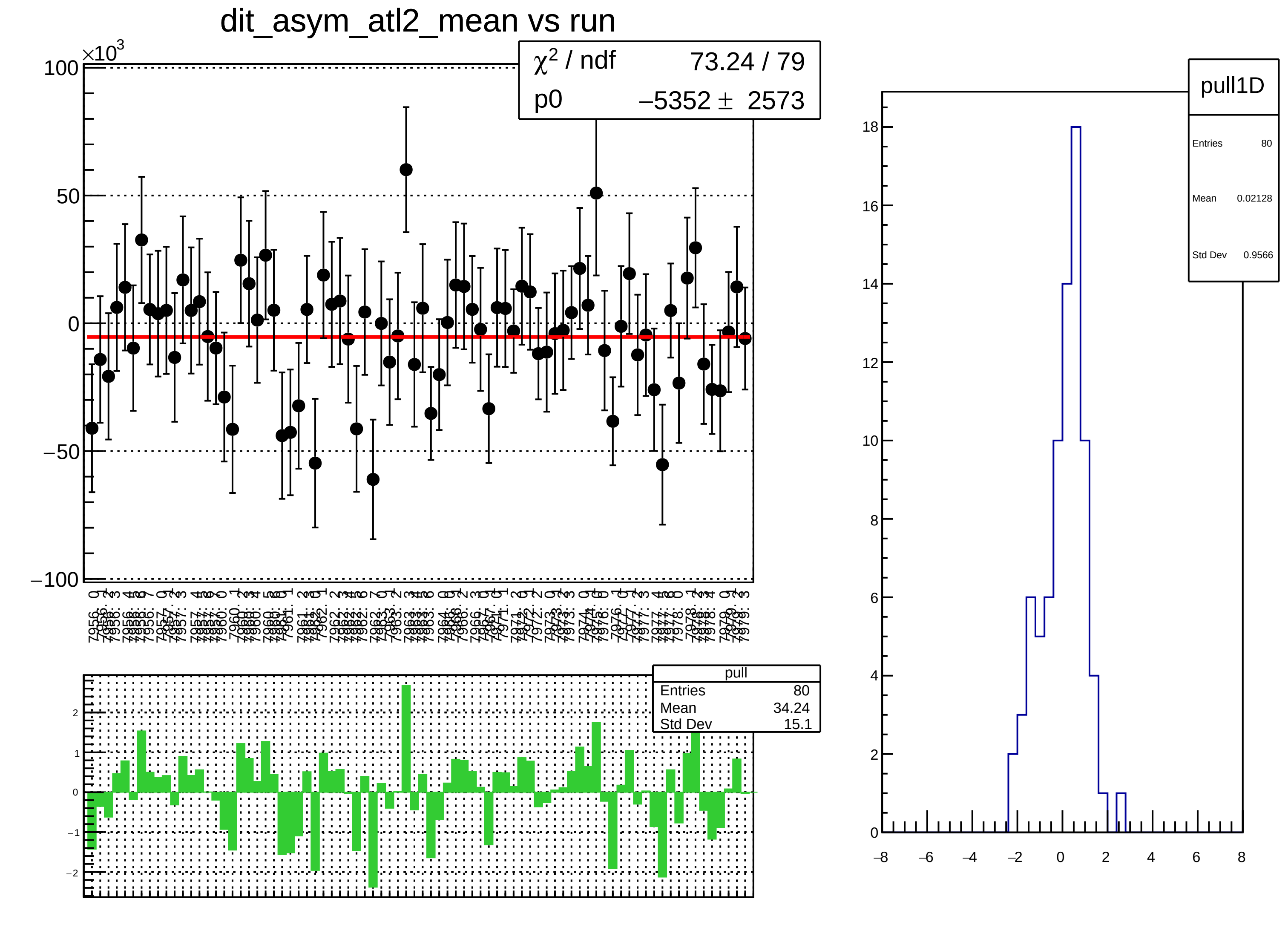


asym_atl1_correction_rms vs run
χ^2 / ndf 7353 / 79
p0 589.7 ± 0.4684
660
640
620
600
580
560
540
520
500

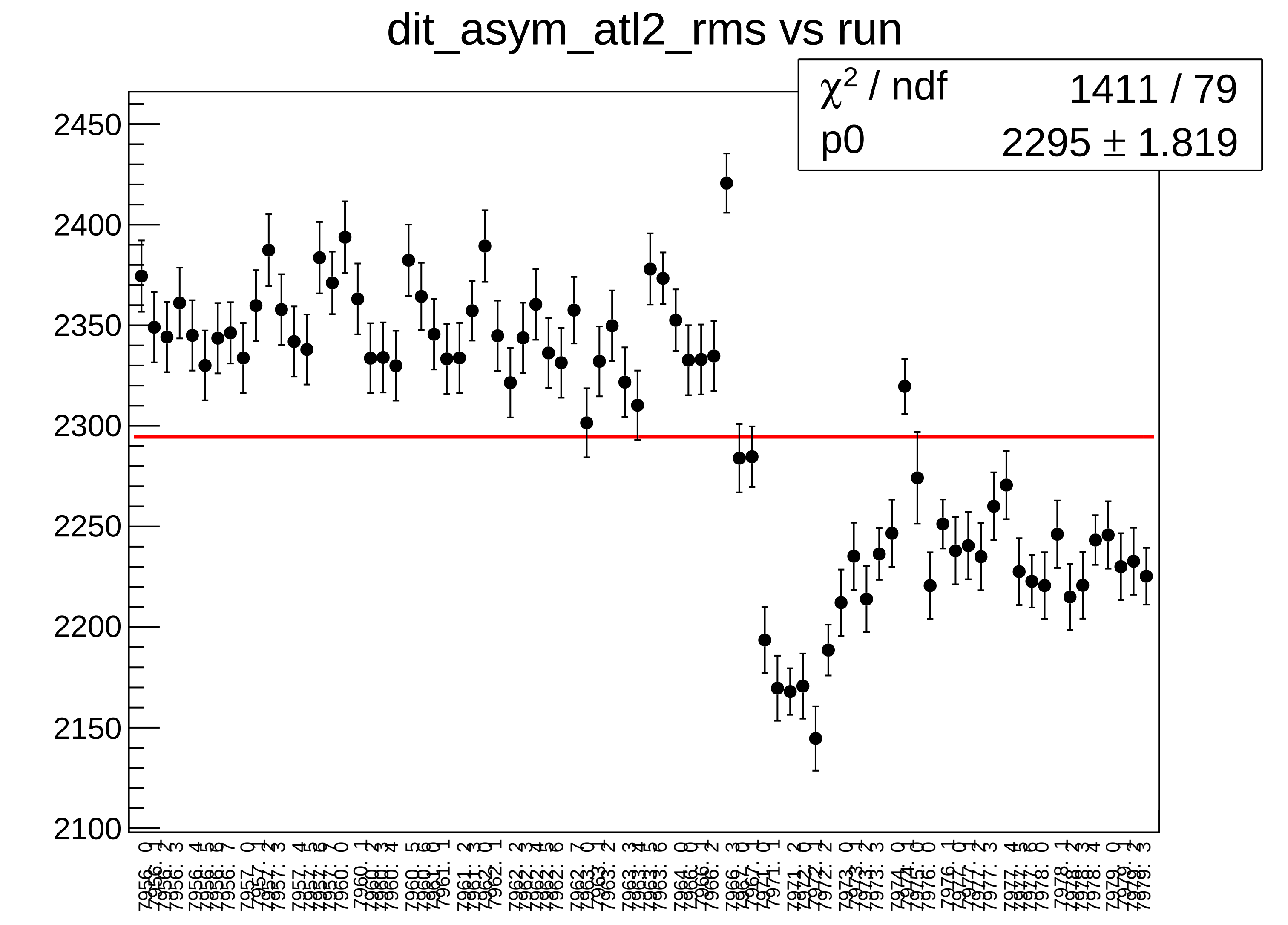

asym_atl1_mean vs run
×10^3
χ2 / ndf 63.55 / 79
p0 −6041 ± 2778
pull
Entries 80
Mean −99.51
Std Dev 130.7
pull1D
Entries 80
Mean −0.02294
Std Dev 0.891

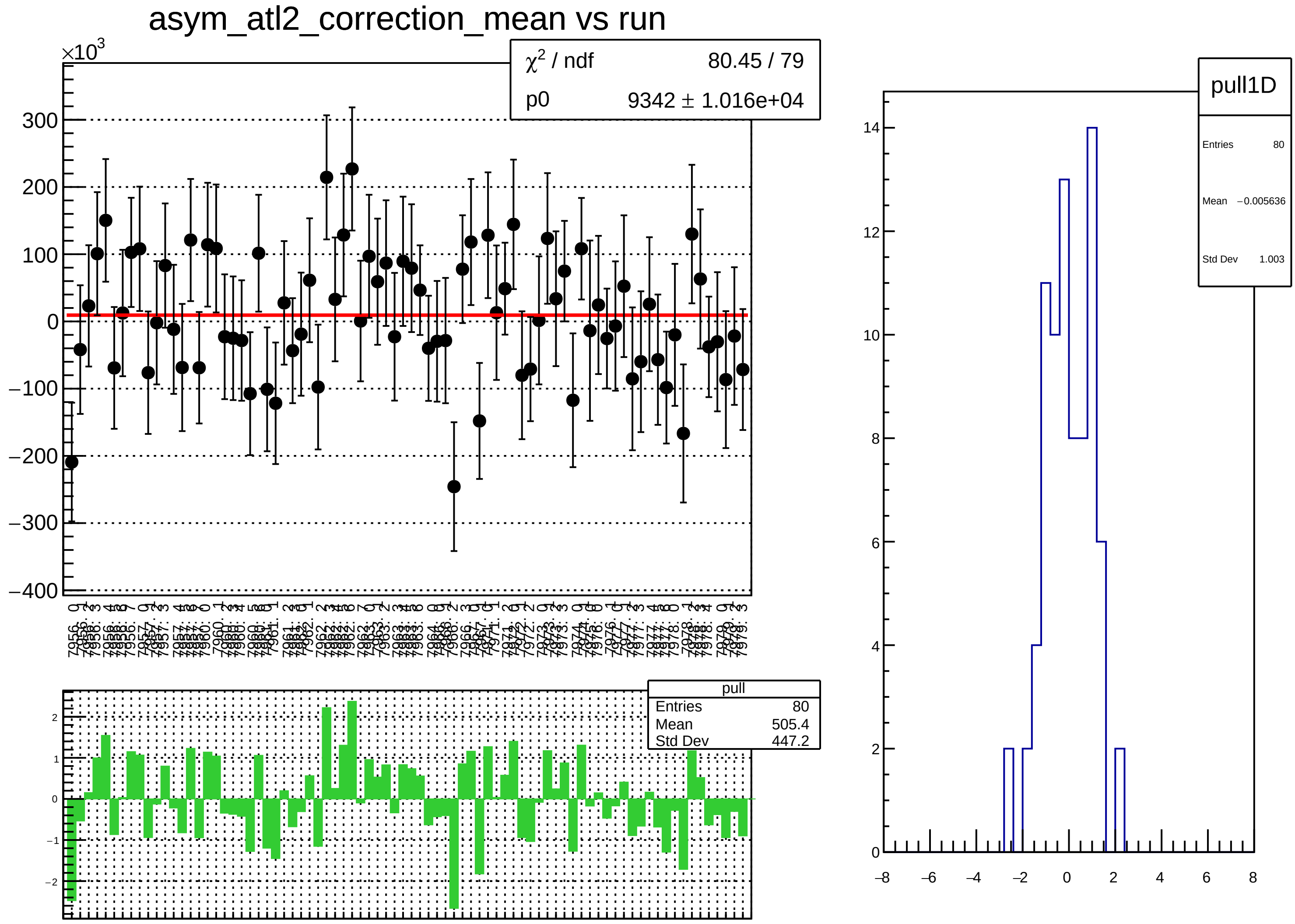


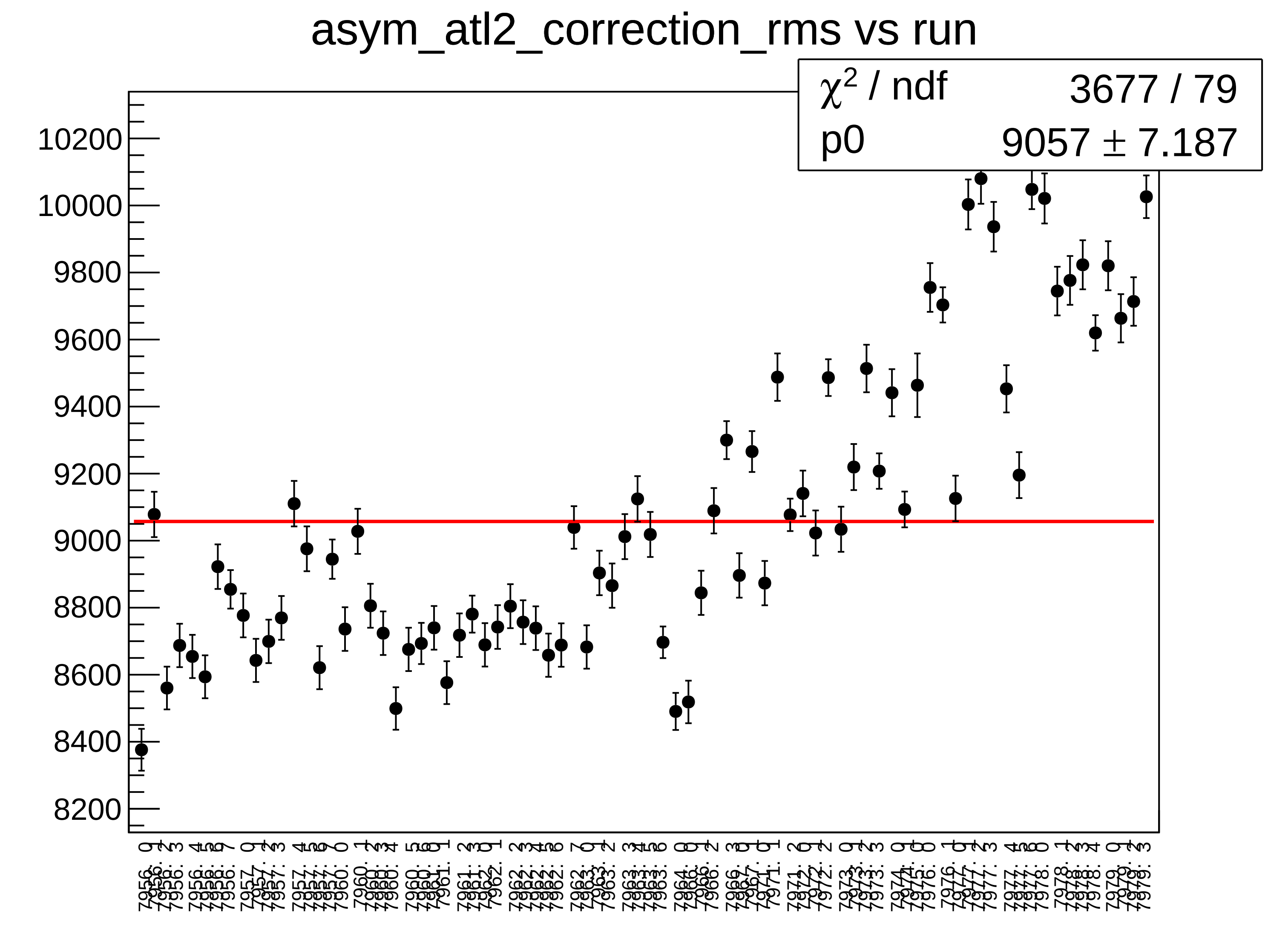
asym_atl1_rms vs run
χ^2 / ndf 1.257e+04 / 79
p0 2469 ± 1.964
10000
8000
6000
4000
2000



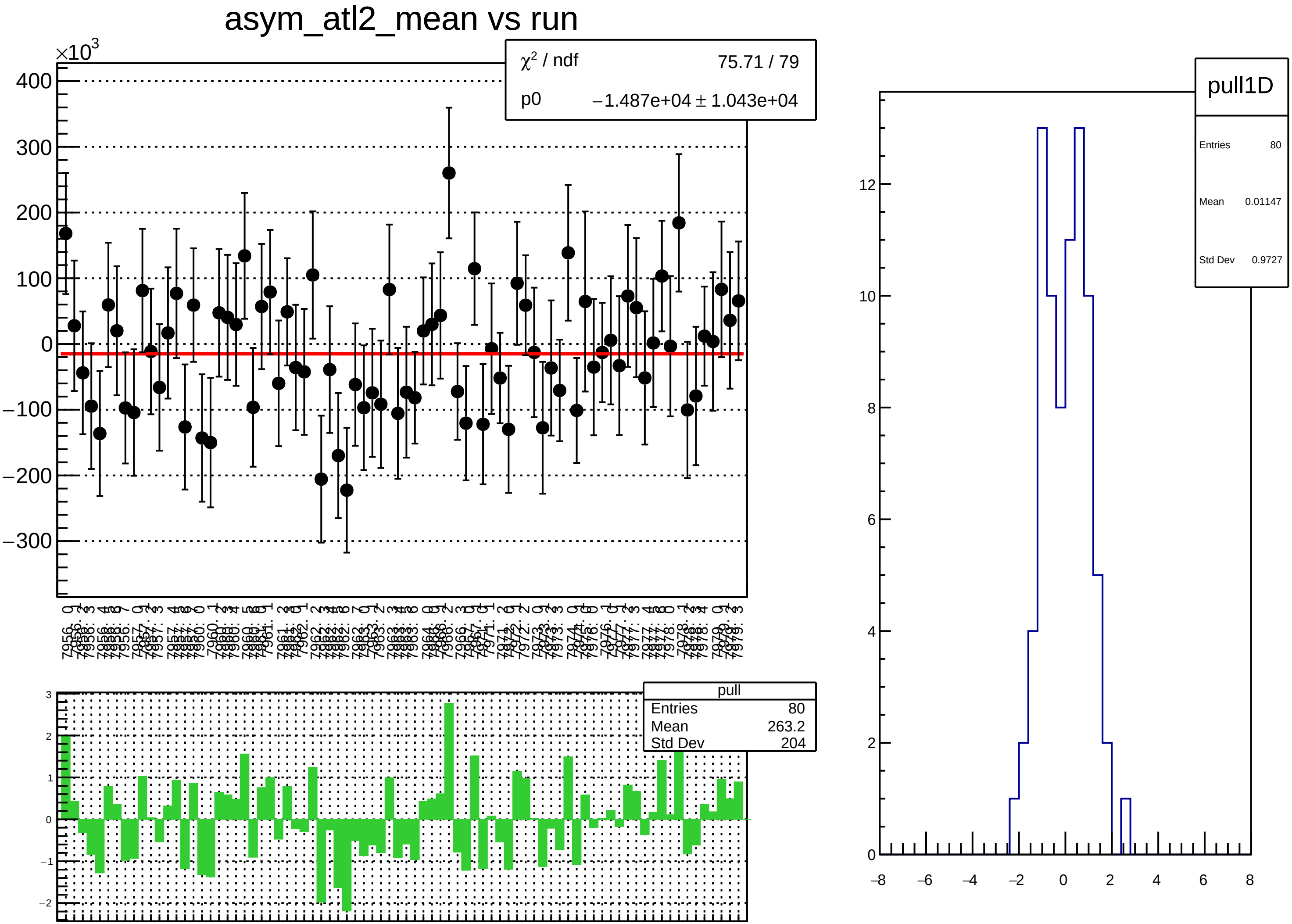
dit_asym_atl2_mean vs run
χ^2 / ndf 73.24 / 79
p0 −5352 ± 2573
×10³
100
50
0
−50
−100
pull
Entries 80
Mean 34.24
Std Dev 15.1
pull1D
Entries 80
Mean 0.02128
Std Dev 0.9566

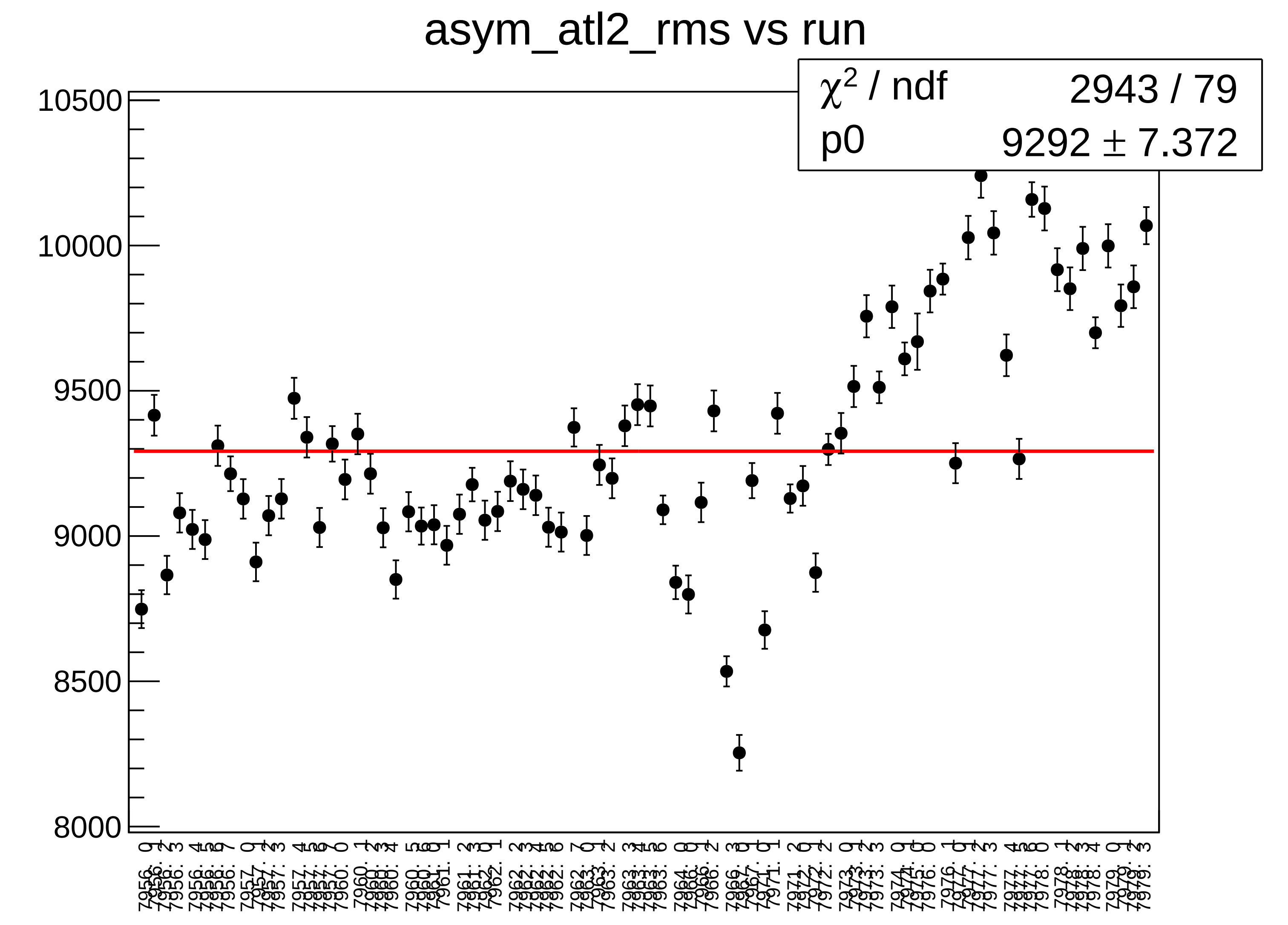

dit_asym_atl2_rms vs run
χ^2 / ndf 1411 / 79
p0 2295 ± 1.819
2450
2400
2350
2300
2250
2200
2150
2100

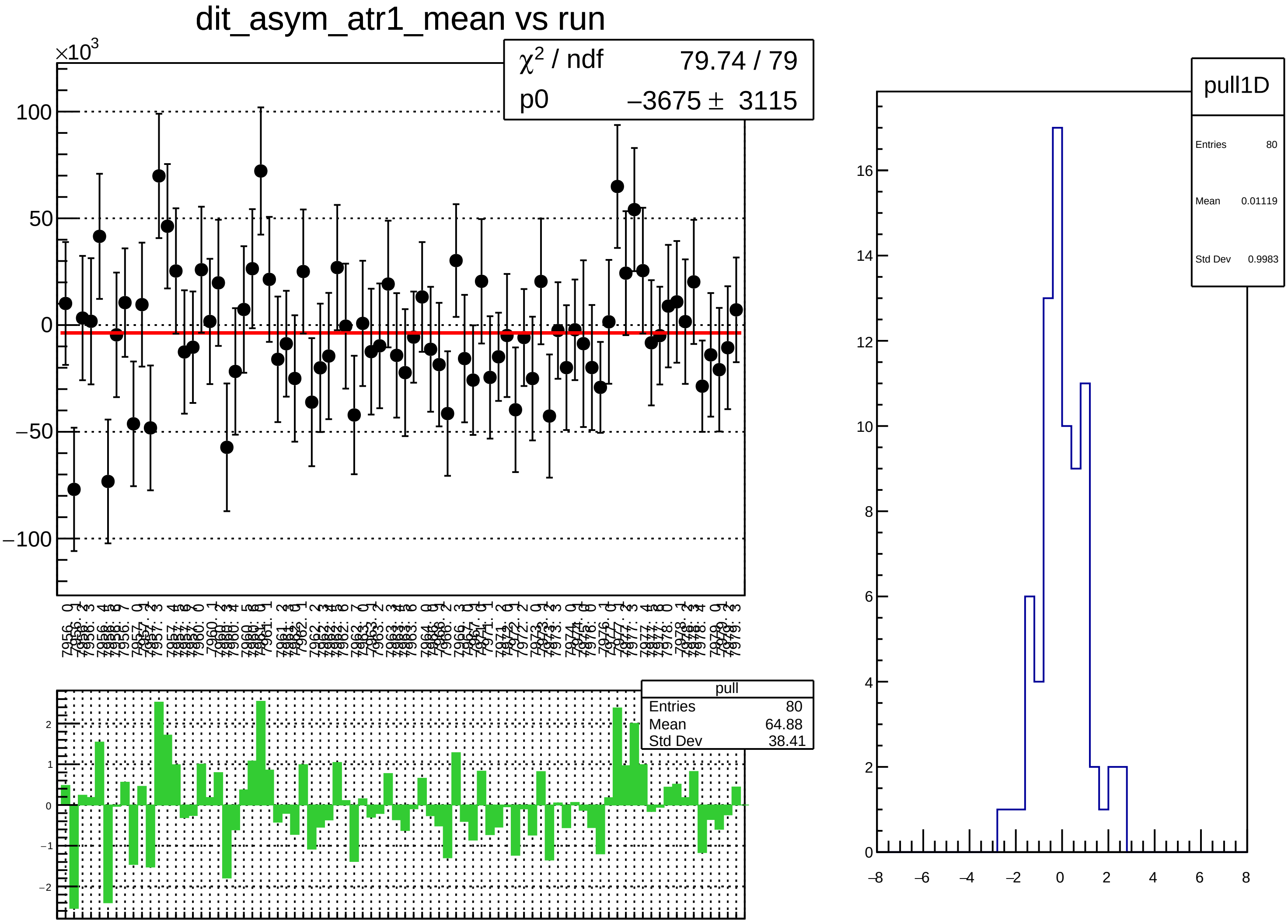

asym_atl2_correction_mean vs run
×10^3
χ2 / ndf 80.45 / 79
p0 9342 ± 1.016e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 80
Mean 505.4
Std Dev 447.2
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.005636
Std Dev 1.003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

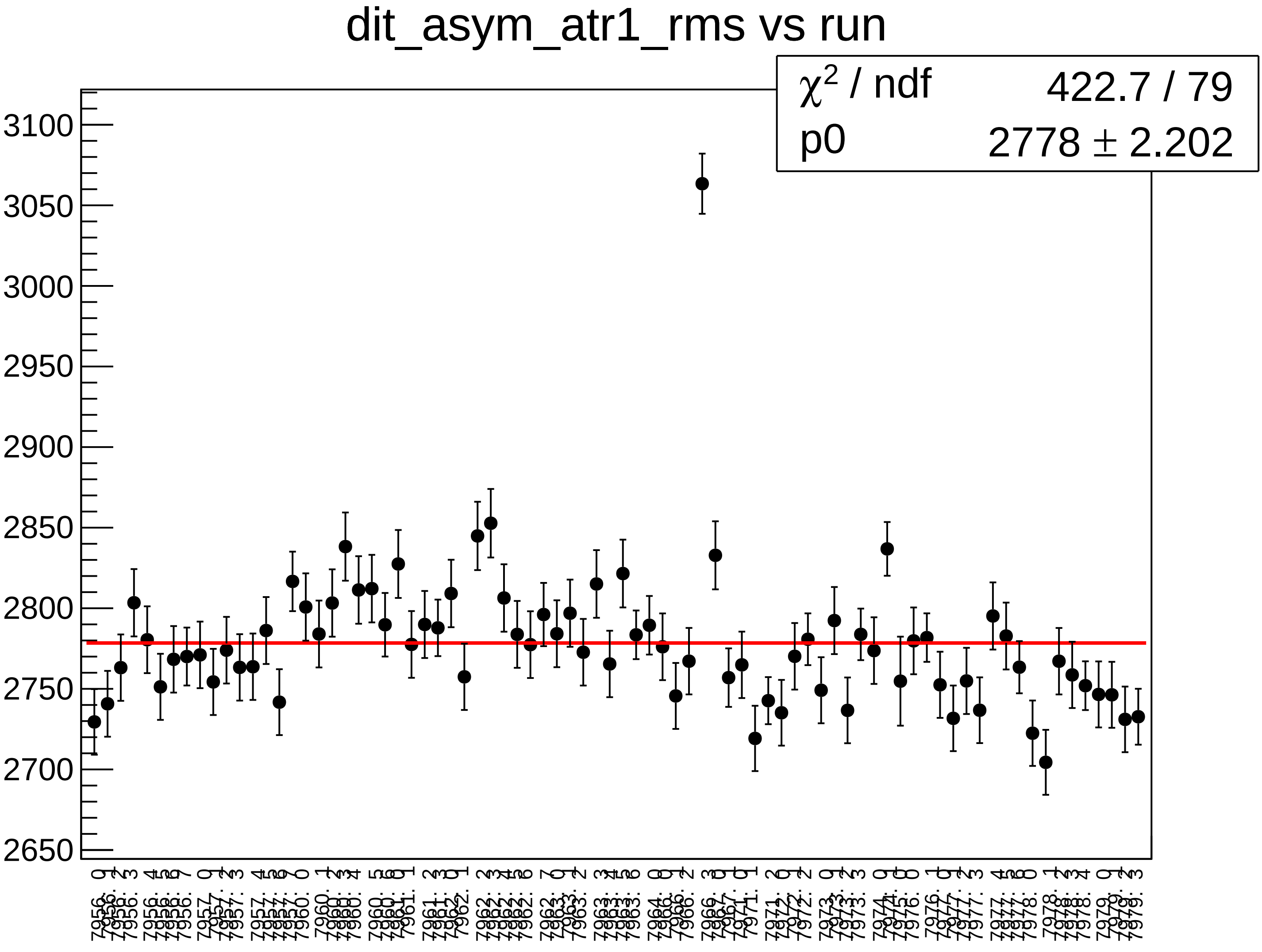


asym_atl2_correction_rms vs run
χ^2 / ndf 3677 / 79
p0 9057 ± 7.187
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200


asym_atl2_mean vs run
×10^3
χ2 / ndf 75.71 / 79
p0 −1.487e+04 ± 1.043e+04
pull
Entries 80
Mean 263.2
Std Dev 204
pull1D
Entries 80
Mean 0.01147
Std Dev 0.9727

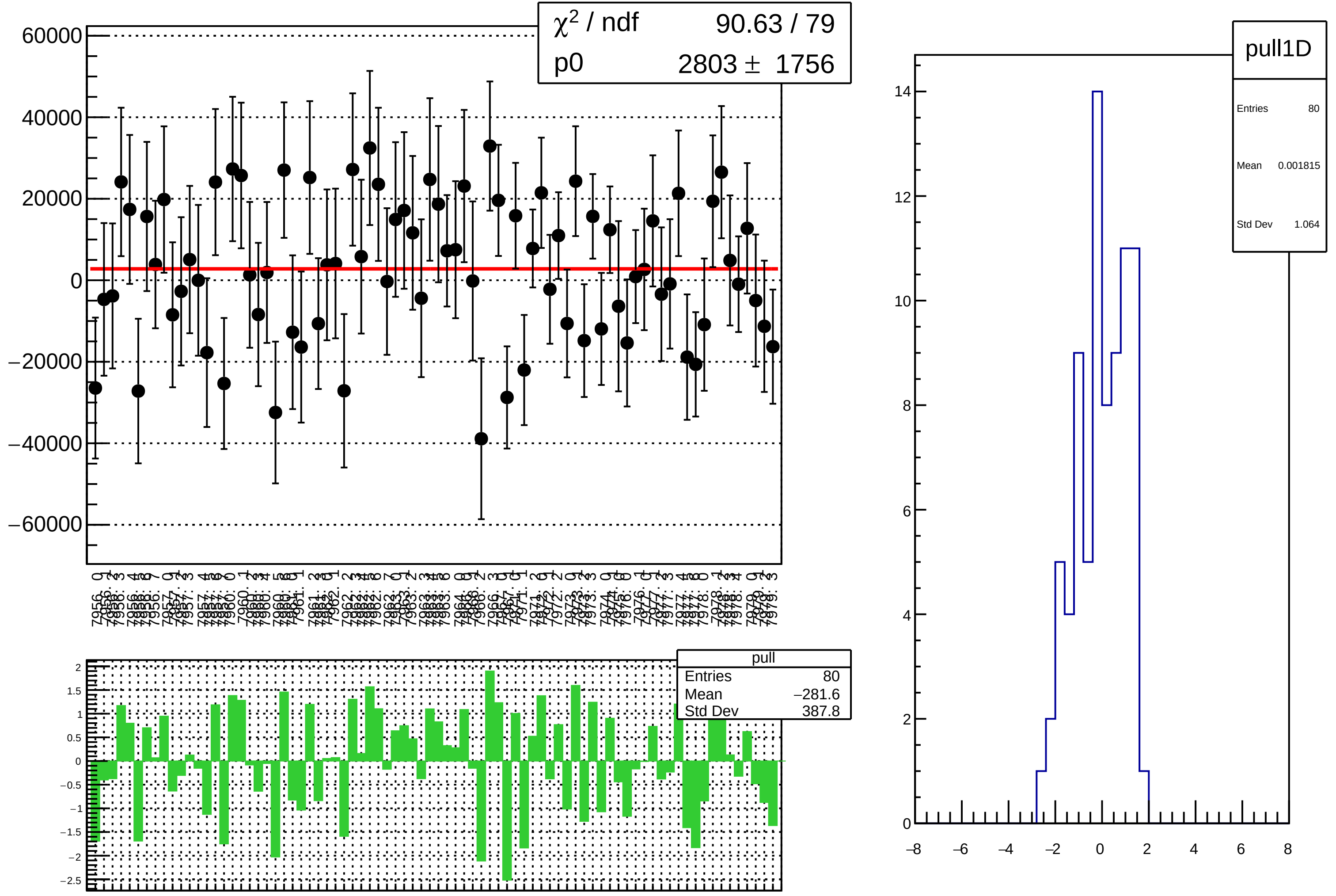

asym_atl2_rms vs run
χ^2 / ndf 2943 / 79
p0 9292 ± 7.372

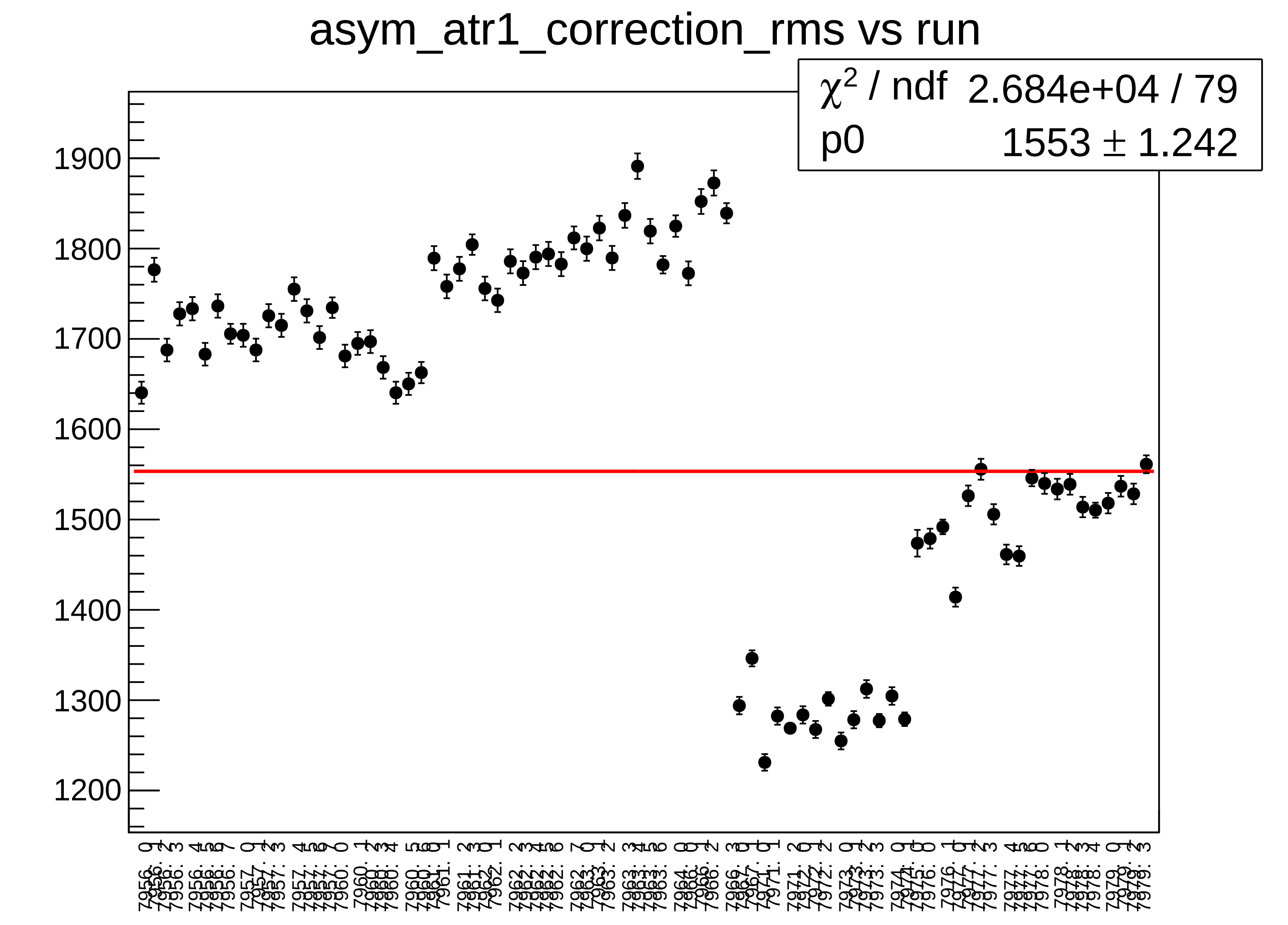

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 79.74 / 79
p0 −3675 ± 3115
pull
Entries 80
Mean 64.88
Std Dev 38.41
pull1D
Entries 80
Mean 0.01119
Std Dev 0.9983



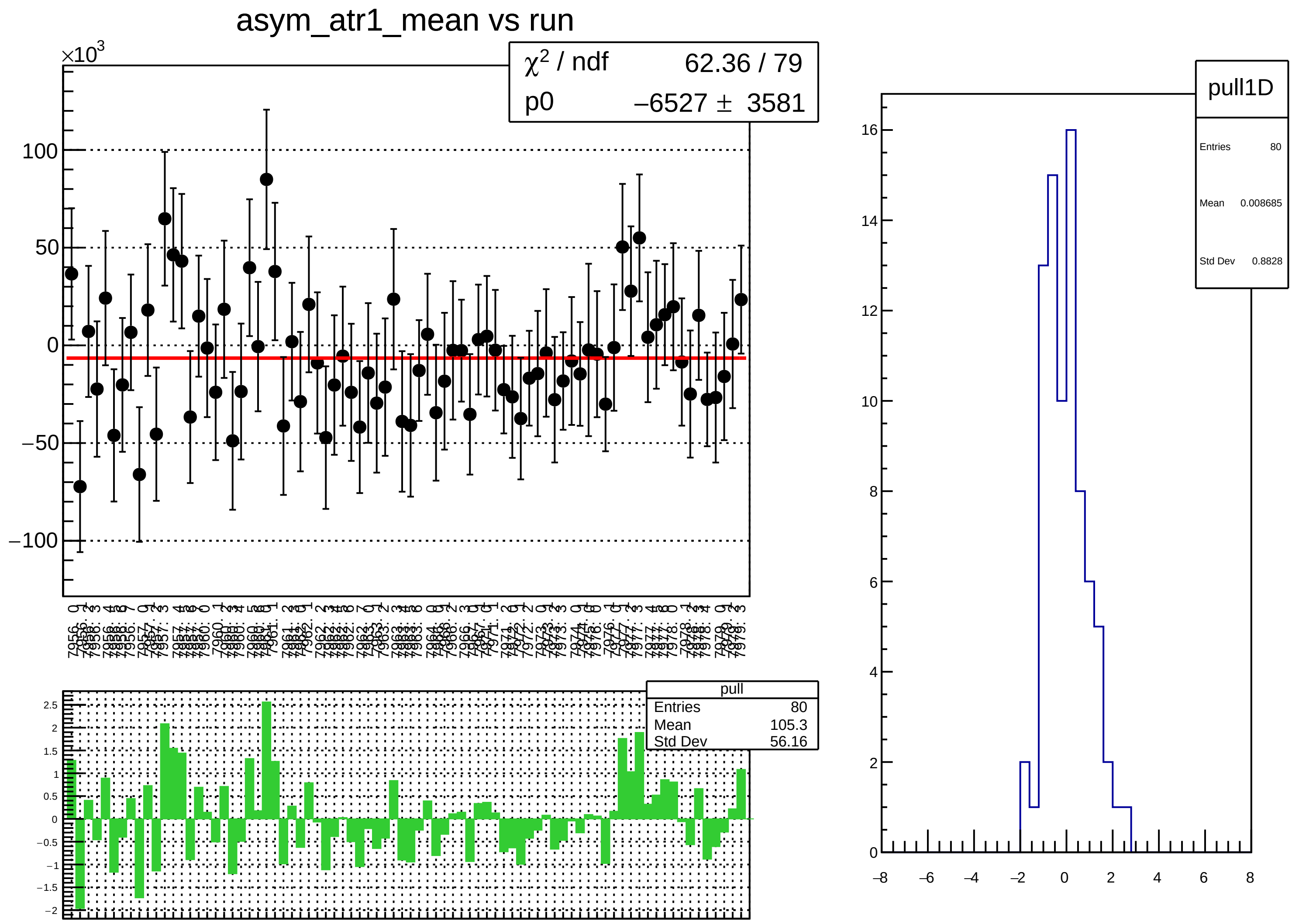
dit_asym_atr1_rms vs run
χ^2 / ndf 422.7 / 79
p0 2778 ± 2.202
3100
3050
3000
2950
2900
2850
2800
2750
2700
2650

asym_atr1_correction_mean vs run

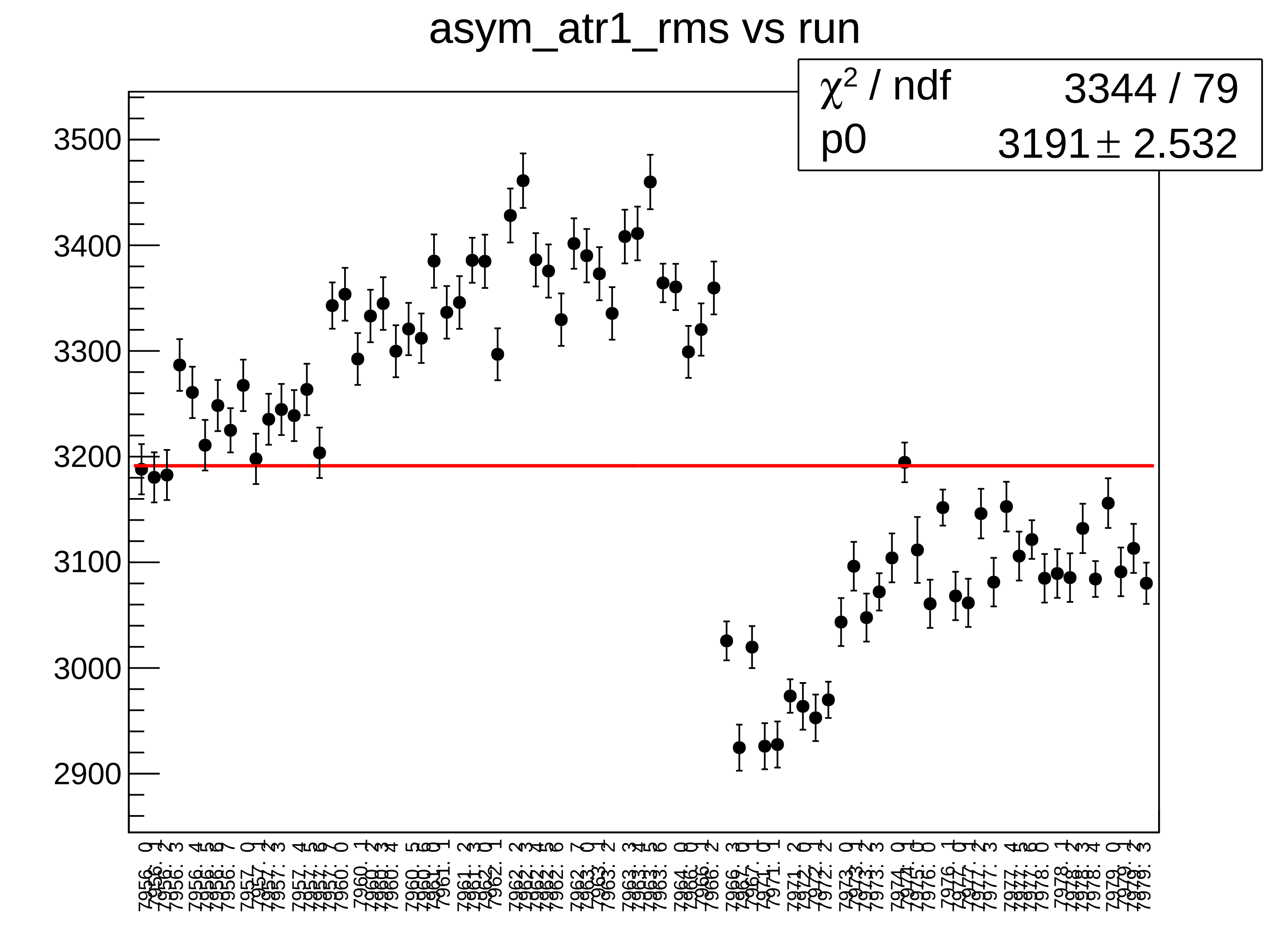




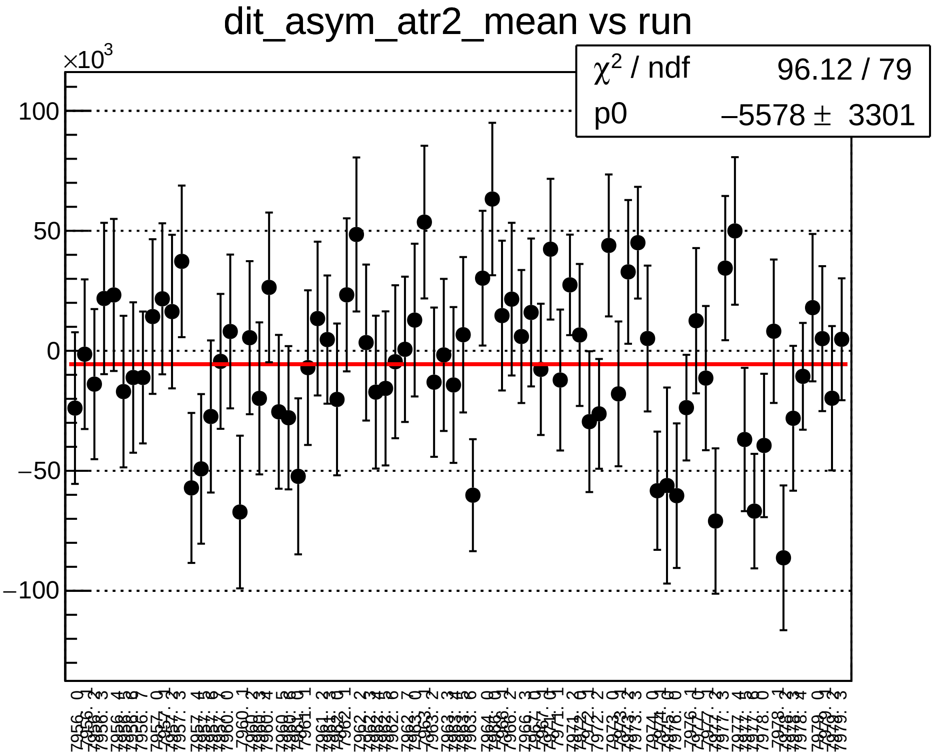
asym_atr1_correction_rms vs run
χ^2 / ndf 2.684e+04 / 79
p0 1553 ± 1.242
1900
1800
1700
1600
1500
1400
1300
1200

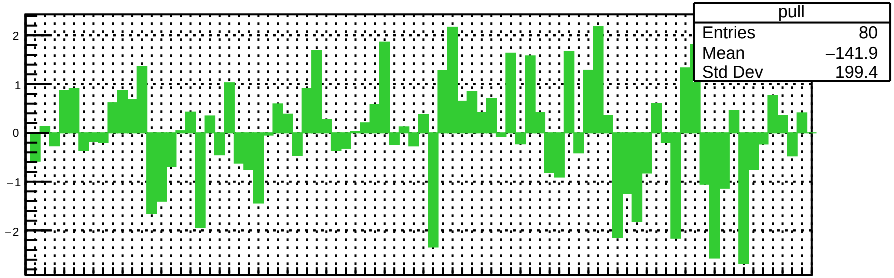


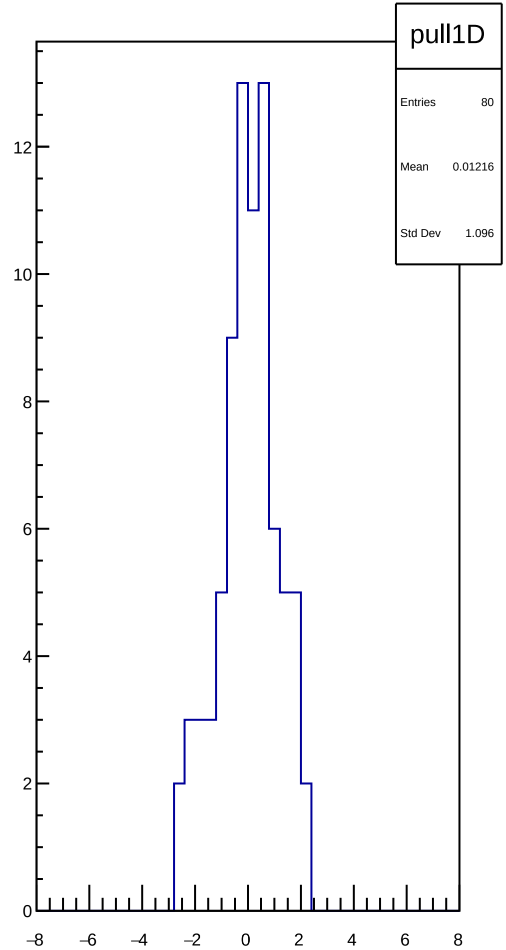
asym_atr1_mean vs run
×10^3
χ2 / ndf 62.36 / 79
p0 −6527 ± 3581
100
50
0
−50
−100
pull
Entries 80
Mean 105.3
Std Dev 56.16
pull1D
Entries 80
Mean 0.008685
Std Dev 0.8828

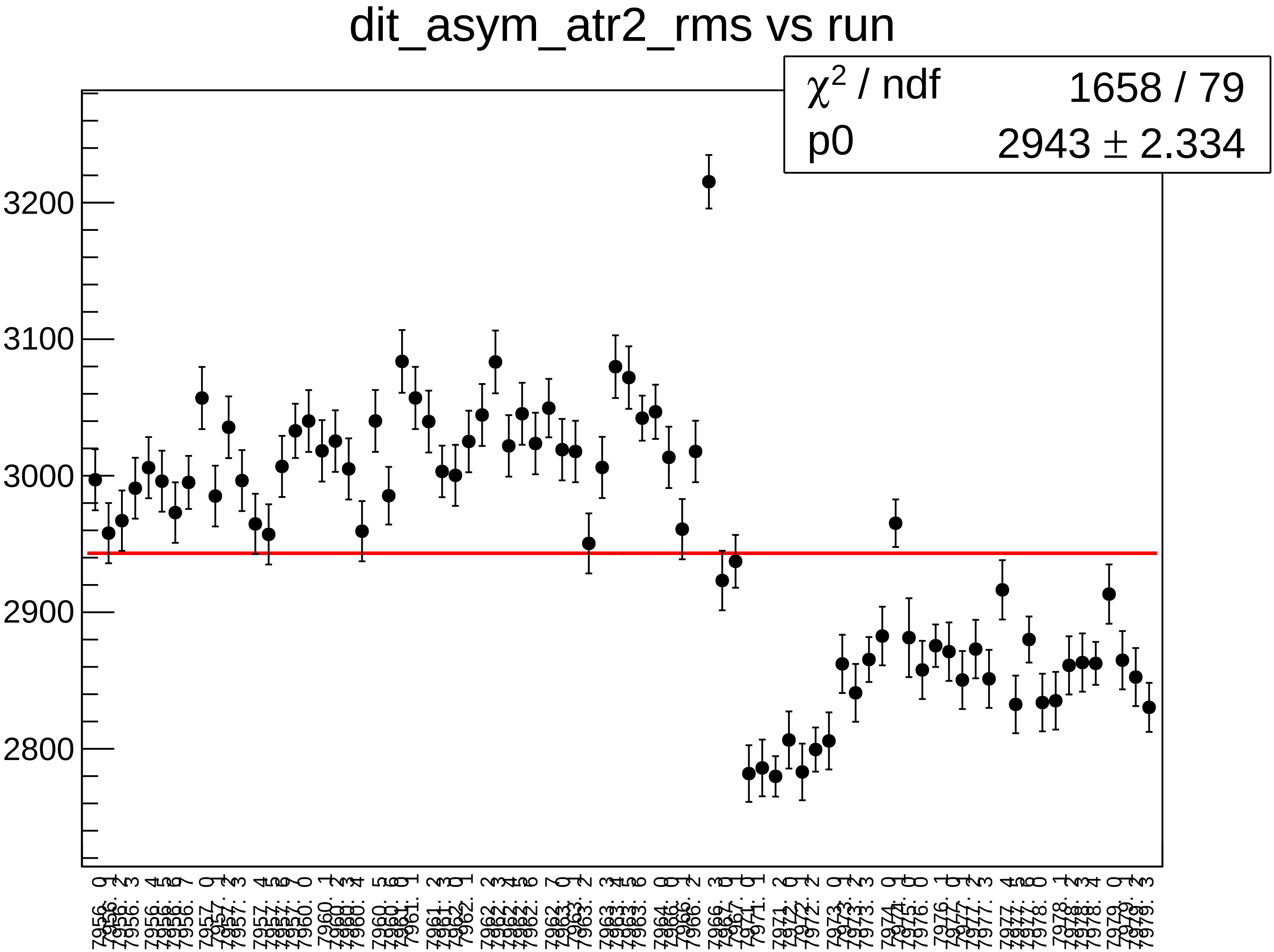


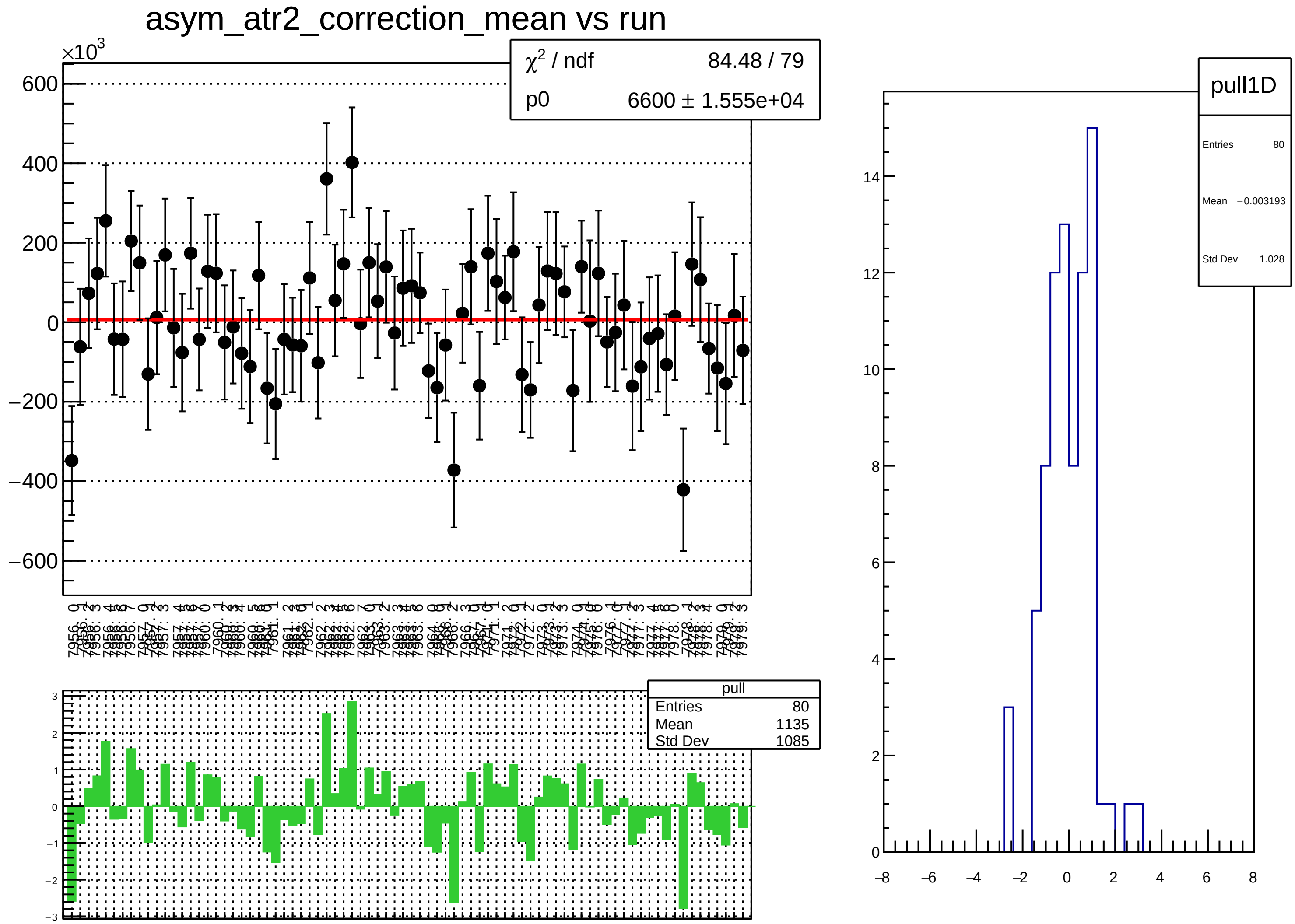
asym_atr1_rms vs run
χ^2 / ndf 3344 / 79
p0 3191 ± 2.532
3500
3400
3300
3200
3100
3000
2900


dit_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 96.12 / 79
p0 −5578 ± 3301
100
50
0
−50
−100

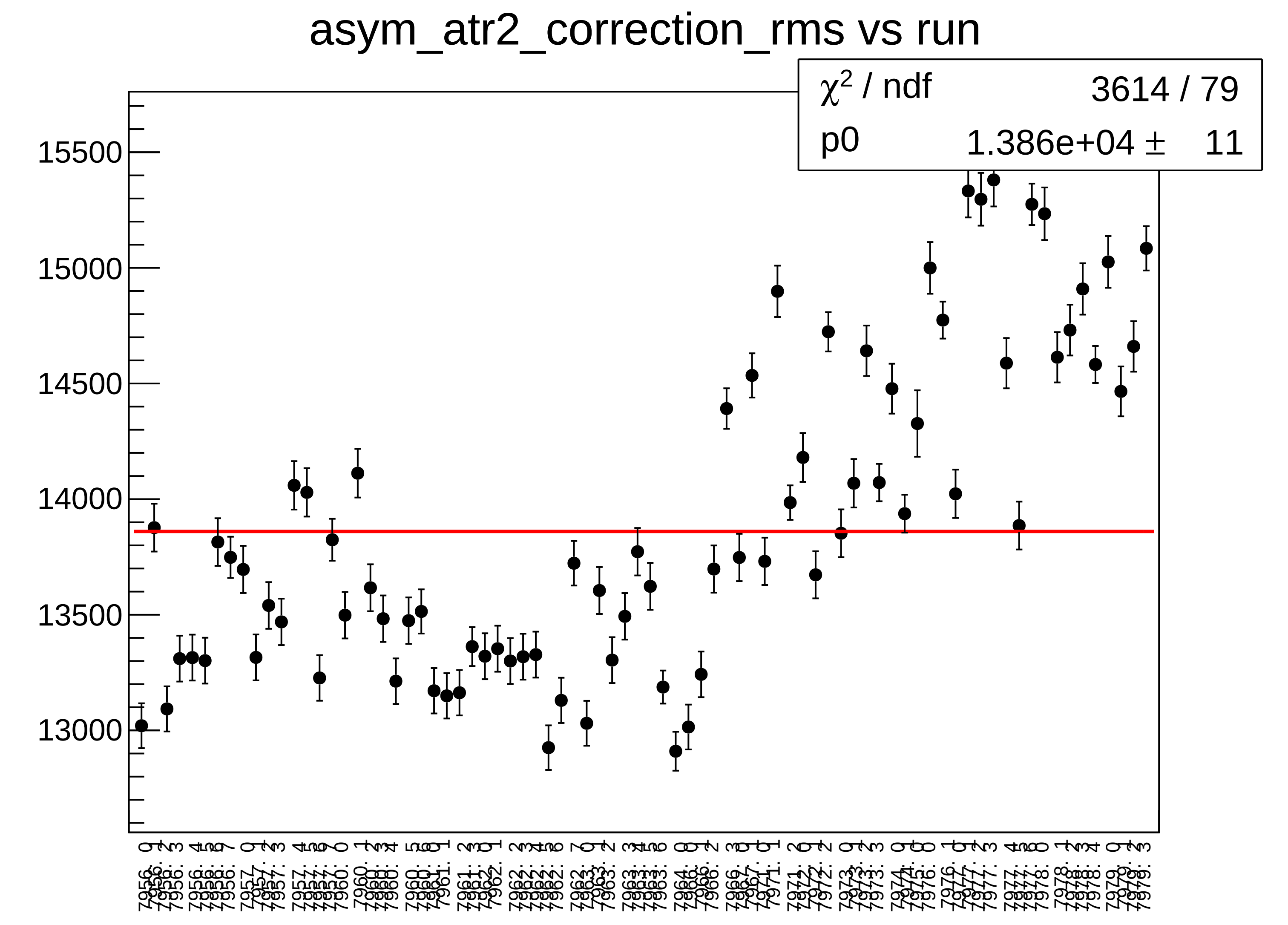

pull
Entries 80
Mean −141.9
Std Dev 199.4
2
1
0
−1
−2

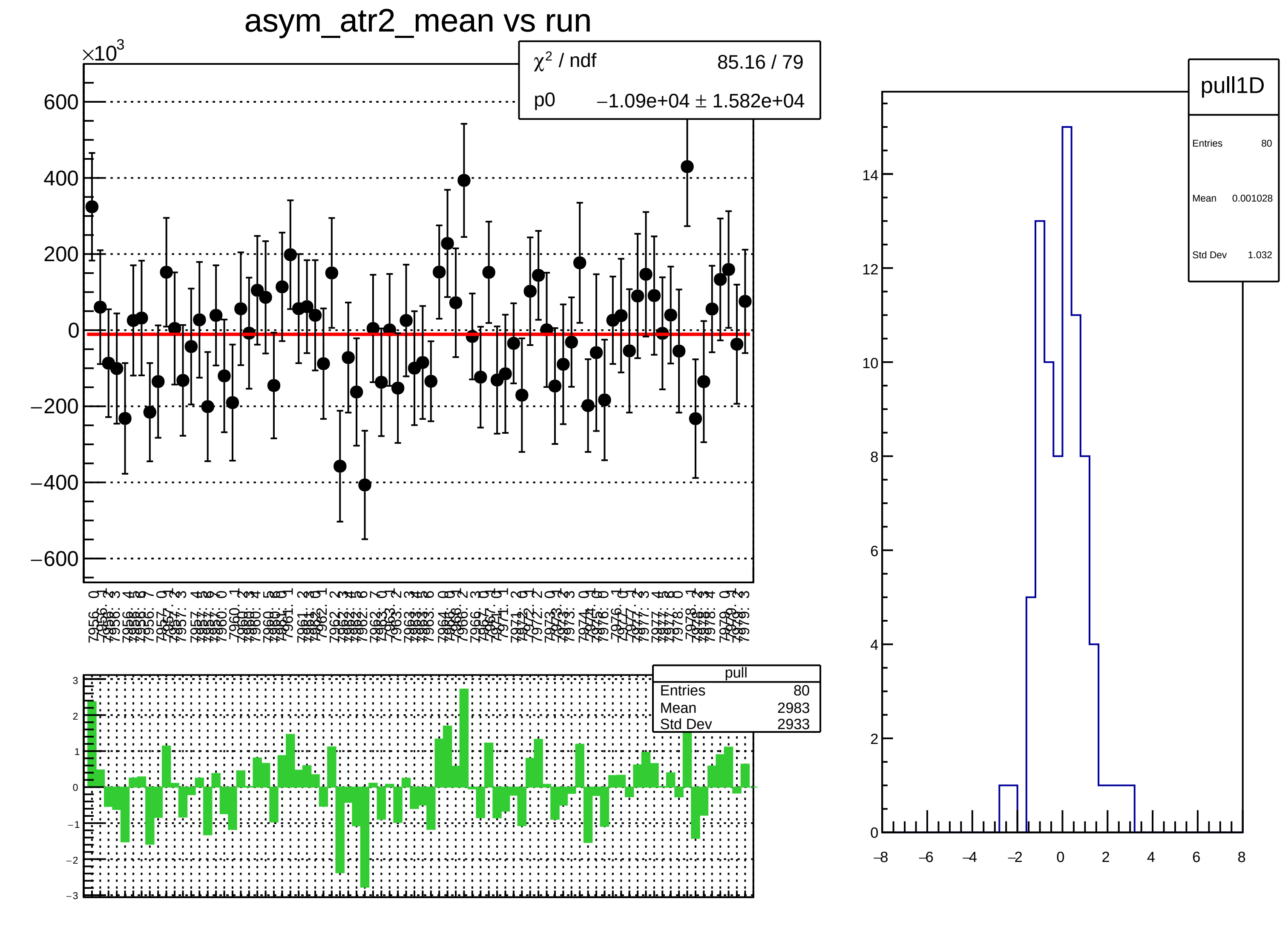

pull1D
Entries 80
Mean 0.01216
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ^2 / ndf 1658 / 79
p0 2943 ± 2.334
3200
3100
3000
2900
2800

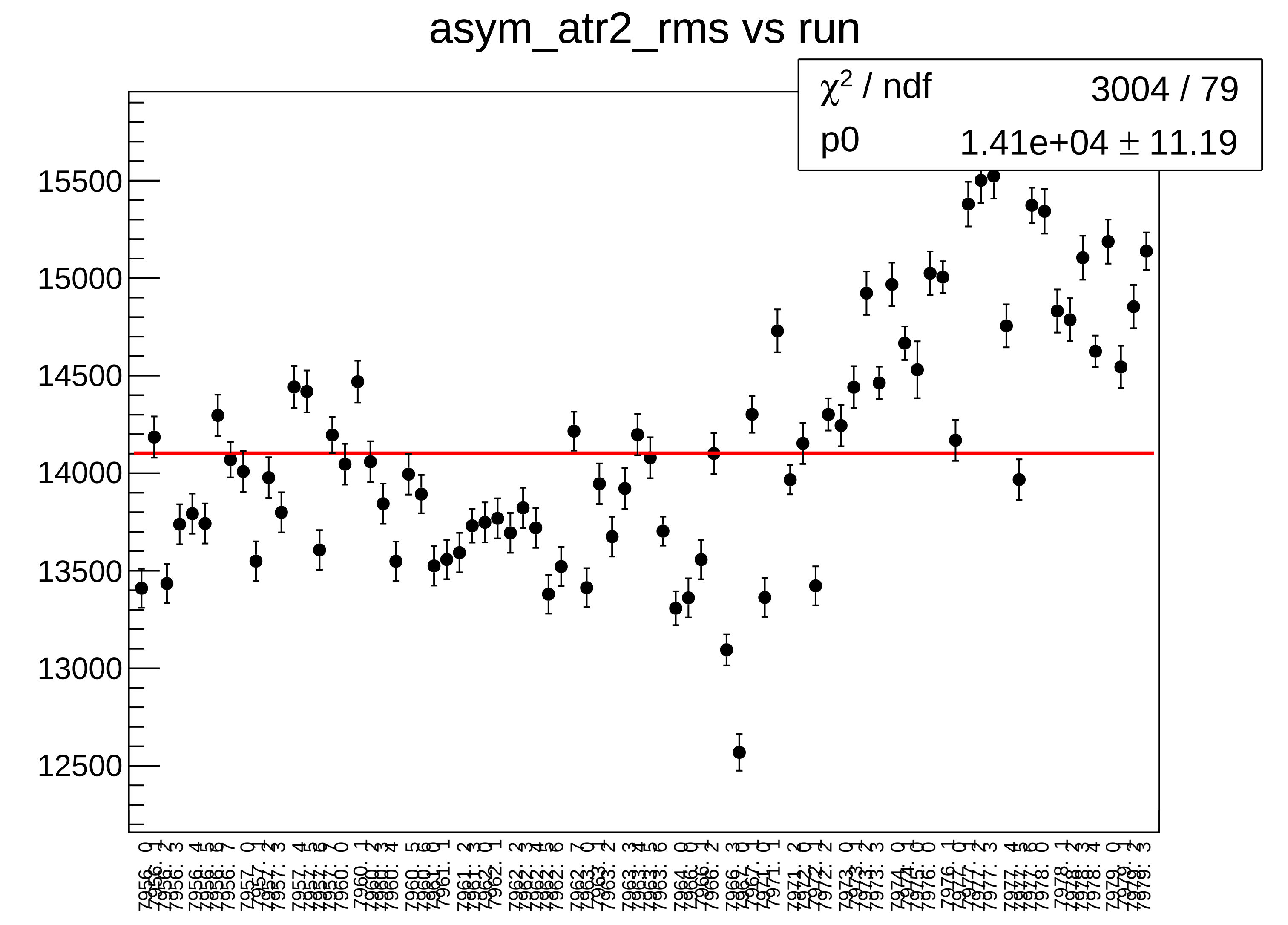


asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 84.48 / 79
p0 6600 ± 1.555e+04
600
400
200
0
−200
−400
−600
pull
Entries 80
Mean 1135
Std Dev 1085
pull1D
Entries 80
Mean −0.003193
Std Dev 1.028

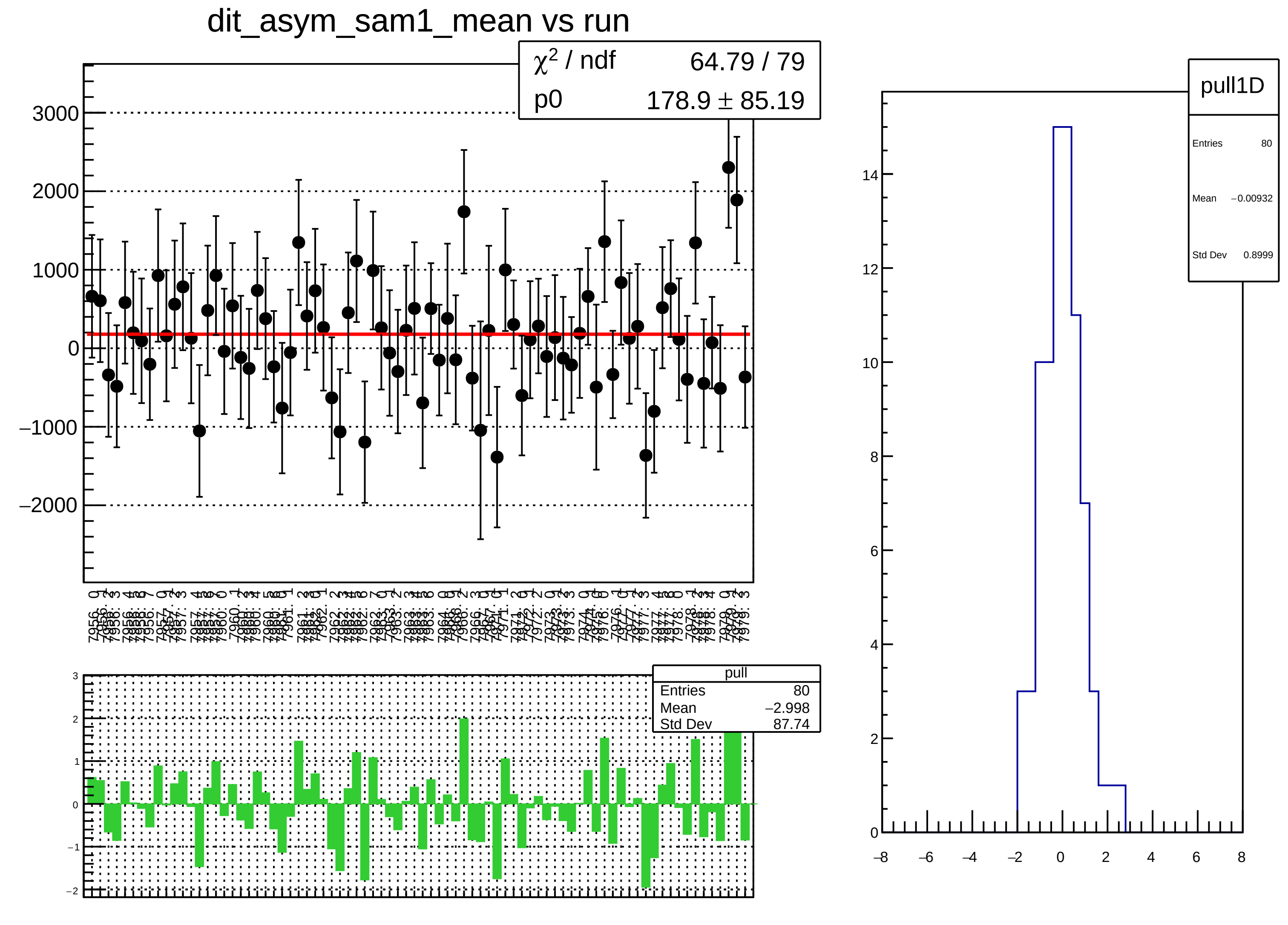

asym_atr2_correction_rms vs run
χ^2 / ndf 3614 / 79
p0 1.386e+04 ± 11
15500
15000
14500
14000
13500
13000



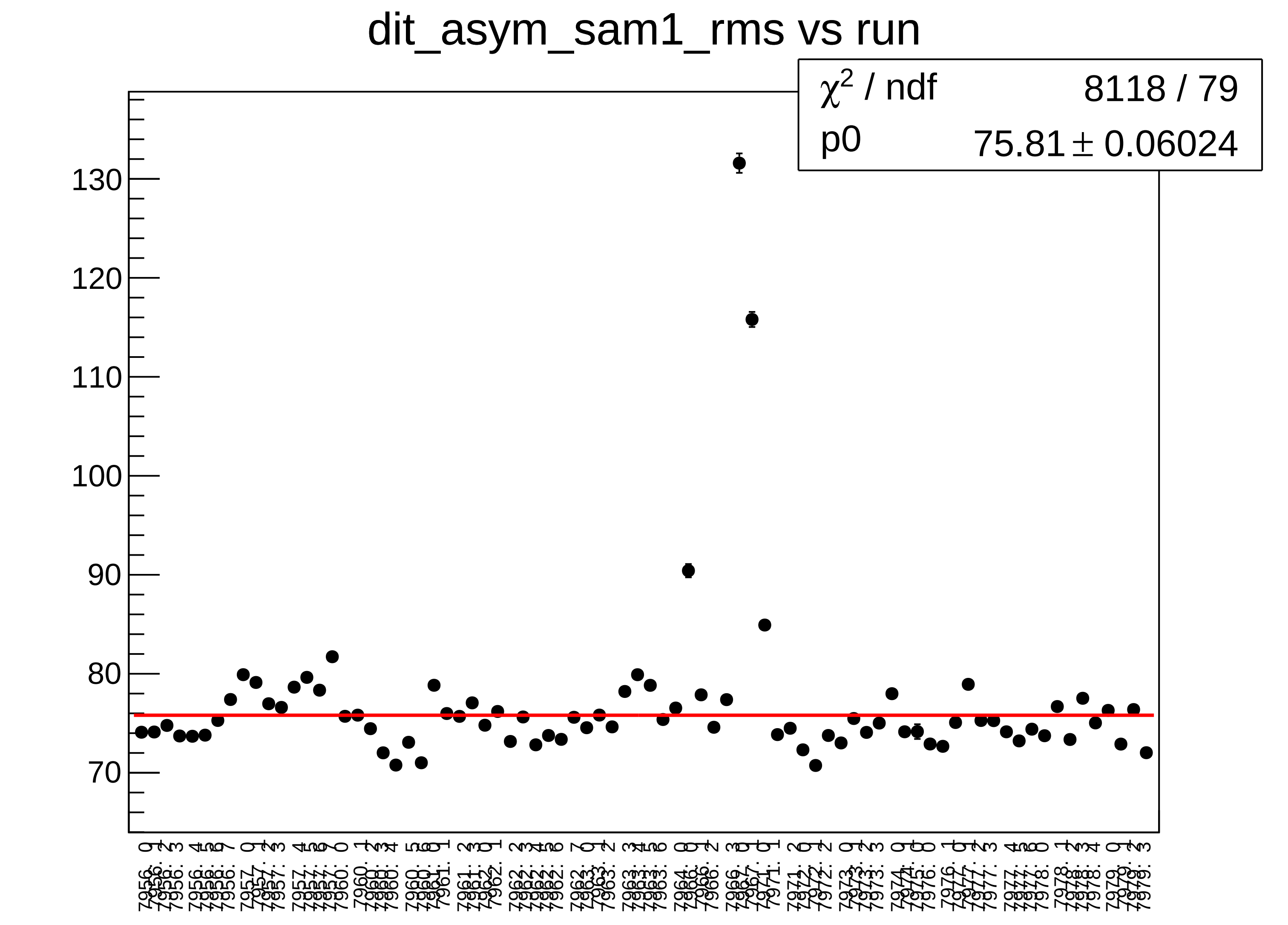
asym_atr2_mean vs run
χ2 / ndf 85.16 / 79
p0 −1.09e+04 ± 1.582e+04
pull
Entries 80
Mean 2983
Std Dev 2933
pull1D
Entries 80
Mean 0.001028
Std Dev 1.032



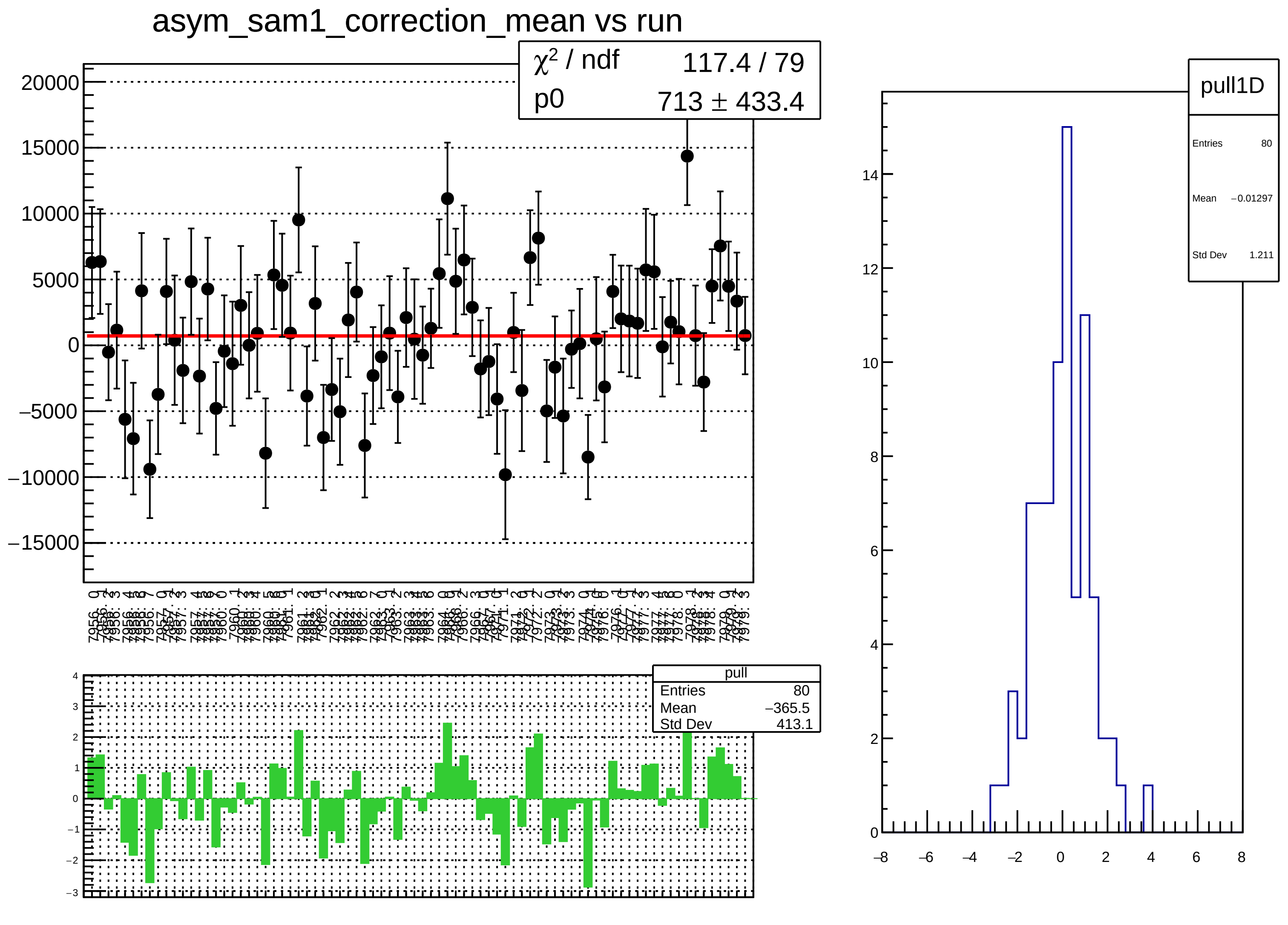
asym_atr2_rms vs run
χ^2 / ndf 3004 / 79
p0 1.41e+04 ± 11.19
15500
15000
14500
14000
13500
13000
12500



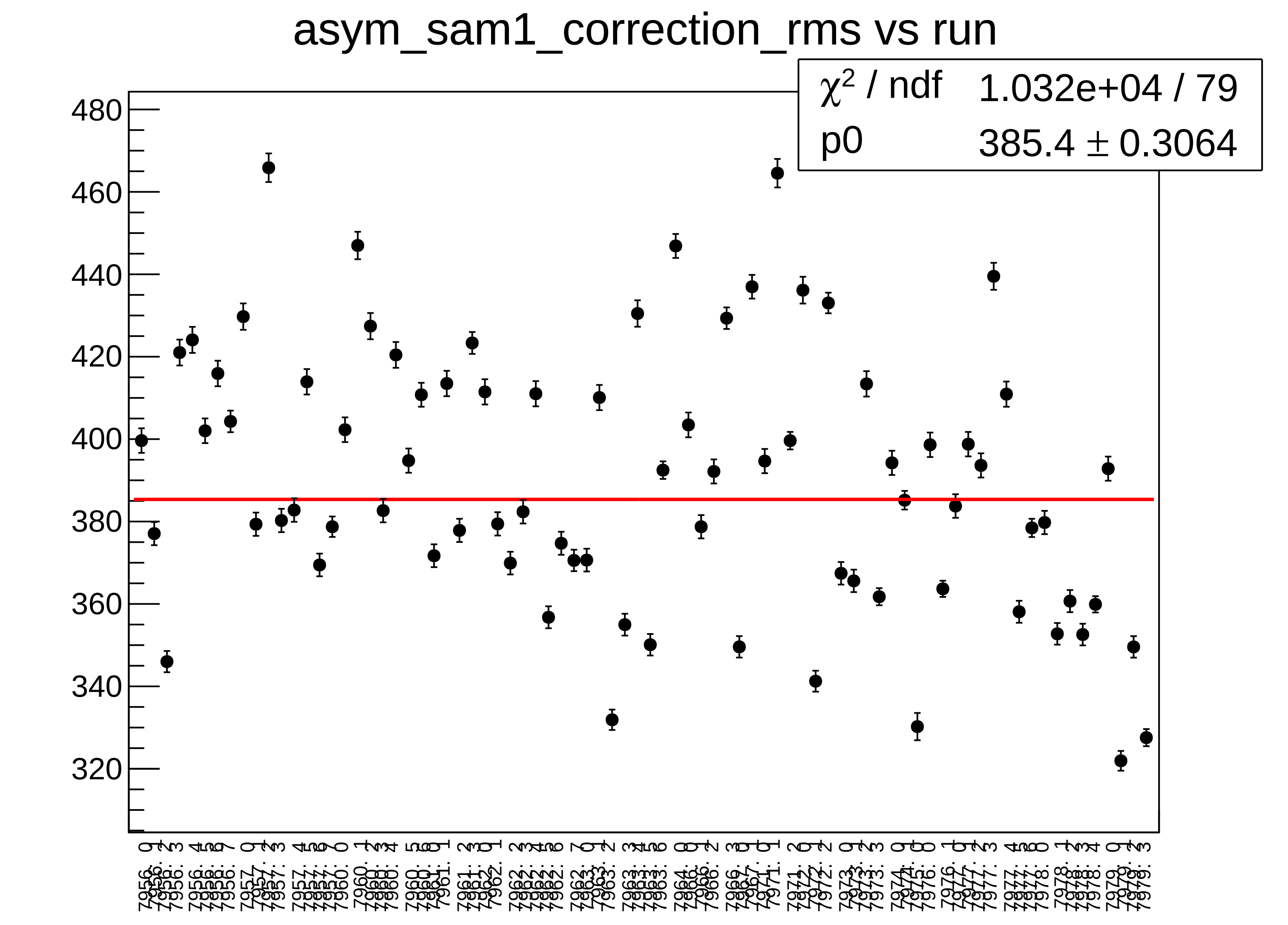
dit_asym_sam1_mean vs run
χ^2 / ndf 64.79 / 79
p0 178.9 ± 85.19
pull
Entries 80
Mean −2.998
Std Dev 87.74
pull1D
Entries 80
Mean −0.00932
Std Dev 0.8999



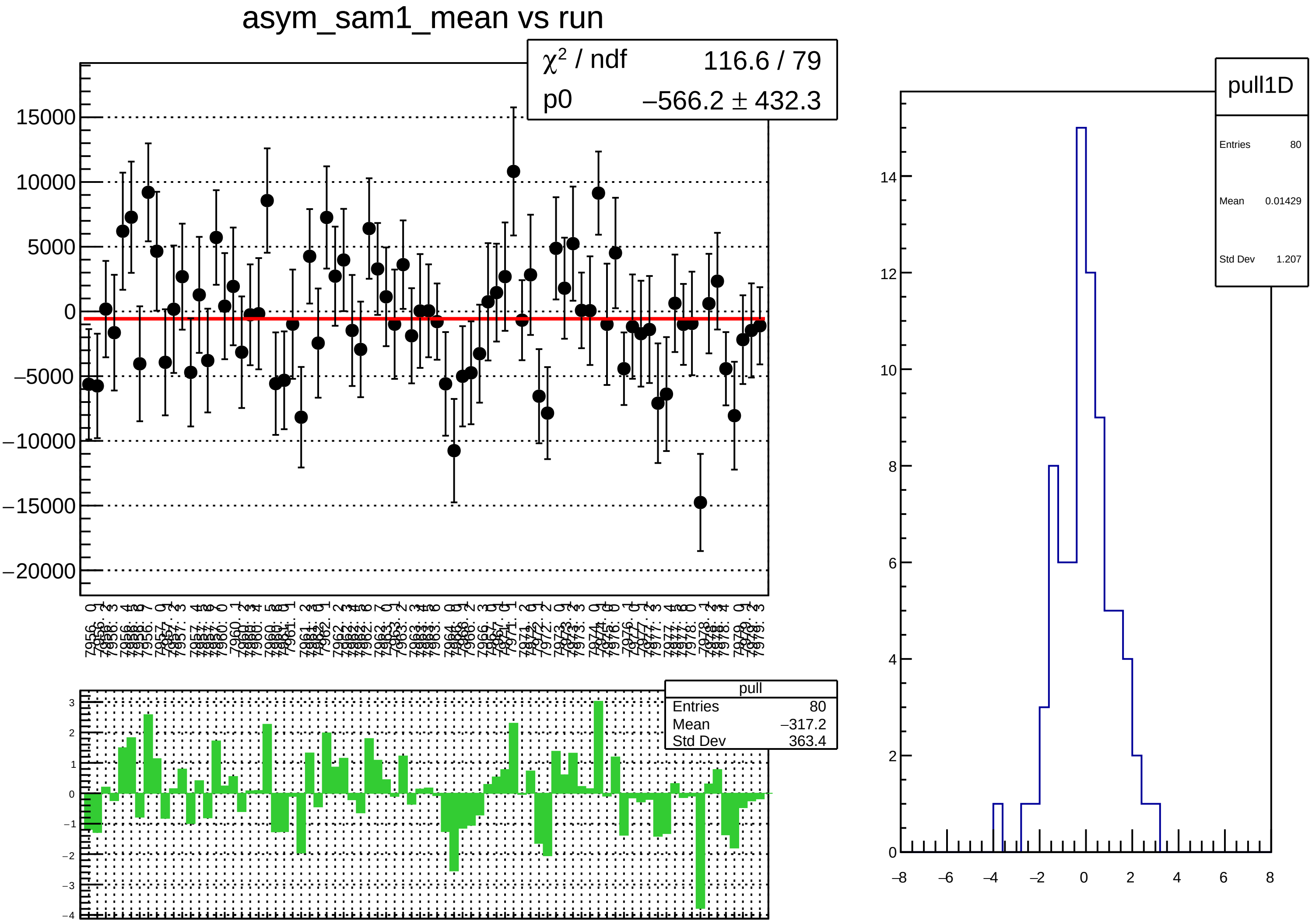
dit_asym_sam1_rms vs run
χ^2 / ndf 8118 / 79
p0 75.81 ± 0.06024
130
120
110
100
90
80
70

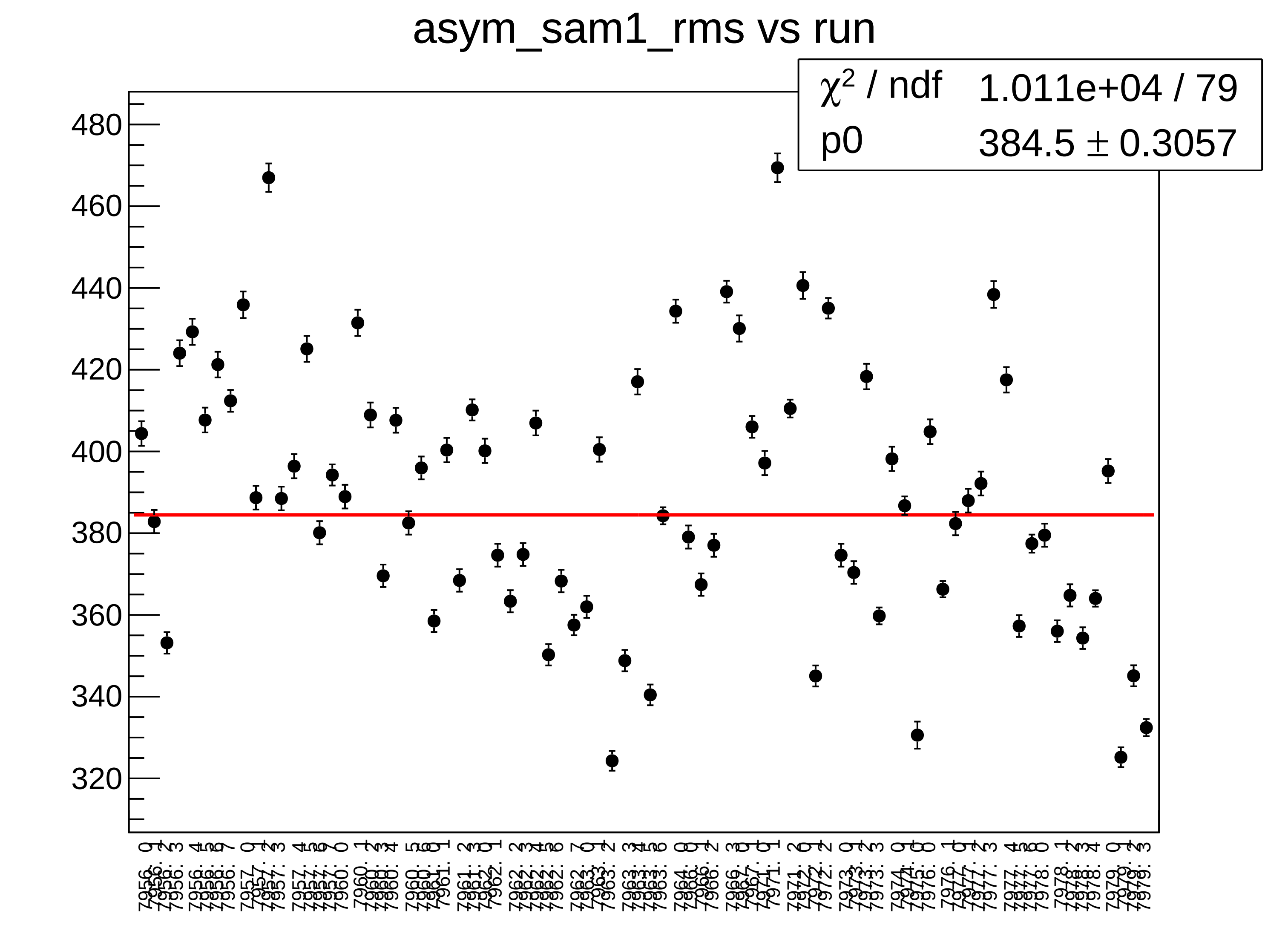


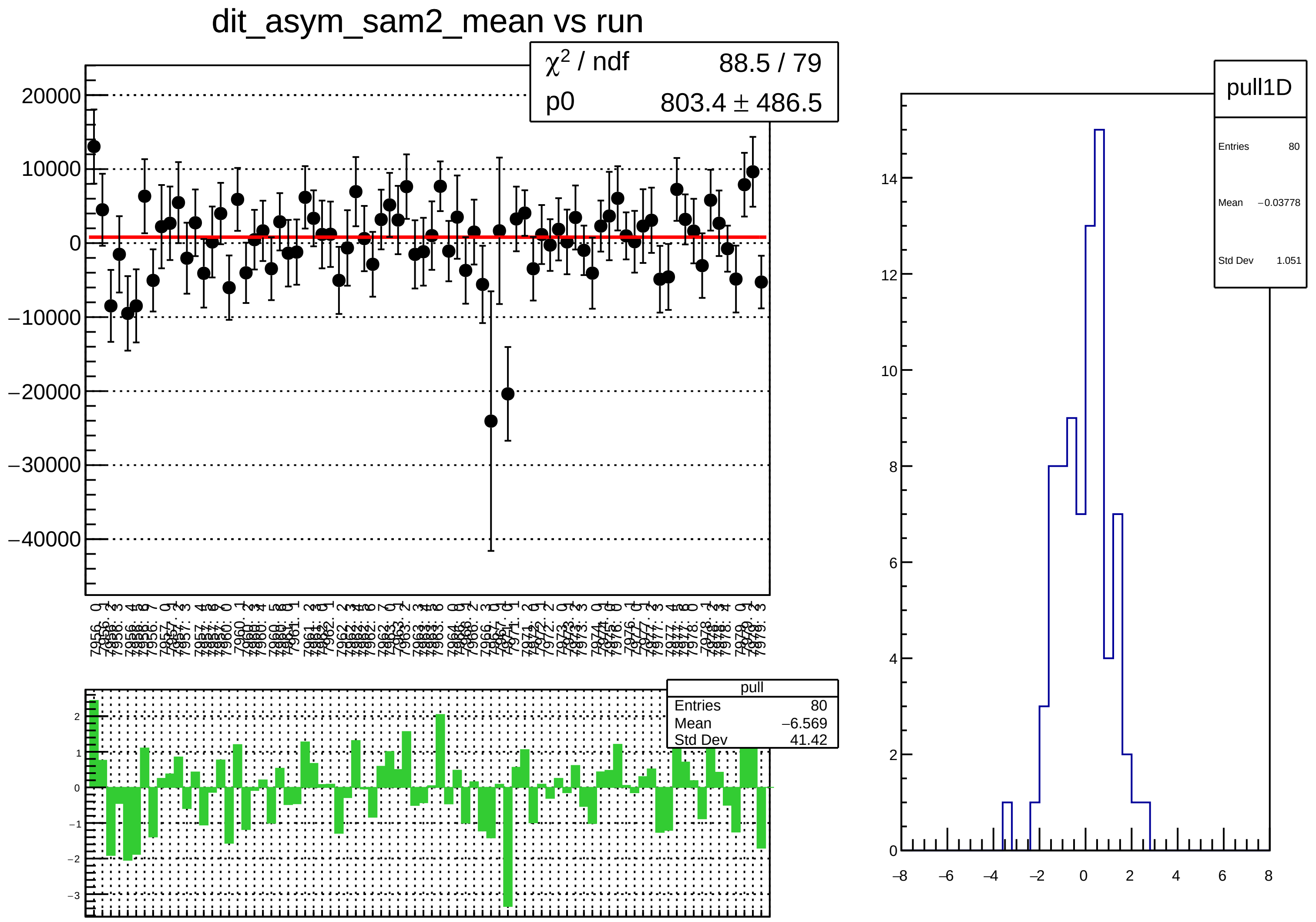
asym_sam1_correction_mean vs run
χ^2 / ndf 117.4 / 79
p0 713 ± 433.4
pull
Entries 80
Mean −365.5
Std Dev 413.1
pull1D
Entries 80
Mean −0.01297
Std Dev 1.211

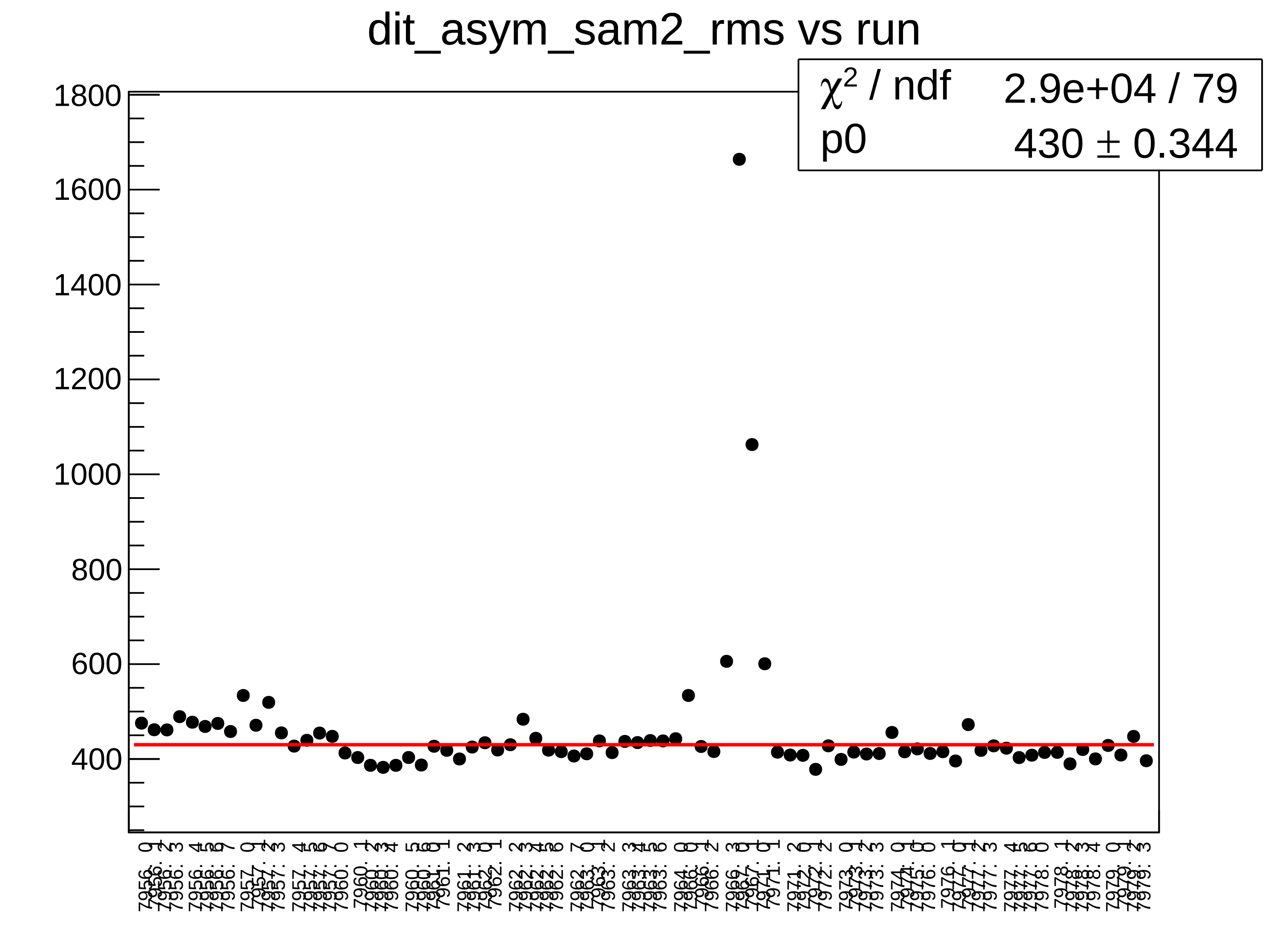


asym_sam1_correction_rms vs run
χ^2 / ndf 1.032e+04 / 79
p0 385.4 ± 0.3064
480
460
440
420
400
380
360
340
320

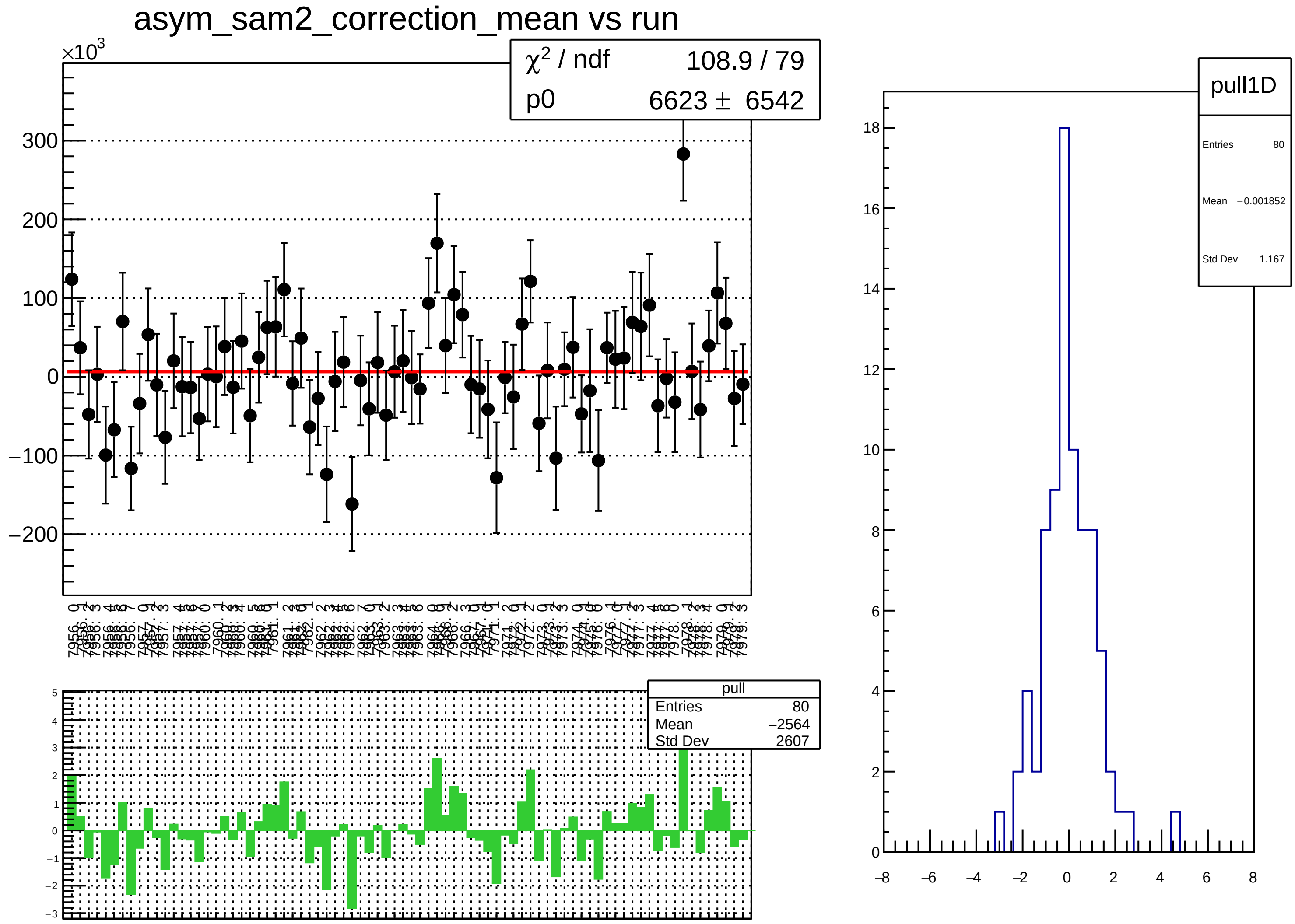

asym_sam1_mean vs run
χ^2 / ndf 116.6 / 79
p0 −566.2 ± 432.3
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −317.2
Std Dev 363.4
pull1D
Entries 80
Mean 0.01429
Std Dev 1.207


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

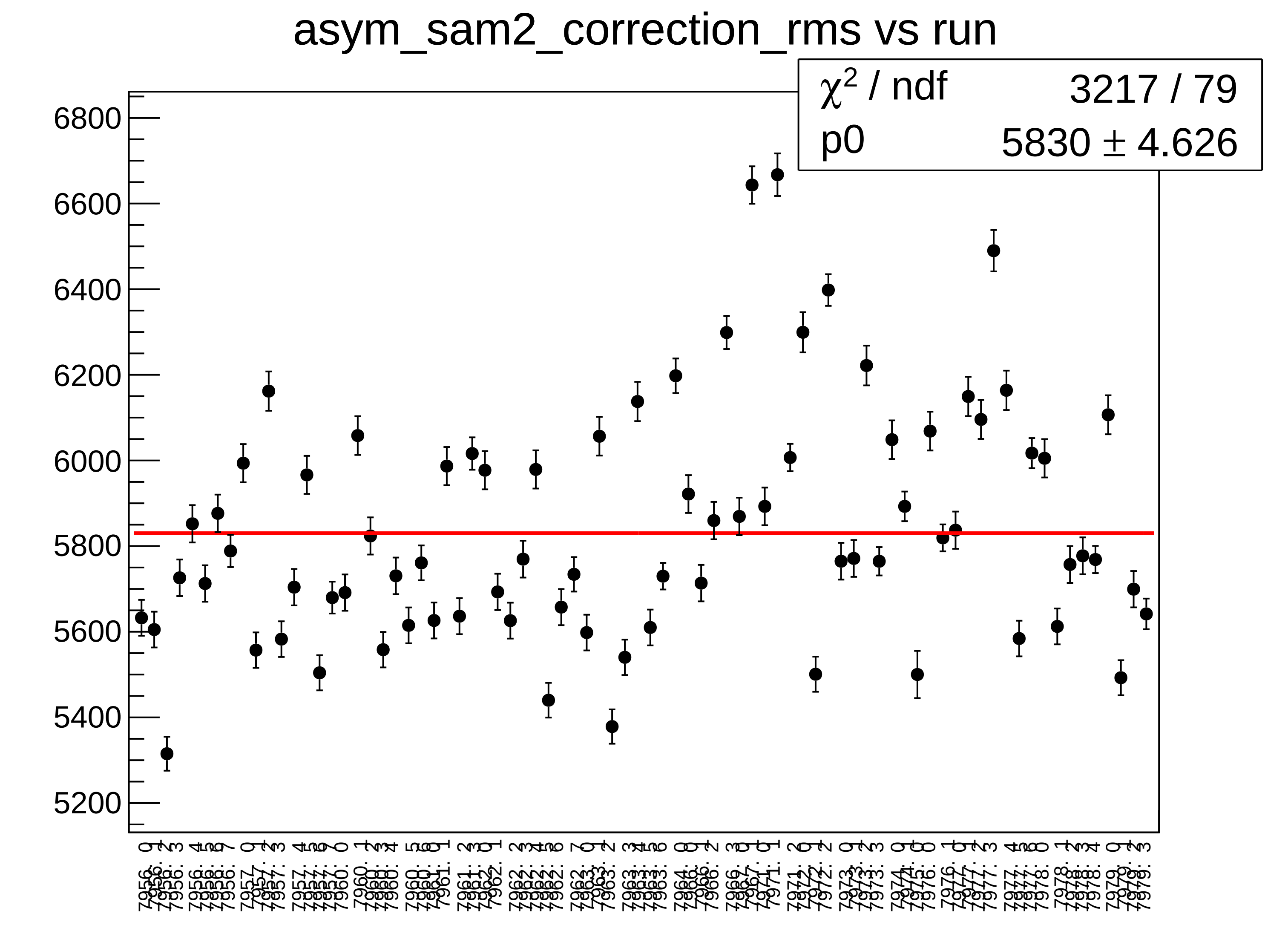

dit_asym_sam2_mean vs run
χ^2 / ndf 88.5 / 79
p0 803.4 ± 486.5
pull
Entries 80
Mean −6.569
Std Dev 41.42
pull1D
Entries 80
Mean −0.03778
Std Dev 1.051



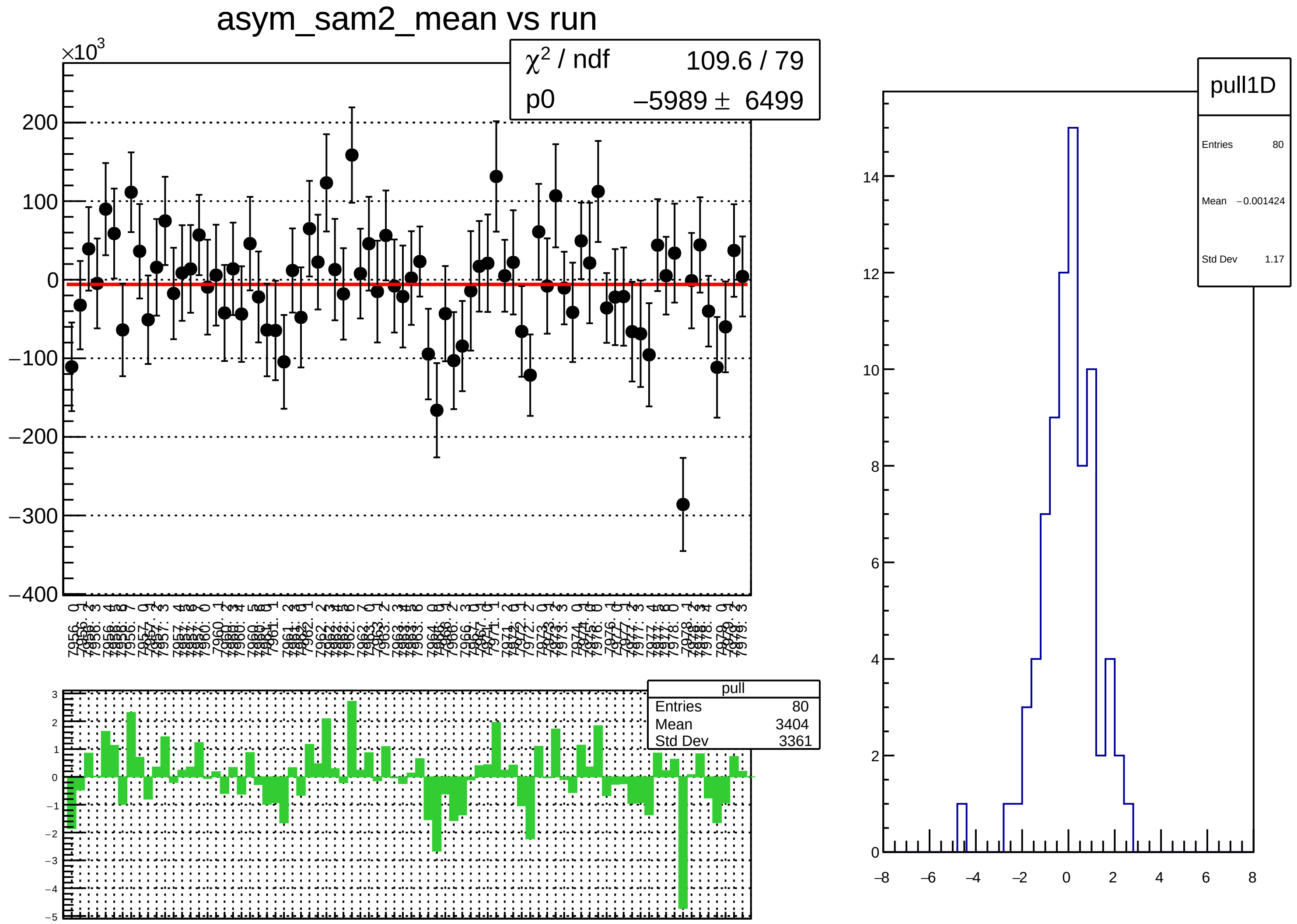
dit_asym_sam2_rms vs run
χ2 / ndf 2.9e+04 / 79
p0 430 ± 0.344
1800
1600
1400
1200
1000
800
600
400



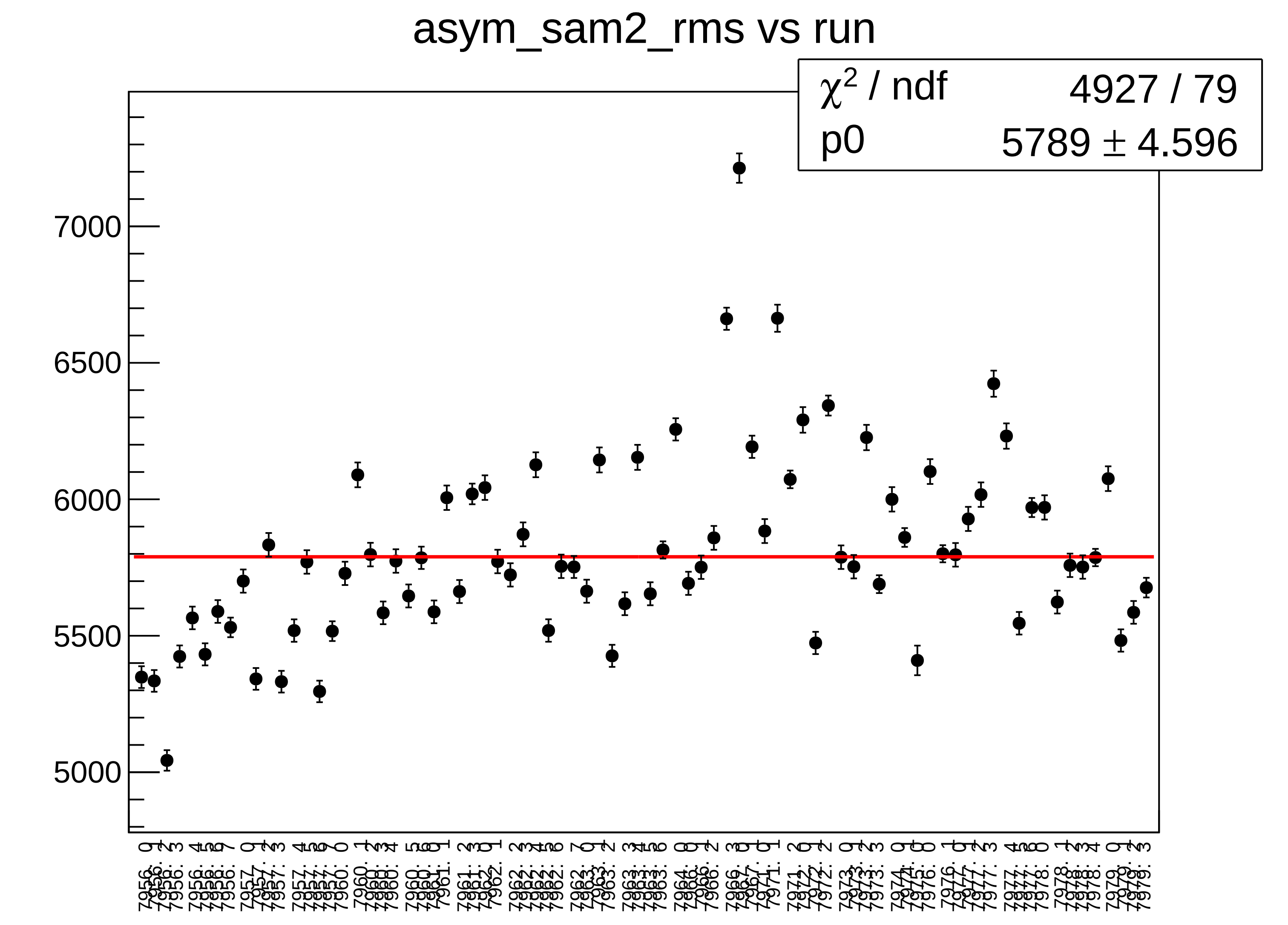
asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 108.9 / 79
p0 6623 ± 6542
300
200
100
0
−100
−200
pull
Entries 80
Mean −2564
Std Dev 2607
pull1D
Entries 80
Mean −0.001852
Std Dev 1.167

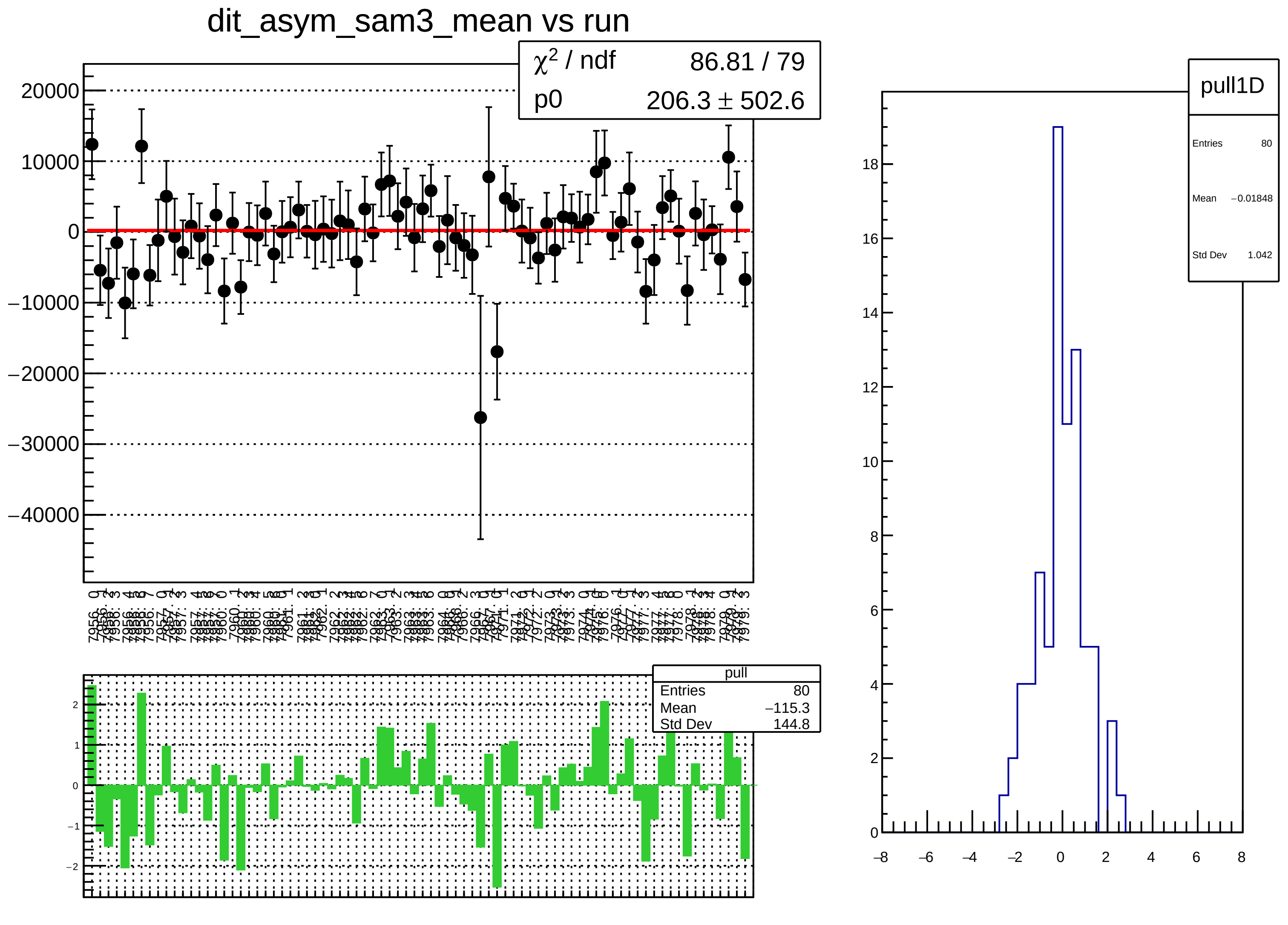


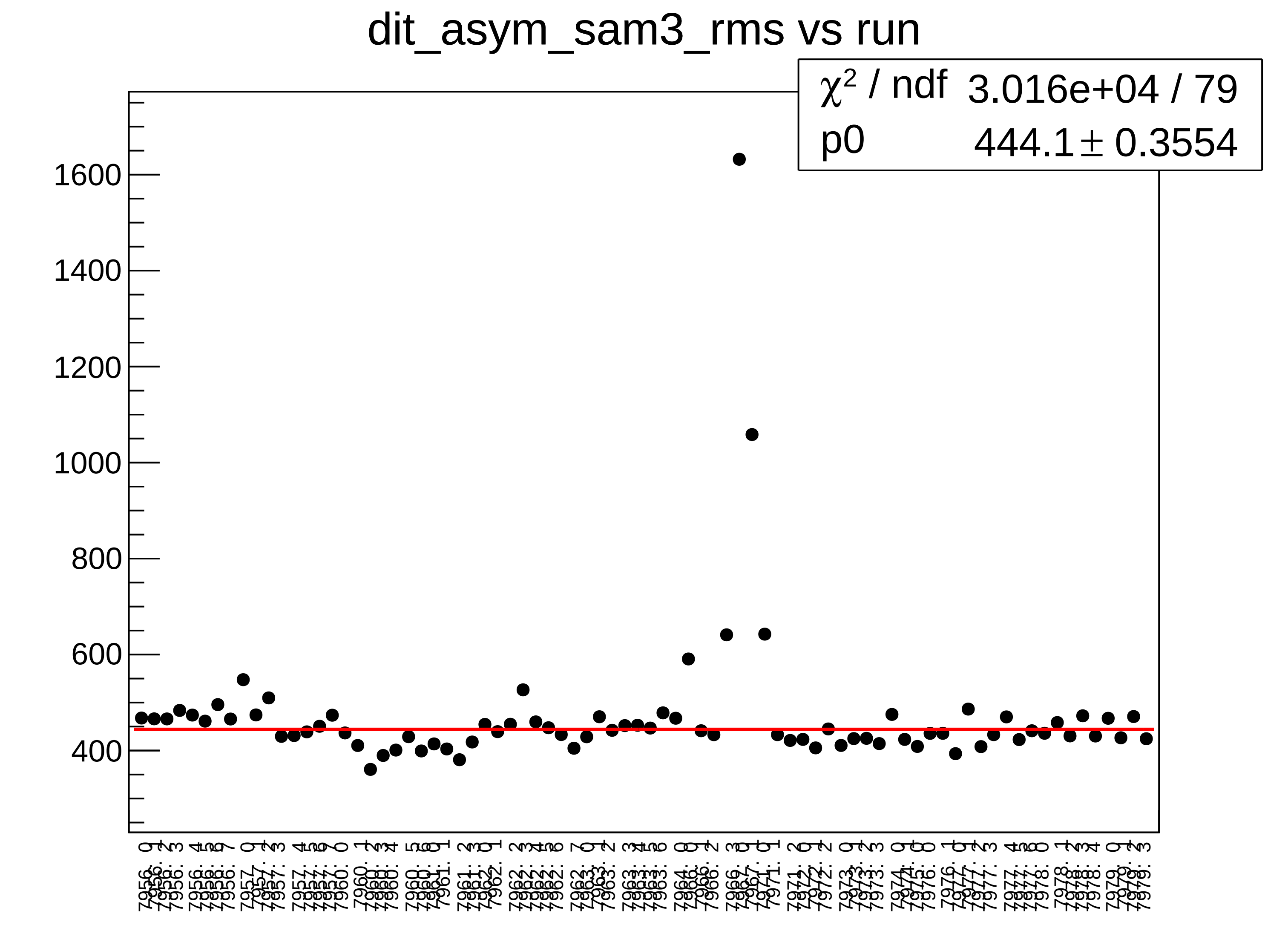
asym_sam2_correction_rms vs run
χ2 / ndf 3217 / 79
p0 5830 ± 4.626
6800
6600
6400
6200
6000
5800
5600
5400
5200



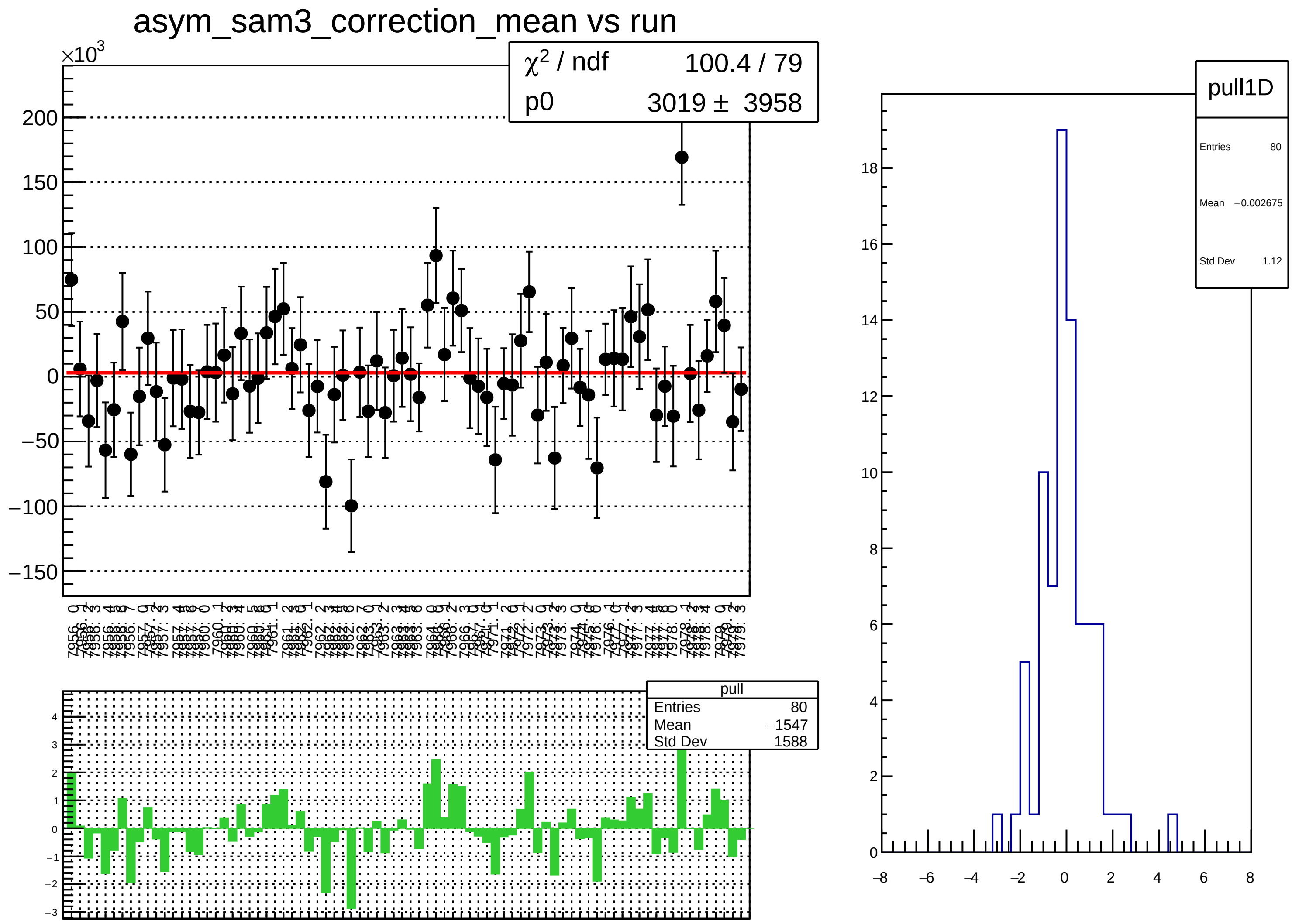
asym_sam2_mean vs run
χ2 / ndf 109.6 / 79
p0 −5989 ± 6499
×10^3
pull
Entries 80
Mean 3404
Std Dev 3361
pull1D
Entries 80
Mean −0.001424
Std Dev 1.17

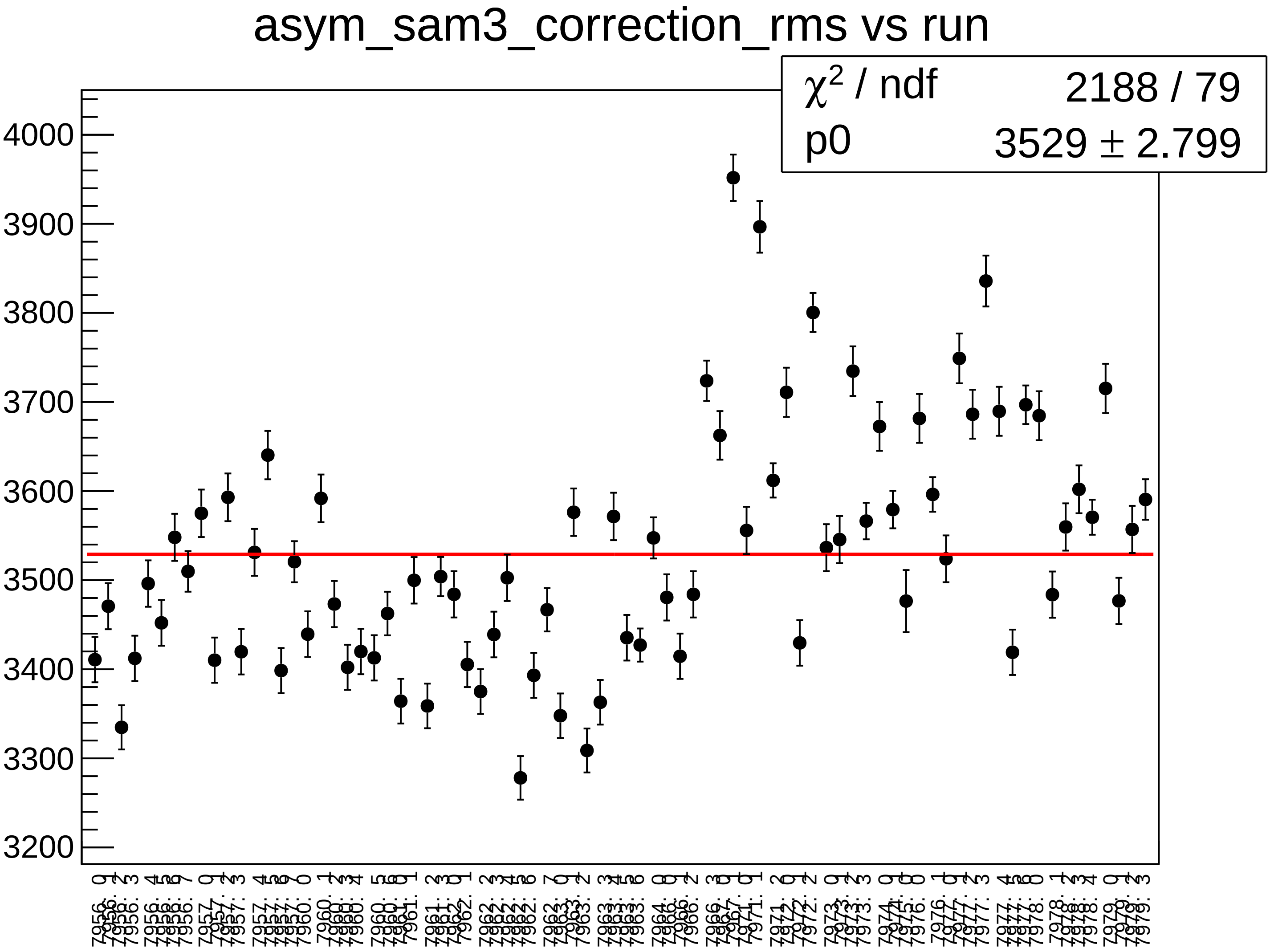

asym_sam2_rms vs run
χ^2 / ndf 4927 / 79
p0 5789 ± 4.596
7000
6500
6000
5500
5000


dit_asym_sam3_mean vs run
χ2 / ndf 86.81 / 79
p0 206.3 ± 502.6
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −115.3
Std Dev 144.8
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.01848
Std Dev 1.042
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

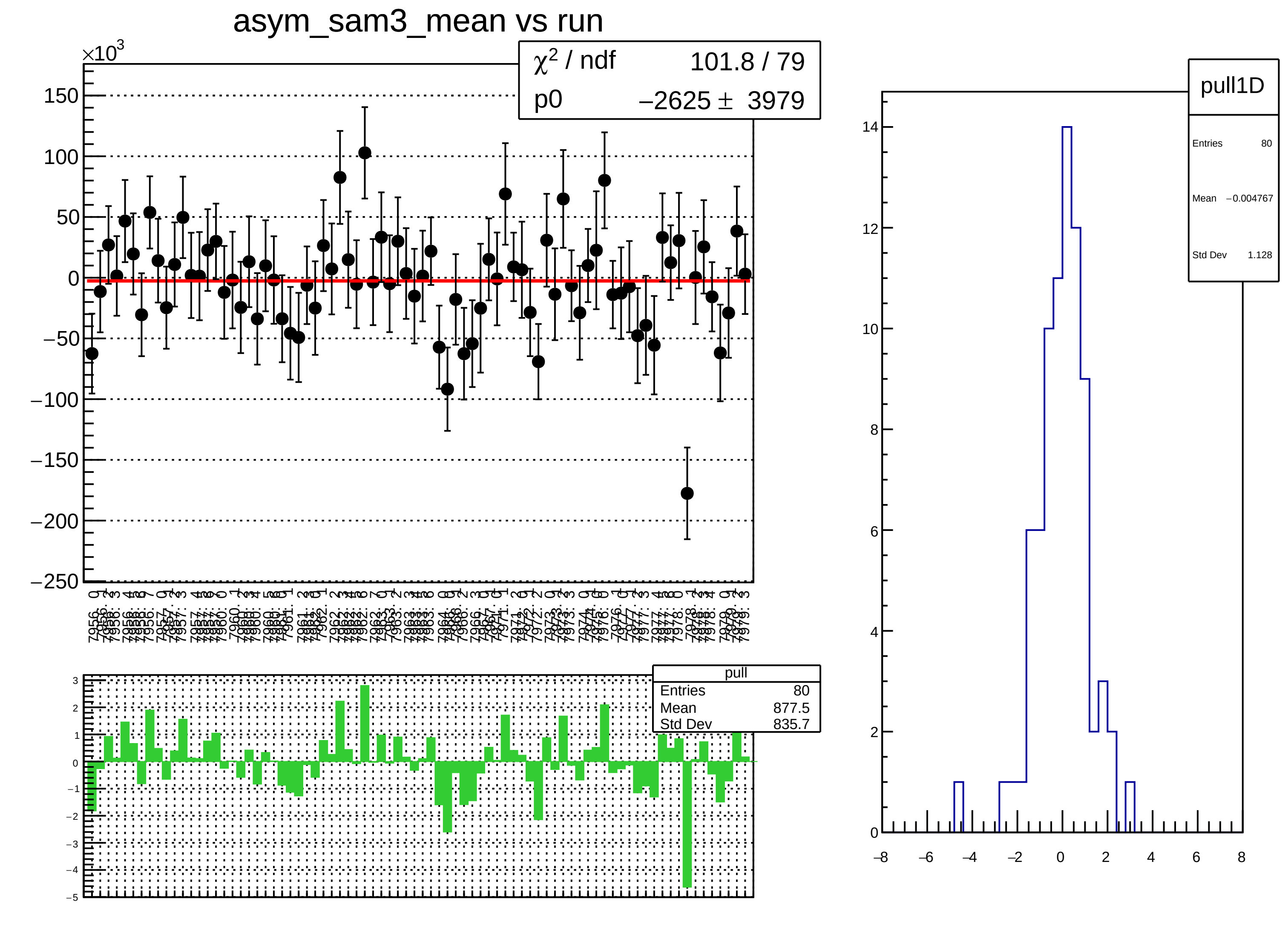


dit_asym_sam3_rms vs run
χ^2 / ndf 3.016e+04 / 79
p0 444.1 ± 0.3554
1600
1400
1200
1000
800
600
400

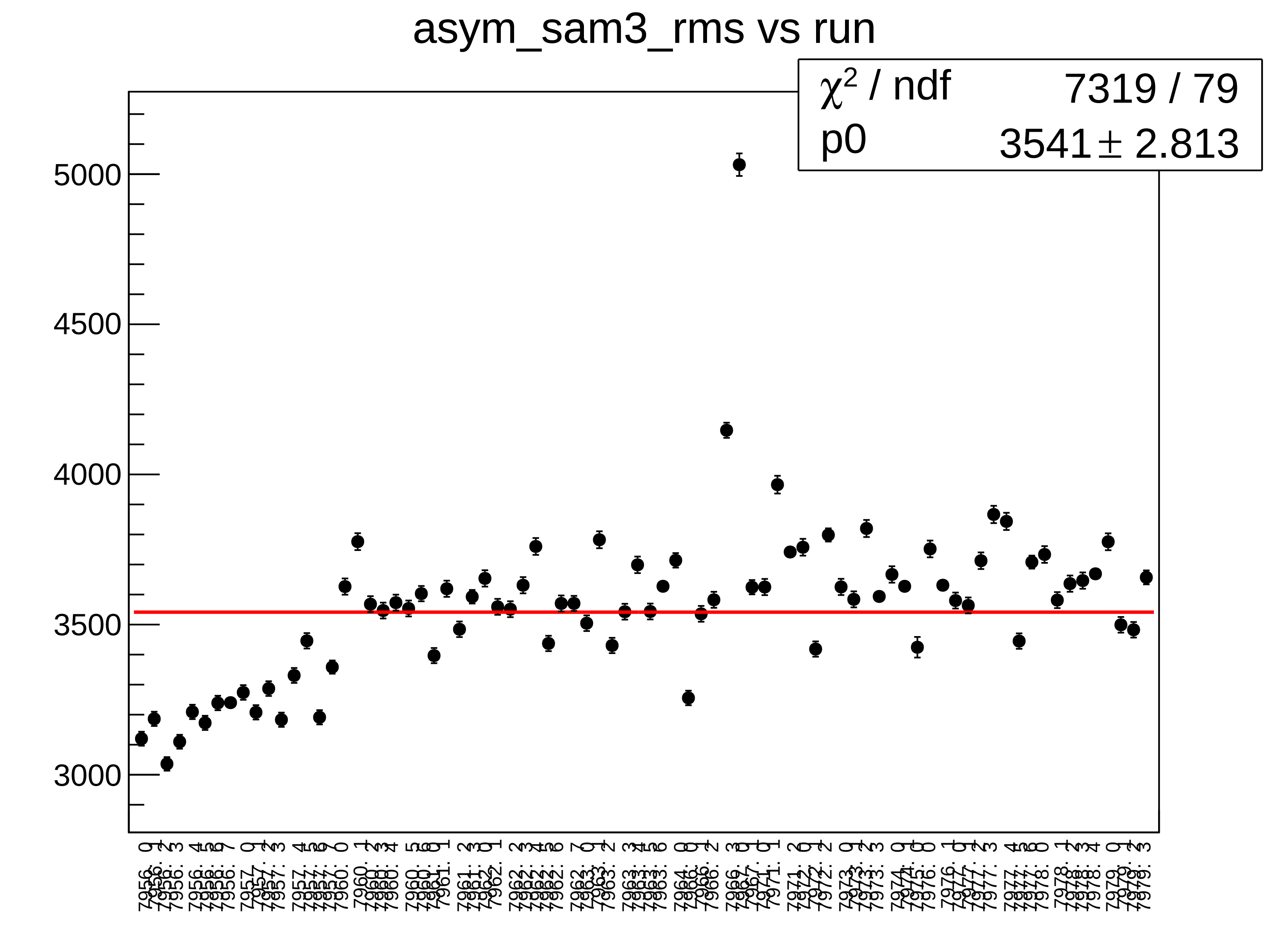

asym_sam3_correction_mean vs run
×10^3
χ2 / ndf 100.4 / 79
p0 3019 ± 3958
pull
Entries 80
Mean −1547
Std Dev 1588
pull1D
Entries 80
Mean −0.002675
Std Dev 1.12



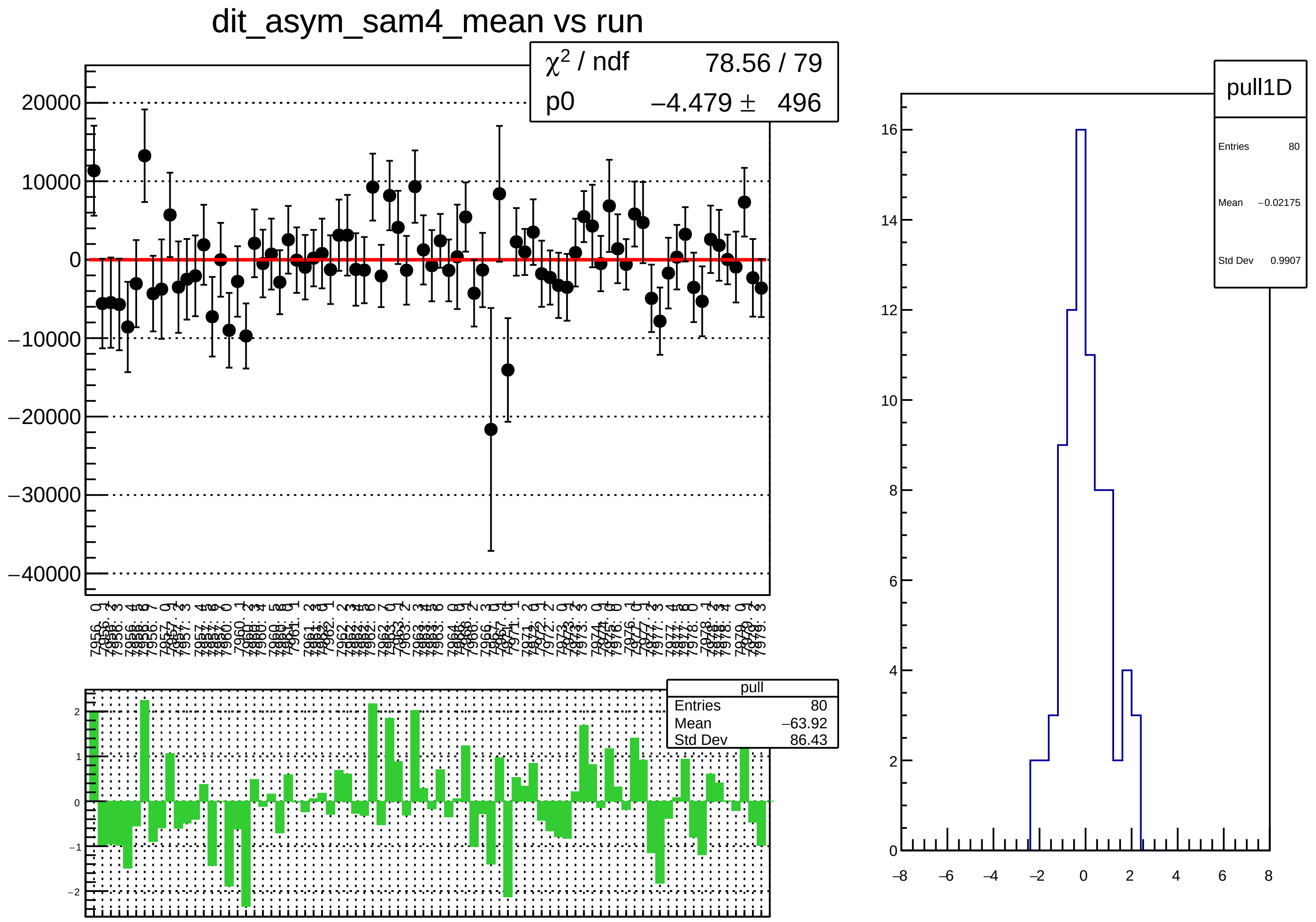
asym_sam3_correction_rms vs run
χ^2 / ndf 2188 / 79
p0 3529 ± 2.799
4000
3900
3800
3700
3600
3500
3400
3300
3200



asym_sam3_mean vs run
×10^3
χ2 / 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

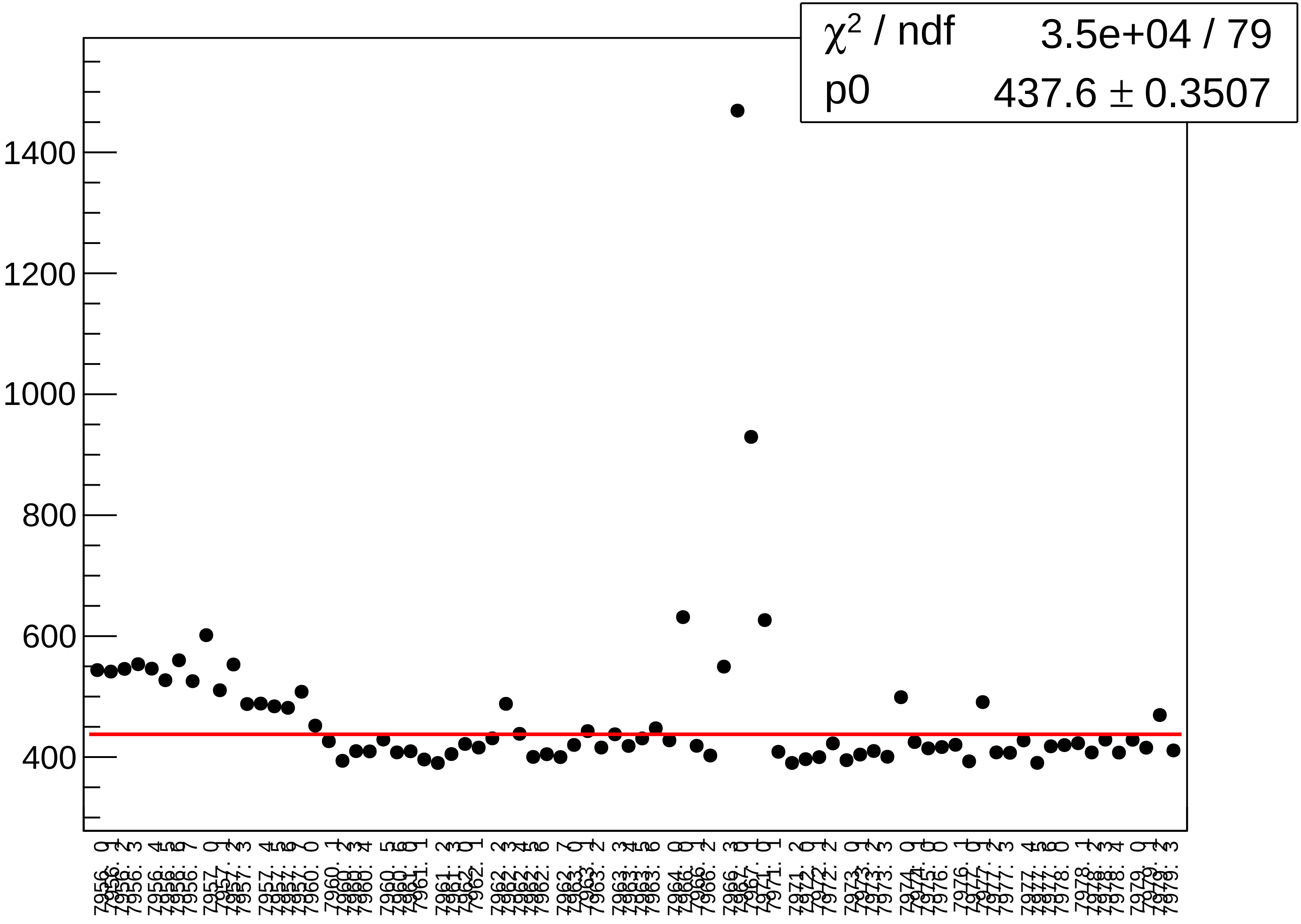


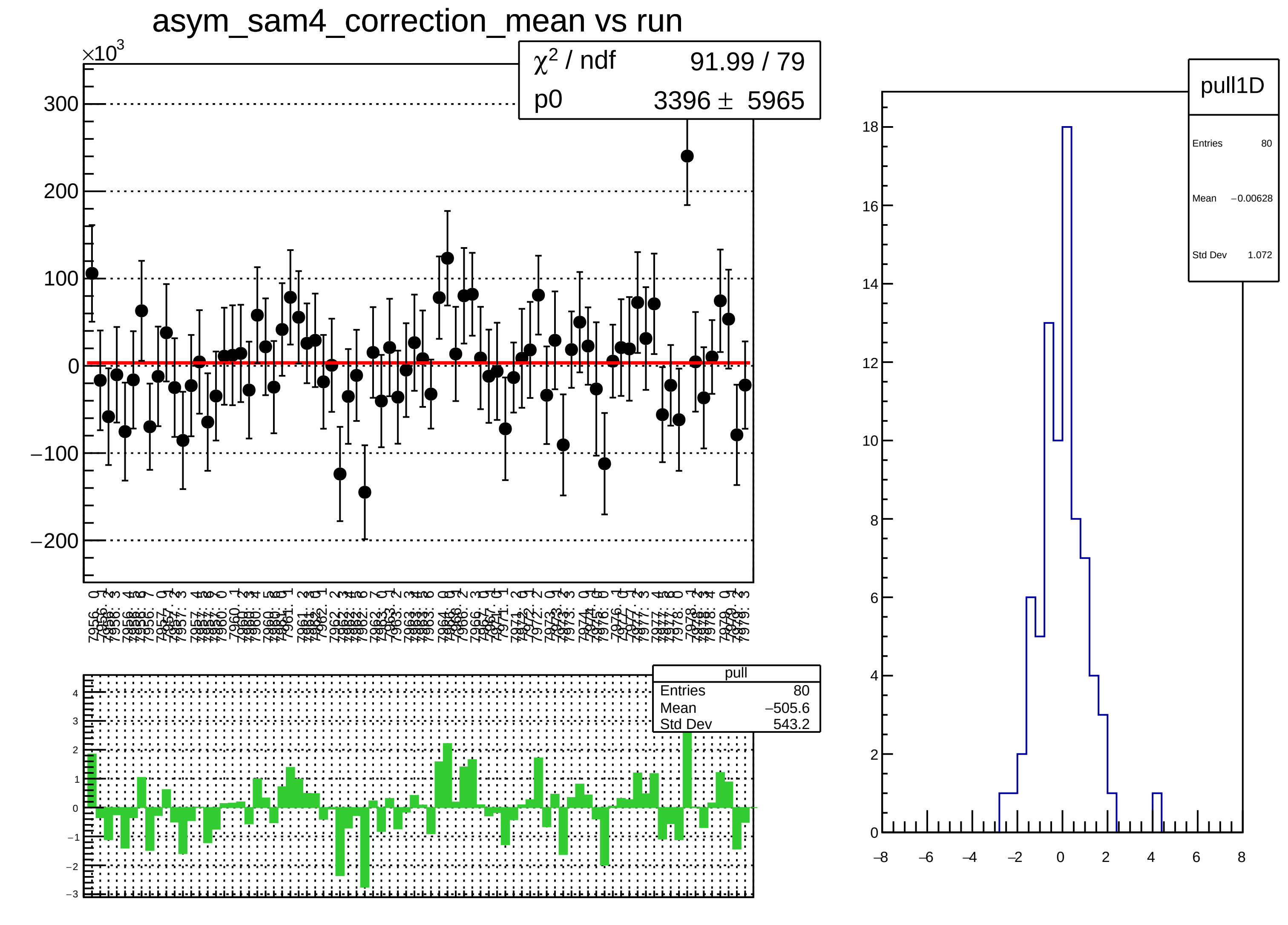
asym_sam3_rms vs run
χ2 / ndf 7319 / 79
p0 3541 ± 2.813
5000
4500
4000
3500
3000

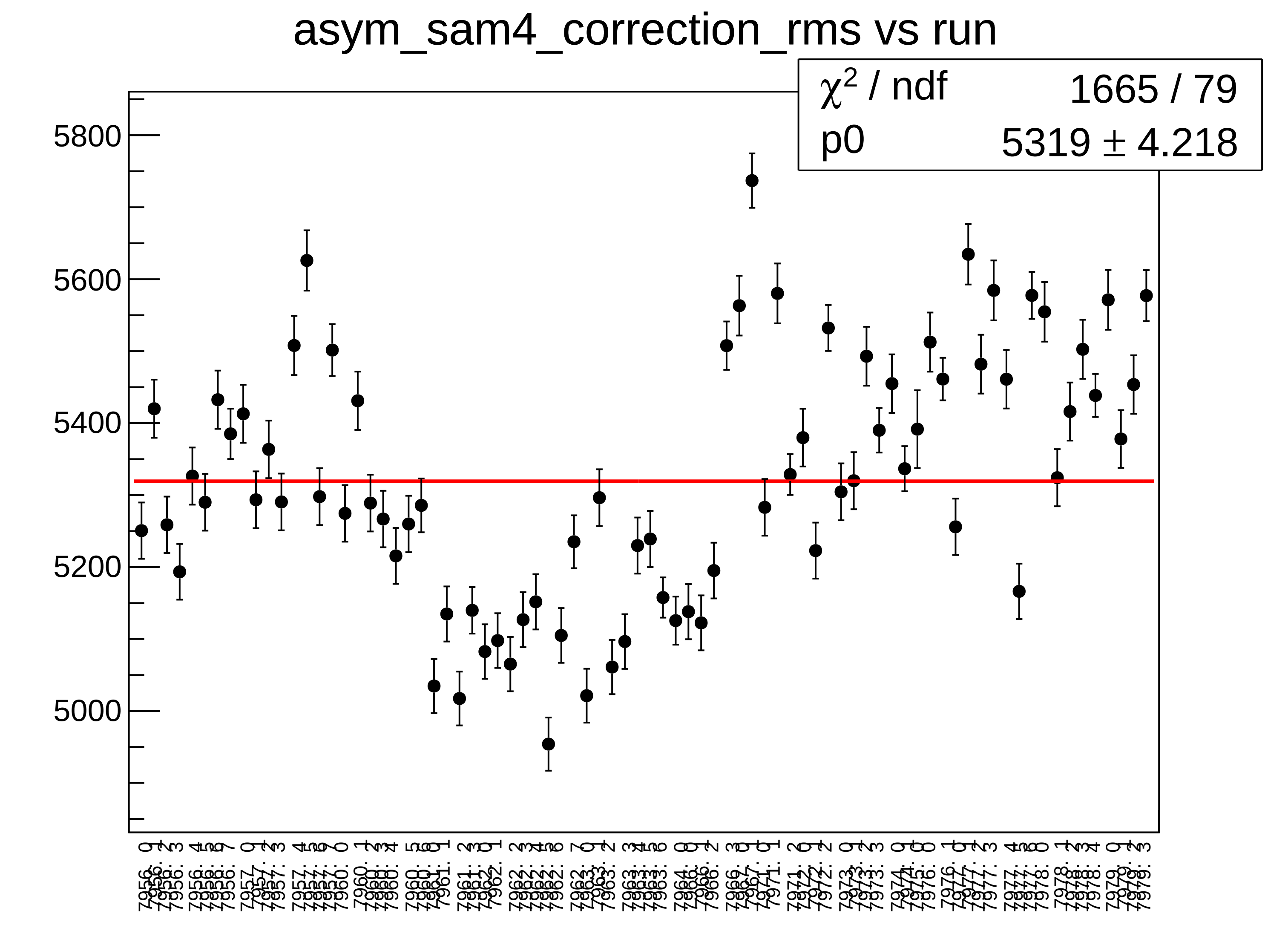


dit_asym_sam4_mean vs run
χ^2 / ndf 78.56 / 79
p0 −4.479 ± 496
pull
Entries 80
Mean −63.92
Std Dev 86.43
pull1D
Entries 80
Mean −0.02175
Std Dev 0.9907

dit_asym_sam4_rms vs run

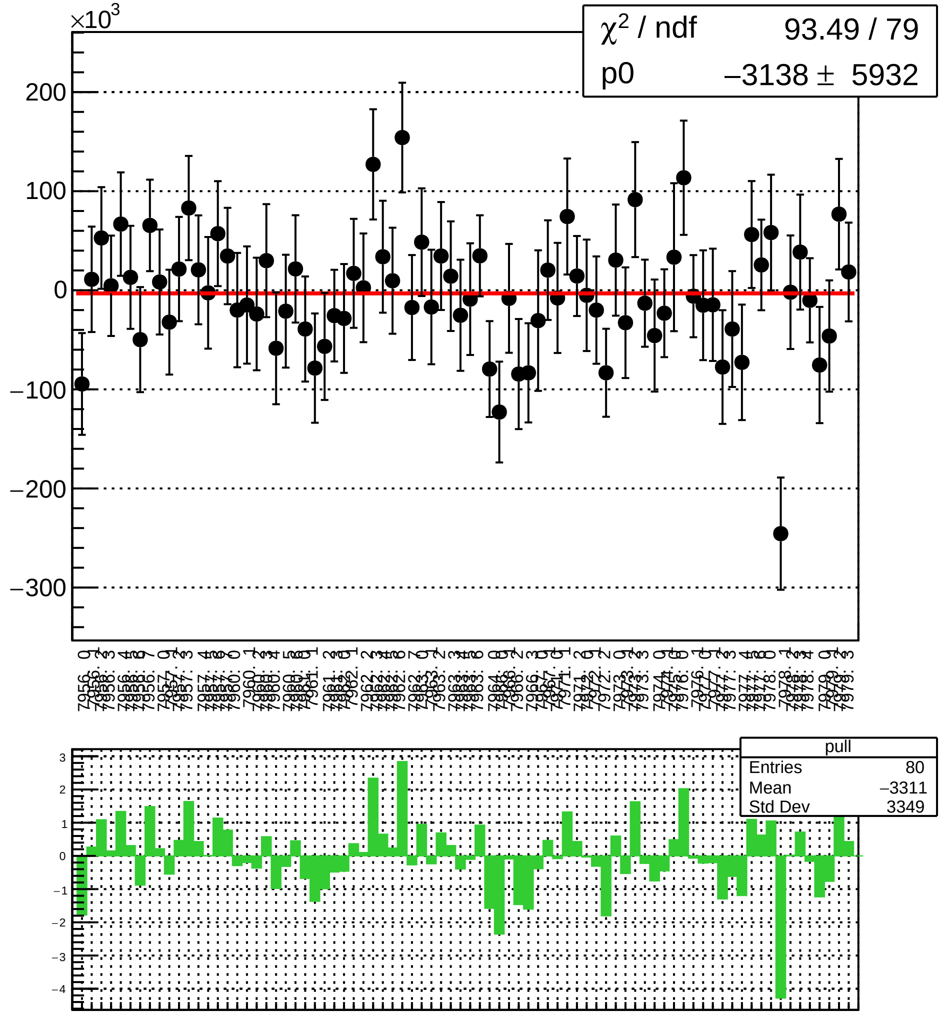


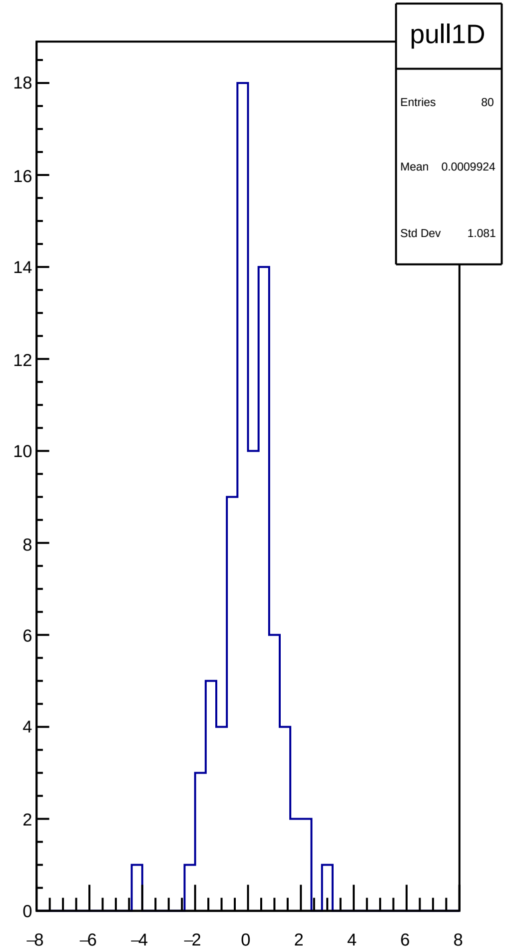

asym_sam4_correction_mean vs run
χ^2 / ndf 91.99 / 79
p0 3396 ± 5965
×10^3
300
200
100
0
−100
−200
pull
Entries 80
Mean −505.6
Std Dev 543.2
pull1D
Entries 80
Mean −0.00628
Std Dev 1.072

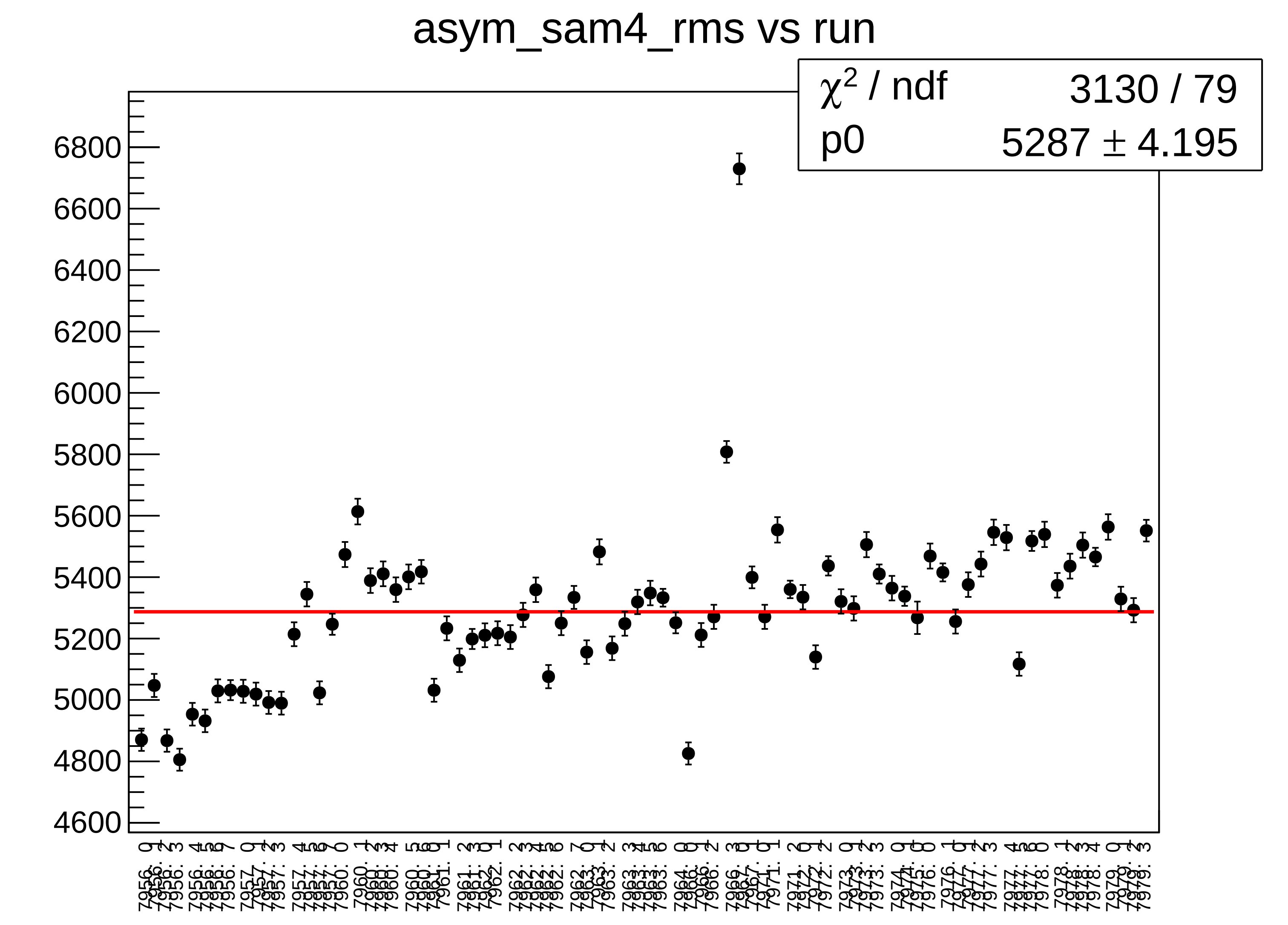


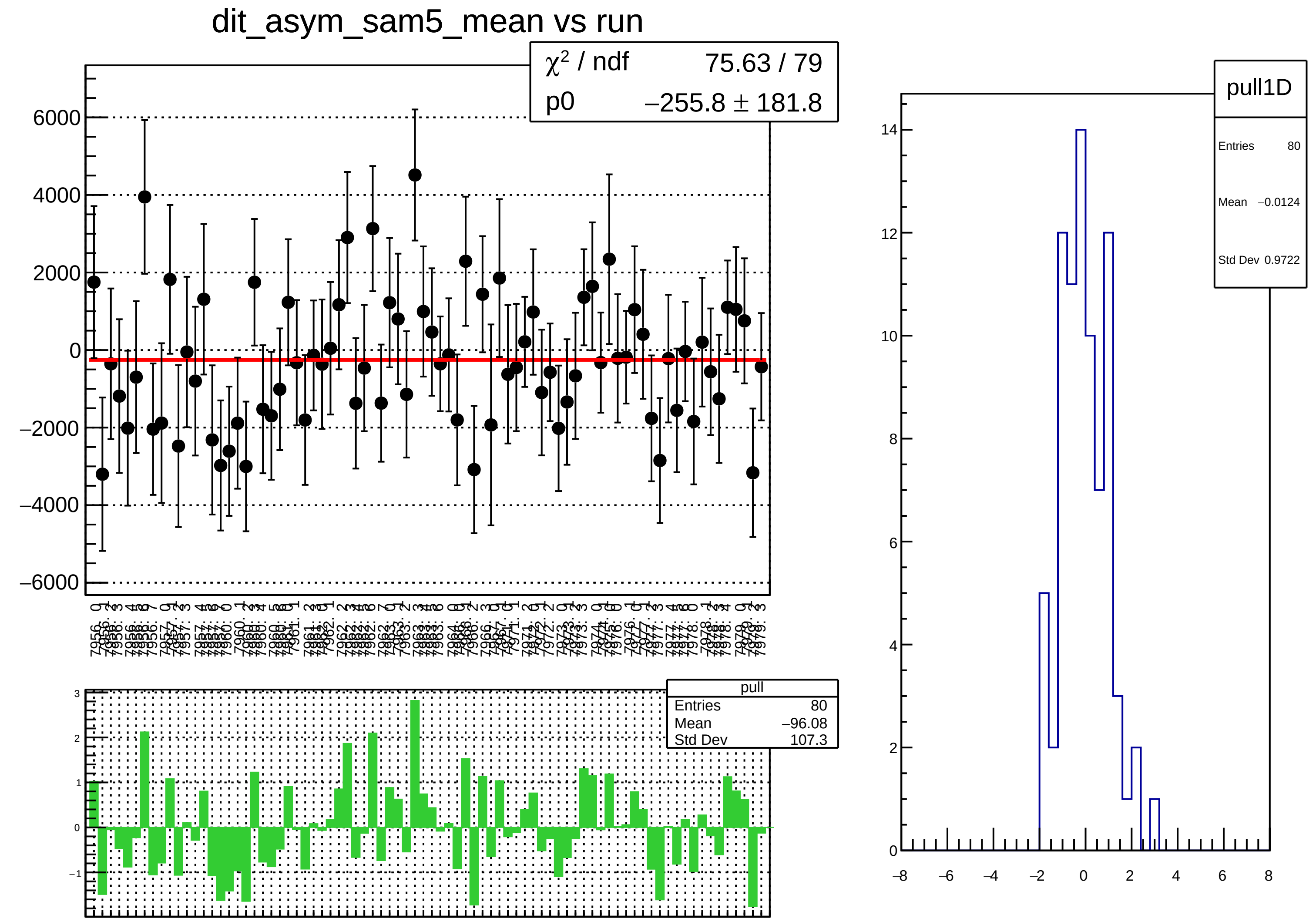
asym_sam4_correction_rms vs run
χ^2 / ndf 1665 / 79
p0 5319 ± 4.218
5800
5600
5400
5200
5000

asym_sam4_mean vs run

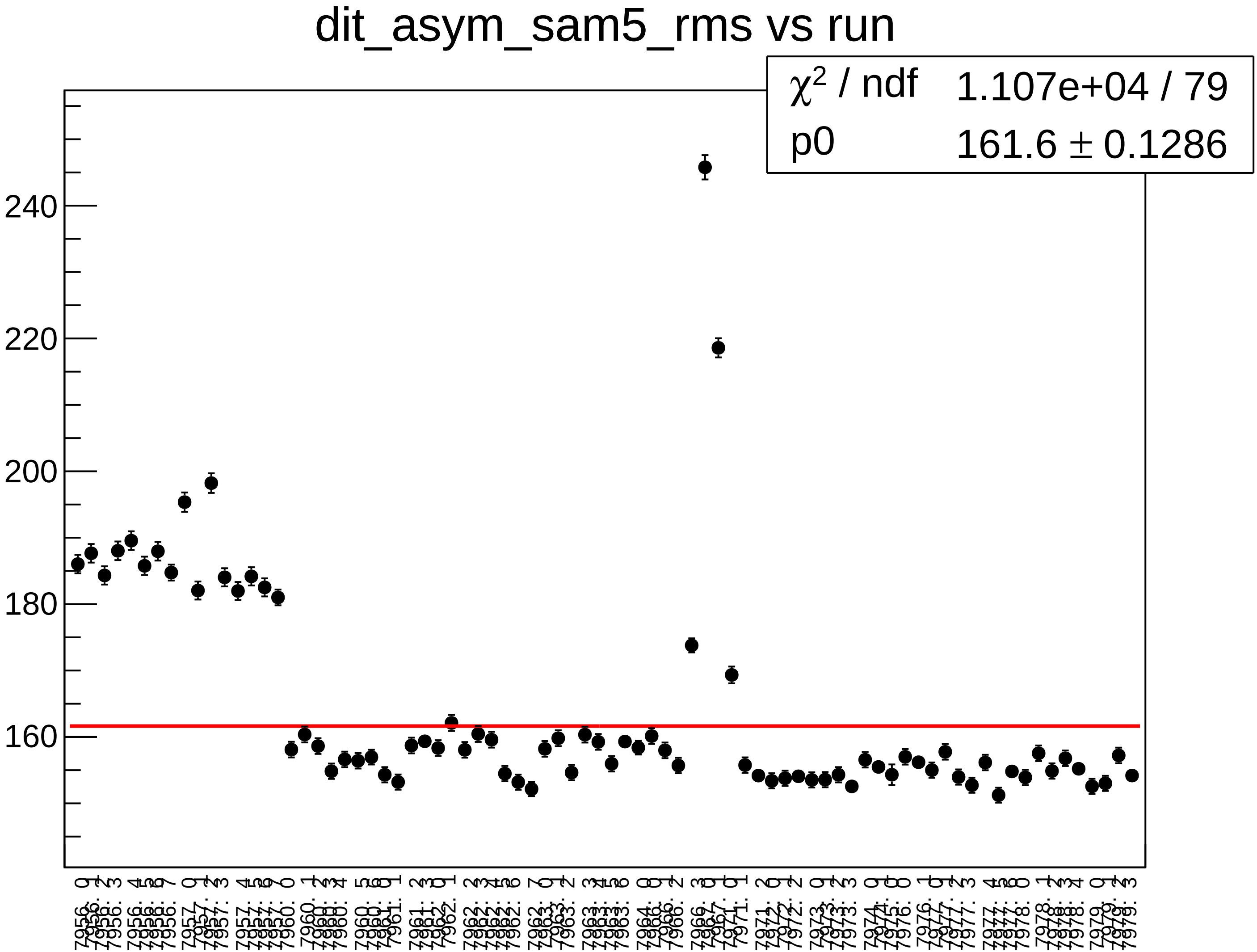




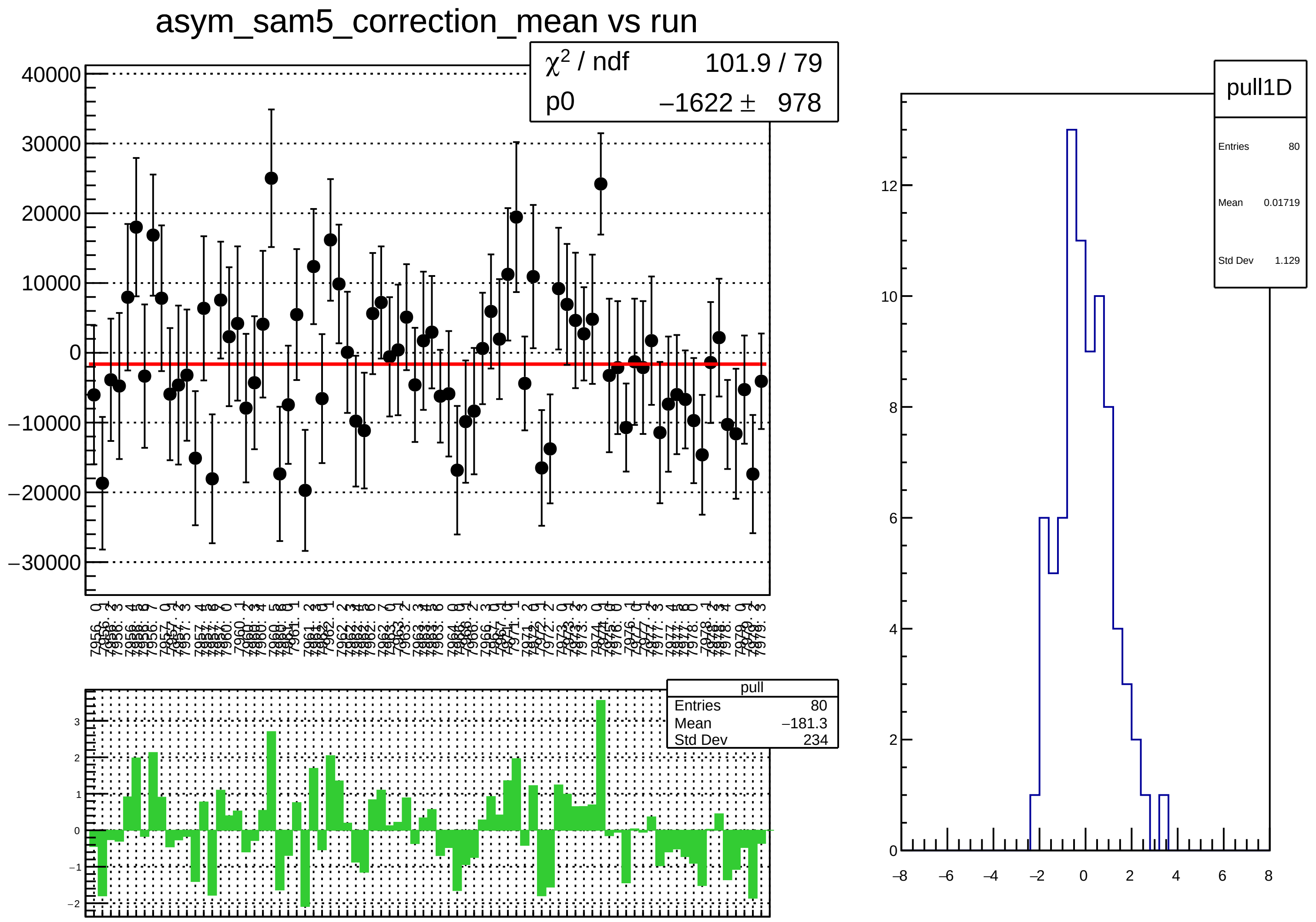

asym_sam4_rms vs run
χ2 / ndf 3130 / 79
p0 5287 ± 4.195
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

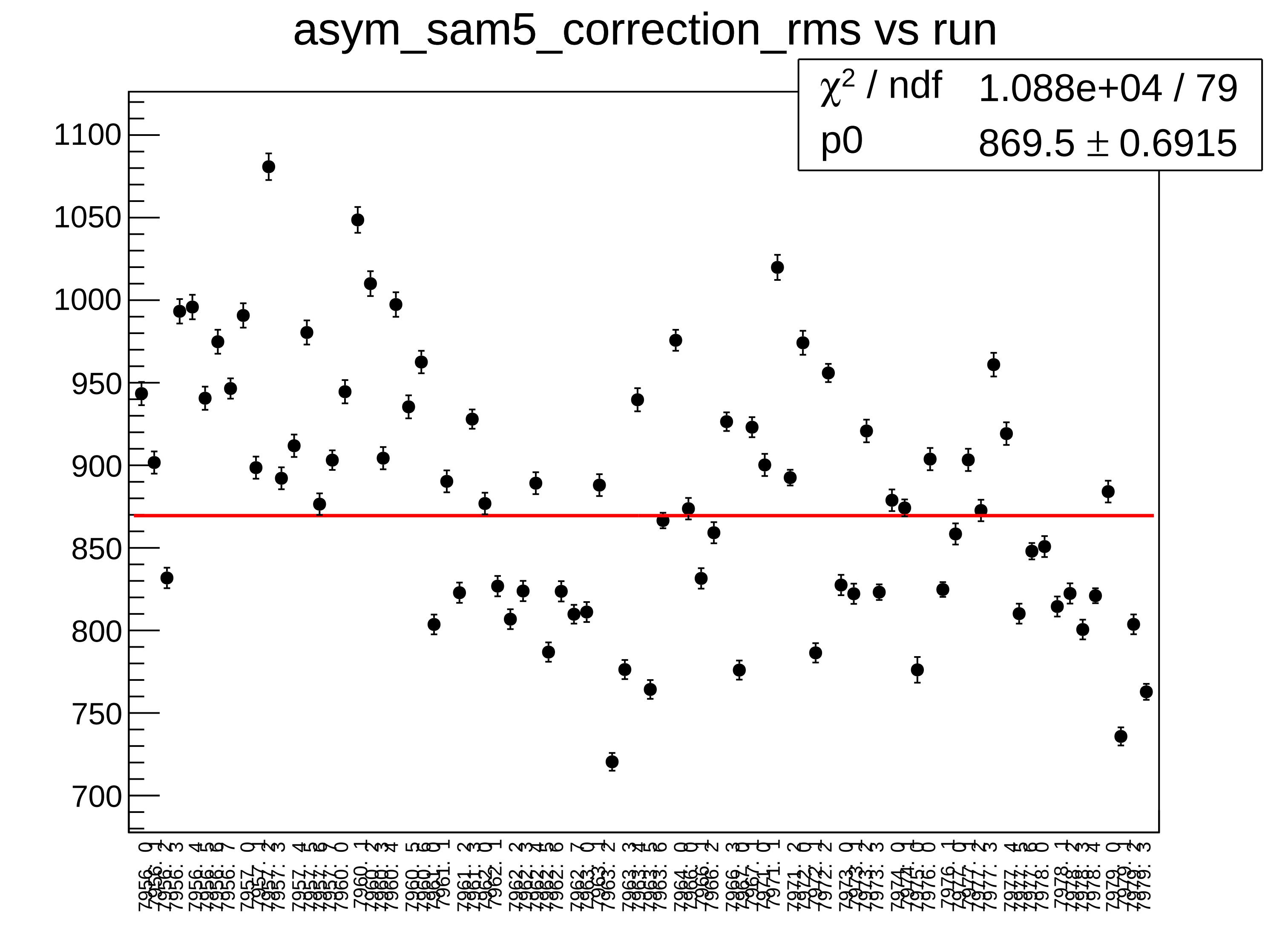


dit_asym_sam5_mean vs run
χ^2 / ndf 75.63 / 79
p0 −255.8 ± 181.8
pull
Entries 80
Mean −96.08
Std Dev 107.3
pull1D
Entries 80
Mean −0.0124
Std Dev 0.9722

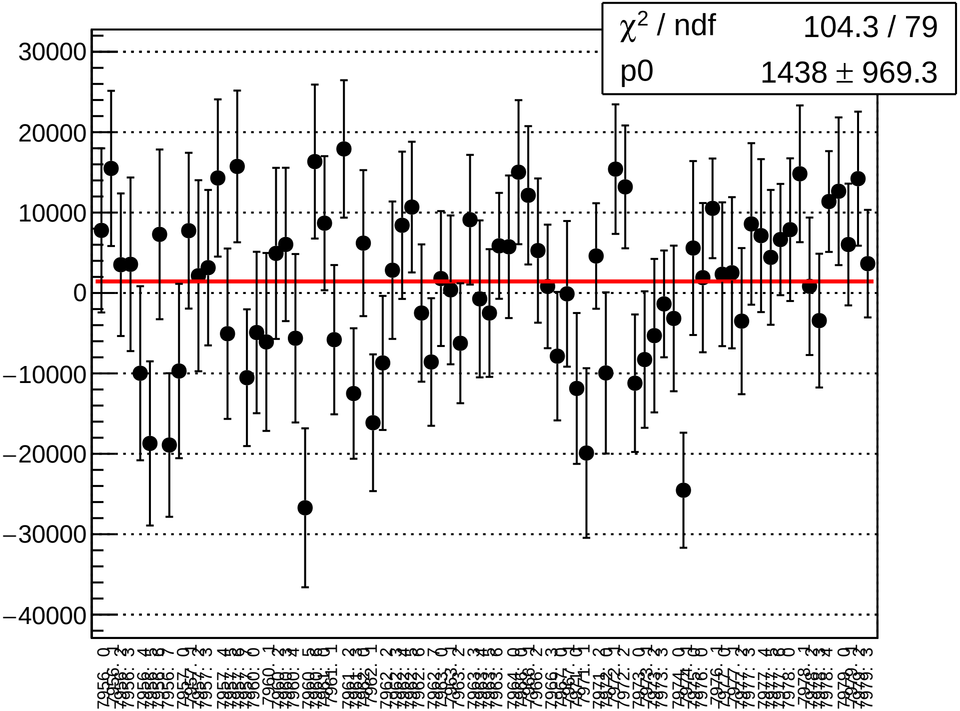


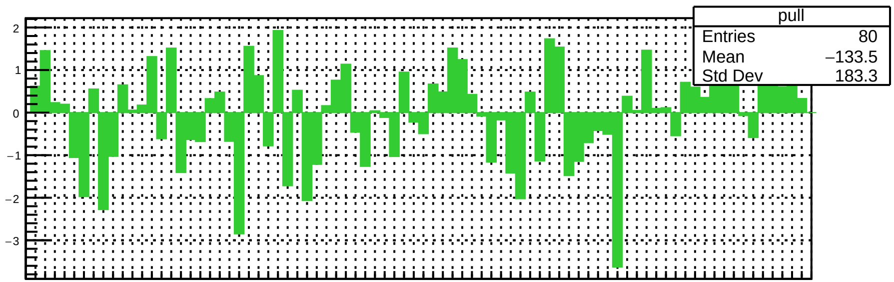
dit_asym_sam5_rms vs run
χ² / ndf 1.107e+04 / 79
p0 161.6 ± 0.1286
240
220
200
180
160

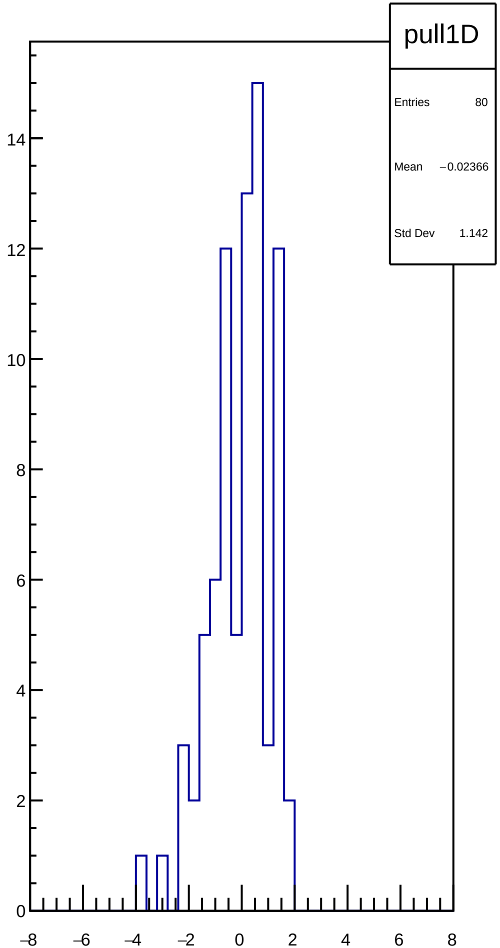

asym_sam5_correction_mean vs run
χ^2 / ndf 101.9 / 79
p0 −1622 ± 978
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −181.3
Std Dev 234
pull1D
Entries 80
Mean 0.01719
Std Dev 1.129

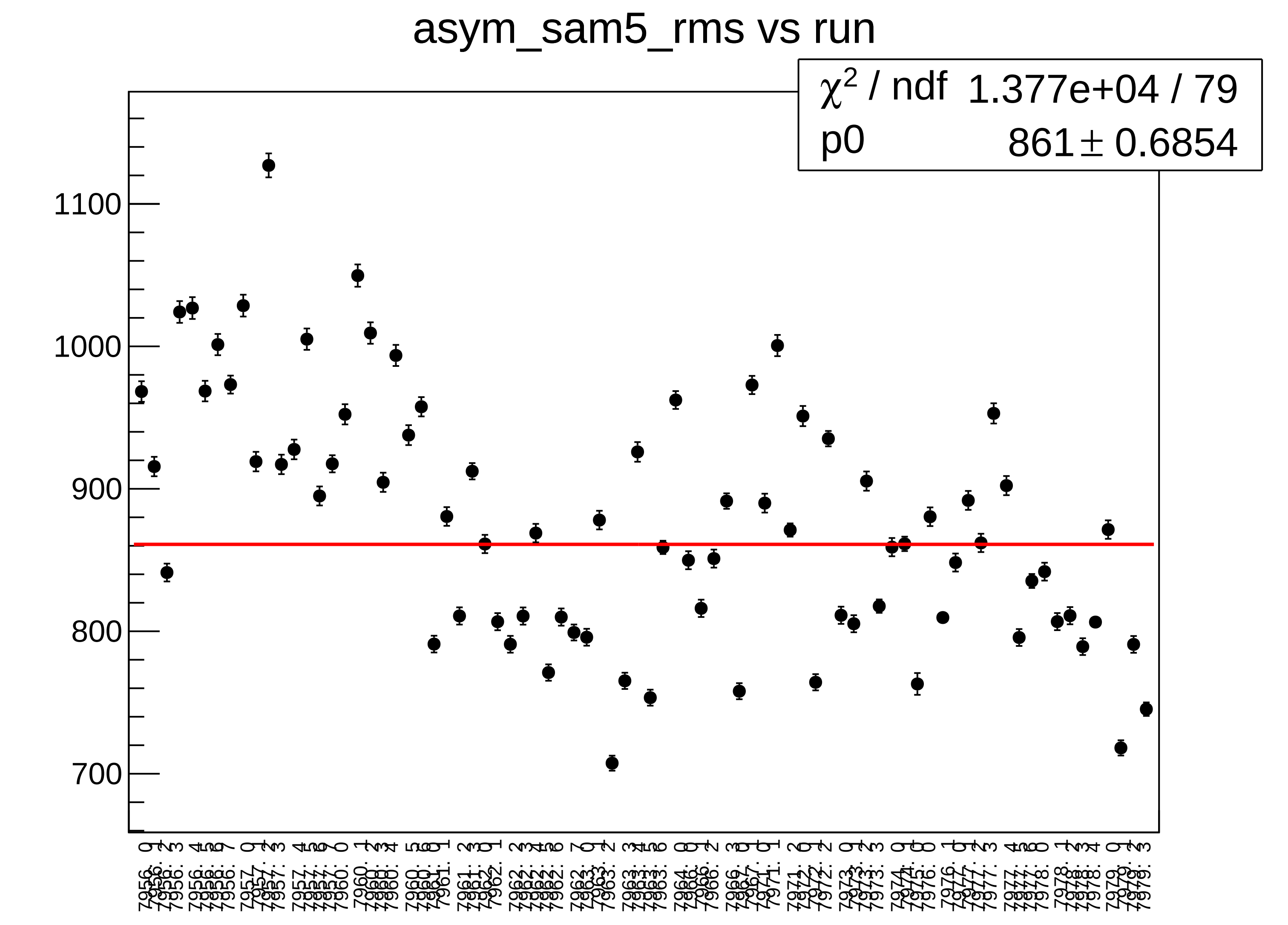

asym_sam5_correction_rms vs run
χ^2 / ndf 1.088e+04 / 79
p0 869.5 ± 0.6915
1100
1050
1000
950
900
850
800
750
700

asym_sam5_mean vs run

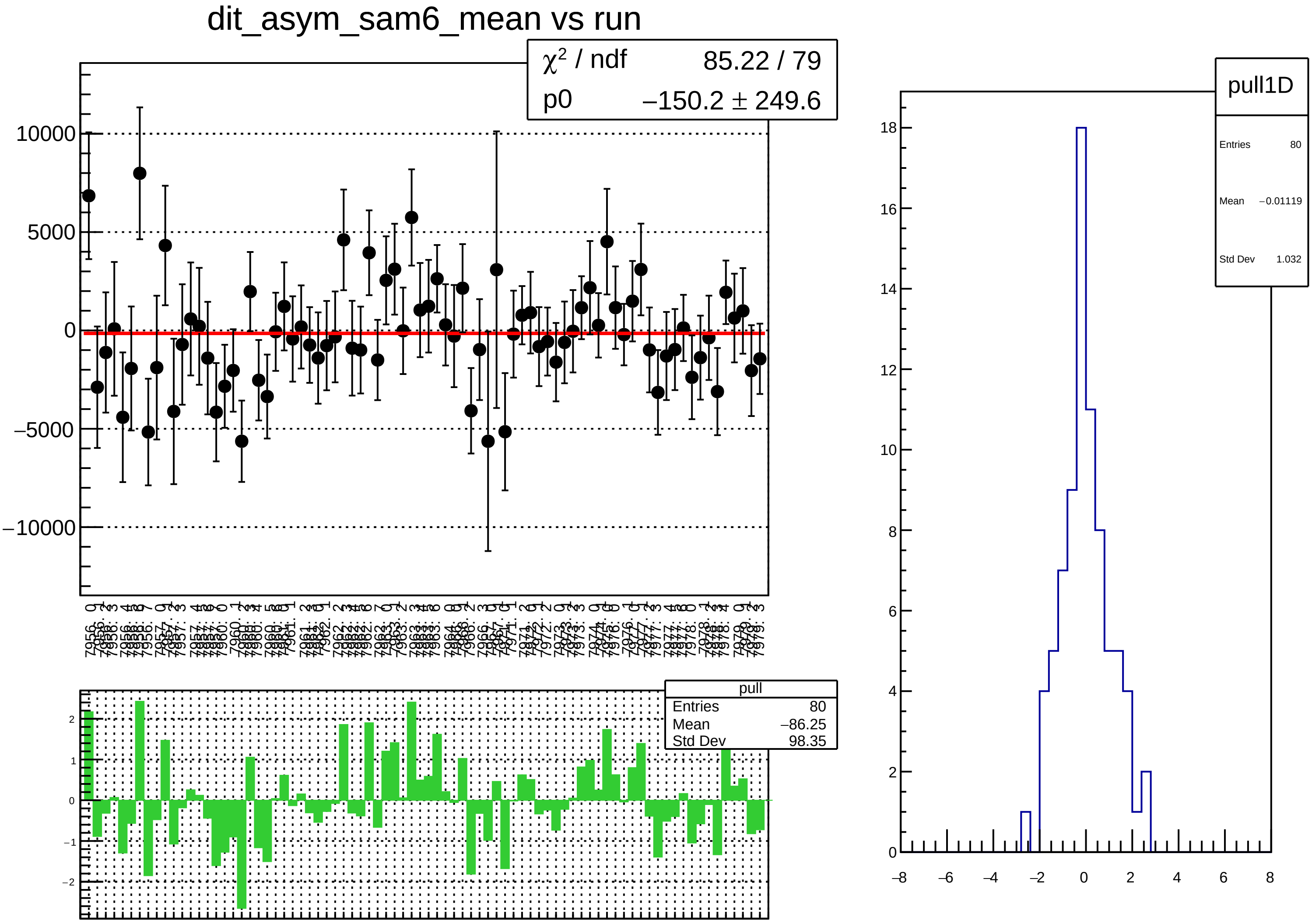




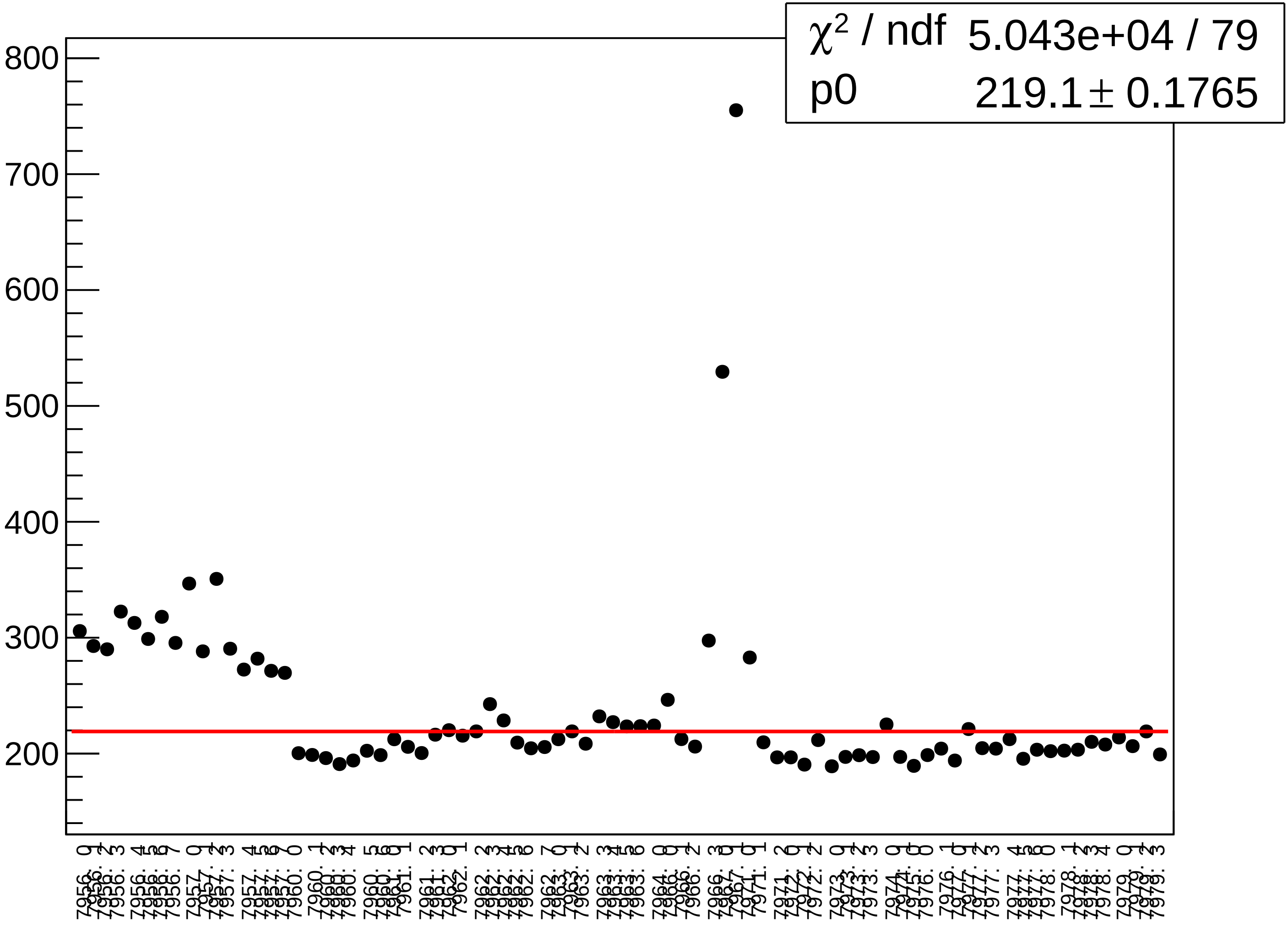


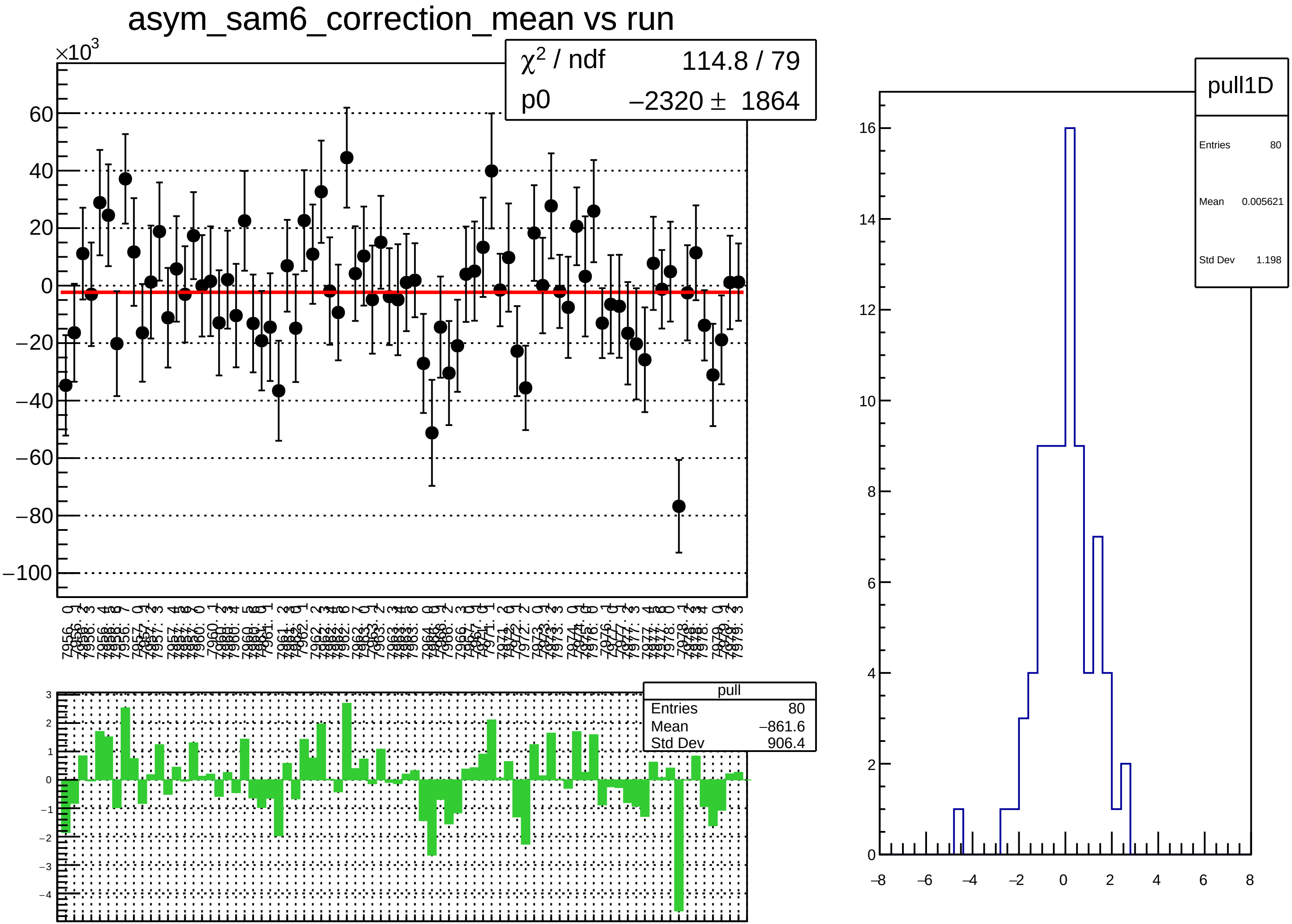


asym_sam5_rms vs run
χ^2 / ndf 1.377e+04 / 79
p0 861 ± 0.6854
1100
1000
900
800
700

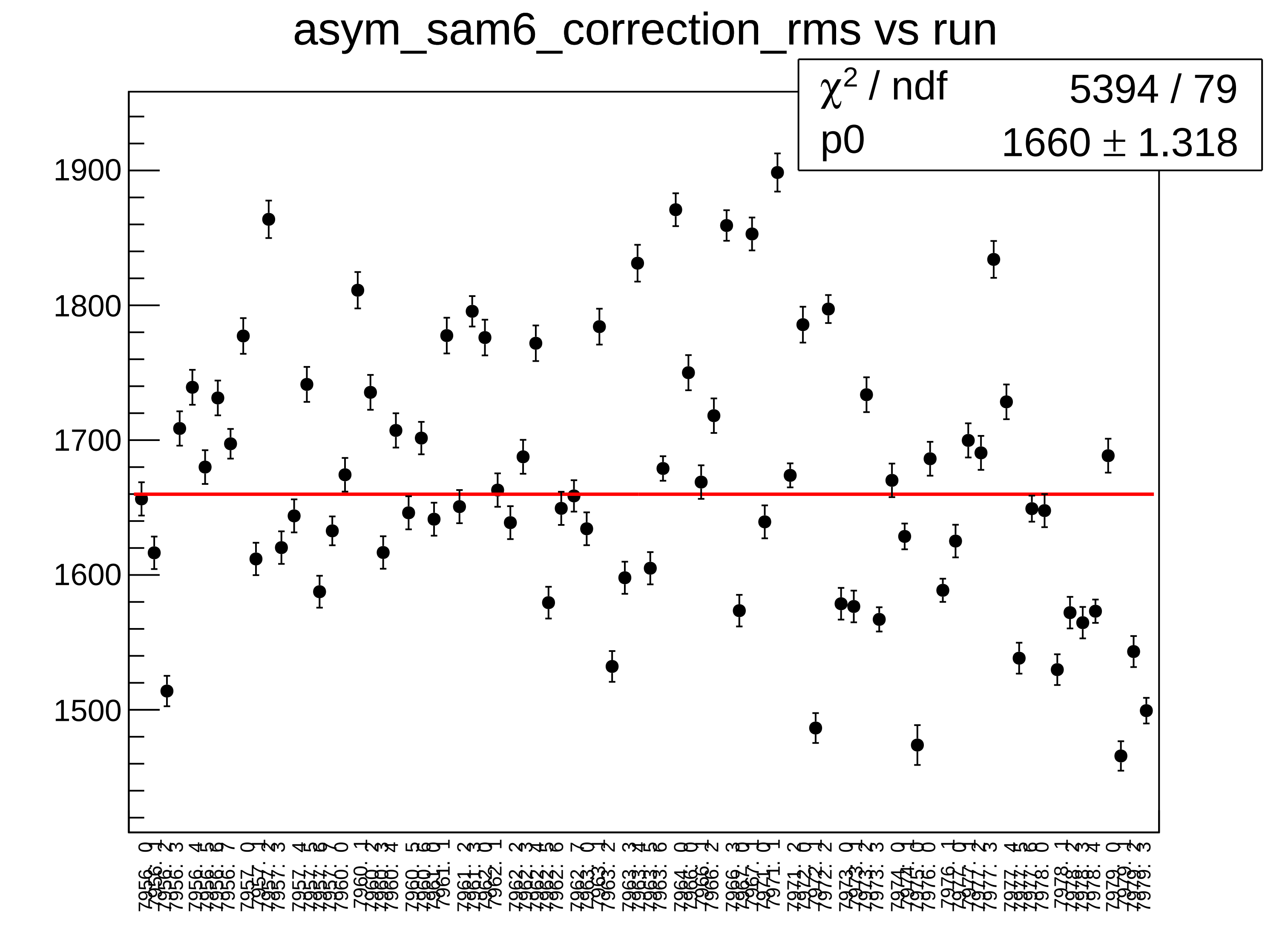

dit_asym_sam6_mean vs run
χ^2 / ndf 85.22 / 79
p0 −150.2 ± 249.6
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −86.25
Std Dev 98.35
pull1D
Entries 80
Mean −0.01119
Std Dev 1.032

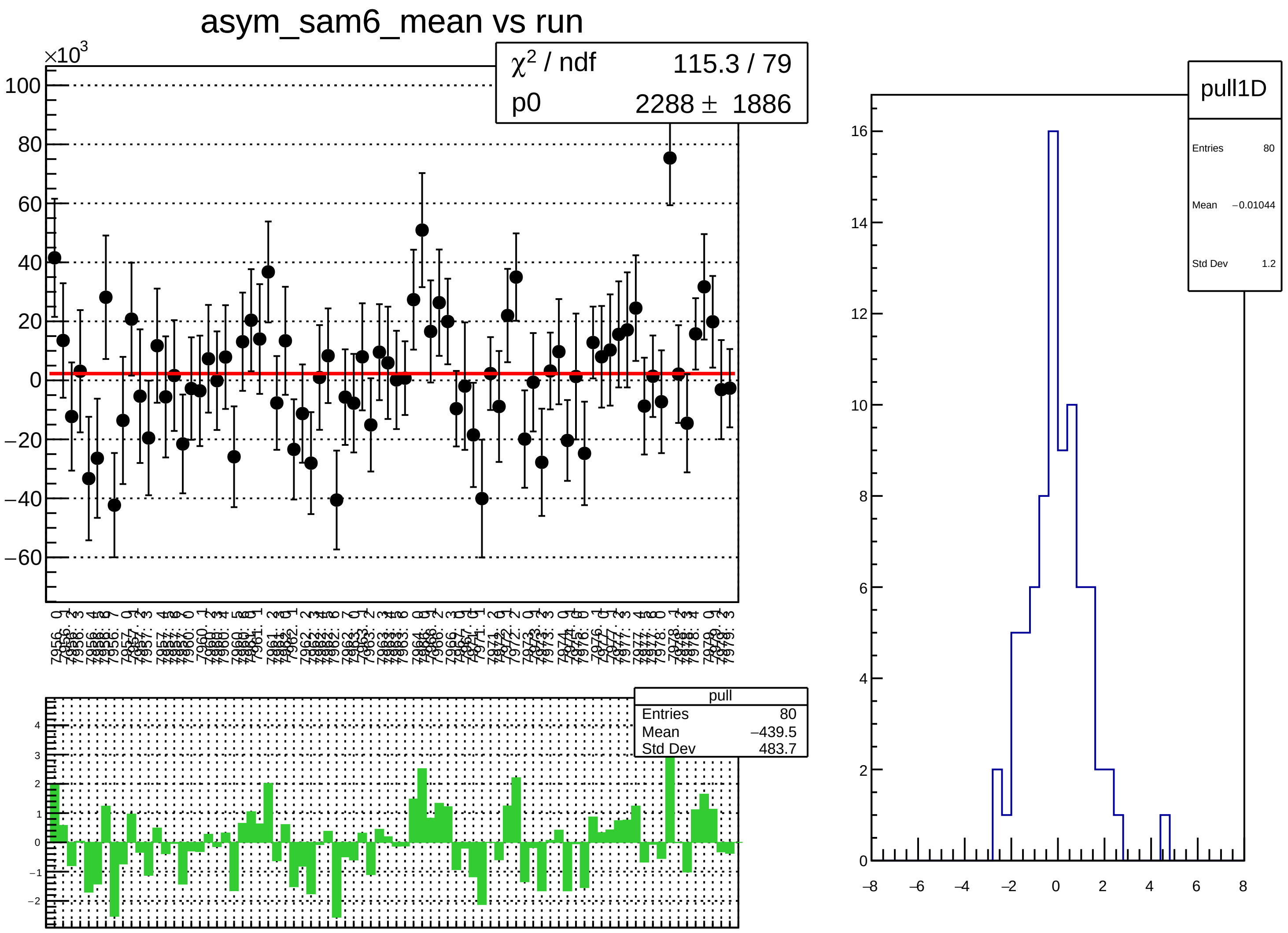
dit_asym_sam6_rms vs run



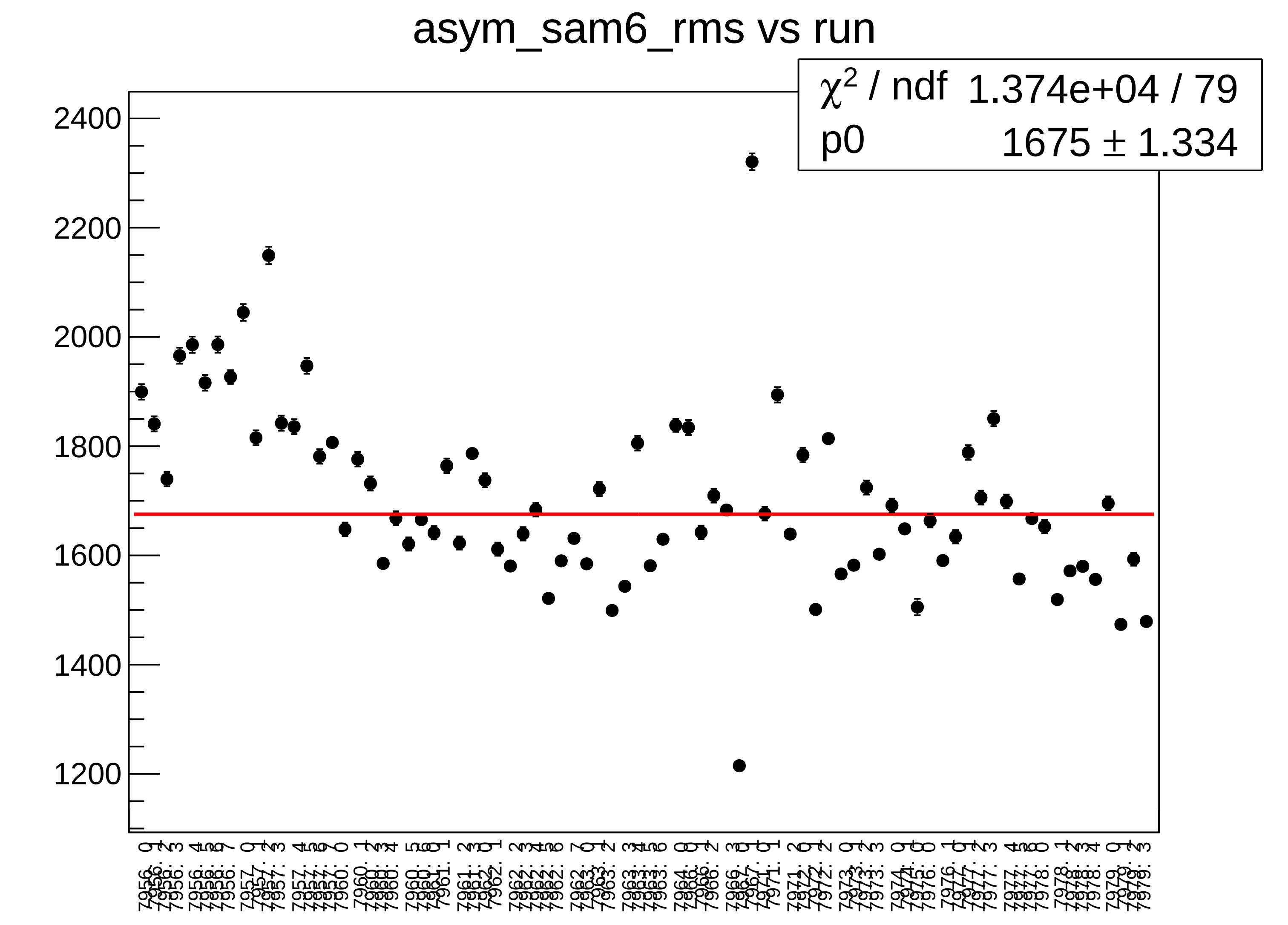


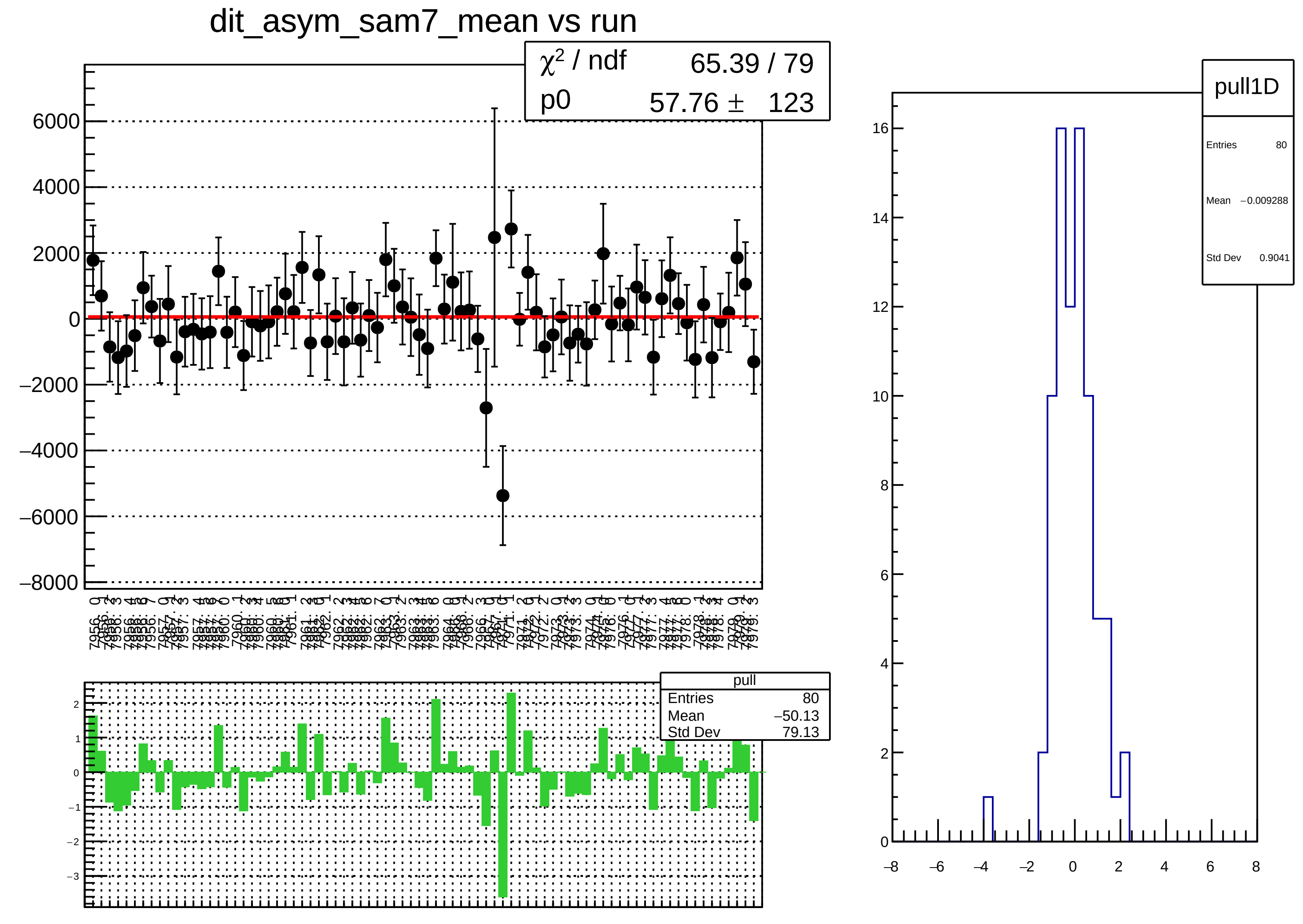
asym_sam6_correction_mean vs run
χ^2 / ndf 114.8 / 79
p0 −2320 ± 1864
×10^3
pull
Entries 80
Mean −861.6
Std Dev 906.4
pull1D
Entries 80
Mean 0.005621
Std Dev 1.198

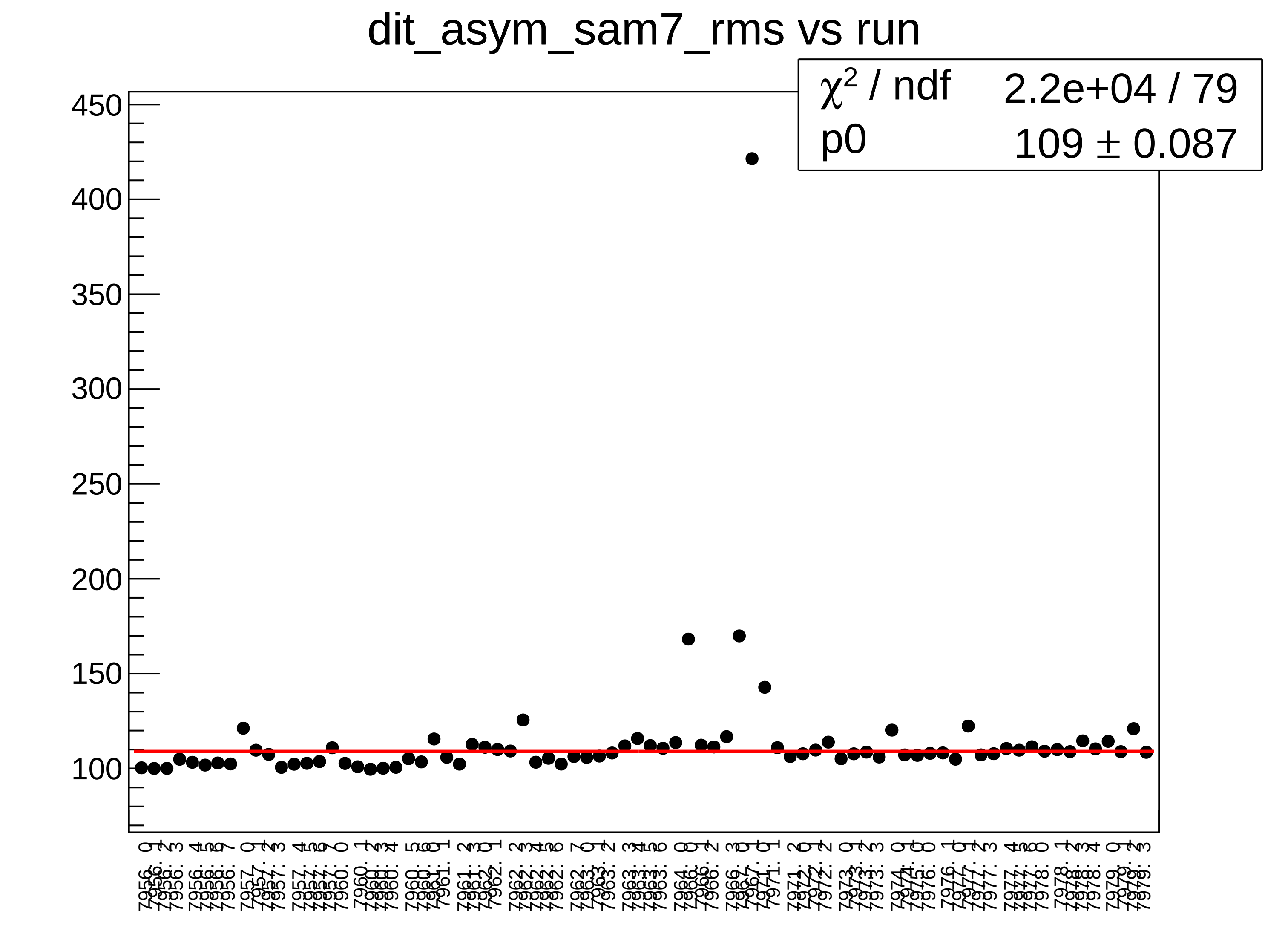

asym_sam6_correction_rms vs run
χ^2 / ndf 5394 / 79
p0 1660 ± 1.318
1900
1800
1700
1600
1500



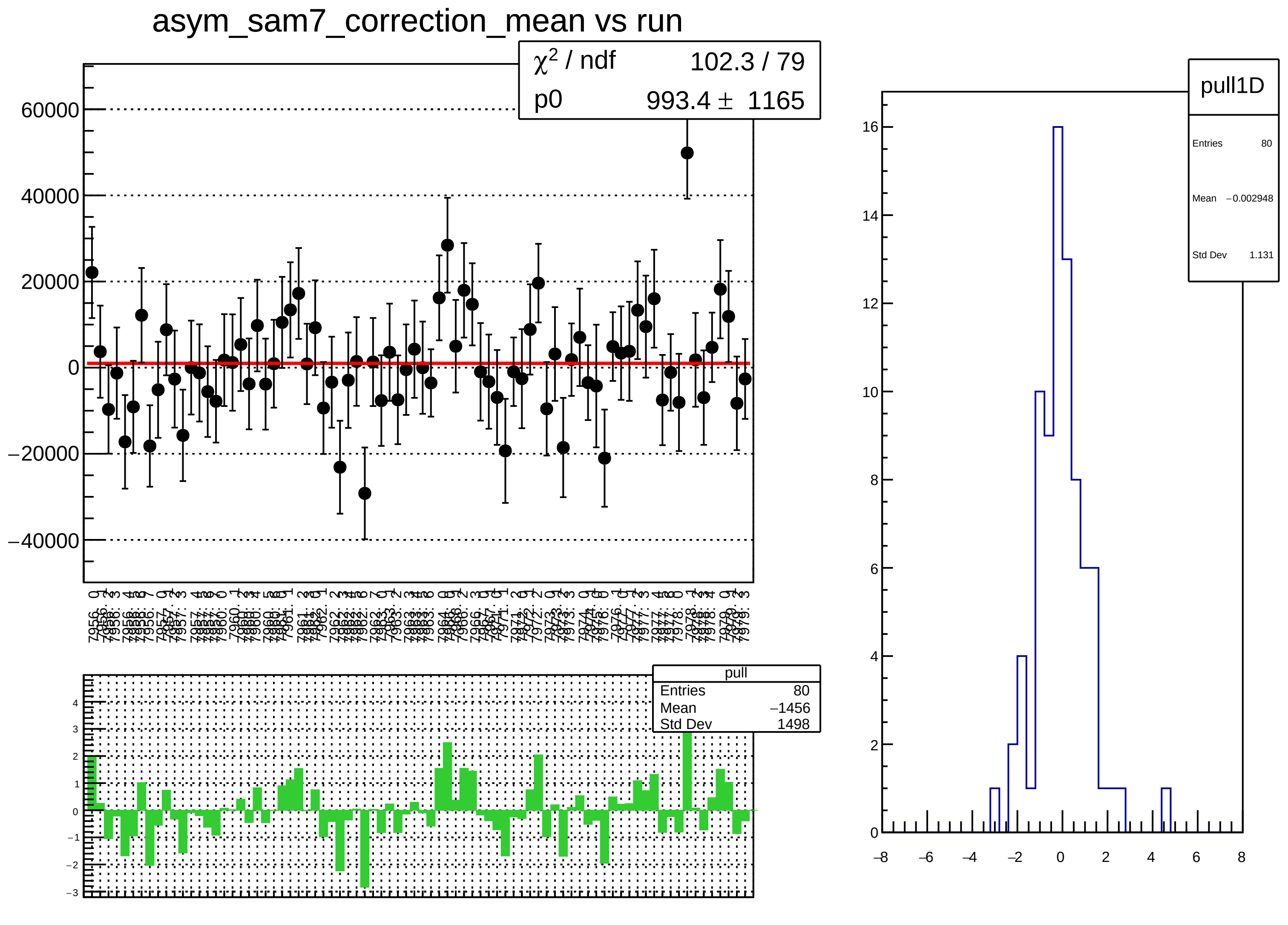
asym_sam6_mean vs run
×10^3
χ2 / ndf 115.3 / 79
p0 2288 ± 1886
pull
Entries 80
Mean −439.5
Std Dev 483.7
pull1D
Entries 80
Mean −0.01044
Std Dev 1.2

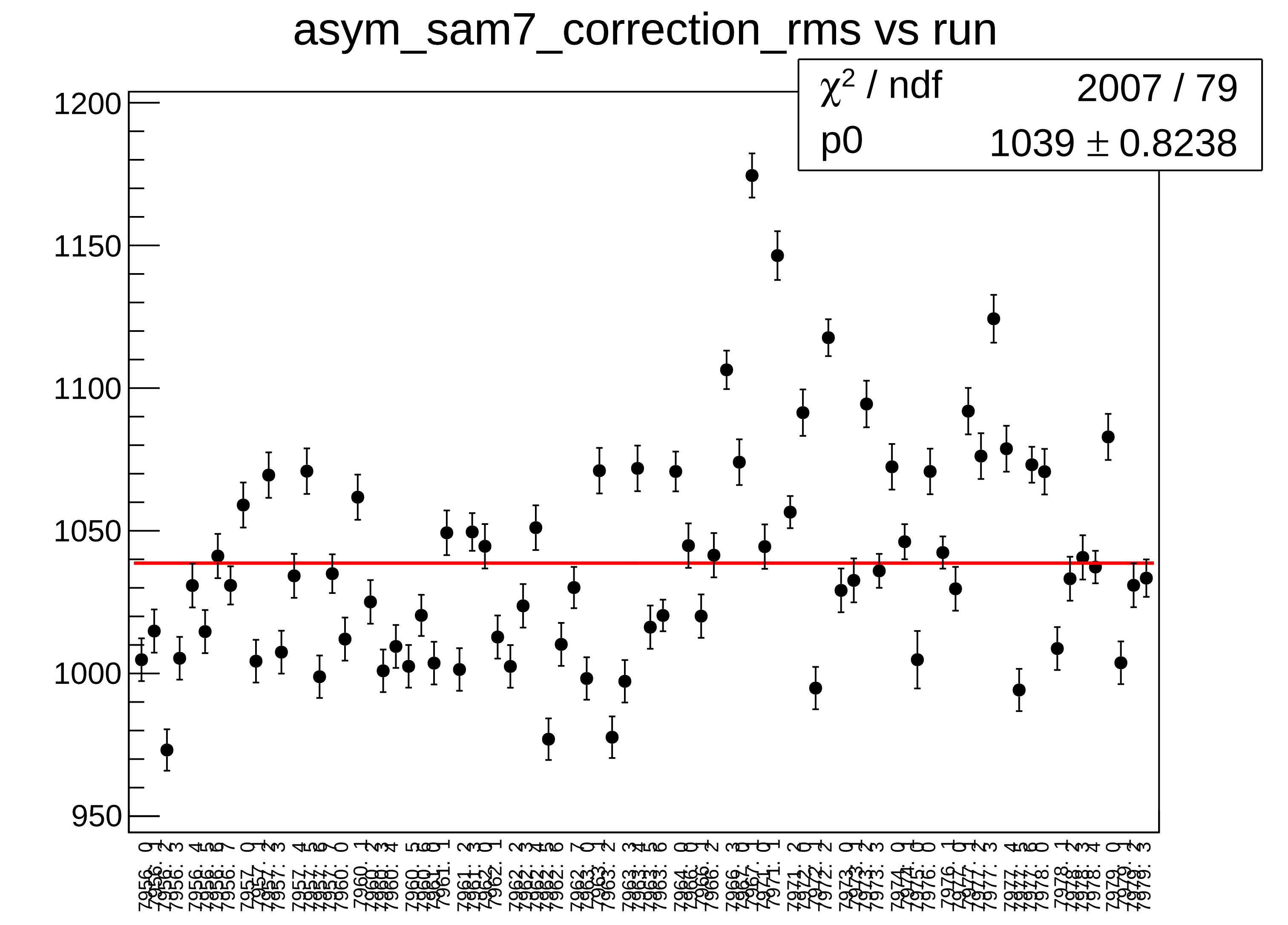

asym_sam6_rms vs run
χ2 / ndf 1.374e+04 / 79
p0 1675 ± 1.334
2400
2200
2000
1800
1600
1400
1200


dit_asym_sam7_mean vs run
χ^2 / ndf 65.39 / 79
p0 57.76 ± 123
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 80
Mean −50.13
Std Dev 79.13
pull1D
Entries 80
Mean −0.009288
Std Dev 0.9041

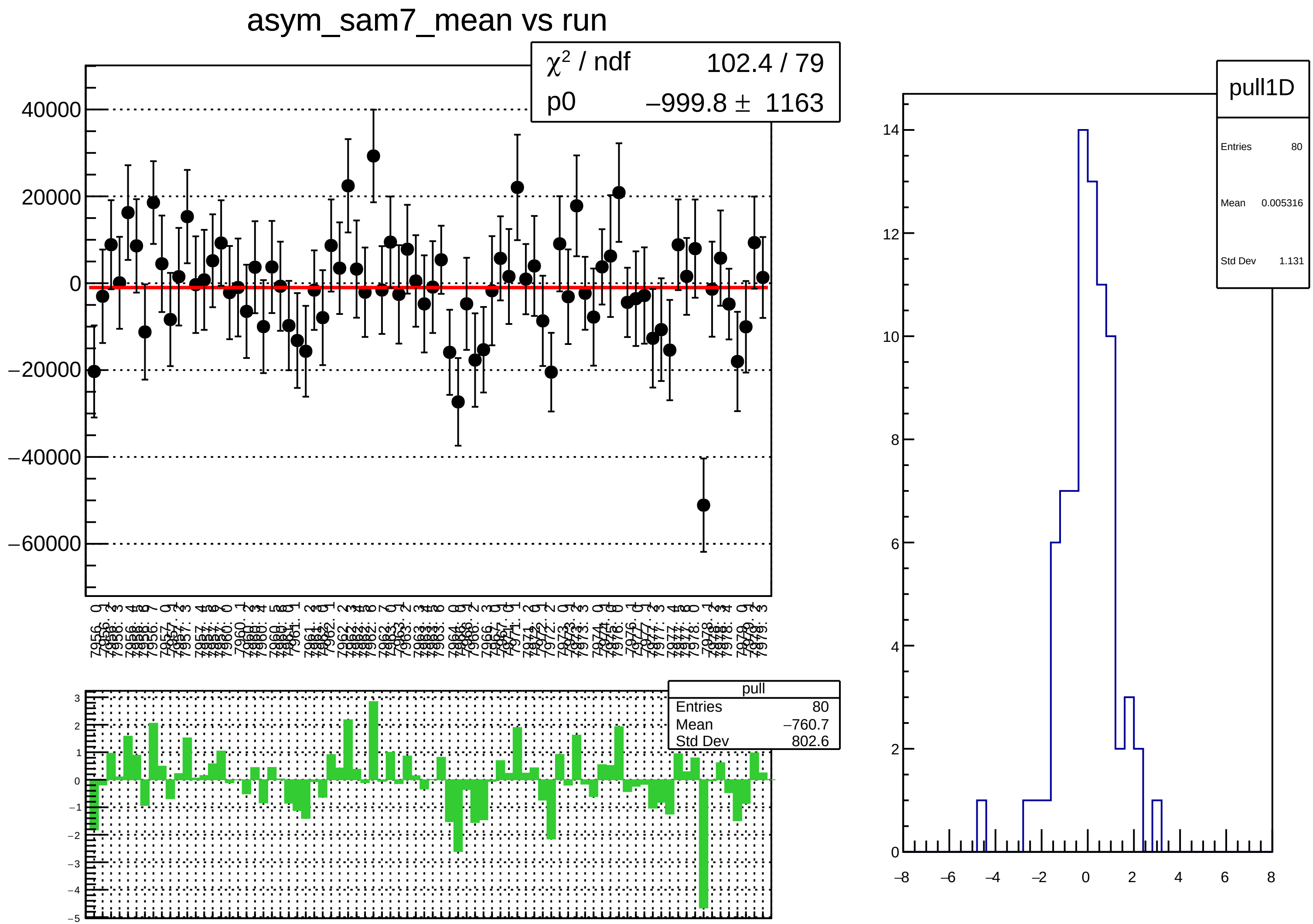


dit_asym_sam7_rms vs run
χ^2 / ndf 2.2e+04 / 79
p0 109 ± 0.087
450
400
350
300
250
200
150
100

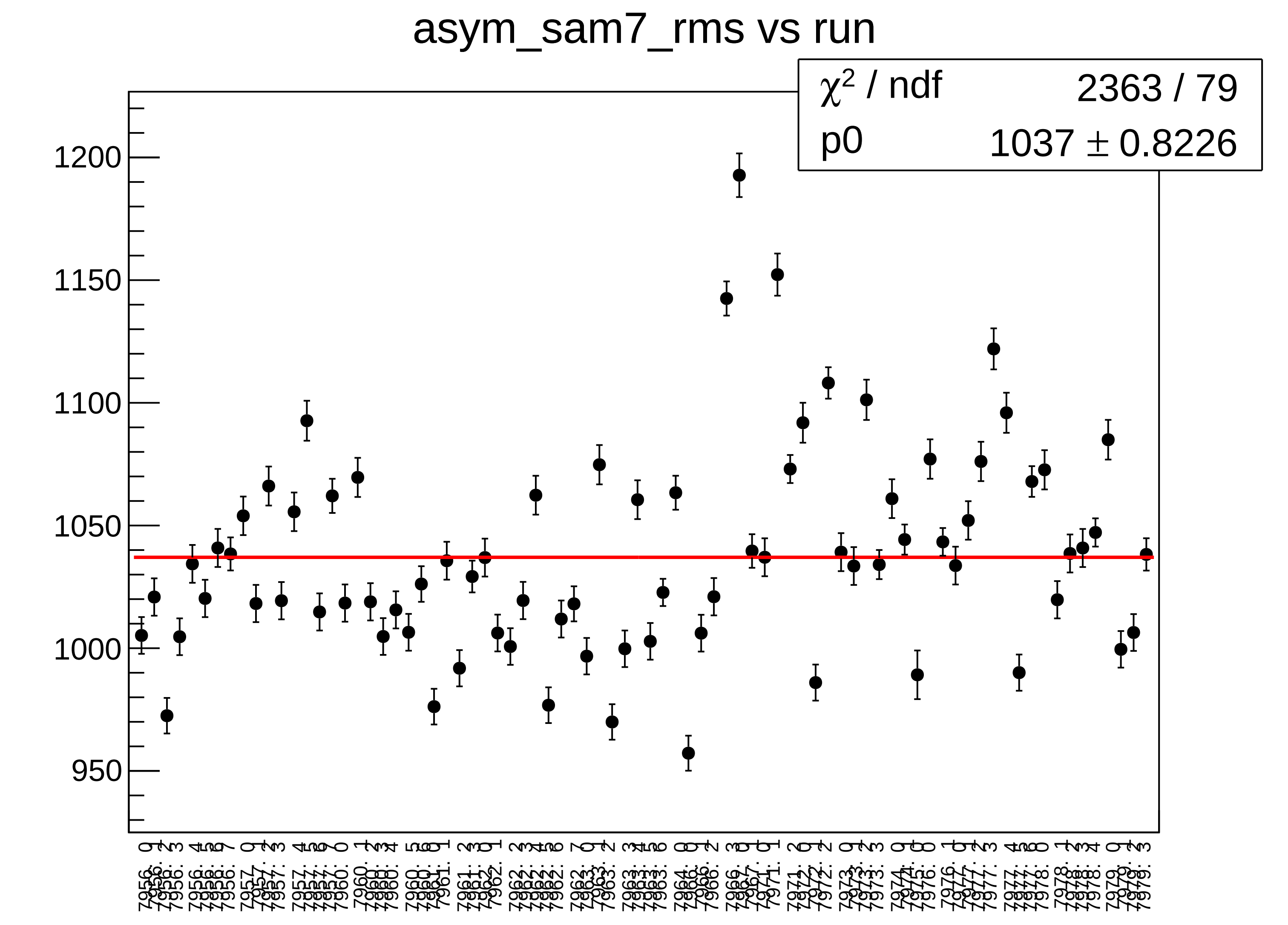

asym_sam7_correction_mean vs run
χ2 / ndf 102.3 / 79
p0 993.4 ± 1165
pull
Entries 80
Mean −1456
Std Dev 1498
pull1D
Entries 80
Mean −0.002948
Std Dev 1.131

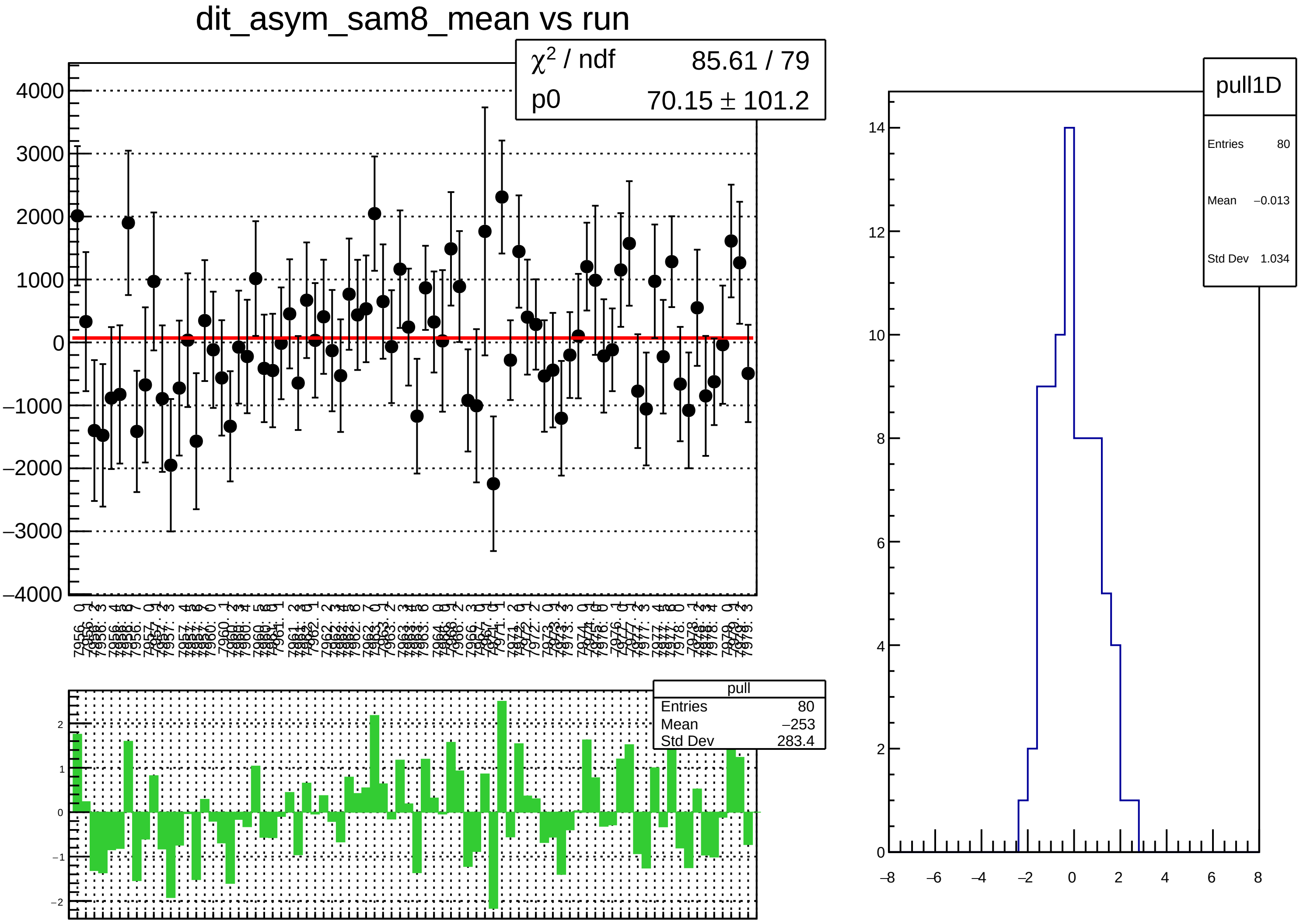


asym_sam7_correction_rms vs run
χ2 / ndf 2007 / 79
p0 1039 ± 0.8238
1200
1150
1100
1050
1000
950

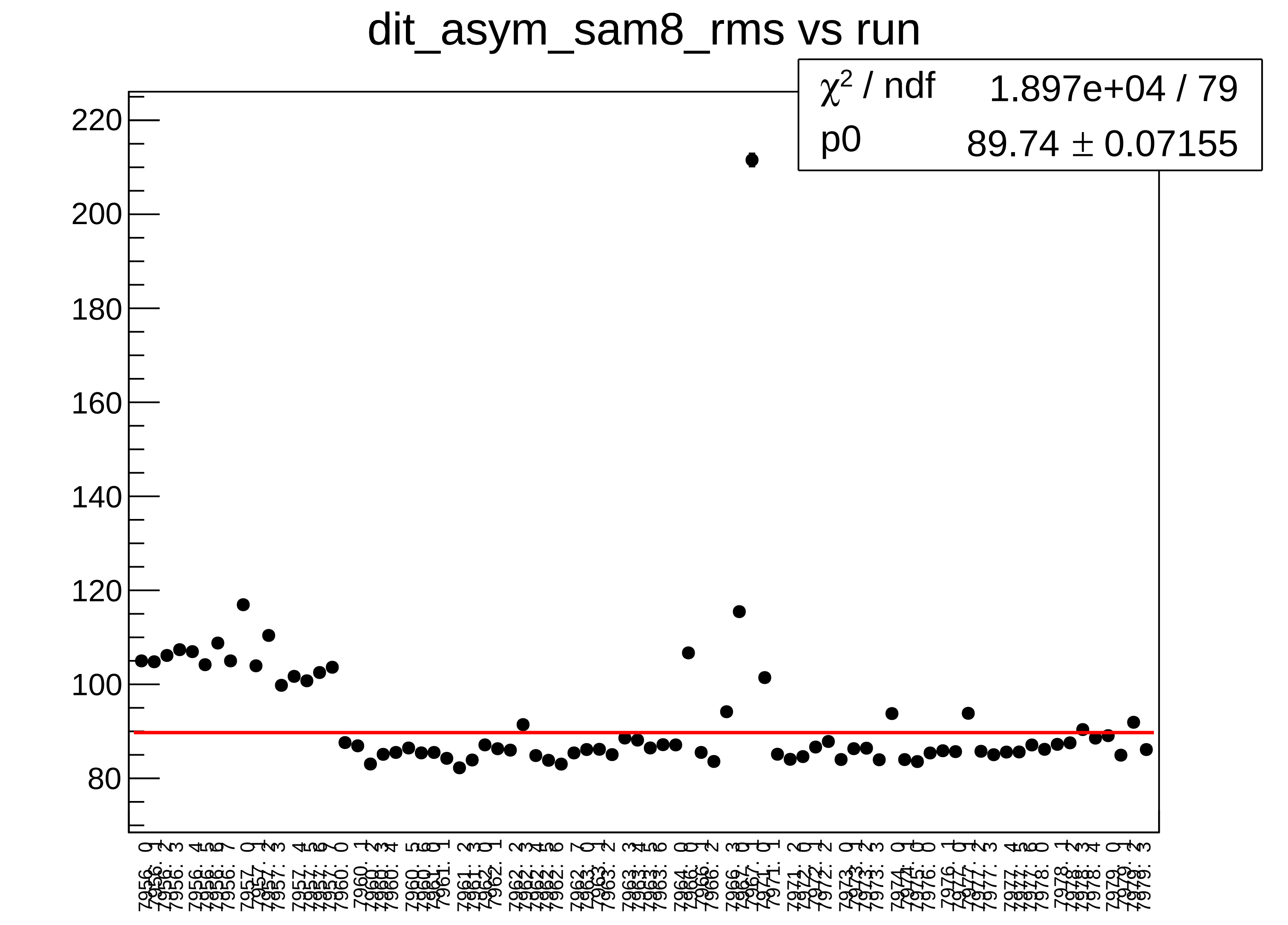


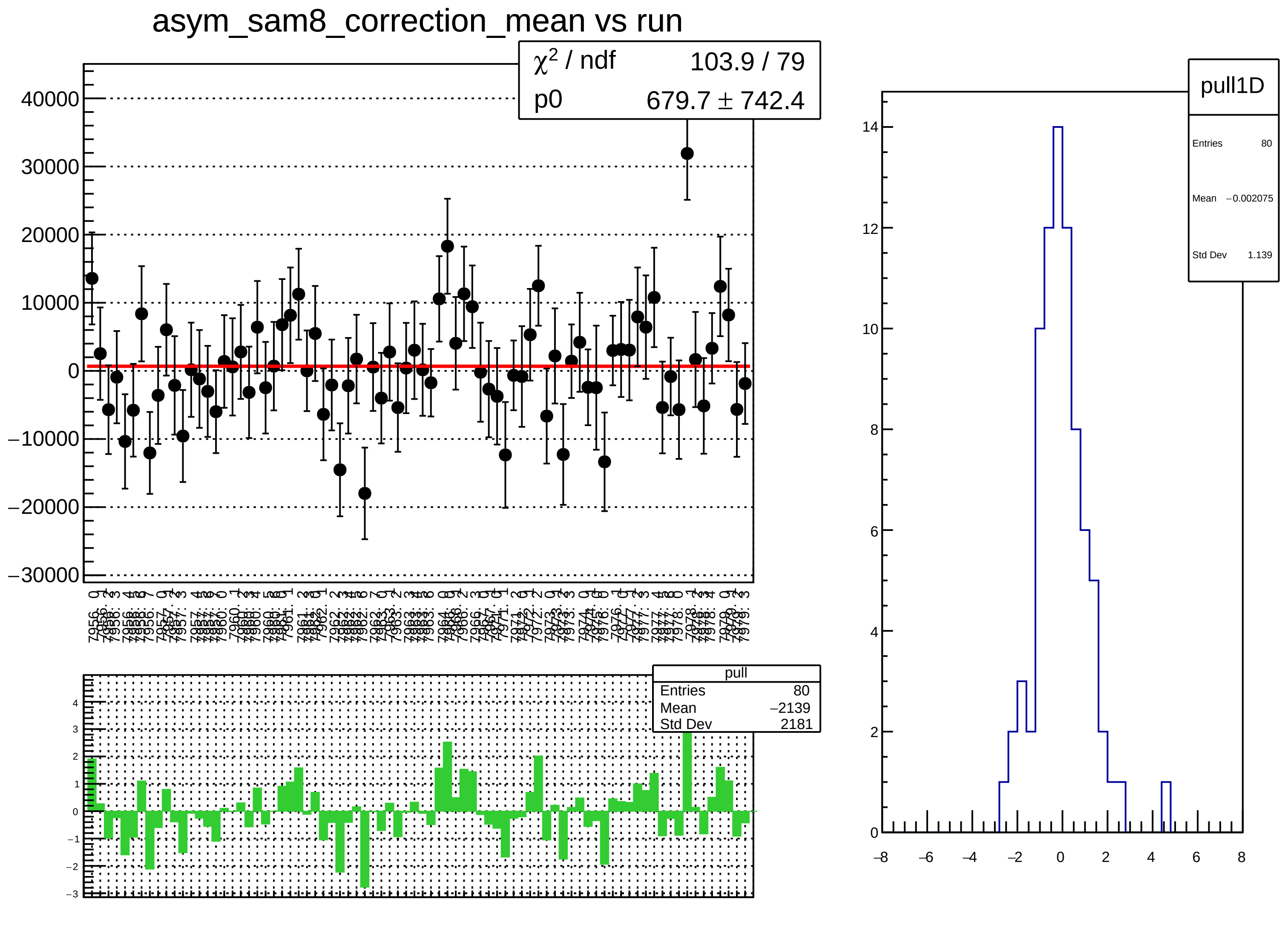
asym_sam7_mean vs run
χ2 / ndf 102.4 / 79
p0 −999.8 ± 1163
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −760.7
Std Dev 802.6
pull1D
Entries 80
Mean 0.005316
Std Dev 1.131


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

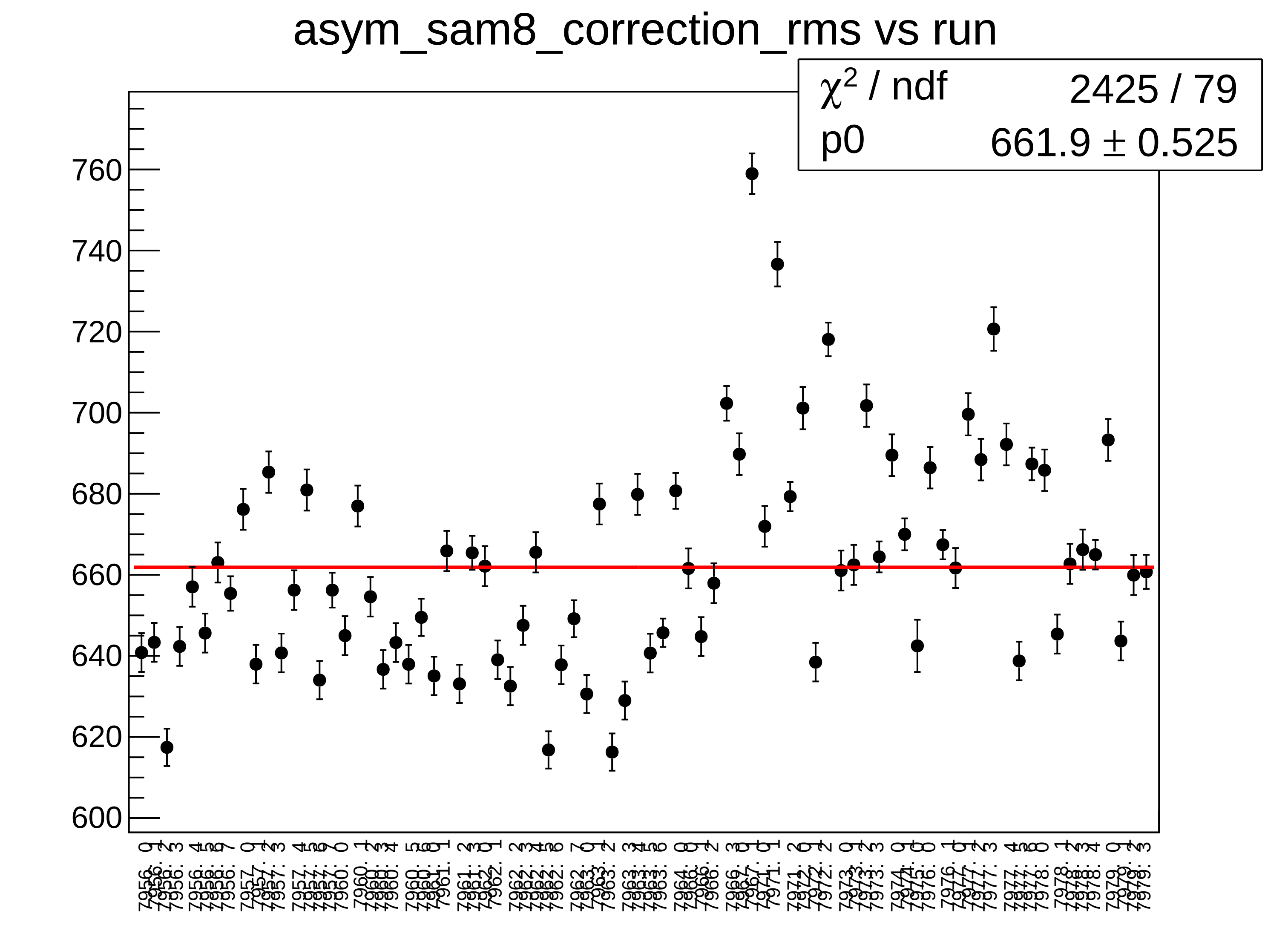


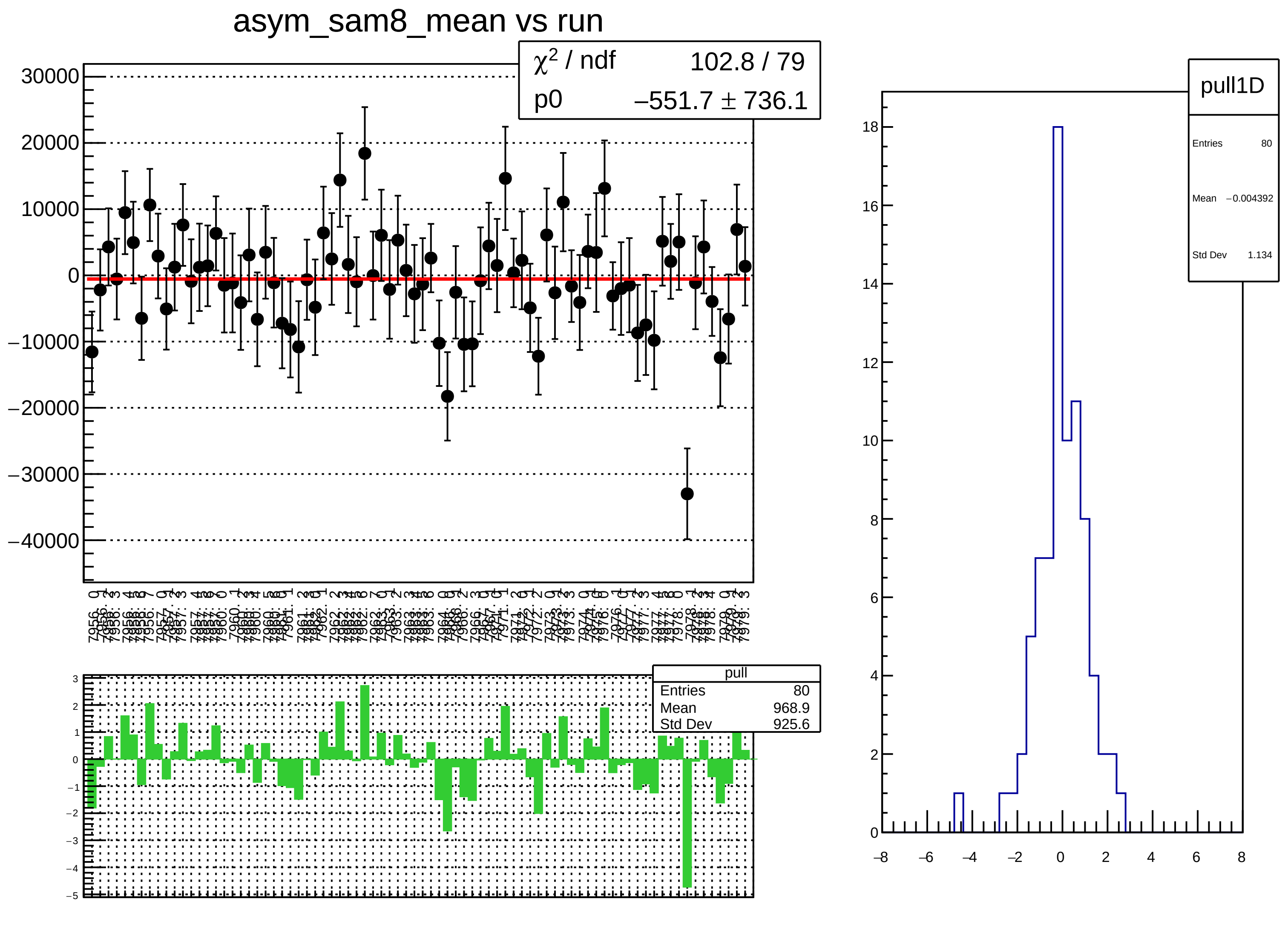
dit_asym_sam8_mean vs run
χ^2 / ndf 85.61 / 79
p0 70.15 ± 101.2
pull
Entries 80
Mean −253
Std Dev 283.4
pull1D
Entries 80
Mean −0.013
Std Dev 1.034


dit_asym_sam8_rms vs run
χ^2 / ndf 1.897e+04 / 79
p0 89.74 ± 0.07155
220
200
180
160
140
120
100
80

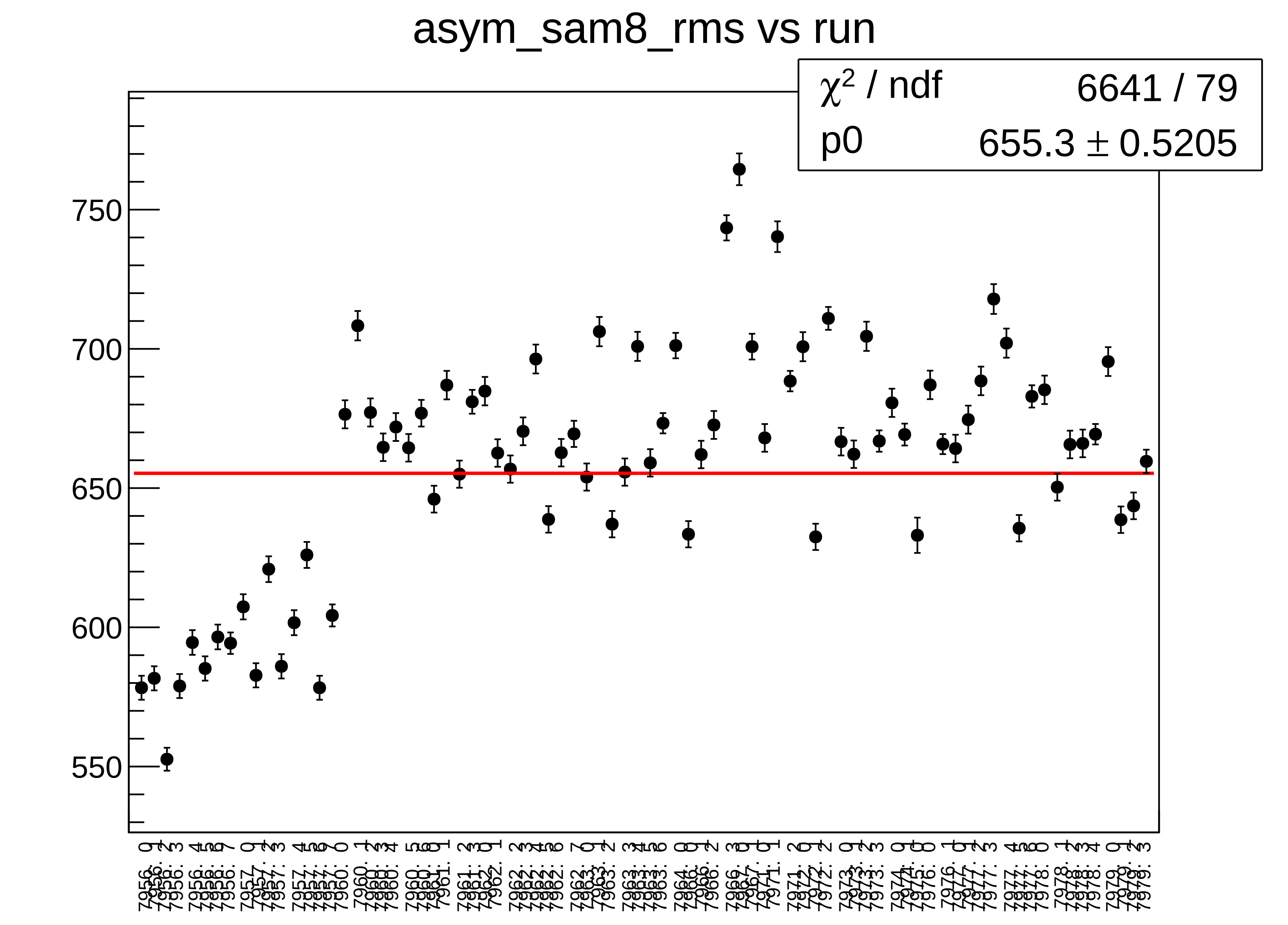


asym_sam8_correction_mean vs run
χ2 / ndf 103.9 / 79
p0 679.7 ± 742.4
pull
Entries 80
Mean −2139
Std Dev 2181
pull1D
Entries 80
Mean −0.002075
Std Dev 1.139

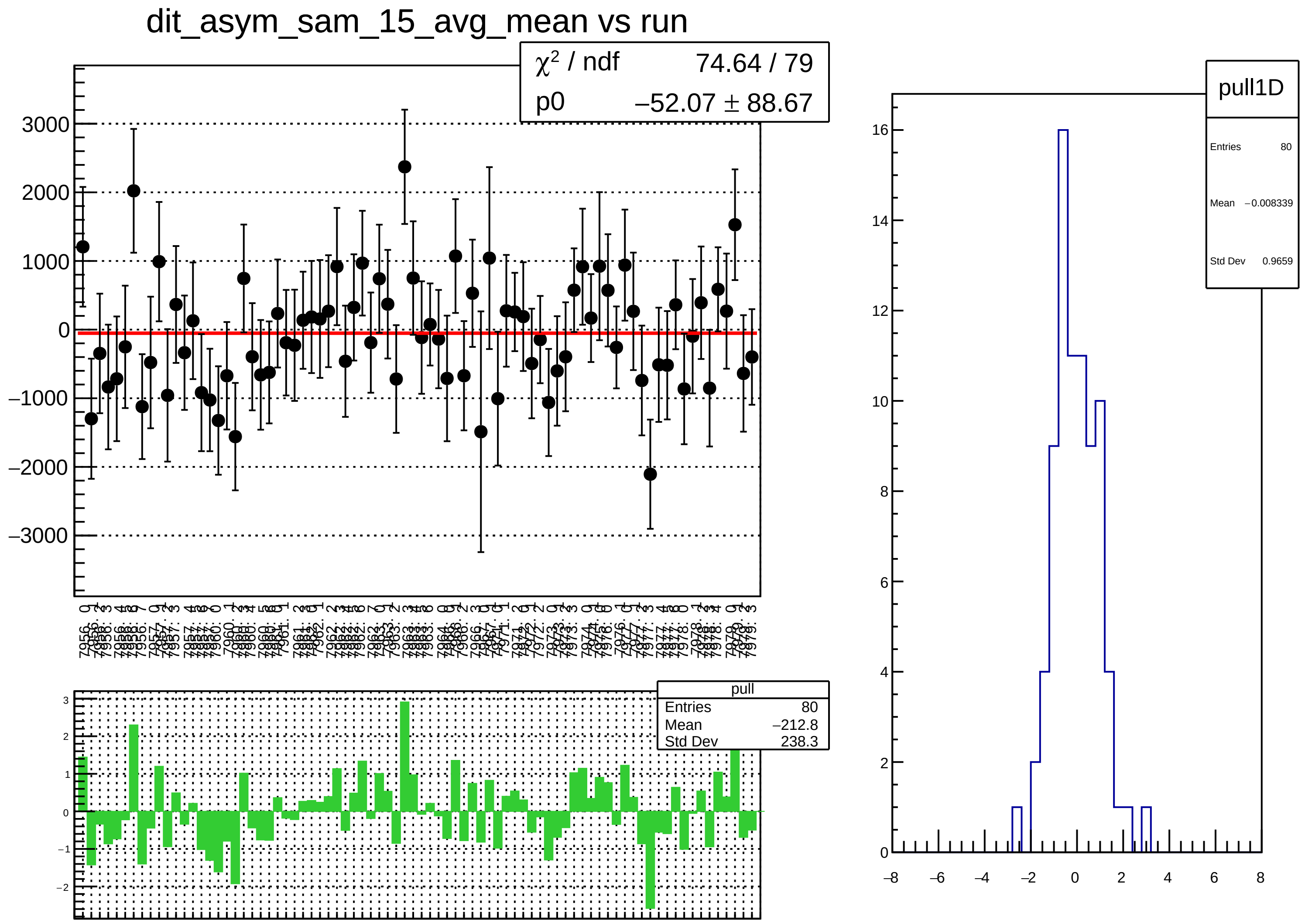

asym_sam8_correction_rms vs run
χ2 / ndf 2425 / 79
p0 661.9 ± 0.525
760
740
720
700
680
660
640
620
600

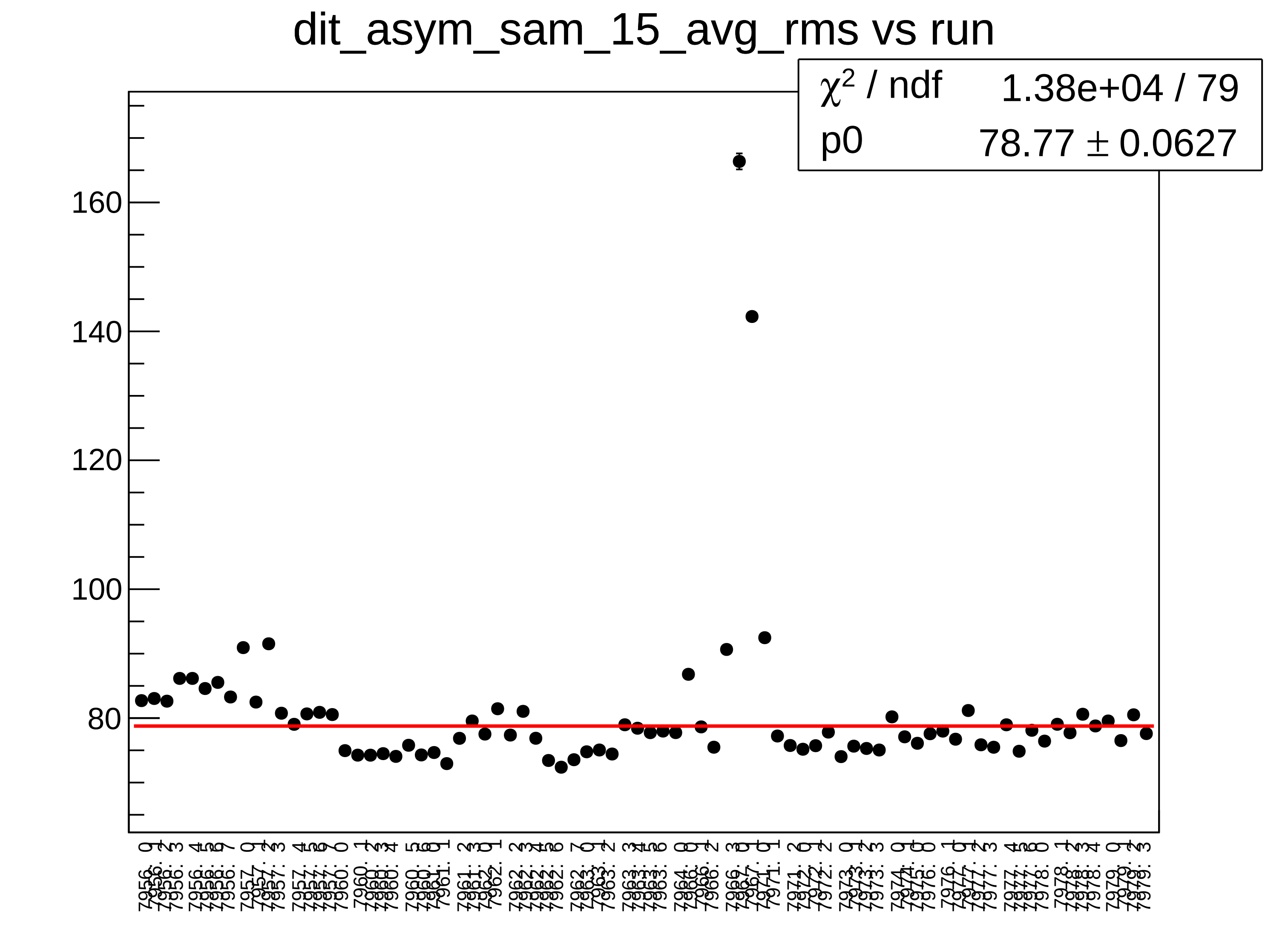


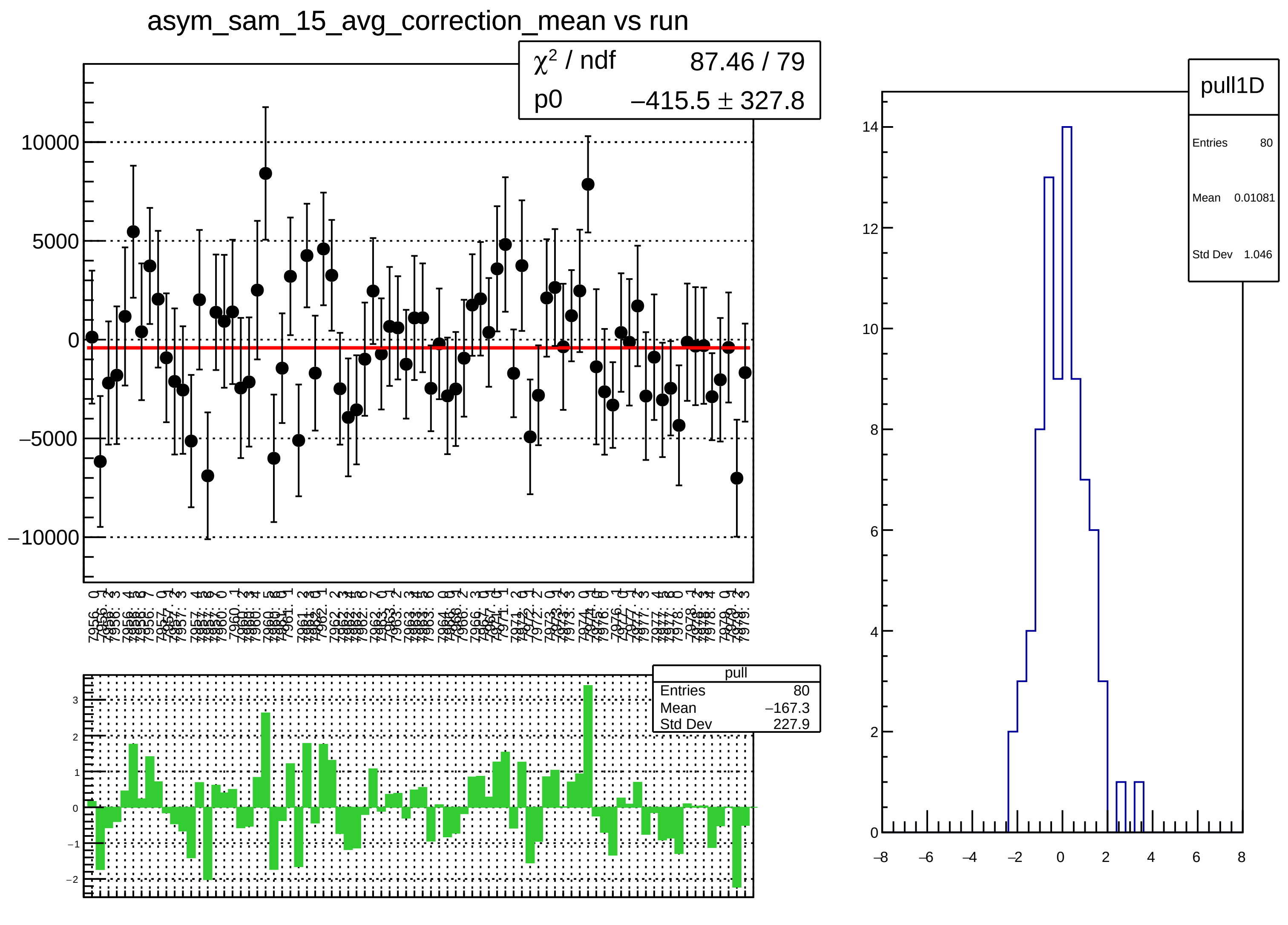
asym_sam8_mean vs run
χ^2 / ndf 102.8 / 79
p0 −551.7 ± 736.1
pull
Entries 80
Mean 968.9
Std Dev 925.6
pull1D
Entries 80
Mean −0.004392
Std Dev 1.134



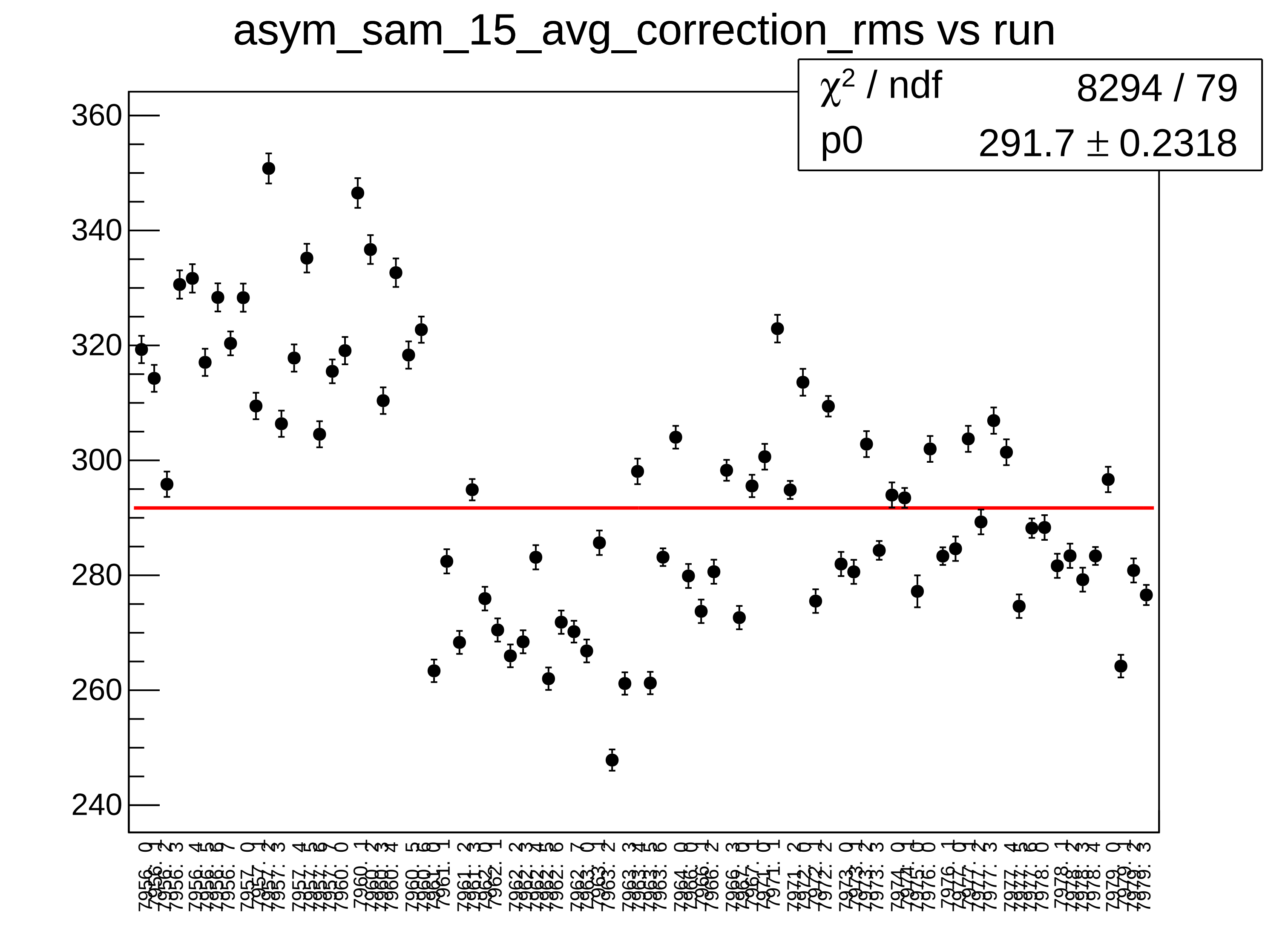
asym_sam8_rms vs run
χ² / ndf 6641 / 79
p0 655.3 ± 0.5205
750
700
650
600
550


dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 74.64 / 79
p0 −52.07 ± 88.67
pull
Entries 80
Mean −212.8
Std Dev 238.3
pull1D
Entries 80
Mean −0.008339
Std Dev 0.9659

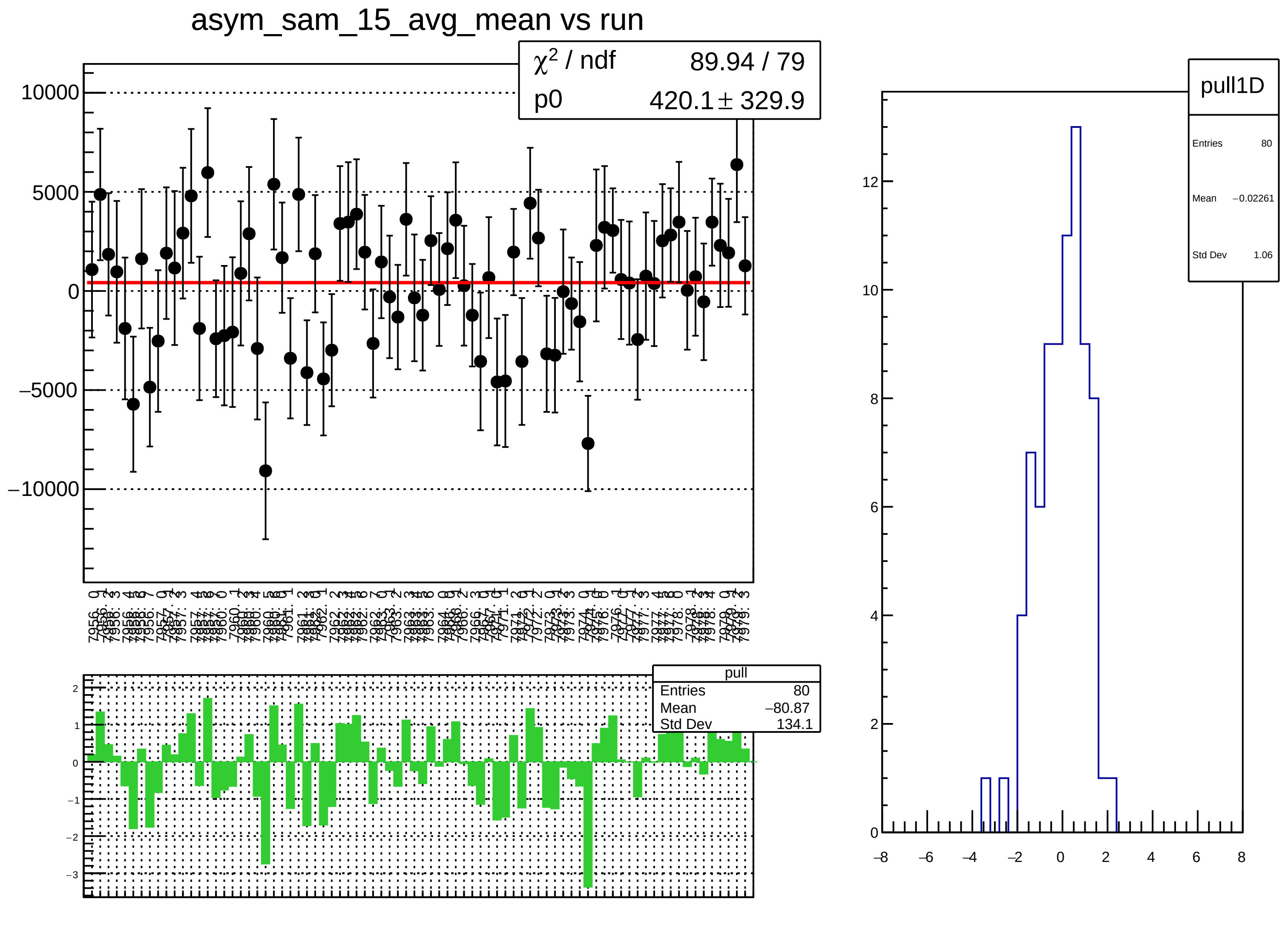

dit_asym_sam_15_avg_rms vs run
χ2 / ndf 1.38e+04 / 79
p0 78.77 ± 0.0627
160
140
120
100
80



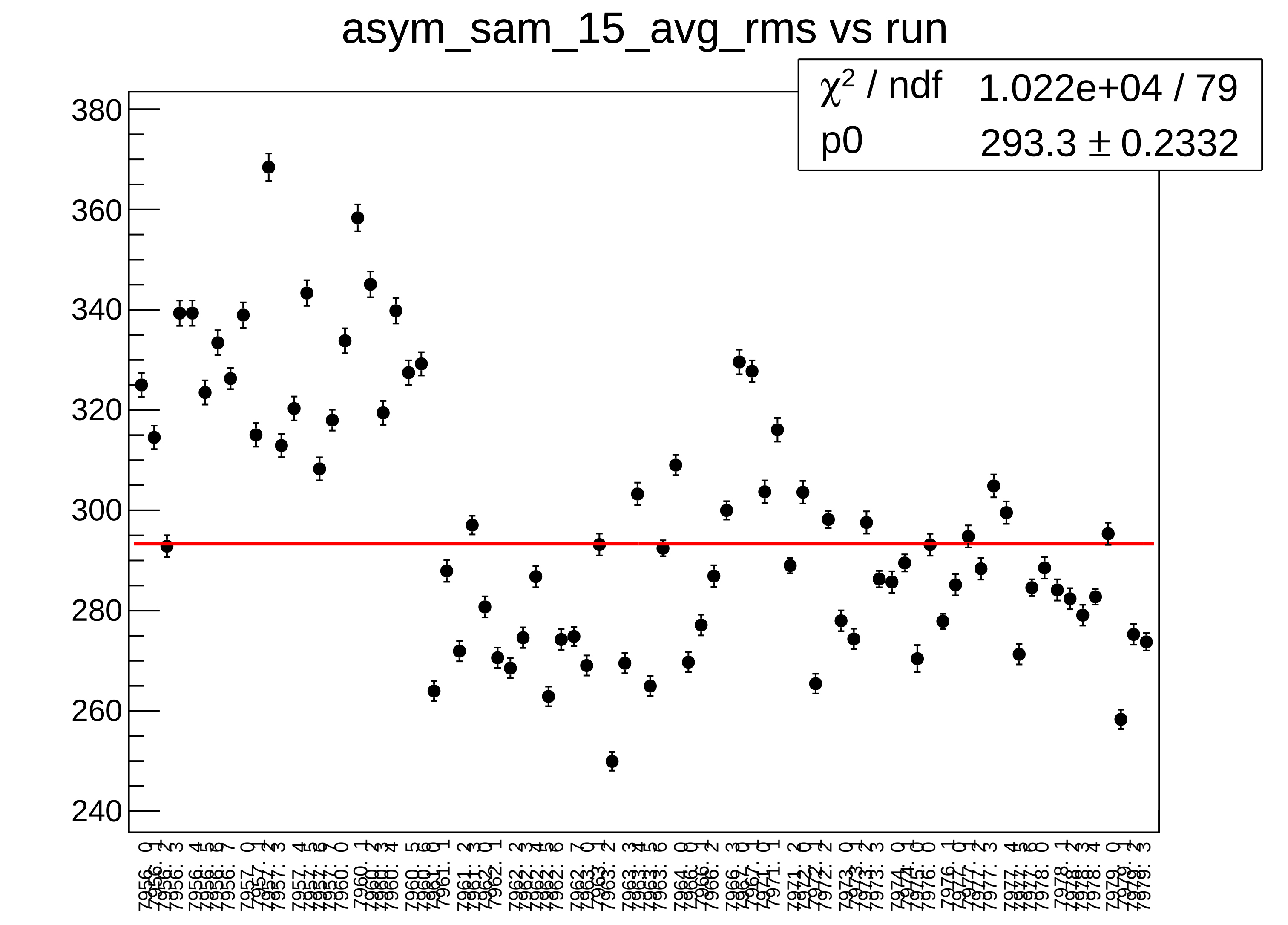
asym_sam_15_avg_correction_mean vs run
χ2 / ndf 87.46 / 79
p0 −415.5 ± 327.8
pull
Entries 80
Mean −167.3
Std Dev 227.9
pull1D
Entries 80
Mean 0.01081
Std Dev 1.046

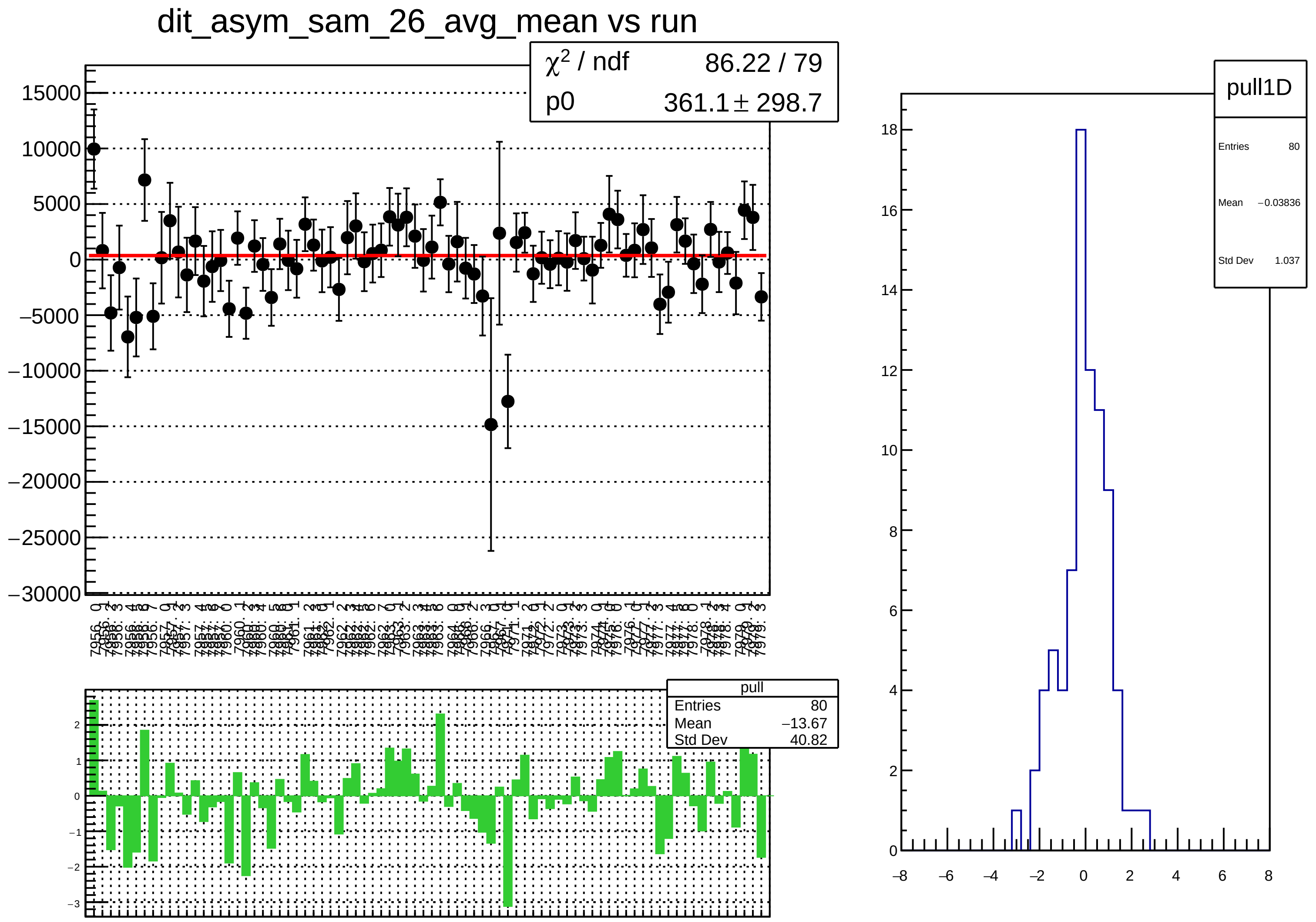


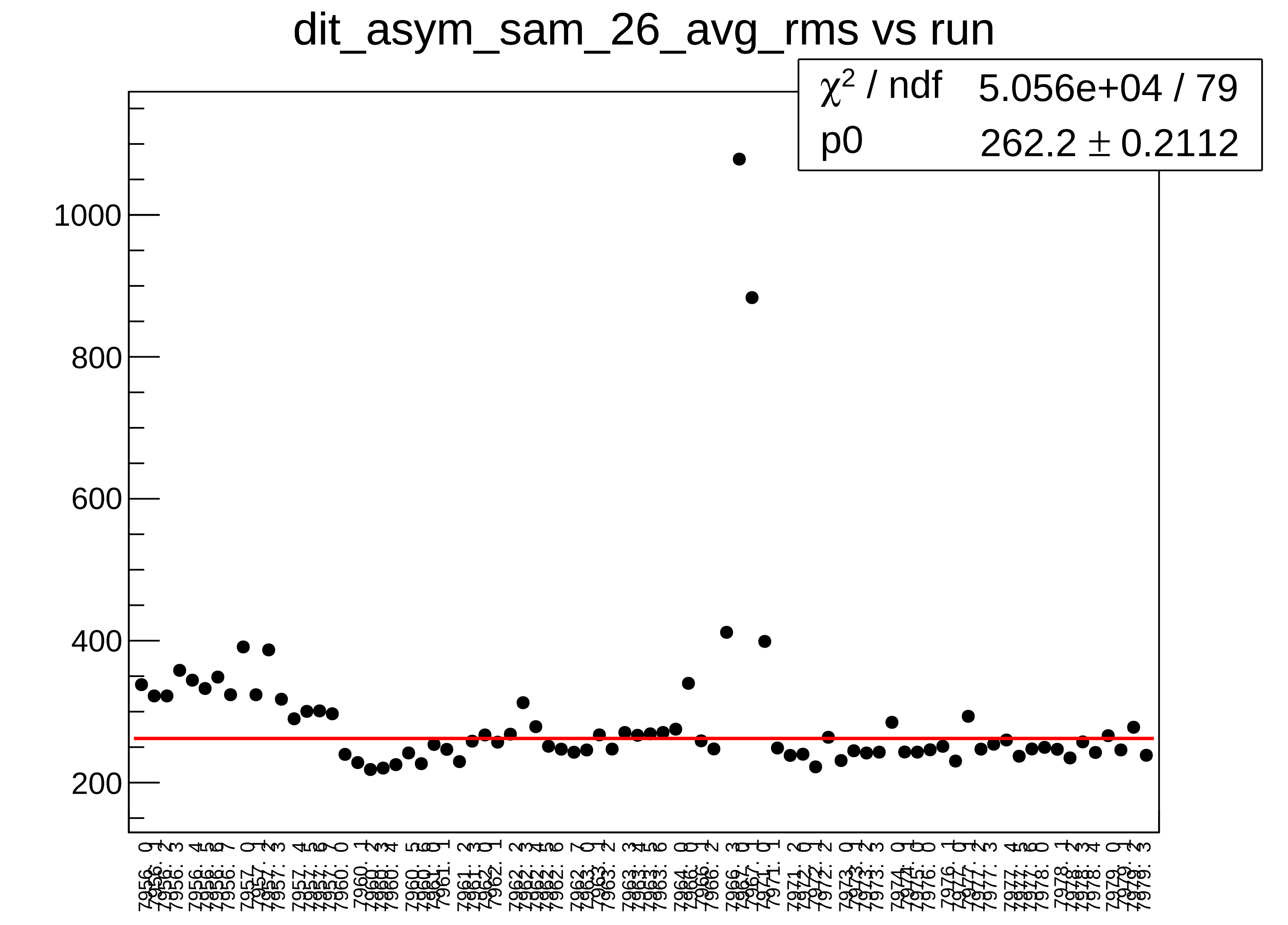
asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 8294 / 79
p0 291.7 ± 0.2318
360
340
320
300
280
260
240

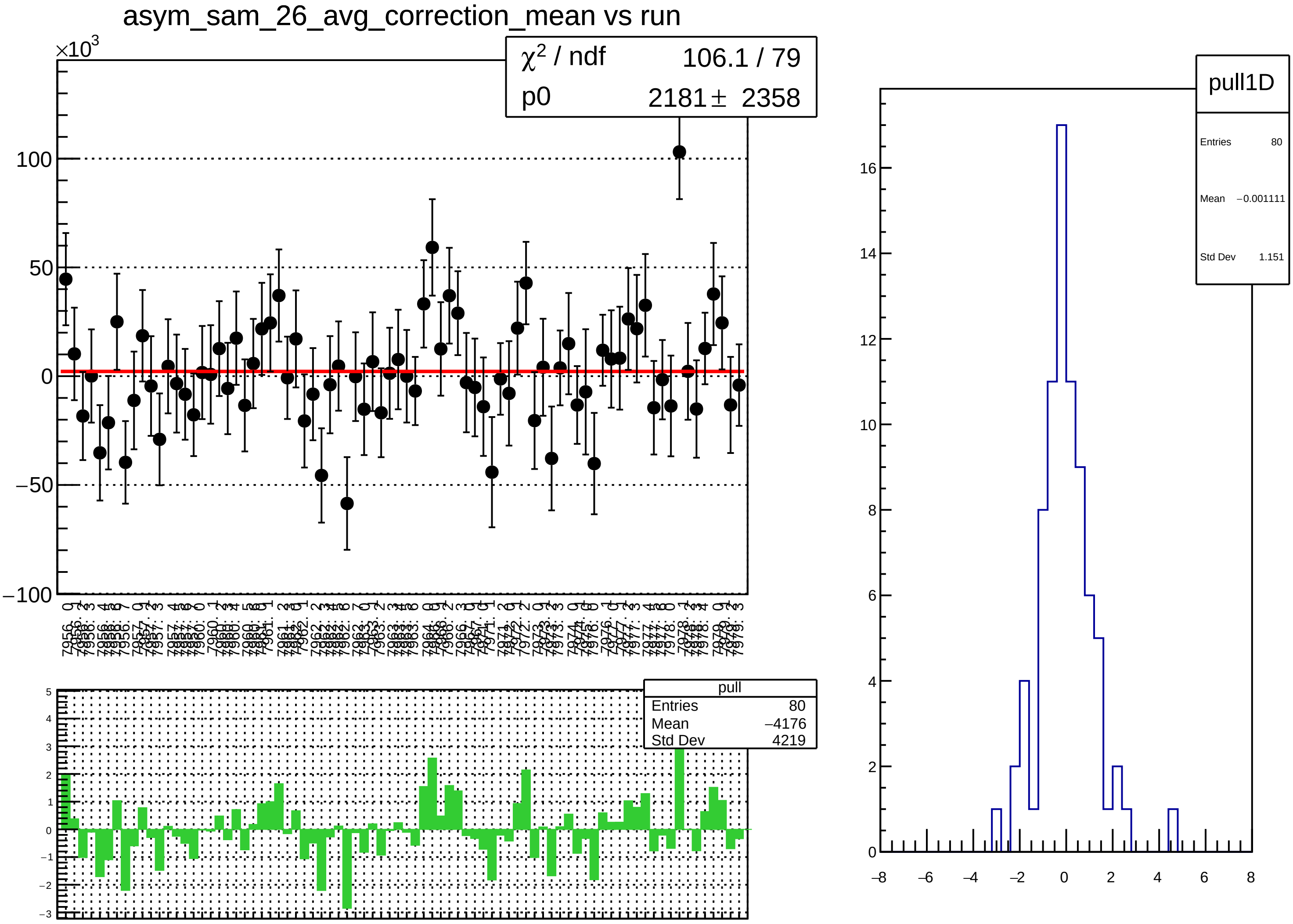


asym_sam_15_avg_mean vs run
χ^2 / ndf 89.94 / 79
p0 420.1 ± 329.9
10000
5000
0
−5000
−10000
pull
Entries 80
Mean −80.87
Std Dev 134.1
pull1D
Entries 80
Mean −0.02261
Std Dev 1.06

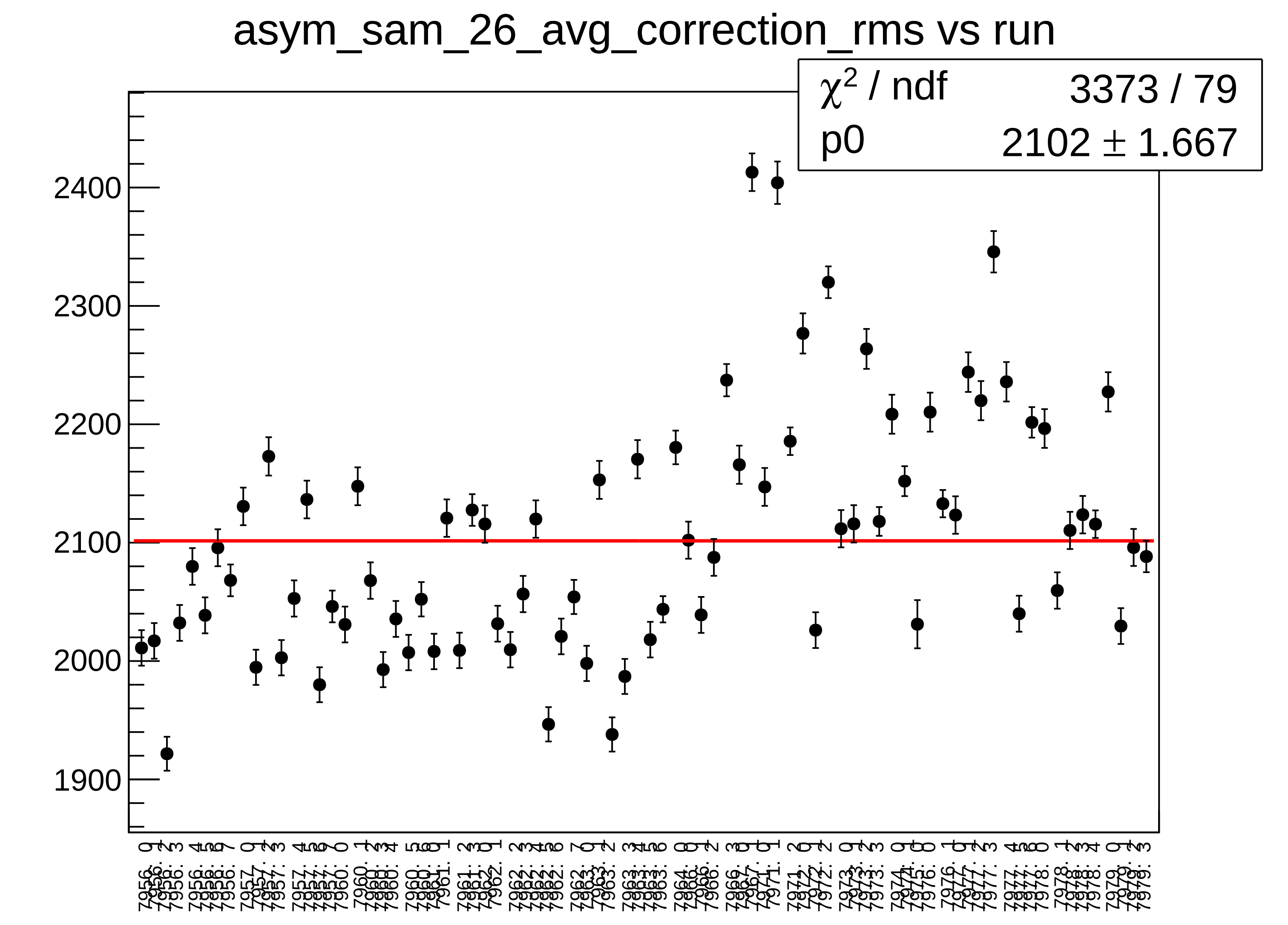

asym_sam_15_avg_rms vs run
χ2 / ndf 1.022e+04 / 79
p0 293.3 ± 0.2332
380
360
340
320
300
280
260
240


dit_asym_sam_26_avg_mean vs run
χ2 / ndf 86.22 / 79
p0 361.1 ± 298.7
pull
Entries 80
Mean −13.67
Std Dev 40.82
pull1D
Entries 80
Mean −0.03836
Std Dev 1.037

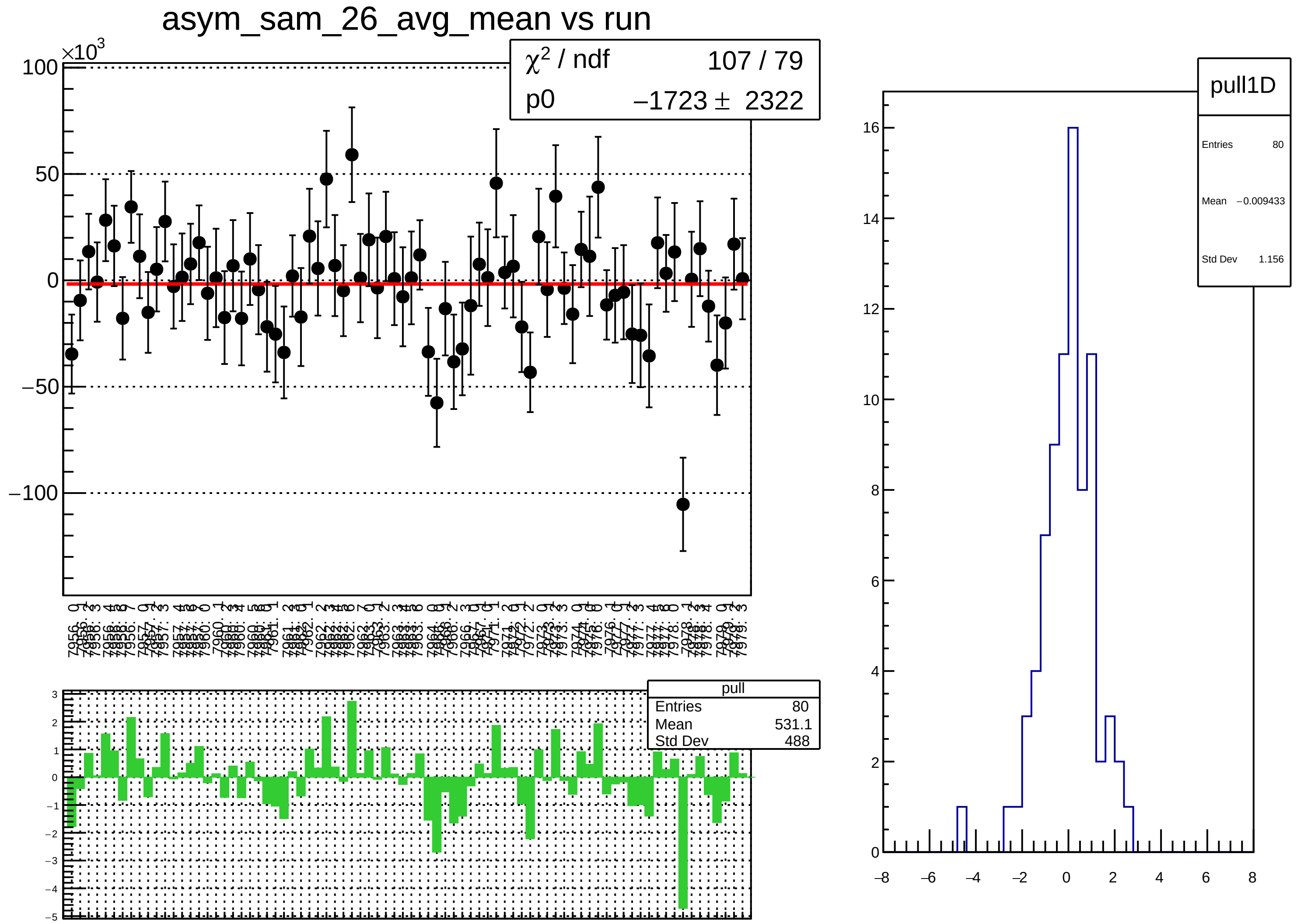

dit_asym_sam_26_avg_rms vs run
χ2 / ndf 5.056e+04 / 79
p0 262.2 ± 0.2112
1000
800
600
400
200



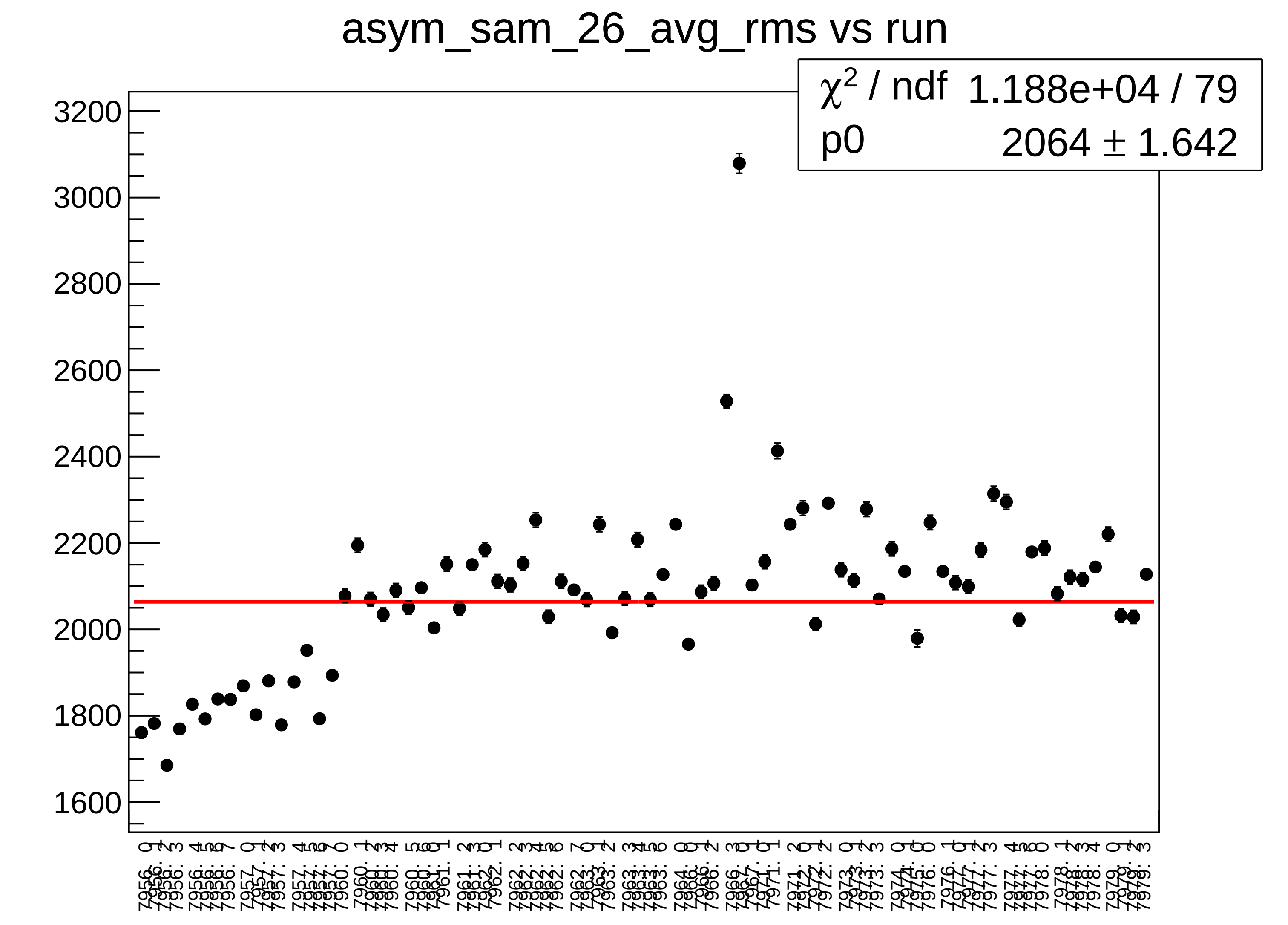
asym_sam_26_avg_correction_mean vs run
×10^3
χ2 / ndf 106.1 / 79
p0 2181 ± 2358
pull
Entries 80
Mean −4176
Std Dev 4219
pull1D
Entries 80
Mean −0.001111
Std Dev 1.151

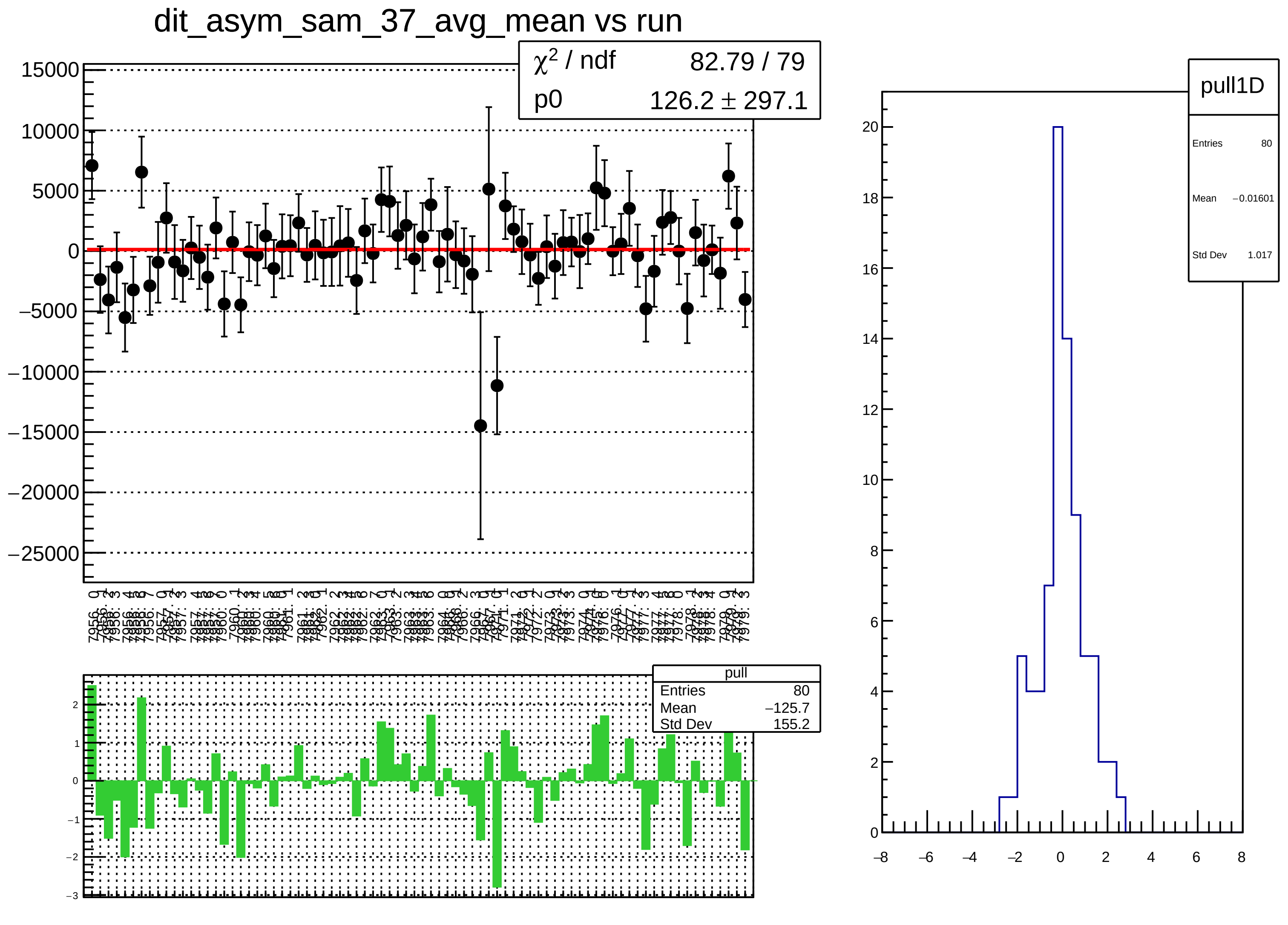


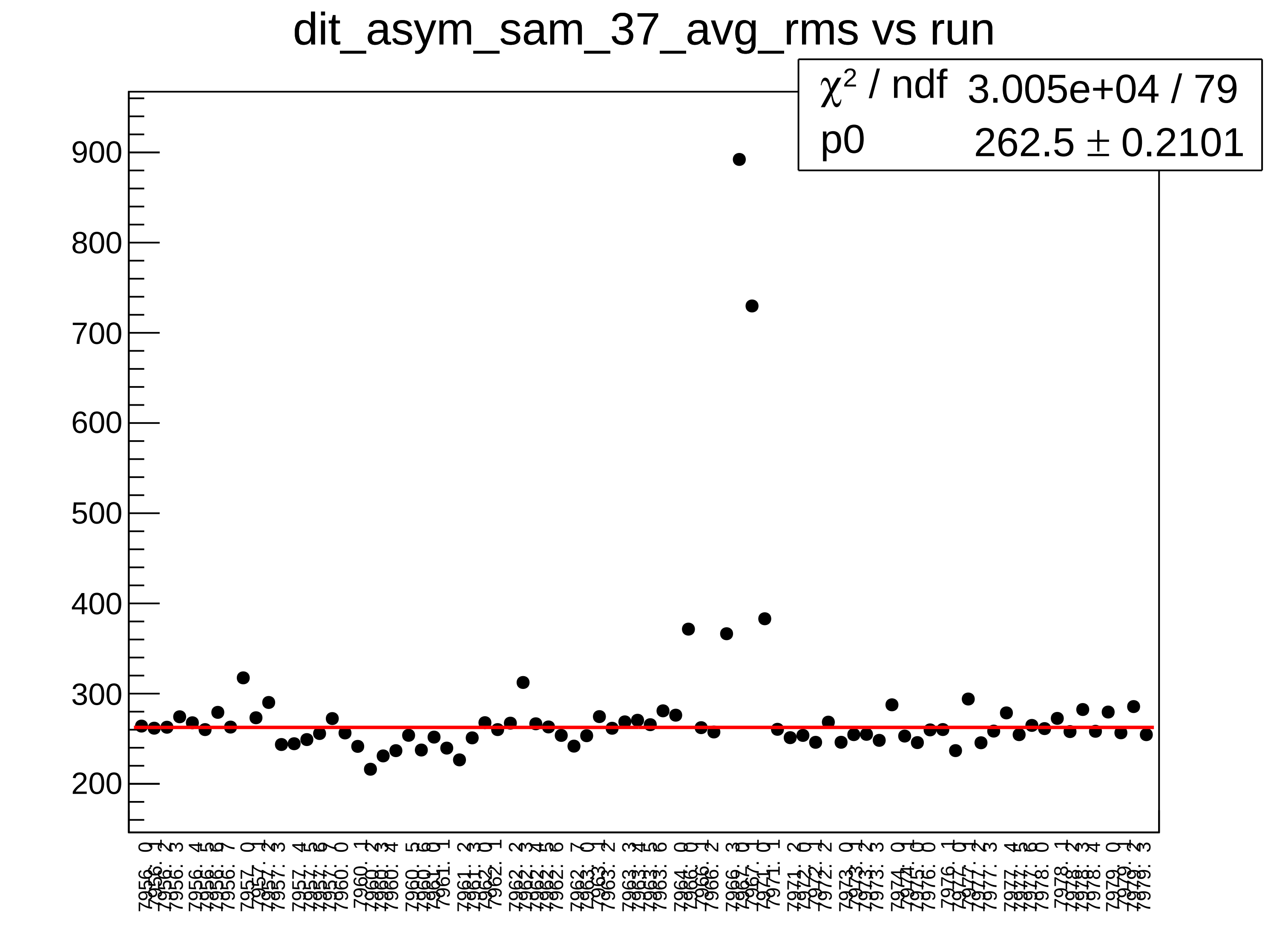
asym_sam_26_avg_correction_rms vs run
χ2 / ndf 3373 / 79
p0 2102 ± 1.667
2400
2300
2200
2100
2000
1900



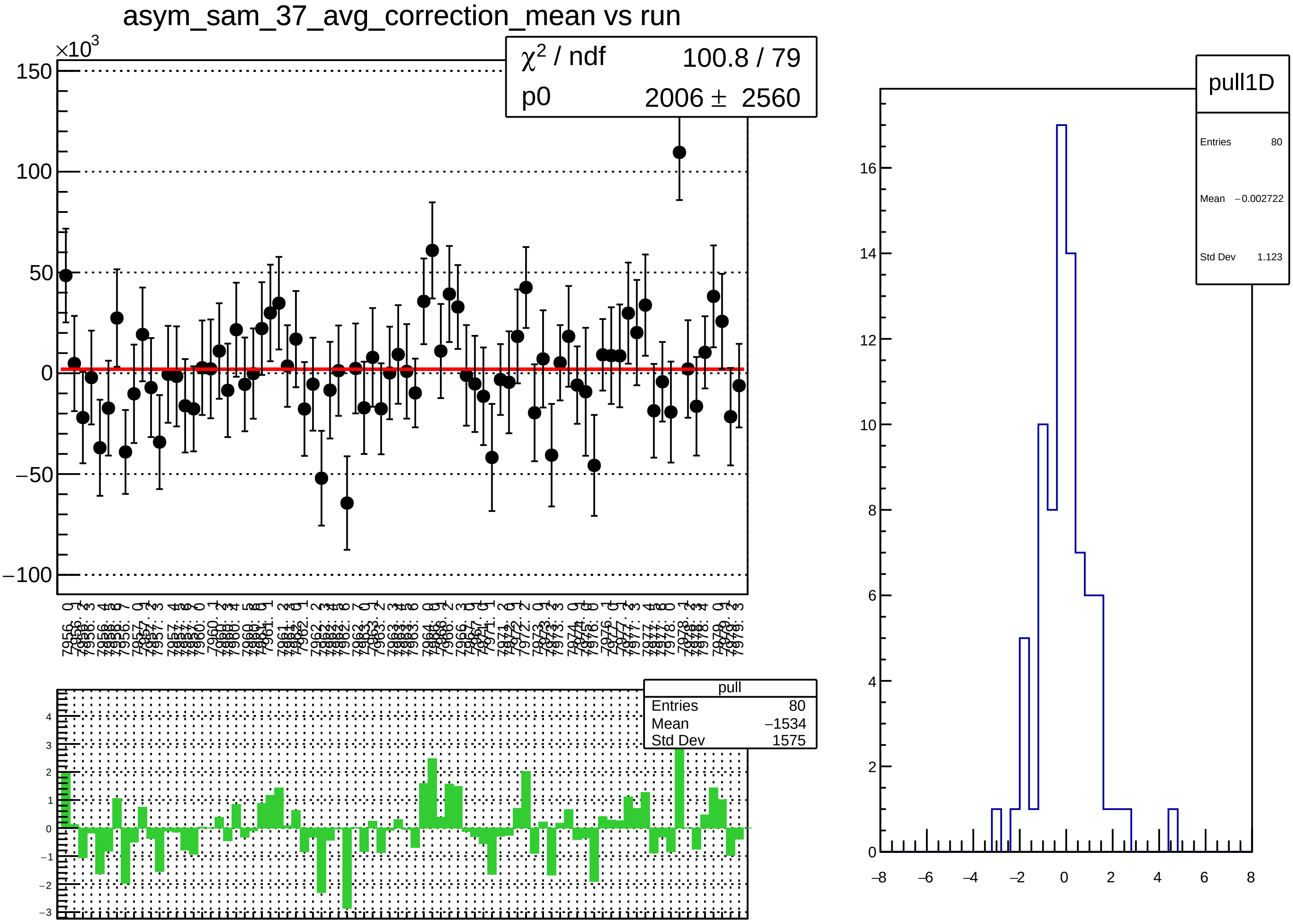
asym_sam_26_avg_mean vs run
χ^2 / ndf 107 / 79
p0 −1723 ± 2322
×10³
100
50
0
−50
−100
pull
Entries 80
Mean 531.1
Std Dev 488
pull1D
Entries 80
Mean −0.009433
Std Dev 1.156

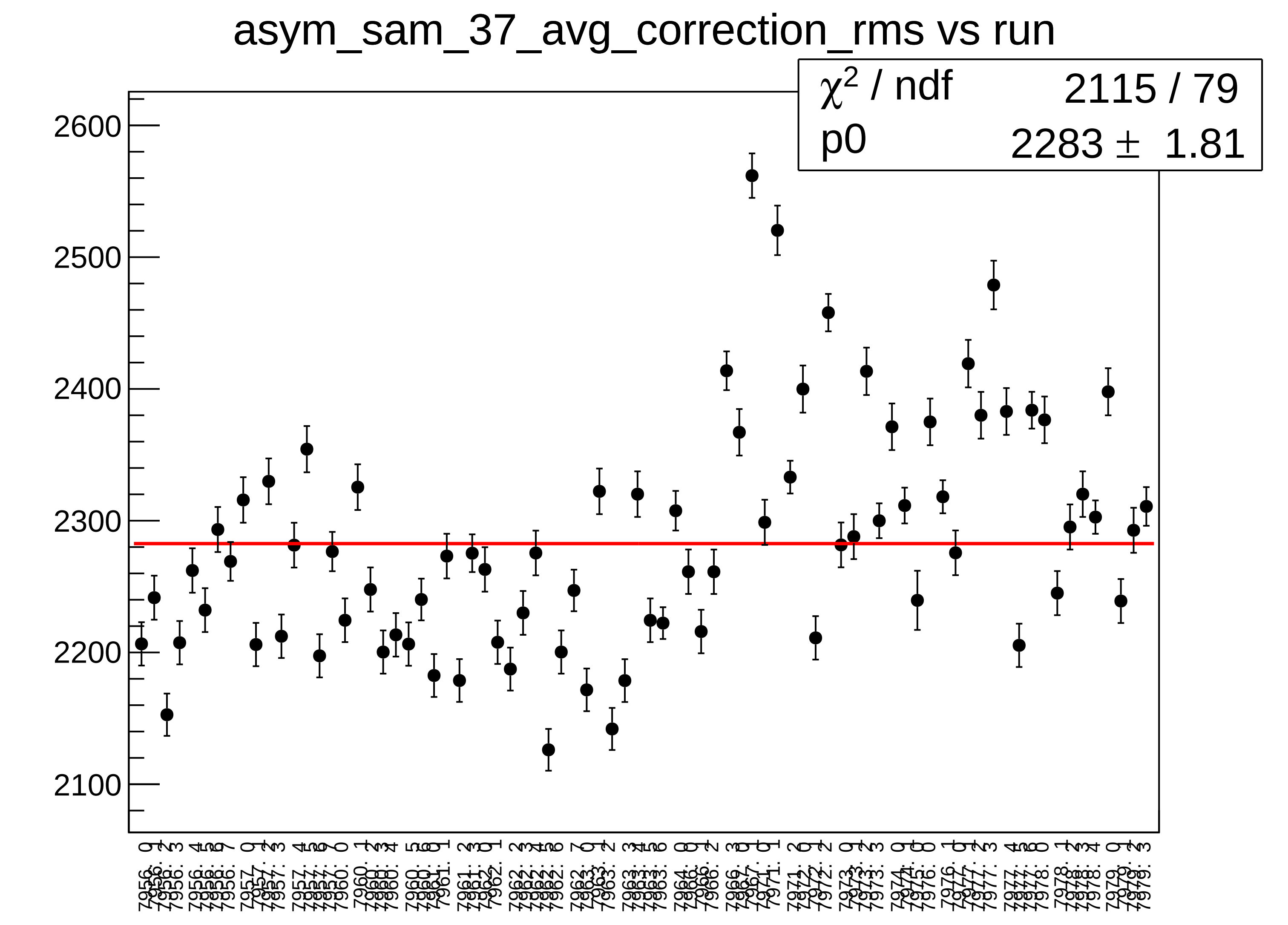

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.188e+04 / 79
p0 2064 ± 1.642
3200
3000
2800
2600
2400
2200
2000
1800
1600


dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 82.79 / 79
p0 126.2 ± 297.1
pull
Entries 80
Mean −125.7
Std Dev 155.2
pull1D
Entries 80
Mean −0.01601
Std Dev 1.017

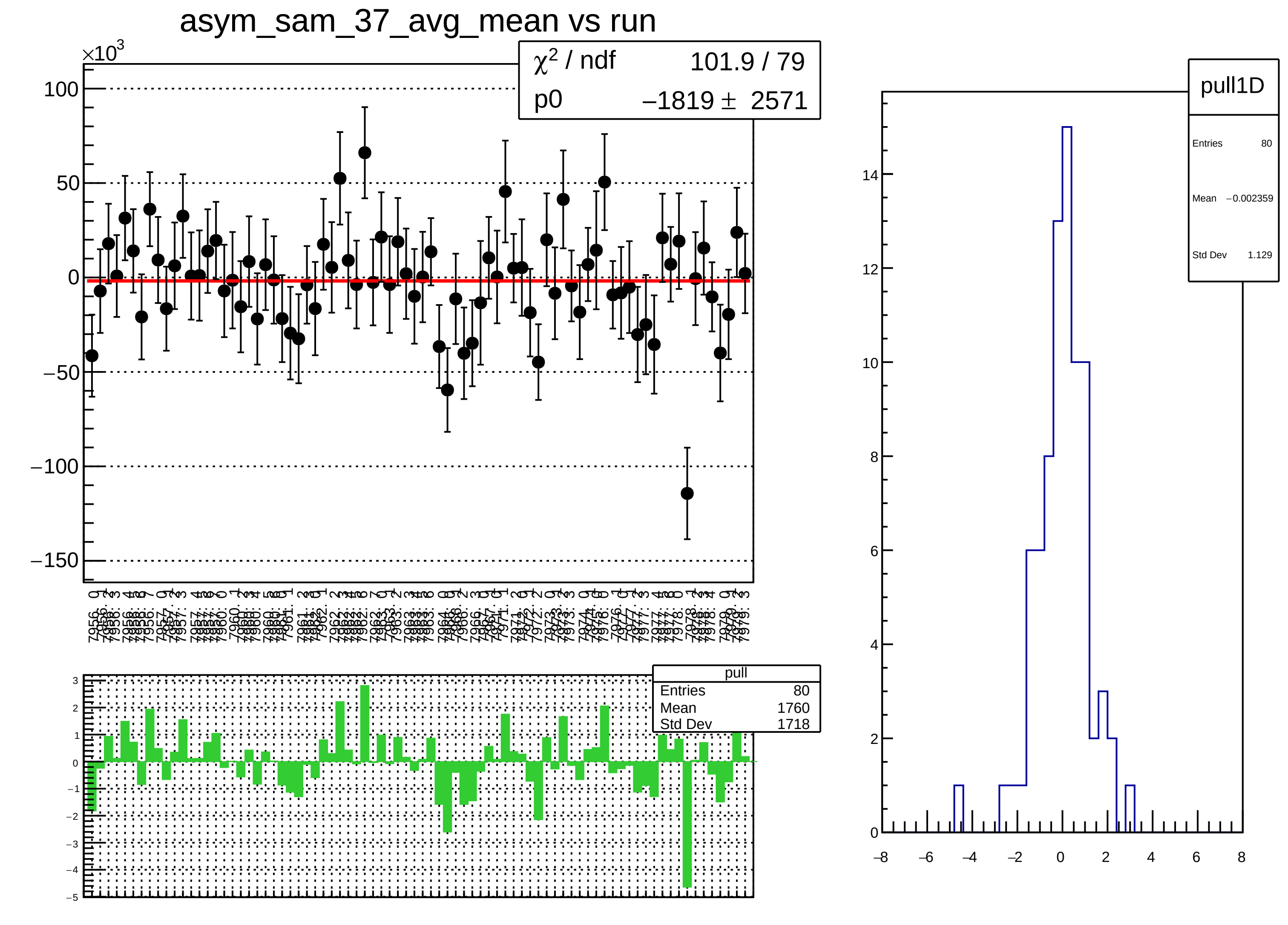


dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.005e+04 / 79
p0 262.5 ± 0.2101
900
800
700
600
500
400
300
200

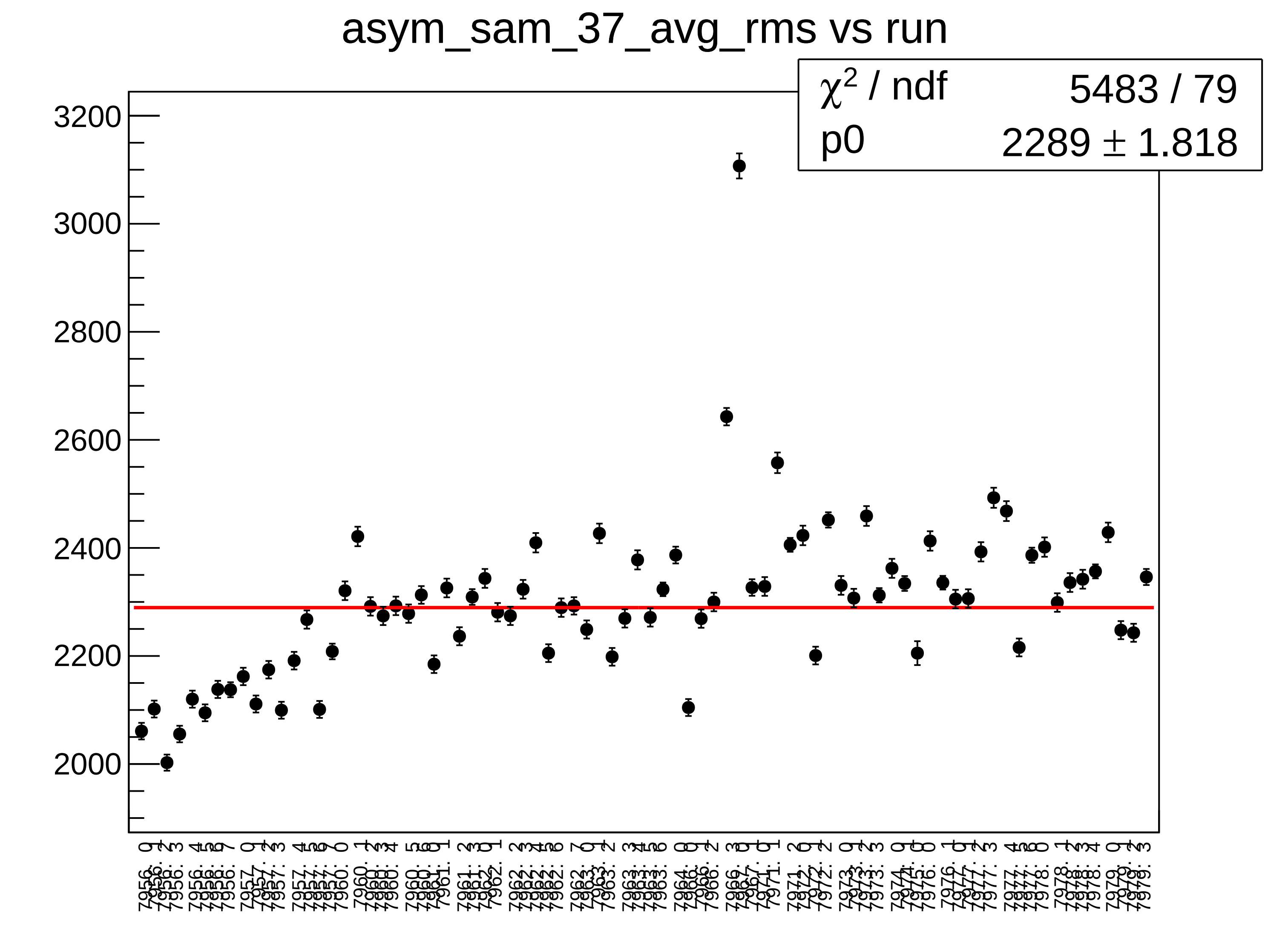

asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 100.8 / 79
p0 2006 ± 2560
×10³
pull
Entries 80
Mean −1534
Std Dev 1575
pull1D
Entries 80
Mean −0.002722
Std Dev 1.123



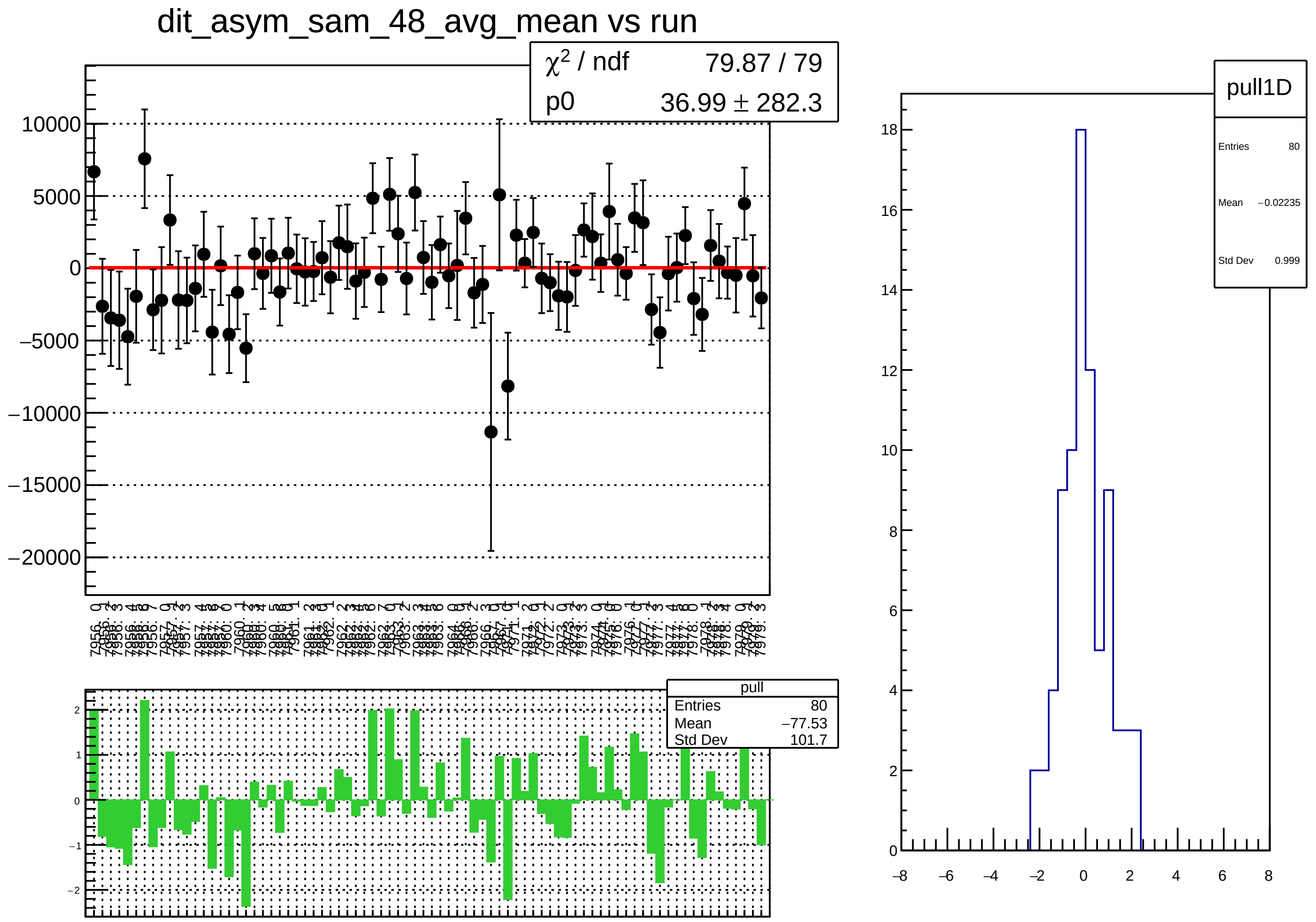
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 2115 / 79
p0 2283 ± 1.81
2600
2500
2400
2300
2200
2100



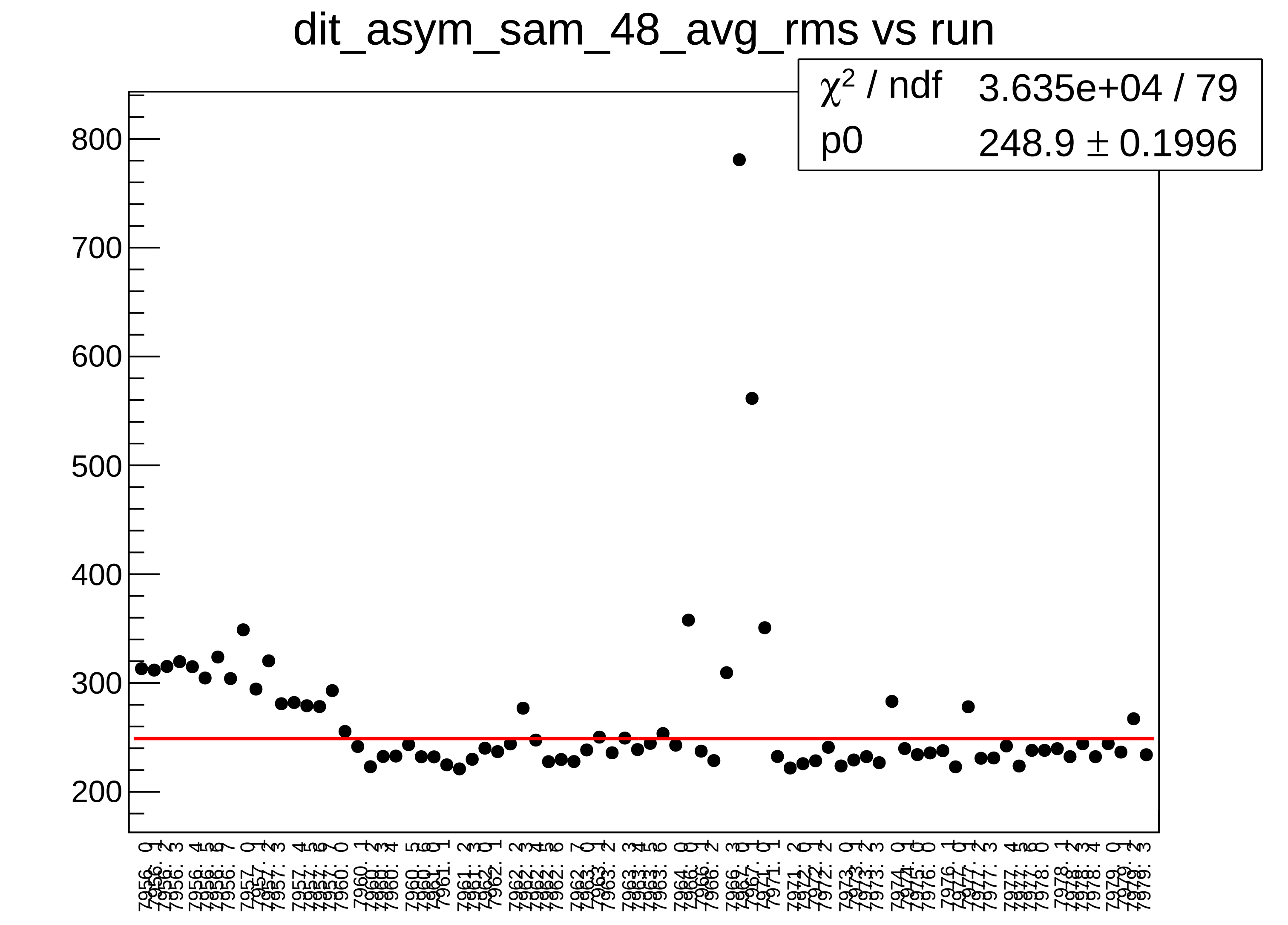
asym_sam_37_avg_mean vs run
$\times10^{3}$
χ^2 / ndf 101.9 / 79
p0 −1819 ± 2571
100
50
0
−50
−100
−150
pull
Entries 80
Mean 1760
Std Dev 1718
pull1D
Entries 80
Mean −0.002359
Std Dev 1.129

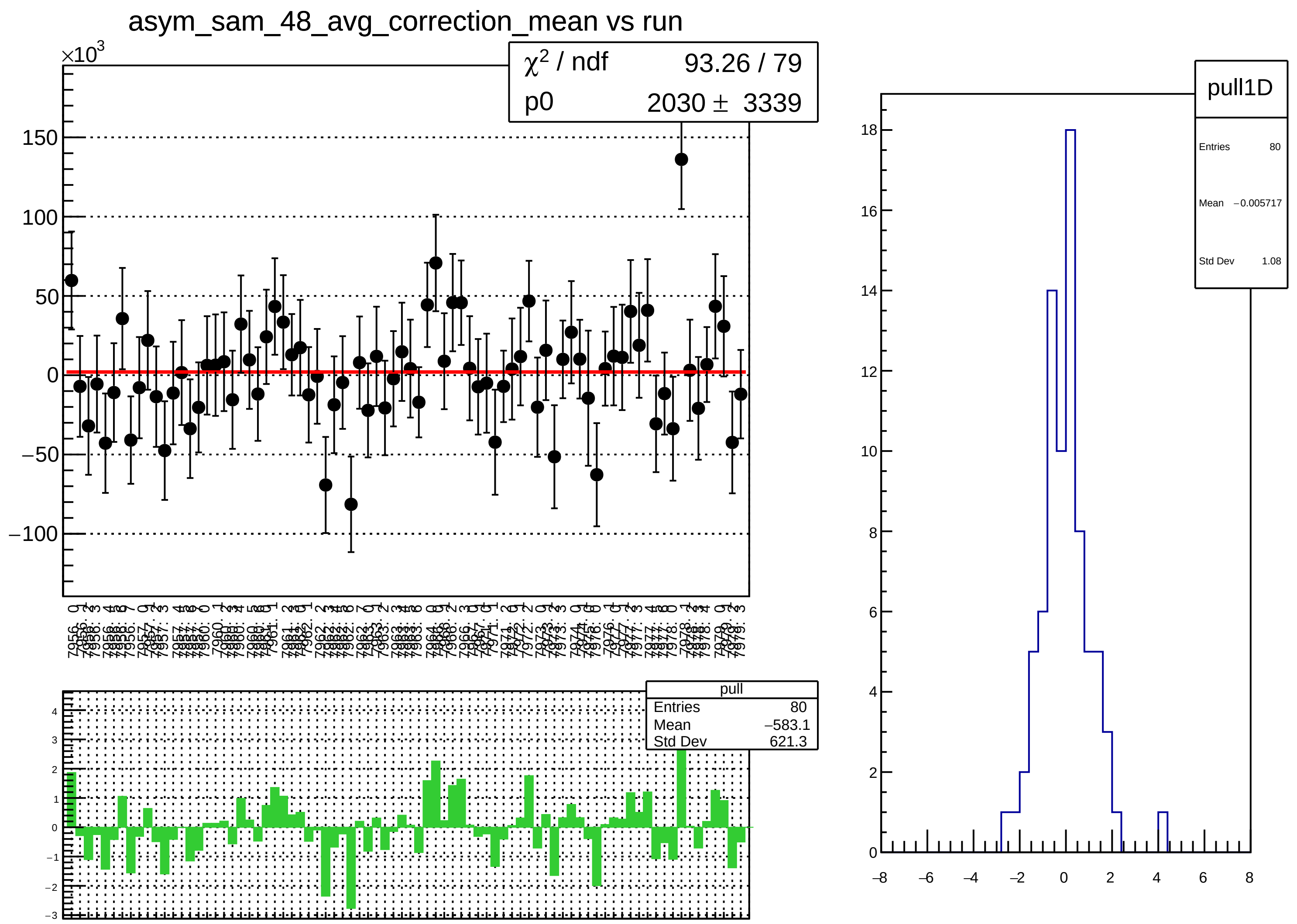


asym_sam_37_avg_rms vs run
χ2 / ndf 5483 / 79
p0 2289 ± 1.818

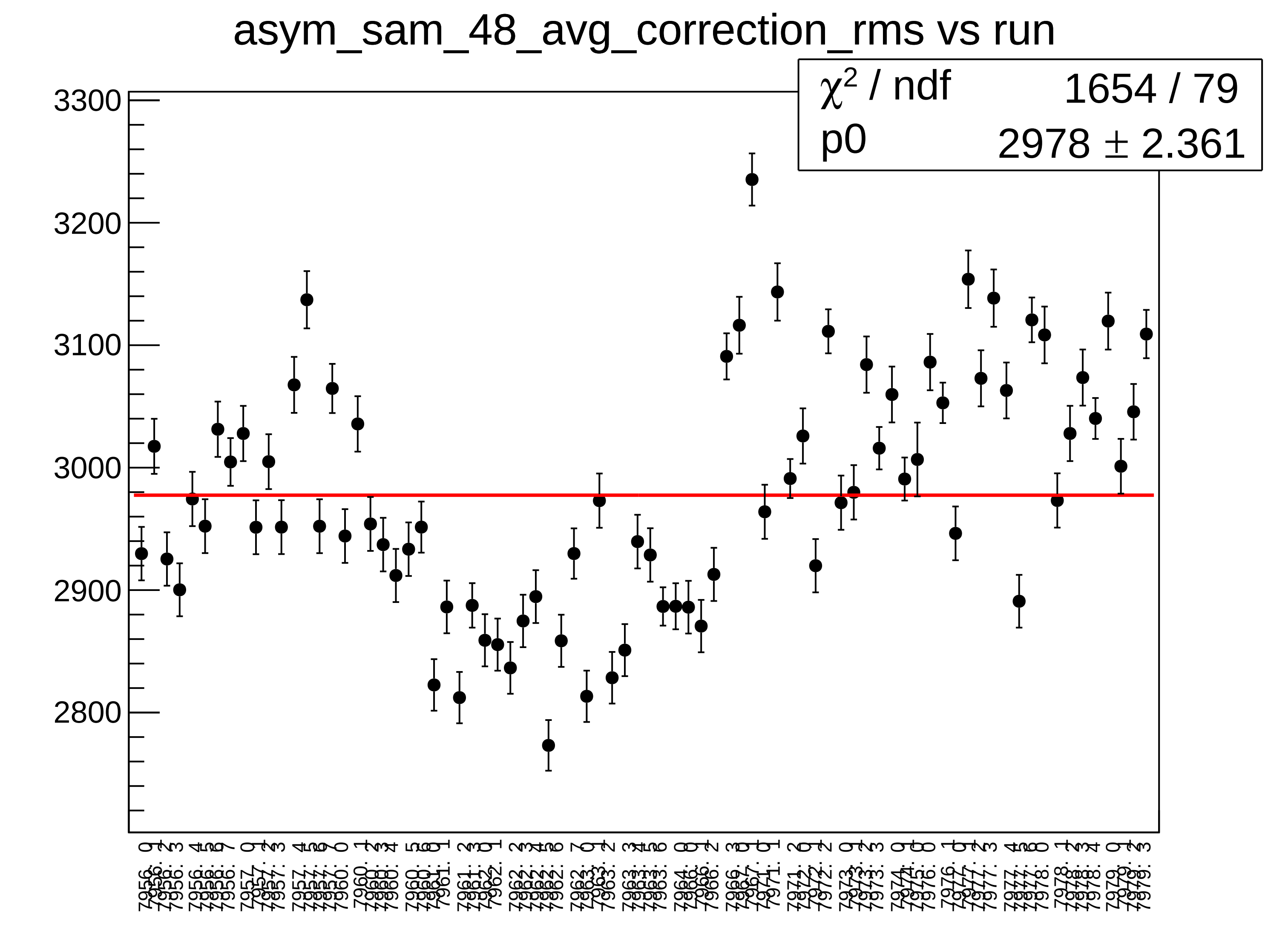


dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 79.87 / 79
p0 36.99 ± 282.3
pull
Entries 80
Mean −77.53
Std Dev 101.7
pull1D
Entries 80
Mean −0.02235
Std Dev 0.999

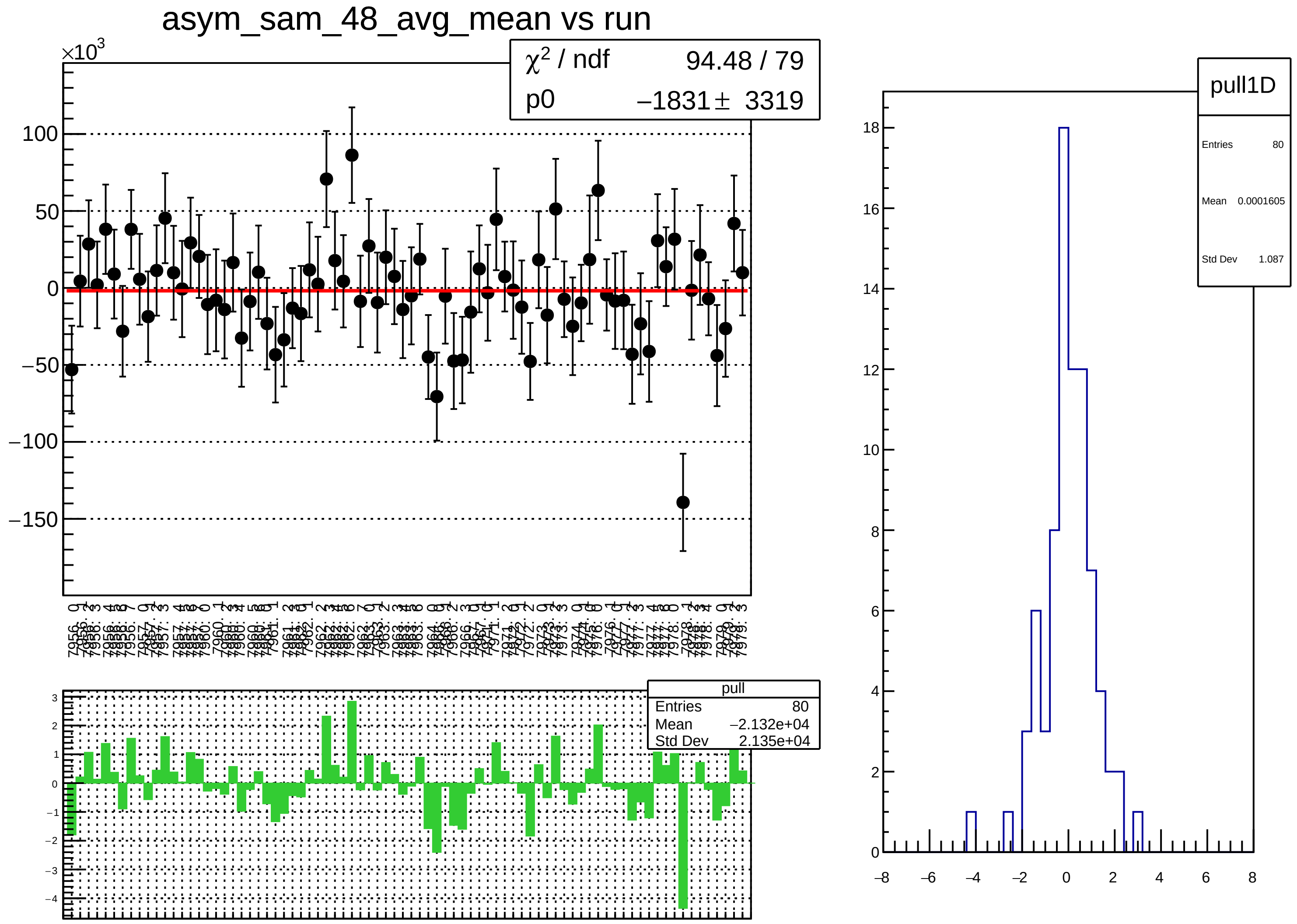

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.635e+04 / 79
p0 248.9 ± 0.1996
800
700
600
500
400
300
200



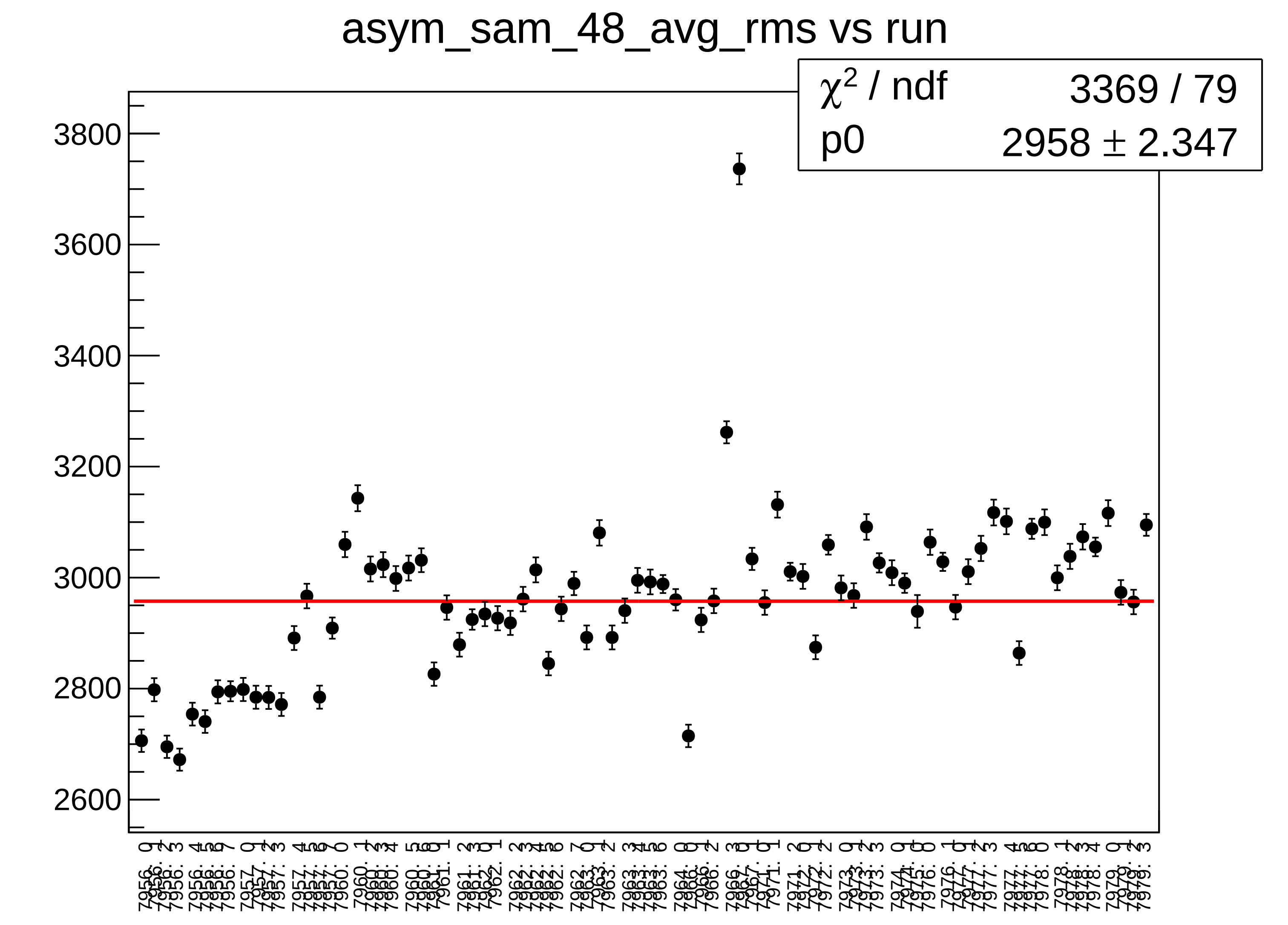
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 93.26 / 79
p0 2030 ± 3339
pull
Entries 80
Mean −583.1
Std Dev 621.3
pull1D
Entries 80
Mean −0.005717
Std Dev 1.08



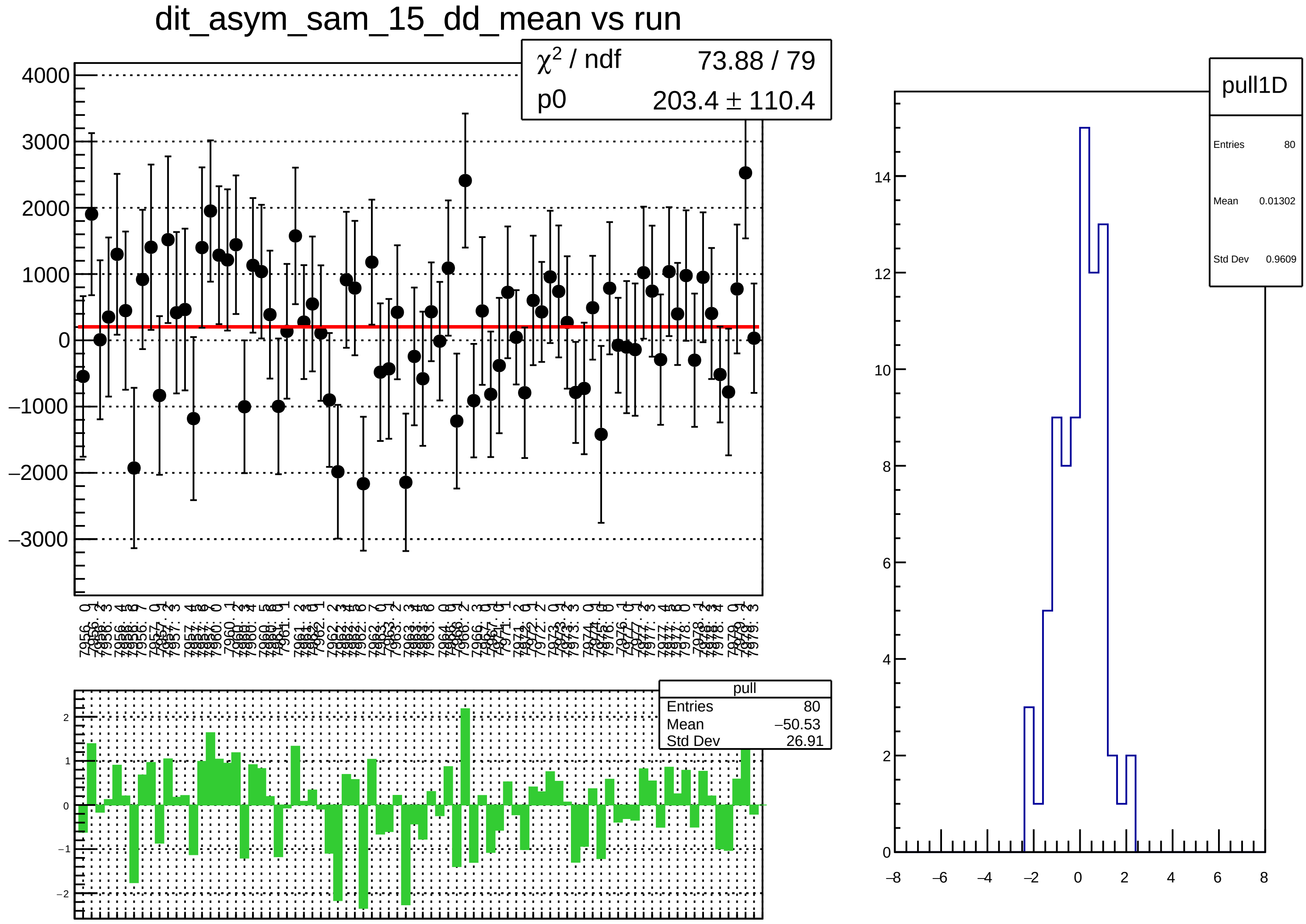
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 1654 / 79
p0 2978 ± 2.361
3300
3200
3100
3000
2900
2800

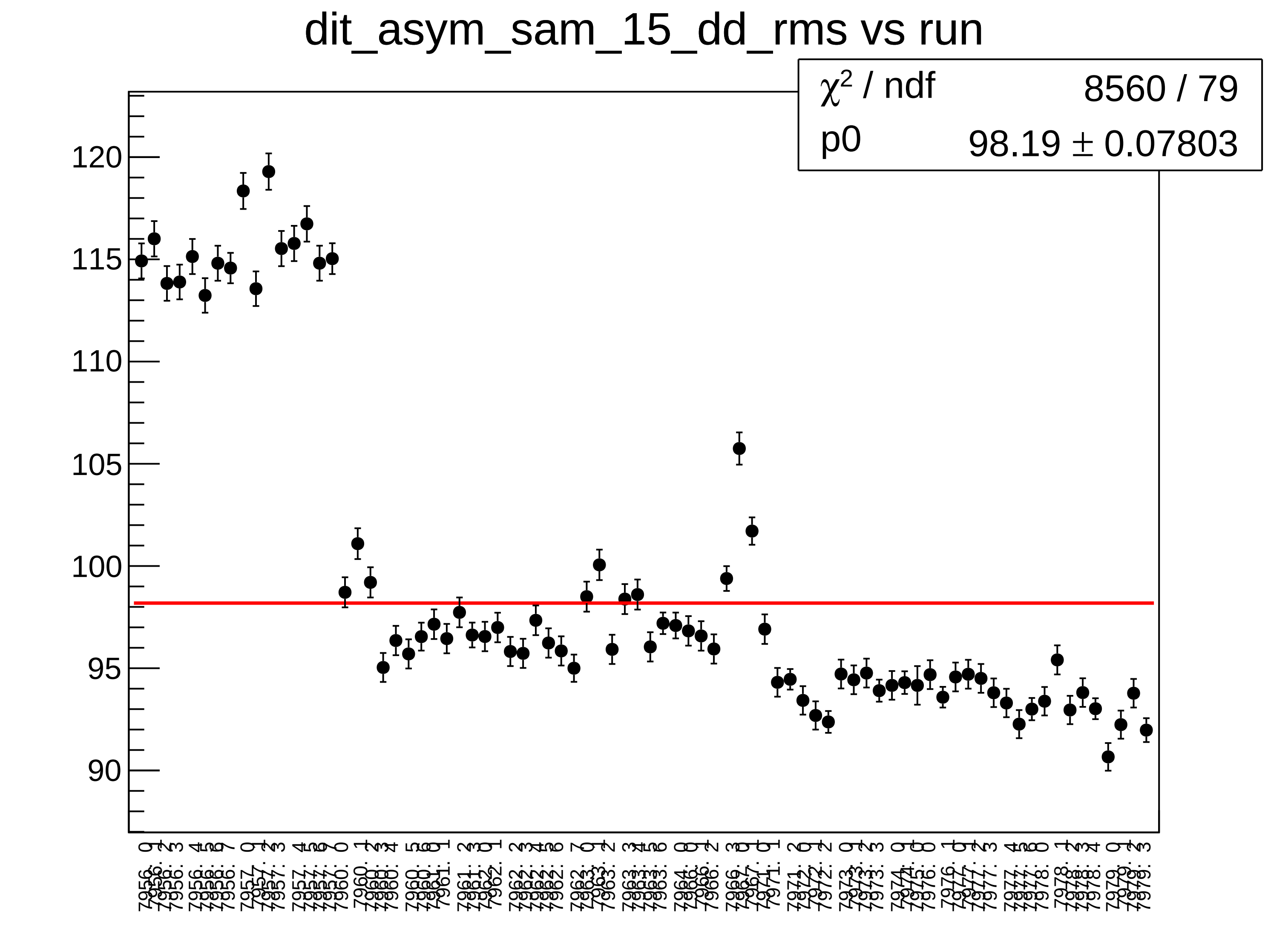


asym_sam_48_avg_mean vs run
χ^2 / ndf 94.48 / 79
p0 −1831 ± 3319
×10^3
100
50
0
−50
−100
−150
pull
Entries 80
Mean −2.132e+04
Std Dev 2.135e+04
pull1D
Entries 80
Mean 0.0001605
Std Dev 1.087

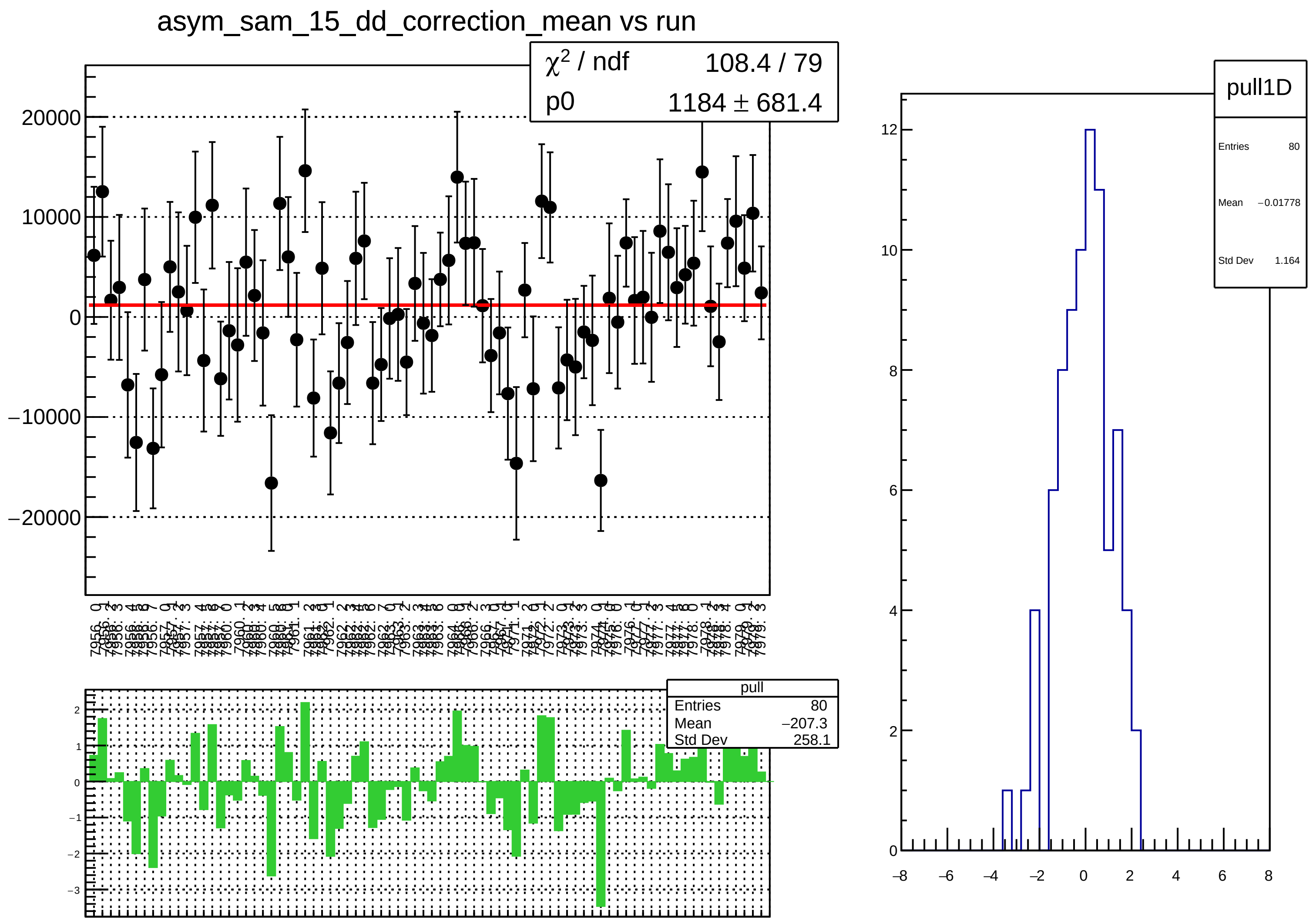


asym_sam_48_avg_rms vs run
χ^2 / ndf 3369 / 79
p0 2958 ± 2.347
3800
3600
3400
3200
3000
2800
2600

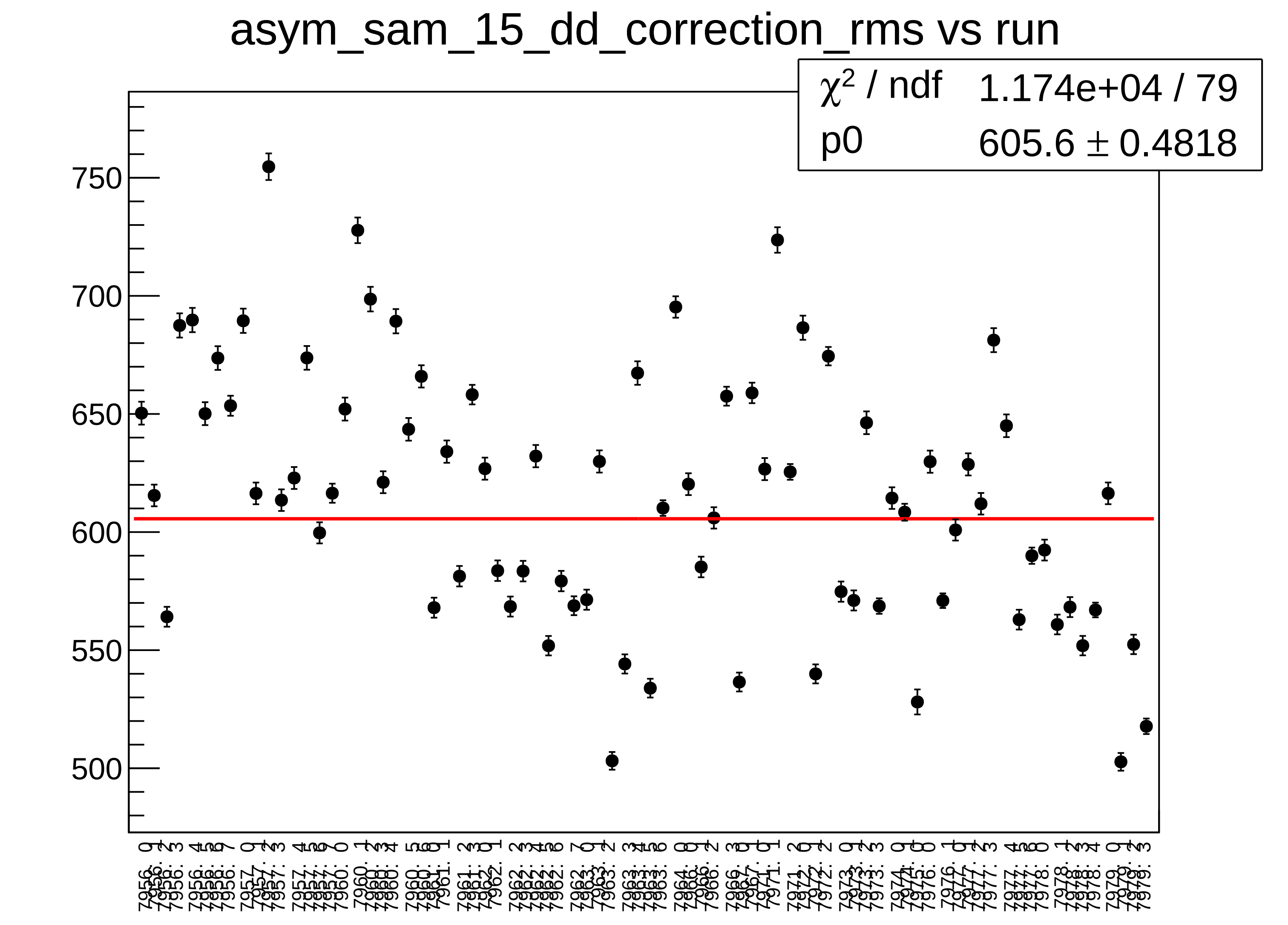

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 73.88 / 79
p0 203.4 ± 110.4
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean −50.53
Std Dev 26.91
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01302
Std Dev 0.9609
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

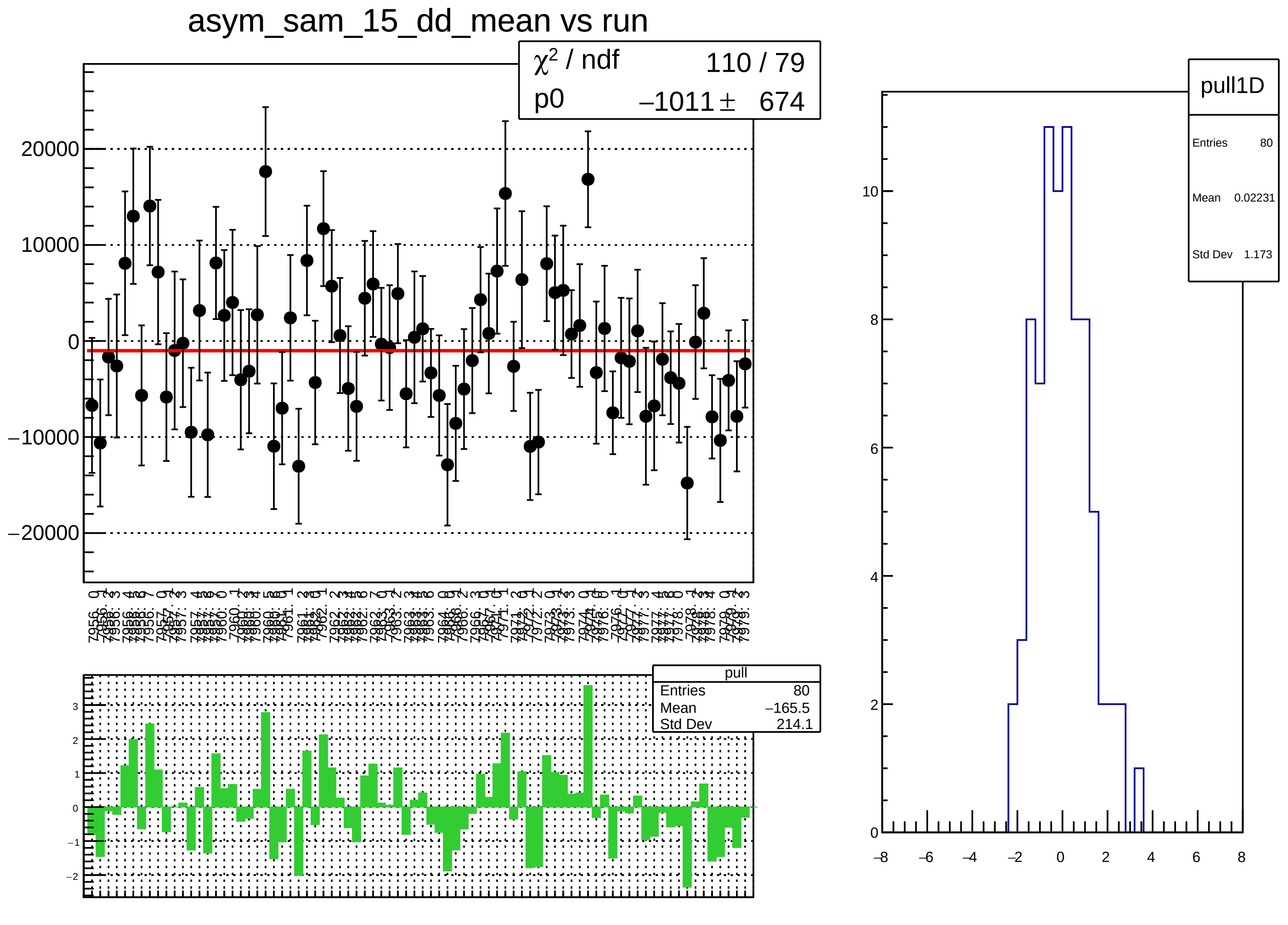


dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 8560 / 79
p0 98.19 ± 0.07803
120
115
110
105
100
95
90

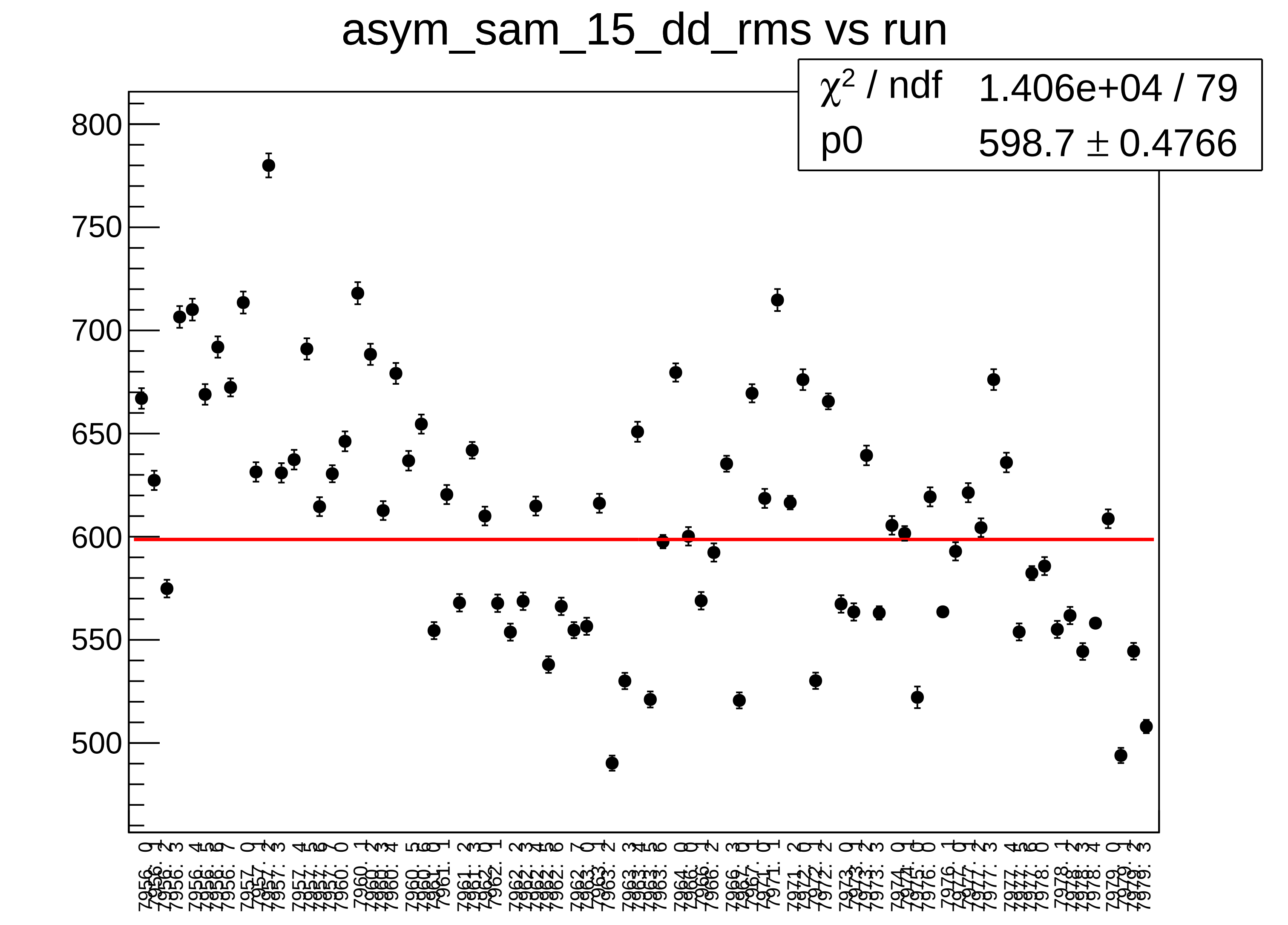


asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 108.4 / 79
p0 1184 ± 681.4
pull
Entries 80
Mean −207.3
Std Dev 258.1
pull1D
Entries 80
Mean −0.01778
Std Dev 1.164

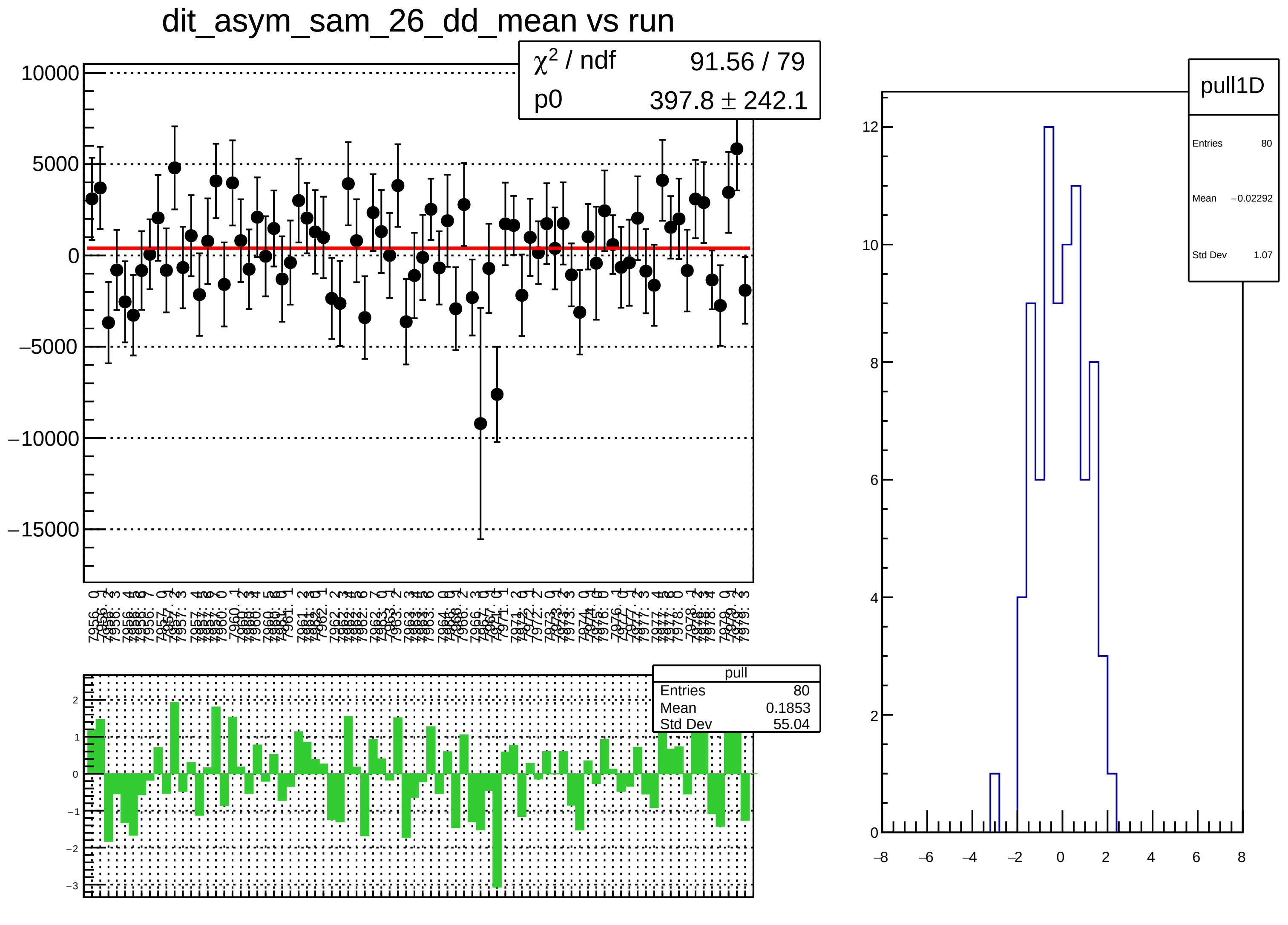

asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 1.174e+04 / 79
p0 605.6 ± 0.4818
750
700
650
600
550
500



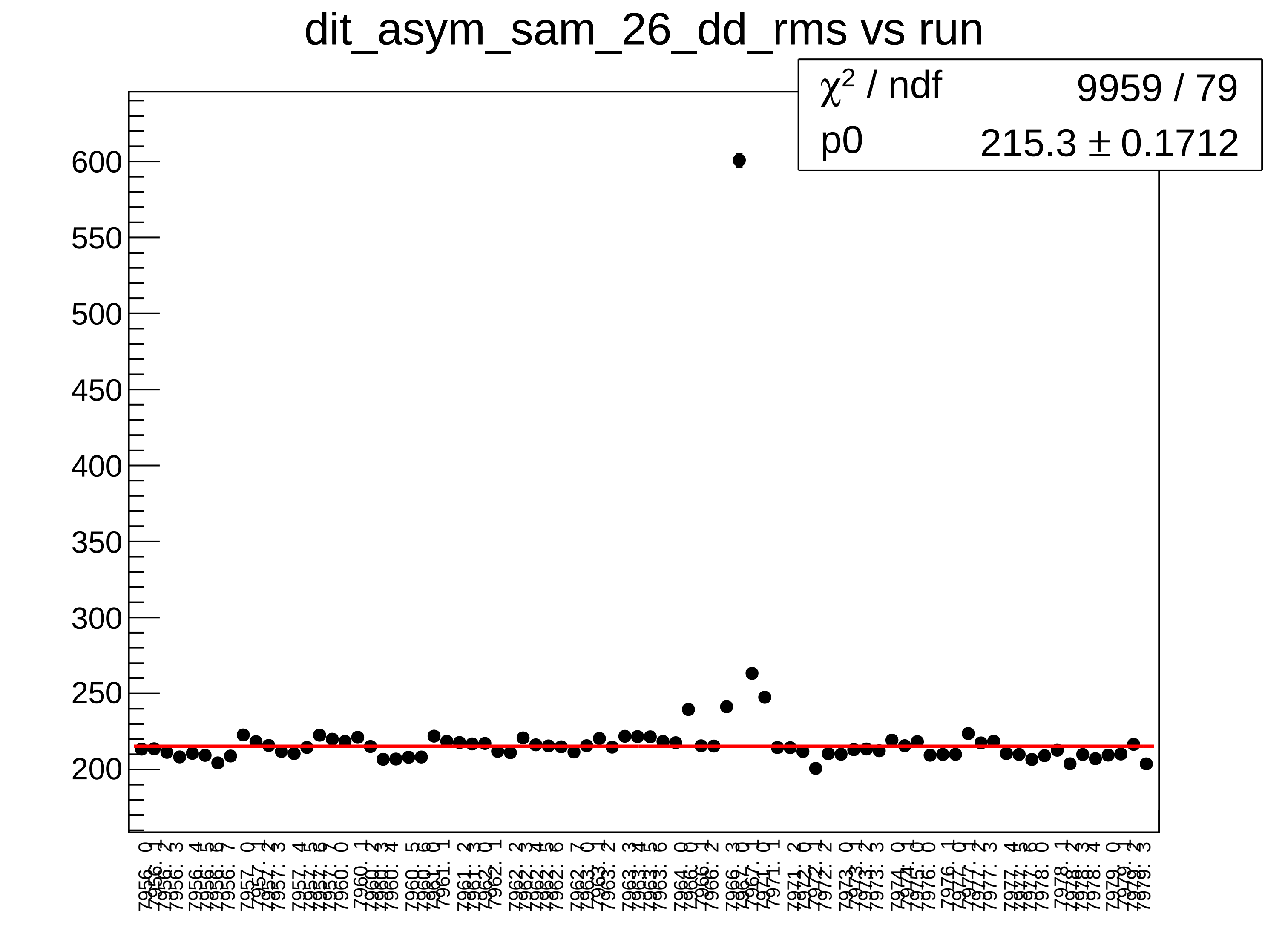
asym_sam_15_dd_mean vs run
χ^2 / ndf 110 / 79
p0 −1011 ± 674
pull
Entries 80
Mean −165.5
Std Dev 214.1
pull1D
Entries 80
Mean 0.02231
Std Dev 1.173



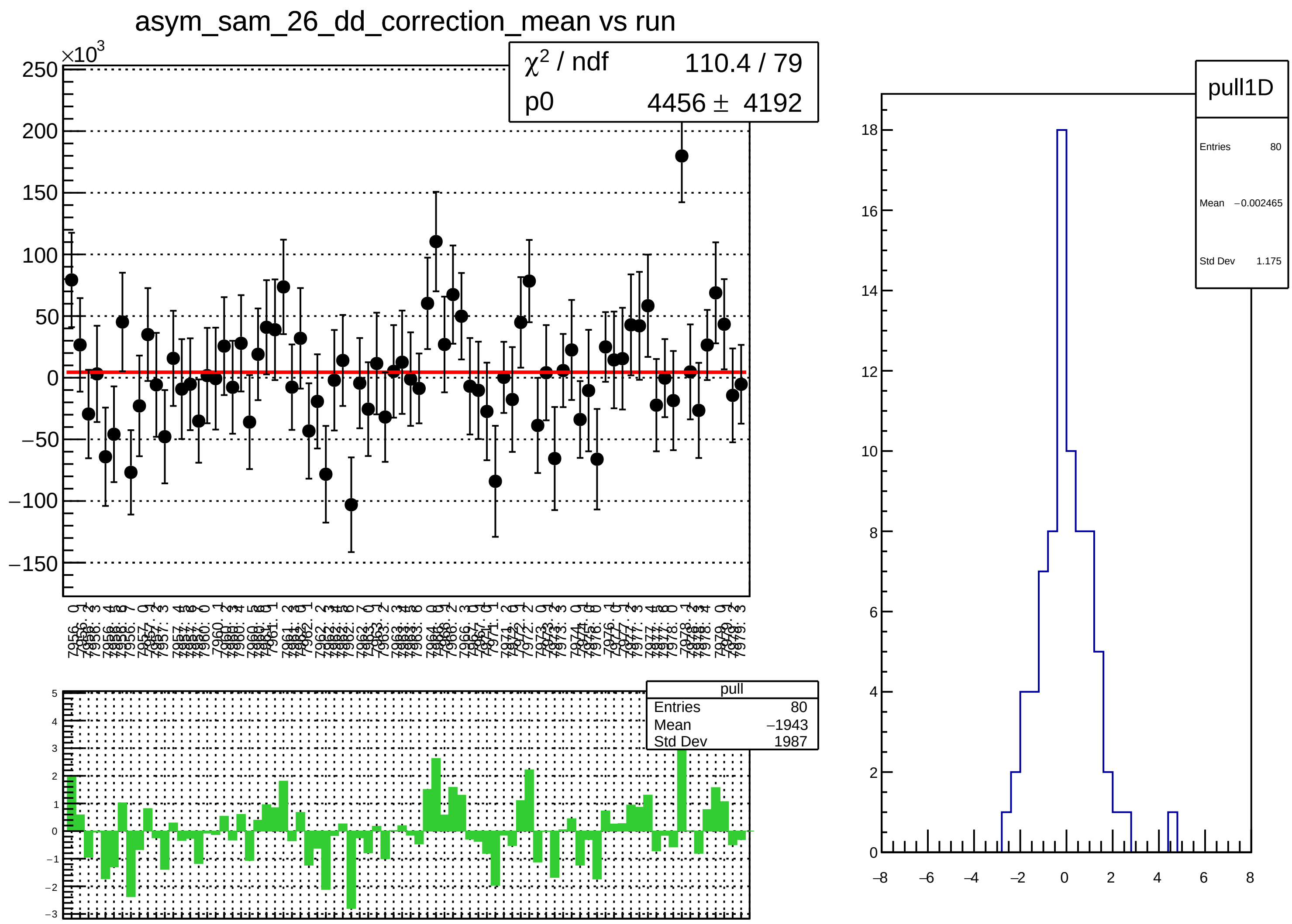
asym_sam_15_dd_rms vs run
χ^2 / ndf 1.406e+04 / 79
p0 598.7 ± 0.4766
800
750
700
650
600
550
500



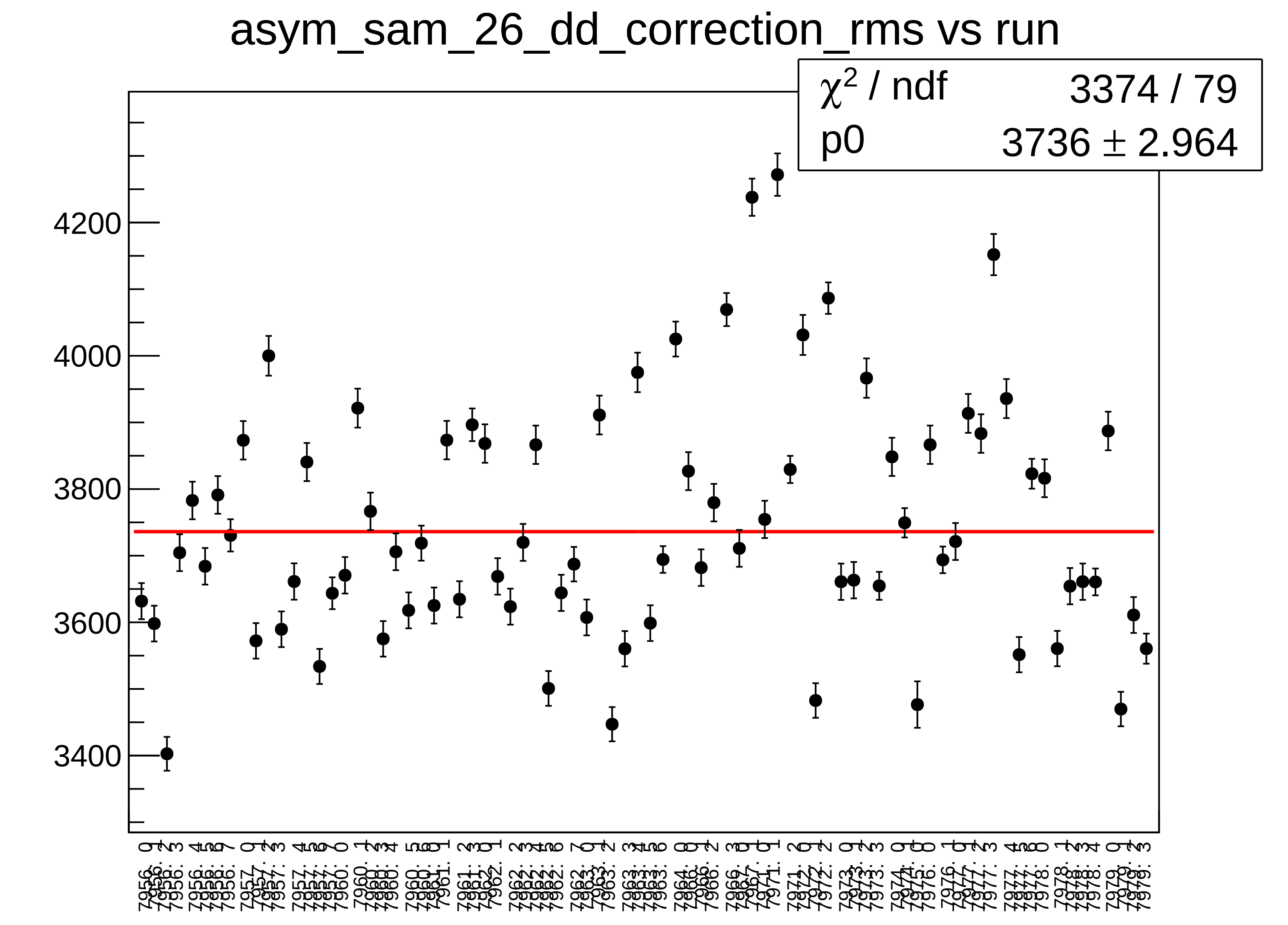
dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 91.56 / 79
p0 397.8 ± 242.1
pull
Entries 80
Mean 0.1853
Std Dev 55.04
pull1D
Entries 80
Mean −0.02292
Std Dev 1.07



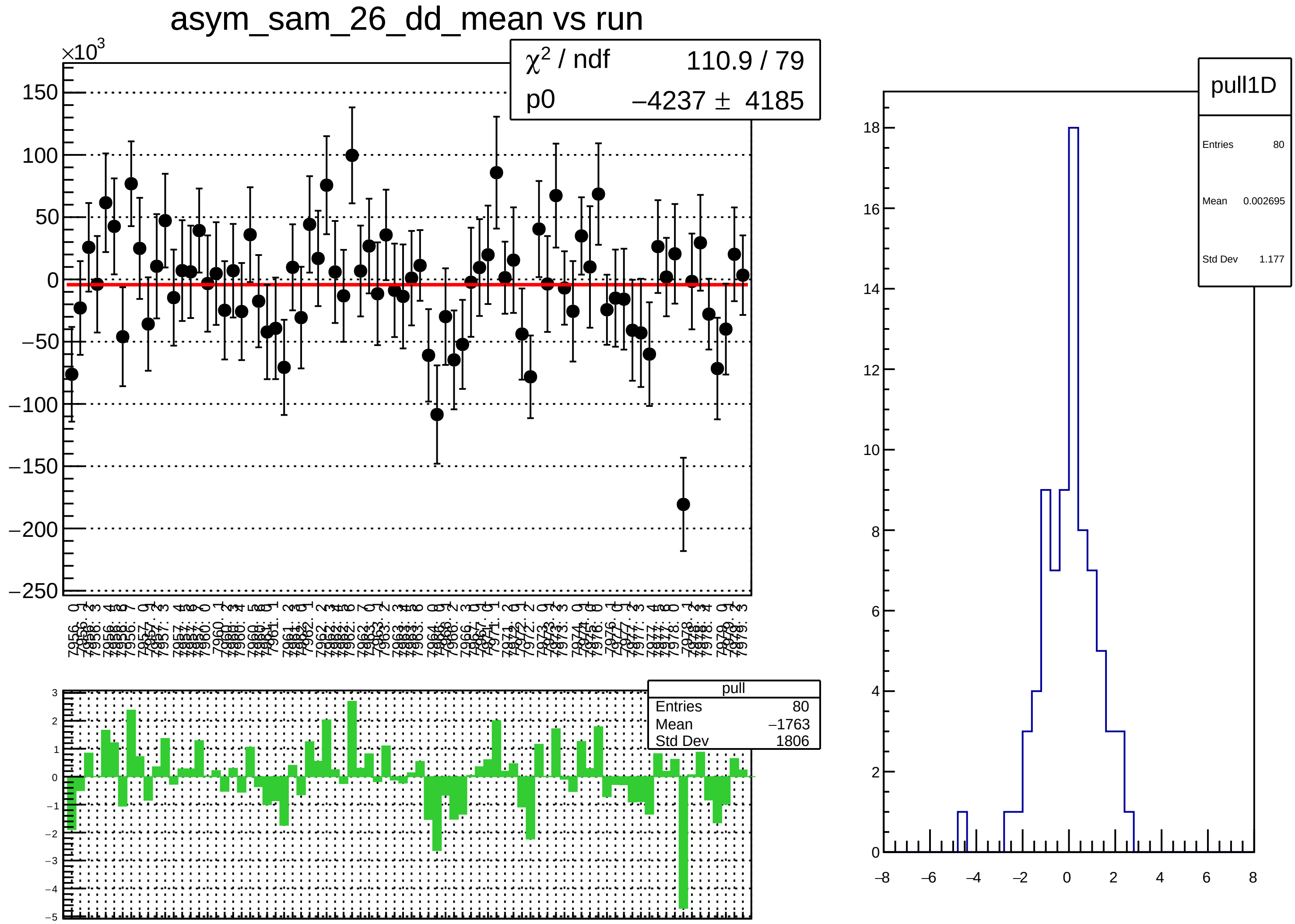
dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 9959 / 79
p0 215.3 ± 0.1712
600
550
500
450
400
350
300
250
200



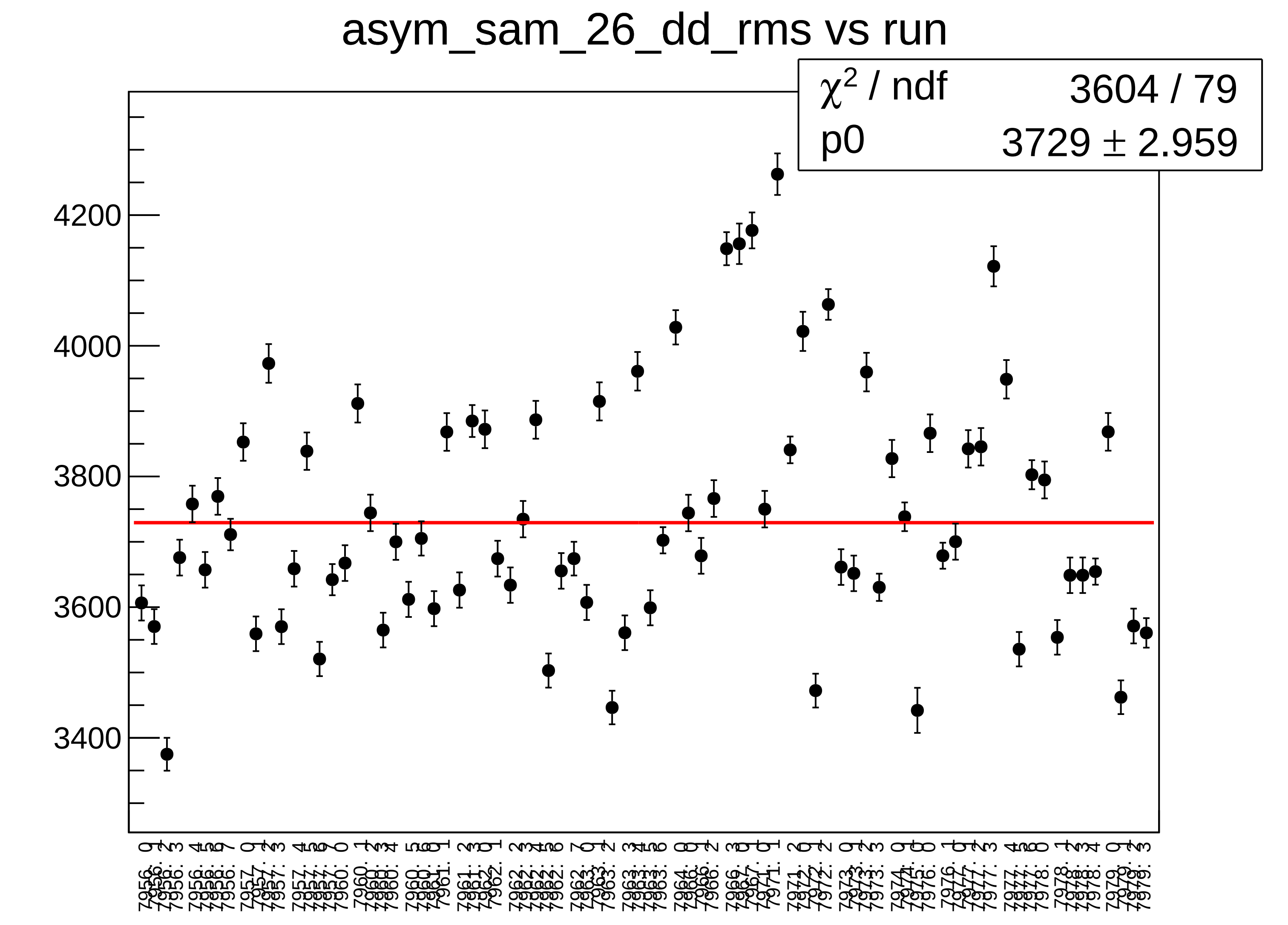
asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 110.4 / 79
p0 4456 ± 4192
pull
Entries 80
Mean −1943
Std Dev 1987
pull1D
Entries 80
Mean −0.002465
Std Dev 1.175



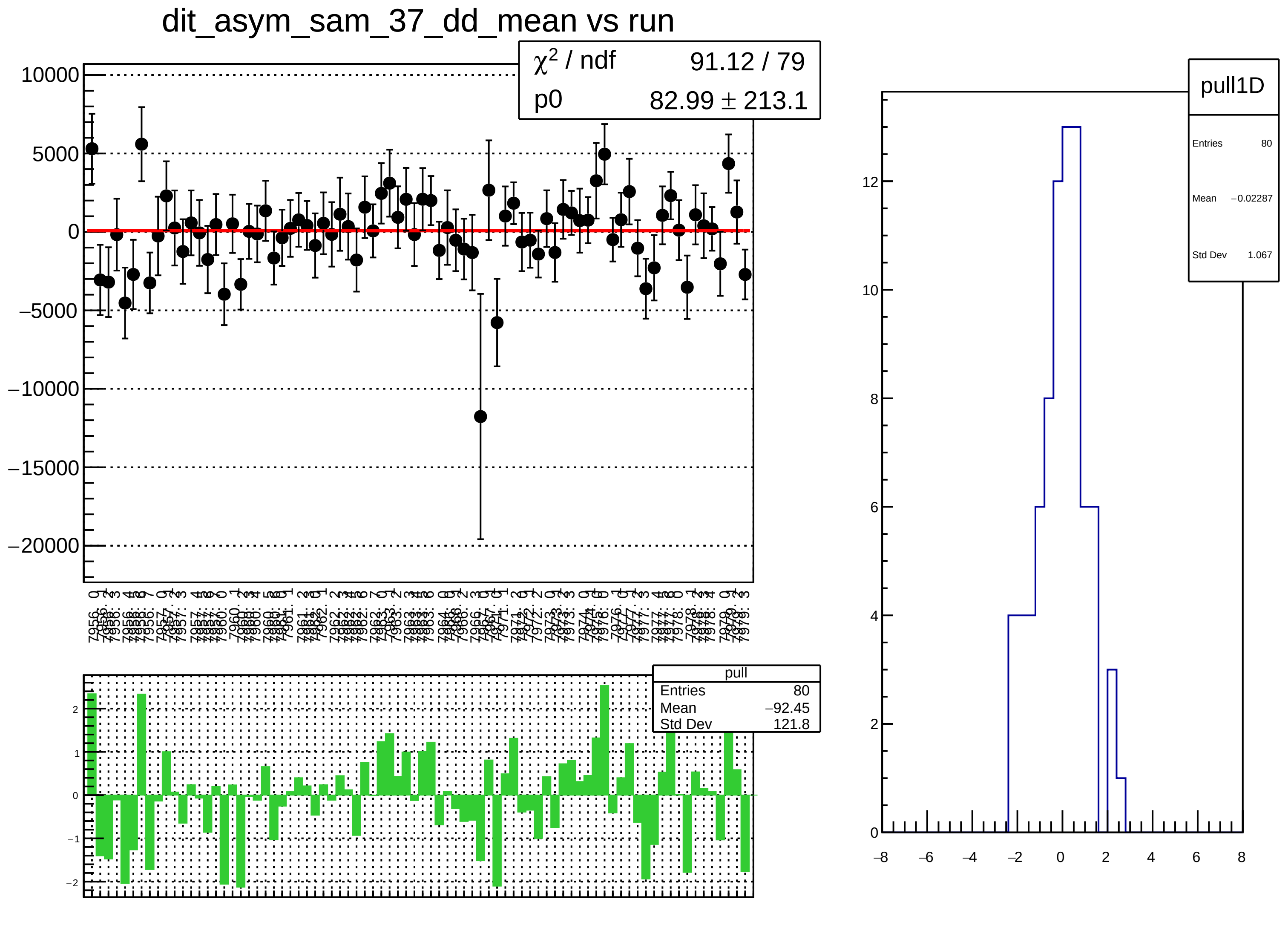
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 3374 / 79
p0 3736 ± 2.964
4200
4000
3800
3600
3400



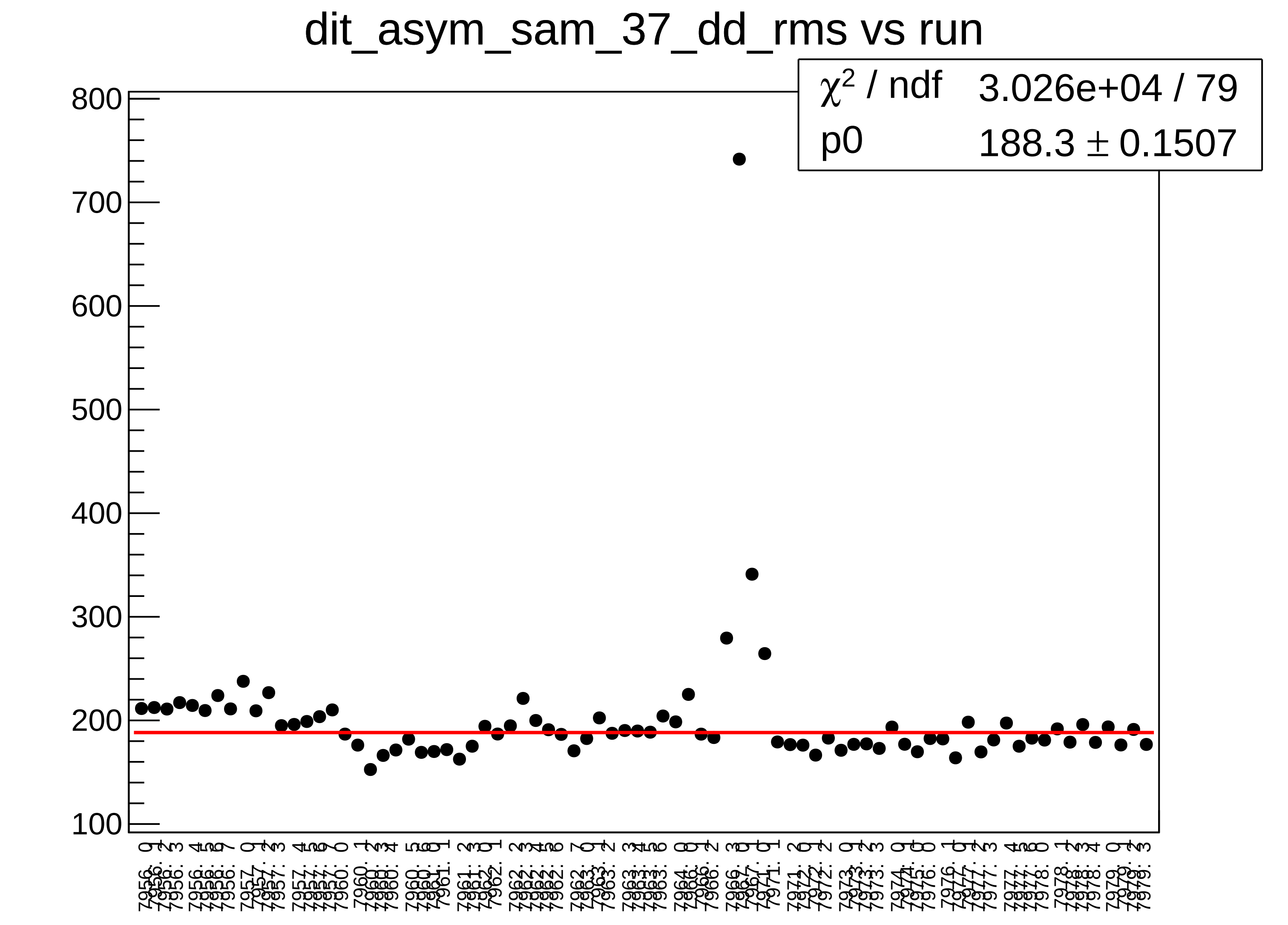
asym_sam_26_dd_mean vs run
×10^3
χ2 / ndf 110.9 / 79
p0 −4237 ± 4185
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 80
Mean −1763
Std Dev 1806
pull1D
Entries 80
Mean 0.002695
Std Dev 1.177



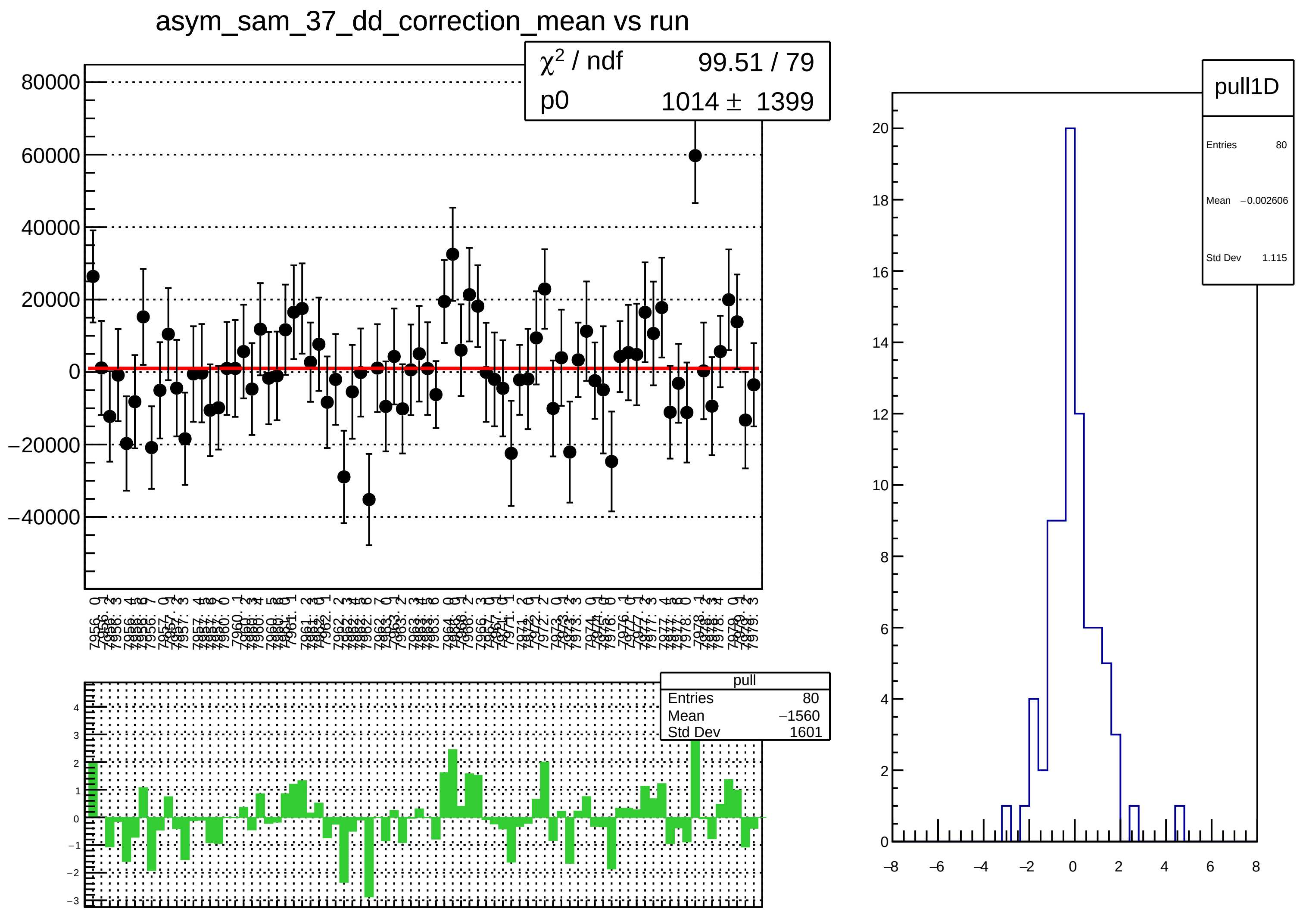
asym_sam_26_dd_rms vs run
χ^2 / ndf 3604 / 79
p0 3729 ± 2.959
4200
4000
3800
3600
3400



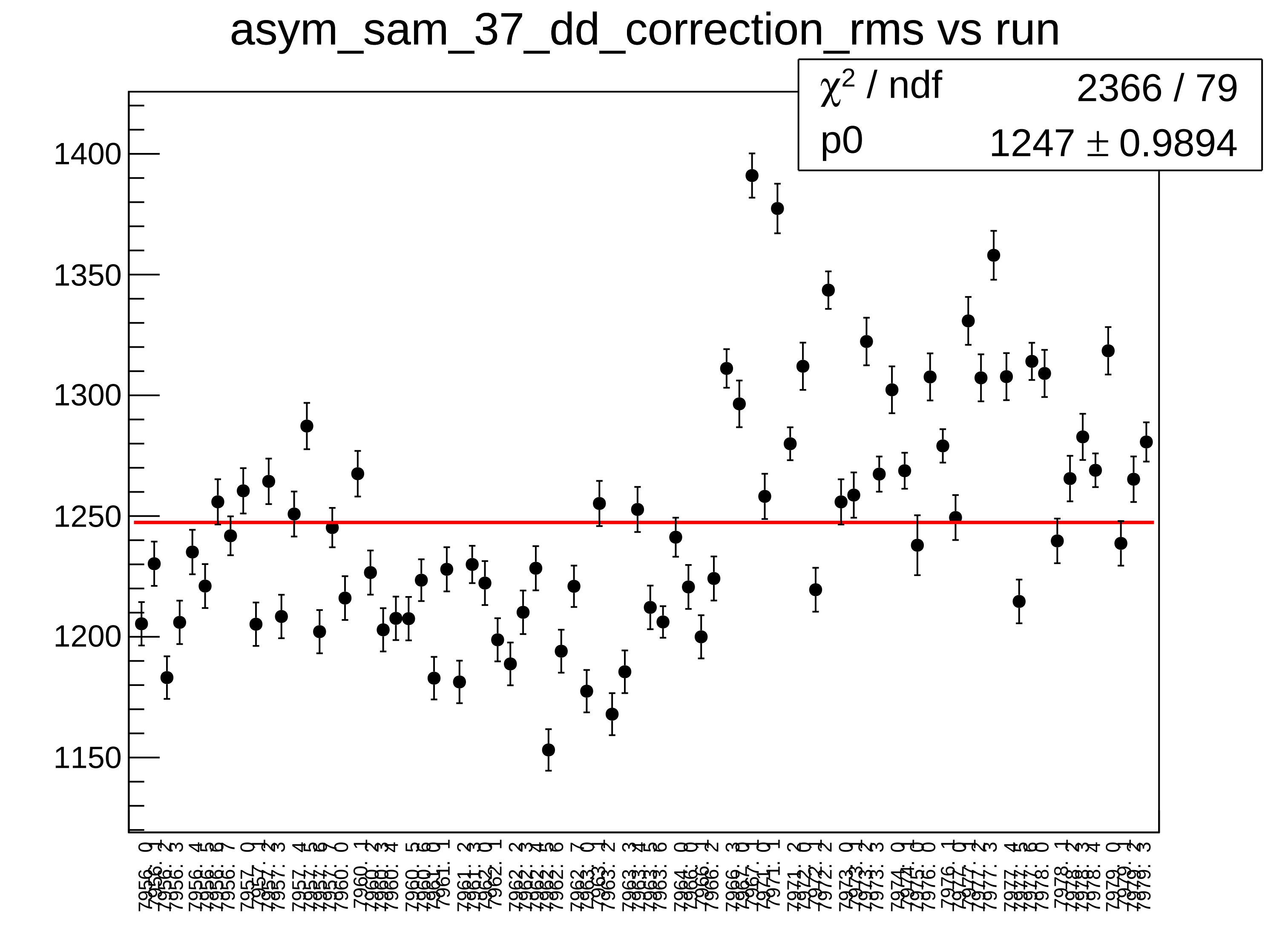
dit_asym_sam_37_dd_mean vs run
χ^2 / ndf 91.12 / 79
p0 82.99 ± 213.1
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −92.45
Std Dev 121.8
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02287
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



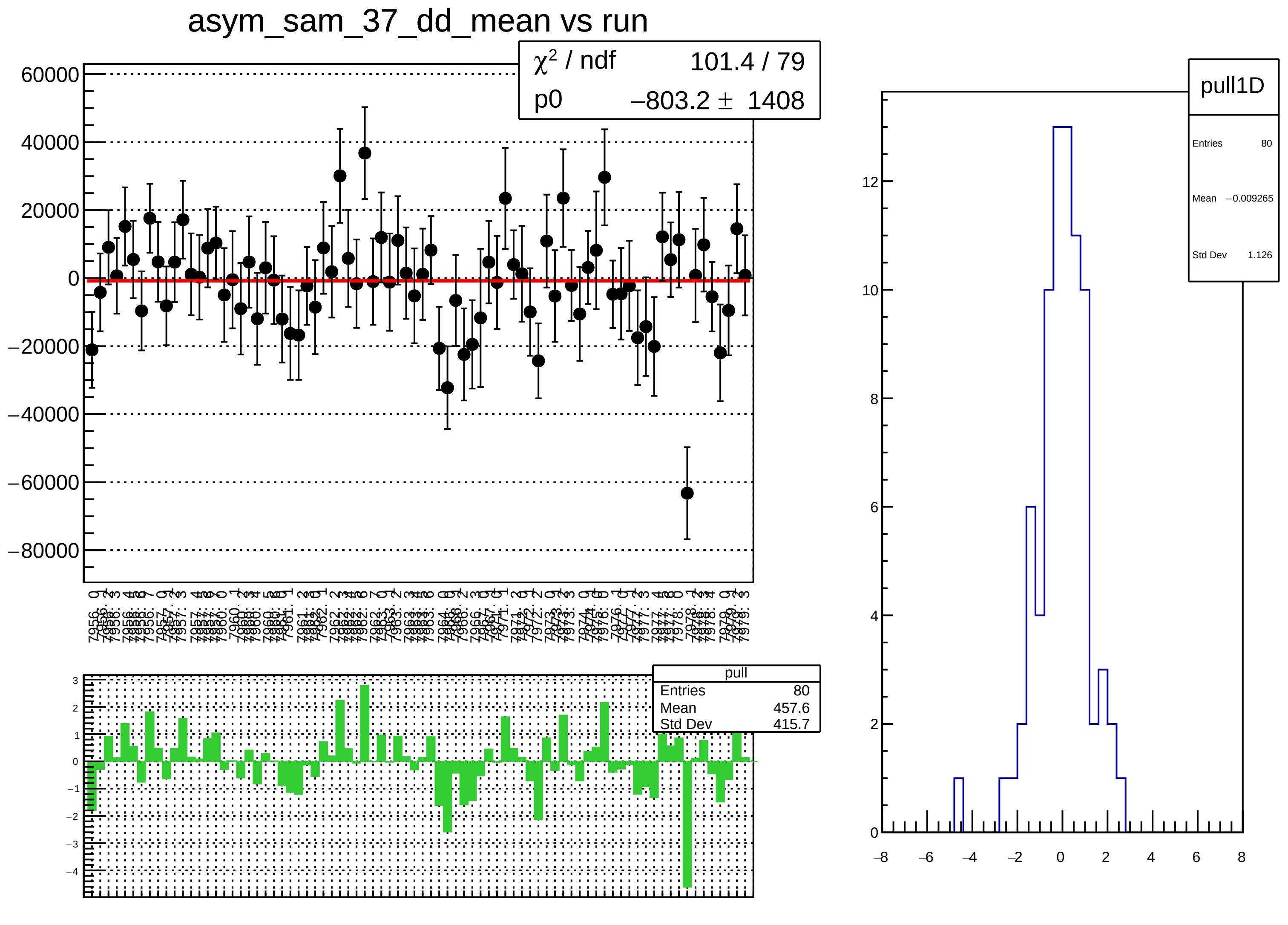
dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 3.026e+04 / 79
p0 188.3 ± 0.1507
800
700
600
500
400
300
200
100



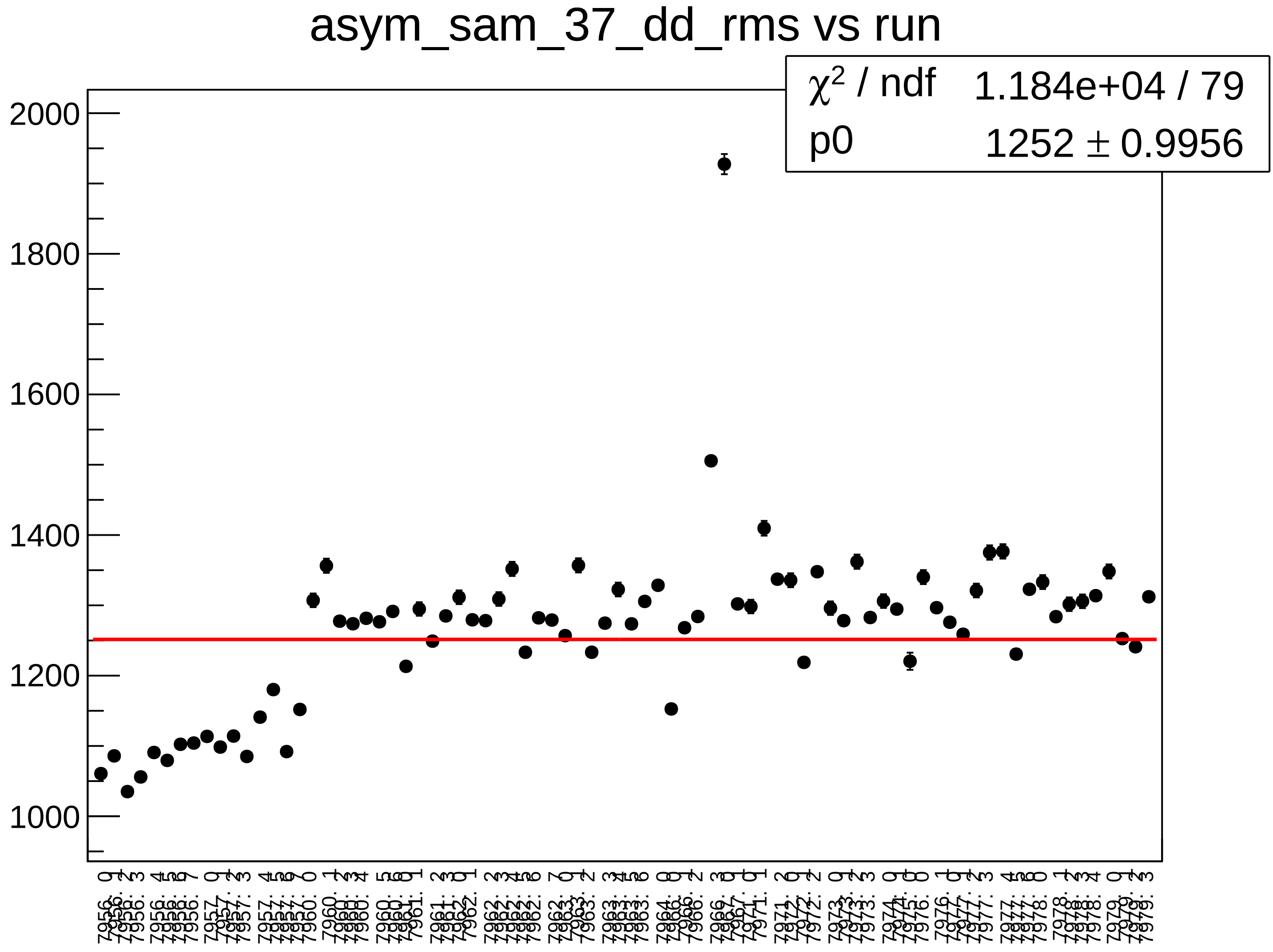
asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 99.51 / 79
p0 1014 ± 1399
pull
Entries 80
Mean −1560
Std Dev 1601
pull1D
Entries 80
Mean −0.002606
Std Dev 1.115

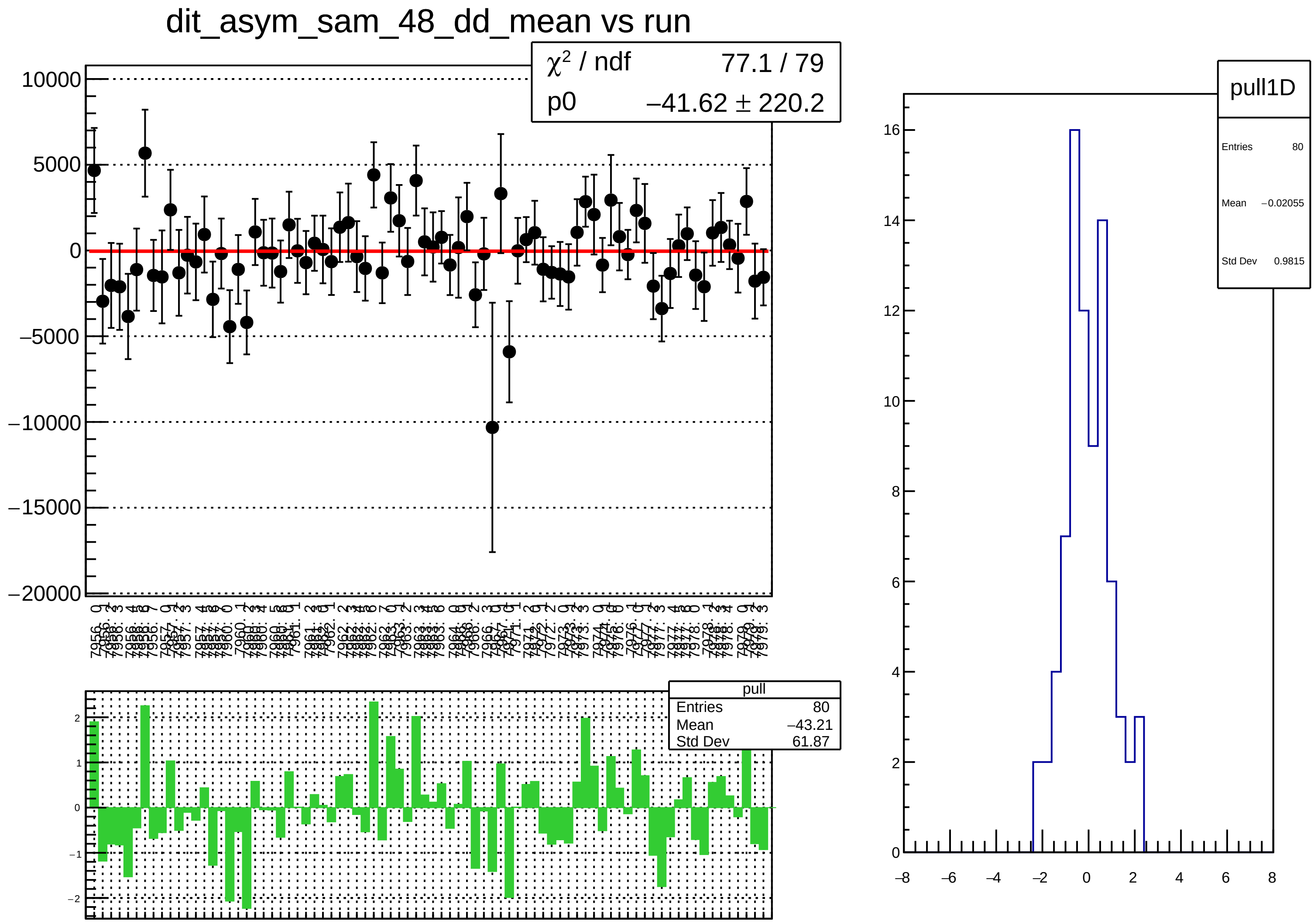


asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 2366 / 79
p0 1247 ± 0.9894
1400
1350
1300
1250
1200
1150

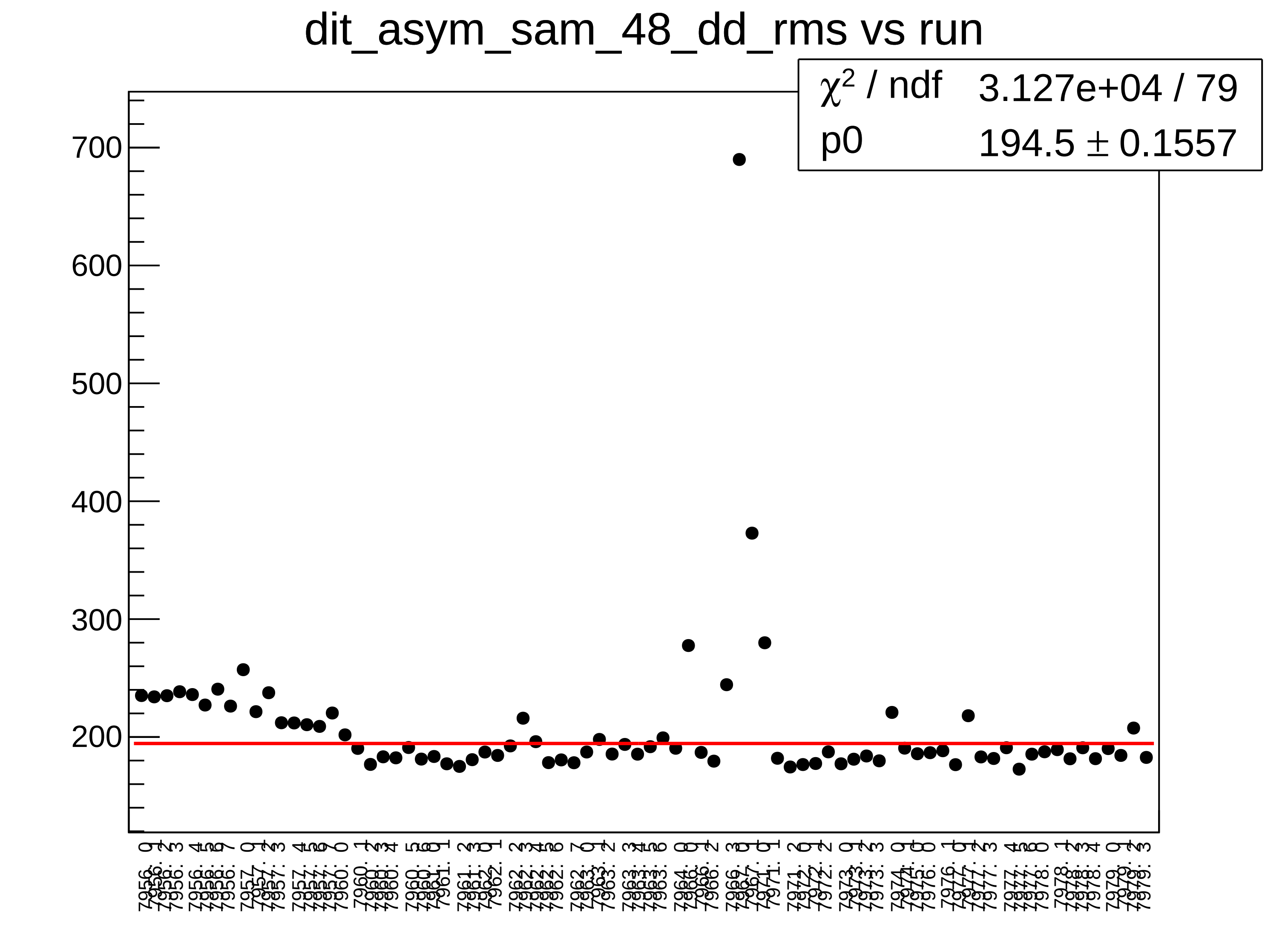


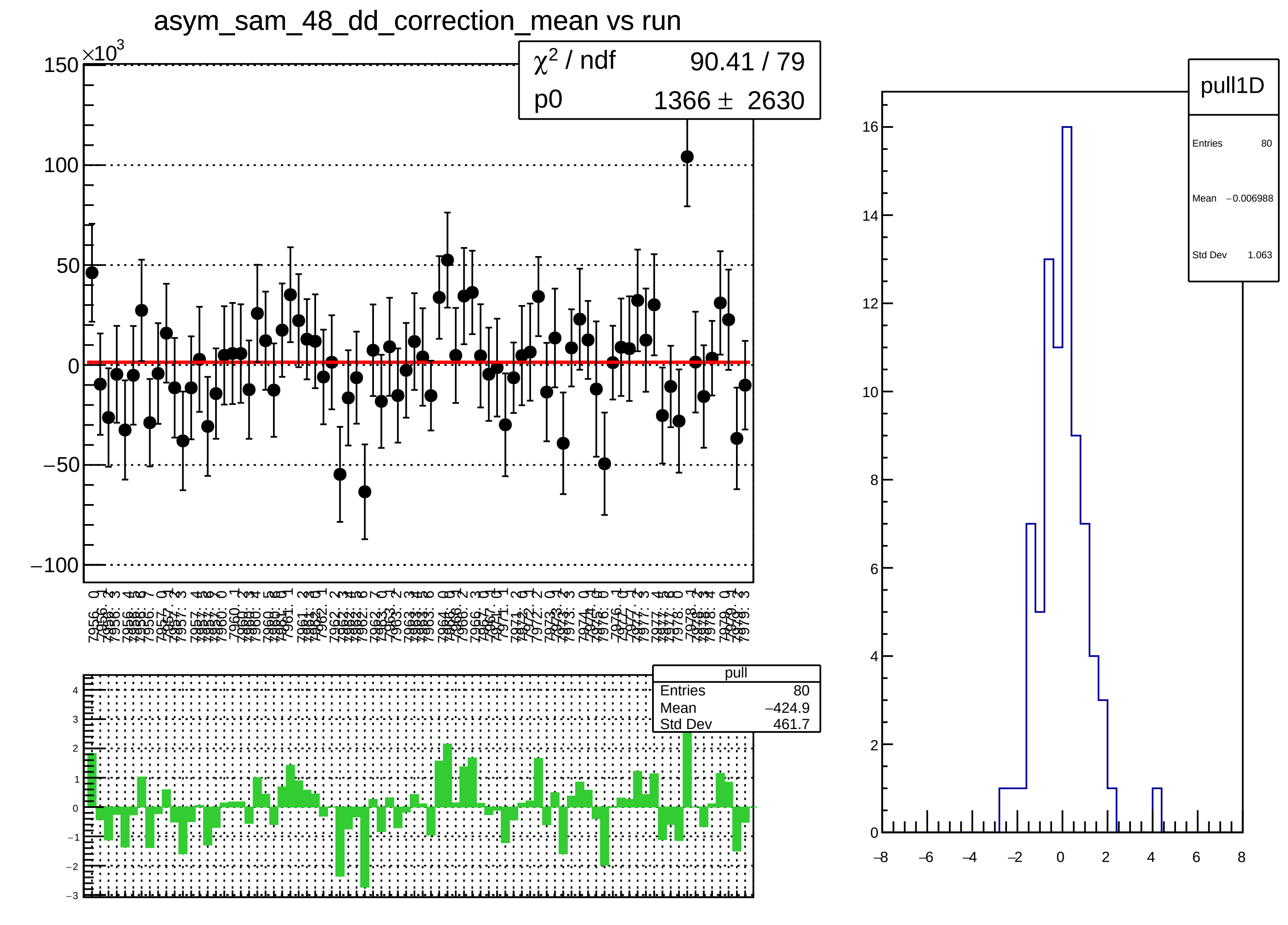
asym_sam_37_dd_mean vs run
χ² / ndf 101.4 / 79
p0 −803.2 ± 1408
pull
Entries 80
Mean 457.6
Std Dev 415.7
pull1D
Entries 80
Mean −0.009265
Std Dev 1.126


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

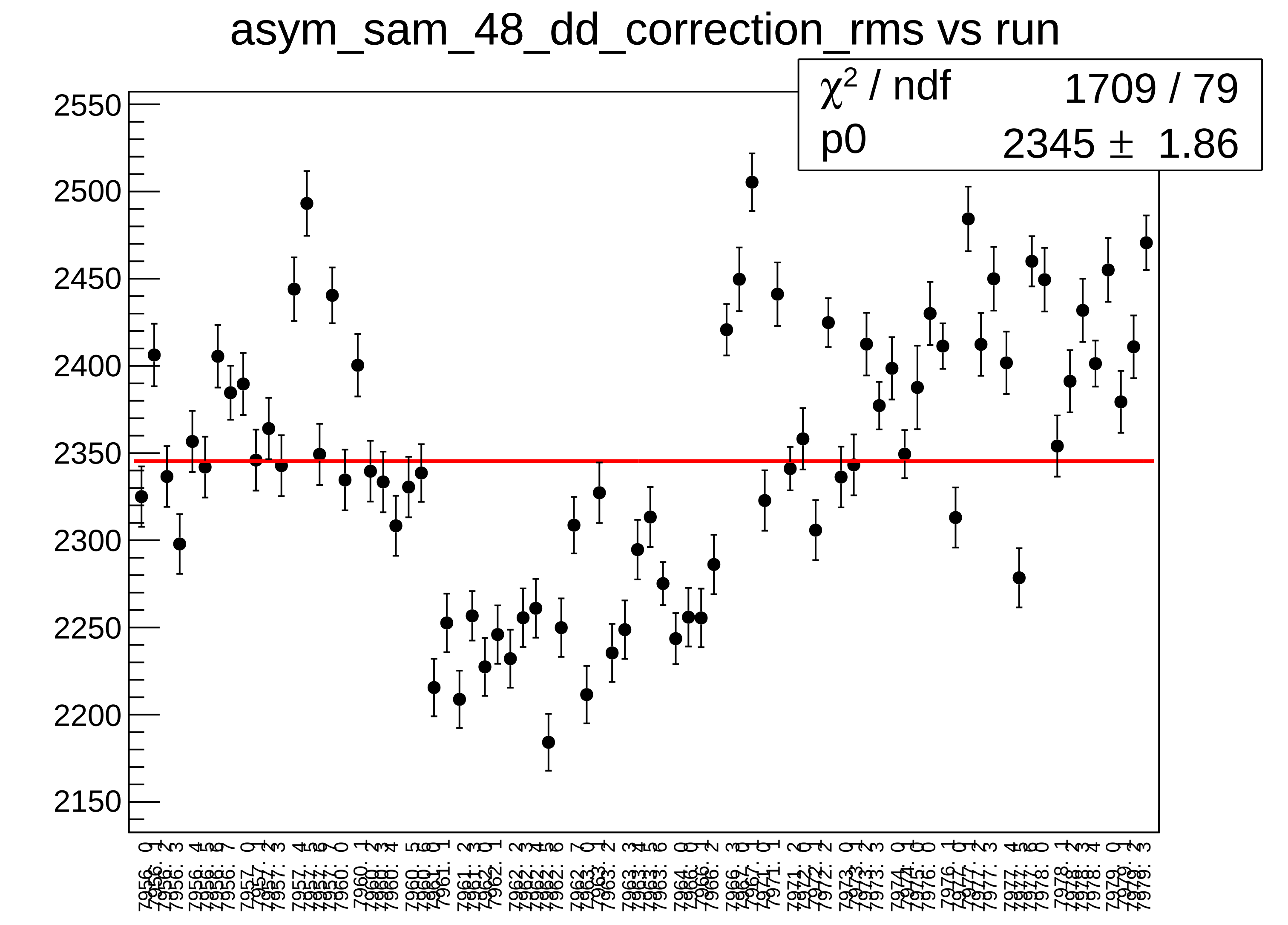


dit_asym_sam_48_dd_mean vs run
χ2 / ndf 77.1 / 79
p0 −41.62 ± 220.2
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −43.21
Std Dev 61.87
pull1D
Entries 80
Mean −0.02055
Std Dev 0.9815

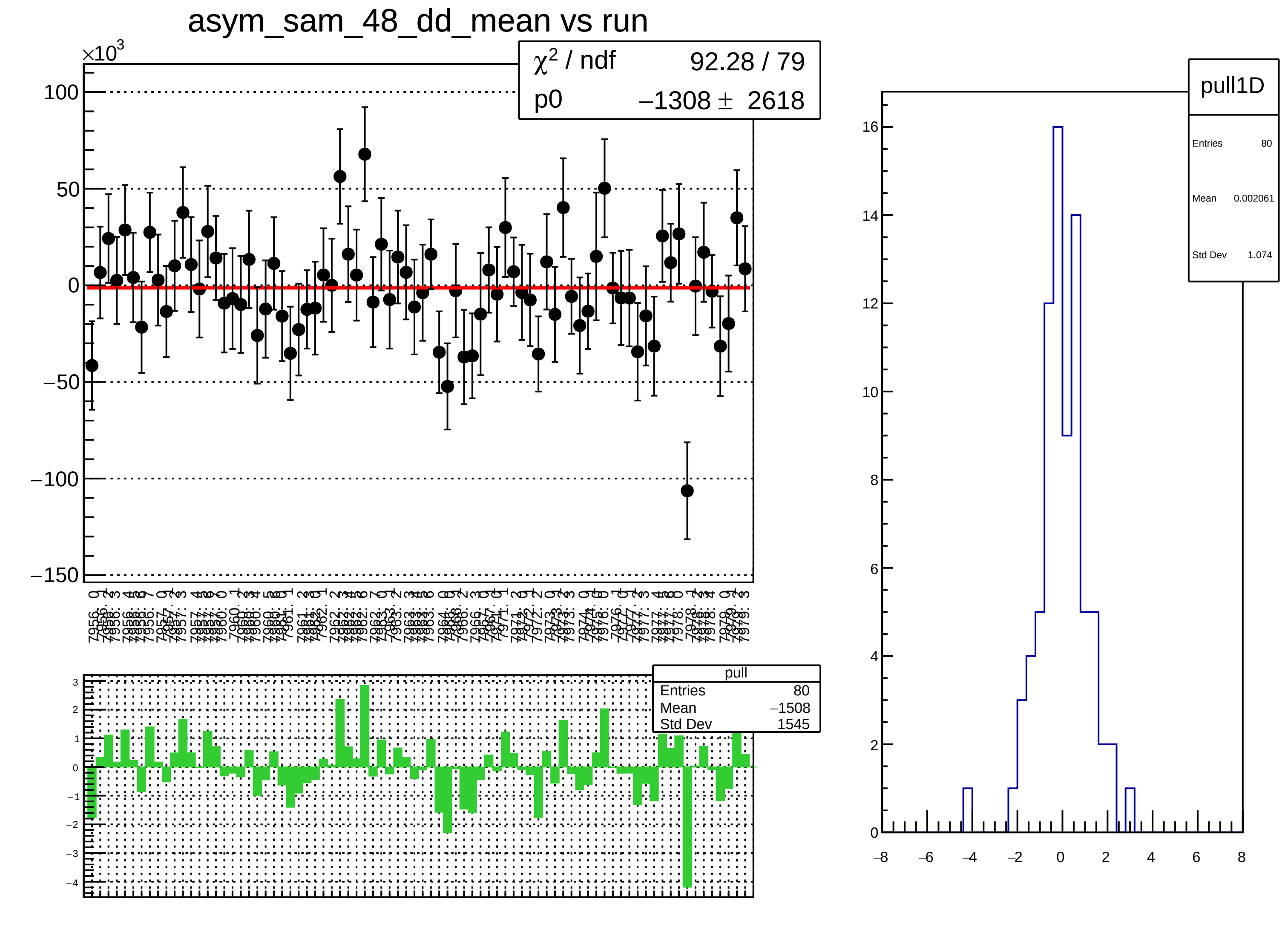

dit_asym_sam_48_dd_rms vs run
χ2 / ndf 3.127e+04 / 79
p0 194.5 ± 0.1557
700
600
500
400
300
200

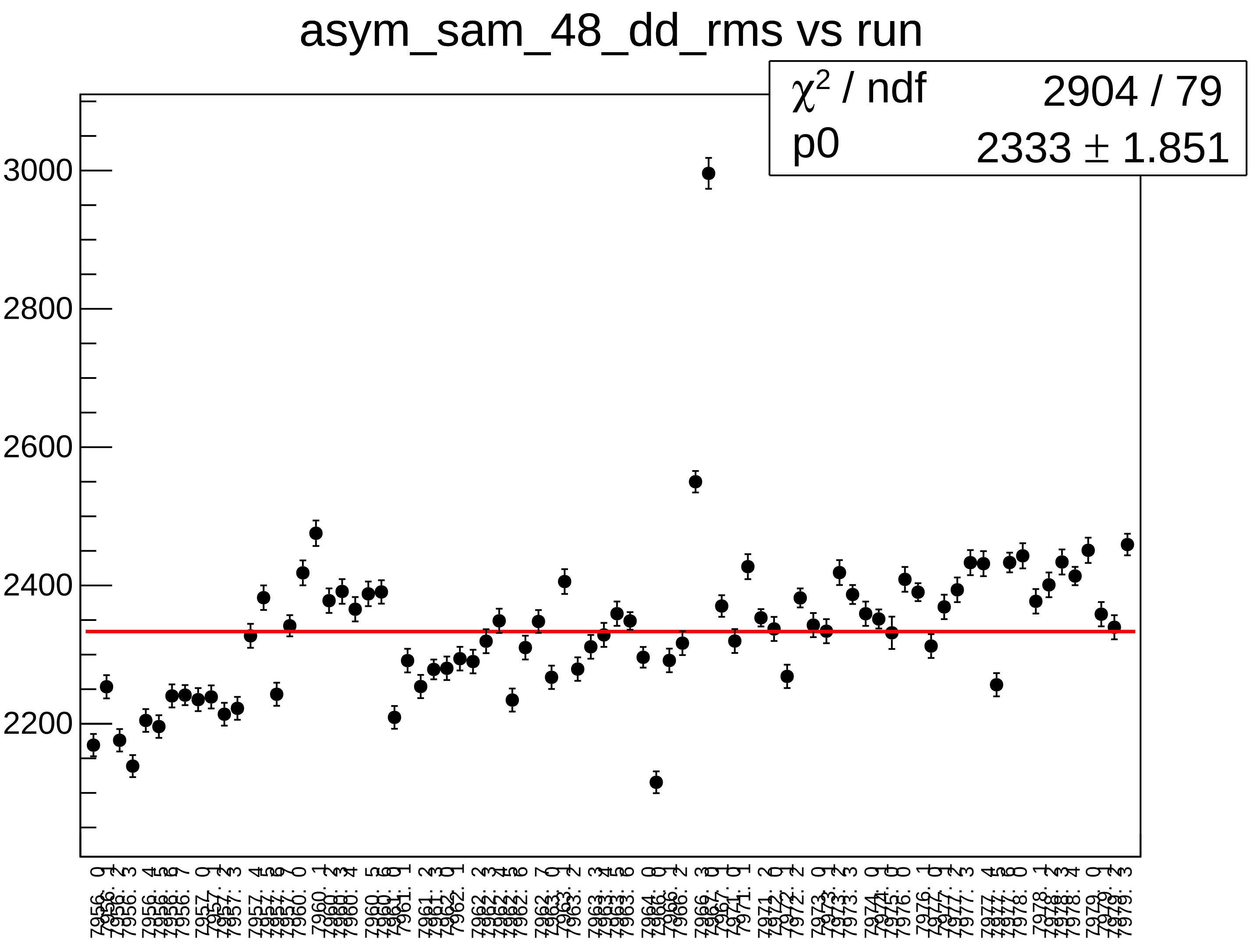


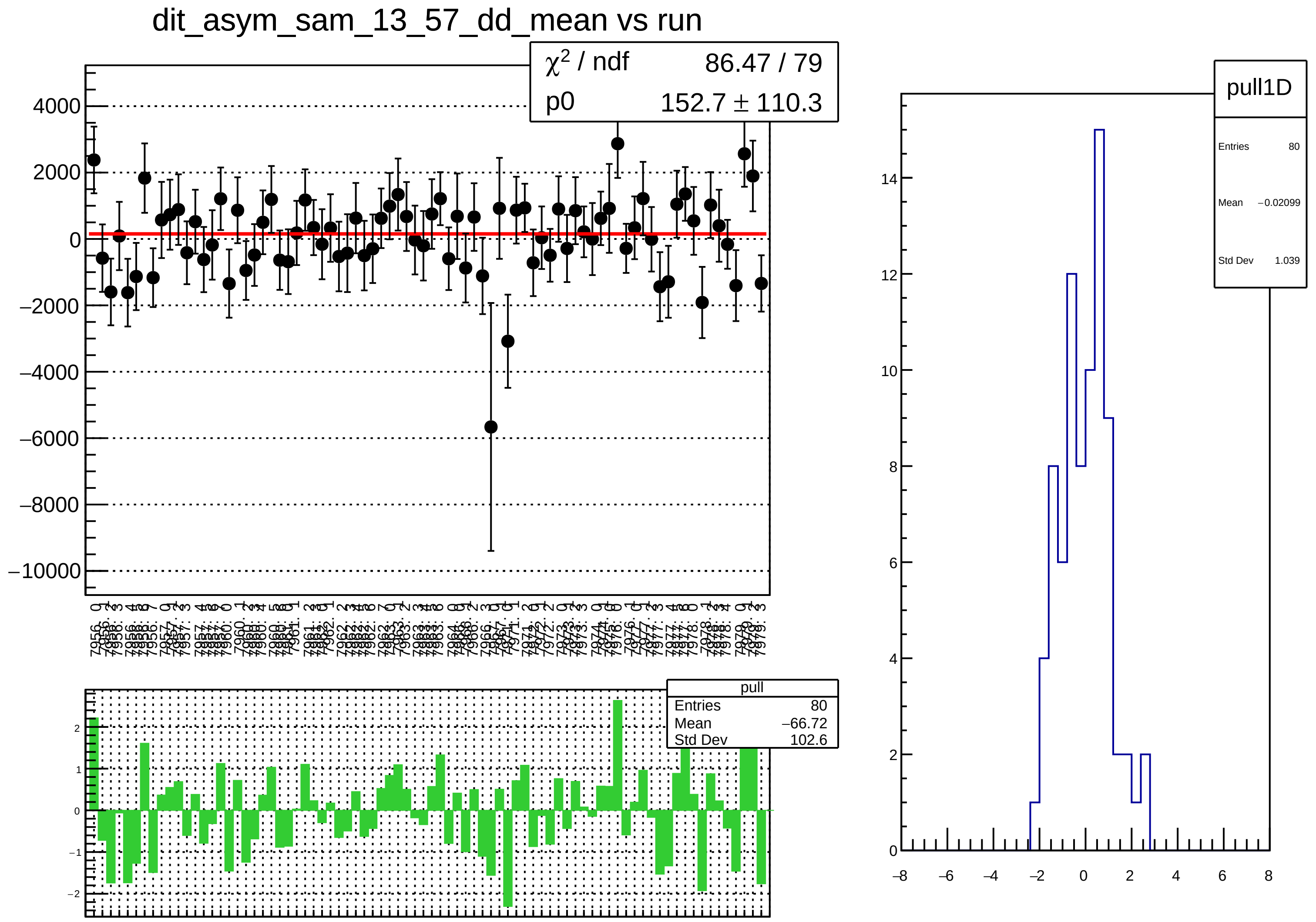
asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 90.41 / 79
p0 1366 ± 2630
pull
Entries 80
Mean −424.9
Std Dev 461.7
pull1D
Entries 80
Mean −0.006988
Std Dev 1.063



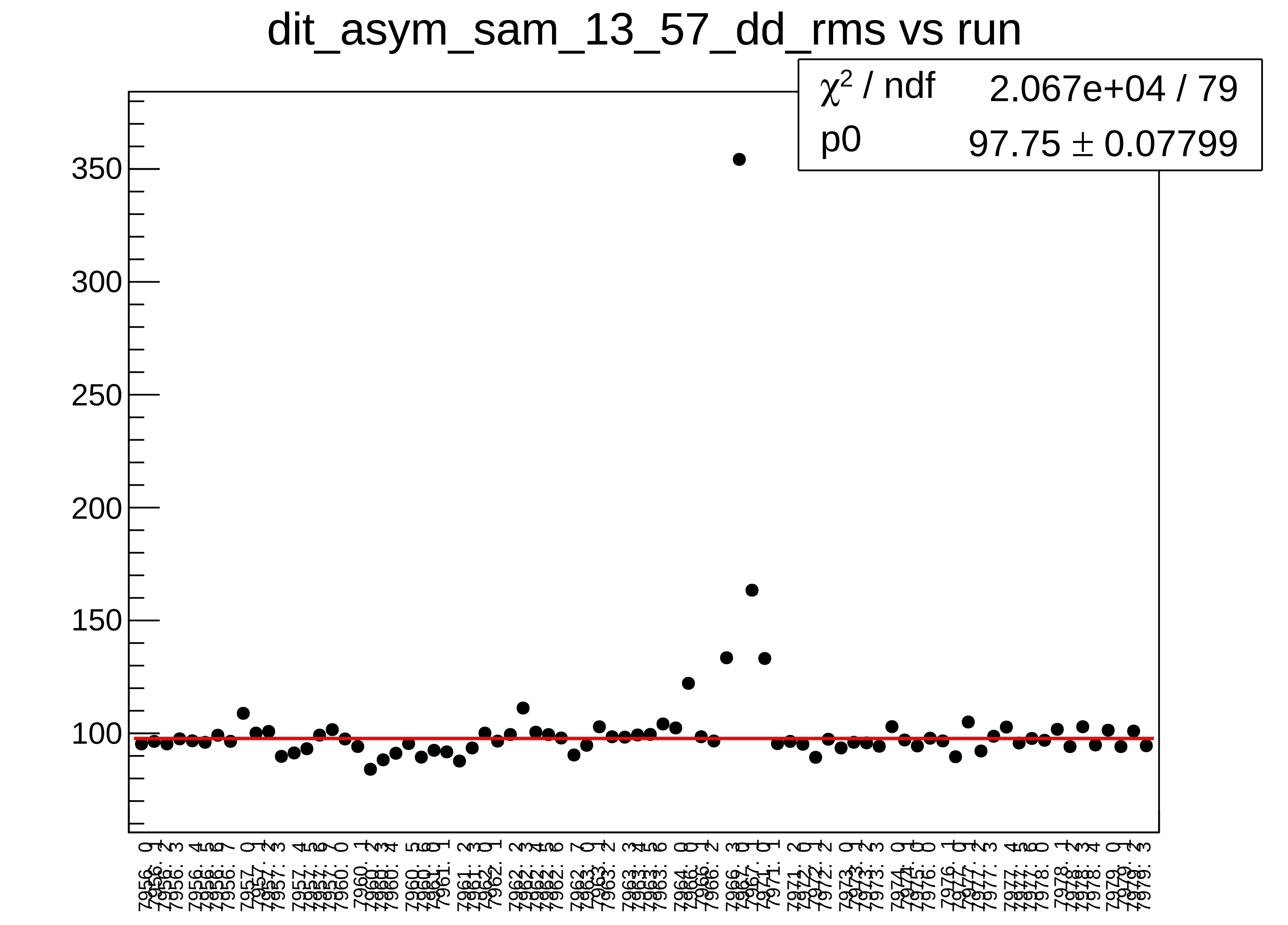
asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 1709 / 79
p0 2345 ± 1.86
2550
2500
2450
2400
2350
2300
2250
2200
2150

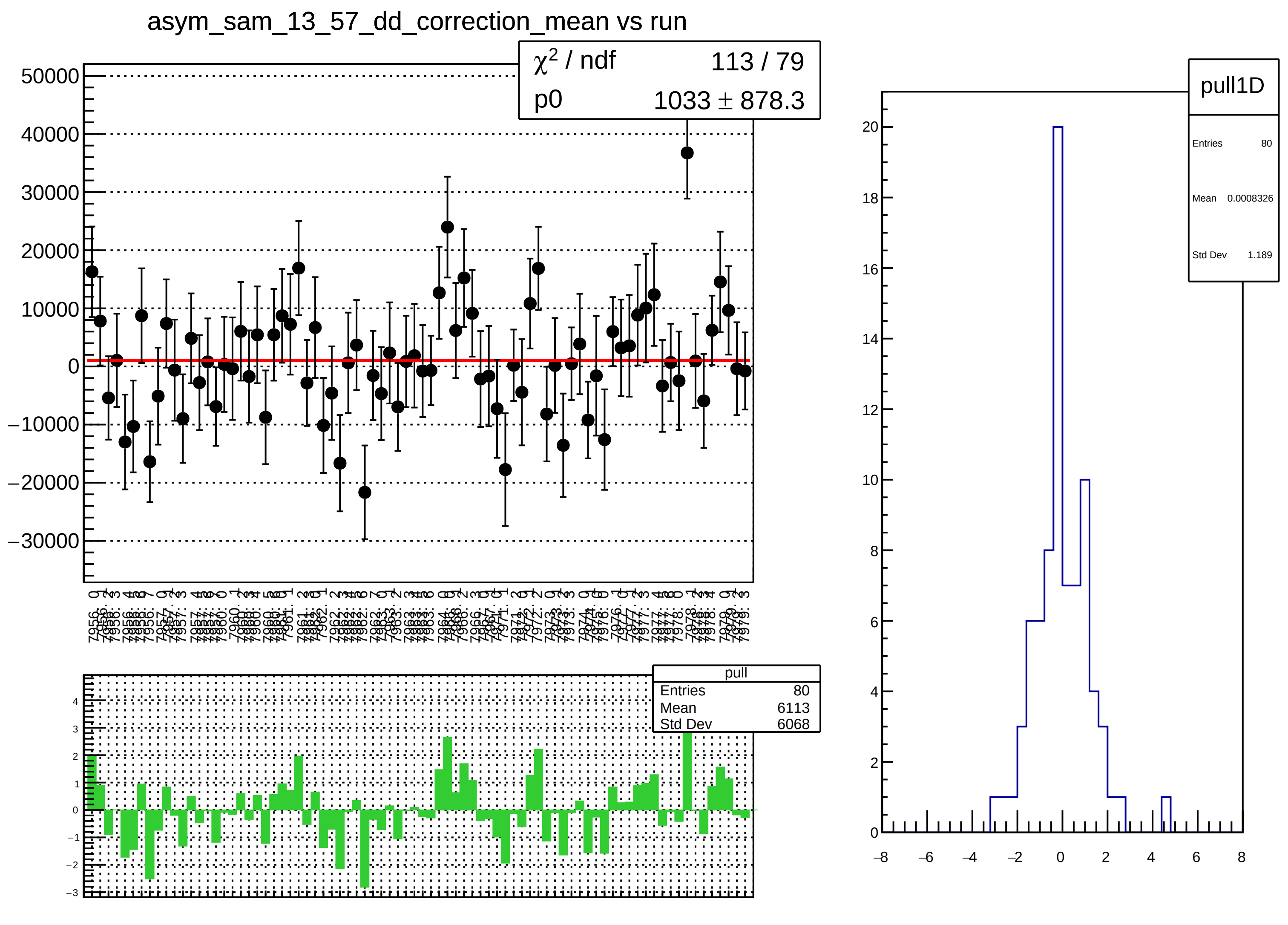

asym_sam_48_dd_mean vs run
χ2 / ndf 92.28 / 79
p0 −1308 ± 2618
×10^3
pull
Entries 80
Mean −1508
Std Dev 1545
pull1D
Entries 80
Mean 0.002061
Std Dev 1.074


asym_sam_48_dd_rms vs run
χ2 / ndf 2904 / 79
p0 2333 ± 1.851
3000
2800
2600
2400
2200

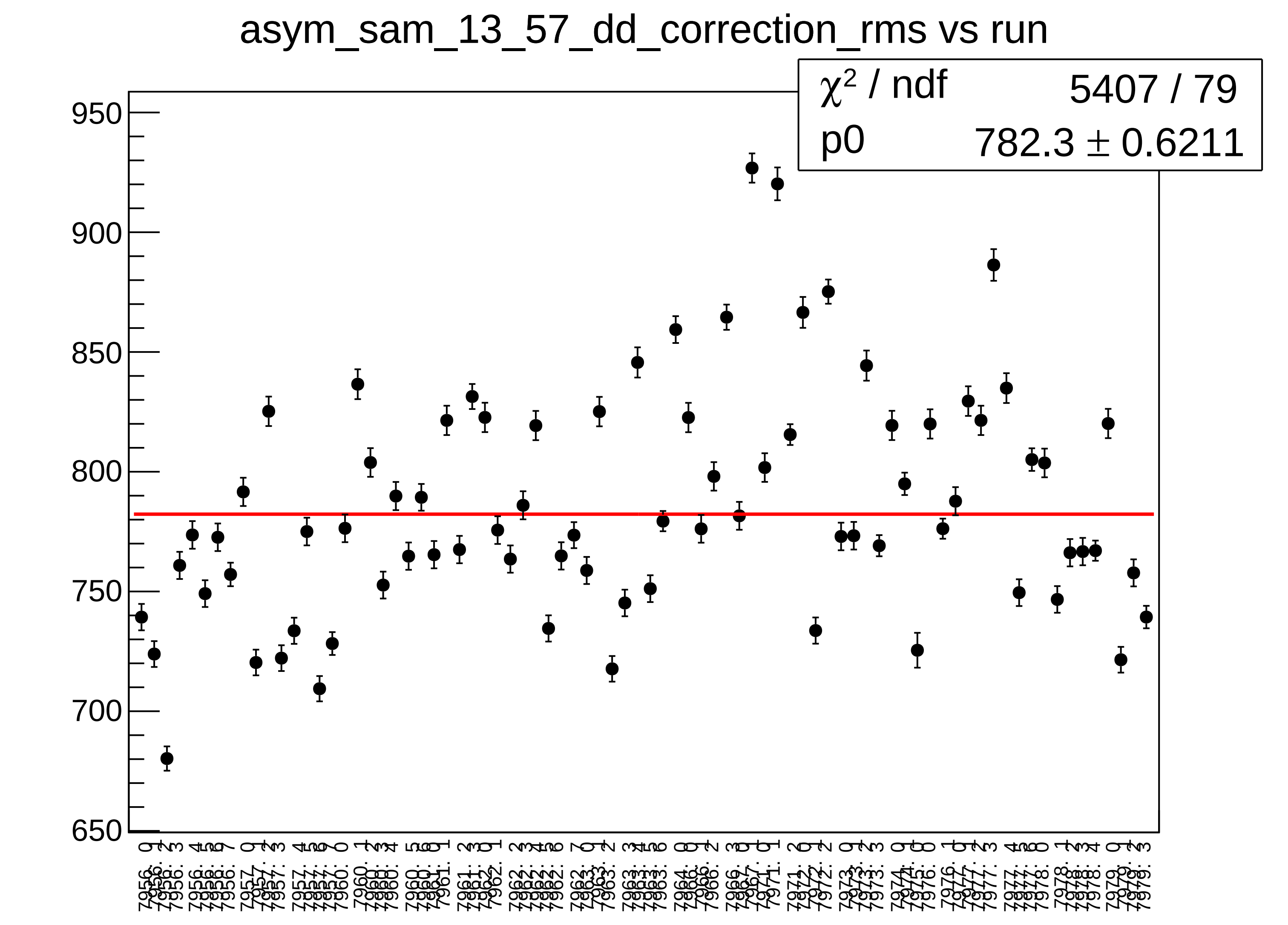


dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 86.47 / 79
p0 152.7 ± 110.3
pull
Entries 80
Mean −66.72
Std Dev 102.6
pull1D
Entries 80
Mean −0.02099
Std Dev 1.039

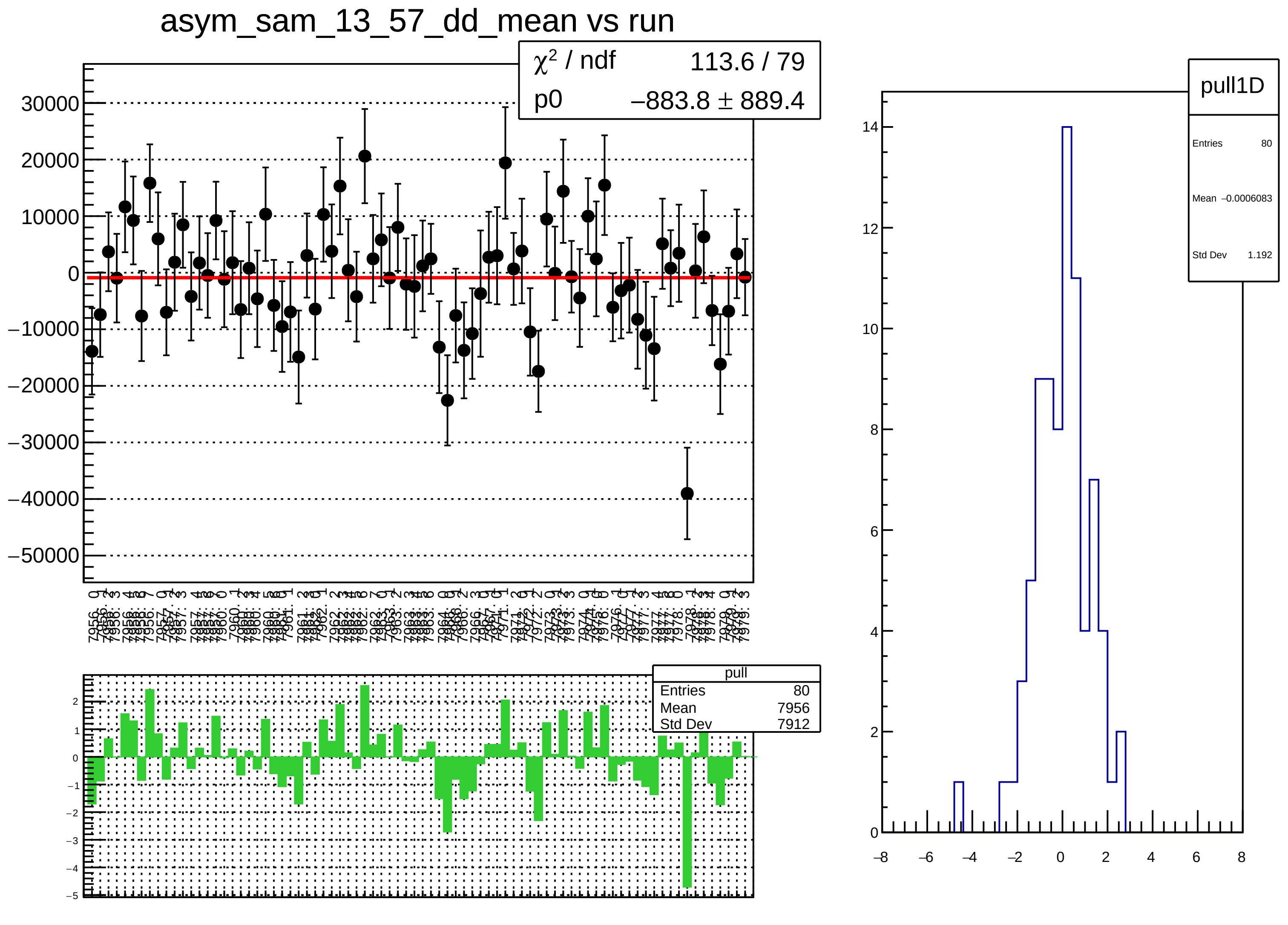

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 2.067e+04 / 79
p0 97.75 ± 0.07799
350
300
250
200
150
100



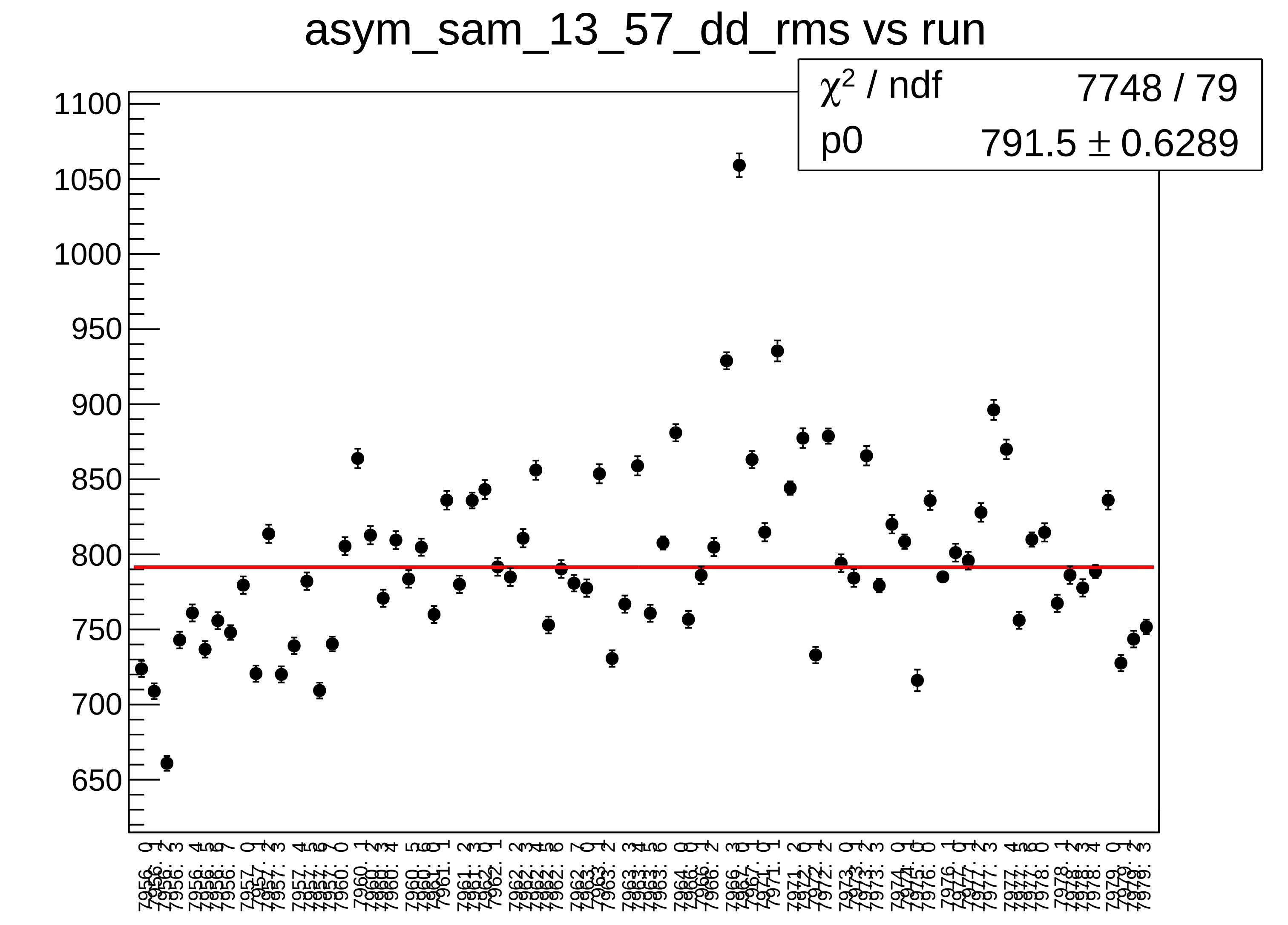
asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 113 / 79
p0 1033 ± 878.3
pull
Entries 80
Mean 6113
Std Dev 6068
pull1D
Entries 80
Mean 0.0008326
Std Dev 1.189



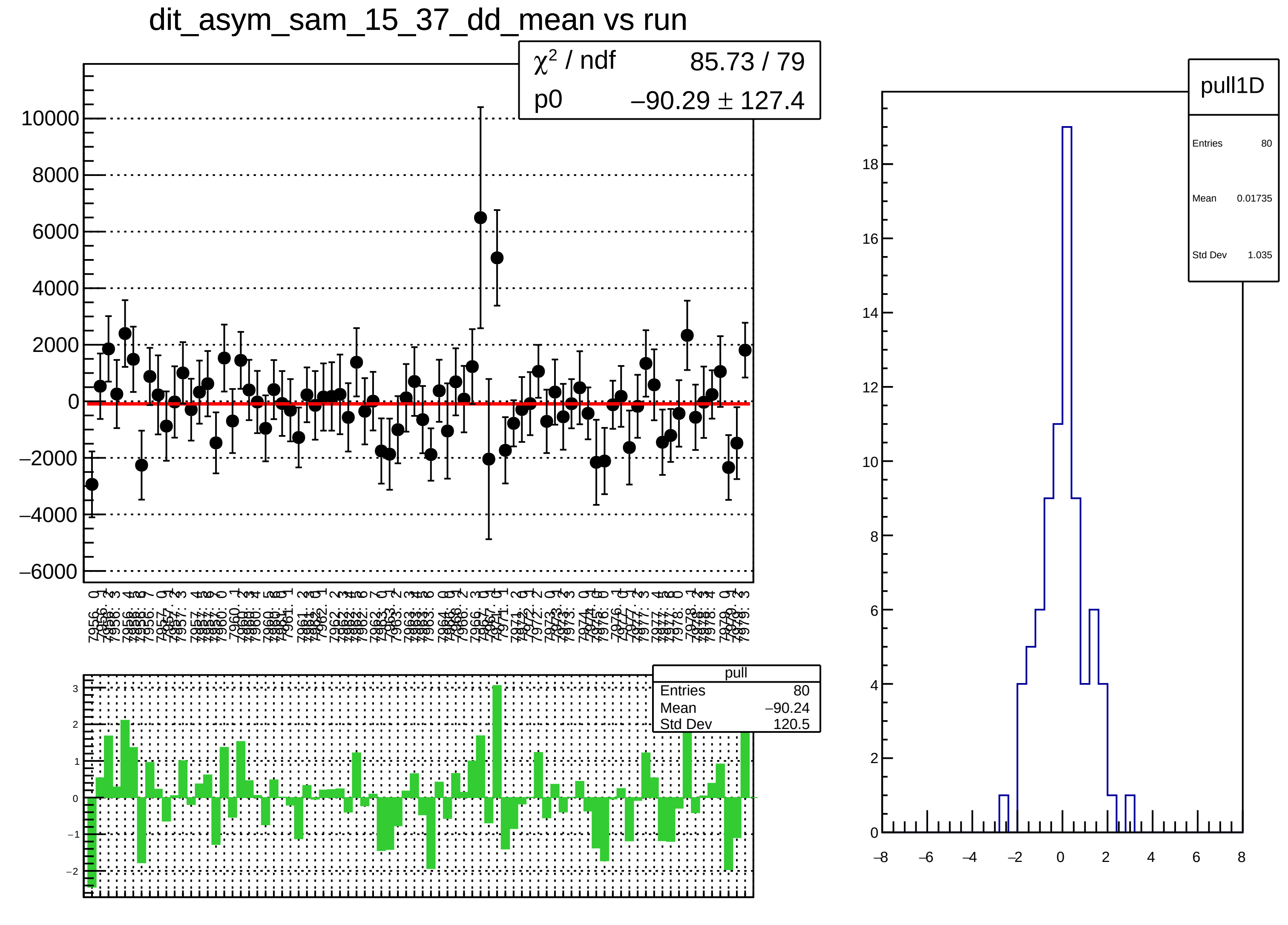
asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 5407 / 79
p0 782.3 ± 0.6211
950
900
850
800
750
700
650



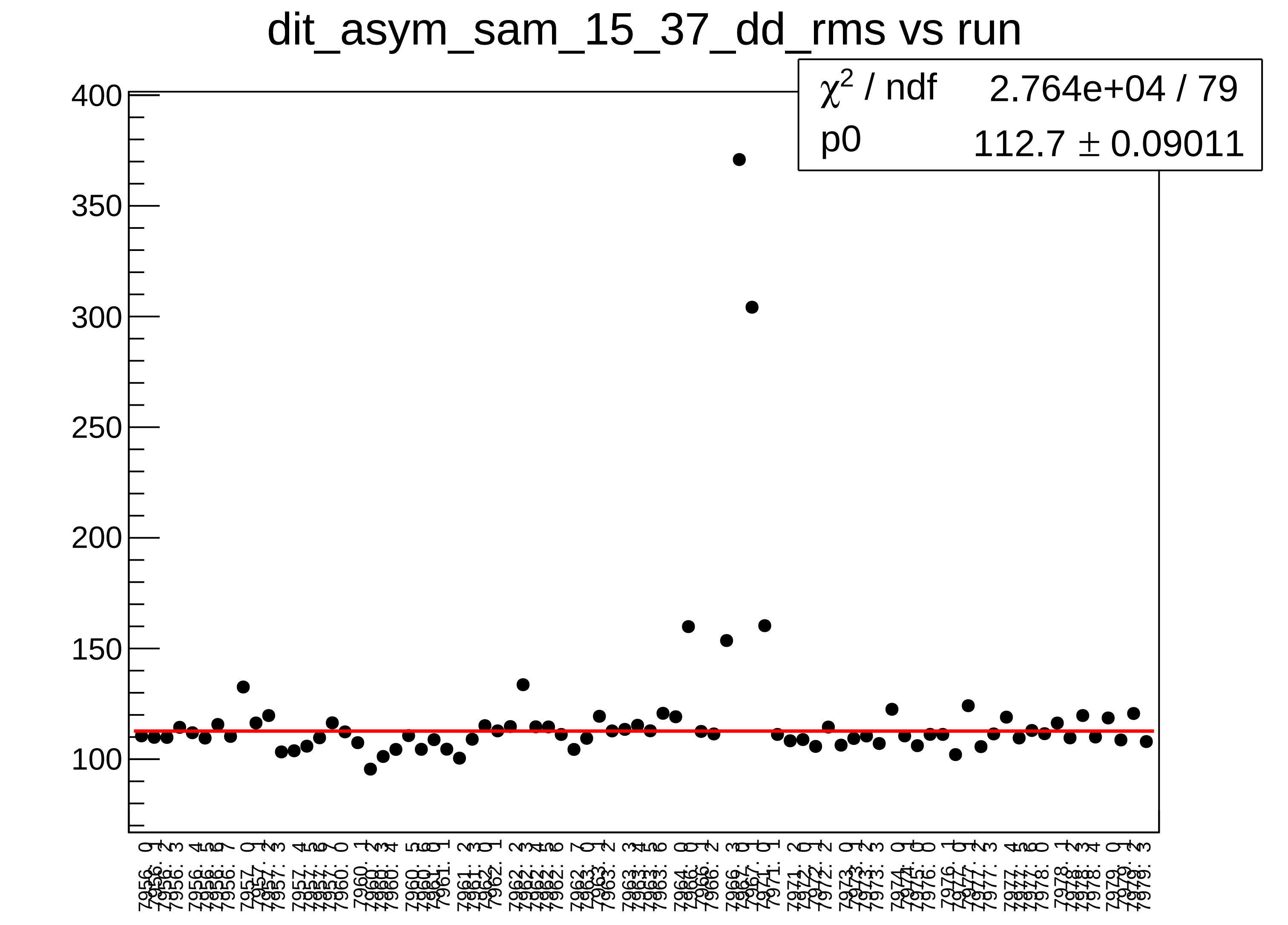
asym_sam_13_57_dd_mean vs run
χ^2 / ndf 113.6 / 79
p0 −883.8 ± 889.4
pull
Entries 80
Mean 7956
Std Dev 7912
pull1D
Entries 80
Mean −0.0006083
Std Dev 1.192

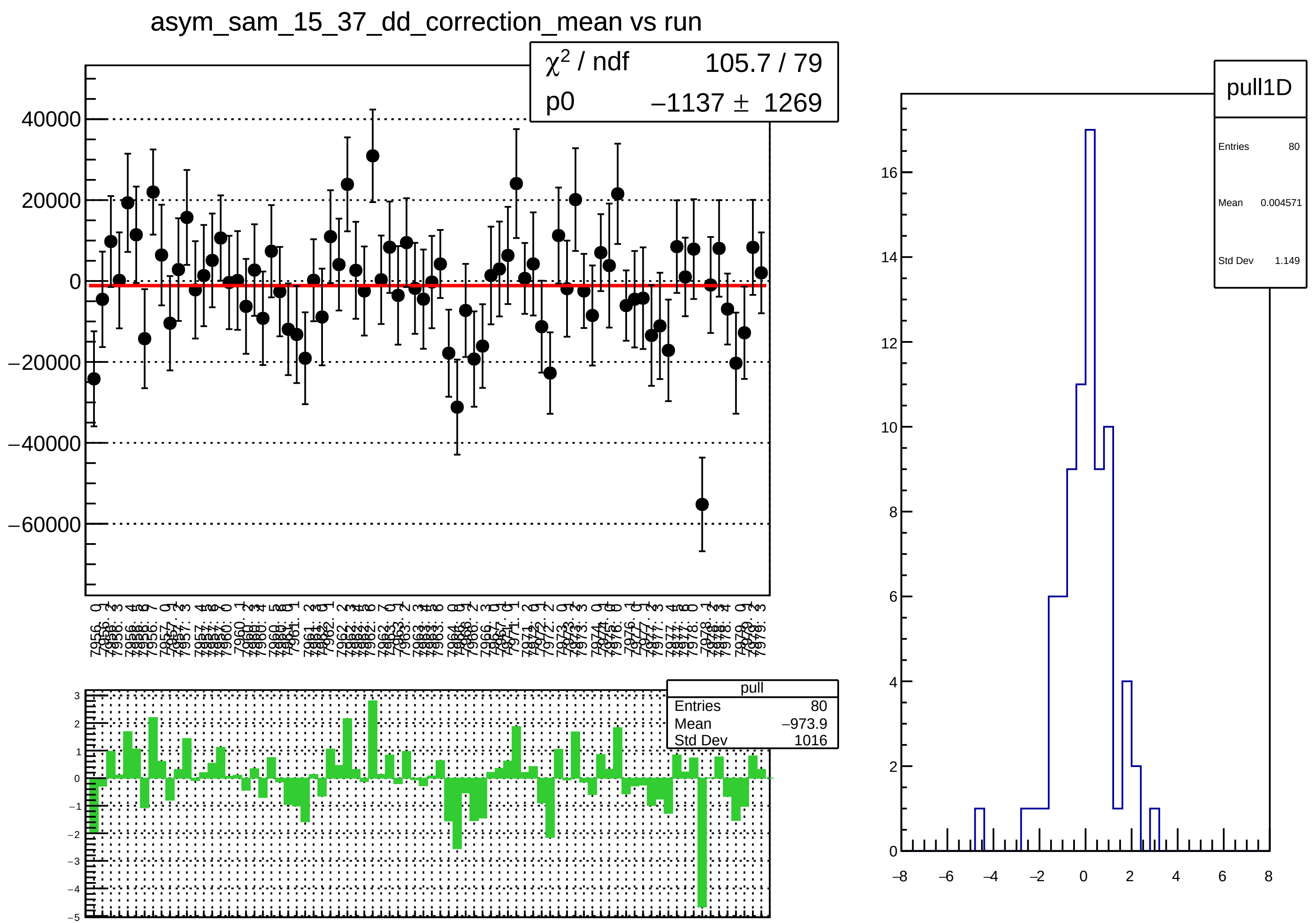


asym_sam_13_57_dd_rms vs run
χ^2 / ndf 7748 / 79
p0 791.5 ± 0.6289
1100
1050
1000
950
900
850
800
750
700
650

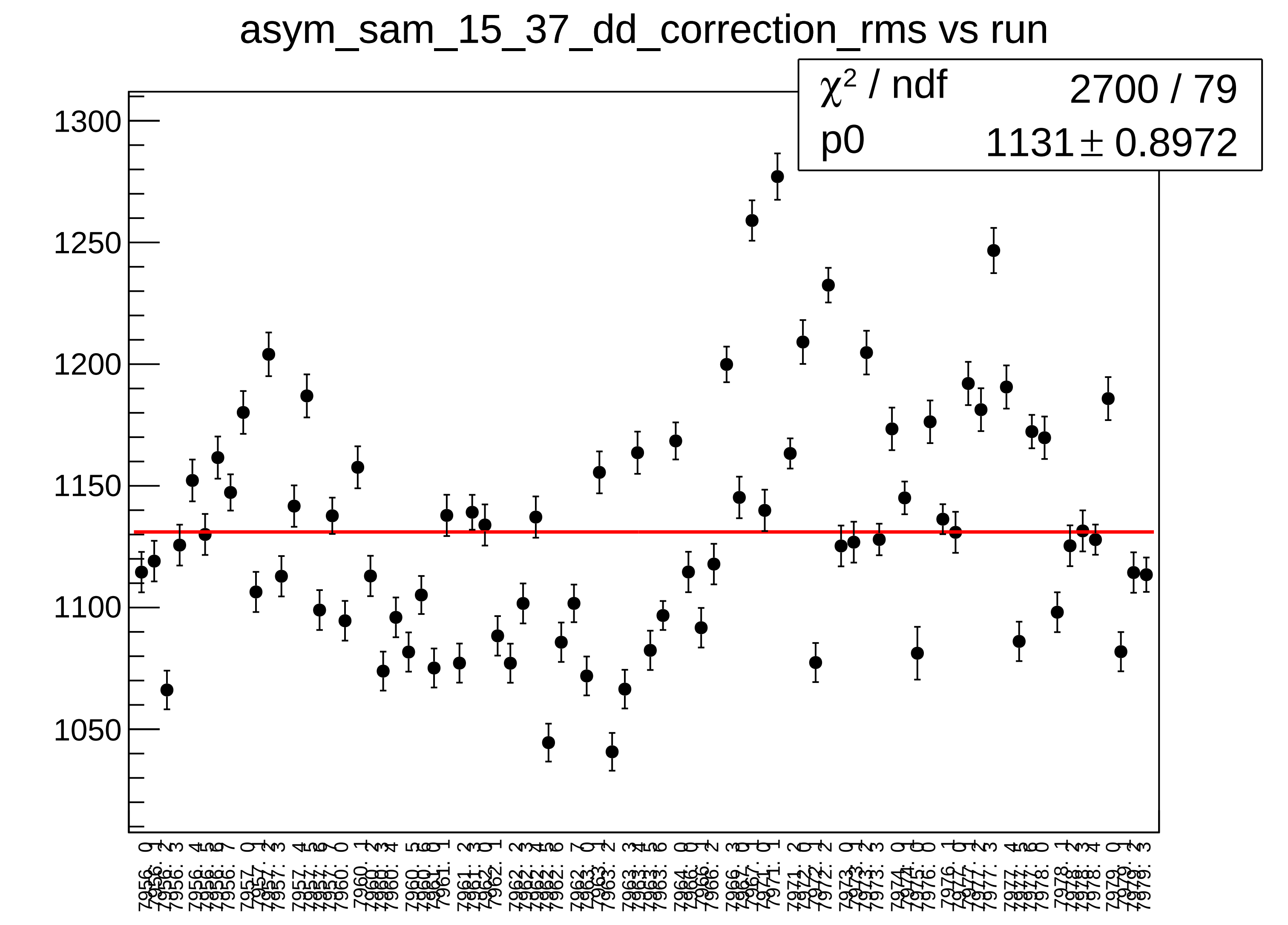


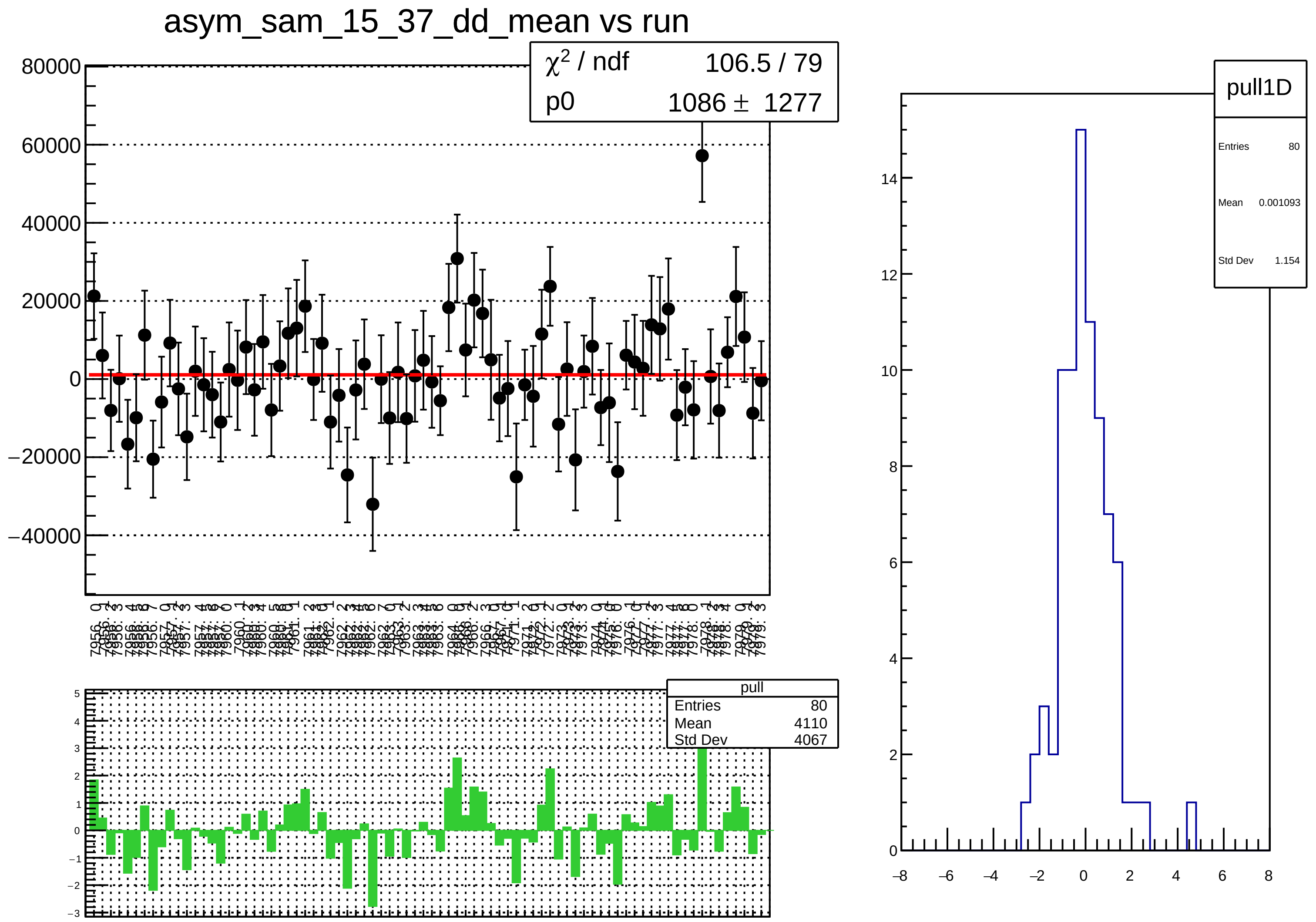
dit_asym_sam_15_37_dd_mean vs run
χ2 / ndf 85.73 / 79
p0 −90.29 ± 127.4
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 80
Mean −90.24
Std Dev 120.5
pull1D
Entries 80
Mean 0.01735
Std Dev 1.035


dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 2.764e+04 / 79
p0 112.7 ± 0.09011
400
350
300
250
200
150
100

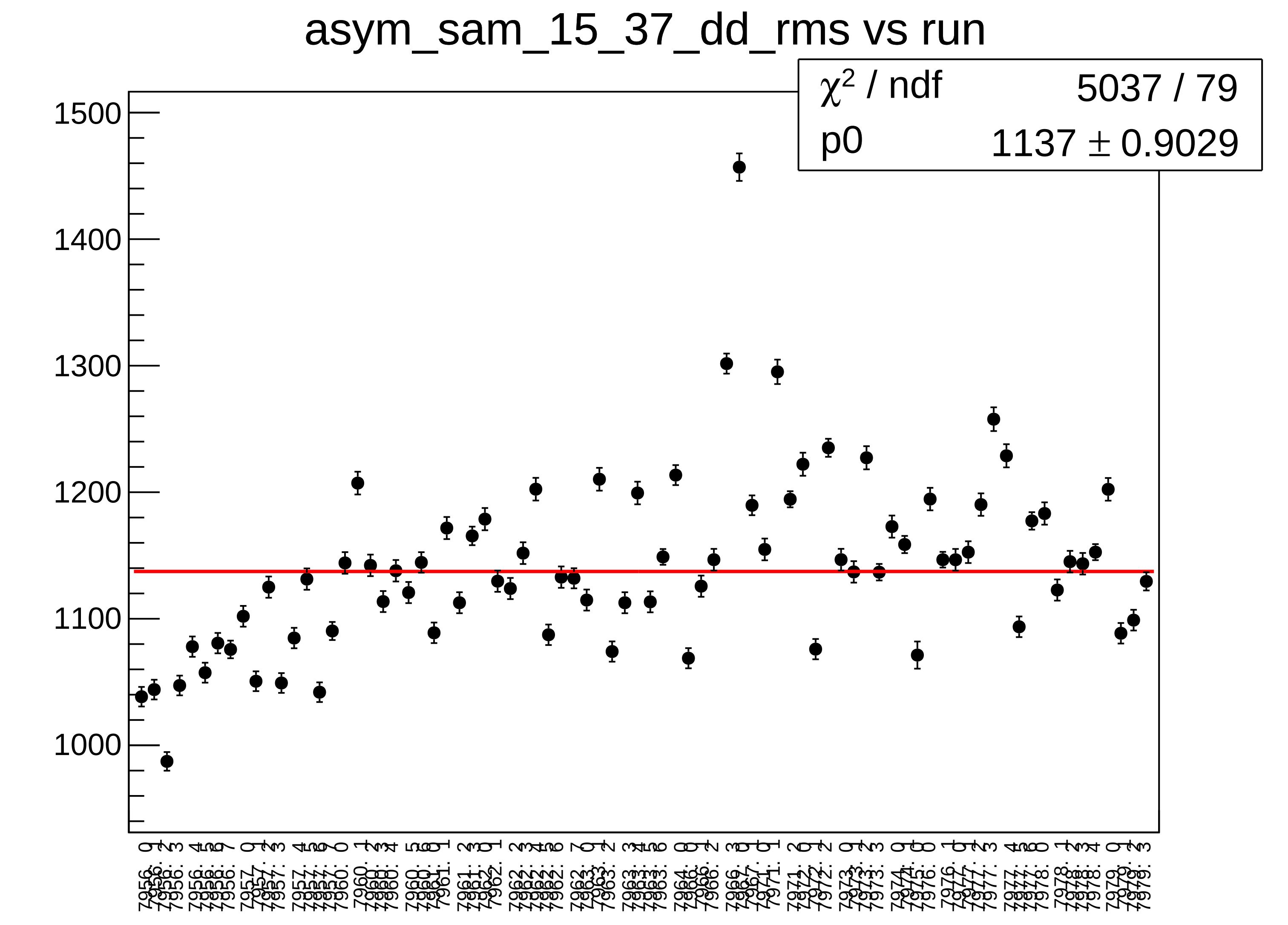


asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 105.7 / 79
p0 −1137 ± 1269
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −973.9
Std Dev 1016
pull1D
Entries 80
Mean 0.004571
Std Dev 1.149

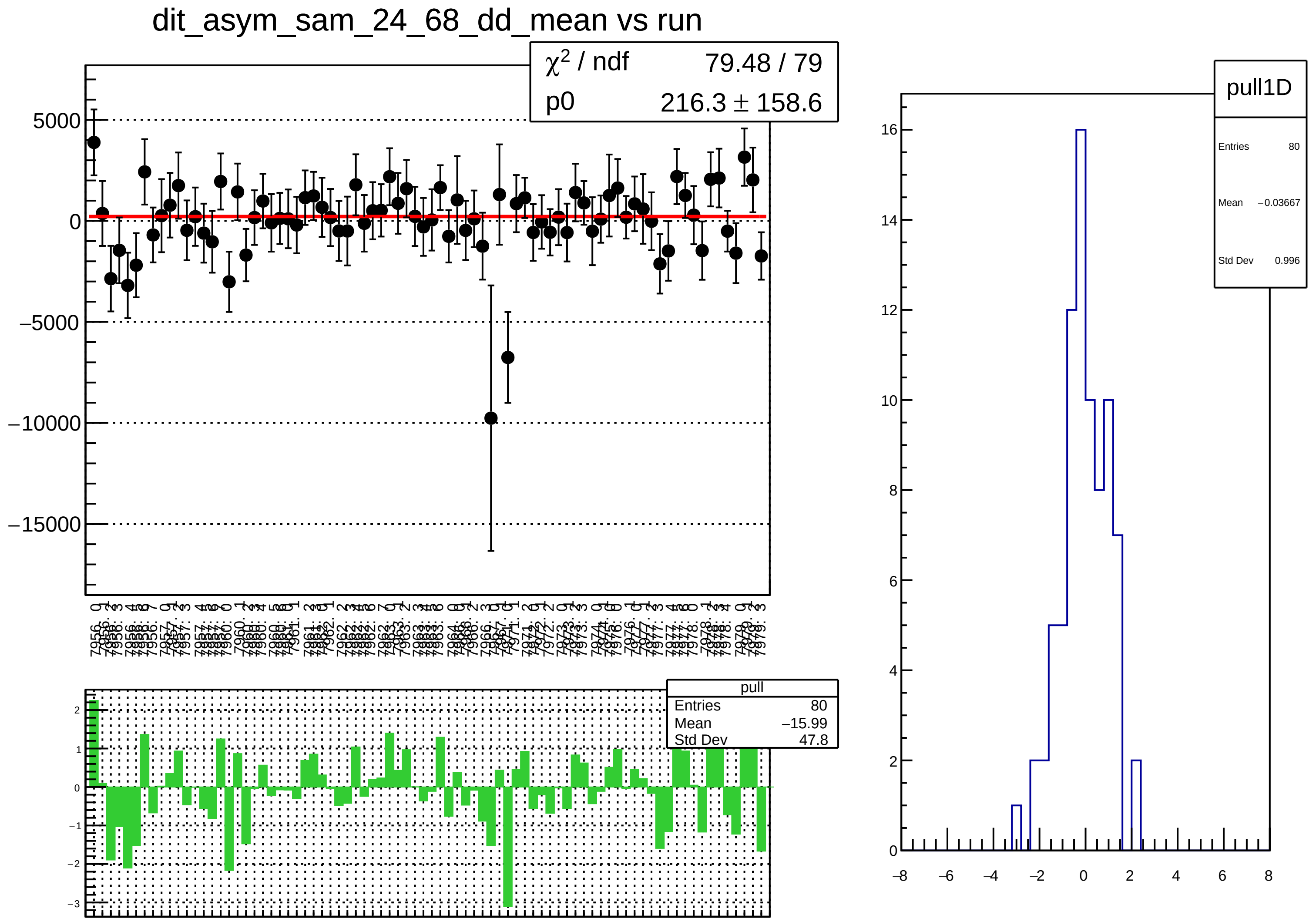

asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 2700 / 79
p0 1131 ± 0.8972
1300
1250
1200
1150
1100
1050

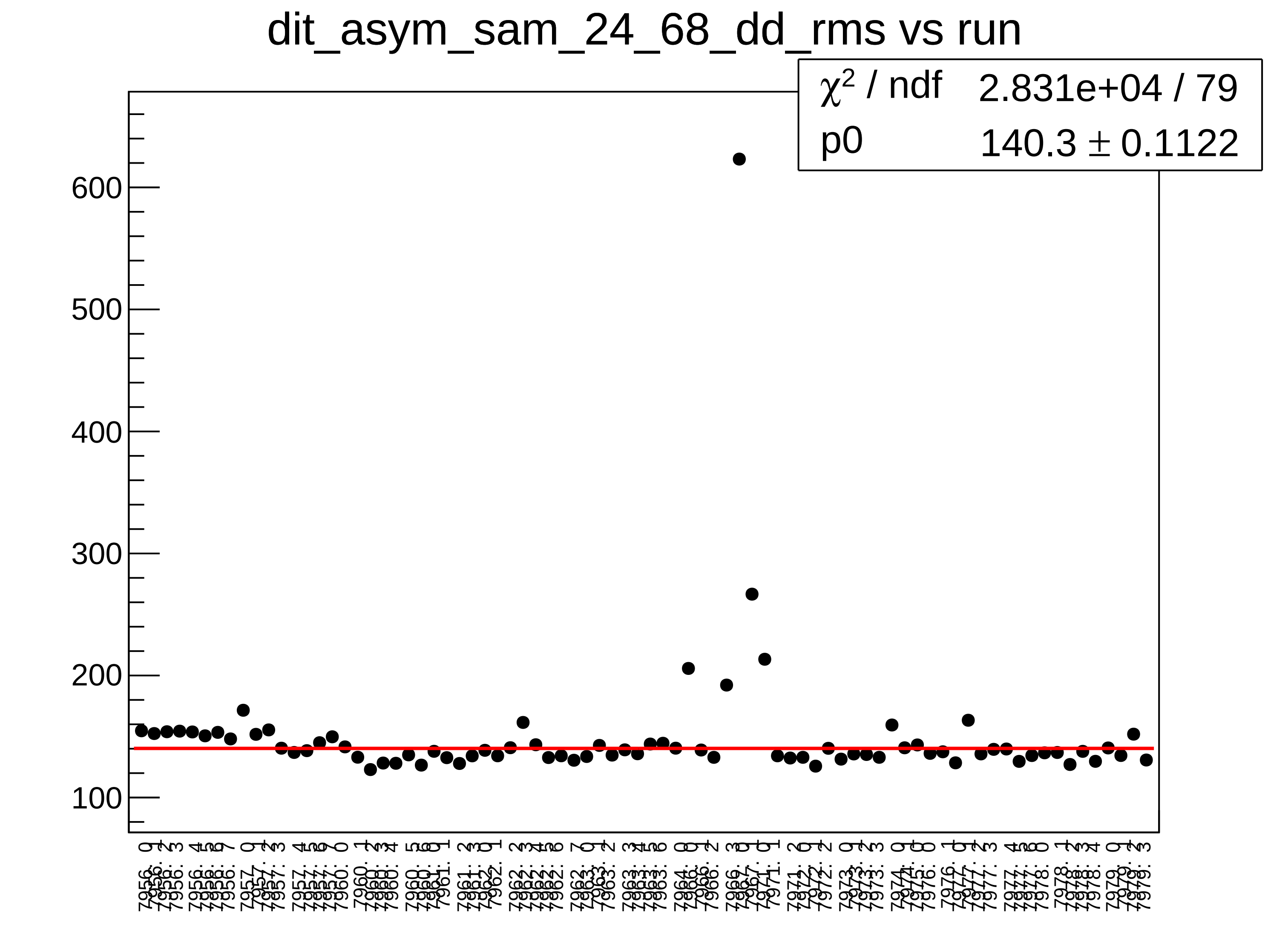


asym_sam_15_37_dd_mean vs run
χ2 / ndf 106.5 / 79
p0 1086 ± 1277
pull
Entries 80
Mean 4110
Std Dev 4067
pull1D
Entries 80
Mean 0.001093
Std Dev 1.154

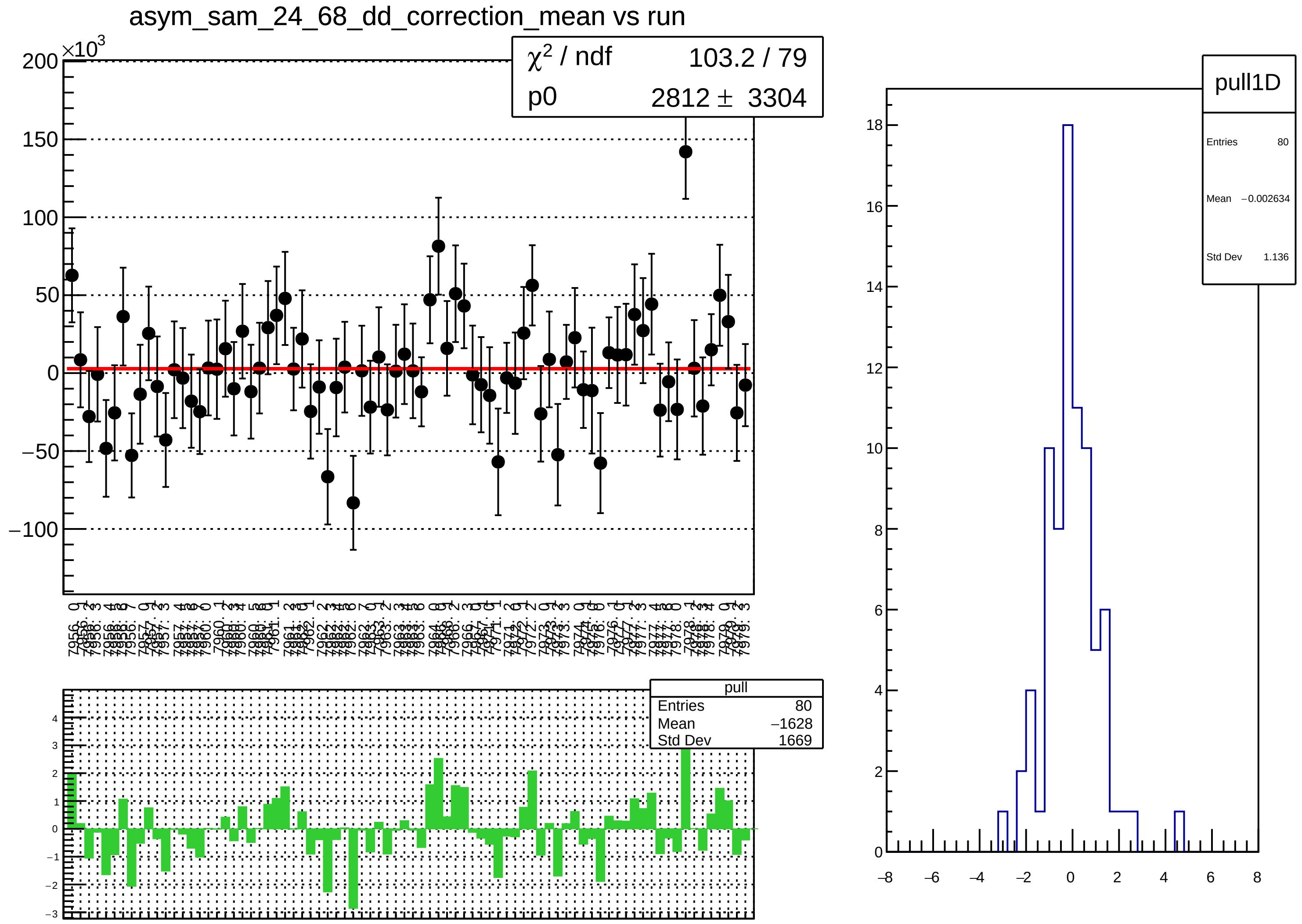


asym_sam_15_37_dd_rms vs run
χ2 / ndf 5037 / 79
p0 1137 ± 0.9029
1500
1400
1300
1200
1100
1000

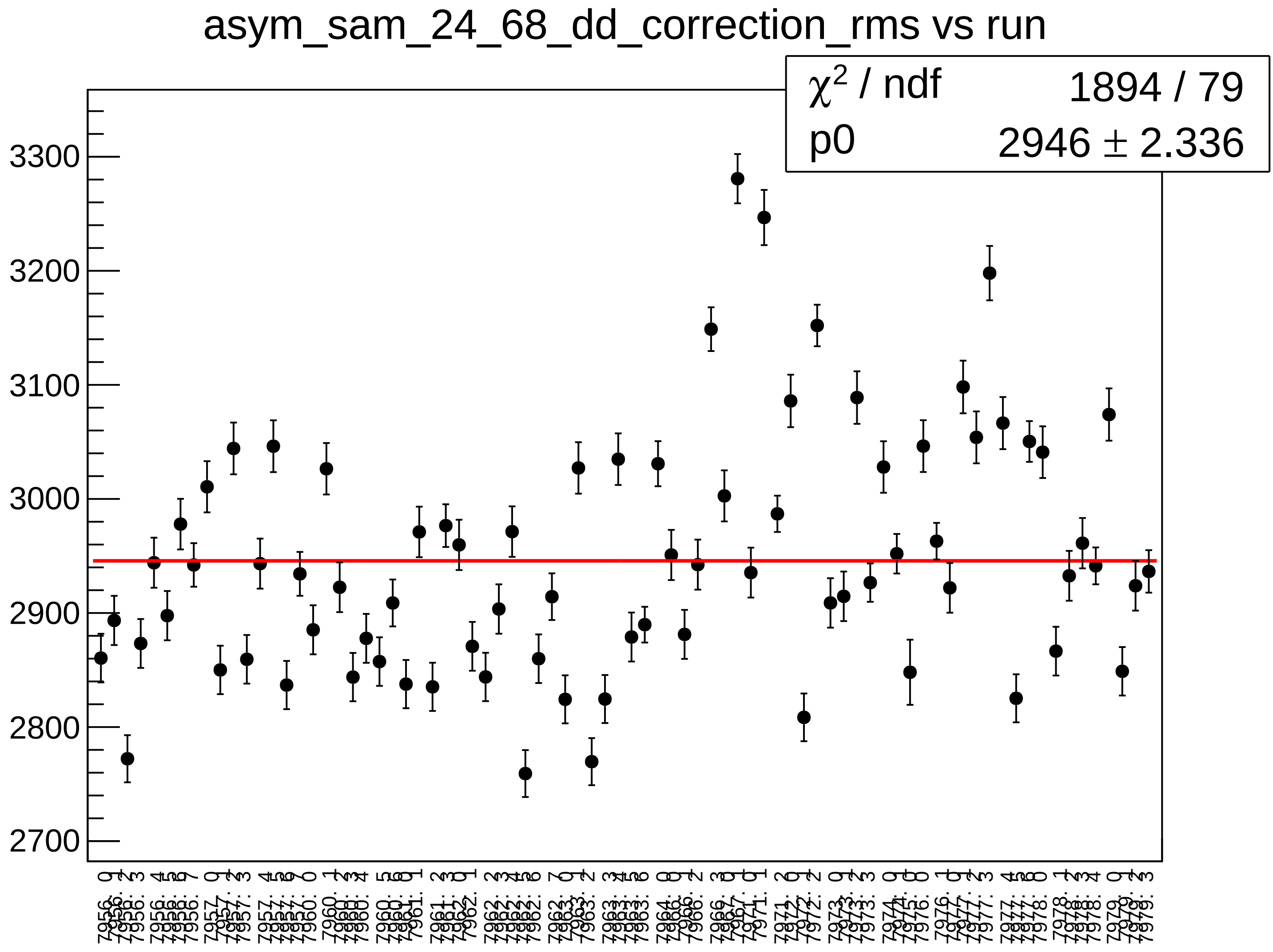

dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 79.48 / 79
p0 216.3 ± 158.6
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −15.99
Std Dev 47.8
pull1D
Entries 80
Mean −0.03667
Std Dev 0.996

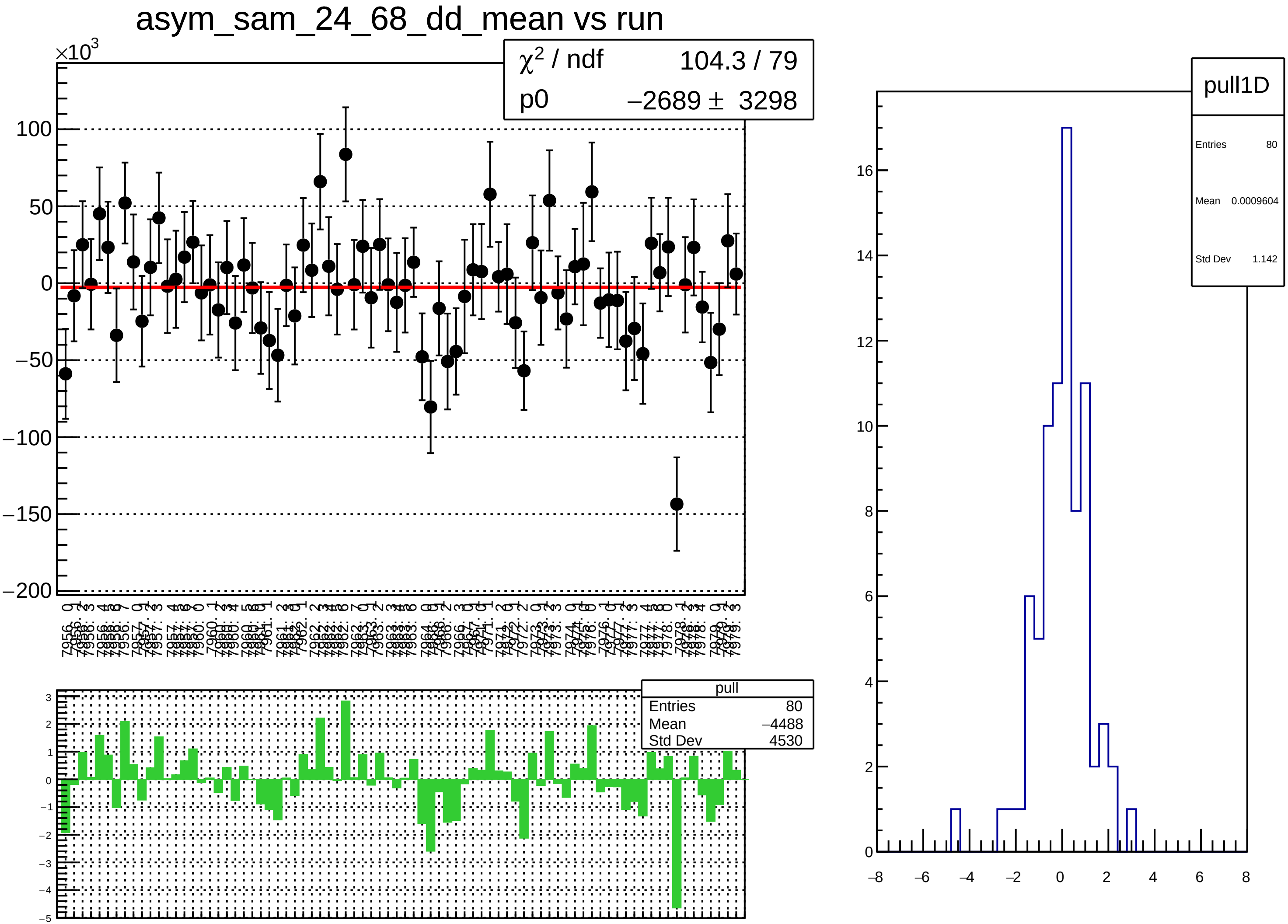


dit_asym_sam_24_68_dd_rms vs run
χ2 / ndf 2.831e+04 / 79
p0 140.3 ± 0.1122

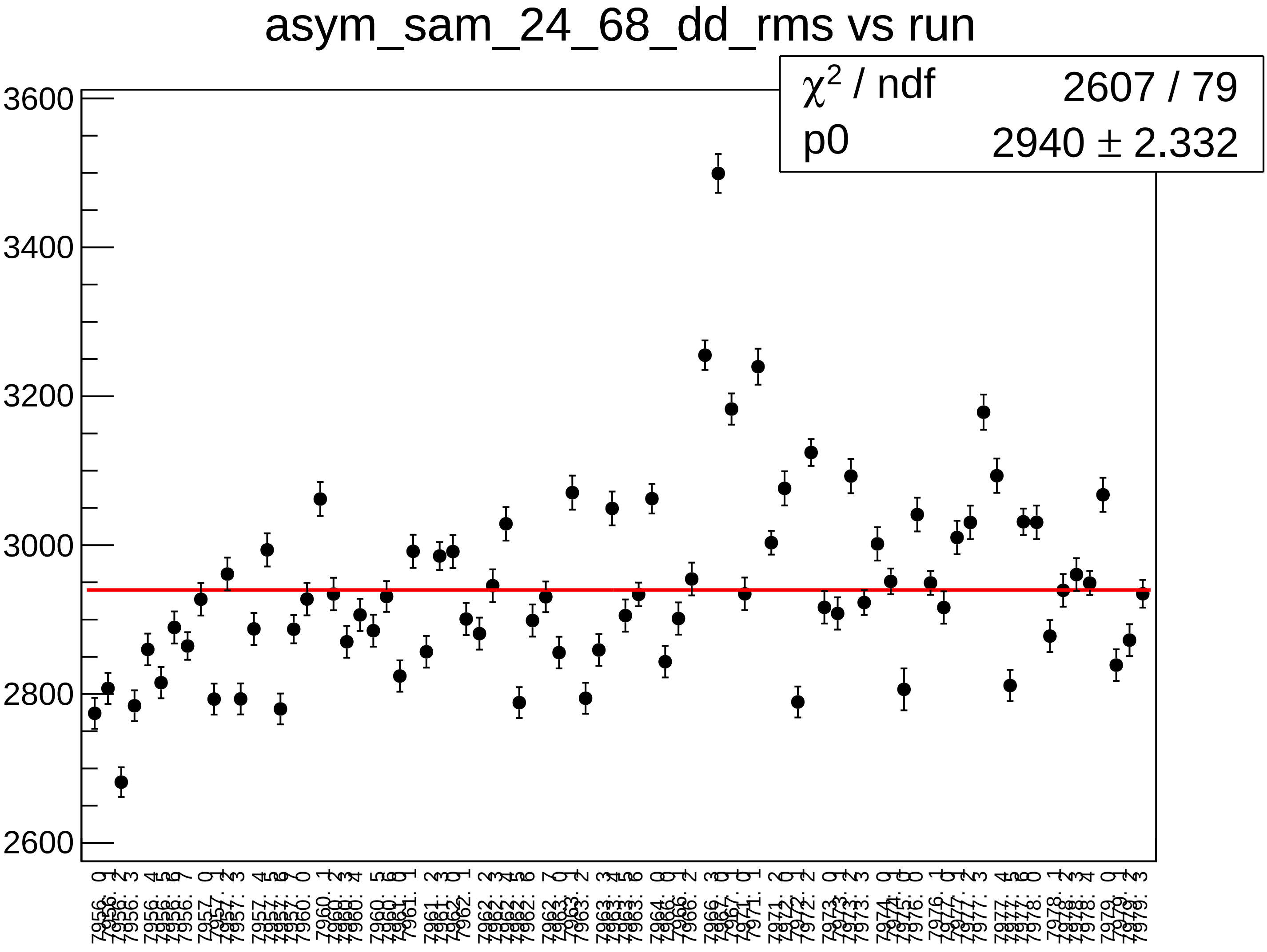


asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 103.2 / 79
p0 2812 ± 3304
×10^3
200
150
100
50
0
−50
−100
pull
Entries 80
Mean −1628
Std Dev 1669
pull1D
Entries 80
Mean −0.002634
Std Dev 1.136

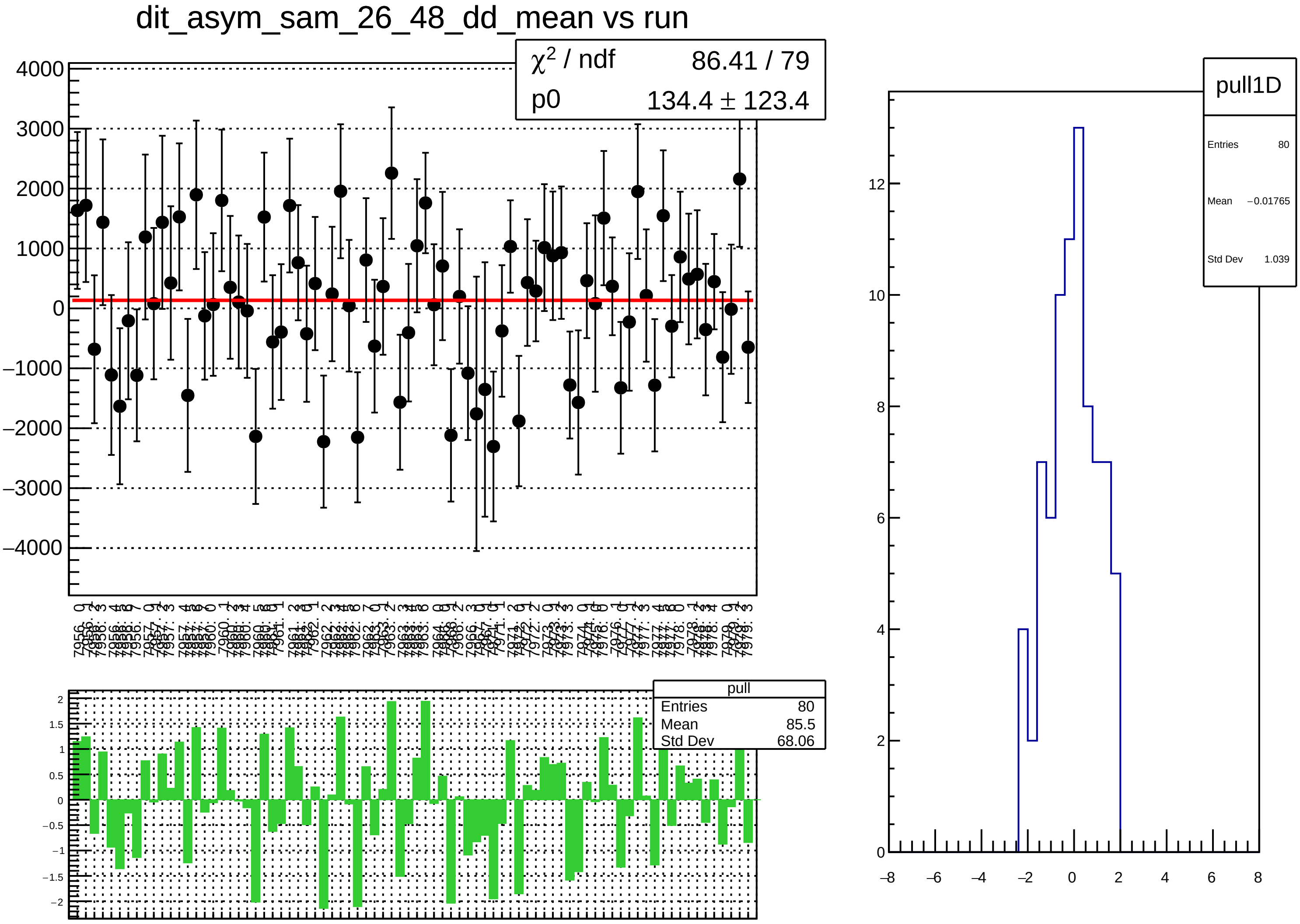

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 1894 / 79
p0 2946 ± 2.336
3300
3200
3100
3000
2900
2800
2700



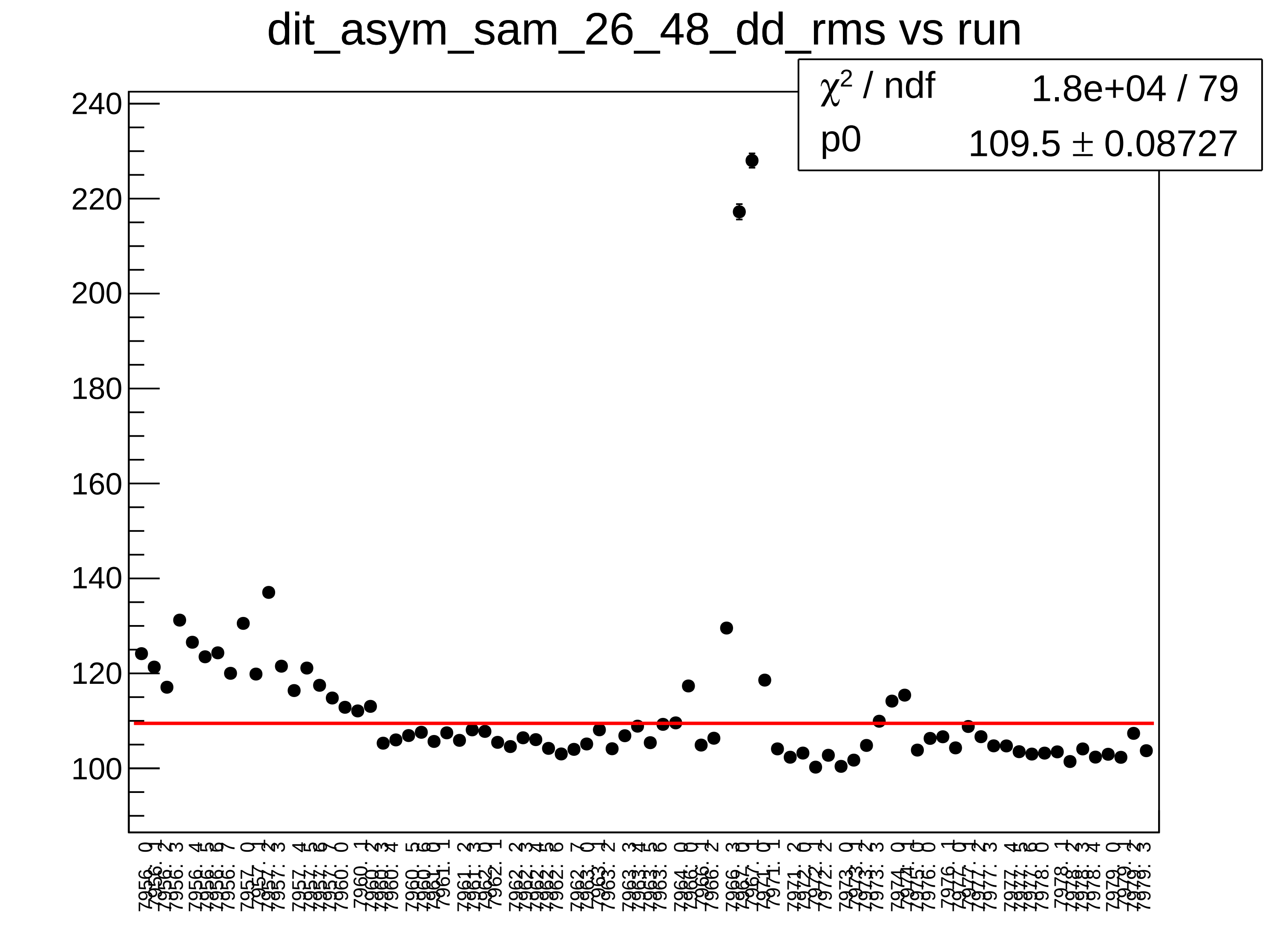
asym_sam_24_68_dd_mean vs run
×10^3
χ2 / ndf 104.3 / 79
p0 −2689 ± 3298
pull
Entries 80
Mean −4488
Std Dev 4530
pull1D
Entries 80
Mean 0.0009604
Std Dev 1.142



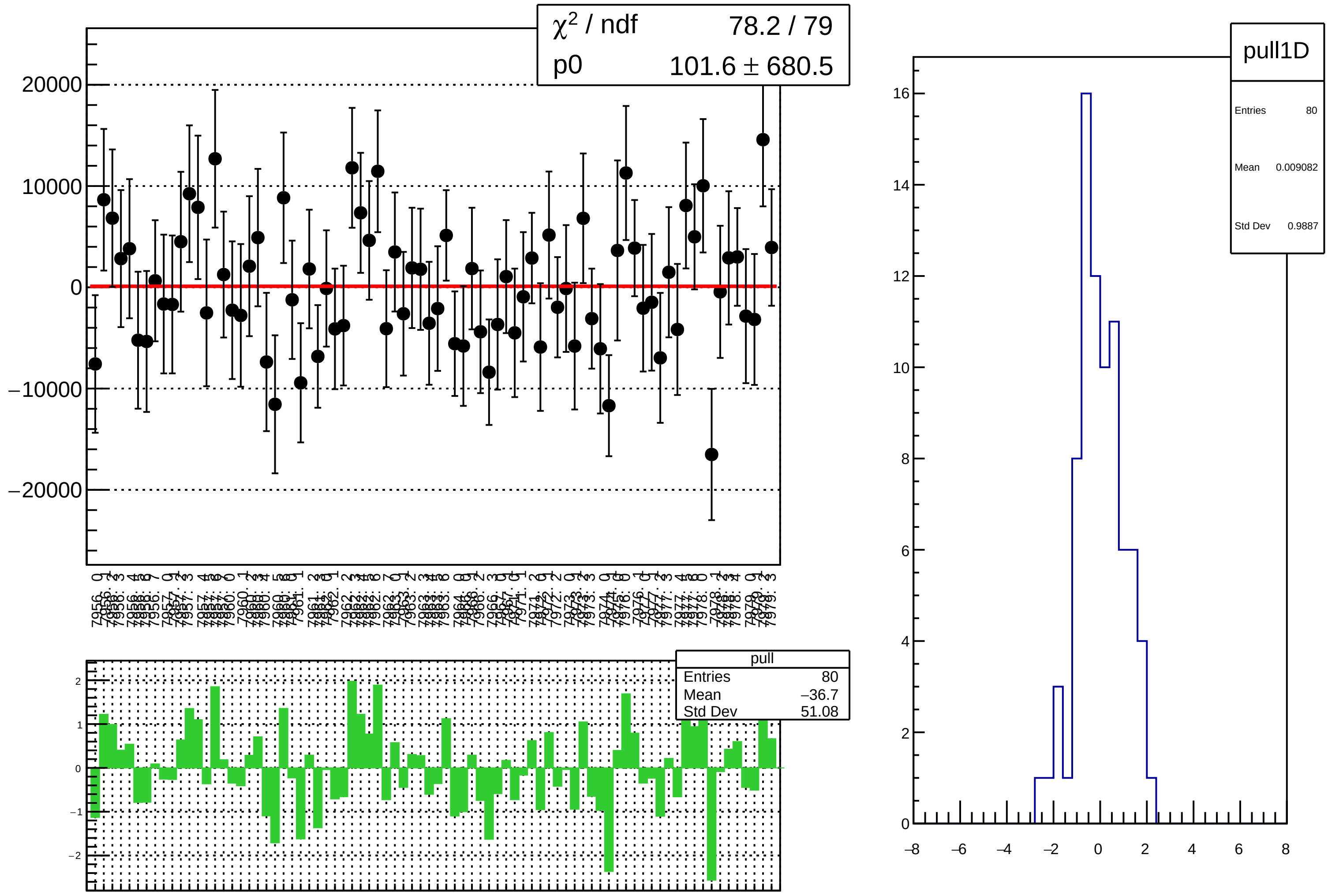
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2607 / 79
p0 2940 ± 2.332
3600
3400
3200
3000
2800
2600

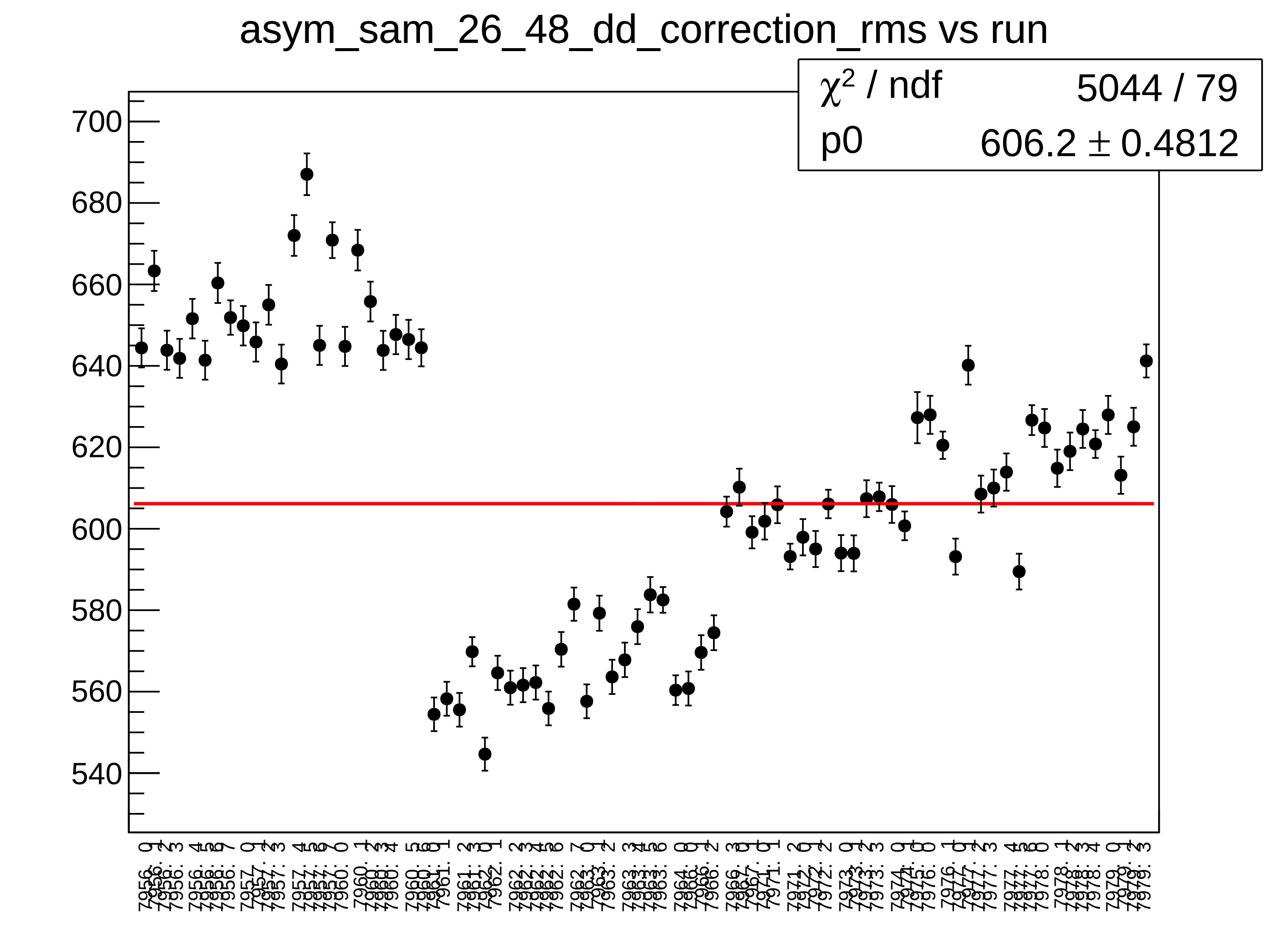


dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 86.41 / 79
p0 134.4 ± 123.4
pull
Entries 80
Mean 85.5
Std Dev 68.06
pull1D
Entries 80
Mean −0.01765
Std Dev 1.039

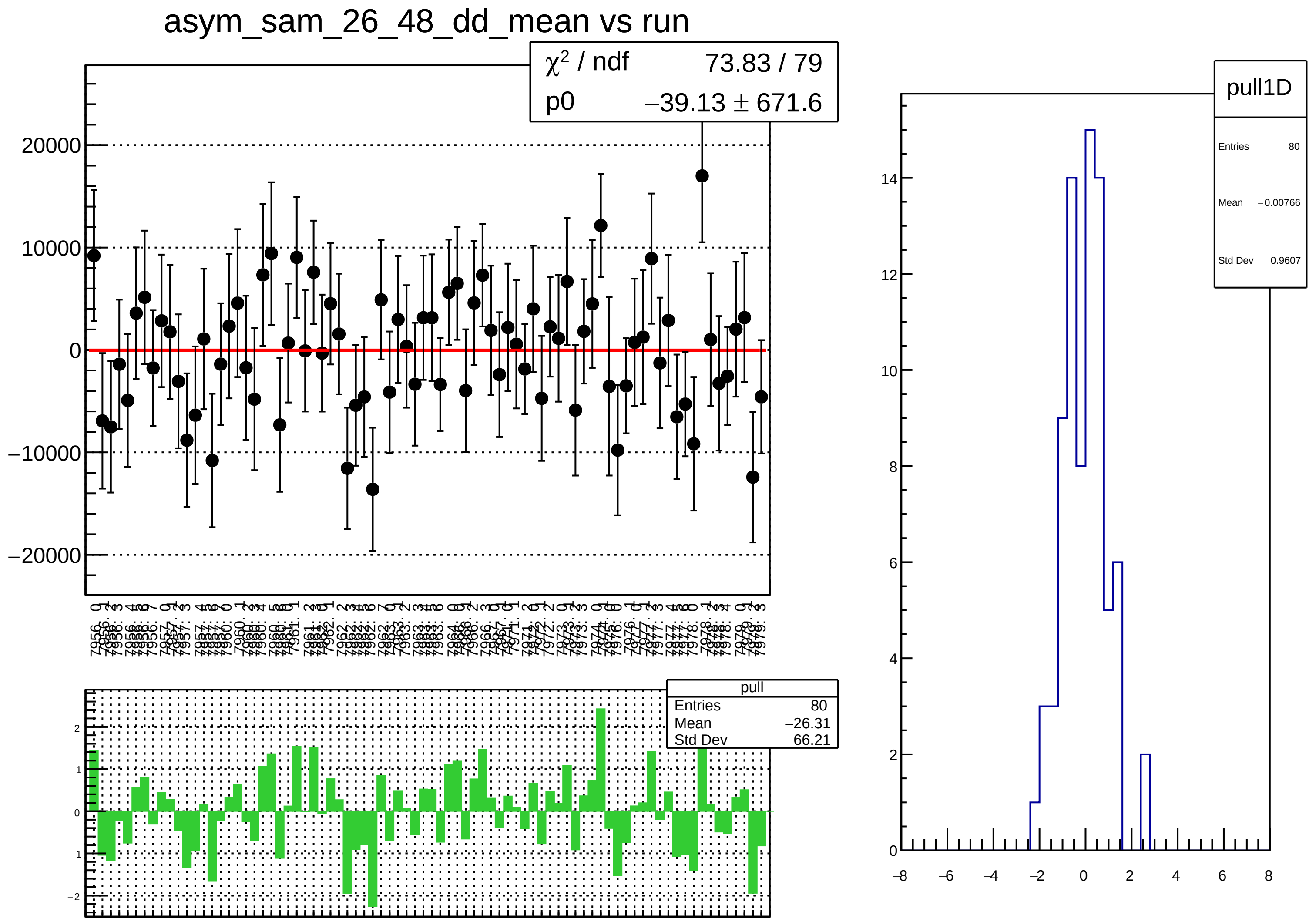

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.8e+04 / 79
p0 109.5 ± 0.08727
240
220
200
180
160
140
120
100

asym_sam_26_48_dd_correction_mean vs run

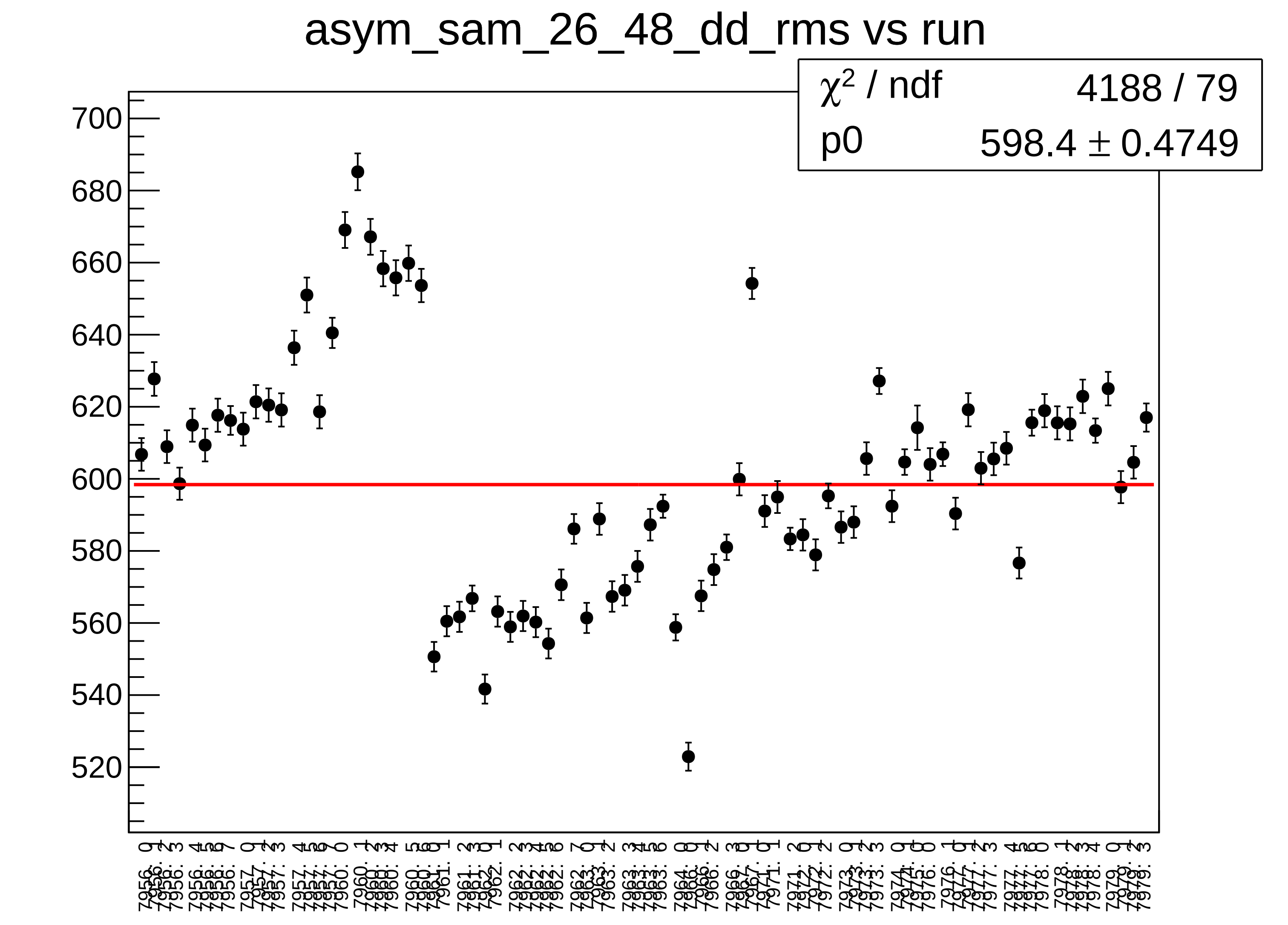


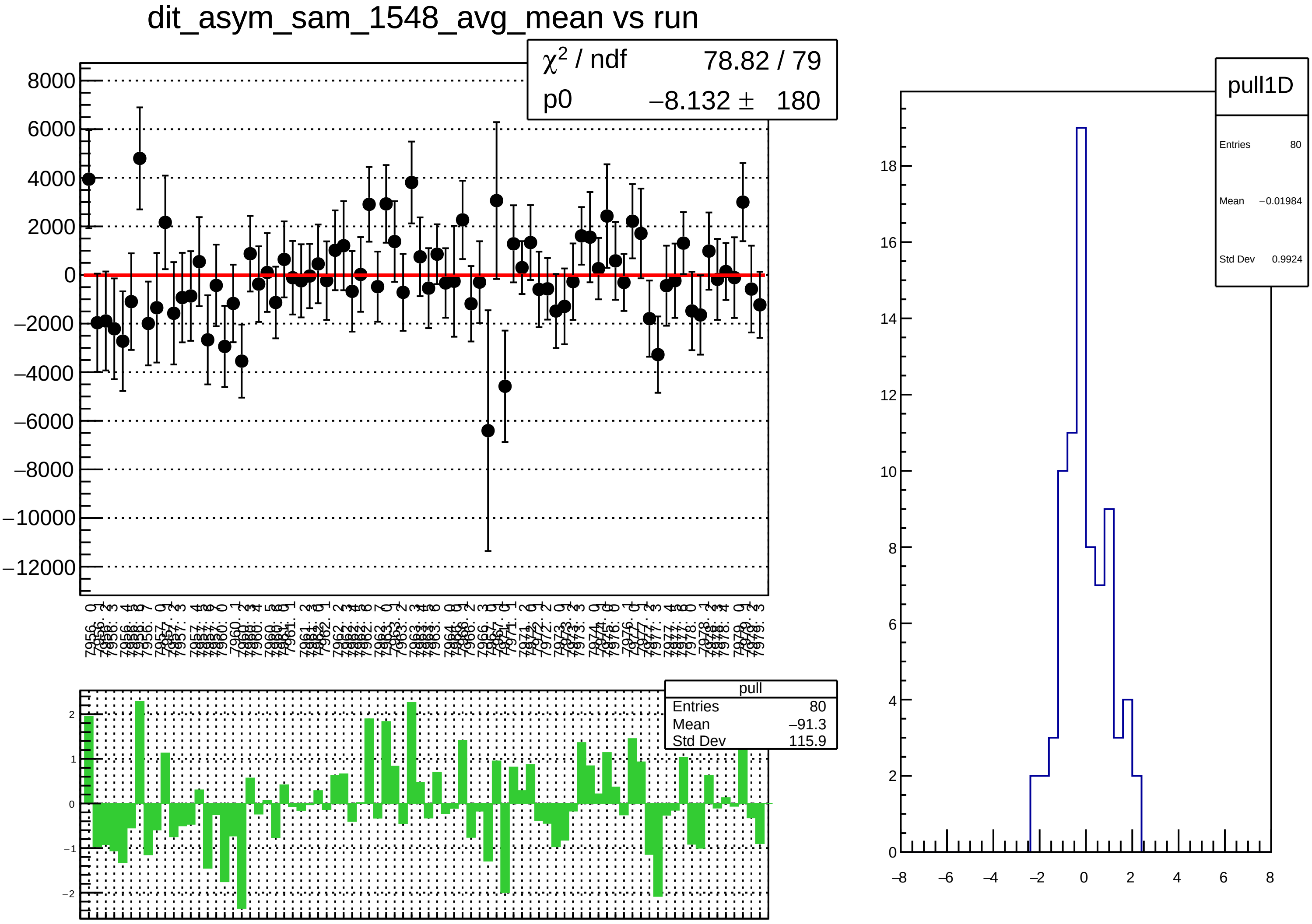


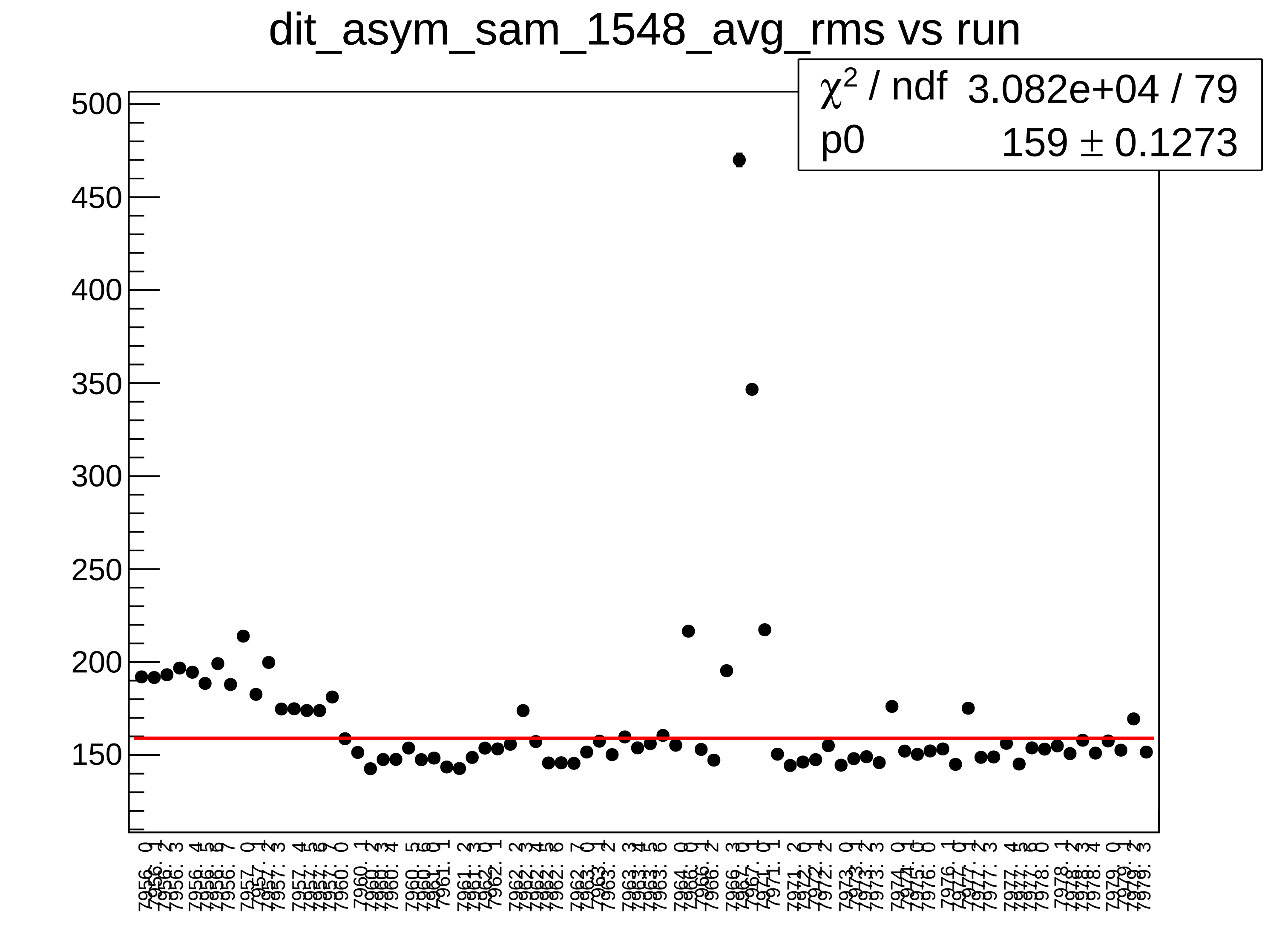
asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 5044 / 79
p0 606.2 ± 0.4812
700
680
660
640
620
600
580
560
540



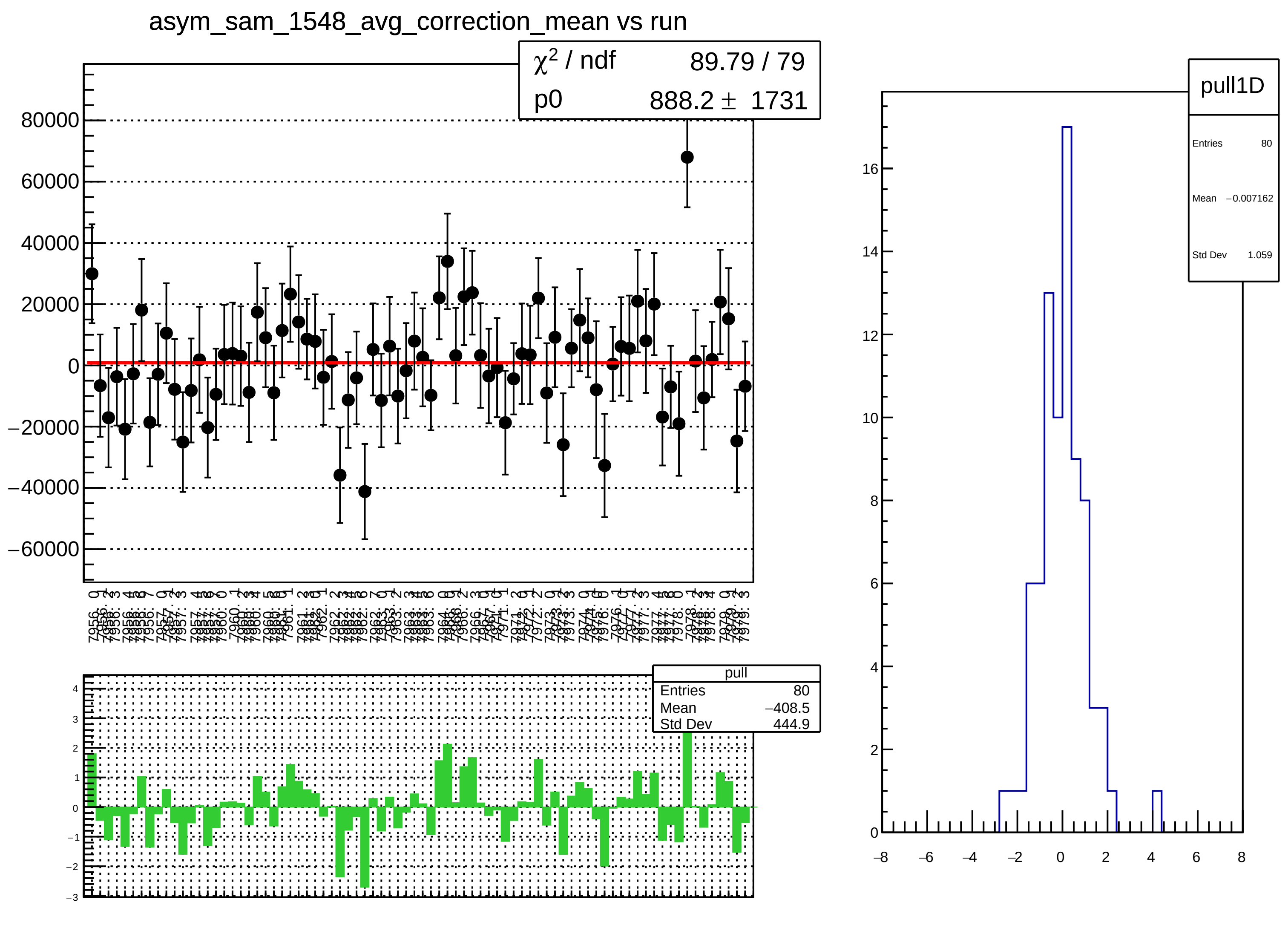
asym_sam_26_48_dd_mean vs run
χ2 / ndf 73.83 / 79
p0 −39.13 ± 671.6
20000
10000
0
−10000
−20000
pull
Entries 80
Mean −26.31
Std Dev 66.21
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.00766
Std Dev 0.9607
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


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

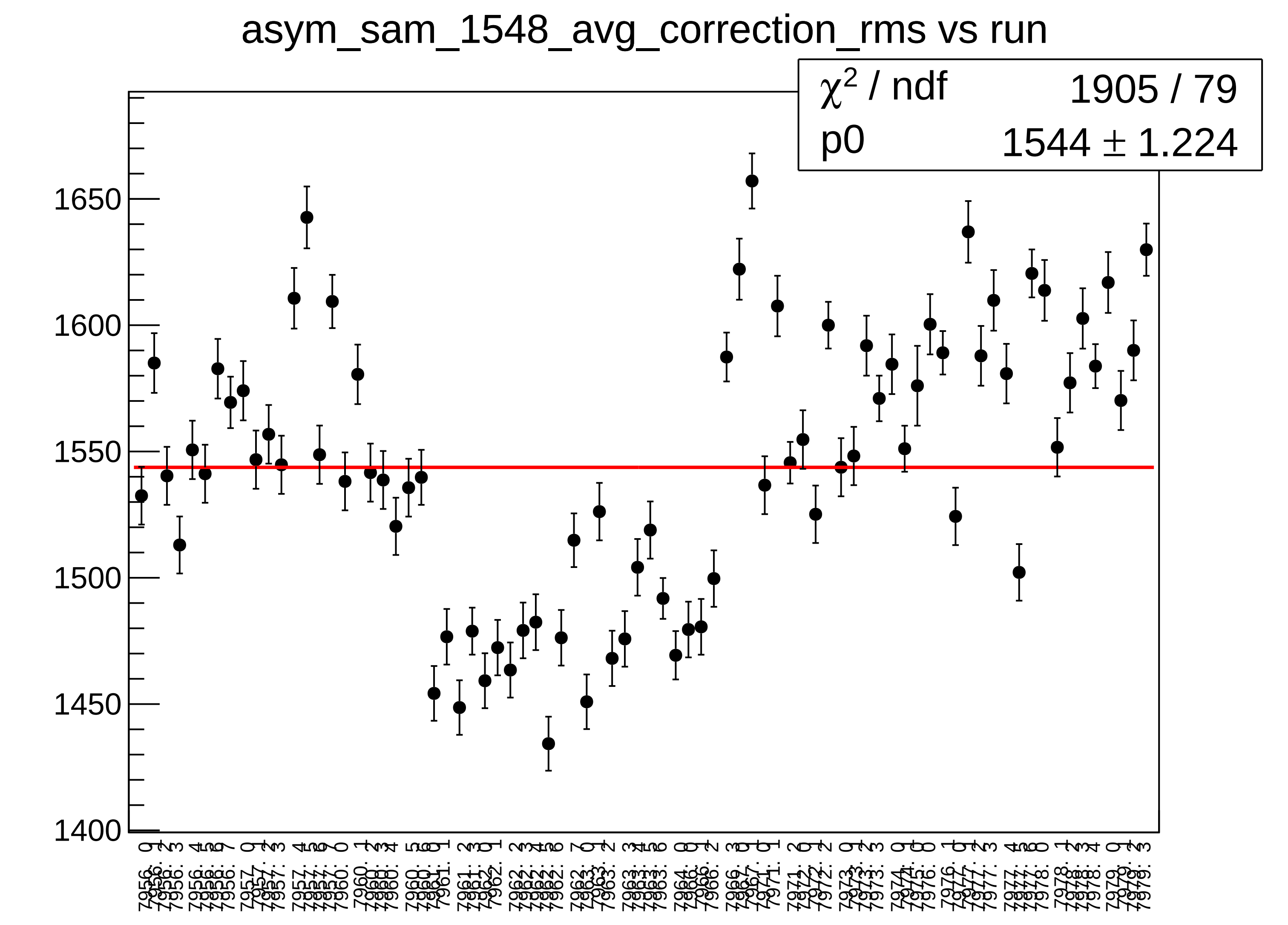

dit_asym_sam_1548_avg_mean vs run
χ2 / ndf 78.82 / 79
p0 −8.132 ± 180
pull
Entries 80
Mean −91.3
Std Dev 115.9
pull1D
Entries 80
Mean −0.01984
Std Dev 0.9924



dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3.082e+04 / 79
p0 159 ± 0.1273
500
450
400
350
300
250
200
150

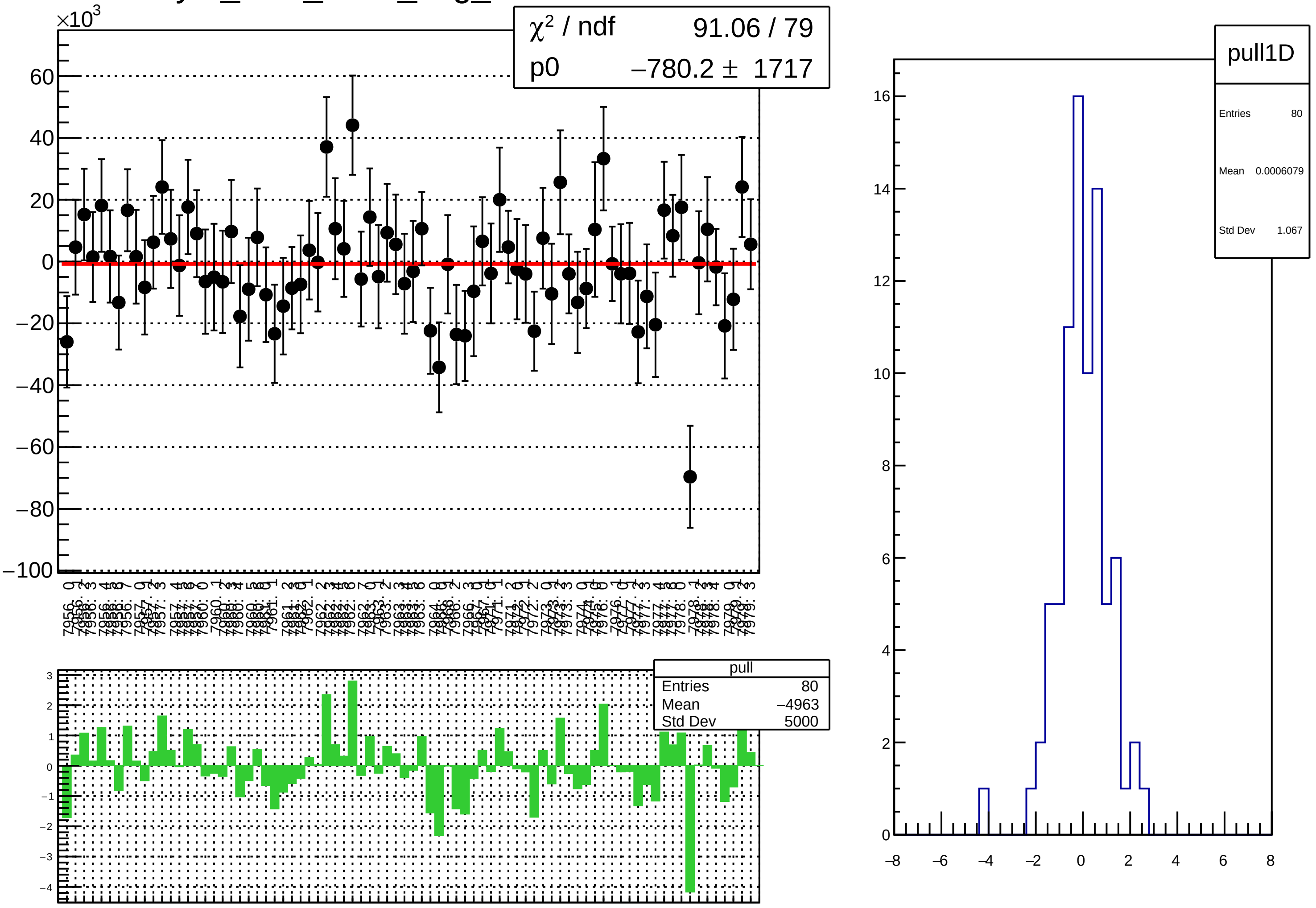


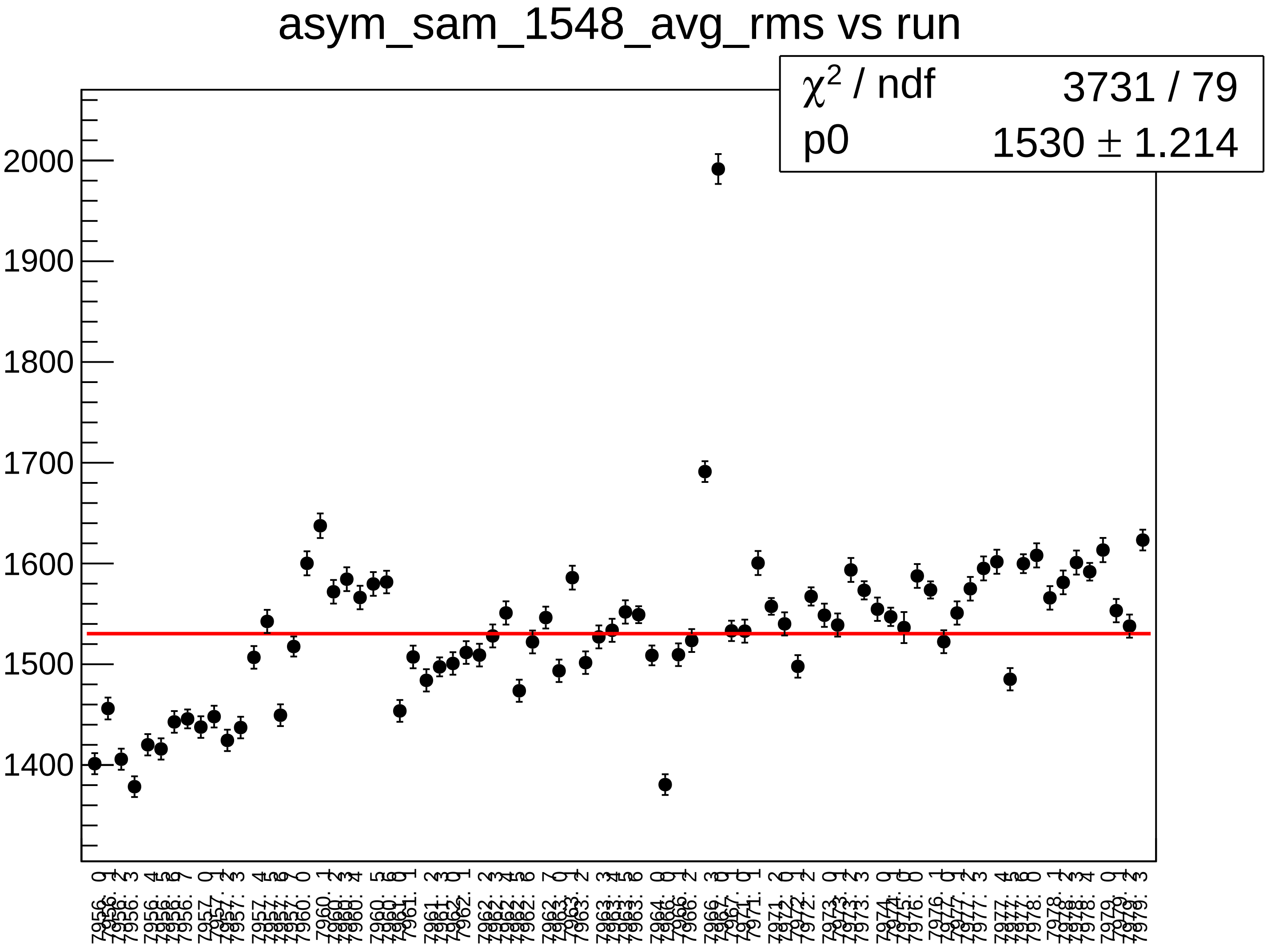
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 89.79 / 79
p0 888.2 ± 1731
pull
Entries 80
Mean −408.5
Std Dev 444.9
pull1D
Entries 80
Mean −0.007162
Std Dev 1.059

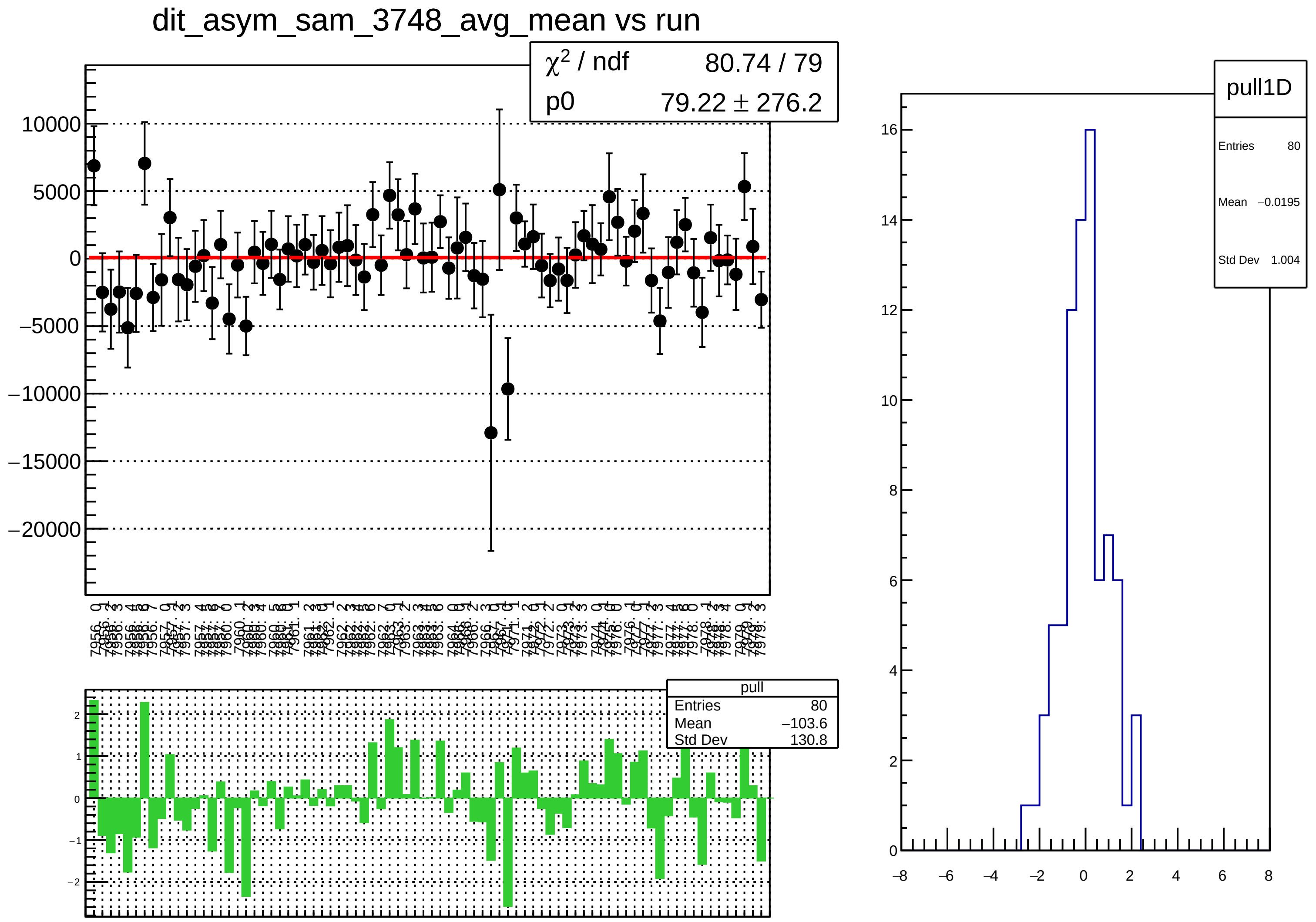


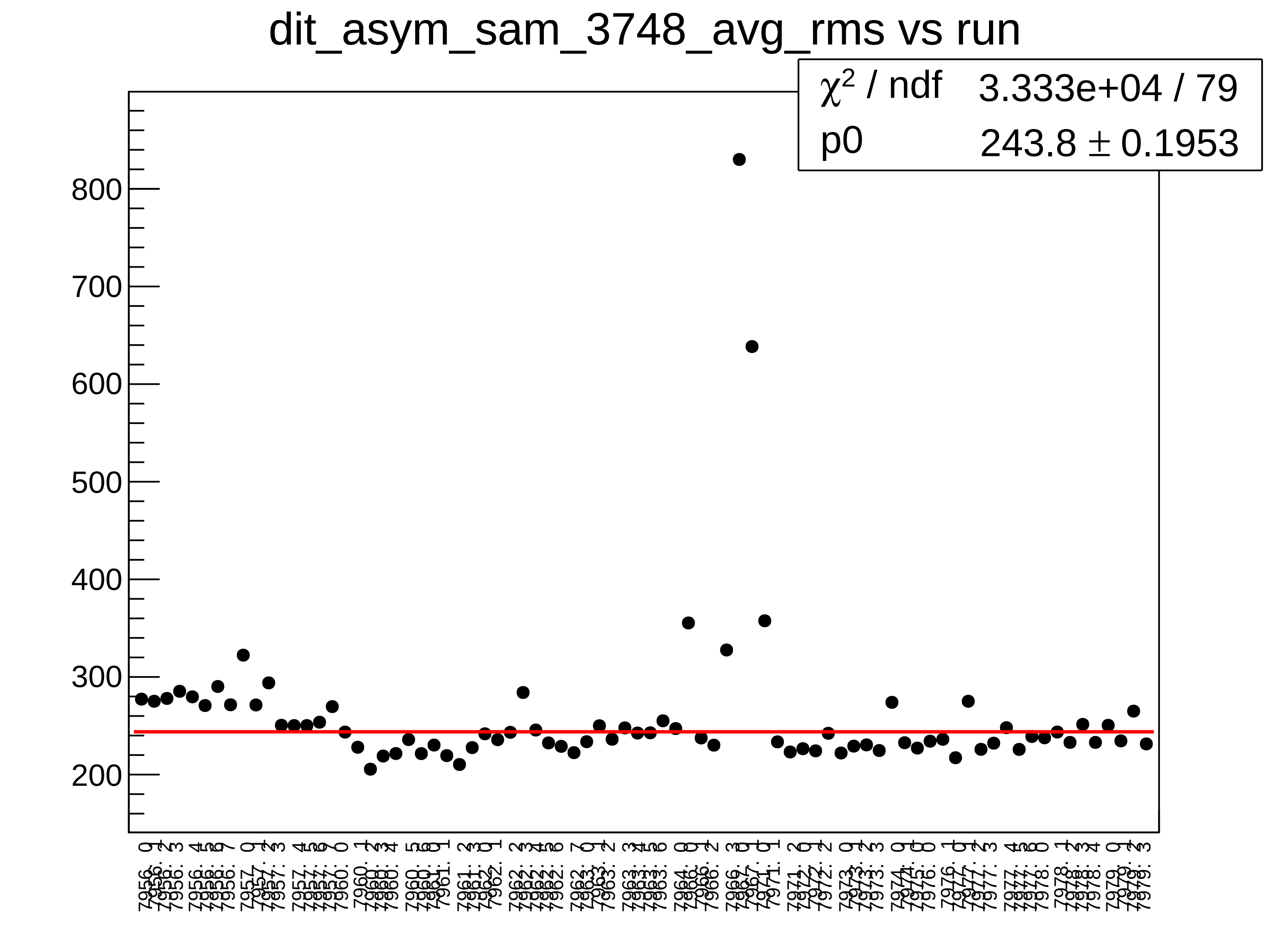
asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 1905 / 79
p0 1544 ± 1.224
1650
1600
1550
1500
1450
1400

asym_sam_1548_avg_mean vs run

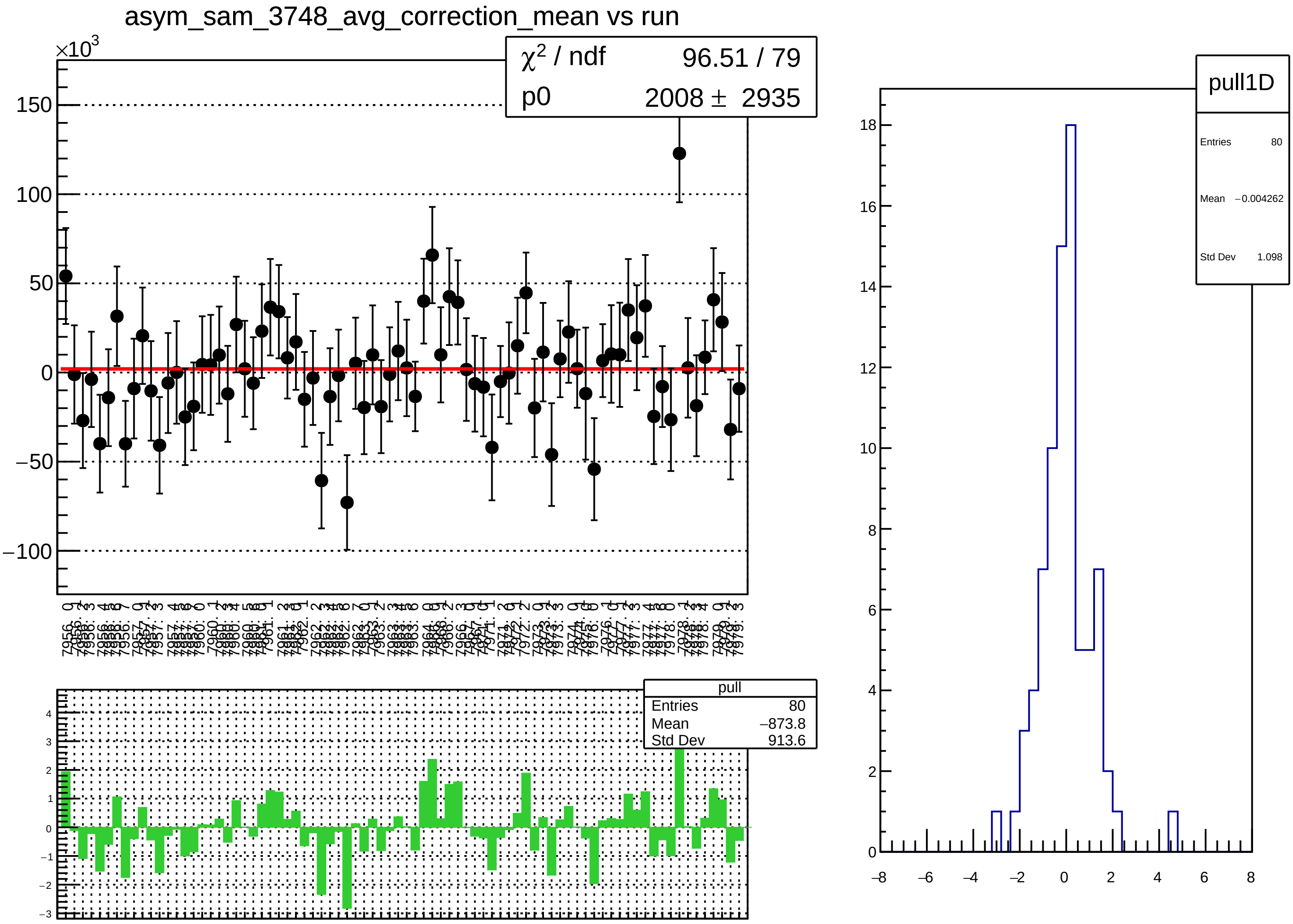


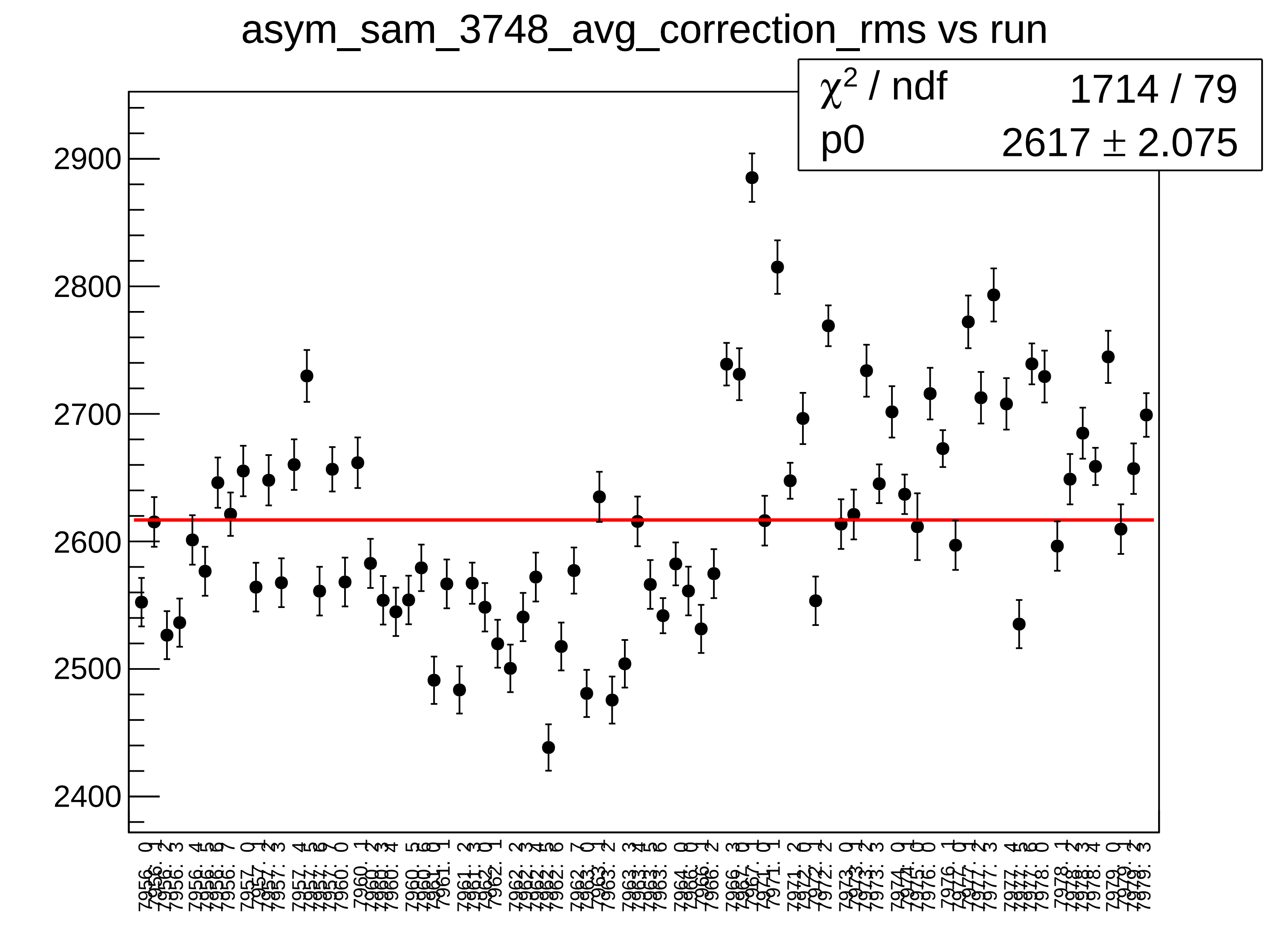

asym_sam_1548_avg_rms vs run
χ2 / ndf 3731 / 79
p0 1530 ± 1.214
2000
1900
1800
1700
1600
1500
1400

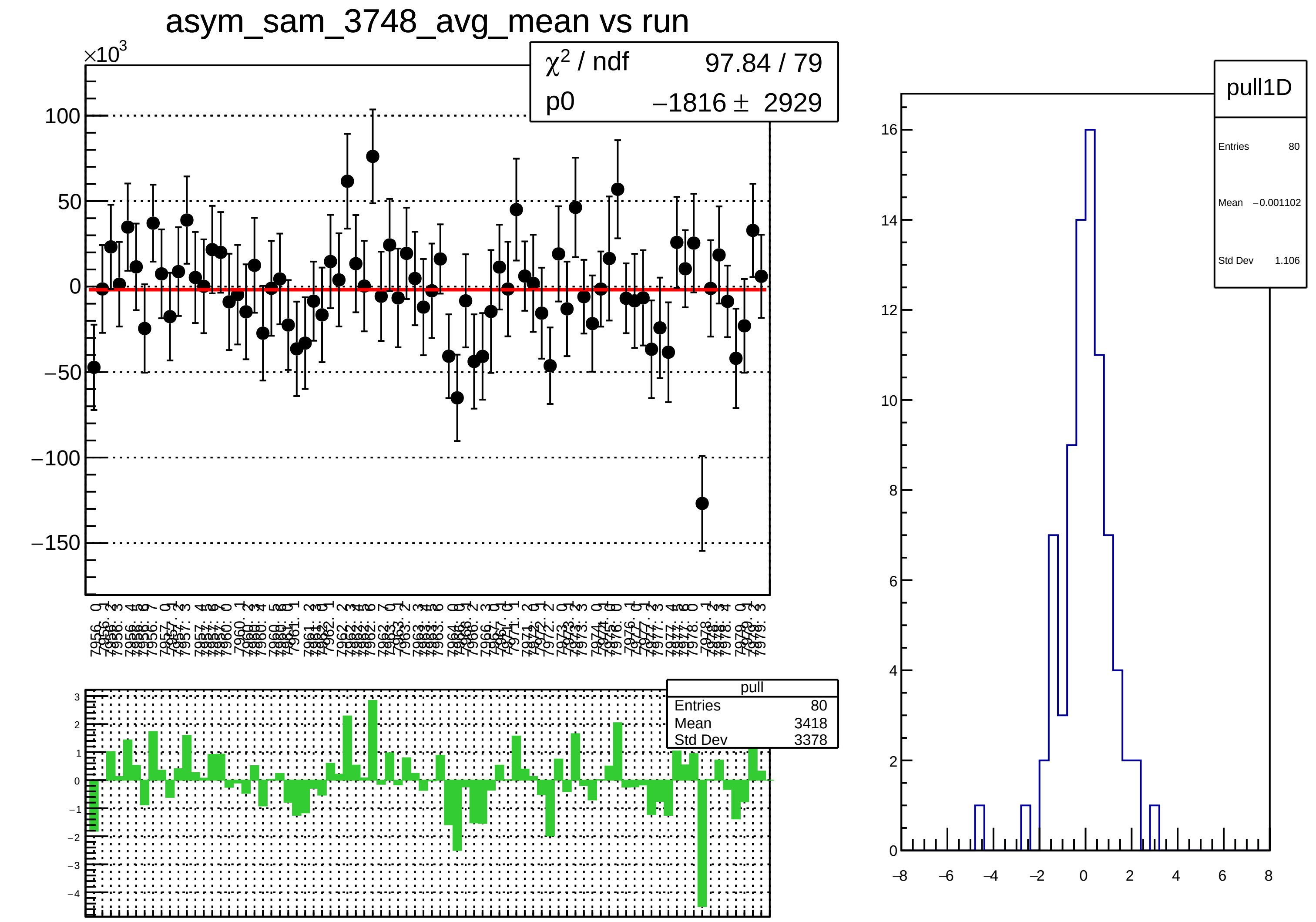

dit_asym_sam_3748_avg_mean vs run
χ2 / ndf 80.74 / 79
p0 79.22 ± 276.2
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −103.6
Std Dev 130.8
pull1D
Entries 80
Mean −0.0195
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8



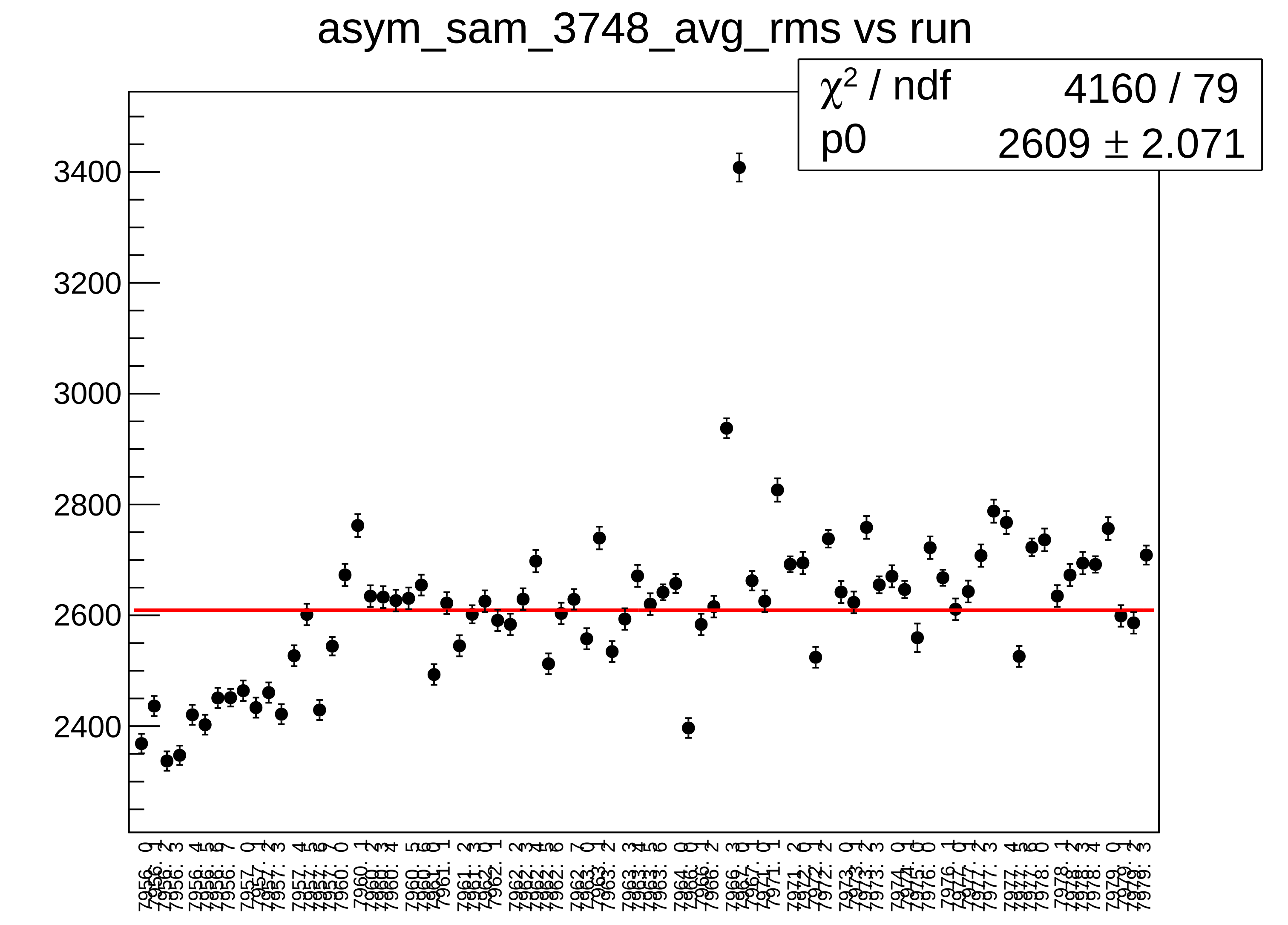
dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 3.333e+04 / 79
p0 243.8 ± 0.1953

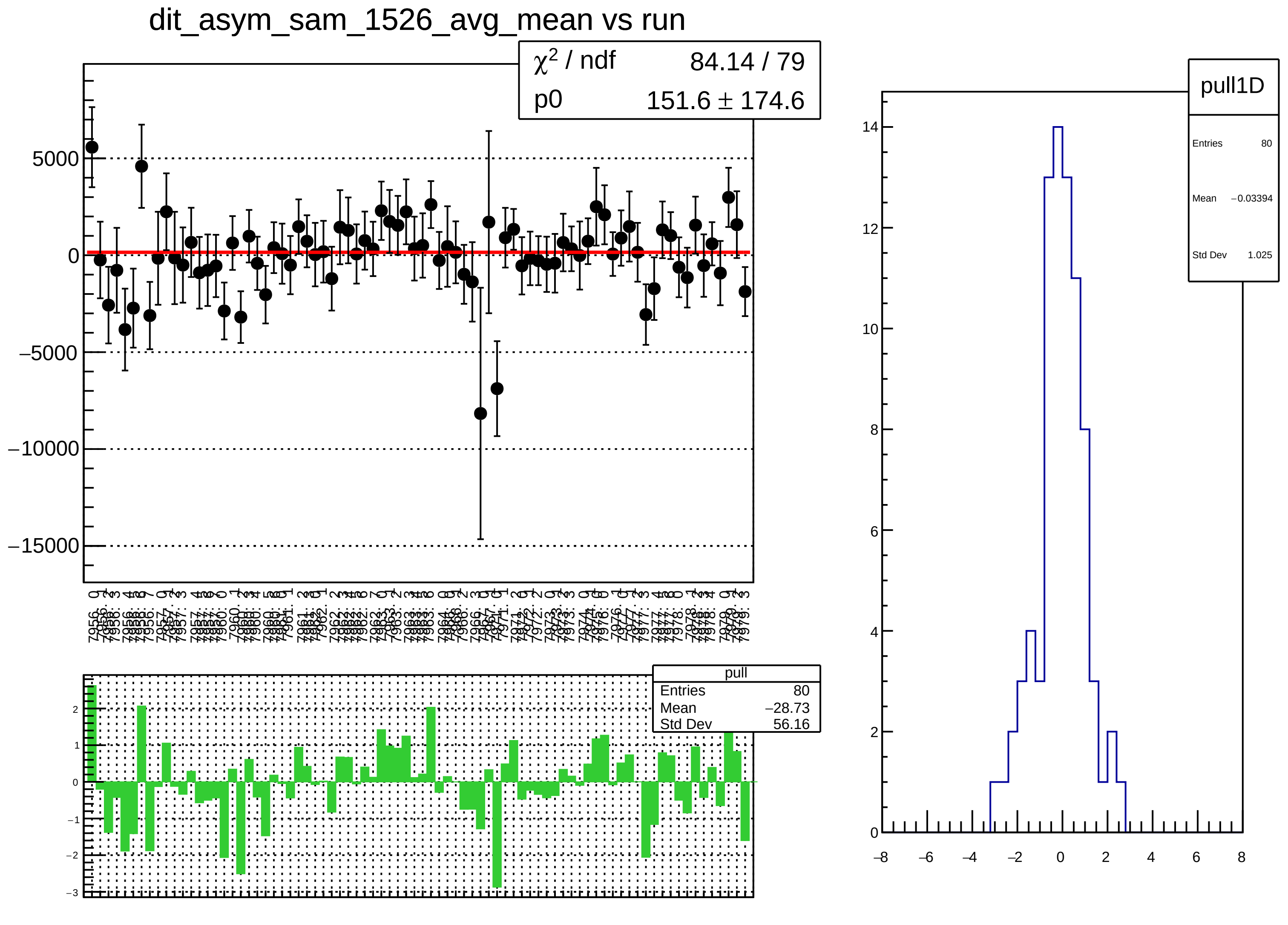

asym_sam_3748_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 96.51 / 79
p0 2008 ± 2935
pull
Entries 80
Mean −873.8
Std Dev 913.6
pull1D
Entries 80
Mean −0.004262
Std Dev 1.098


asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1714 / 79
p0 2617 ± 2.075
2900
2800
2700
2600
2500
2400

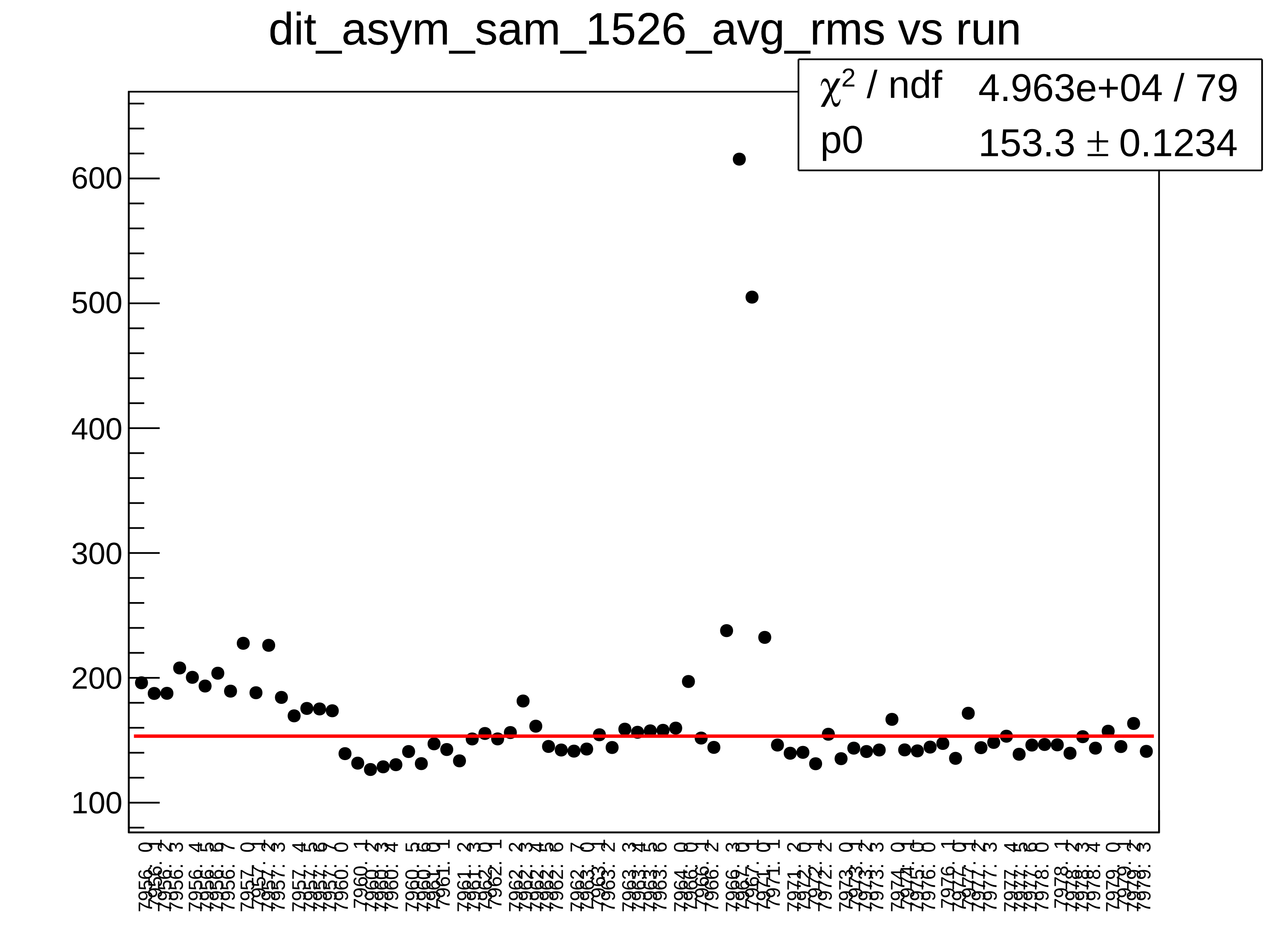


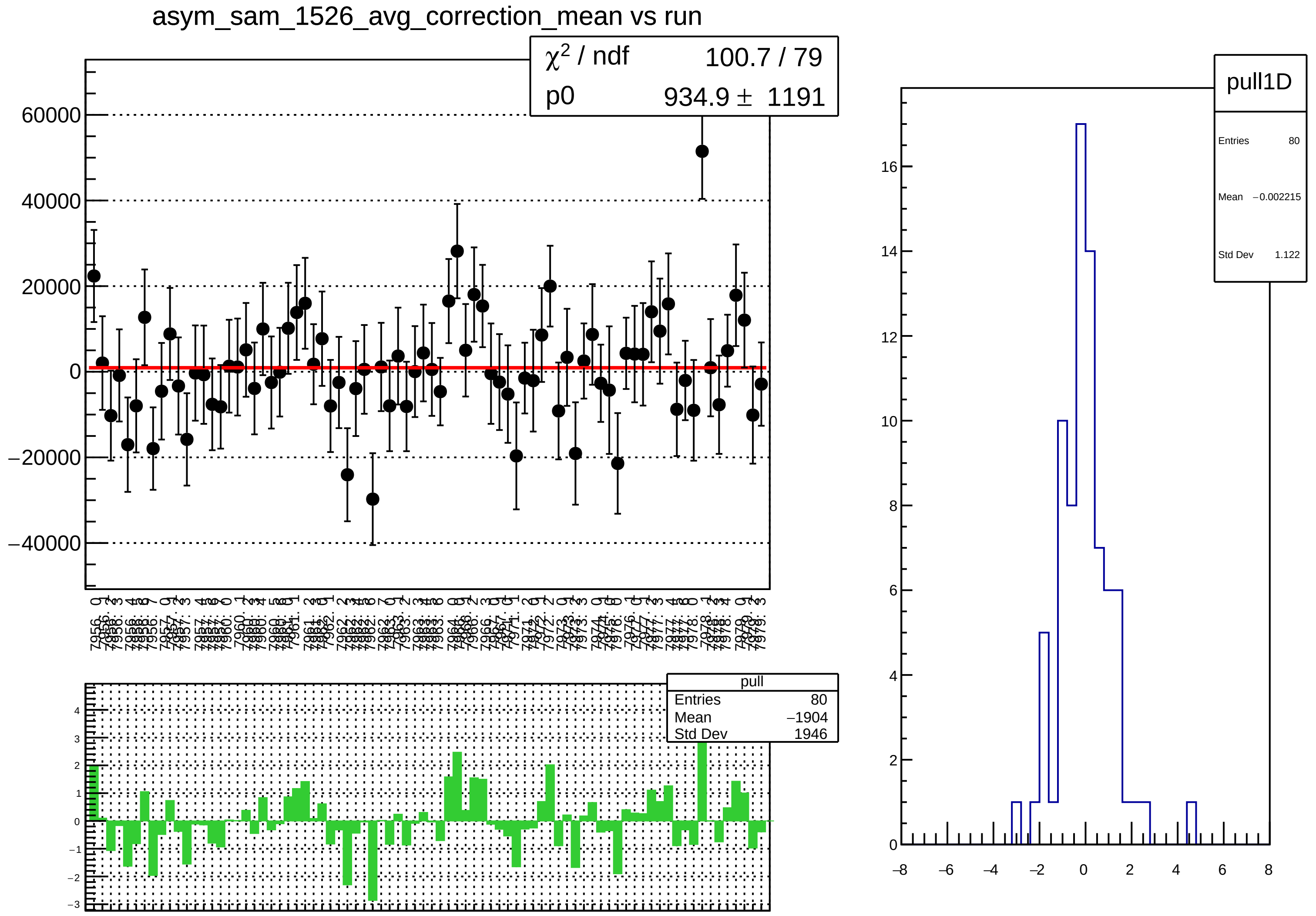
asym_sam_3748_avg_mean vs run
χ2 / ndf 97.84 / 79
p0 −1816 ± 2929
×10^3
pull
Entries 80
Mean 3418
Std Dev 3378
pull1D
Entries 80
Mean −0.001102
Std Dev 1.106


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

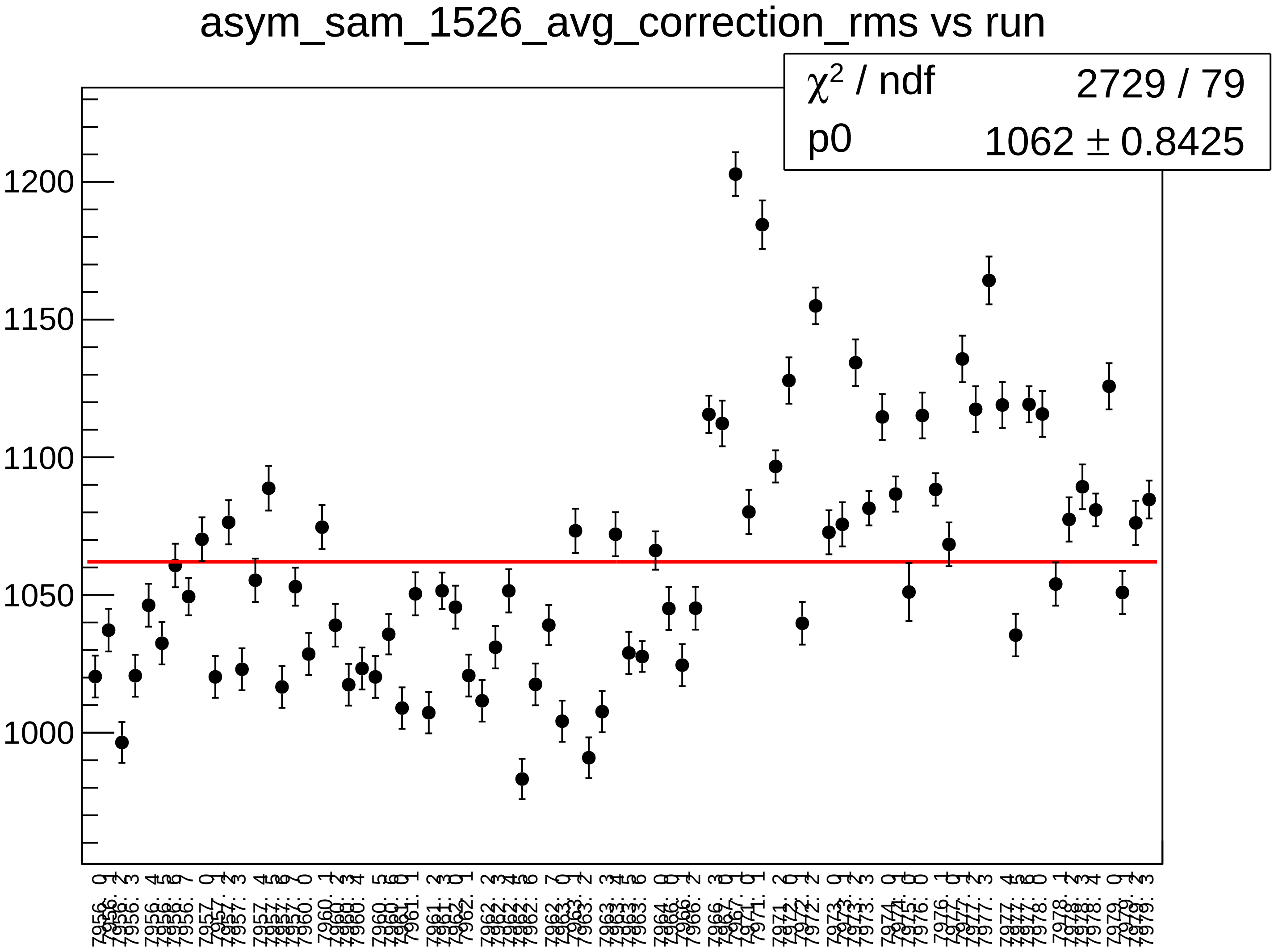


dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 84.14 / 79
p0 151.6 ± 174.6
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −28.73
Std Dev 56.16
pull1D
Entries 80
Mean −0.03394
Std Dev 1.025

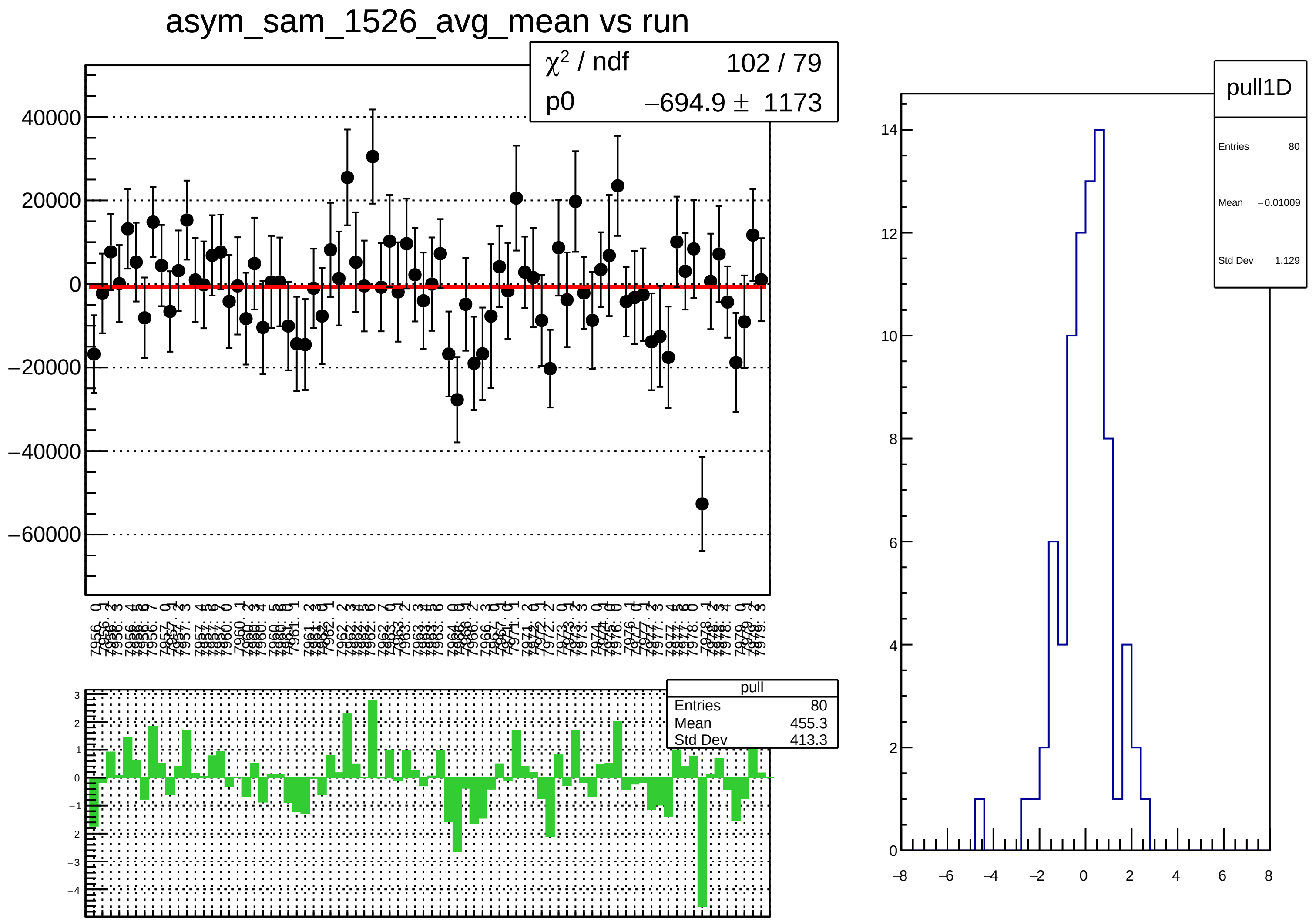

dit_asym_sam_1526_avg_rms vs run
χ2 / ndf 4.963e+04 / 79
p0 153.3 ± 0.1234
600
500
400
300
200
100



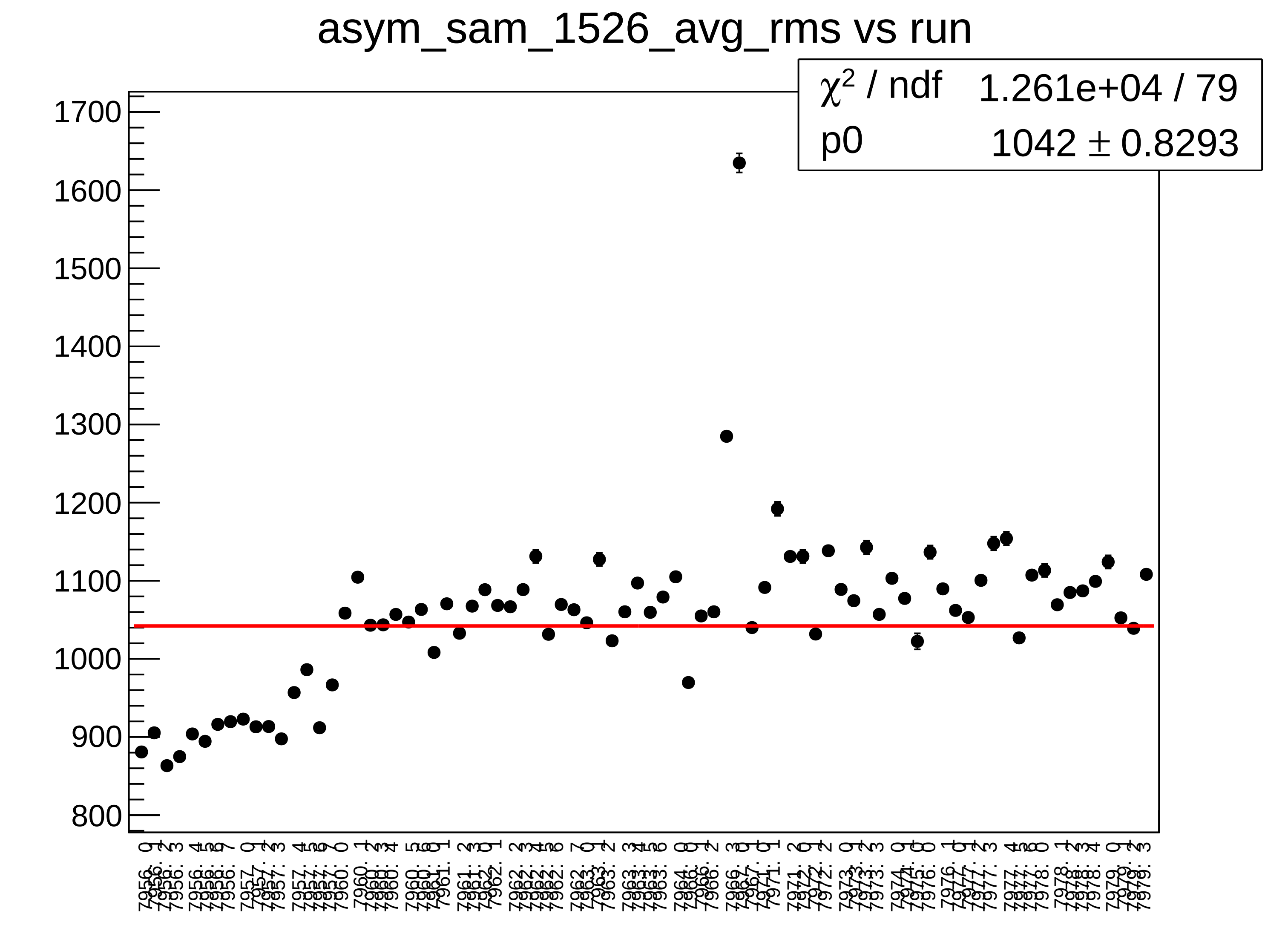
asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 100.7 / 79
p0 934.9 ± 1191
pull
Entries 80
Mean −1904
Std Dev 1946
pull1D
Entries 80
Mean −0.002215
Std Dev 1.122



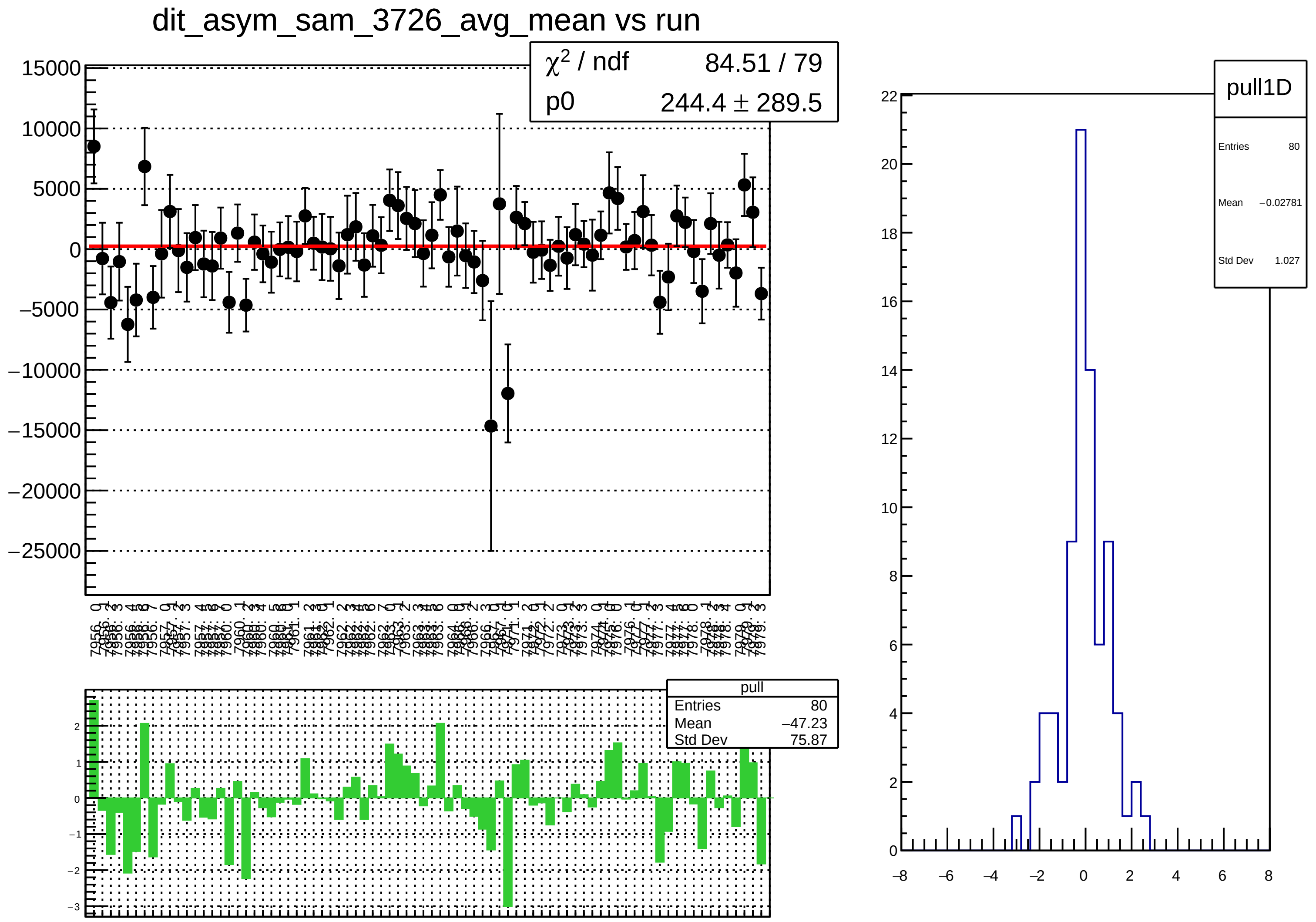
asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 2729 / 79
p0 1062 ± 0.8425
1200
1150
1100
1050
1000



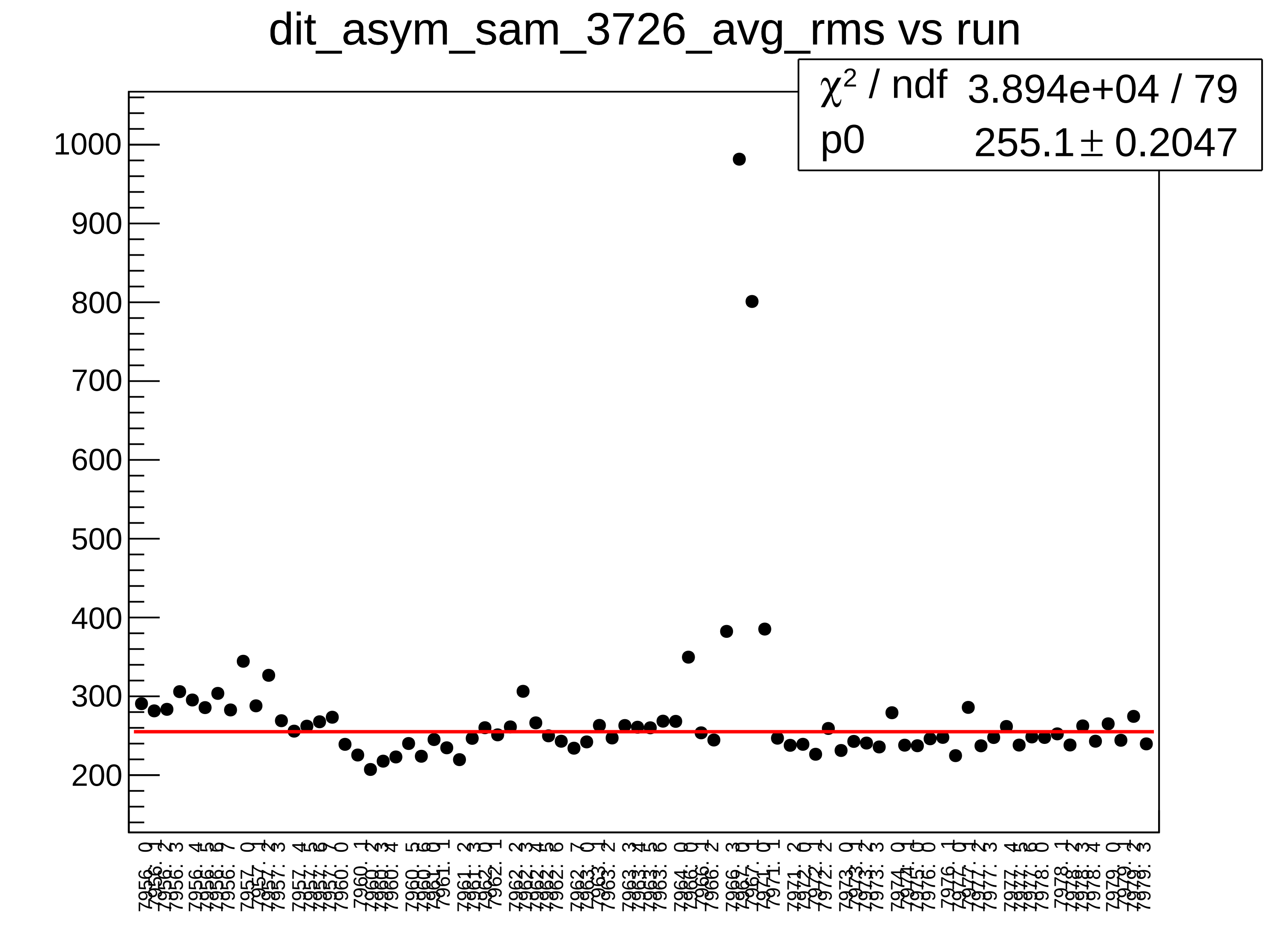
asym_sam_1526_avg_mean vs run
χ^2 / ndf 102 / 79
p0 −694.9 ± 1173
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 455.3
Std Dev 413.3
pull1D
Entries 80
Mean −0.01009
Std Dev 1.129



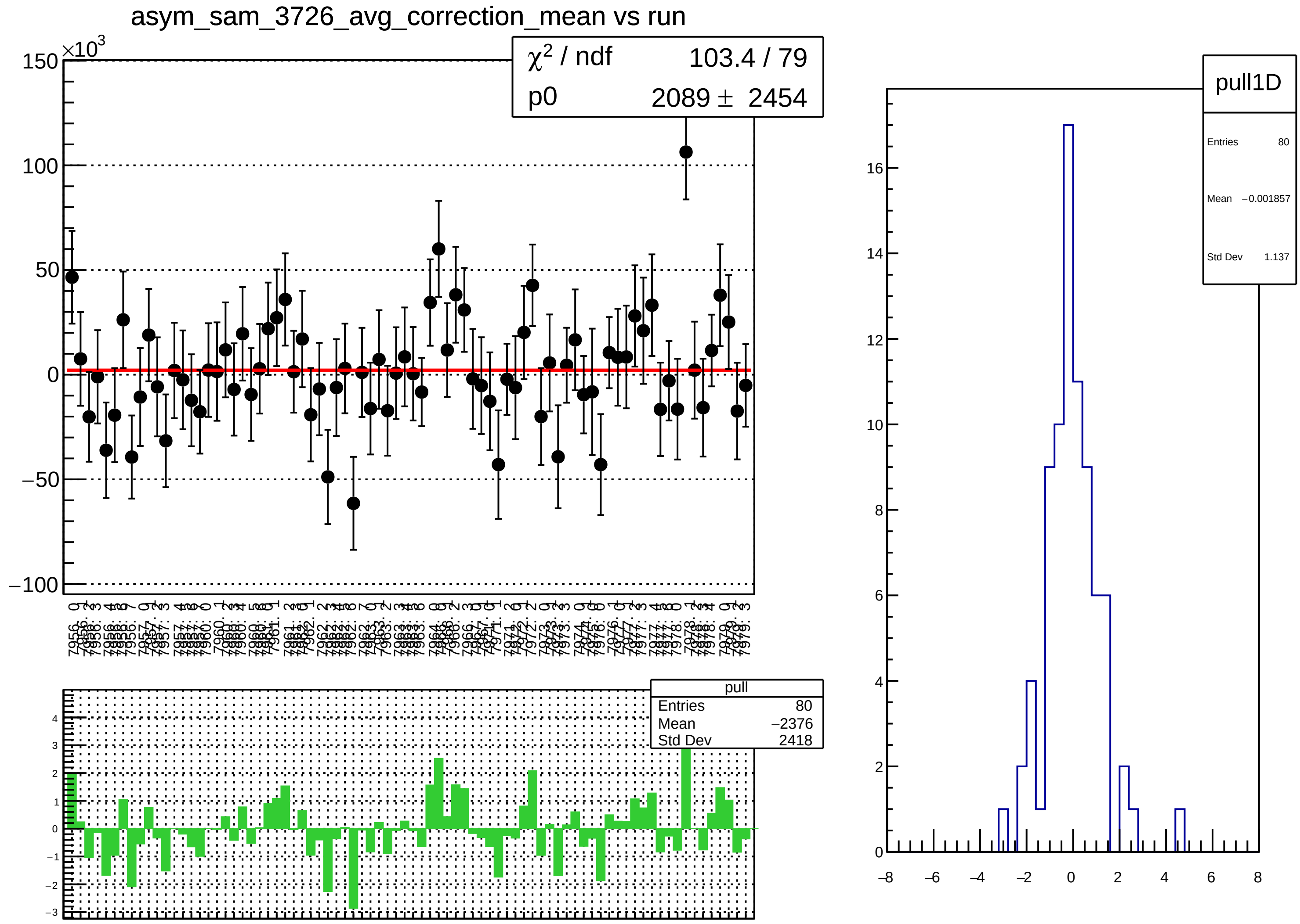
asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.261e+04 / 79
p0 1042 ± 0.8293



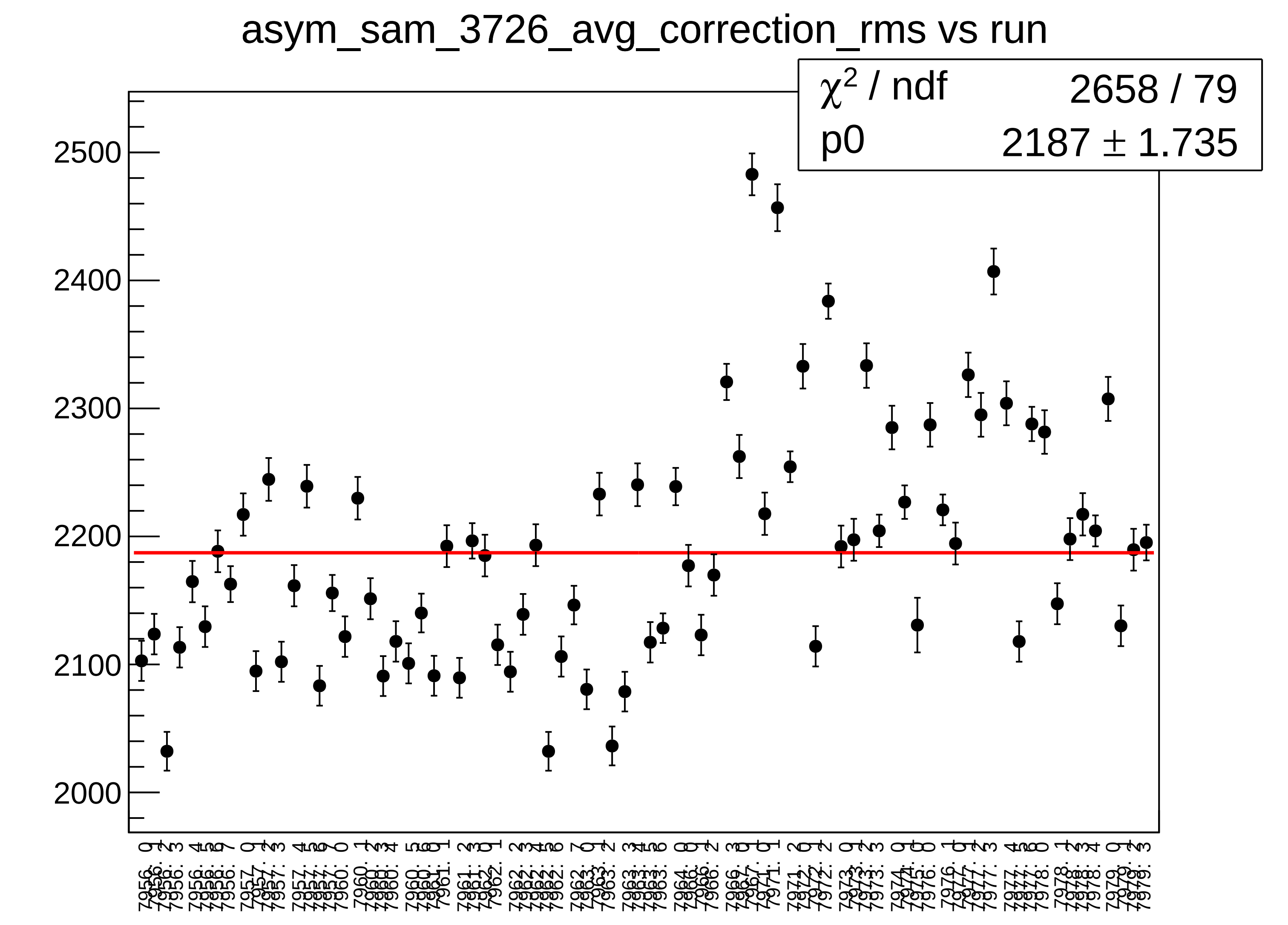
dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 84.51 / 79
p0 244.4 ± 289.5
pull
Entries 80
Mean −47.23
Std Dev 75.87
pull1D
Entries 80
Mean −0.02781
Std Dev 1.027

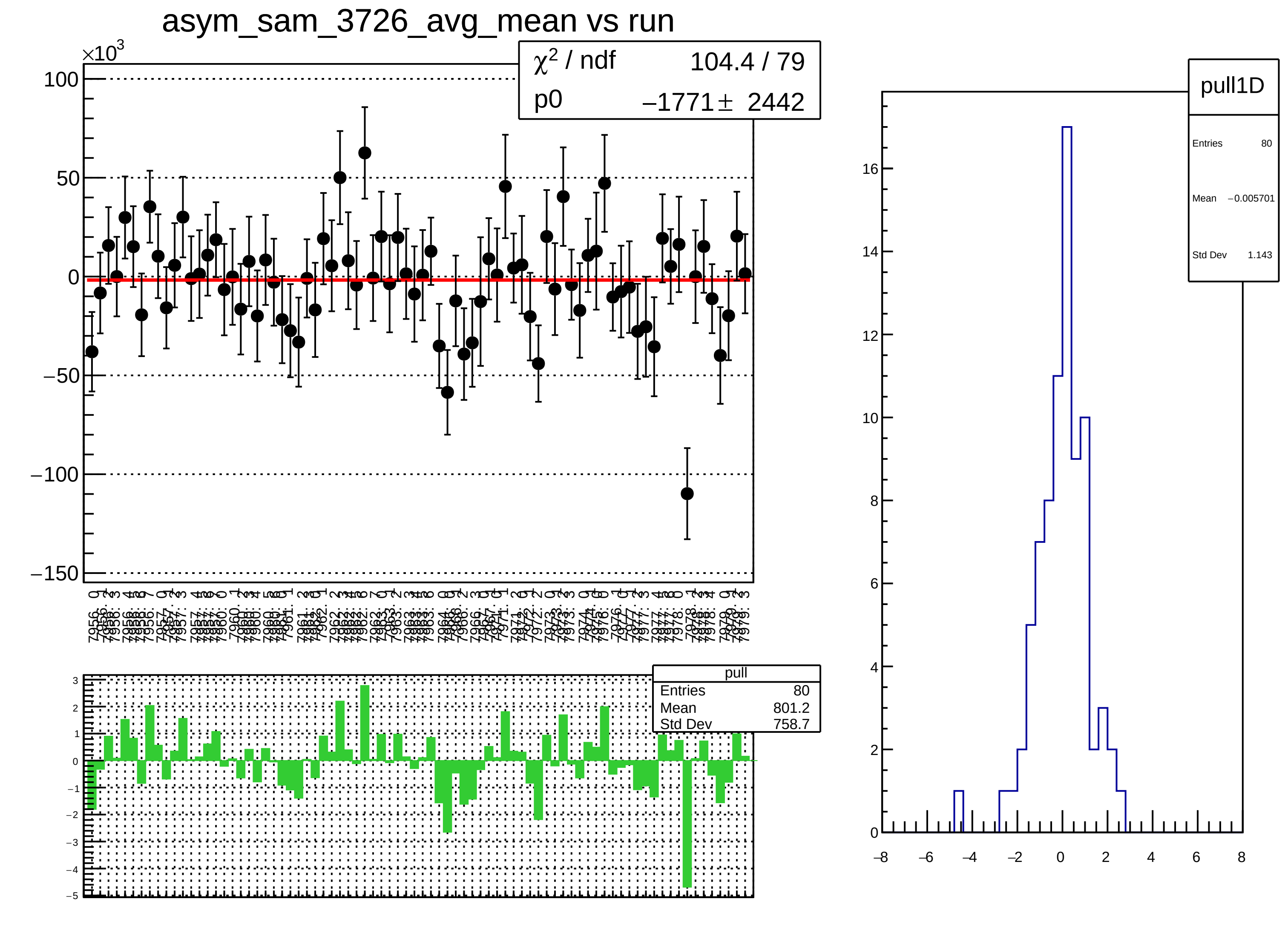


dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 3.894e+04 / 79
p0 255.1 ± 0.2047
1000
900
800
700
600
500
400
300
200

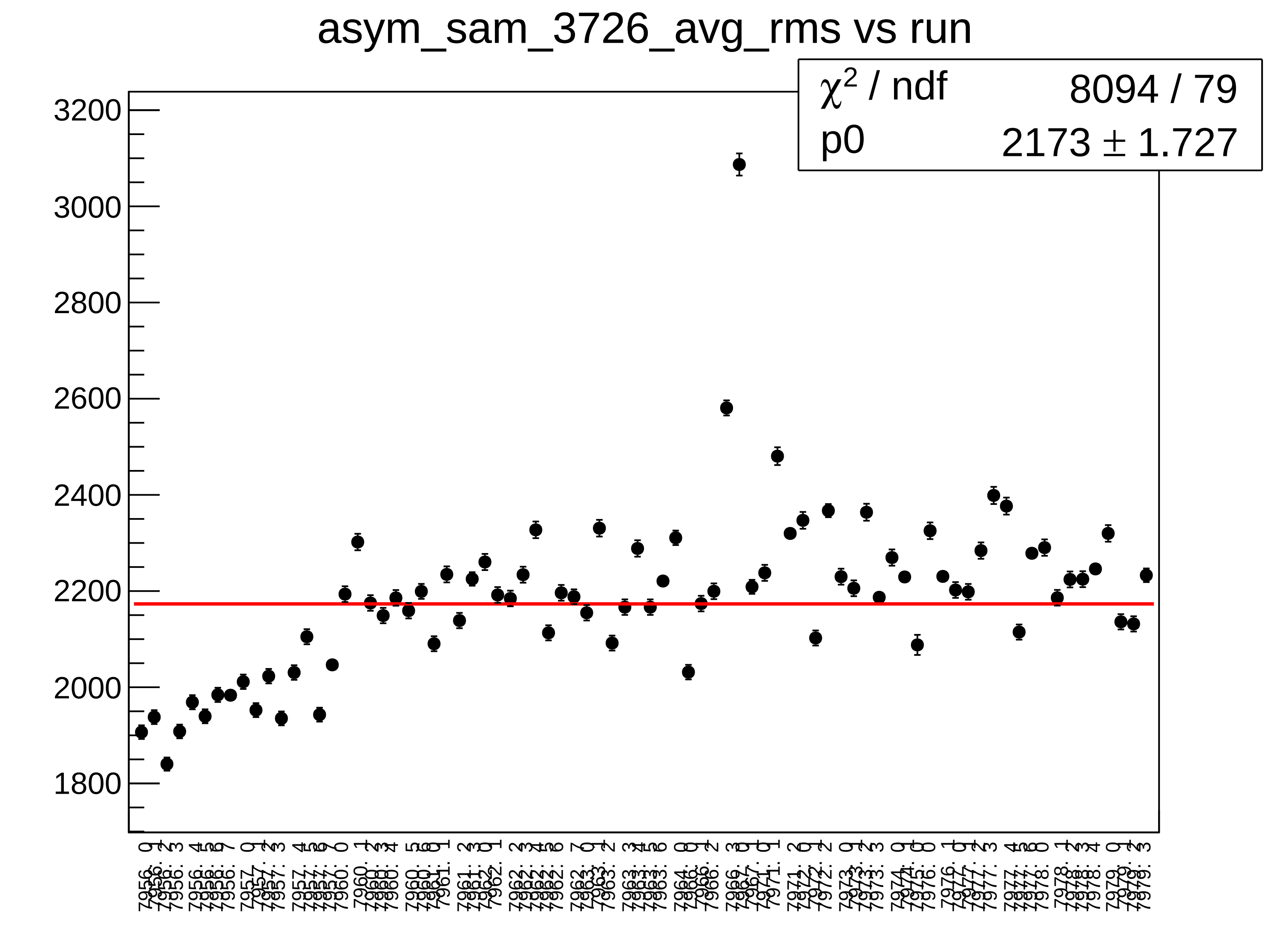


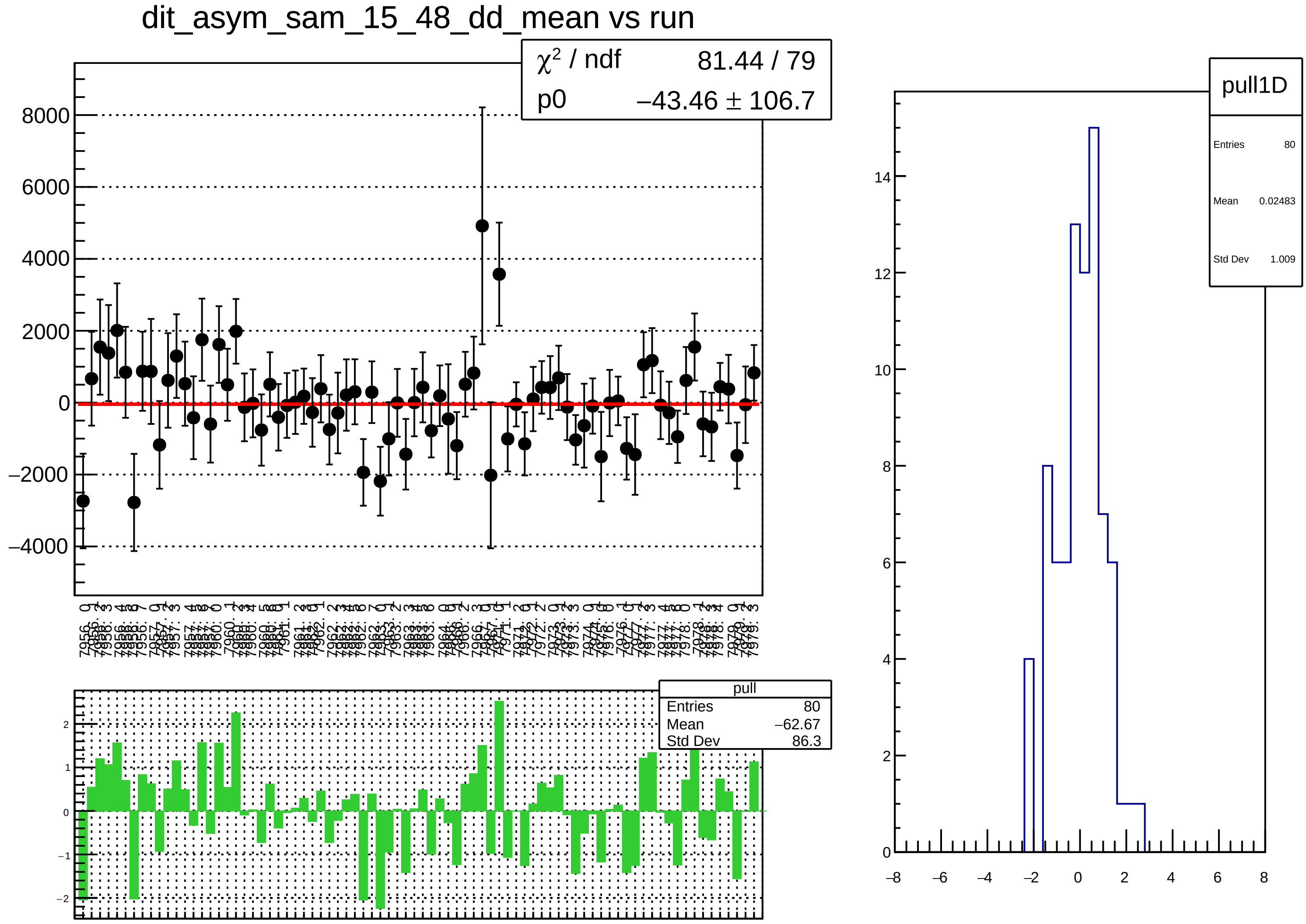
asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 103.4 / 79
p0 2089 ± 2454
pull
Entries 80
Mean −2376
Std Dev 2418
pull1D
Entries 80
Mean −0.001857
Std Dev 1.137


asym_sam_3726_avg_correction_rms vs run
χ2 / ndf 2658 / 79
p0 2187 ± 1.735
2500
2400
2300
2200
2100
2000

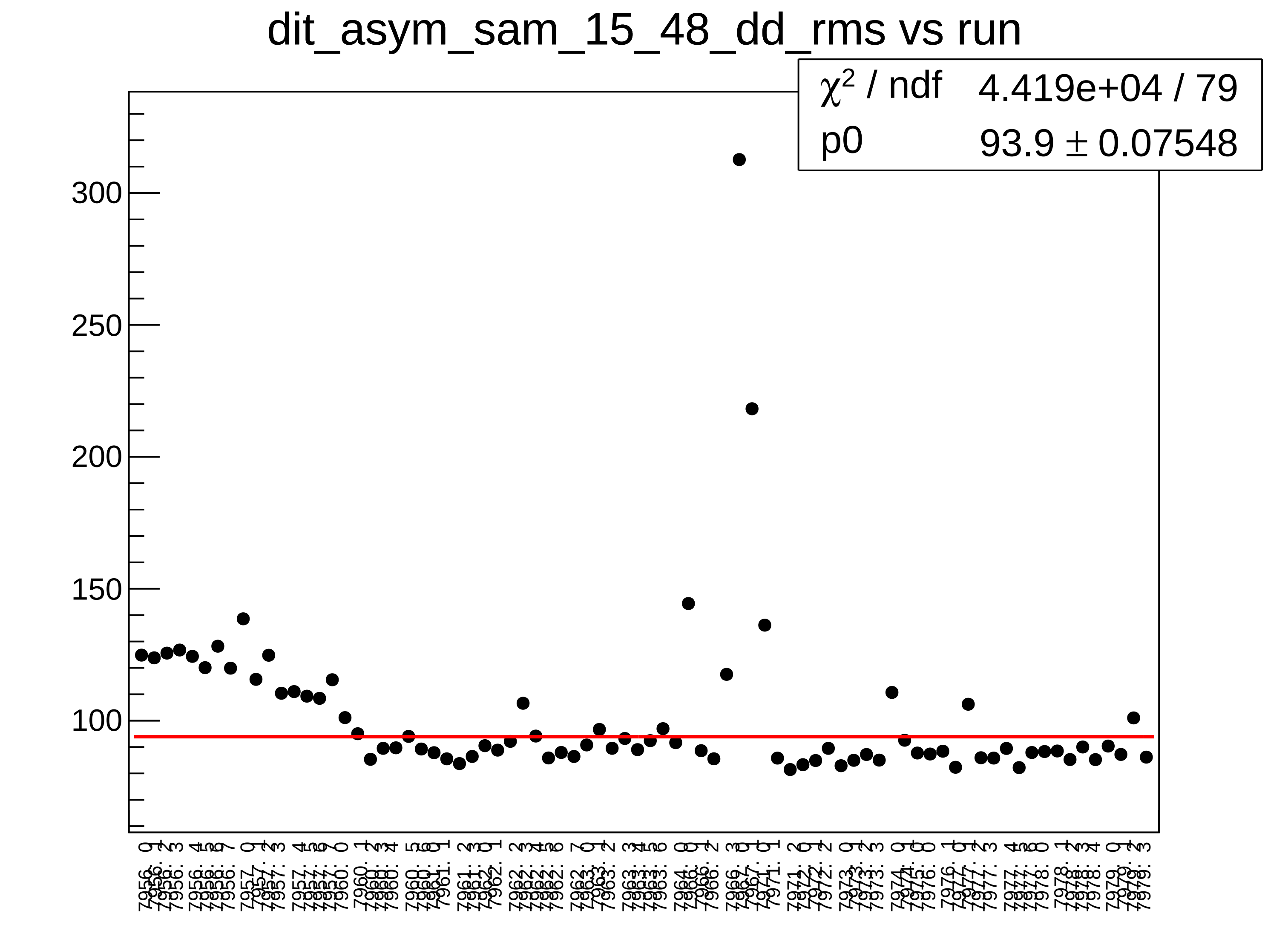


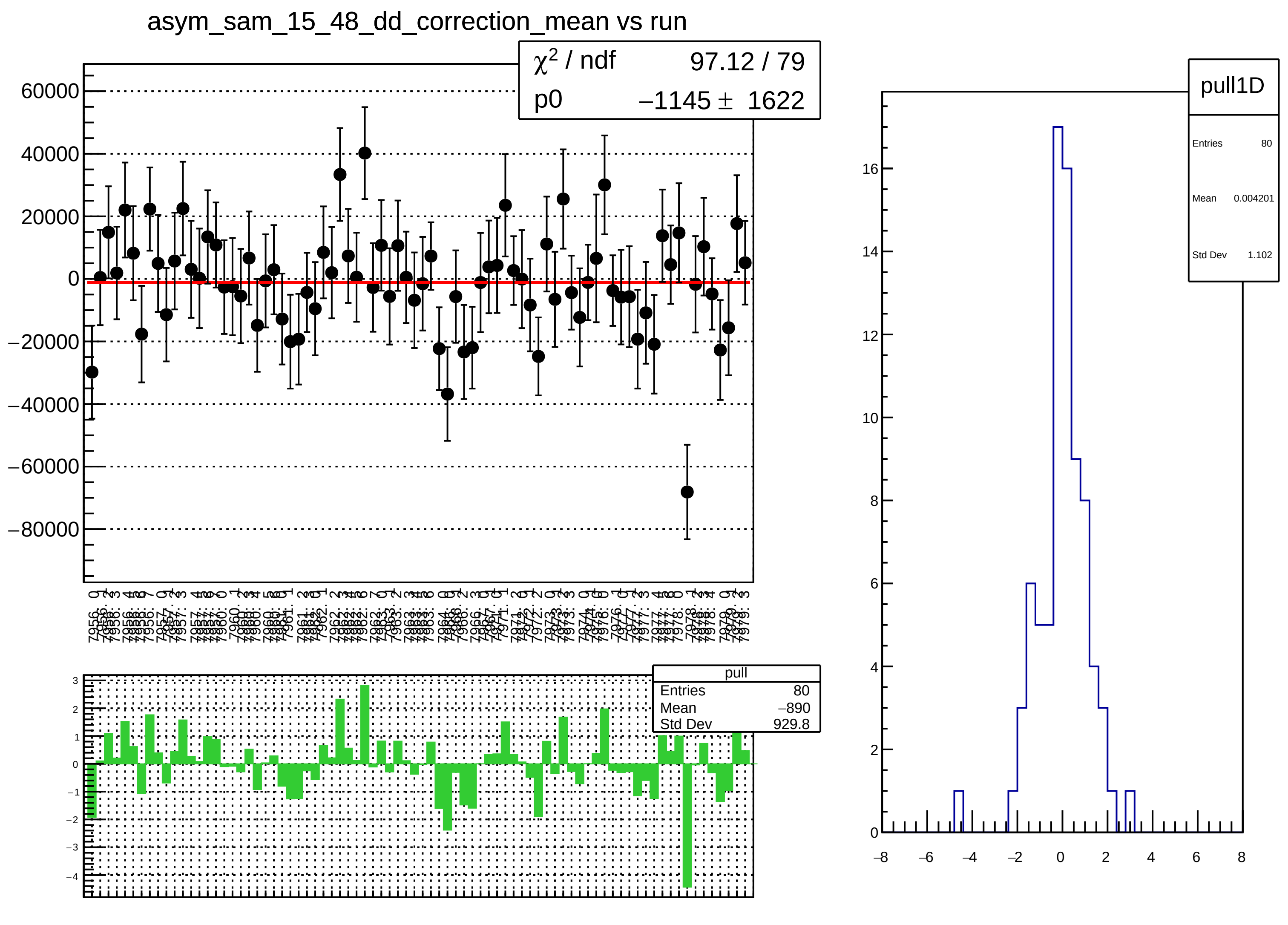
asym_sam_3726_avg_mean vs run
χ^2 / ndf 104.4 / 79
p0 −1771 ± 2442
pull
Entries 80
Mean 801.2
Std Dev 758.7
pull1D
Entries 80
Mean −0.005701
Std Dev 1.143

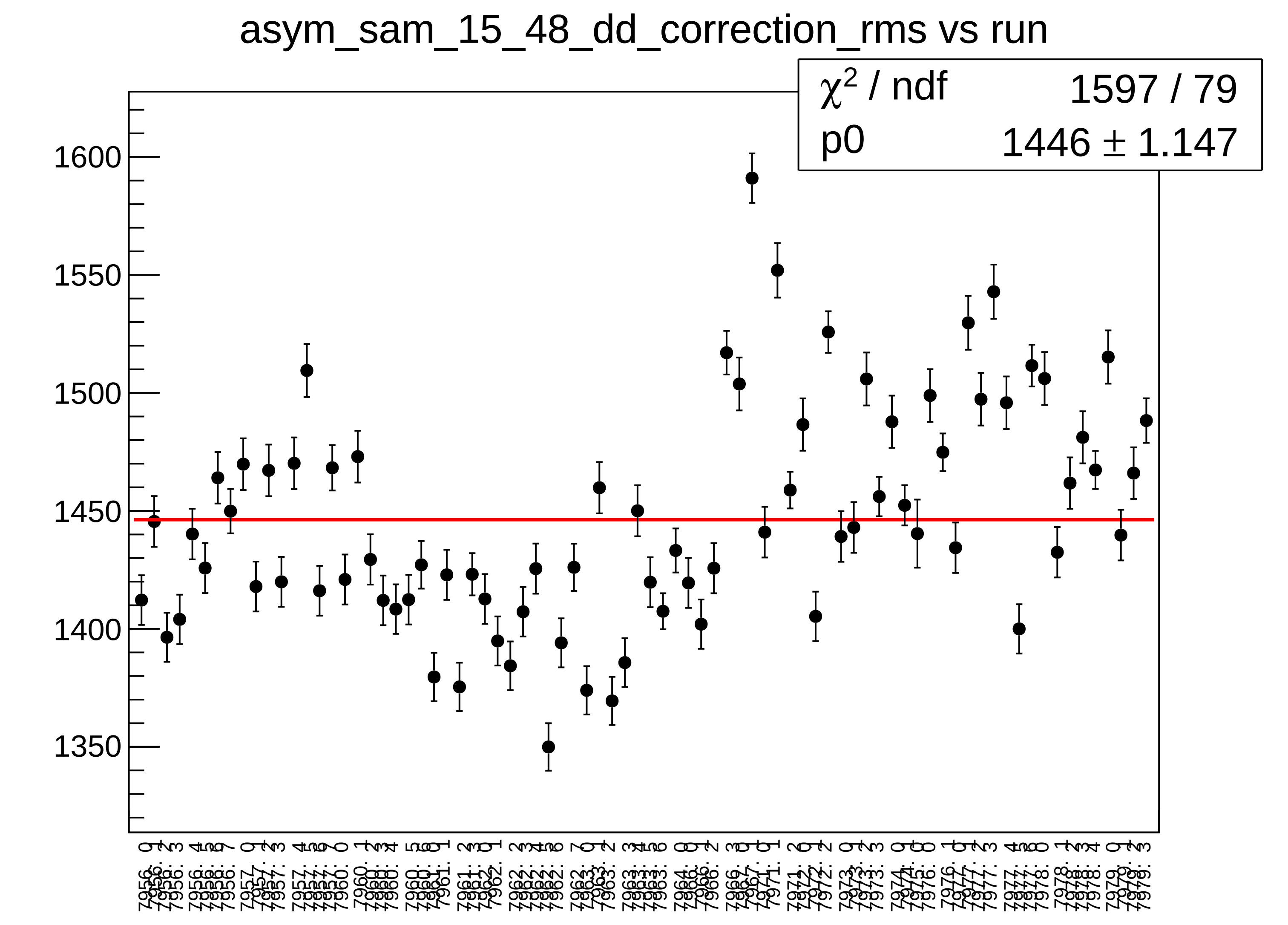

asym_sam_3726_avg_rms vs run
χ^2 / ndf 8094 / 79
p0 2173 ± 1.727
3200
3000
2800
2600
2400
2200
2000
1800



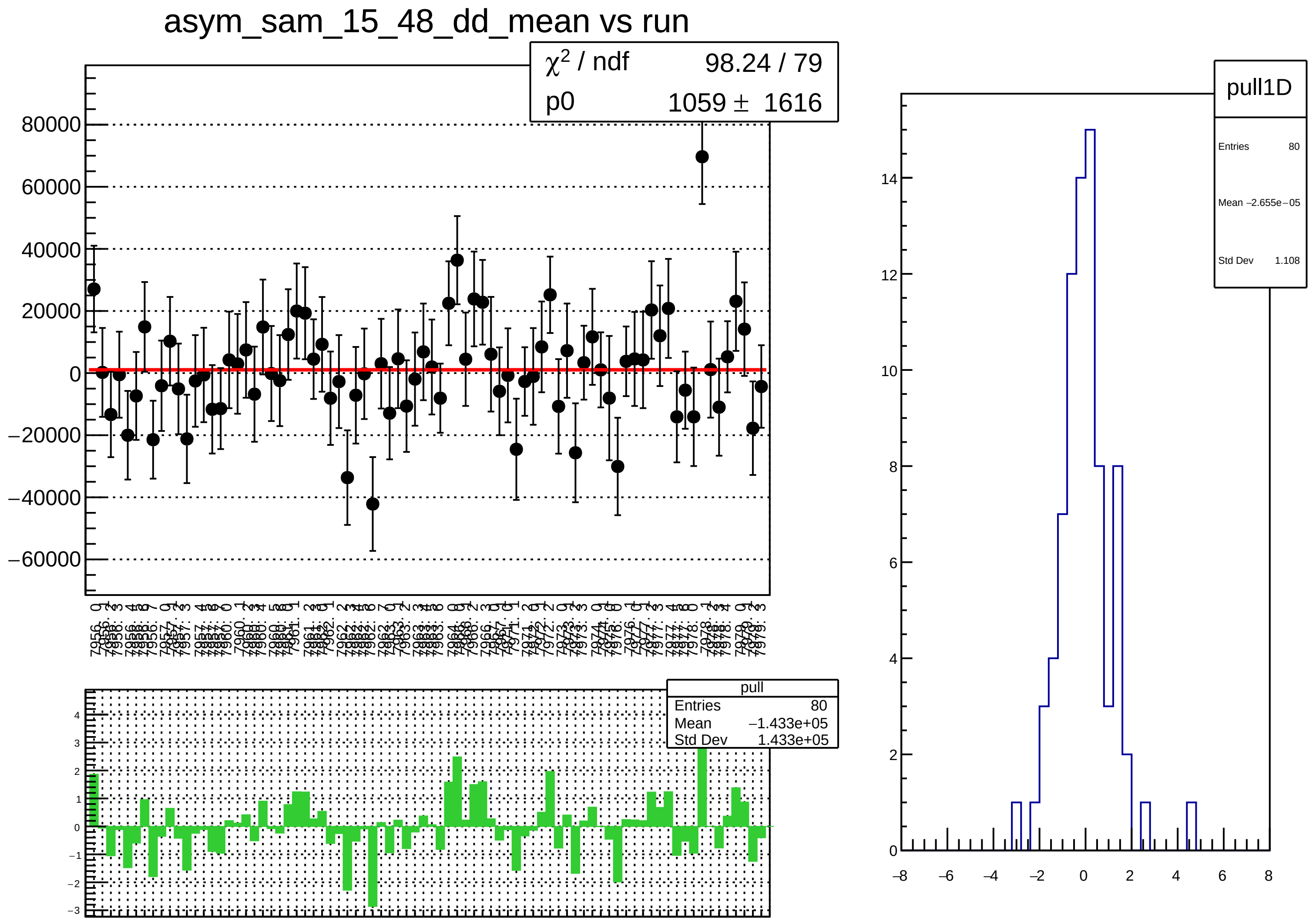
dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 81.44 / 79
p0 −43.46 ± 106.7
pull
Entries 80
Mean −62.67
Std Dev 86.3
pull1D
Entries 80
Mean 0.02483
Std Dev 1.009

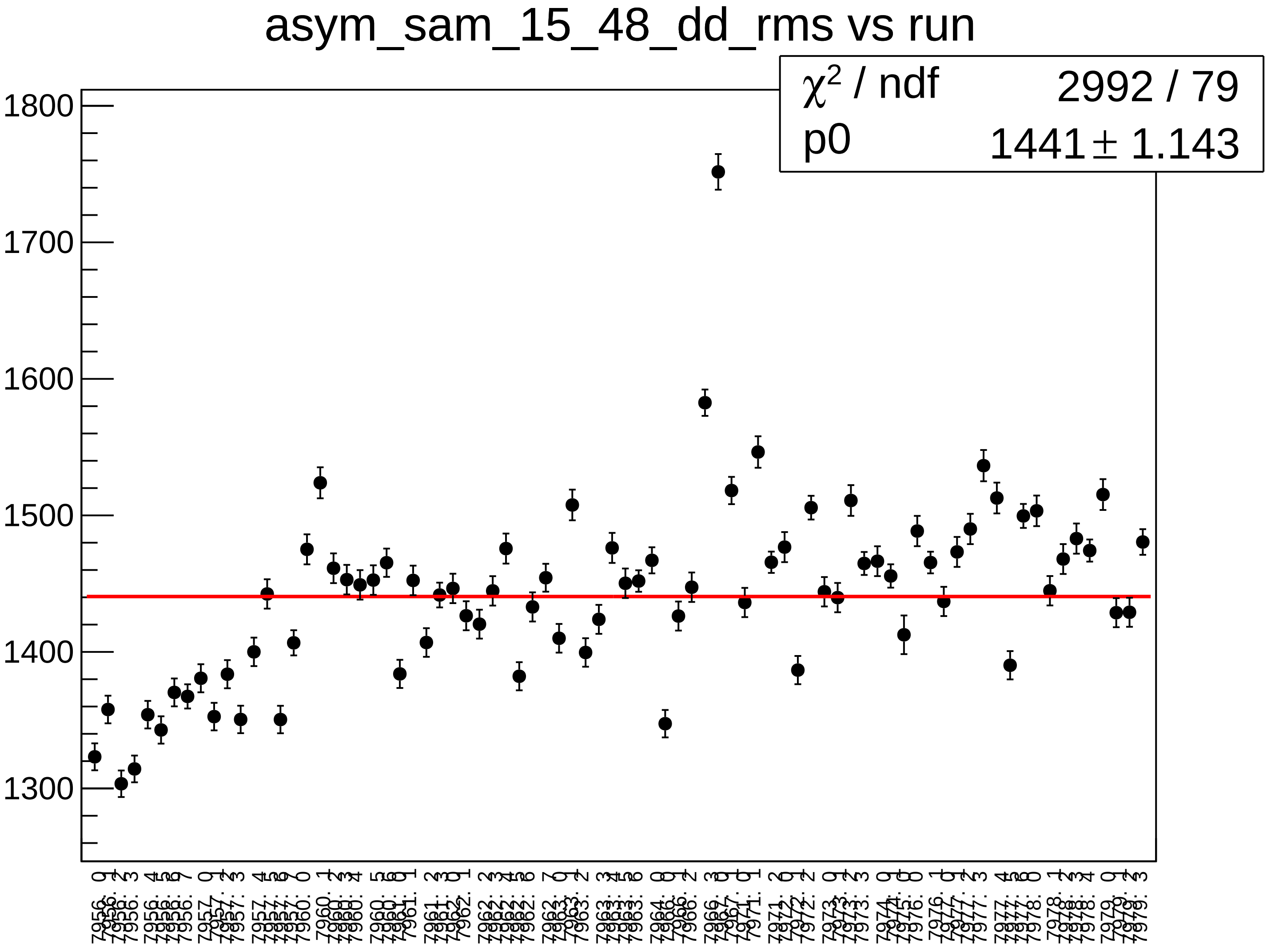

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 4.419e+04 / 79
p0 93.9 ± 0.07548
300
250
200
150
100

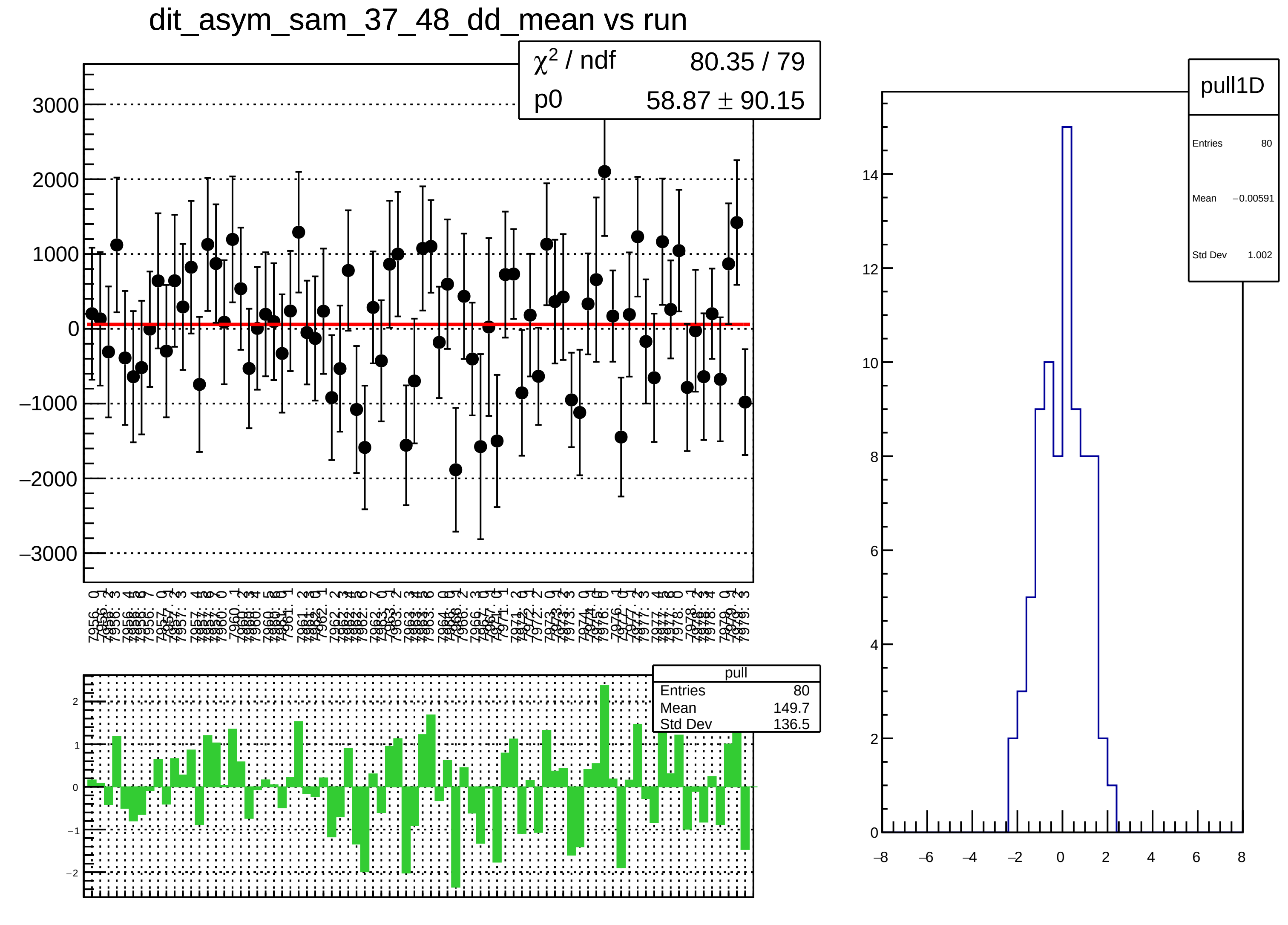

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 97.12 / 79
p0 −1145 ± 1622
pull
Entries 80
Mean −890
Std Dev 929.8
pull1D
Entries 80
Mean 0.004201
Std Dev 1.102



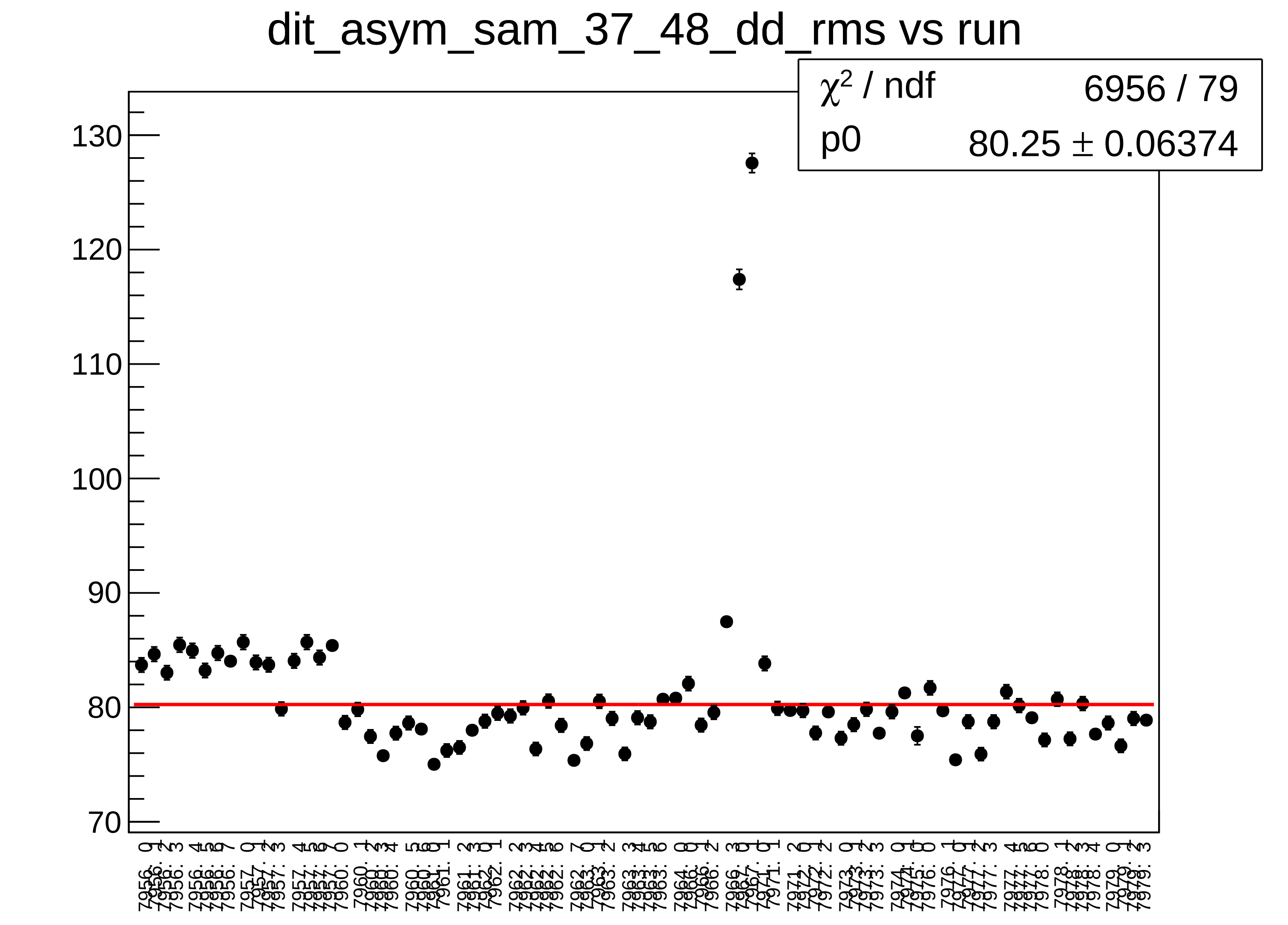
asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 1597 / 79
p0 1446 ± 1.147
1600
1550
1500
1450
1400
1350

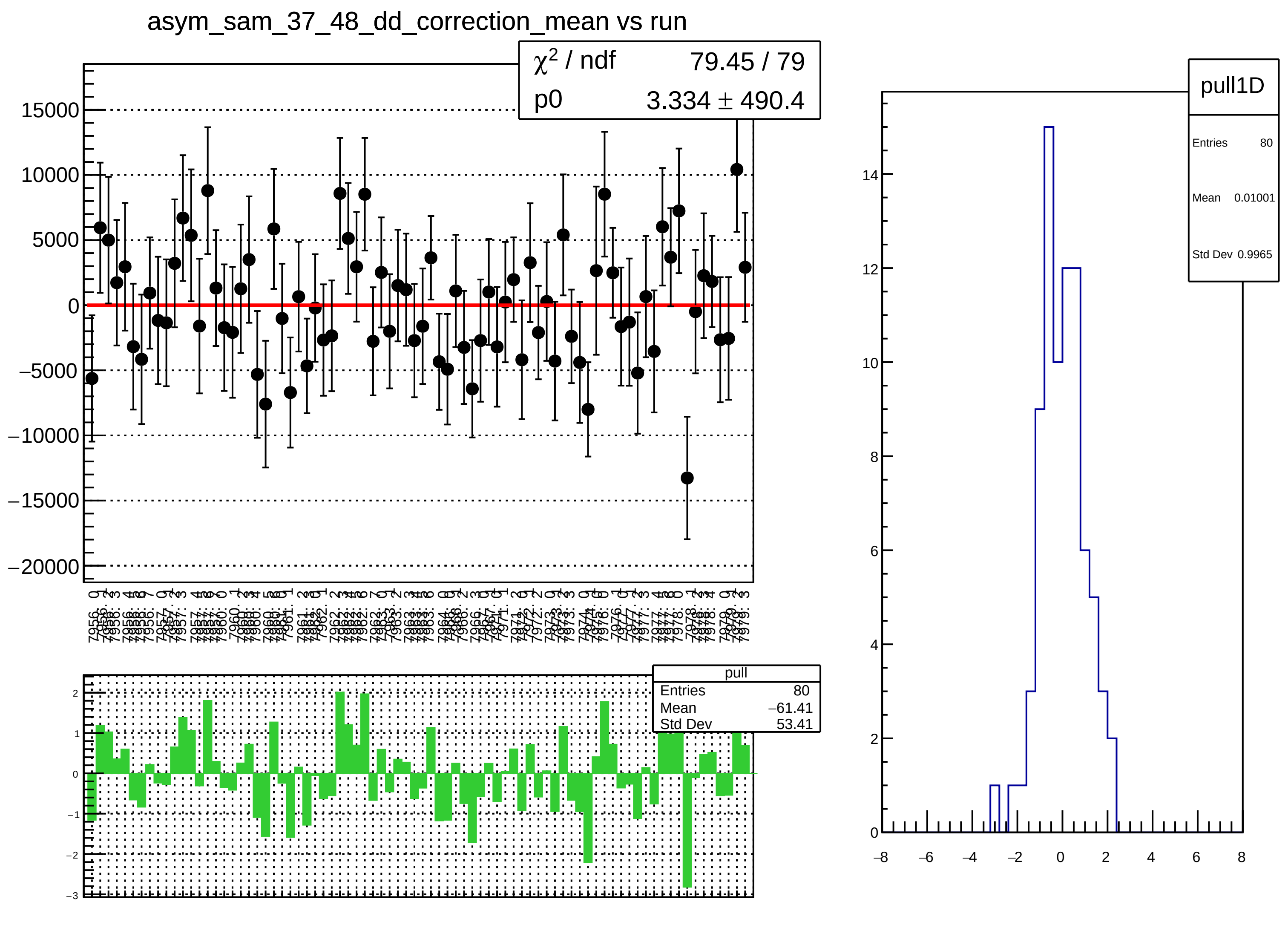

asym_sam_15_48_dd_mean vs run
χ2 / ndf 98.24 / 79
p0 1059 ± 1616
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −1.433e+05
Std Dev 1.433e+05
pull1D
Entries 80
Mean −2.655e−05
Std Dev 1.108


asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2992 / 79
p0 1441 ± 1.143
1800
1700
1600
1500
1400
1300

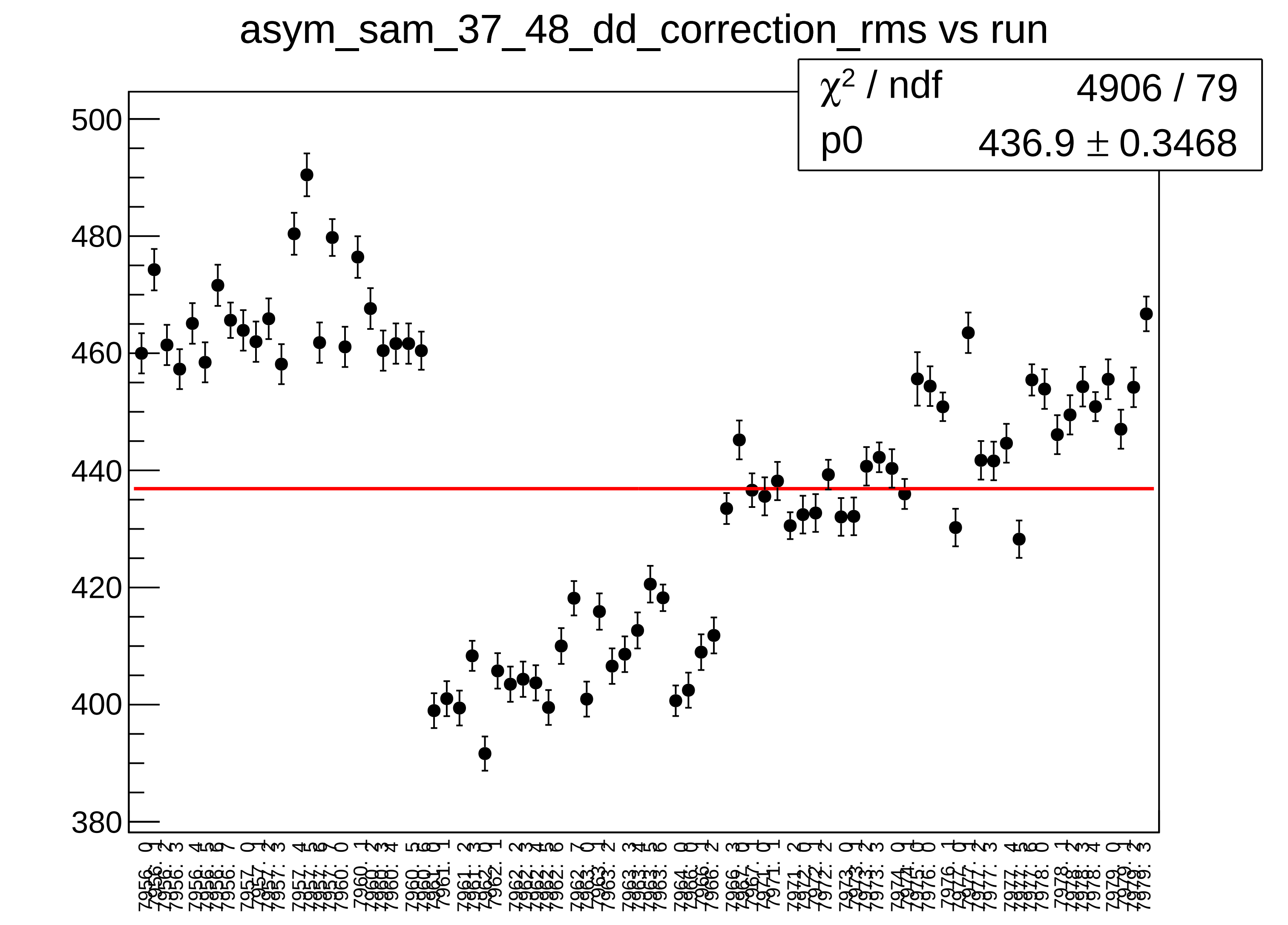


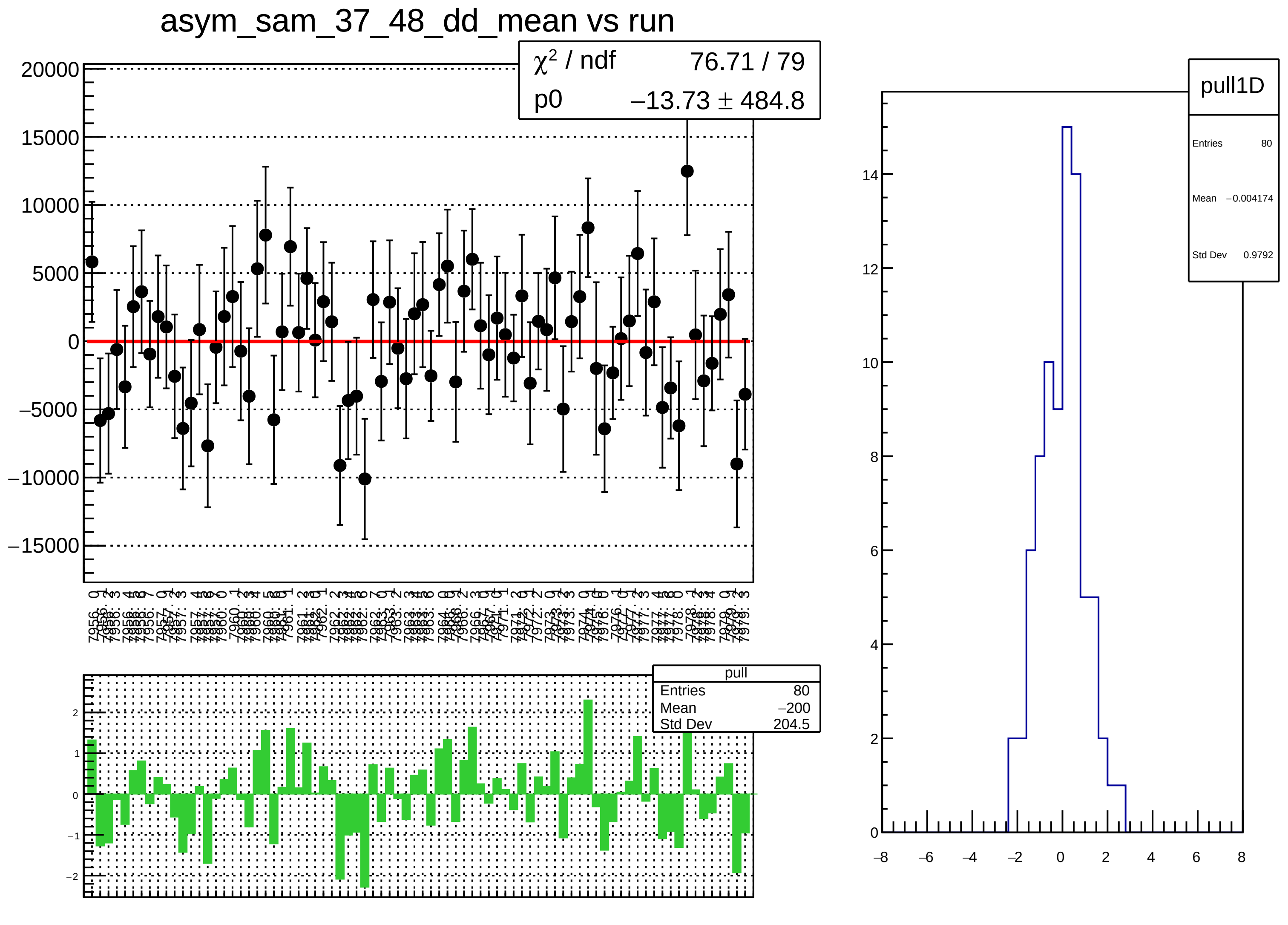
dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 80.35 / 79
p0 58.87 ± 90.15
pull
Entries 80
Mean 149.7
Std Dev 136.5
pull1D
Entries 80
Mean −0.00591
Std Dev 1.002

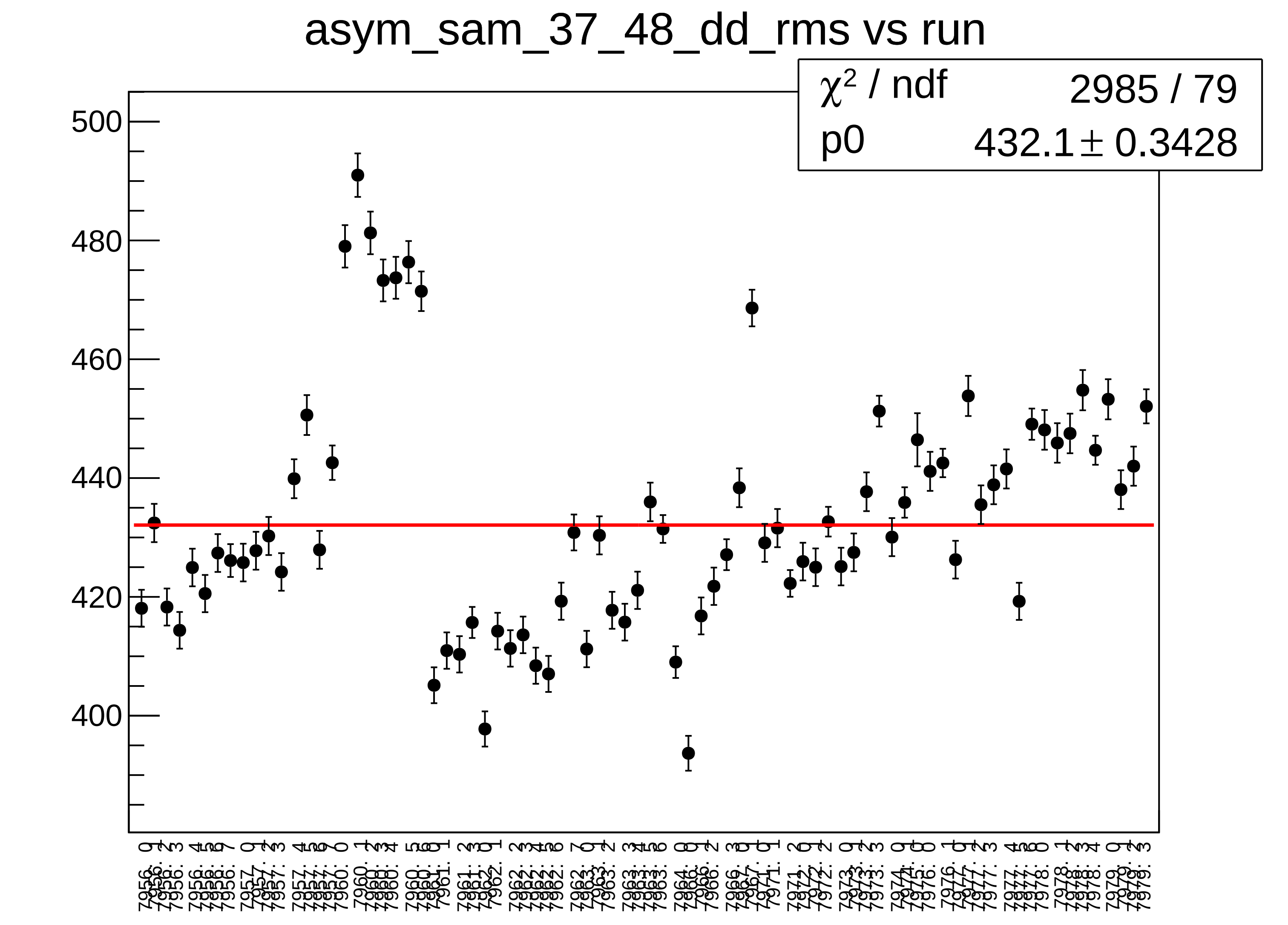

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 6956 / 79
p0 80.25 ± 0.06374
130
120
110
100
90
80
70

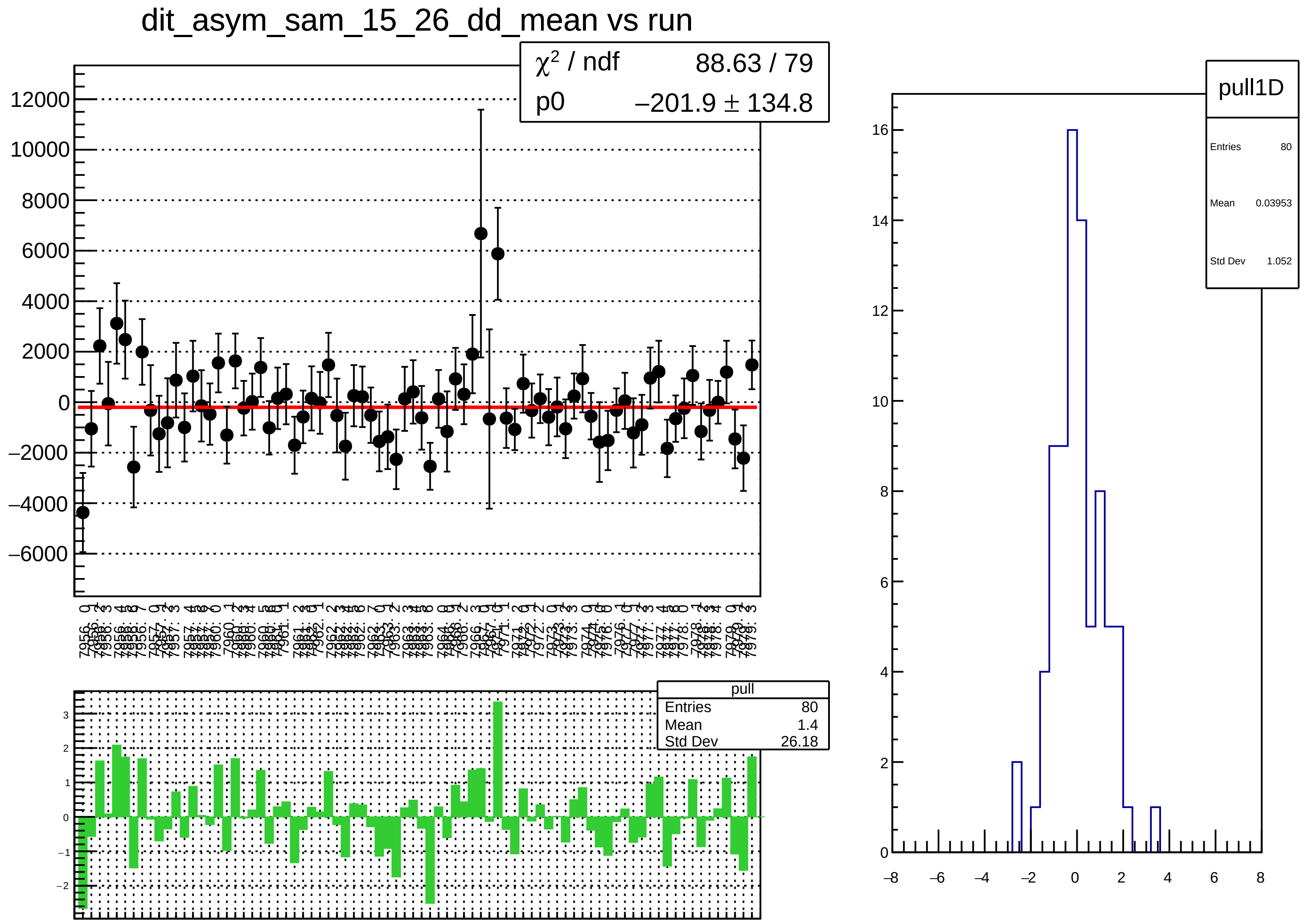


asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 79.45 / 79
p0 3.334 ± 490.4
pull
Entries 80
Mean −61.41
Std Dev 53.41
pull1D
Entries 80
Mean 0.01001
Std Dev 0.9965

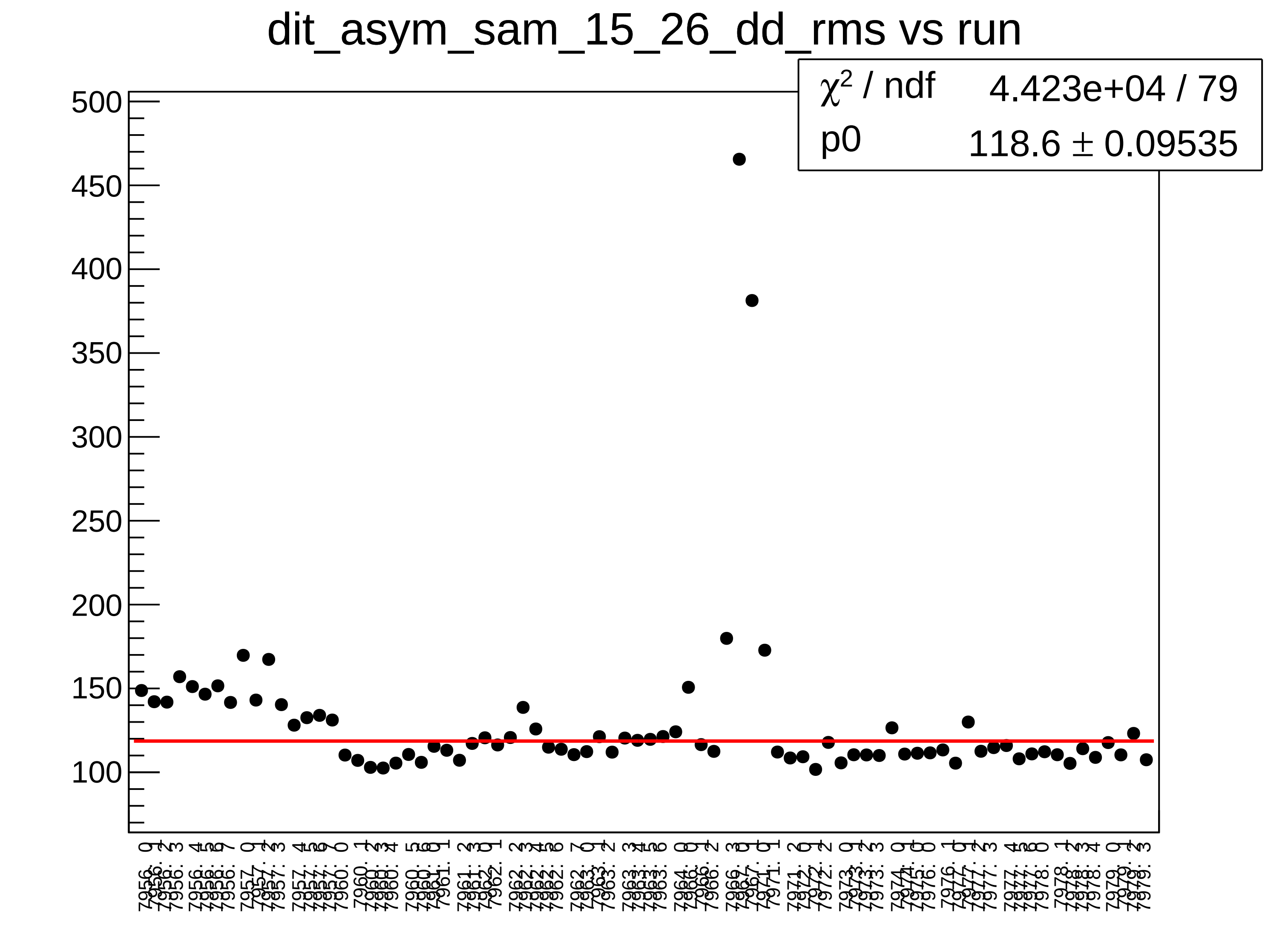

asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 4906 / 79
p0 436.9 ± 0.3468
500
480
460
440
420
400
380


asym_sam_37_48_dd_mean vs run
χ^2 / 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

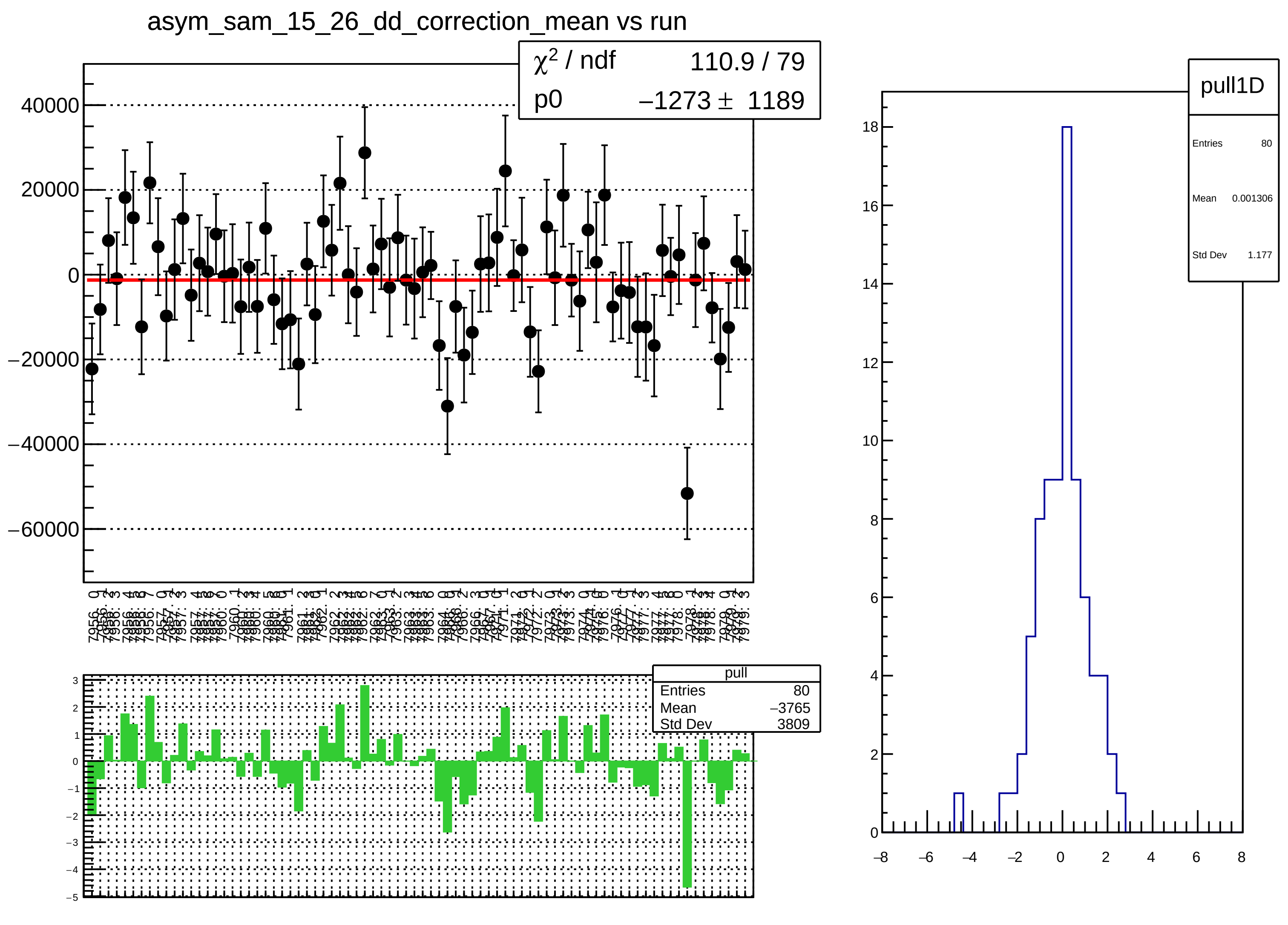

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2985 / 79
p0 432.1 ± 0.3428
500
480
460
440
420
400



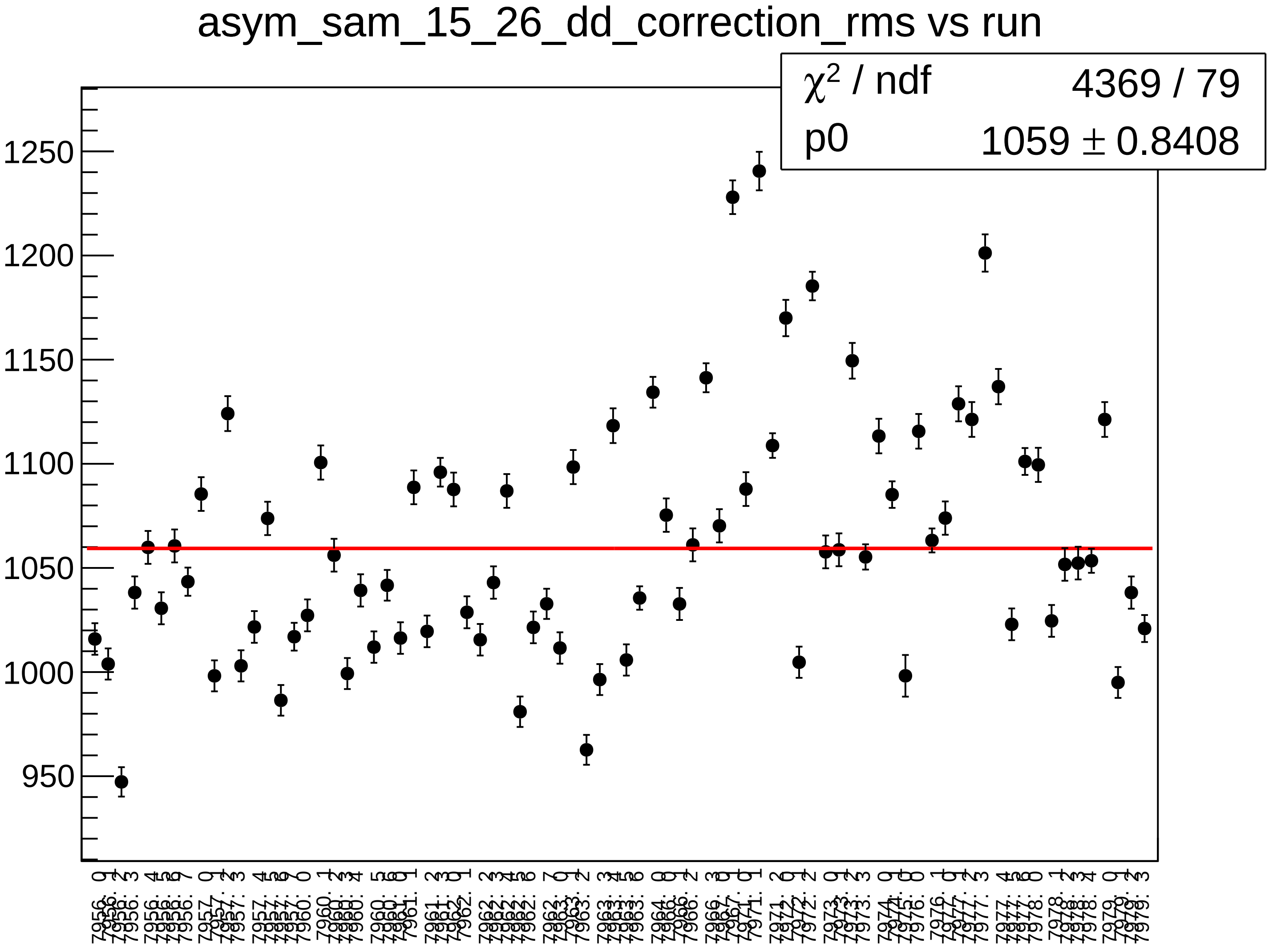
dit_asym_sam_15_26_dd_mean vs run
χ2 / ndf 88.63 / 79
p0 −201.9 ± 134.8
pull
Entries 80
Mean 1.4
Std Dev 26.18
pull1D
Entries 80
Mean 0.03953
Std Dev 1.052



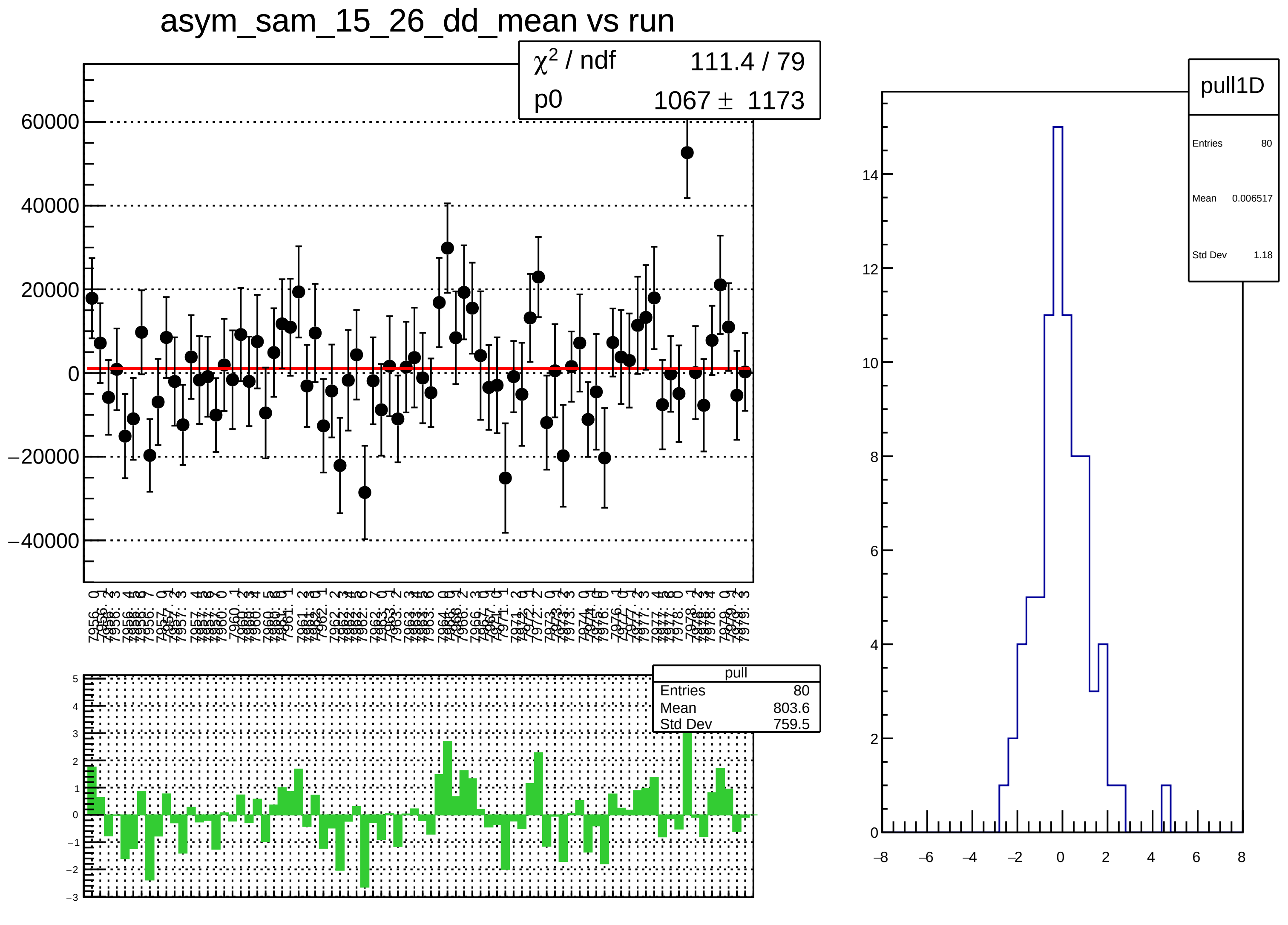
dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 4.423e+04 / 79
p0 118.6 ± 0.09535
500
450
400
350
300
250
200
150
100



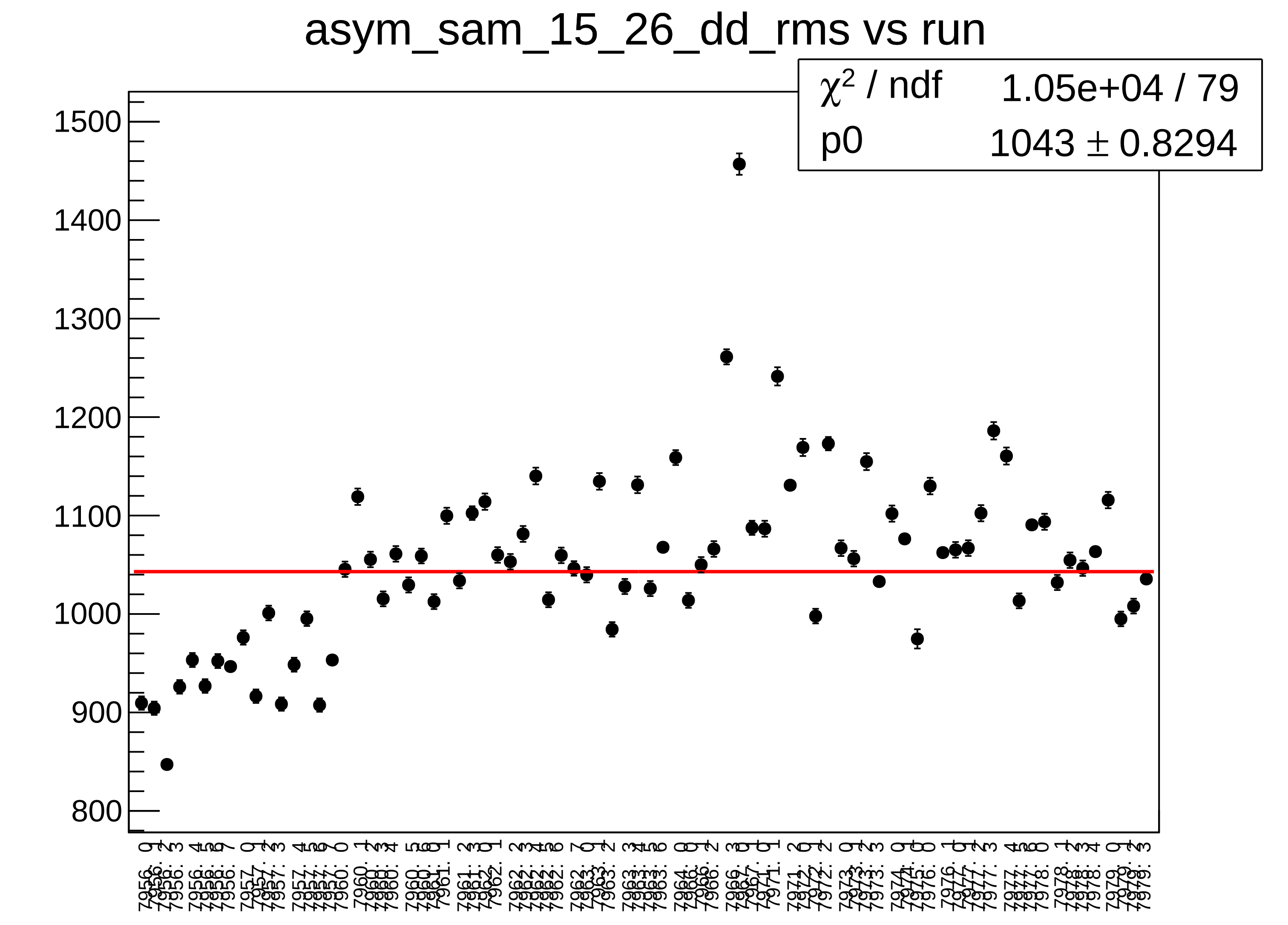
asym_sam_15_26_dd_correction_mean vs run
χ2 / ndf 110.9 / 79
p0 −1273 ± 1189
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −3765
Std Dev 3809
pull1D
Entries 80
Mean 0.001306
Std Dev 1.177



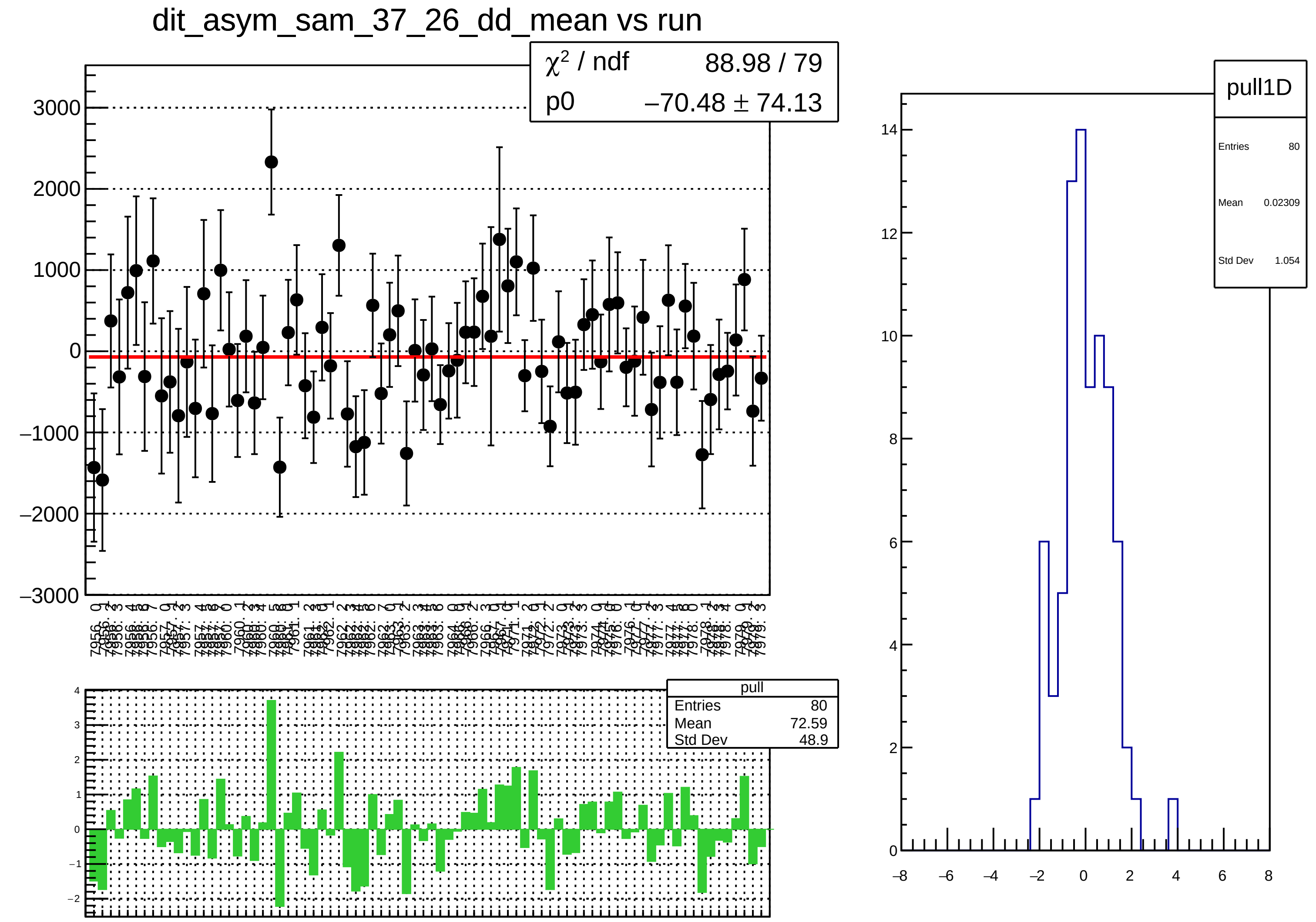
asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 4369 / 79
p0 1059 ± 0.8408
1250
1200
1150
1100
1050
1000
950



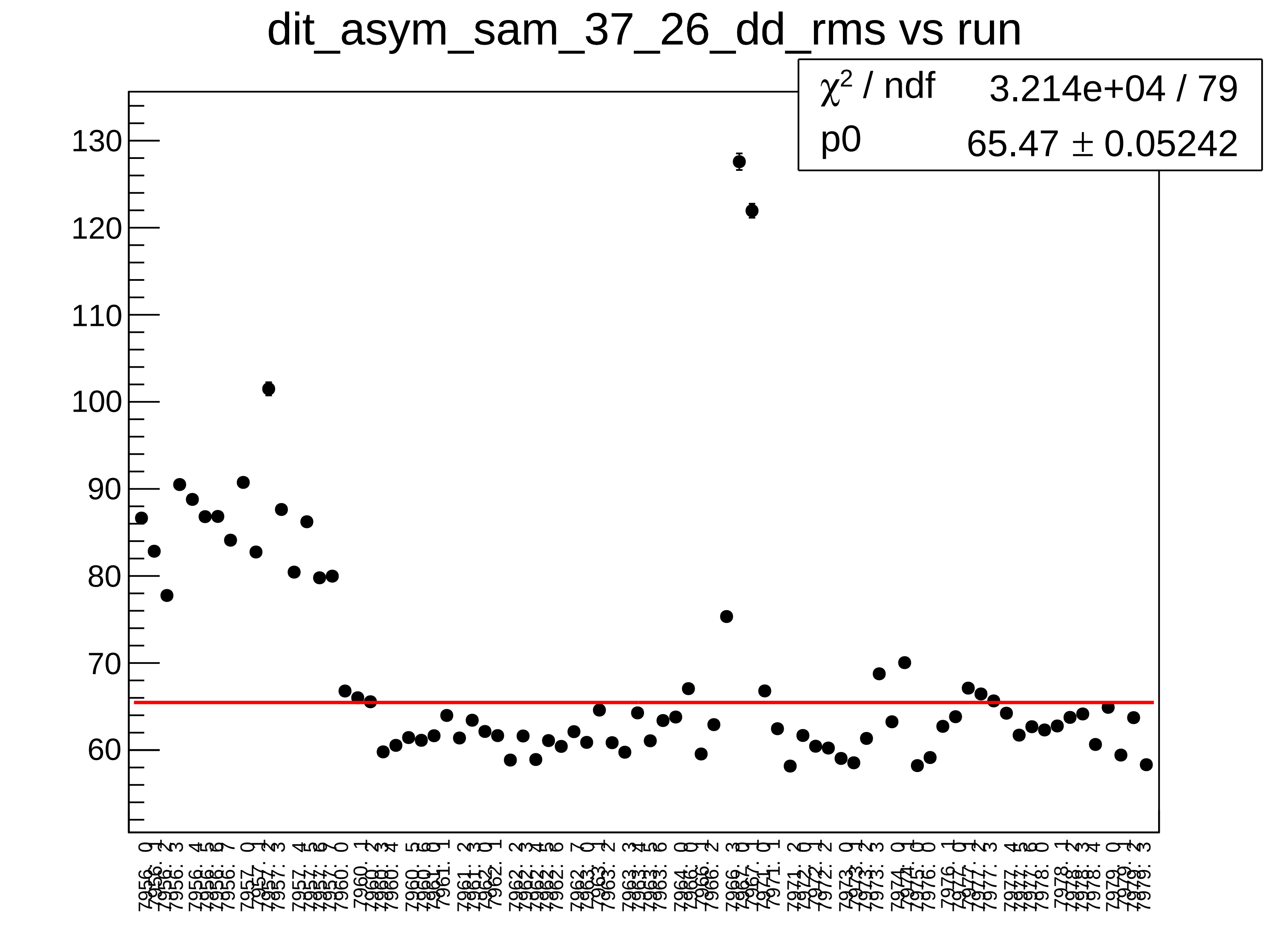
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 111.4 / 79
p0 1067 ± 1173
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 803.6
Std Dev 759.5
pull1D
Entries 80
Mean 0.006517
Std Dev 1.18



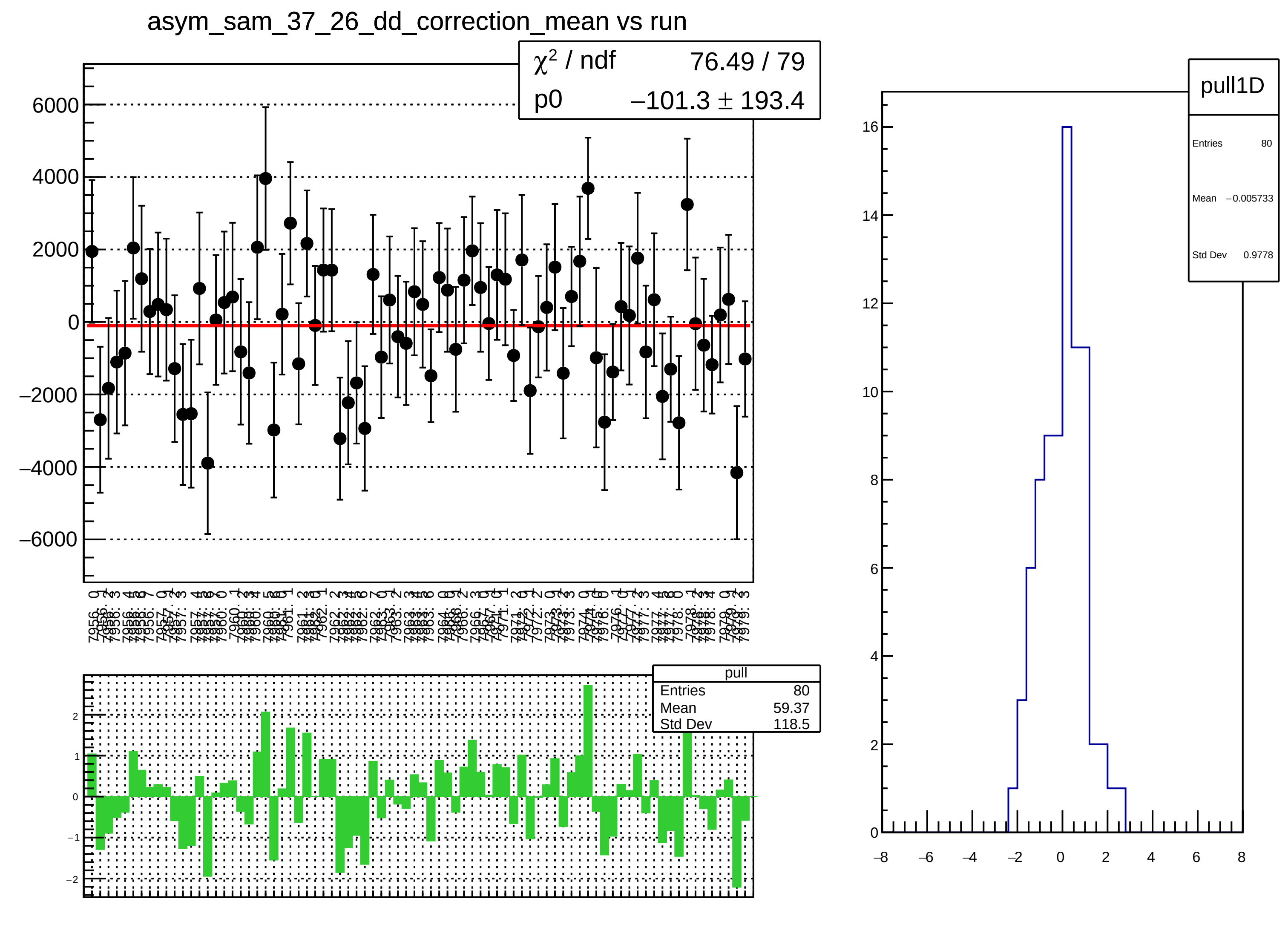
asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.05e+04 / 79
p0 1043 ± 0.8294
1500
1400
1300
1200
1100
1000
900
800



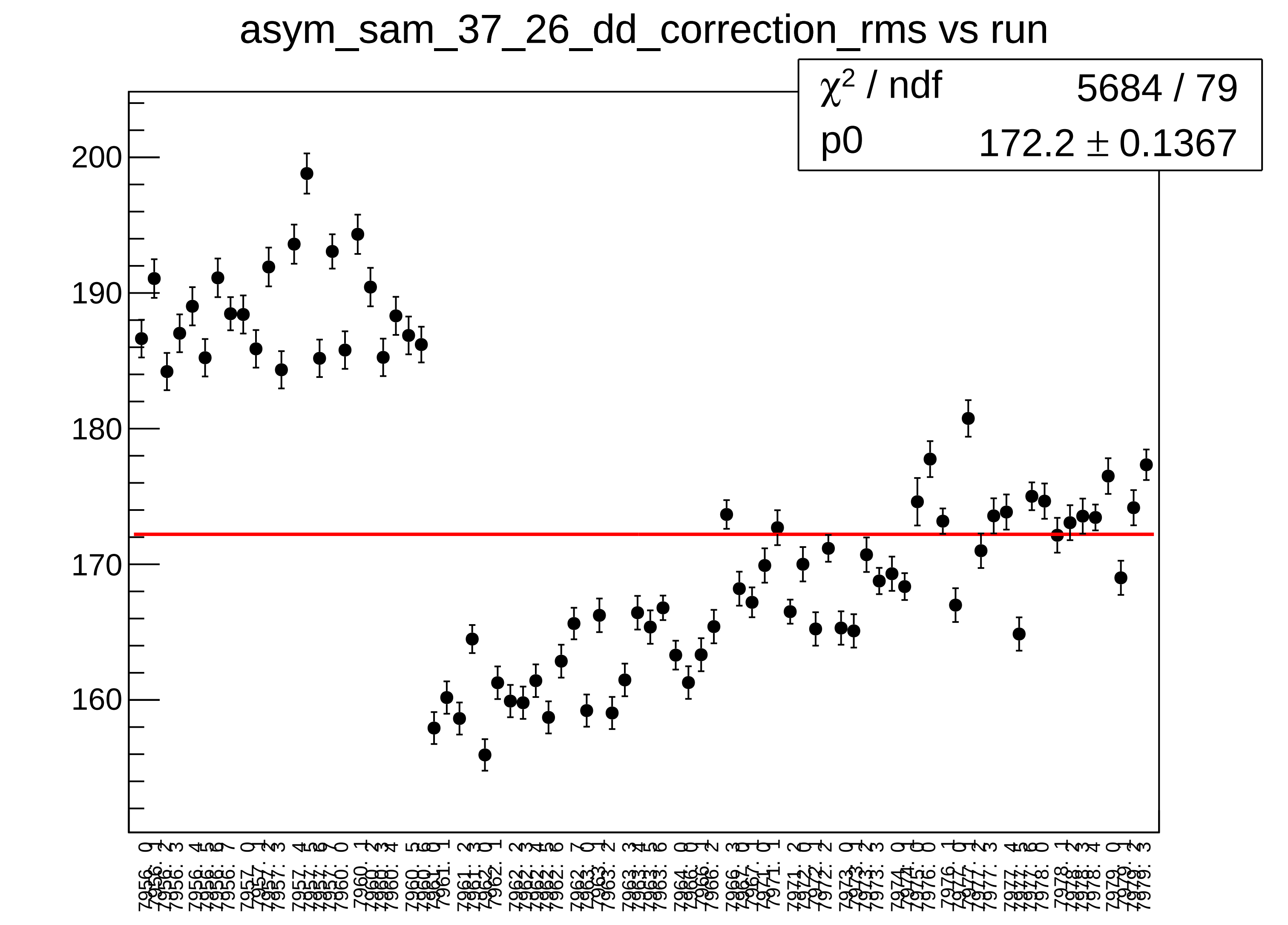
dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 88.98 / 79
p0 −70.48 ± 74.13
pull
Entries 80
Mean 72.59
Std Dev 48.9
pull1D
Entries 80
Mean 0.02309
Std Dev 1.054



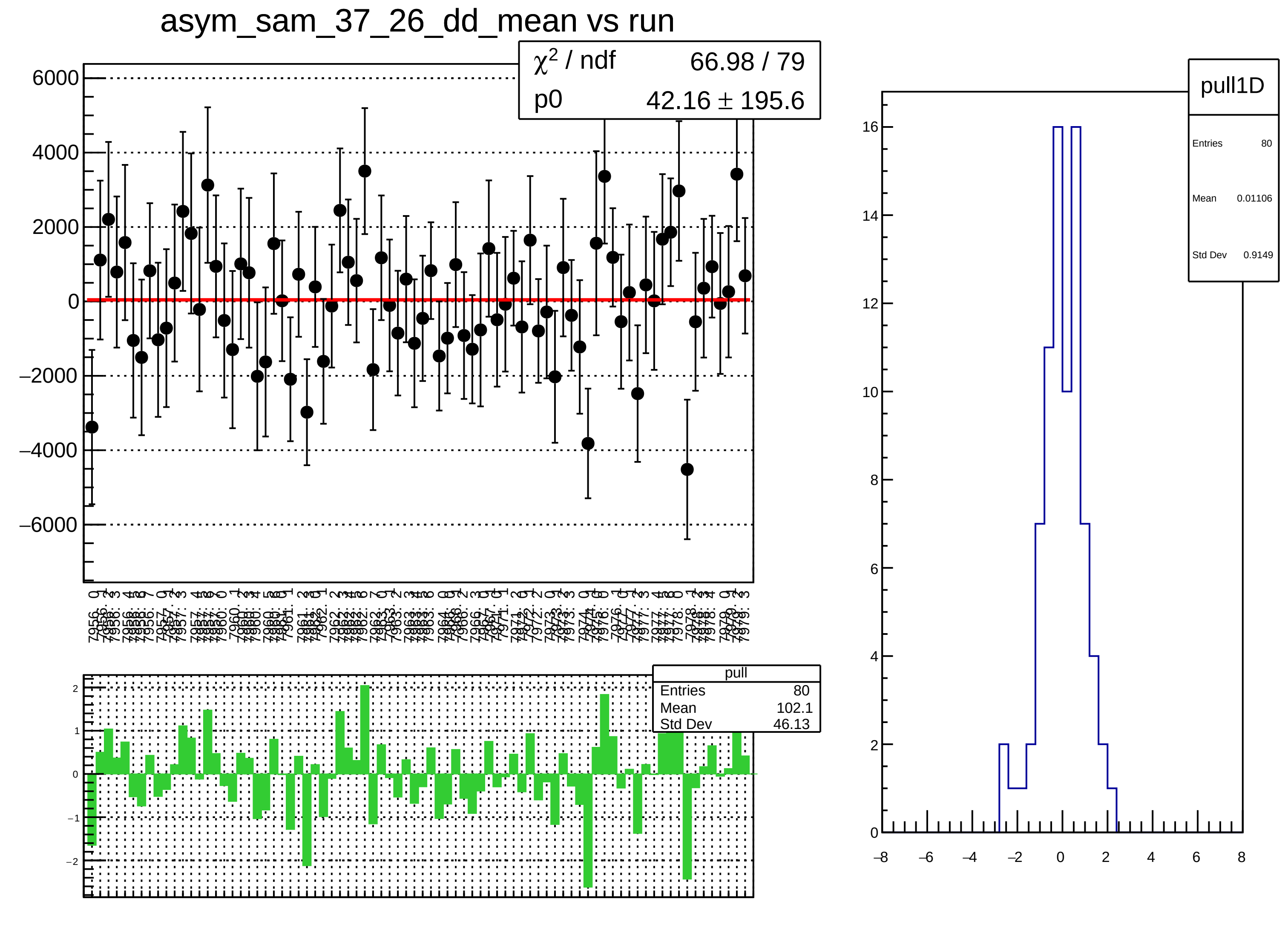
dit_asym_sam_37_26_dd_rms vs run
χ2 / ndf 3.214e+04 / 79
p0 65.47 ± 0.05242
130
120
110
100
90
80
70
60



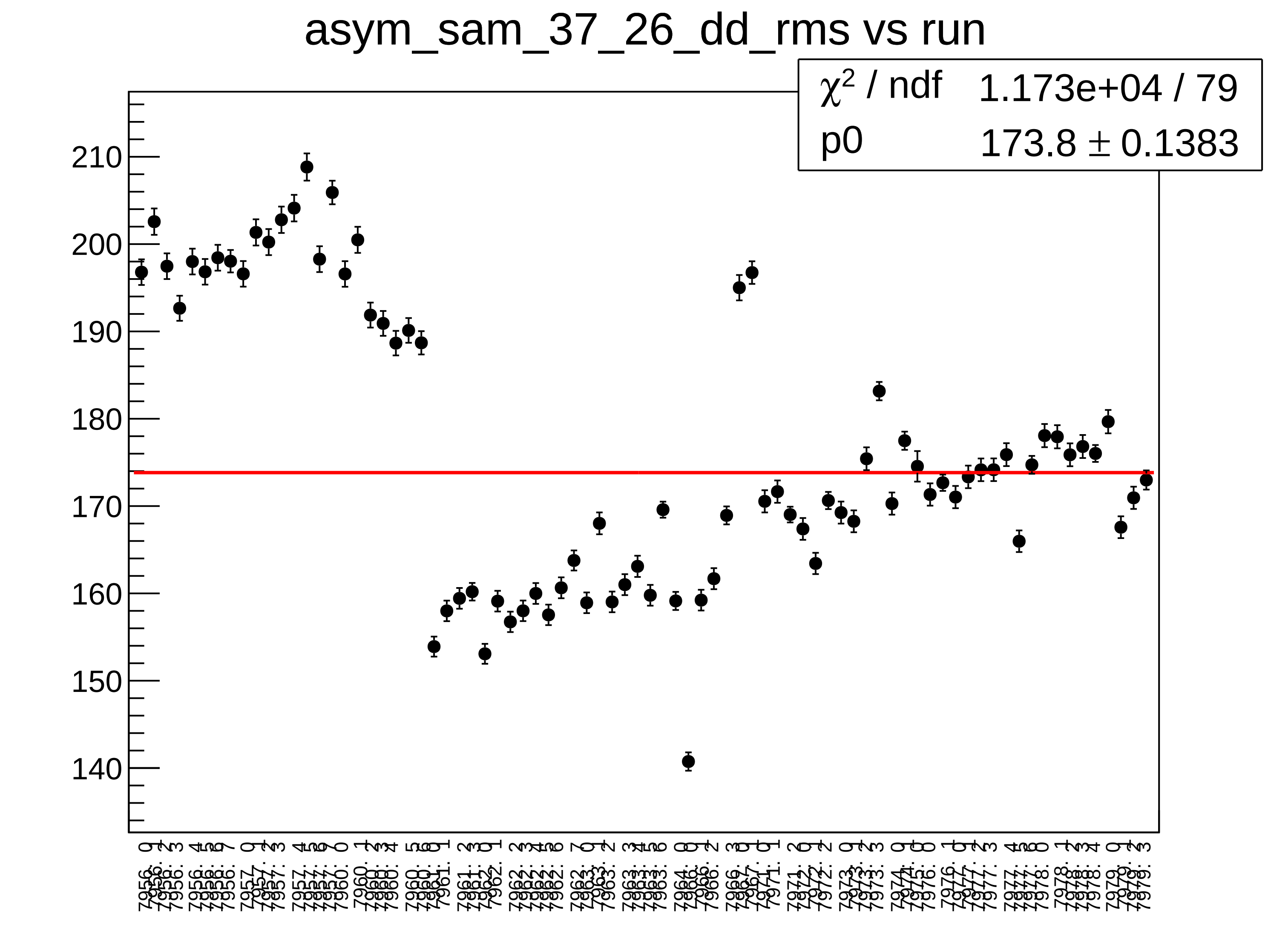
asym_sam_37_26_dd_correction_mean vs run
χ2 / ndf 76.49 / 79
p0 −101.3 ± 193.4
pull
Entries 80
Mean 59.37
Std Dev 118.5
pull1D
Entries 80
Mean −0.005733
Std Dev 0.9778

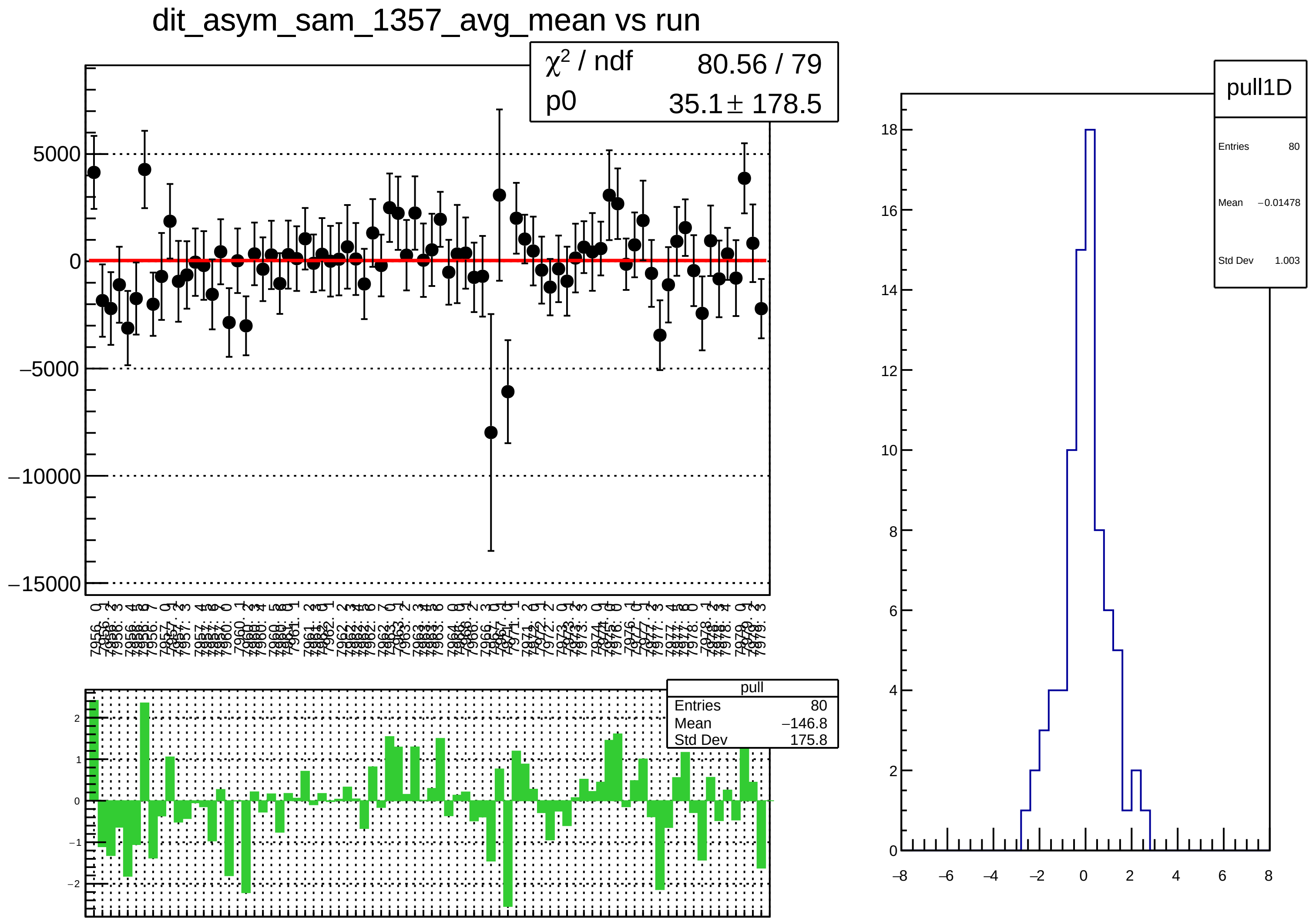


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 5684 / 79
p0 172.2 ± 0.1367
200
190
180
170
160

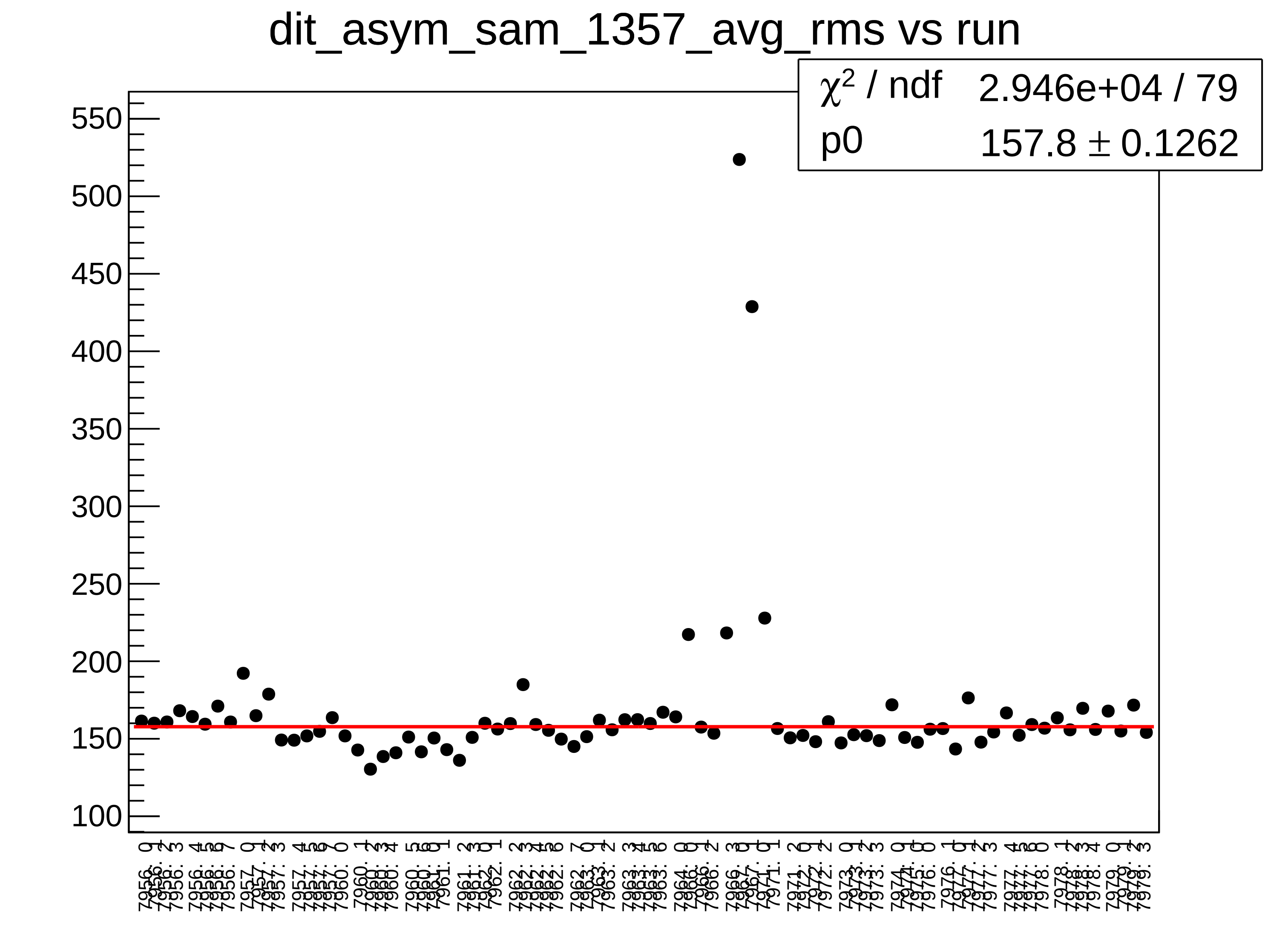


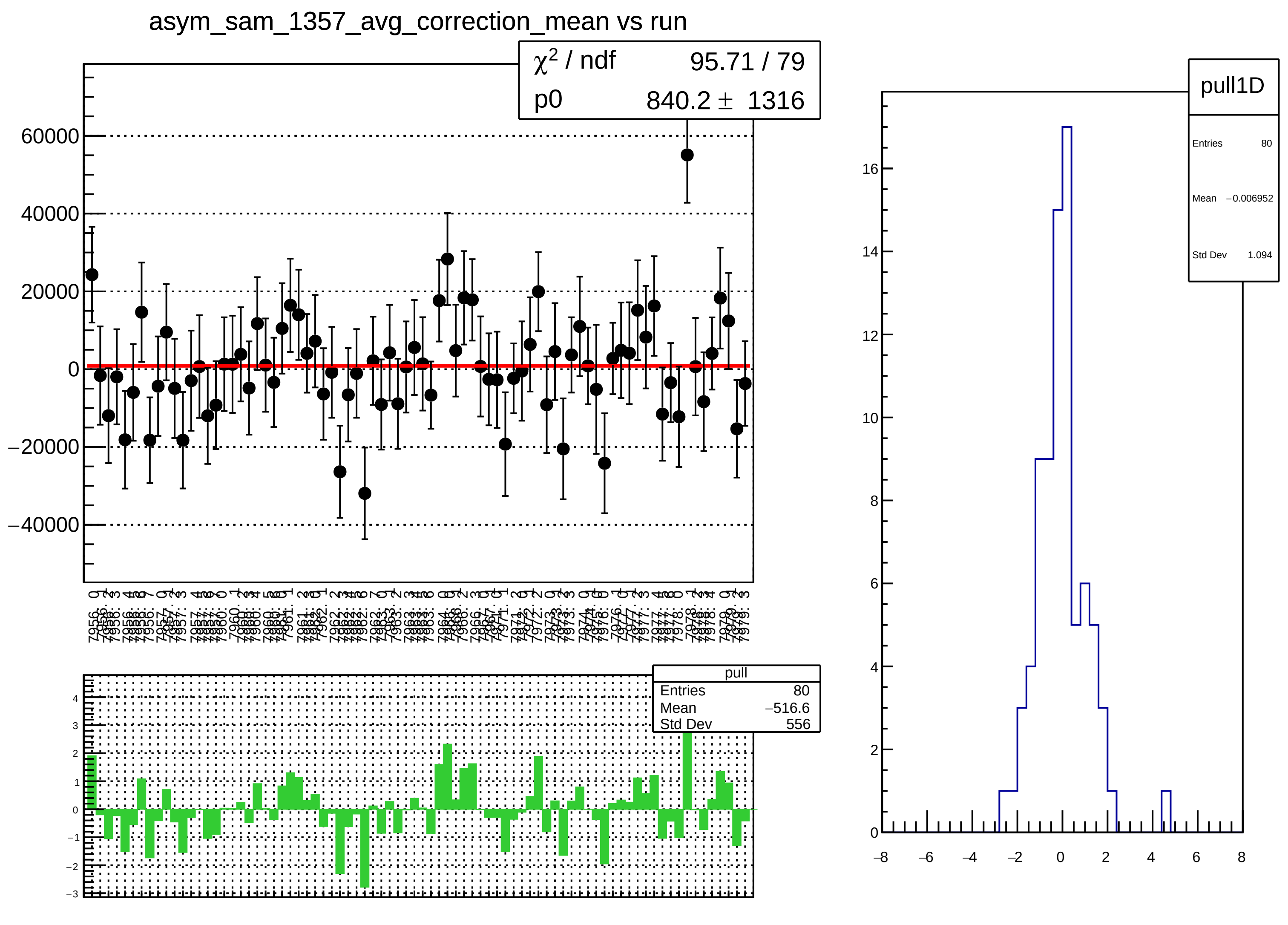
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 66.98 / 79
p0 42.16 ± 195.6
pull
Entries 80
Mean 102.1
Std Dev 46.13
pull1D
Entries 80
Mean 0.01106
Std Dev 0.9149

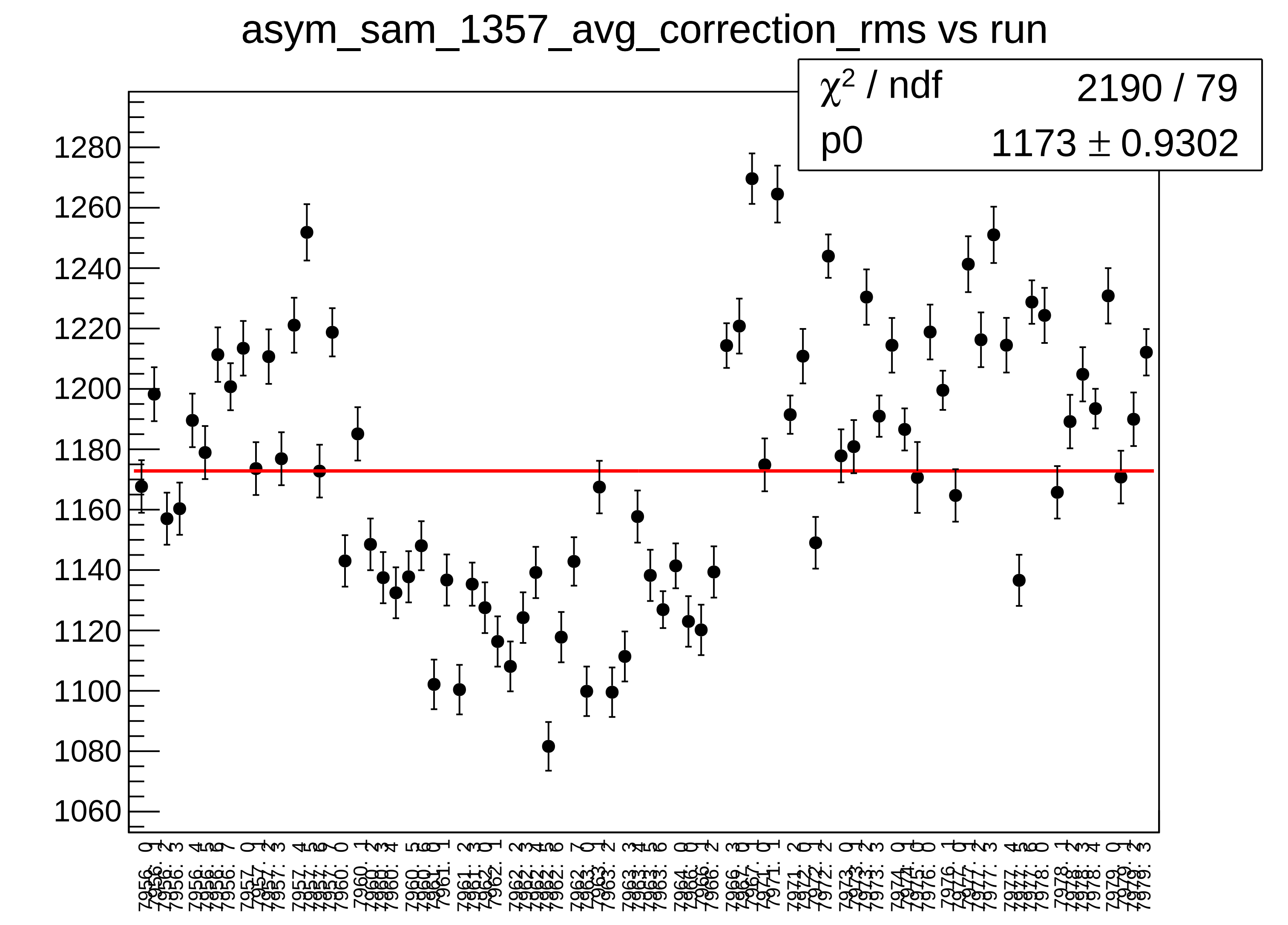

asym_sam_37_26_dd_rms vs run
χ2 / ndf 1.173e+04 / 79
p0 173.8 ± 0.1383
210
200
190
180
170
160
150
140

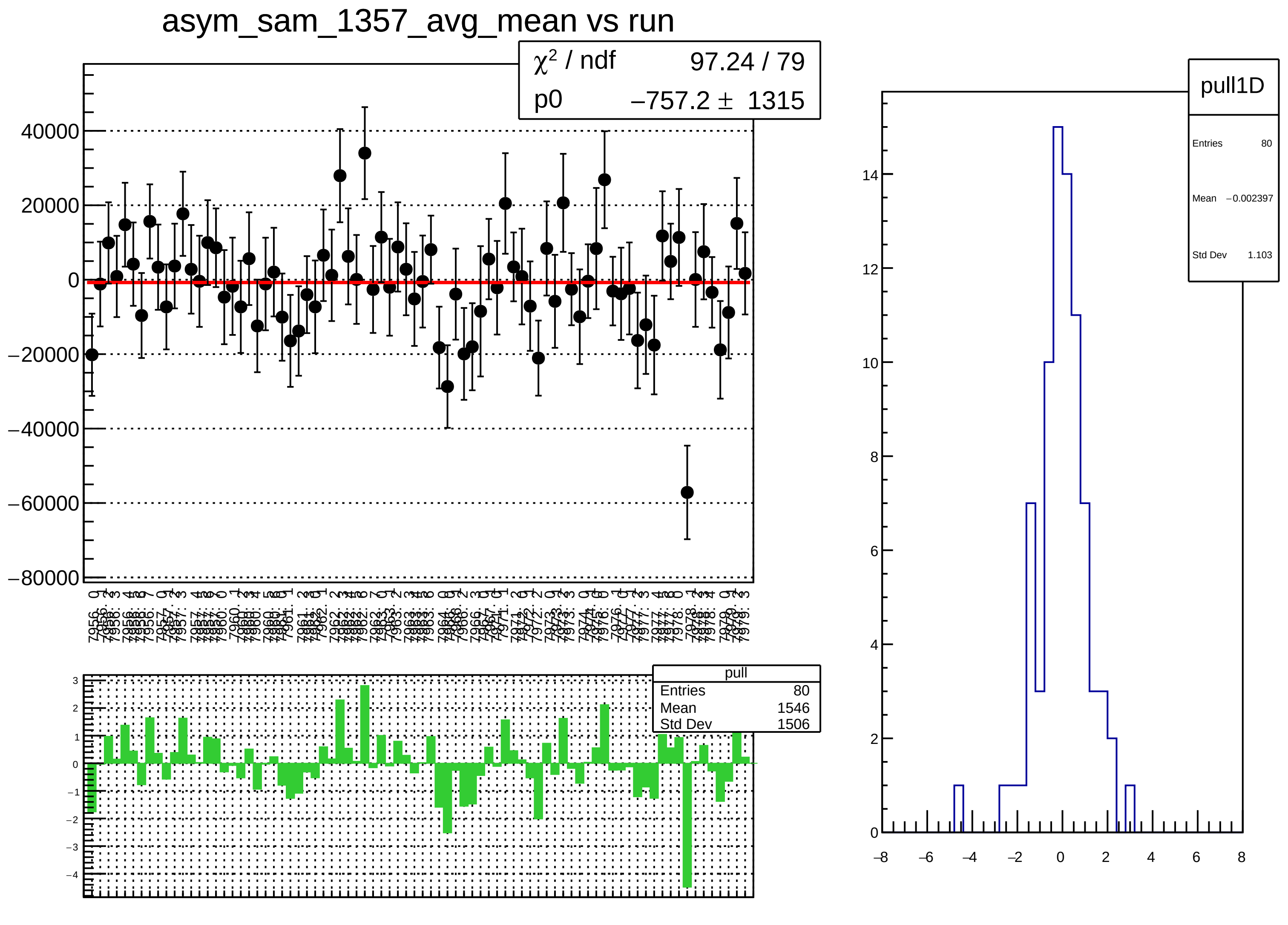


dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 80.56 / 79
p0 35.1 ± 178.5
pull
Entries 80
Mean −146.8
Std Dev 175.8
pull1D
Entries 80
Mean −0.01478
Std Dev 1.003

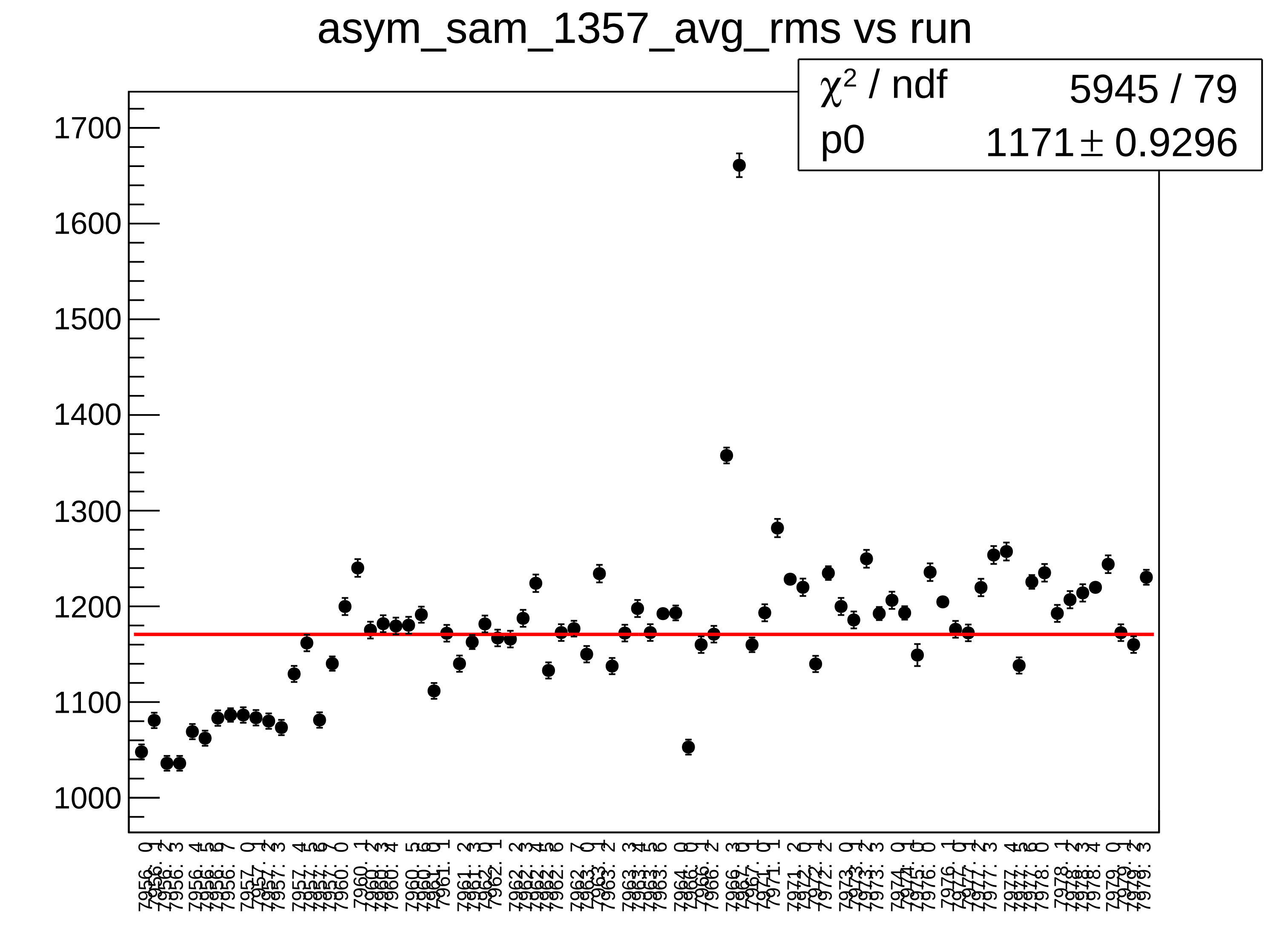

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.946e+04 / 79
p0 157.8 ± 0.1262
550
500
450
400
350
300
250
200
150
100


asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 95.71 / 79
p0 840.2 ± 1316
pull
Entries 80
Mean −516.6
Std Dev 556
pull1D
Entries 80
Mean −0.006952
Std Dev 1.094


asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 2190 / 79
p0 1173 ± 0.9302
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

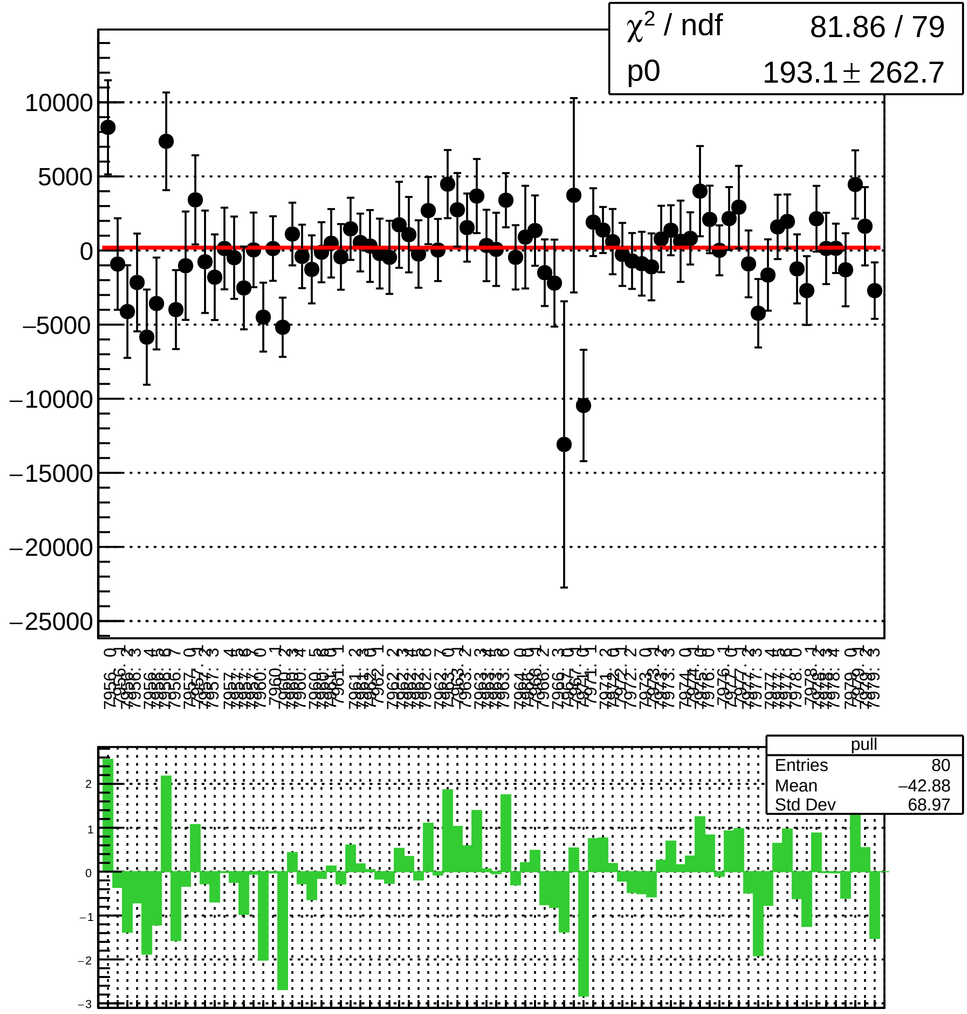


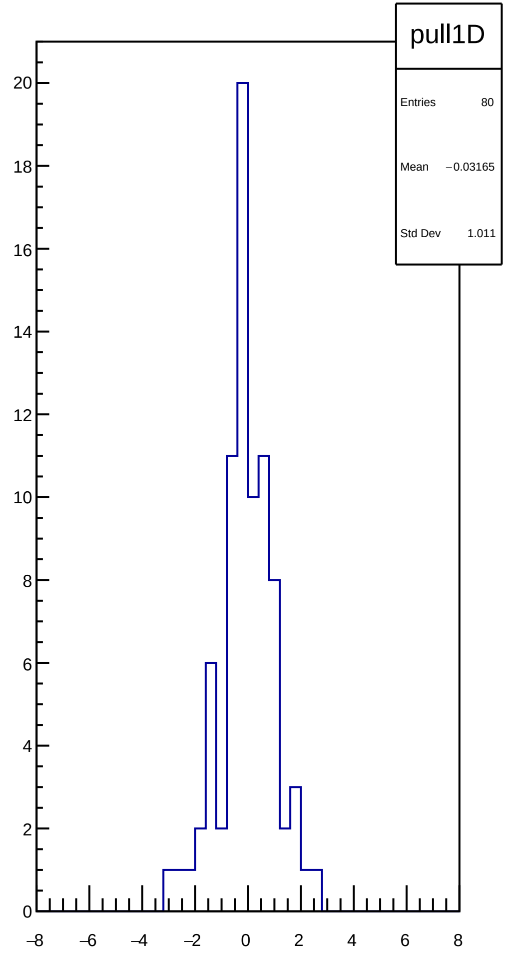
asym_sam_1357_avg_mean vs run
χ^2 / ndf 97.24 / 79
p0 −757.2 ± 1315
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean 1546
Std Dev 1506
pull1D
Entries 80
Mean −0.002397
Std Dev 1.103

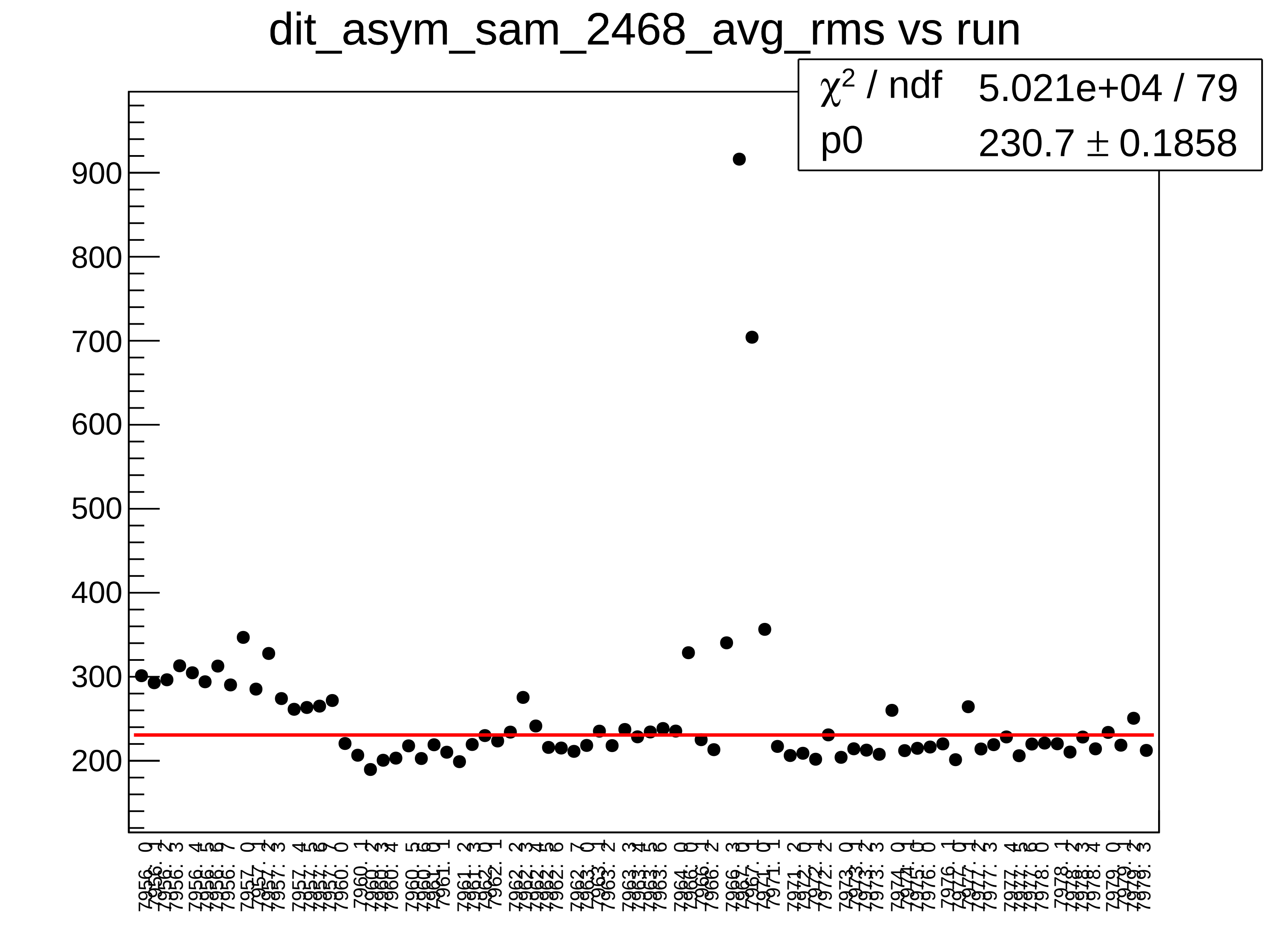


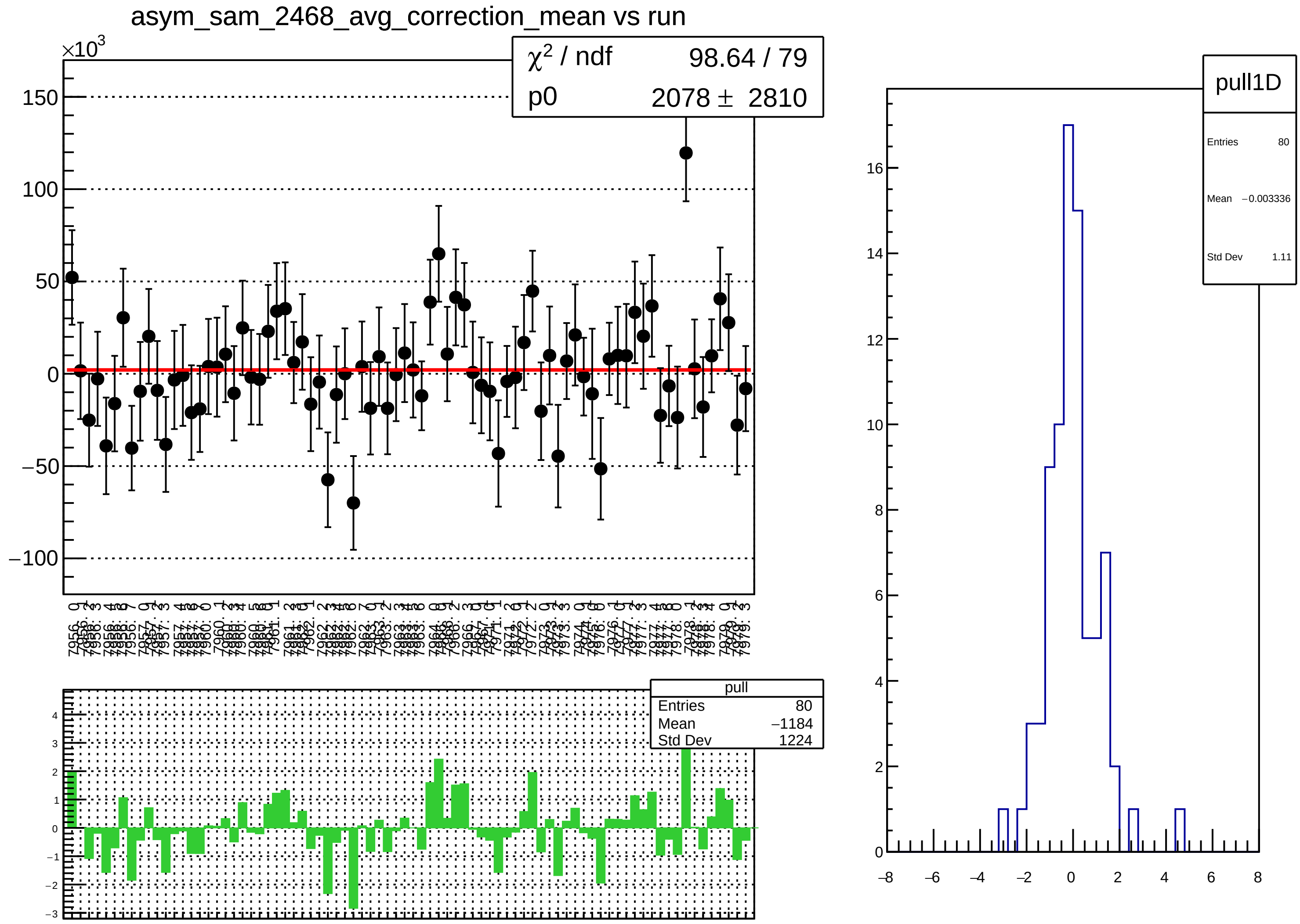
asym_sam_1357_avg_rms vs run
χ2 / ndf 5945 / 79
p0 1171 ± 0.9296

dit_asym_sam_2468_avg_mean vs run

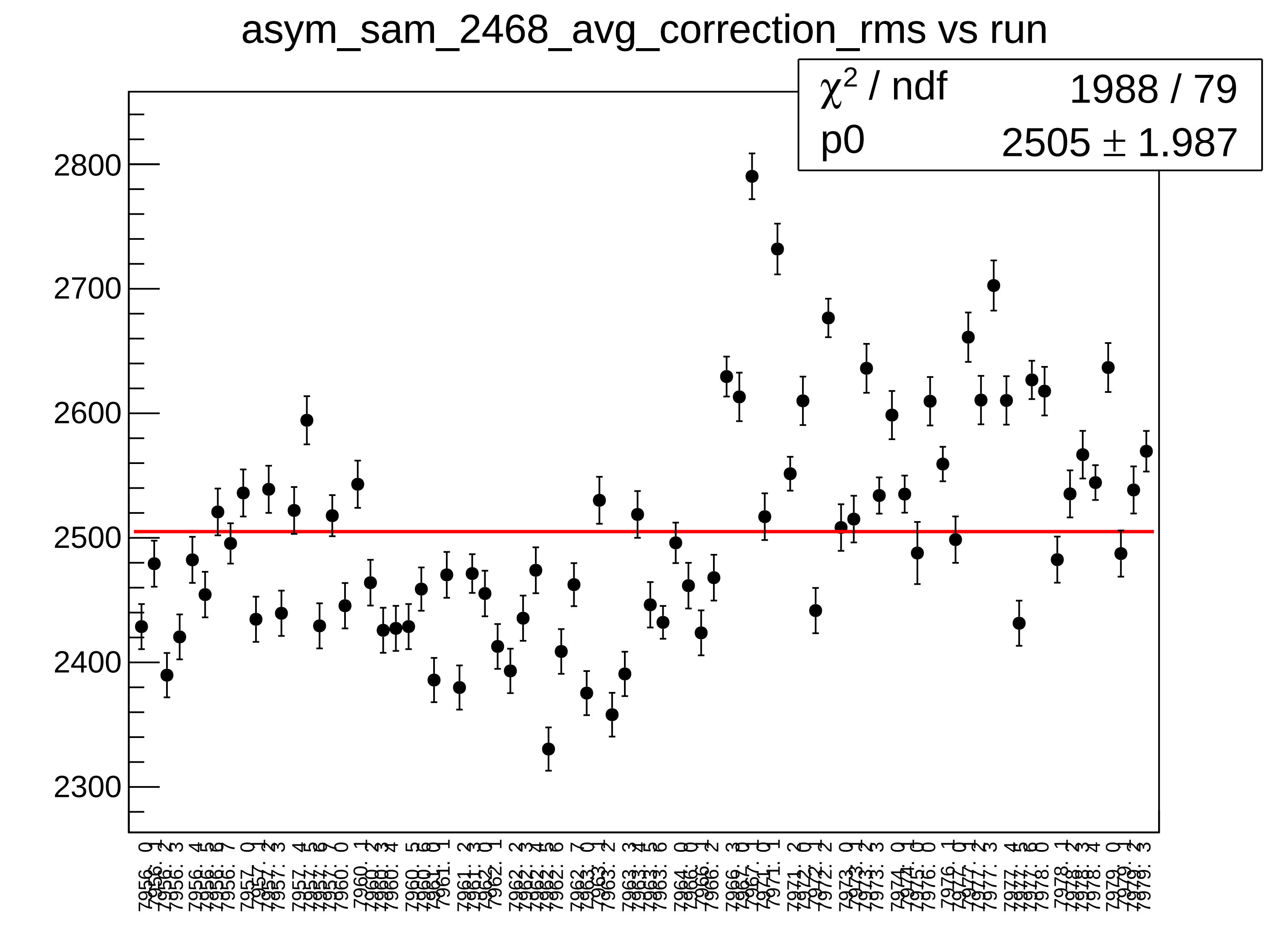




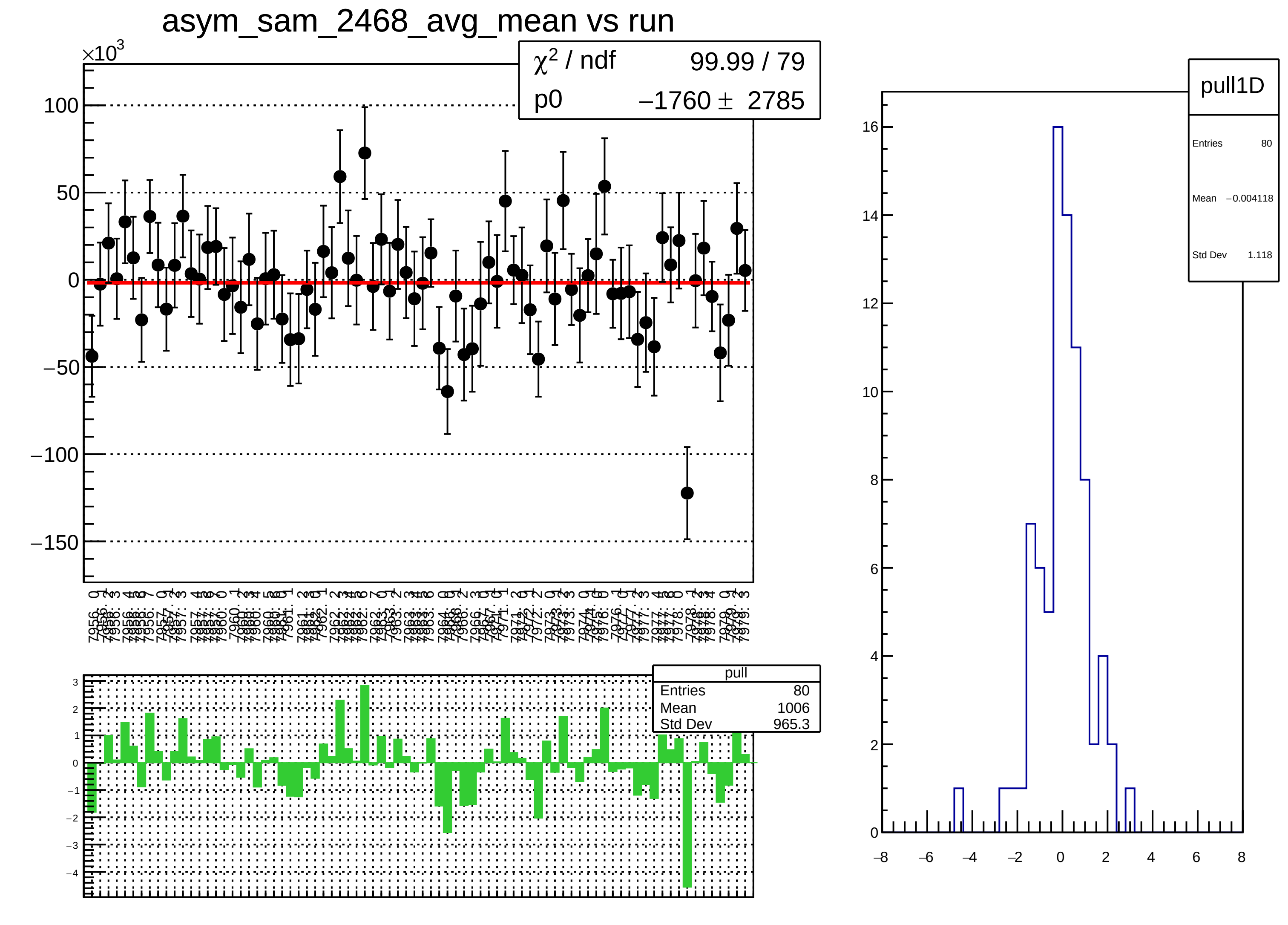

dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 5.021e+04 / 79
p0 230.7 ± 0.1858



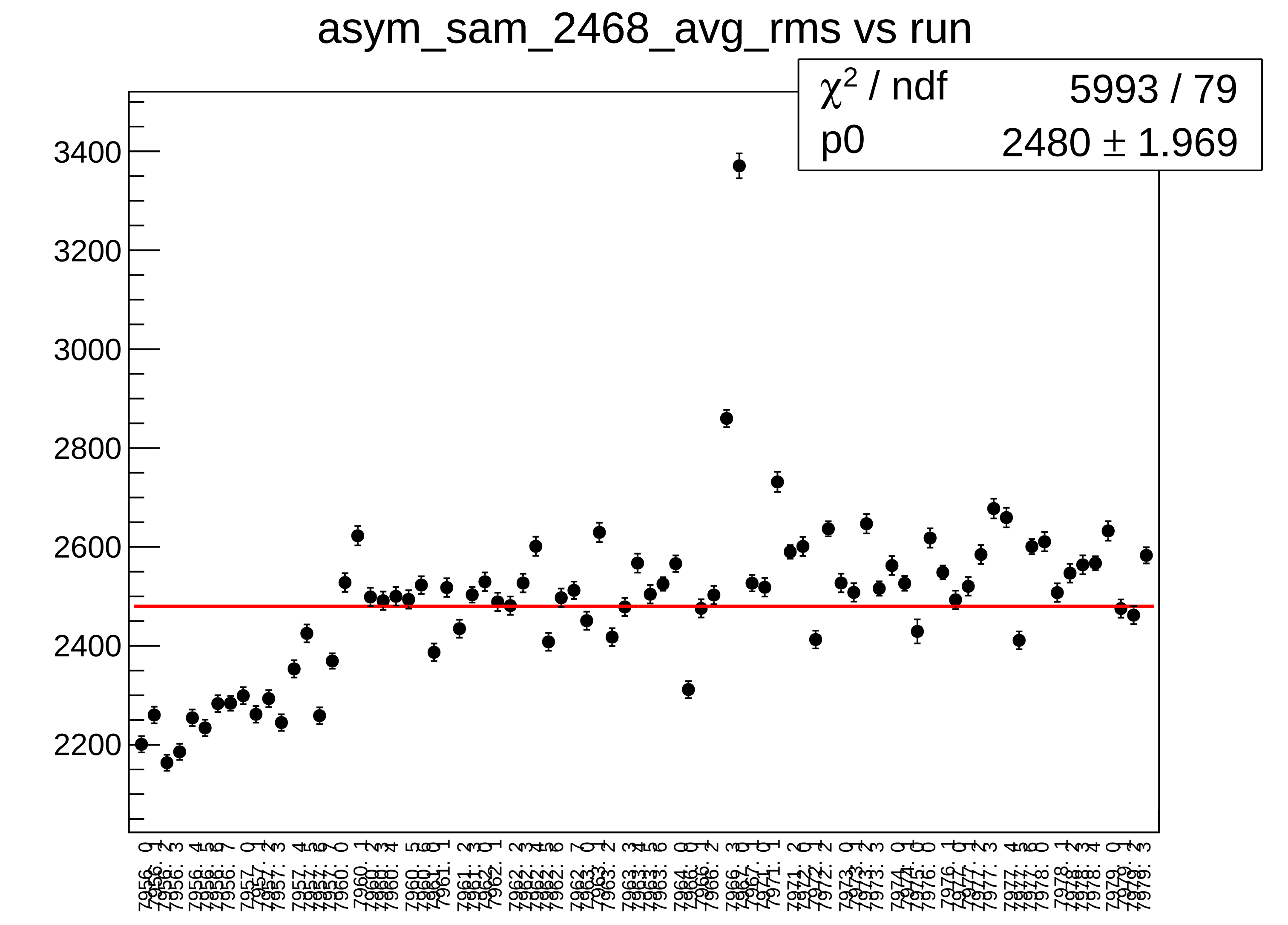
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 98.64 / 79
p0 2078 ± 2810
pull
Entries 80
Mean −1184
Std Dev 1224
pull1D
Entries 80
Mean −0.003336
Std Dev 1.11



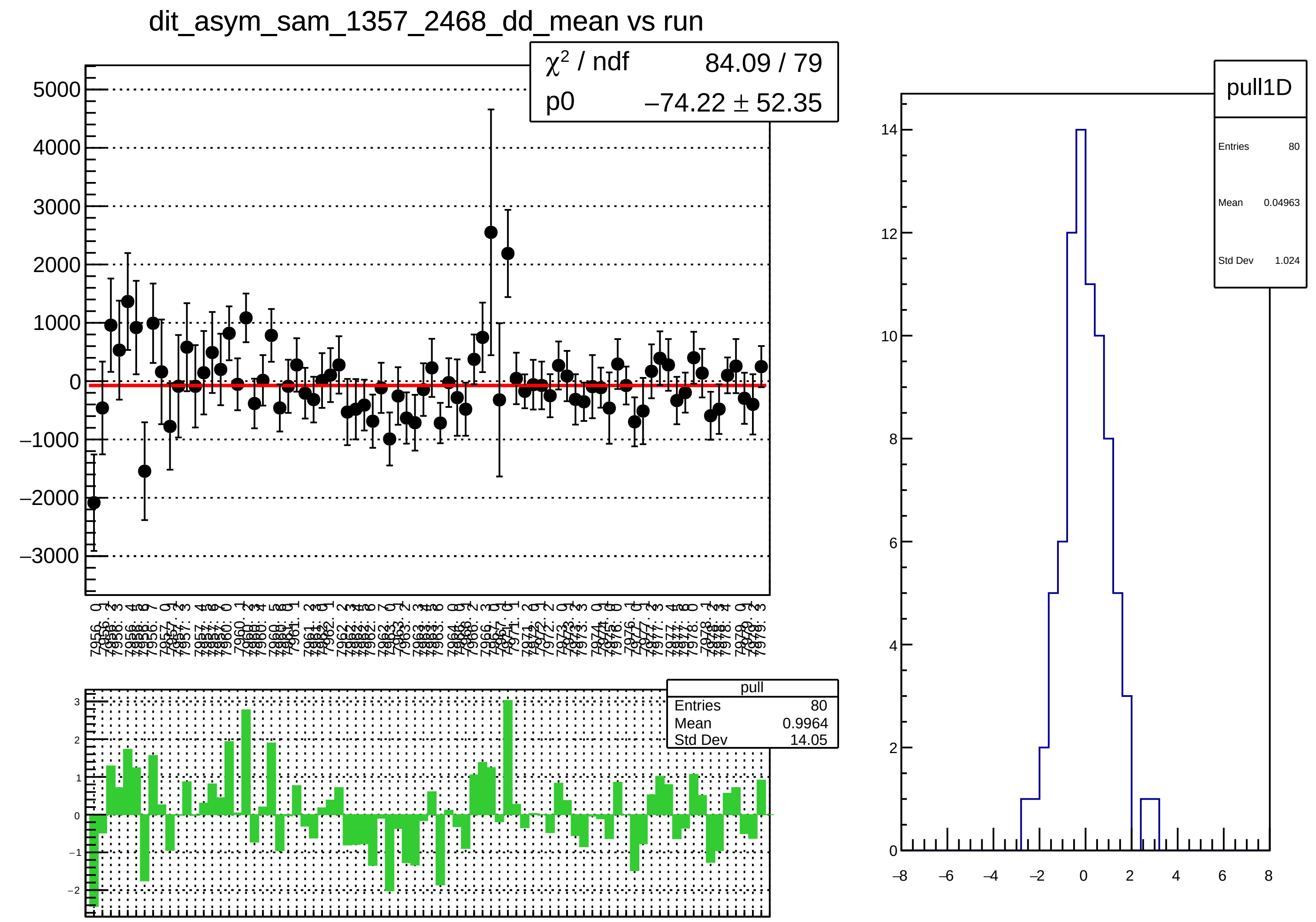
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 1988 / 79
p0 2505 ± 1.987
2800
2700
2600
2500
2400
2300



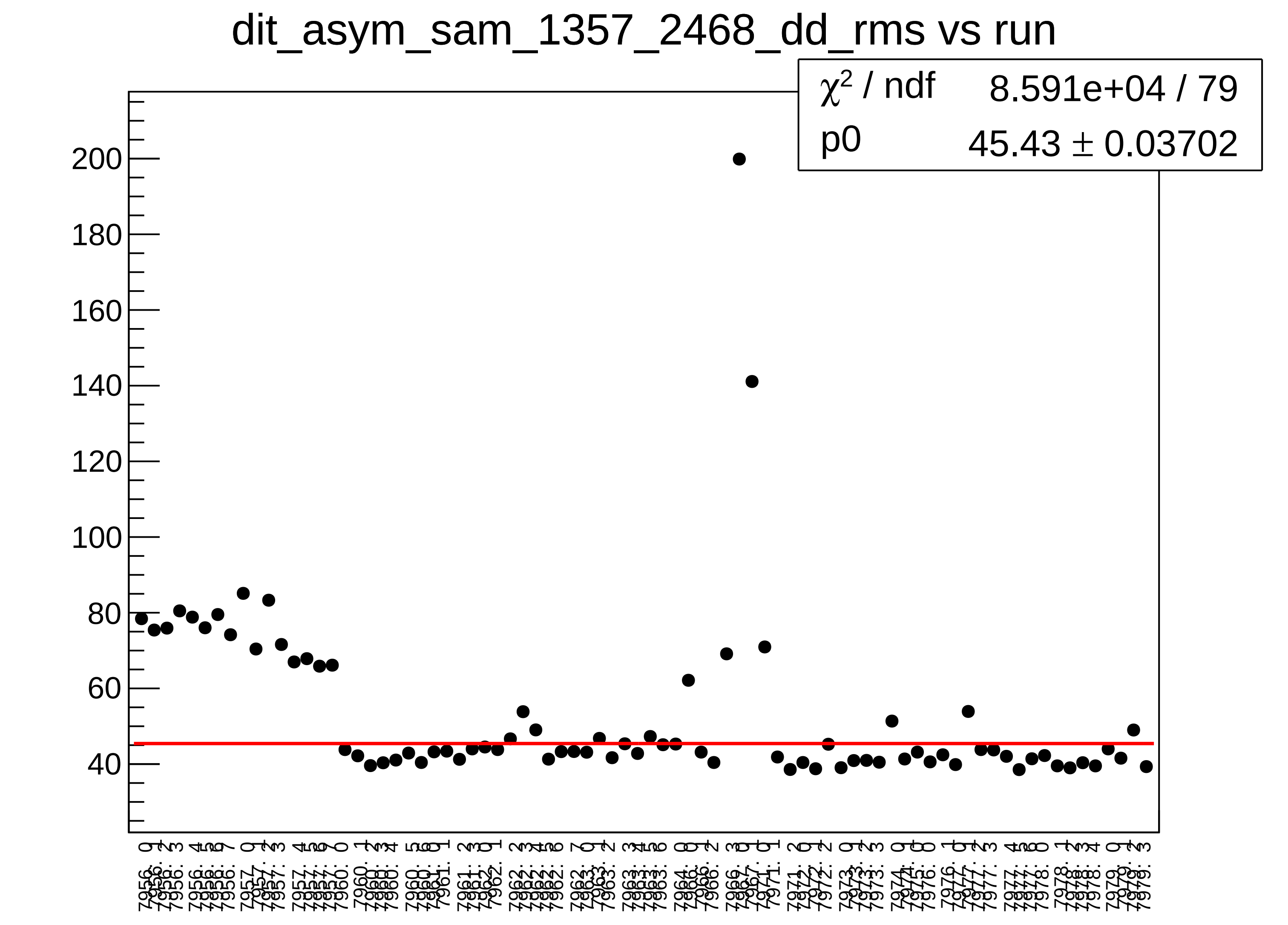
asym_sam_2468_avg_mean vs run
χ2 / ndf 99.99 / 79
p0 −1760 ± 2785
×10^3
pull
Entries 80
Mean 1006
Std Dev 965.3
pull1D
Entries 80
Mean −0.004118
Std Dev 1.118



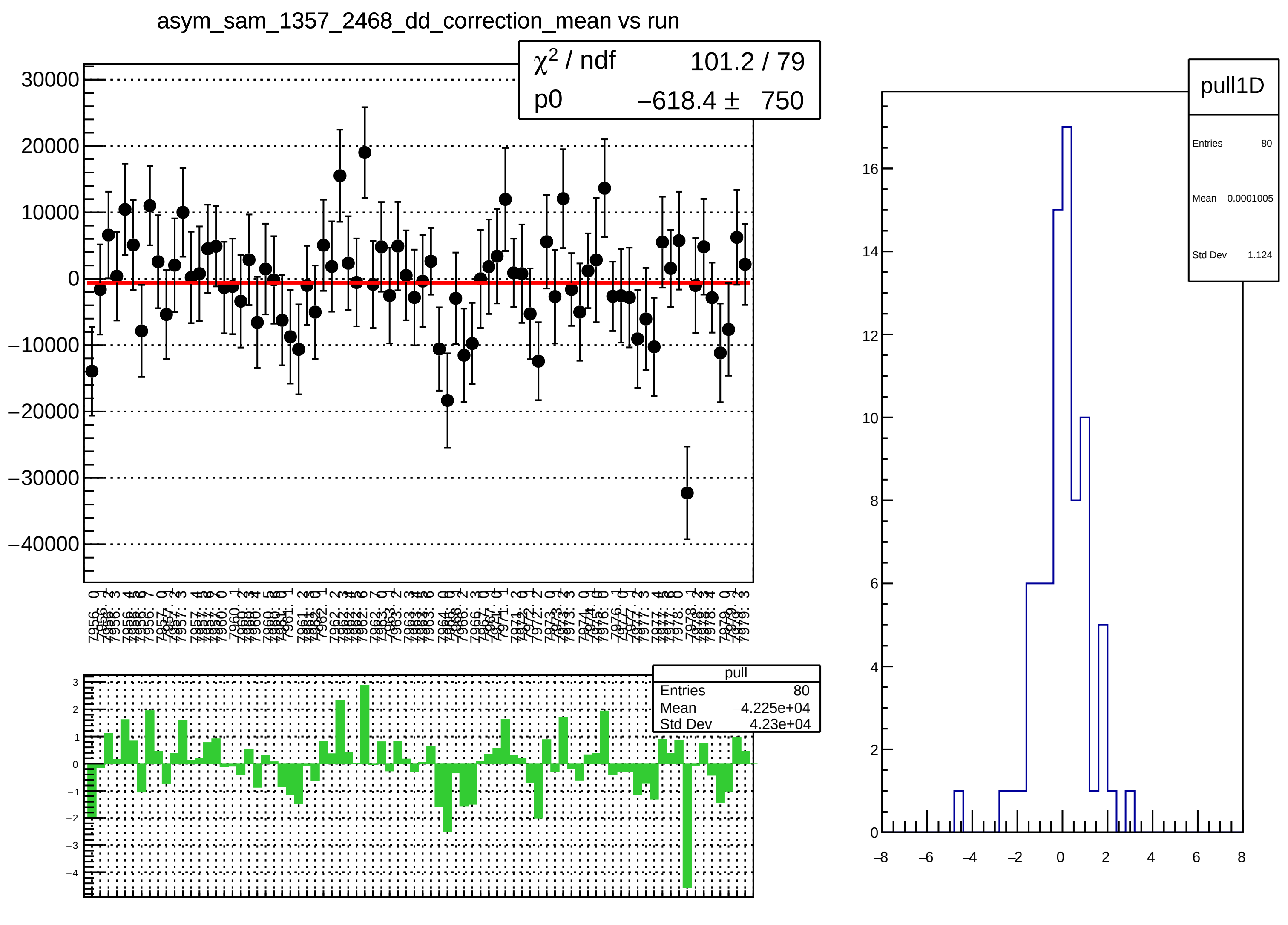
asym_sam_2468_avg_rms vs run
χ^2 / ndf 5993 / 79
p0 2480 ± 1.969
3400
3200
3000
2800
2600
2400
2200



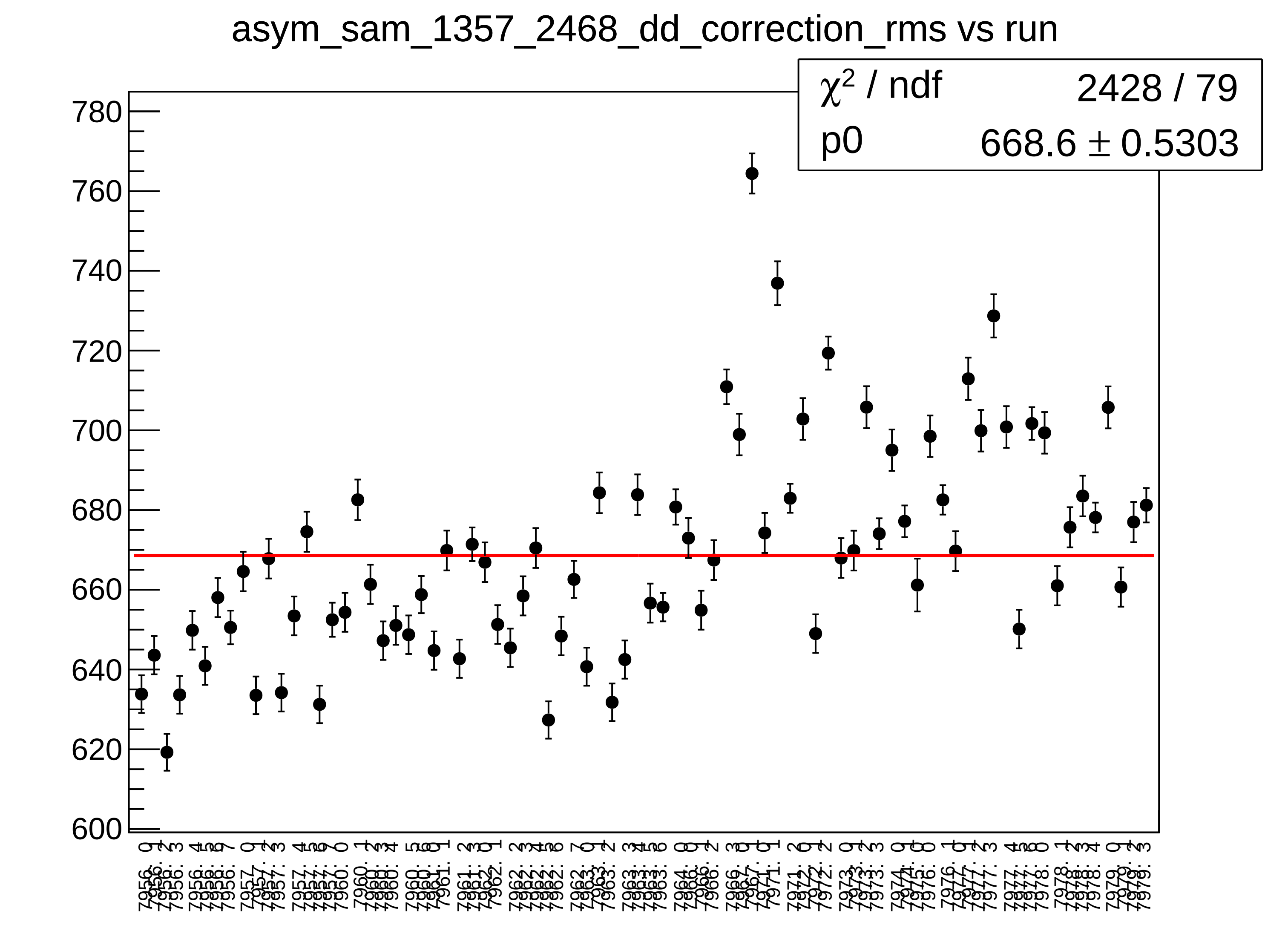
dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 84.09 / 79
p0 −74.22 ± 52.35
pull
Entries 80
Mean 0.9964
Std Dev 14.05
pull1D
Entries 80
Mean 0.04963
Std Dev 1.024



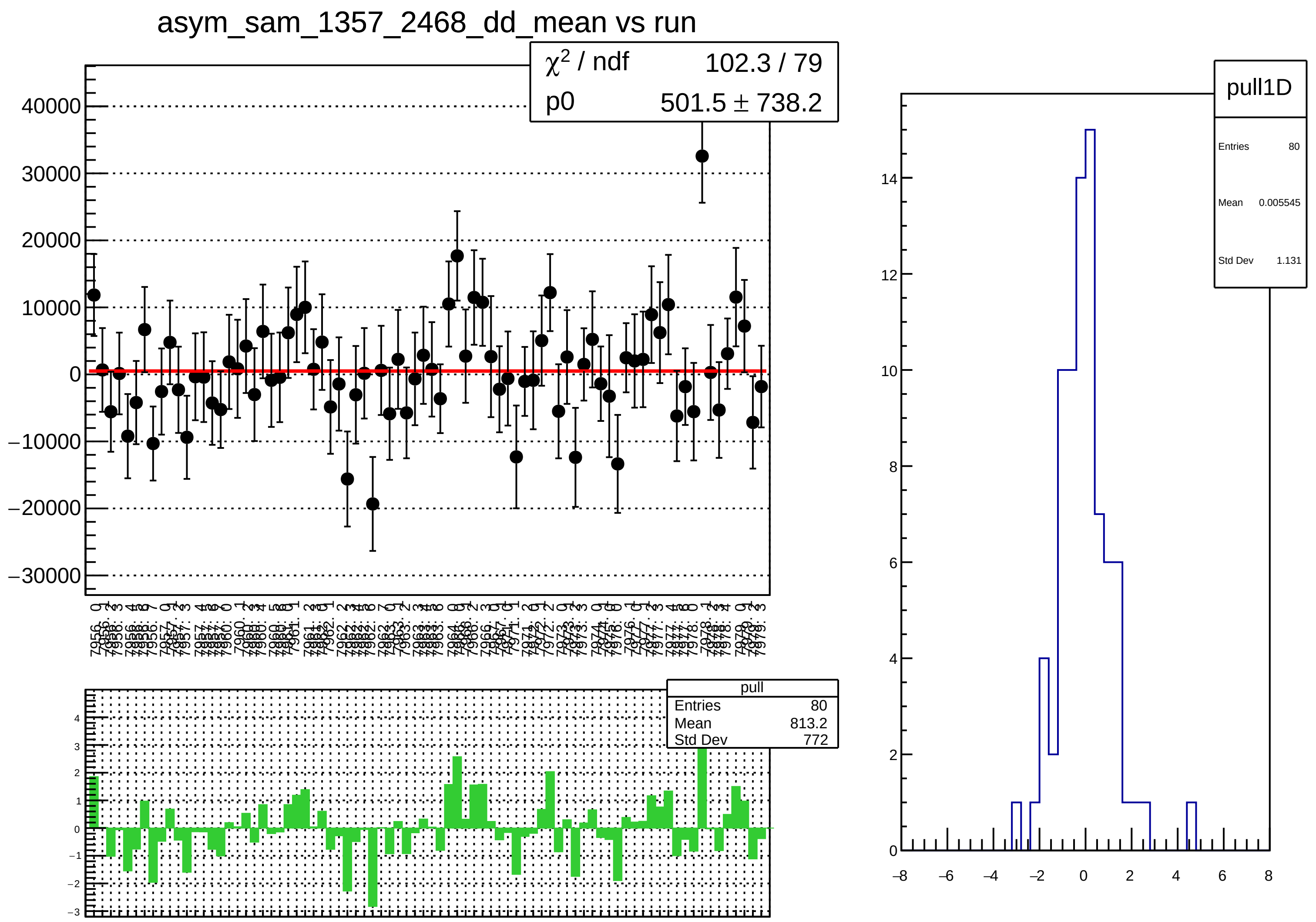
dit_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 8.591e+04 / 79
p0 45.43 ± 0.03702
200
180
160
140
120
100
80
60
40



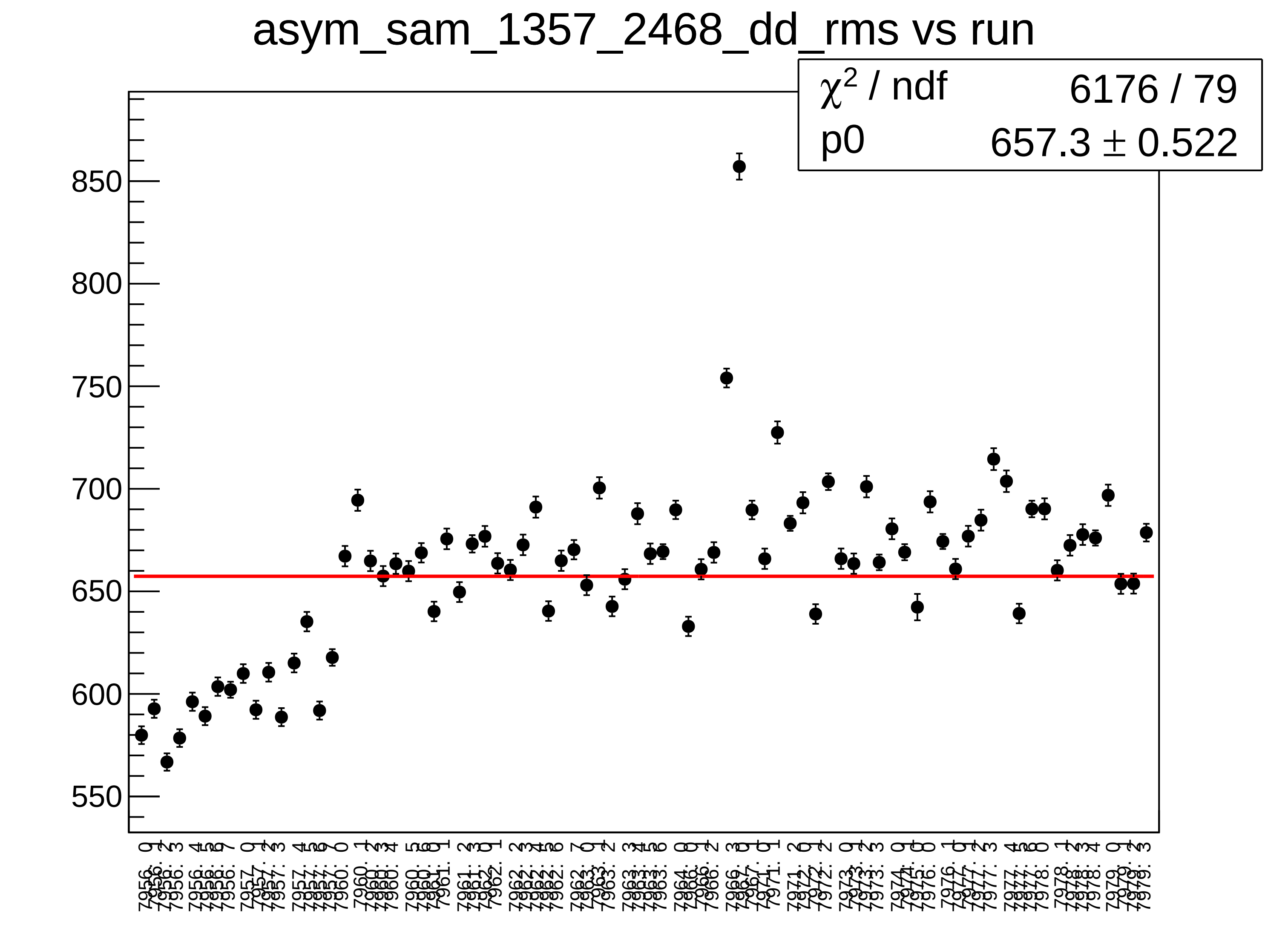
asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 101.2 / 79
p0 −618.4 ± 750
pull
Entries 80
Mean −4.225e+04
Std Dev 4.23e+04
pull1D
Entries 80
Mean 0.0001005
Std Dev 1.124

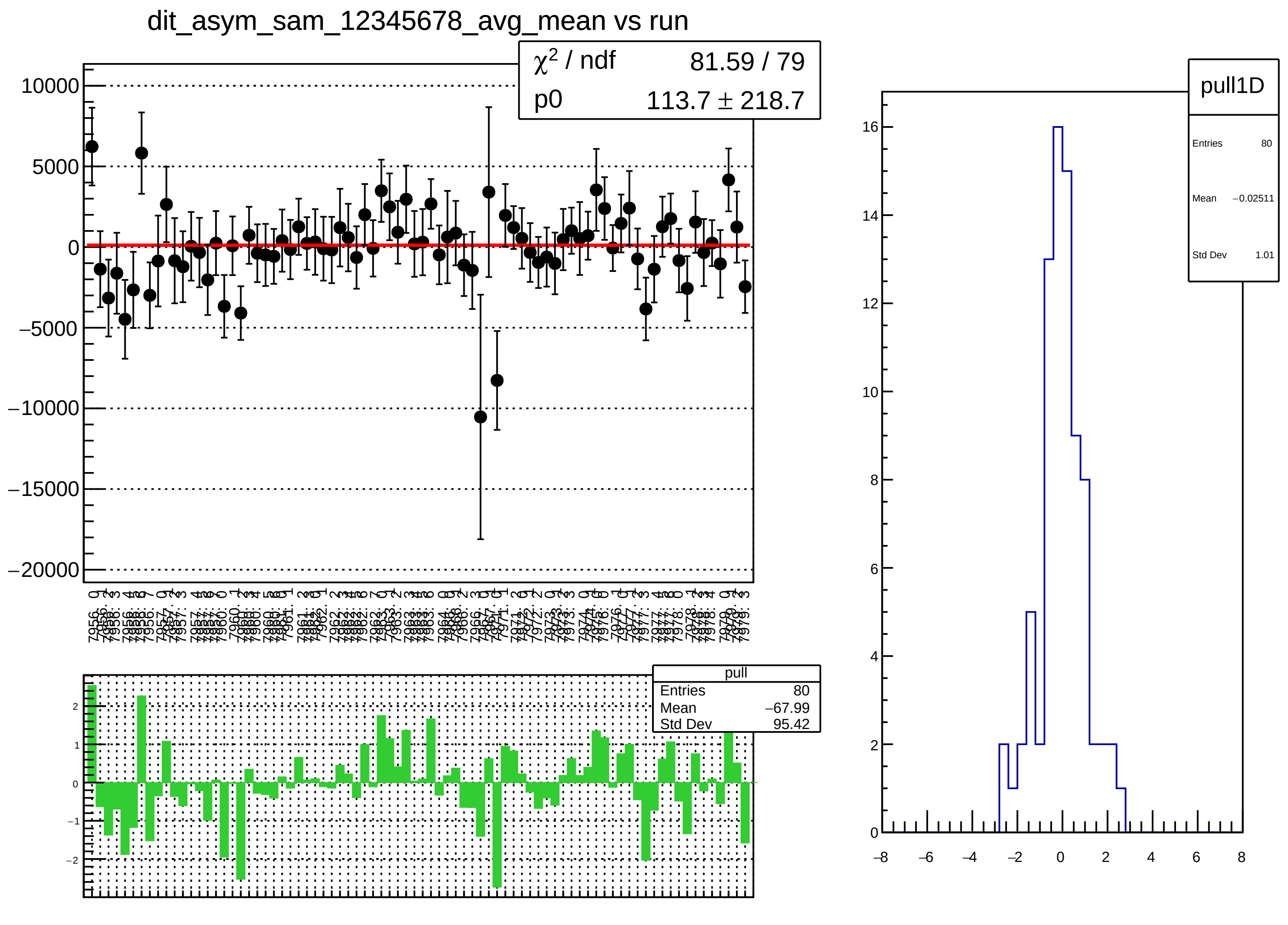


asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 2428 / 79
p0 668.6 ± 0.5303

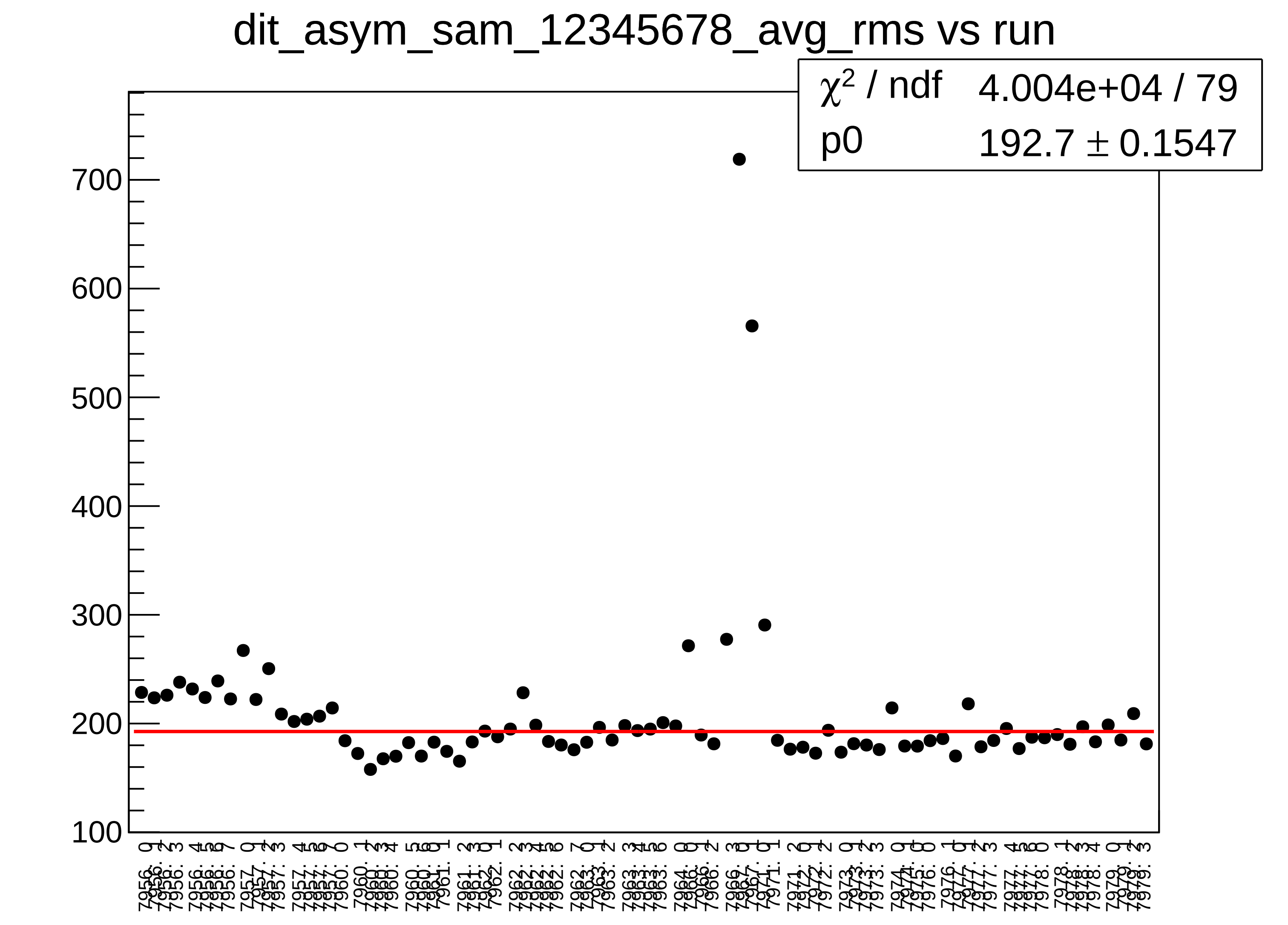


asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 102.3 / 79
p0 501.5 ± 738.2
pull
Entries 80
Mean 813.2
Std Dev 772
pull1D
Entries 80
Mean 0.005545
Std Dev 1.131

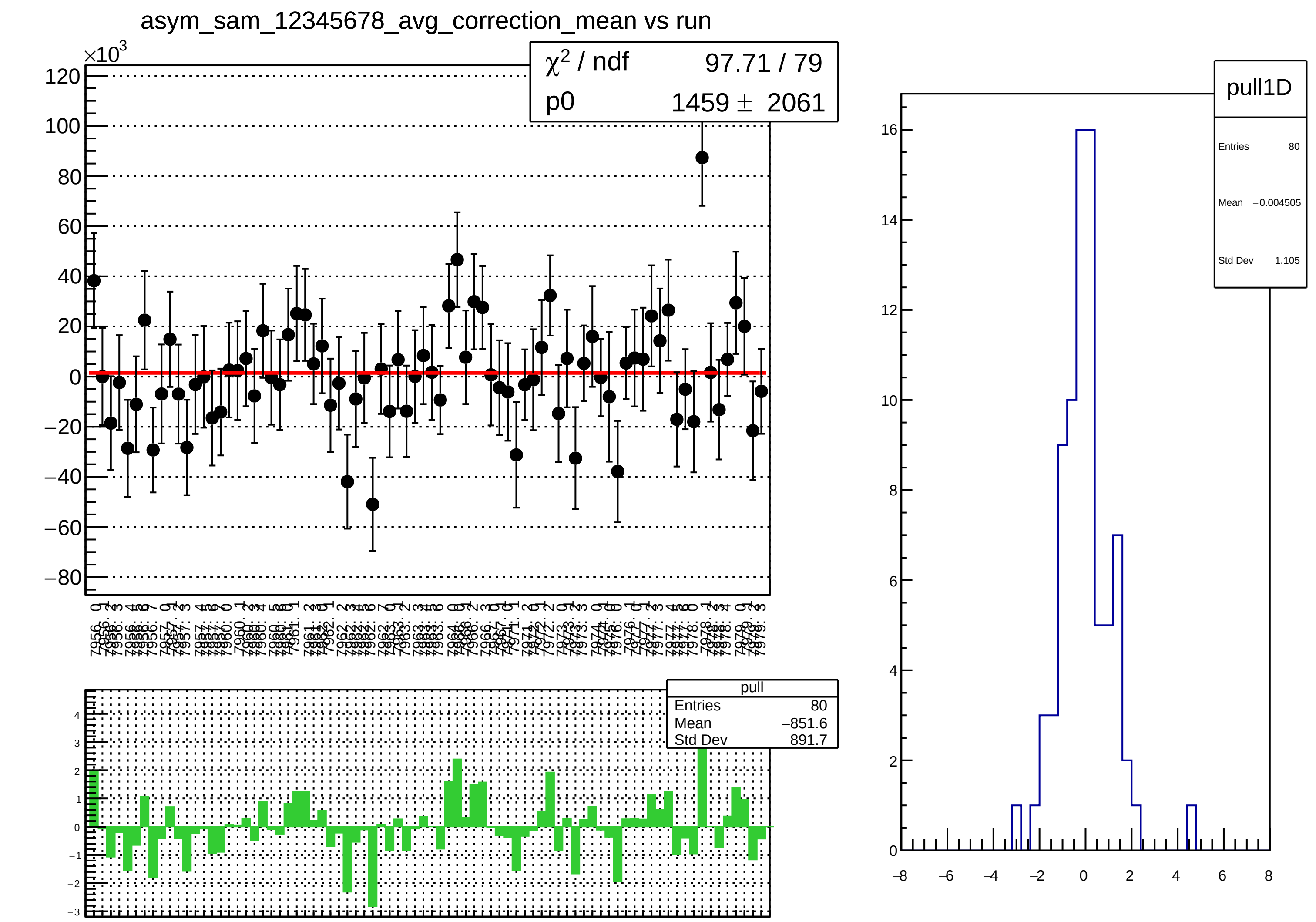

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 6176 / 79
p0 657.3 ± 0.522
850
800
750
700
650
600
550

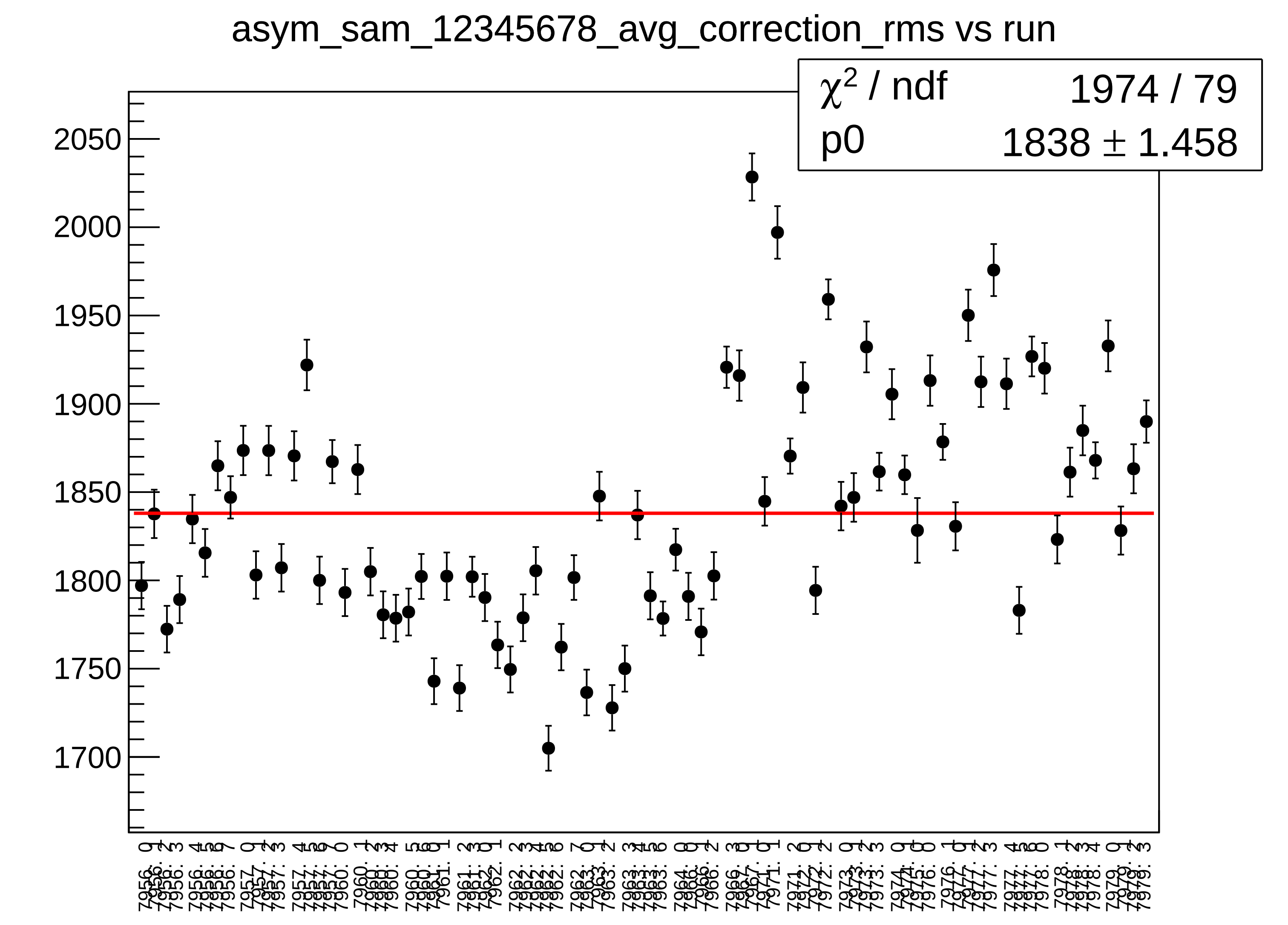


dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 81.59 / 79
p0 113.7 ± 218.7
pull
Entries 80
Mean −67.99
Std Dev 95.42
pull1D
Entries 80
Mean −0.02511
Std Dev 1.01

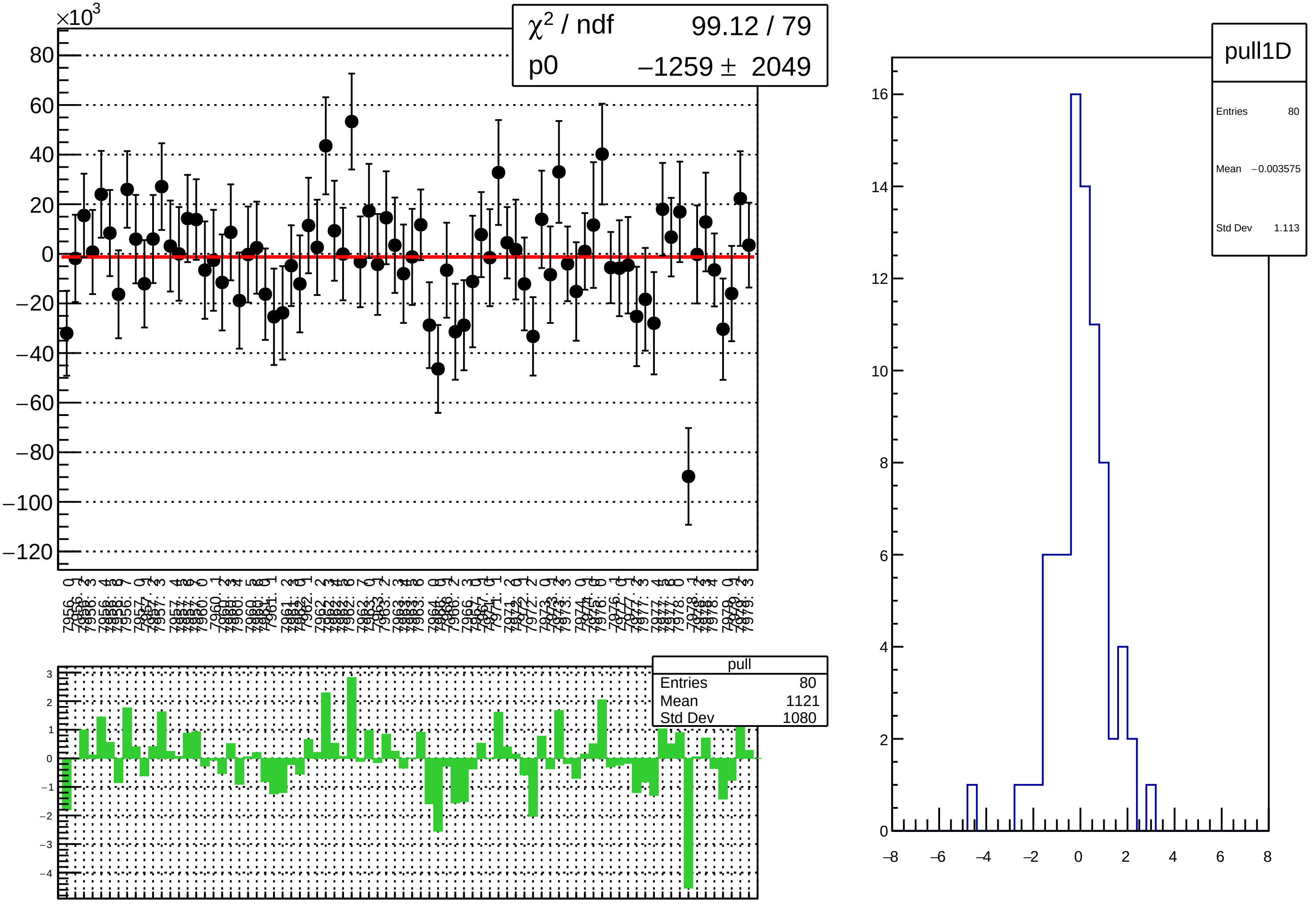


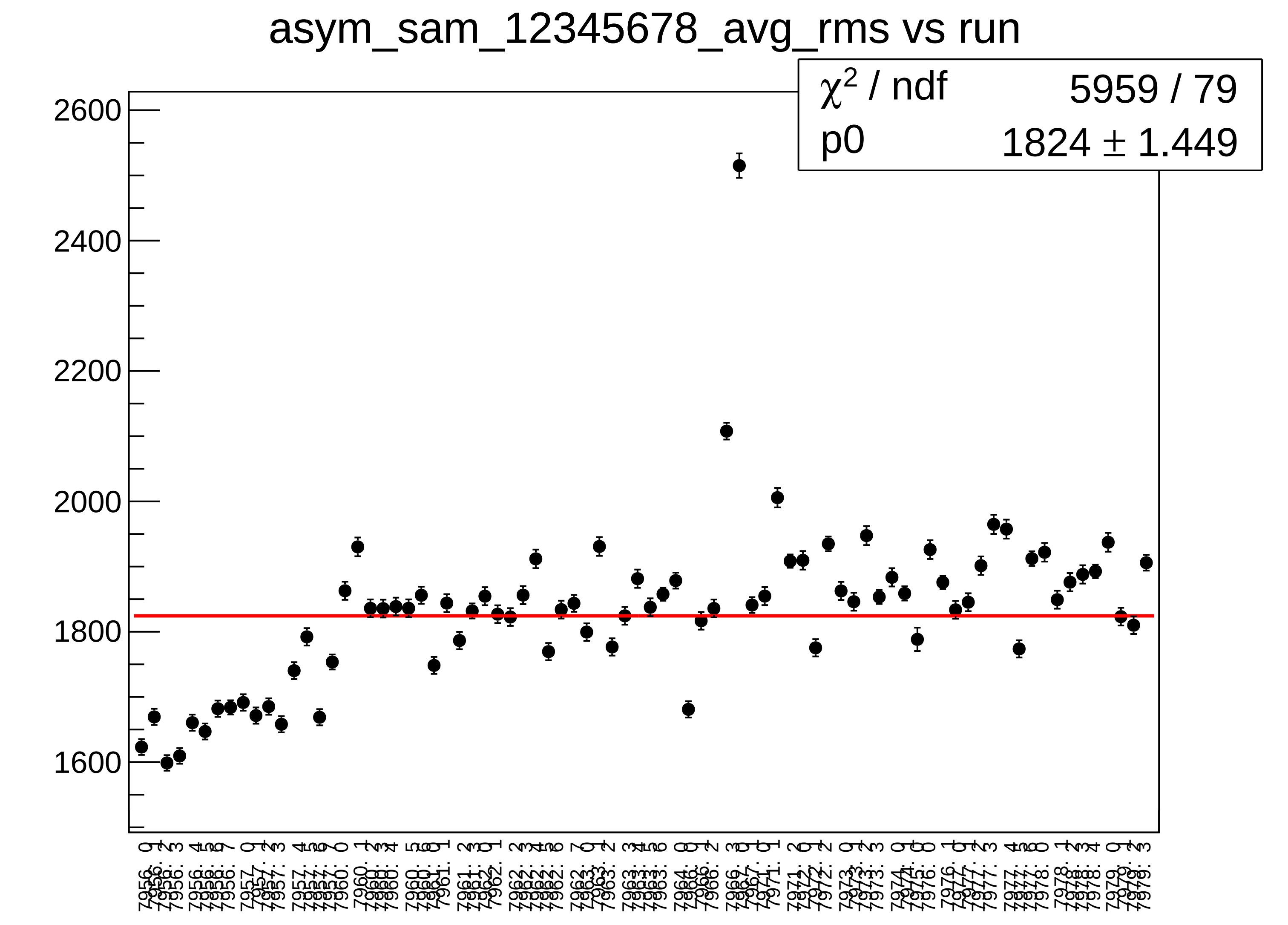
dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 4.004e+04 / 79
p0 192.7 ± 0.1547
700
600
500
400
300
200
100


asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 97.71 / 79
p0 1459 ± 2061
pull
Entries 80
Mean −851.6
Std Dev 891.7
pull1D
Entries 80
Mean −0.004505
Std Dev 1.105

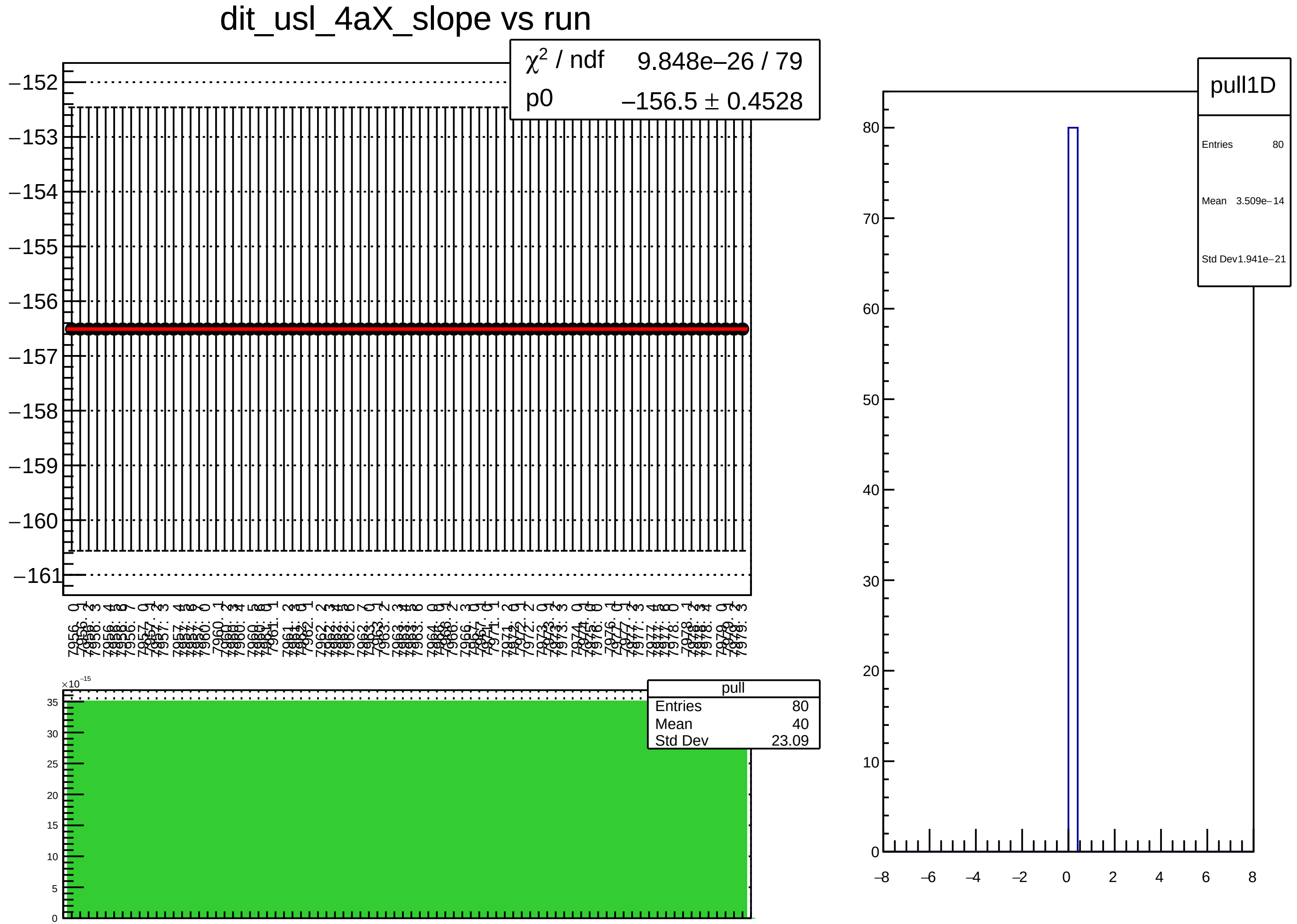

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 1974 / 79
p0 1838 ± 1.458
2050
2000
1950
1900
1850
1800
1750
1700

asym_sam_12345678_avg_mean vs run

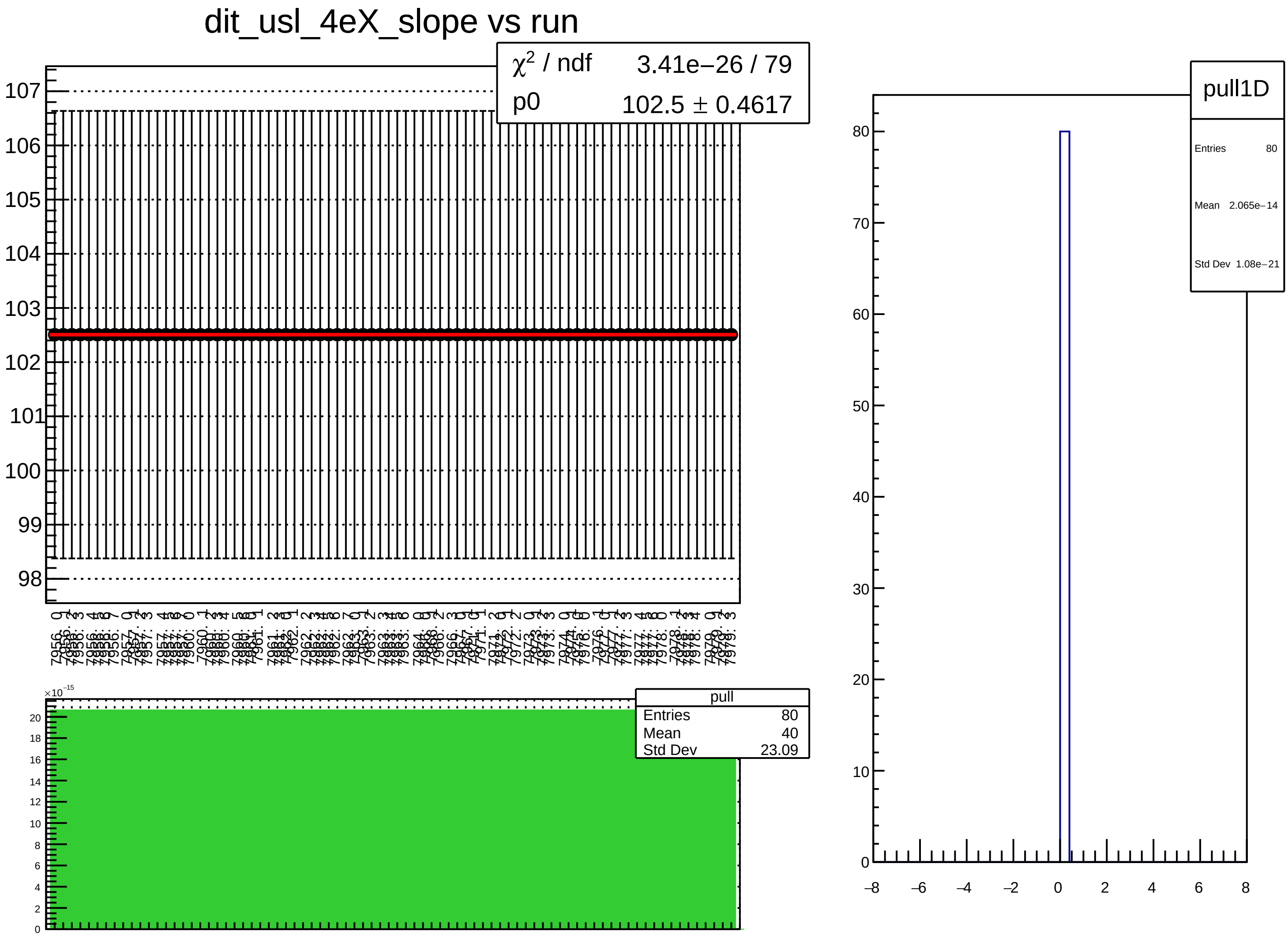




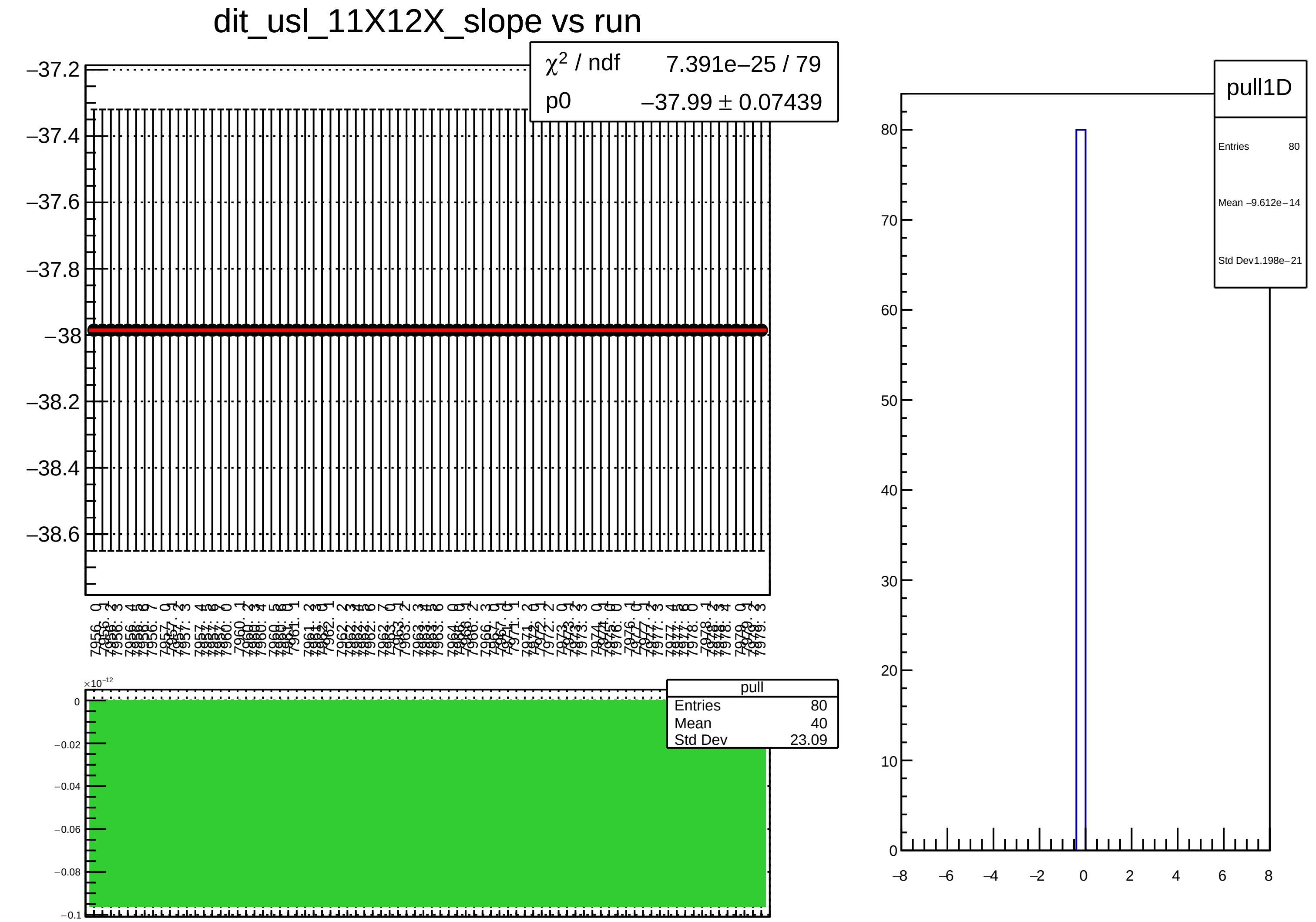
asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5959 / 79
p0 1824 ± 1.449
2600
2400
2200
2000
1800
1600



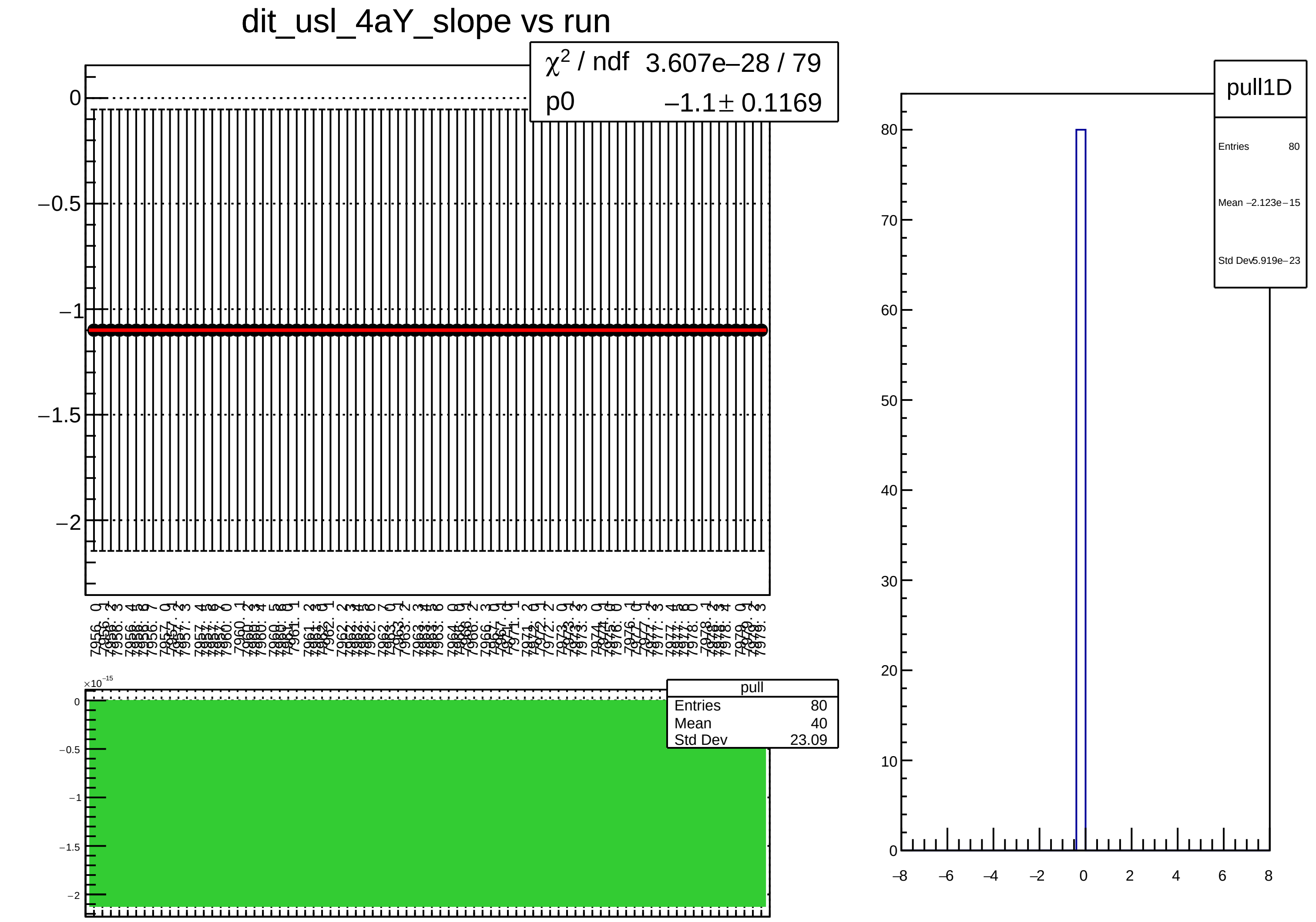
dit_usl_4aX_slope vs run
χ^2 / ndf 9.848e−26 / 79
p0 −156.5 ± 0.4528
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.509e−14
Std Dev 1.941e−21

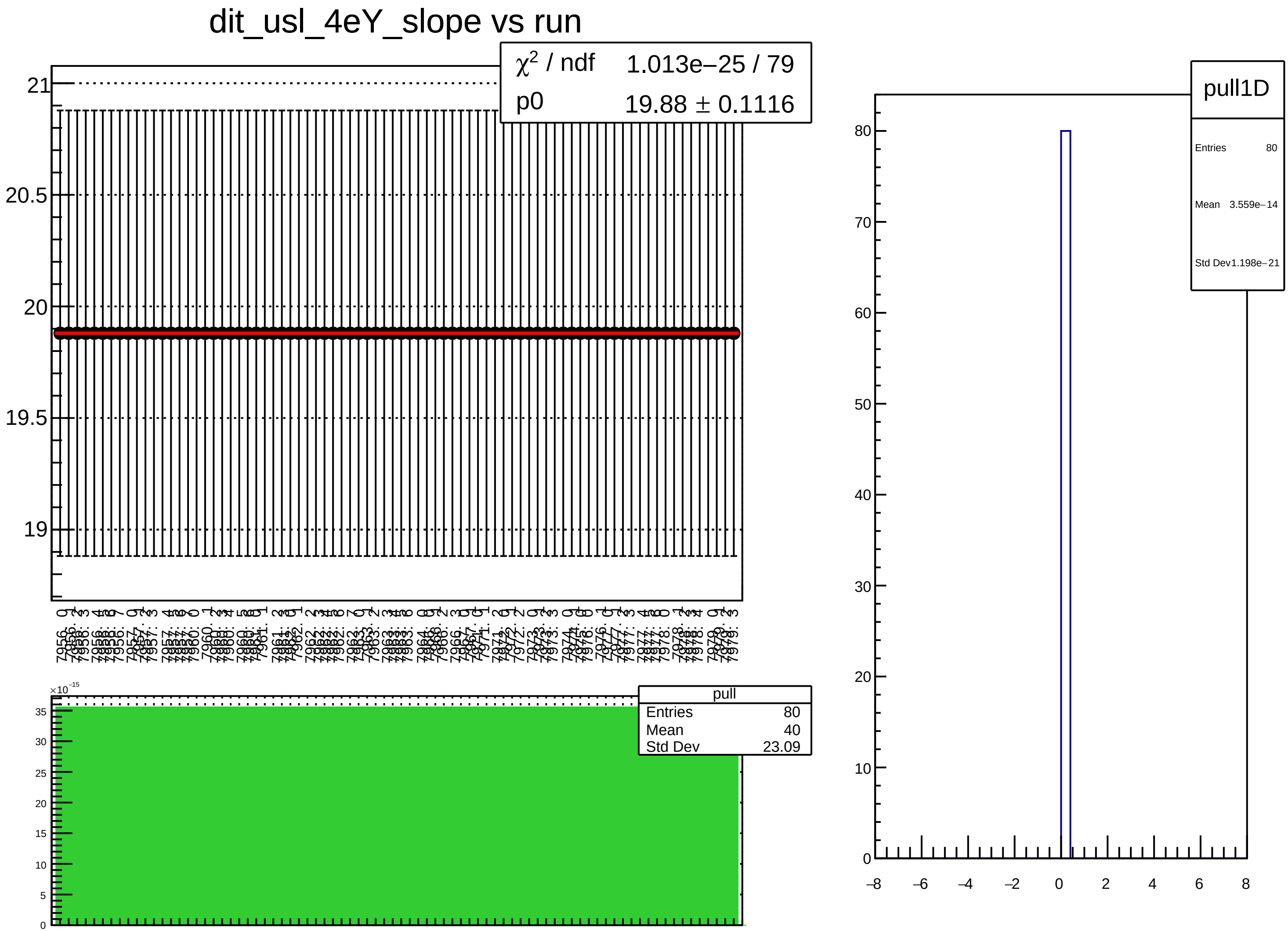


dit_usl_4eX_slope vs run
χ2 / ndf 3.41e−26 / 79
p0 102.5 ± 0.4617
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.065e−14
Std Dev 1.08e−21

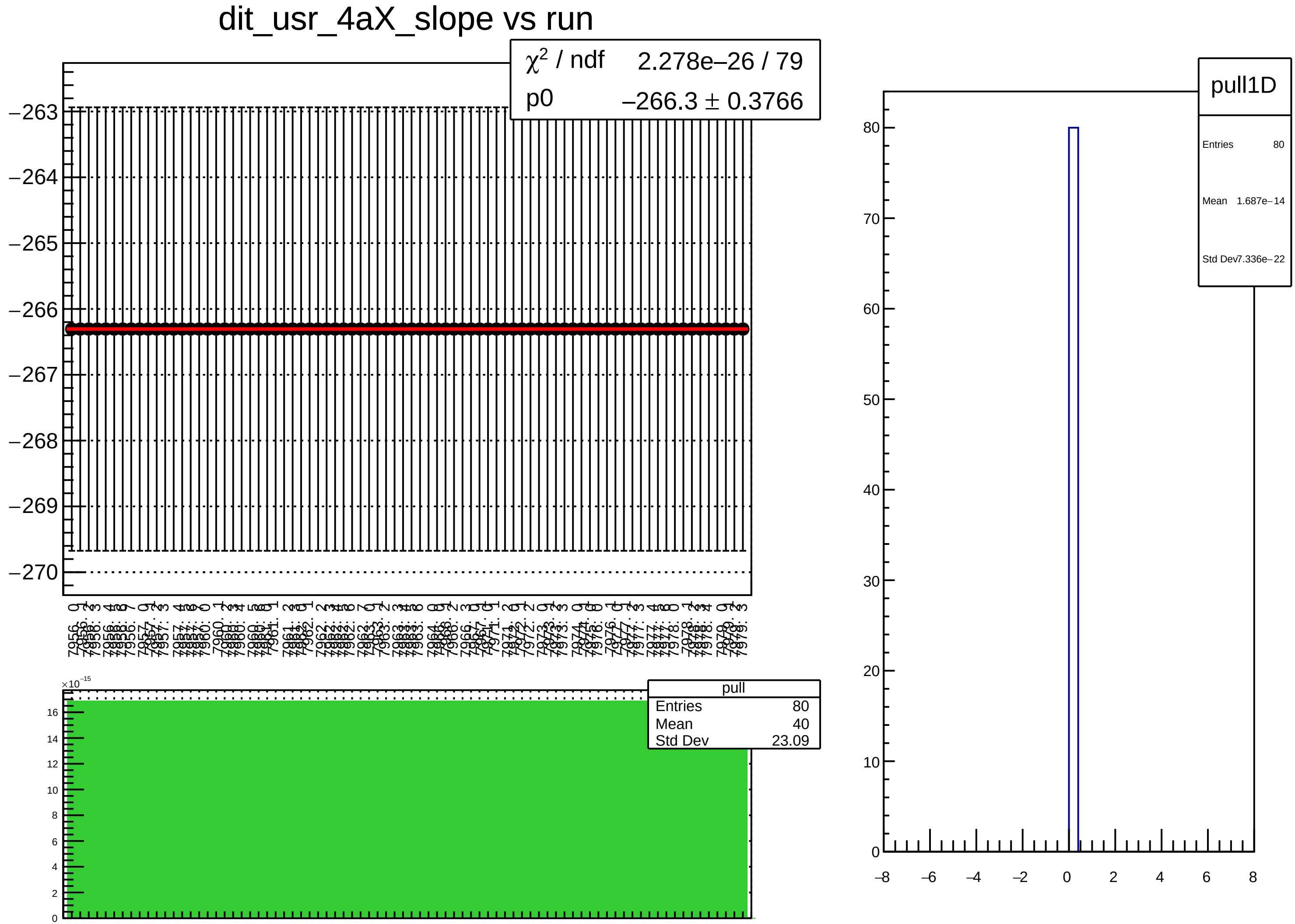


dit_usl_11X12X_slope vs run
χ^2 / ndf 7.391e−25 / 79
p0 −37.99 ± 0.07439
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −9.612e−14
Std Dev 1.198e−21

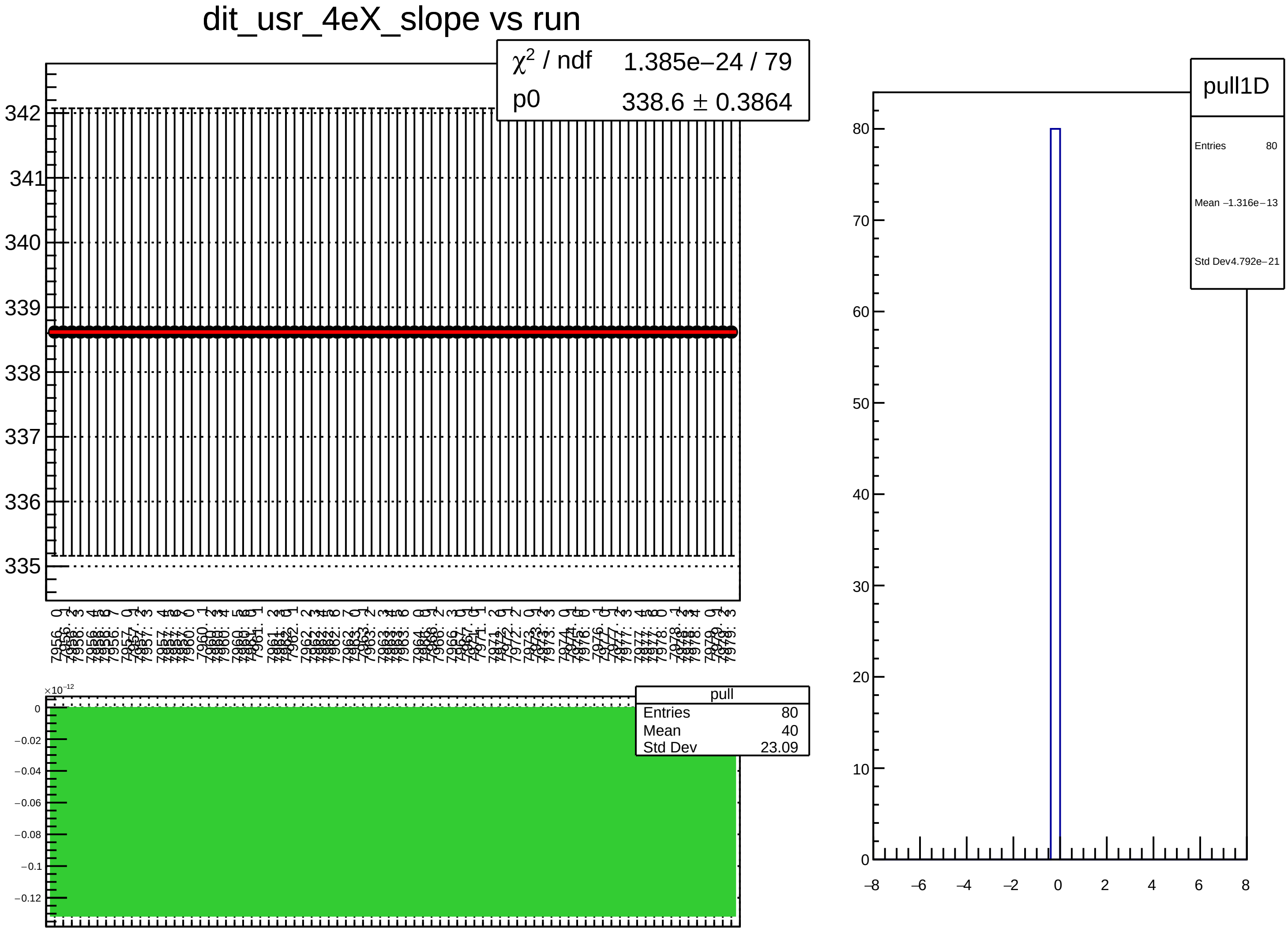

dit_usl_4aY_slope vs run
χ2 / ndf 3.607e−28 / 79
p0 −1.1 ± 0.1169
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.123e−15
Std Dev 5.919e−23



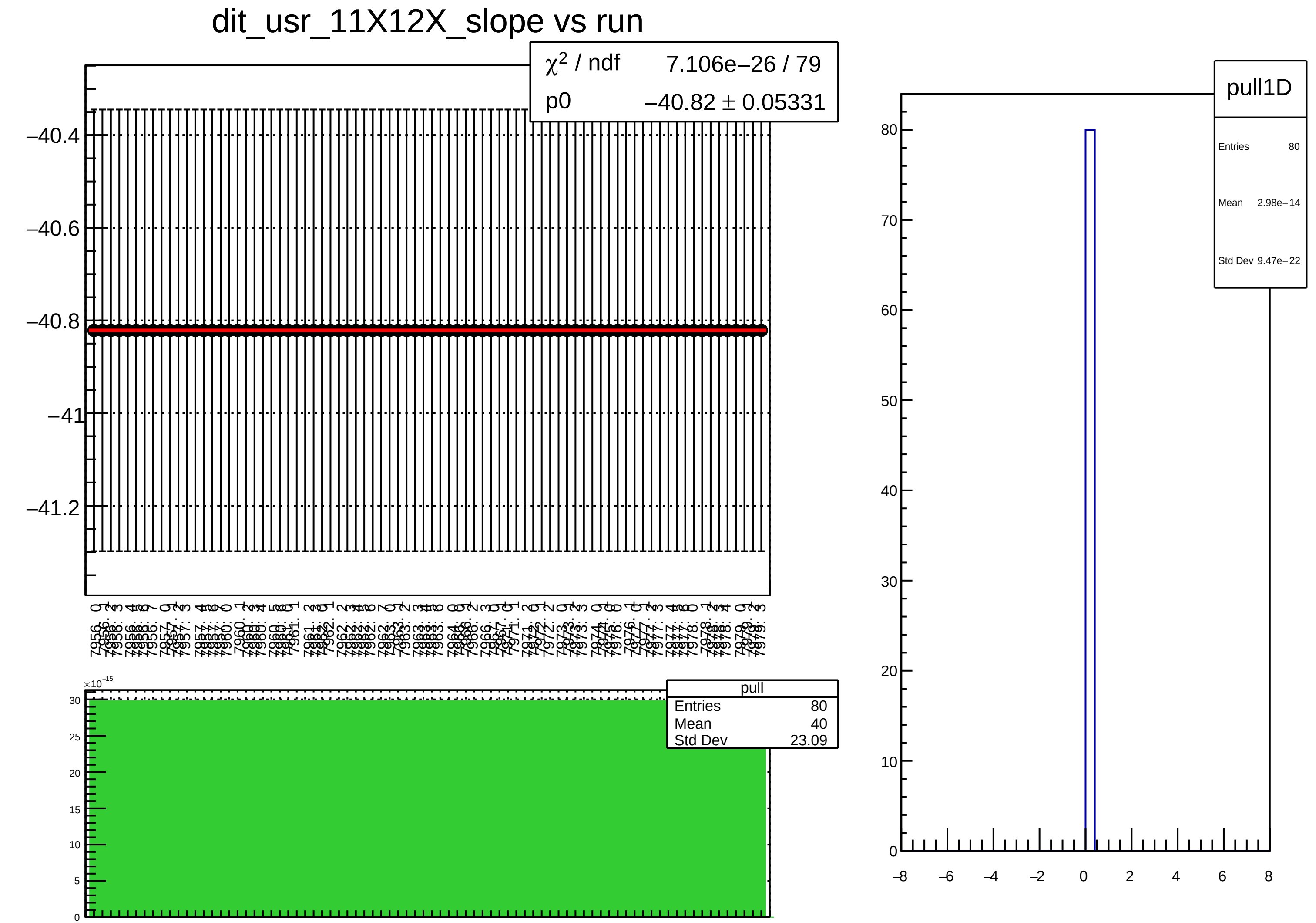
dit_usl_4eY_slope vs run
χ2 / ndf 1.013e−25 / 79
p0 19.88 ± 0.1116
21
20.5
20
19.5
19
×10−15
35
30
25
20
15
10
5
0
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.559e−14
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



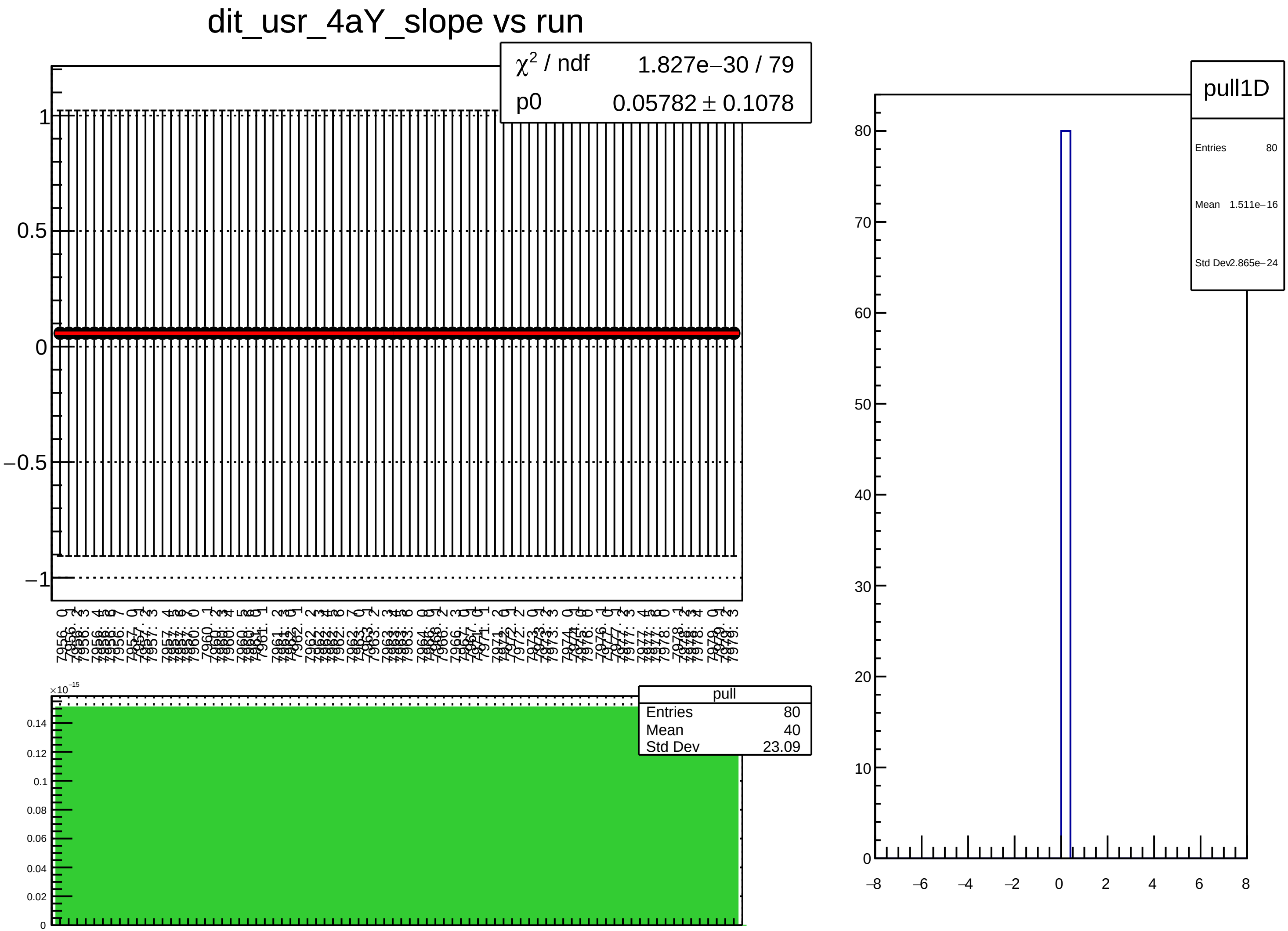
dit_usr_4aX_slope vs run
χ^2 / ndf 2.278e−26 / 79
p0 −266.3 ± 0.3766
−263
−264
−265
−266
−267
−268
−269
−270
×10⁻¹⁵
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.687e−14
Std Dev 7.336e−22

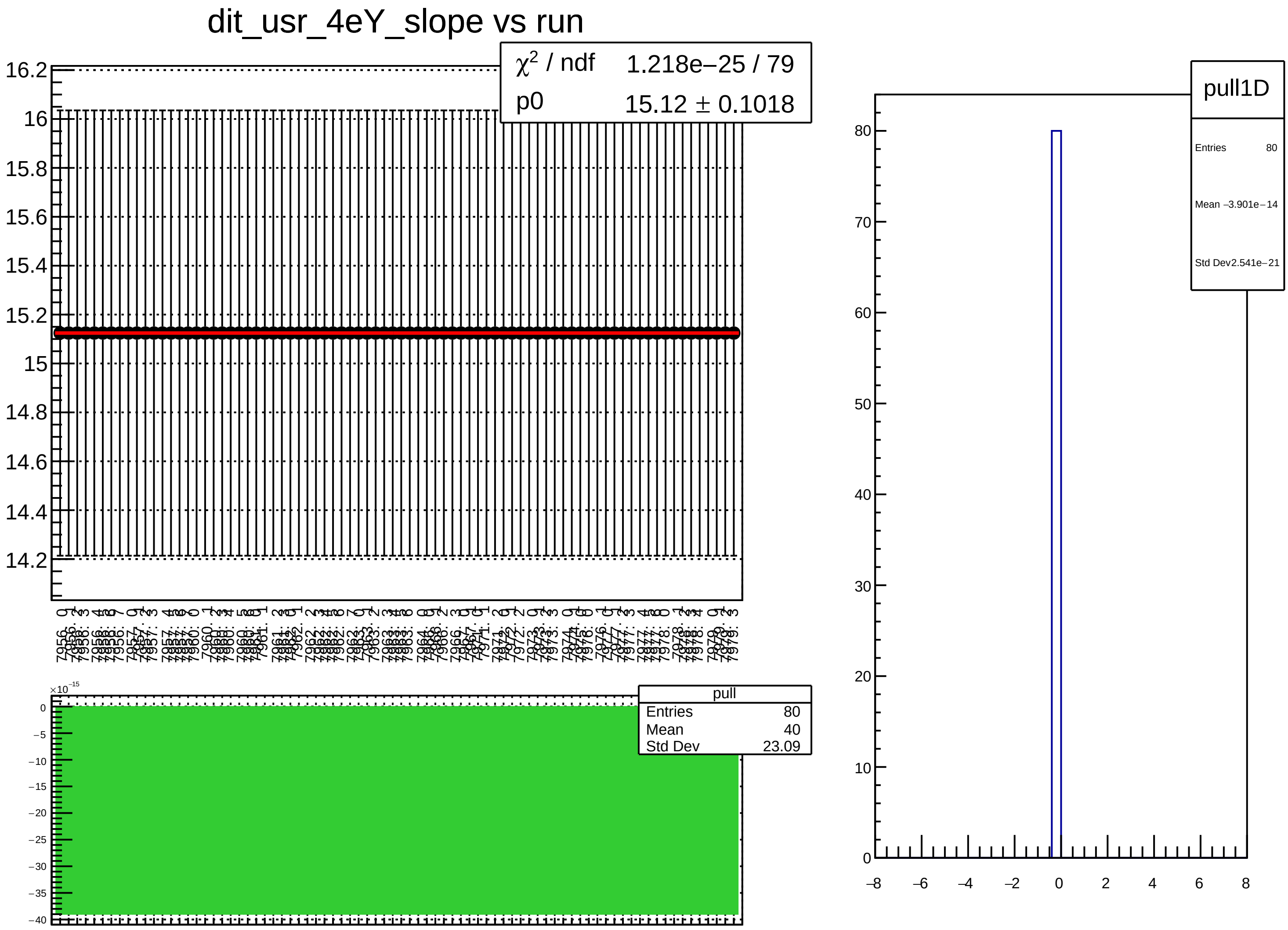


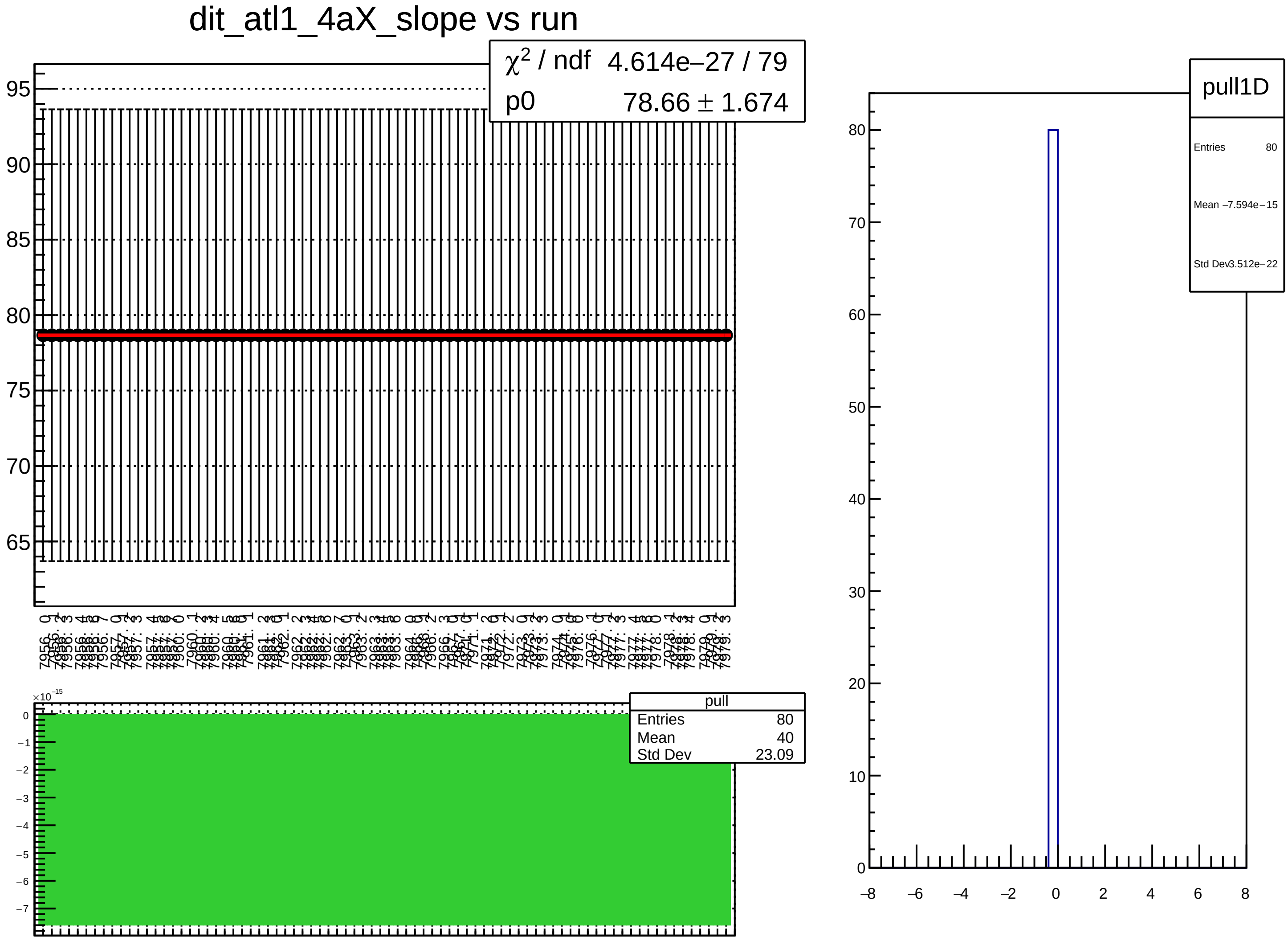
dit_usr_4eX_slope vs run
χ^2 / ndf 1.385e−24 / 79
p0 338.6 ± 0.3864
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.316e−13
Std Dev 4.792e−21



dit_usr_11X12X_slope vs run
χ2 / ndf 7.106e−26 / 79
p0 −40.82 ± 0.05331
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.98e−14
Std Dev 9.47e−22

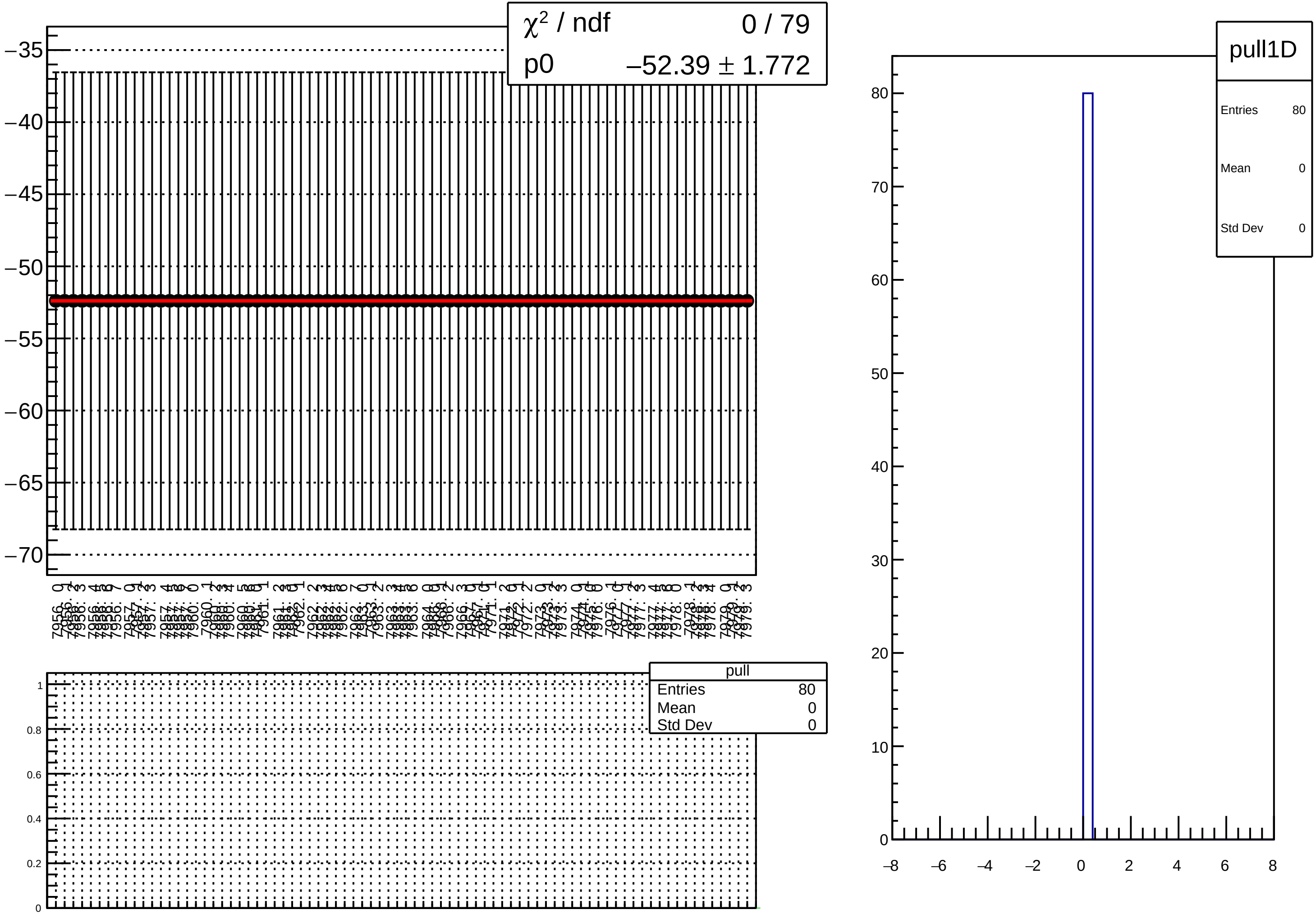

dit_usr_4aY_slope vs run
χ^2 / ndf 1.827e−30 / 79
p0 0.05782 ± 0.1078
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.511e−16
Std Dev 2.865e−24

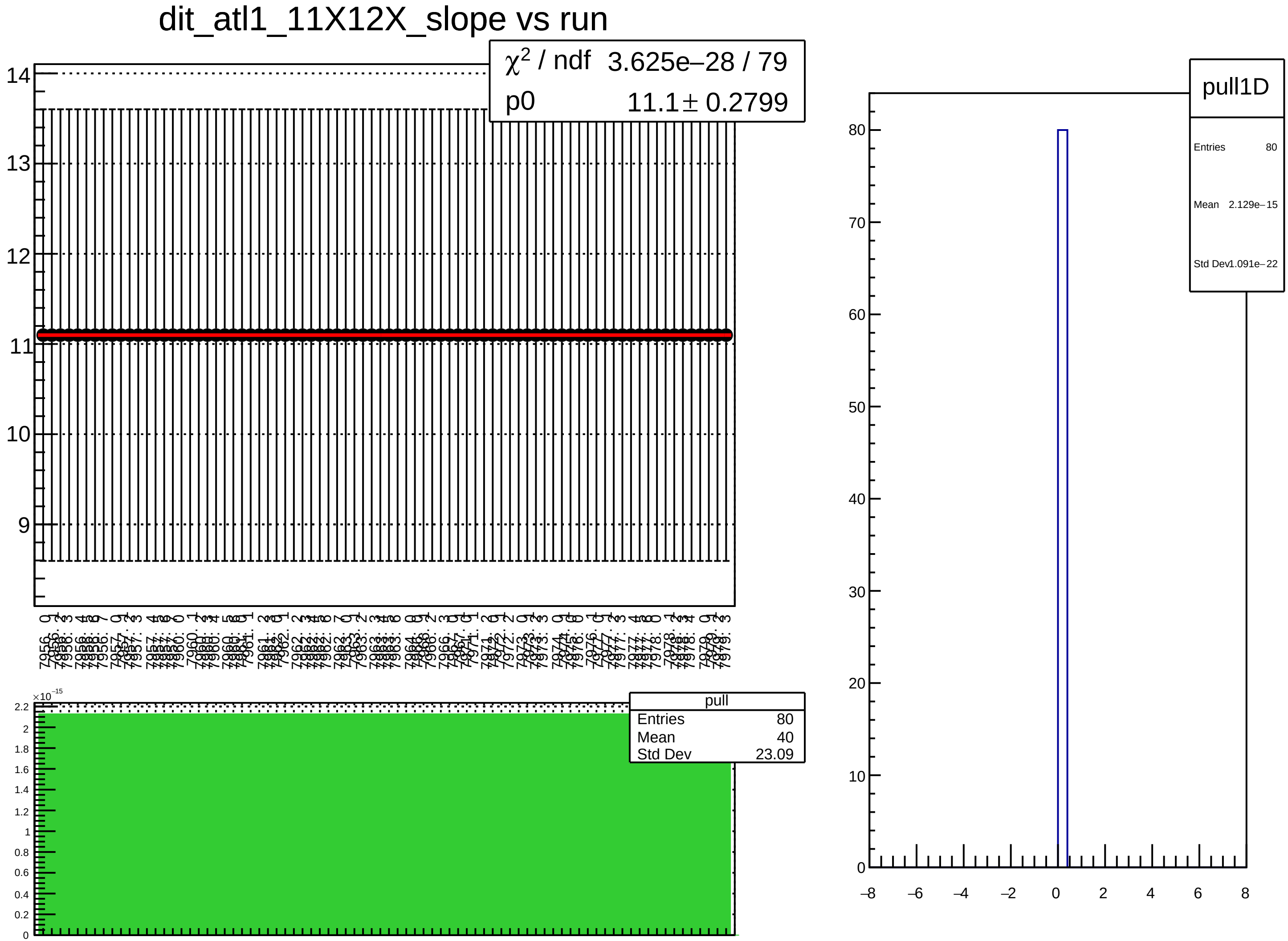

dit_usr_4eY_slope vs run
χ2 / ndf 1.218e−25 / 79
p0 15.12 ± 0.1018
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
×10−15
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.901e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

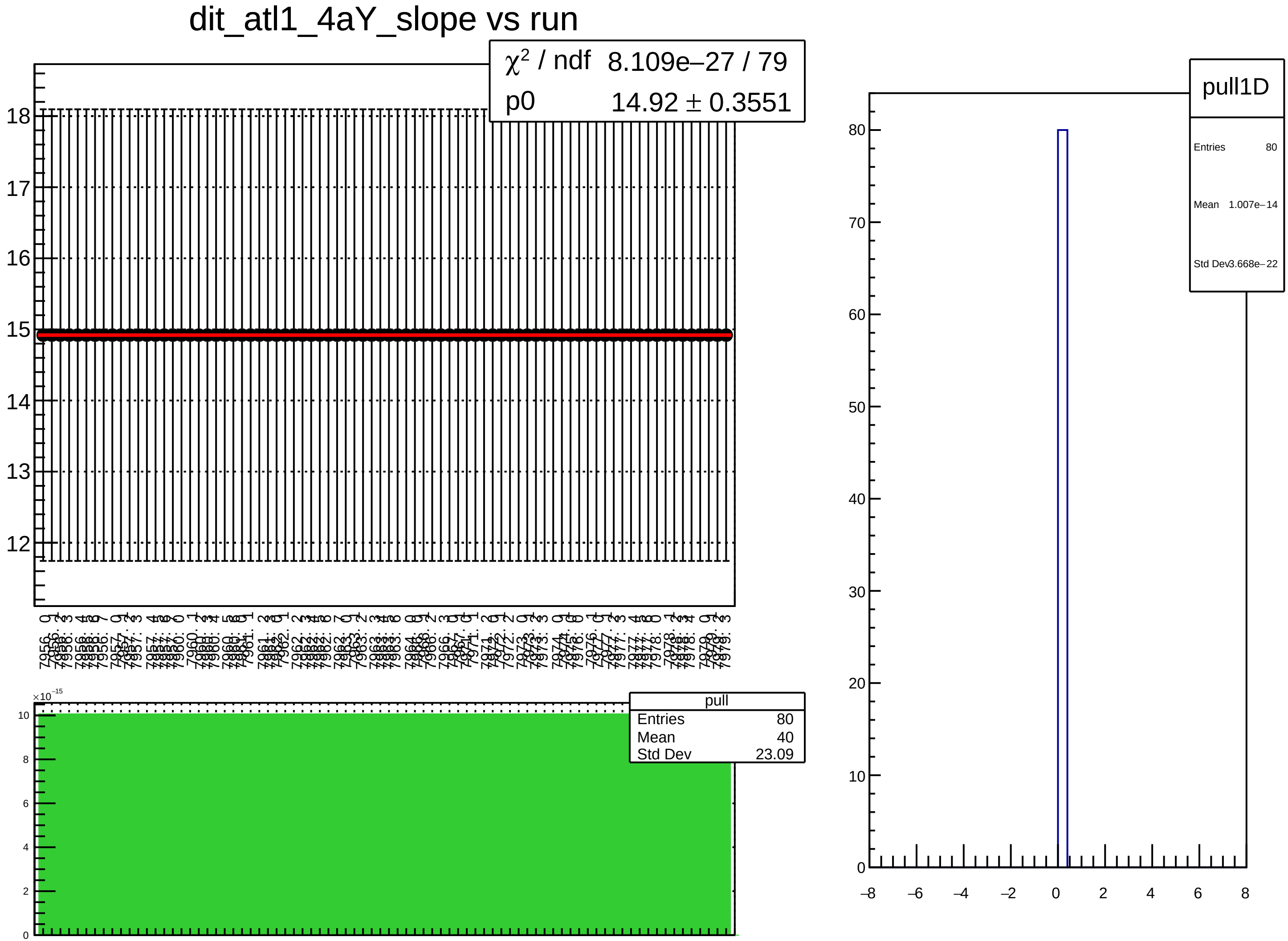


dit_atl1_4aX_slope vs run
χ^2 / ndf 4.614e−27 / 79
p0 78.66 ± 1.674
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.594e−15
Std Dev 3.512e−22

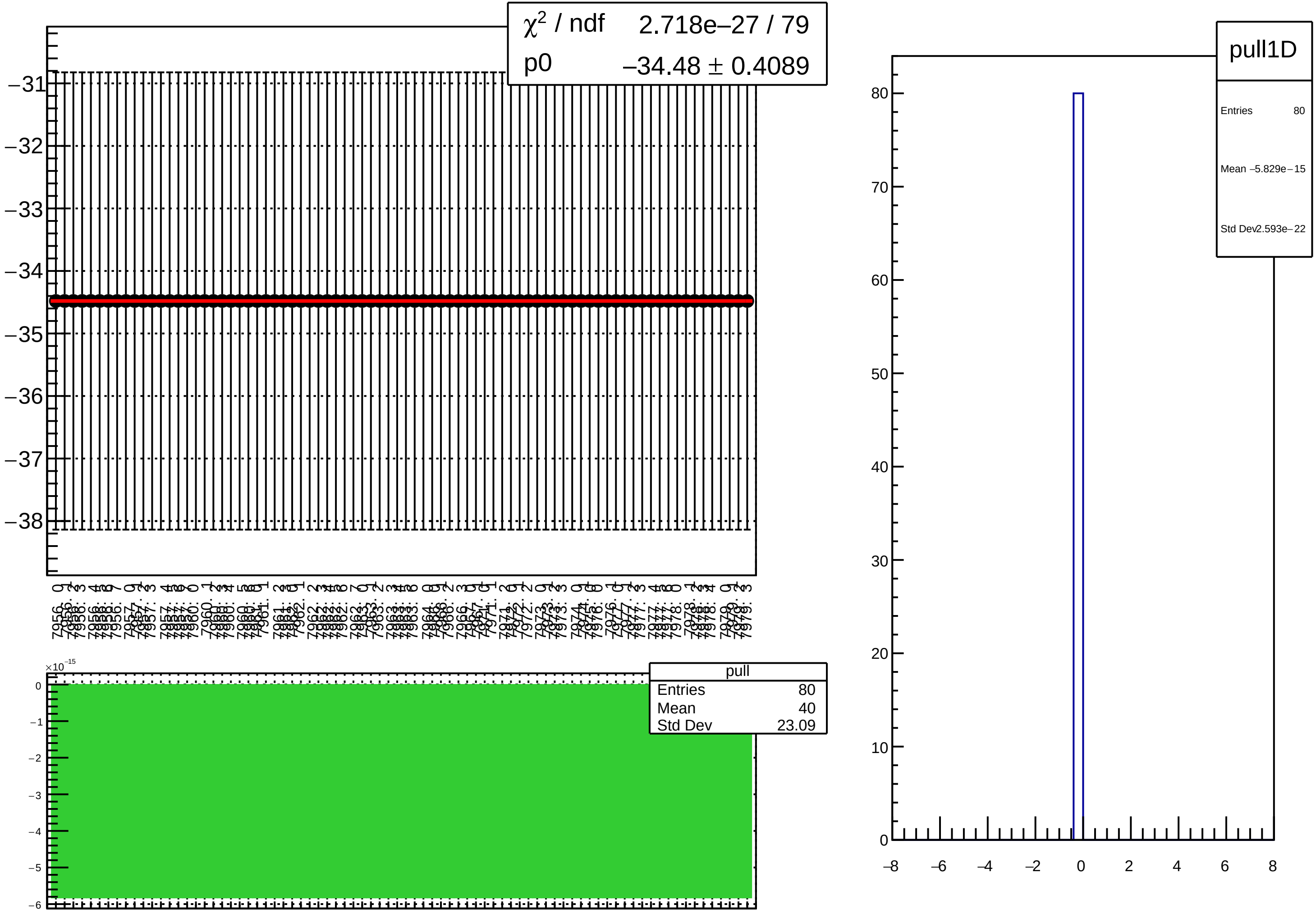
dit_atl1_4eX_slope vs run

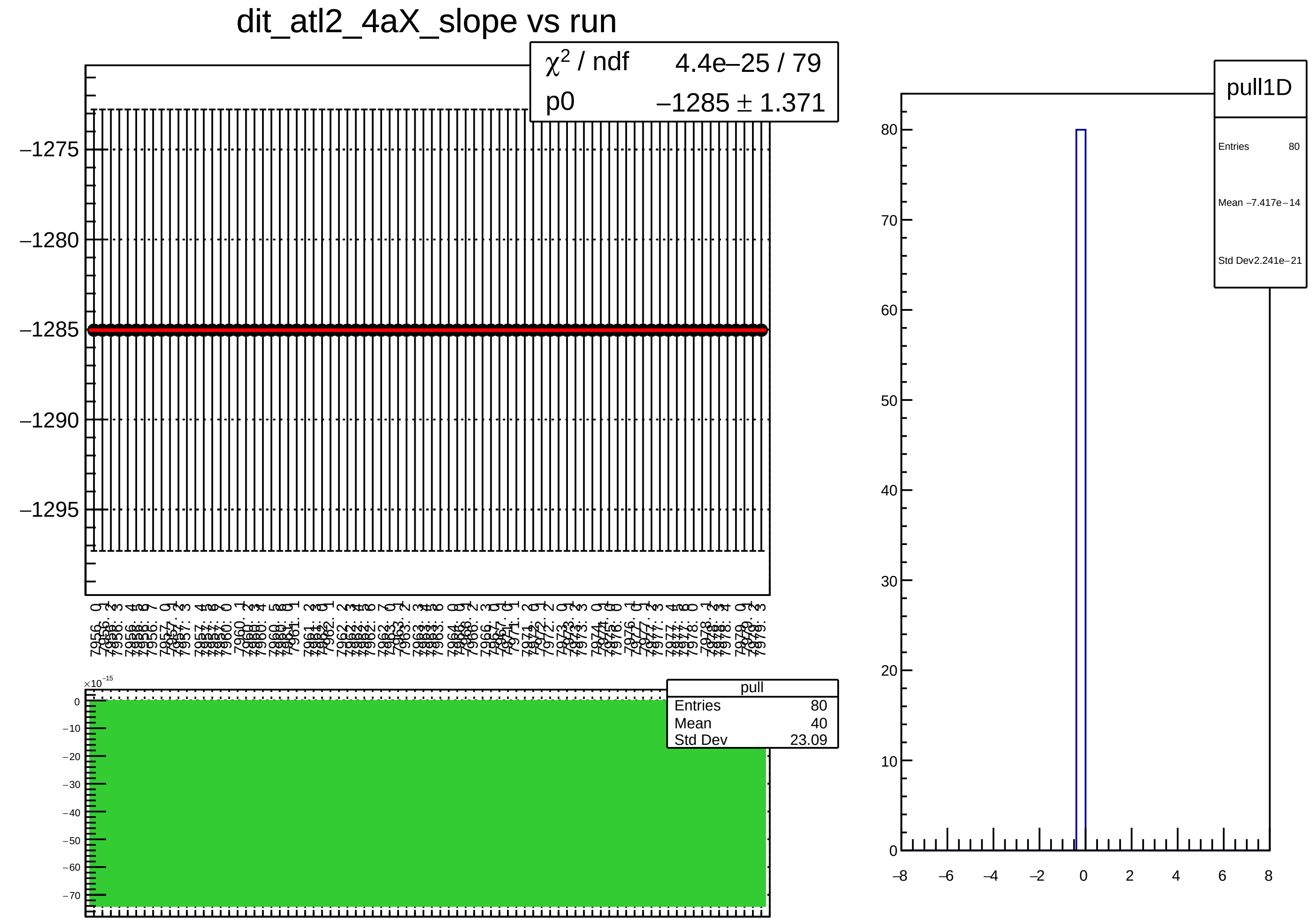



dit_atl1_11X12X_slope vs run
χ2 / ndf 3.625e−28 / 79
p0 11.1 ± 0.2799
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.129e−15
Std Dev 1.091e−22

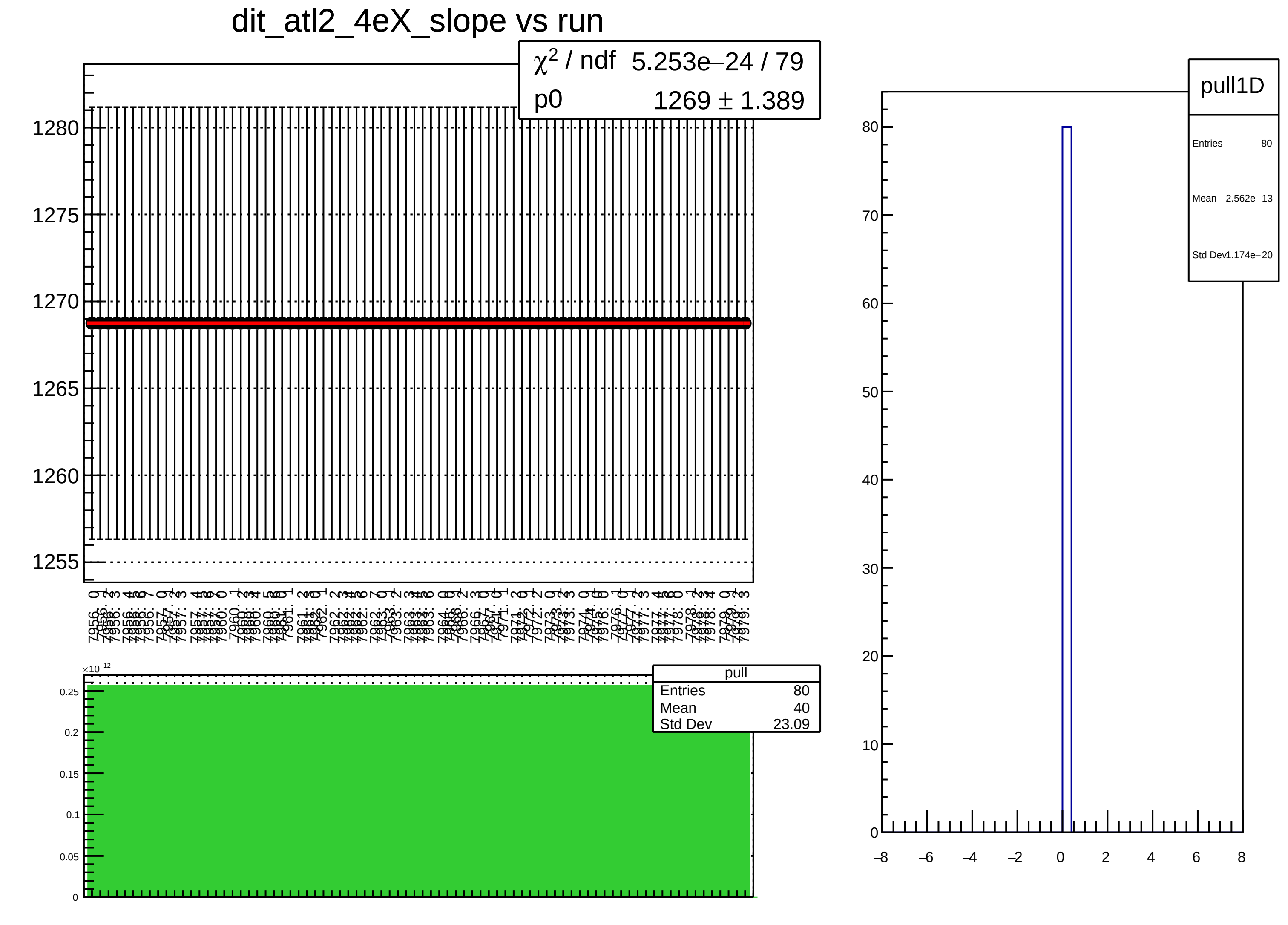

dit_atl1_4aY_slope vs run
χ2 / ndf 8.109e−27 / 79
p0 14.92 ± 0.3551
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.007e−14
Std Dev 3.668e−22

dit_atl1_4eY_slope vs run

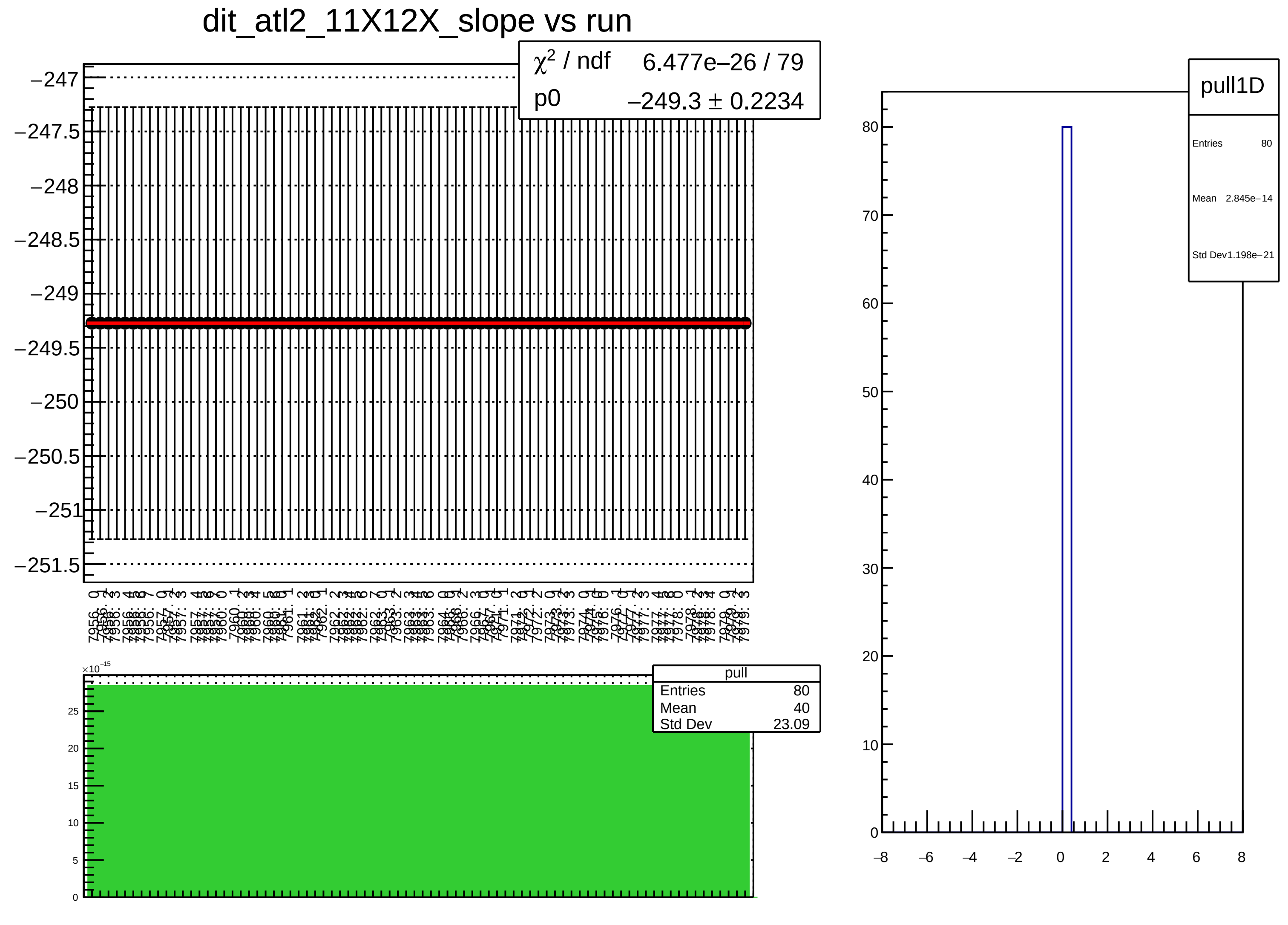


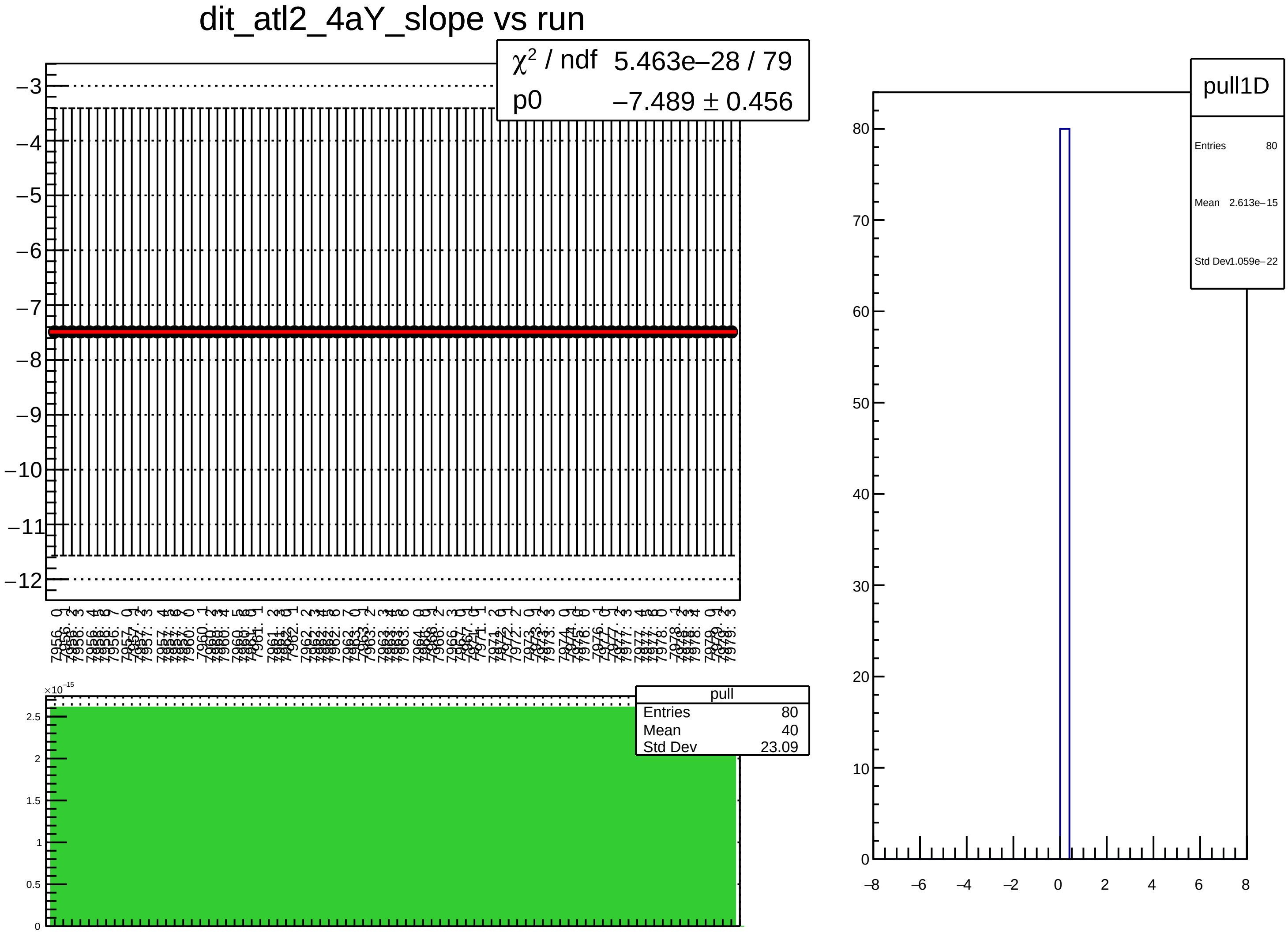


dit_atl2_4aX_slope vs run
χ^2 / ndf 4.4e−25 / 79
p0 −1285 ± 1.371
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.417e−14
Std Dev 2.241e−21

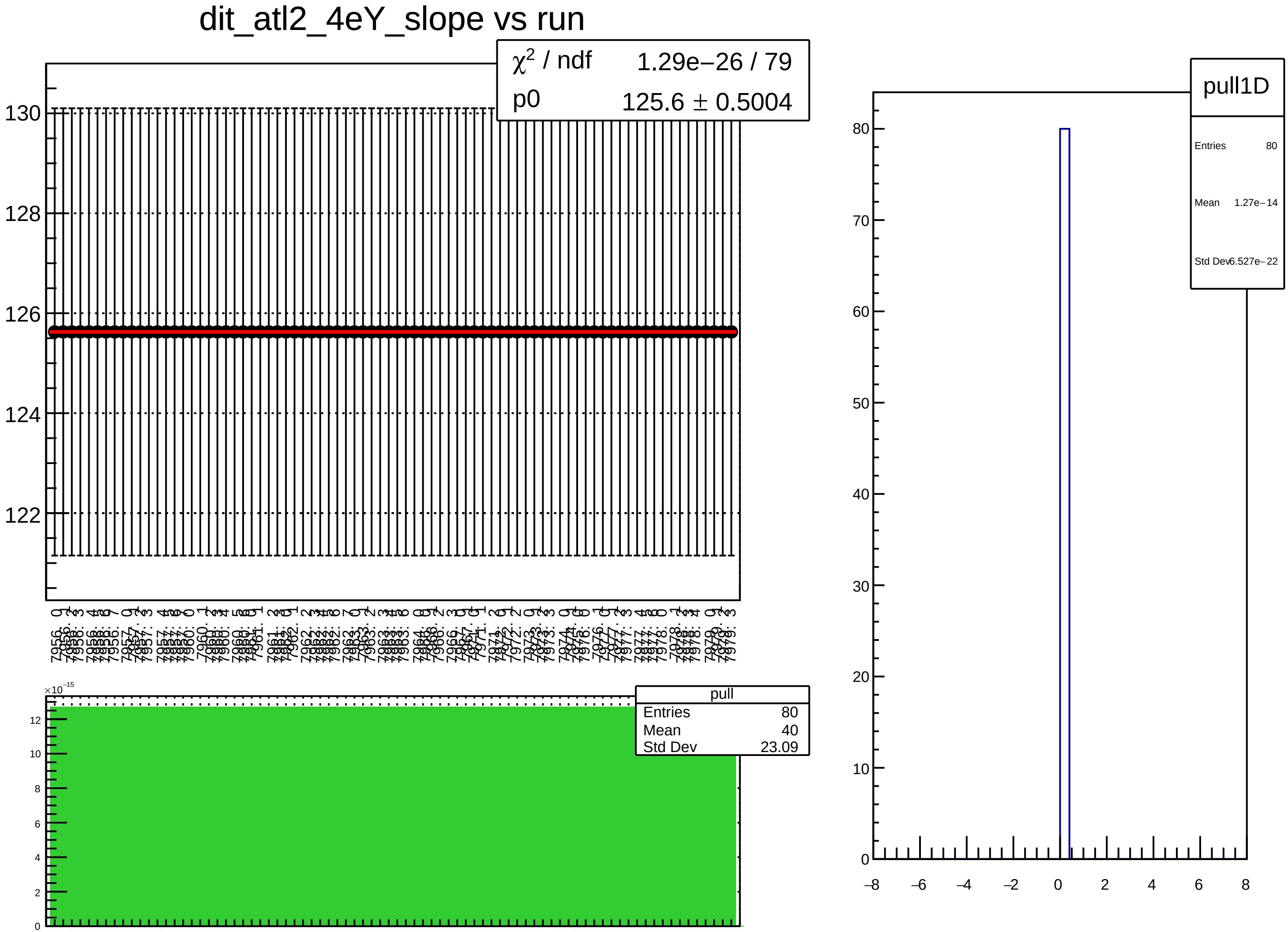


dit_atl2_4eX_slope vs run
χ^2 / ndf 5.253e−24 / 79
p0 1269 ± 1.389
1280
1275
1270
1265
1260
1255
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.562e−13
Std Dev1.174e−20

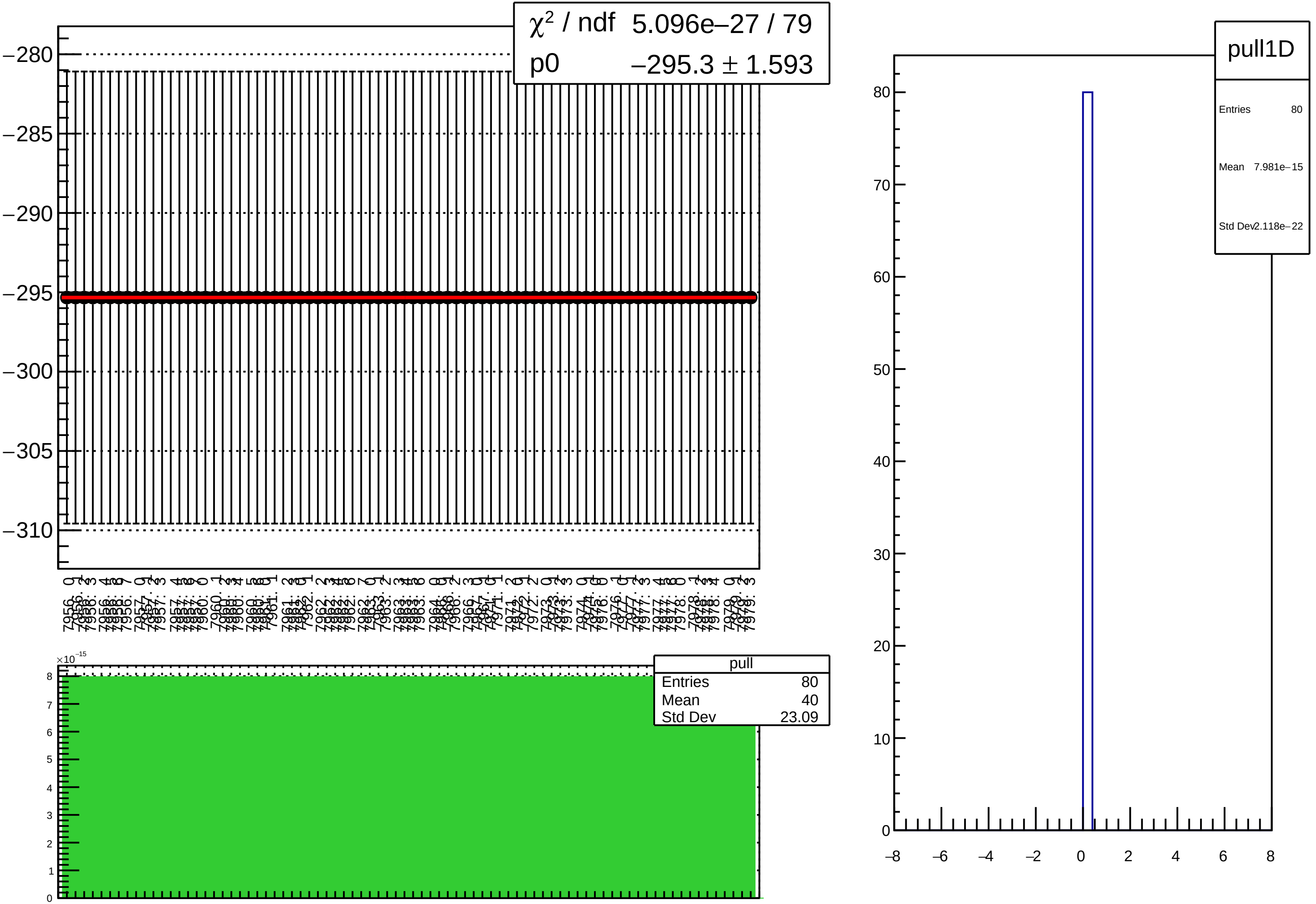

dit_atl2_11X12X_slope vs run
χ^2 / ndf 6.477e−26 / 79
p0 −249.3 ± 0.2234
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.845e−14
Std Dev 1.198e−21

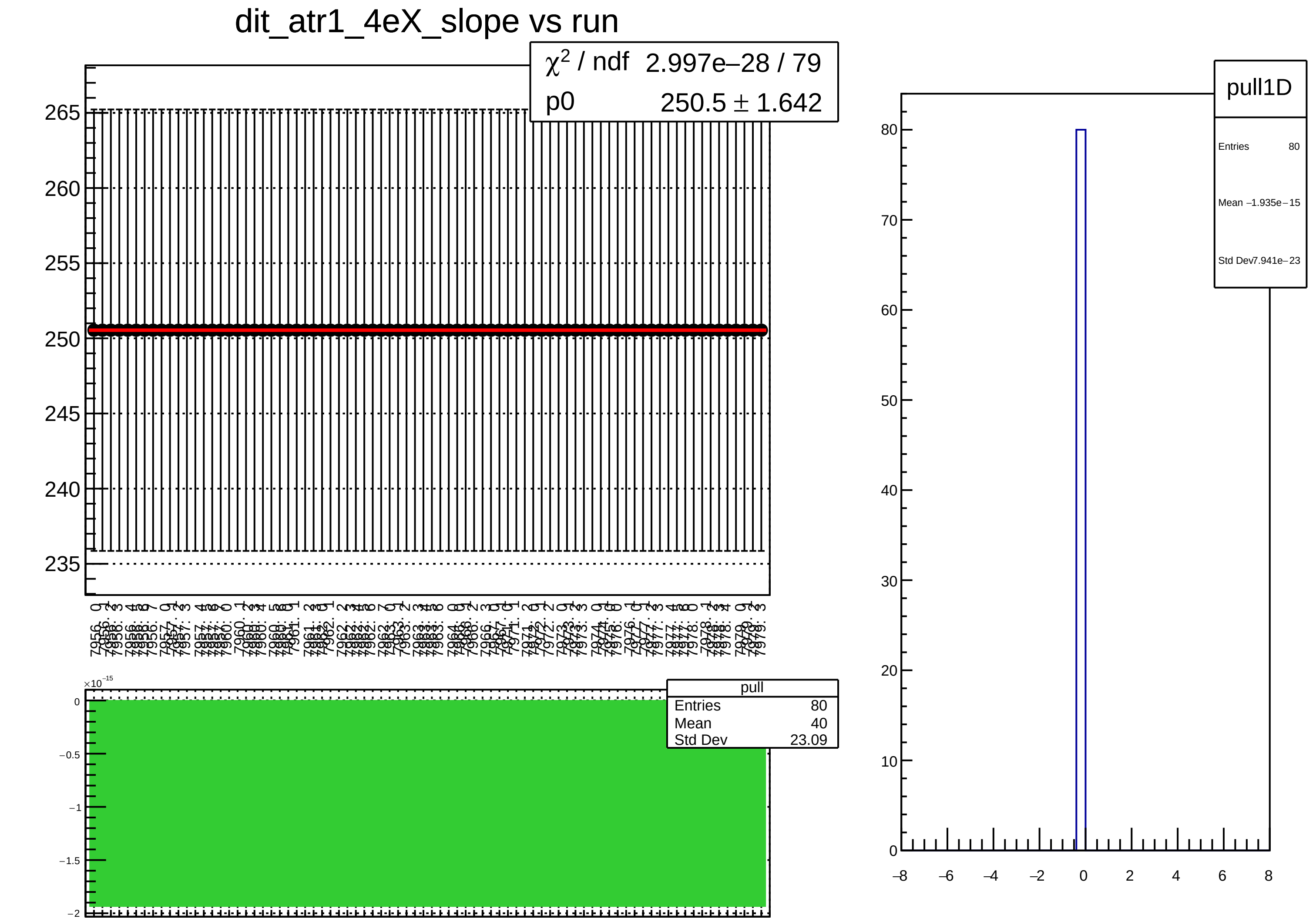


dit_atl2_4aY_slope vs run
χ^2 / ndf 5.463e−28 / 79
p0 −7.489 ± 0.456
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.613e−15
Std Dev 1.059e−22

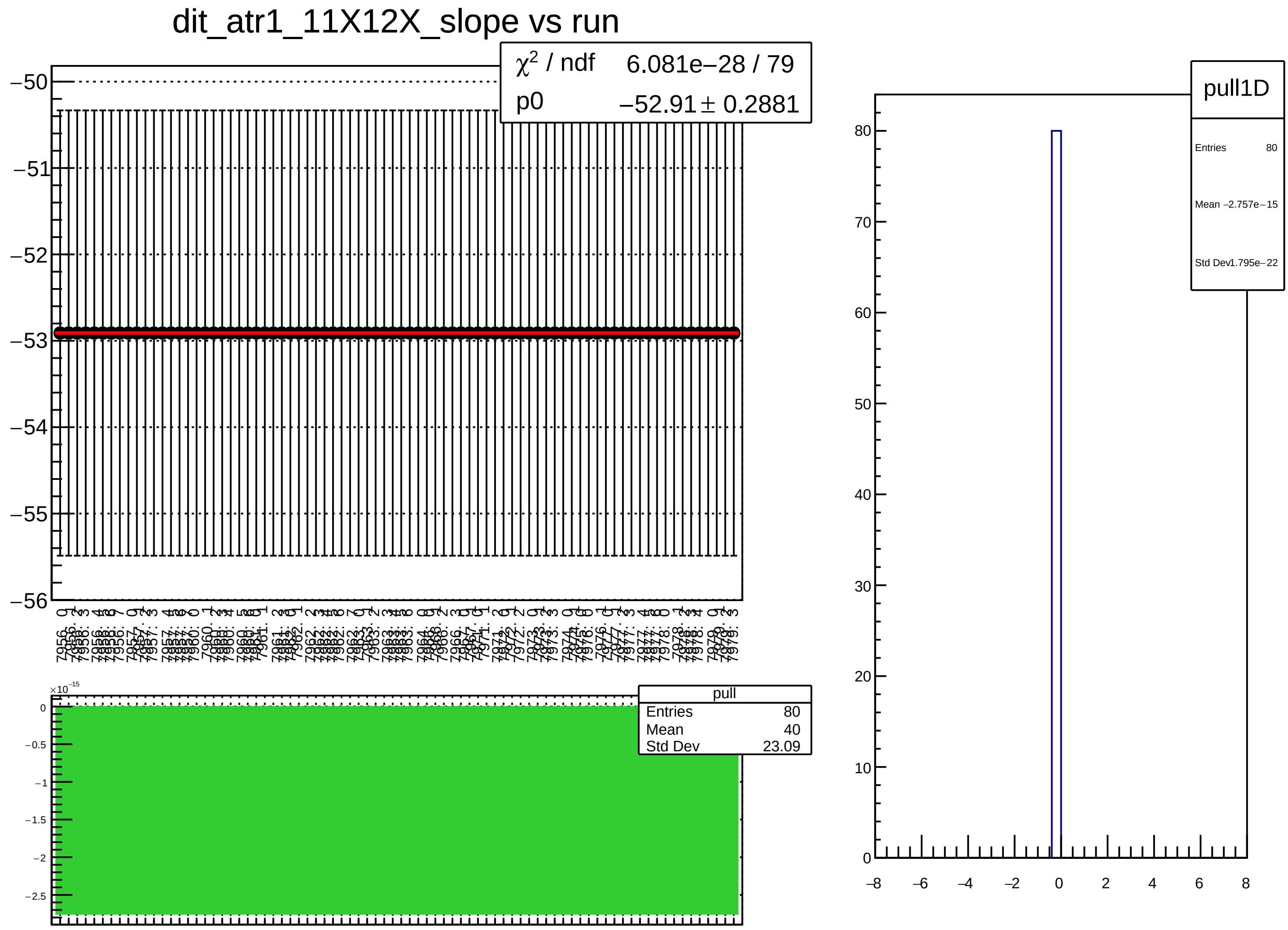

dit_atl2_4eY_slope vs run
χ2 / ndf 1.29e−26 / 79
p0 125.6 ± 0.5004
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.27e−14
Std Dev 6.527e−22

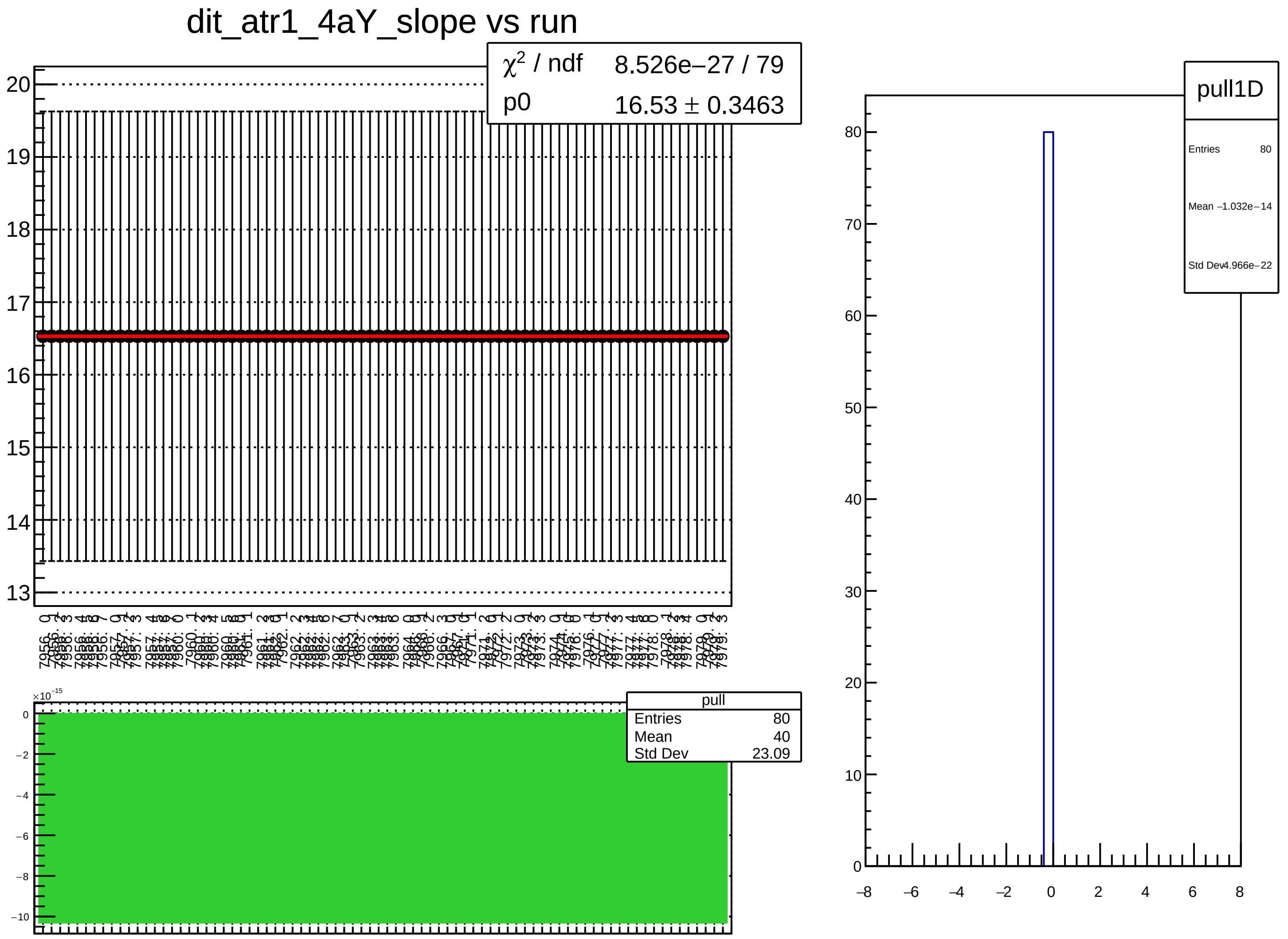
dit_atr1_4aX_slope vs run



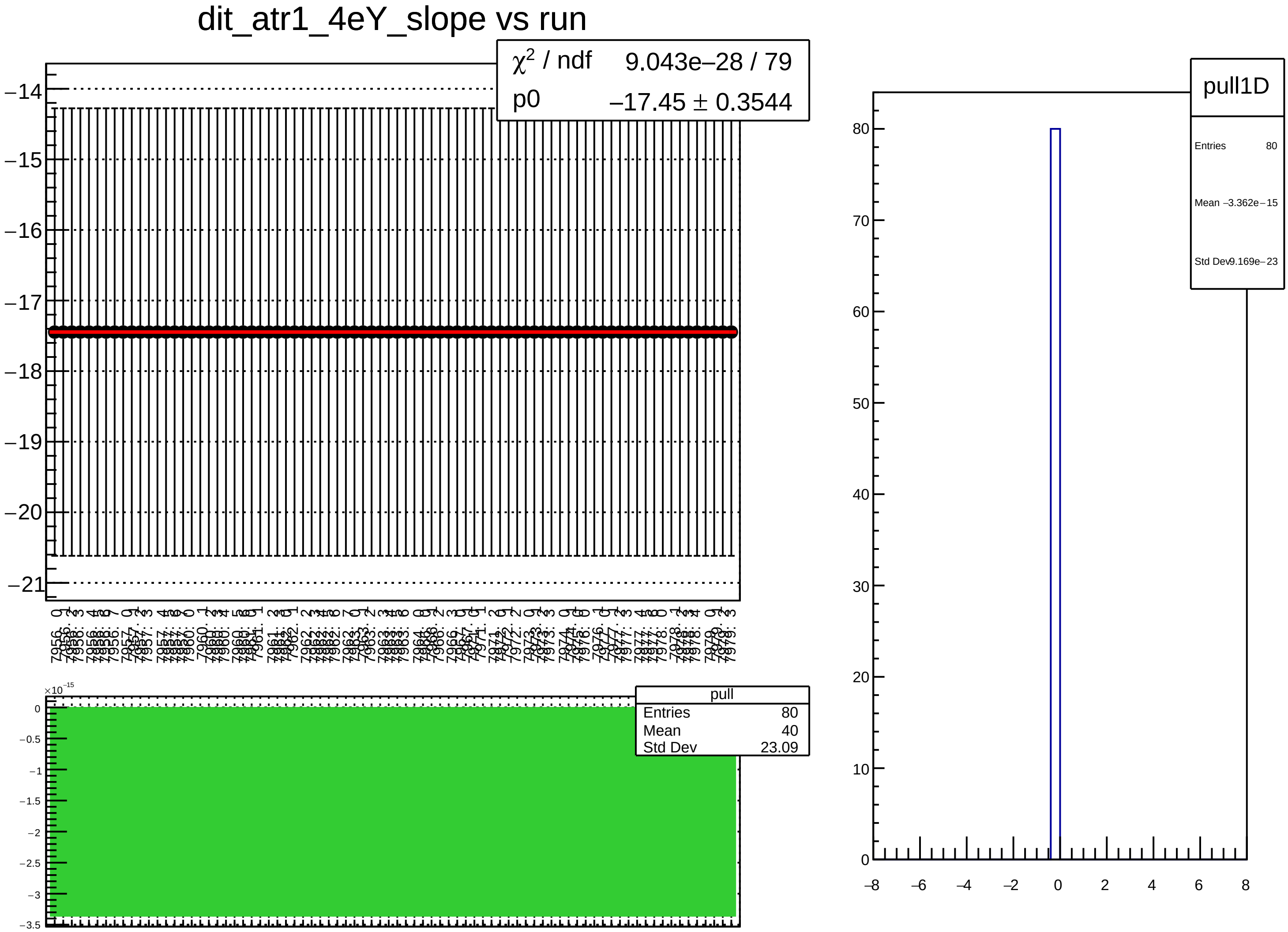


dit_atr1_4eX_slope vs run
χ^2 / ndf 2.997e–28 / 79
p0 250.5 ± 1.642
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.935e−15
Std Dev 7.941e−23

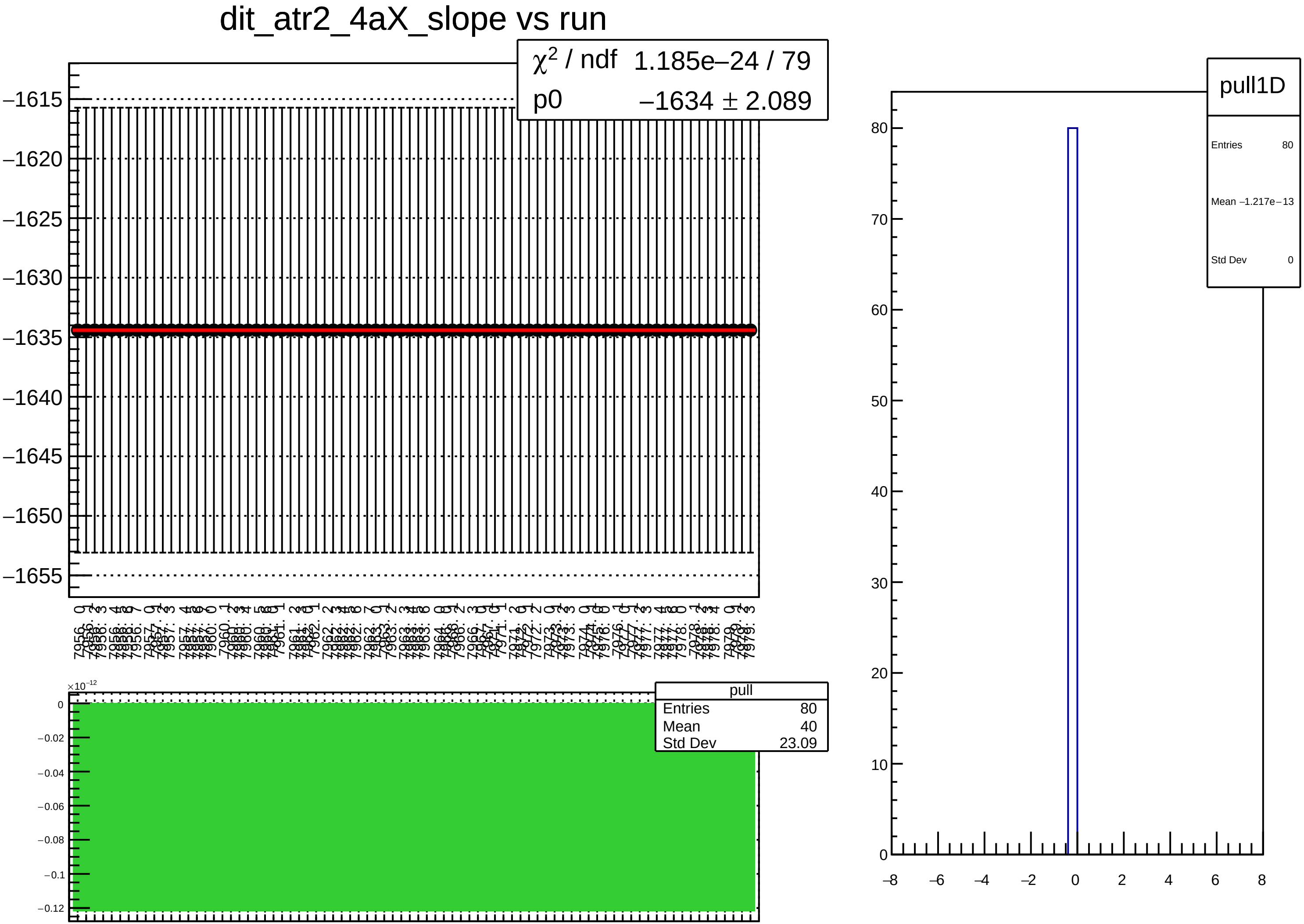

dit_atr1_11X12X_slope vs run
χ2 / ndf 6.081e−28 / 79
p0 −52.91 ± 0.2881
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.757e−15
Std Dev 1.795e−22



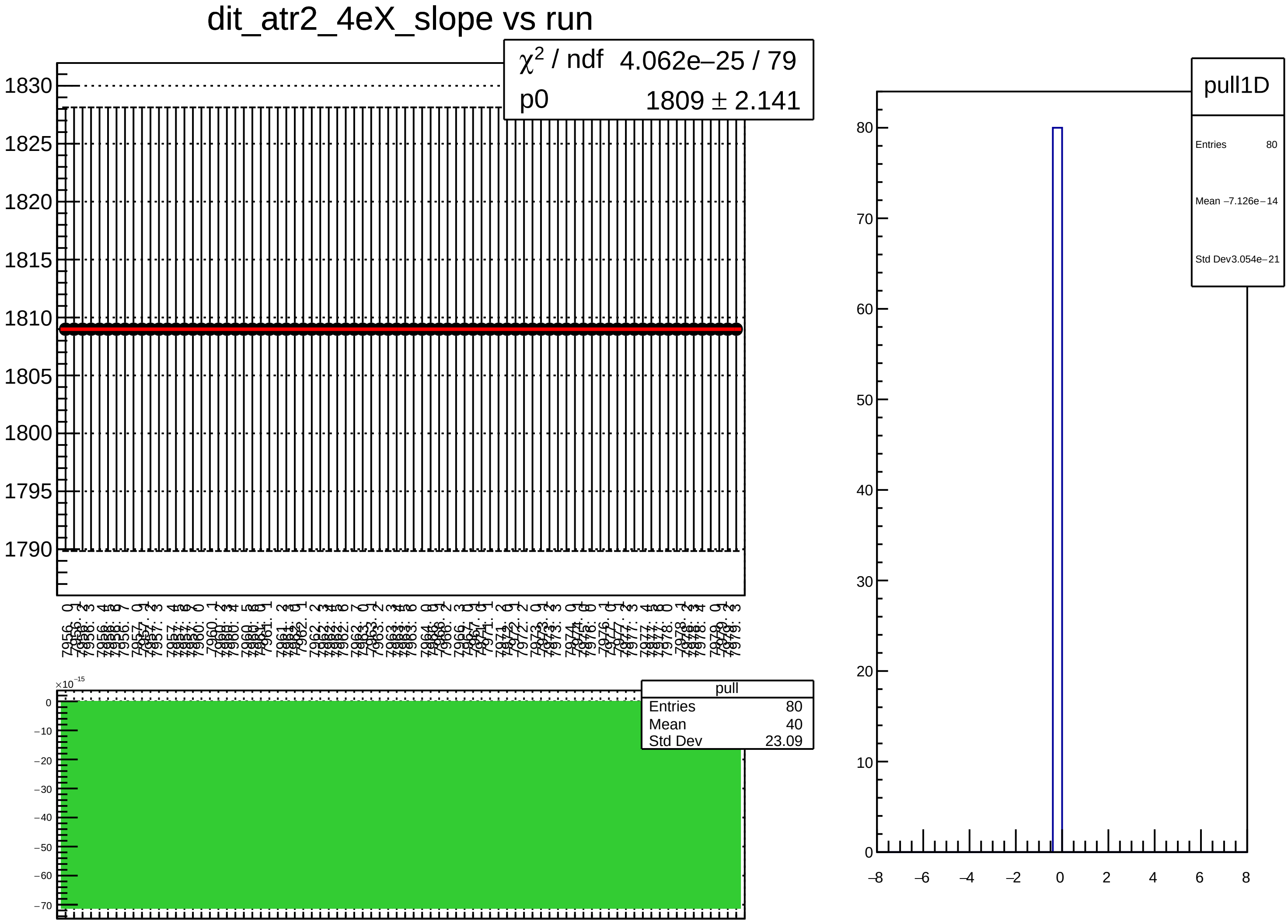
dit_atr1_4aY_slope vs run
χ2 / ndf 8.526e−27 / 79
p0 16.53 ± 0.3463
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.032e−14
Std Dev 4.966e−22



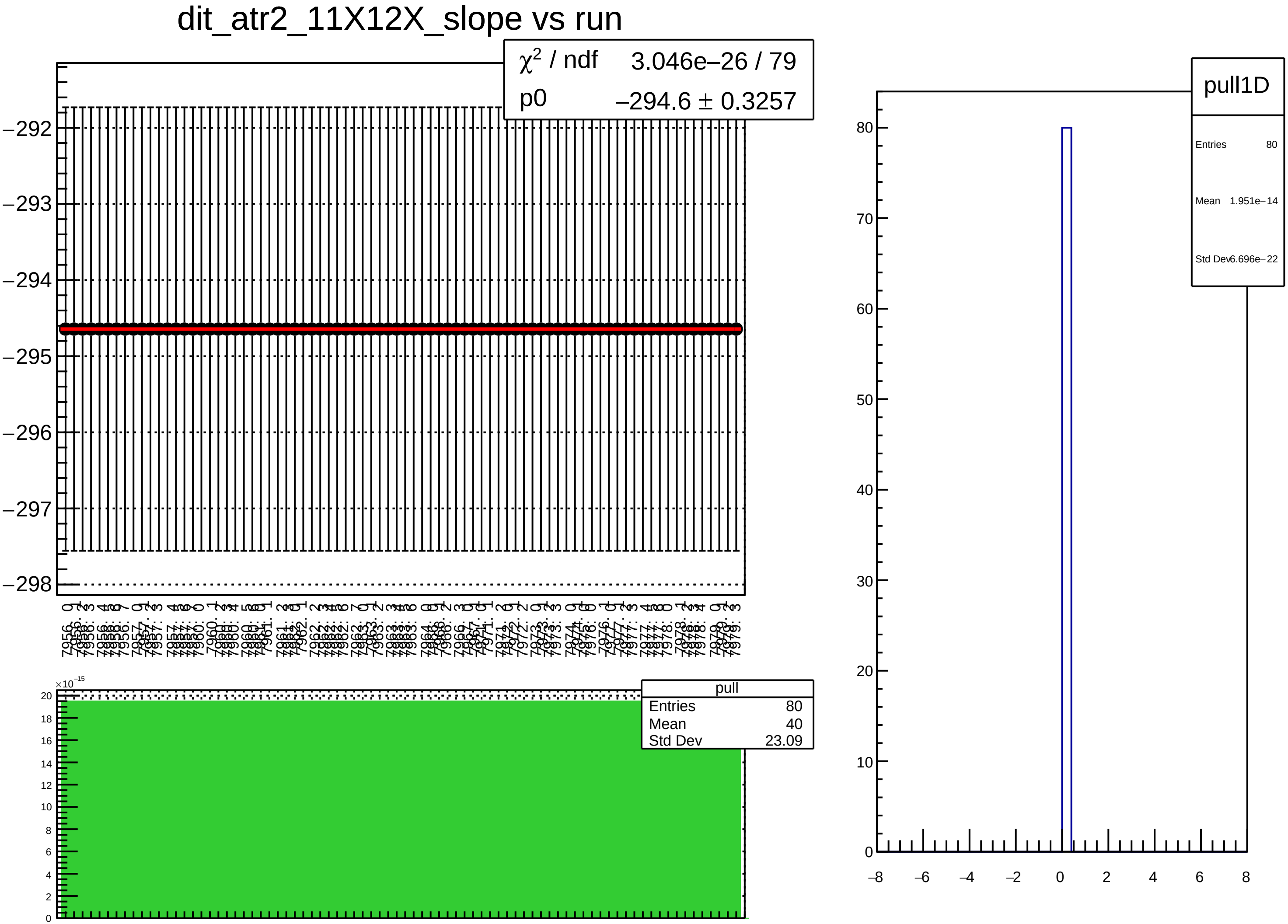
dit_atr1_4eY_slope vs run
χ2 / ndf 9.043e−28 / 79
p0 −17.45 ± 0.3544
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.362e−15
Std Dev 9.169e−23



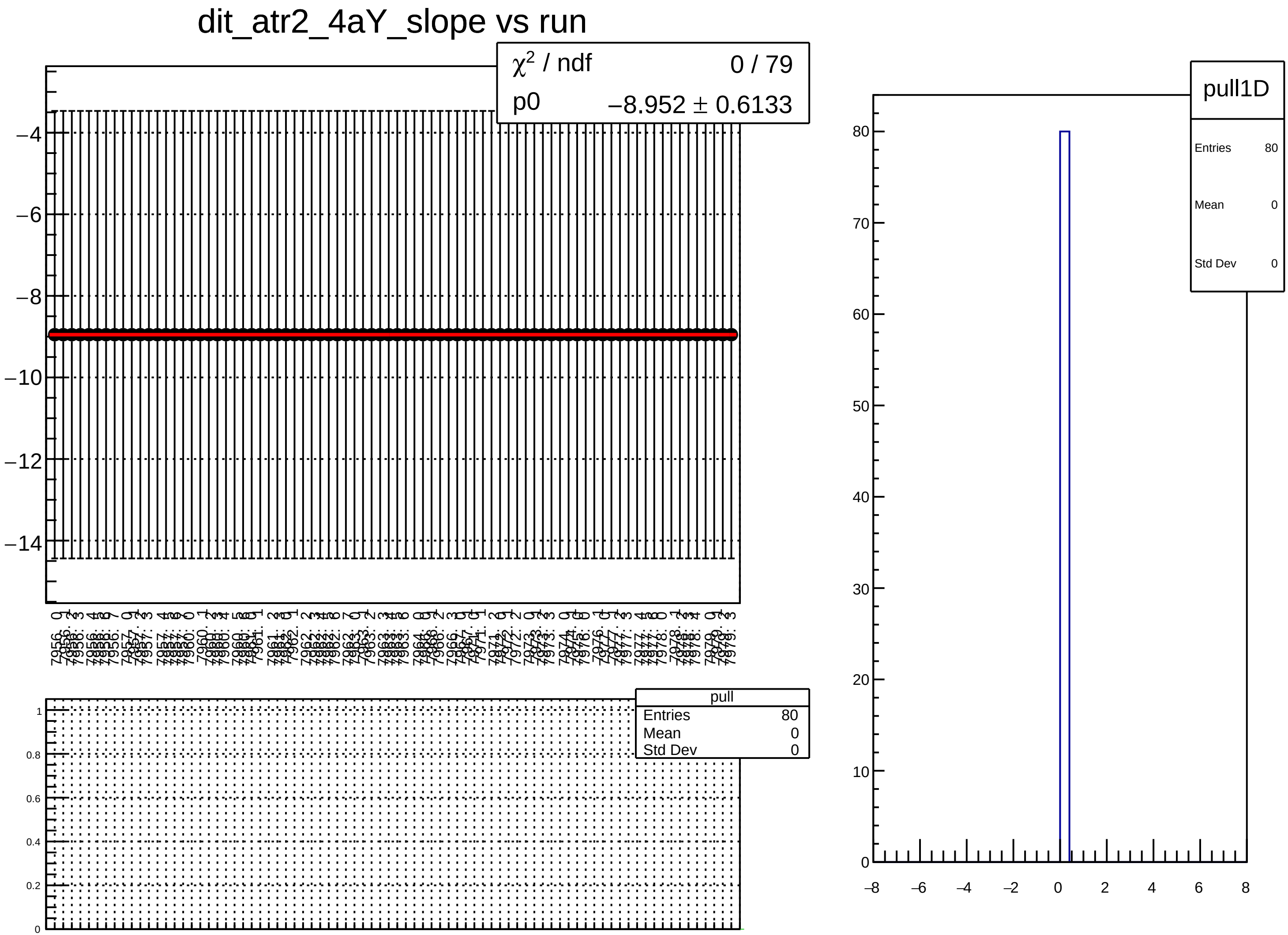
dit_atr2_4aX_slope vs run
χ^2 / ndf 1.185e−24 / 79
p0 −1634 ± 2.089
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.217e−13
Std Dev 0



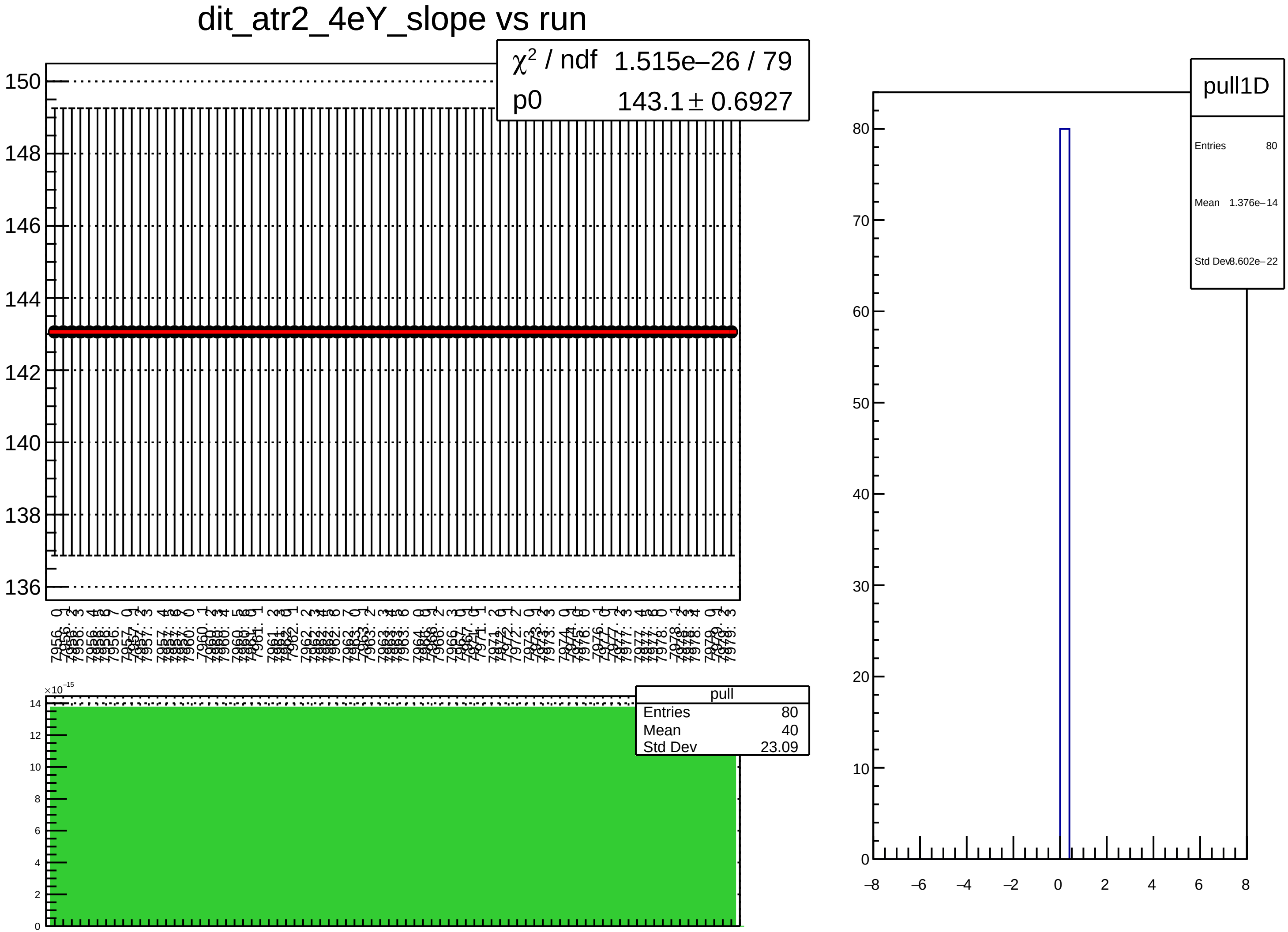
dit_atr2_4eX_slope vs run
χ^2 / ndf 4.062e−25 / 79
p0 1809 ± 2.141
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.126e−14
Std Dev 3.054e−21

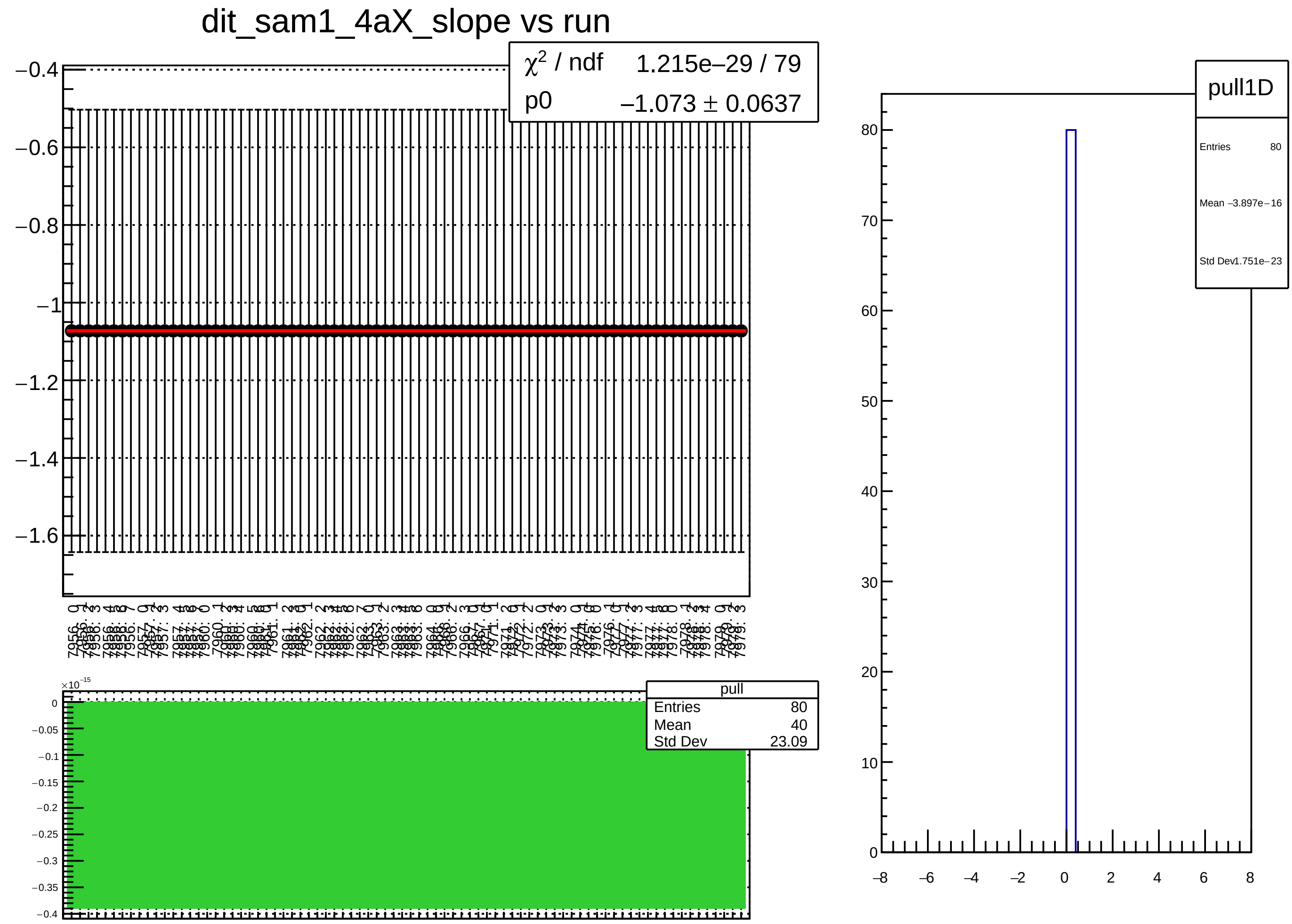


dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.046e−26 / 79
p0 −294.6 ± 0.3257
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.951e−14
Std Dev 6.696e−22

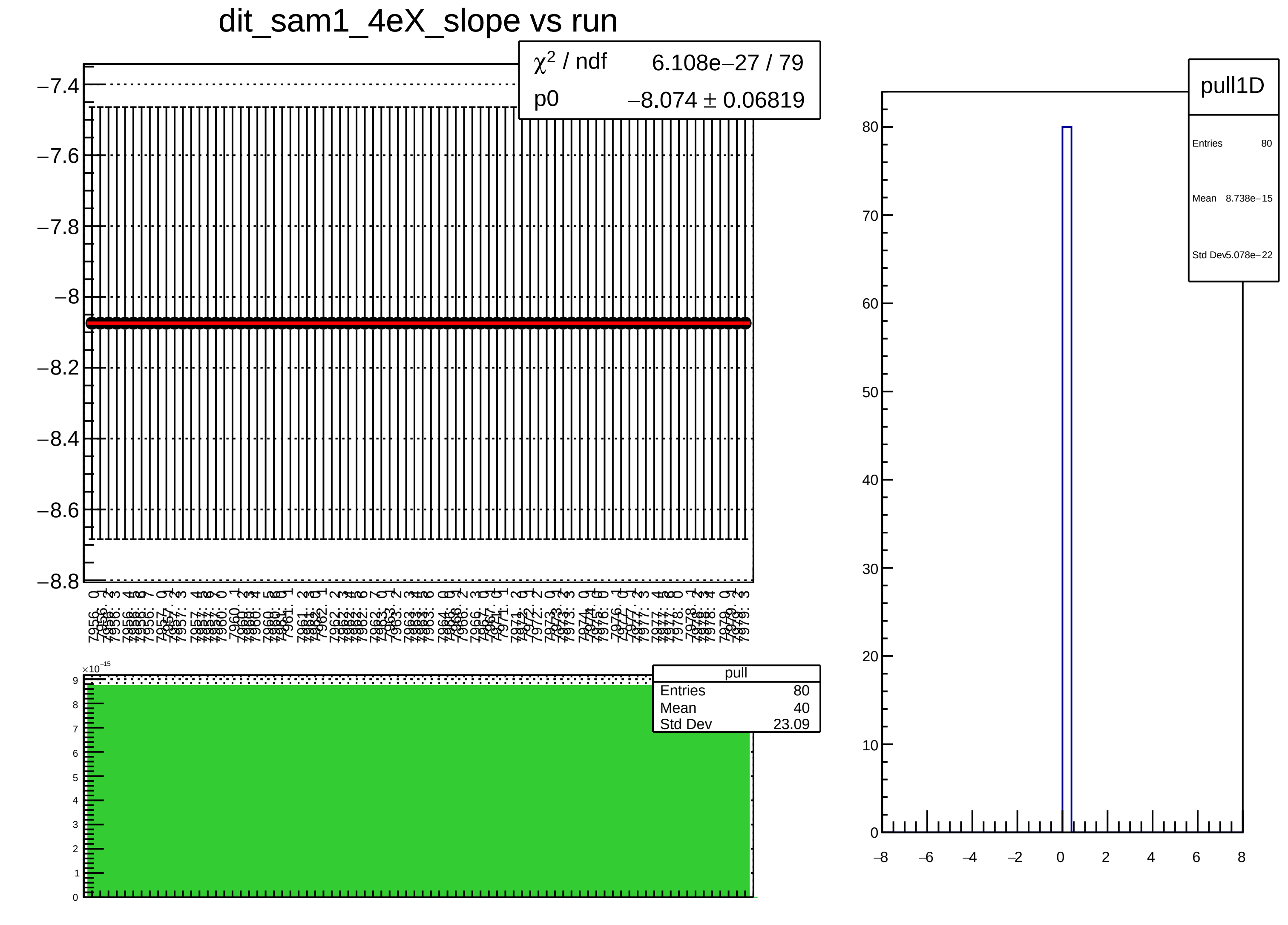


dit_atr2_4aY_slope vs run
χ2 / ndf 0 / 79
p0 −8.952 ± 0.6133
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

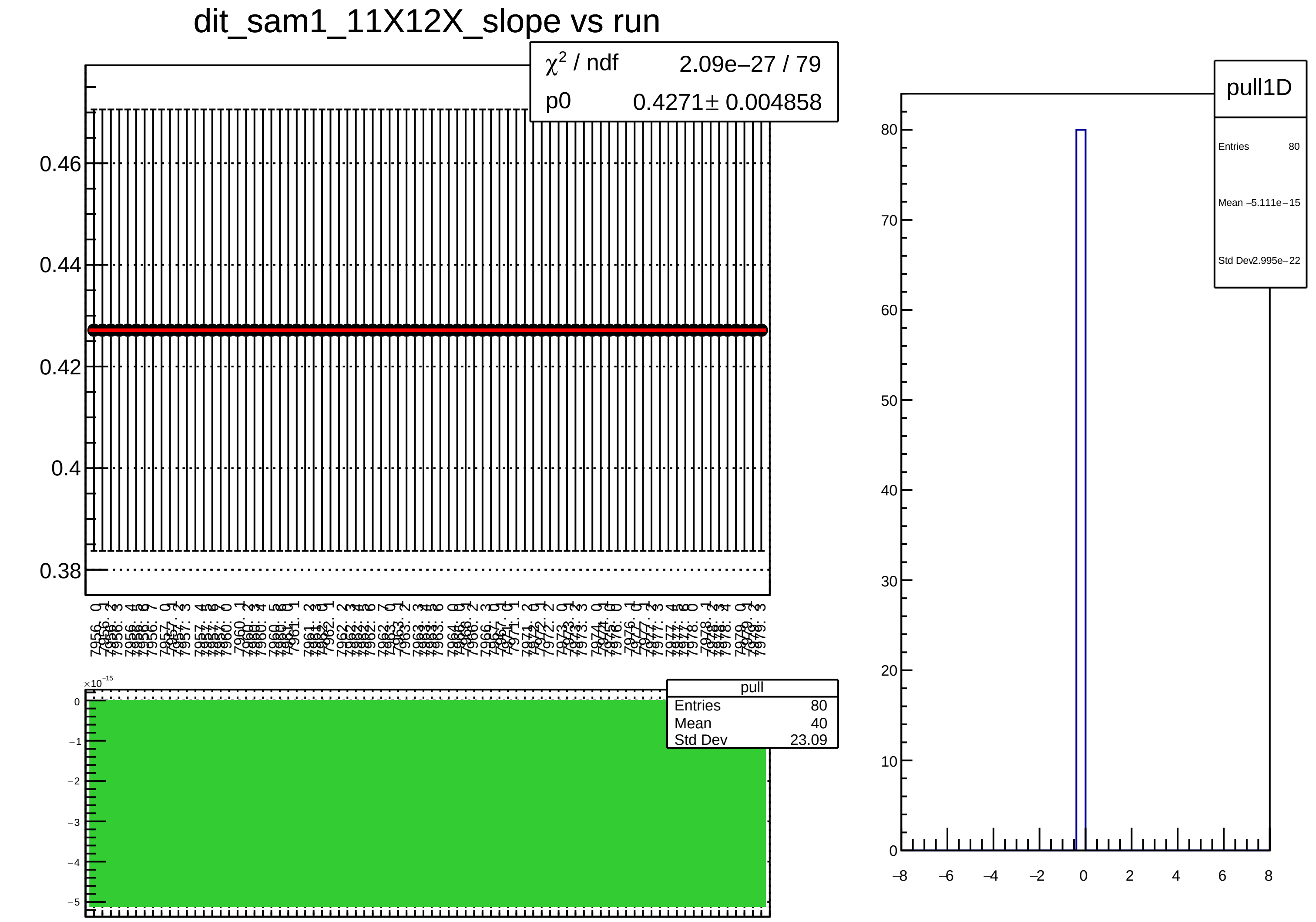

dit_atr2_4eY_slope vs run
χ2 / ndf 1.515e−26 / 79
p0 143.1 ± 0.6927
pull
Entries 80
Mean 40
Std Dev 23.09
×10−15
pull1D
Entries 80
Mean 1.376e−14
Std Dev 8.602e−22



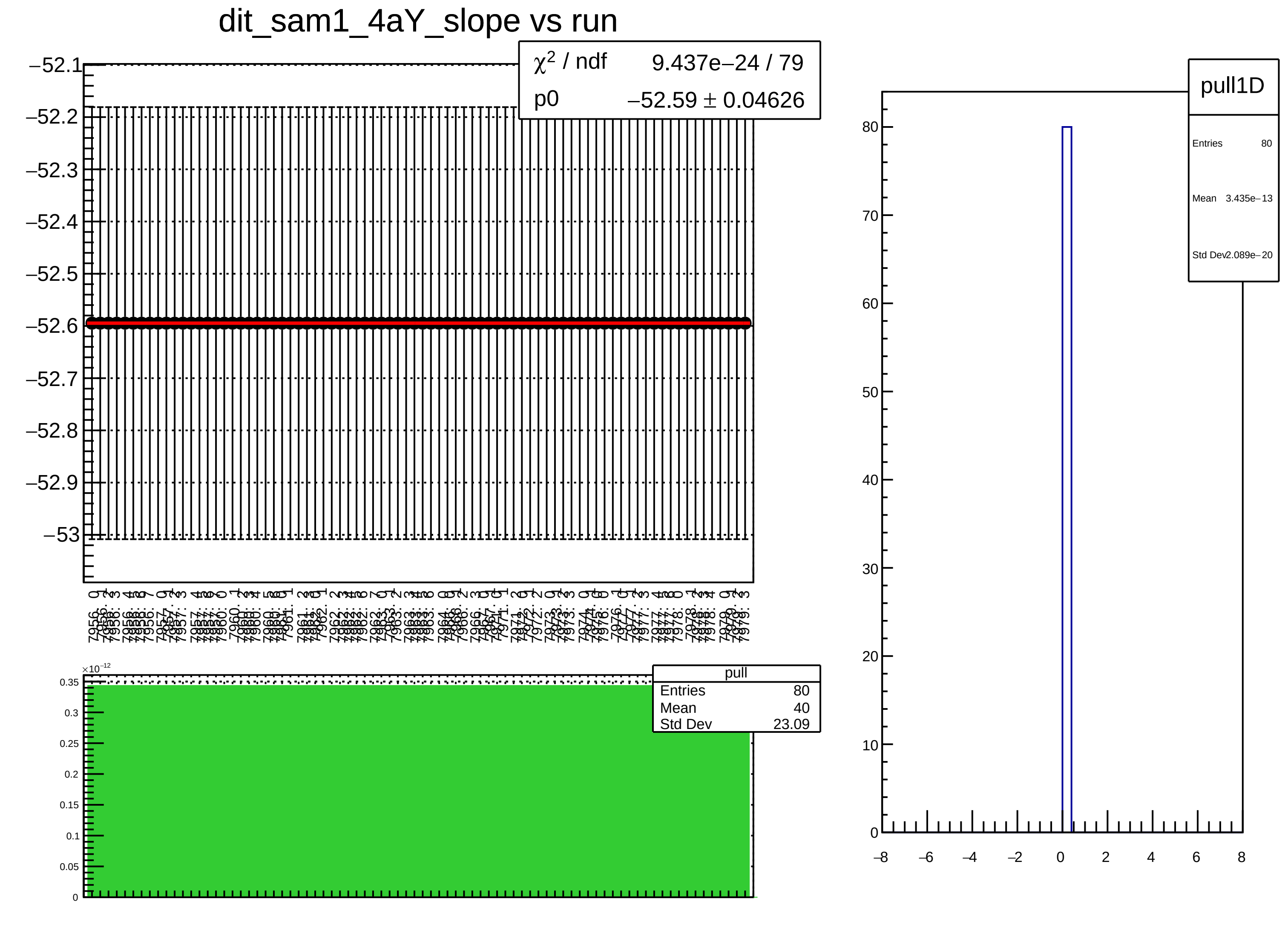
dit_sam1_4aX_slope vs run
χ^2 / ndf 1.215e−29 / 79
p0 −1.073 ± 0.0637
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.897e−16
Std Dev 1.751e−23



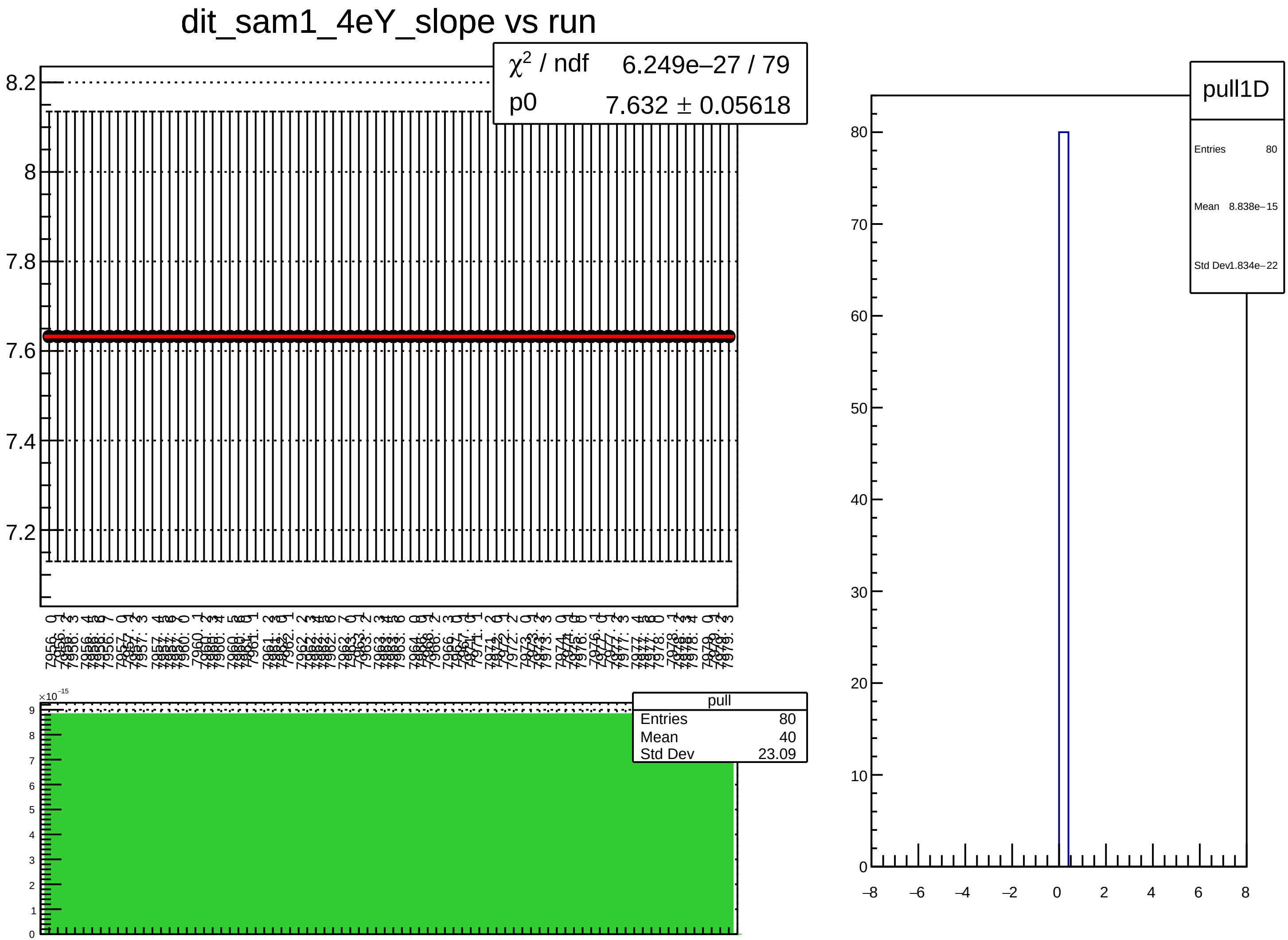
dit_sam1_4eX_slope vs run
χ2 / ndf 6.108e−27 / 79
p0 −8.074 ± 0.06819
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.738e−15
Std Dev 5.078e−22

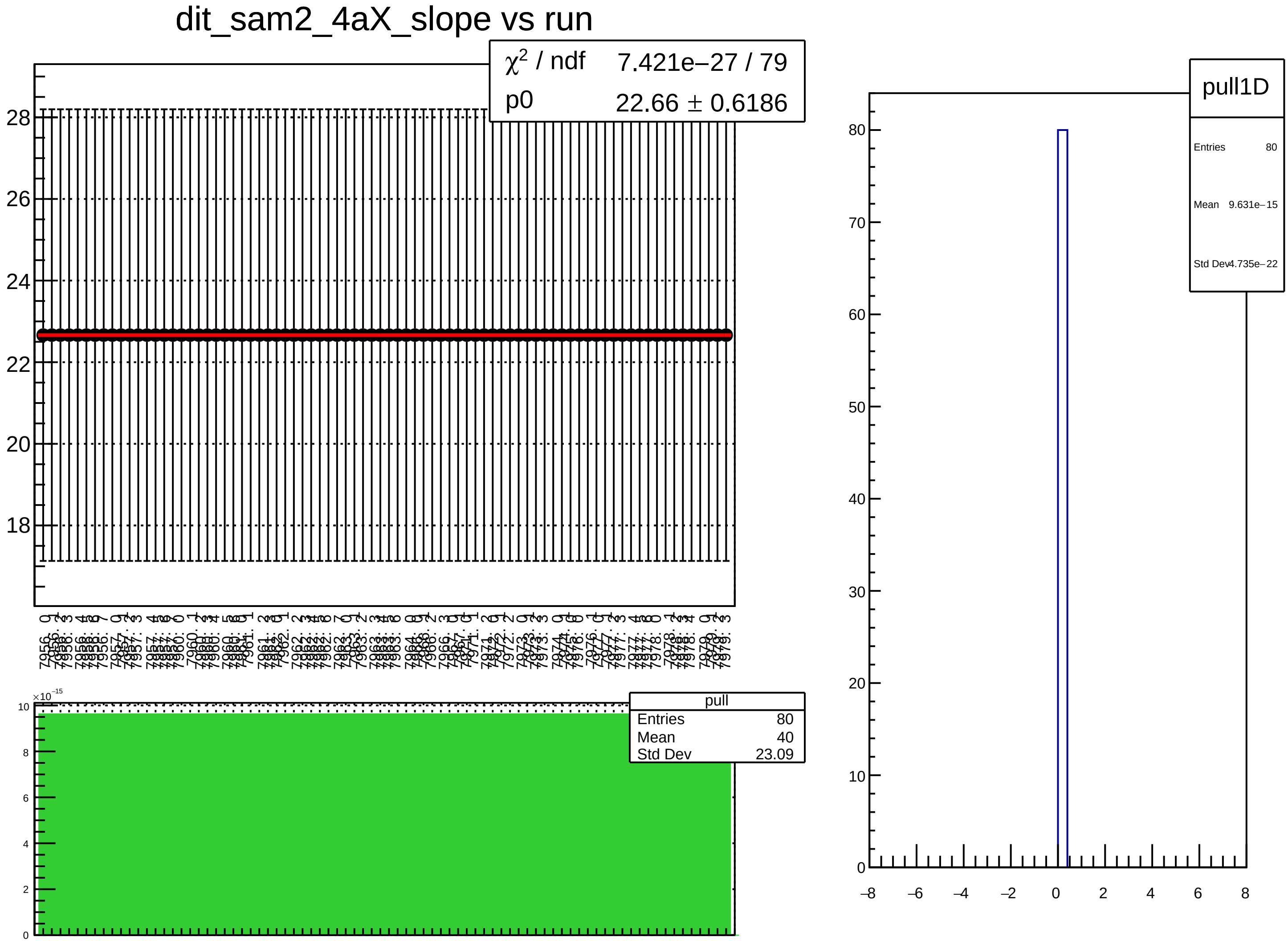


dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.09e−27 / 79
p0 0.4271 ± 0.004858
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.111e−15
Std Dev 2.995e−22

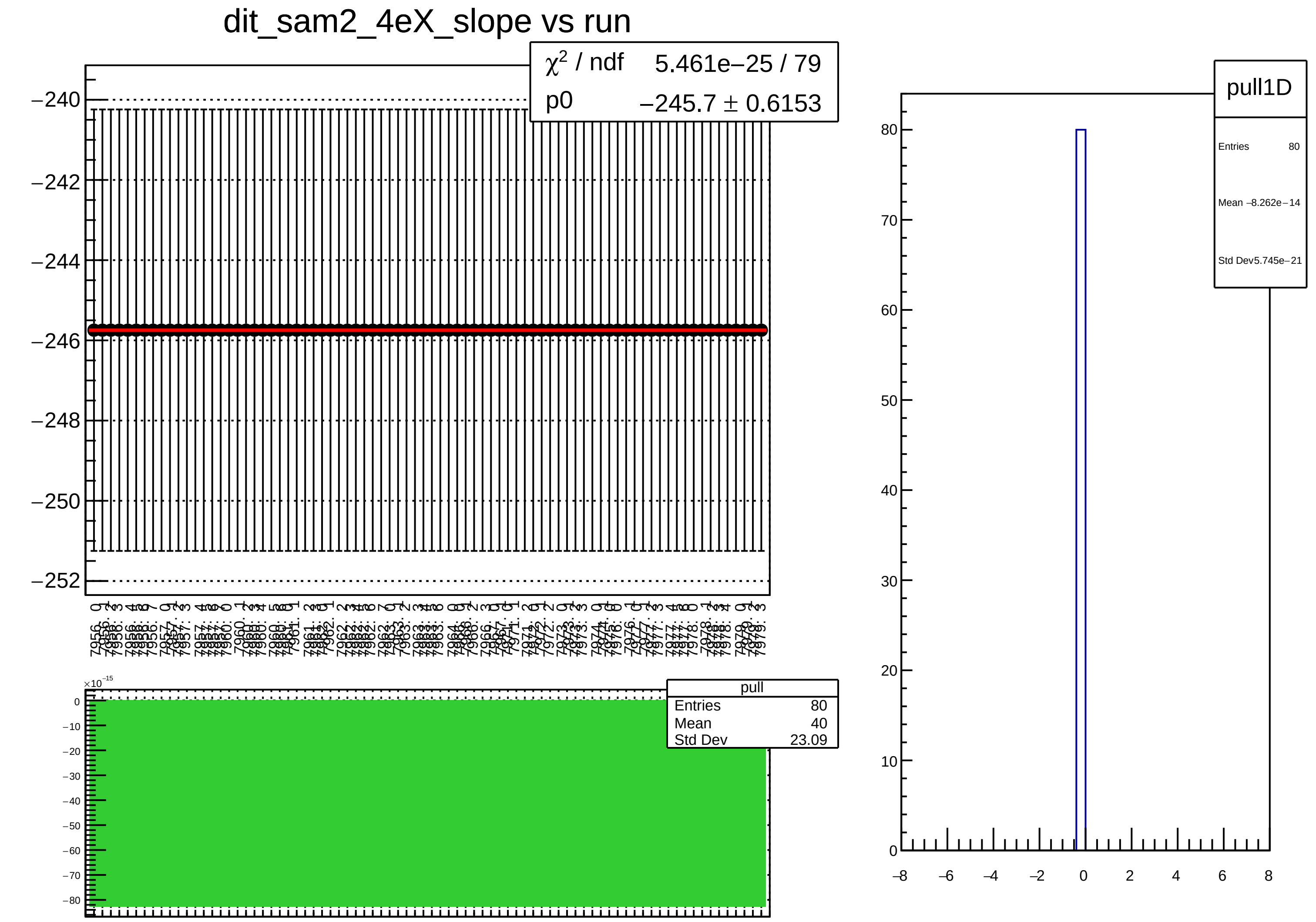


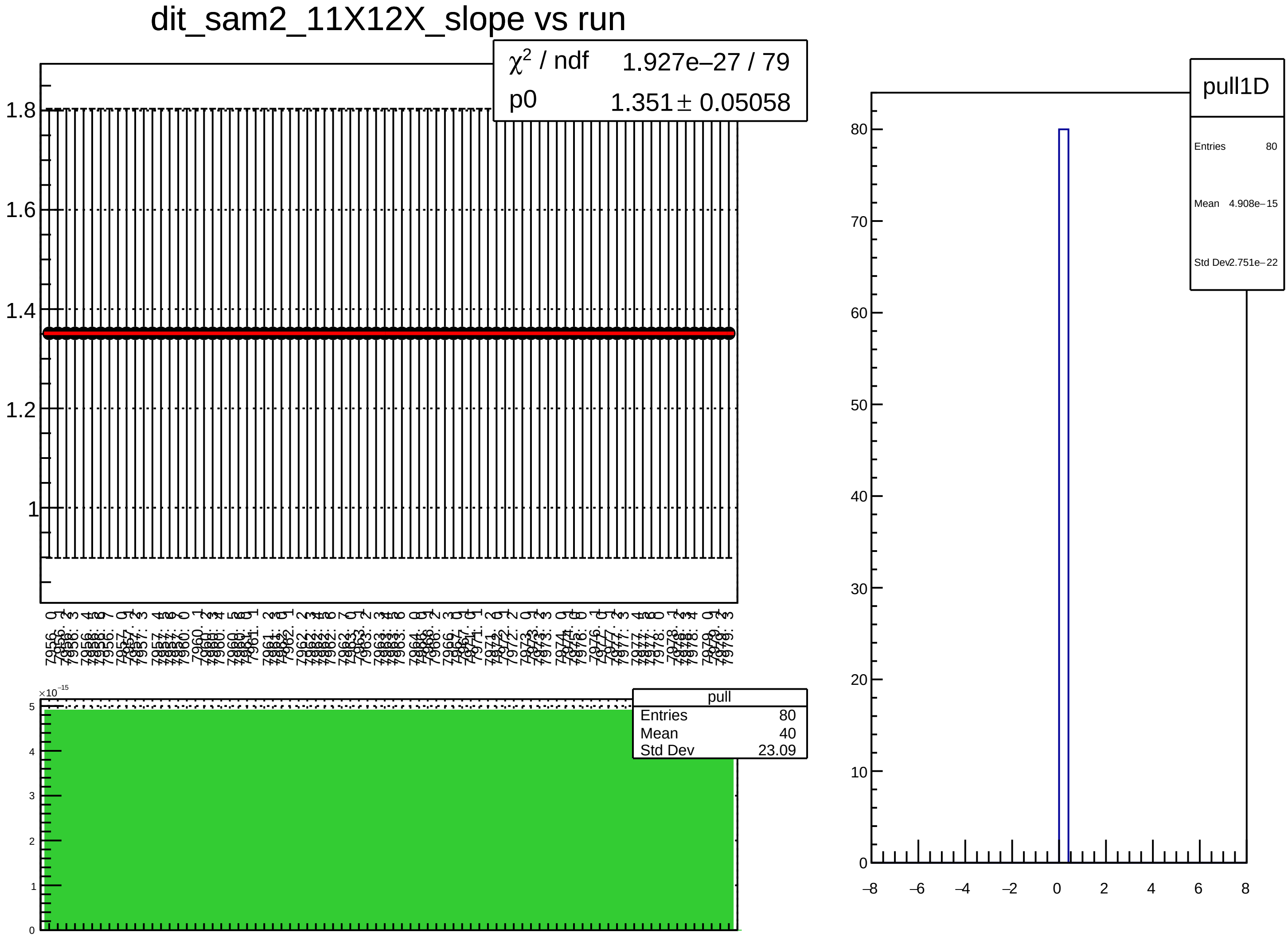
dit_sam1_4aY_slope vs run
χ^2 / ndf 9.437e−24 / 79
p0 −52.59 ± 0.04626
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.435e−13
Std Dev 2.089e−20


dit_sam1_4eY_slope vs run
χ2 / ndf 6.249e−27 / 79
p0 7.632 ± 0.05618
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.838e−15
Std Dev 1.834e−22

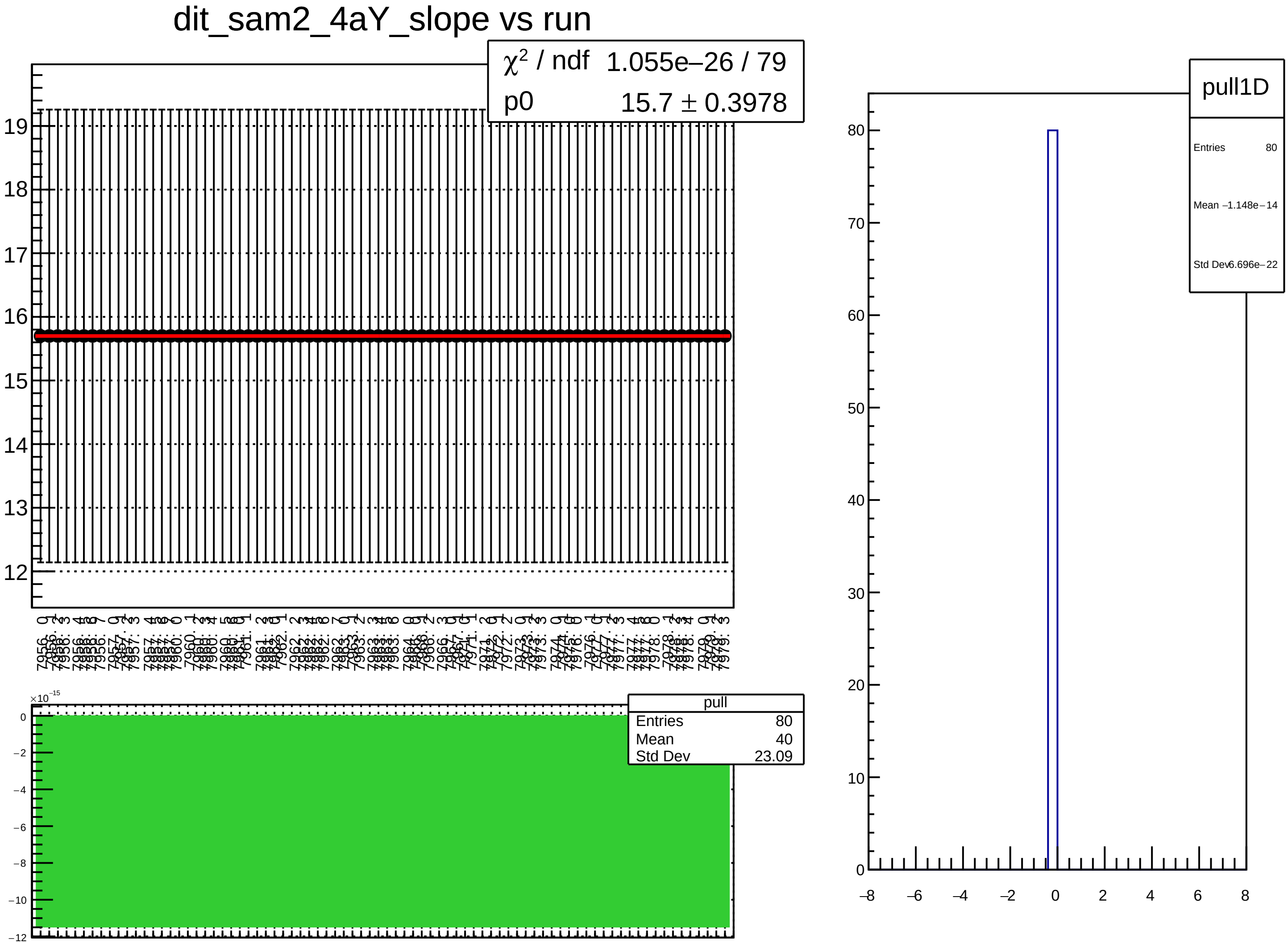


dit_sam2_4aX_slope vs run
χ2 / ndf 7.421e−27 / 79
p0 22.66 ± 0.6186
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.631e−15
Std Dev 4.735e−22

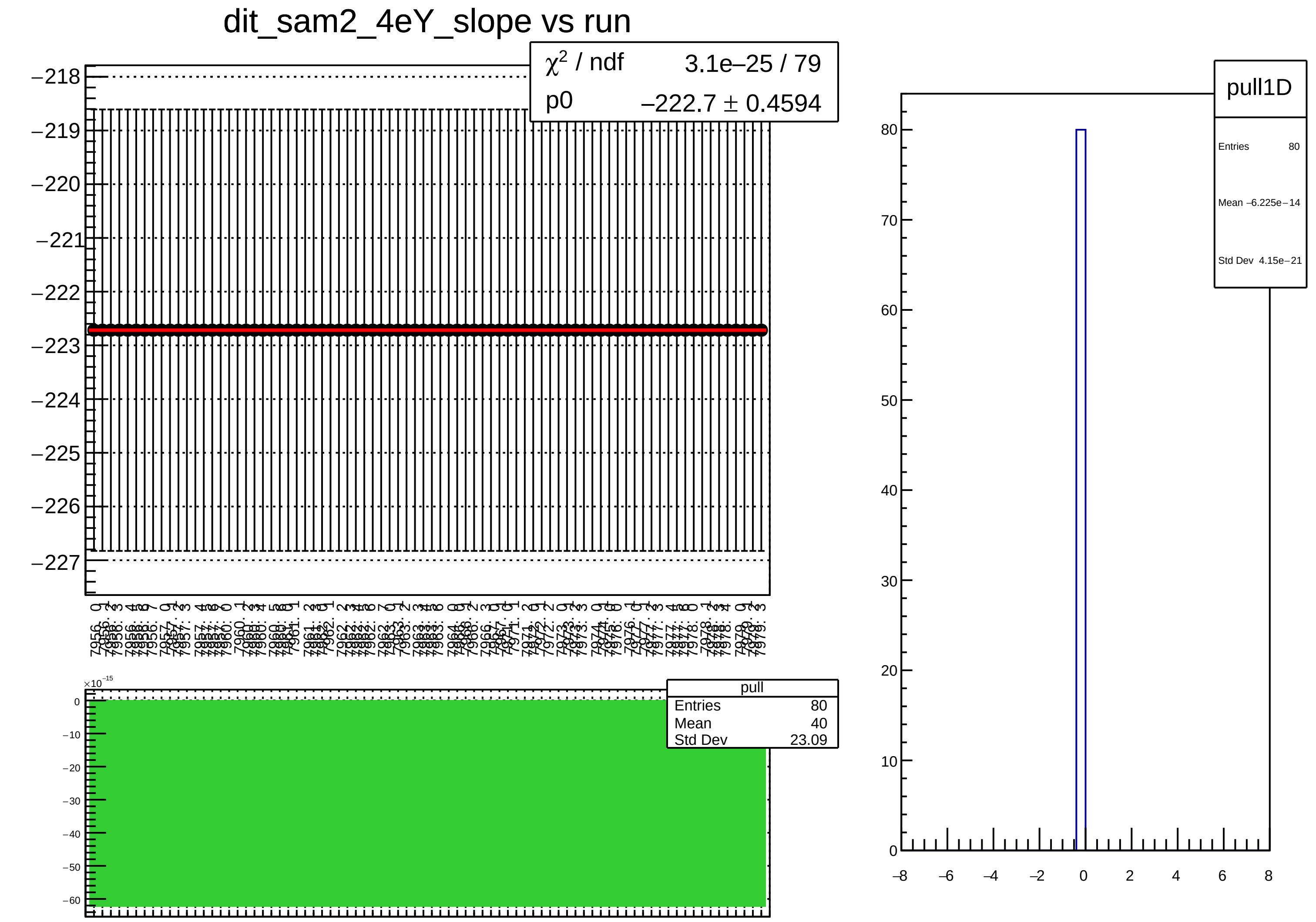

dit_sam2_4eX_slope vs run
χ2 / ndf 5.461e−25 / 79
p0 −245.7 ± 0.6153
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −8.262e−14
Std Dev 5.745e−21



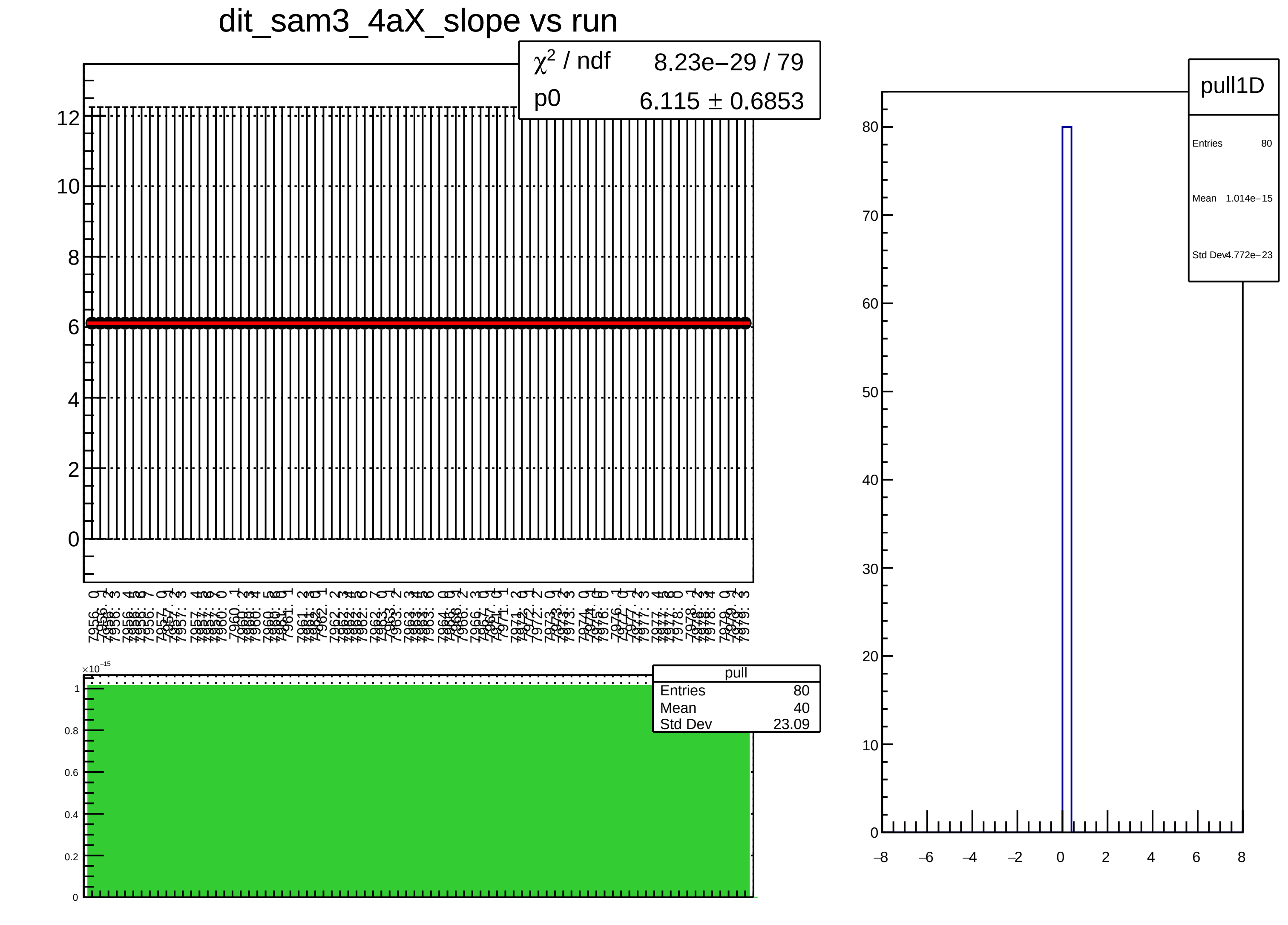
dit_sam2_11X12X_slope vs run
χ^2 / ndf 1.927e−27 / 79
p0 1.351 ± 0.05058
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.908e−15
Std Dev 2.751e−22



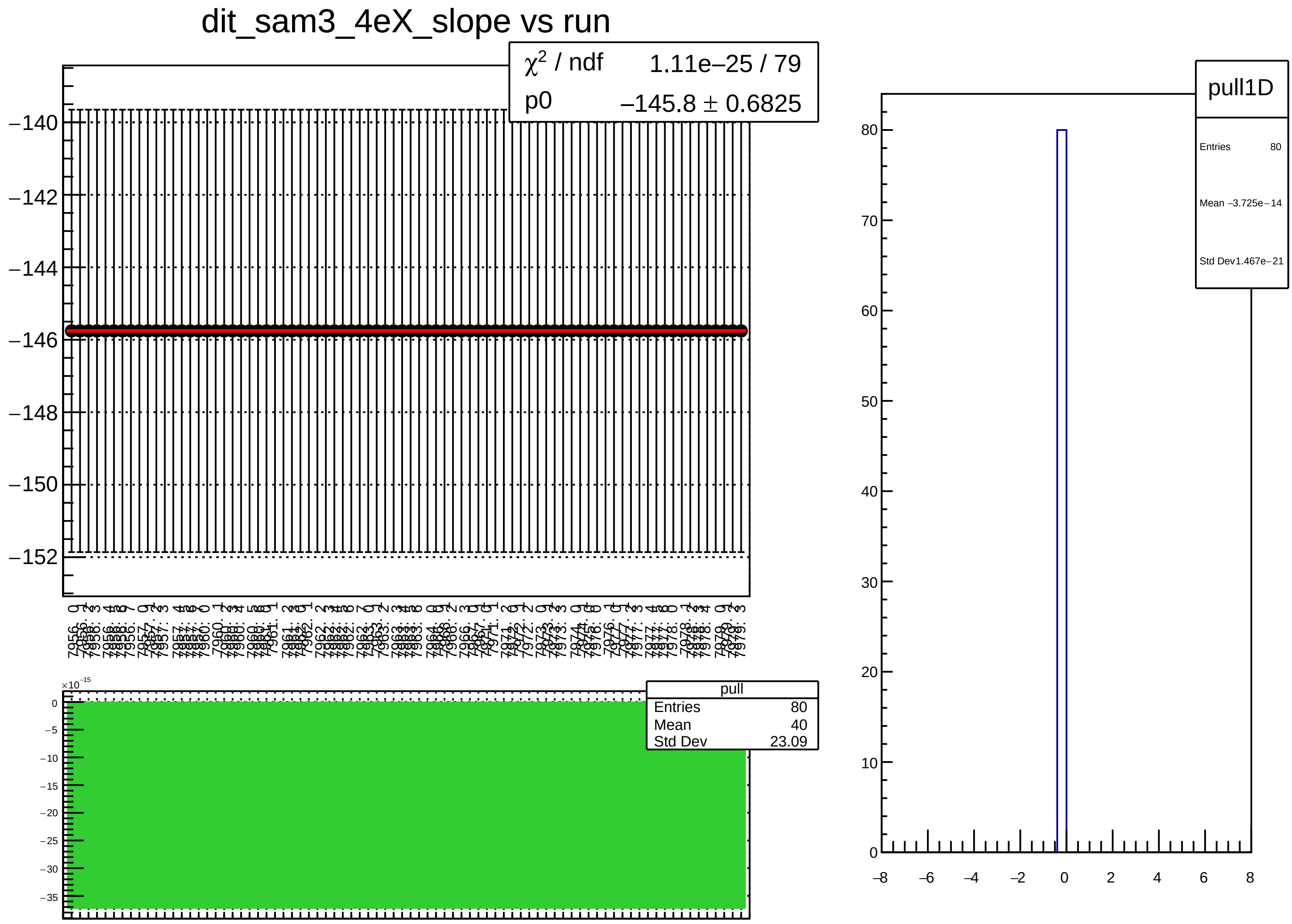
dit_sam2_4aY_slope vs run
χ^2 / ndf 1.055e−26 / 79
p0 15.7 ± 0.3978
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.148e−14
Std Dev 6.696e−22



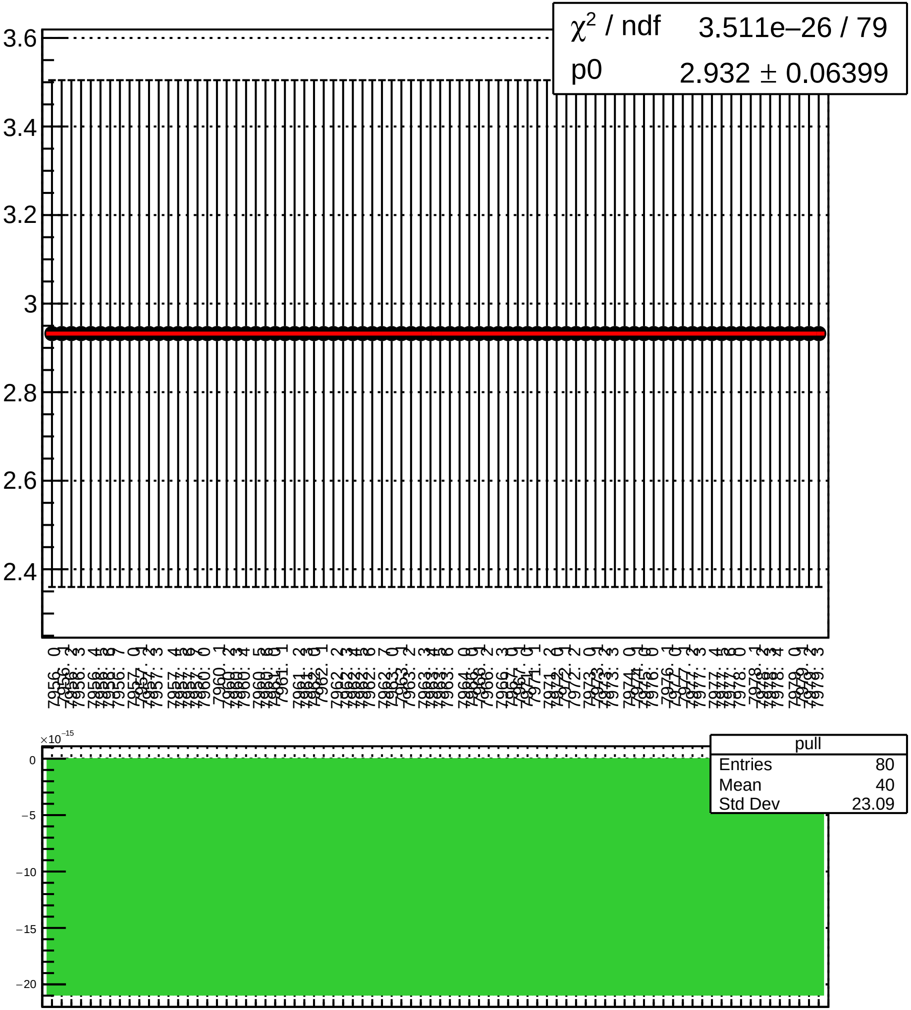
dit_sam2_4eY_slope vs run
χ^2 / ndf 3.1e−25 / 79
p0 −222.7 ± 0.4594
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −6.225e−14
Std Dev 4.15e−21

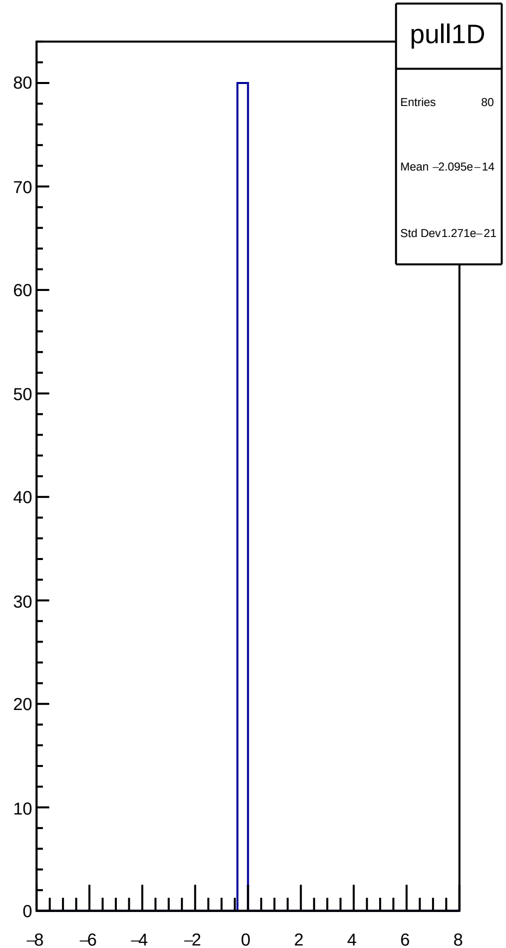


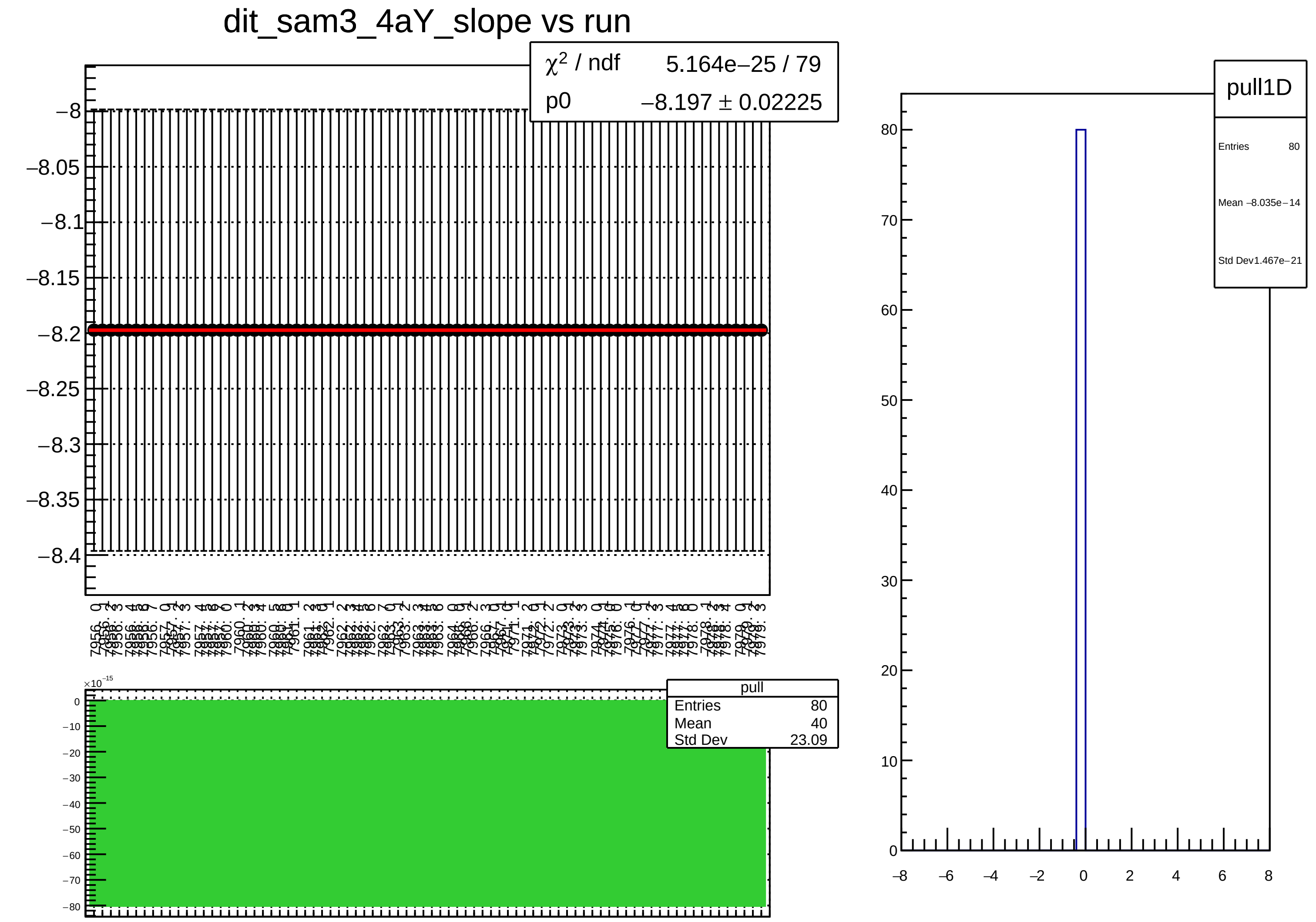
dit_sam3_4aX_slope vs run
χ^2 / ndf 8.23e−29 / 79
p0 6.115 ± 0.6853
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.014e−15
Std Dev 4.772e−23


dit_sam3_4eX_slope vs run
χ^2 / ndf 1.11e−25 / 79
p0 −145.8 ± 0.6825
−140
−142
−144
−146
−148
−150
−152
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.725e−14
Std Dev 1.467e−21

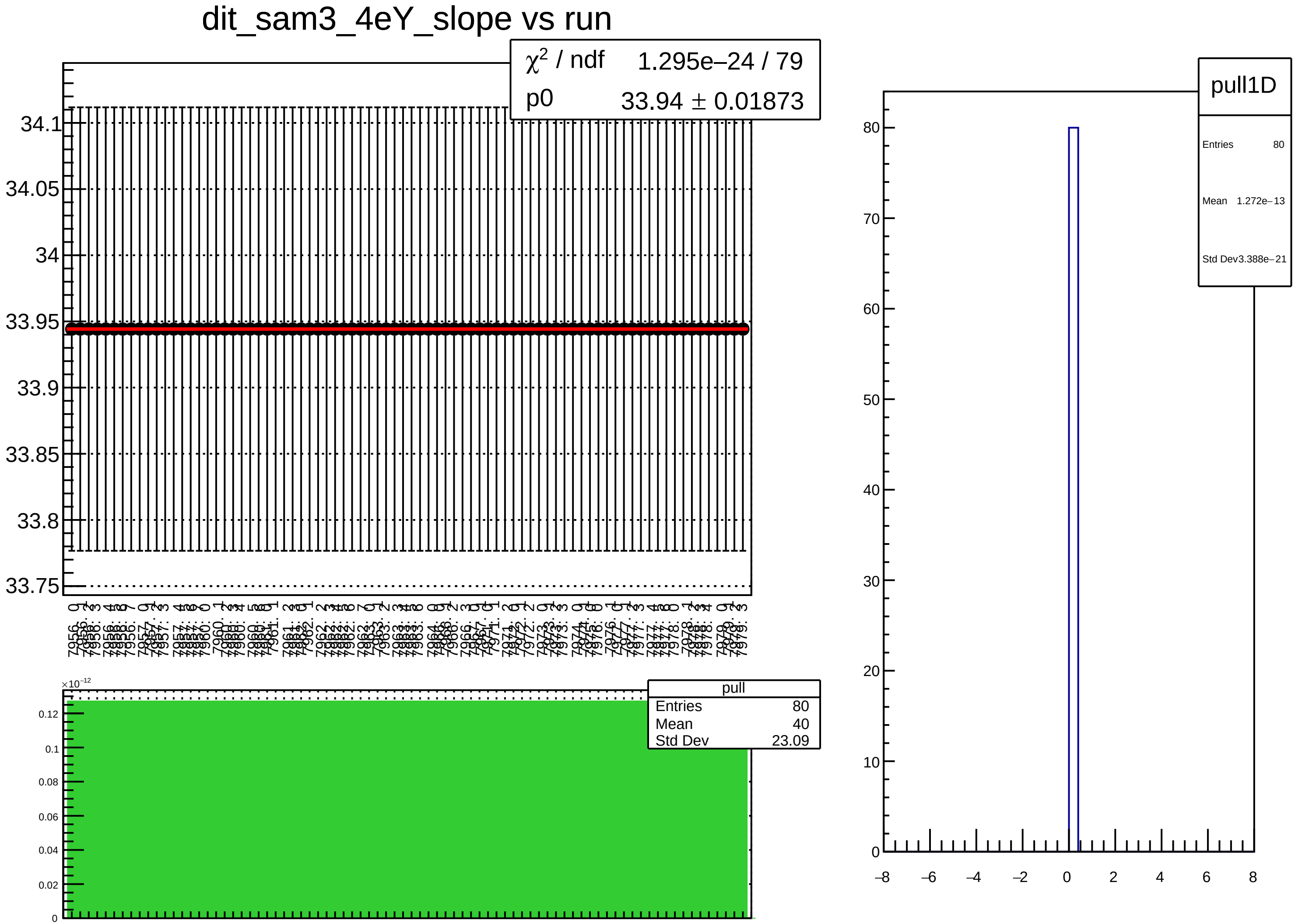
dit_sam3_11X12X_slope vs run

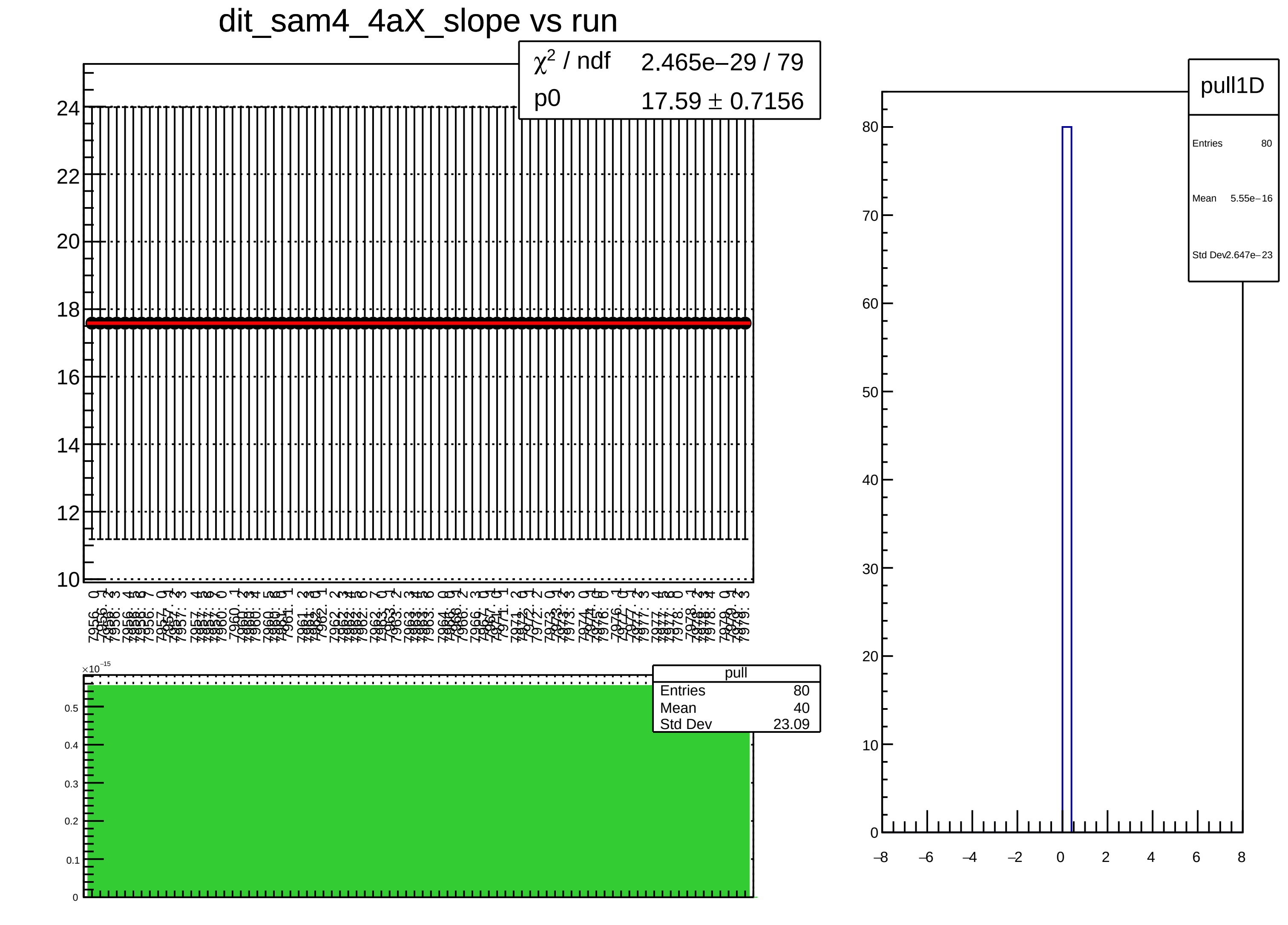




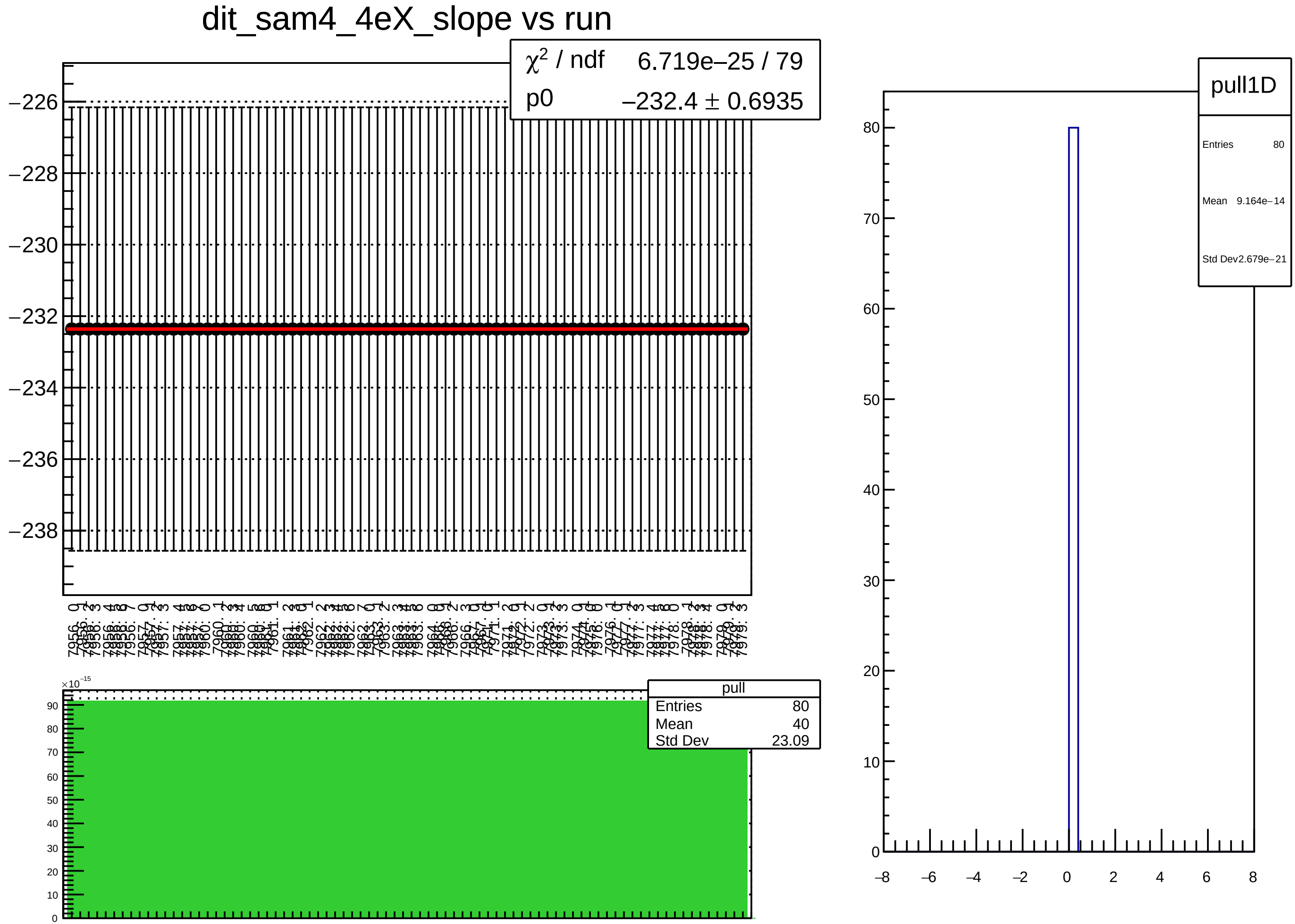


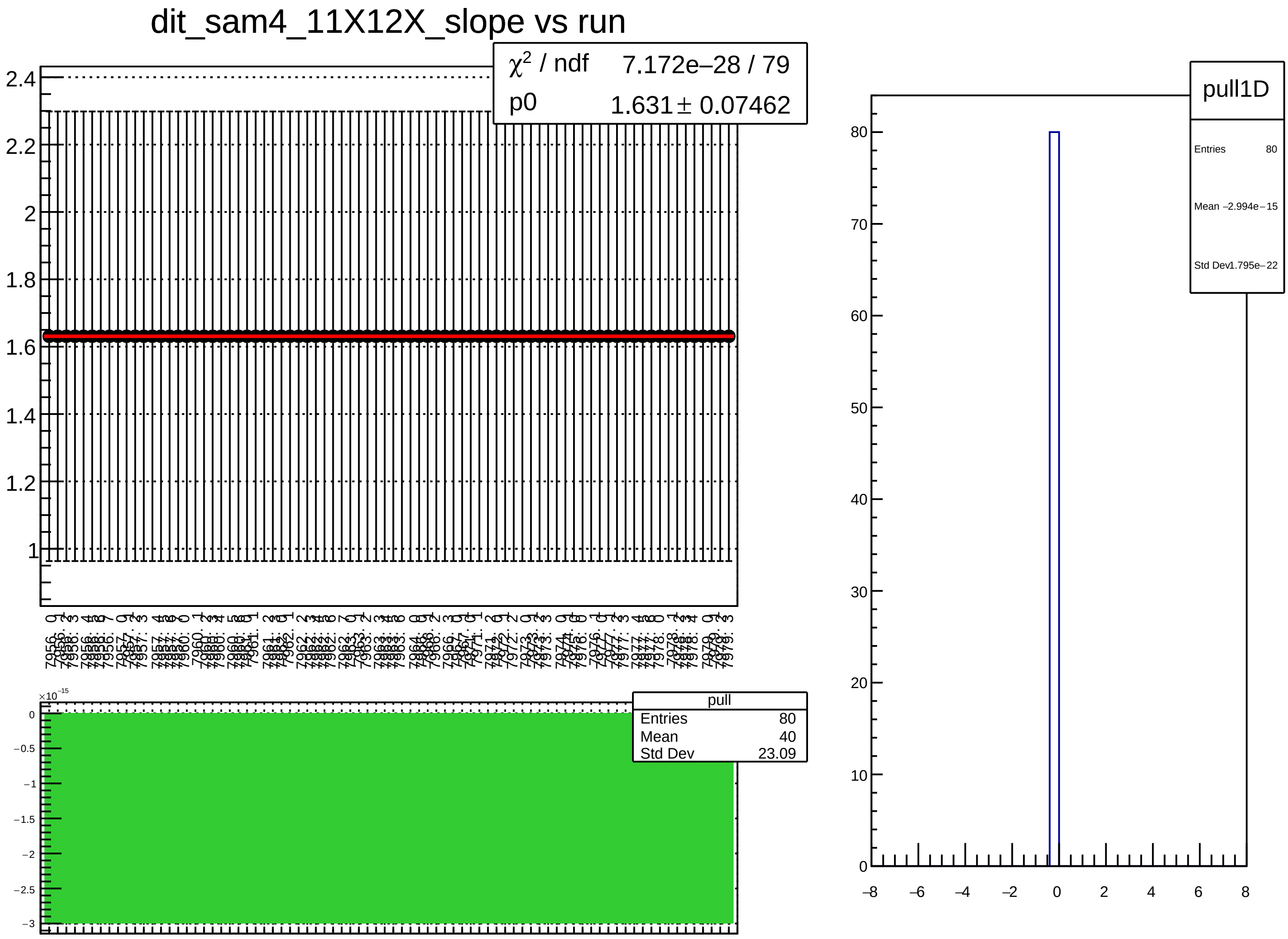
dit_sam3_4aY_slope vs run
χ2 / ndf 5.164e−25 / 79
p0 −8.197 ± 0.02225
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −8.035e−14
Std Dev1.467e−21


dit_sam3_4eY_slope vs run
χ2 / ndf 1.295e−24 / 79
p0 33.94 ± 0.01873
34.1
34.05
34
33.95
33.9
33.85
33.8
33.75
×10−12
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.272e−13
Std Dev 3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

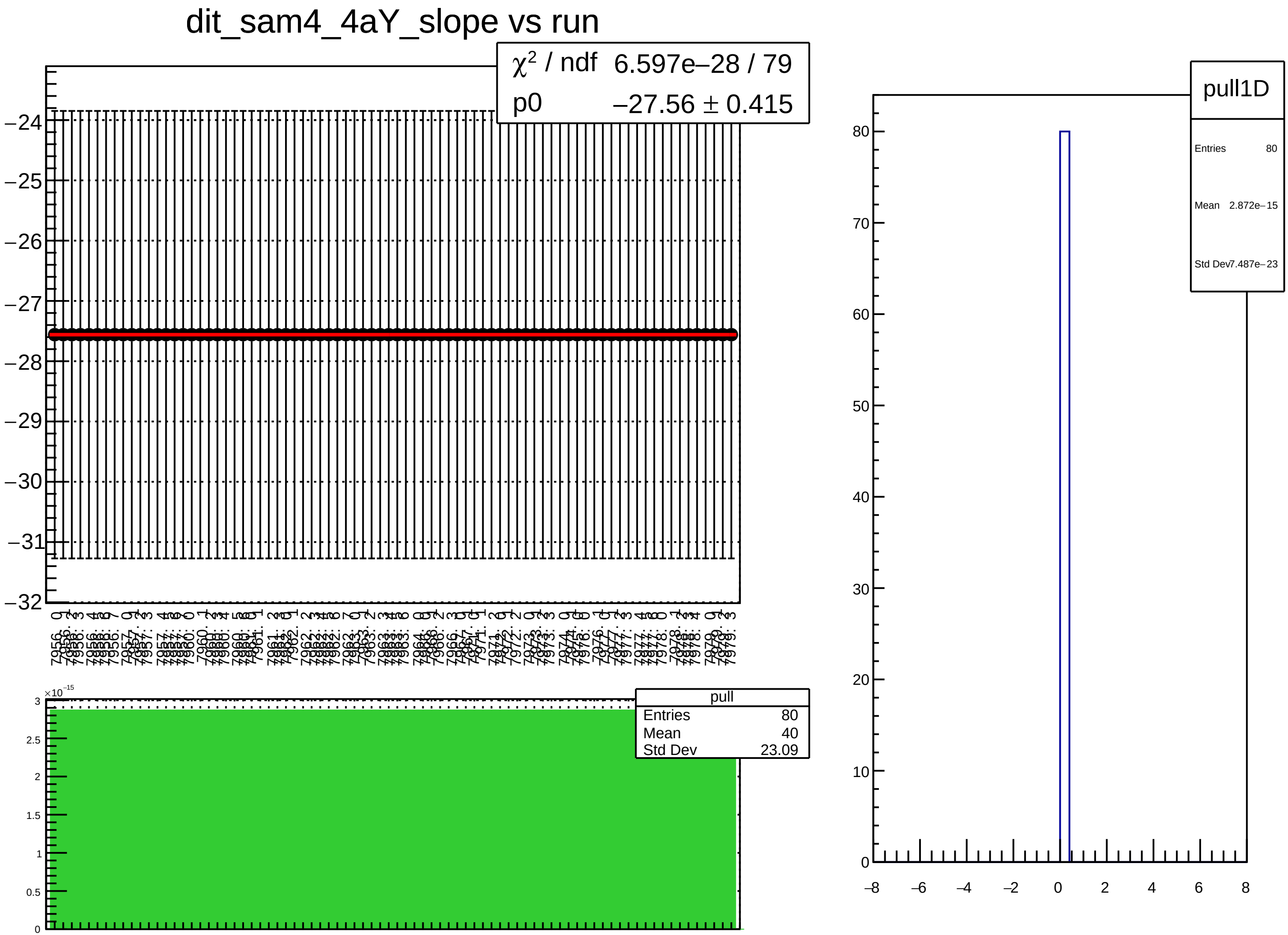


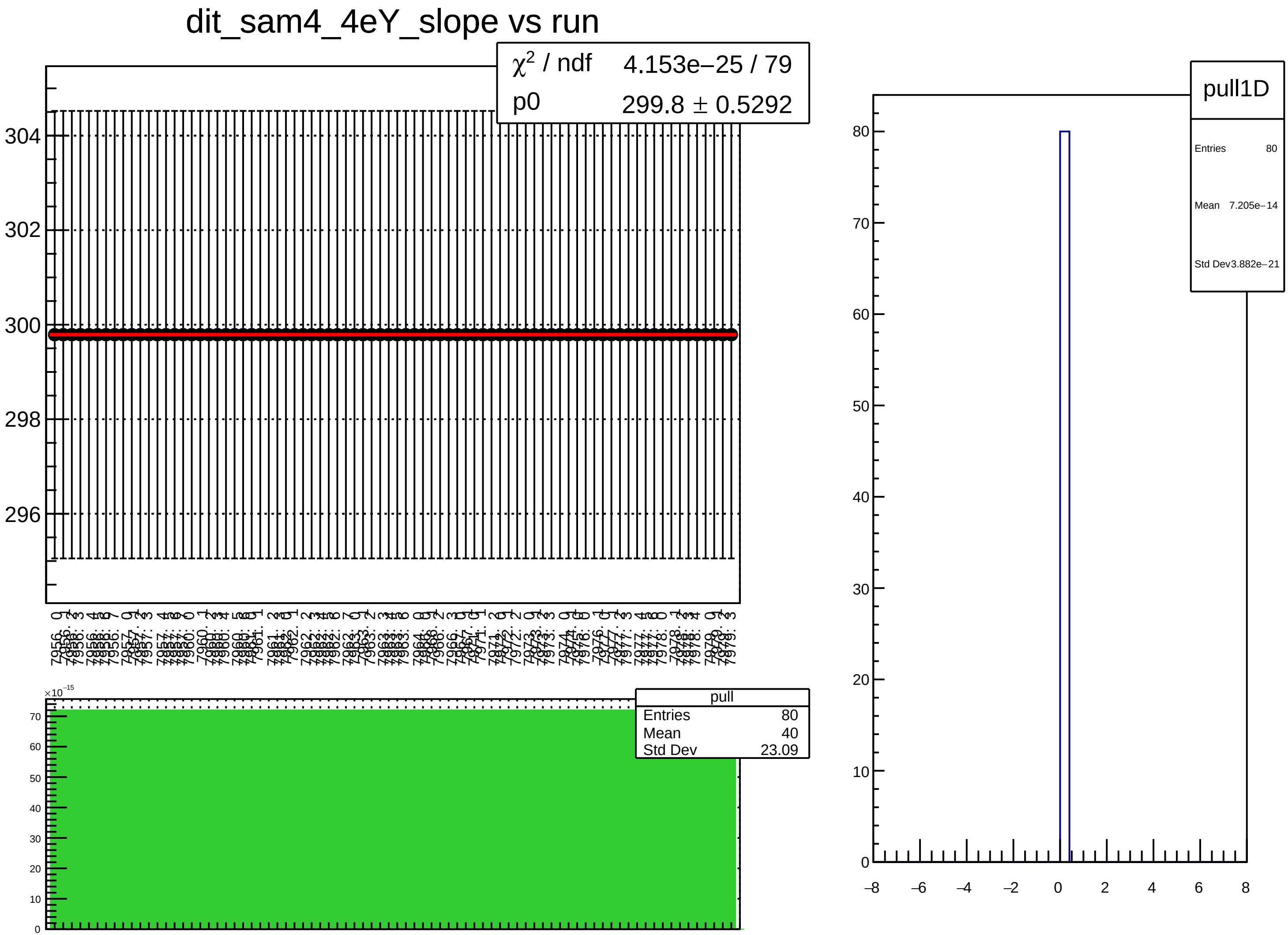
dit_sam4_4aX_slope vs run
χ2 / ndf 2.465e−29 / 79
p0 17.59 ± 0.7156
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.55e−16
Std Dev 2.647e−23


dit_sam4_4eX_slope vs run
χ2 / ndf 6.719e−25 / 79
p0 −232.4 ± 0.6935
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.164e−14
Std Dev 2.679e−21

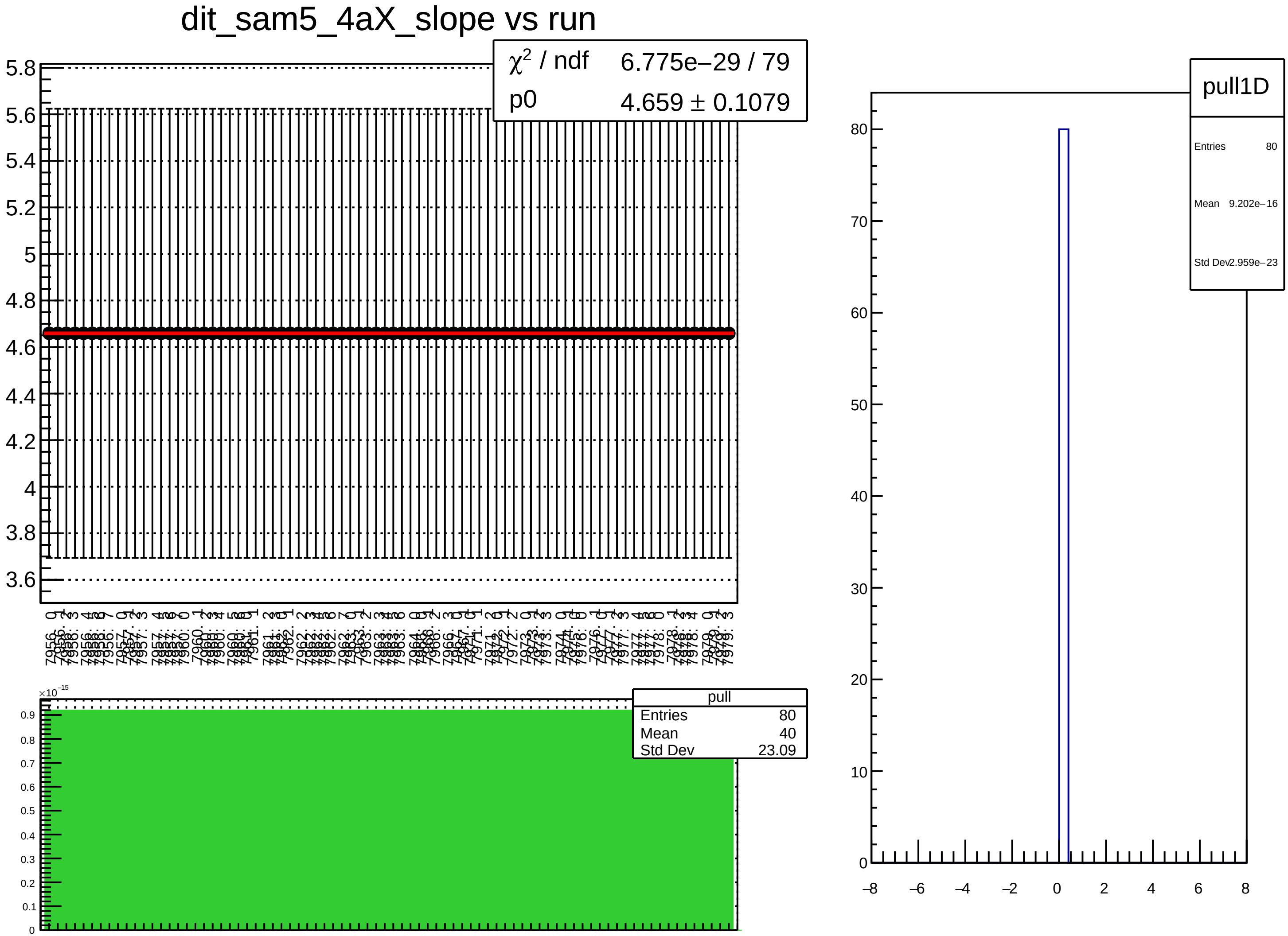


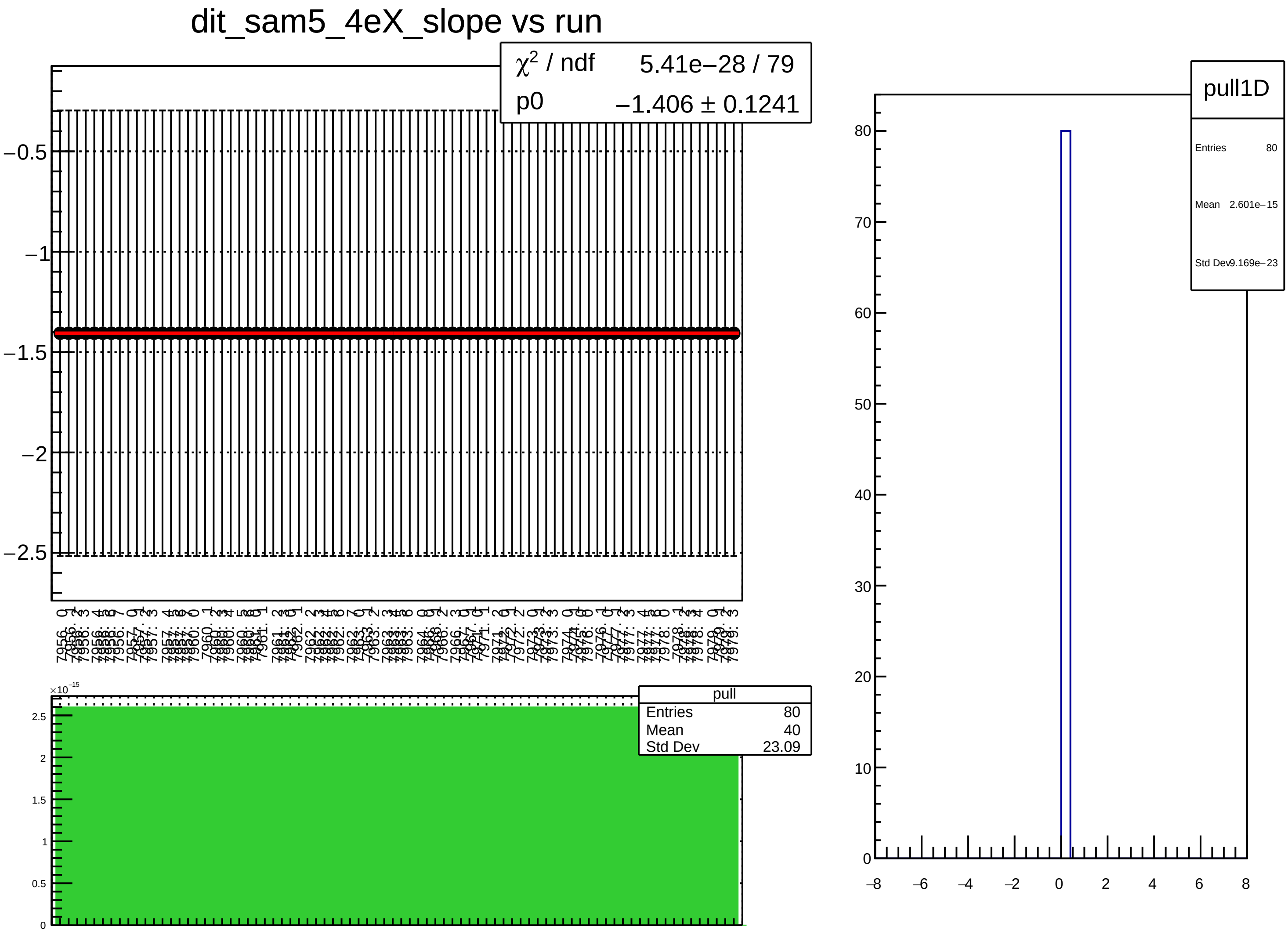
dit_sam4_11X12X_slope vs run
χ^2 / ndf 7.172e−28 / 79
p0 1.631 ± 0.07462
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.994e−15
Std Dev1.795e−22


dit_sam4_4aY_slope vs run
χ^2 / ndf 6.597e−28 / 79
p0 −27.56 ± 0.415
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.872e−15
Std Dev 7.487e−23

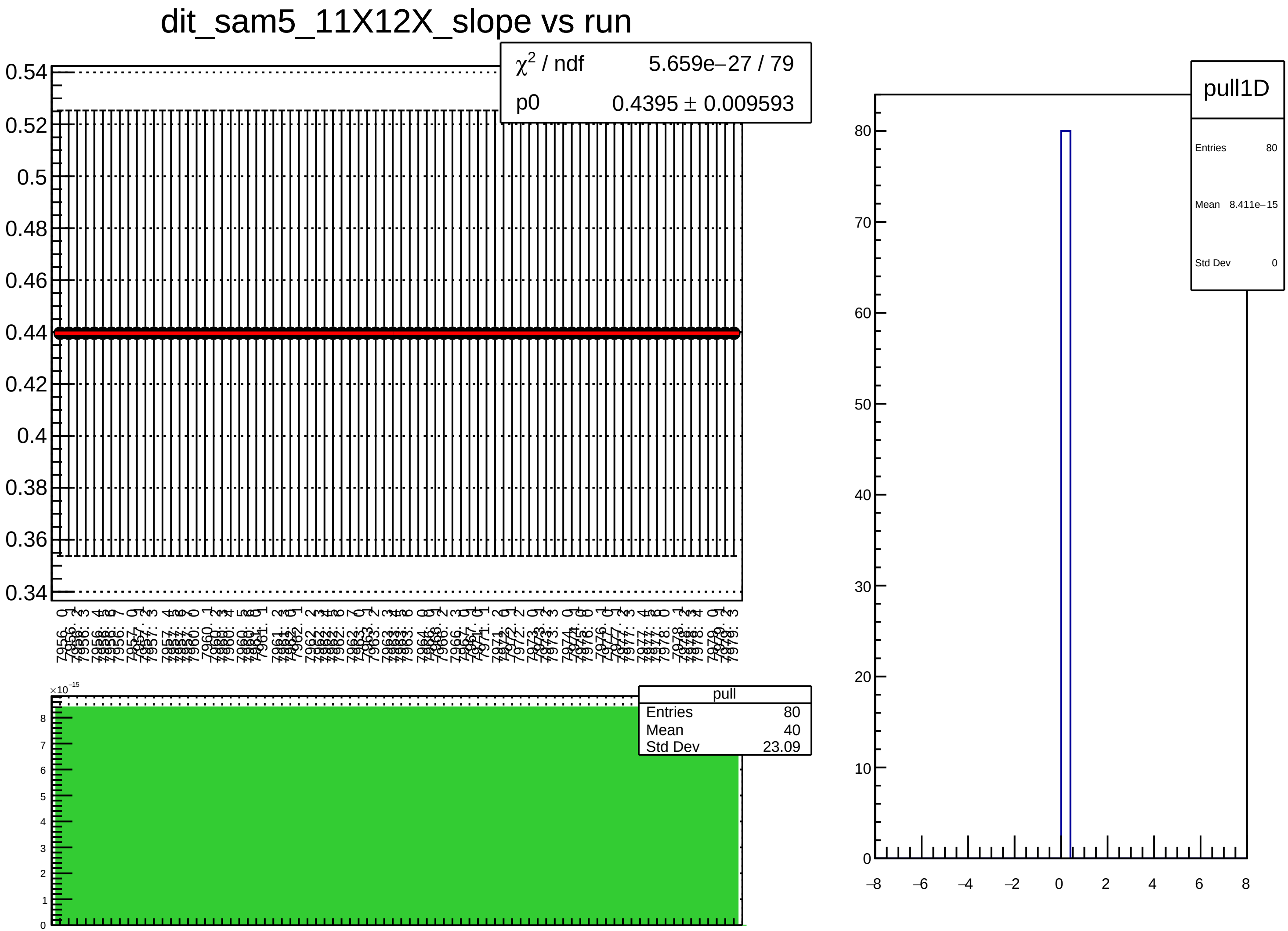


dit_sam4_4eY_slope vs run
χ2 / ndf 4.153e−25 / 79
p0 299.8 ± 0.5292
pull1D
Entries 80
Mean 7.205e−14
Std Dev 3.882e−21
pull
Entries 80
Mean 40
Std Dev 23.09

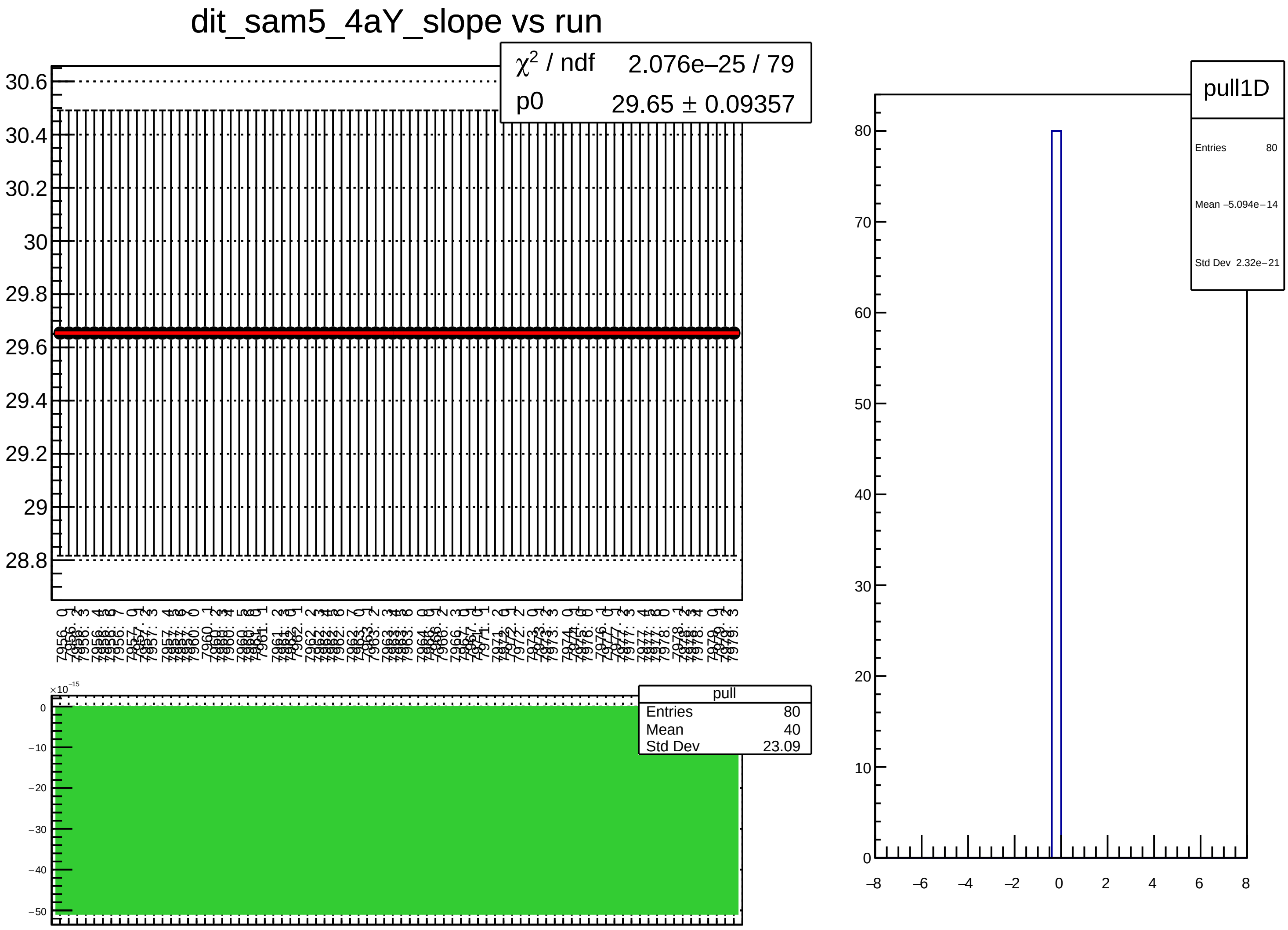

dit_sam5_4aX_slope vs run
χ^2 / ndf 6.775e−29 / 79
p0 4.659 ± 0.1079
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.202e−16
Std Dev2.959e−23

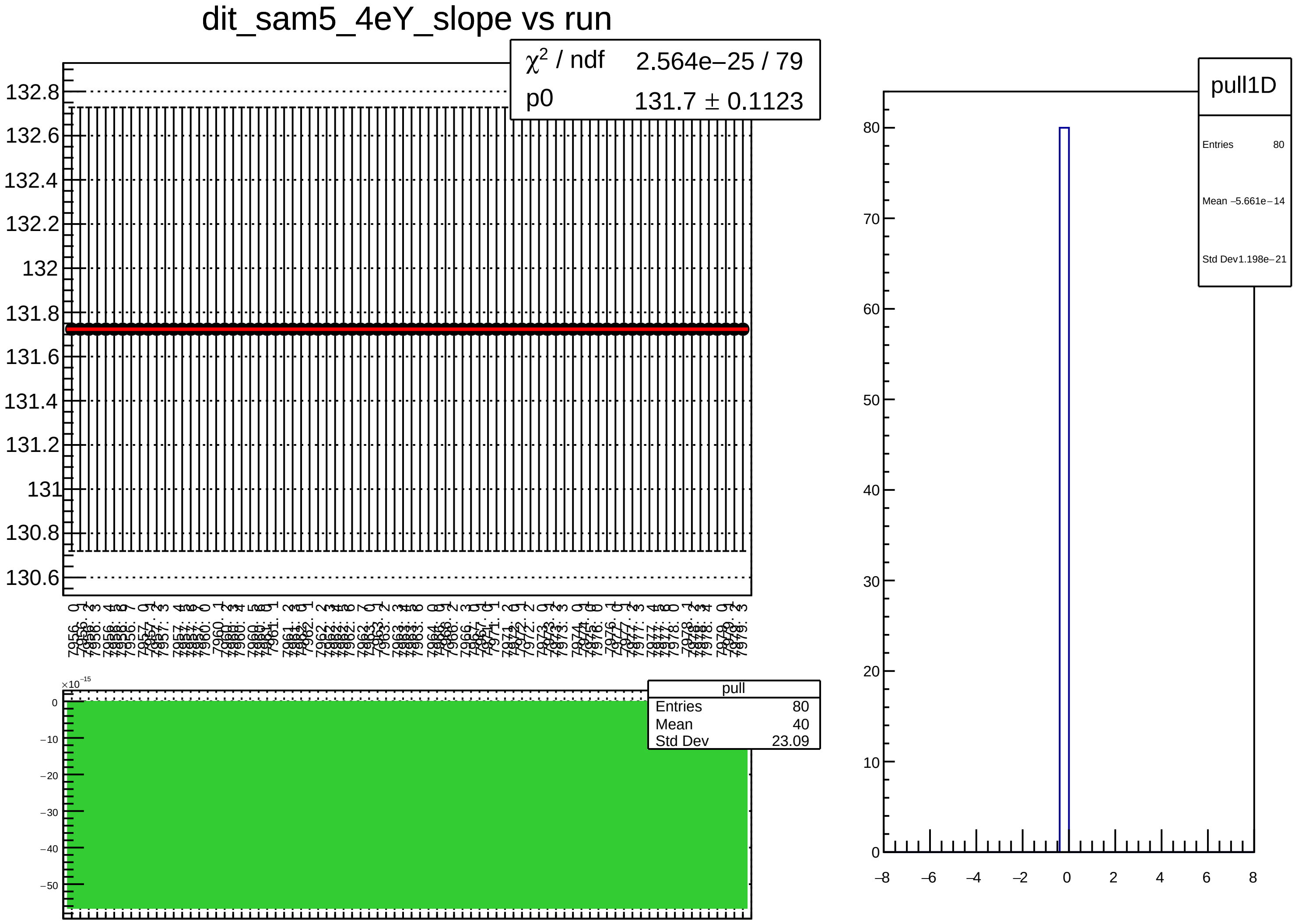


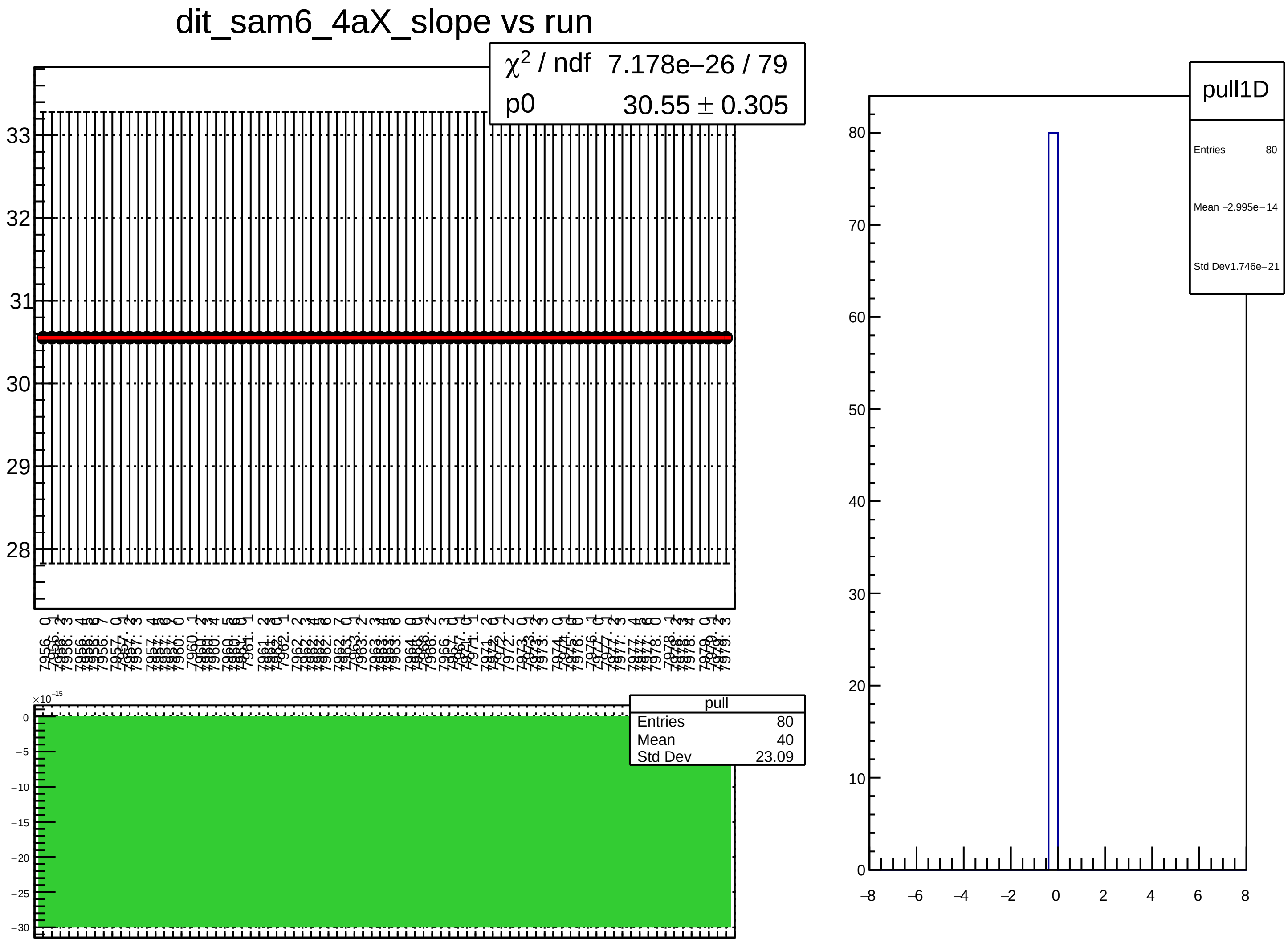
dit_sam5_4eX_slope vs run
χ^2 / ndf 5.41e−28 / 79
p0 −1.406 ± 0.1241
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.601e−15
Std Dev 9.169e−23



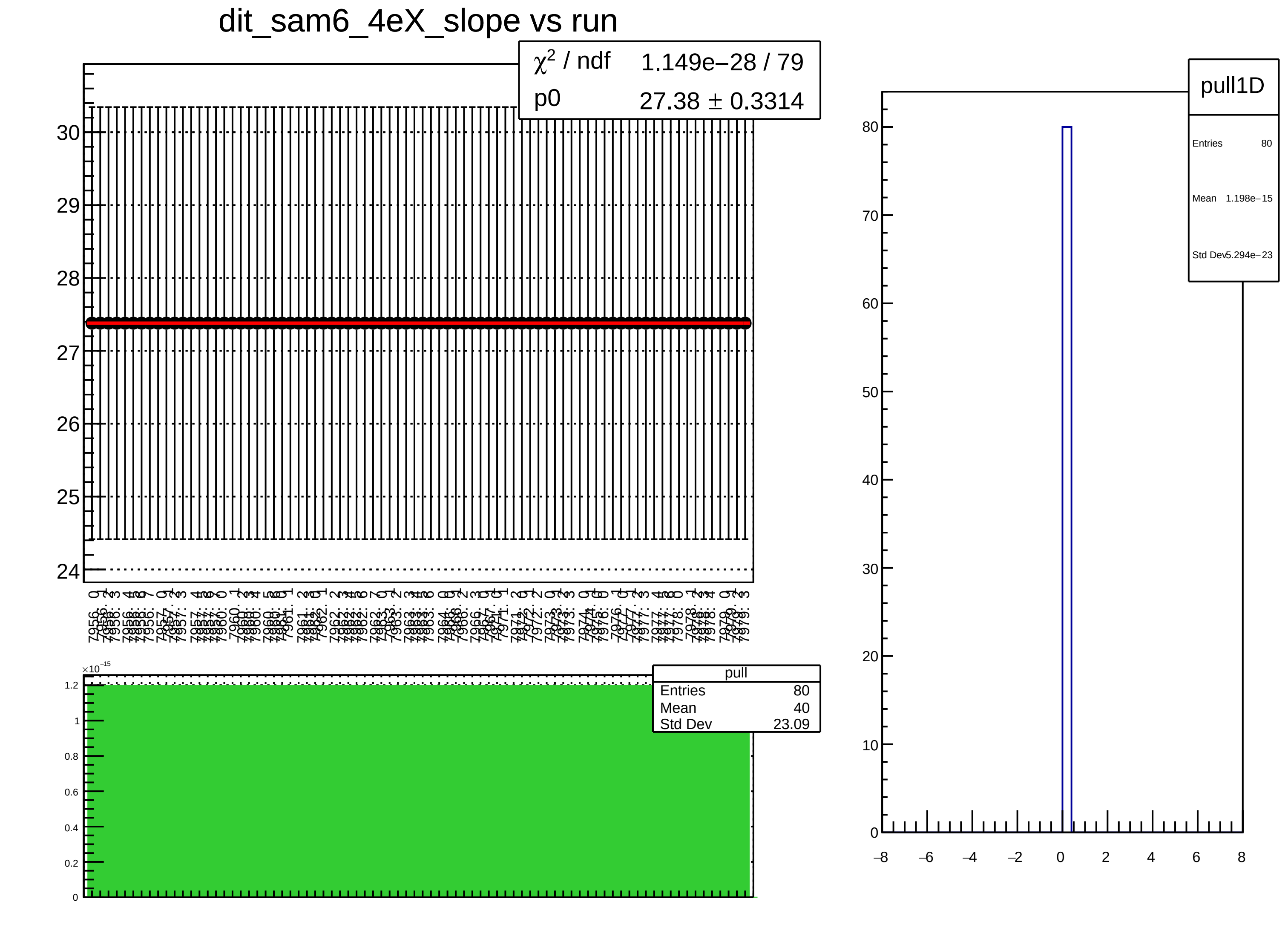
dit_sam5_11X12X_slope vs run
χ^2 / ndf 5.659e−27 / 79
p0 0.4395 ± 0.009593
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.411e−15
Std Dev 0


dit_sam5_4aY_slope vs run
χ2 / ndf 2.076e−25 / 79
p0 29.65 ± 0.09357
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.094e−14
Std Dev 2.32e−21

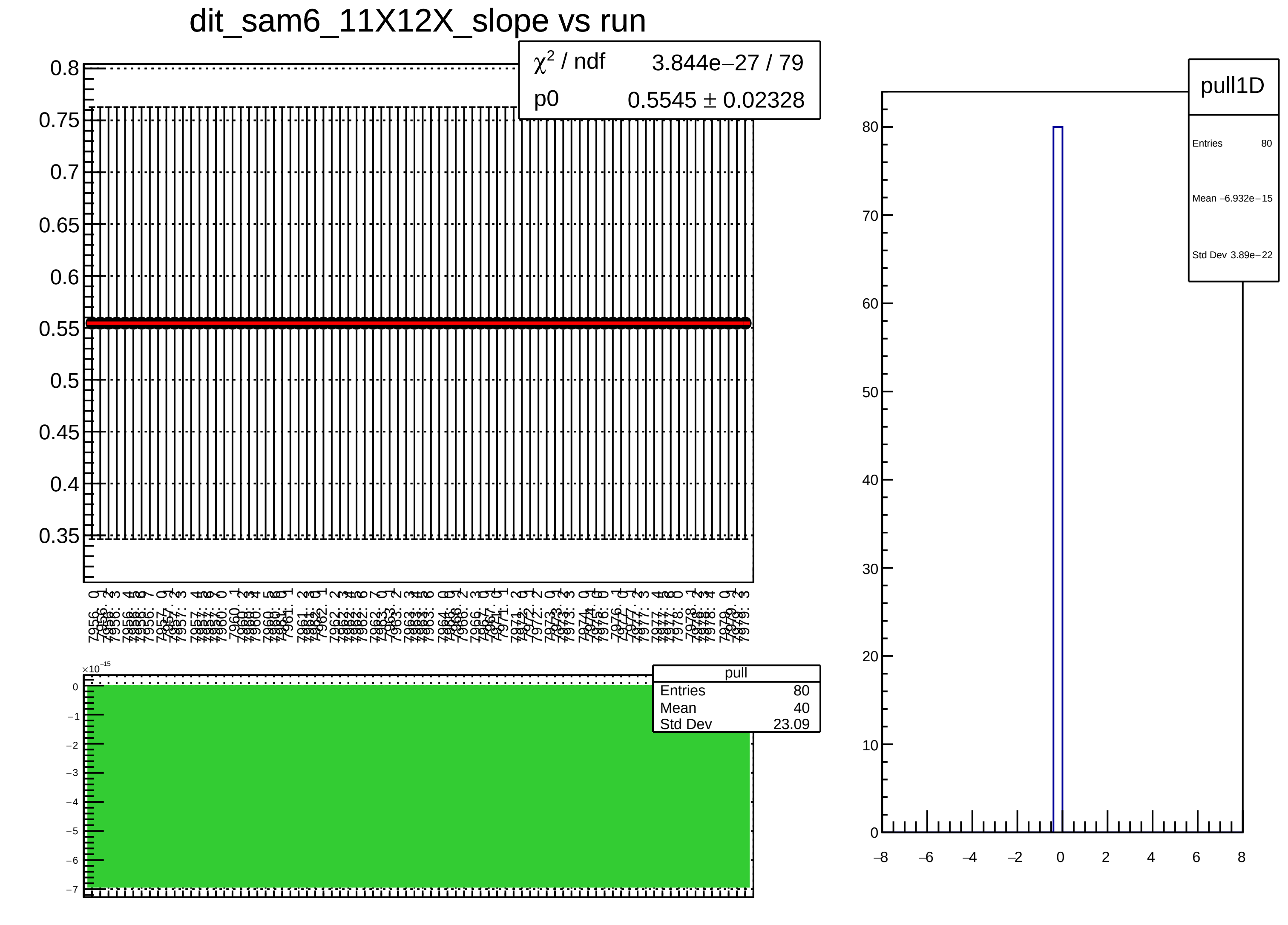

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.564e−25 / 79
p0 131.7 ± 0.1123
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.661e−14
Std Dev1.198e−21



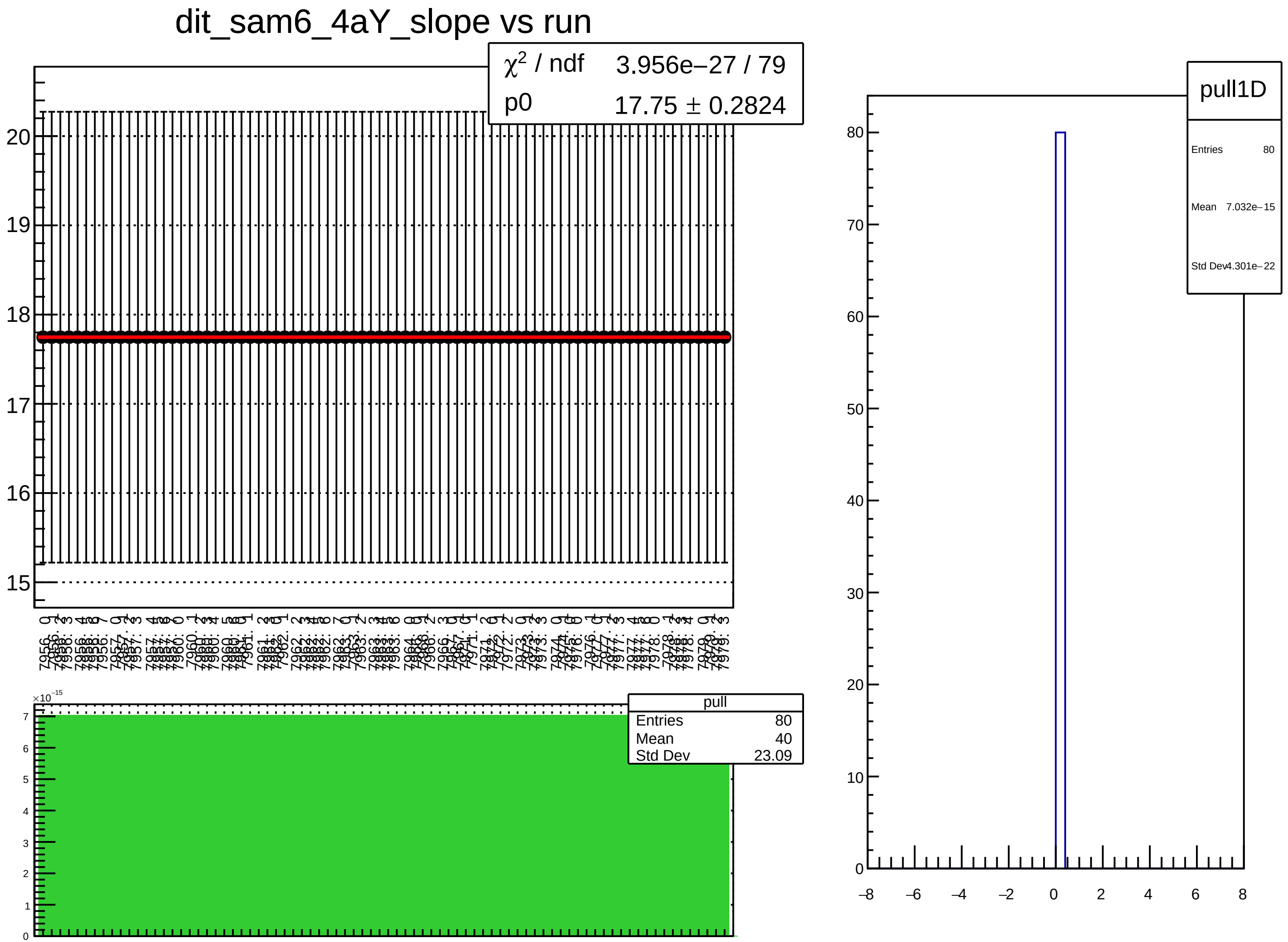
dit_sam6_4aX_slope vs run
χ^2 / ndf 7.178e−26 / 79
p0 30.55 ± 0.305
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.995e−14
Std Dev 1.746e−21



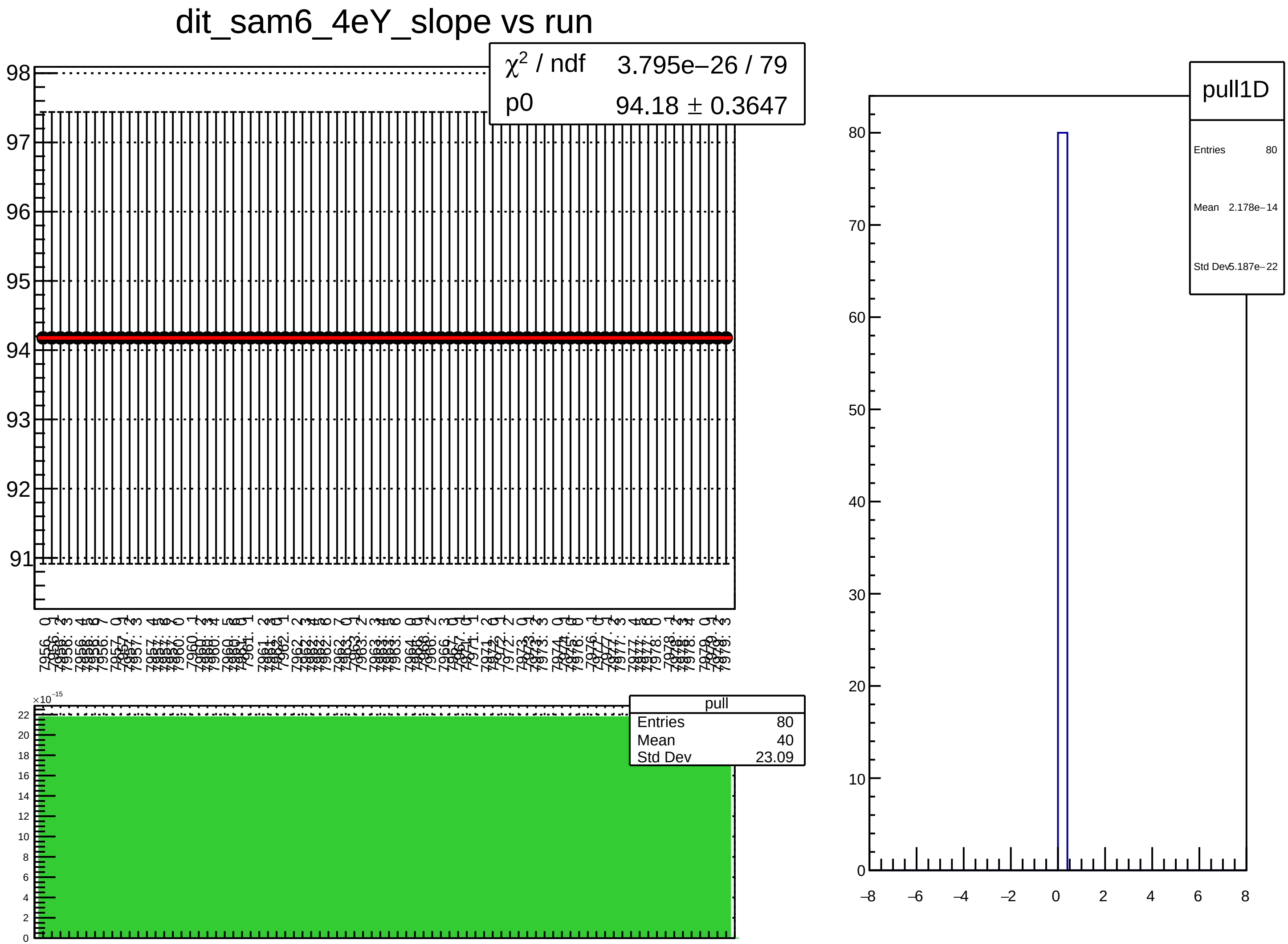
dit_sam6_4eX_slope vs run
χ2 / ndf 1.149e−28 / 79
p0 27.38 ± 0.3314
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.198e−15
Std Dev 5.294e−23

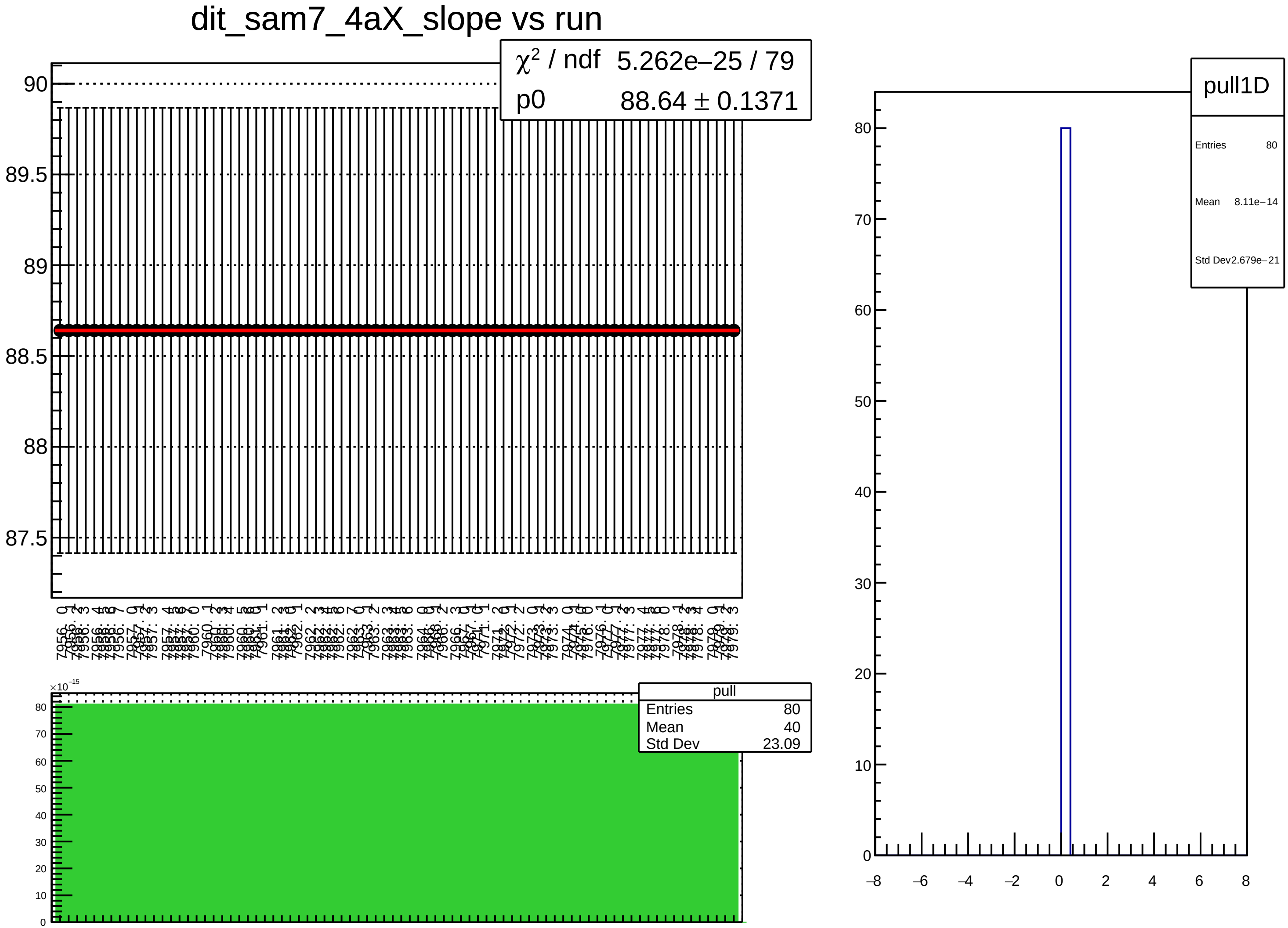


dit_sam6_11X12X_slope vs run
χ^2 / ndf 3.844e−27 / 79
p0 0.5545 ± 0.02328
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −6.932e−15
Std Dev 3.89e−22

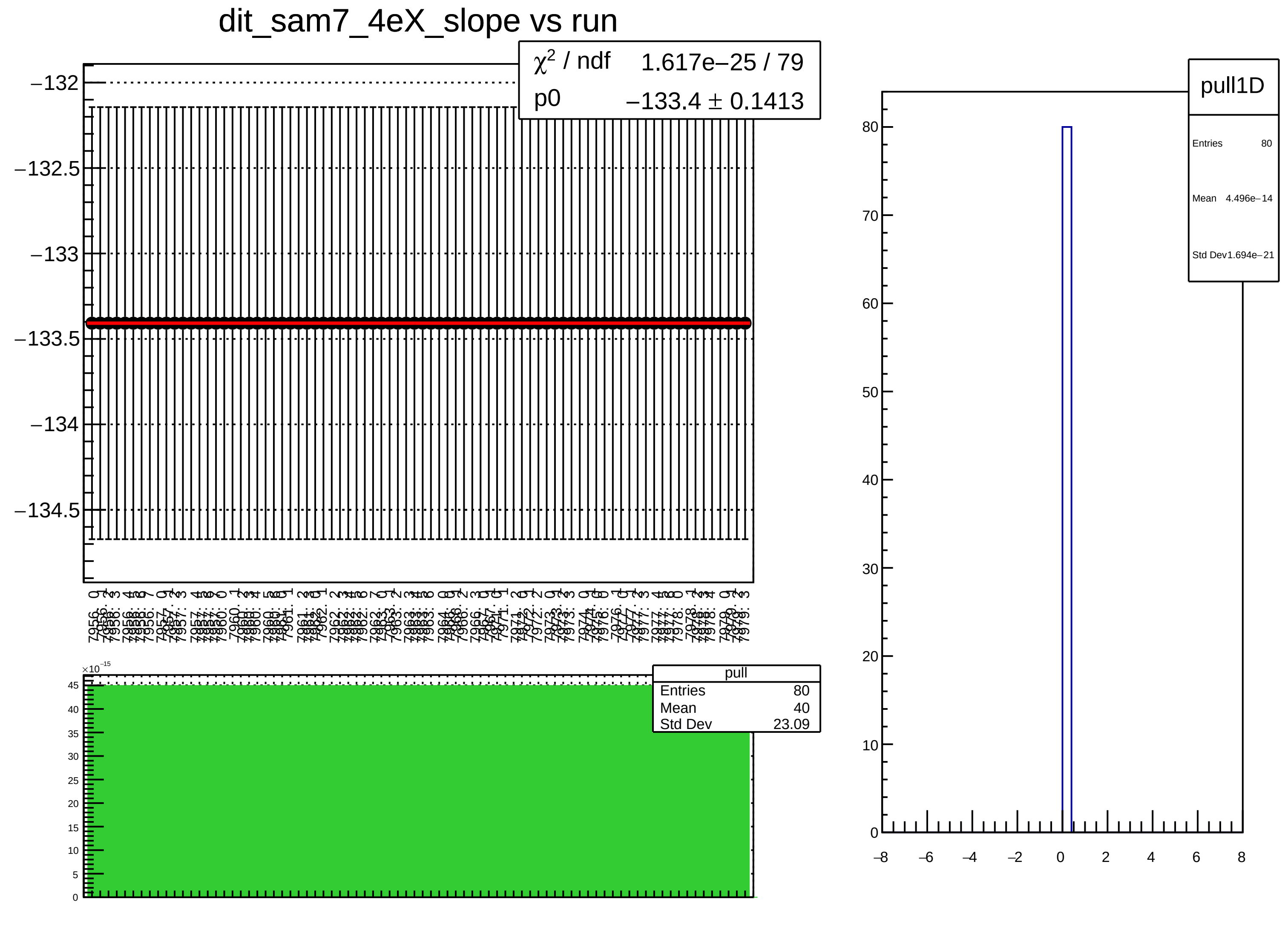


dit_sam6_4aY_slope vs run
χ2 / ndf 3.956e−27 / 79
p0 17.75 ± 0.2824
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 7.032e−15
Std Dev4.301e−22

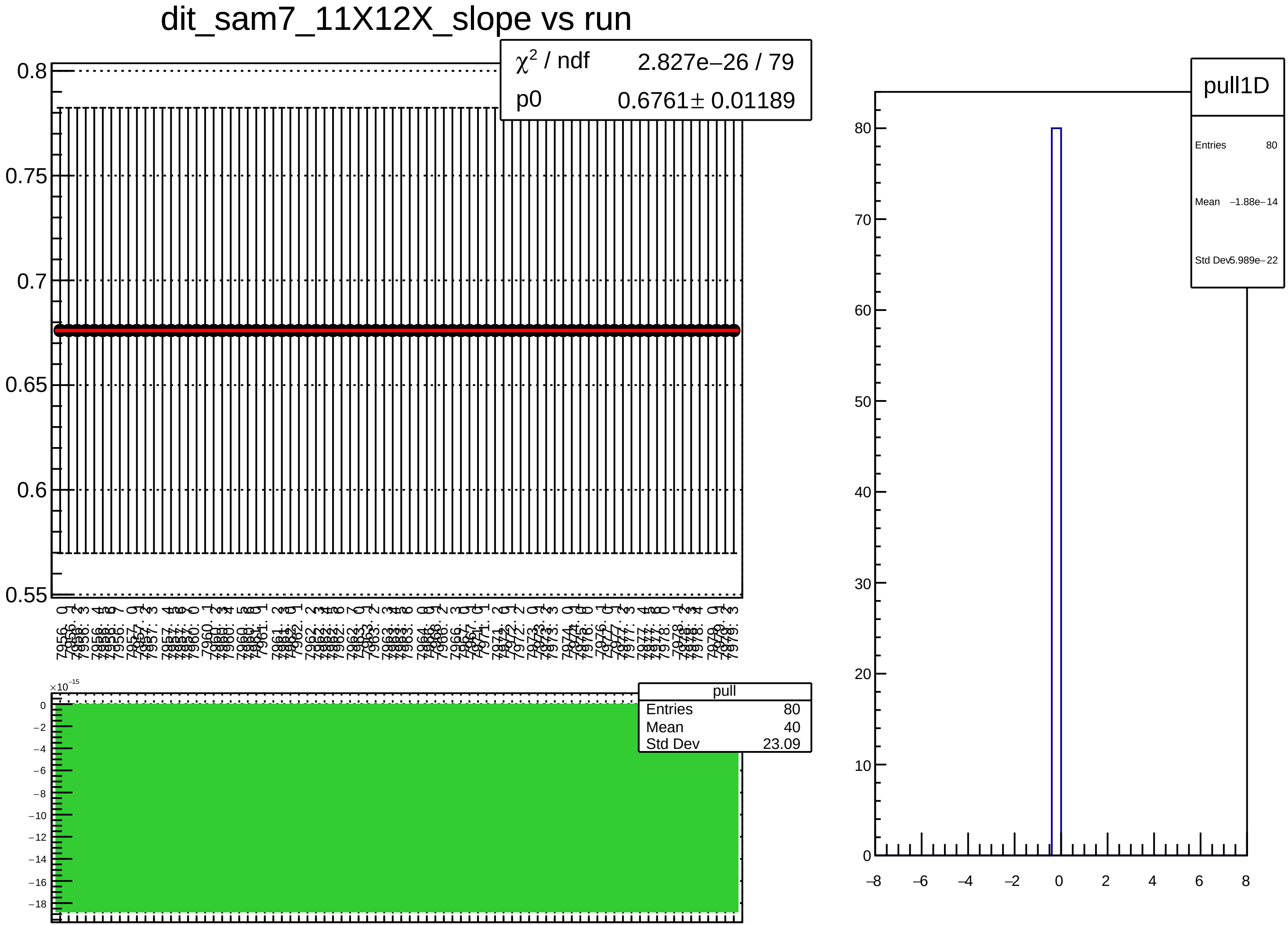

dit_sam6_4eY_slope vs run
χ2 / ndf 3.795e−26 / 79
p0 94.18 ± 0.3647
pull
Entries 80
Mean 40
Std Dev 23.09
×10−15
pull1D
Entries 80
Mean 2.178e−14
Std Dev 5.187e−22



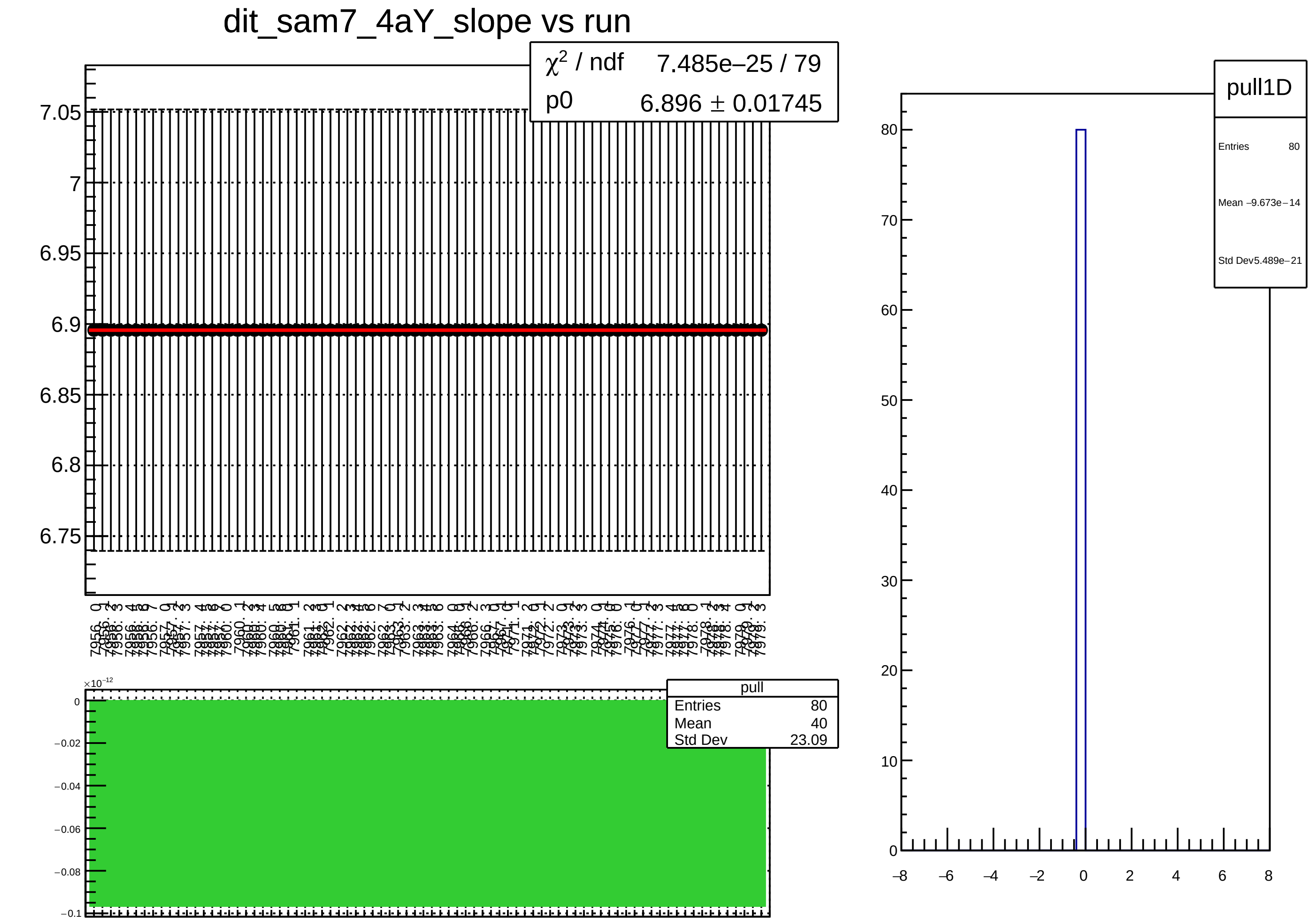
dit_sam7_4aX_slope vs run
χ^2 / ndf 5.262e−25 / 79
p0 88.64 ± 0.1371
90
89.5
89
88.5
88
87.5
×10⁻¹⁵
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 8.11e−14
Std Dev 2.679e−21



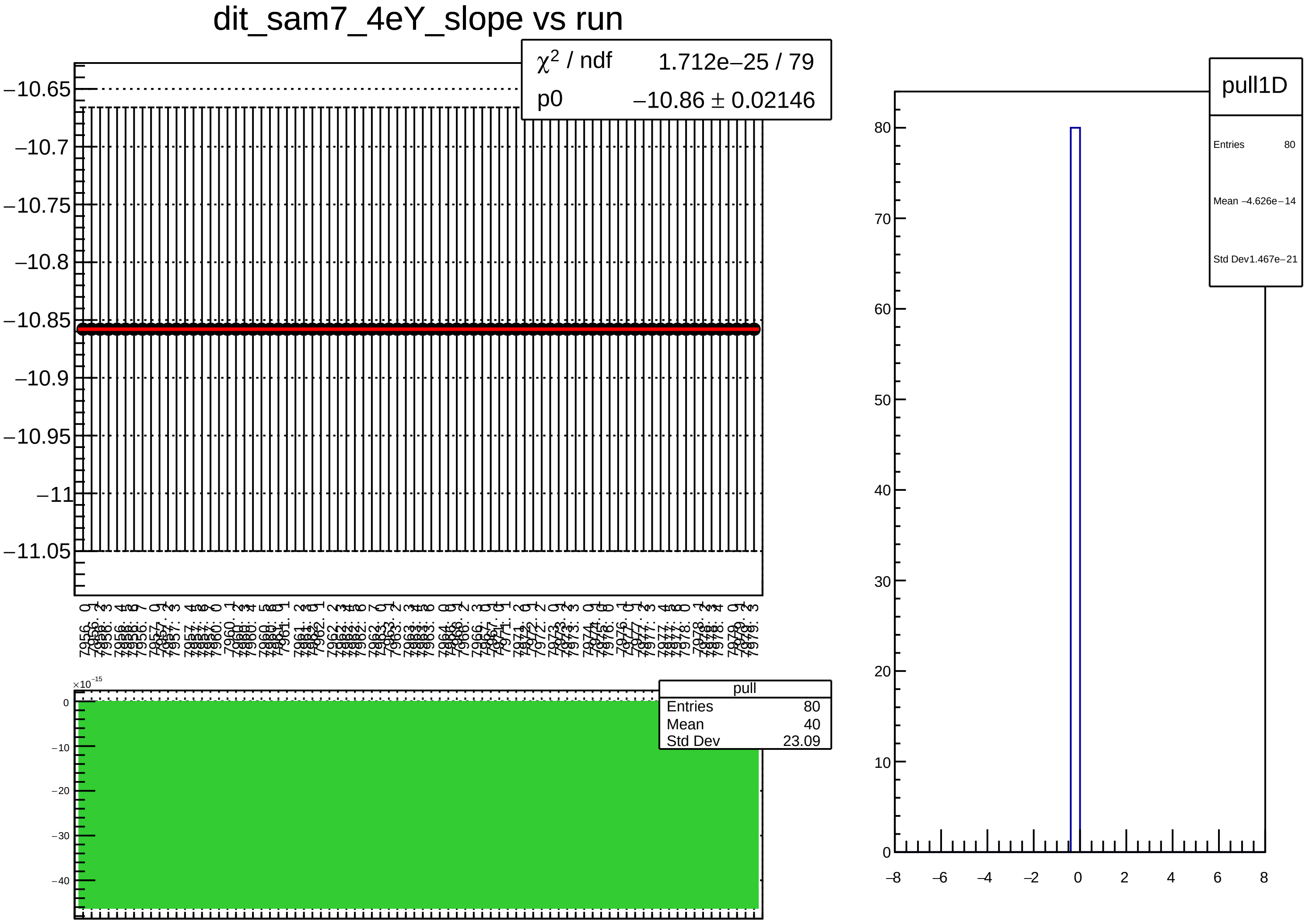
dit_sam7_4eX_slope vs run
χ2 / ndf 1.617e−25 / 79
p0 −133.4 ± 0.1413
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.496e−14
Std Dev1.694e−21



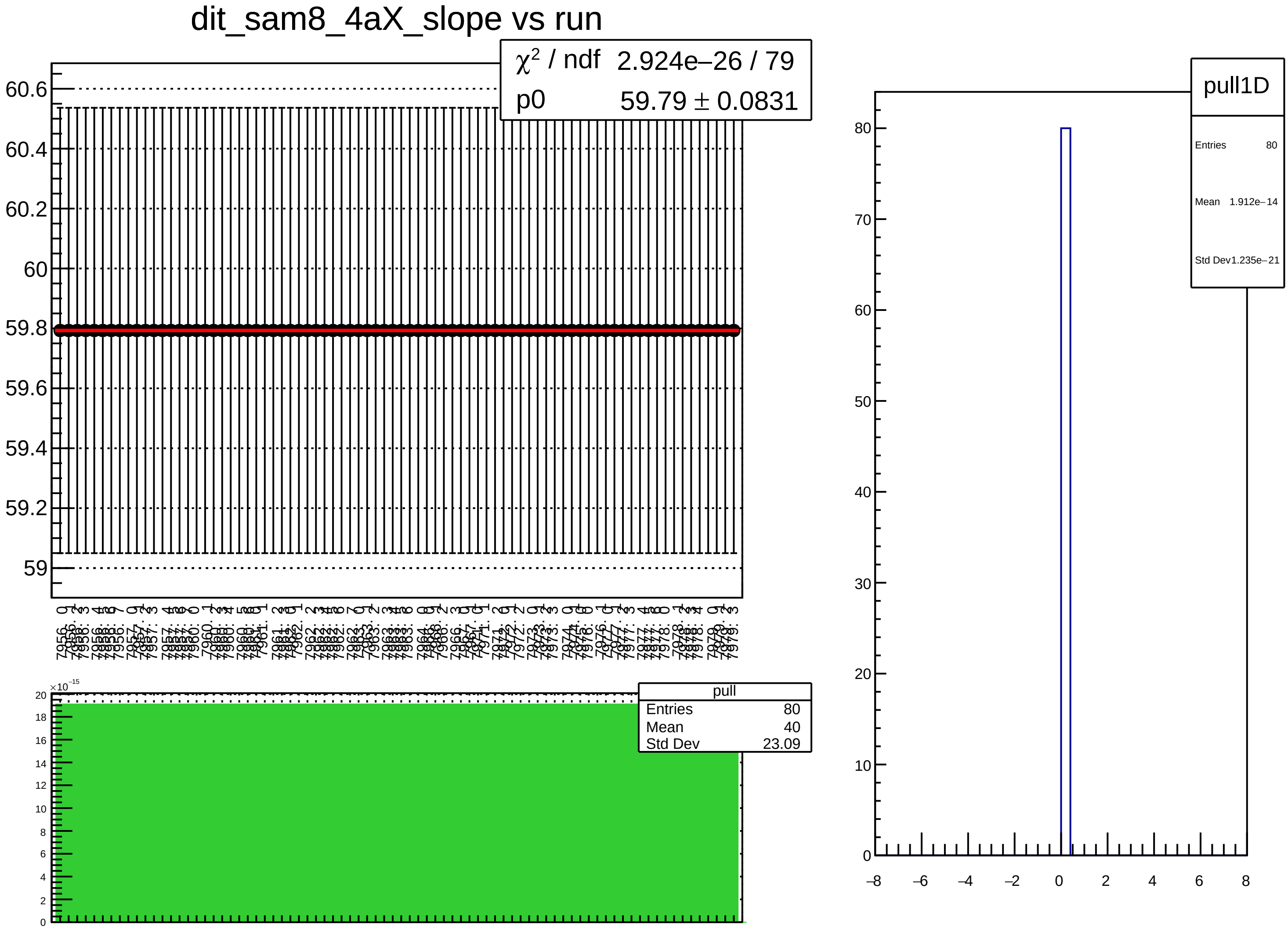
dit_sam7_11X12X_slope vs run
χ2 / ndf 2.827e−26 / 79
p0 0.6761± 0.01189
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.88e−14
Std Dev 5.989e−22



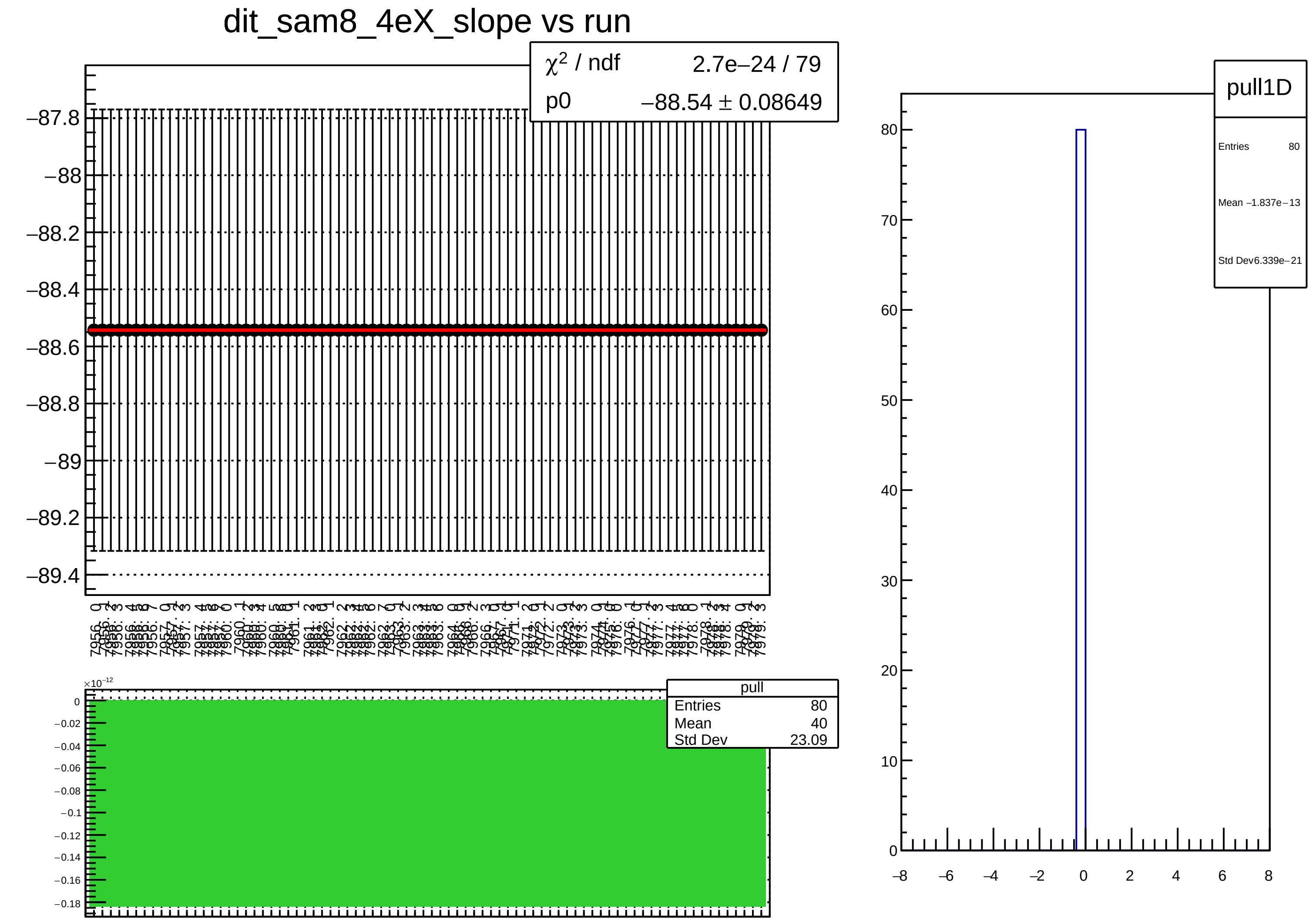
dit_sam7_4aY_slope vs run
χ^2 / ndf 7.485e−25 / 79
p0 6.896 ± 0.01745
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −9.673e−14
Std Dev 5.489e−21



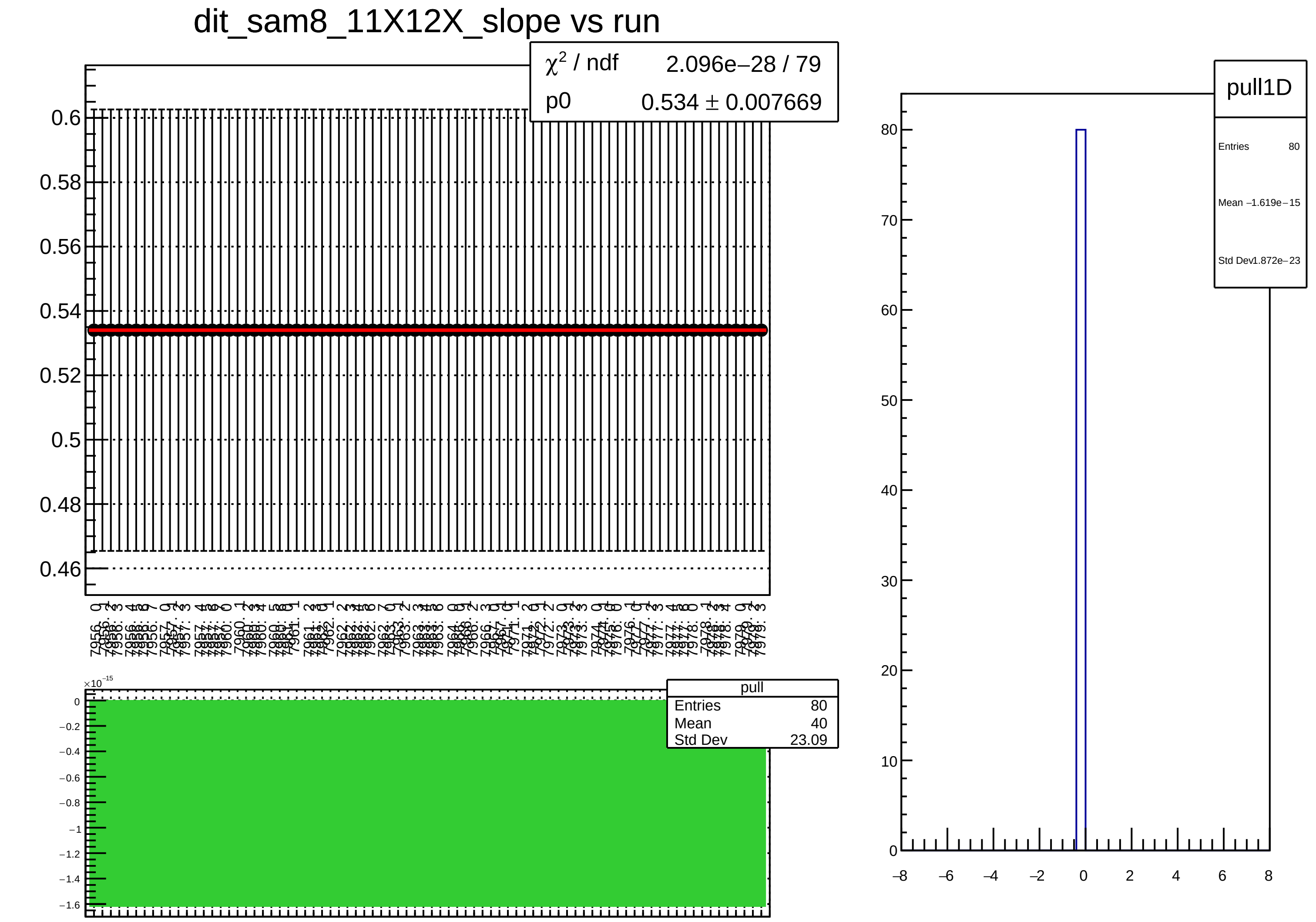
dit_sam7_4eY_slope vs run
χ2 / ndf 1.712e−25 / 79
p0 −10.86 ± 0.02146
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −4.626e−14
Std Dev 1.467e−21

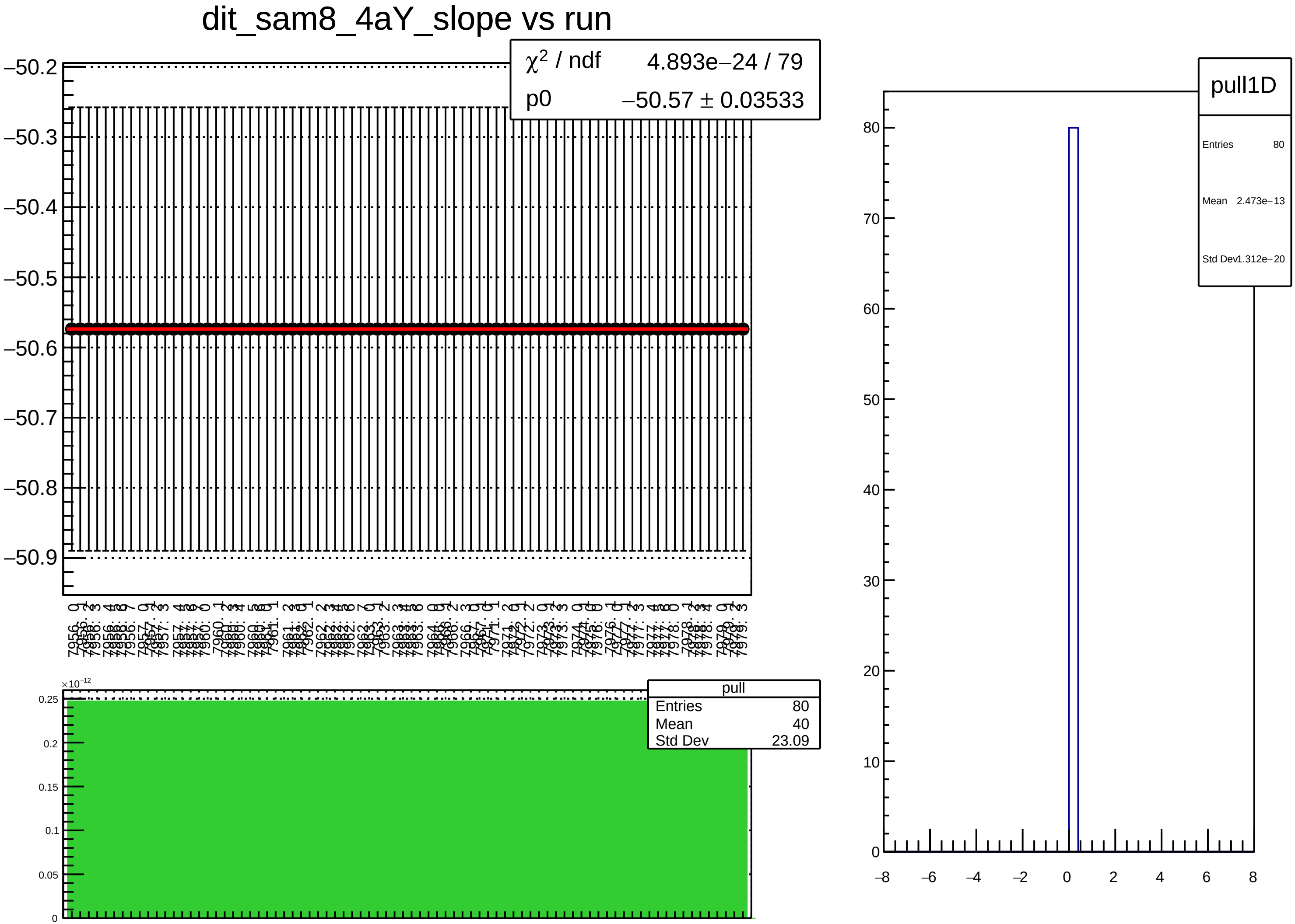


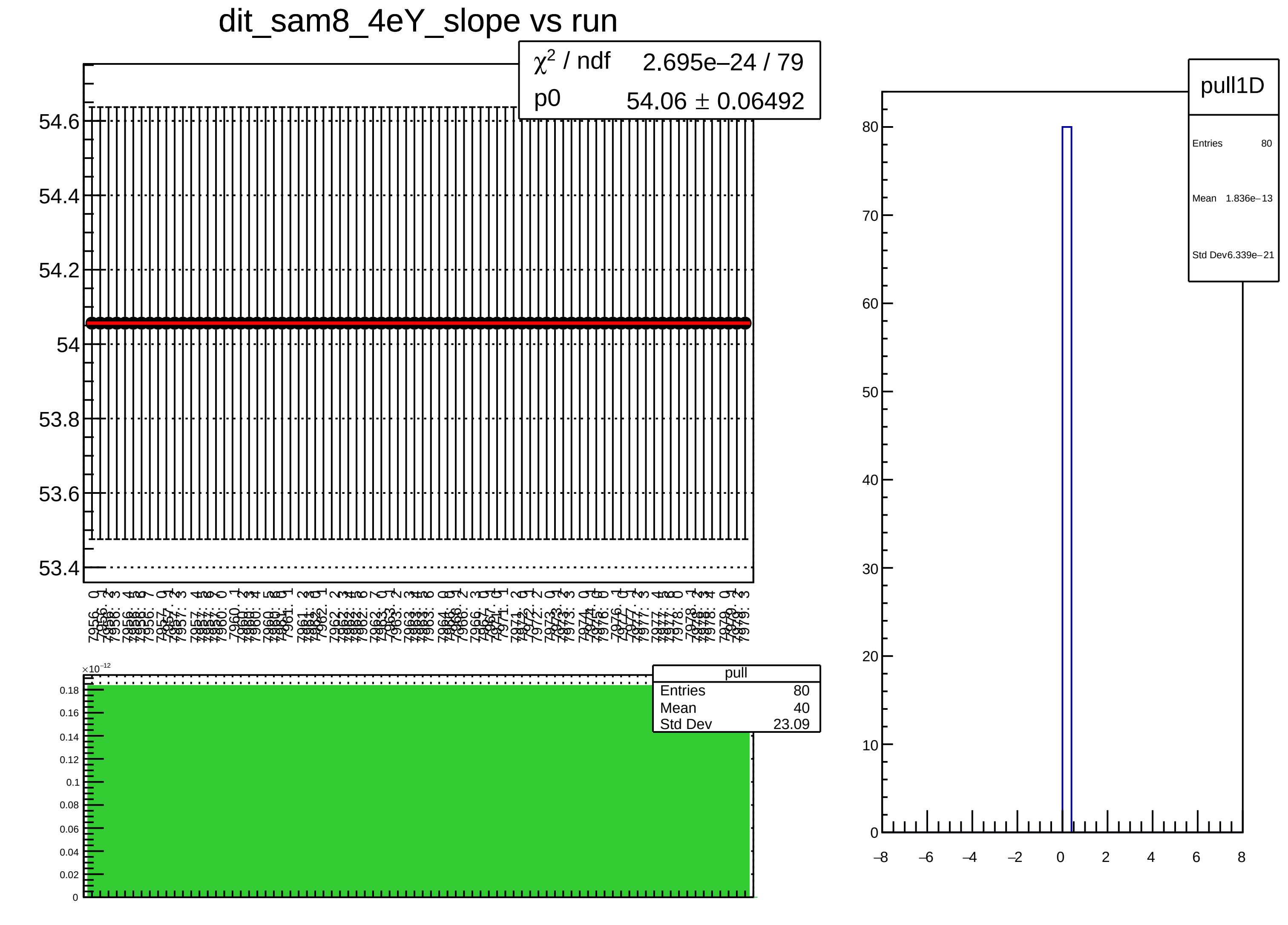
dit_sam8_4aX_slope vs run
χ^2 / ndf 2.924e−26 / 79
p0 59.79 ± 0.0831
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.912e−14
Std Dev 1.235e−21

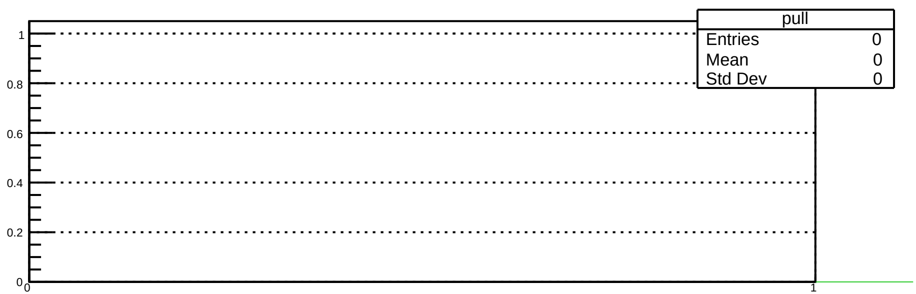


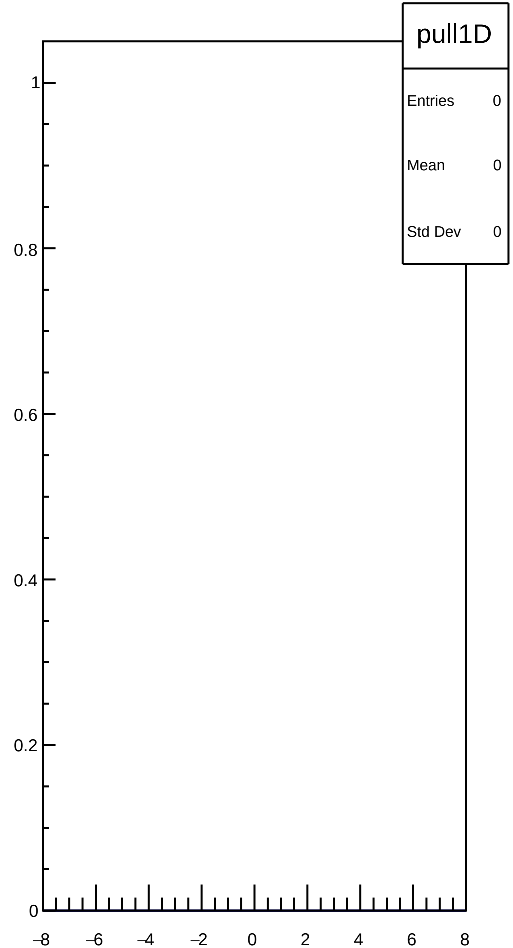
dit_sam8_4eX_slope vs run
χ2 / ndf 2.7e−24 / 79
p0 −88.54 ± 0.08649
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.837e−13
Std Dev 6.339e−21

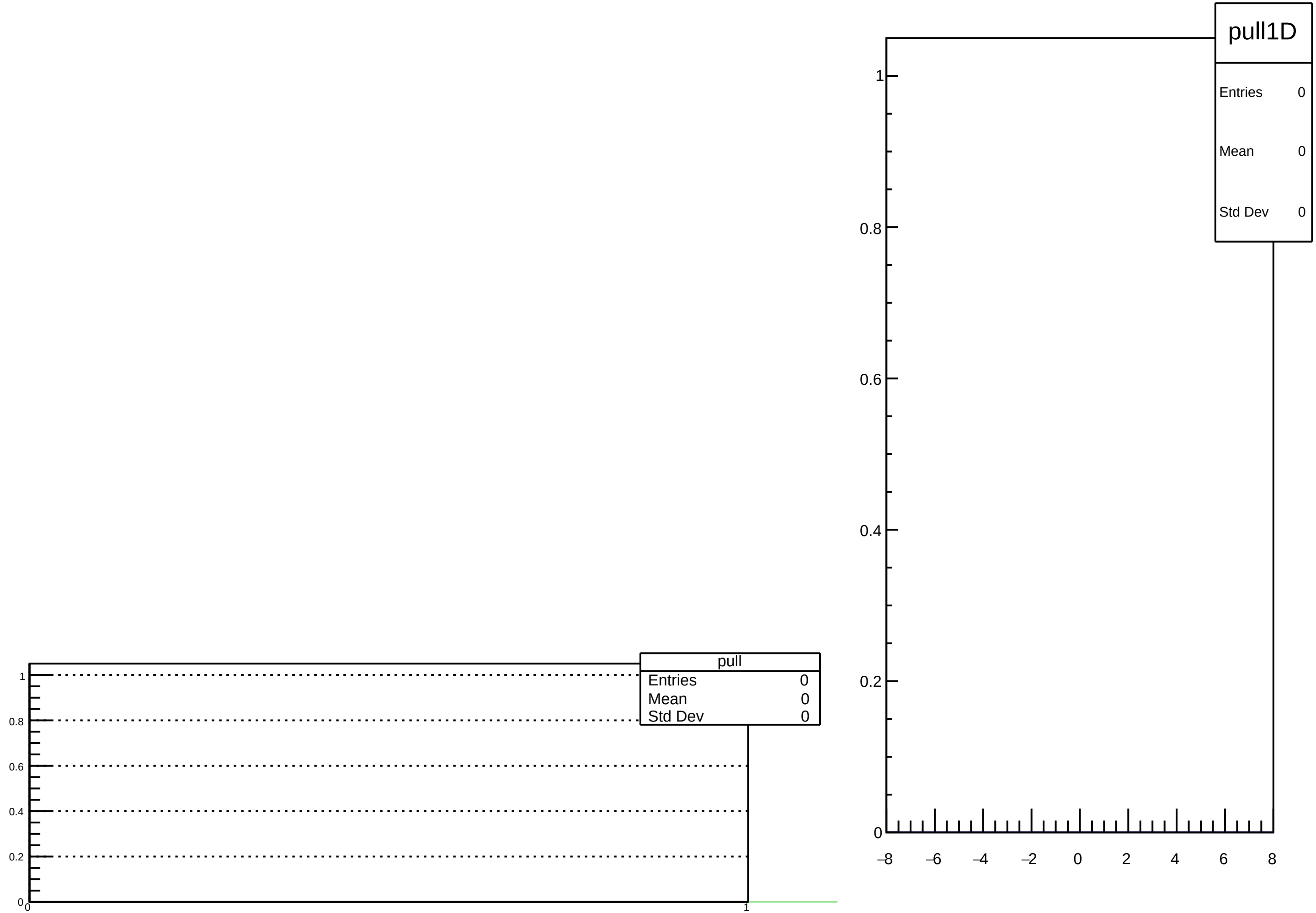

dit_sam8_11X12X_slope vs run
χ^2 / ndf 2.096e−28 / 79
p0 0.534 ± 0.007669
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.619e−15
Std Dev 1.872e−23


dit_sam8_4aY_slope vs run
χ2 / ndf 4.893e−24 / 79
p0 −50.57 ± 0.03533
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.473e−13
Std Dev 1.312e−20


dit_sam8_4eY_slope vs run
χ^2 / ndf 2.695e−24 / 79
p0 54.06 ± 0.06492
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.836e−13
Std Dev 6.339e−21


pull
Entries 0
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0


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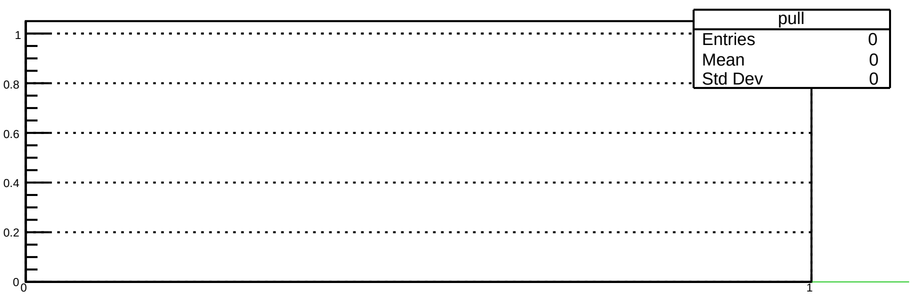
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8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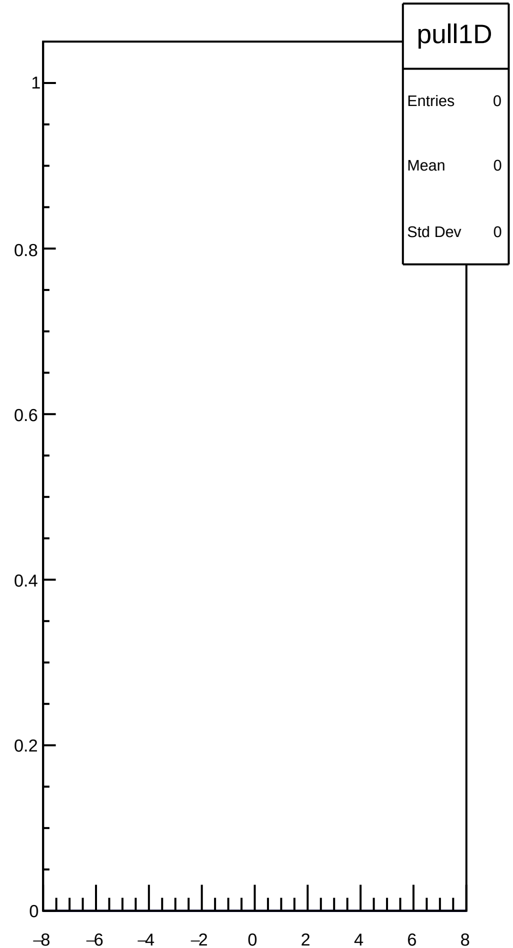
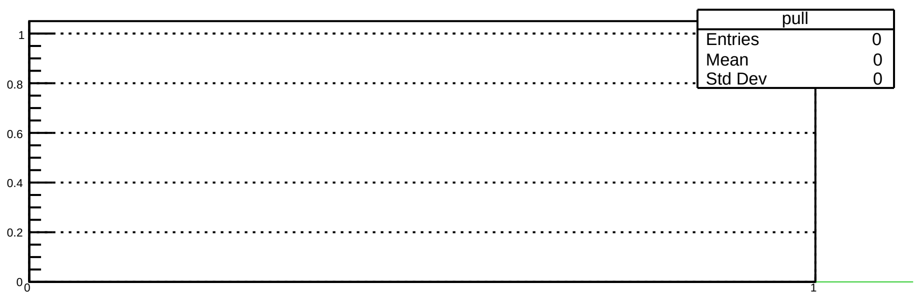
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0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Mean 0
Std Dev 0
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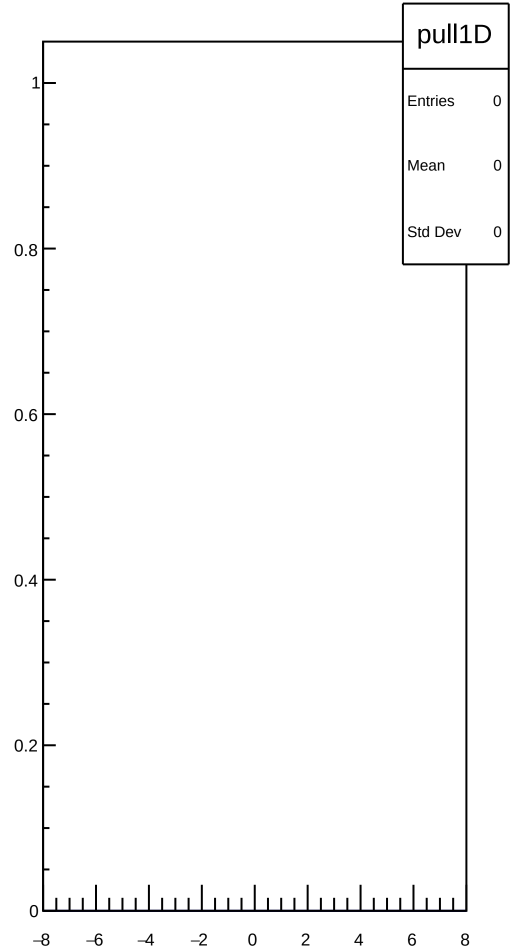
0.4
0.6
0.8
1
0
1


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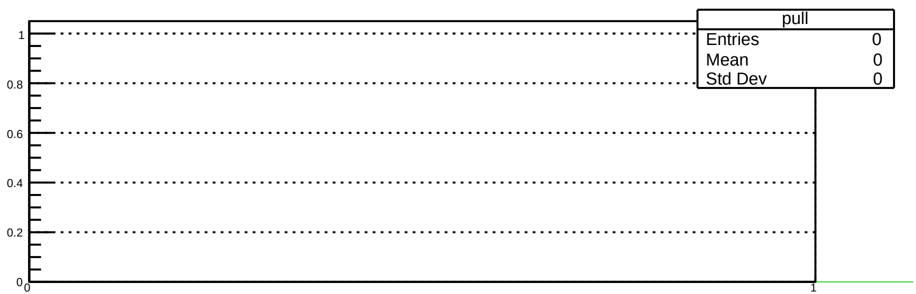
2
4
6
8


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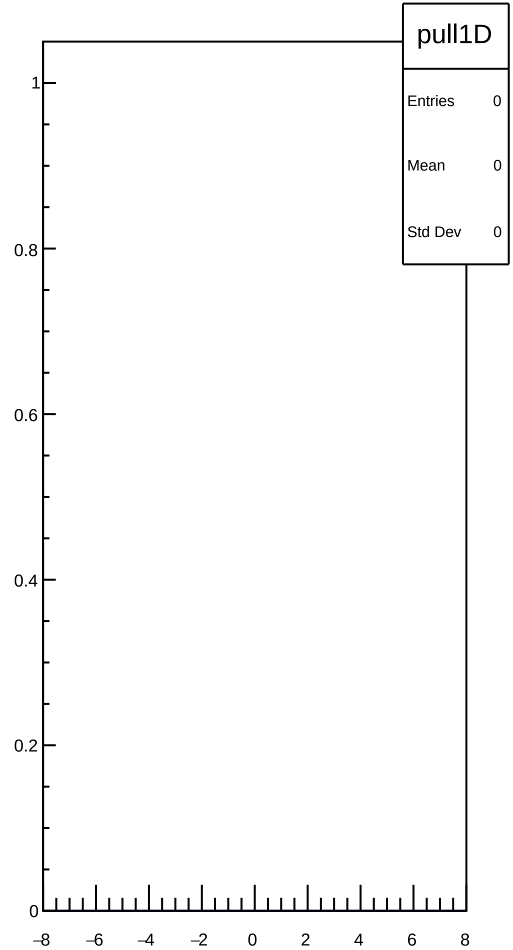
0.2
0.4
0.6
0.8
1
0
1


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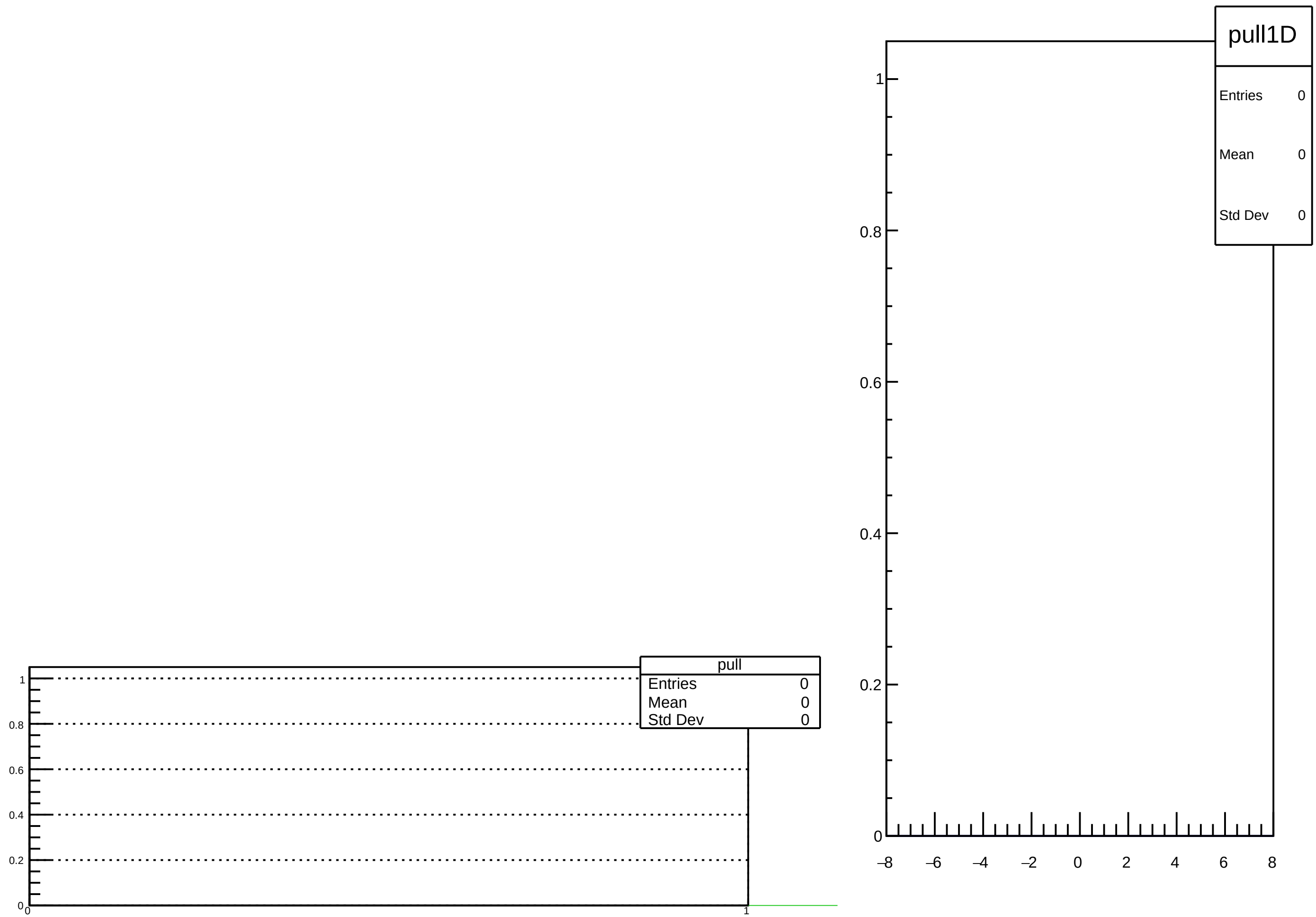
0
2
4
6
8


pull
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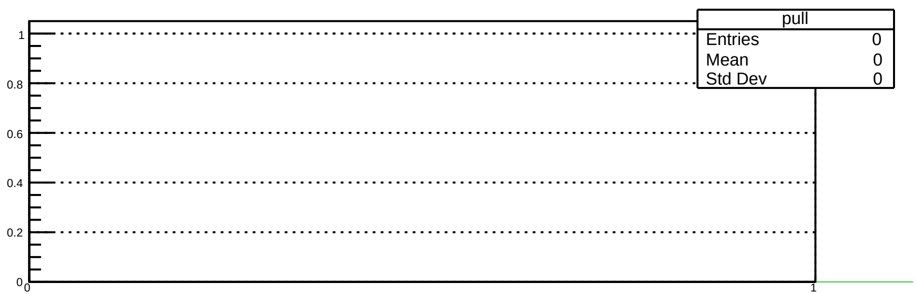
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0


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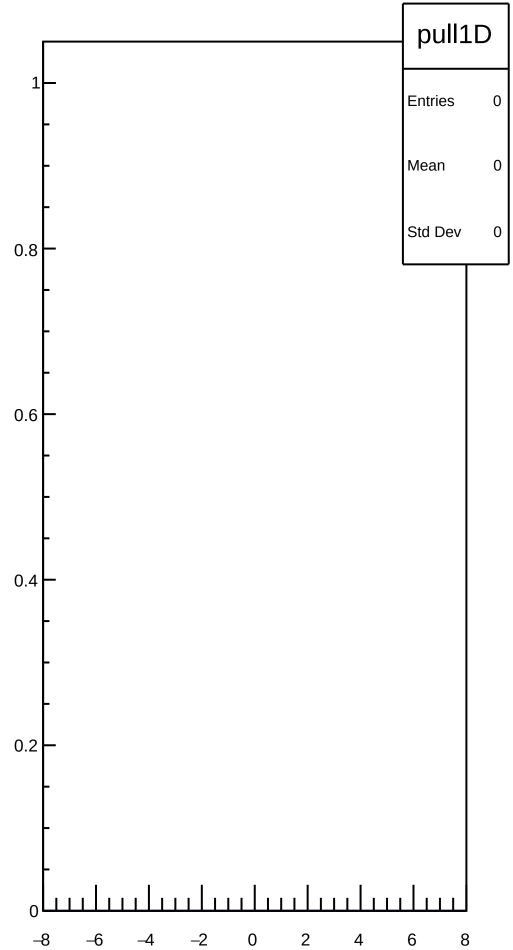
0.4
0.6
0.8
1
0
1


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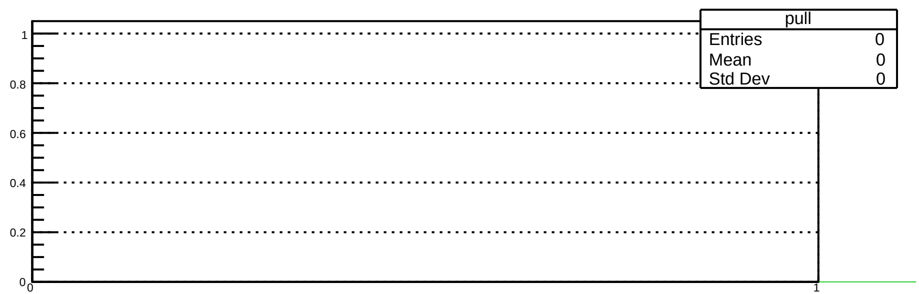
2
4
6
8


pull
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Std Dev 0
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0.4
0.6
0.8
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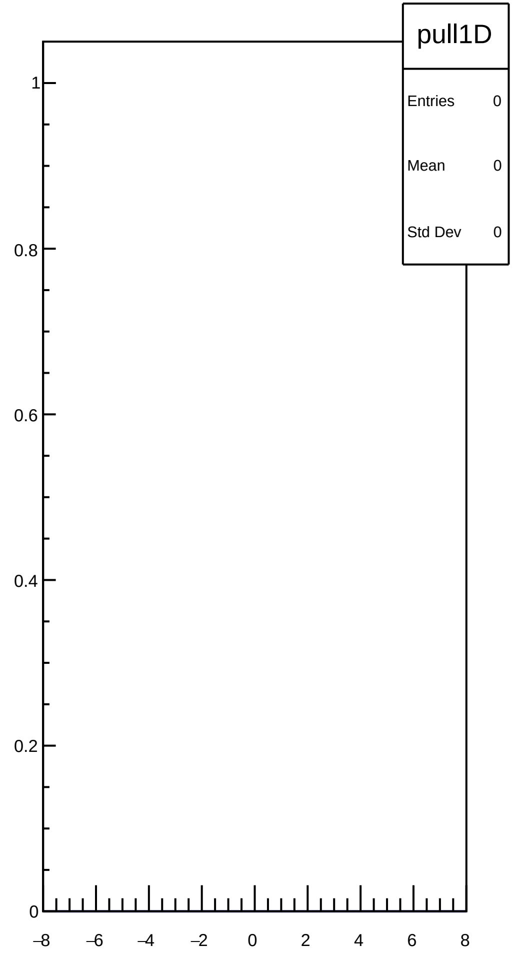
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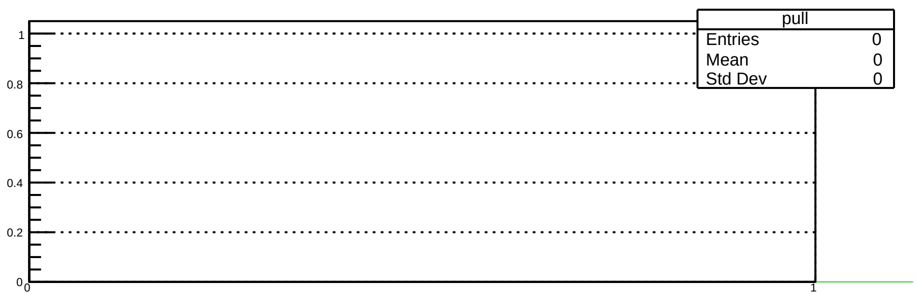
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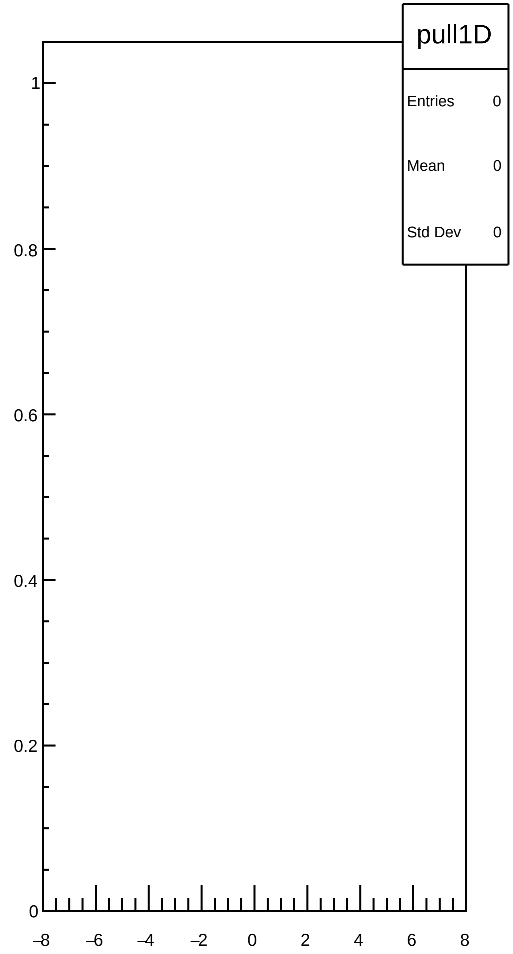
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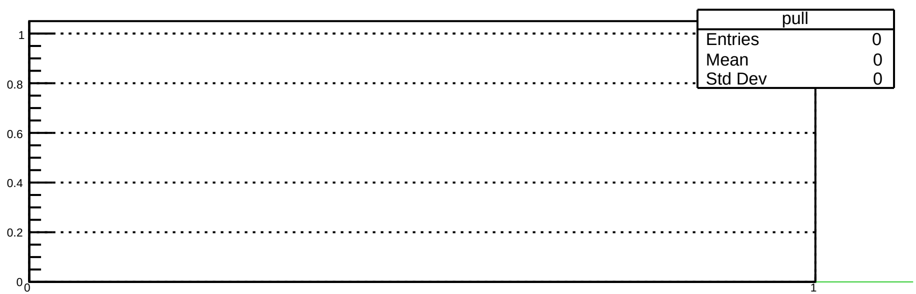
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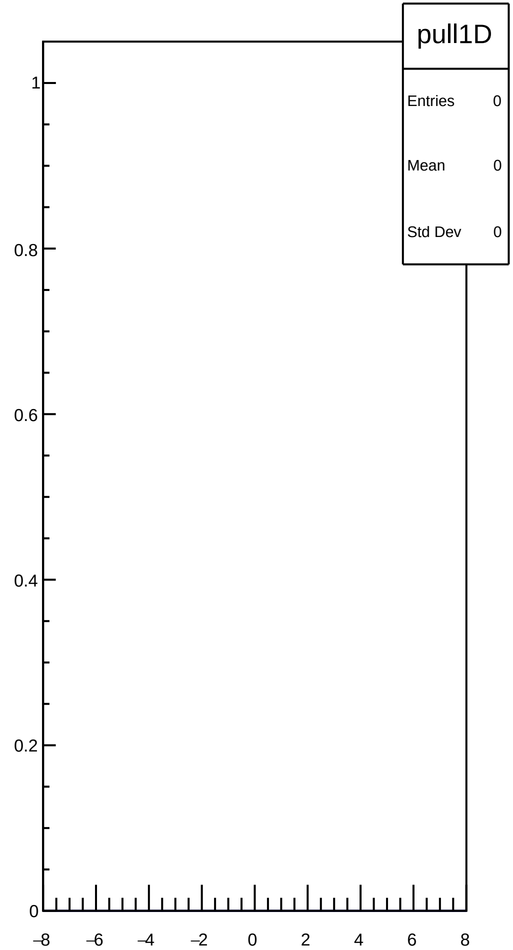
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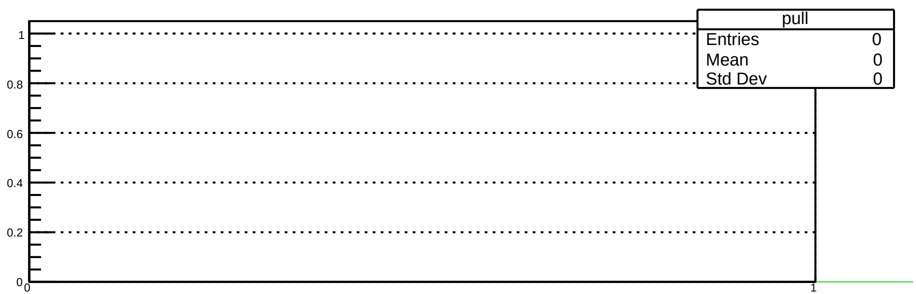

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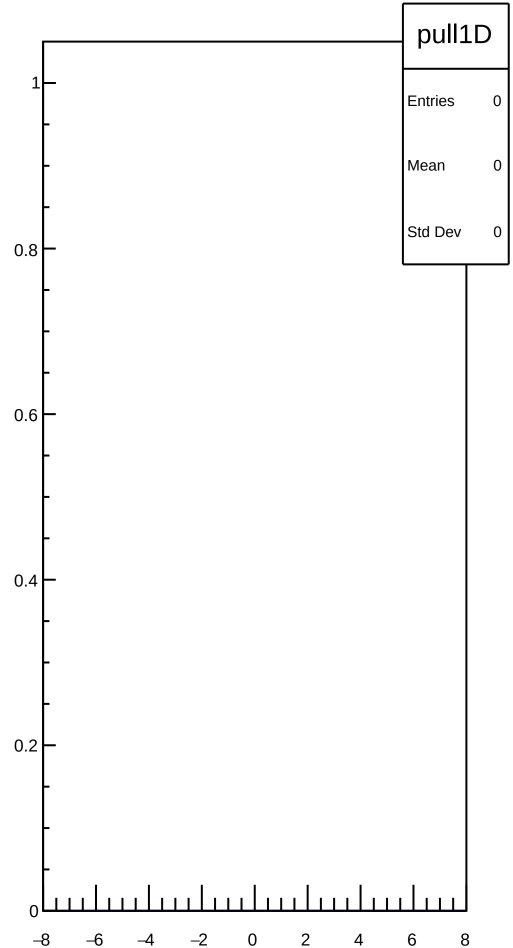

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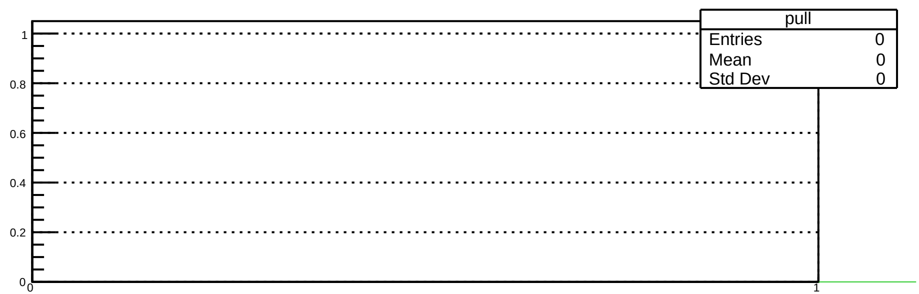
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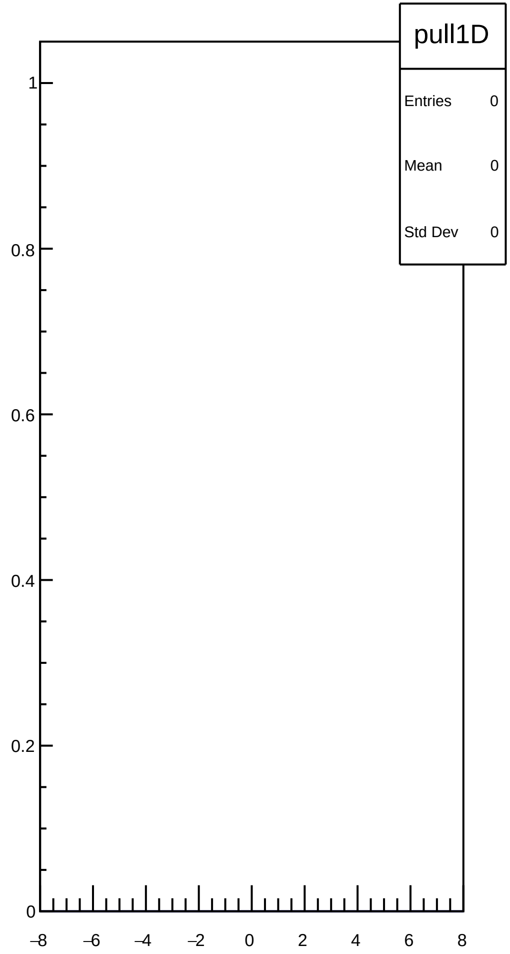
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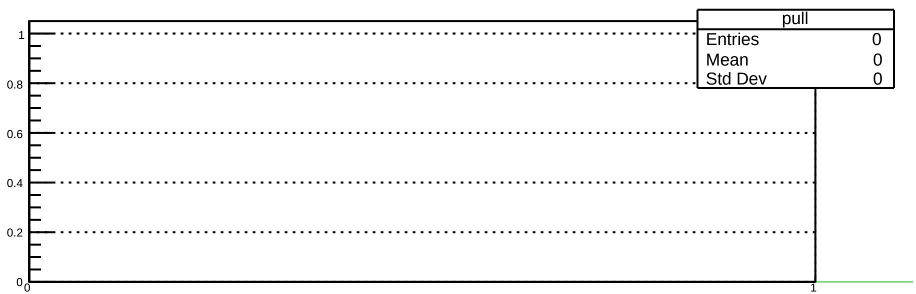
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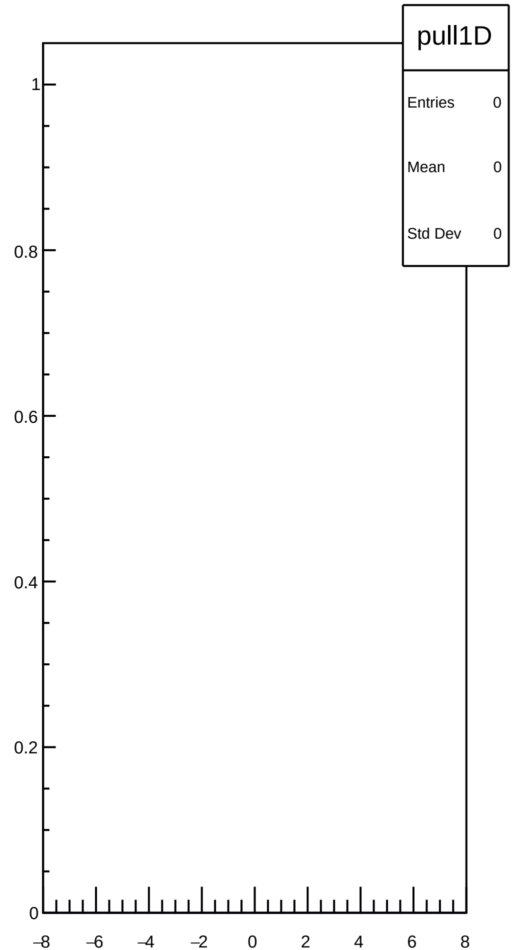
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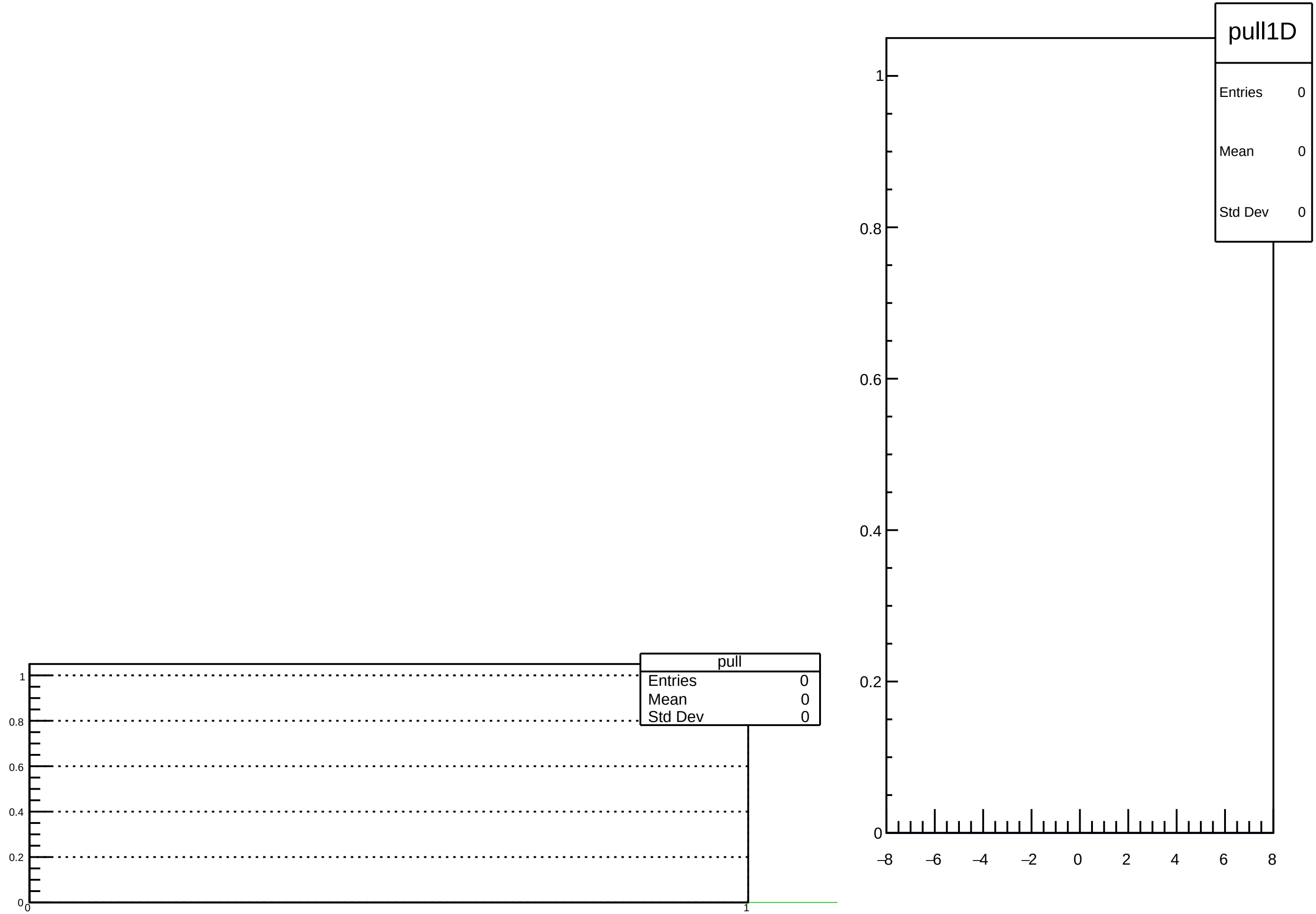
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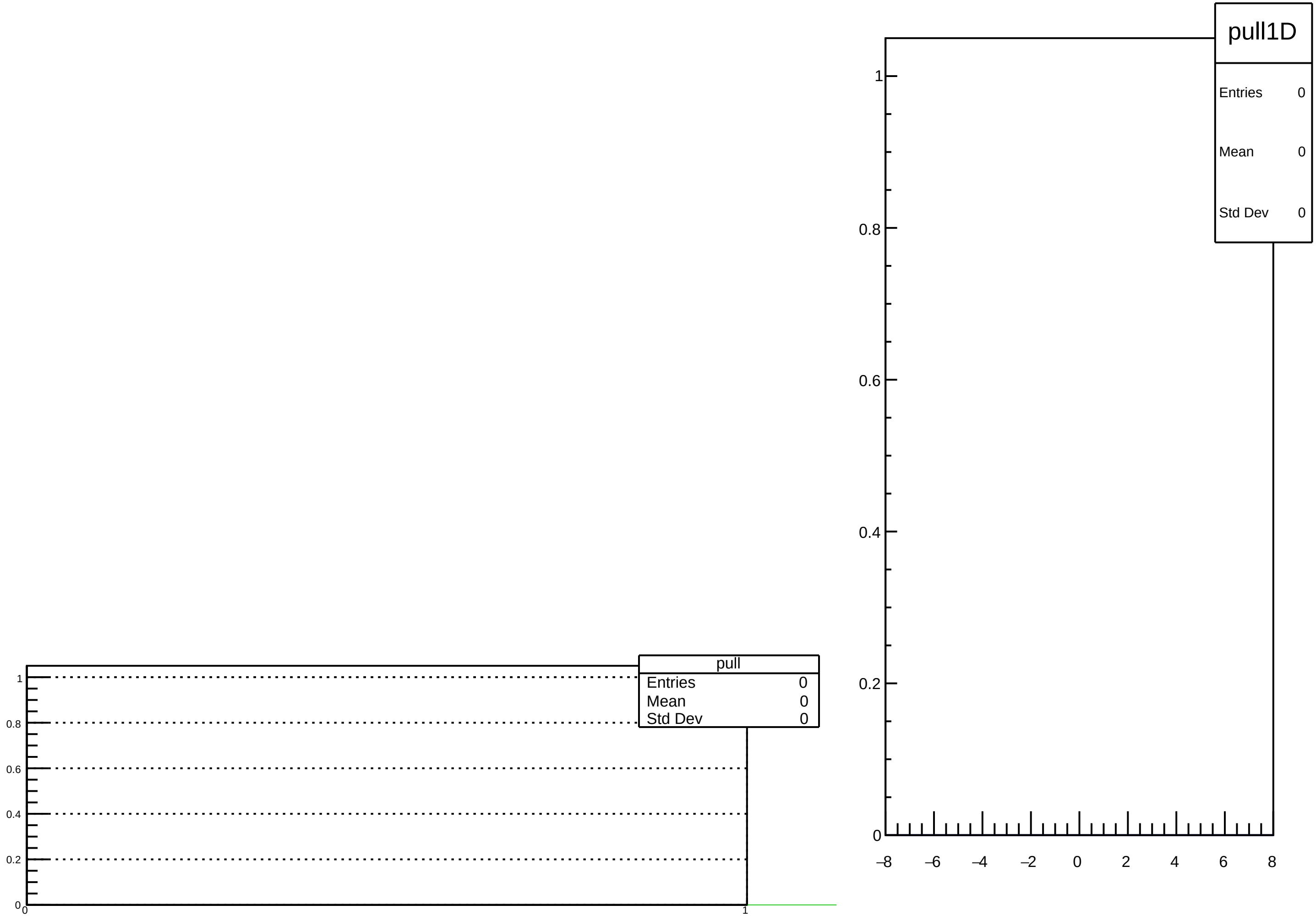
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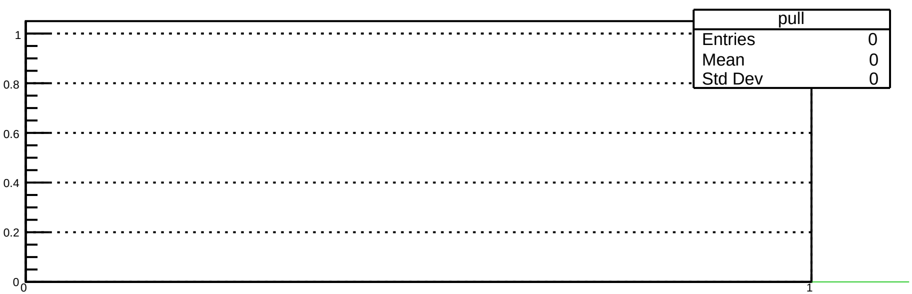
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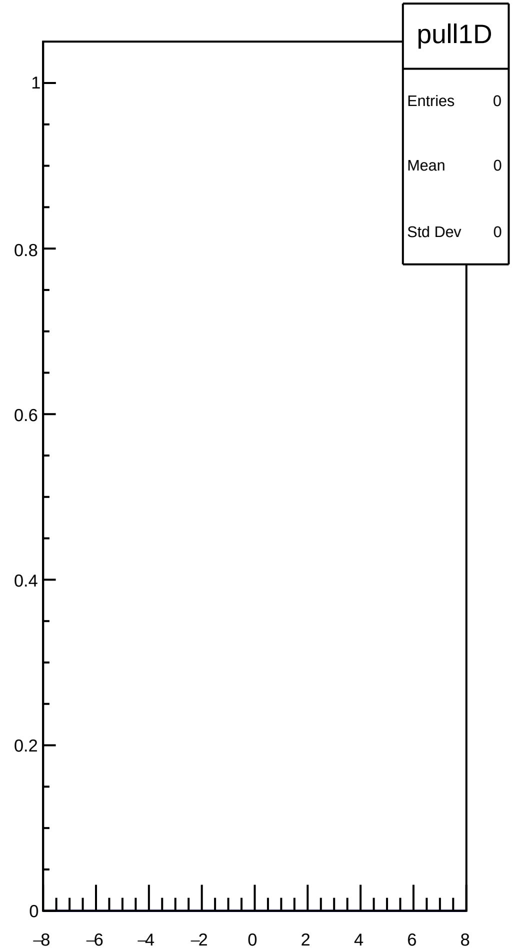
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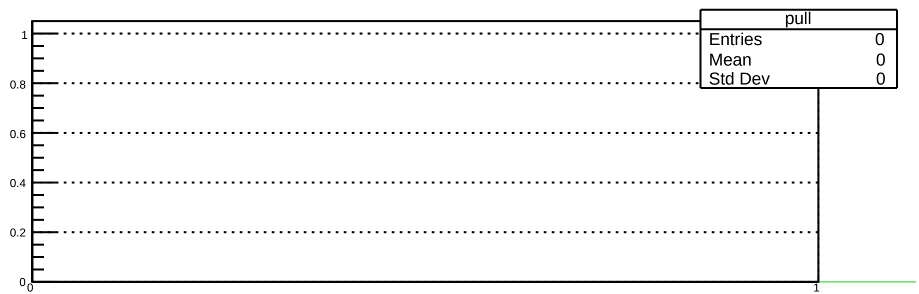
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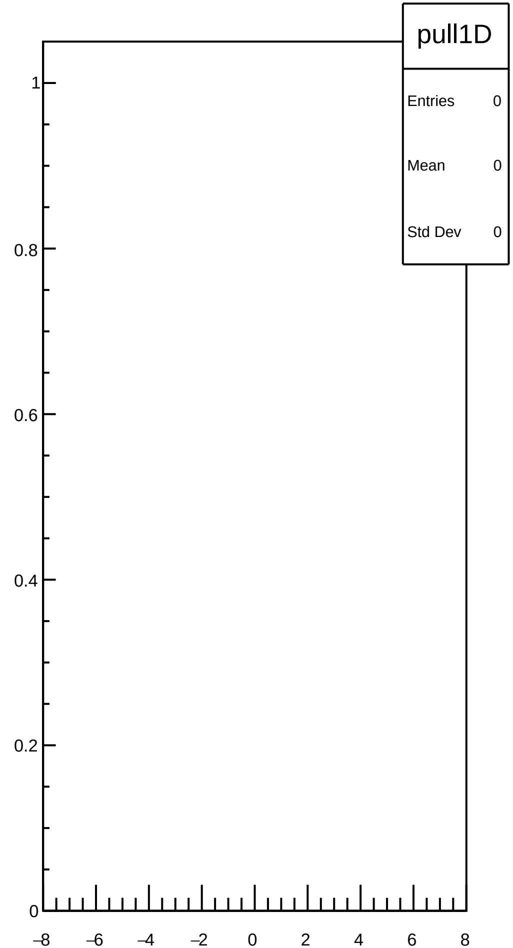
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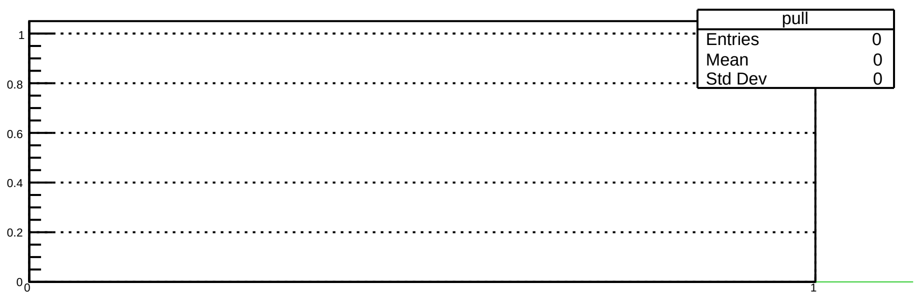
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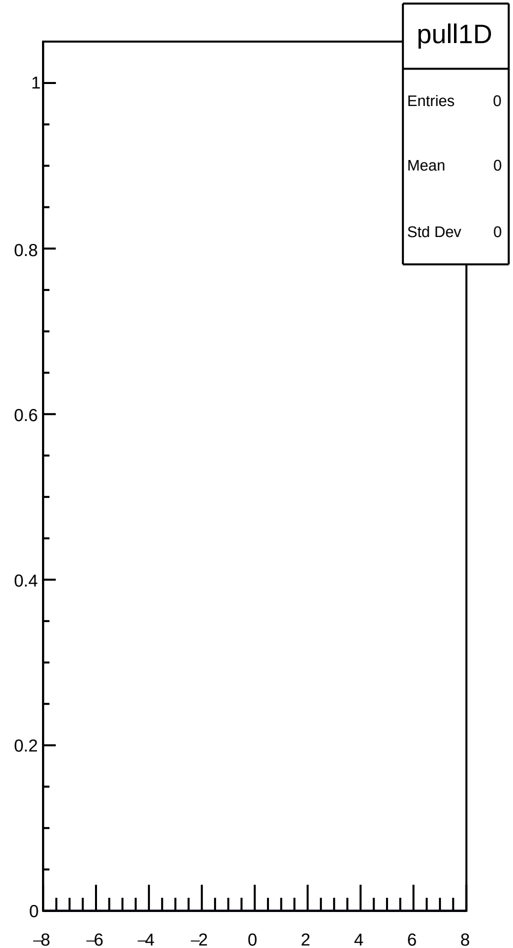
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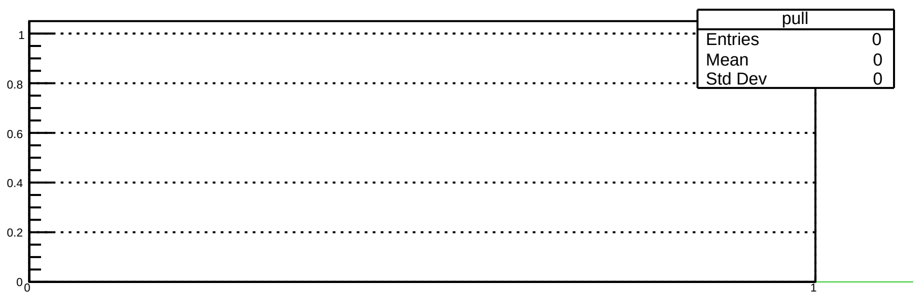
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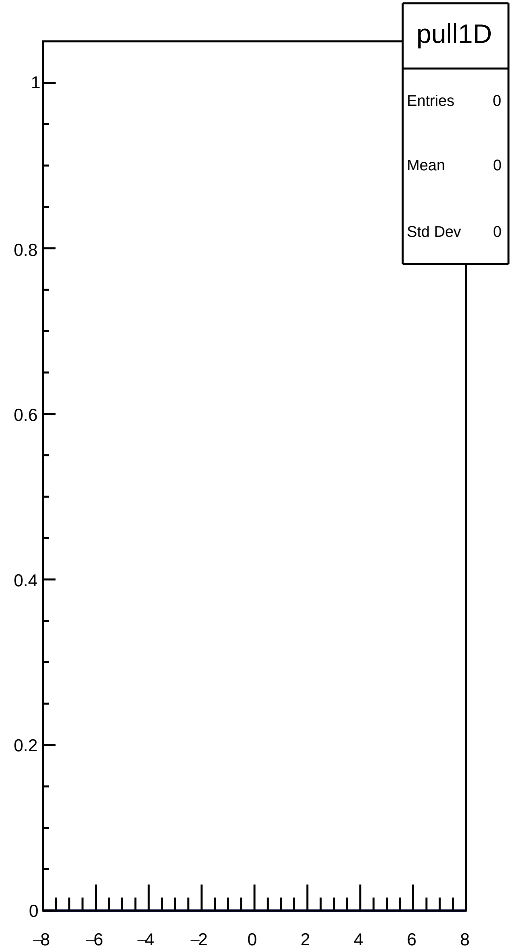
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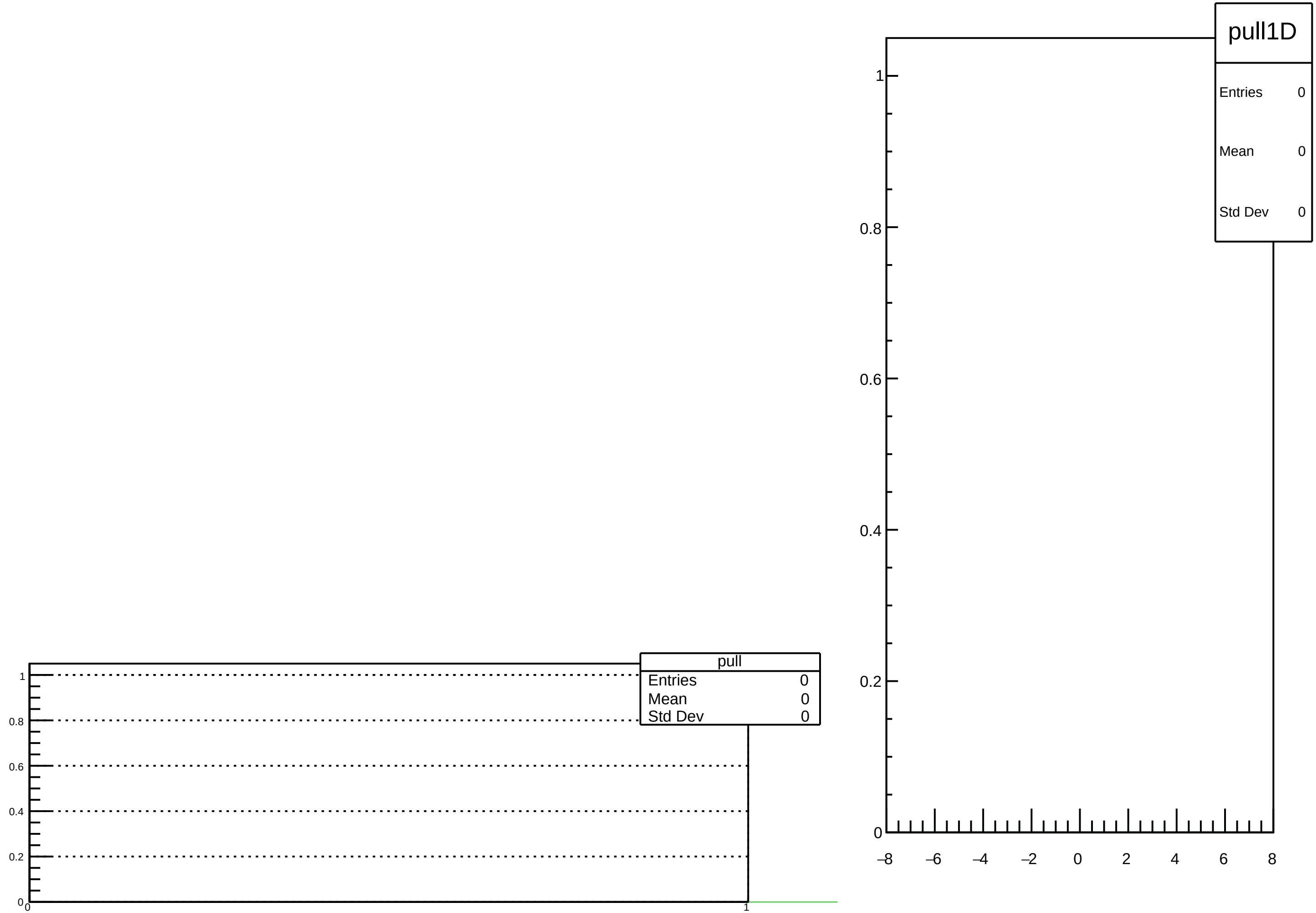
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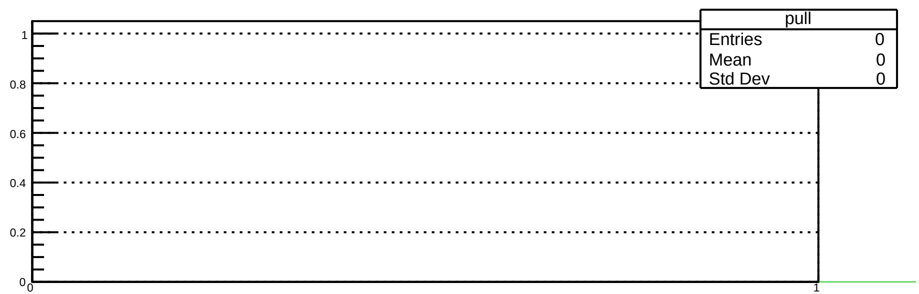
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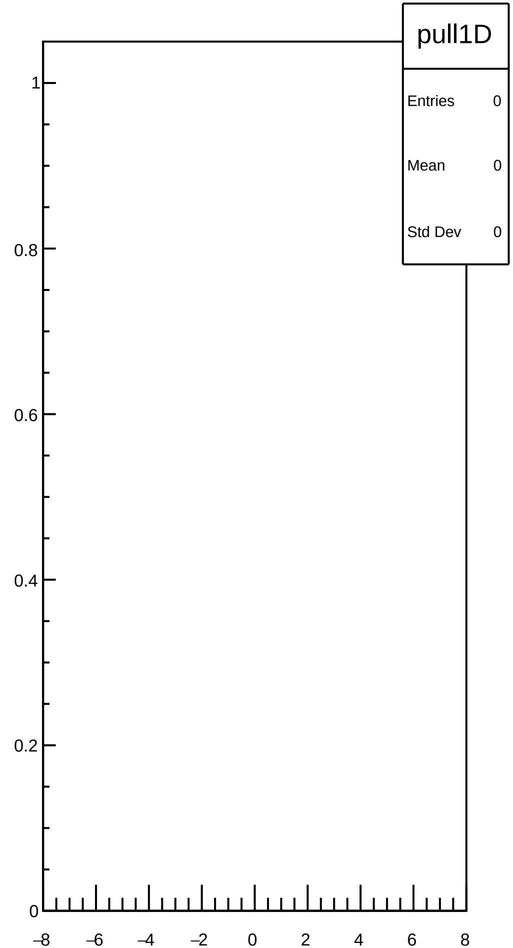
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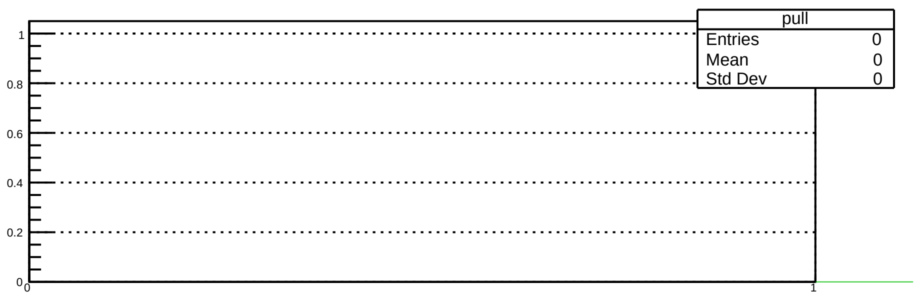

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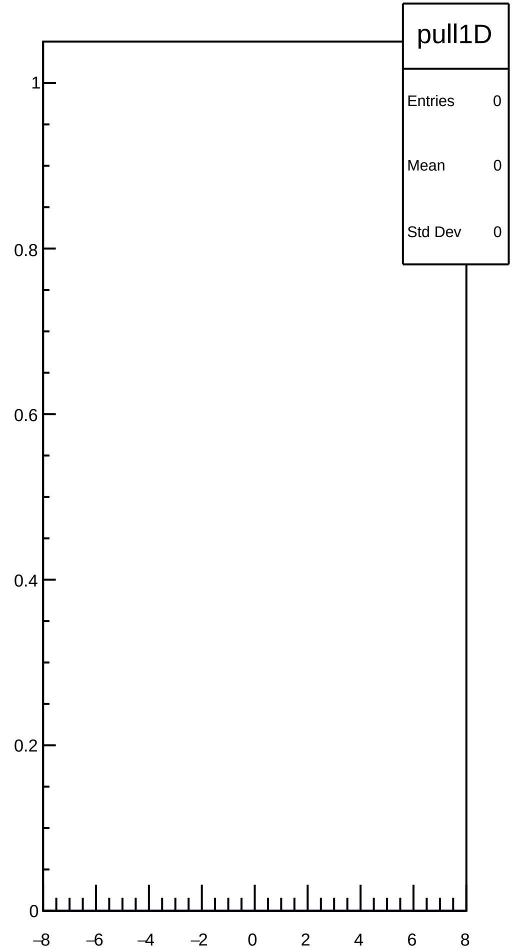

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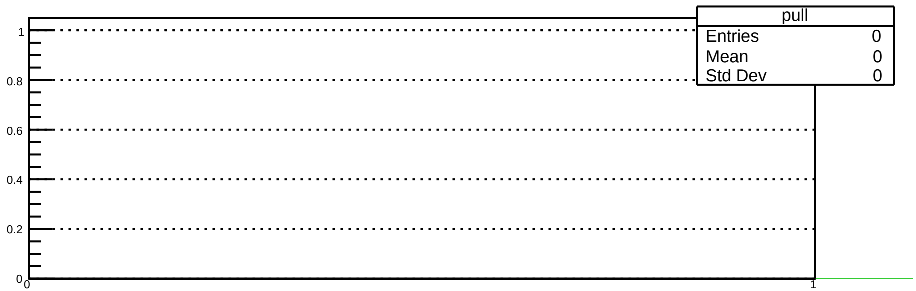
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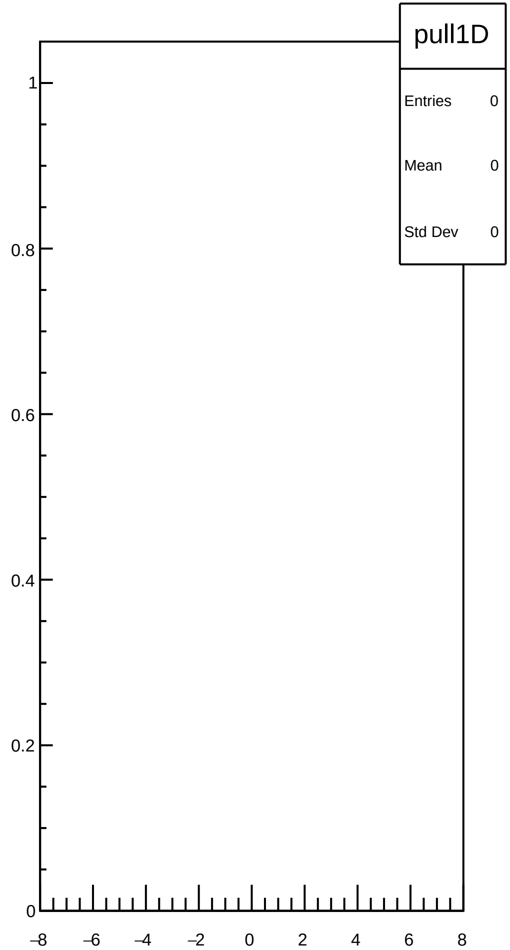
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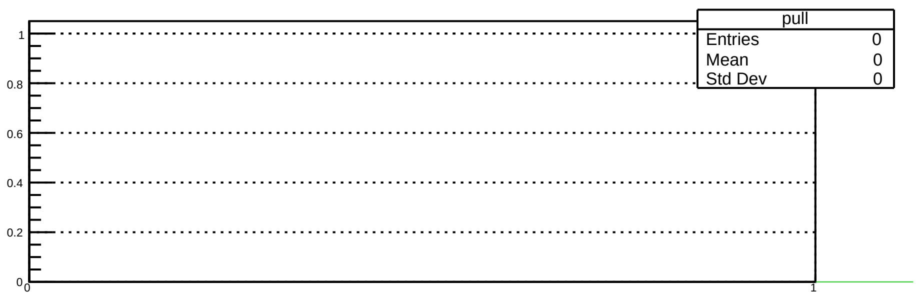
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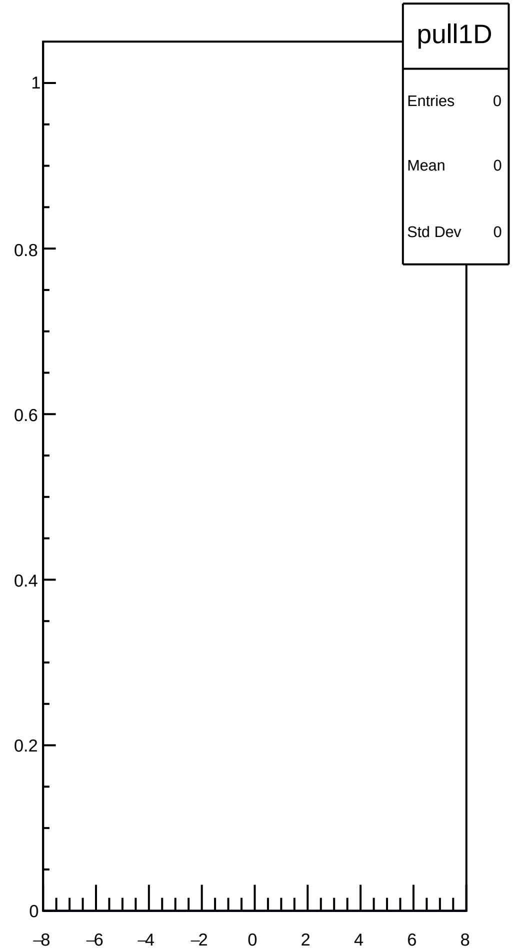
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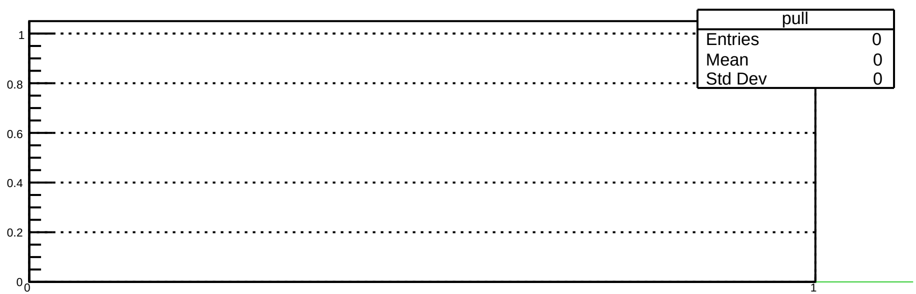
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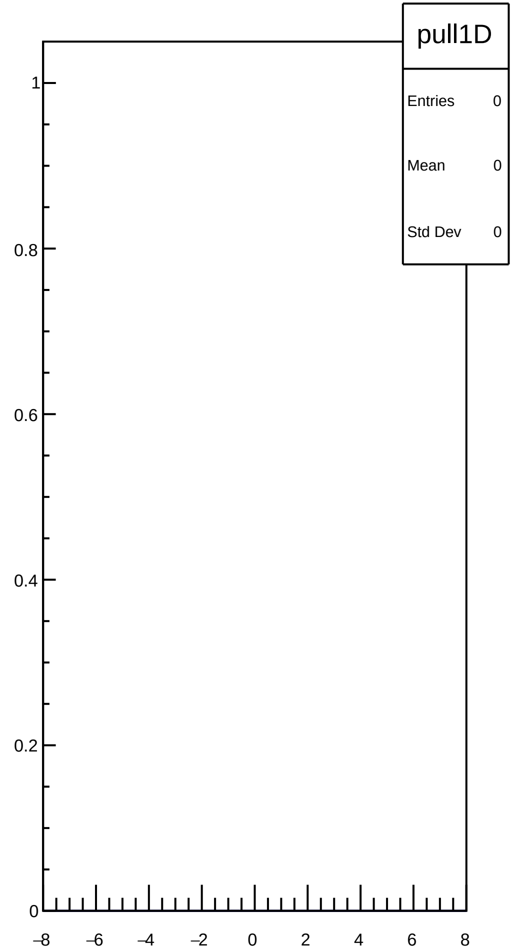
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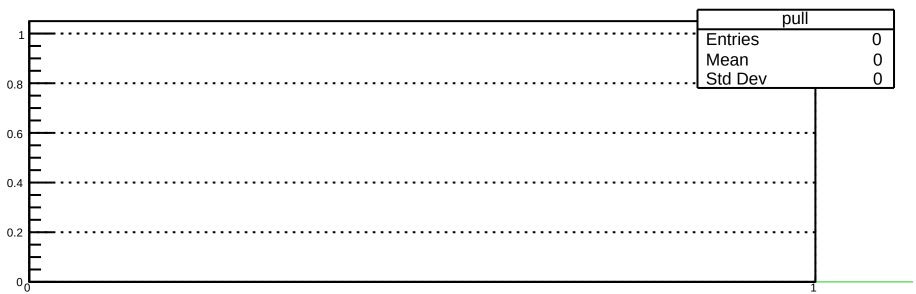
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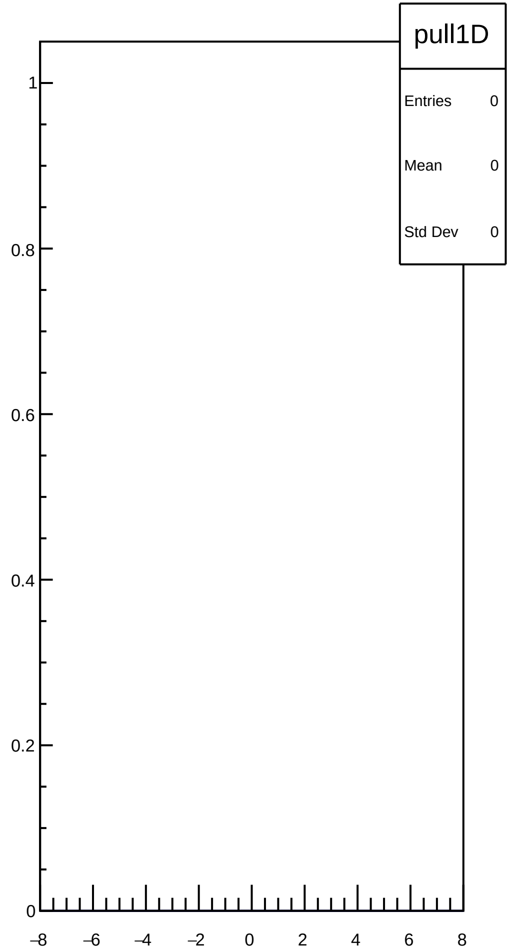
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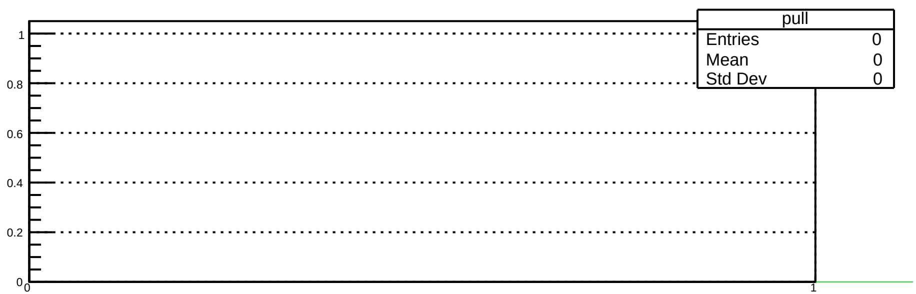
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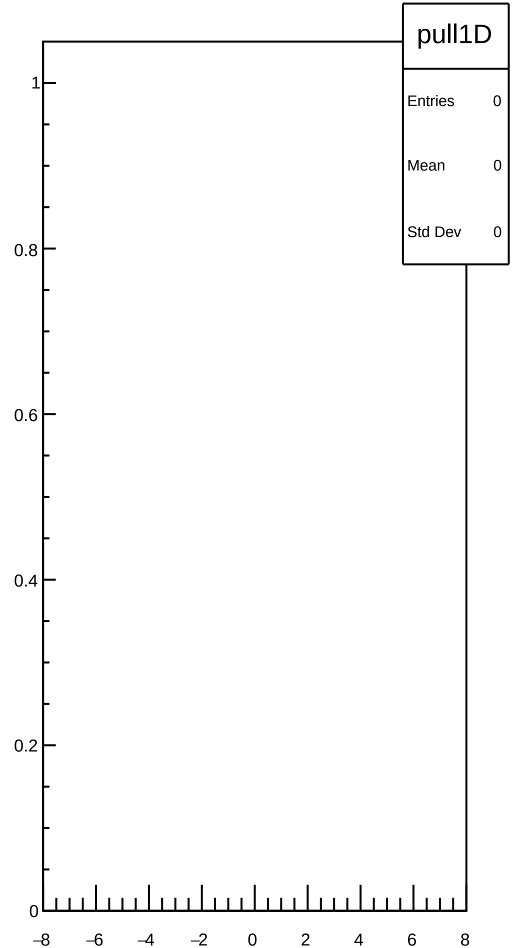
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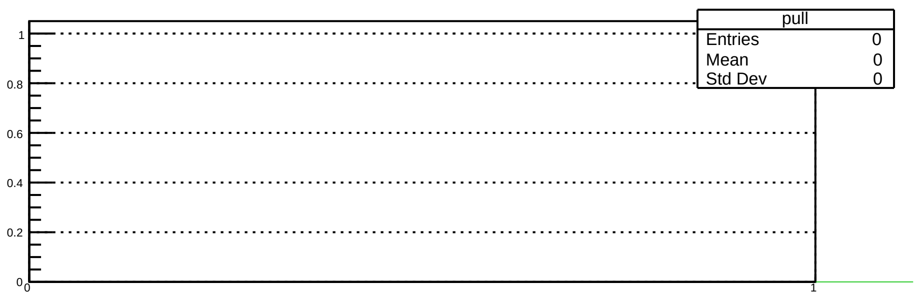
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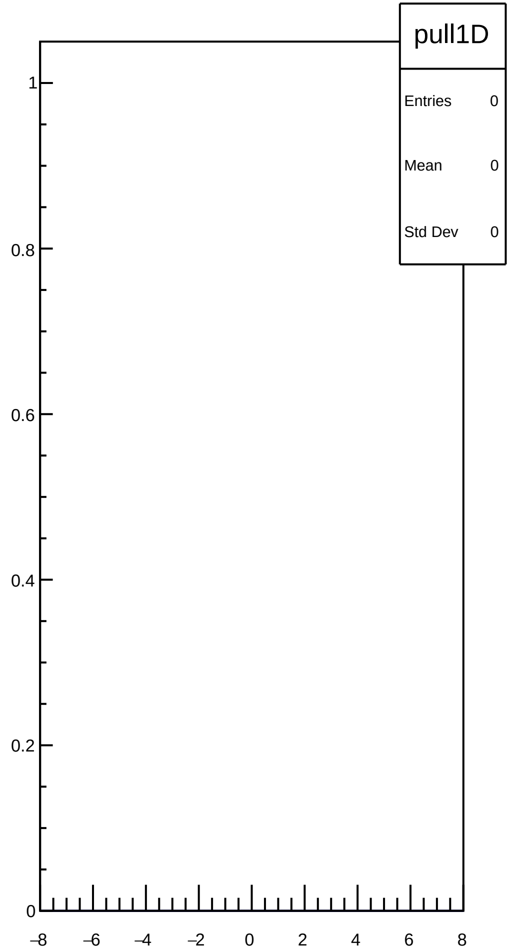
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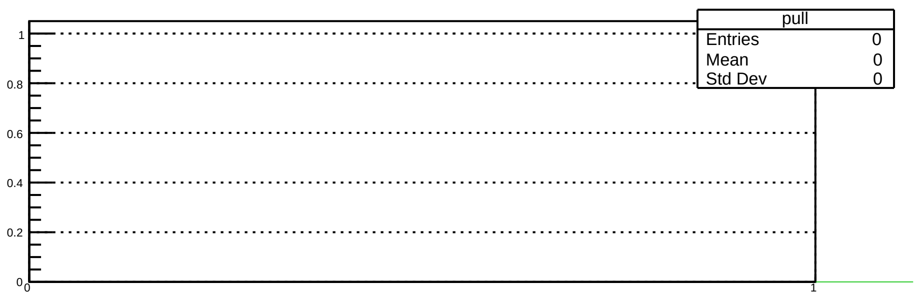

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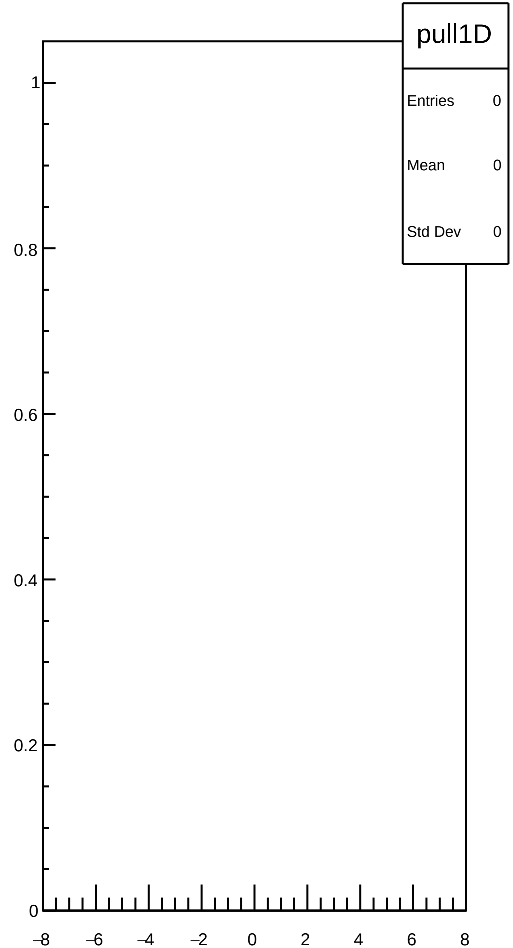

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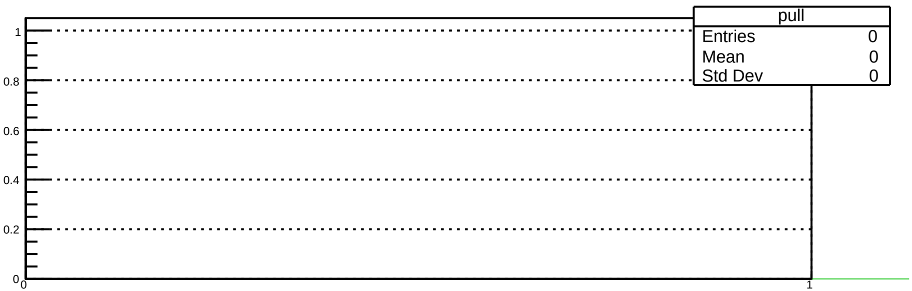
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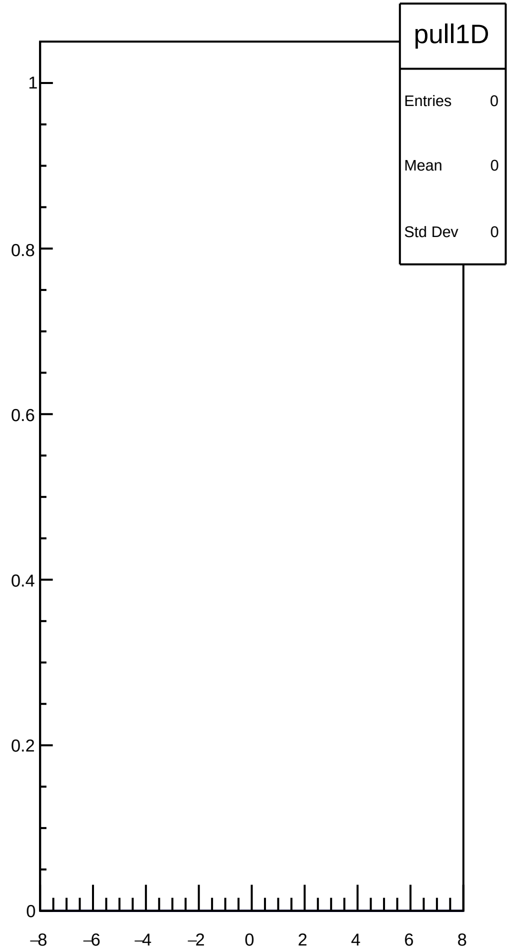
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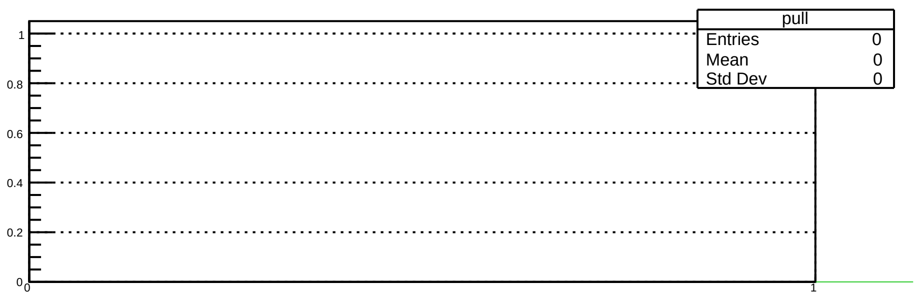
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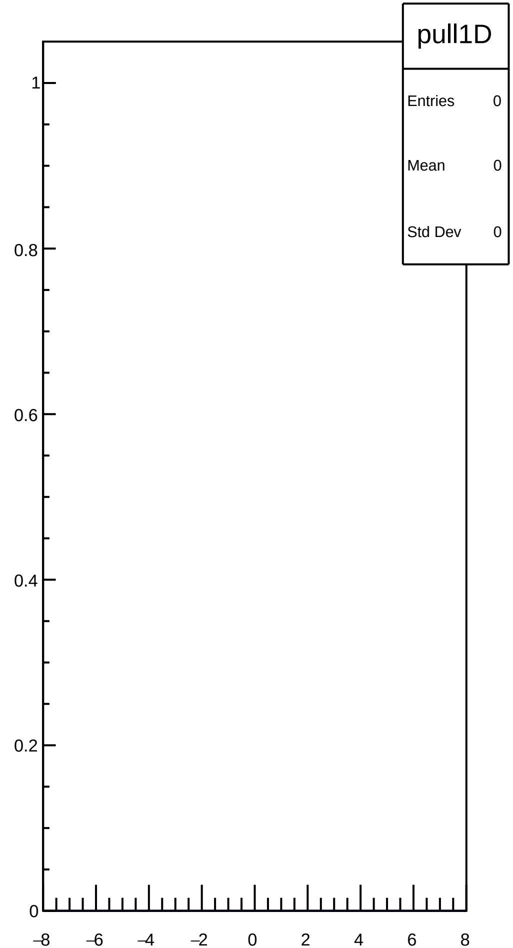
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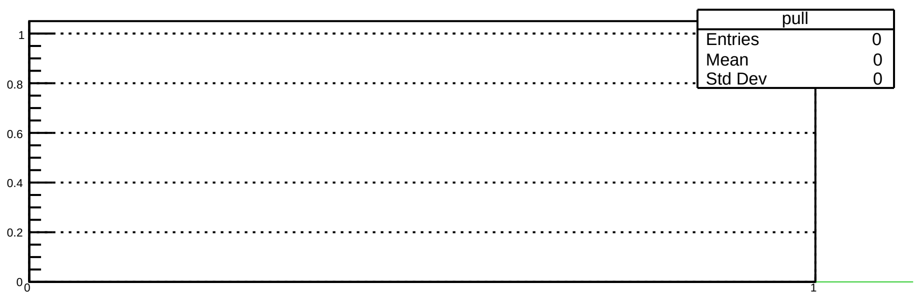
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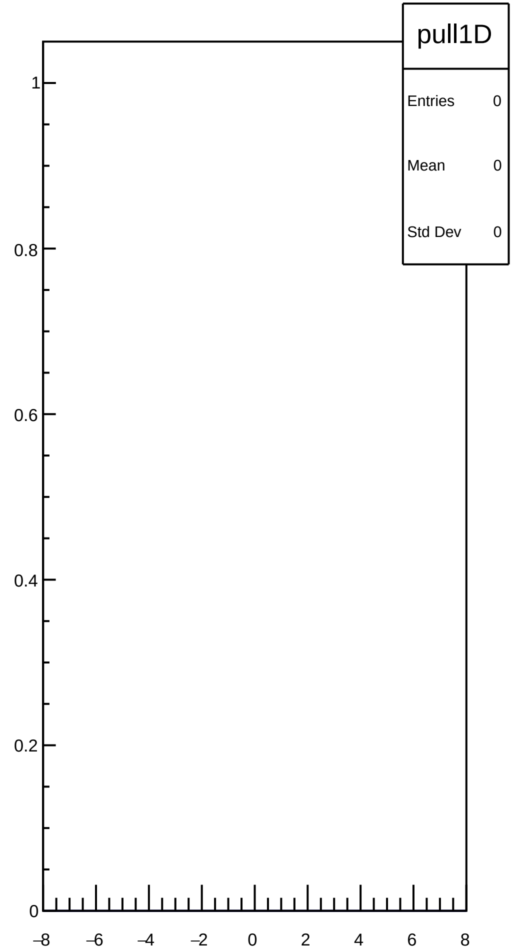
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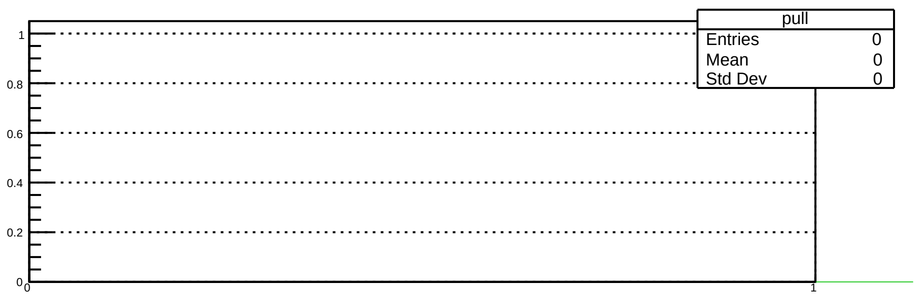

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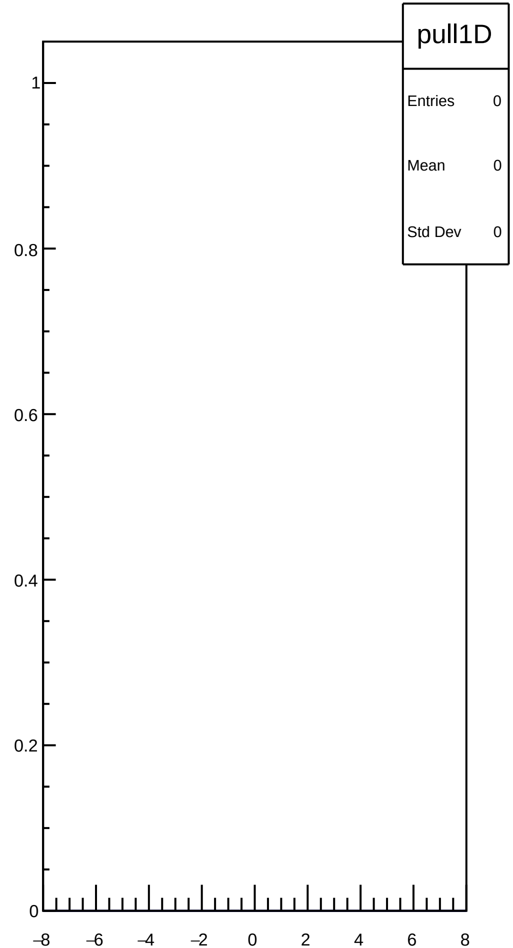

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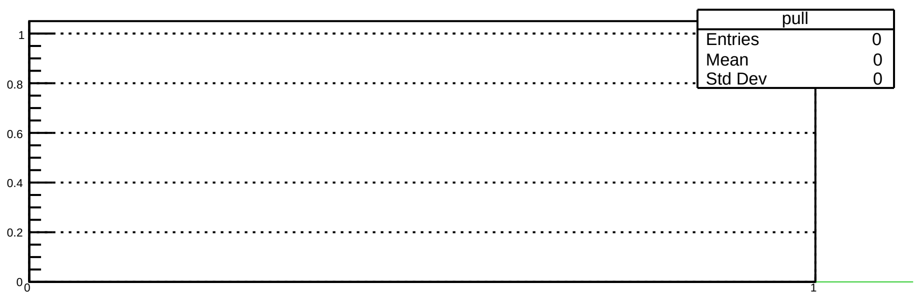
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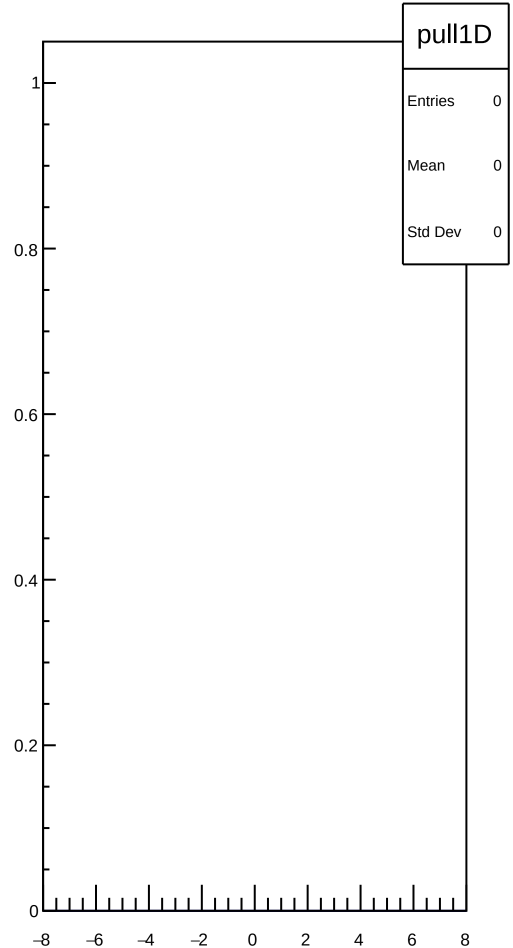
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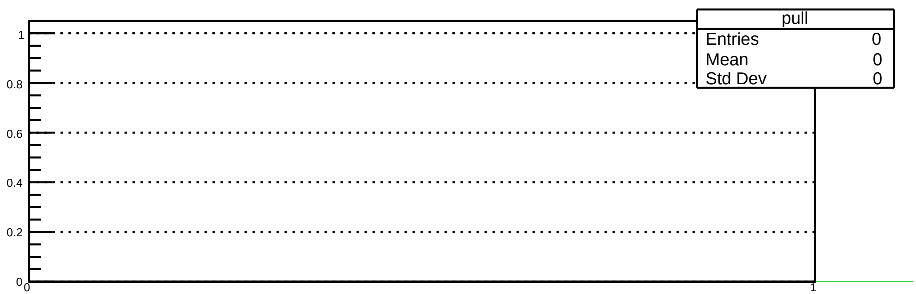
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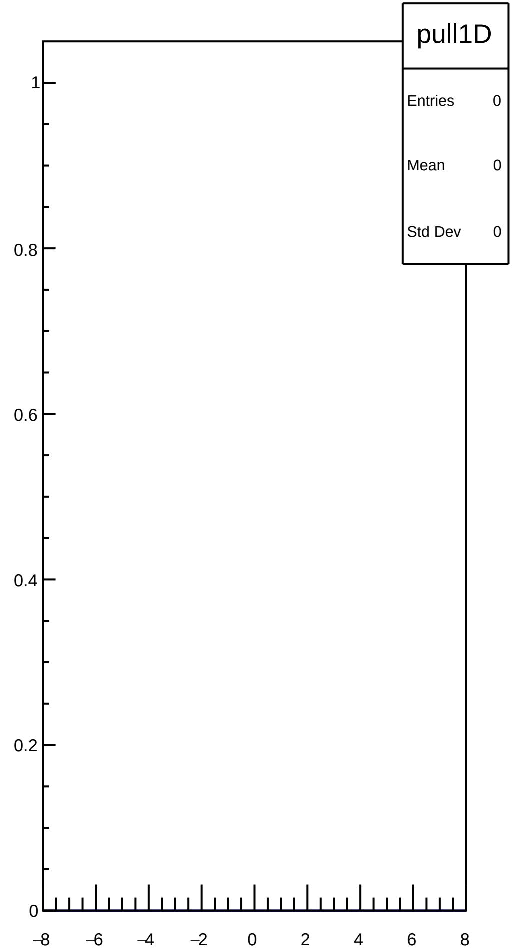
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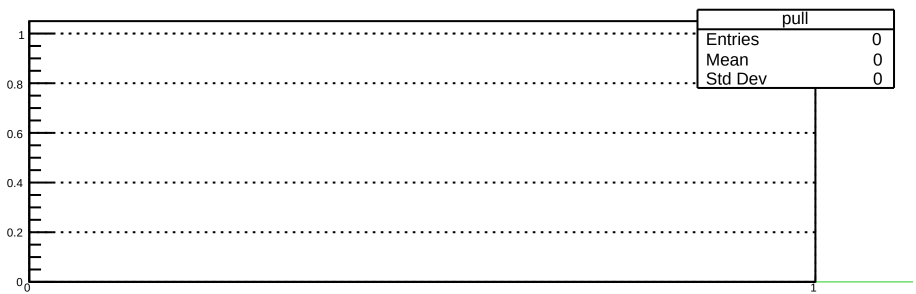
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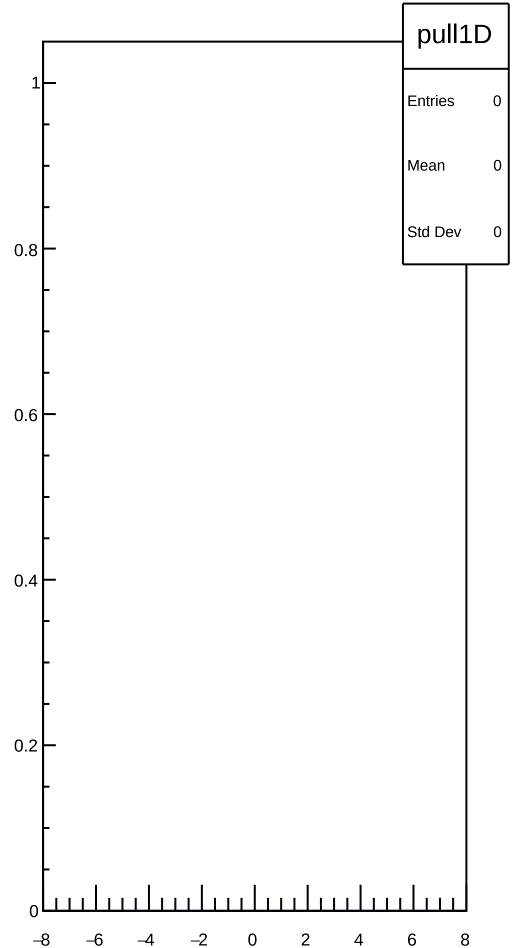
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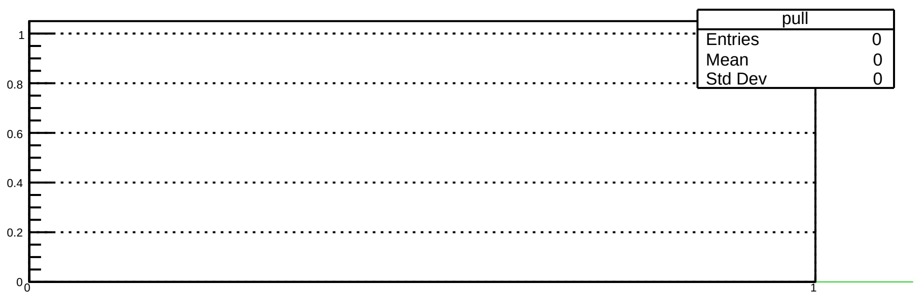
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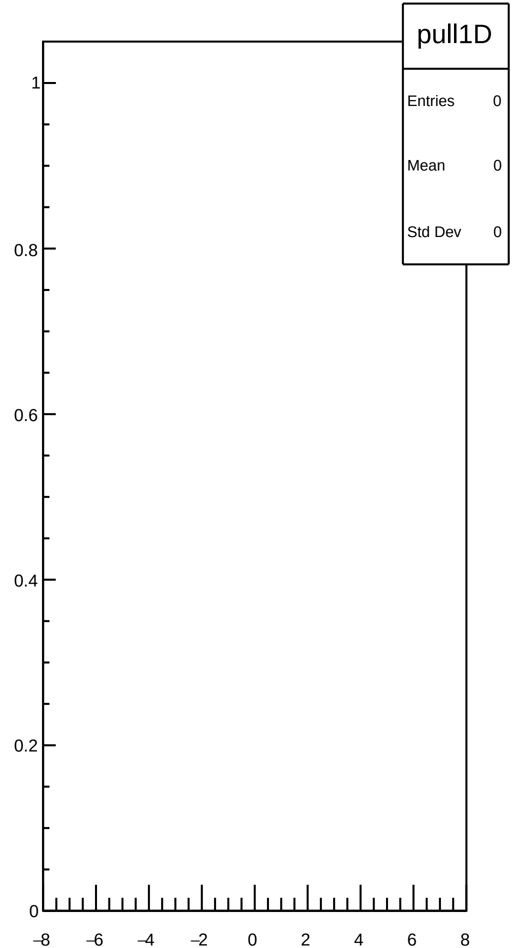
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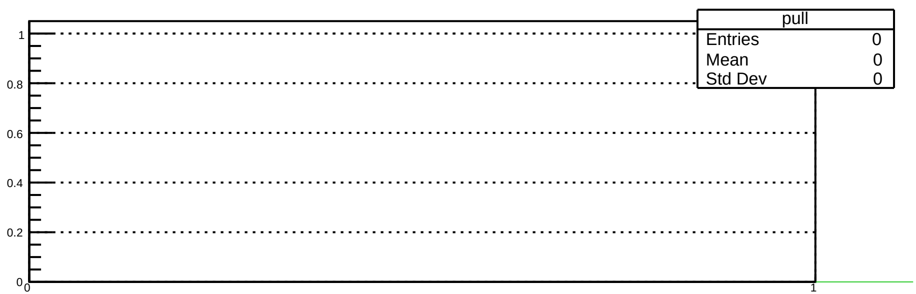
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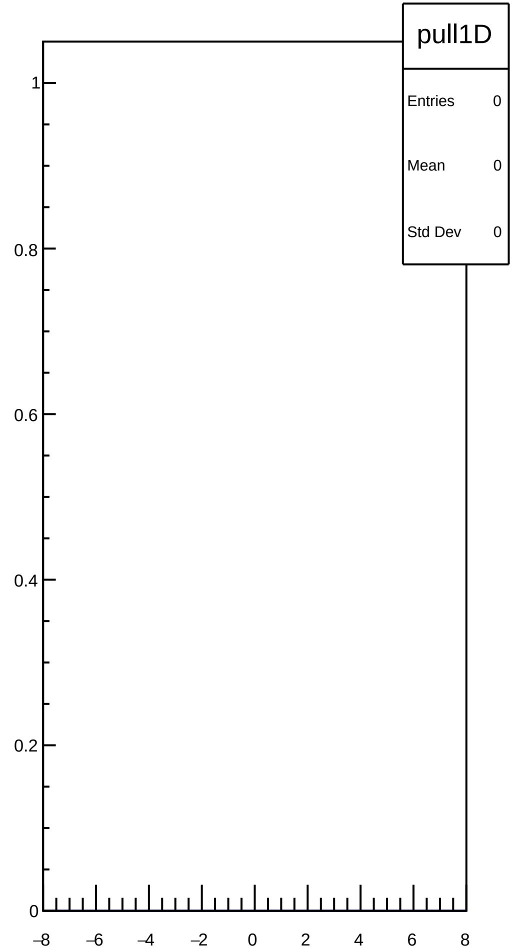
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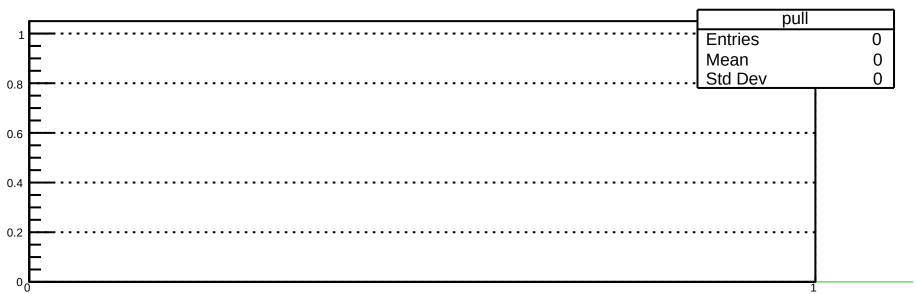
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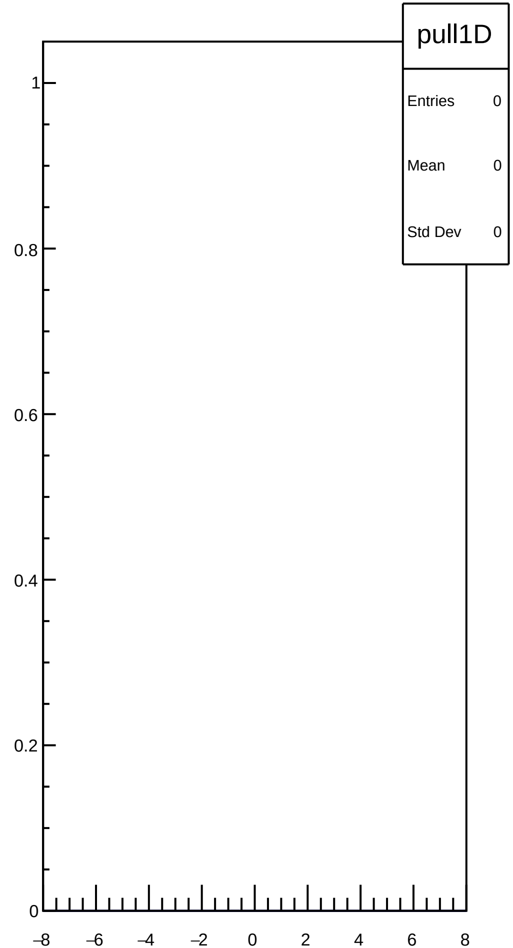
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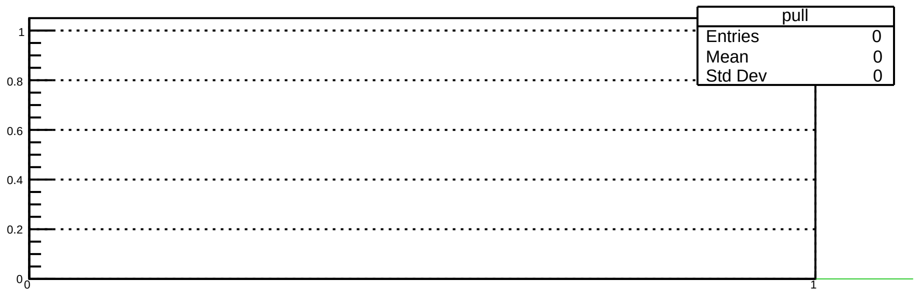

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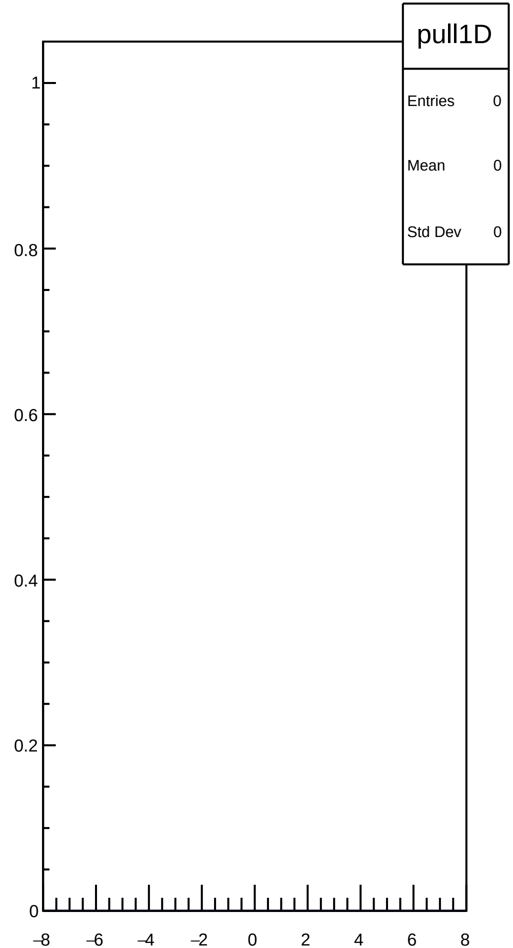

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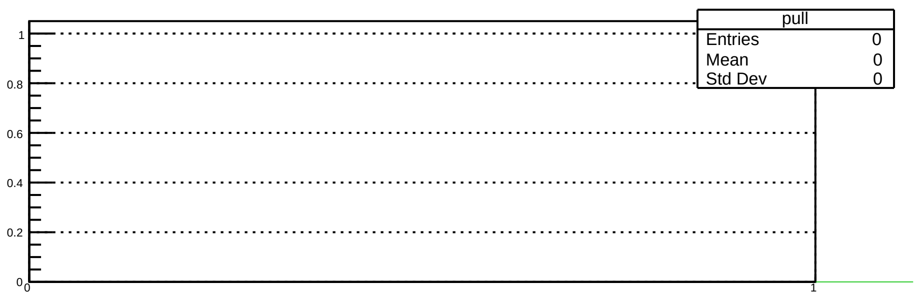

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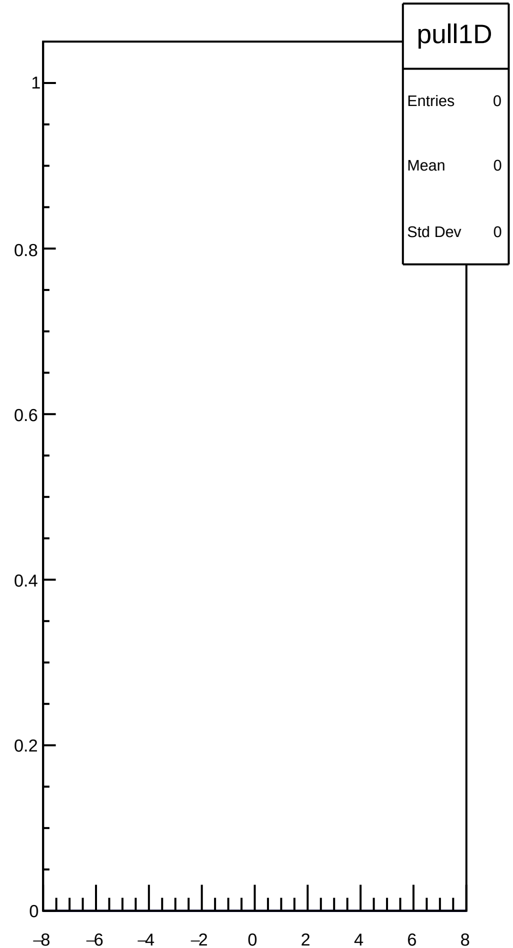

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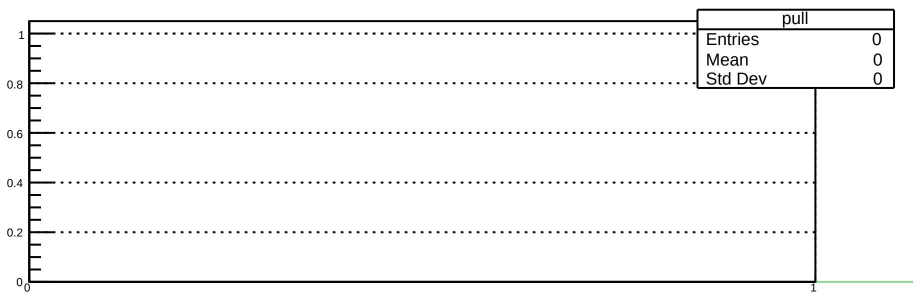
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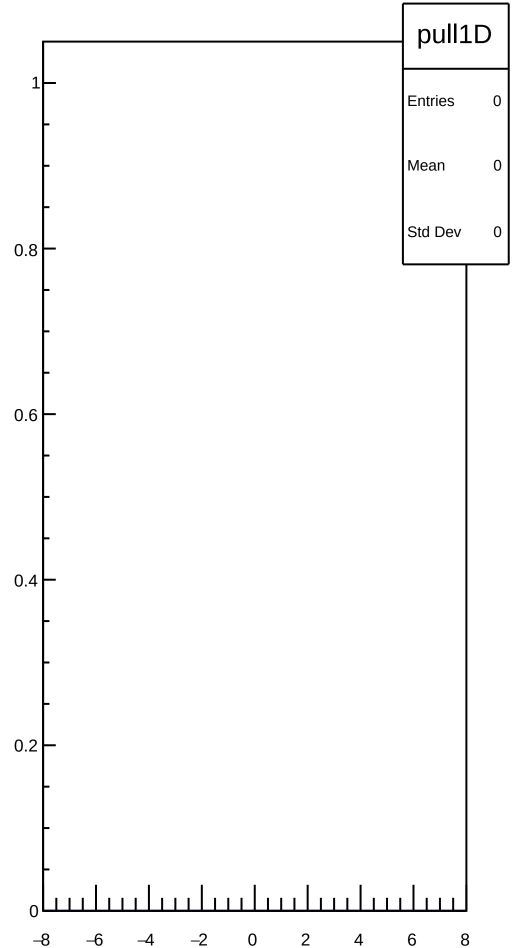
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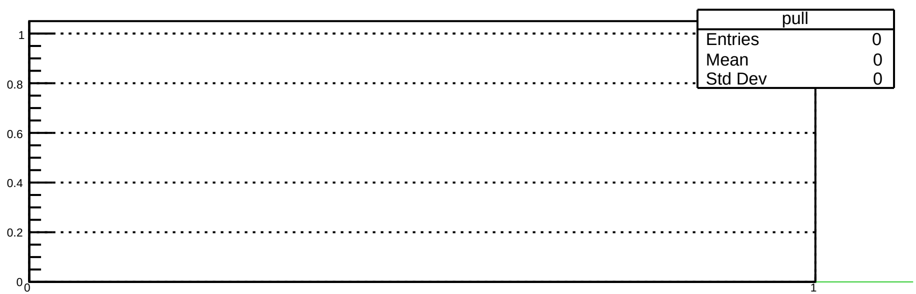
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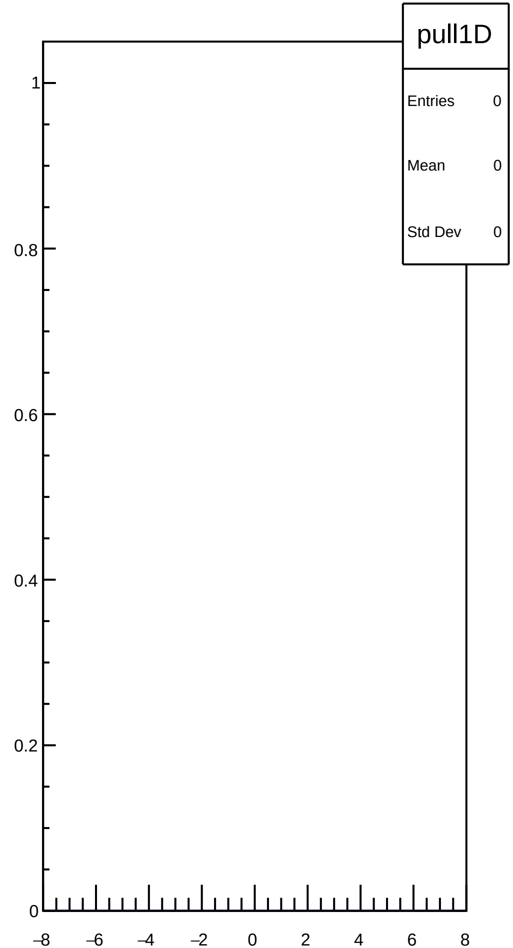
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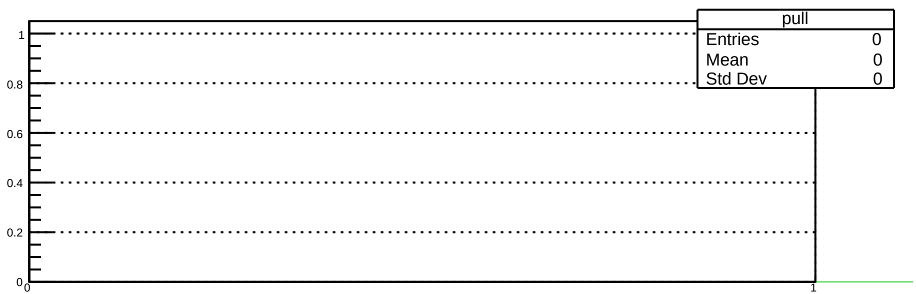

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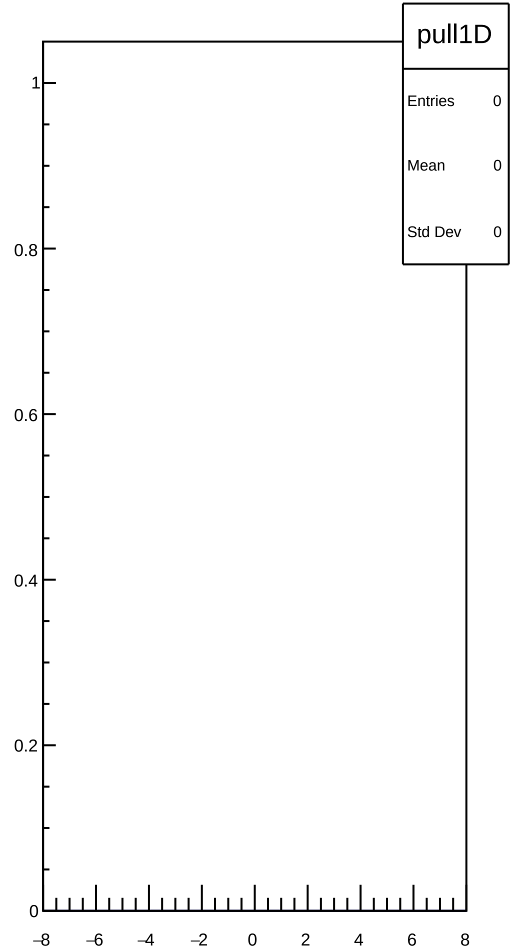

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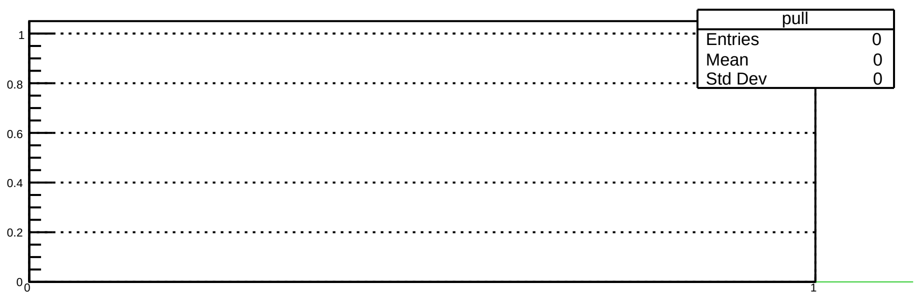
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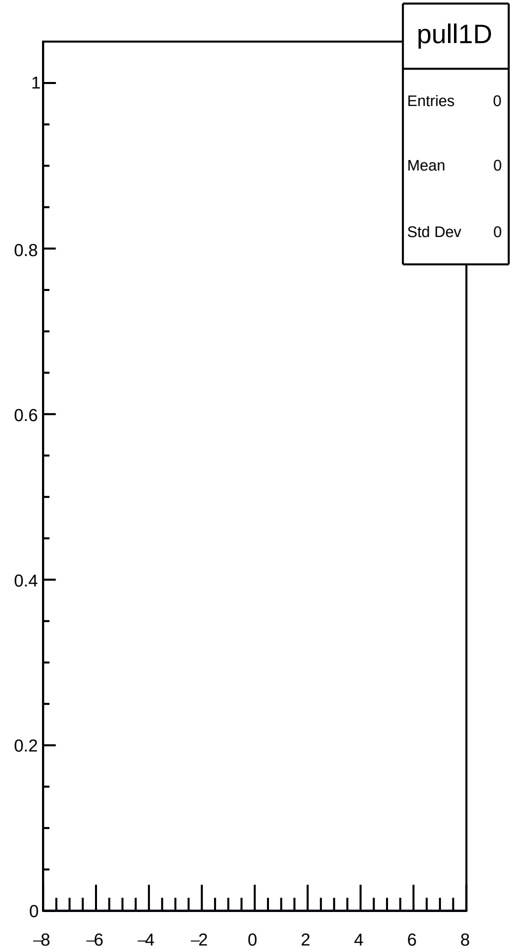
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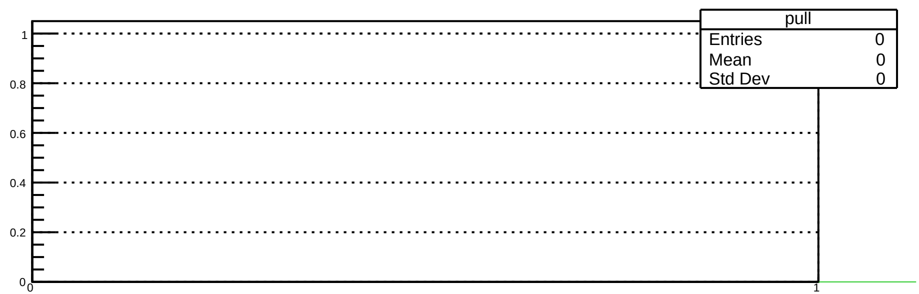
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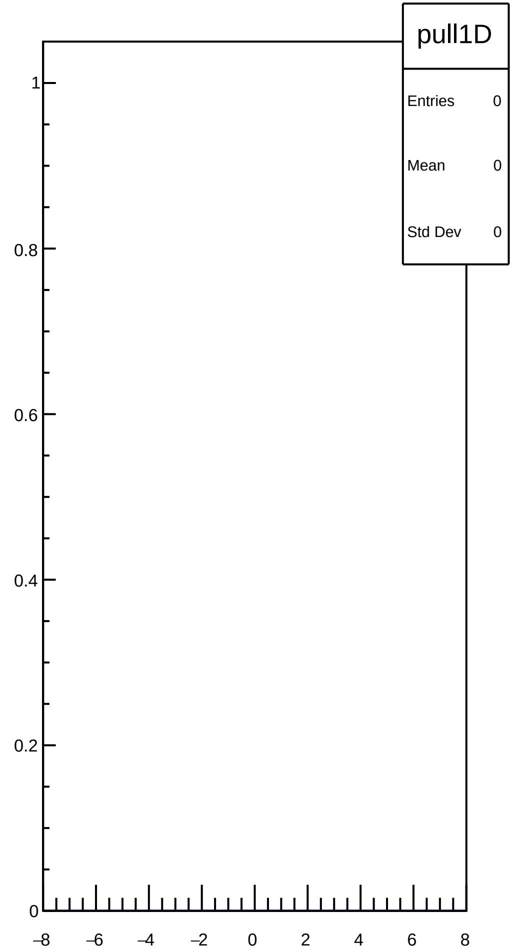
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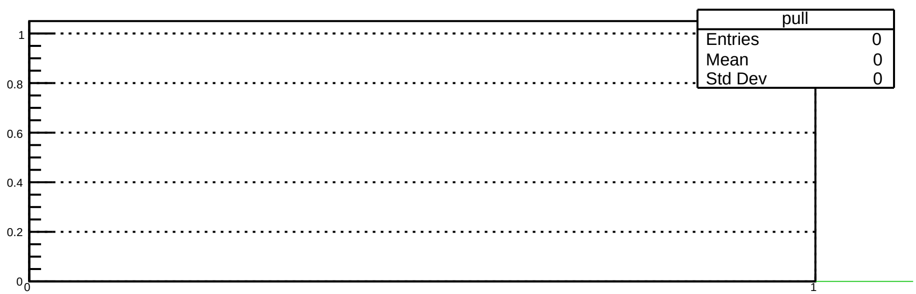
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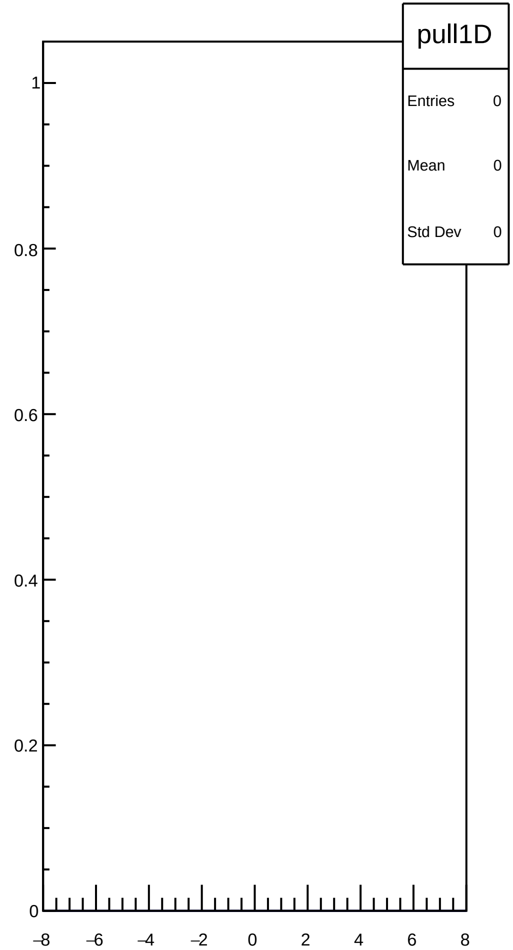
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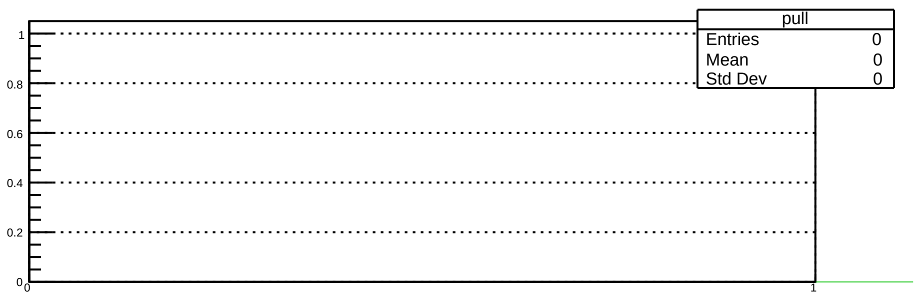
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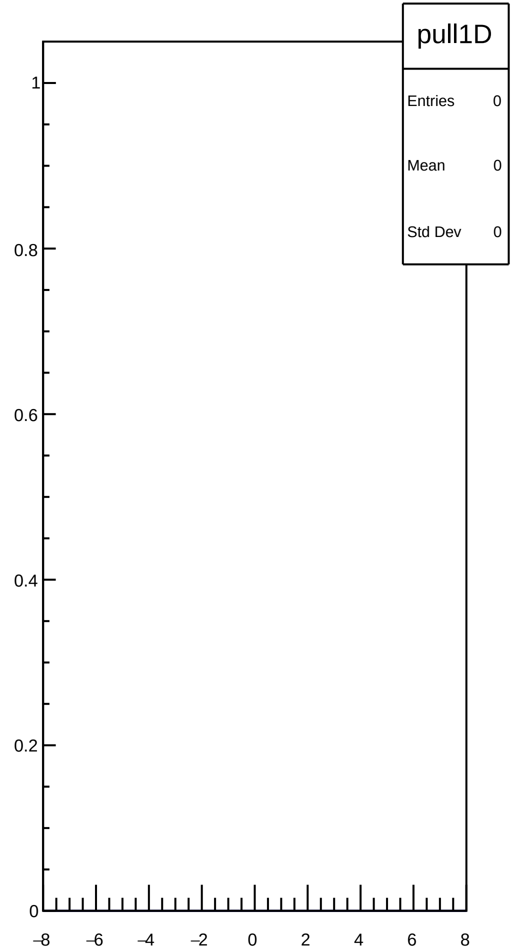
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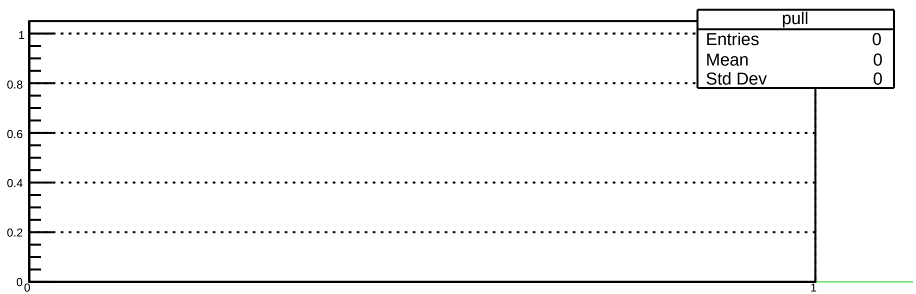
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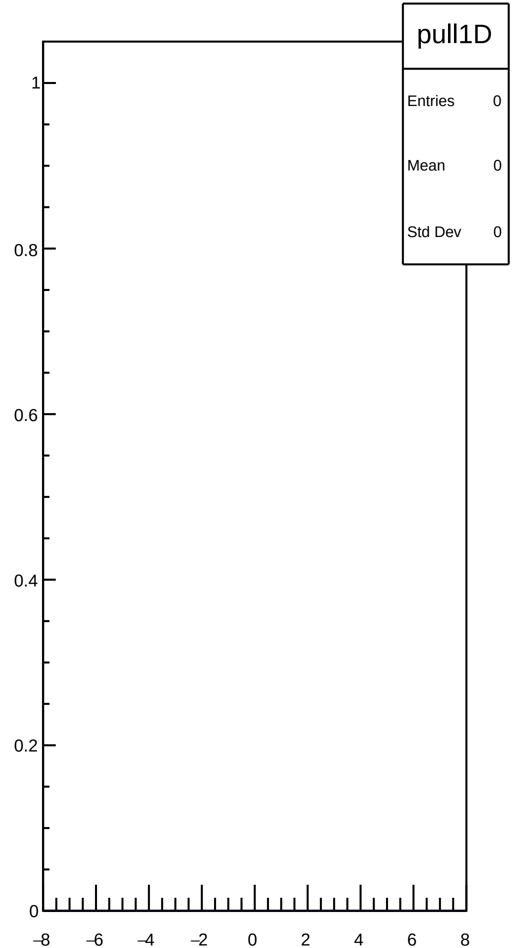
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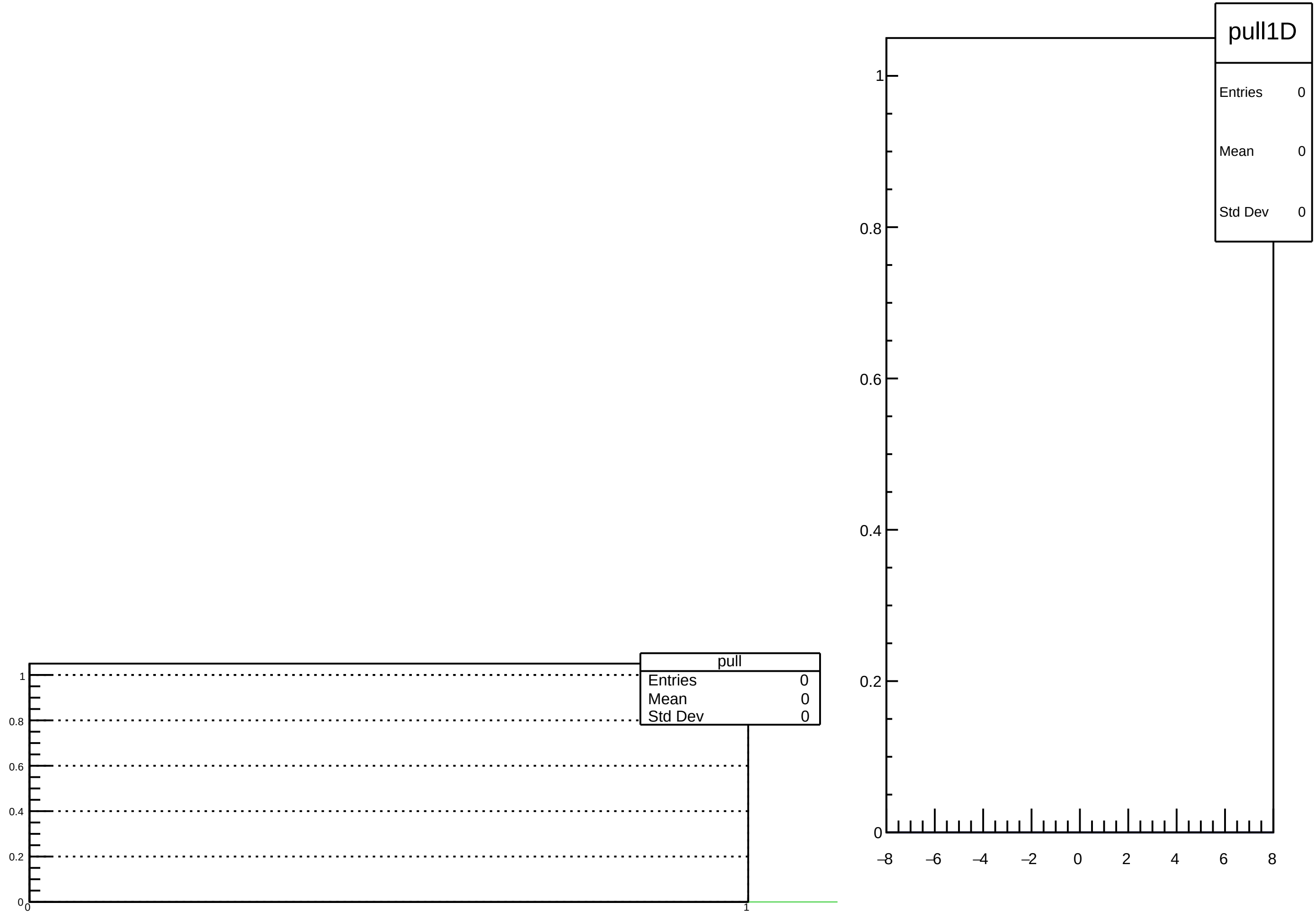
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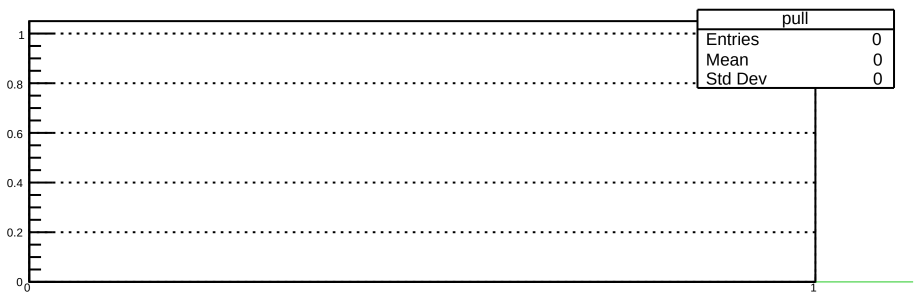
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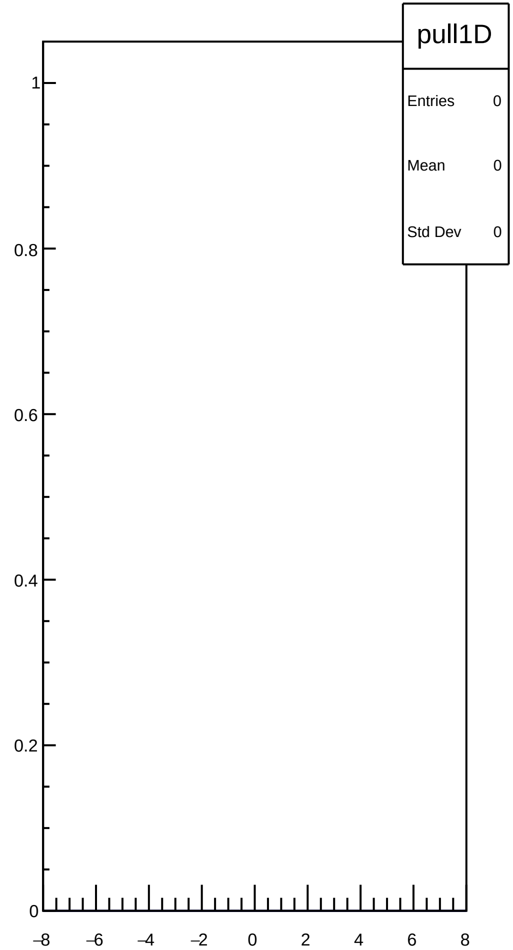
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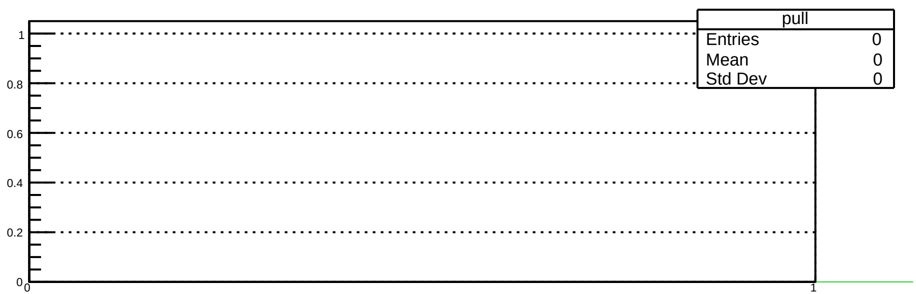
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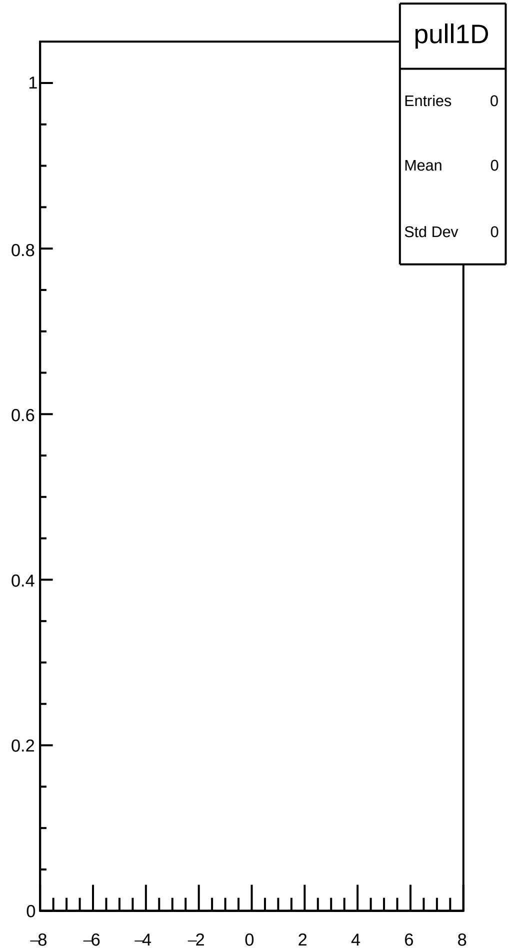
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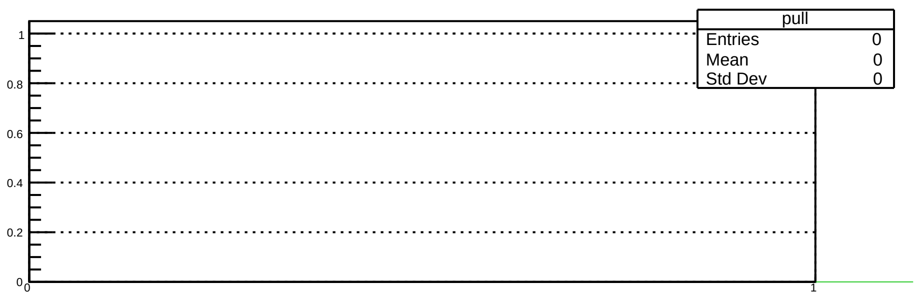
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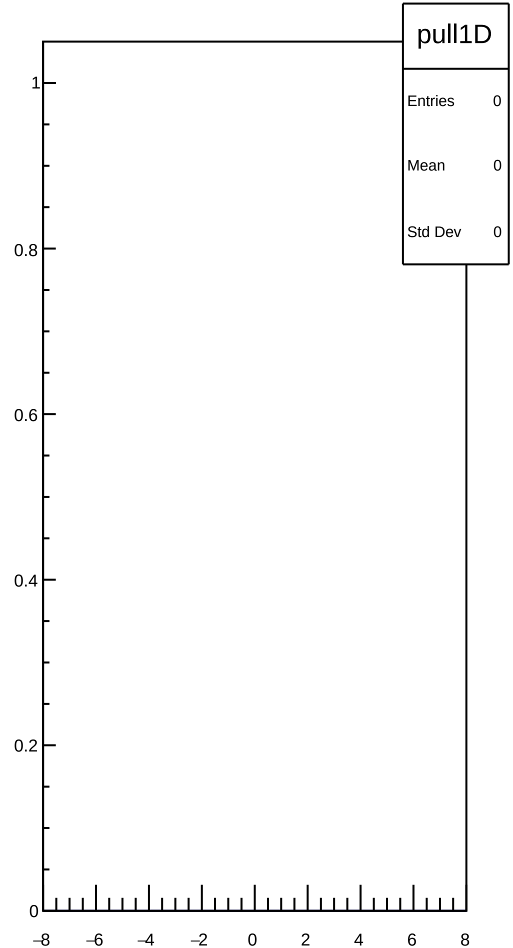
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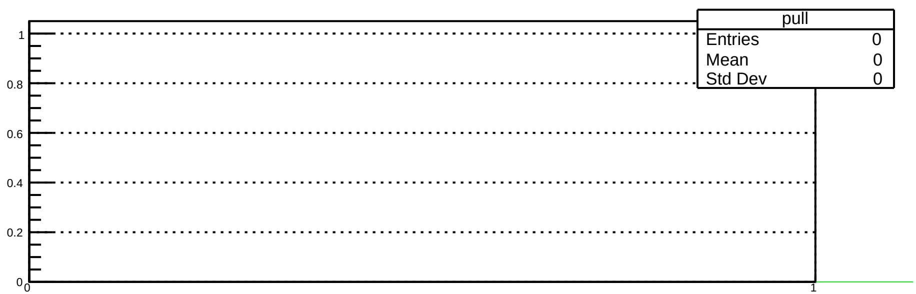
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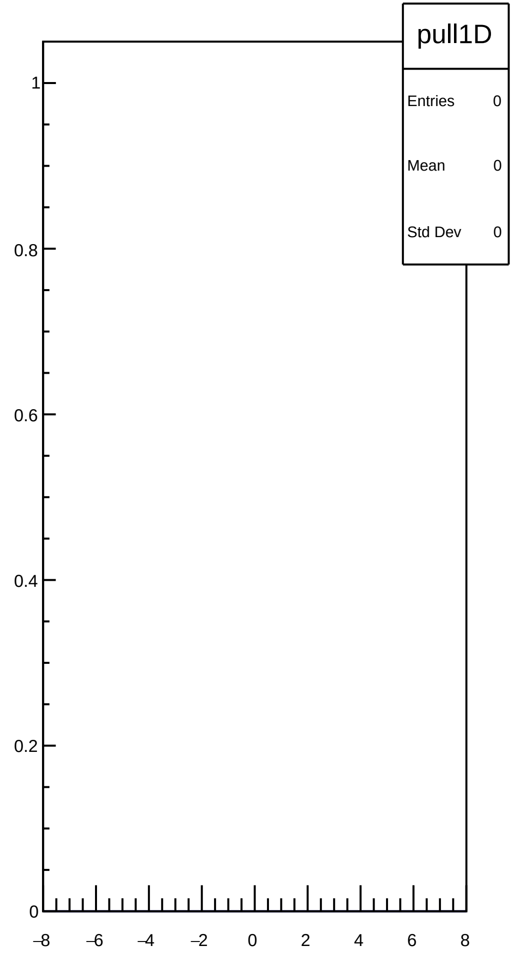
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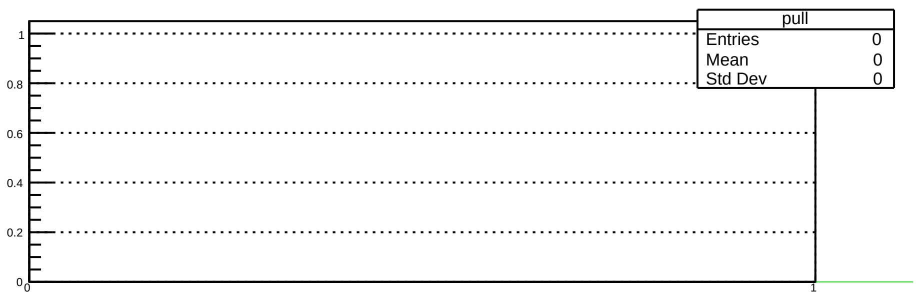

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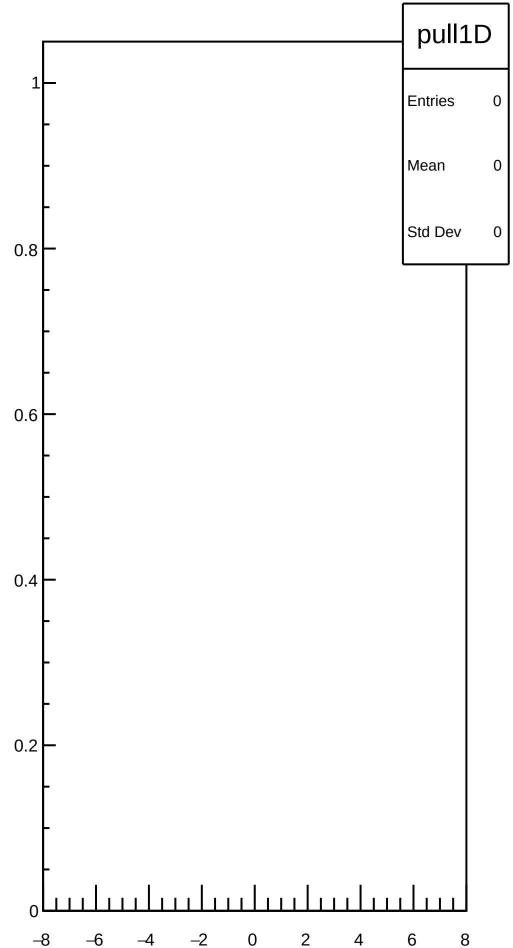

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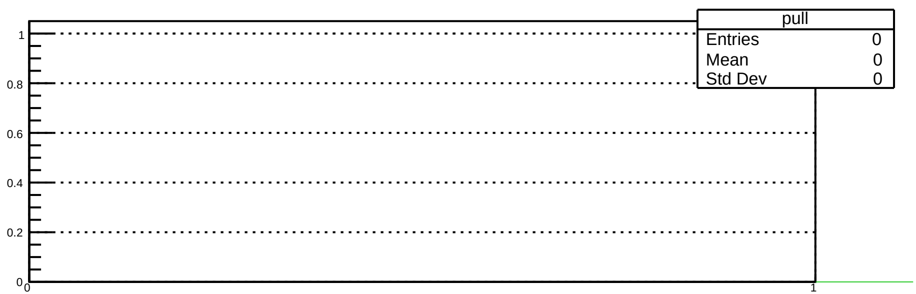

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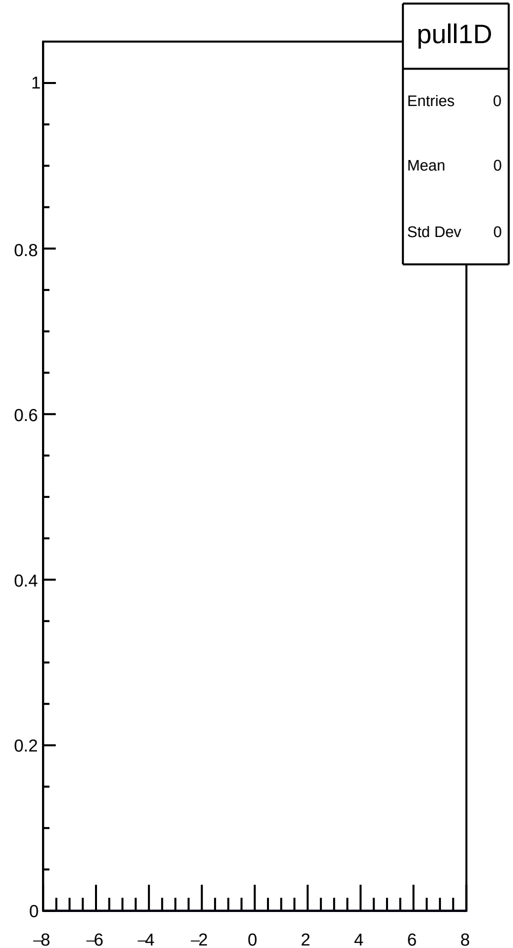

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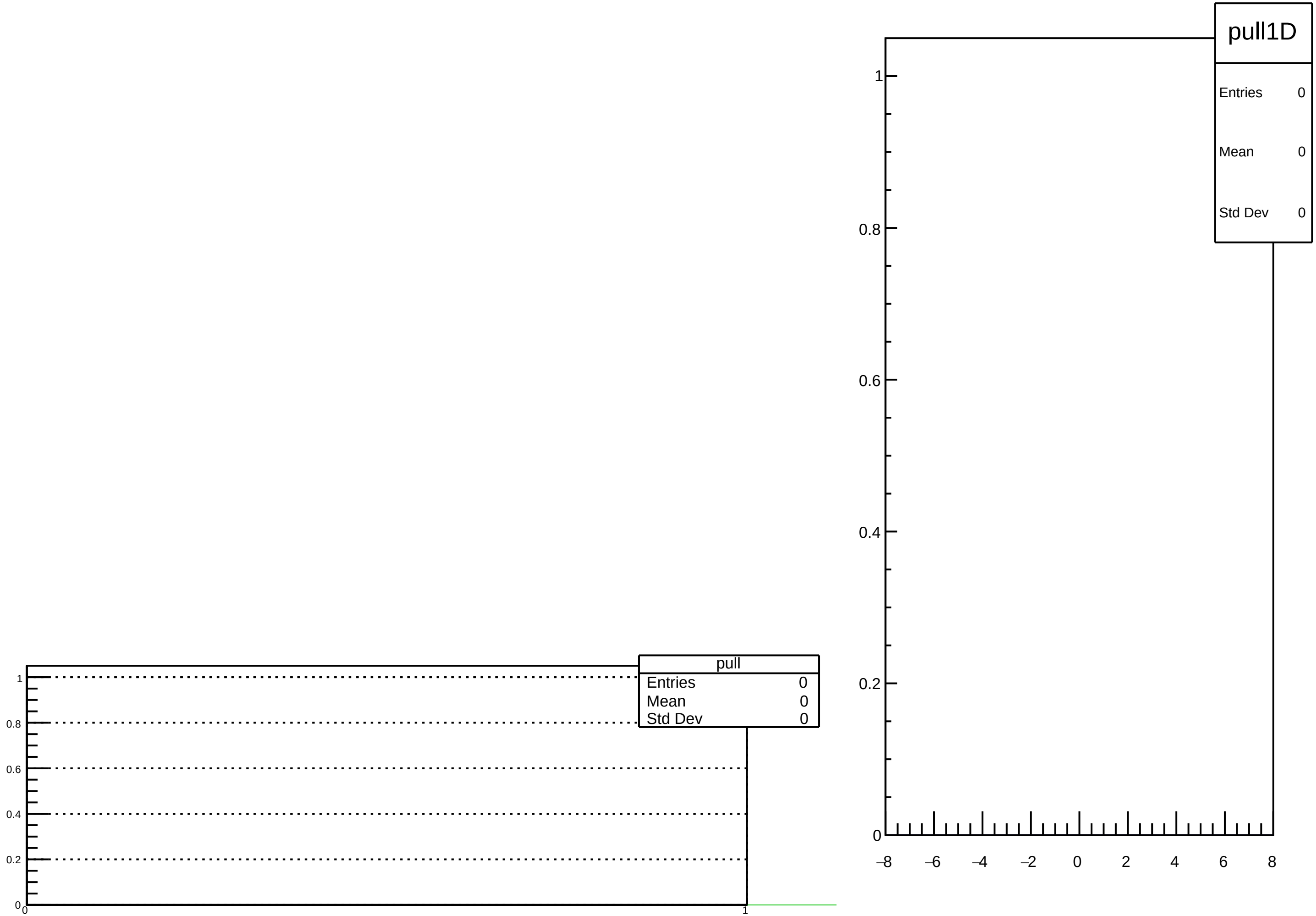
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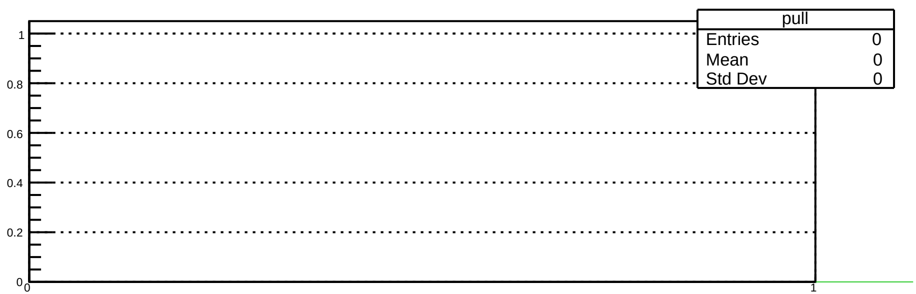
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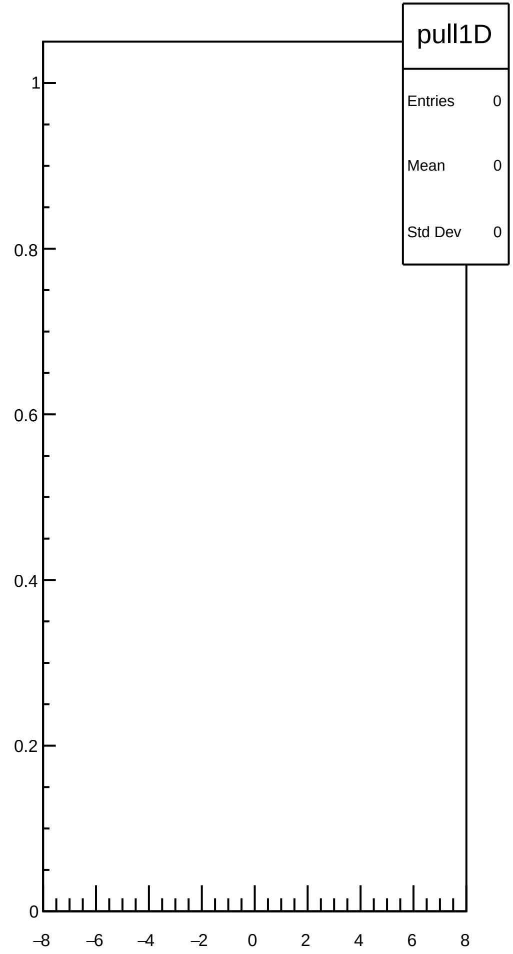
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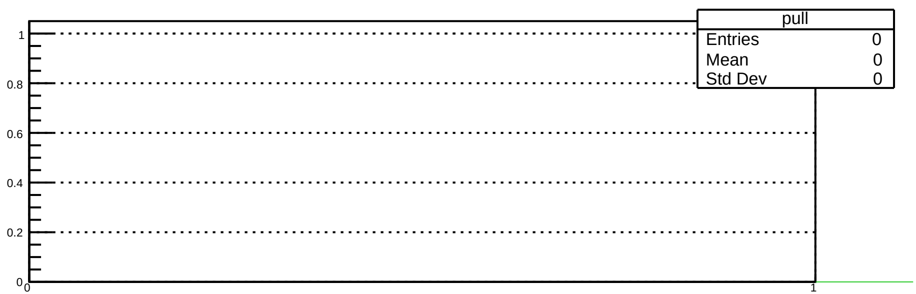
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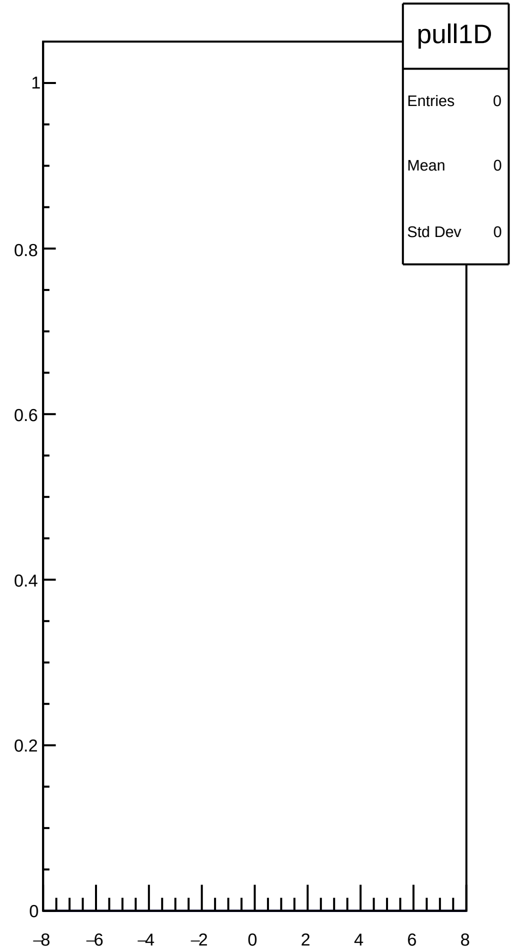
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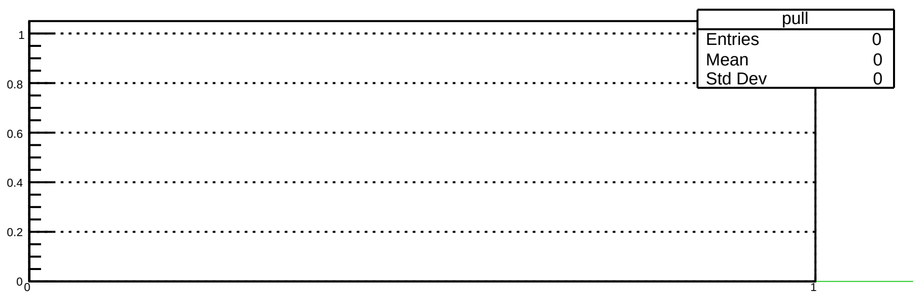
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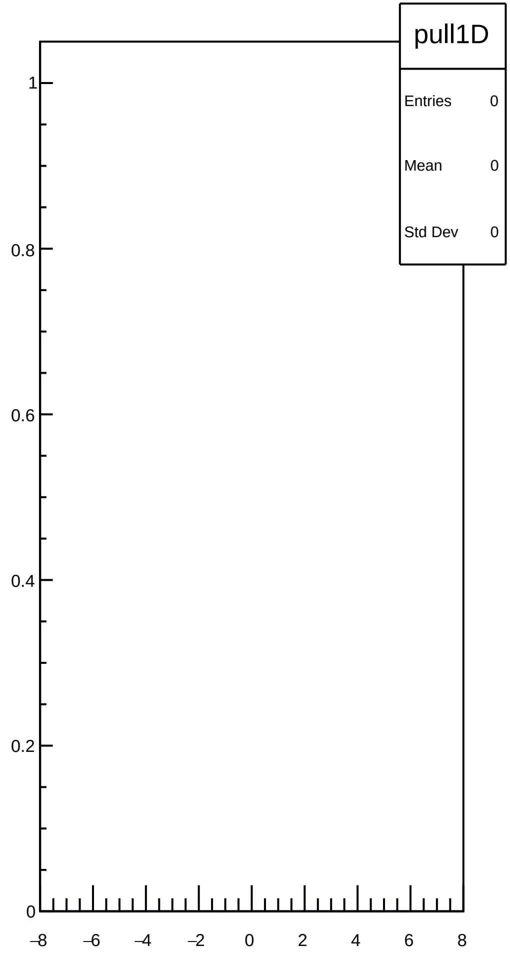
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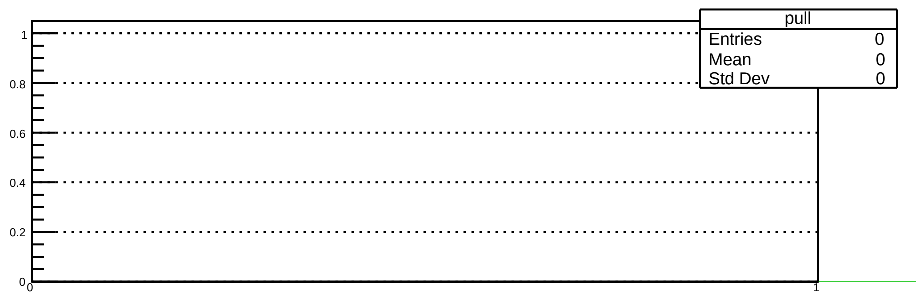
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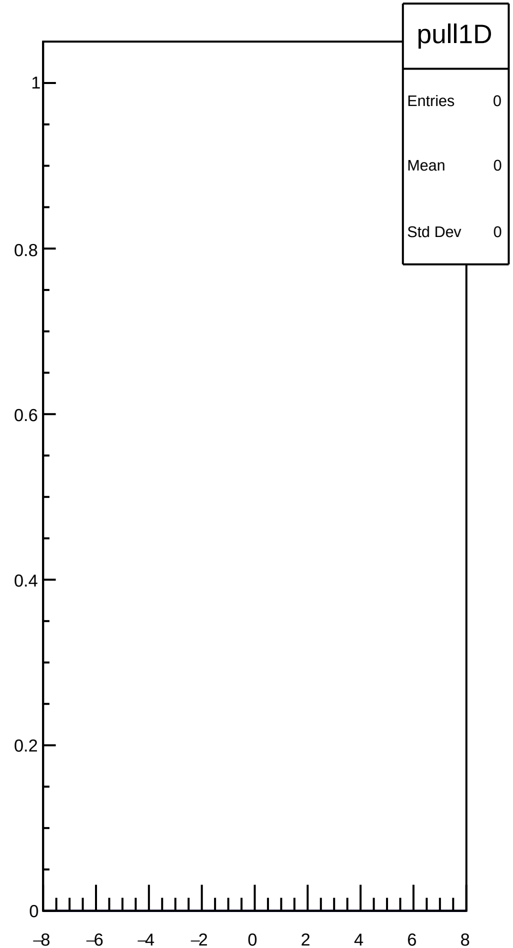
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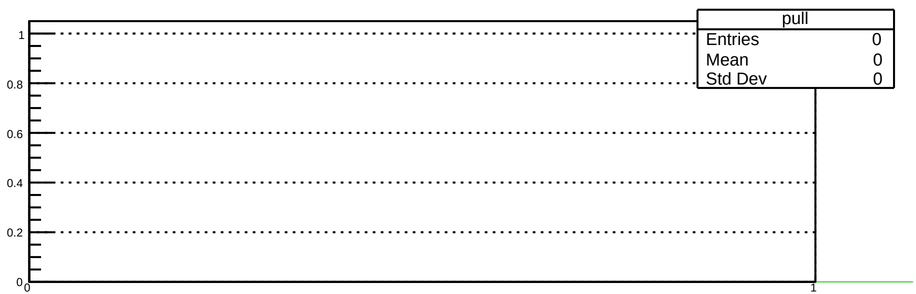
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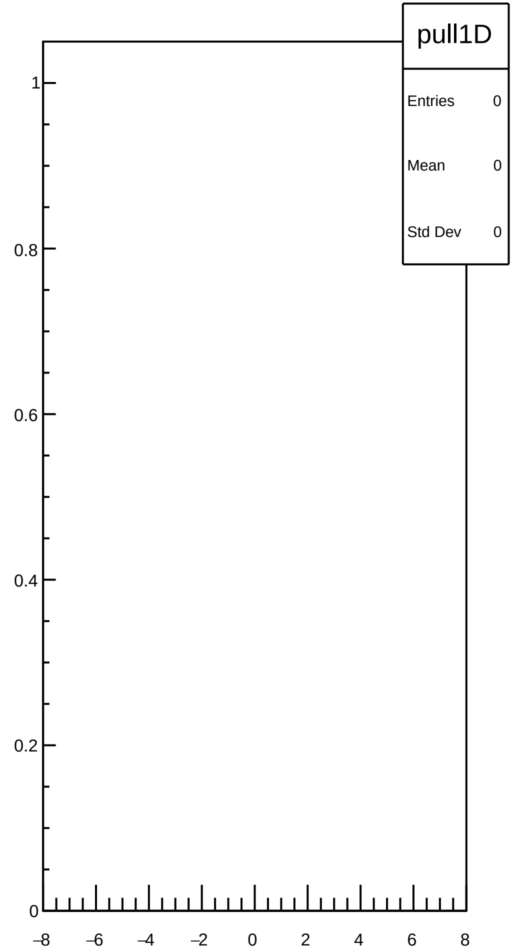
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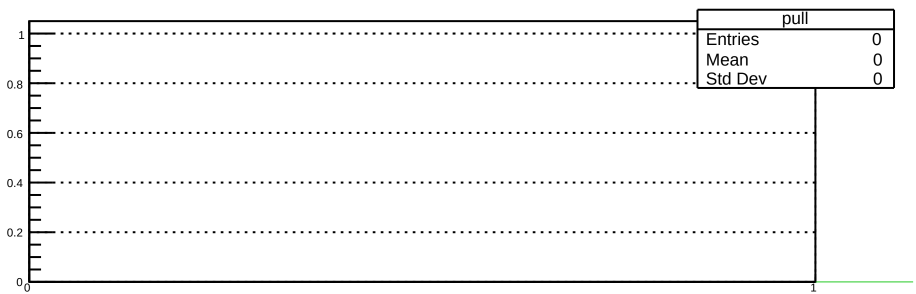
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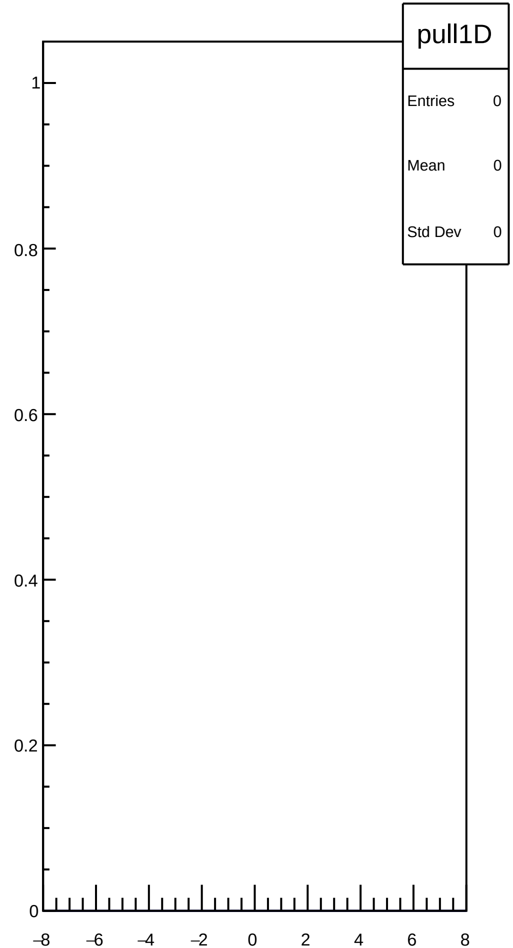
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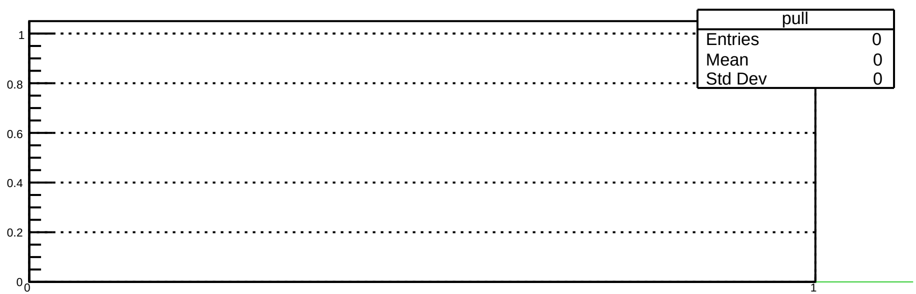
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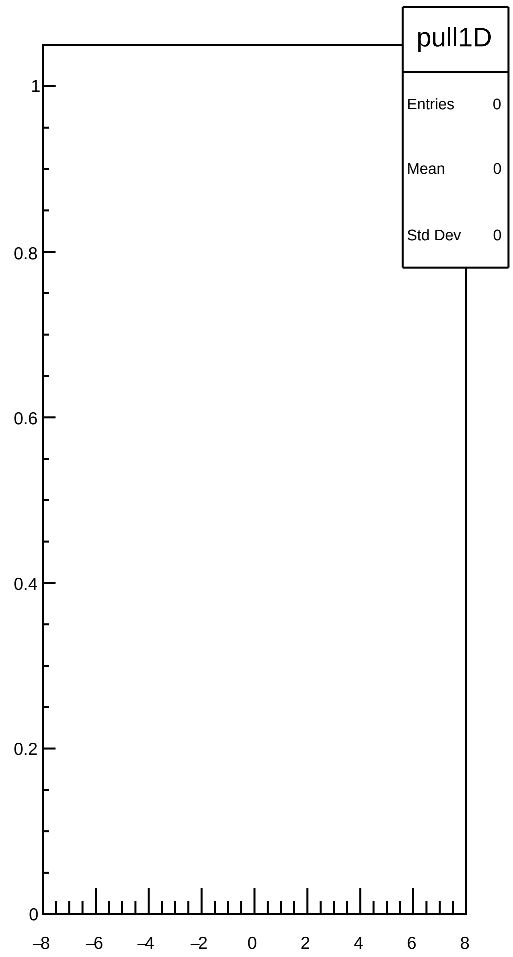
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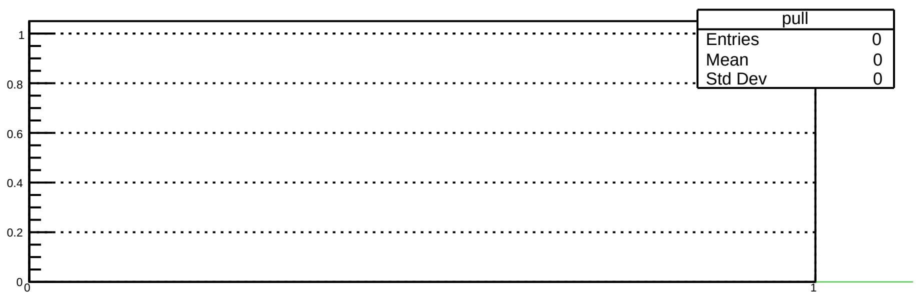
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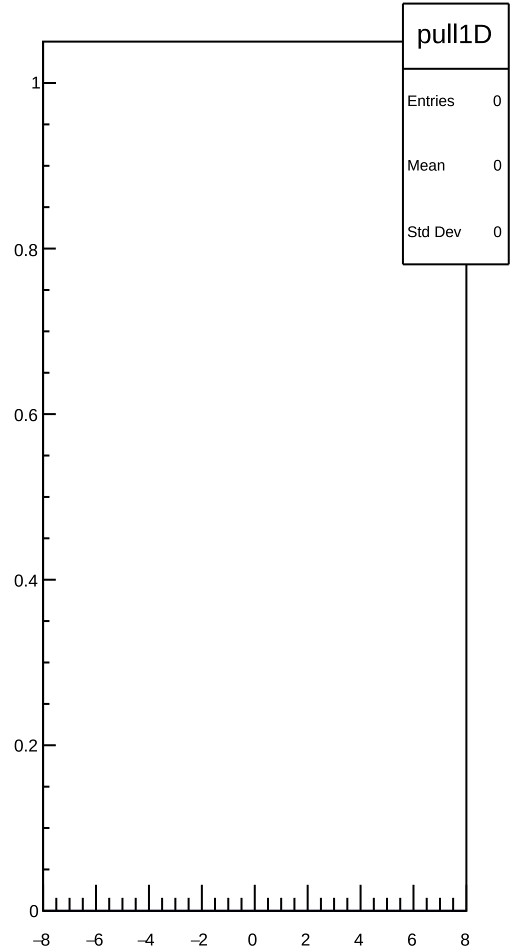
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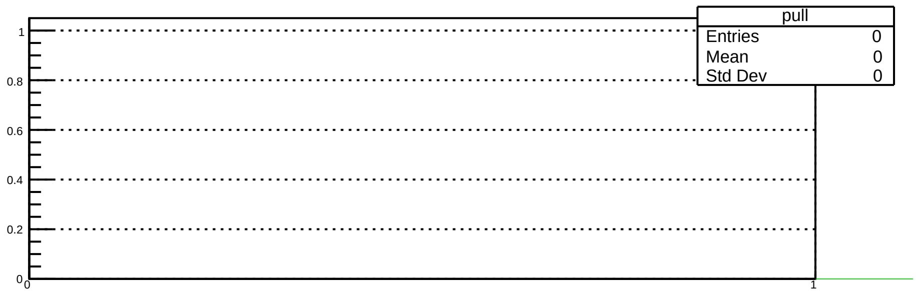
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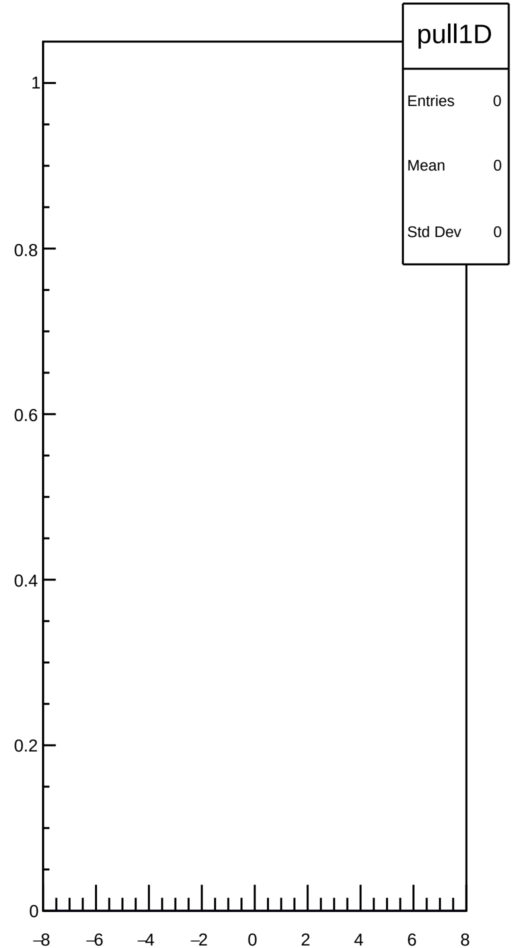
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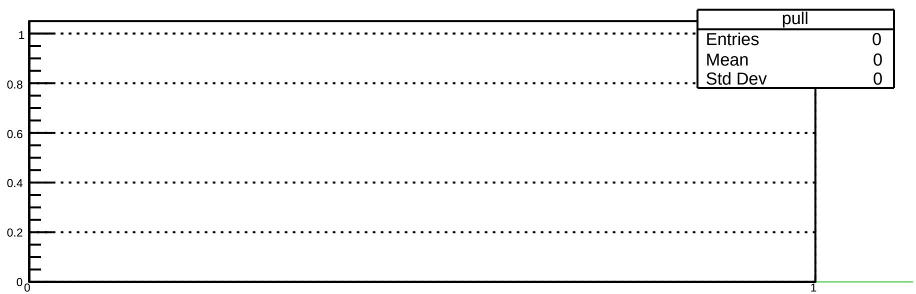
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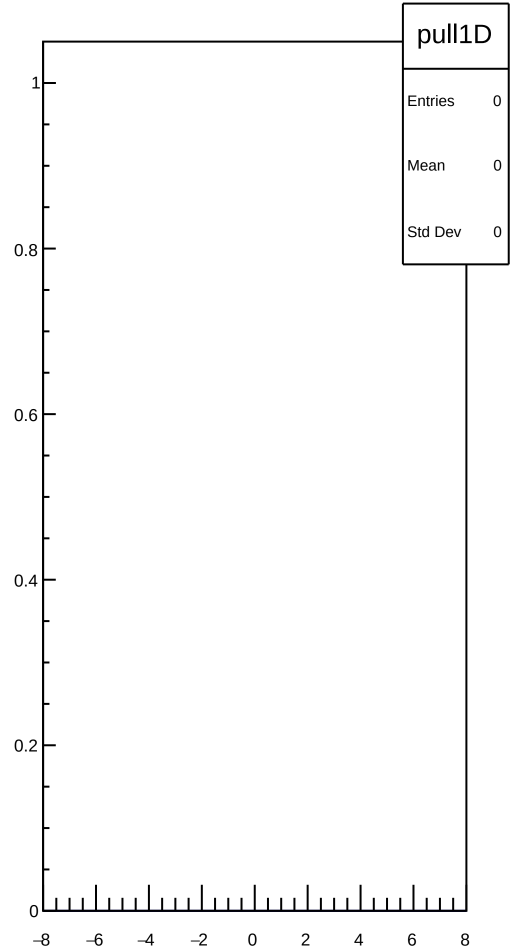
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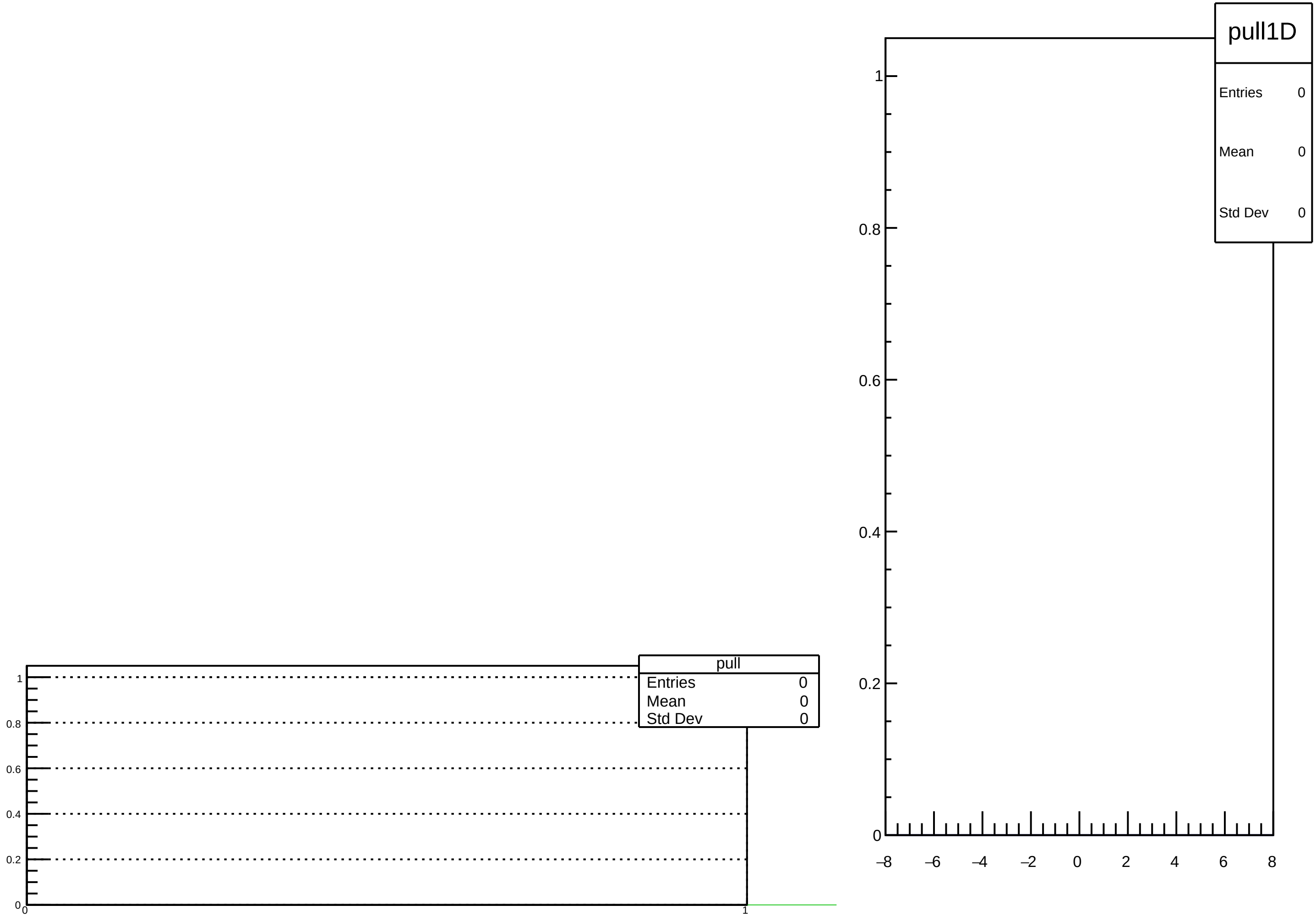
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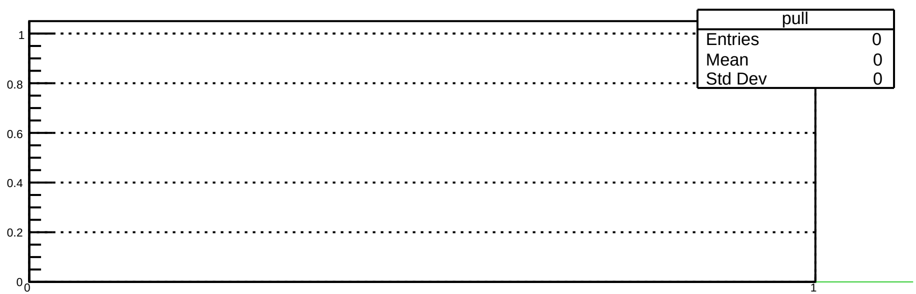

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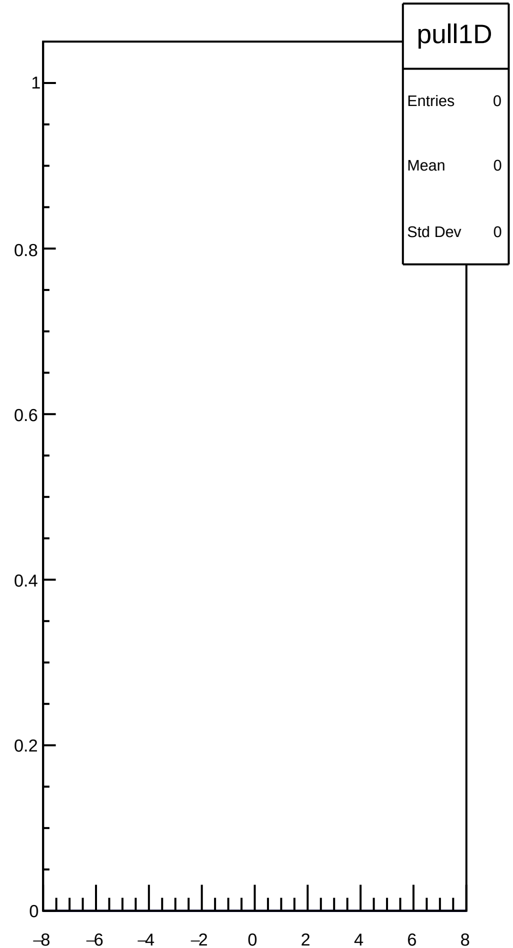

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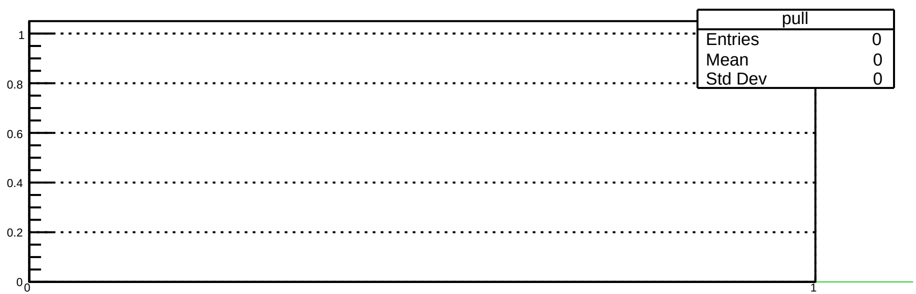

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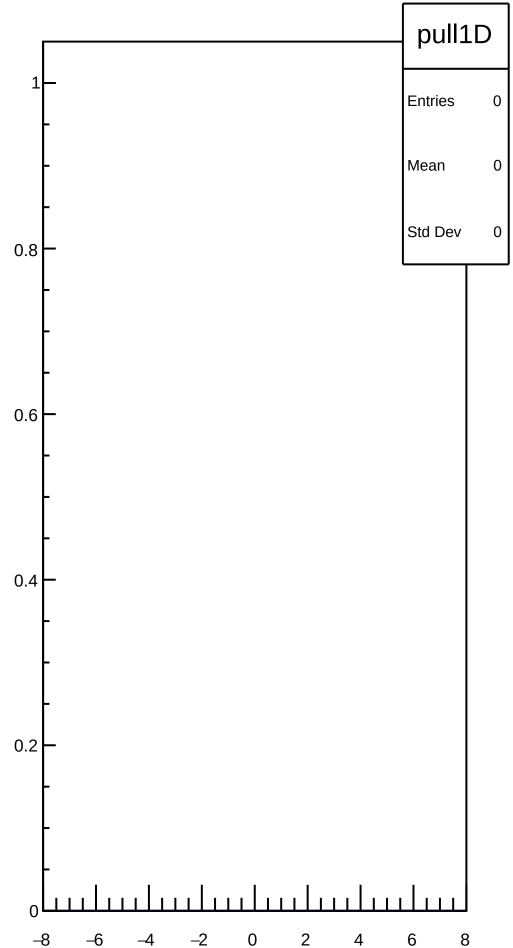

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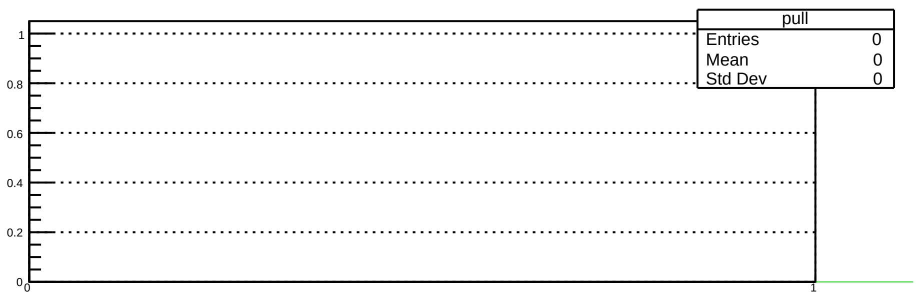

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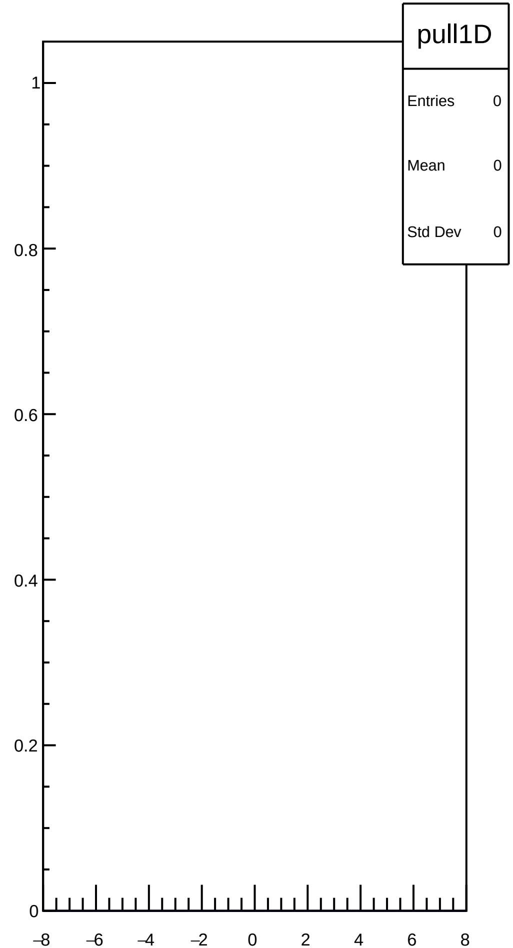

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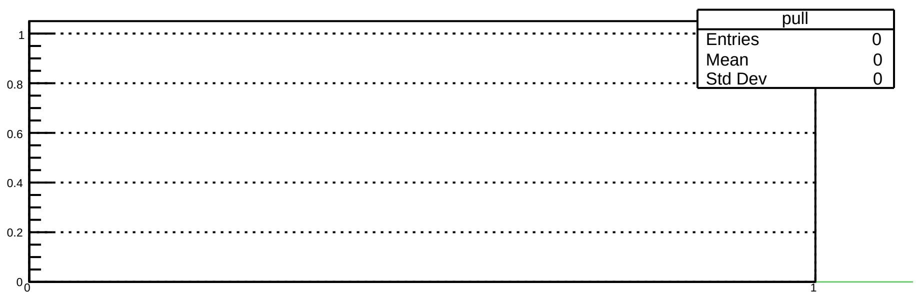
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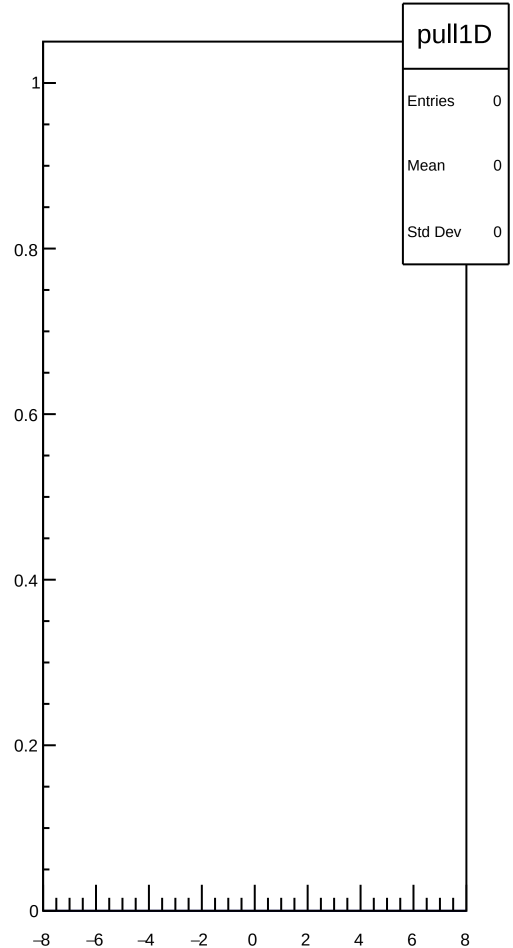
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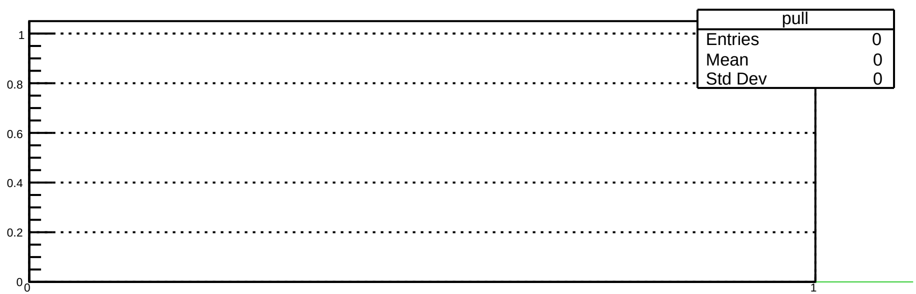
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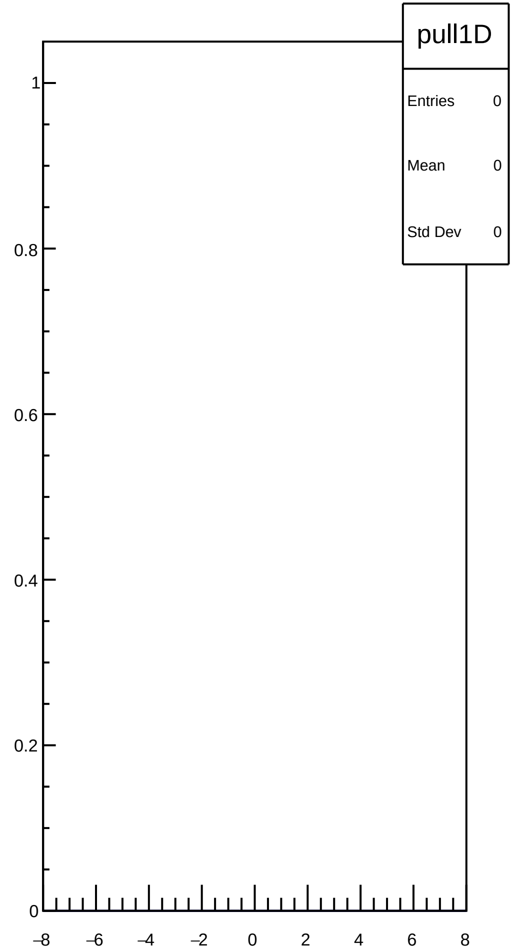
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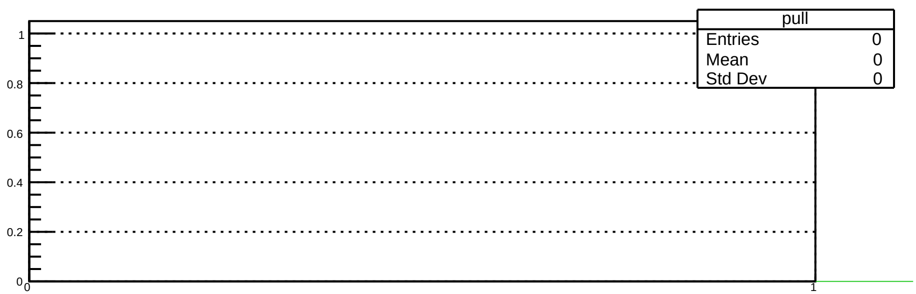
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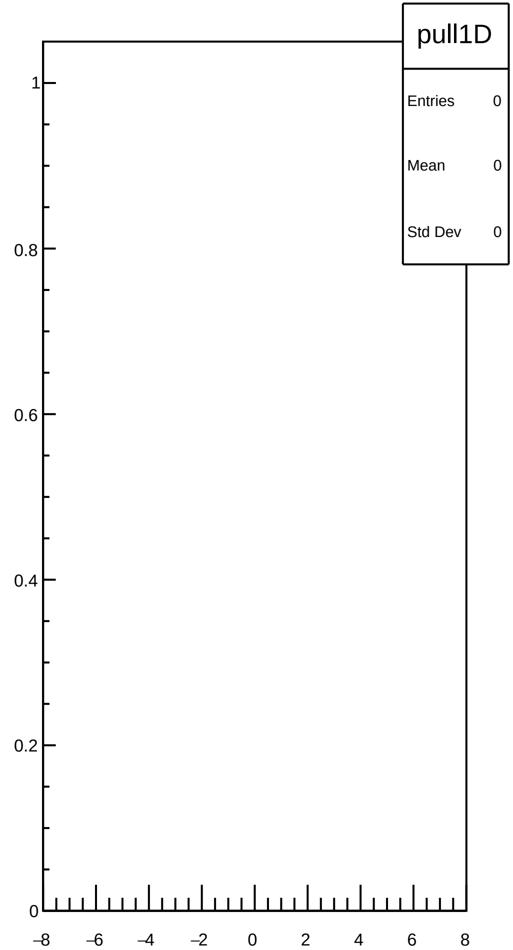
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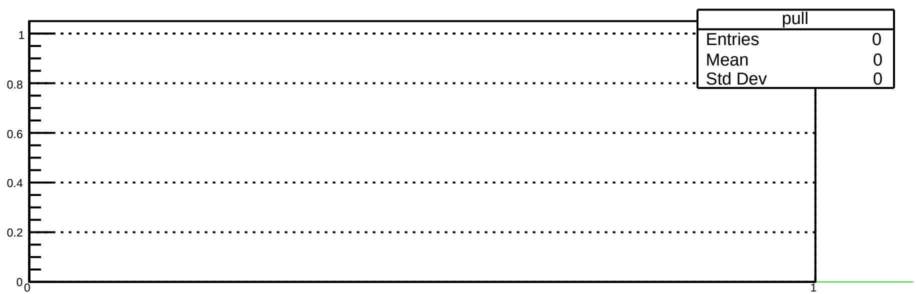
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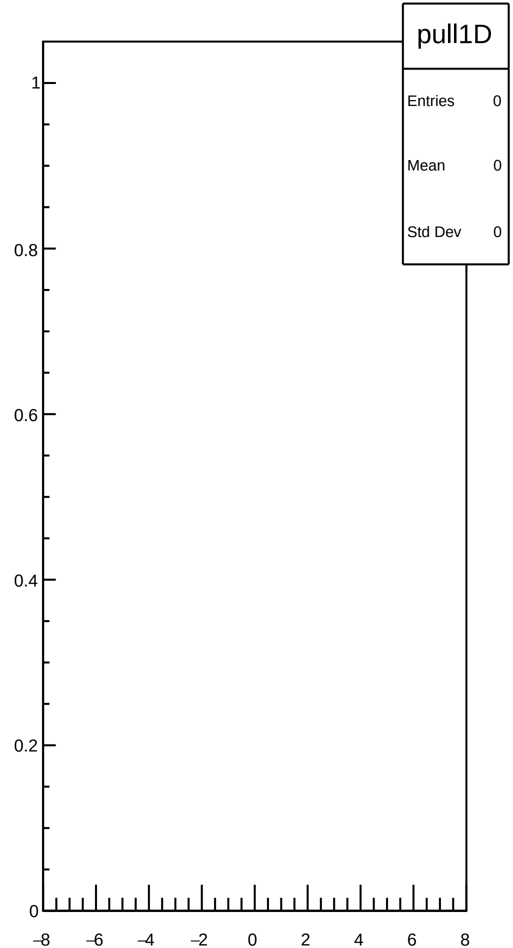
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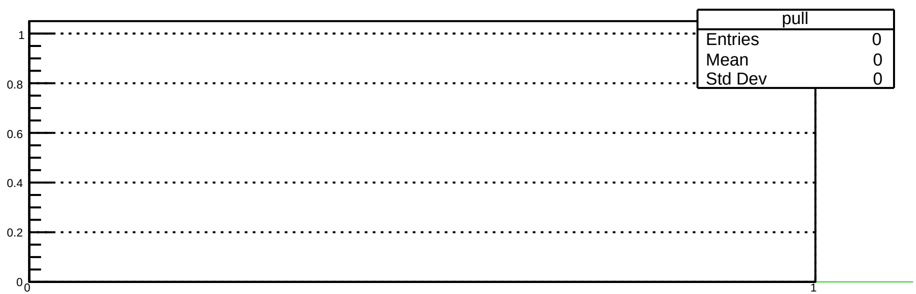
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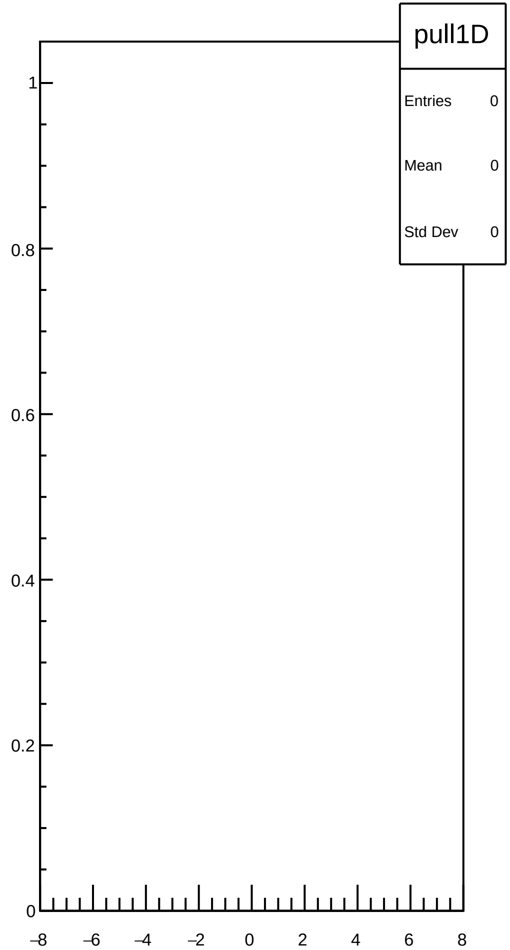
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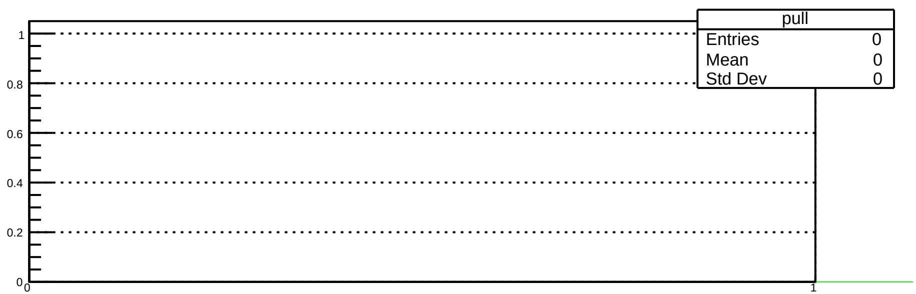
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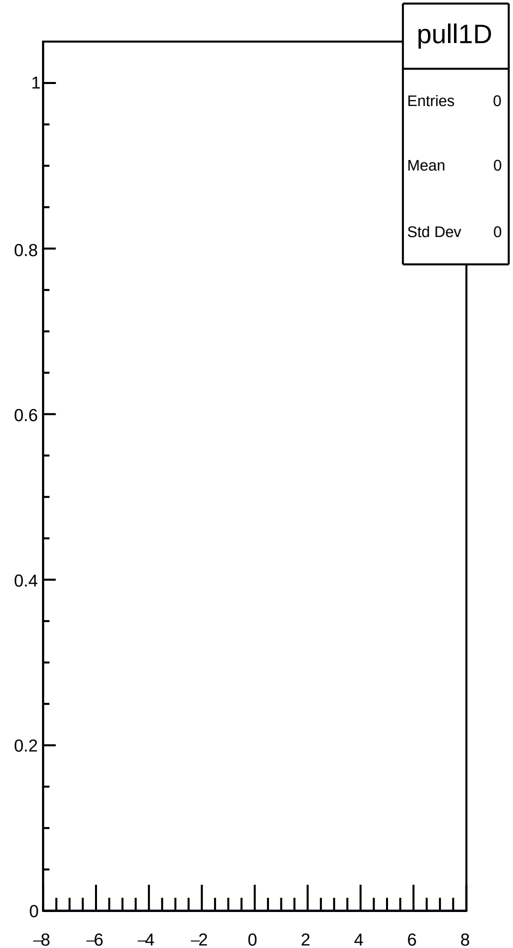
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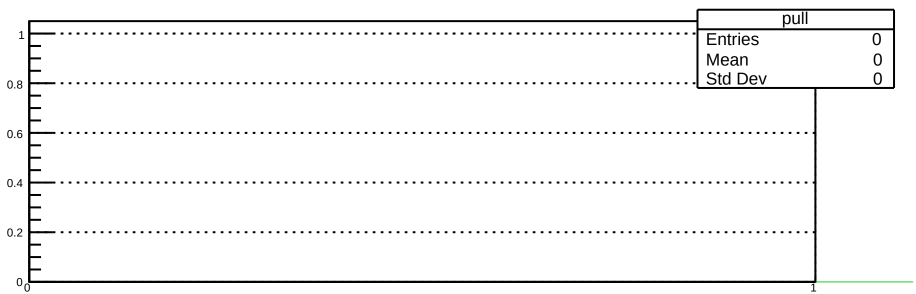

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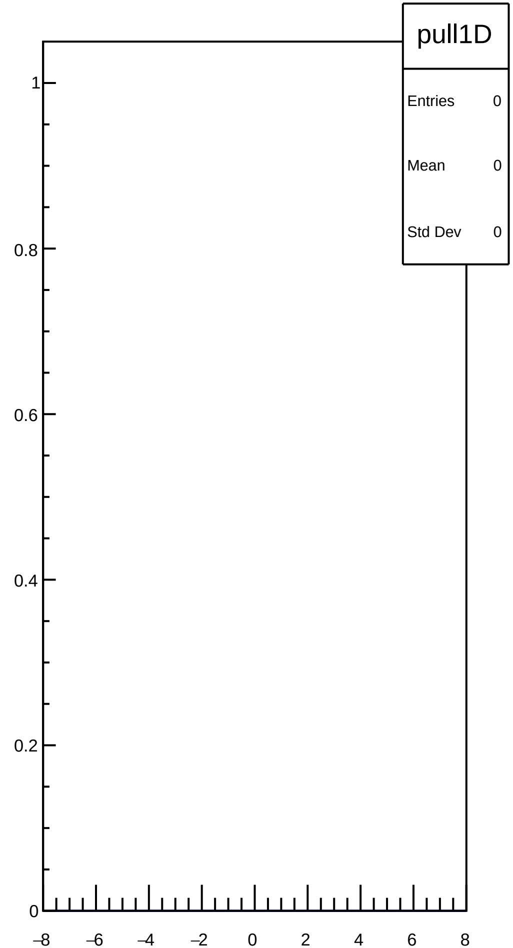

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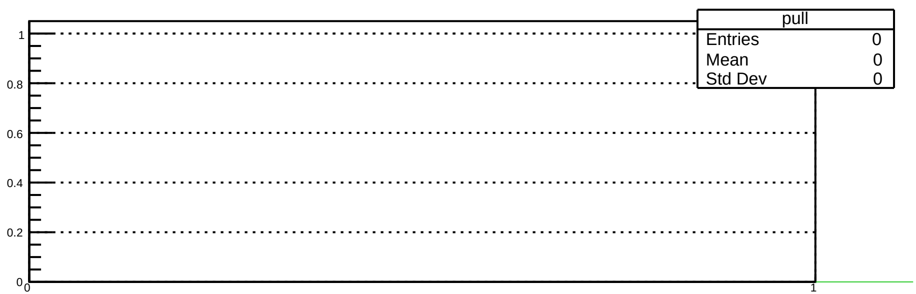

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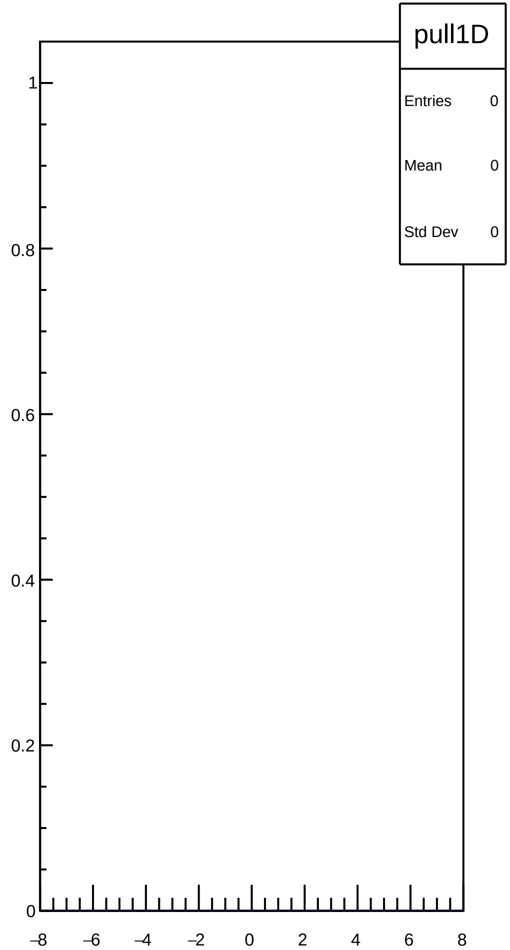

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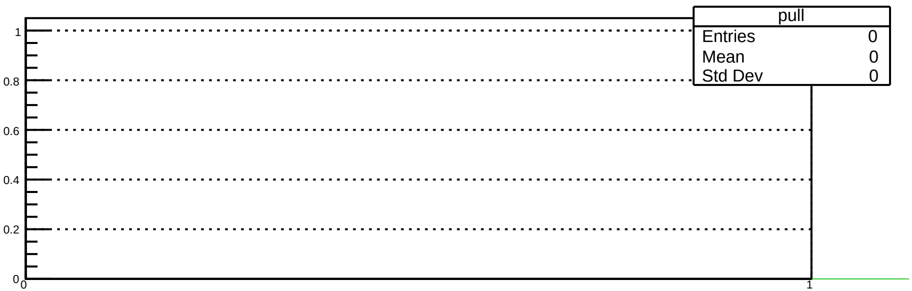
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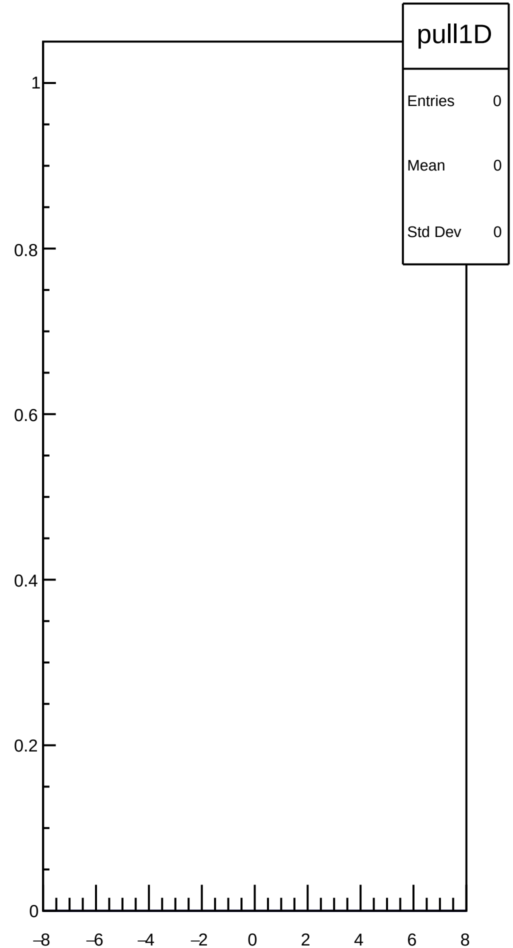
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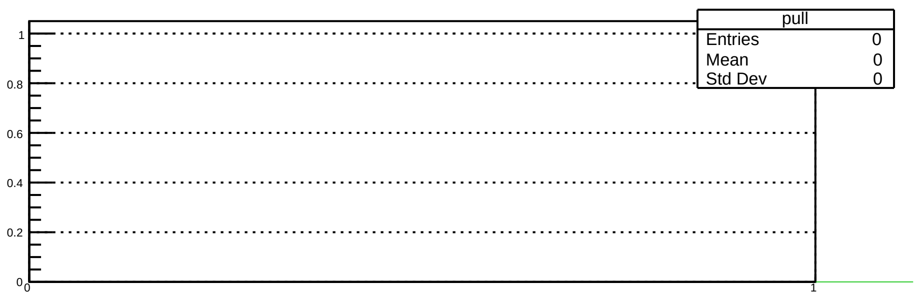
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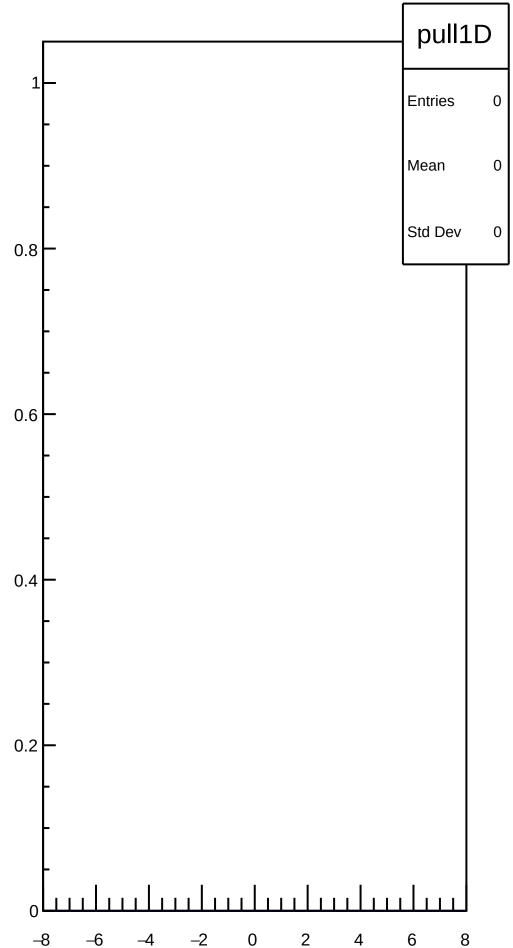
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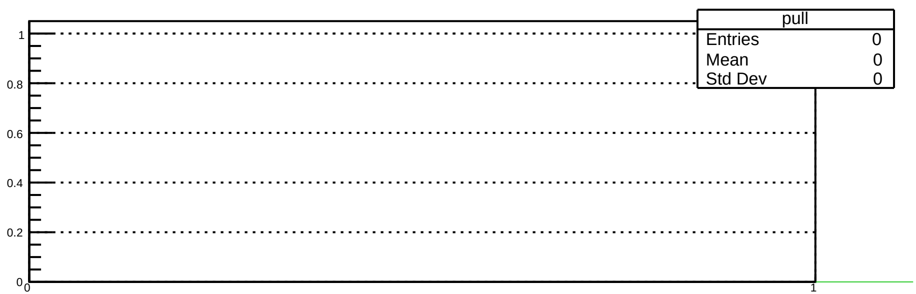
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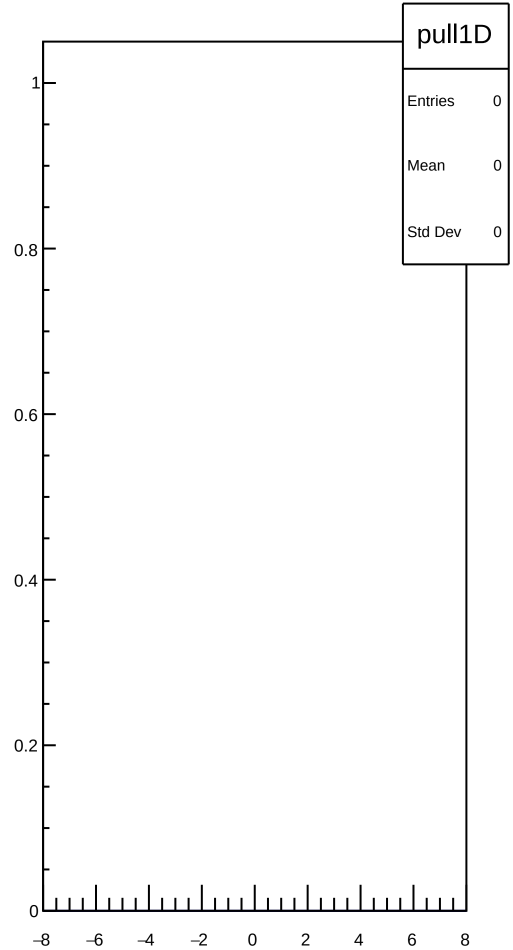
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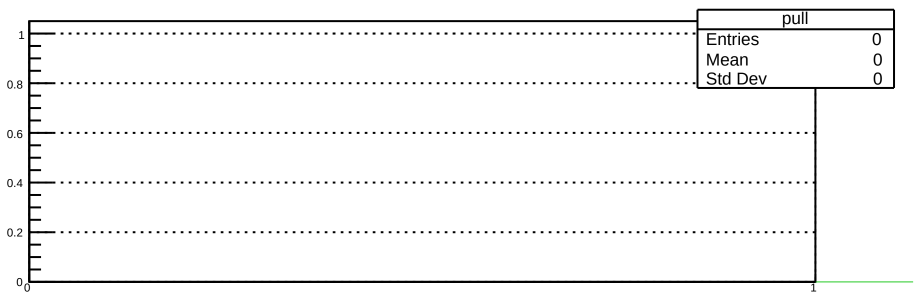
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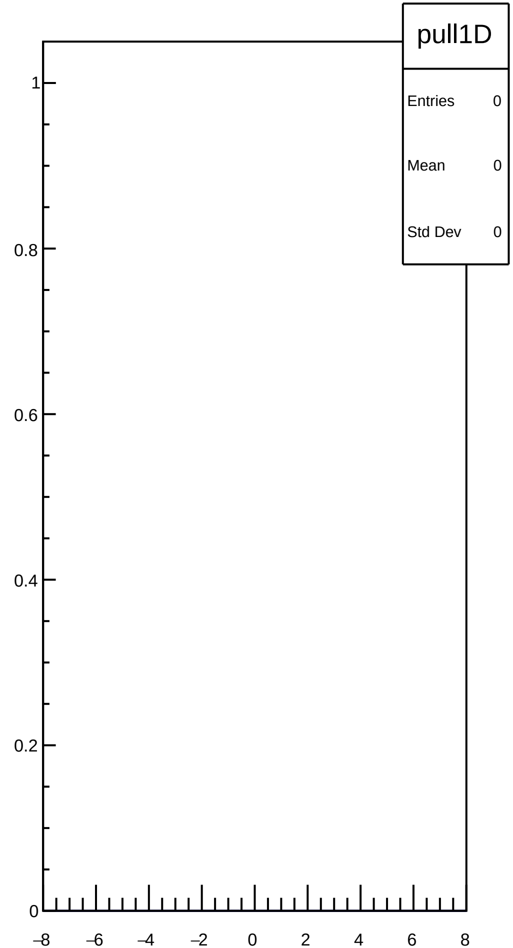
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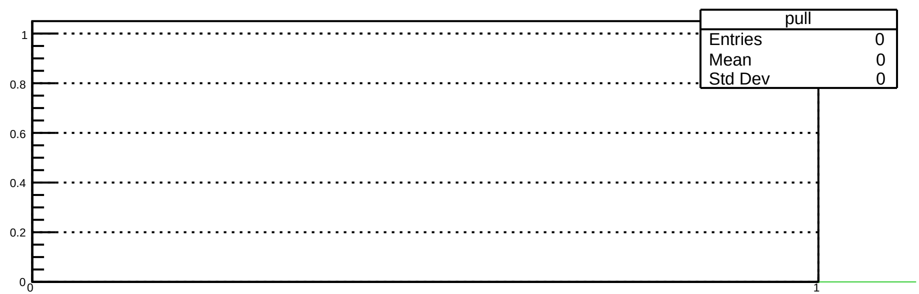
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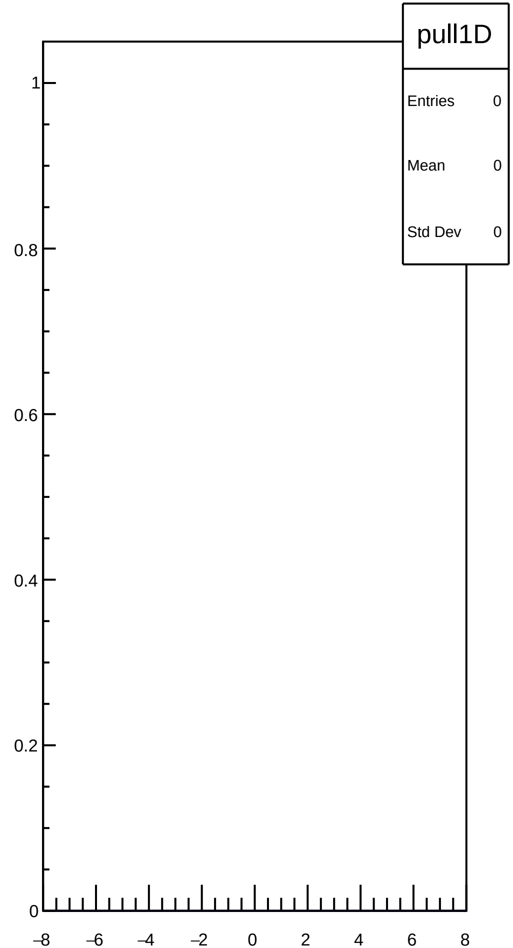
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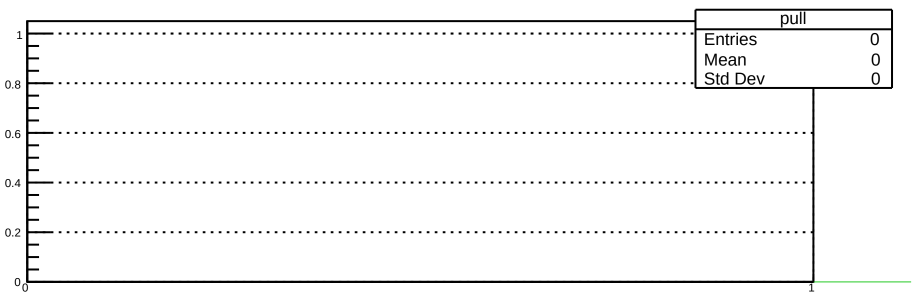
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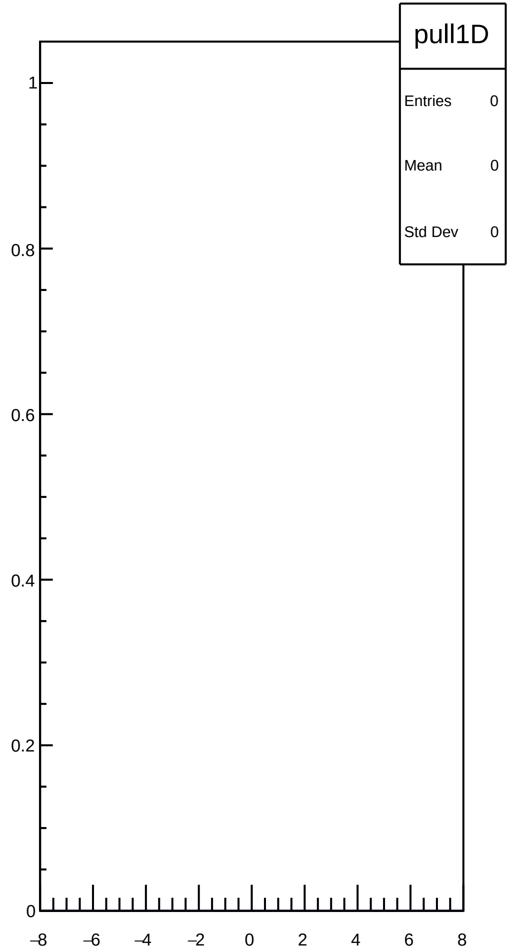
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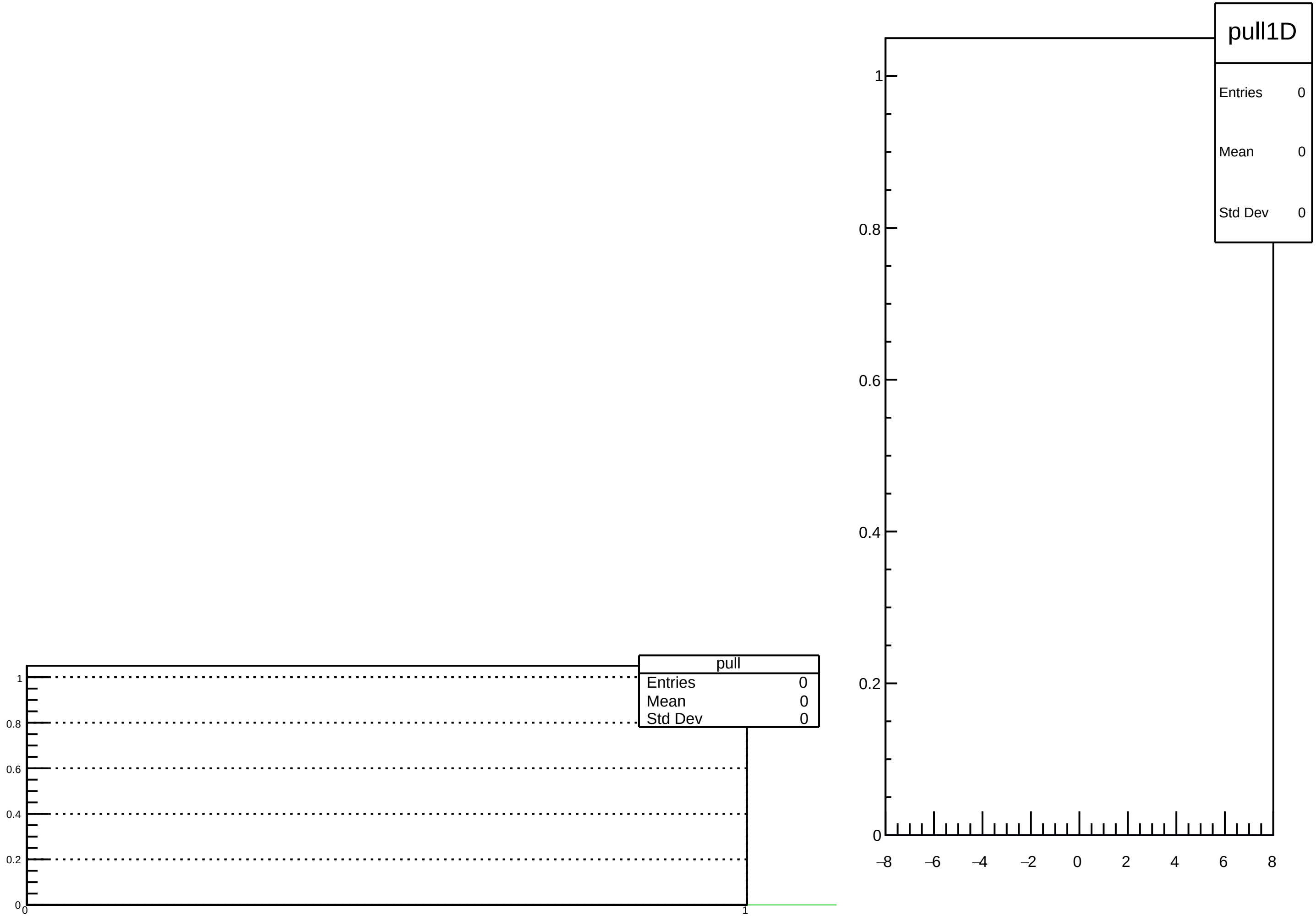
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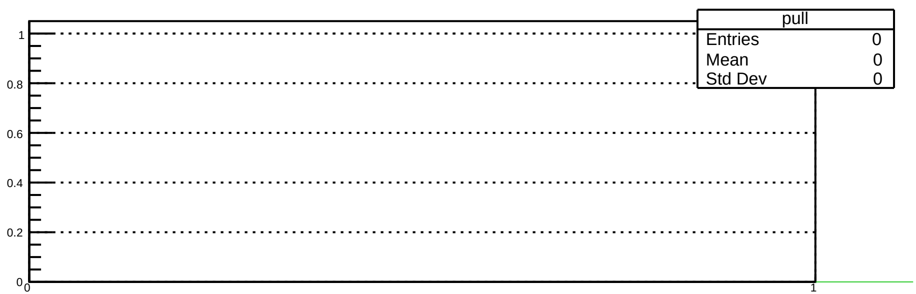
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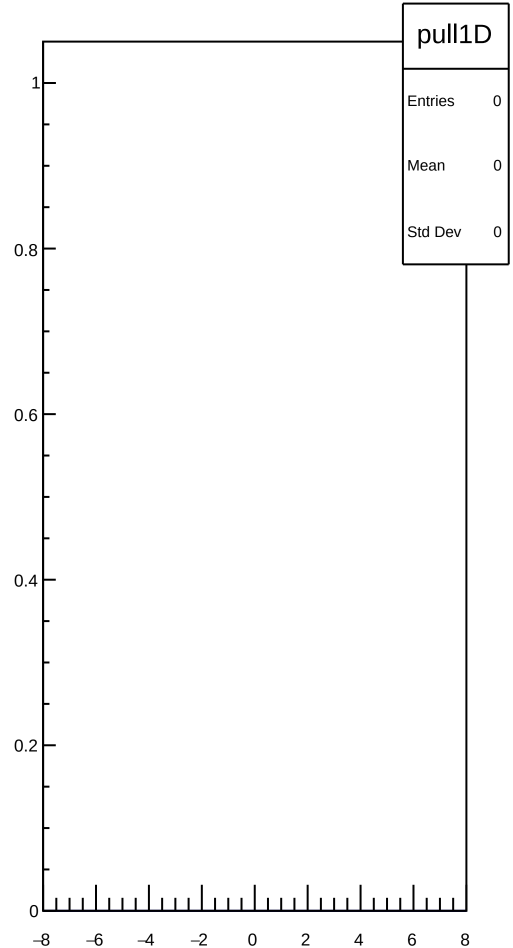
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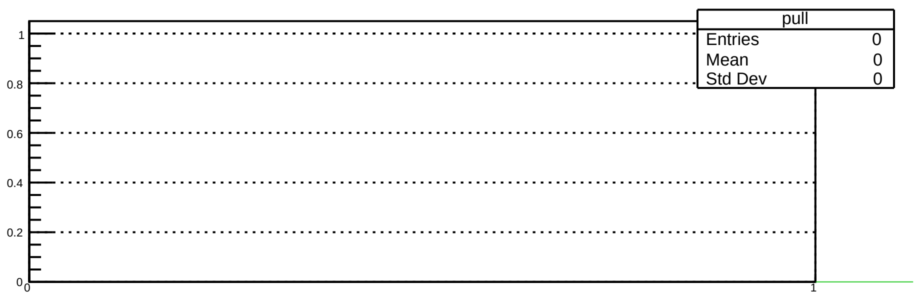
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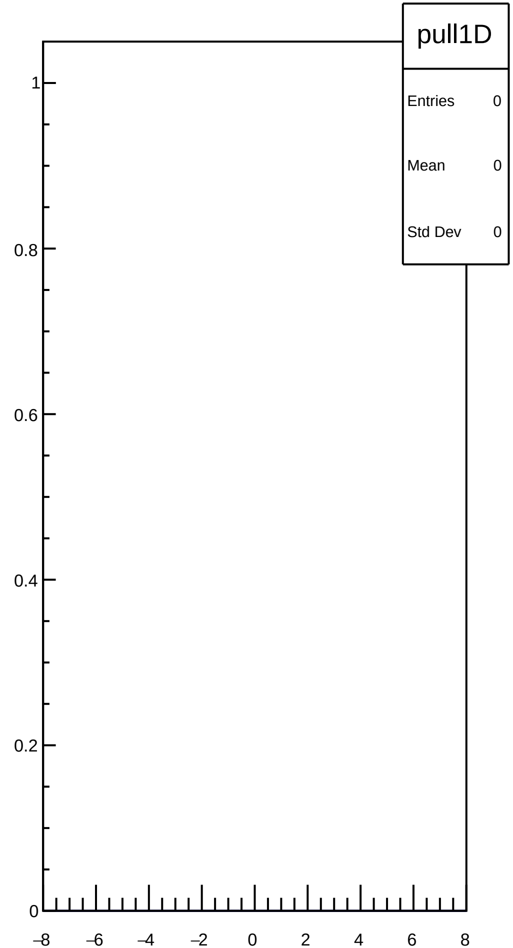
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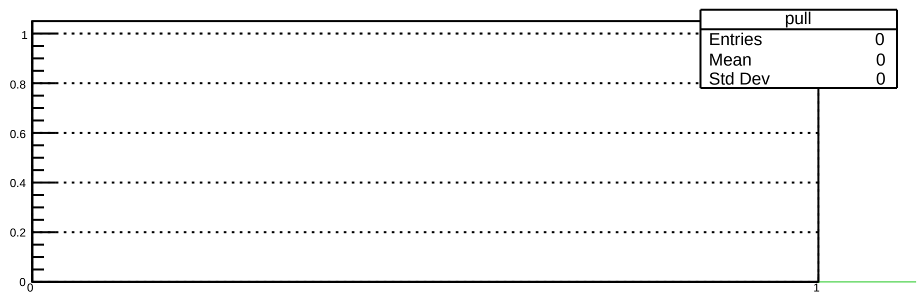

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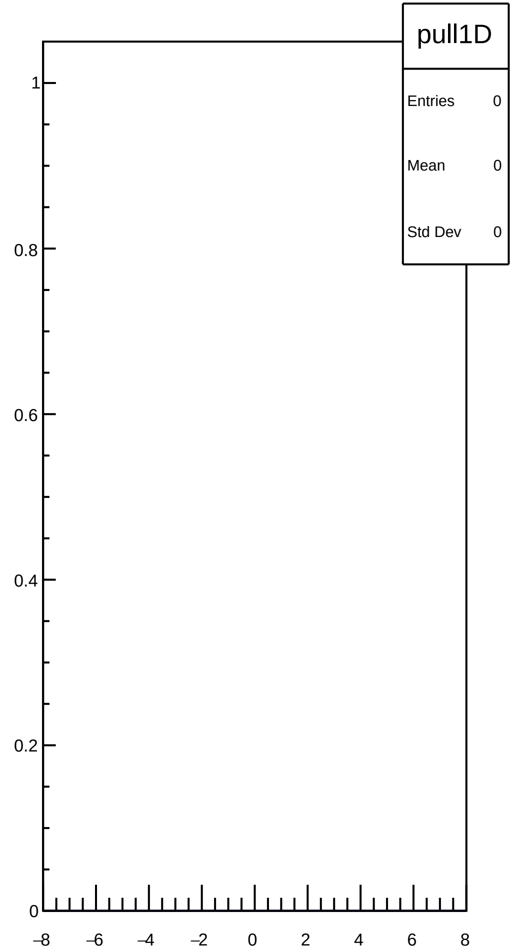

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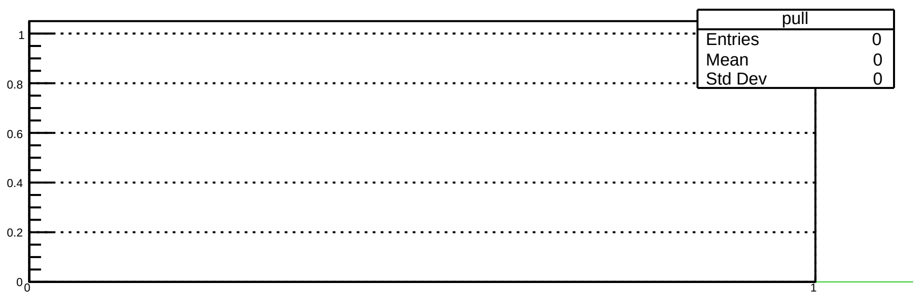
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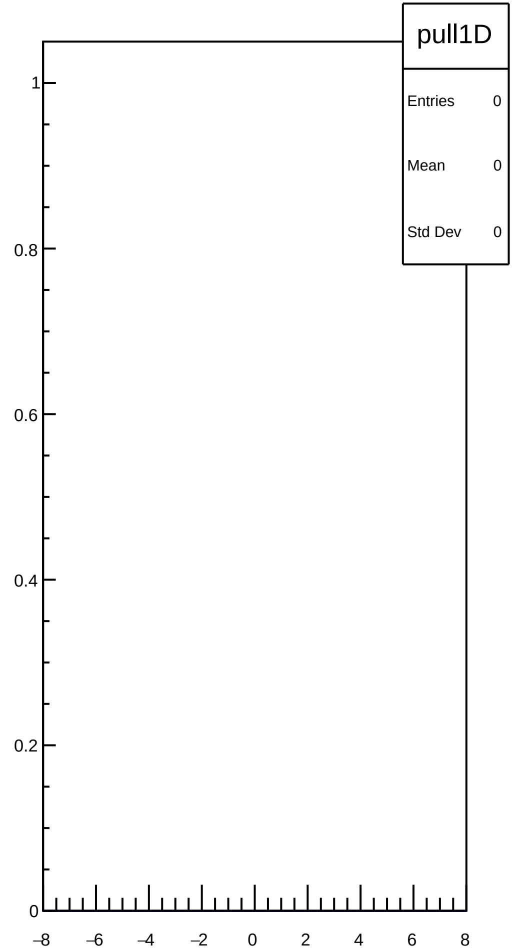
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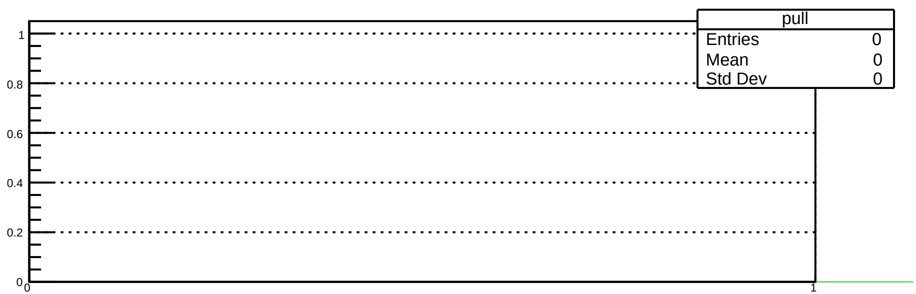
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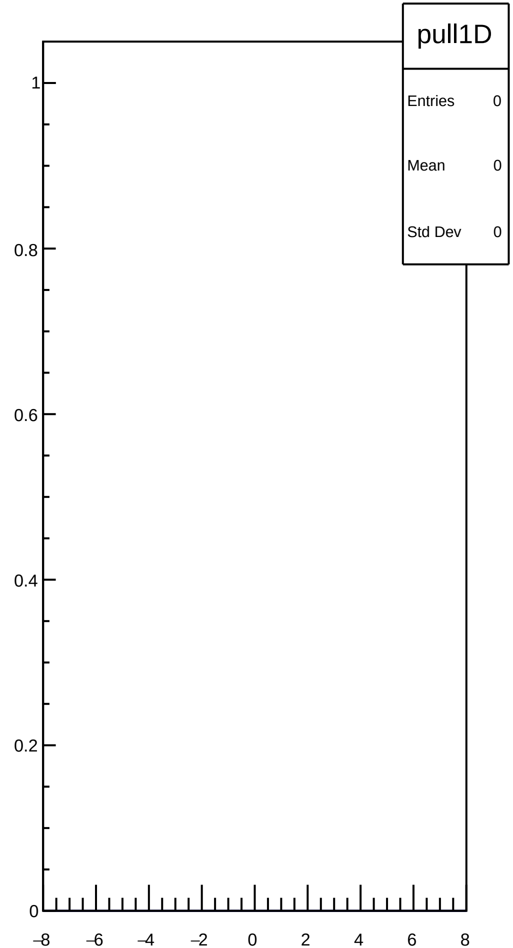
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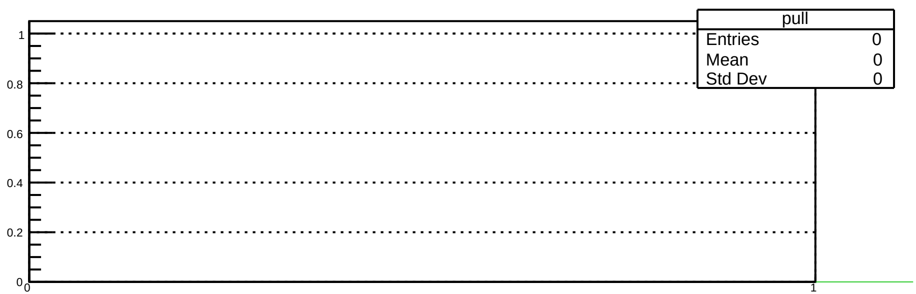
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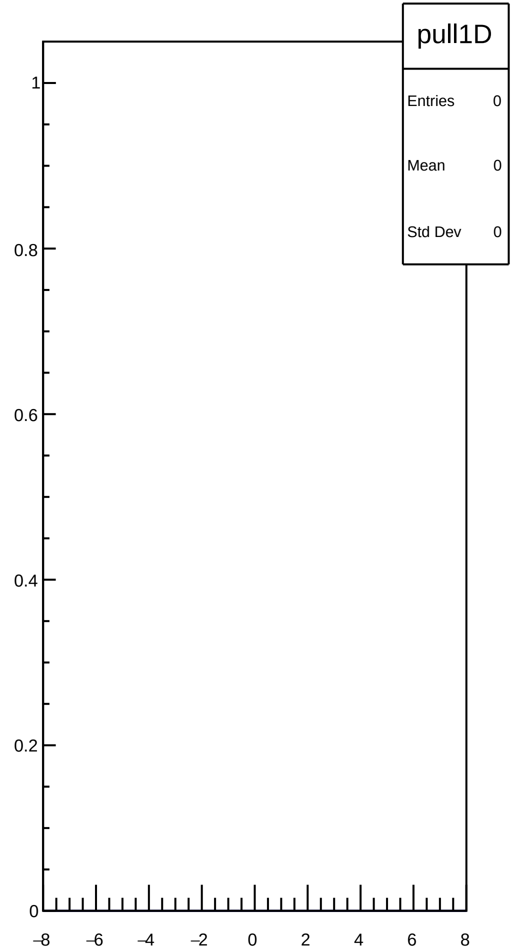
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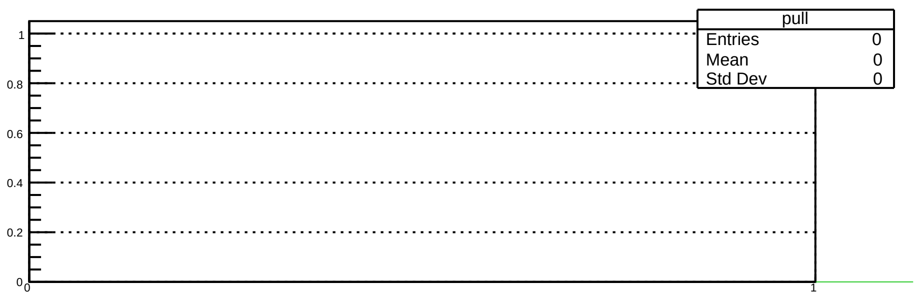

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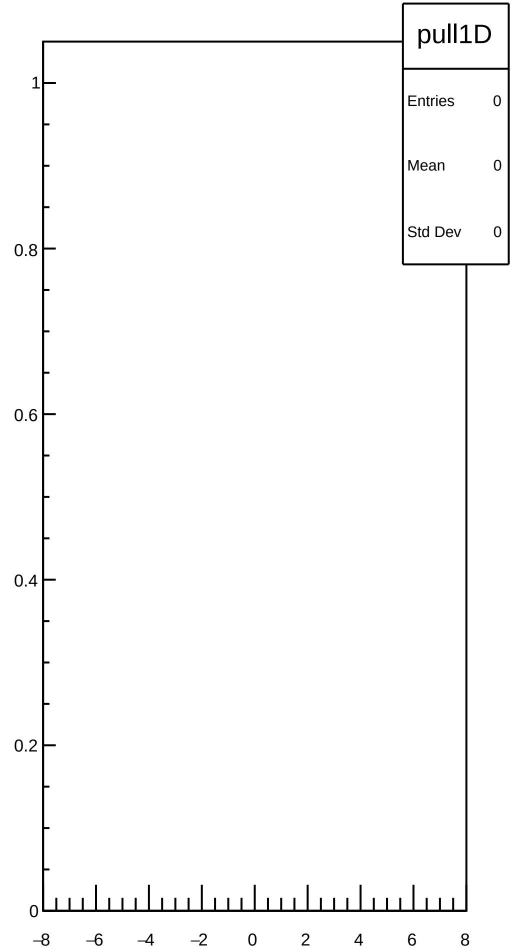

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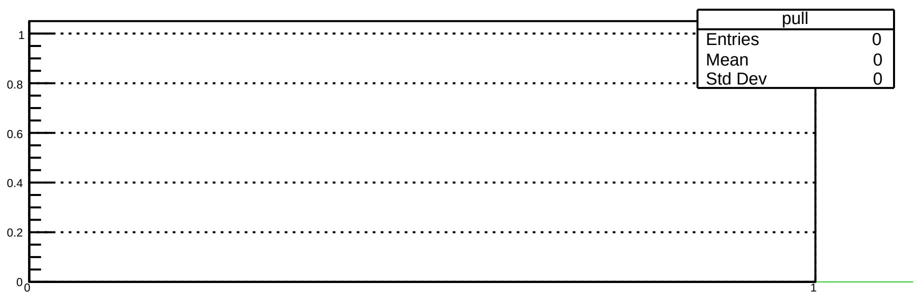
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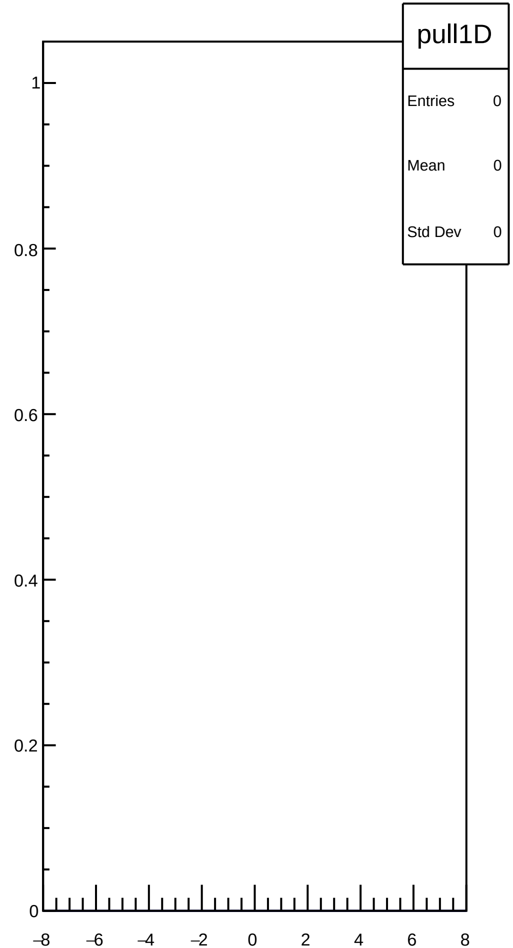
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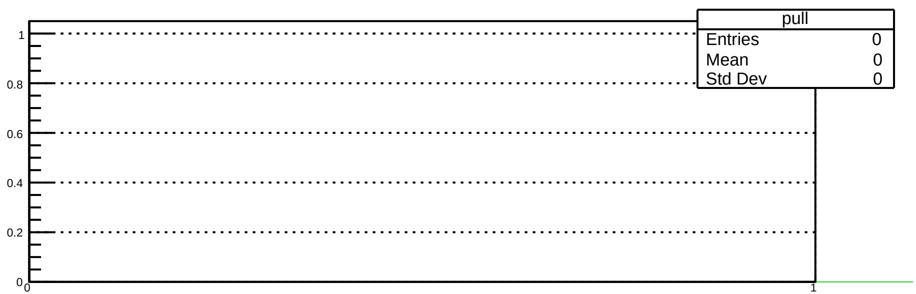

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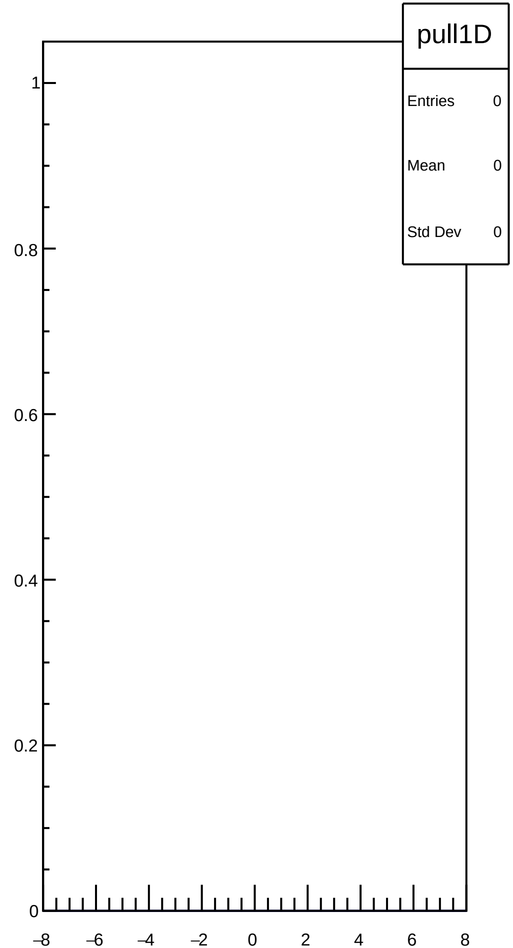

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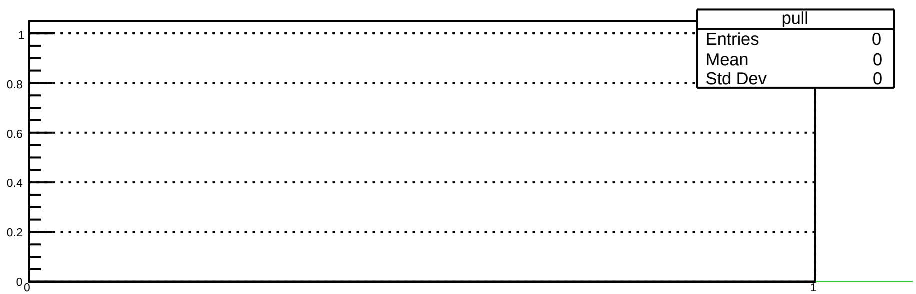

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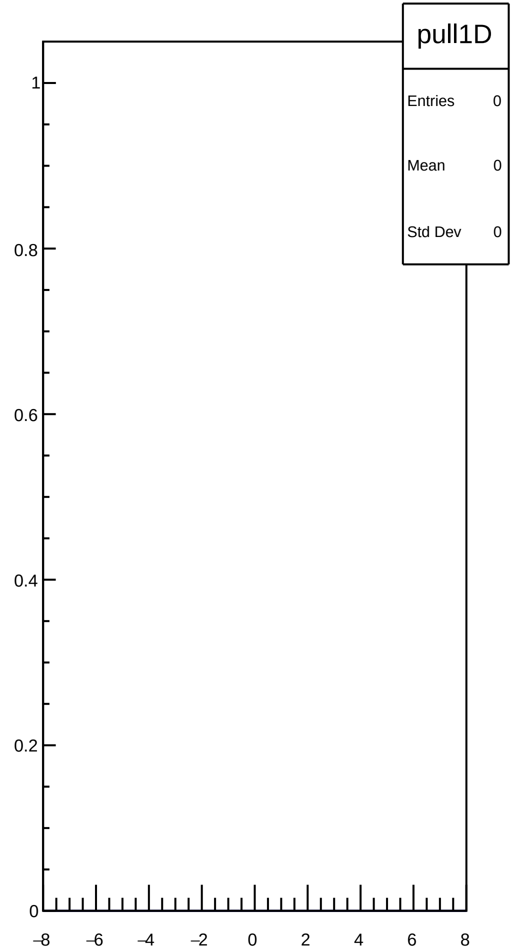

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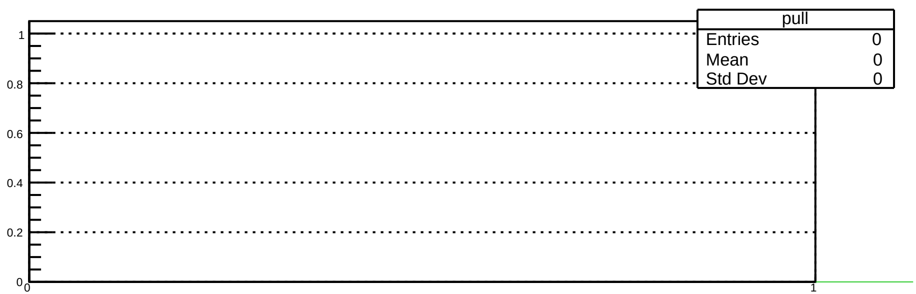

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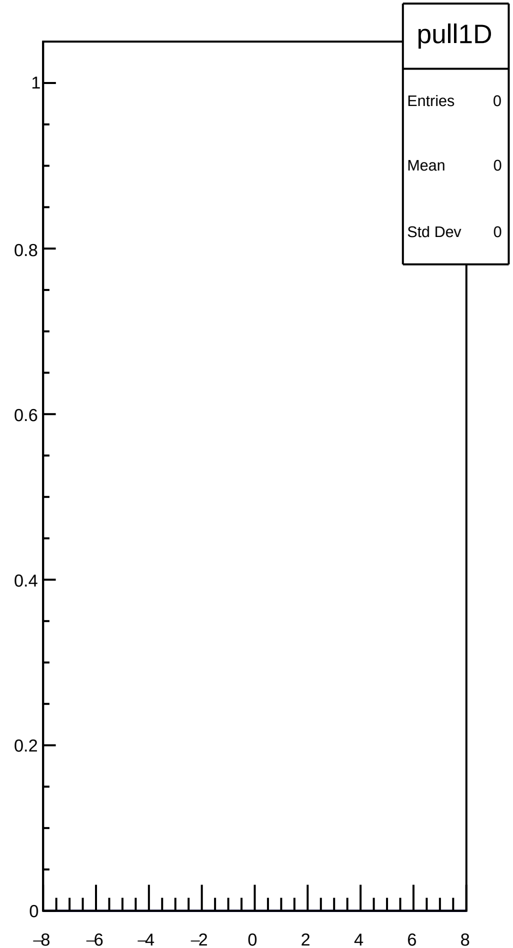

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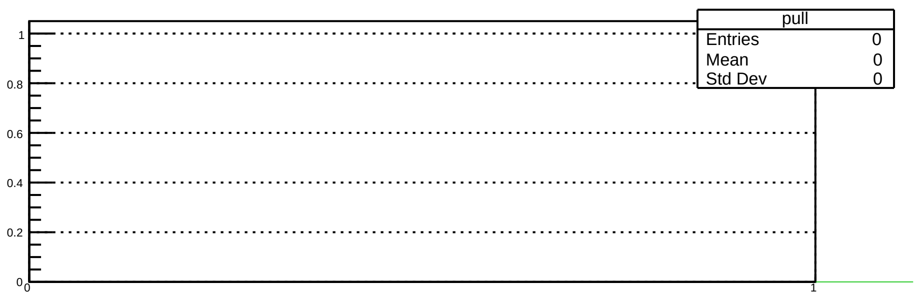
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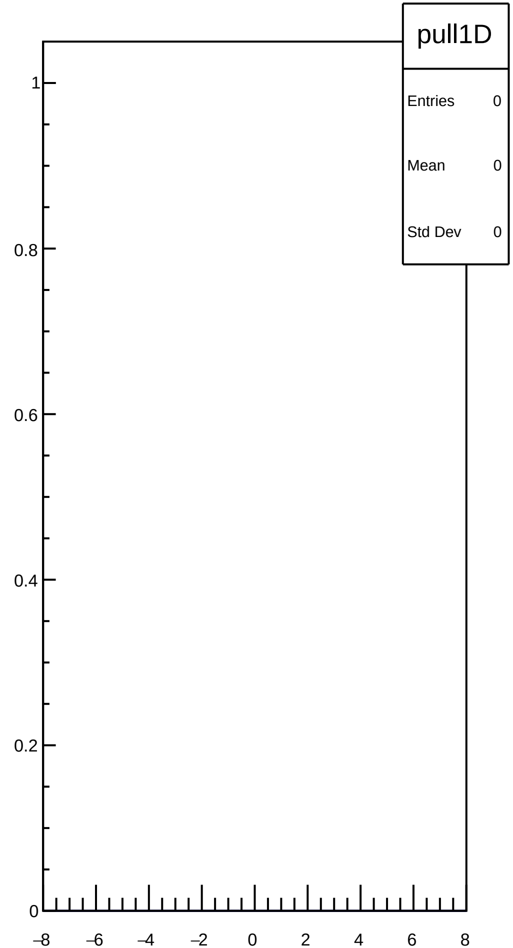
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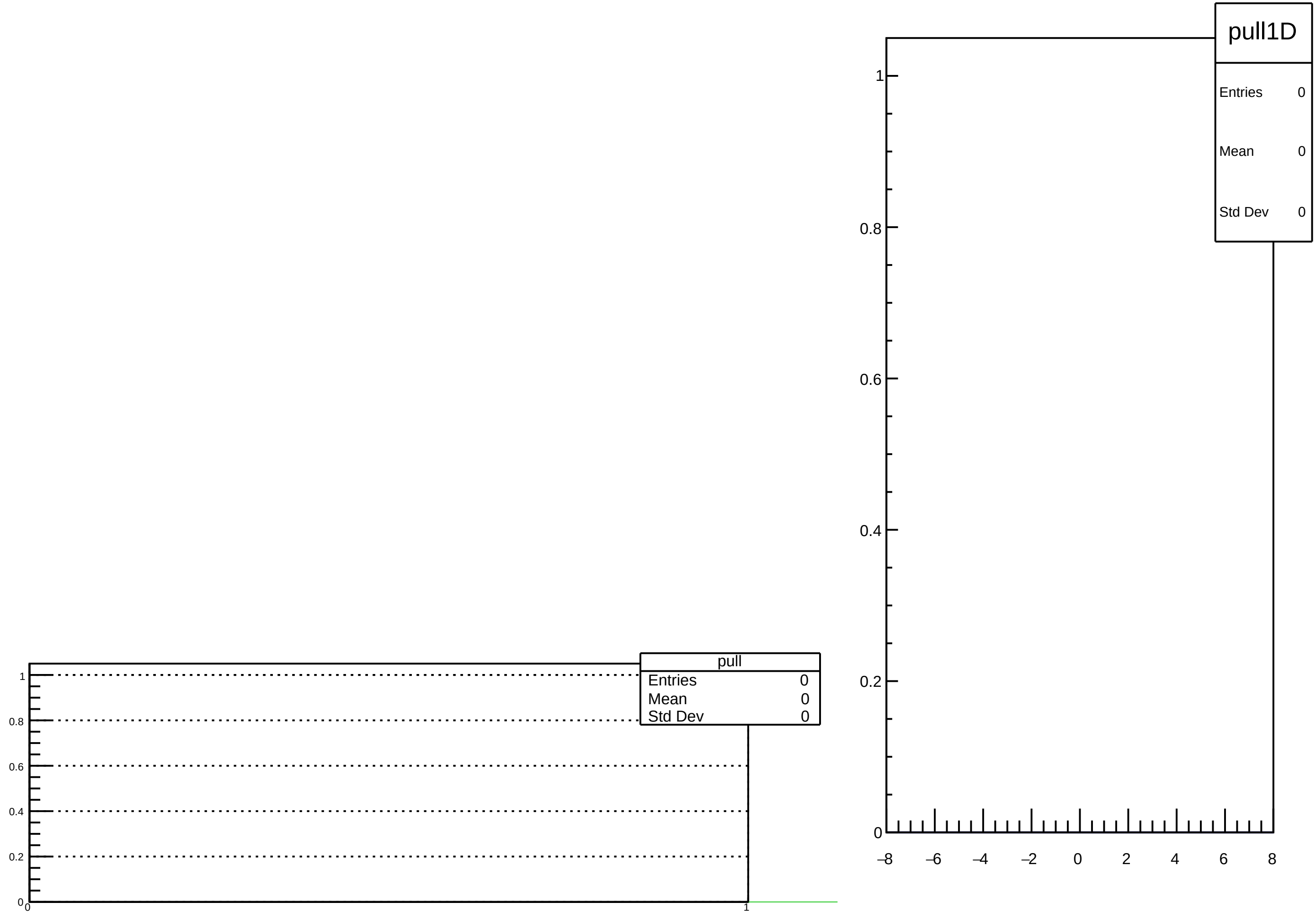
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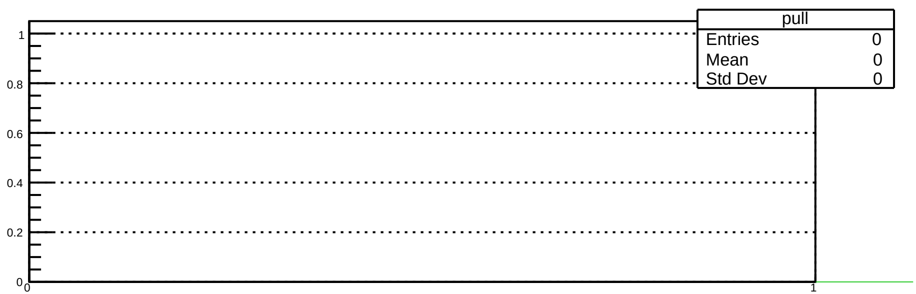

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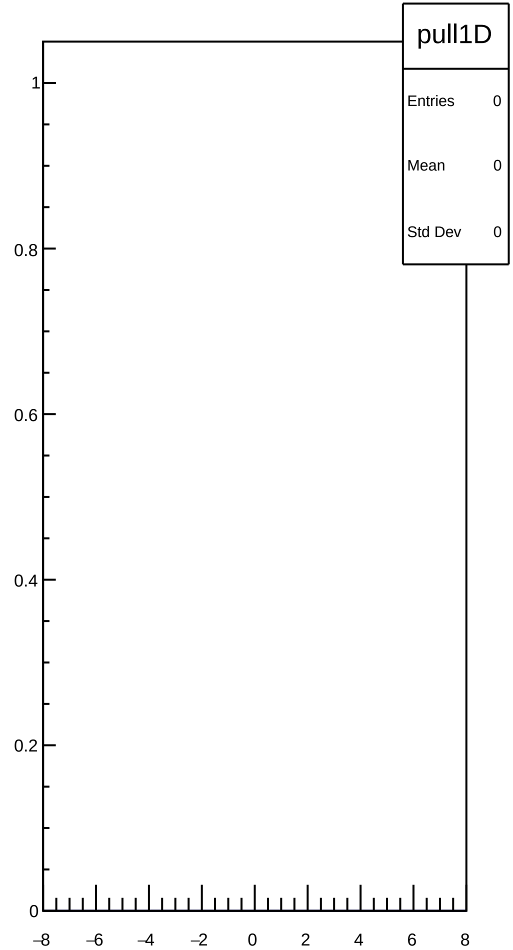

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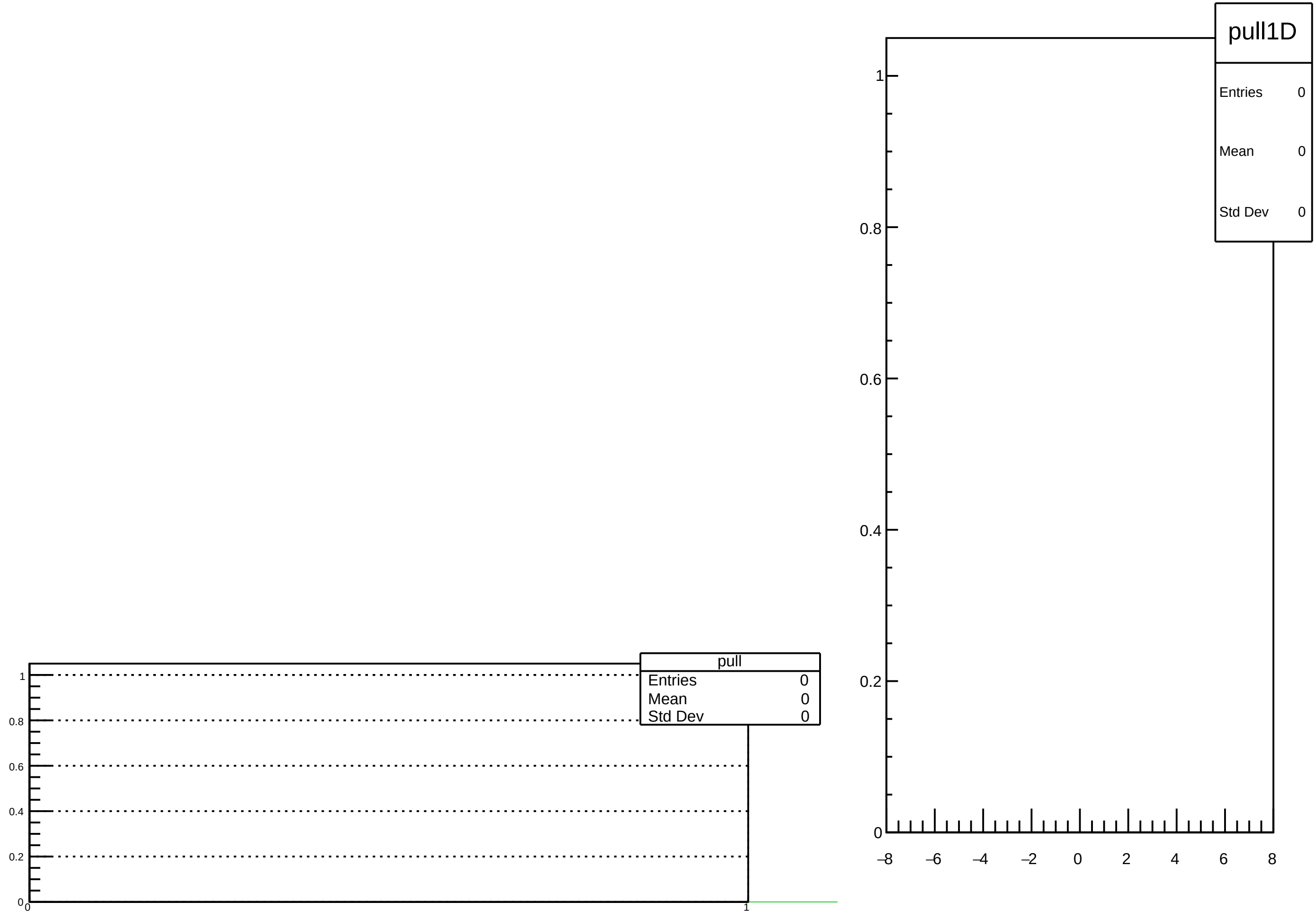
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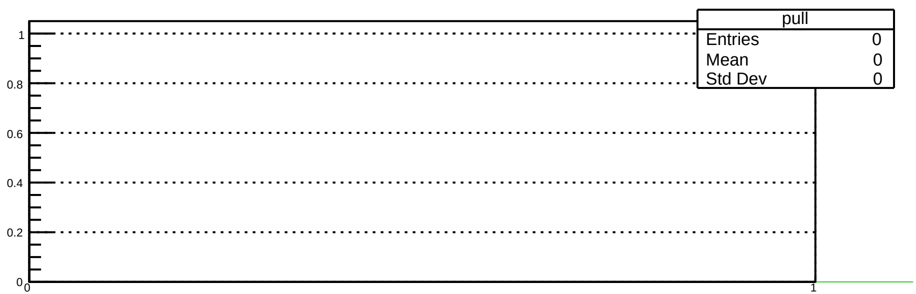
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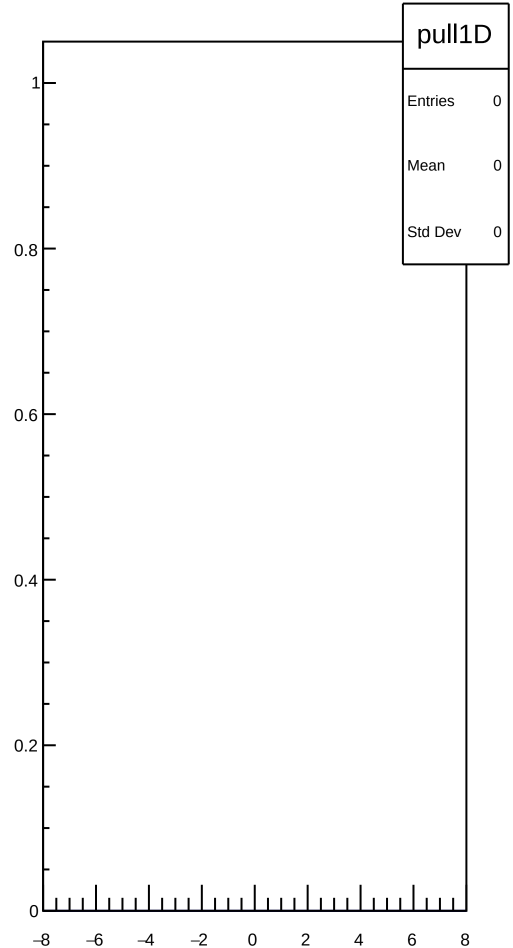
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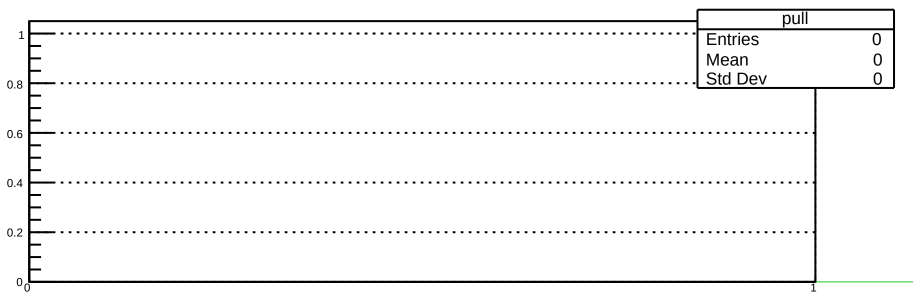
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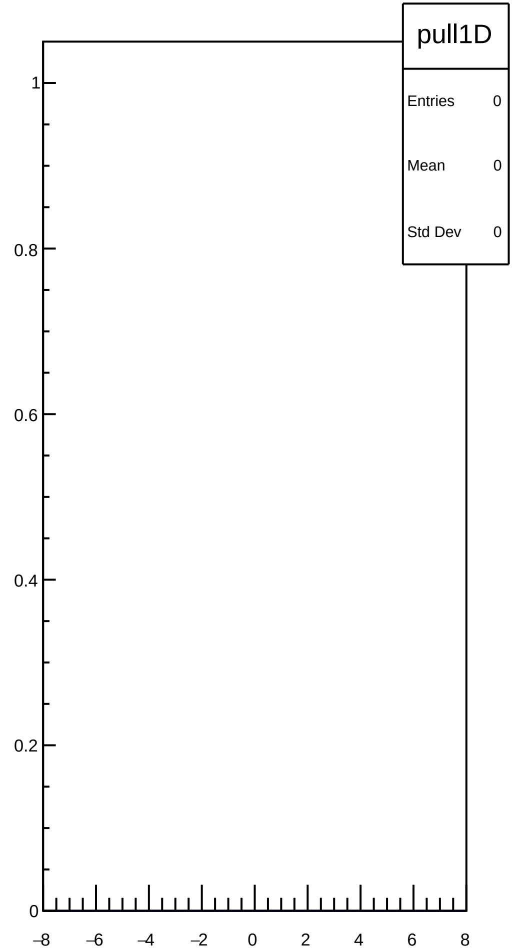
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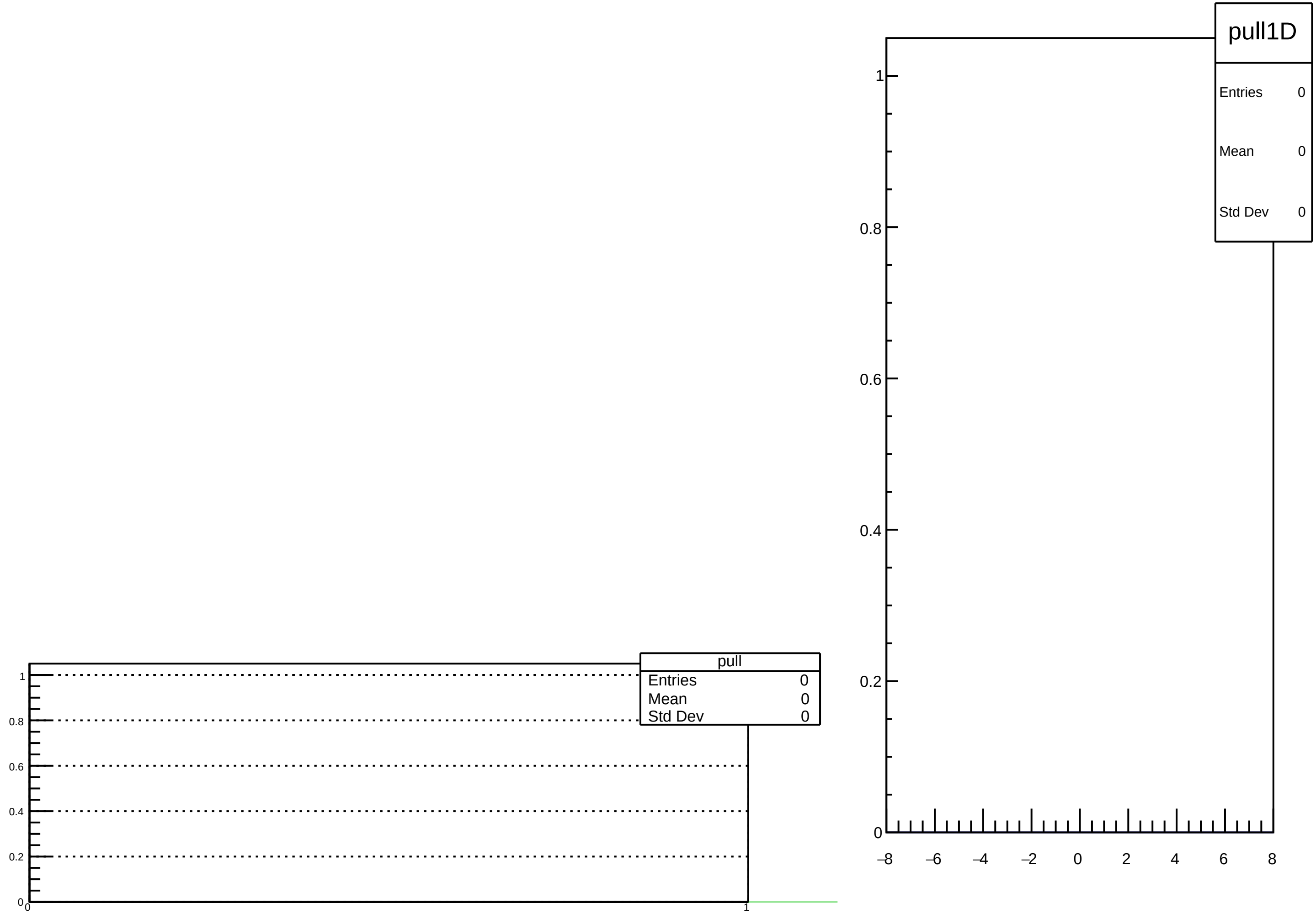

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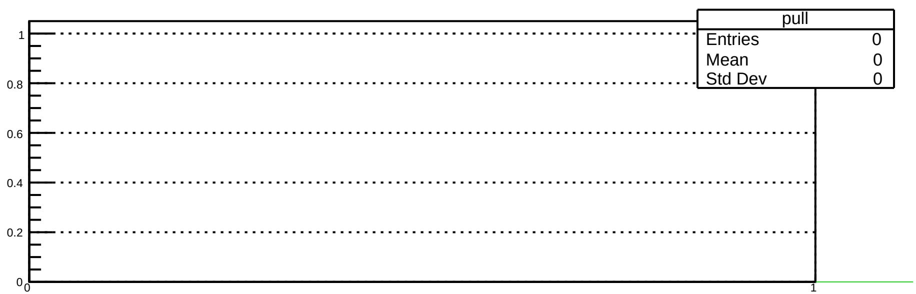
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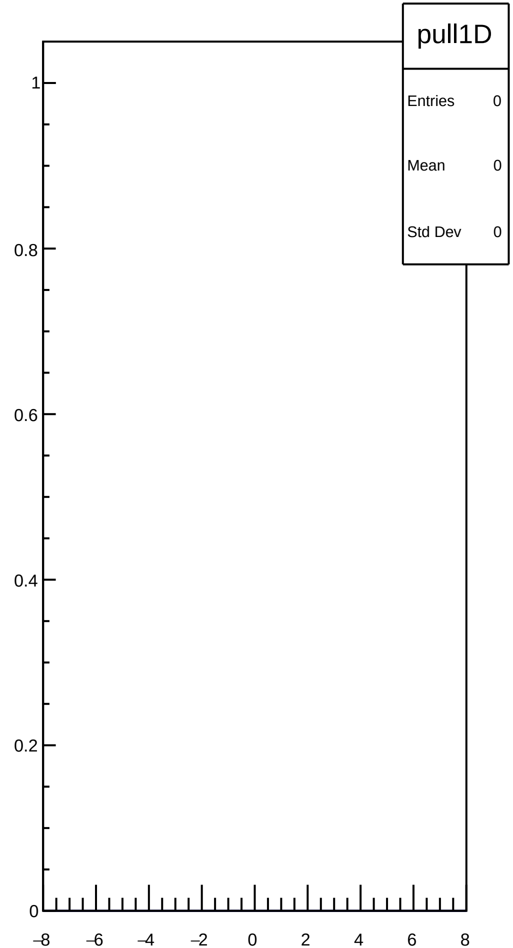
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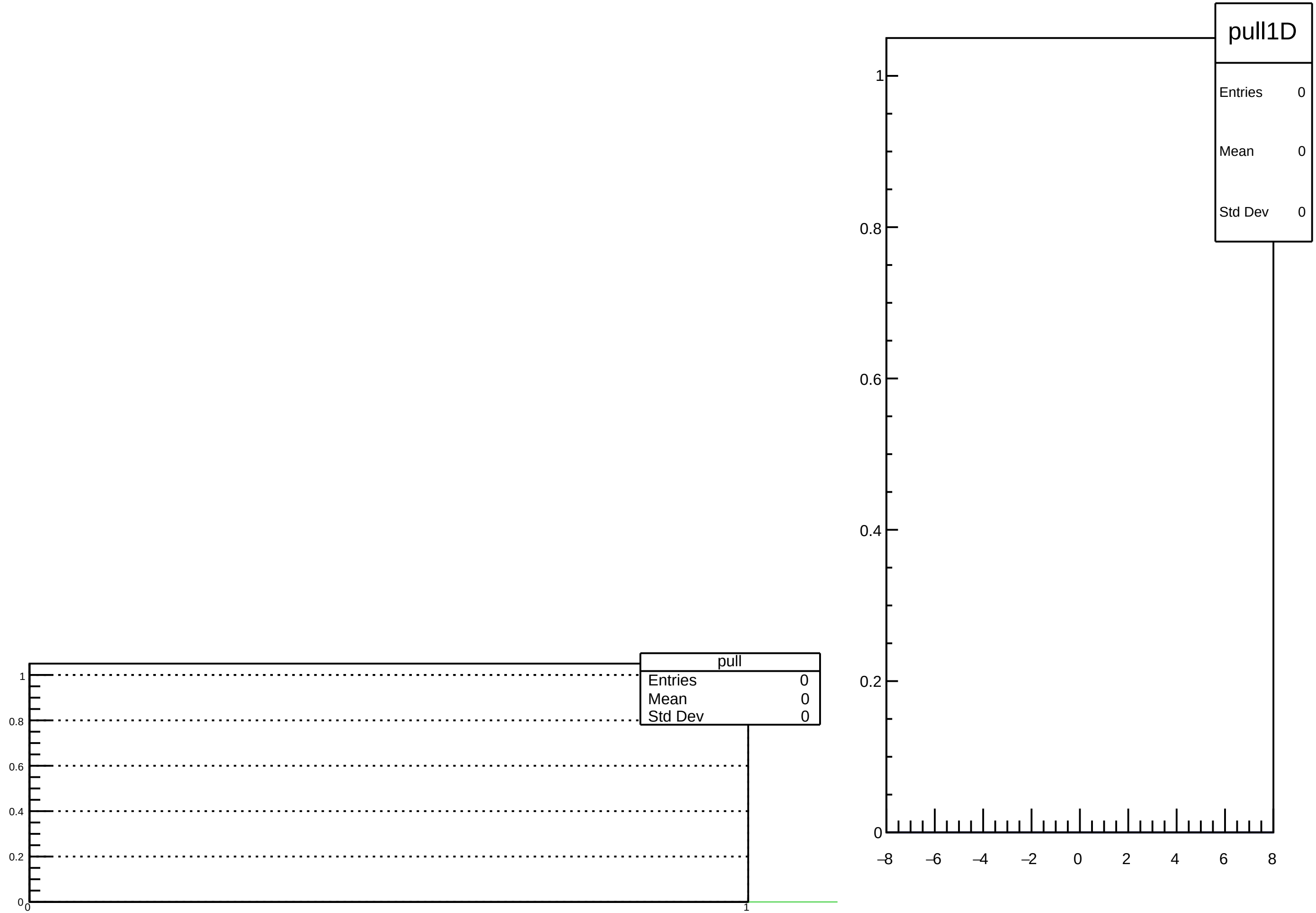
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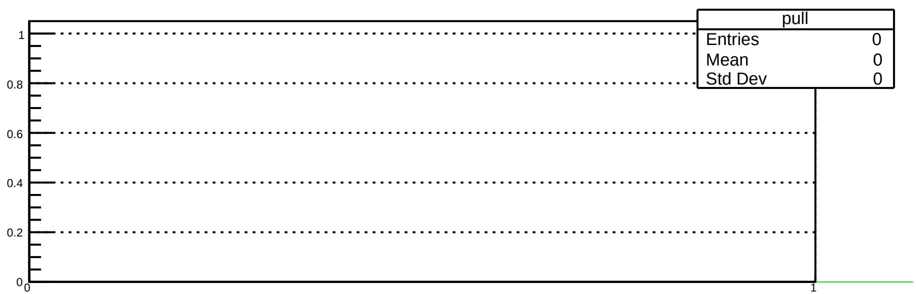
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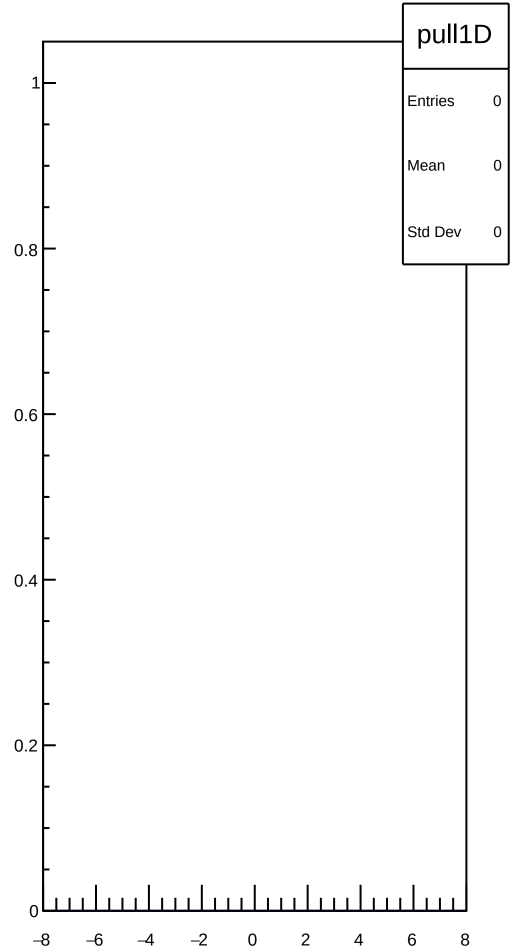
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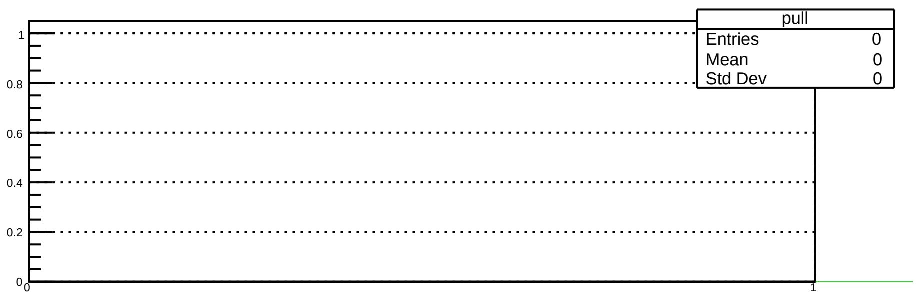
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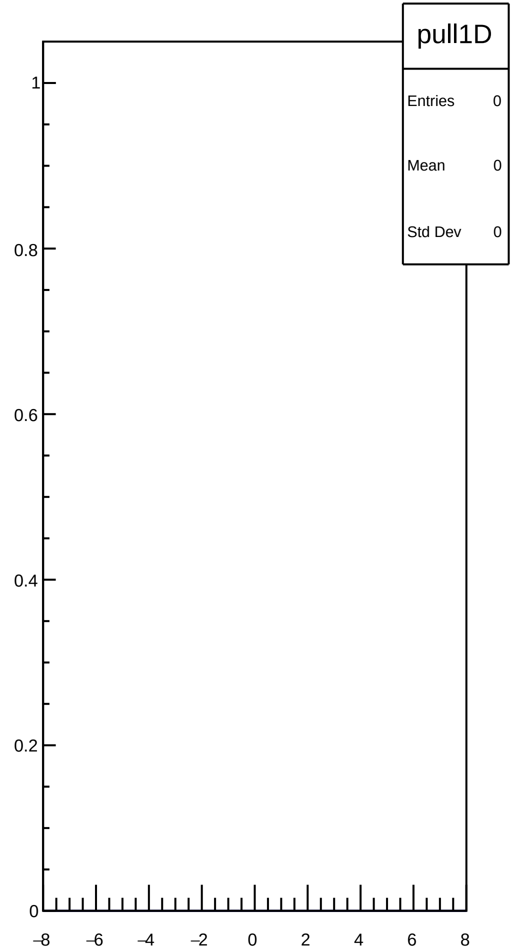
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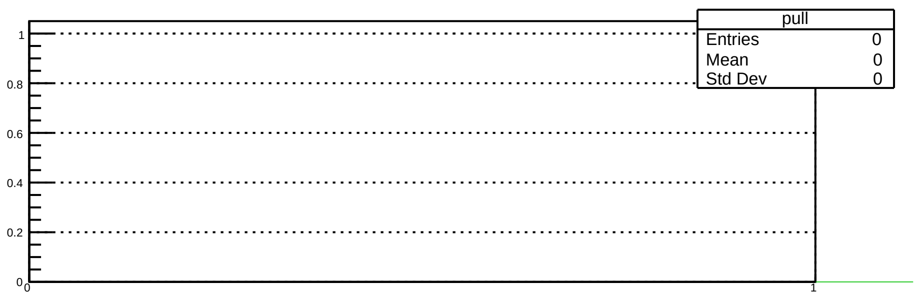
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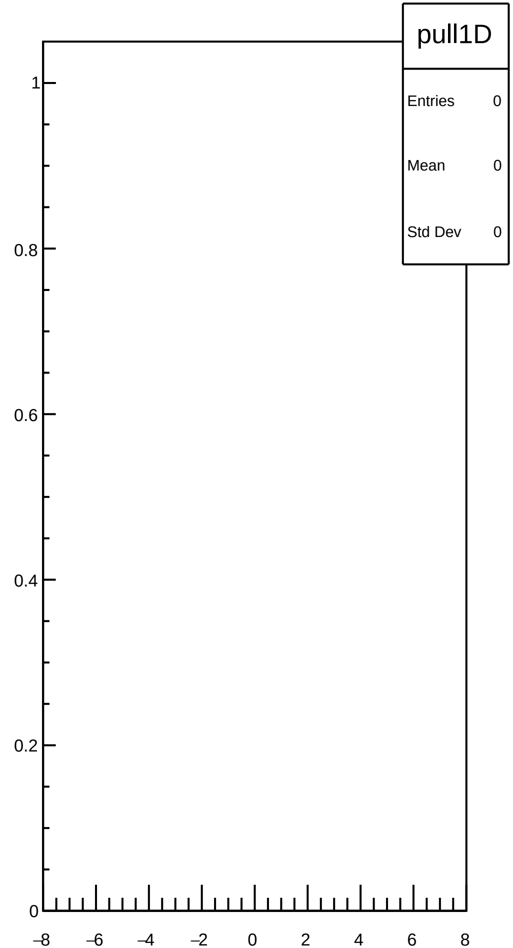
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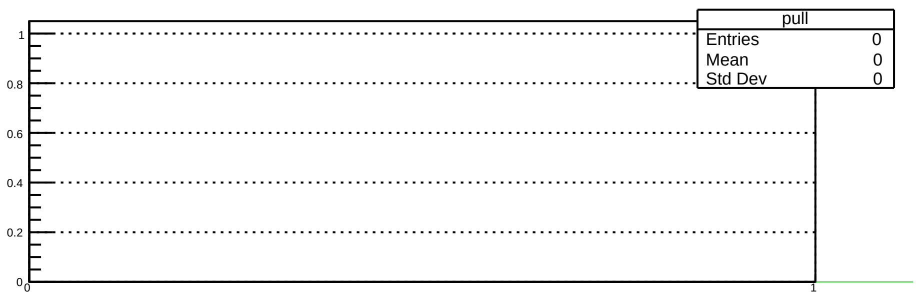
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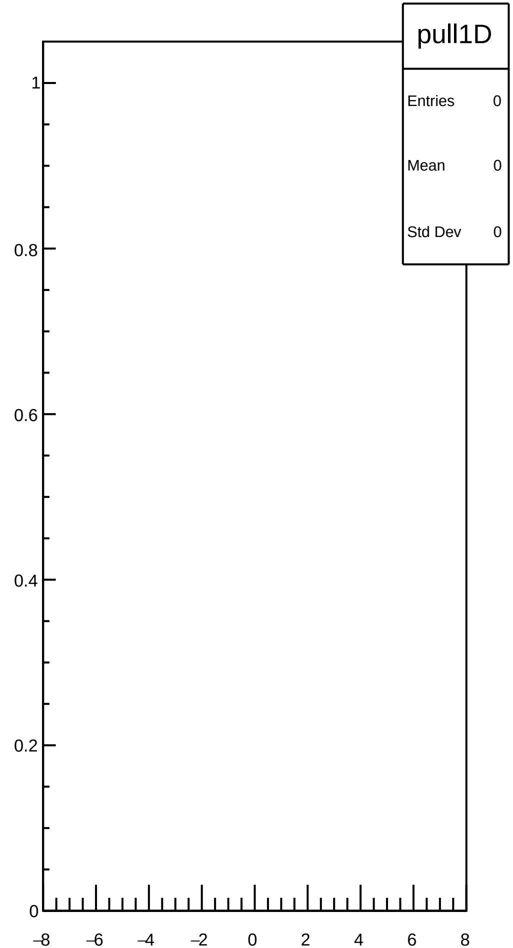
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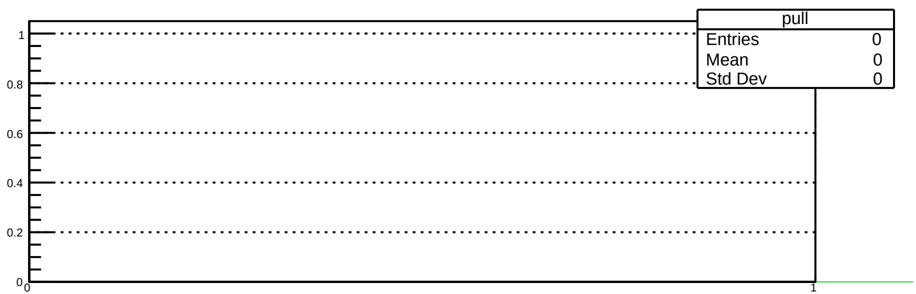
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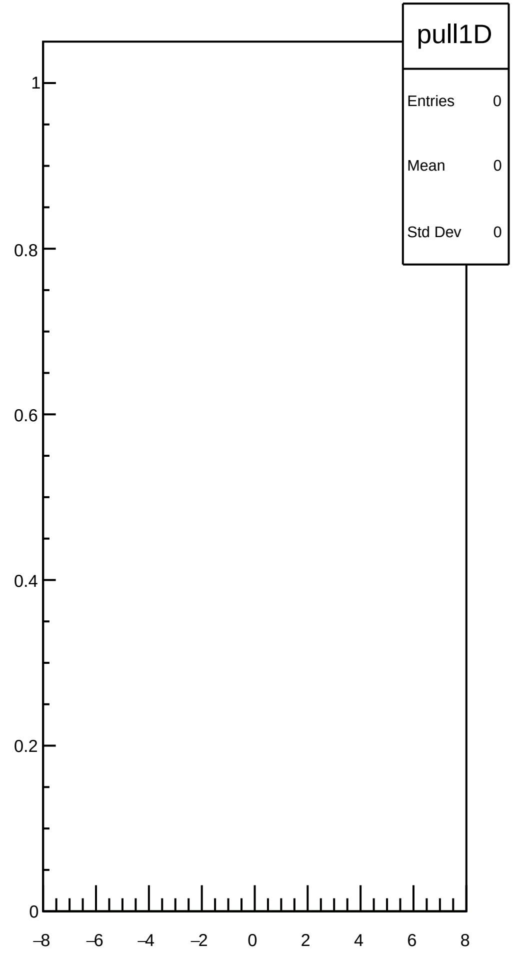
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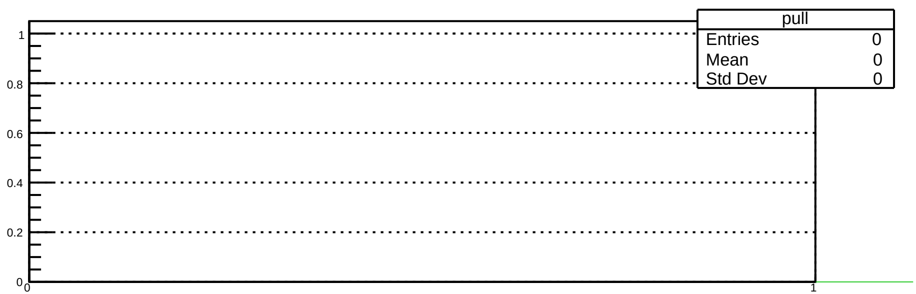
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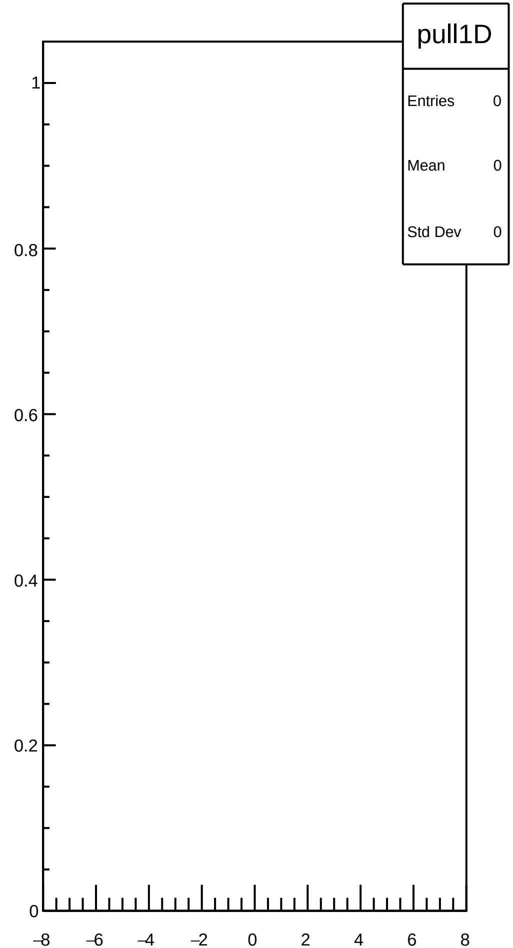
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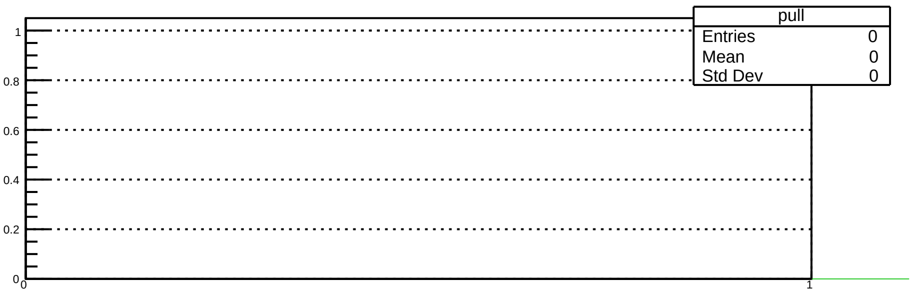
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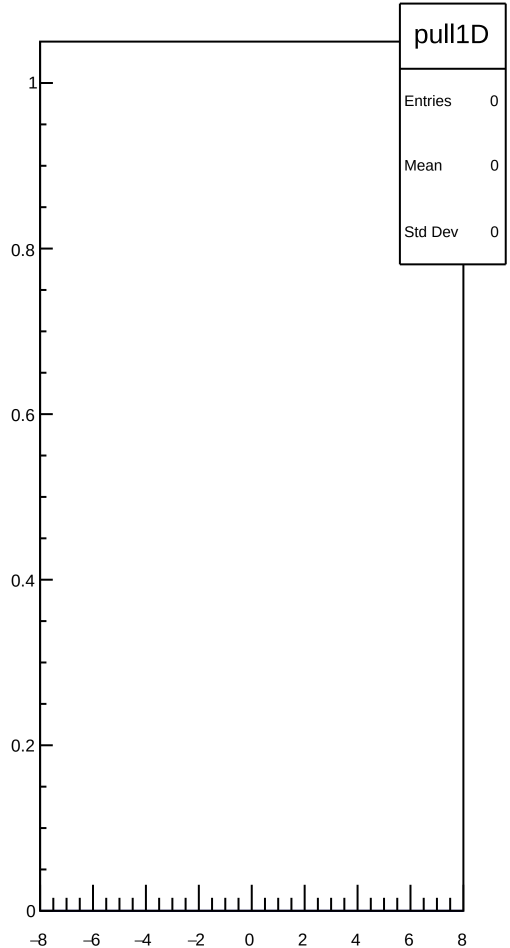
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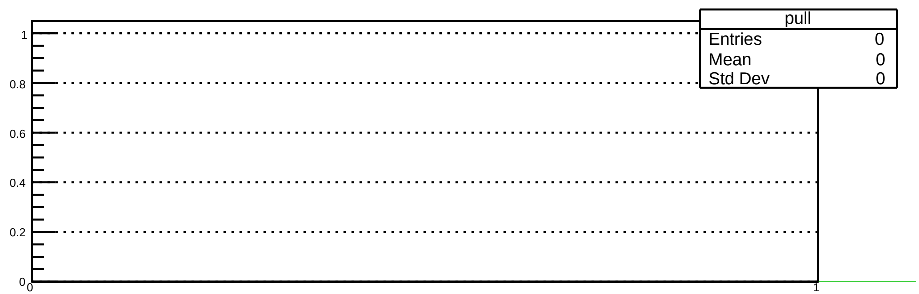
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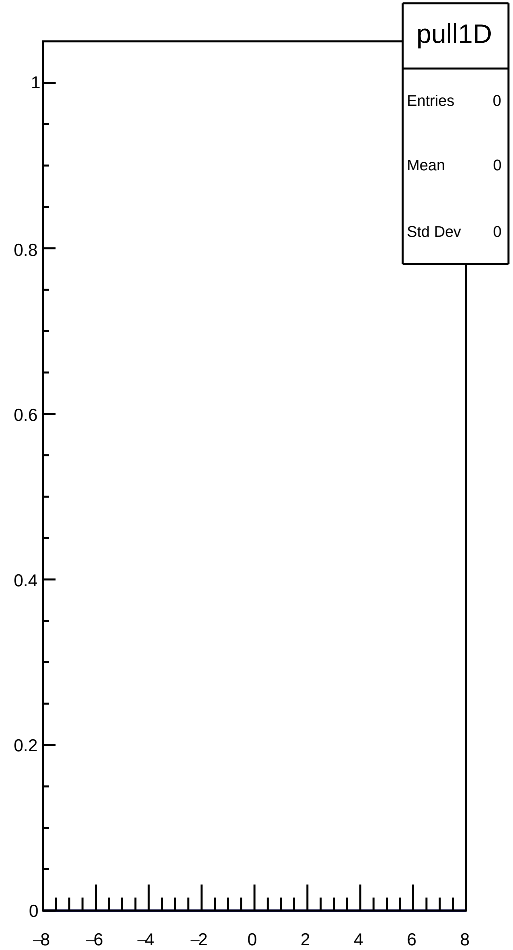
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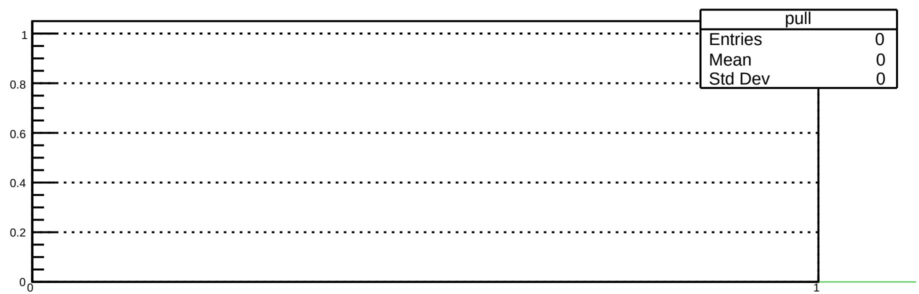

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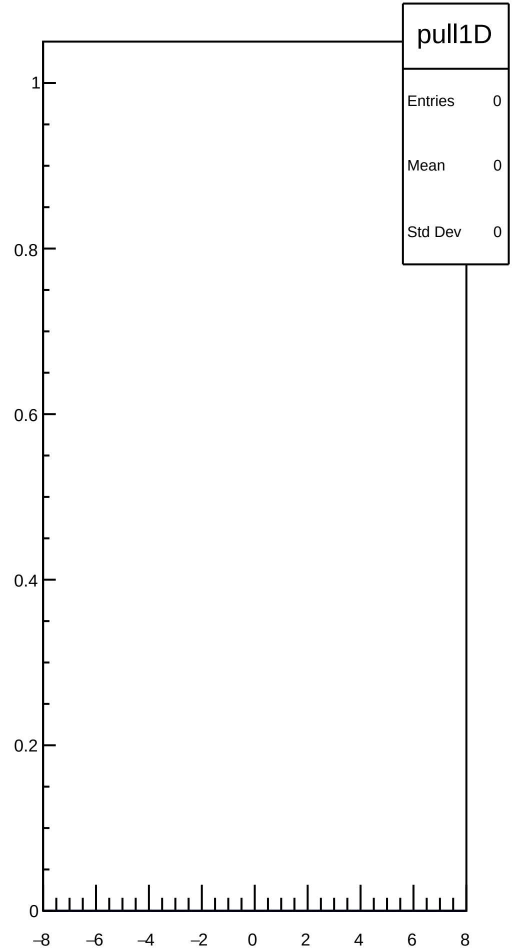

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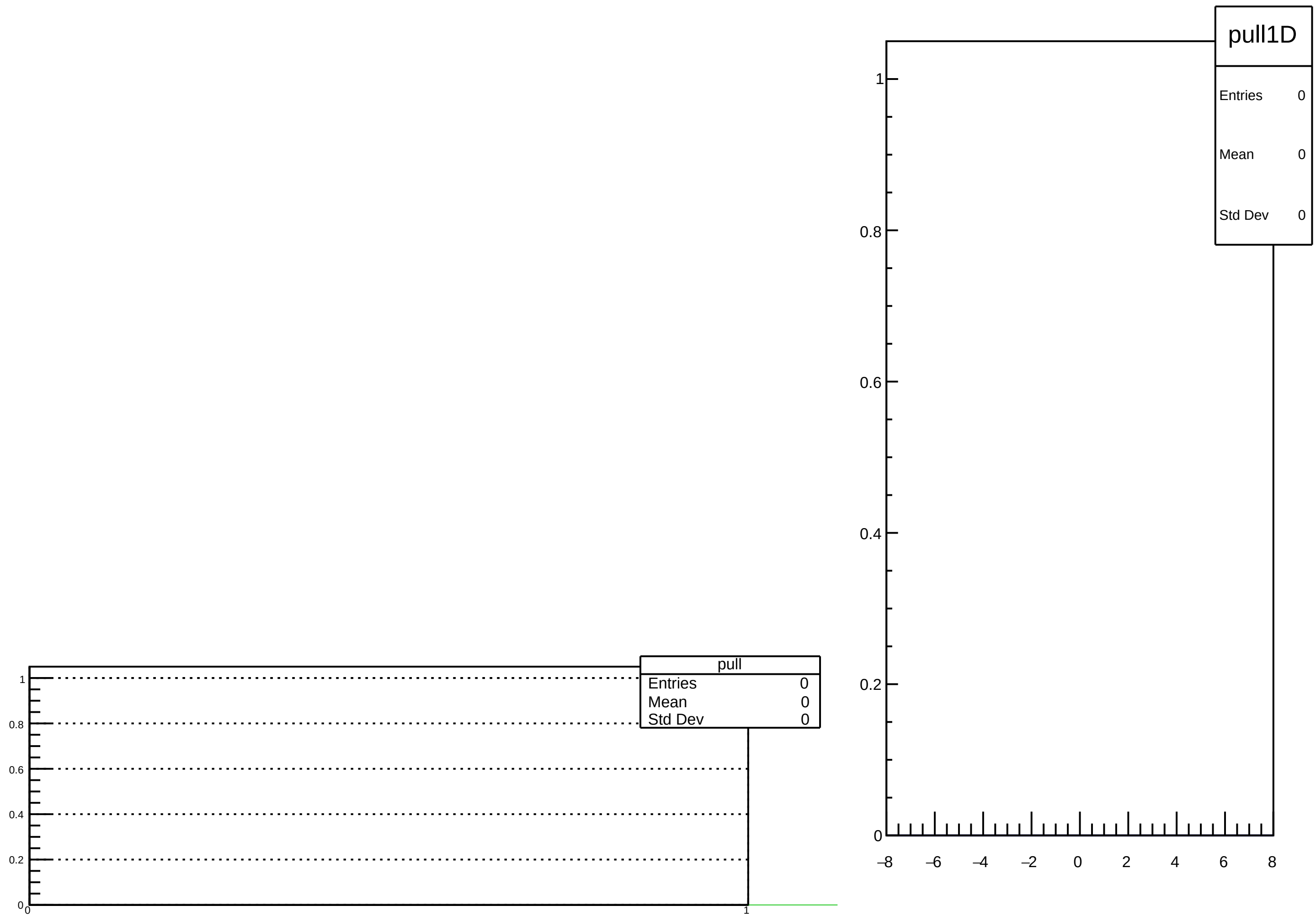

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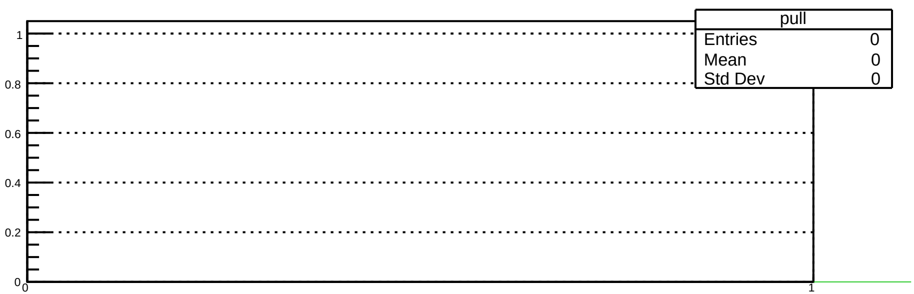
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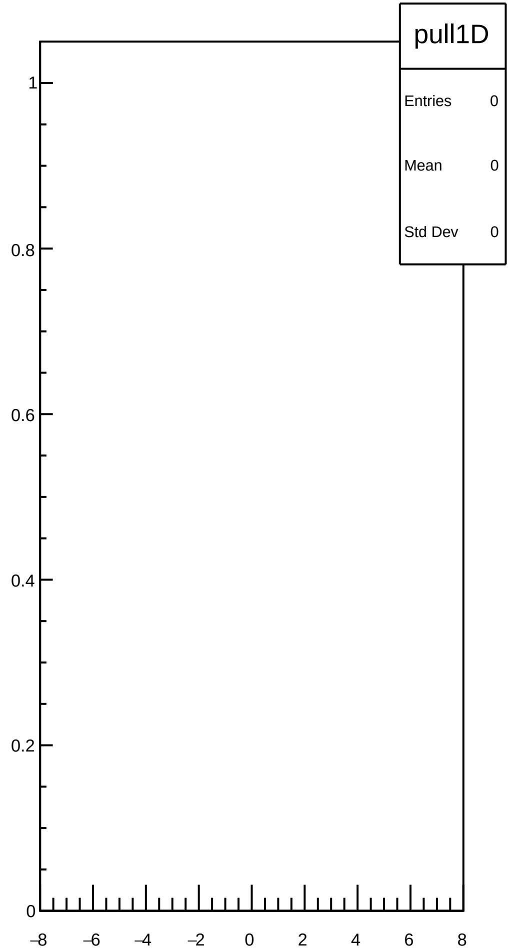
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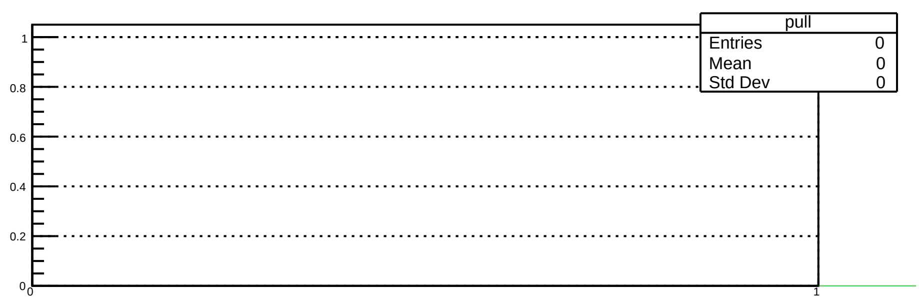
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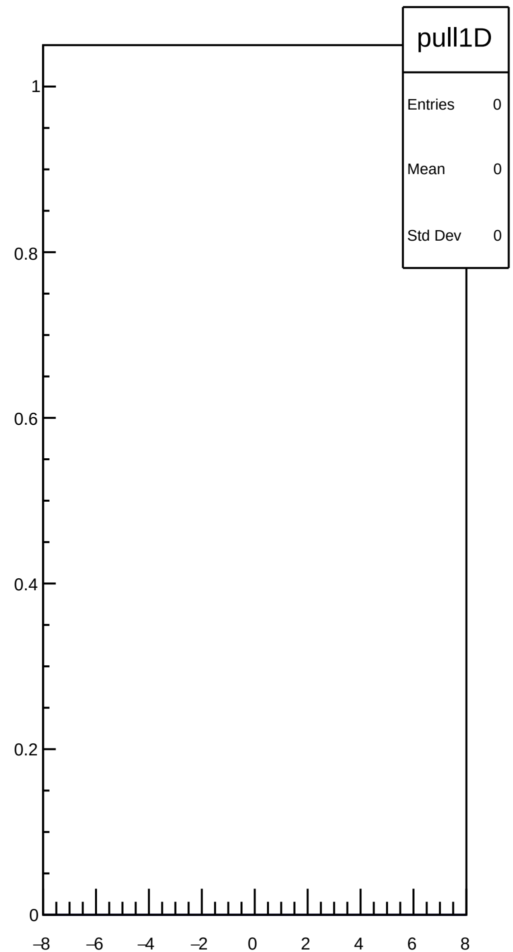
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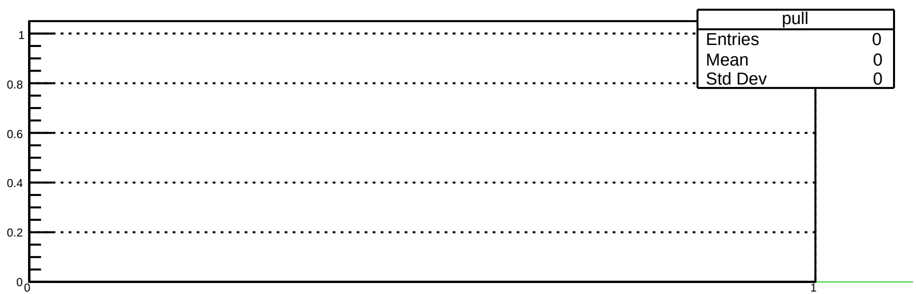

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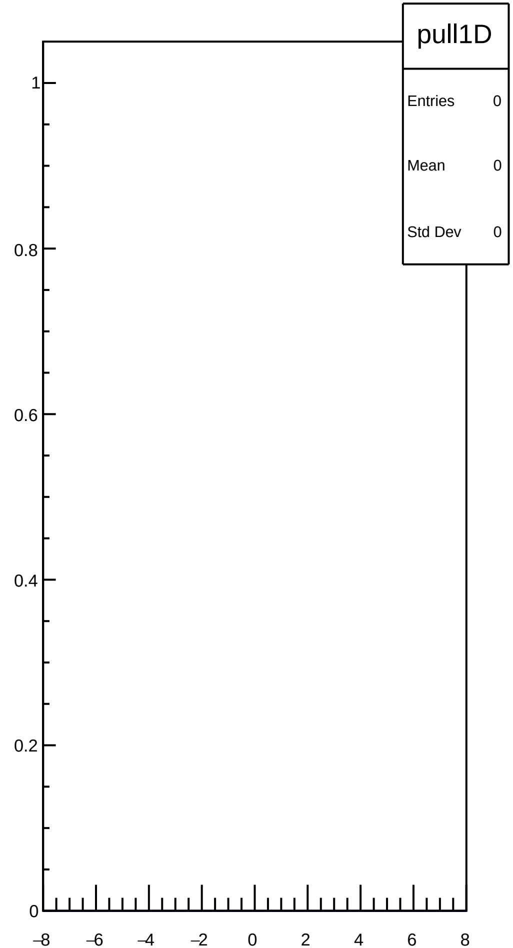

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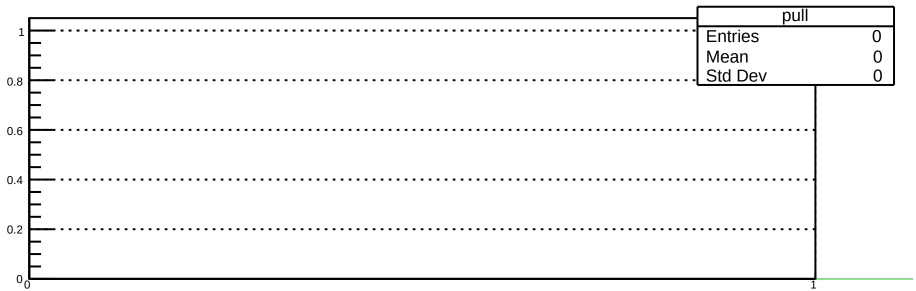

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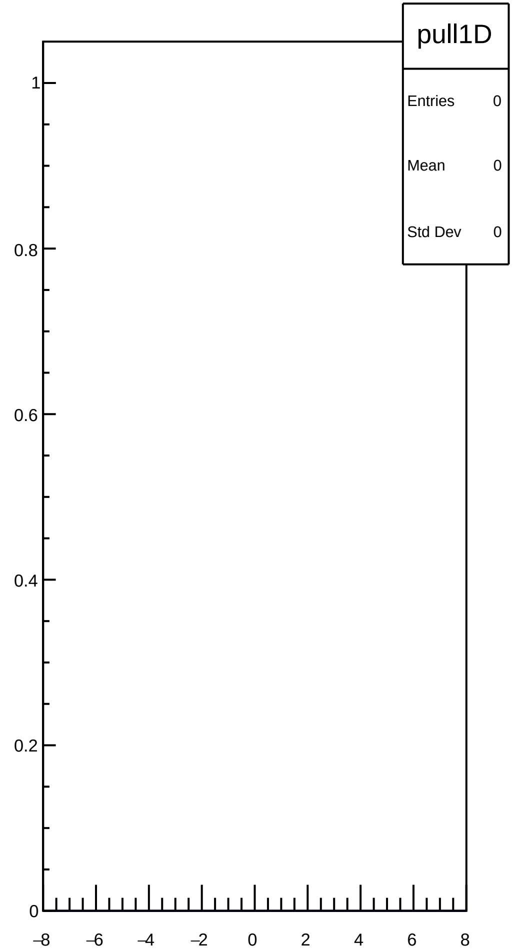

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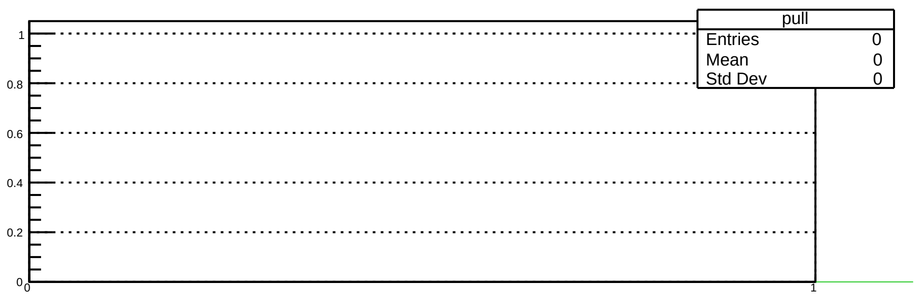

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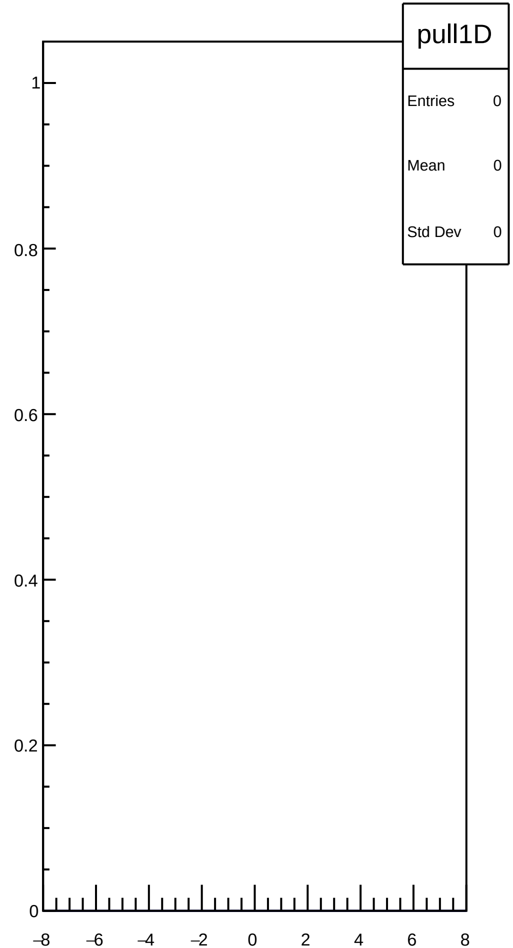

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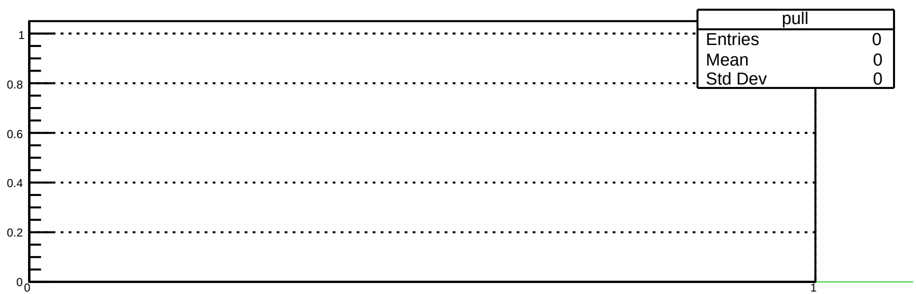
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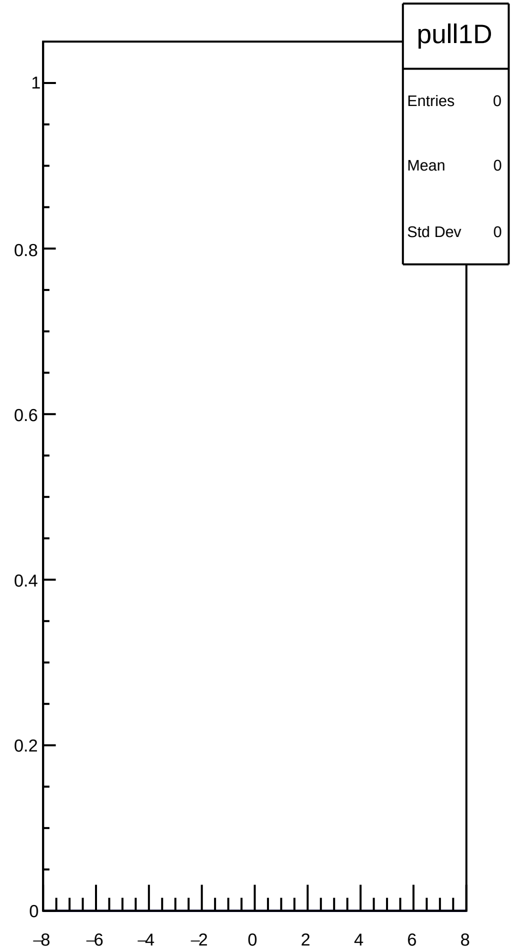
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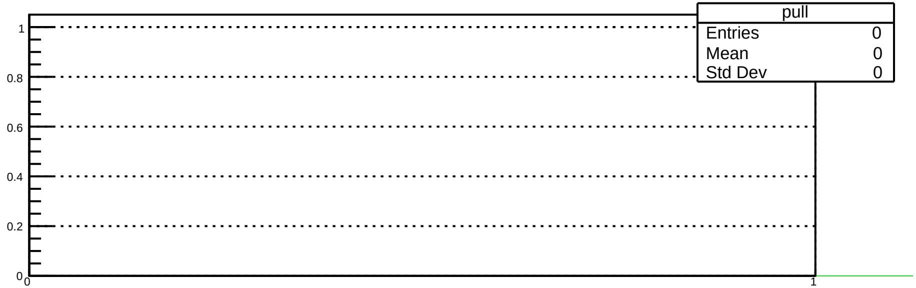
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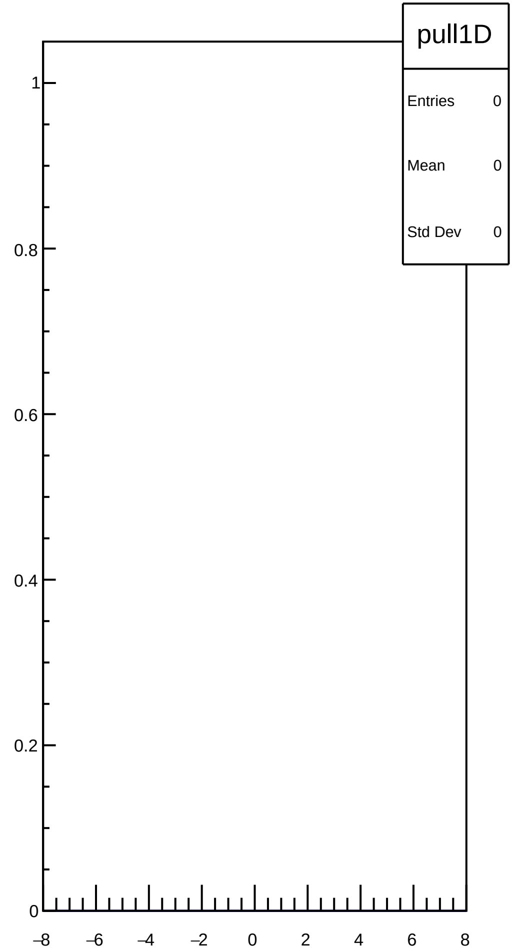
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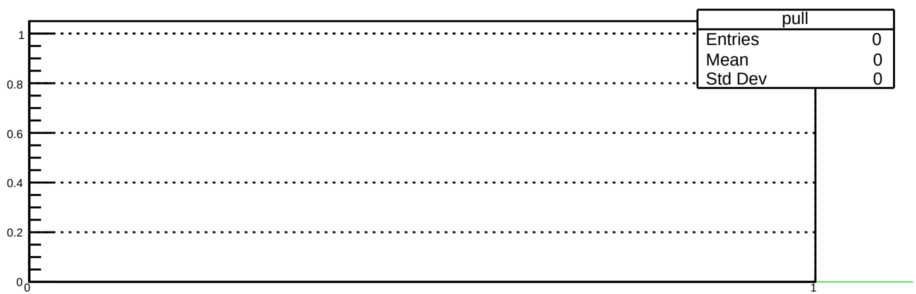
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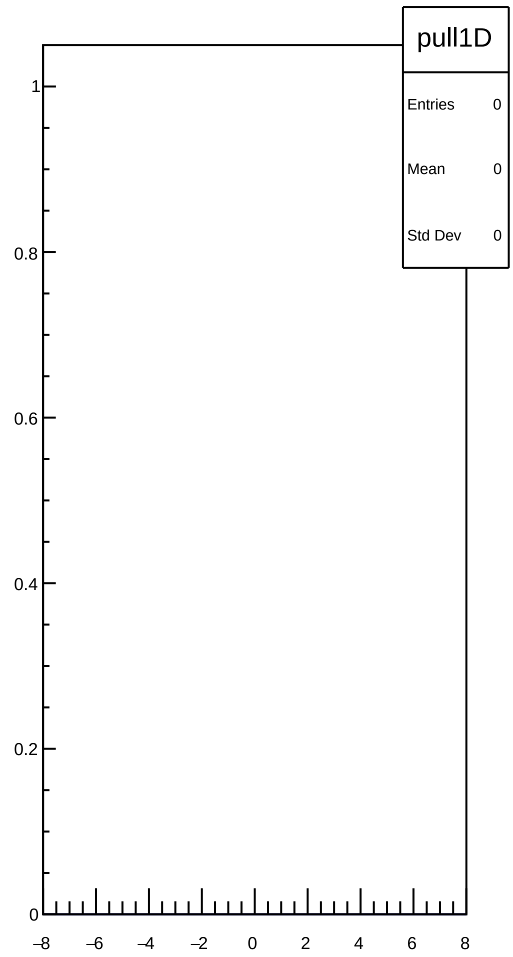
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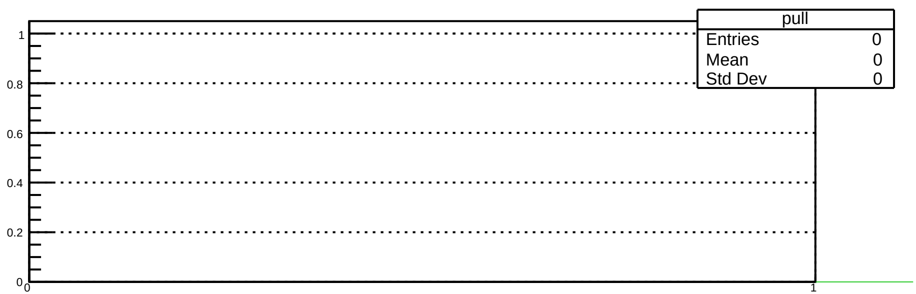
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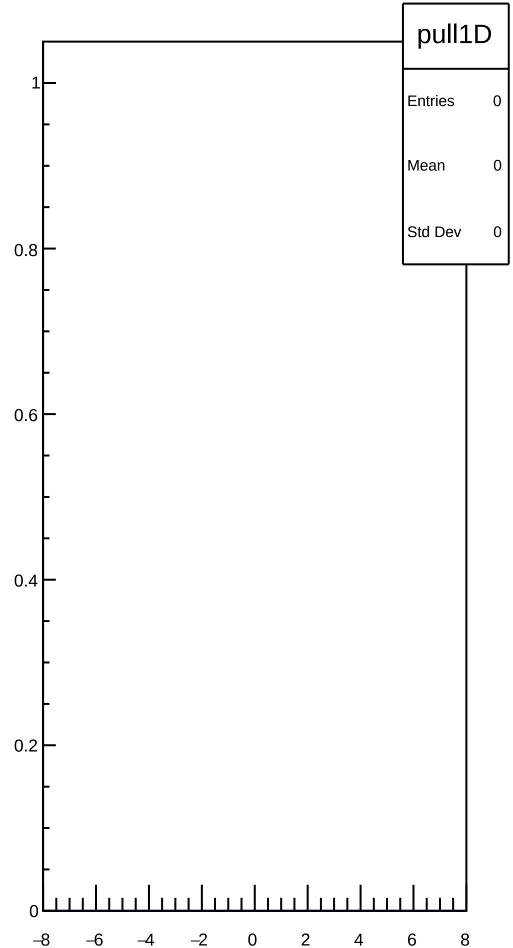
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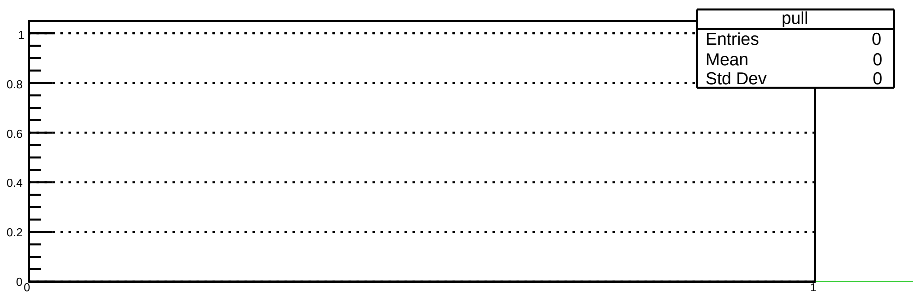
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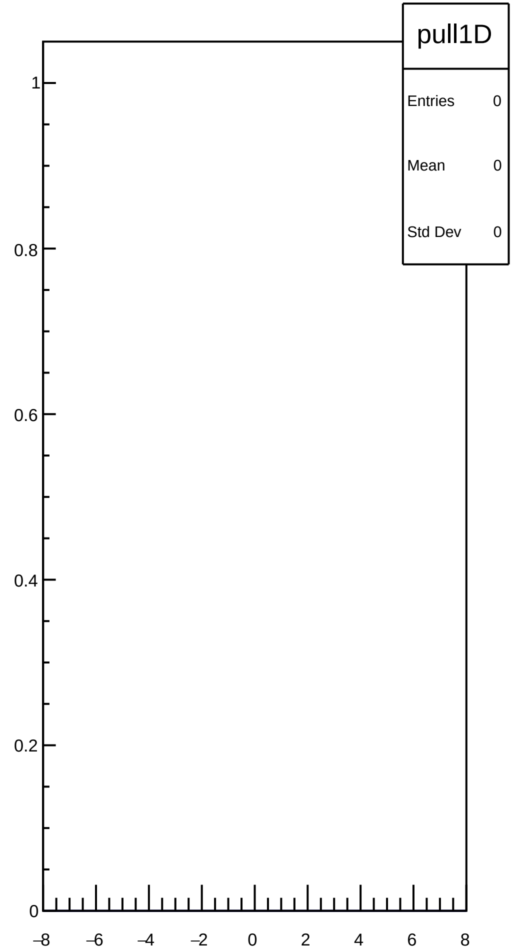
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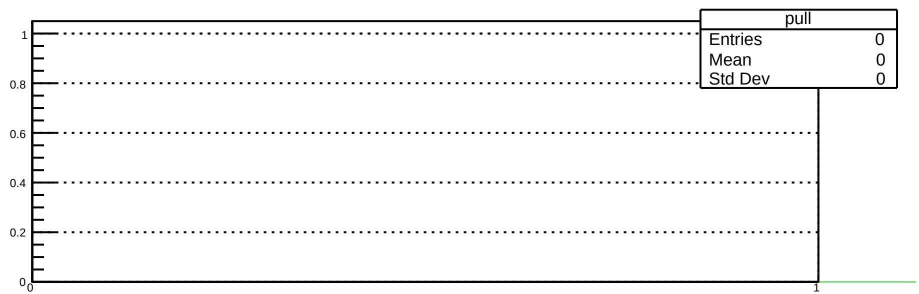
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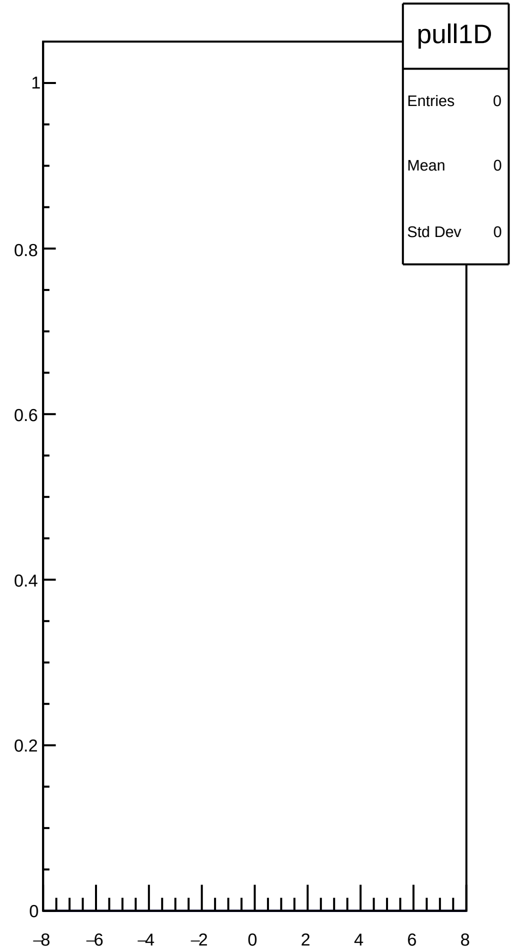
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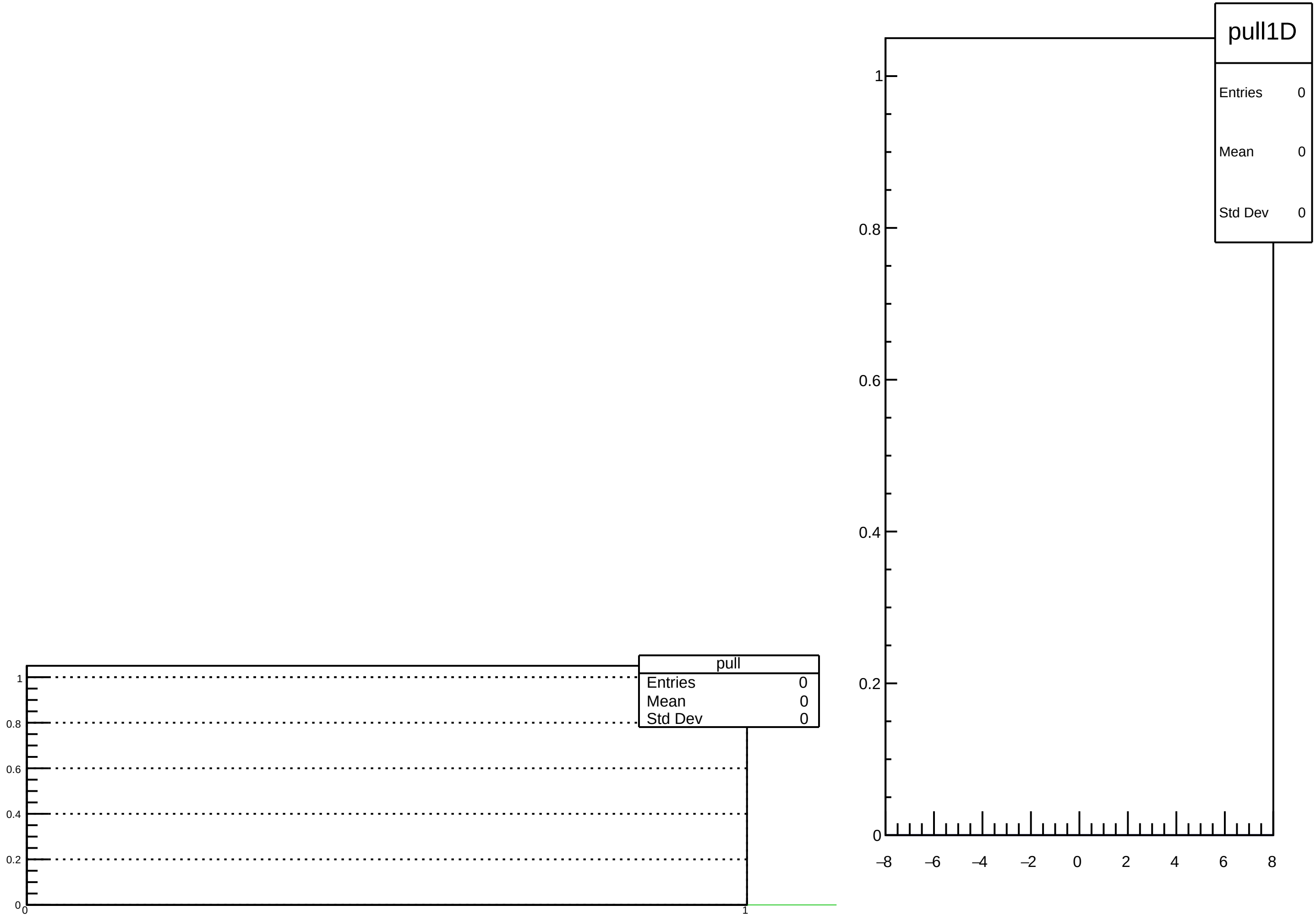
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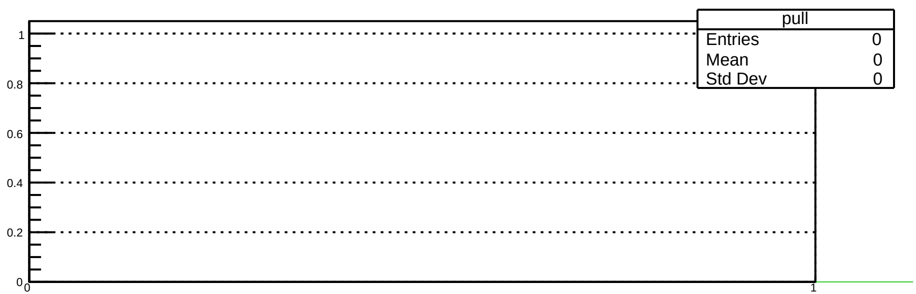
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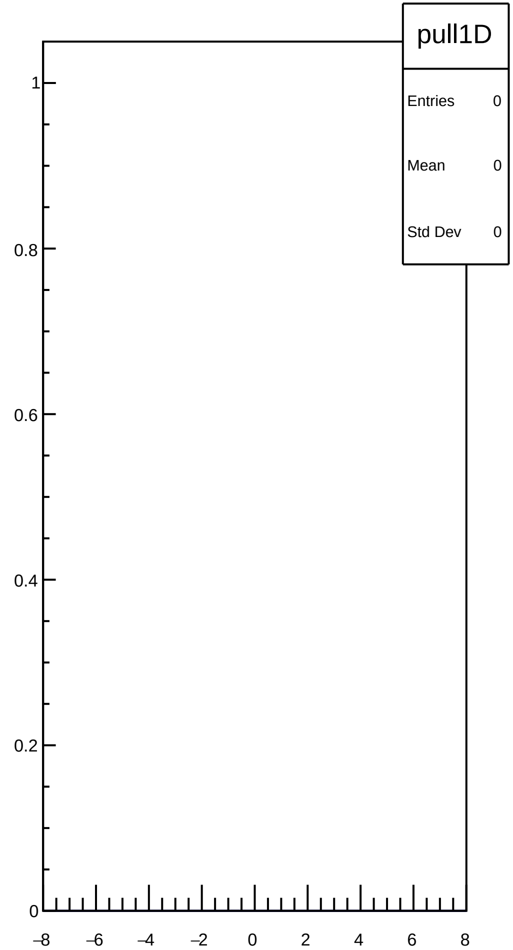
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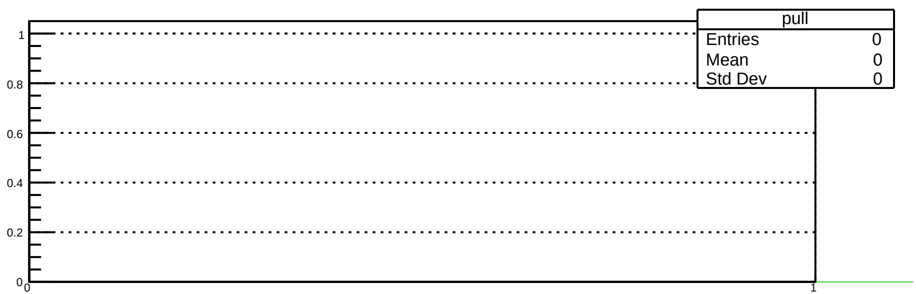
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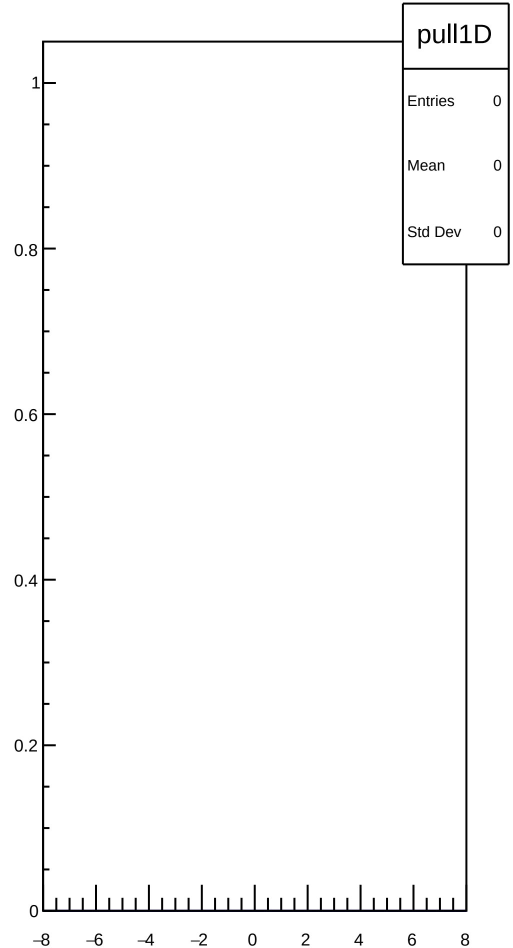
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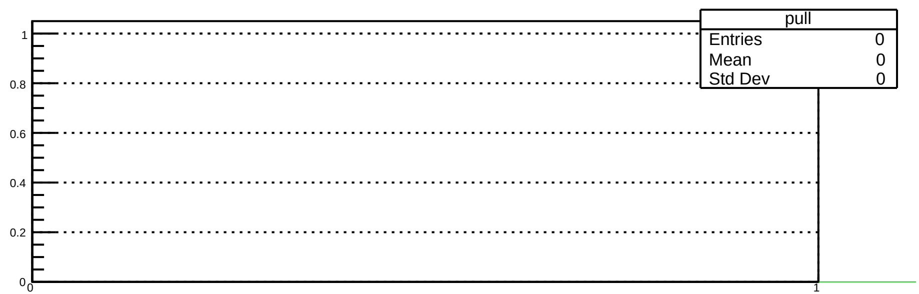
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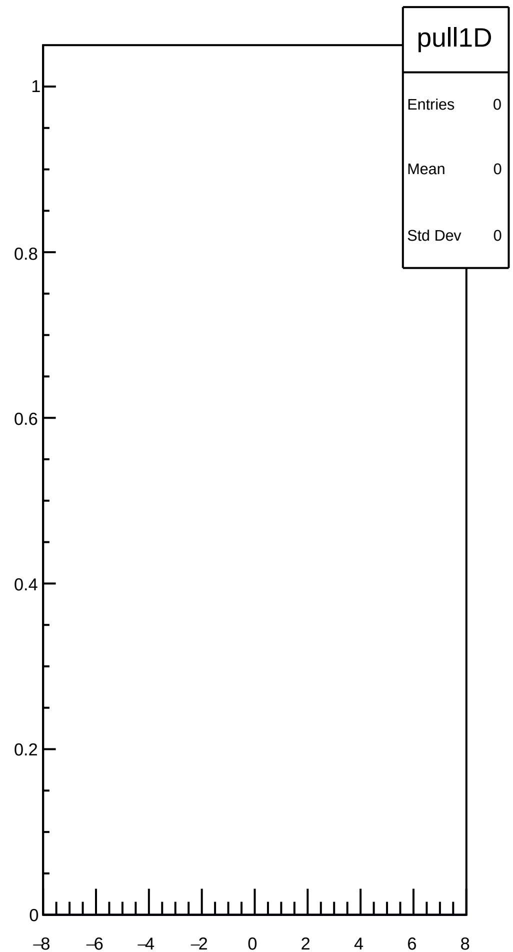
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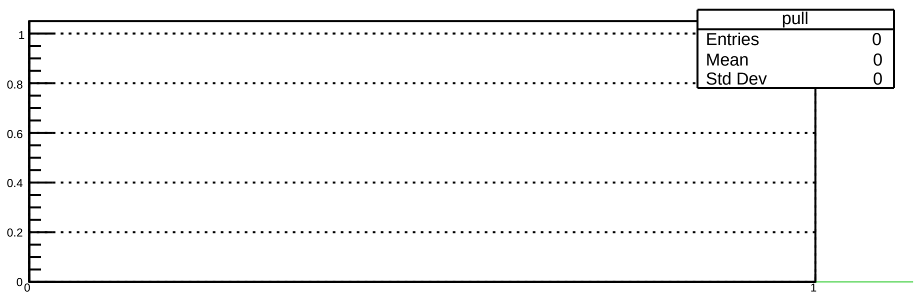
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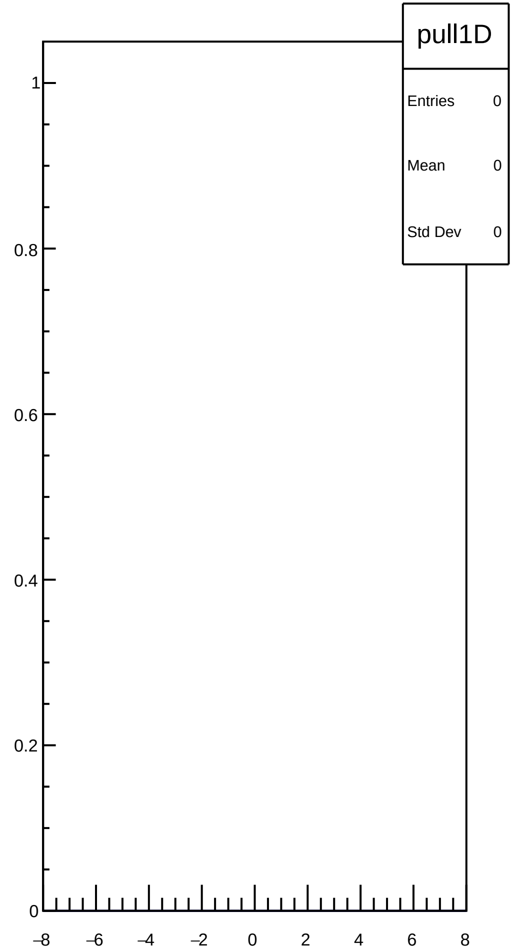
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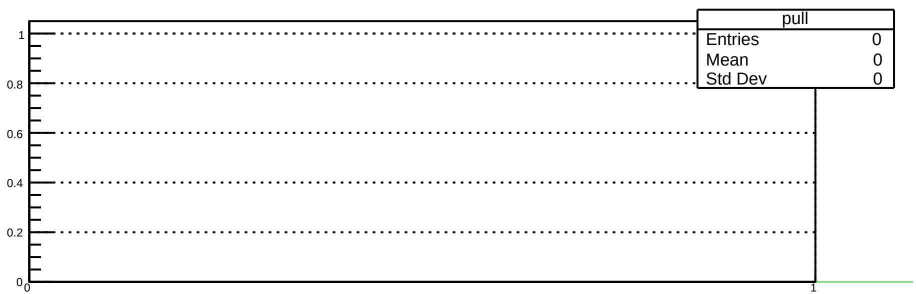

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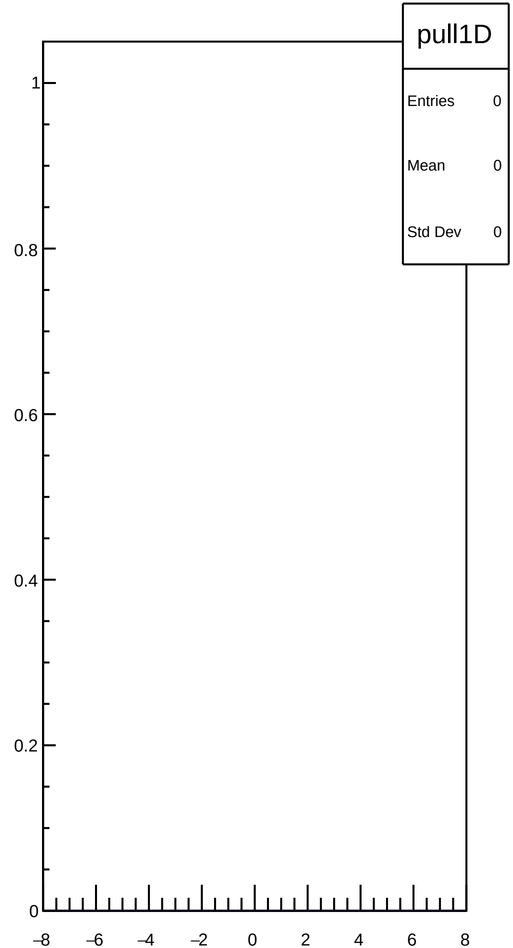

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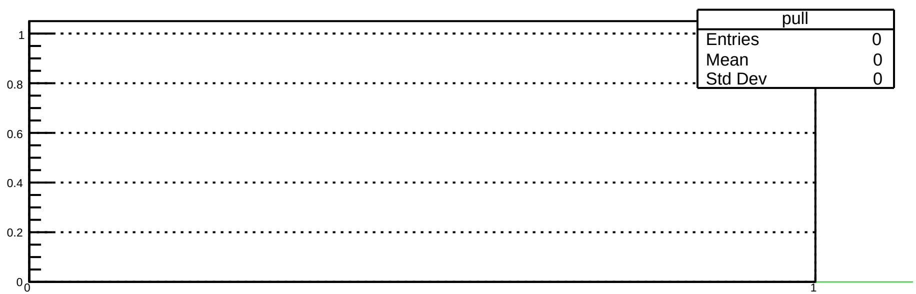
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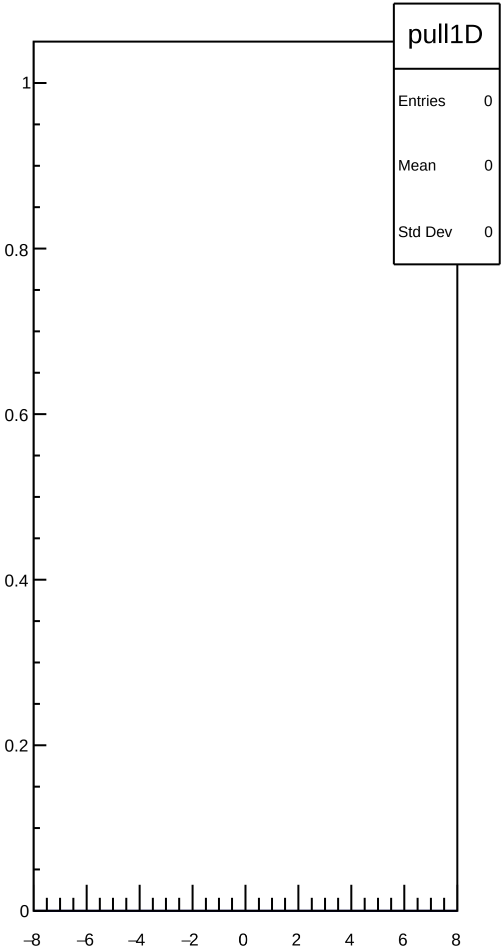
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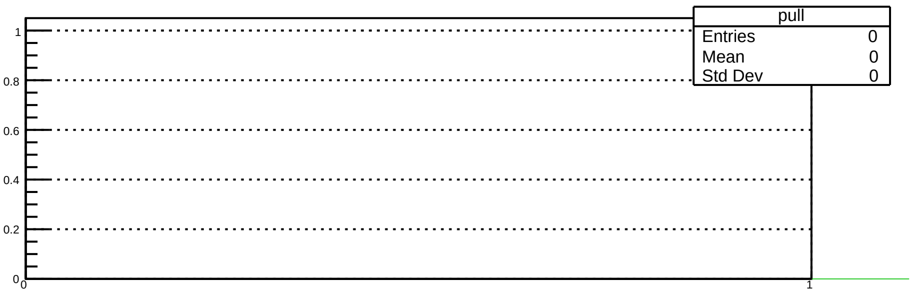
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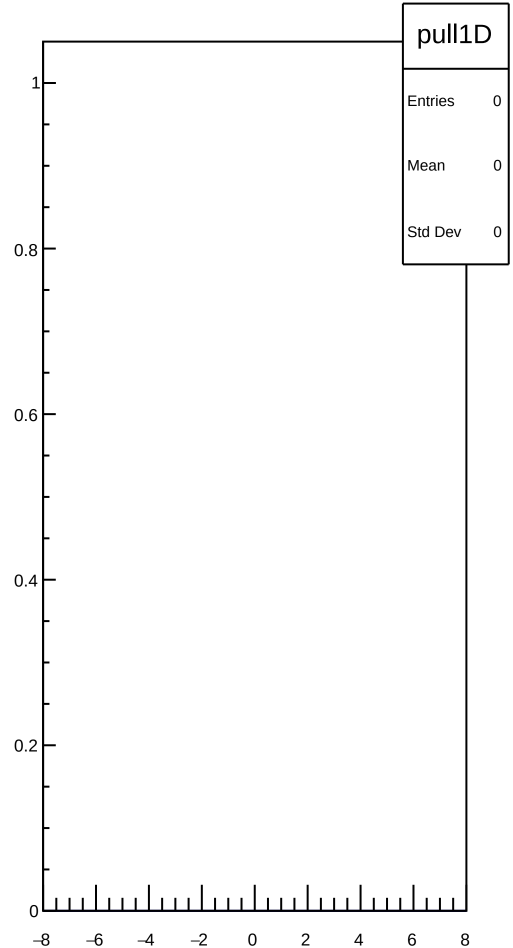
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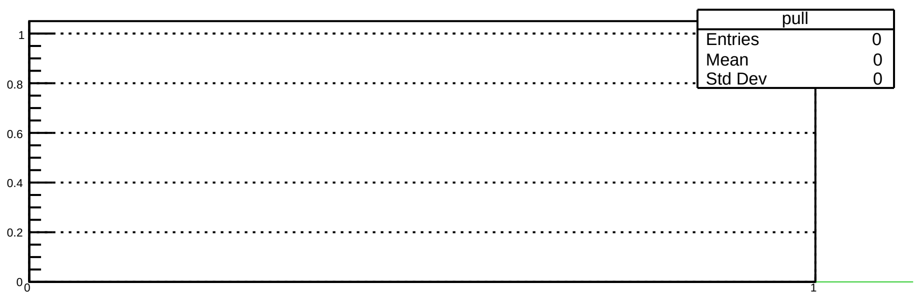

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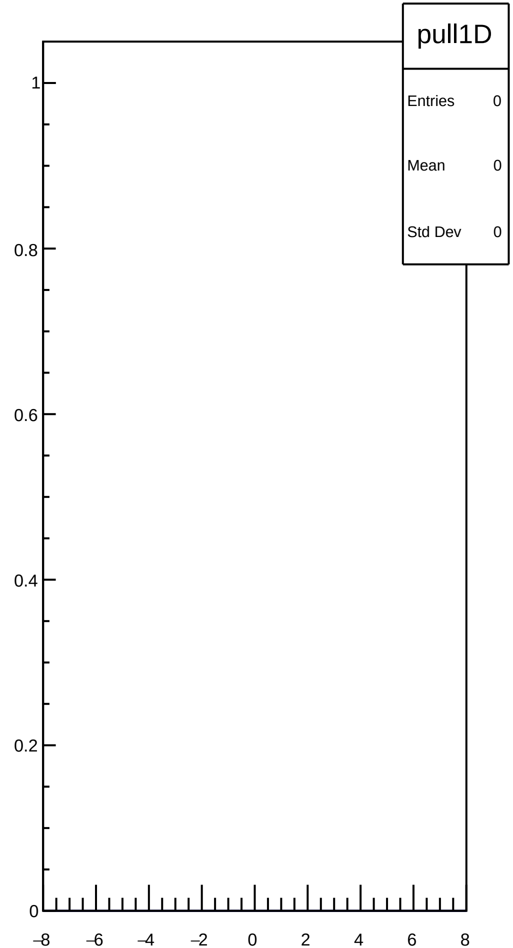

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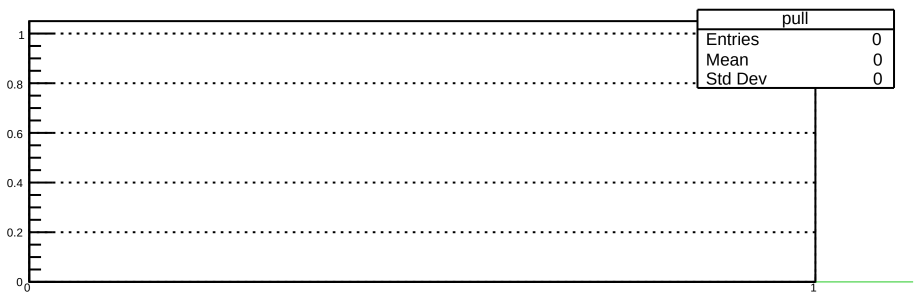

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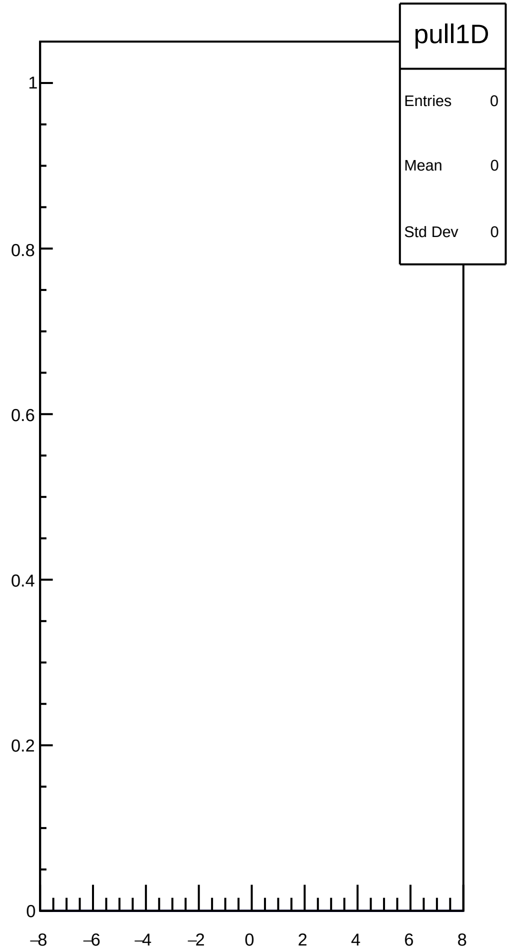

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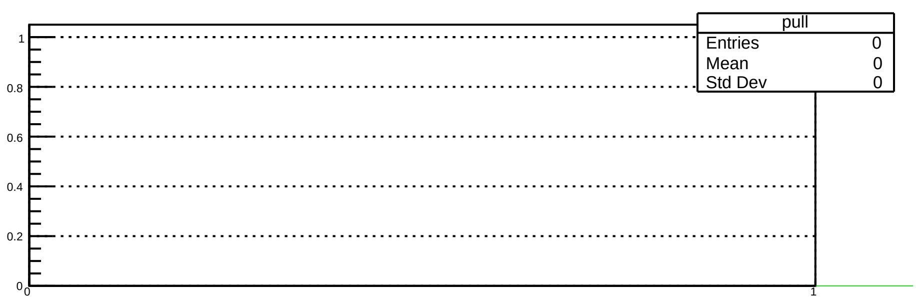

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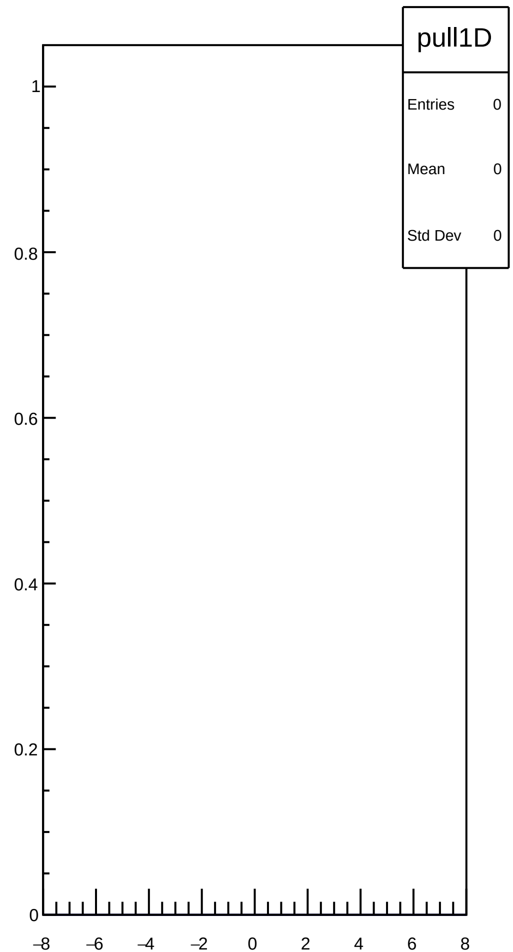

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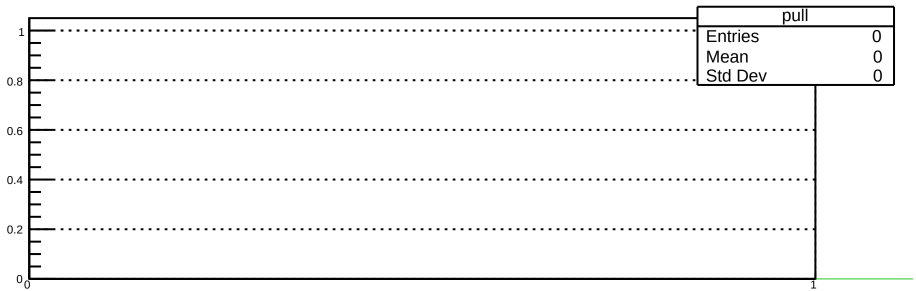
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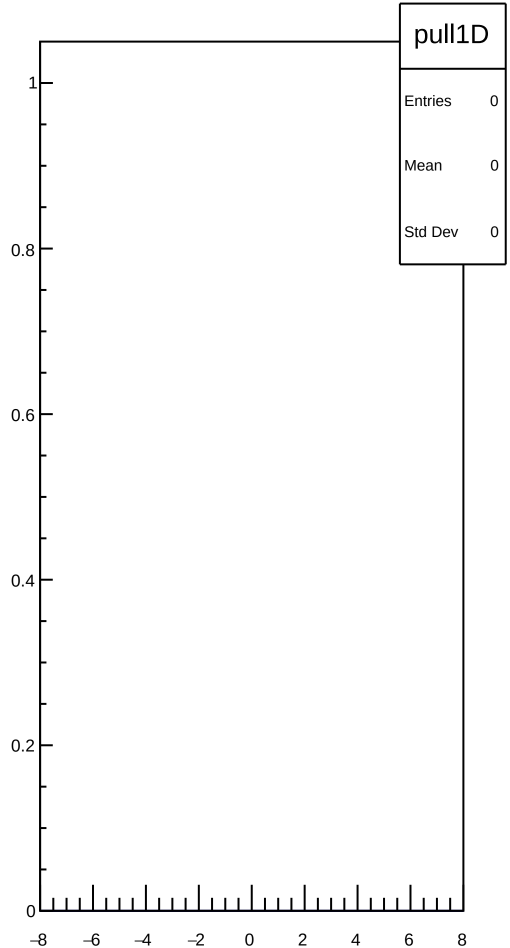
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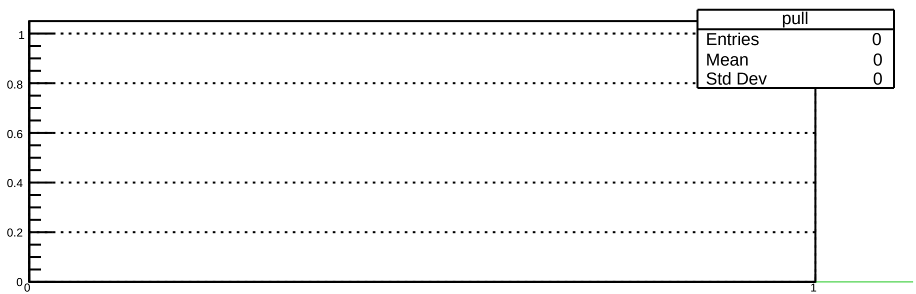
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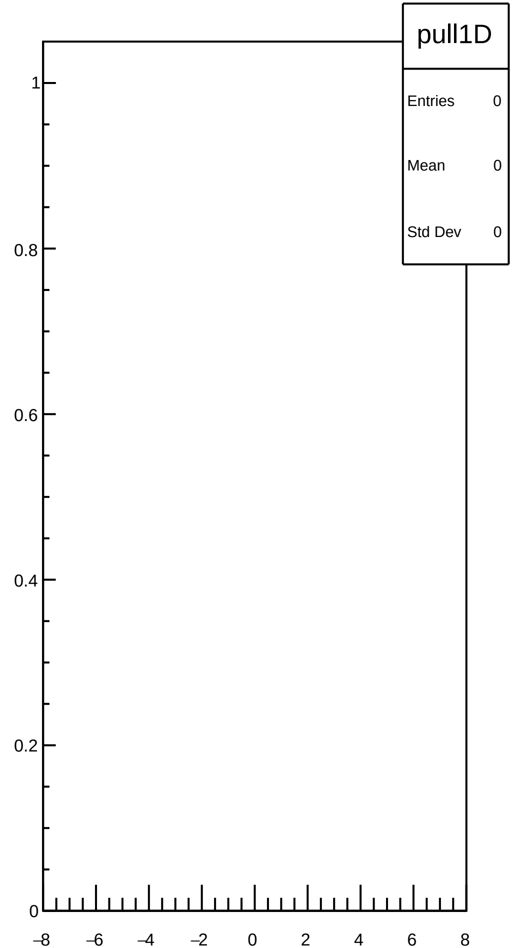
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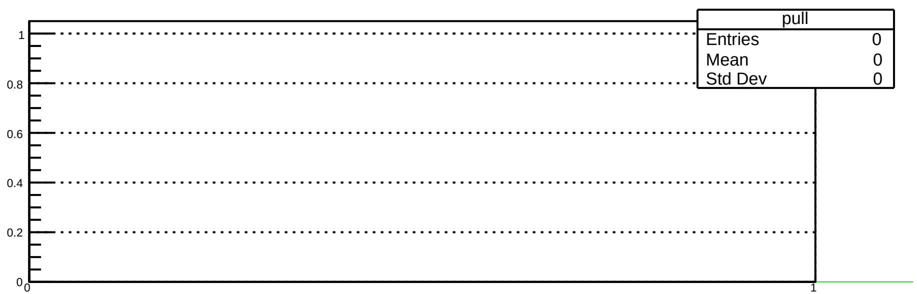
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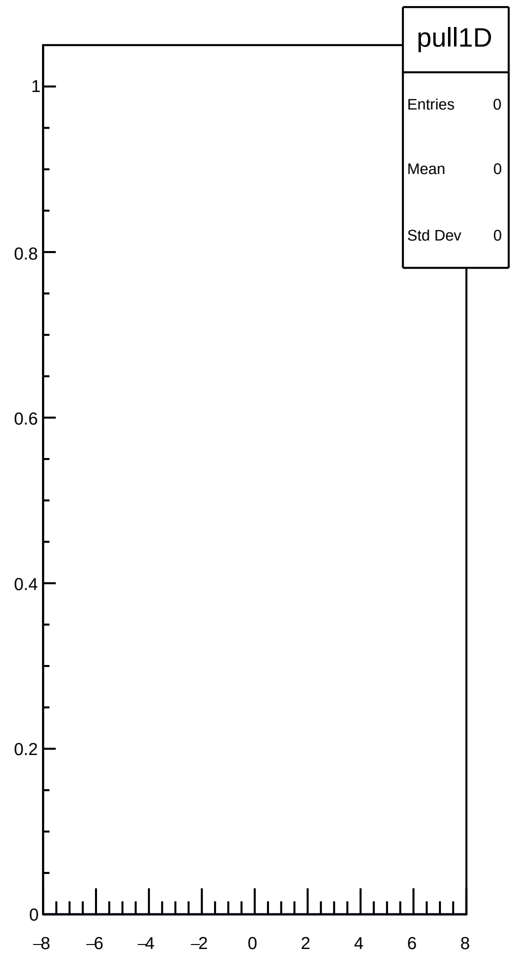
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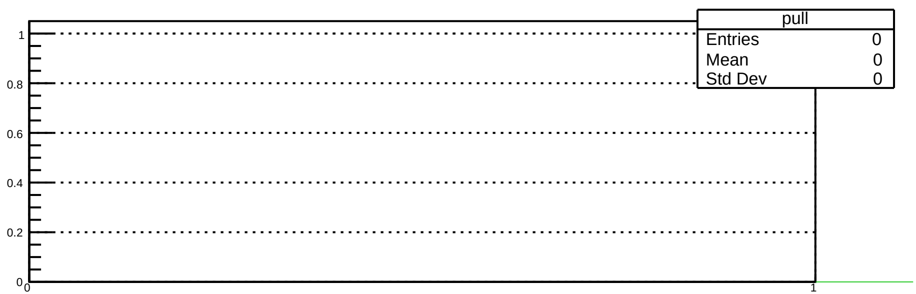
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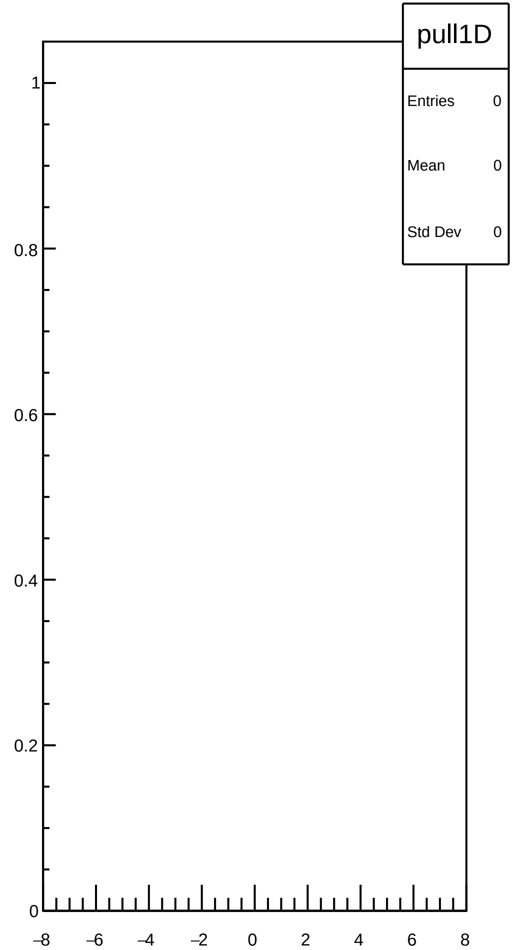
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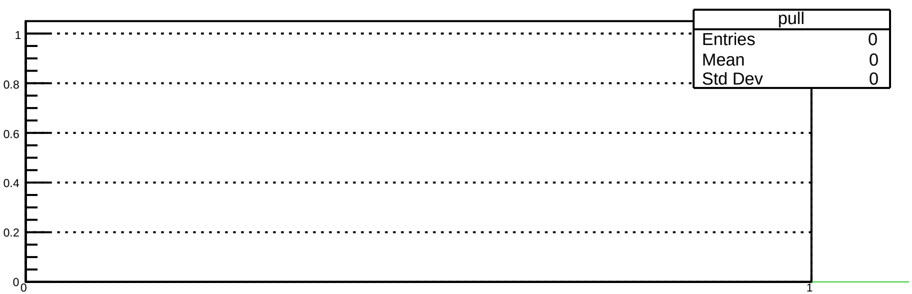
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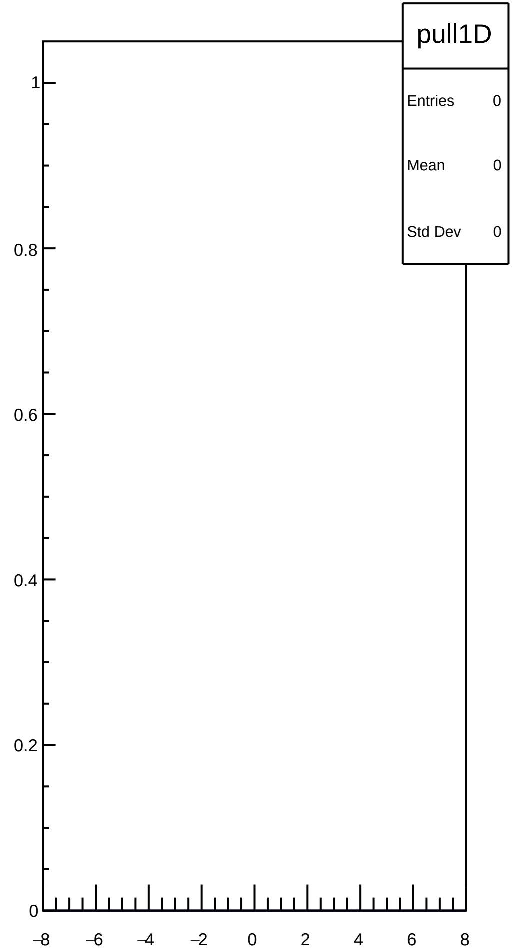
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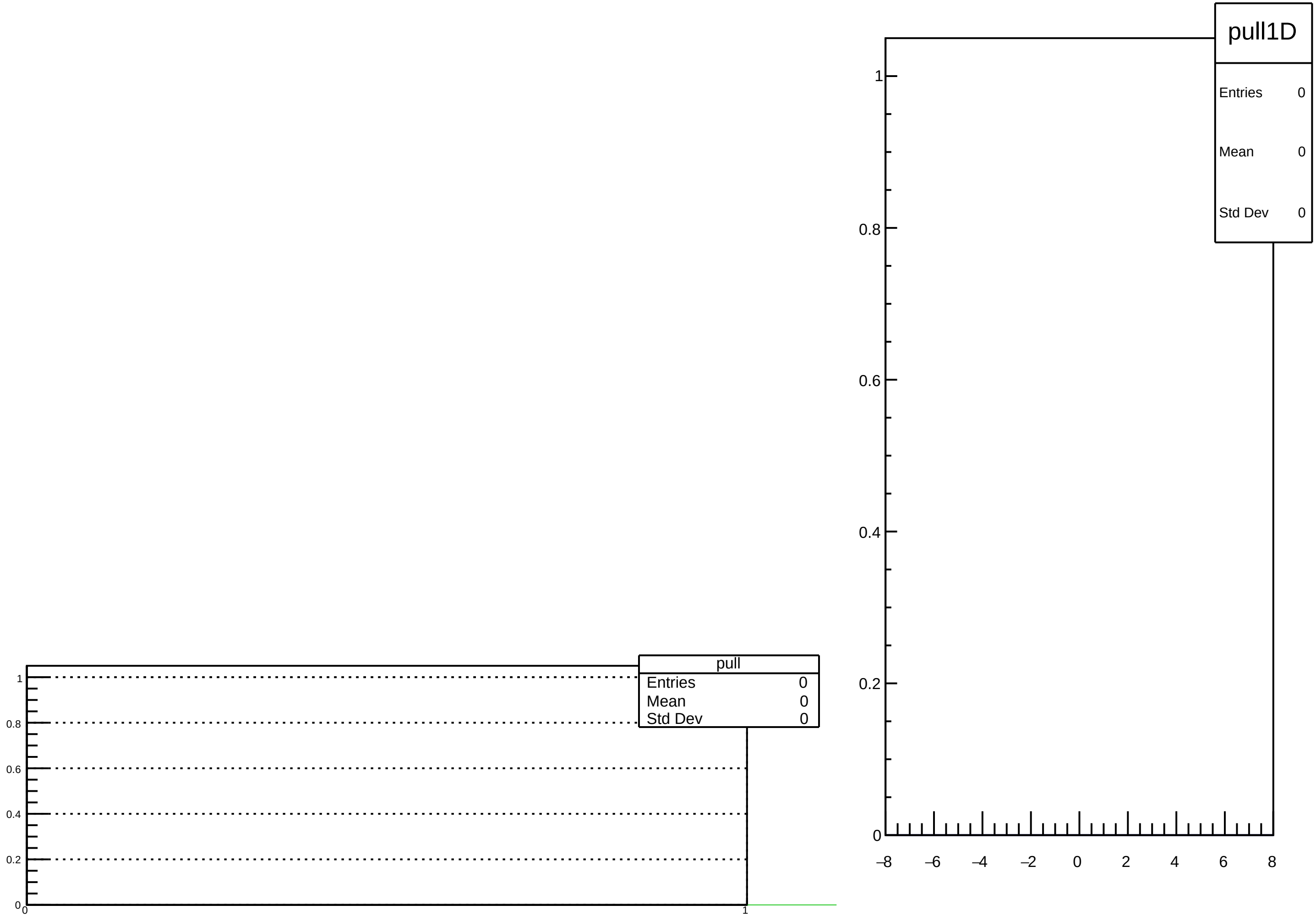
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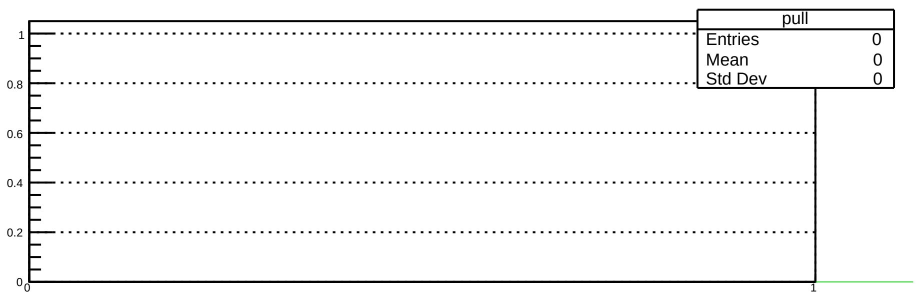
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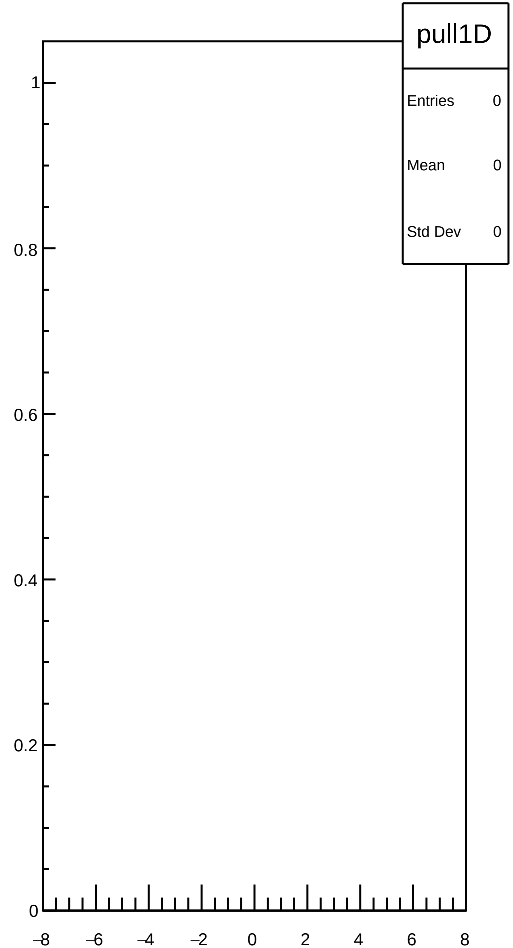
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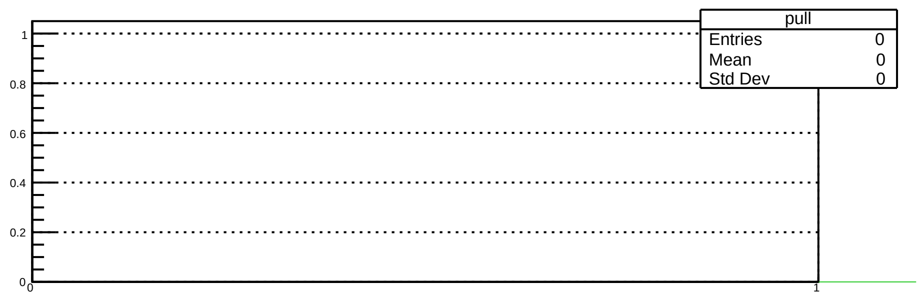
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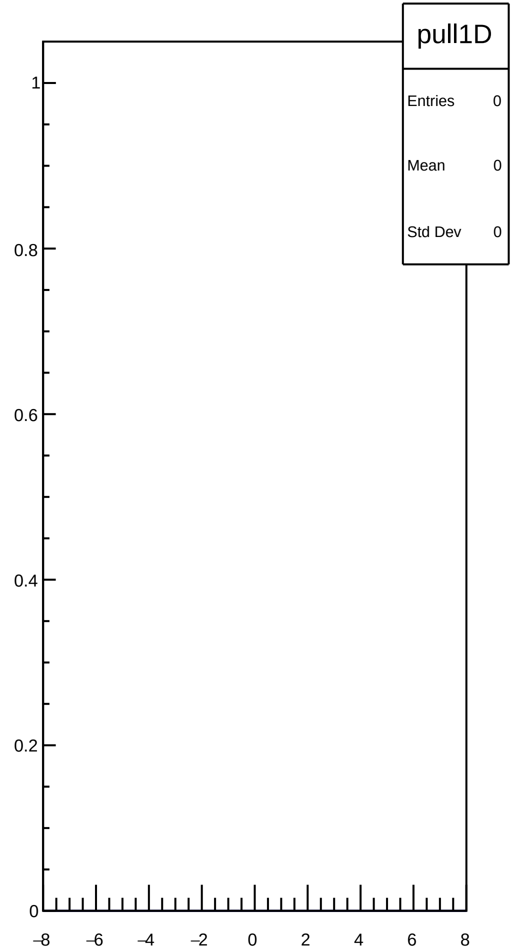
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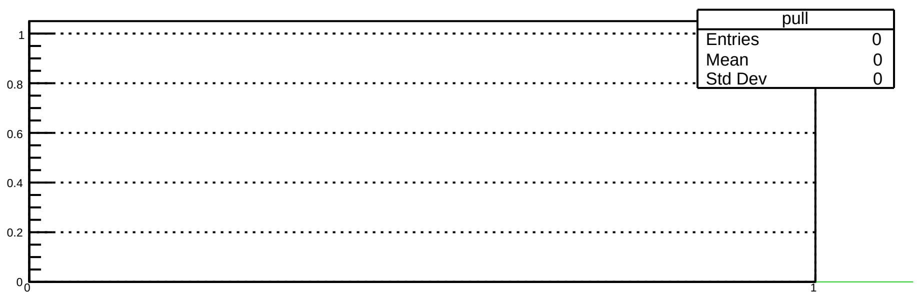
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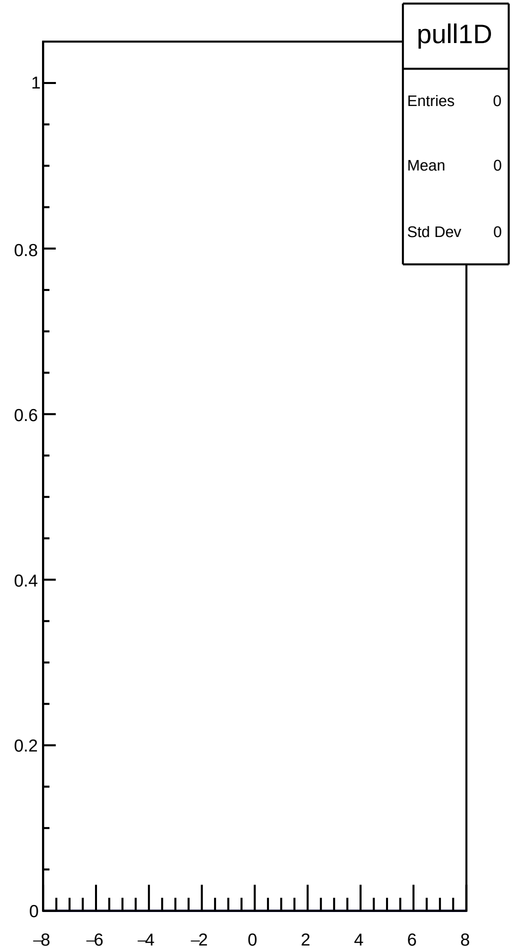
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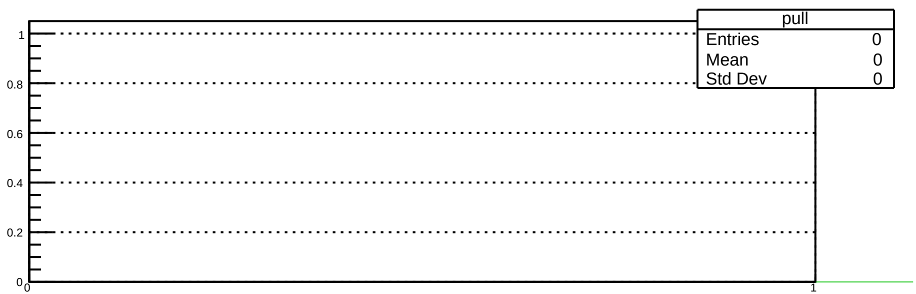
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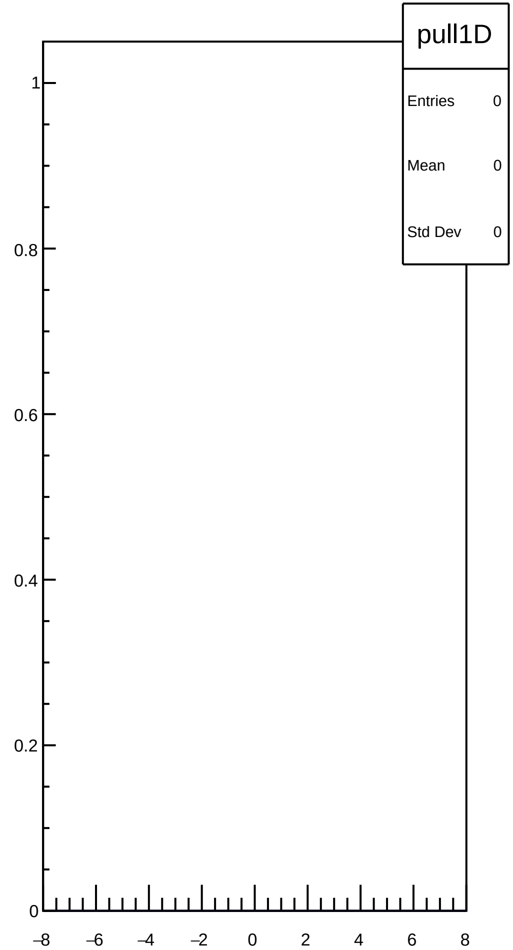
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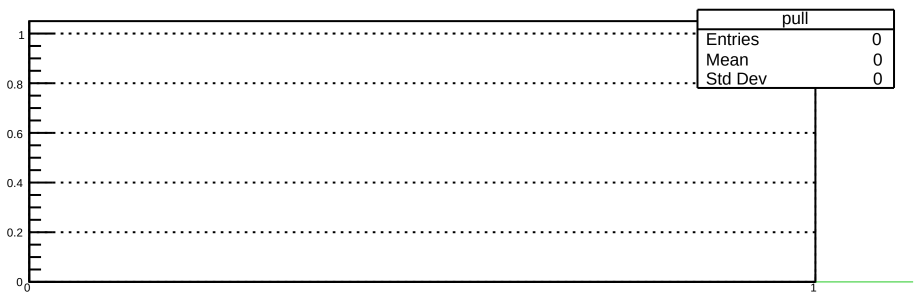
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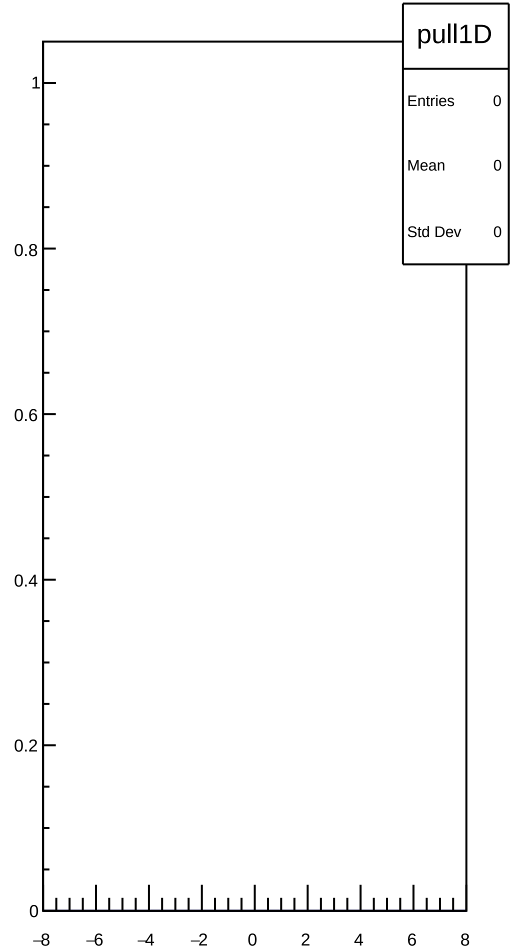
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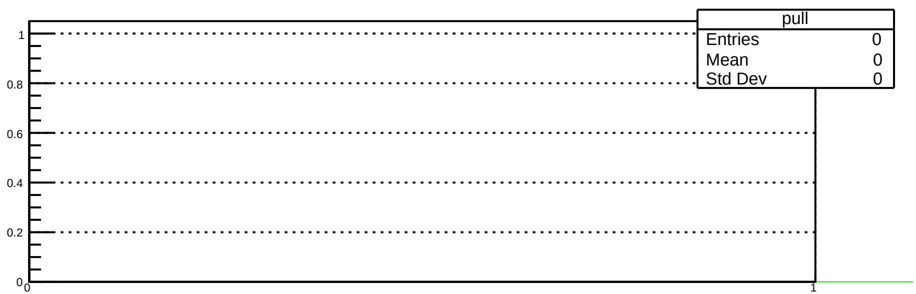
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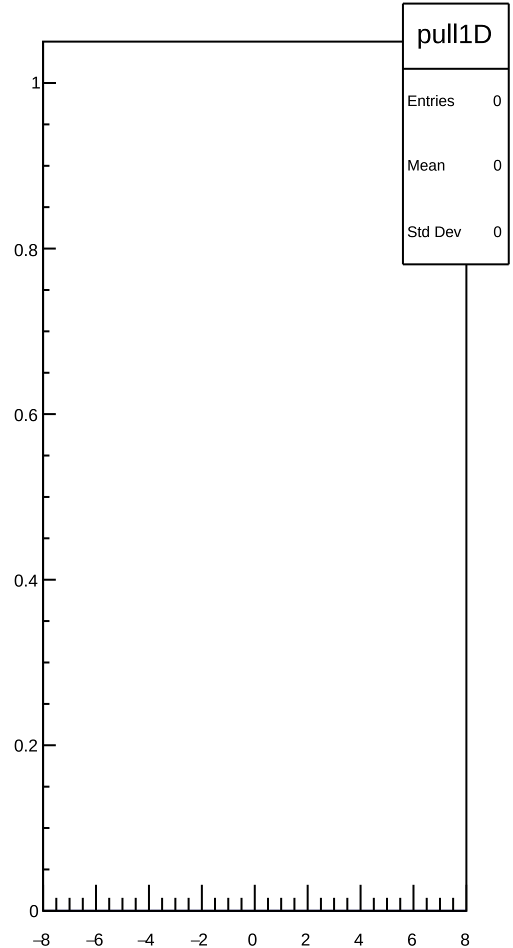
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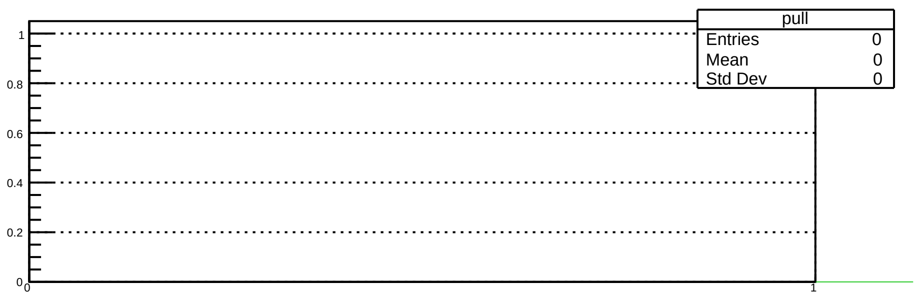
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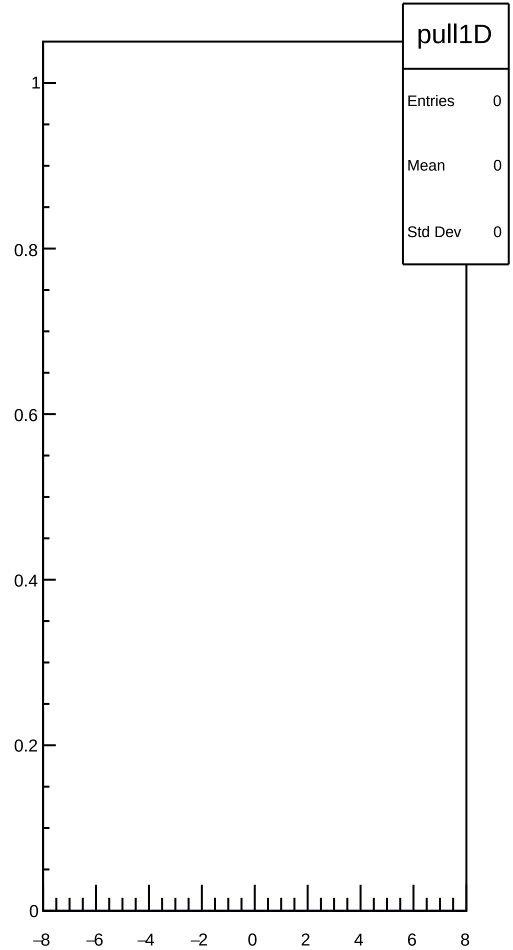
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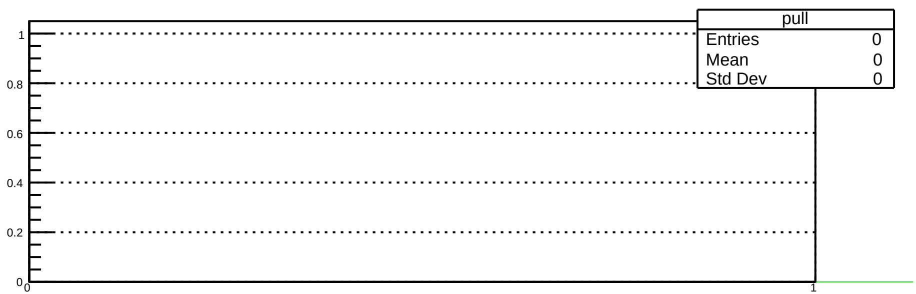
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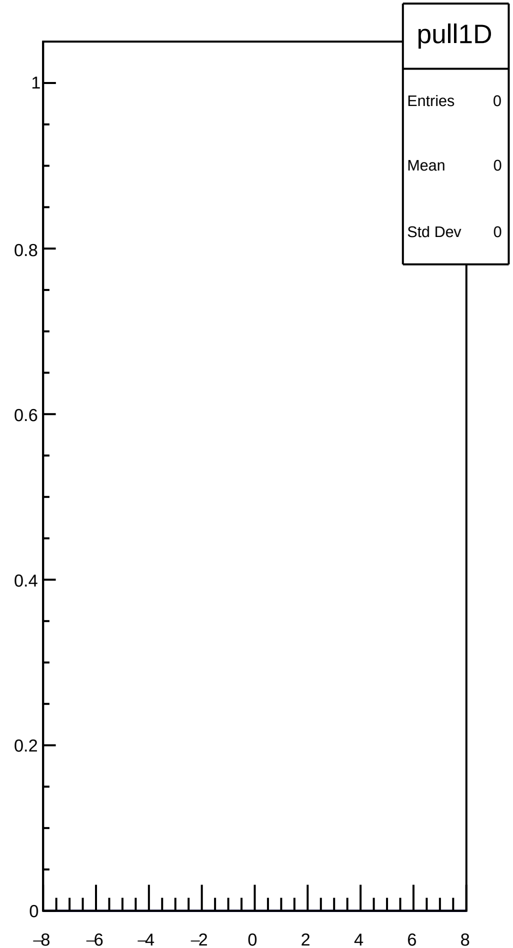
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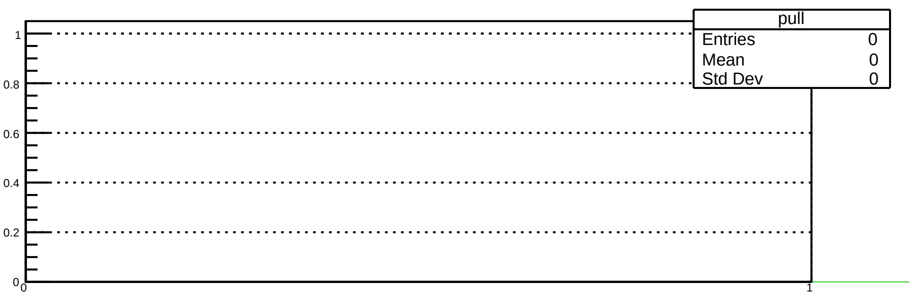
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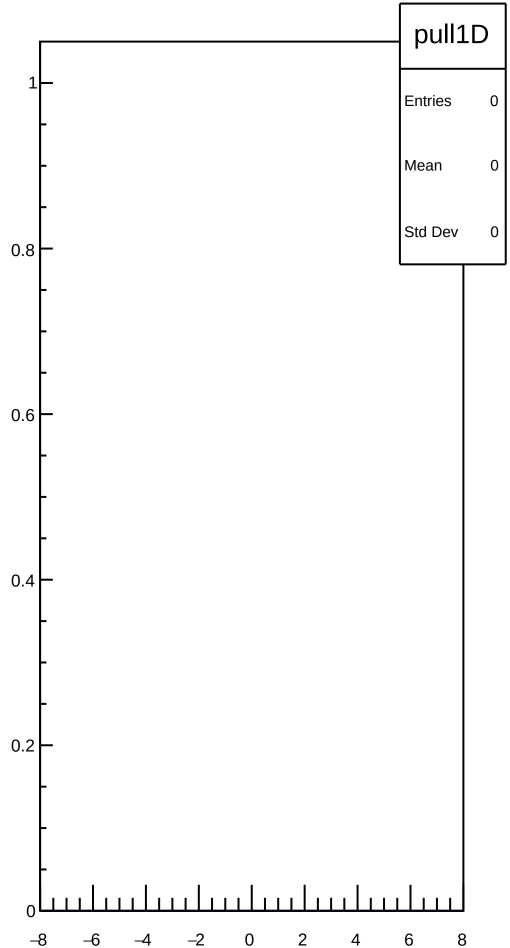
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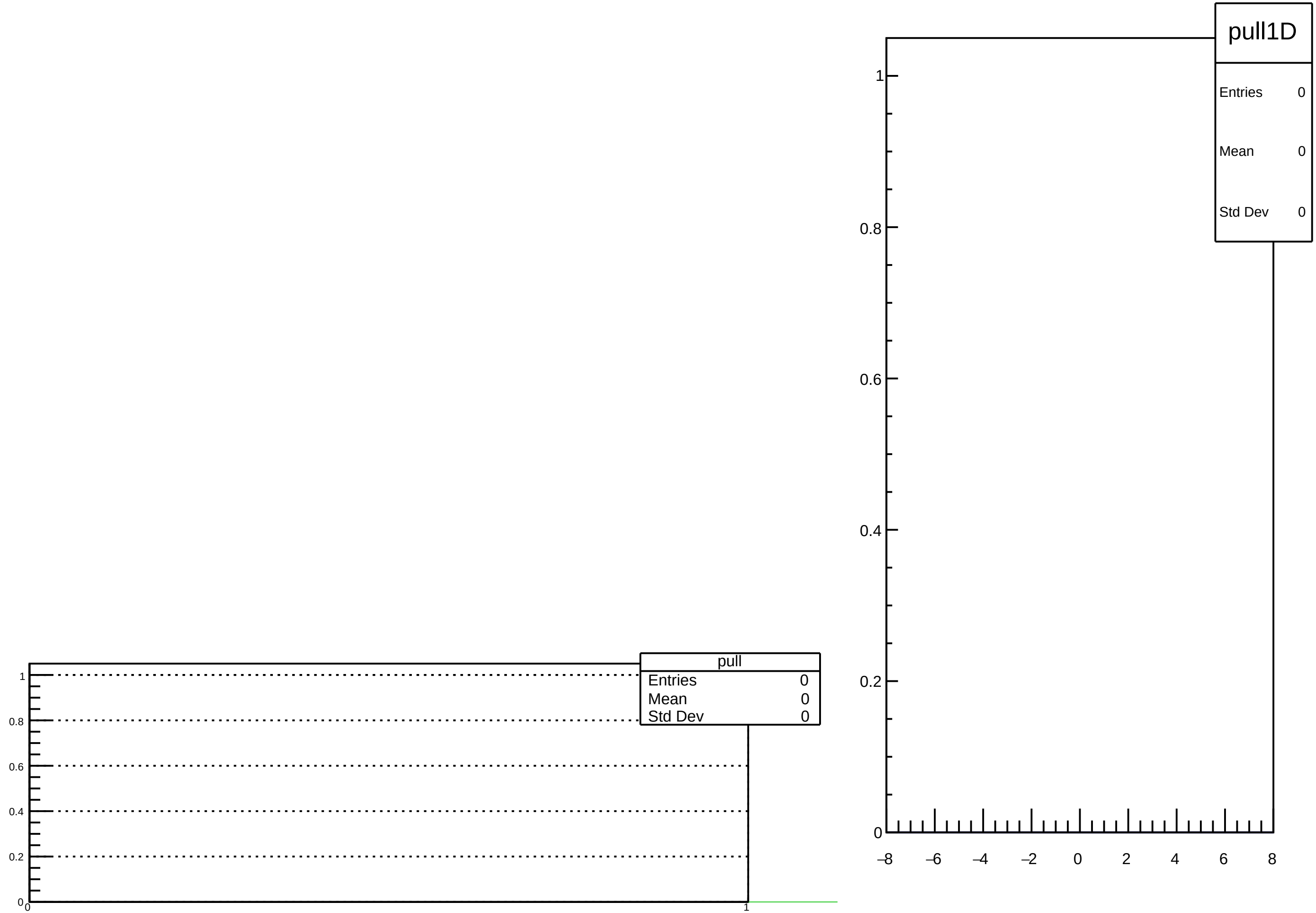
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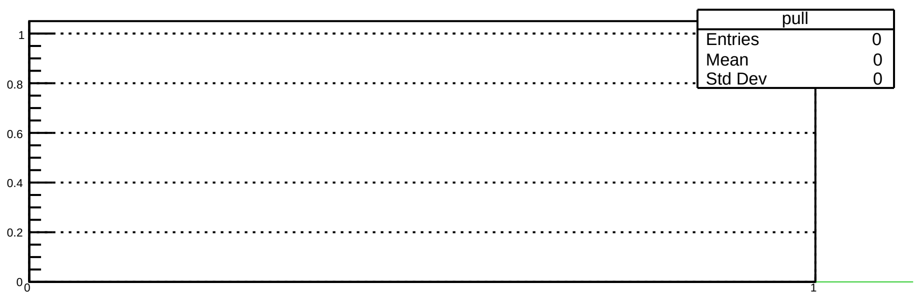
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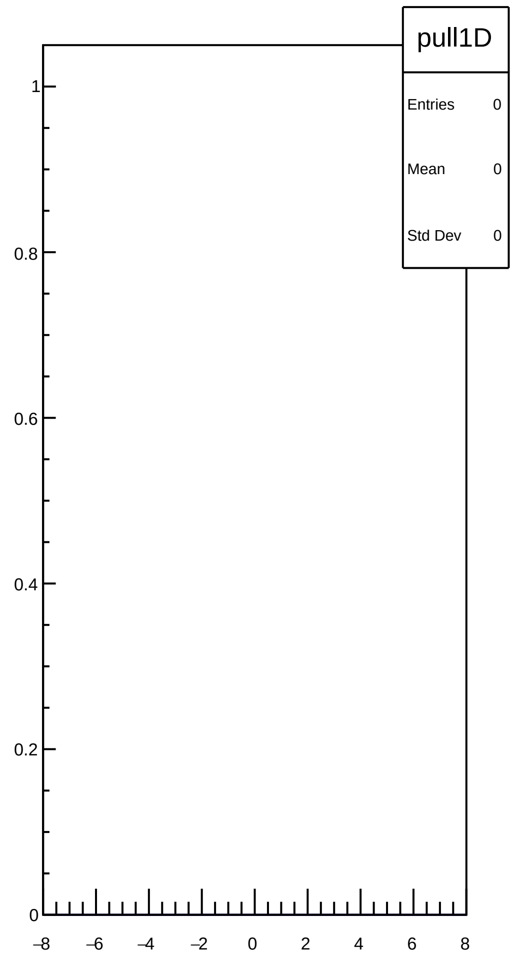
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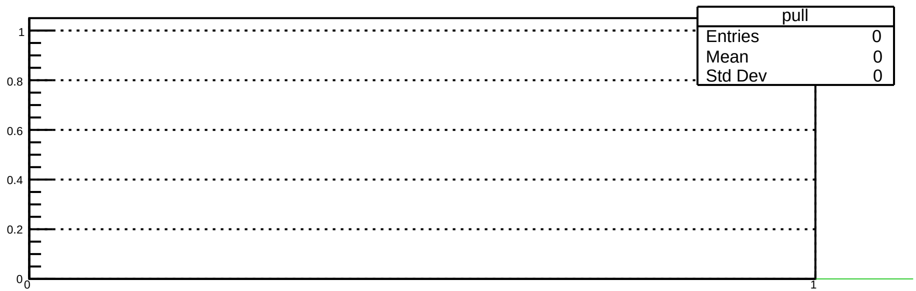
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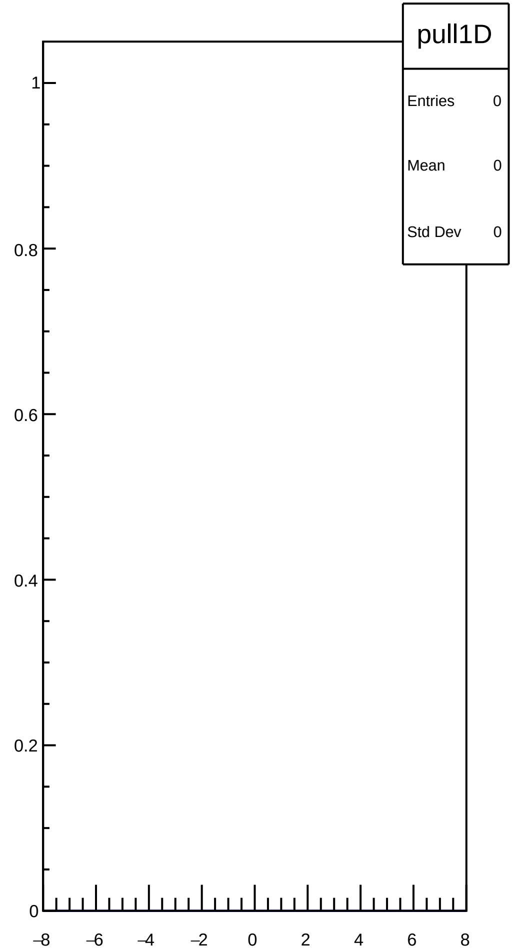
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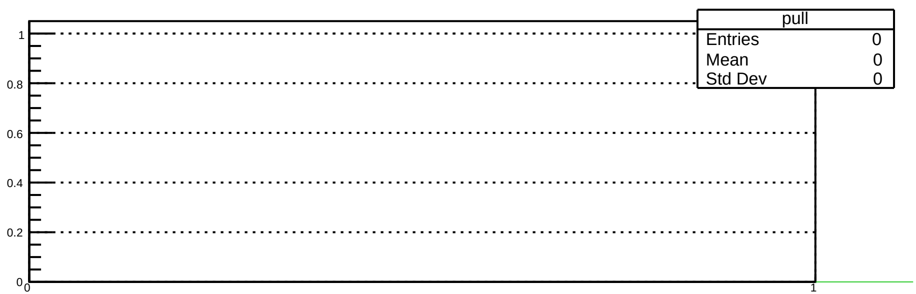

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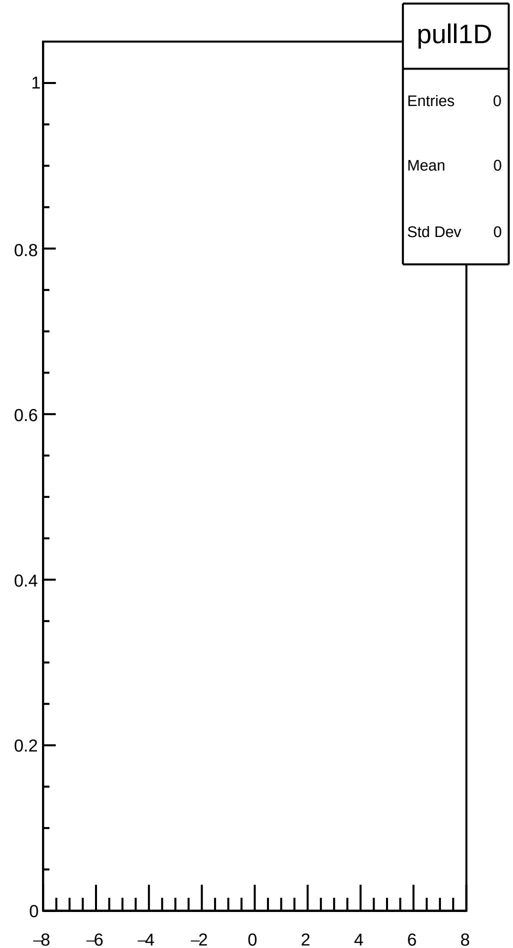

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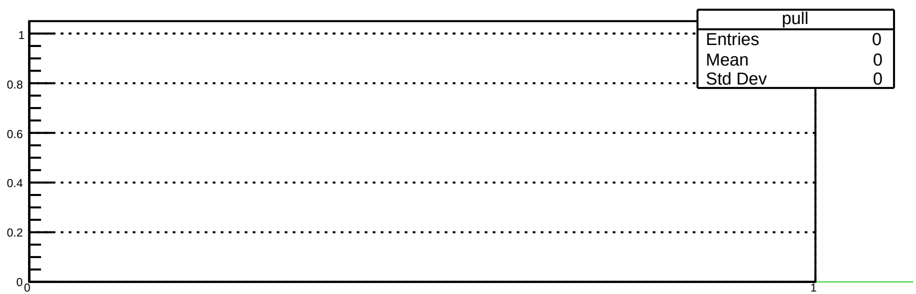
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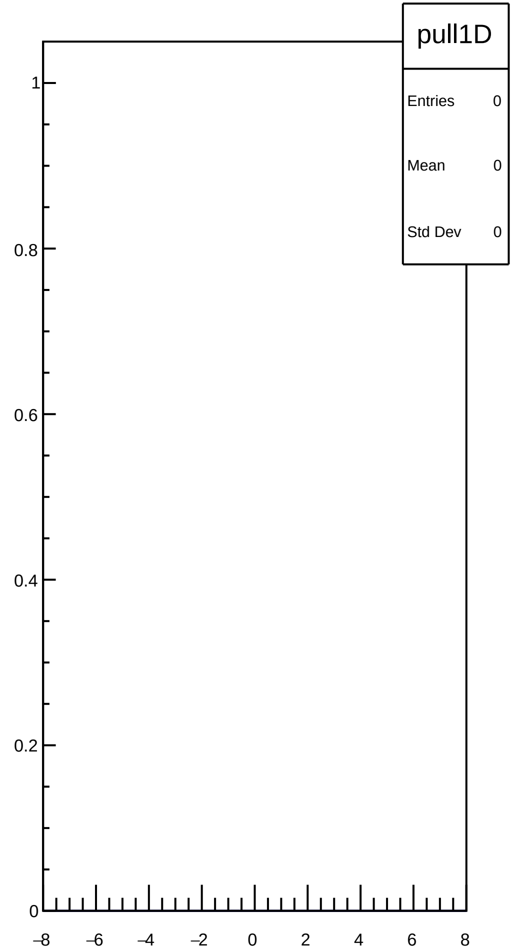
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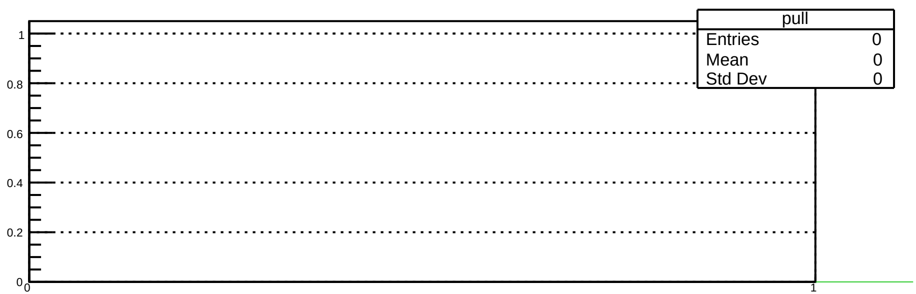
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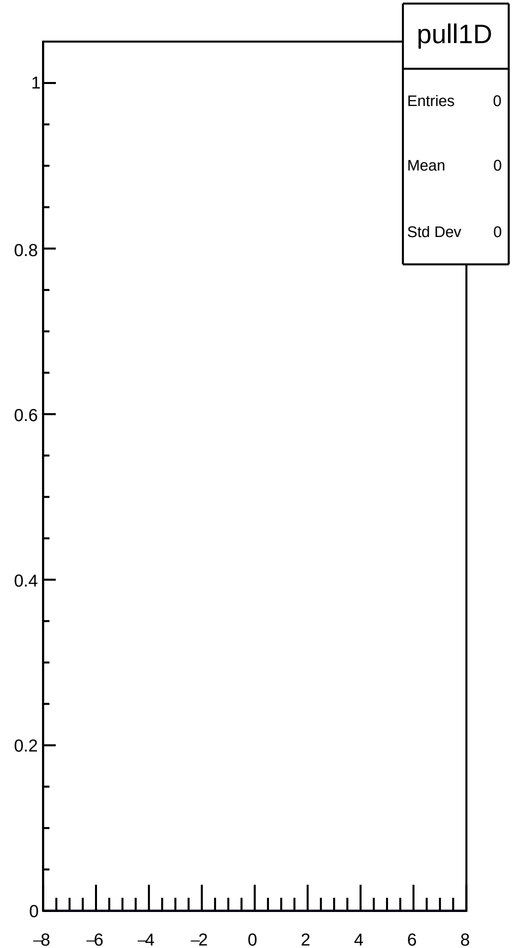
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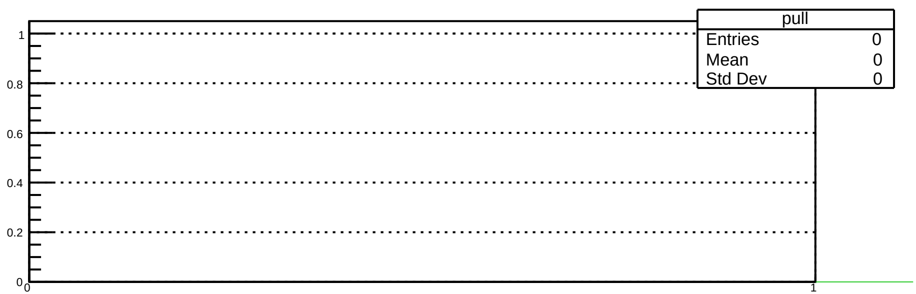
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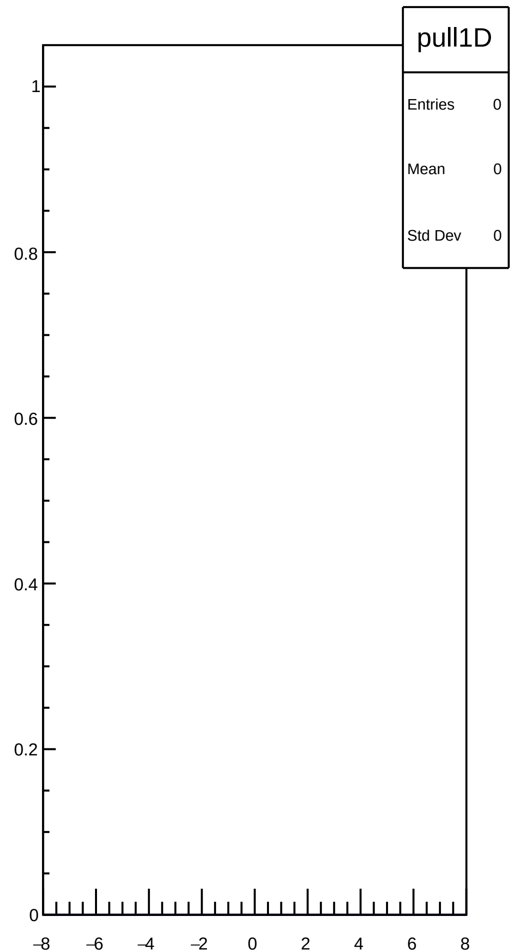
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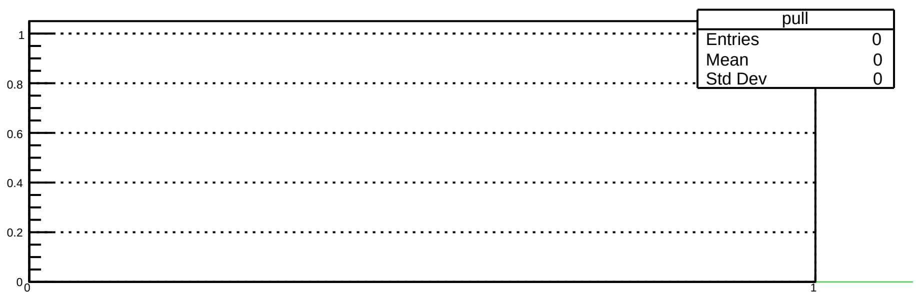
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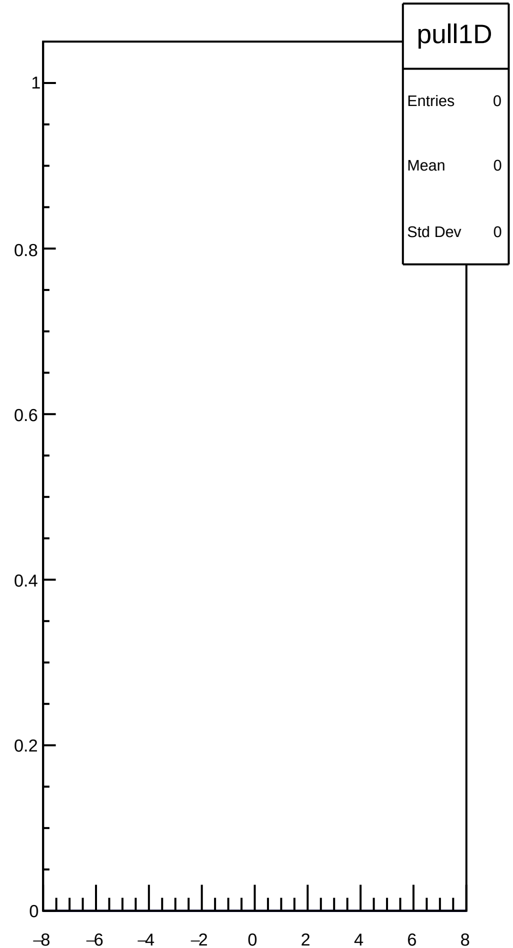
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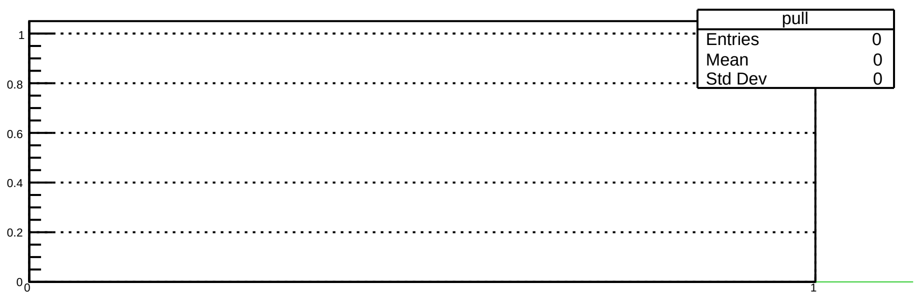
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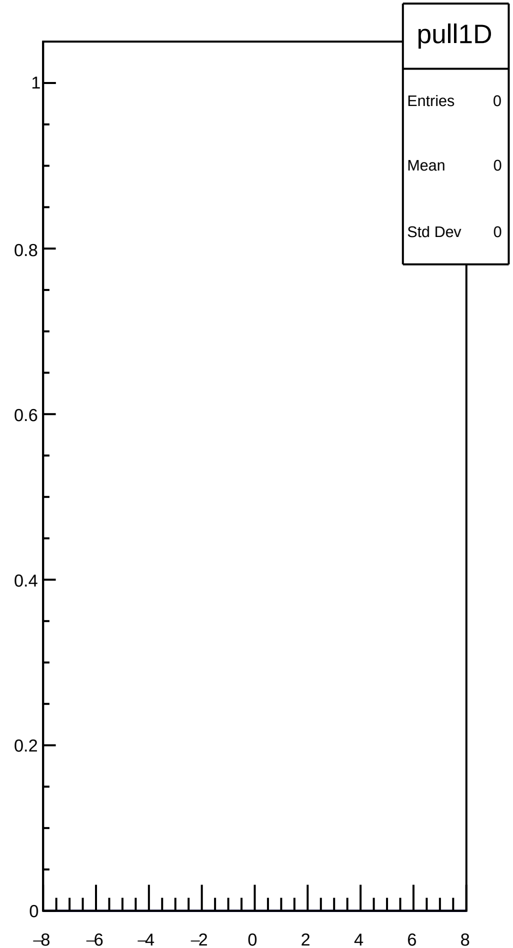
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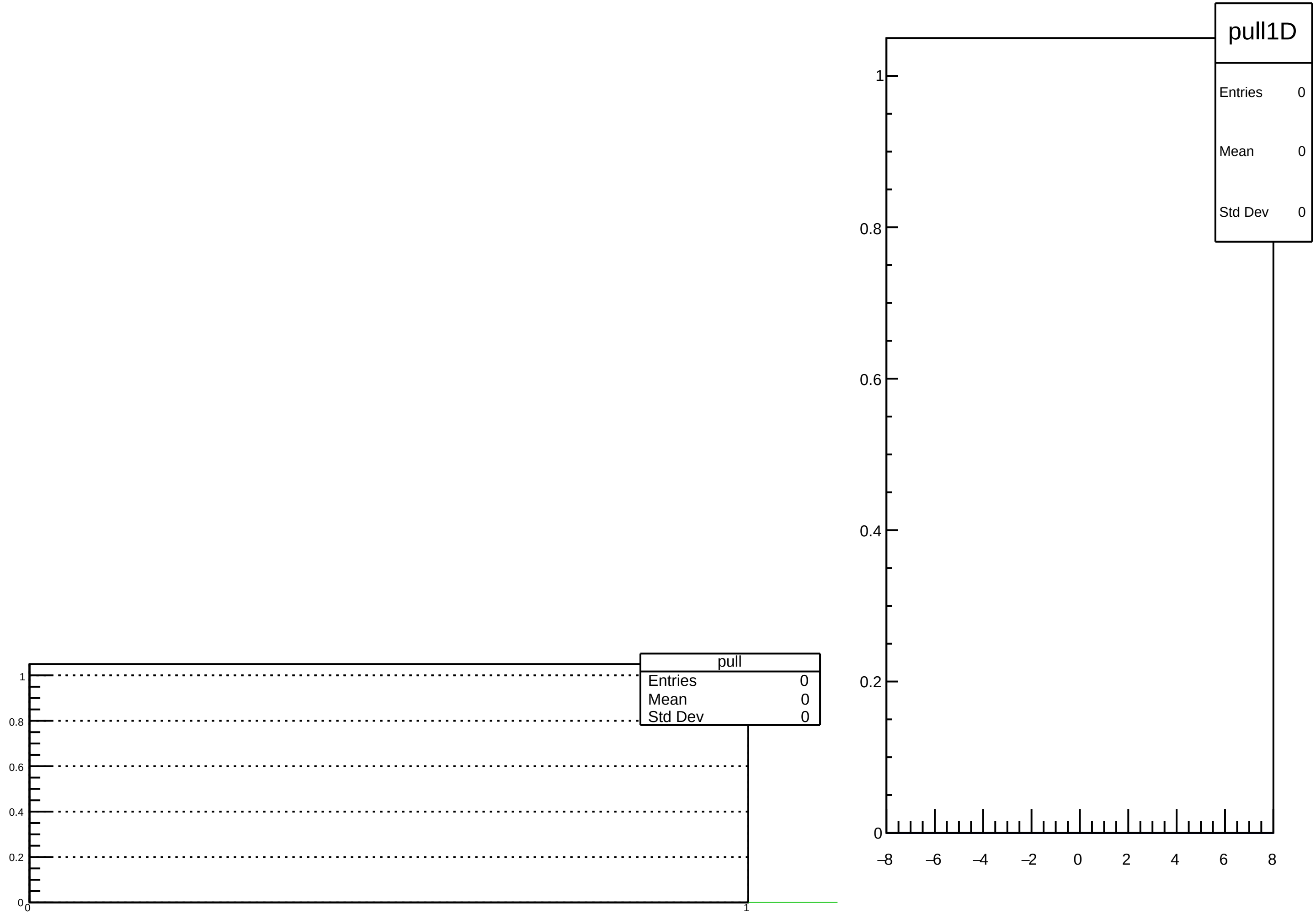

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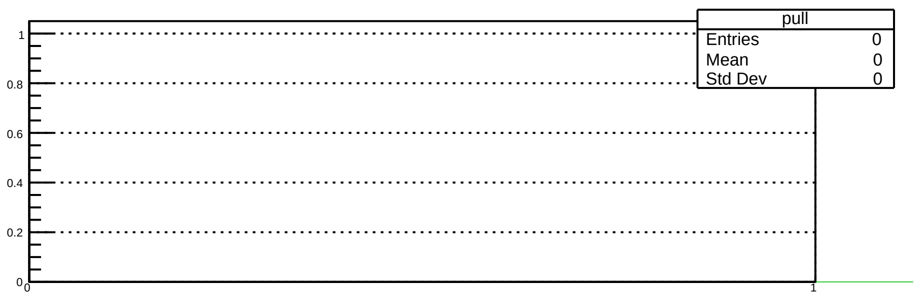
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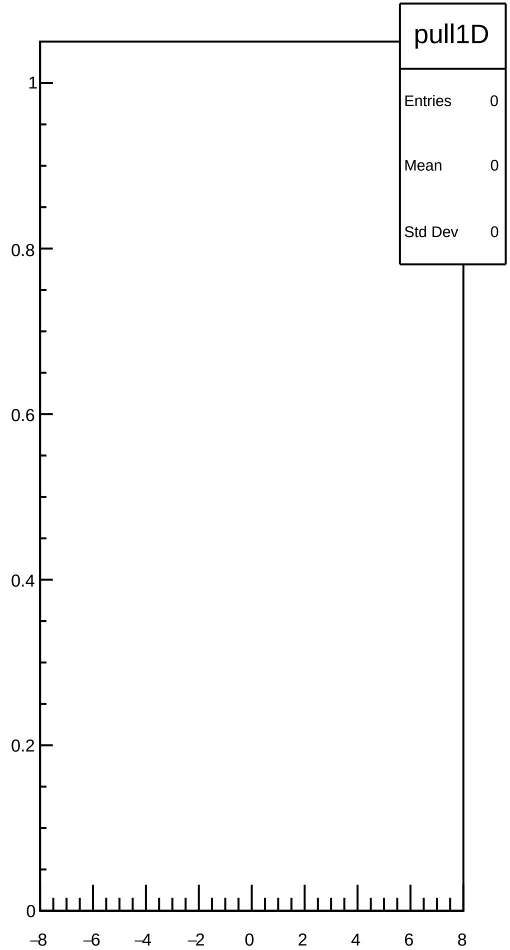
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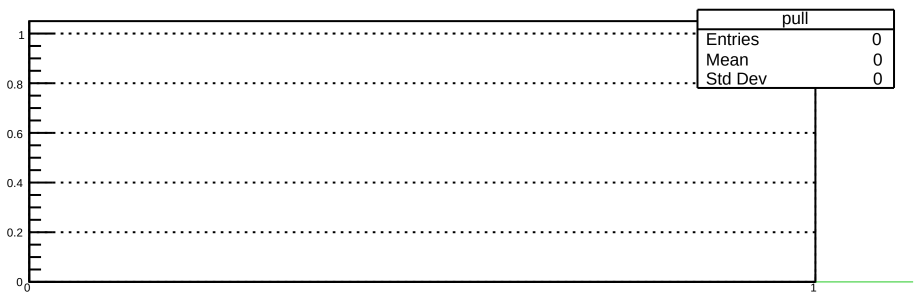
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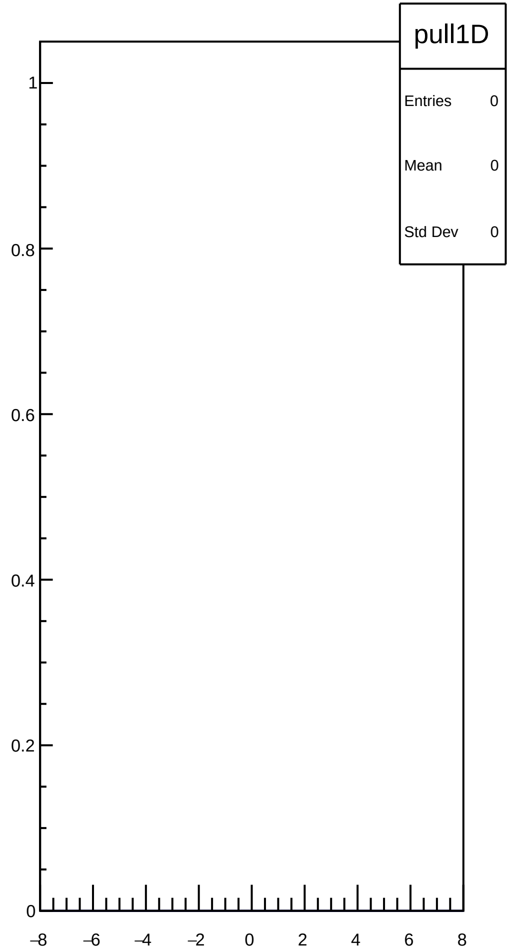
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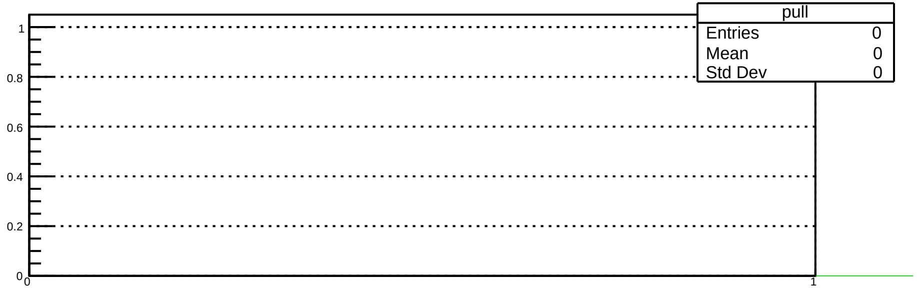
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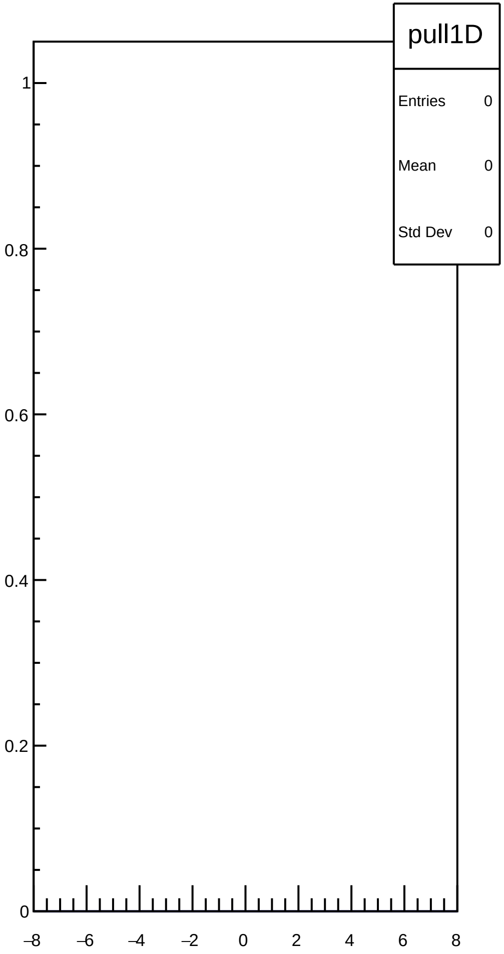
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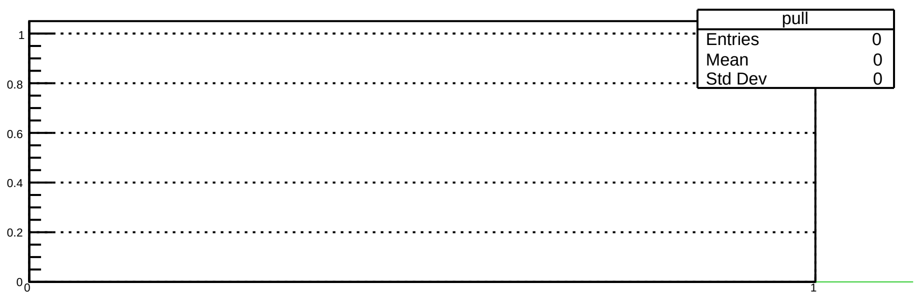

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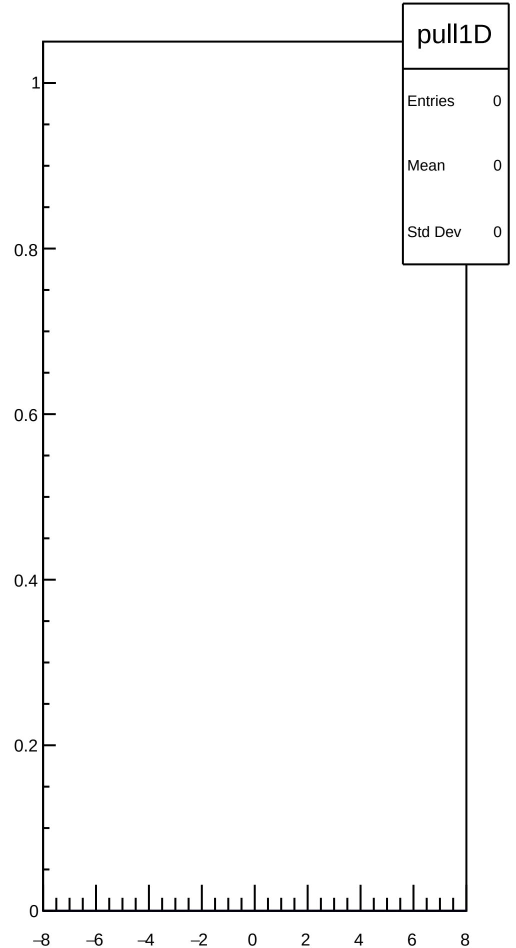

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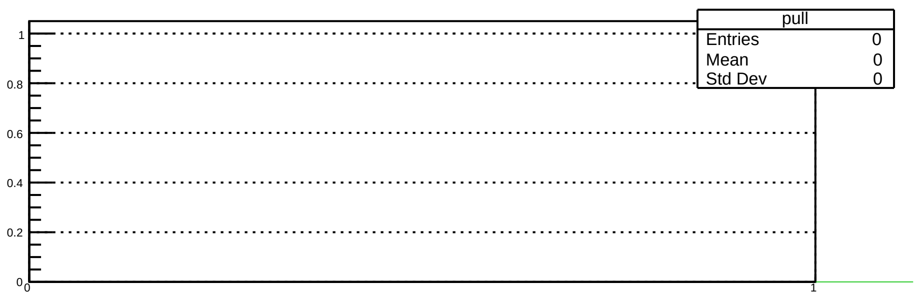
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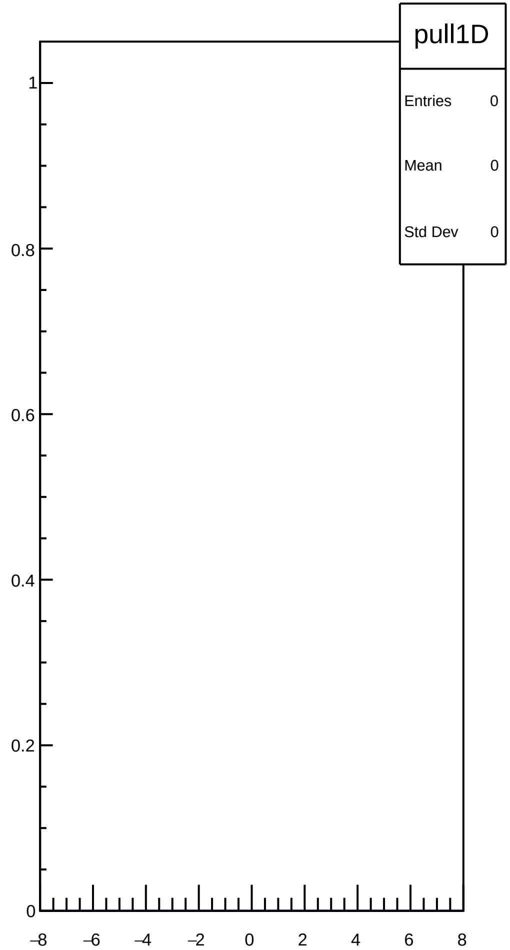
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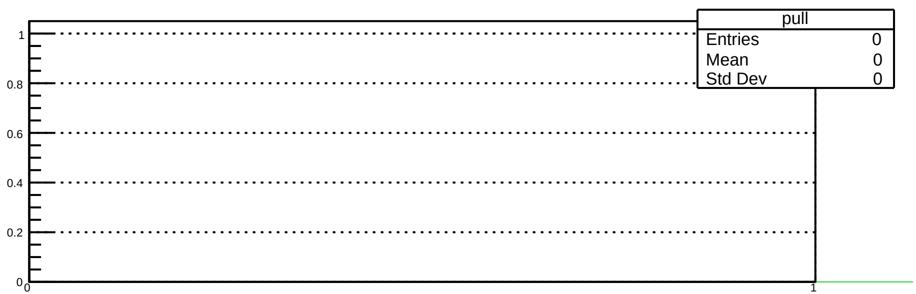
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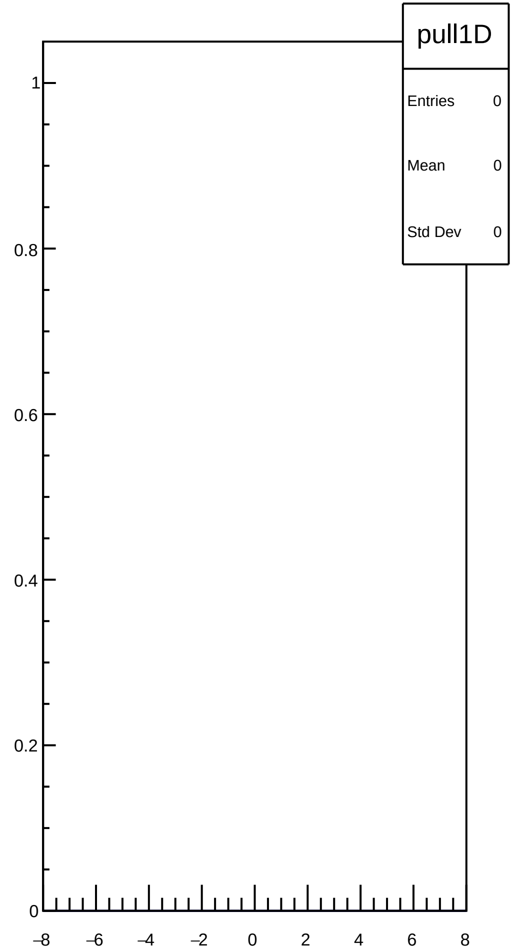
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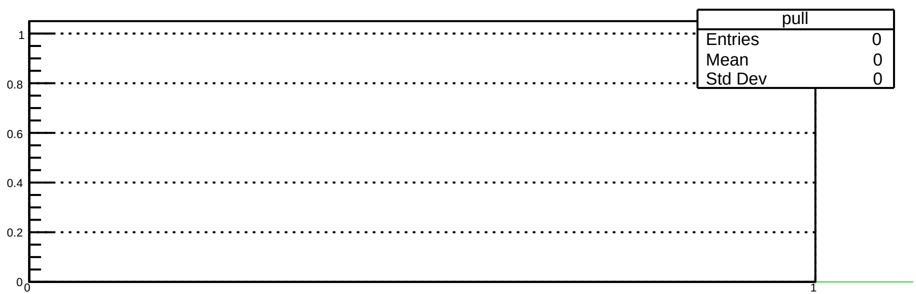
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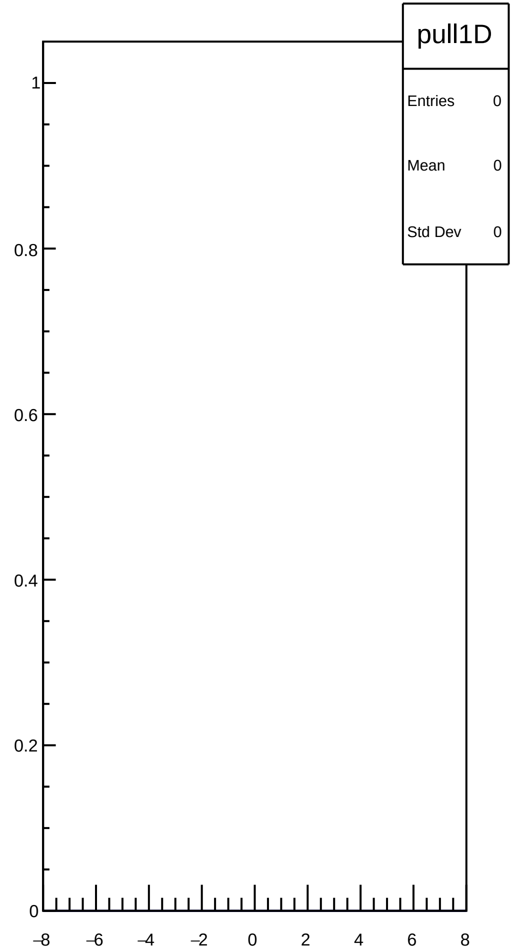
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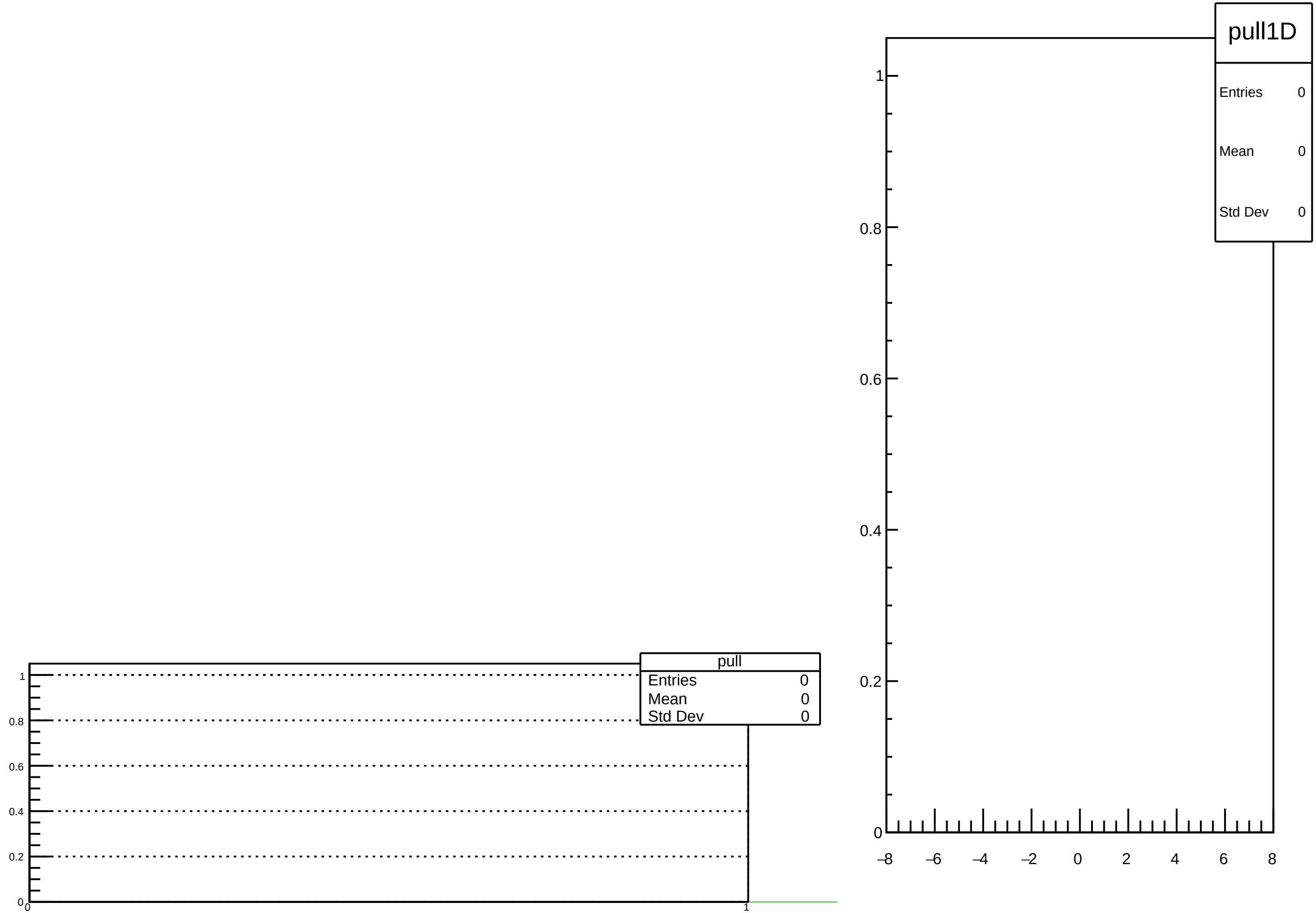
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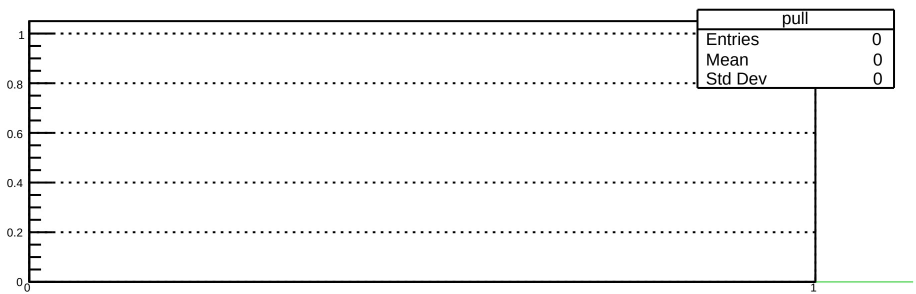
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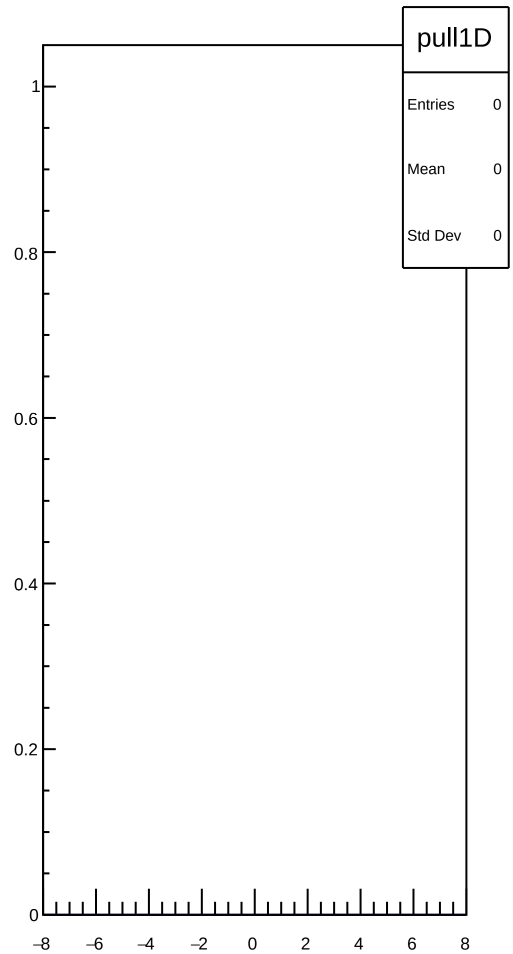
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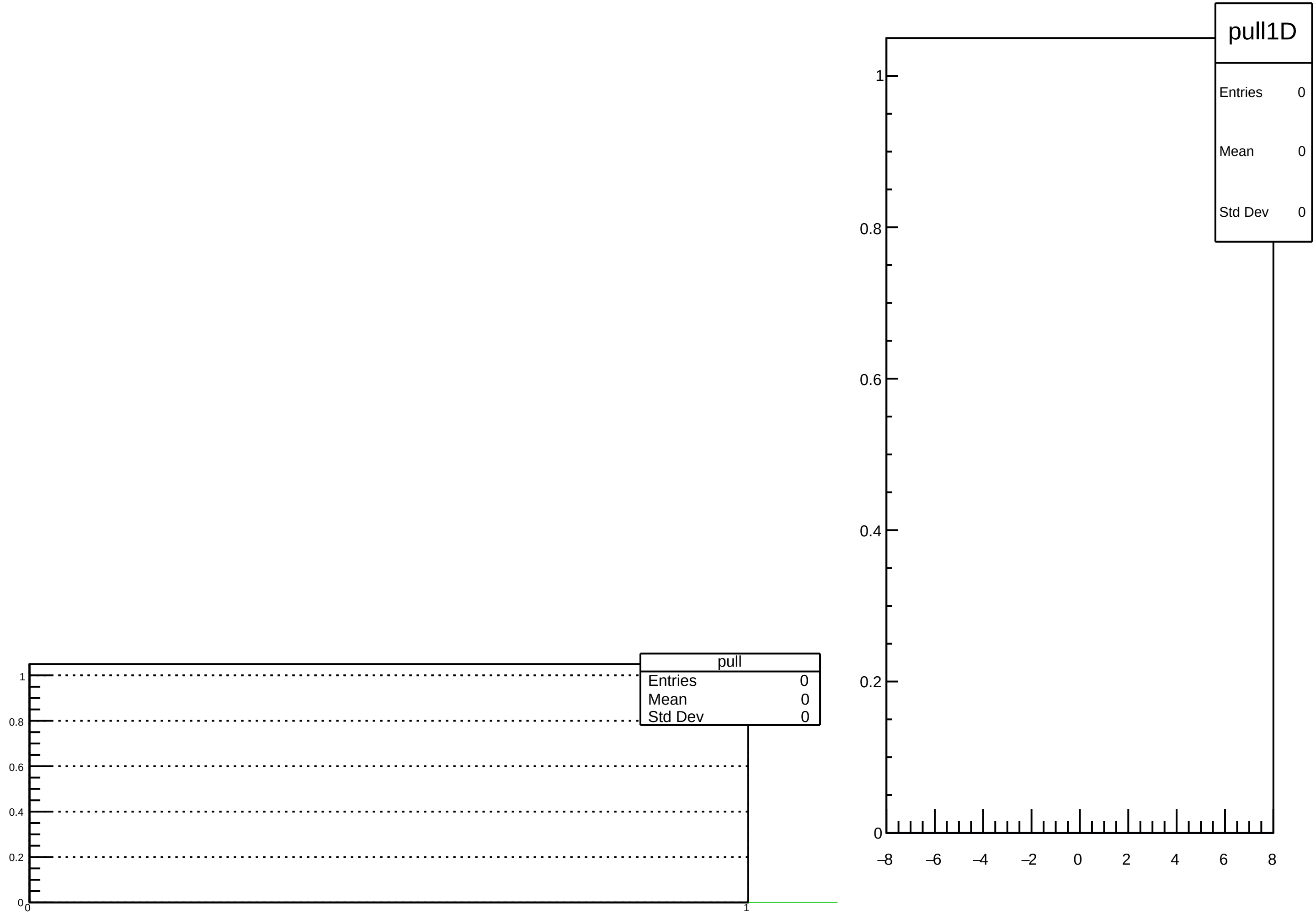

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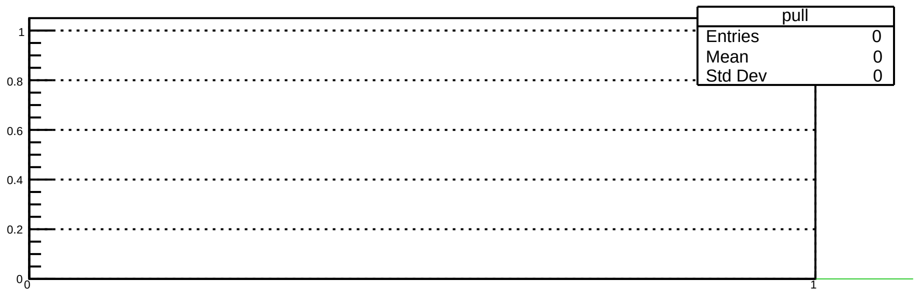
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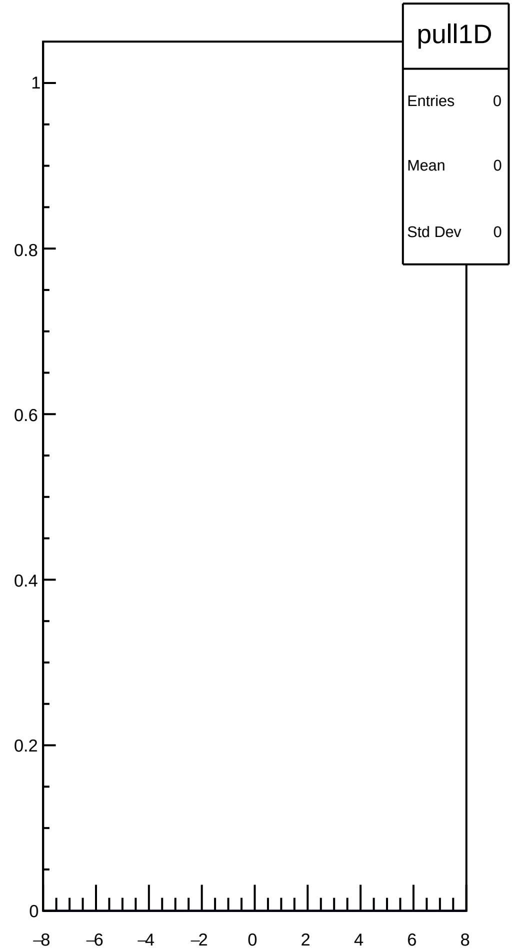
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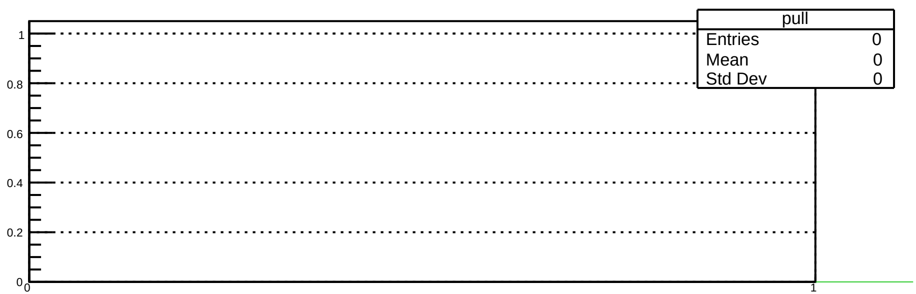
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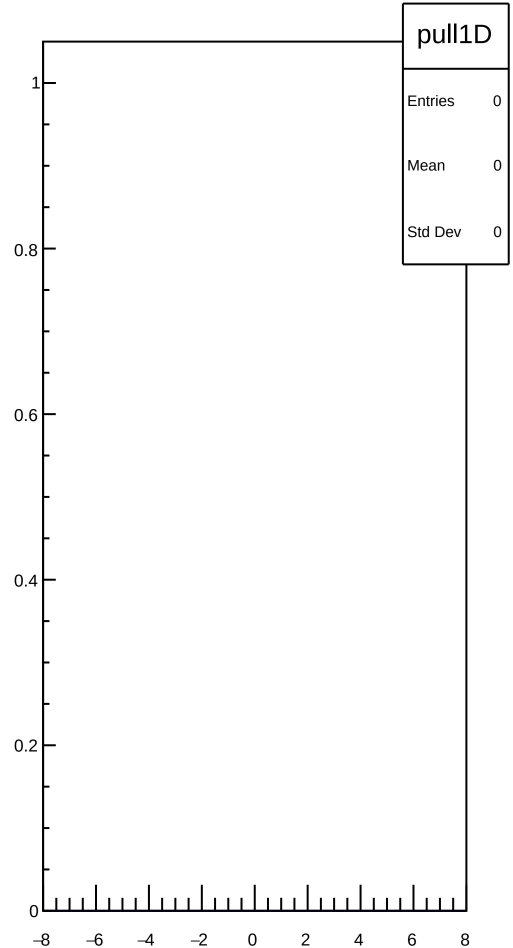
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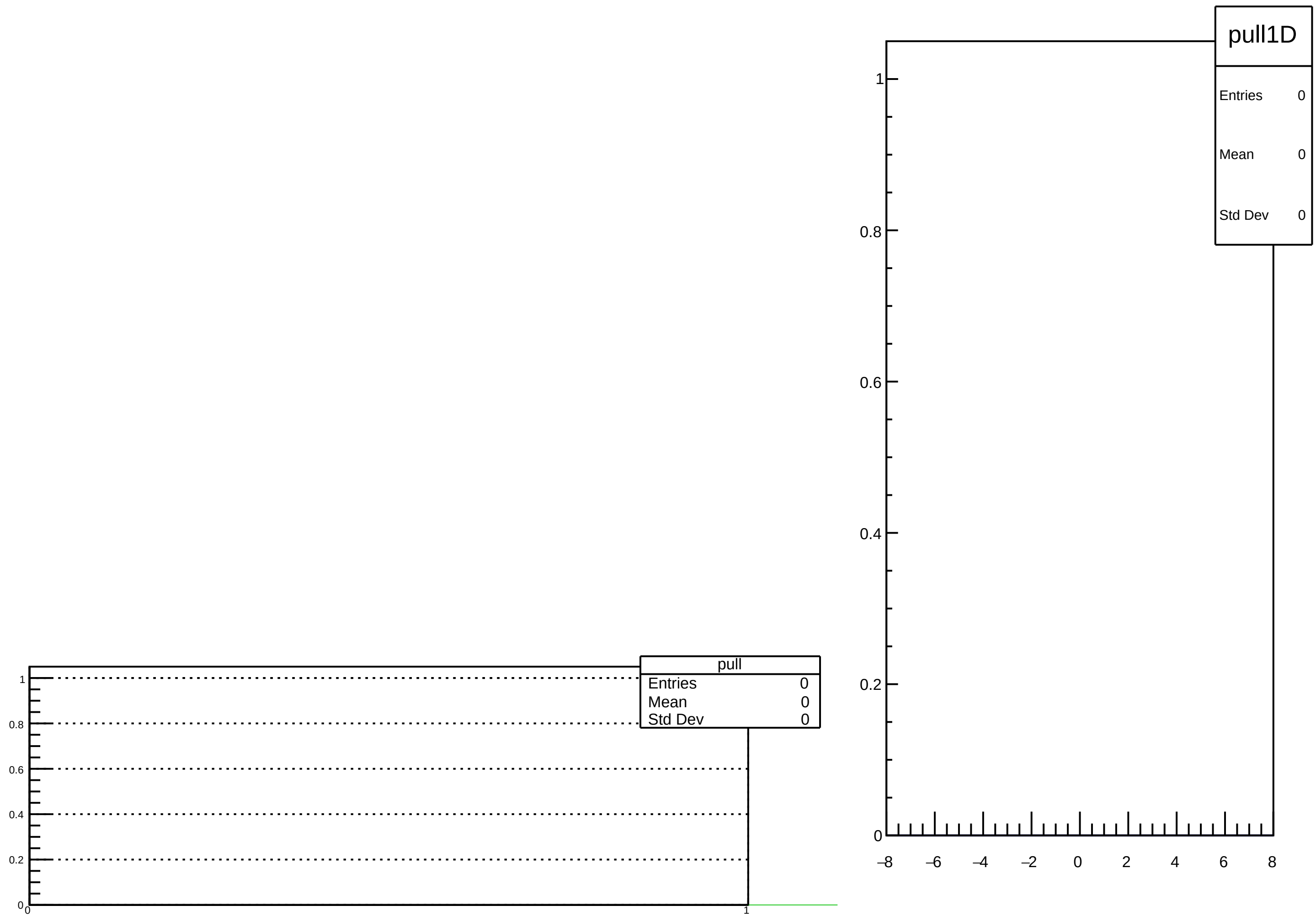
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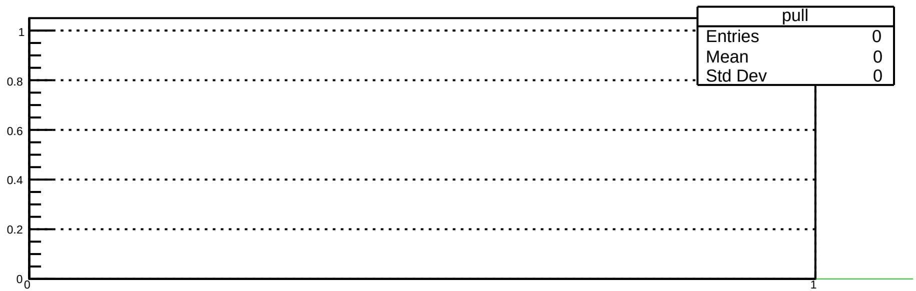
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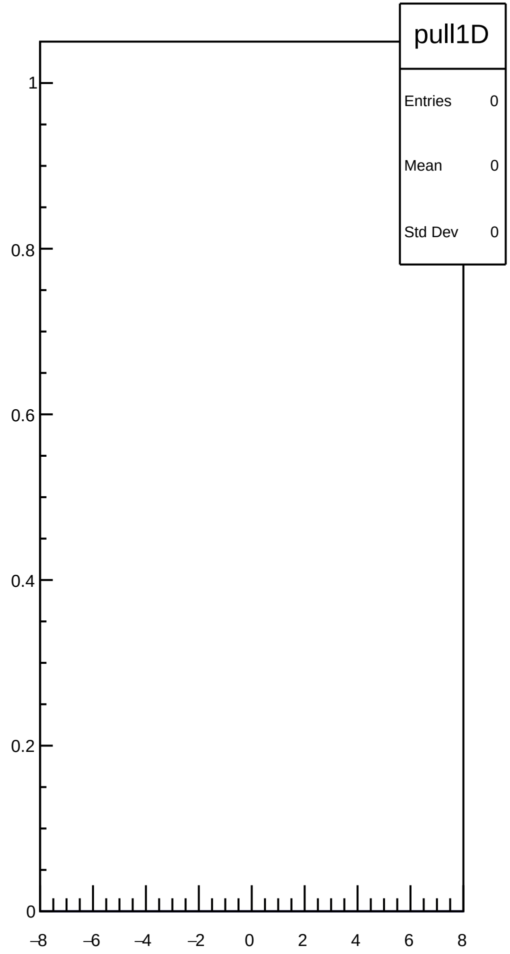
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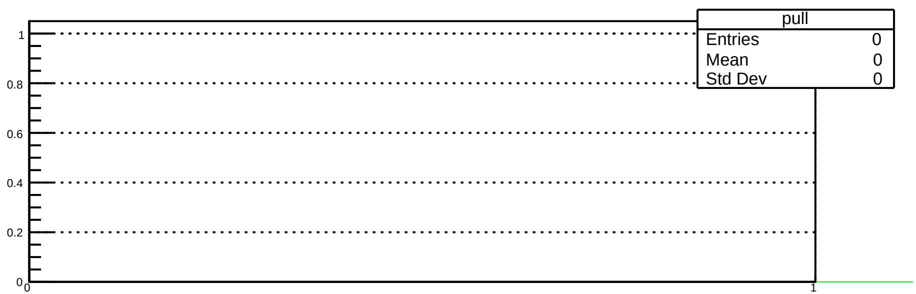
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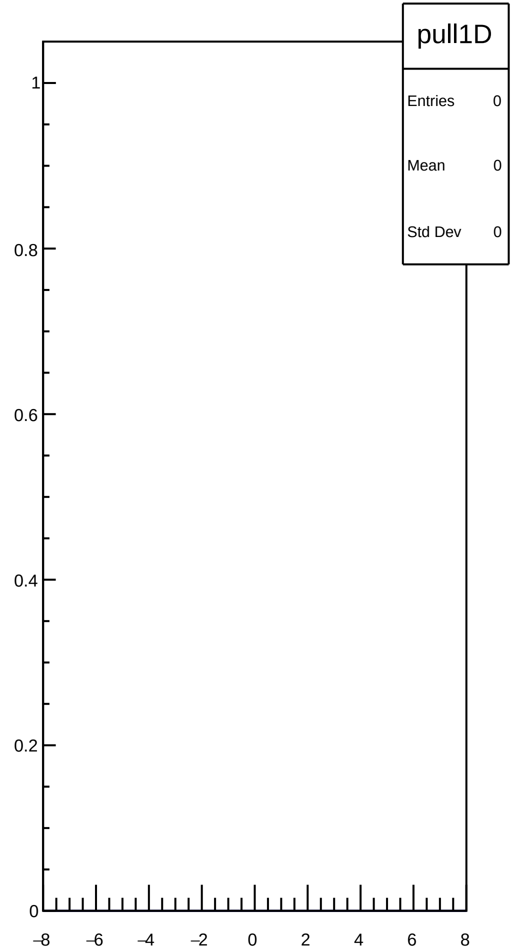
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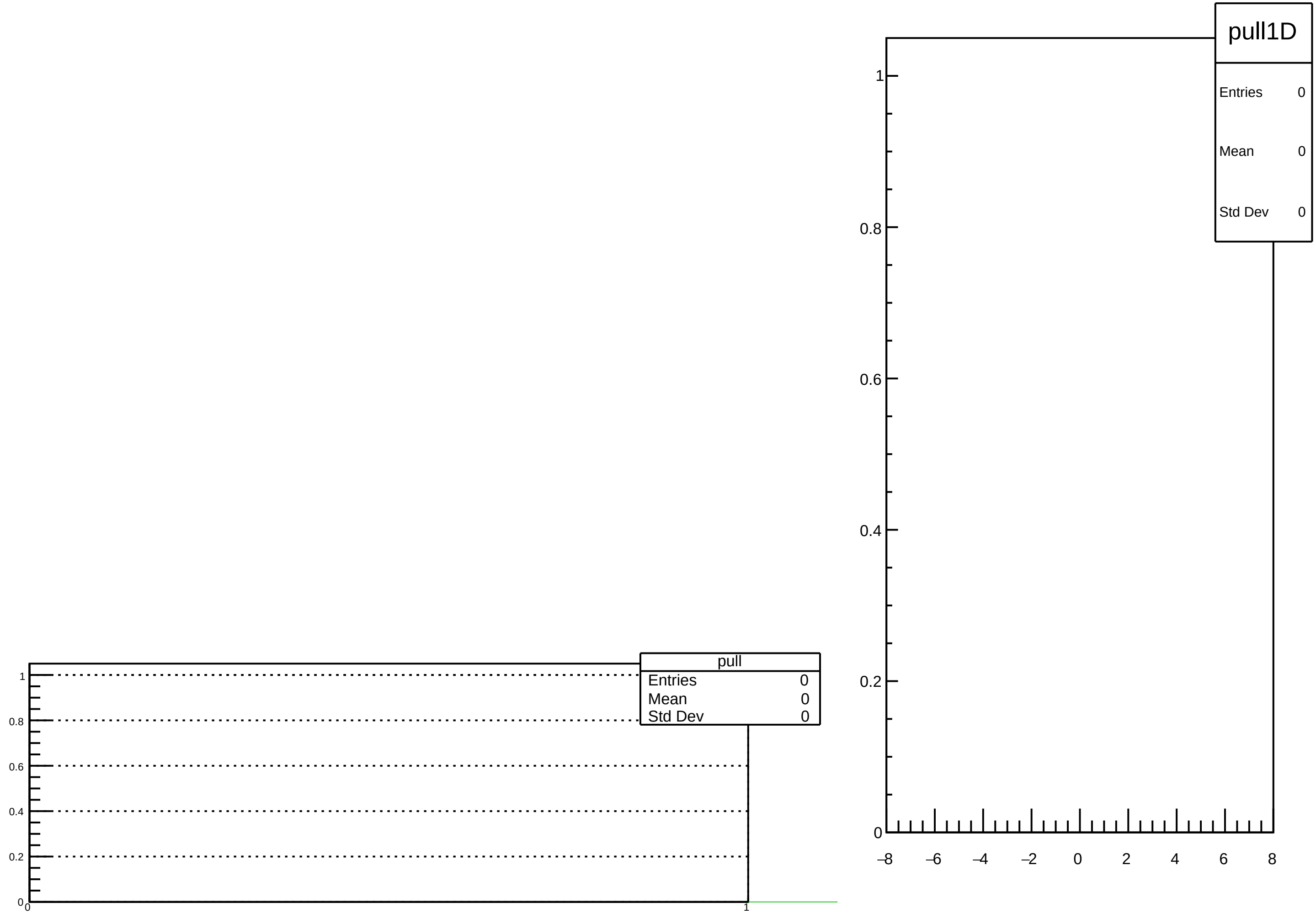
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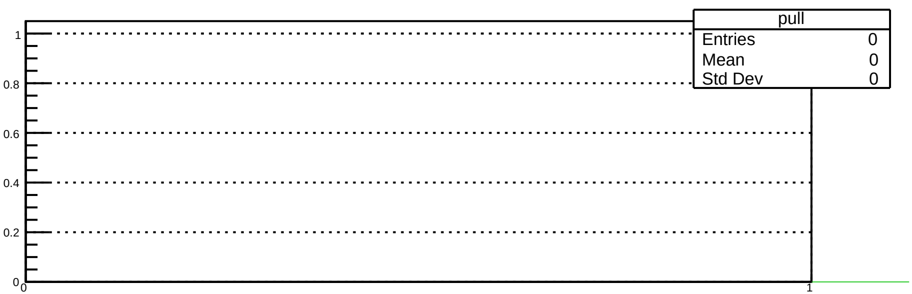
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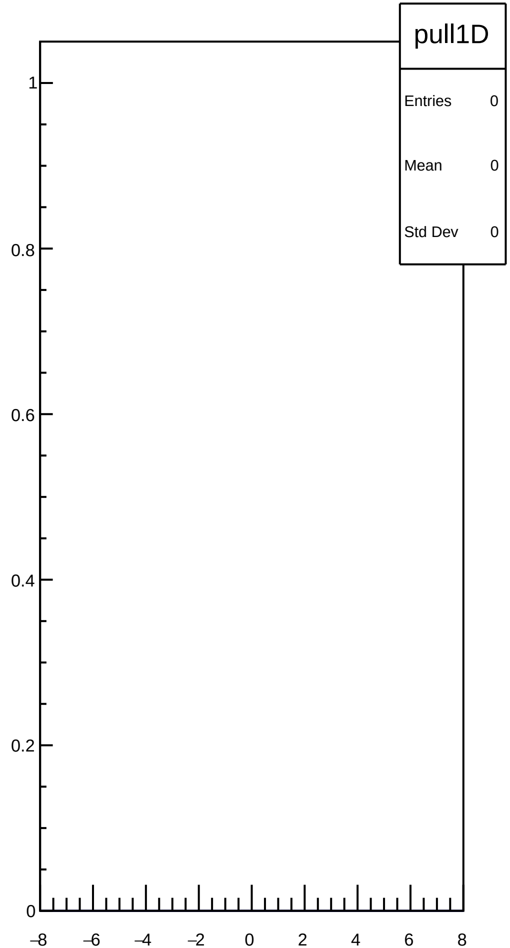
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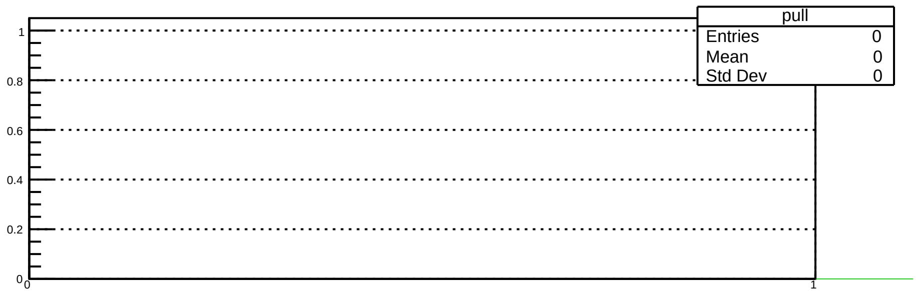
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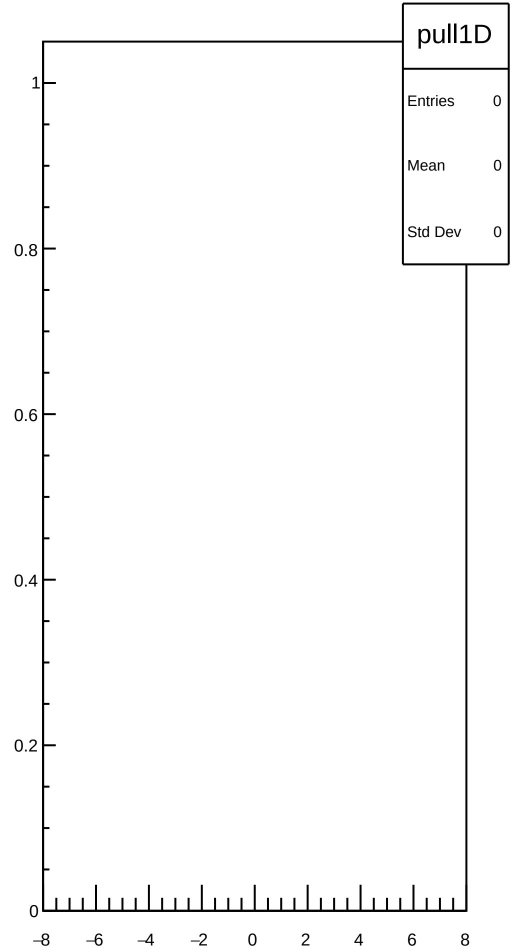
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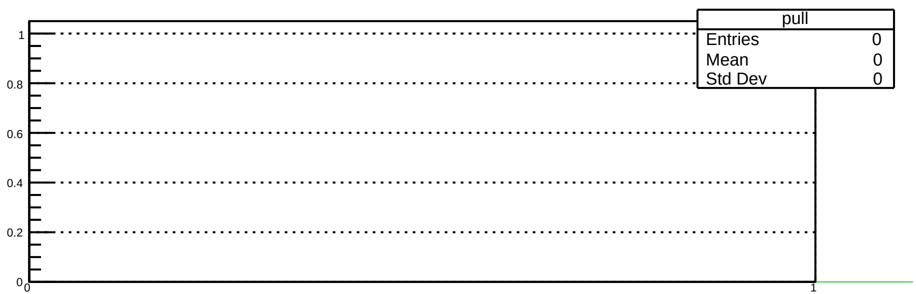
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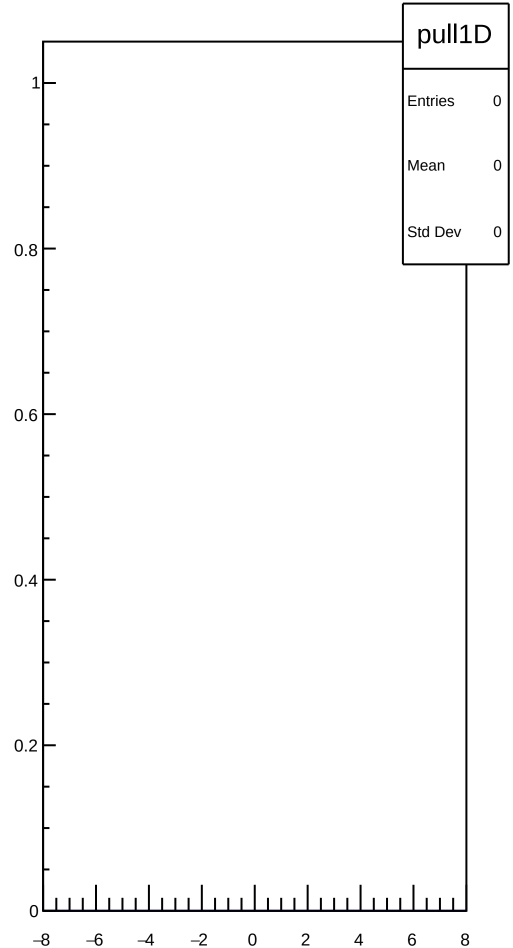
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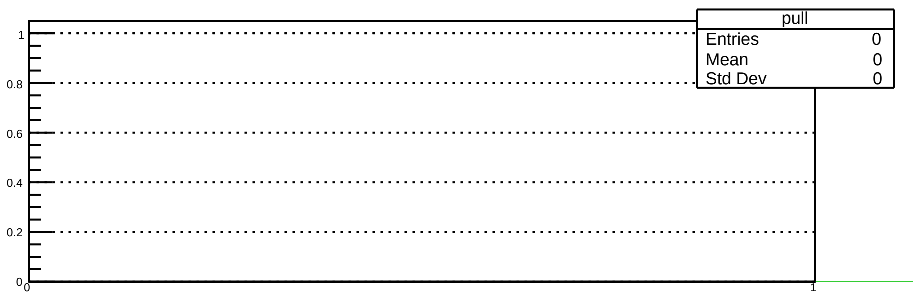
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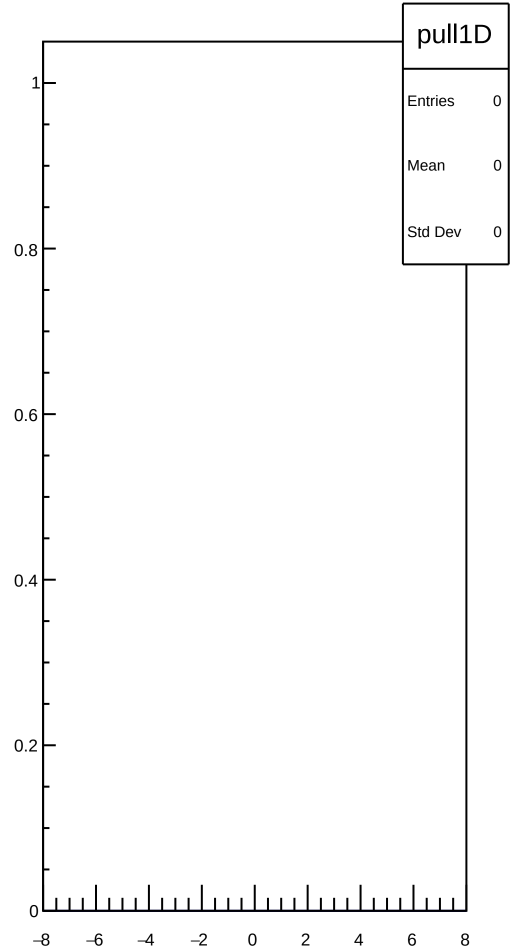
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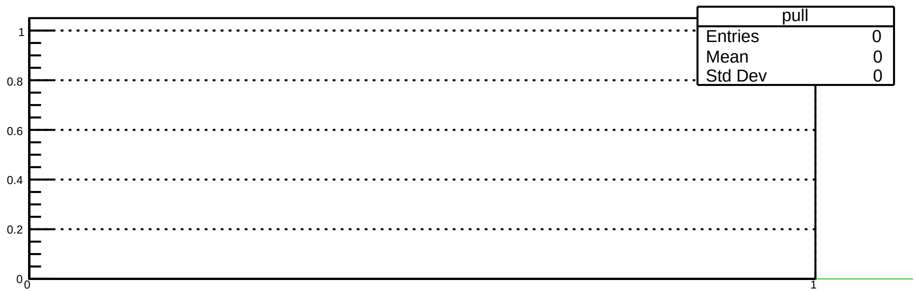
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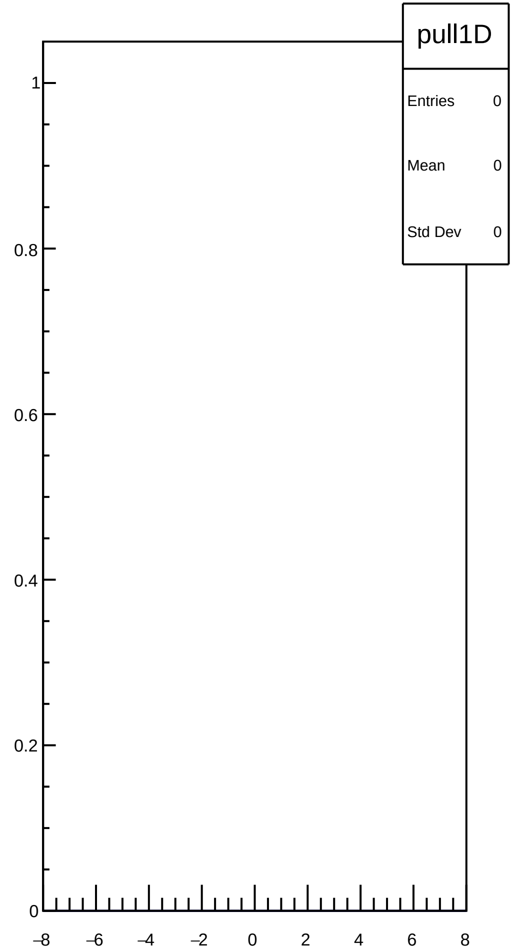
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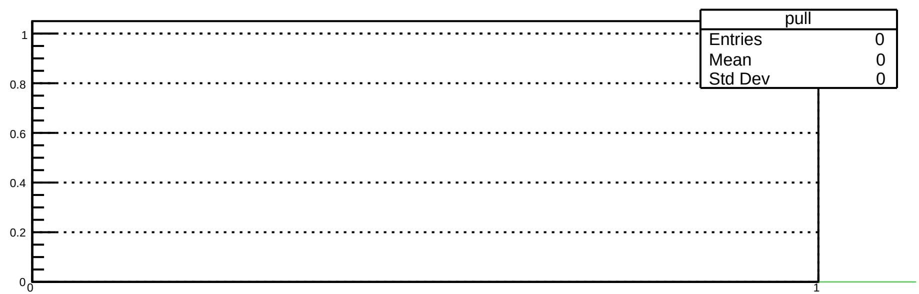
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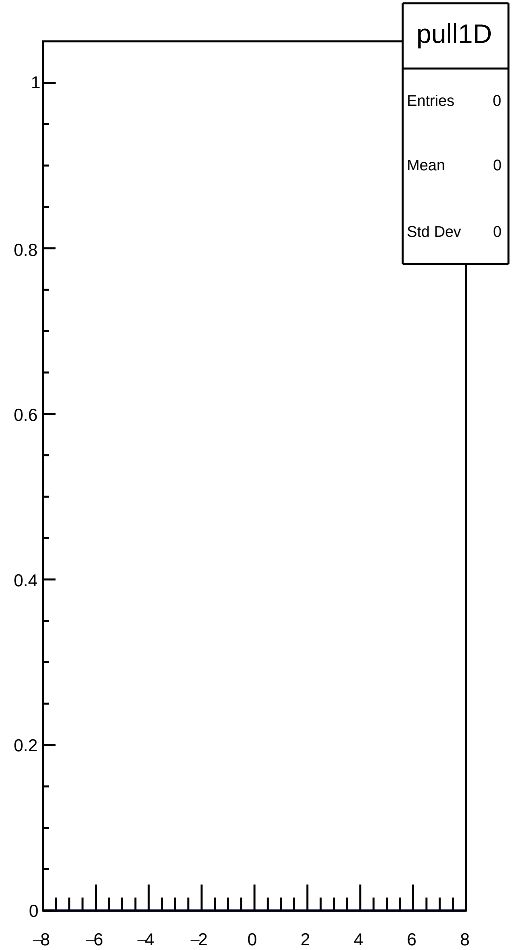
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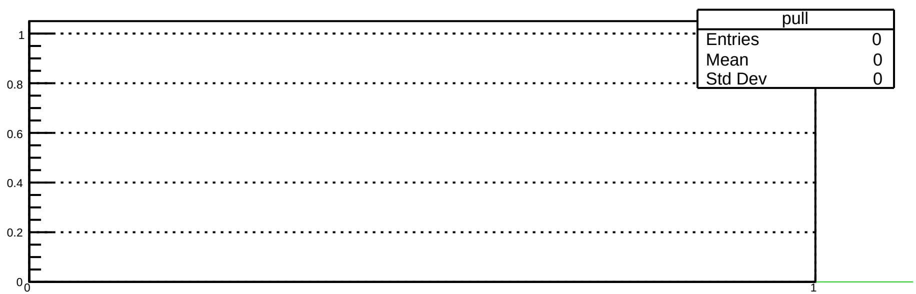
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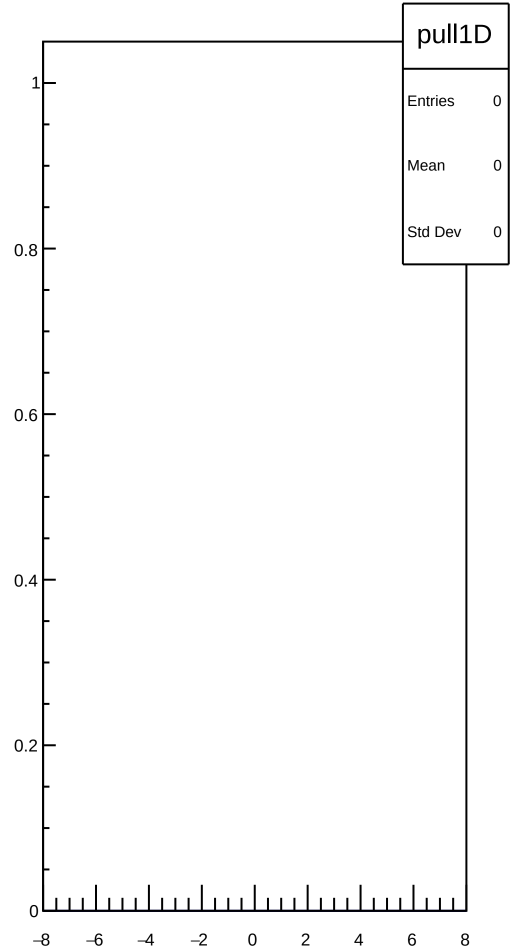
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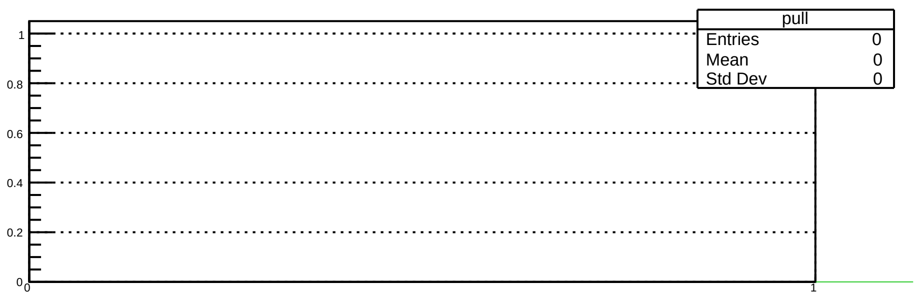
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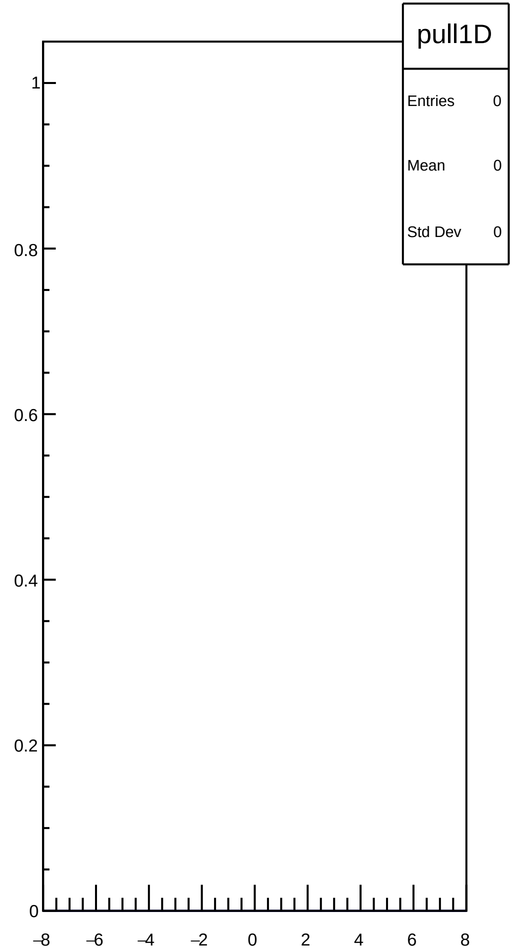
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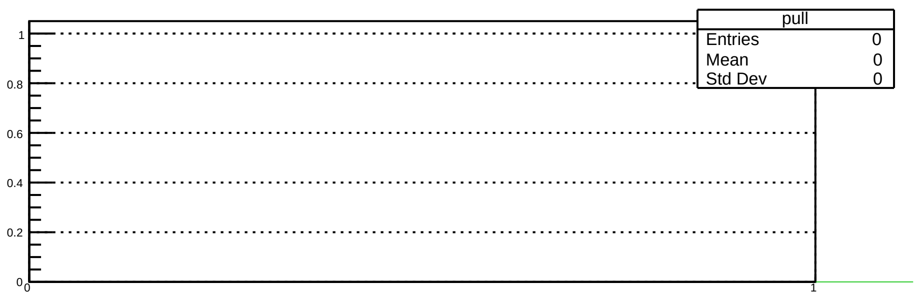
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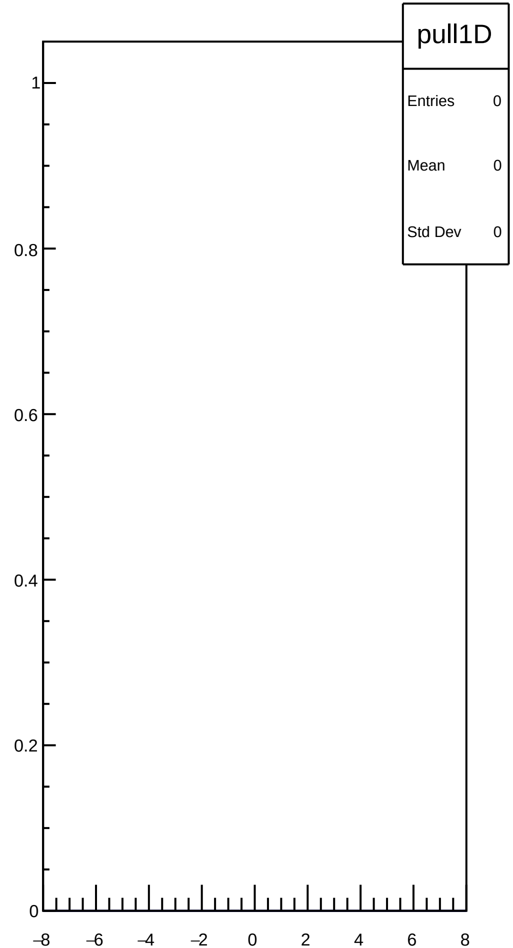
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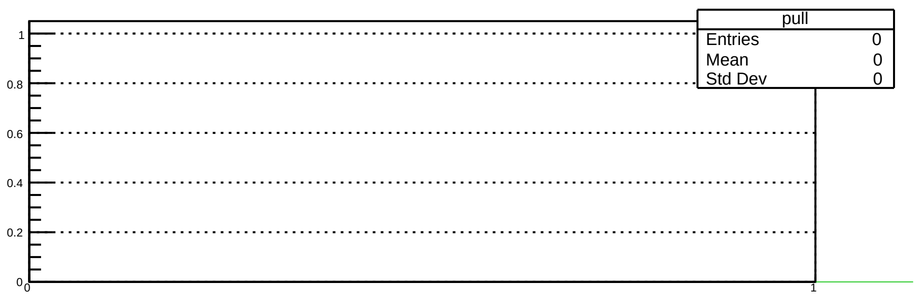
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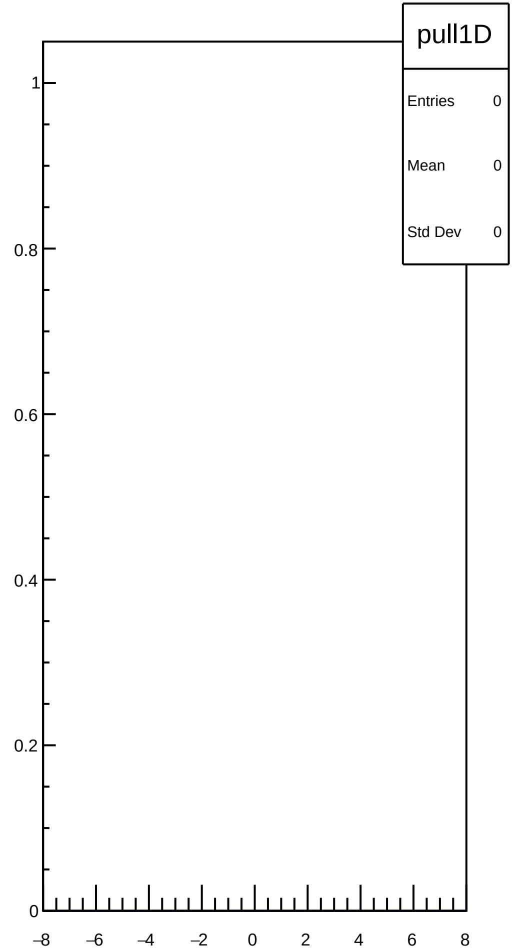
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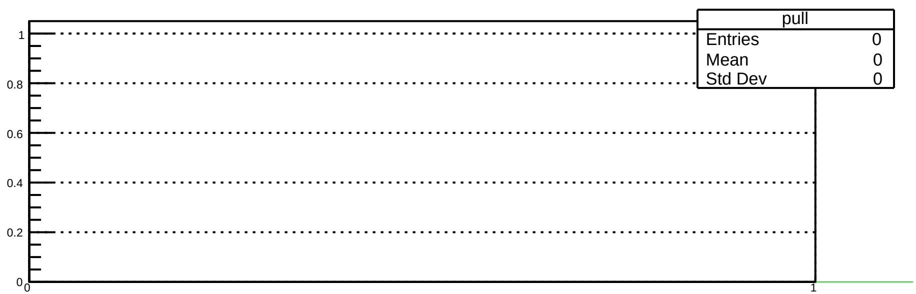
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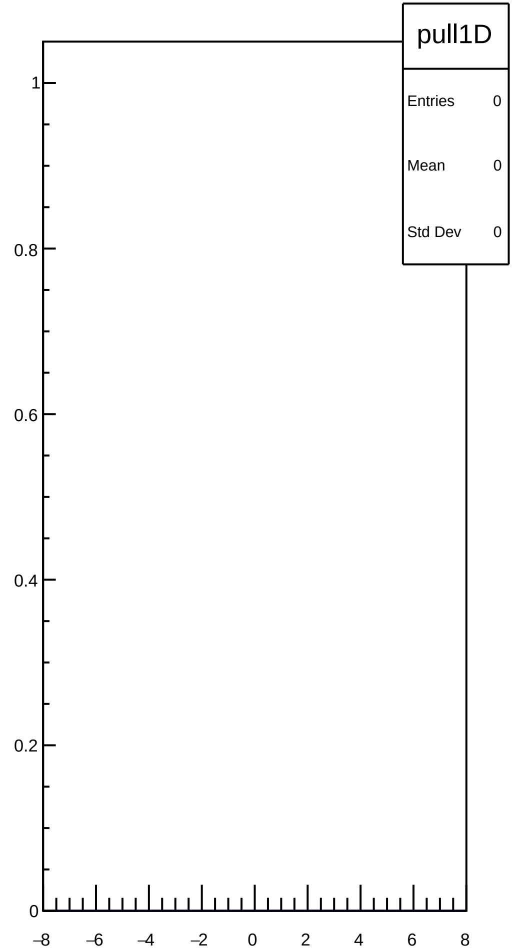
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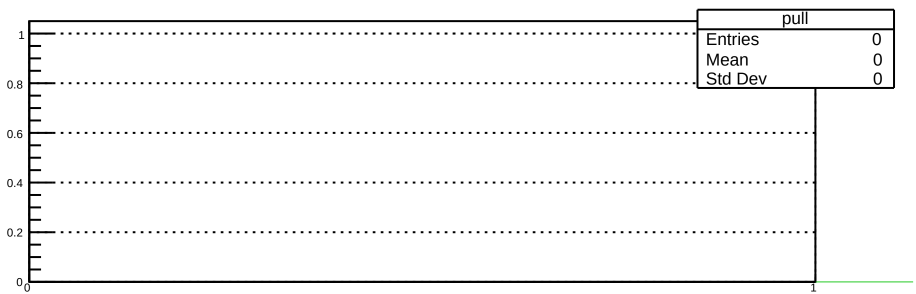
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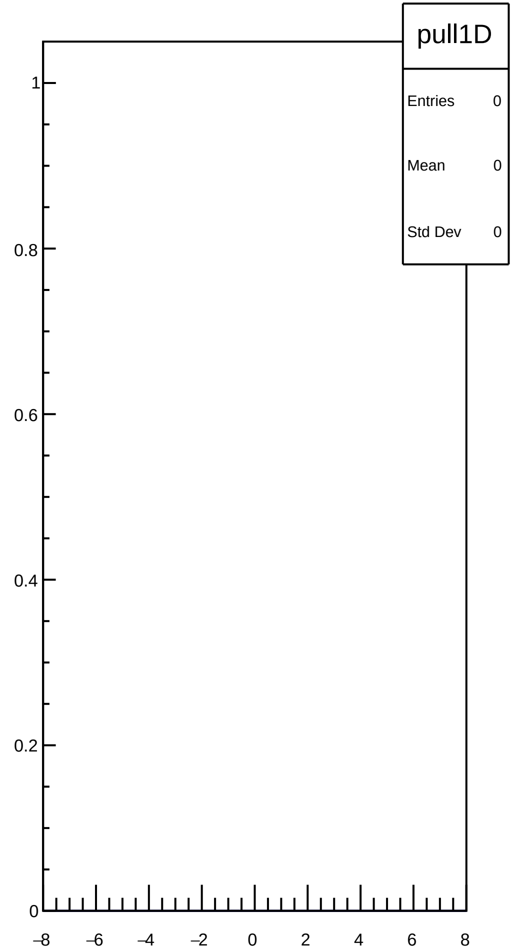
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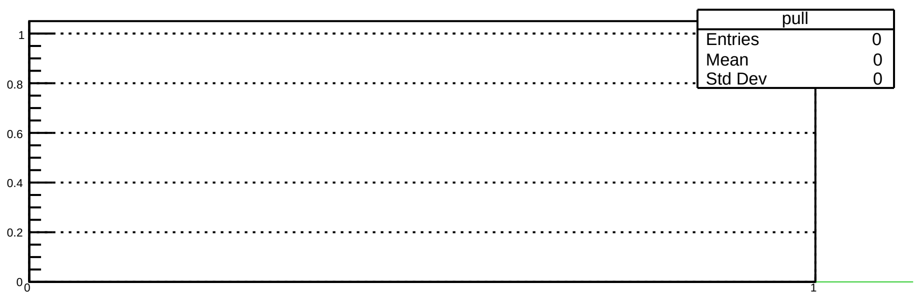

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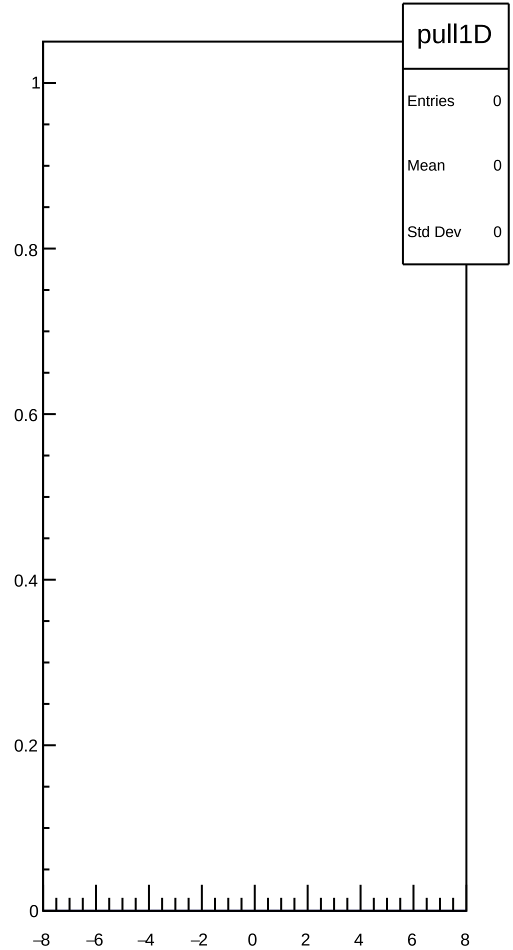

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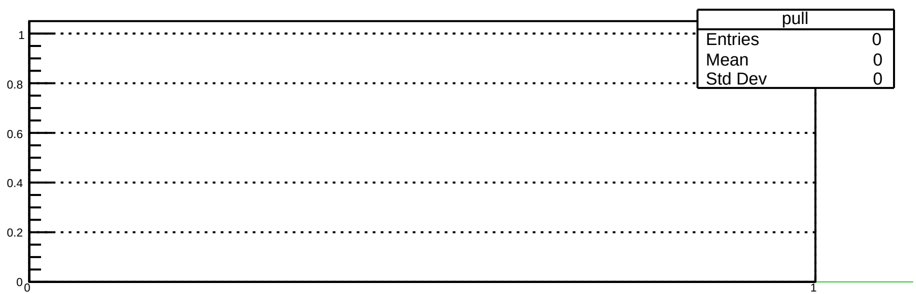
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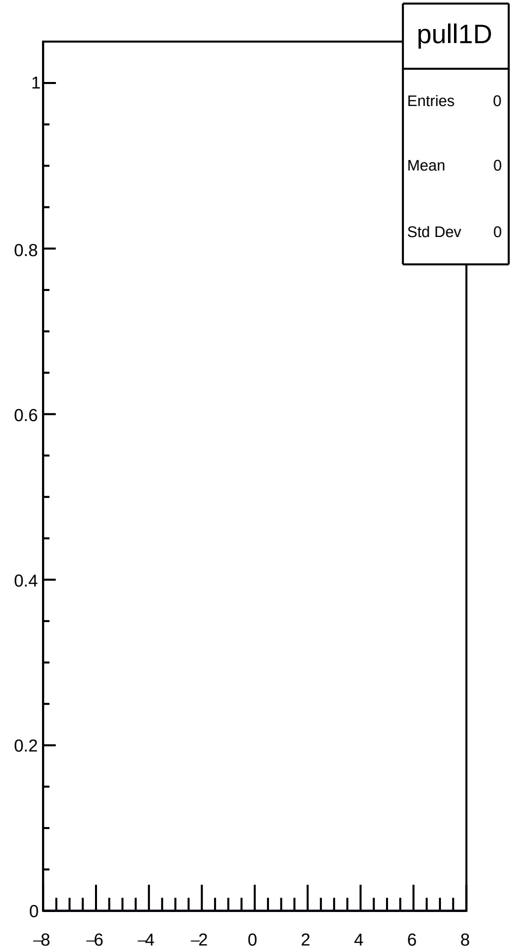
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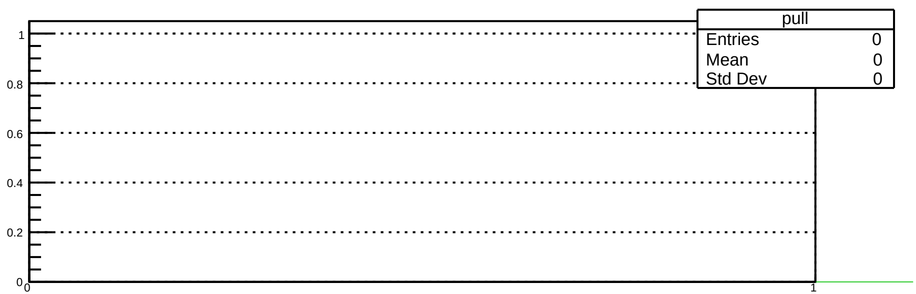
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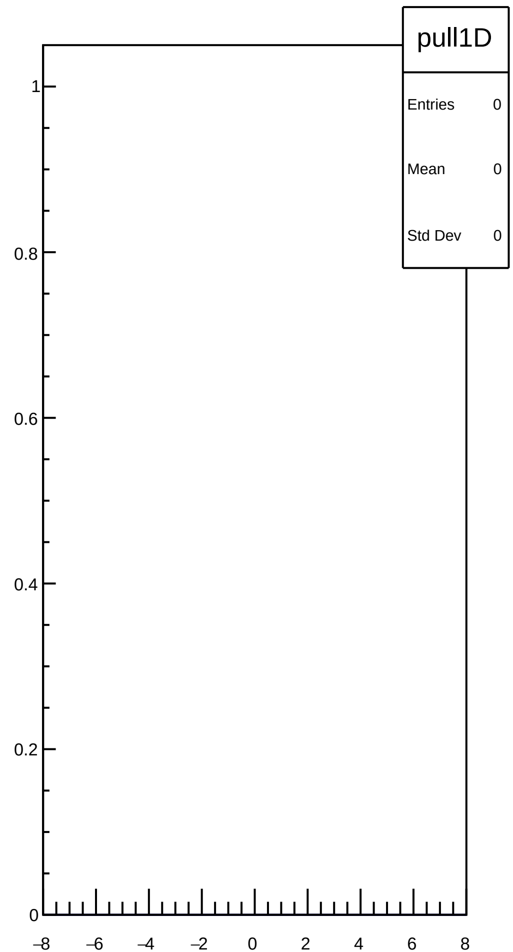
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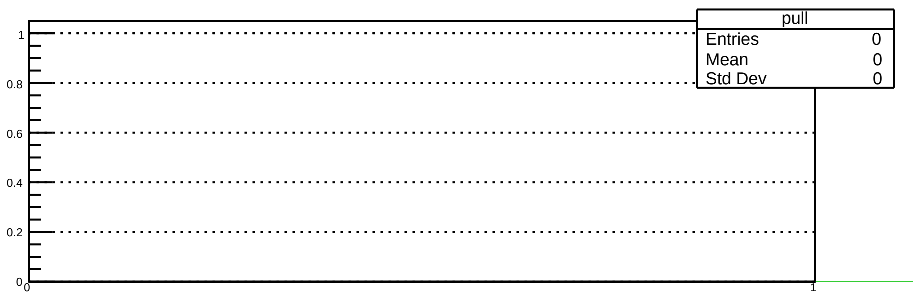
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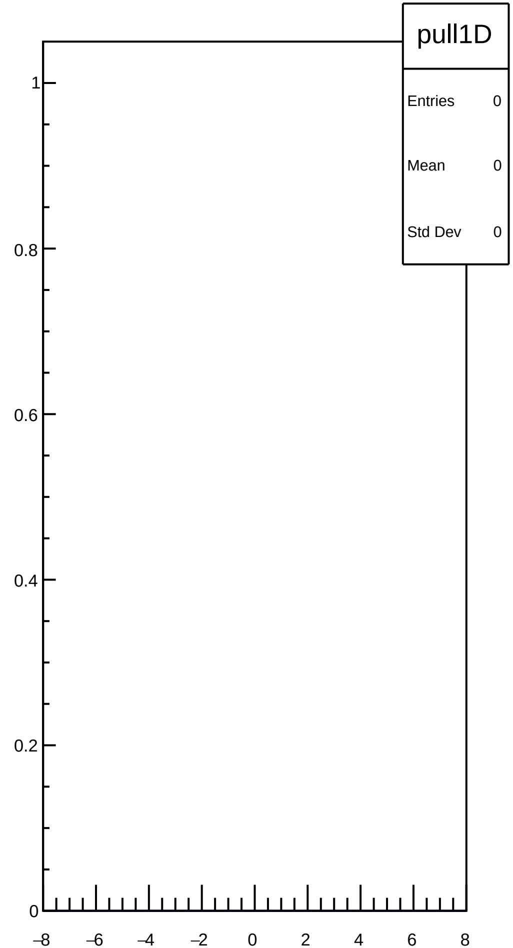
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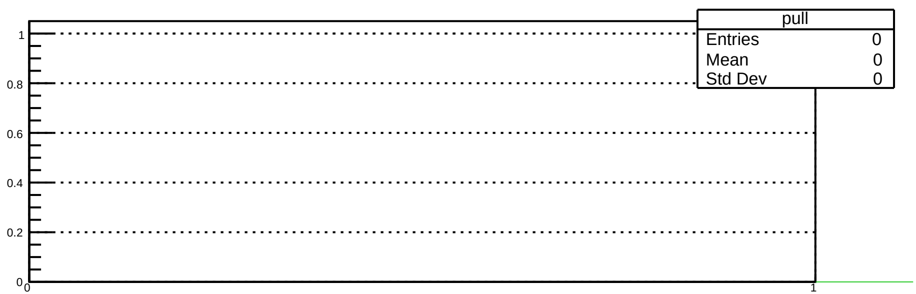

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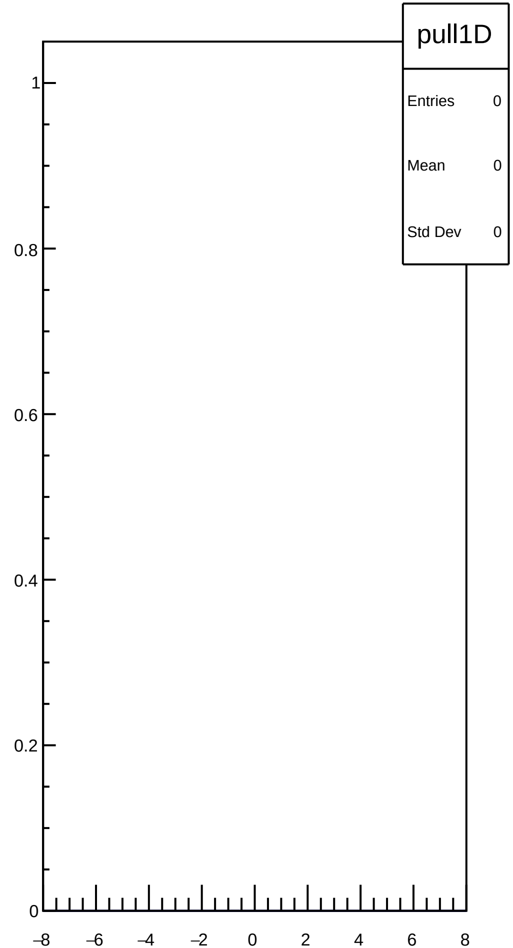

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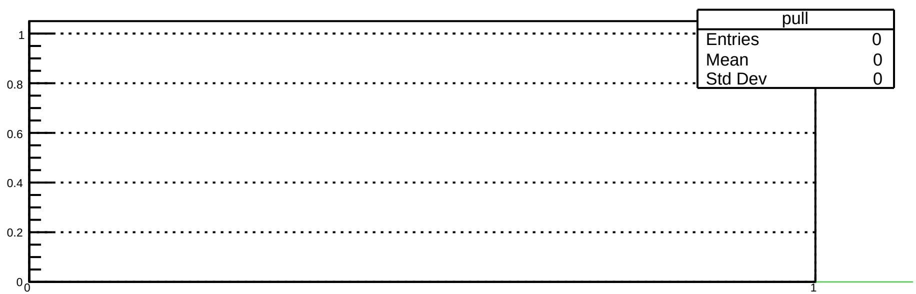
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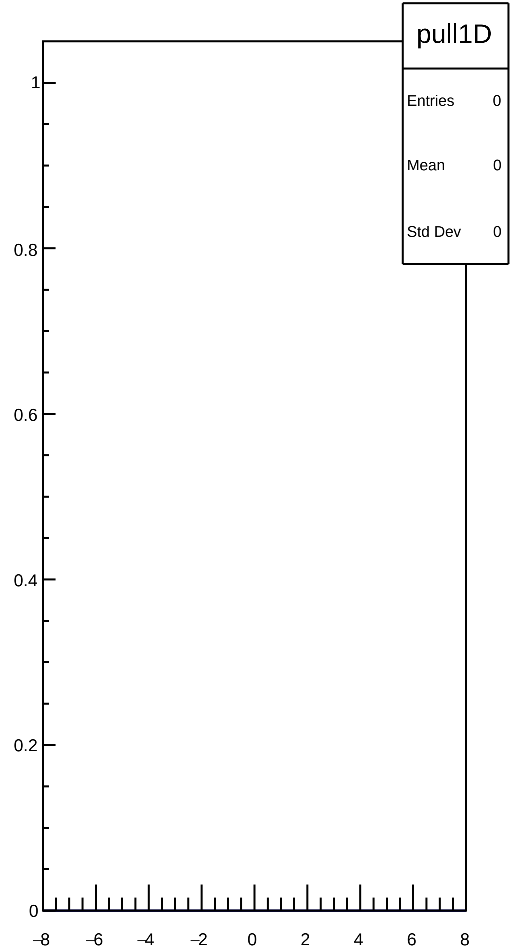
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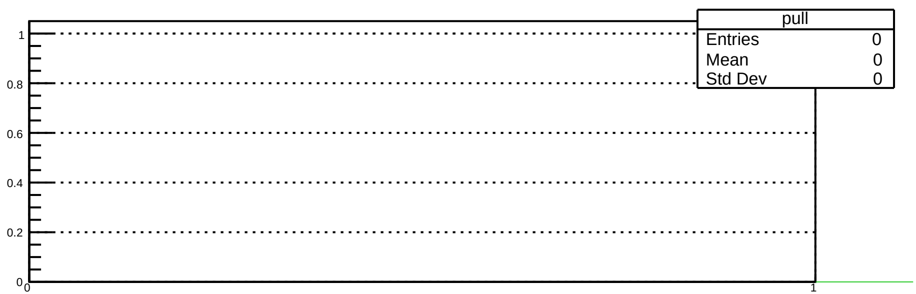
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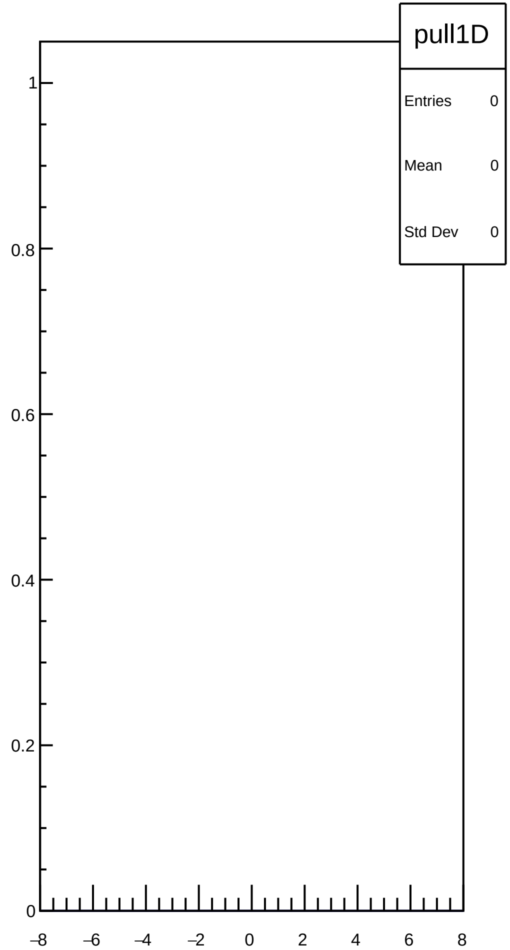
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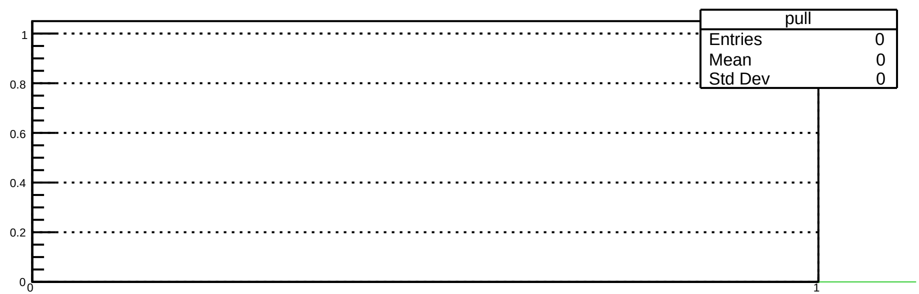
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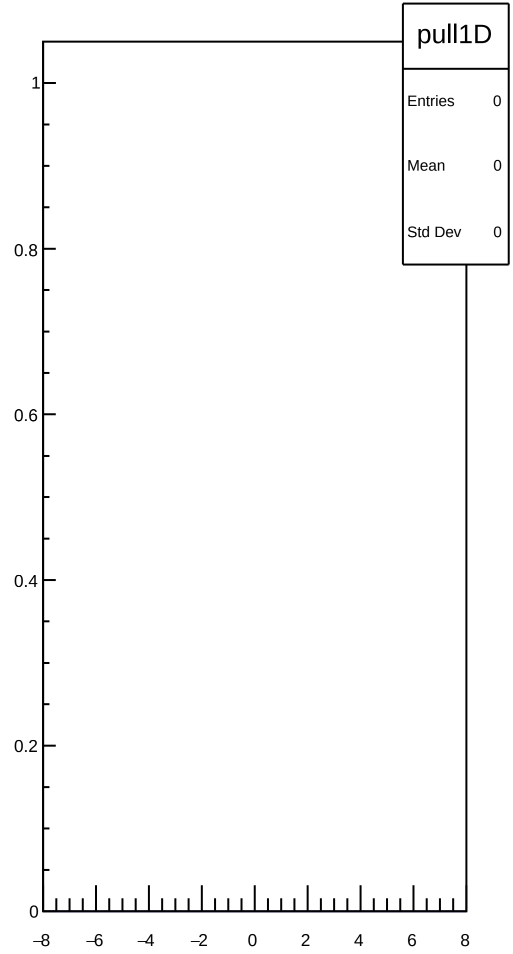
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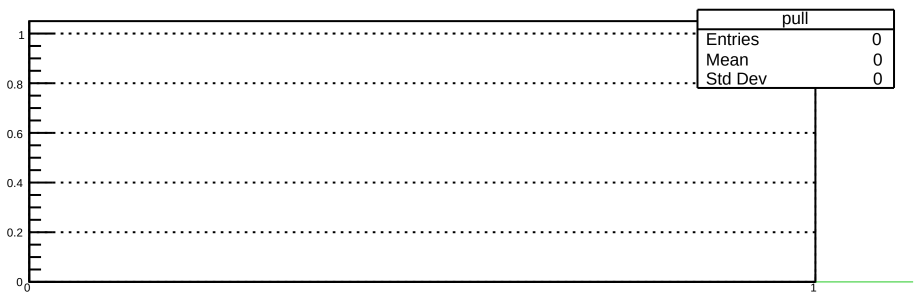
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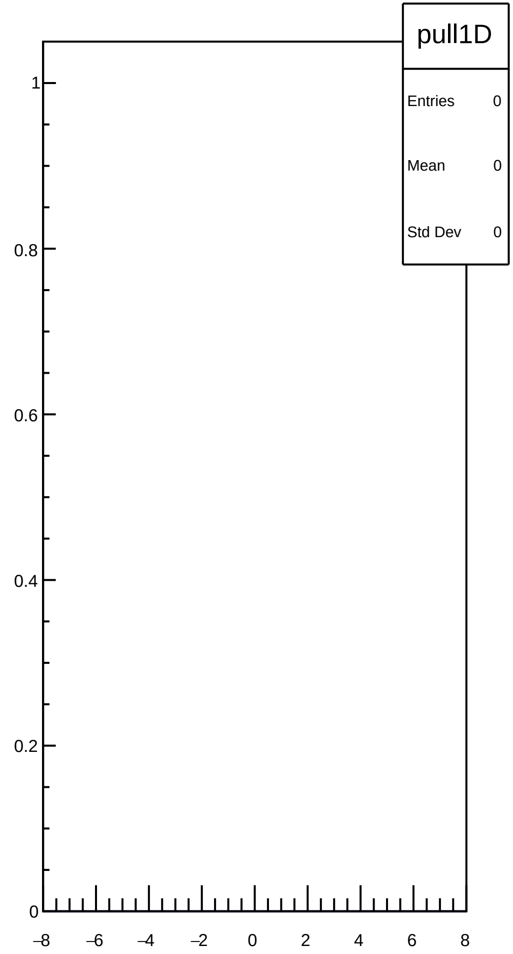
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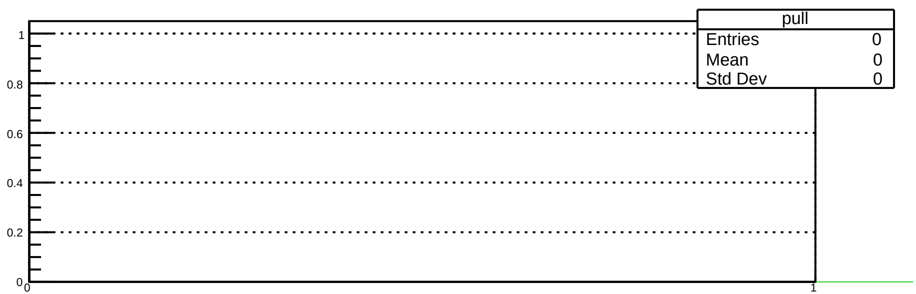
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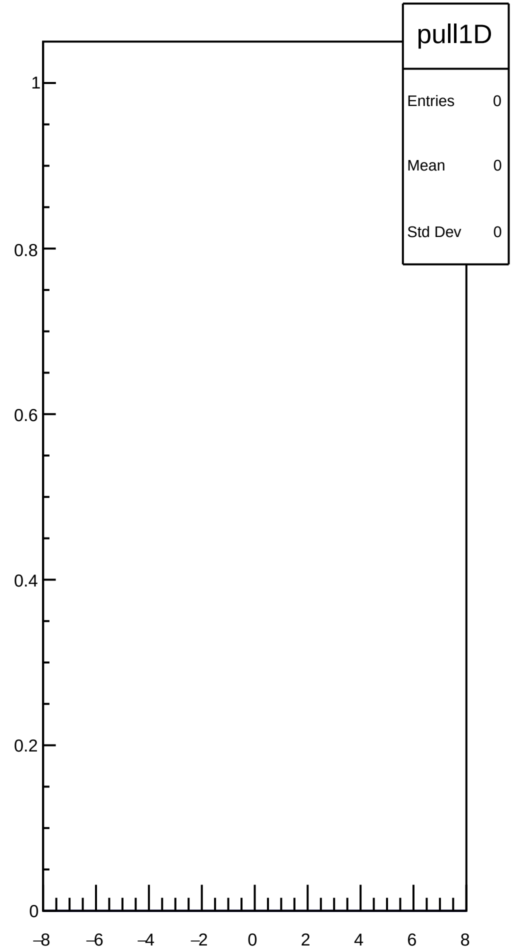
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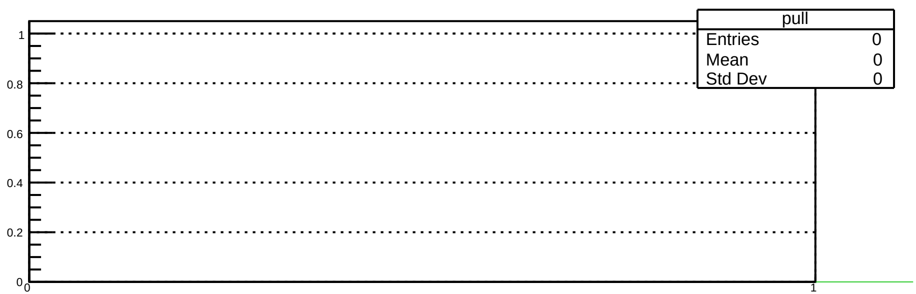
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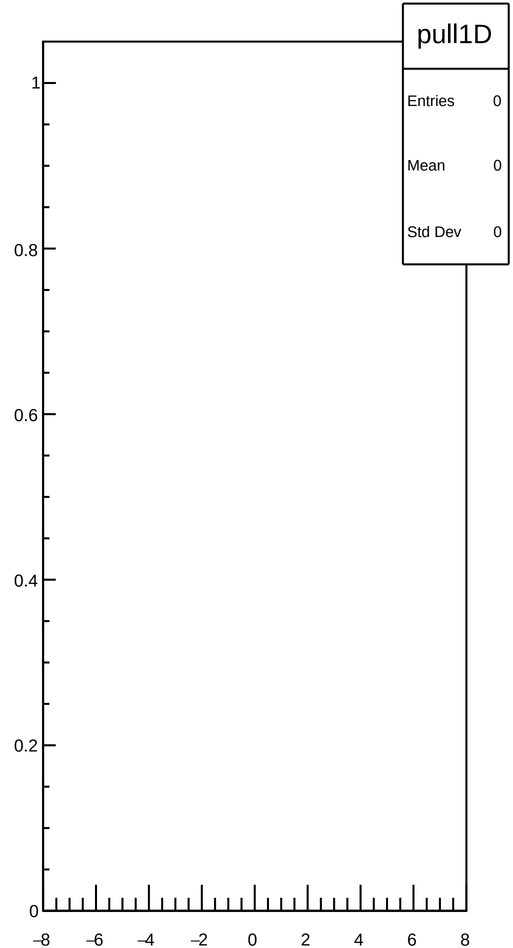
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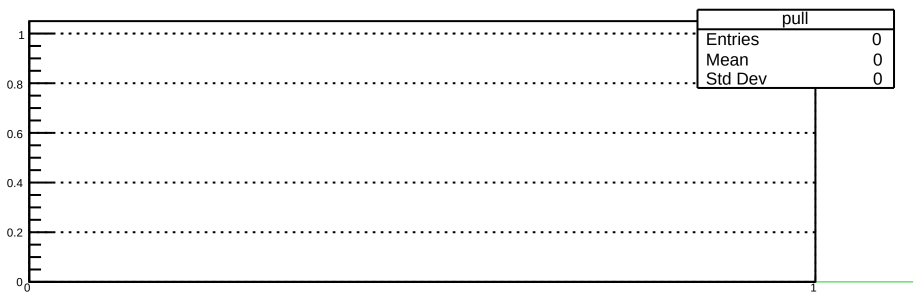
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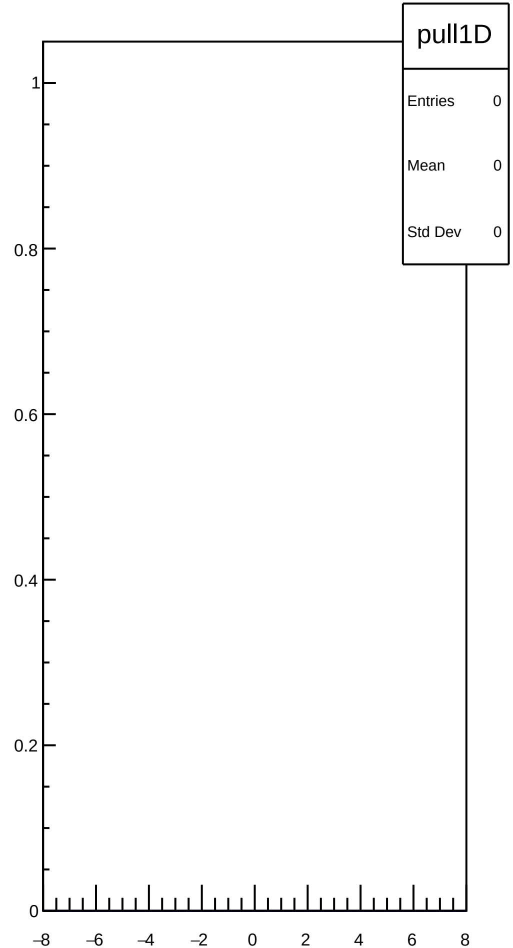
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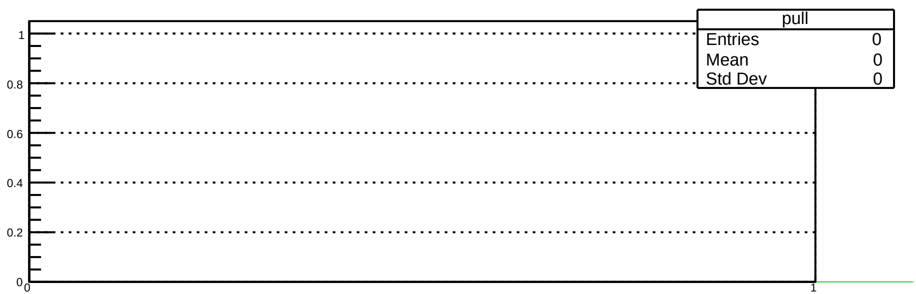
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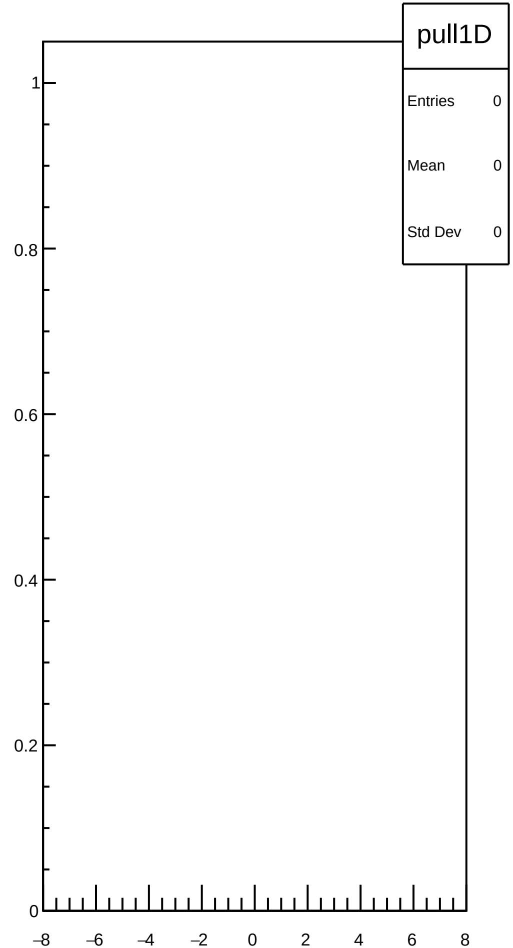
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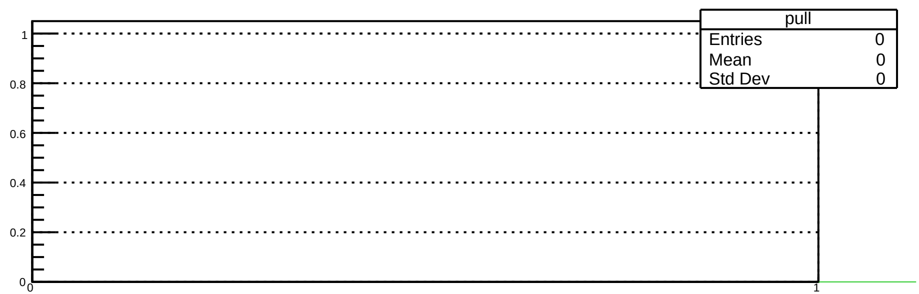

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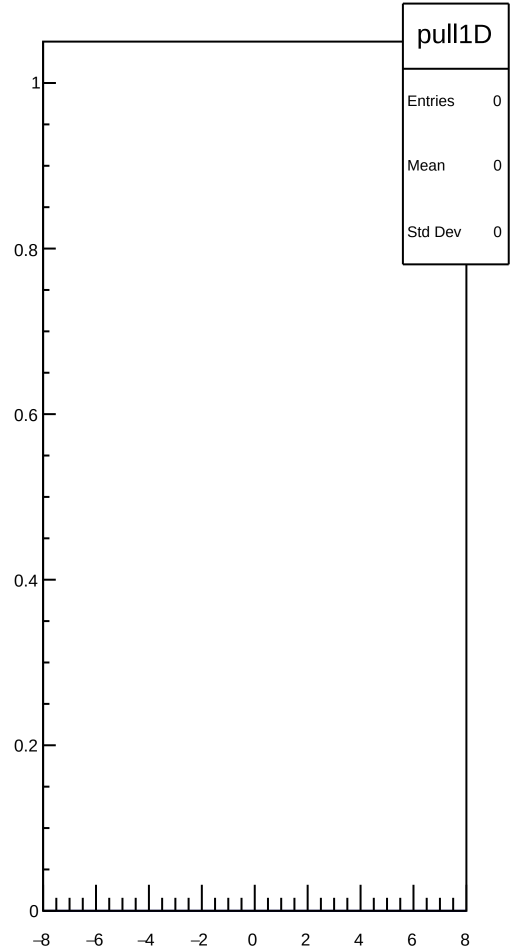

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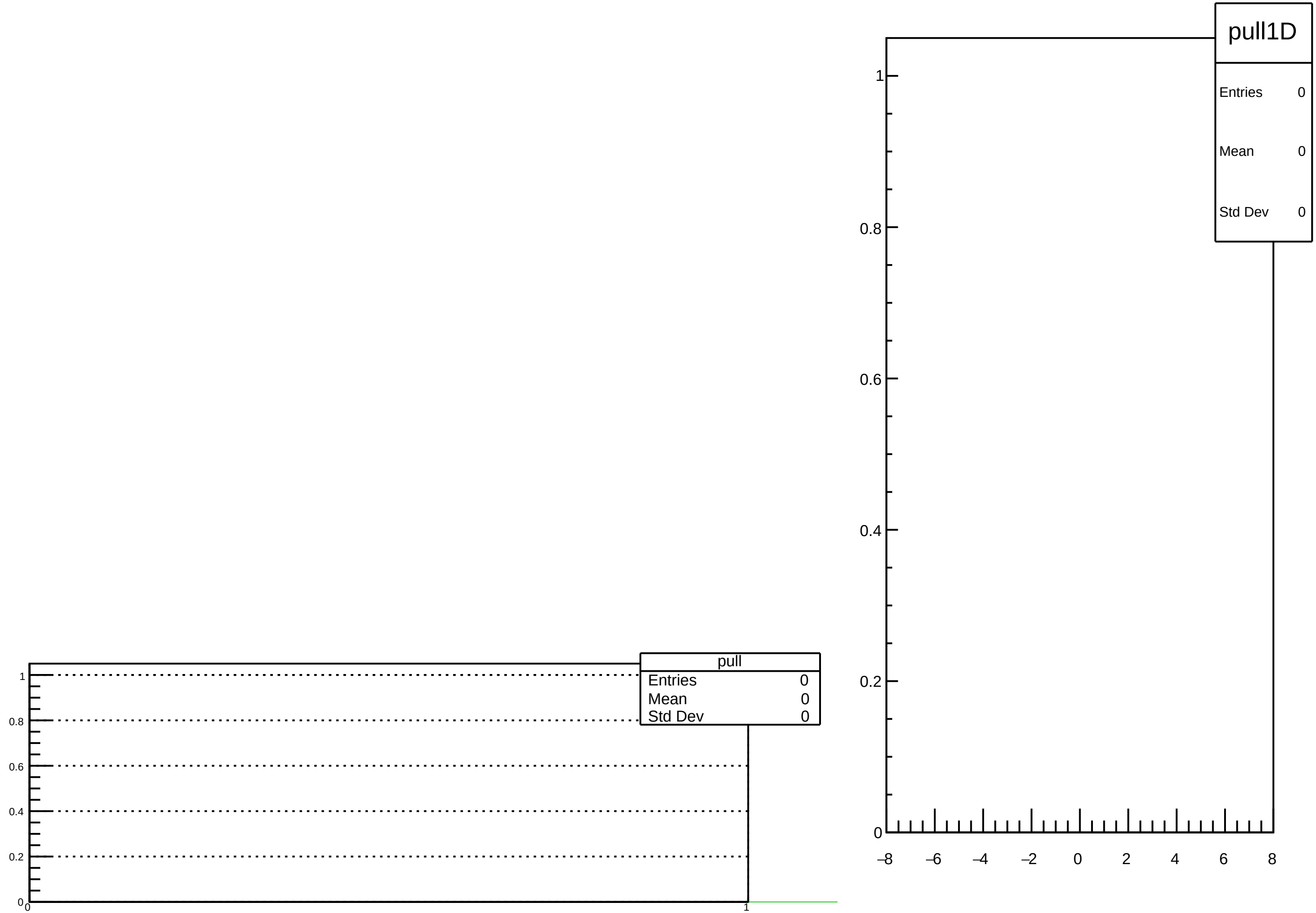

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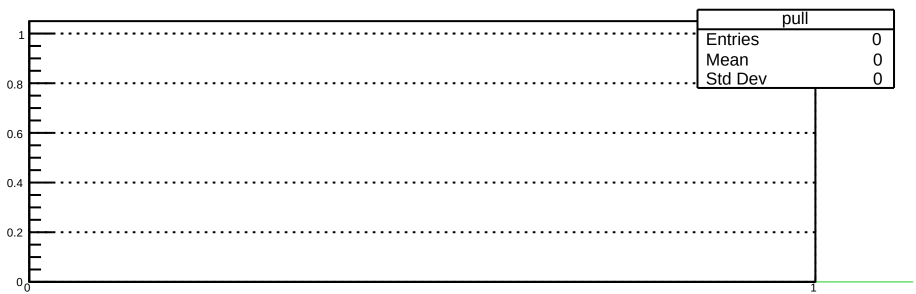

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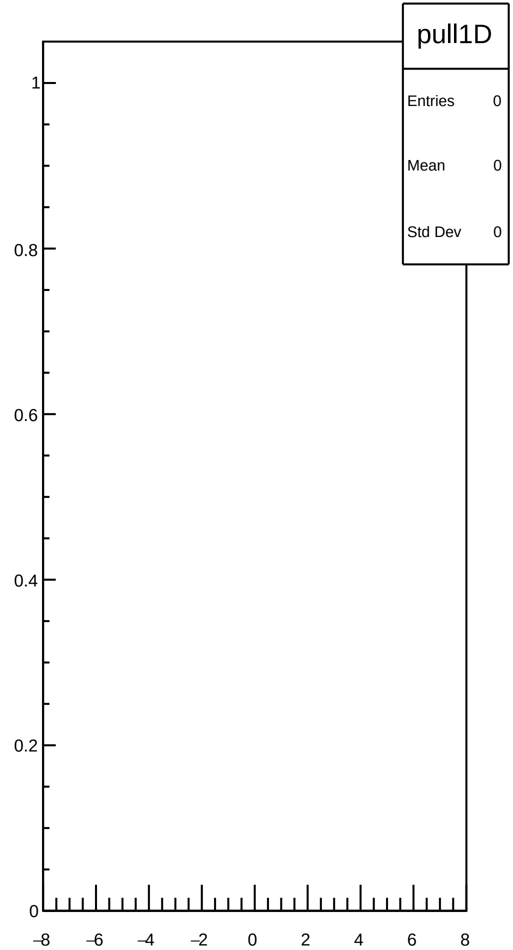

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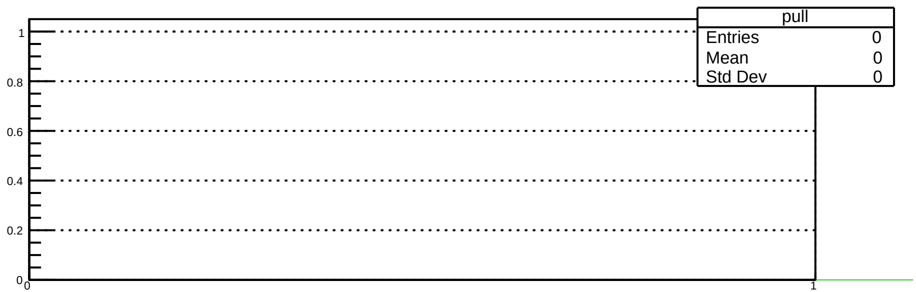
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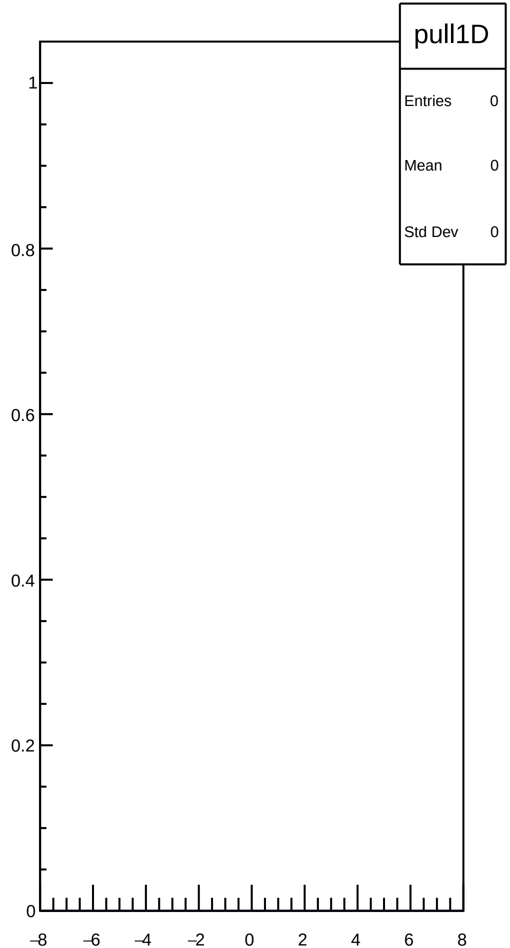
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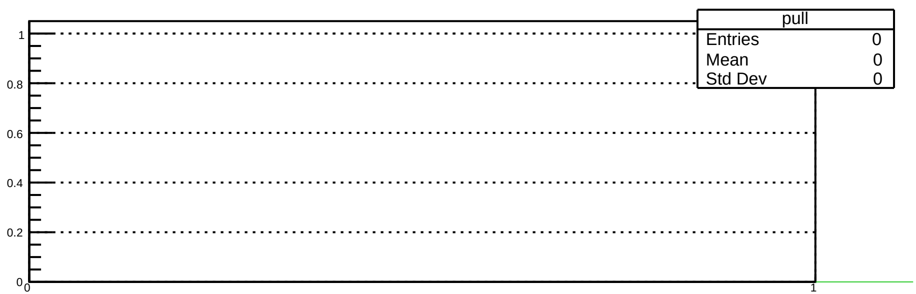
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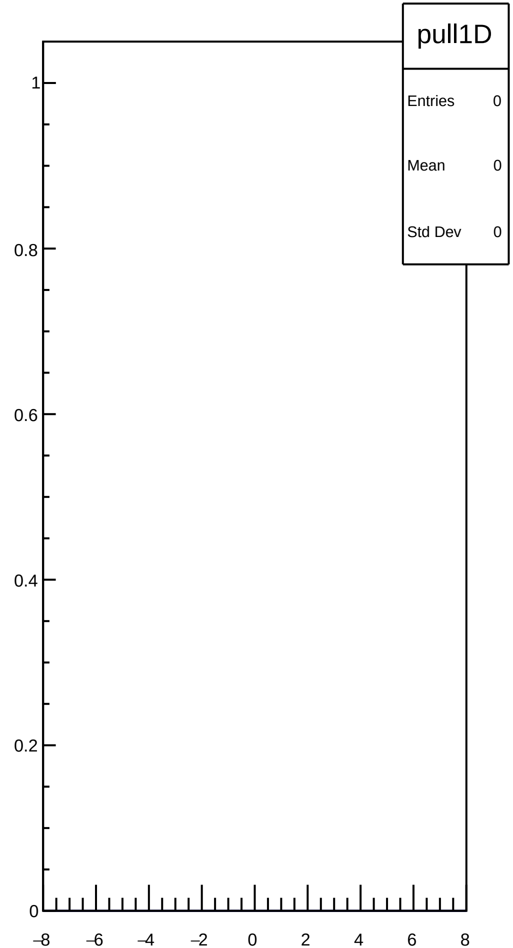
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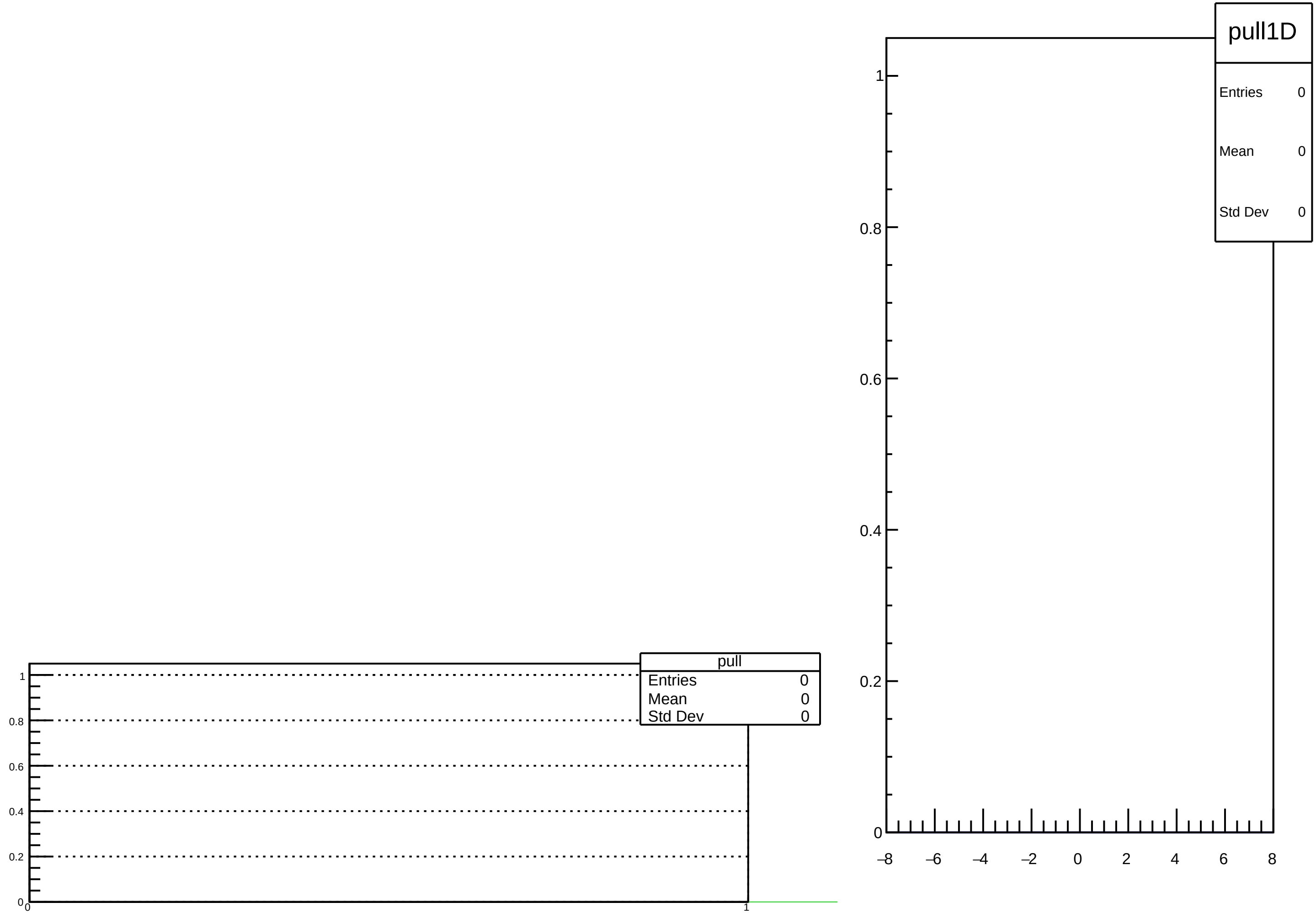
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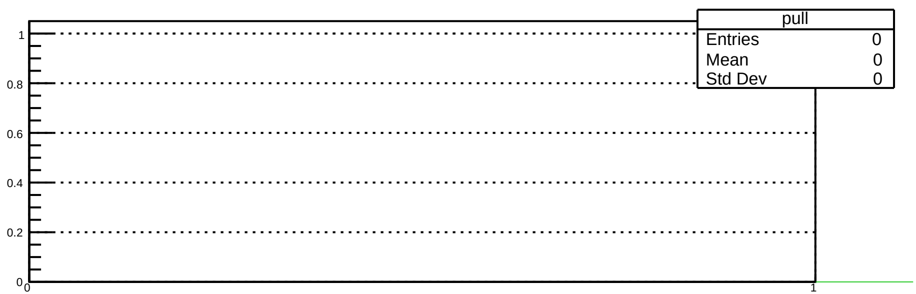

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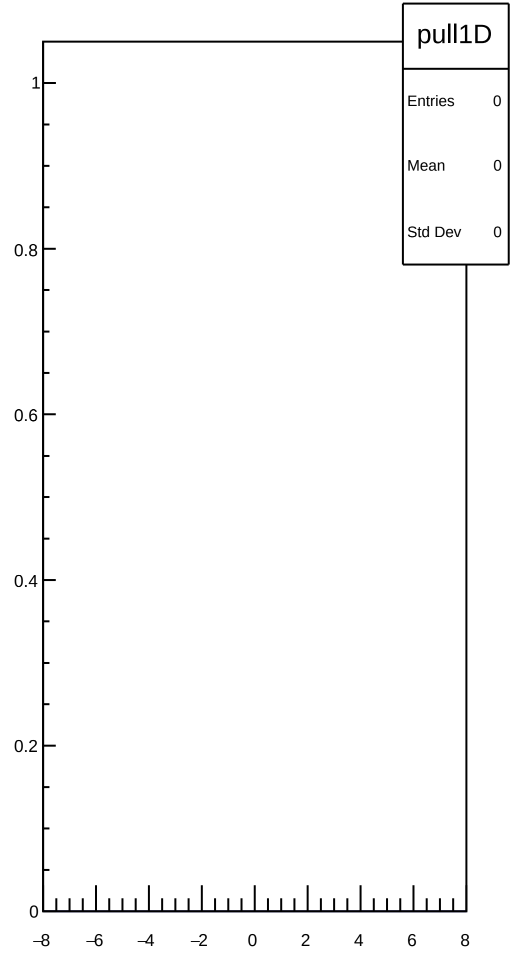

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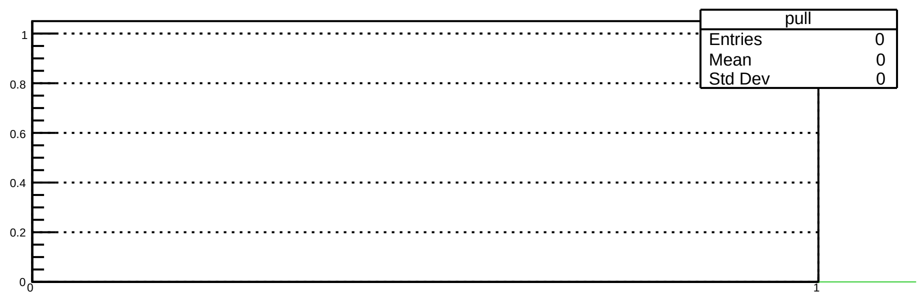
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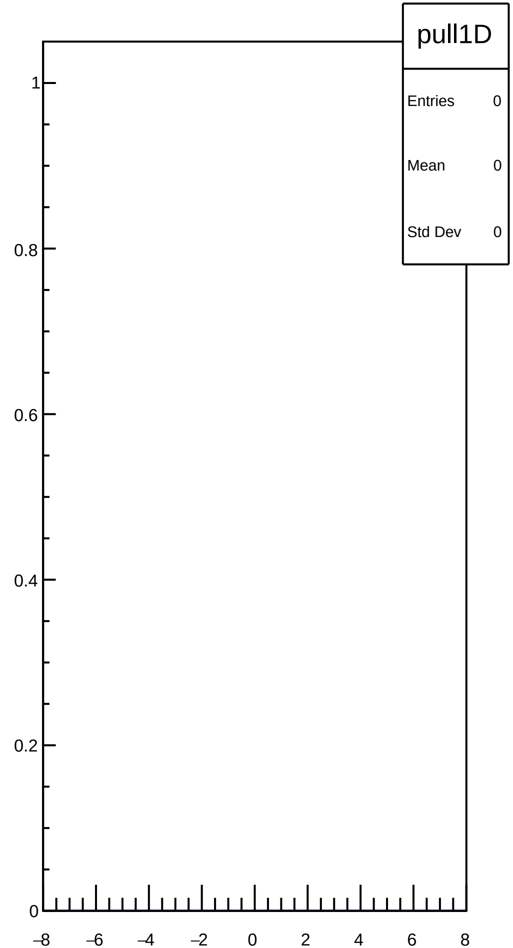
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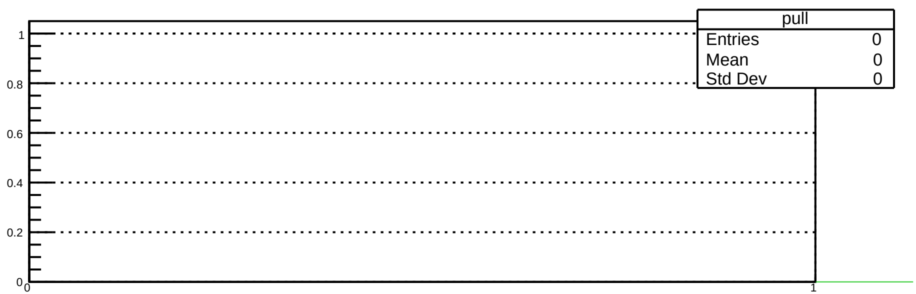
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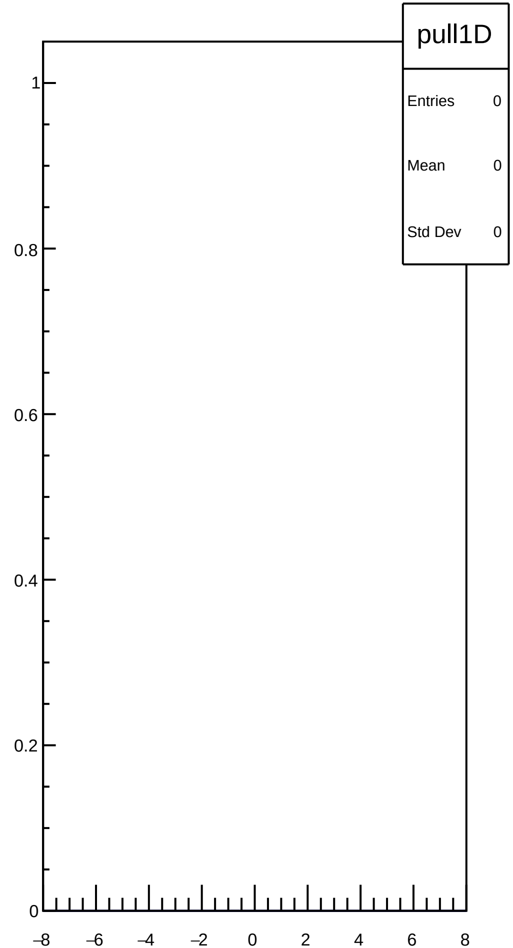
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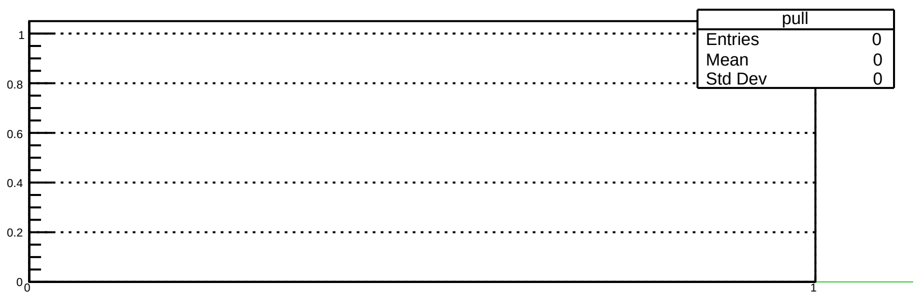
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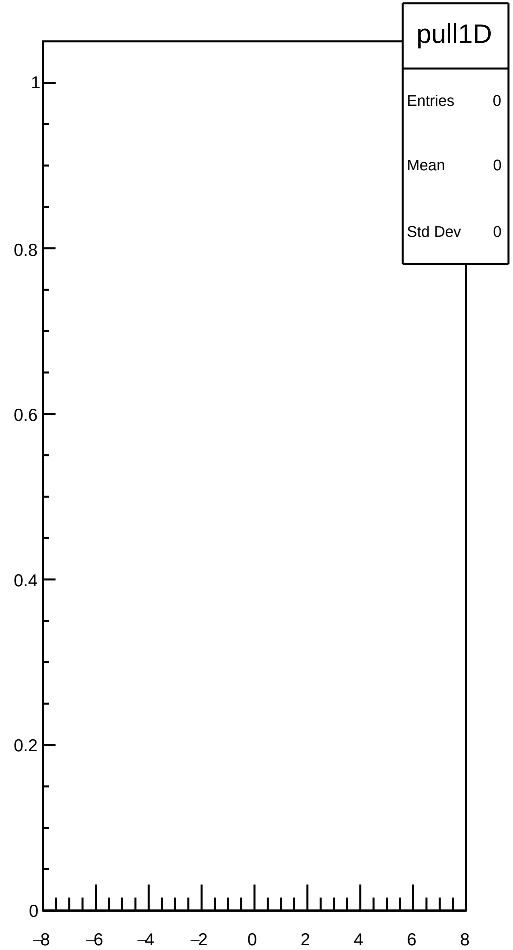
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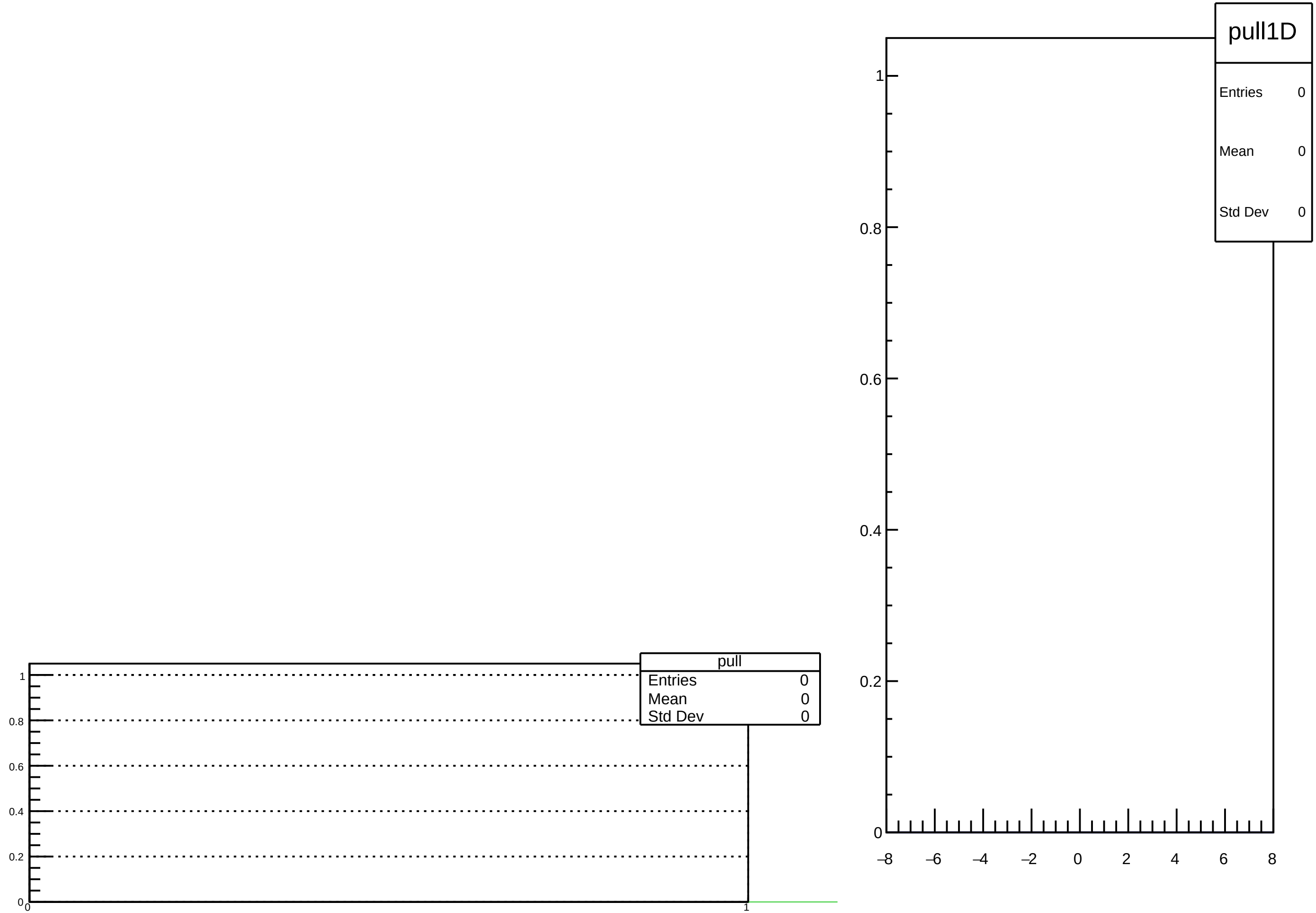

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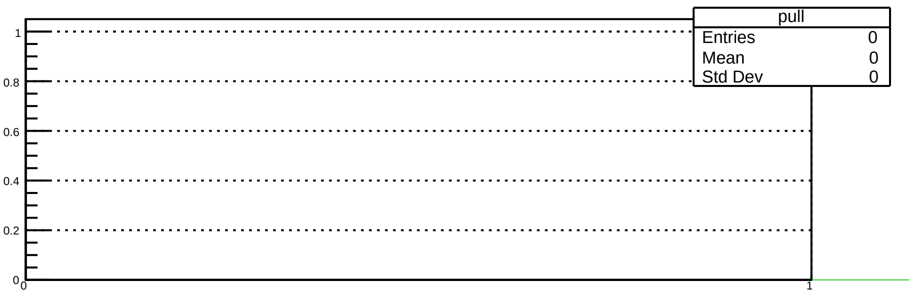
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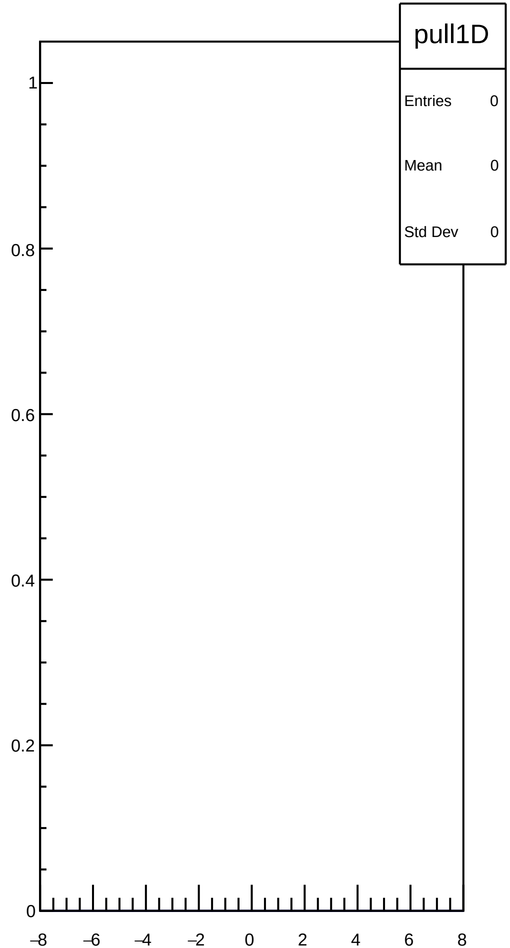
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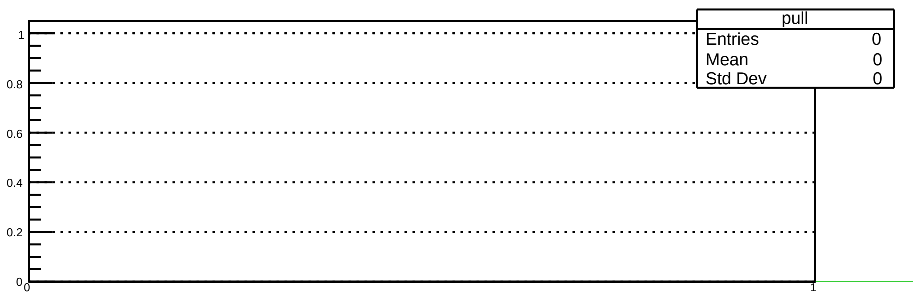
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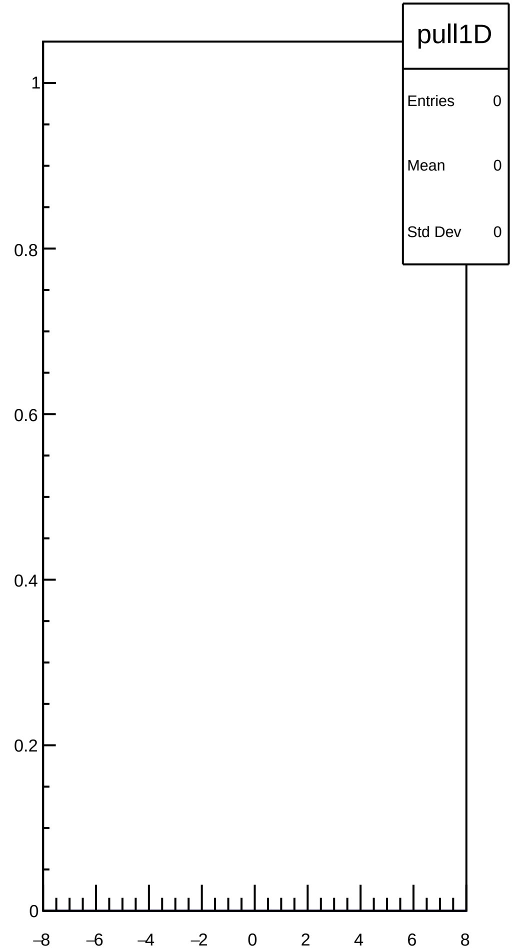
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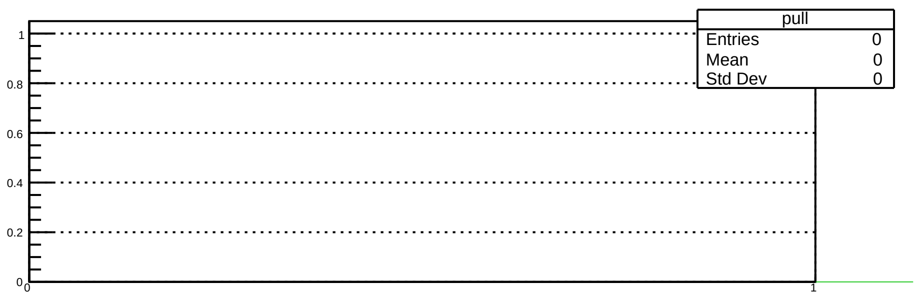
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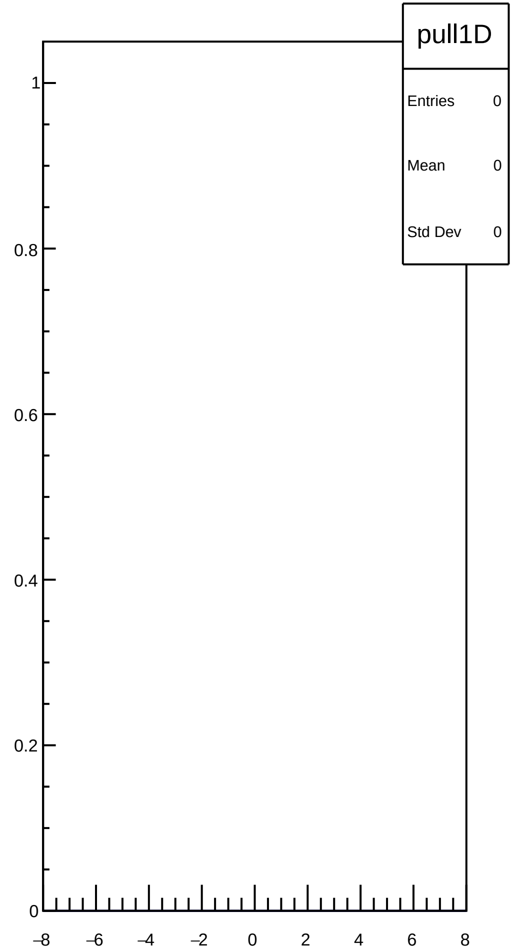
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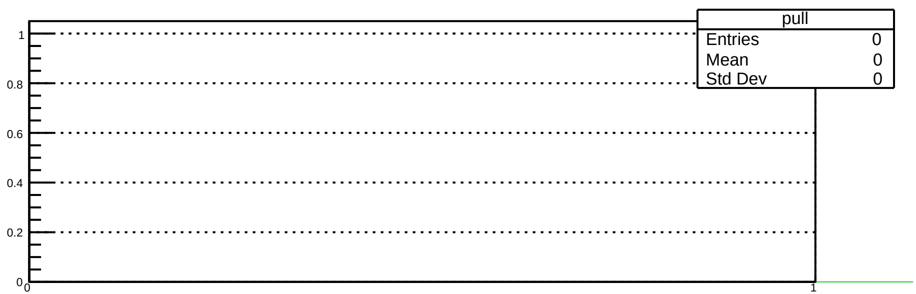
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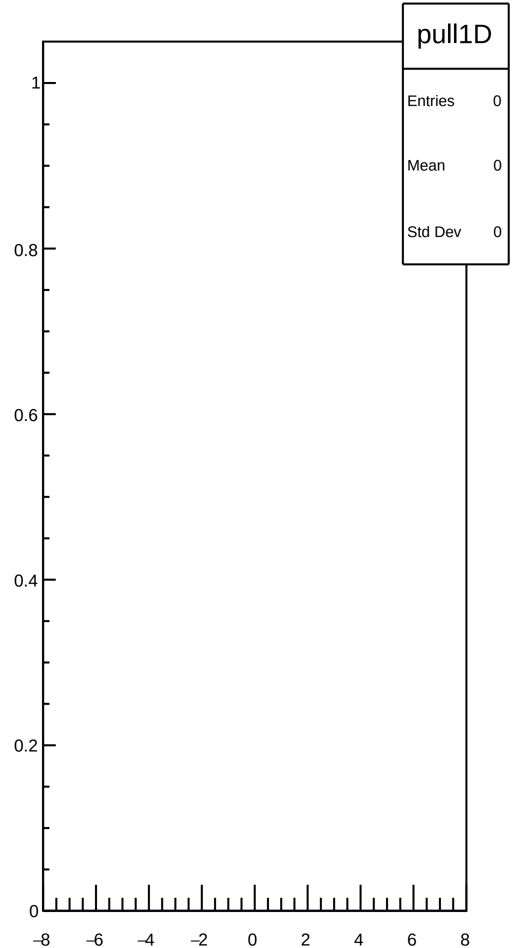
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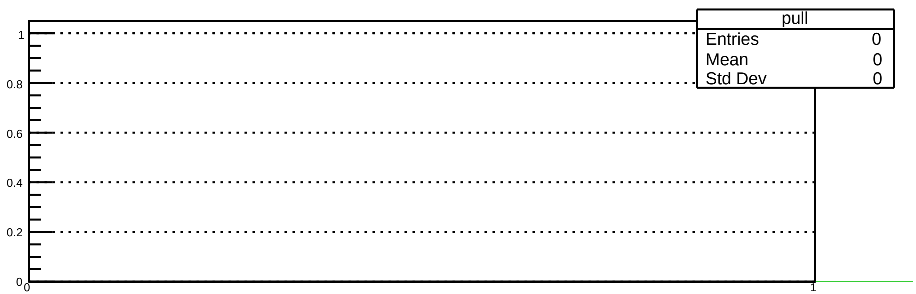
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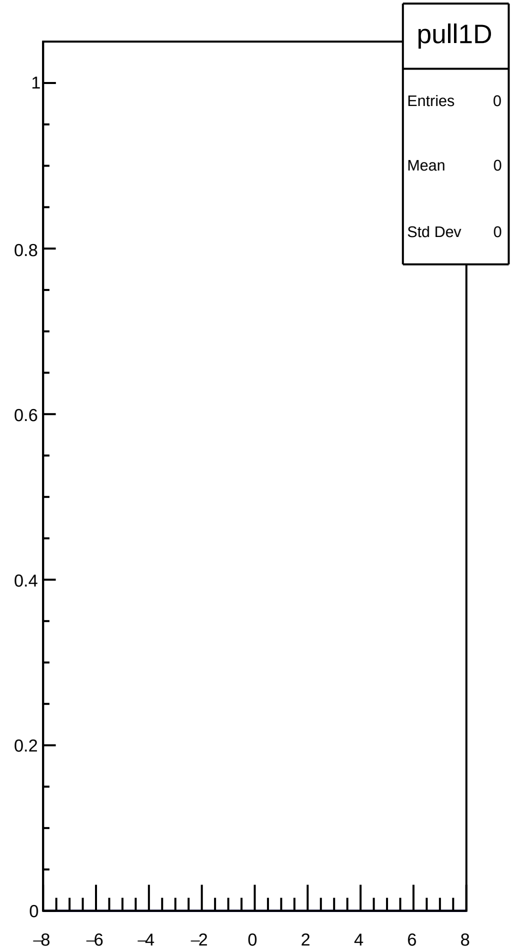
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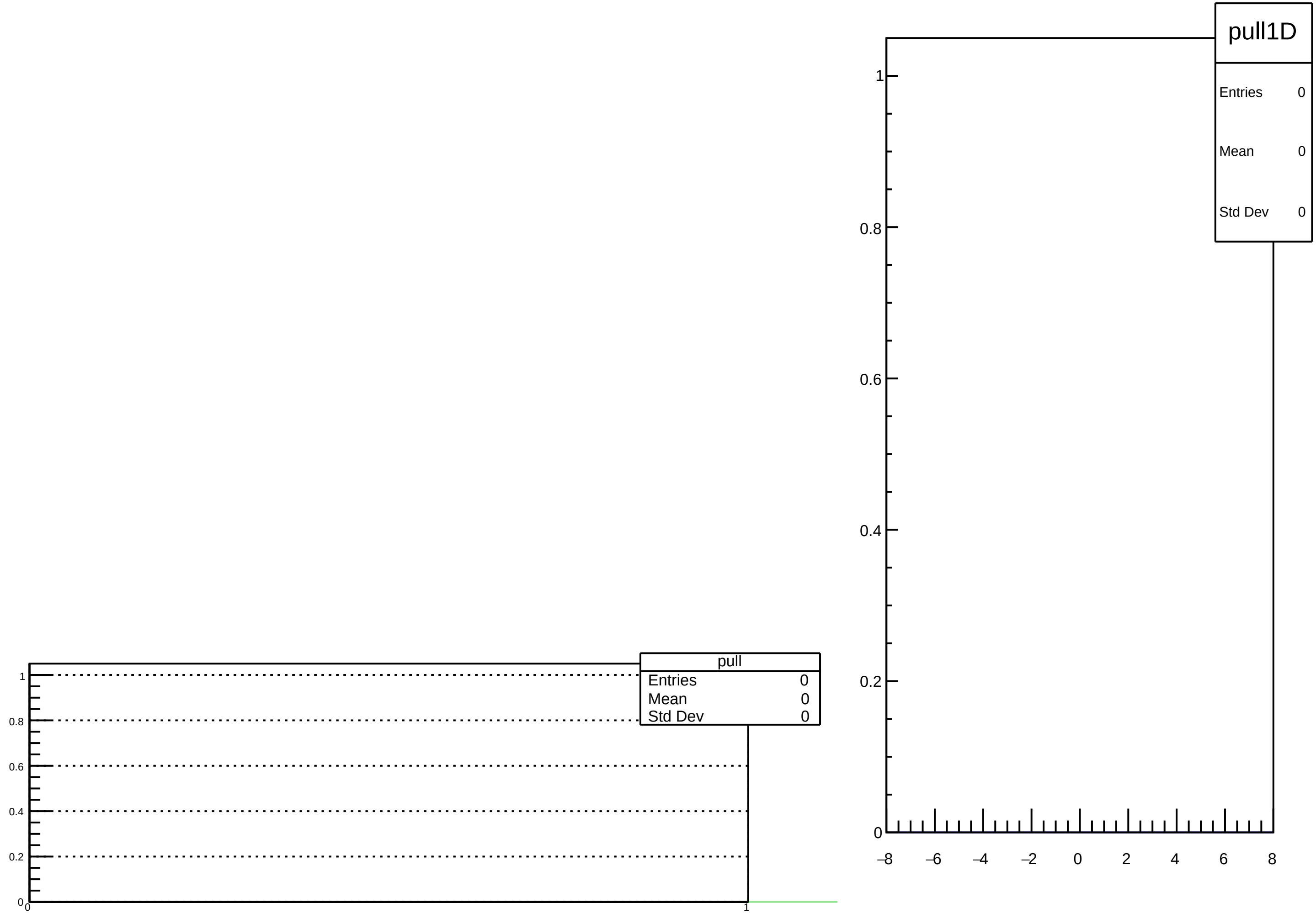

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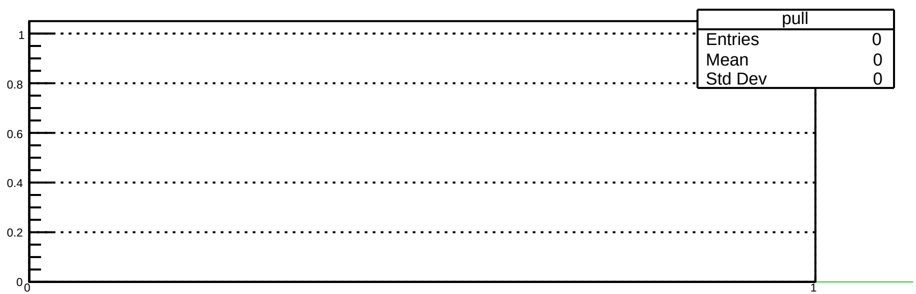
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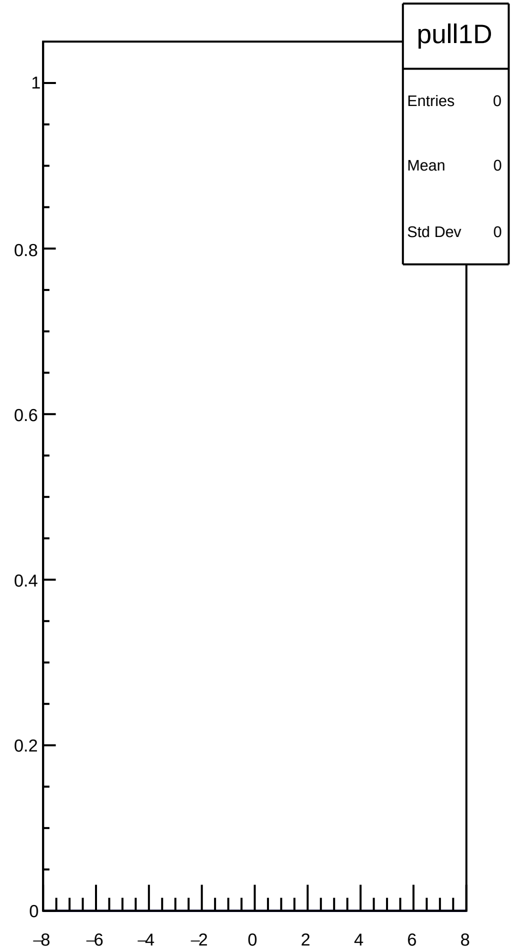
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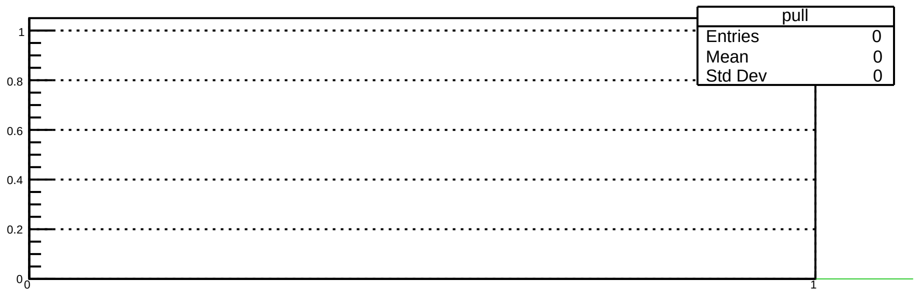
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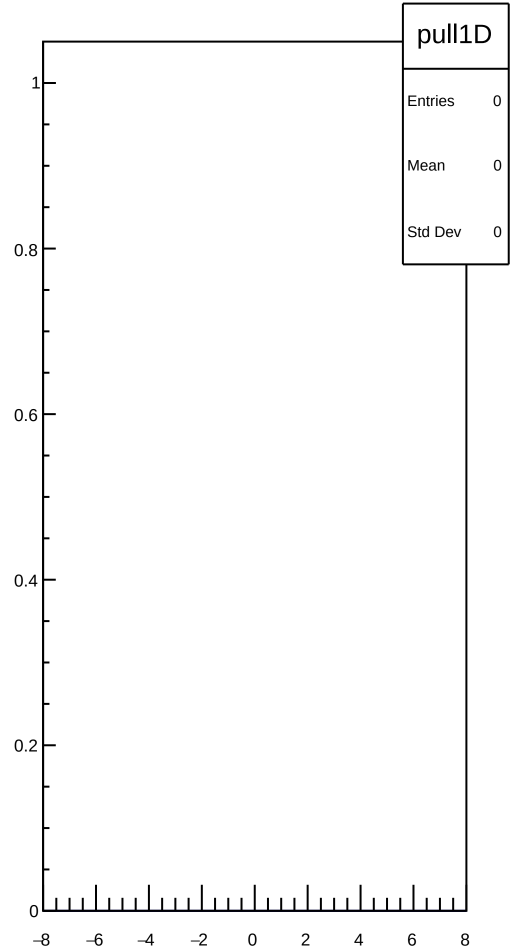
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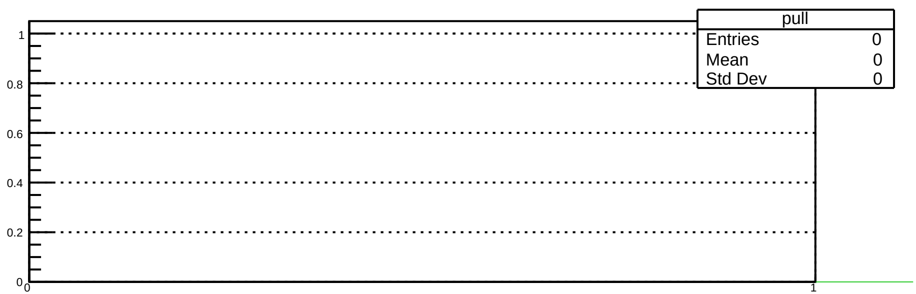
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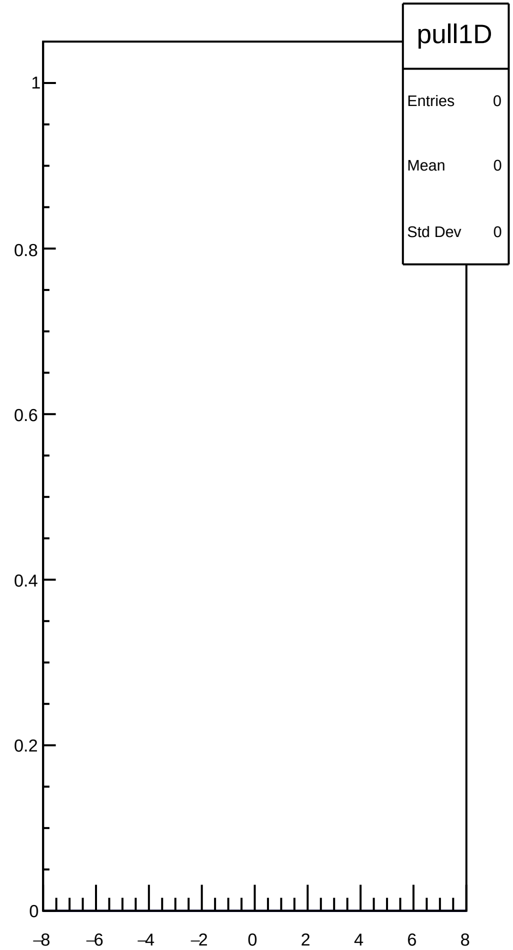
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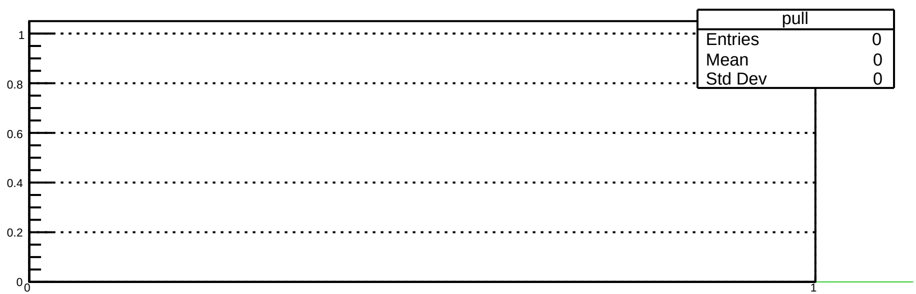
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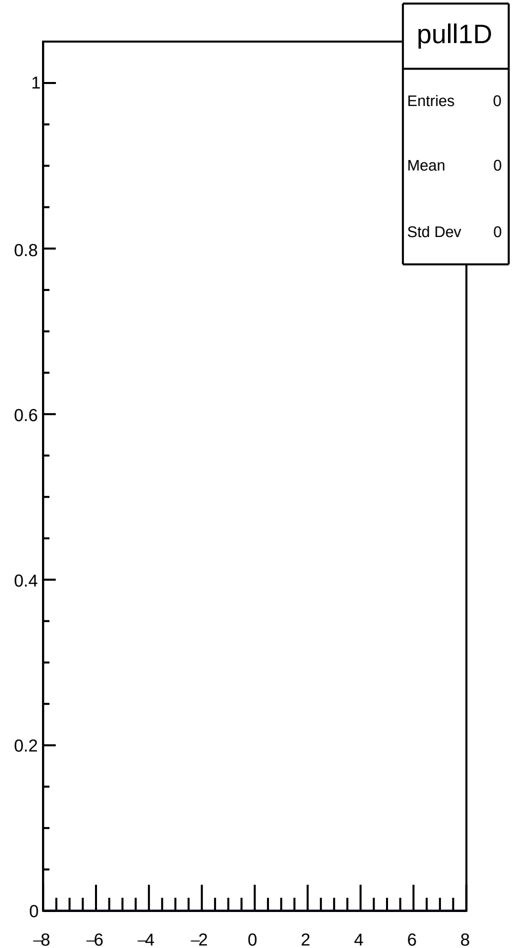
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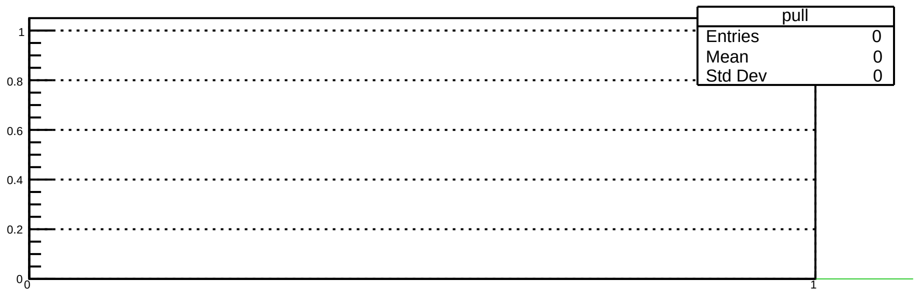

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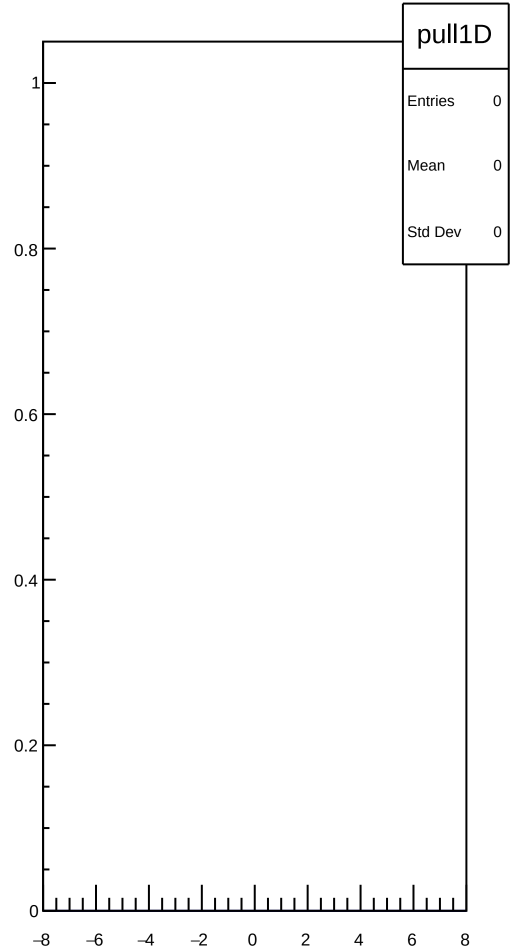

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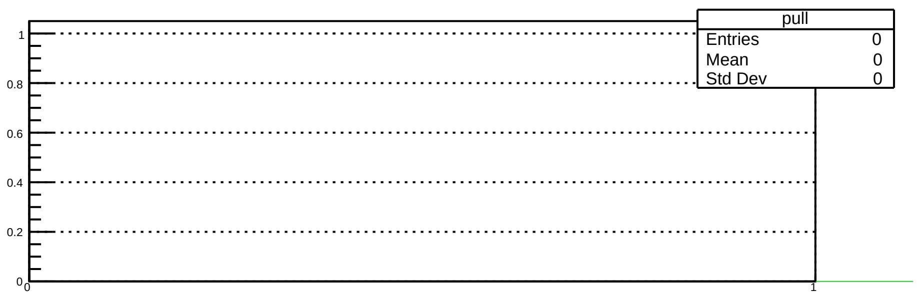
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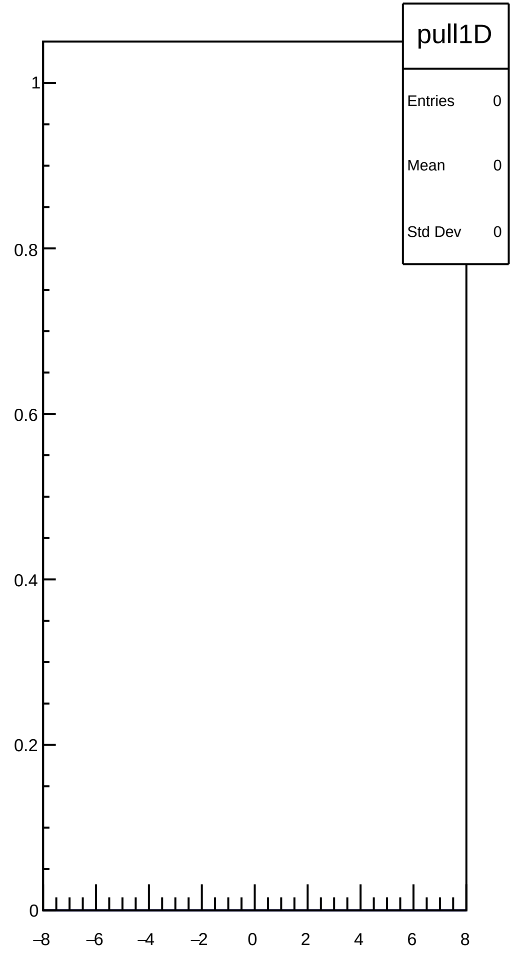
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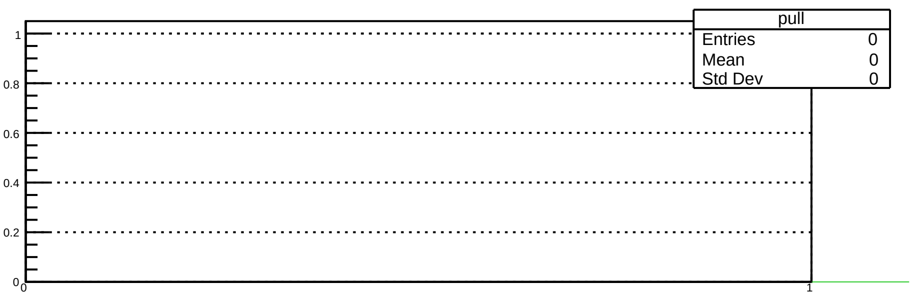
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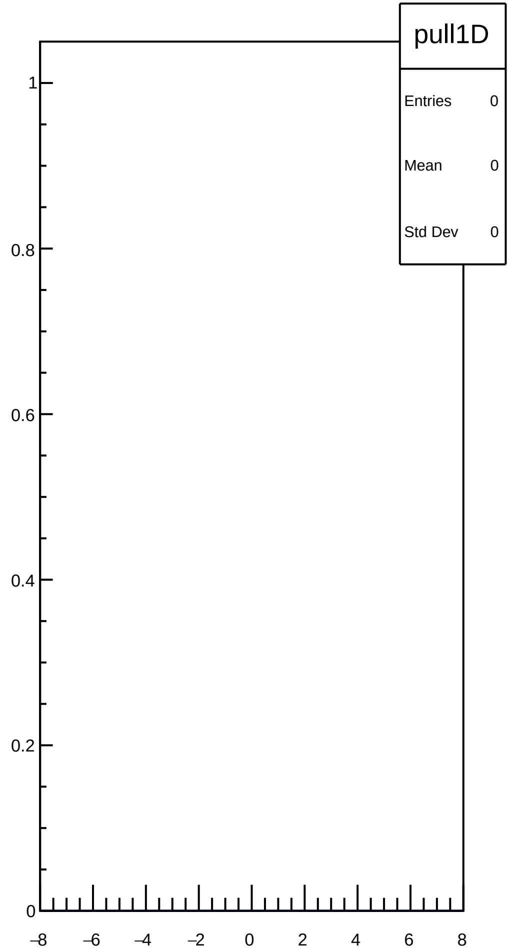
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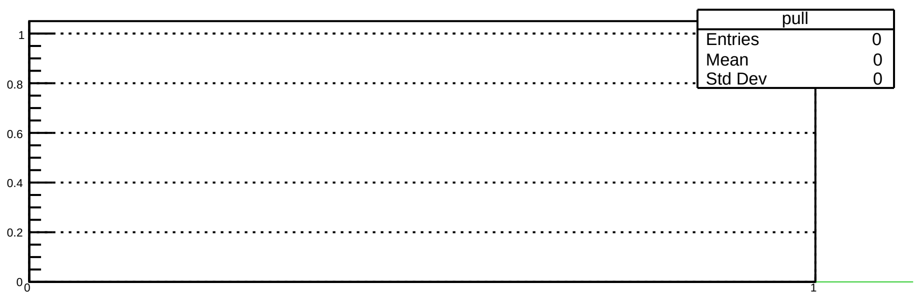

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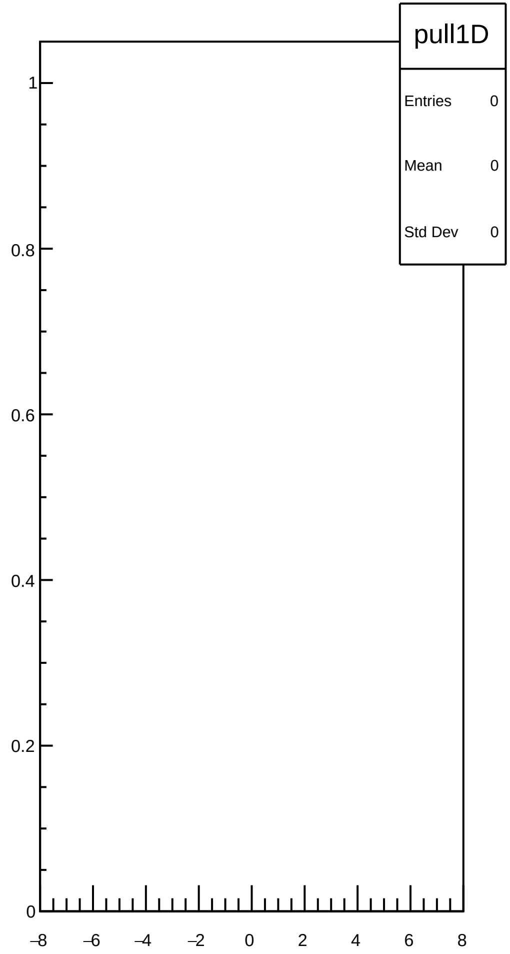

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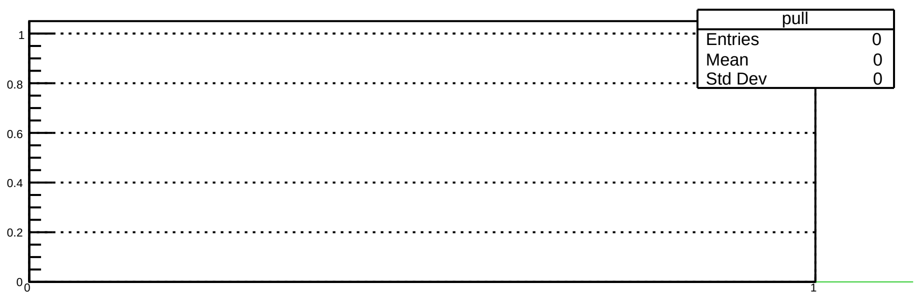
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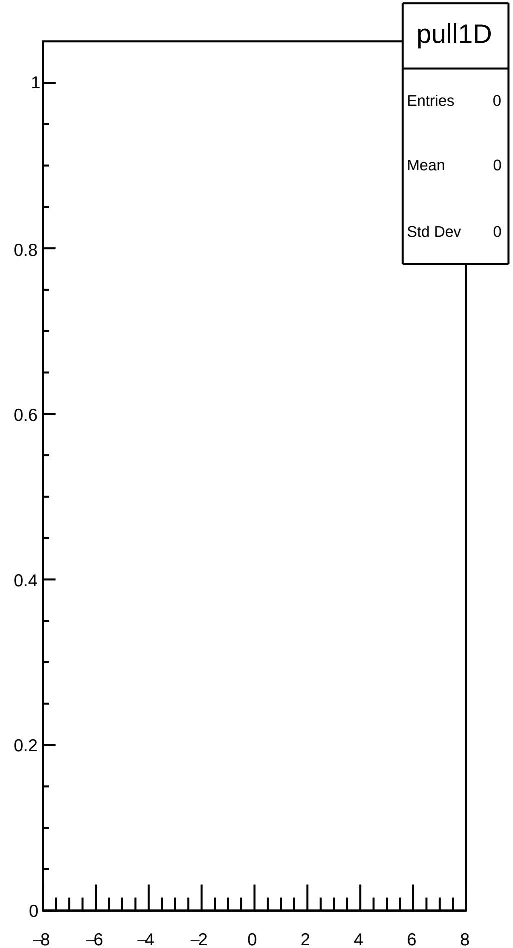
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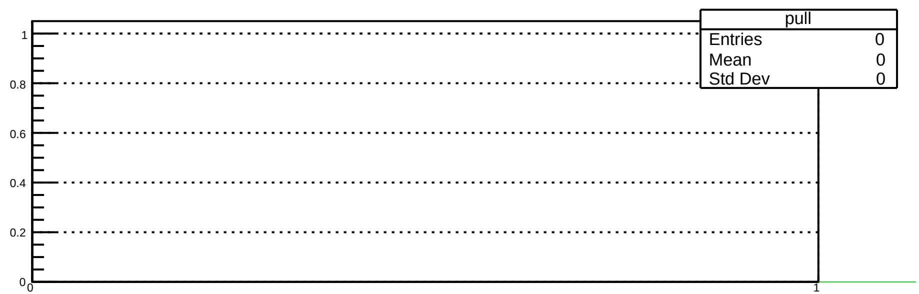
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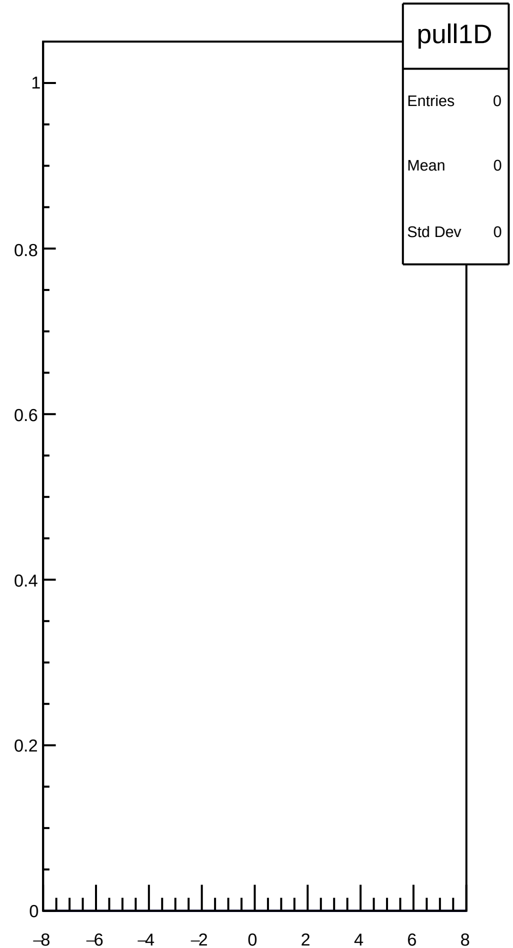
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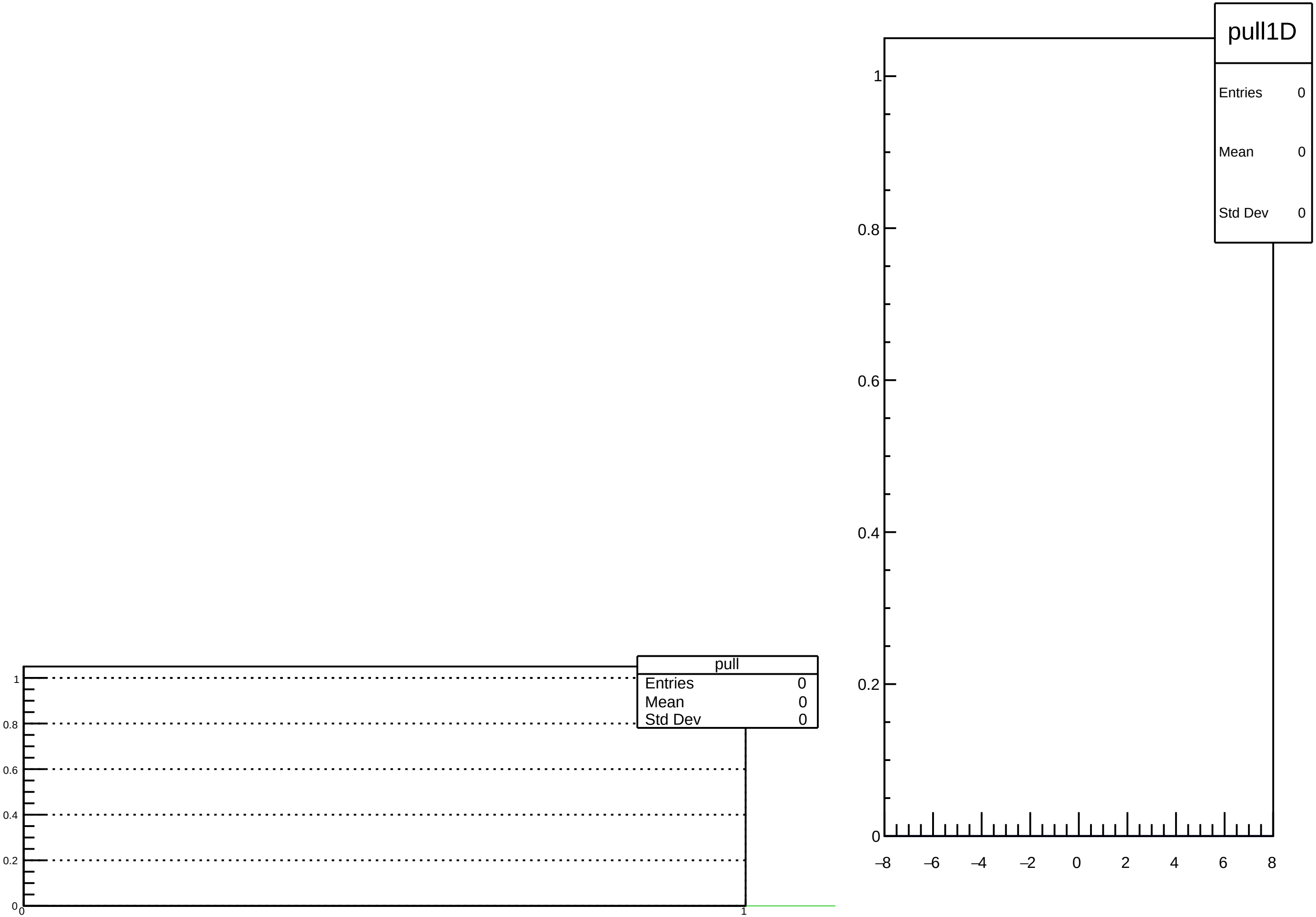
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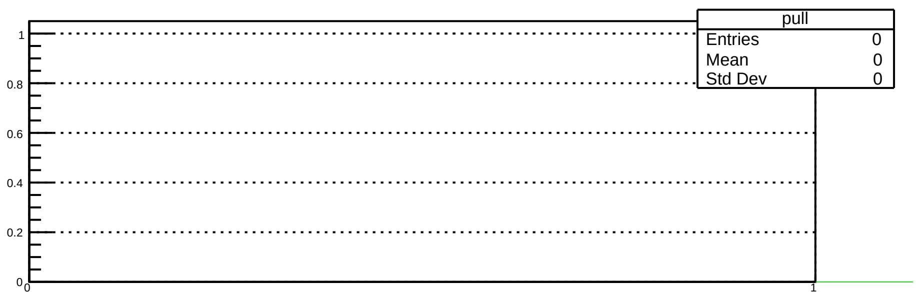

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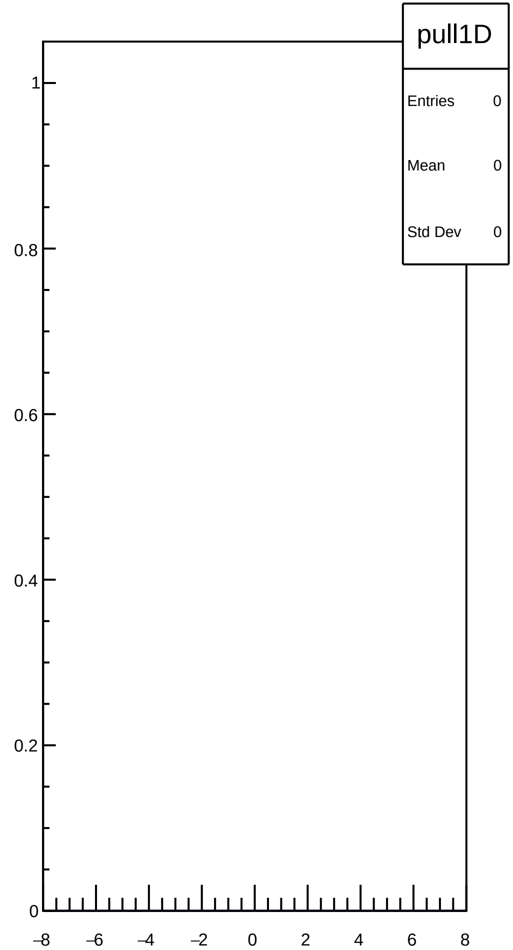

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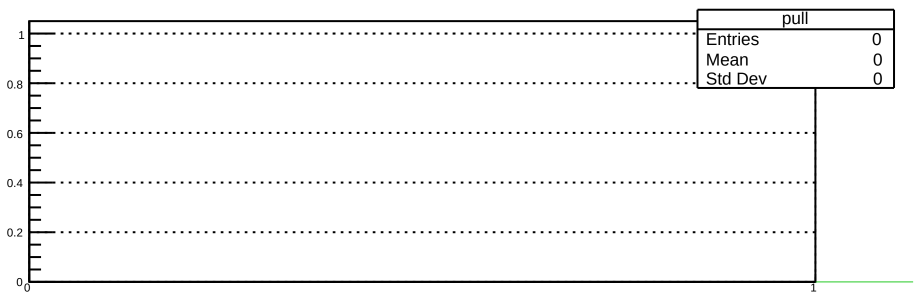
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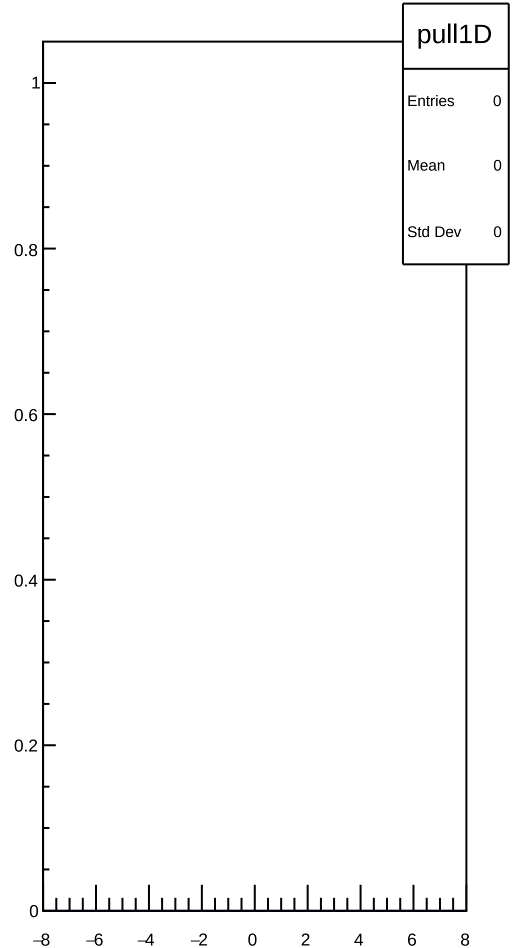
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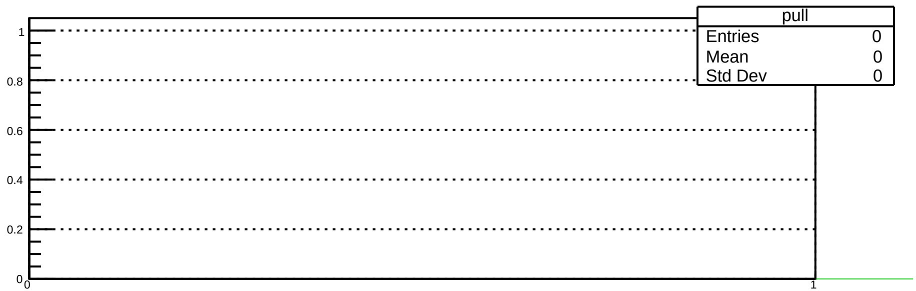
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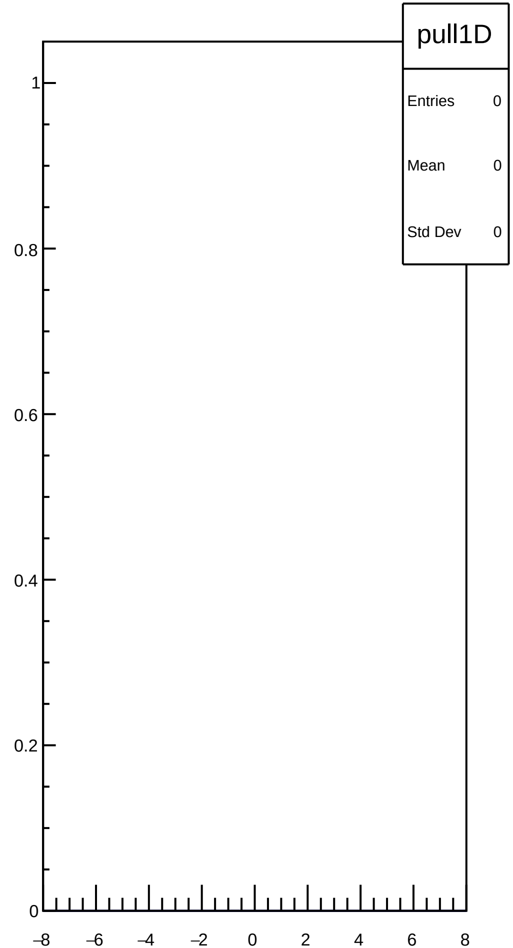
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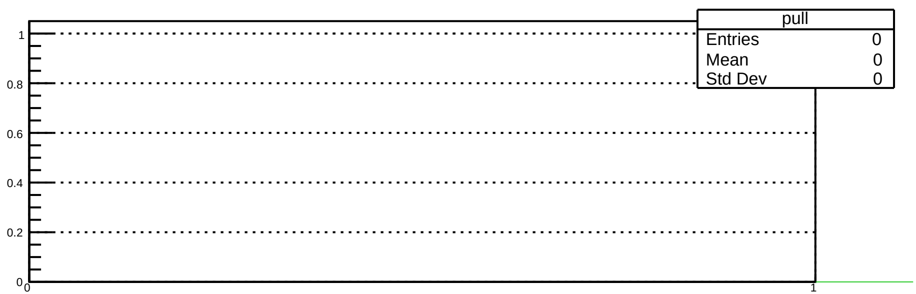
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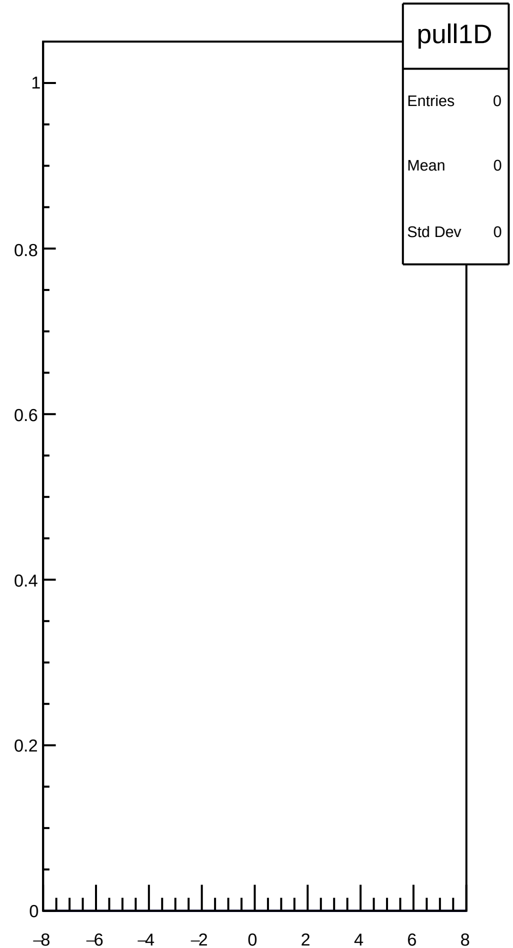
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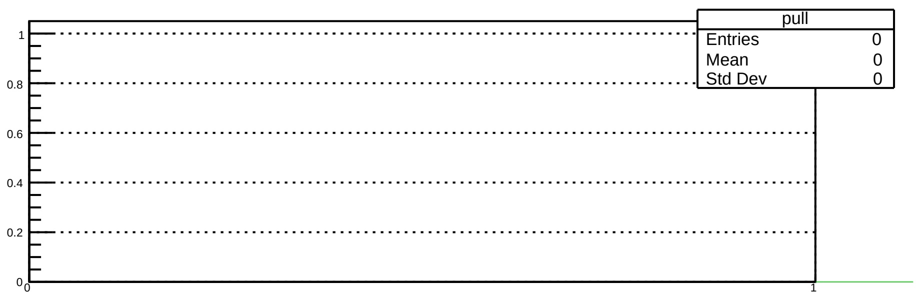
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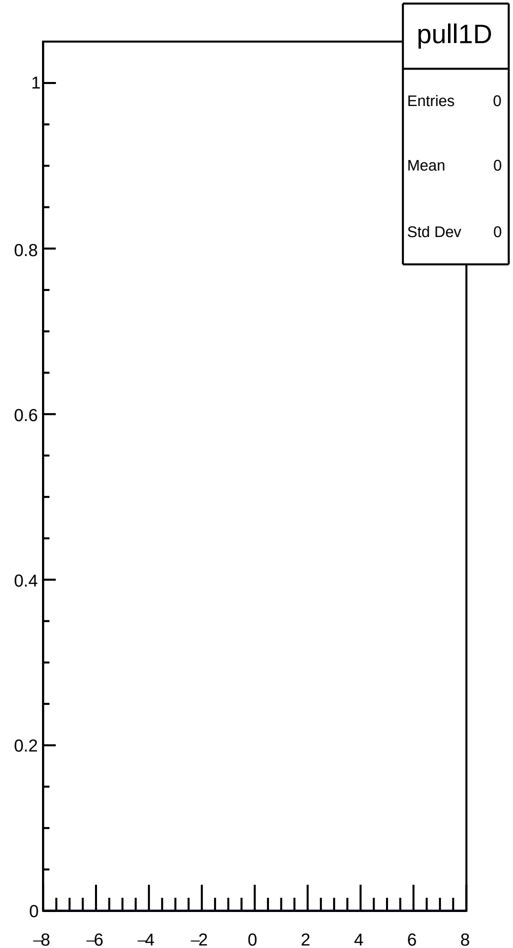
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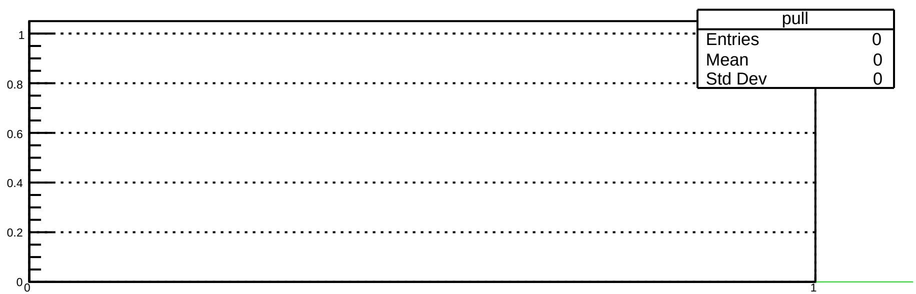
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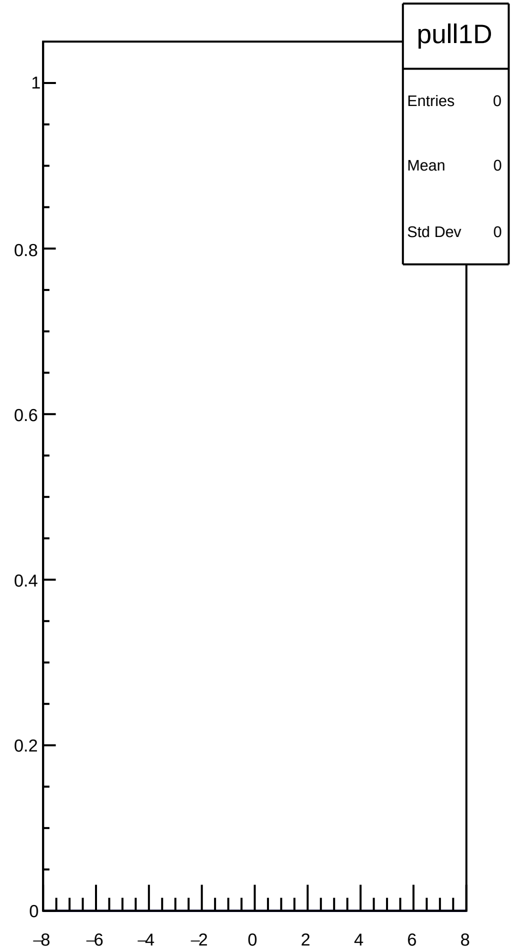
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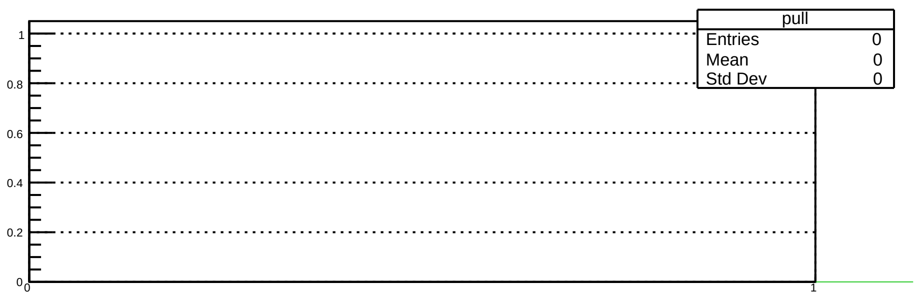
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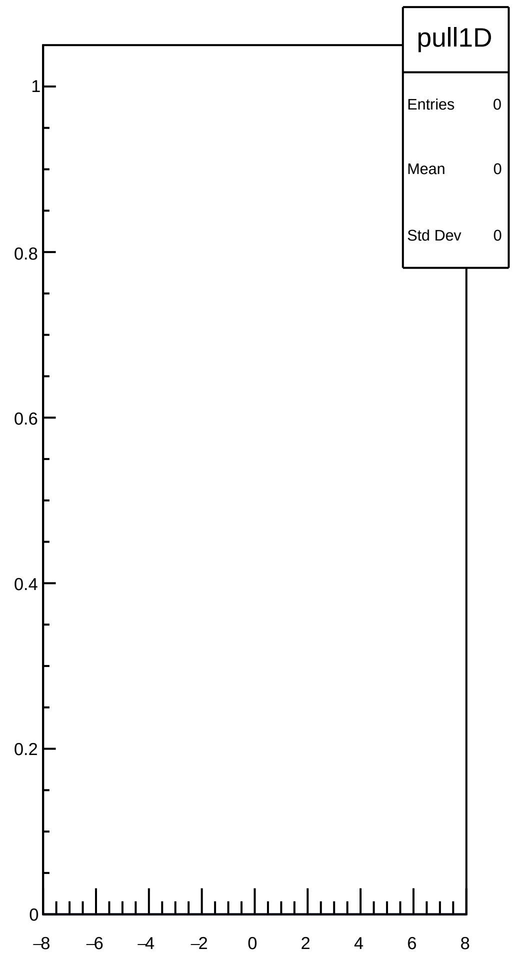
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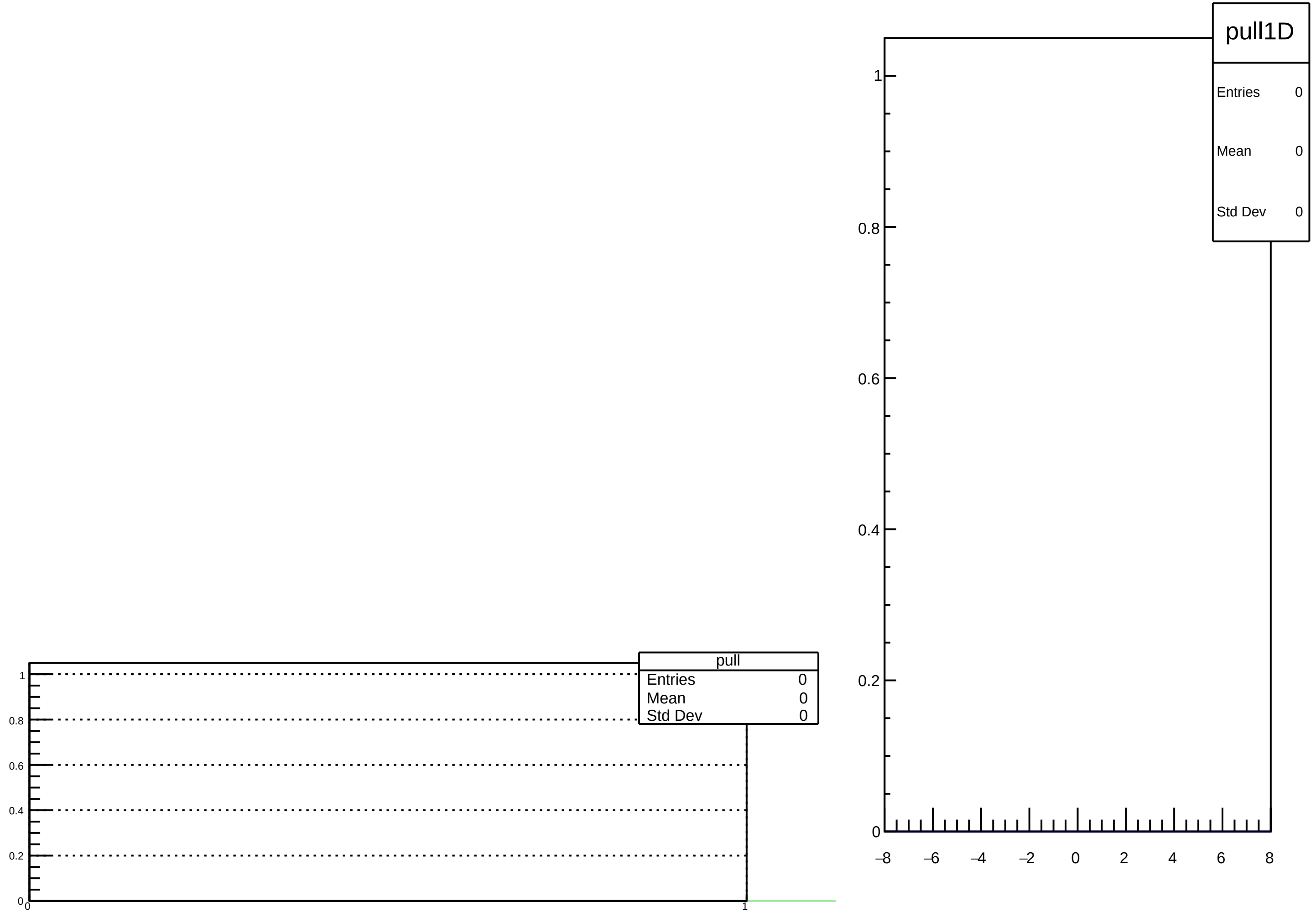

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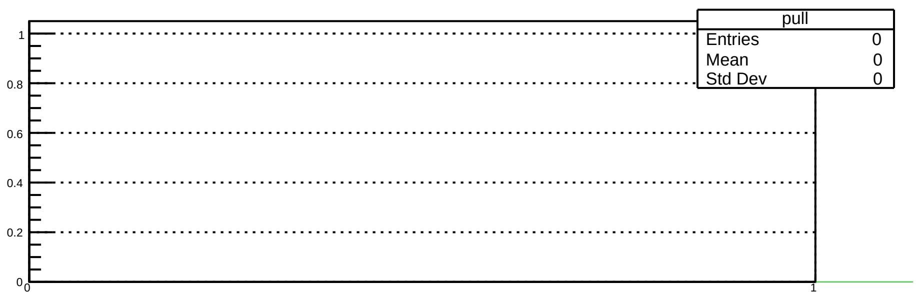
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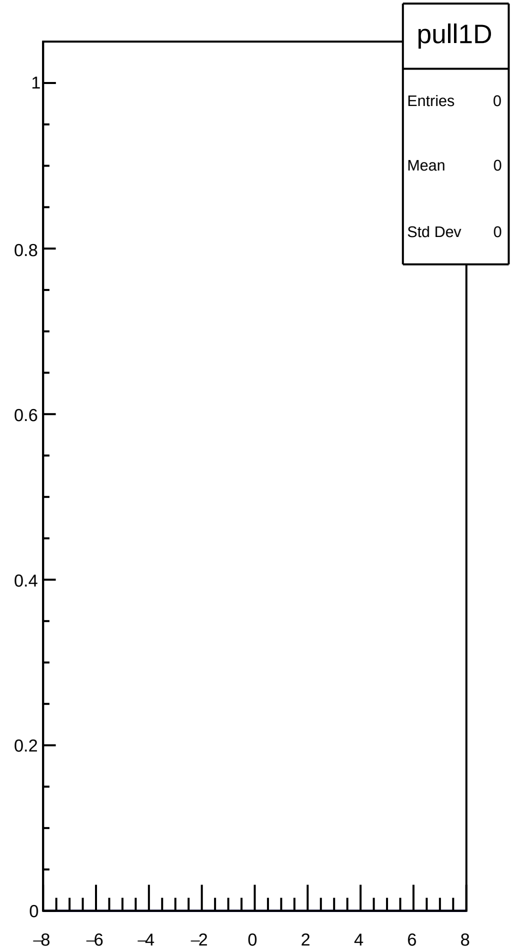
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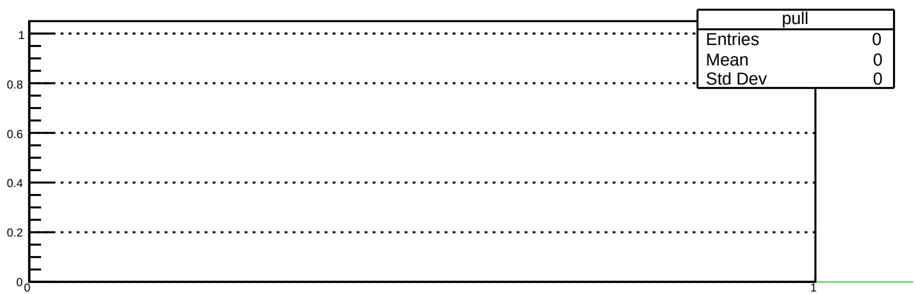
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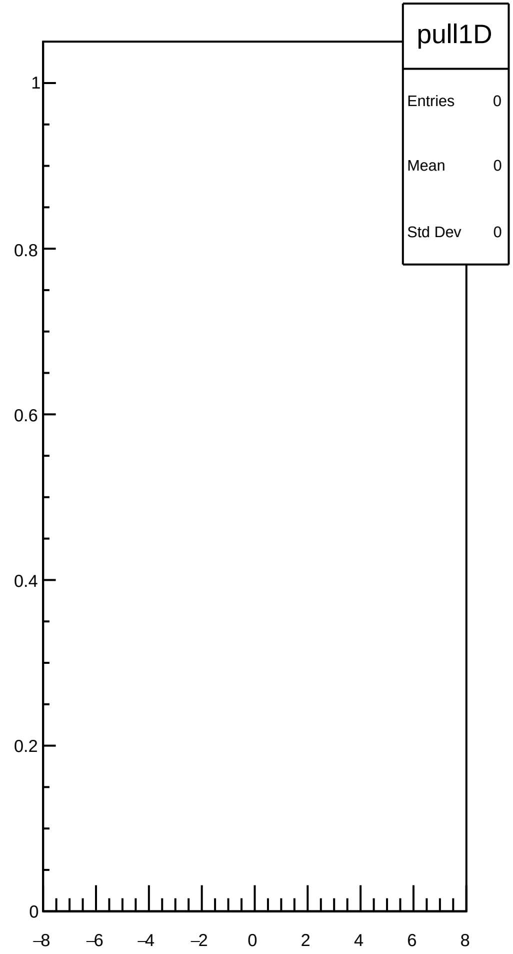
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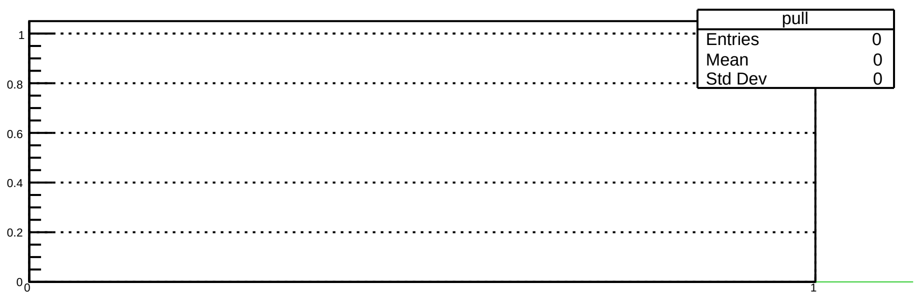
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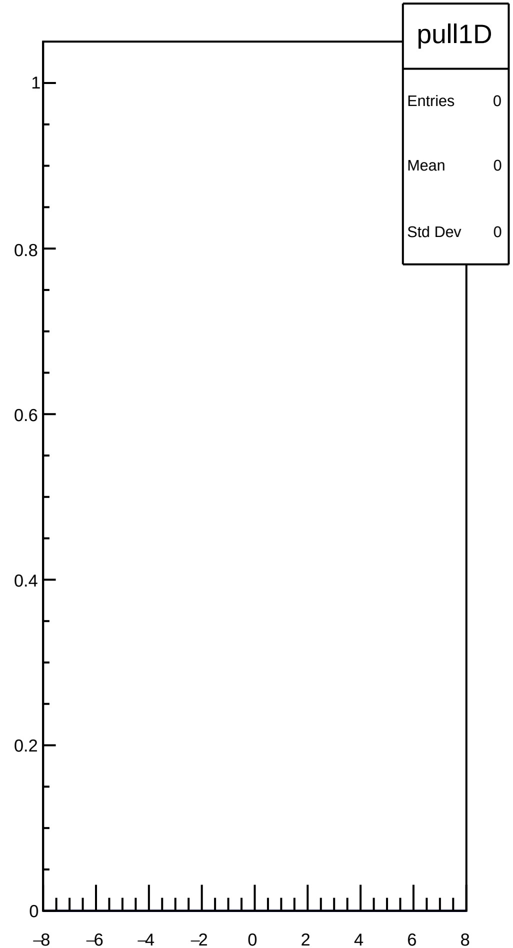
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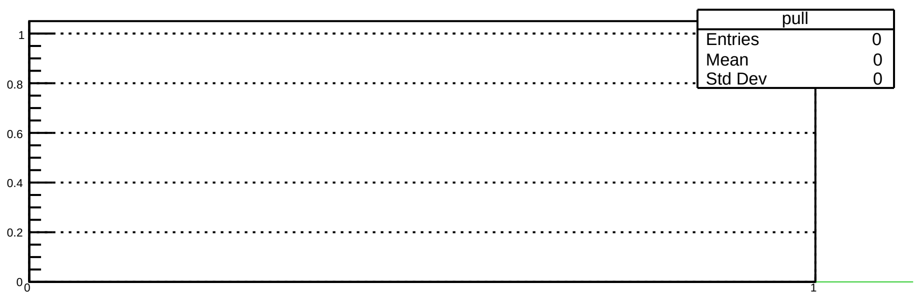
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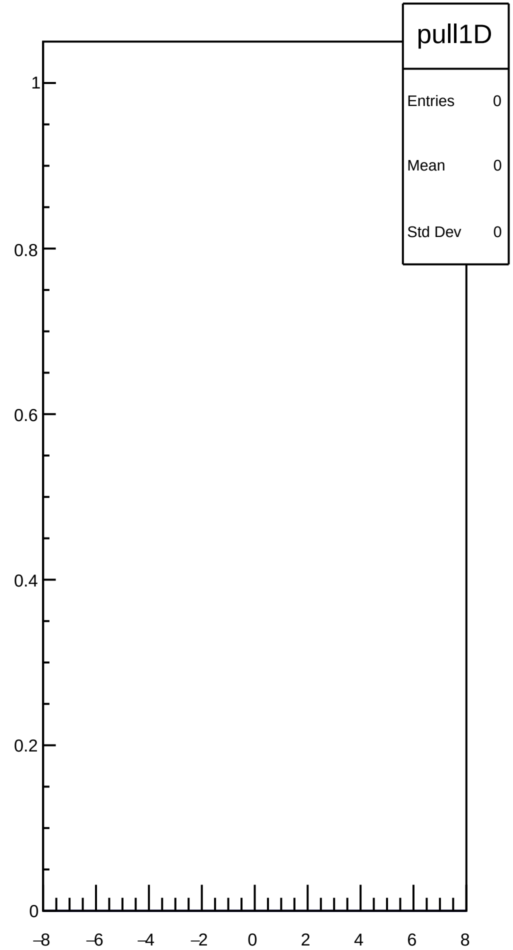
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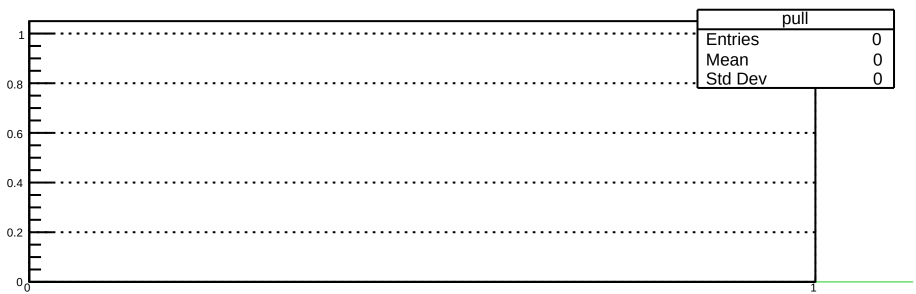
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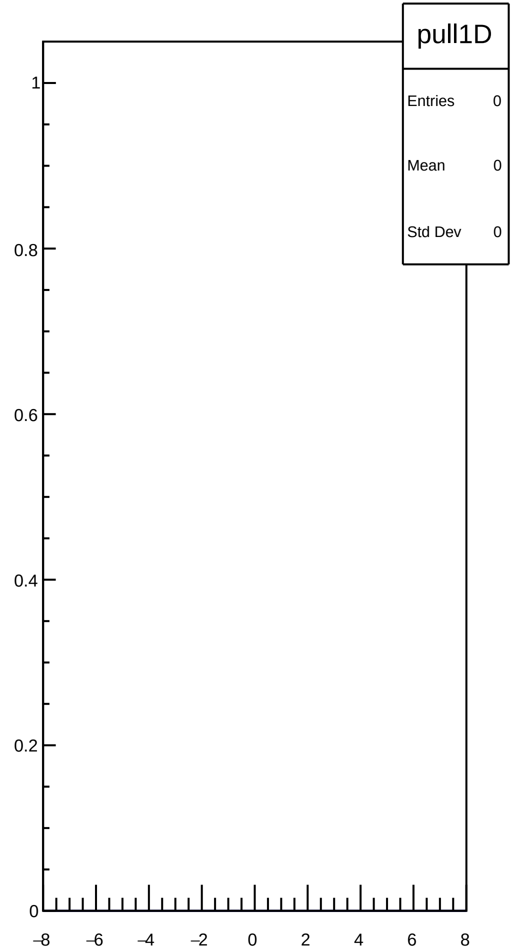
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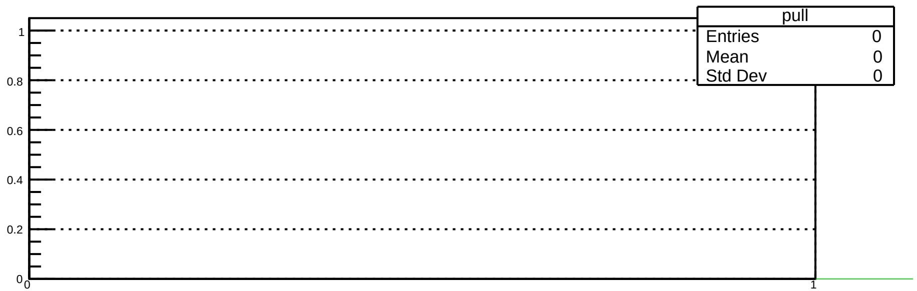
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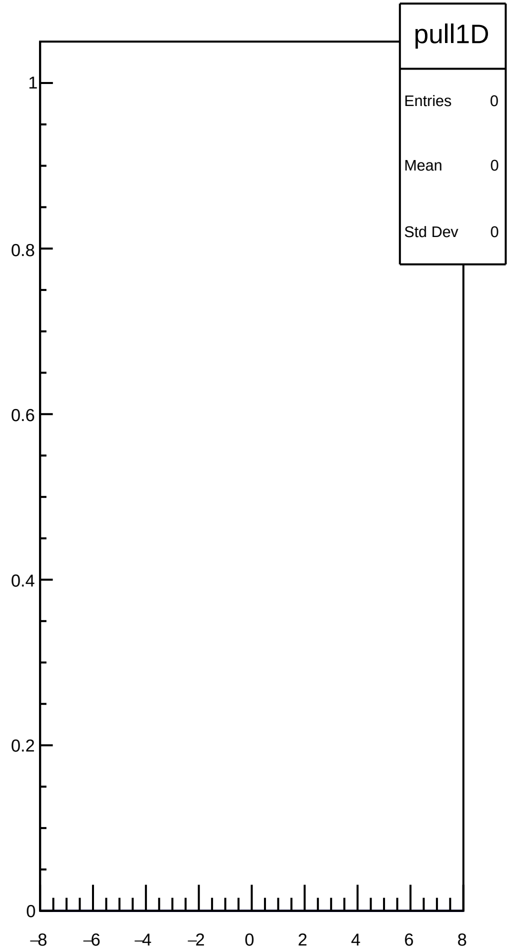
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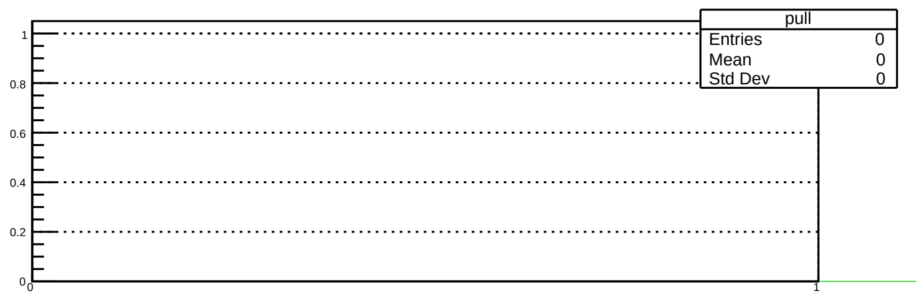
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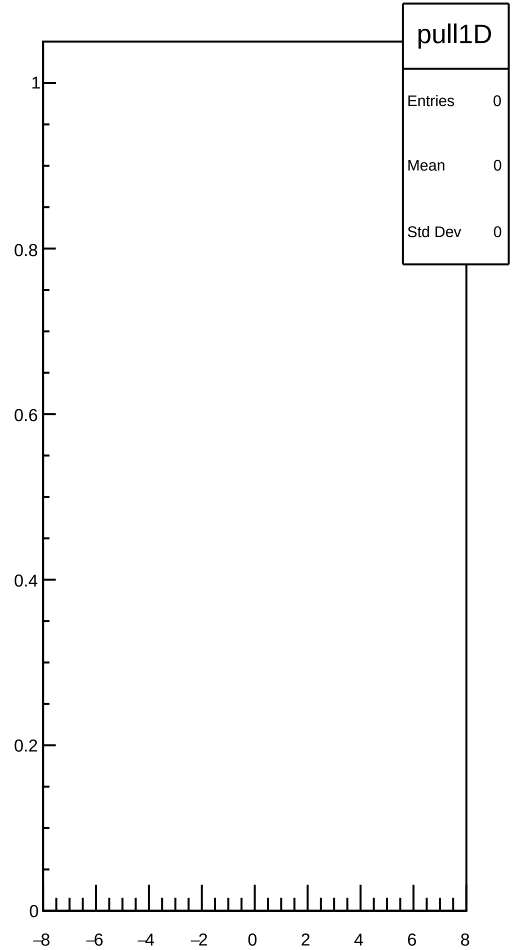
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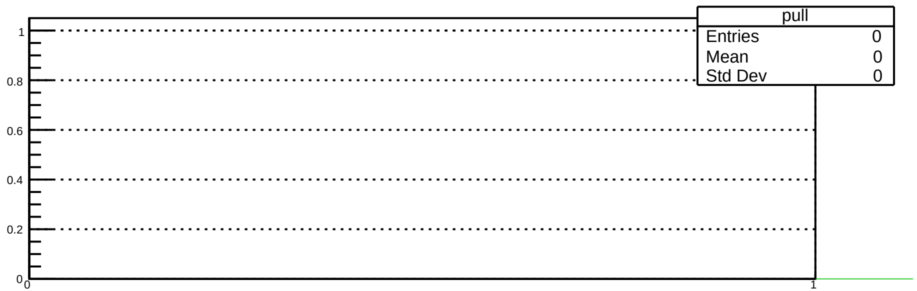
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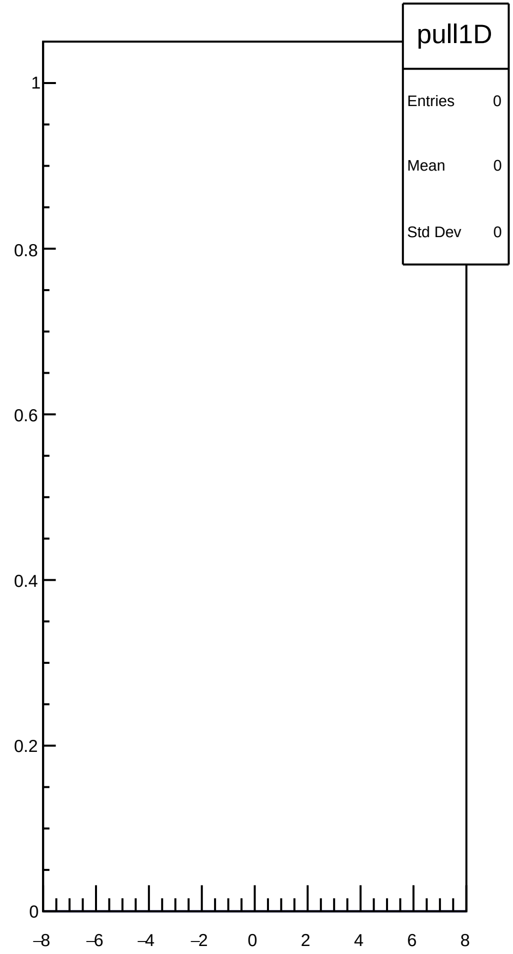
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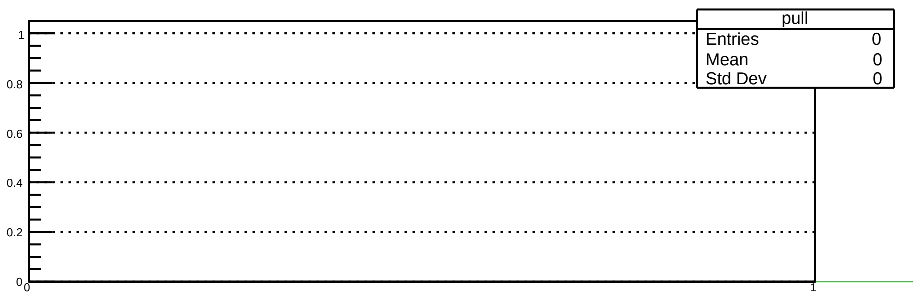
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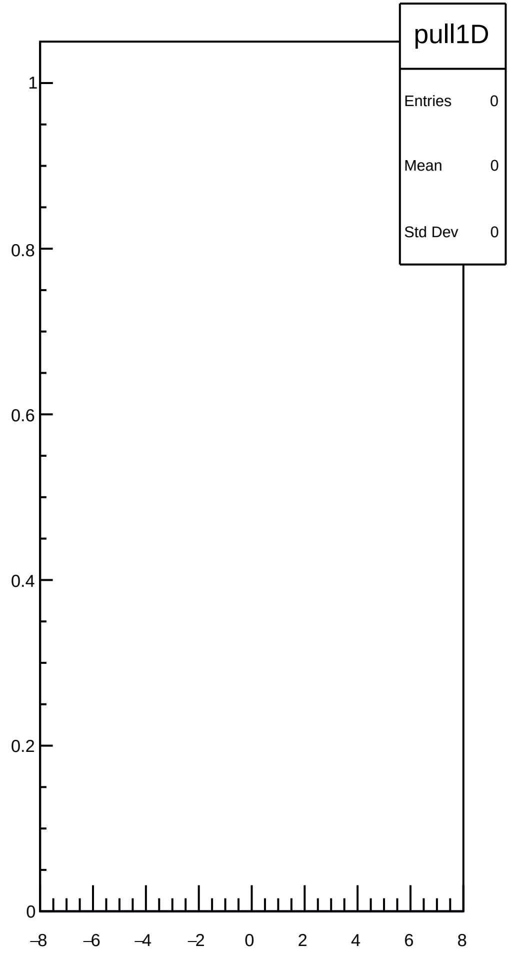
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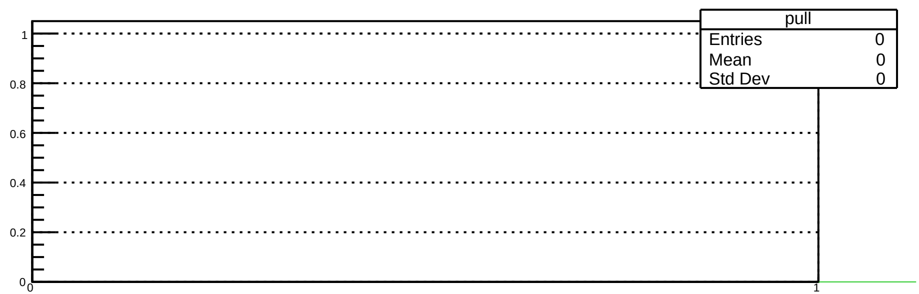
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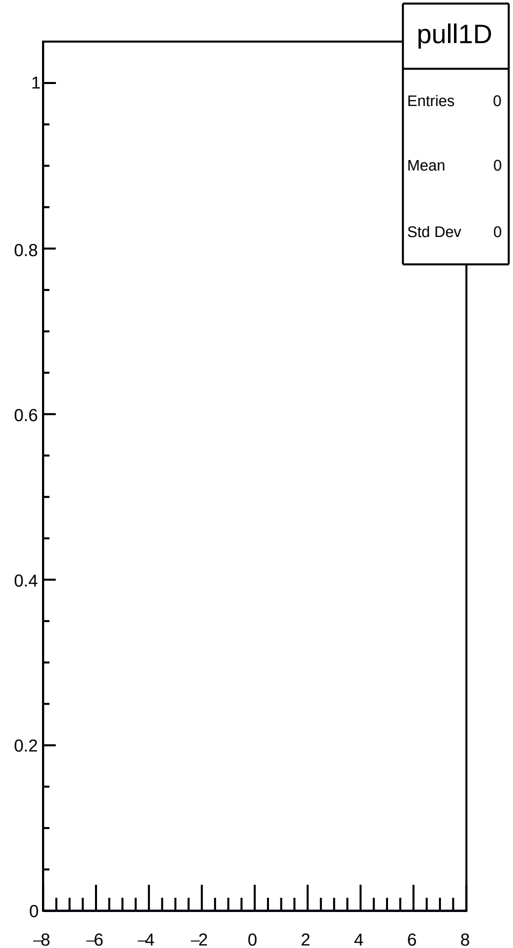
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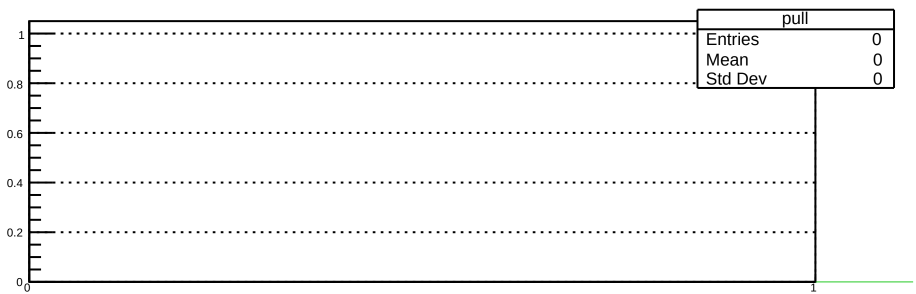
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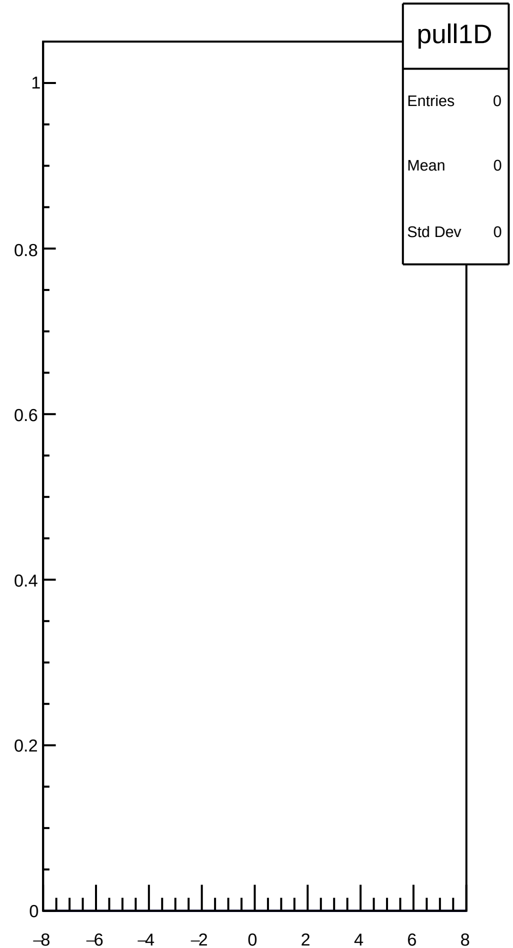
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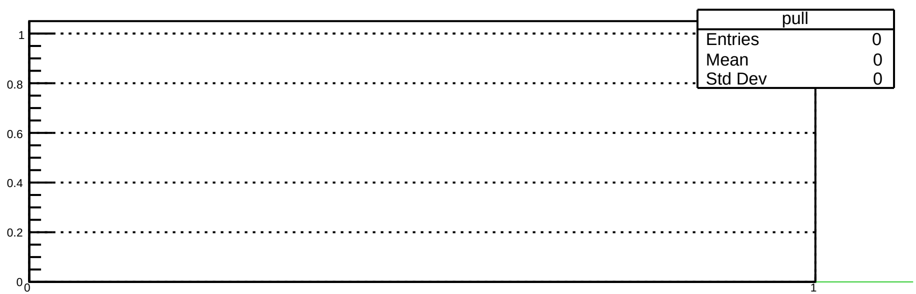
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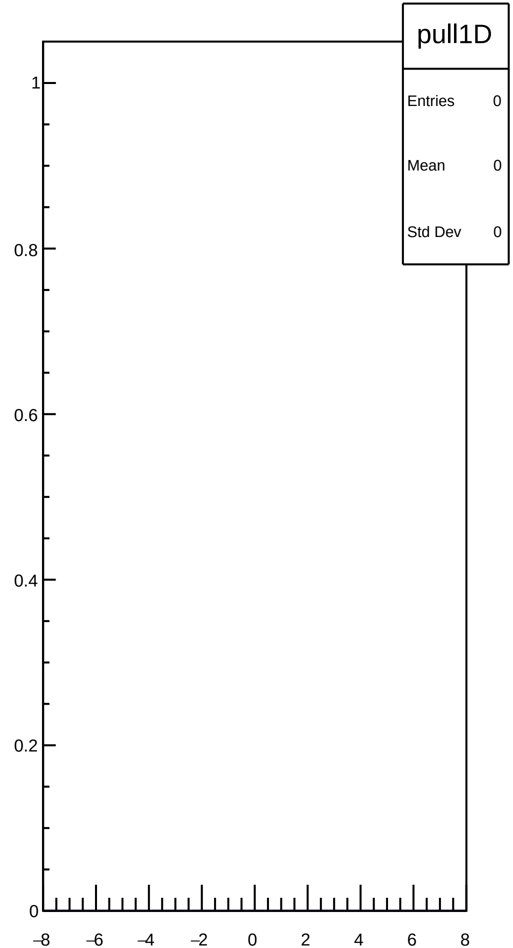
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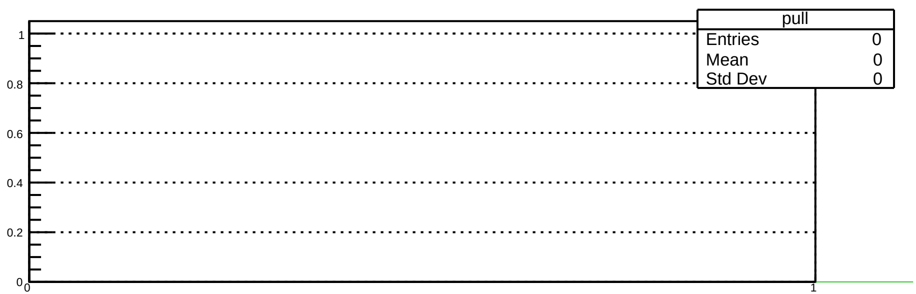
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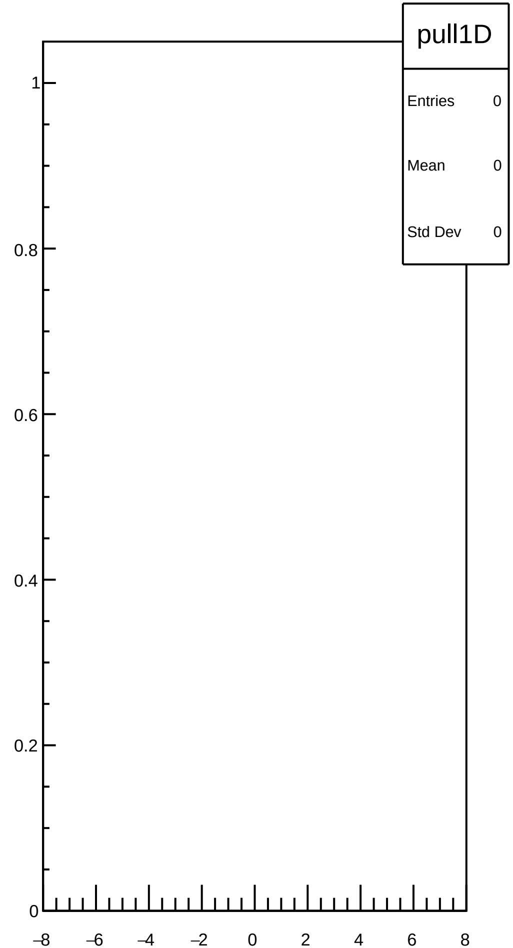
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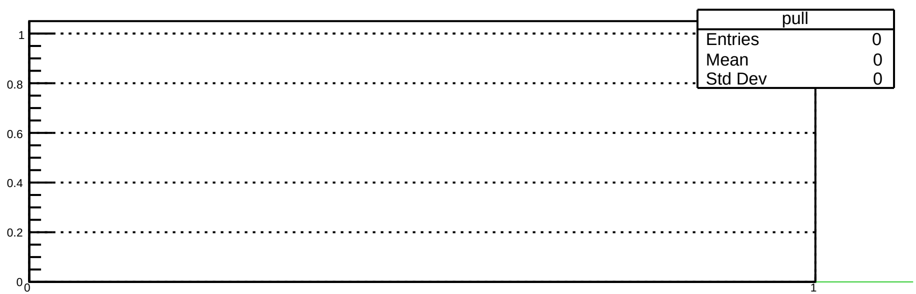
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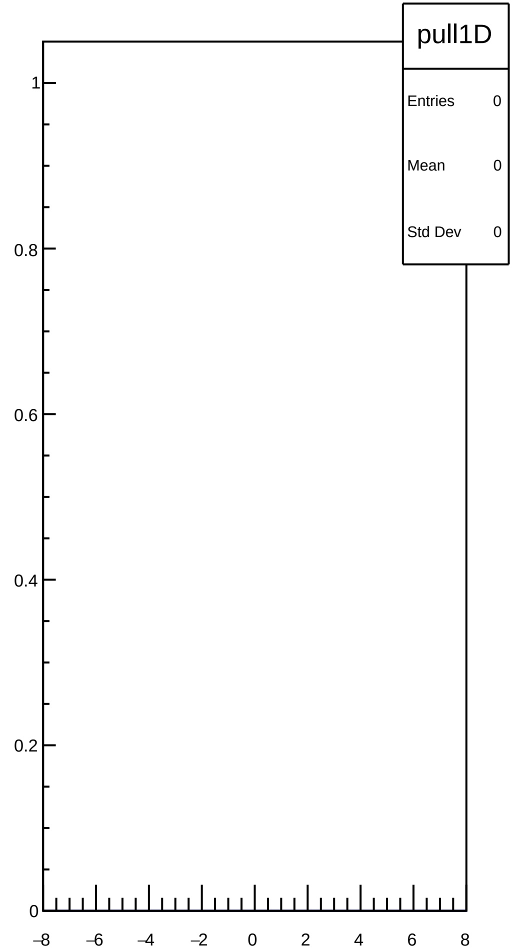
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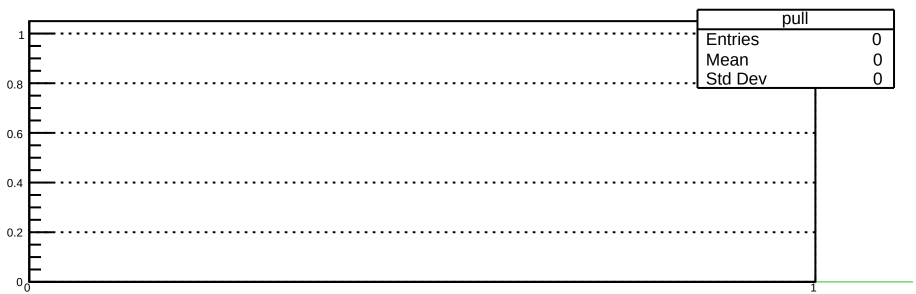
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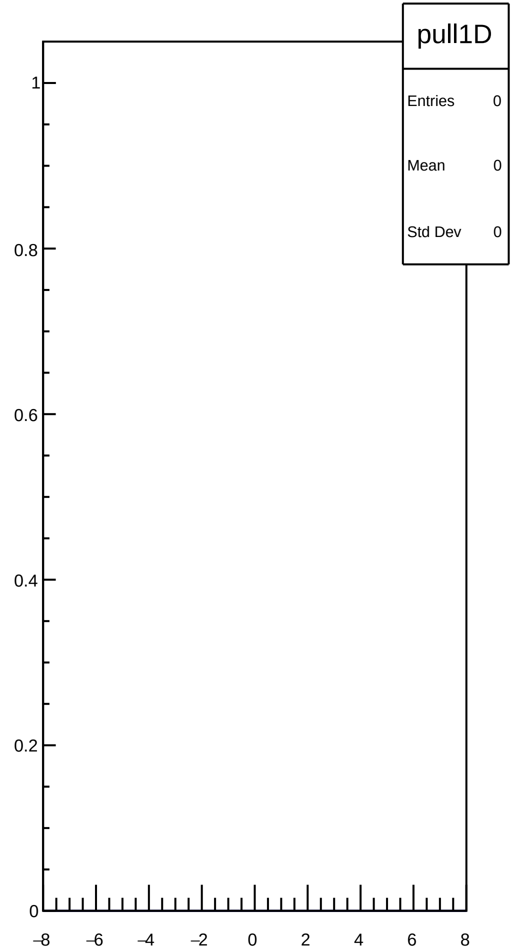
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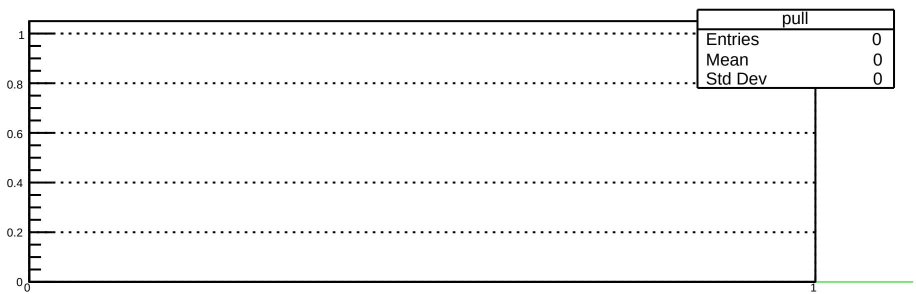
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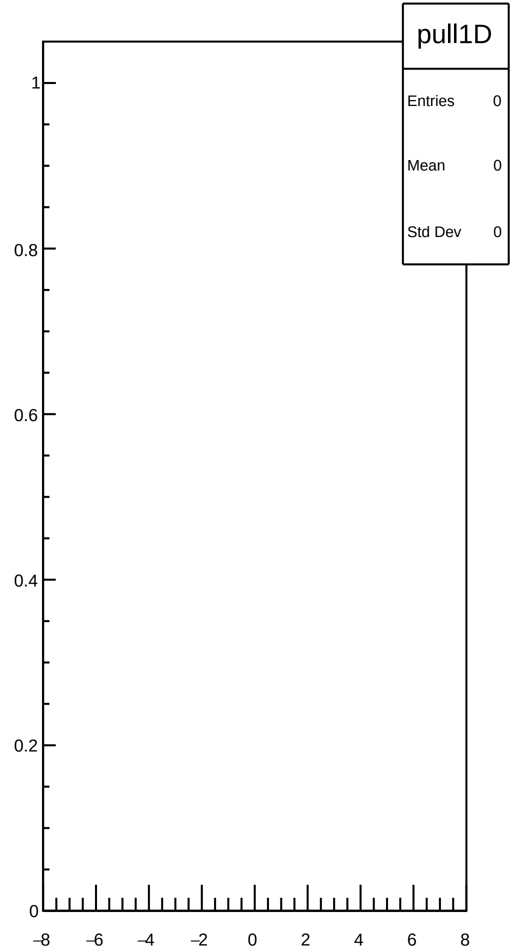
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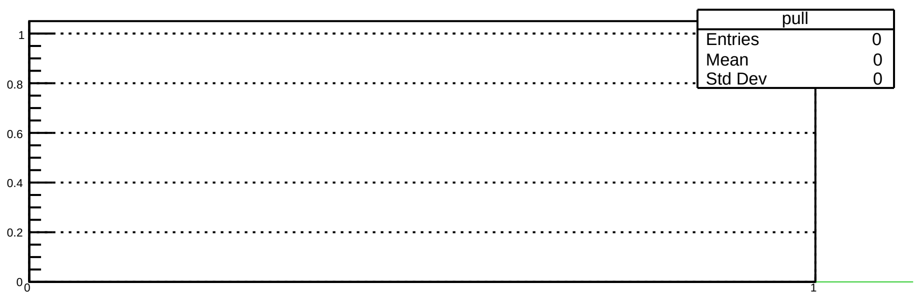
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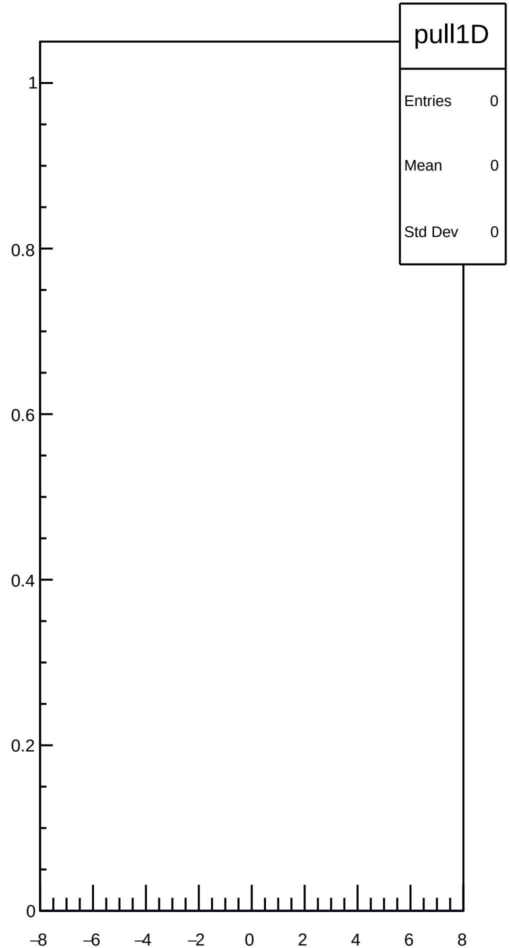
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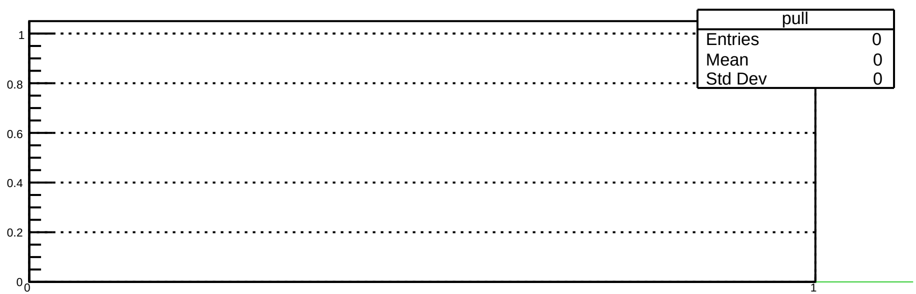

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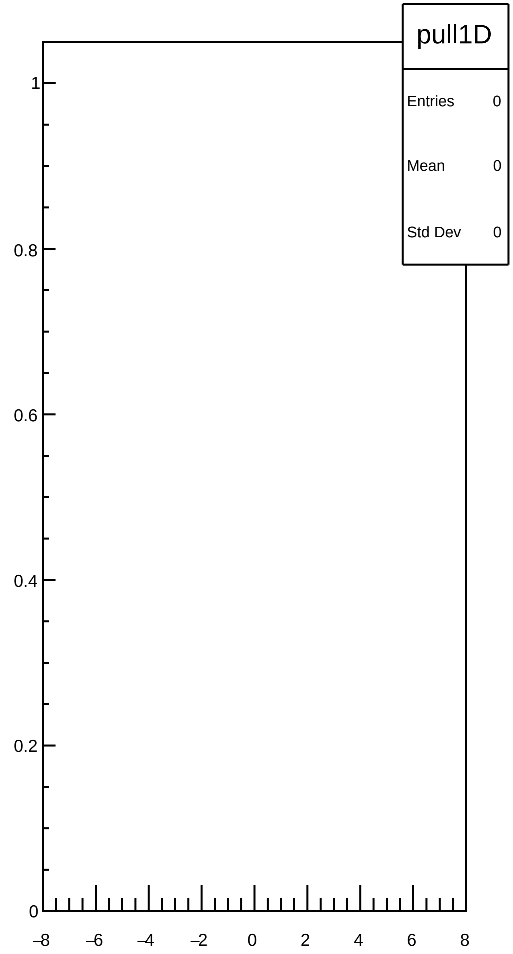

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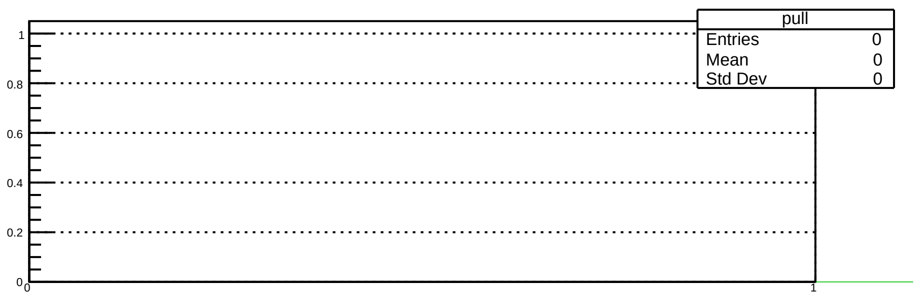
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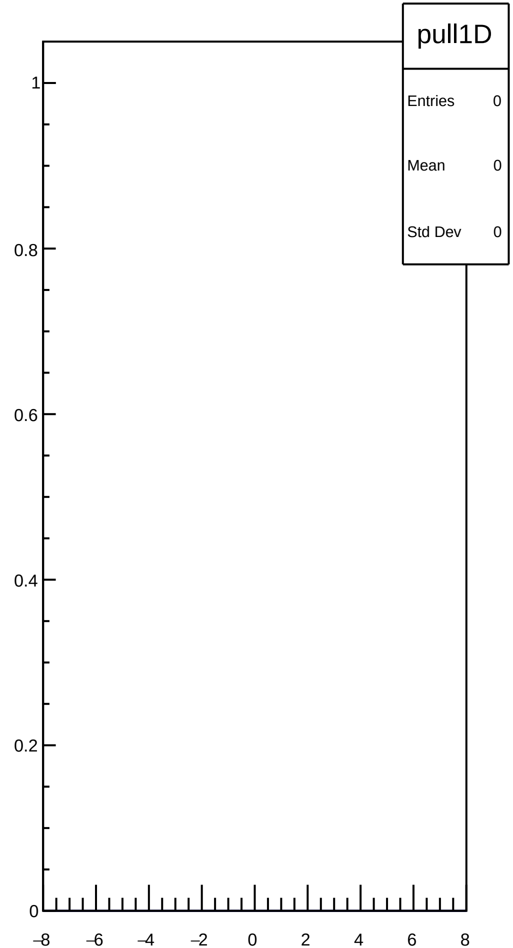
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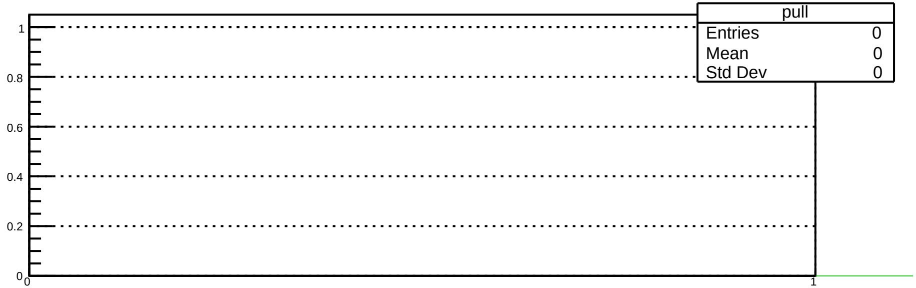
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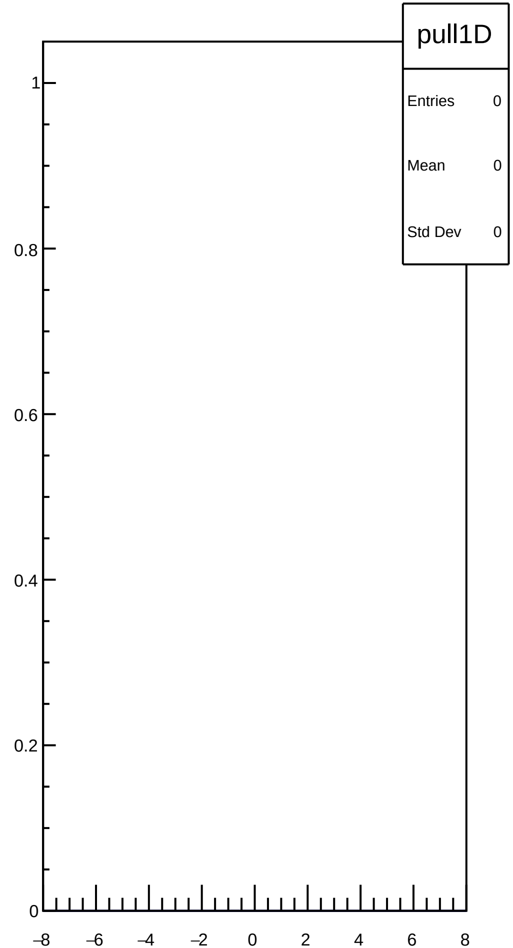
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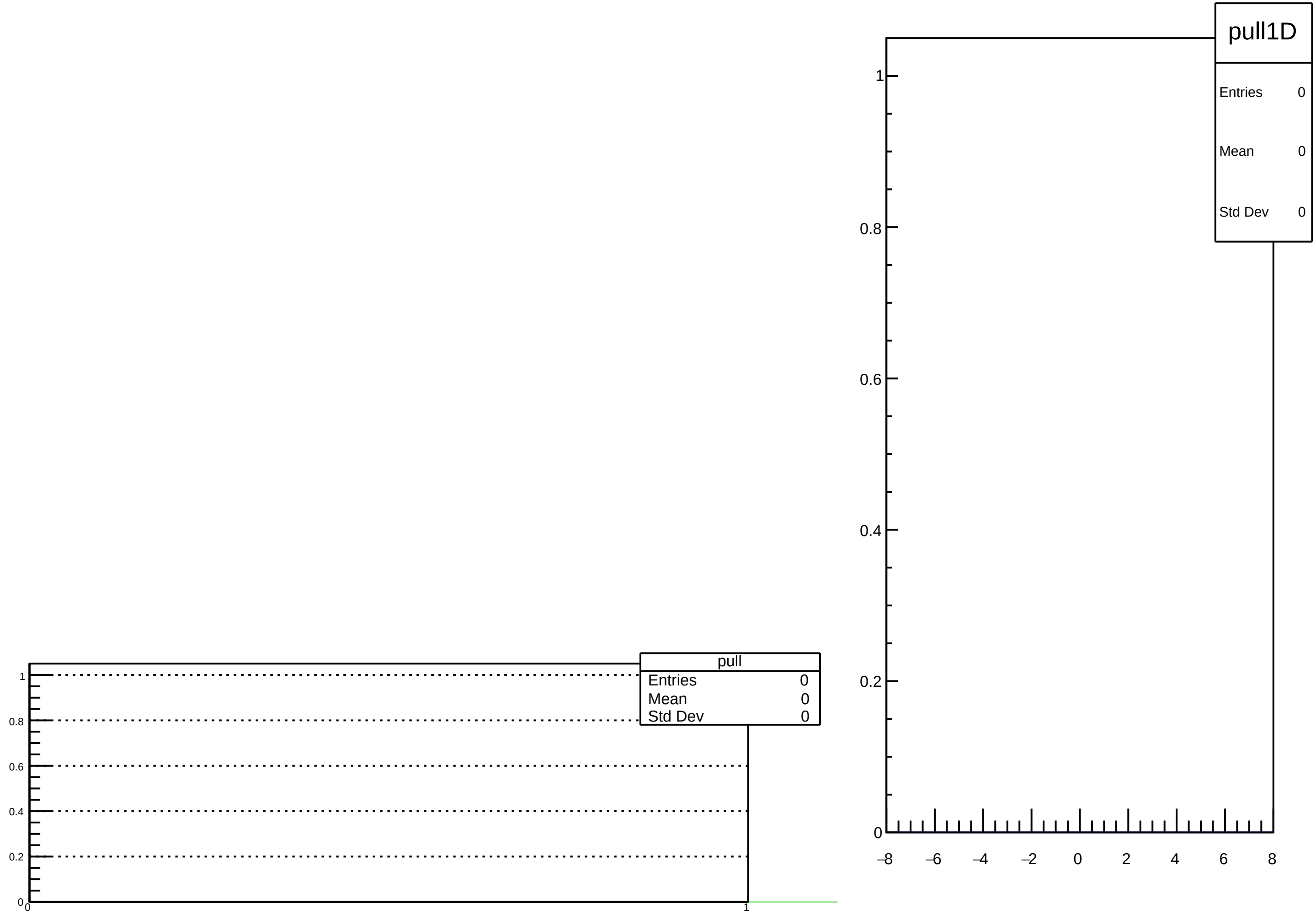
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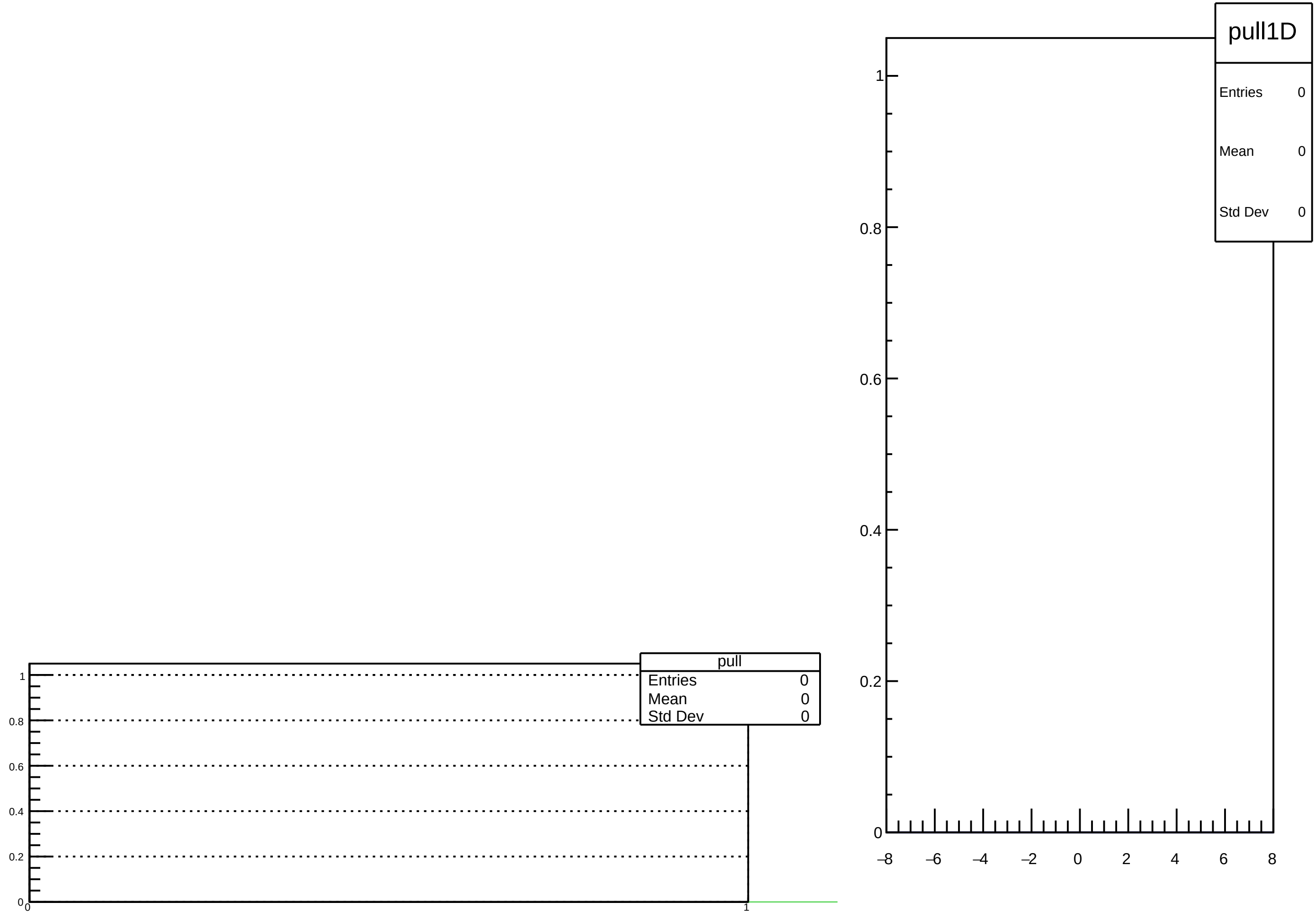
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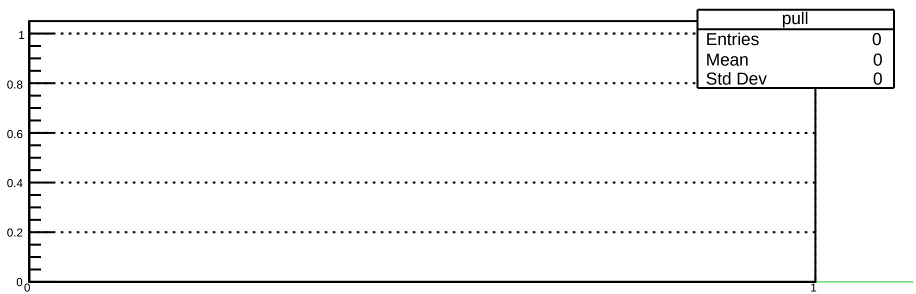
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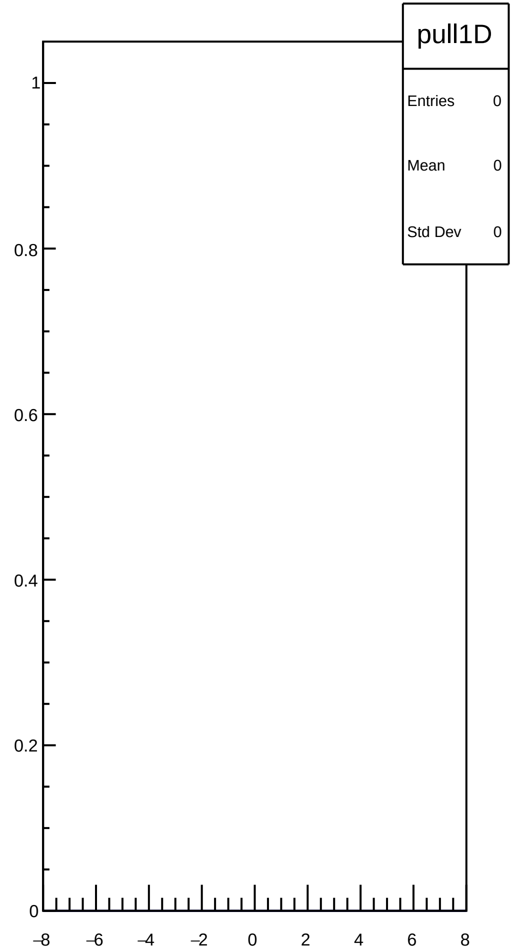
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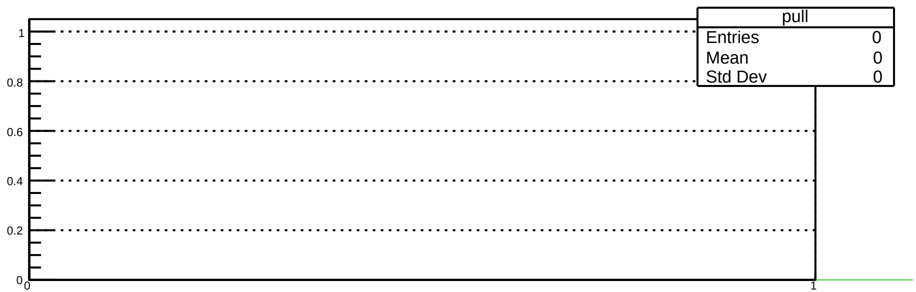
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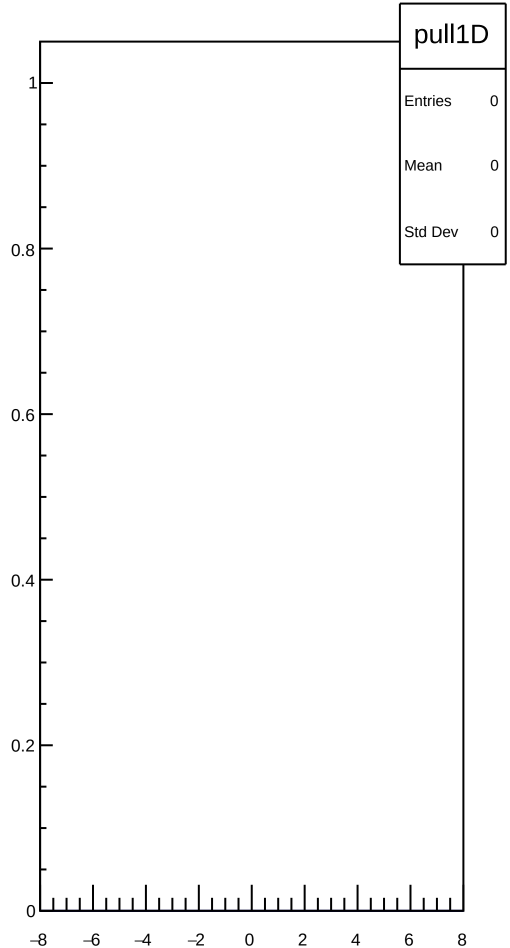
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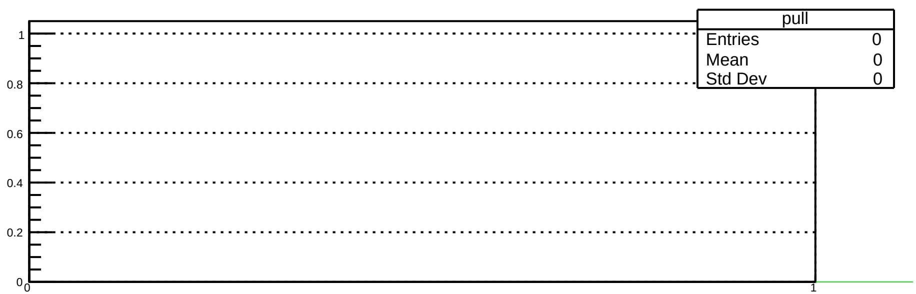

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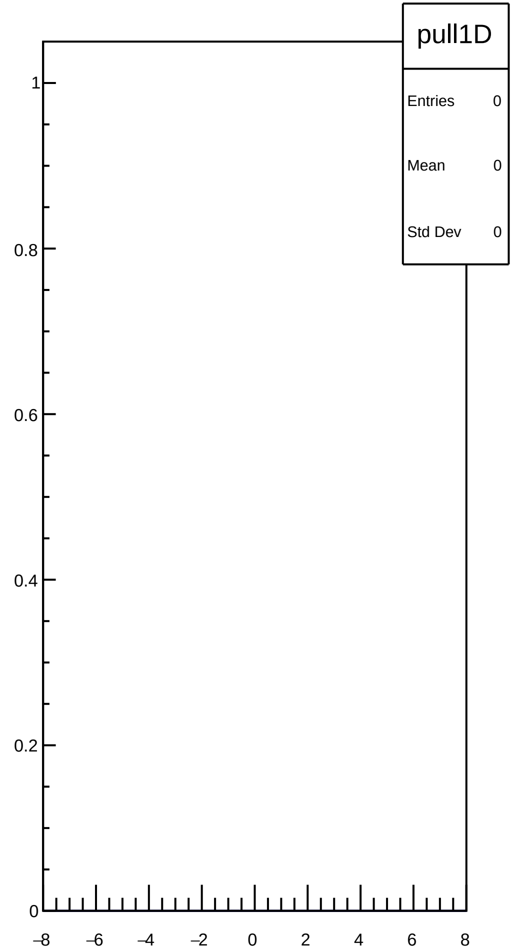

pull1D
Entries 0
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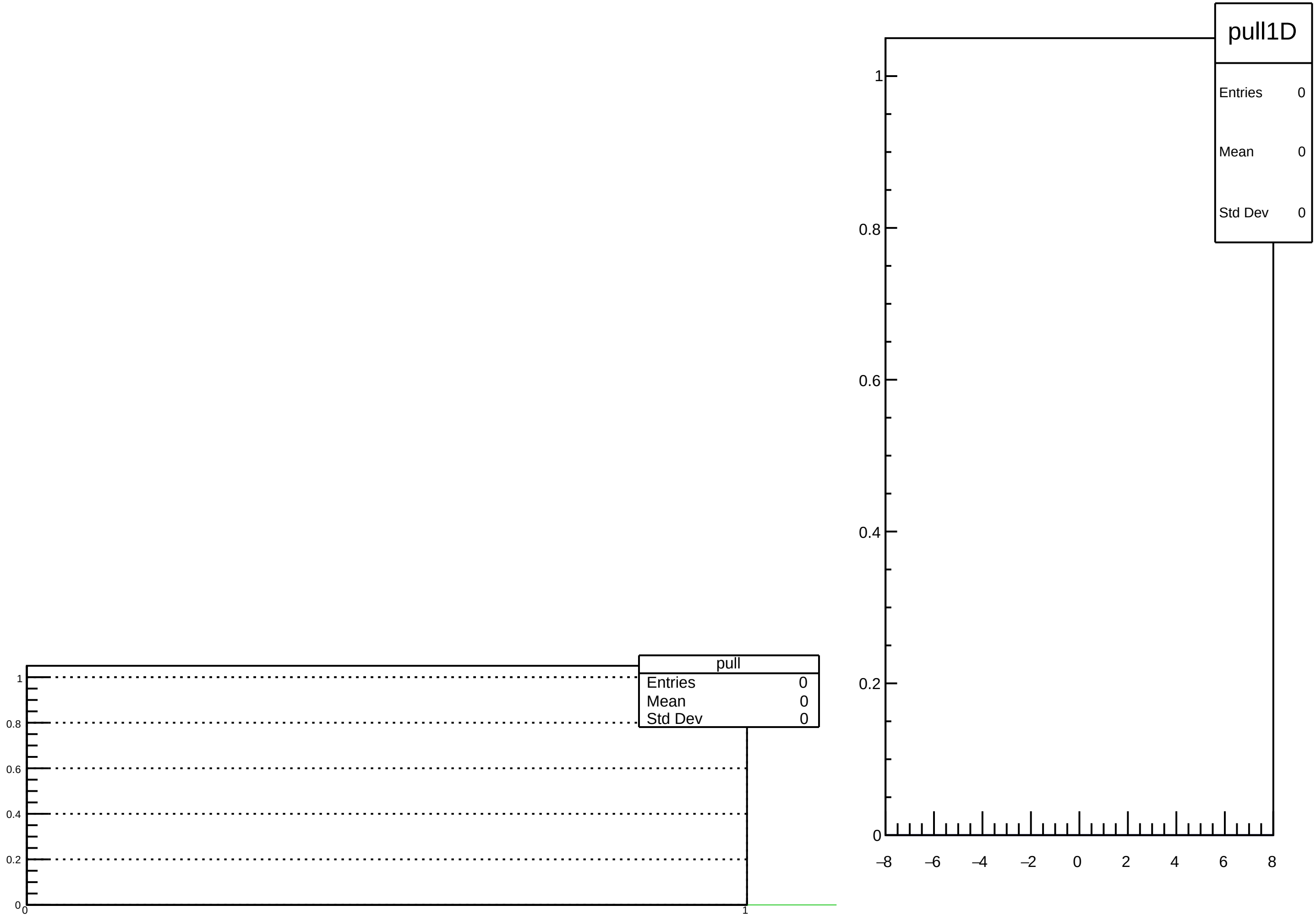
Std Dev 0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Std Dev 0
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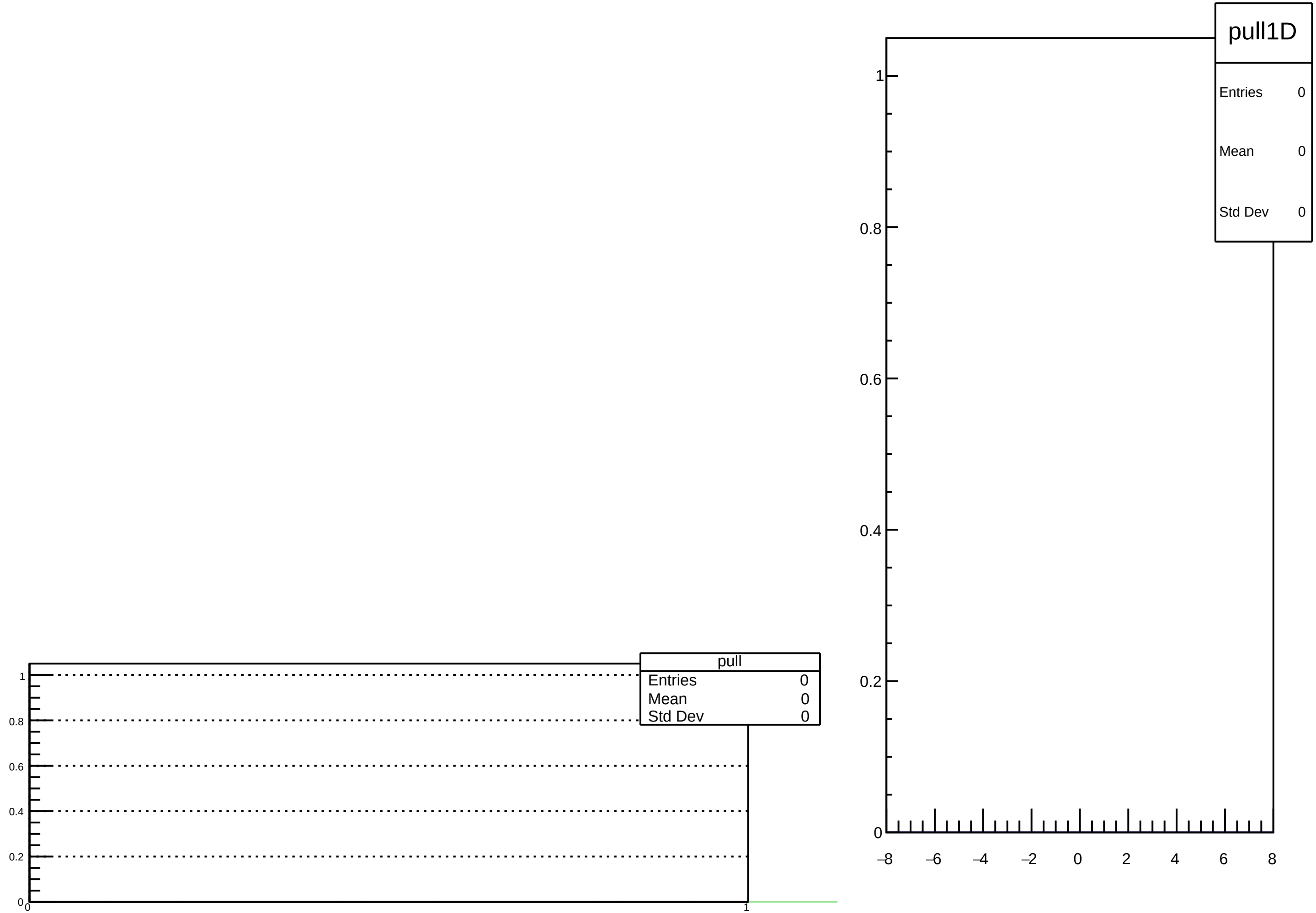
Entries 0
Mean 0
Std Dev 0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Std Dev 0
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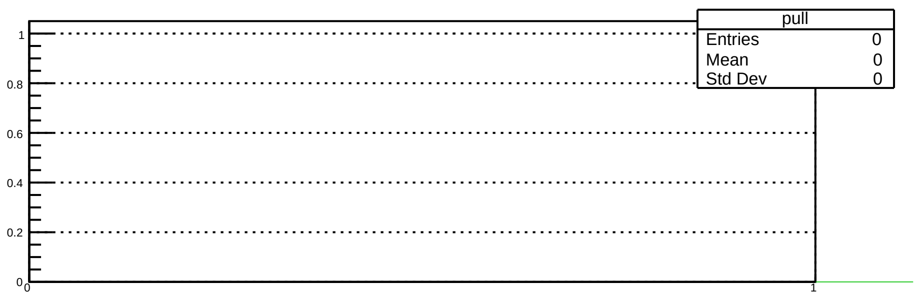
Entries 0
Mean 0
Std Dev 0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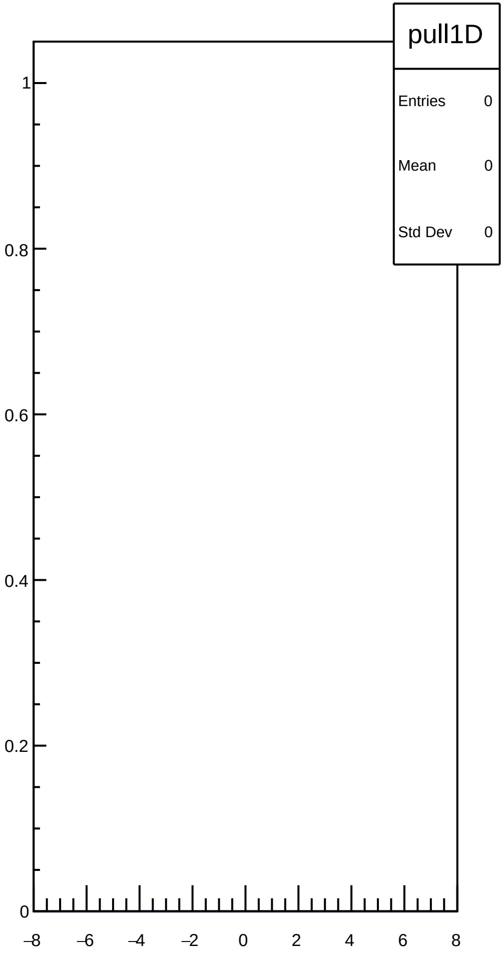
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Std Dev 0
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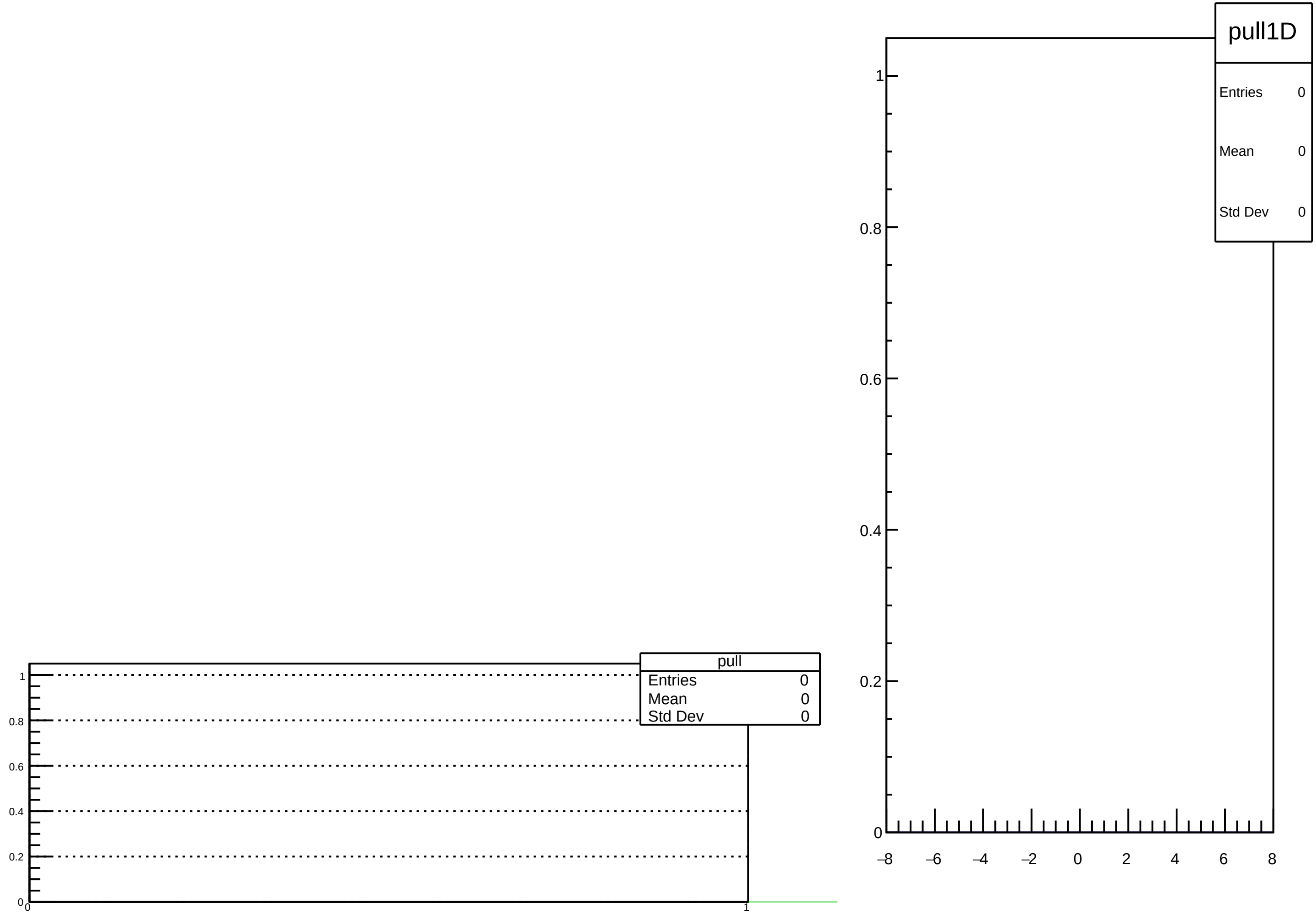
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Std Dev 0
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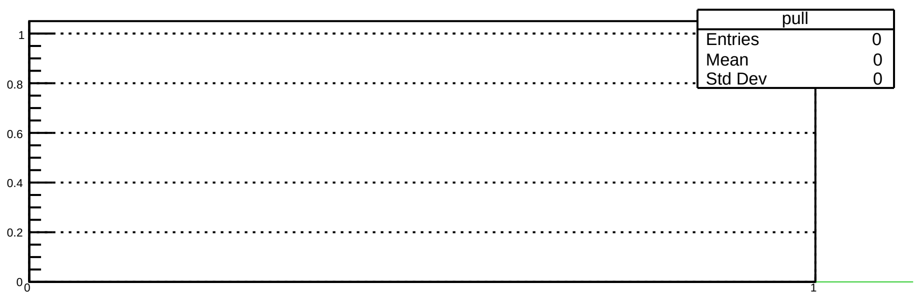
Entries 0
Mean 0
Std Dev 0



pull
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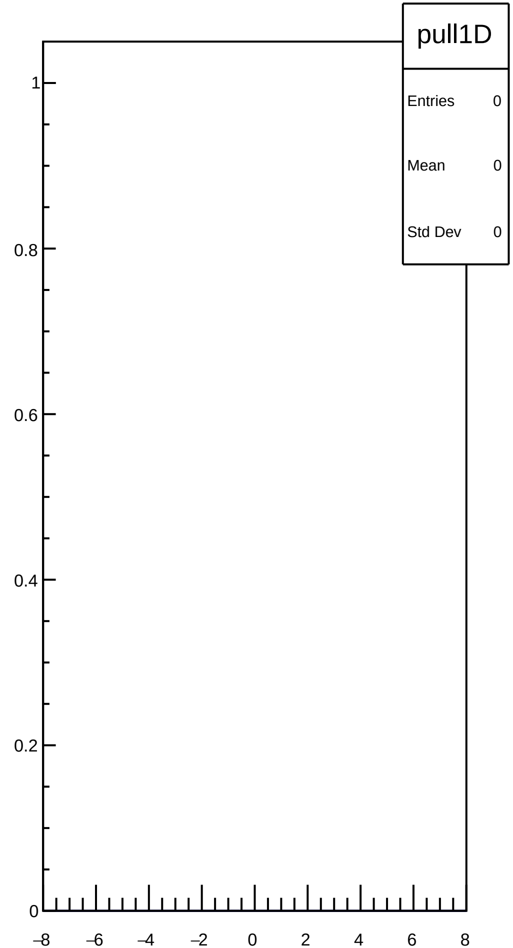
Mean 0
Std Dev 0



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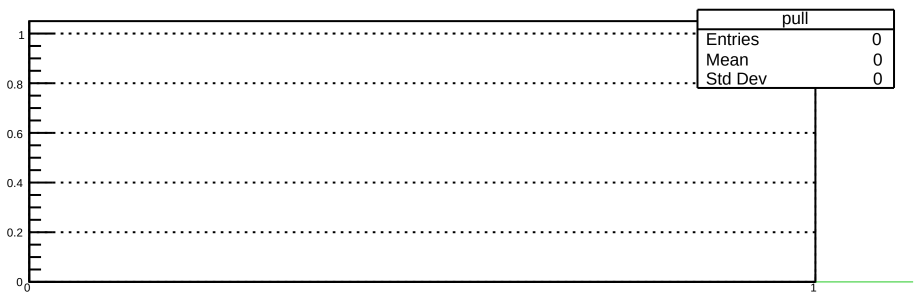
Std Dev 0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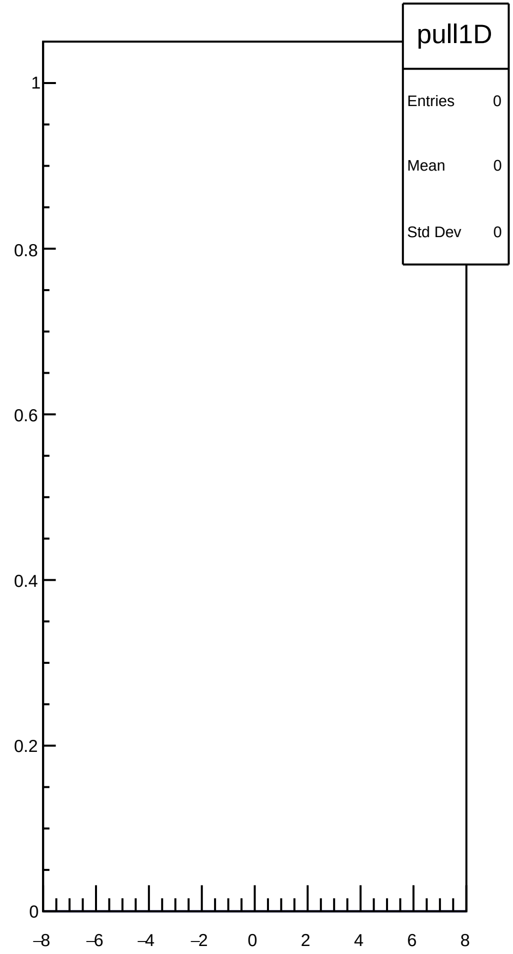
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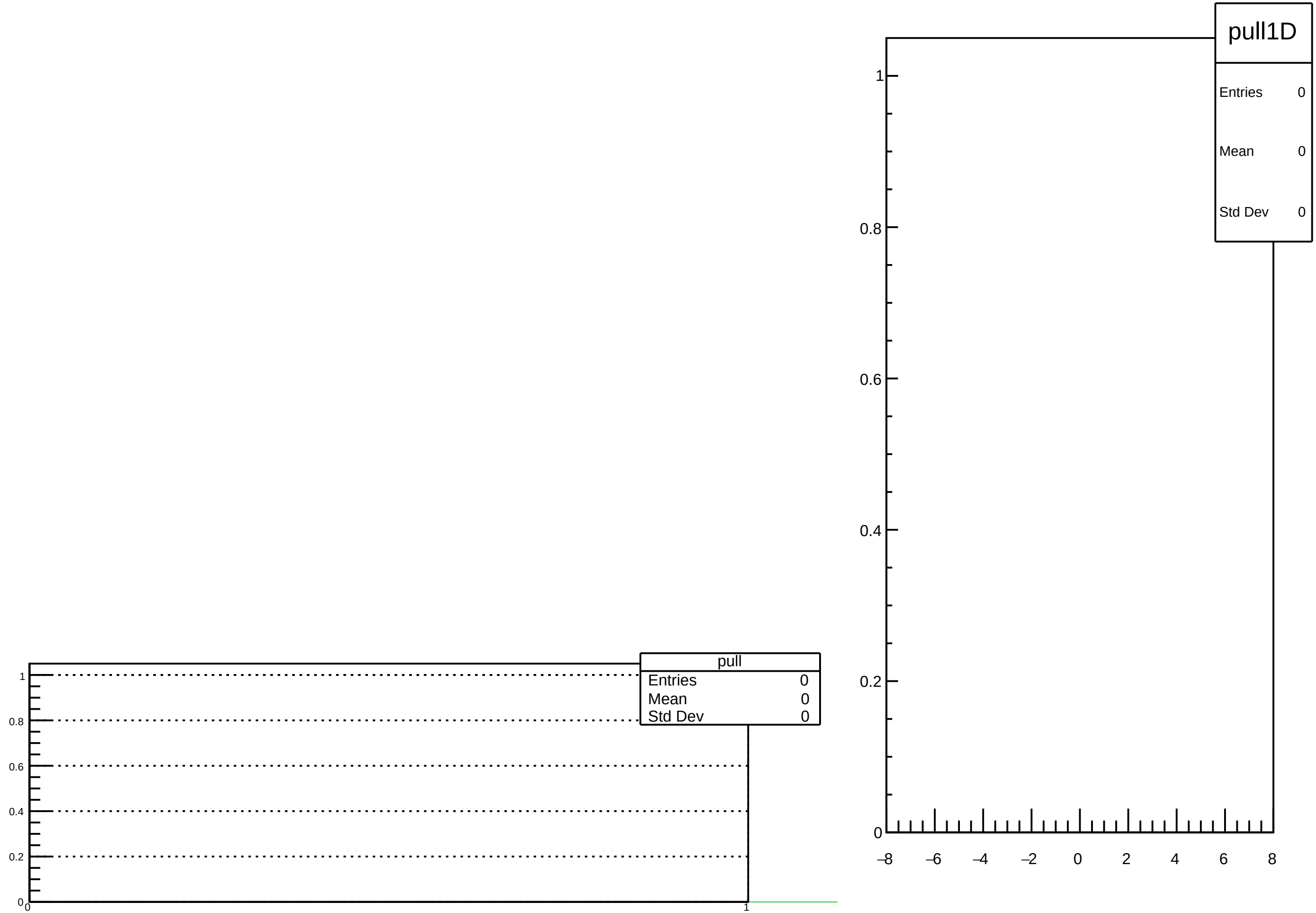
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Mean 0
Std Dev 0
pull1D
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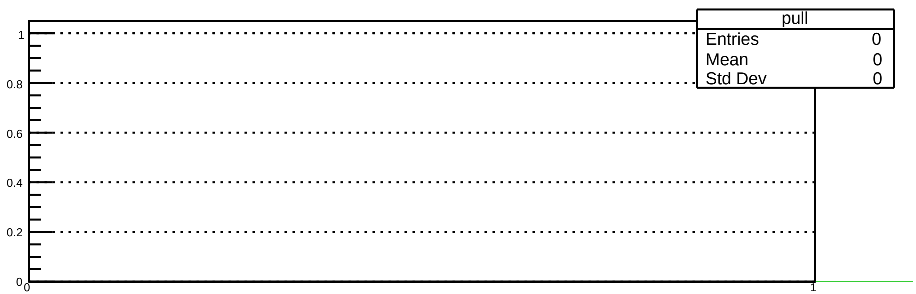
Mean 0
Std Dev 0


pull
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Std Dev 0
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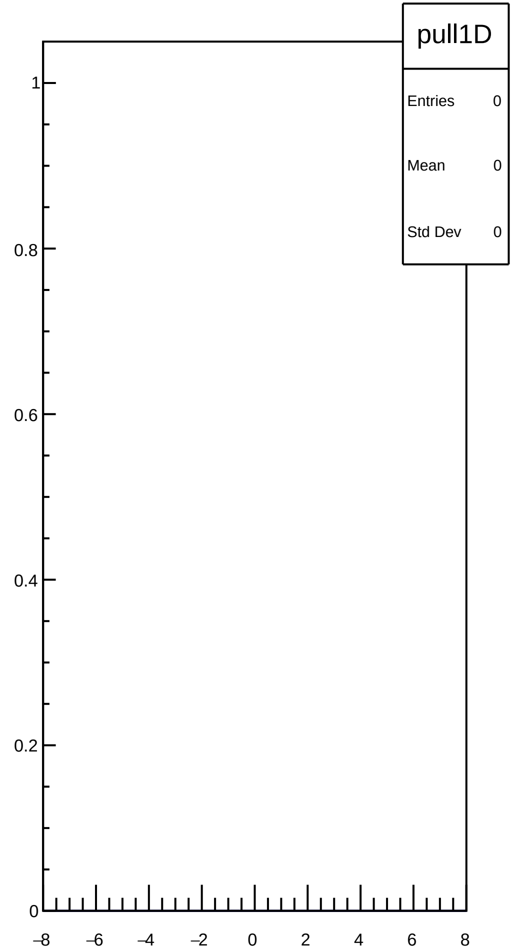
pull1D
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Std Dev 0
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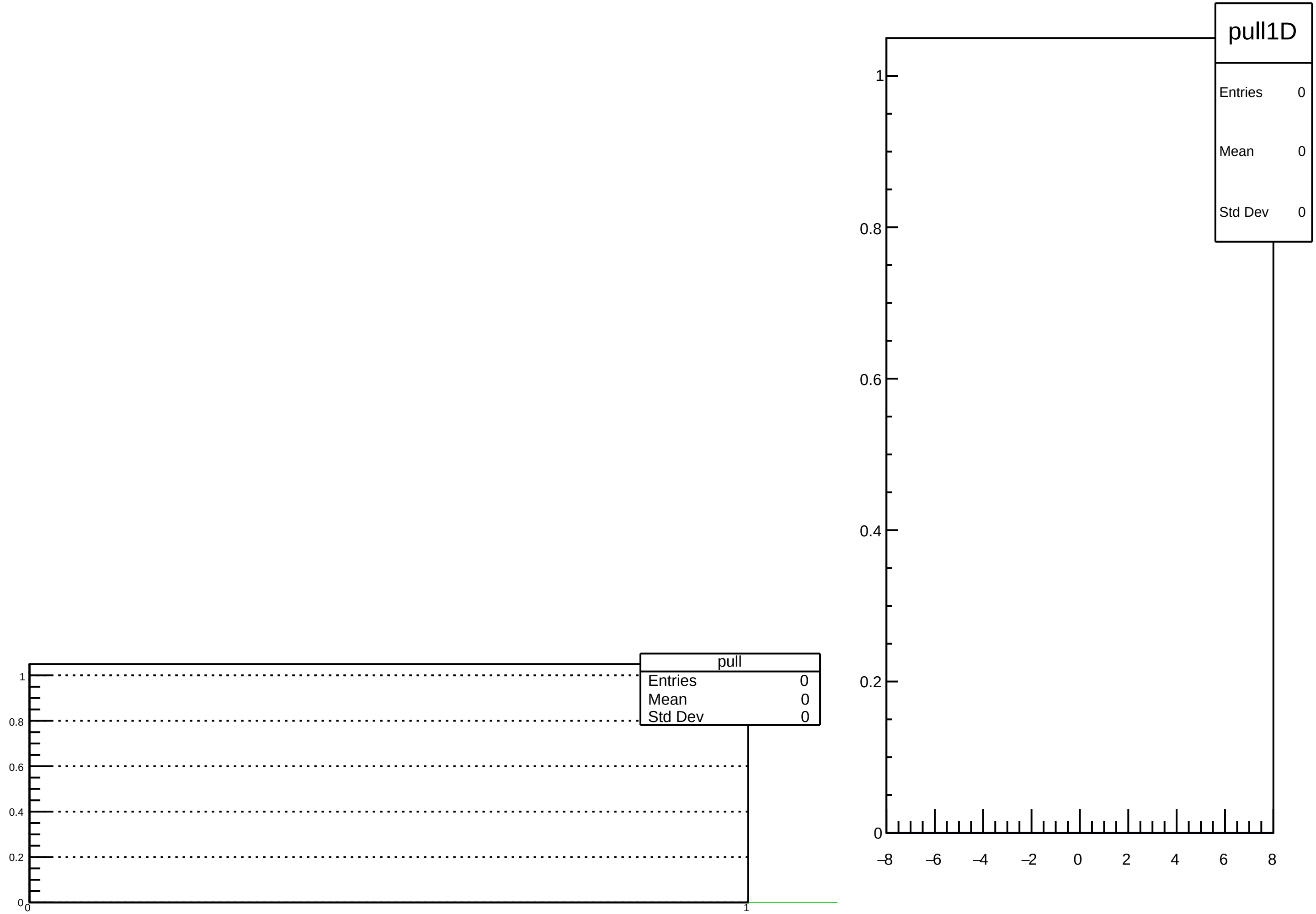
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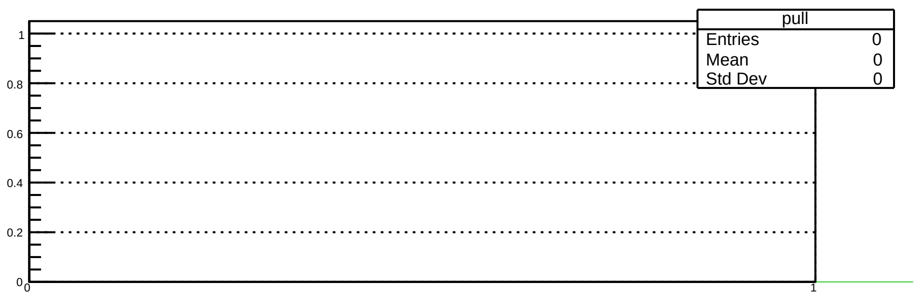
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0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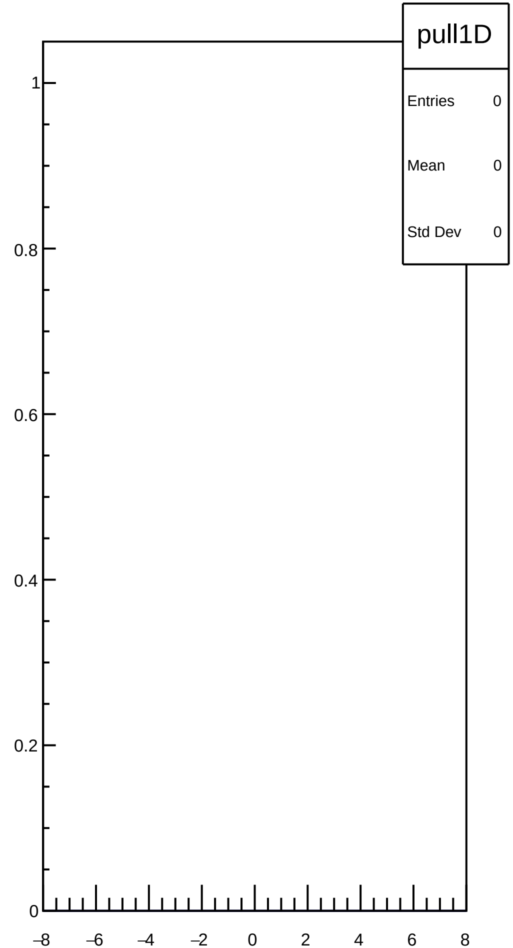
pull1D
Entries 0
Mean 0
Std Dev 0
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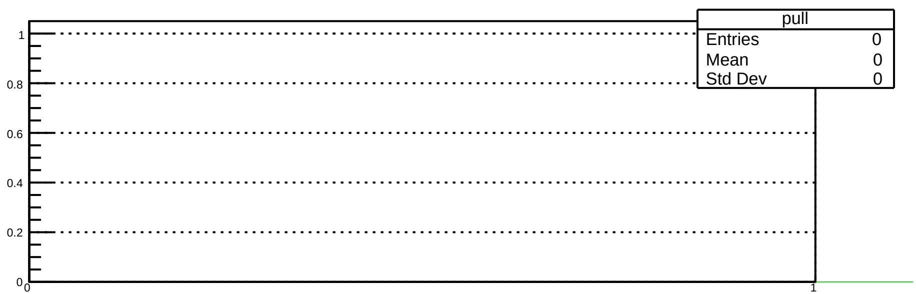
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Std Dev 0
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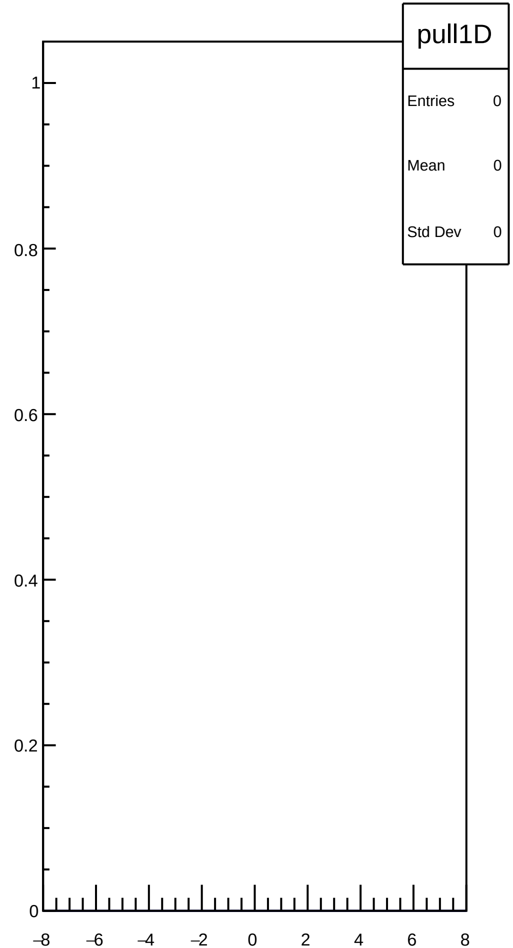
pull1D
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Mean 0
Std Dev 0
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0.6
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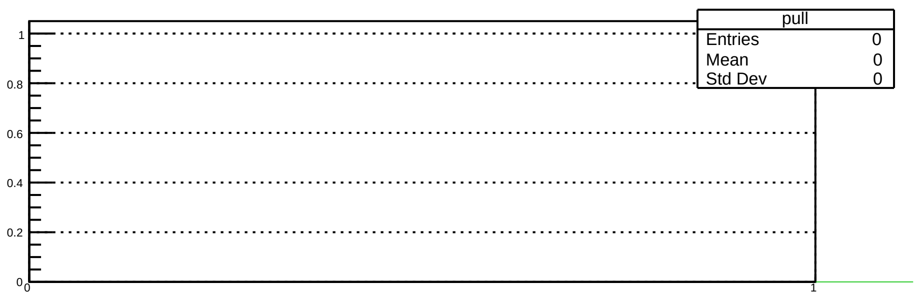
pull
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Mean 0
Std Dev 0
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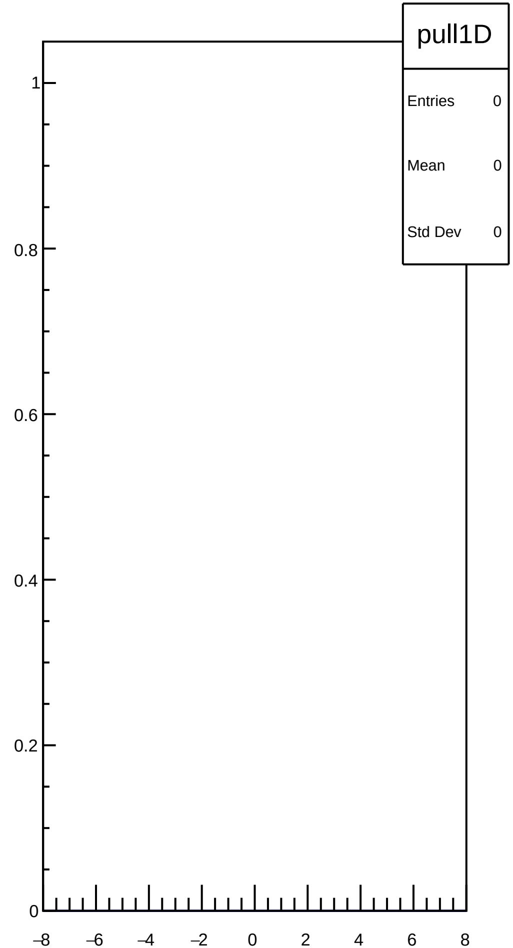
pull1D
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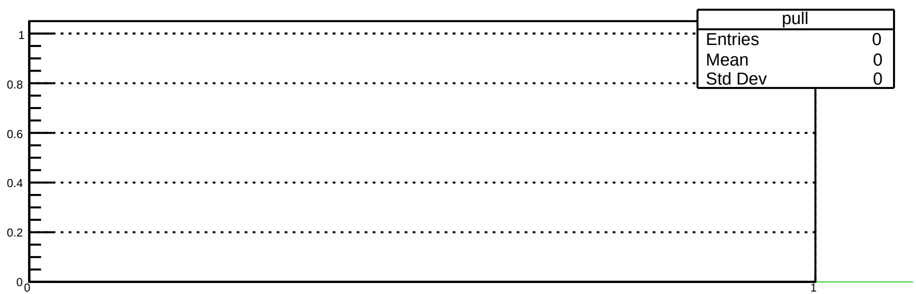
pull
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Mean 0
Std Dev 0
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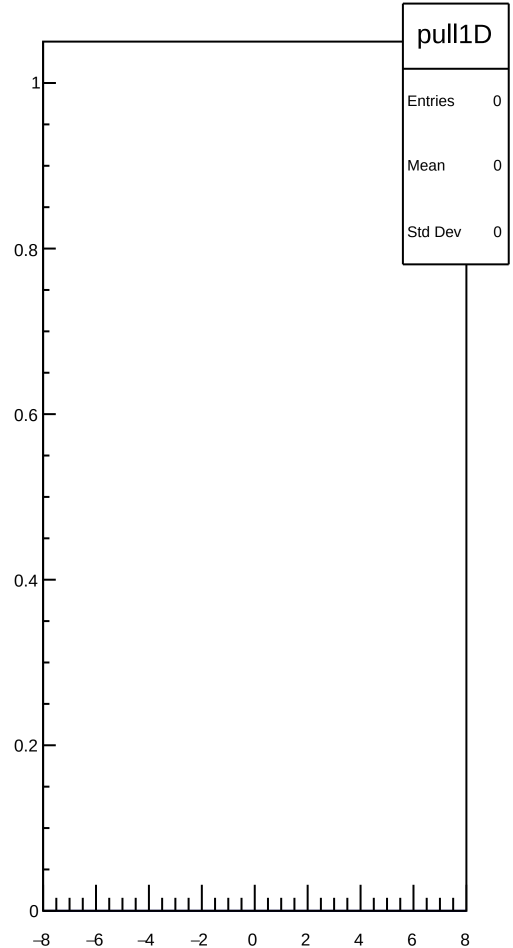
pull1D
Entries 0
Mean 0
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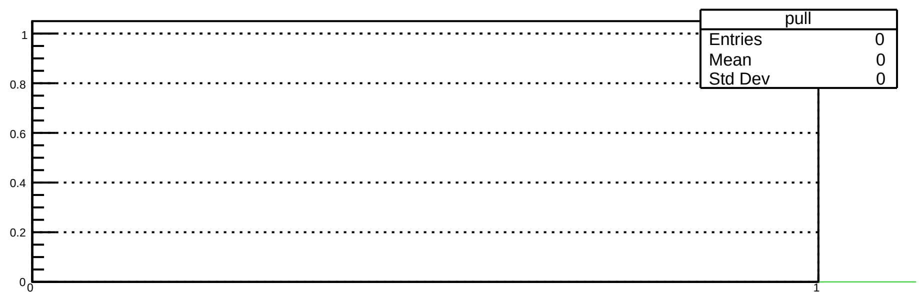
pull
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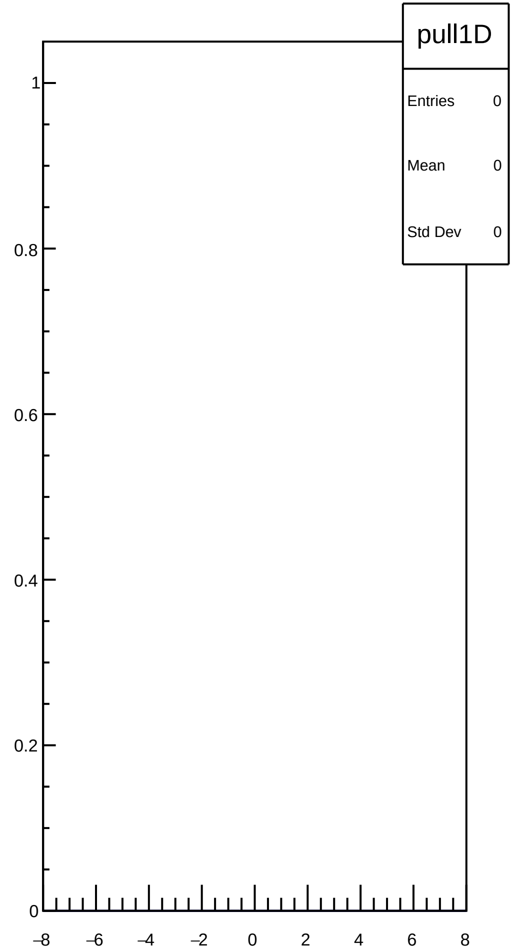
pull1D
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Mean 0
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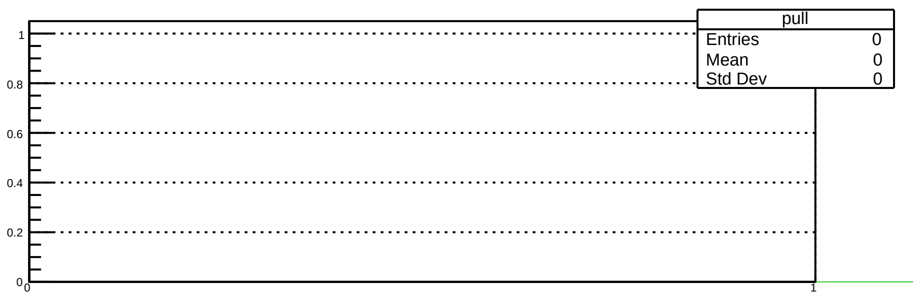
pull
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Mean 0
Std Dev 0
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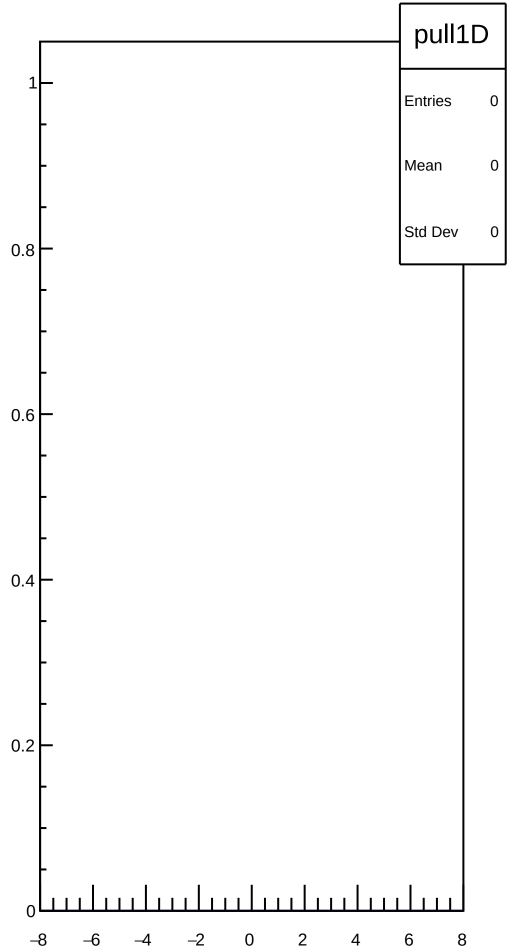
pull1D
Entries 0
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Std Dev 0
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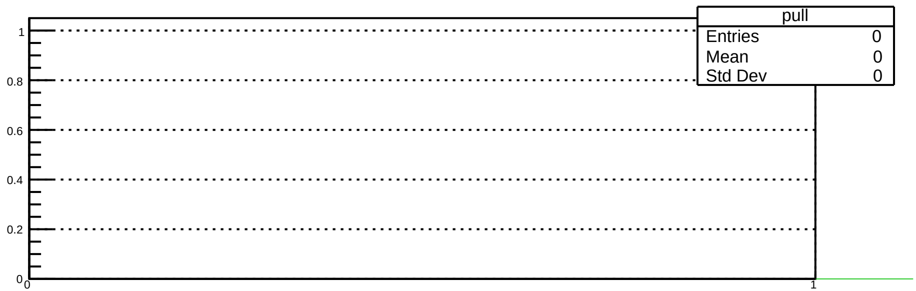
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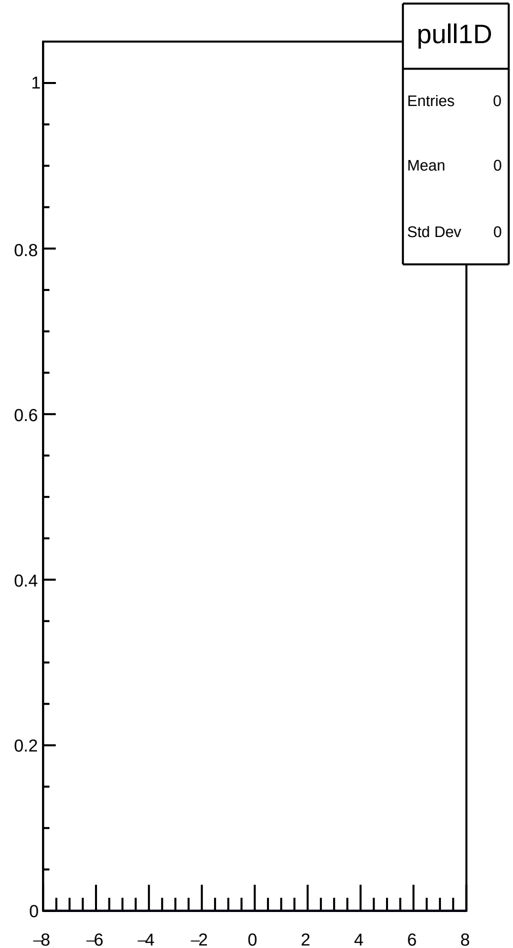
pull1D
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Mean 0
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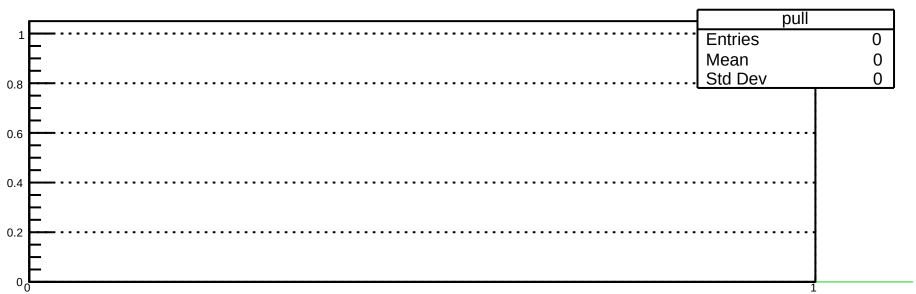
pull
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Std Dev 0
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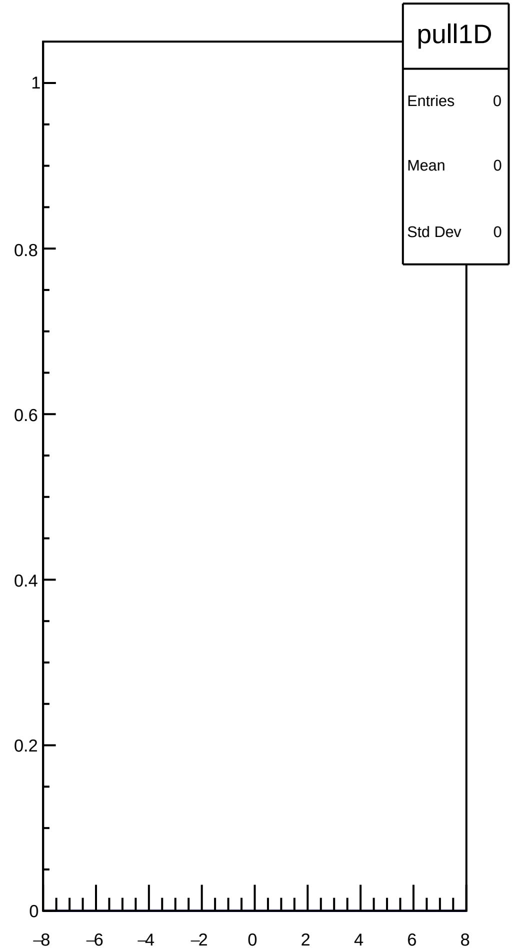
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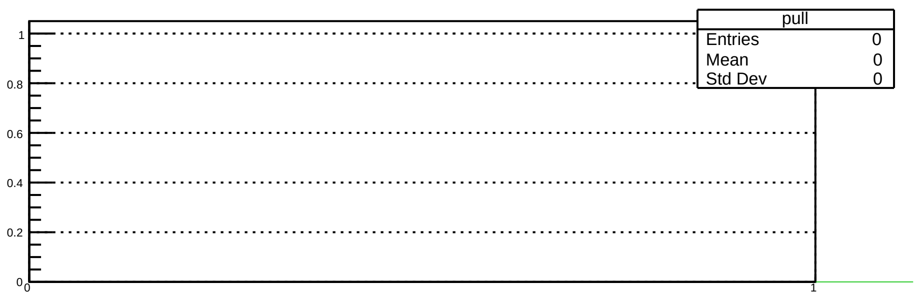
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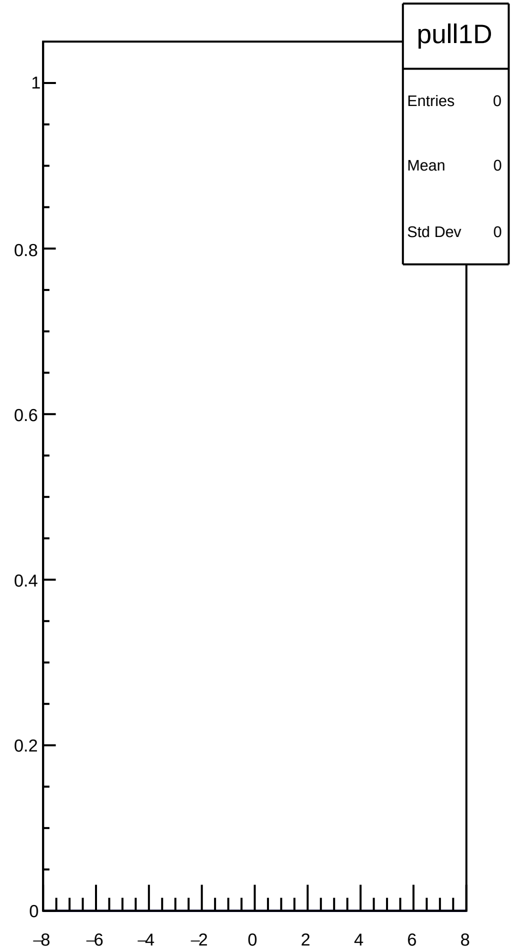
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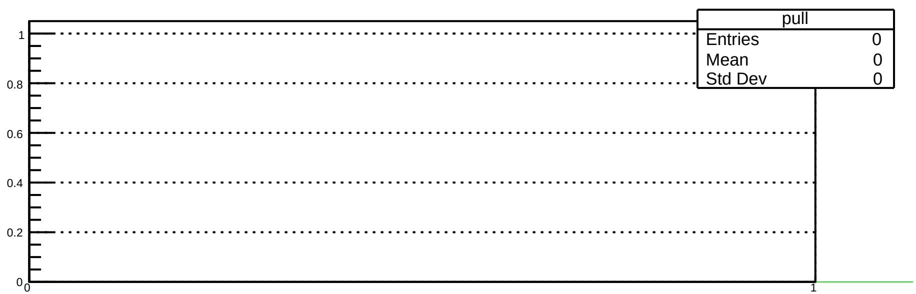
pull
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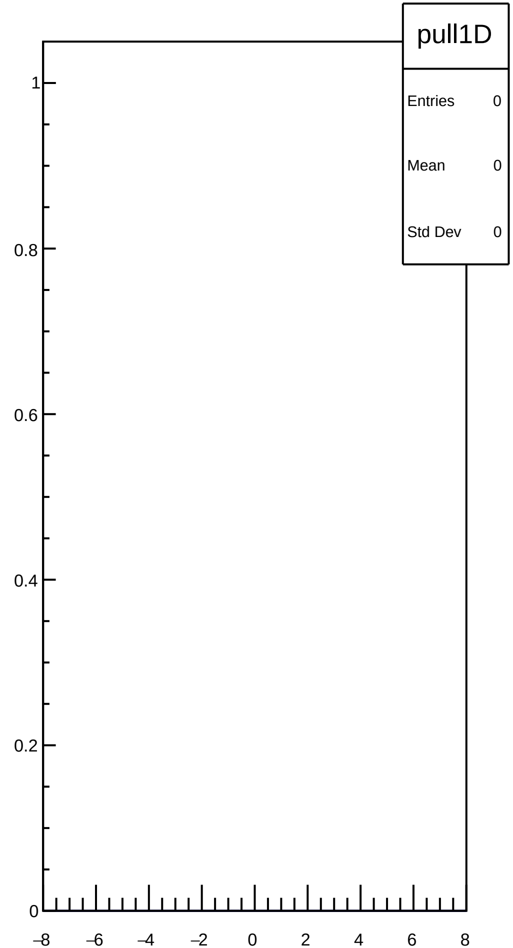
Std Dev 0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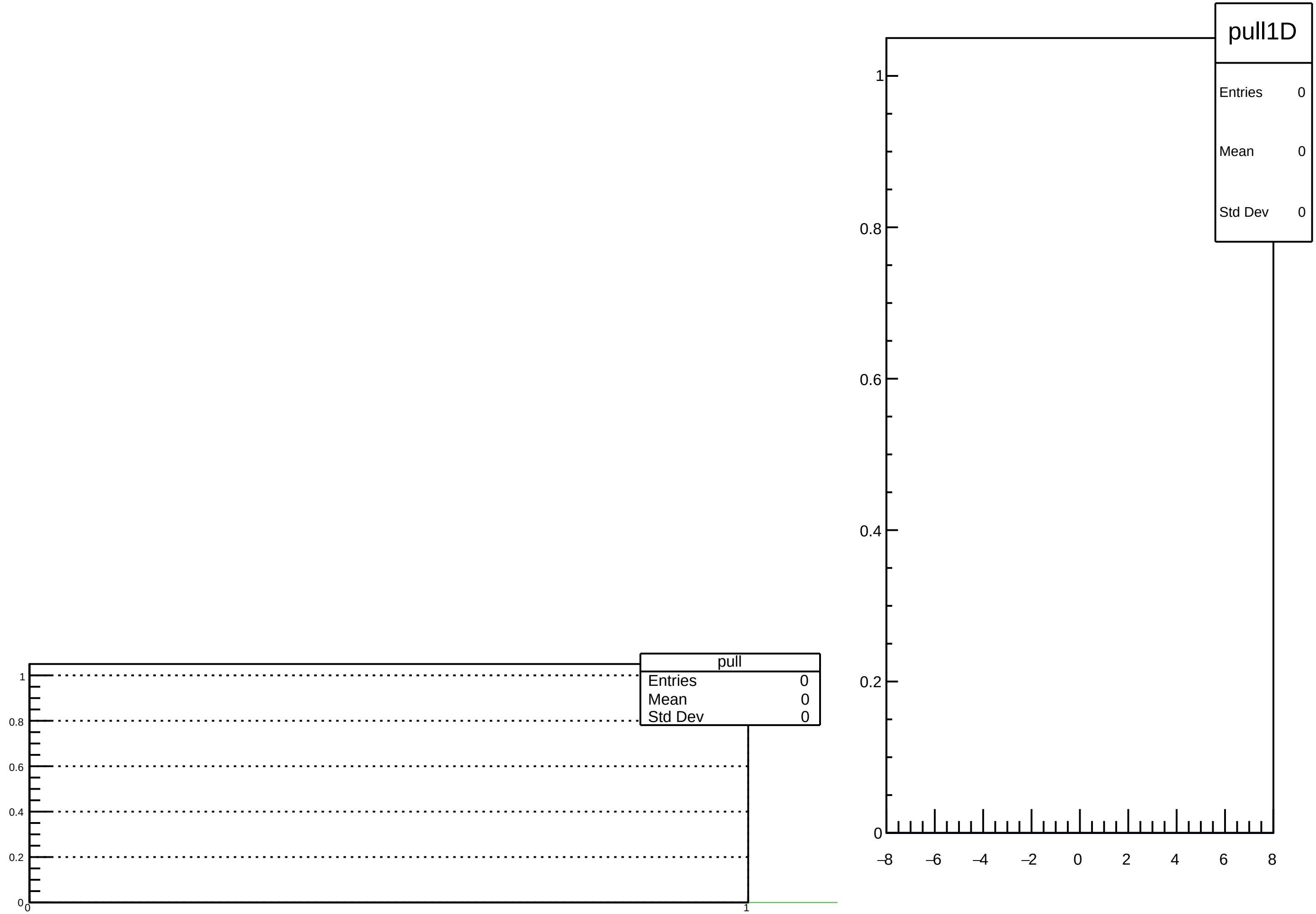

pull
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Std Dev 0
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pull1D
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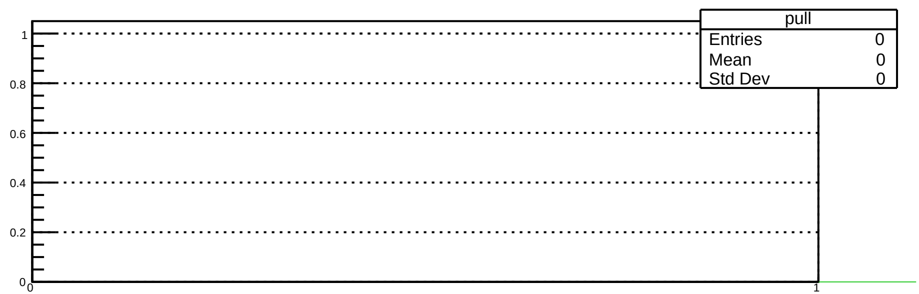

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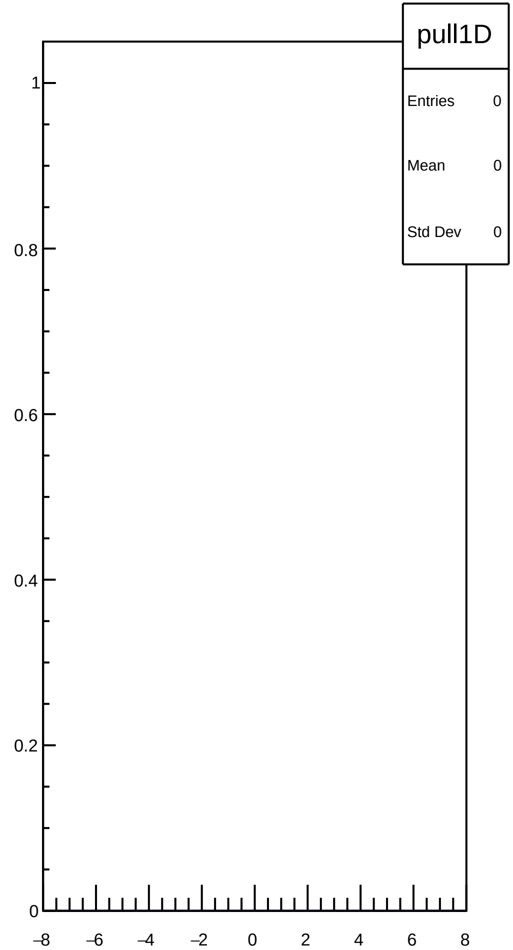

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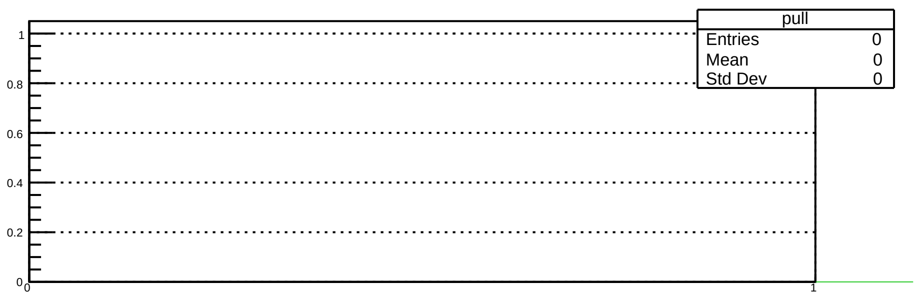
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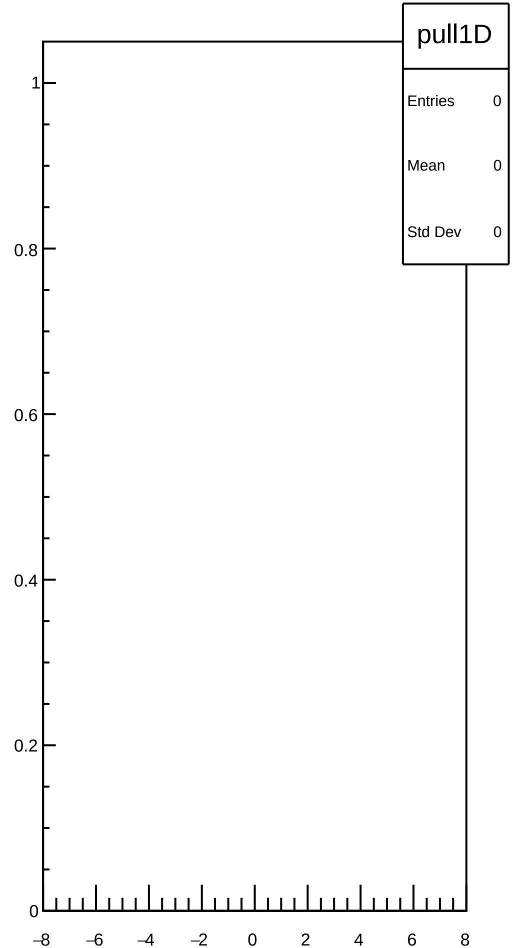
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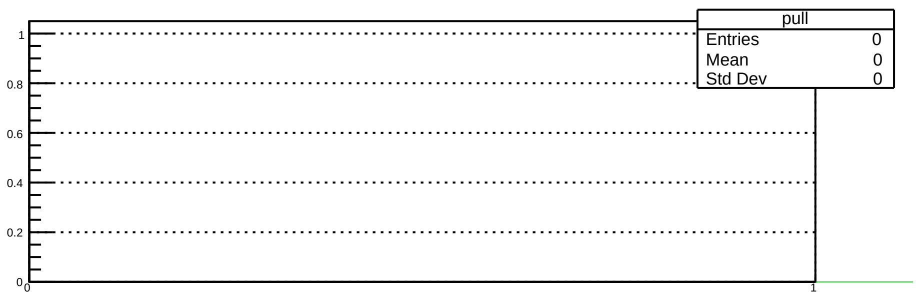
pull
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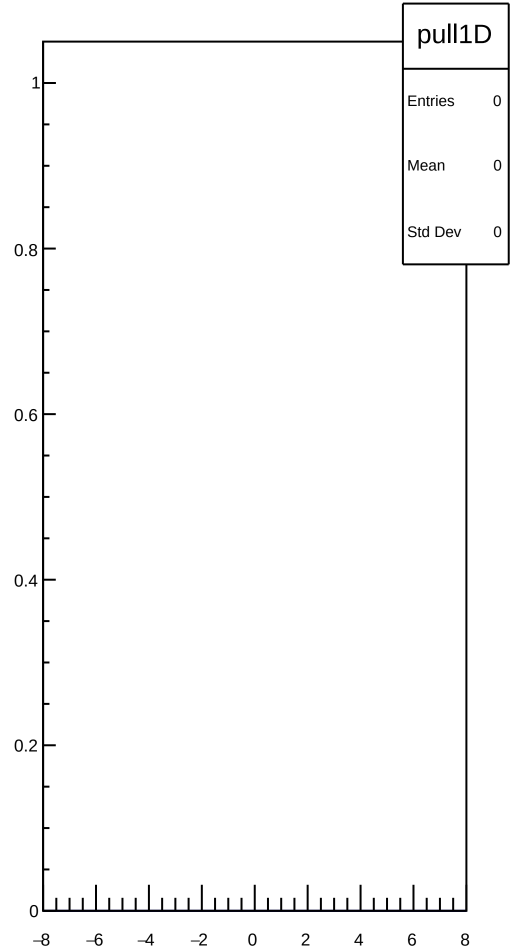
pull1D
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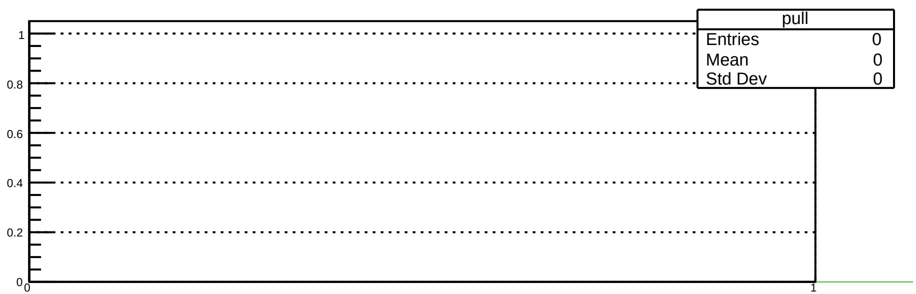

pull
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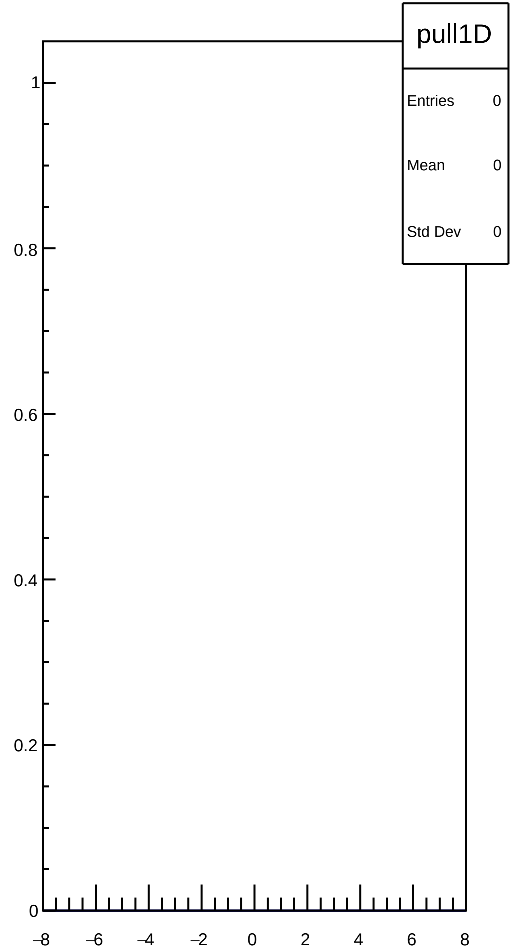

pull1D
Entries 0
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Std Dev 0
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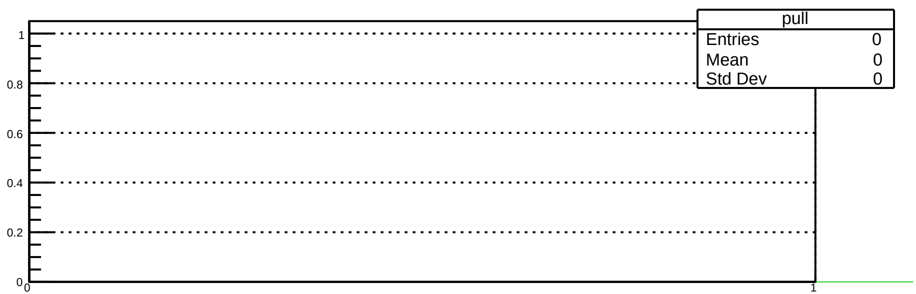
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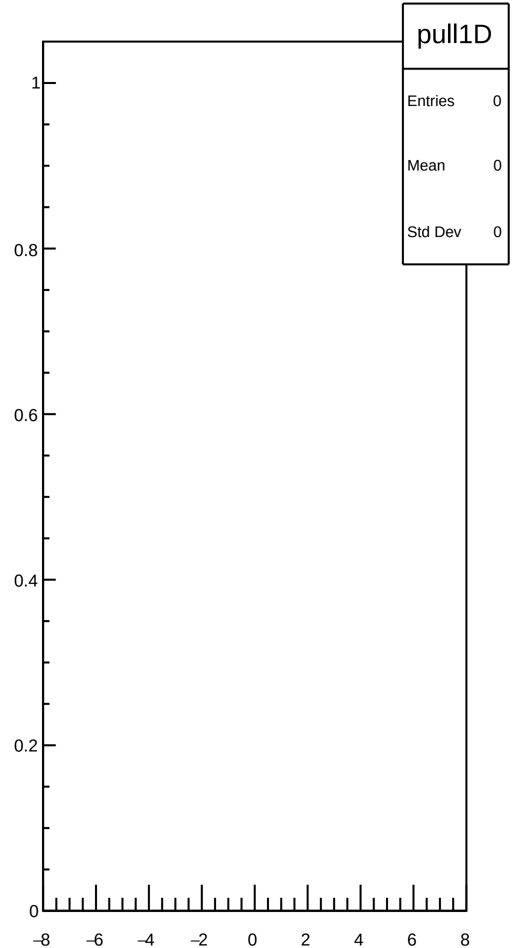
Mean 0
Std Dev 0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Entries 0
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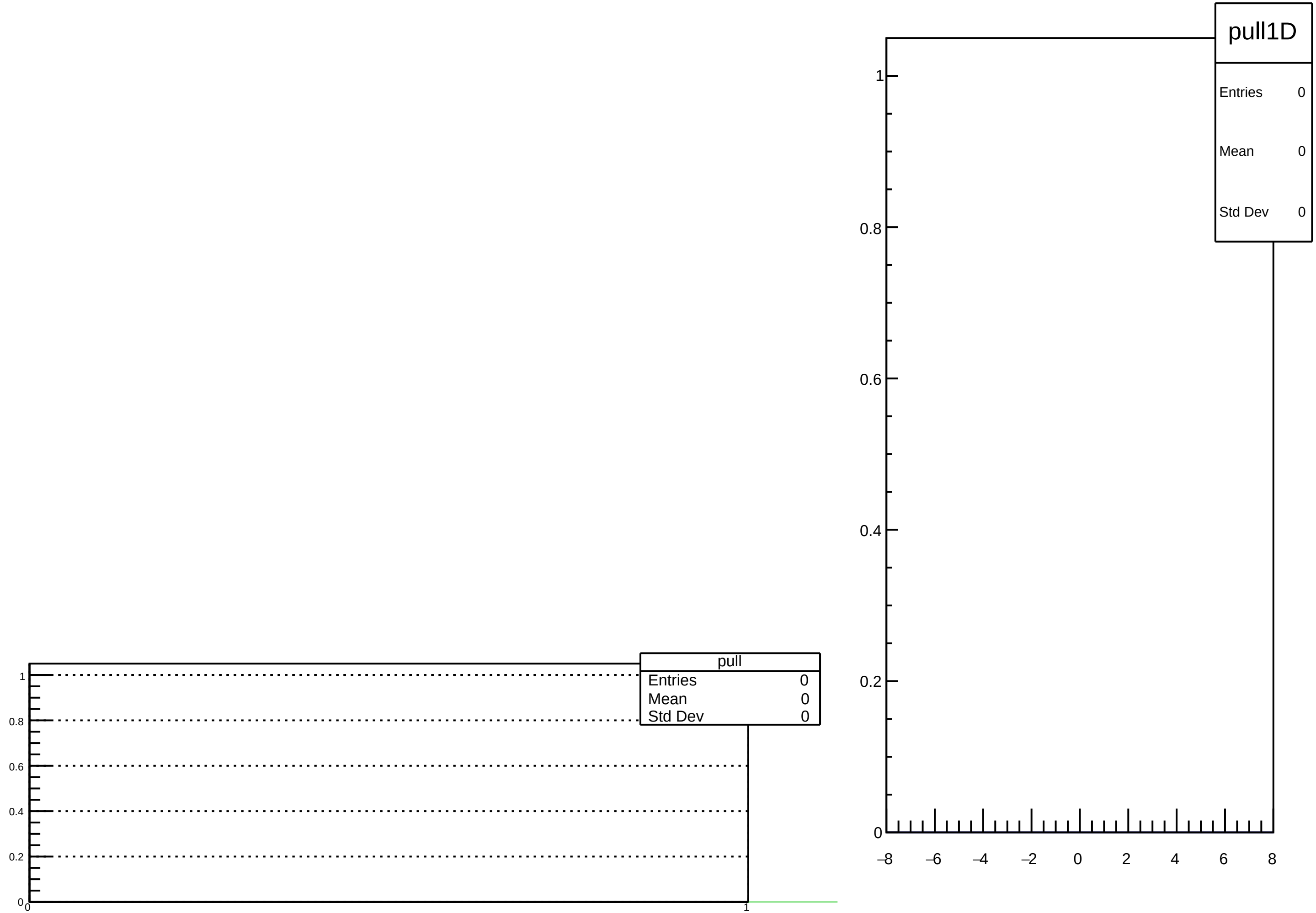
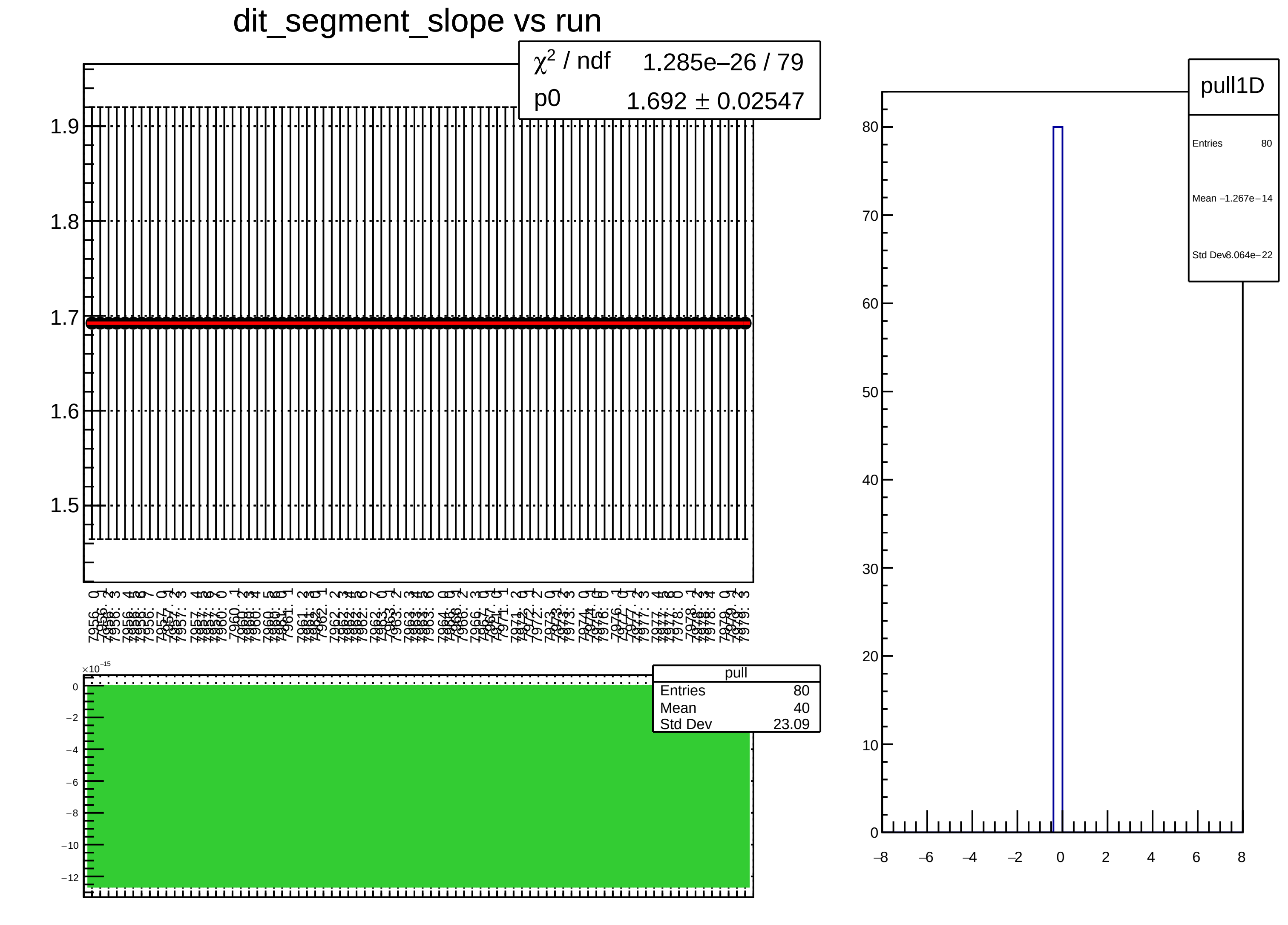
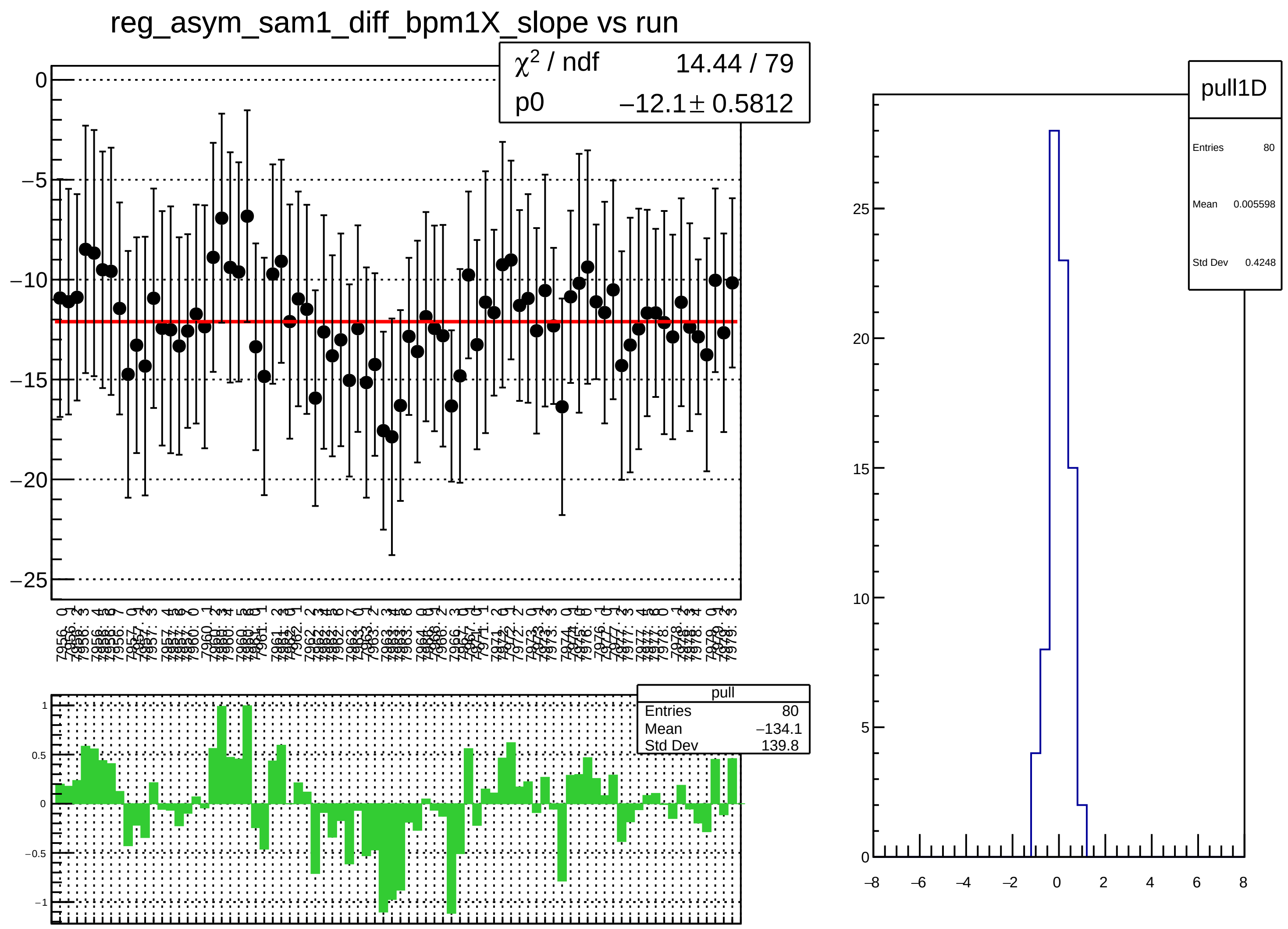
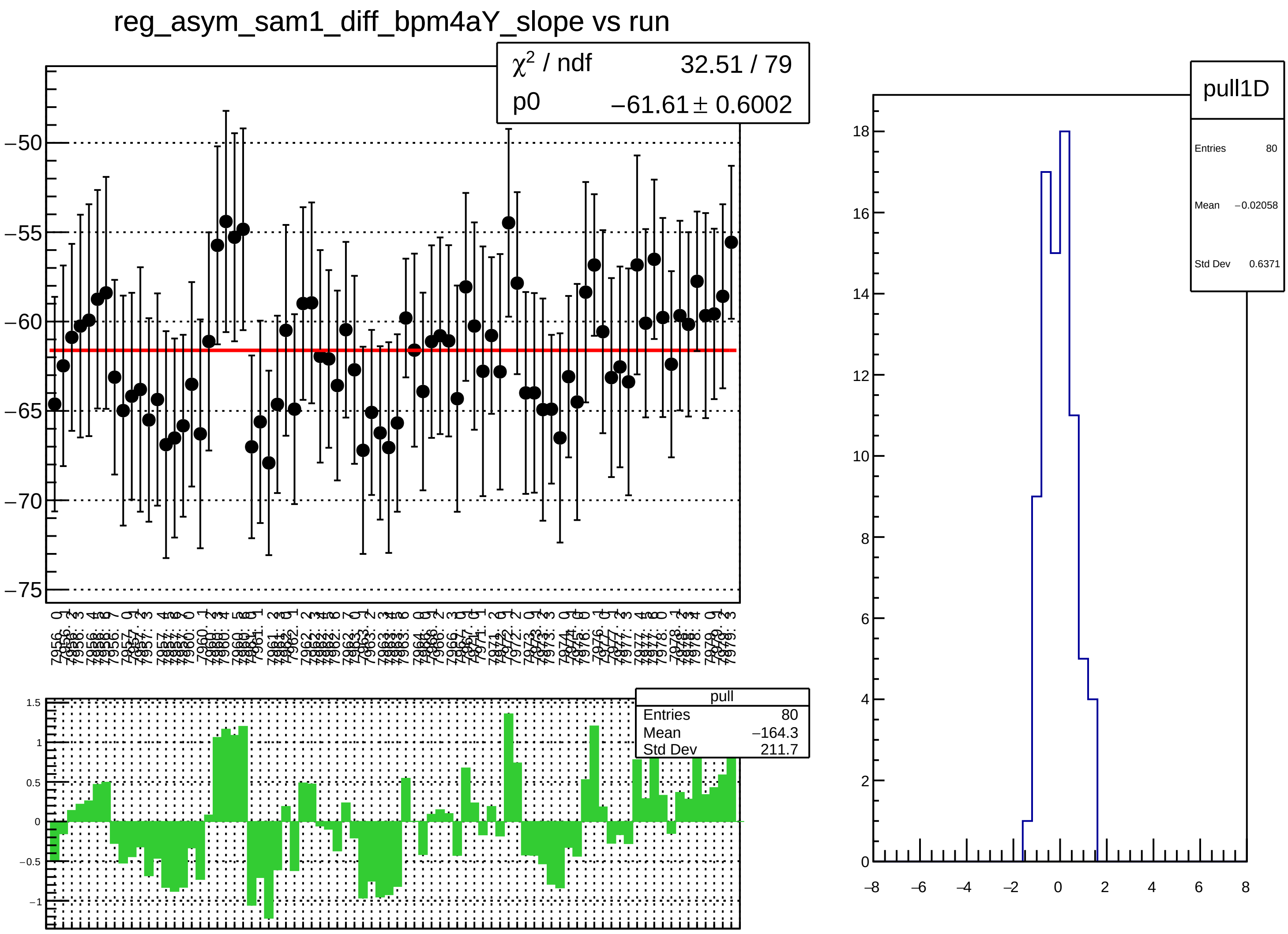
Std Dev 0


pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0

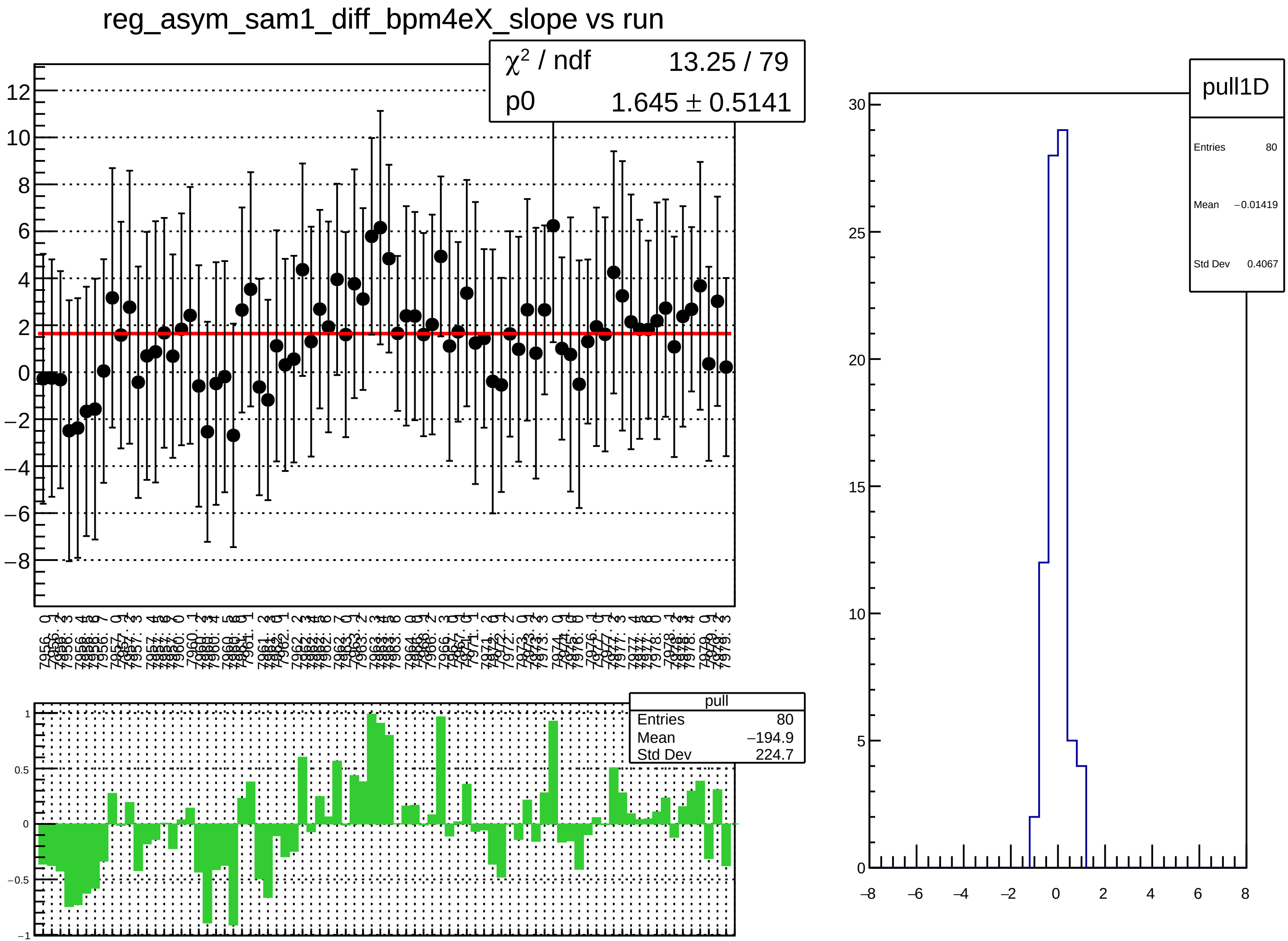

dit_segment_slope vs run
χ^2 / ndf 1.285e−26 / 79
p0 1.692 ± 0.02547
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.267e−14
Std Dev 8.064e−22



reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / 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

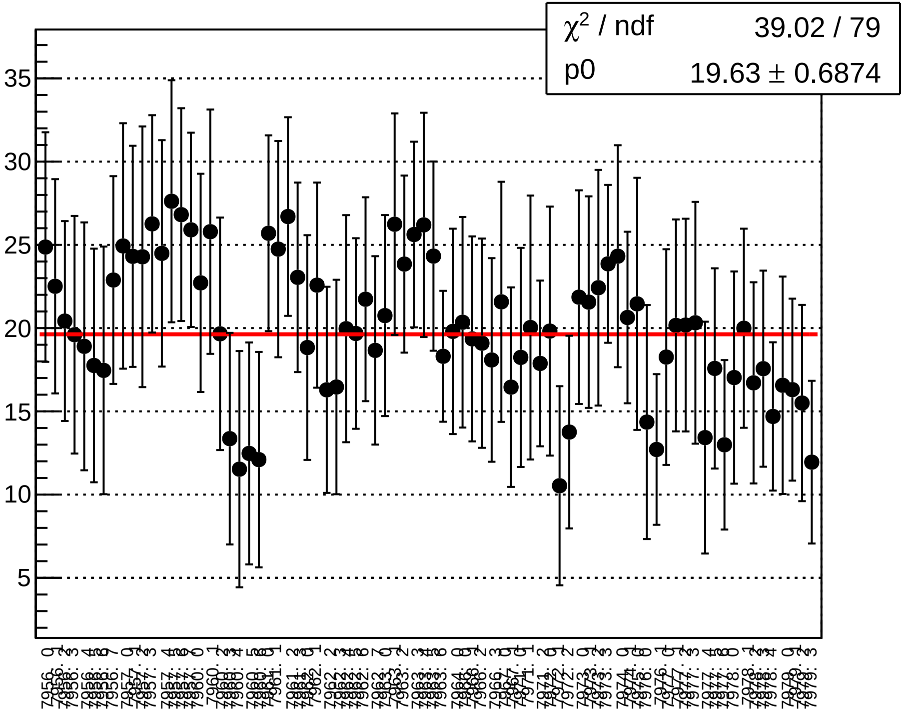


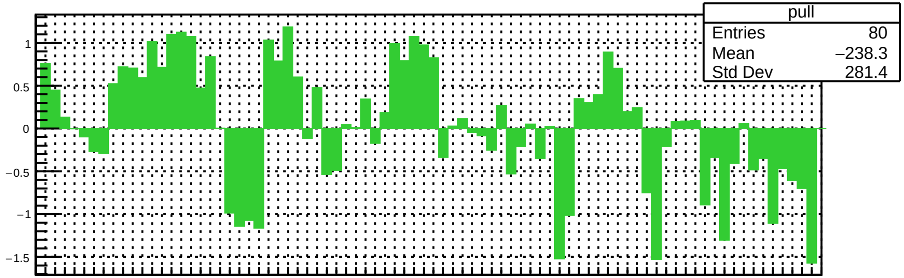
reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 32.51 / 79
p0 −61.61 ± 0.6002
pull
Entries 80
Mean −164.3
Std Dev 211.7
pull1D
Entries 80
Mean −0.02058
Std Dev 0.6371

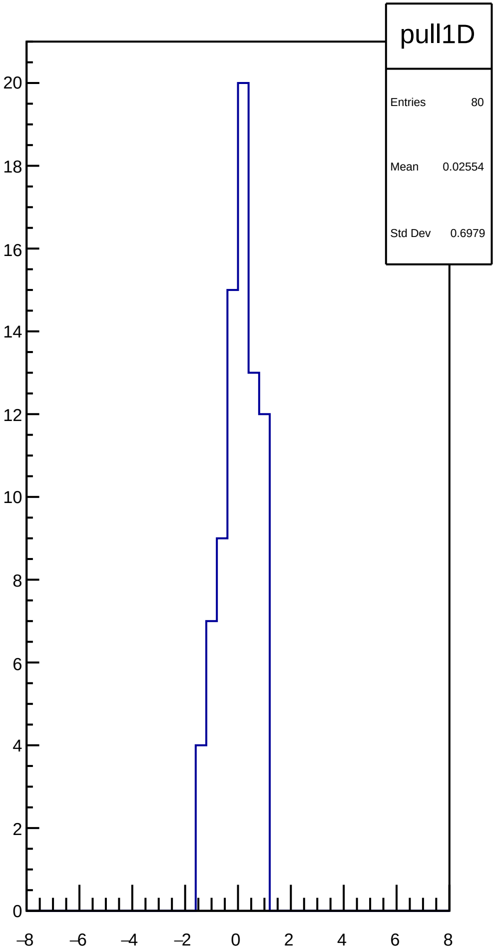


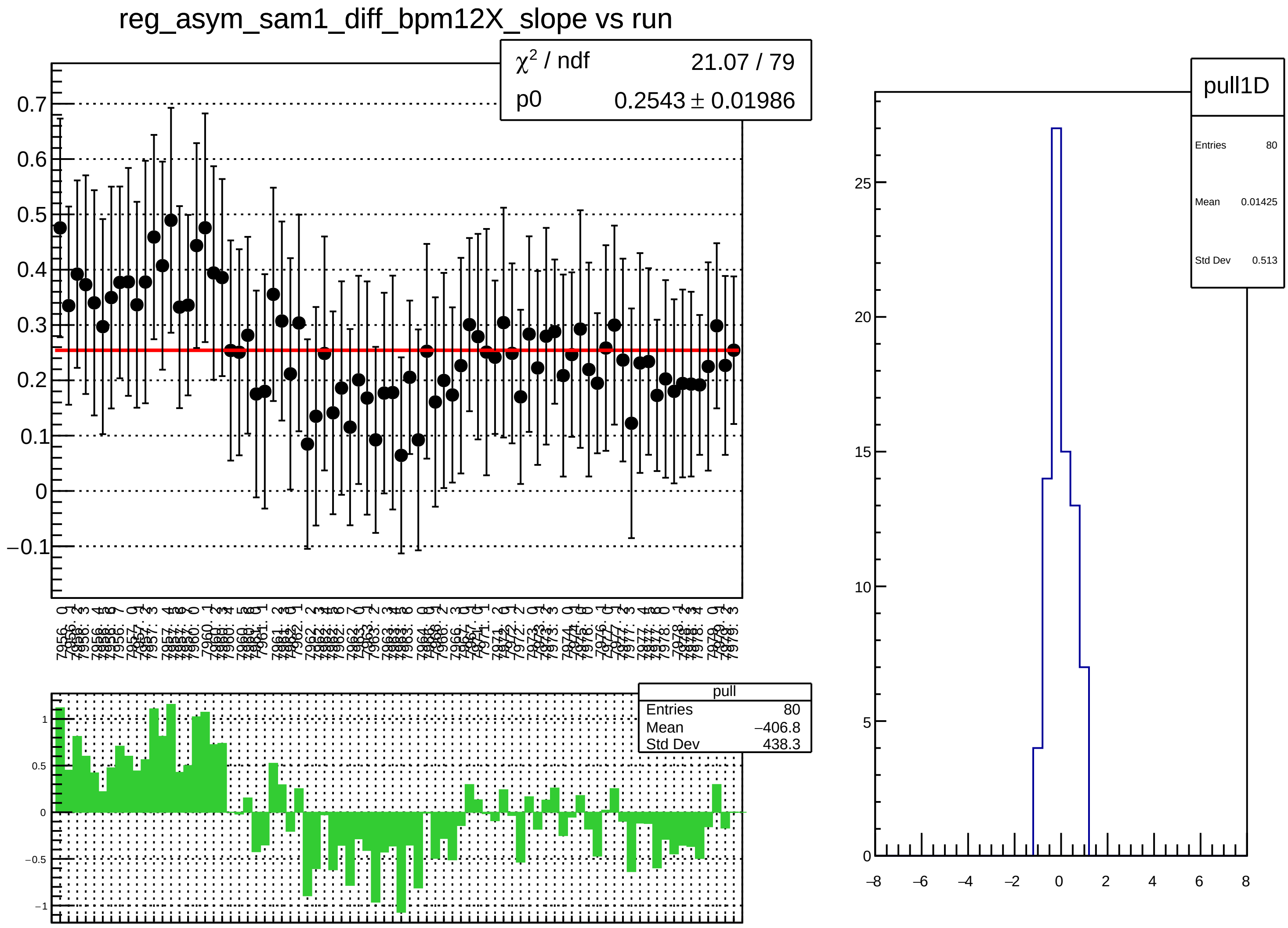
reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 13.25 / 79
p0 1.645 ± 0.5141
pull
Entries 80
Mean −194.9
Std Dev 224.7
pull1D
Entries 80
Mean −0.01419
Std Dev 0.4067

reg_asym_sam1_diff_bpm4eY_slope vs run

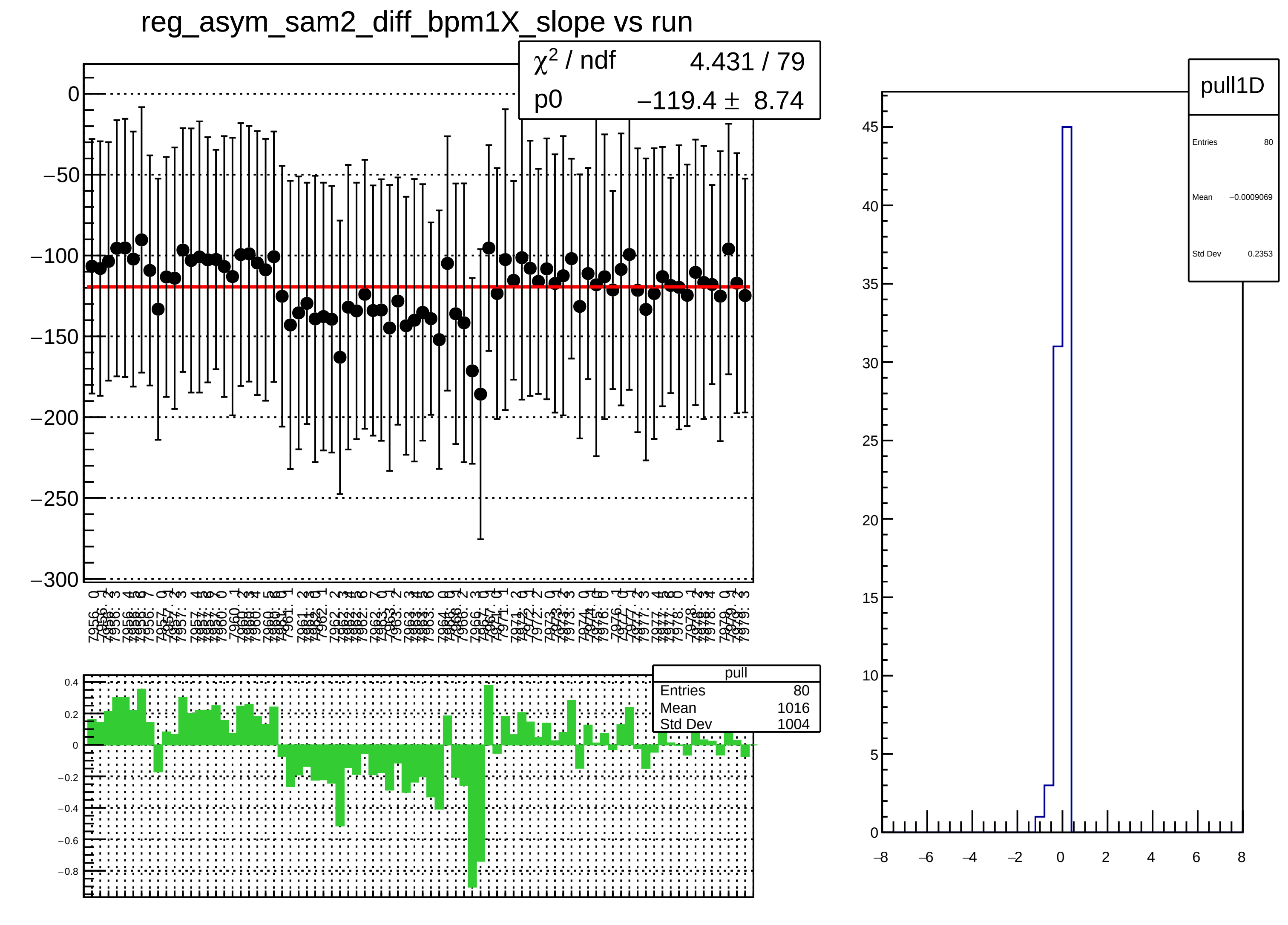


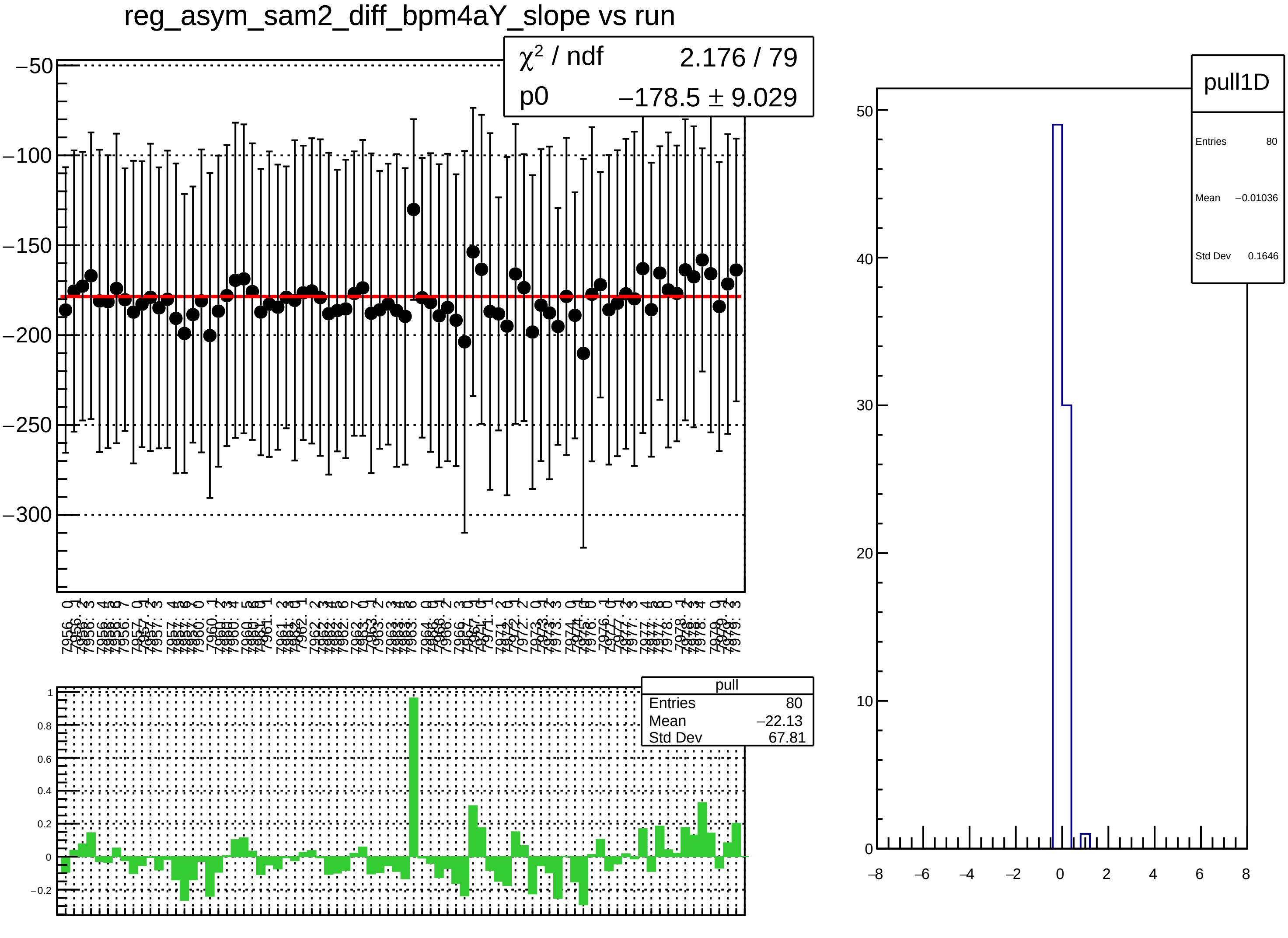


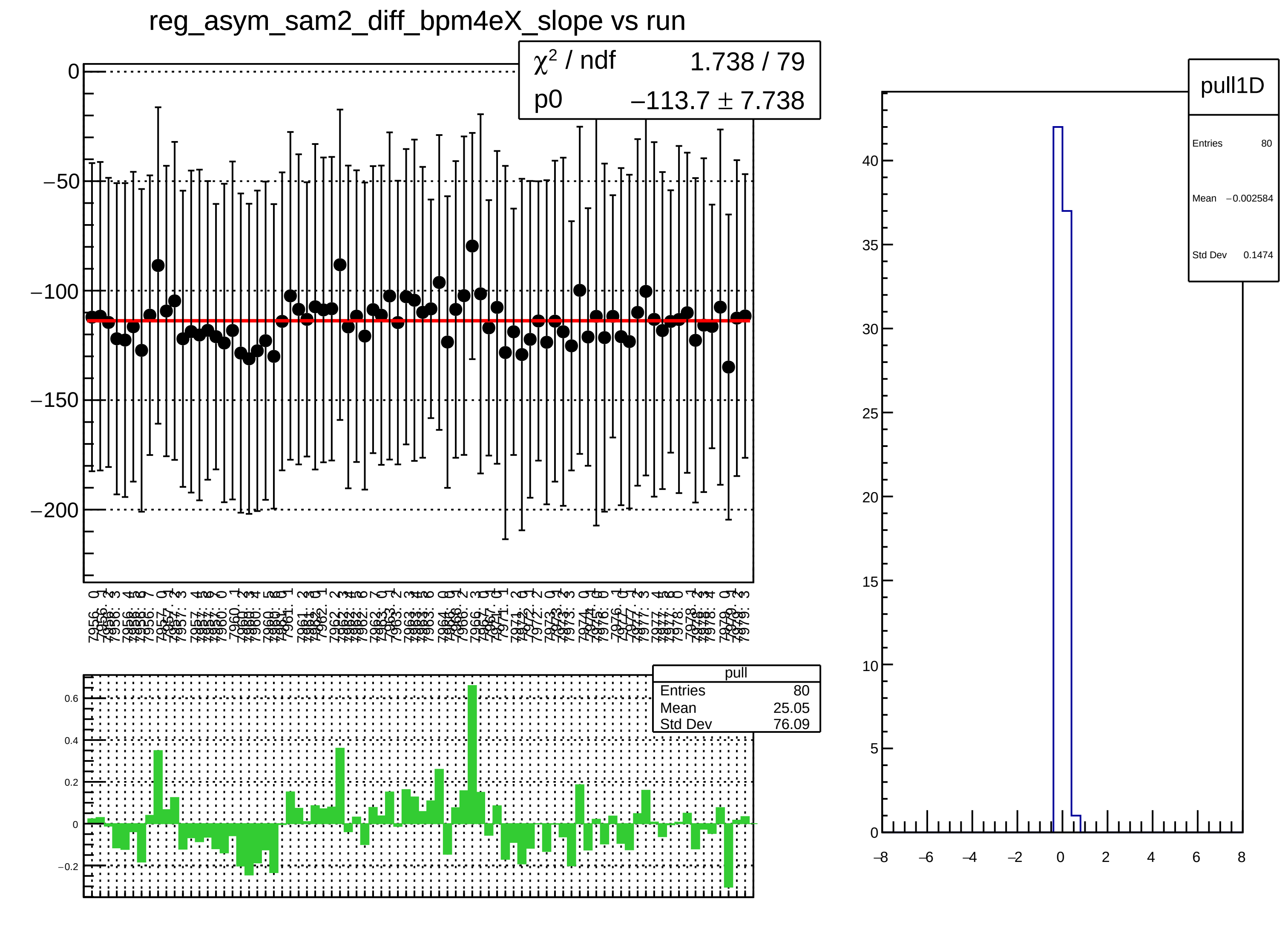




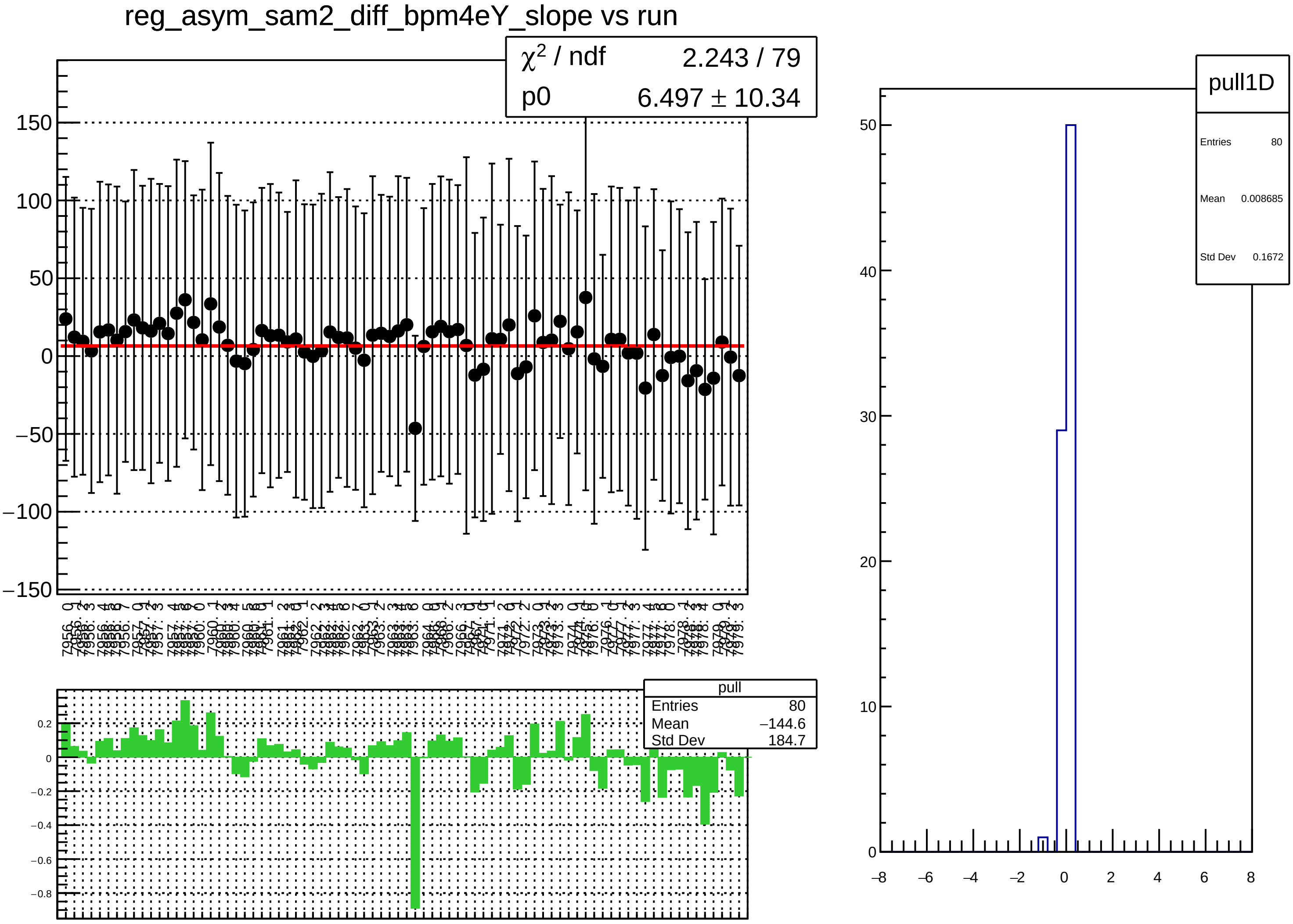
reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 21.07 / 79
p0 0.2543 ± 0.01986
pull
Entries 80
Mean −406.8
Std Dev 438.3
pull1D
Entries 80
Mean 0.01425
Std Dev 0.513


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
χ^2 / 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

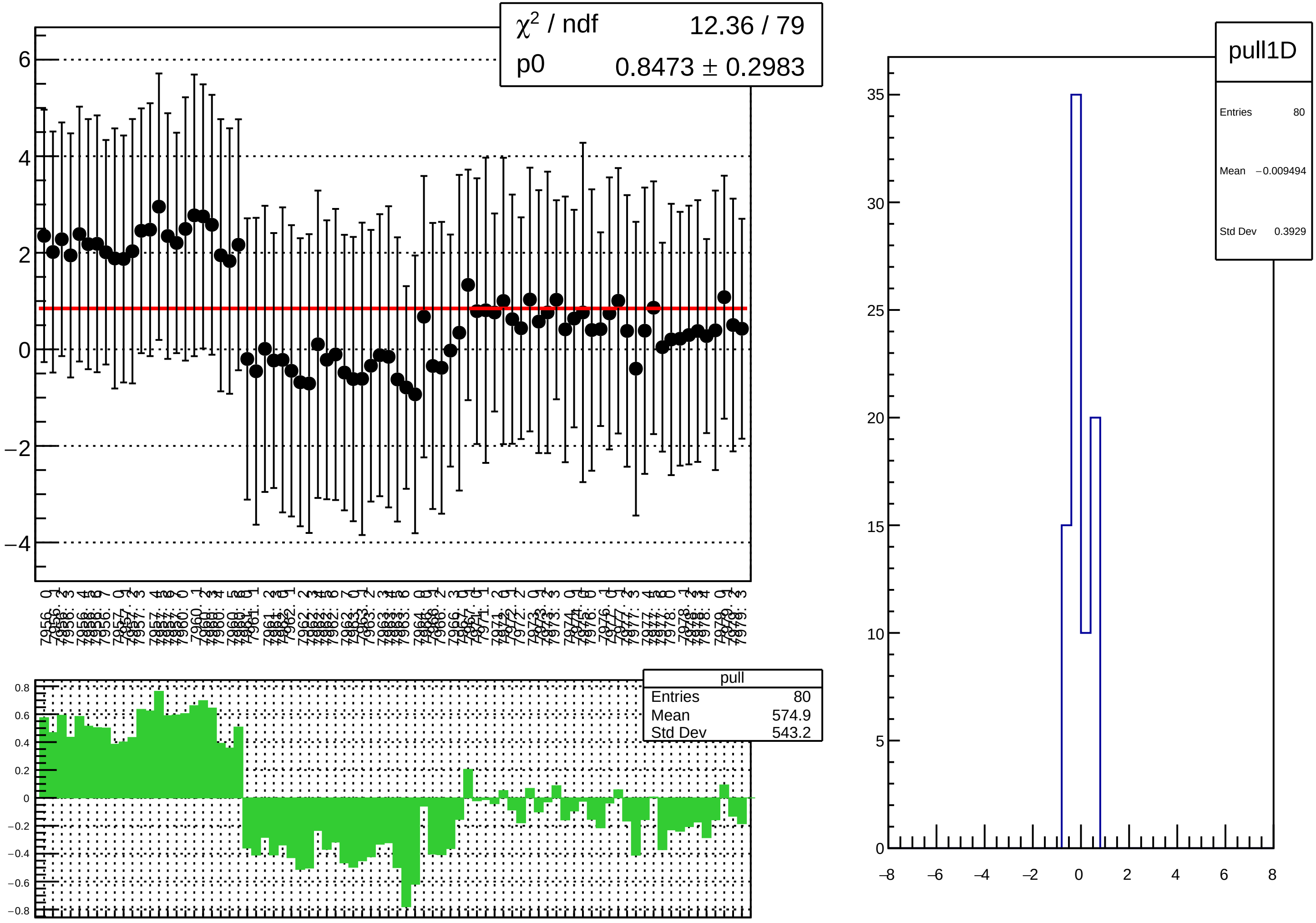


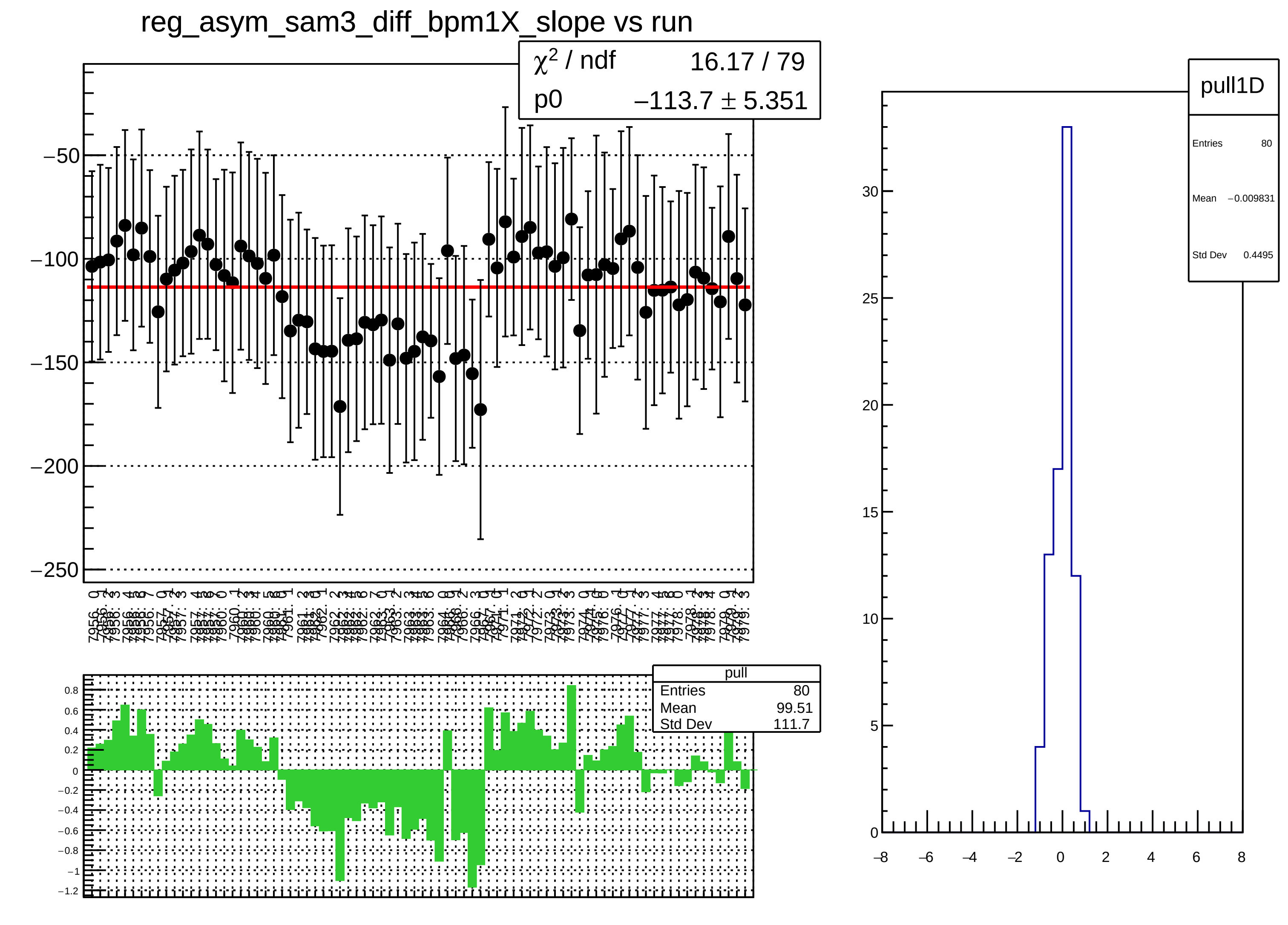
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 1.738 / 79
p0 −113.7 ± 7.738
pull
Entries 80
Mean 25.05
Std Dev 76.09
pull1D
Entries 80
Mean −0.002584
Std Dev 0.1474



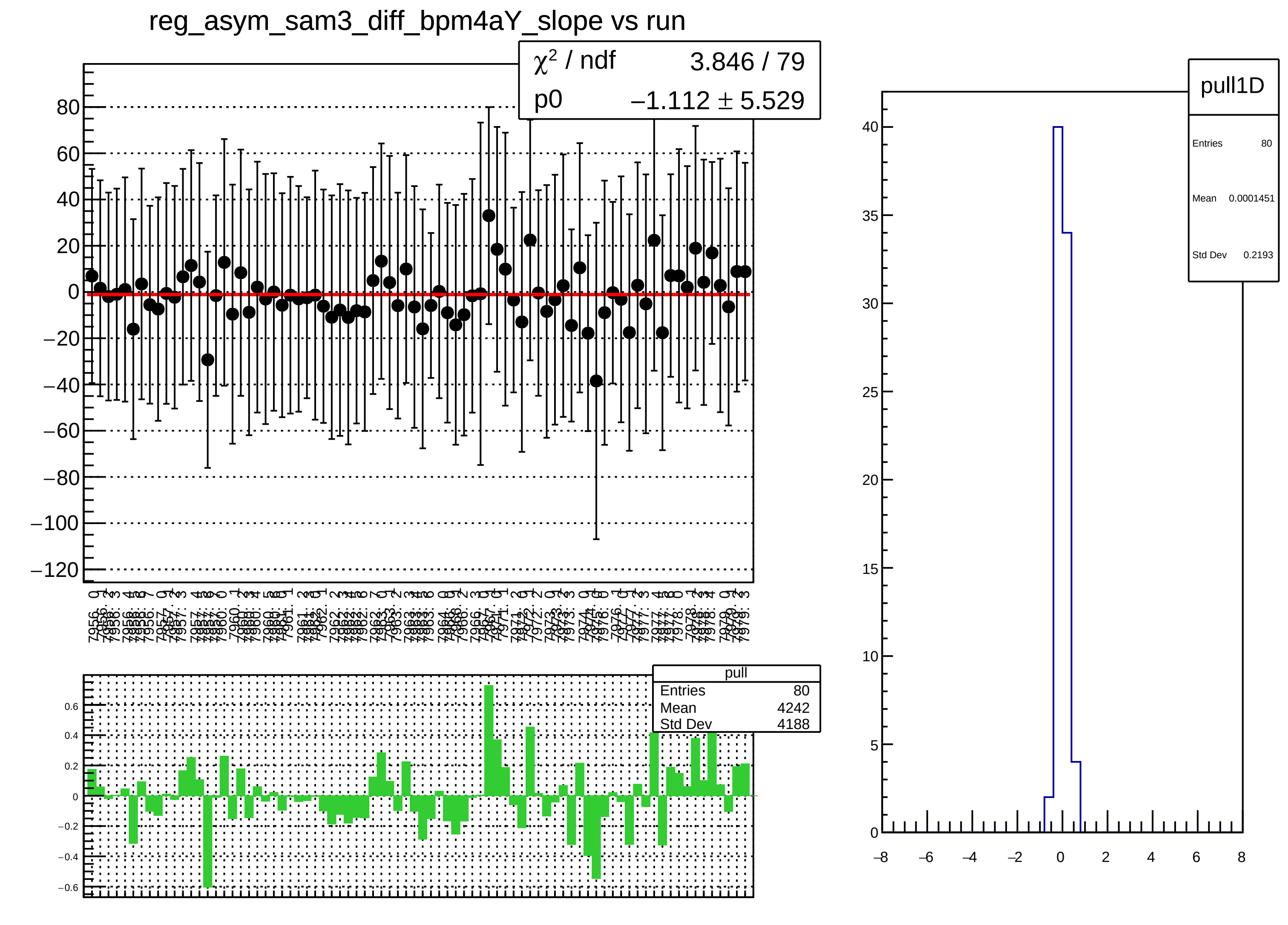
reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 2.243 / 79
p0 6.497 ± 10.34
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −144.6
Std Dev 184.7
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean 0.008685
Std Dev 0.1672
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm12X_slope vs run

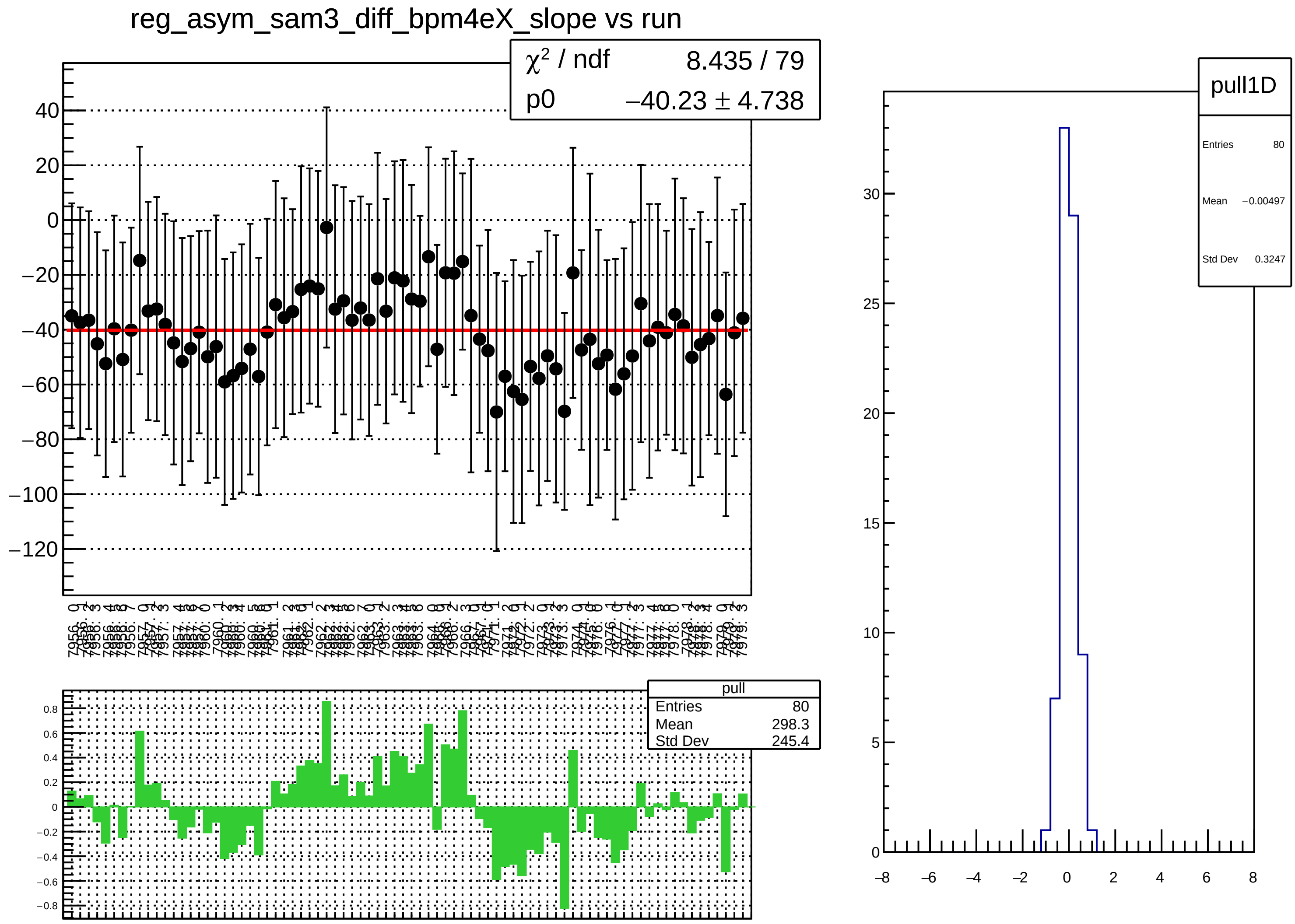




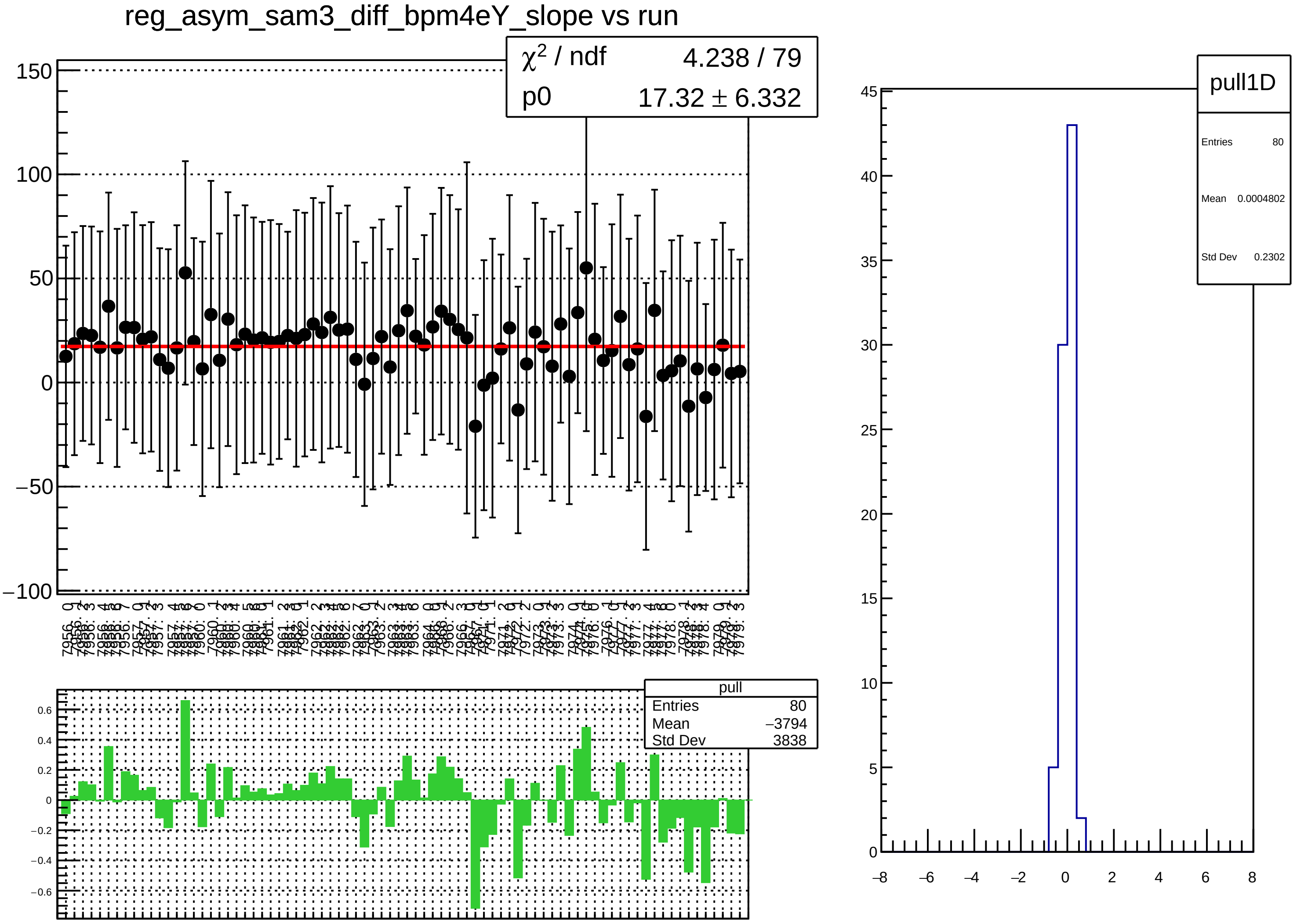
reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 16.17 / 79
p0 −113.7 ± 5.351
−50
−100
−150
−200
−250
pull
Entries 80
Mean 99.51
Std Dev 111.7
pull1D
Entries 80
Mean −0.009831
Std Dev 0.4495



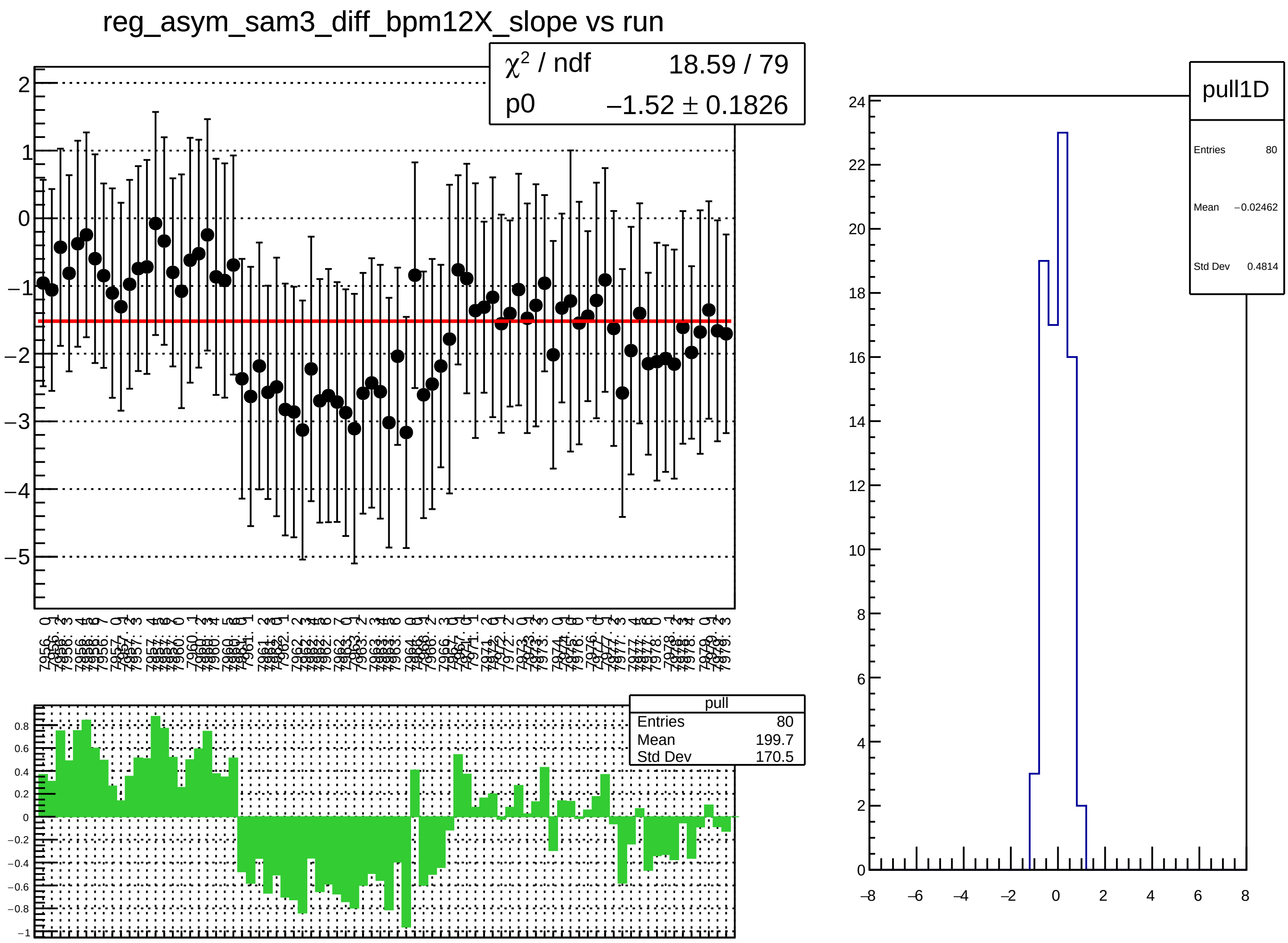
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 3.846 / 79
p0 −1.112 ± 5.529
pull
Entries 80
Mean 4242
Std Dev 4188
pull1D
Entries 80
Mean 0.0001451
Std Dev 0.2193



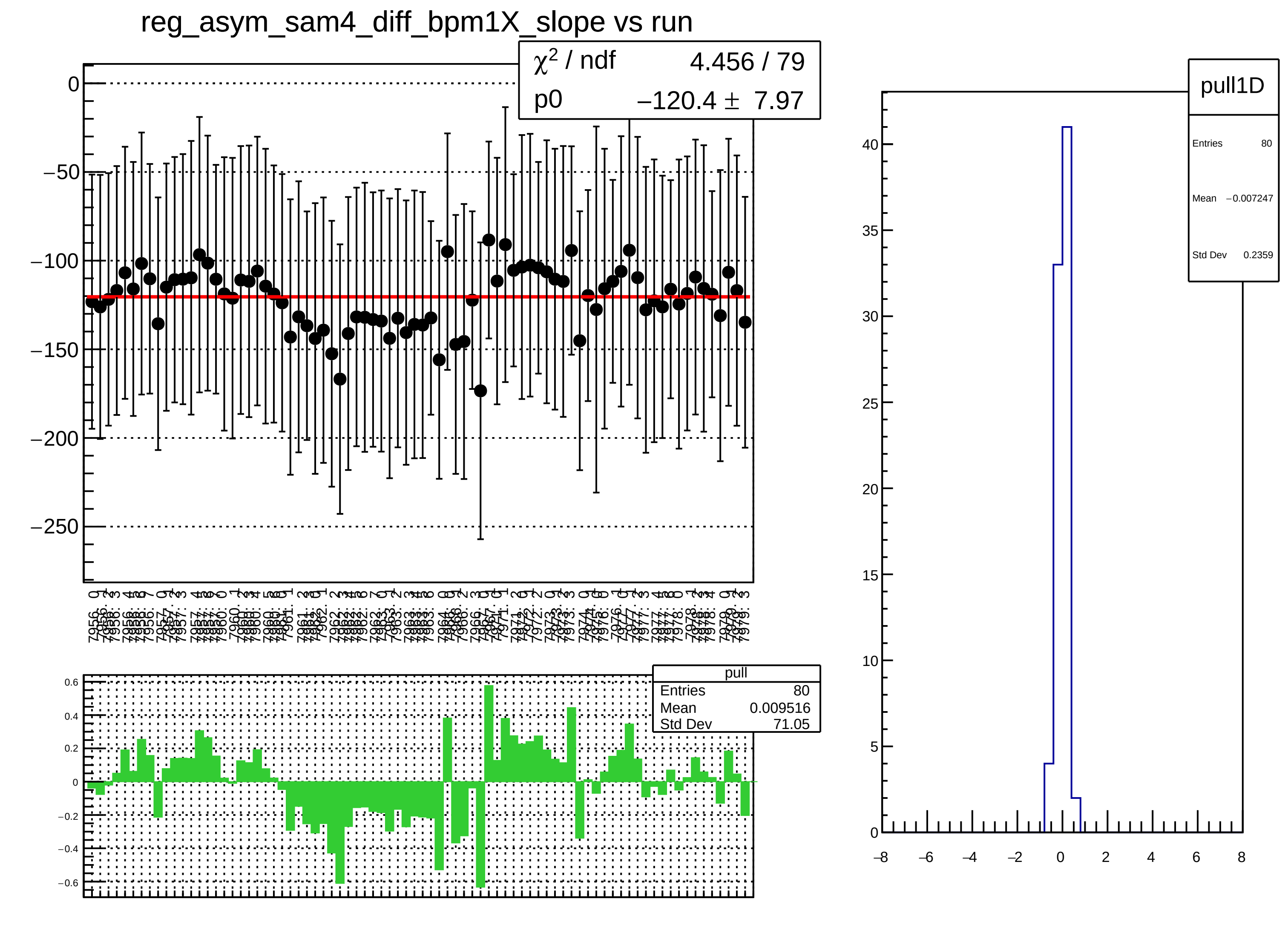
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 8.435 / 79
p0 −40.23 ± 4.738
pull
Entries 80
Mean 298.3
Std Dev 245.4
pull1D
Entries 80
Mean −0.00497
Std Dev 0.3247



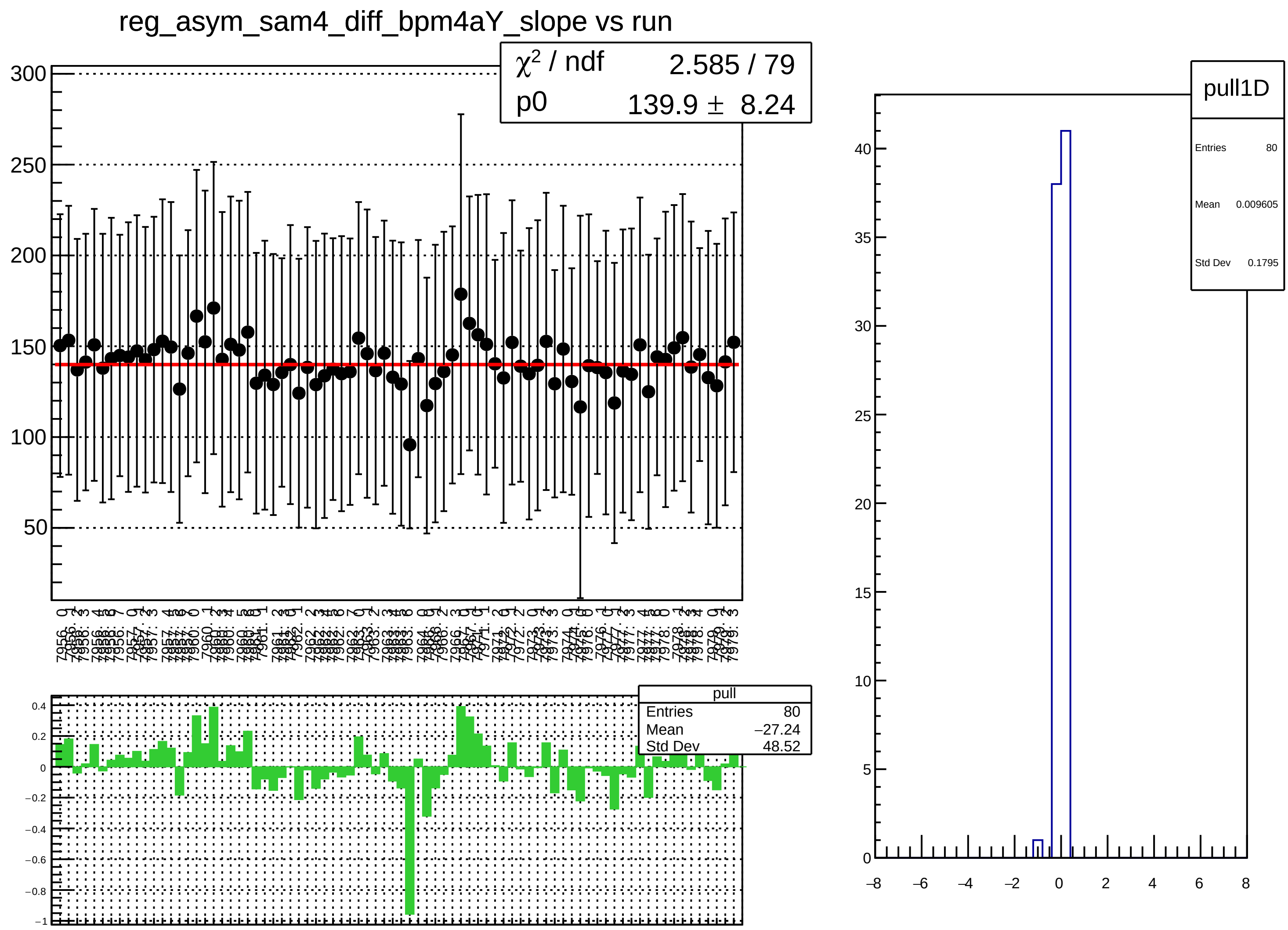
reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 4.238 / 79
p0 17.32 ± 6.332
pull
Entries 80
Mean −3794
Std Dev 3838
pull1D
Entries 80
Mean 0.0004802
Std Dev 0.2302



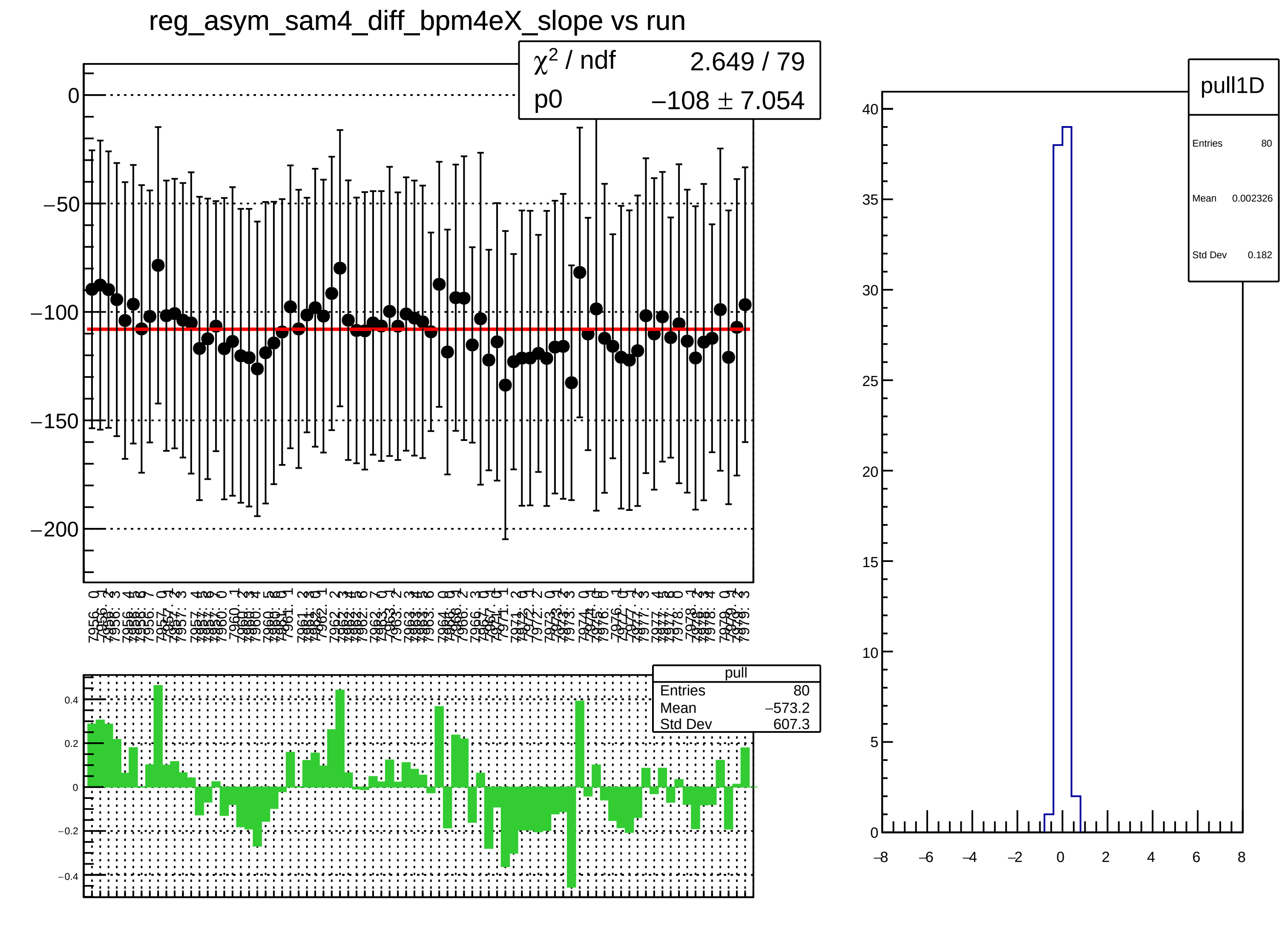
reg_asym_sam3_diff_bpm12X_slope vs run
χ2 / ndf 18.59 / 79
p0 −1.52 ± 0.1826
pull
Entries 80
Mean 199.7
Std Dev 170.5
pull1D
Entries 80
Mean −0.02462
Std Dev 0.4814



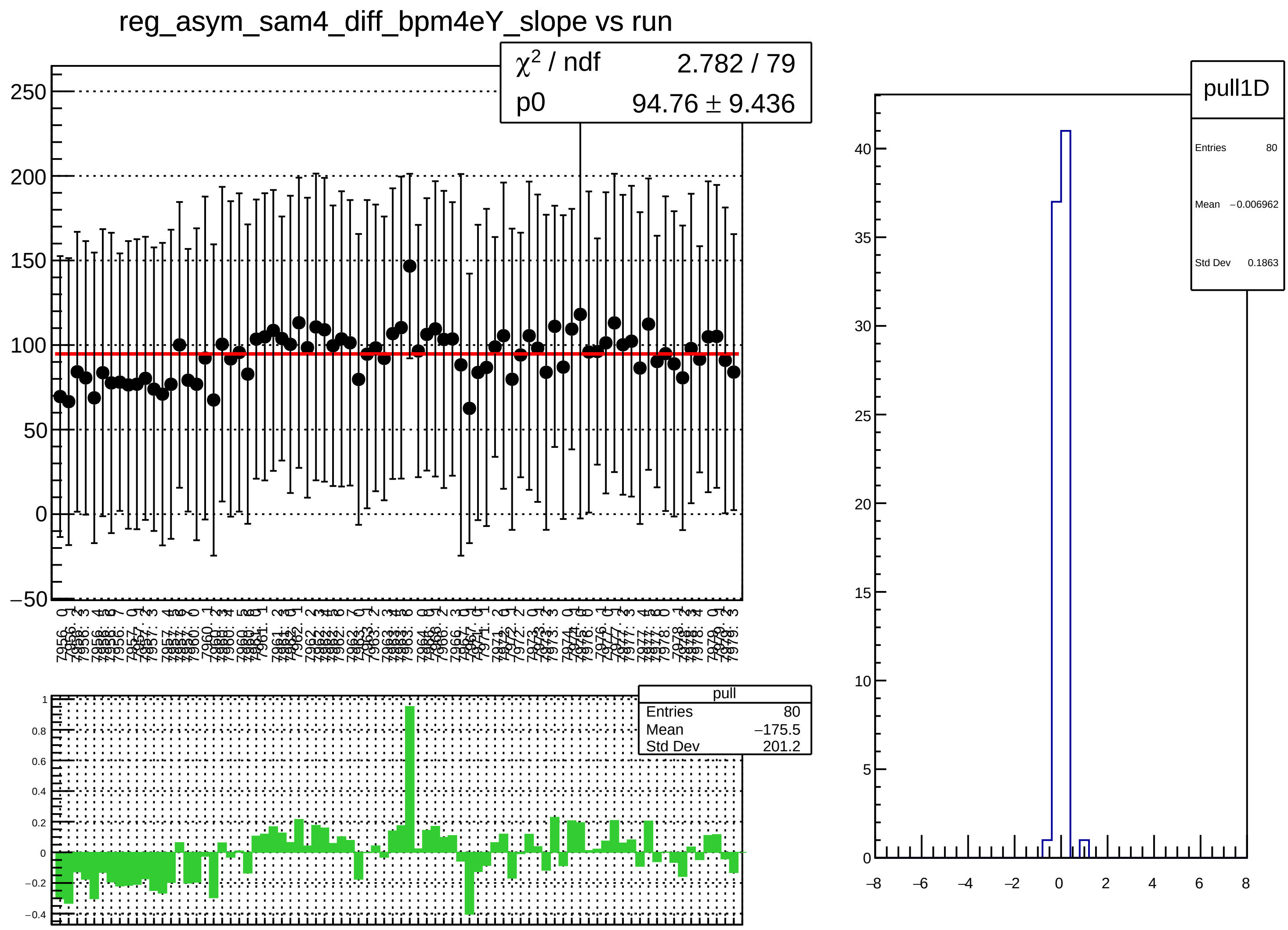
reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 4.456 / 79
p0 −120.4 ± 7.97
pull
Entries 80
Mean 0.009516
Std Dev 71.05
pull1D
Entries 80
Mean −0.007247
Std Dev 0.2359

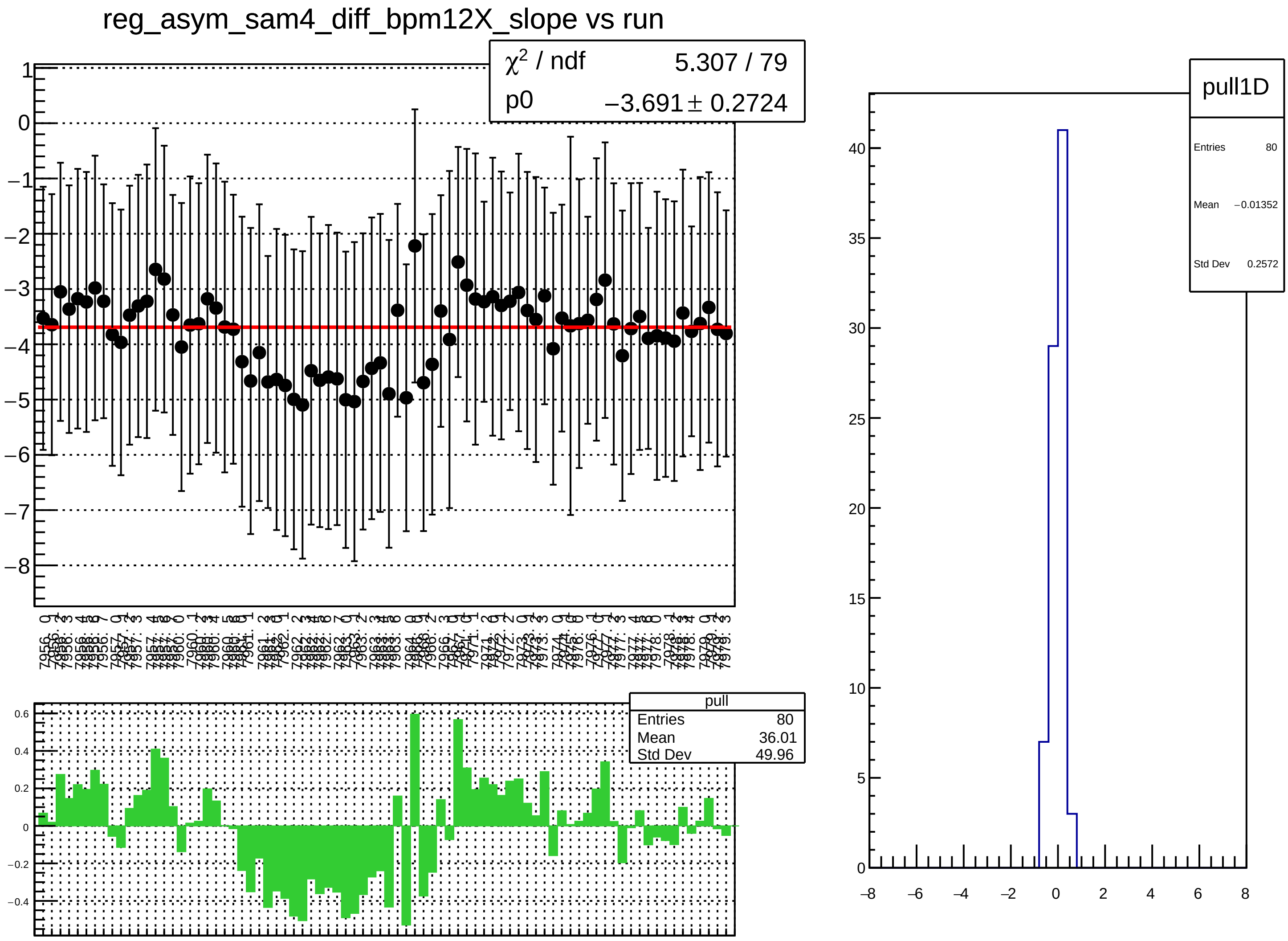


reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 2.585 / 79
p0 139.9 ± 8.24
pull
Entries 80
Mean −27.24
Std Dev 48.52
pull1D
Entries 80
Mean 0.009605
Std Dev 0.1795

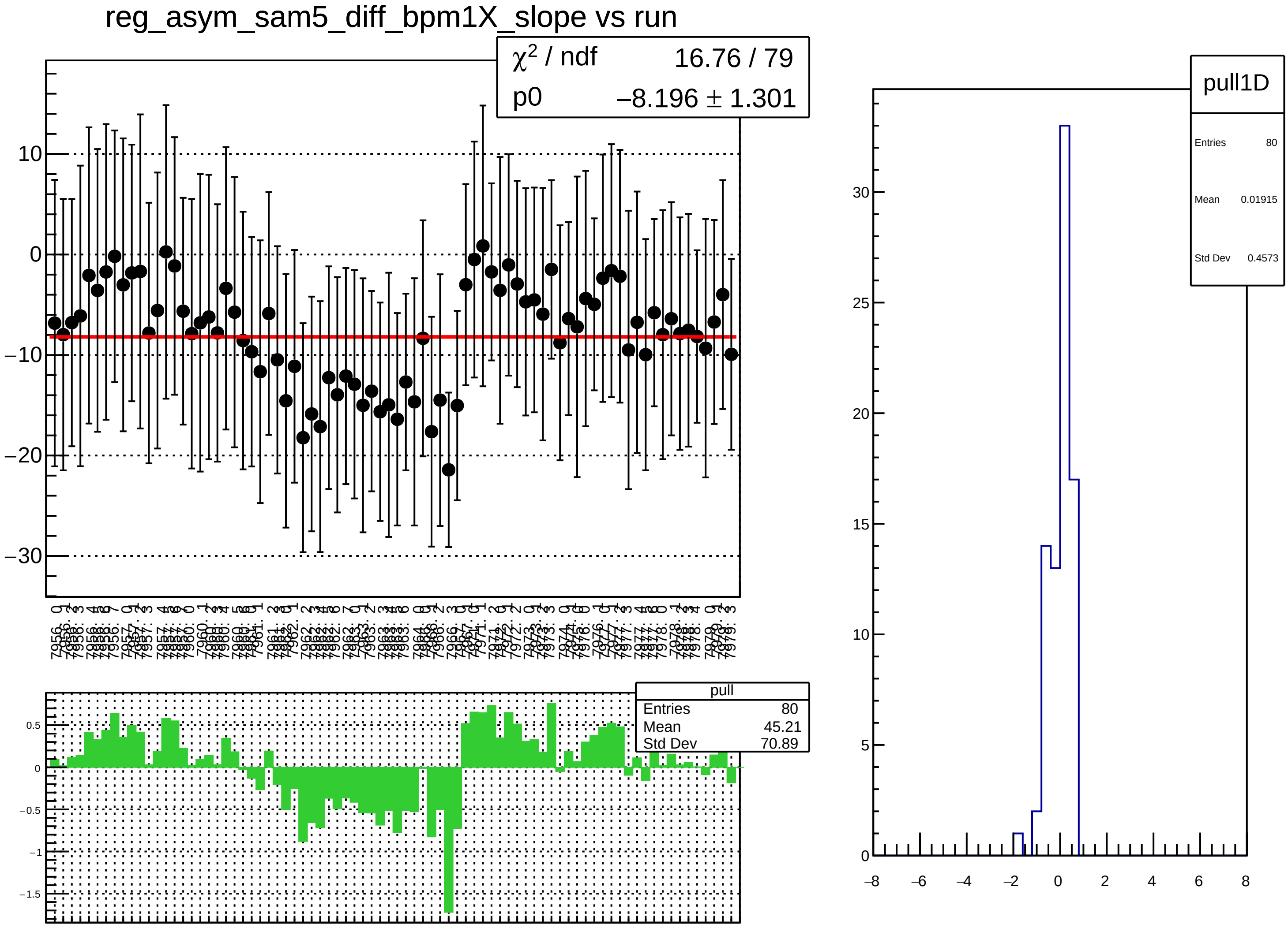


reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 2.649 / 79
p0 −108 ± 7.054
pull
Entries 80
Mean −573.2
Std Dev 607.3
pull1D
Entries 80
Mean 0.002326
Std Dev 0.182

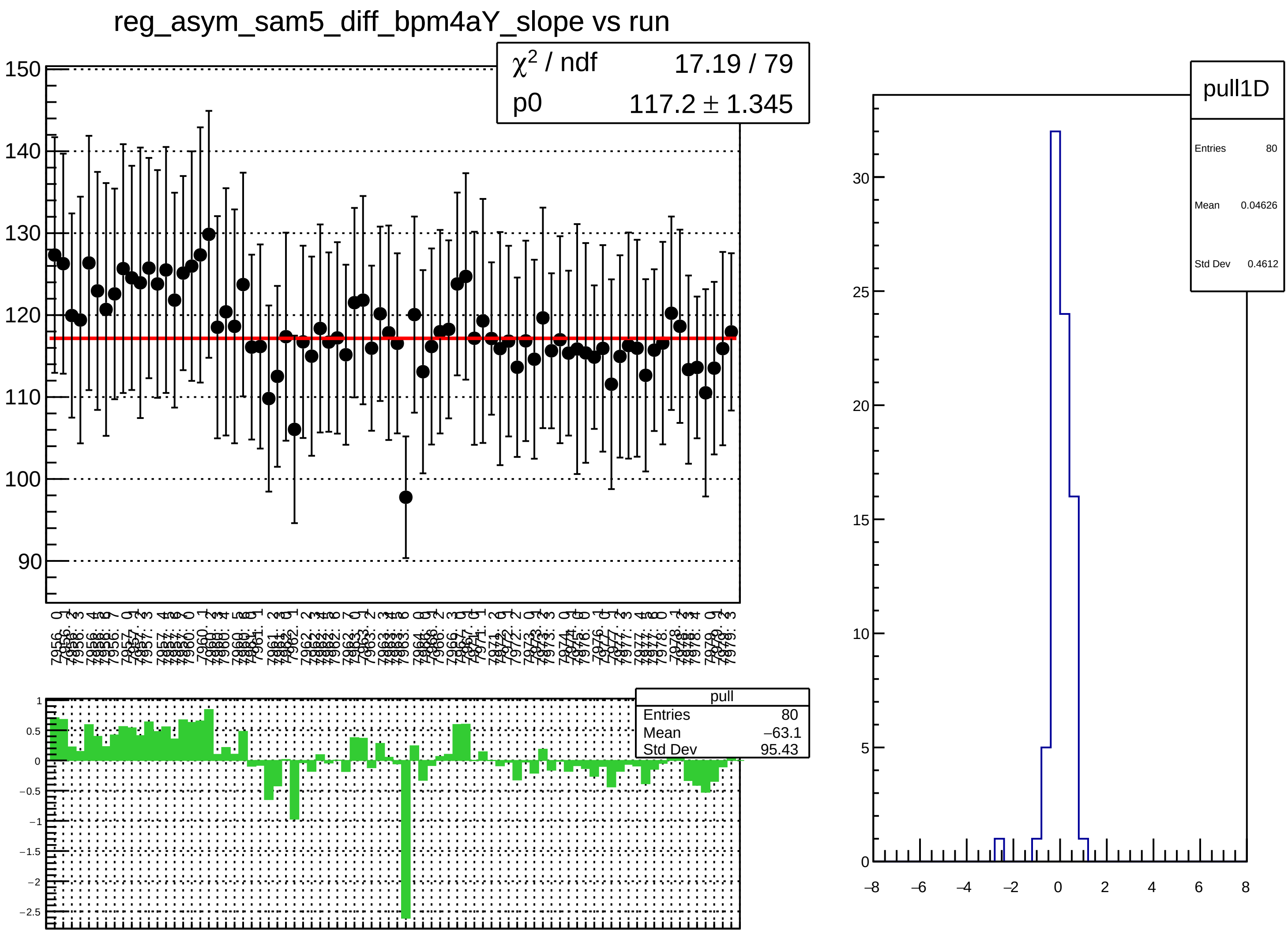

reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 2.782 / 79
p0 94.76 ± 9.436
pull
Entries 80
Mean −175.5
Std Dev 201.2
pull1D
Entries 80
Mean −0.006962
Std Dev 0.1863



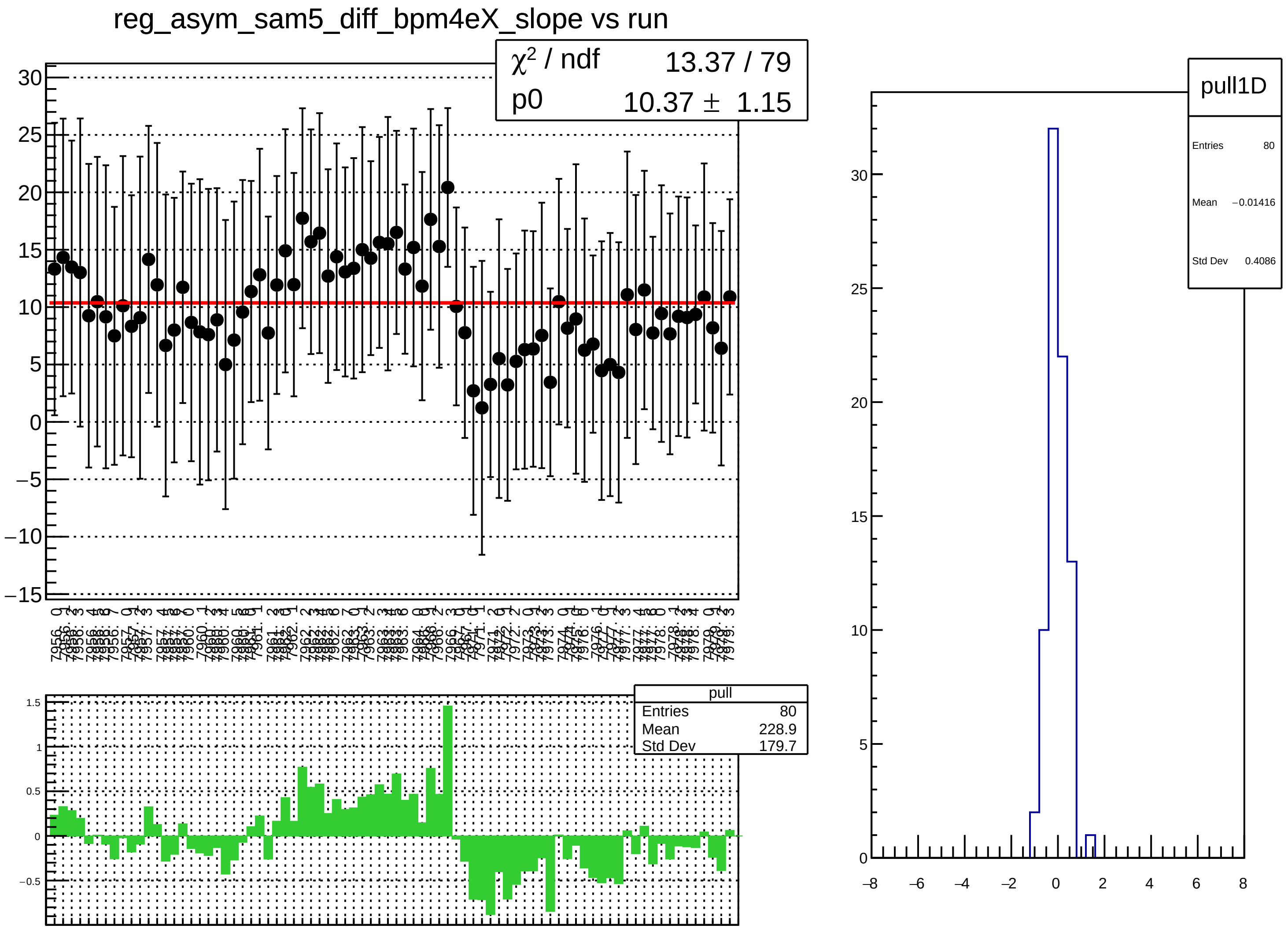
reg_asym_sam4_diff_bpm12X_slope vs run
χ2 / ndf 5.307 / 79
p0 −3.691 ± 0.2724
pull
Entries 80
Mean 36.01
Std Dev 49.96
pull1D
Entries 80
Mean −0.01352
Std Dev 0.2572



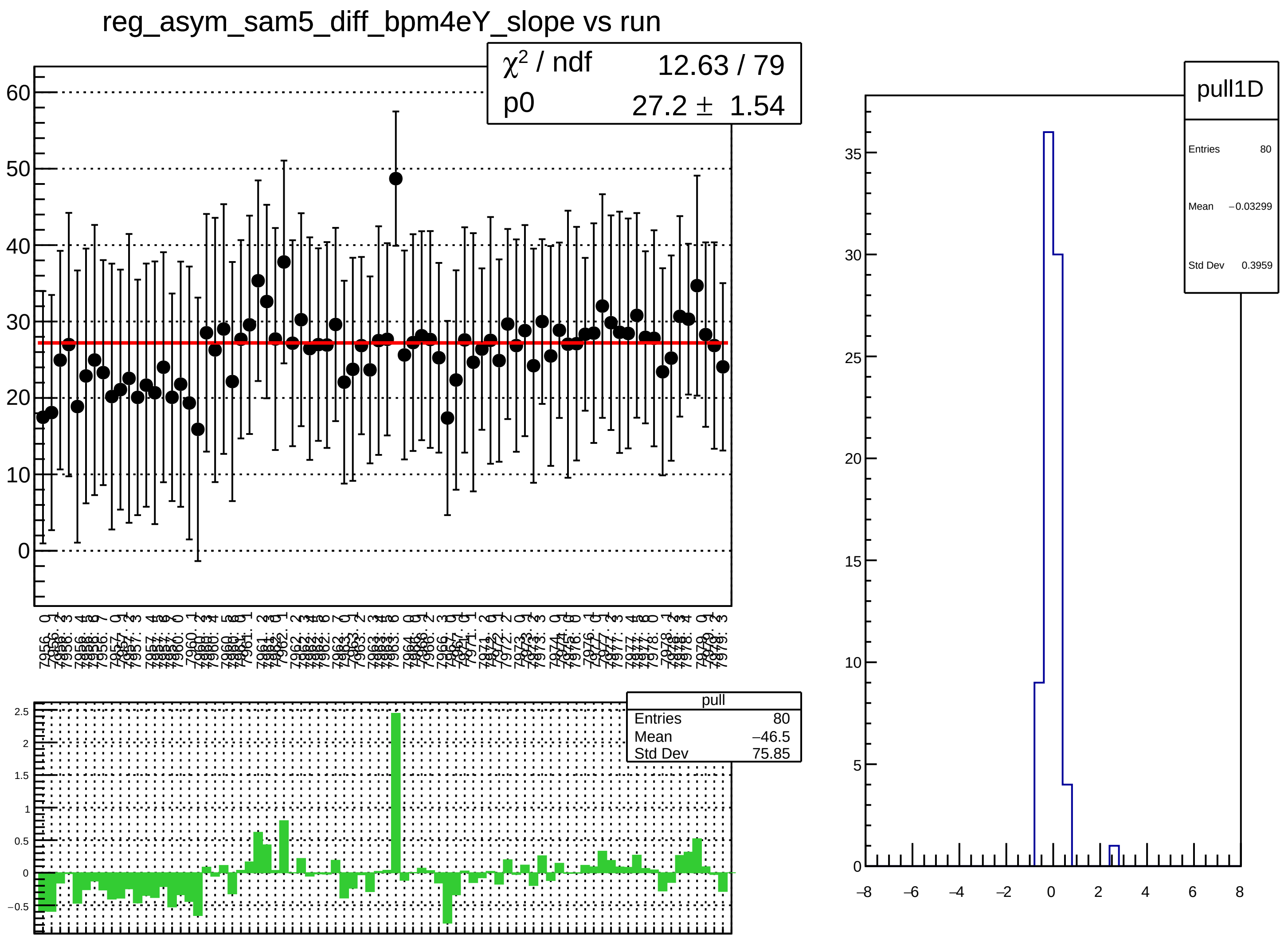
reg_asym_sam5_diff_bpm1X_slope vs run
χ2 / ndf 16.76 / 79
p0 −8.196 ± 1.301
10
0
−10
−20
−30
pull
Entries 80
Mean 45.21
Std Dev 70.89
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.01915
Std Dev 0.4573
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



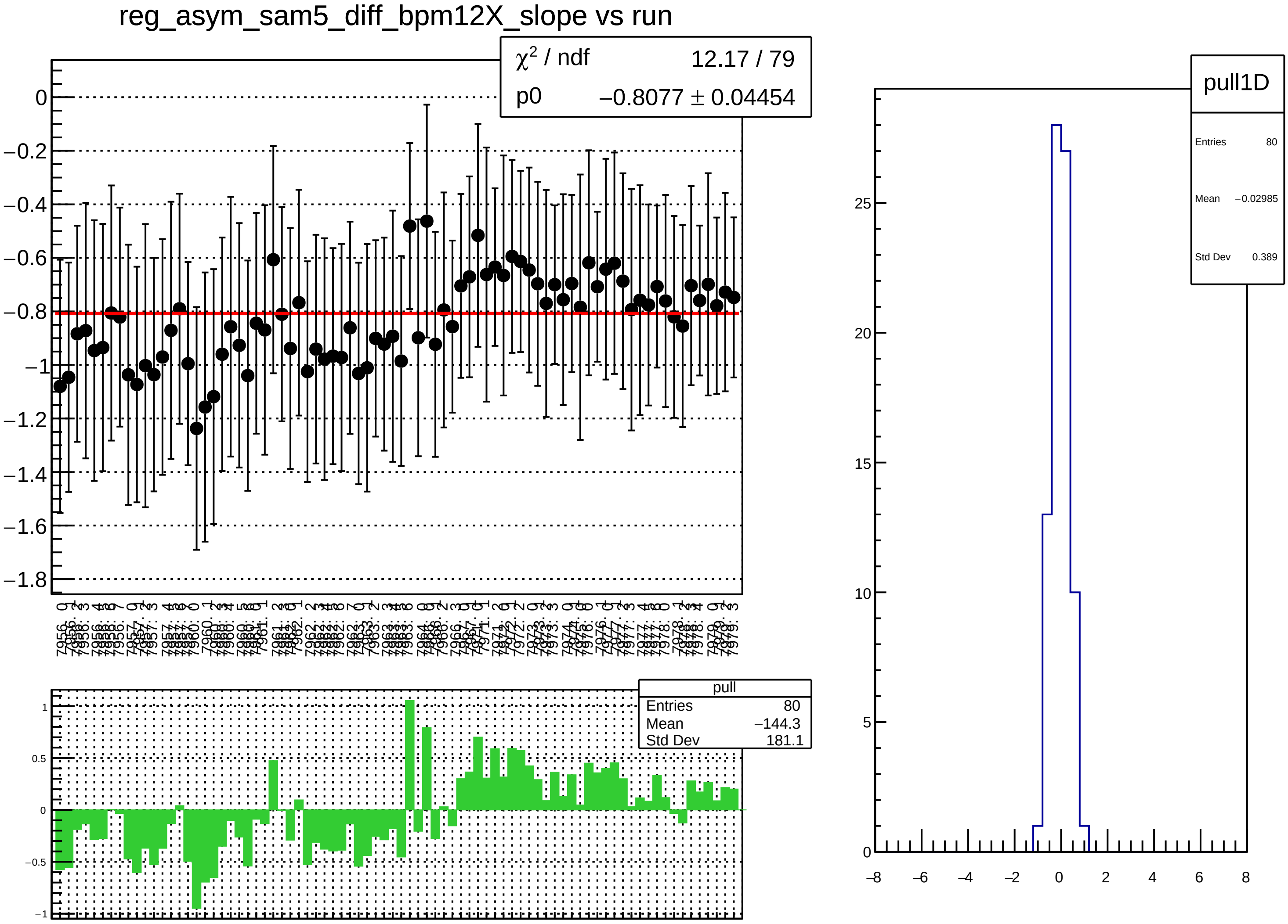
reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 17.19 / 79
p0 117.2 ± 1.345
pull
Entries 80
Mean −63.1
Std Dev 95.43
pull1D
Entries 80
Mean 0.04626
Std Dev 0.4612



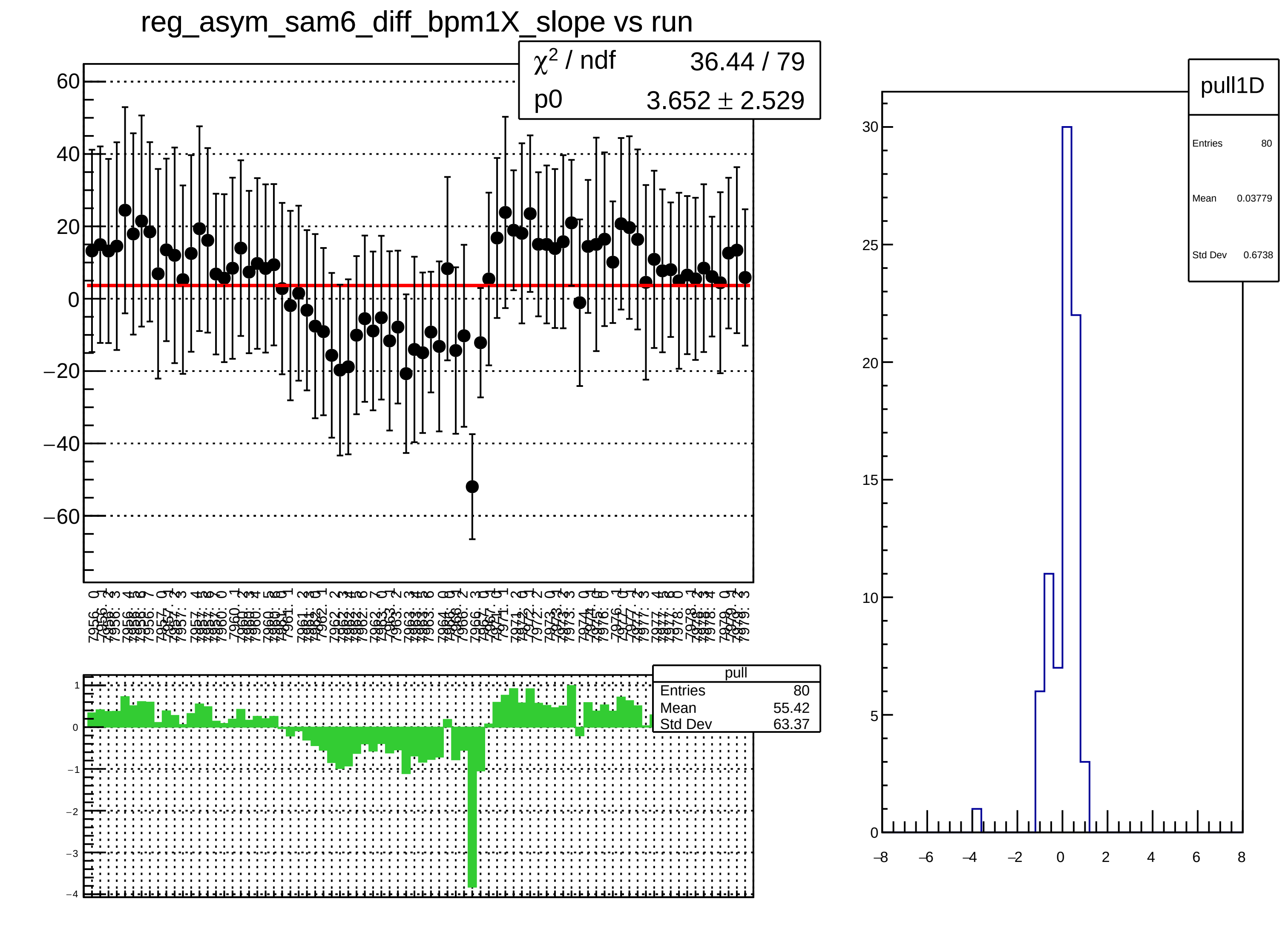
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 13.37 / 79
p0 10.37 ± 1.15
pull
Entries 80
Mean 228.9
Std Dev 179.7
pull1D
Entries 80
Mean −0.01416
Std Dev 0.4086



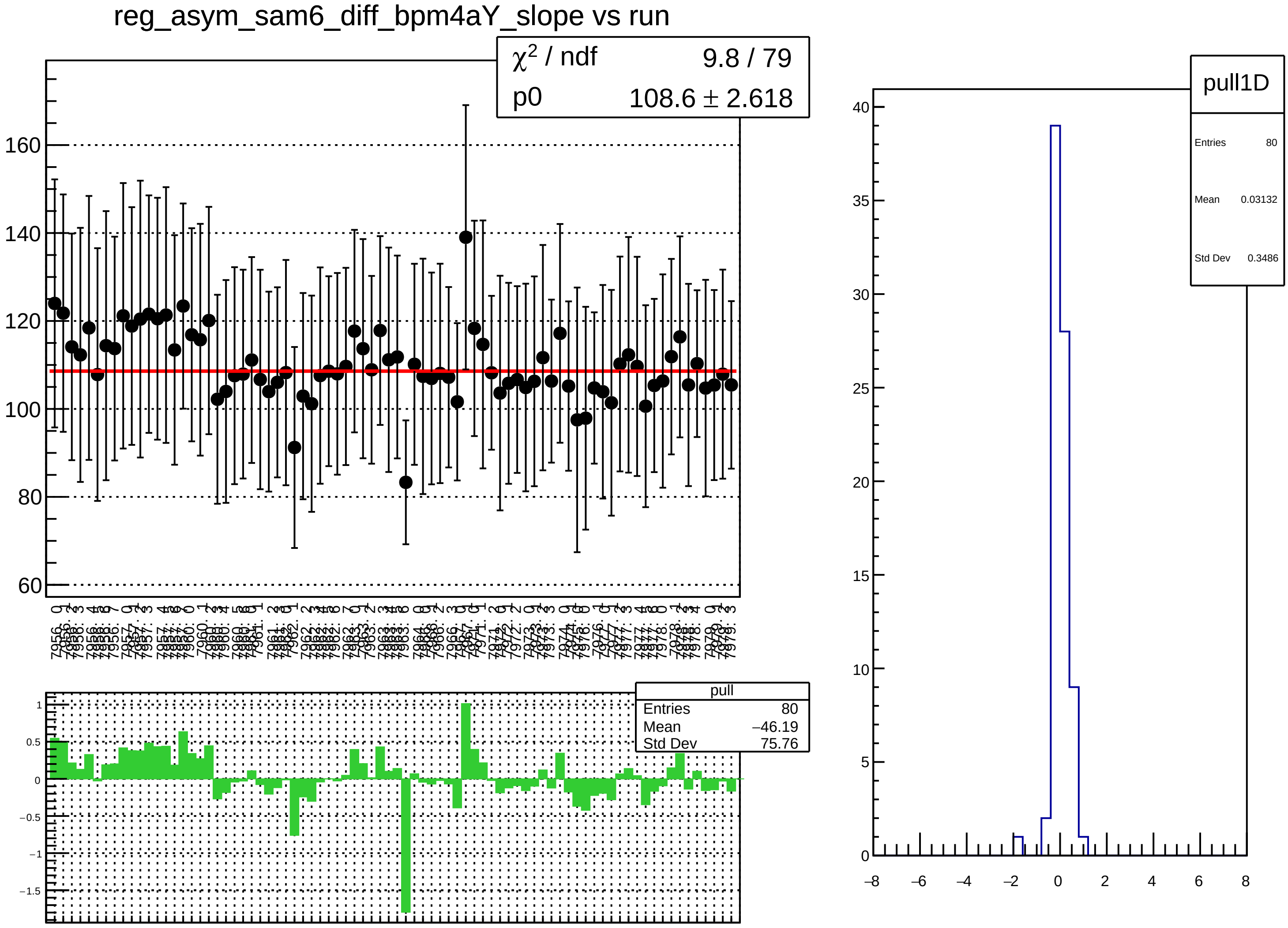
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 12.63 / 79
p0 27.2 ± 1.54
pull
Entries 80
Mean −46.5
Std Dev 75.85
pull1D
Entries 80
Mean −0.03299
Std Dev 0.3959



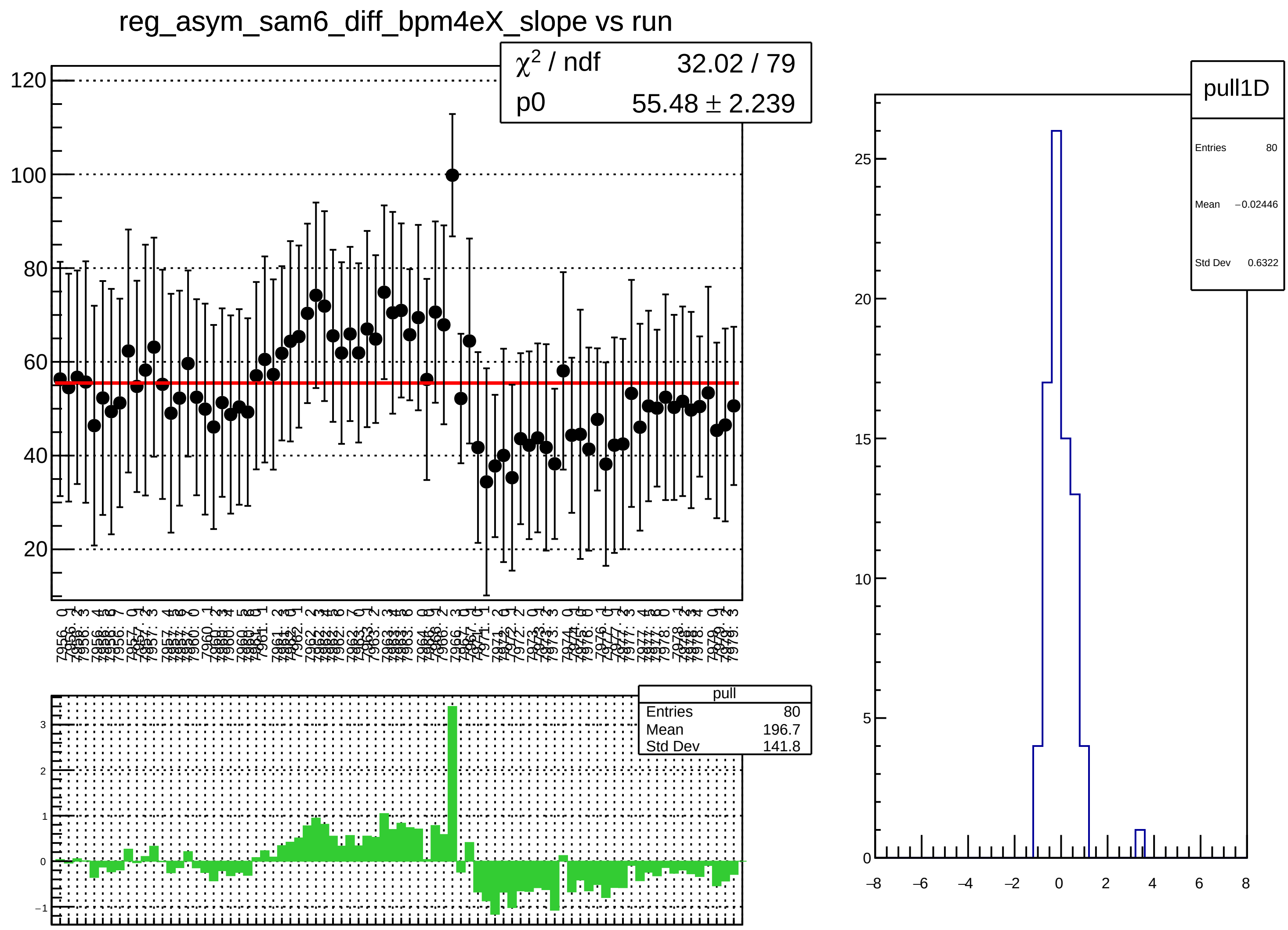
reg_asym_sam5_diff_bpm12X_slope vs run
χ2 / ndf 12.17 / 79
p0 −0.8077 ± 0.04454
pull
Entries 80
Mean −144.3
Std Dev 181.1
pull1D
Entries 80
Mean −0.02985
Std Dev 0.389



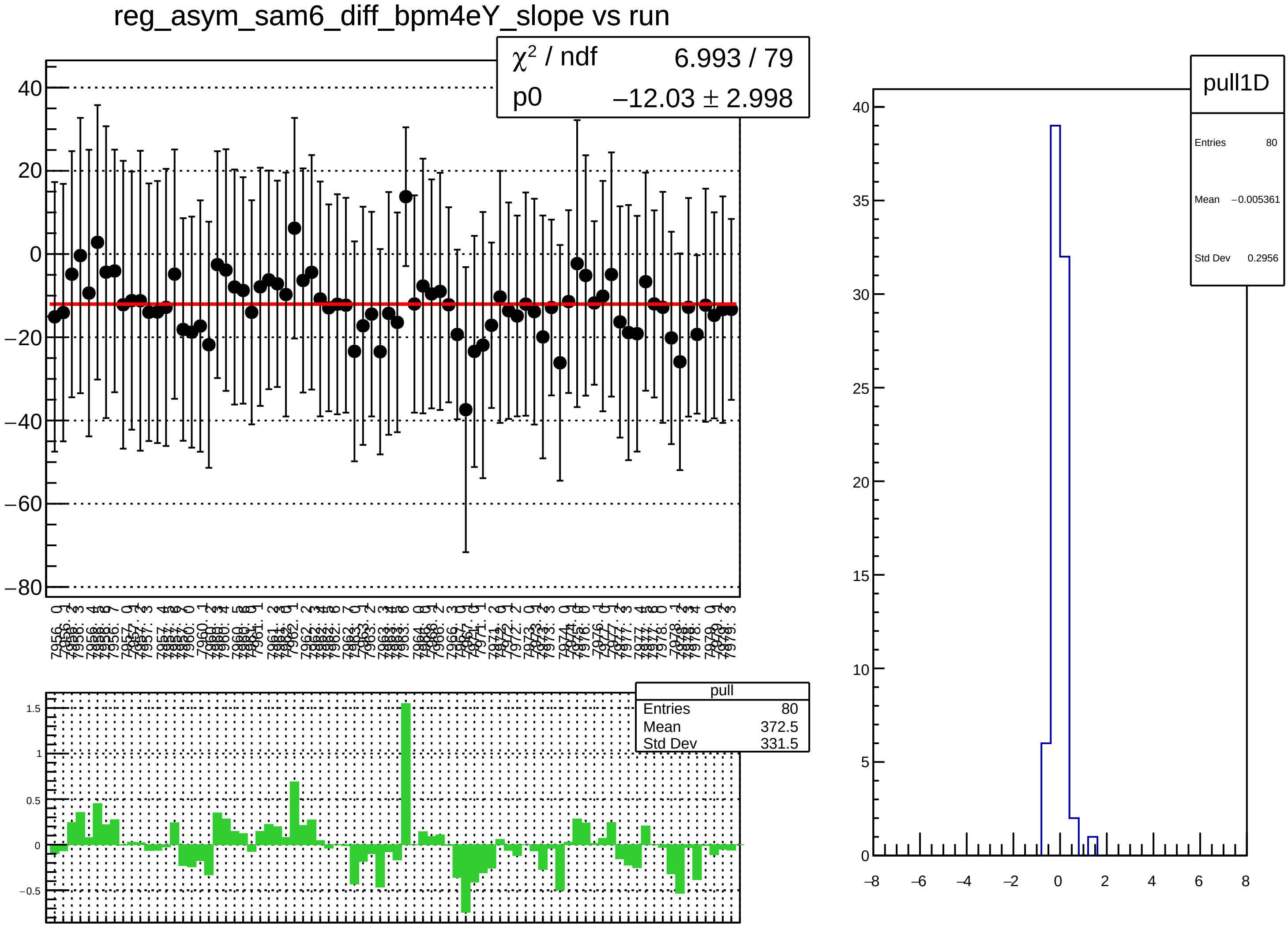
reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 36.44 / 79
p0 3.652 ± 2.529
pull
Entries 80
Mean 55.42
Std Dev 63.37
pull1D
Entries 80
Mean 0.03779
Std Dev 0.6738

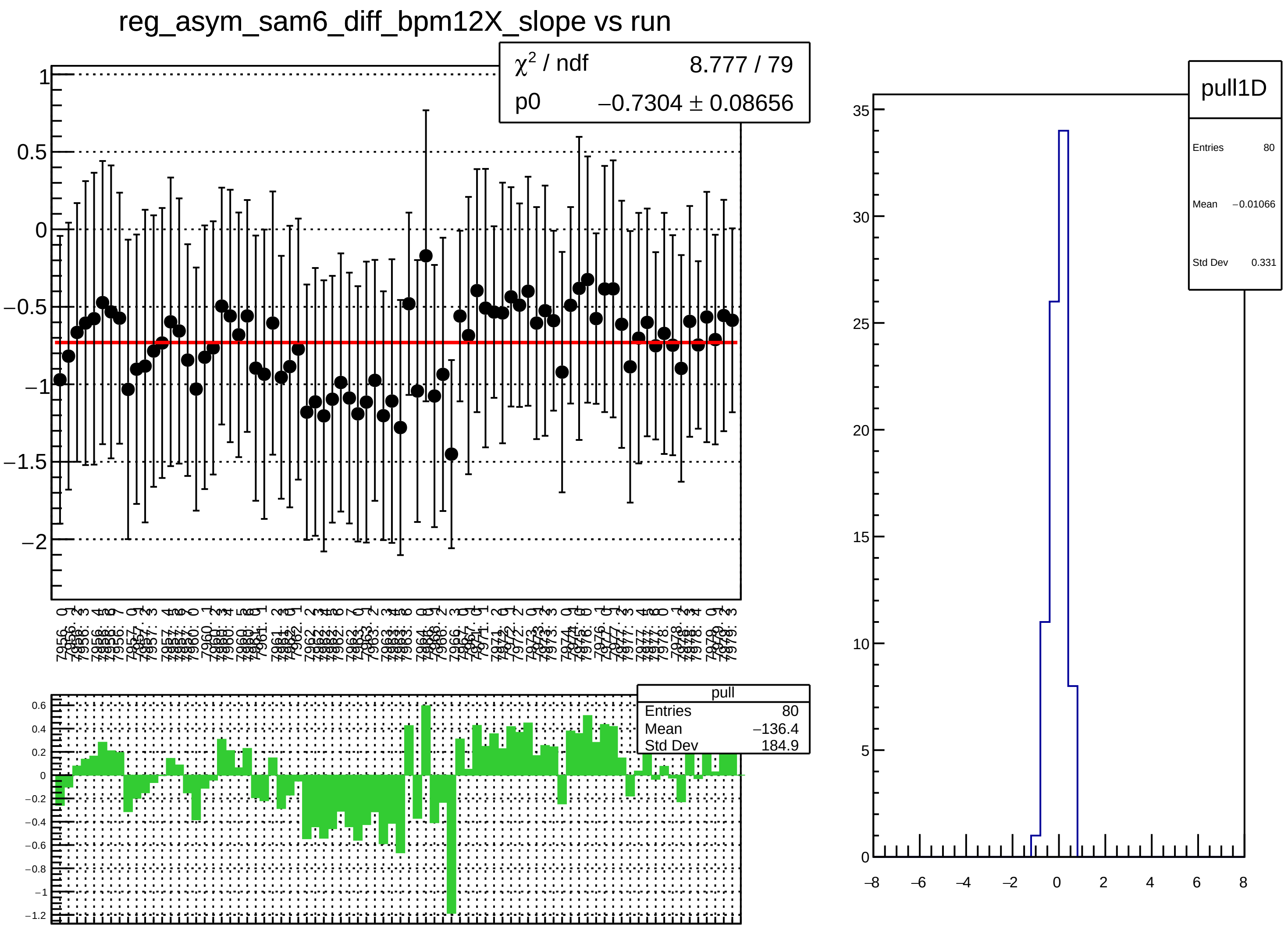


reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 9.8 / 79
p0 108.6 ± 2.618
pull
Entries 80
Mean −46.19
Std Dev 75.76
pull1D
Entries 80
Mean 0.03132
Std Dev 0.3486

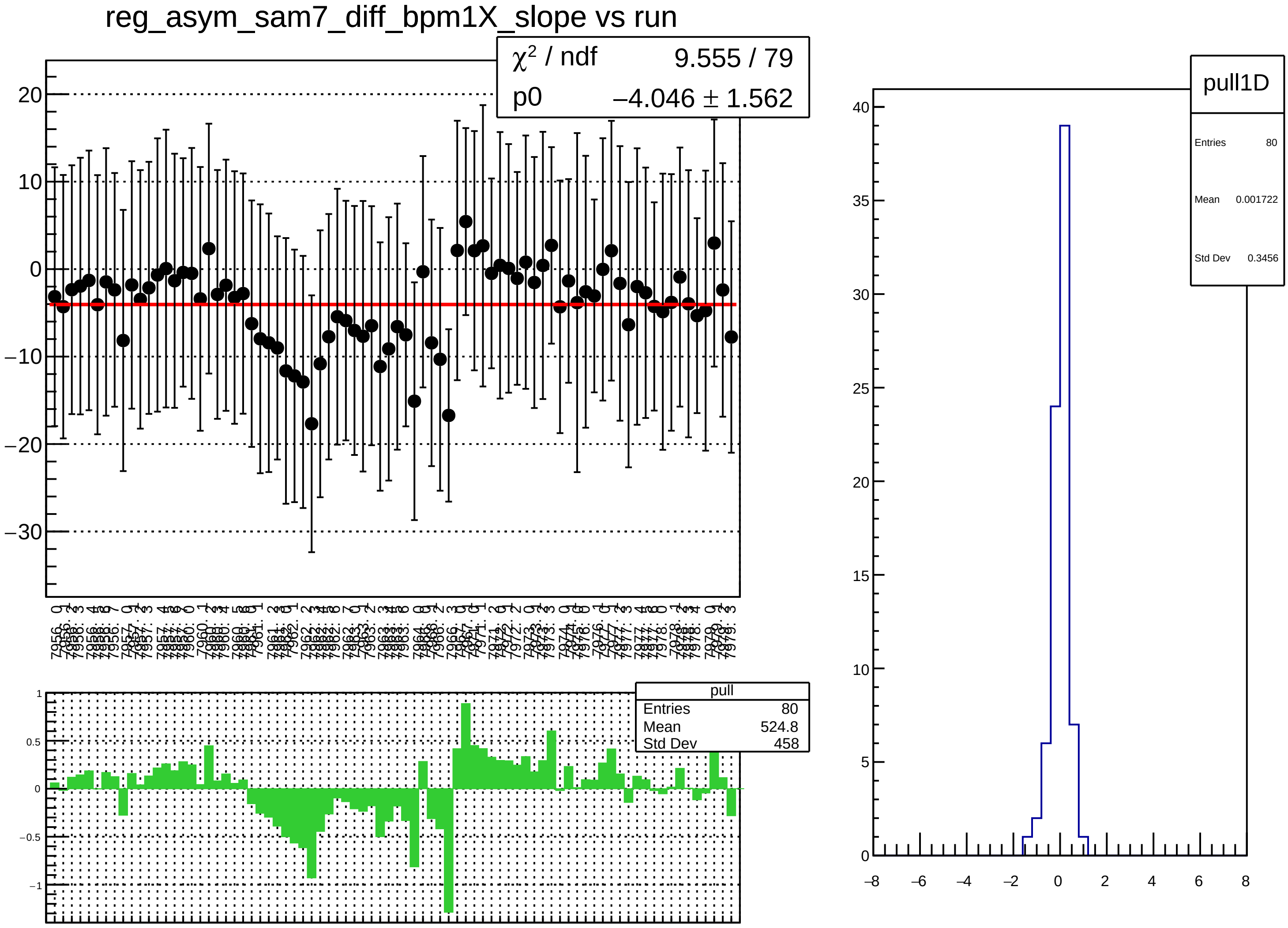


reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 32.02 / 79
p0 55.48 ± 2.239
pull
Entries 80
Mean 196.7
Std Dev 141.8
pull1D
Entries 80
Mean −0.02446
Std Dev 0.6322

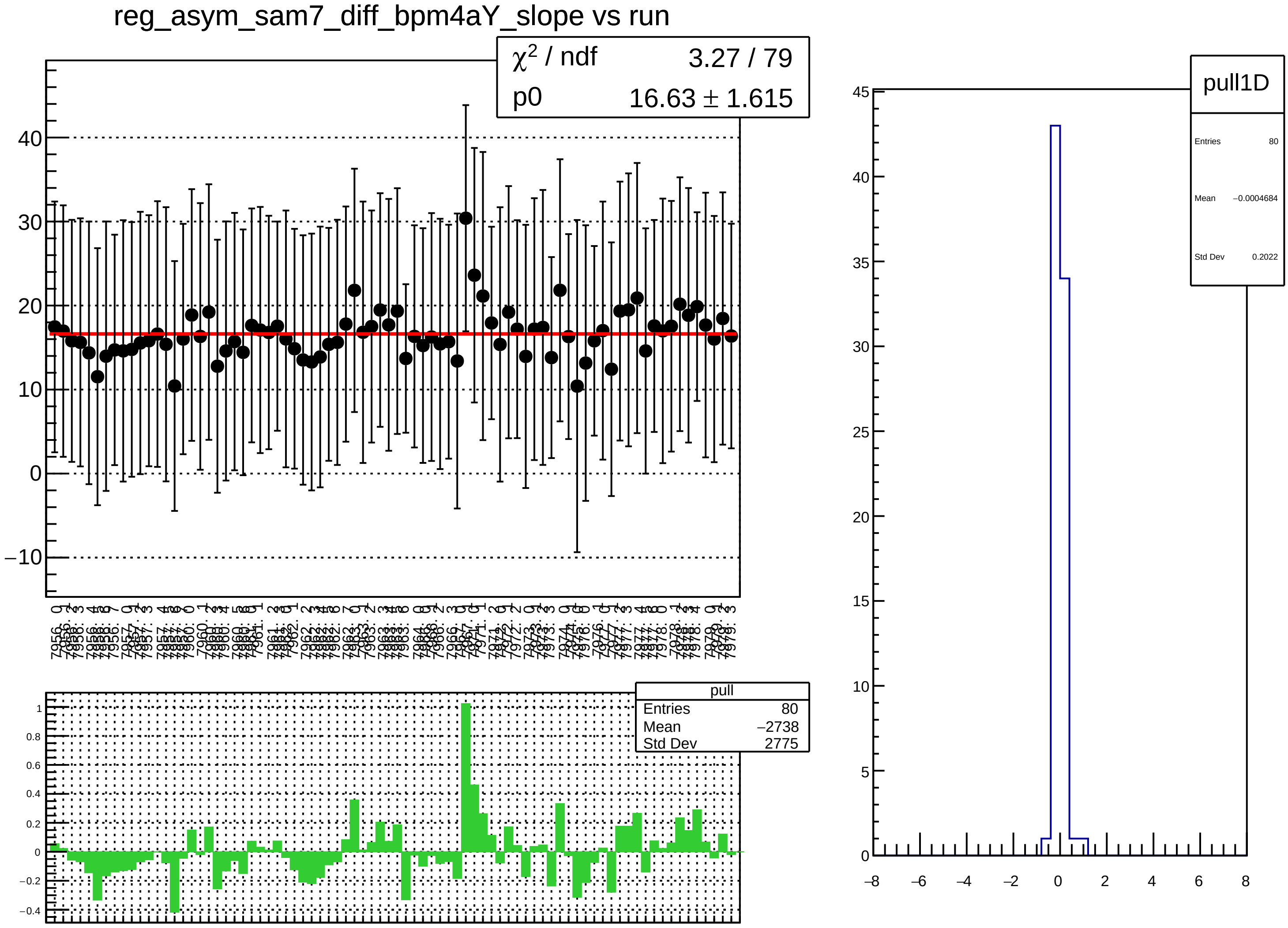

reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 6.993 / 79
p0 −12.03 ± 2.998
pull
Entries 80
Mean 372.5
Std Dev 331.5
pull1D
Entries 80
Mean −0.005361
Std Dev 0.2956



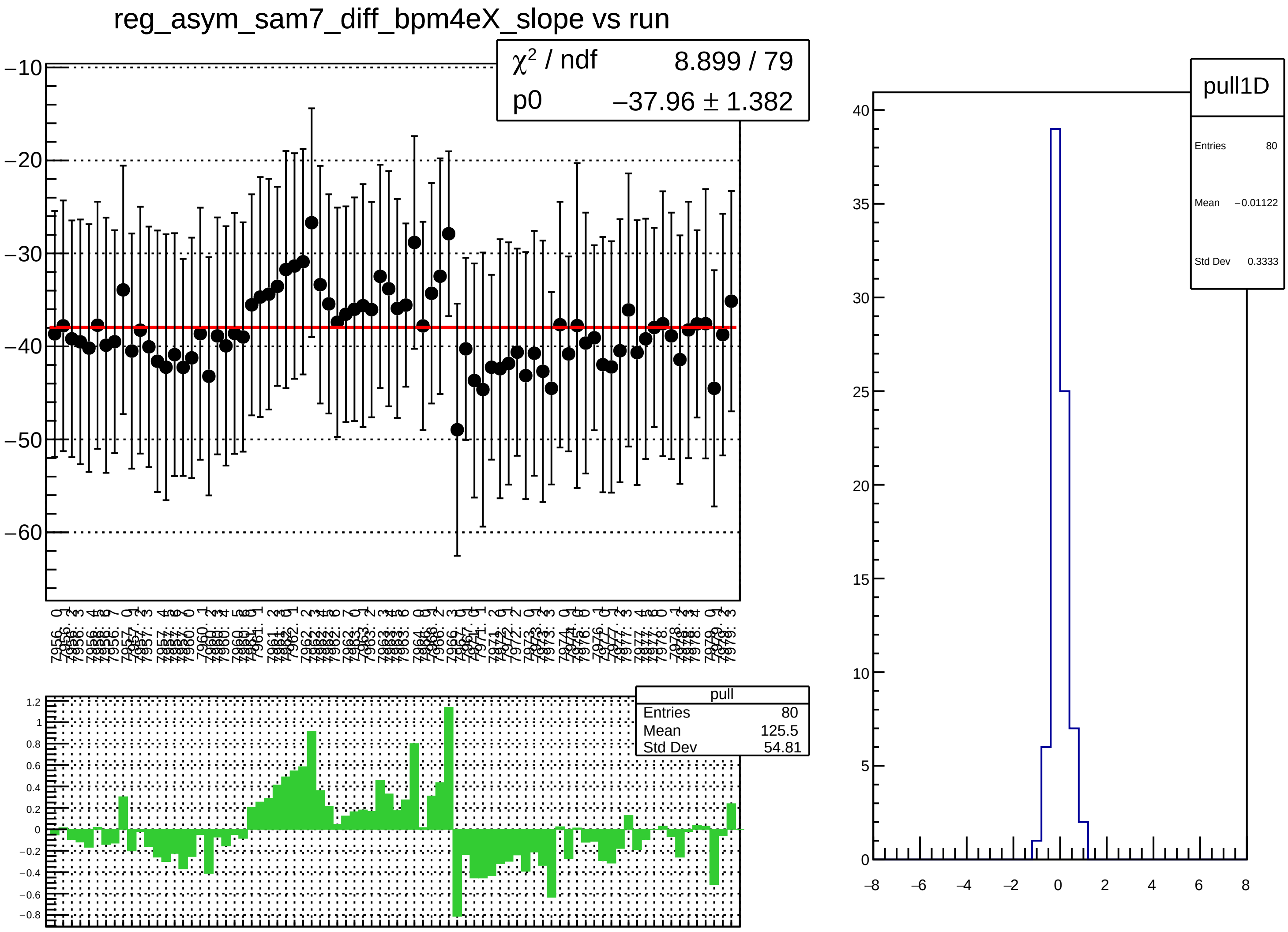
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 8.777 / 79
p0 −0.7304 ± 0.08656
pull
Entries 80
Mean −136.4
Std Dev 184.9
pull1D
Entries 80
Mean −0.01066
Std Dev 0.331

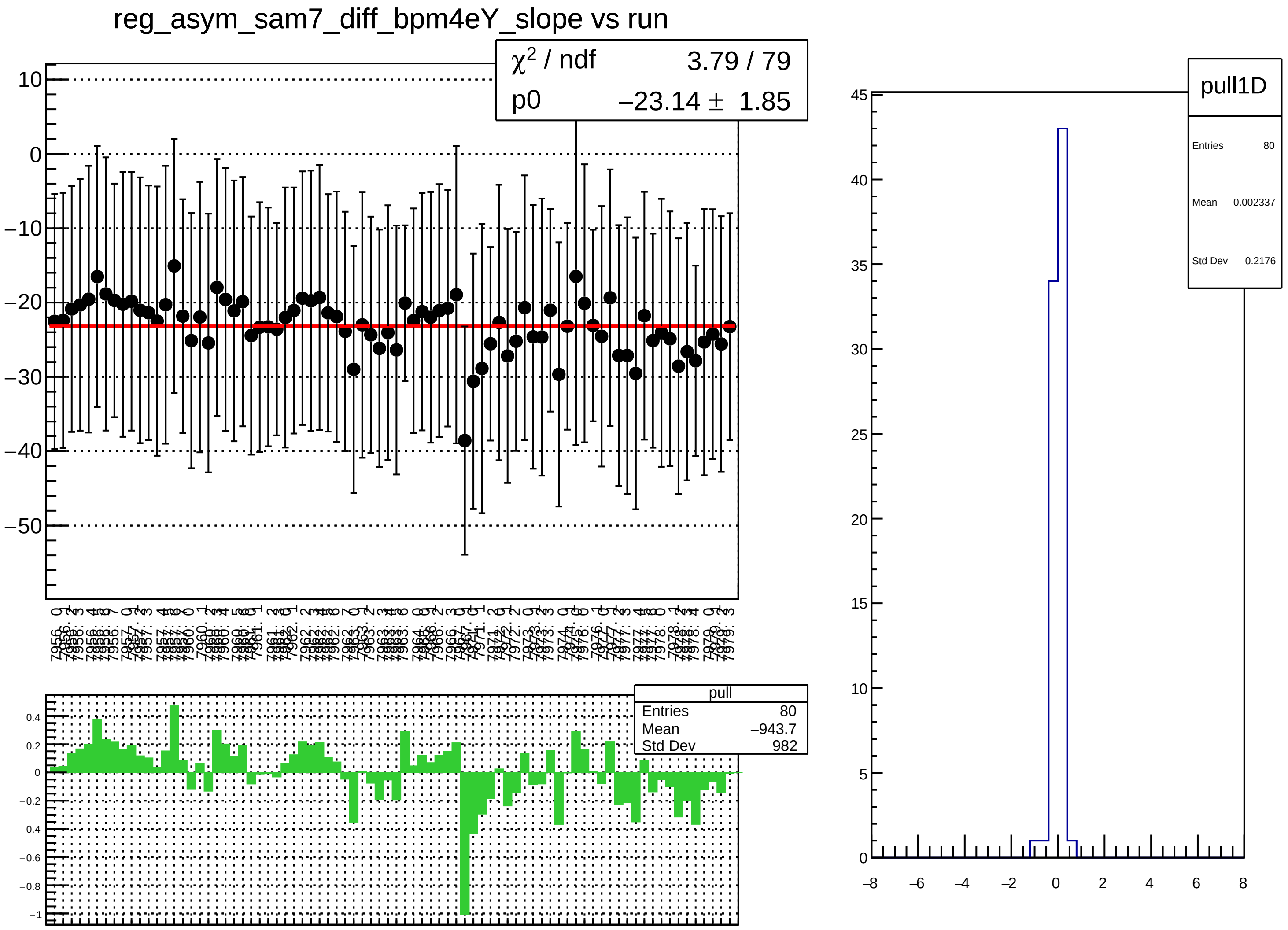


reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 9.555 / 79
p0 −4.046 ± 1.562
pull
Entries 80
Mean 524.8
Std Dev 458
pull1D
Entries 80
Mean 0.001722
Std Dev 0.3456

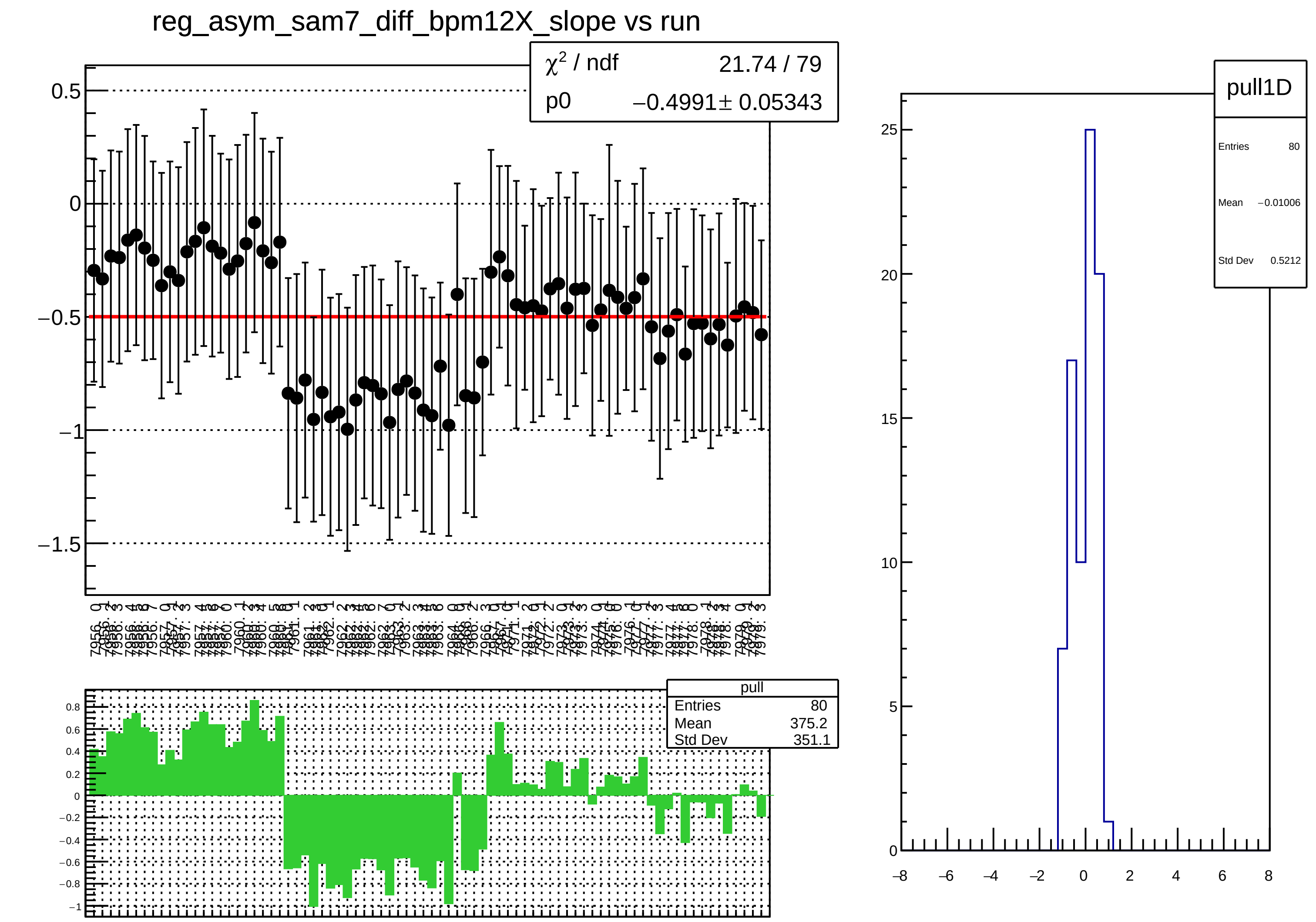


reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 3.27 / 79
p0 16.63 ± 1.615
pull
Entries 80
Mean −2738
Std Dev 2775
pull1D
Entries 80
Mean −0.0004684
Std Dev 0.2022

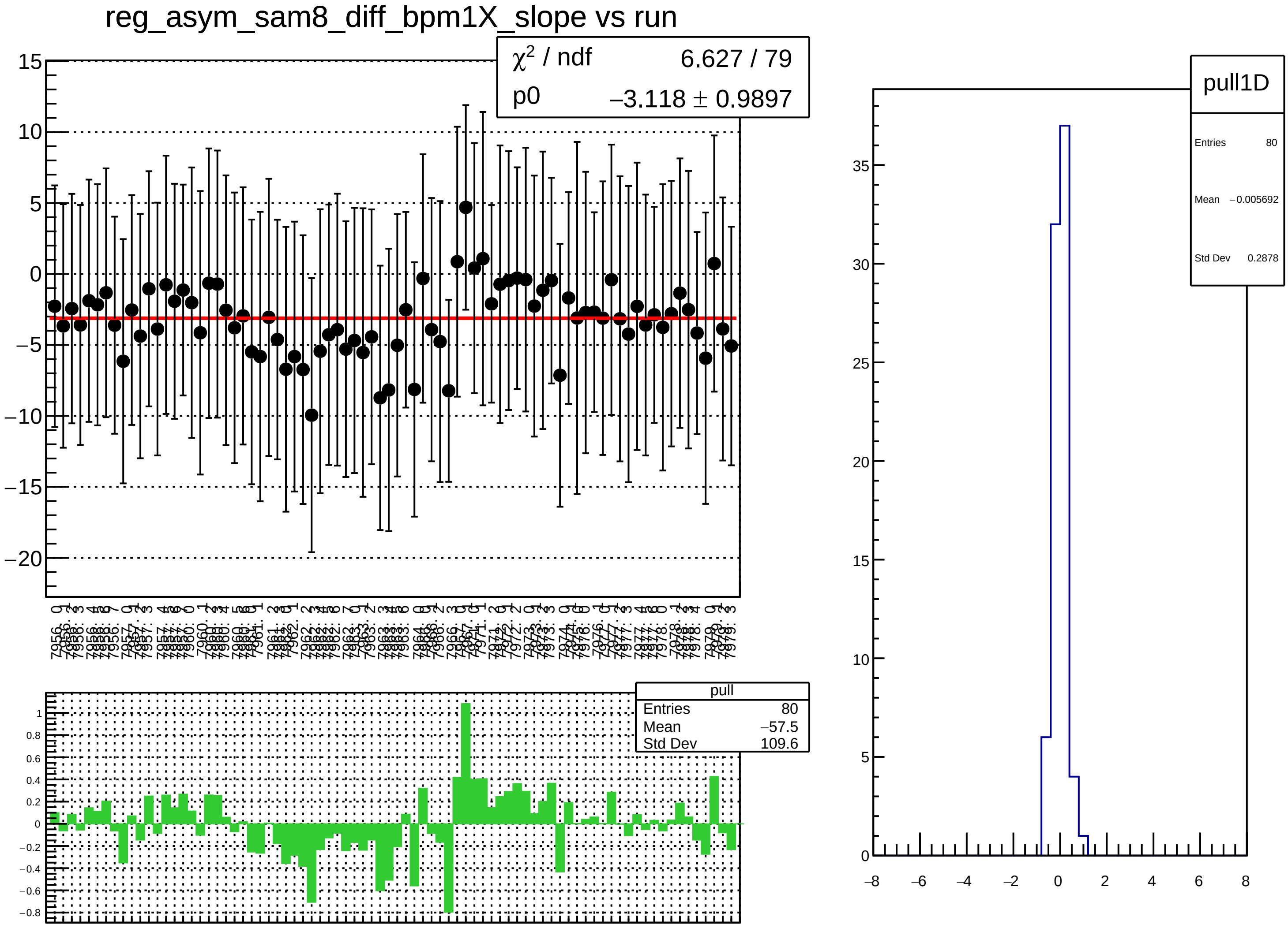

reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 8.899 / 79
p0 −37.96 ± 1.382
−10
−20
−30
−40
−50
−60
pull
Entries 80
Mean 125.5
Std Dev 54.81
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.01122
Std Dev 0.3333
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



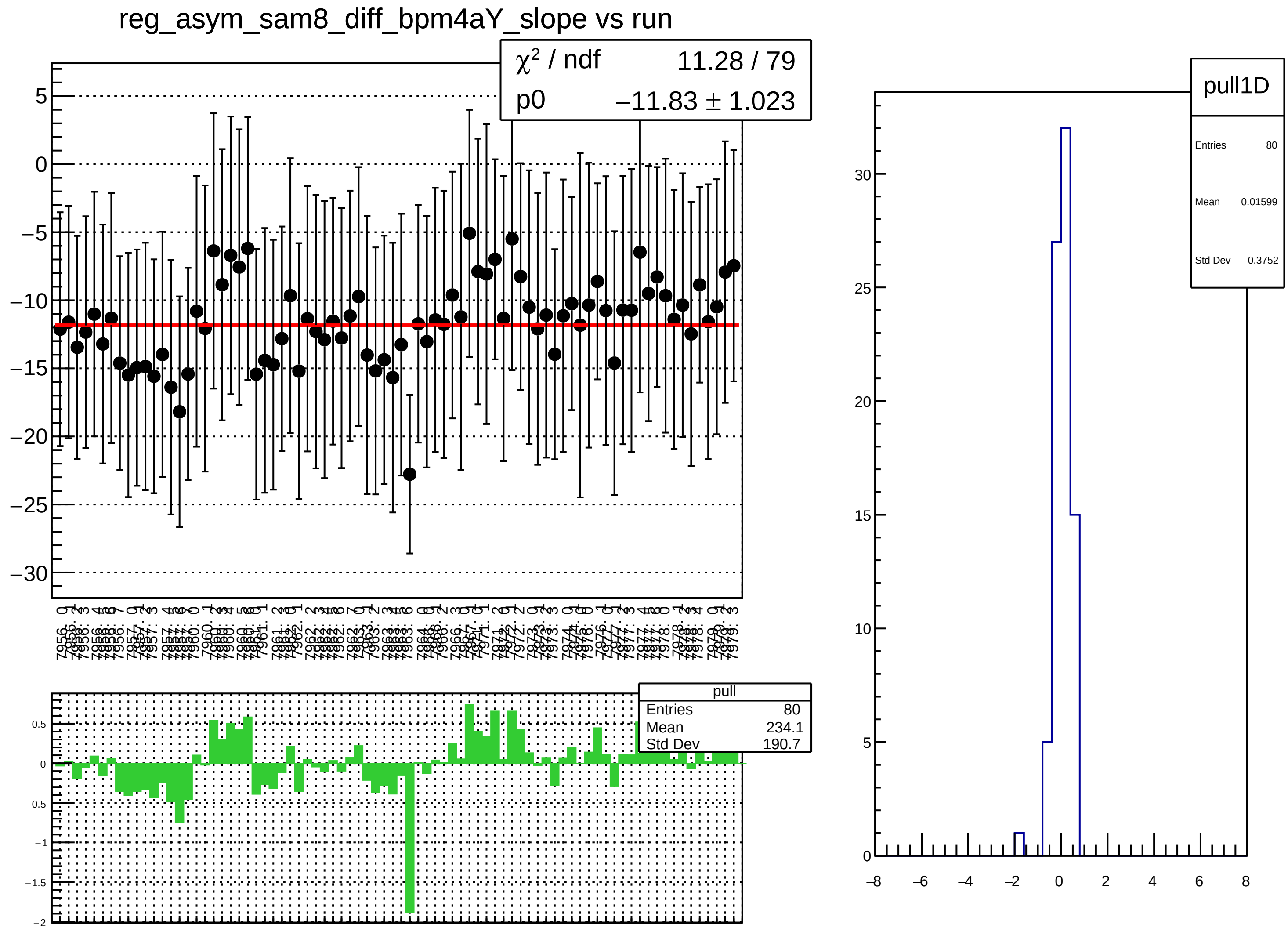
reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 3.79 / 79
p0 −23.14 ± 1.85
pull
Entries 80
Mean −943.7
Std Dev 982
pull1D
Entries 80
Mean 0.002337
Std Dev 0.2176

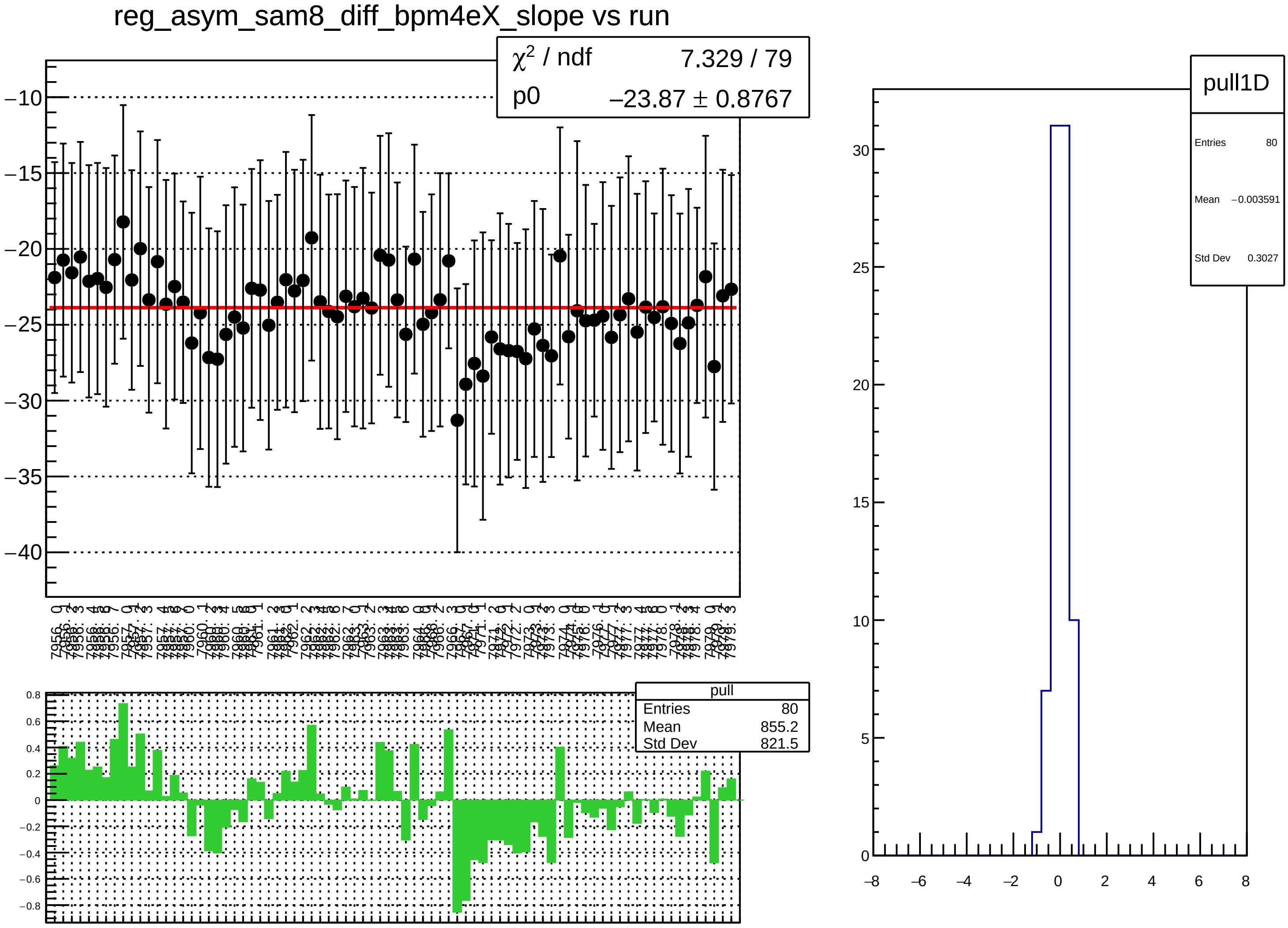


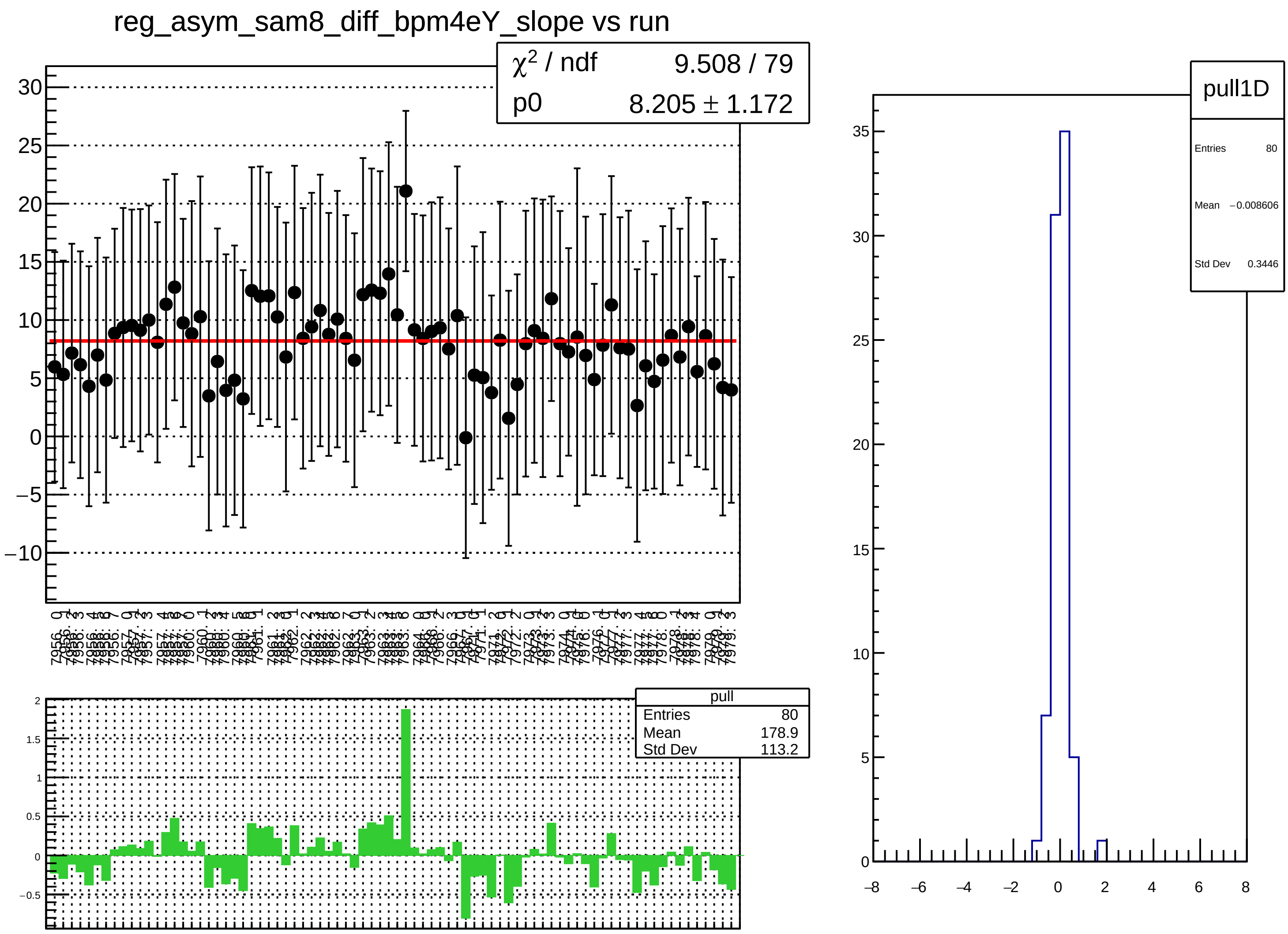
reg_asym_sam7_diff_bpm12X_slope vs run
χ2 / ndf 21.74 / 79
p0 −0.4991± 0.05343
pull
Entries 80
Mean 375.2
Std Dev 351.1
pull1D
Entries 80
Mean −0.01006
Std Dev 0.5212

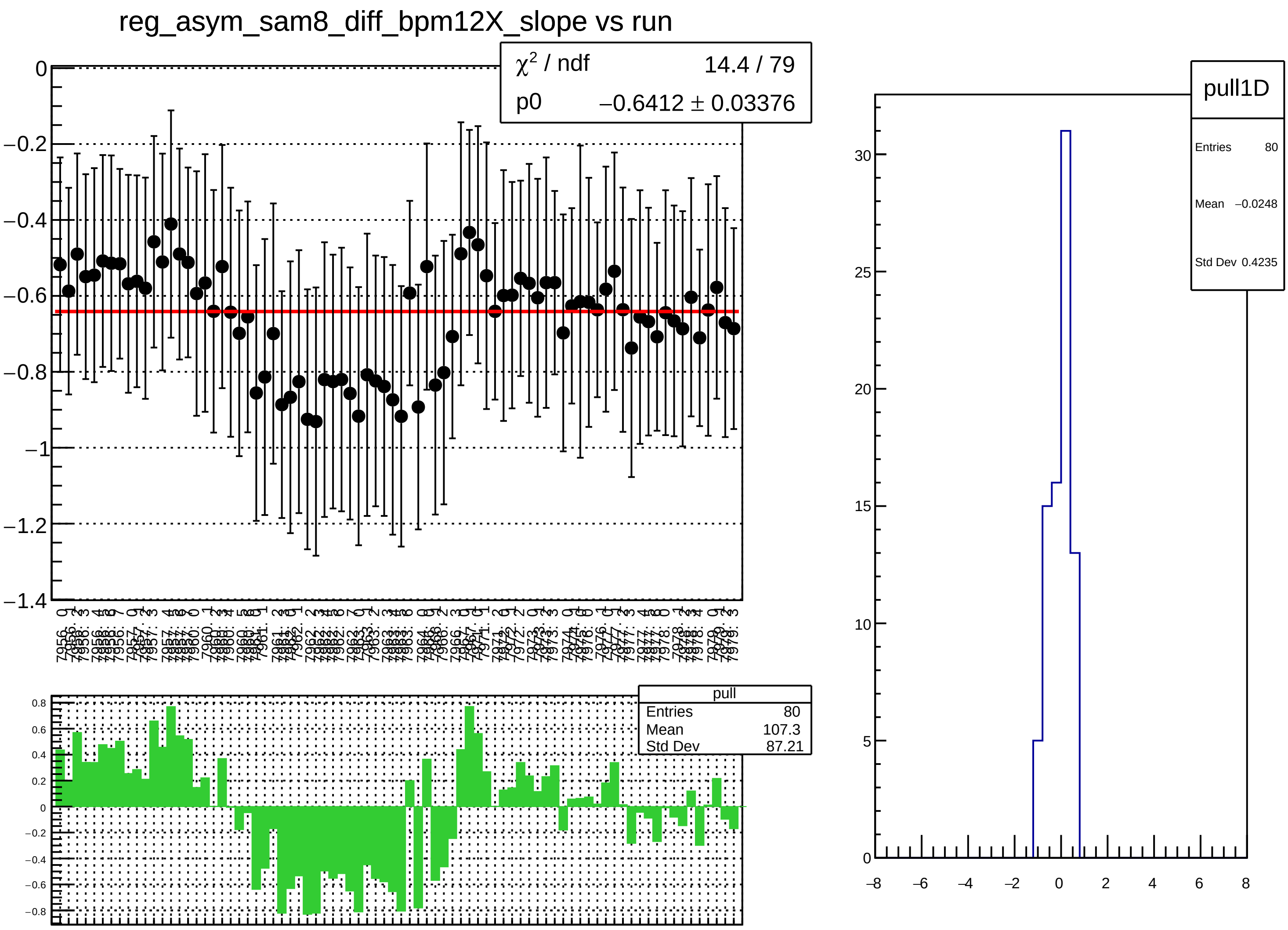


reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 6.627 / 79
p0 −3.118 ± 0.9897
pull
Entries 80
Mean −57.5
Std Dev 109.6
pull1D
Entries 80
Mean −0.005692
Std Dev 0.2878

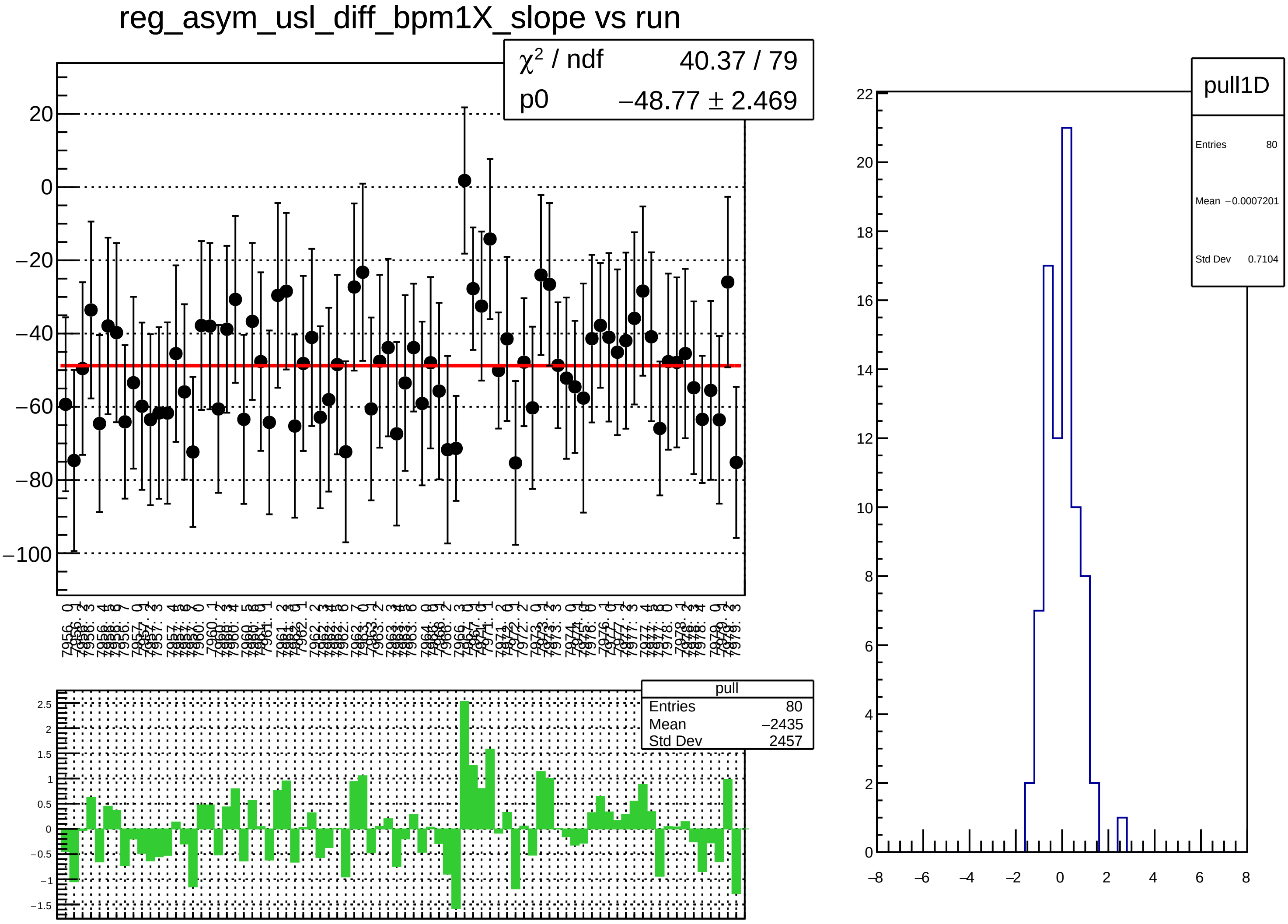

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 11.28 / 79
p0 −11.83 ± 1.023
pull
Entries 80
Mean 234.1
Std Dev 190.7
pull1D
Entries 80
Mean 0.01599
Std Dev 0.3752


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

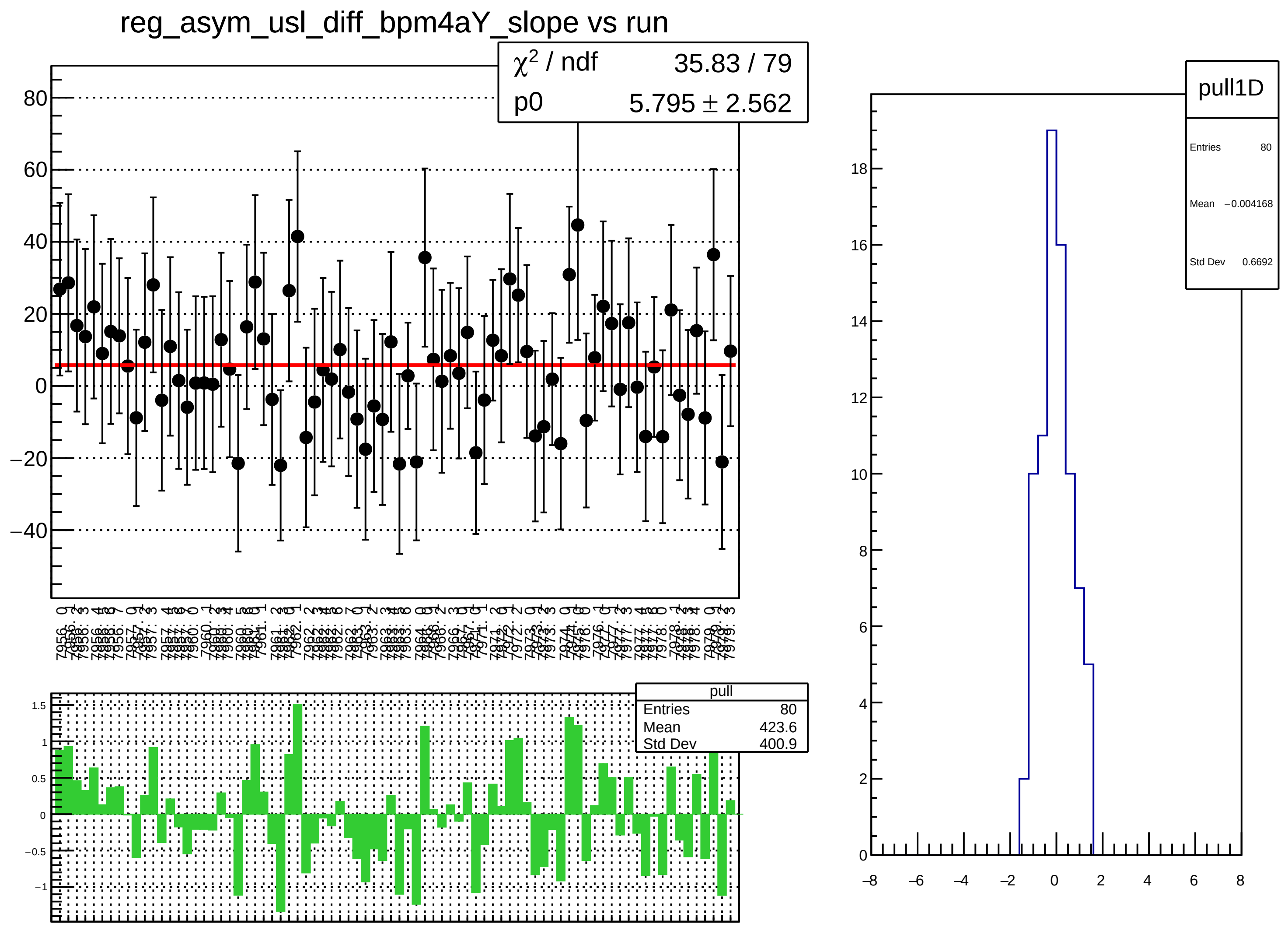

reg_asym_sam8_diff_bpm4eY_slope vs run
χ2 / ndf 9.508 / 79
p0 8.205 ± 1.172
pull
Entries 80
Mean 178.9
Std Dev 113.2
pull1D
Entries 80
Mean −0.008606
Std Dev 0.3446



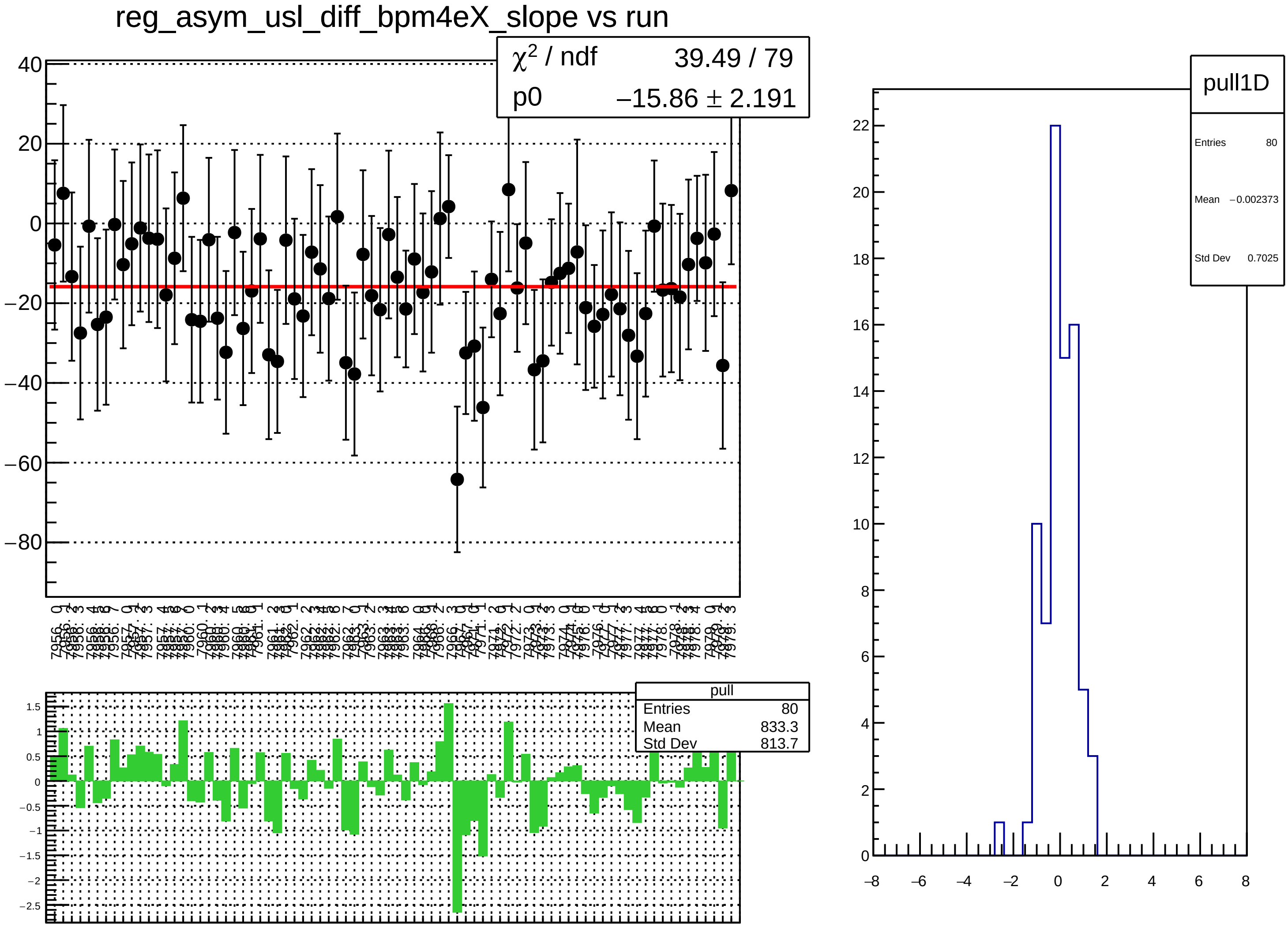
reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 14.4 / 79
p0 −0.6412 ± 0.03376
pull
Entries 80
Mean 107.3
Std Dev 87.21
pull1D
Entries 80
Mean −0.0248
Std Dev 0.4235



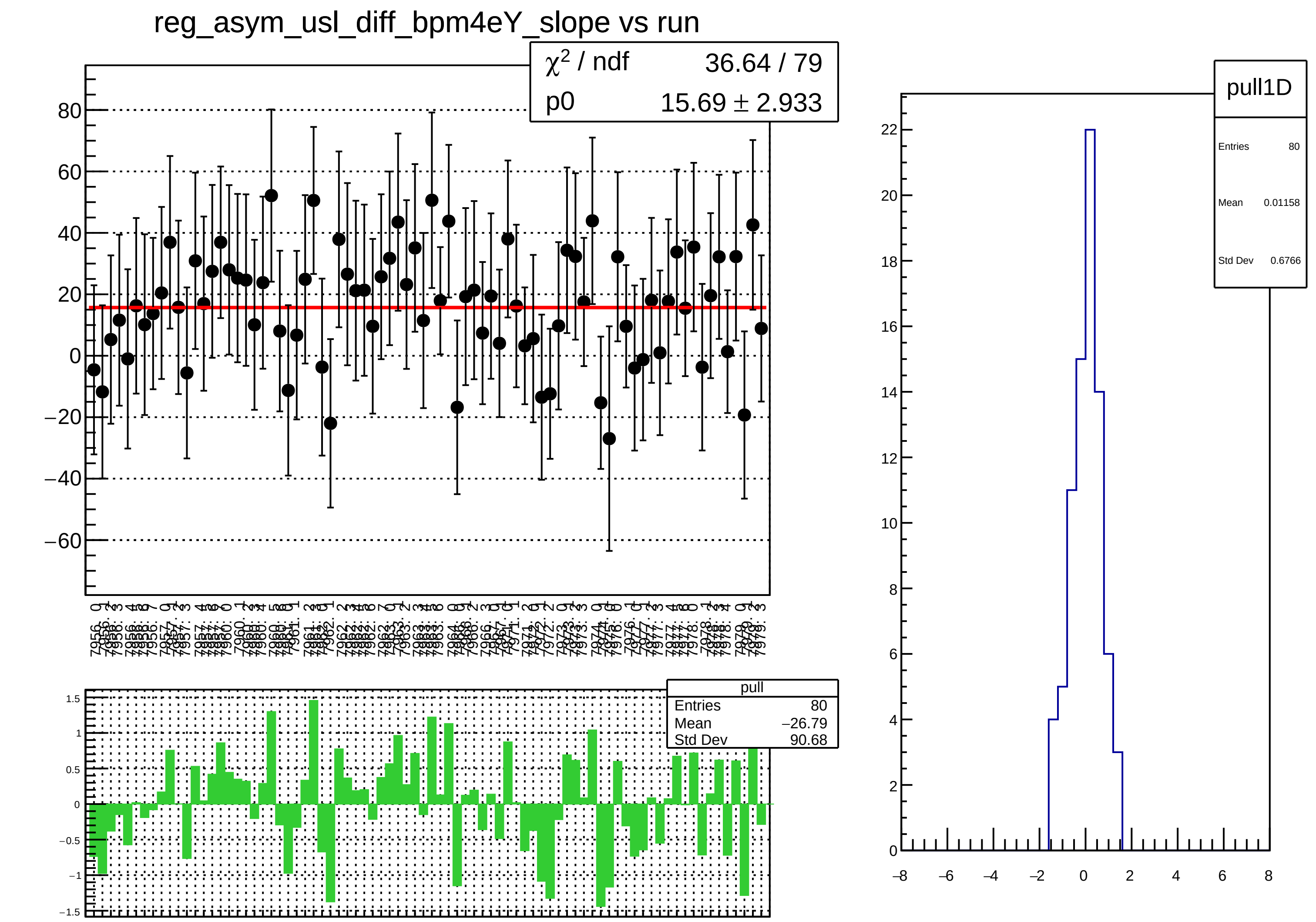
reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 40.37 / 79
p0 −48.77 ± 2.469
pull
Entries 80
Mean −2435
Std Dev 2457
pull1D
Entries 80
Mean −0.0007201
Std Dev 0.7104

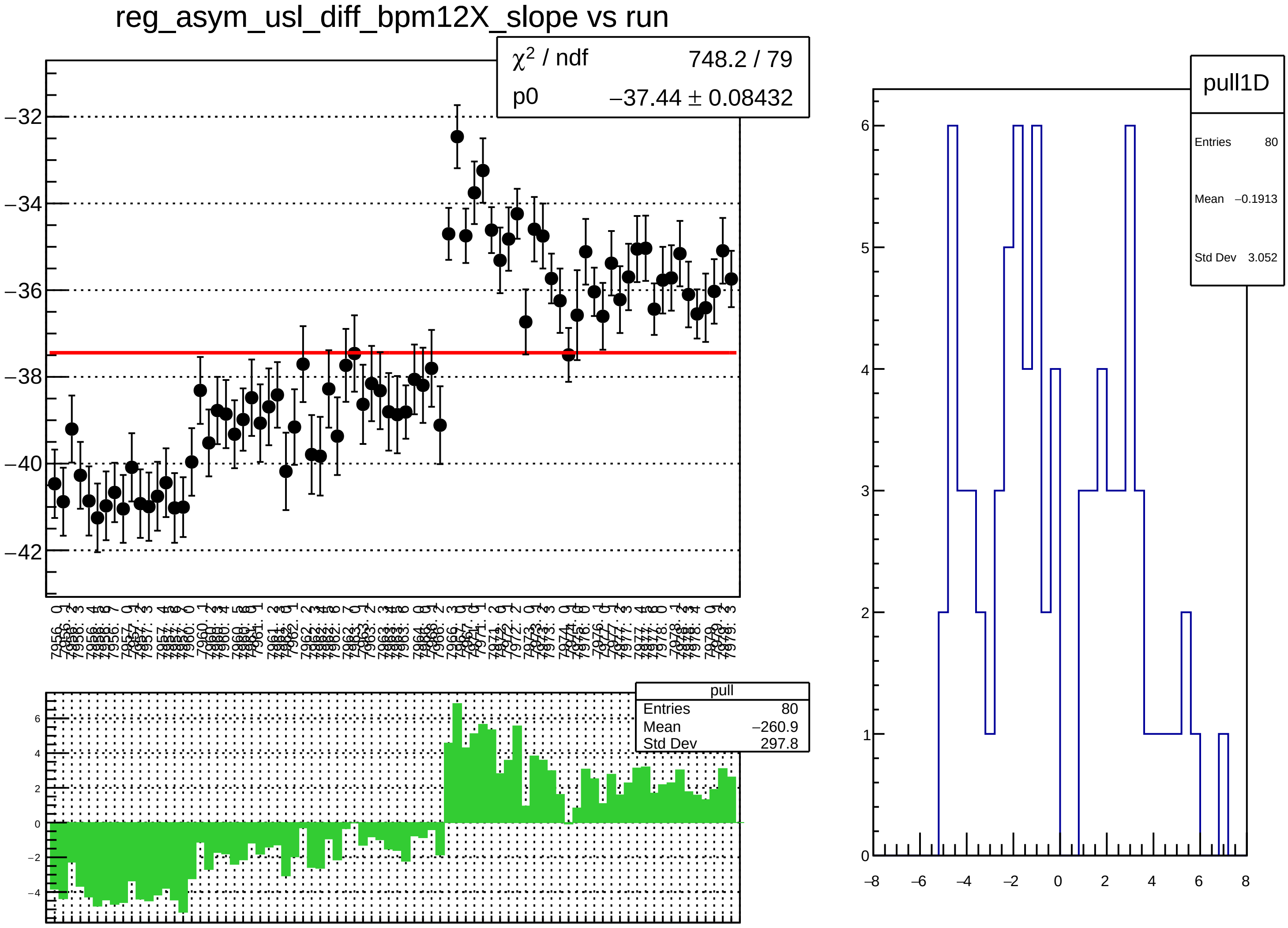


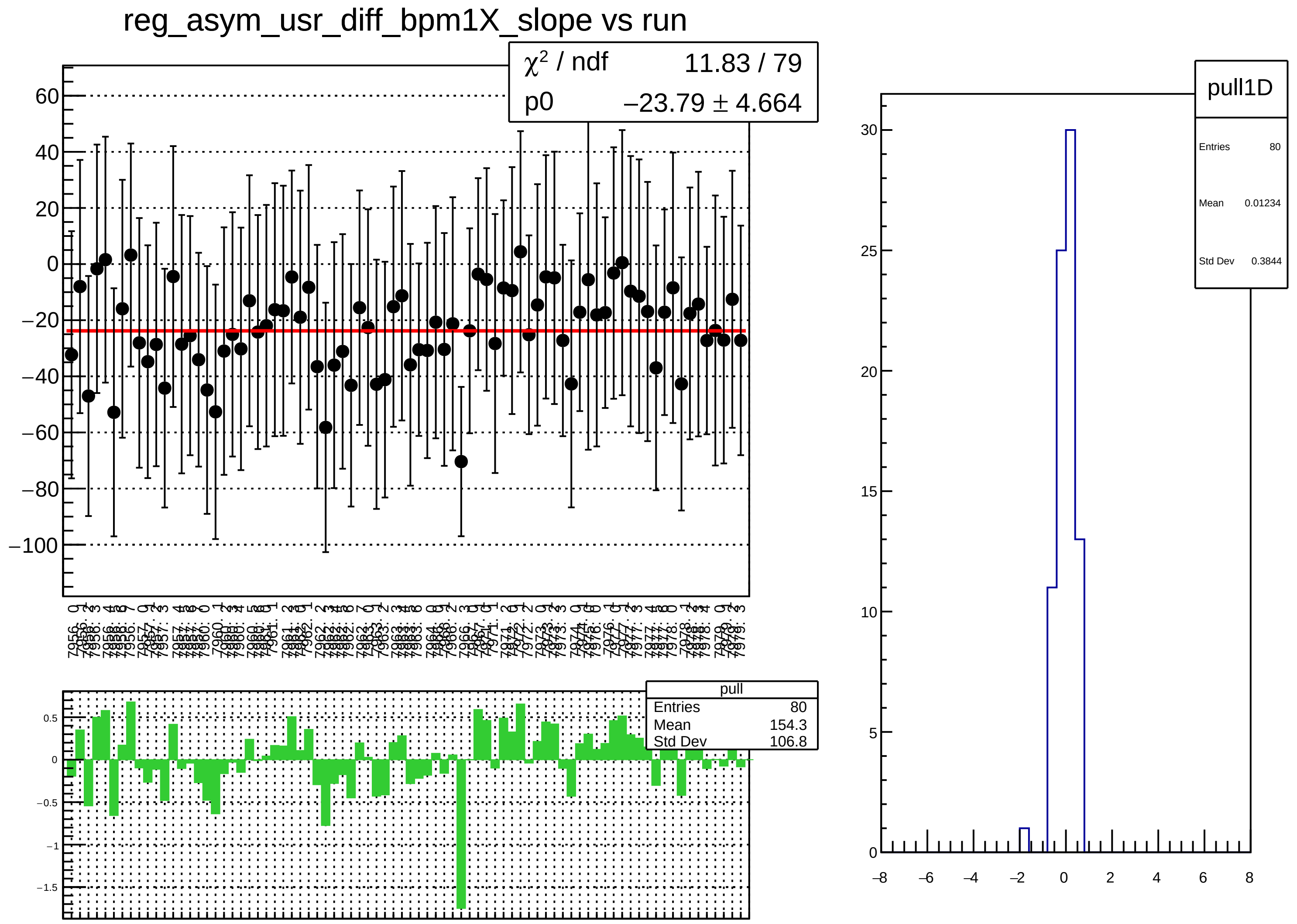
reg_asym_usl_diff_bpm4aY_slope vs run
χ2 / ndf 35.83 / 79
p0 5.795 ± 2.562
pull
Entries 80
Mean 423.6
Std Dev 400.9
pull1D
Entries 80
Mean −0.004168
Std Dev 0.6692

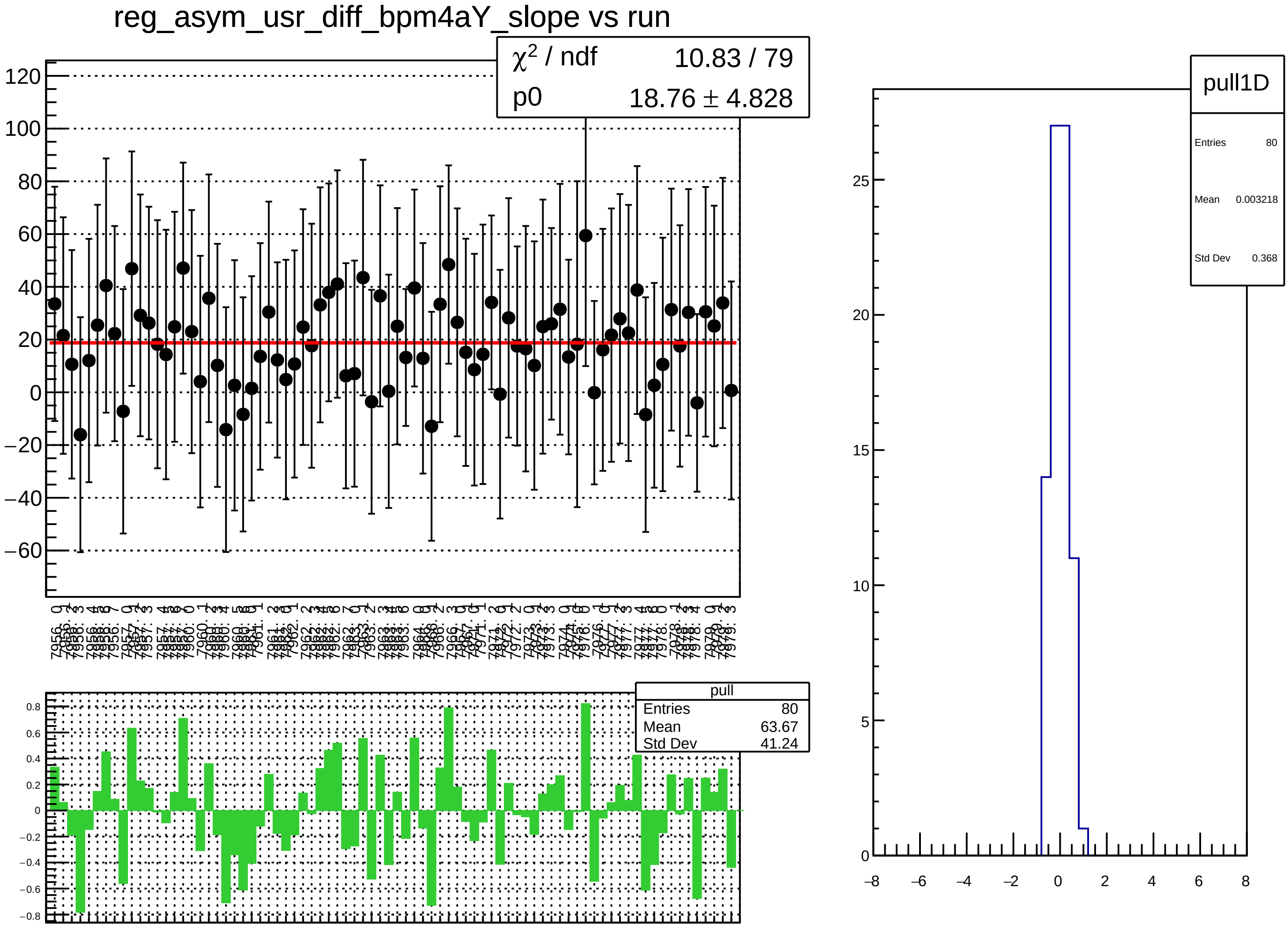


reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 39.49 / 79
p0 −15.86 ± 2.191
pull
Entries 80
Mean 833.3
Std Dev 813.7
pull1D
Entries 80
Mean −0.002373
Std Dev 0.7025

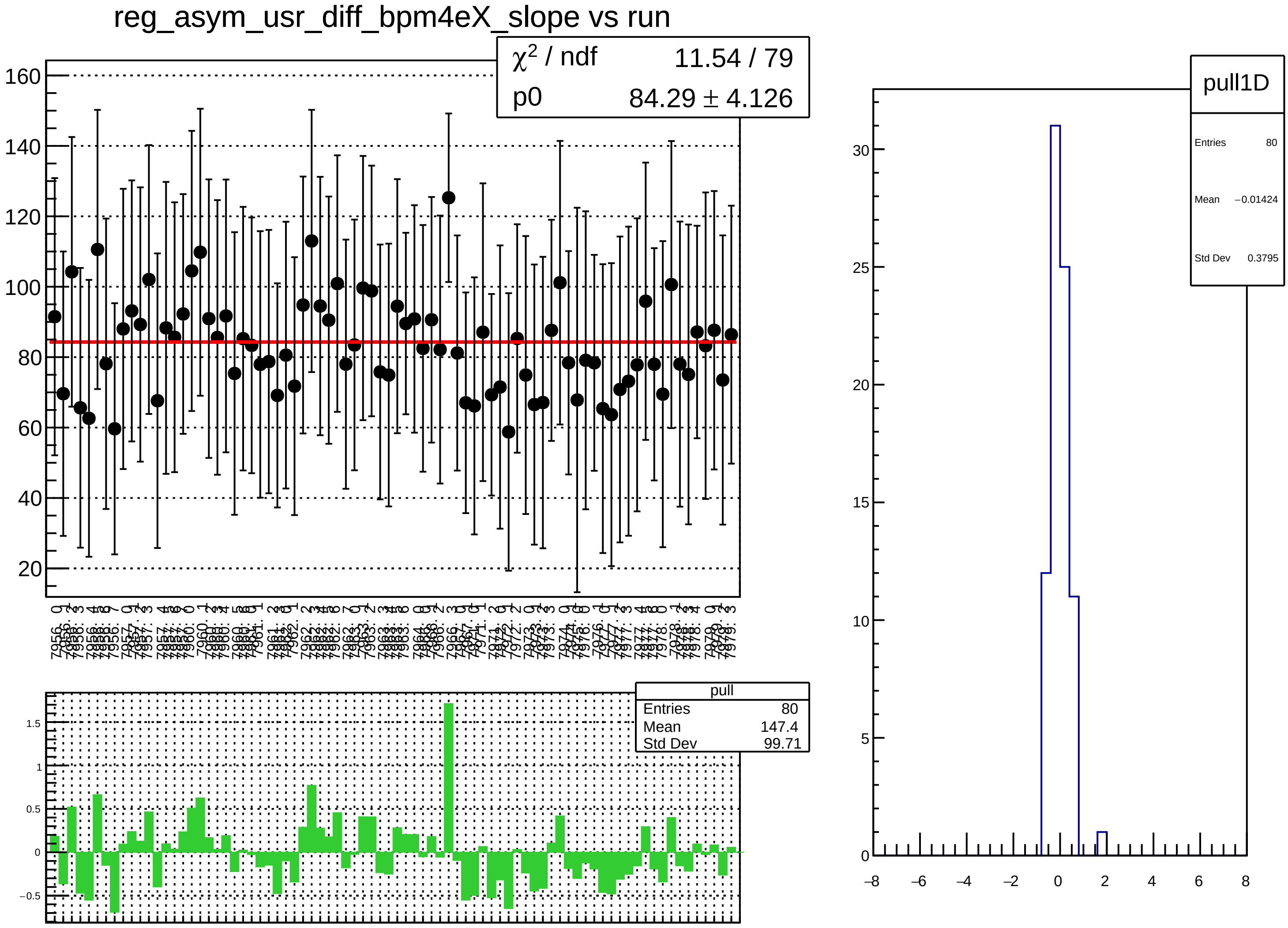

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 36.64 / 79
p0 15.69 ± 2.933
pull
Entries 80
Mean −26.79
Std Dev 90.68
pull1D
Entries 80
Mean 0.01158
Std Dev 0.6766


reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / 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

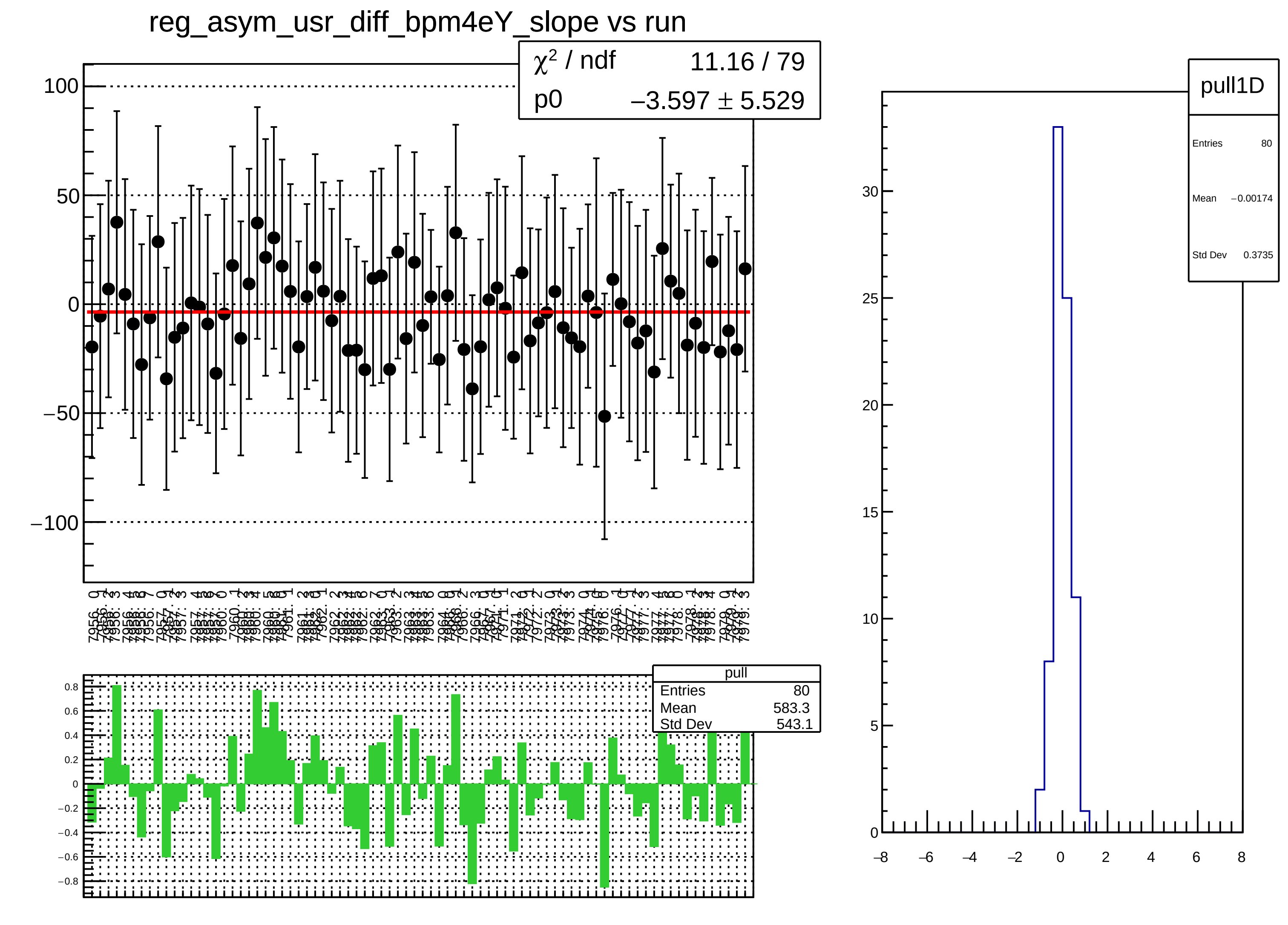

reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 11.83 / 79
p0 −23.79 ± 4.664
pull
Entries 80
Mean 154.3
Std Dev 106.8
pull1D
Entries 80
Mean 0.01234
Std Dev 0.3844



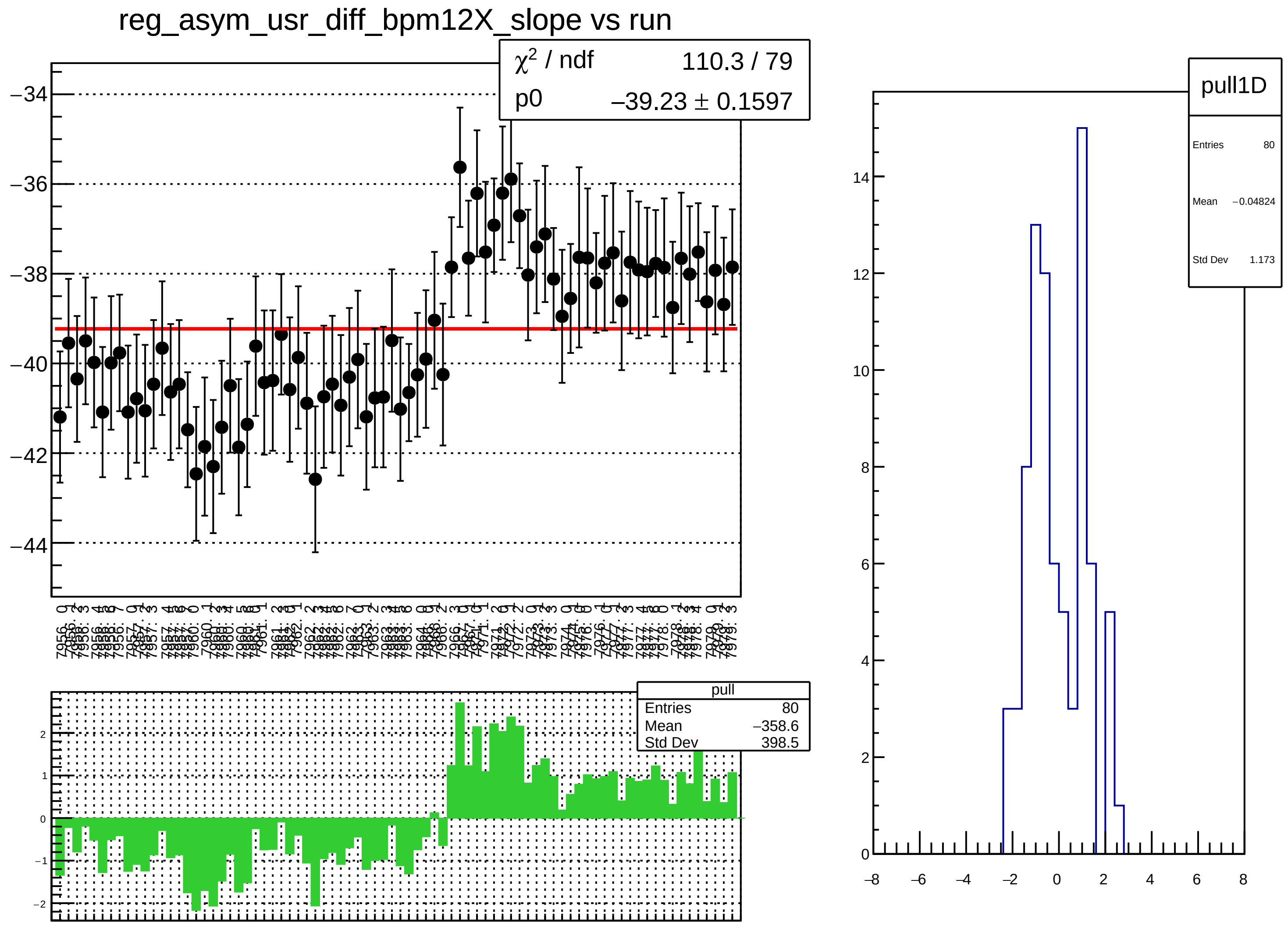
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 10.83 / 79
p0 18.76 ± 4.828
pull
Entries 80
Mean 63.67
Std Dev 41.24
pull1D
Entries 80
Mean 0.003218
Std Dev 0.368



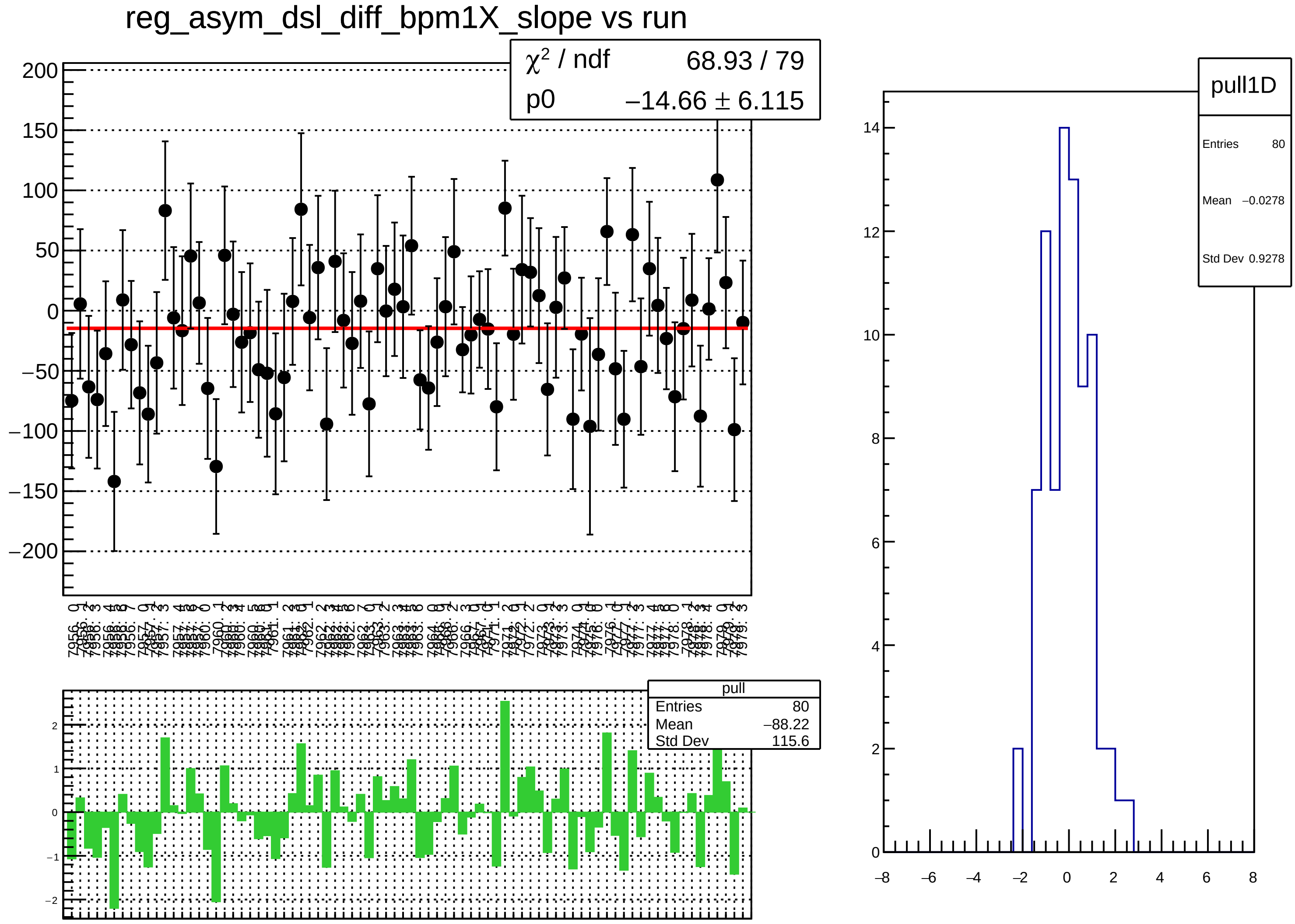
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 11.54 / 79
p0 84.29 ± 4.126
pull
Entries 80
Mean 147.4
Std Dev 99.71
pull1D
Entries 80
Mean −0.01424
Std Dev 0.3795

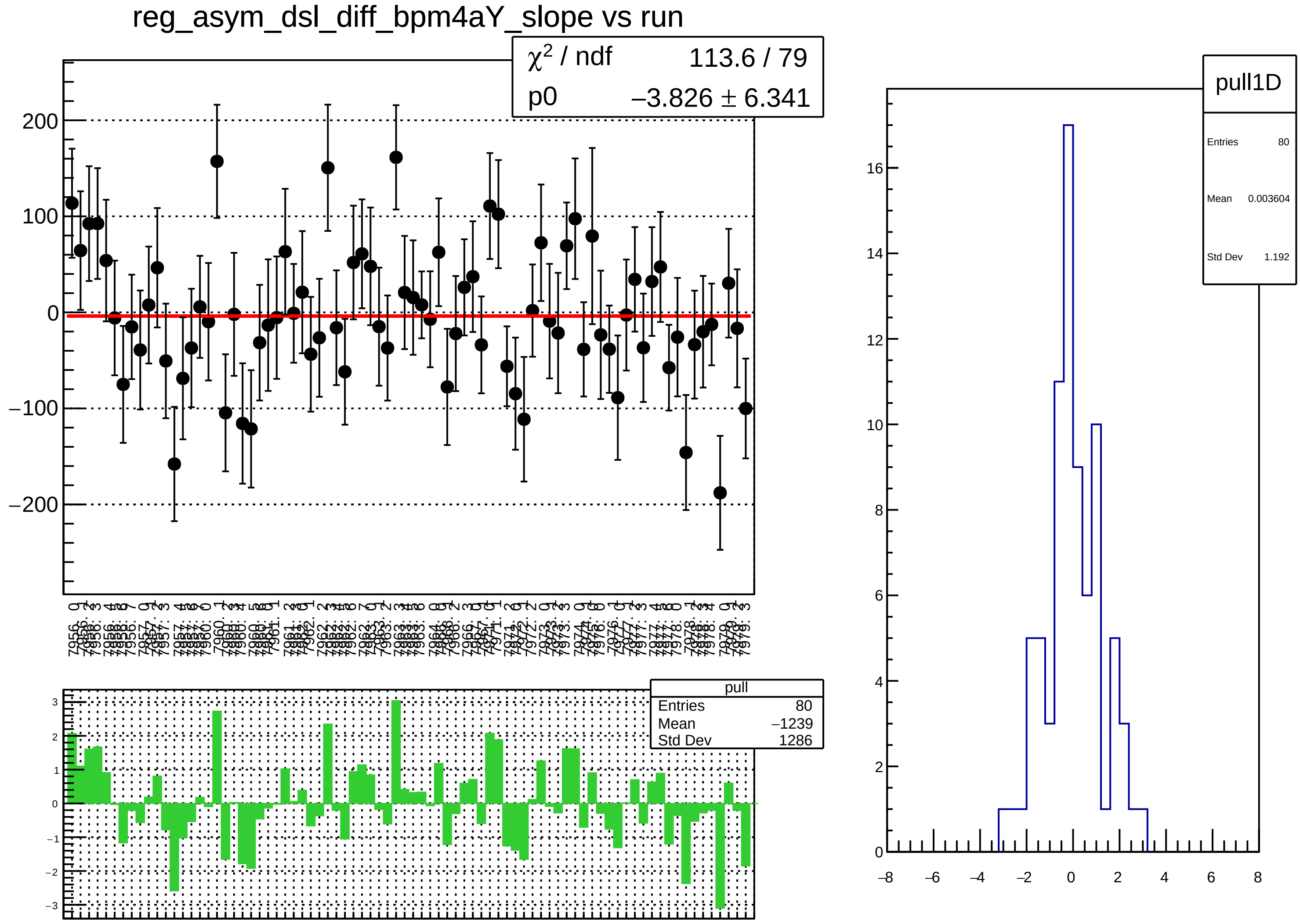


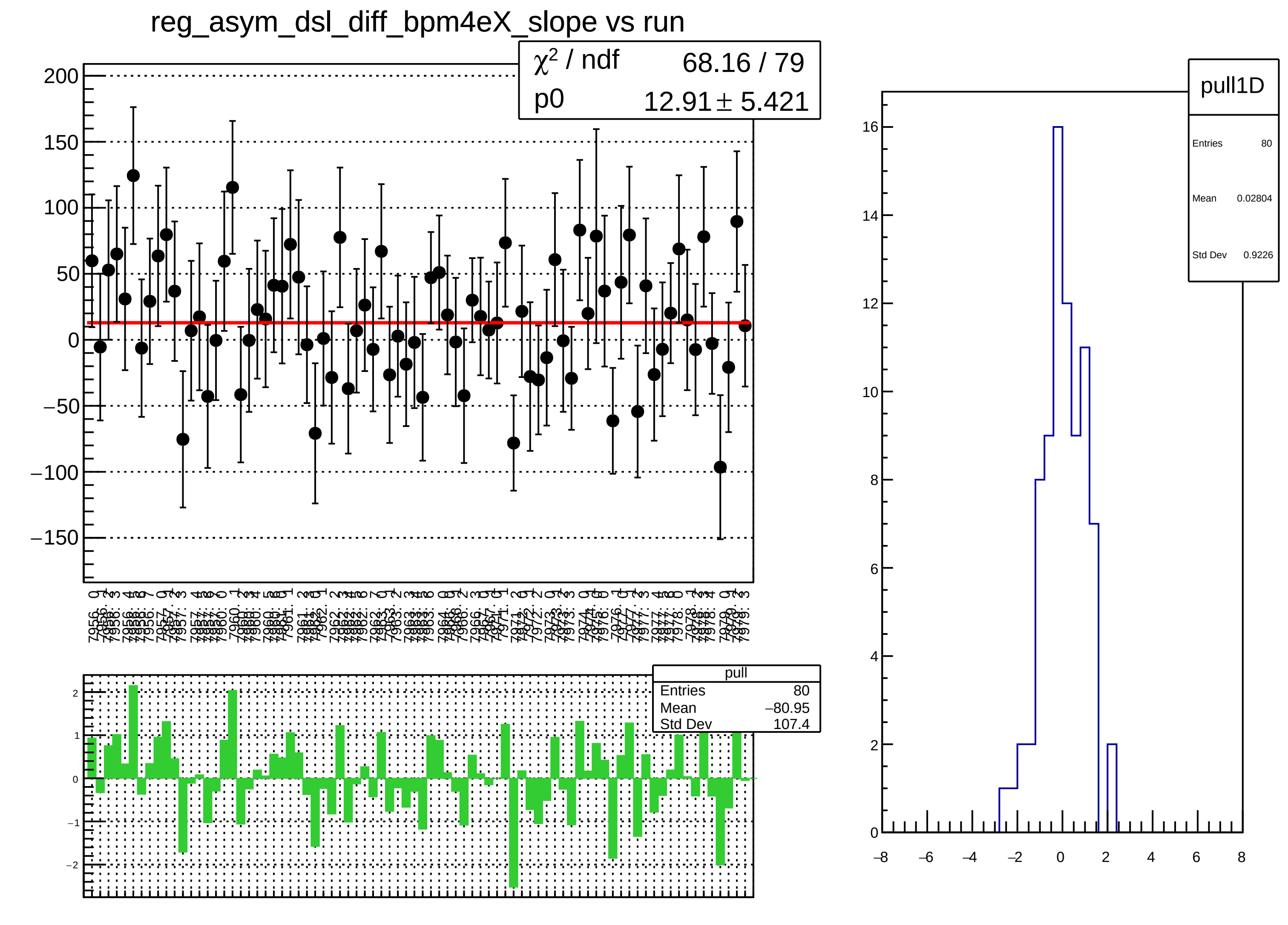
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 11.16 / 79
p0 −3.597 ± 5.529
100
50
0
−50
−100
pull
Entries 80
Mean 583.3
Std Dev 543.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.00174
Std Dev 0.3735
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



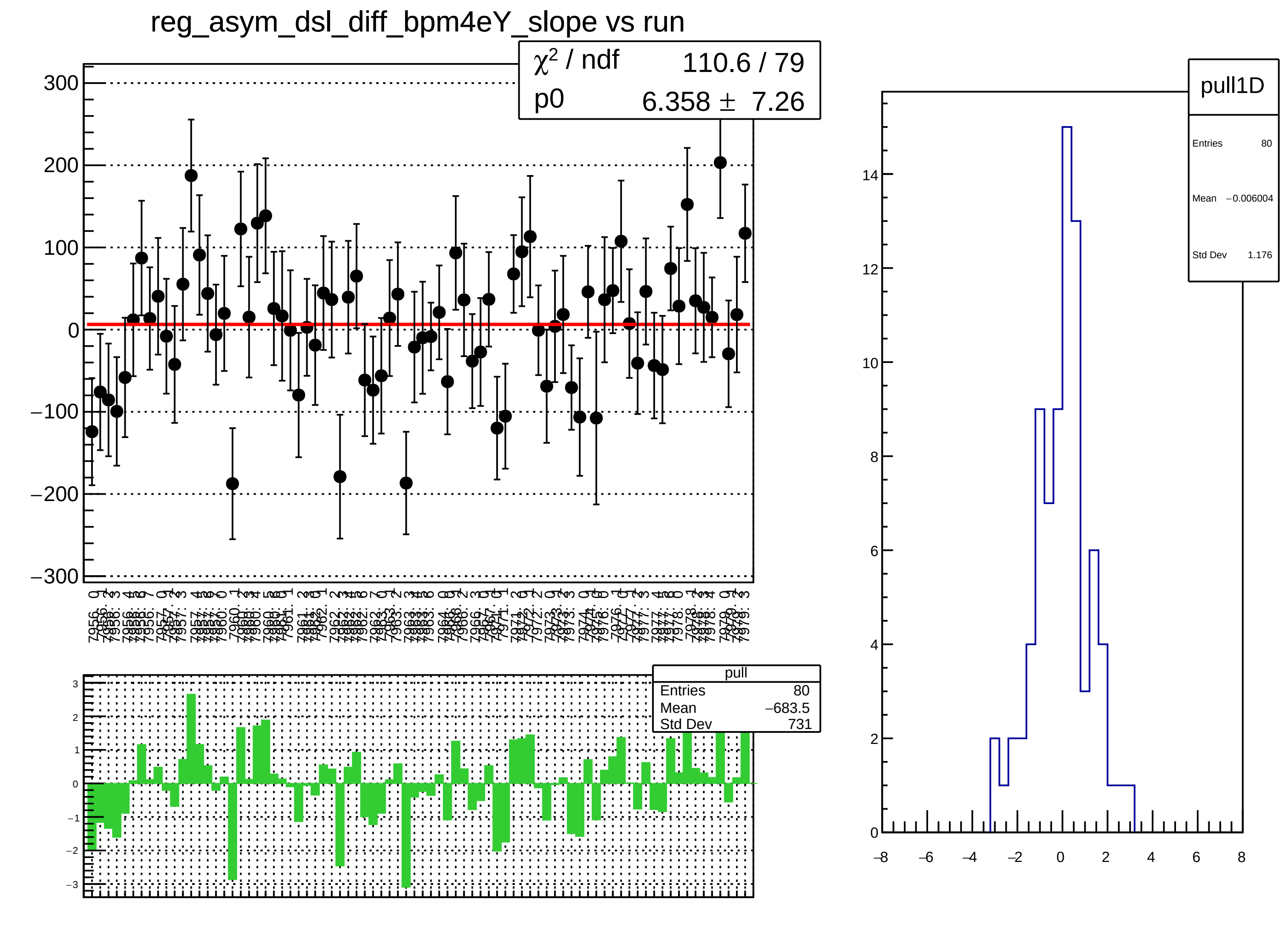
reg_asym_usr_diff_bpm12X_slope vs run
χ2 / ndf 110.3 / 79
p0 −39.23 ± 0.1597
−34
−36
−38
−40
−42
−44
pull
Entries 80
Mean −358.6
Std Dev 398.5
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.04824
Std Dev 1.173
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / 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

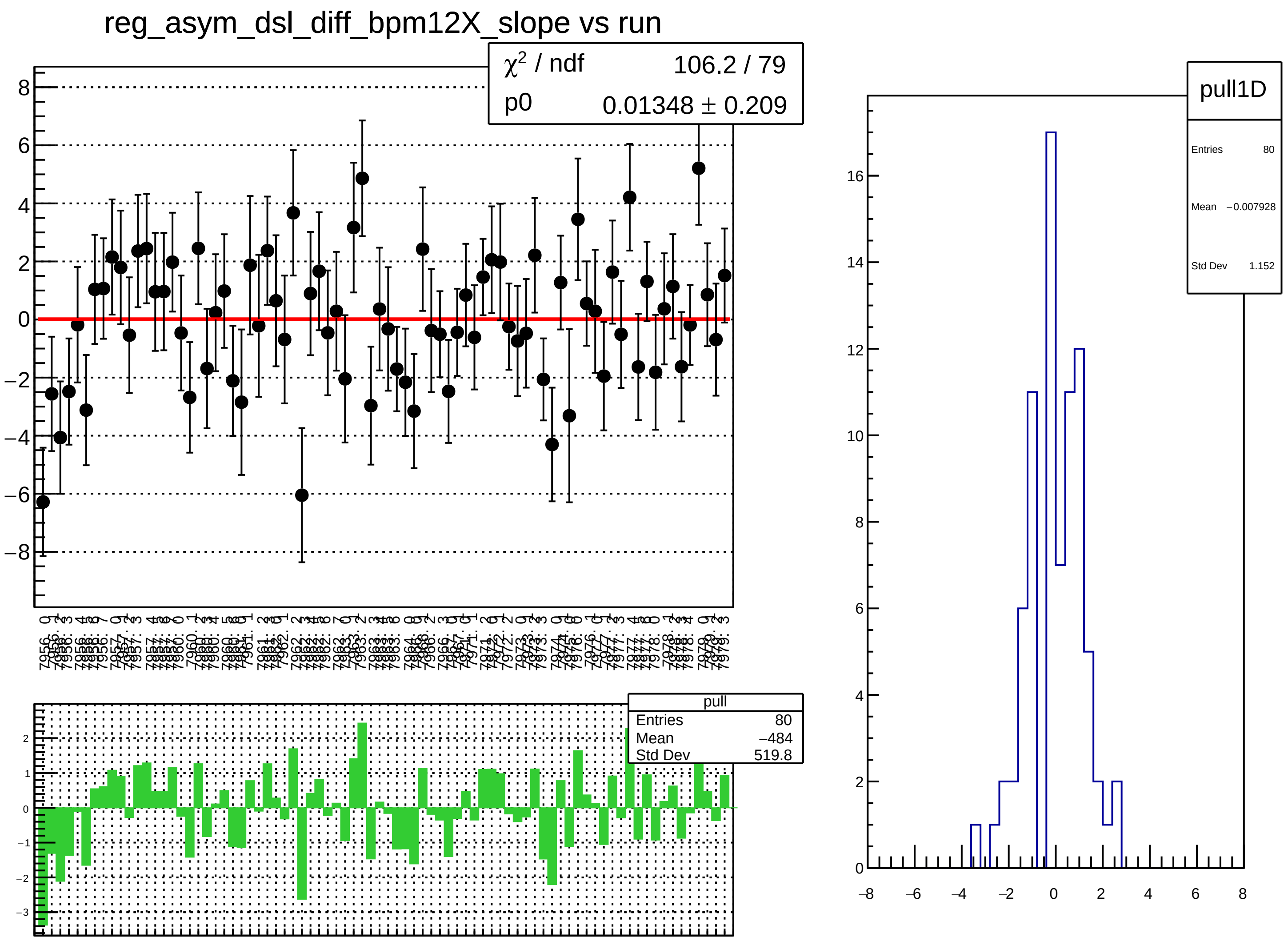

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 113.6 / 79
p0 −3.826 ± 6.341
pull
Entries 80
Mean −1239
Std Dev 1286
pull1D
Entries 80
Mean 0.003604
Std Dev 1.192



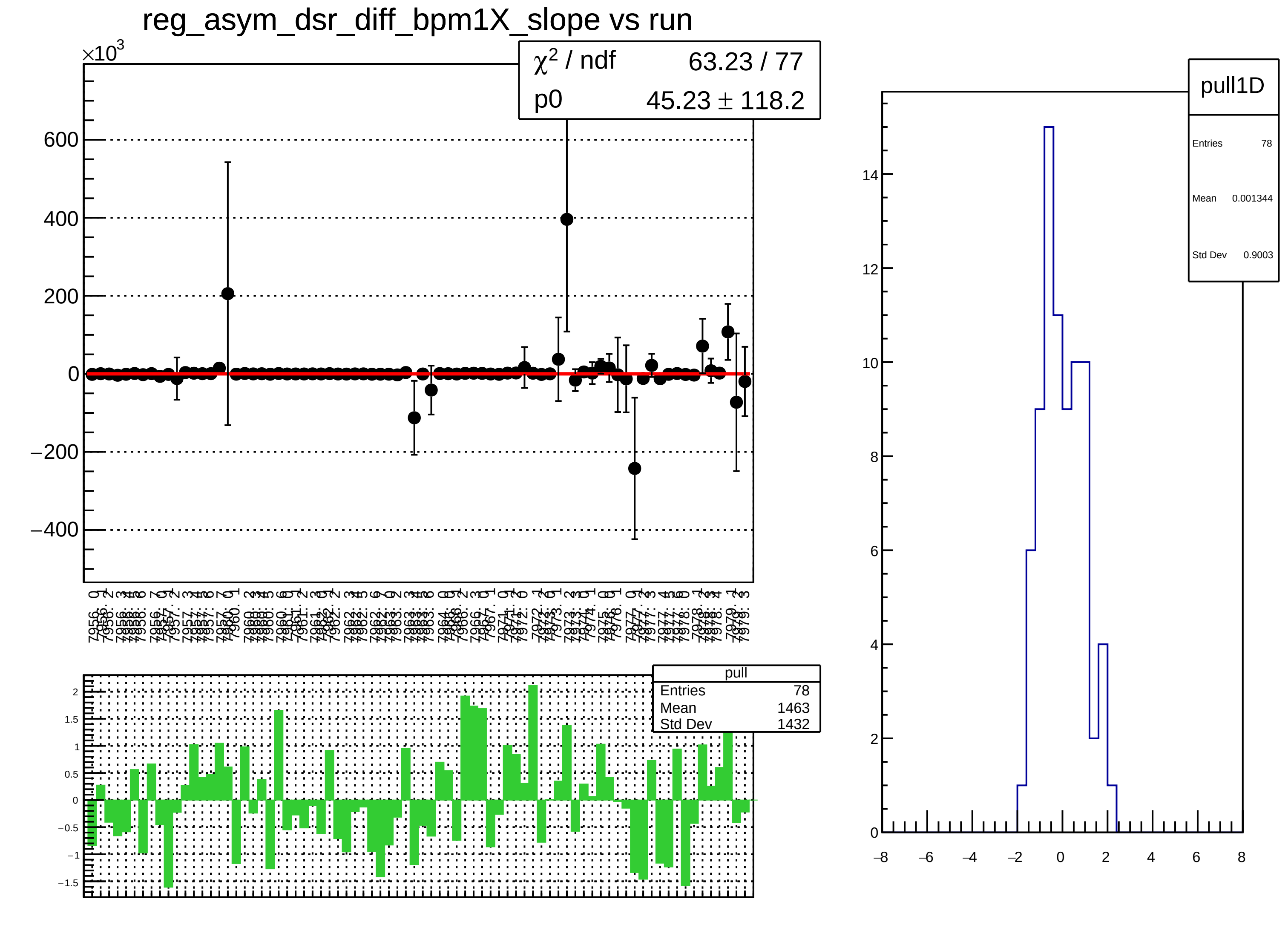
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 68.16 / 79
p0 12.91 ± 5.421
pull
Entries 80
Mean −80.95
Std Dev 107.4
pull1D
Entries 80
Mean 0.02804
Std Dev 0.9226



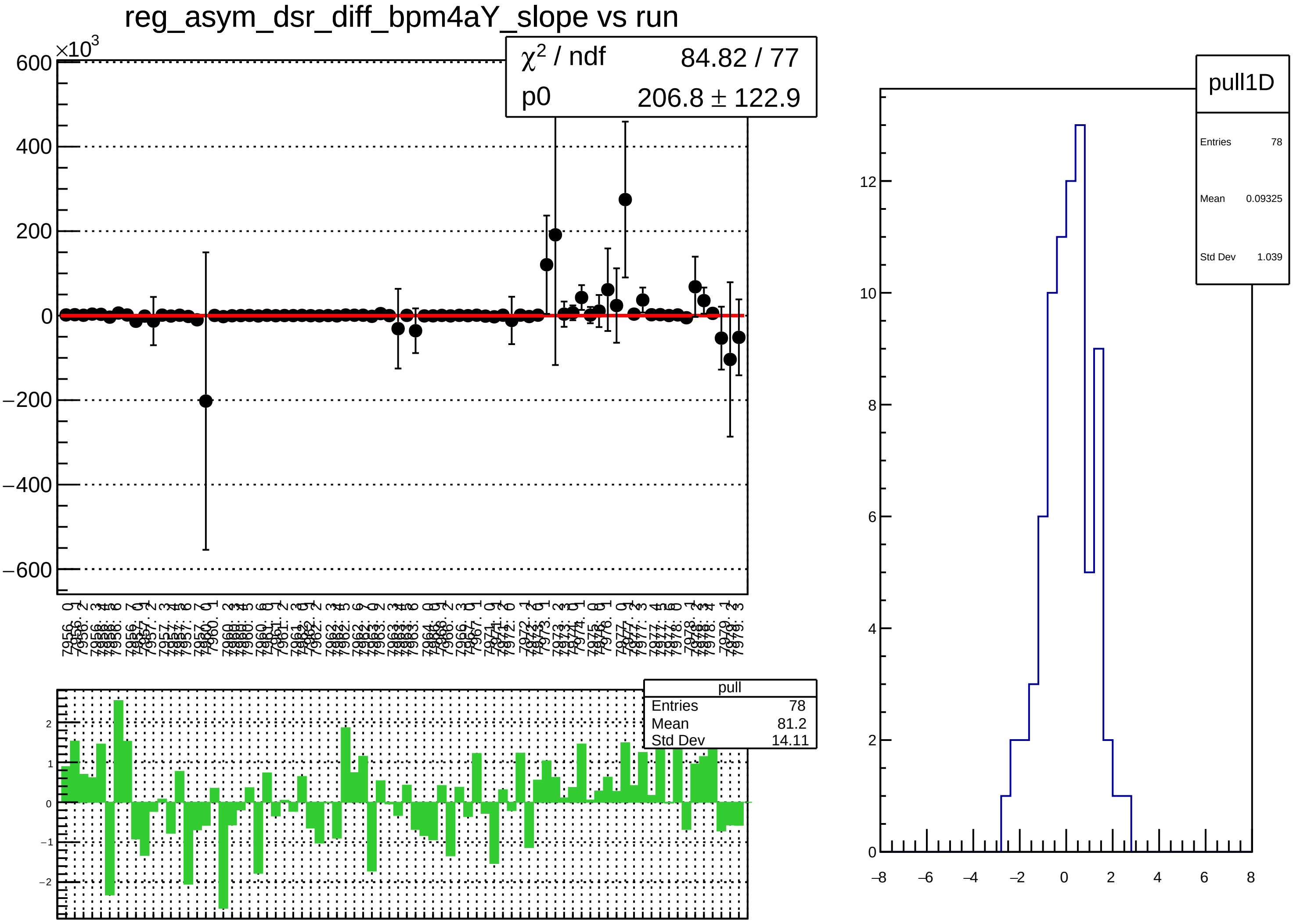
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 110.6 / 79
p0 6.358 ± 7.26
pull
Entries 80
Mean −683.5
Std Dev 731
pull1D
Entries 80
Mean −0.006004
Std Dev 1.176



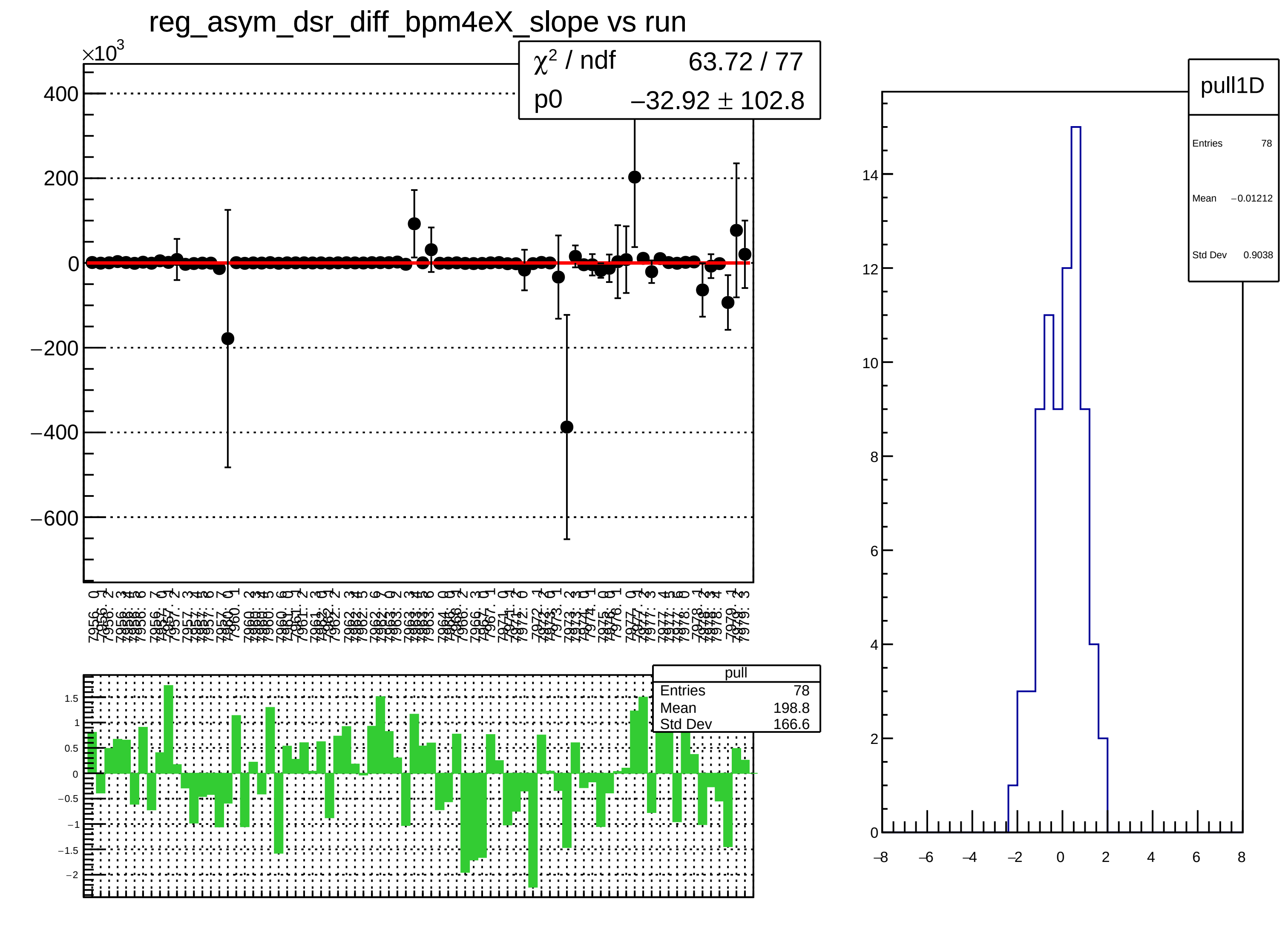
reg_asym_dsl_diff_bpm12X_slope vs run
χ^2 / ndf 106.2 / 79
p0 0.01348 ± 0.209
pull
Entries 80
Mean −484
Std Dev 519.8
pull1D
Entries 80
Mean −0.007928
Std Dev 1.152

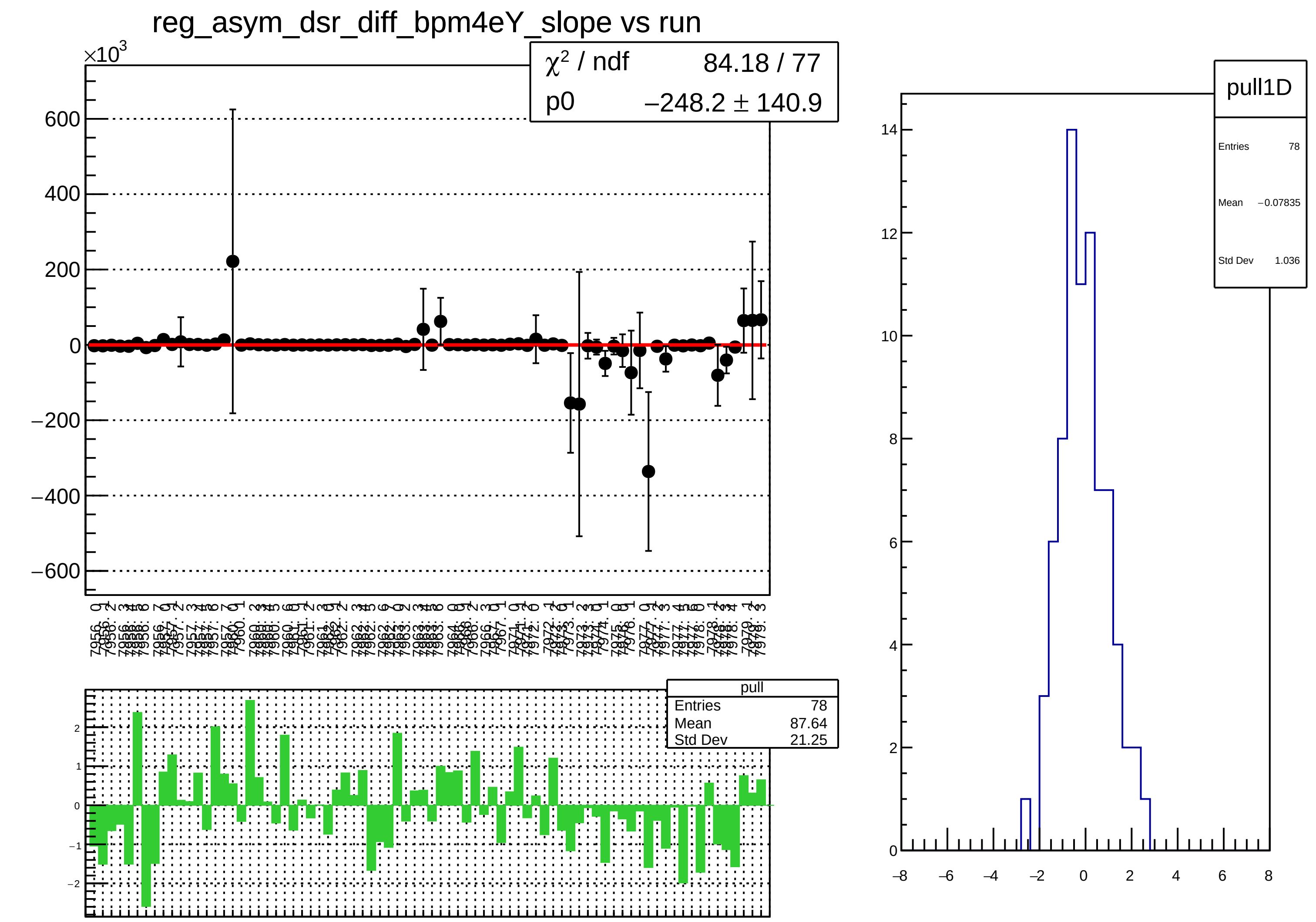


reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 63.23 / 77
p0 45.23 ± 118.2
pull
Entries 78
Mean 1463
Std Dev 1432
pull1D
Entries 78
Mean 0.001344
Std Dev 0.9003

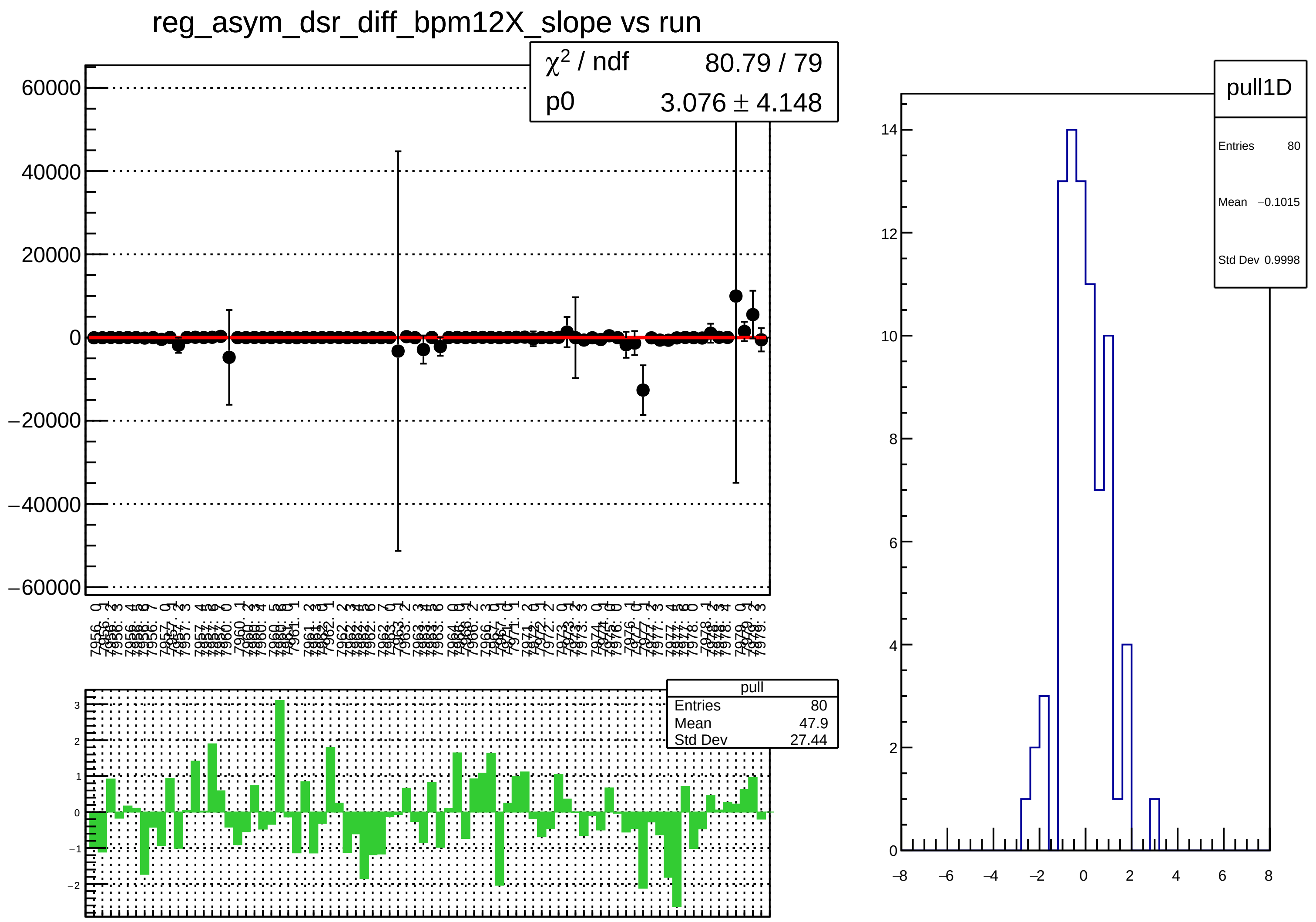


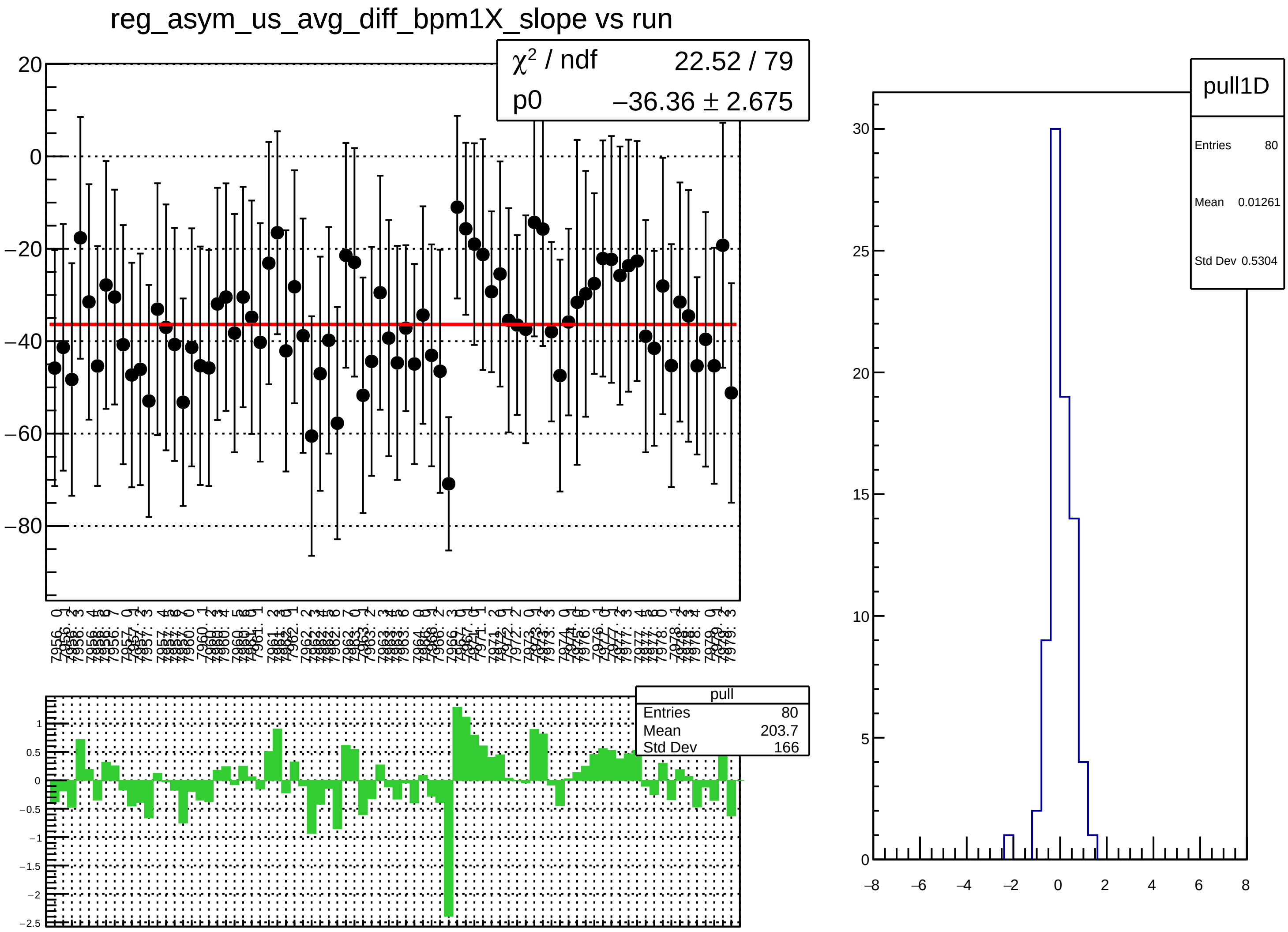
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 84.82 / 77
p0 206.8 ± 122.9
pull
Entries 78
Mean 81.2
Std Dev 14.11
pull1D
Entries 78
Mean 0.09325
Std Dev 1.039


reg_asym_dsr_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / 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

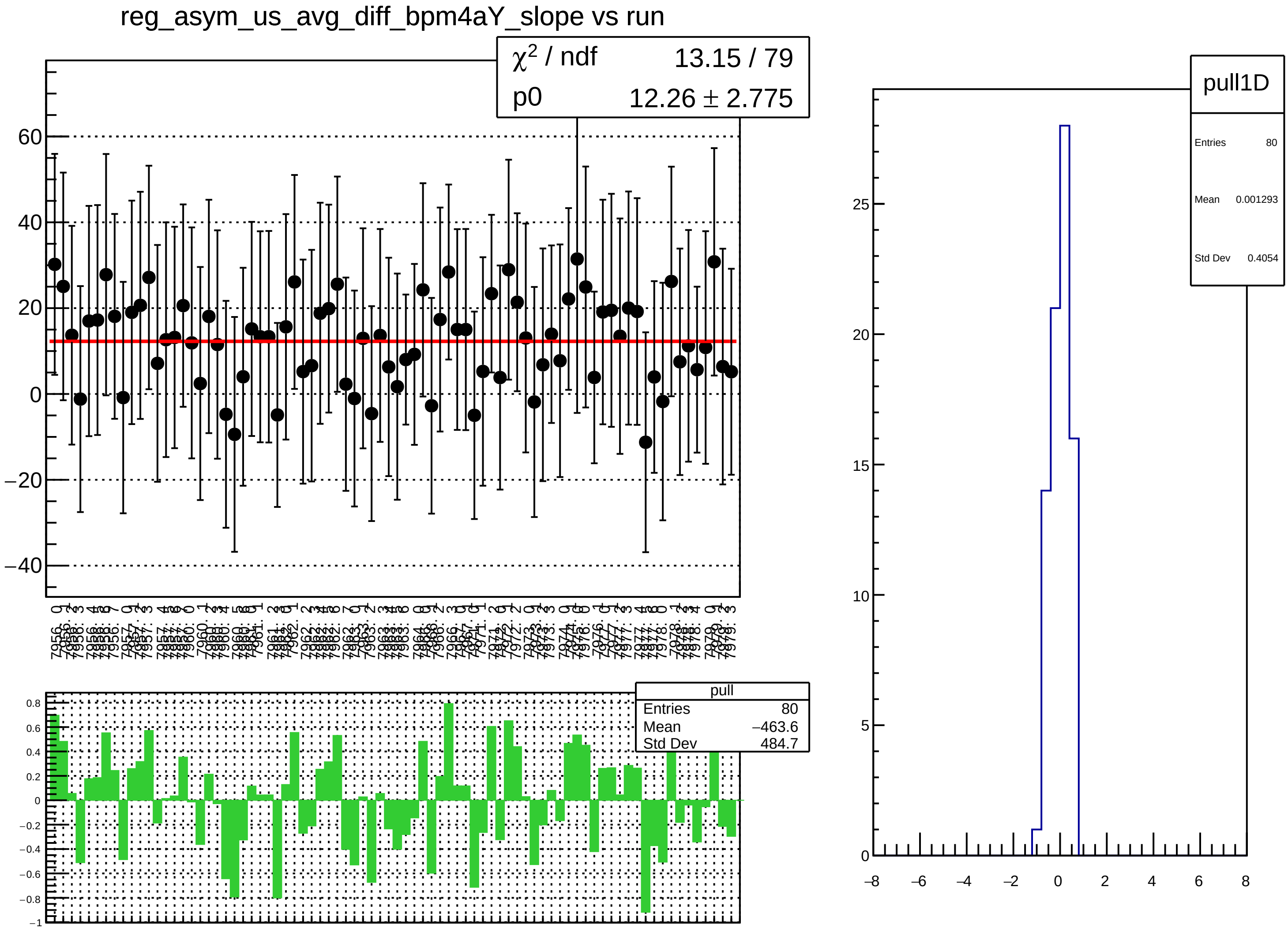


reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 84.18 / 77
p0 −248.2 ± 140.9
600
400
200
0
−200
−400
−600
pull
Entries 78
Mean 87.64
Std Dev 21.25
pull1D
Entries 78
Mean −0.07835
Std Dev 1.036
14
12
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

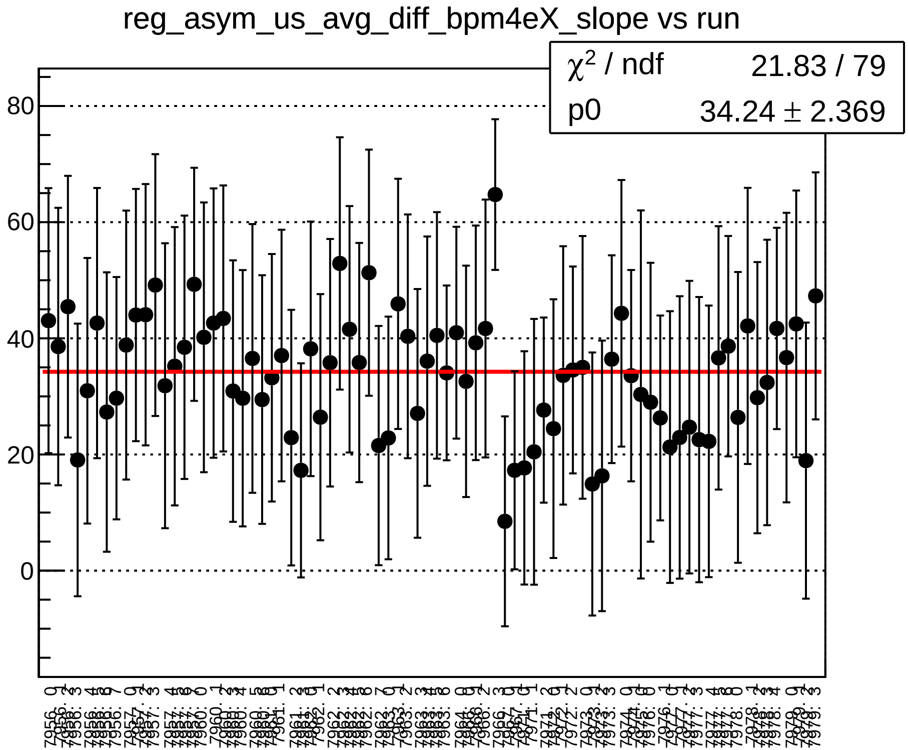

reg_asym_dsr_diff_bpm12X_slope vs run
χ2 / ndf 80.79 / 79
p0 3.076 ± 4.148
pull
Entries 80
Mean 47.9
Std Dev 27.44
pull1D
Entries 80
Mean −0.1015
Std Dev 0.9998

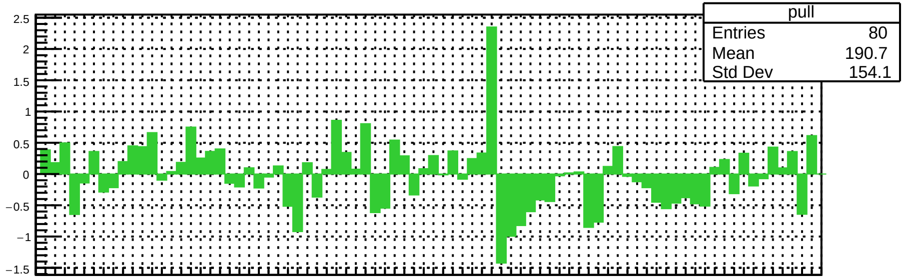


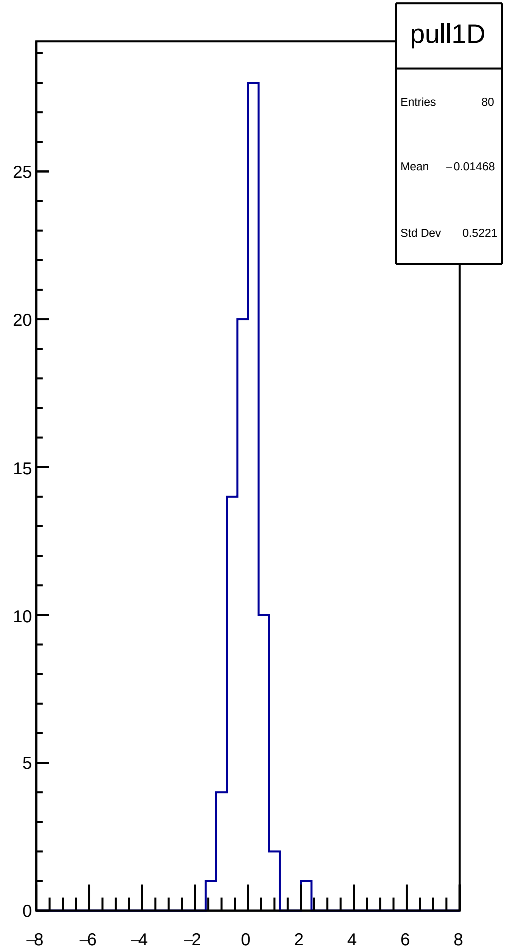
reg_asym_us_avg_diff_bpm1X_slope vs run
χ2 / ndf 22.52 / 79
p0 −36.36 ± 2.675
pull
Entries 80
Mean 203.7
Std Dev 166
pull1D
Entries 80
Mean 0.01261
Std Dev 0.5304

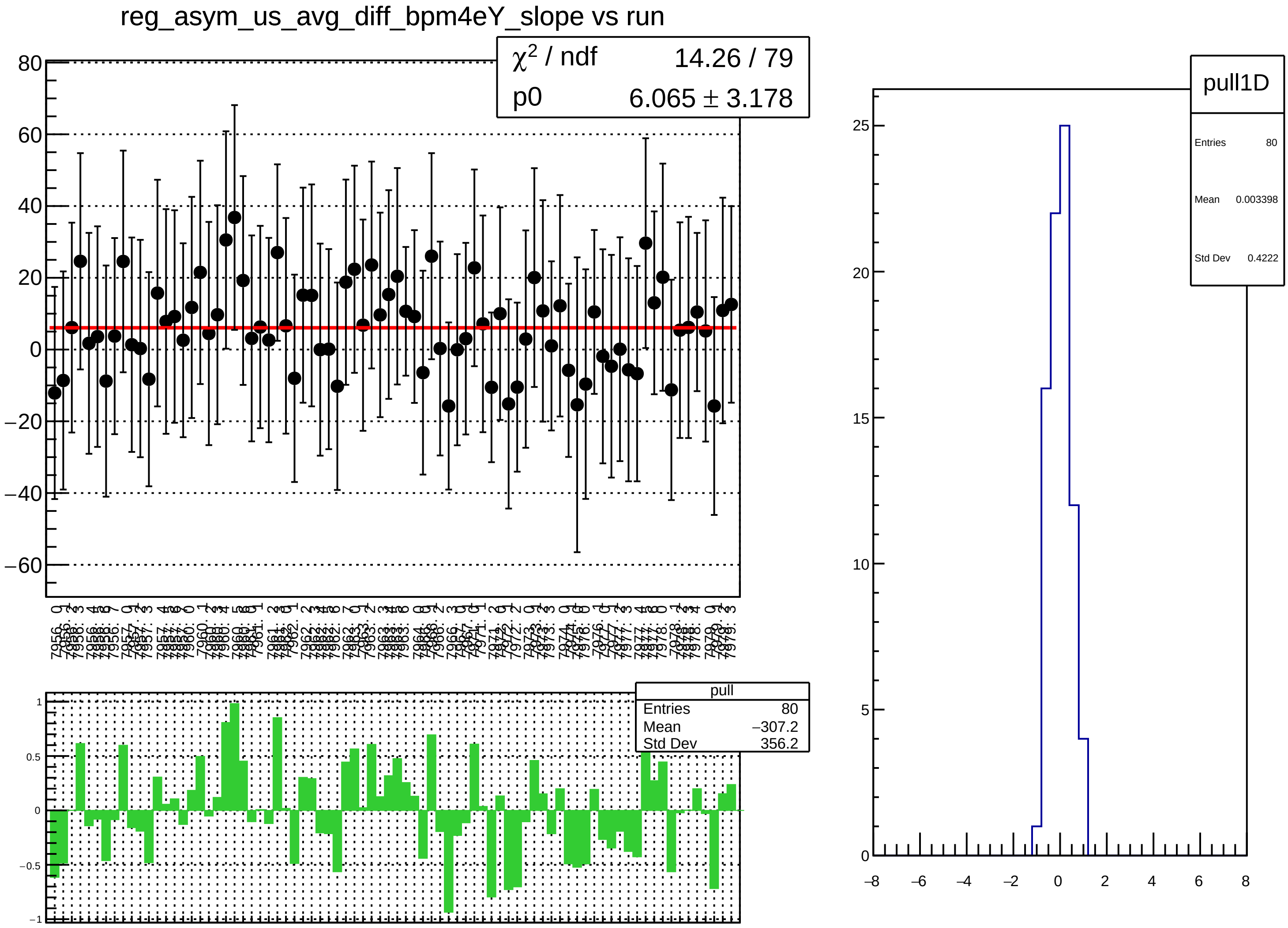


reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.15 / 79
p0 12.26 ± 2.775
pull
Entries 80
Mean −463.6
Std Dev 484.7
pull1D
Entries 80
Mean 0.001293
Std Dev 0.4054

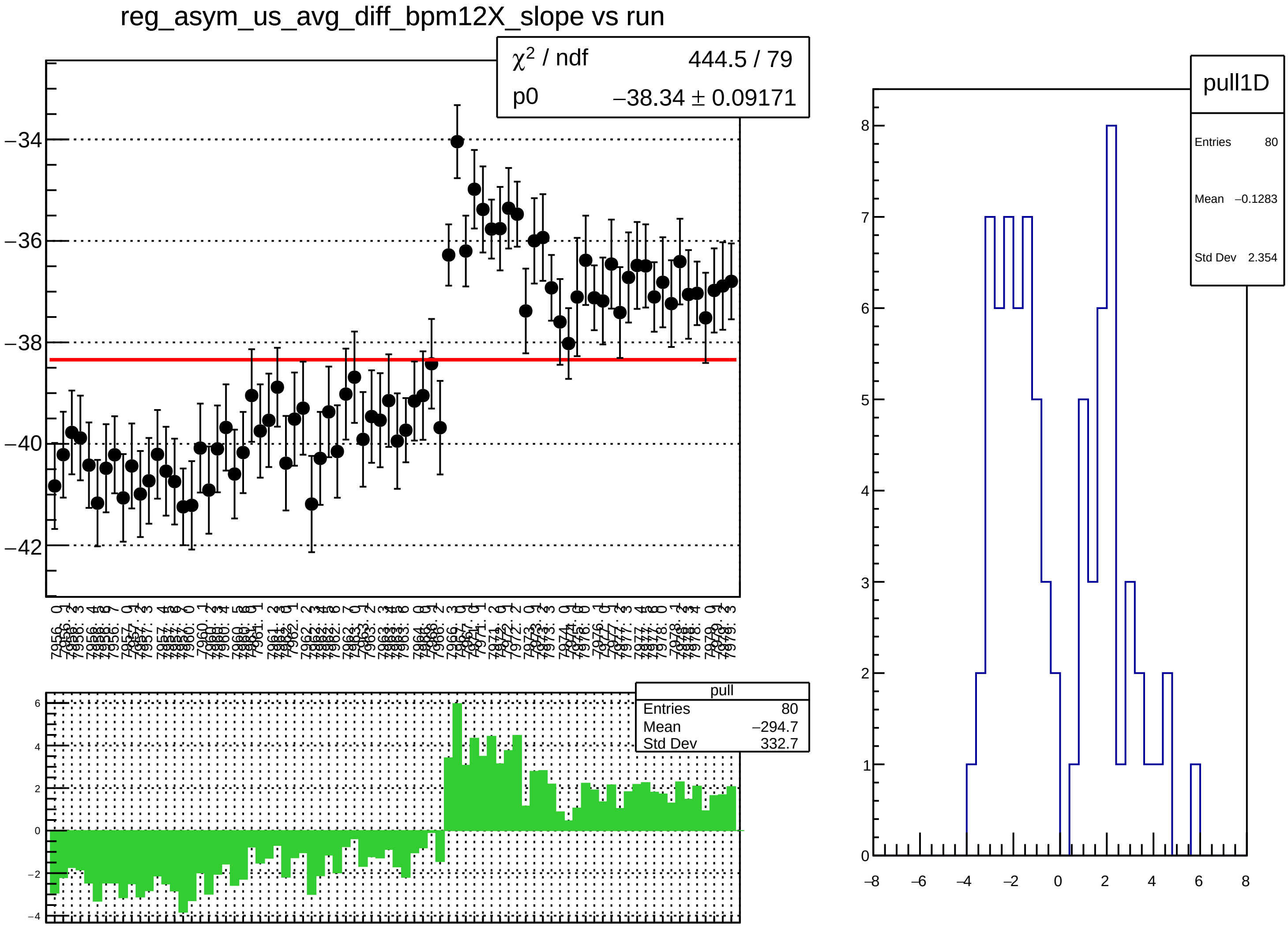

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 21.83 / 79
p0 34.24 ± 2.369


pull
Entries 80
Mean 190.7
Std Dev 154.1


pull1D
Entries 80
Mean −0.01468
Std Dev 0.5221

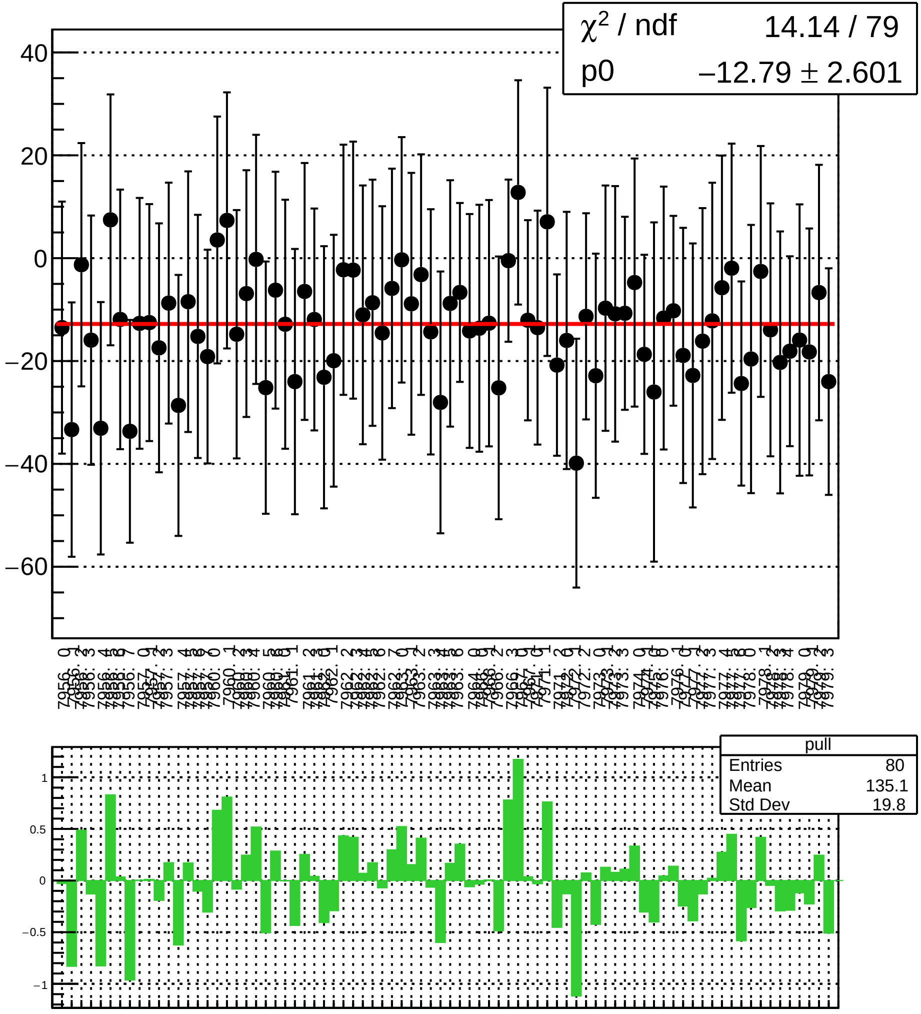


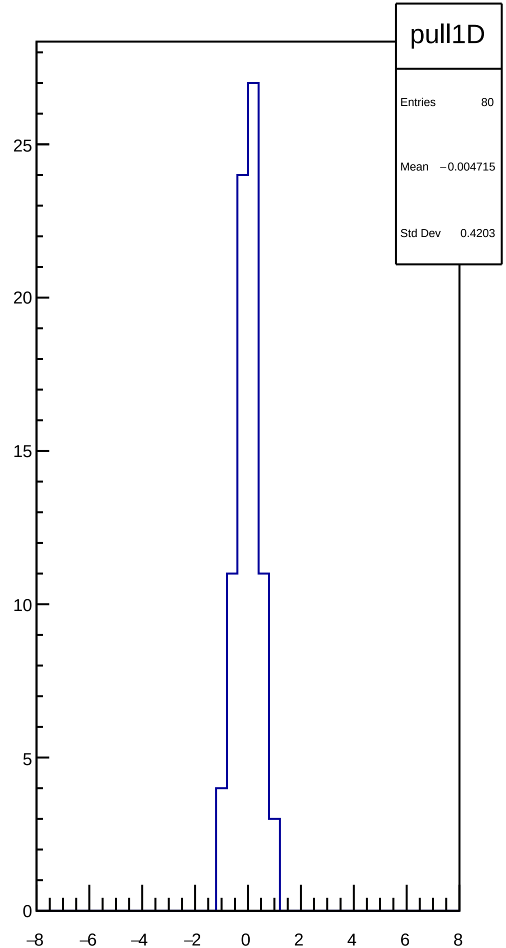
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.26 / 79
p0 6.065 ± 3.178
pull
Entries 80
Mean −307.2
Std Dev 356.2
pull1D
Entries 80
Mean 0.003398
Std Dev 0.4222

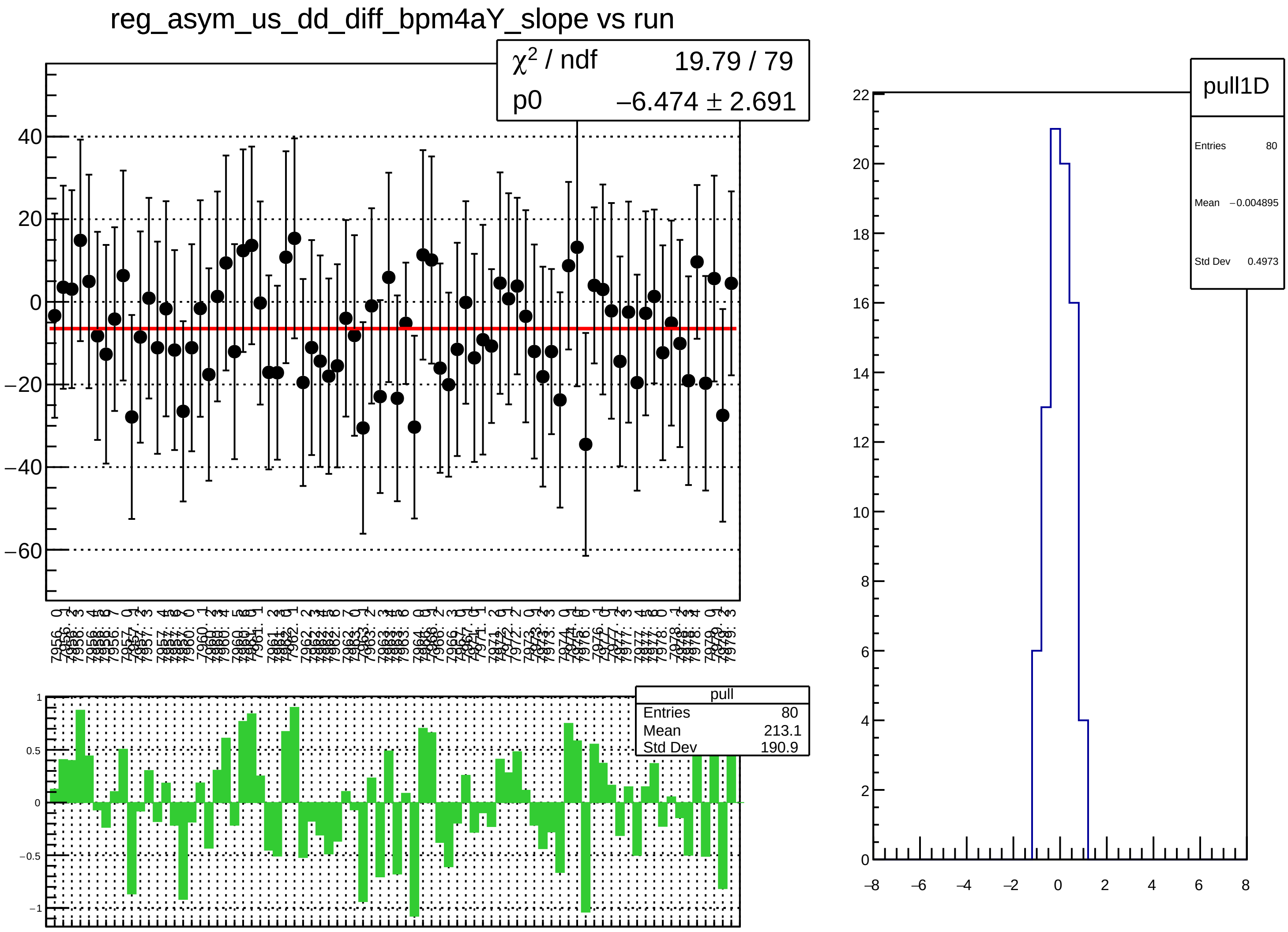


reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 444.5 / 79
p0 −38.34 ± 0.09171
pull
Entries 80
Mean −294.7
Std Dev 332.7
pull1D
Entries 80
Mean −0.1283
Std Dev 2.354

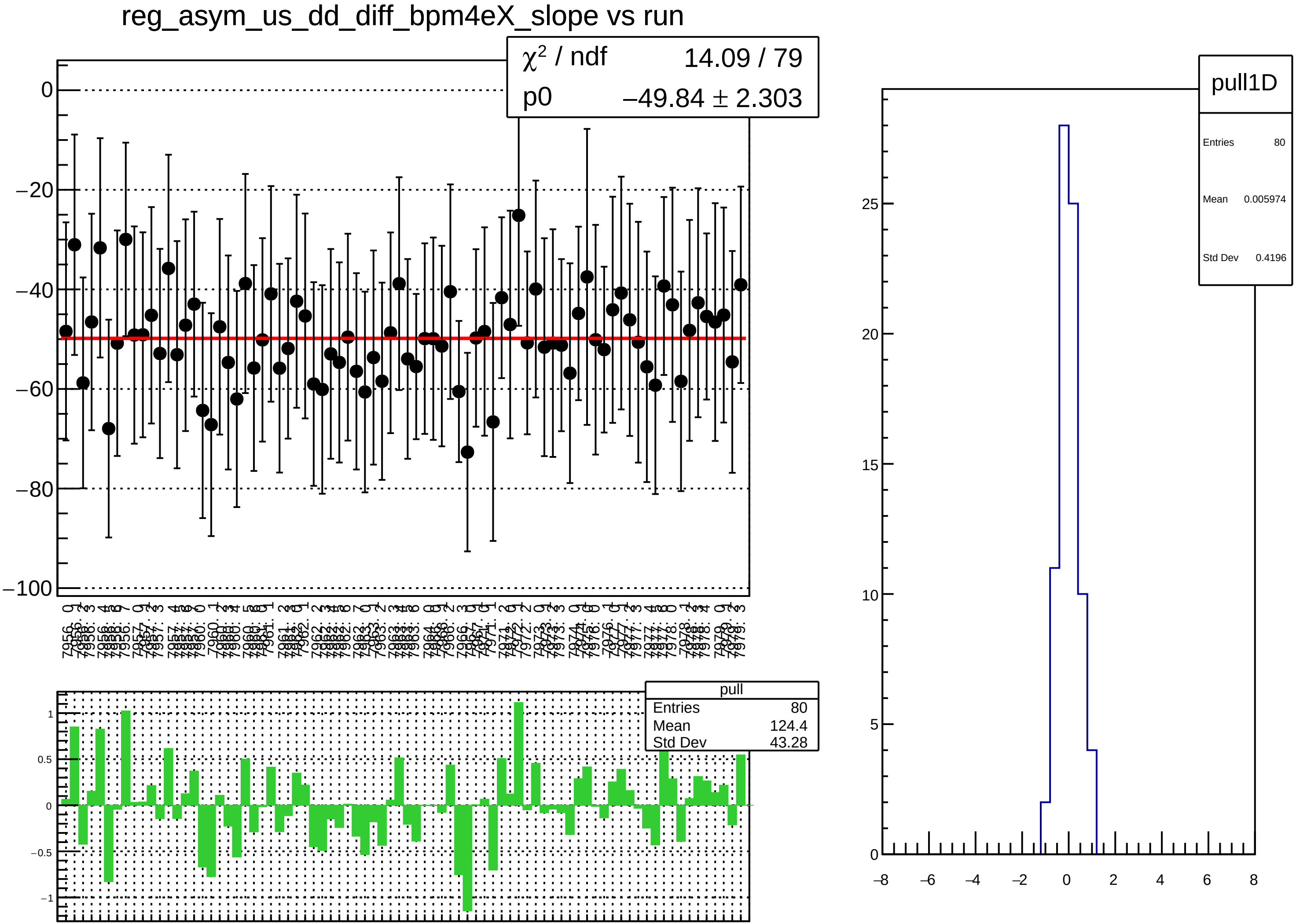
reg_asym_us_dd_diff_bpm1X_slope vs run



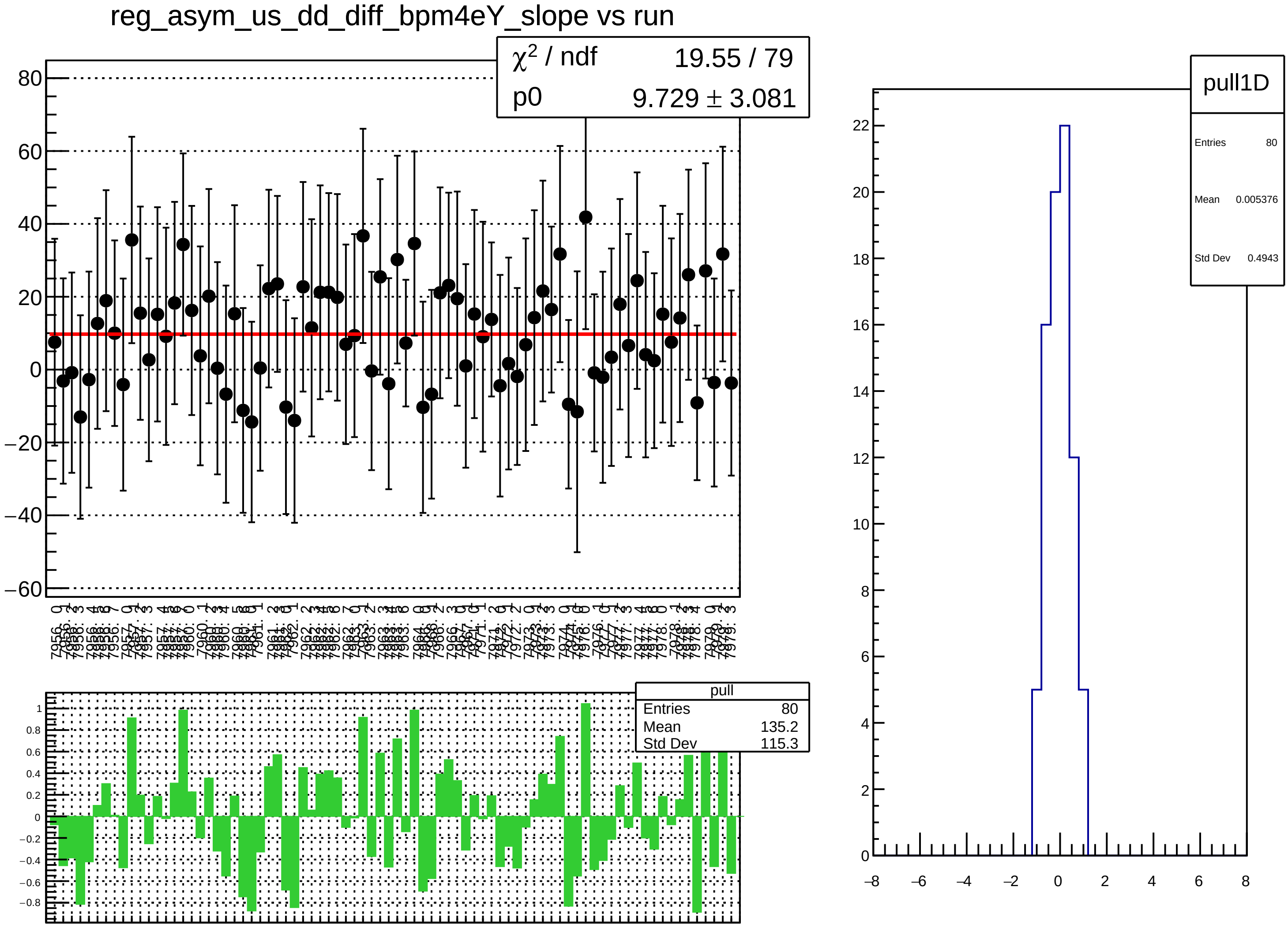




reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 19.79 / 79
p0 −6.474 ± 2.691
pull
Entries 80
Mean 213.1
Std Dev 190.9
pull1D
Entries 80
Mean −0.004895
Std Dev 0.4973

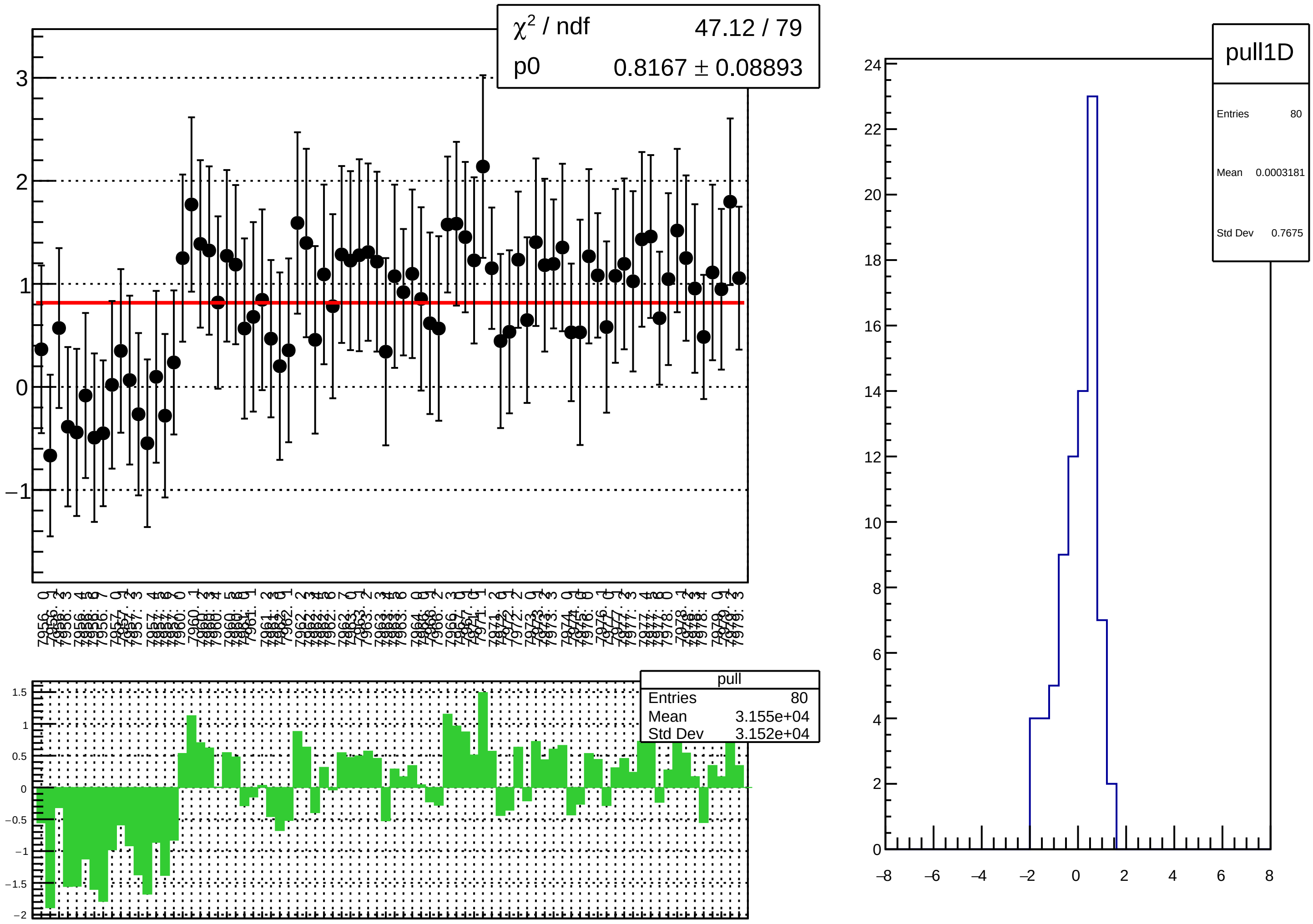


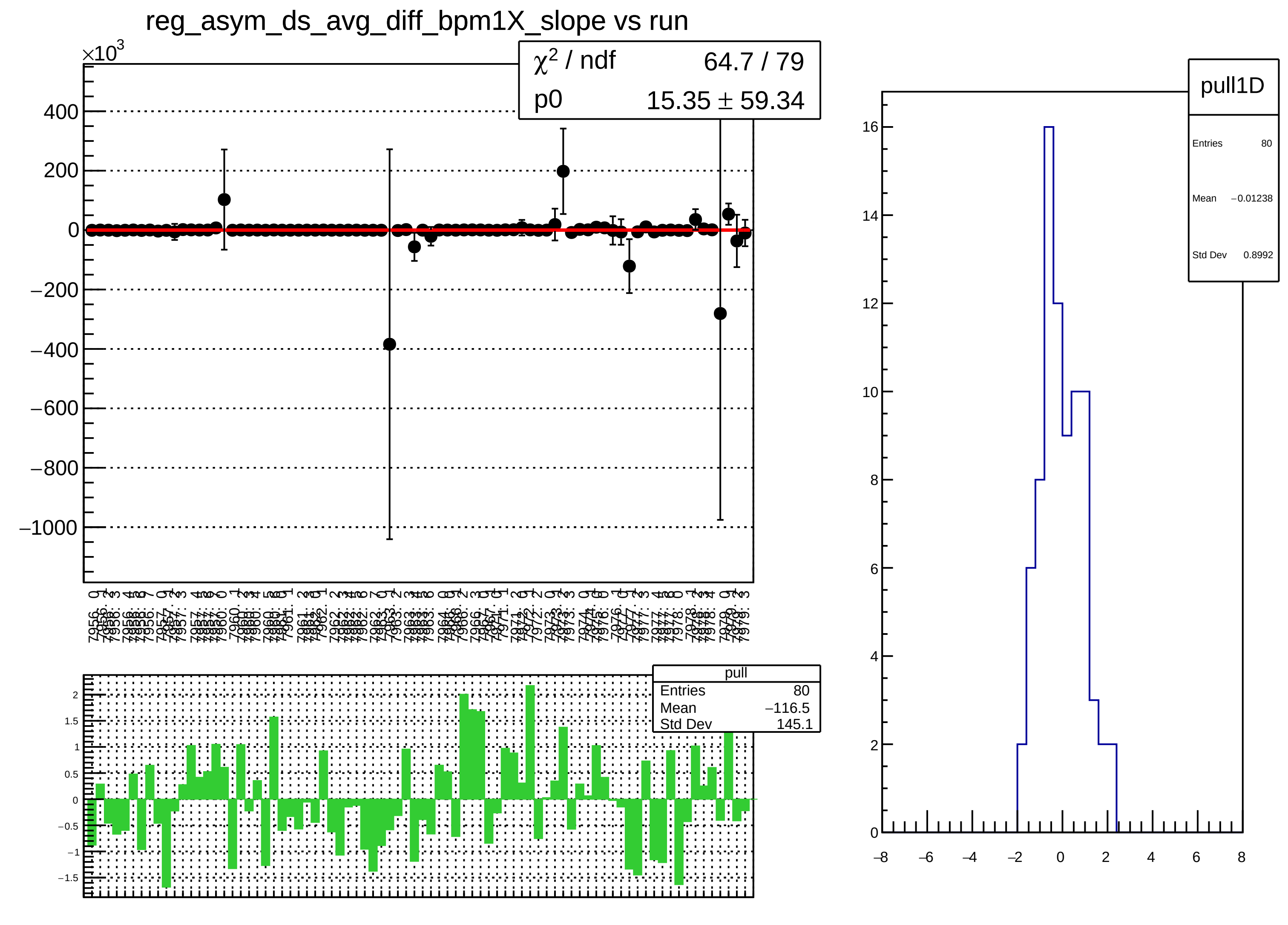
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.09 / 79
p0 −49.84 ± 2.303
pull
Entries 80
Mean 124.4
Std Dev 43.28
pull1D
Entries 80
Mean 0.005974
Std Dev 0.4196



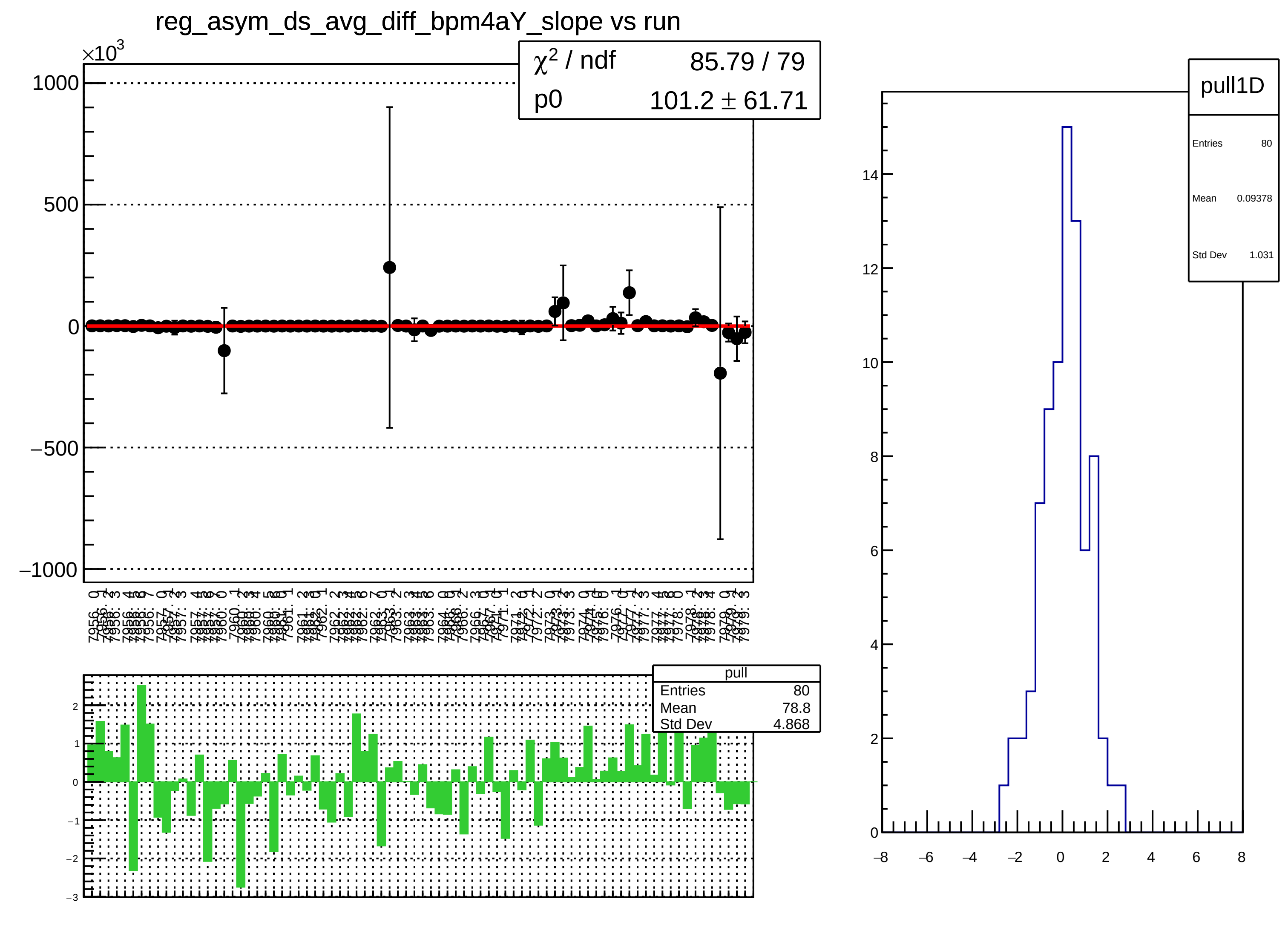
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.55 / 79
p0 9.729 ± 3.081
pull
Entries 80
Mean 135.2
Std Dev 115.3
pull1D
Entries 80
Mean 0.005376
Std Dev 0.4943

reg_asym_us_dd_diff_bpm12X_slope vs run

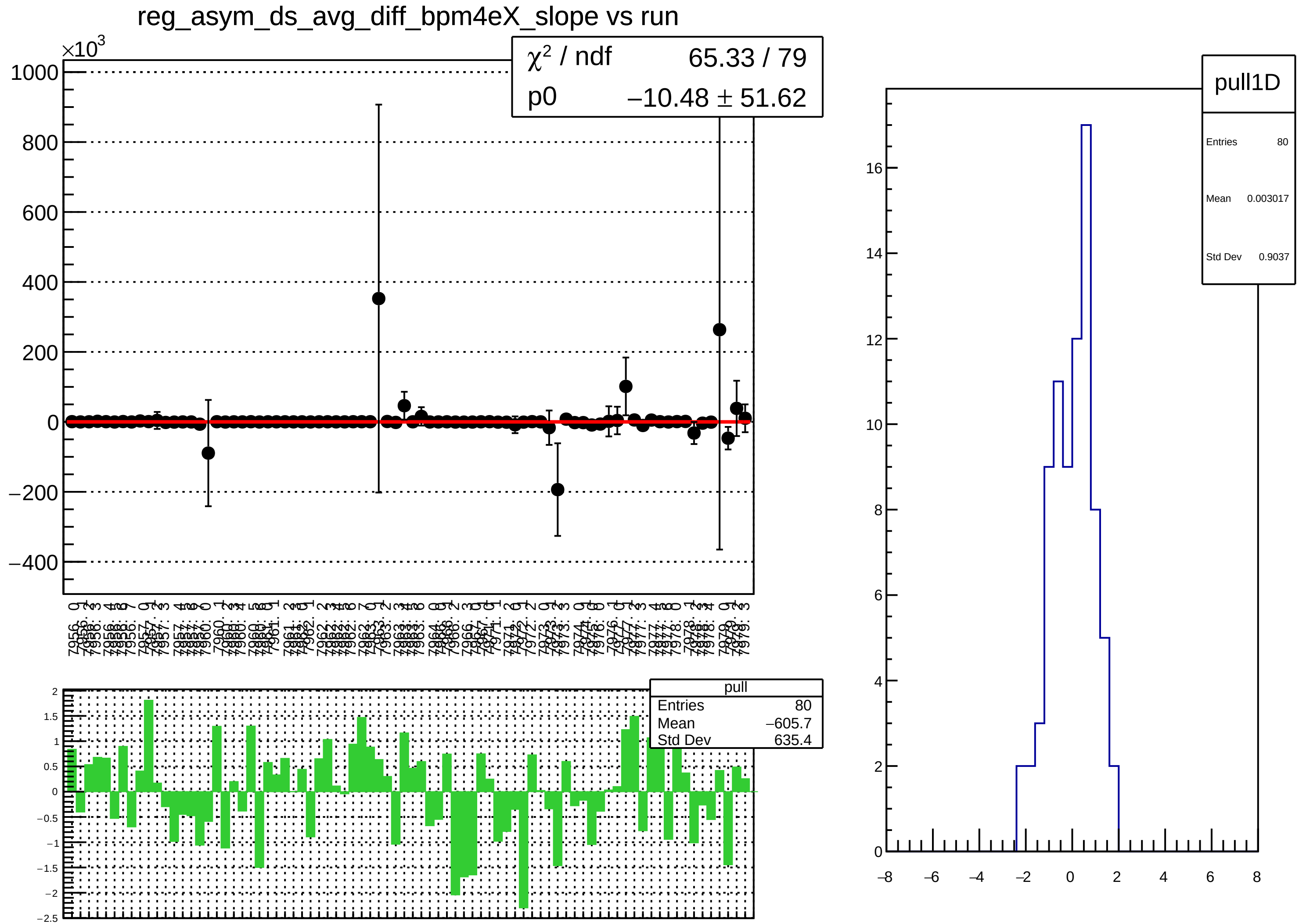




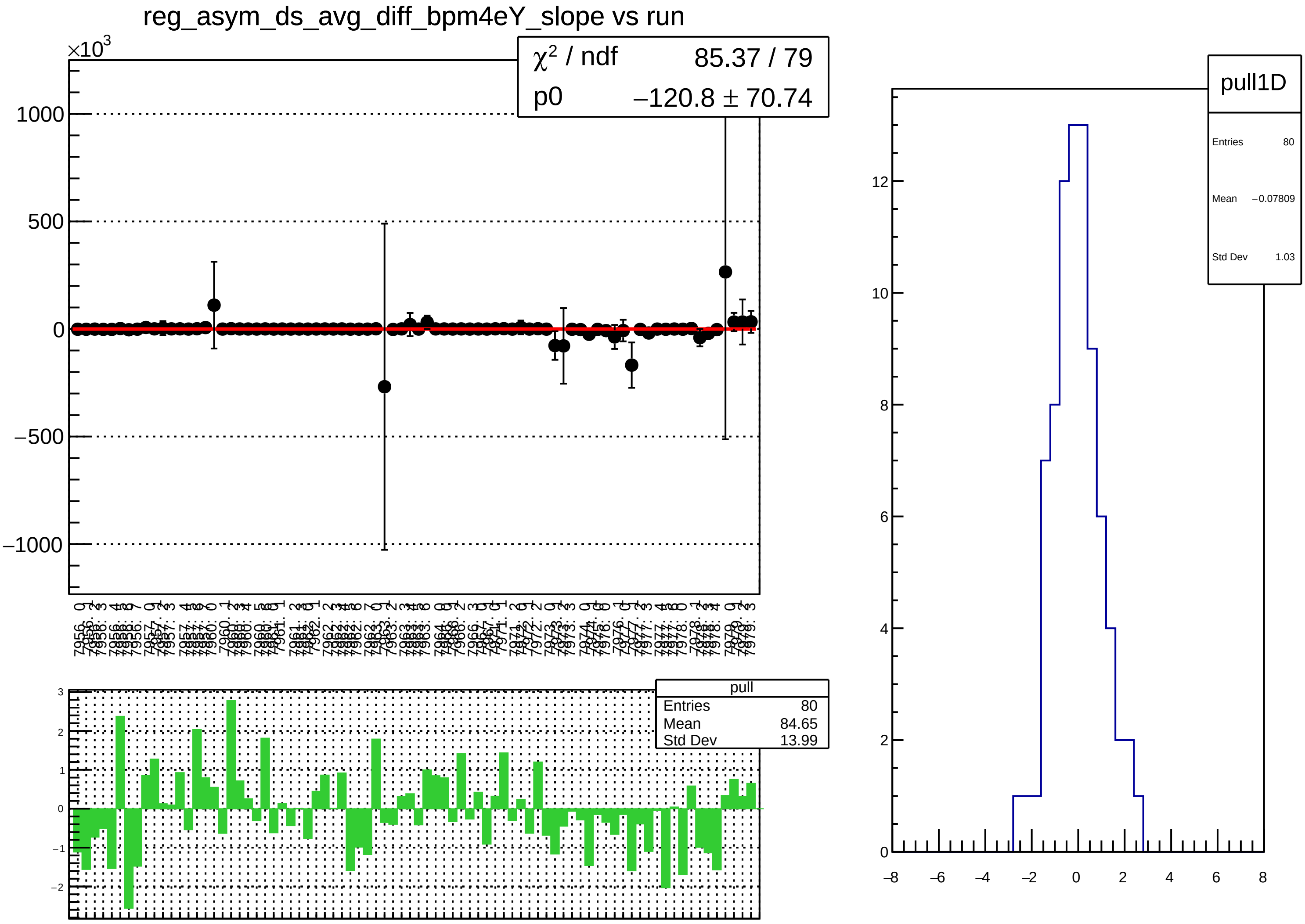
reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 64.7 / 79
p0 15.35 ± 59.34
pull
Entries 80
Mean −116.5
Std Dev 145.1
pull1D
Entries 80
Mean −0.01238
Std Dev 0.8992



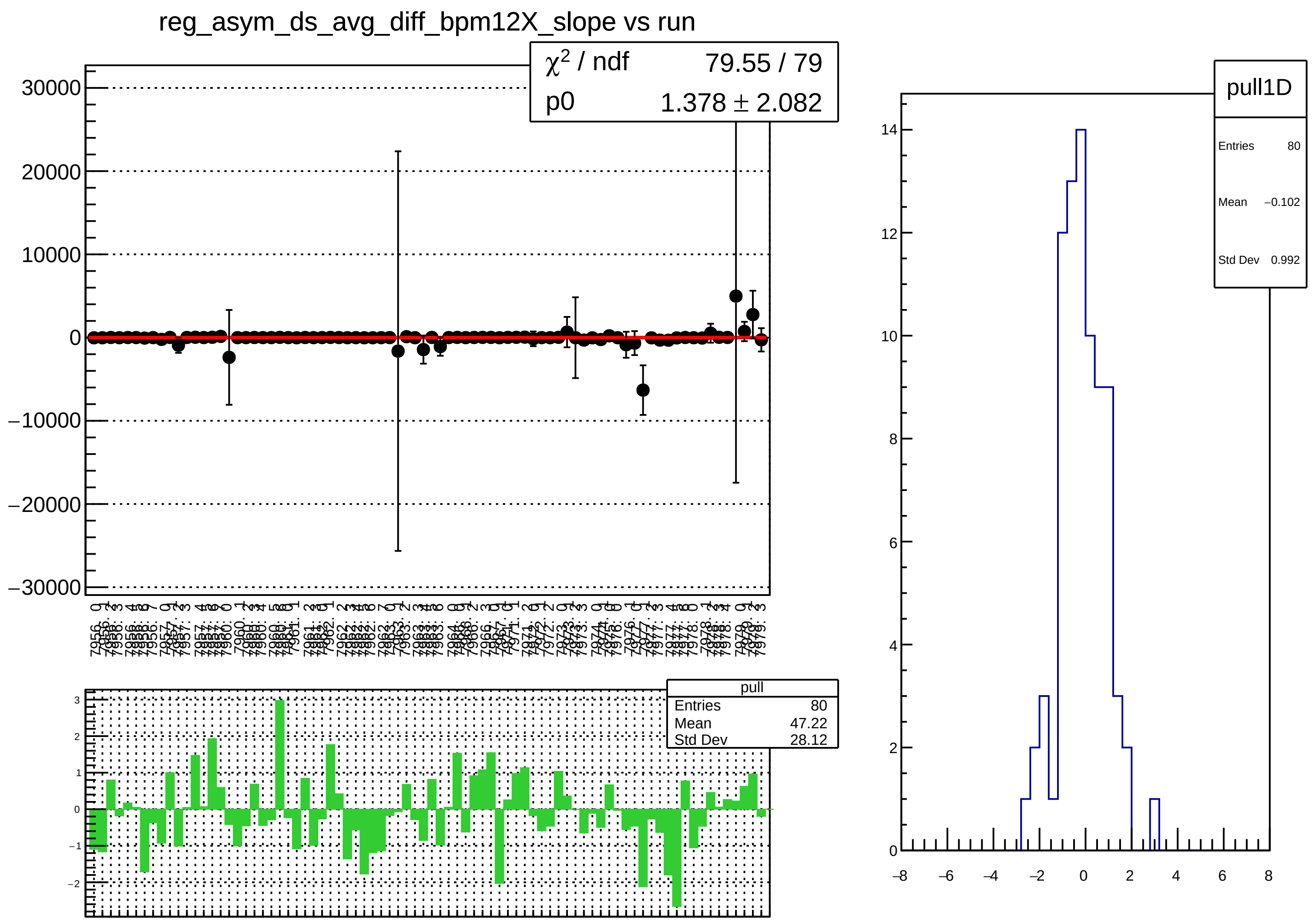
reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 85.79 / 79
p0 101.2 ± 61.71
1000
500
0
−500
−1000
pull
Entries 80
Mean 78.8
Std Dev 4.868
pull1D
Entries 80
Mean 0.09378
Std Dev 1.031



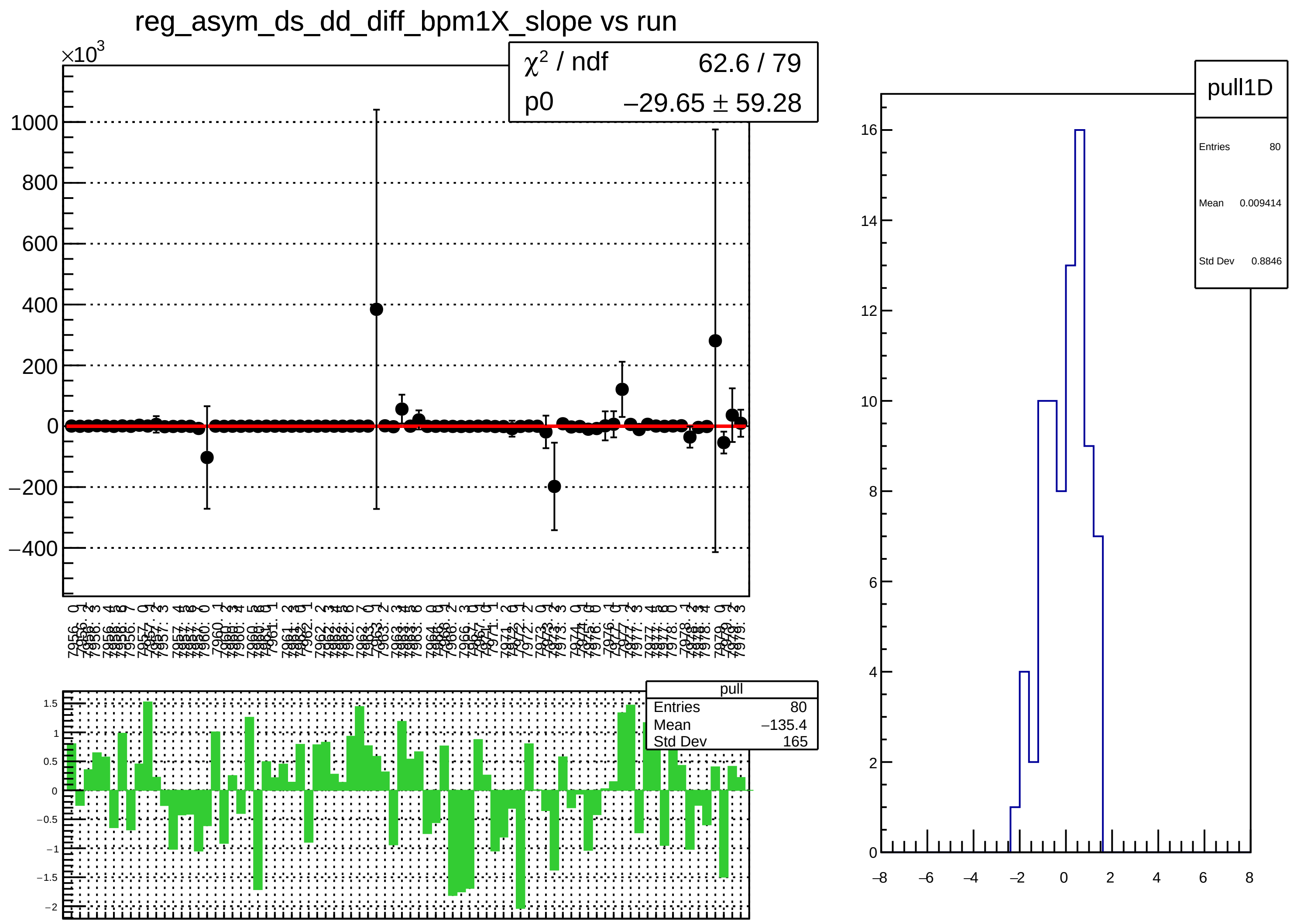
reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 65.33 / 79
p0 −10.48 ± 51.62
pull
Entries 80
Mean −605.7
Std Dev 635.4
pull1D
Entries 80
Mean 0.003017
Std Dev 0.9037



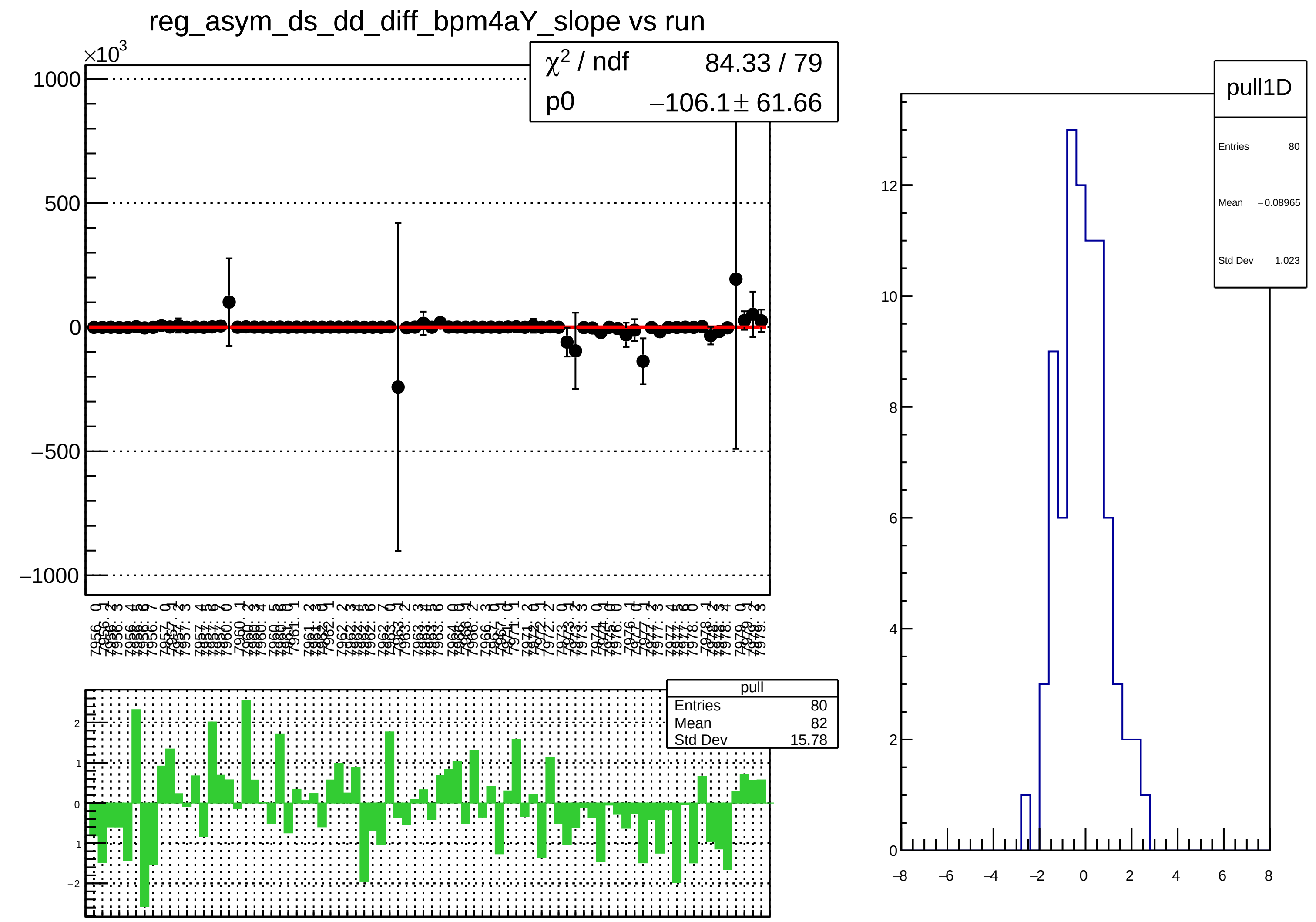
reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 85.37 / 79
p0 −120.8 ± 70.74
1000
500
0
−500
−1000
pull
Entries 80
Mean 84.65
Std Dev 13.99
pull1D
Entries 80
Mean −0.07809
Std Dev 1.03



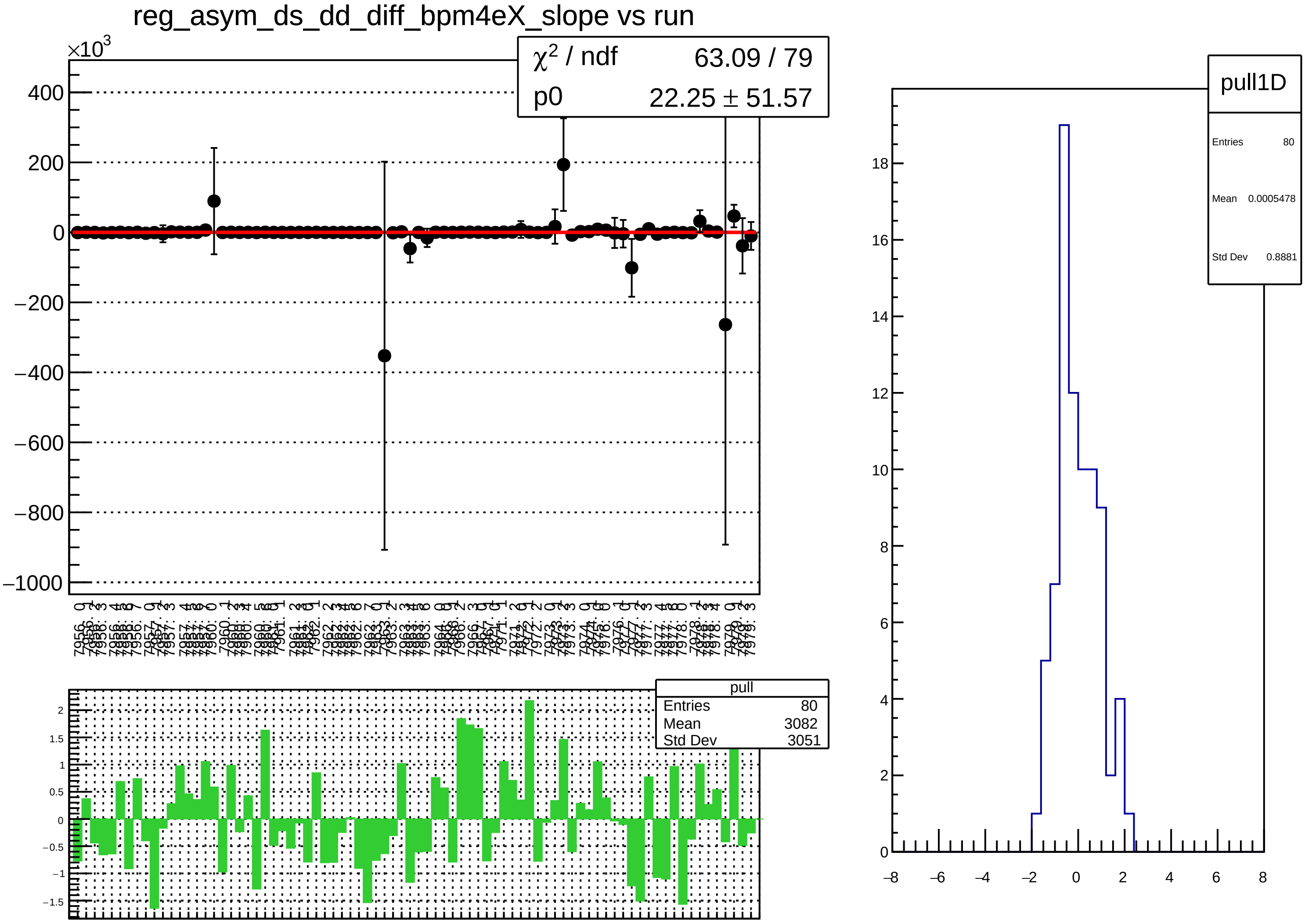
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 79.55 / 79
p0 1.378 ± 2.082
pull
Entries 80
Mean 47.22
Std Dev 28.12
pull1D
Entries 80
Mean −0.102
Std Dev 0.992



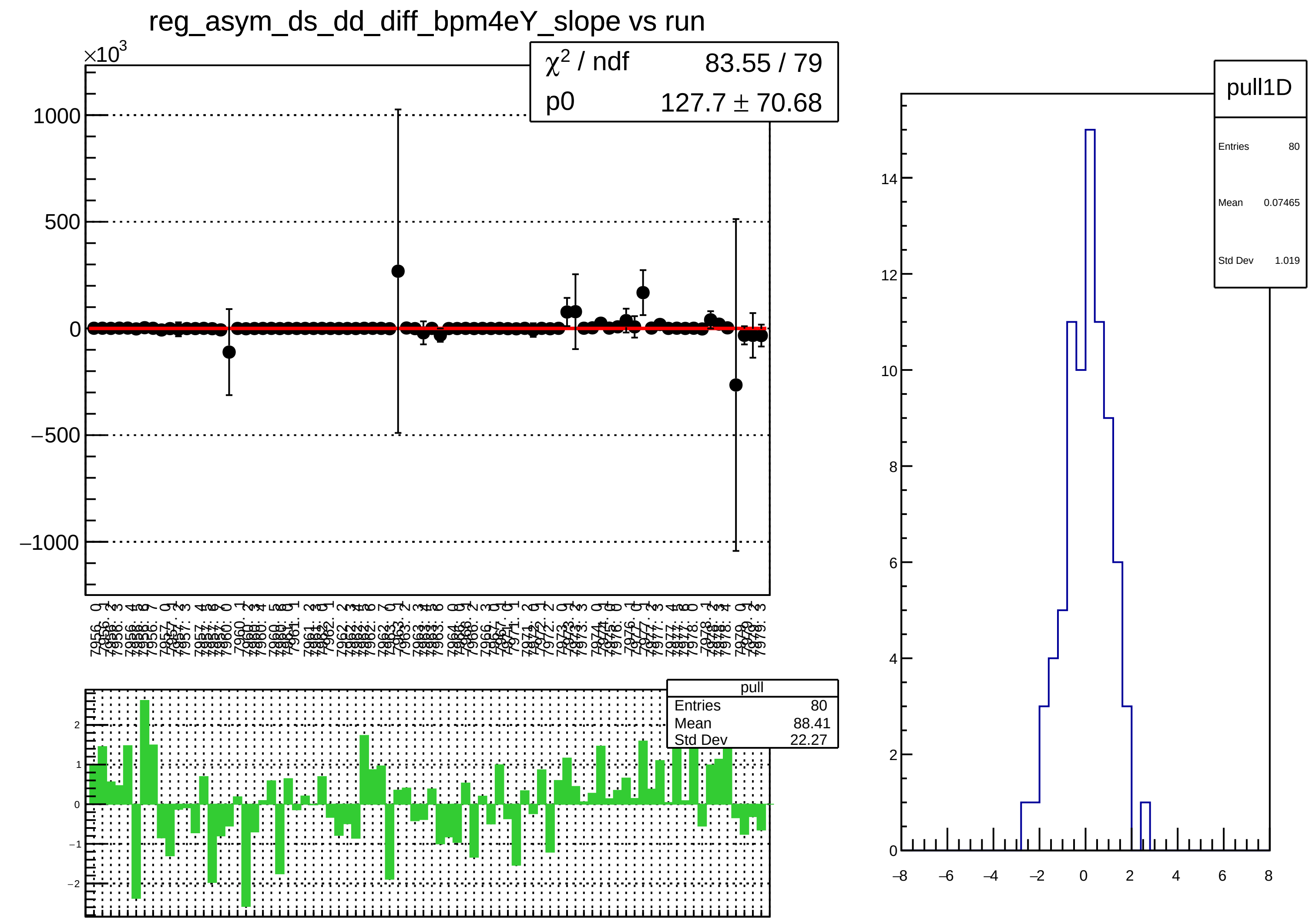
reg_asym_ds_dd_diff_bpm1X_slope vs run
$\times 10^3$
χ^2 / ndf 62.6 / 79
p0 −29.65 ± 59.28
pull
Entries 80
Mean −135.4
Std Dev 165
pull1D
Entries 80
Mean 0.009414
Std Dev 0.8846

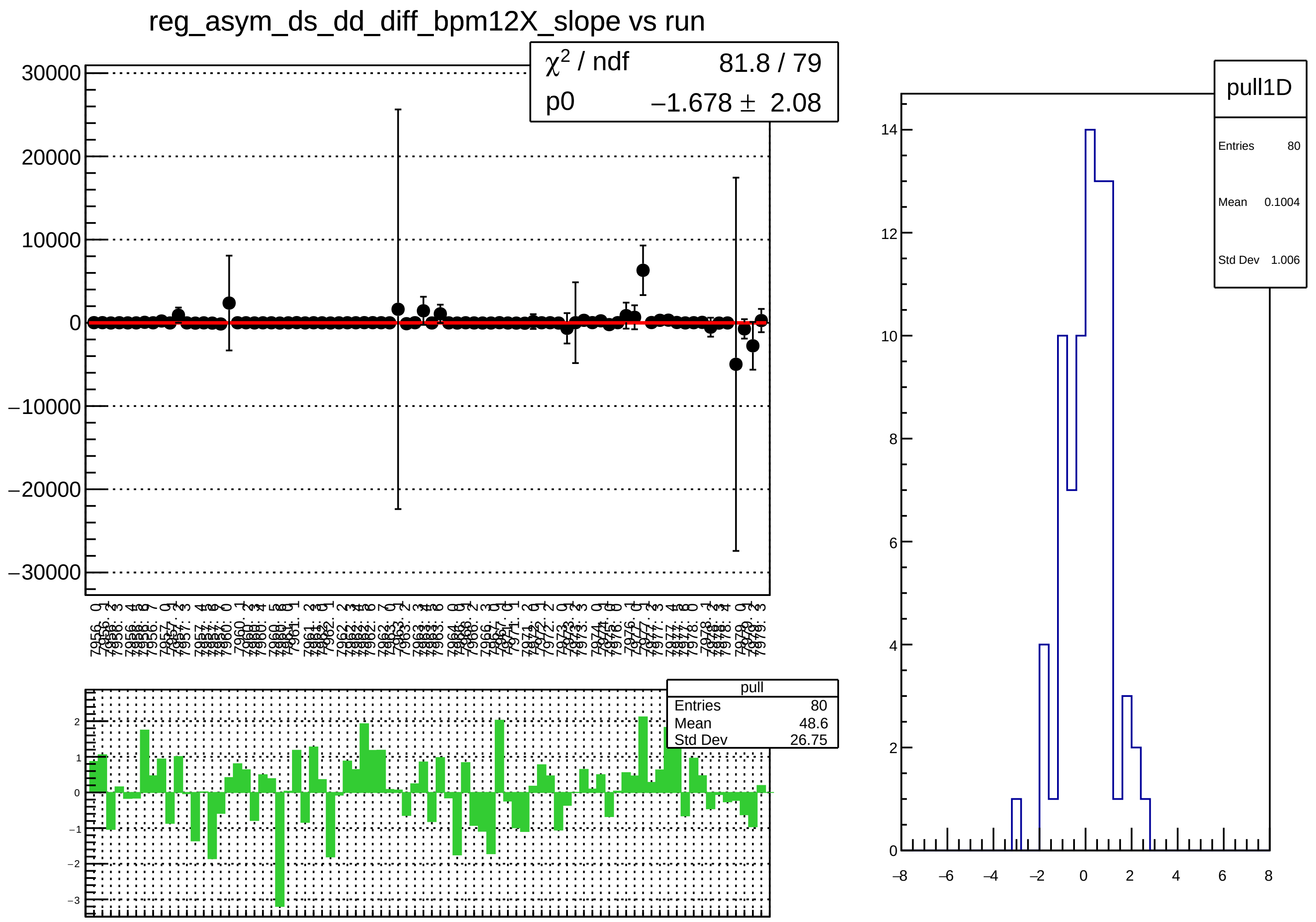


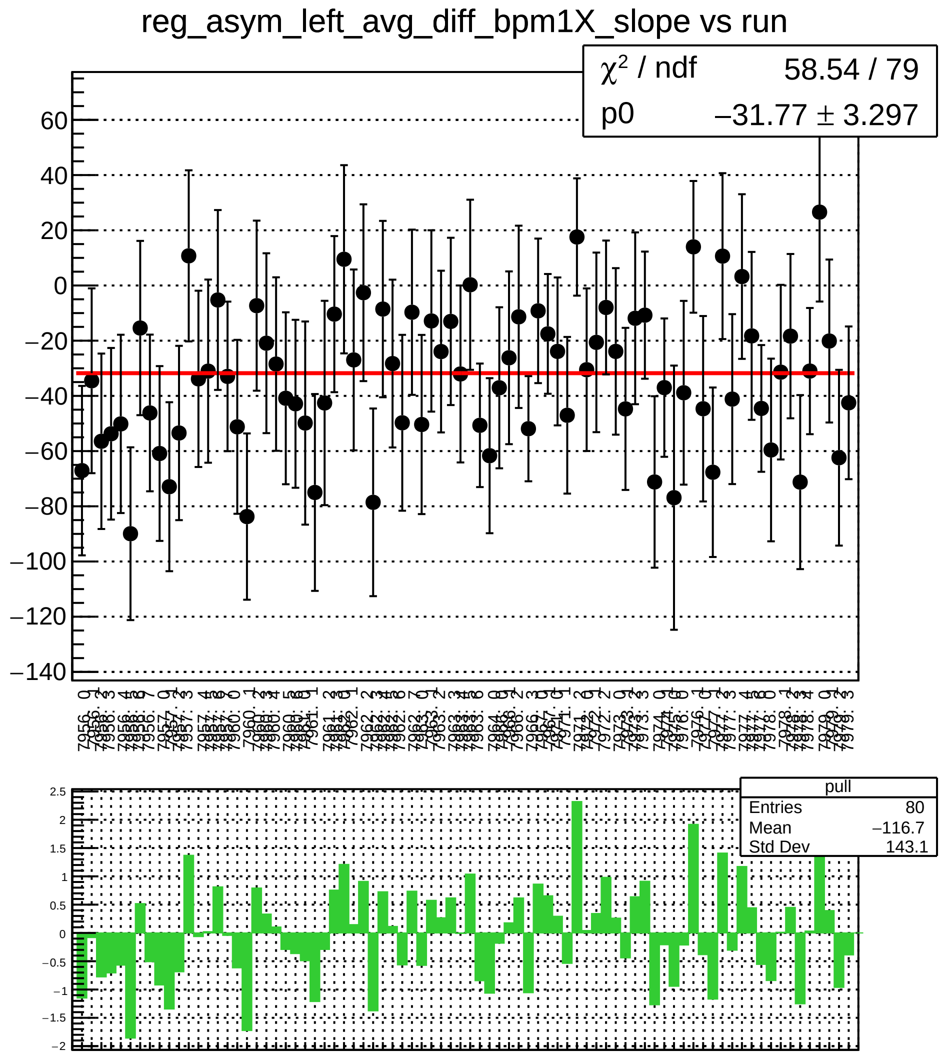
reg_asym_ds_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 84.33 / 79
p0 −106.1 ± 61.66
pull
Entries 80
Mean 82
Std Dev 15.78
pull1D
Entries 80
Mean −0.08965
Std Dev 1.023

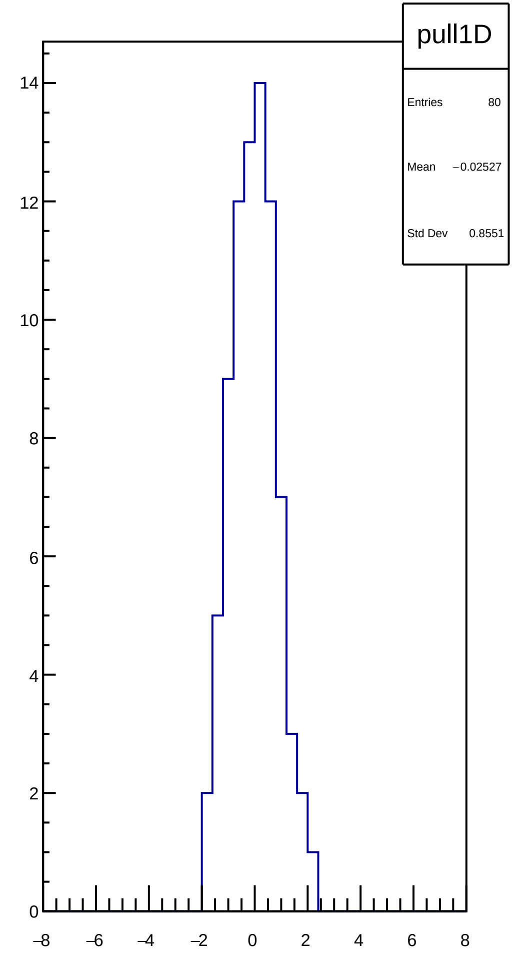


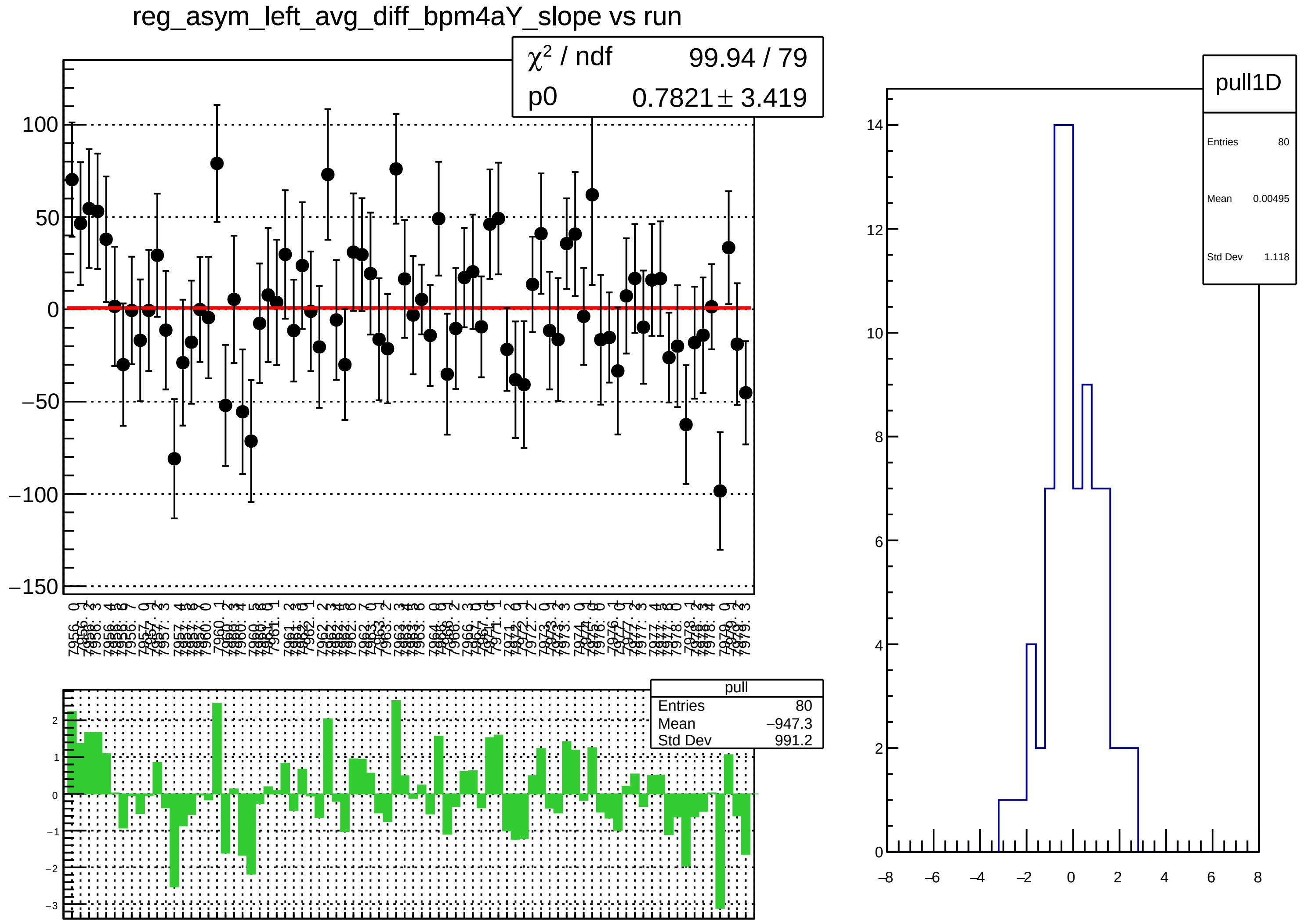
reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 63.09 / 79
p0 22.25 ± 51.57
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean 3082
Std Dev 3051
pull1D
Entries 80
Mean 0.0005478
Std Dev 0.8881


reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\times10^3$
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
pull1D
Entries 80
Mean 0.07465
Std Dev 1.019

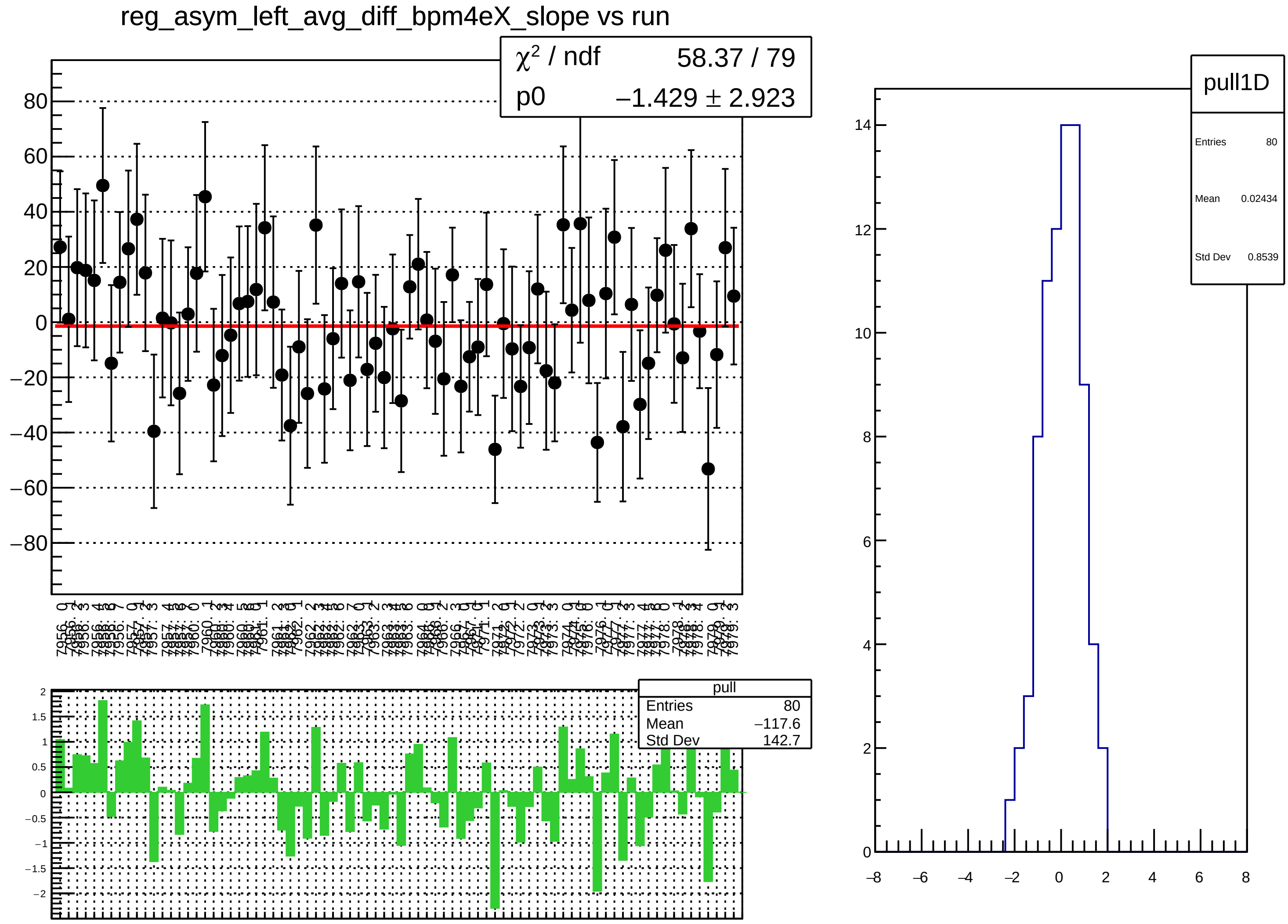

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 81.8 / 79
p0 −1.678 ± 2.08
pull
Entries 80
Mean 48.6
Std Dev 26.75
pull1D
Entries 80
Mean 0.1004
Std Dev 1.006


reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.54 / 79
p0 −31.77 ± 3.297
pull
Entries 80
Mean −116.7
Std Dev 143.1

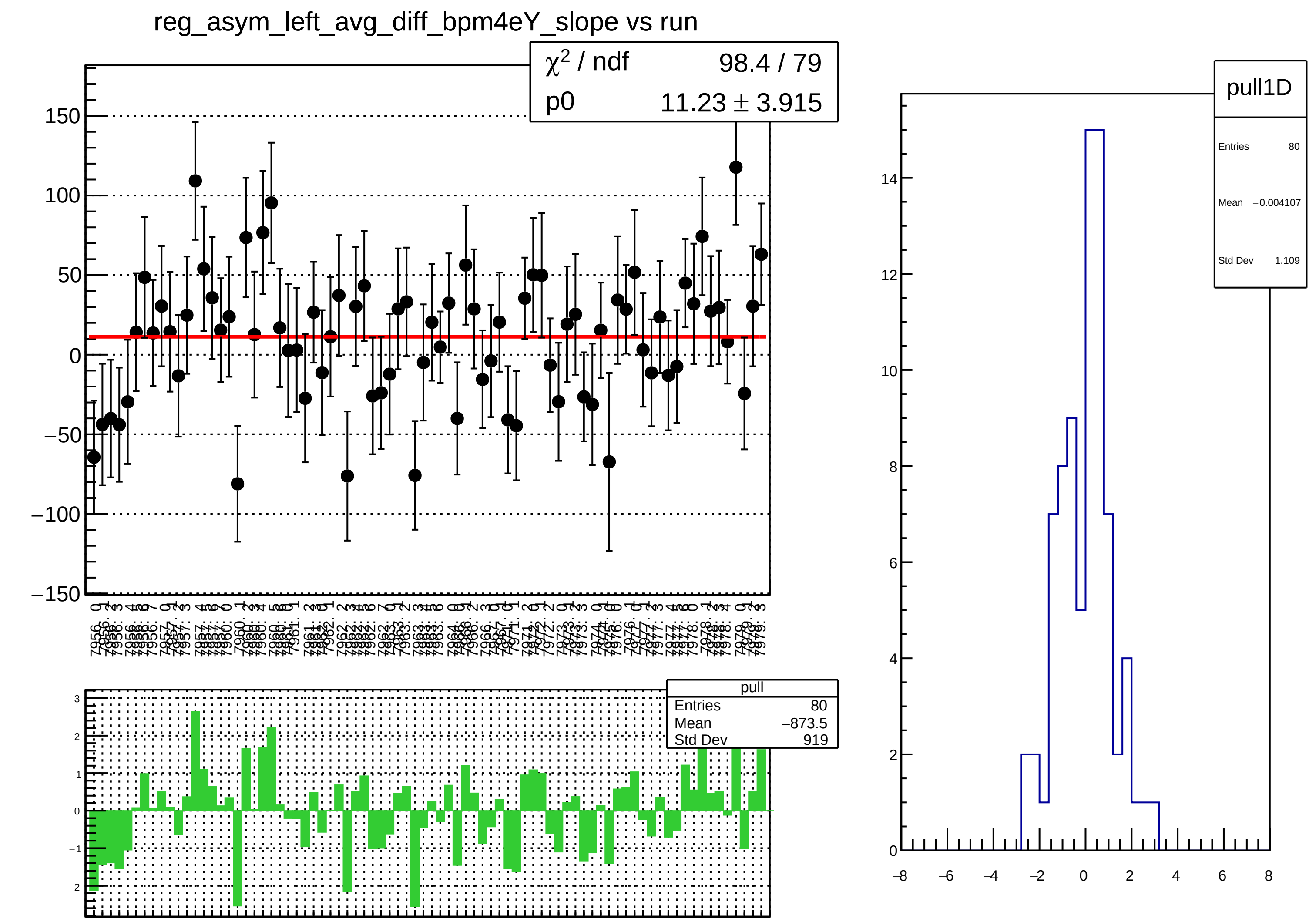

pull1D
Entries 80
Mean −0.02527
Std Dev 0.8551

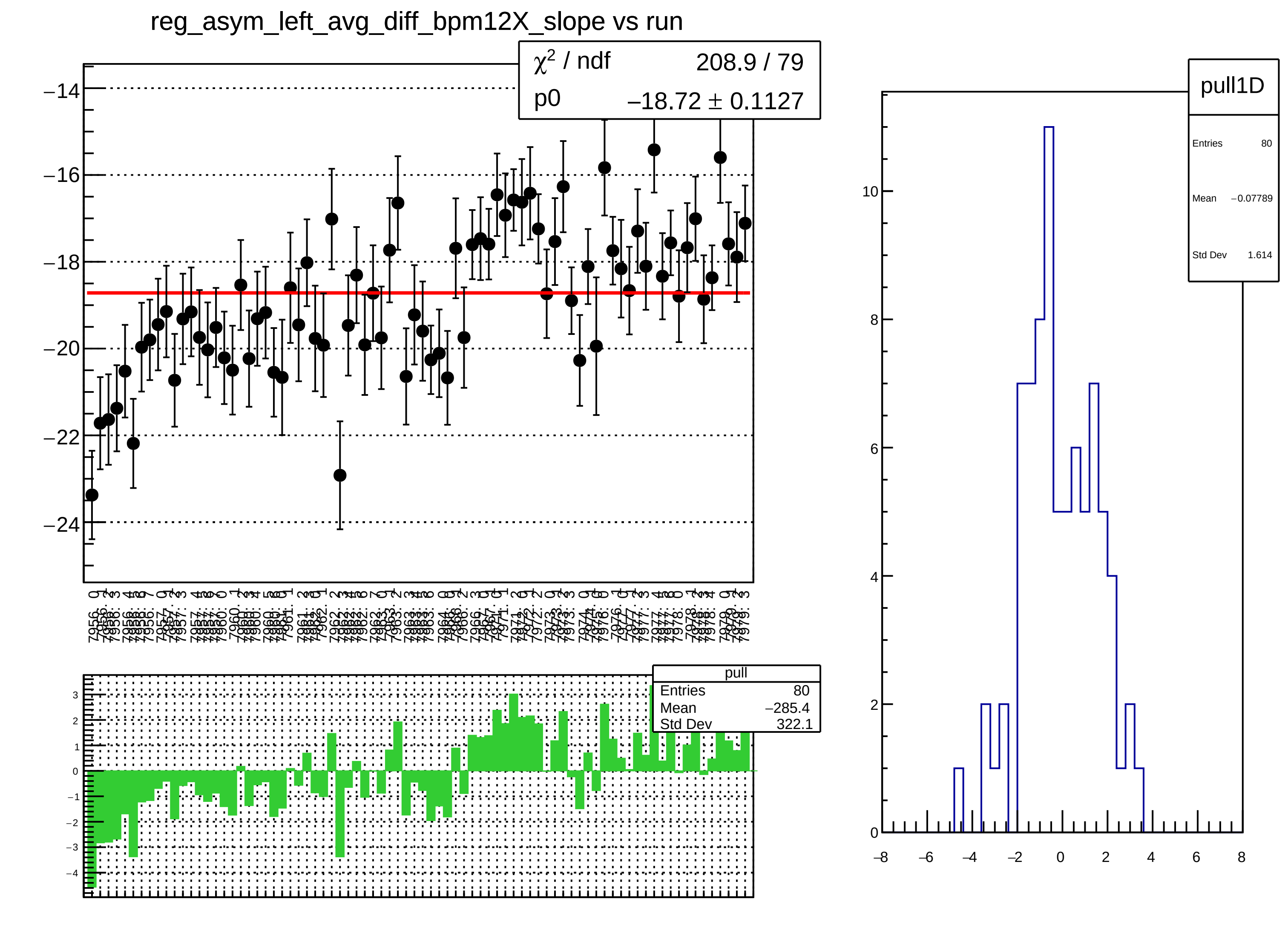


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 99.94 / 79
p0 0.7821 ± 3.419
100
50
0
−50
−100
−150
pull
Entries 80
Mean −947.3
Std Dev 991.2
pull1D
Entries 80
Mean 0.00495
Std Dev 1.118

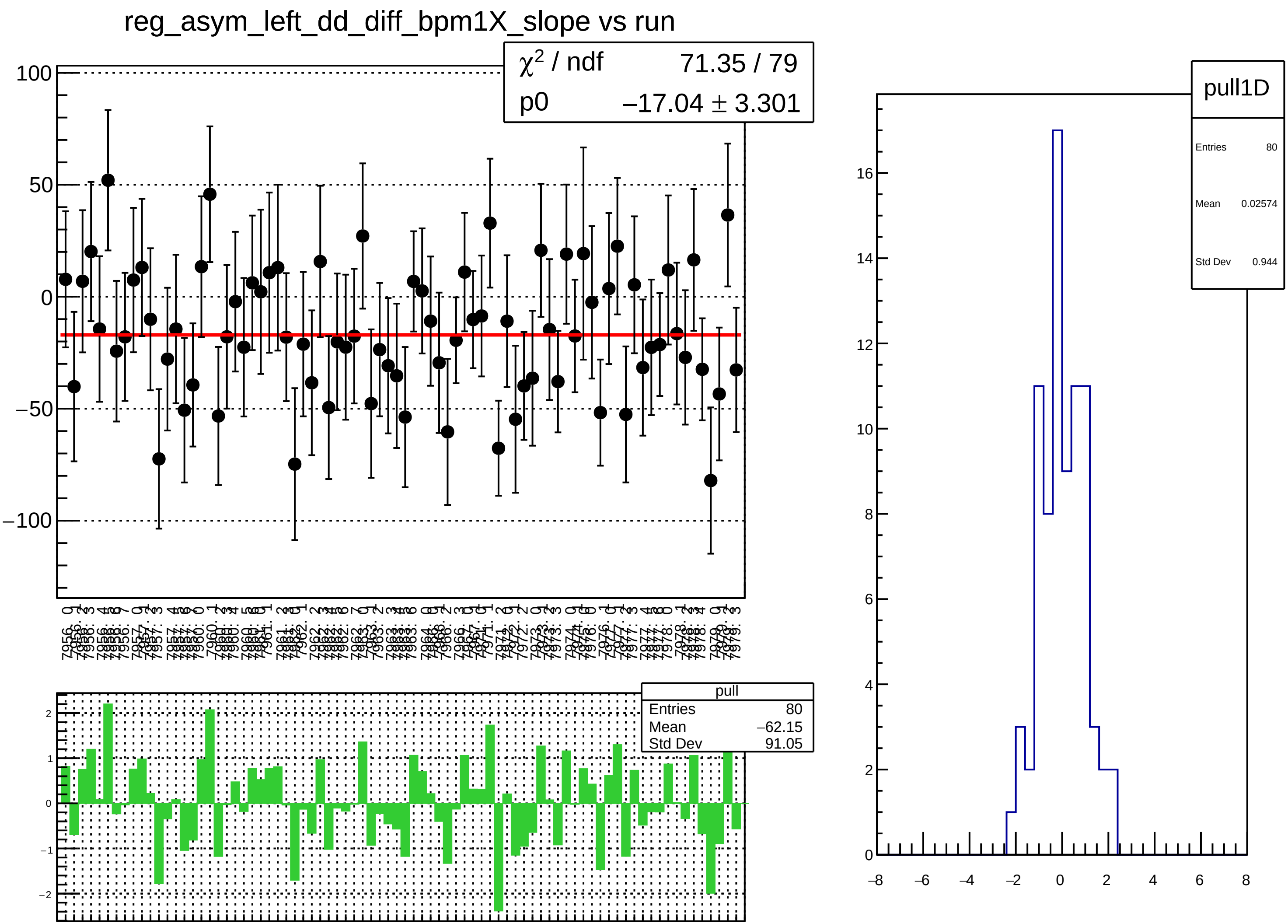


reg_asym_left_avg_diff_bpm4eX_slope vs run
χ2 / ndf 58.37 / 79
p0 −1.429 ± 2.923
pull
Entries 80
Mean −117.6
Std Dev 142.7
pull1D
Entries 80
Mean 0.02434
Std Dev 0.8539

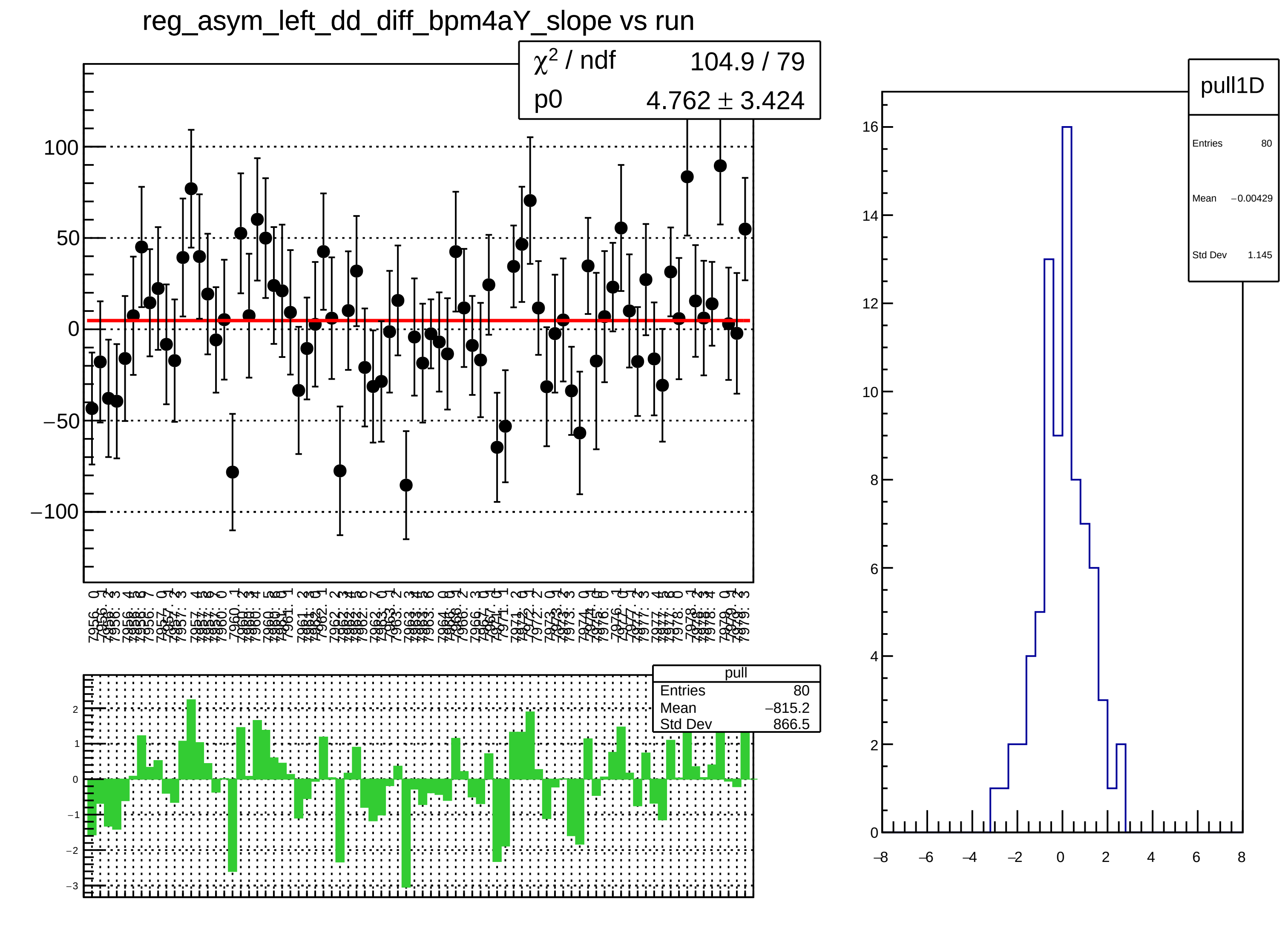

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.4 / 79
p0 11.23 ± 3.915
pull
Entries 80
Mean −873.5
Std Dev 919
pull1D
Entries 80
Mean −0.004107
Std Dev 1.109



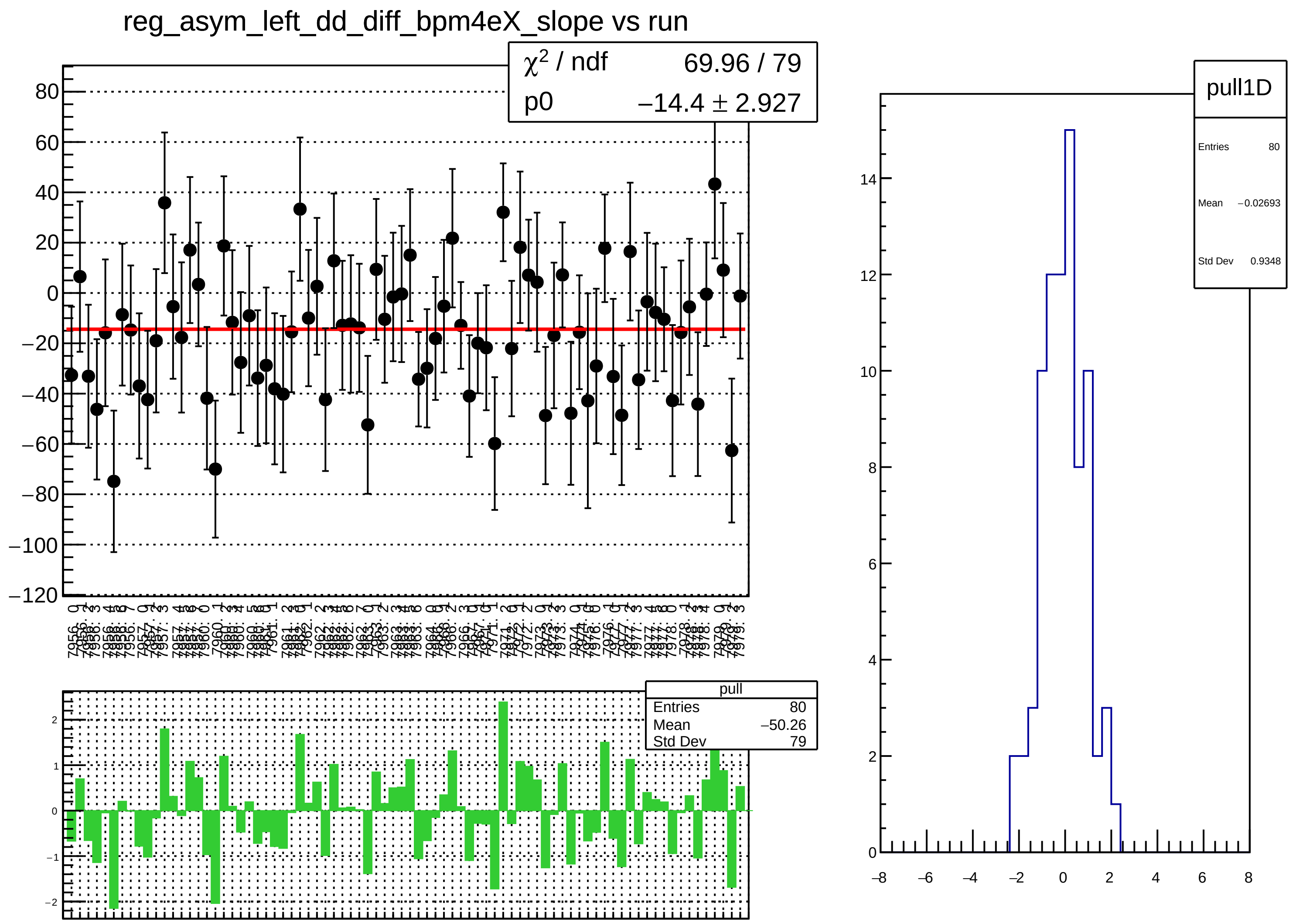
reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 208.9 / 79
p0 −18.72 ± 0.1127
pull
Entries 80
Mean −285.4
Std Dev 322.1
pull1D
Entries 80
Mean −0.07789
Std Dev 1.614



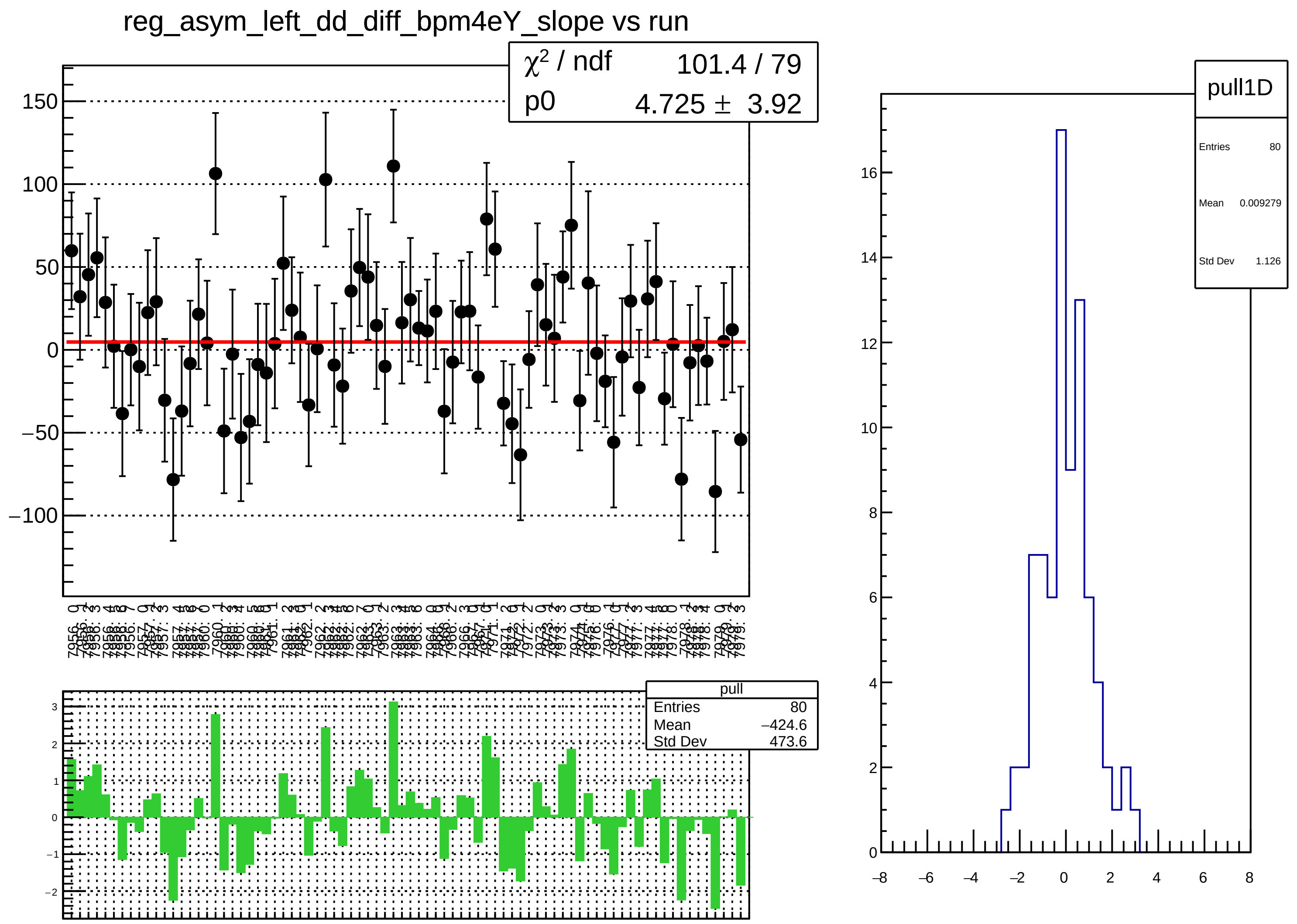
reg_asym_left_dd_diff_bpm1X_slope vs run
χ2 / ndf 71.35 / 79
p0 −17.04 ± 3.301
100
50
0
−50
−100
pull
Entries 80
Mean −62.15
Std Dev 91.05
pull1D
Entries 80
Mean 0.02574
Std Dev 0.944

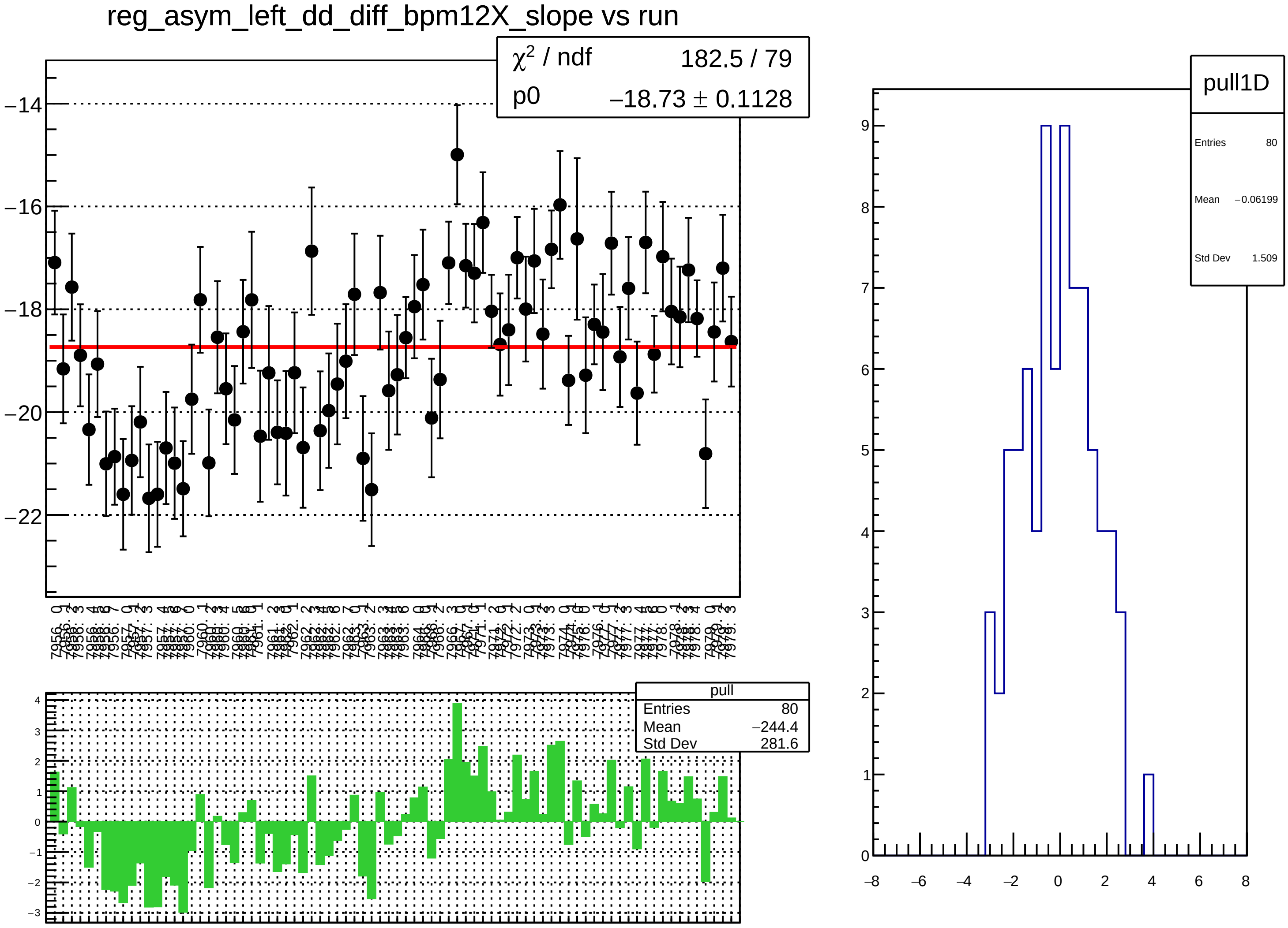


reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 104.9 / 79
p0 4.762 ± 3.424
pull
Entries 80
Mean −815.2
Std Dev 866.5
pull1D
Entries 80
Mean −0.00429
Std Dev 1.145

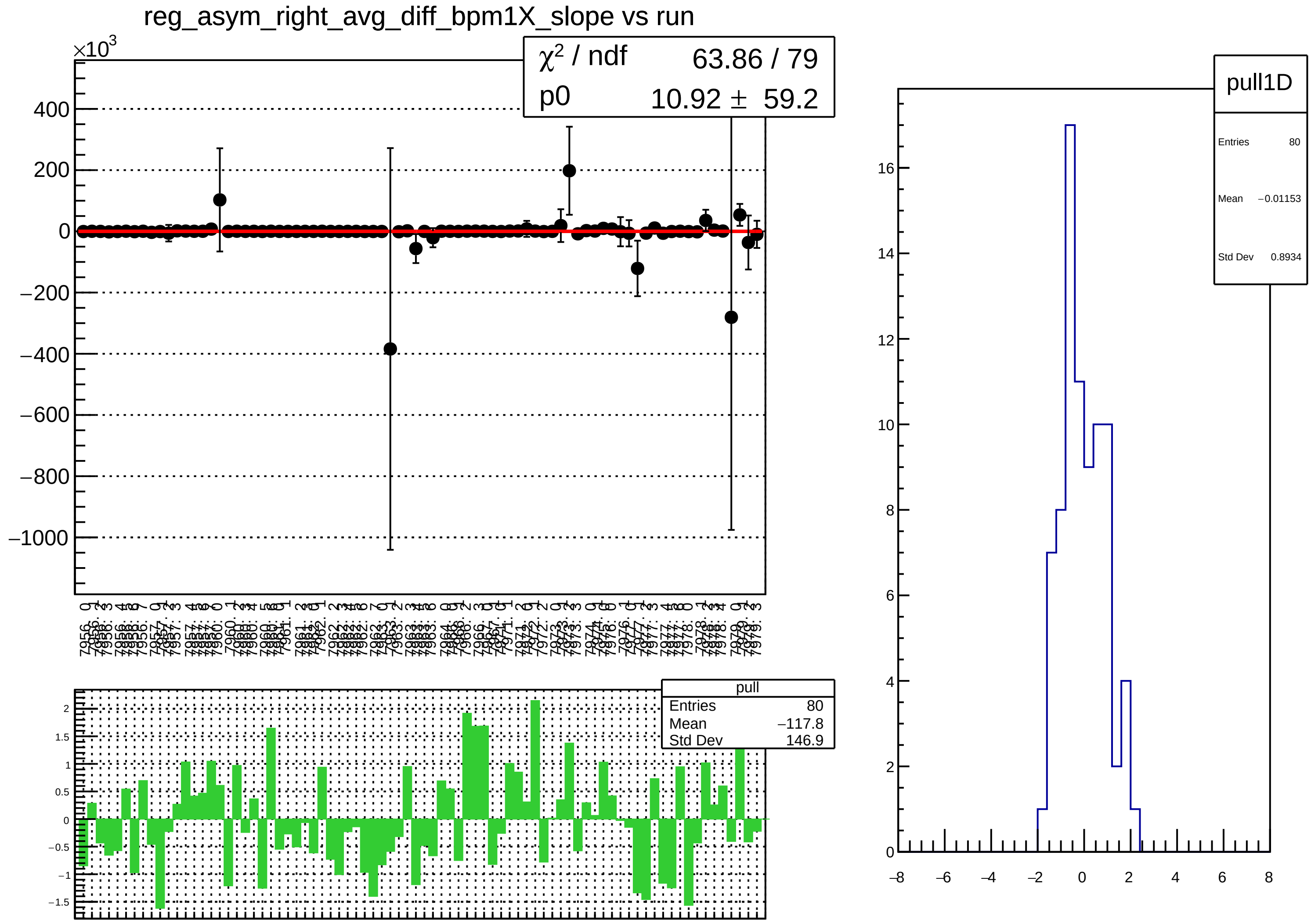


reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 69.96 / 79
p0 −14.4 ± 2.927
pull
Entries 80
Mean −50.26
Std Dev 79
pull1D
Entries 80
Mean −0.02693
Std Dev 0.9348

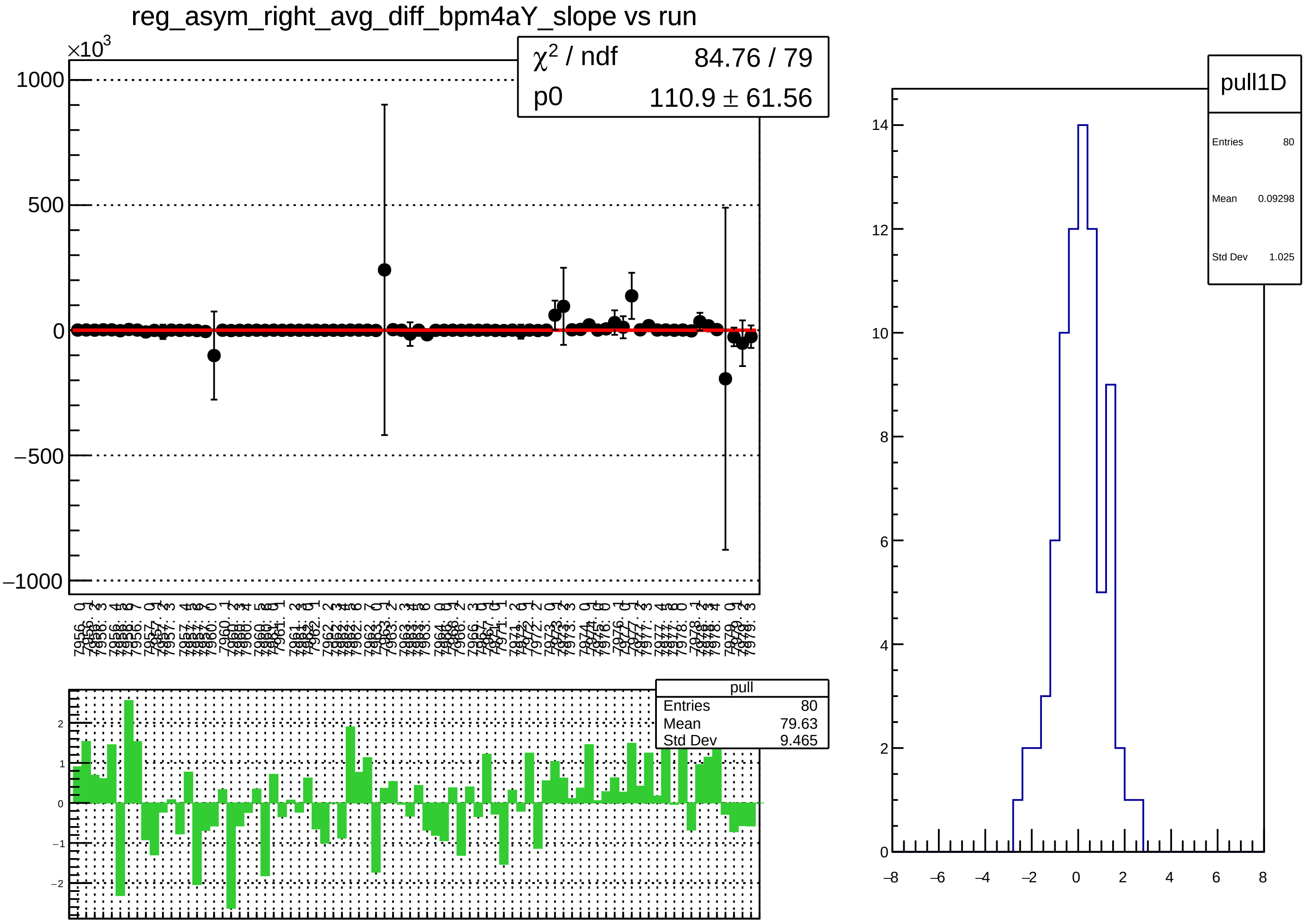

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 101.4 / 79
p0 4.725 ± 3.92
pull
Entries 80
Mean −424.6
Std Dev 473.6
pull1D
Entries 80
Mean 0.009279
Std Dev 1.126



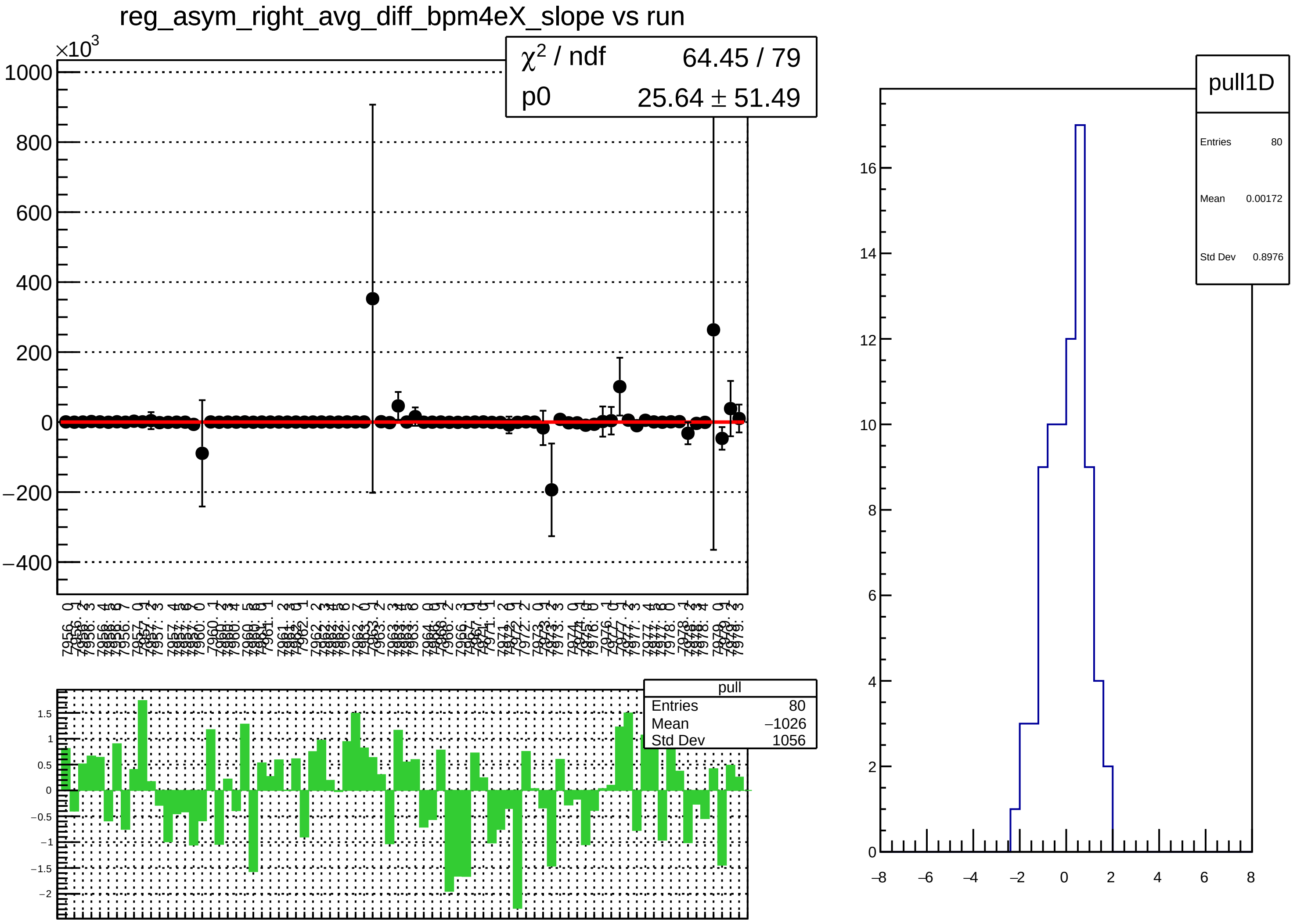
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 182.5 / 79
p0 −18.73 ± 0.1128
−14
−16
−18
−20
−22
pull
Entries 80
Mean −244.4
Std Dev 281.6
pull1D
Entries 80
Mean −0.06199
Std Dev 1.509



reg_asym_right_avg_diff_bpm1X_slope vs run
$\times10^3$
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

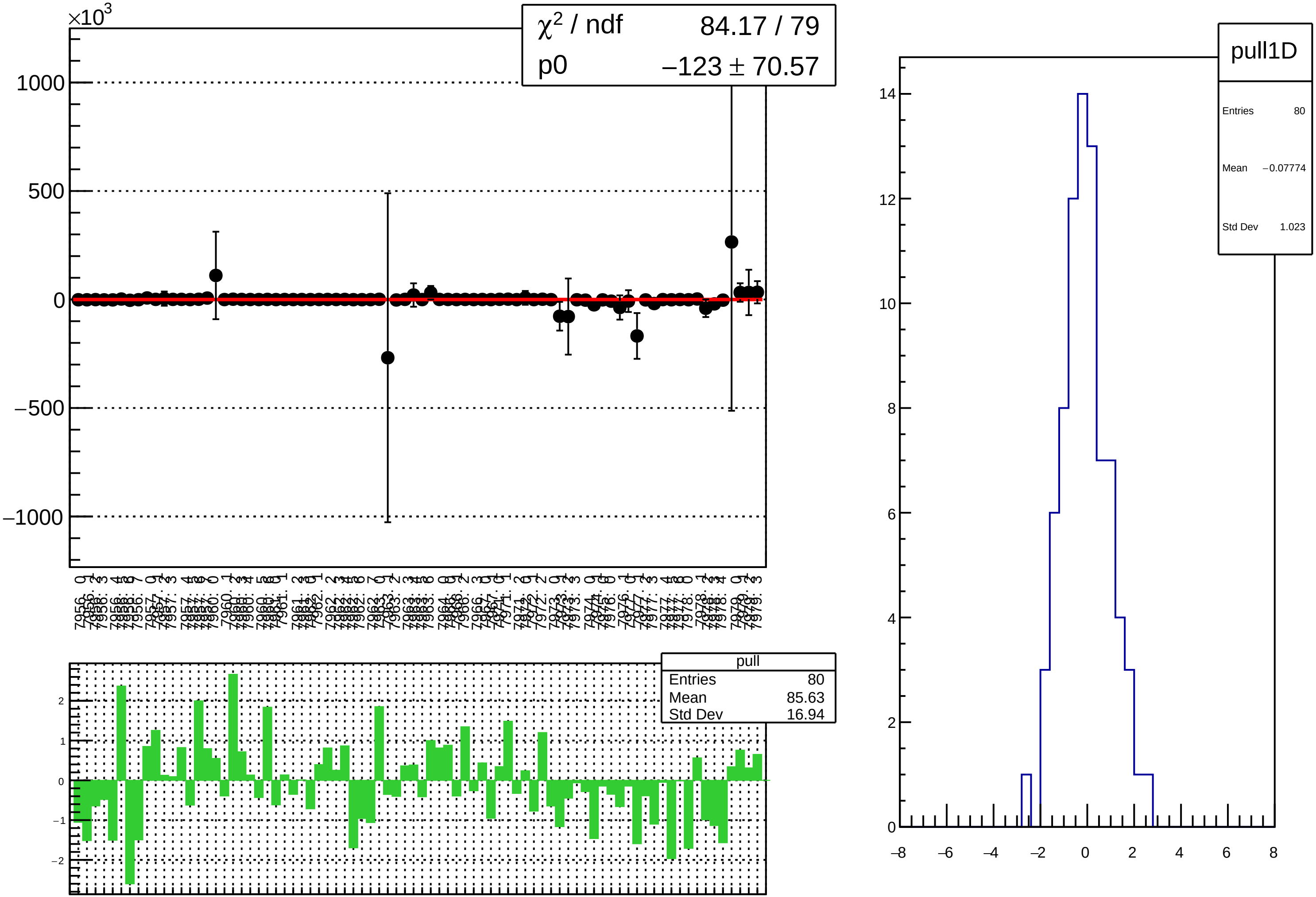


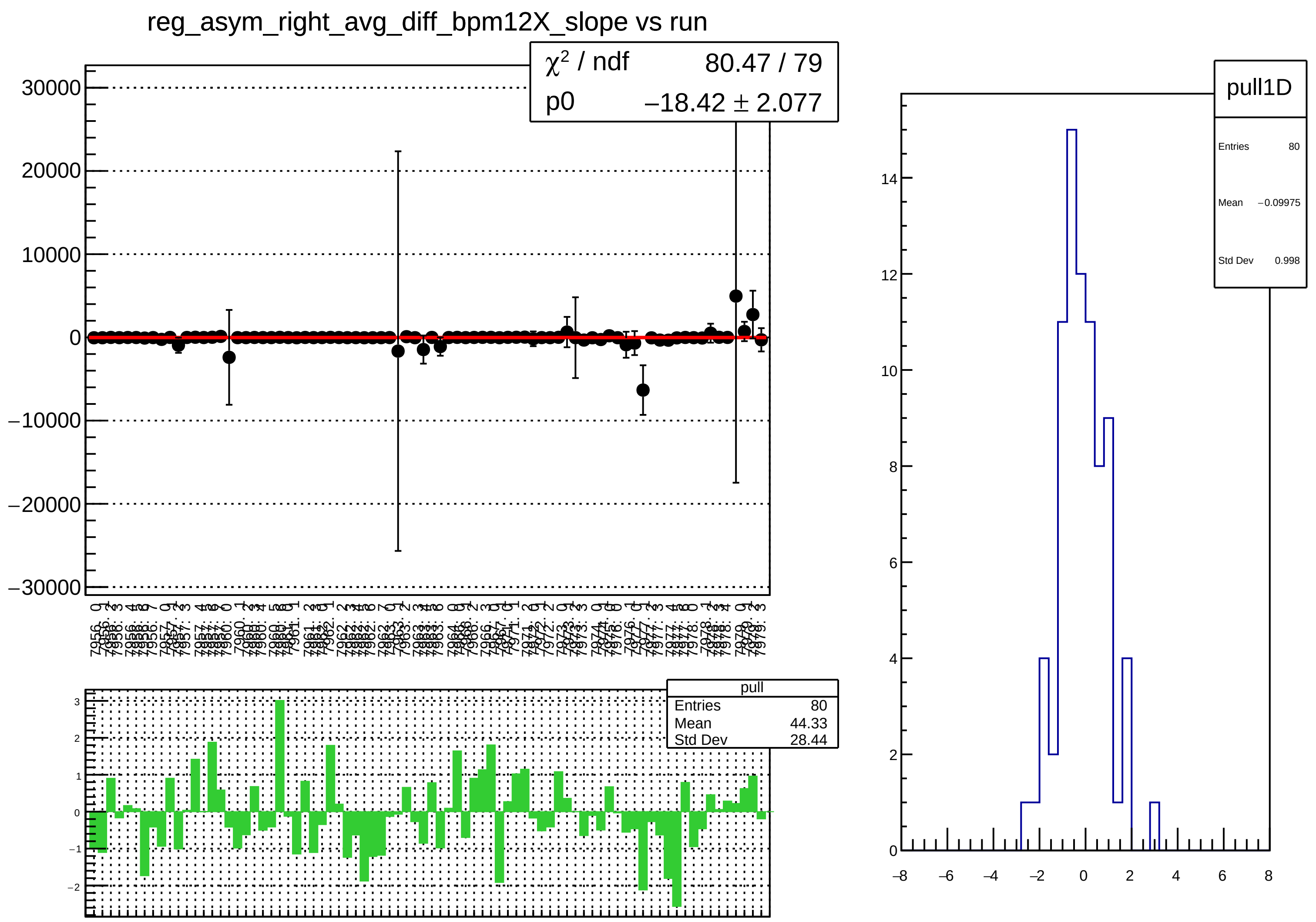
reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 84.76 / 79
p0 110.9 ± 61.56
pull
Entries 80
Mean 79.63
Std Dev 9.465
pull1D
Entries 80
Mean 0.09298
Std Dev 1.025



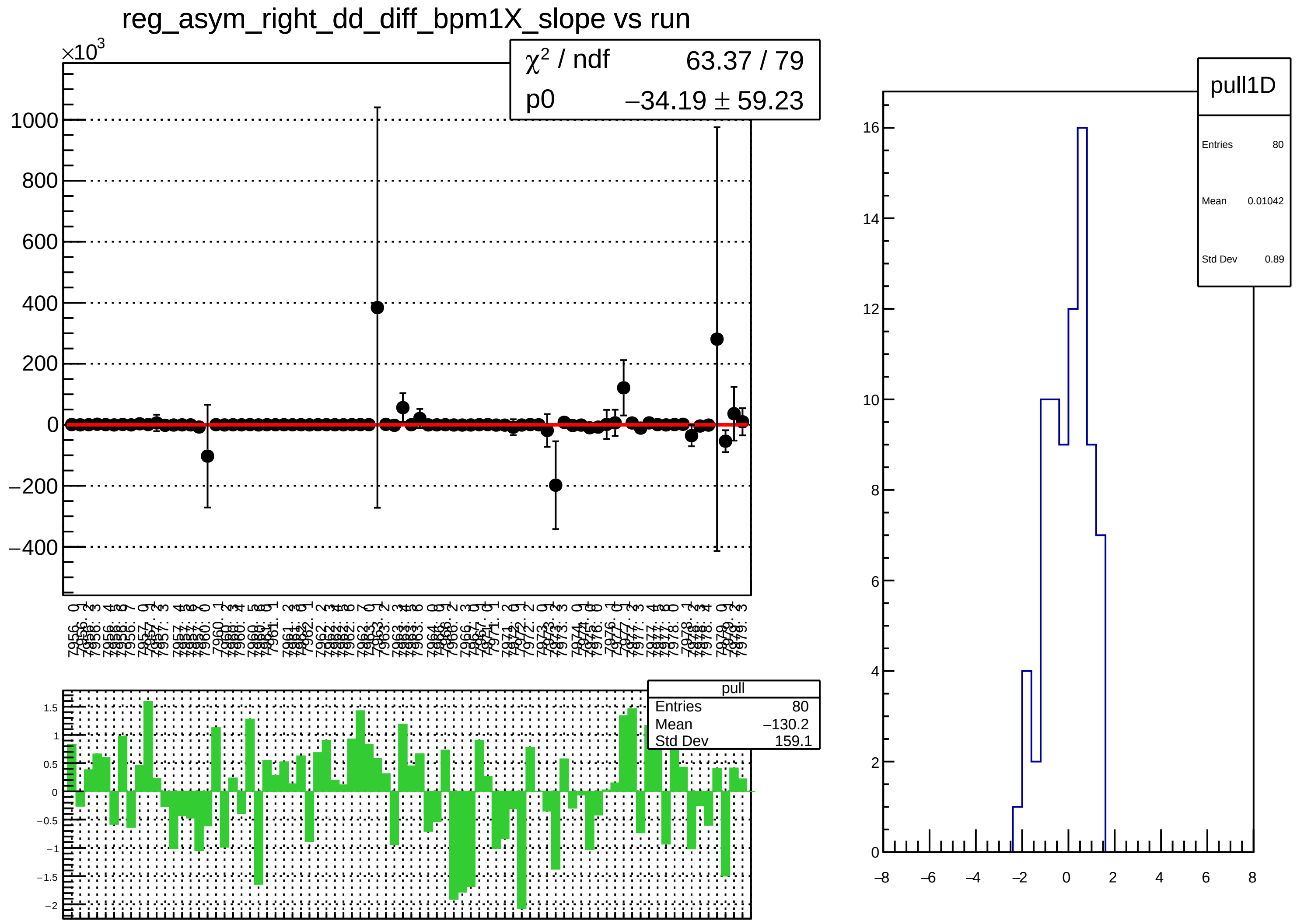
reg_asym_right_avg_diff_bpm4eX_slope vs run
$\times 10^3$
χ^2 / ndf 64.45 / 79
p0 25.64 ± 51.49
pull
Entries 80
Mean −1026
Std Dev 1056
pull1D
Entries 80
Mean 0.00172
Std Dev 0.8976

reg_asym_right_avg_diff_bpm4eY_slope vs run

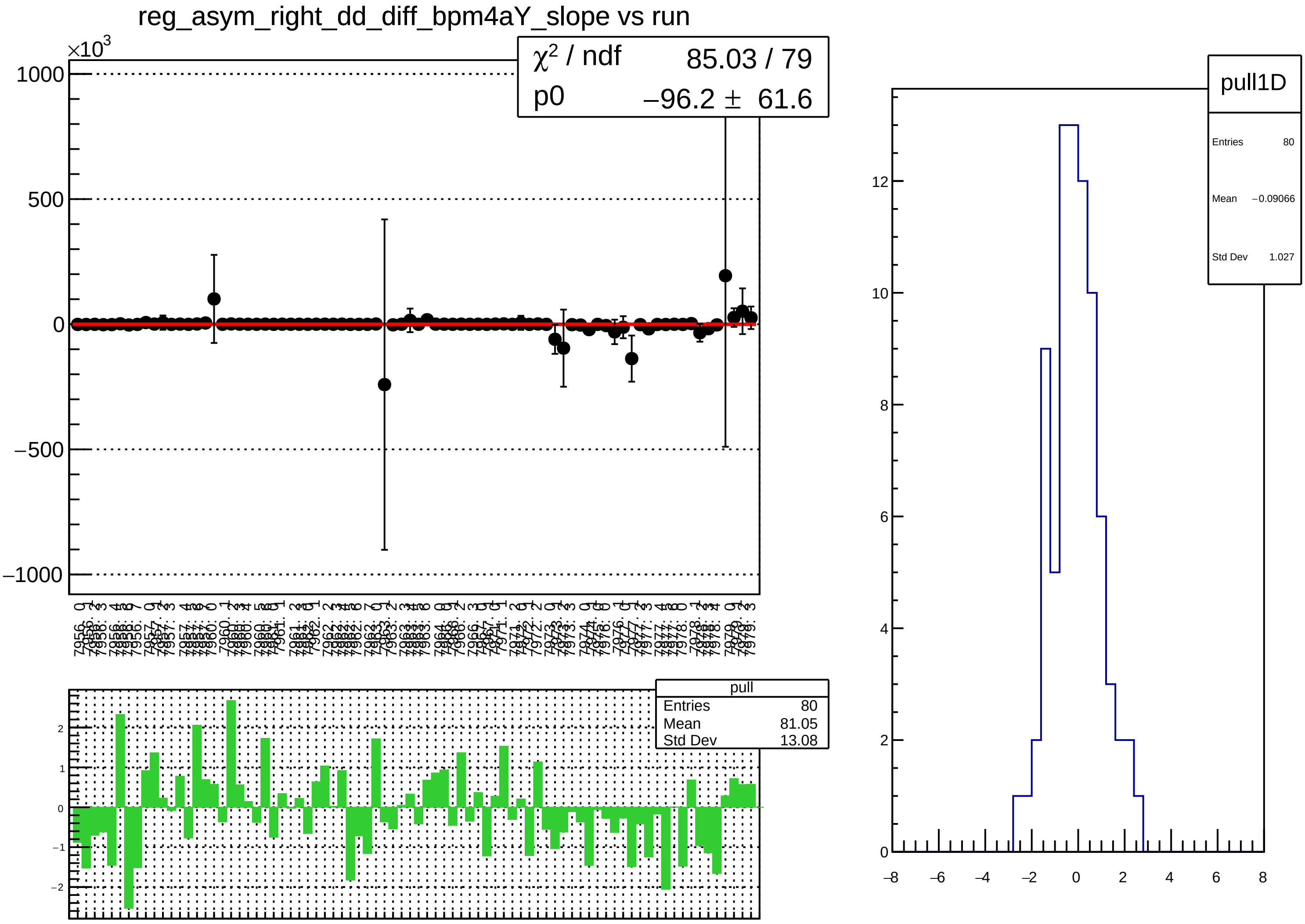




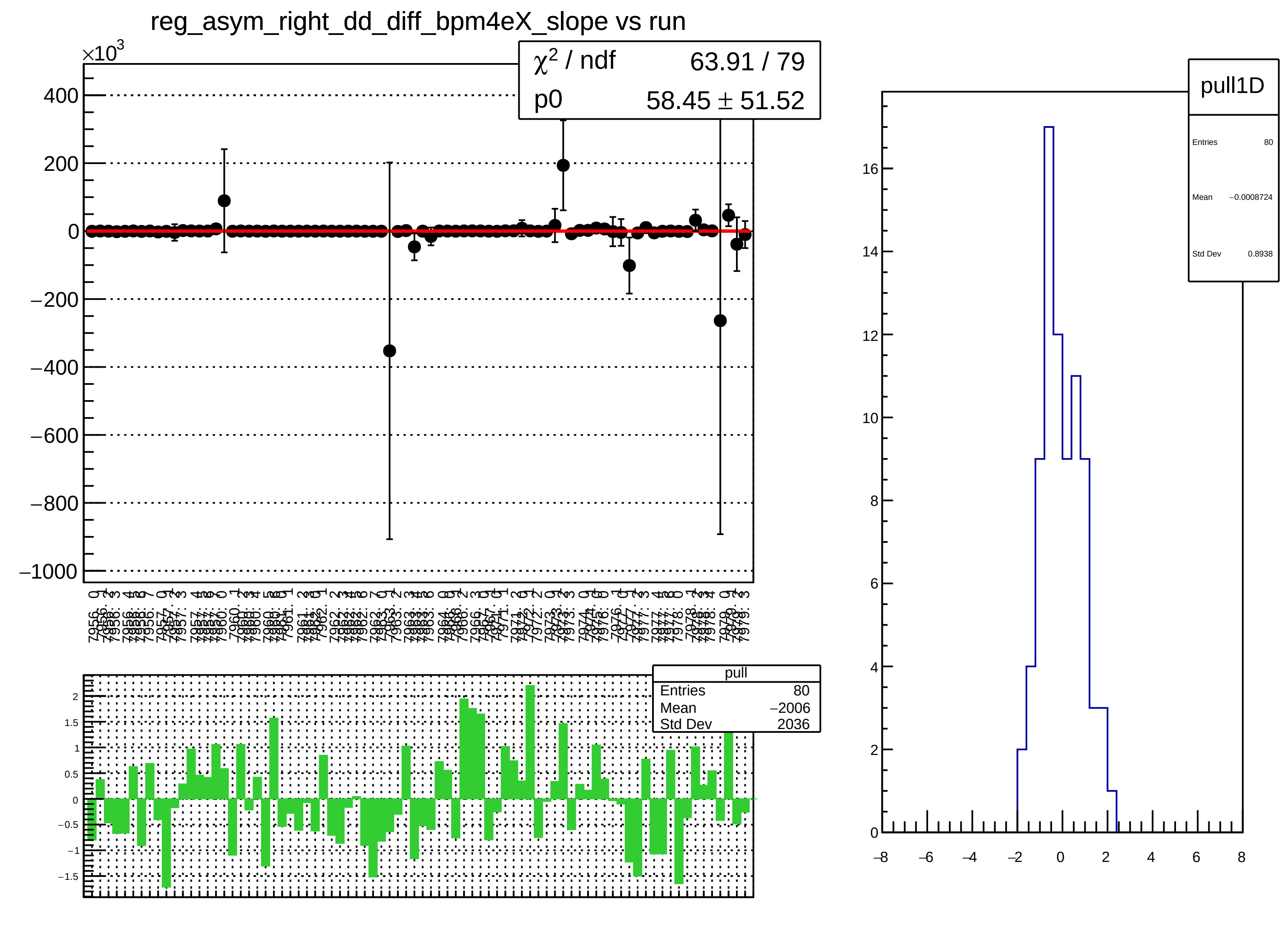
reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 80.47 / 79
p0 −18.42 ± 2.077
pull
Entries 80
Mean 44.33
Std Dev 28.44
pull1D
Entries 80
Mean −0.09975
Std Dev 0.998

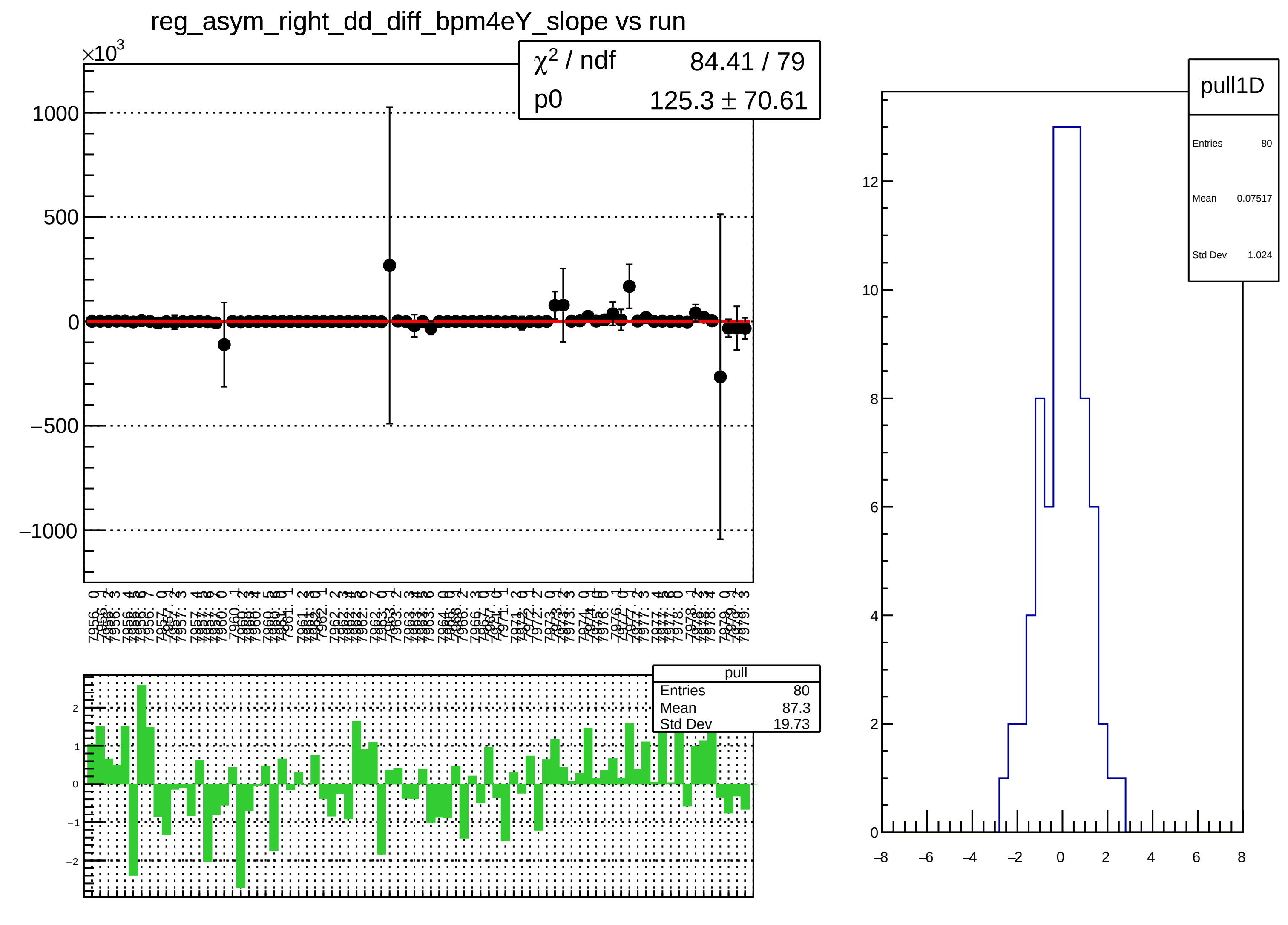


reg_asym_right_dd_diff_bpm1X_slope vs run
$\times 10^3$
χ^2 / ndf 63.37 / 79
p0 −34.19 ± 59.23
pull
Entries 80
Mean −130.2
Std Dev 159.1
pull1D
Entries 80
Mean 0.01042
Std Dev 0.89

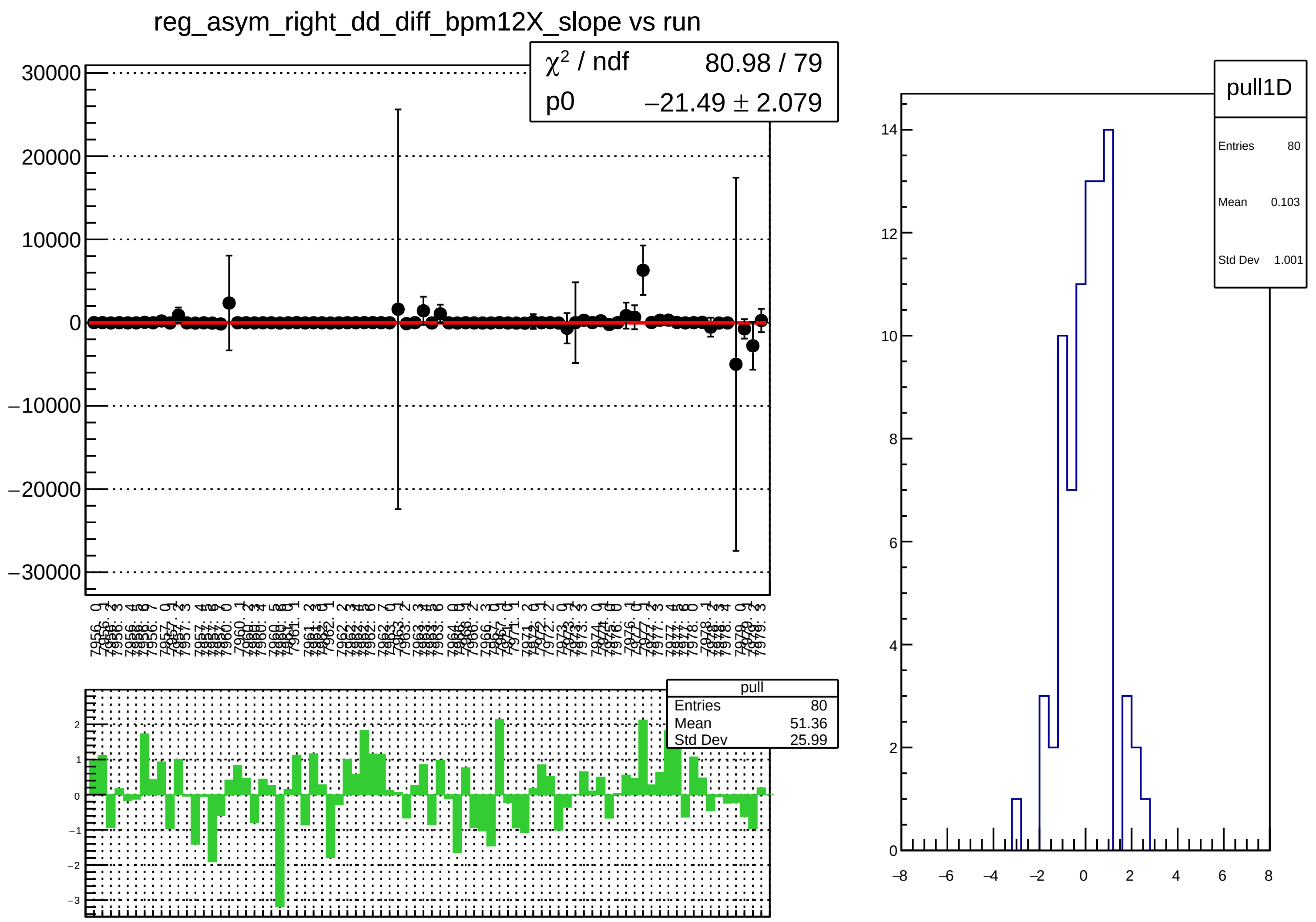


reg_asym_right_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 85.03 / 79
p0 −96.2 ± 61.6
1000
500
0
−500
−1000
pull
Entries 80
Mean 81.05
Std Dev 13.08
pull1D
Entries 80
Mean −0.09066
Std Dev 1.027

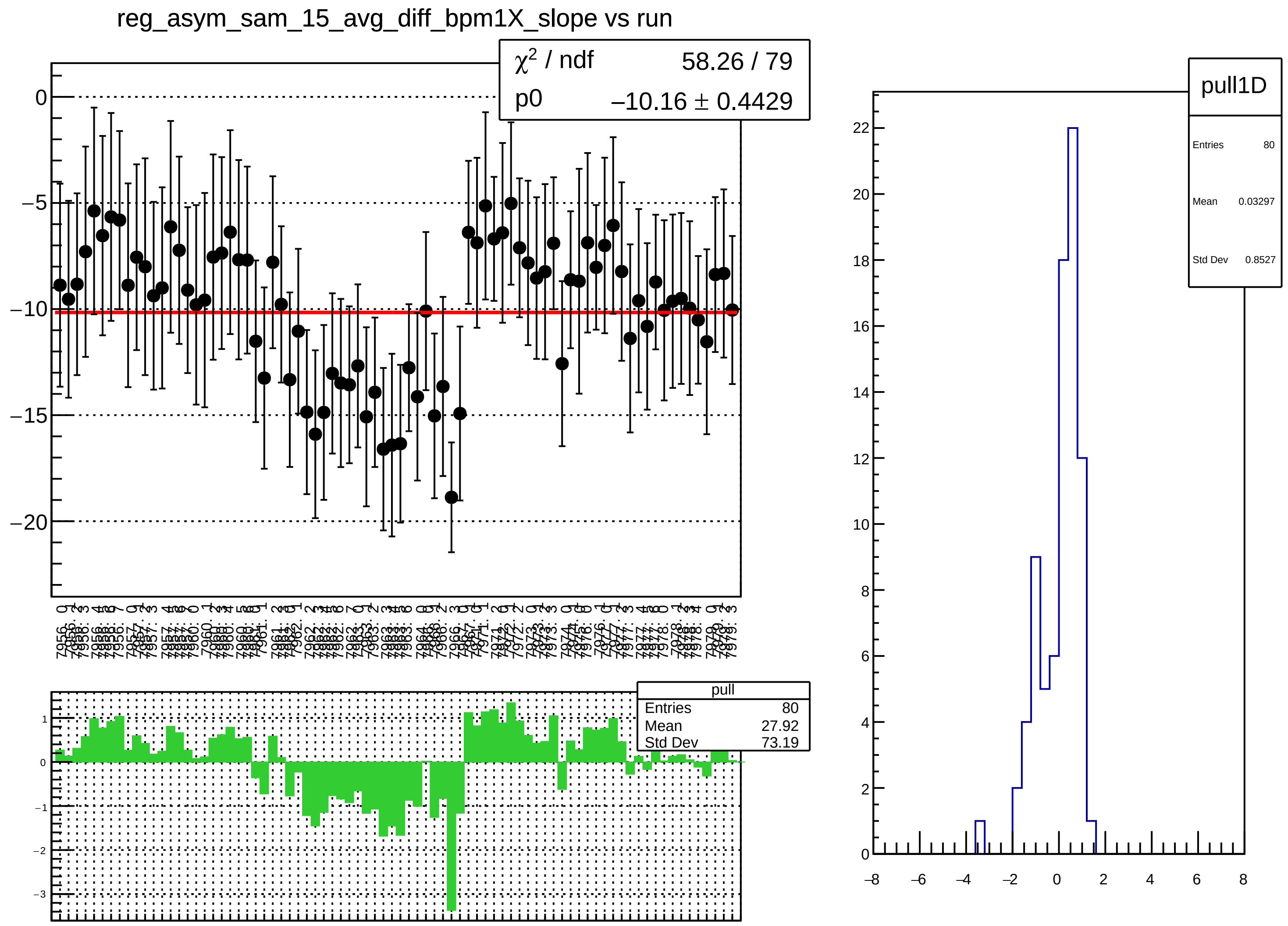

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.91 / 79
p0 58.45 ± 51.52
pull
Entries 80
Mean −2006
Std Dev 2036
pull1D
Entries 80
Mean −0.0008724
Std Dev 0.8938



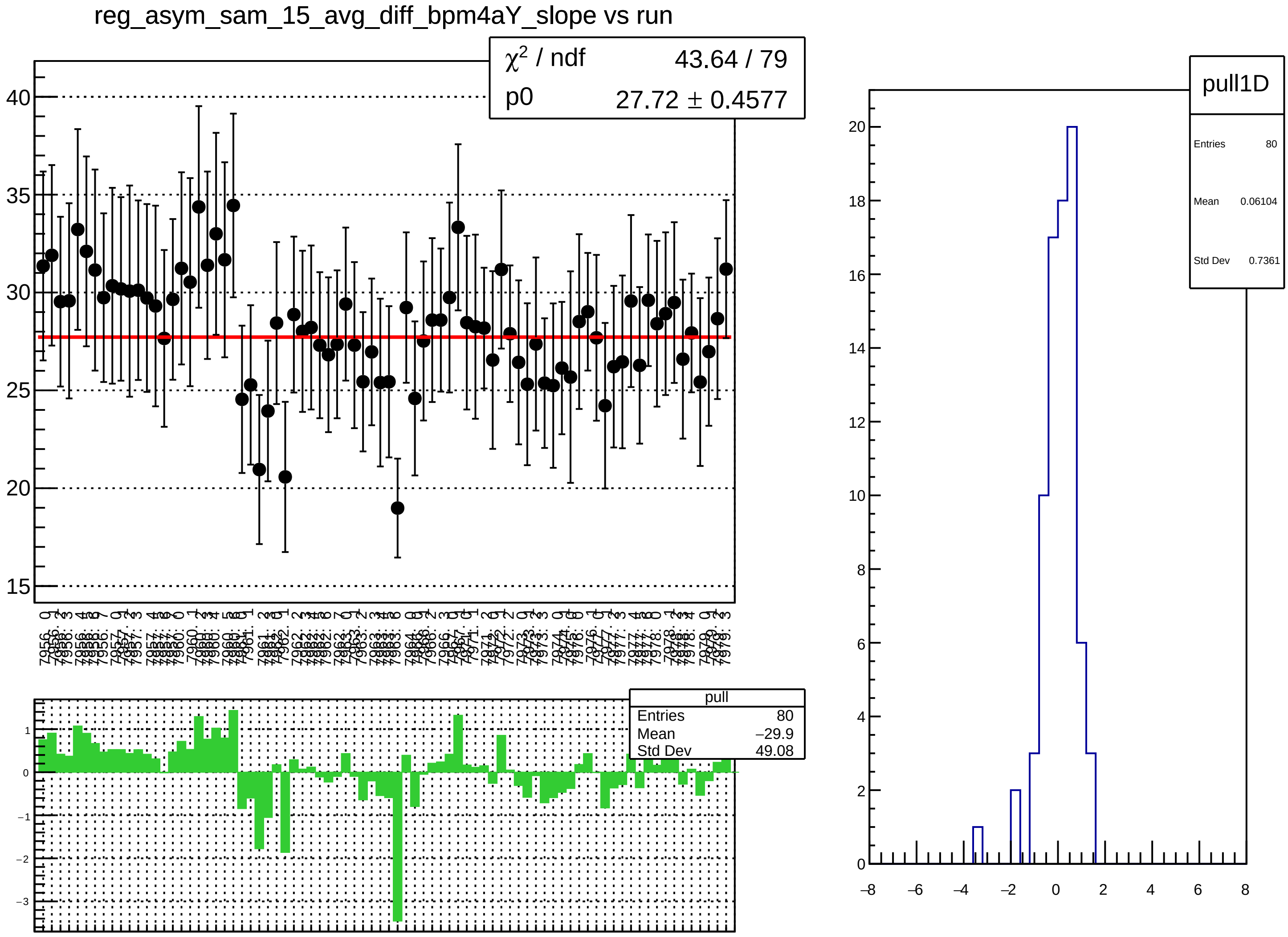
reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 84.41 / 79
p0 125.3 ± 70.61
1000
500
0
−500
−1000
pull
Entries 80
Mean 87.3
Std Dev 19.73
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.07517
Std Dev 1.024
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



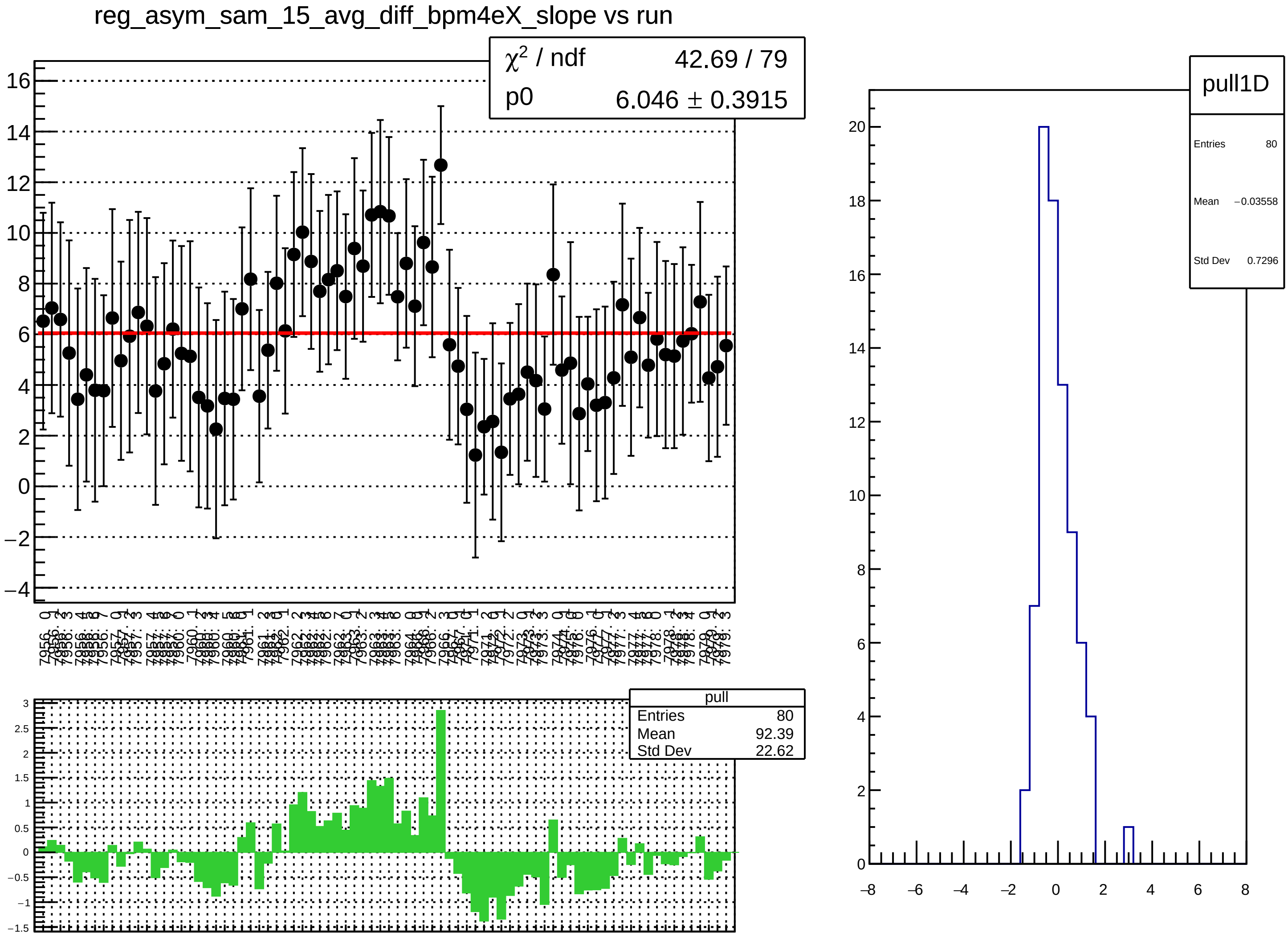
reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 80.98 / 79
p0 −21.49 ± 2.079
pull
Entries 80
Mean 51.36
Std Dev 25.99
pull1D
Entries 80
Mean 0.103
Std Dev 1.001



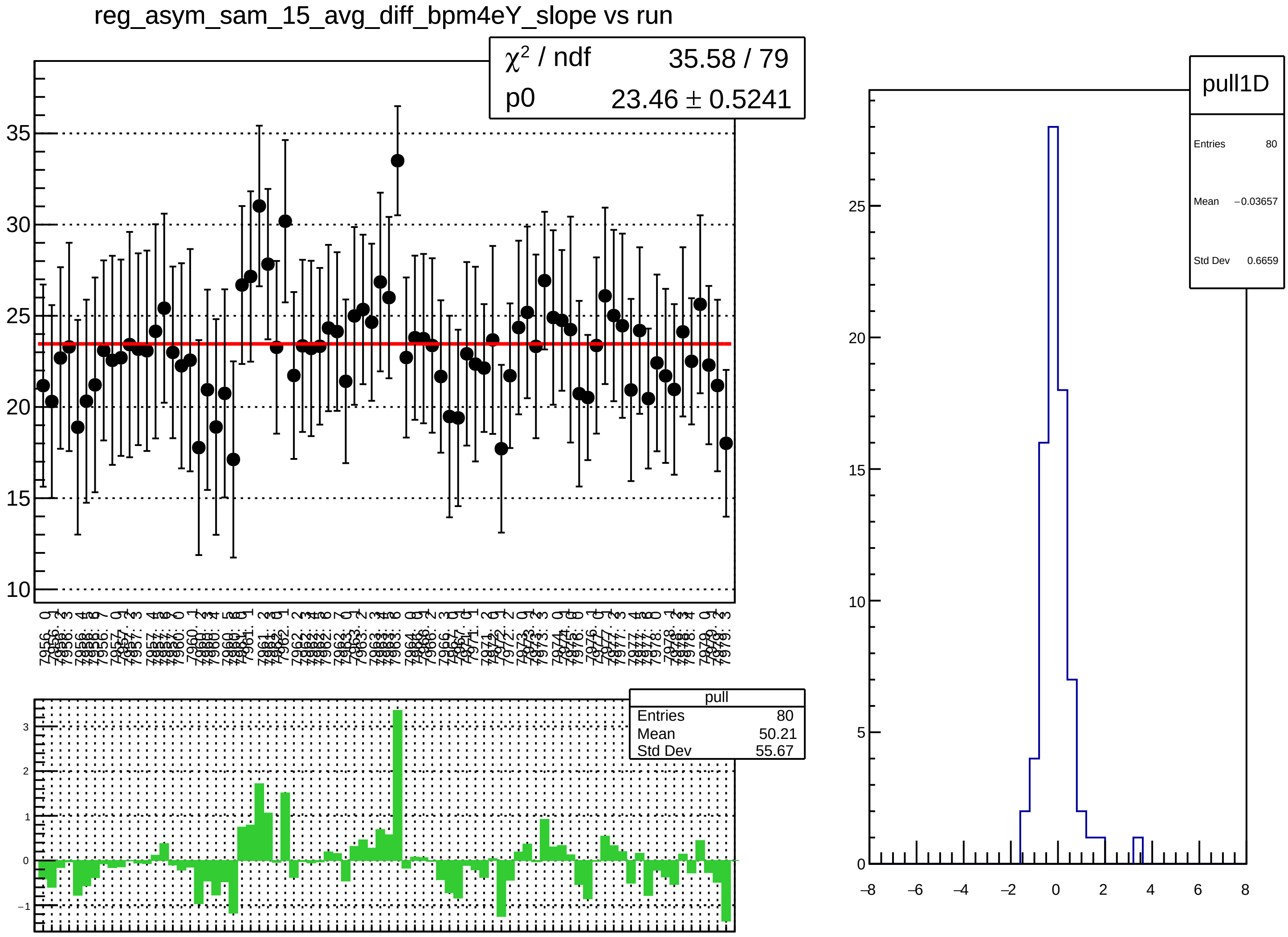
reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.26 / 79
p0 −10.16 ± 0.4429
pull
Entries 80
Mean 27.92
Std Dev 73.19
pull1D
Entries 80
Mean 0.03297
Std Dev 0.8527



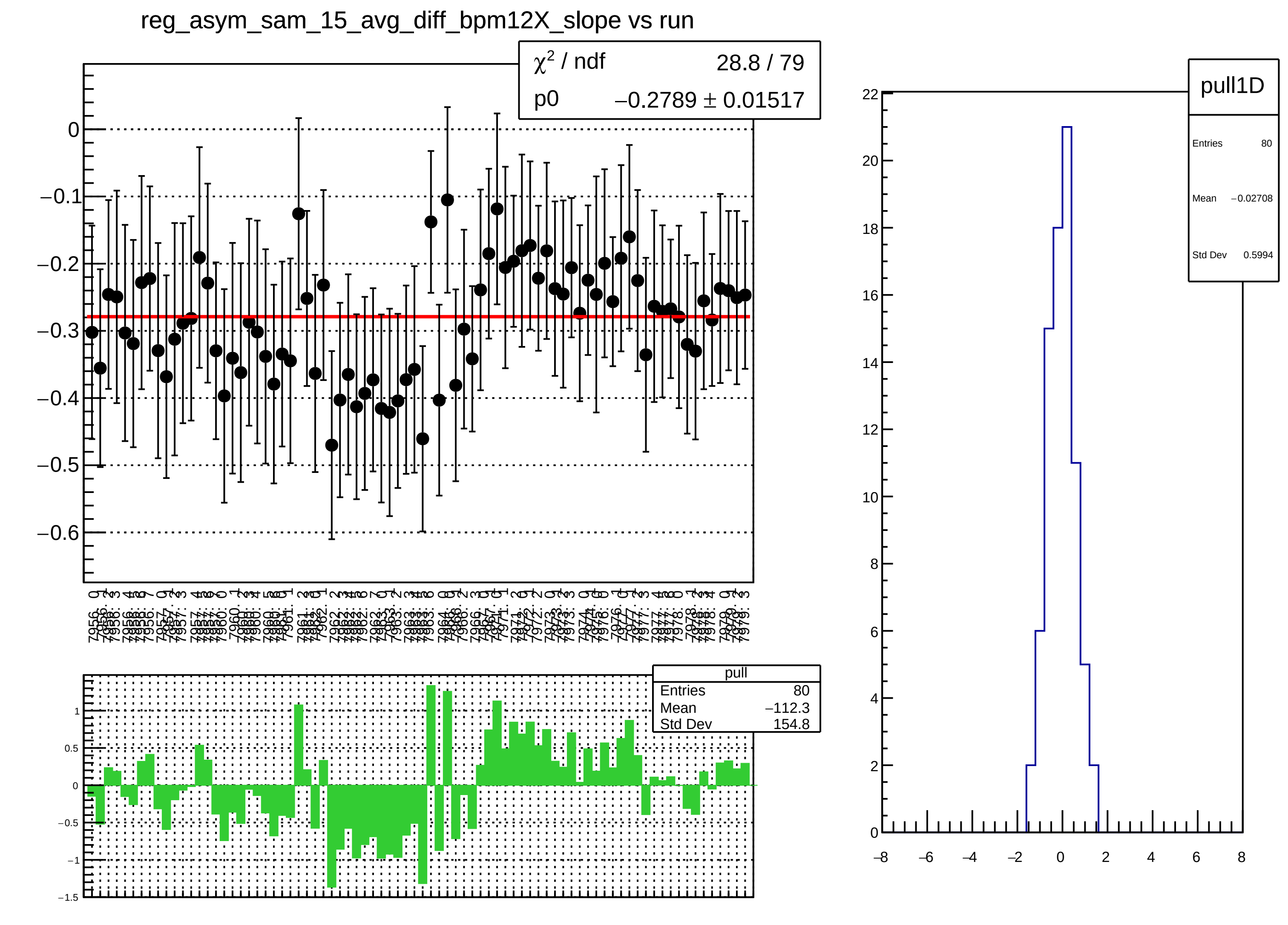
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 43.64 / 79
p0 27.72 ± 0.4577
pull
Entries 80
Mean −29.9
Std Dev 49.08
pull1D
Entries 80
Mean 0.06104
Std Dev 0.7361



reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / 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

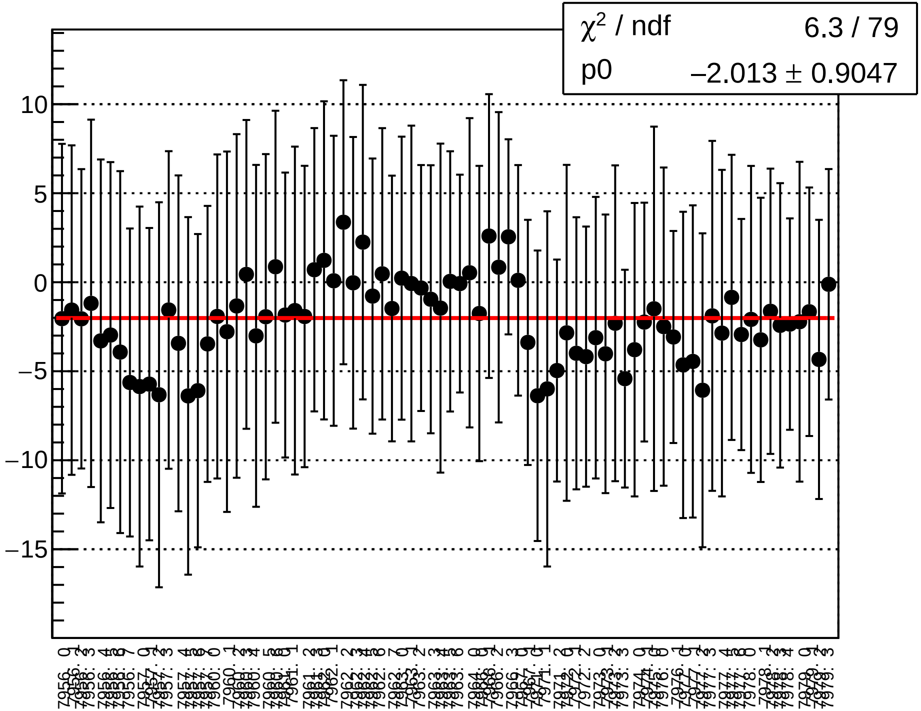


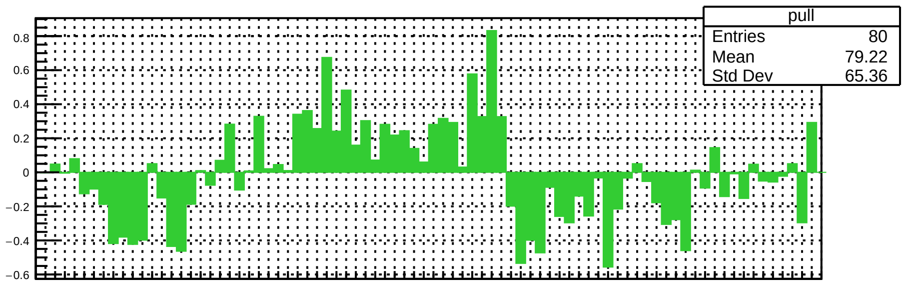
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.58 / 79
p0 23.46 ± 0.5241
pull
Entries 80
Mean 50.21
Std Dev 55.67
pull1D
Entries 80
Mean −0.03657
Std Dev 0.6659

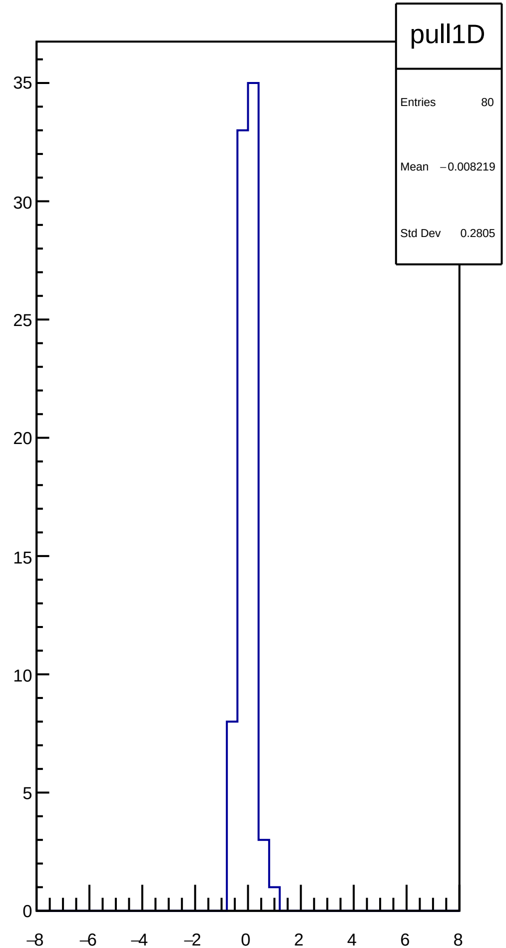


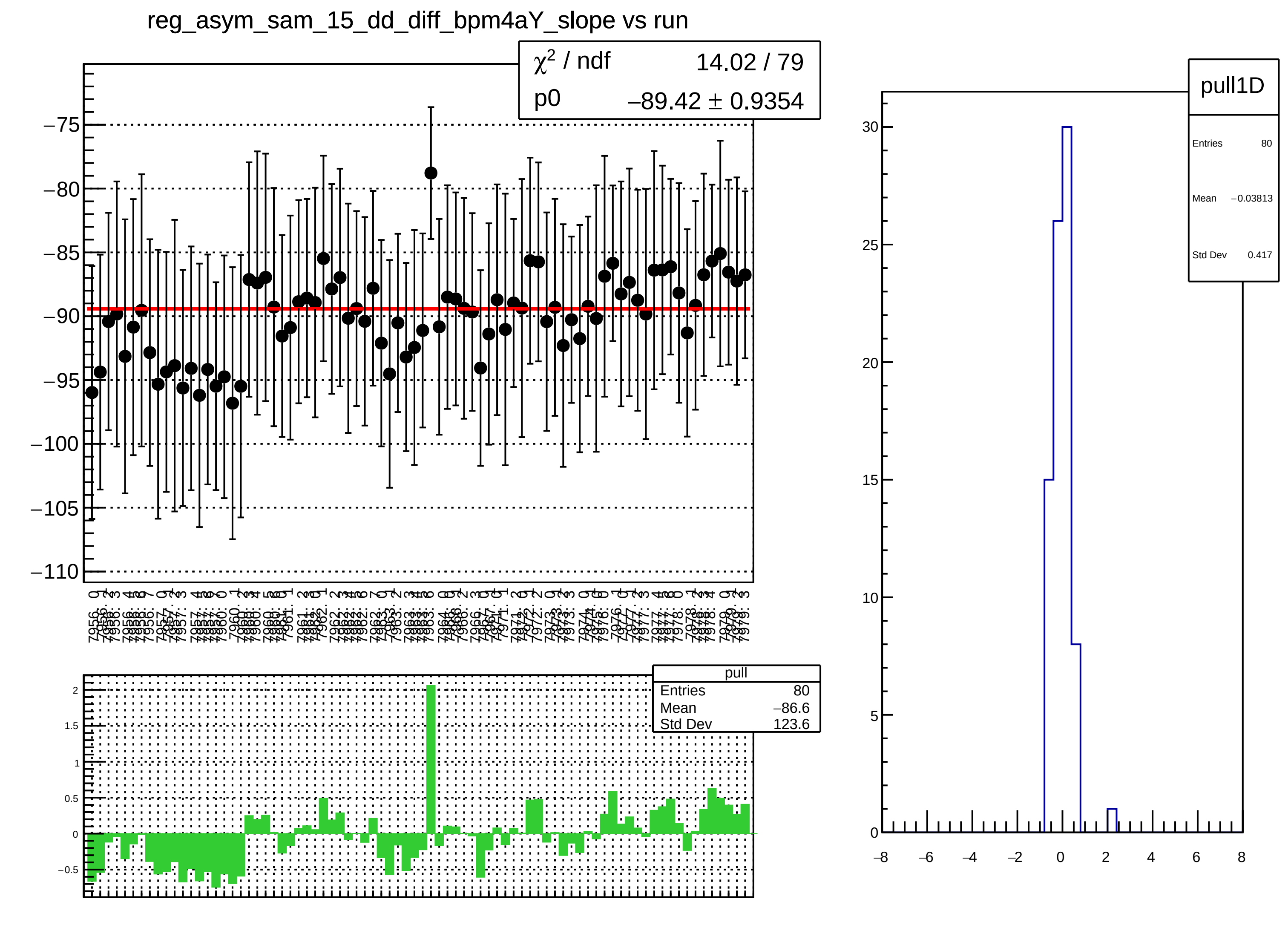
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ2 / ndf 28.8 / 79
p0 −0.2789 ± 0.01517
pull
Entries 80
Mean −112.3
Std Dev 154.8
pull1D
Entries 80
Mean −0.02708
Std Dev 0.5994

reg_asym_sam_15_dd_diff_bpm1X_slope vs run

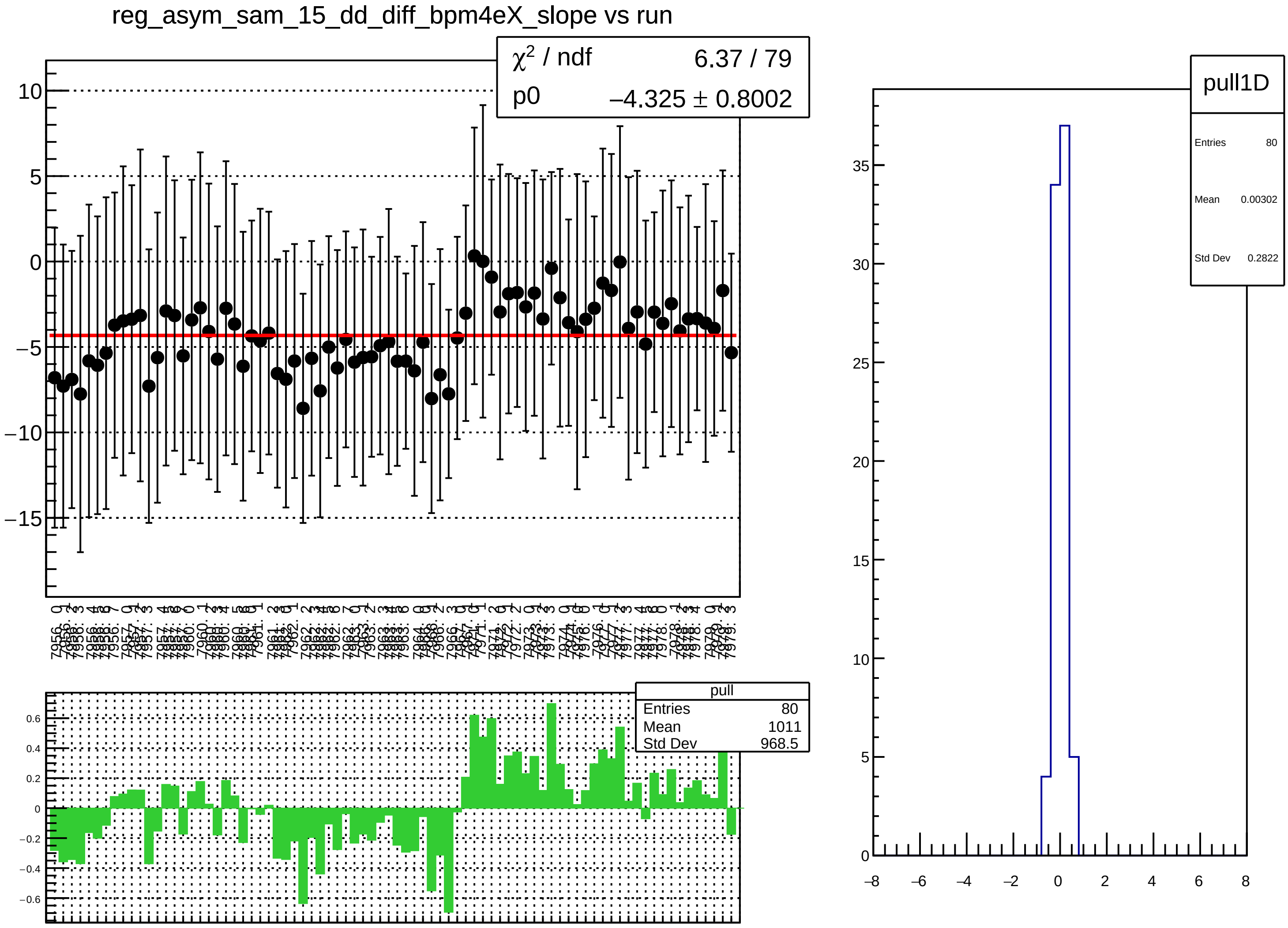






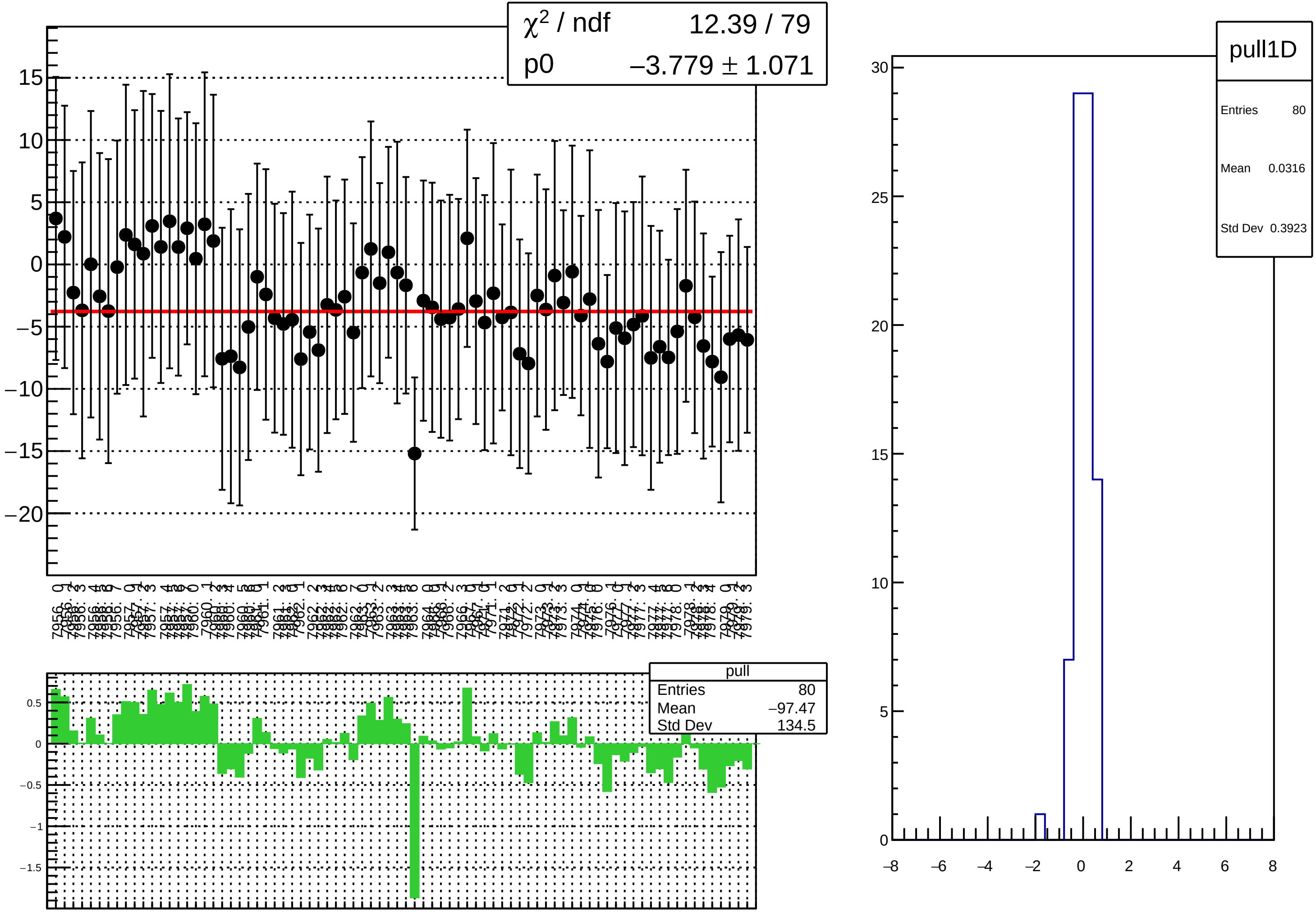


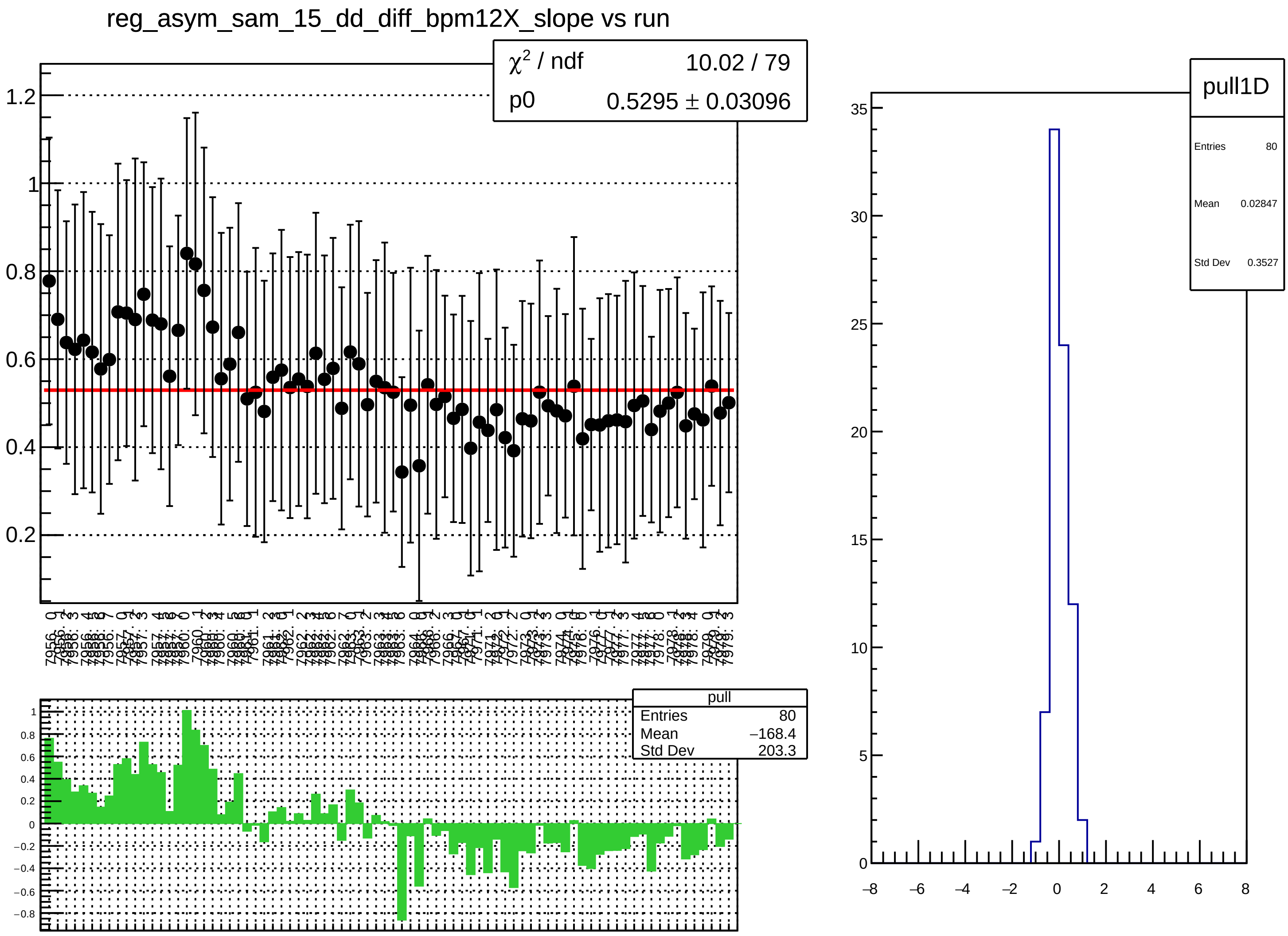
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 14.02 / 79
p0 −89.42 ± 0.9354
pull
Entries 80
Mean −86.6
Std Dev 123.6
pull1D
Entries 80
Mean −0.03813
Std Dev 0.417



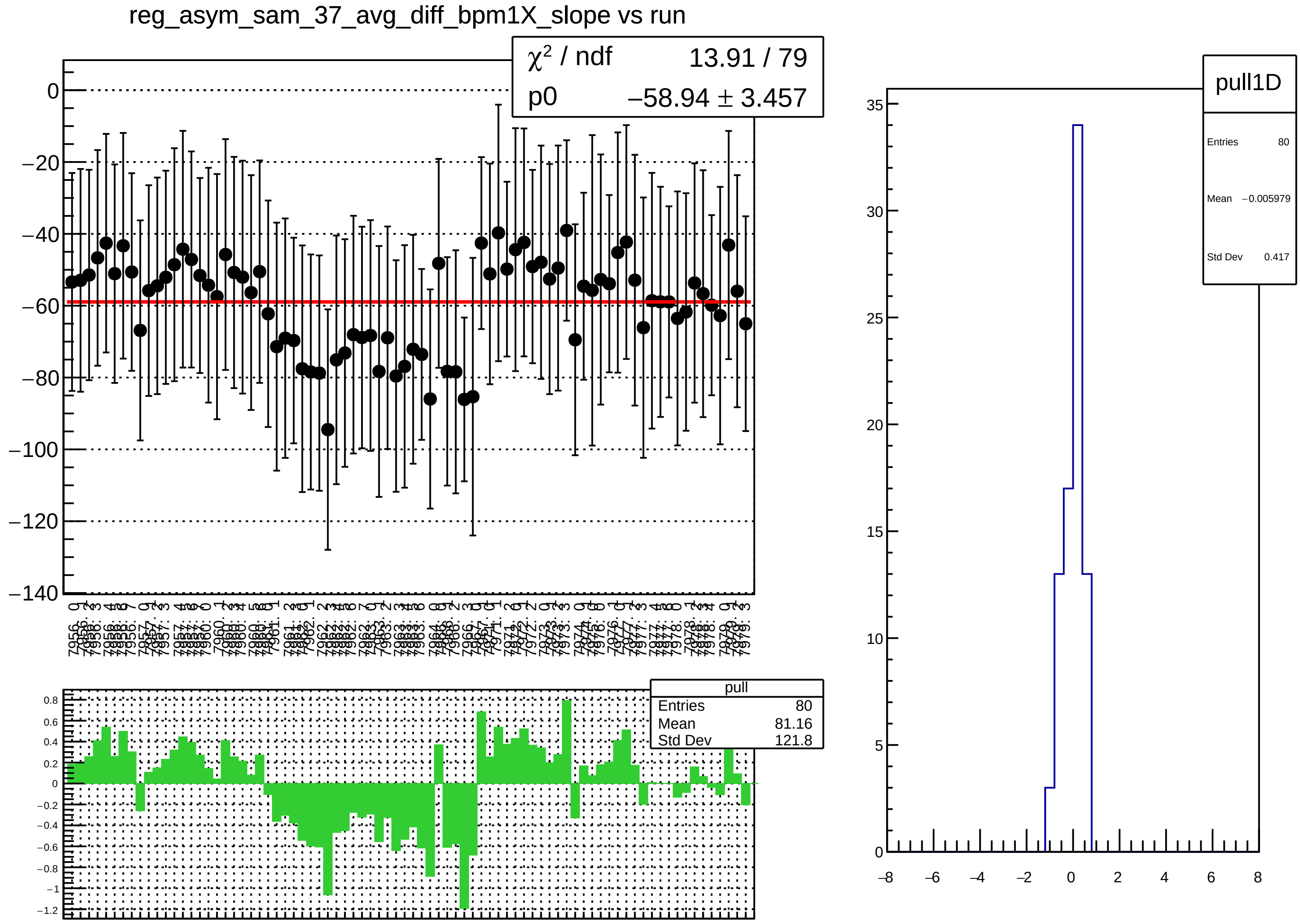
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.37 / 79
p0 −4.325 ± 0.8002
pull
Entries 80
Mean 1011
Std Dev 968.5
pull1D
Entries 80
Mean 0.00302
Std Dev 0.2822

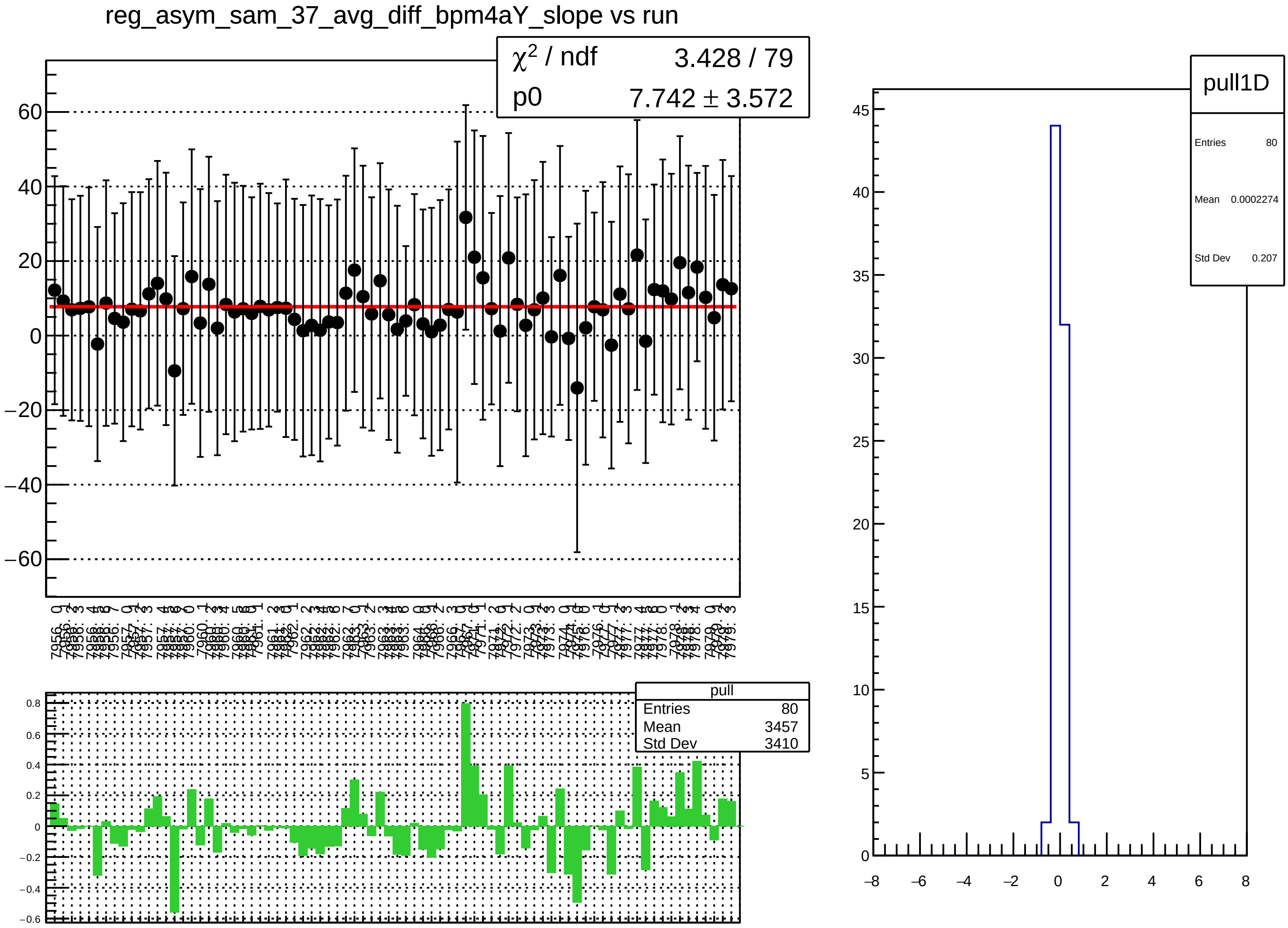
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run



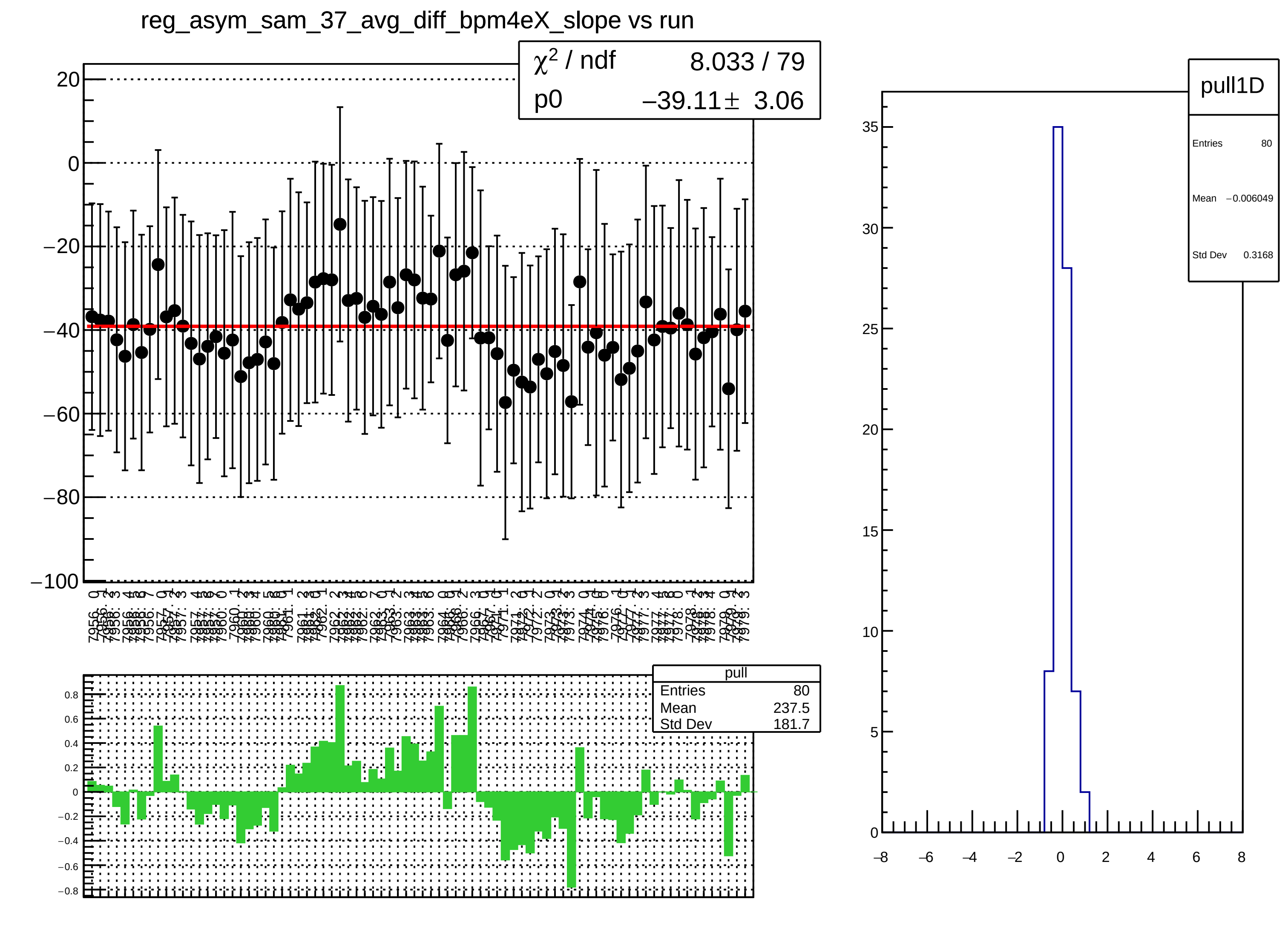


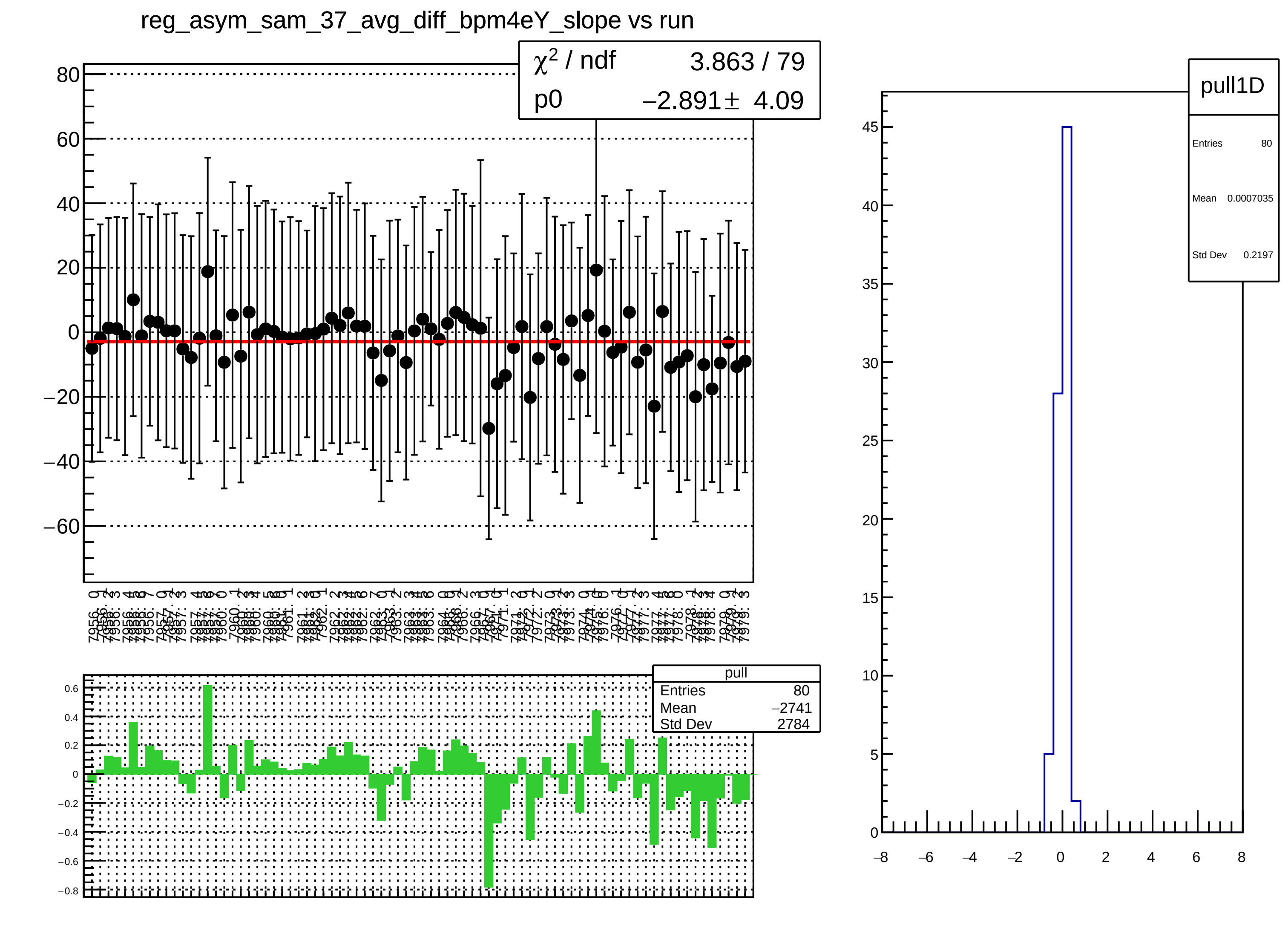
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ2 / ndf 10.02 / 79
p0 0.5295 ± 0.03096
pull
Entries 80
Mean −168.4
Std Dev 203.3
pull1D
Entries 80
Mean 0.02847
Std Dev 0.3527


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

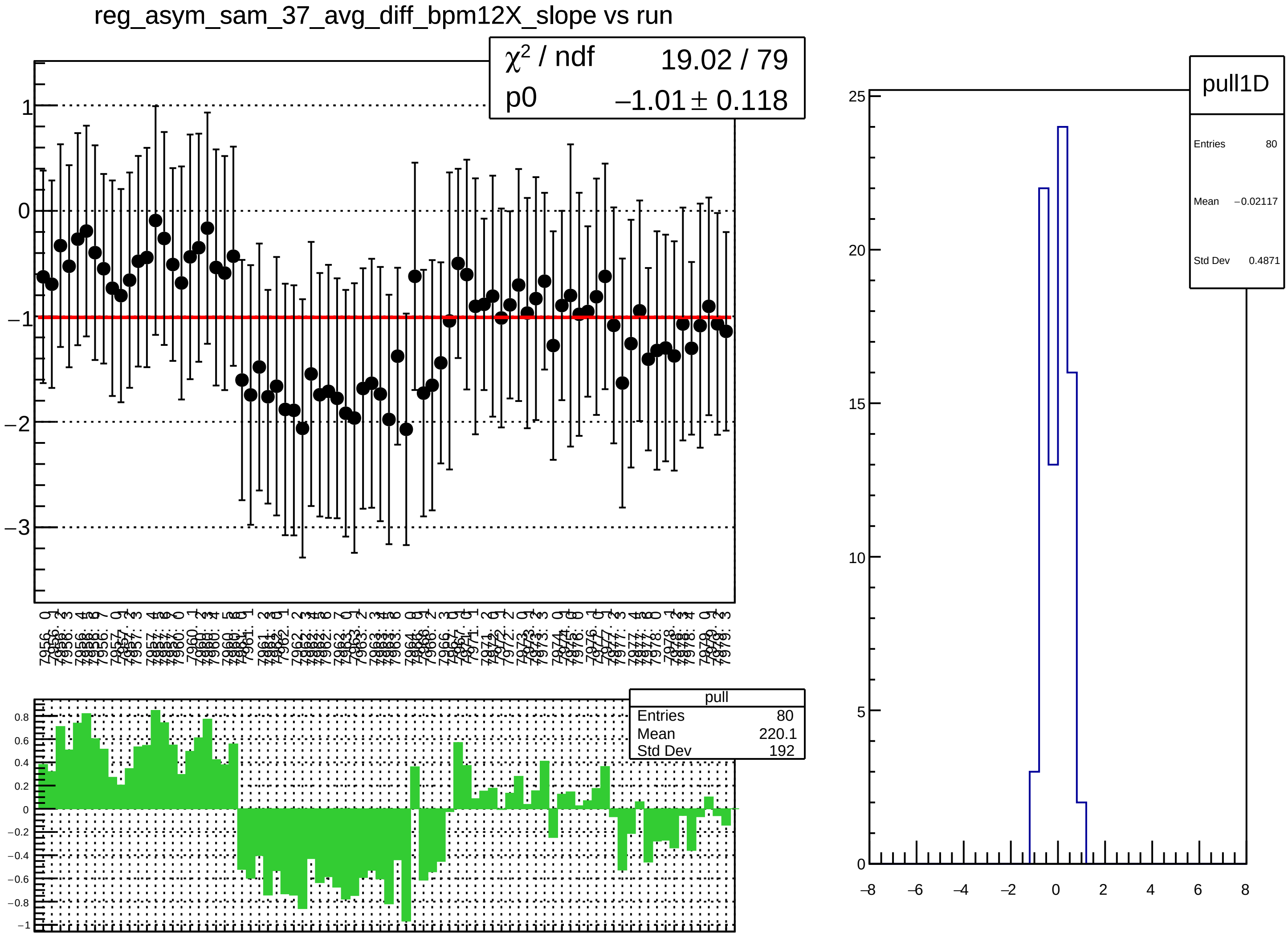


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.428 / 79
p0 7.742 ± 3.572
pull
Entries 80
Mean 3457
Std Dev 3410
pull1D
Entries 80
Mean 0.0002274
Std Dev 0.207


reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / 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

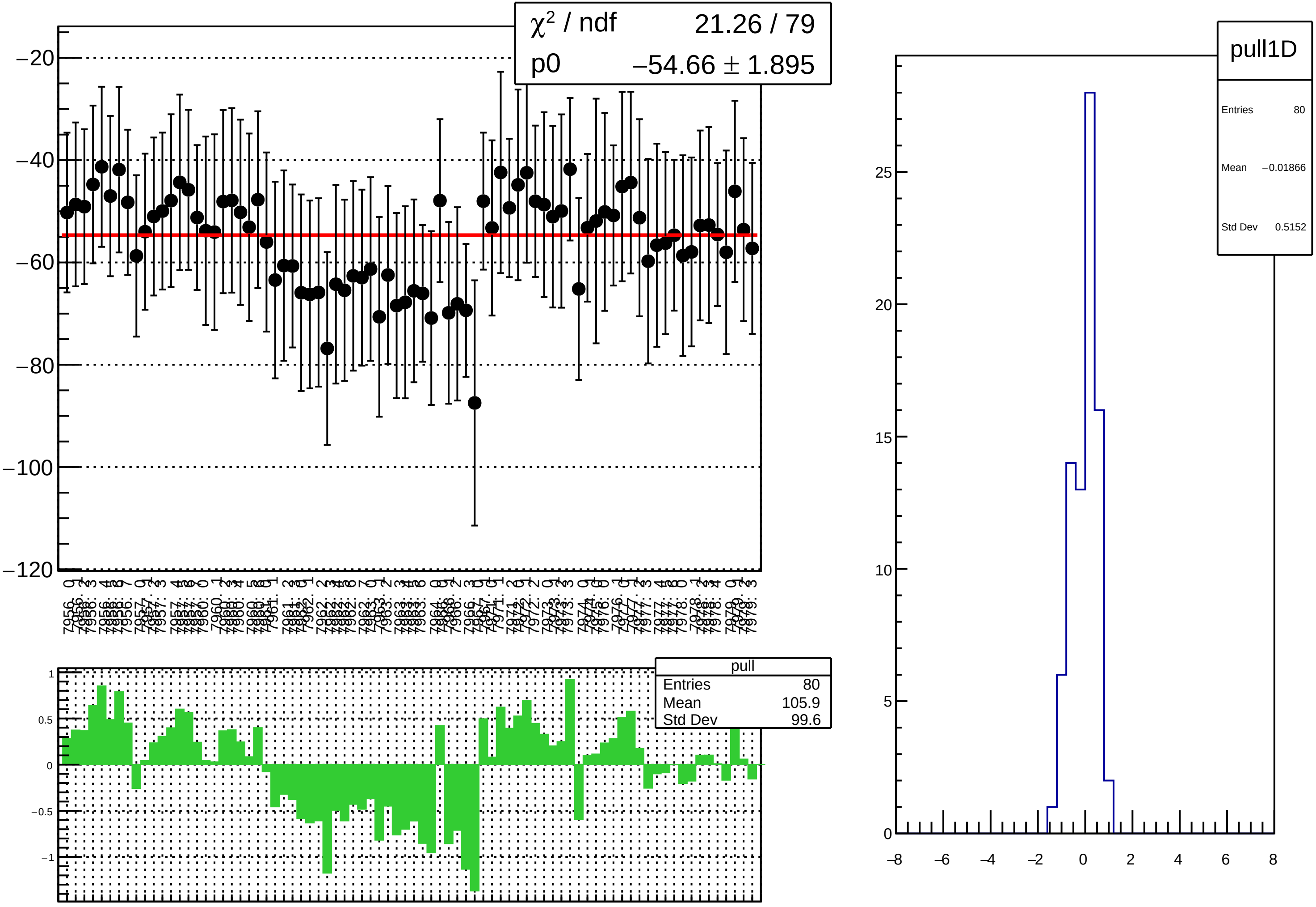


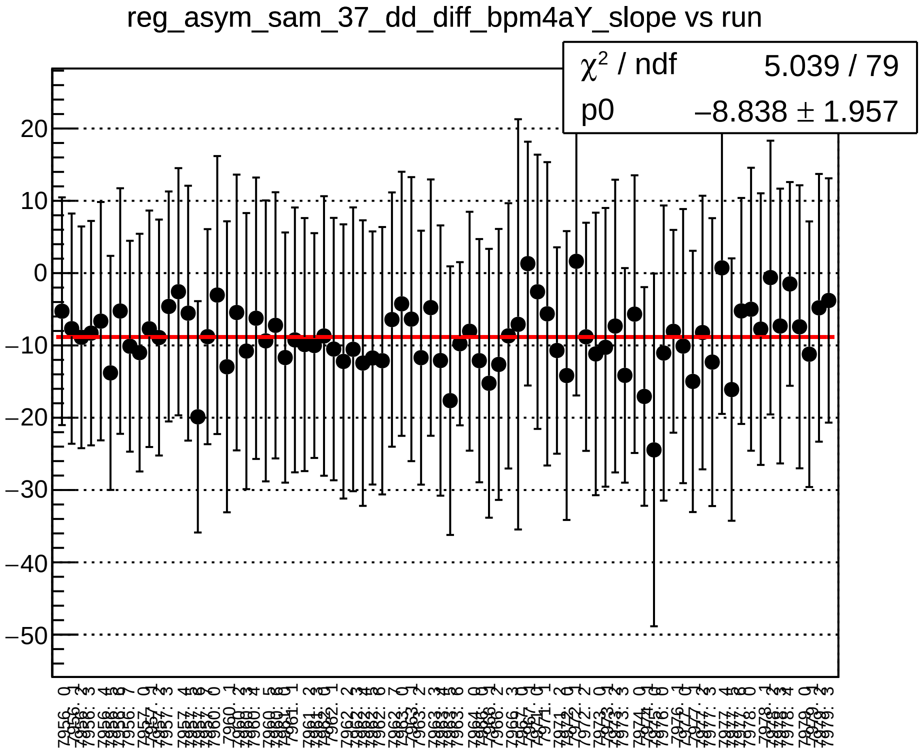
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.863 / 79
p0 −2.891 ± 4.09
pull
Entries 80
Mean −2741
Std Dev 2784
pull1D
Entries 80
Mean 0.0007035
Std Dev 0.2197



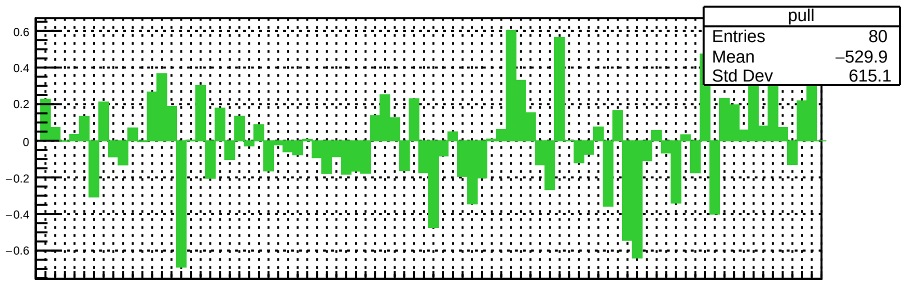
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ2 / ndf 19.02 / 79
p0 −1.01 ± 0.118
pull
Entries 80
Mean 220.1
Std Dev 192
pull1D
Entries 80
Mean −0.02117
Std Dev 0.4871

reg_asym_sam_37_dd_diff_bpm1X_slope vs run

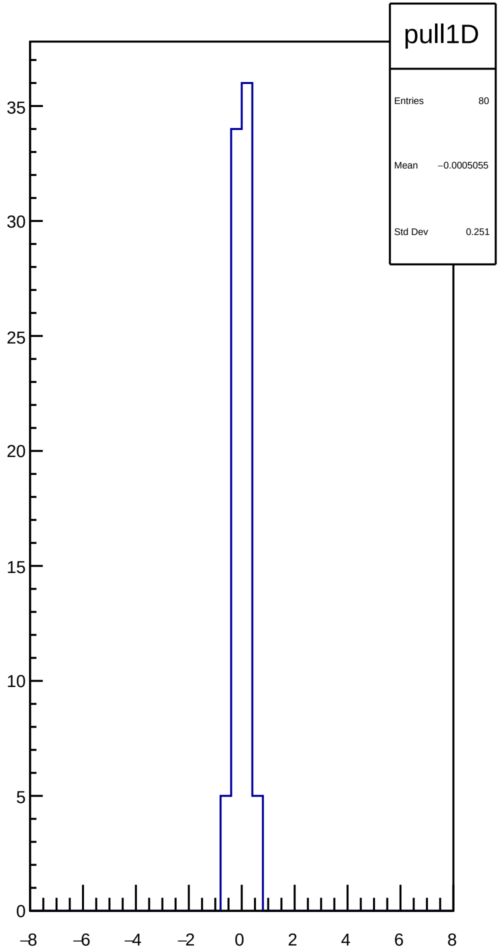




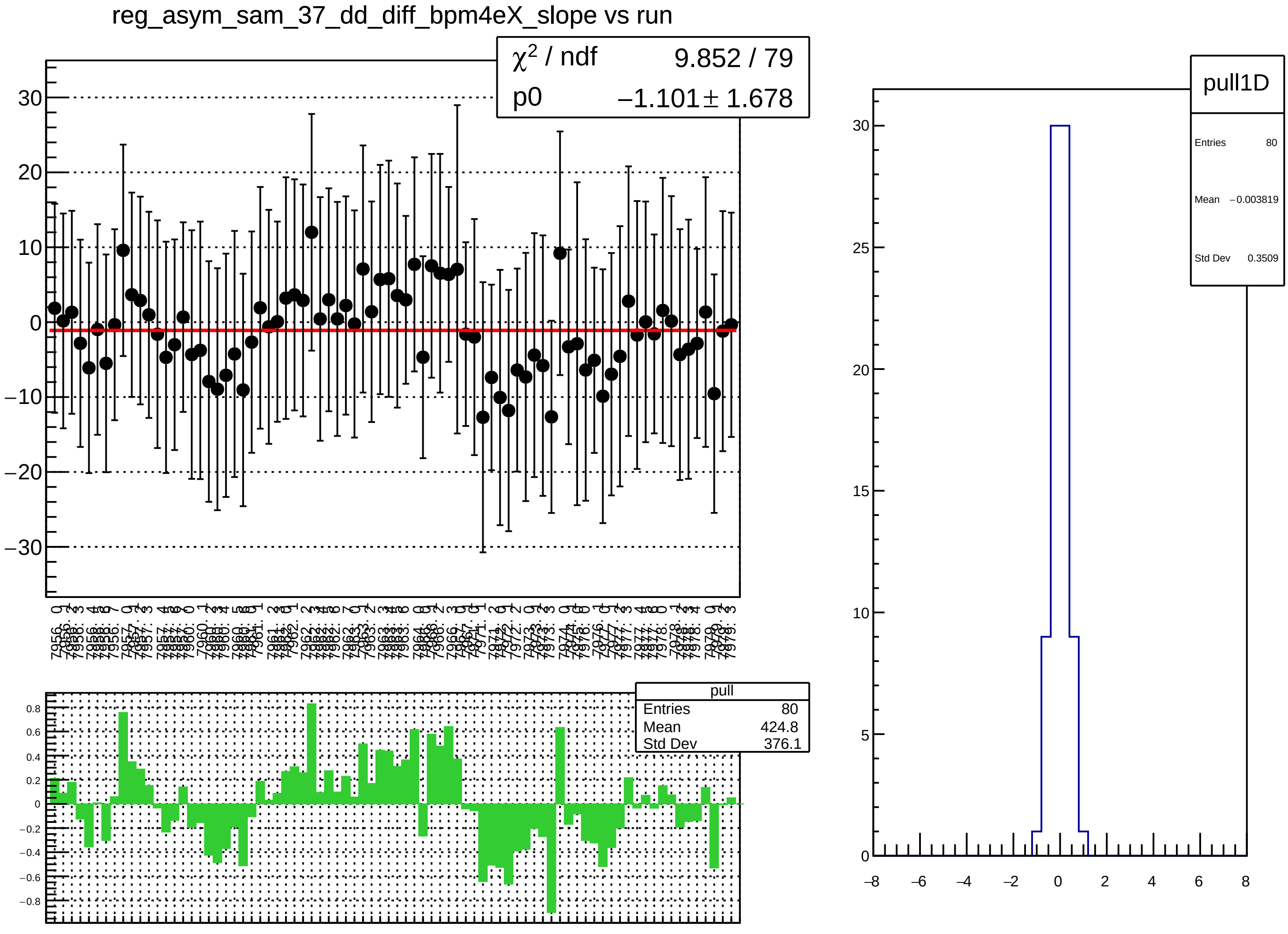
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.039 / 79
p0 −8.838 ± 1.957
20
10
0
−10
−20
−30
−40
−50



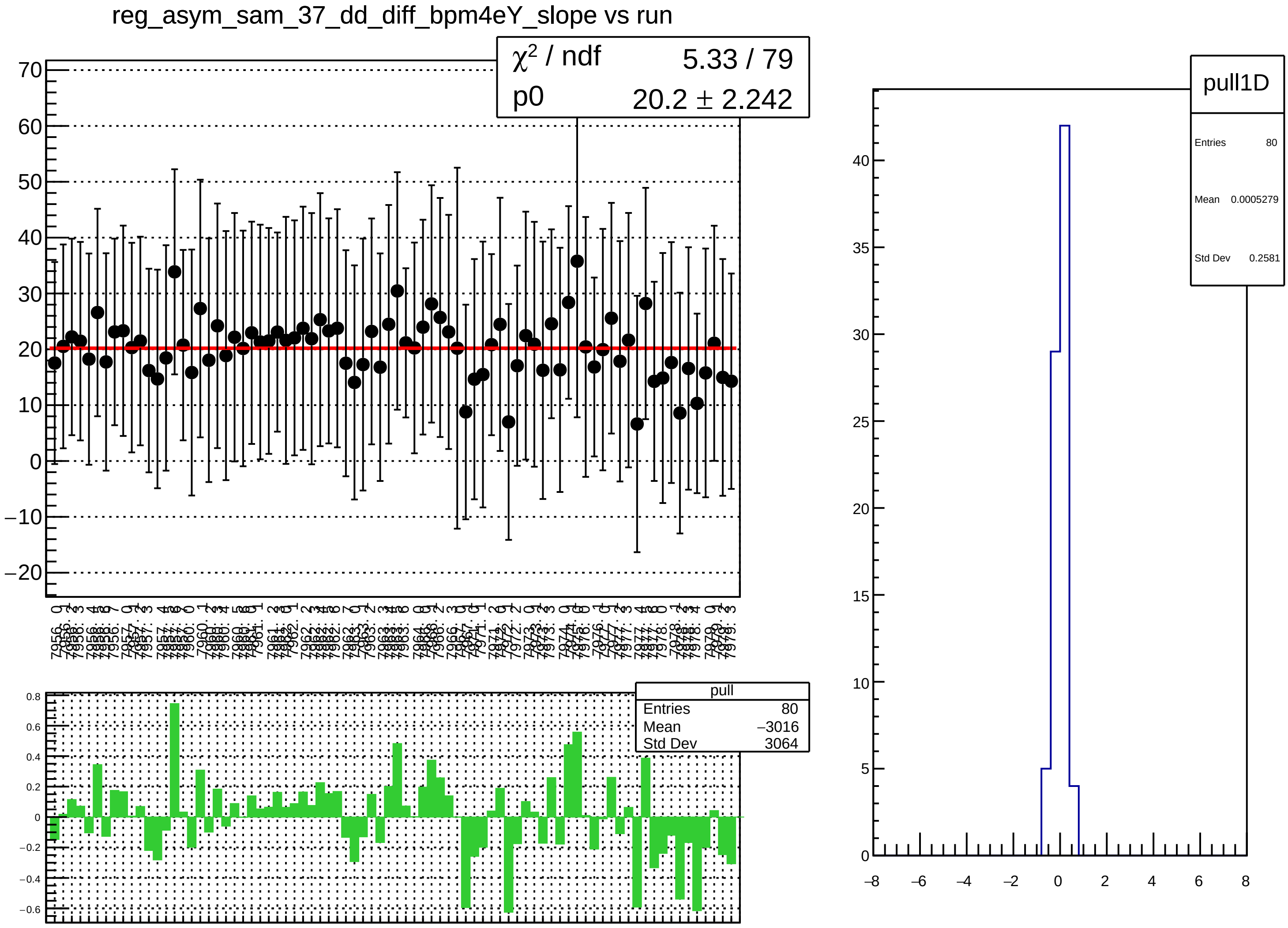
pull
Entries 80
Mean −529.9
Std Dev 615.1



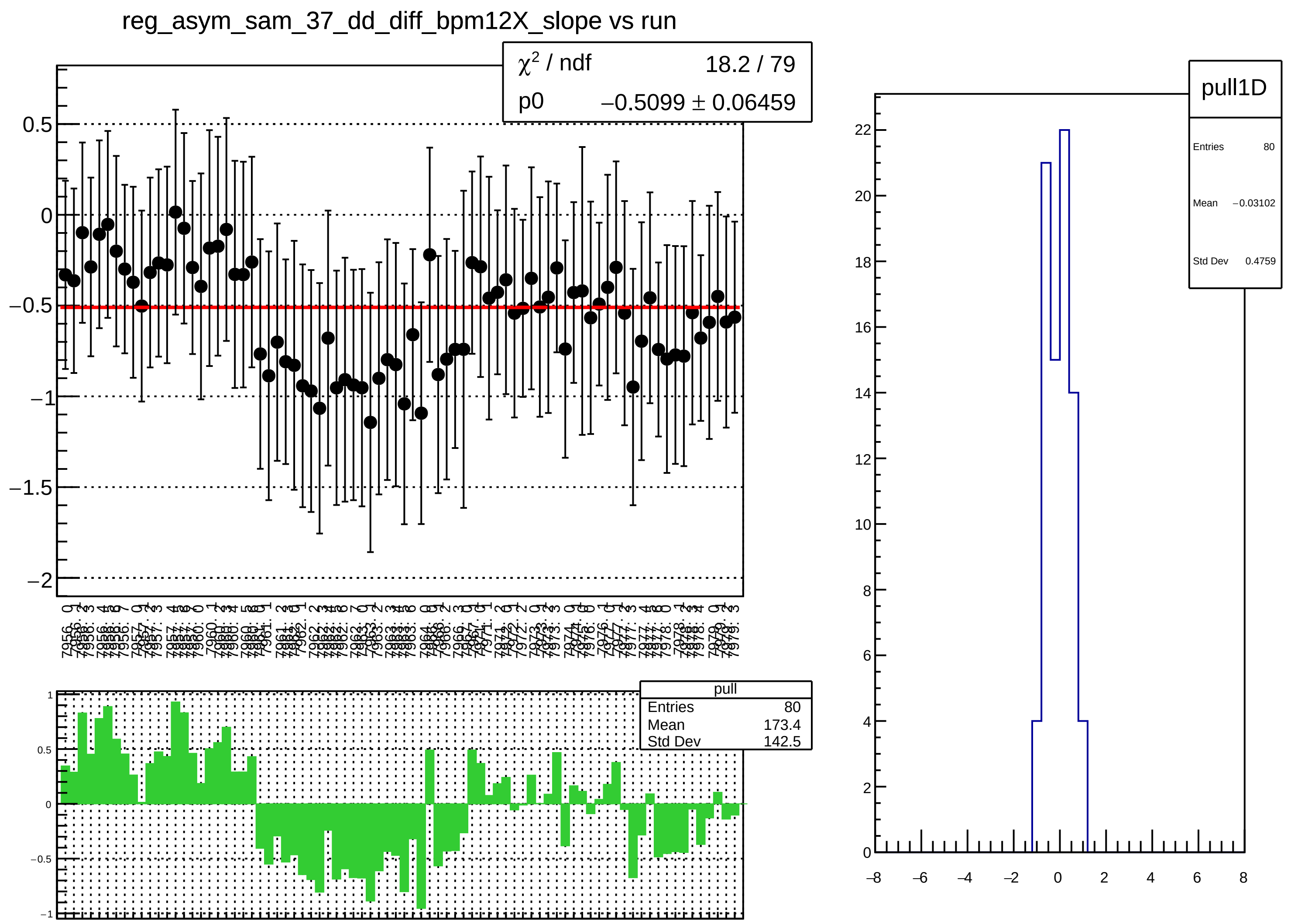
pull1D
Entries 80
Mean −0.0005055
Std Dev 0.251



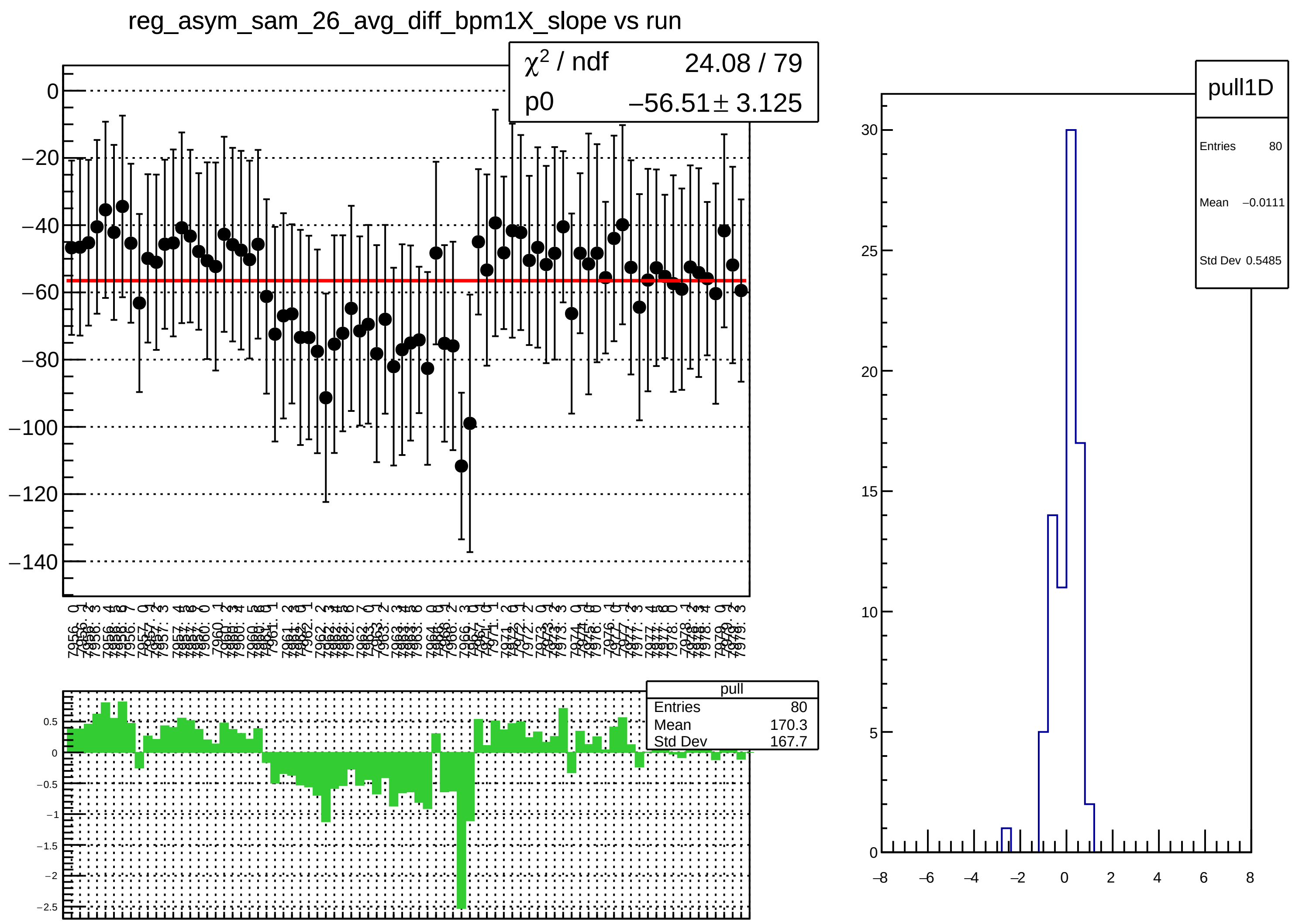
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.852 / 79
p0 −1.101 ± 1.678
pull
Entries 80
Mean 424.8
Std Dev 376.1
pull1D
Entries 80
Mean −0.003819
Std Dev 0.3509



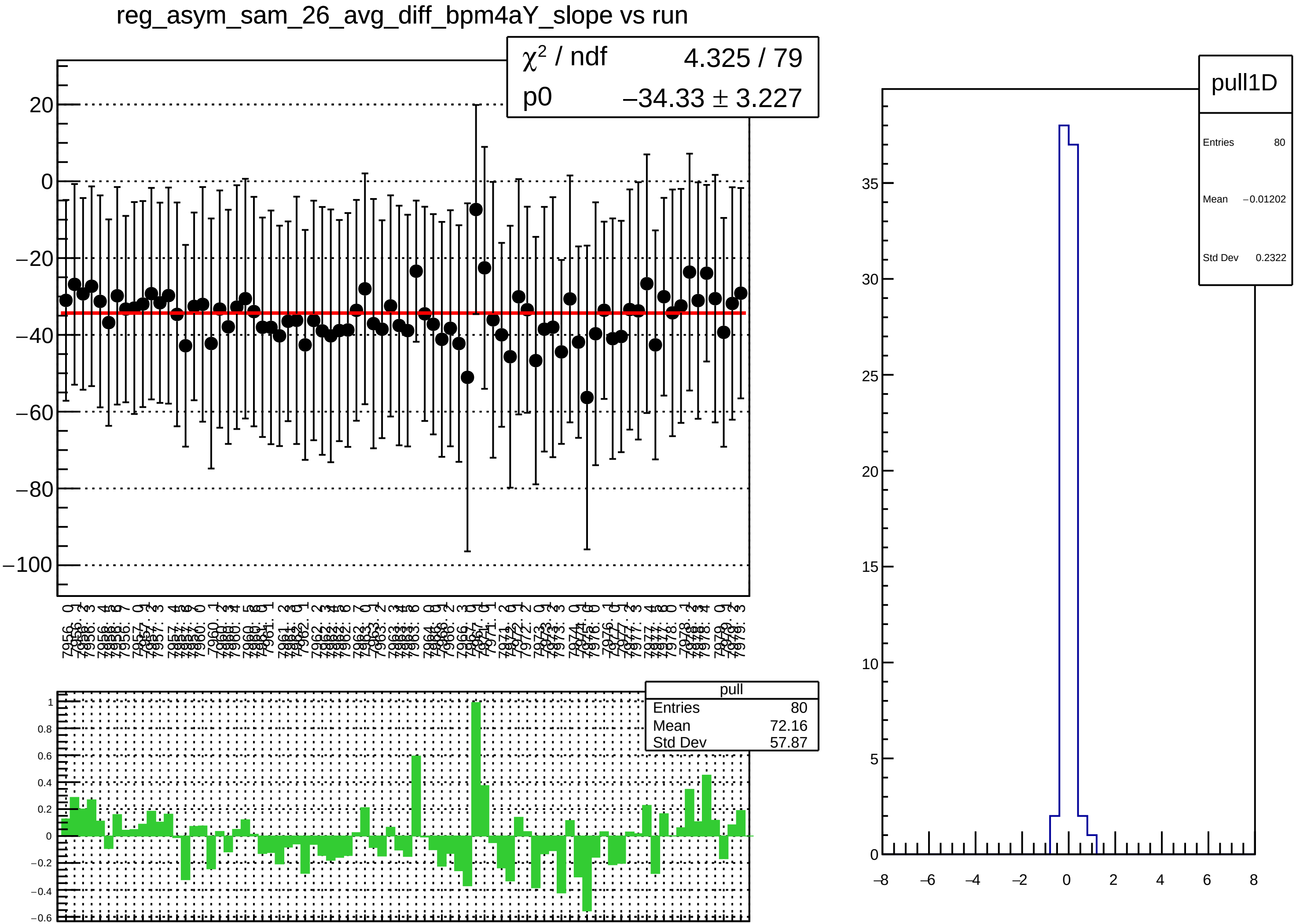
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.33 / 79
p0 20.2 ± 2.242
pull
Entries 80
Mean −3016
Std Dev 3064
pull1D
Entries 80
Mean 0.0005279
Std Dev 0.2581



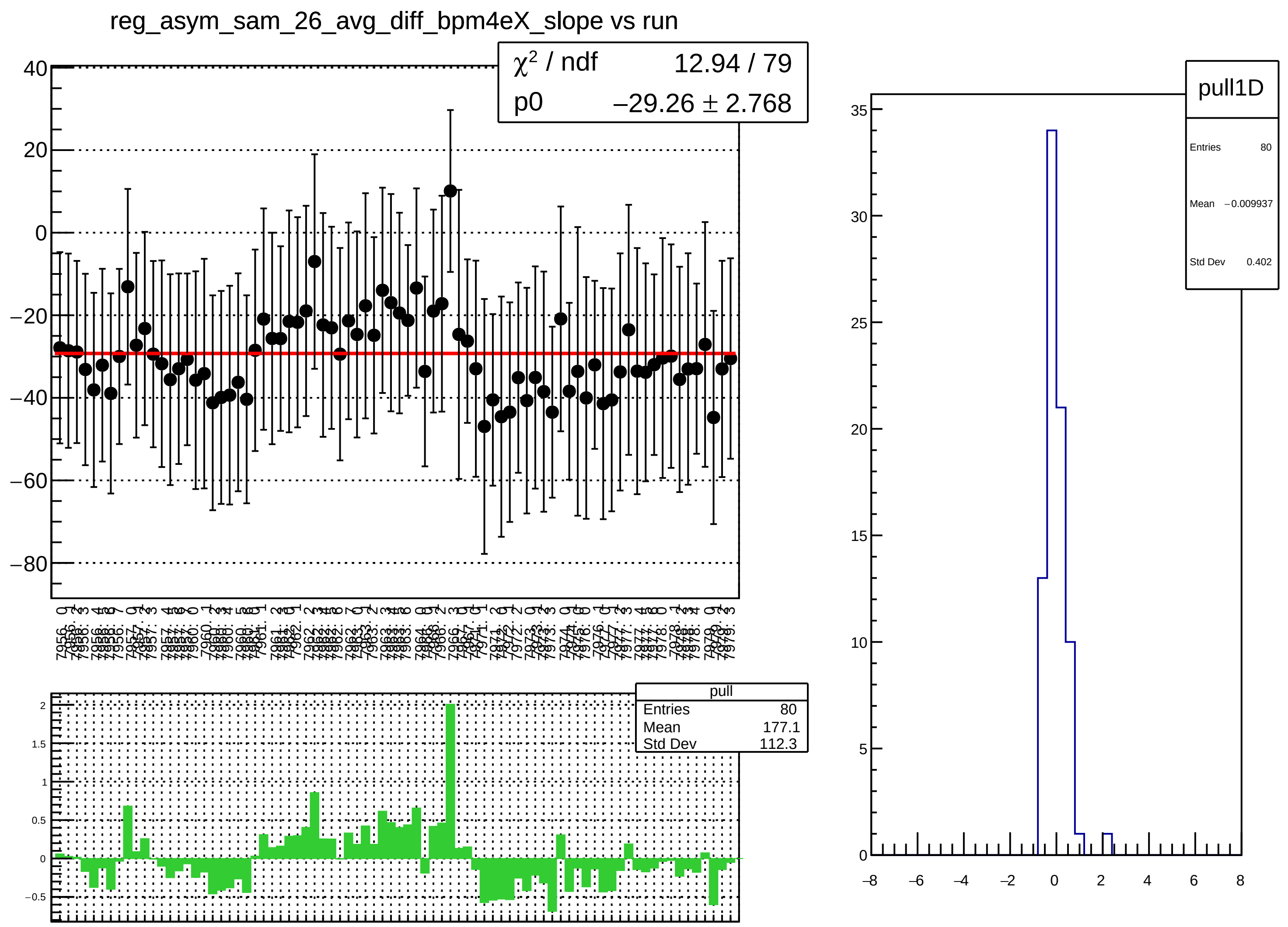
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.2 / 79
p0 −0.5099 ± 0.06459
pull
Entries 80
Mean 173.4
Std Dev 142.5
pull1D
Entries 80
Mean −0.03102
Std Dev 0.4759



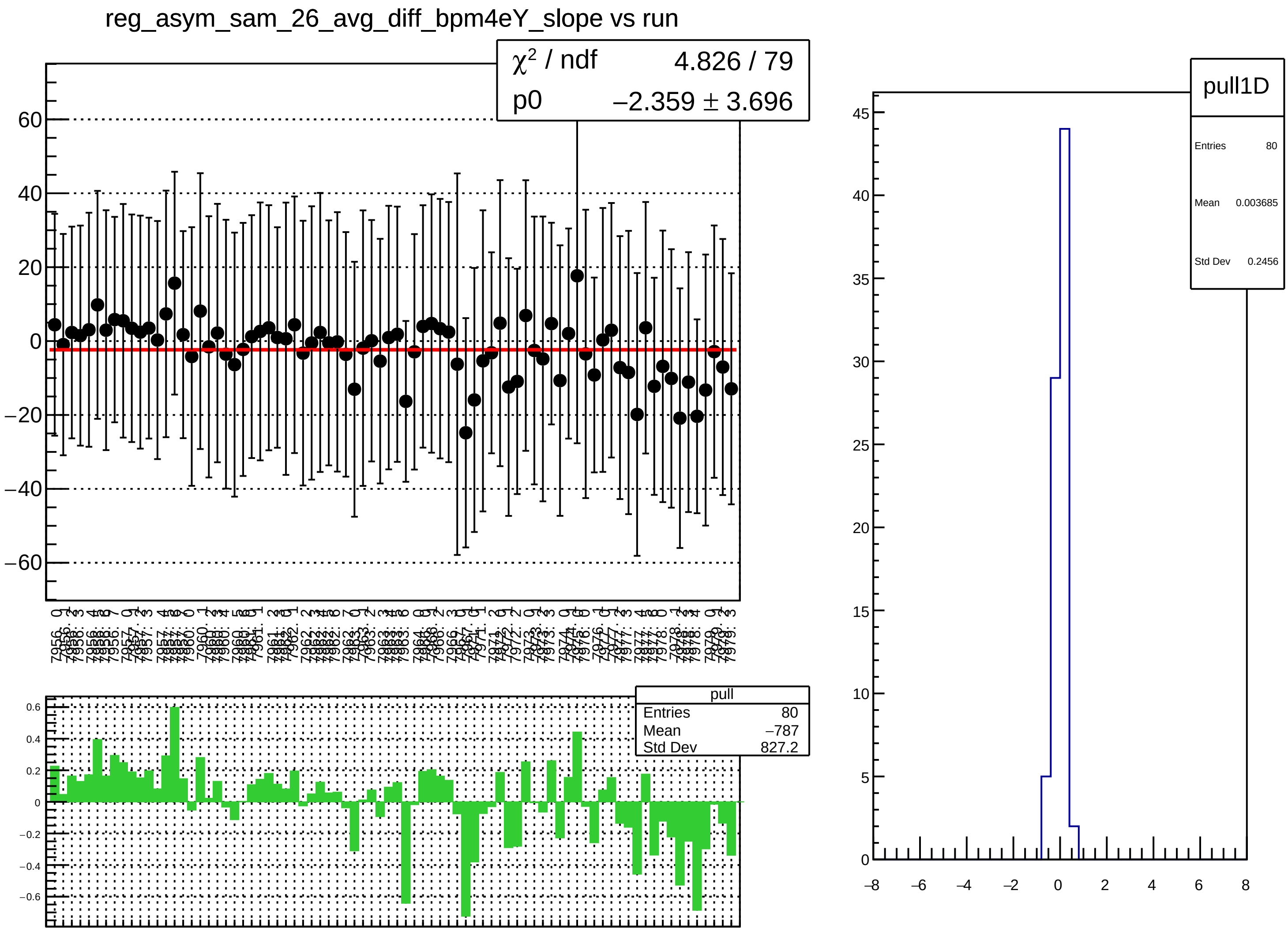
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.08 / 79
p0 −56.51 ± 3.125
pull
Entries 80
Mean 170.3
Std Dev 167.7
pull1D
Entries 80
Mean −0.0111
Std Dev 0.5485



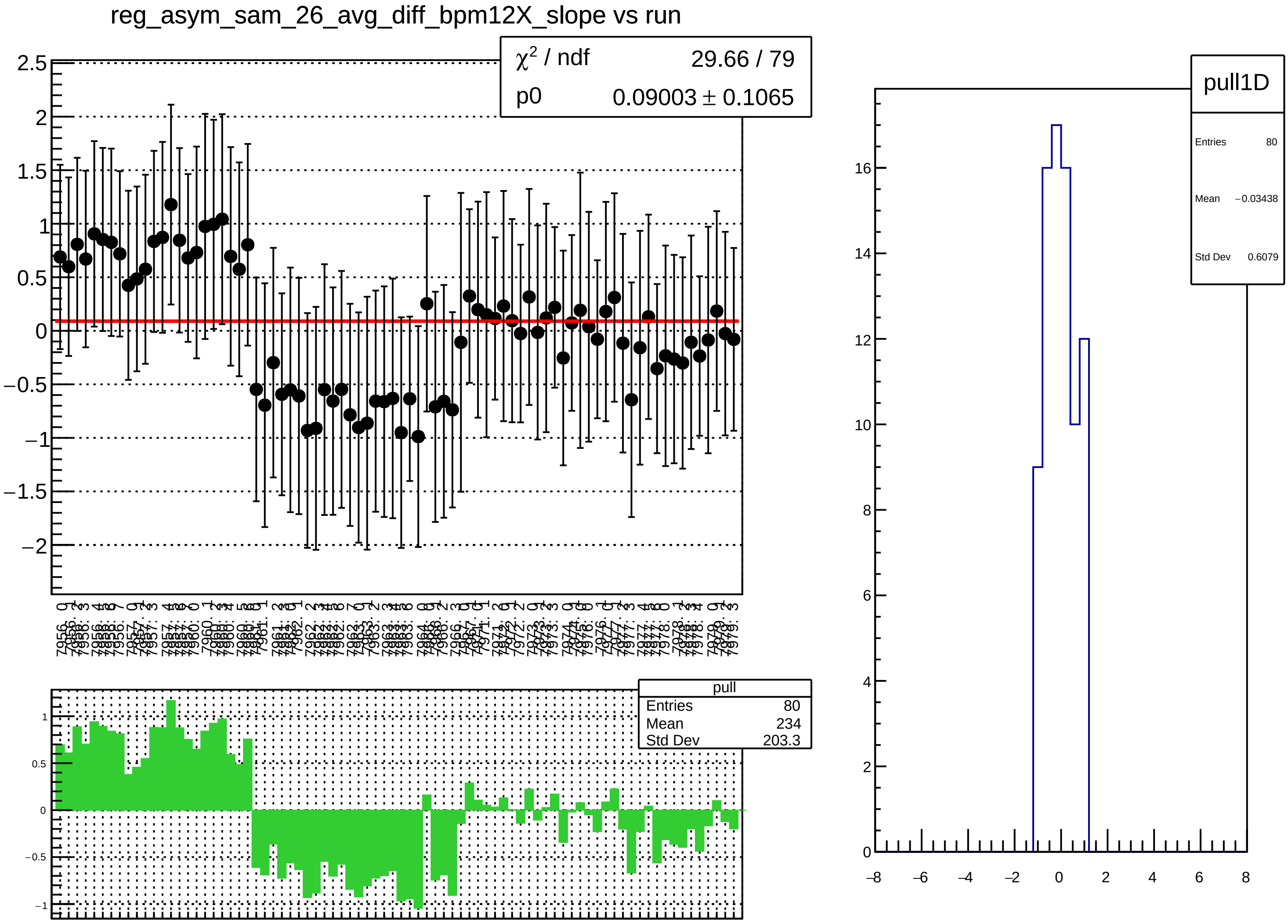
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 4.325 / 79
p0 −34.33 ± 3.227
pull
Entries 80
Mean 72.16
Std Dev 57.87
pull1D
Entries 80
Mean −0.01202
Std Dev 0.2322



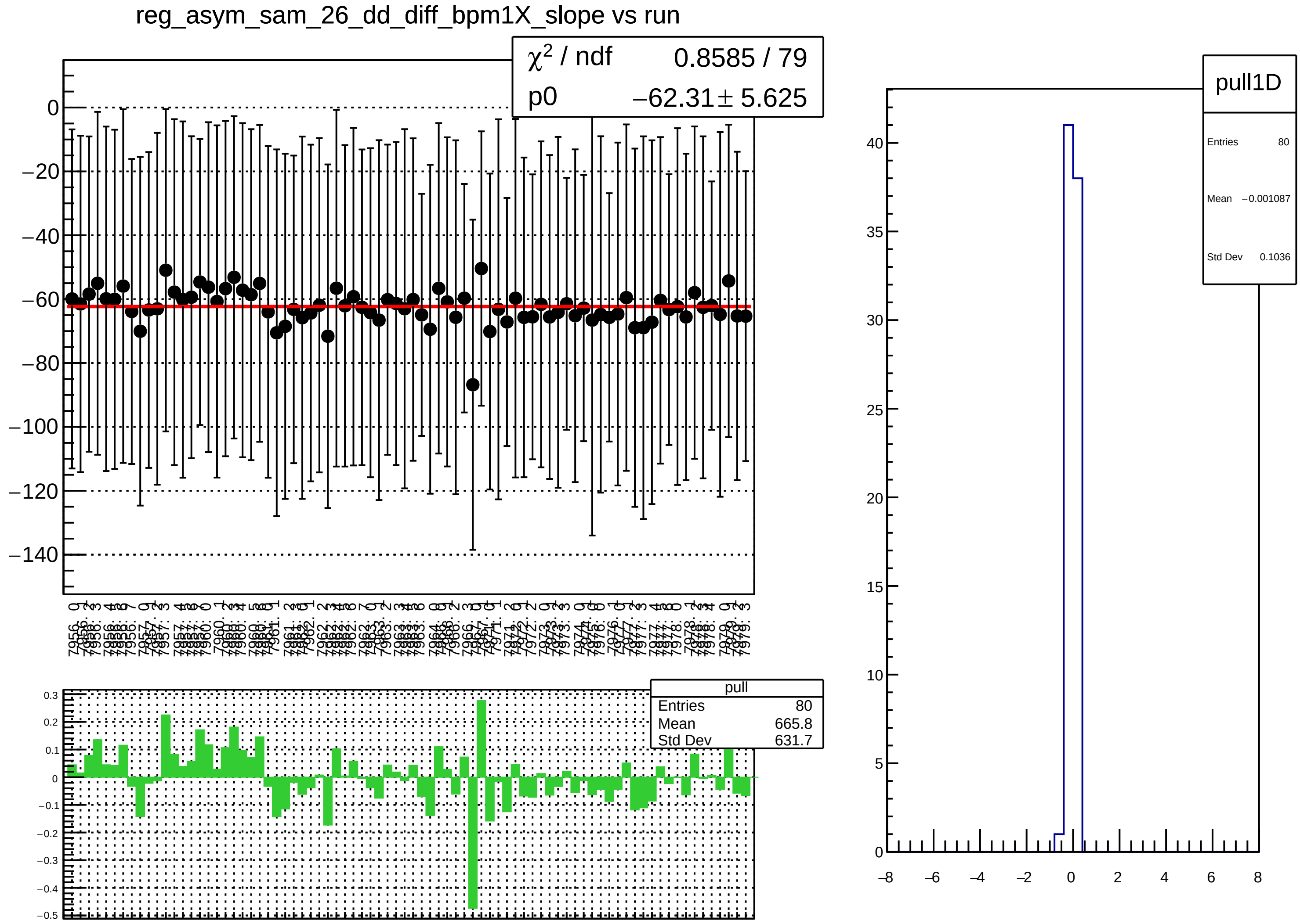
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ2 / ndf 12.94 / 79
p0 −29.26 ± 2.768
pull
Entries 80
Mean 177.1
Std Dev 112.3
pull1D
Entries 80
Mean −0.009937
Std Dev 0.402



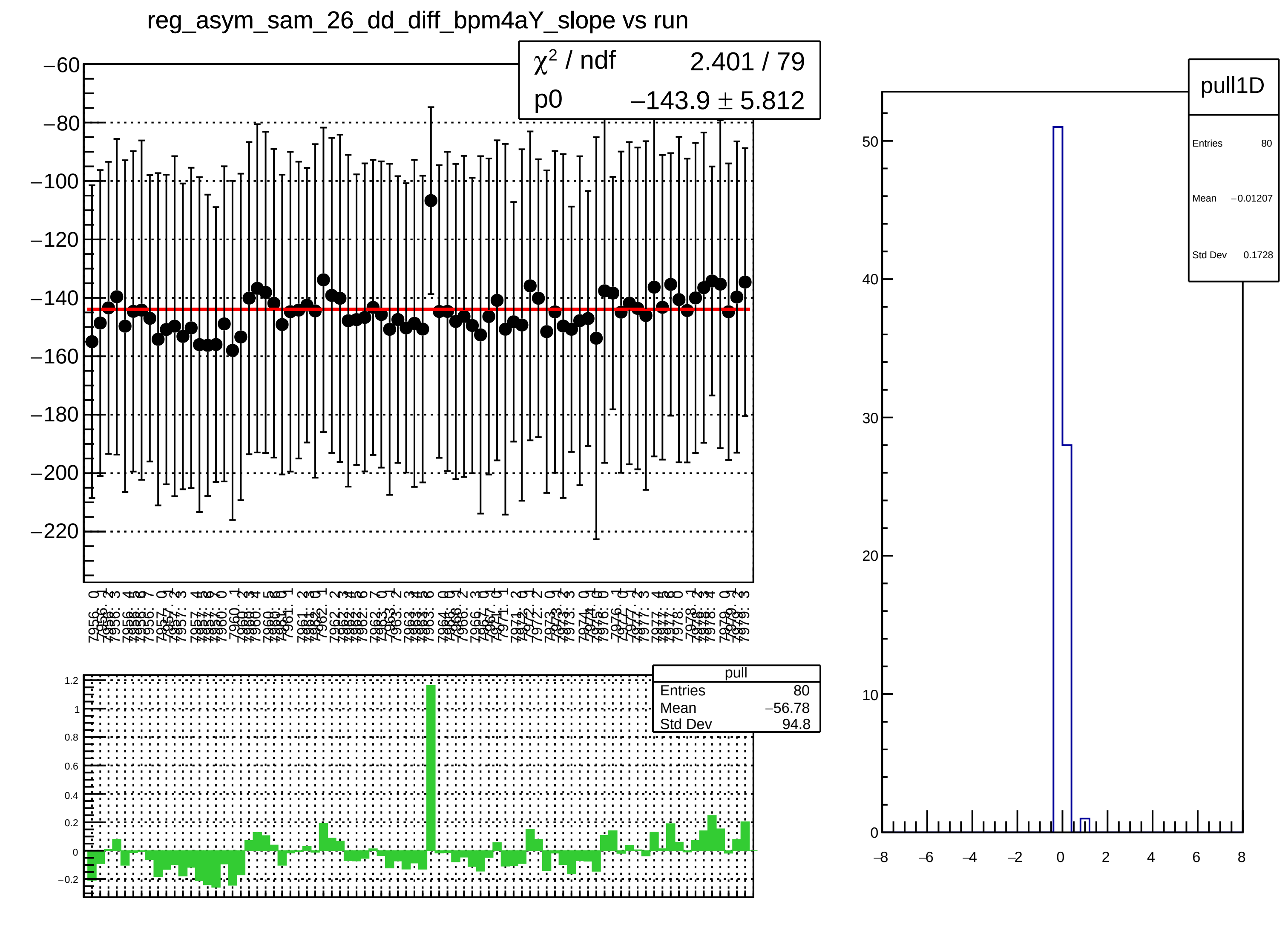
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.826 / 79
p0 −2.359 ± 3.696
pull
Entries 80
Mean −787
Std Dev 827.2
pull1D
Entries 80
Mean 0.003685
Std Dev 0.2456



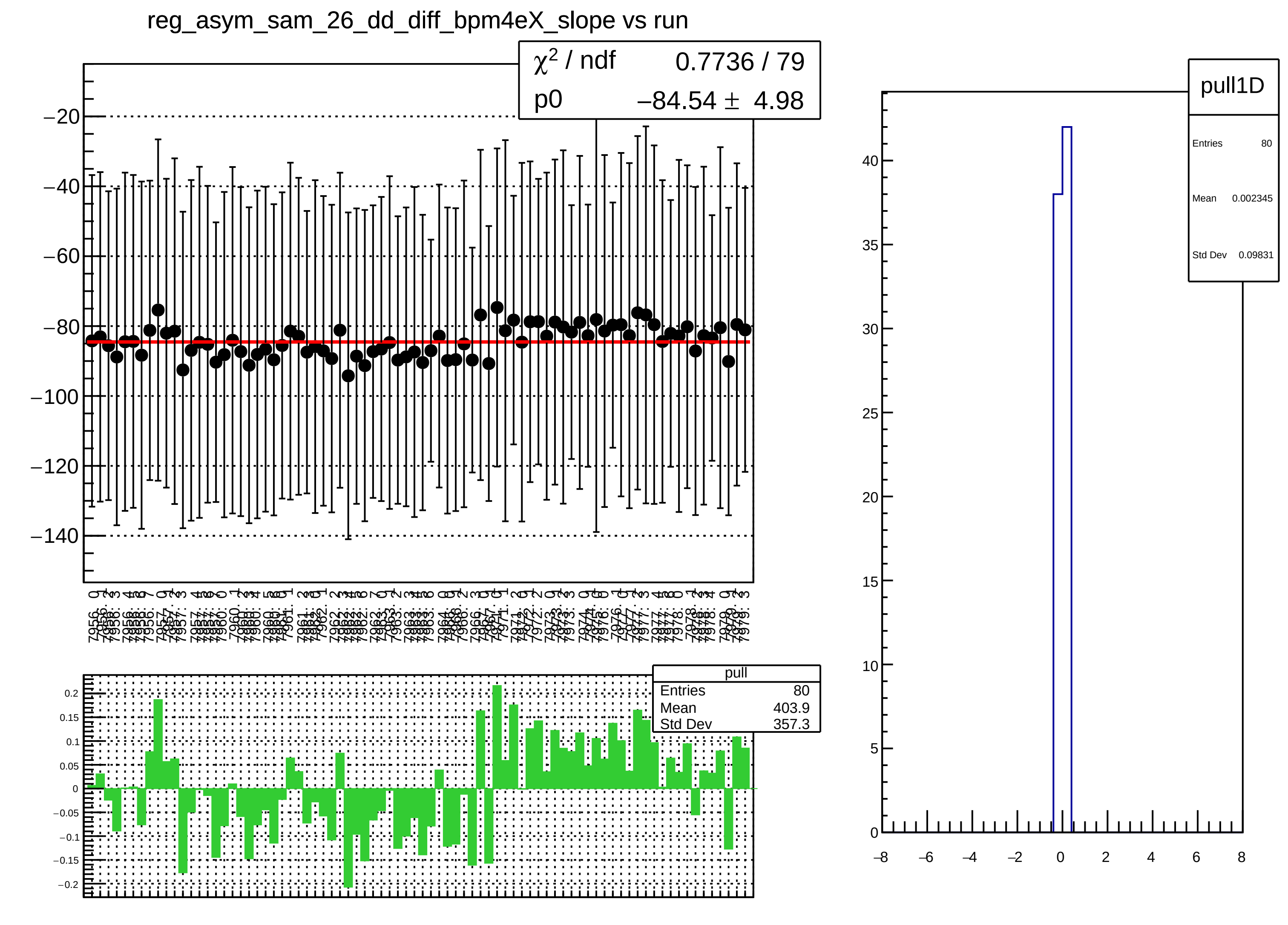
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.66 / 79
p0 0.09003 ± 0.1065
pull
Entries 80
Mean 234
Std Dev 203.3
pull1D
Entries 80
Mean −0.03438
Std Dev 0.6079



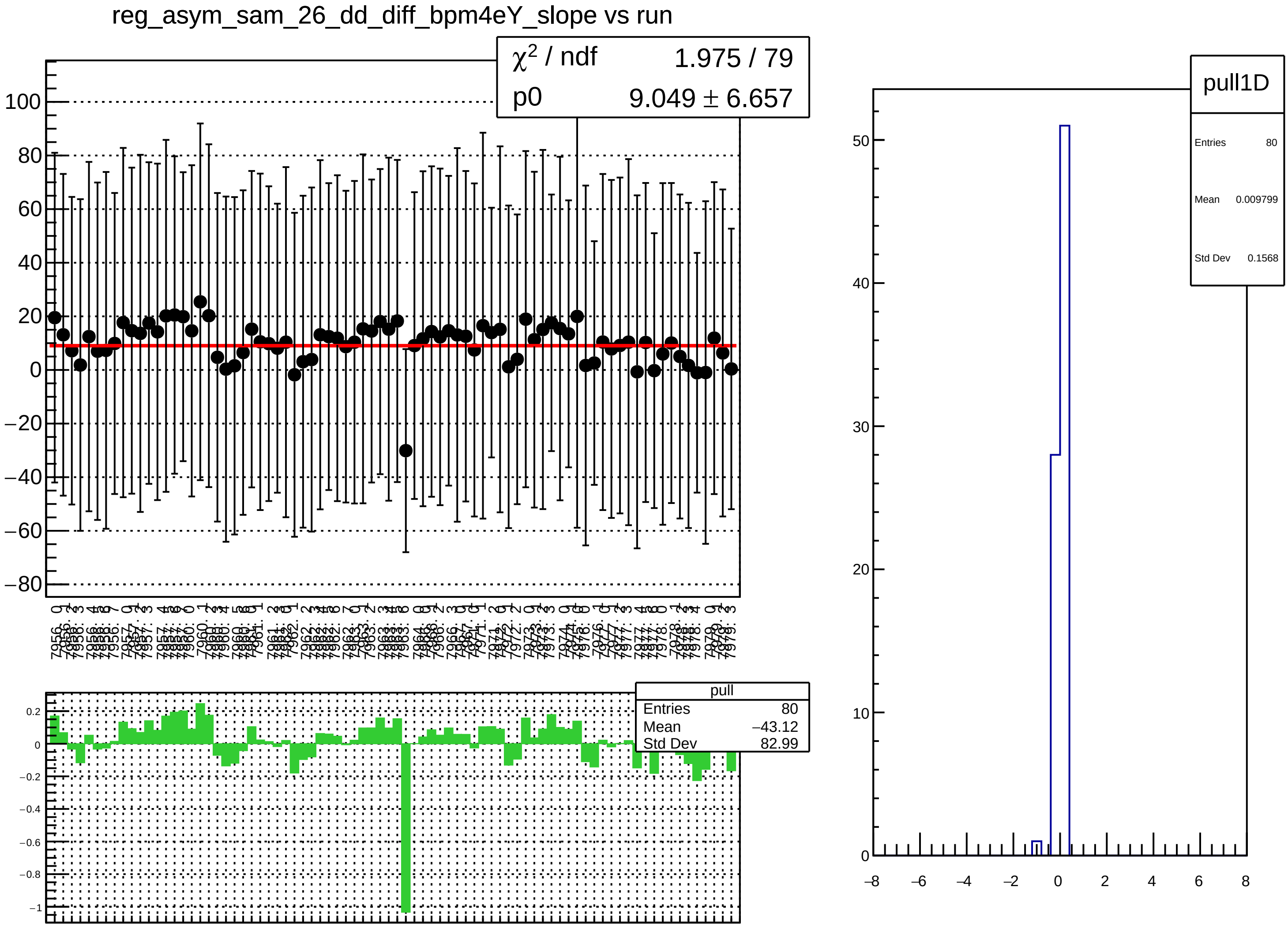
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 0.8585 / 79
p0 −62.31 ± 5.625
pull
Entries 80
Mean 665.8
Std Dev 631.7
pull1D
Entries 80
Mean −0.001087
Std Dev 0.1036

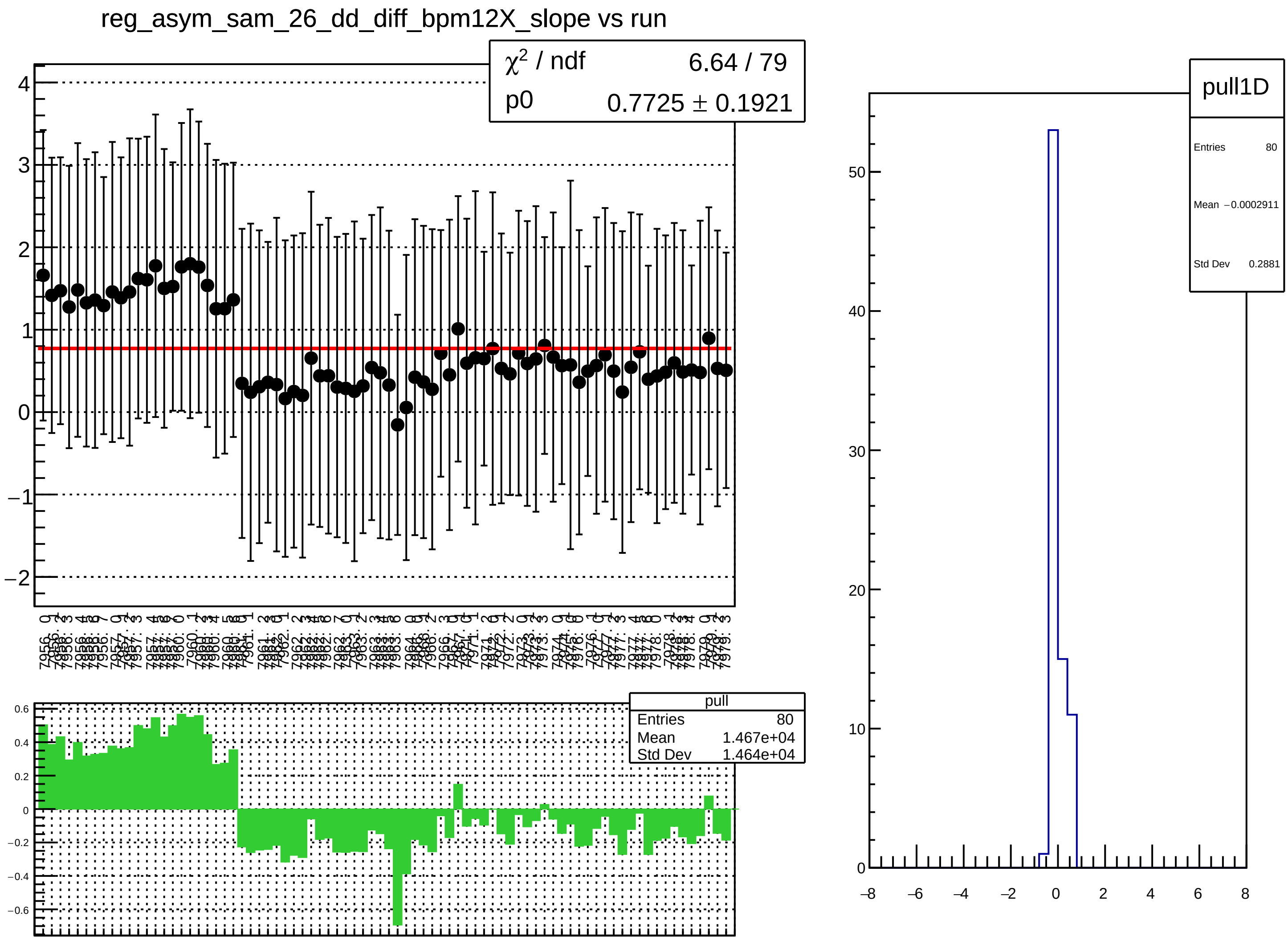


reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.401 / 79
p0 −143.9 ± 5.812
pull
Entries 80
Mean −56.78
Std Dev 94.8
pull1D
Entries 80
Mean −0.01207
Std Dev 0.1728

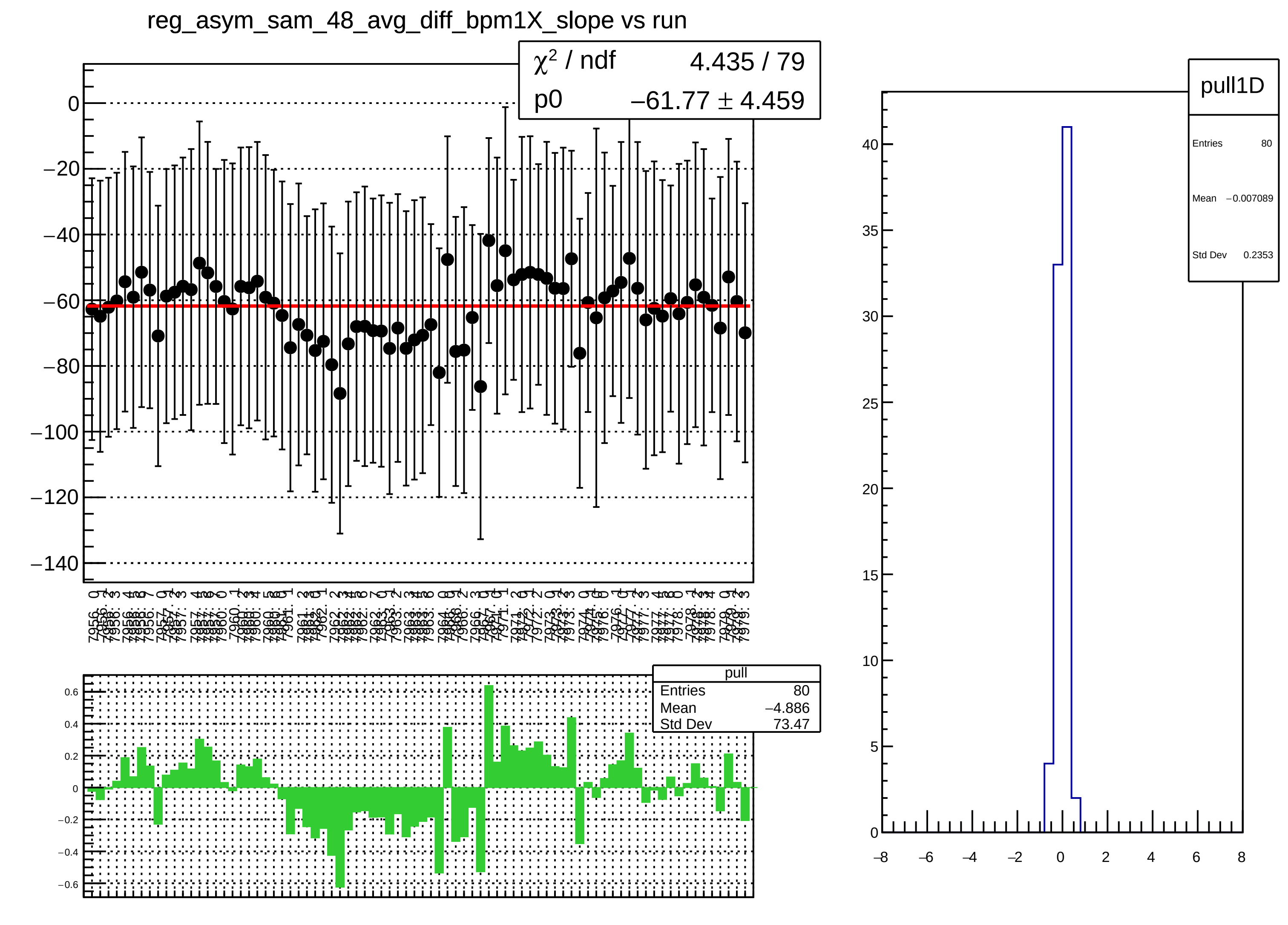


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.7736 / 79
p0 −84.54 ± 4.98
pull
Entries 80
Mean 403.9
Std Dev 357.3
pull1D
Entries 80
Mean 0.002345
Std Dev 0.09831

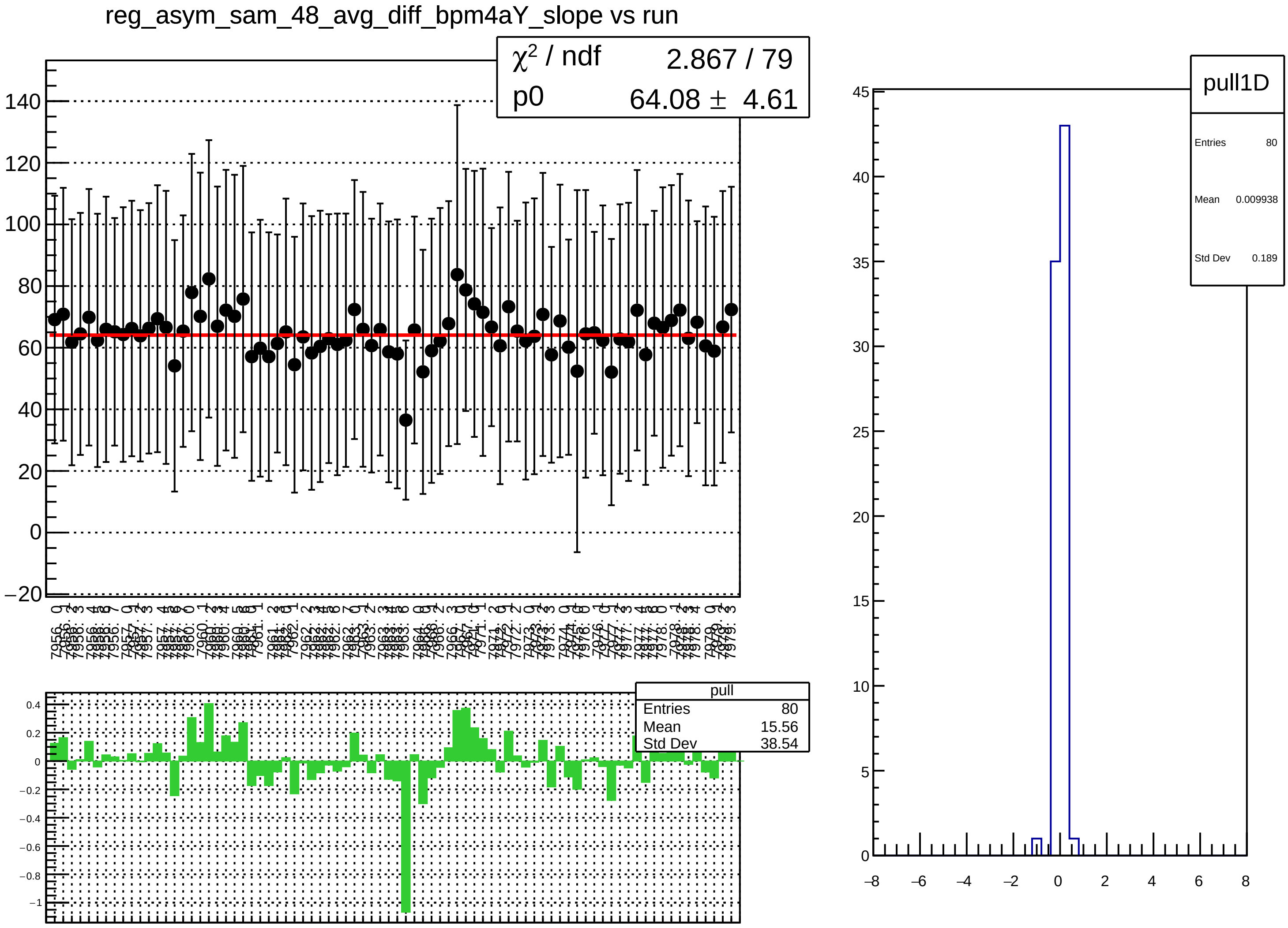

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.975 / 79
p0 9.049 ± 6.657
pull
Entries 80
Mean −43.12
Std Dev 82.99
pull1D
Entries 80
Mean 0.009799
Std Dev 0.1568



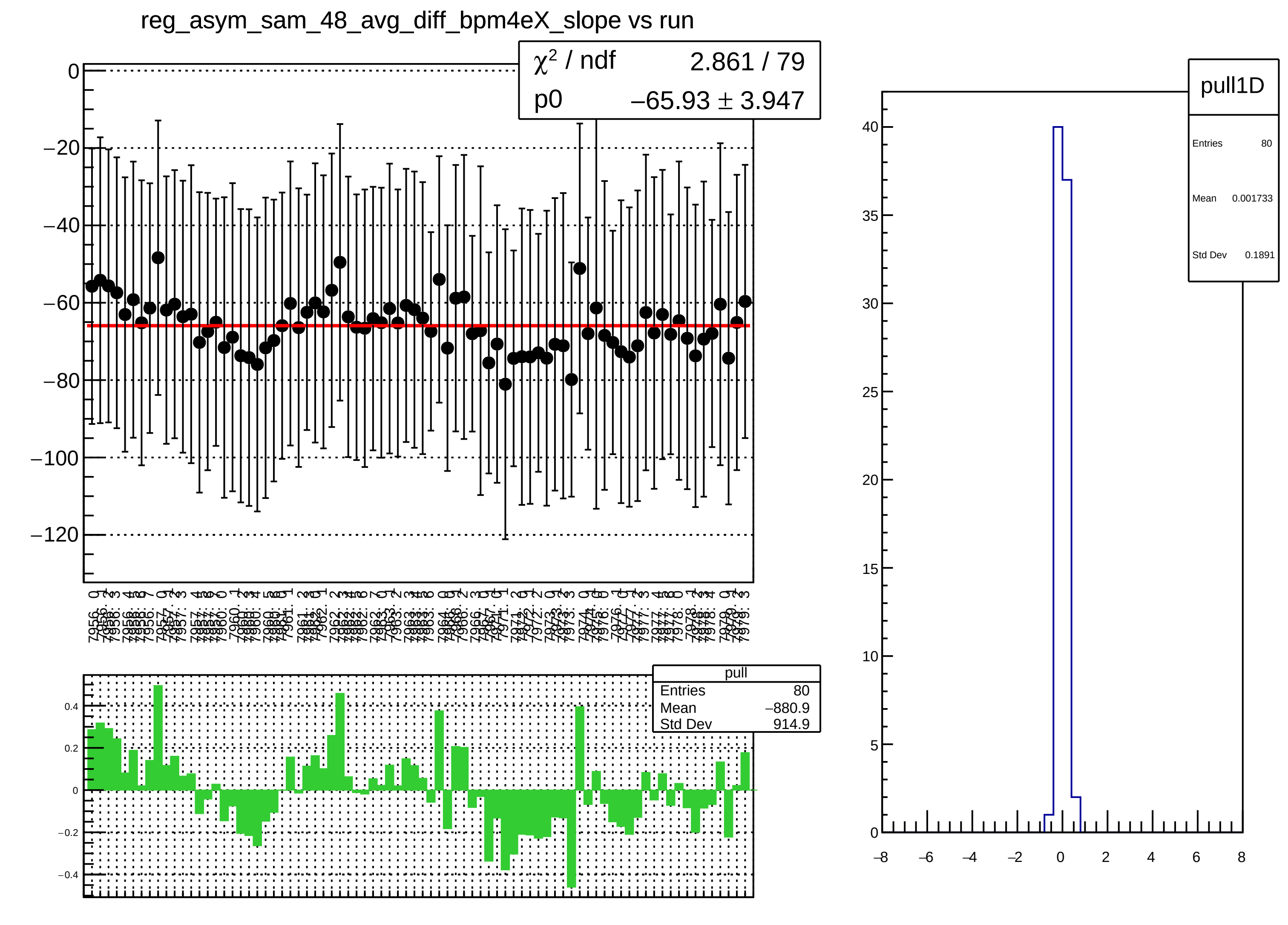
reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.64 / 79
p0 0.7725 ± 0.1921
pull
Entries 80
Mean 1.467e+04
Std Dev 1.464e+04
pull1D
Entries 80
Mean −0.0002911
Std Dev 0.2881



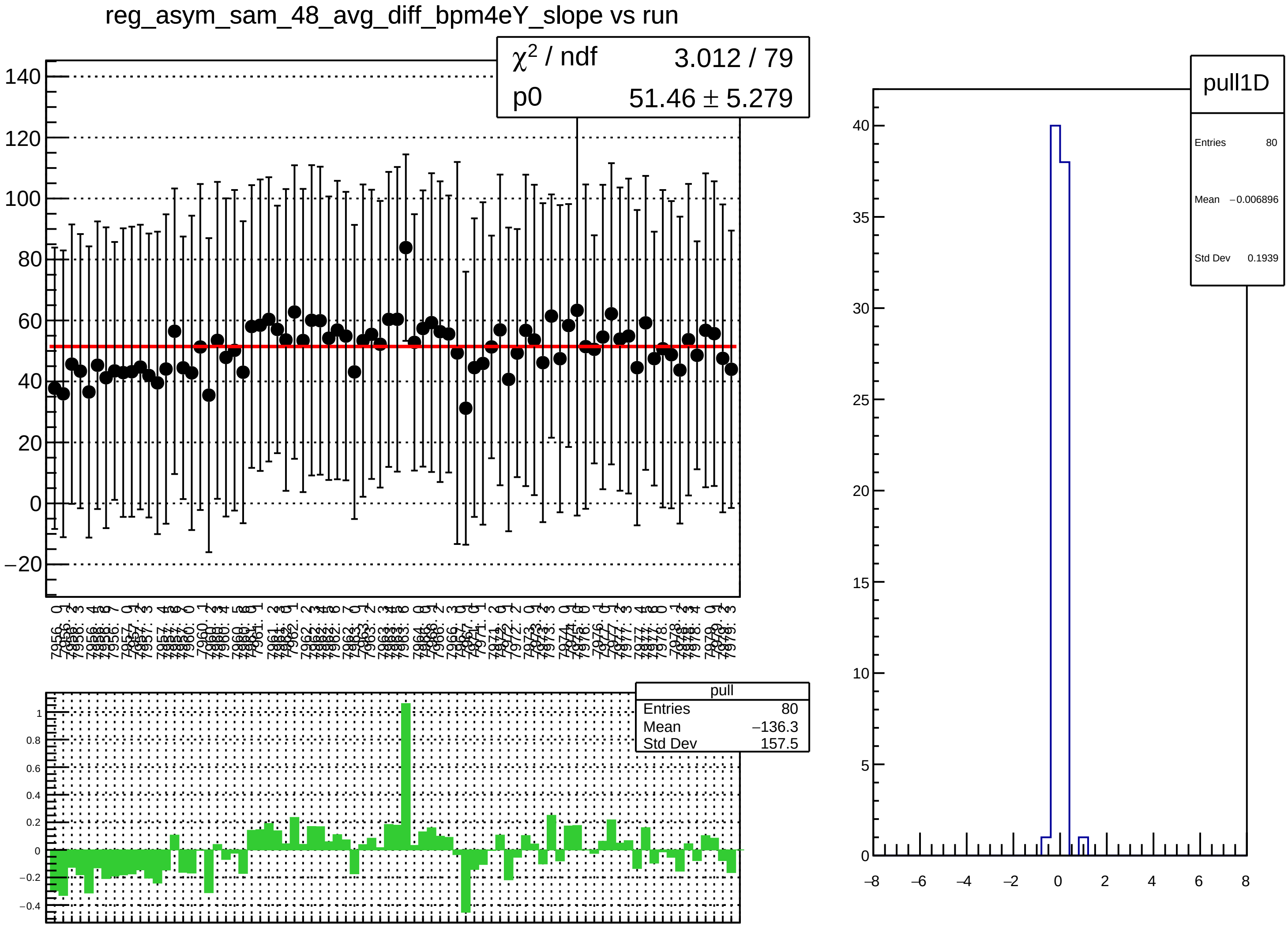
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.435 / 79
p0 −61.77 ± 4.459
pull
Entries 80
Mean −4.886
Std Dev 73.47
pull1D
Entries 80
Mean −0.007089
Std Dev 0.2353



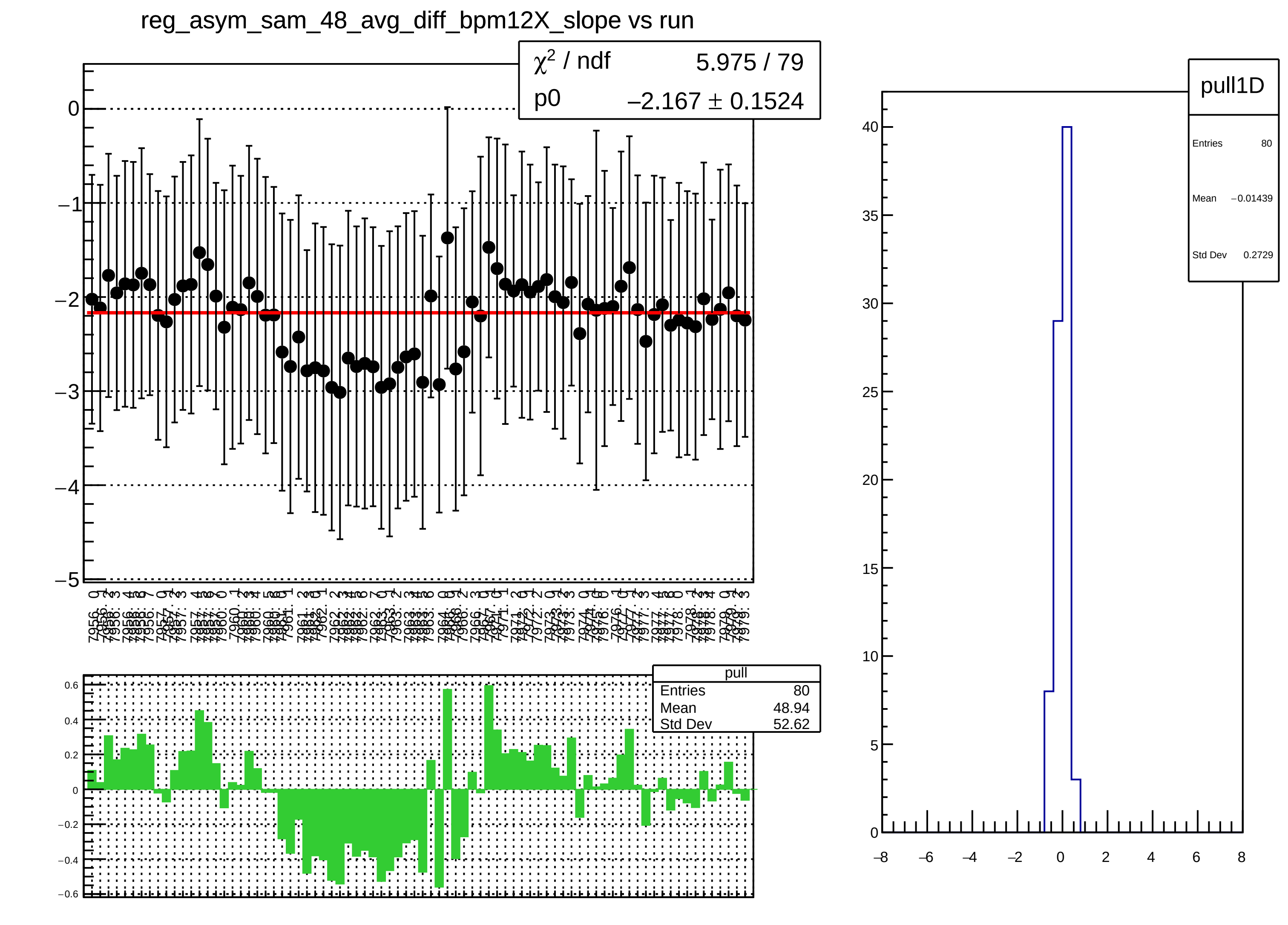
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.867 / 79
p0 64.08 ± 4.61
pull
Entries 80
Mean 15.56
Std Dev 38.54
pull1D
Entries 80
Mean 0.009938
Std Dev 0.189



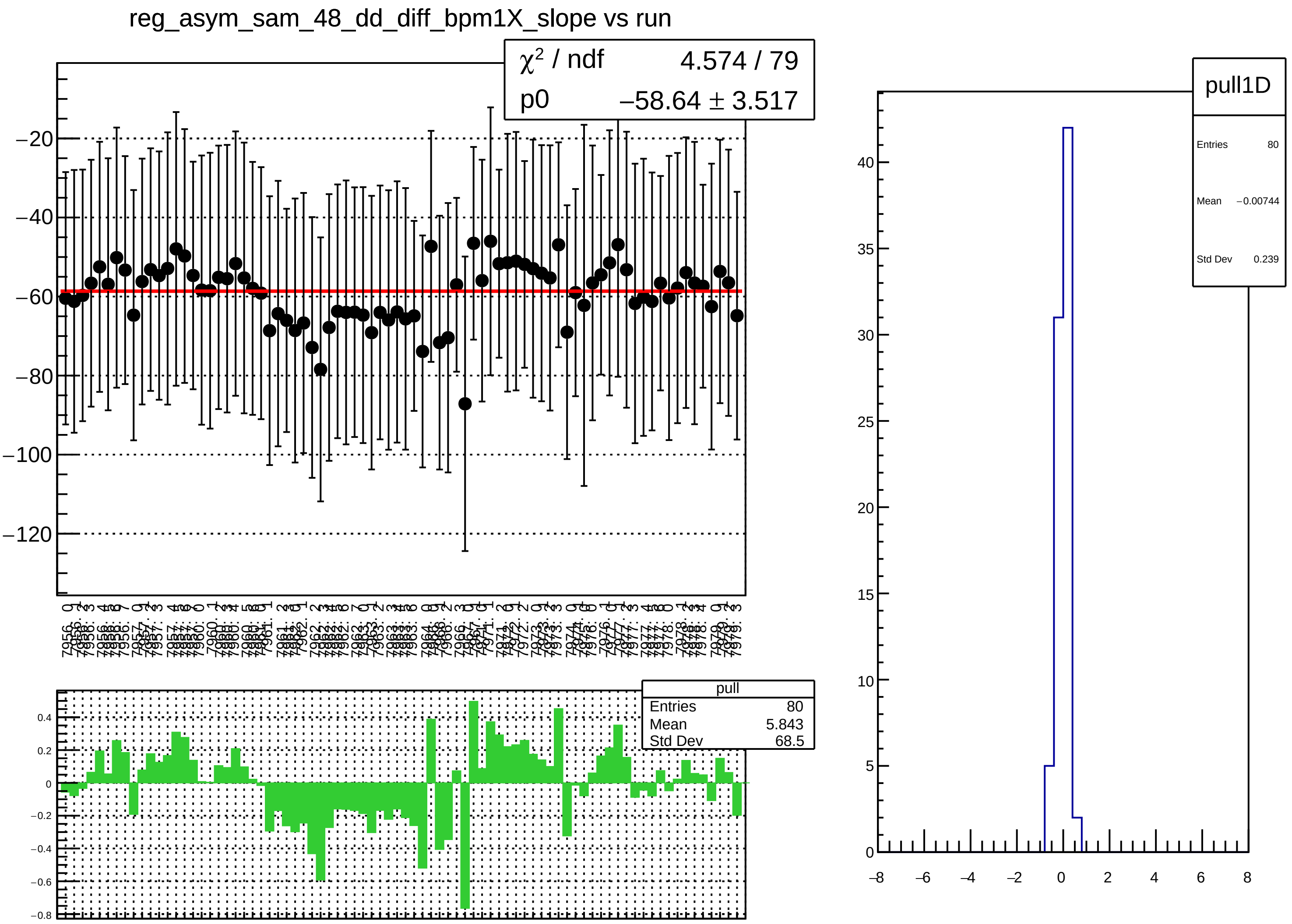
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ2 / ndf 2.861 / 79
p0 −65.93 ± 3.947
pull
Entries 80
Mean −880.9
Std Dev 914.9
pull1D
Entries 80
Mean 0.001733
Std Dev 0.1891

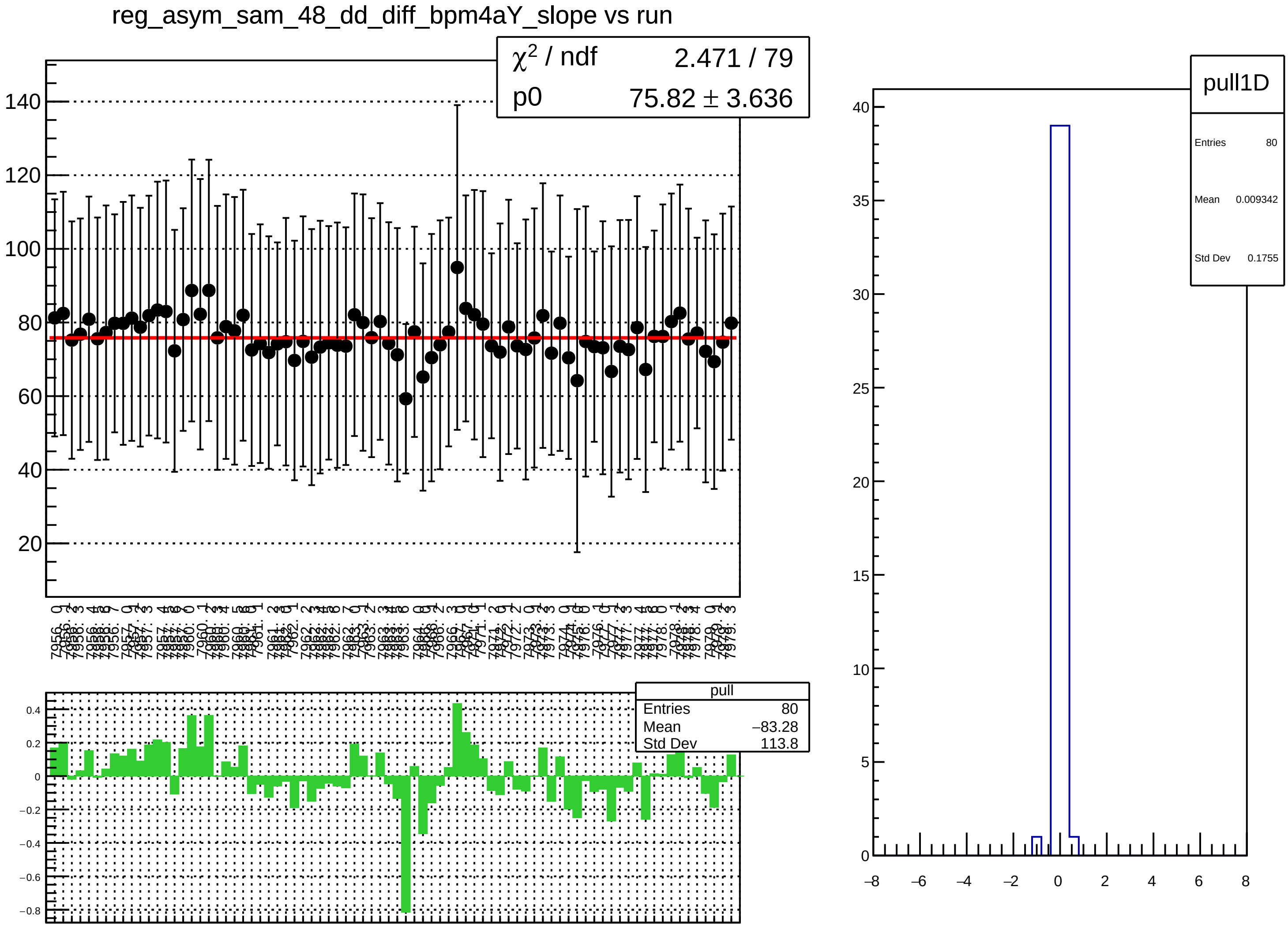


reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.012 / 79
p0 51.46 ± 5.279
pull
Entries 80
Mean −136.3
Std Dev 157.5
pull1D
Entries 80
Mean −0.006896
Std Dev 0.1939

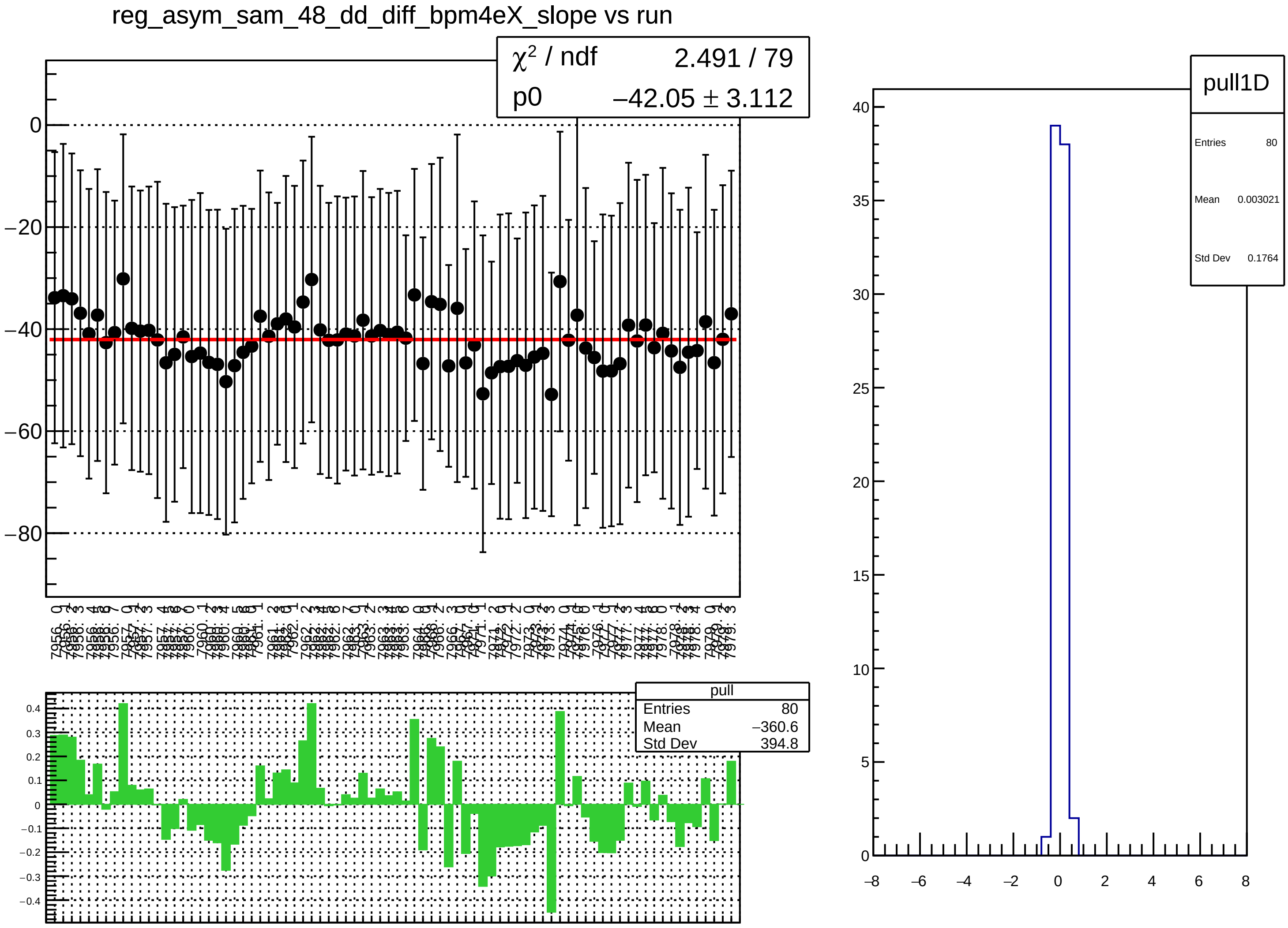


reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.975 / 79
p0 −2.167 ± 0.1524
pull
Entries 80
Mean 48.94
Std Dev 52.62
pull1D
Entries 80
Mean −0.01439
Std Dev 0.2729

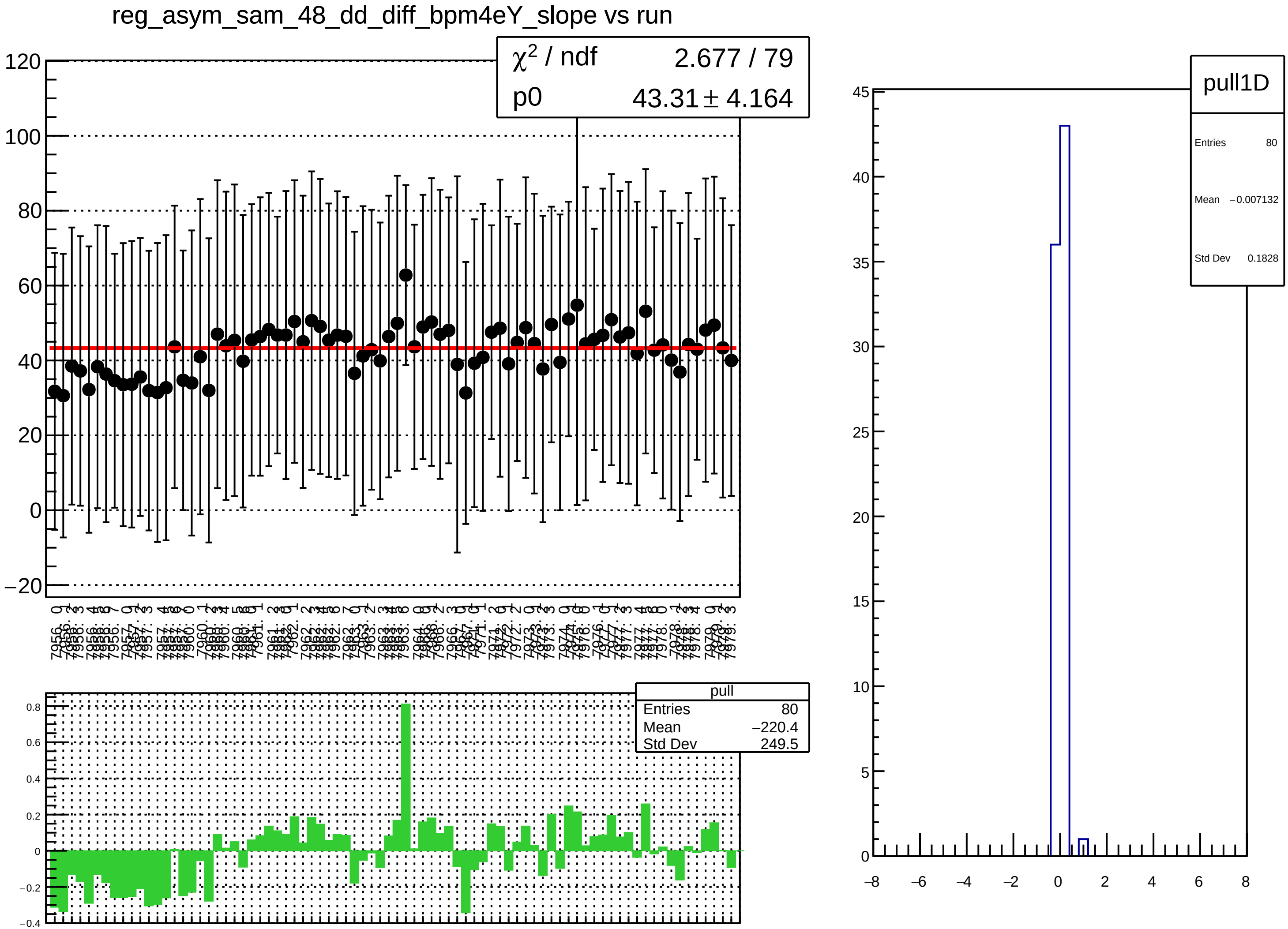

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 4.574 / 79
p0 −58.64 ± 3.517
−20
−40
−60
−80
−100
−120
pull
Entries 80
Mean 5.843
Std Dev 68.5
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.00744
Std Dev 0.239
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



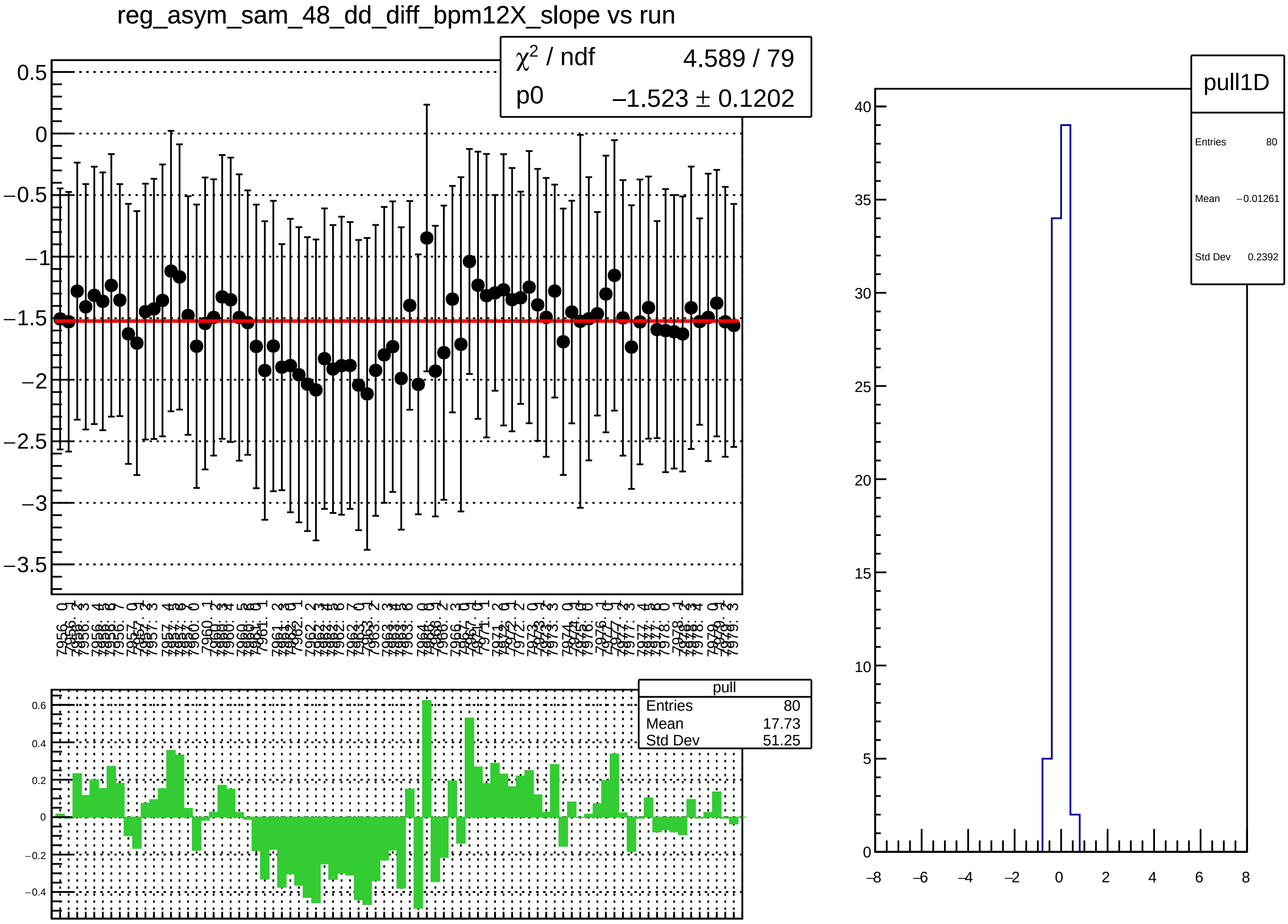
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2.471 / 79
p0 75.82 ± 3.636
pull
Entries 80
Mean −83.28
Std Dev 113.8
pull1D
Entries 80
Mean 0.009342
Std Dev 0.1755



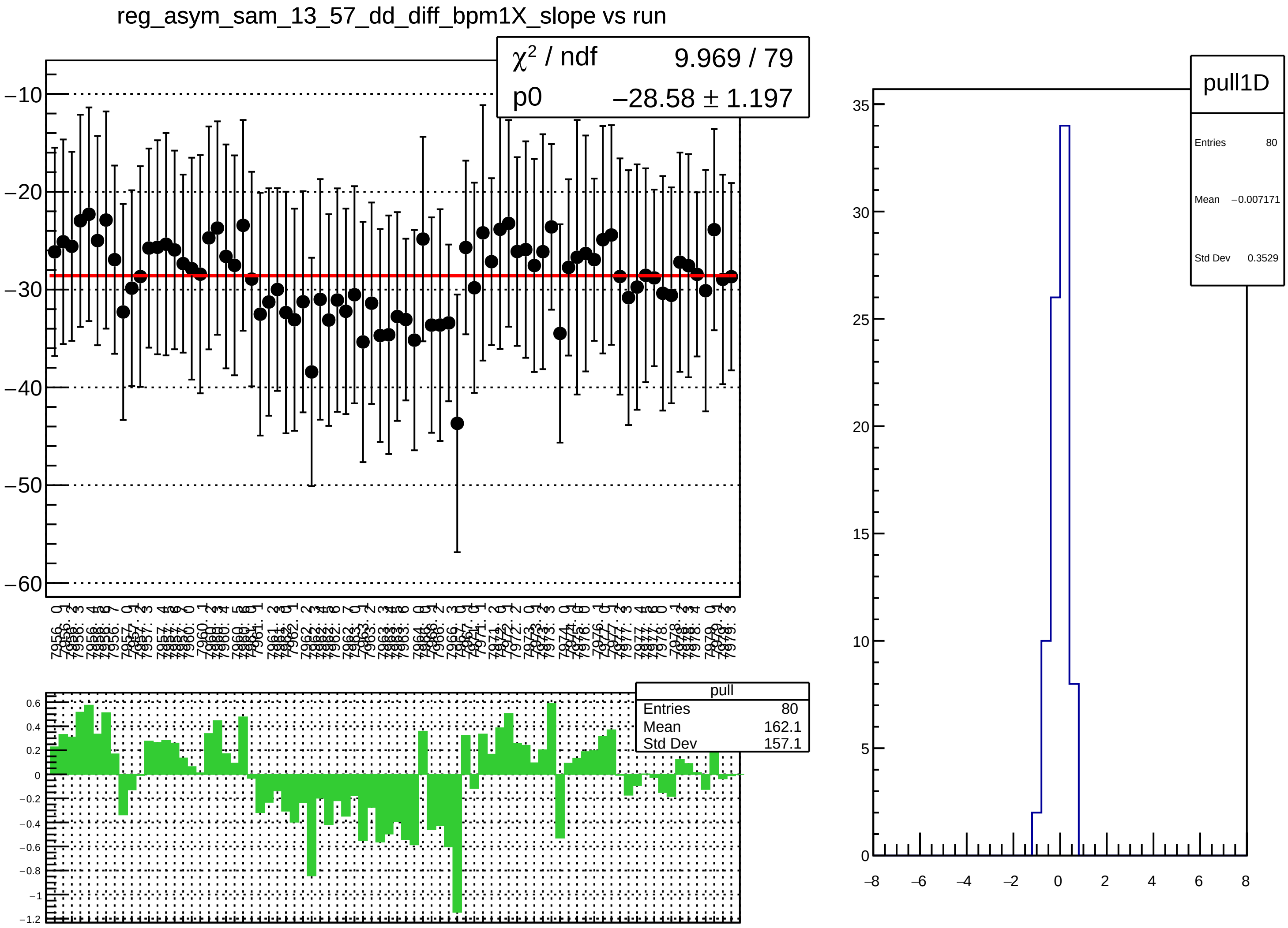
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.491 / 79
p0 −42.05 ± 3.112
pull
Entries 80
Mean −360.6
Std Dev 394.8
pull1D
Entries 80
Mean 0.003021
Std Dev 0.1764



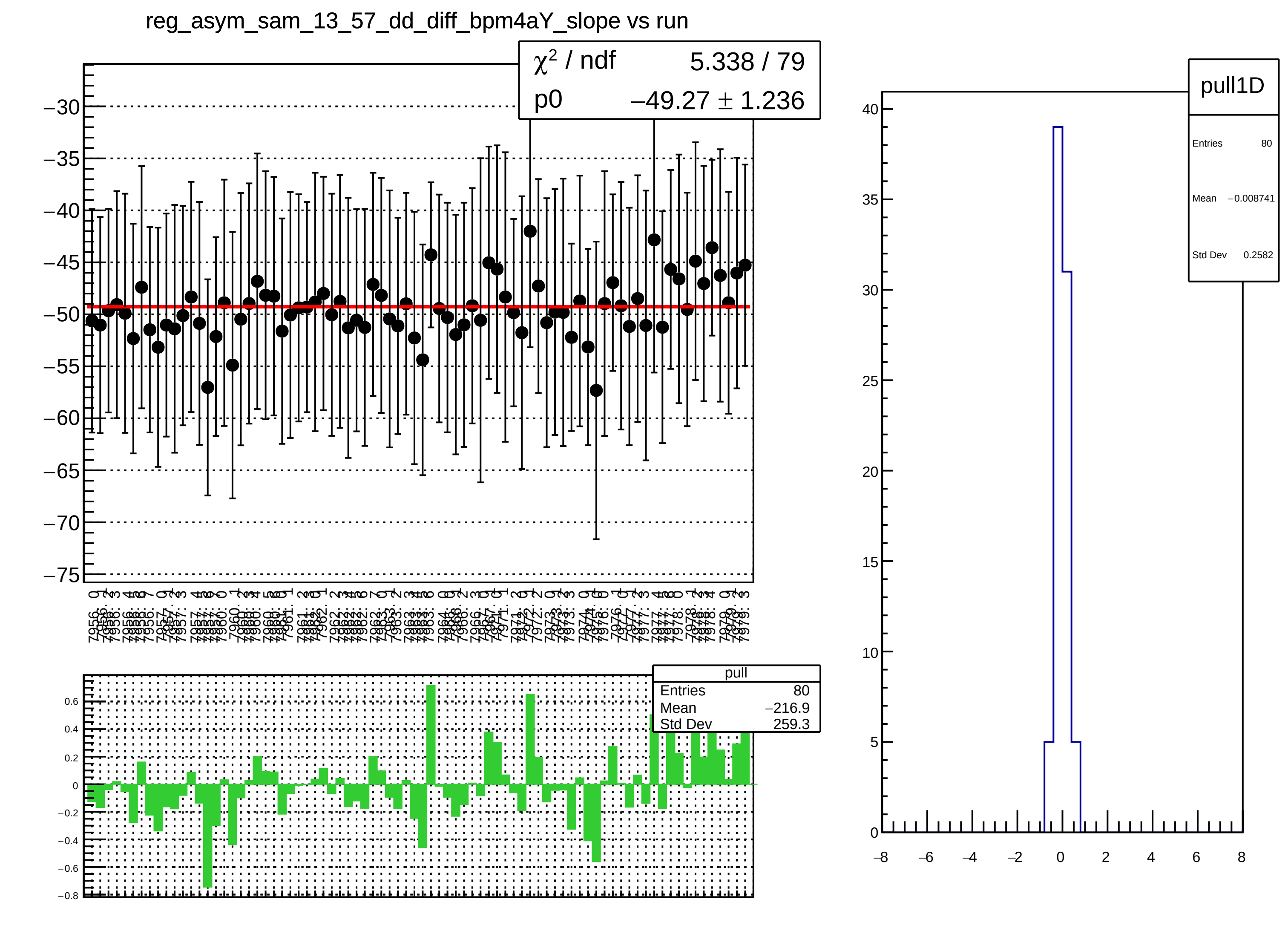
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.677 / 79
p0 43.31 ± 4.164
pull
Entries 80
Mean −220.4
Std Dev 249.5
pull1D
Entries 80
Mean −0.007132
Std Dev 0.1828



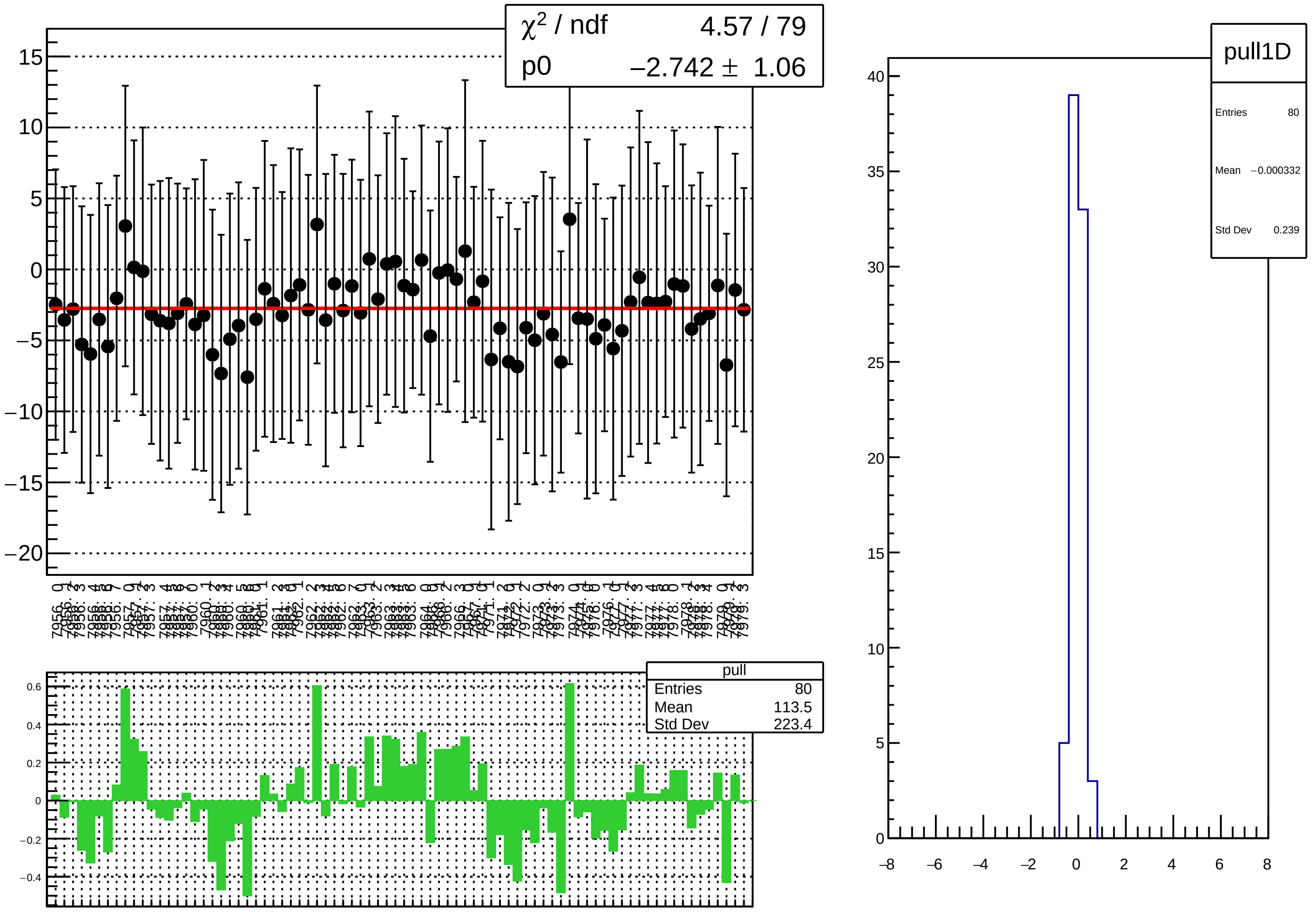
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.589 / 79
p0 −1.523 ± 0.1202
pull
Entries 80
Mean 17.73
Std Dev 51.25
pull1D
Entries 80
Mean −0.01261
Std Dev 0.2392

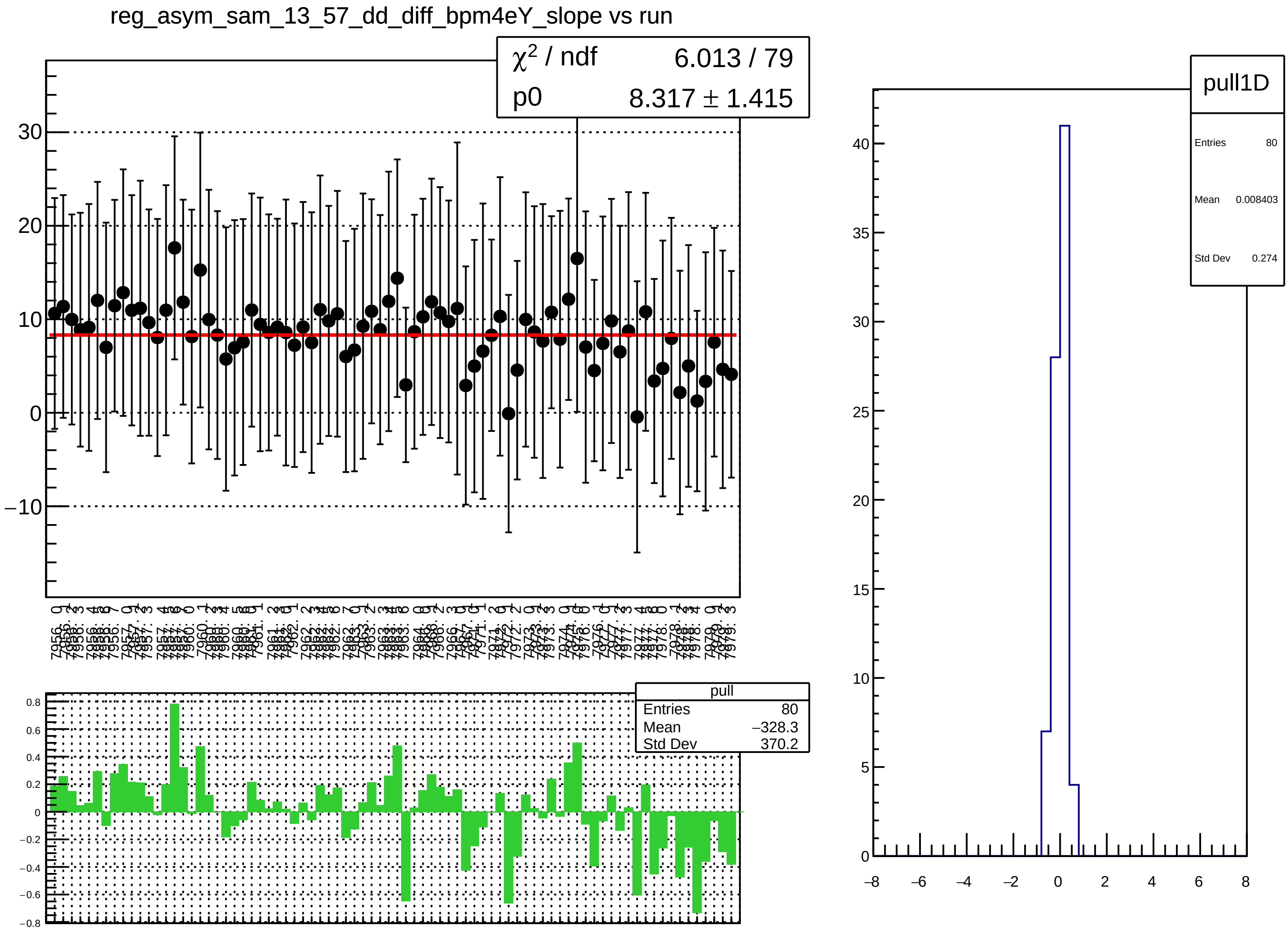


reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.969 / 79
p0 −28.58 ± 1.197
pull
Entries 80
Mean 162.1
Std Dev 157.1
pull1D
Entries 80
Mean −0.007171
Std Dev 0.3529

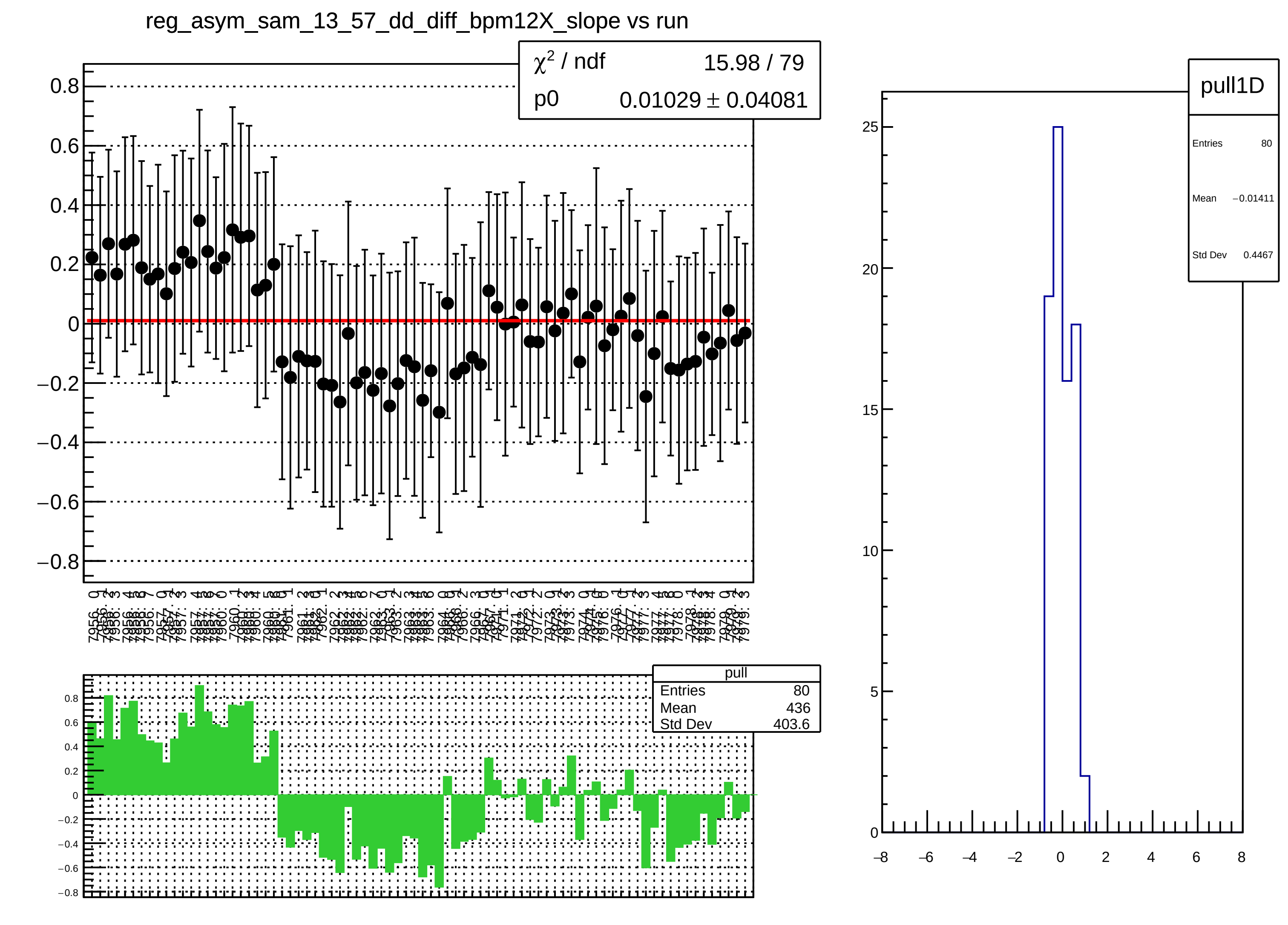

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ2 / ndf 5.338 / 79
p0 −49.27 ± 1.236
pull
Entries 80
Mean −216.9
Std Dev 259.3
pull1D
Entries 80
Mean −0.008741
Std Dev 0.2582

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

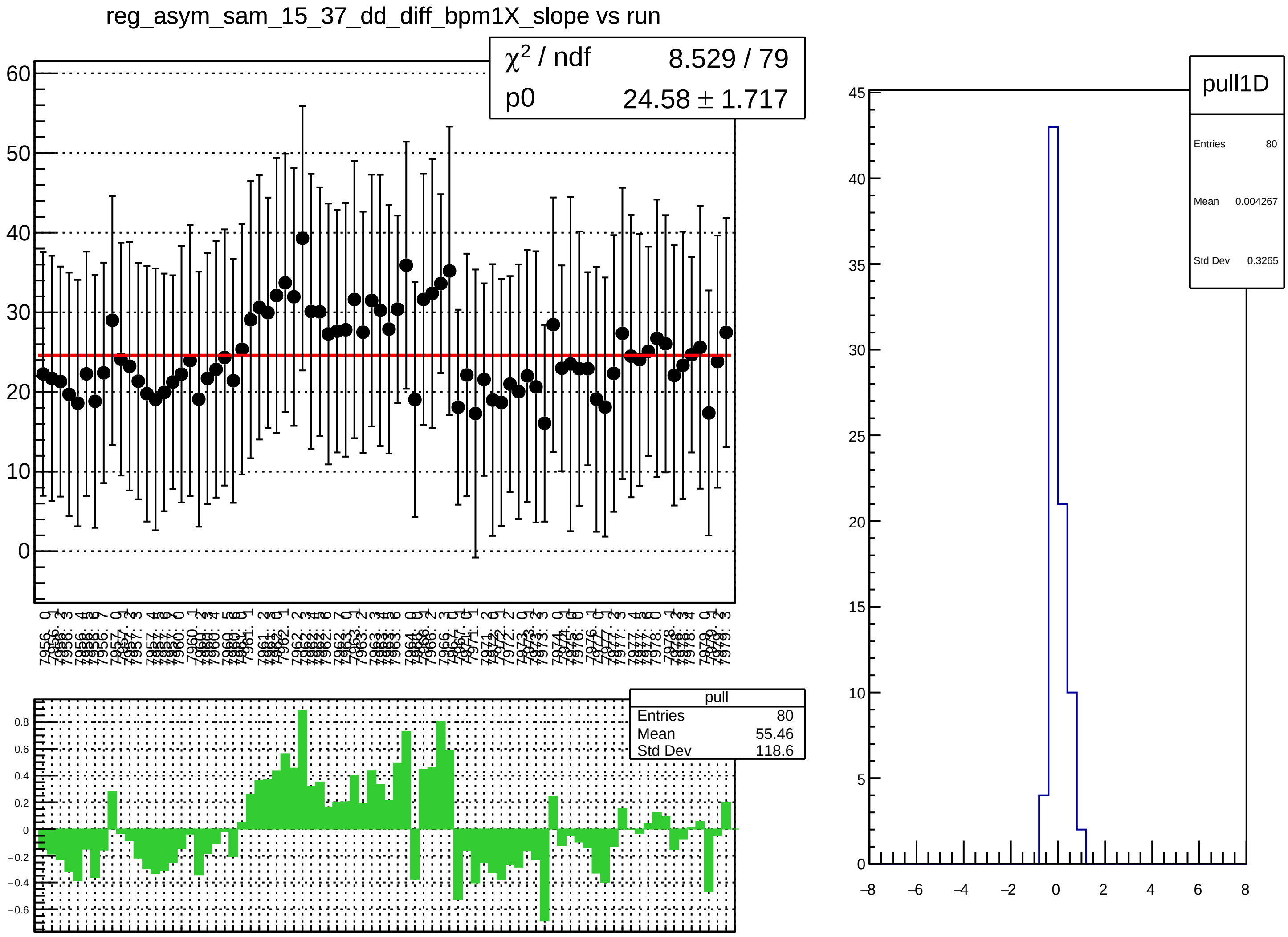


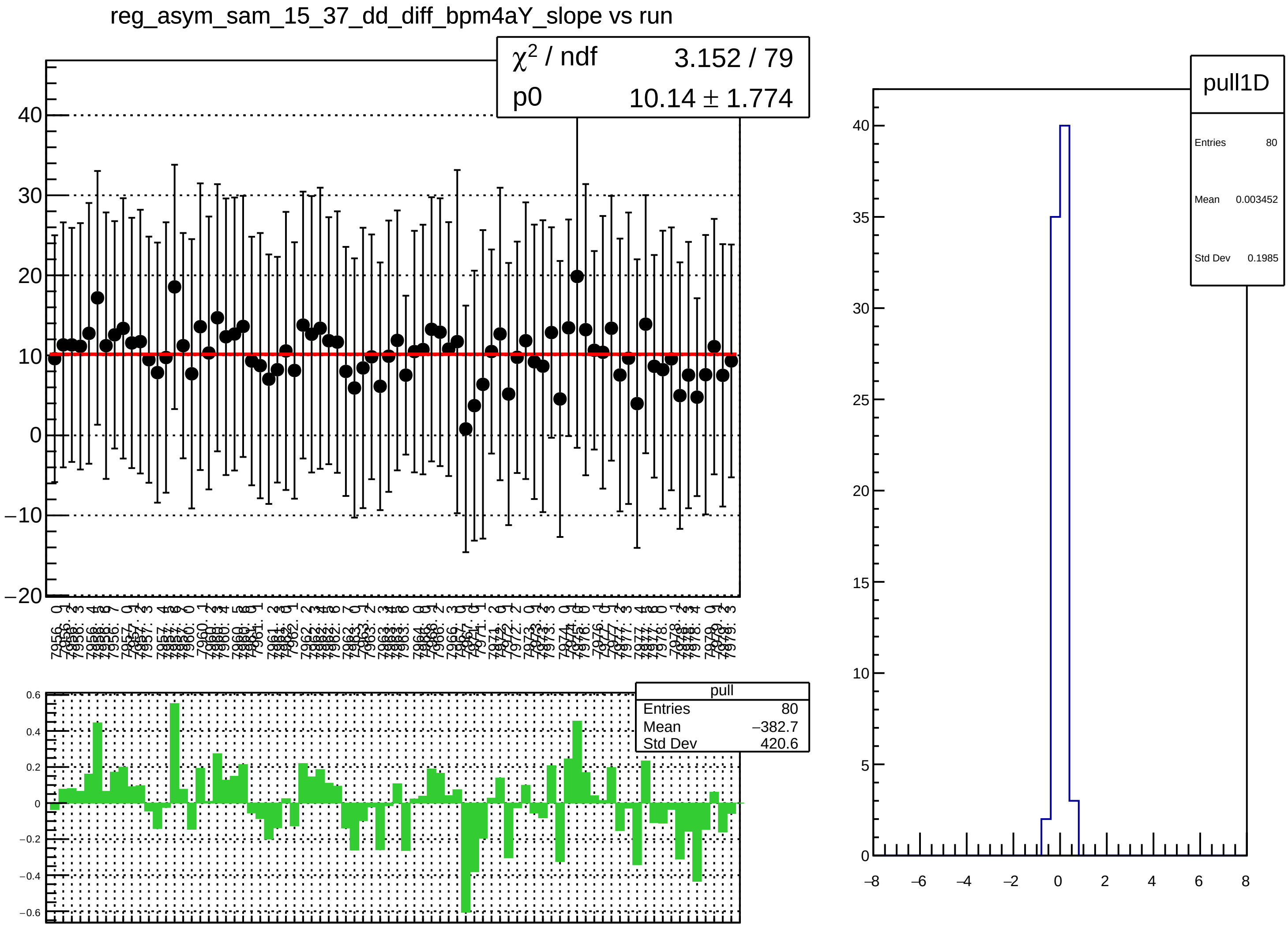


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.013 / 79
p0 8.317 ± 1.415
pull
Entries 80
Mean −328.3
Std Dev 370.2
pull1D
Entries 80
Mean 0.008403
Std Dev 0.274

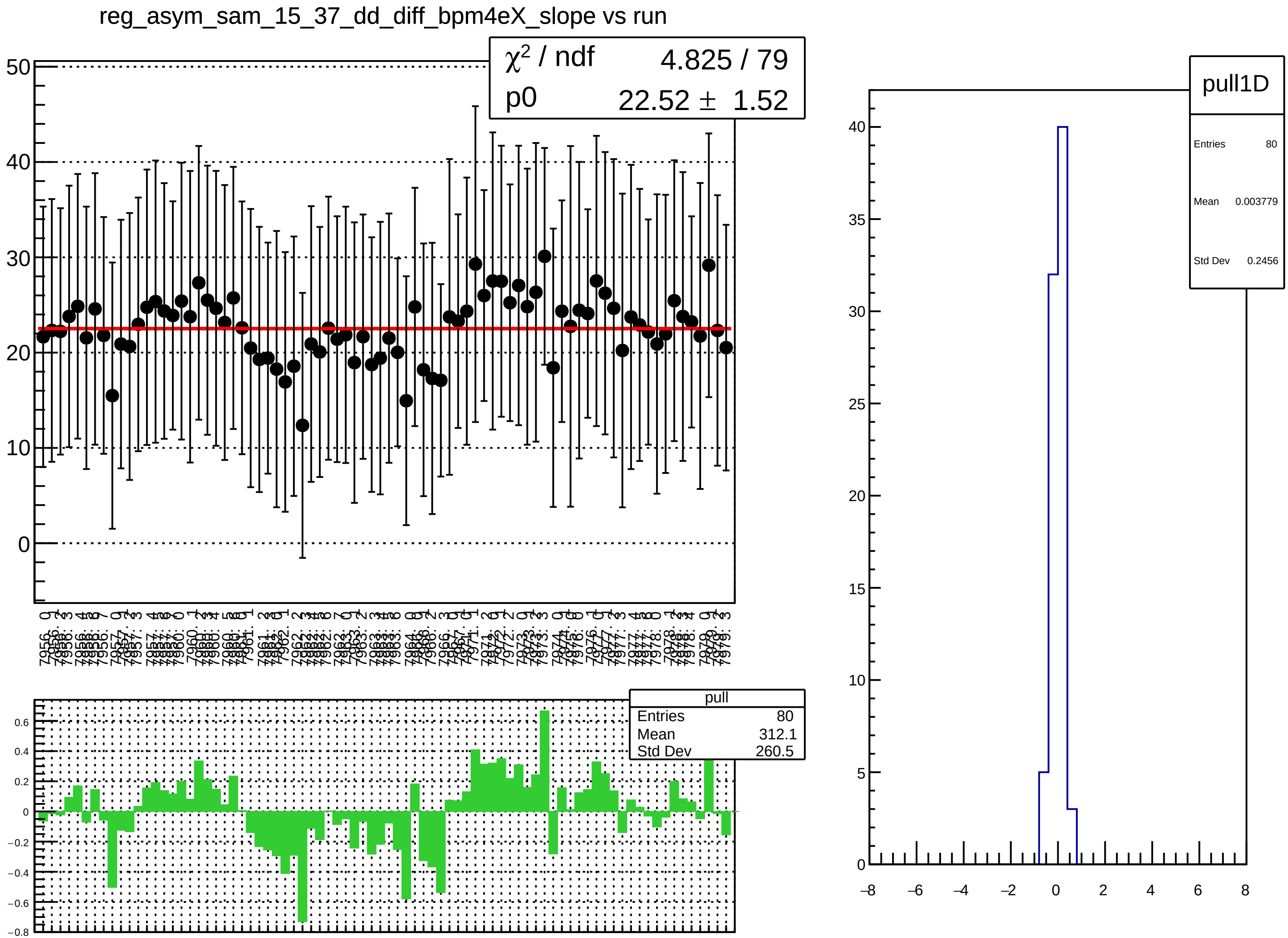


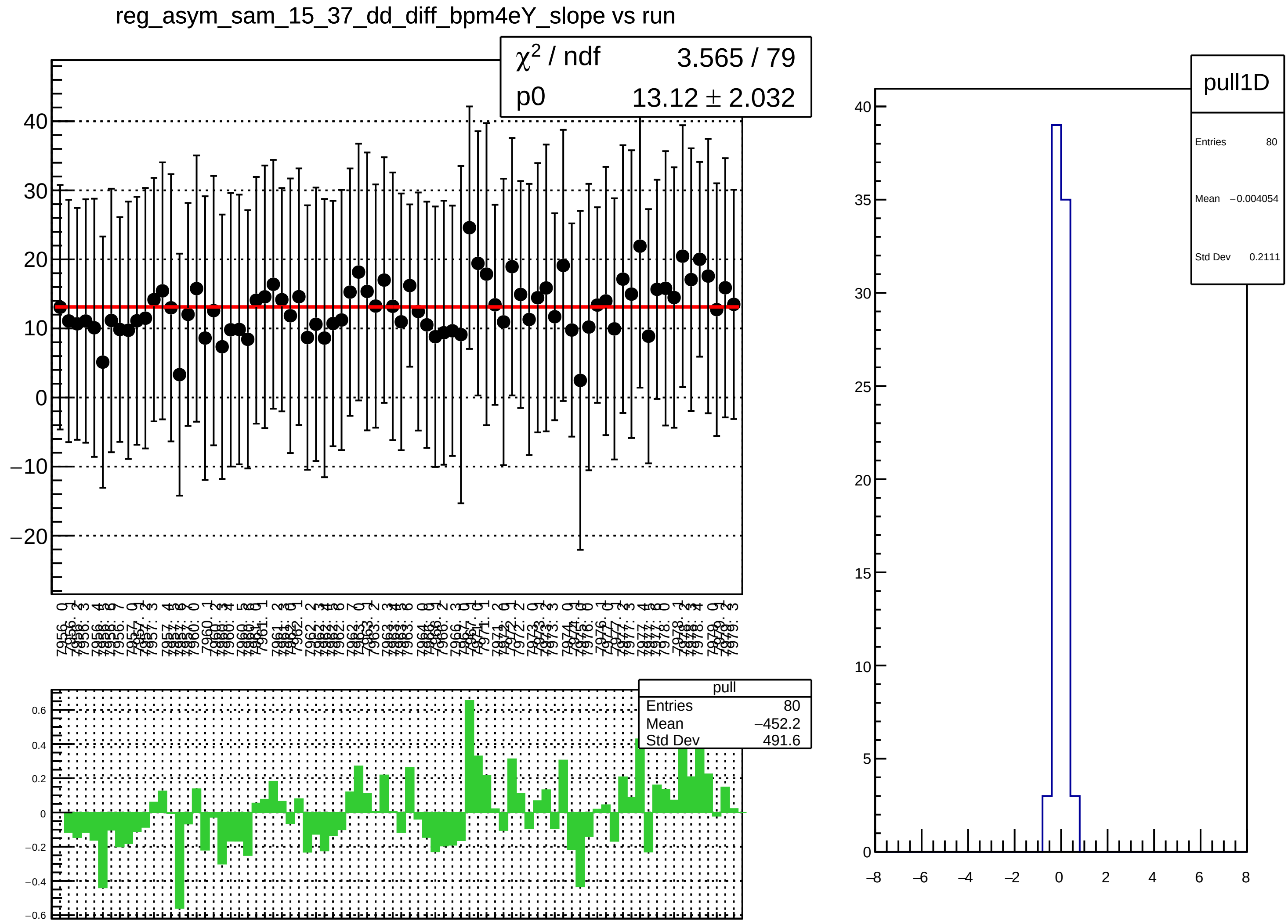
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ2 / ndf 15.98 / 79
p0 0.01029 ± 0.04081
pull
Entries 80
Mean 436
Std Dev 403.6
pull1D
Entries 80
Mean −0.01411
Std Dev 0.4467


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / 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

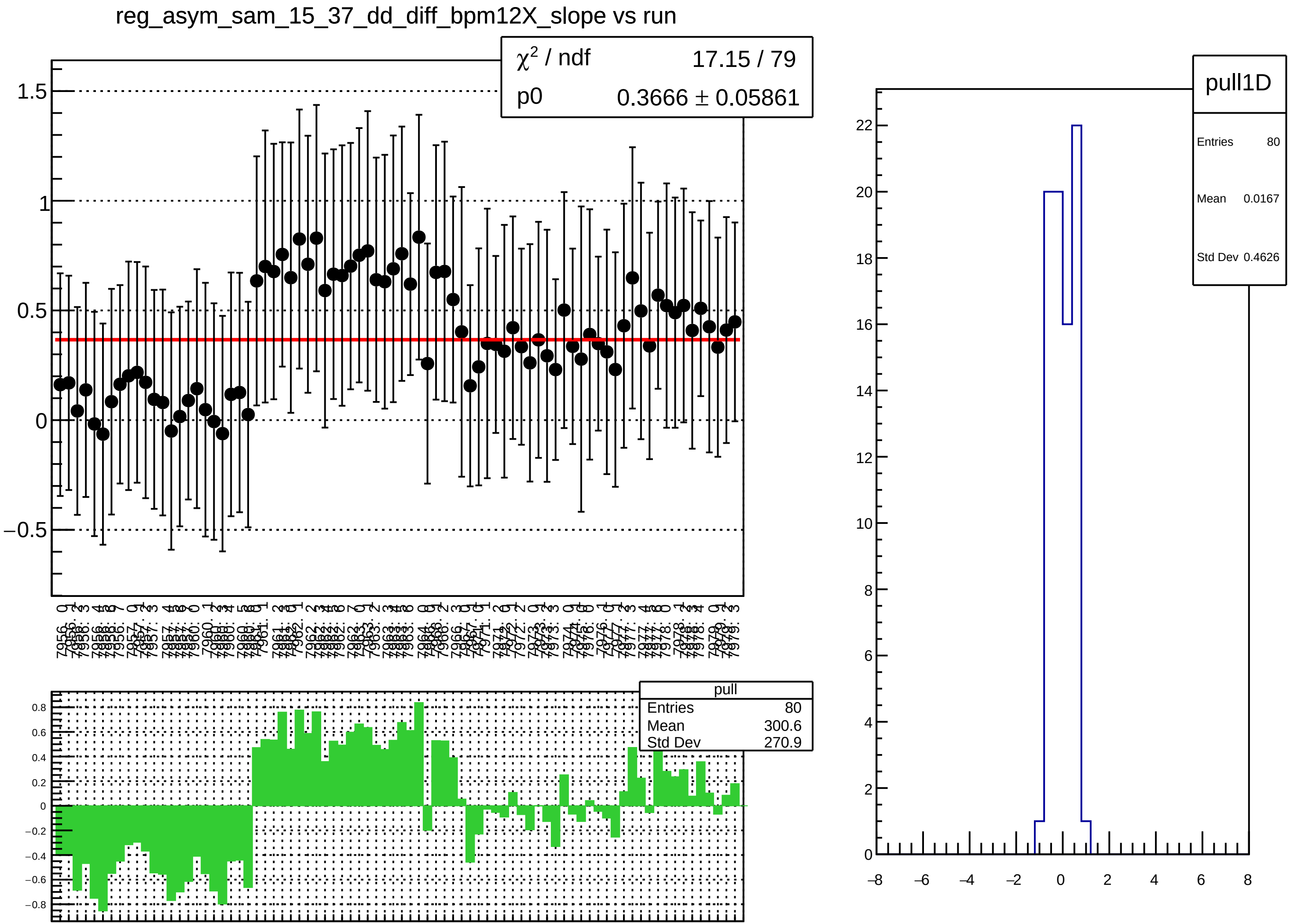


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 3.152 / 79
p0 10.14 ± 1.774
pull
Entries 80
Mean −382.7
Std Dev 420.6
pull1D
Entries 80
Mean 0.003452
Std Dev 0.1985

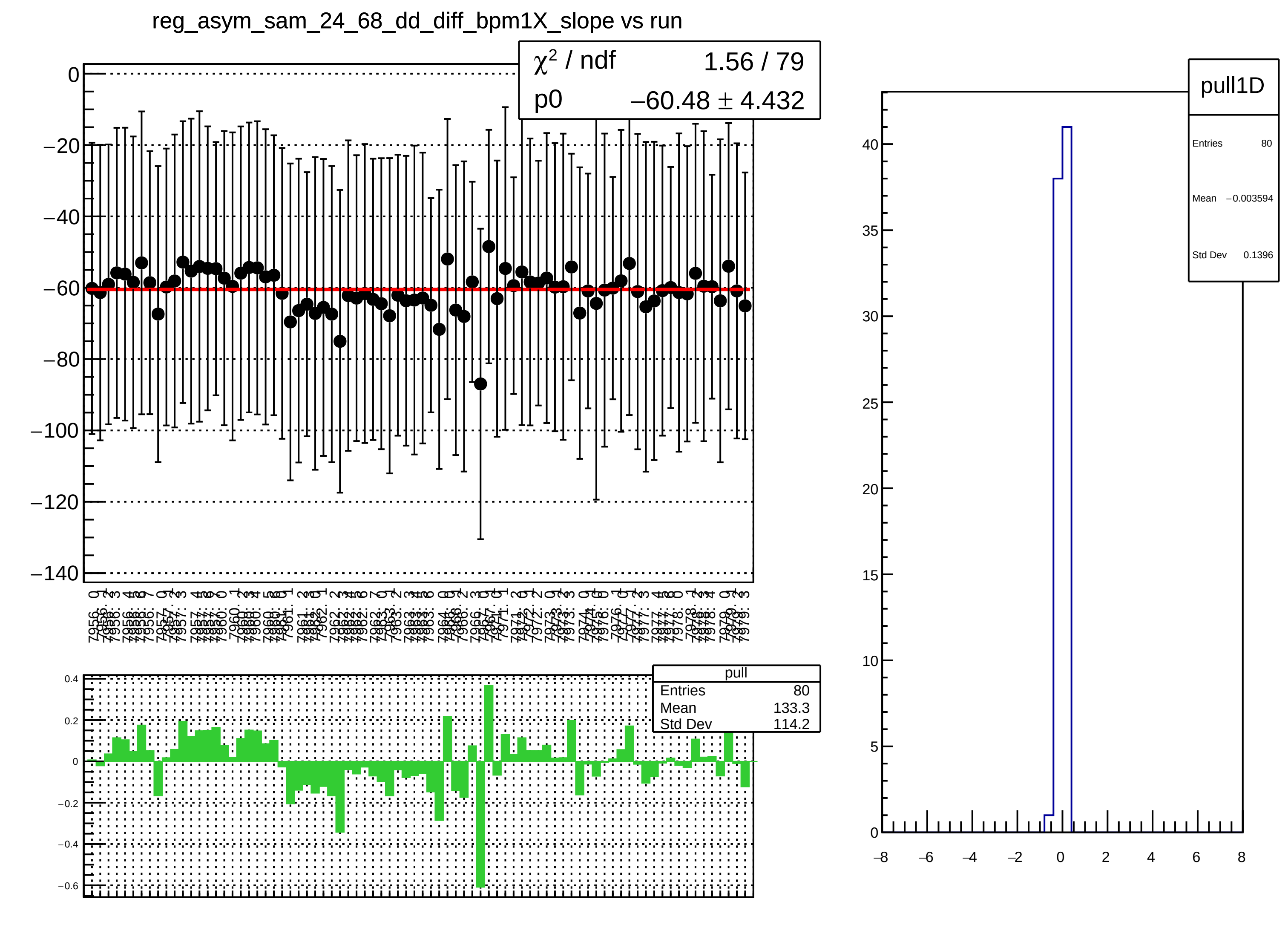

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.825 / 79
p0 22.52 ± 1.52
pull
Entries 80
Mean 312.1
Std Dev 260.5
pull1D
Entries 80
Mean 0.003779
Std Dev 0.2456



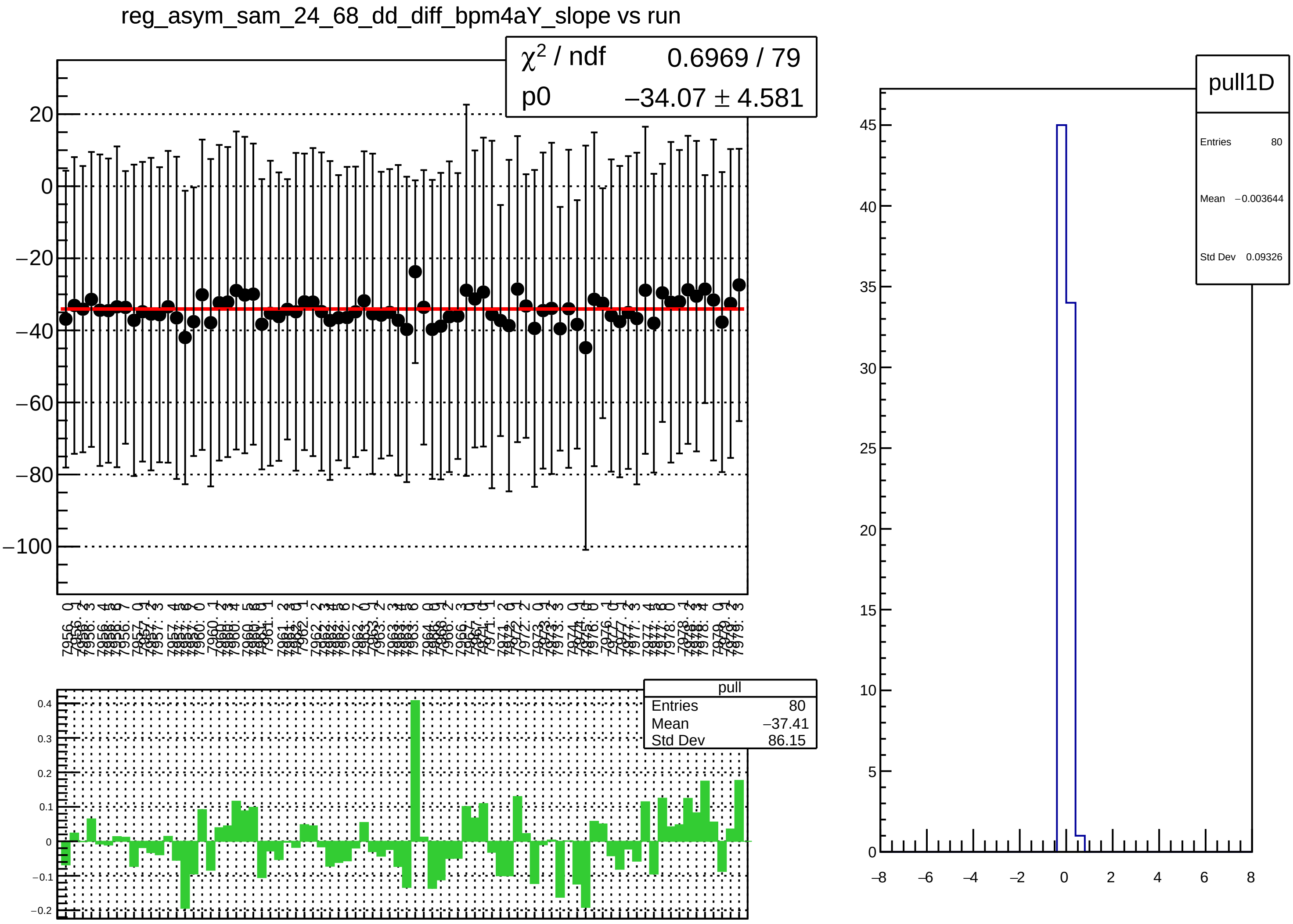
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.565 / 79
p0 13.12 ± 2.032
pull
Entries 80
Mean −452.2
Std Dev 491.6
pull1D
Entries 80
Mean −0.004054
Std Dev 0.2111



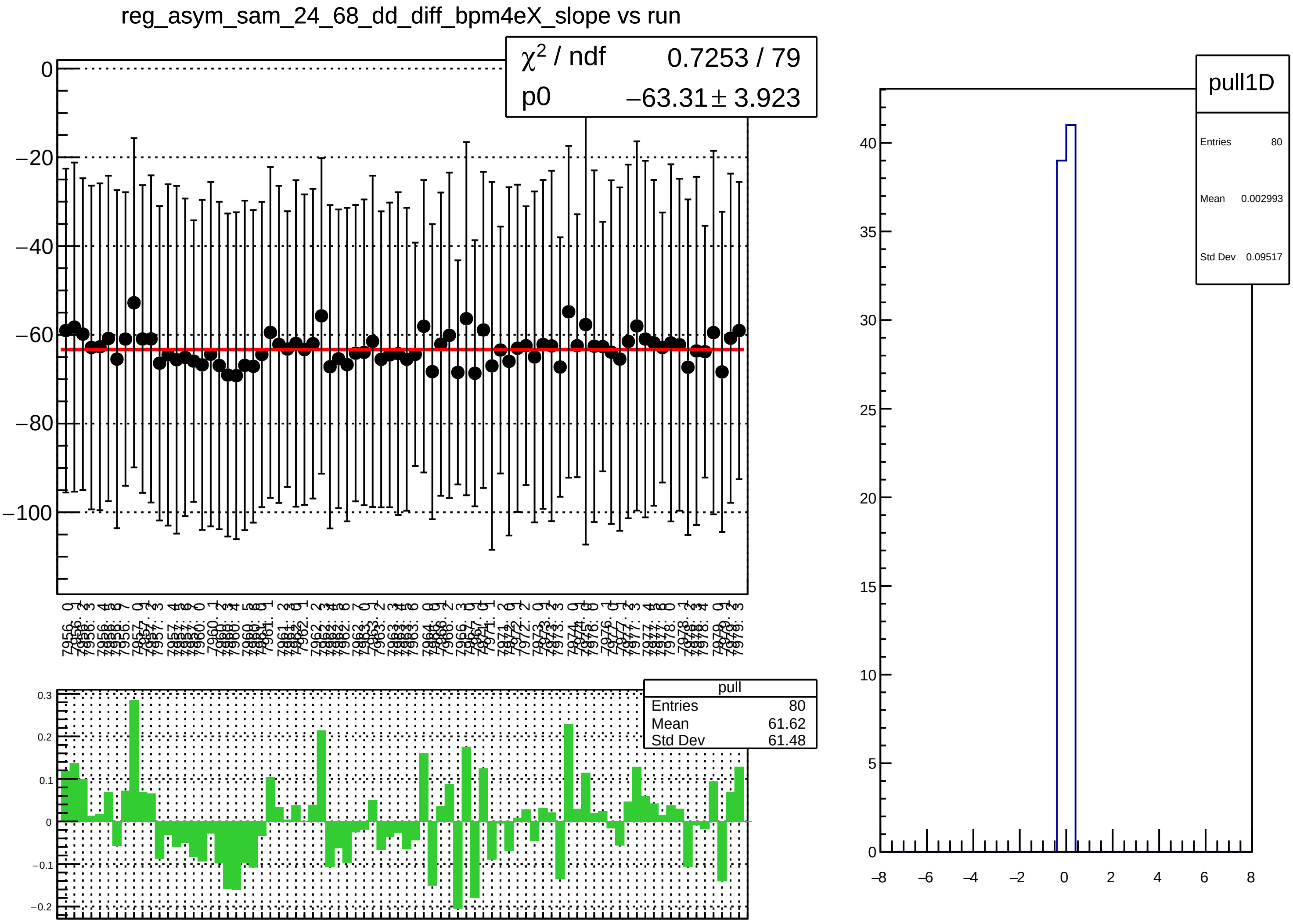
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.15 / 79
p0 0.3666 ± 0.05861
pull
Entries 80
Mean 300.6
Std Dev 270.9
pull1D
Entries 80
Mean 0.0167
Std Dev 0.4626



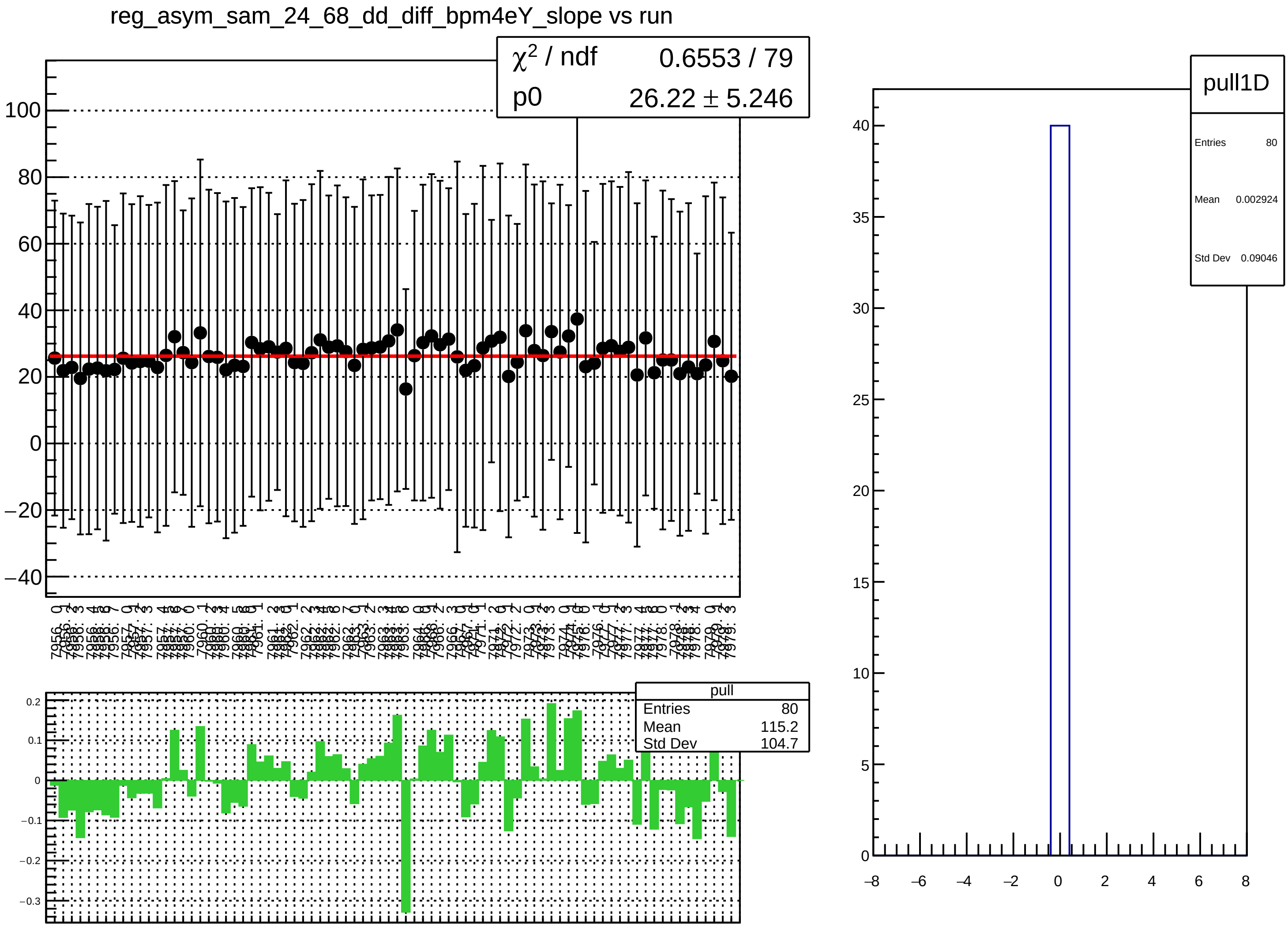
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 1.56 / 79
p0 −60.48 ± 4.432
pull
Entries 80
Mean 133.3
Std Dev 114.2
pull1D
Entries 80
Mean −0.003594
Std Dev 0.1396



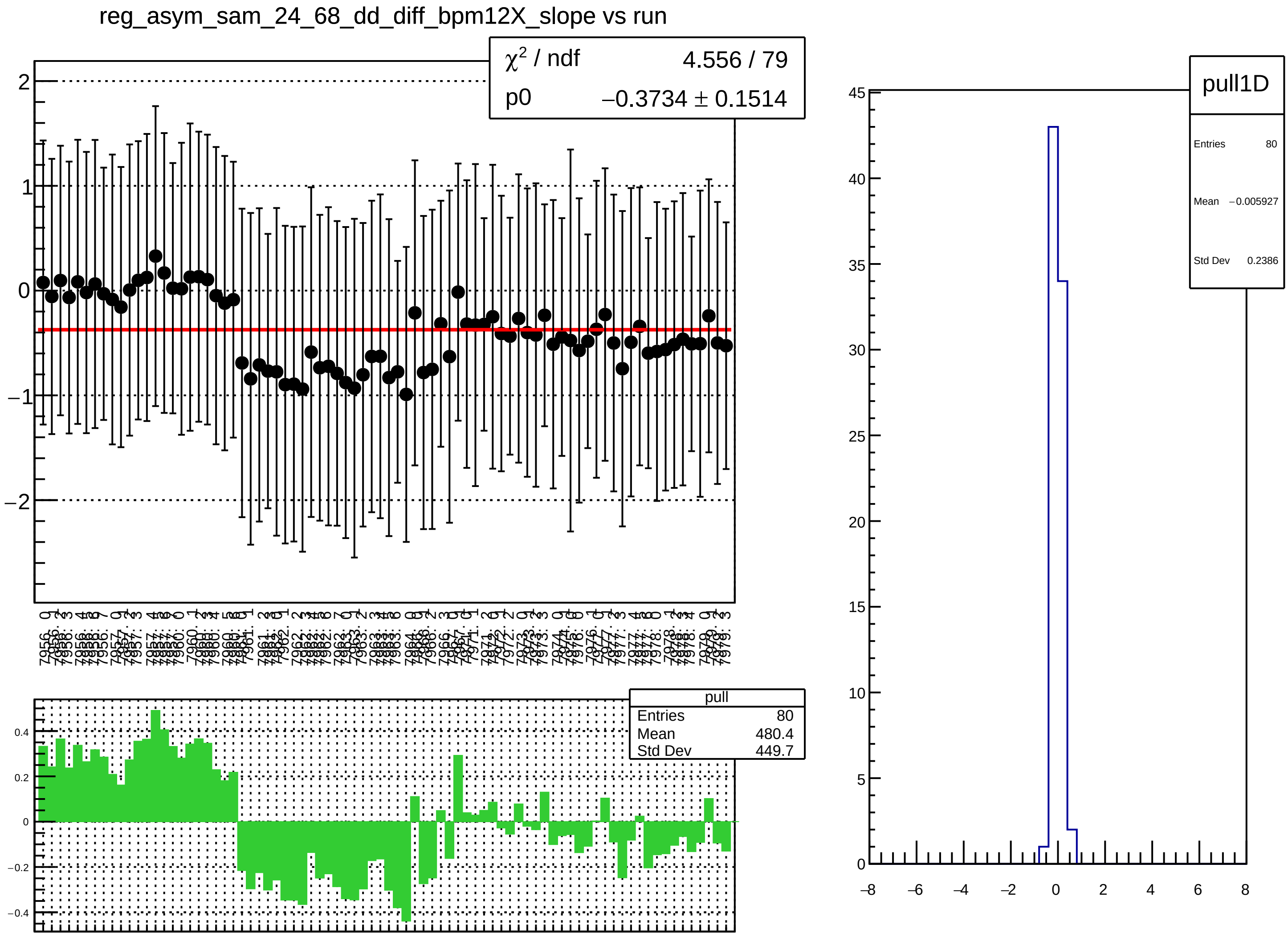
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.6969 / 79
p0 −34.07 ± 4.581
pull
Entries 80
Mean −37.41
Std Dev 86.15
pull1D
Entries 80
Mean −0.003644
Std Dev 0.09326



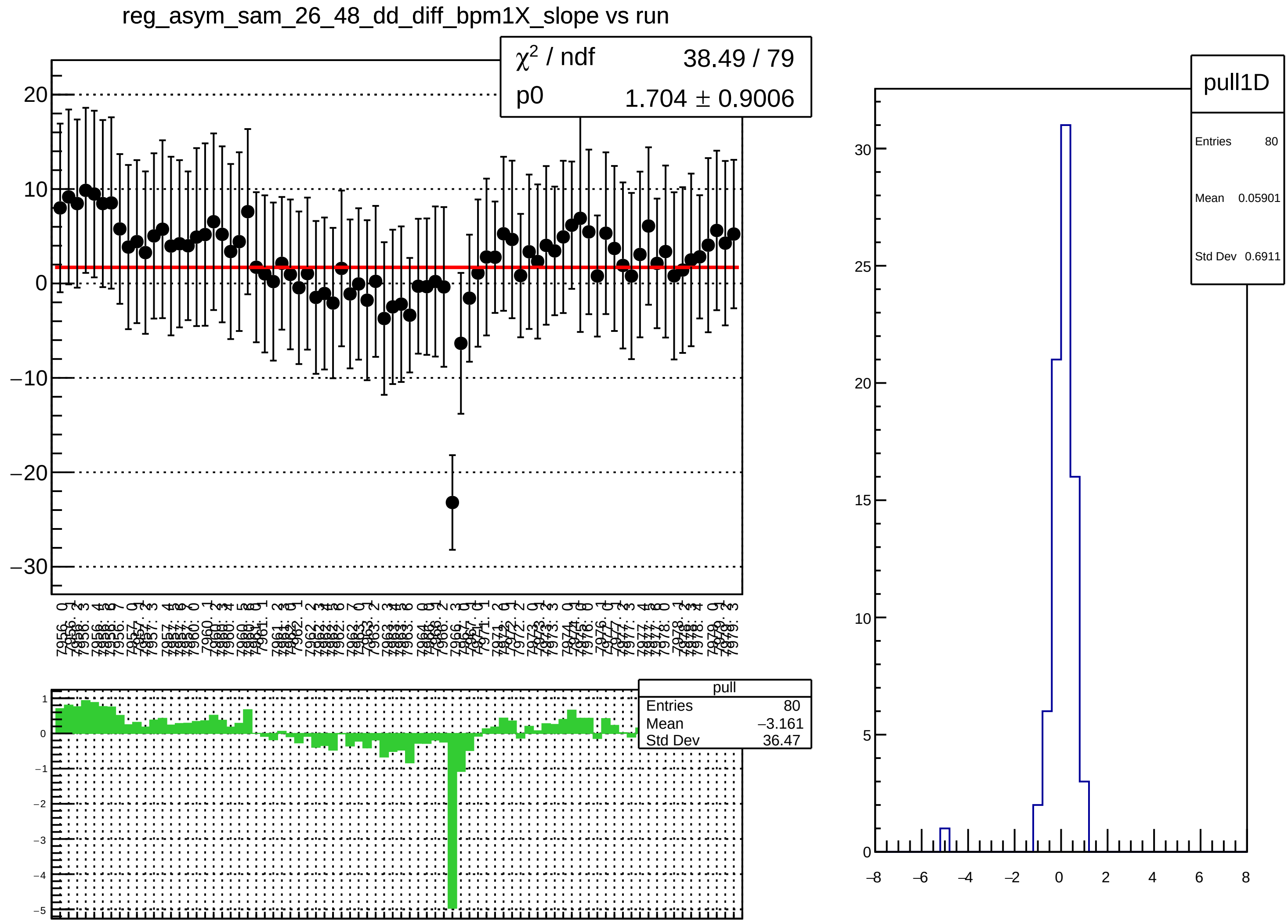
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.7253 / 79
p0 −63.31 ± 3.923
pull
Entries 80
Mean 61.62
Std Dev 61.48
pull1D
Entries 80
Mean 0.002993
Std Dev 0.09517



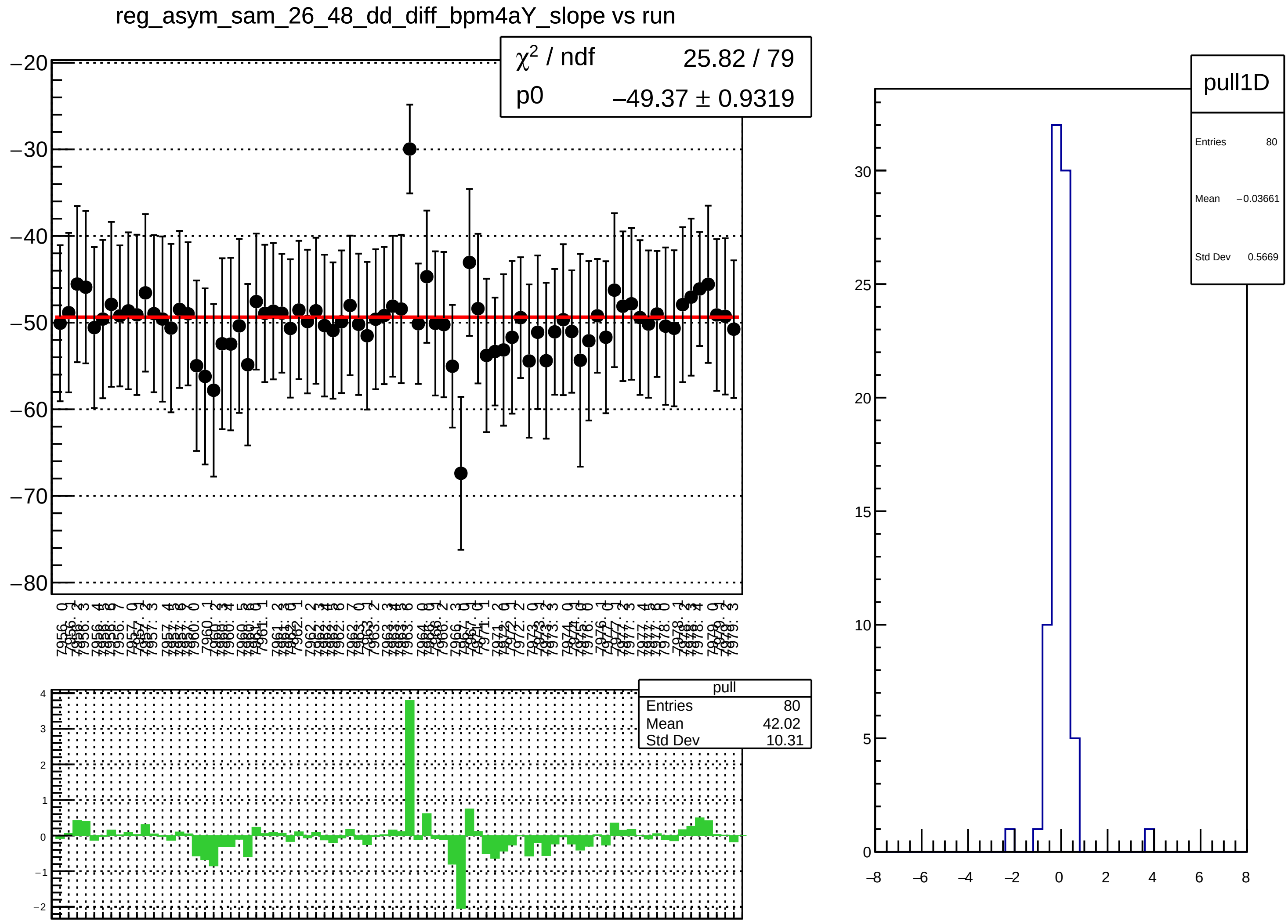
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 0.6553 / 79
p0 26.22 ± 5.246
pull
Entries 80
Mean 115.2
Std Dev 104.7
pull1D
Entries 80
Mean 0.002924
Std Dev 0.09046



reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / 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

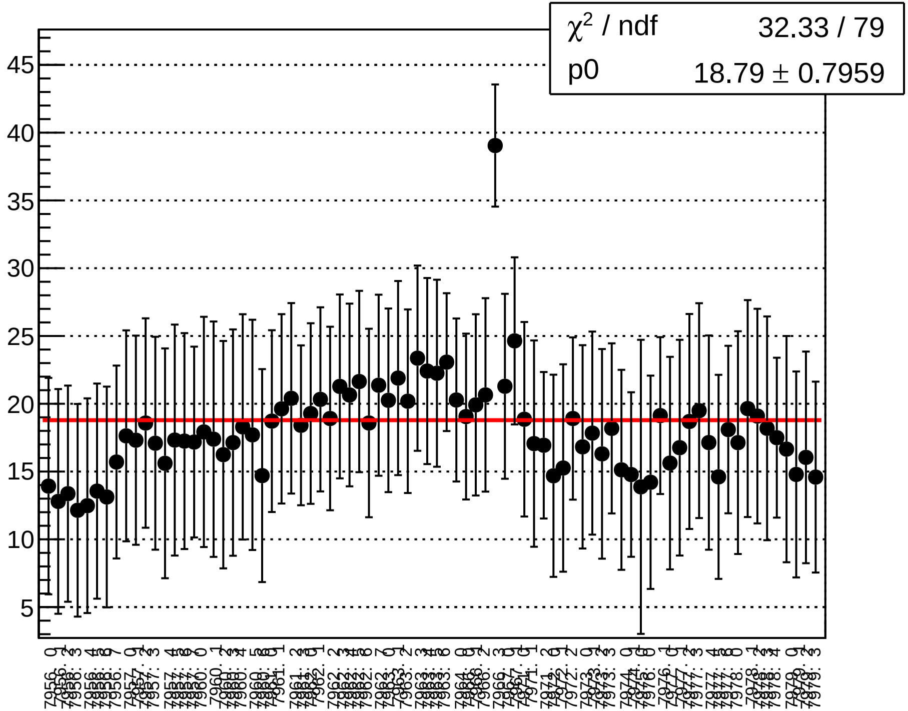


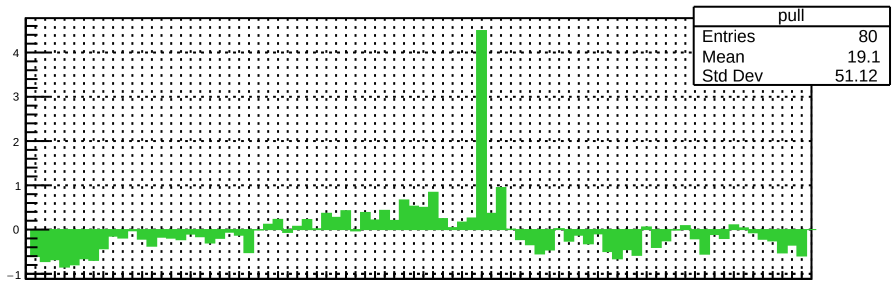
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 38.49 / 79
p0 1.704 ± 0.9006
pull
Entries 80
Mean −3.161
Std Dev 36.47
pull1D
Entries 80
Mean 0.05901
Std Dev 0.6911

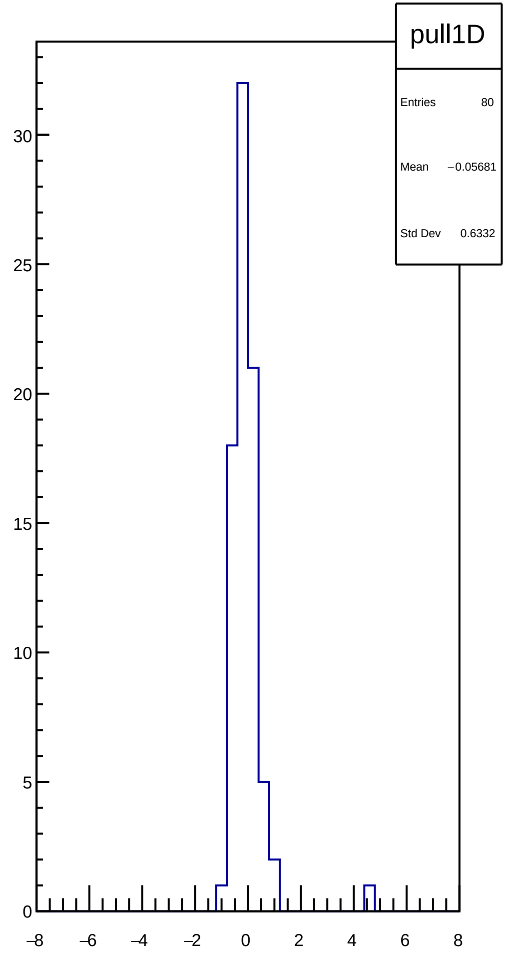


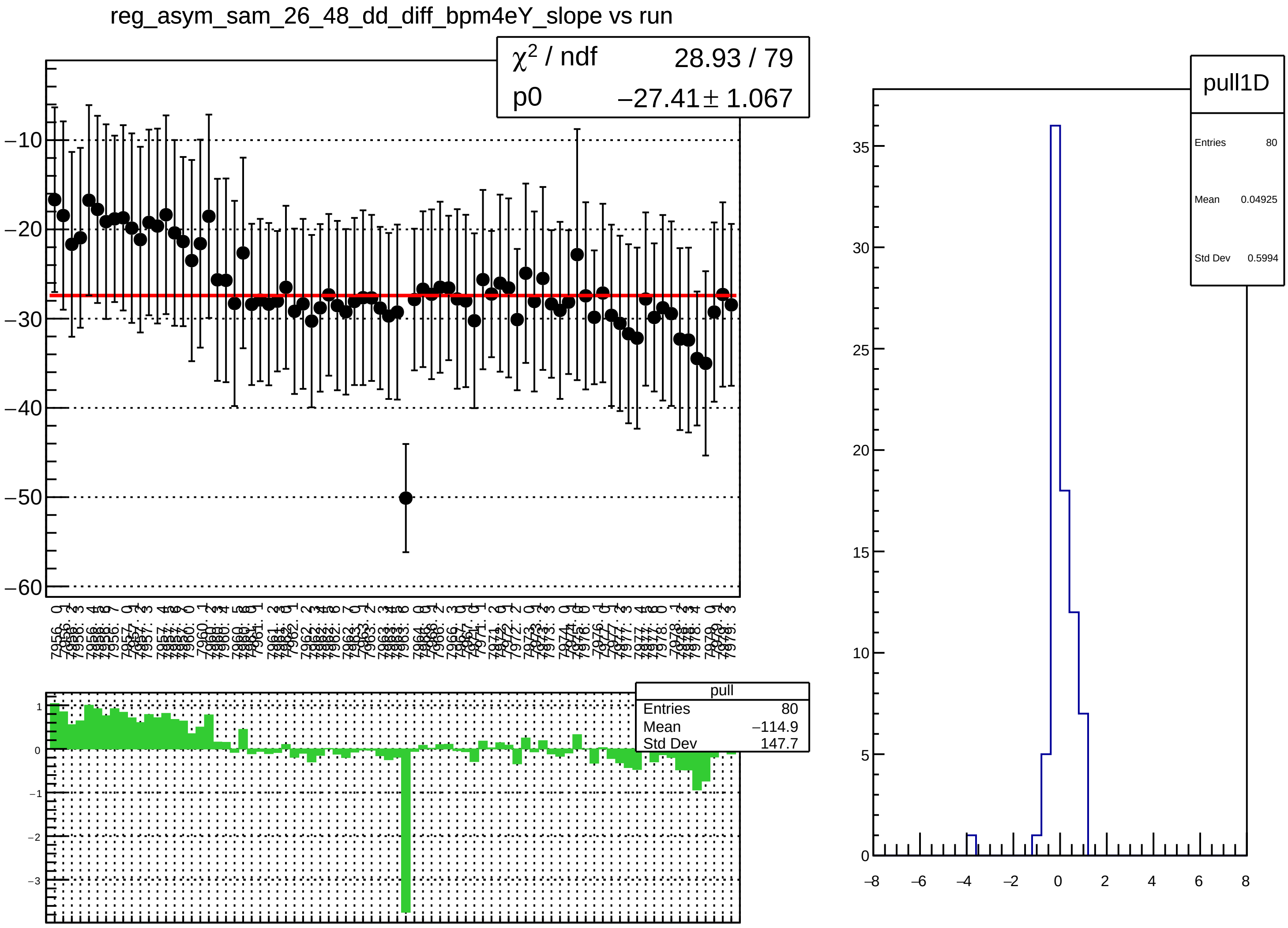
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 25.82 / 79
p0 −49.37 ± 0.9319
pull
Entries 80
Mean 42.02
Std Dev 10.31
pull1D
Entries 80
Mean −0.03661
Std Dev 0.5669

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run

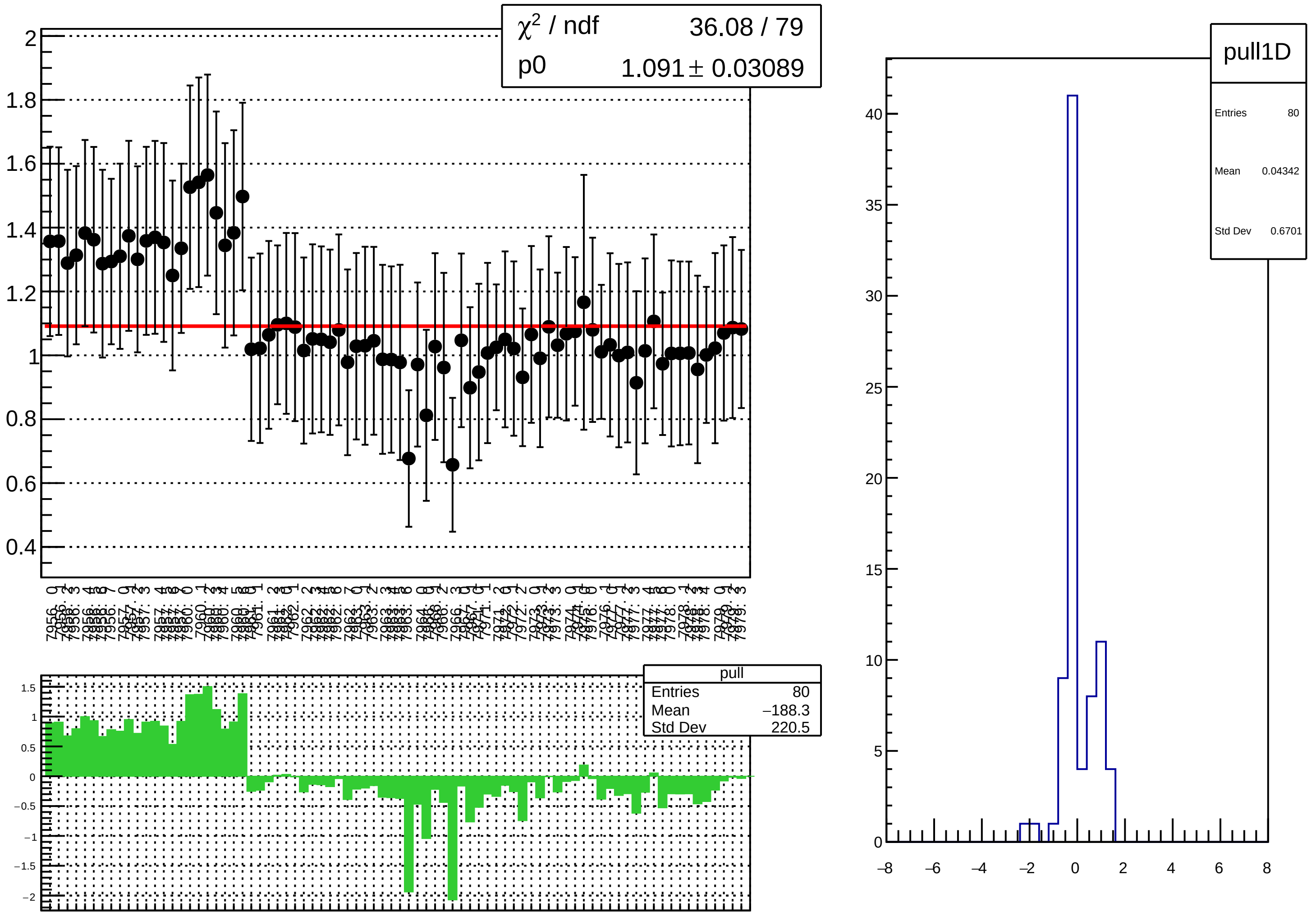


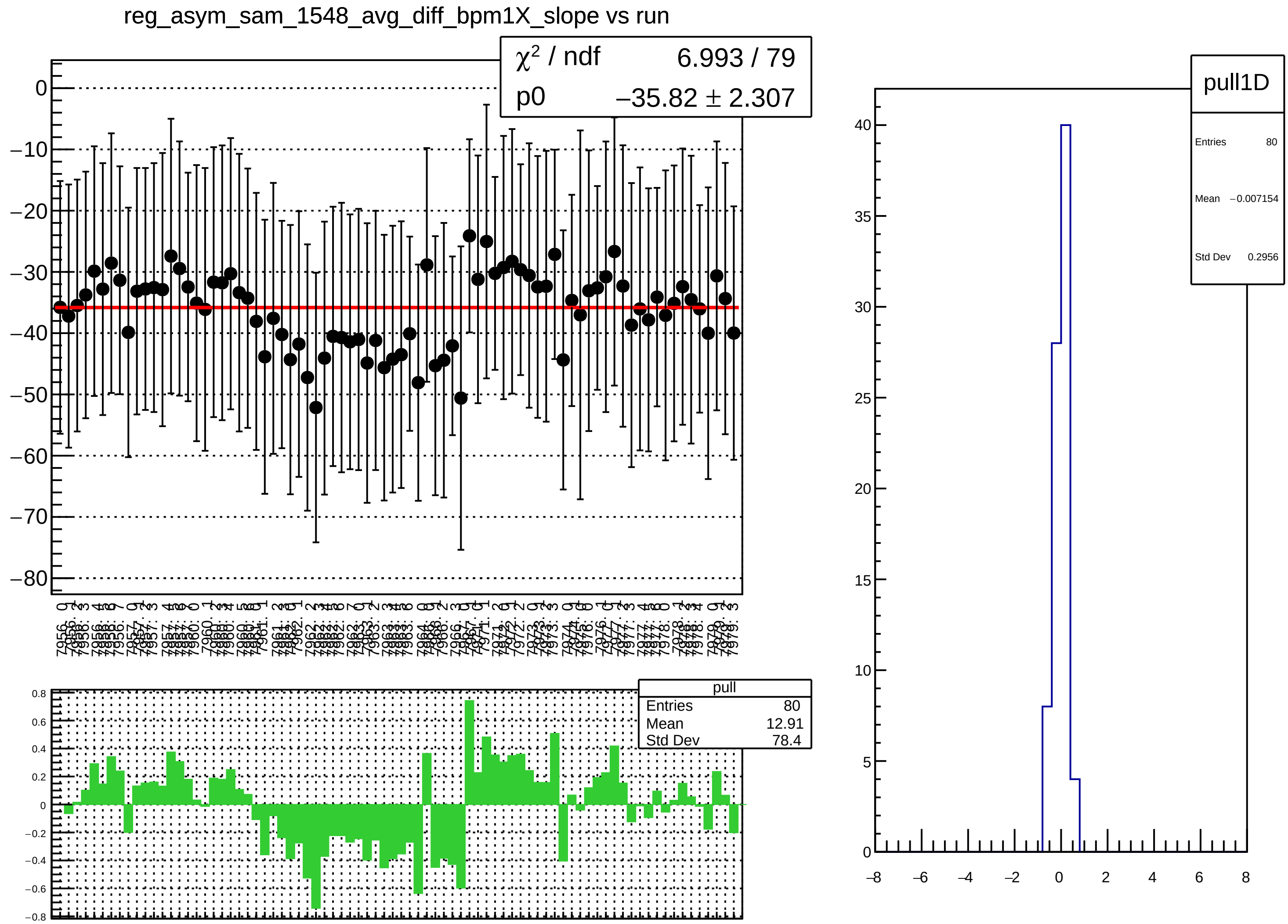




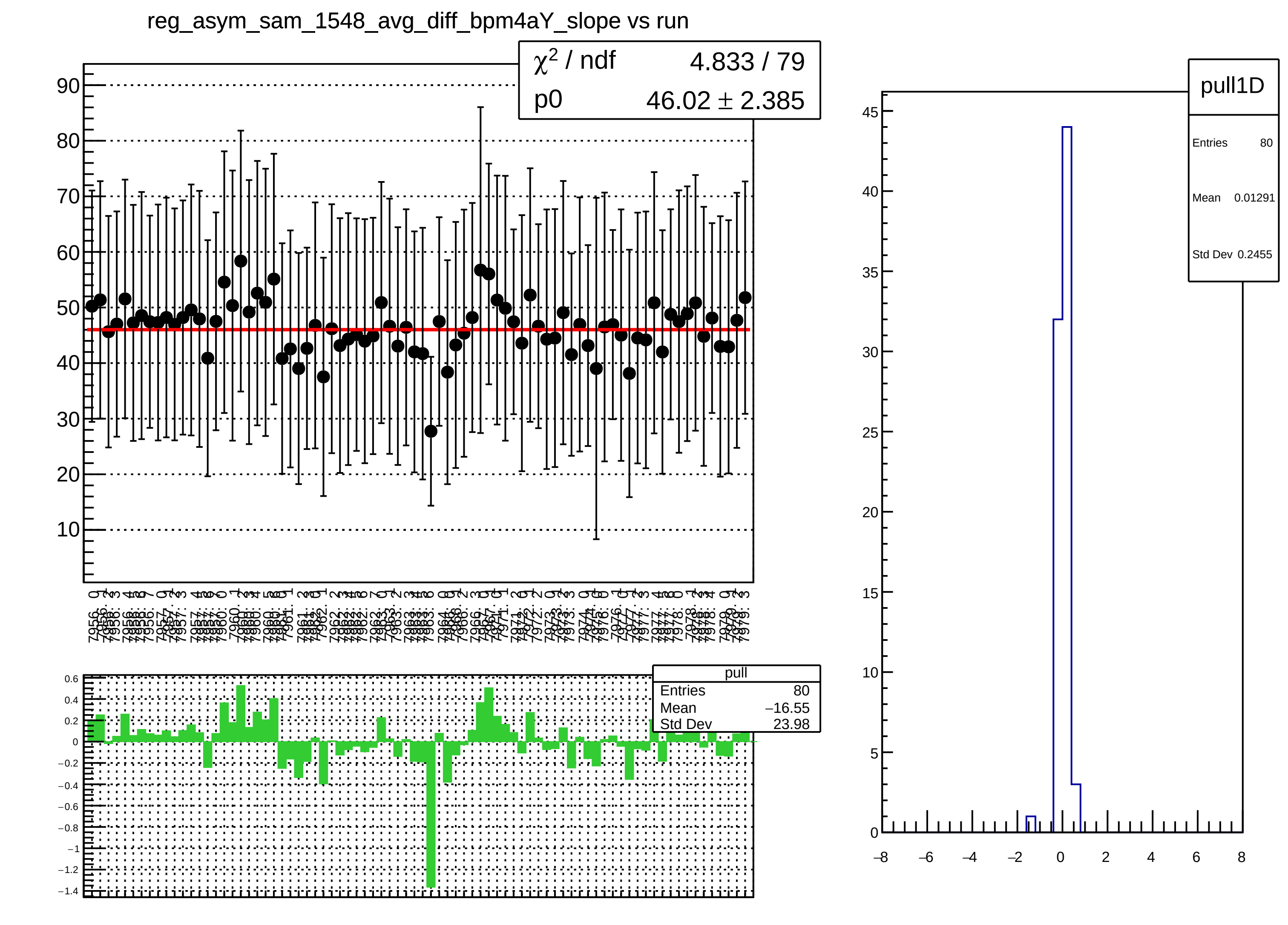

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.93 / 79
p0 −27.41 ± 1.067
pull
Entries 80
Mean −114.9
Std Dev 147.7
pull1D
Entries 80
Mean 0.04925
Std Dev 0.5994

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run



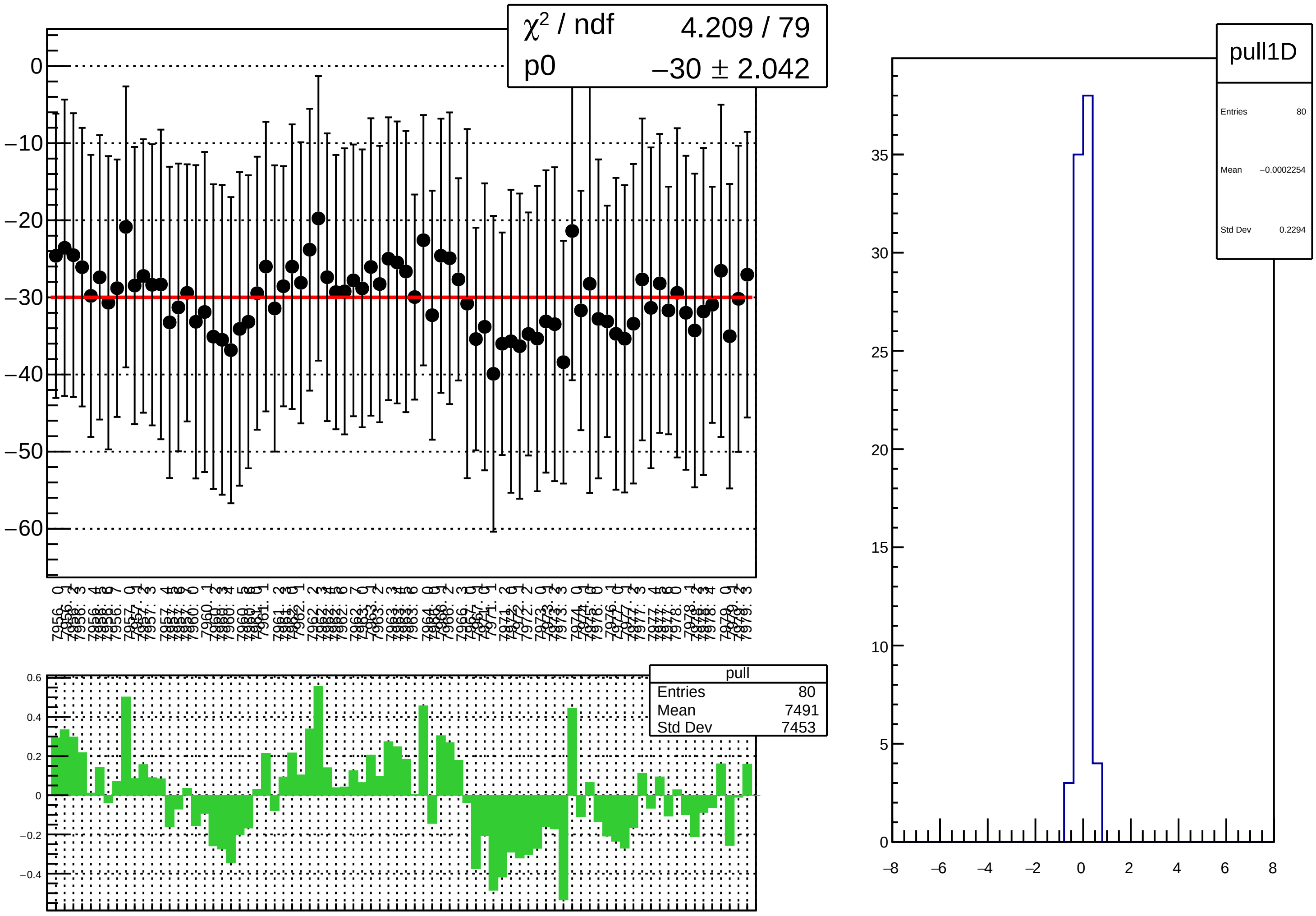


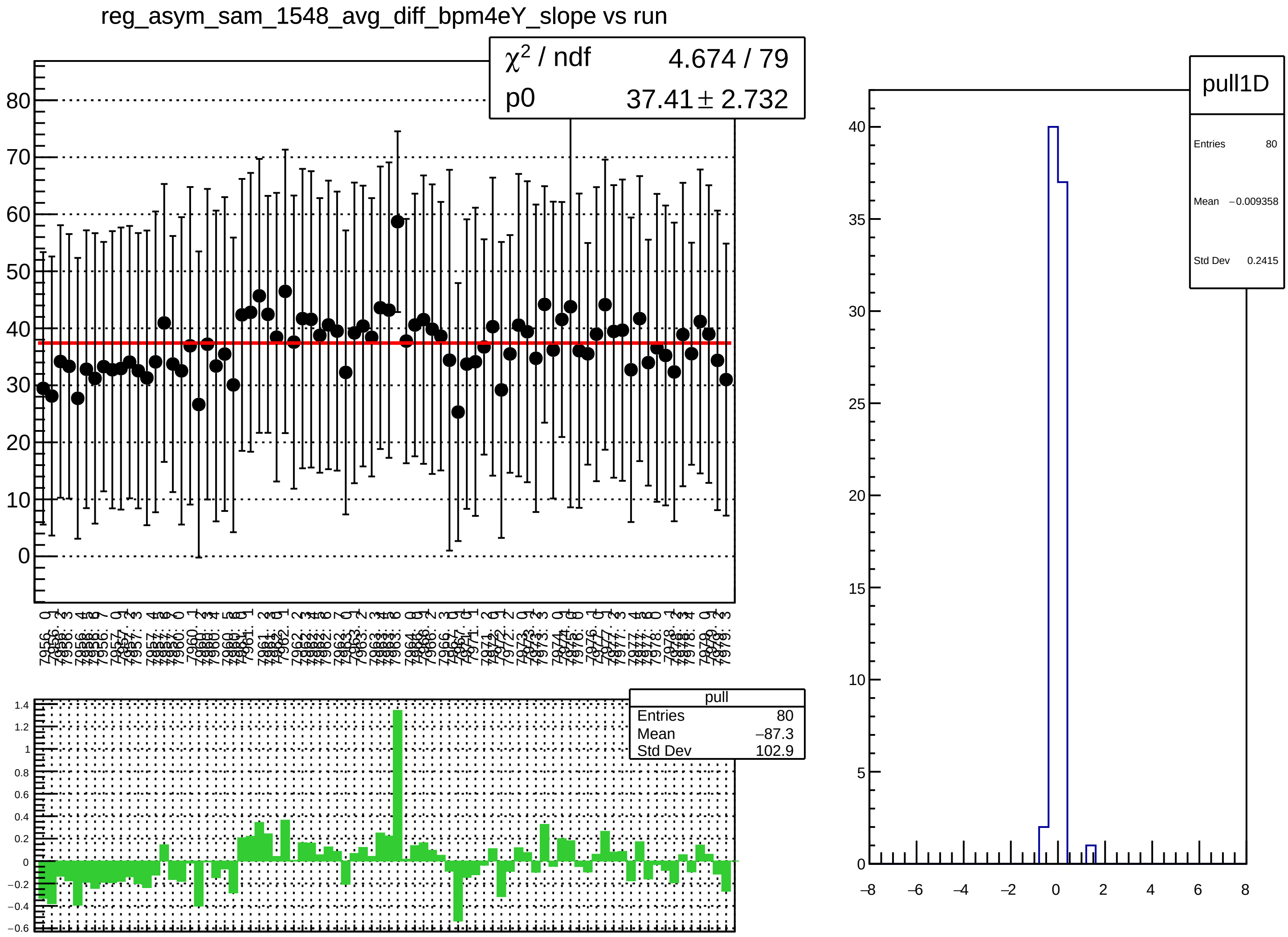
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ2 / ndf 6.993 / 79
p0 −35.82 ± 2.307
pull
Entries 80
Mean 12.91
Std Dev 78.4
pull1D
Entries 80
Mean −0.007154
Std Dev 0.2956



reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / 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

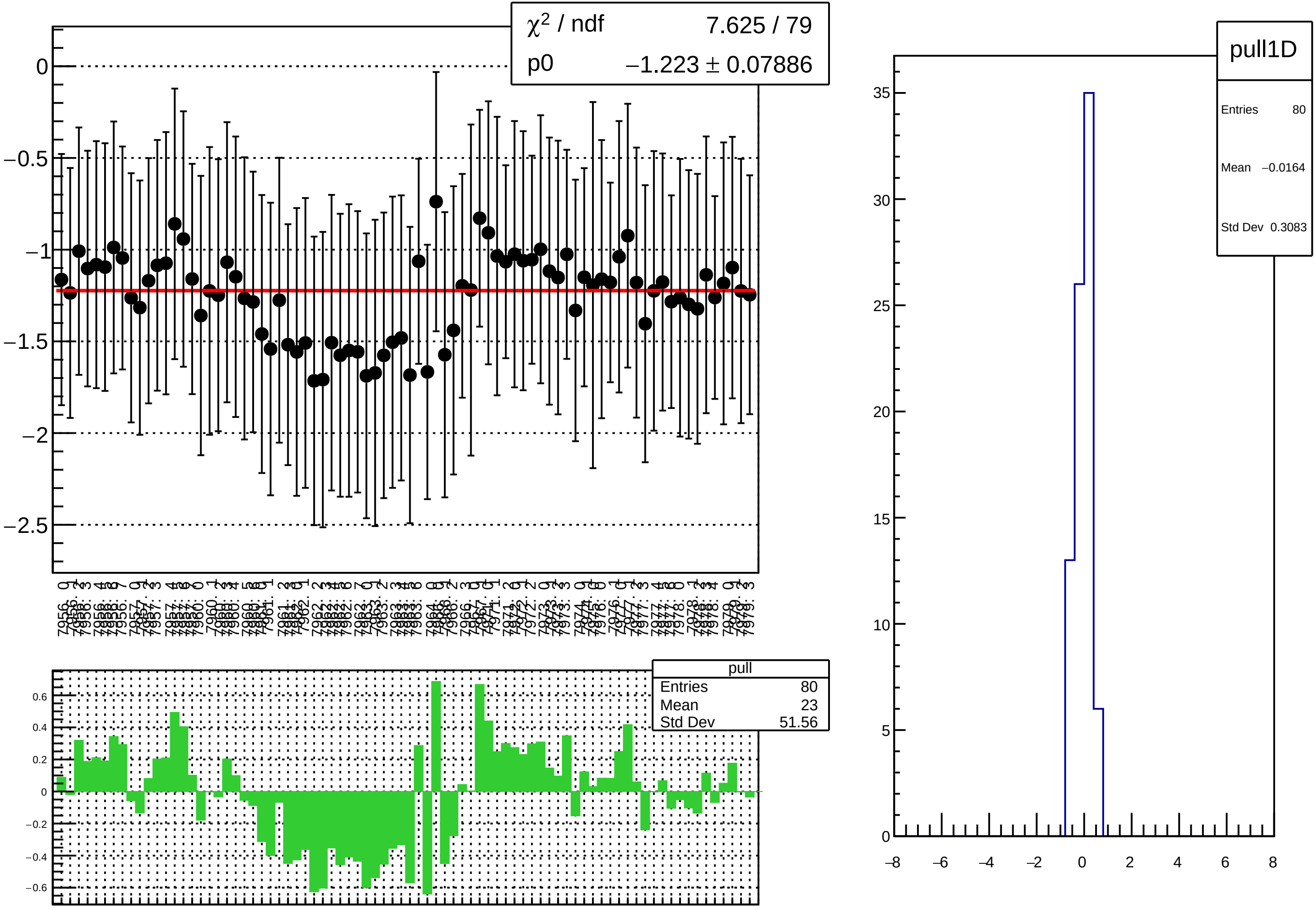
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run

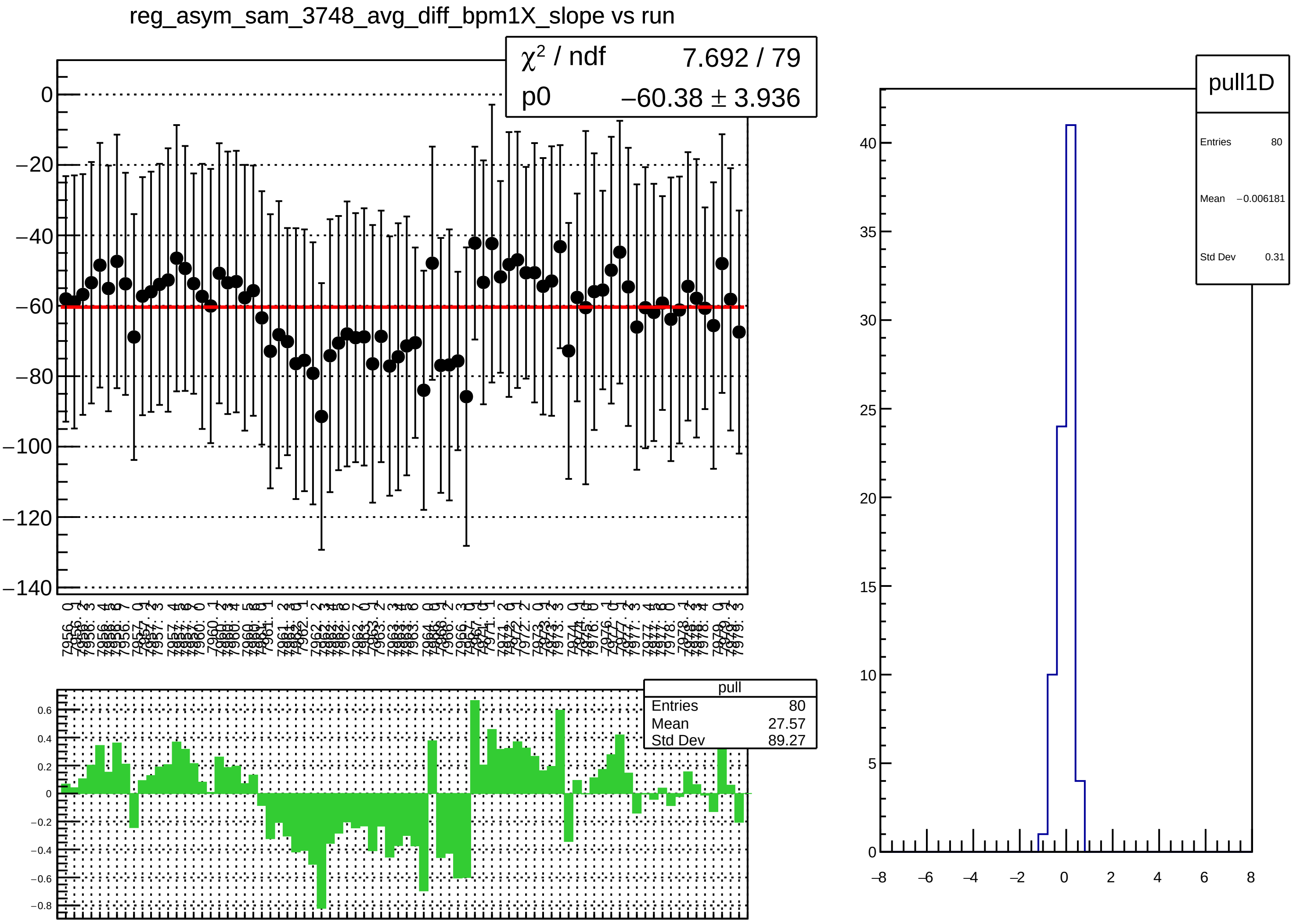




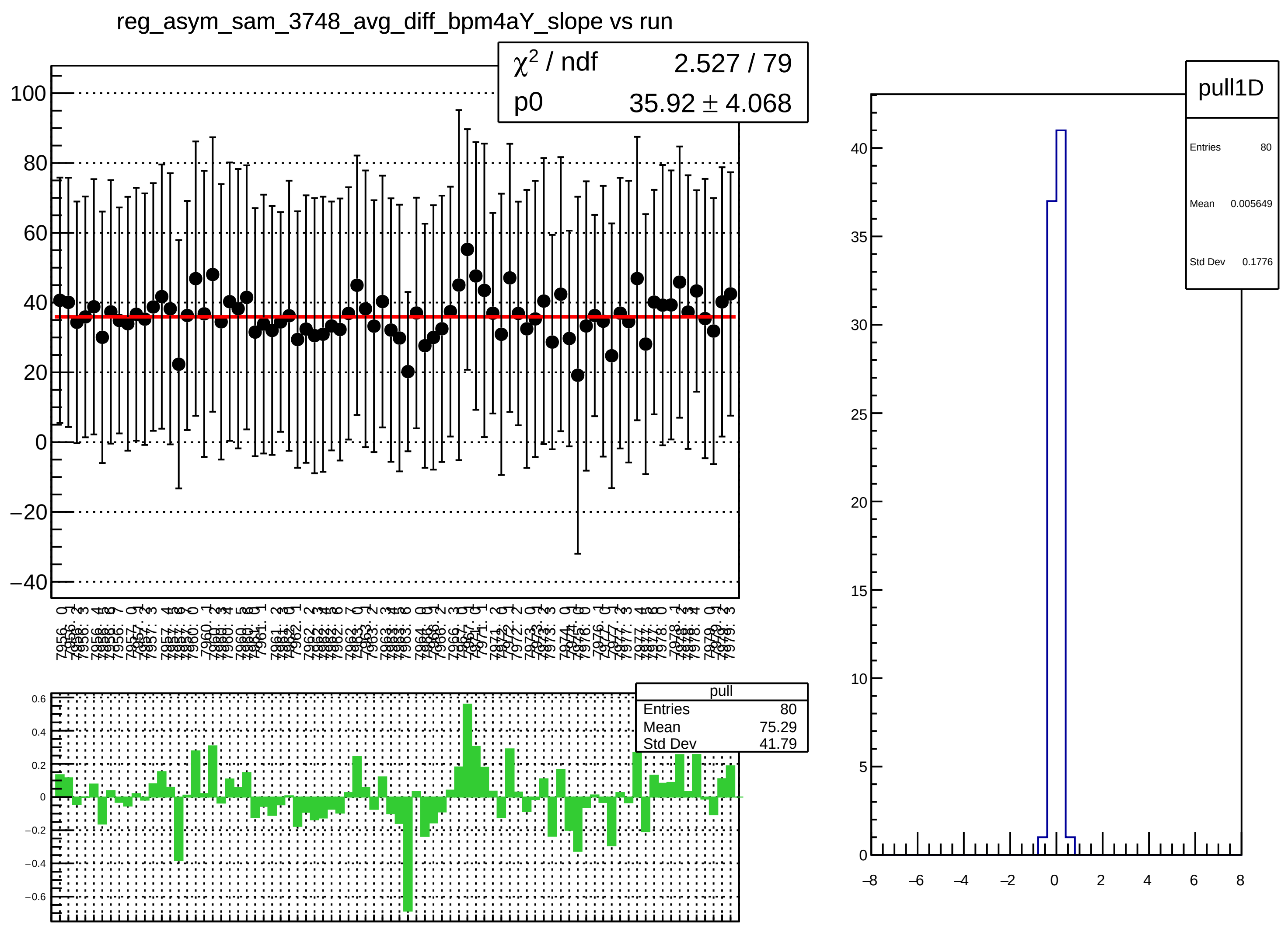
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.674 / 79
p0 37.41 ± 2.732
pull
Entries 80
Mean −87.3
Std Dev 102.9
pull1D
Entries 80
Mean −0.009358
Std Dev 0.2415

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run

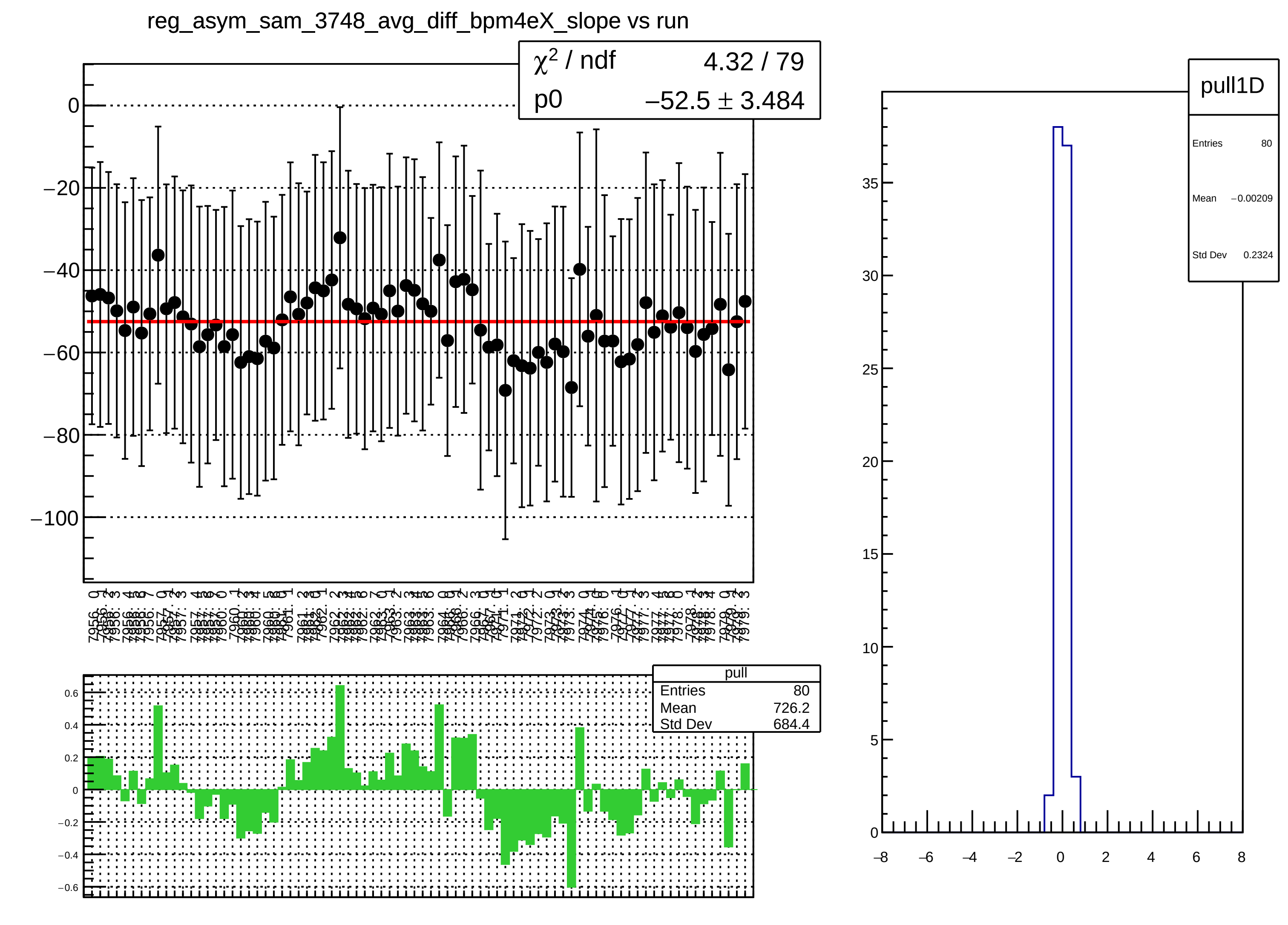




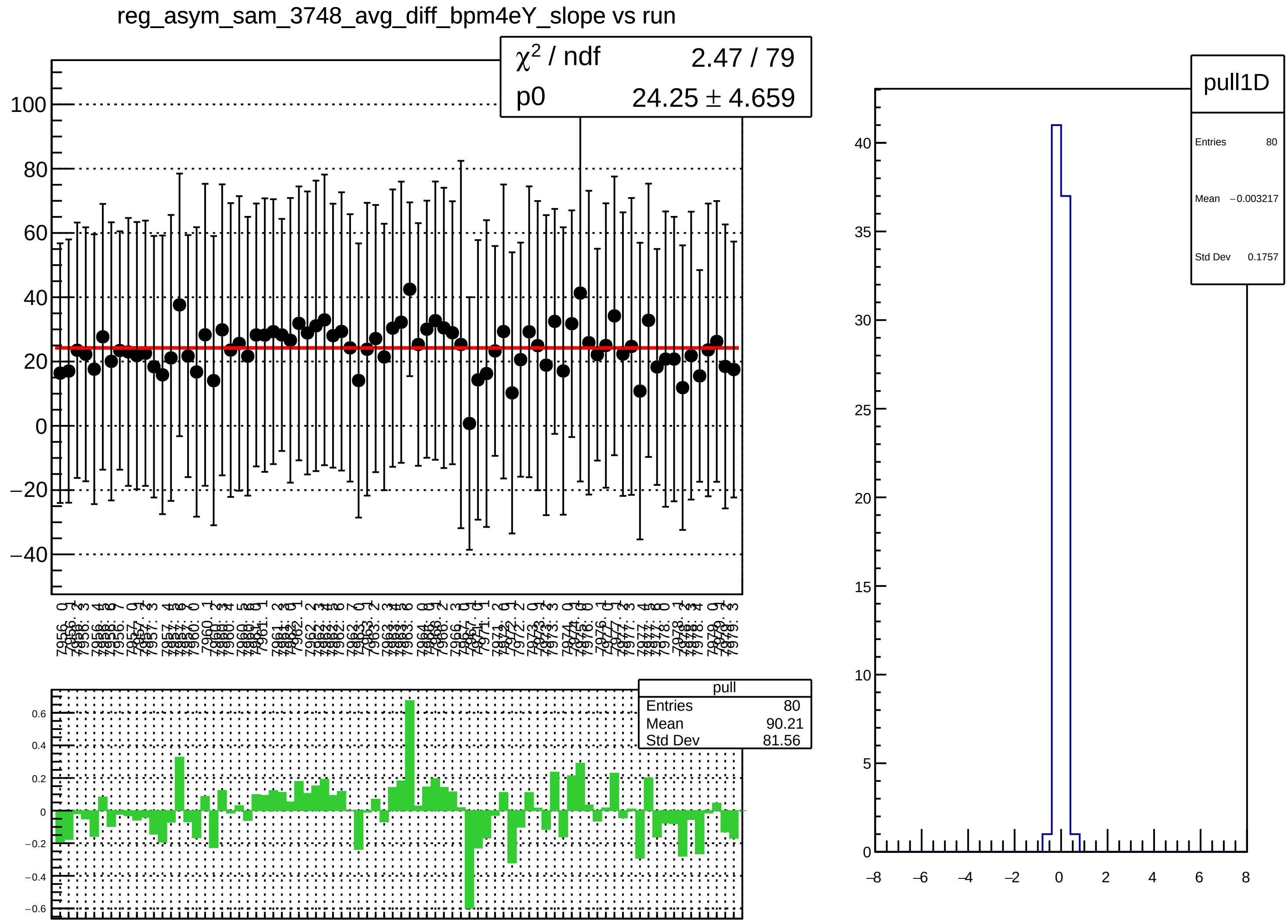
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 7.692 / 79
p0 −60.38 ± 3.936
pull
Entries 80
Mean 27.57
Std Dev 89.27
pull1D
Entries 80
Mean −0.006181
Std Dev 0.31



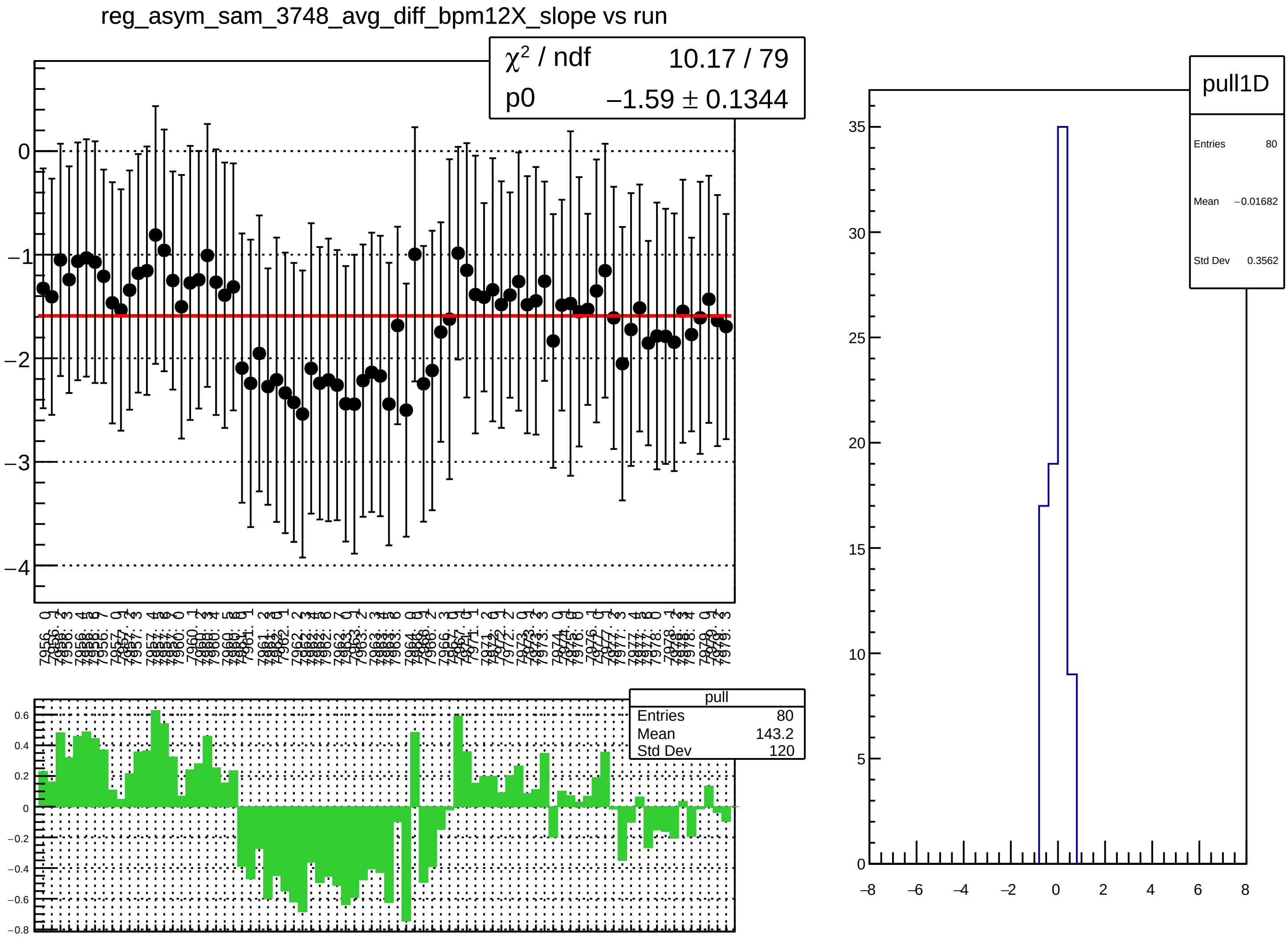
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.527 / 79
p0 35.92 ± 4.068
pull
Entries 80
Mean 75.29
Std Dev 41.79
pull1D
Entries 80
Mean 0.005649
Std Dev 0.1776

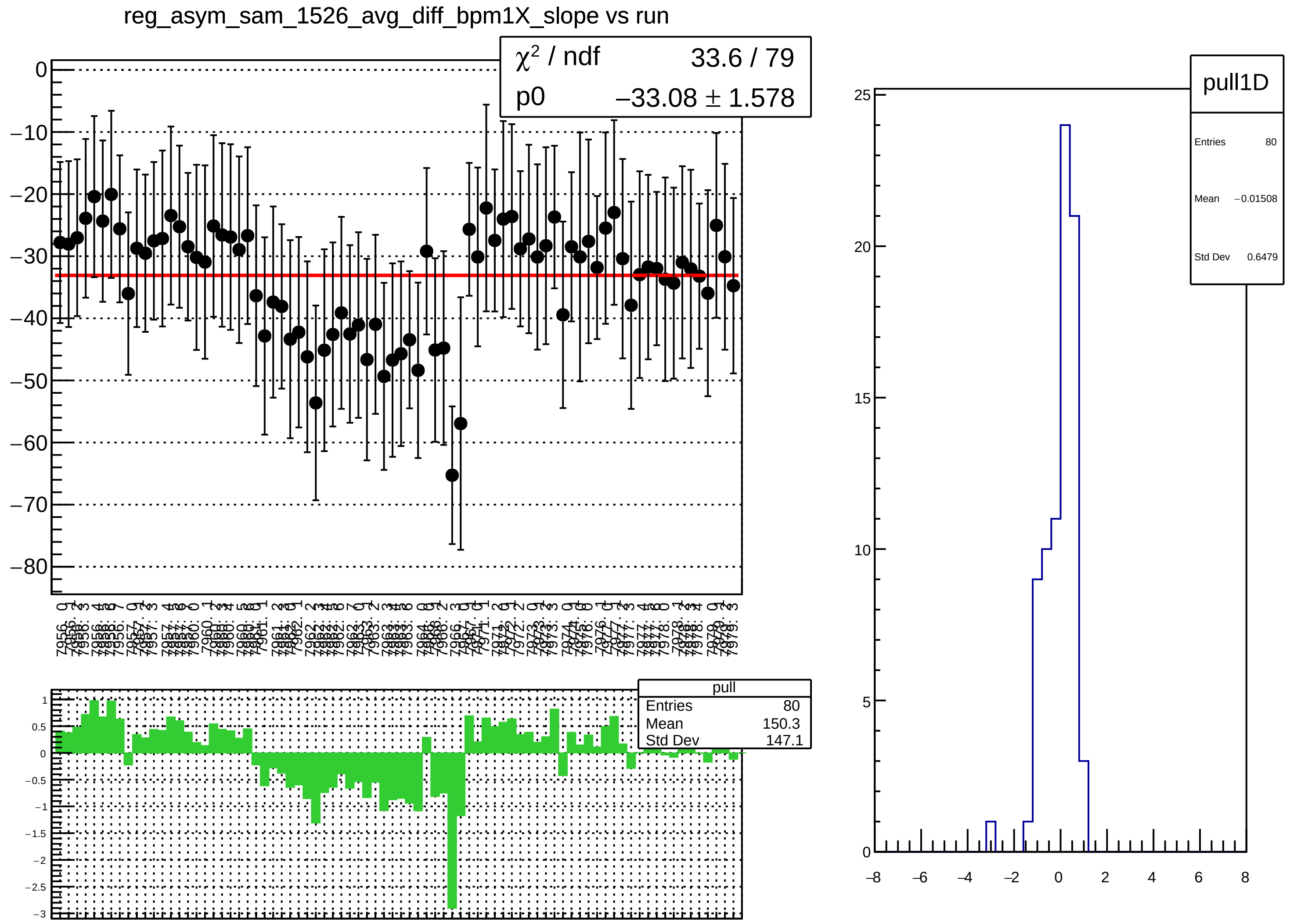


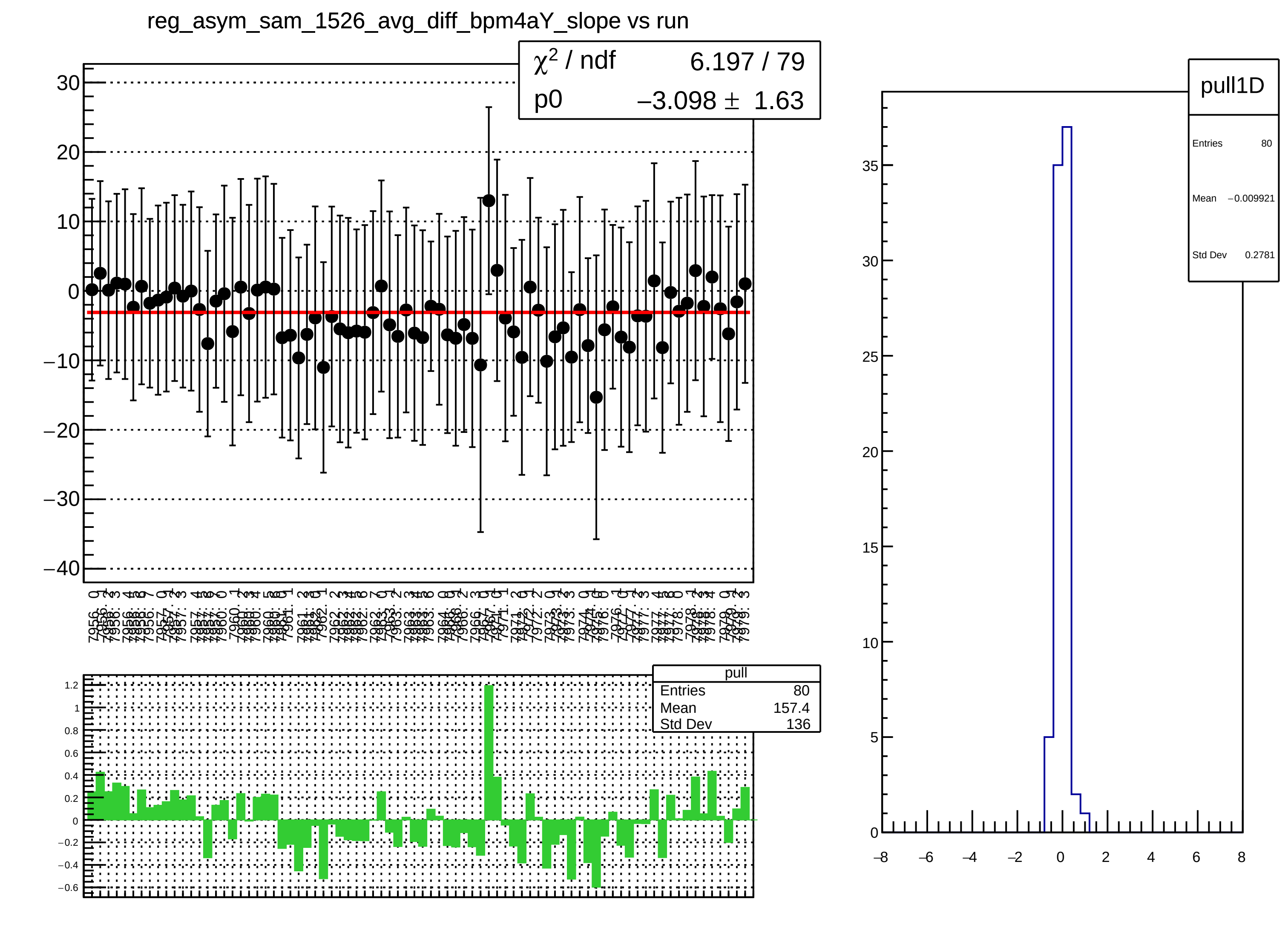
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 4.32 / 79
p0 −52.5 ± 3.484
pull
Entries 80
Mean 726.2
Std Dev 684.4
pull1D
Entries 80
Mean −0.00209
Std Dev 0.2324



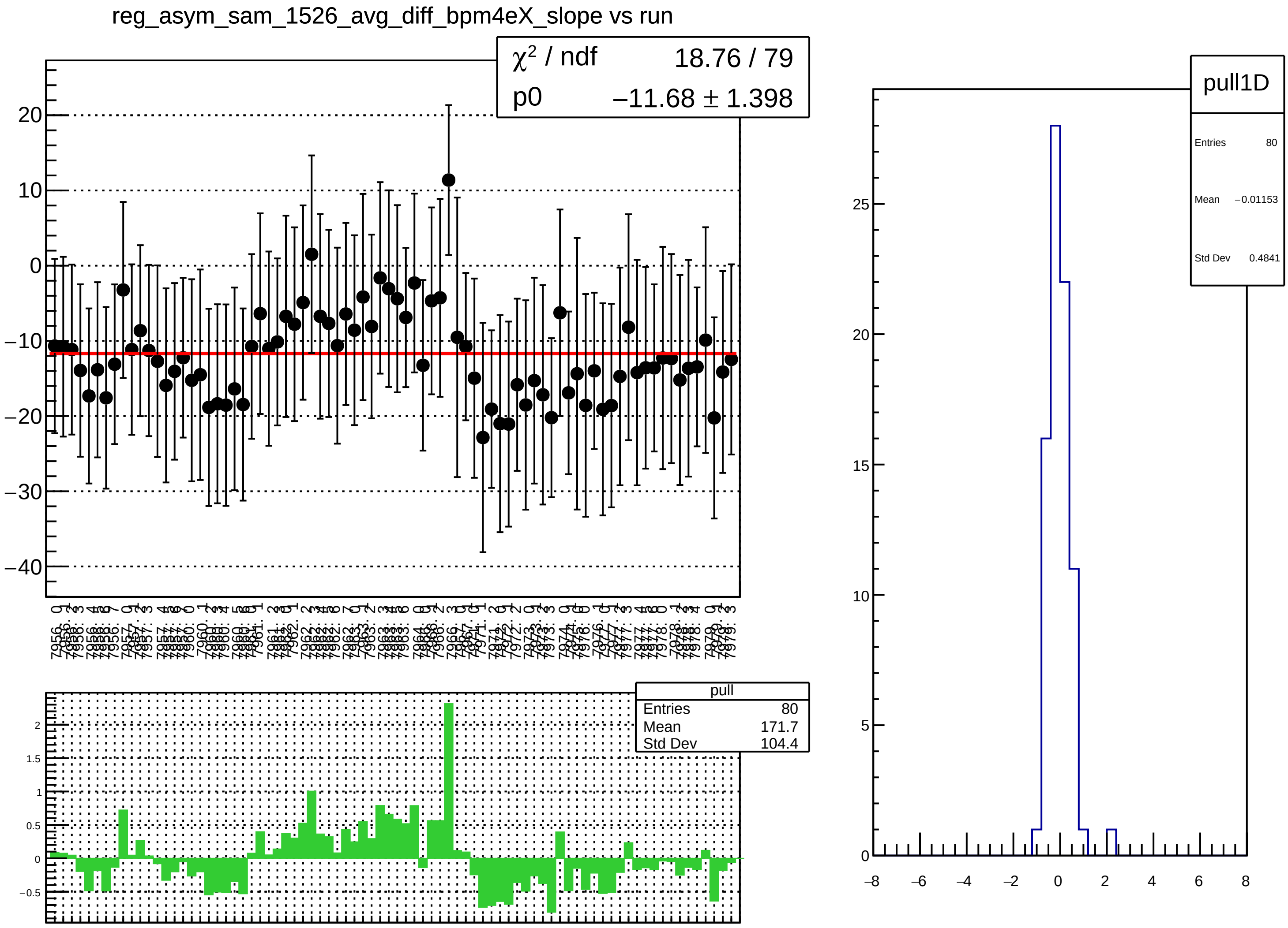
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.47 / 79
p0 24.25 ± 4.659
pull
Entries 80
Mean 90.21
Std Dev 81.56
pull1D
Entries 80
Mean −0.003217
Std Dev 0.1757


reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / 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

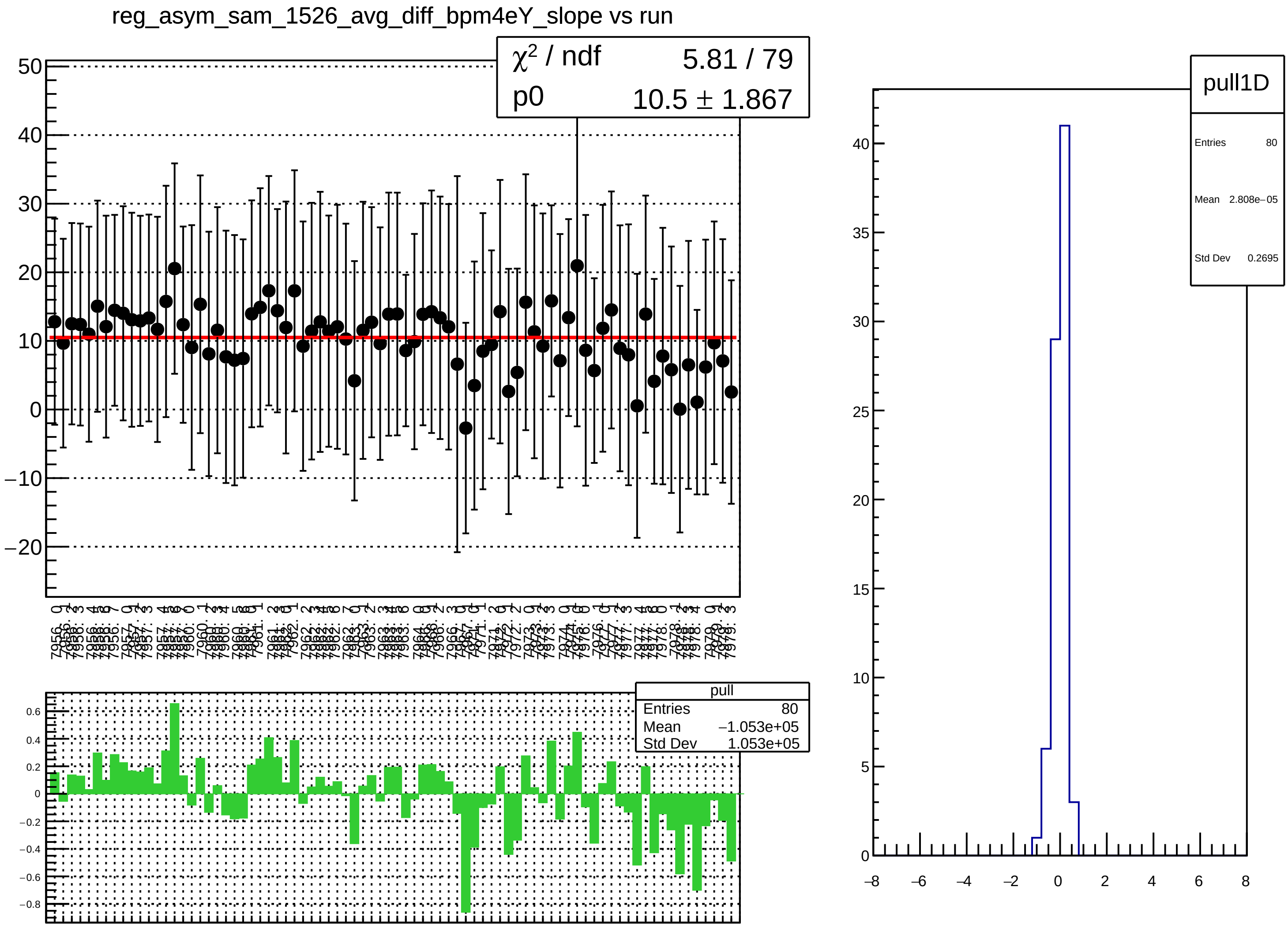

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 33.6 / 79
p0 −33.08 ± 1.578
pull
Entries 80
Mean 150.3
Std Dev 147.1
pull1D
Entries 80
Mean −0.01508
Std Dev 0.6479



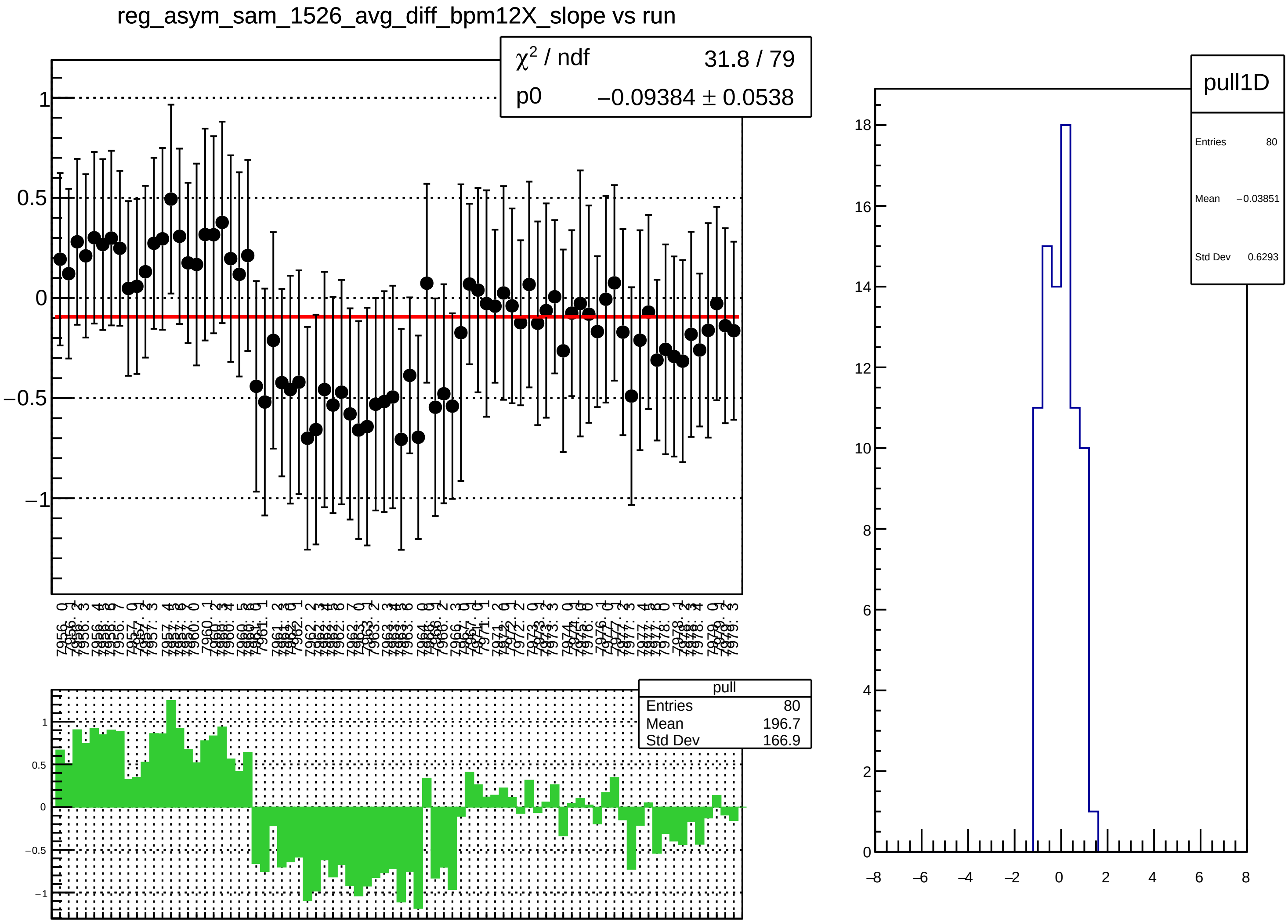
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.197 / 79
p0 −3.098 ± 1.63
pull
Entries 80
Mean 157.4
Std Dev 136
pull1D
Entries 80
Mean −0.009921
Std Dev 0.2781



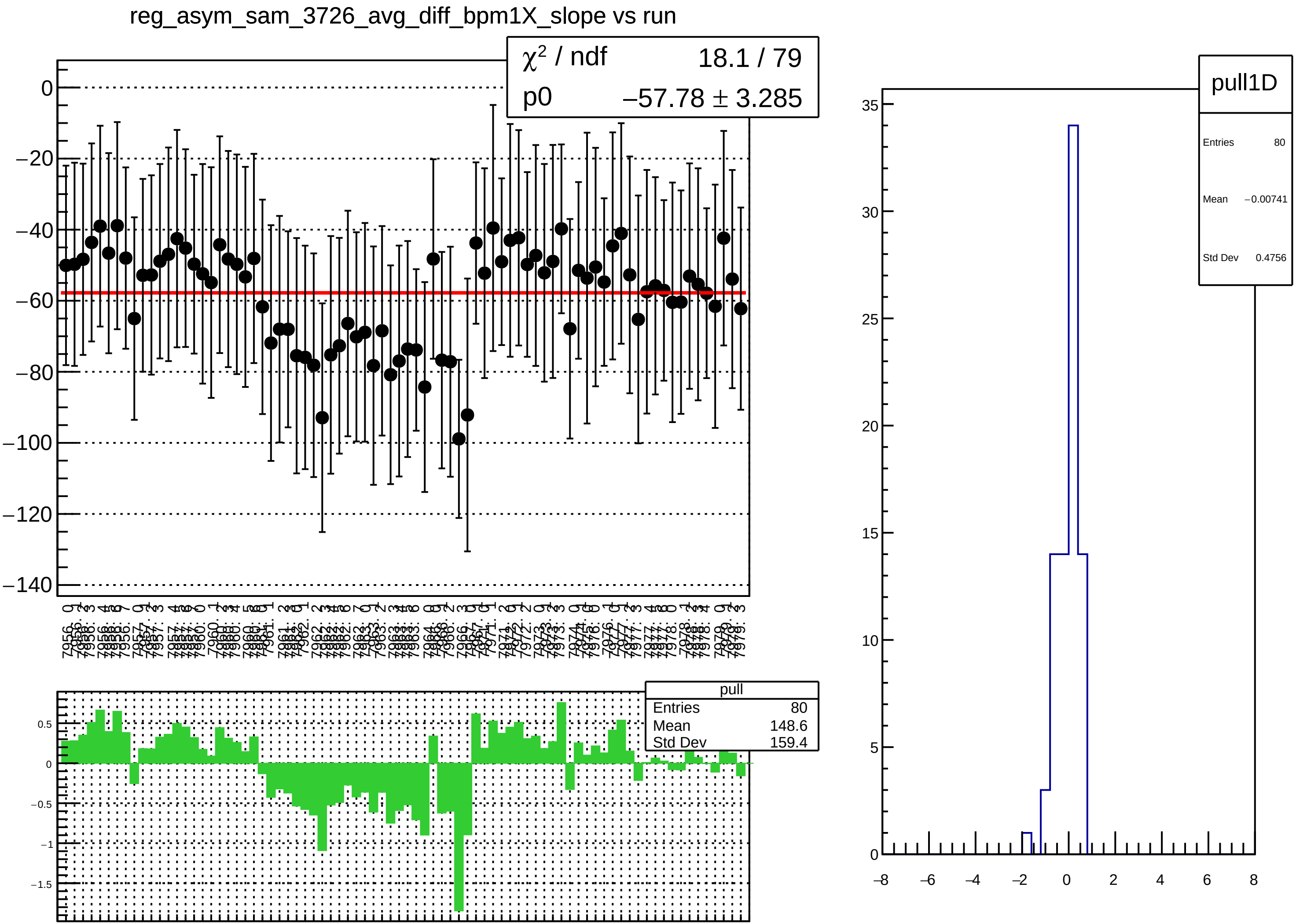
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 18.76 / 79
p0 −11.68 ± 1.398
pull
Entries 80
Mean 171.7
Std Dev 104.4
pull1D
Entries 80
Mean −0.01153
Std Dev 0.4841

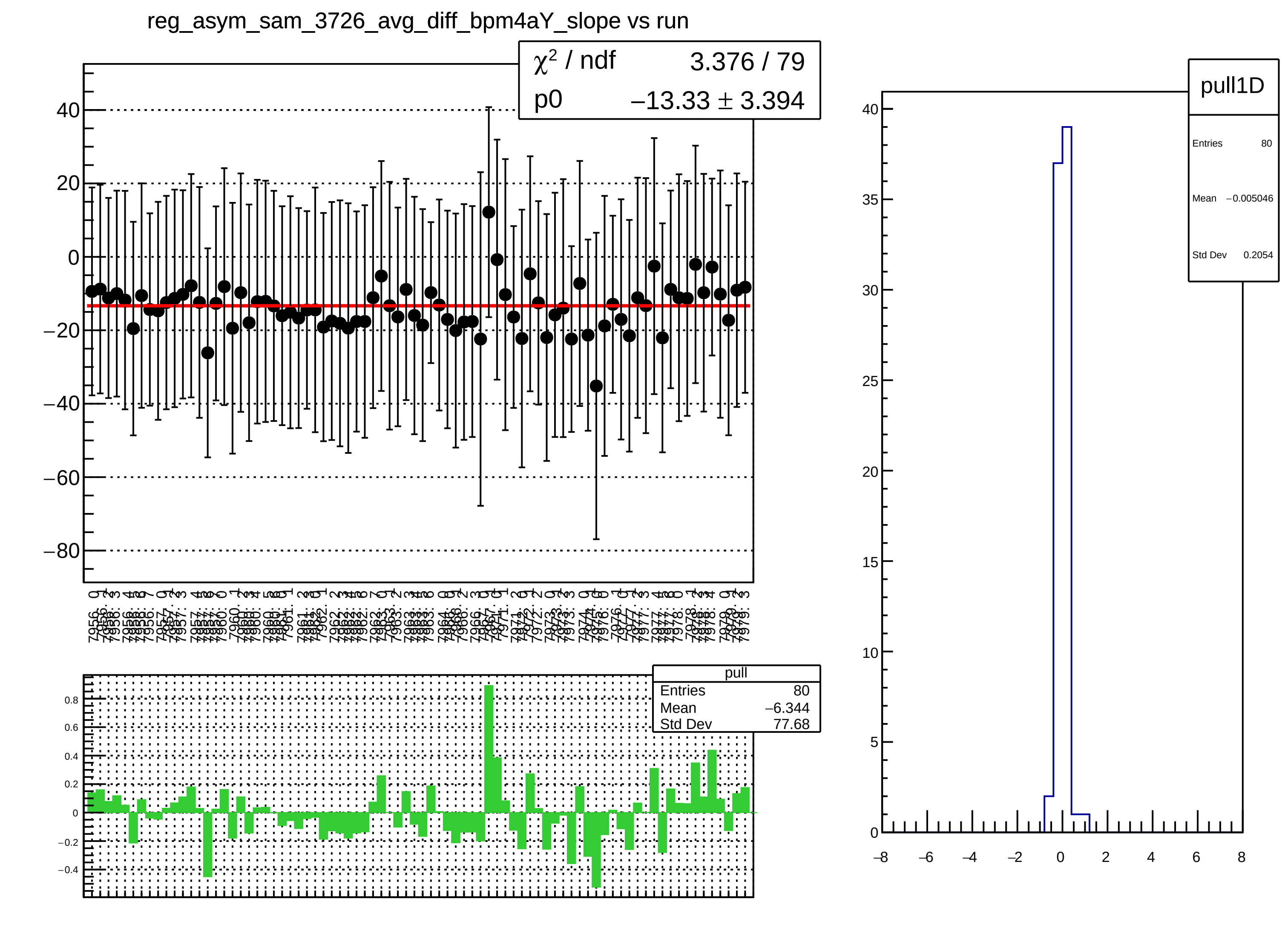


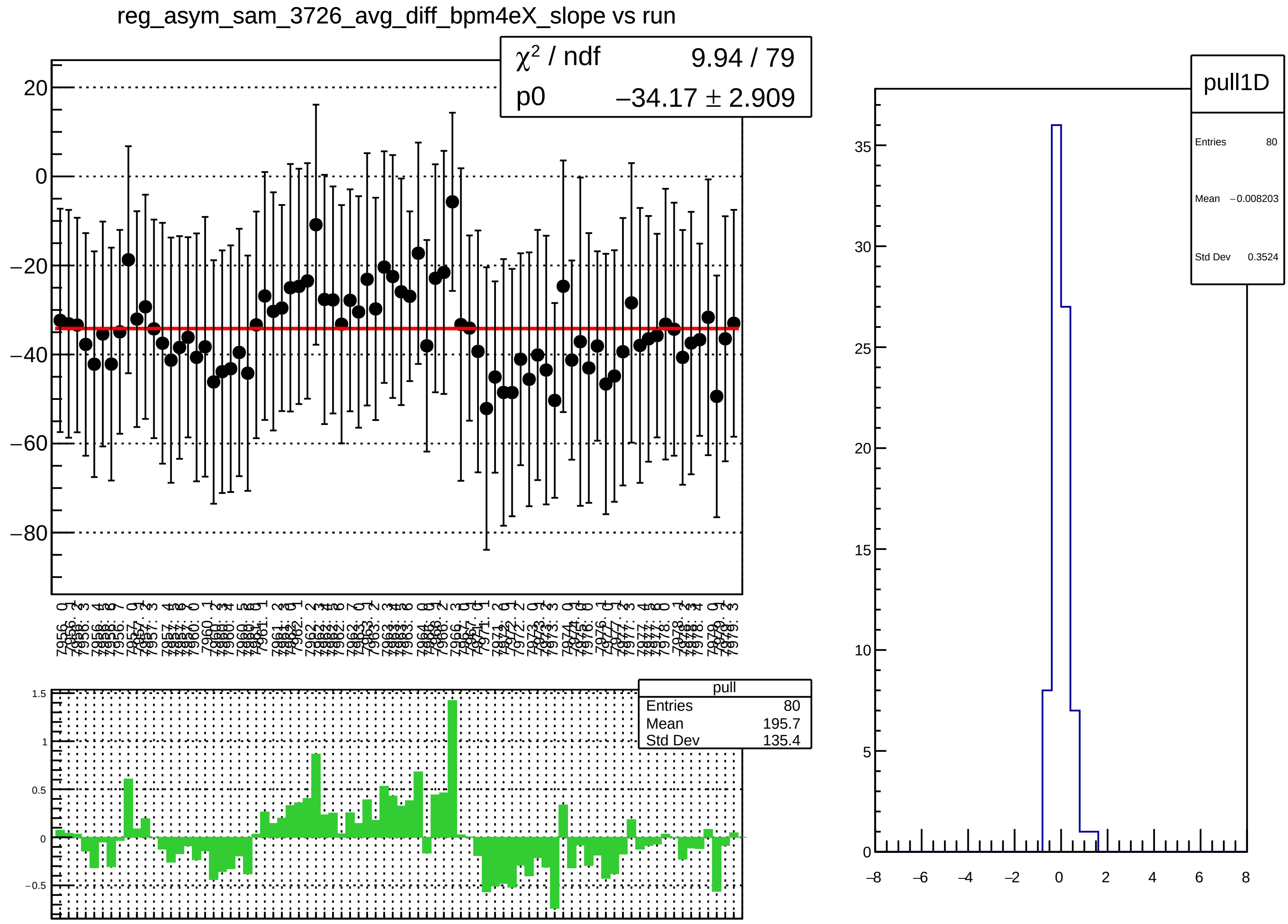
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.81 / 79
p0 10.5 ± 1.867
pull
Entries 80
Mean −1.053e+05
Std Dev 1.053e+05
pull1D
Entries 80
Mean 2.808e−05
Std Dev 0.2695

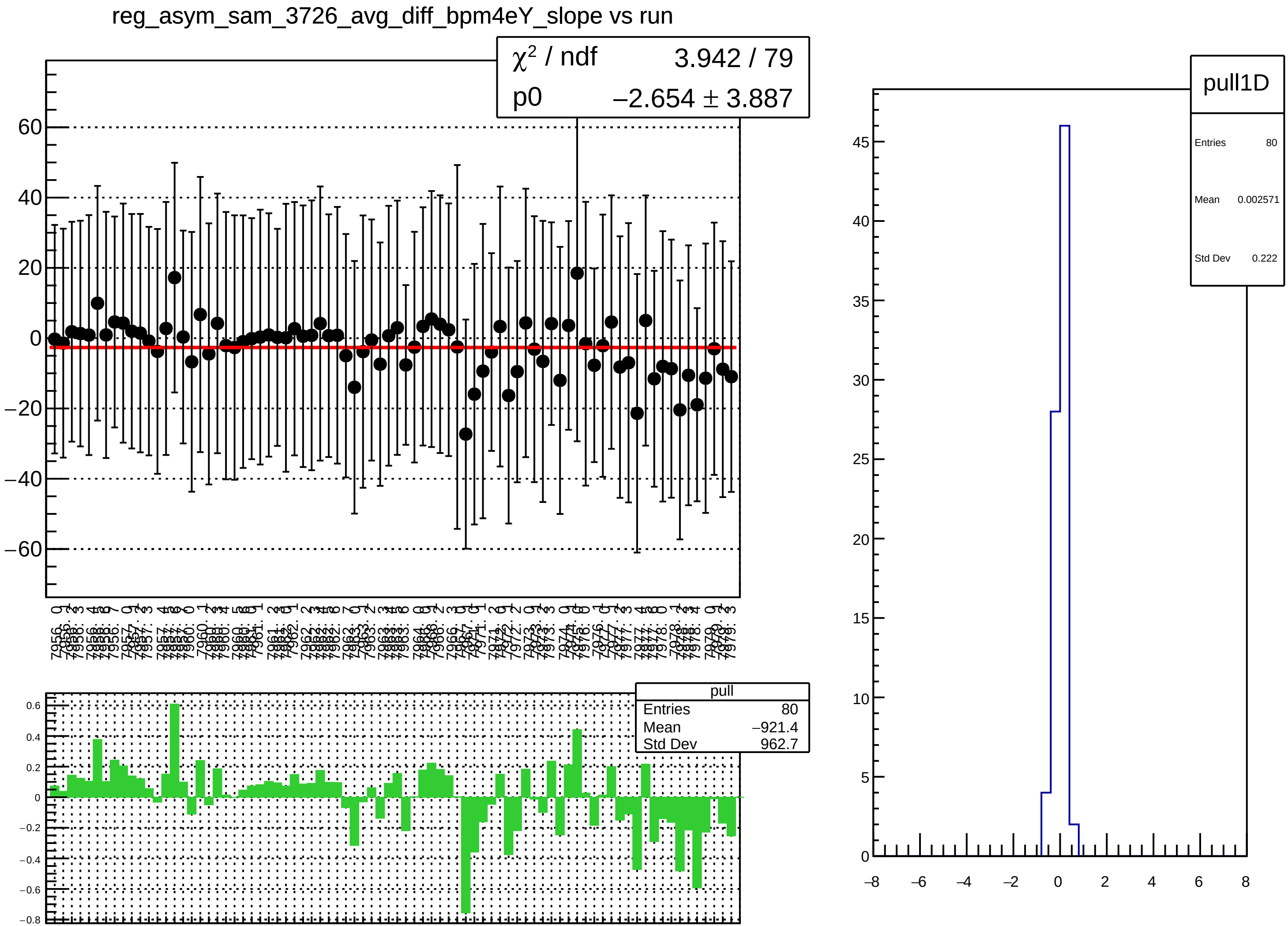


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.8 / 79
p0 −0.09384 ± 0.0538
pull
Entries 80
Mean 196.7
Std Dev 166.9
pull1D
Entries 80
Mean −0.03851
Std Dev 0.6293

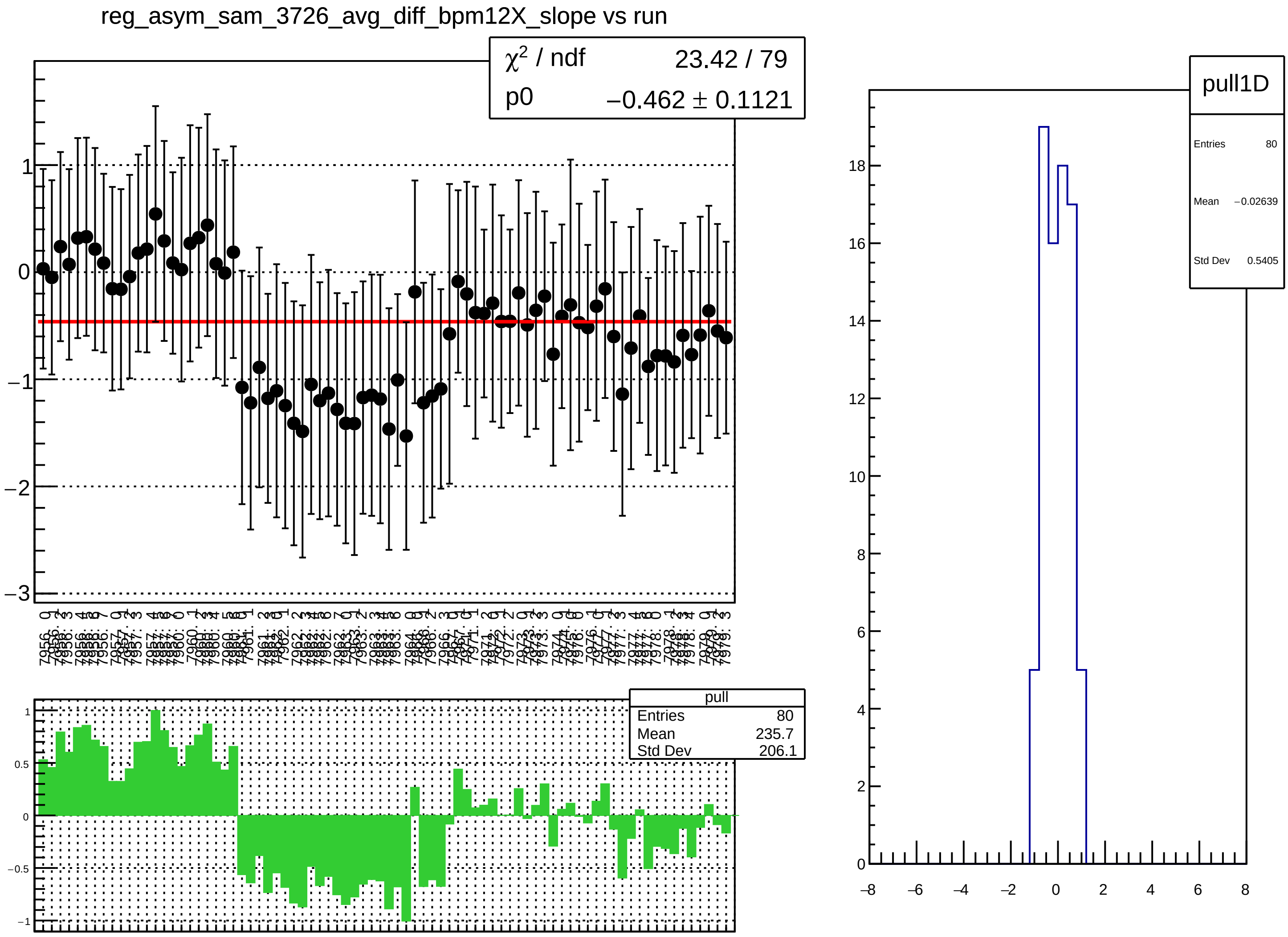

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 18.1 / 79
p0 −57.78 ± 3.285
pull
Entries 80
Mean 148.6
Std Dev 159.4
pull1D
Entries 80
Mean −0.00741
Std Dev 0.4756


reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / 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

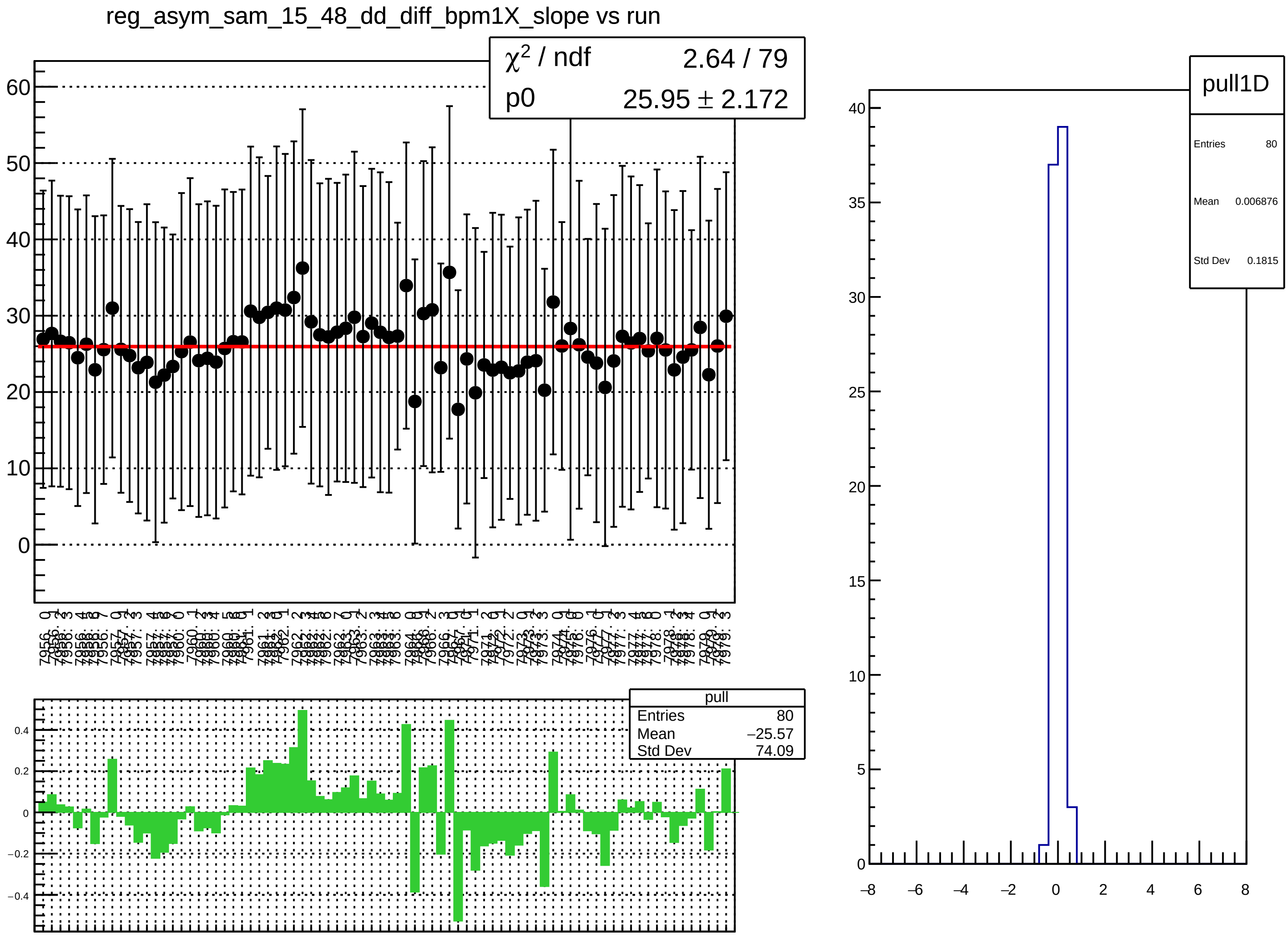

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.94 / 79
p0 −34.17 ± 2.909
pull
Entries 80
Mean 195.7
Std Dev 135.4
pull1D
Entries 80
Mean −0.008203
Std Dev 0.3524



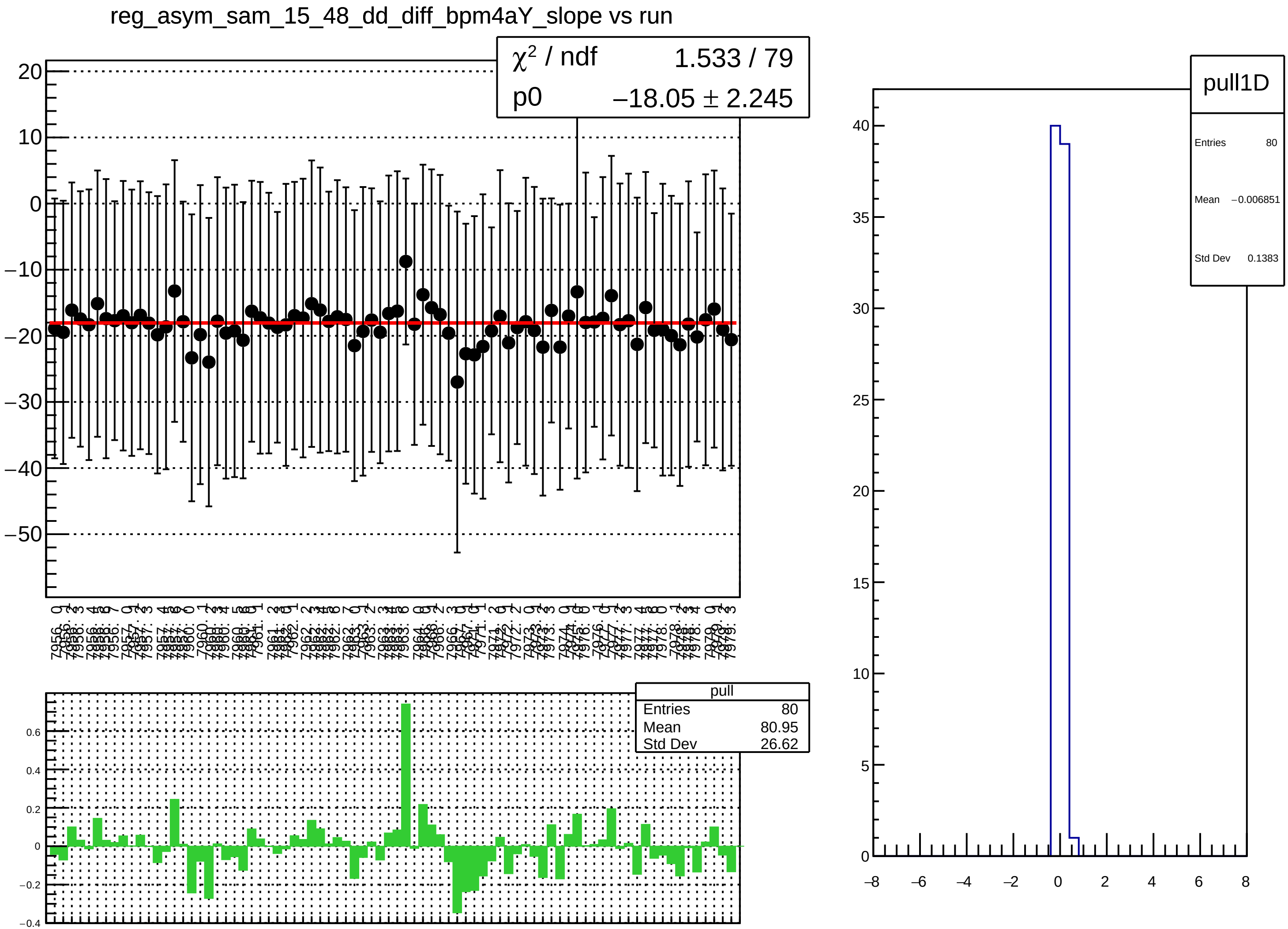
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ2 / ndf 3.942 / 79
p0 −2.654 ± 3.887
pull
Entries 80
Mean −921.4
Std Dev 962.7
pull1D
Entries 80
Mean 0.002571
Std Dev 0.222



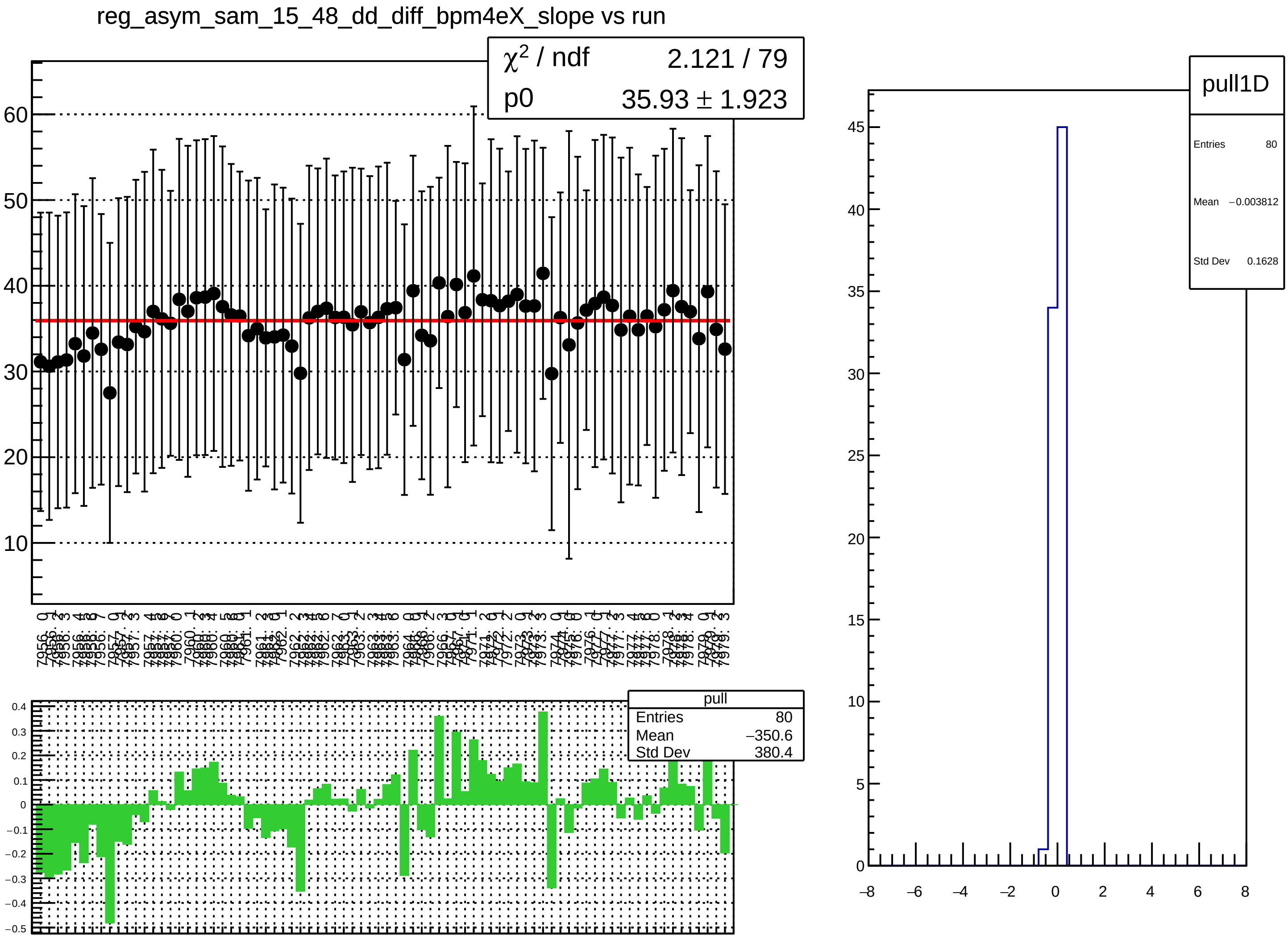
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 23.42 / 79
p0 −0.462 ± 0.1121
pull
Entries 80
Mean 235.7
Std Dev 206.1
pull1D
Entries 80
Mean −0.02639
Std Dev 0.5405



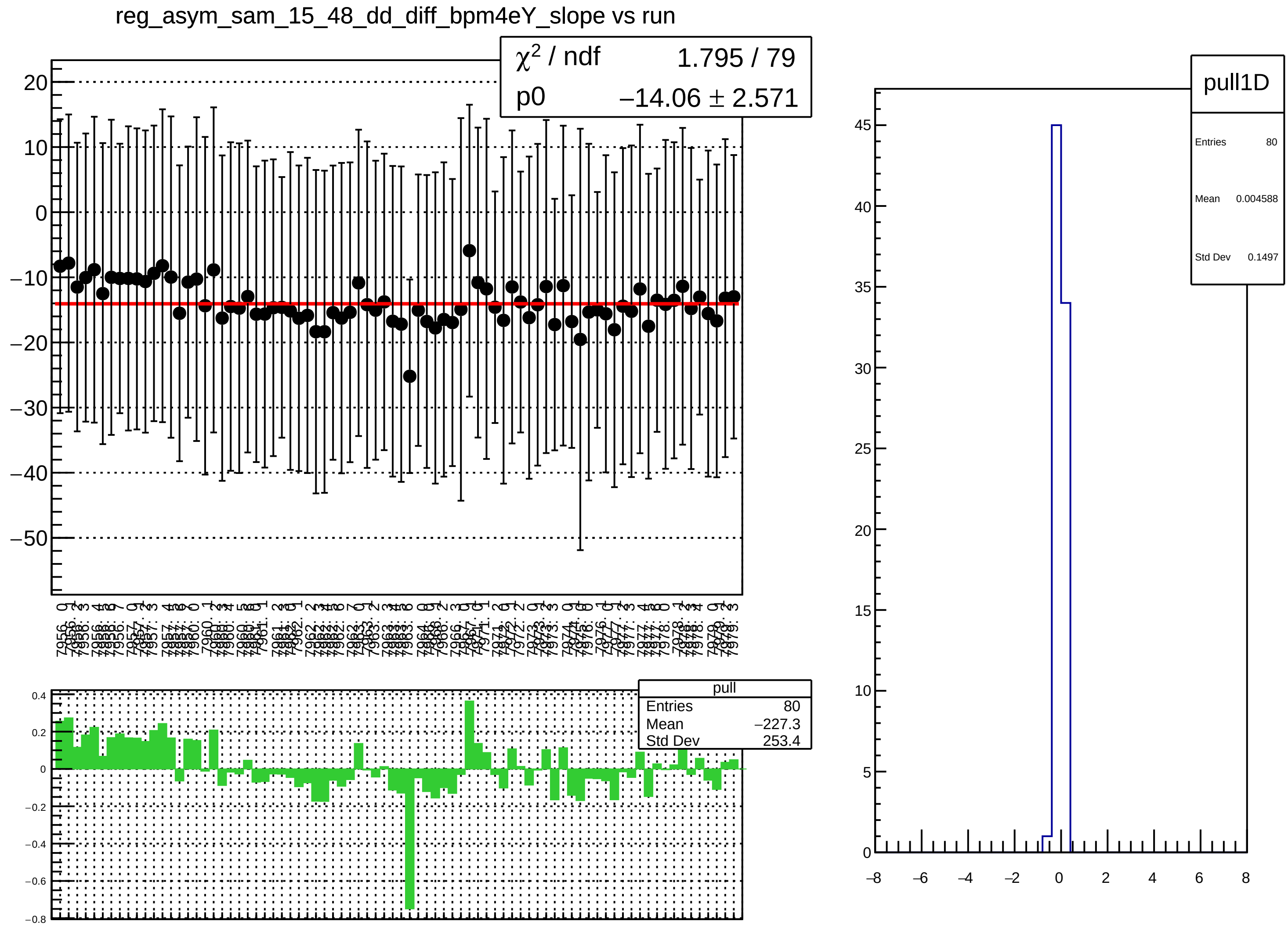
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 2.64 / 79
p0 25.95 ± 2.172
pull
Entries 80
Mean −25.57
Std Dev 74.09
pull1D
Entries 80
Mean 0.006876
Std Dev 0.1815



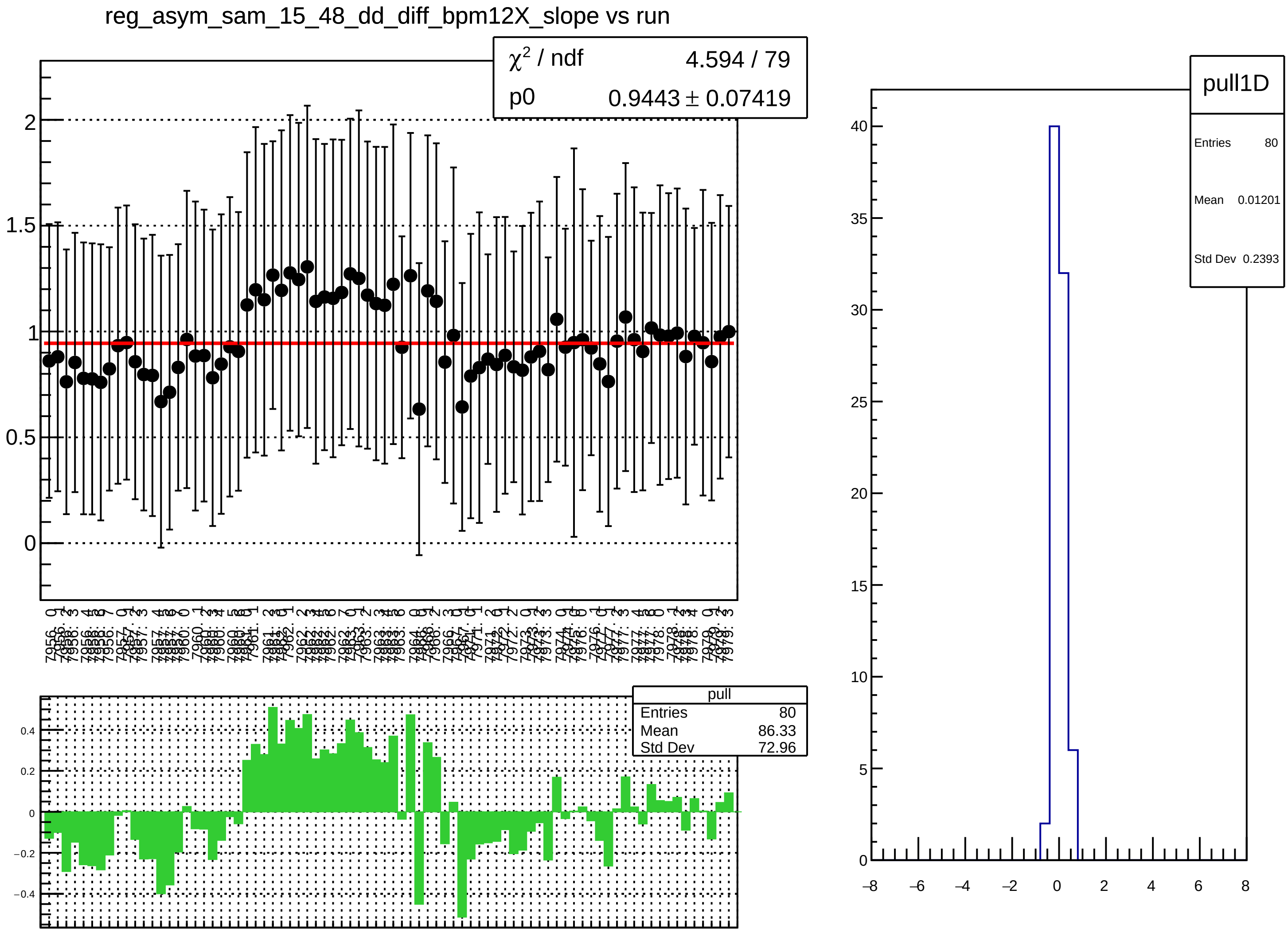
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.533 / 79
p0 −18.05 ± 2.245
pull
Entries 80
Mean 80.95
Std Dev 26.62
pull1D
Entries 80
Mean −0.006851
Std Dev 0.1383

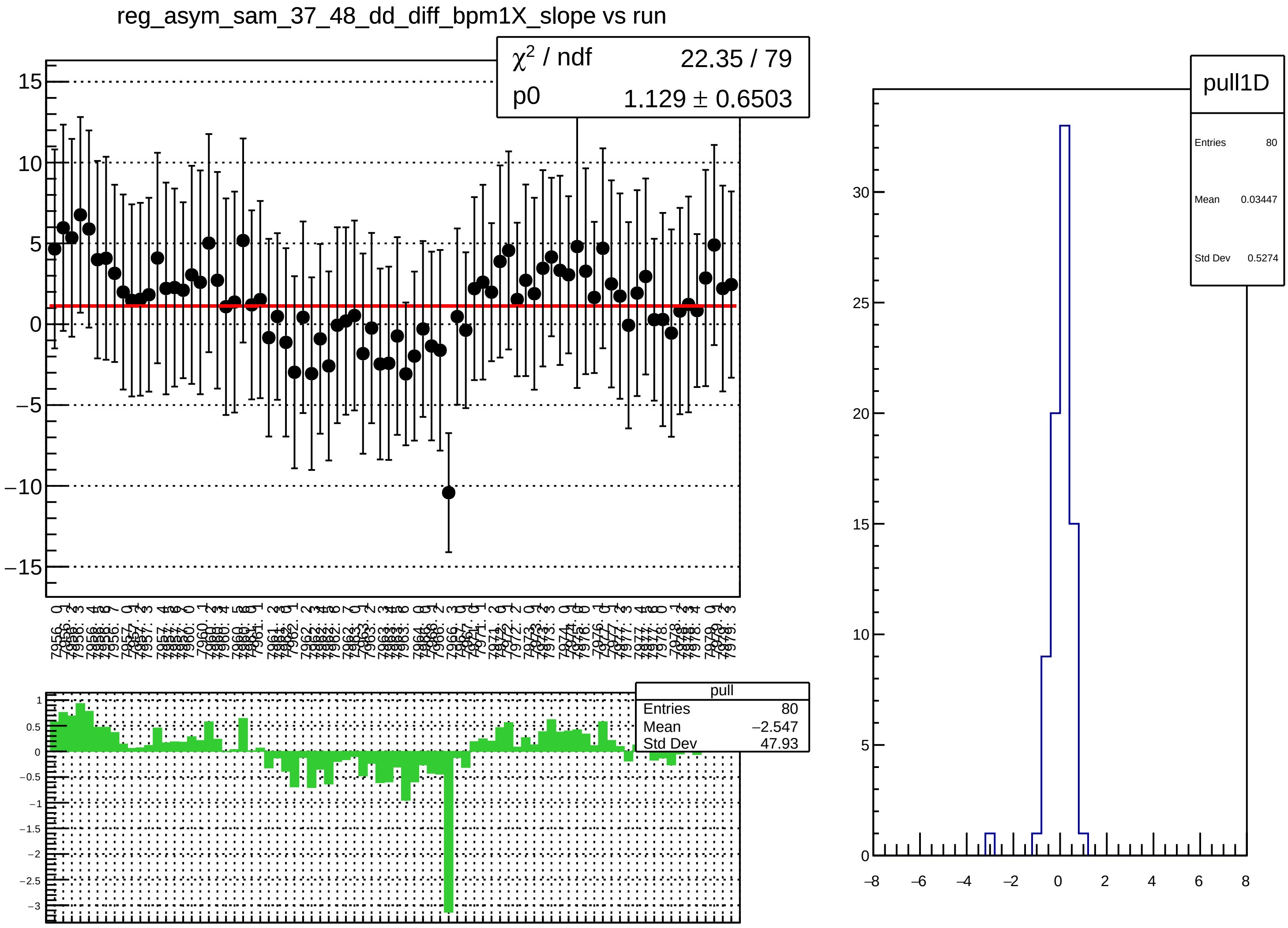


reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.121 / 79
p0 35.93 ± 1.923
pull
Entries 80
Mean −350.6
Std Dev 380.4
pull1D
Entries 80
Mean −0.003812
Std Dev 0.1628

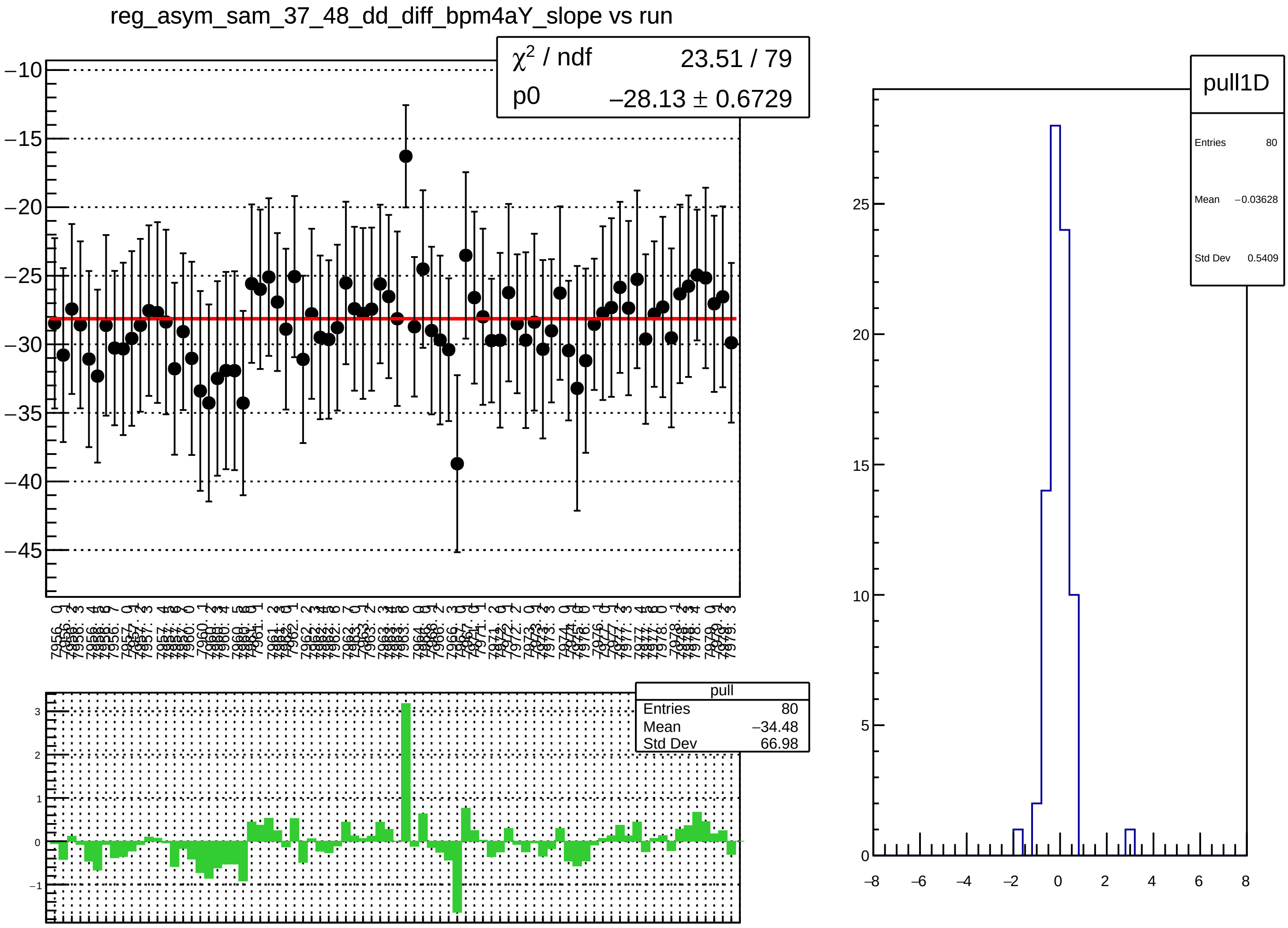


reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.795 / 79
p0 −14.06 ± 2.571
pull
Entries 80
Mean −227.3
Std Dev 253.4
pull1D
Entries 80
Mean 0.004588
Std Dev 0.1497

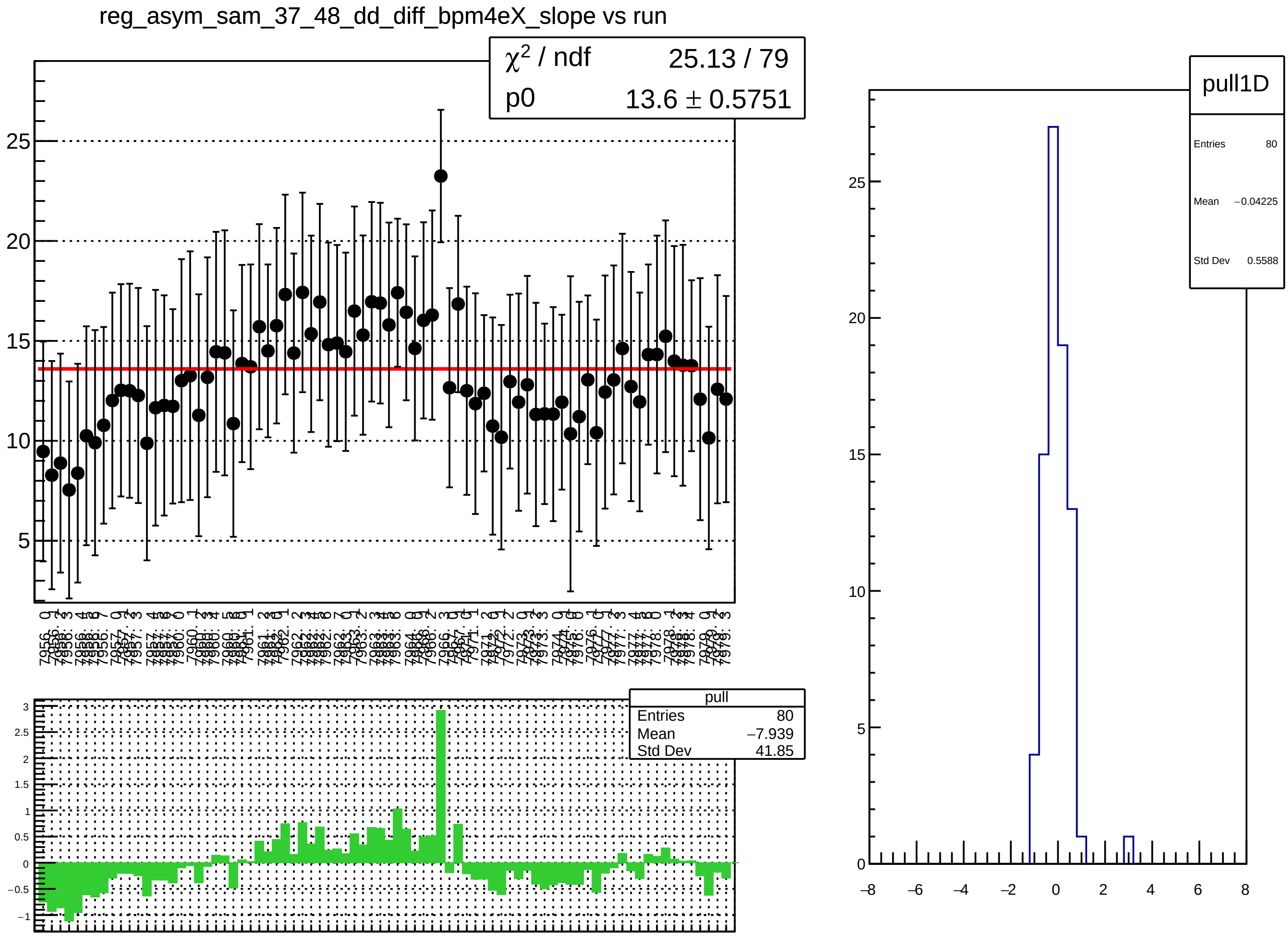

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.594 / 79
p0 0.9443 ± 0.07419
pull
Entries 80
Mean 86.33
Std Dev 72.96
pull1D
Entries 80
Mean 0.01201
Std Dev 0.2393



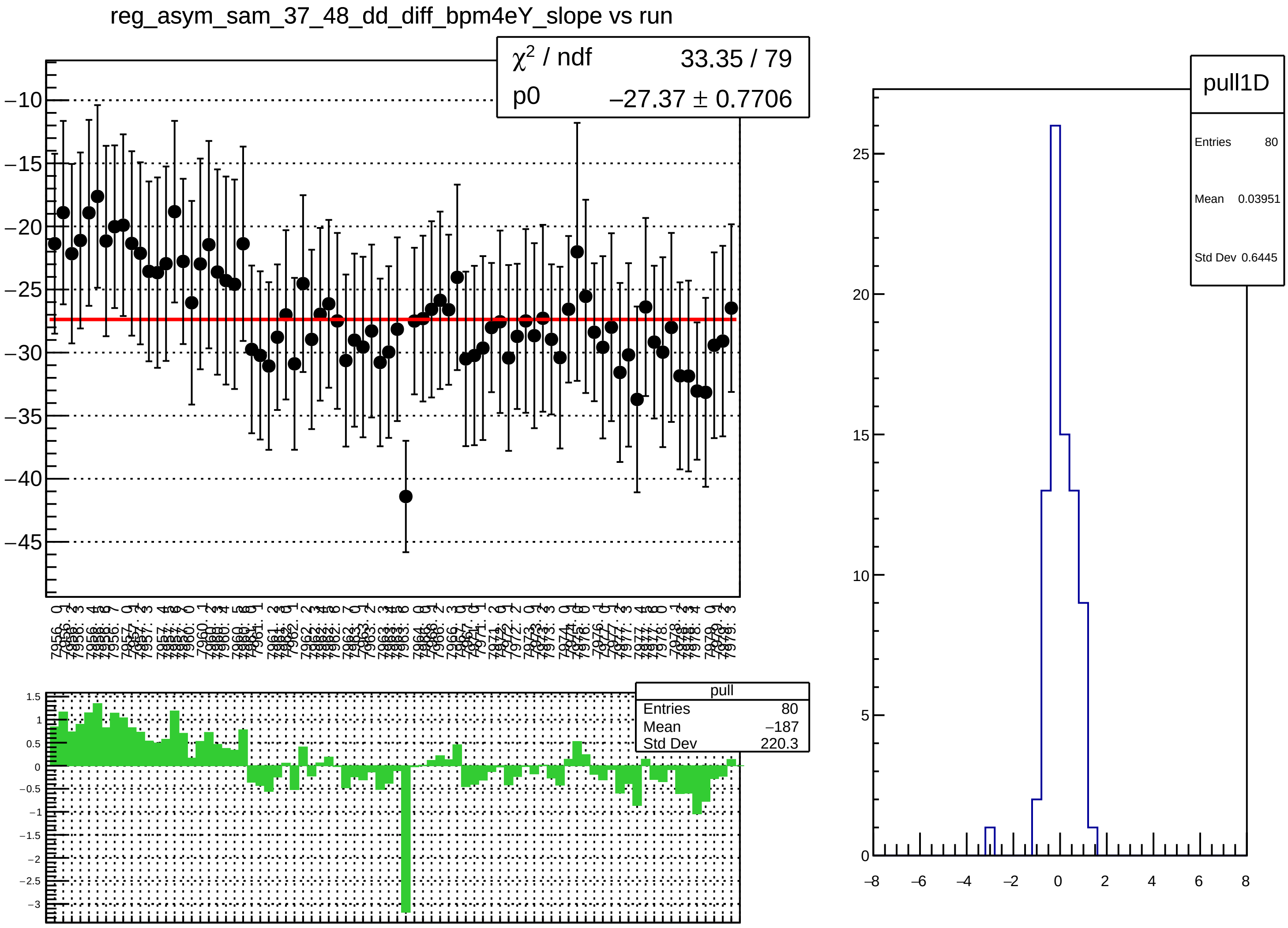
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 22.35 / 79
p0 1.129 ± 0.6503
pull
Entries 80
Mean −2.547
Std Dev 47.93
pull1D
Entries 80
Mean 0.03447
Std Dev 0.5274



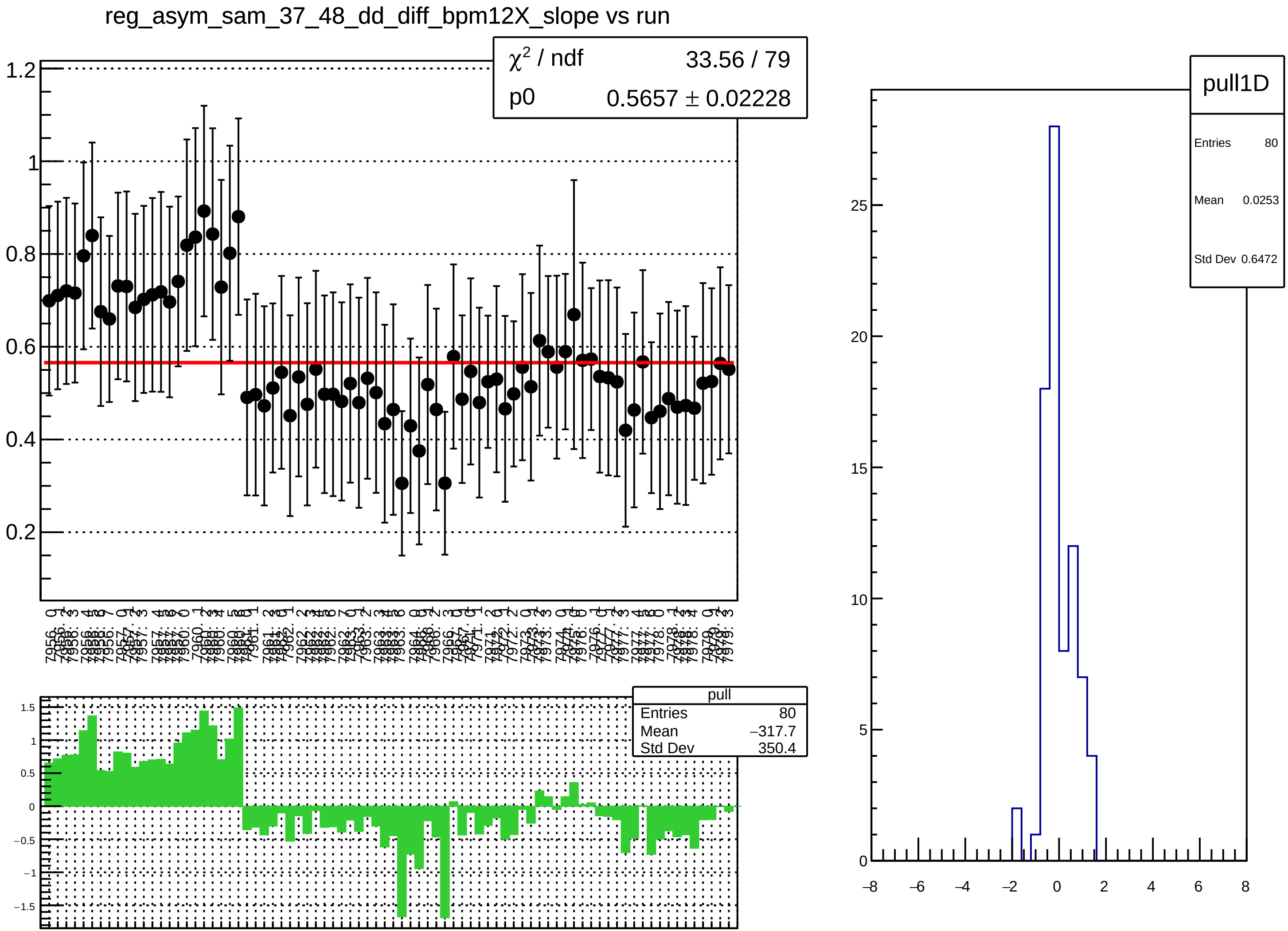
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.51 / 79
p0 −28.13 ± 0.6729
pull
Entries 80
Mean −34.48
Std Dev 66.98
pull1D
Entries 80
Mean −0.03628
Std Dev 0.5409

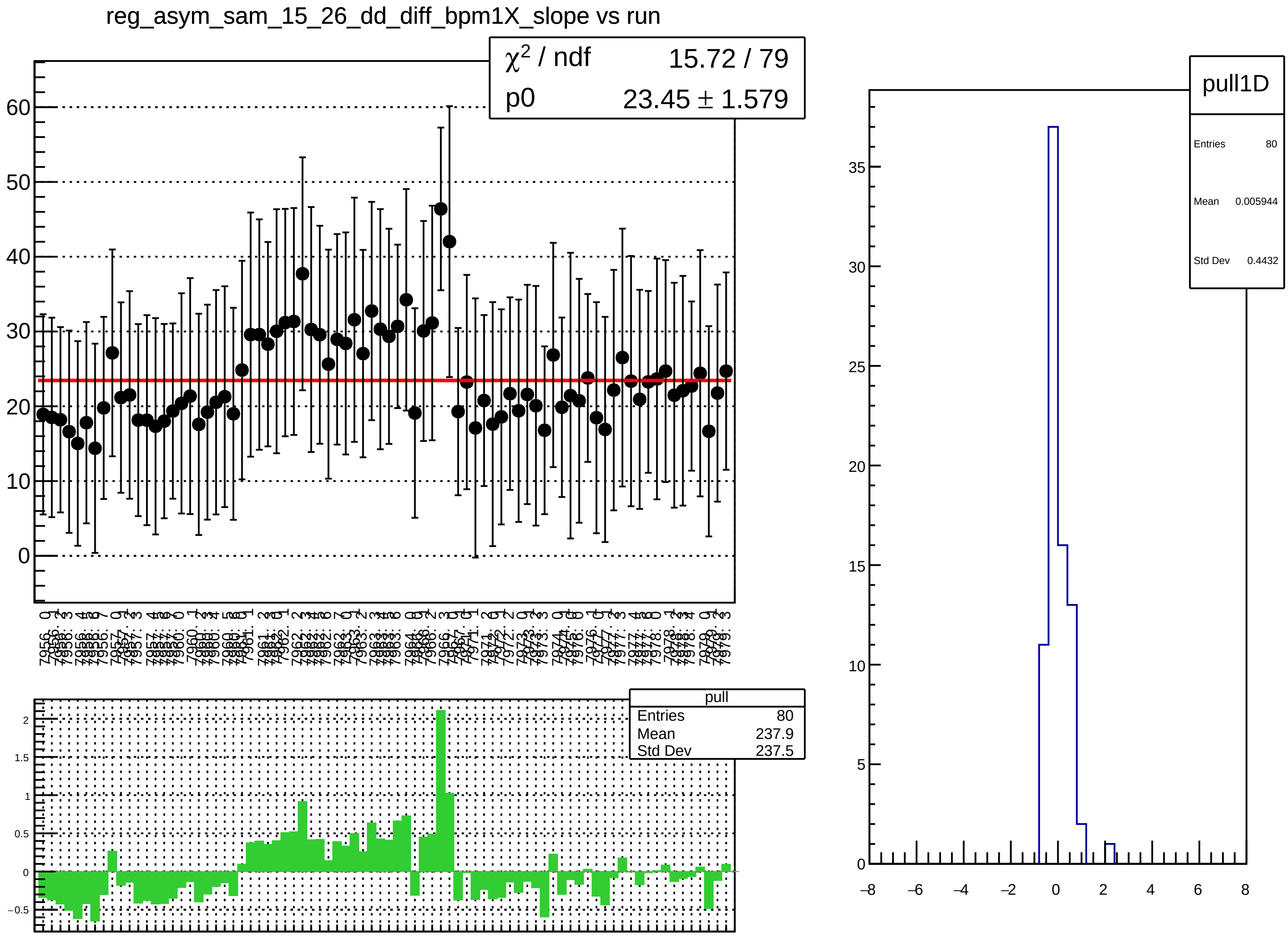


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.13 / 79
p0 13.6 ± 0.5751
pull
Entries 80
Mean −7.939
Std Dev 41.85
pull1D
Entries 80
Mean −0.04225
Std Dev 0.5588

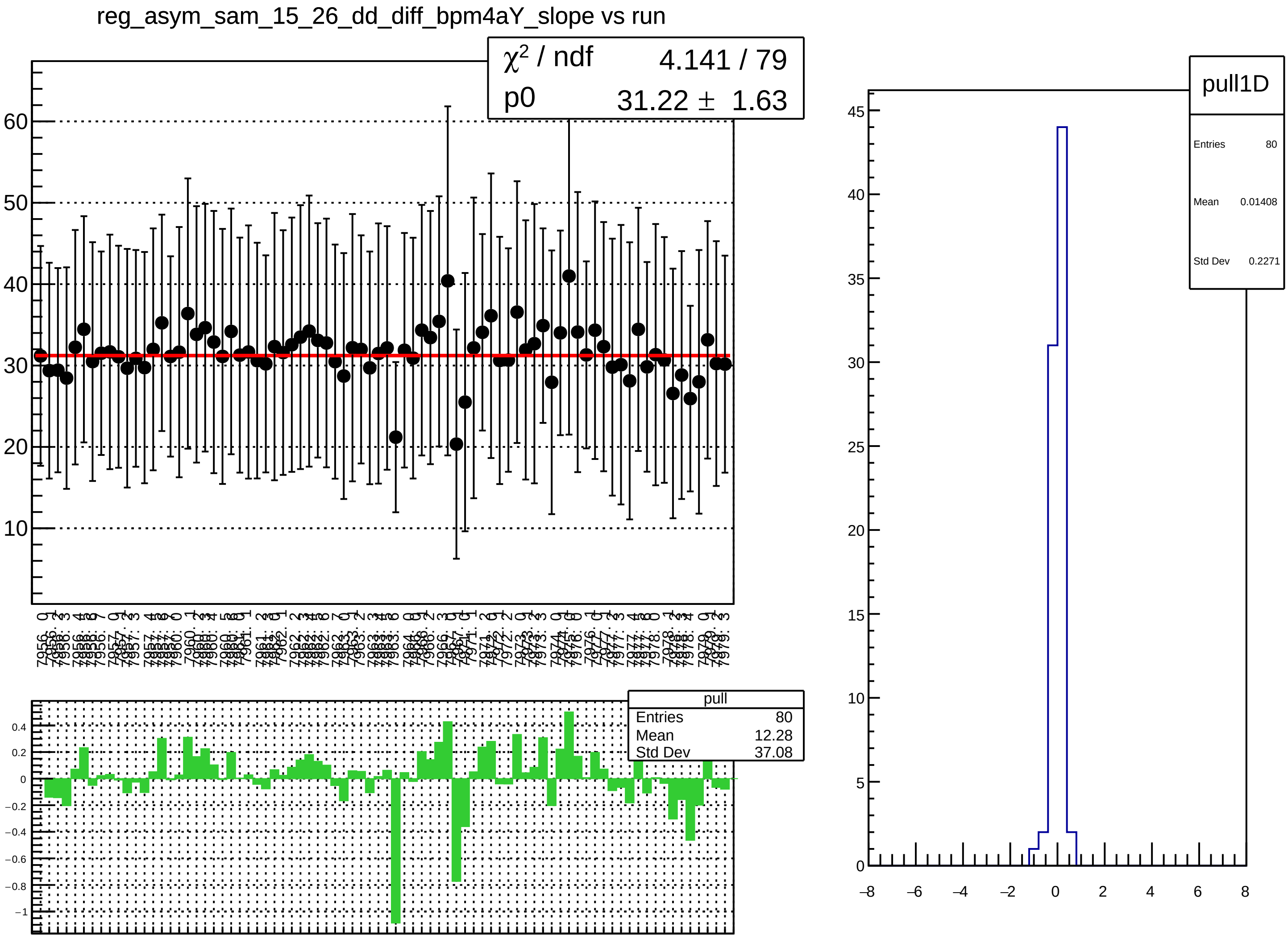


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.35 / 79
p0 −27.37 ± 0.7706
pull
Entries 80
Mean −187
Std Dev 220.3
pull1D
Entries 80
Mean 0.03951
Std Dev 0.6445


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / 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

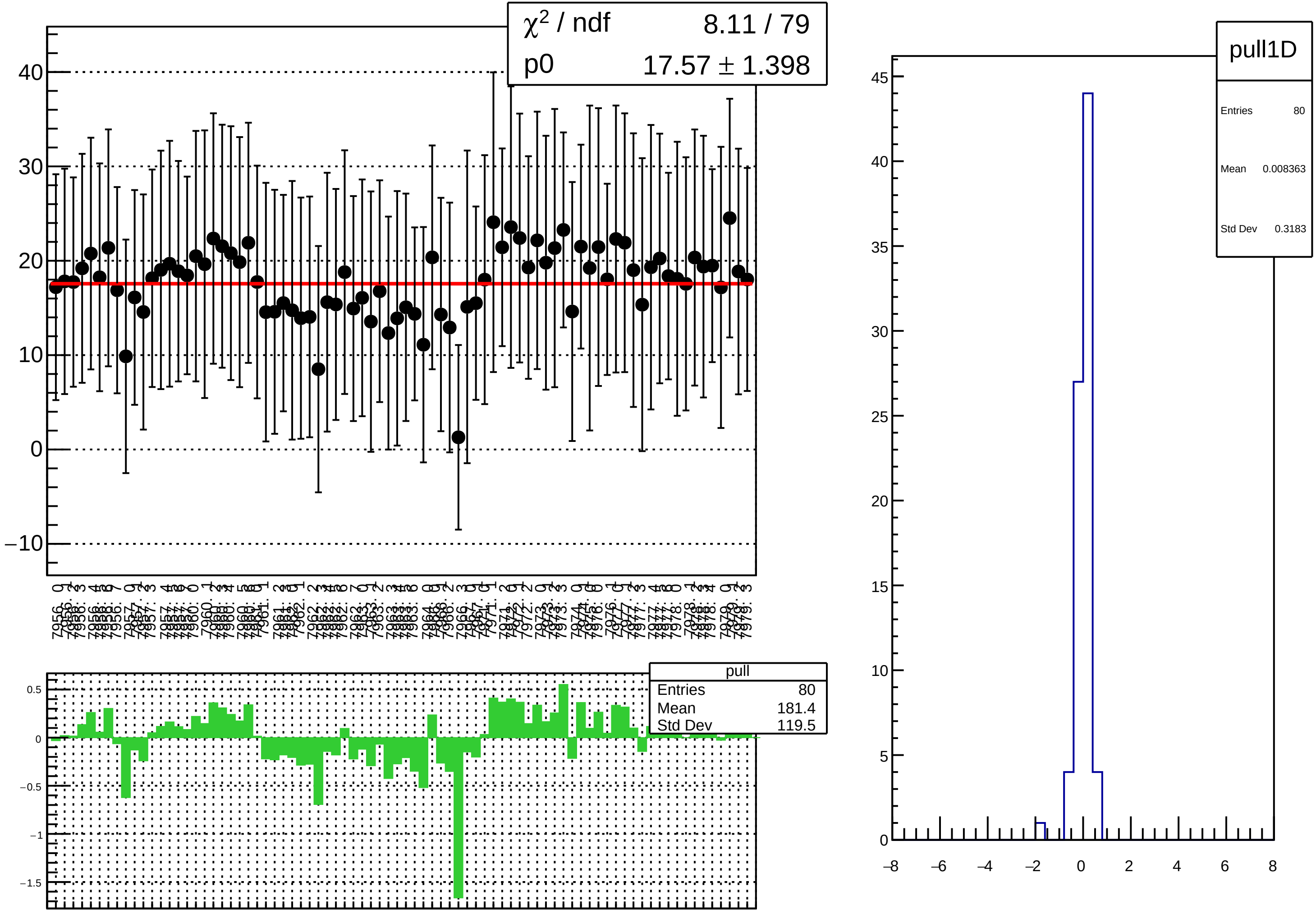


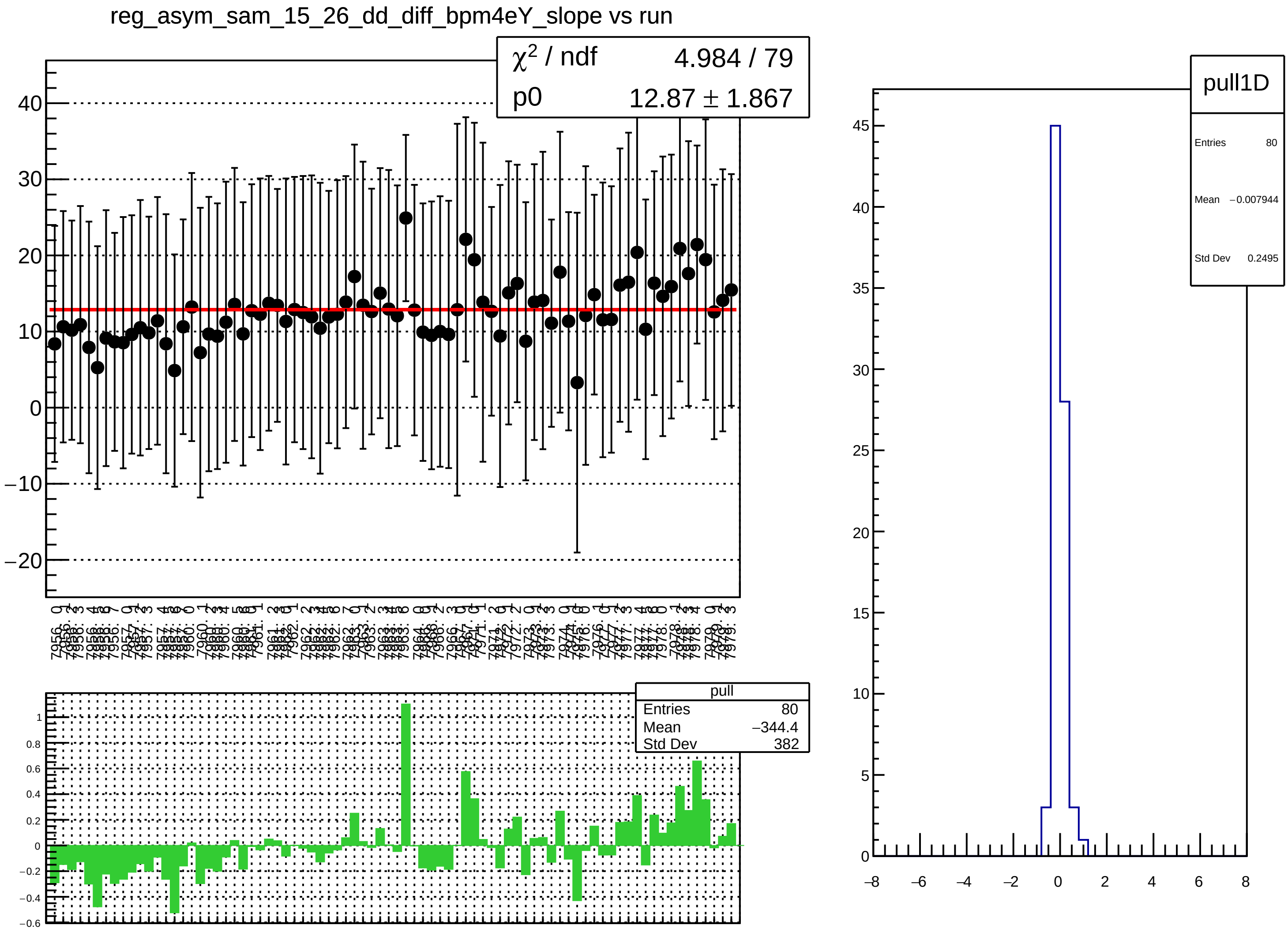
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 15.72 / 79
p0 23.45 ± 1.579
pull
Entries 80
Mean 237.9
Std Dev 237.5
pull1D
Entries 80
Mean 0.005944
Std Dev 0.4432

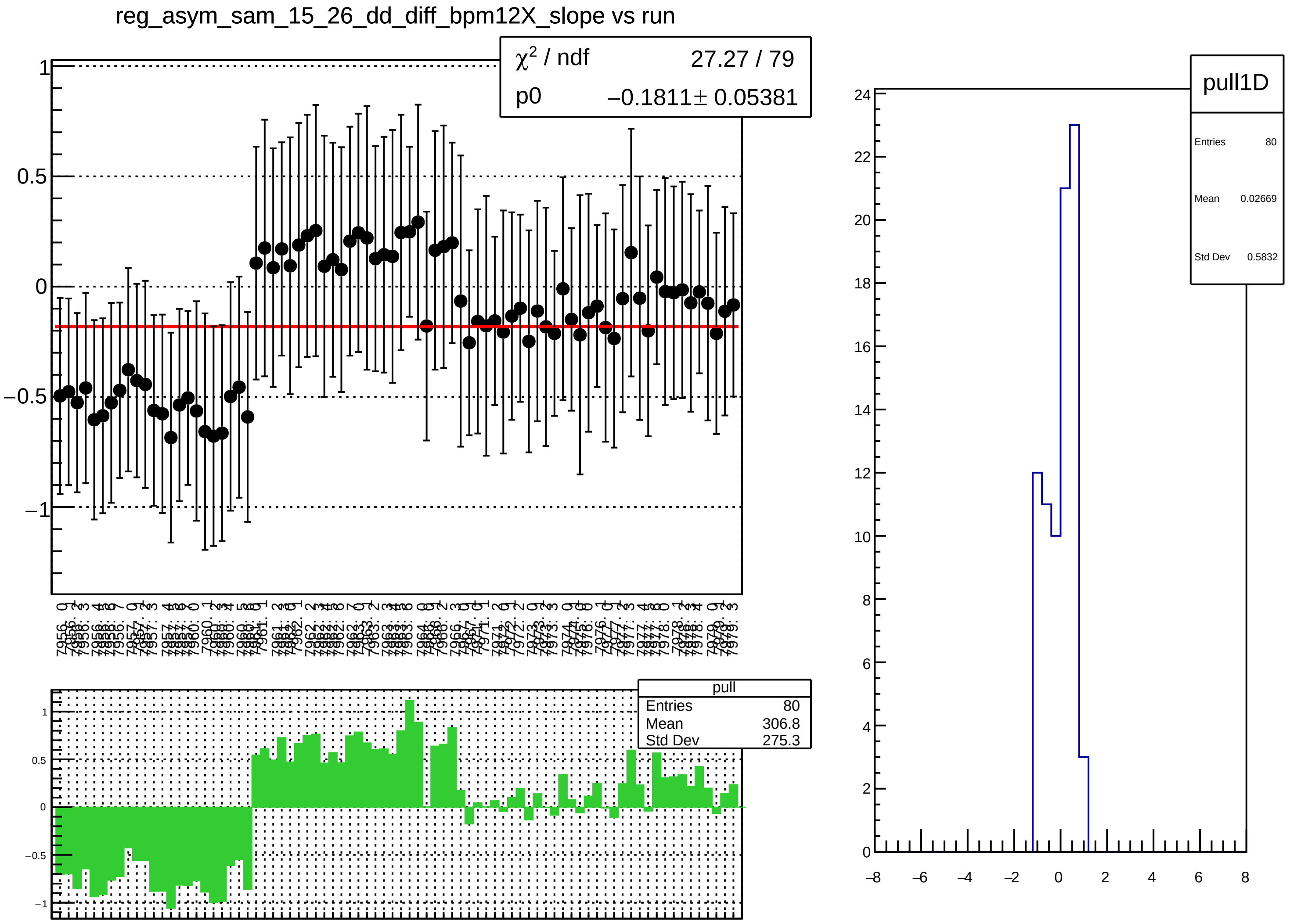


reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 4.141 / 79
p0 31.22 ± 1.63
pull
Entries 80
Mean 12.28
Std Dev 37.08
pull1D
Entries 80
Mean 0.01408
Std Dev 0.2271

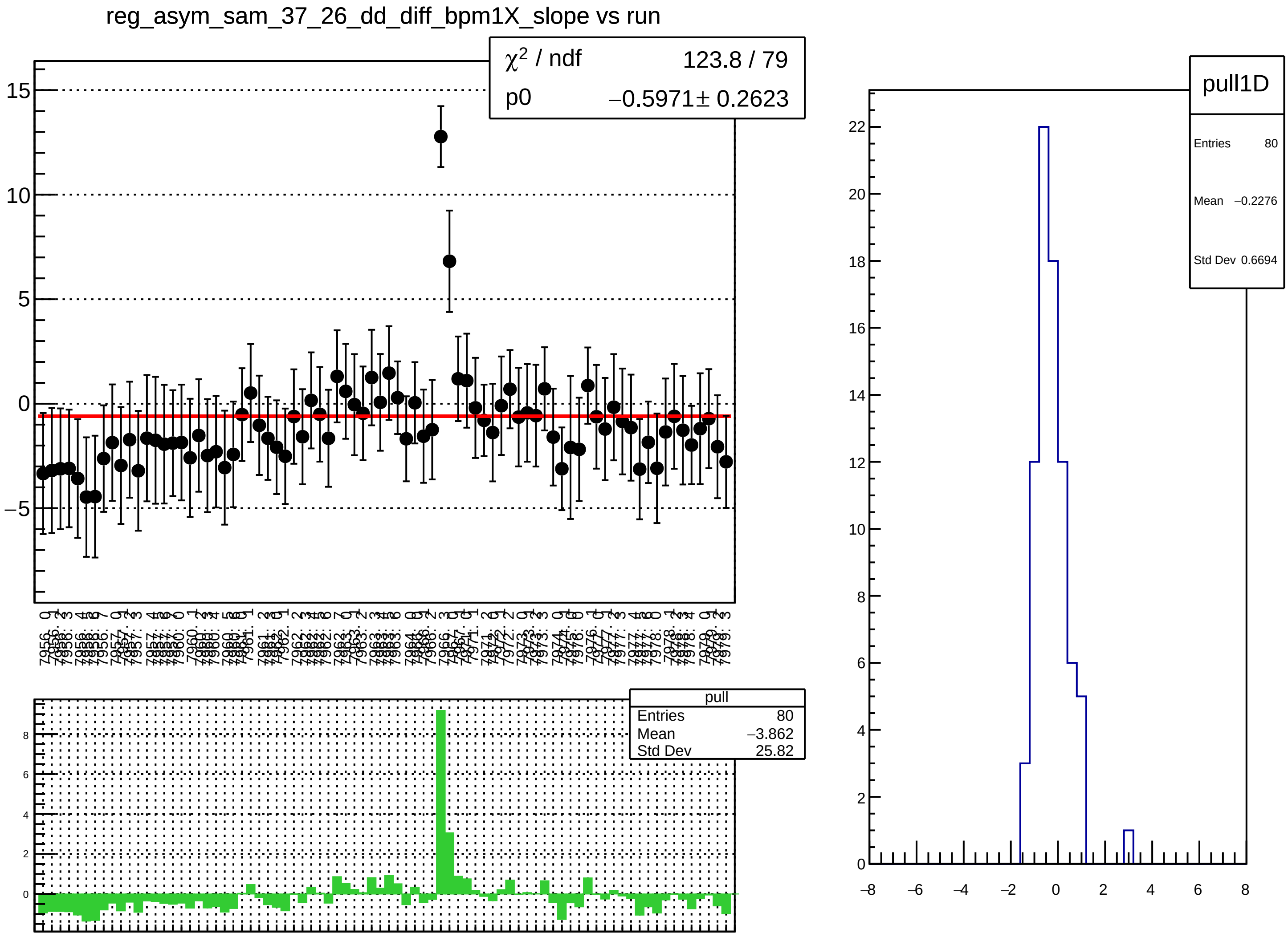
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run



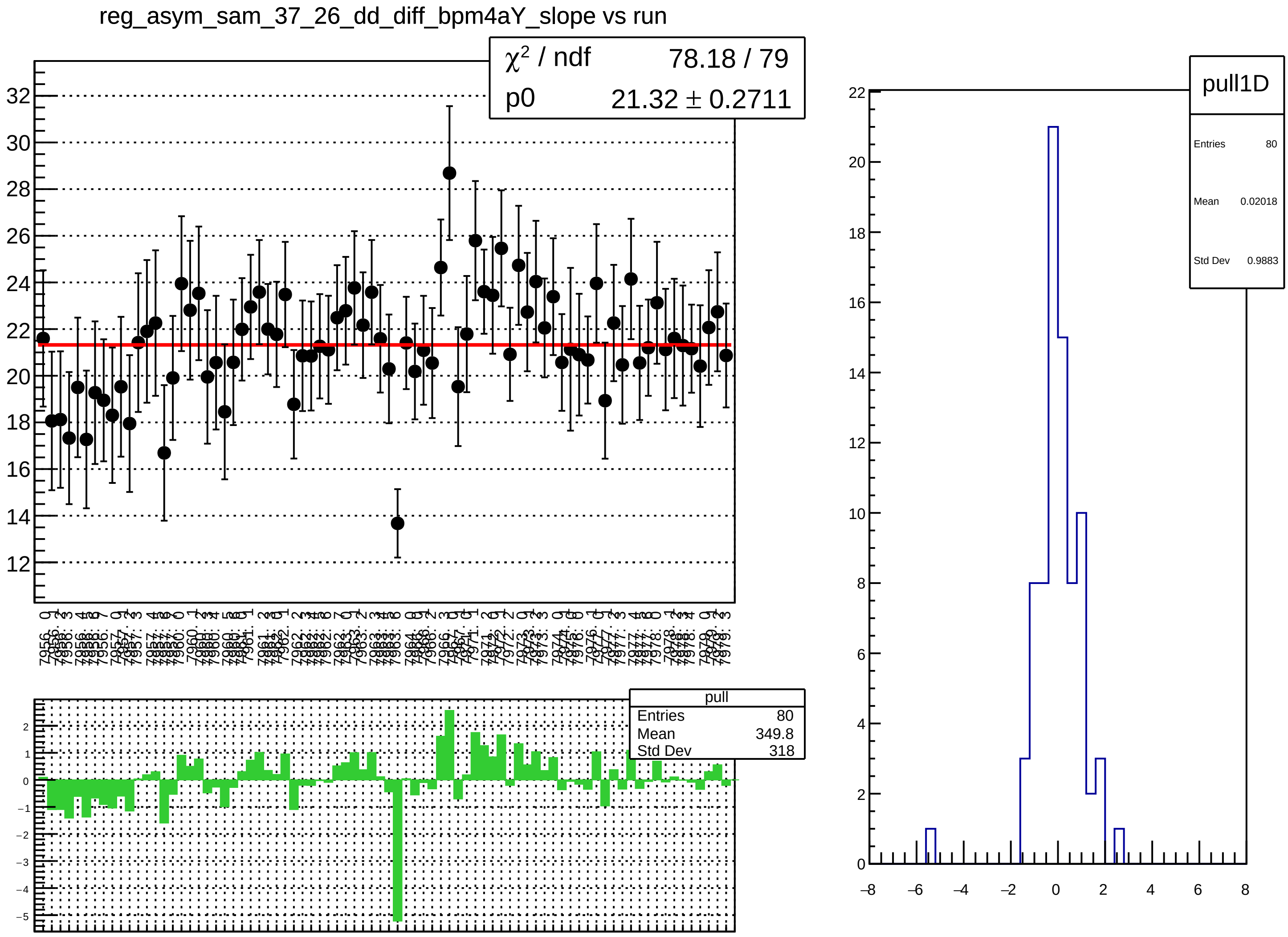

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.984 / 79
p0 12.87 ± 1.867
pull
Entries 80
Mean −344.4
Std Dev 382
pull1D
Entries 80
Mean −0.007944
Std Dev 0.2495



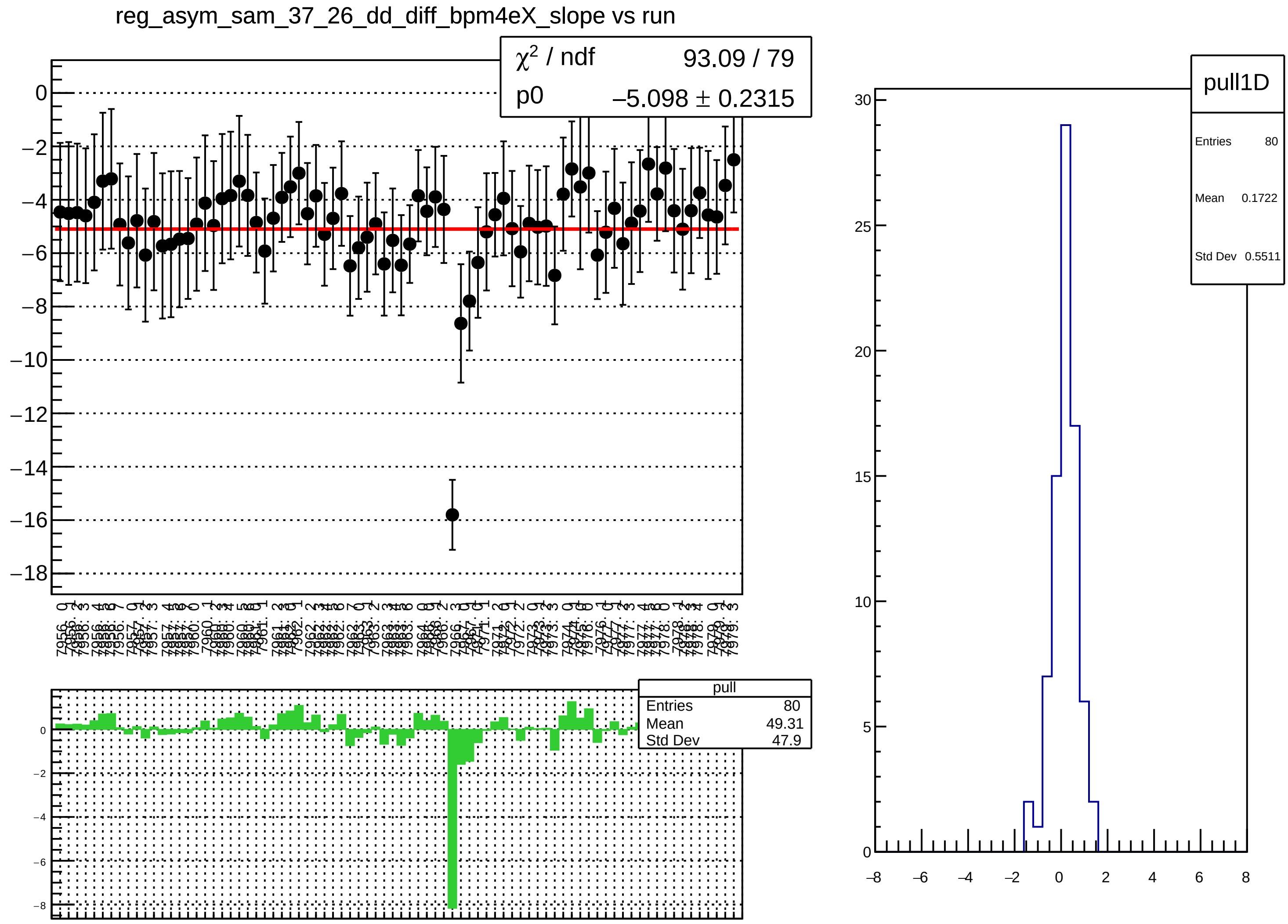
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 27.27 / 79
p0 −0.1811 ± 0.05381
pull
Entries 80
Mean 306.8
Std Dev 275.3
pull1D
Entries 80
Mean 0.02669
Std Dev 0.5832



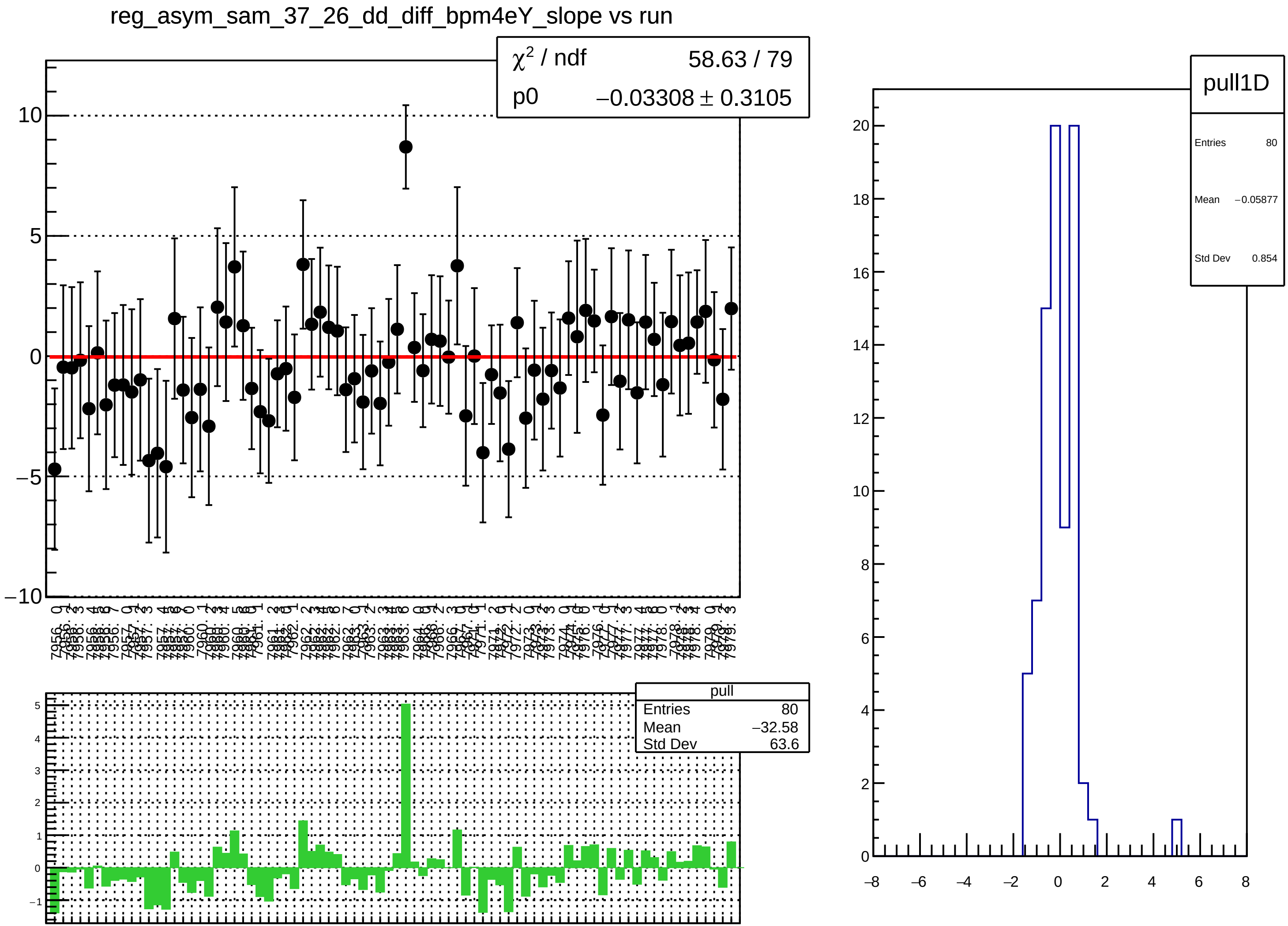
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 123.8 / 79
p0 −0.5971 ± 0.2623
pull
Entries 80
Mean −3.862
Std Dev 25.82
pull1D
Entries 80
Mean −0.2276
Std Dev 0.6694



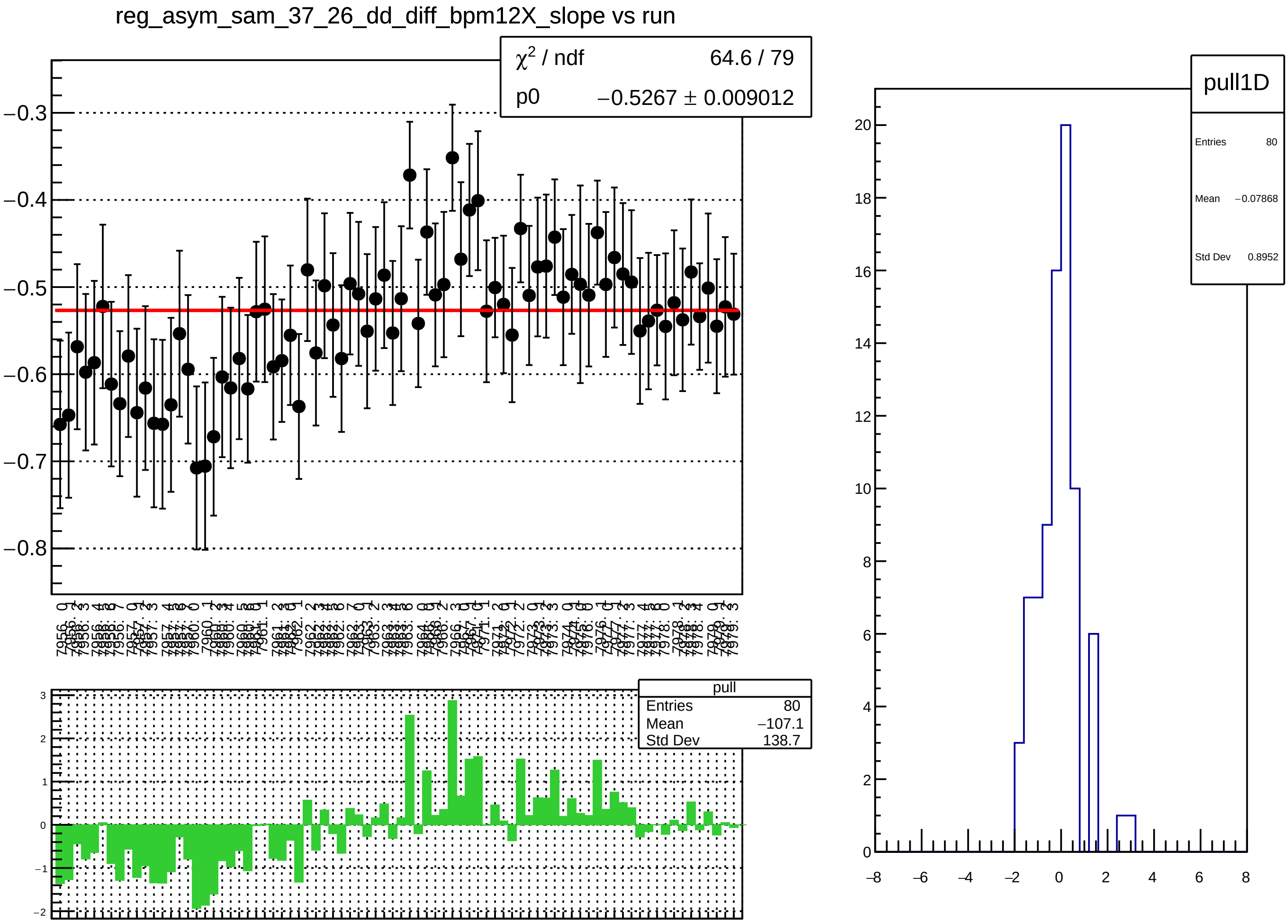
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 78.18 / 79
p0 21.32 ± 0.2711
pull
Entries 80
Mean 349.8
Std Dev 318
pull1D
Entries 80
Mean 0.02018
Std Dev 0.9883



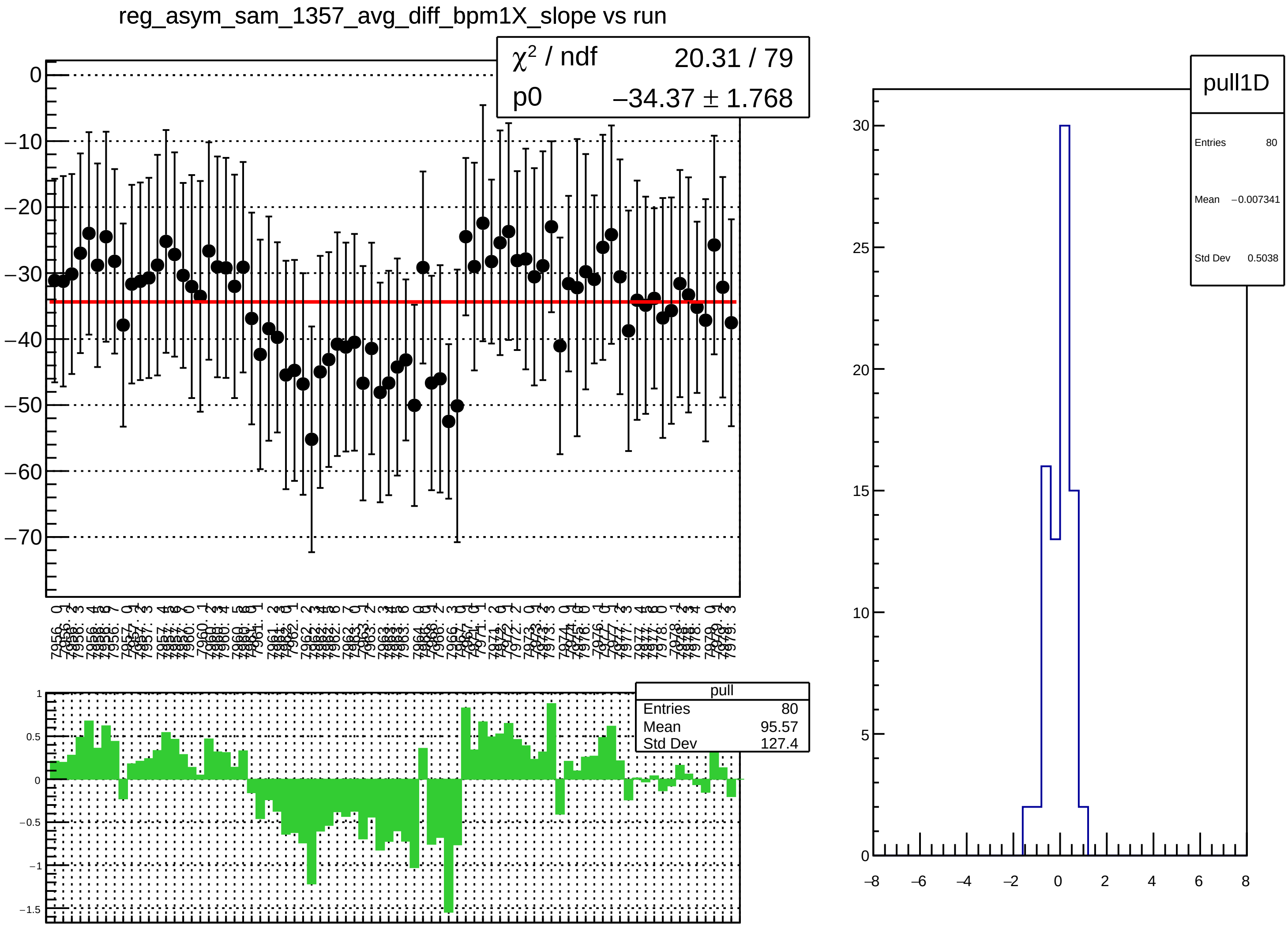
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 93.09 / 79
p0 −5.098 ± 0.2315
pull
Entries 80
Mean 49.31
Std Dev 47.9
pull1D
Entries 80
Mean 0.1722
Std Dev 0.5511



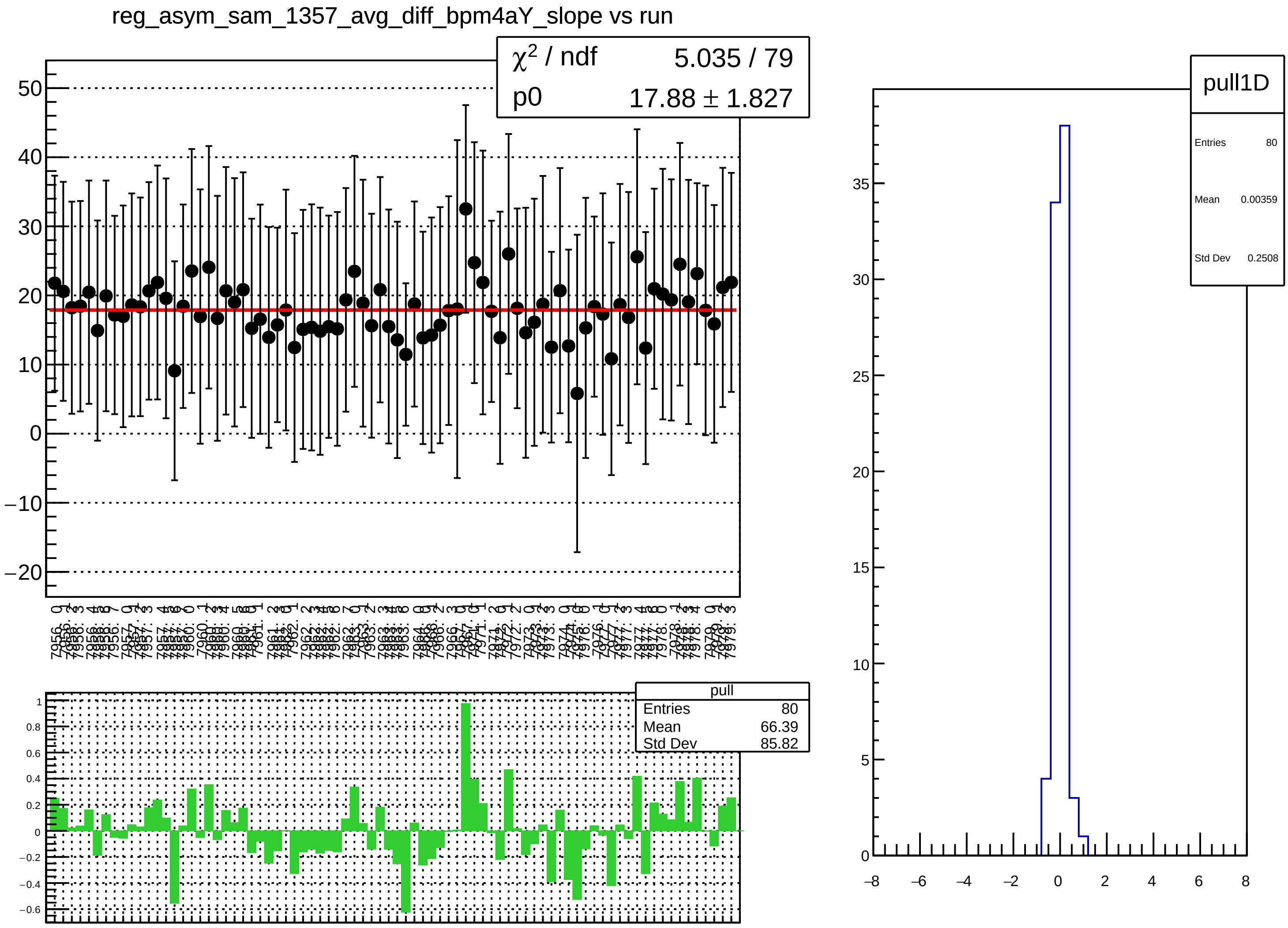
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 58.63 / 79
p0 −0.03308 ± 0.3105
pull
Entries 80
Mean −32.58
Std Dev 63.6
pull1D
Entries 80
Mean −0.05877
Std Dev 0.854



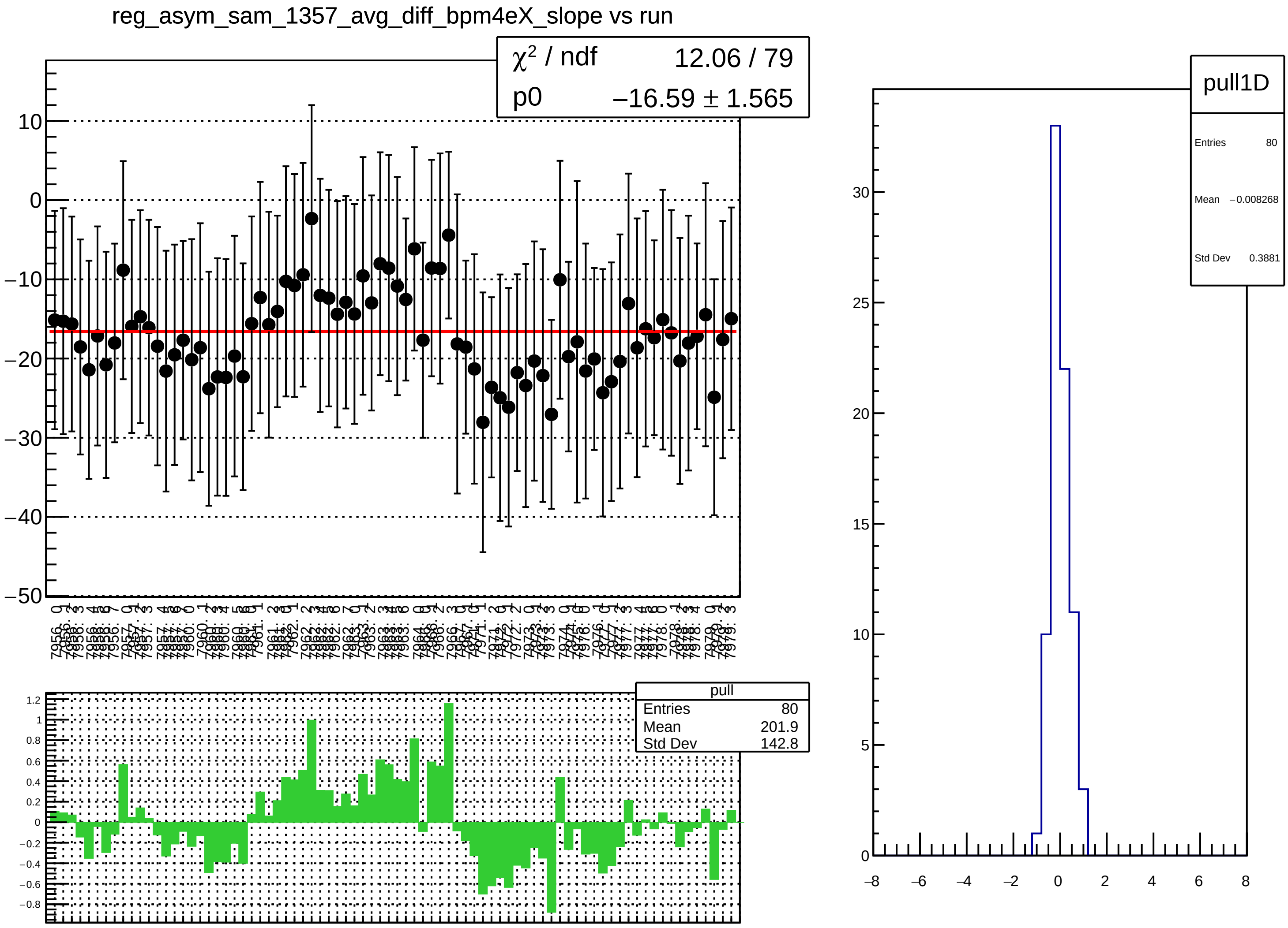
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 64.6 / 79
p0 −0.5267 ± 0.009012
pull
Entries 80
Mean −107.1
Std Dev 138.7
pull1D
Entries 80
Mean −0.07868
Std Dev 0.8952

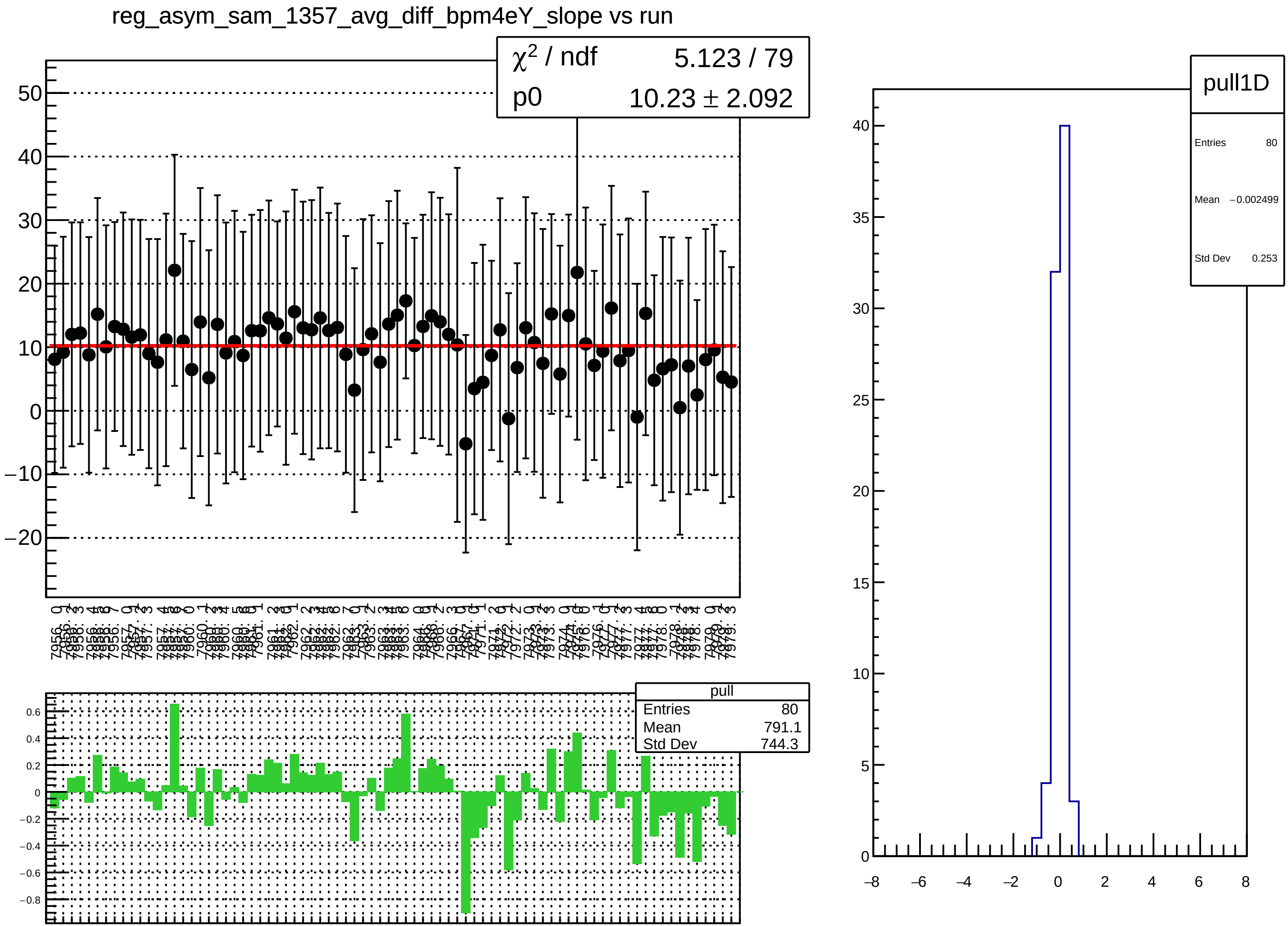


reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ2 / ndf 20.31 / 79
p0 −34.37 ± 1.768
pull
Entries 80
Mean 95.57
Std Dev 127.4
pull1D
Entries 80
Mean −0.007341
Std Dev 0.5038



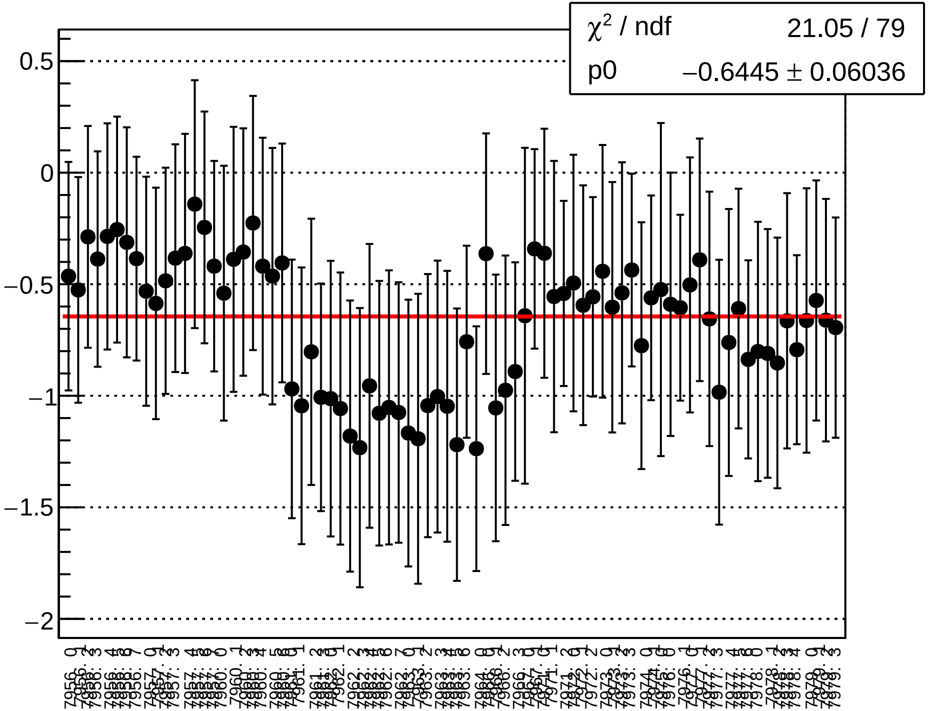
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.035 / 79
p0 17.88 ± 1.827
pull
Entries 80
Mean 66.39
Std Dev 85.82
pull1D
Entries 80
Mean 0.00359
Std Dev 0.2508

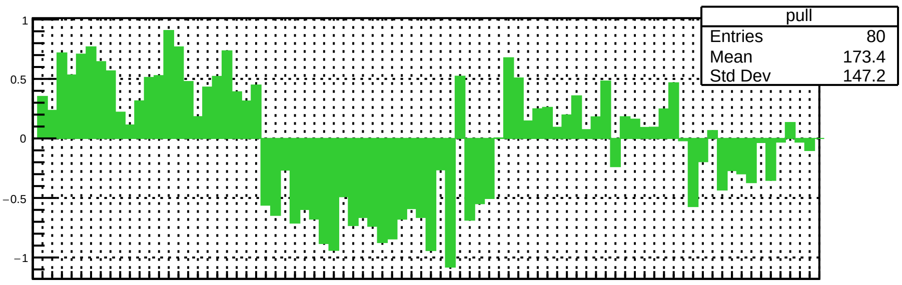

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.06 / 79
p0 −16.59 ± 1.565
pull
Entries 80
Mean 201.9
Std Dev 142.8
pull1D
Entries 80
Mean −0.008268
Std Dev 0.3881

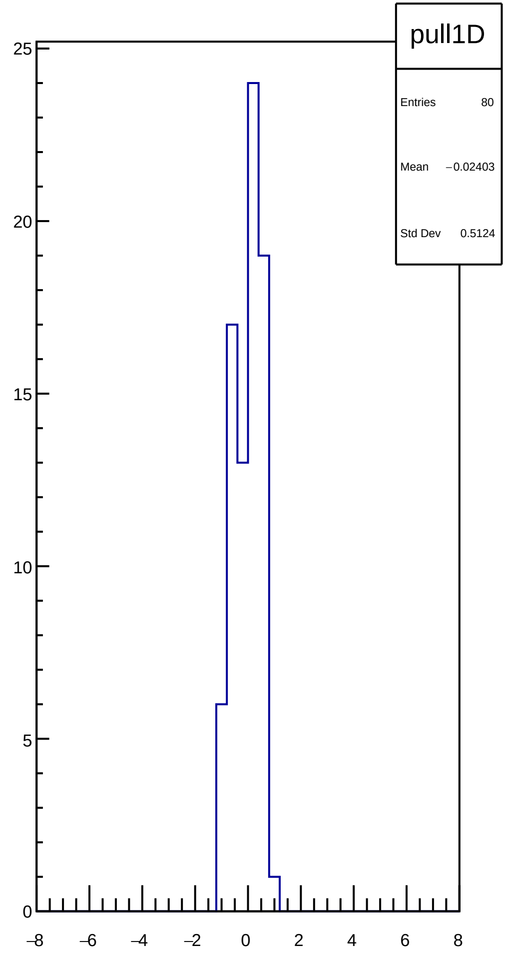


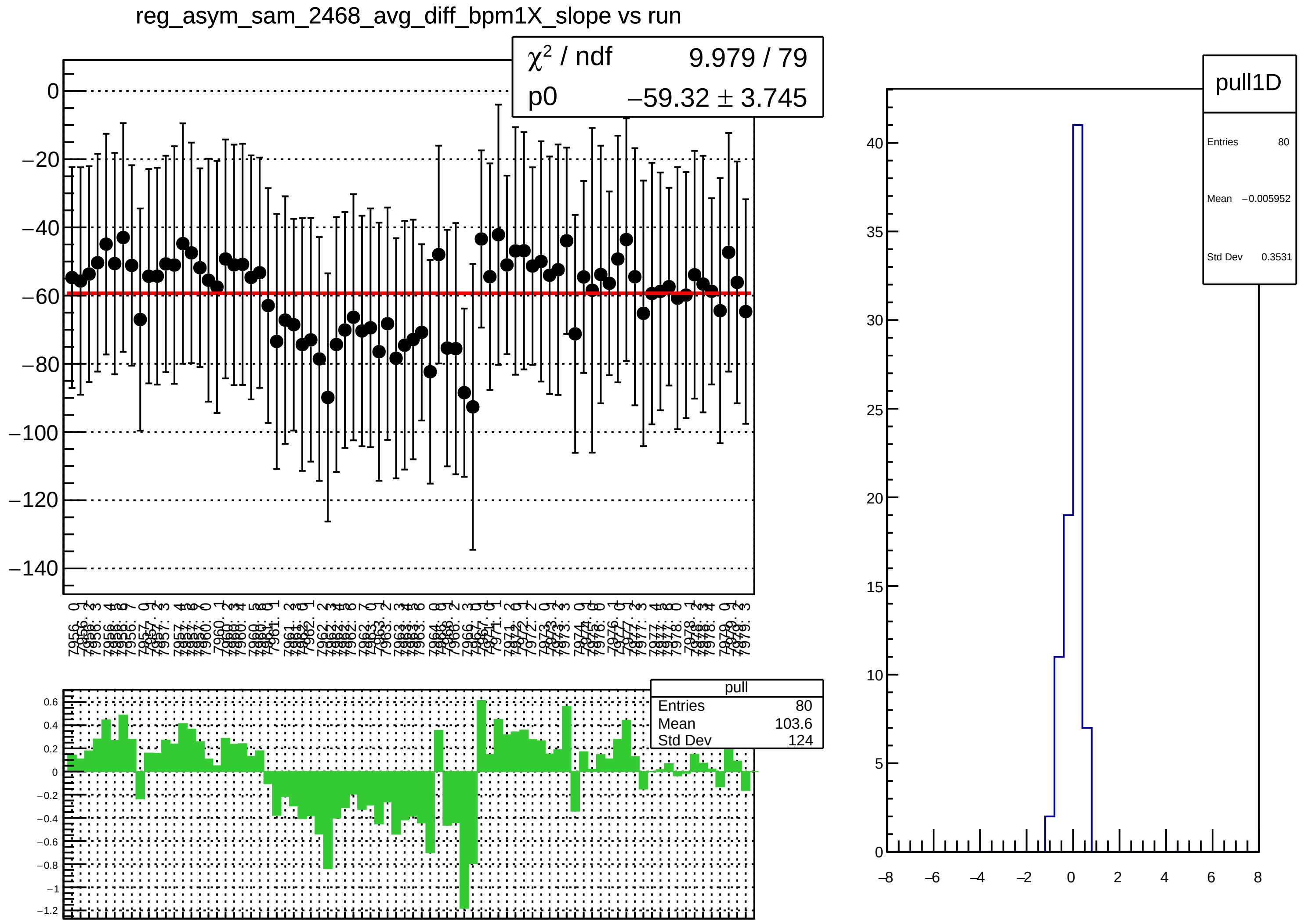
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.123 / 79
p0 10.23 ± 2.092
pull
Entries 80
Mean 791.1
Std Dev 744.3
pull1D
Entries 80
Mean −0.002499
Std Dev 0.253

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run



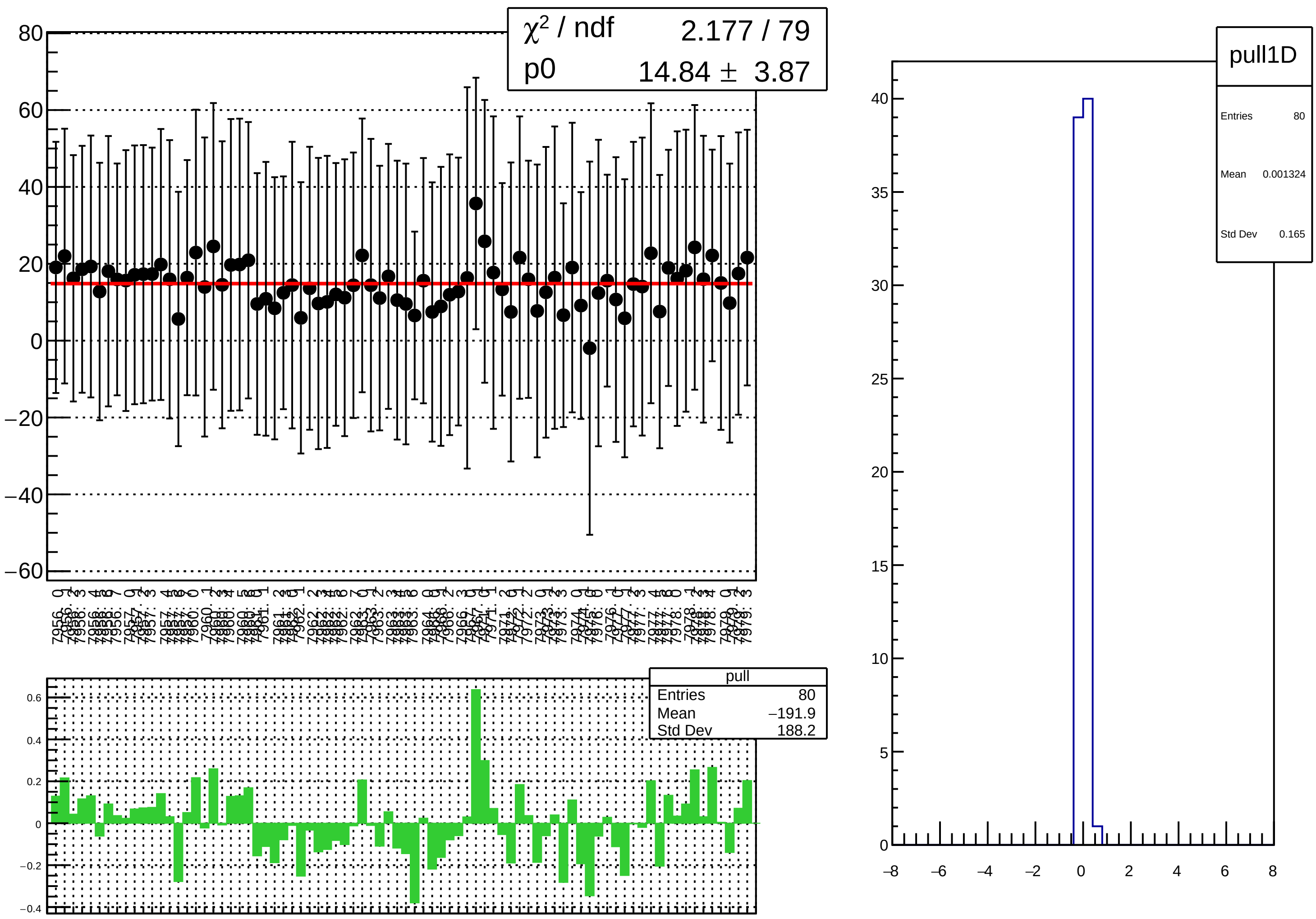


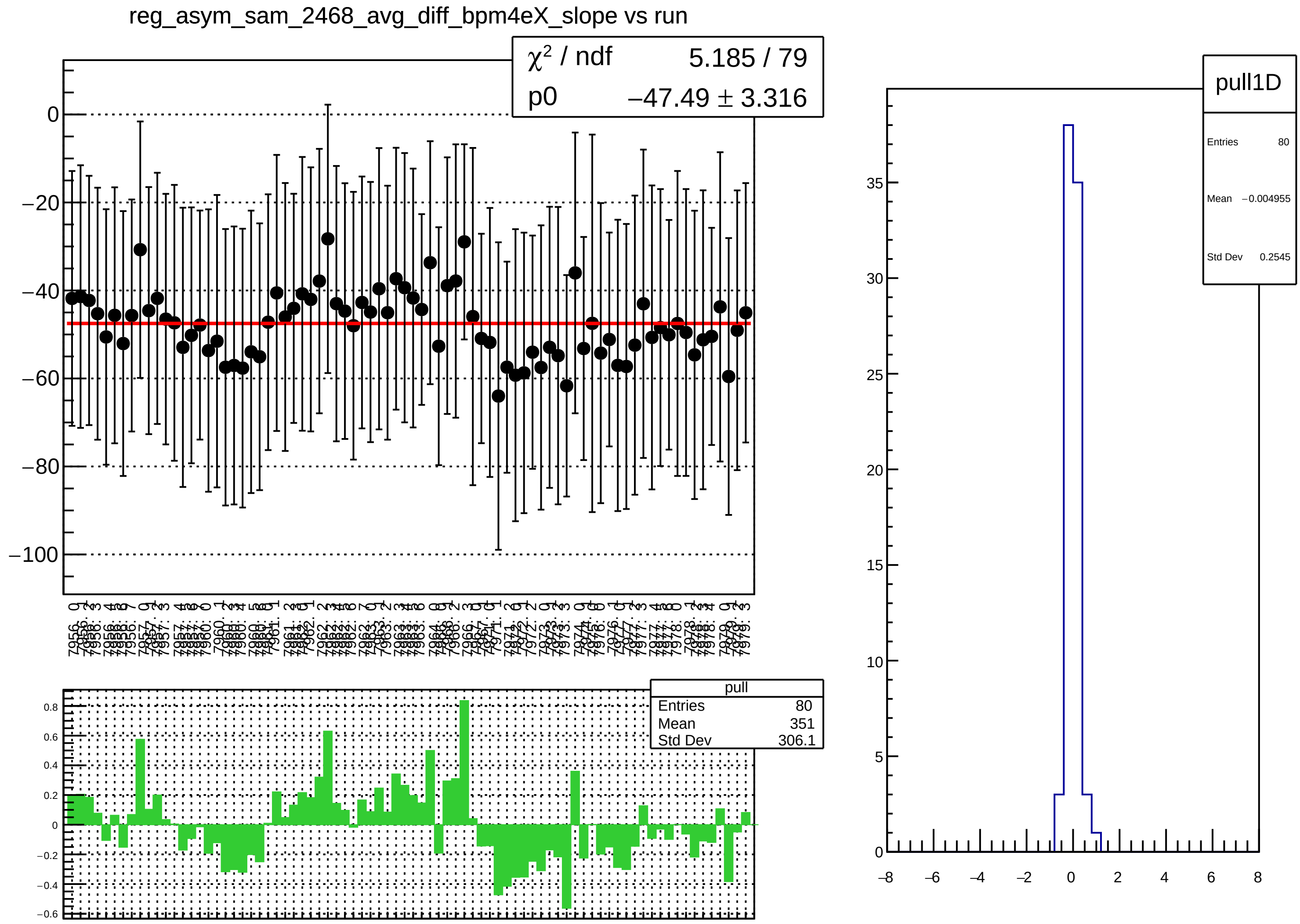




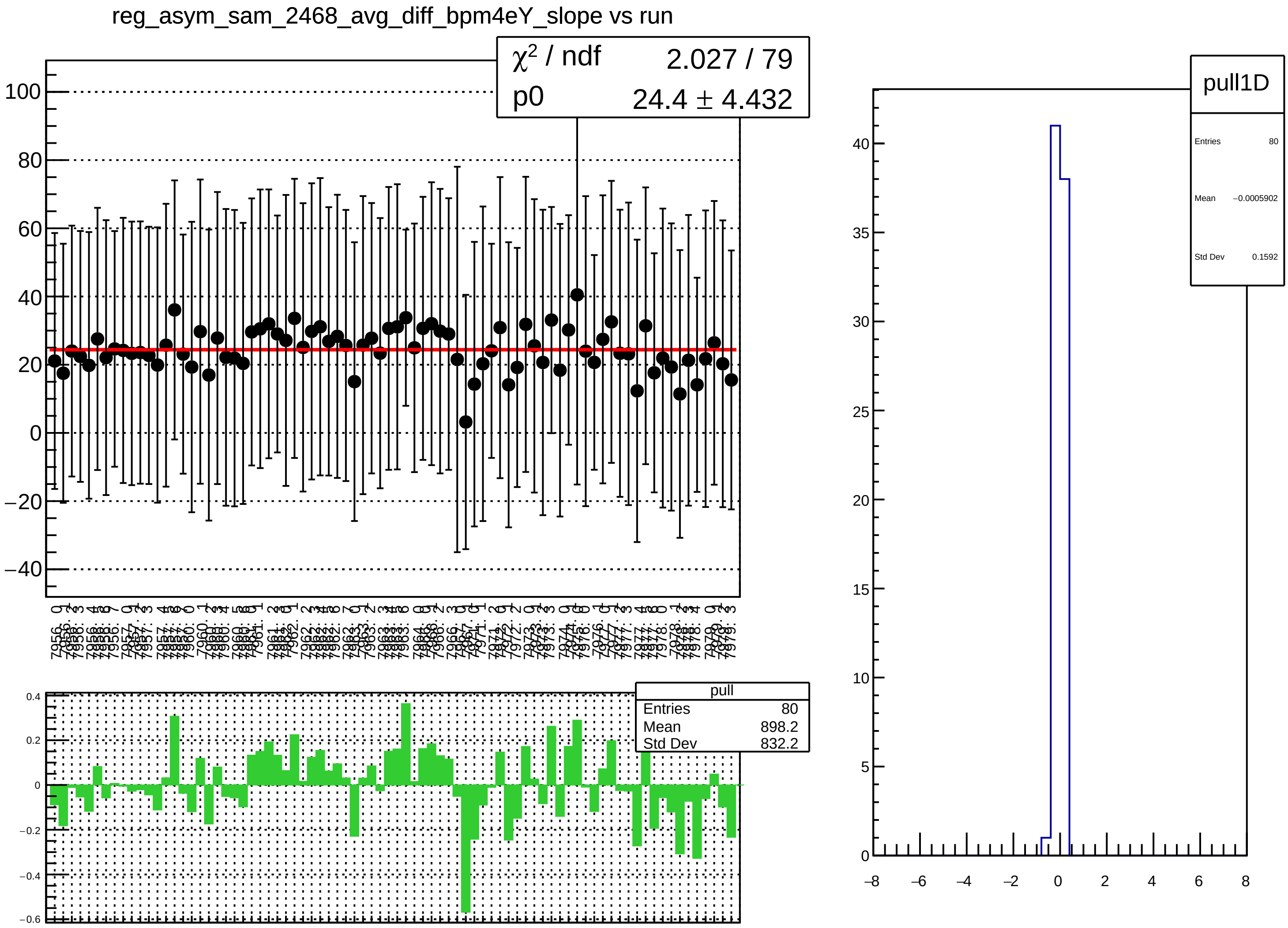
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.979 / 79
p0 −59.32 ± 3.745
pull
Entries 80
Mean 103.6
Std Dev 124
pull1D
Entries 80
Mean −0.005952
Std Dev 0.3531

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run

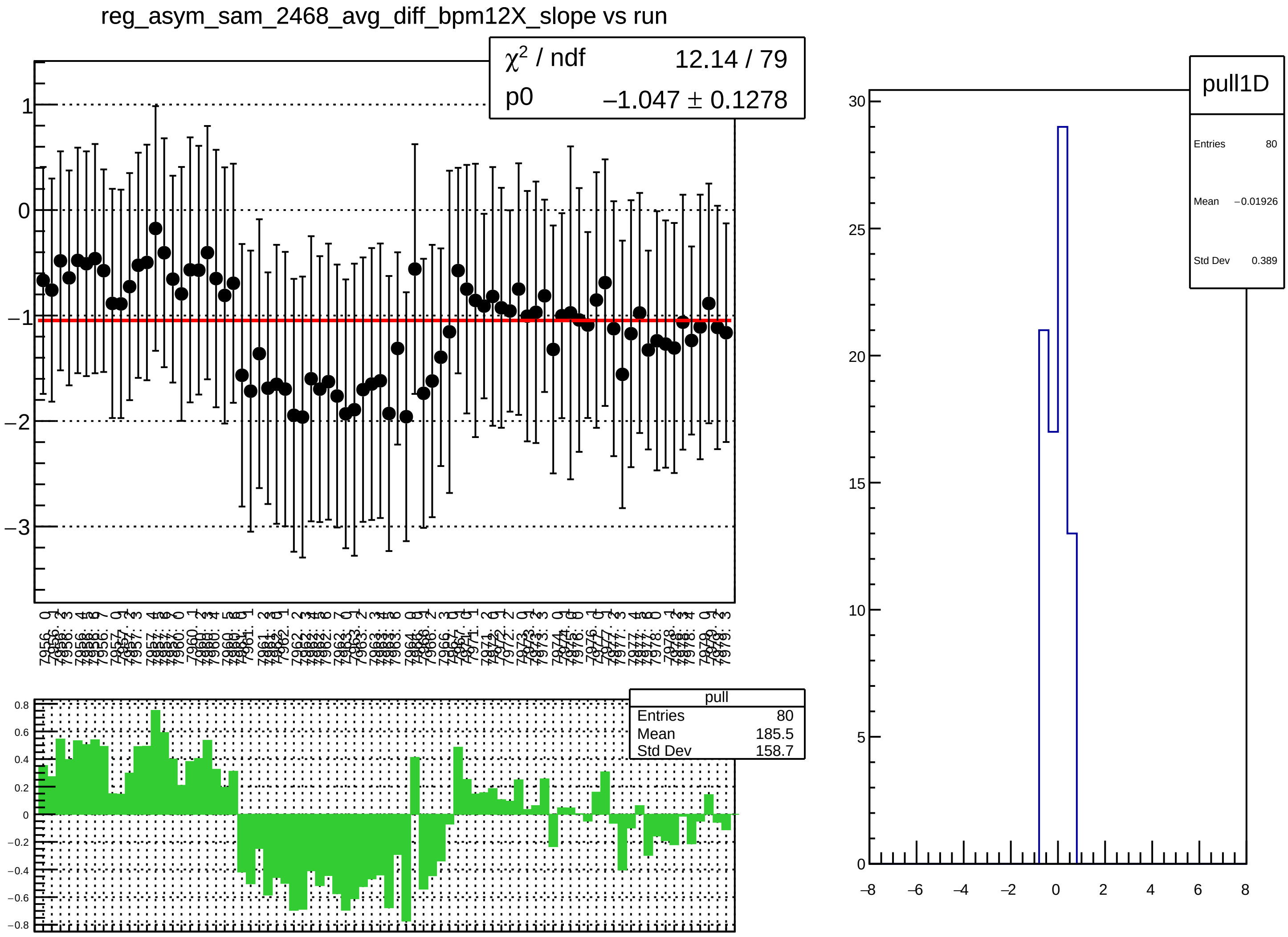




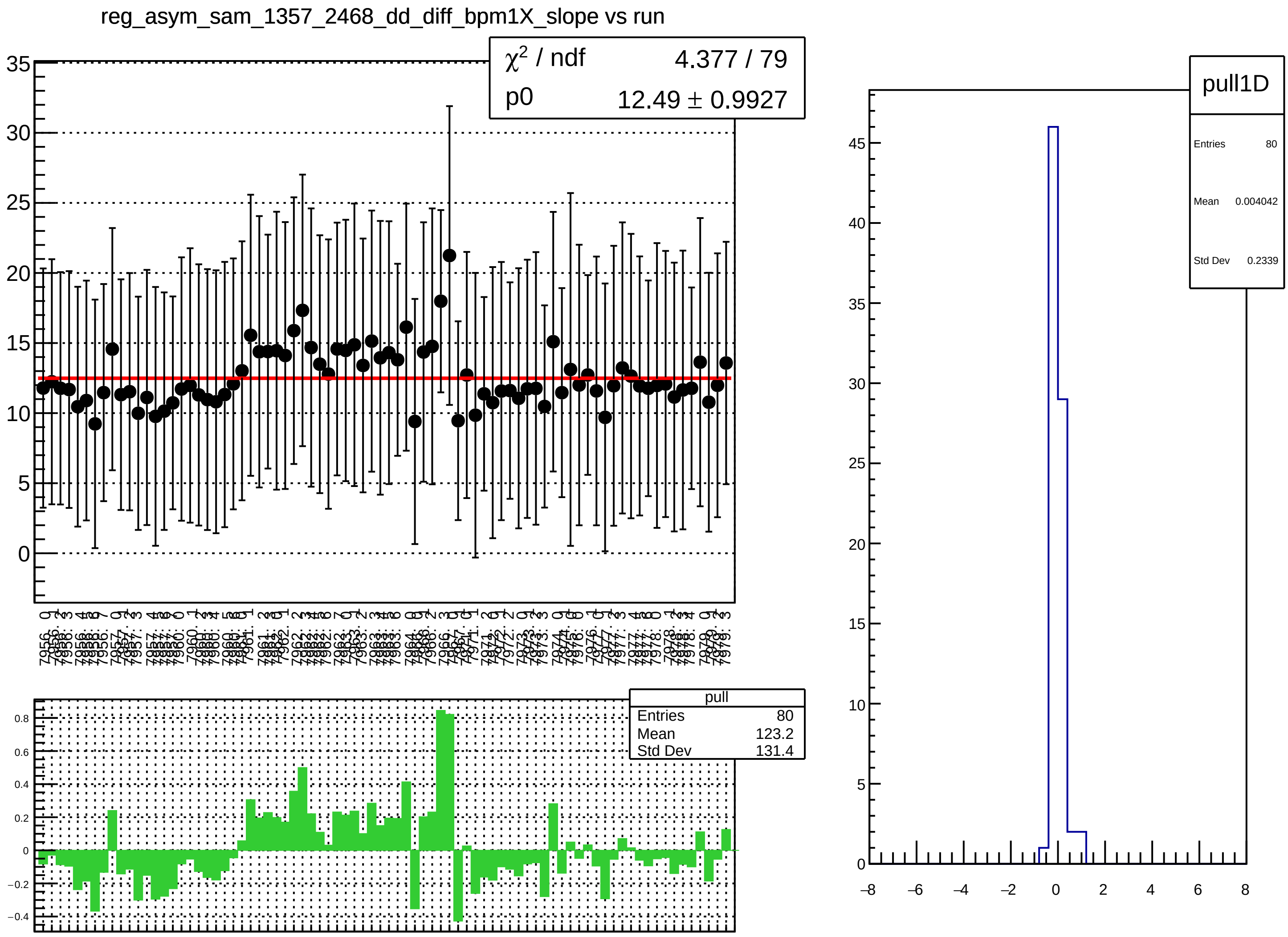
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.185 / 79
p0 −47.49 ± 3.316
pull
Entries 80
Mean 351
Std Dev 306.1
pull1D
Entries 80
Mean −0.004955
Std Dev 0.2545



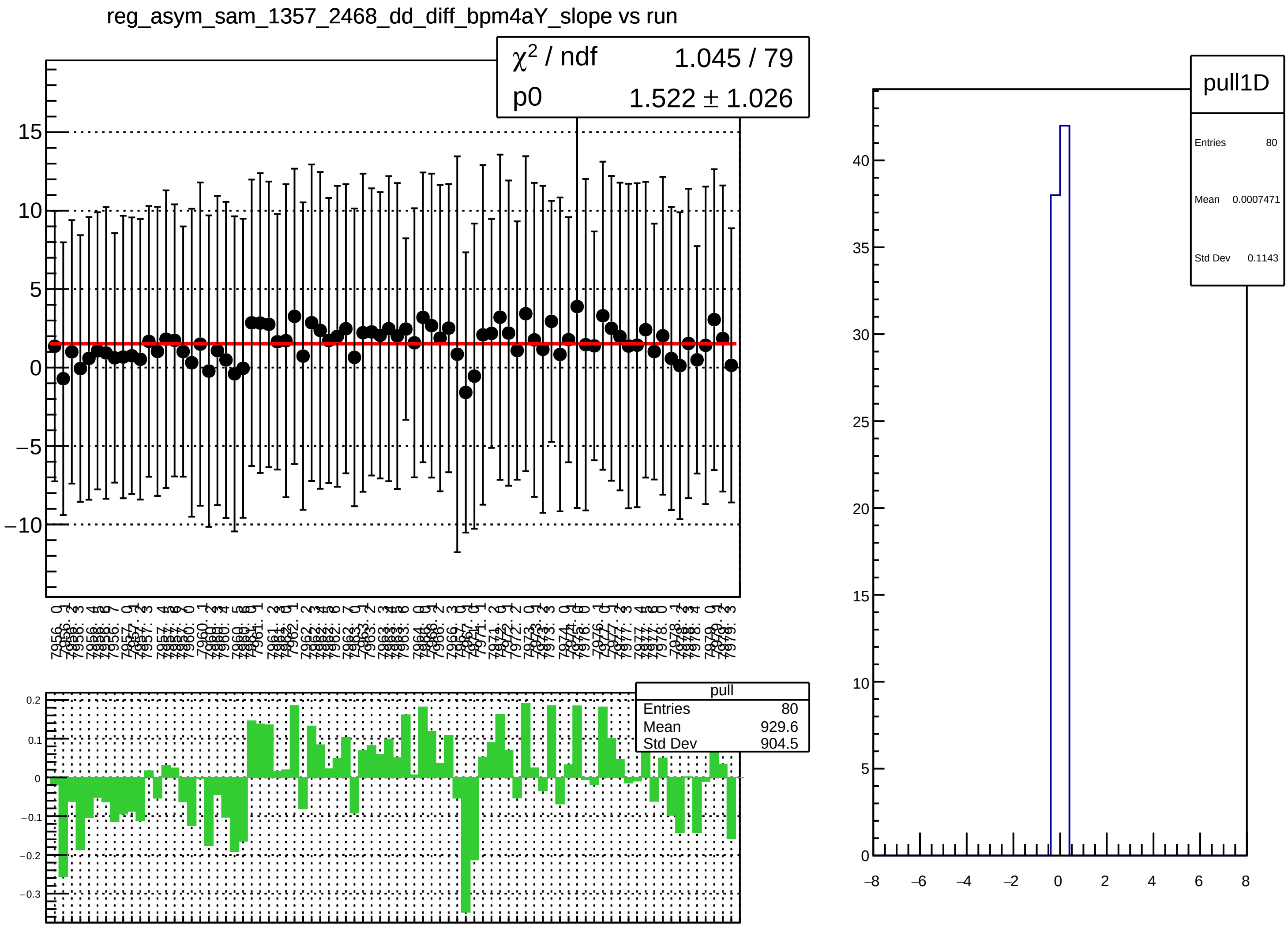
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.027 / 79
p0 24.4 ± 4.432
pull
Entries 80
Mean 898.2
Std Dev 832.2
pull1D
Entries 80
Mean −0.0005902
Std Dev 0.1592



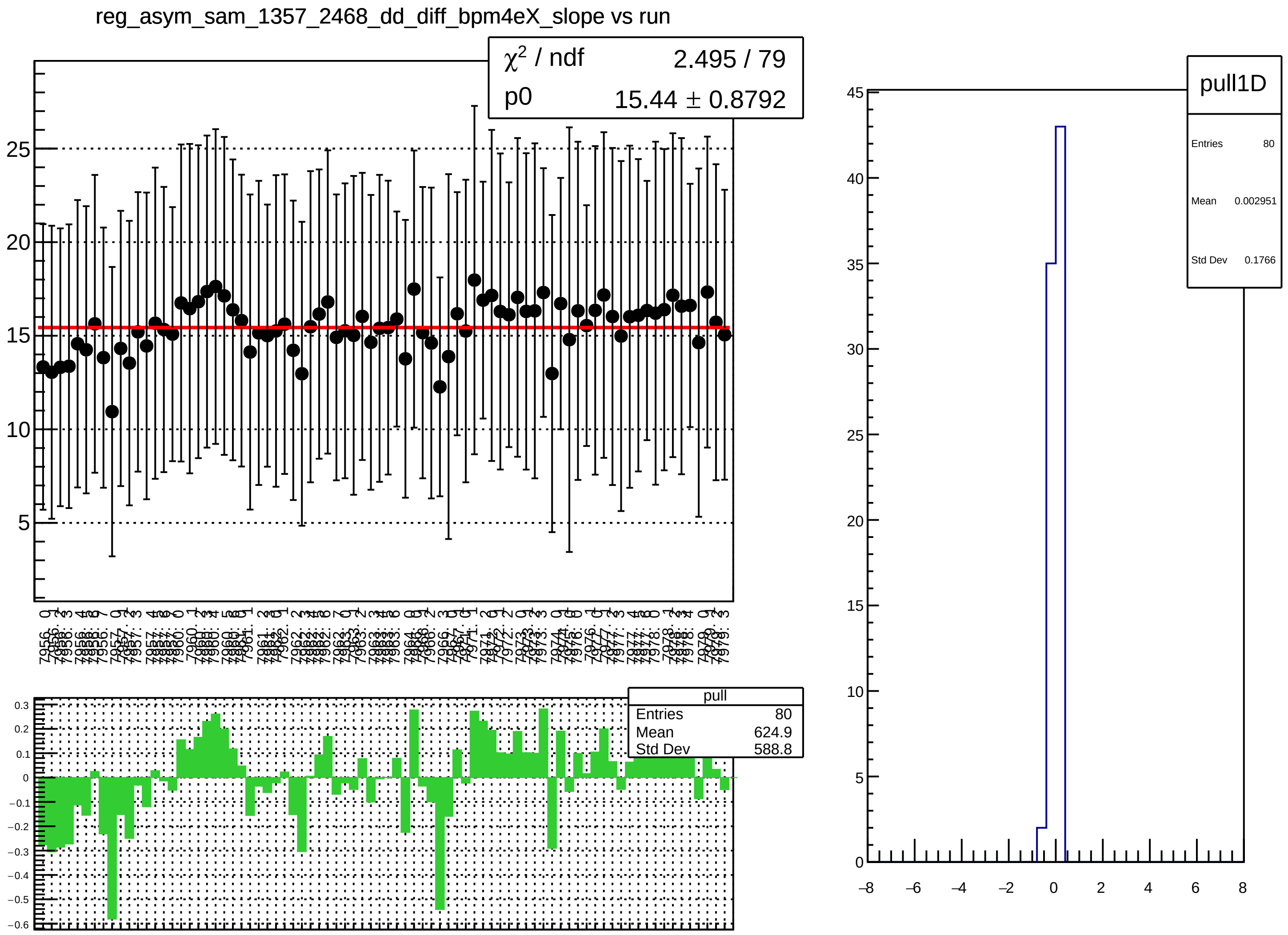
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.14 / 79
p0 −1.047 ± 0.1278
pull
Entries 80
Mean 185.5
Std Dev 158.7
pull1D
Entries 80
Mean −0.01926
Std Dev 0.389

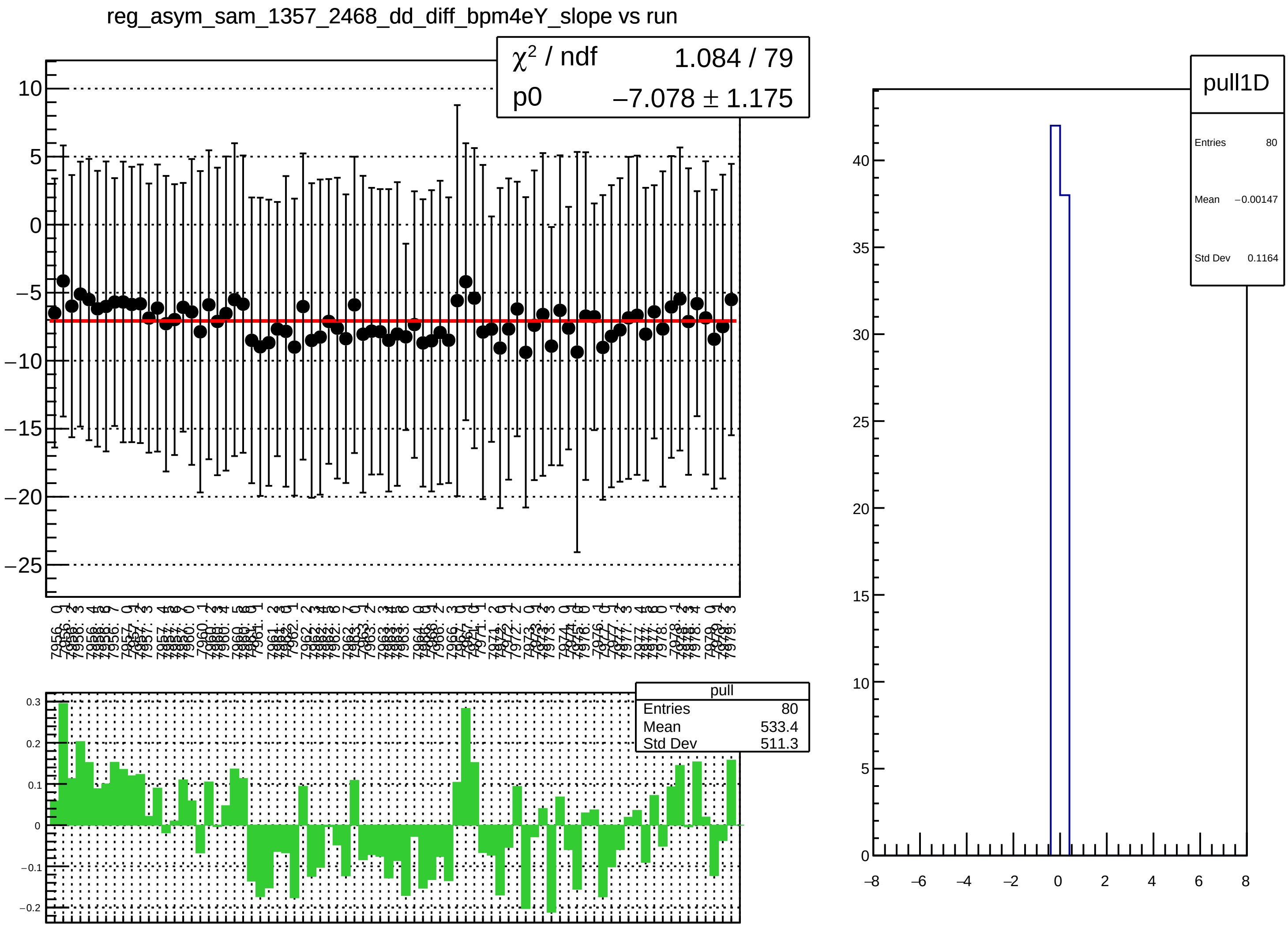


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.377 / 79
p0 12.49 ± 0.9927
pull
Entries 80
Mean 123.2
Std Dev 131.4
pull1D
Entries 80
Mean 0.004042
Std Dev 0.2339

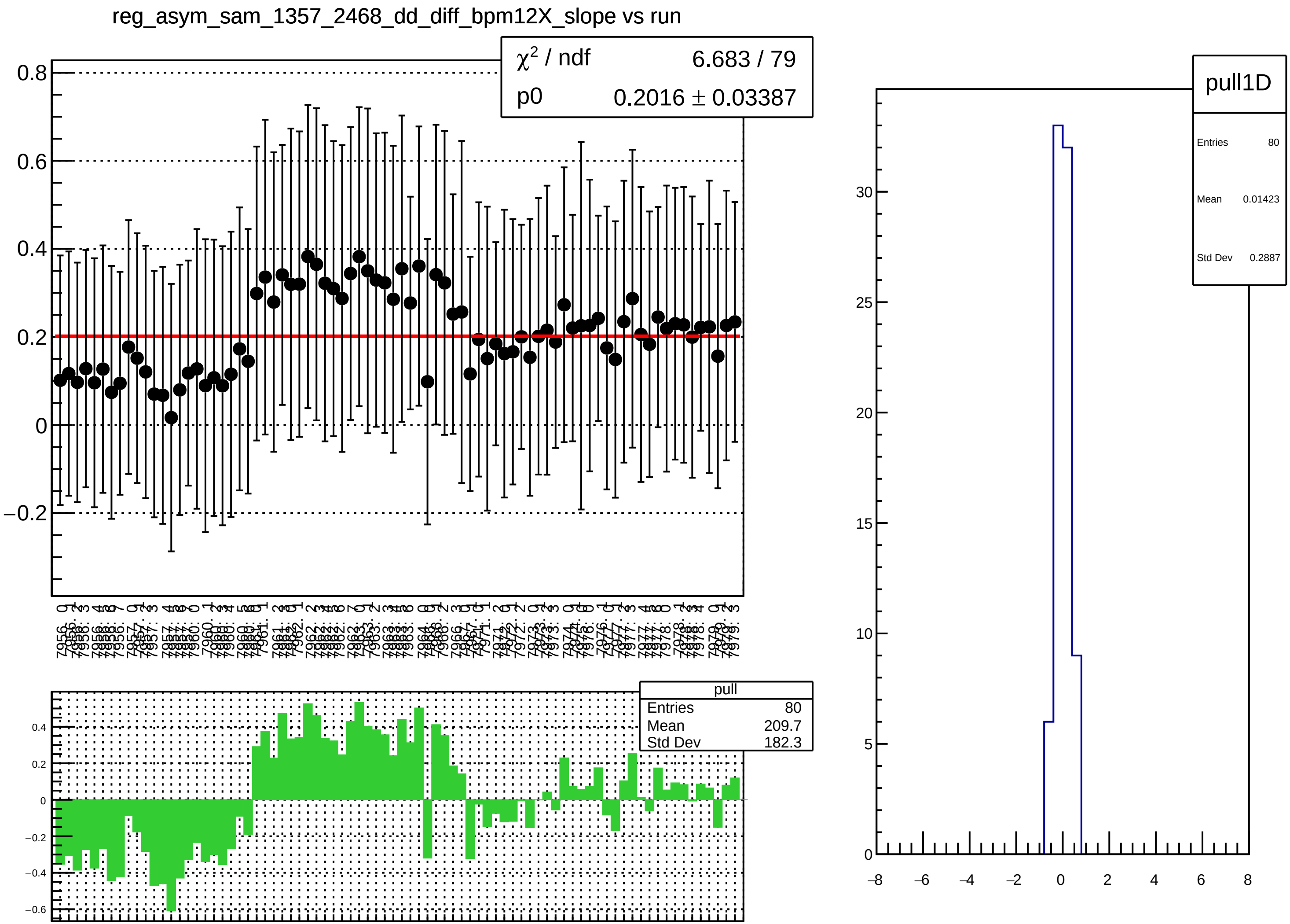


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.045 / 79
p0 1.522 ± 1.026
pull
Entries 80
Mean 929.6
Std Dev 904.5
pull1D
Entries 80
Mean 0.0007471
Std Dev 0.1143

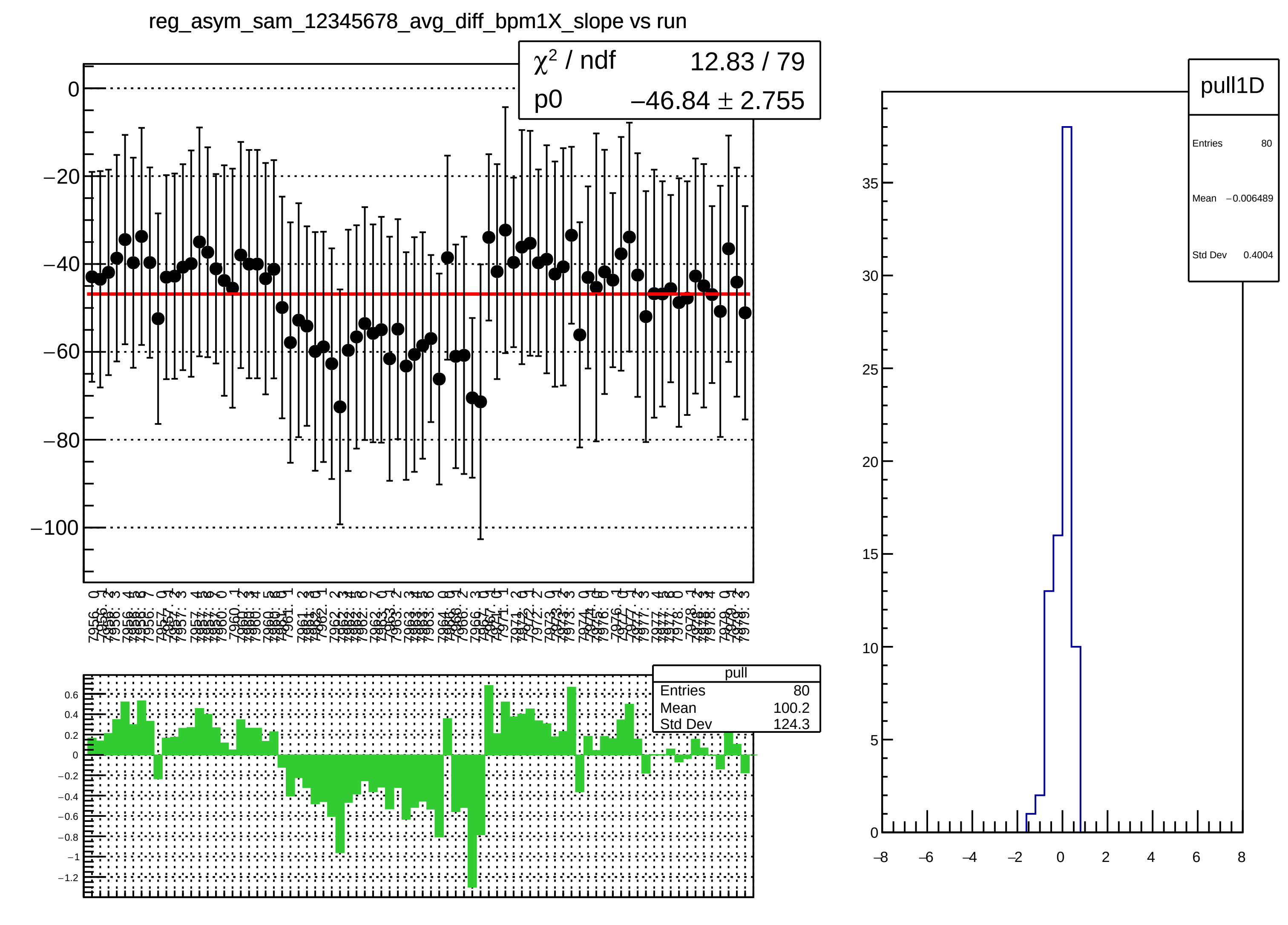

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.495 / 79
p0 15.44 ± 0.8792
pull
Entries 80
Mean 624.9
Std Dev 588.8
pull1D
Entries 80
Mean 0.002951
Std Dev 0.1766



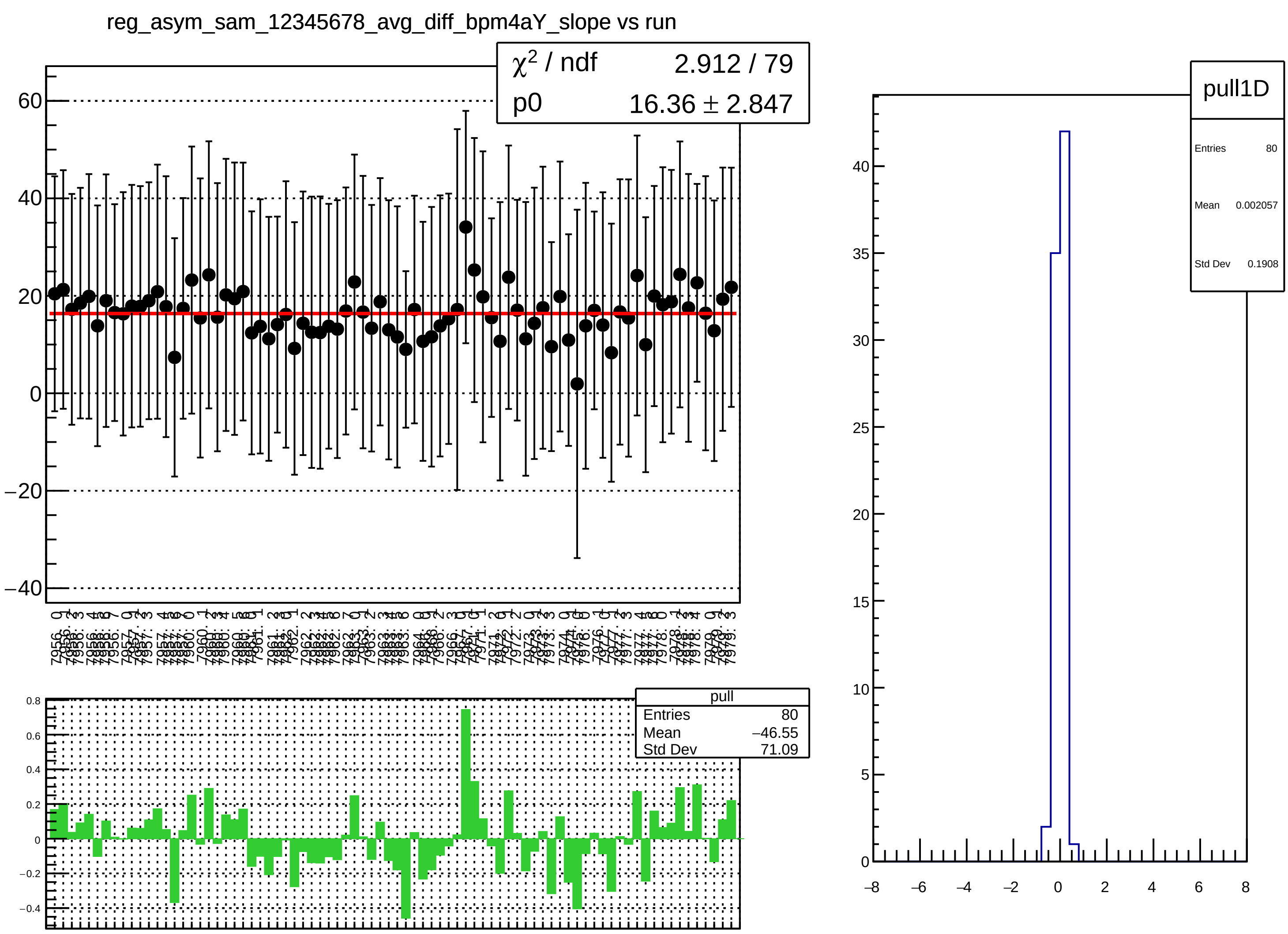
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.084 / 79
p0 −7.078 ± 1.175
pull
Entries 80
Mean 533.4
Std Dev 511.3
pull1D
Entries 80
Mean −0.00147
Std Dev 0.1164



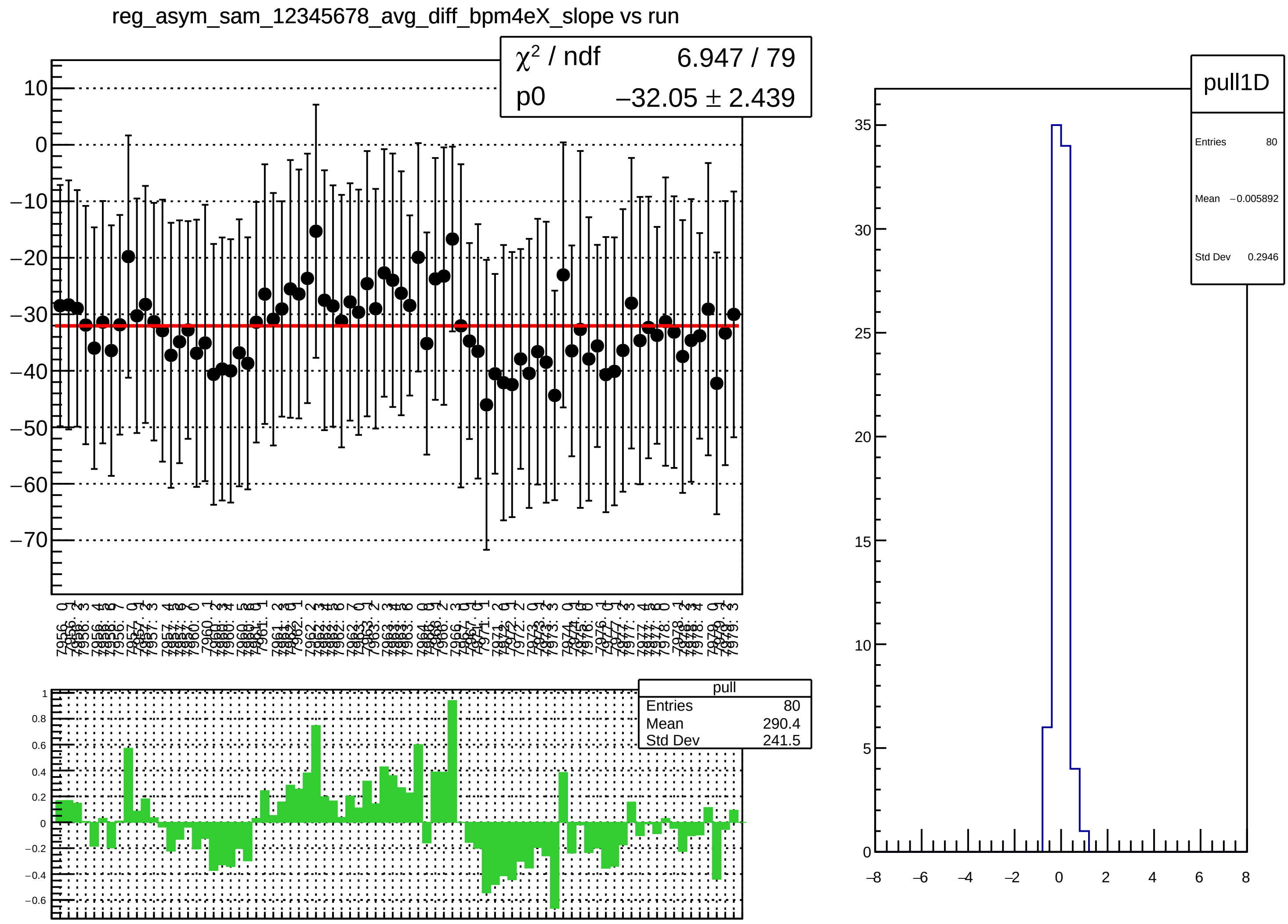
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.683 / 79
p0 0.2016 ± 0.03387
pull
Entries 80
Mean 209.7
Std Dev 182.3
pull1D
Entries 80
Mean 0.01423
Std Dev 0.2887

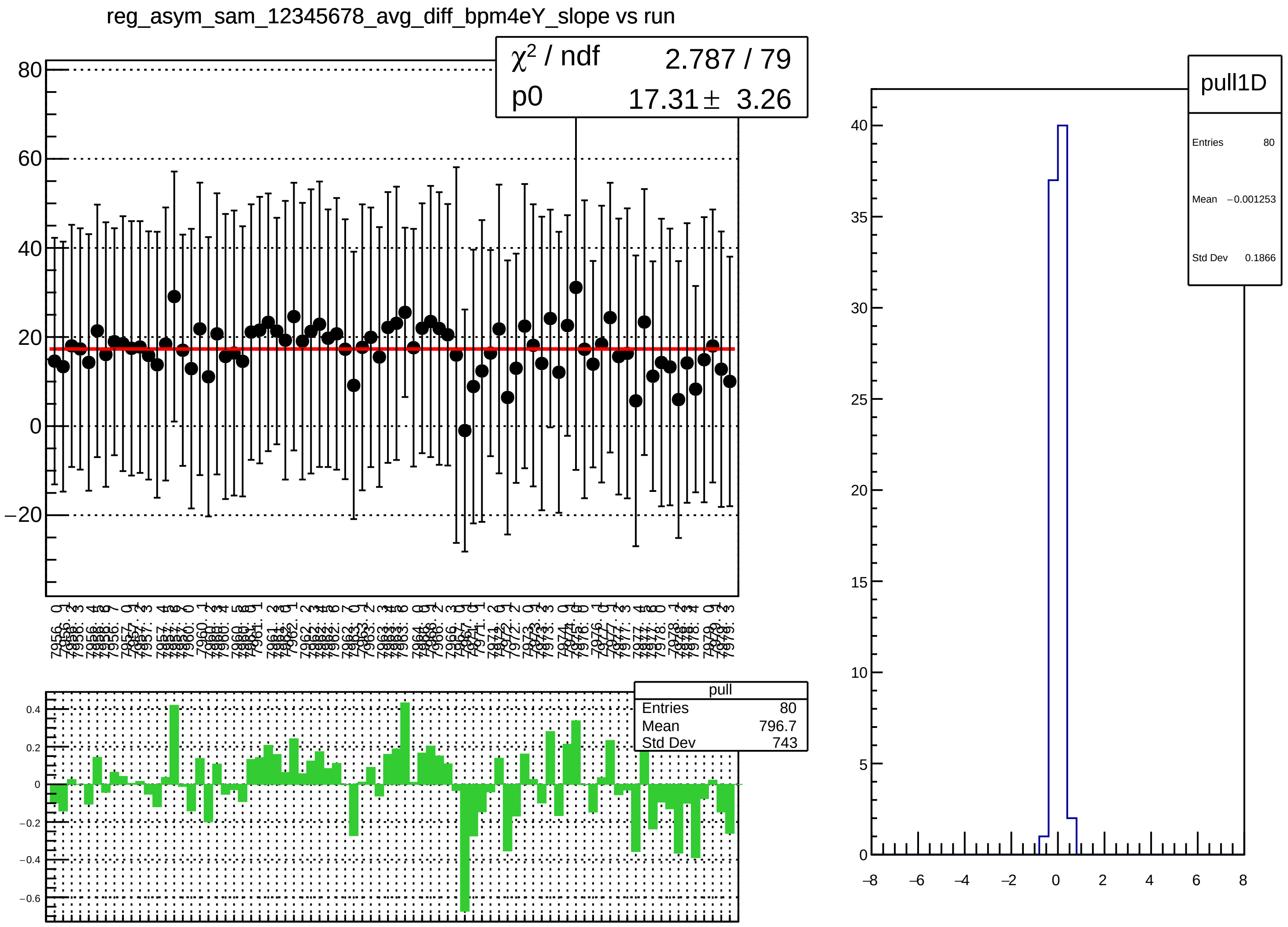


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.83 / 79
p0 −46.84 ± 2.755
pull
Entries 80
Mean 100.2
Std Dev 124.3
pull1D
Entries 80
Mean −0.006489
Std Dev 0.4004

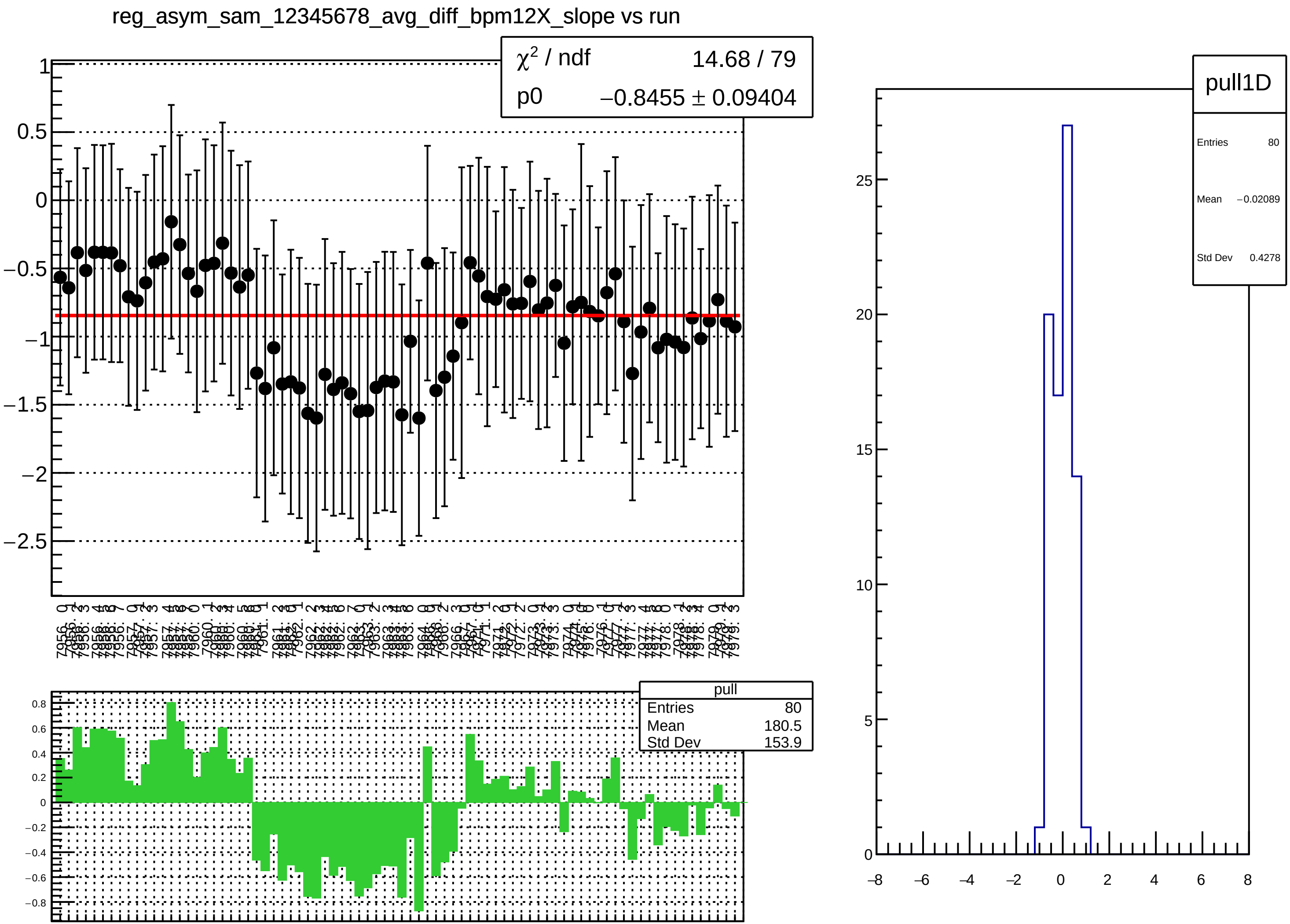


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.912 / 79
p0 16.36 ± 2.847
pull
Entries 80
Mean −46.55
Std Dev 71.09
pull1D
Entries 80
Mean 0.002057
Std Dev 0.1908

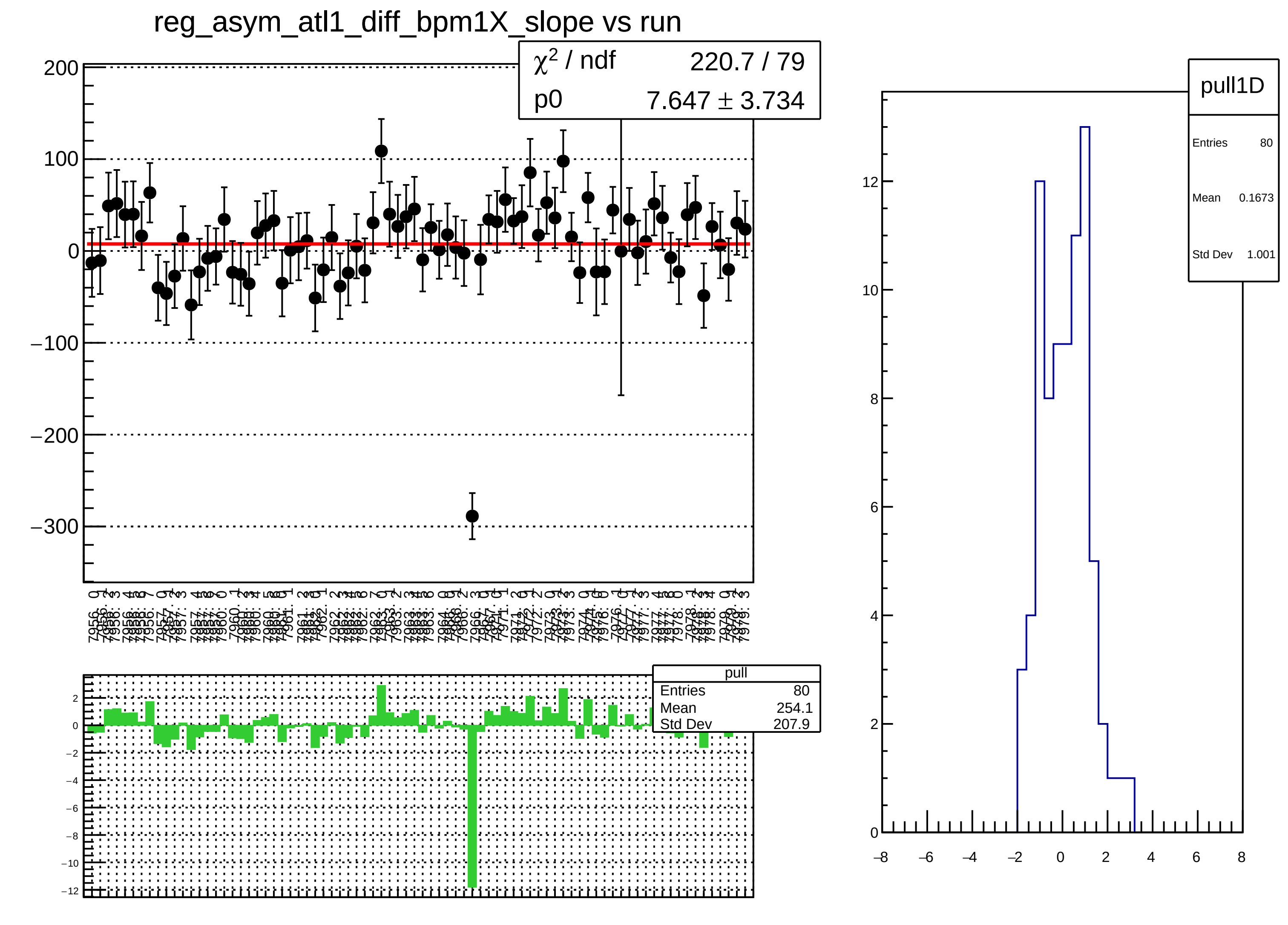

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 6.947 / 79
p0 −32.05 ± 2.439
pull
Entries 80
Mean 290.4
Std Dev 241.5
pull1D
Entries 80
Mean −0.005892
Std Dev 0.2946

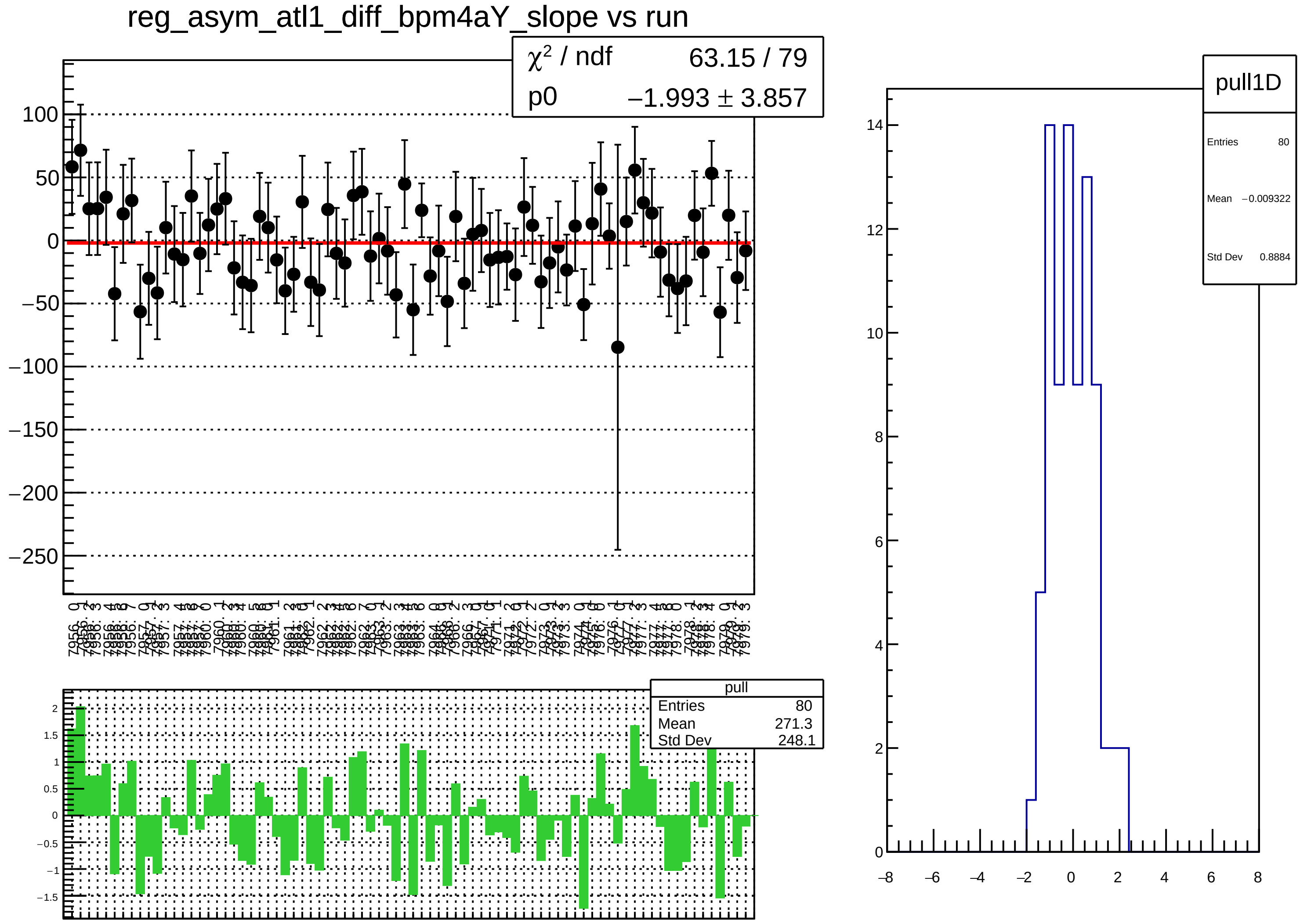


reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.787 / 79
p0 17.31 ± 3.26
pull
Entries 80
Mean 796.7
Std Dev 743
pull1D
Entries 80
Mean −0.001253
Std Dev 0.1866

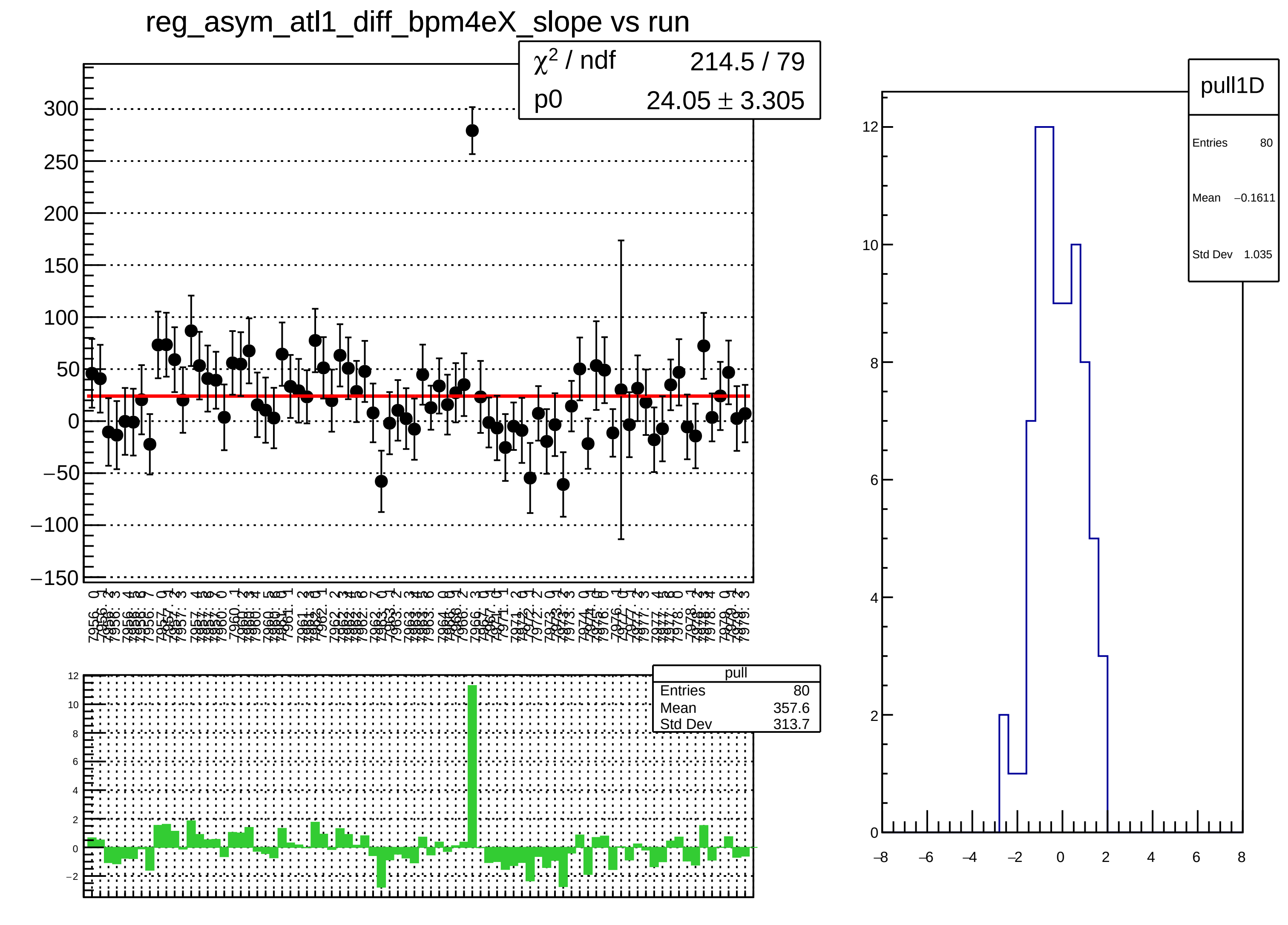


reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ2 / ndf 14.68 / 79
p0 −0.8455 ± 0.09404
pull
Entries 80
Mean 180.5
Std Dev 153.9
pull1D
Entries 80
Mean −0.02089
Std Dev 0.4278

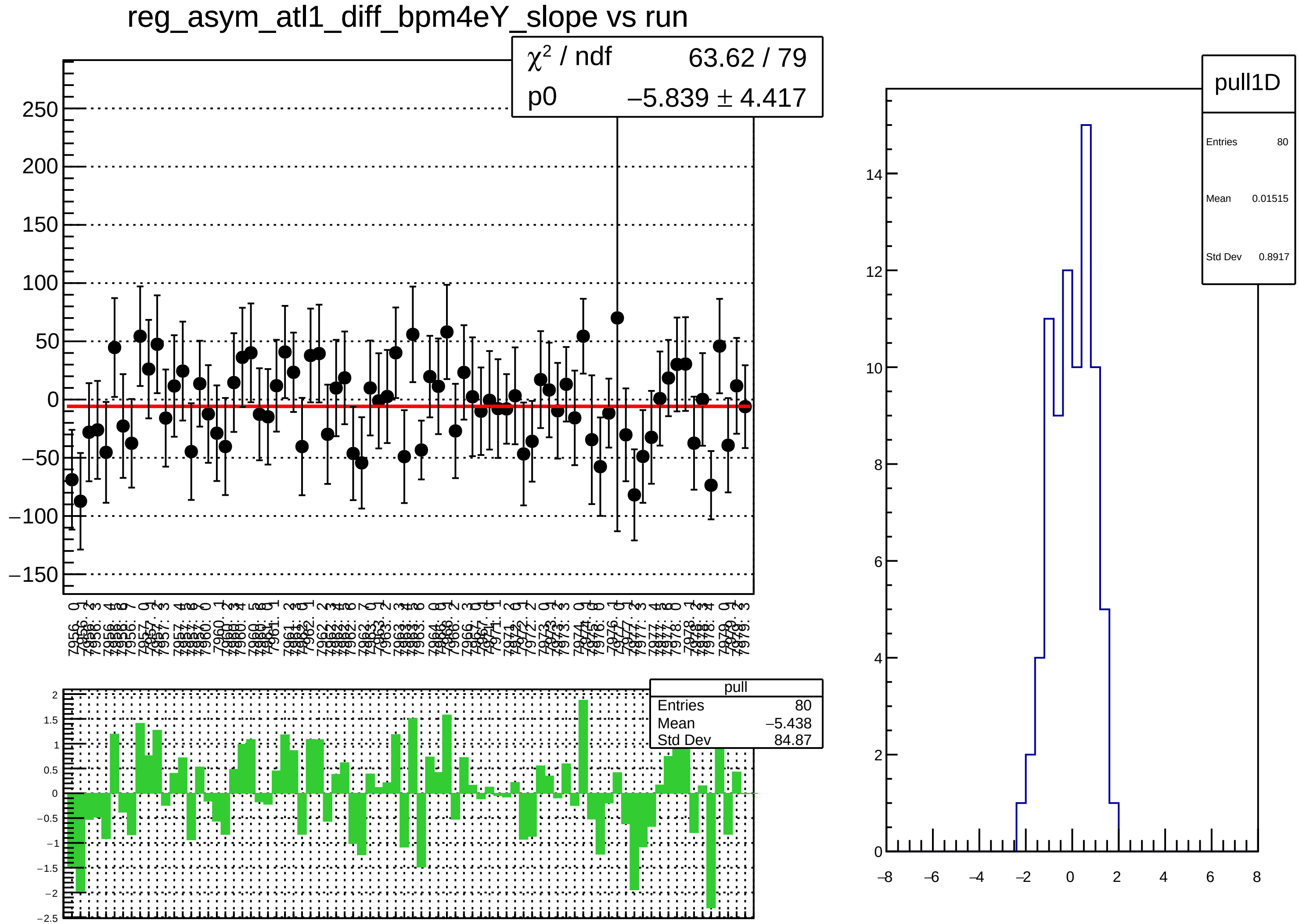

reg_asym_atl1_diff_bpm1X_slope vs run
χ2 / ndf 220.7 / 79
p0 7.647 ± 3.734
pull
Entries 80
Mean 254.1
Std Dev 207.9
pull1D
Entries 80
Mean 0.1673
Std Dev 1.001



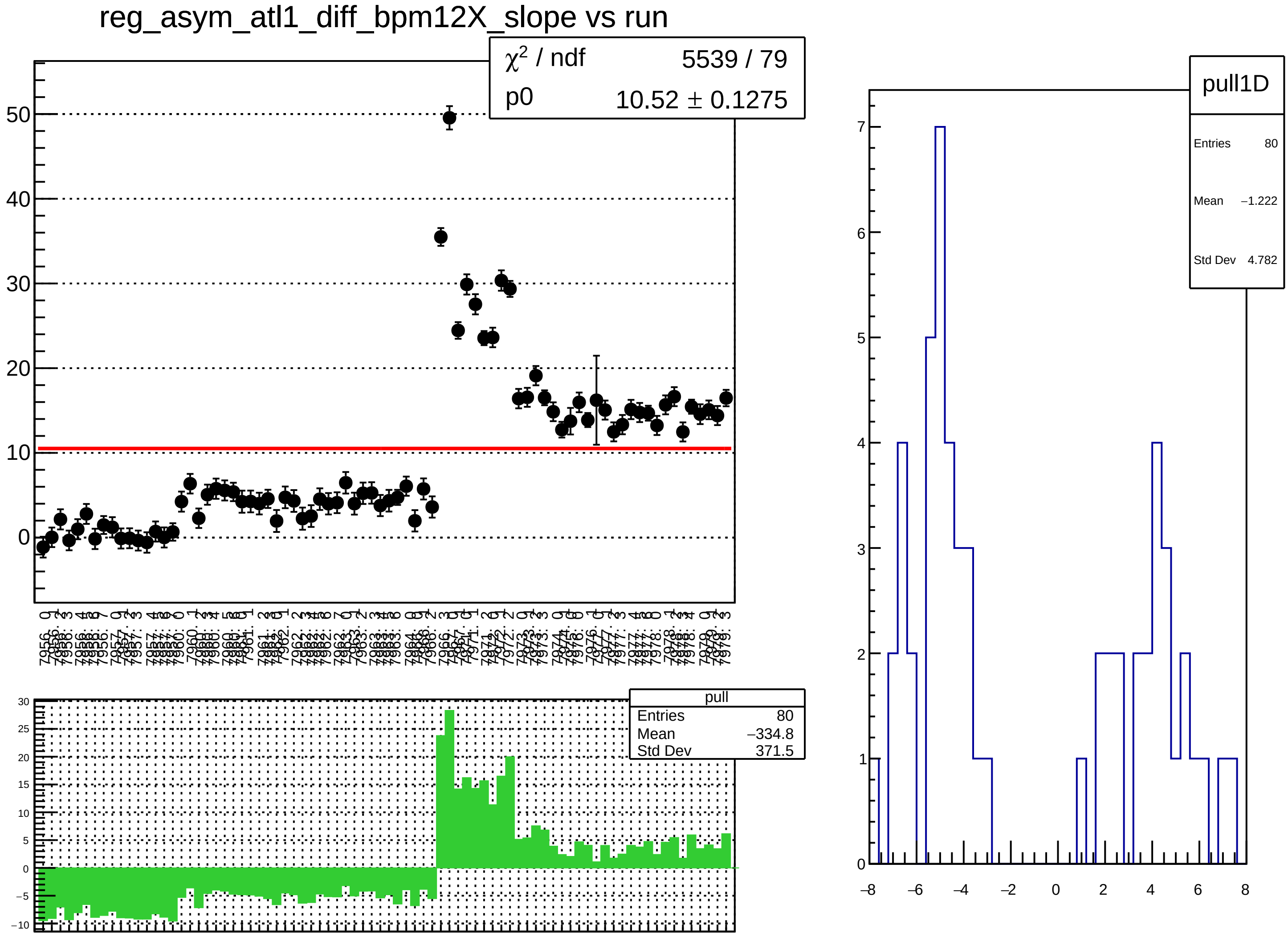
reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 63.15 / 79
p0 −1.993 ± 3.857
pull
Entries 80
Mean 271.3
Std Dev 248.1
pull1D
Entries 80
Mean −0.009322
Std Dev 0.8884



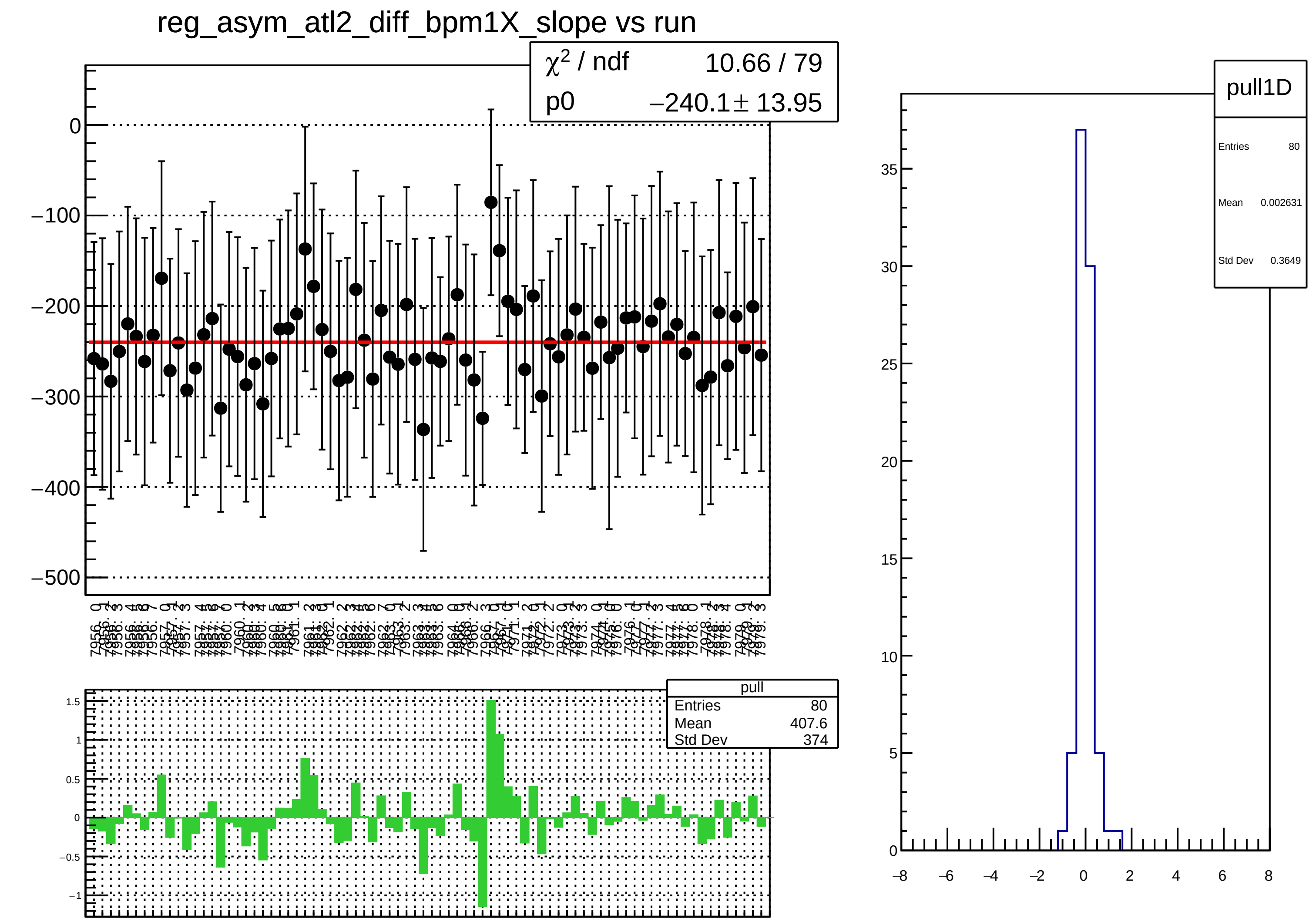
reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 214.5 / 79
p0 24.05 ± 3.305
pull
Entries 80
Mean 357.6
Std Dev 313.7
pull1D
Entries 80
Mean −0.1611
Std Dev 1.035



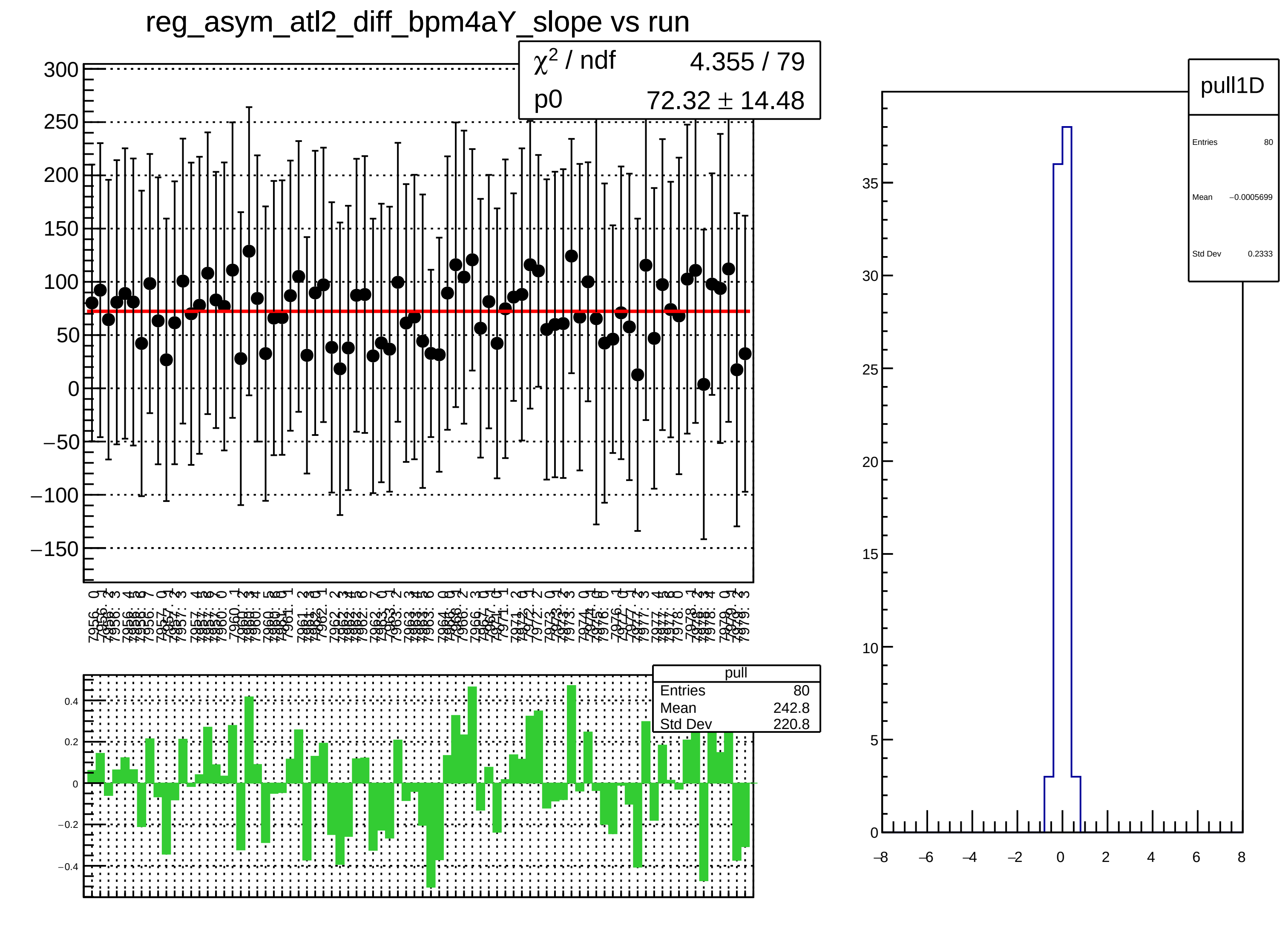
reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 63.62 / 79
p0 −5.839 ± 4.417
pull
Entries 80
Mean −5.438
Std Dev 84.87
pull1D
Entries 80
Mean 0.01515
Std Dev 0.8917



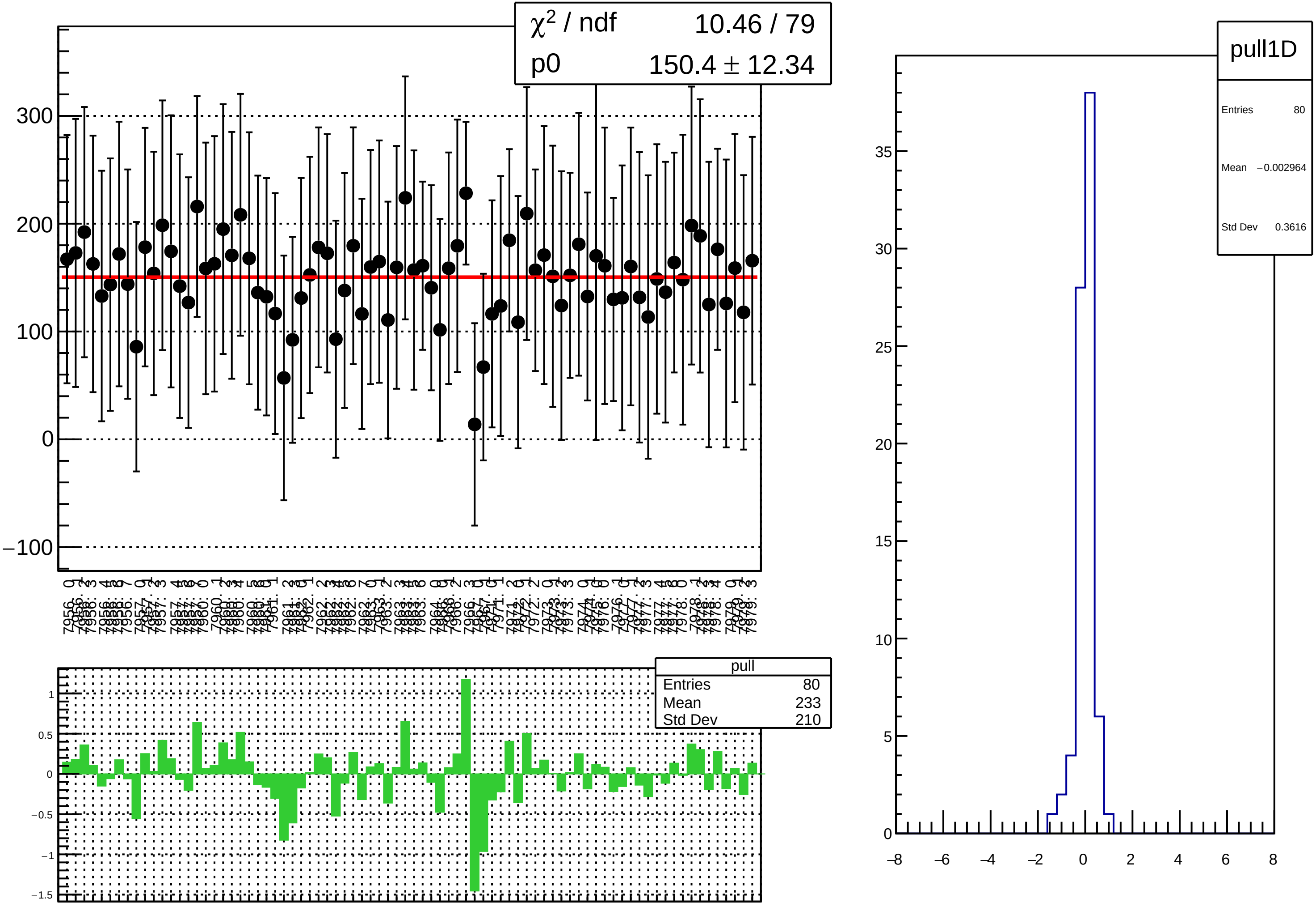
reg_asym_atl1_diff_bpm12X_slope vs run
χ2 / ndf 5539 / 79
p0 10.52 ± 0.1275
pull
Entries 80
Mean −334.8
Std Dev 371.5
pull1D
Entries 80
Mean −1.222
Std Dev 4.782

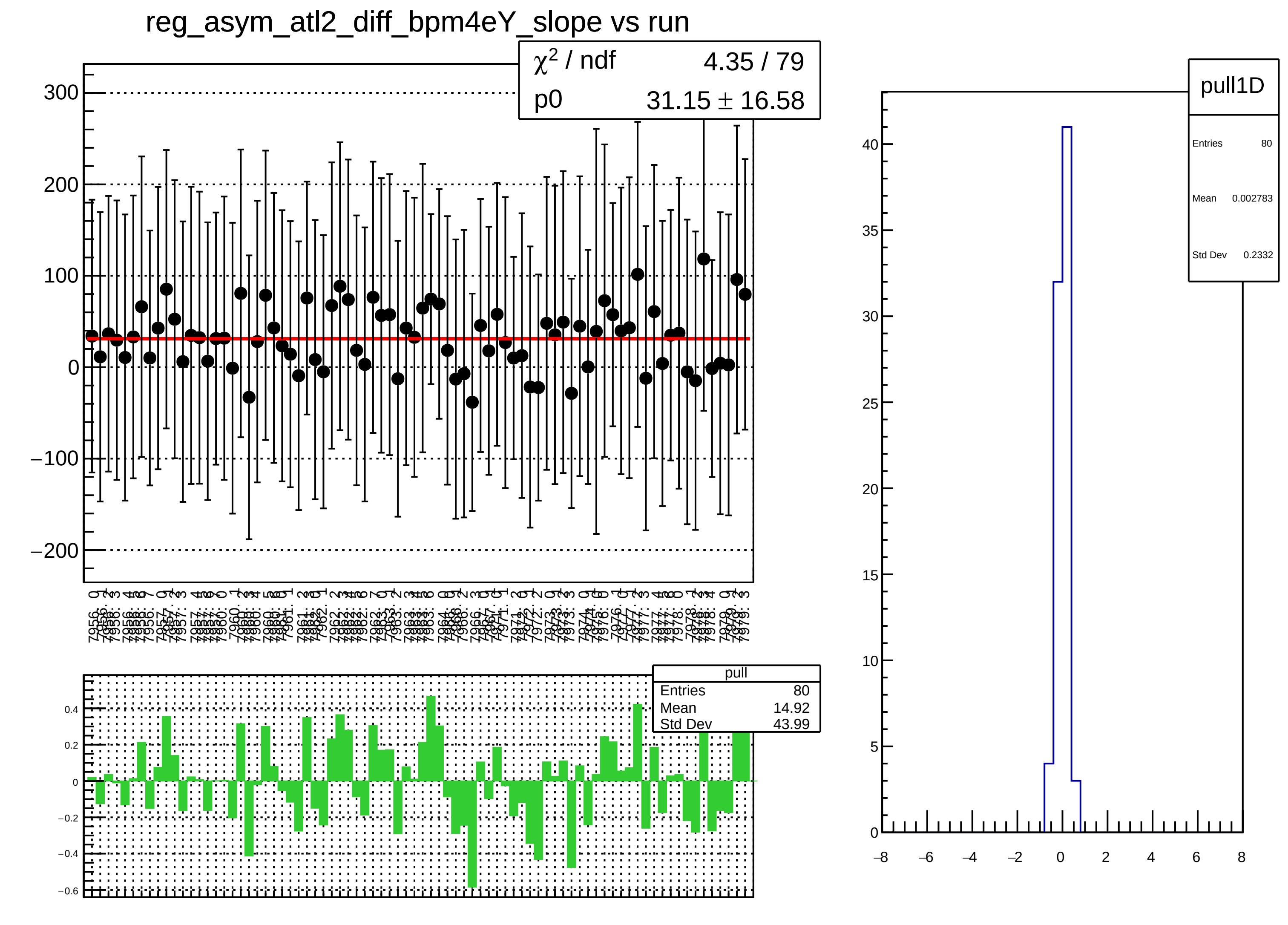


reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 10.66 / 79
p0 −240.1 ± 13.95
pull
Entries 80
Mean 407.6
Std Dev 374
pull1D
Entries 80
Mean 0.002631
Std Dev 0.3649

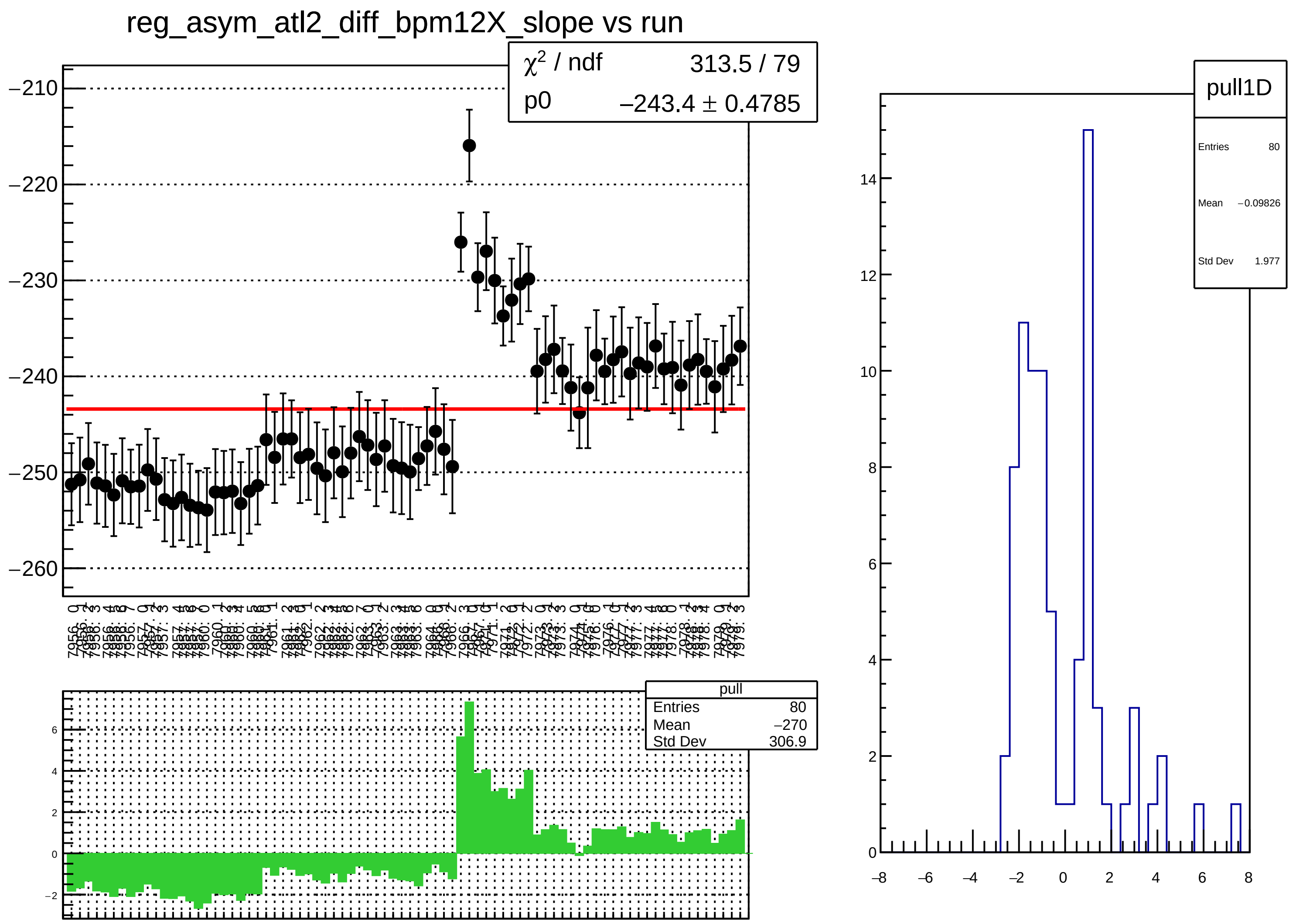

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.355 / 79
p0 72.32 ± 14.48
pull
Entries 80
Mean 242.8
Std Dev 220.8
pull1D
Entries 80
Mean −0.0005699
Std Dev 0.2333

reg_asym_atl2_diff_bpm4eX_slope vs run



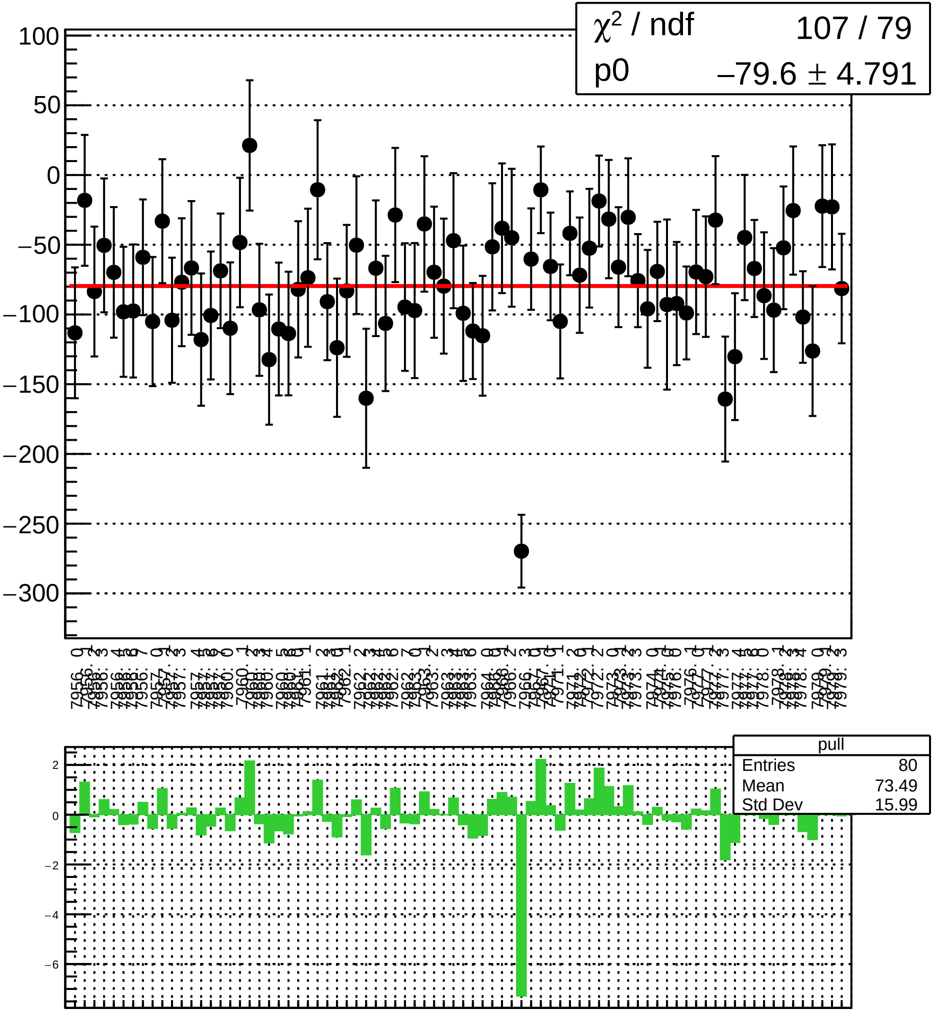


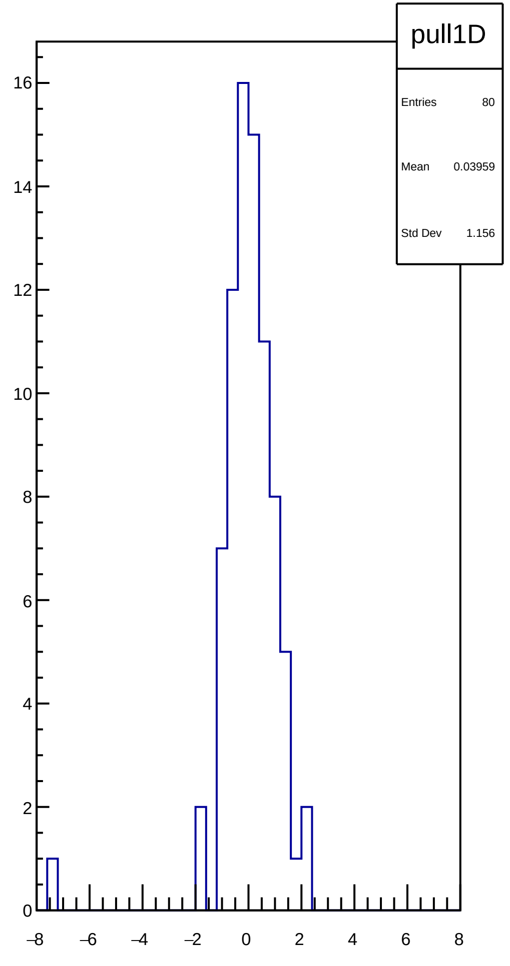
reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.35 / 79
p0 31.15 ± 16.58
pull
Entries 80
Mean 14.92
Std Dev 43.99
pull1D
Entries 80
Mean 0.002783
Std Dev 0.2332

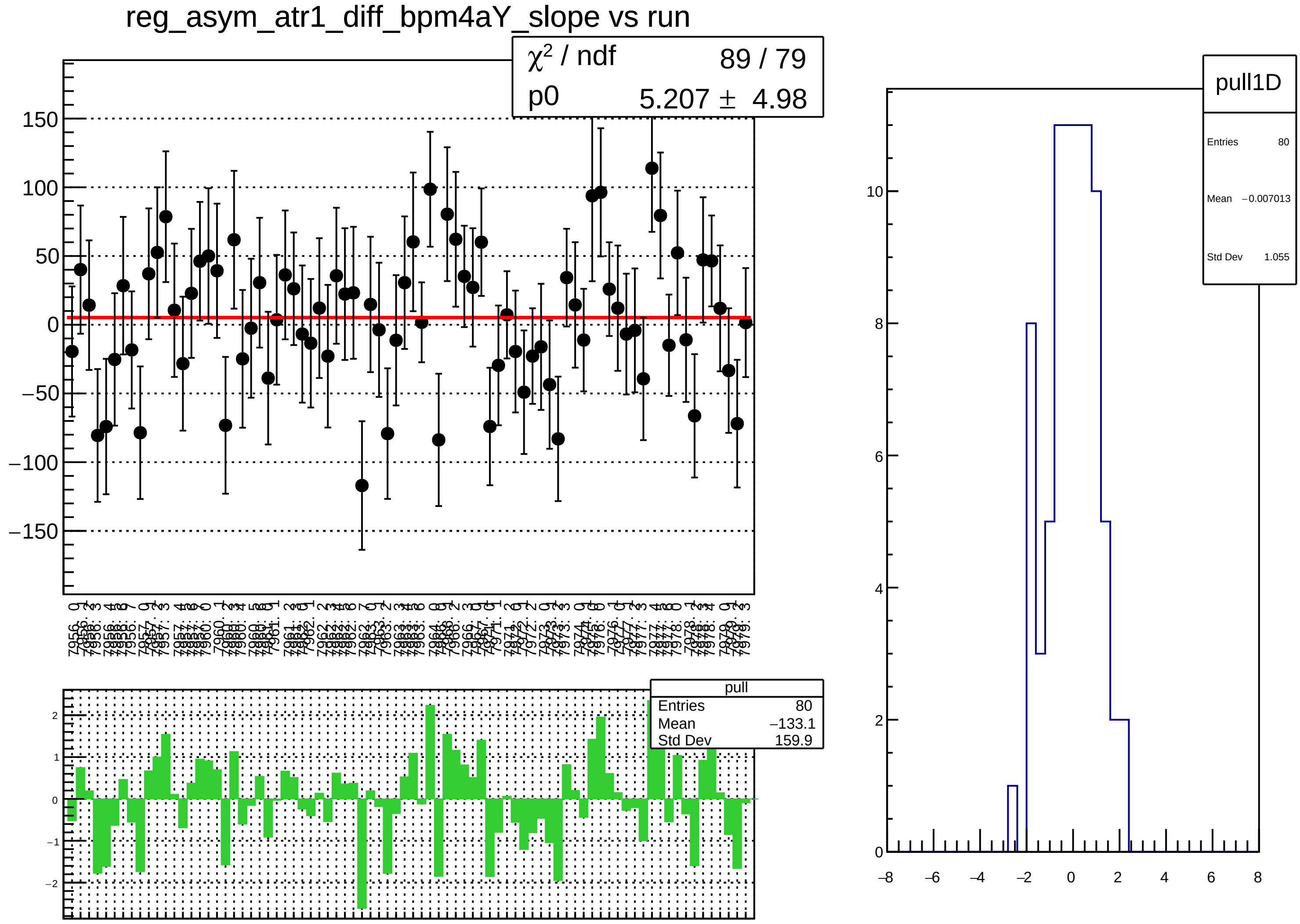


reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 313.5 / 79
p0 −243.4 ± 0.4785
pull
Entries 80
Mean −270
Std Dev 306.9
pull1D
Entries 80
Mean −0.09826
Std Dev 1.977

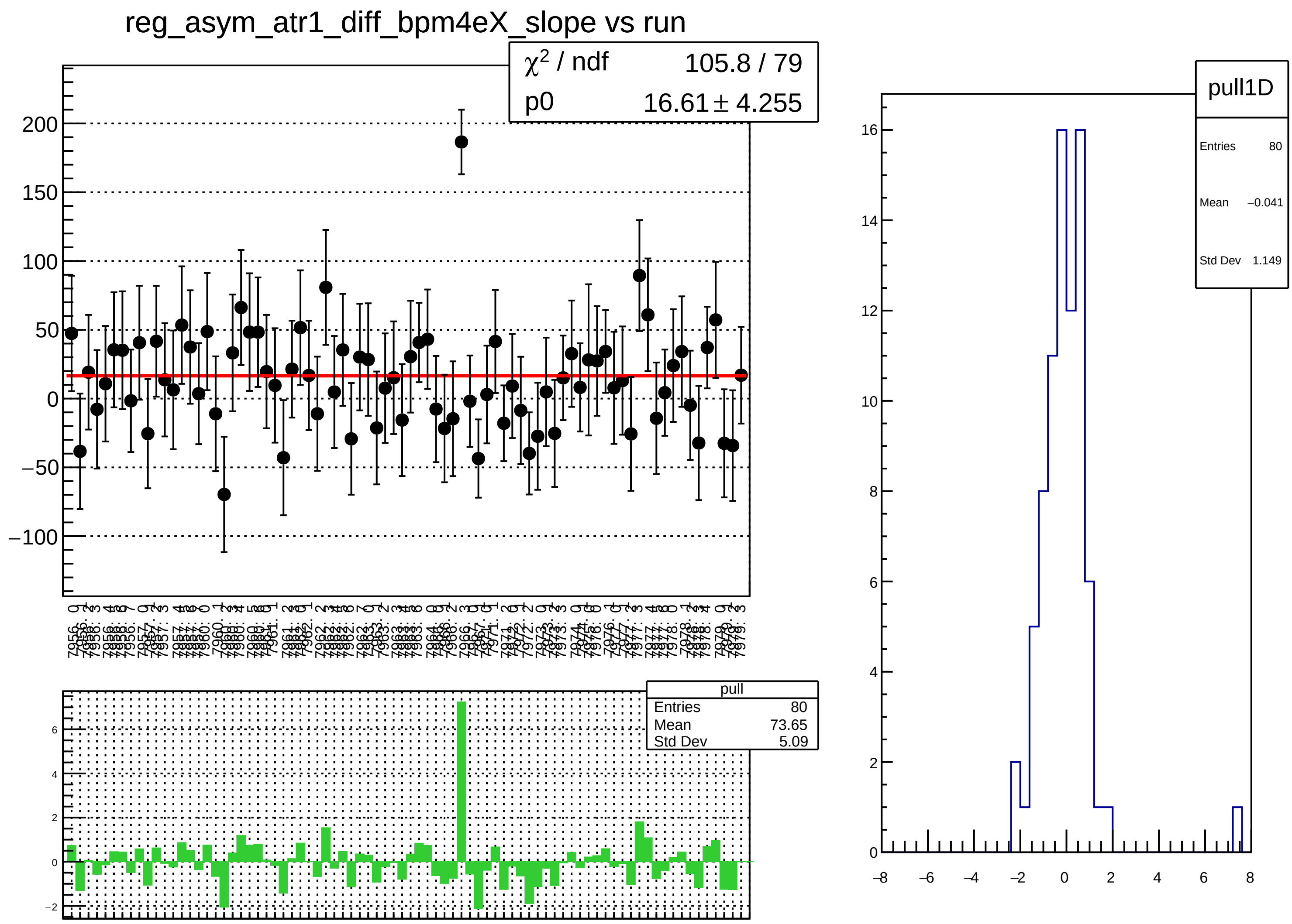
reg_asym_atr1_diff_bpm1X_slope vs run

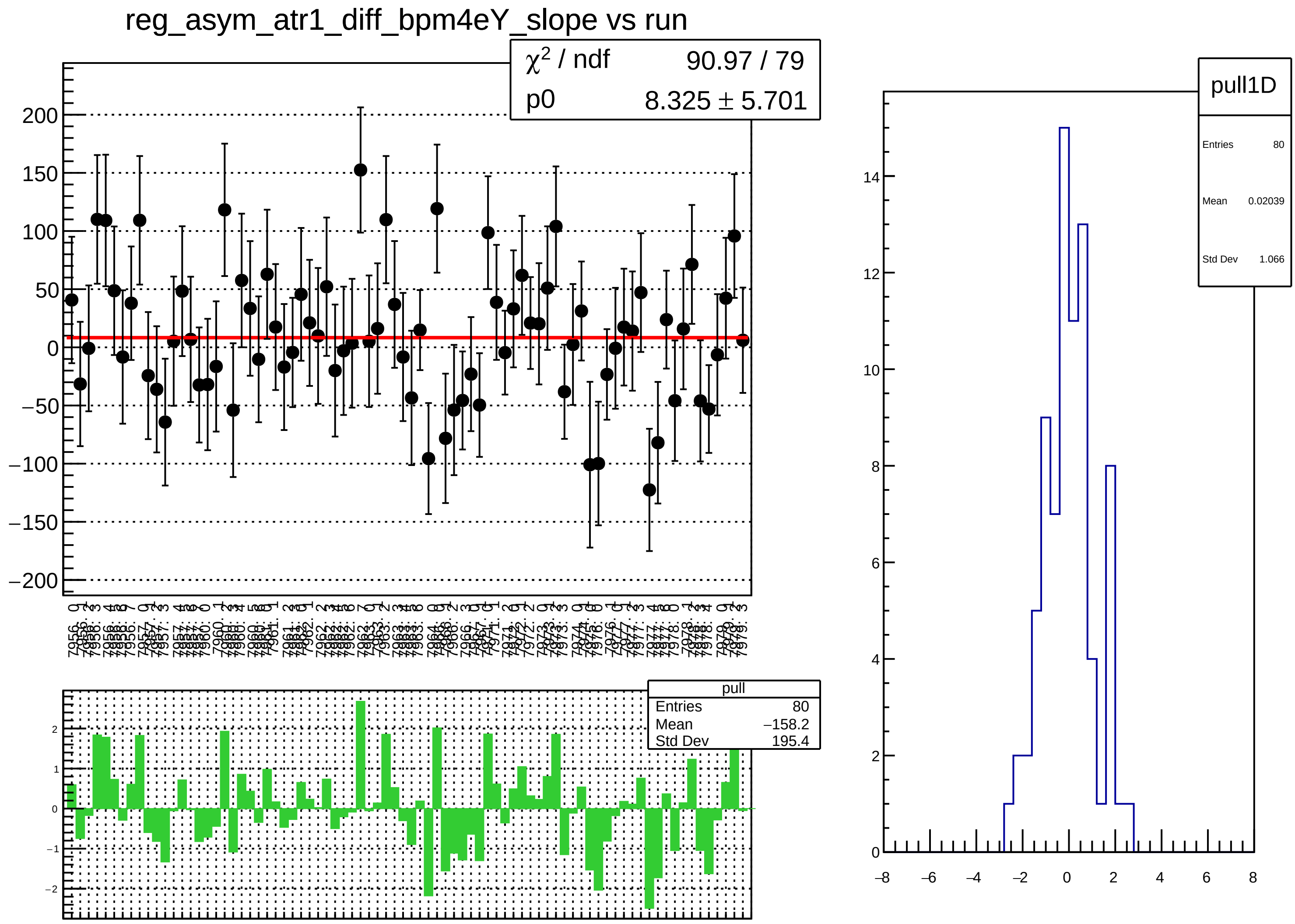




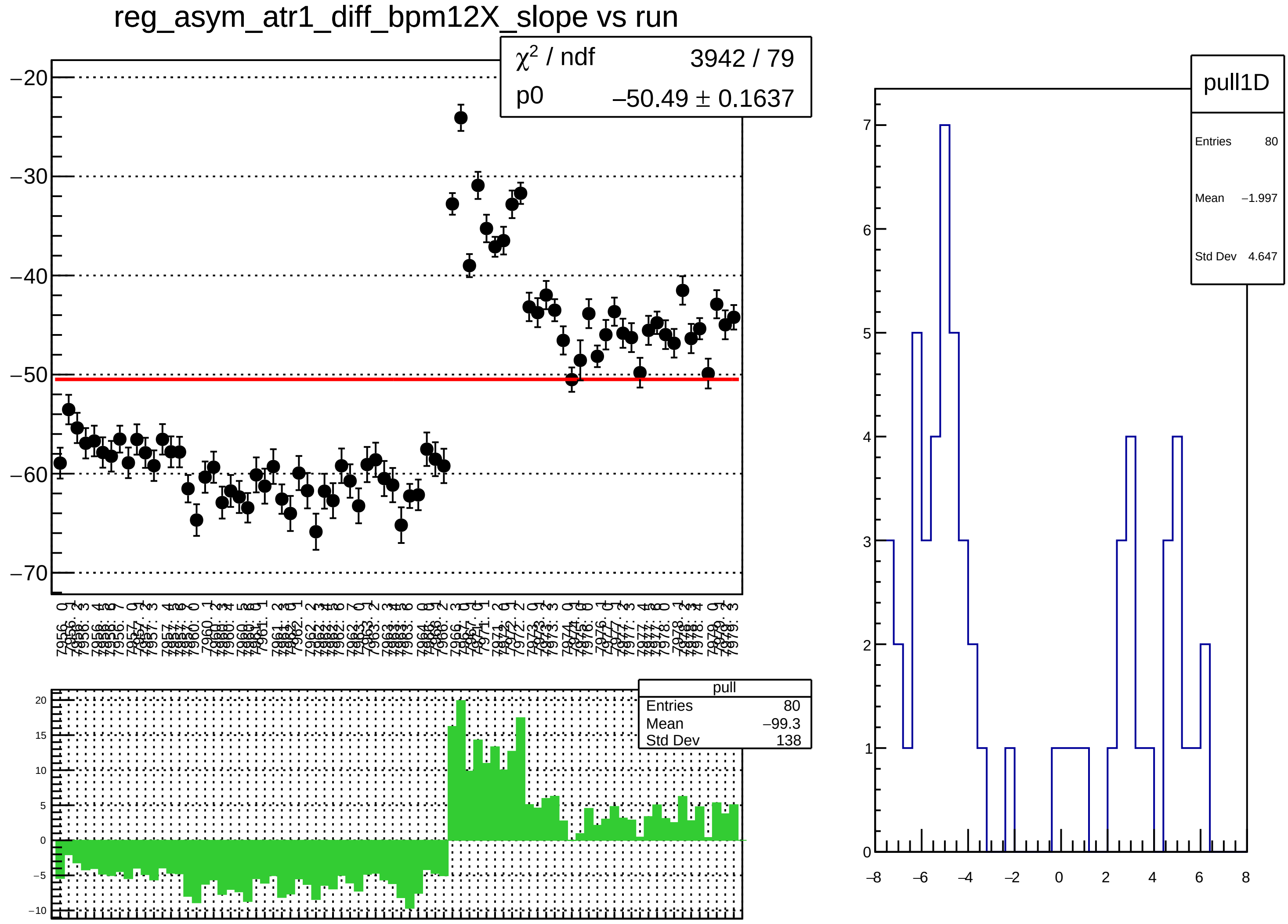


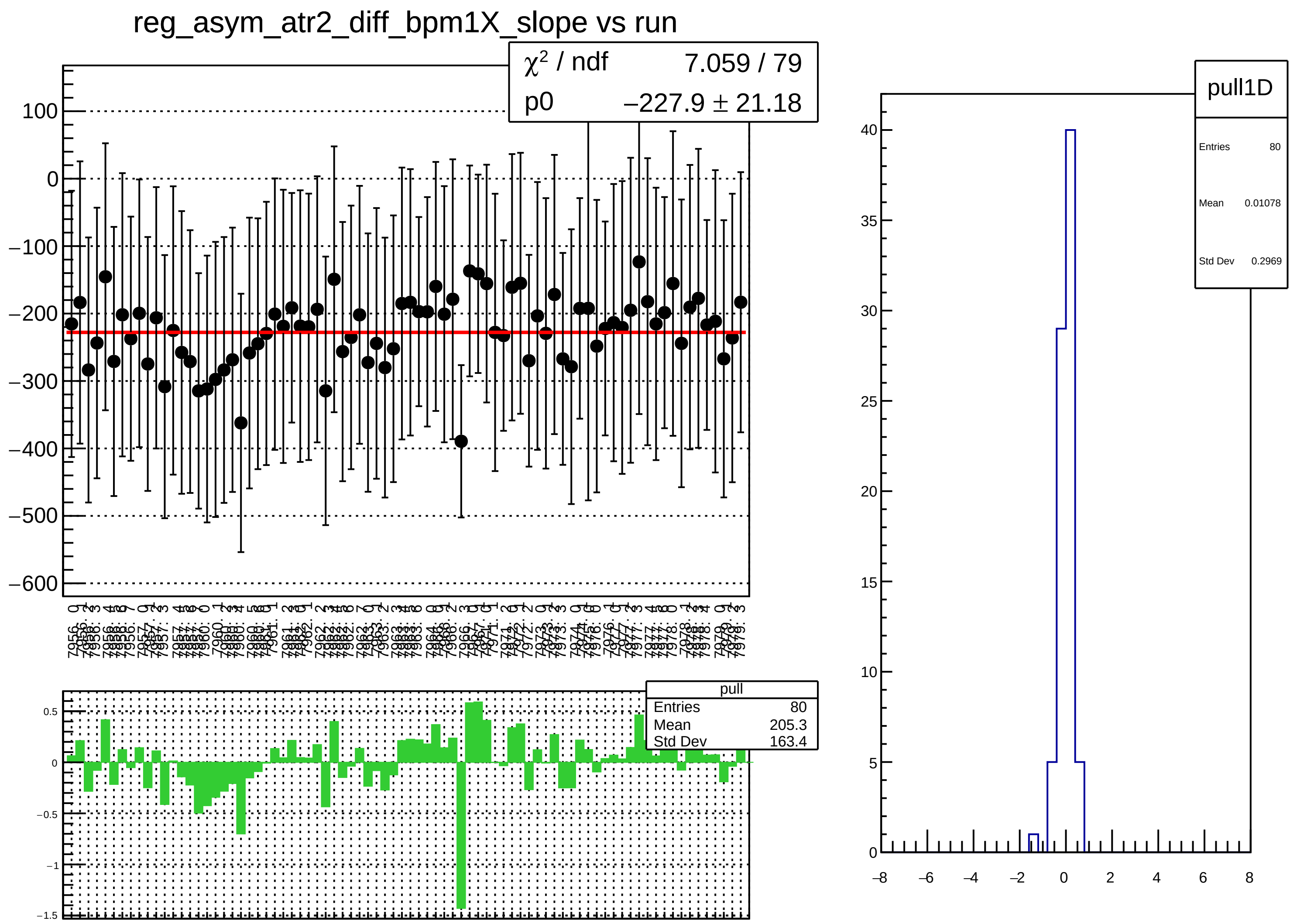
reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 89 / 79
p0 5.207 ± 4.98
pull
Entries 80
Mean −133.1
Std Dev 159.9
pull1D
Entries 80
Mean −0.007013
Std Dev 1.055


reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / 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

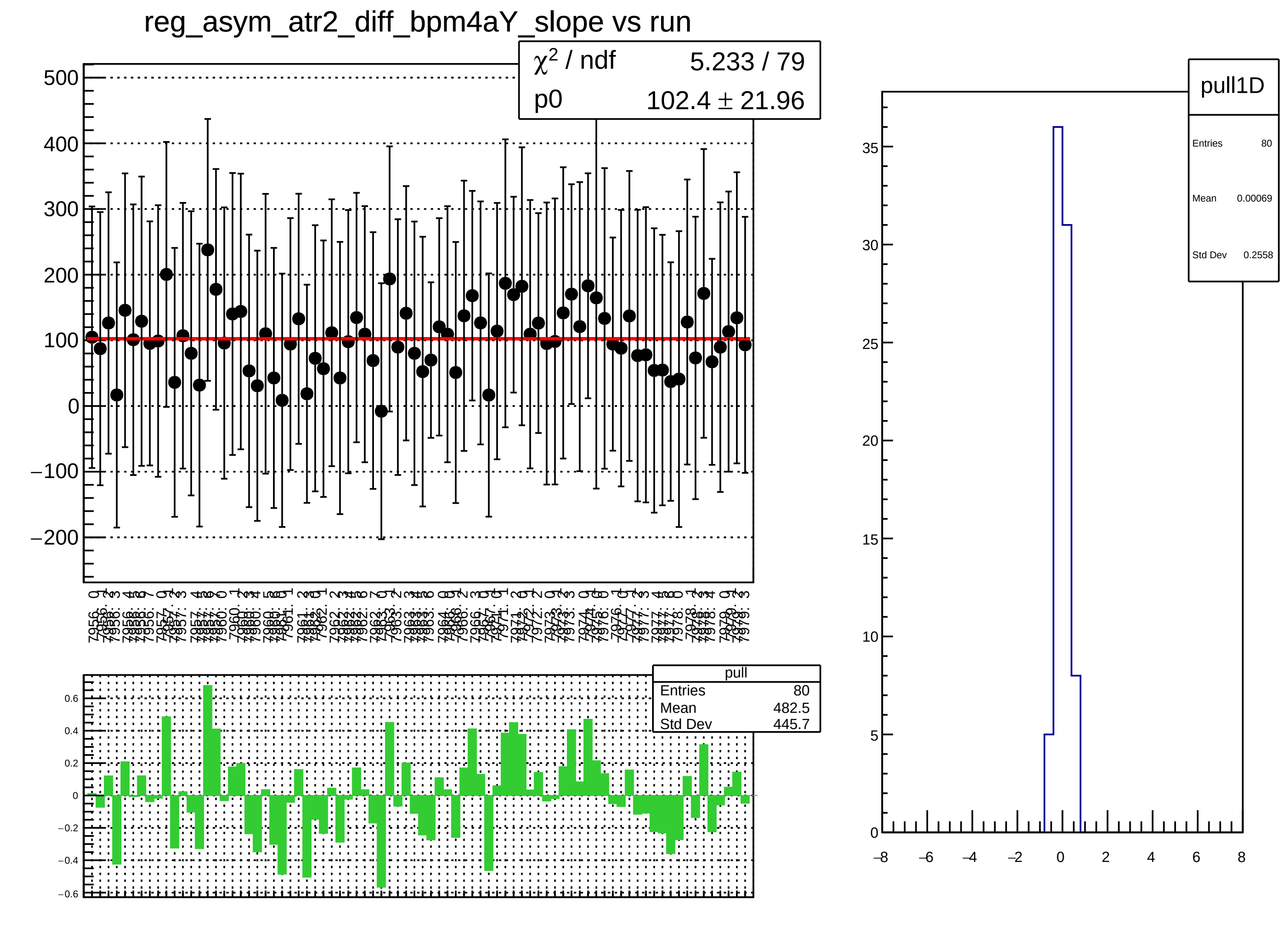


reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 90.97 / 79
p0 8.325 ± 5.701
pull
Entries 80
Mean −158.2
Std Dev 195.4
pull1D
Entries 80
Mean 0.02039
Std Dev 1.066

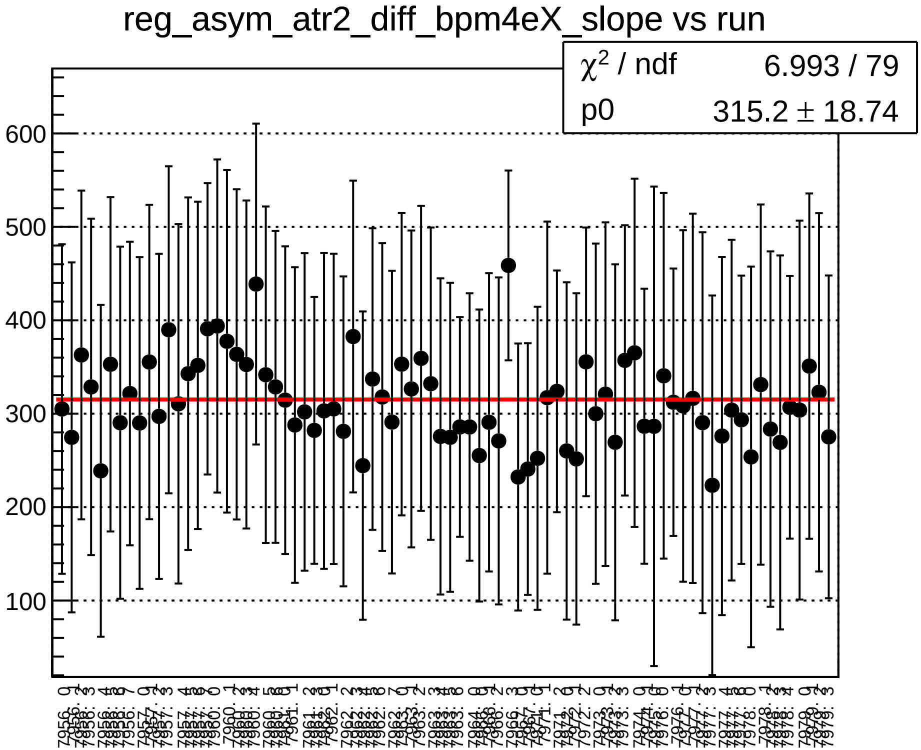

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 3942 / 79
p0 −50.49 ± 0.1637
pull
Entries 80
Mean −99.3
Std Dev 138
pull1D
Entries 80
Mean −1.997
Std Dev 4.647



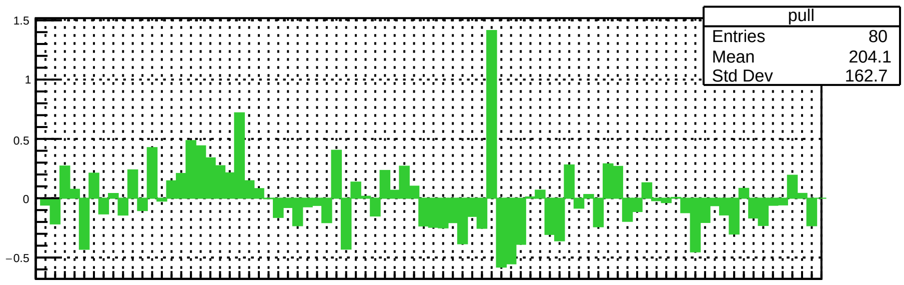
reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 7.059 / 79
p0 −227.9 ± 21.18
pull
Entries 80
Mean 205.3
Std Dev 163.4
pull1D
Entries 80
Mean 0.01078
Std Dev 0.2969



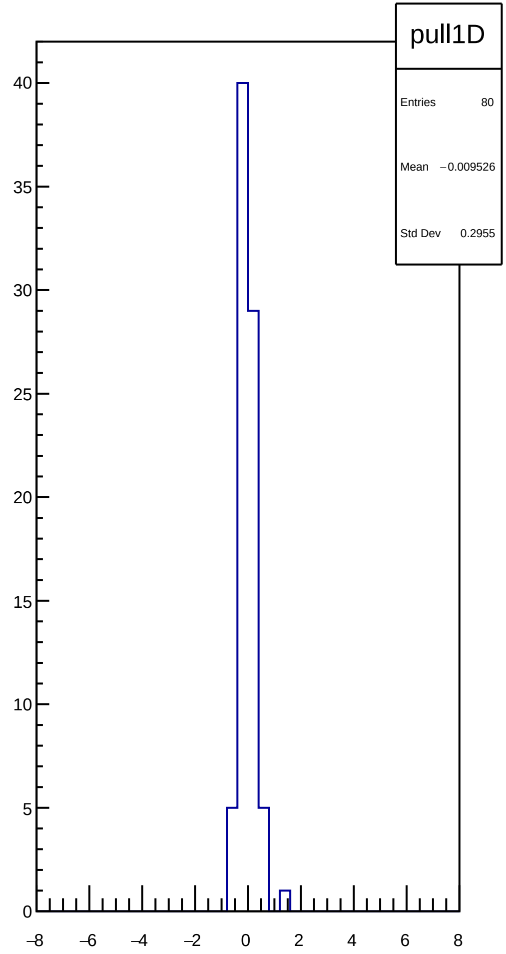
reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.233 / 79
p0 102.4 ± 21.96
pull
Entries 80
Mean 482.5
Std Dev 445.7
pull1D
Entries 80
Mean 0.00069
Std Dev 0.2558



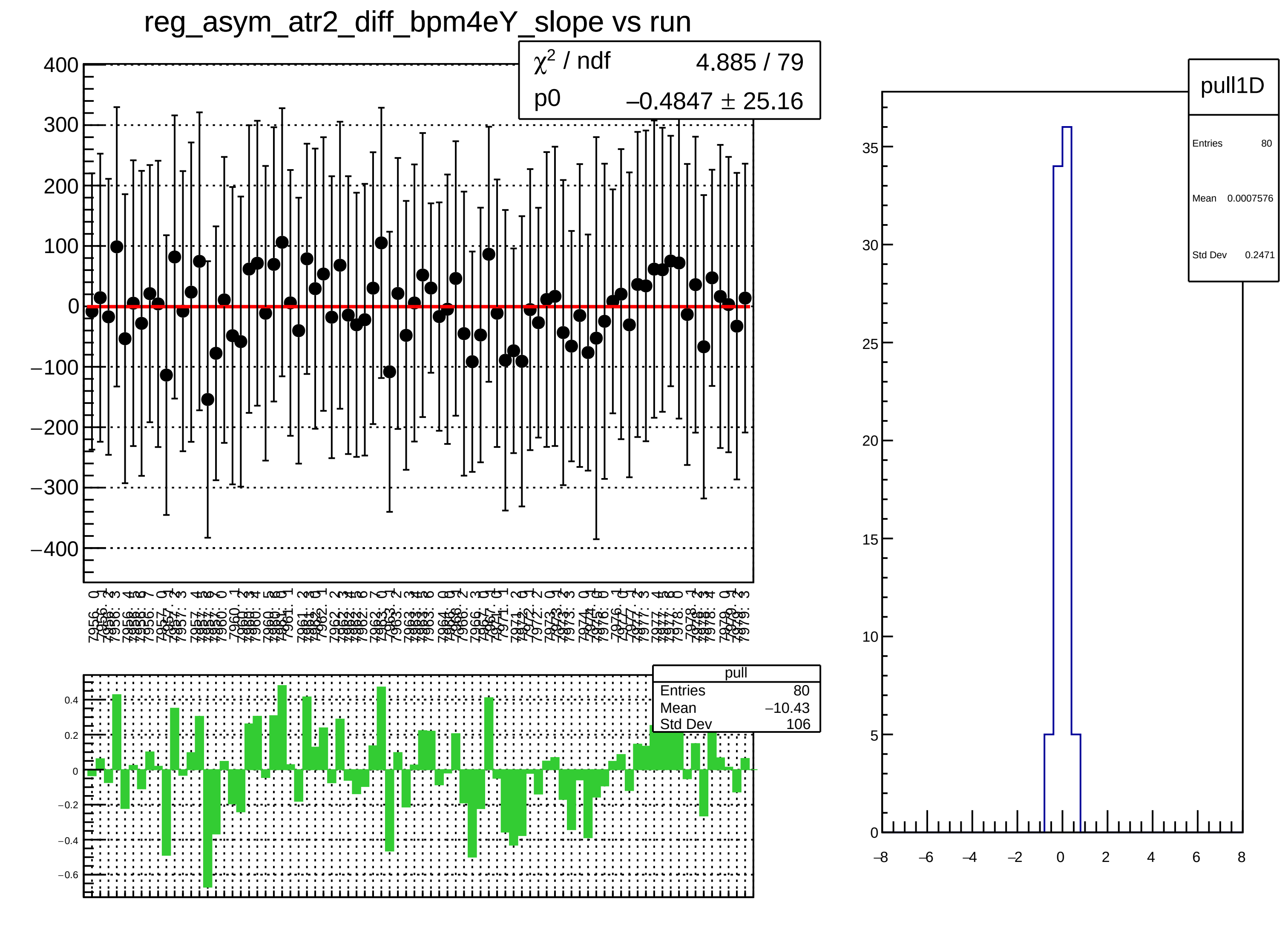
reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 6.993 / 79
p0 315.2 ± 18.74
600
500
400
300
200
100

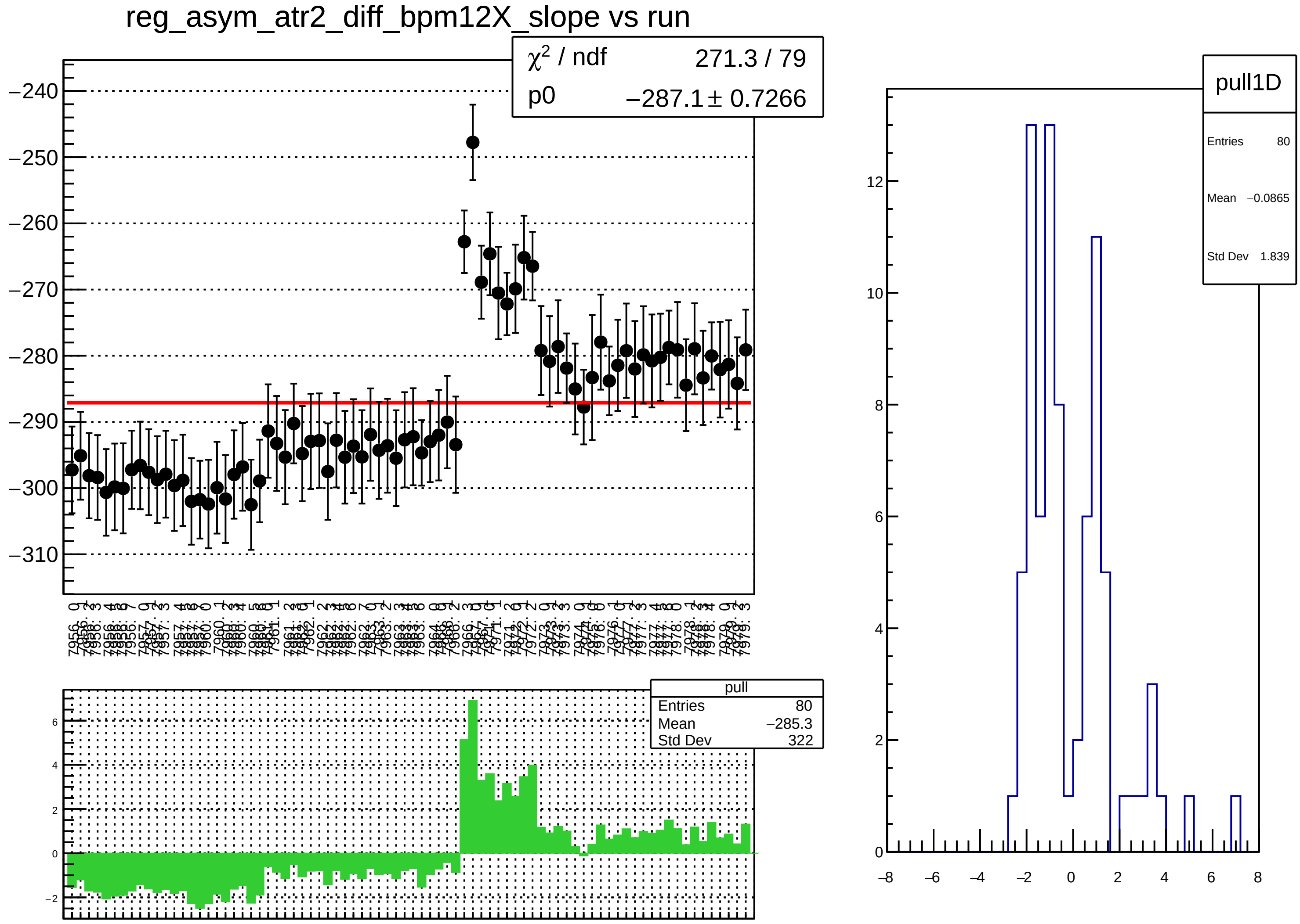


pull
Entries 80
Mean 204.1
Std Dev 162.7
1.5
1
0.5
0
−0.5

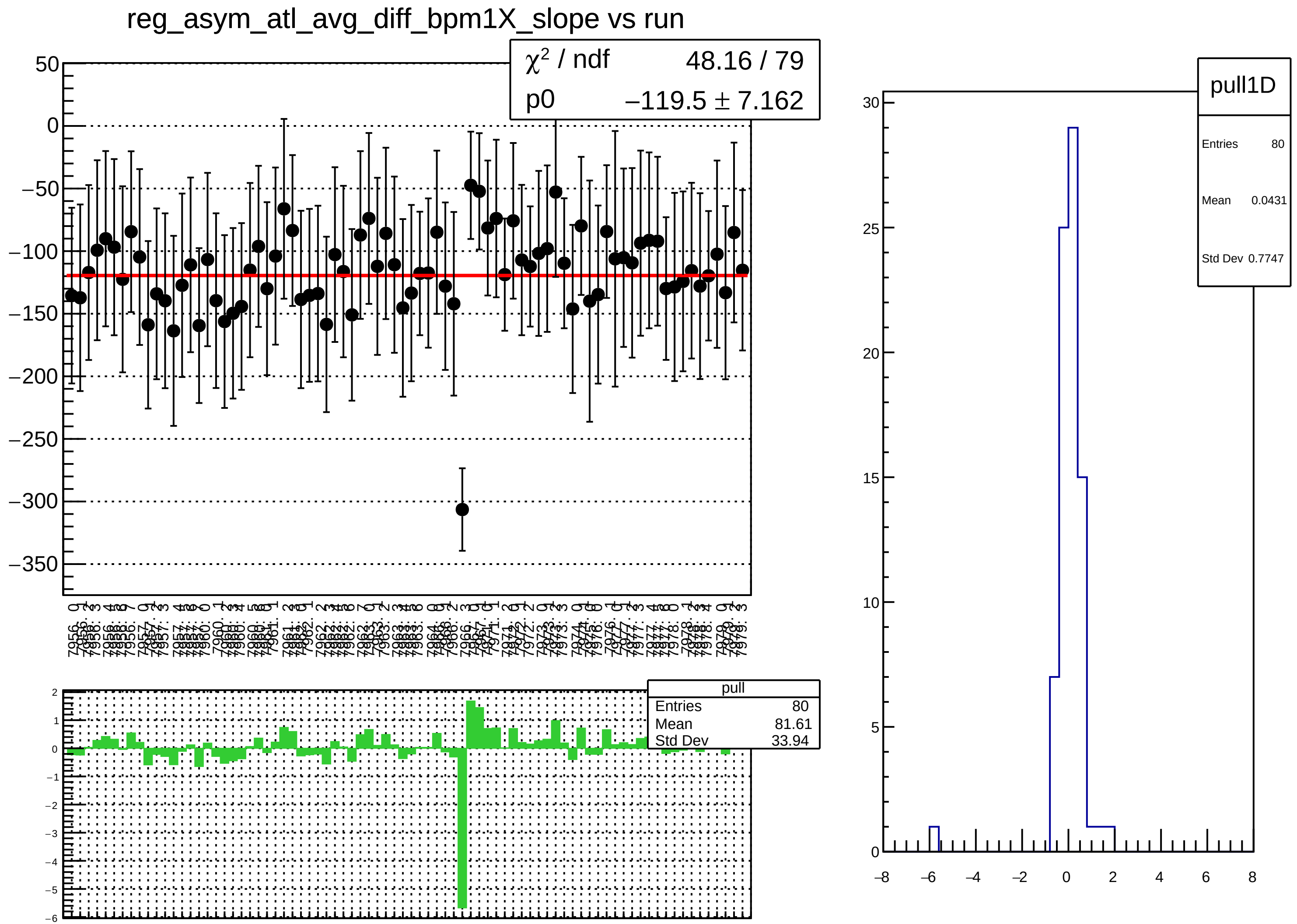


pull1D
Entries 80
Mean −0.009526
Std Dev 0.2955
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

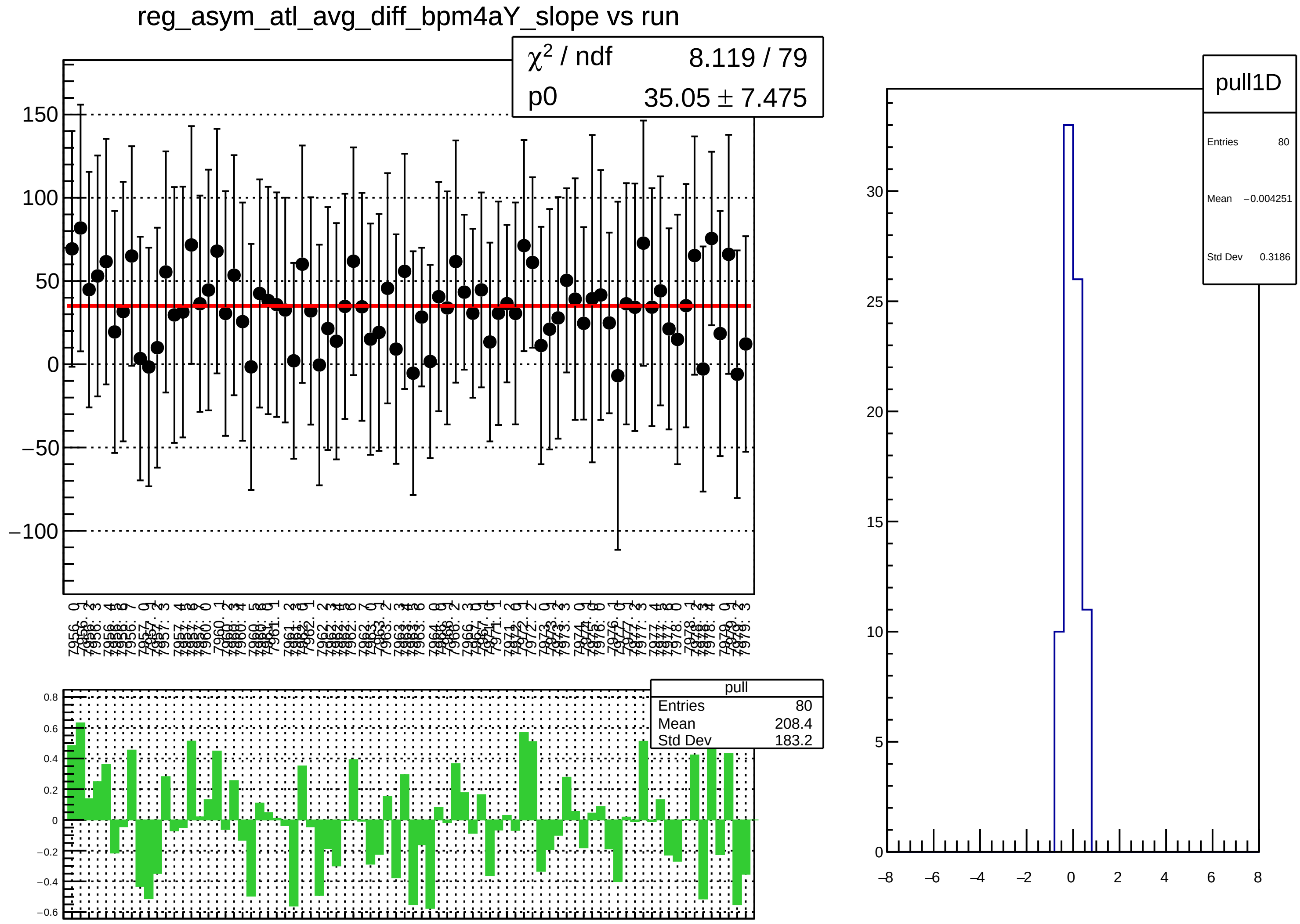

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.885 / 79
p0 −0.4847 ± 25.16
pull
Entries 80
Mean −10.43
Std Dev 106
pull1D
Entries 80
Mean 0.0007576
Std Dev 0.2471



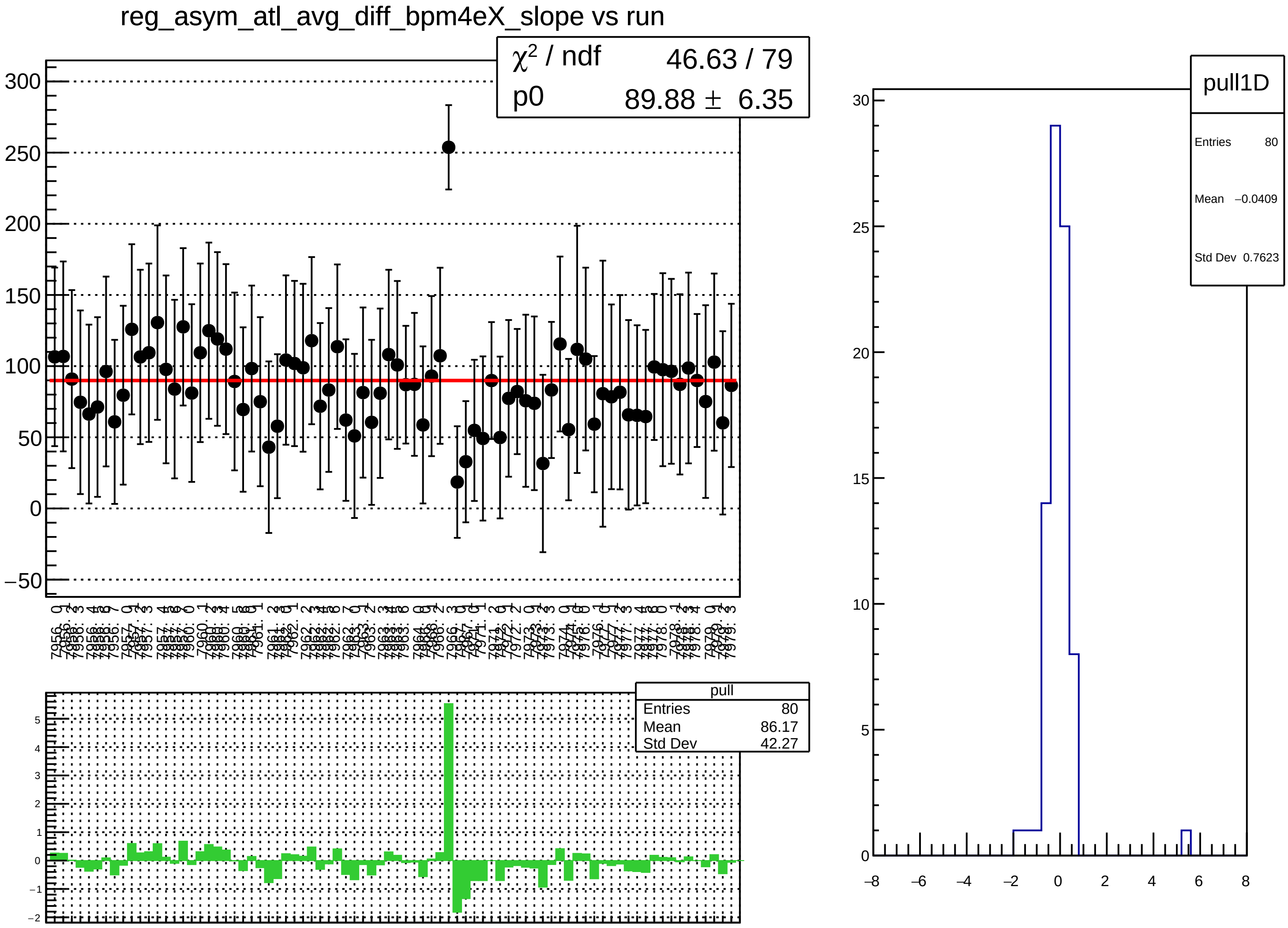
reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 271.3 / 79
p0 −287.1 ± 0.7266
pull
Entries 80
Mean −285.3
Std Dev 322
pull1D
Entries 80
Mean −0.0865
Std Dev 1.839



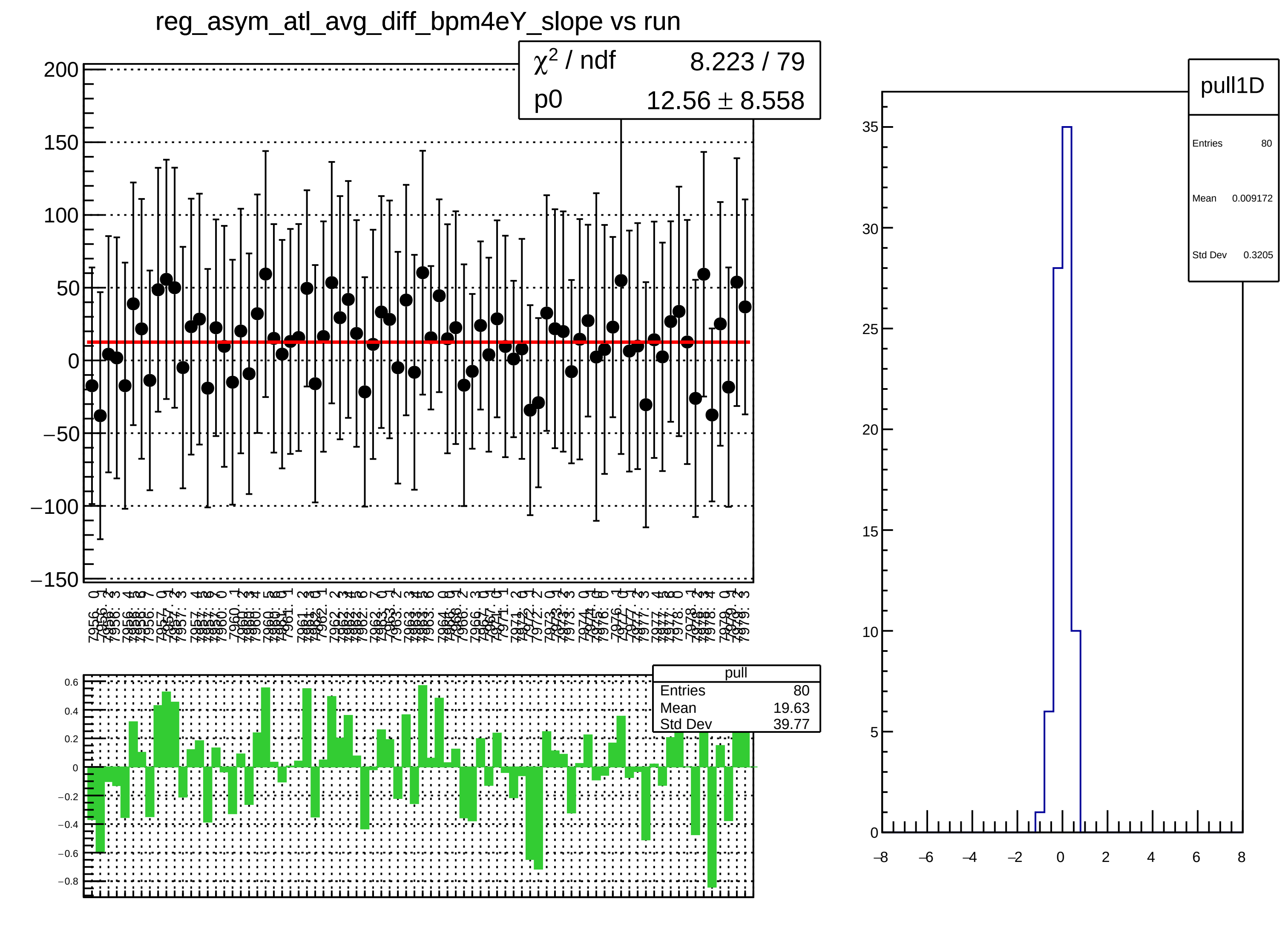
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 48.16 / 79
p0 −119.5 ± 7.162
pull
Entries 80
Mean 81.61
Std Dev 33.94
pull1D
Entries 80
Mean 0.0431
Std Dev 0.7747



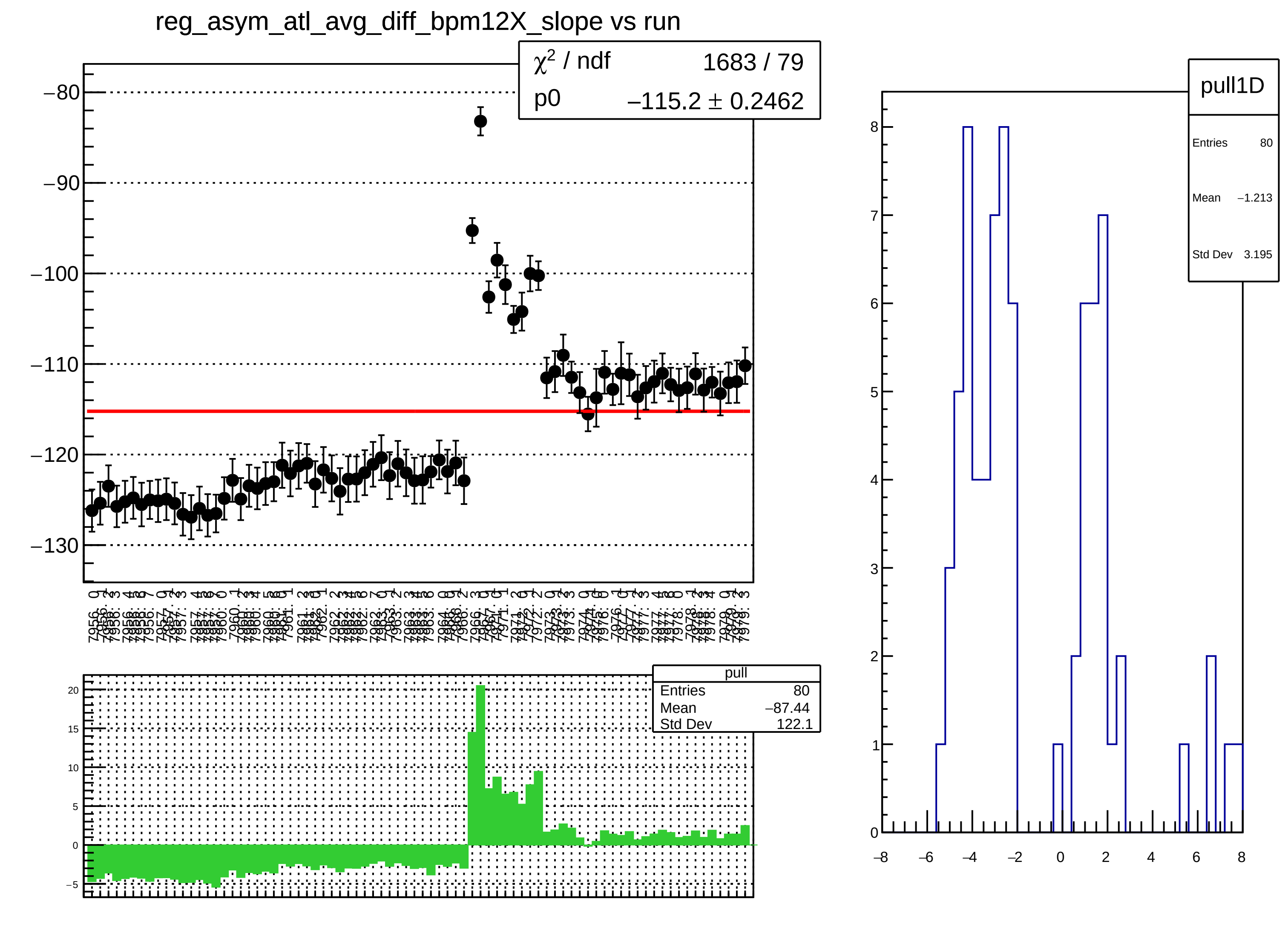
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.119 / 79
p0 35.05 ± 7.475
pull
Entries 80
Mean 208.4
Std Dev 183.2
pull1D
Entries 80
Mean −0.004251
Std Dev 0.3186

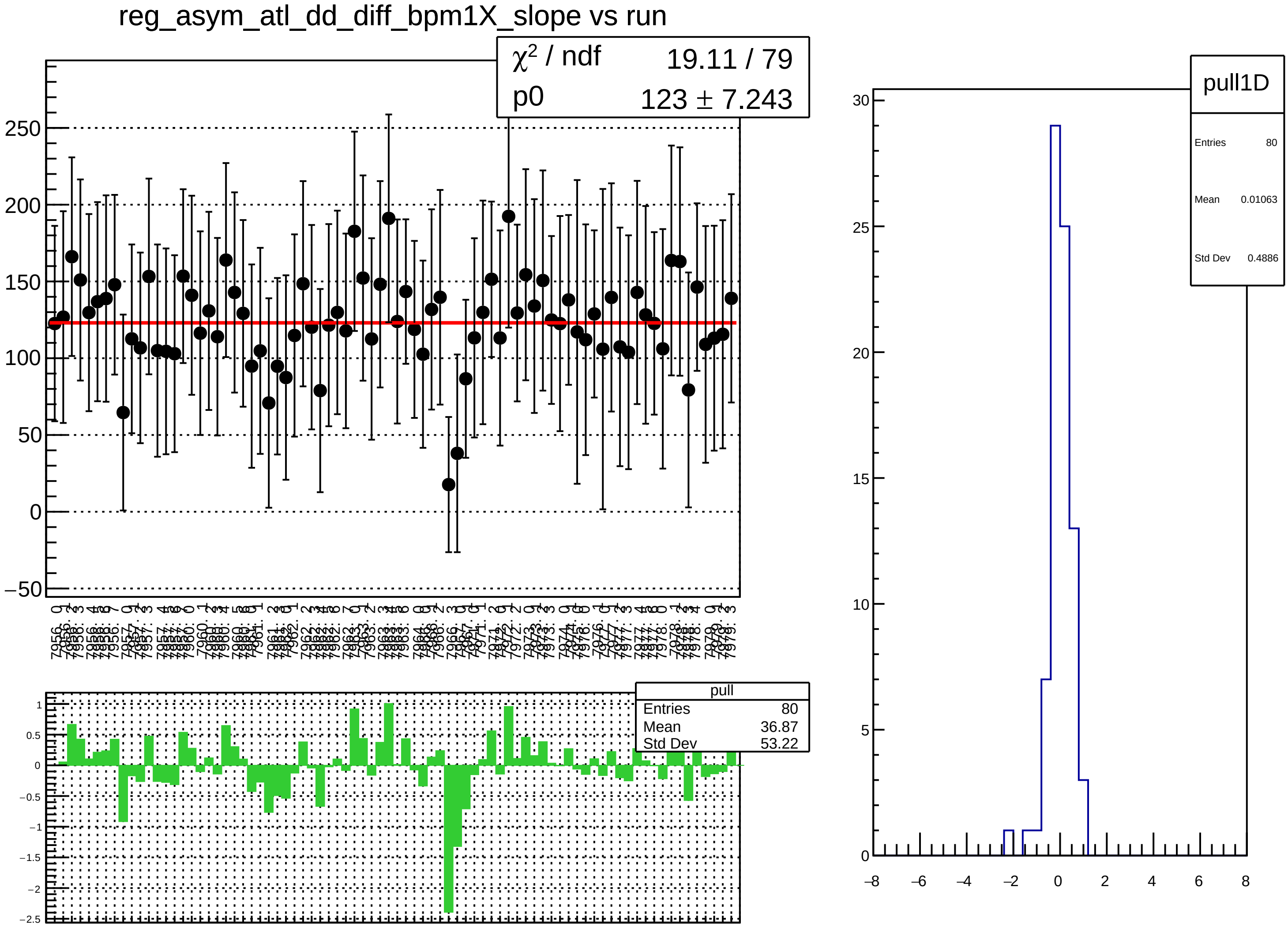


reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 46.63 / 79
p0 89.88 ± 6.35
pull
Entries 80
Mean 86.17
Std Dev 42.27
pull1D
Entries 80
Mean −0.0409
Std Dev 0.7623

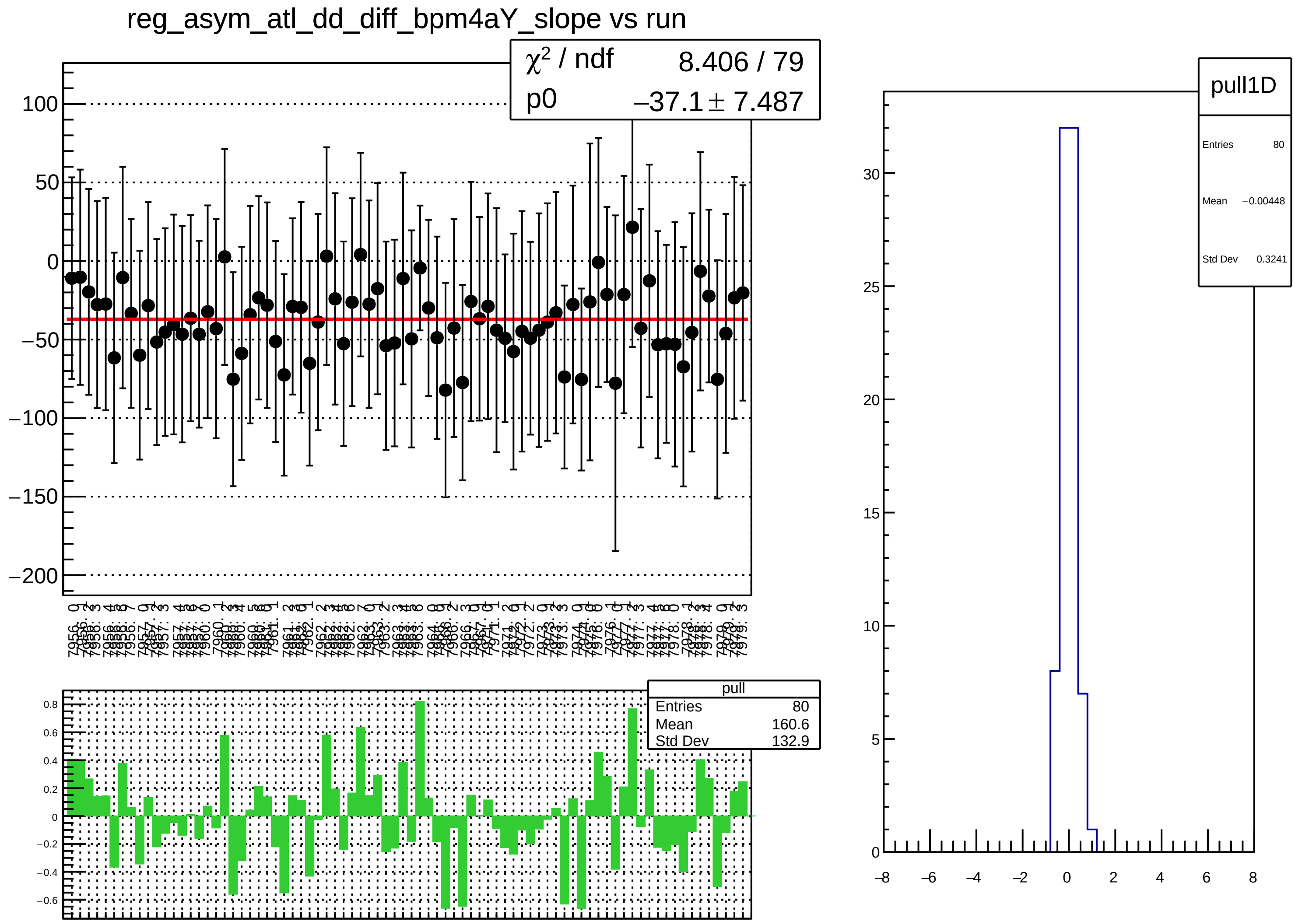


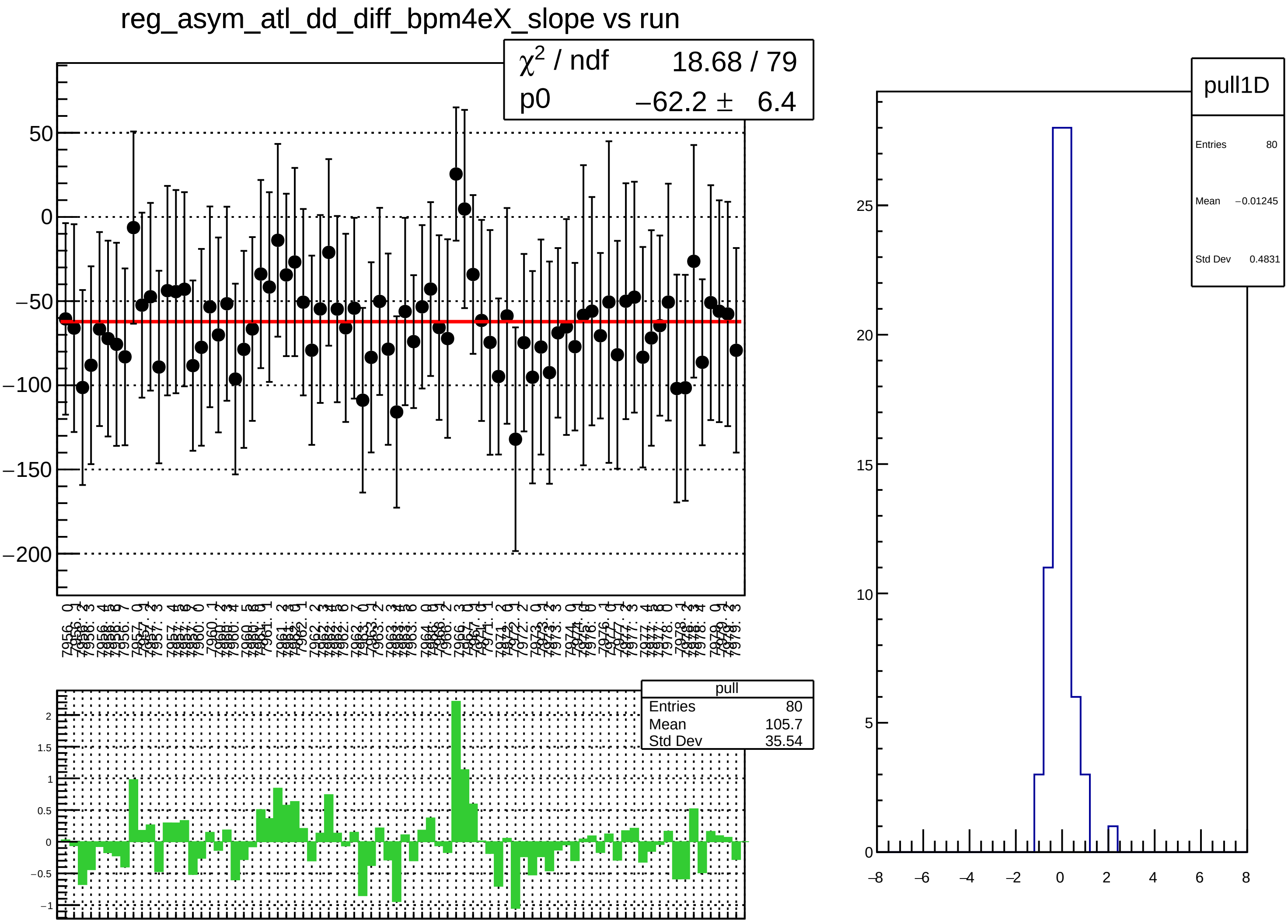
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.223 / 79
p0 12.56 ± 8.558
pull
Entries 80
Mean 19.63
Std Dev 39.77
pull1D
Entries 80
Mean 0.009172
Std Dev 0.3205


reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / 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

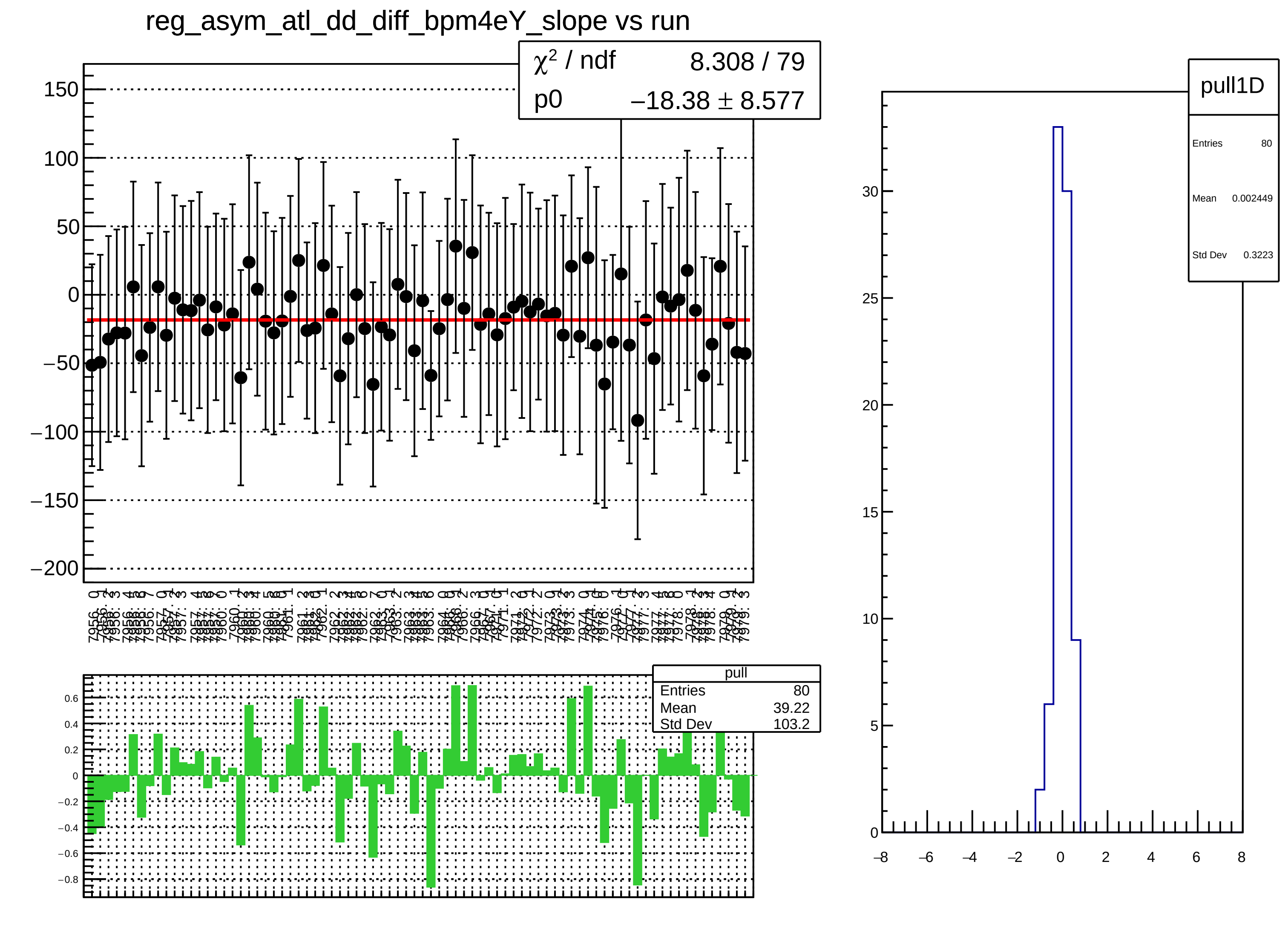


reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 19.11 / 79
p0 123 ± 7.243
pull
Entries 80
Mean 36.87
Std Dev 53.22
pull1D
Entries 80
Mean 0.01063
Std Dev 0.4886

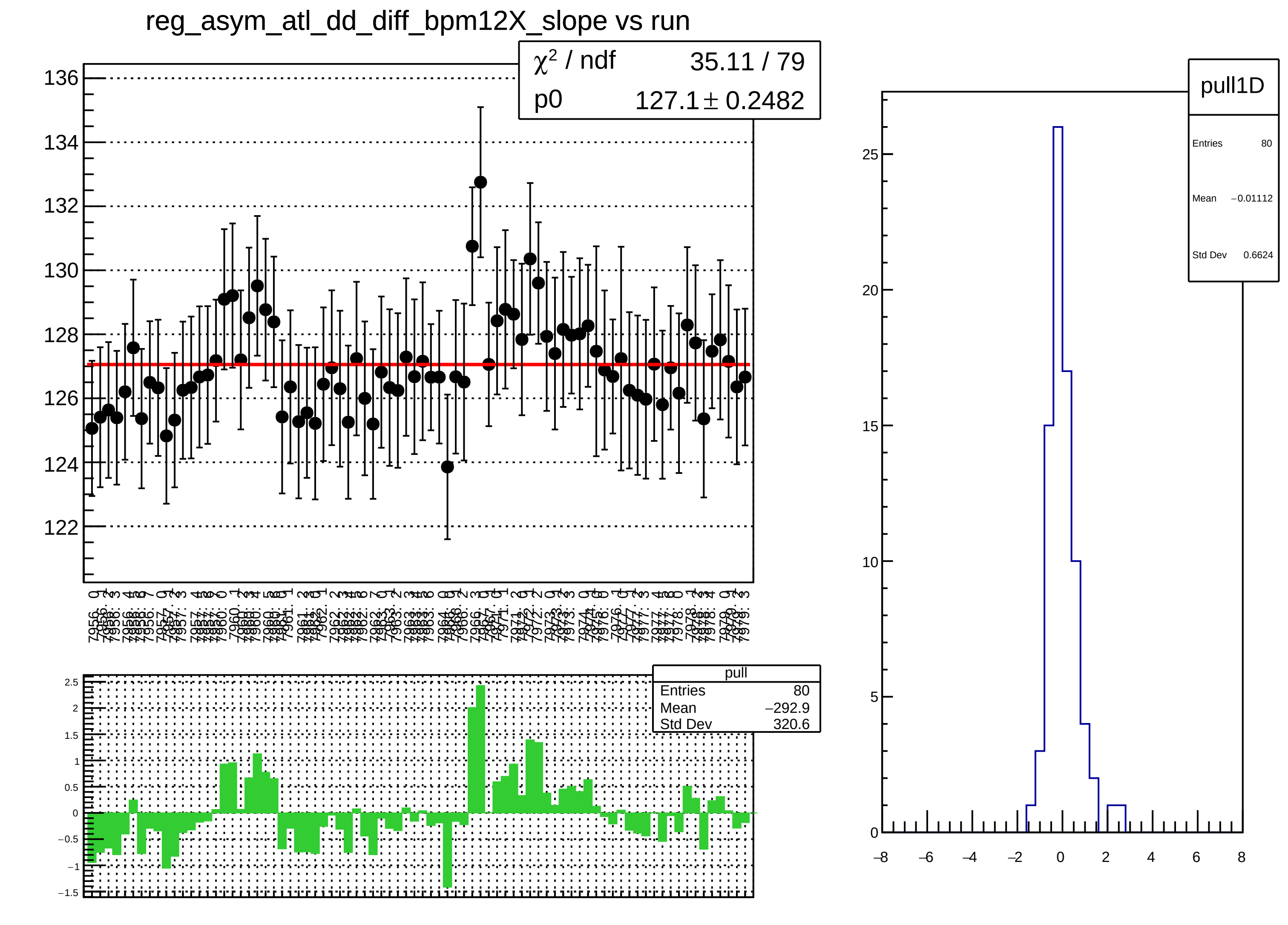

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.406 / 79
p0 −37.1 ± 7.487
pull
Entries 80
Mean 160.6
Std Dev 132.9
pull1D
Entries 80
Mean −0.00448
Std Dev 0.3241



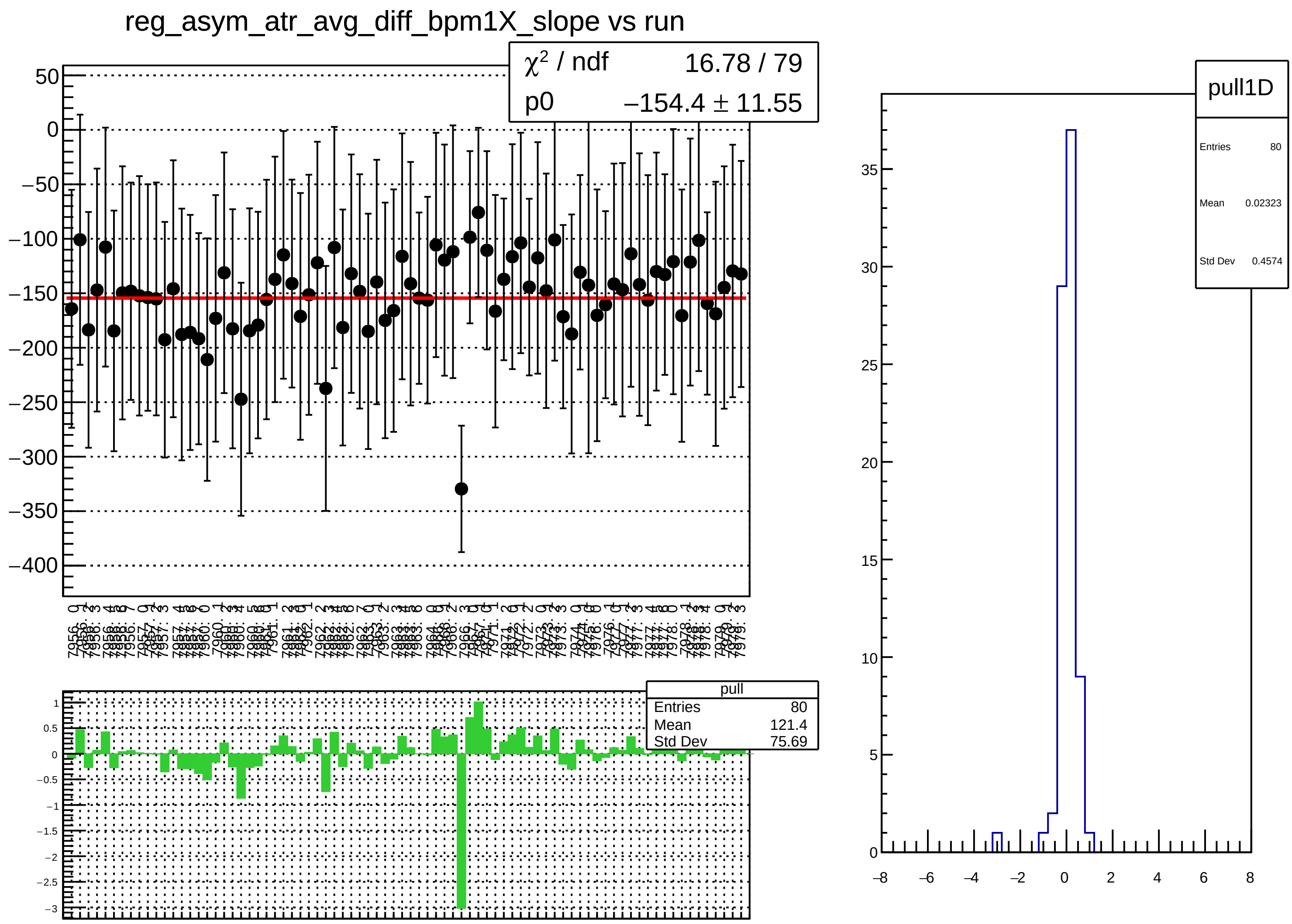
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.68 / 79
p0 −62.2 ± 6.4
pull
Entries 80
Mean 105.7
Std Dev 35.54
pull1D
Entries 80
Mean −0.01245
Std Dev 0.4831



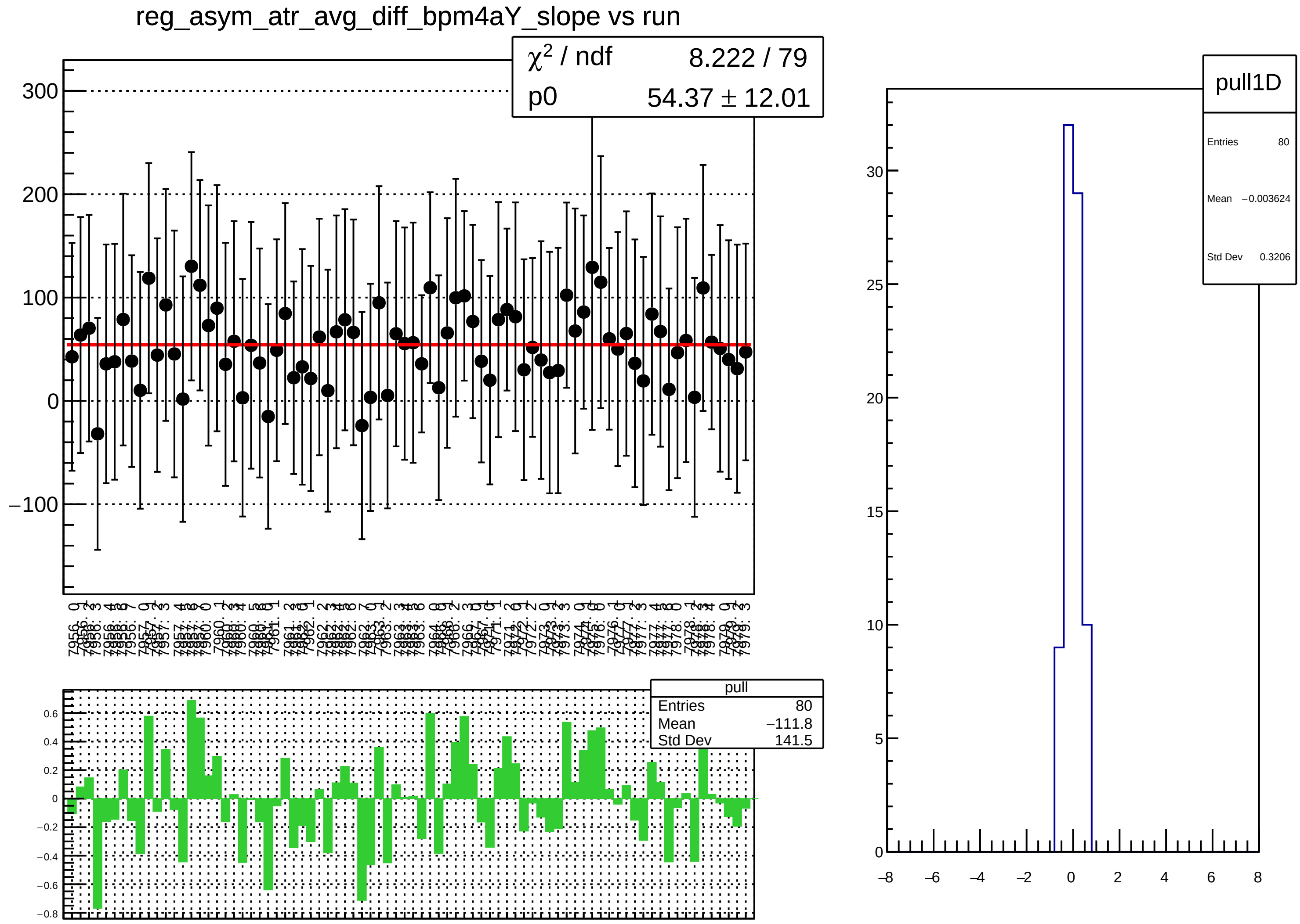
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.308 / 79
p0 −18.38 ± 8.577
pull
Entries 80
Mean 39.22
Std Dev 103.2
pull1D
Entries 80
Mean 0.002449
Std Dev 0.3223



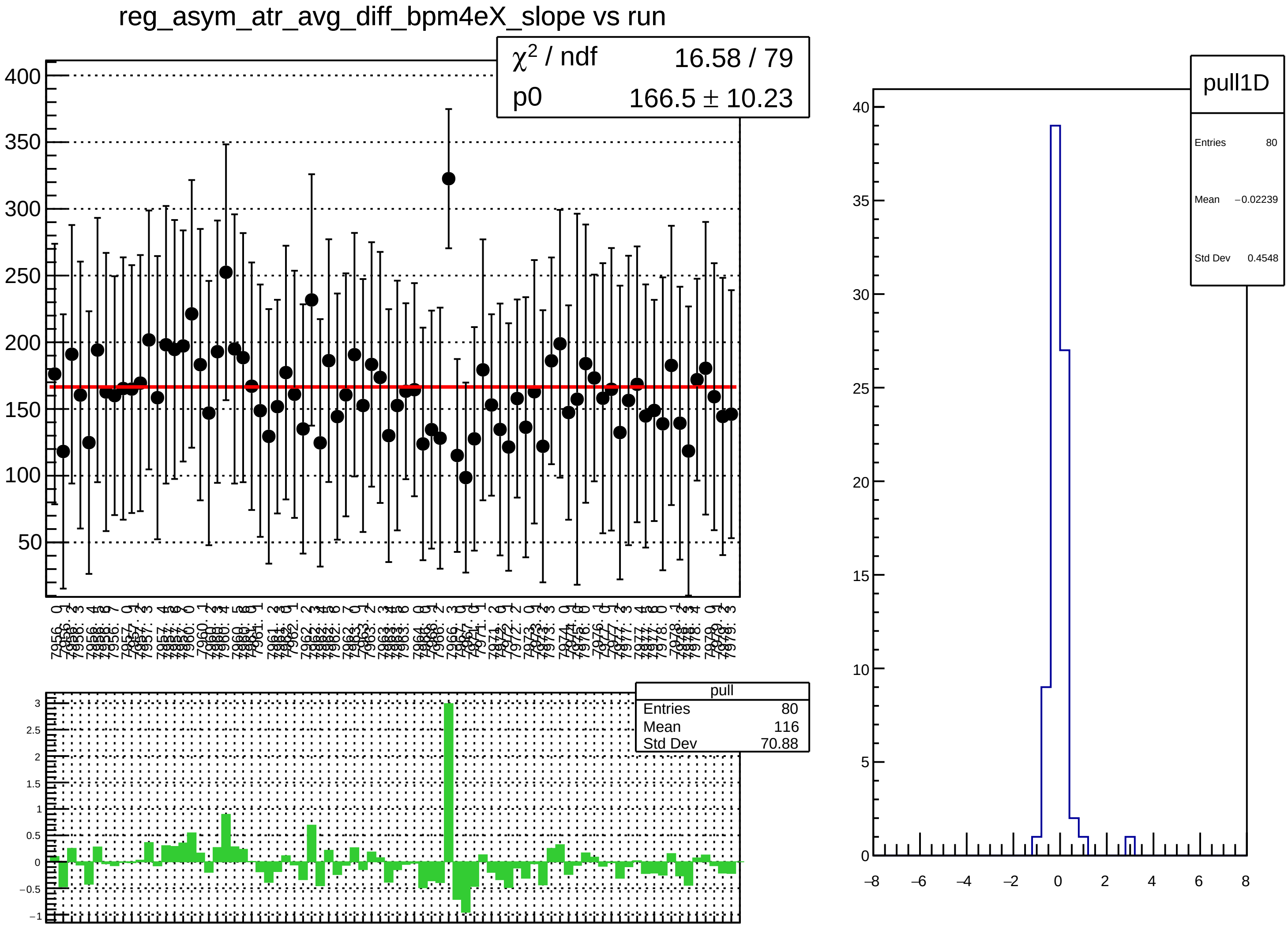
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 35.11 / 79
p0 127.1 ± 0.2482
pull
Entries 80
Mean −292.9
Std Dev 320.6
pull1D
Entries 80
Mean −0.01112
Std Dev 0.6624



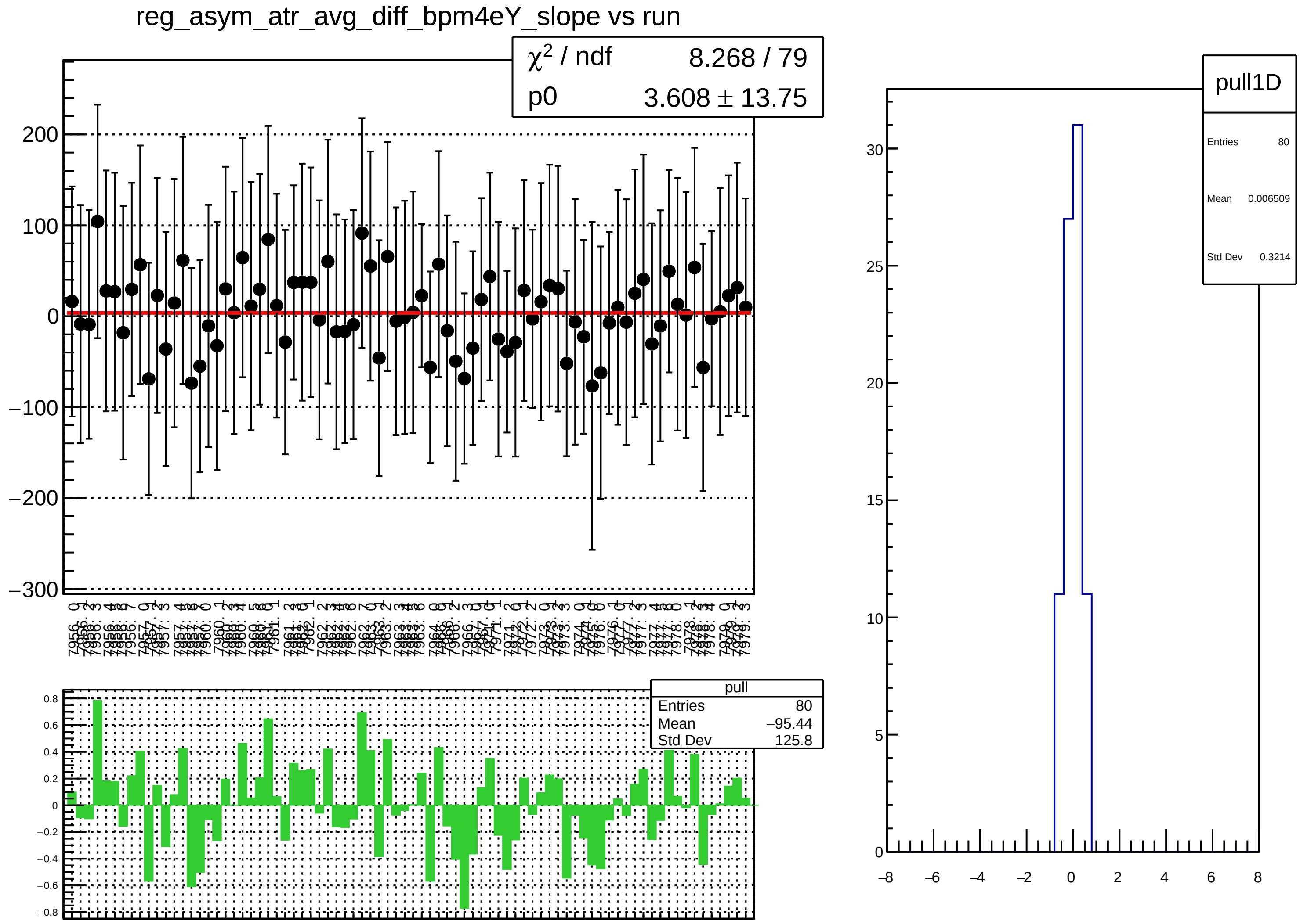
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 16.78 / 79
p0 −154.4 ± 11.55
pull
Entries 80
Mean 121.4
Std Dev 75.69
pull1D
Entries 80
Mean 0.02323
Std Dev 0.4574



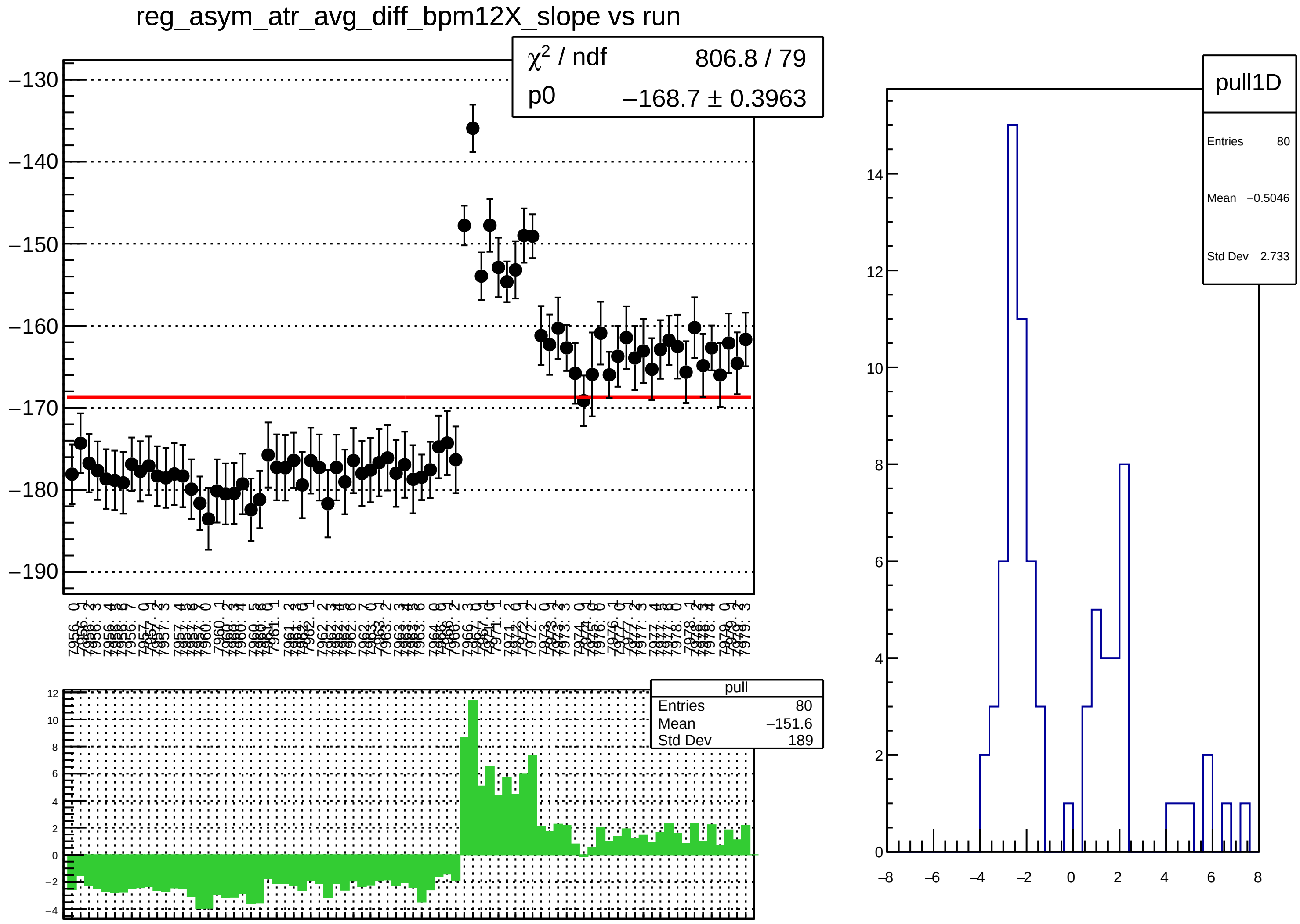
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.222 / 79
p0 54.37 ± 12.01
pull
Entries 80
Mean −111.8
Std Dev 141.5
pull1D
Entries 80
Mean −0.003624
Std Dev 0.3206

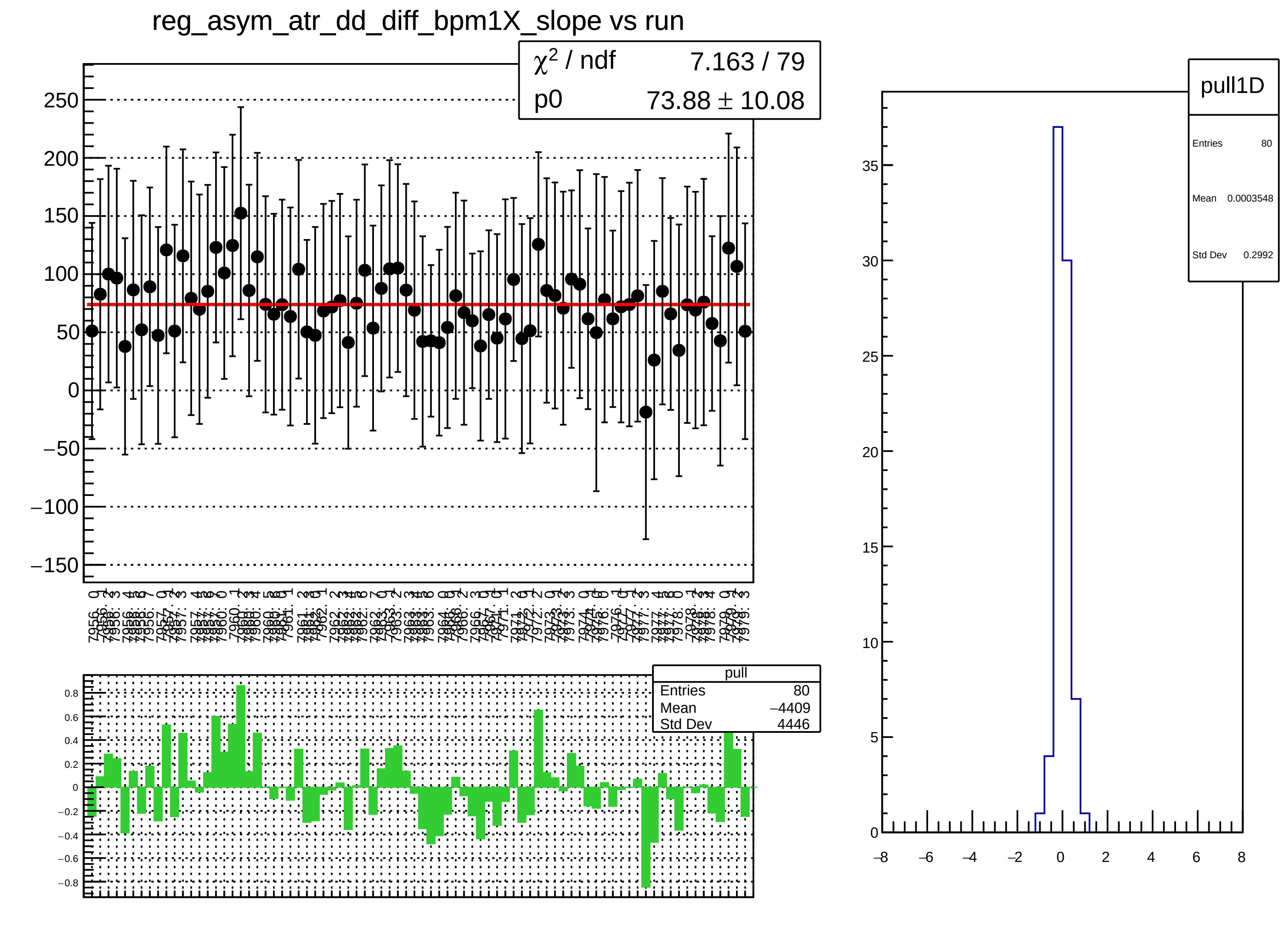


reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 16.58 / 79
p0 166.5 ± 10.23
pull
Entries 80
Mean 116
Std Dev 70.88
pull1D
Entries 80
Mean −0.02239
Std Dev 0.4548

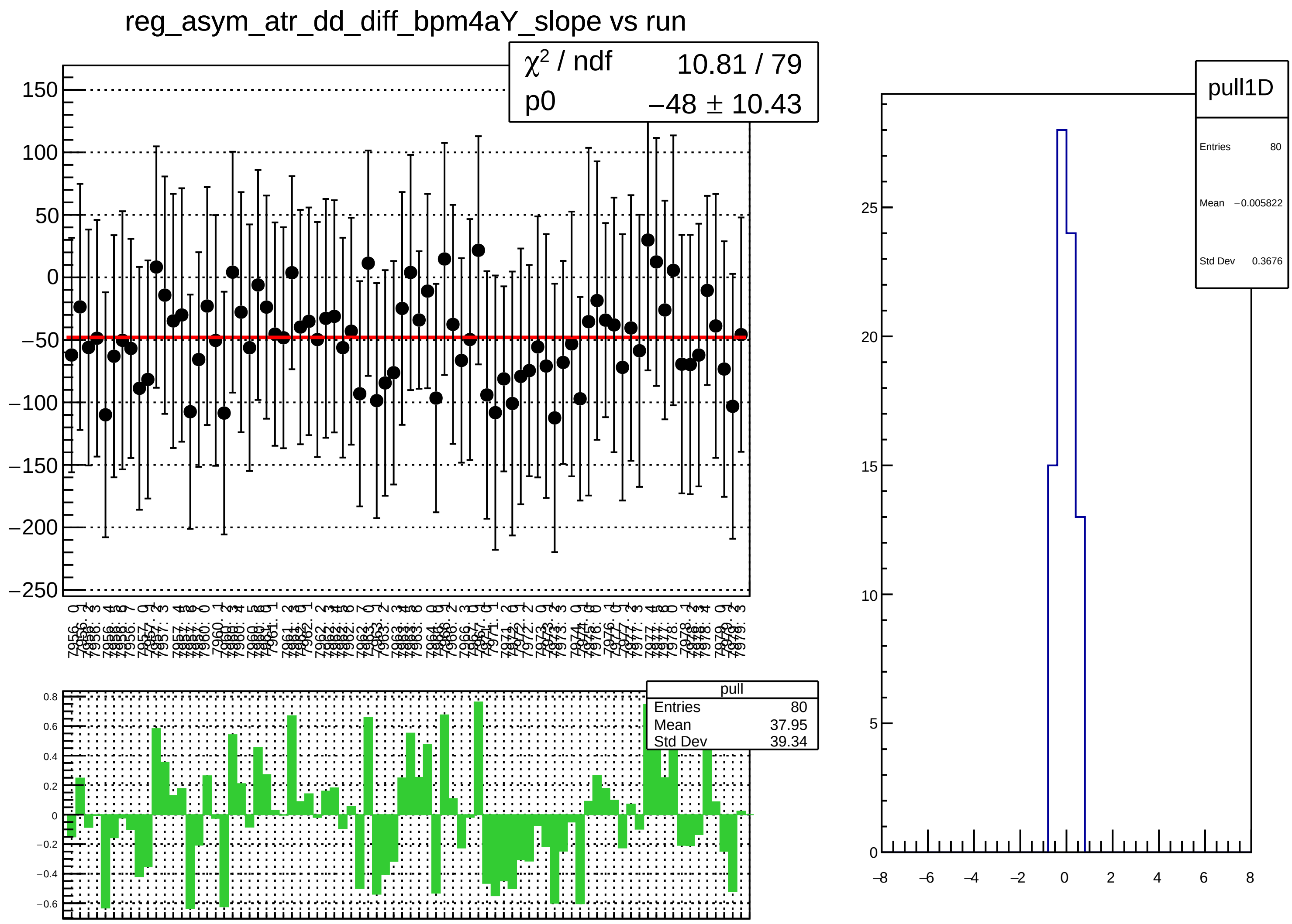


reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.268 / 79
p0 3.608 ± 13.75
pull
Entries 80
Mean −95.44
Std Dev 125.8
pull1D
Entries 80
Mean 0.006509
Std Dev 0.3214

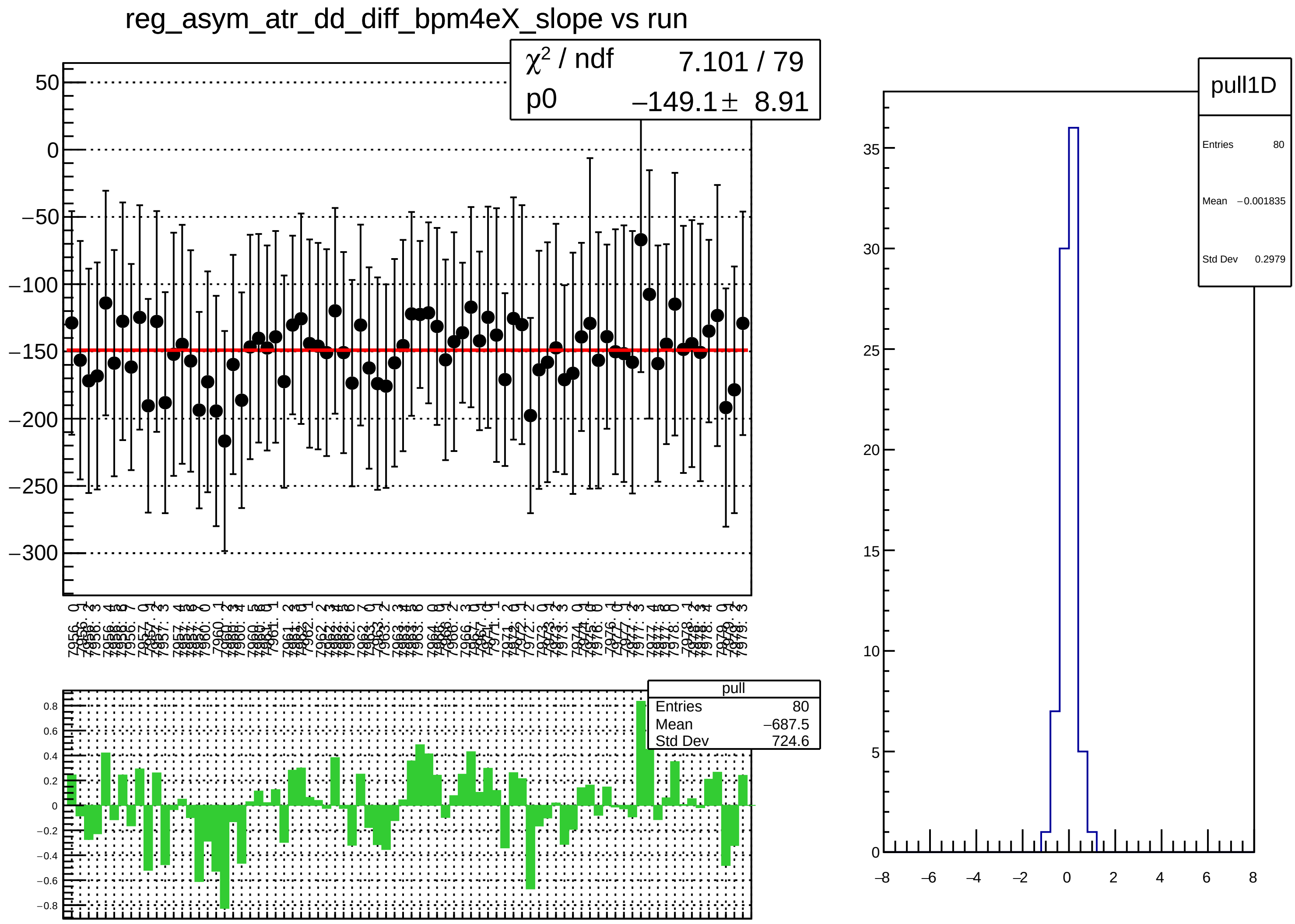

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 806.8 / 79
p0 −168.7 ± 0.3963
−130
−140
−150
−160
−170
−180
−190
pull
Entries 80
Mean −151.6
Std Dev 189
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 80
Mean −0.5046
Std Dev 2.733
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



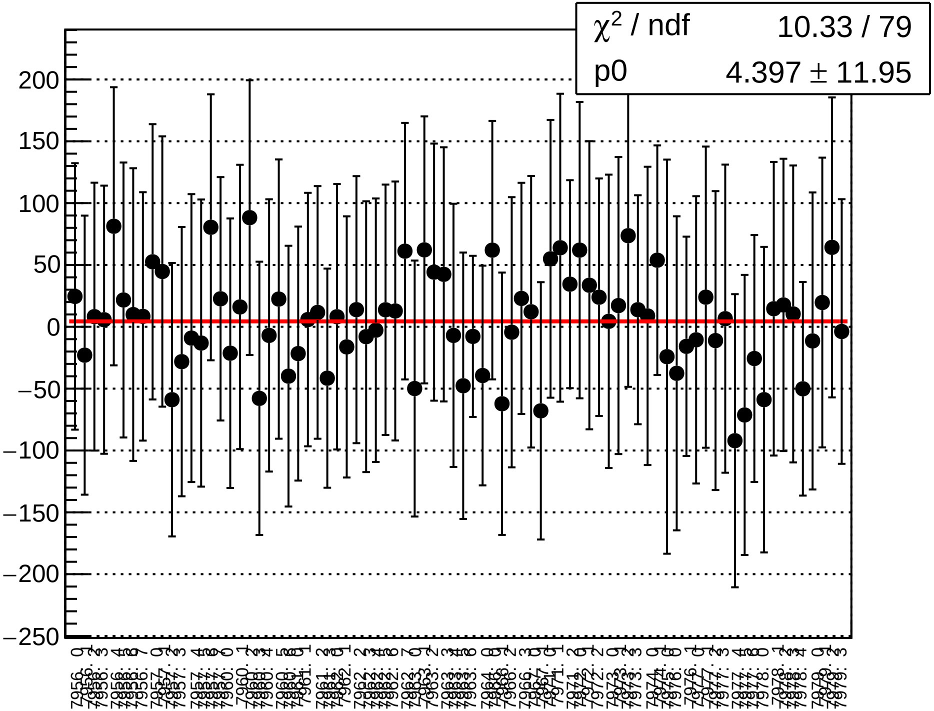
reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.163 / 79
p0 73.88 ± 10.08
pull
Entries 80
Mean −4409
Std Dev 4446
pull1D
Entries 80
Mean 0.0003548
Std Dev 0.2992

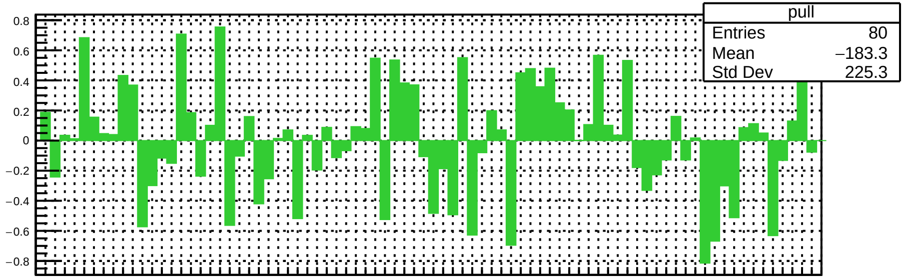


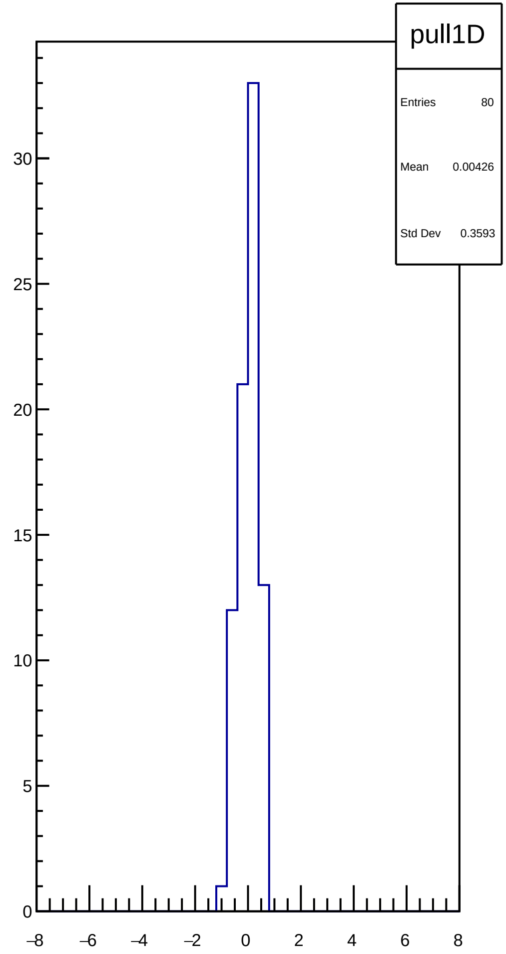
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.81 / 79
p0 −48 ± 10.43
pull
Entries 80
Mean 37.95
Std Dev 39.34
pull1D
Entries 80
Mean −0.005822
Std Dev 0.3676

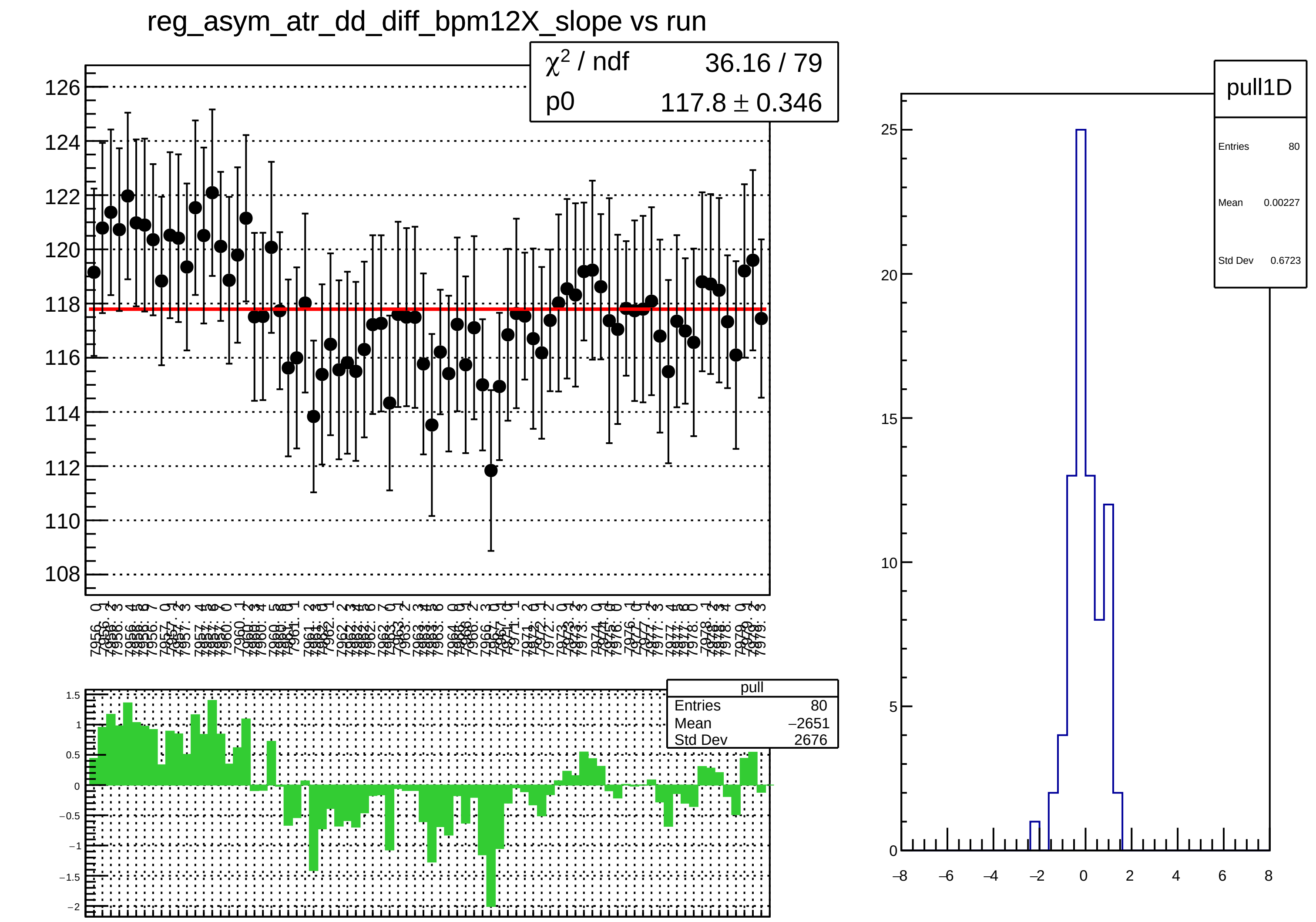

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 7.101 / 79
p0 −149.1 ± 8.91
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 80
Mean −687.5
Std Dev 724.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.001835
Std Dev 0.2979
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4eY_slope vs run

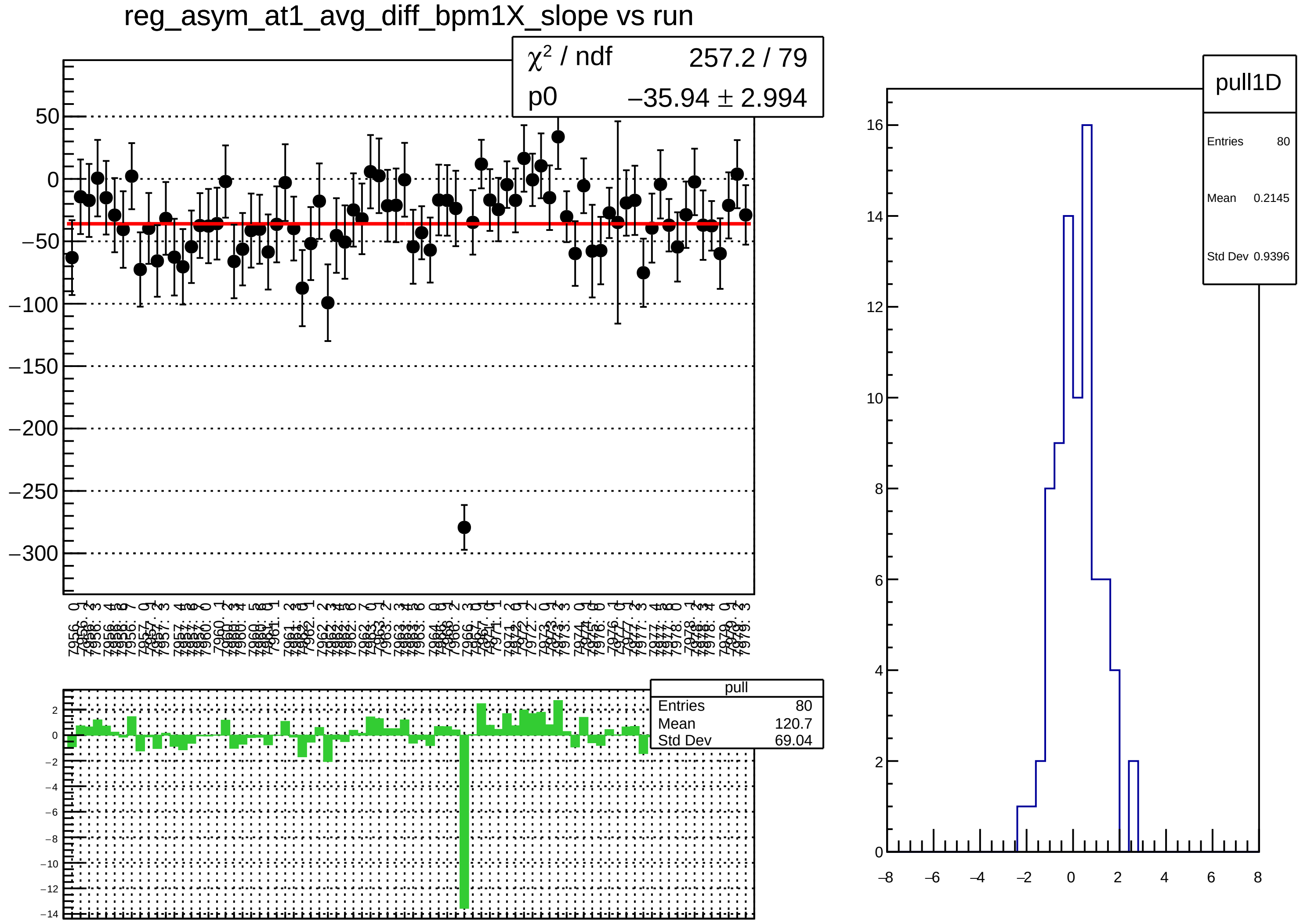


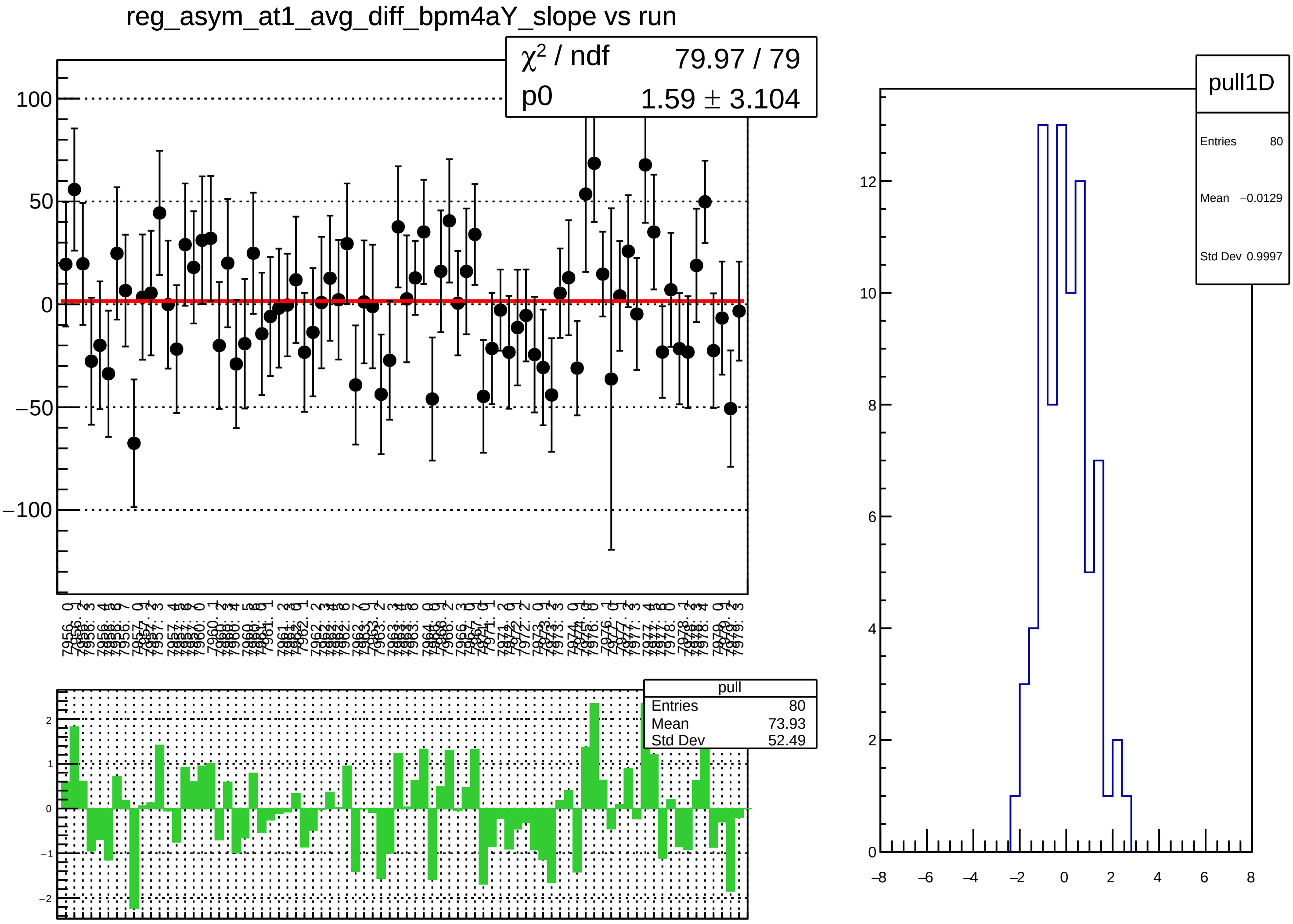




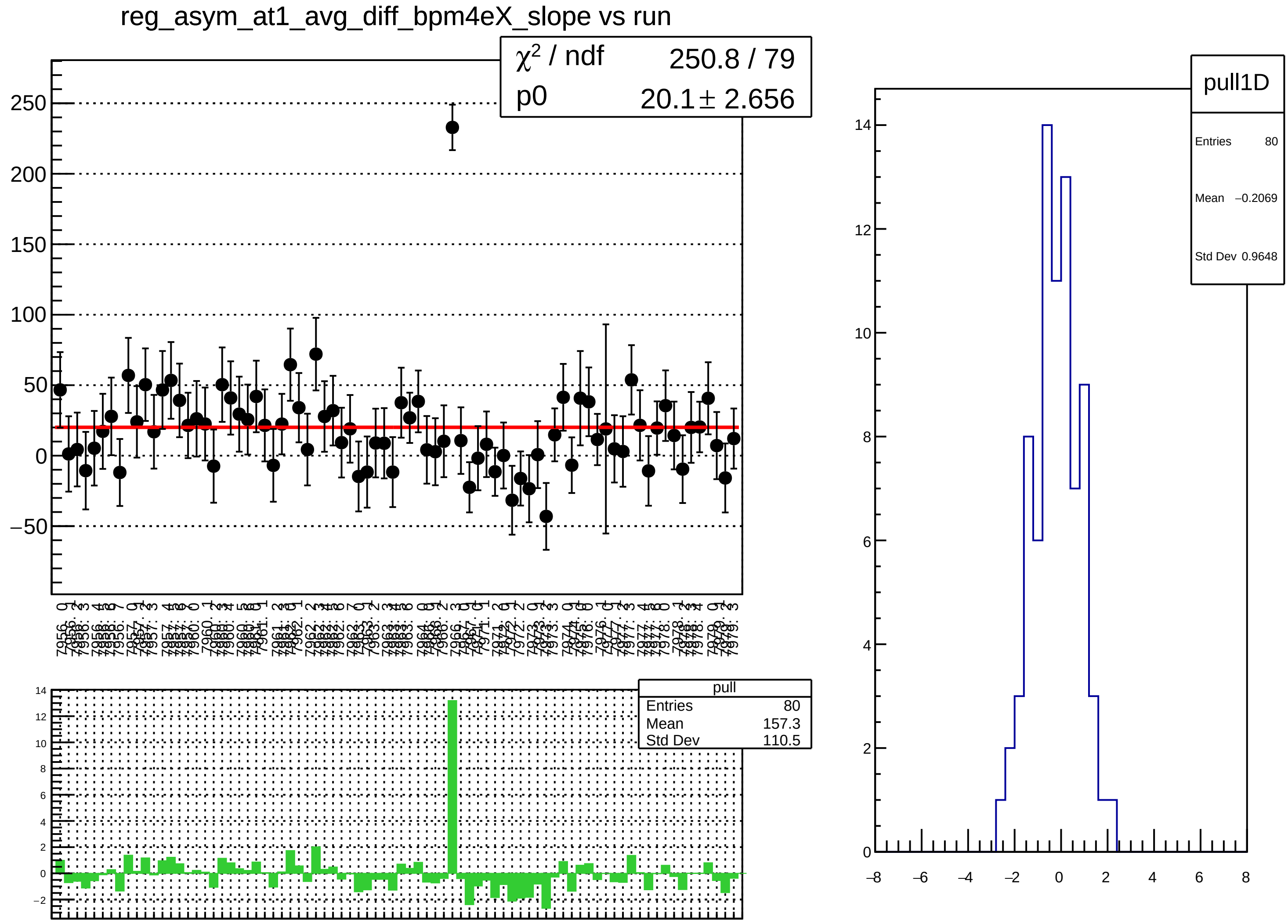


reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 36.16 / 79
p0 117.8 ± 0.346
126
124
122
120
118
116
114
112
110
108
pull
Entries 80
Mean −2651
Std Dev 2676
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.00227
Std Dev 0.6723
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

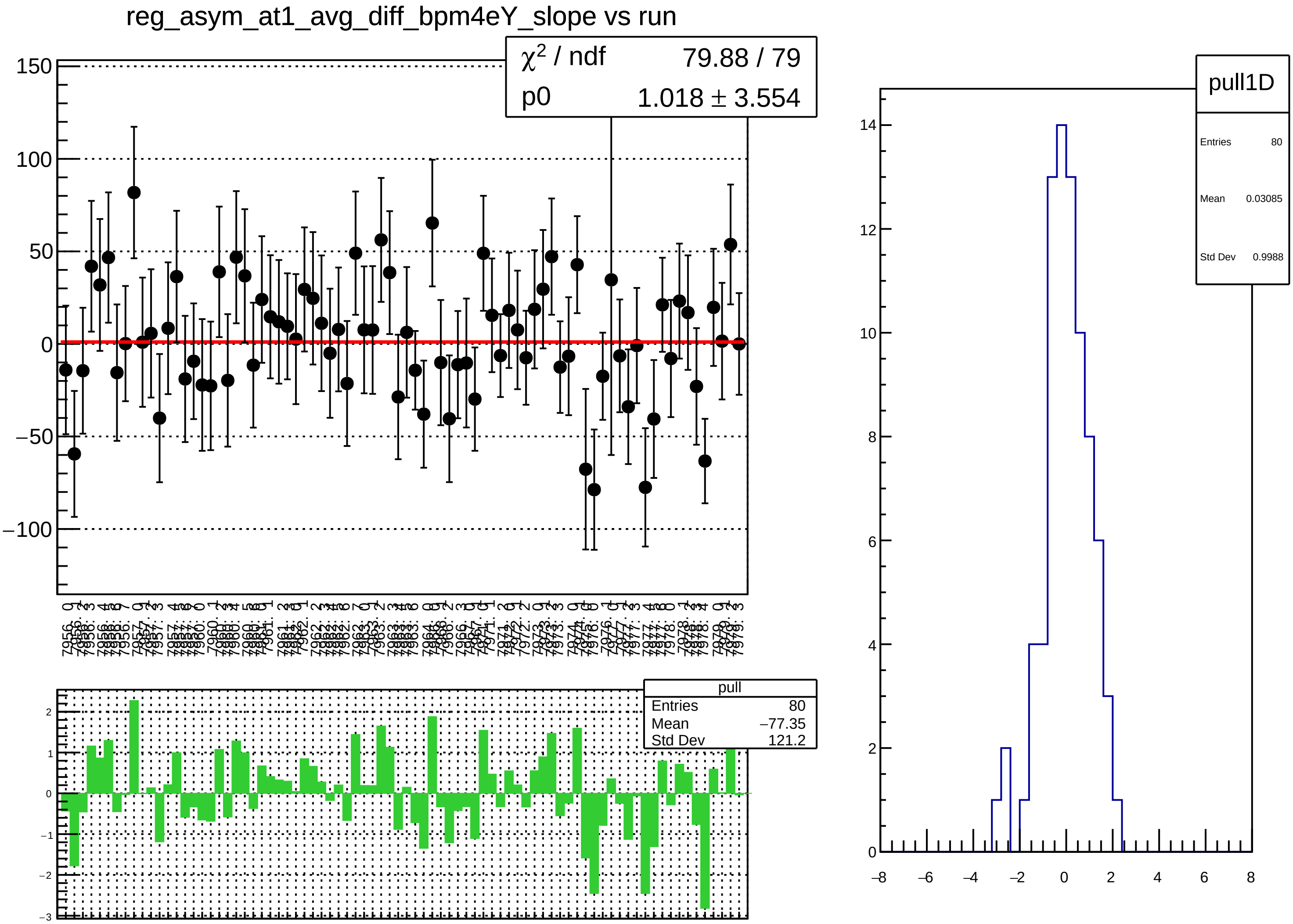

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 257.2 / 79
p0 −35.94 ± 2.994
pull
Entries 80
Mean 120.7
Std Dev 69.04
pull1D
Entries 80
Mean 0.2145
Std Dev 0.9396



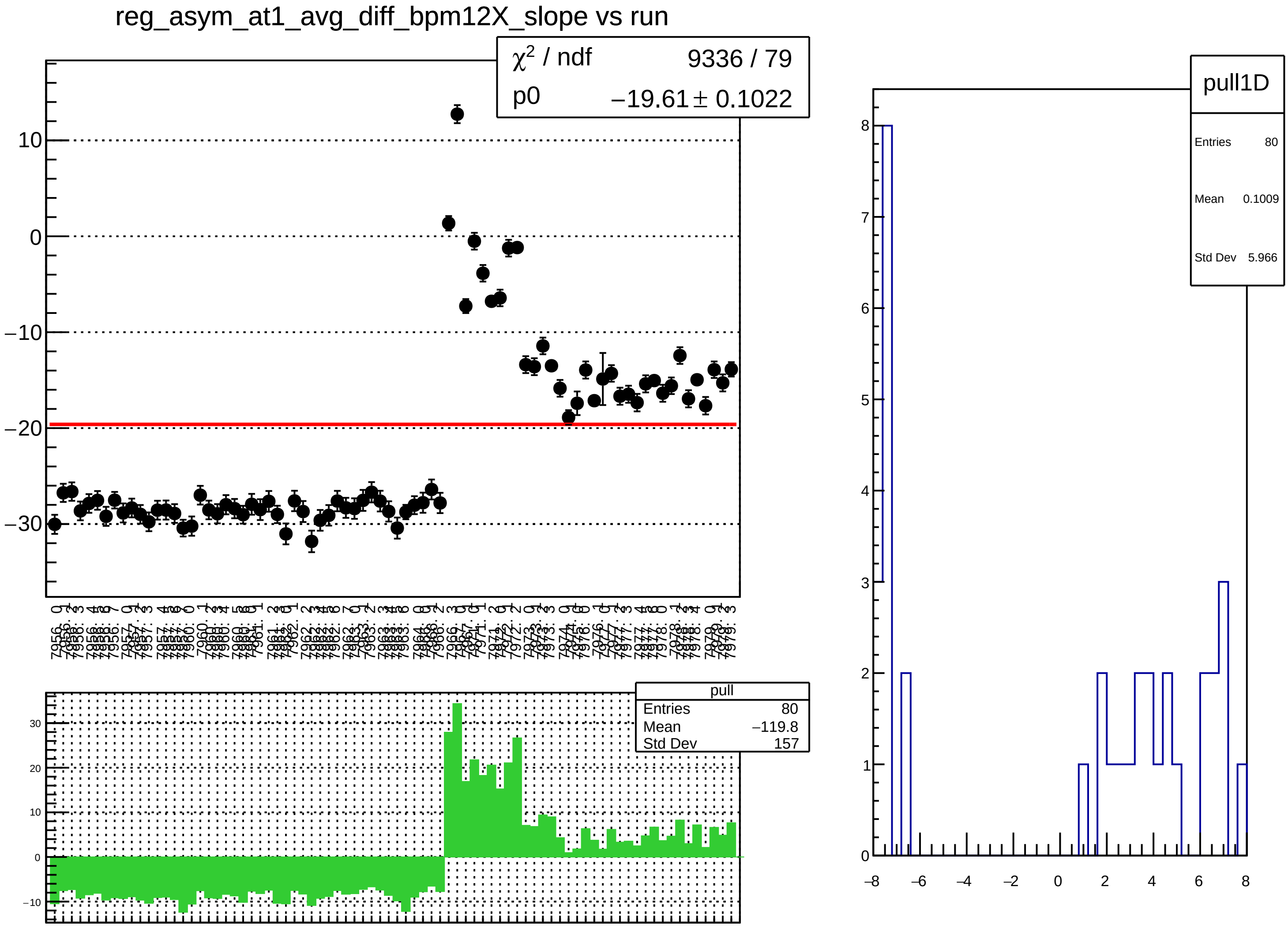
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 79.97 / 79
p0 1.59 ± 3.104
pull
Entries 80
Mean 73.93
Std Dev 52.49
pull1D
Entries 80
Mean −0.0129
Std Dev 0.9997



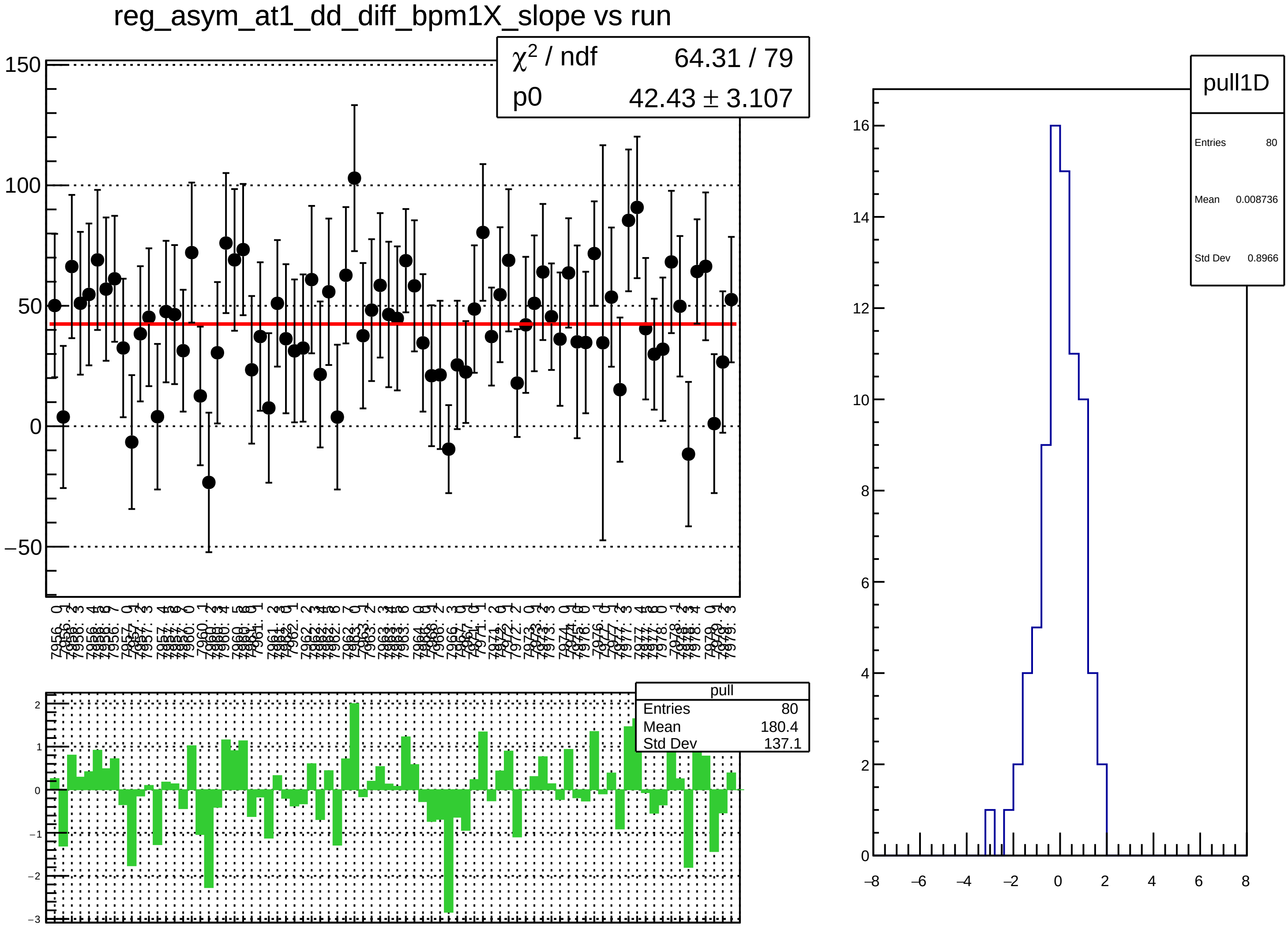
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 250.8 / 79
p0 20.1 ± 2.656
pull
Entries 80
Mean 157.3
Std Dev 110.5
pull1D
Entries 80
Mean −0.2069
Std Dev 0.9648



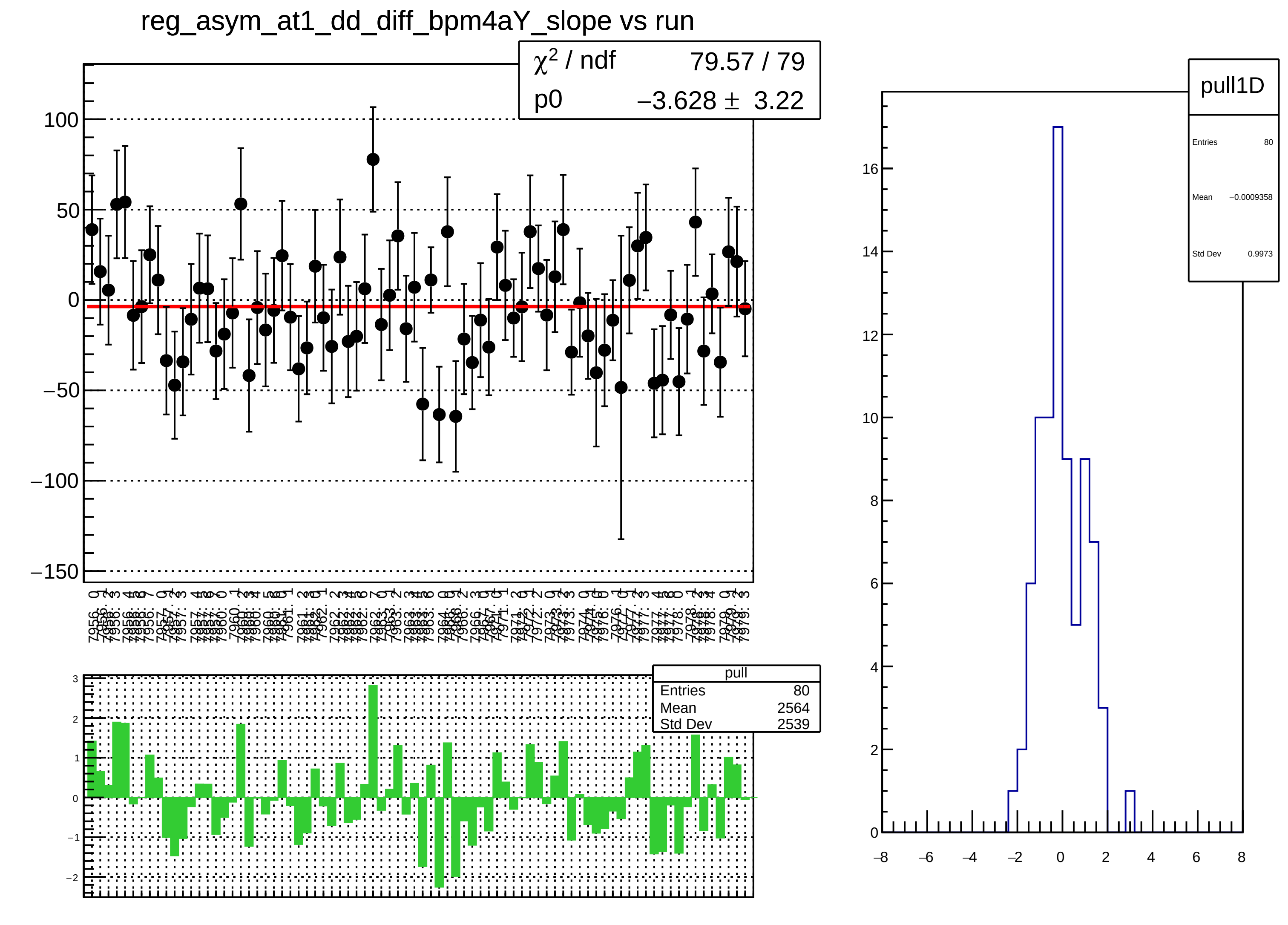
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 79.88 / 79
p0 1.018 ± 3.554
pull
Entries 80
Mean −77.35
Std Dev 121.2
pull1D
Entries 80
Mean 0.03085
Std Dev 0.9988



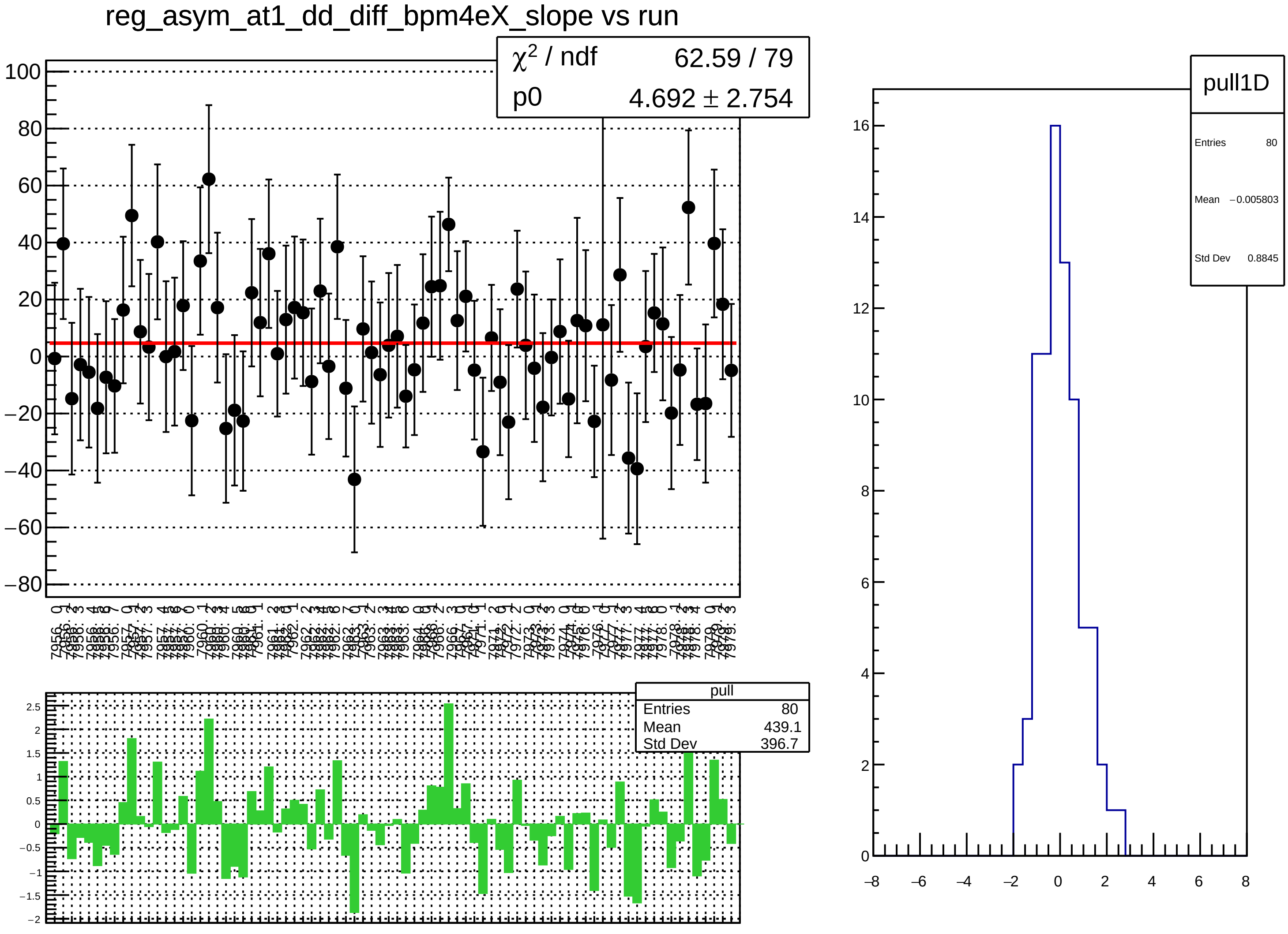
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 9336 / 79
p0 −19.61 ± 0.1022
pull
Entries 80
Mean −119.8
Std Dev 157
pull1D
Entries 80
Mean 0.1009
Std Dev 5.966



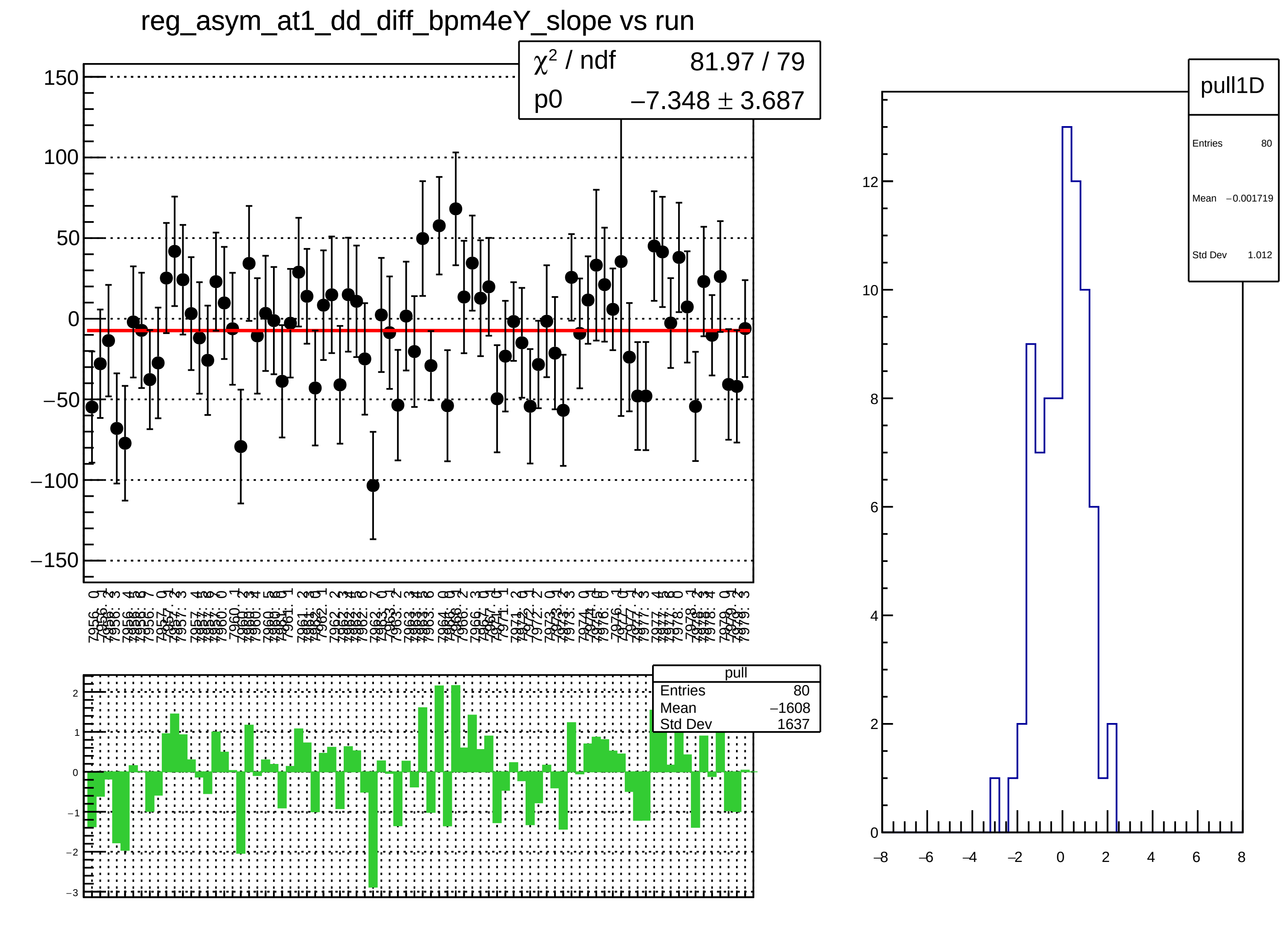
reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.31 / 79
p0 42.43 ± 3.107
pull
Entries 80
Mean 180.4
Std Dev 137.1
pull1D
Entries 80
Mean 0.008736
Std Dev 0.8966



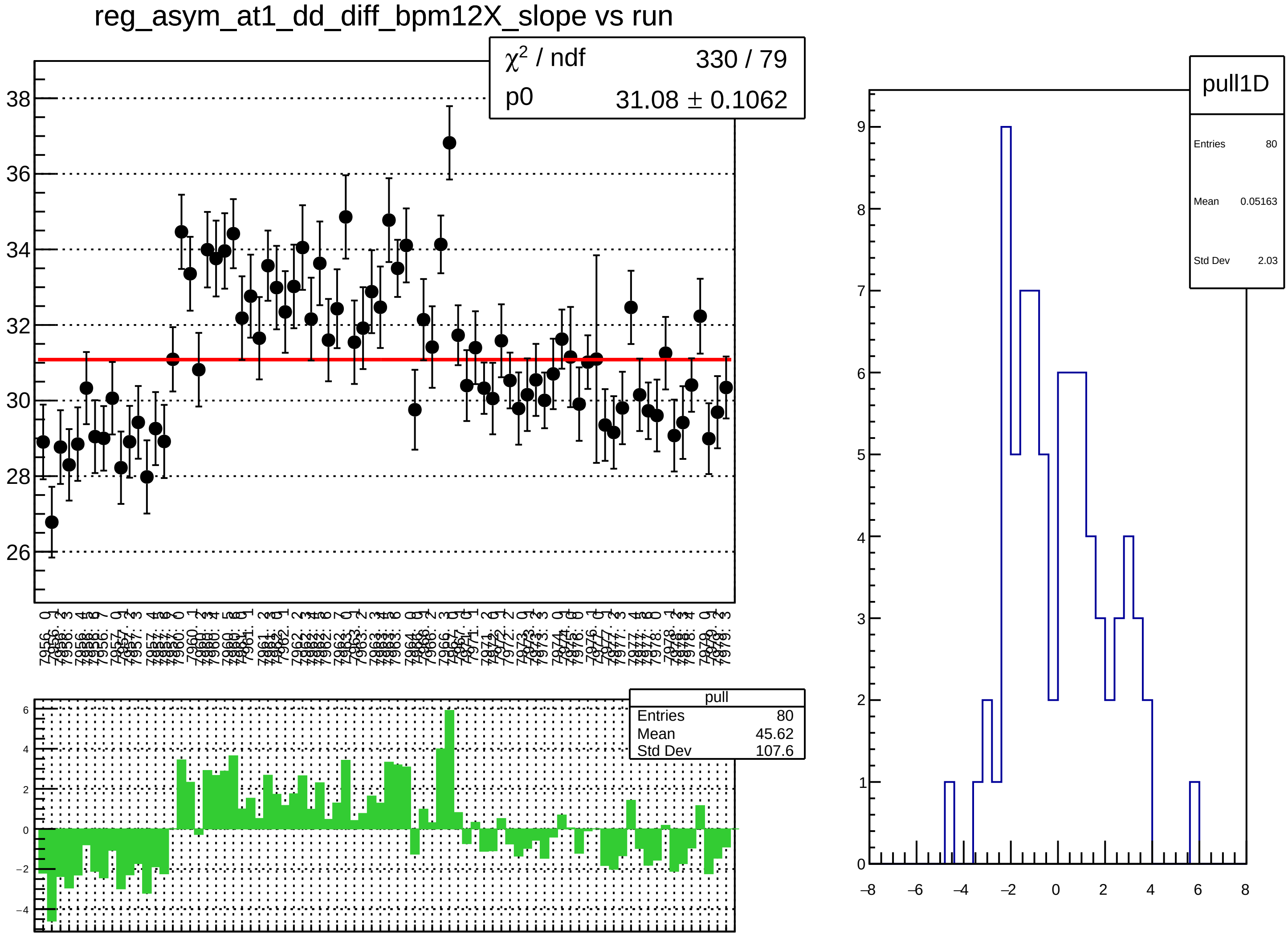
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 79.57 / 79
p0 −3.628 ± 3.22
pull
Entries 80
Mean 2564
Std Dev 2539
pull1D
Entries 80
Mean −0.0009358
Std Dev 0.9973



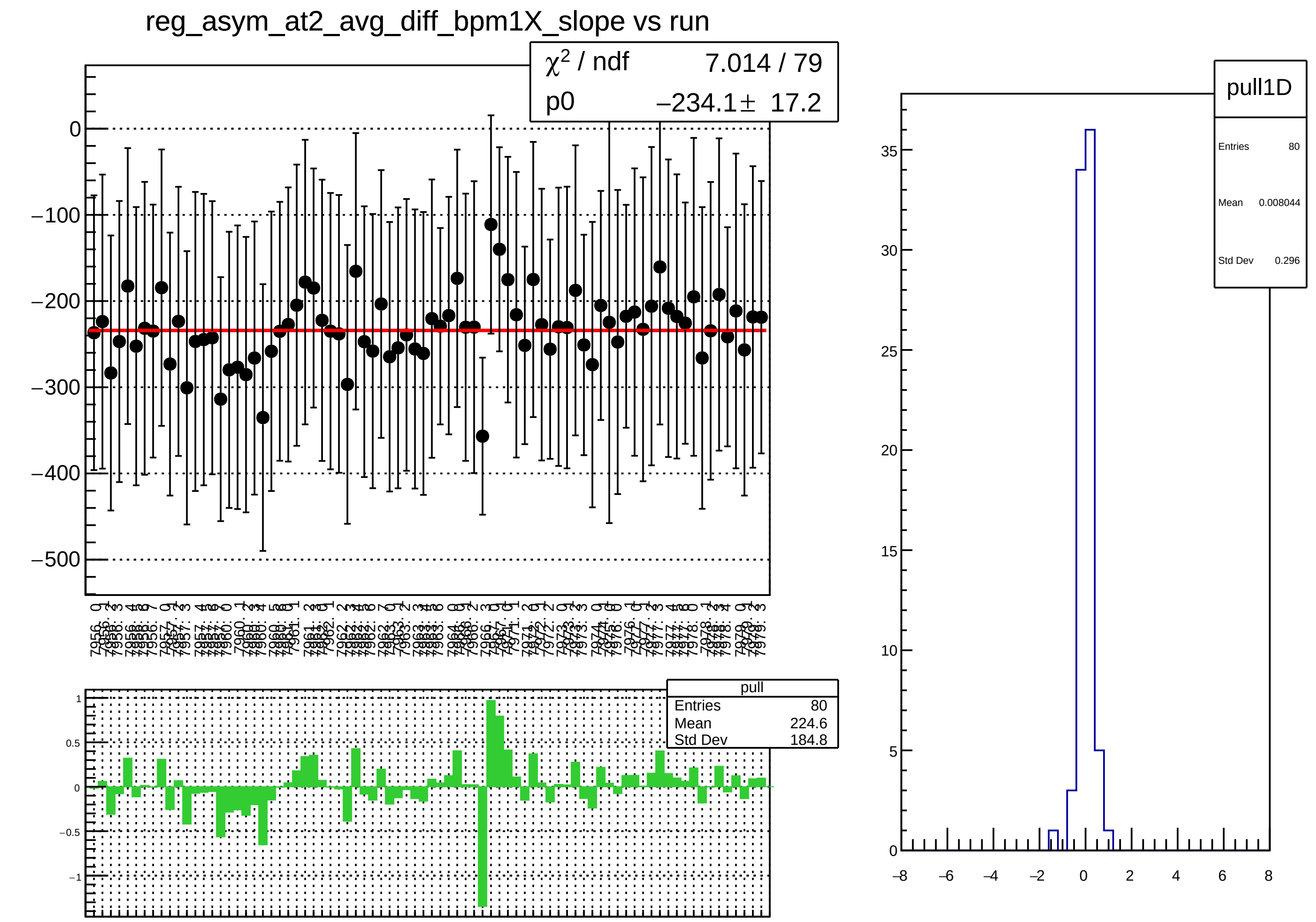
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 62.59 / 79
p0 4.692 ± 2.754
pull
Entries 80
Mean 439.1
Std Dev 396.7
pull1D
Entries 80
Mean −0.005803
Std Dev 0.8845



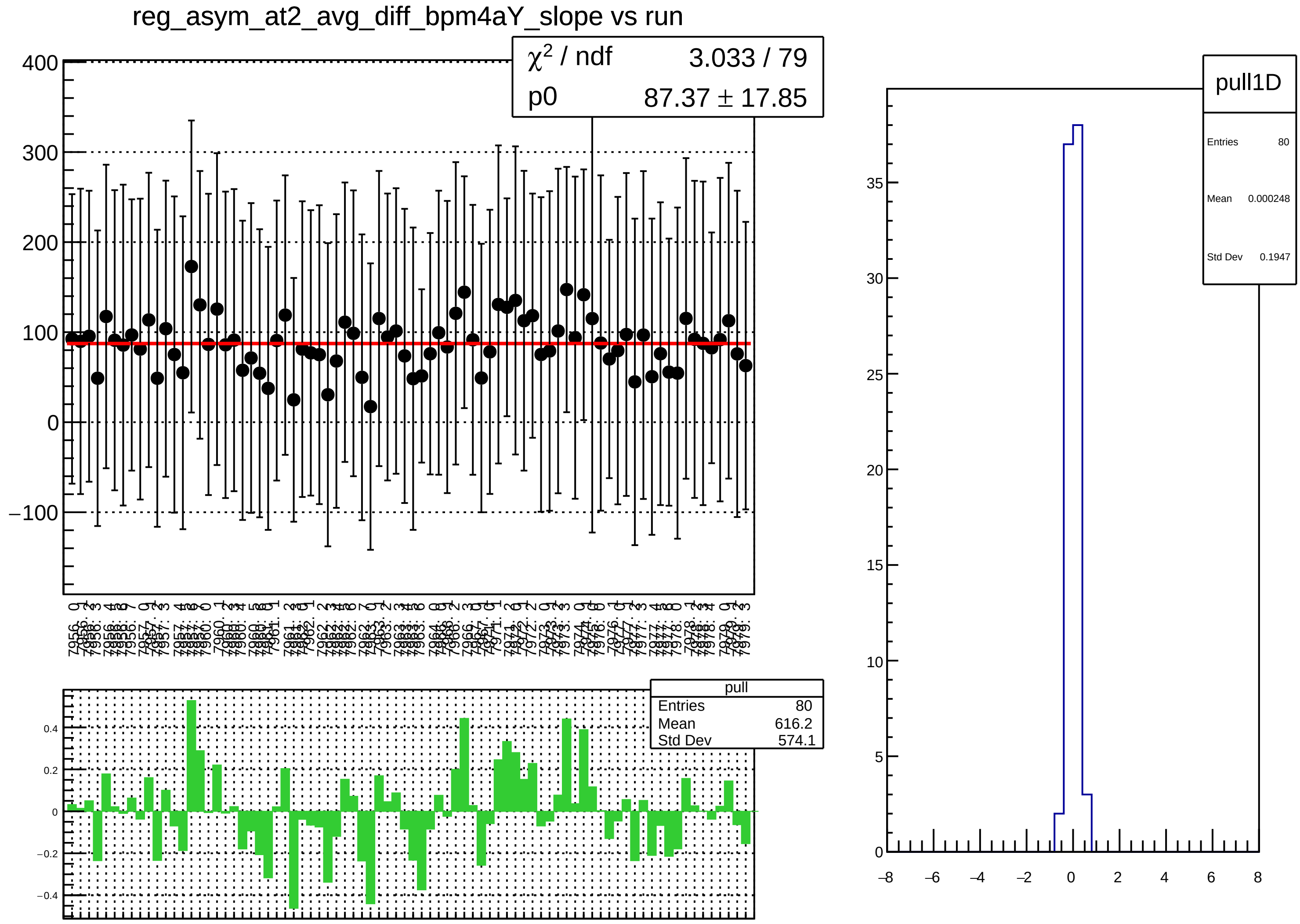
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.97 / 79
p0 −7.348 ± 3.687
pull
Entries 80
Mean −1608
Std Dev 1637
pull1D
Entries 80
Mean −0.001719
Std Dev 1.012



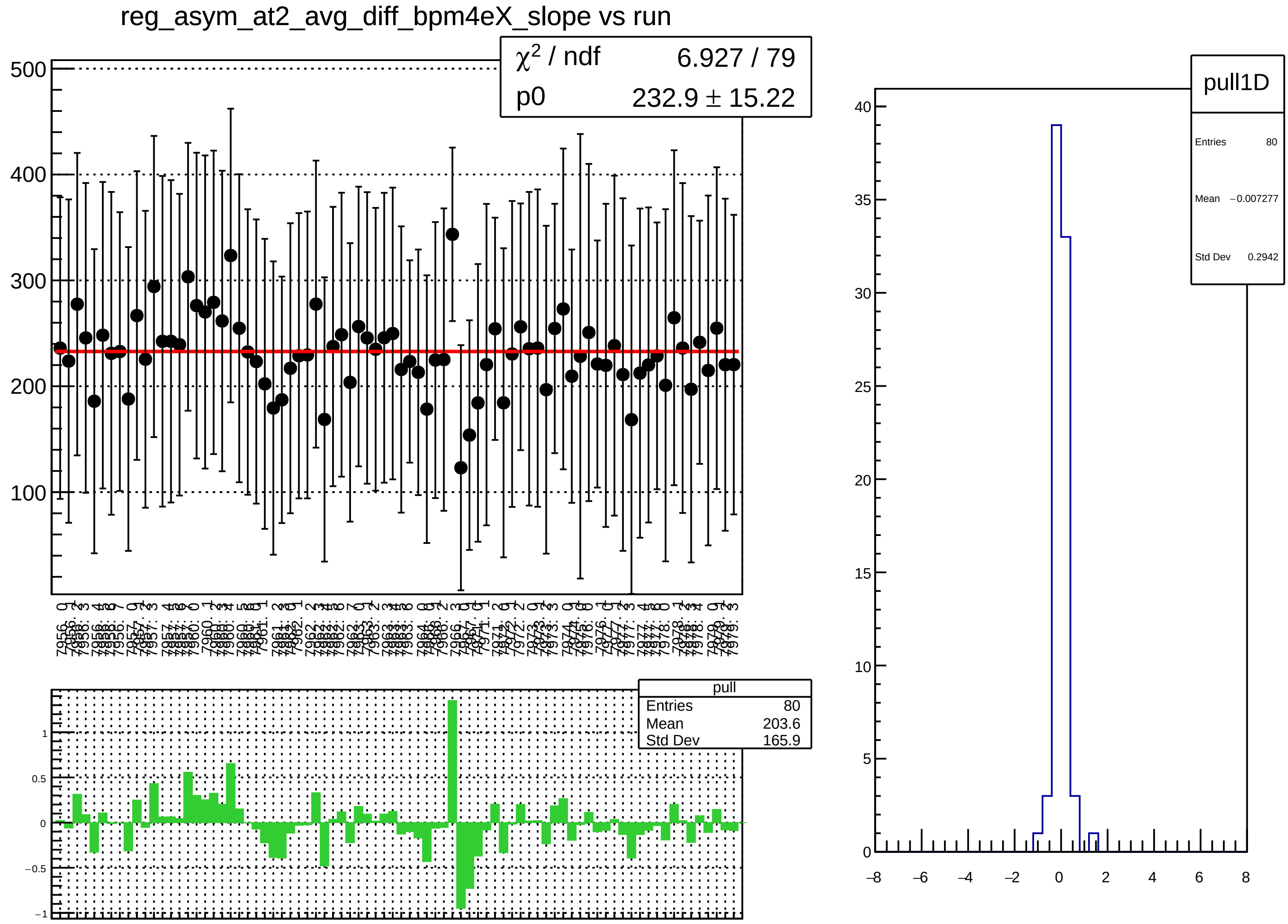
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 330 / 79
p0 31.08 ± 0.1062
pull
Entries 80
Mean 45.62
Std Dev 107.6
pull1D
Entries 80
Mean 0.05163
Std Dev 2.03



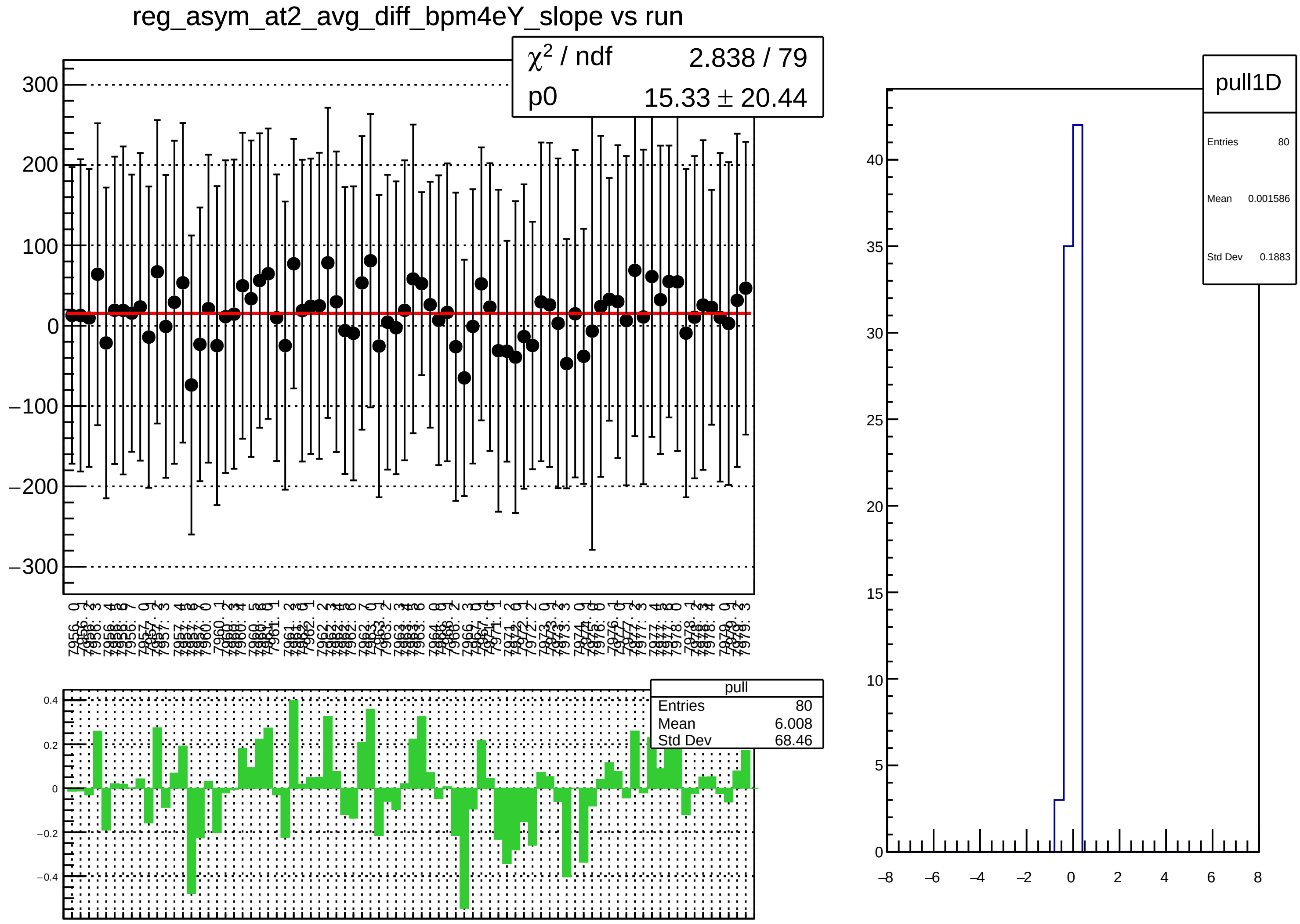
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.014 / 79
p0 −234.1 ± 17.2
pull
Entries 80
Mean 224.6
Std Dev 184.8
pull1D
Entries 80
Mean 0.008044
Std Dev 0.296

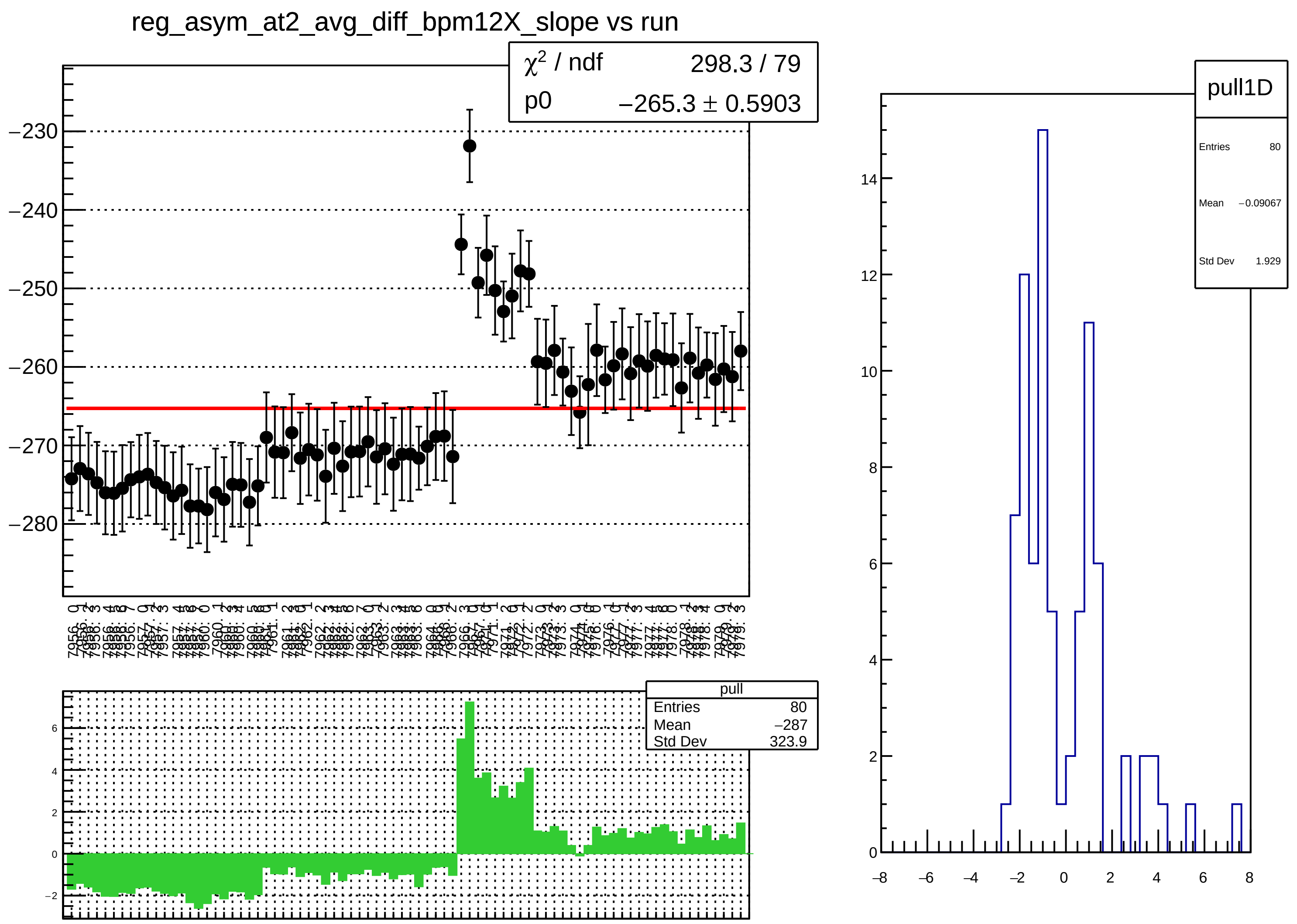


reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.033 / 79
p0 87.37 ± 17.85
pull
Entries 80
Mean 616.2
Std Dev 574.1
pull1D
Entries 80
Mean 0.000248
Std Dev 0.1947

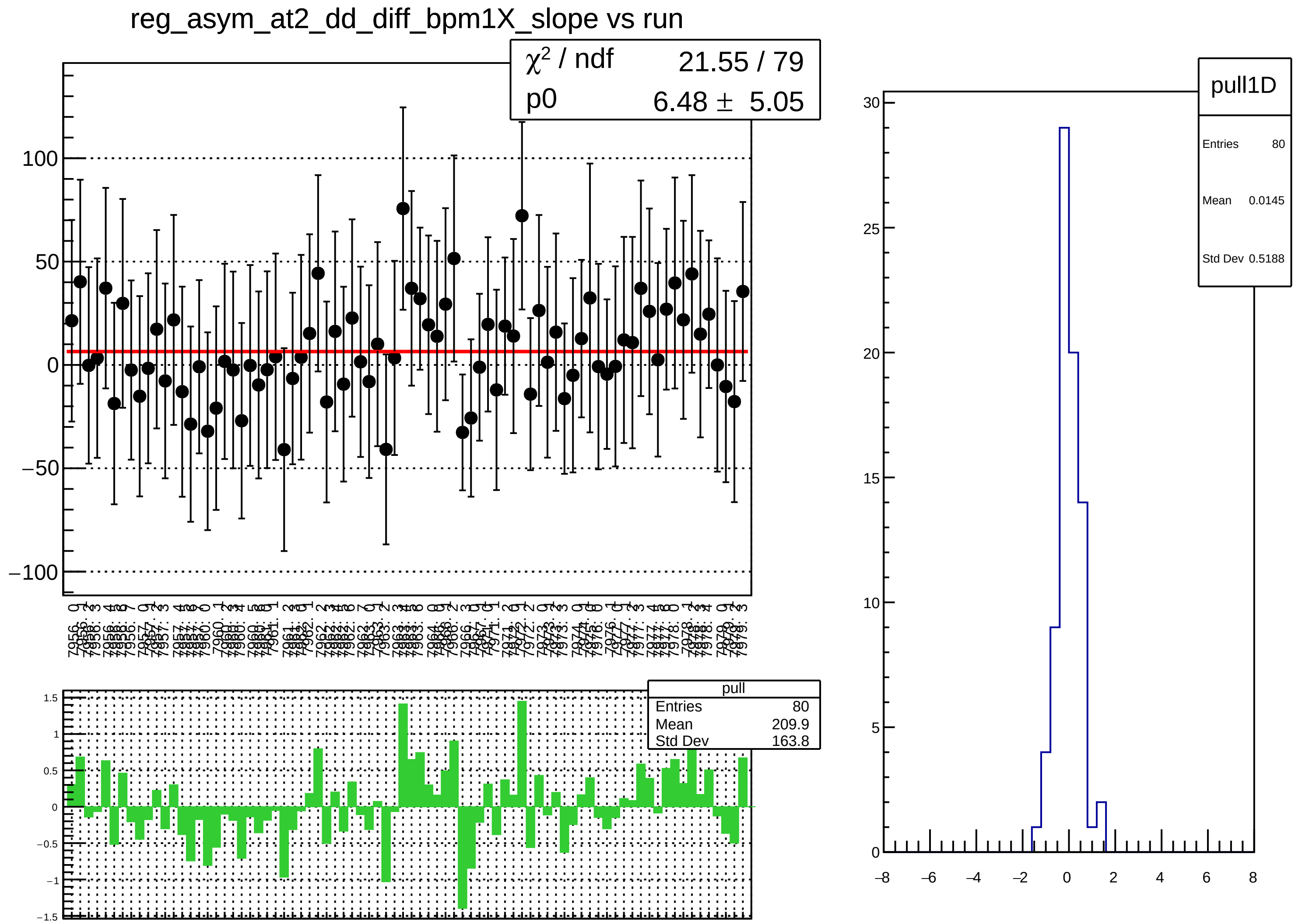


reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 6.927 / 79
p0 232.9 ± 15.22
pull
Entries 80
Mean 203.6
Std Dev 165.9
pull1D
Entries 80
Mean −0.007277
Std Dev 0.2942

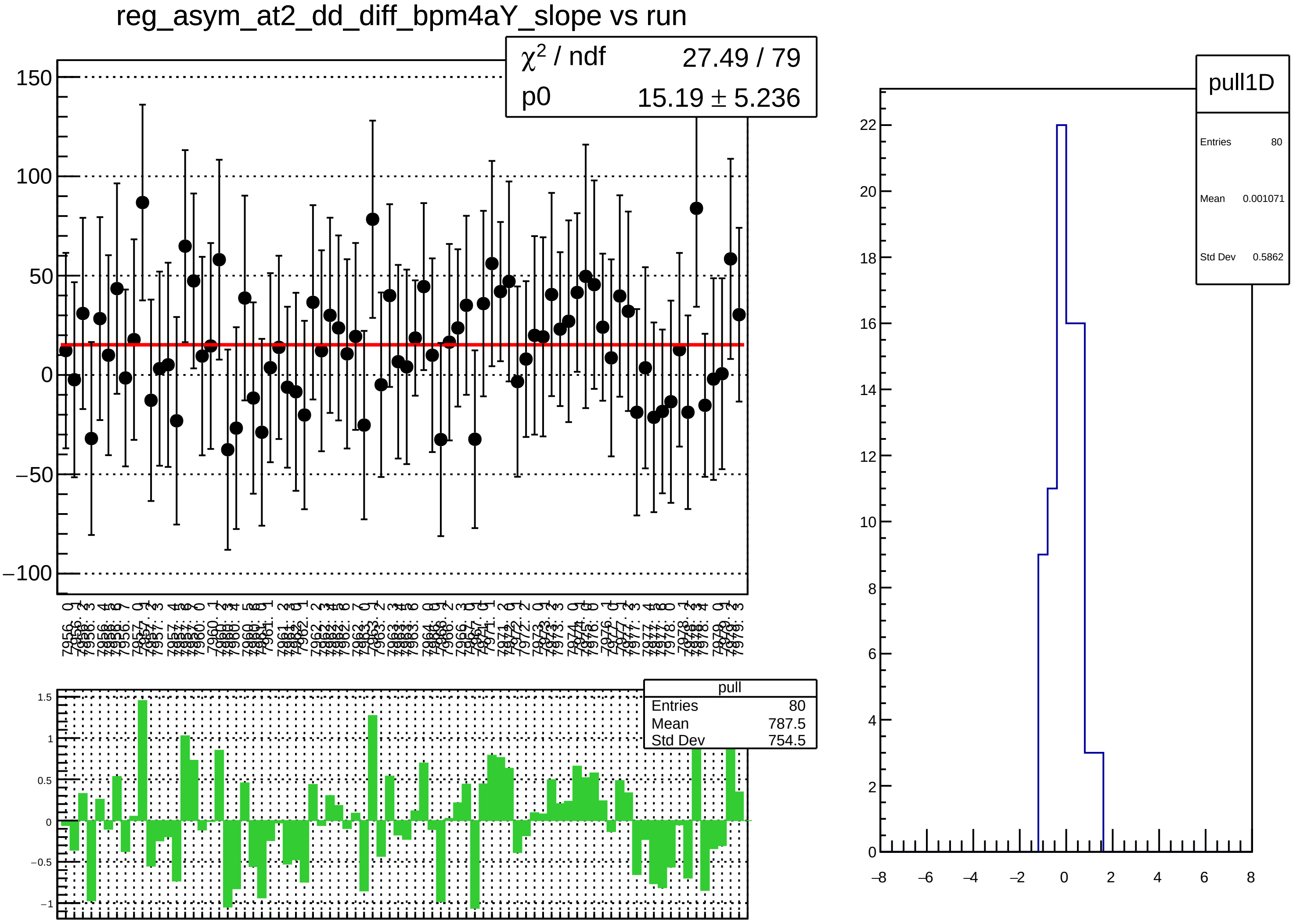

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.838 / 79
p0 15.33 ± 20.44
pull
Entries 80
Mean 6.008
Std Dev 68.46
pull1D
Entries 80
Mean 0.001586
Std Dev 0.1883



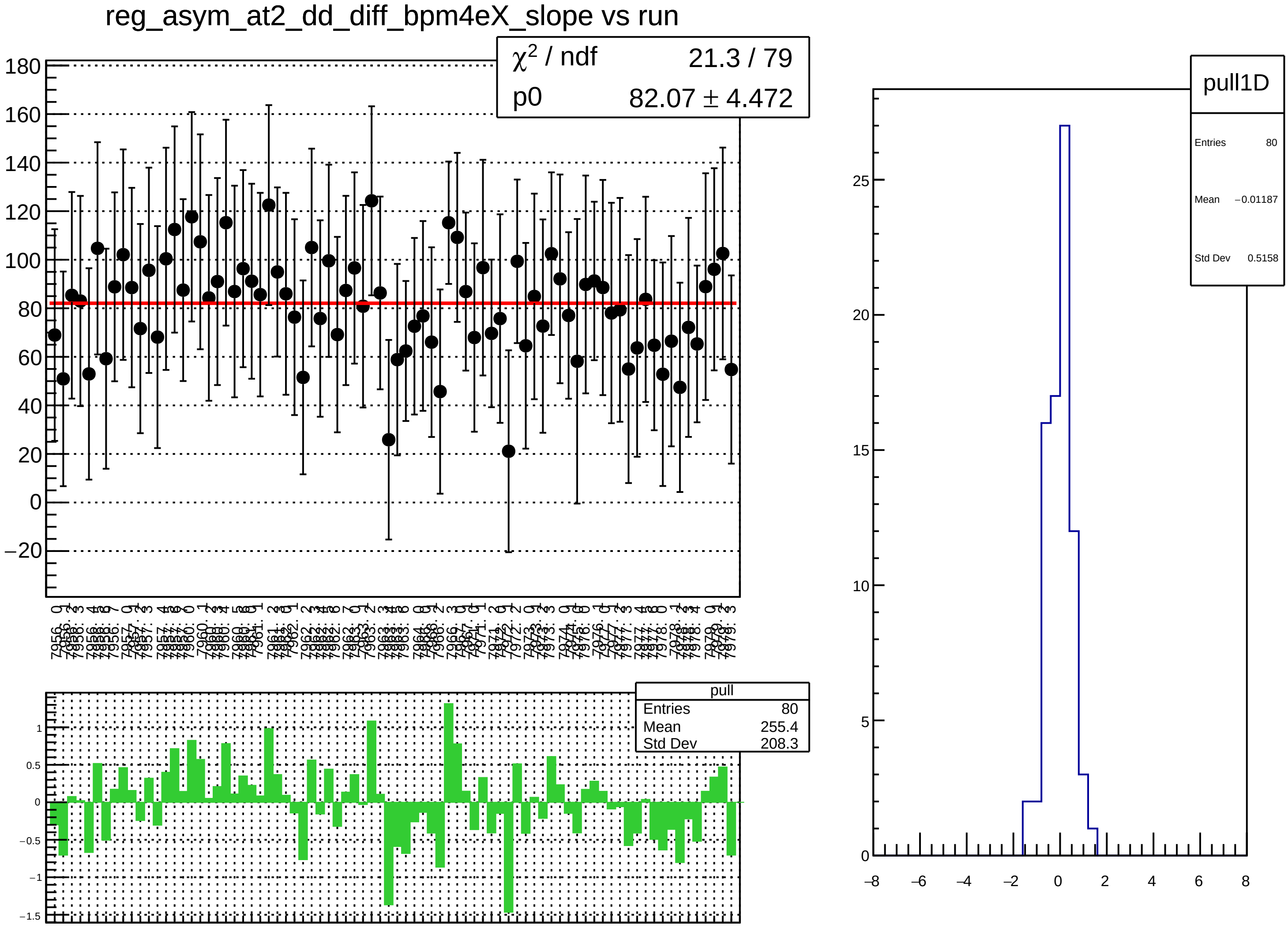
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 298.3 / 79
p0 −265.3 ± 0.5903
−230
−240
−250
−260
−270
−280
pull
Entries 80
Mean −287
Std Dev 323.9
pull1D
Entries 80
Mean −0.09067
Std Dev 1.929



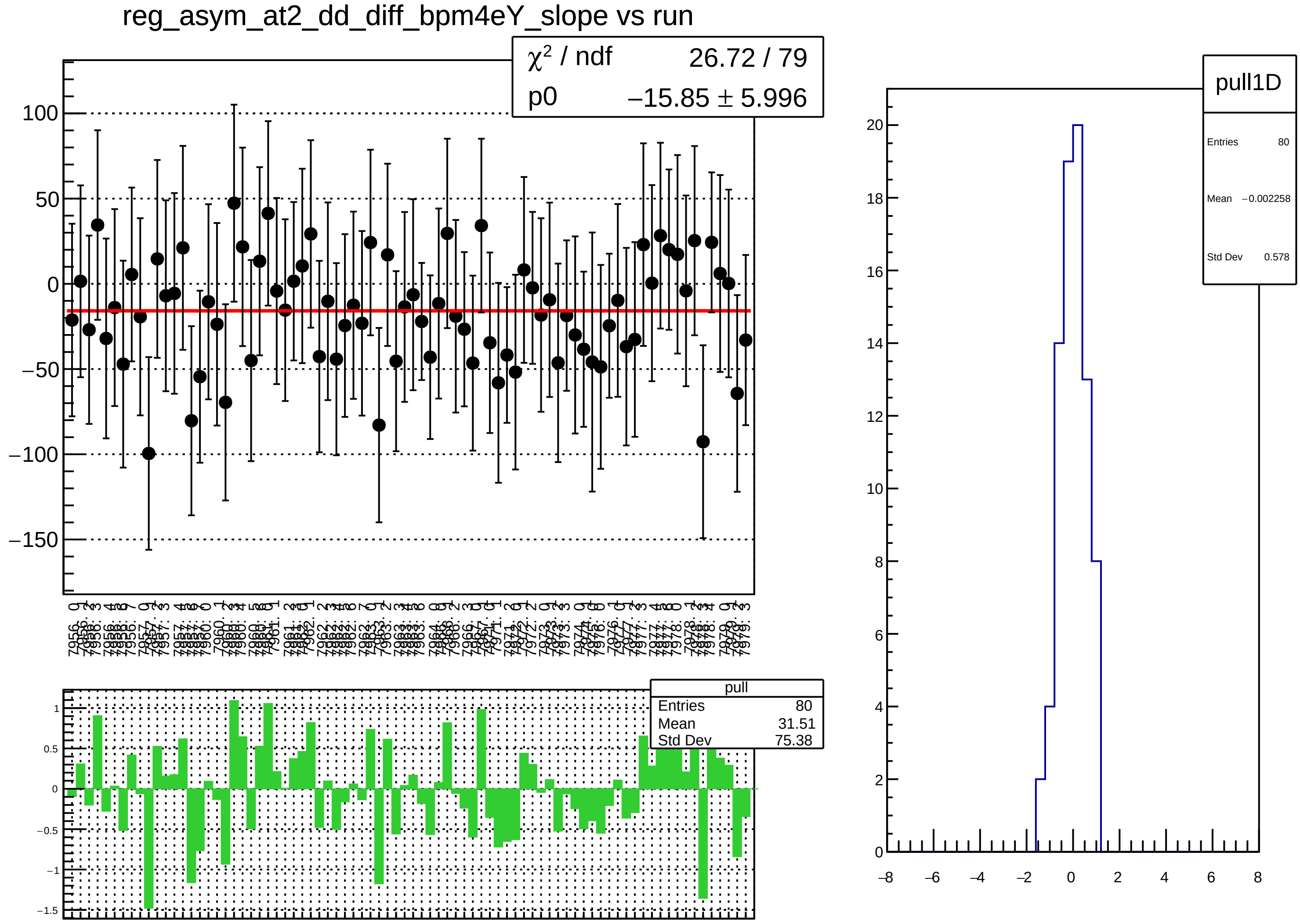
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ2 / ndf 21.55 / 79
p0 6.48 ± 5.05
pull
Entries 80
Mean 209.9
Std Dev 163.8
pull1D
Entries 80
Mean 0.0145
Std Dev 0.5188



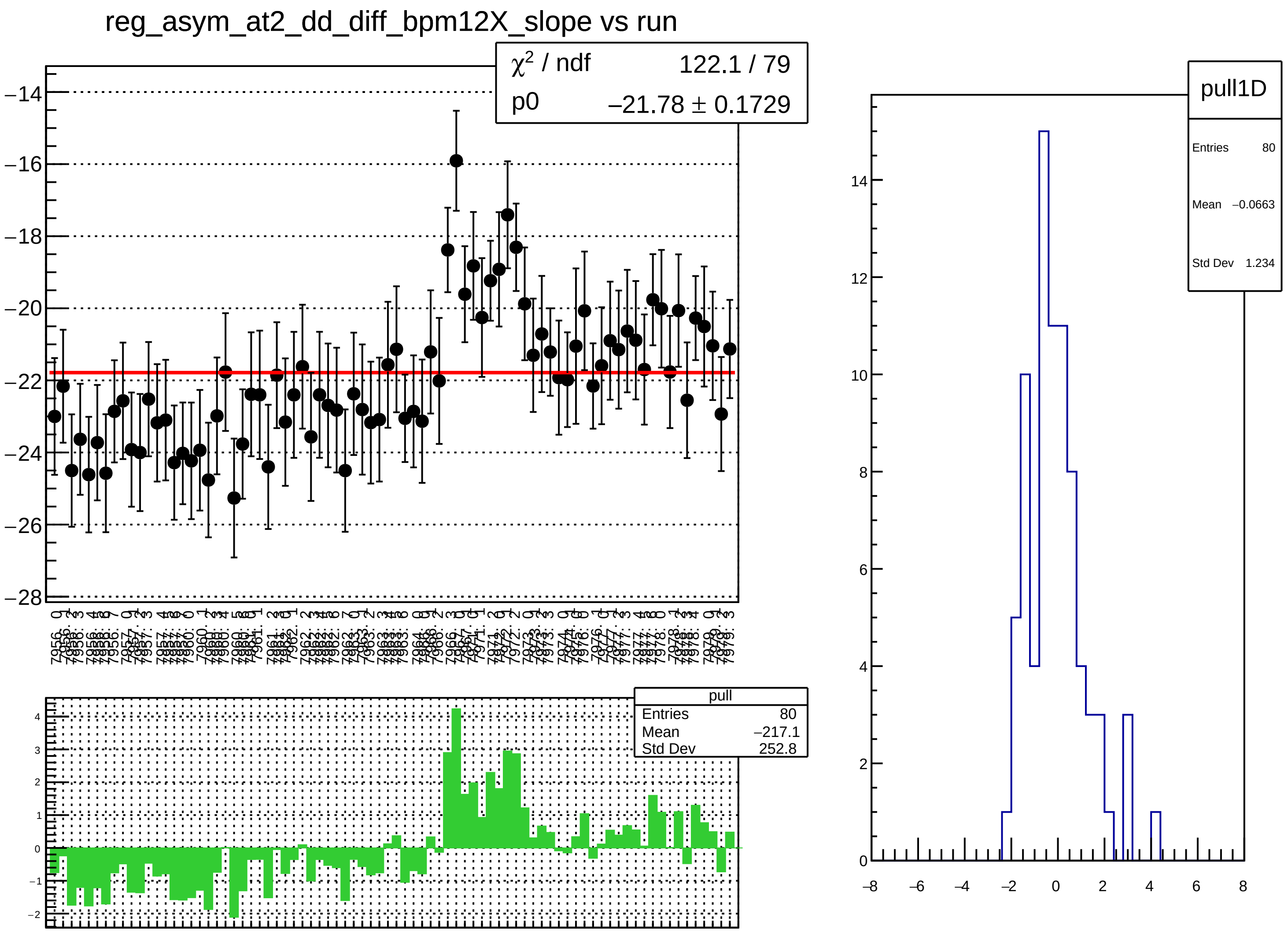
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 27.49 / 79
p0 15.19 ± 5.236
pull
Entries 80
Mean 787.5
Std Dev 754.5
pull1D
Entries 80
Mean 0.001071
Std Dev 0.5862



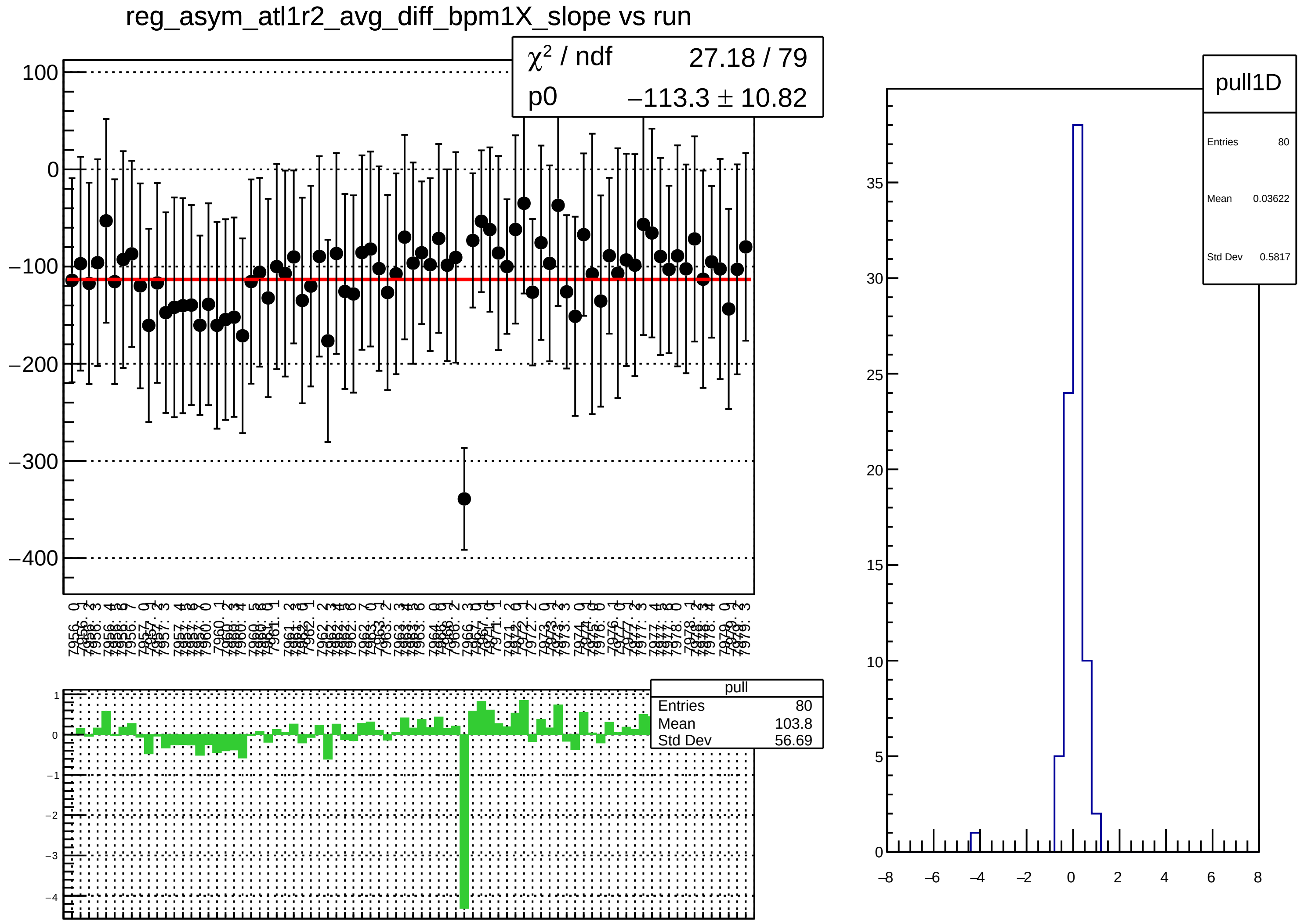
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 21.3 / 79
p0 82.07 ± 4.472
pull
Entries 80
Mean 255.4
Std Dev 208.3
pull1D
Entries 80
Mean −0.01187
Std Dev 0.5158



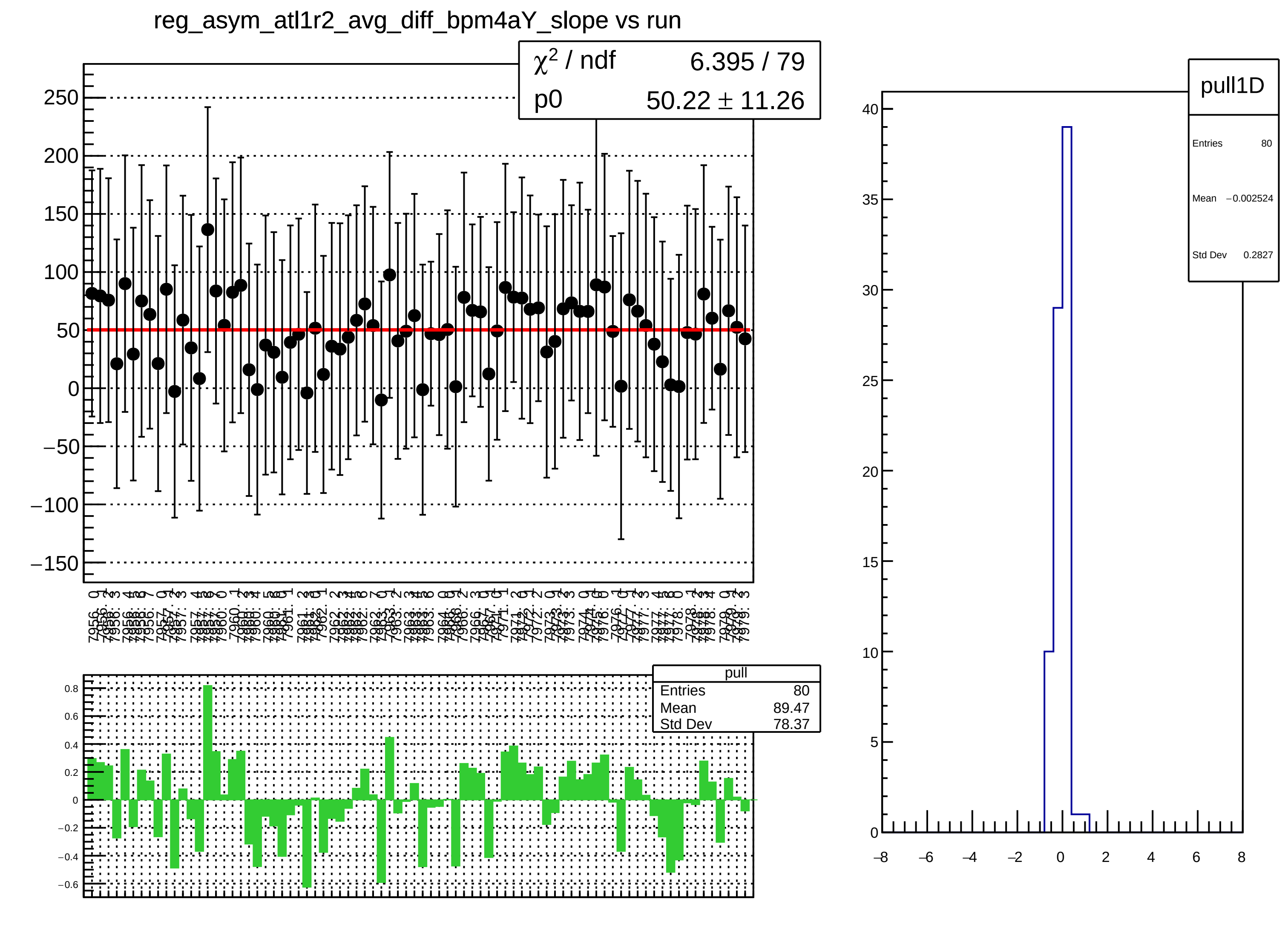
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 26.72 / 79
p0 −15.85 ± 5.996
100
50
0
−50
−100
−150
pull
Entries 80
Mean 31.51
Std Dev 75.38
pull1D
Entries 80
Mean −0.002258
Std Dev 0.578



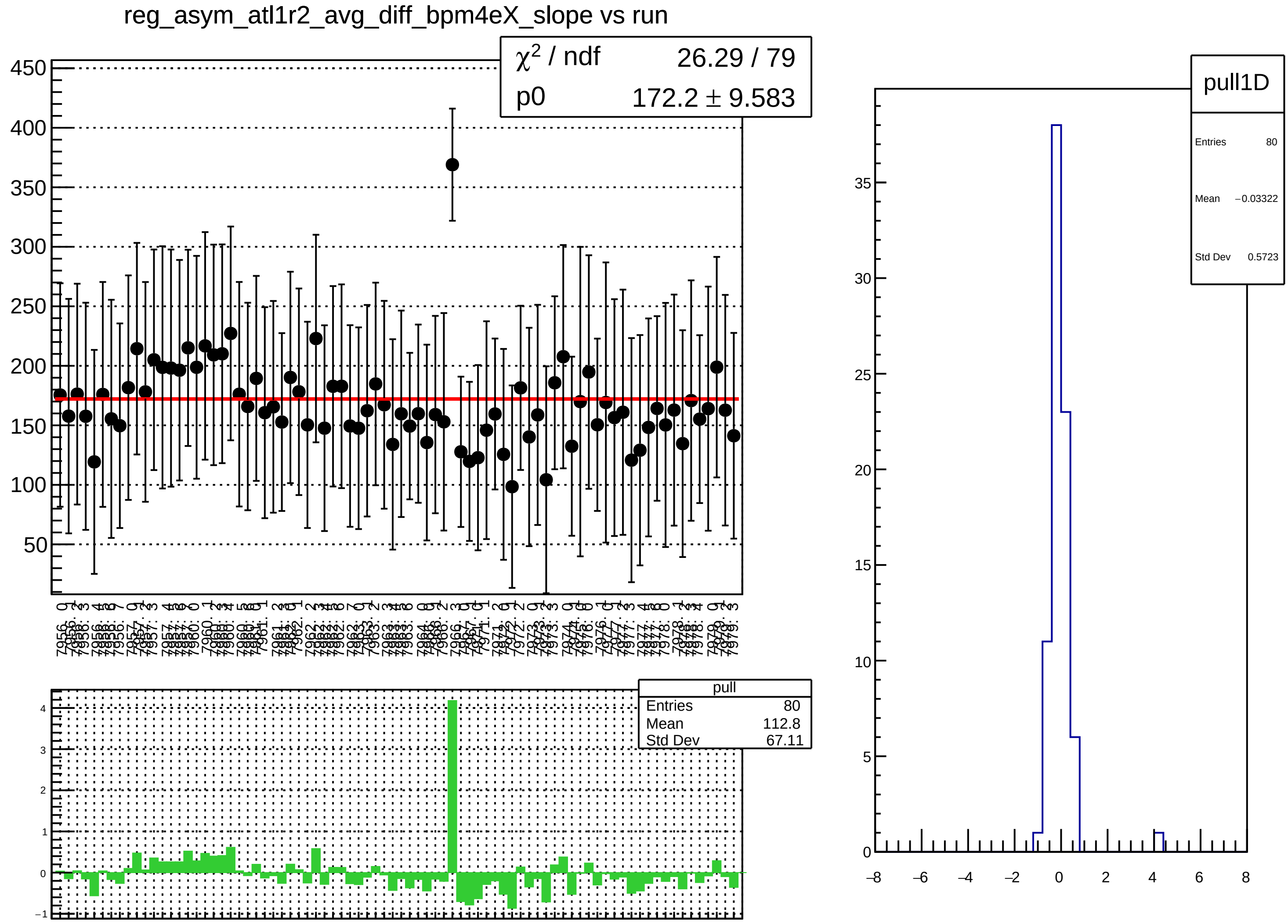
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 122.1 / 79
p0 −21.78 ± 0.1729
pull
Entries 80
Mean −217.1
Std Dev 252.8
pull1D
Entries 80
Mean −0.0663
Std Dev 1.234

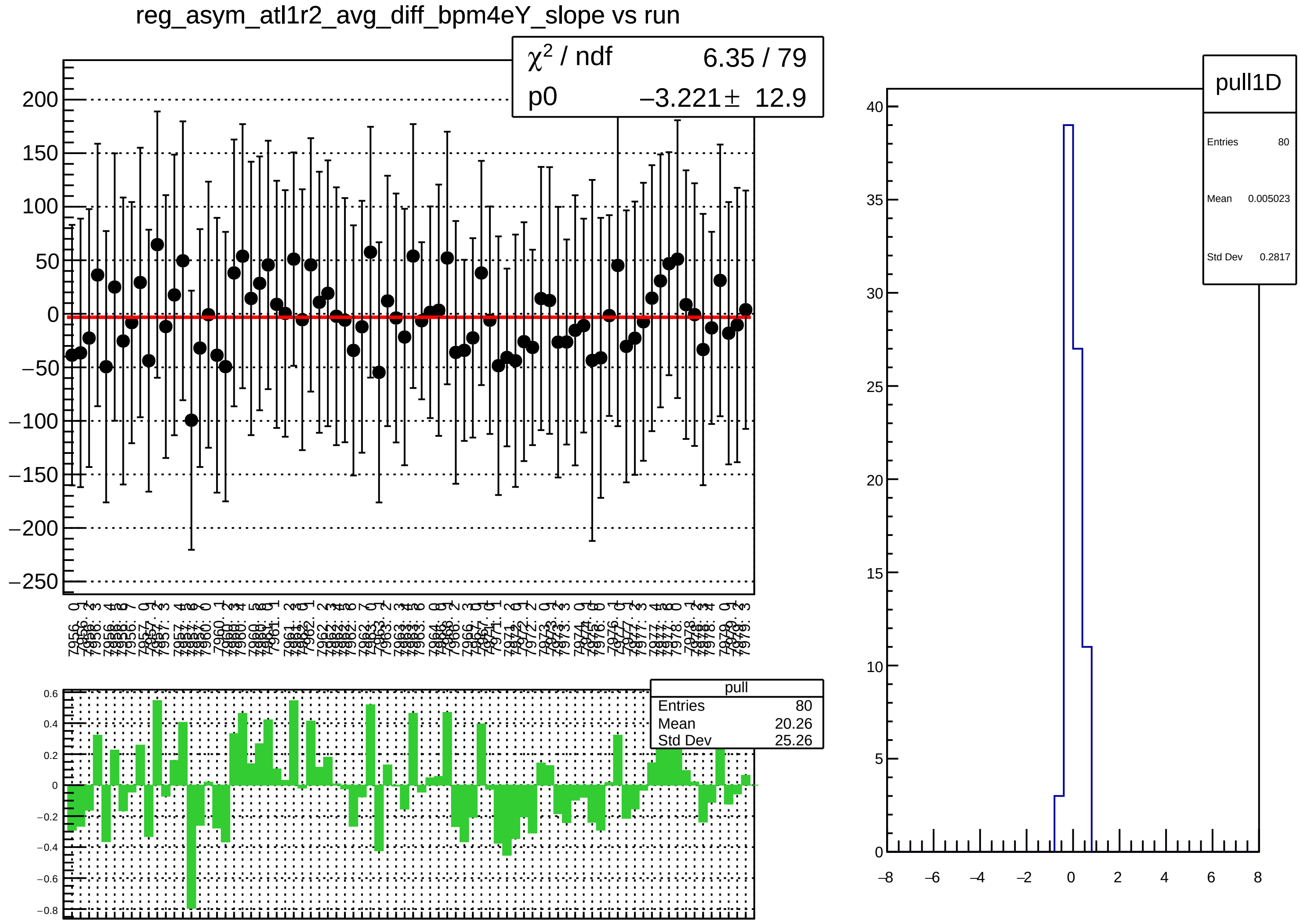


reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ2 / ndf 27.18 / 79
p0 −113.3 ± 10.82
pull
Entries 80
Mean 103.8
Std Dev 56.69
pull1D
Entries 80
Mean 0.03622
Std Dev 0.5817

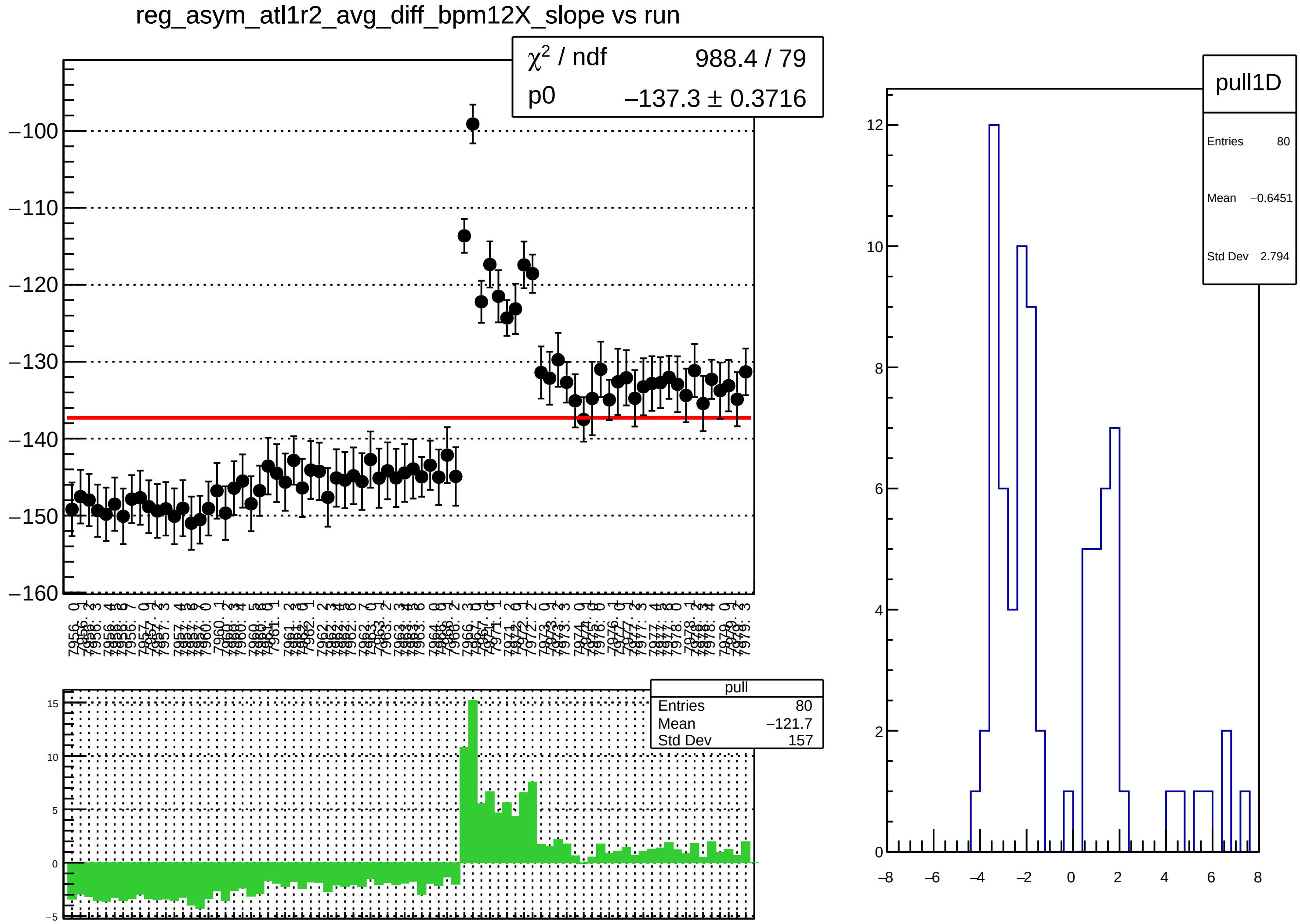


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 6.395 / 79
p0 50.22 ± 11.26
pull
Entries 80
Mean 89.47
Std Dev 78.37
pull1D
Entries 80
Mean −0.002524
Std Dev 0.2827

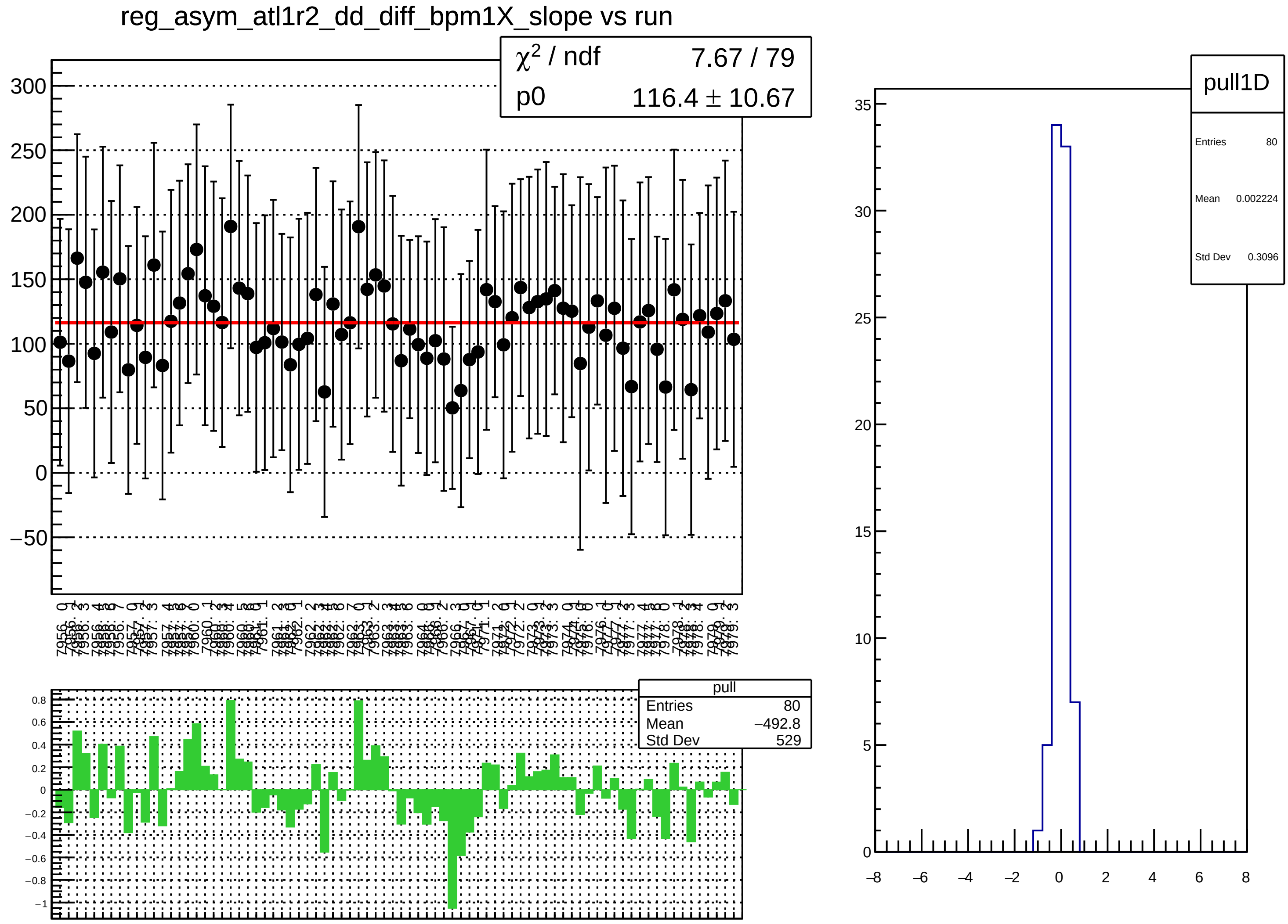

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 26.29 / 79
p0 172.2 ± 9.583
pull
Entries 80
Mean 112.8
Std Dev 67.11
pull1D
Entries 80
Mean −0.03322
Std Dev 0.5723



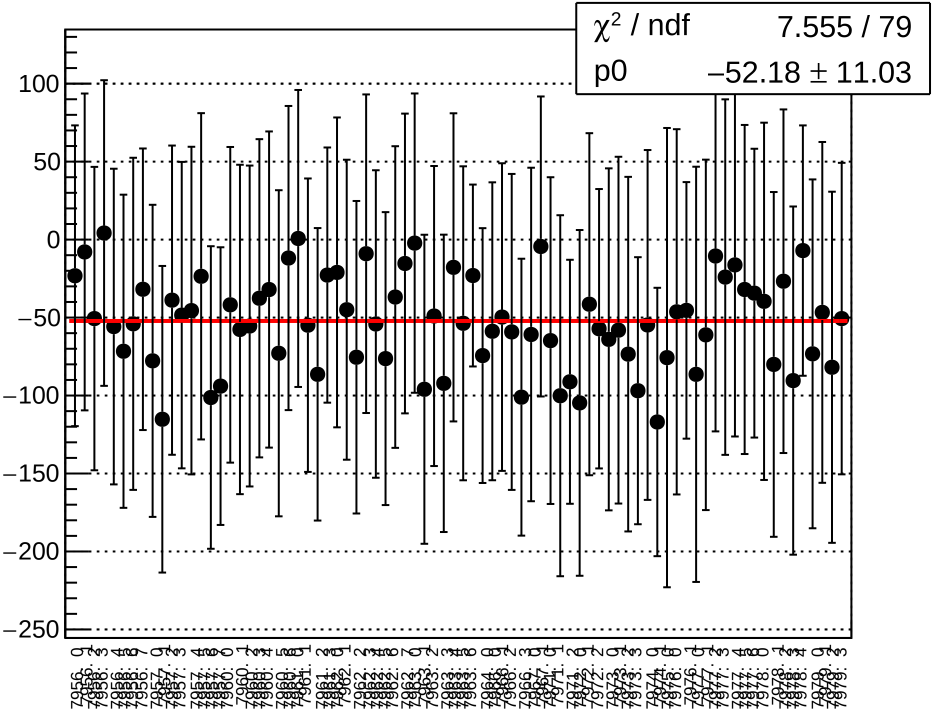
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.35 / 79
p0 −3.221 ± 12.9
pull
Entries 80
Mean 20.26
Std Dev 25.26
pull1D
Entries 80
Mean 0.005023
Std Dev 0.2817

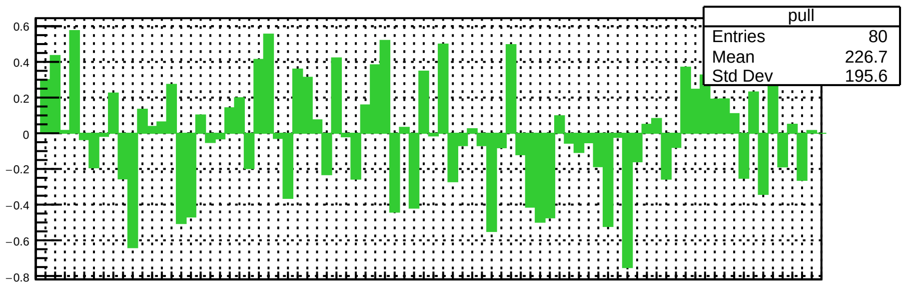


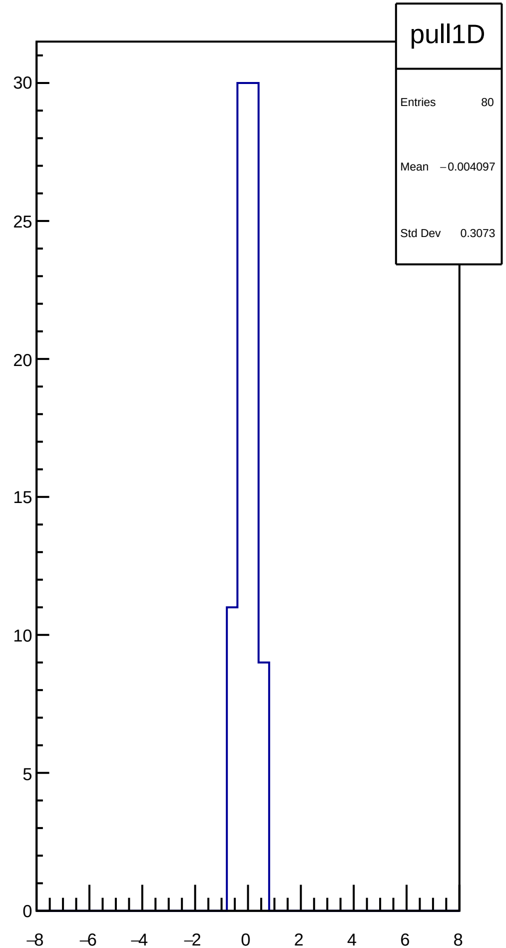
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 988.4 / 79
p0 −137.3 ± 0.3716
−100
−110
−120
−130
−140
−150
−160
pull
Entries 80
Mean −121.7
Std Dev 157
15
10
5
0
−5
pull1D
Entries 80
Mean −0.6451
Std Dev 2.794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

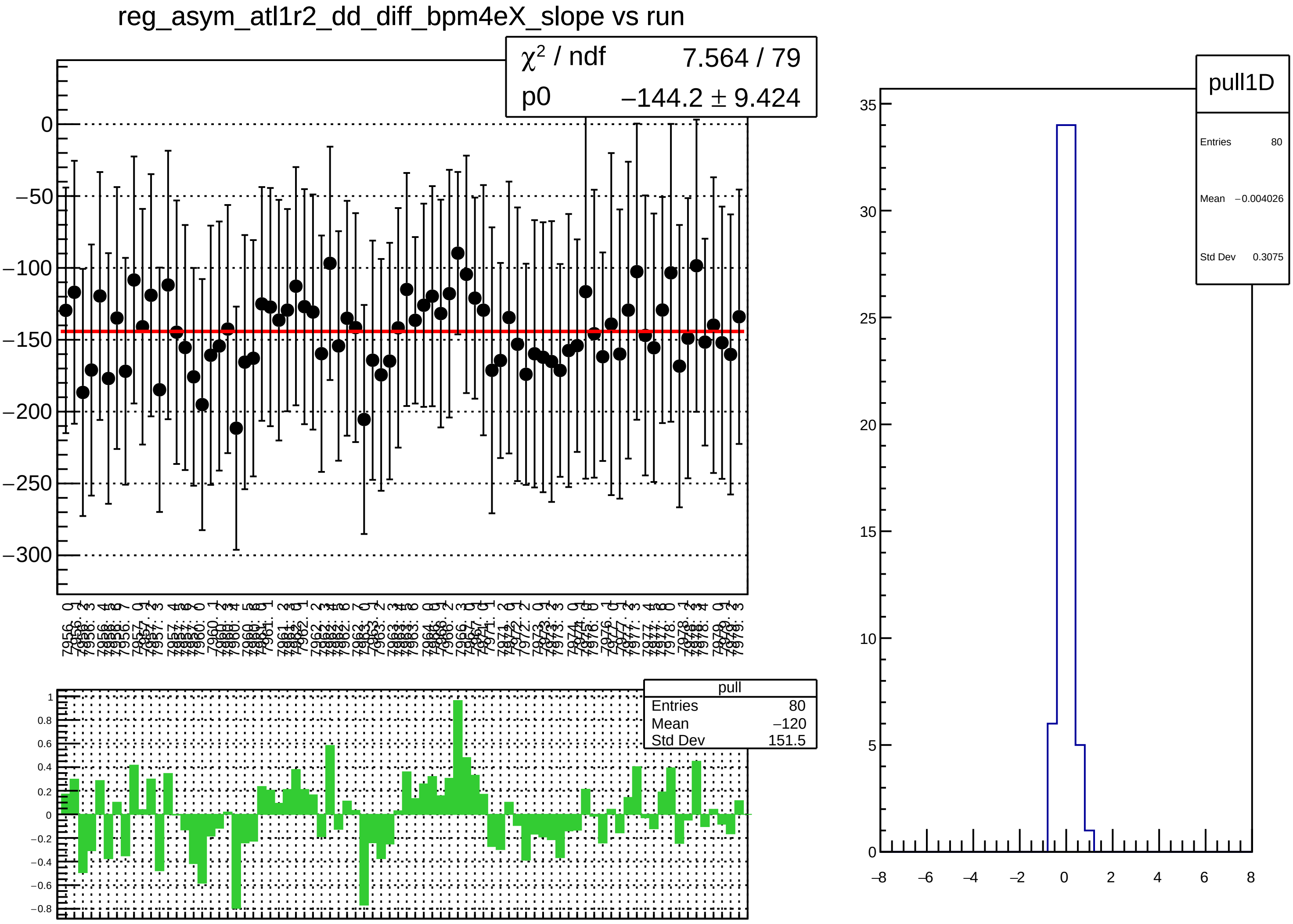

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.67 / 79
p0 116.4 ± 10.67
pull
Entries 80
Mean −492.8
Std Dev 529
pull1D
Entries 80
Mean 0.002224
Std Dev 0.3096

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run

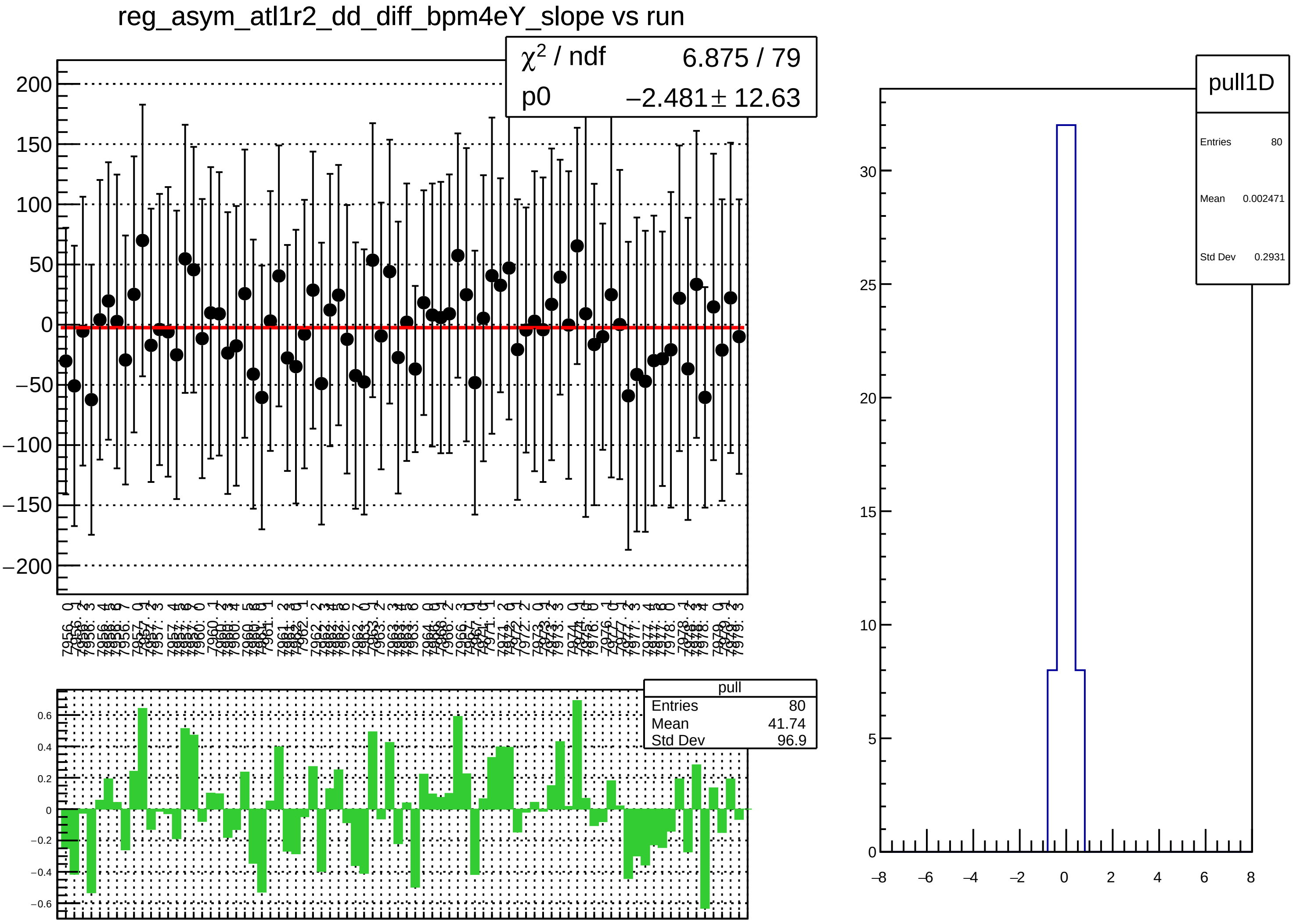




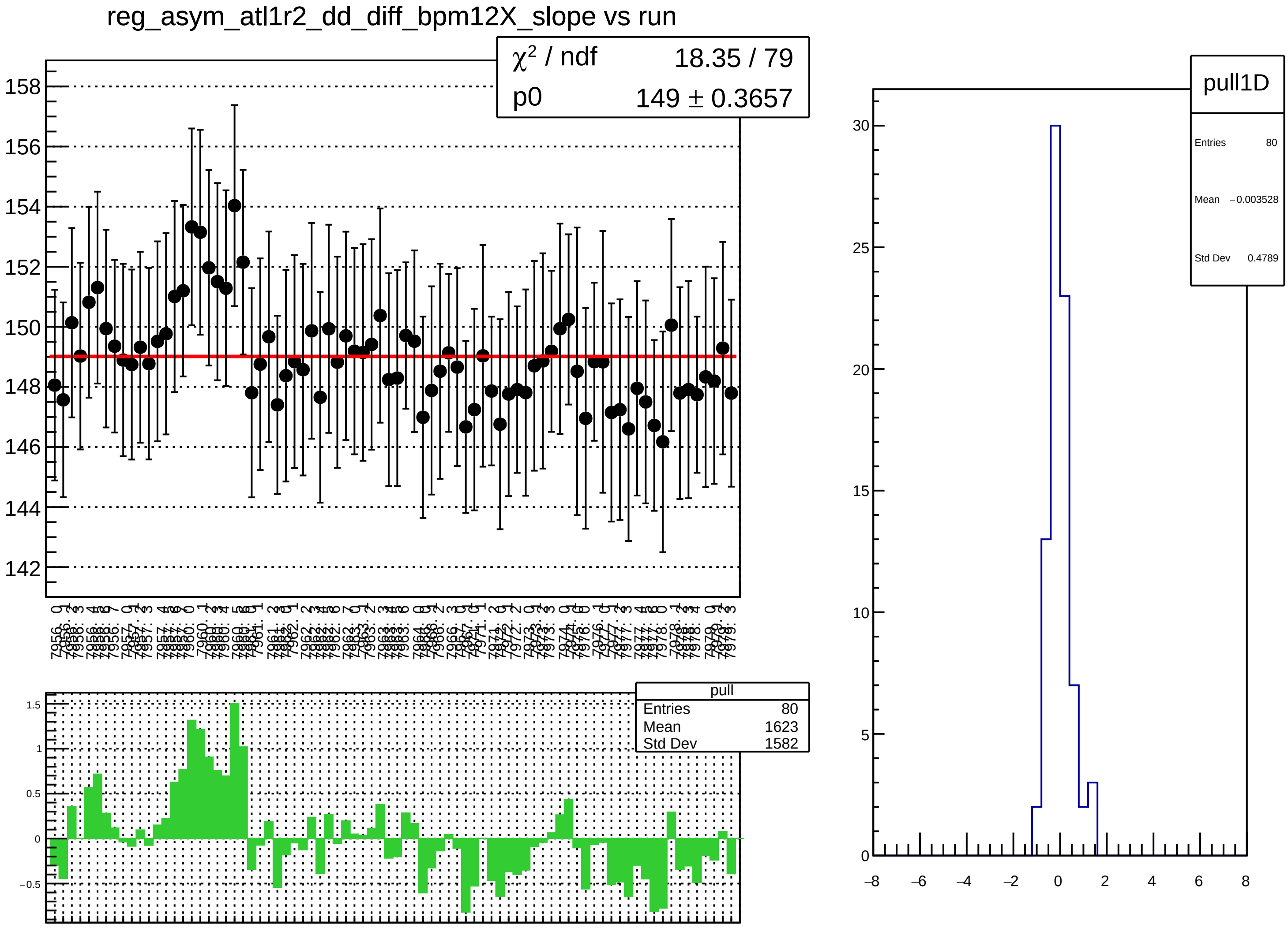




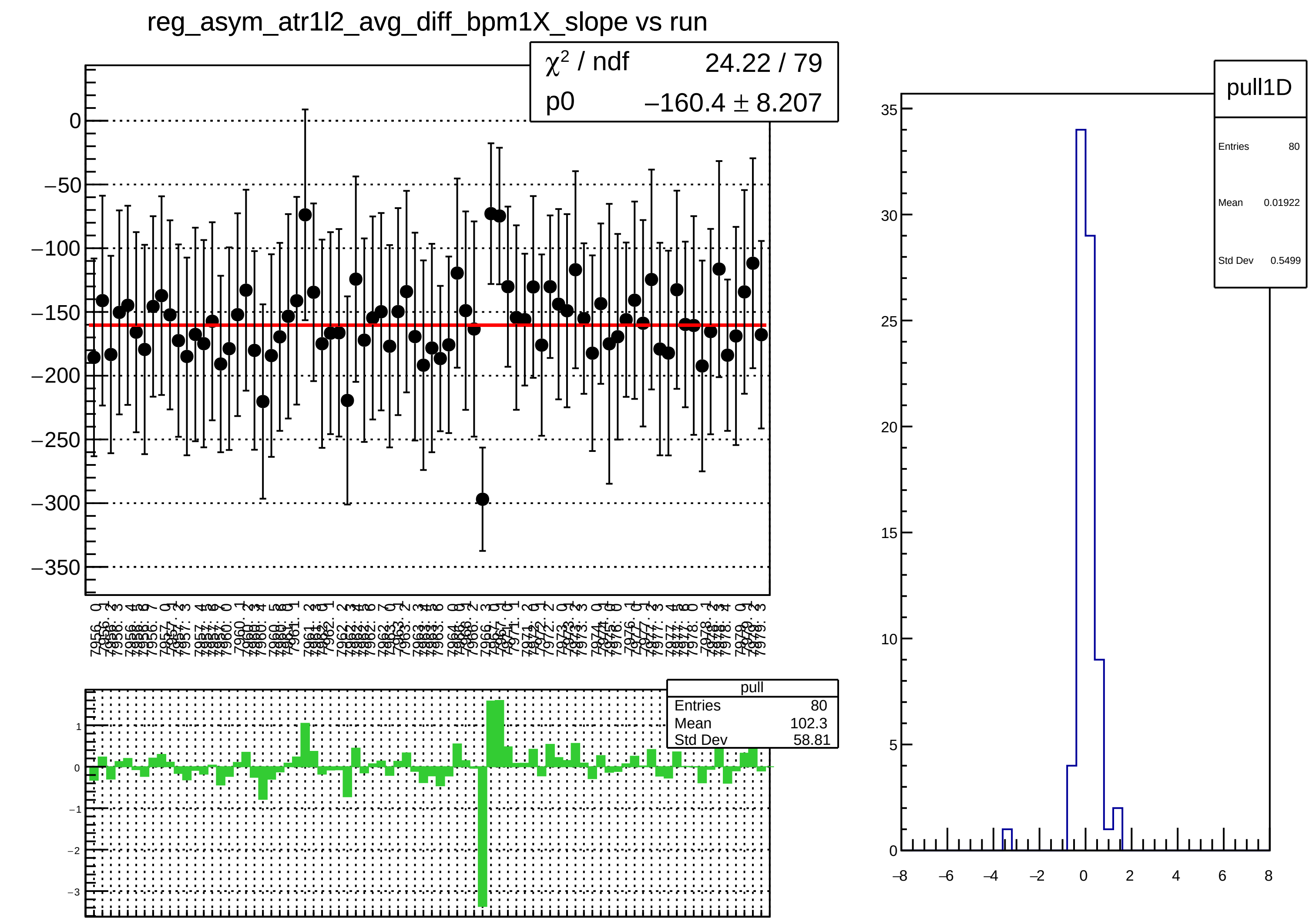
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.564 / 79
p0 −144.2 ± 9.424
pull
Entries 80
Mean −120
Std Dev 151.5
pull1D
Entries 80
Mean −0.004026
Std Dev 0.3075



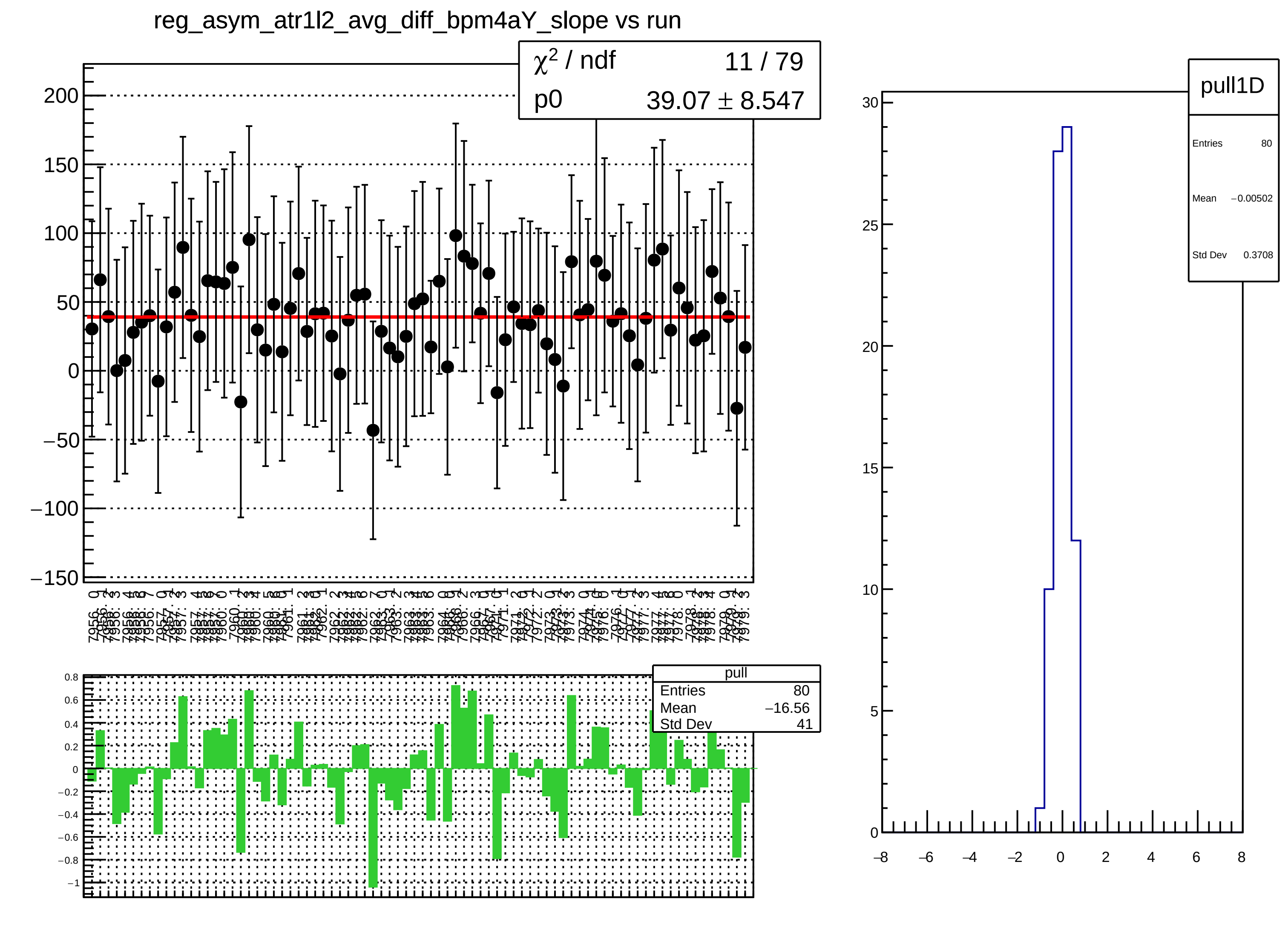
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 6.875 / 79
p0 −2.481 ± 12.63
pull
Entries 80
Mean 41.74
Std Dev 96.9
pull1D
Entries 80
Mean 0.002471
Std Dev 0.2931

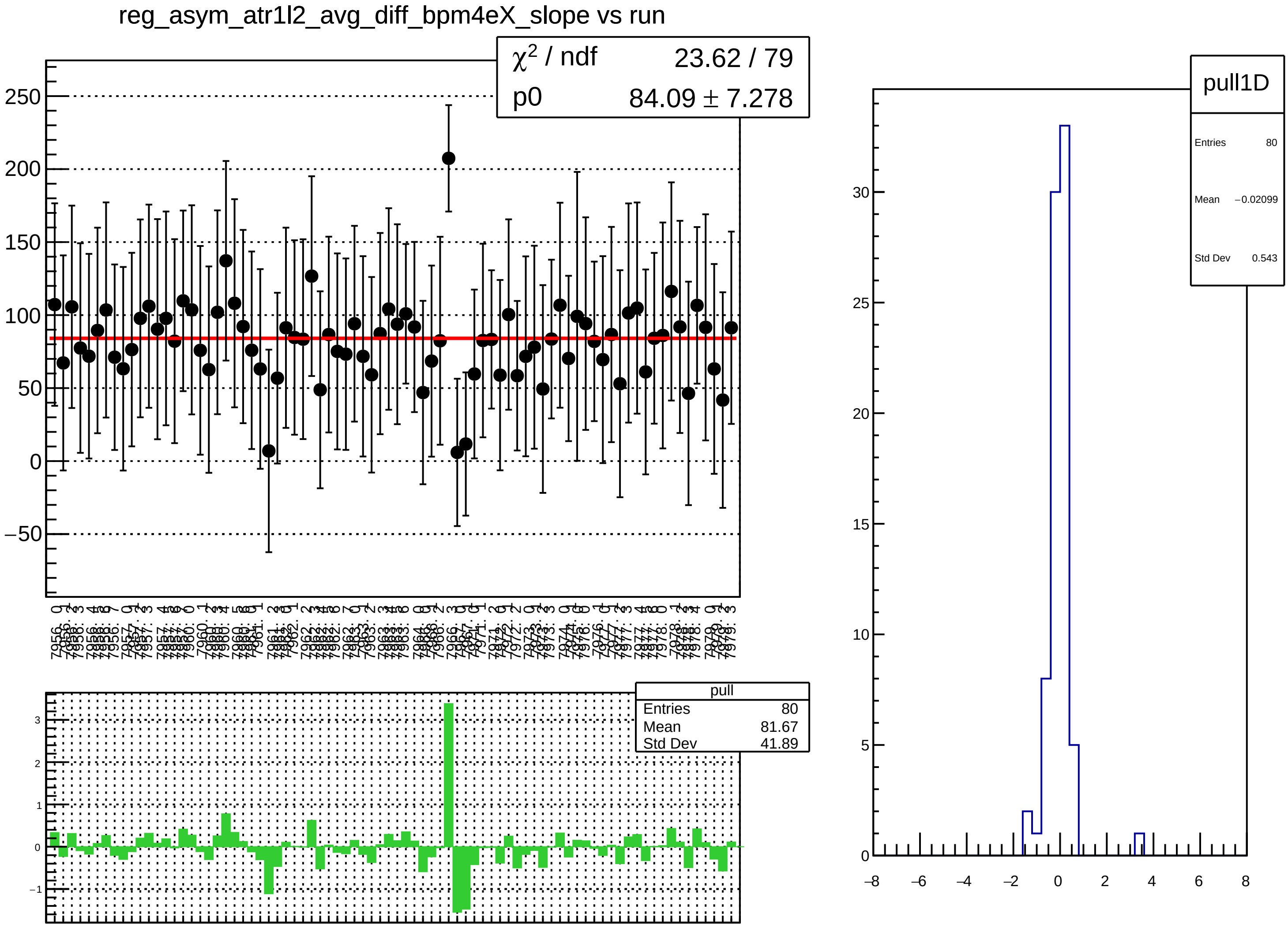


reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 18.35 / 79
p0 149 ± 0.3657
pull
Entries 80
Mean 1623
Std Dev 1582
pull1D
Entries 80
Mean −0.003528
Std Dev 0.4789

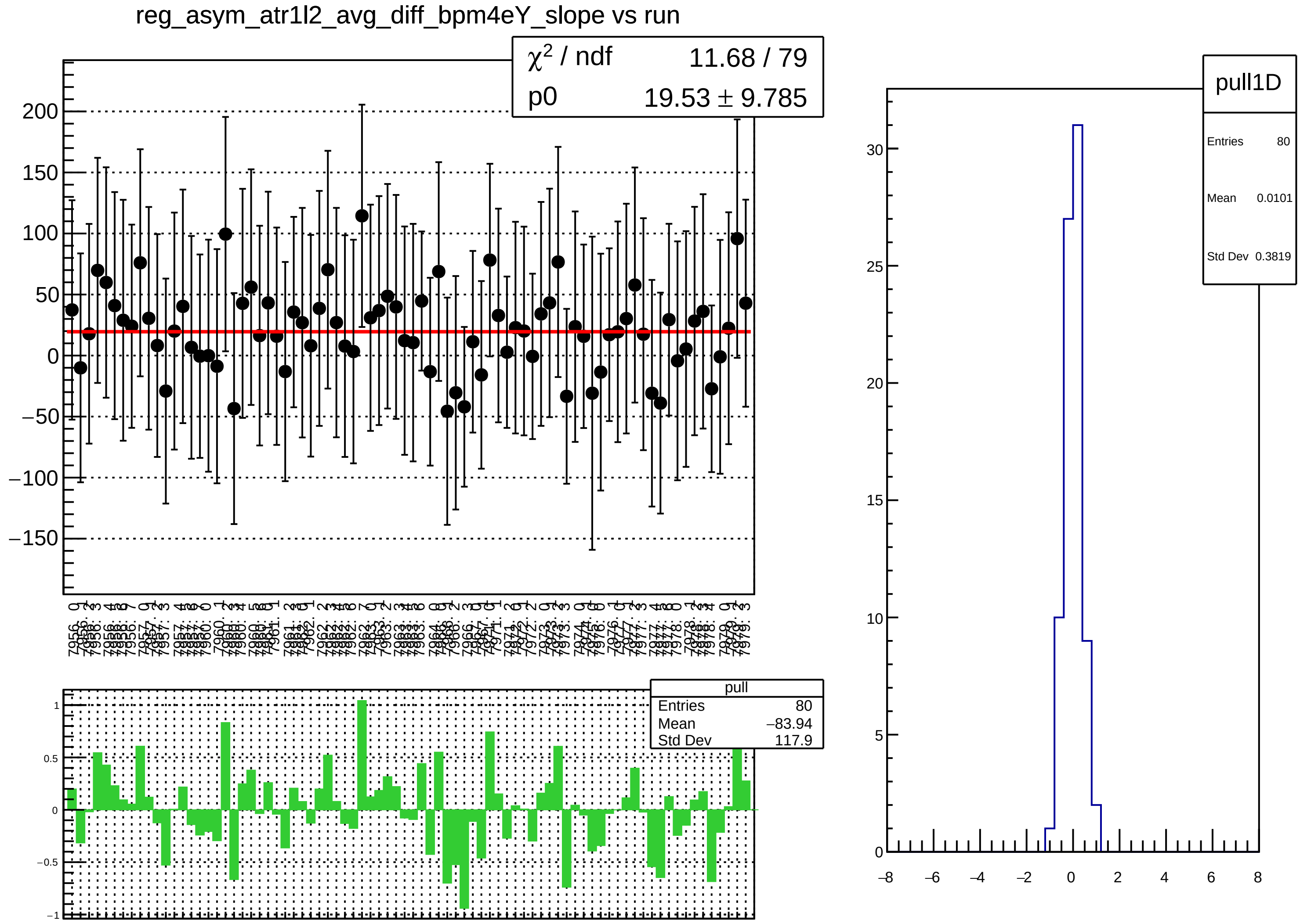


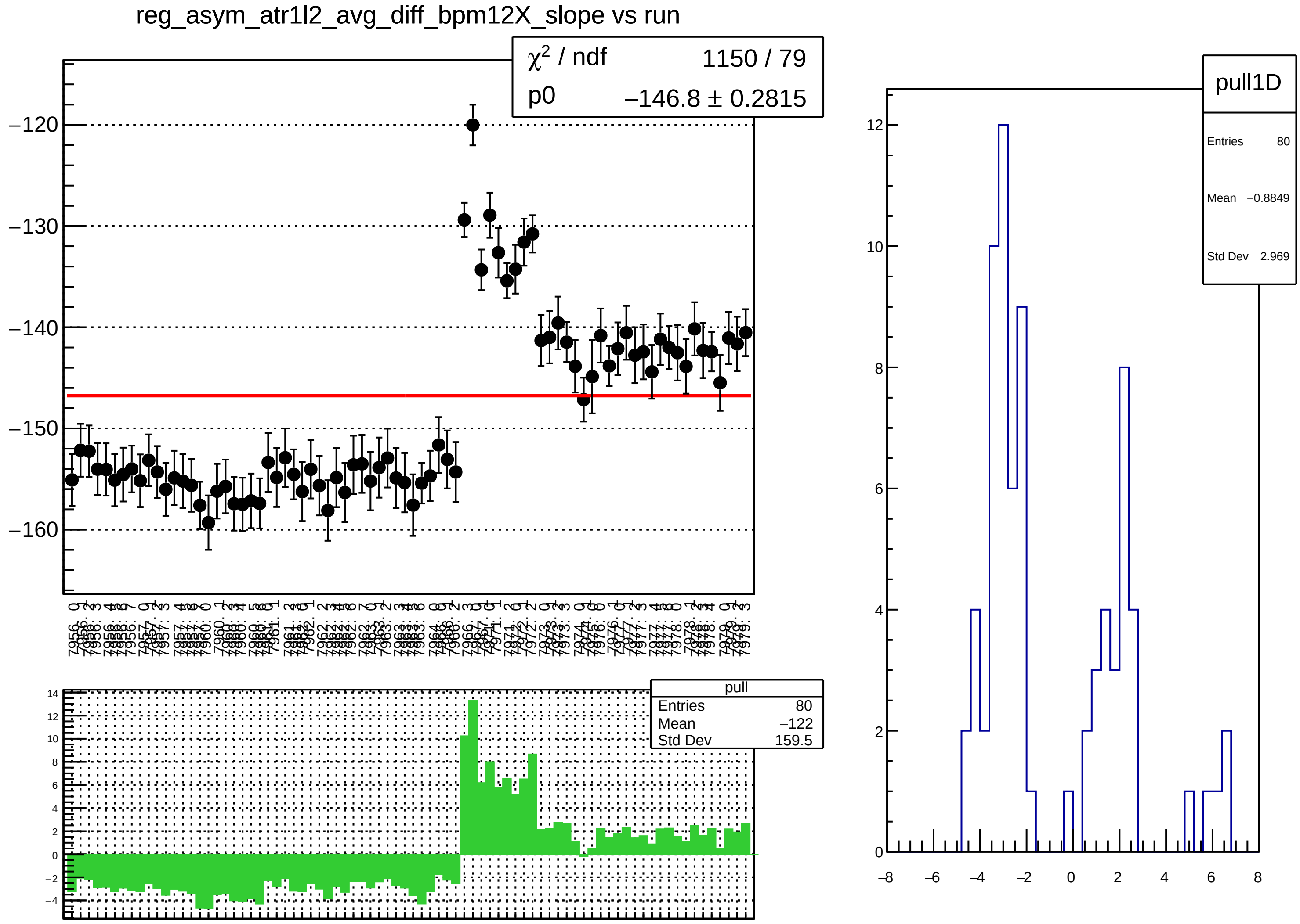
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.22 / 79
p0 −160.4 ± 8.207
pull
Entries 80
Mean 102.3
Std Dev 58.81
pull1D
Entries 80
Mean 0.01922
Std Dev 0.5499


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

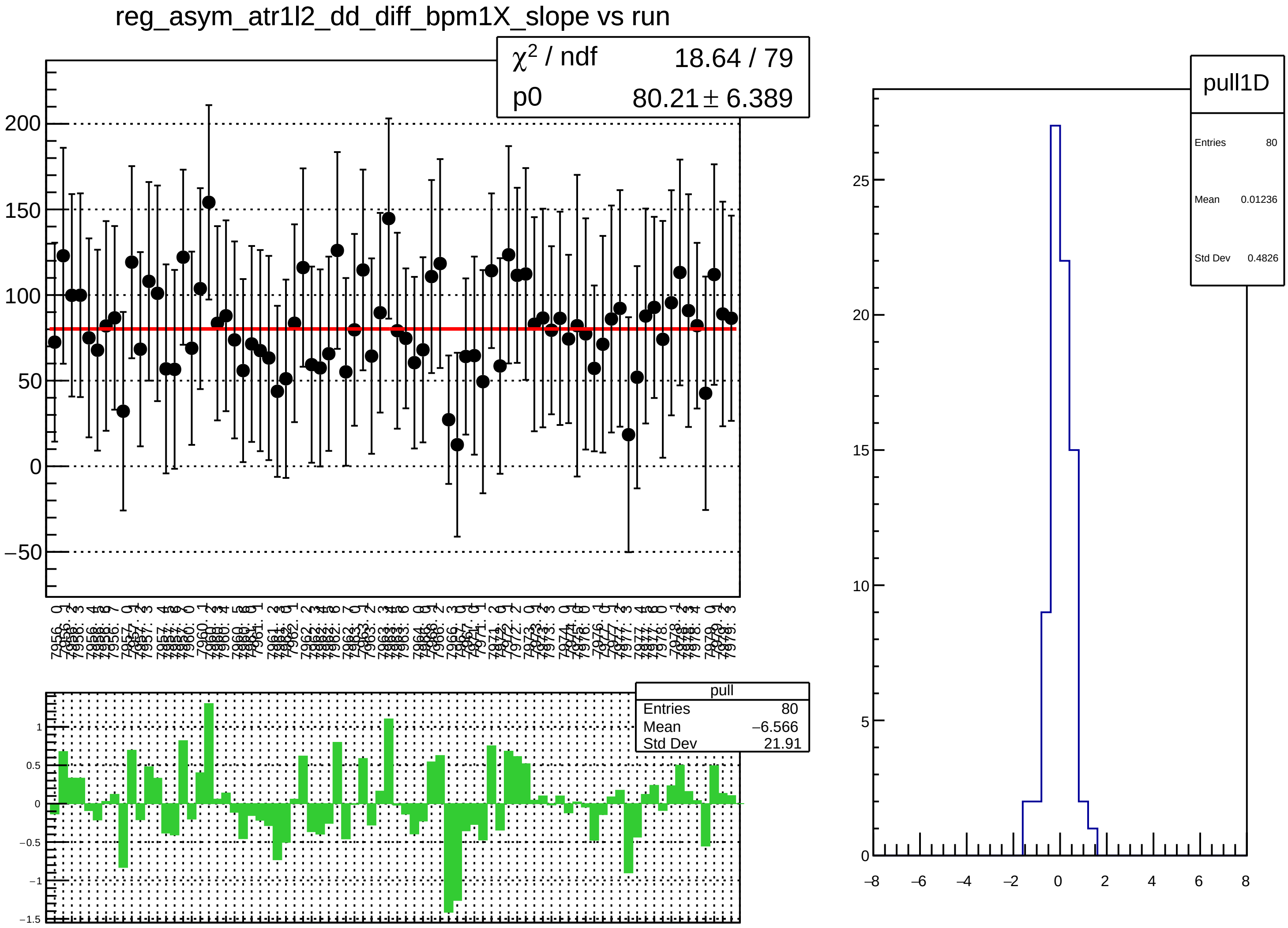


reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.62 / 79
p0 84.09 ± 7.278
pull
Entries 80
Mean 81.67
Std Dev 41.89
pull1D
Entries 80
Mean −0.02099
Std Dev 0.543

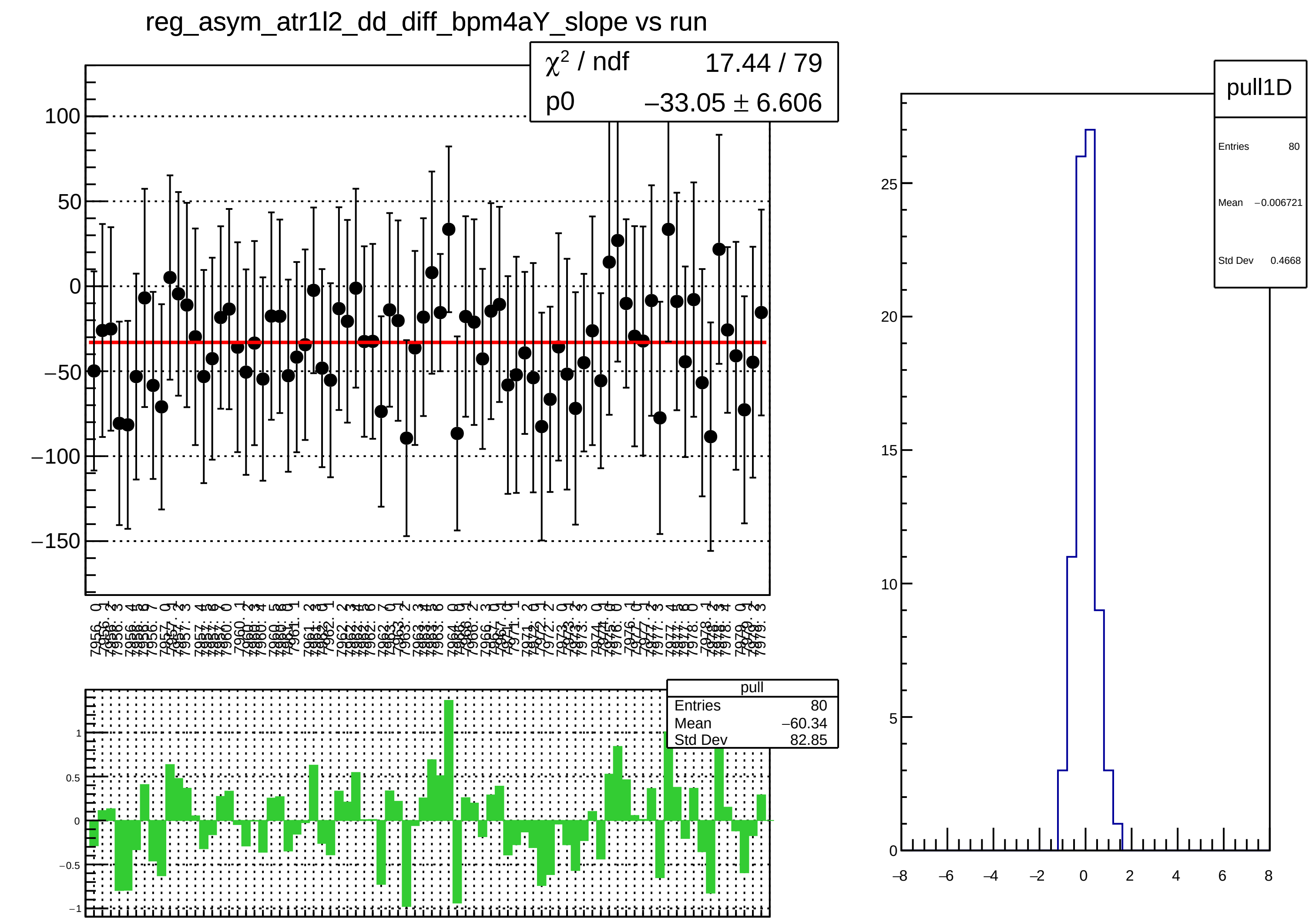

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.68 / 79
p0 19.53 ± 9.785
pull
Entries 80
Mean −83.94
Std Dev 117.9
pull1D
Entries 80
Mean 0.0101
Std Dev 0.3819

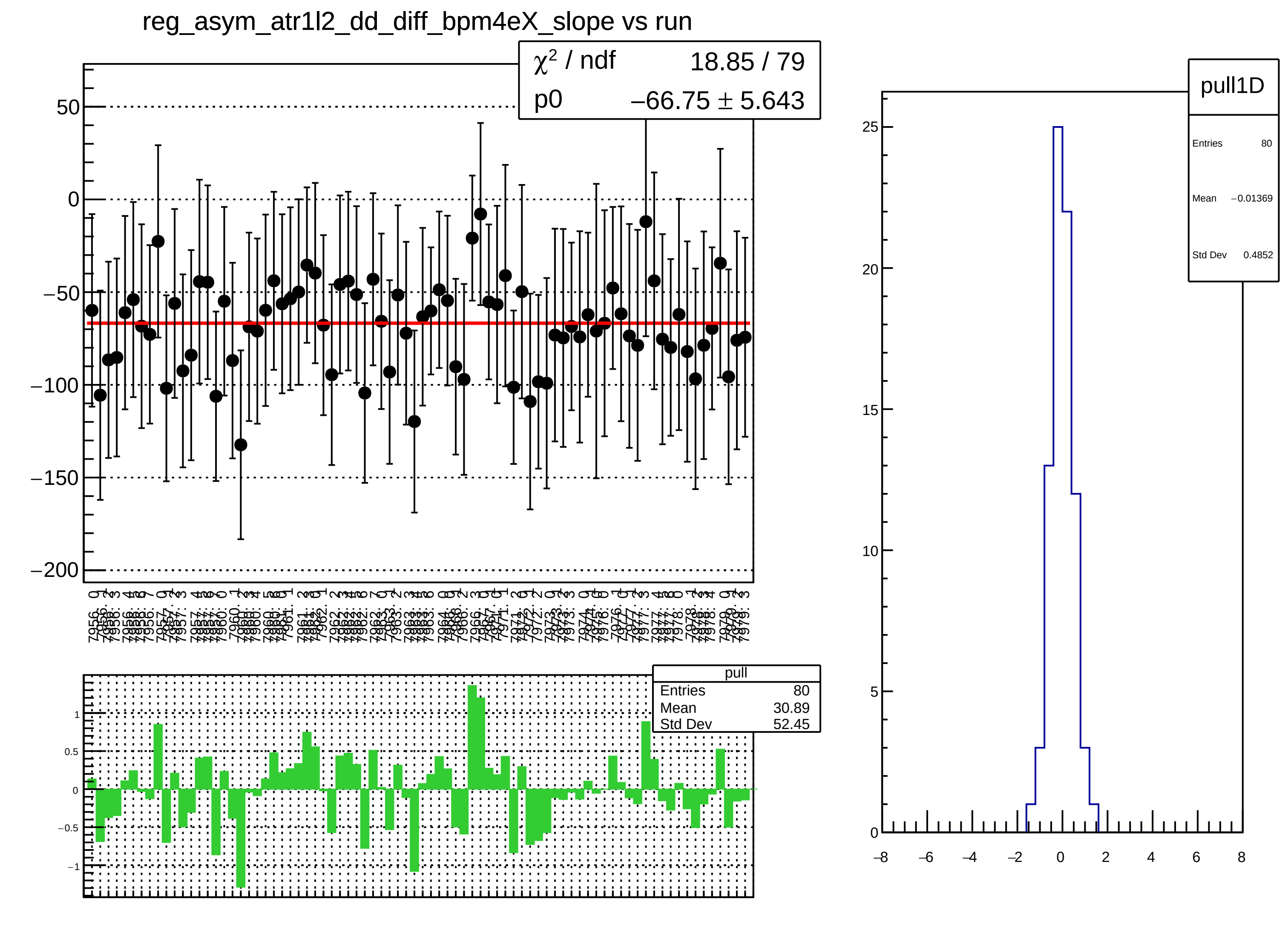


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1150 / 79
p0 −146.8 ± 0.2815
pull
Entries 80
Mean −122
Std Dev 159.5
pull1D
Entries 80
Mean −0.8849
Std Dev 2.969

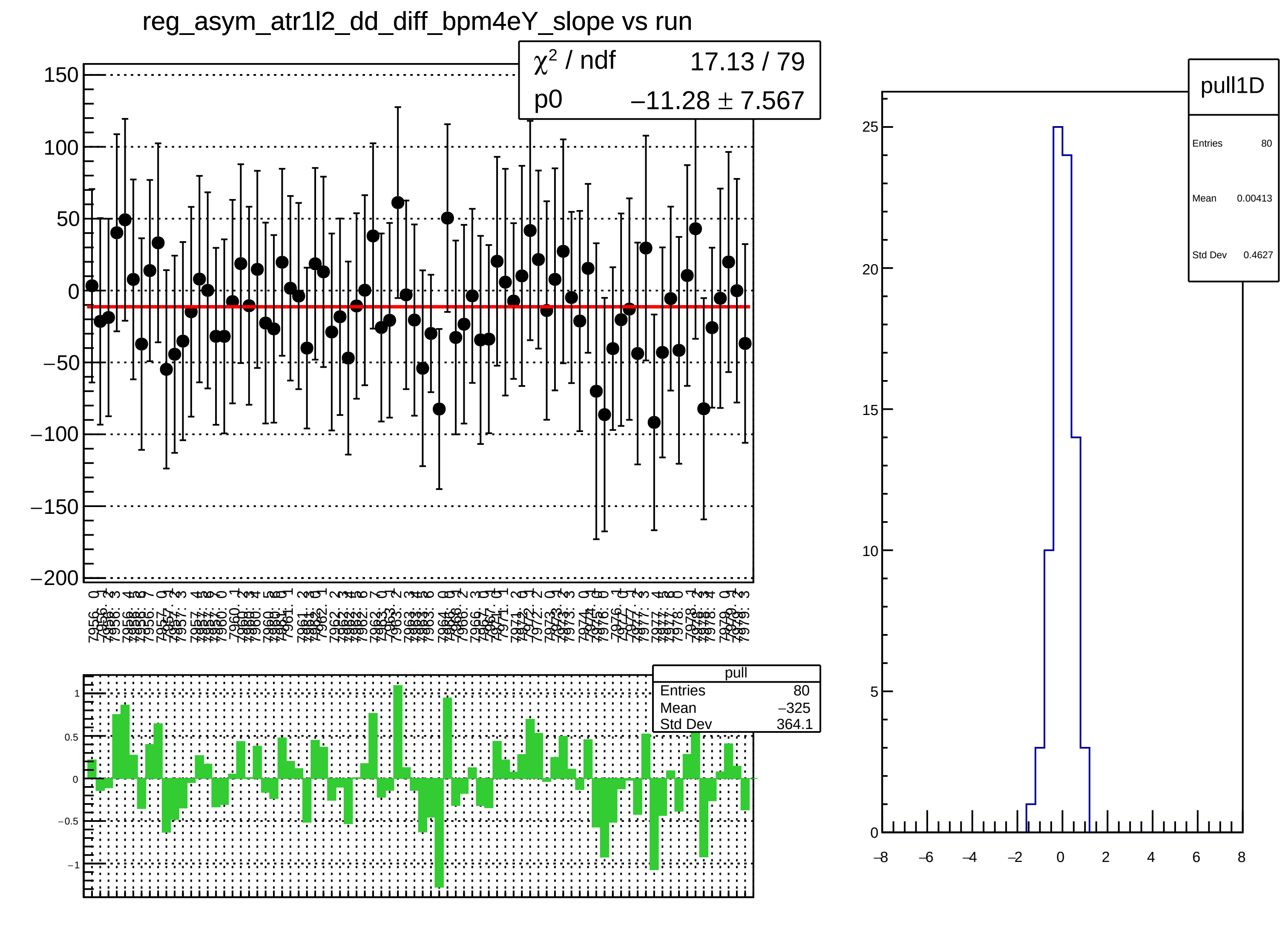


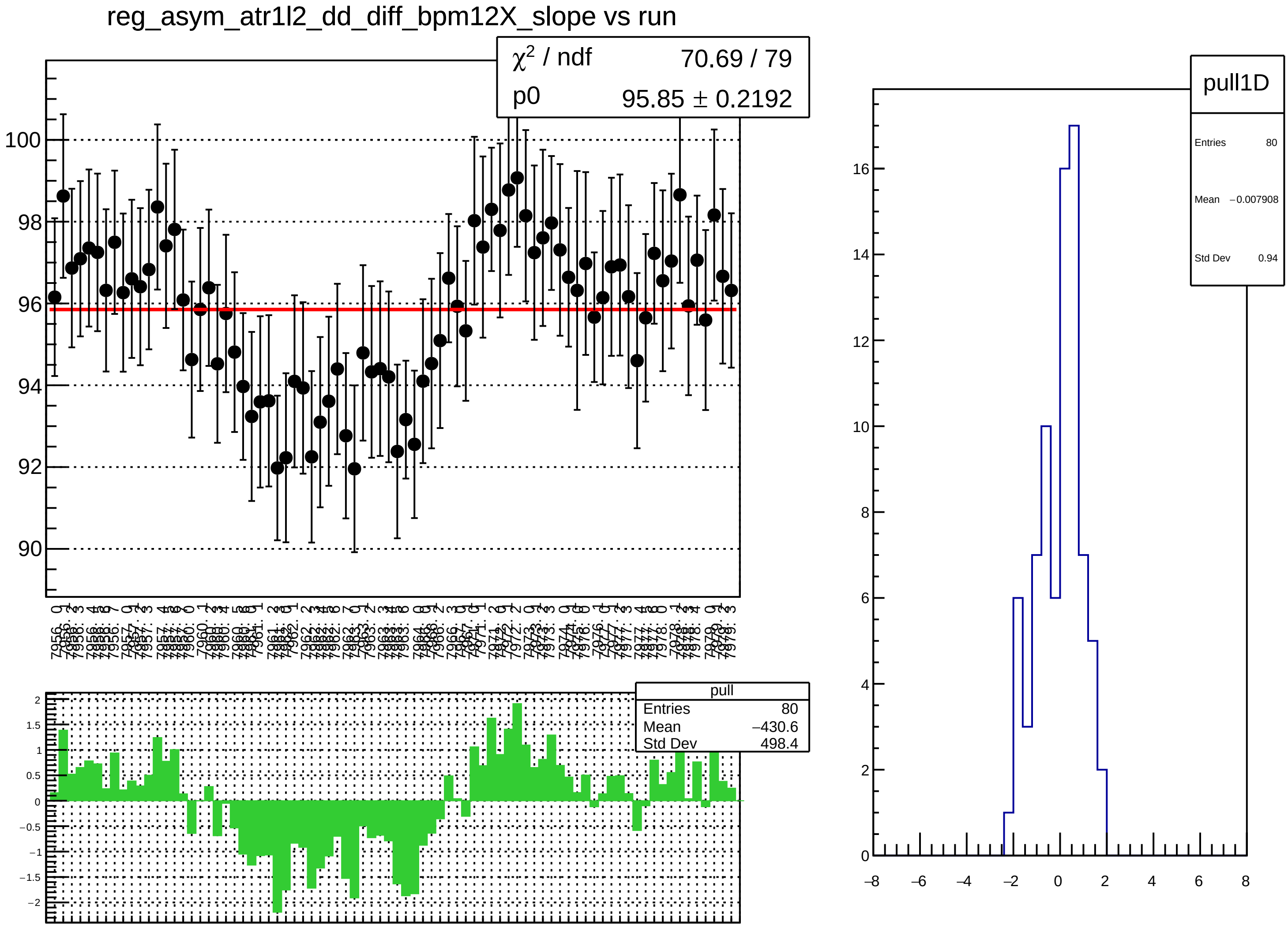
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 18.64 / 79
p0 80.21 ± 6.389
pull
Entries 80
Mean −6.566
Std Dev 21.91
pull1D
Entries 80
Mean 0.01236
Std Dev 0.4826


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 17.44 / 79
p0 −33.05 ± 6.606
100
50
0
−50
−100
−150
pull
Entries 80
Mean −60.34
Std Dev 82.85
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.006721
Std Dev 0.4668
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

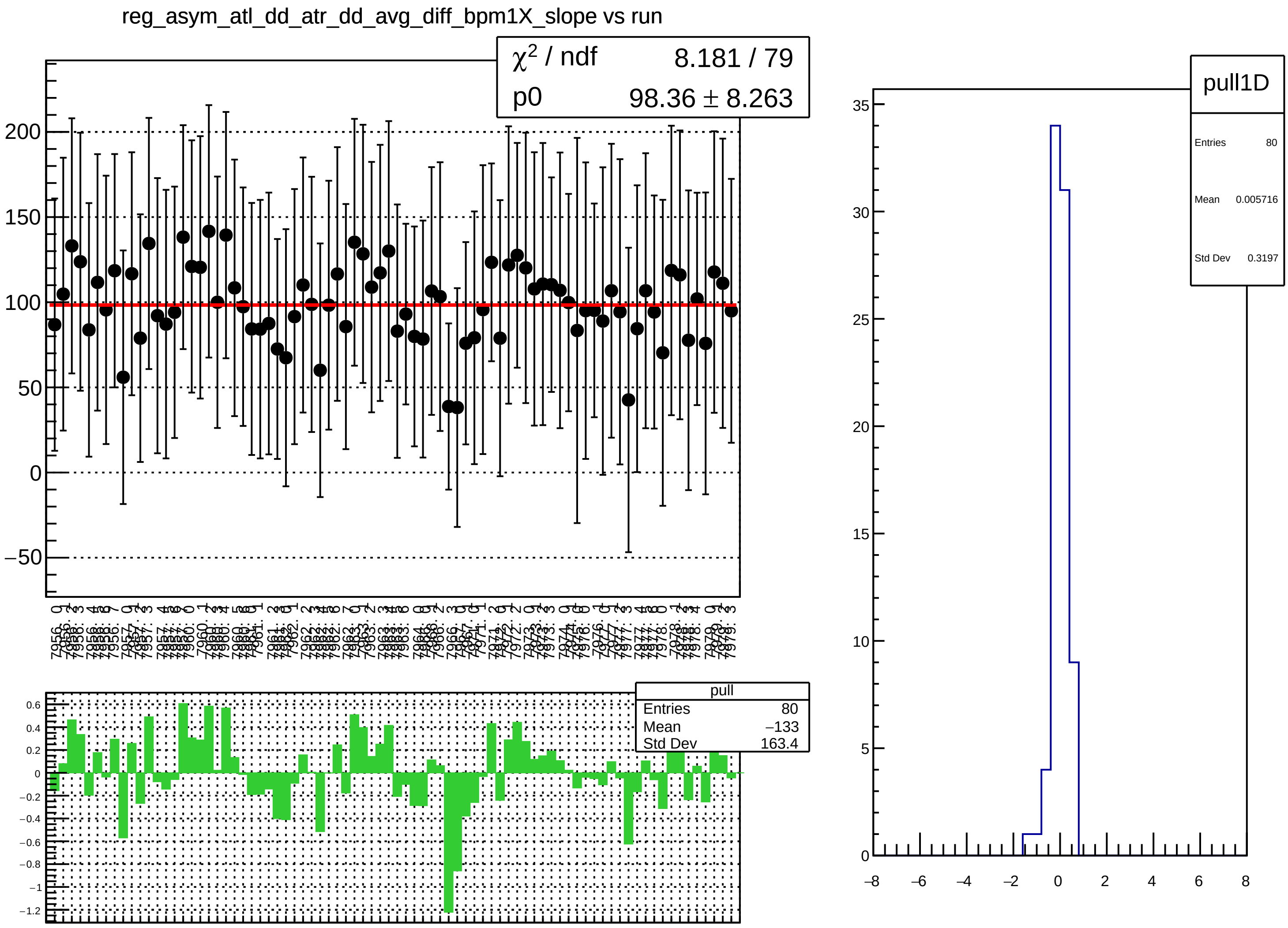


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 18.85 / 79
p0 −66.75 ± 5.643
pull
Entries 80
Mean 30.89
Std Dev 52.45
pull1D
Entries 80
Mean −0.01369
Std Dev 0.4852

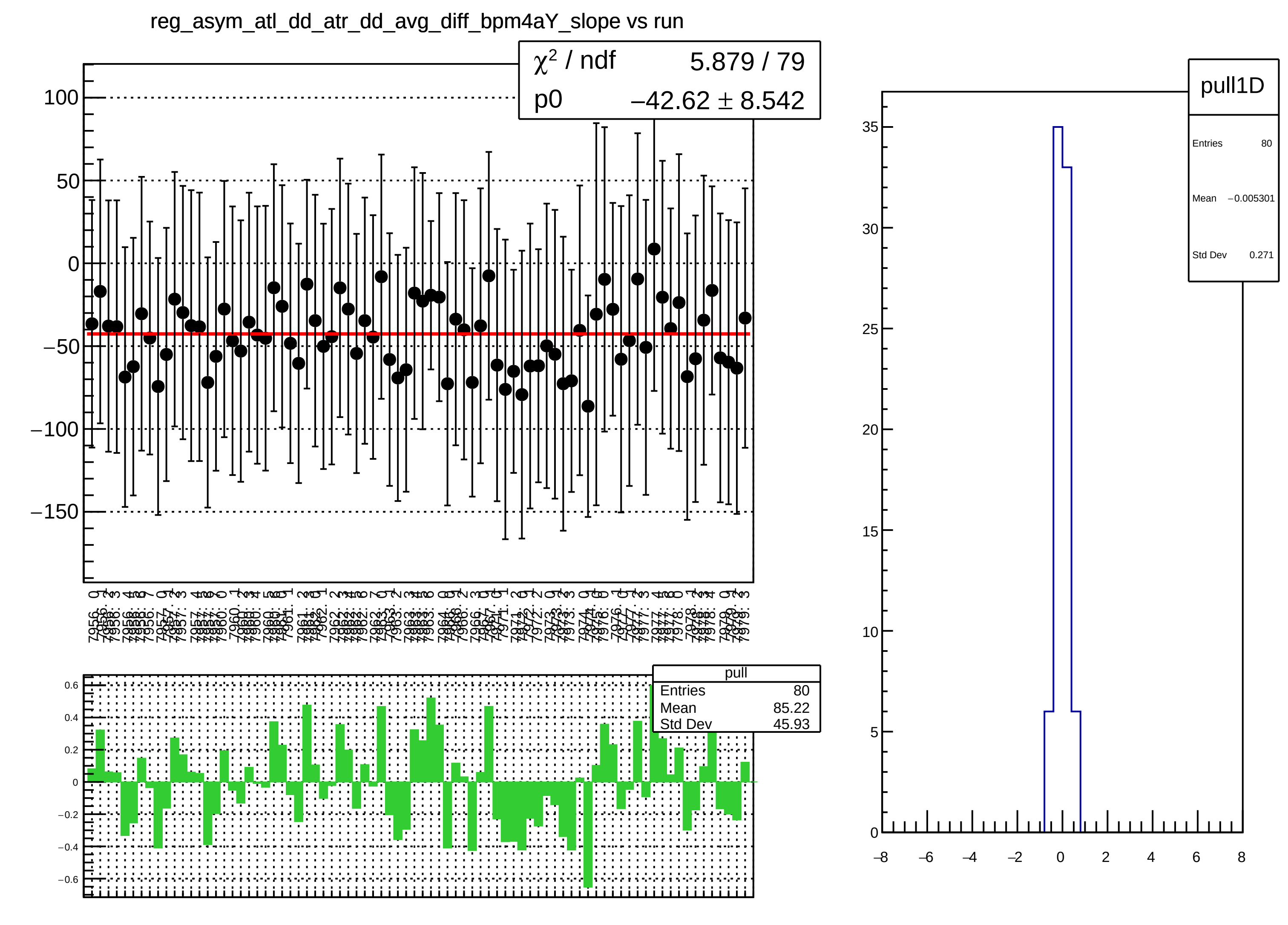

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 17.13 / 79
p0 −11.28 ± 7.567
pull
Entries 80
Mean −325
Std Dev 364.1
pull1D
Entries 80
Mean 0.00413
Std Dev 0.4627



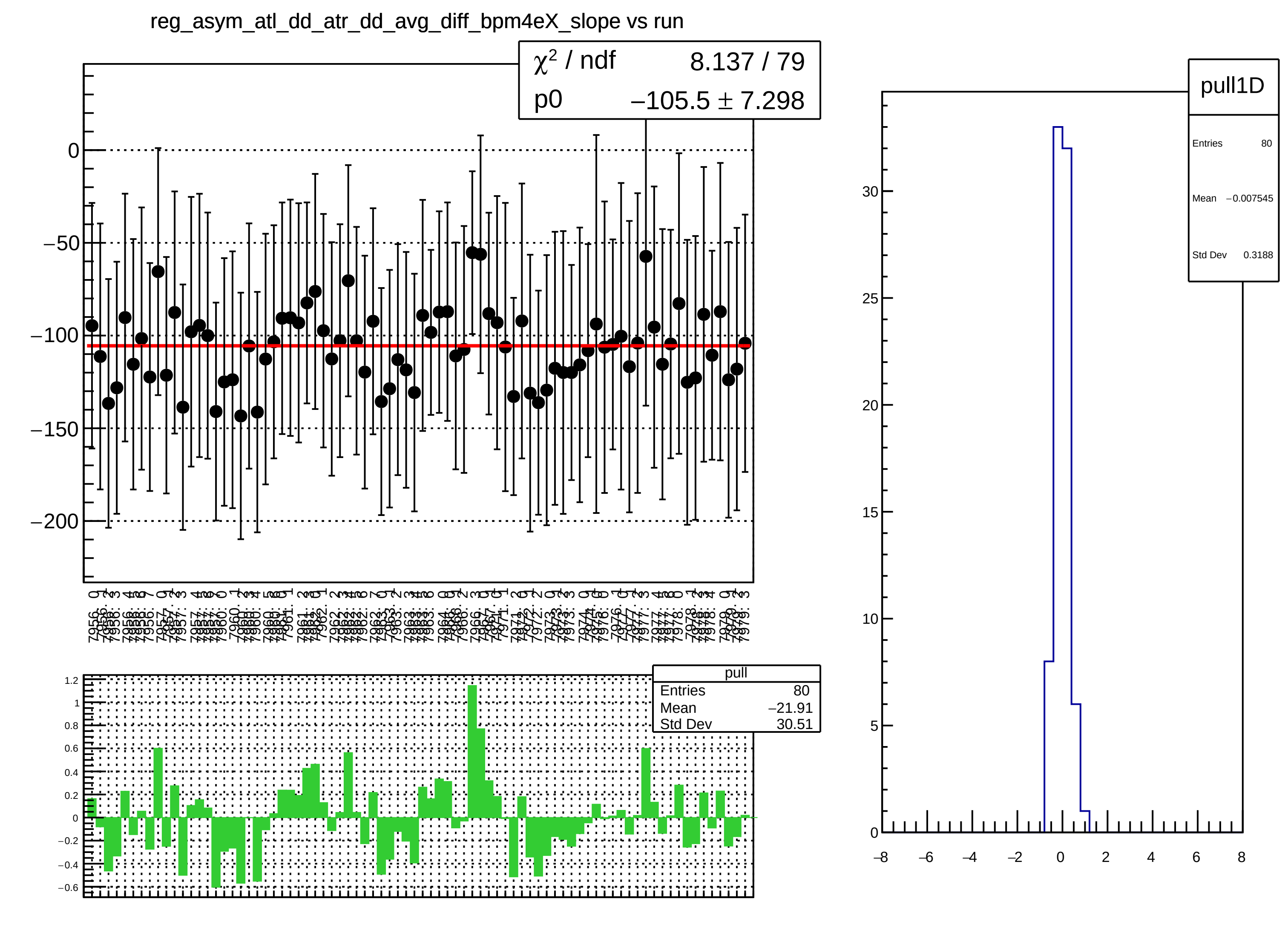
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 70.69 / 79
p0 95.85 ± 0.2192
pull
Entries 80
Mean −430.6
Std Dev 498.4
pull1D
Entries 80
Mean −0.007908
Std Dev 0.94



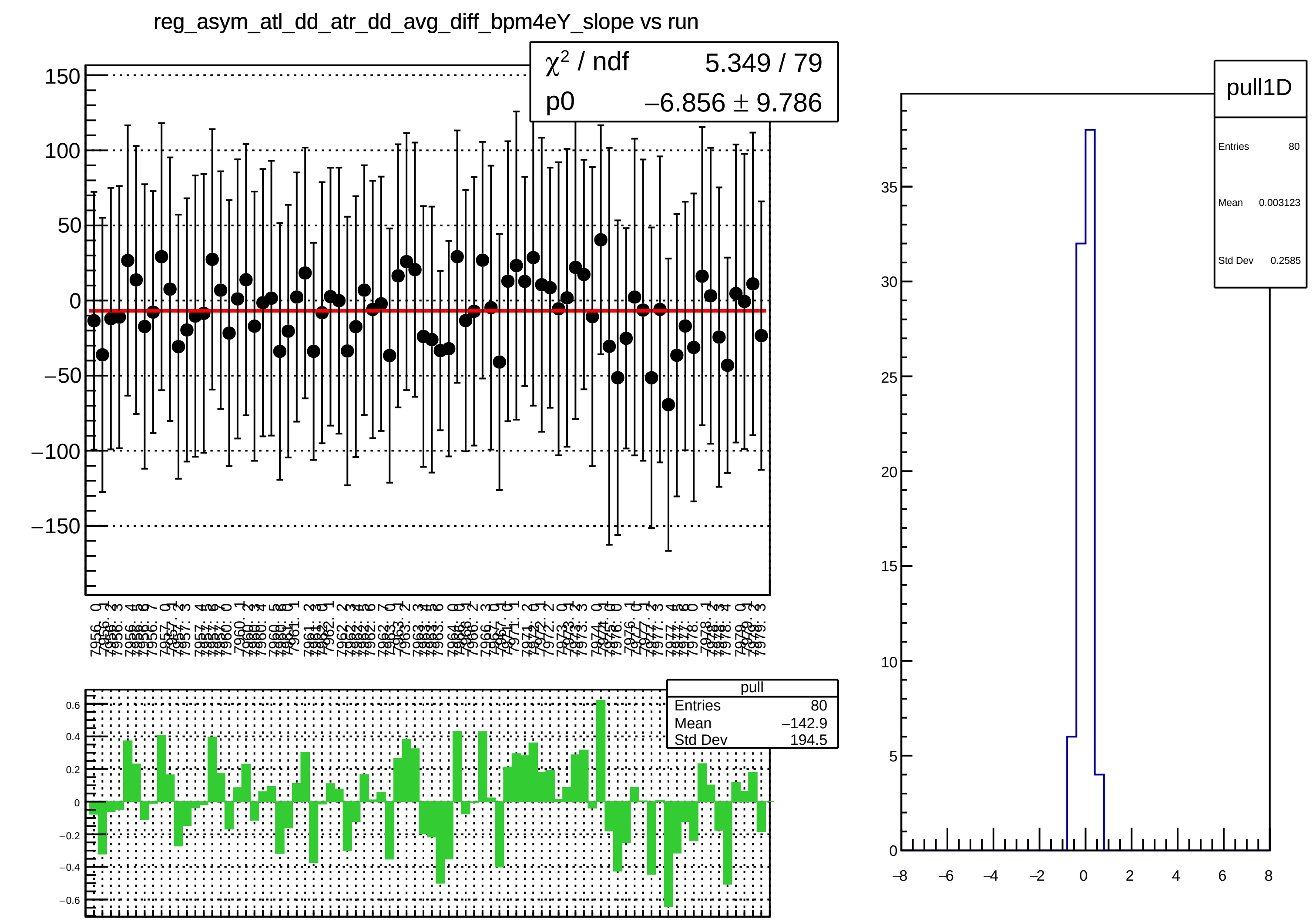
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.181 / 79
p0 98.36 ± 8.263
pull
Entries 80
Mean −133
Std Dev 163.4
pull1D
Entries 80
Mean 0.005716
Std Dev 0.3197

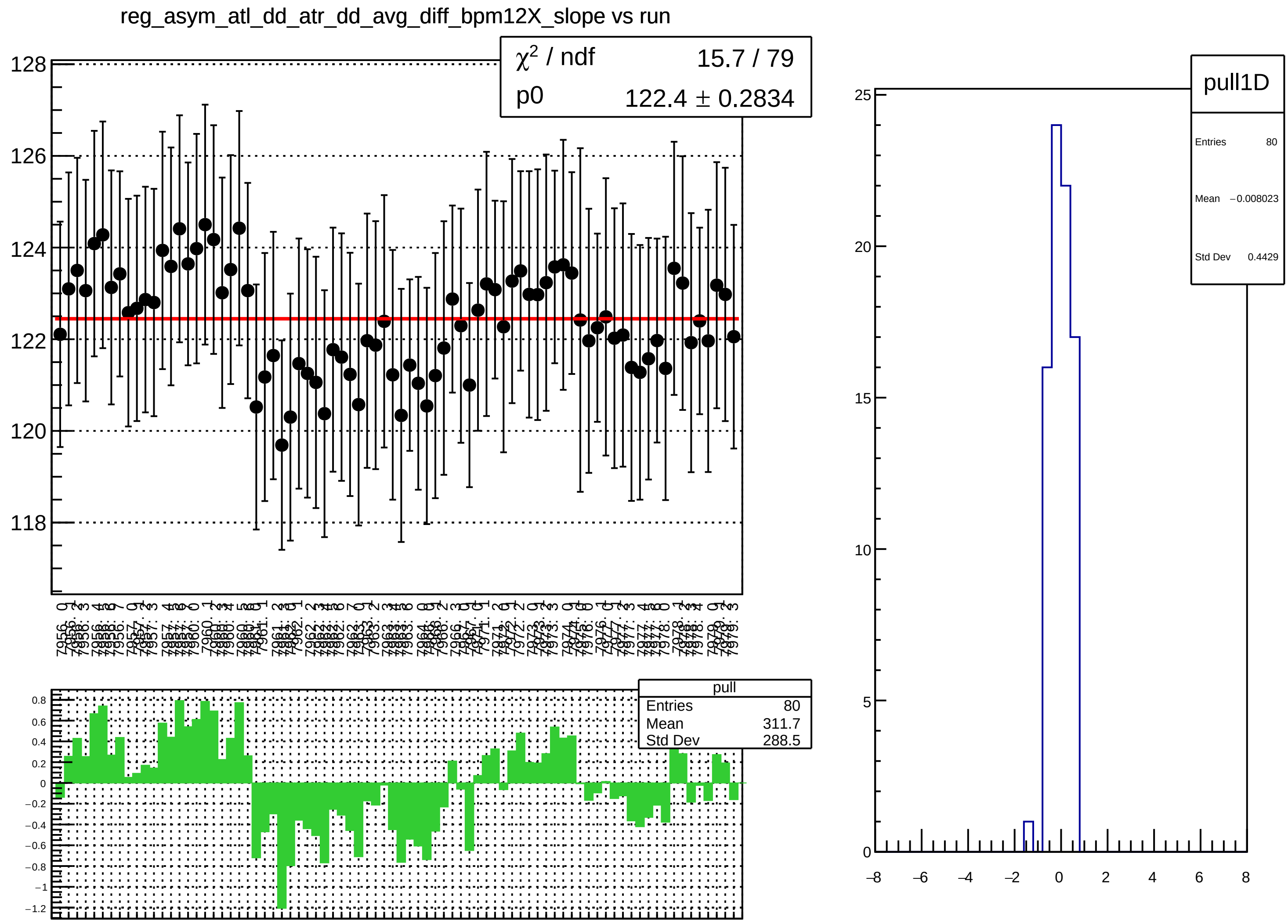


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.879 / 79
p0 −42.62 ± 8.542
pull
Entries 80
Mean 85.22
Std Dev 45.93
pull1D
Entries 80
Mean −0.005301
Std Dev 0.271



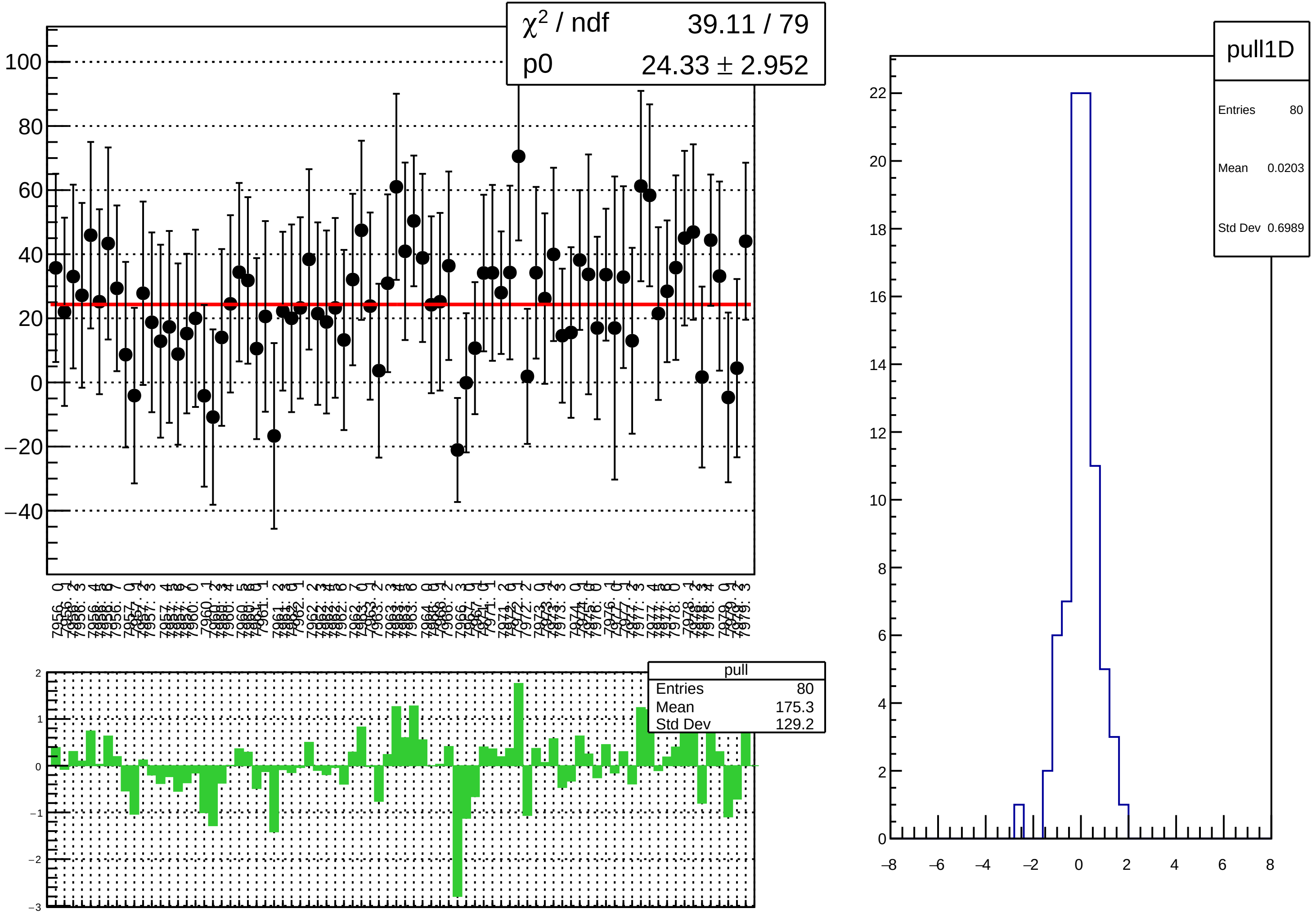
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ2 / ndf 8.137 / 79
p0 −105.5 ± 7.298
pull
Entries 80
Mean −21.91
Std Dev 30.51
pull1D
Entries 80
Mean −0.007545
Std Dev 0.3188

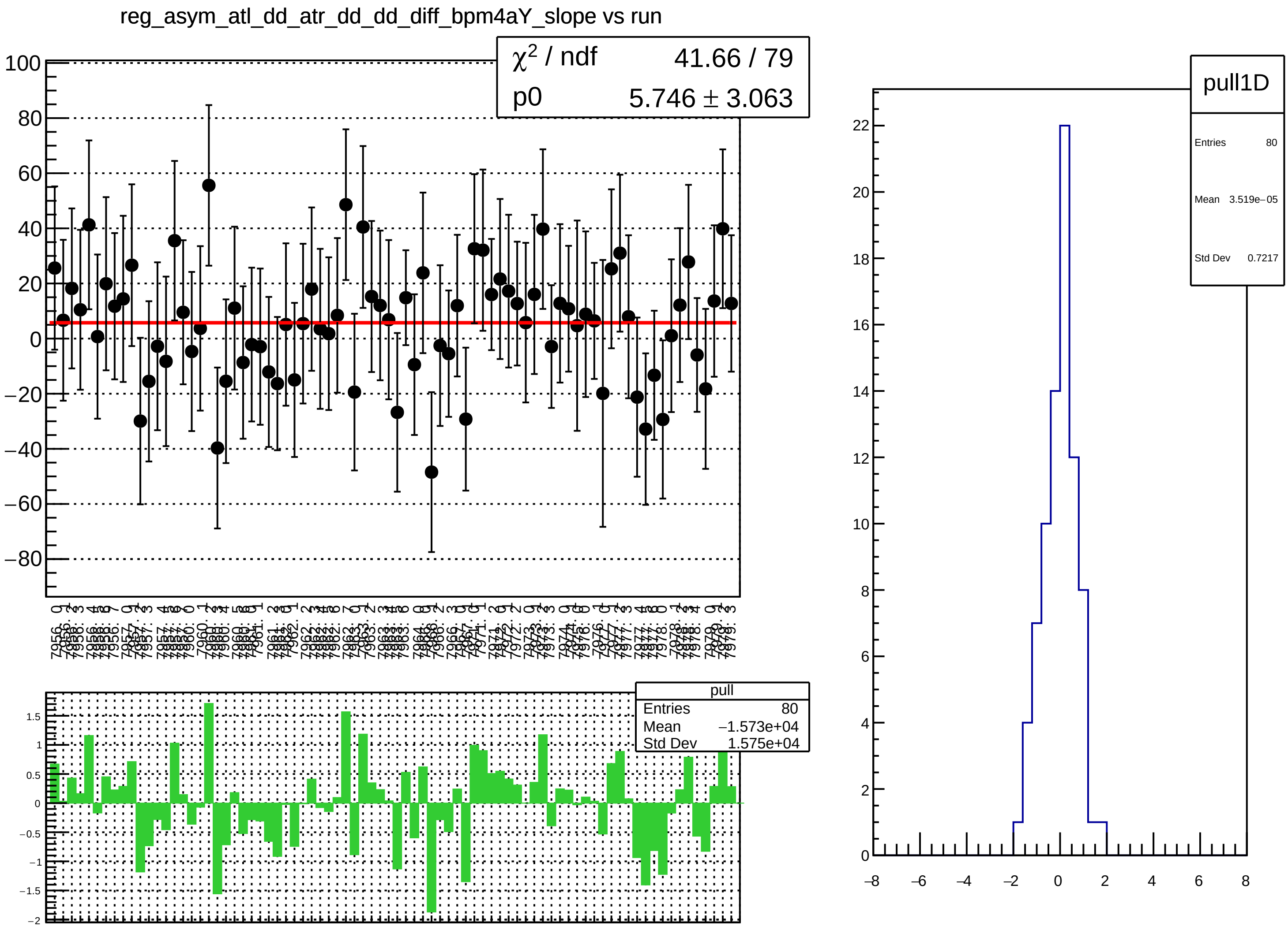

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.349 / 79
p0 −6.856 ± 9.786
pull
Entries 80
Mean −142.9
Std Dev 194.5
pull1D
Entries 80
Mean 0.003123
Std Dev 0.2585



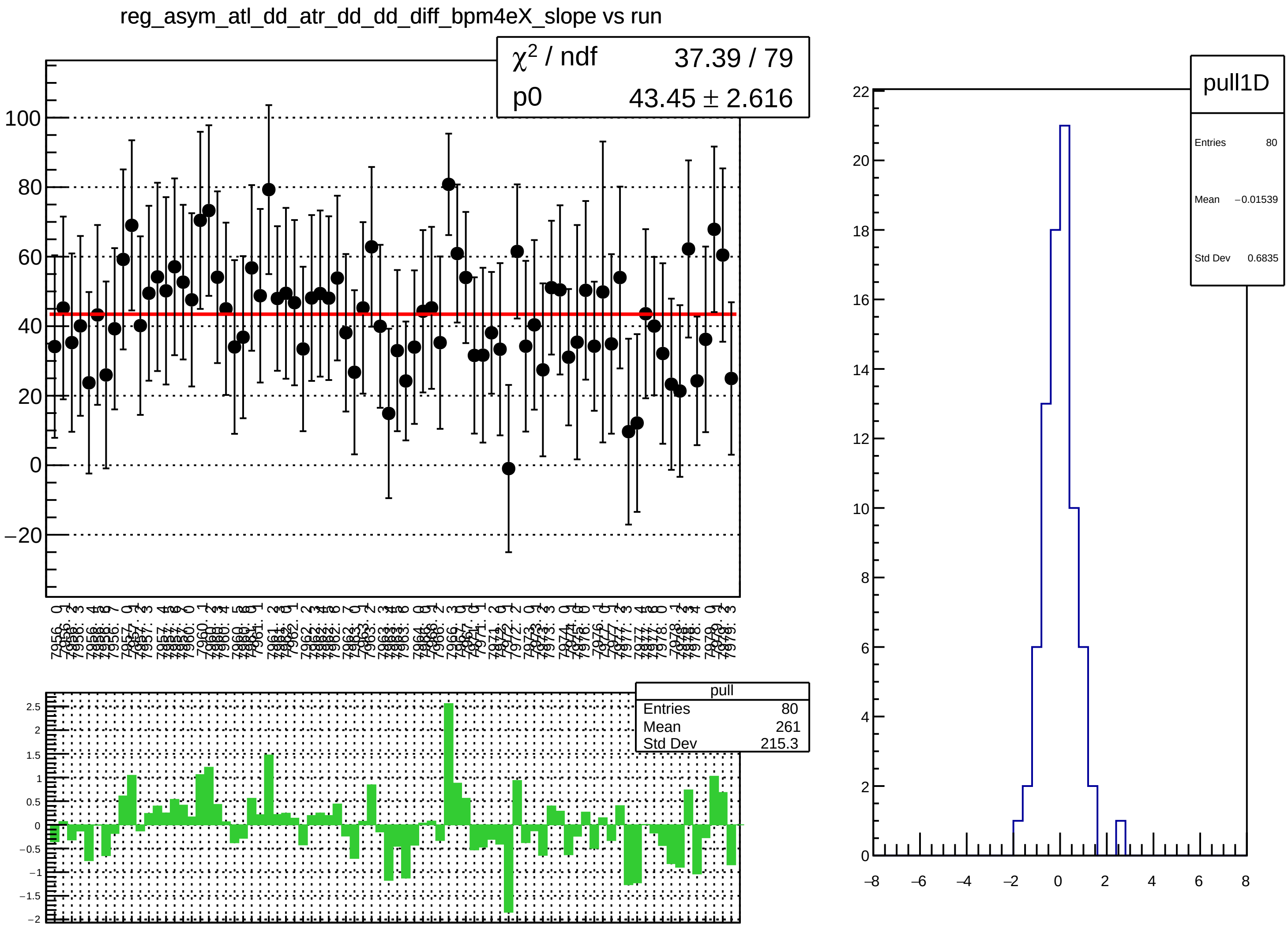
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 15.7 / 79
p0 122.4 ± 0.2834
pull
Entries 80
Mean 311.7
Std Dev 288.5
pull1D
Entries 80
Mean −0.008023
Std Dev 0.4429

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run



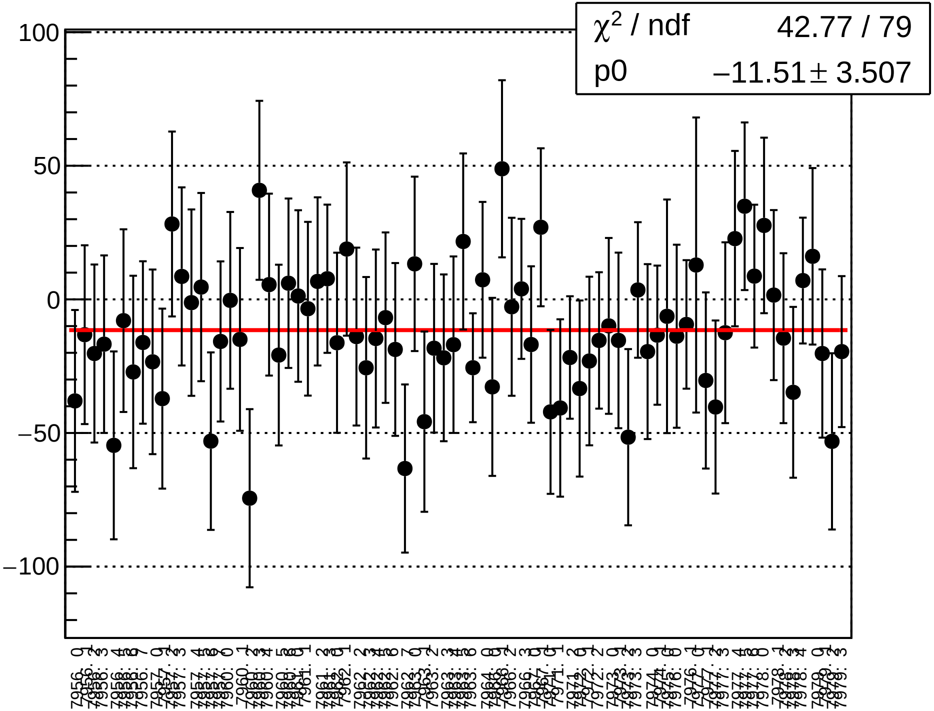


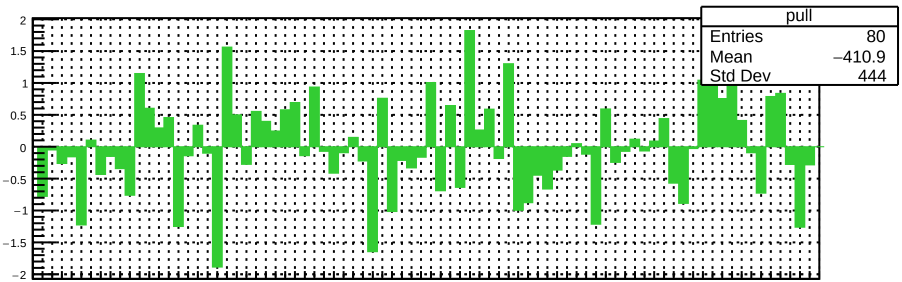
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 41.66 / 79
p0 5.746 ± 3.063
pull
Entries 80
Mean −1.573e+04
Std Dev 1.575e+04
pull1D
Entries 80
Mean 3.519e−05
Std Dev 0.7217

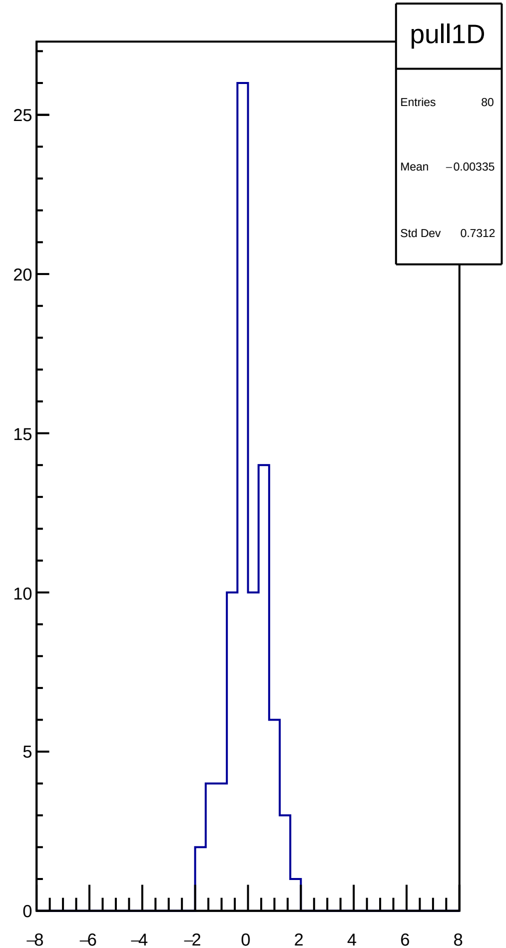


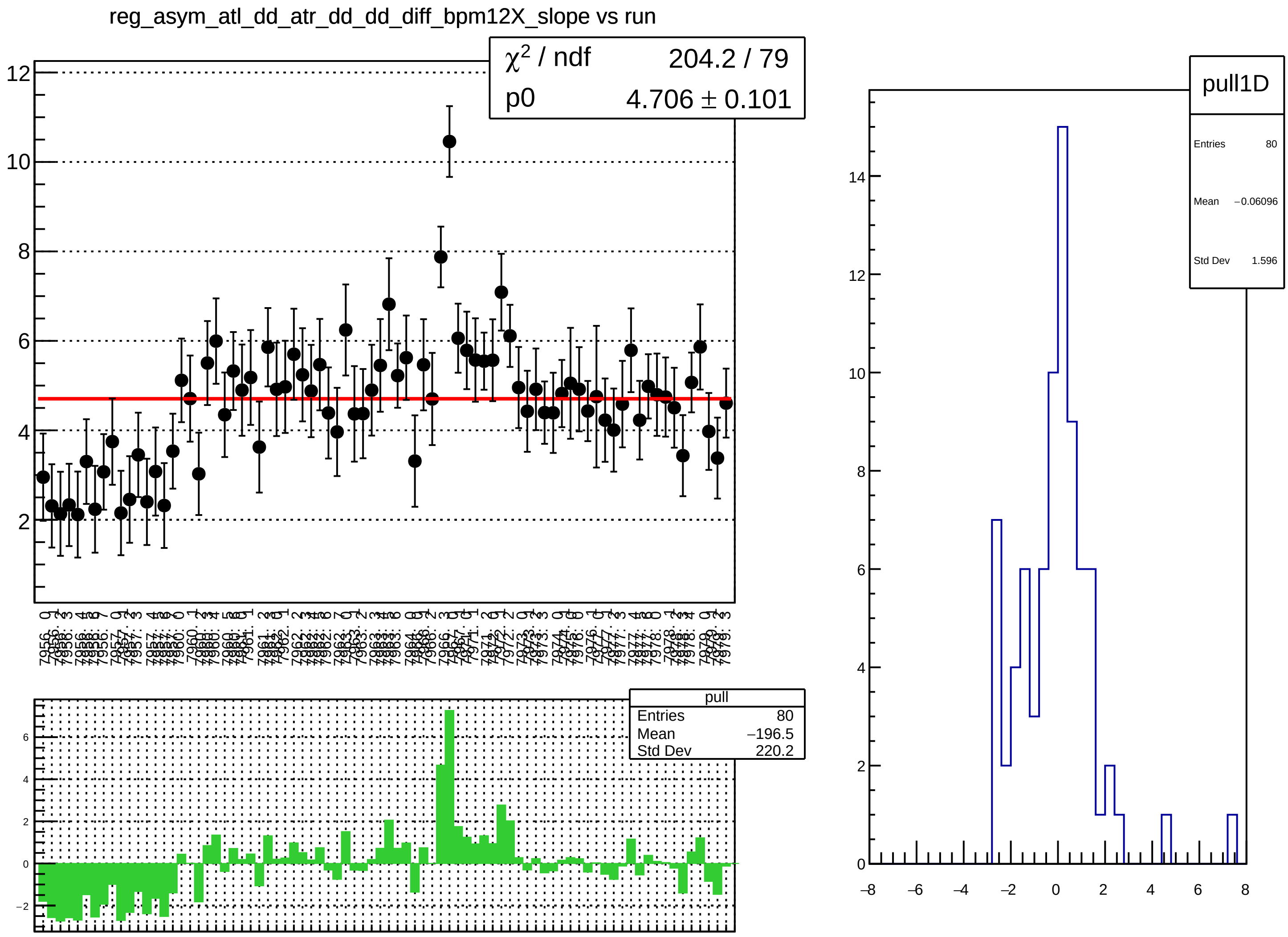
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 37.39 / 79
p0 43.45 ± 2.616
pull
Entries 80
Mean 261
Std Dev 215.3
pull1D
Entries 80
Mean −0.01539
Std Dev 0.6835

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run

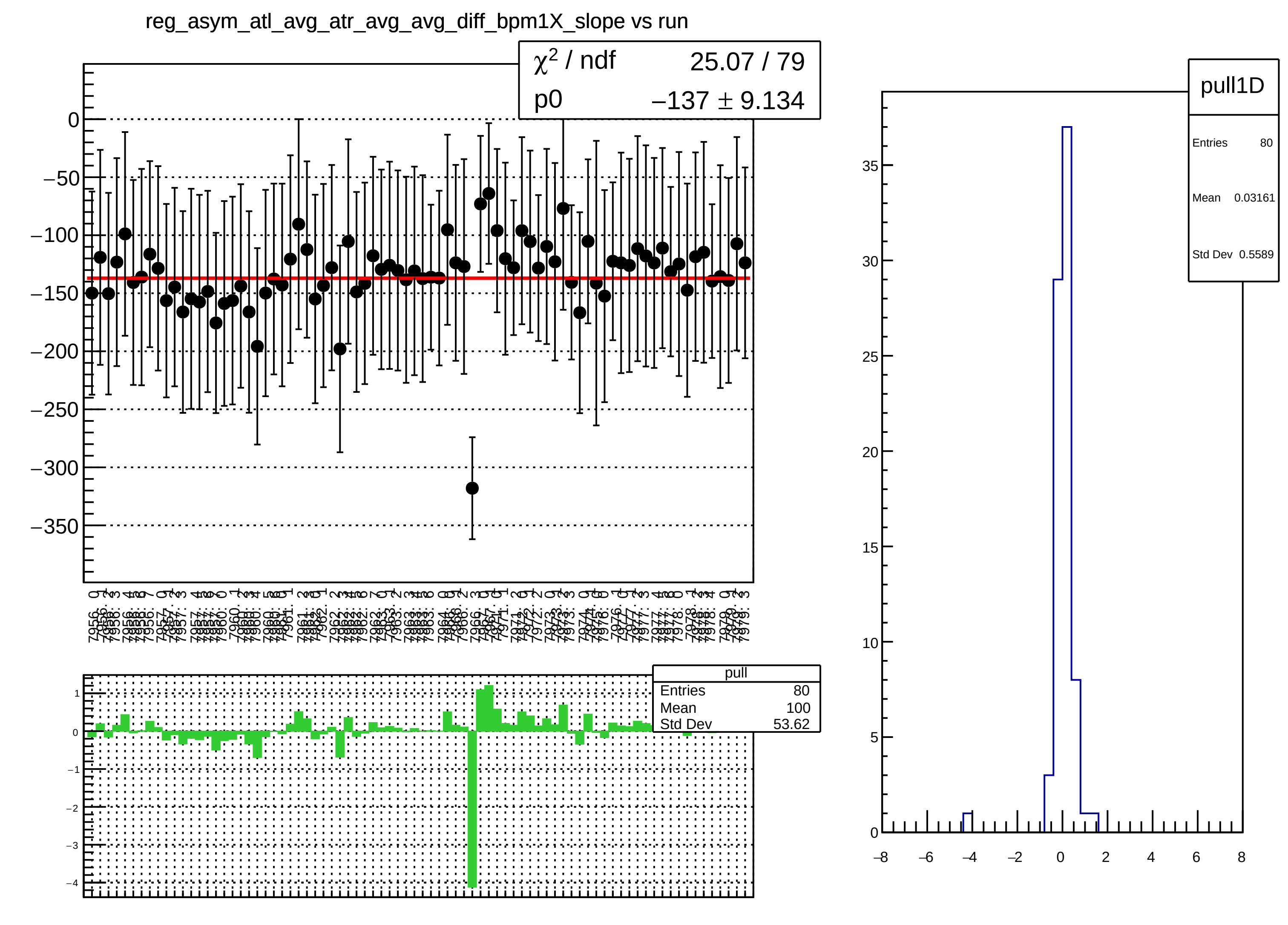




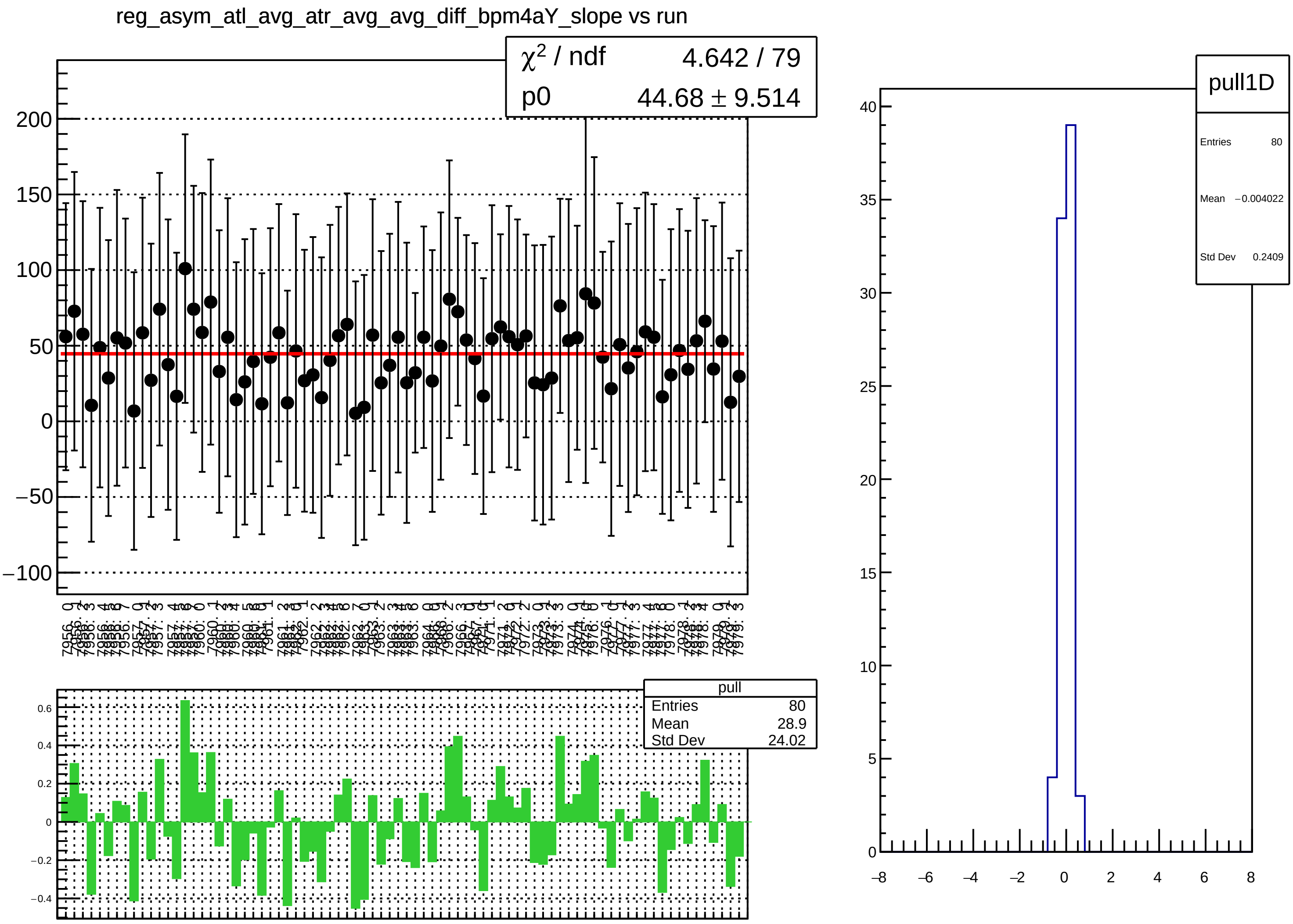


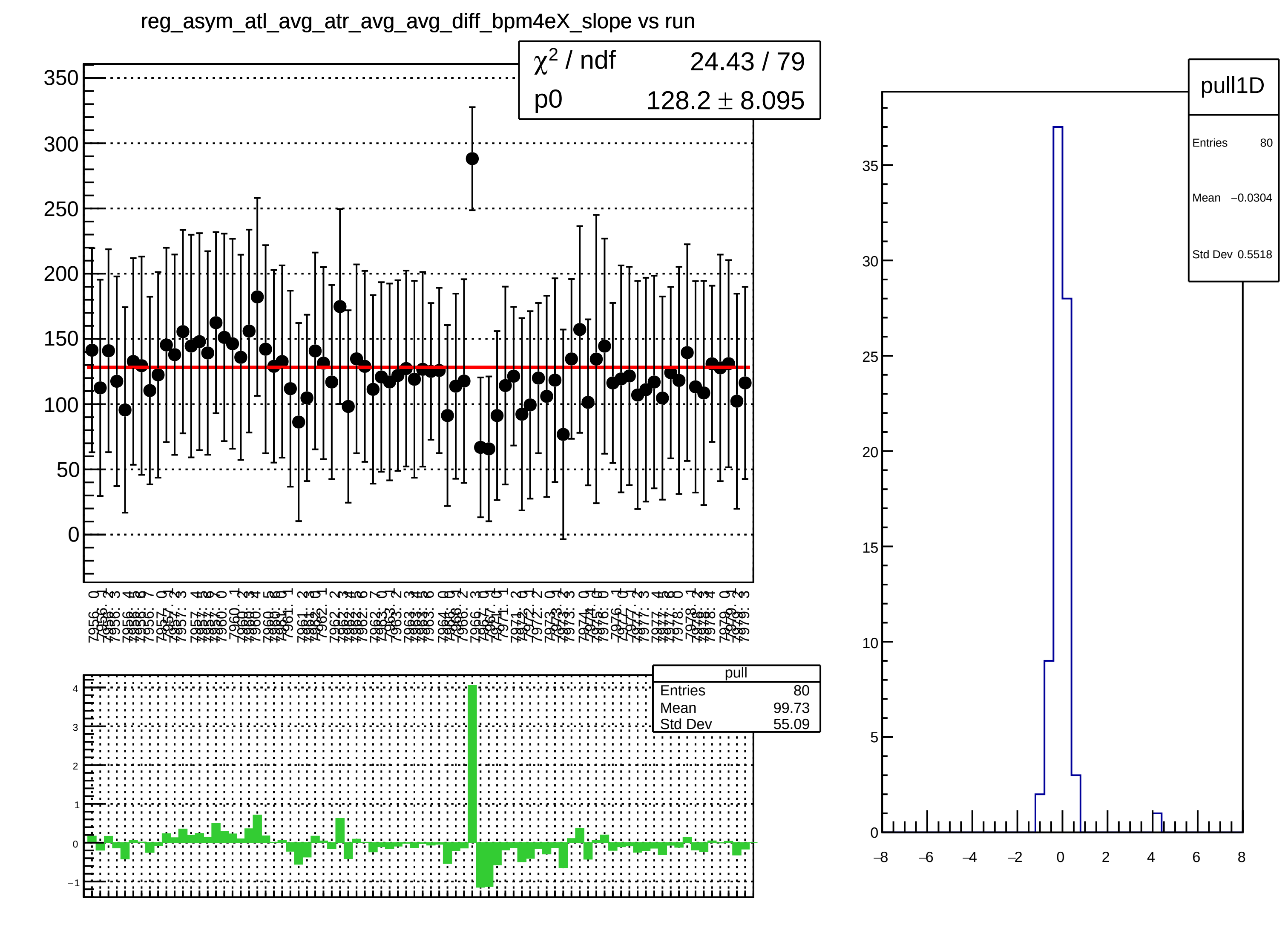


reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 204.2 / 79
p0 4.706 ± 0.101
pull
Entries 80
Mean −196.5
Std Dev 220.2
pull1D
Entries 80
Mean −0.06096
Std Dev 1.596

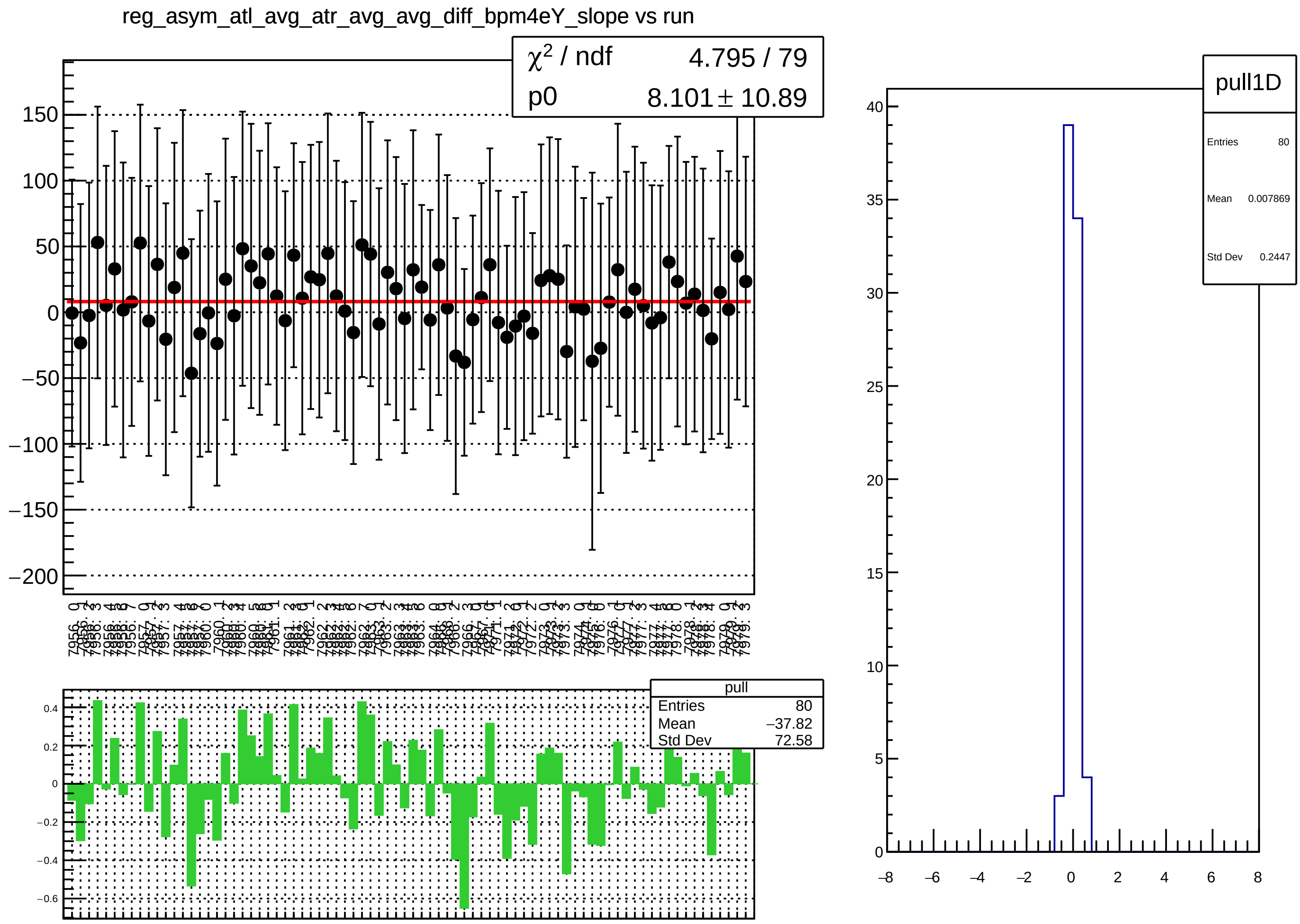


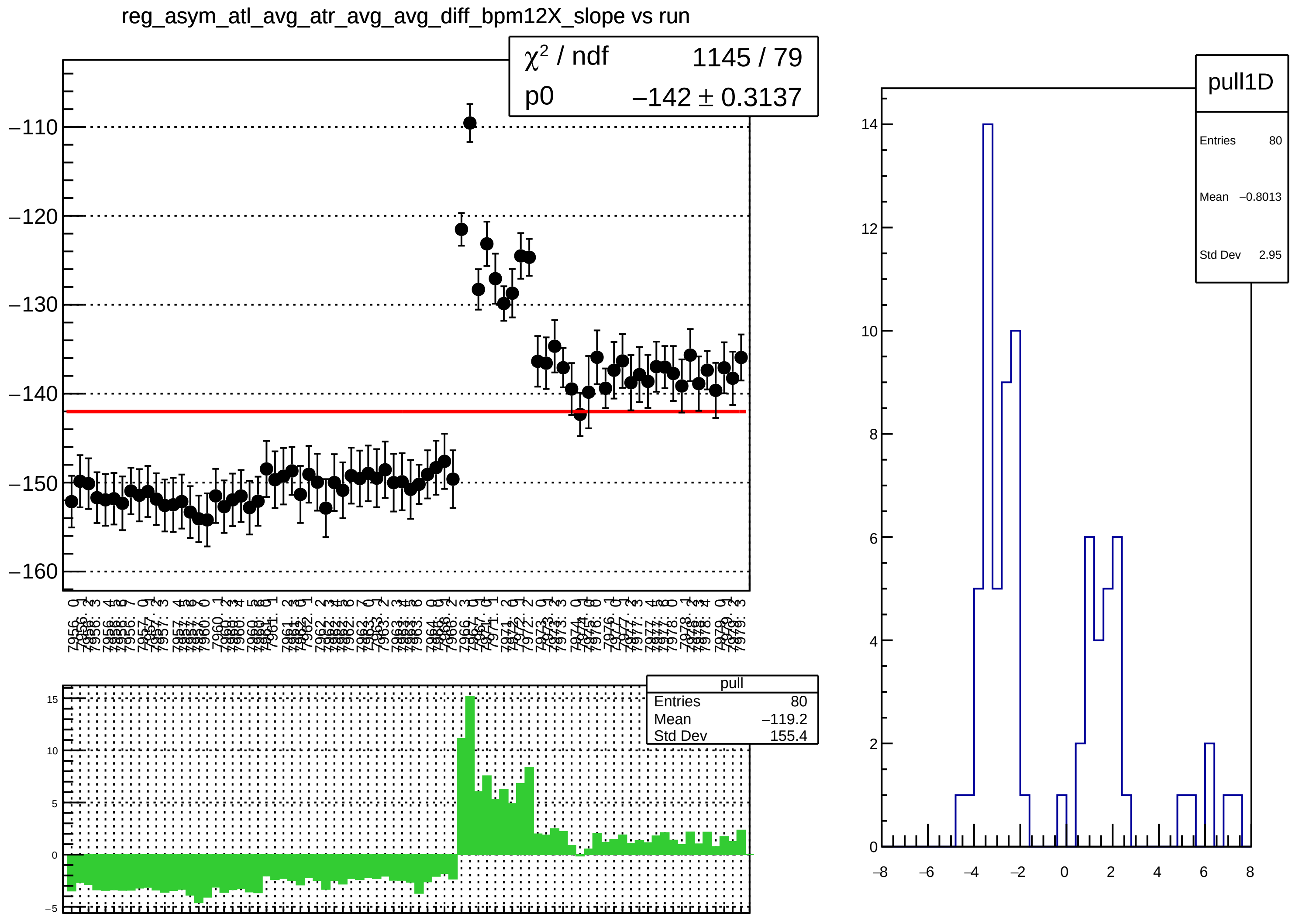
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 25.07 / 79
p0 −137 ± 9.134
pull
Entries 80
Mean 100
Std Dev 53.62
pull1D
Entries 80
Mean 0.03161
Std Dev 0.5589


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / 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

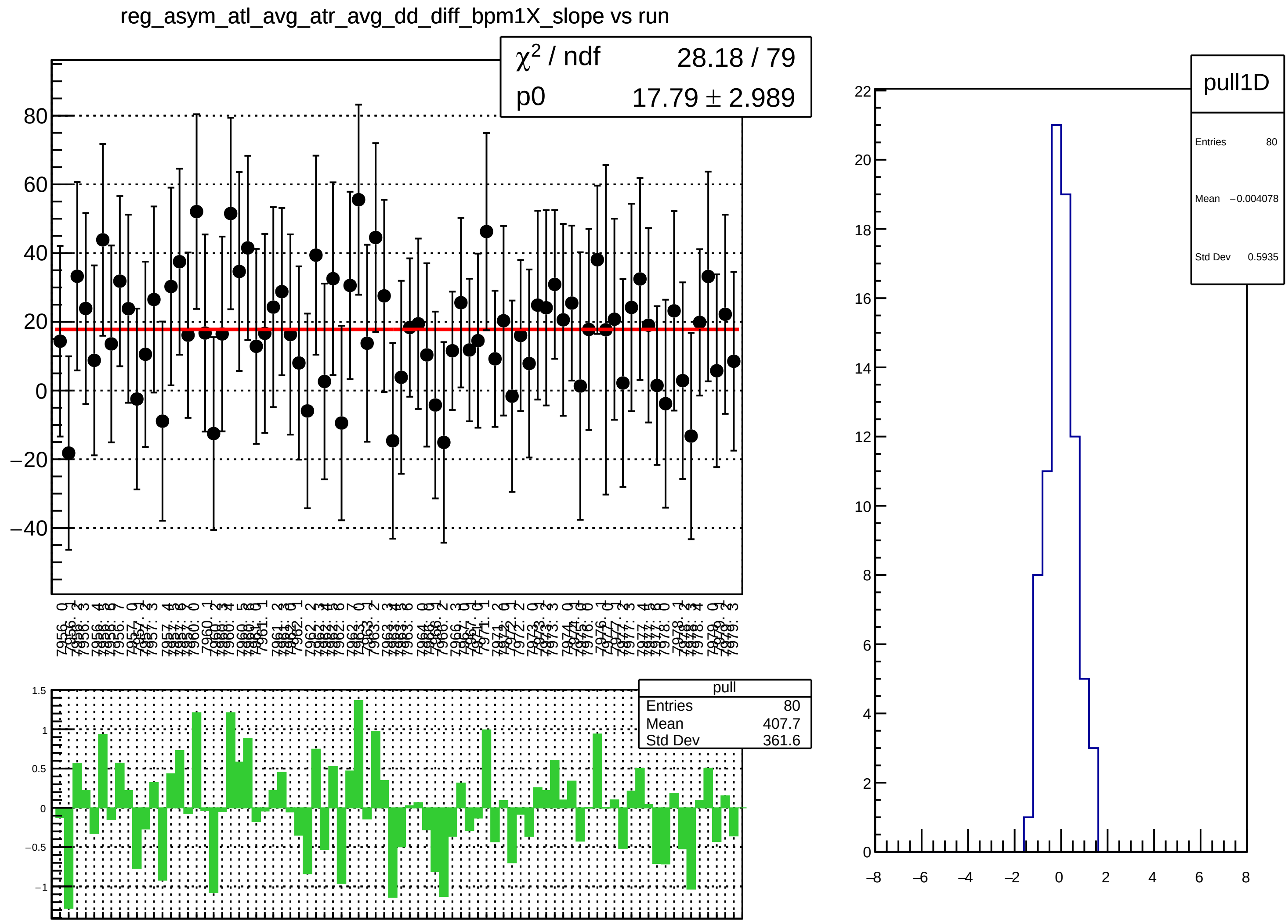


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.43 / 79
p0 128.2 ± 8.095
pull
Entries 80
Mean 99.73
Std Dev 55.09
pull1D
Entries 80
Mean −0.0304
Std Dev 0.5518

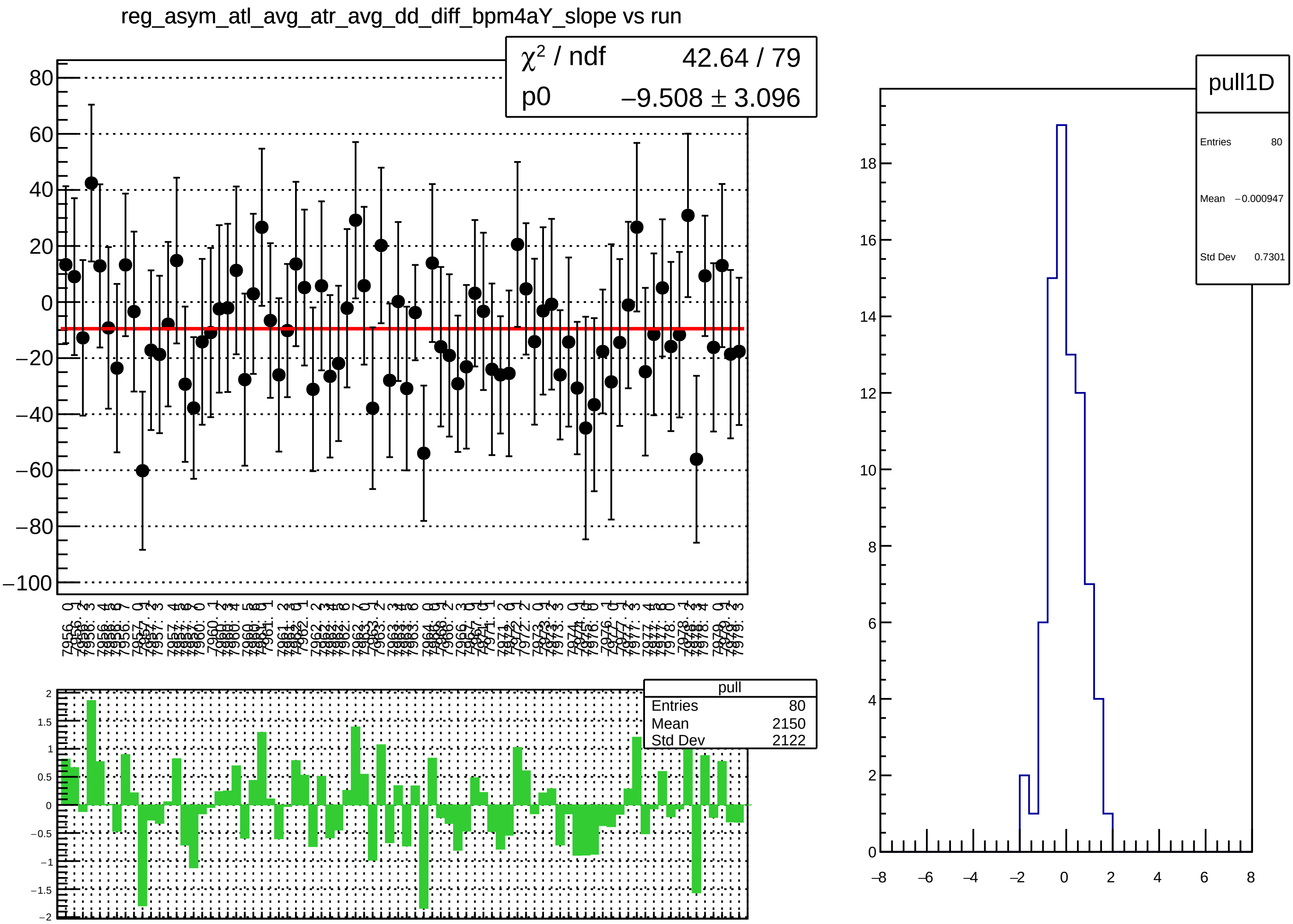

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.795 / 79
p0 8.101 ± 10.89
pull
Entries 80
Mean −37.82
Std Dev 72.58
pull1D
Entries 80
Mean 0.007869
Std Dev 0.2447



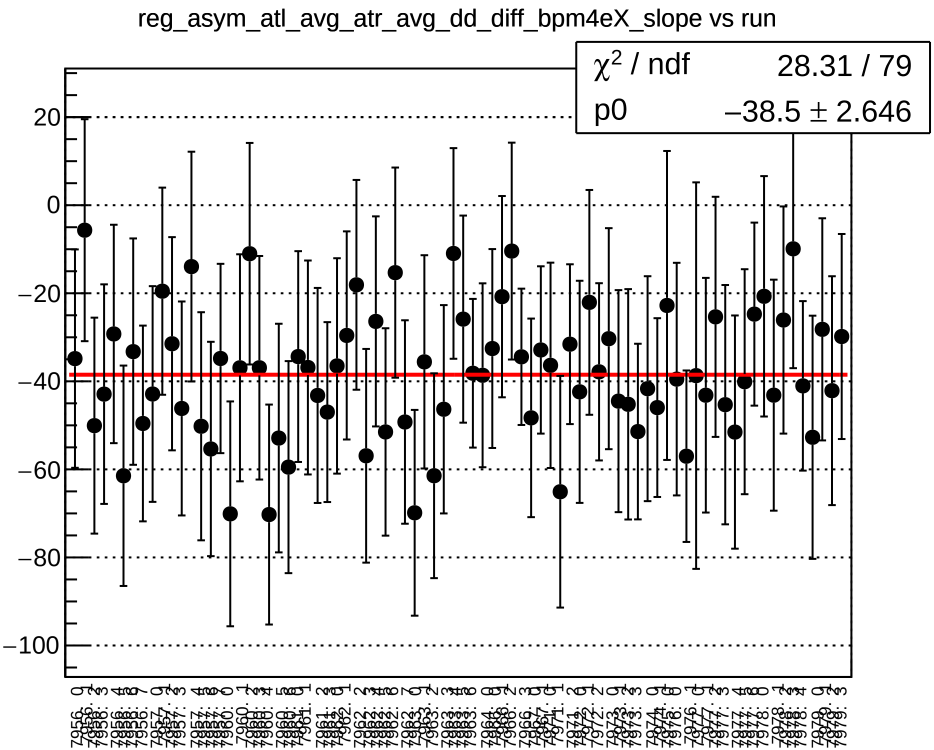
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ2 / ndf 1145 / 79
p0 −142 ± 0.3137
pull
Entries 80
Mean −119.2
Std Dev 155.4
pull1D
Entries 80
Mean −0.8013
Std Dev 2.95

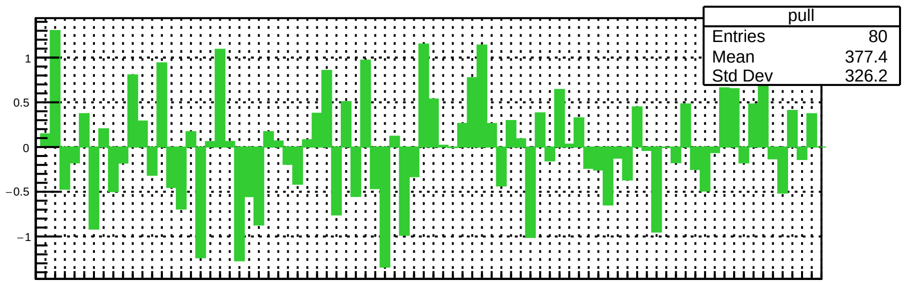


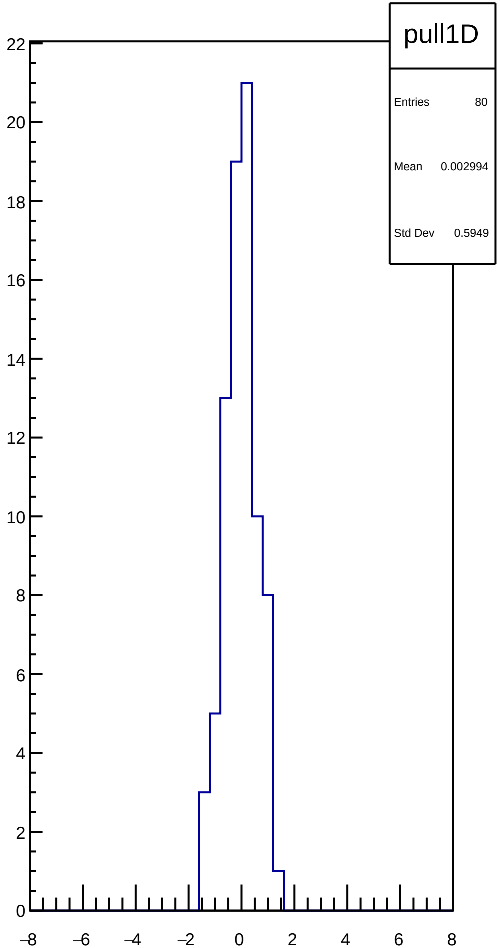
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.18 / 79
p0 17.79 ± 2.989
pull
Entries 80
Mean 407.7
Std Dev 361.6
pull1D
Entries 80
Mean −0.004078
Std Dev 0.5935

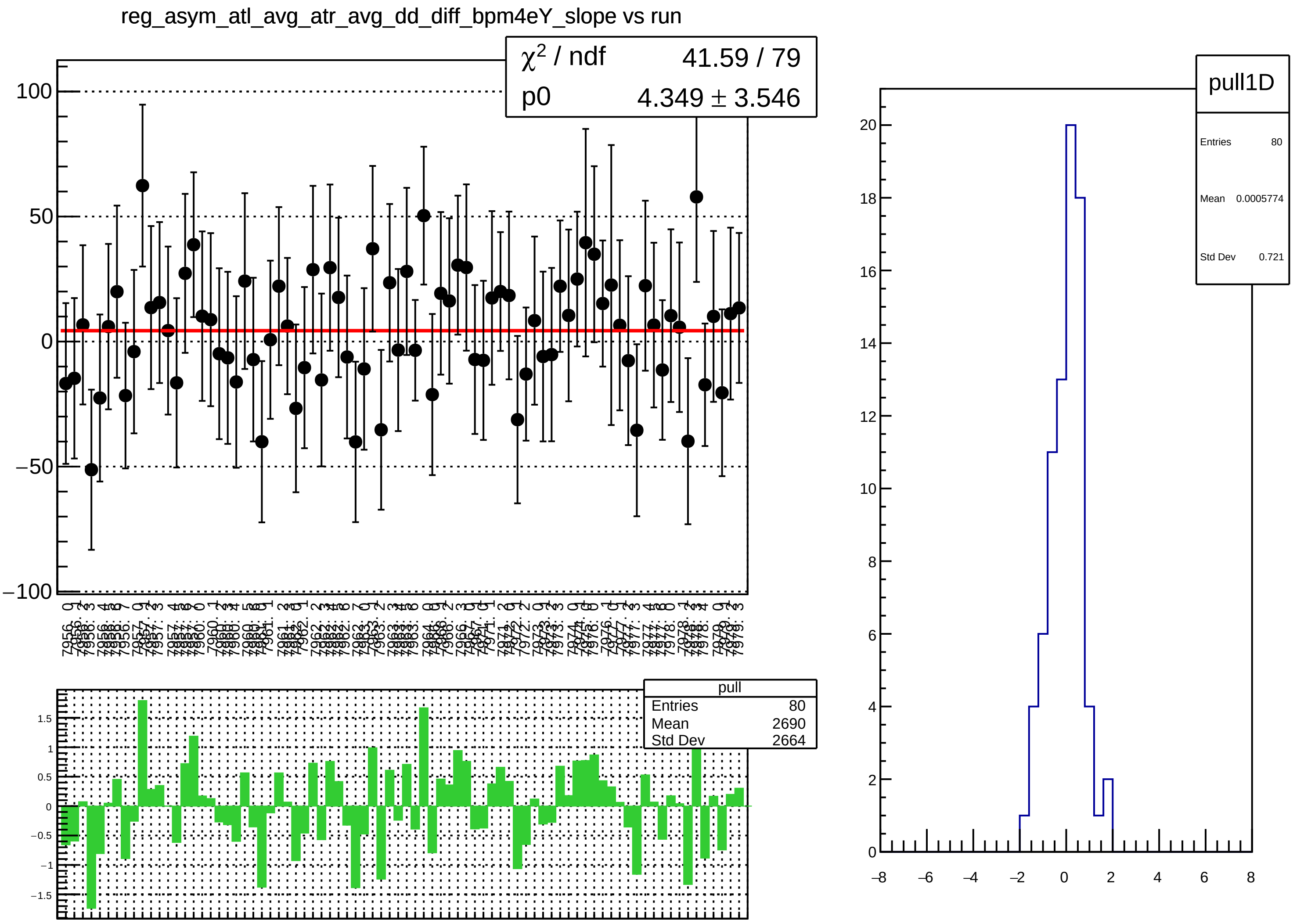


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 42.64 / 79
p0 −9.508 ± 3.096
pull
Entries 80
Mean 2150
Std Dev 2122
pull1D
Entries 80
Mean −0.000947
Std Dev 0.7301

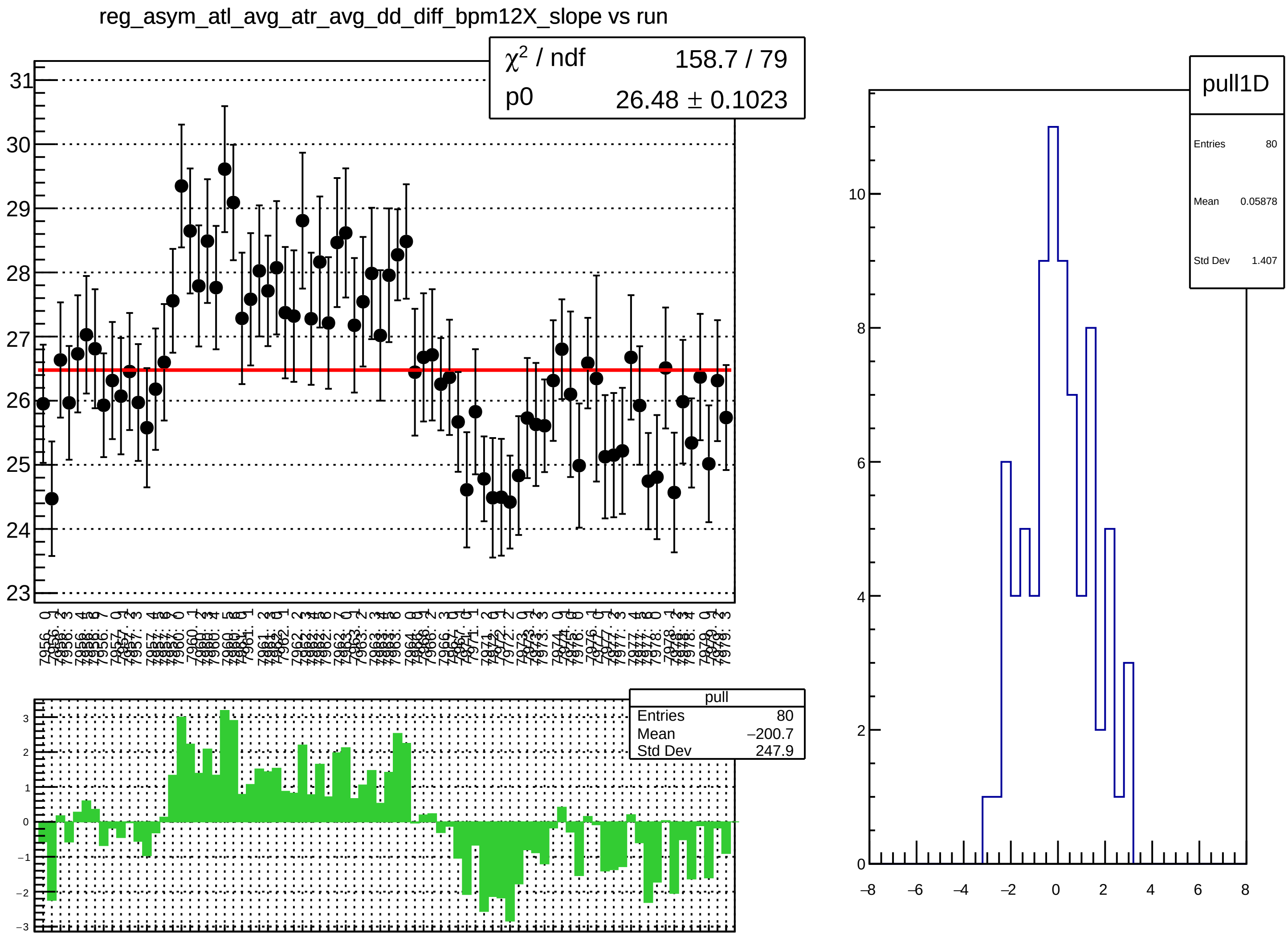

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.31 / 79
p0 −38.5 ± 2.646


pull
Entries 80
Mean 377.4
Std Dev 326.2

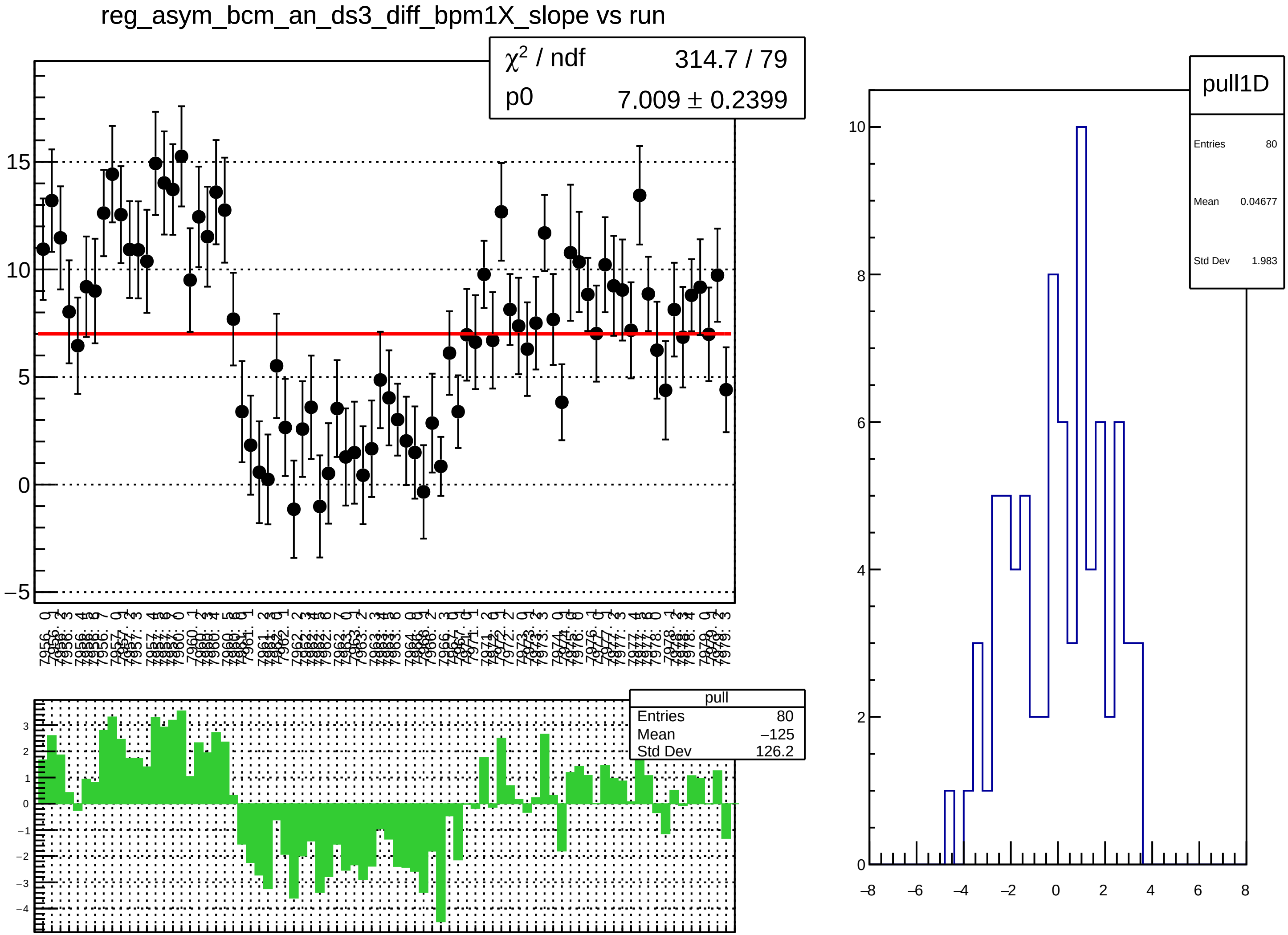

pull1D
Entries 80
Mean 0.002994
Std Dev 0.5949

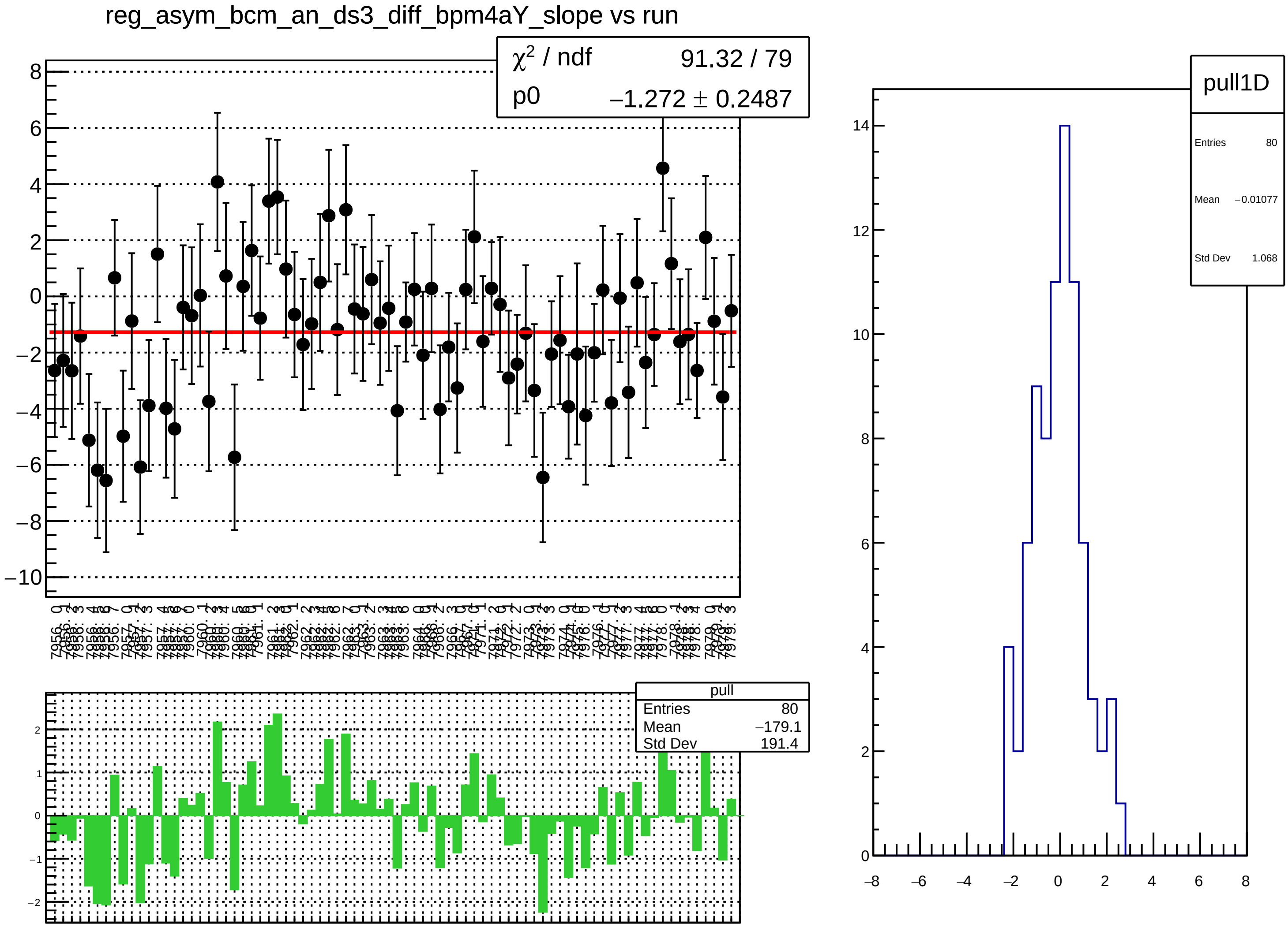


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.59 / 79
p0 4.349 ± 3.546
pull
Entries 80
Mean 2690
Std Dev 2664
pull1D
Entries 80
Mean 0.0005774
Std Dev 0.721

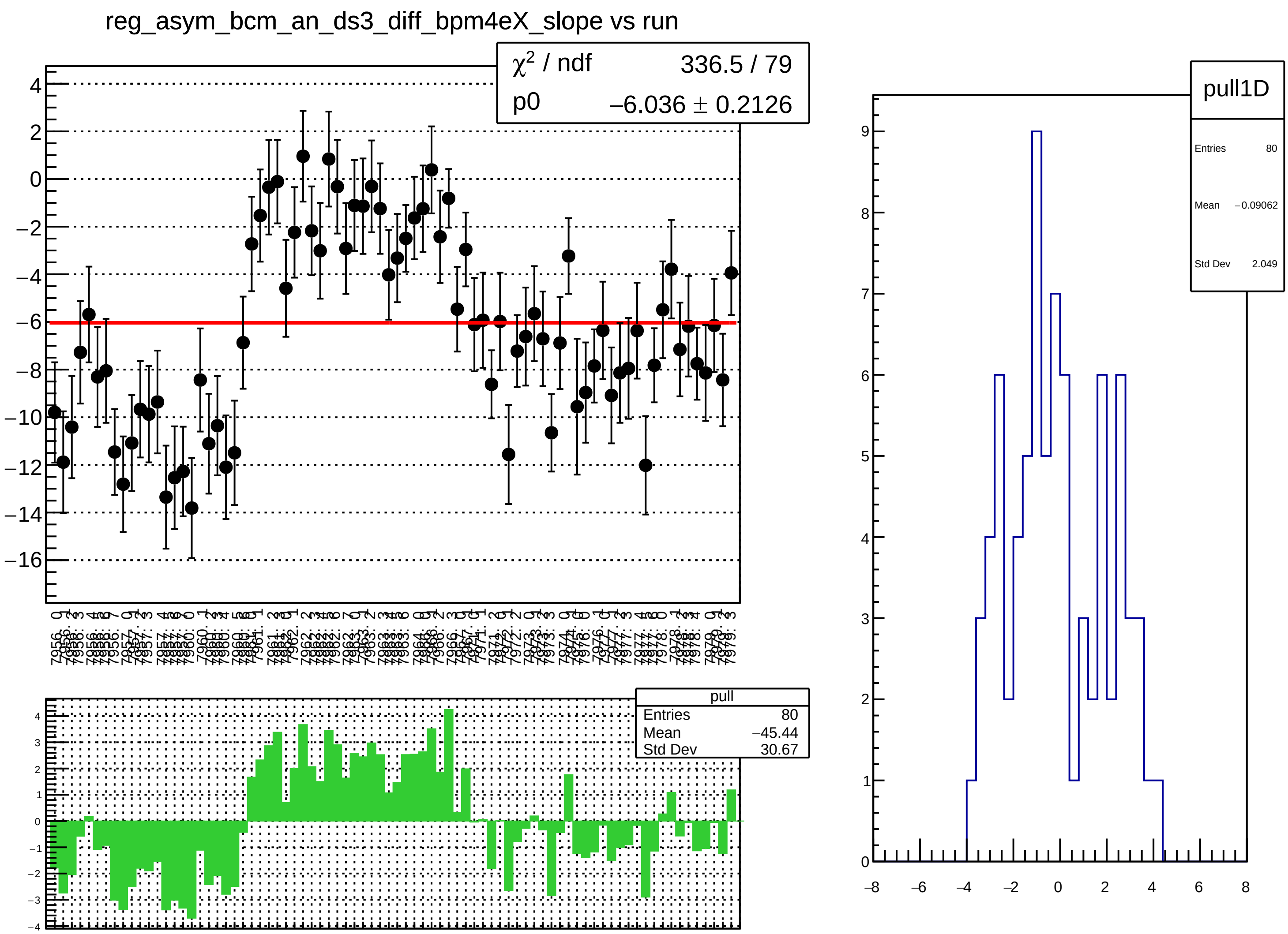


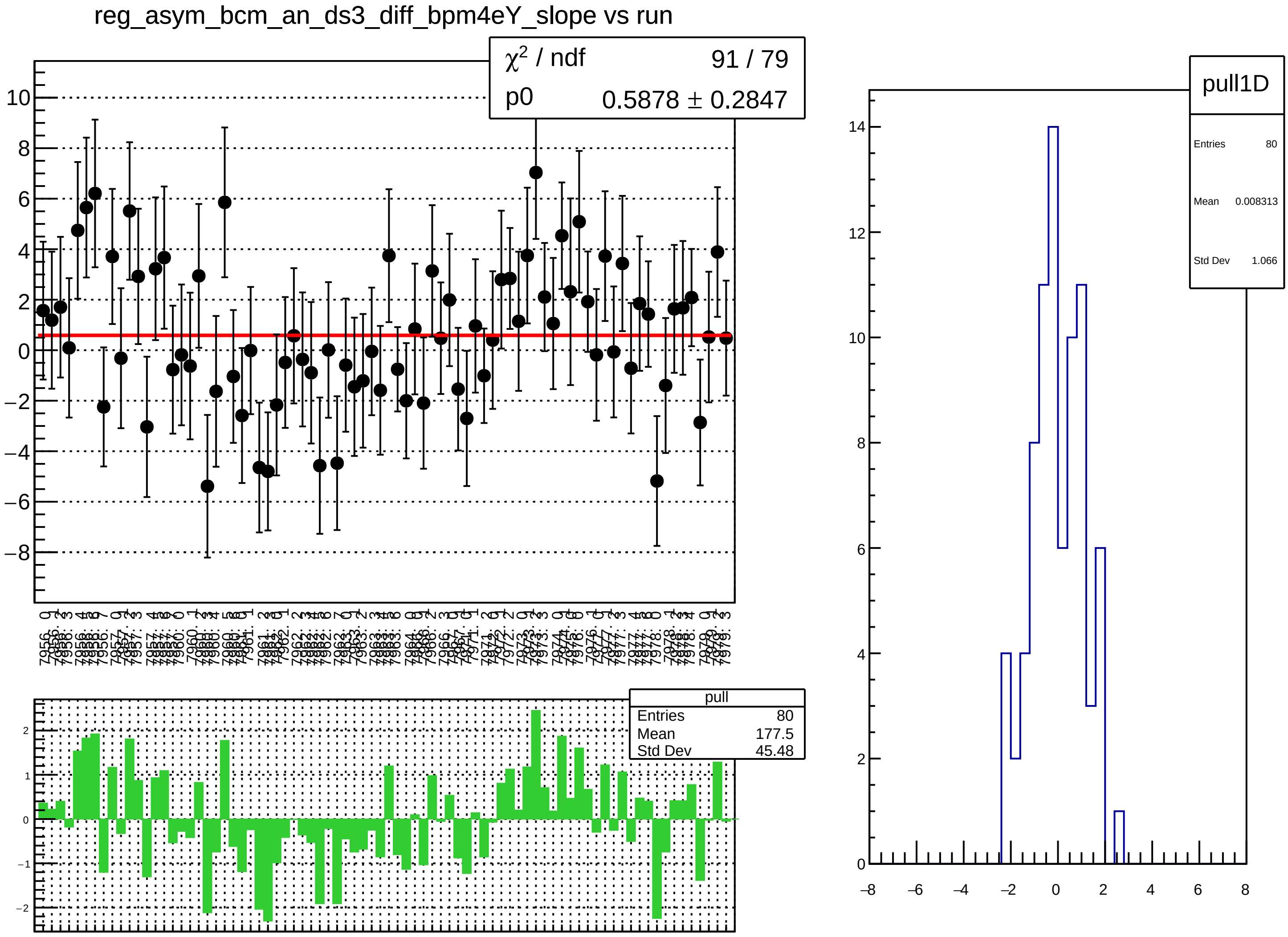
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 158.7 / 79
p0 26.48 ± 0.1023
pull
Entries 80
Mean −200.7
Std Dev 247.9
pull1D
Entries 80
Mean 0.05878
Std Dev 1.407

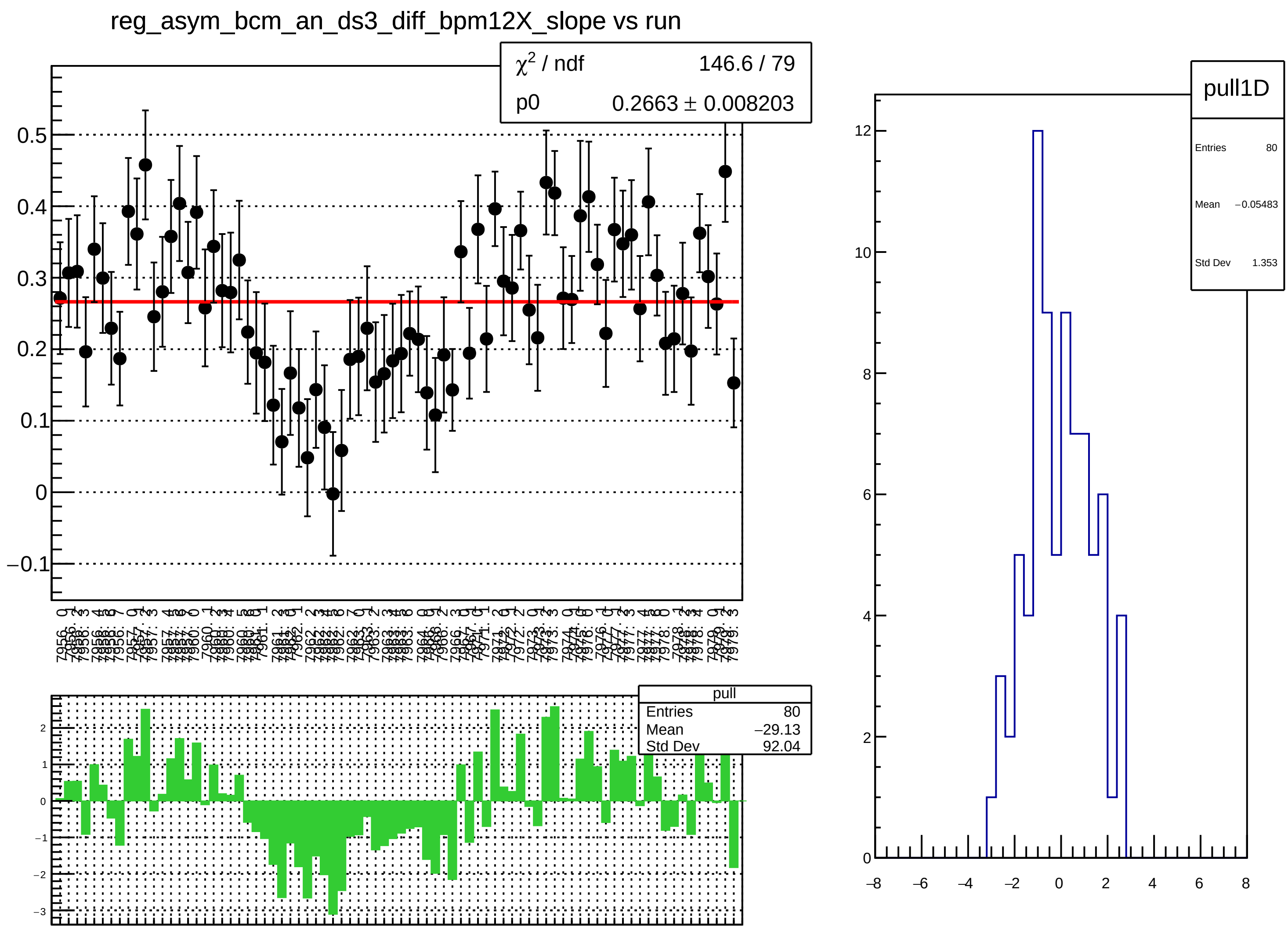

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ2 / ndf 314.7 / 79
p0 7.009 ± 0.2399
15
10
5
0
−5
pull
Entries 80
Mean −125
Std Dev 126.2
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 80
Mean 0.04677
Std Dev 1.983
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



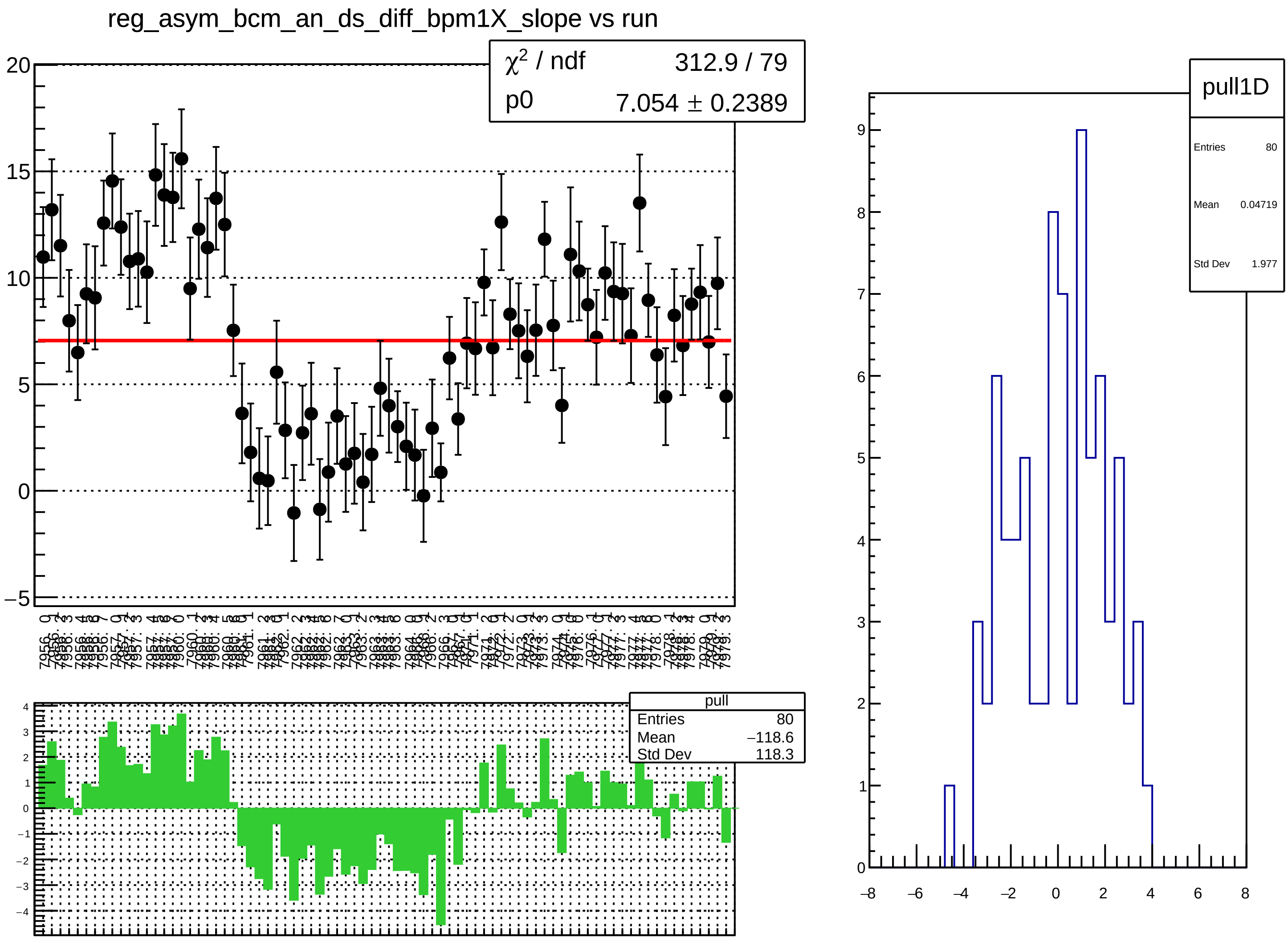
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 91.32 / 79
p0 −1.272 ± 0.2487
pull
Entries 80
Mean −179.1
Std Dev 191.4
pull1D
Entries 80
Mean −0.01077
Std Dev 1.068


reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / 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

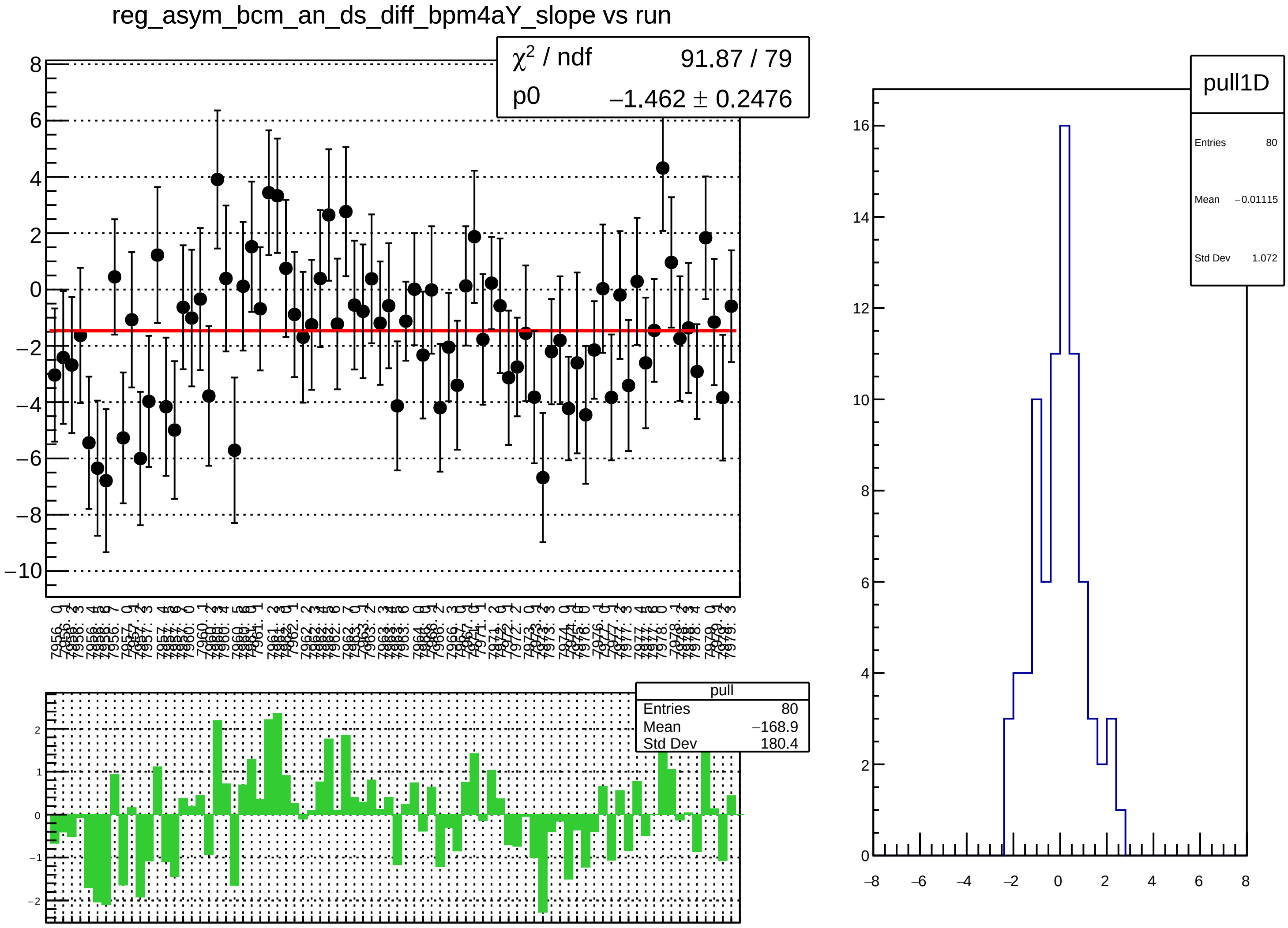

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 91 / 79
p0 0.5878 ± 0.2847
pull
Entries 80
Mean 177.5
Std Dev 45.48
pull1D
Entries 80
Mean 0.008313
Std Dev 1.066



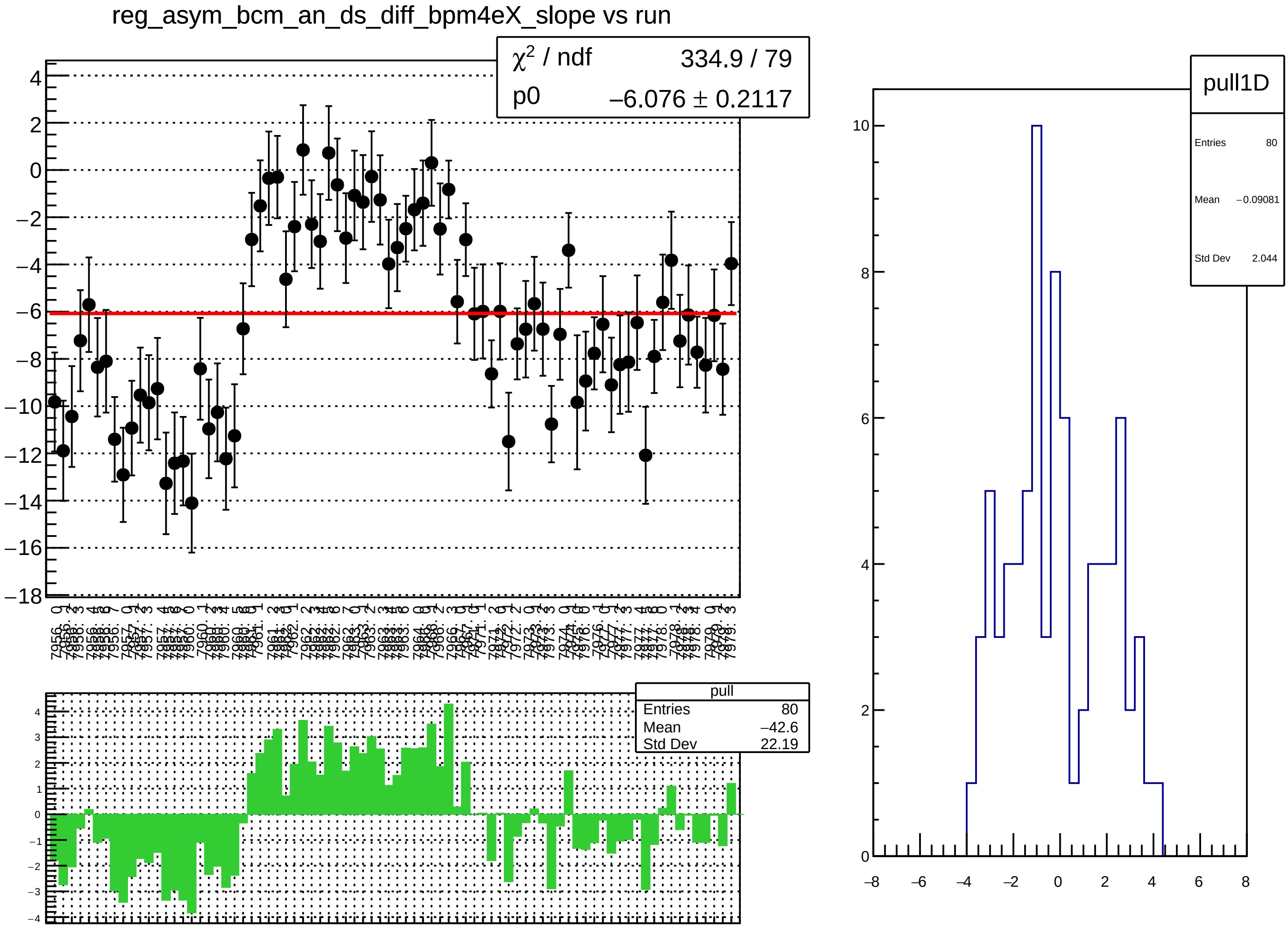
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 146.6 / 79
p0 0.2663 ± 0.008203
pull
Entries 80
Mean −29.13
Std Dev 92.04
pull1D
Entries 80
Mean −0.05483
Std Dev 1.353



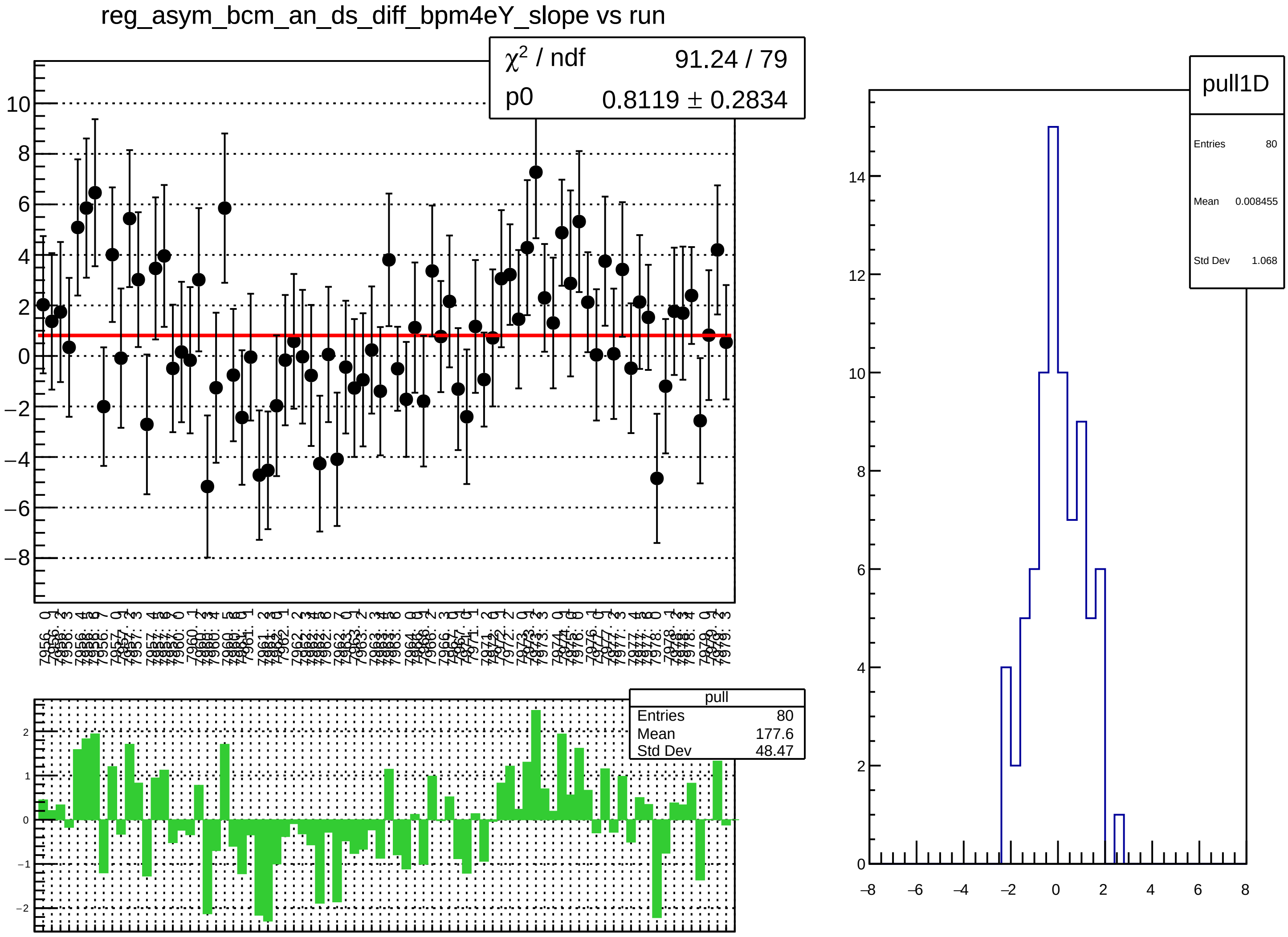
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ2 / ndf 312.9 / 79
p0 7.054 ± 0.2389
pull
Entries 80
Mean −118.6
Std Dev 118.3
pull1D
Entries 80
Mean 0.04719
Std Dev 1.977



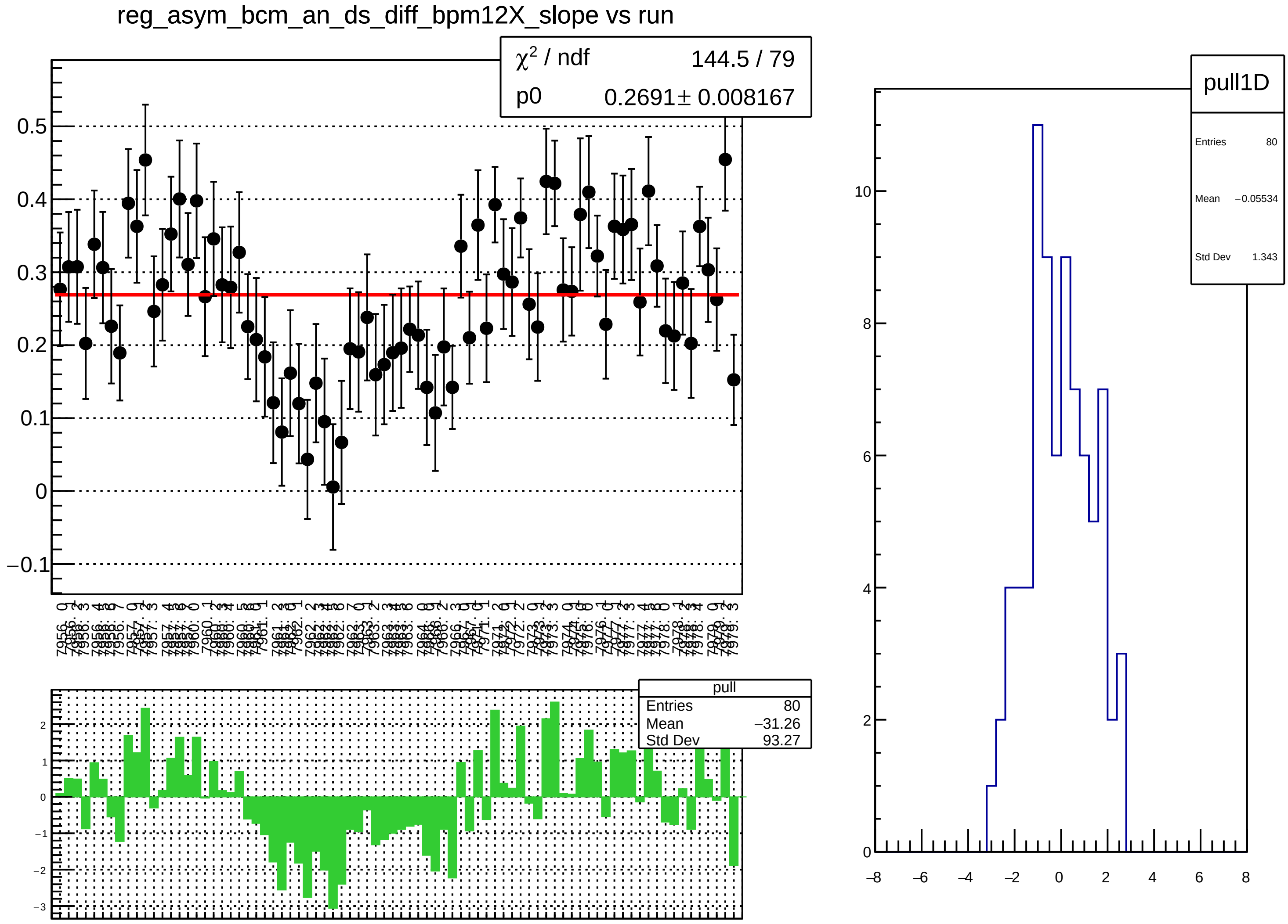
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ2 / ndf 91.87 / 79
p0 −1.462 ± 0.2476
pull
Entries 80
Mean −168.9
Std Dev 180.4
pull1D
Entries 80
Mean −0.01115
Std Dev 1.072



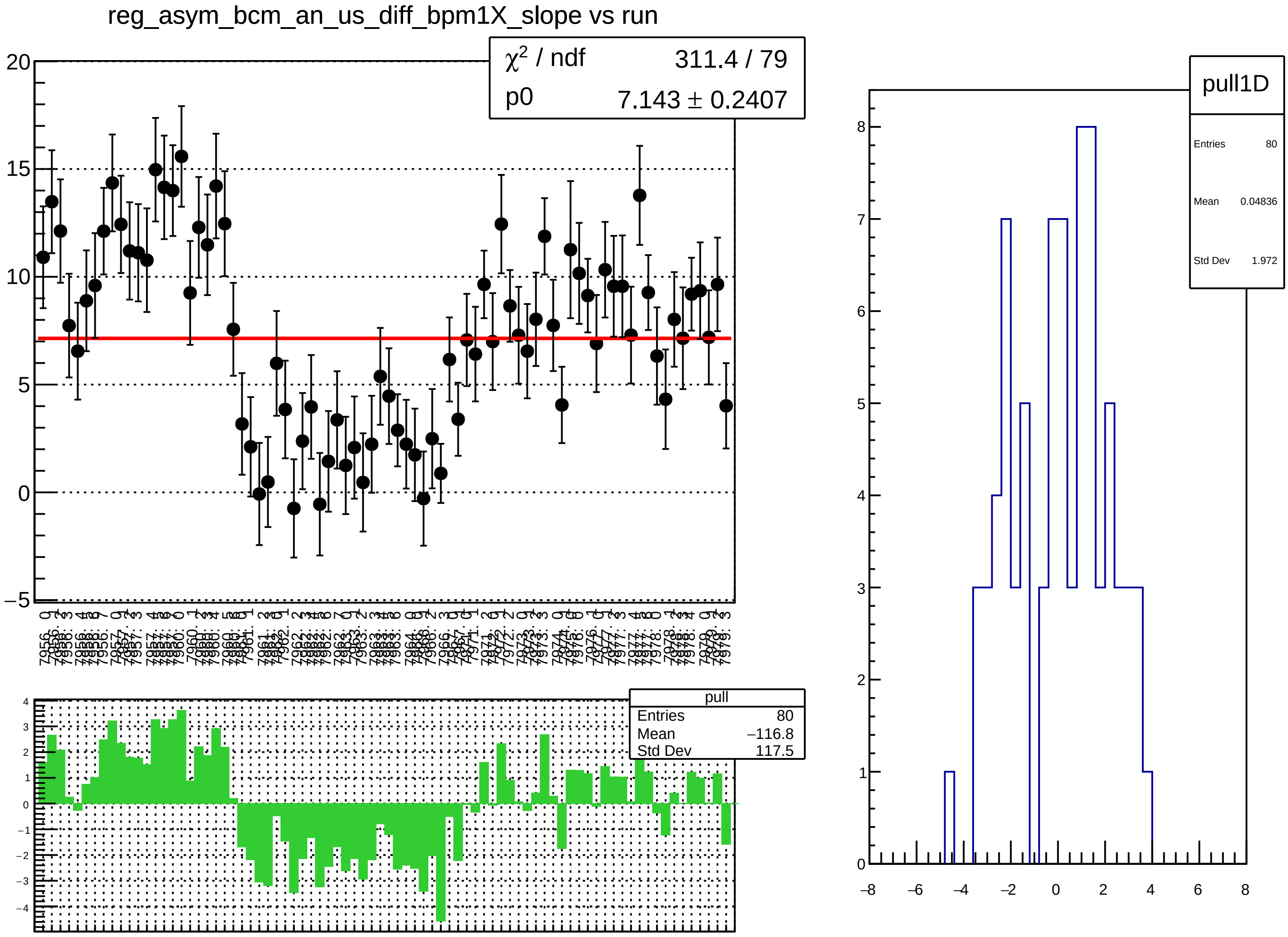
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 334.9 / 79
p0 −6.076 ± 0.2117
pull
Entries 80
Mean −42.6
Std Dev 22.19
pull1D
Entries 80
Mean −0.09081
Std Dev 2.044



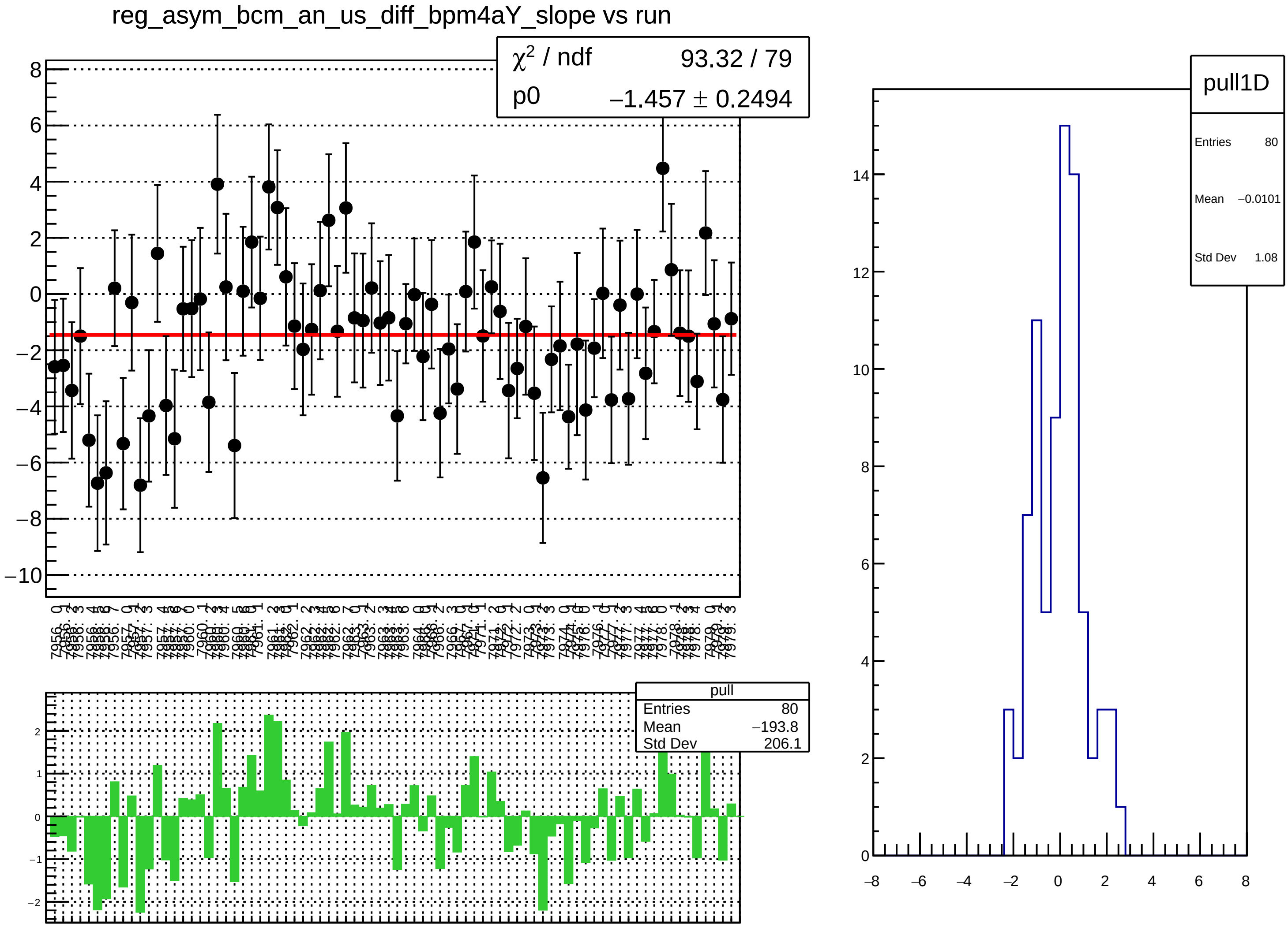
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ2 / ndf 91.24 / 79
p0 0.8119 ± 0.2834
pull
Entries 80
Mean 177.6
Std Dev 48.47
pull1D
Entries 80
Mean 0.008455
Std Dev 1.068

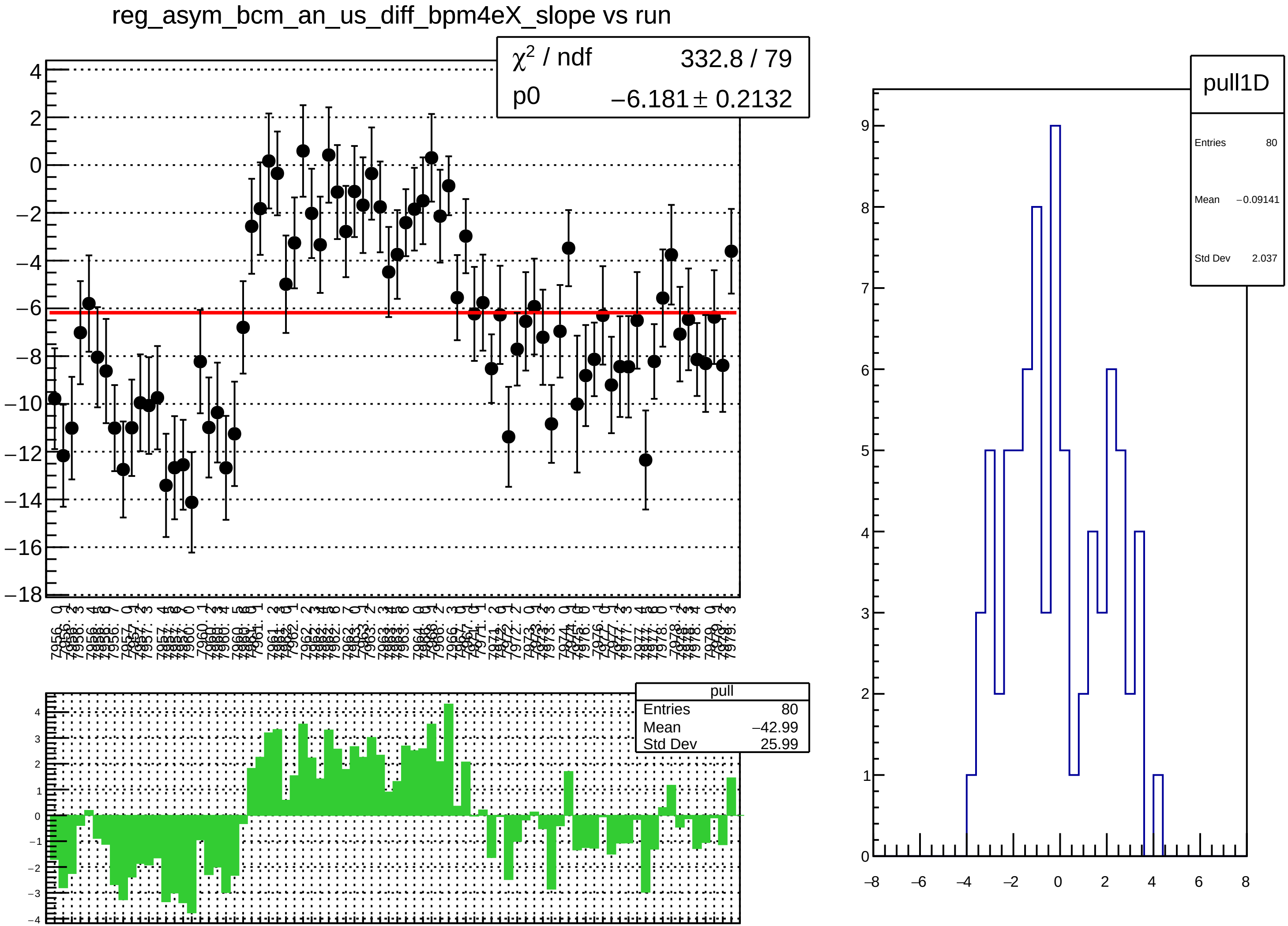


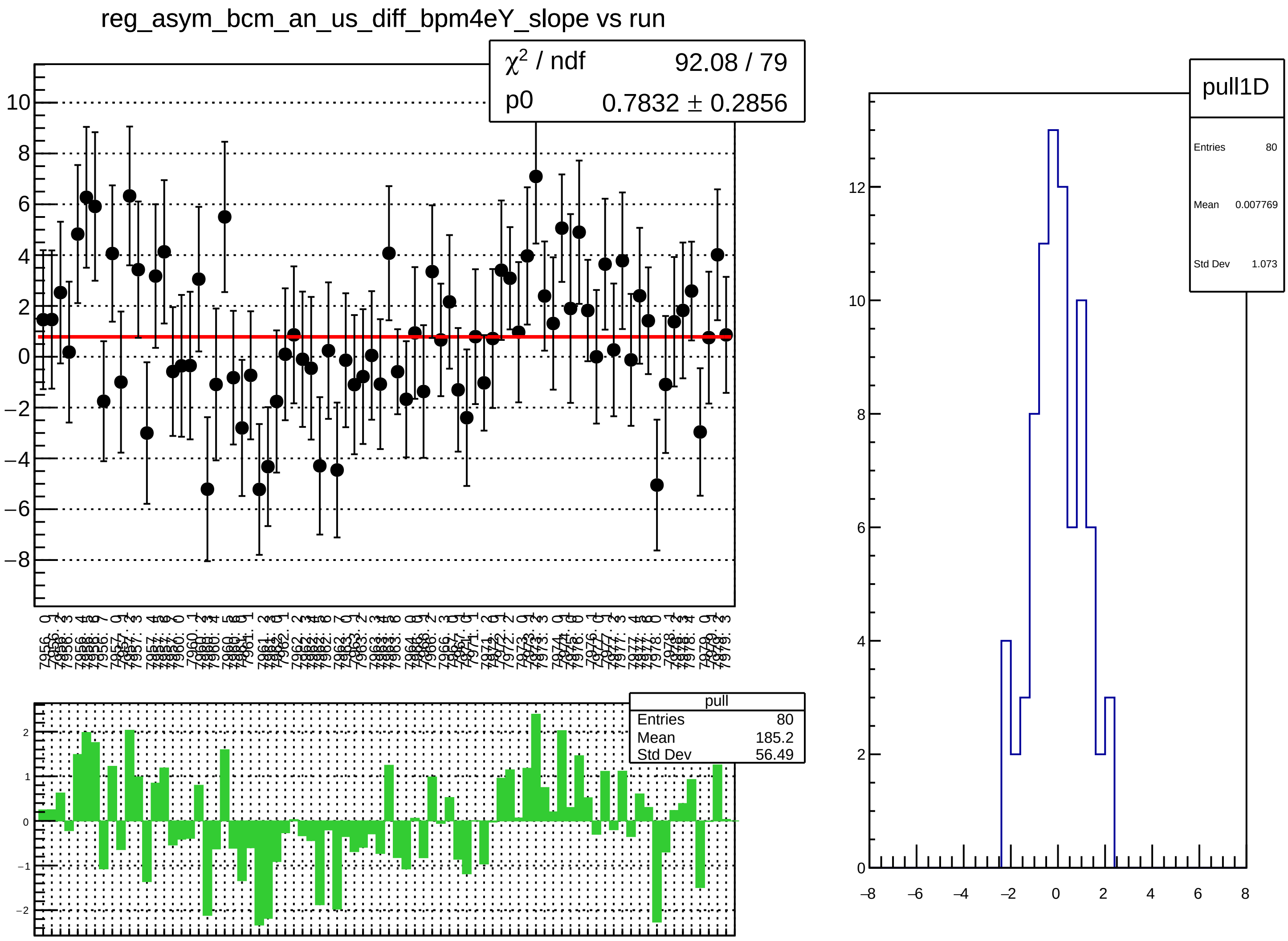
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 144.5 / 79
p0 0.2691 ± 0.008167
pull
Entries 80
Mean −31.26
Std Dev 93.27
pull1D
Entries 80
Mean −0.05534
Std Dev 1.343

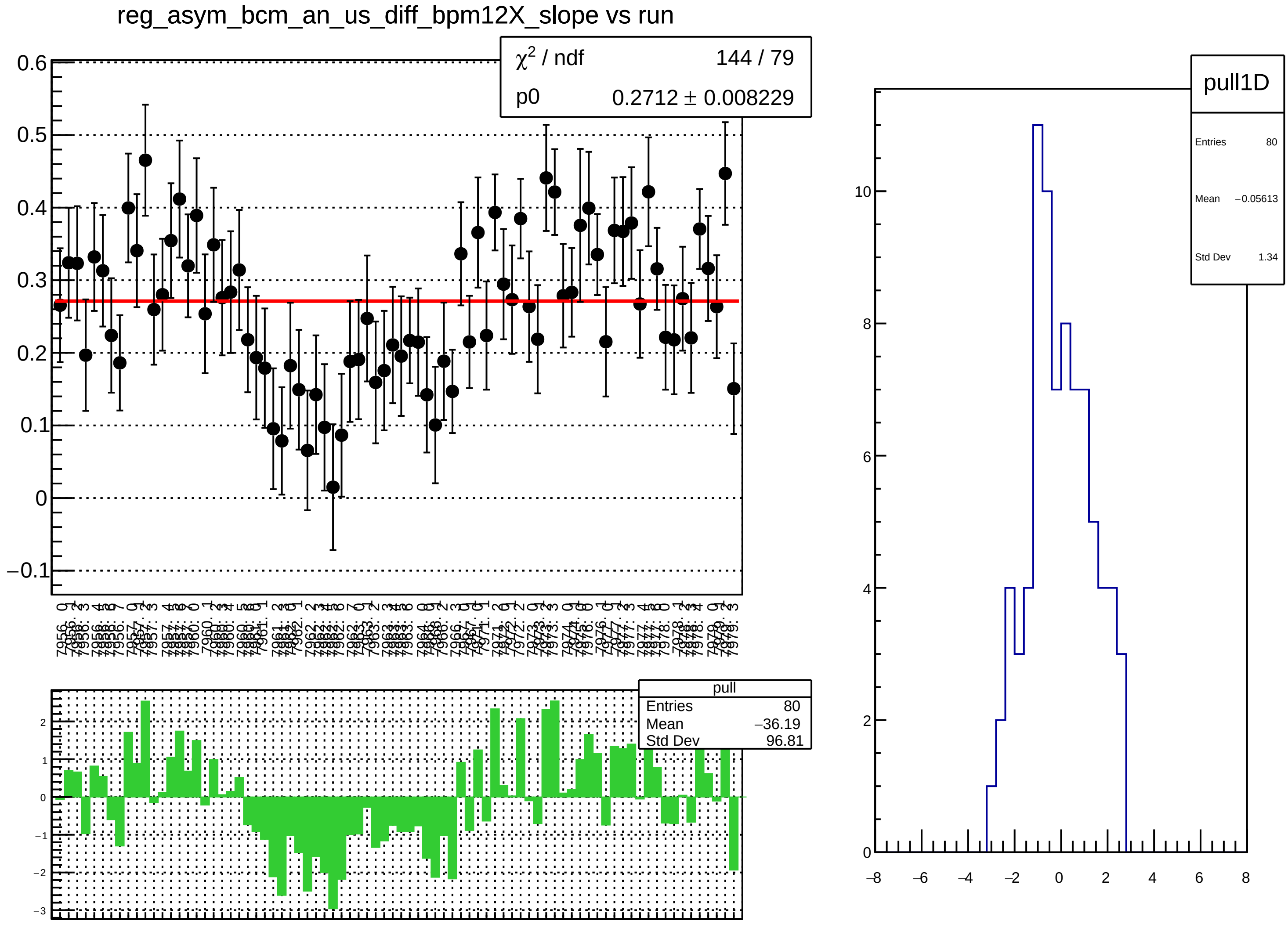


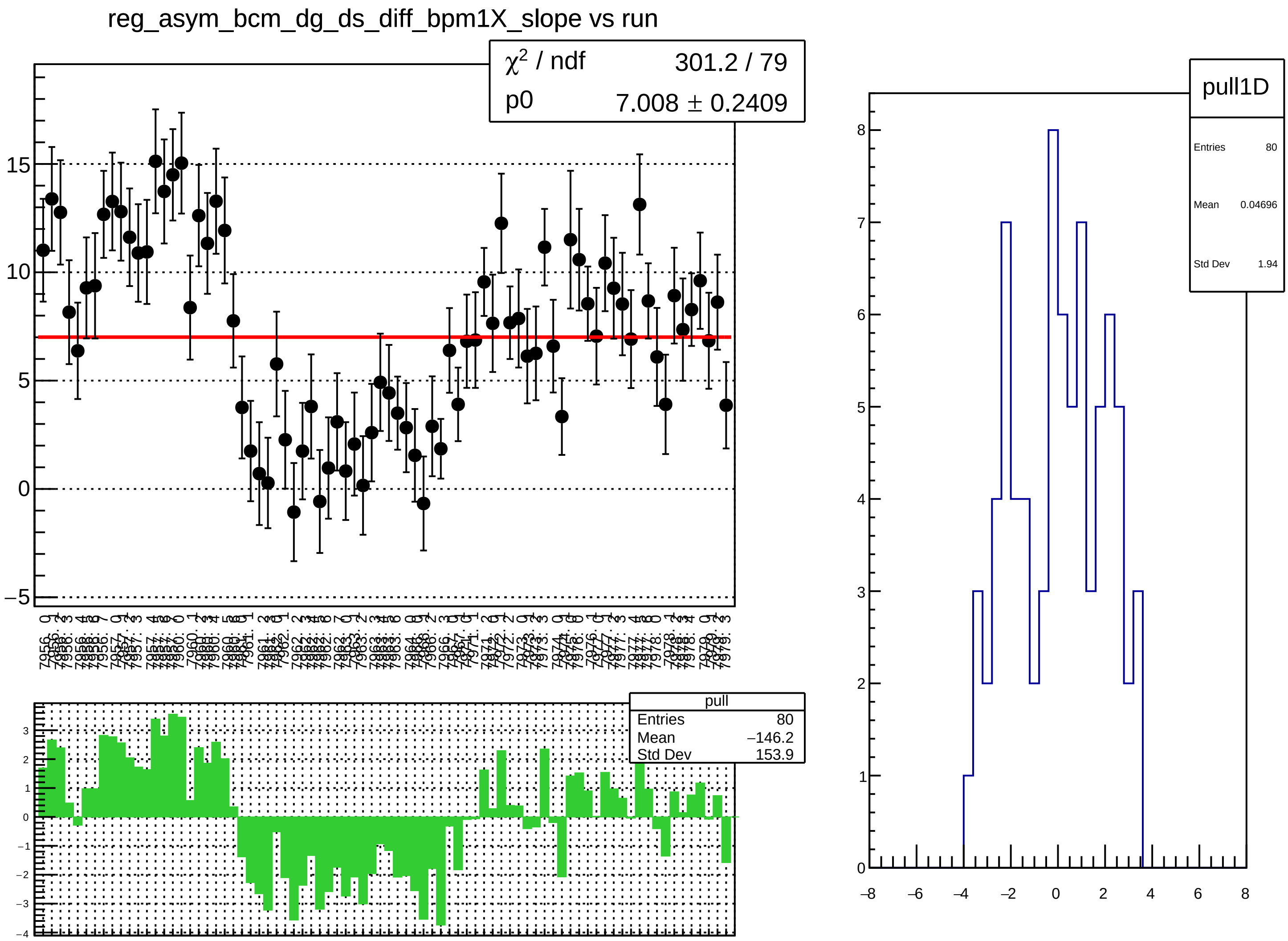
reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 311.4 / 79
p0 7.143 ± 0.2407
pull
Entries 80
Mean −116.8
Std Dev 117.5
pull1D
Entries 80
Mean 0.04836
Std Dev 1.972


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / 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

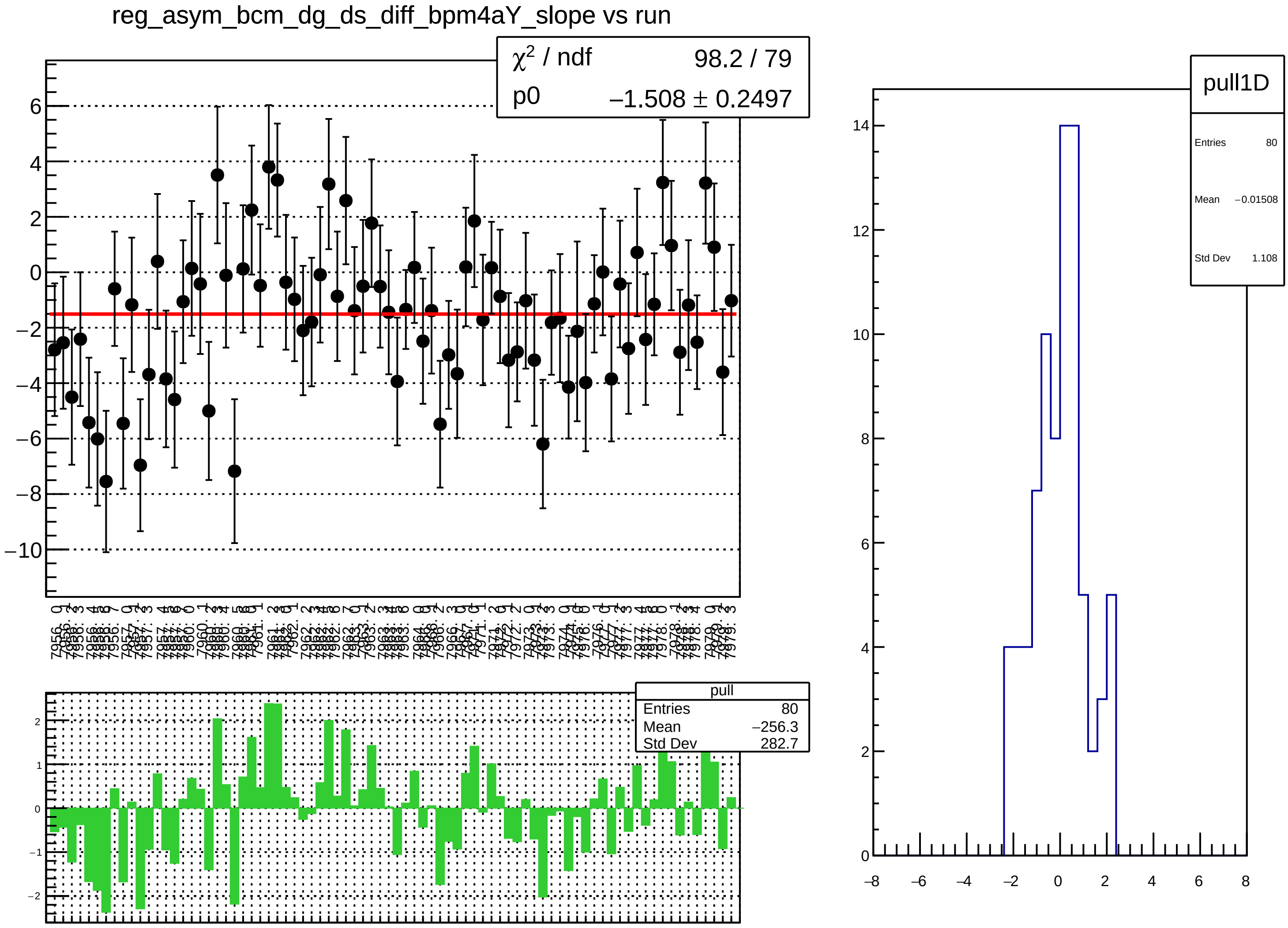

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 332.8 / 79
p0 −6.181 ± 0.2132
pull
Entries 80
Mean −42.99
Std Dev 25.99
pull1D
Entries 80
Mean −0.09141
Std Dev 2.037


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

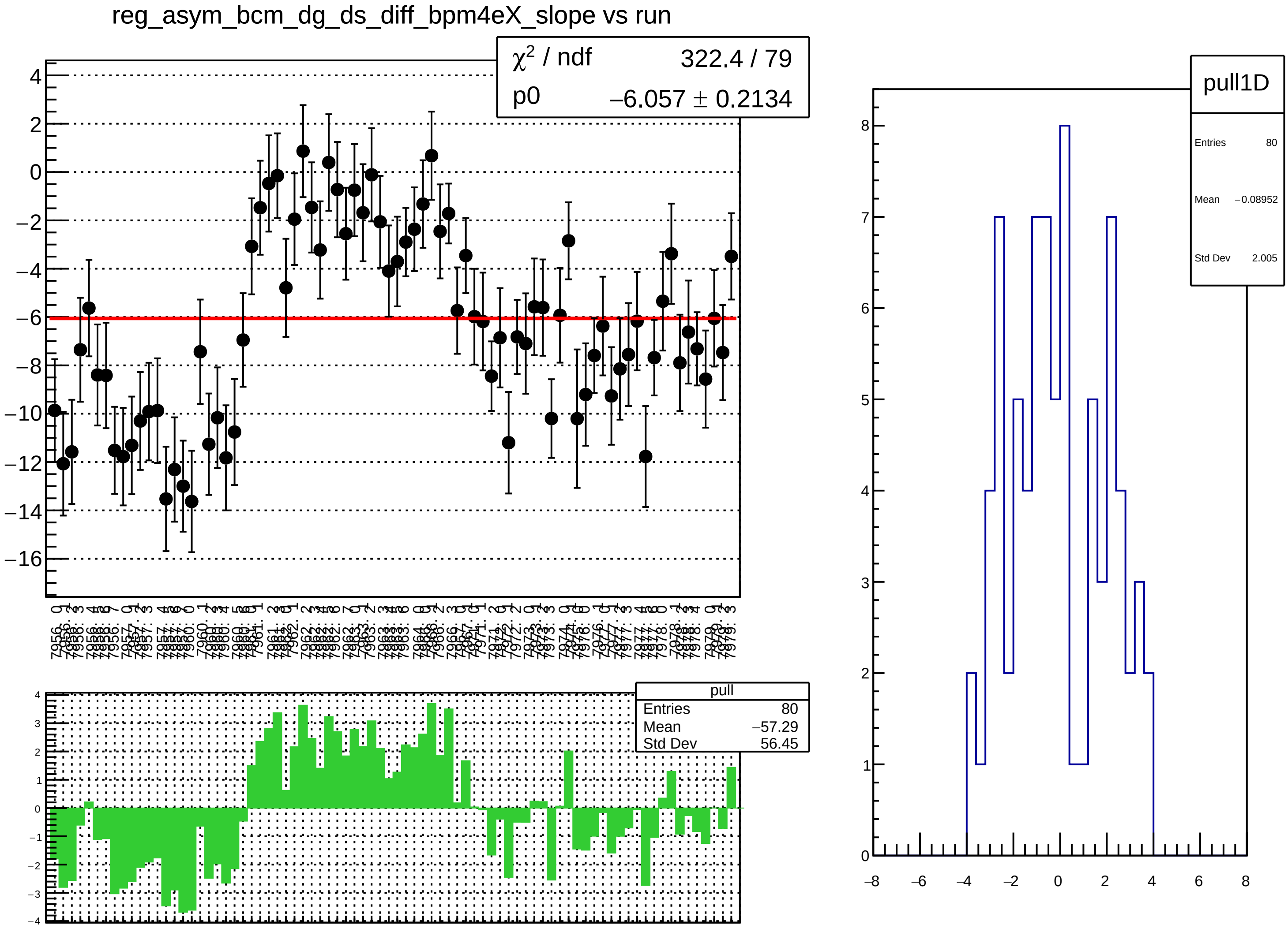

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 144 / 79
p0 0.2712 ± 0.008229
pull
Entries 80
Mean −36.19
Std Dev 96.81
pull1D
Entries 80
Mean −0.05613
Std Dev 1.34

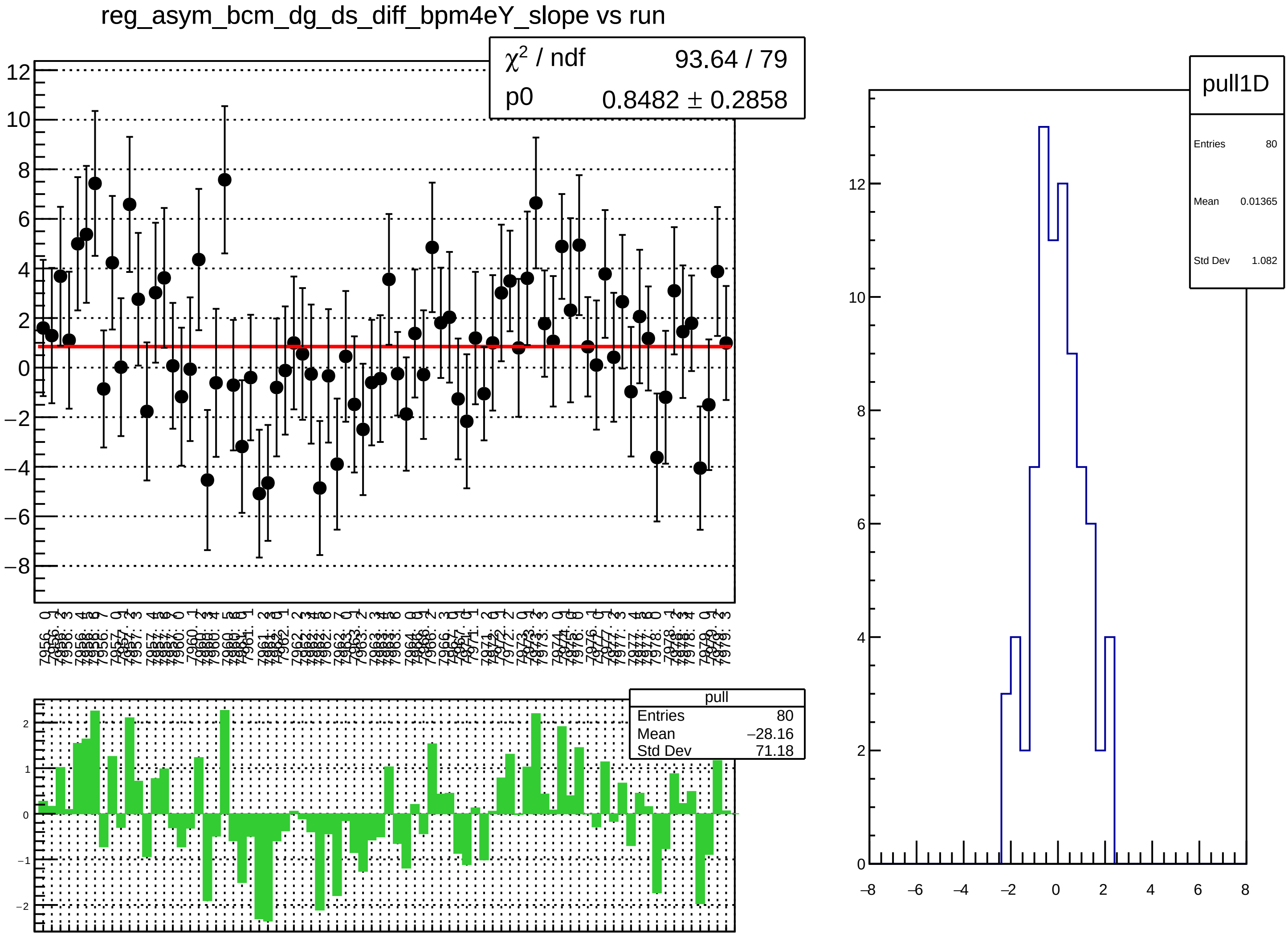


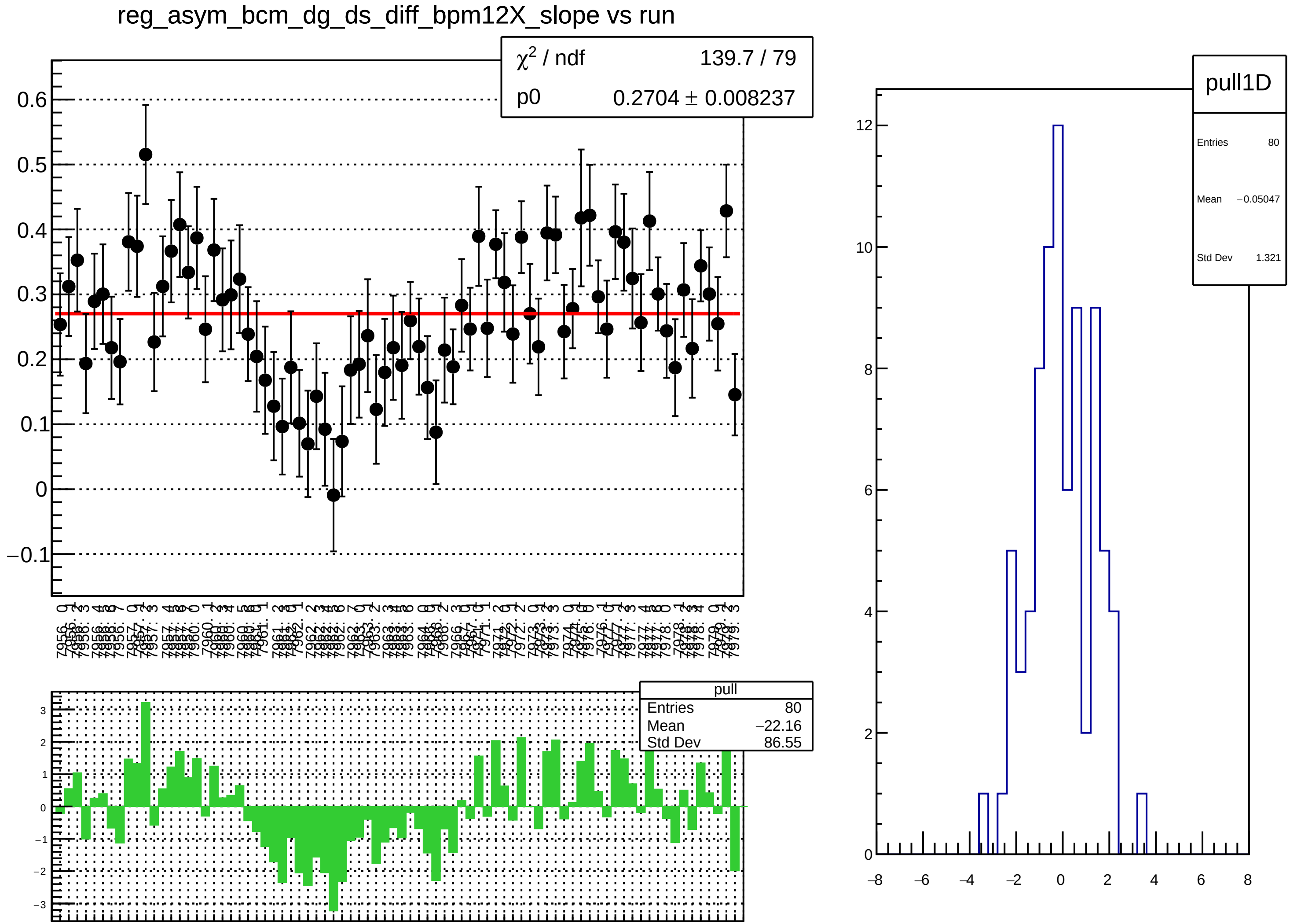
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 301.2 / 79
p0 7.008 ± 0.2409
pull
Entries 80
Mean −146.2
Std Dev 153.9
pull1D
Entries 80
Mean 0.04696
Std Dev 1.94

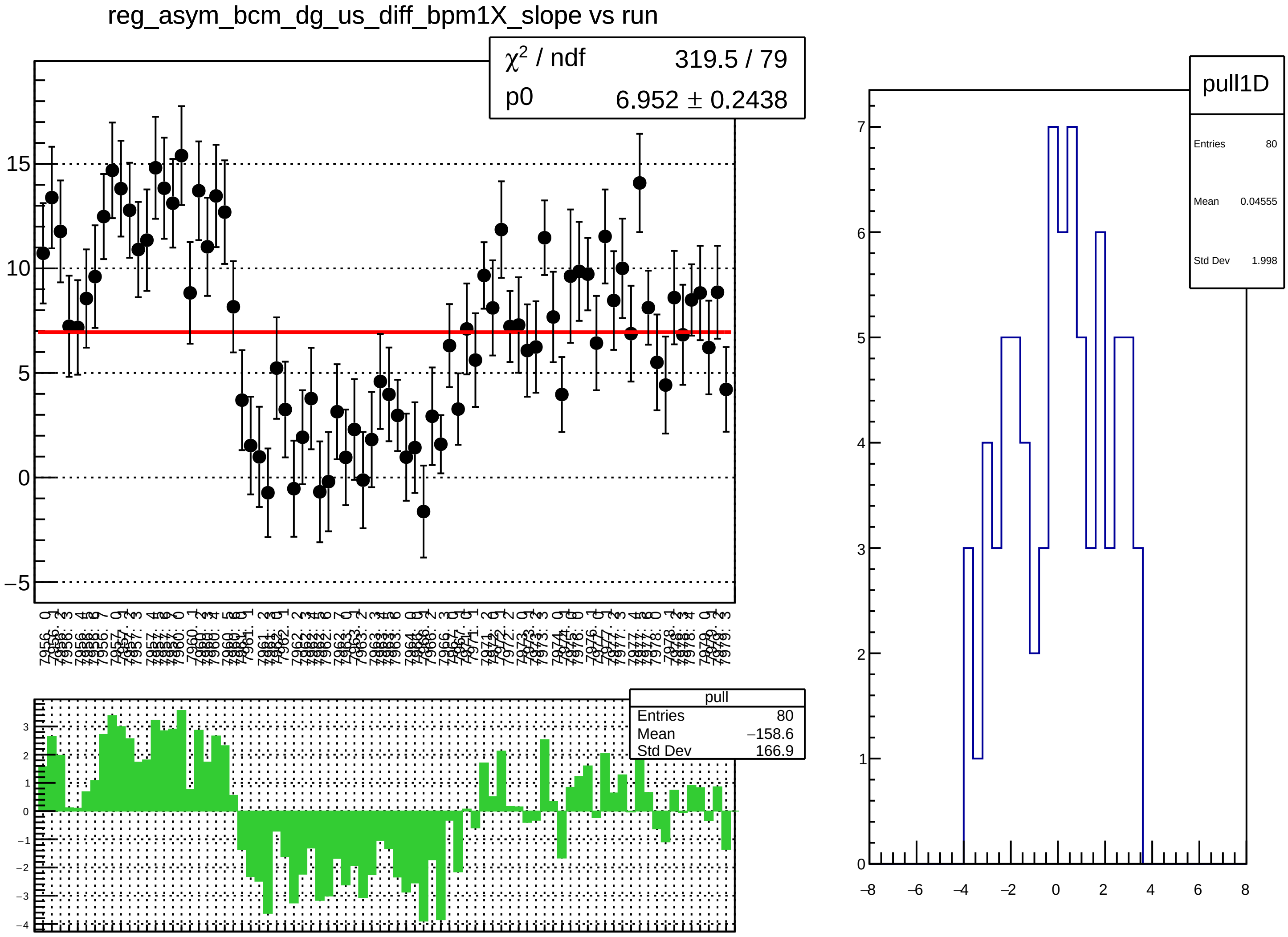


reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 98.2 / 79
p0 −1.508 ± 0.2497
pull
Entries 80
Mean −256.3
Std Dev 282.7
pull1D
Entries 80
Mean −0.01508
Std Dev 1.108

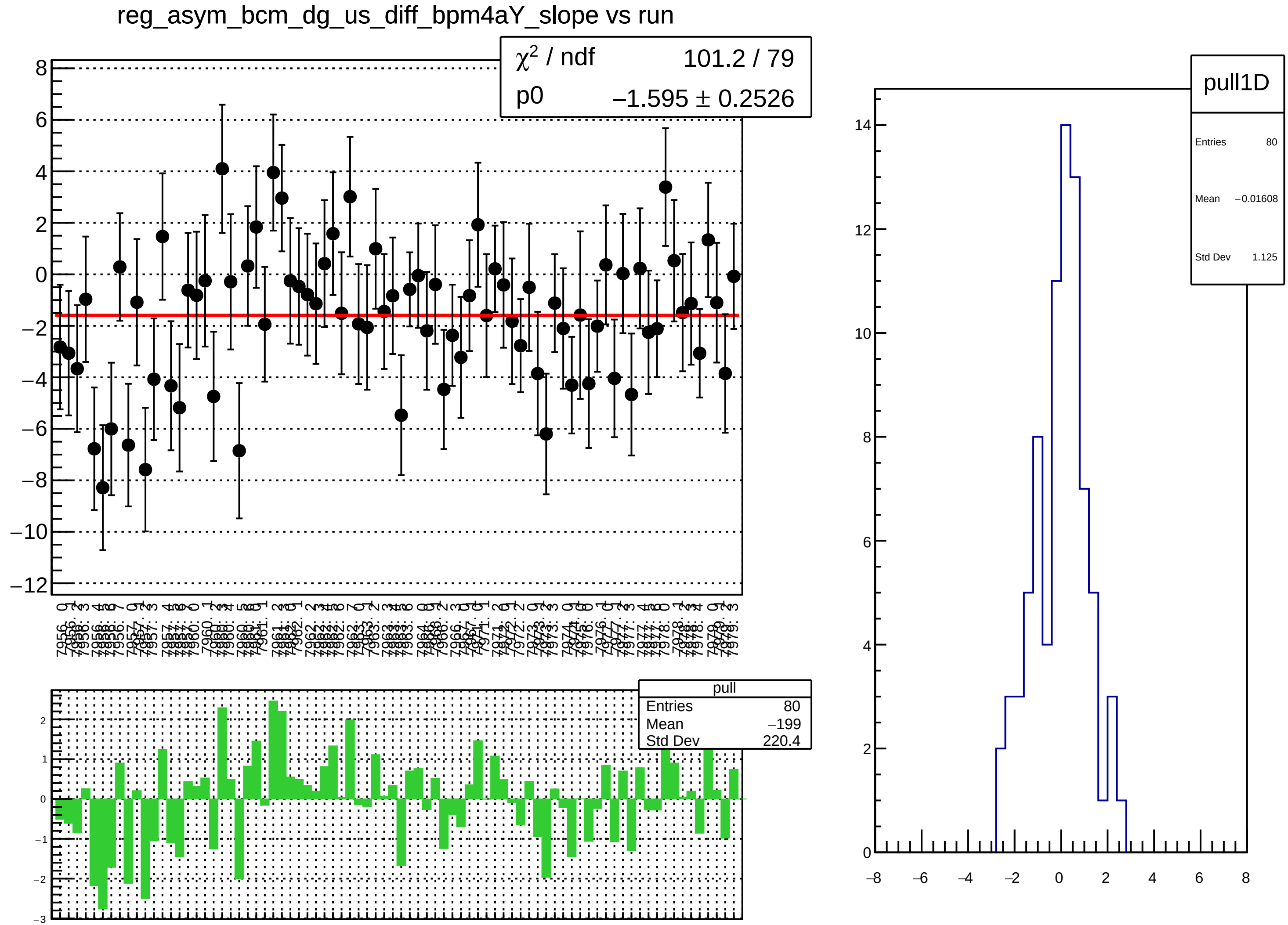

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 322.4 / 79
p0 −6.057 ± 0.2134
pull
Entries 80
Mean −57.29
Std Dev 56.45
pull1D
Entries 80
Mean −0.08952
Std Dev 2.005

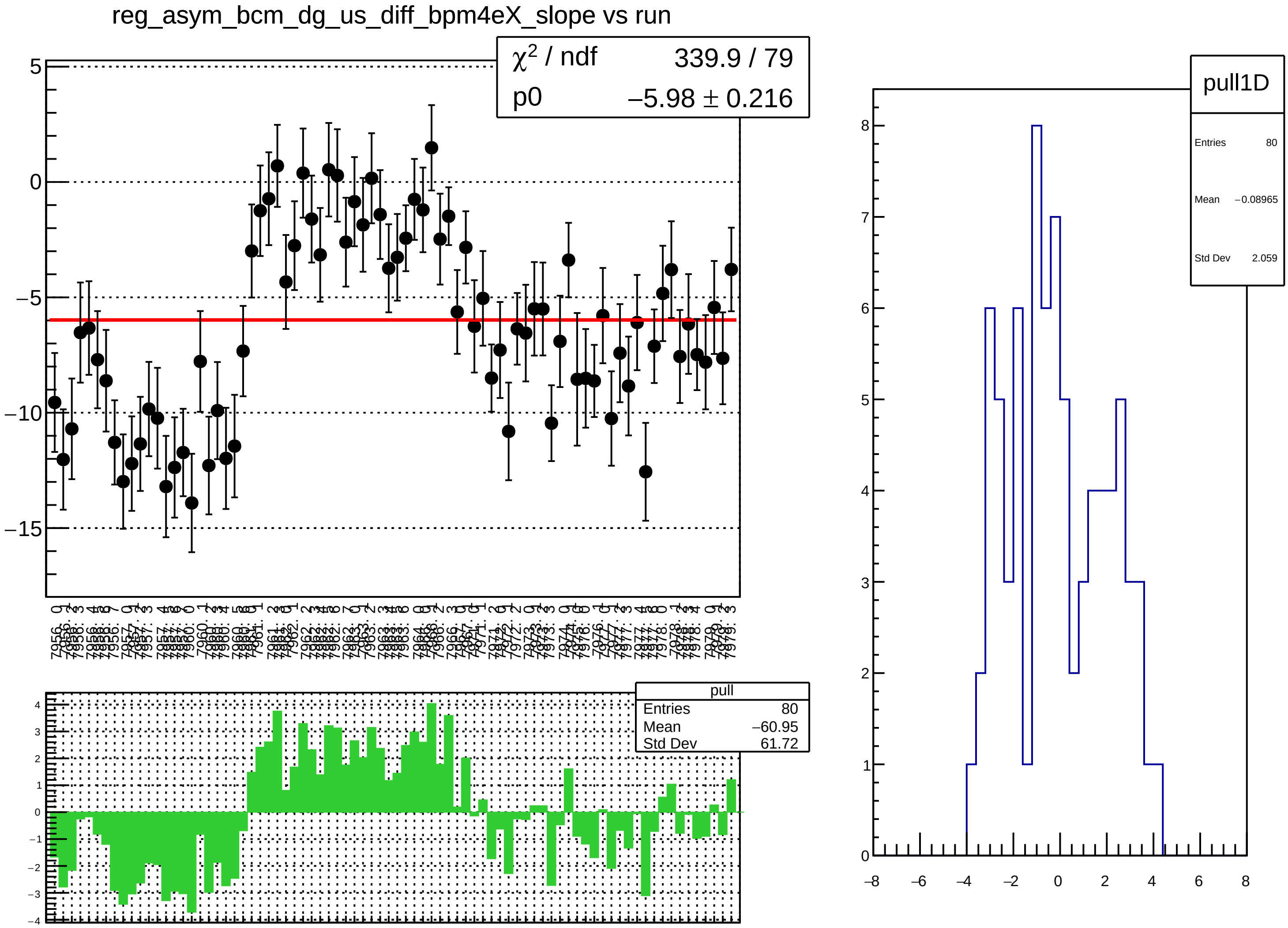

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 93.64 / 79
p0 0.8482 ± 0.2858
pull
Entries 80
Mean −28.16
Std Dev 71.18
pull1D
Entries 80
Mean 0.01365
Std Dev 1.082


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

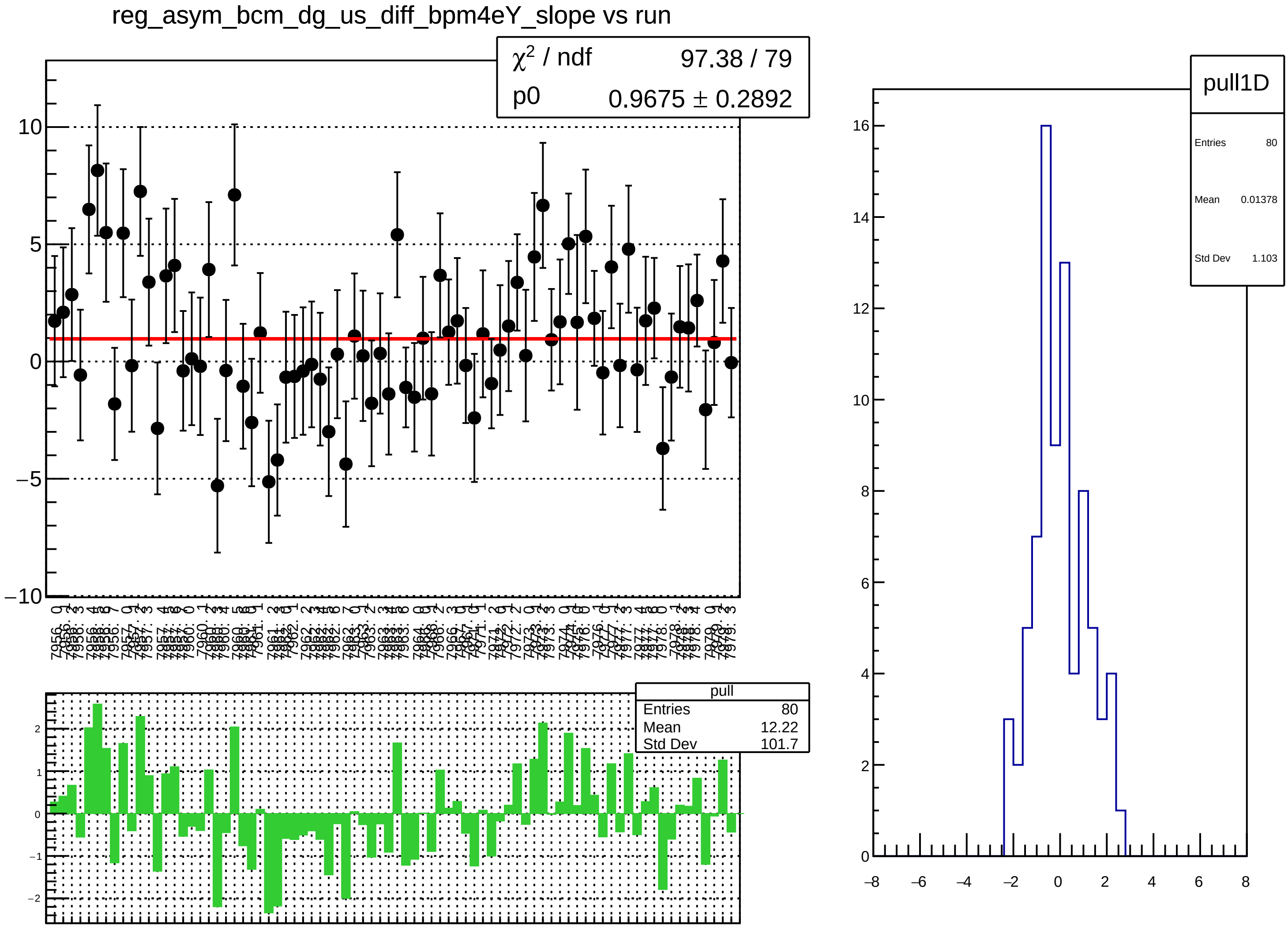


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 319.5 / 79
p0 6.952 ± 0.2438
15
10
5
0
−5
pull
Entries 80
Mean −158.6
Std Dev 166.9
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 80
Mean 0.04555
Std Dev 1.998
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

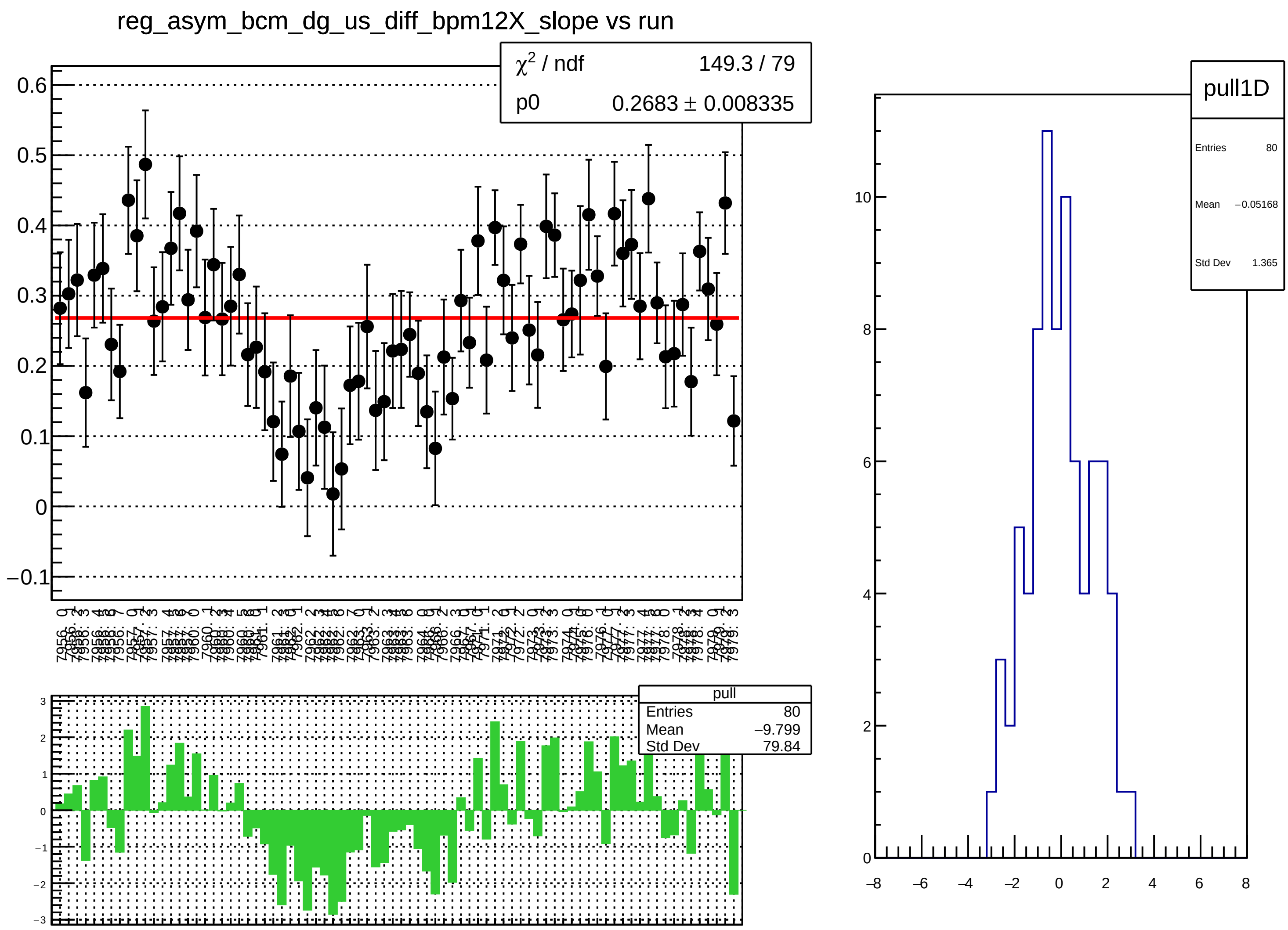

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 101.2 / 79
p0 −1.595 ± 0.2526
pull
Entries 80
Mean −199
Std Dev 220.4
pull1D
Entries 80
Mean −0.01608
Std Dev 1.125



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
χ^2 / 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
χ^2 / 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