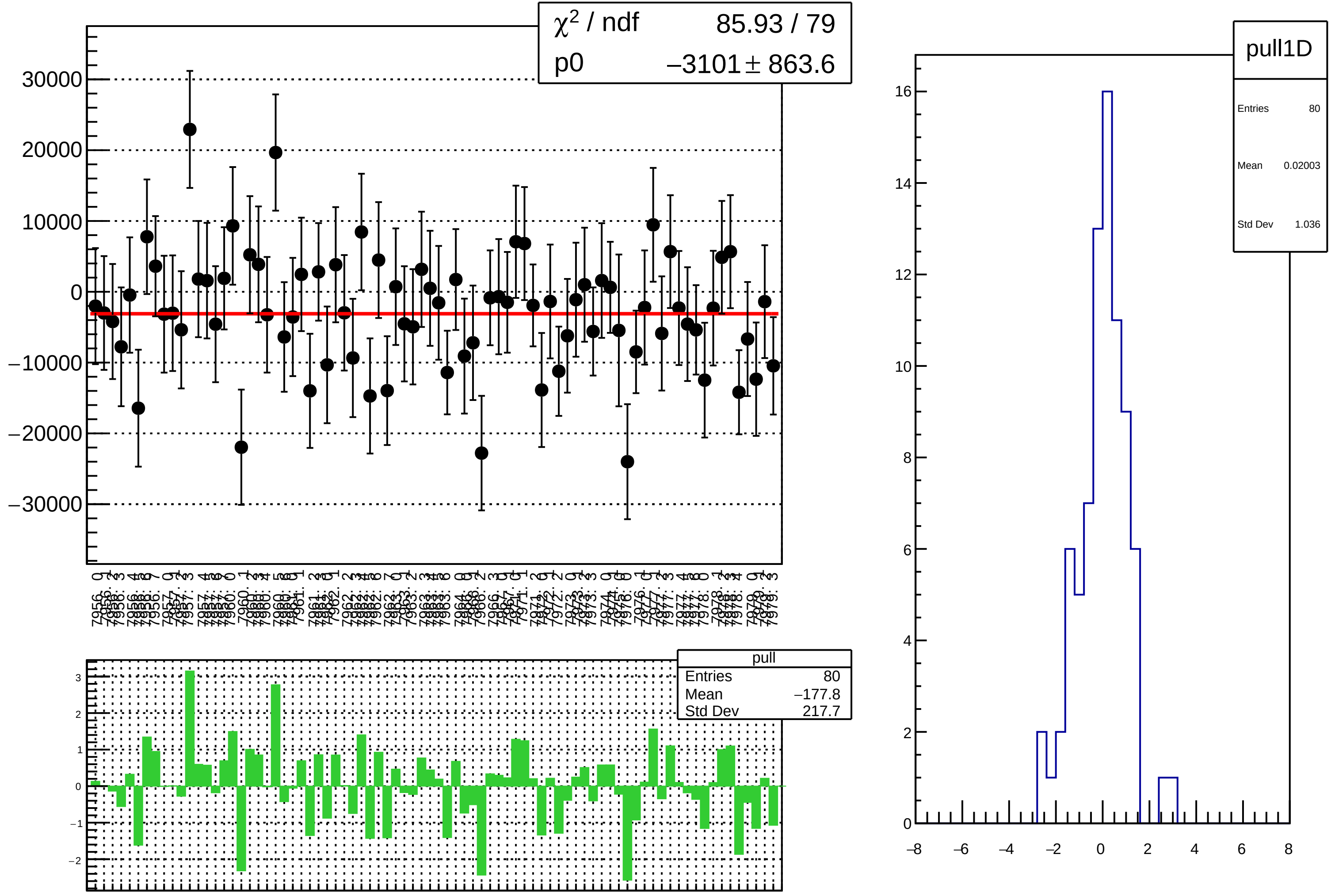
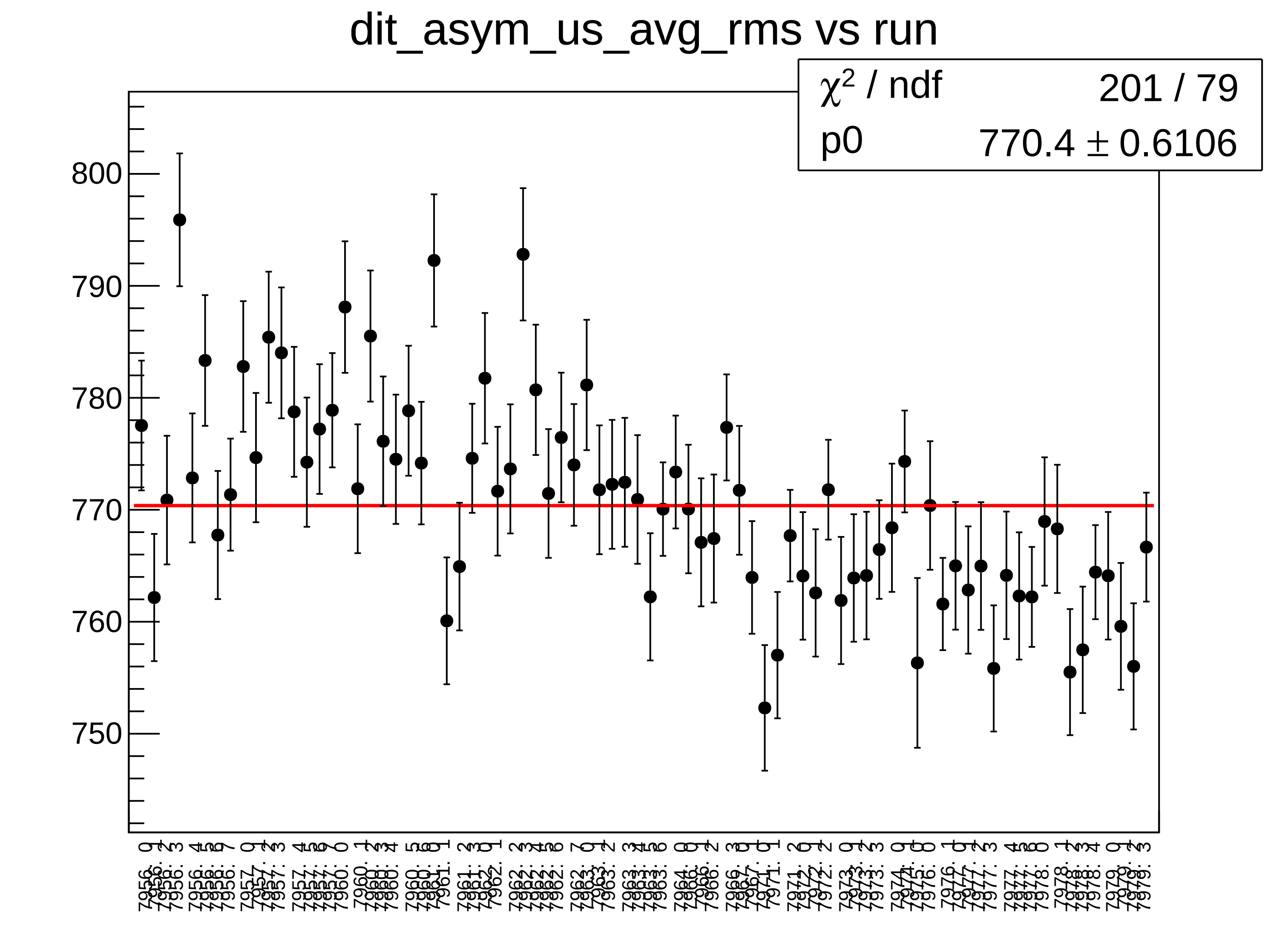
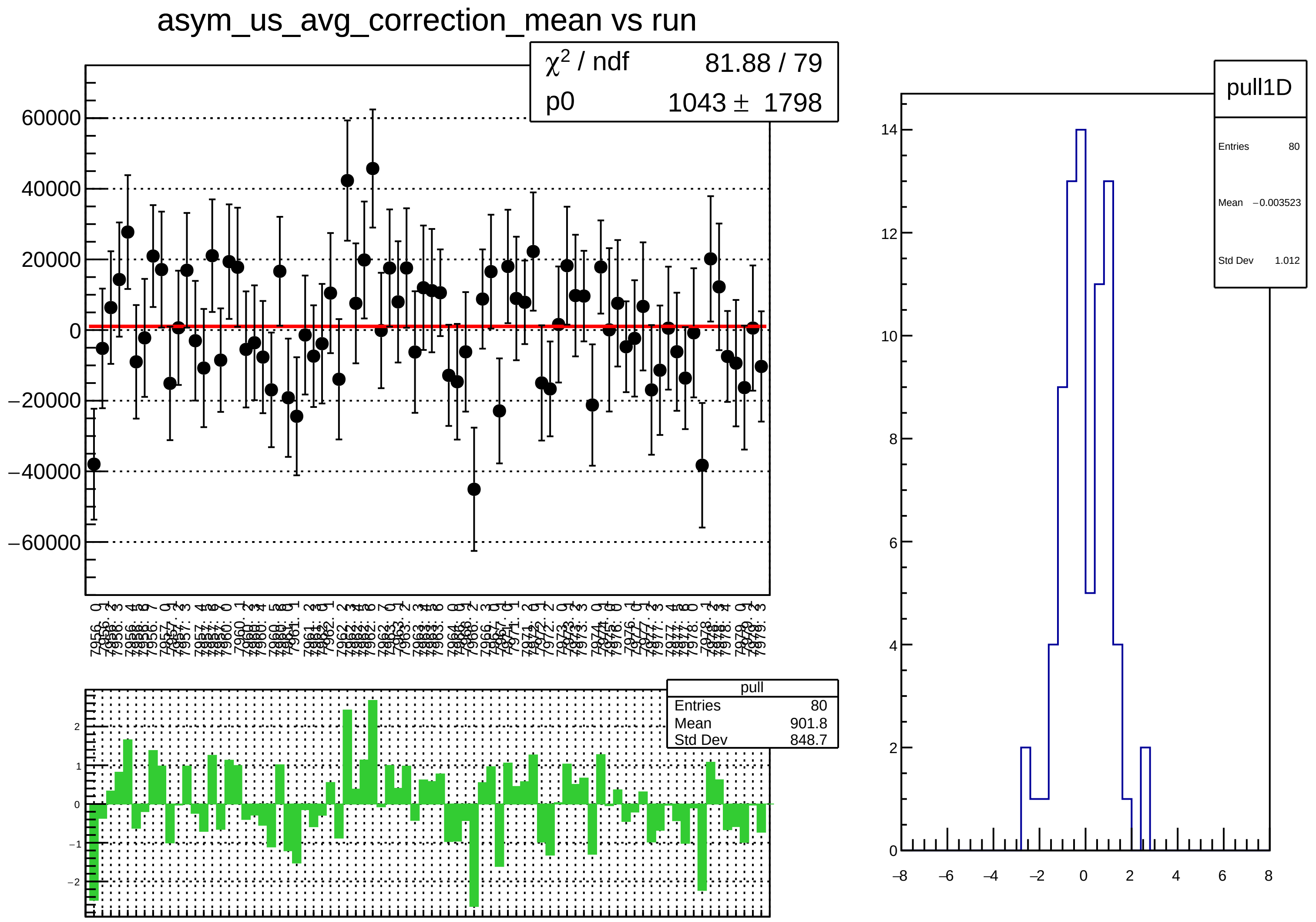
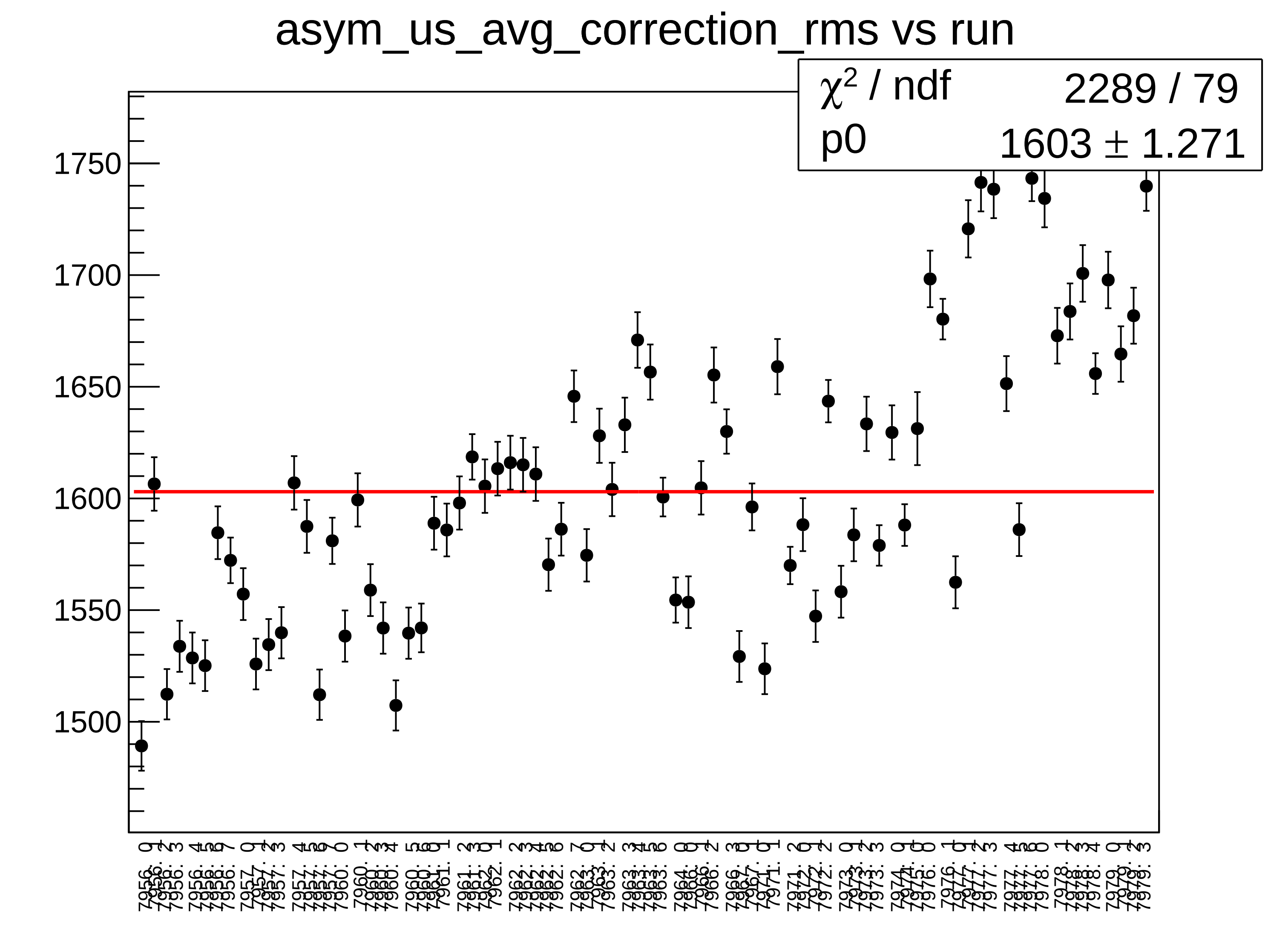
dit_asym_us_avg_mean vs run

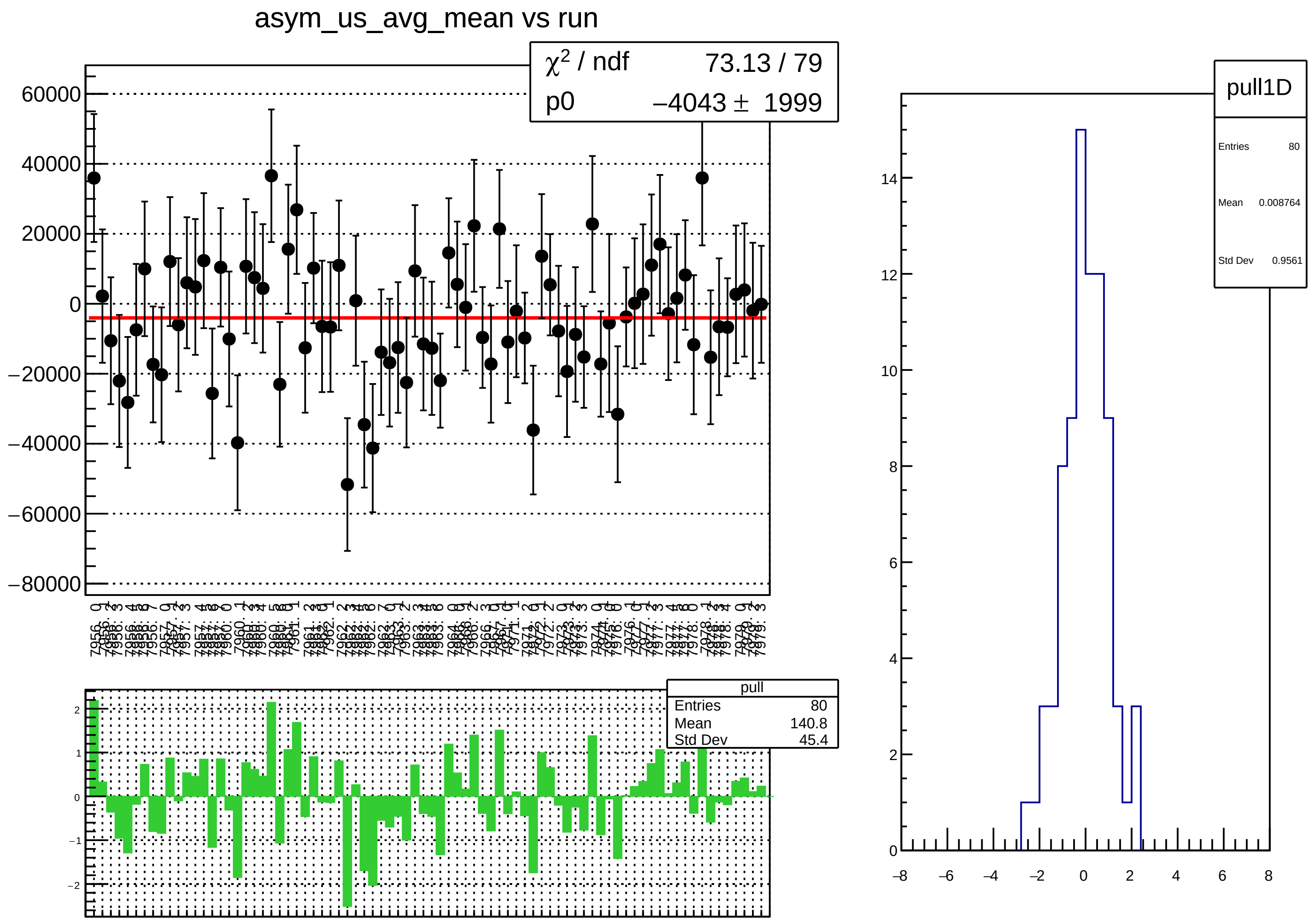


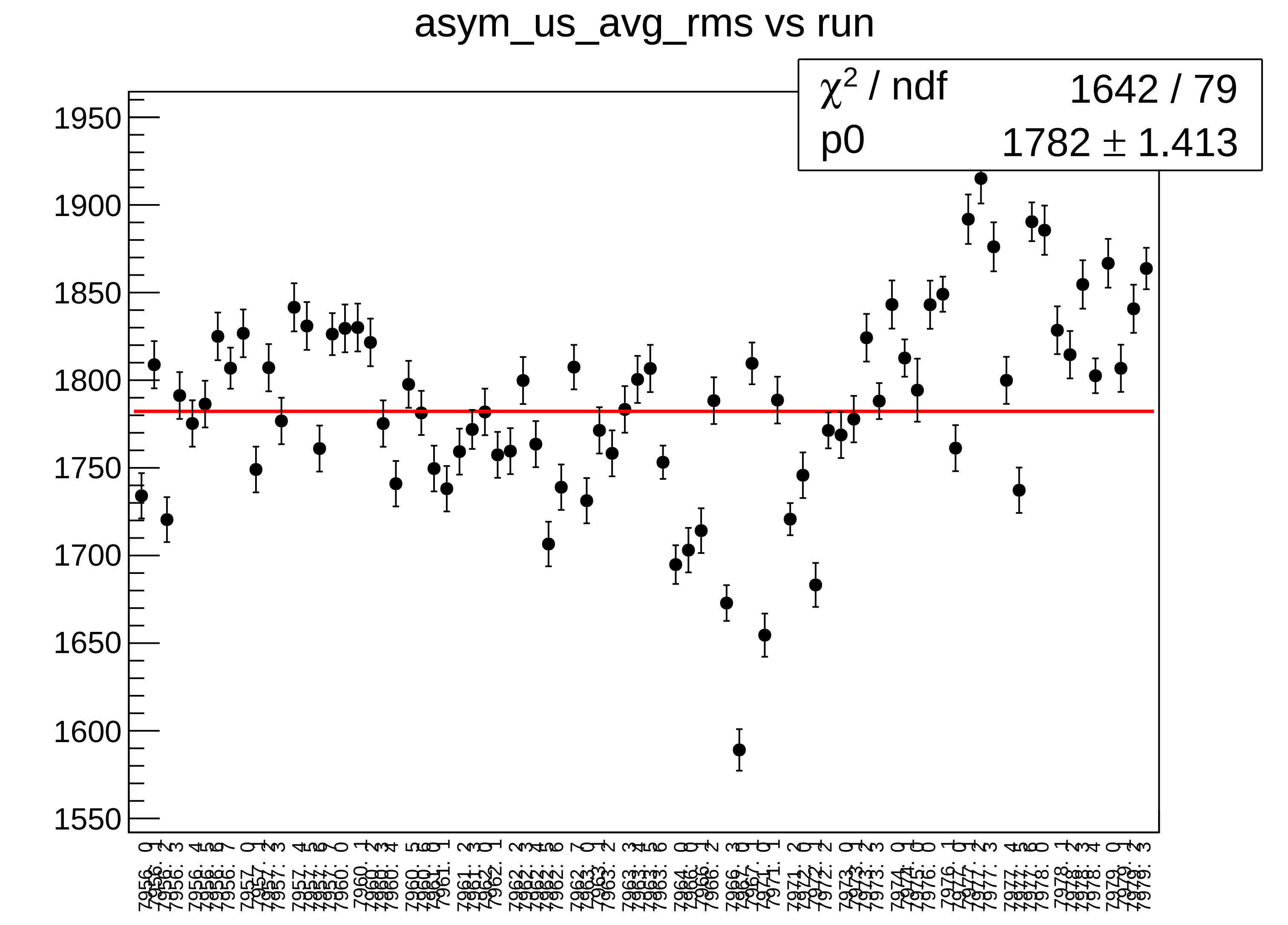

dit_asym_us_avg_rms vs run
χ2 / ndf 201 / 79
p0 770.4 ± 0.6106

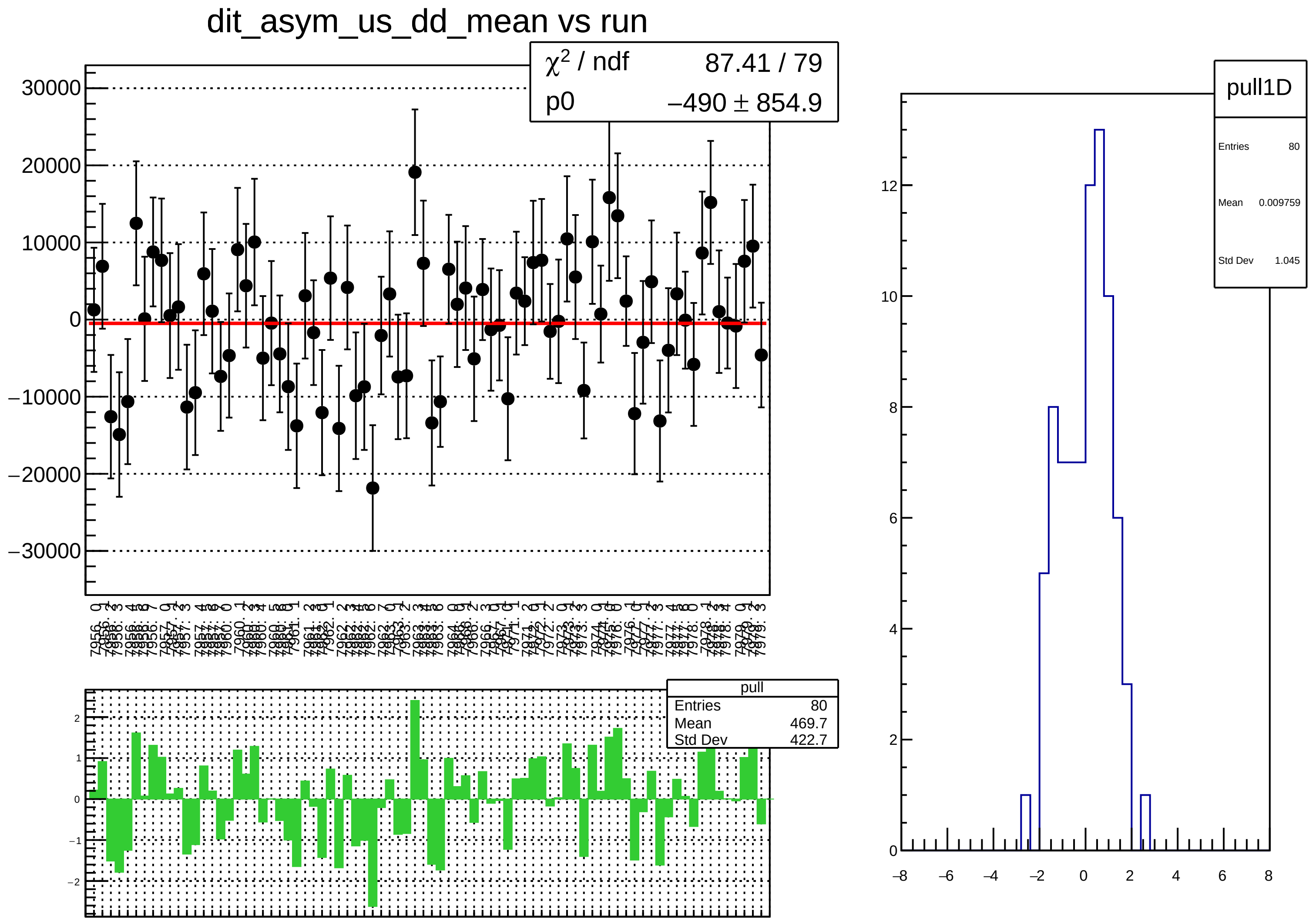


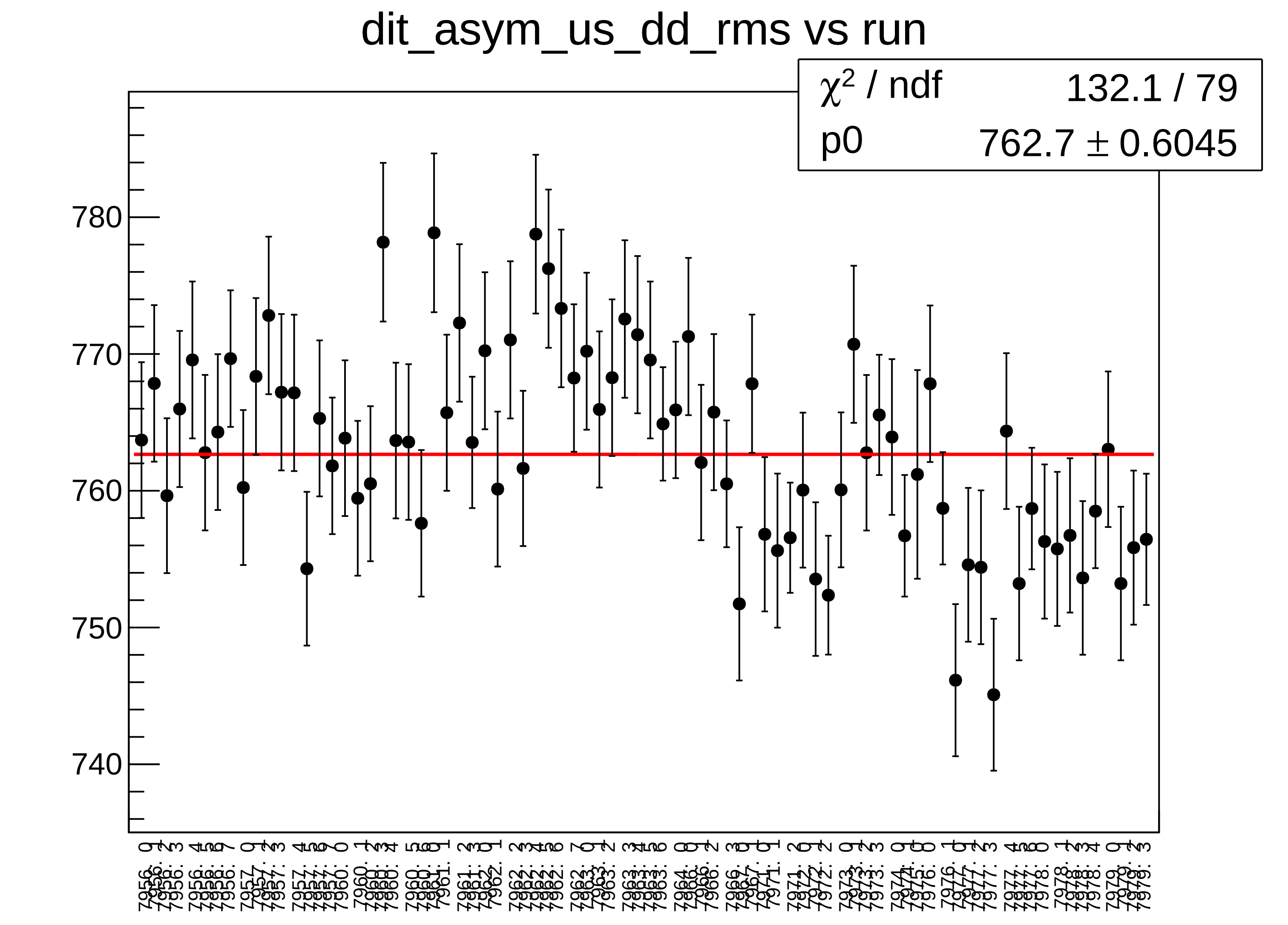
asym_us_avg_correction_mean vs run
χ^2 / ndf 81.88 / 79
p0 1043 ± 1798
pull
Entries 80
Mean 901.8
Std Dev 848.7
pull1D
Entries 80
Mean −0.003523
Std Dev 1.012

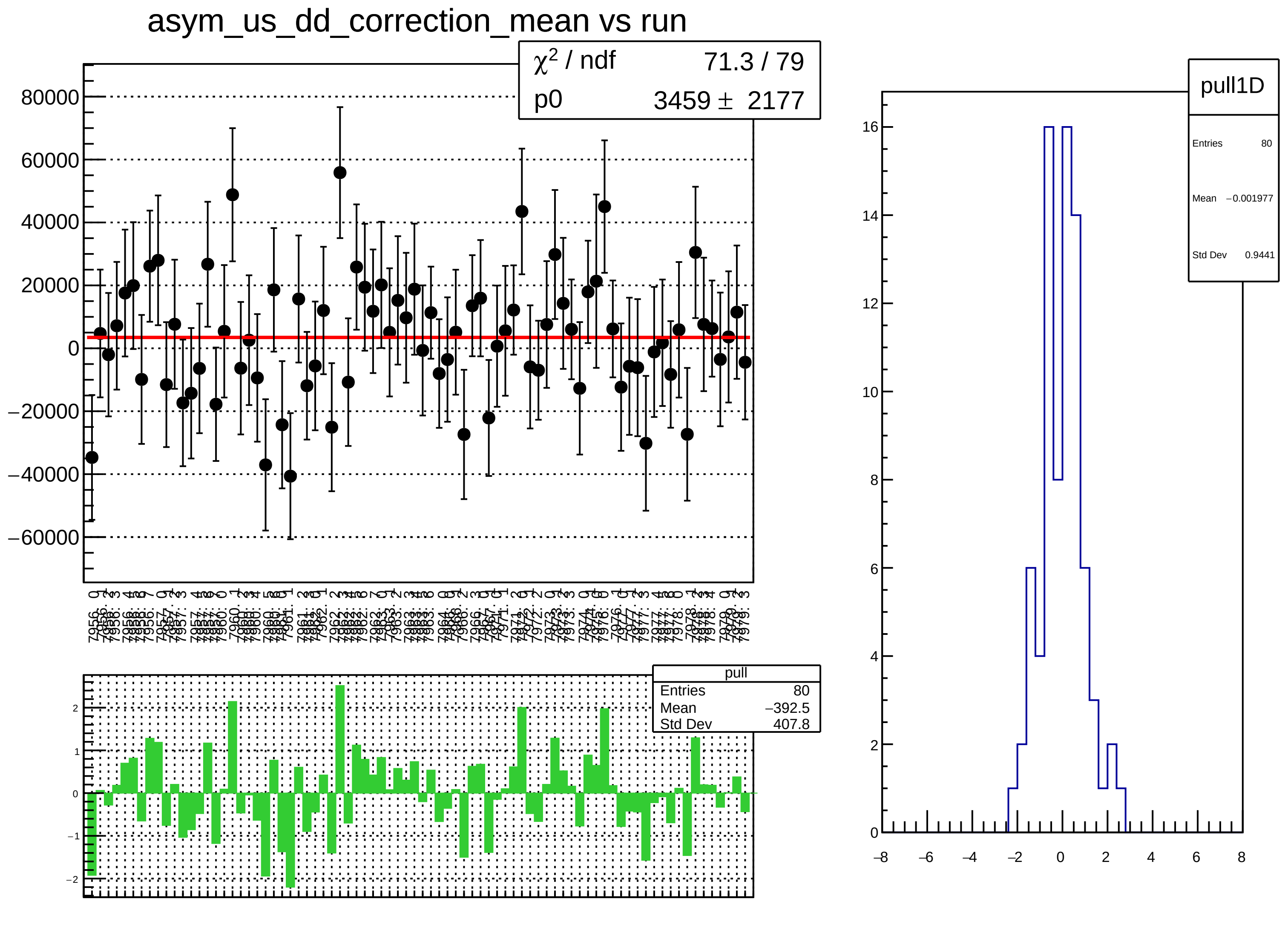

asym_us_avg_correction_rms vs run
χ^2 / ndf 2289 / 79
p0 1603 ± 1.271
1750
1700
1650
1600
1550
1500

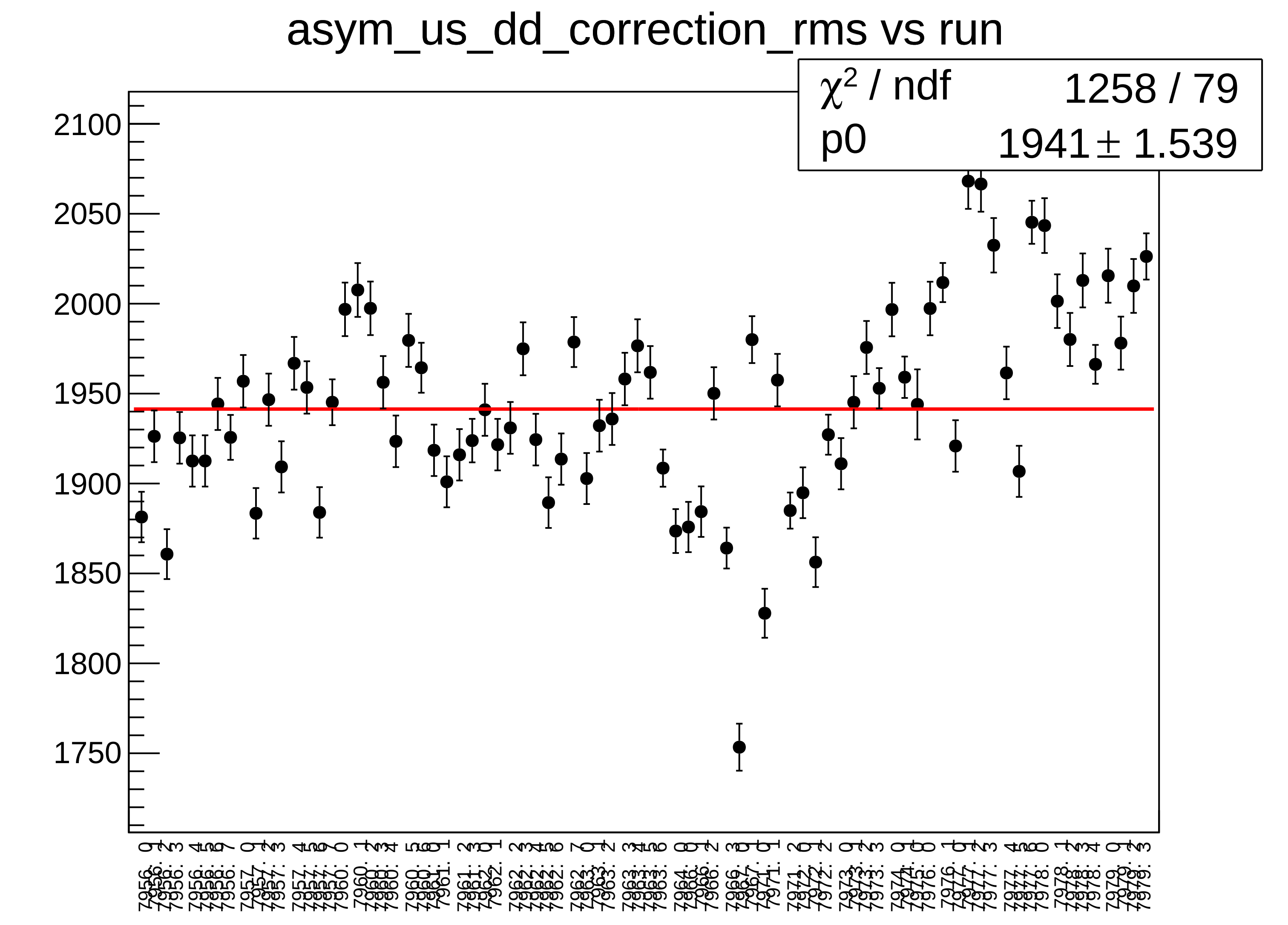

asym_us_avg_mean vs run
χ2 / ndf 73.13 / 79
p0 −4043 ± 1999
pull
Entries 80
Mean 140.8
Std Dev 45.4
pull1D
Entries 80
Mean 0.008764
Std Dev 0.9561


asym_us_avg_rms vs run
χ^2 / ndf 1642 / 79
p0 1782 ± 1.413

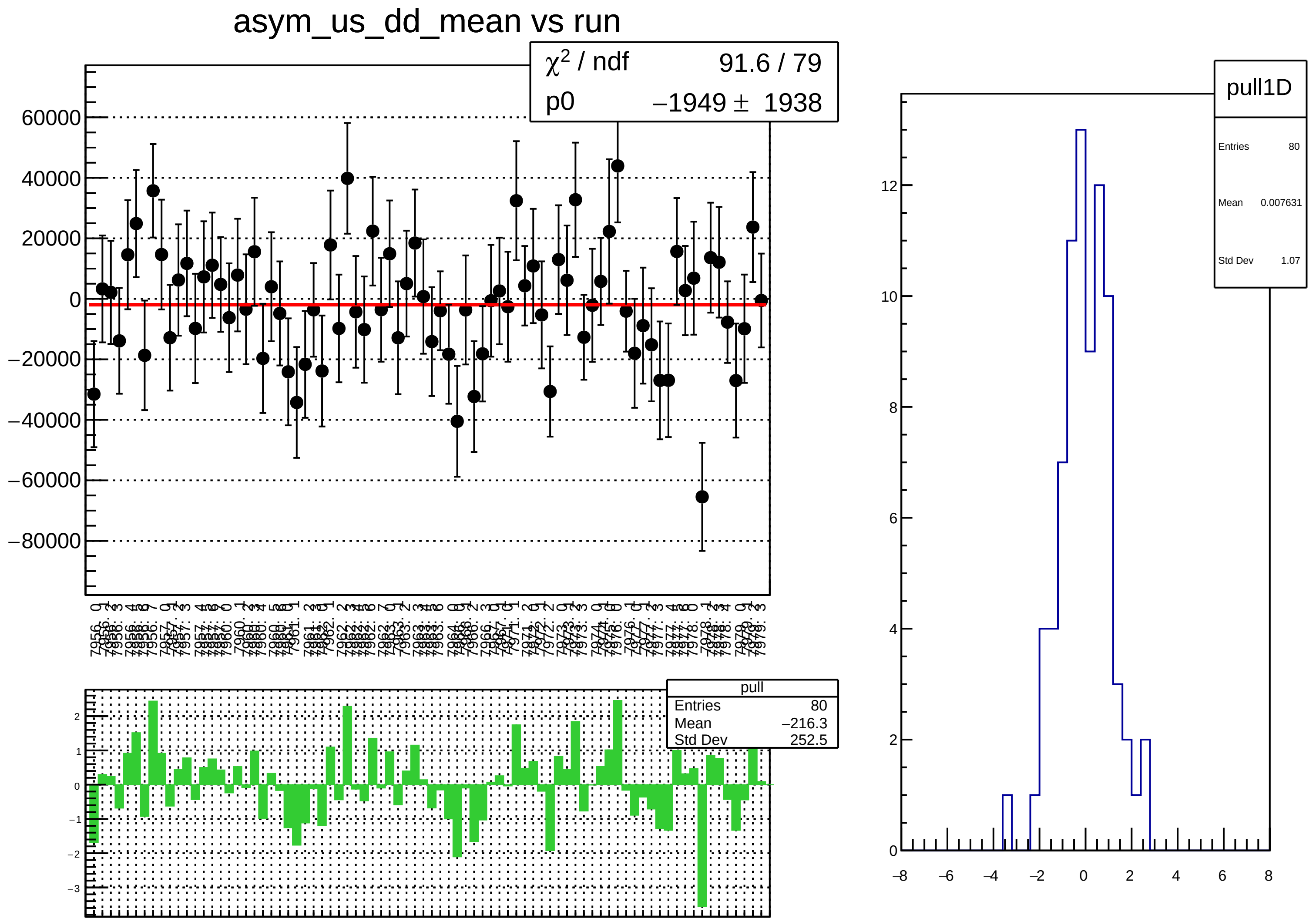

dit_asym_us_dd_mean vs run
χ2 / ndf 87.41 / 79
p0 −490 ± 854.9
pull
Entries 80
Mean 469.7
Std Dev 422.7
pull1D
Entries 80
Mean 0.009759
Std Dev 1.045

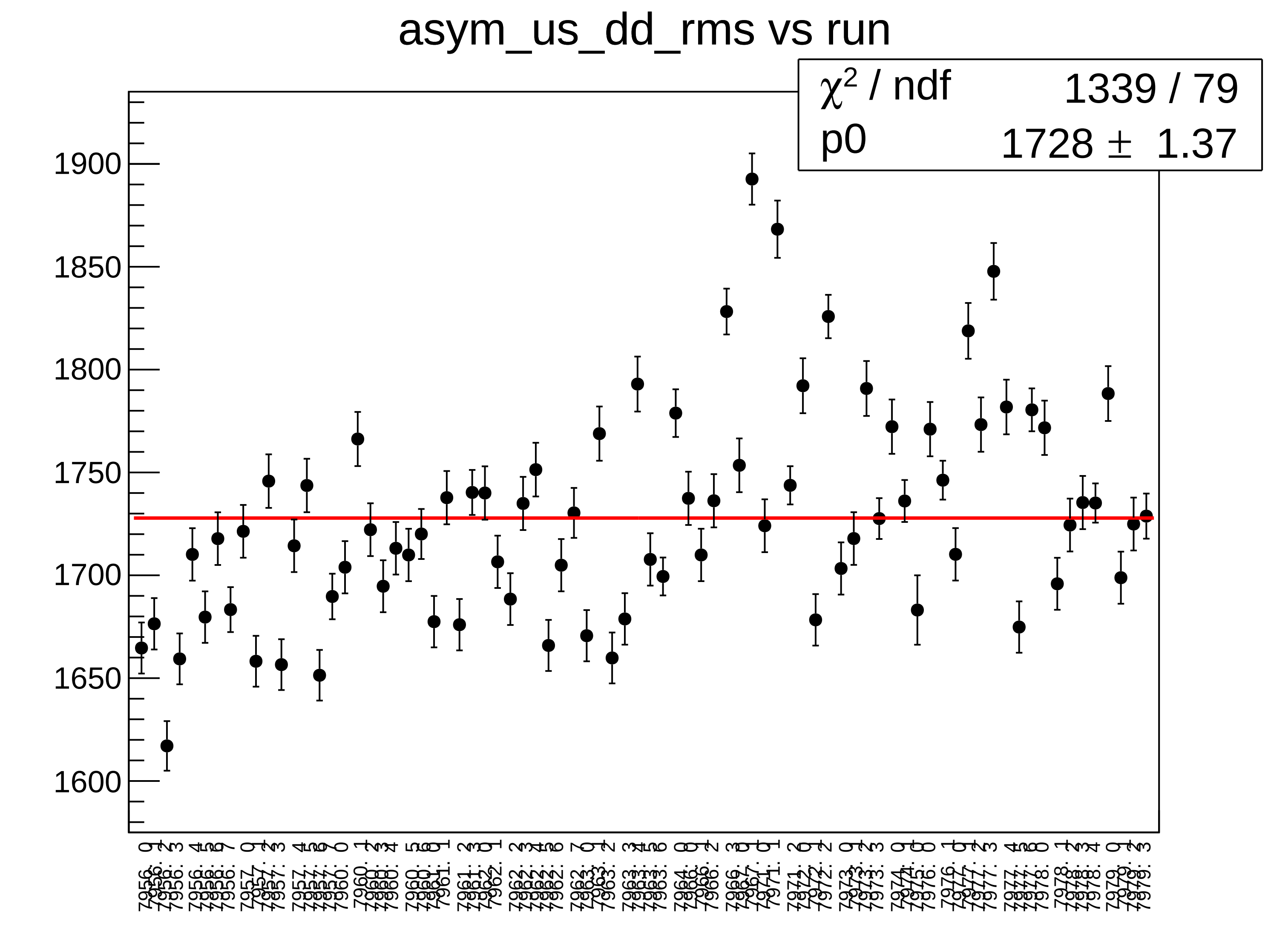

dit_asym_us_dd_rms vs run
χ^2 / ndf 132.1 / 79
p0 762.7 ± 0.6045
780
770
760
750
740

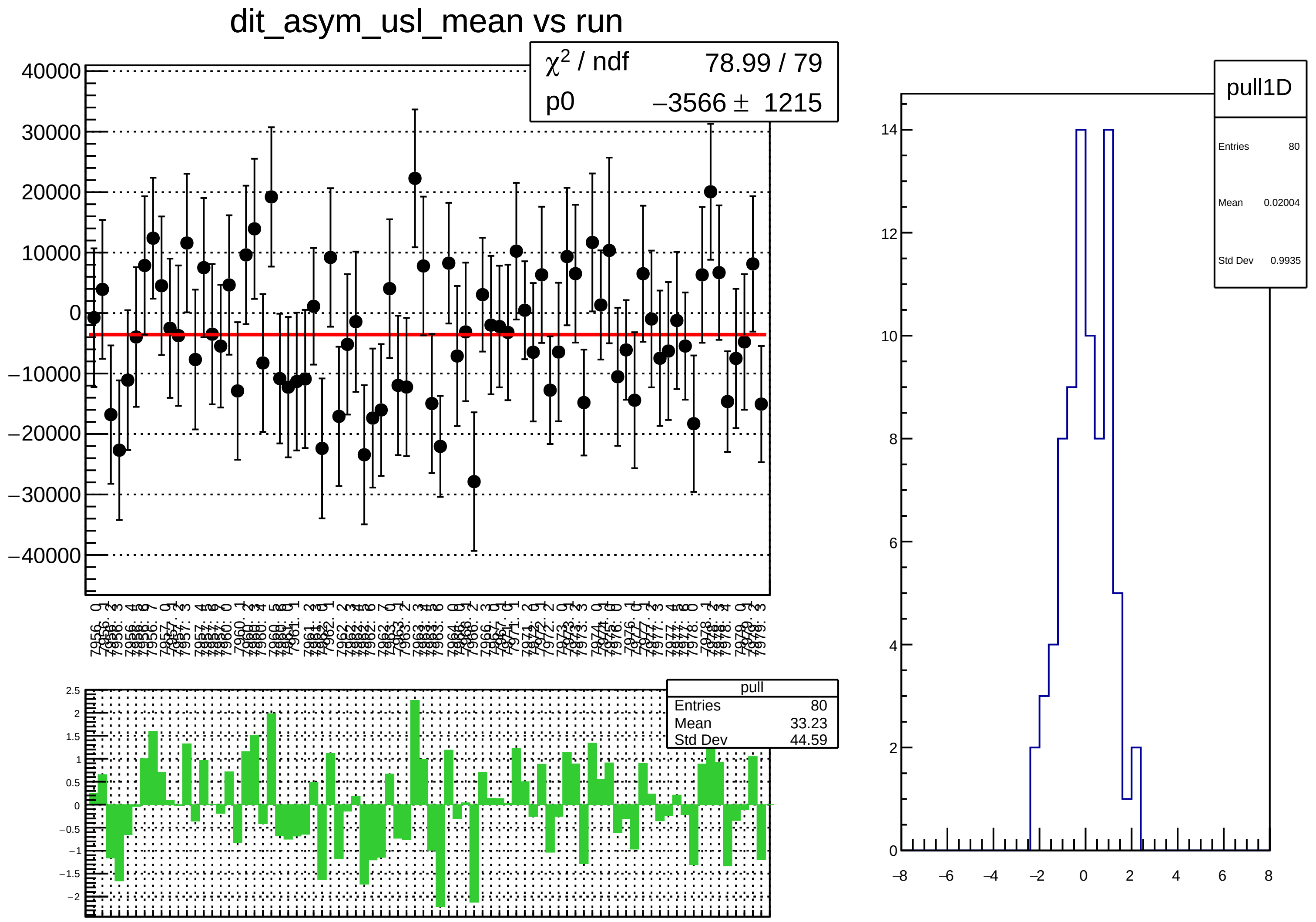

asym_us_dd_correction_mean vs run
χ2 / ndf 71.3 / 79
p0 3459 ± 2177
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −392.5
Std Dev 407.8
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.001977
Std Dev 0.9441
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



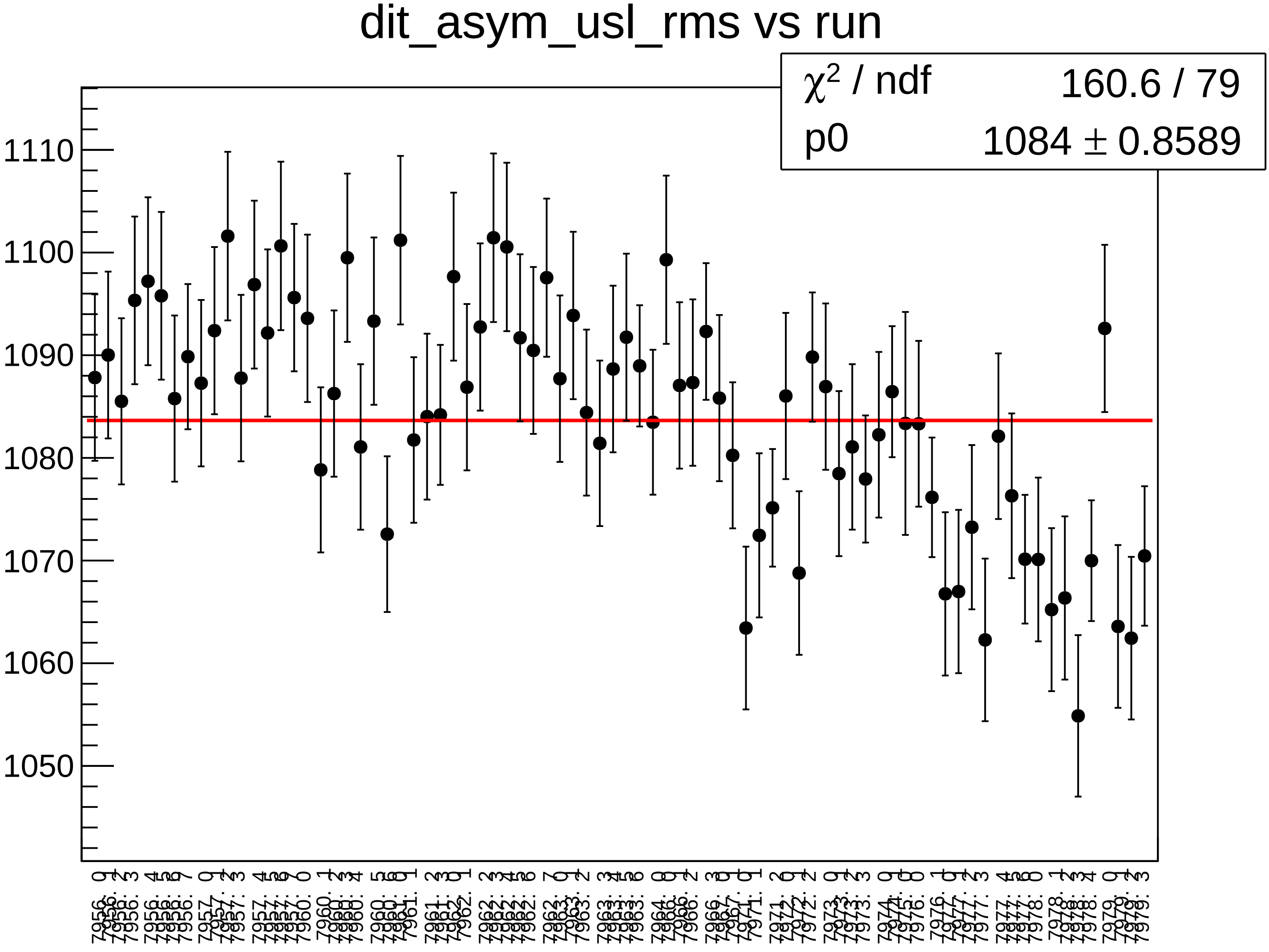
asym_us_dd_correction_rms vs run
χ^2 / ndf 1258 / 79
p0 1941 ± 1.539
2100
2050
2000
1950
1900
1850
1800
1750


asym_us_dd_mean vs run
χ^2 / ndf 91.6 / 79
p0 −1949 ± 1938
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −216.3
Std Dev 252.5
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.007631
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

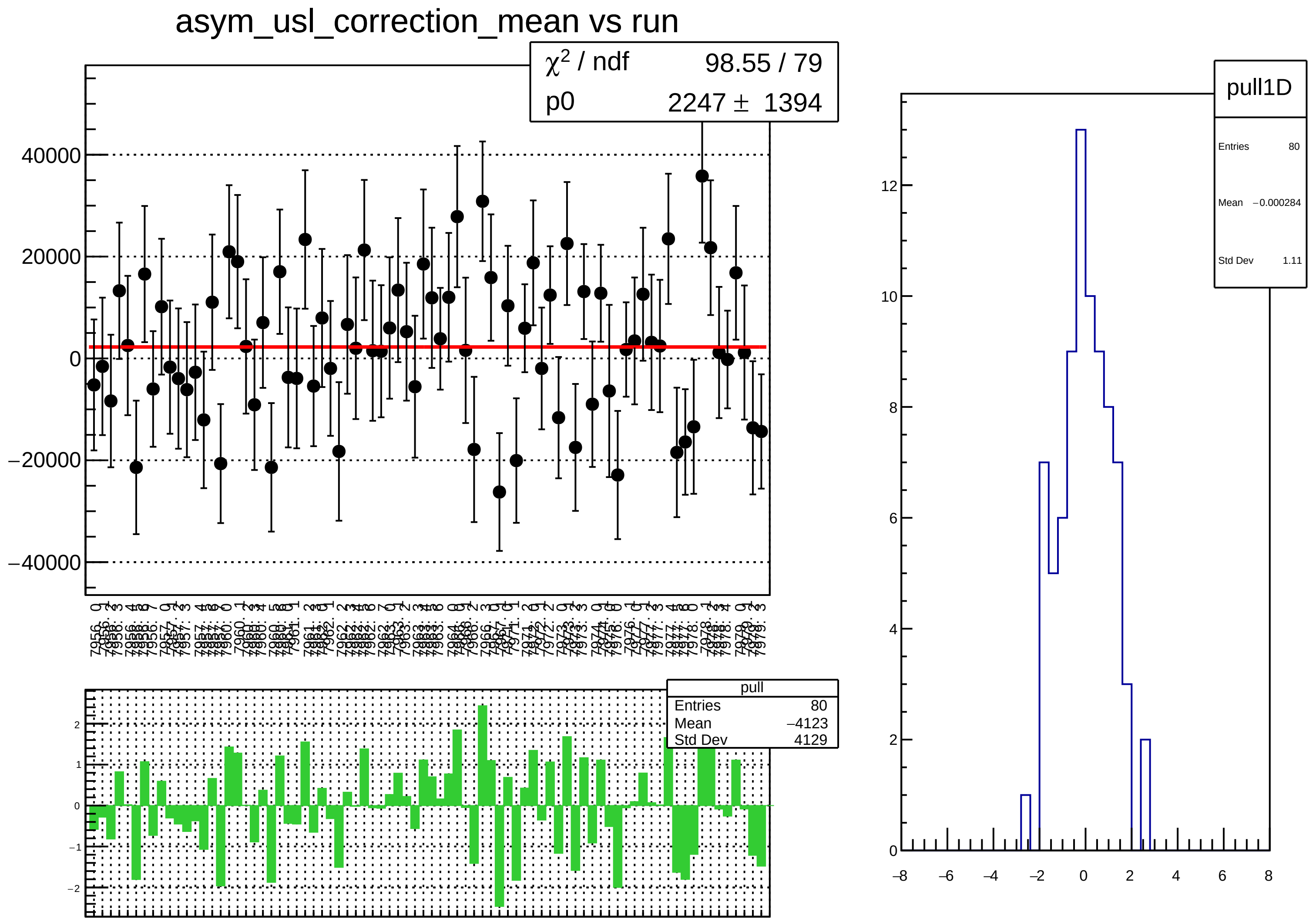

asym_us_dd_rms vs run
χ2 / ndf 1339 / 79
p0 1728 ± 1.37
1900
1850
1800
1750
1700
1650
1600



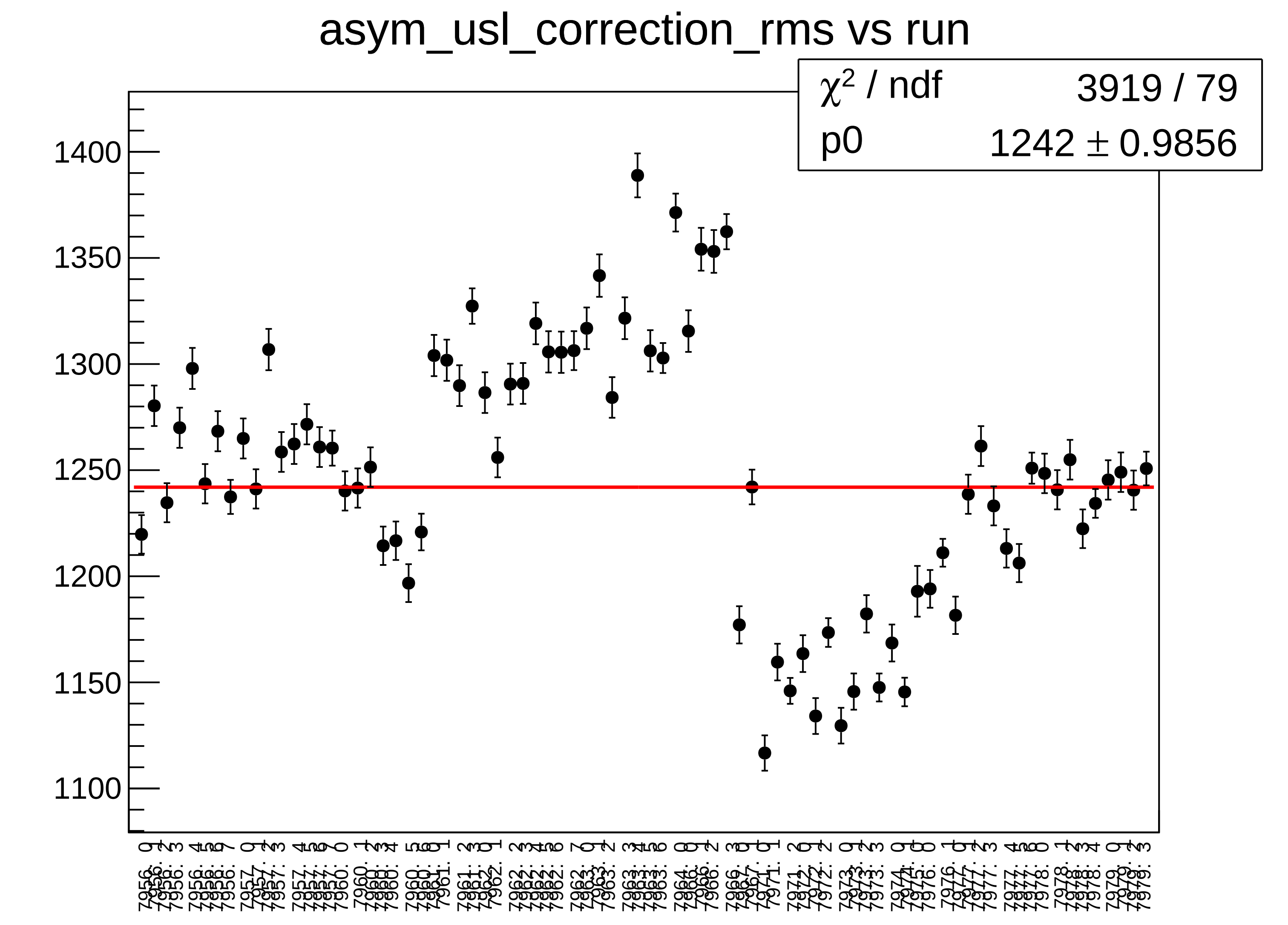
dit_asym_usl_mean vs run
χ^2 / ndf 78.99 / 79
p0 −3566 ± 1215
pull
Entries 80
Mean 33.23
Std Dev 44.59
pull1D
Entries 80
Mean 0.02004
Std Dev 0.9935

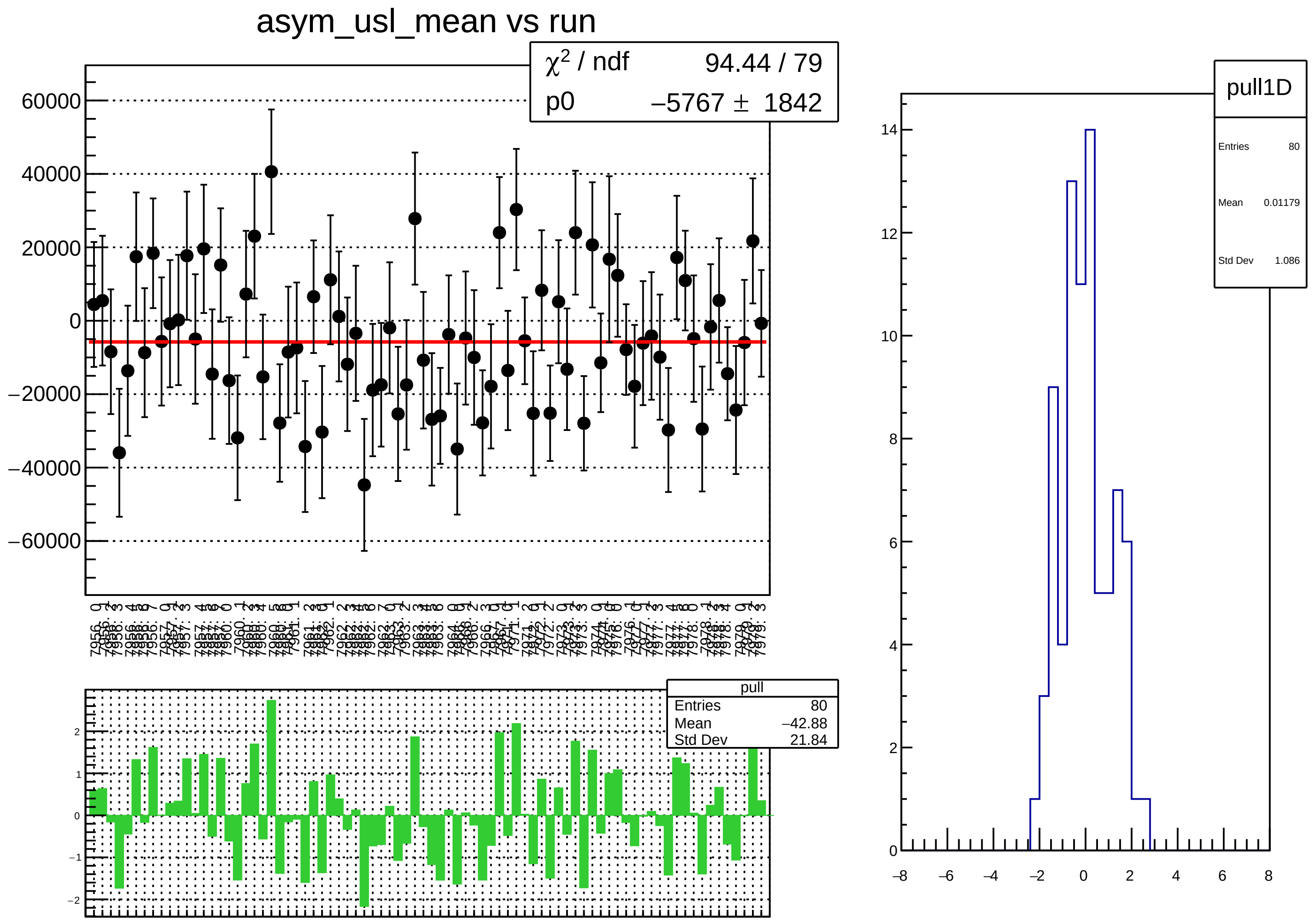


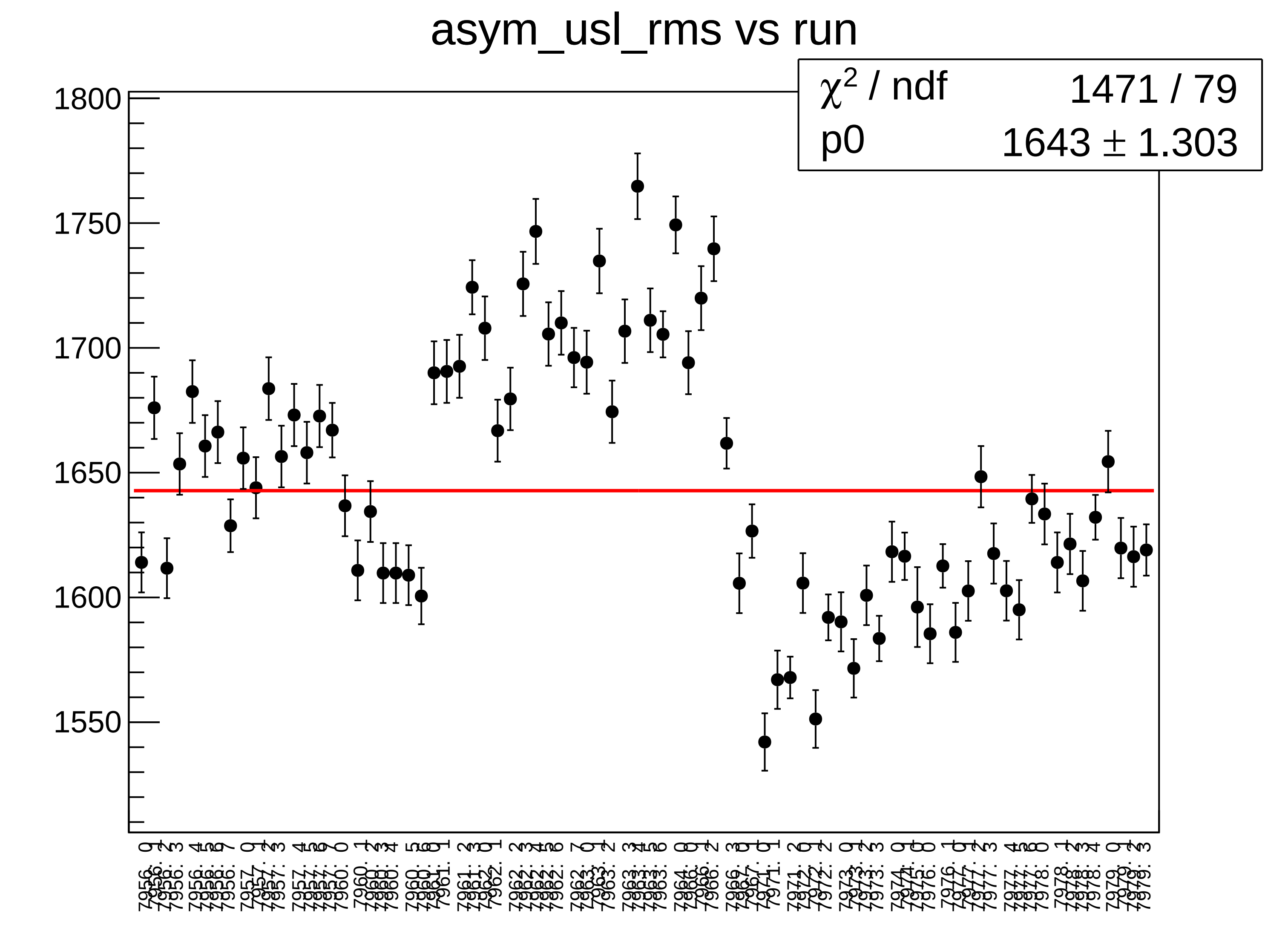
dit_asym_usl_rms vs run
χ² / ndf 160.6 / 79
p0 1084 ± 0.8589
1110
1100
1090
1080
1070
1060
1050



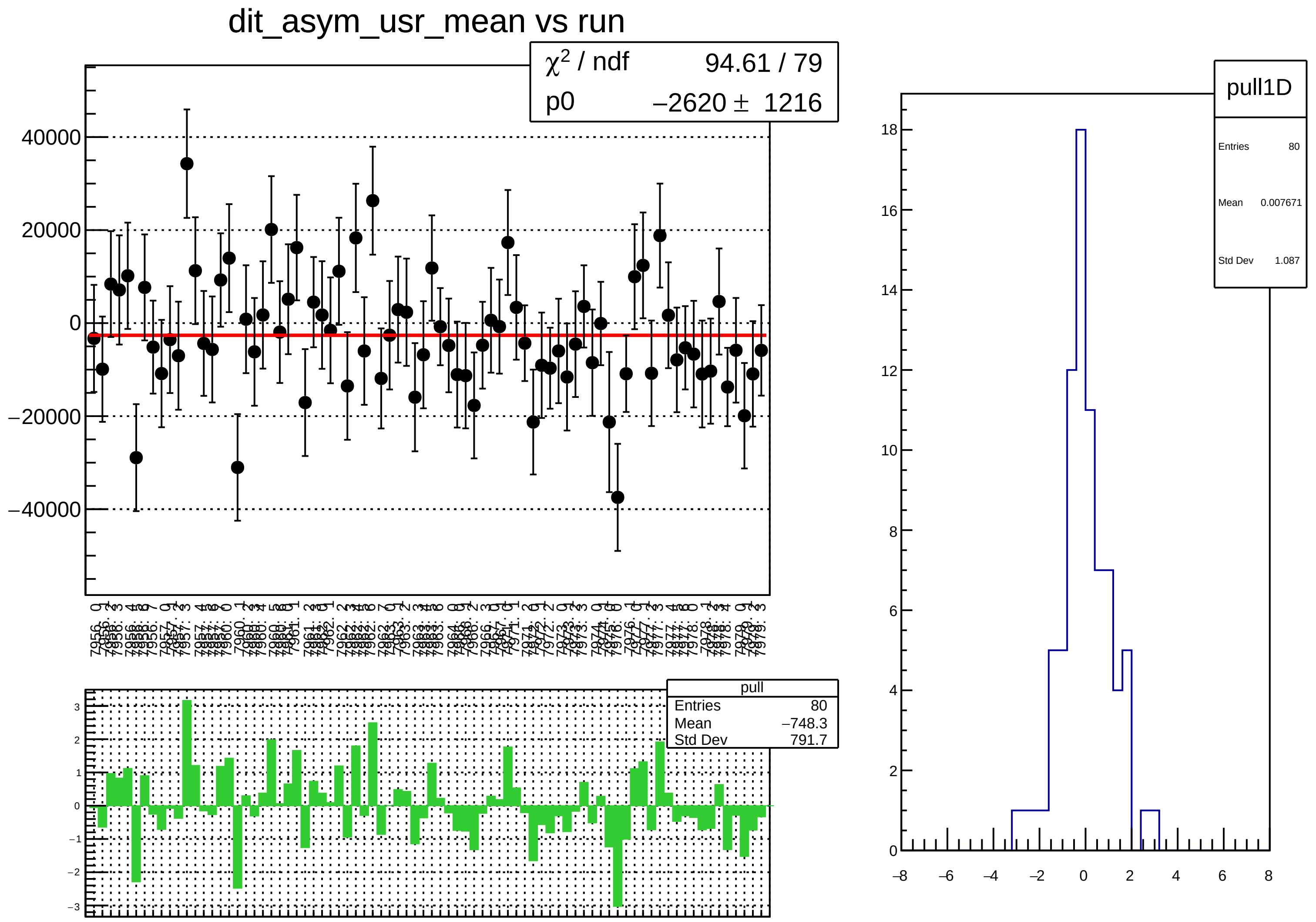
asym_usl_correction_mean vs run
χ^2 / ndf 98.55 / 79
p0 2247 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −4123
Std Dev 4129
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.000284
Std Dev 1.11
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_correction_rms vs run
χ^2 / ndf 3919 / 79
p0 1242 ± 0.9856
1400
1350
1300
1250
1200
1150
1100

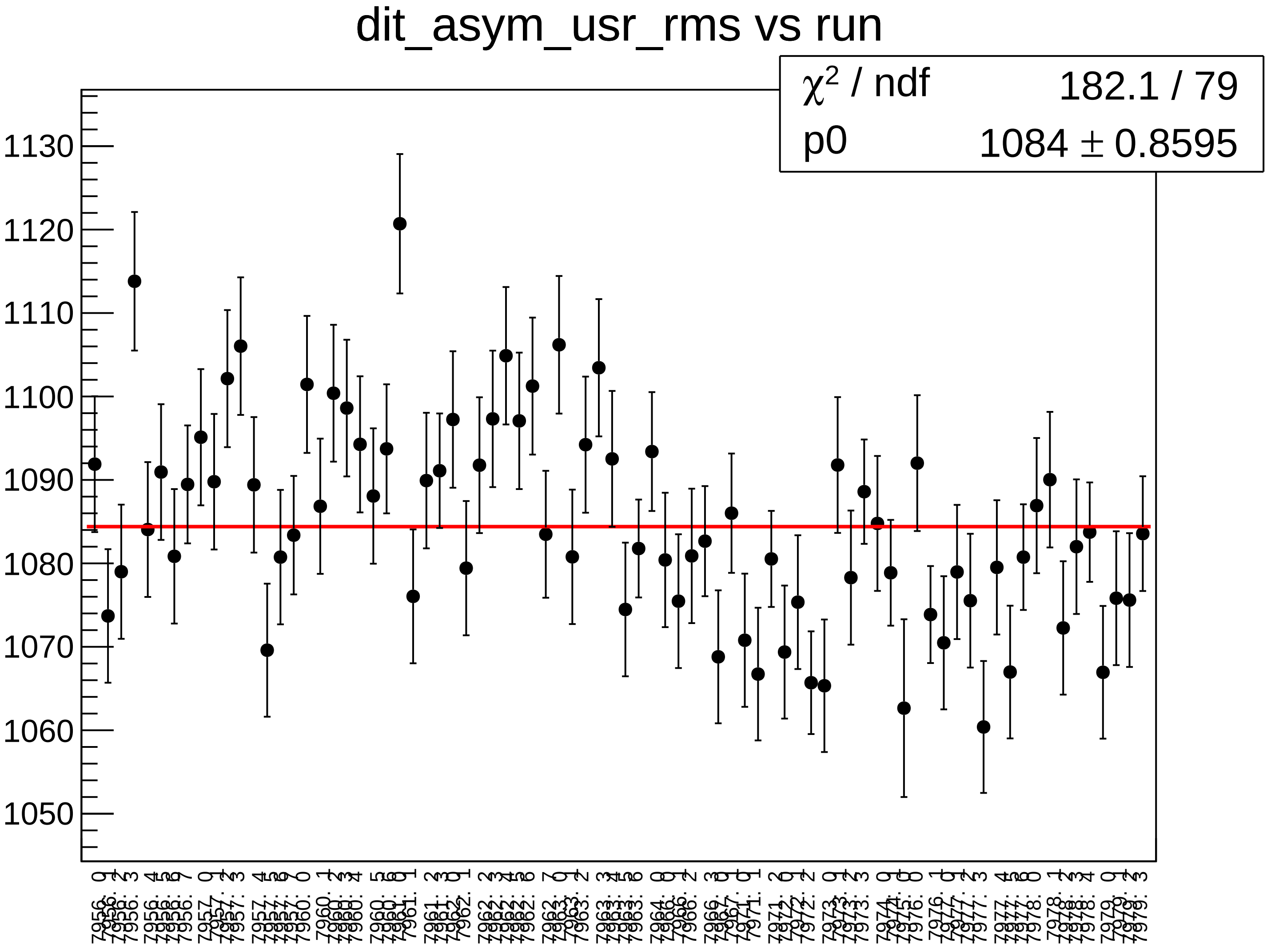

asym_usl_mean vs run
χ^2 / ndf 94.44 / 79
p0 −5767 ± 1842
pull
Entries 80
Mean −42.88
Std Dev 21.84
pull1D
Entries 80
Mean 0.01179
Std Dev 1.086

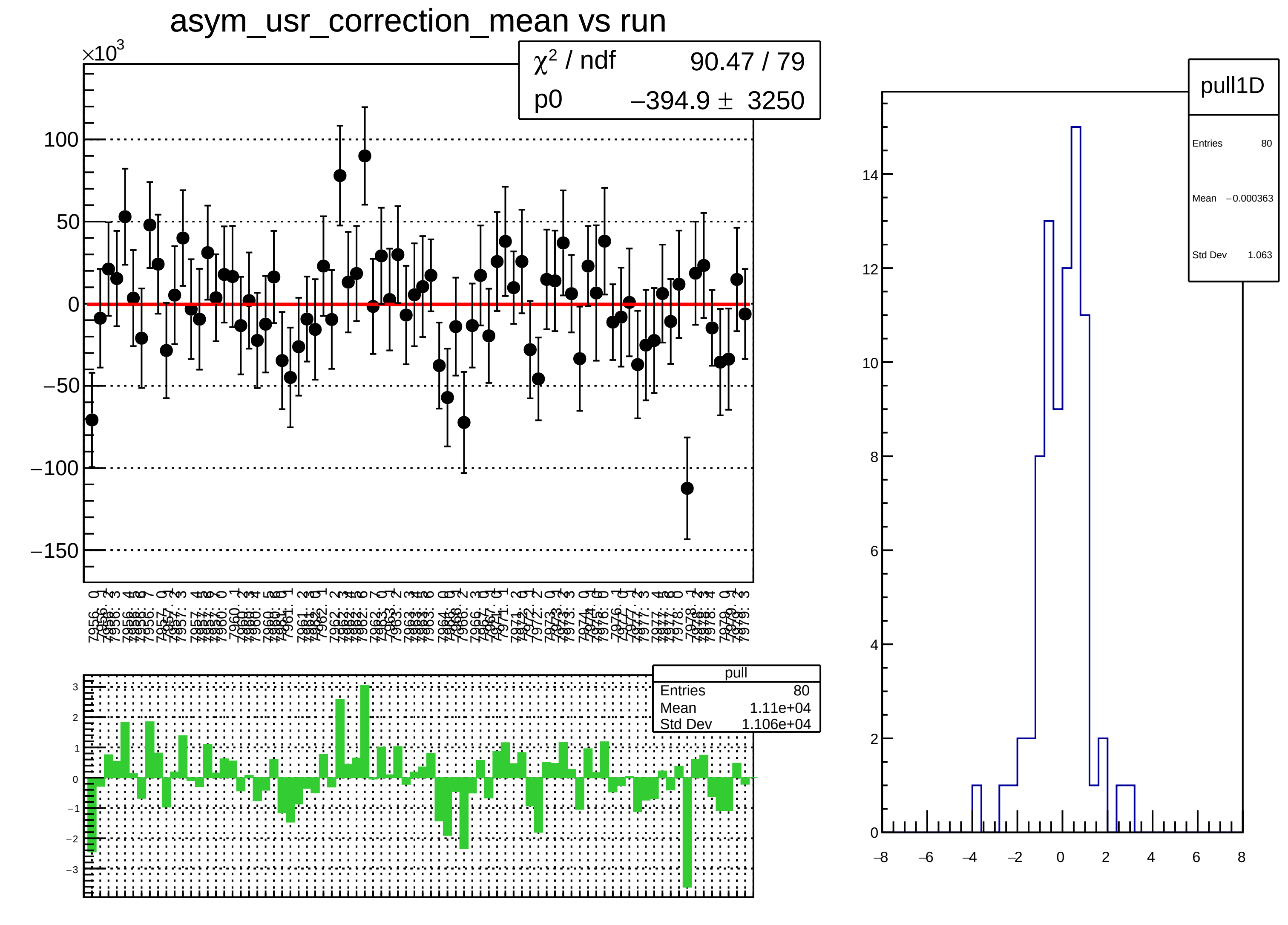


asym_usl_rms vs run
χ^2 / ndf 1471 / 79
p0 1643 ± 1.303
1800
1750
1700
1650
1600
1550



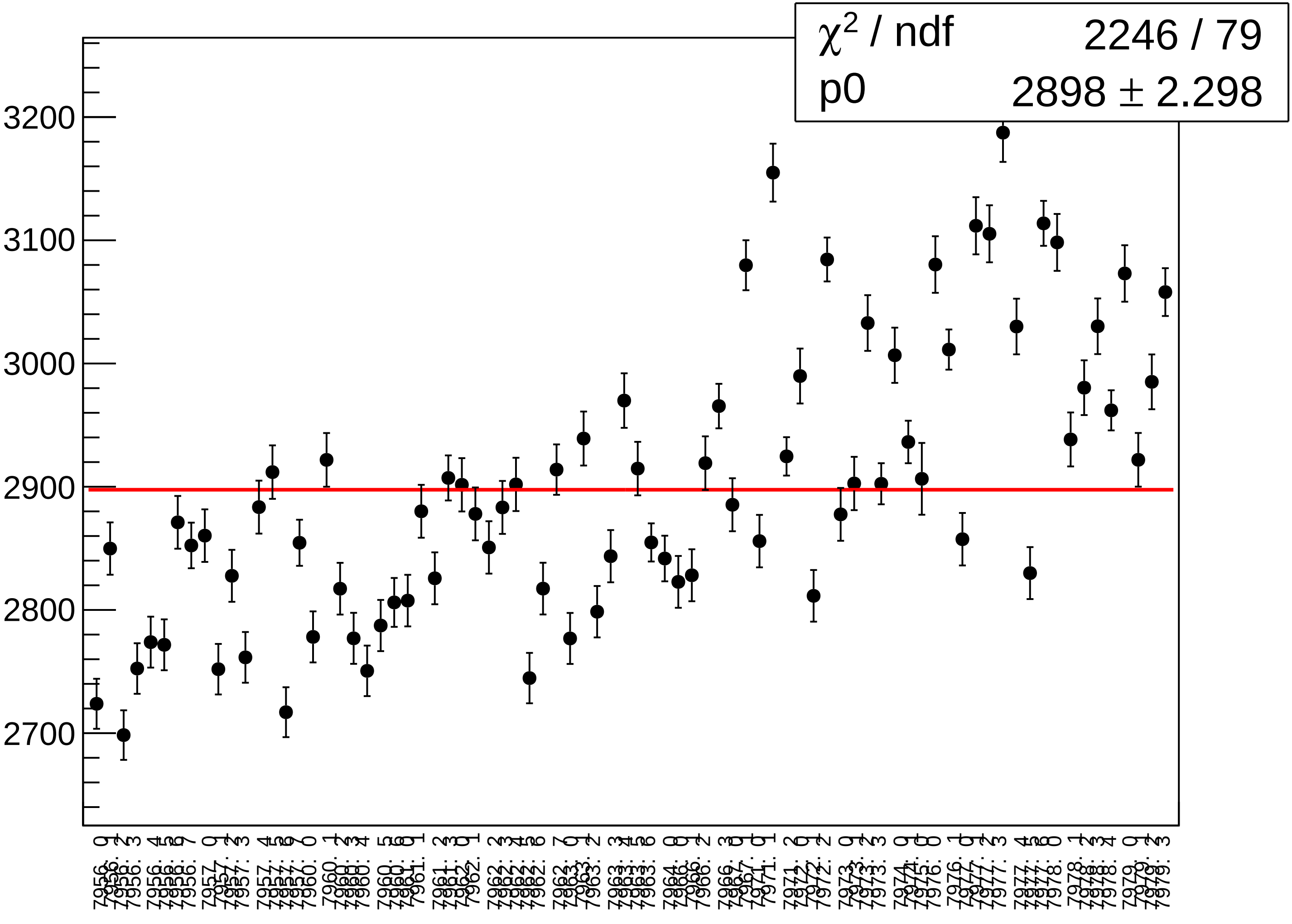
dit_asym_usr_mean vs run
χ^2 / ndf 94.61 / 79
p0 −2620 ± 1216
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −748.3
Std Dev 791.7
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.007671
Std Dev 1.087
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

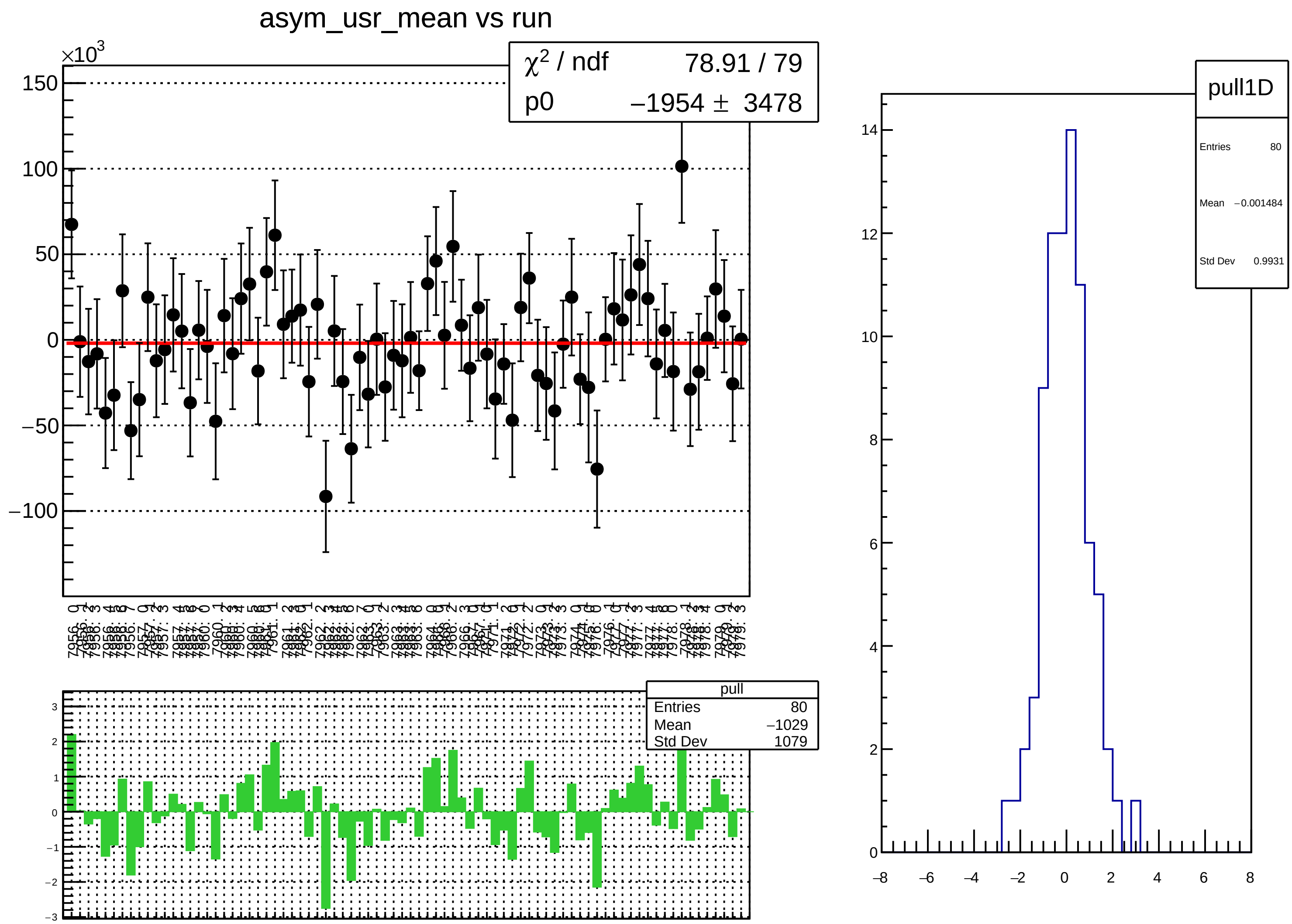

dit_asym_usr_rms vs run
χ^2 / ndf 182.1 / 79
p0 1084 ± 0.8595
1130
1120
1110
1100
1090
1080
1070
1060
1050



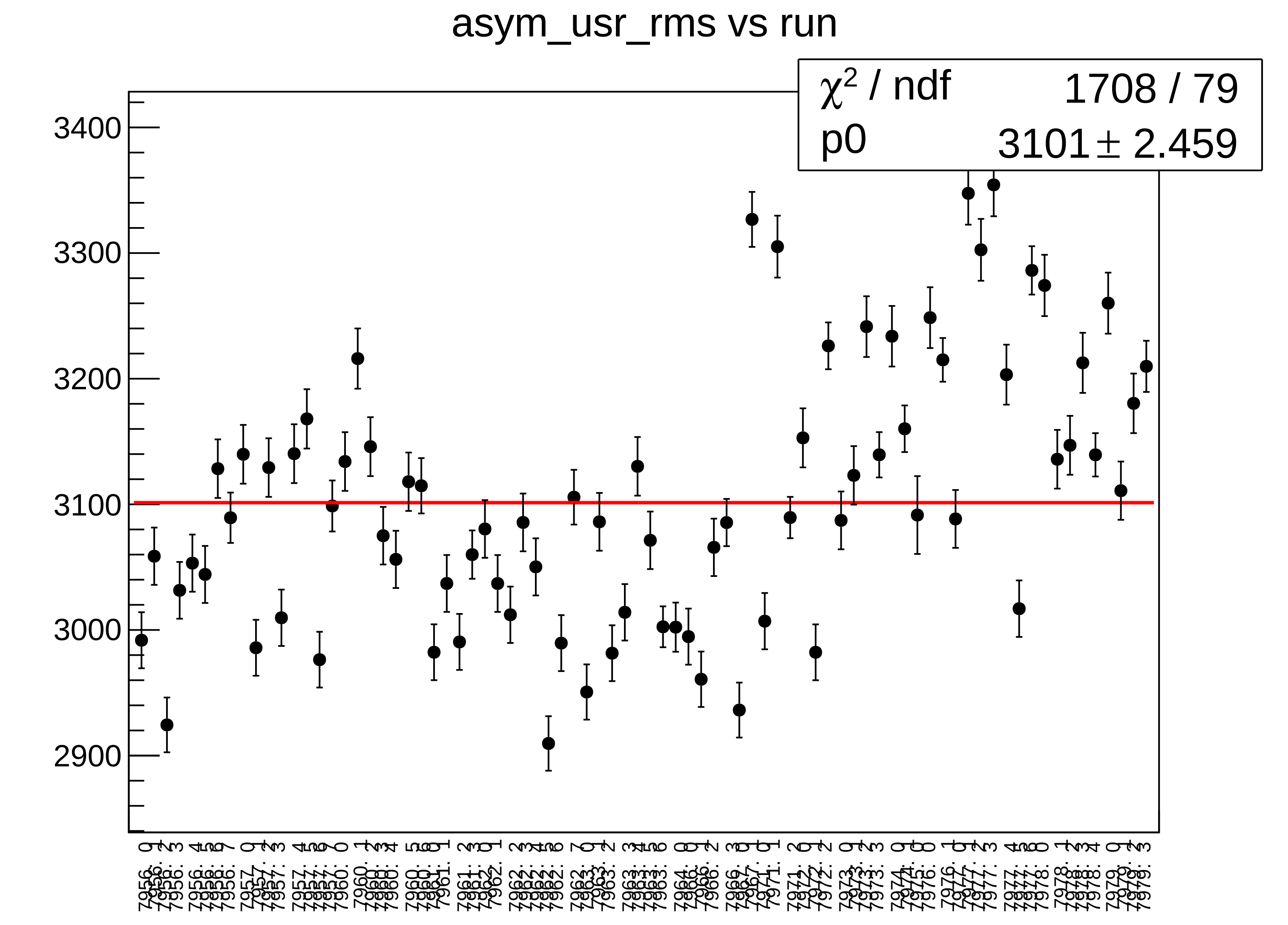
asym_usr_correction_mean vs run
×10^3
χ² / ndf 90.47 / 79
p0 −394.9 ± 3250
100
50
0
−50
−100
−150
pull
Entries 80
Mean 1.11e+04
Std Dev 1.106e+04
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.000363
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usr_correction_rms vs run

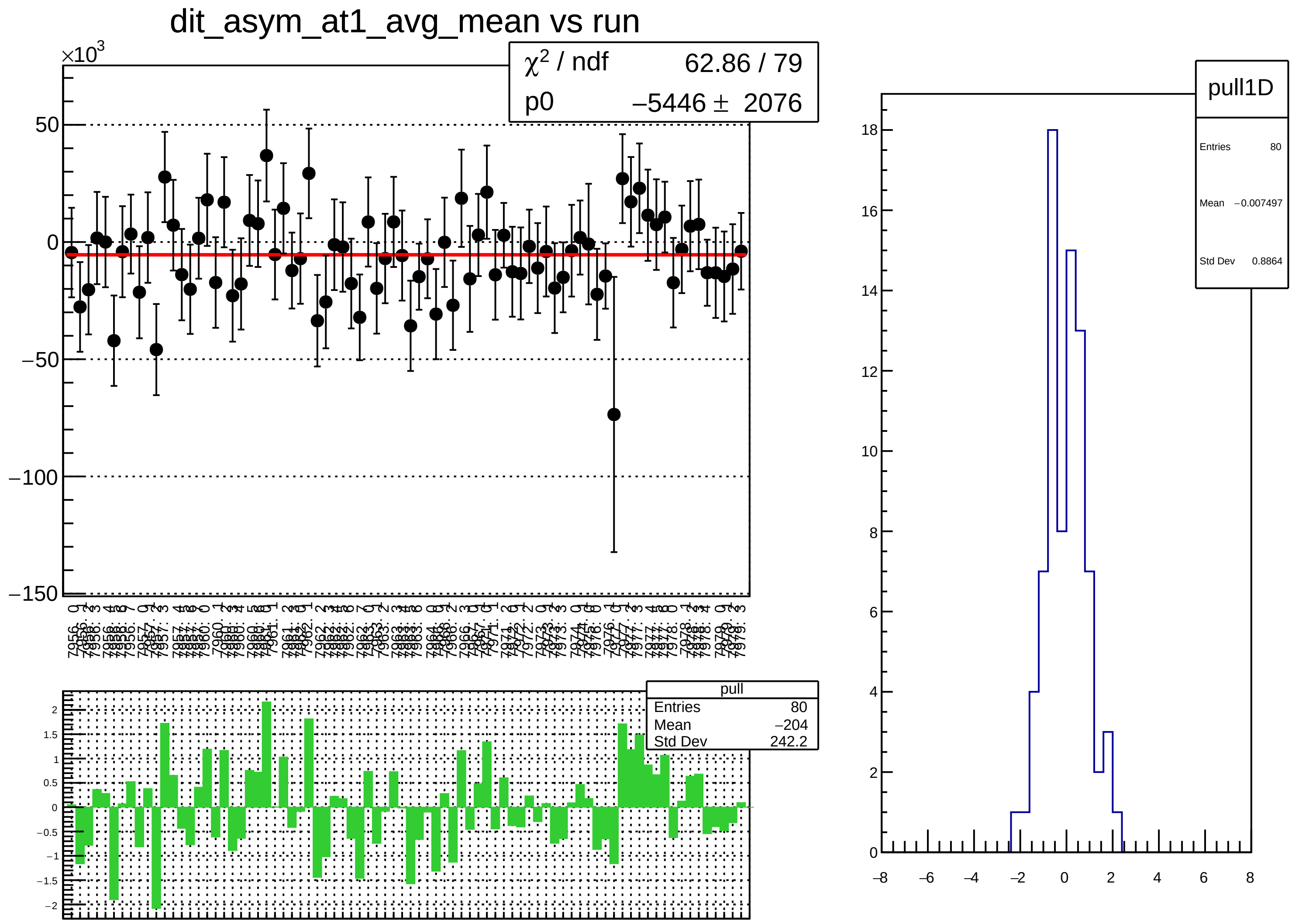




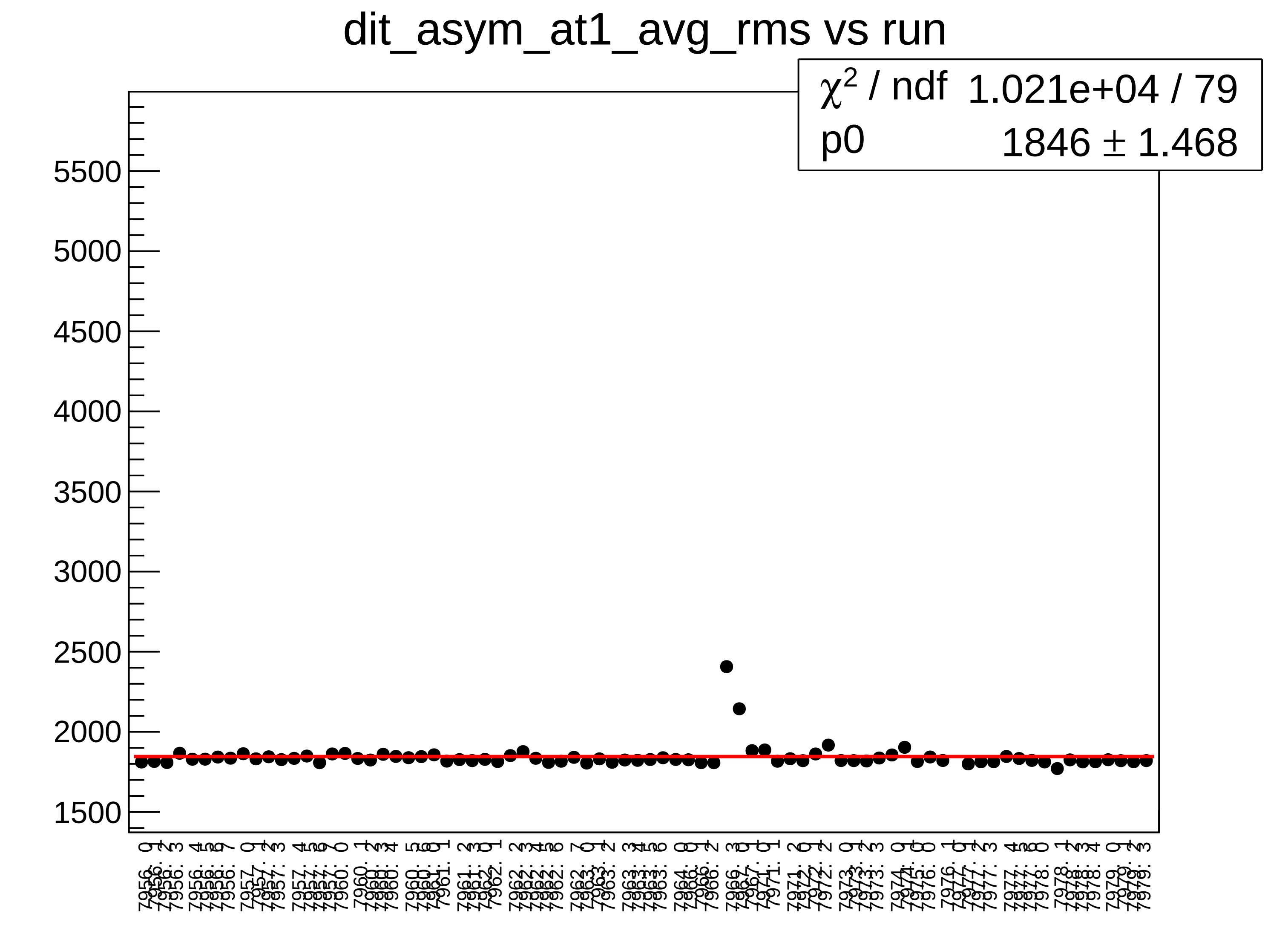
asym_usr_mean vs run
×10^3
χ^2 / ndf 78.91 / 79
p0 −1954 ± 3478
150
100
50
0
−50
−100
pull
Entries 80
Mean −1029
Std Dev 1079
pull1D
Entries 80
Mean −0.001484
Std Dev 0.9931



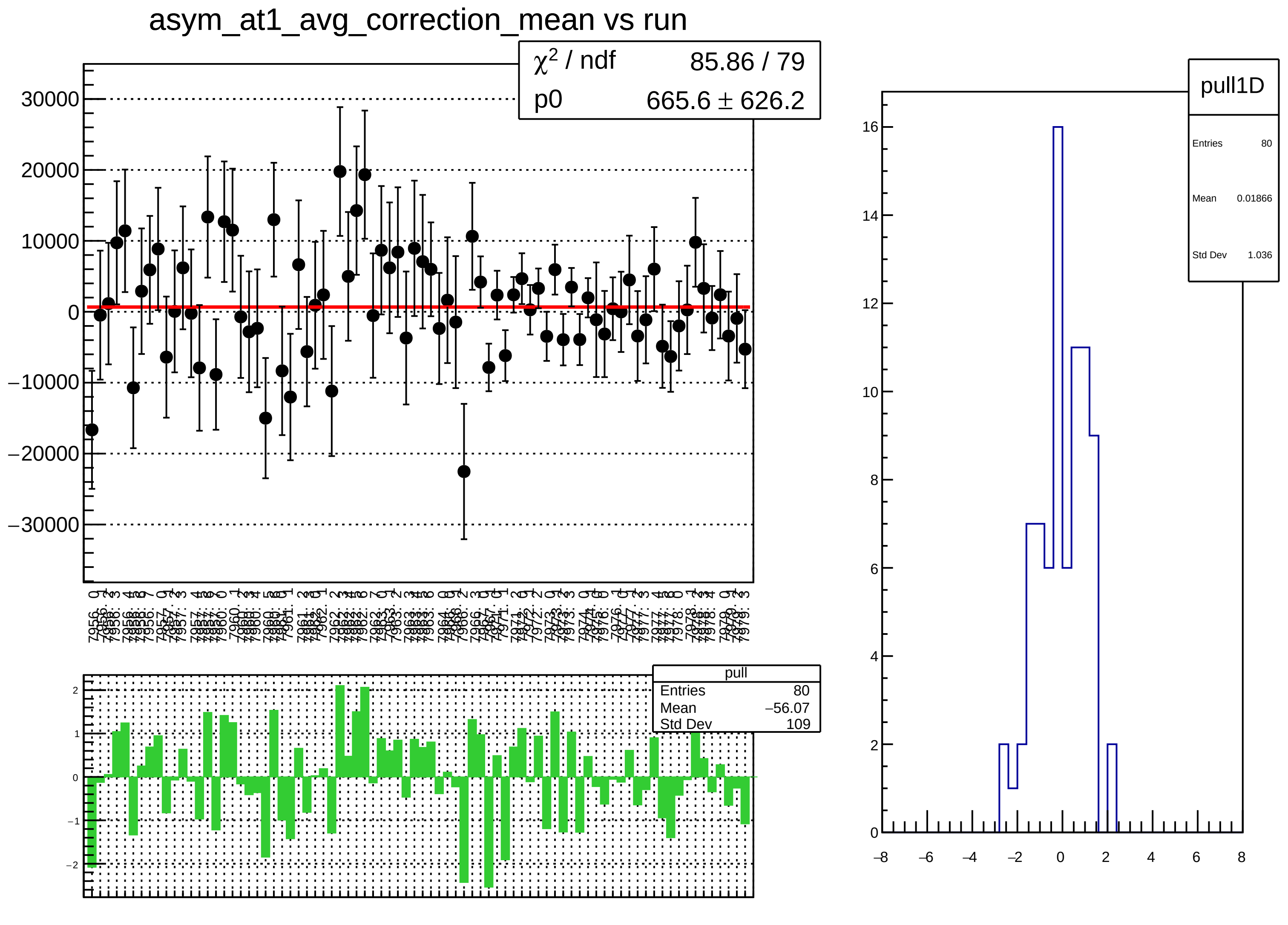
asym_usr_rms vs run
χ² / ndf 1708 / 79
p0 3101 ± 2.459
3400
3300
3200
3100
3000
2900



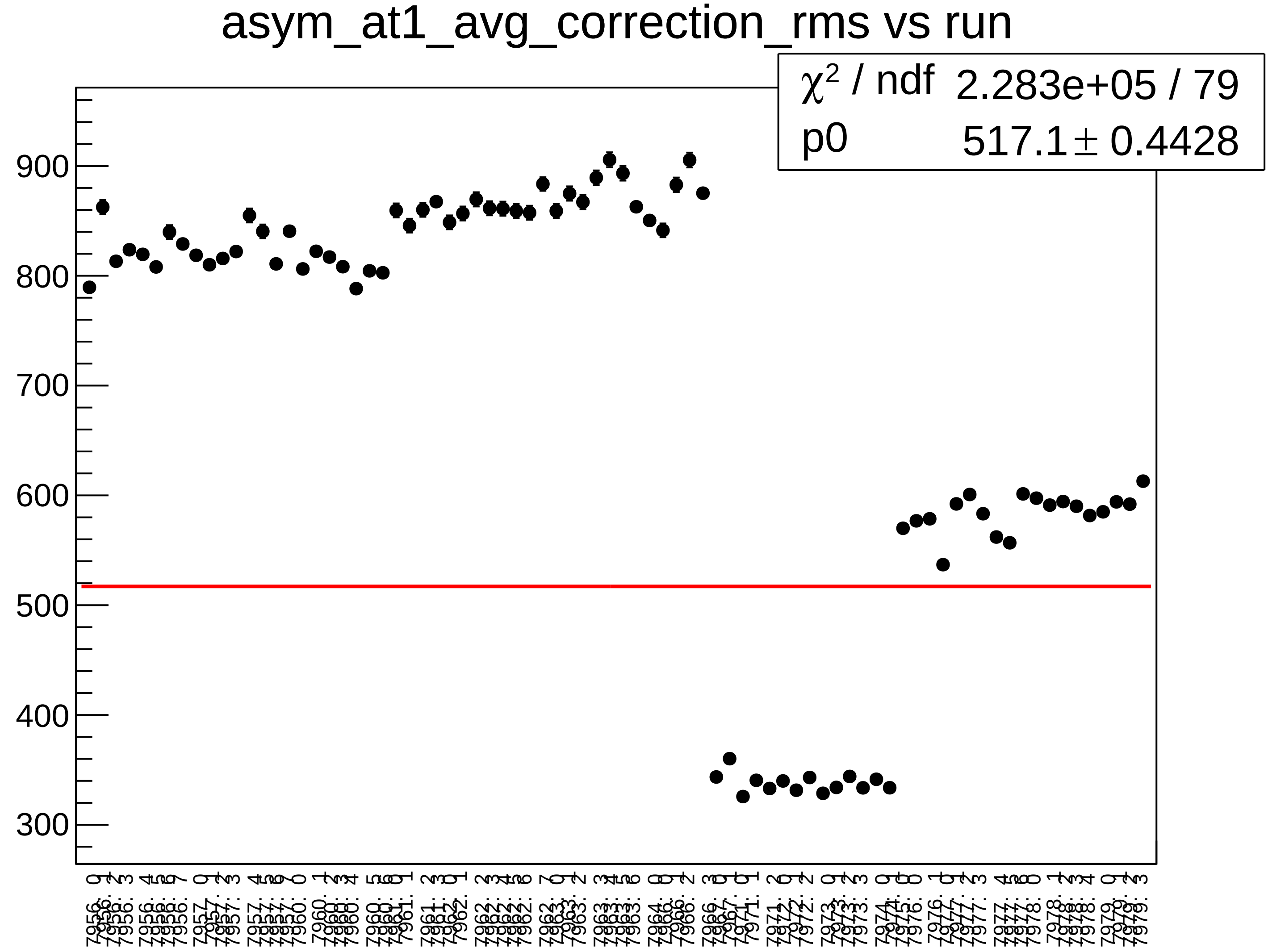
dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 62.86 / 79
p0 −5446 ± 2076
50
0
−50
−100
−150
pull
Entries 80
Mean −204
Std Dev 242.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −0.007497
Std Dev 0.8864
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

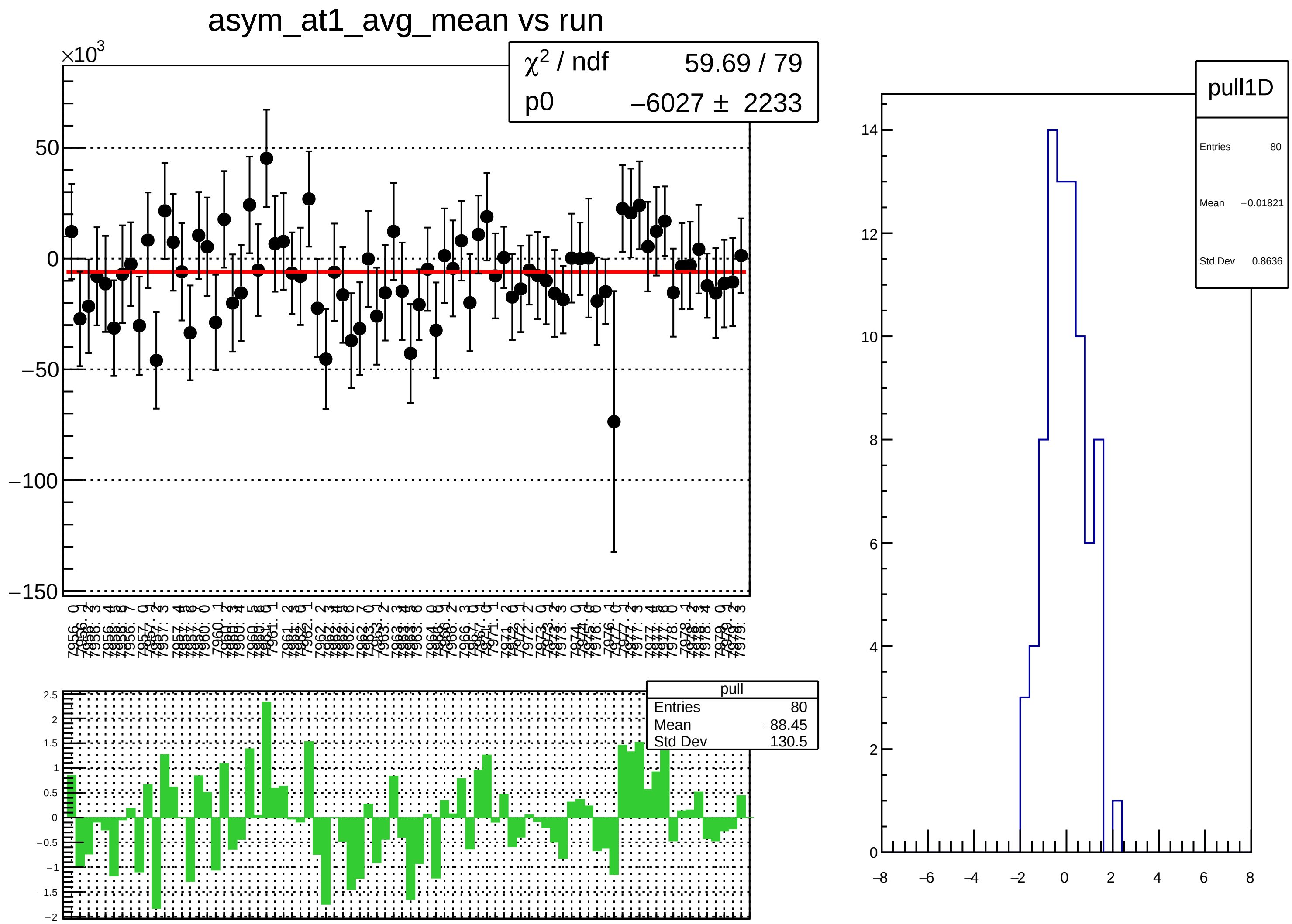


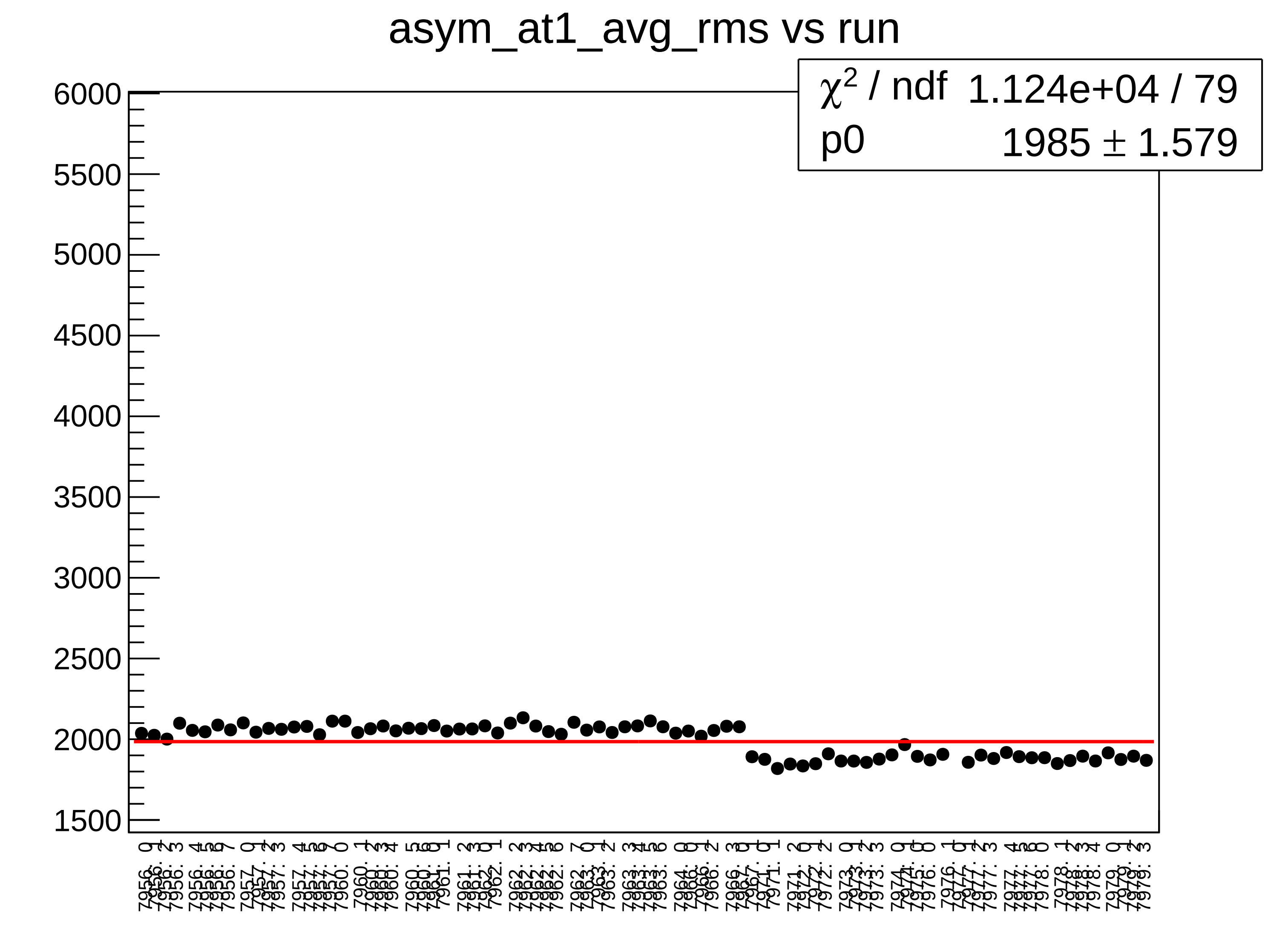
dit_asym_at1_avg_rms vs run
χ2 / ndf 1.021e+04 / 79
p0 1846 ± 1.468



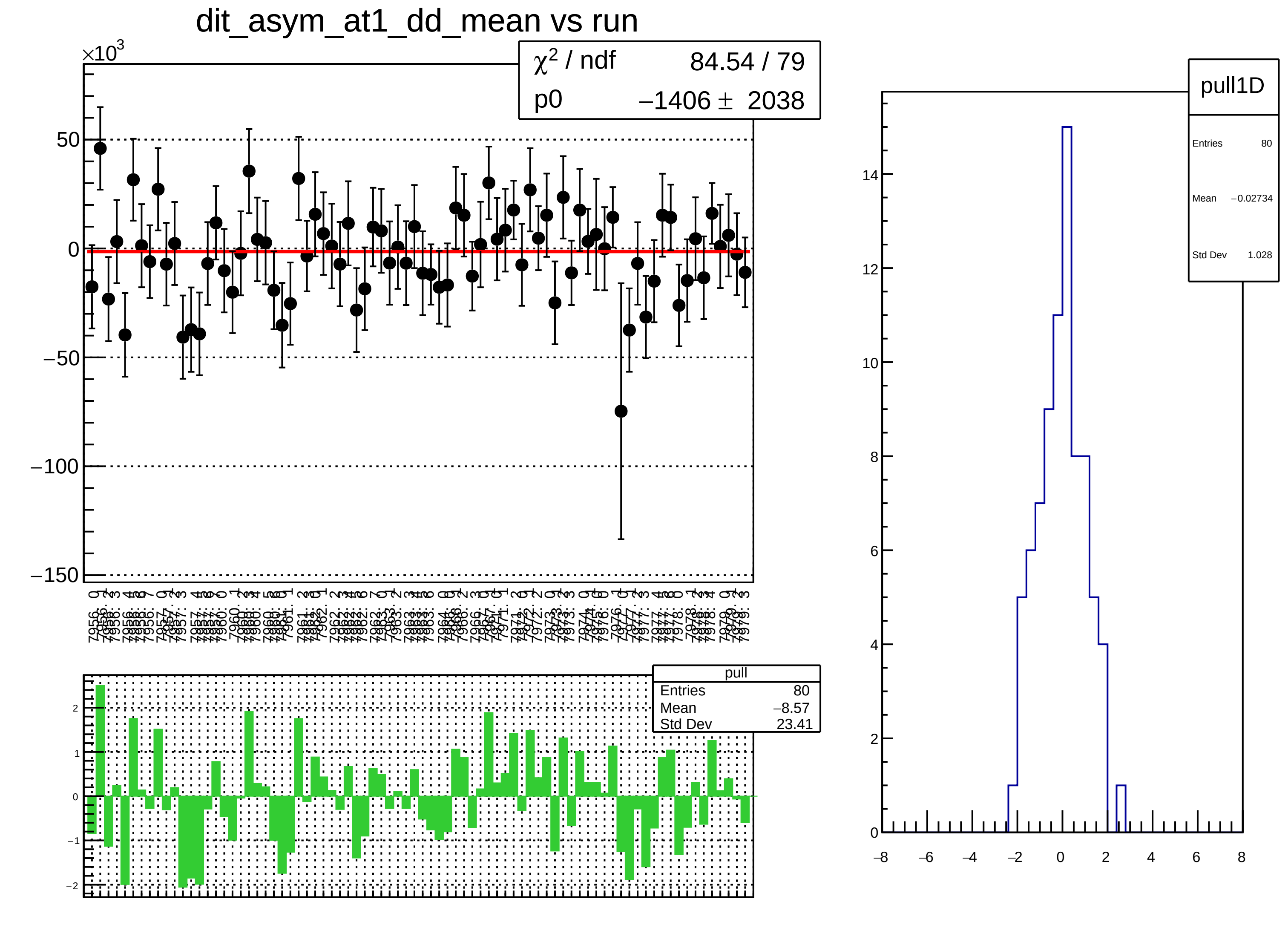
asym_at1_avg_correction_mean vs run
χ^2 / ndf 85.86 / 79
p0 665.6 ± 626.2
pull
Entries 80
Mean −56.07
Std Dev 109
pull1D
Entries 80
Mean 0.01866
Std Dev 1.036

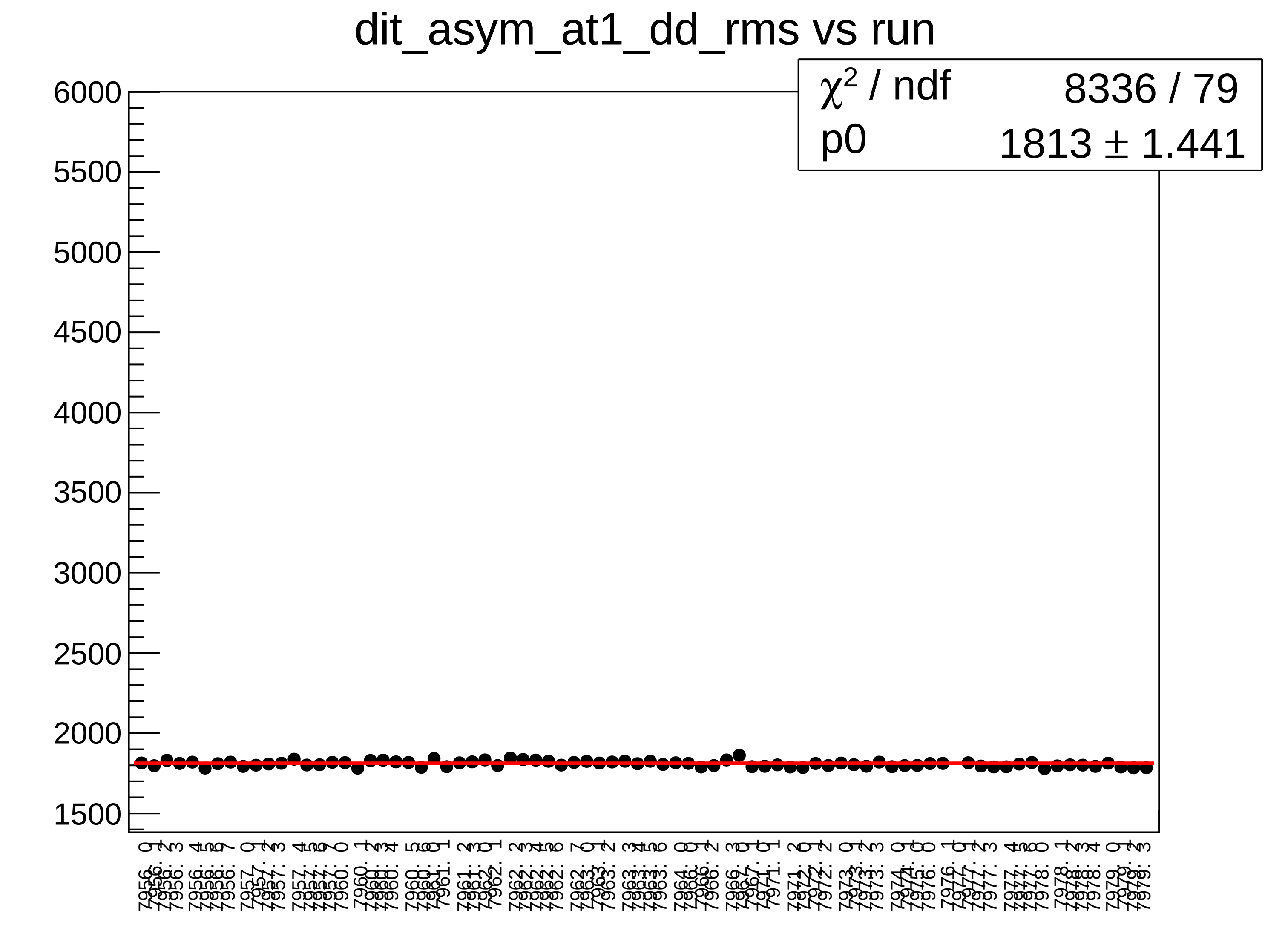

asym_at1_avg_correction_rms vs run
χ2 / ndf 2.283e+05 / 79
p0 517.1 ± 0.4428
900
800
700
600
500
400
300


asym_at1_avg_mean vs run
$\times 10^3$
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

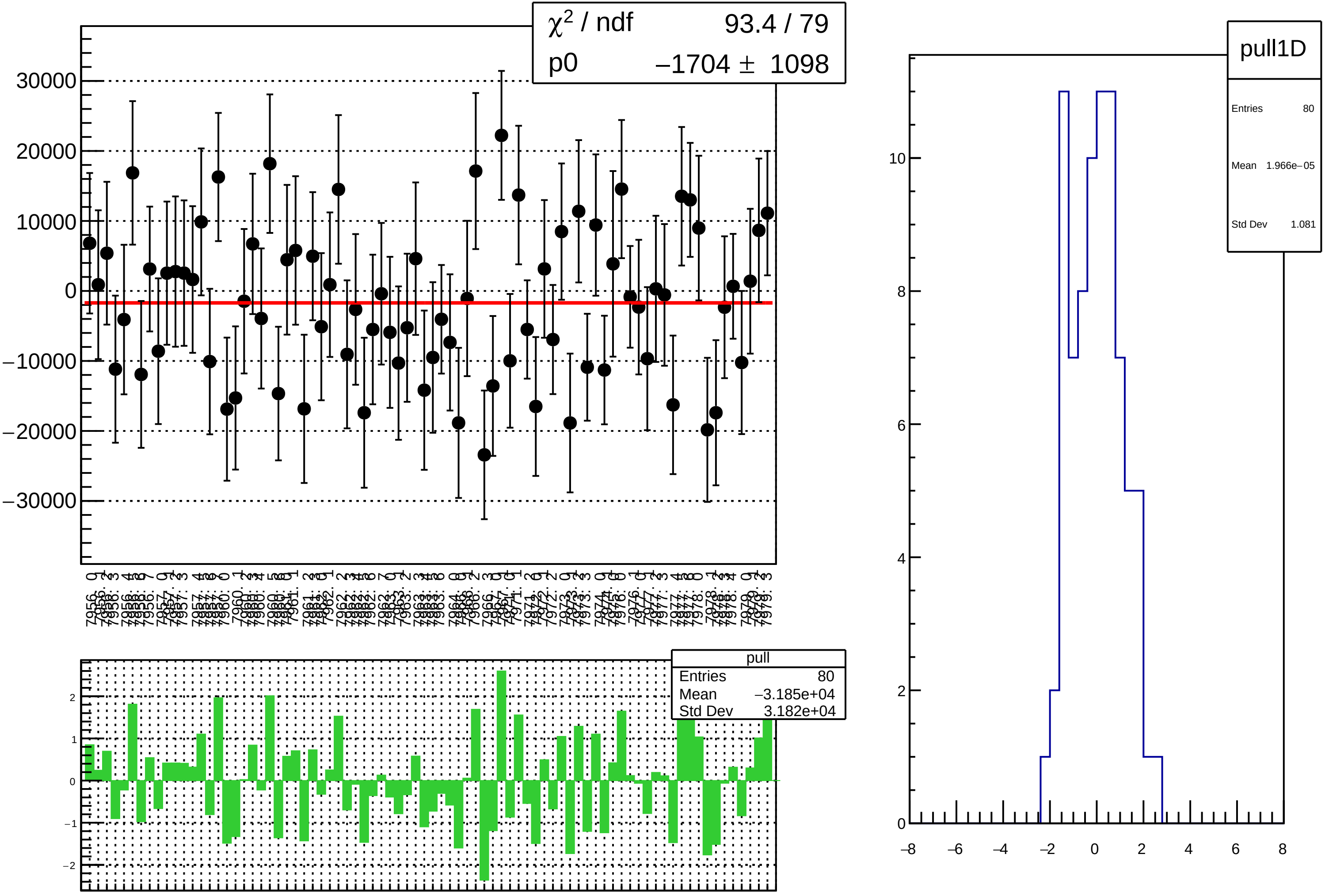


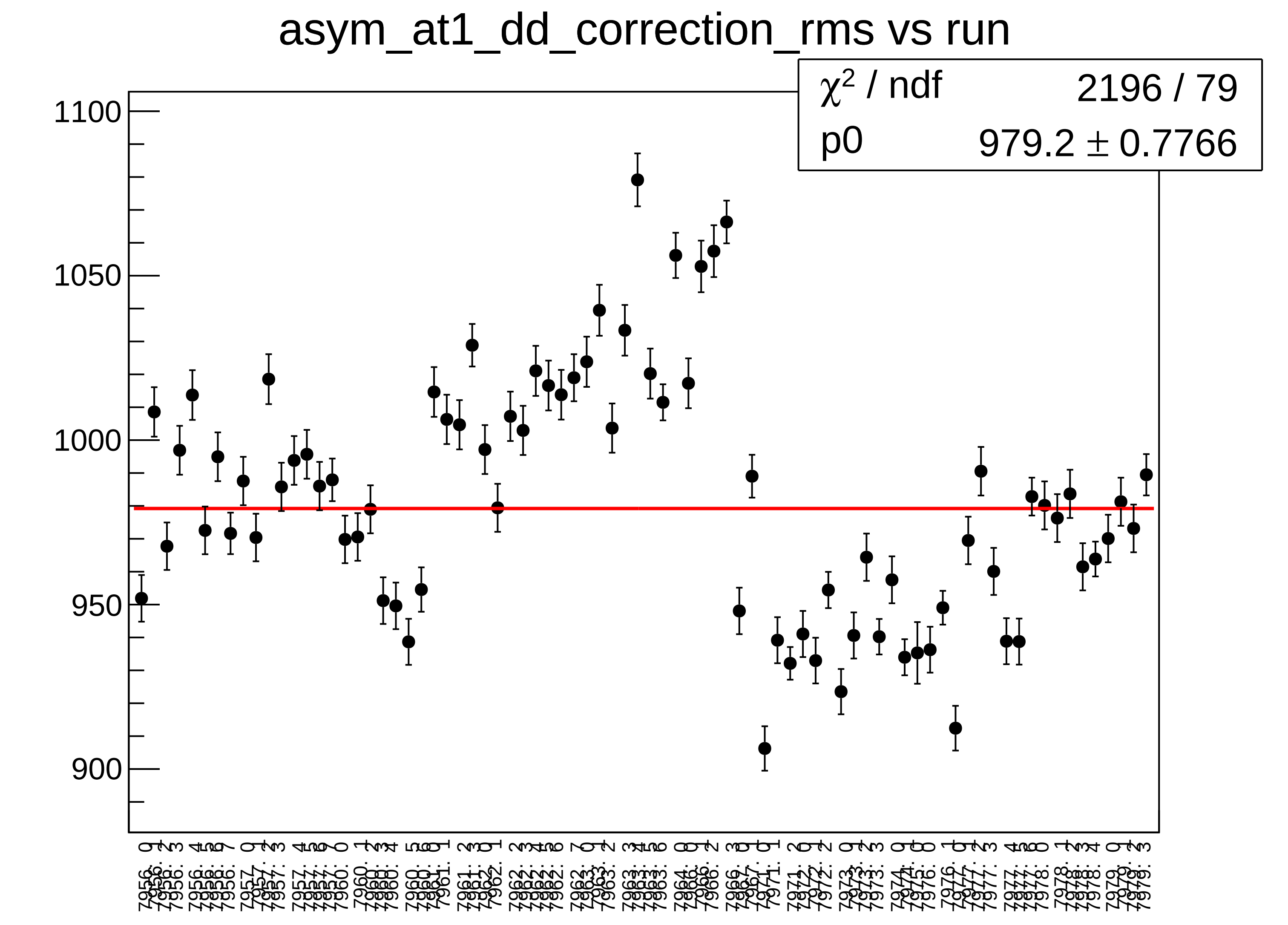
asym_at1_avg_rms vs run
χ^2 / ndf 1.124e+04 / 79
p0 1985 ± 1.579
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

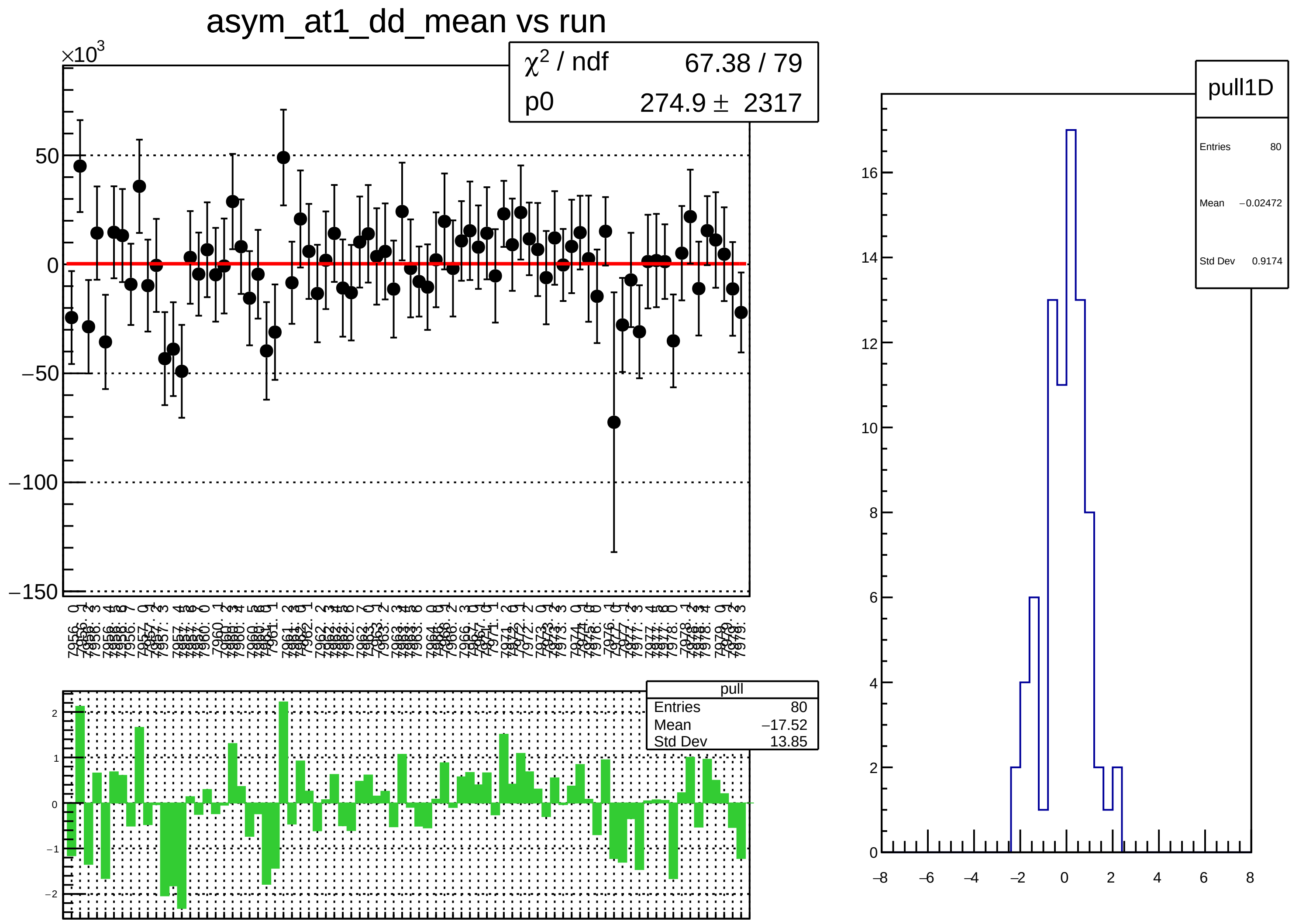

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 84.54 / 79
p0 −1406 ± 2038
50
0
−50
−100
−150
pull
Entries 80
Mean −8.57
Std Dev 23.41
pull1D
Entries 80
Mean −0.02734
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_rms vs run
χ2 / ndf 8336 / 79
p0 1813 ± 1.441

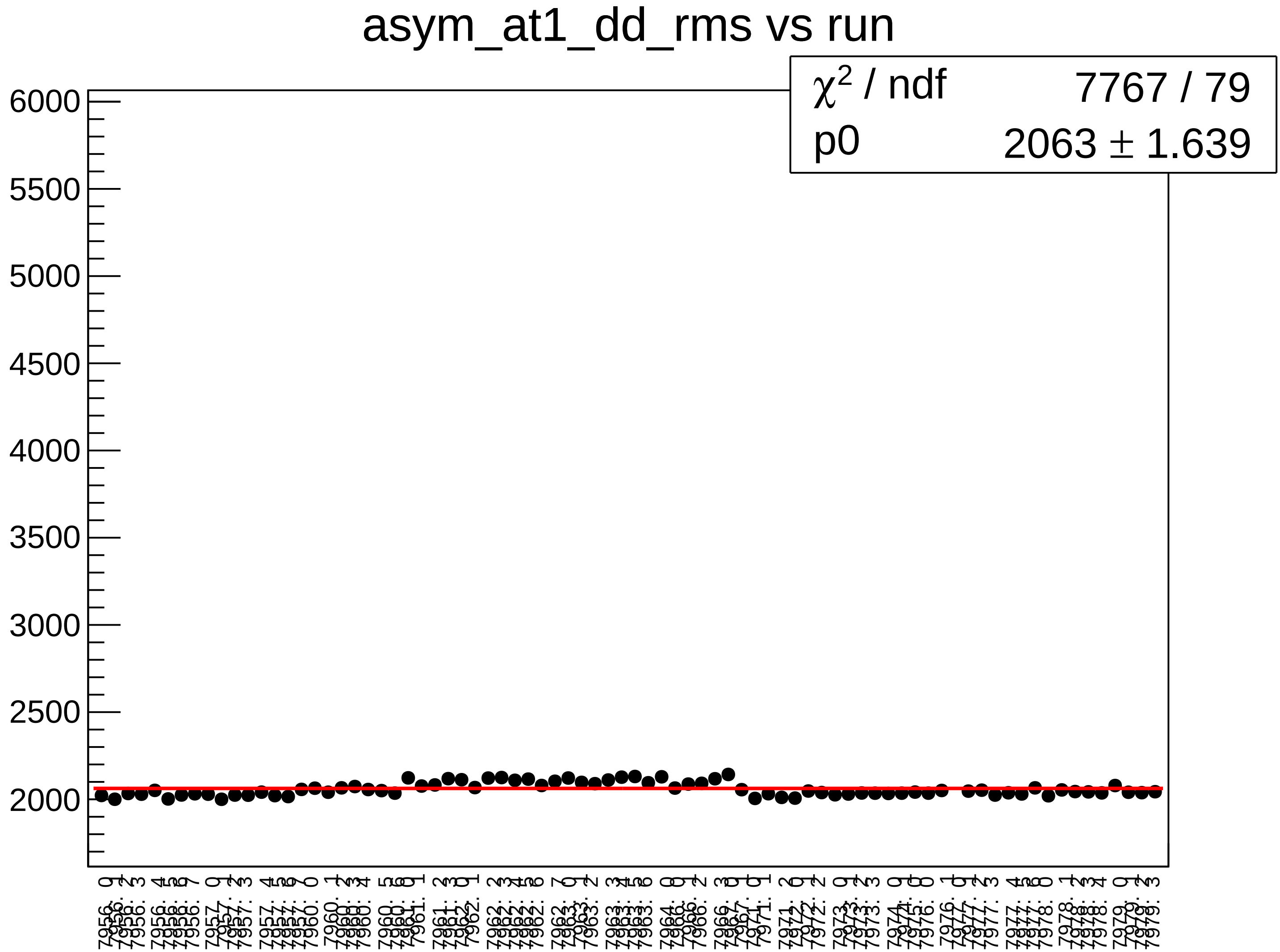
asym_at1_dd_correction_mean vs run

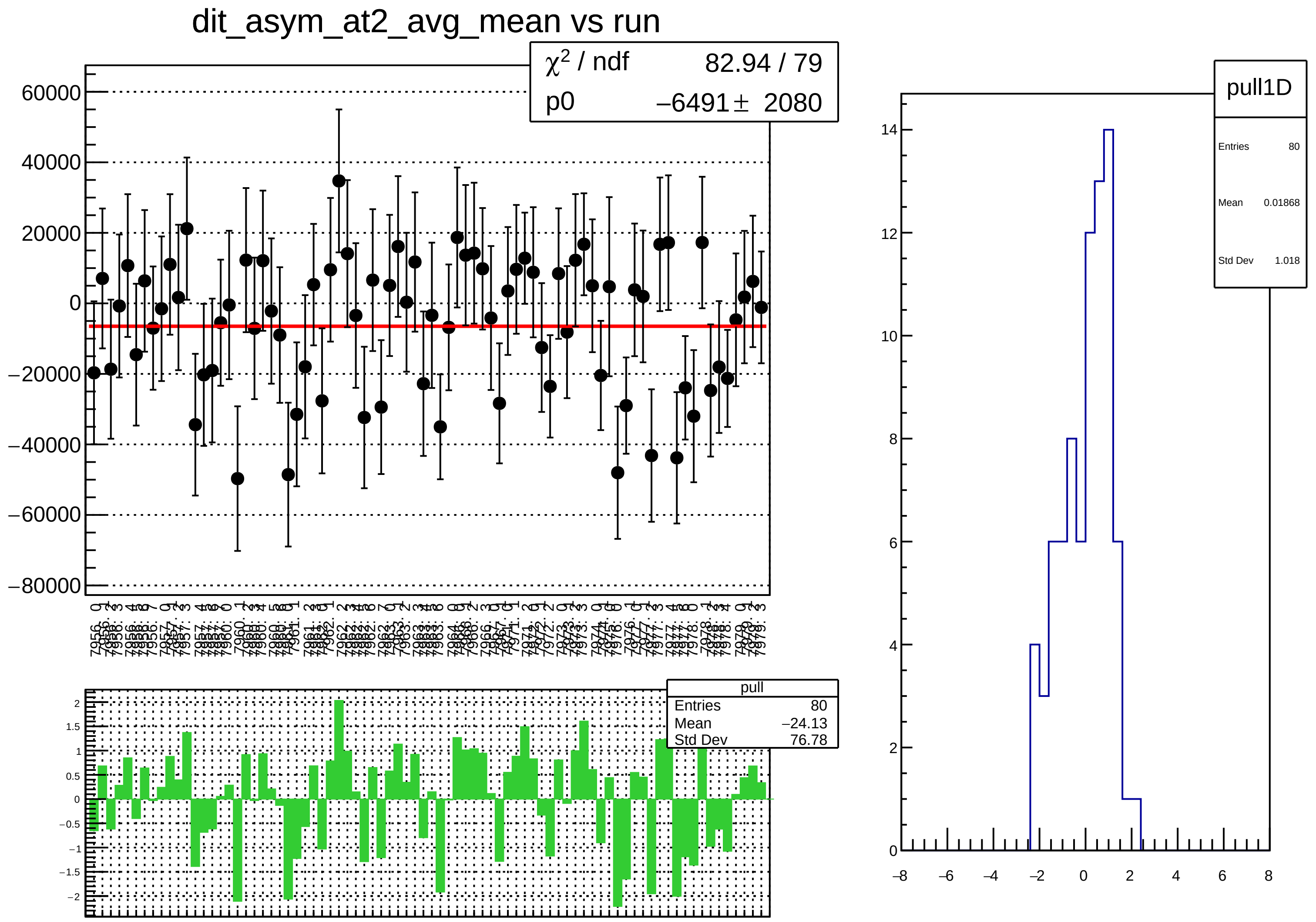



asym_at1_dd_correction_rms vs run
χ2 / ndf 2196 / 79
p0 979.2 ± 0.7766
1100
1050
1000
950
900

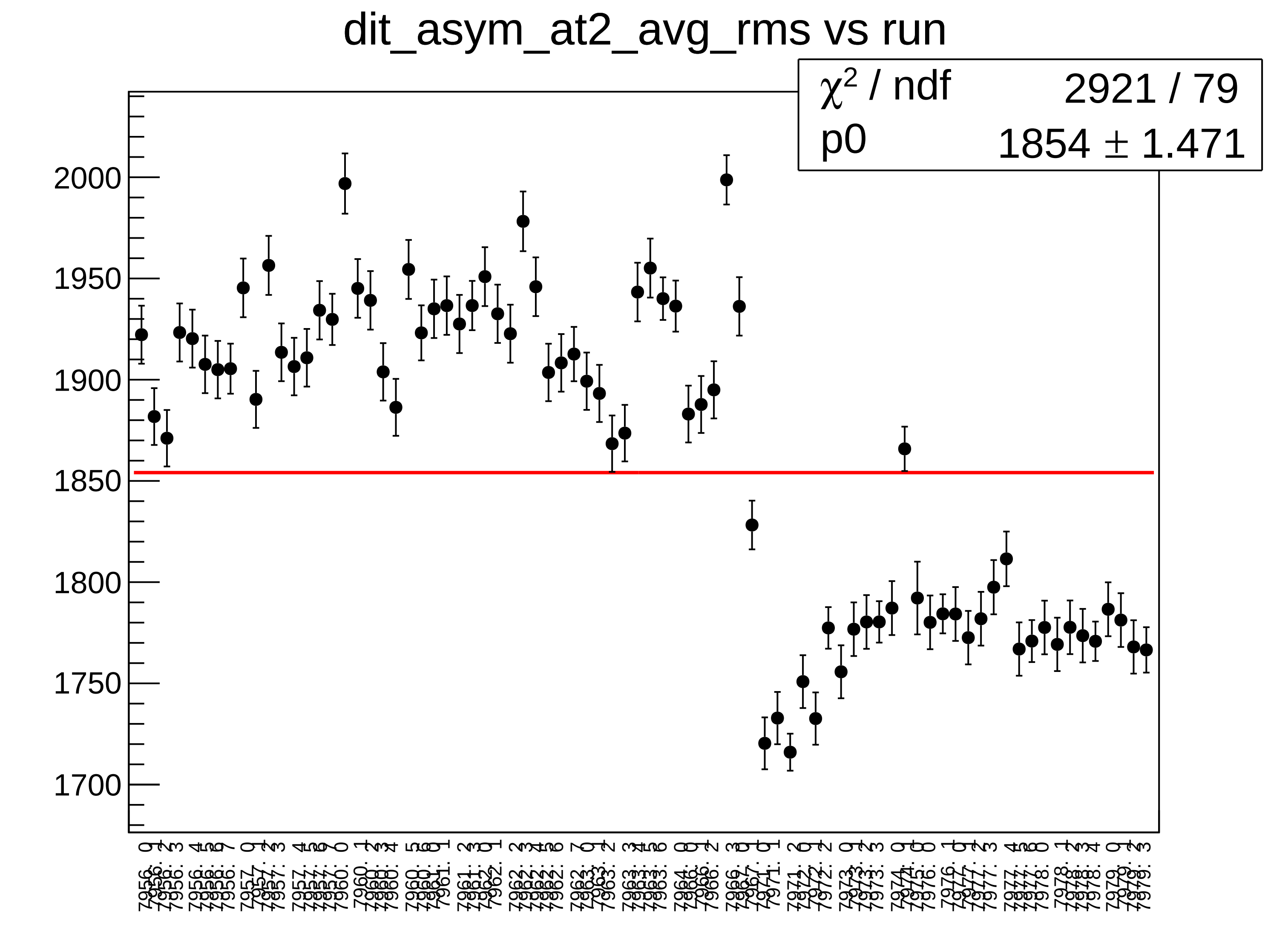


asym_at1_dd_mean vs run
×10^3
χ2 / ndf 67.38 / 79
p0 274.9 ± 2317
pull
Entries 80
Mean −17.52
Std Dev 13.85
pull1D
Entries 80
Mean −0.02472
Std Dev 0.9174

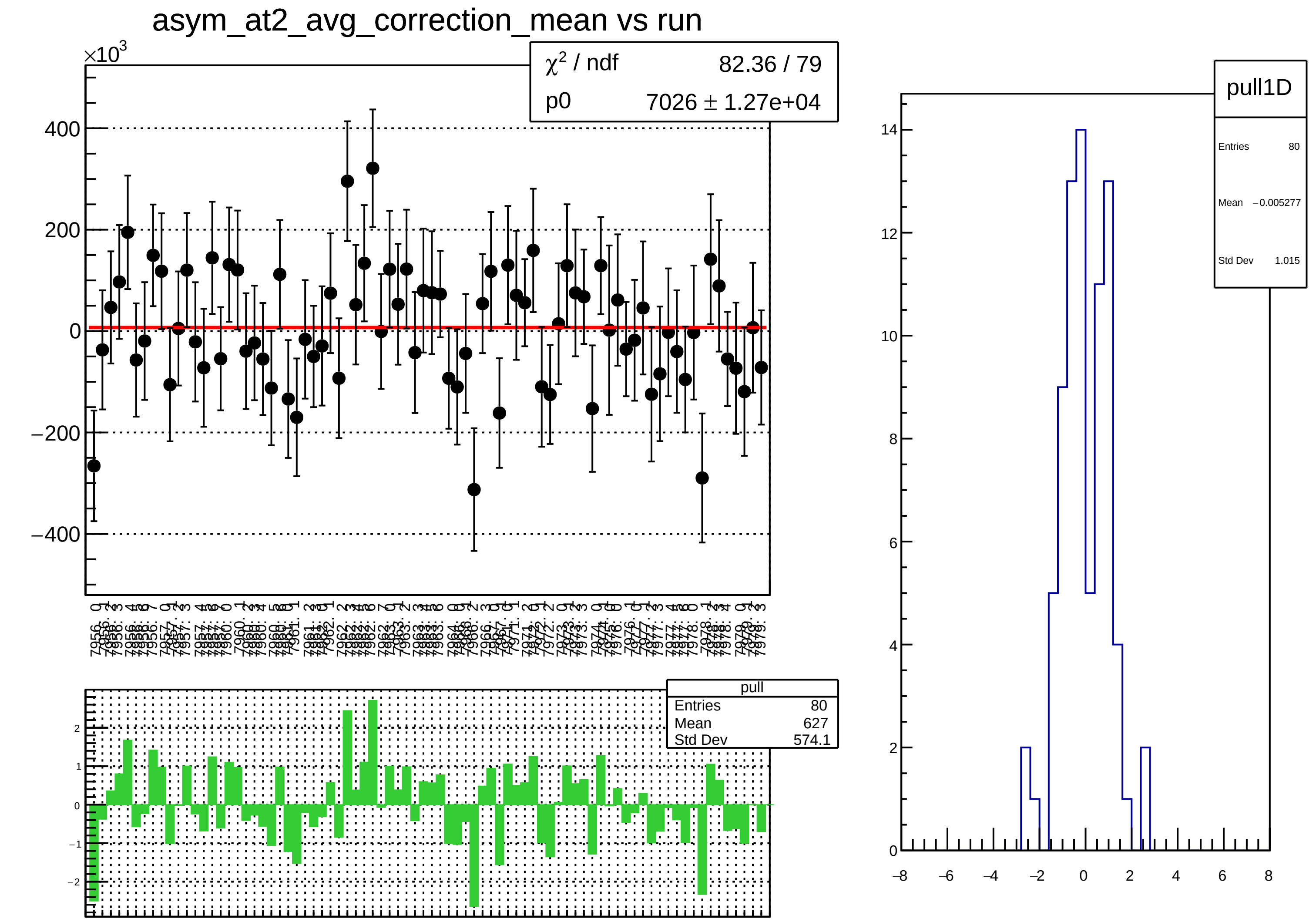

asym_at1_dd_rms vs run
χ2 / ndf 7767 / 79
p0 2063 ± 1.639
6000
5500
5000
4500
4000
3500
3000
2500
2000

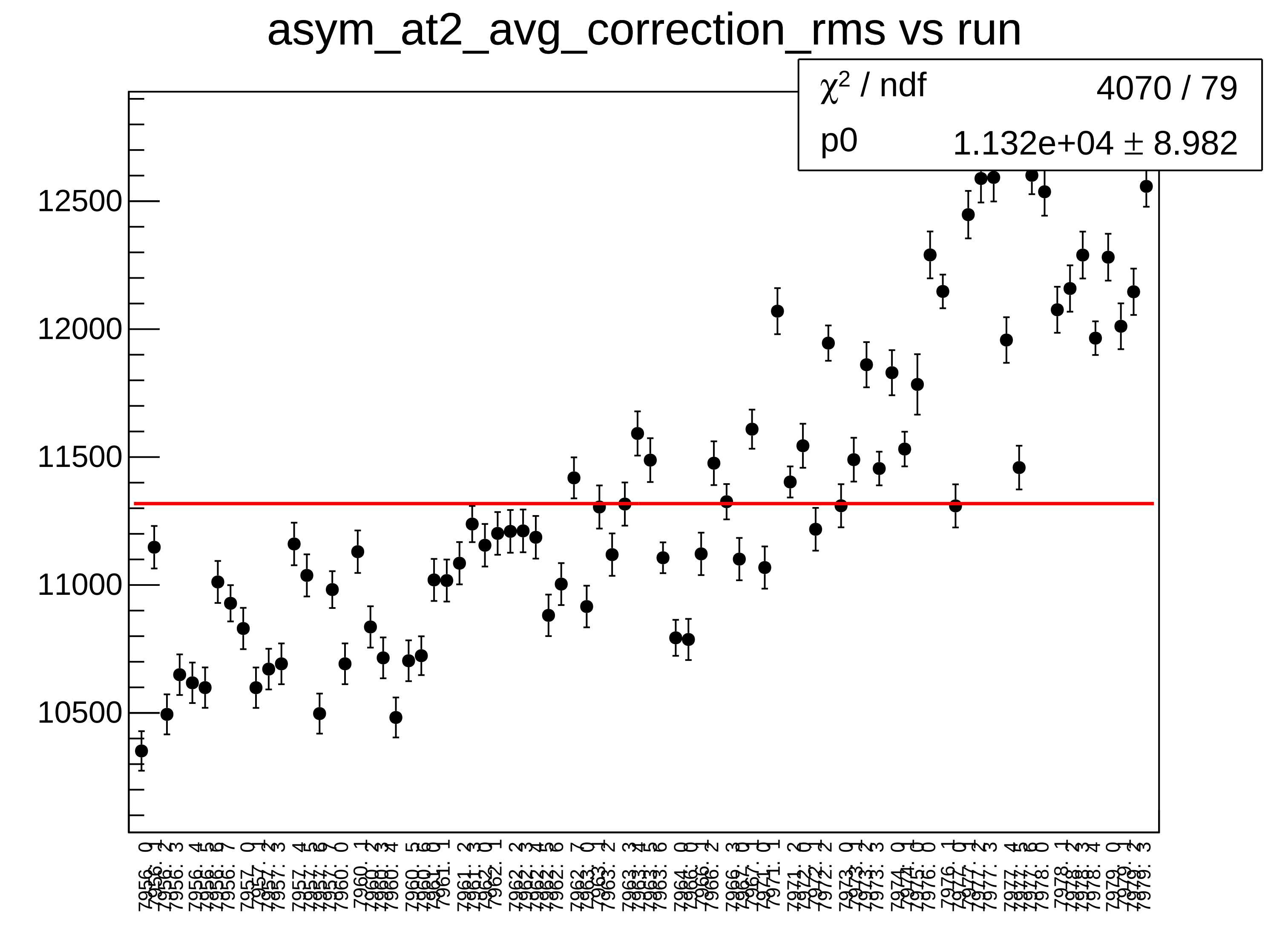


dit_asym_at2_avg_mean vs run
χ^2 / ndf 82.94 / 79
p0 −6491 ± 2080
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 80
Mean −24.13
Std Dev 76.78
pull1D
Entries 80
Mean 0.01868
Std Dev 1.018

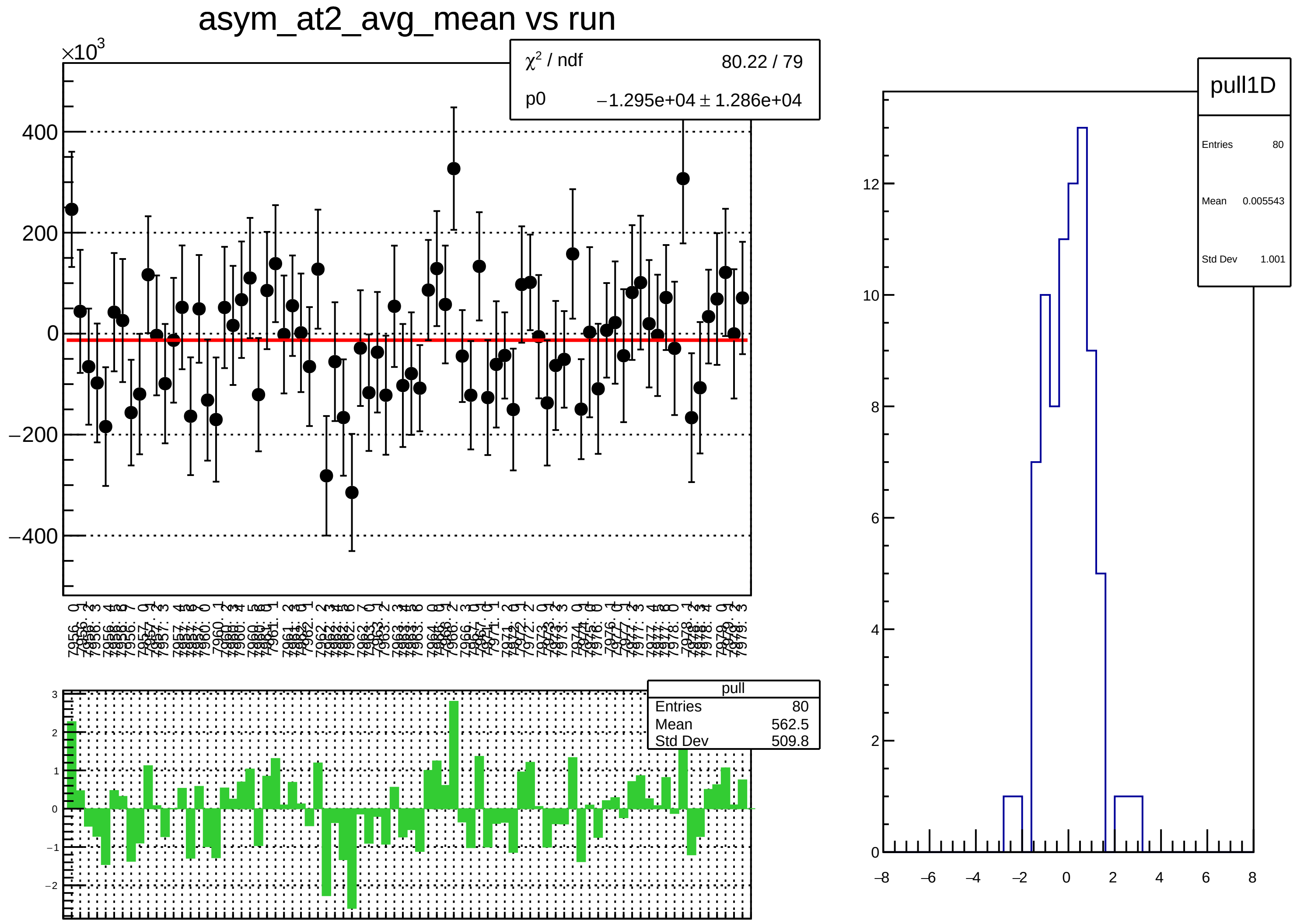


dit_asym_at2_avg_rms vs run
χ^2 / ndf 2921 / 79
p0 1854 ± 1.471
2000
1950
1900
1850
1800
1750
1700

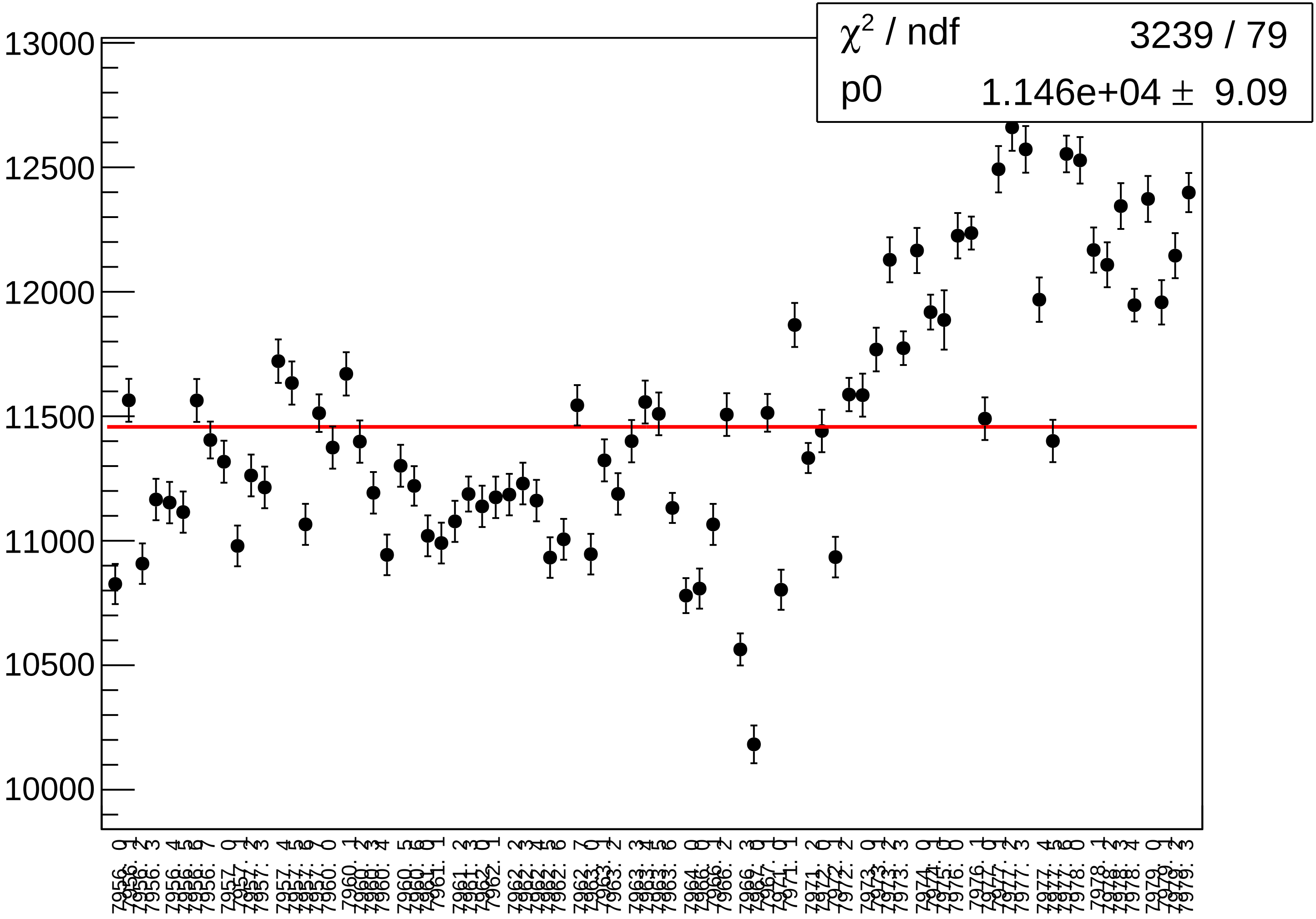

asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 82.36 / 79
p0 7026 ± 1.27e+04
400
200
0
−200
−400
pull
Entries 80
Mean 627
Std Dev 574.1
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.005277
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



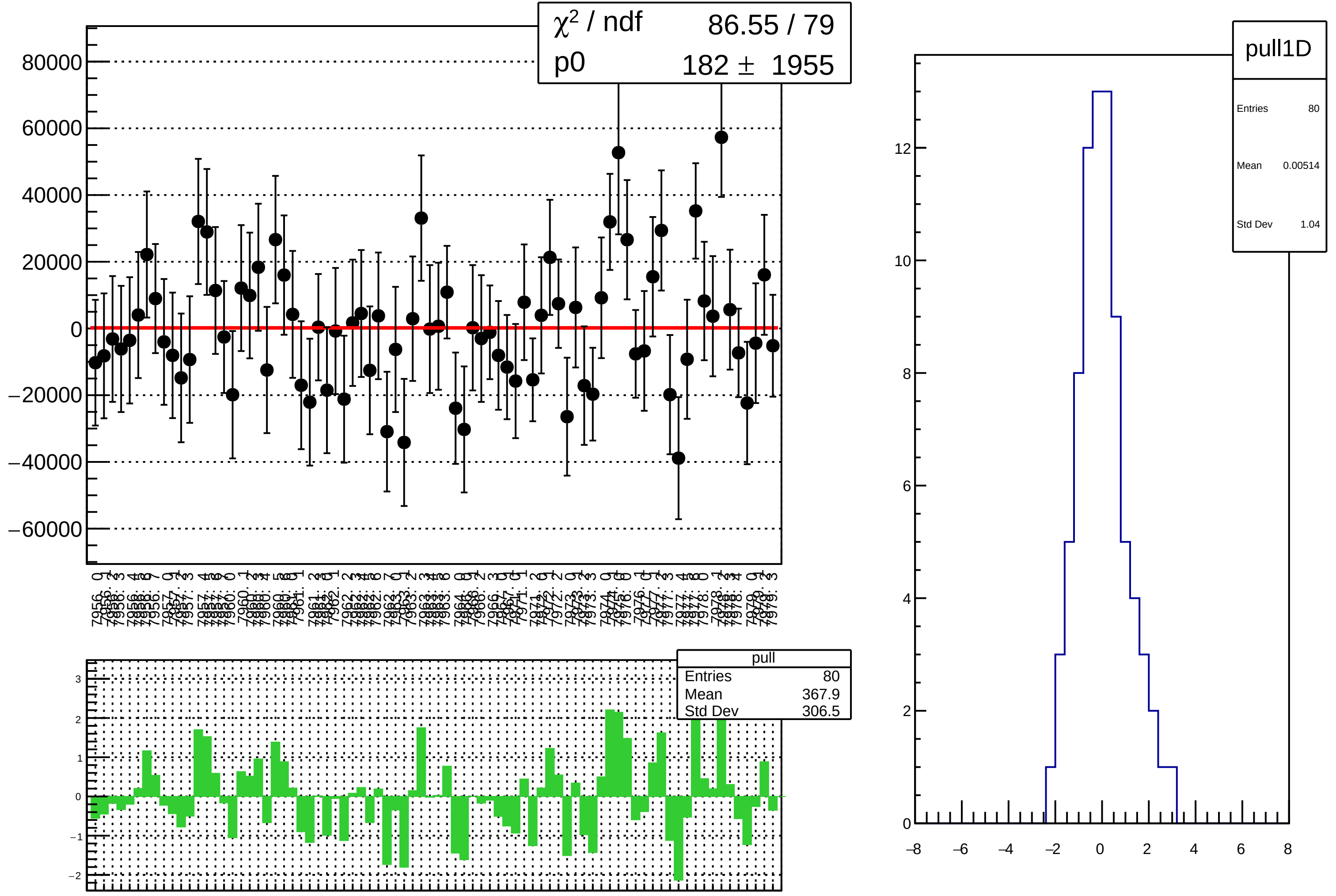
asym_at2_avg_correction_rms vs run
χ2 / ndf 4070 / 79
p0 1.132e+04 ± 8.982
12500
12000
11500
11000
10500

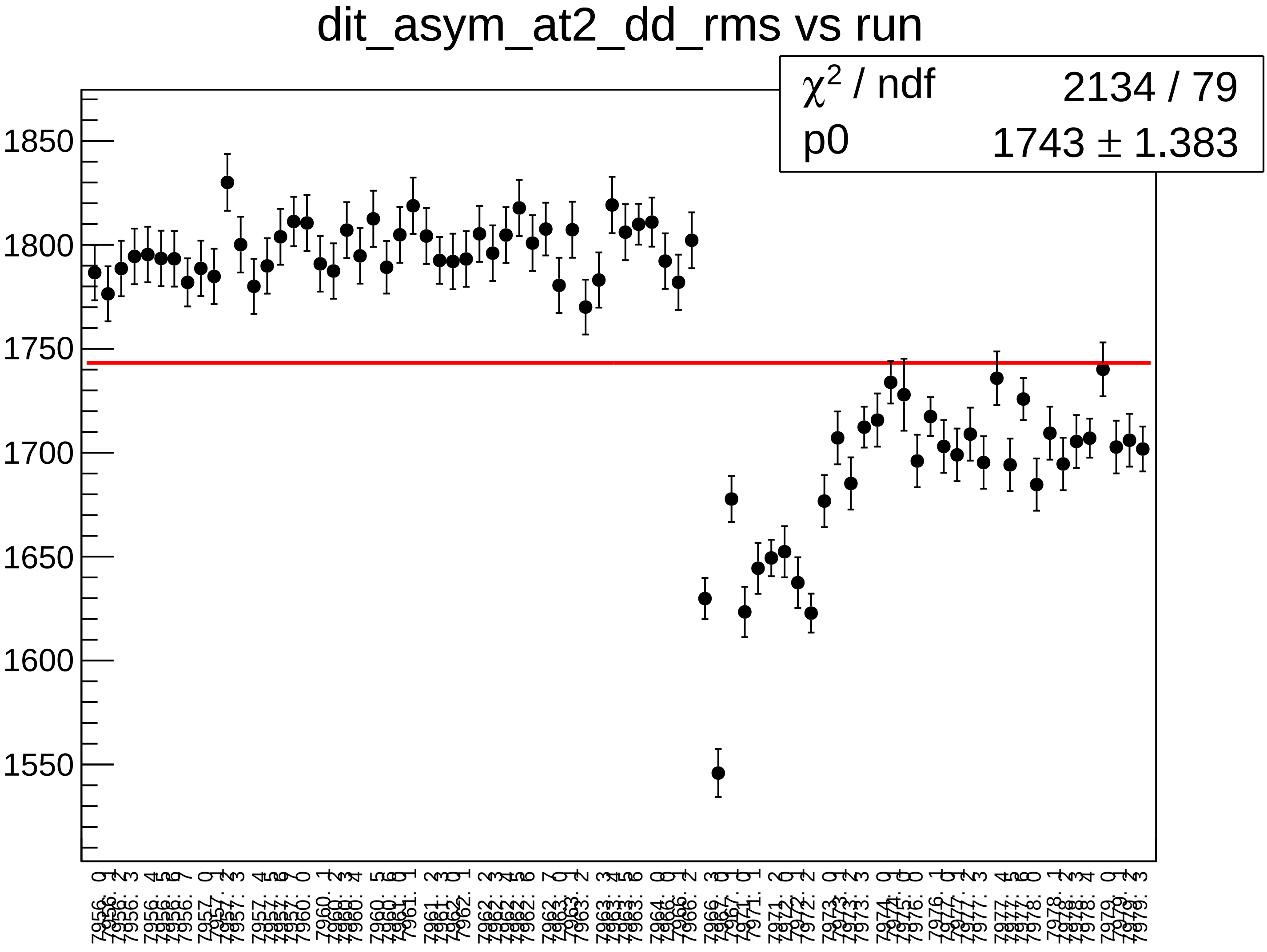

asym_at2_avg_mean vs run
χ^2 / ndf 80.22 / 79
p0 −1.295e+04 ± 1.286e+04
pull
Entries 80
Mean 562.5
Std Dev 509.8
pull1D
Entries 80
Mean 0.005543
Std Dev 1.001

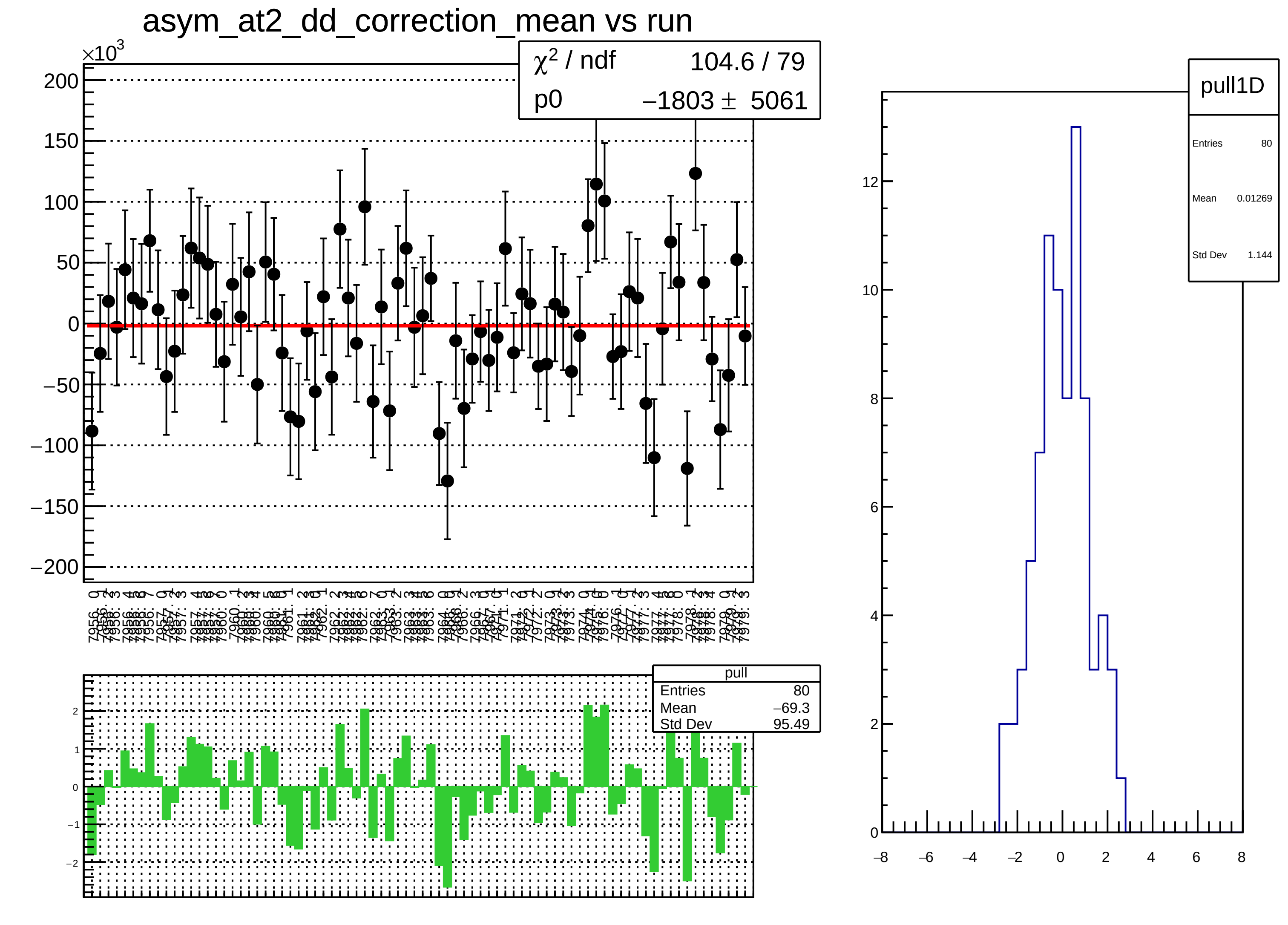
asym_at2_avg_rms vs run



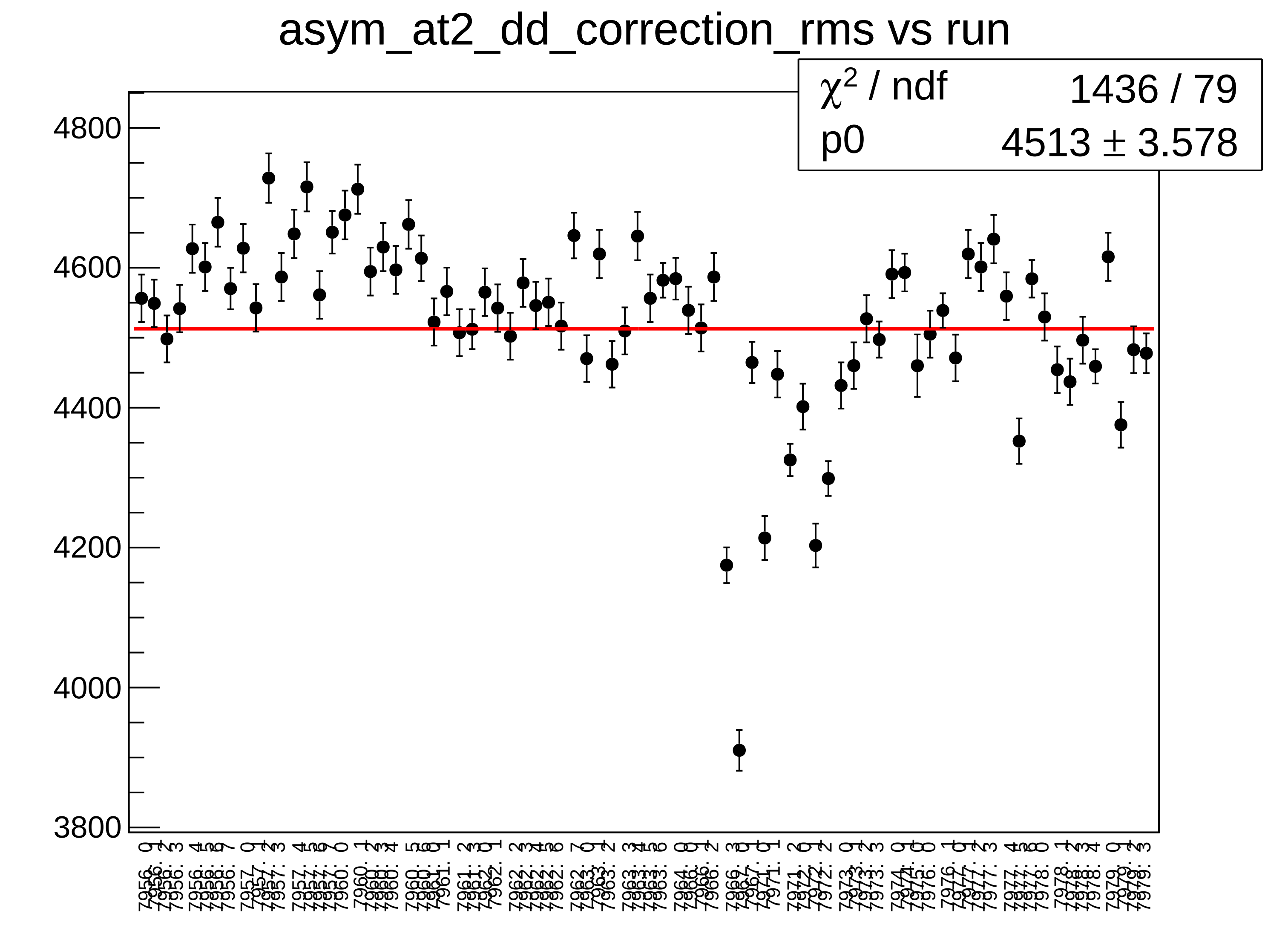
dit_asym_at2_dd_mean vs run

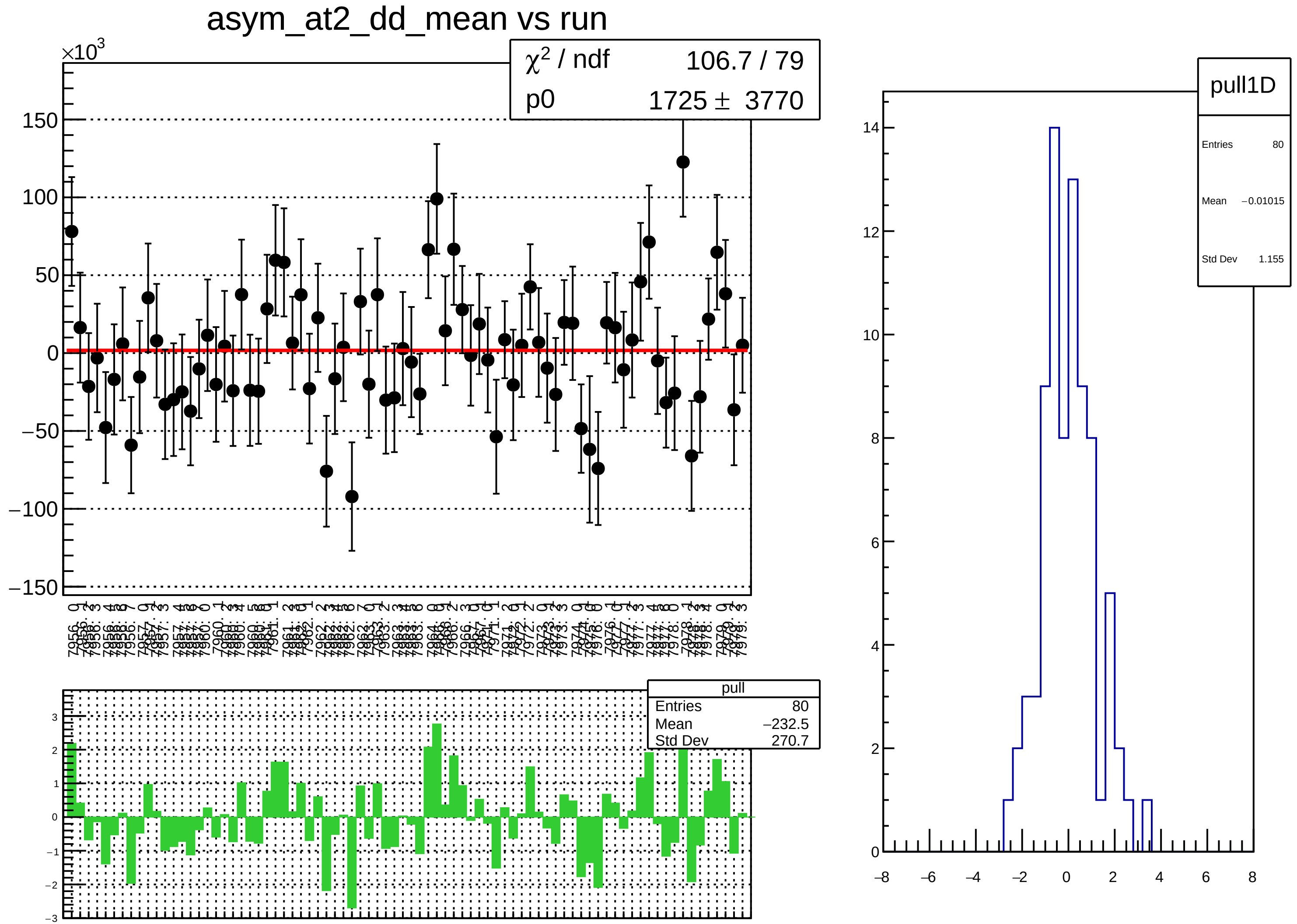


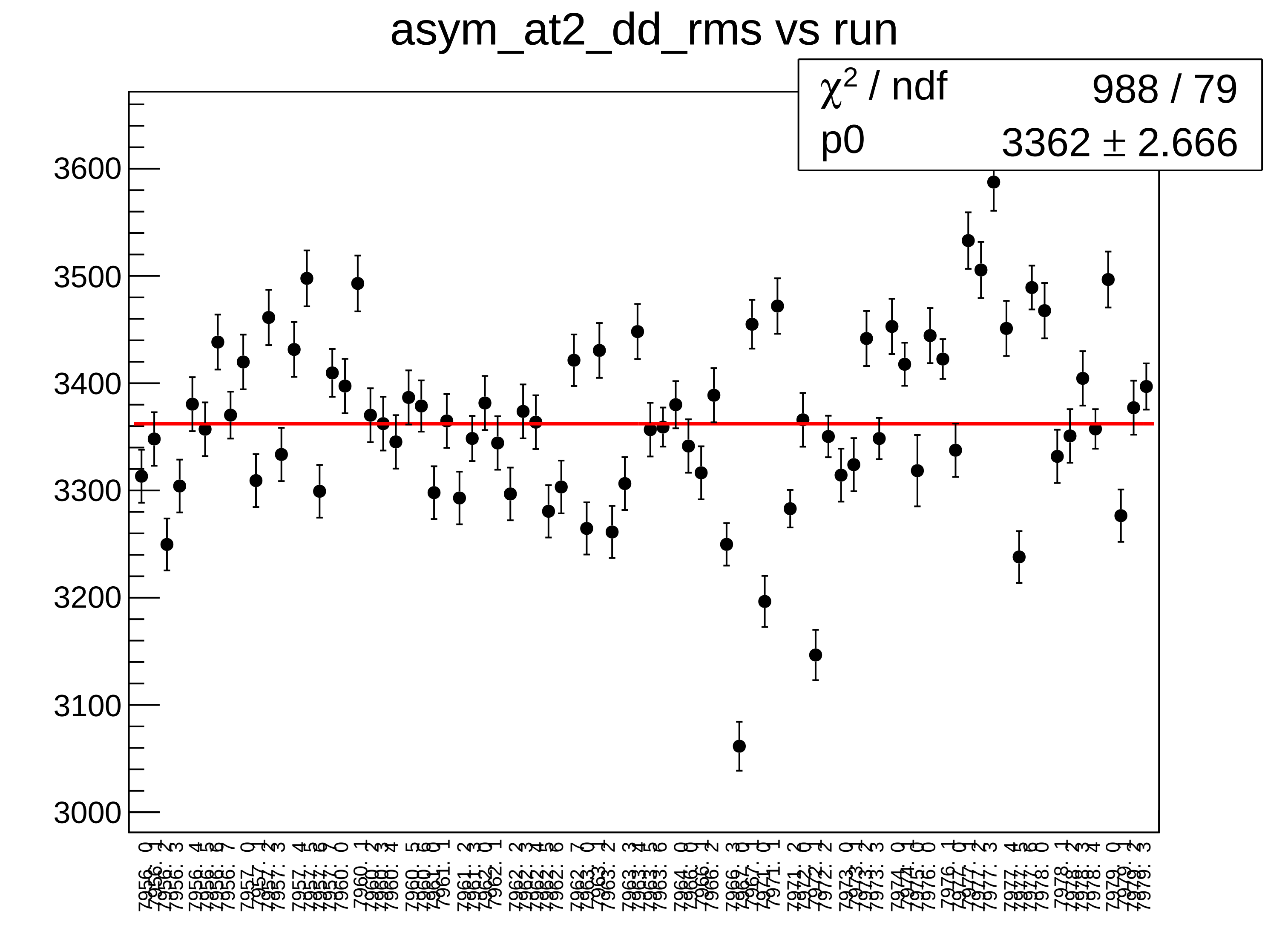

dit_asym_at2_dd_rms vs run
χ2 / ndf 2134 / 79
p0 1743 ± 1.383
1850
1800
1750
1700
1650
1600
1550



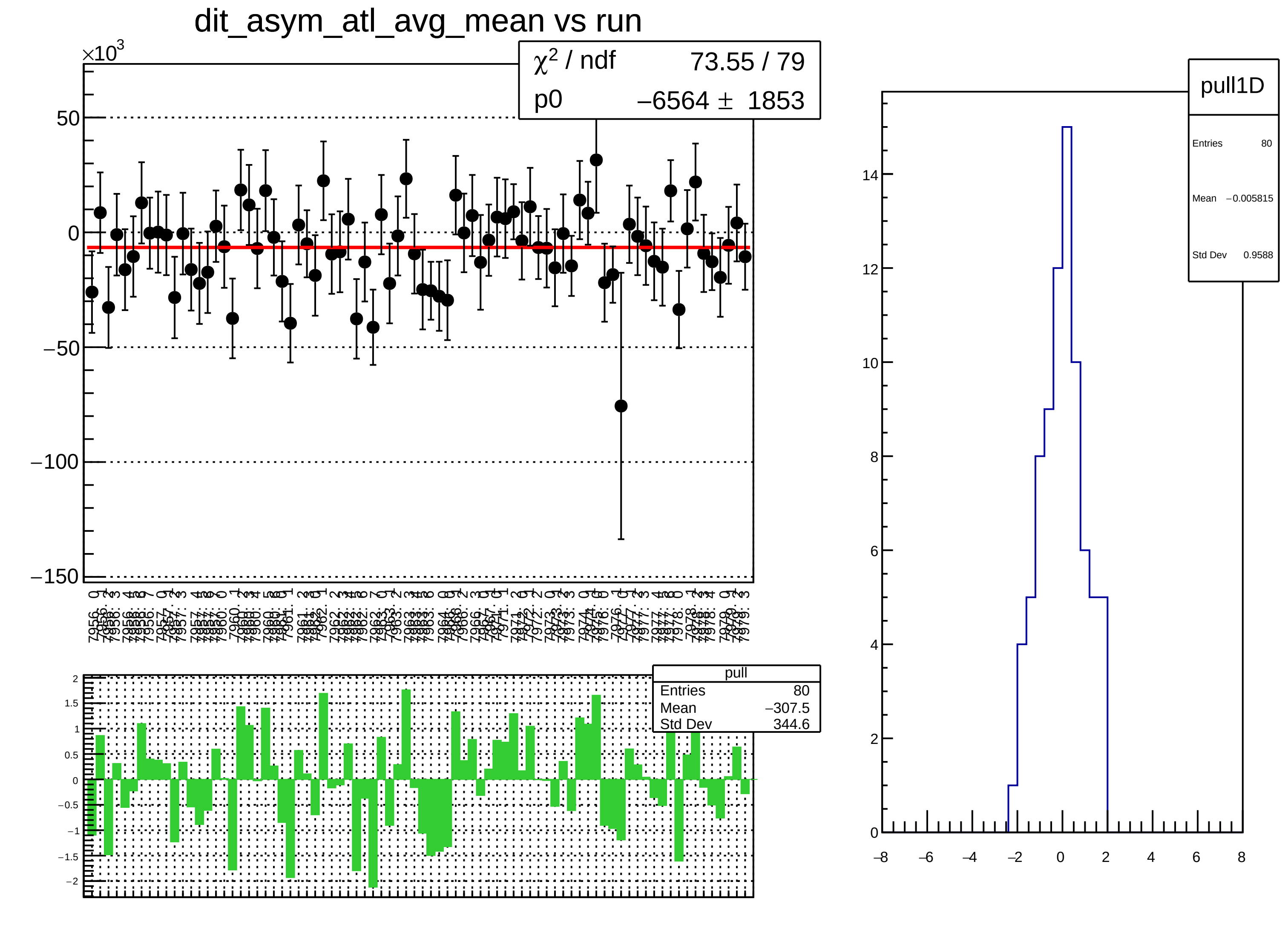
asym_at2_dd_correction_mean vs run
χ^2 / ndf 104.6 / 79
p0 −1803 ± 5061
pull
Entries 80
Mean −69.3
Std Dev 95.49
pull1D
Entries 80
Mean 0.01269
Std Dev 1.144

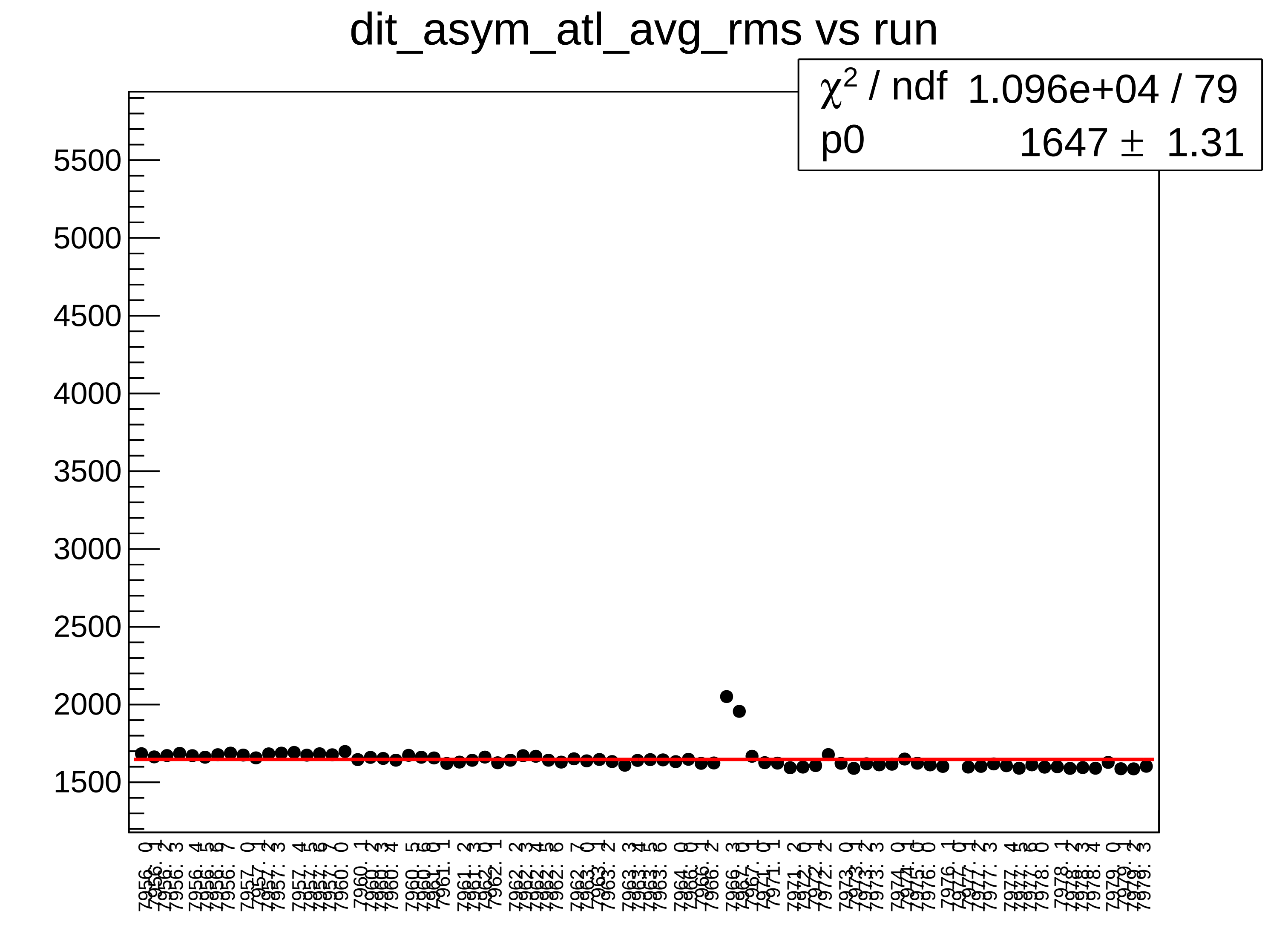

asym_at2_dd_correction_rms vs run
χ^2 / ndf 1436 / 79
p0 4513 ± 3.578
4800
4600
4400
4200
4000
3800


asym_at2_dd_mean vs run
$\times10^3$
χ^2 / 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

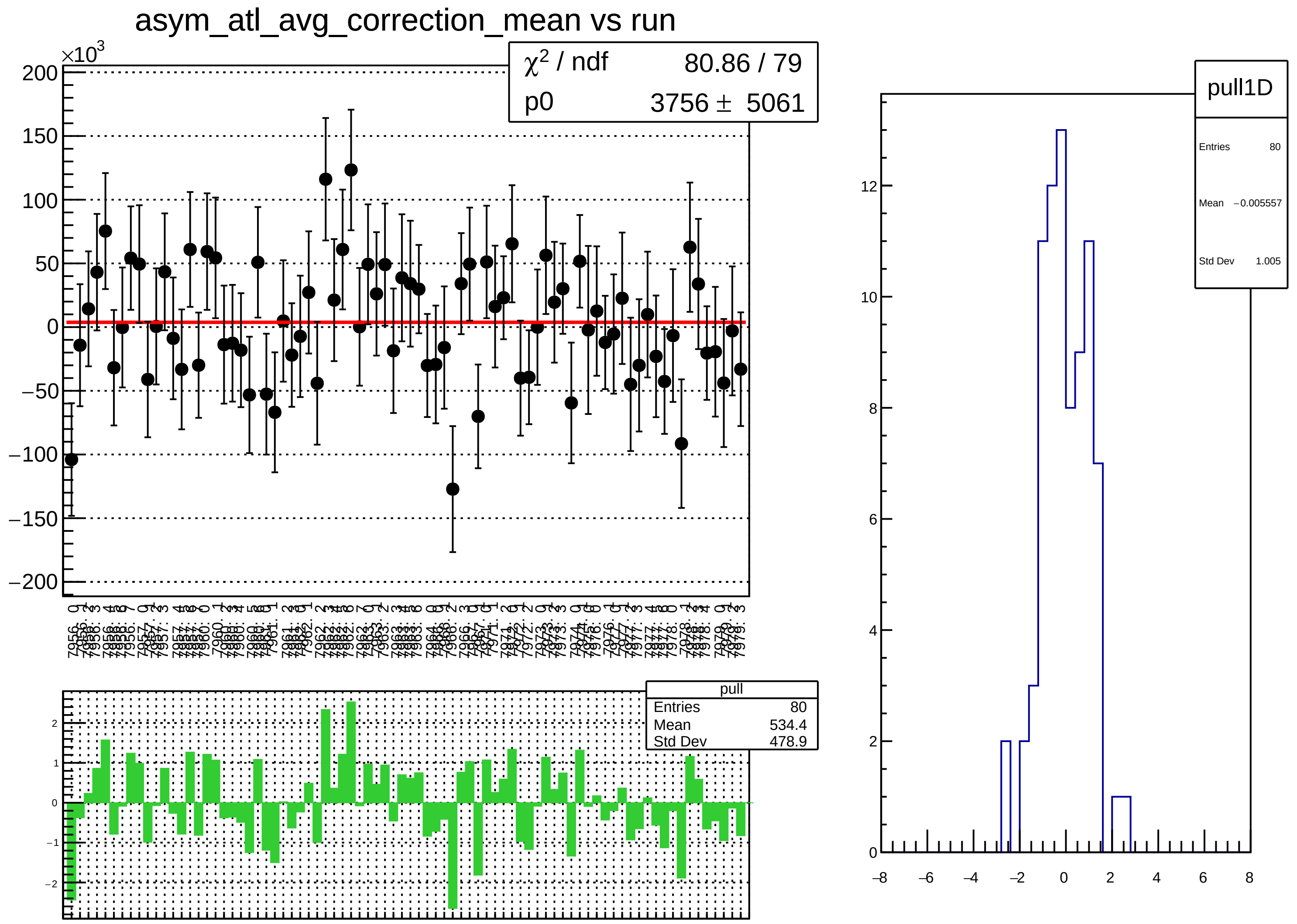


asym_at2_dd_rms vs run
χ^2 / ndf 988 / 79
p0 3362 ± 2.666

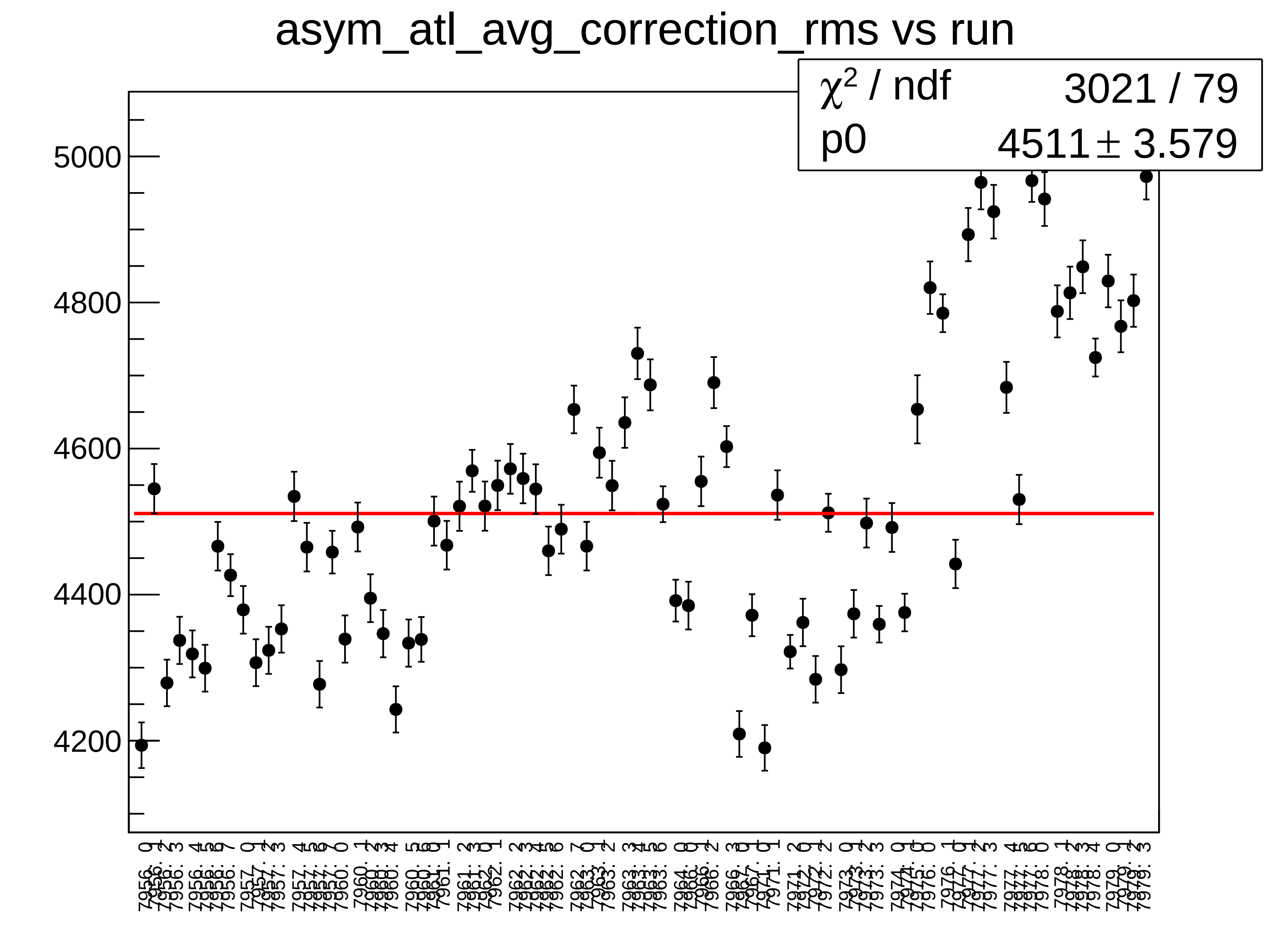

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 73.55 / 79
p0 −6564 ± 1853
50
0
−50
−100
−150
pull
Entries 80
Mean −307.5
Std Dev 344.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −0.005815
Std Dev 0.9588
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



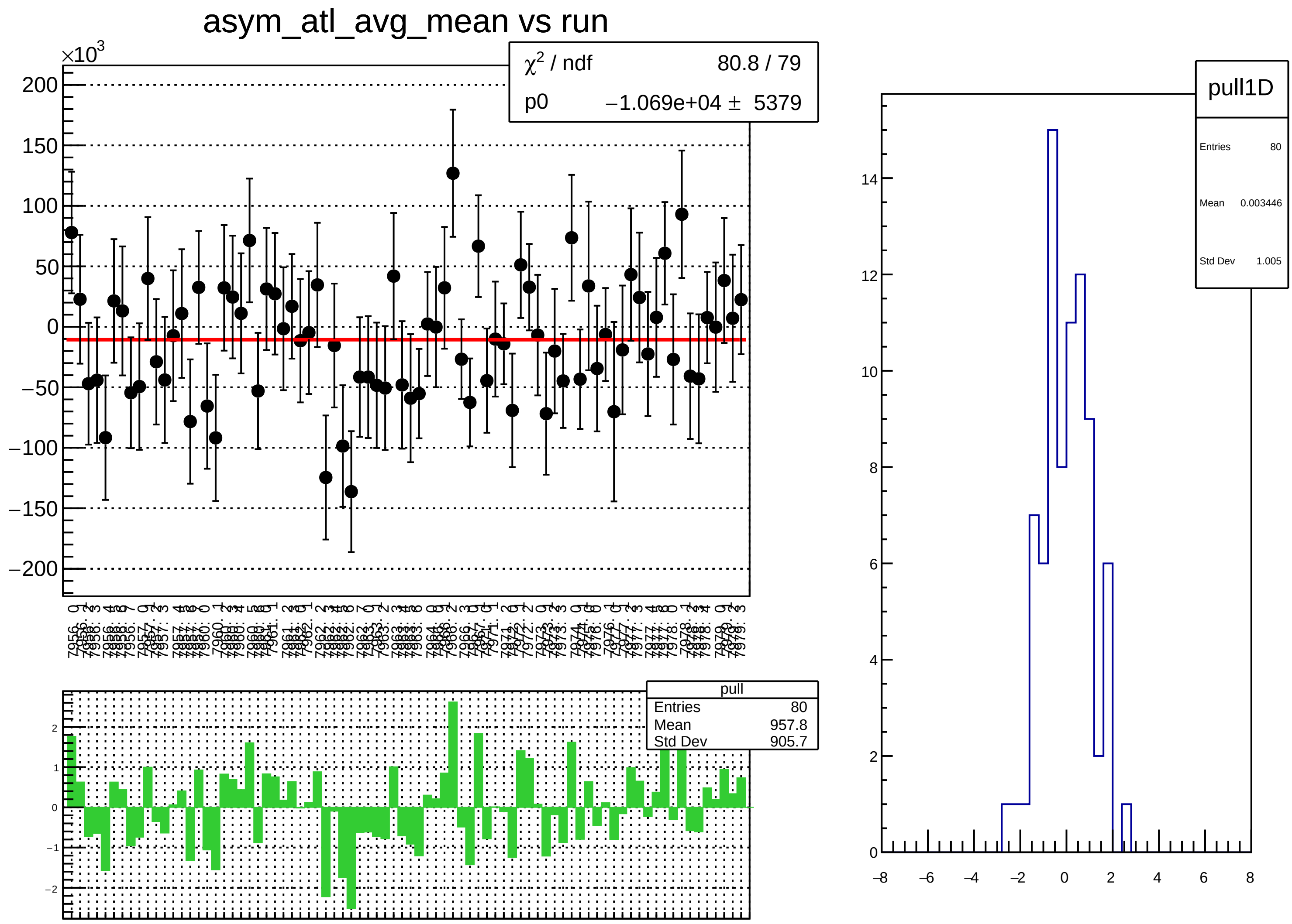
dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.096e+04 / 79
p0 1647 ± 1.31
5500
5000
4500
4000
3500
3000
2500
2000
1500

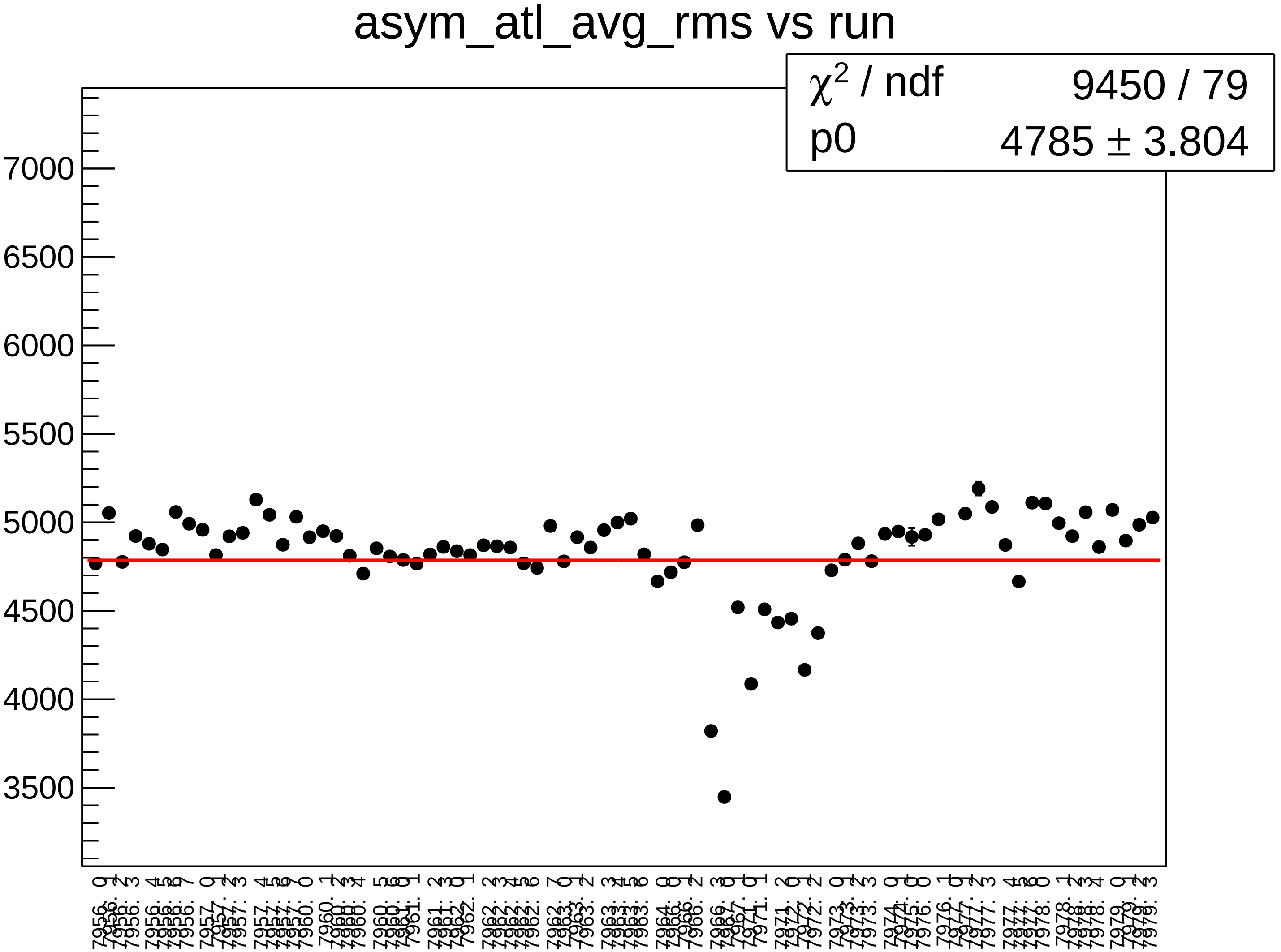


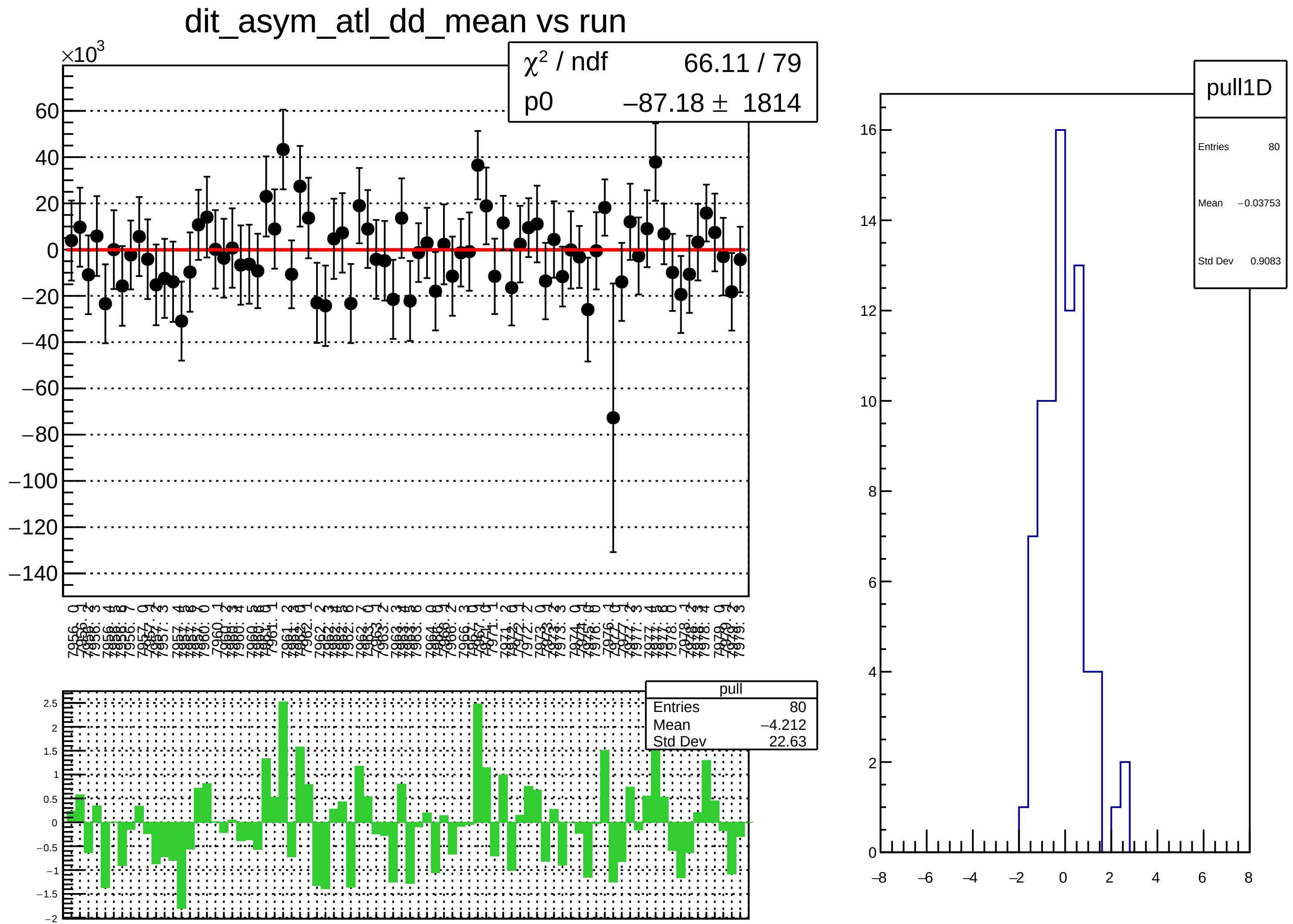
asym_atl_avg_correction_mean vs run
χ^2 / ndf 80.86 / 79
p0 3756 ± 5061
pull
Entries 80
Mean 534.4
Std Dev 478.9
pull1D
Entries 80
Mean −0.005557
Std Dev 1.005

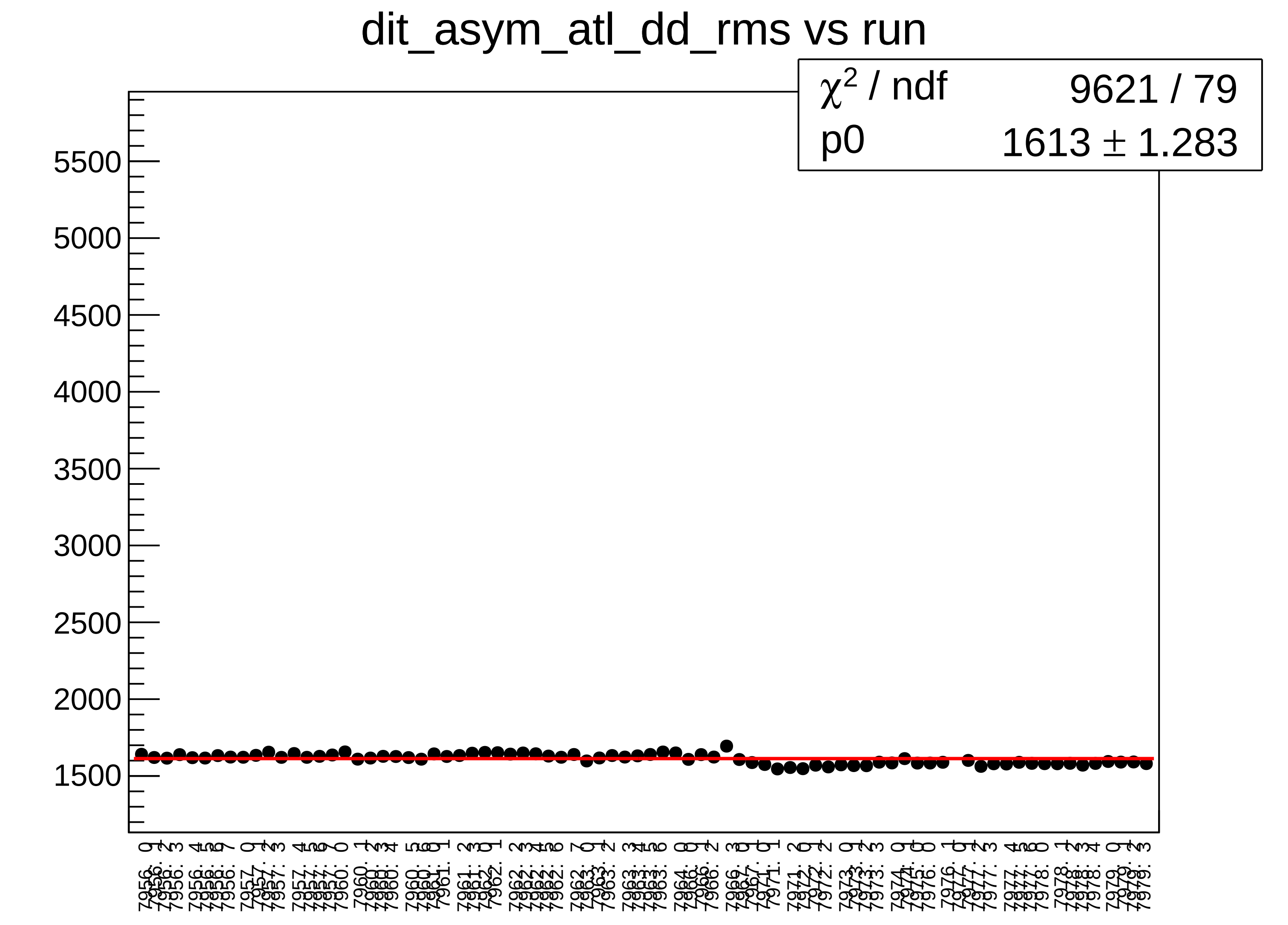


asym_atl_avg_correction_rms vs run
χ^2 / ndf 3021 / 79
p0 4511 ± 3.579
5000
4800
4600
4400
4200

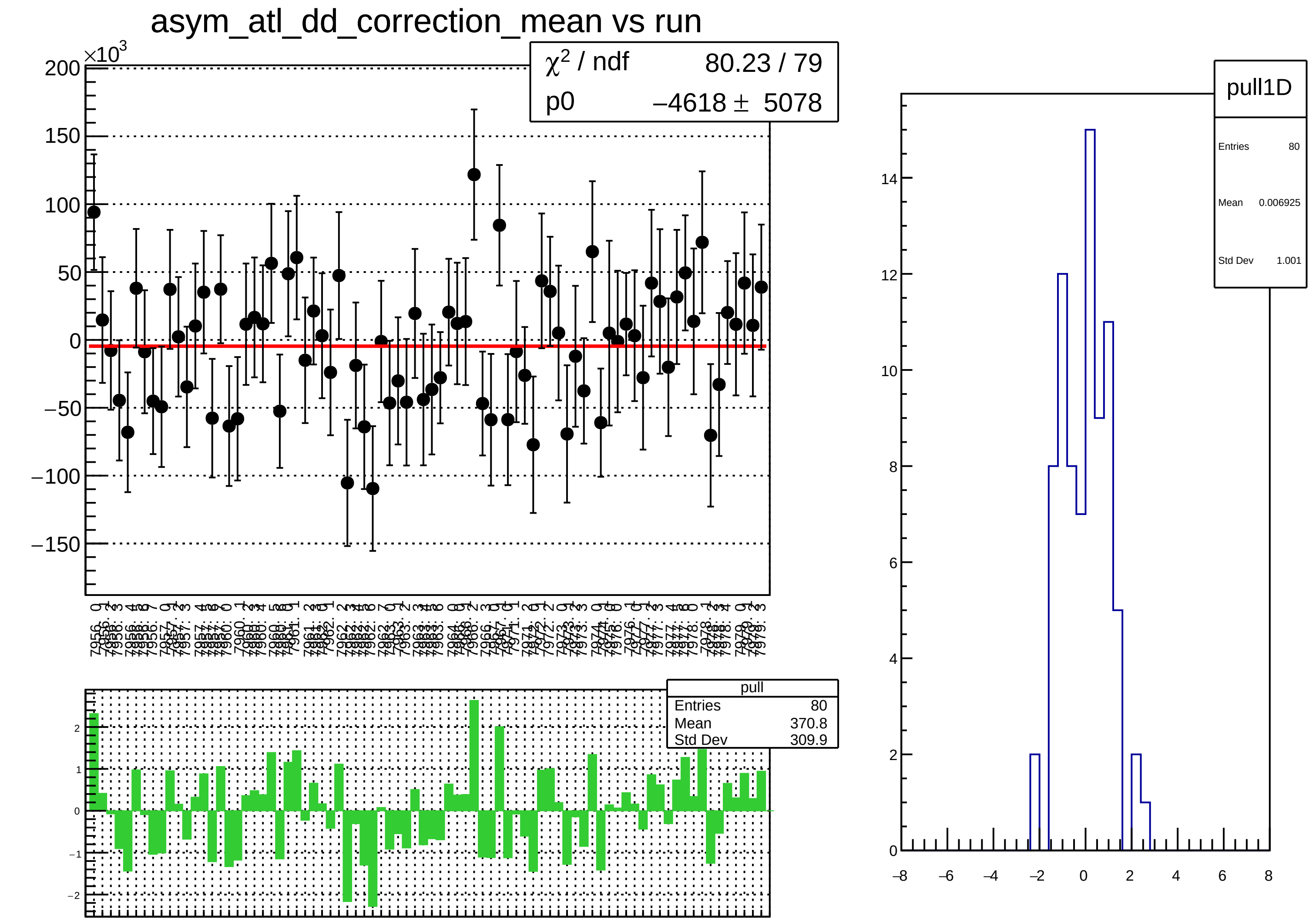

asym_atl_avg_mean vs run
×10^3
χ2 / ndf 80.8 / 79
p0 −1.069e+04 ± 5379
pull
Entries 80
Mean 957.8
Std Dev 905.7
pull1D
Entries 80
Mean 0.003446
Std Dev 1.005

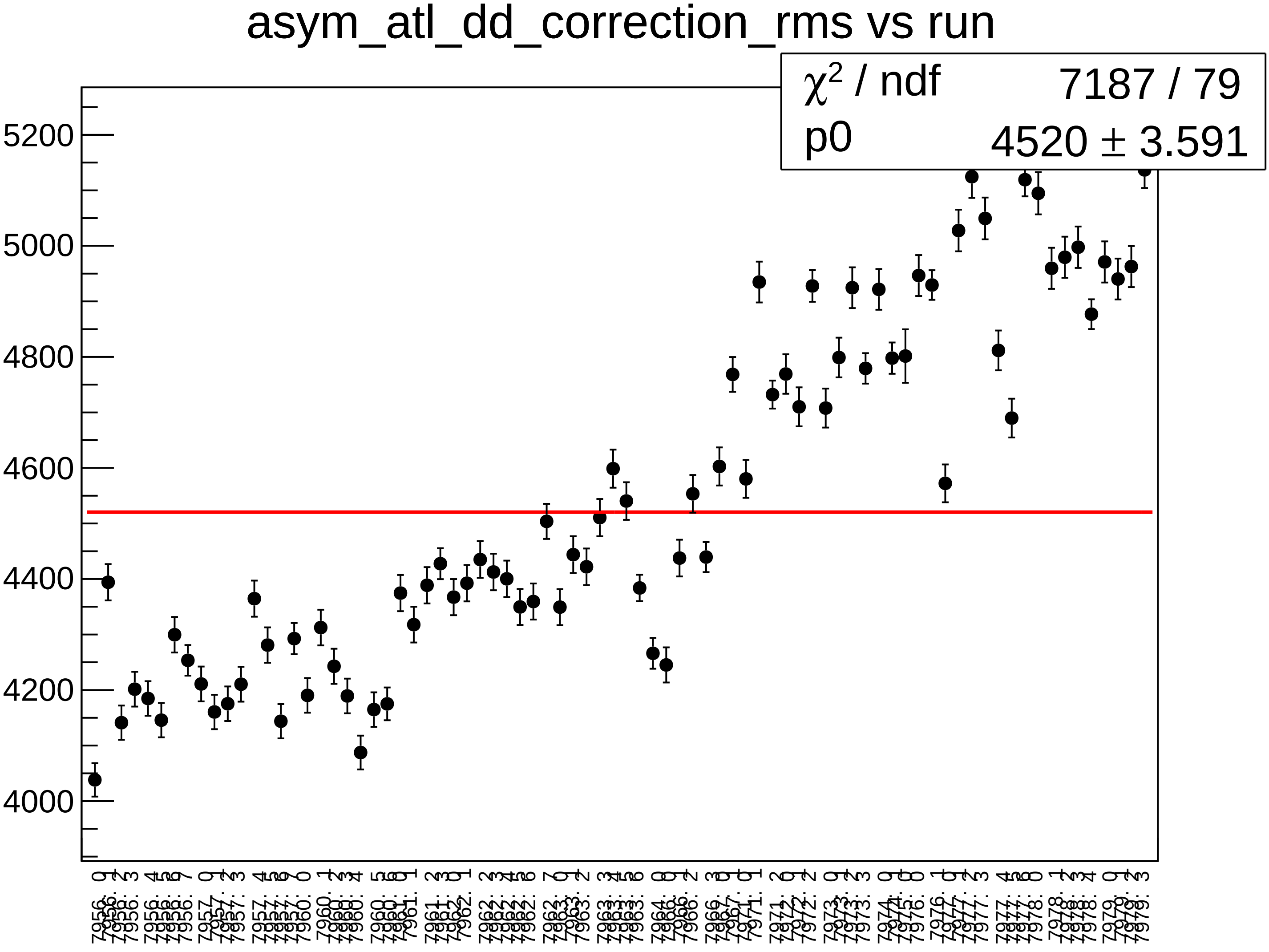

asym_atl_avg_rms vs run
χ² / ndf 9450 / 79
p0 4785 ± 3.804
7000
6500
6000
5500
5000
4500
4000
3500

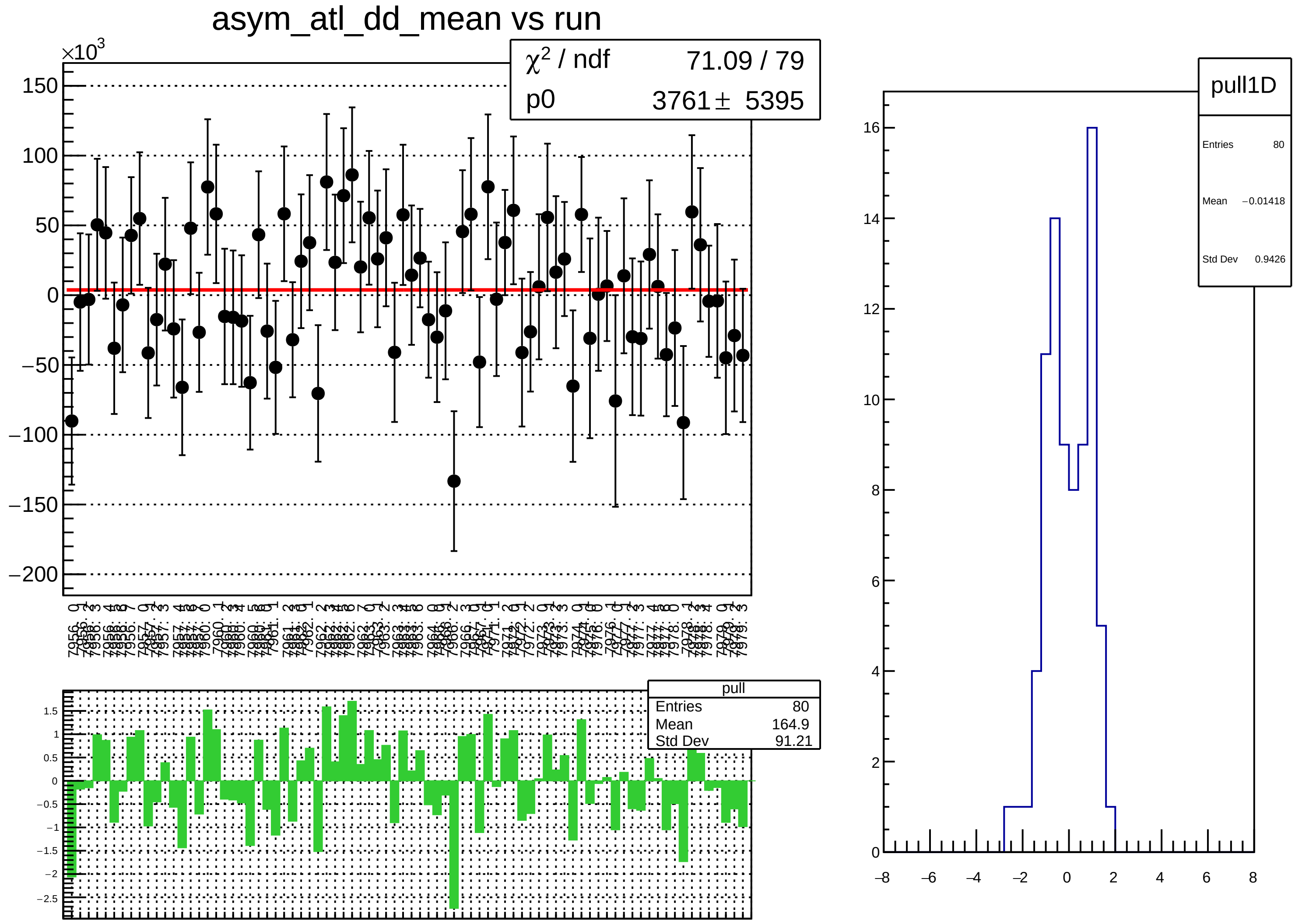

dit_asym_atl_dd_mean vs run
χ^2 / ndf 66.11 / 79
p0 −87.18 ± 1814
pull
Entries 80
Mean −4.212
Std Dev 22.63
pull1D
Entries 80
Mean −0.03753
Std Dev 0.9083



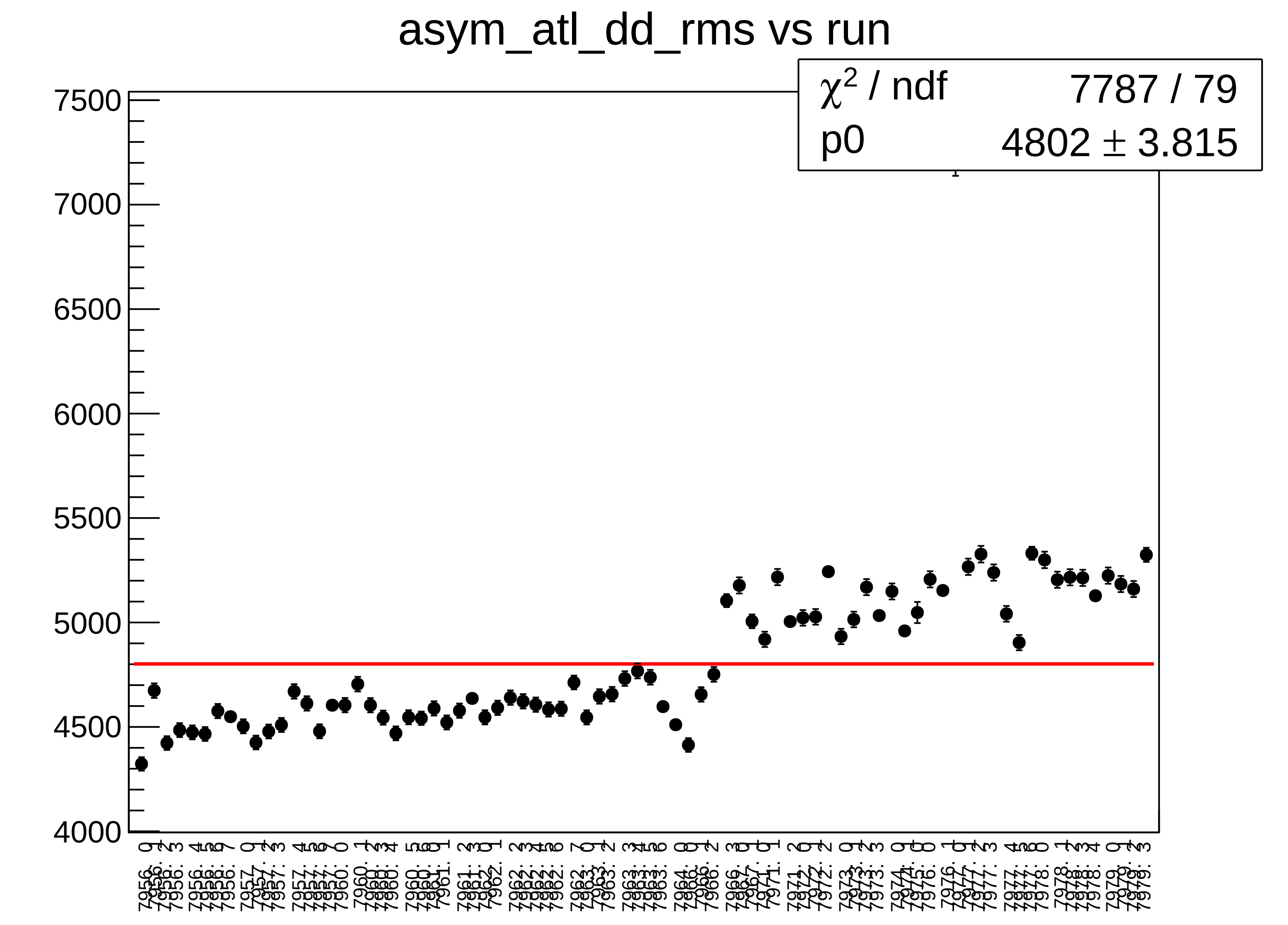
dit_asym_atl_dd_rms vs run
χ2 / ndf 9621 / 79
p0 1613 ± 1.283
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_atl_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 80.23 / 79
p0 −4618 ± 5078
pull
Entries 80
Mean 370.8
Std Dev 309.9
pull1D
Entries 80
Mean 0.006925
Std Dev 1.001

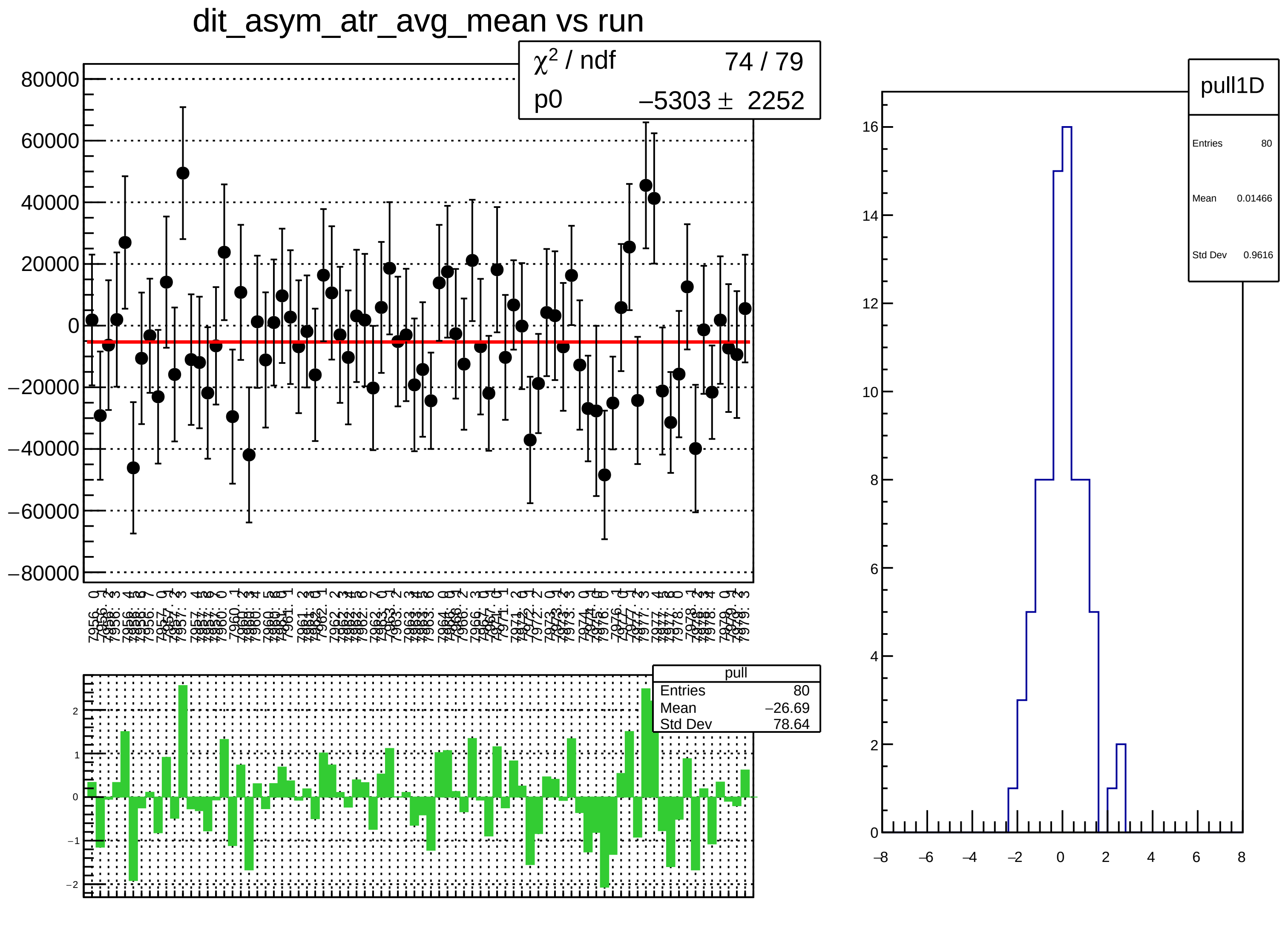

asym_atl_dd_correction_rms vs run
χ^2 / ndf 7187 / 79
p0 4520 ± 3.591
5200
5000
4800
4600
4400
4200
4000



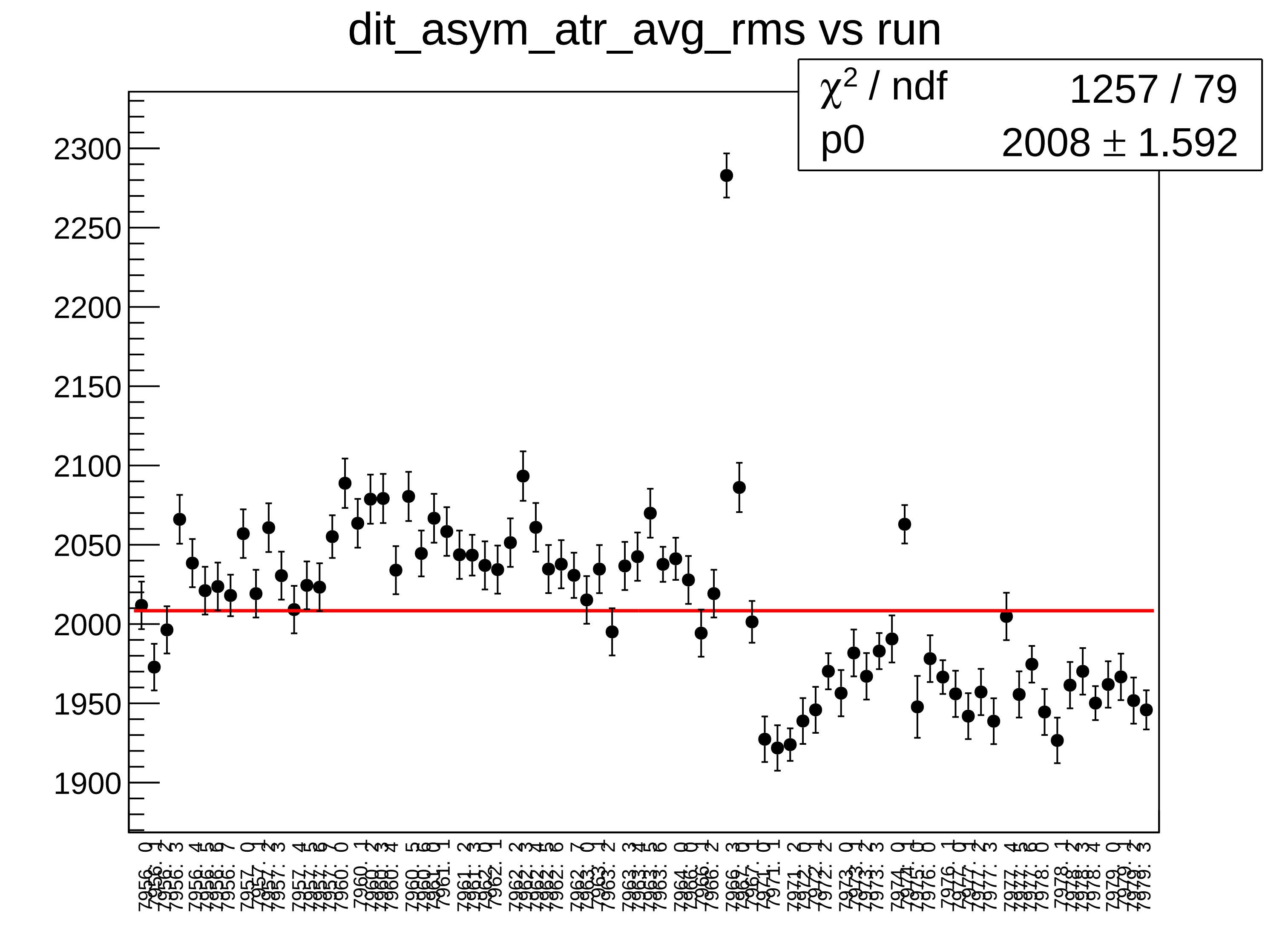
asym_atl_dd_mean vs run
×10^3
χ2 / ndf 71.09 / 79
p0 3761 ± 5395
pull
Entries 80
Mean 164.9
Std Dev 91.21
pull1D
Entries 80
Mean −0.01418
Std Dev 0.9426



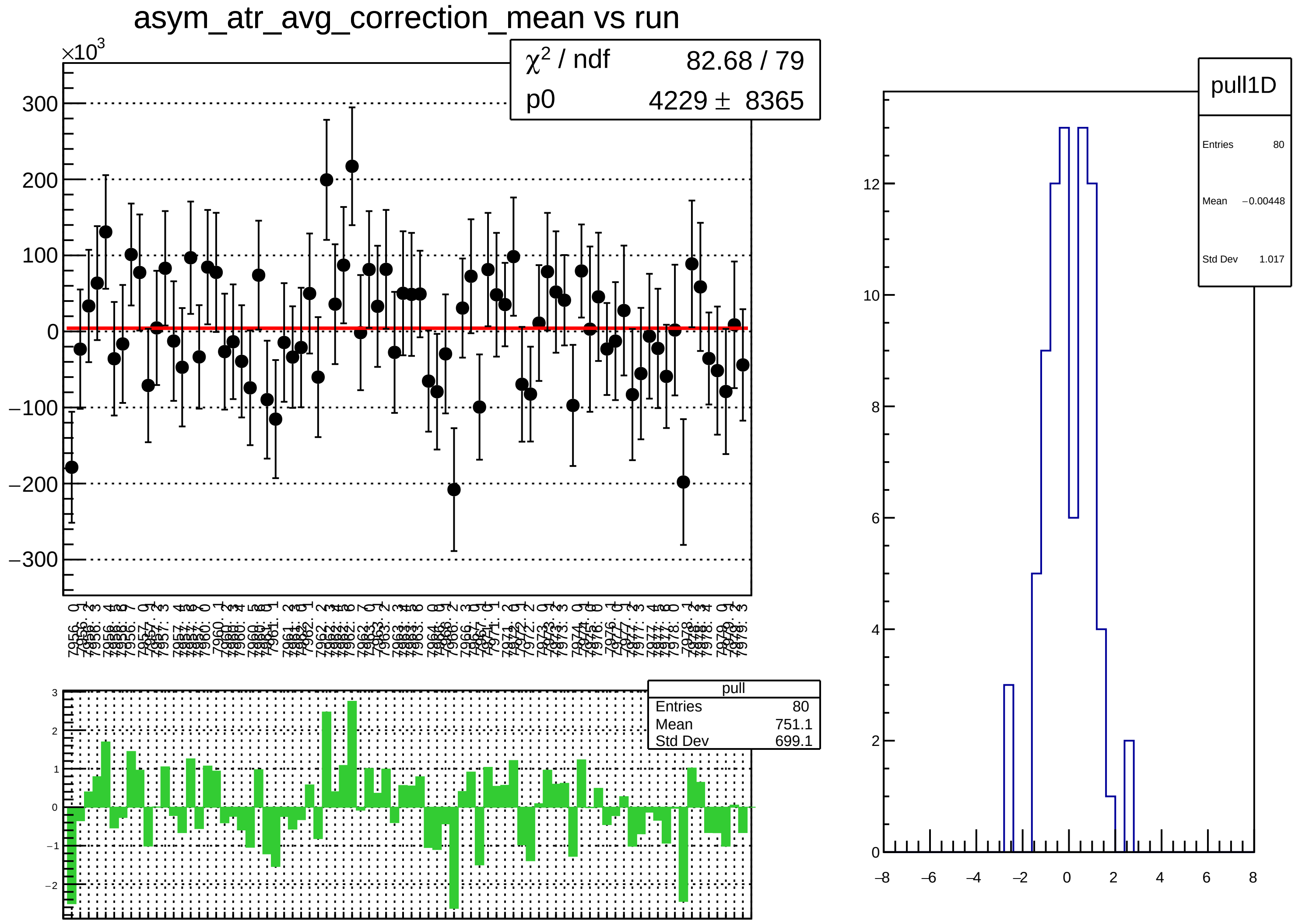
asym_atl_dd_rms vs run
χ^2 / ndf 7787 / 79
p0 4802 ± 3.815



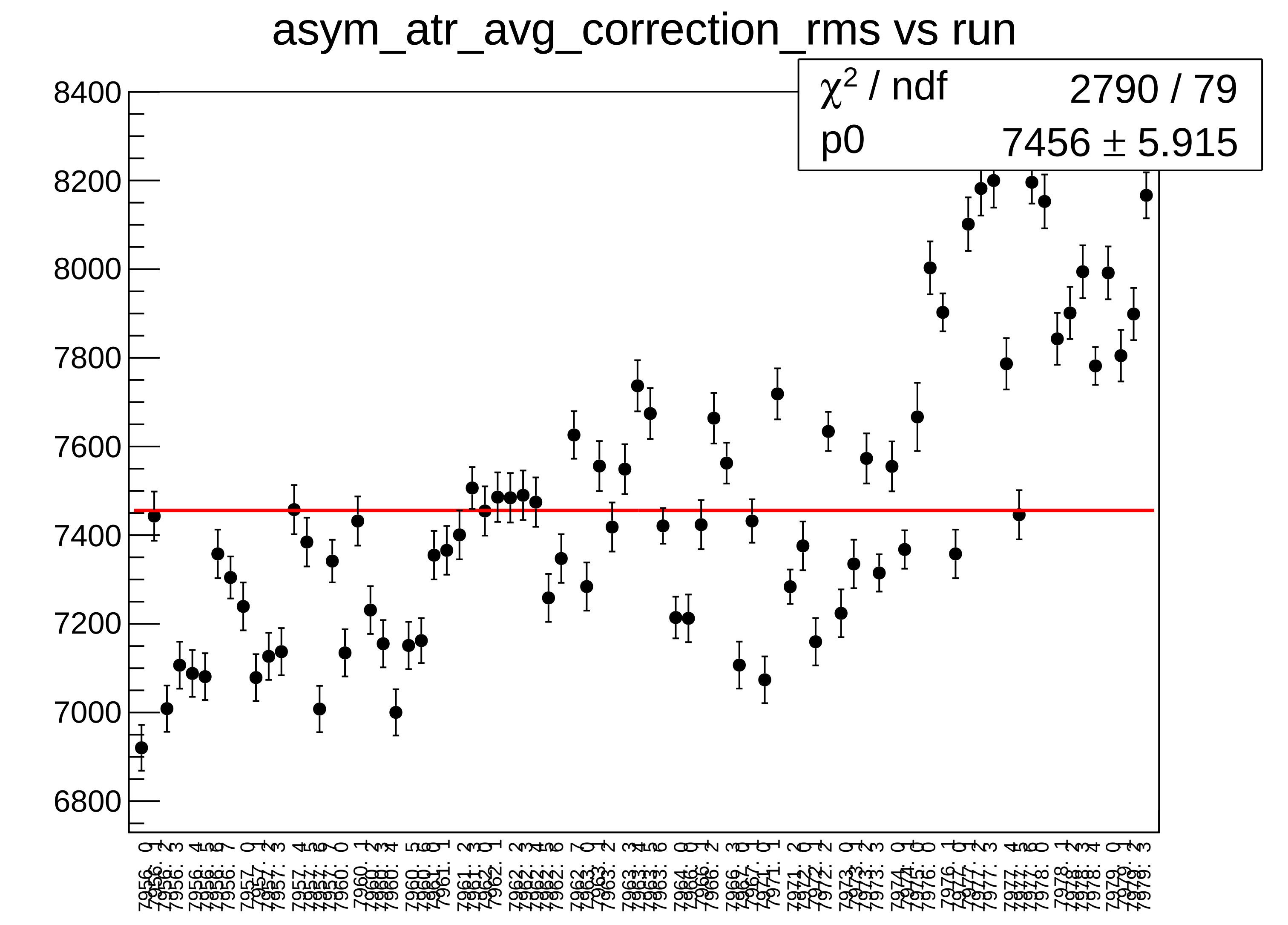
dit_asym_atr_avg_mean vs run
χ^2 / ndf 74 / 79
p0 −5303 ± 2252
pull
Entries 80
Mean −26.69
Std Dev 78.64
pull1D
Entries 80
Mean 0.01466
Std Dev 0.9616



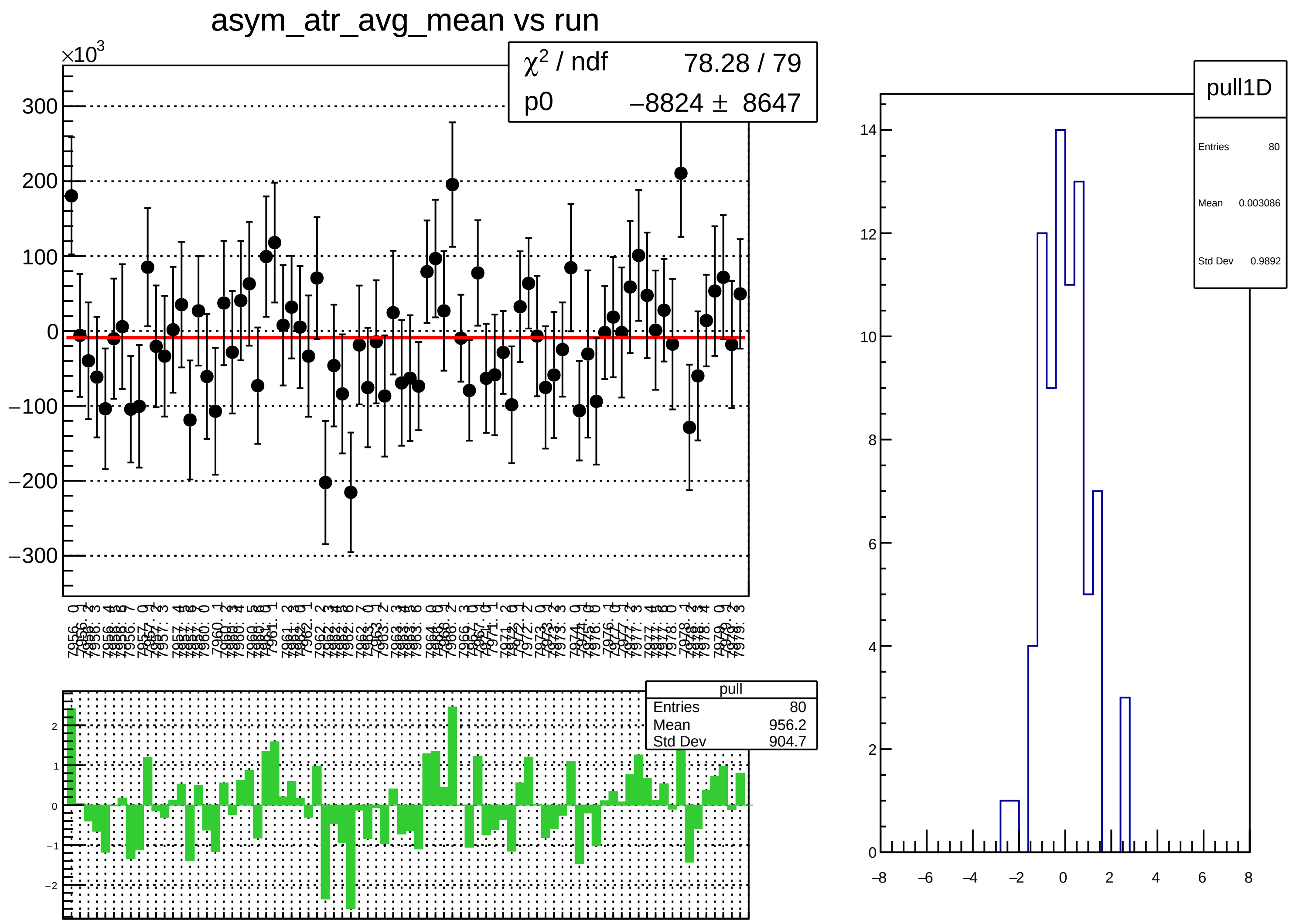
dit_asym_atr_avg_rms vs run
χ2 / ndf 1257 / 79
p0 2008 ± 1.592
2300
2250
2200
2150
2100
2050
2000
1950
1900

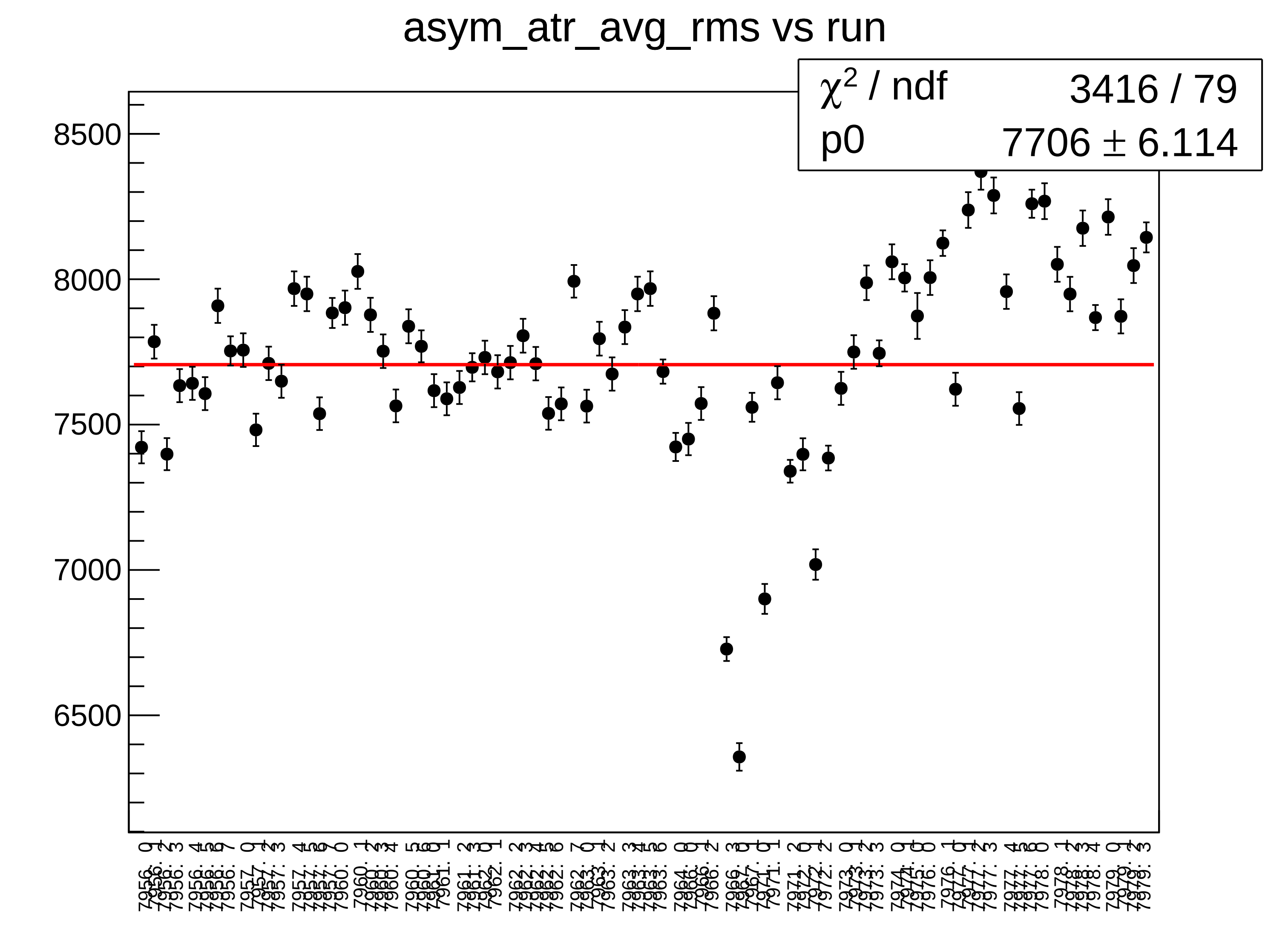


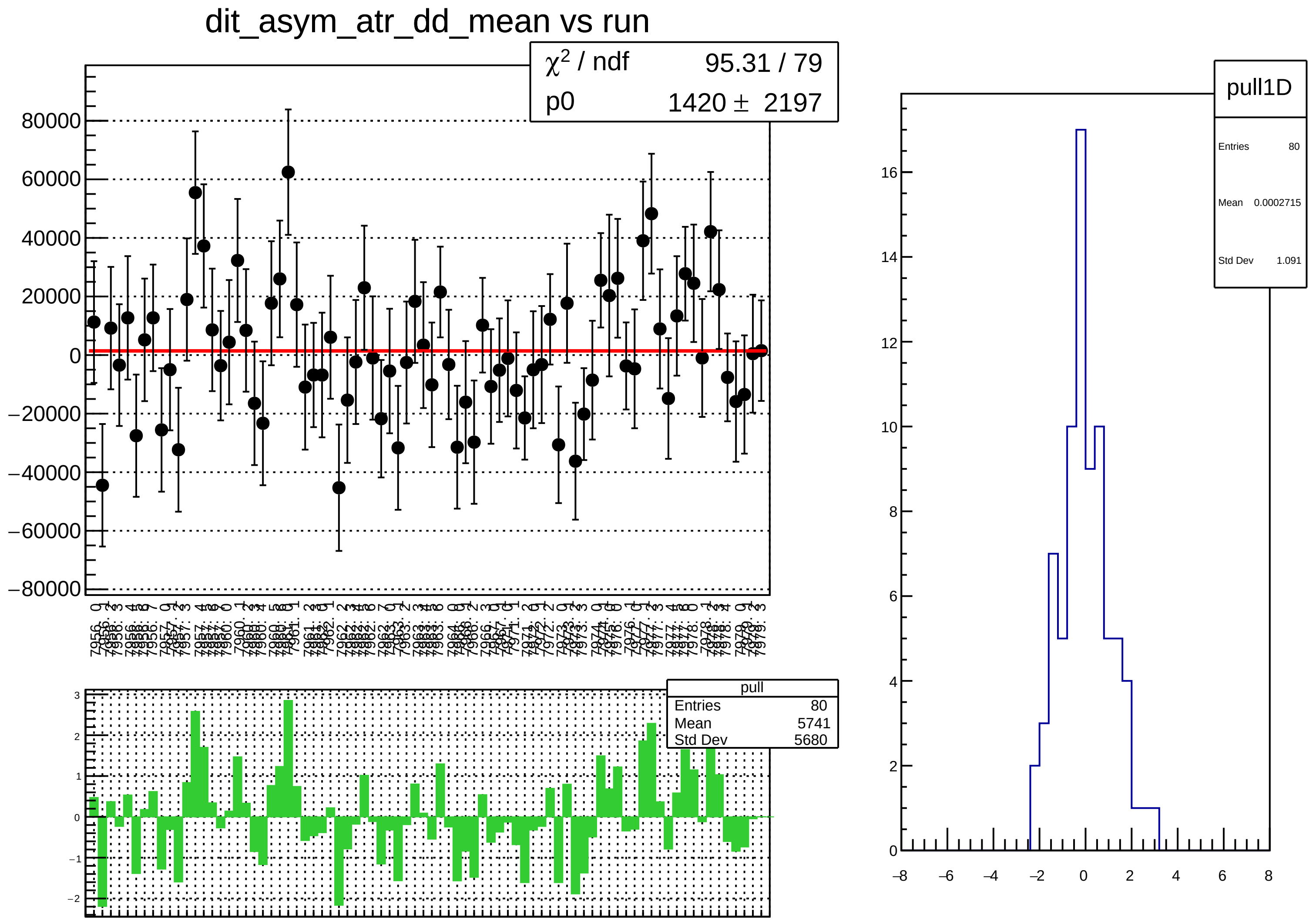
asym_atr_avg_correction_mean vs run
χ^2 / ndf 82.68 / 79
p0 4229 ± 8365
pull
Entries 80
Mean 751.1
Std Dev 699.1
pull1D
Entries 80
Mean −0.00448
Std Dev 1.017

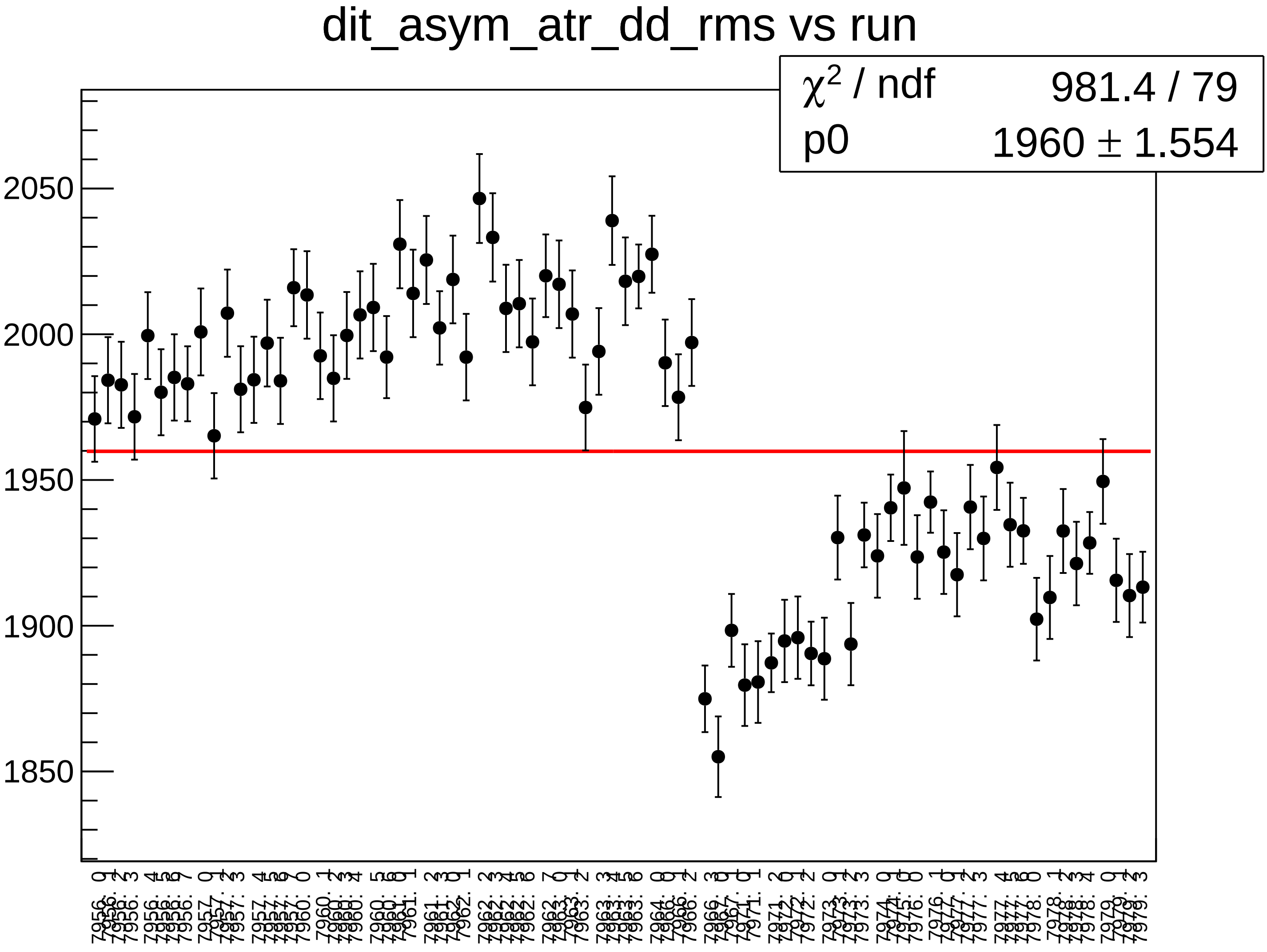


asym_atr_avg_correction_rms vs run
χ^2 / ndf 2790 / 79
p0 7456 ± 5.915
8400
8200
8000
7800
7600
7400
7200
7000
6800

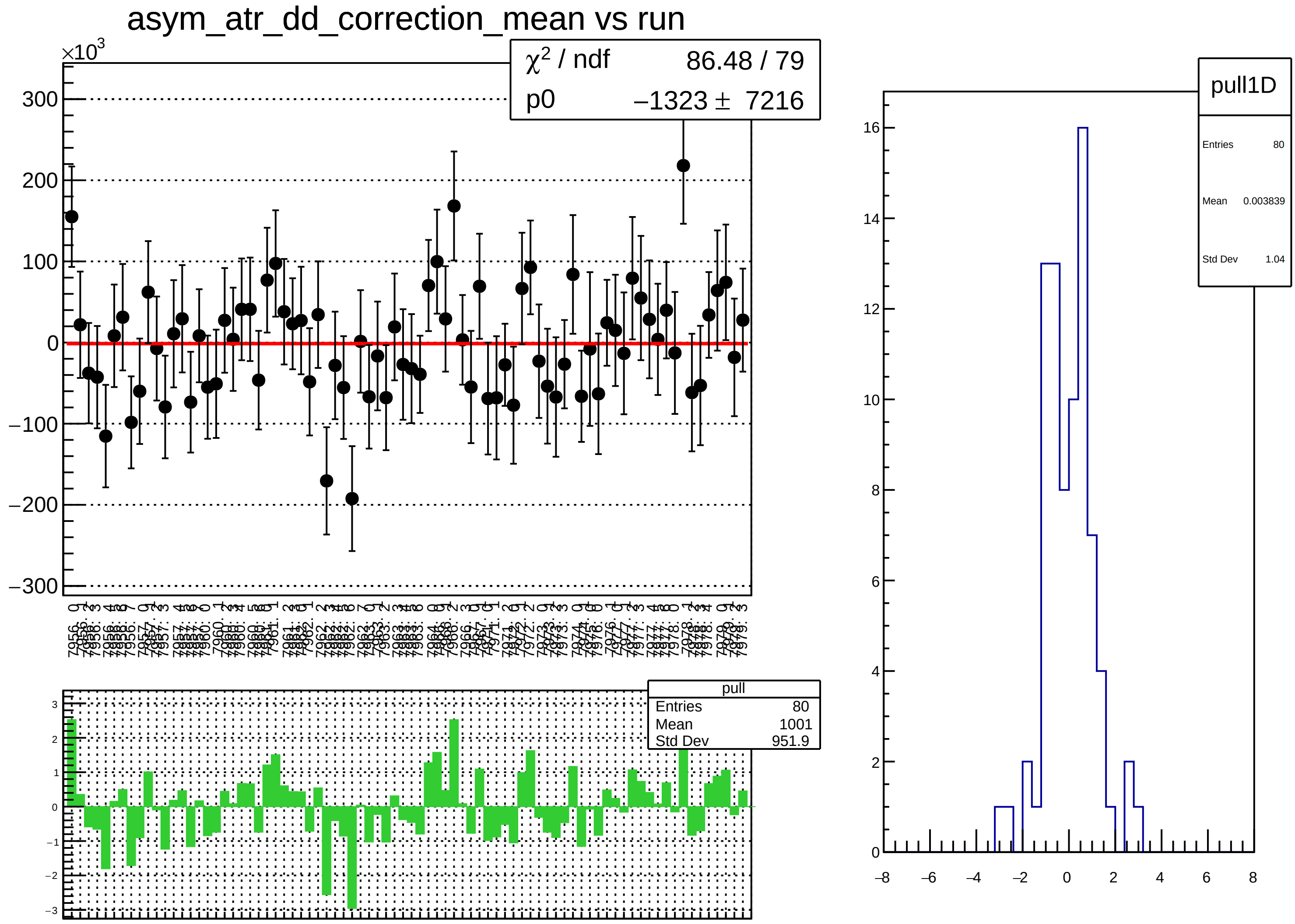

asym_atr_avg_mean vs run
×10^3
χ2 / ndf 78.28 / 79
p0 −8824 ± 8647
pull
Entries 80
Mean 956.2
Std Dev 904.7
pull1D
Entries 80
Mean 0.003086
Std Dev 0.9892


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

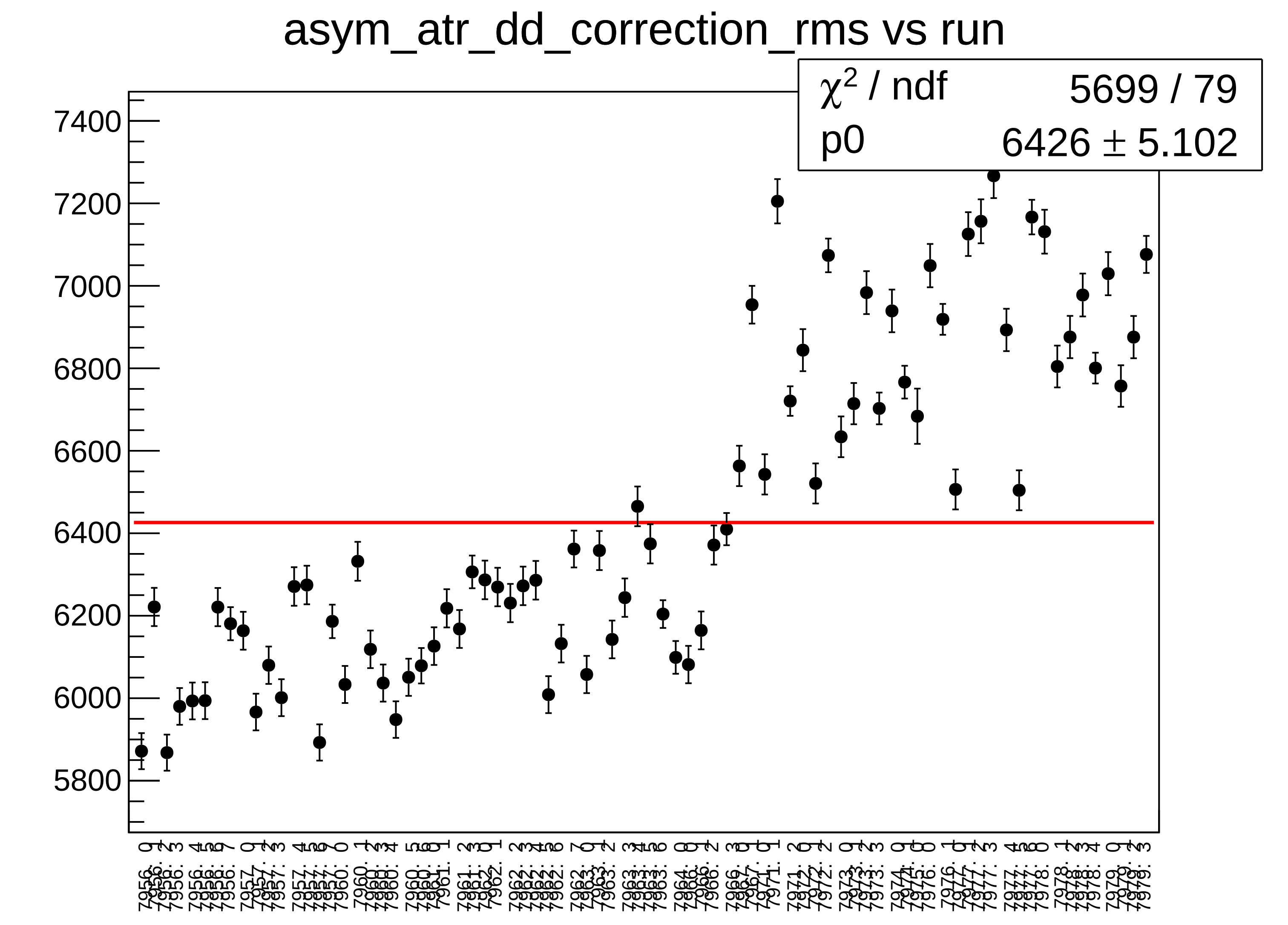

dit_asym_atr_dd_mean vs run
χ^2 / ndf 95.31 / 79
p0 1420 ± 2197
pull
Entries 80
Mean 5741
Std Dev 5680
pull1D
Entries 80
Mean 0.0002715
Std Dev 1.091



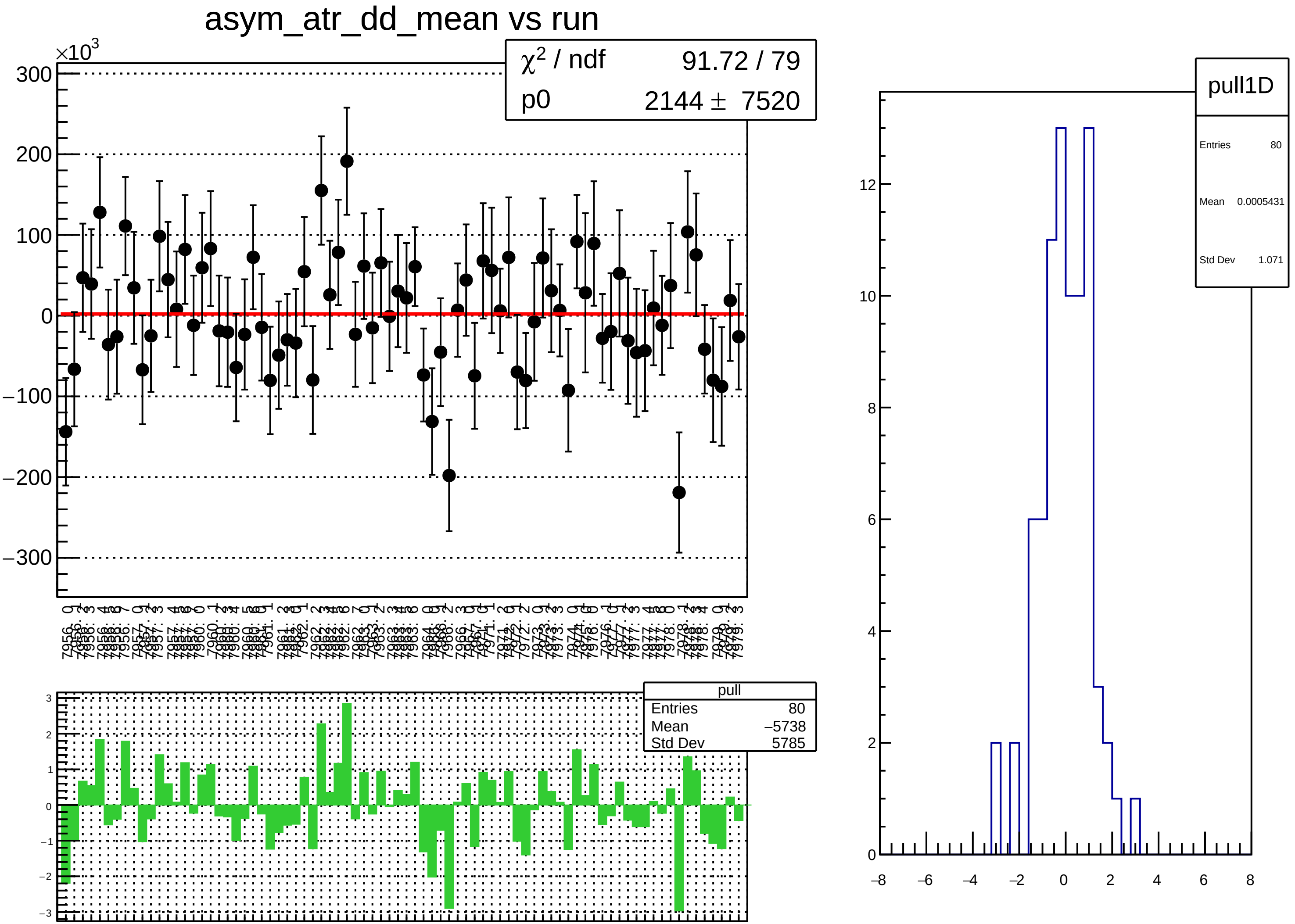
dit_asym_atr_dd_rms vs run
χ^2 / ndf 981.4 / 79
p0 1960 ± 1.554
2050
2000
1950
1900
1850



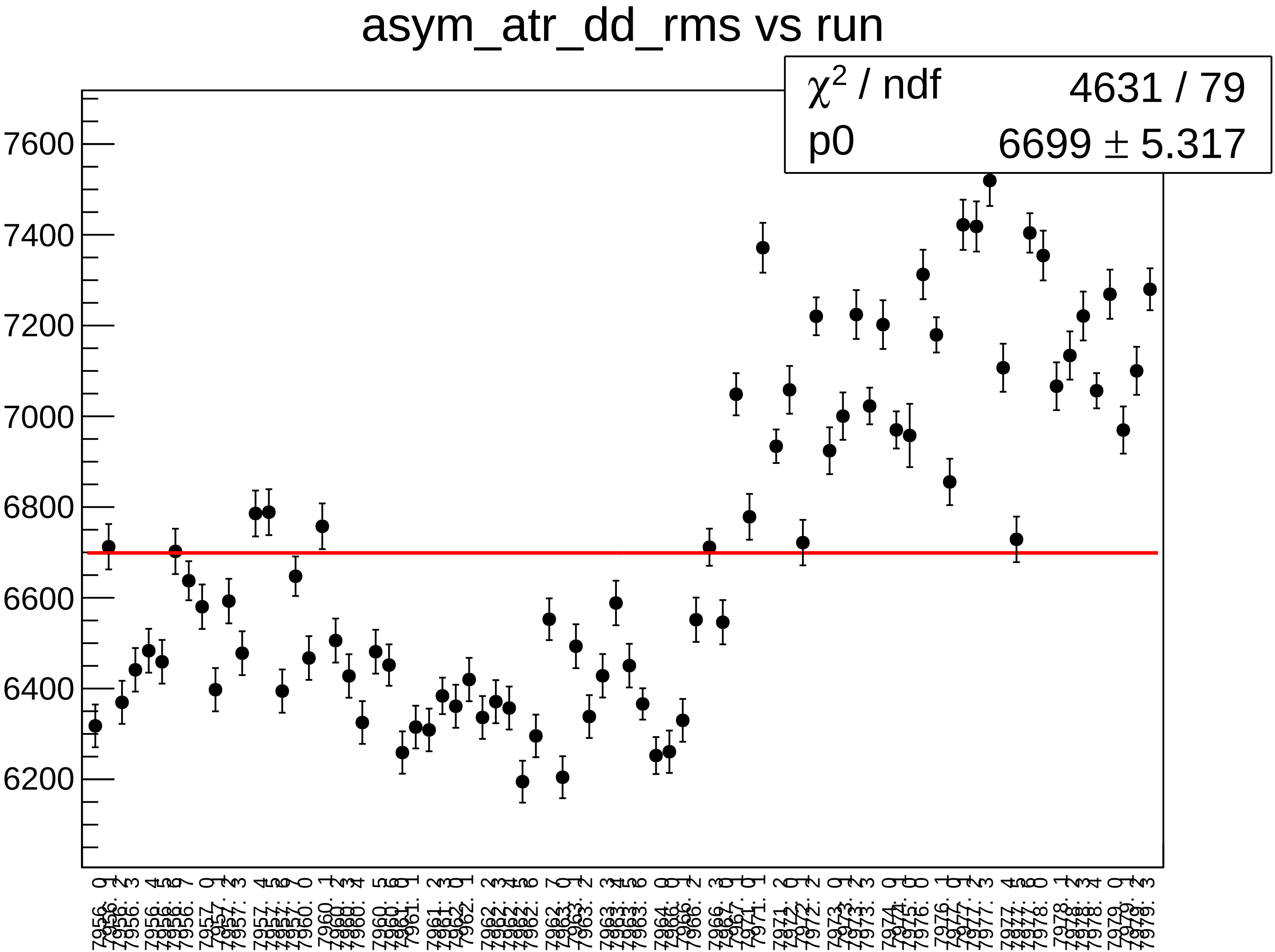
asym_atr_dd_correction_mean vs run
χ^2 / ndf 86.48 / 79
p0 −1323 ± 7216
pull
Entries 80
Mean 1001
Std Dev 951.9
pull1D
Entries 80
Mean 0.003839
Std Dev 1.04

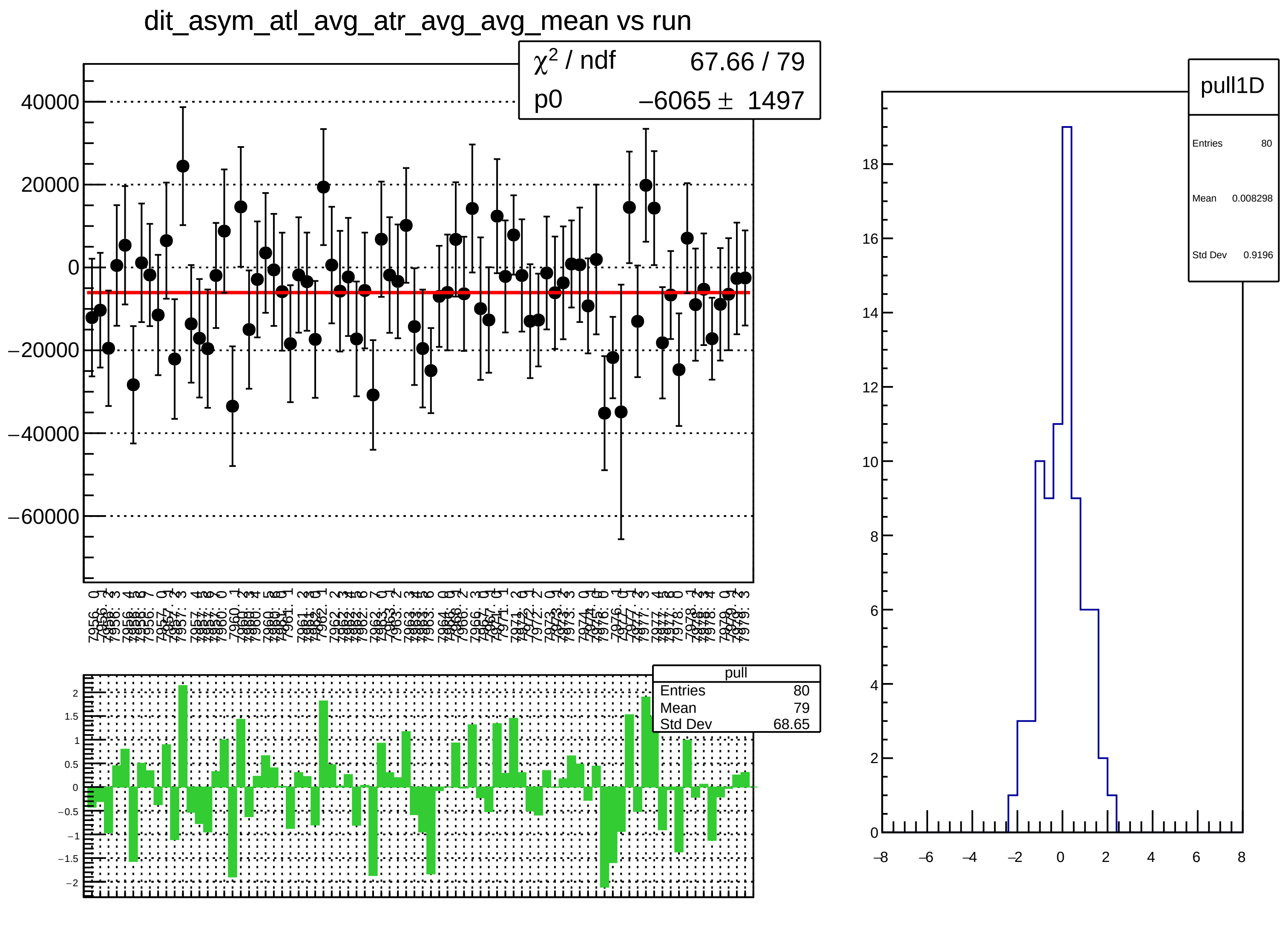


asym_atr_dd_correction_rms vs run
χ^2 / ndf 5699 / 79
p0 6426 ± 5.102
7400
7200
7000
6800
6600
6400
6200
6000
5800

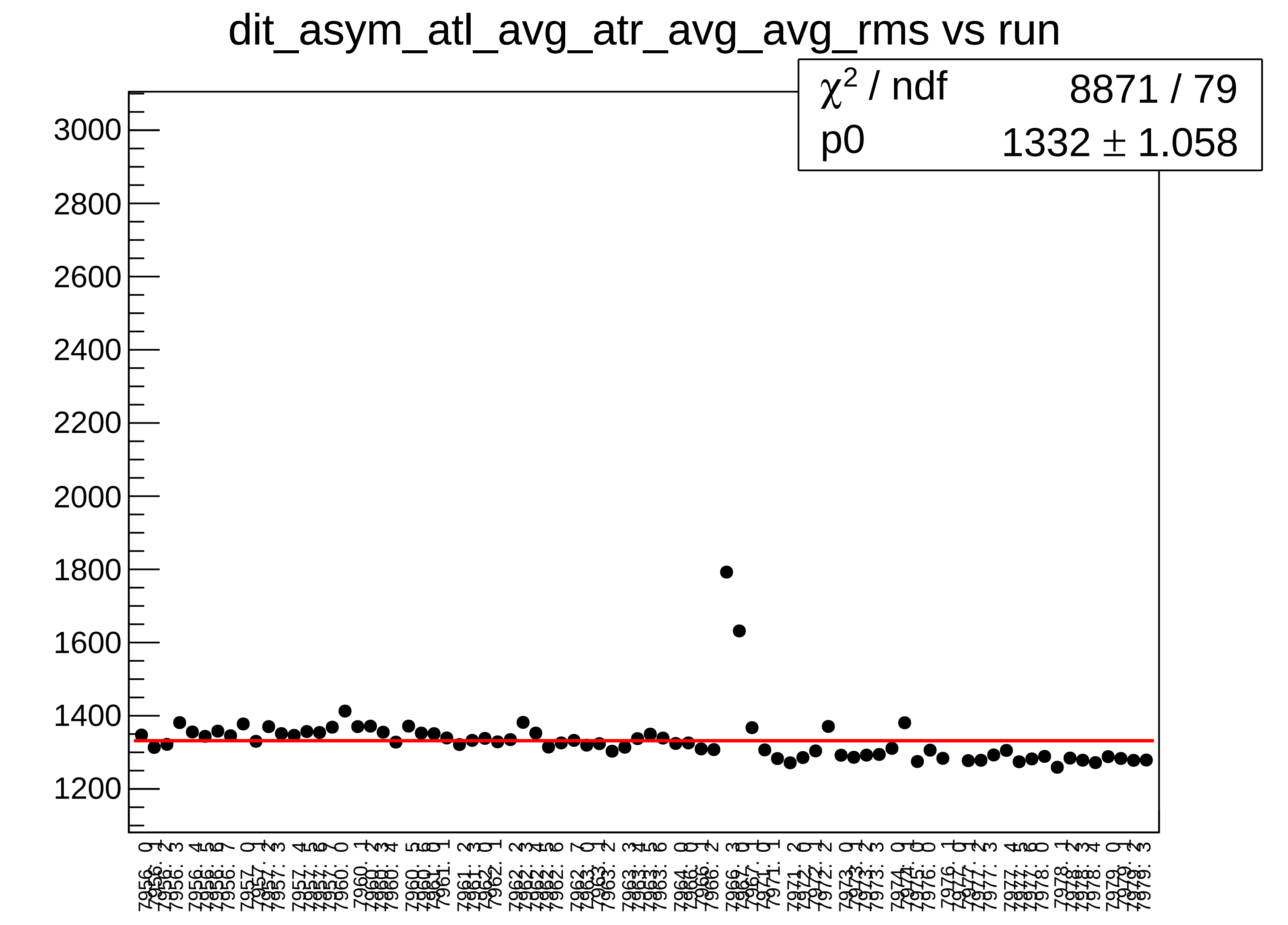


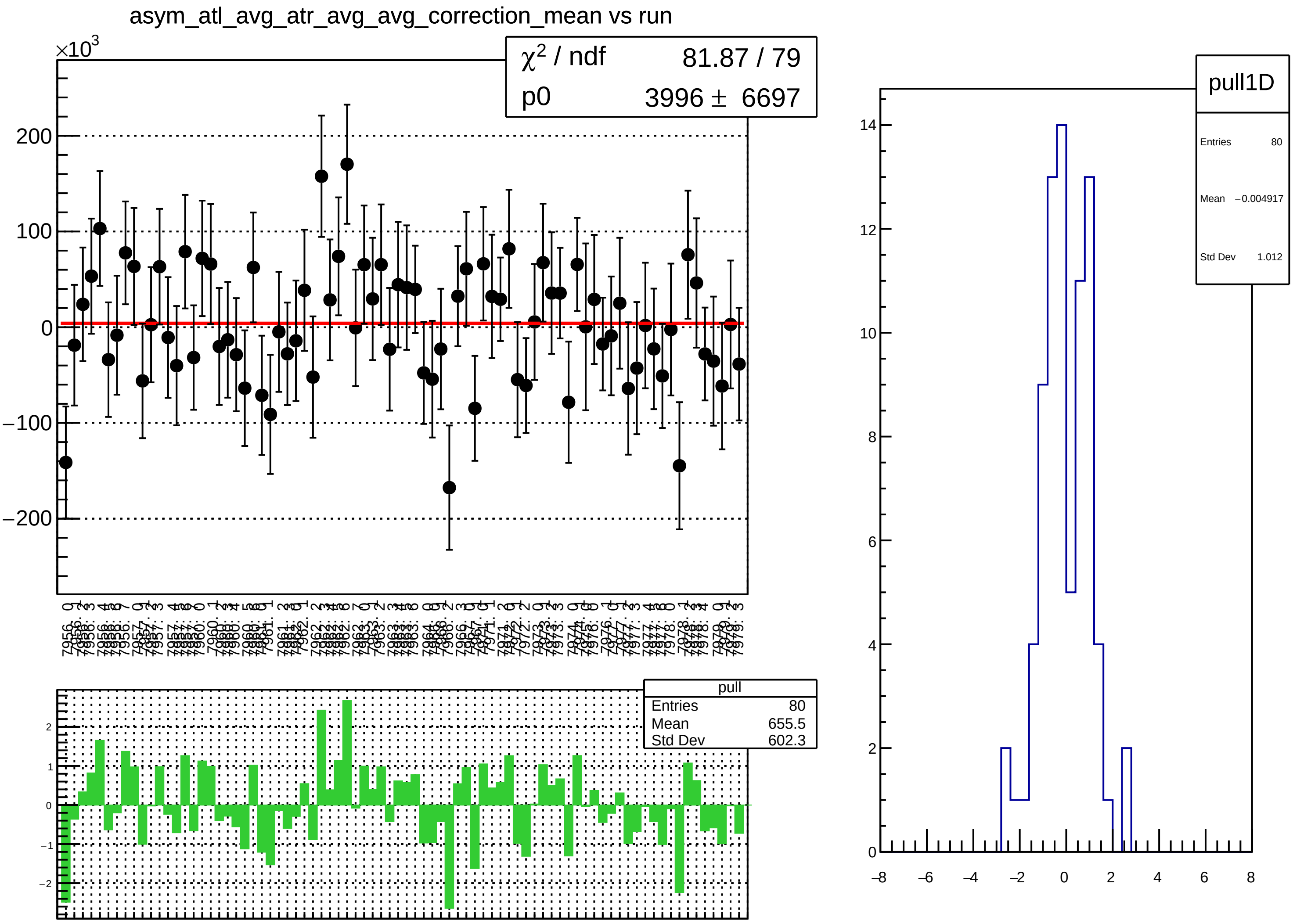
asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 91.72 / 79
p0 2144 ± 7520
pull
Entries 80
Mean −5738
Std Dev 5785
pull1D
Entries 80
Mean 0.0005431
Std Dev 1.071


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

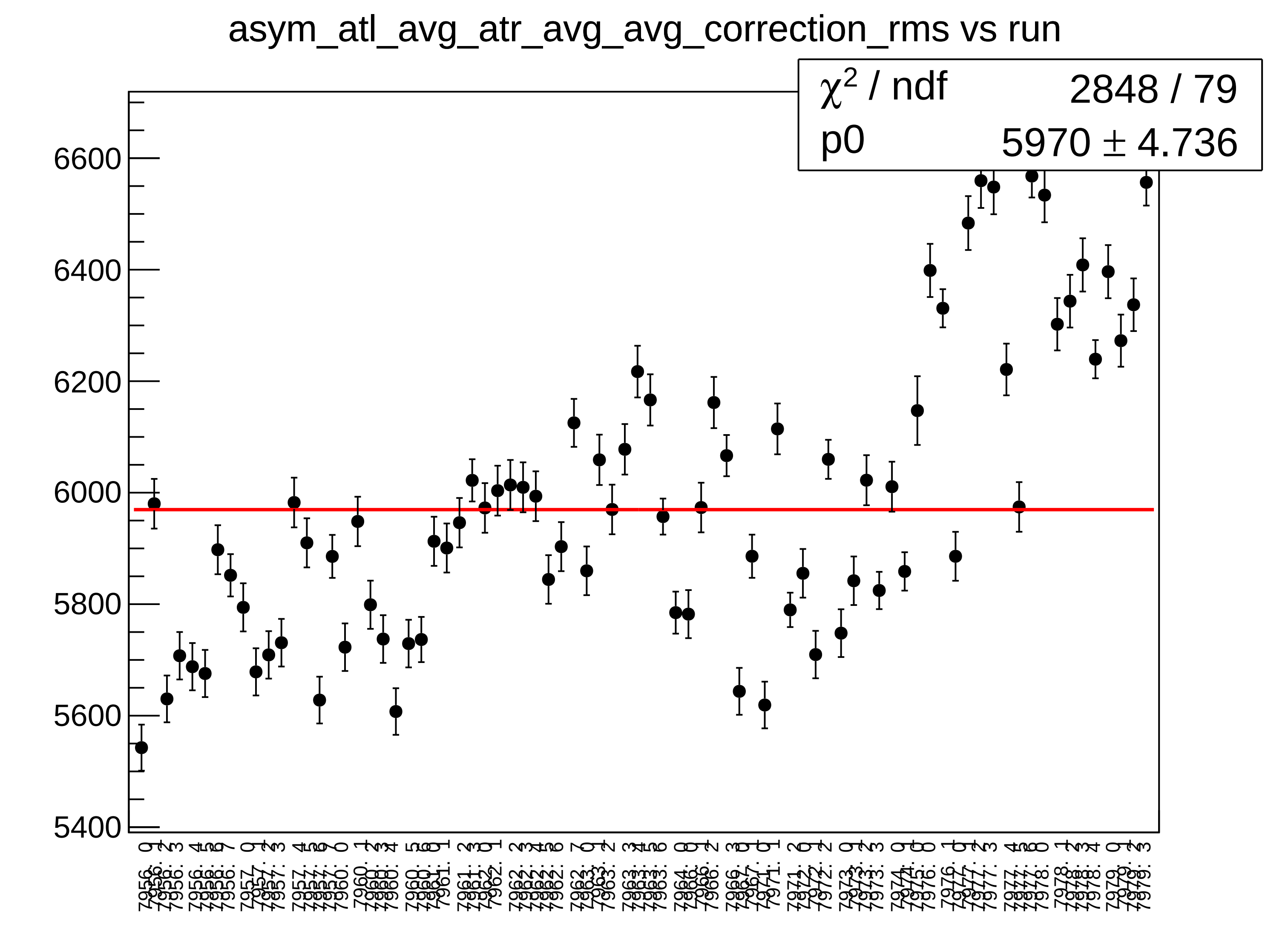


dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 67.66 / 79
p0 −6065 ± 1497
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 79
Std Dev 68.65
pull1D
Entries 80
Mean 0.008298
Std Dev 0.9196

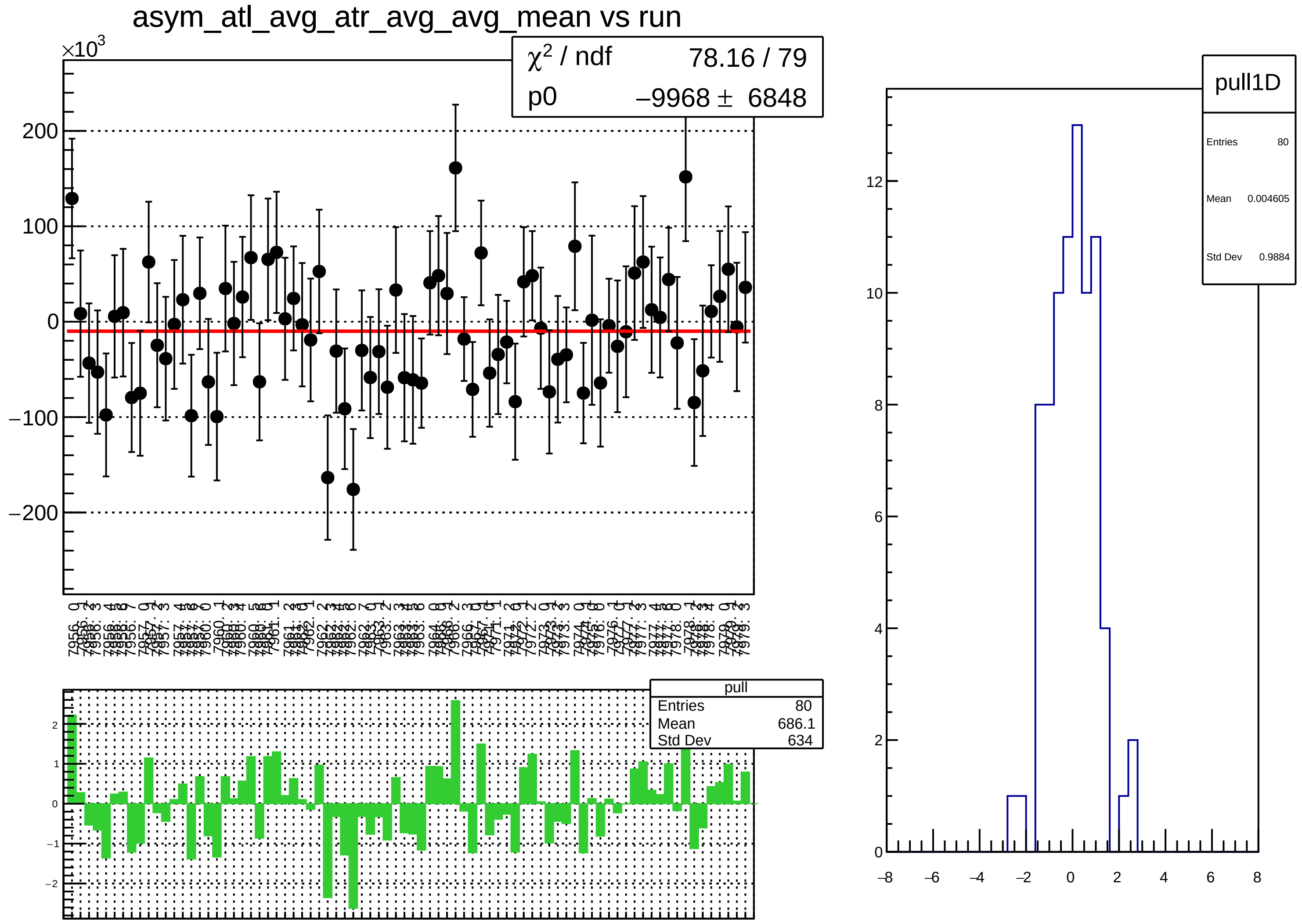

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 8871 / 79
p0 1332 ± 1.058
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200



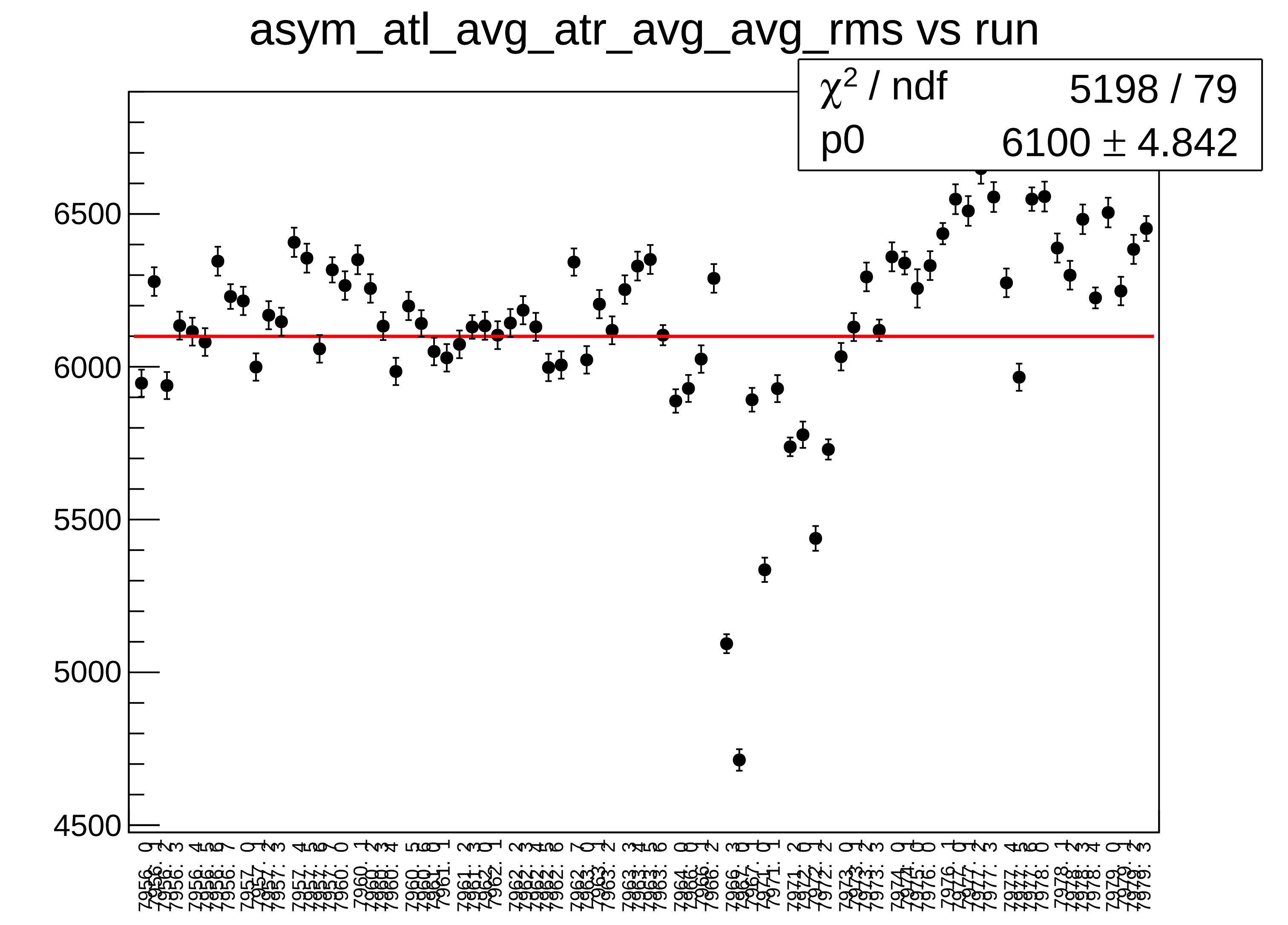
asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 81.87 / 79
p0 3996 ± 6697
pull
Entries 80
Mean 655.5
Std Dev 602.3
pull1D
Entries 80
Mean −0.004917
Std Dev 1.012

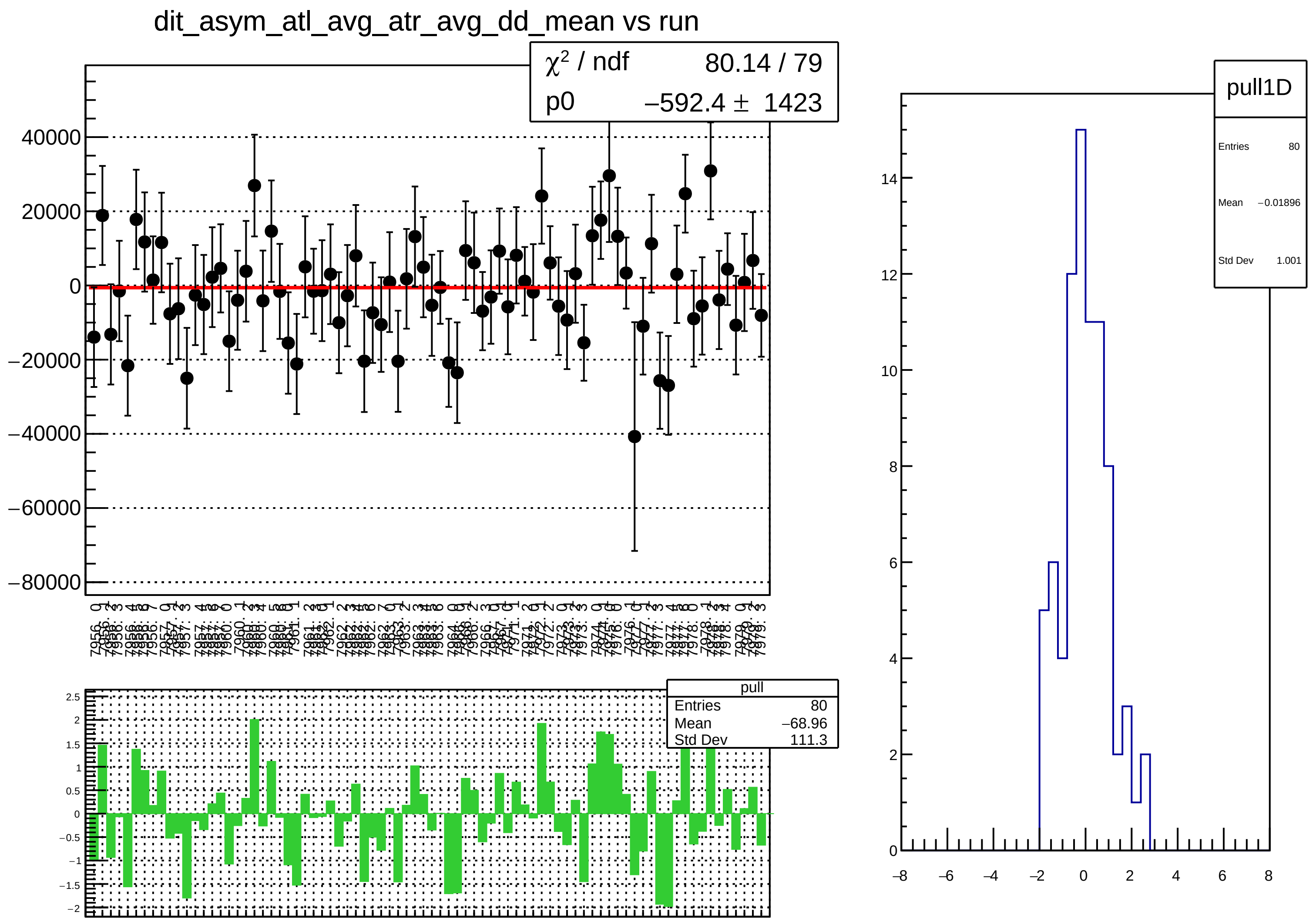


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 2848 / 79
p0 5970 ± 4.736
6600
6400
6200
6000
5800
5600
5400



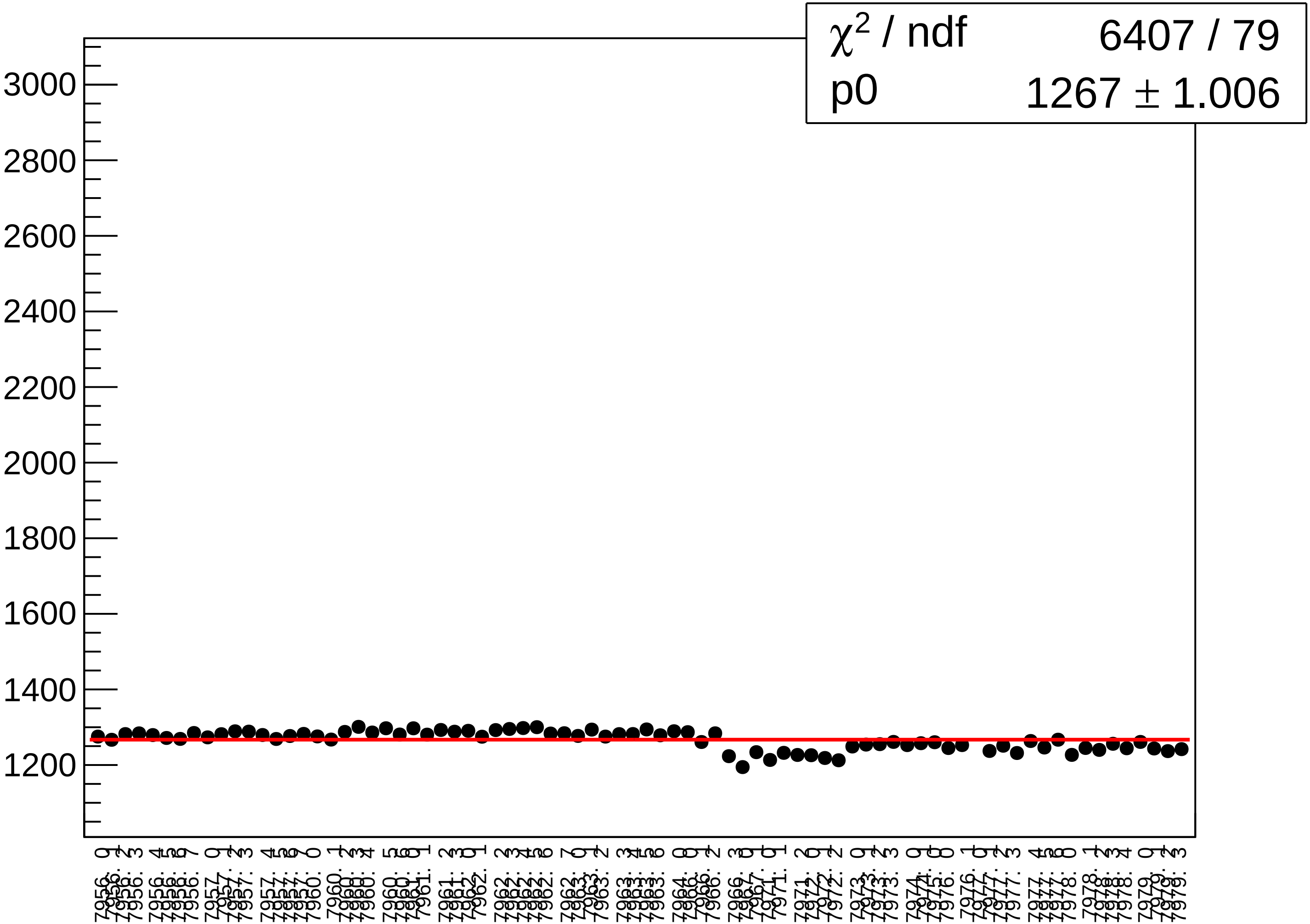
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ2 / ndf 78.16 / 79
p0 −9968 ± 6848
200
100
0
−100
−200
pull
Entries 80
Mean 686.1
Std Dev 634
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.004605
Std Dev 0.9884
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

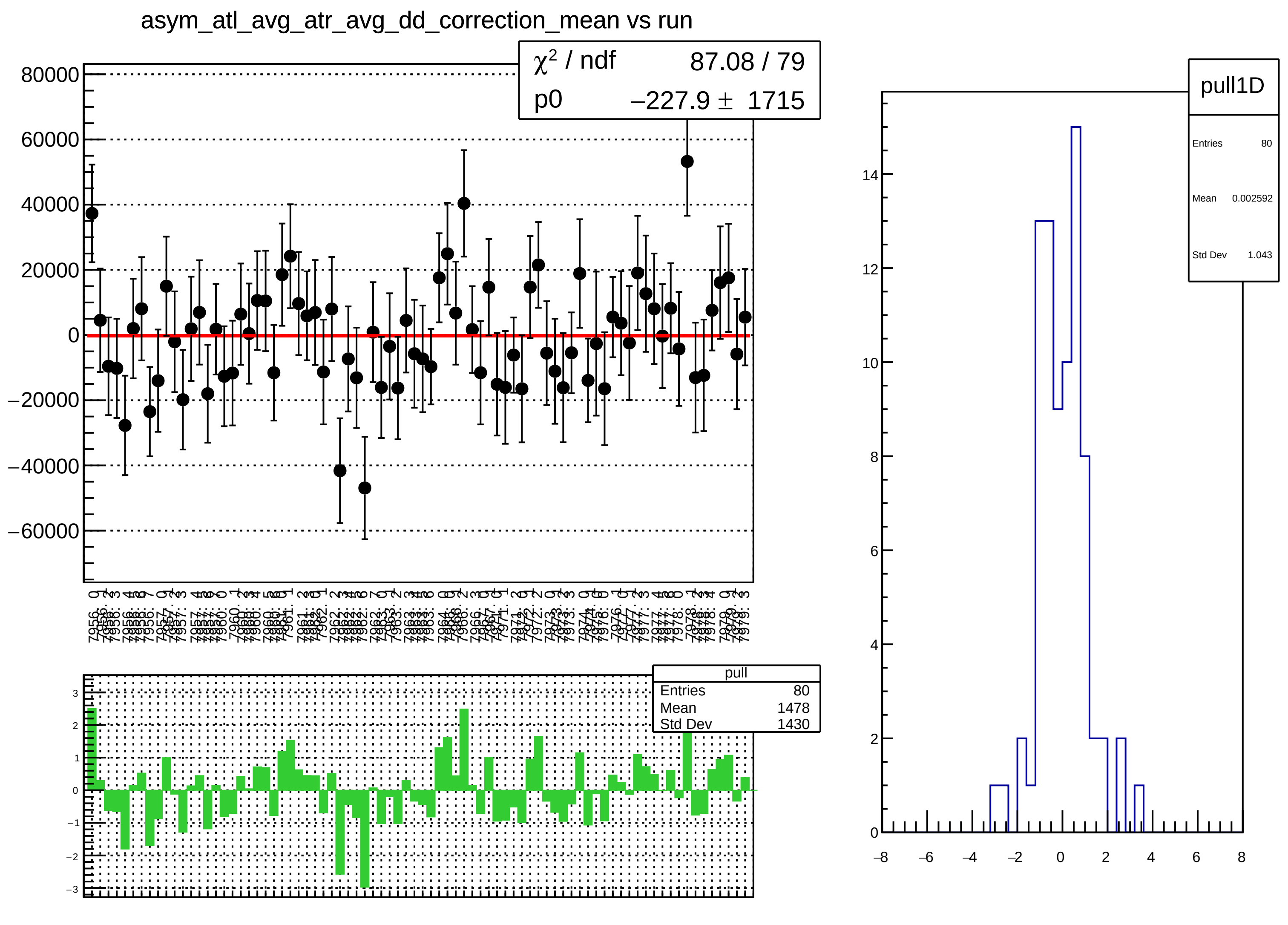

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 5198 / 79
p0 6100 ± 4.842
6500
6000
5500
5000
4500

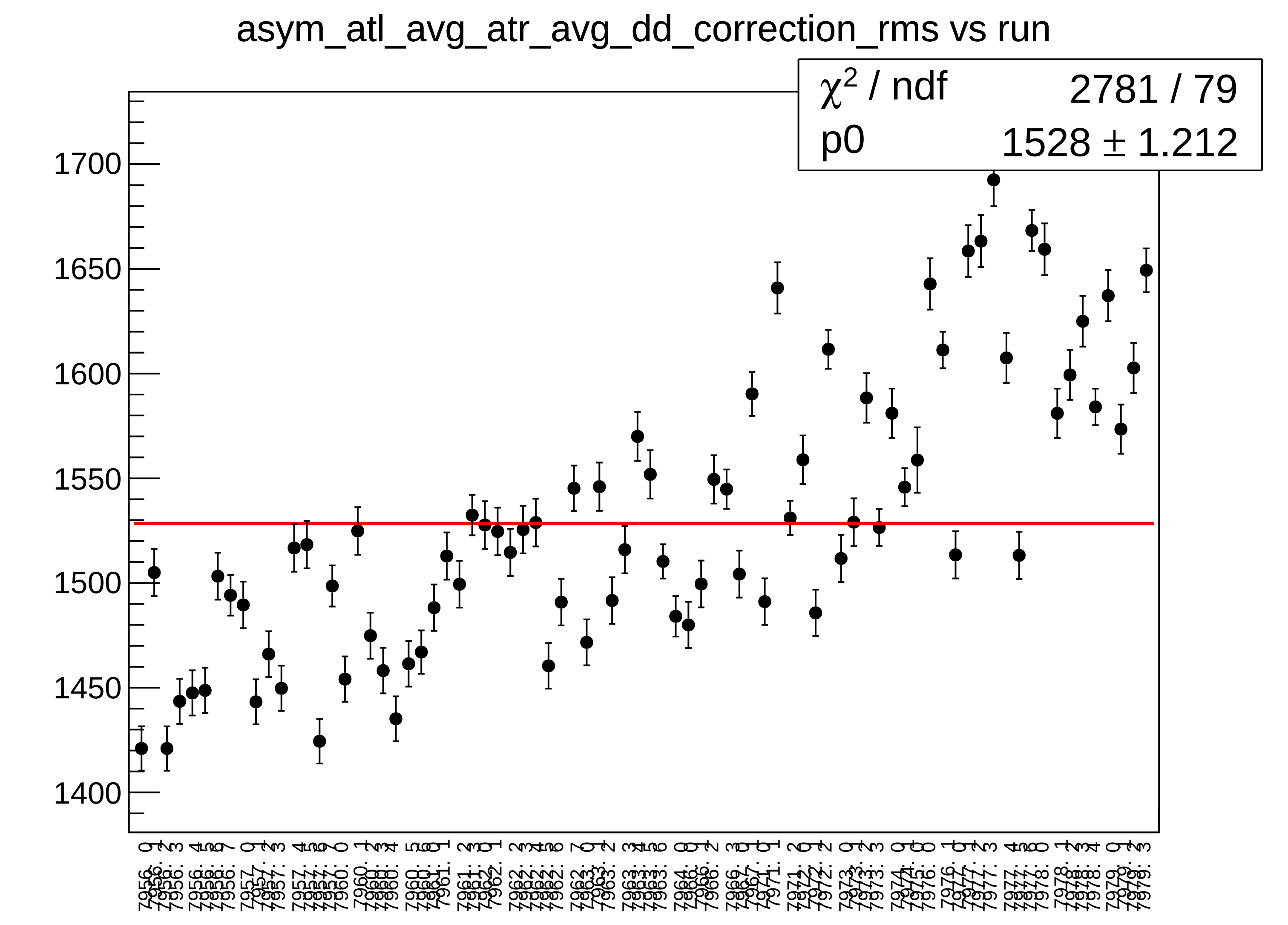


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ2 / ndf 80.14 / 79
p0 −592.4 ± 1423
pull
Entries 80
Mean −68.96
Std Dev 111.3
pull1D
Entries 80
Mean −0.01896
Std Dev 1.001

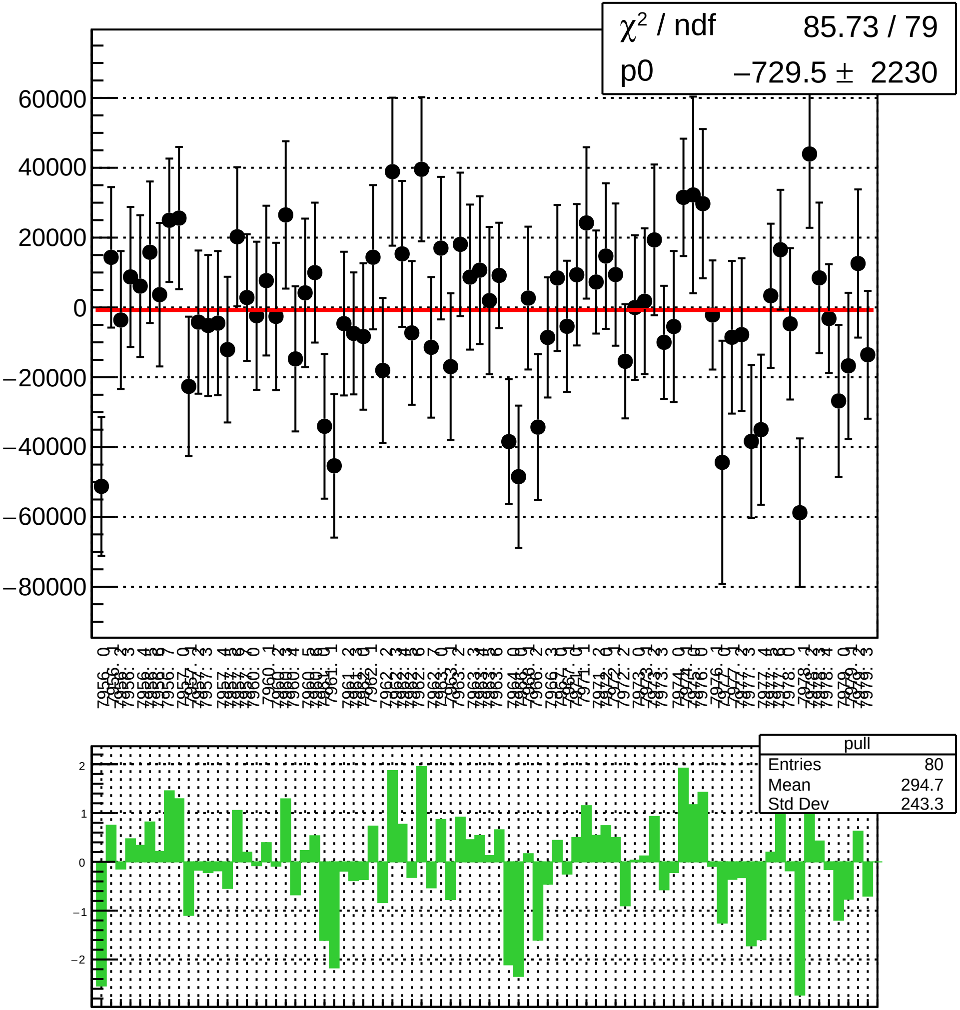
dit_asym_atl_avg_atr_avg_dd_rms vs run

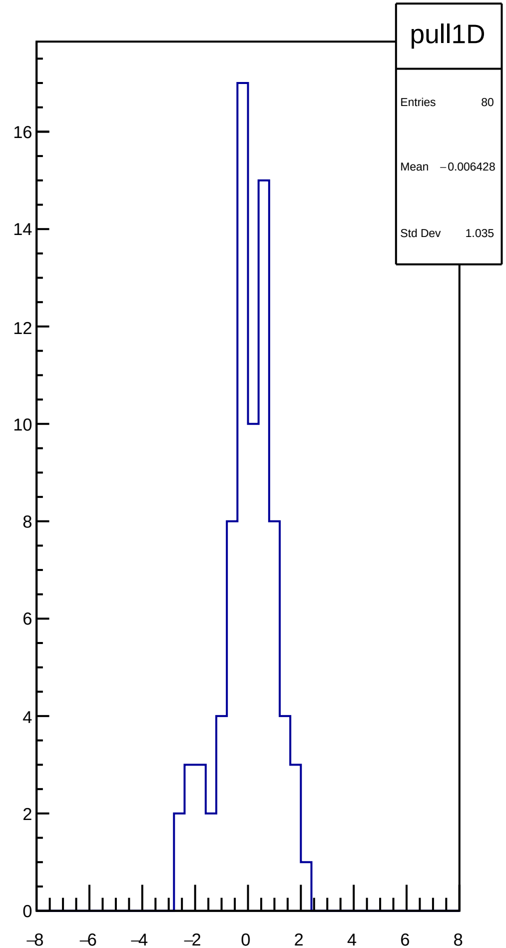


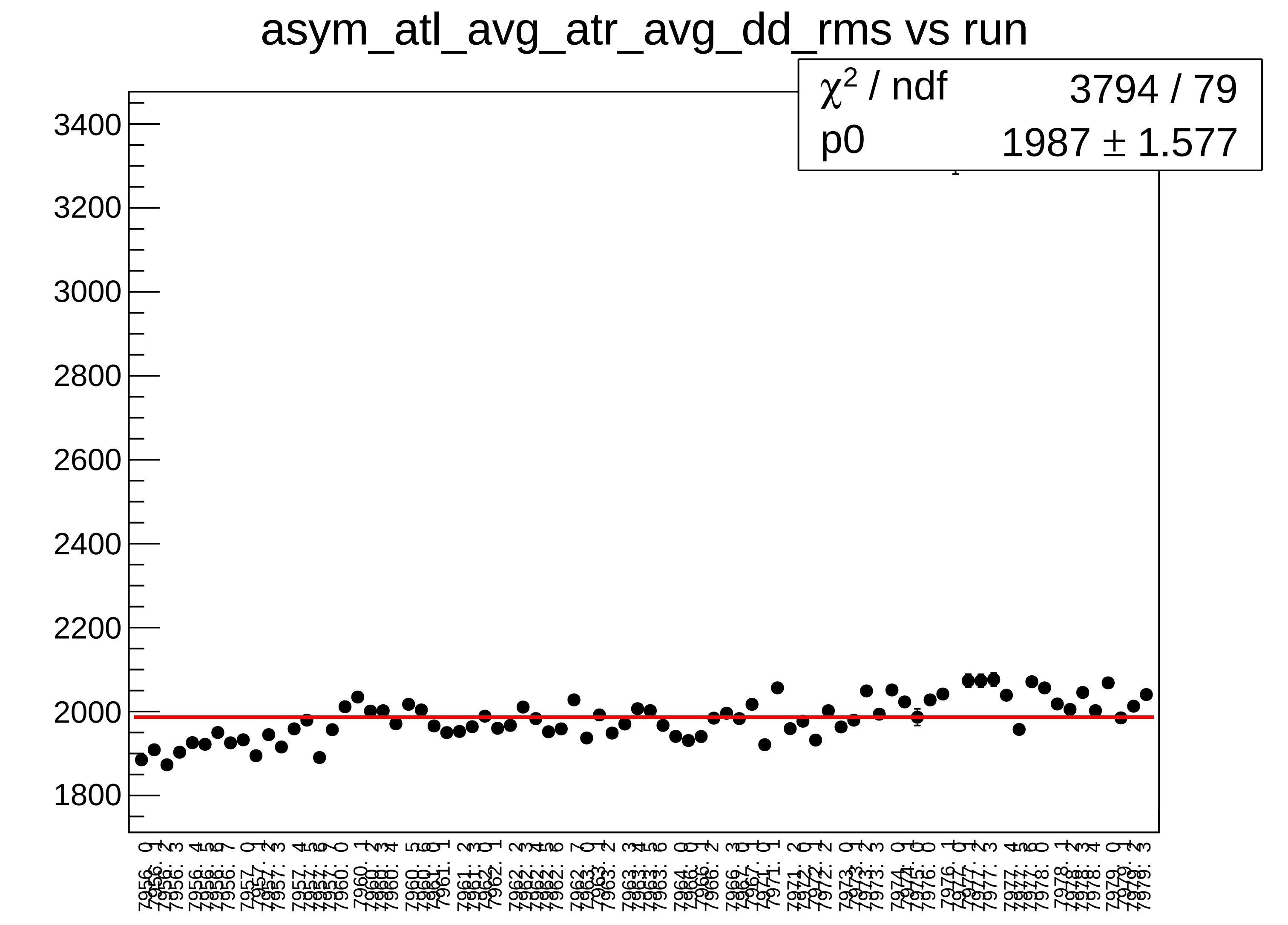

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 87.08 / 79
p0 −227.9 ± 1715
pull
Entries 80
Mean 1478
Std Dev 1430
pull1D
Entries 80
Mean 0.002592
Std Dev 1.043


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2781 / 79
p0 1528 ± 1.212
1700
1650
1600
1550
1500
1450
1400

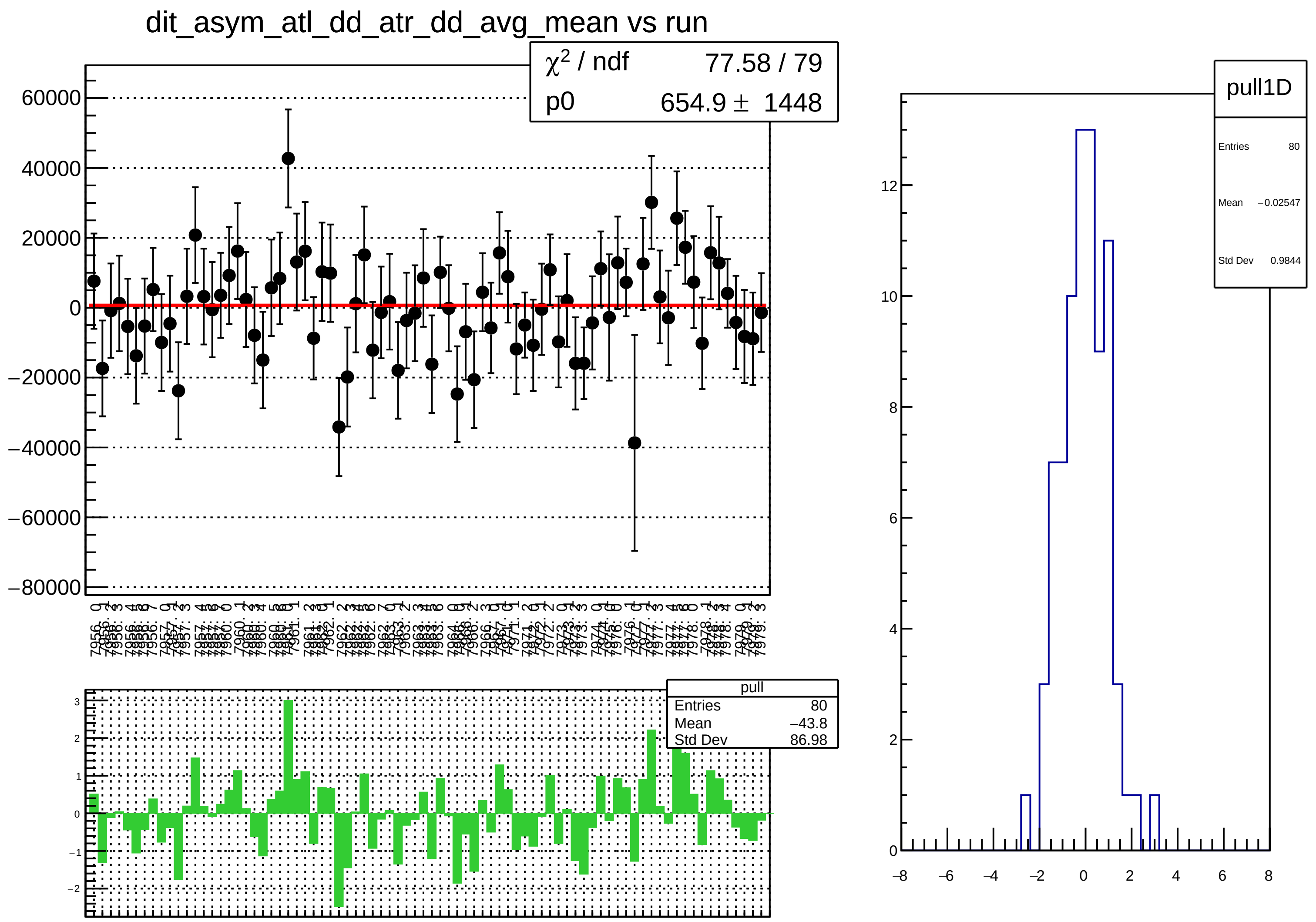
asym_atl_avg_atr_avg_dd_mean vs run

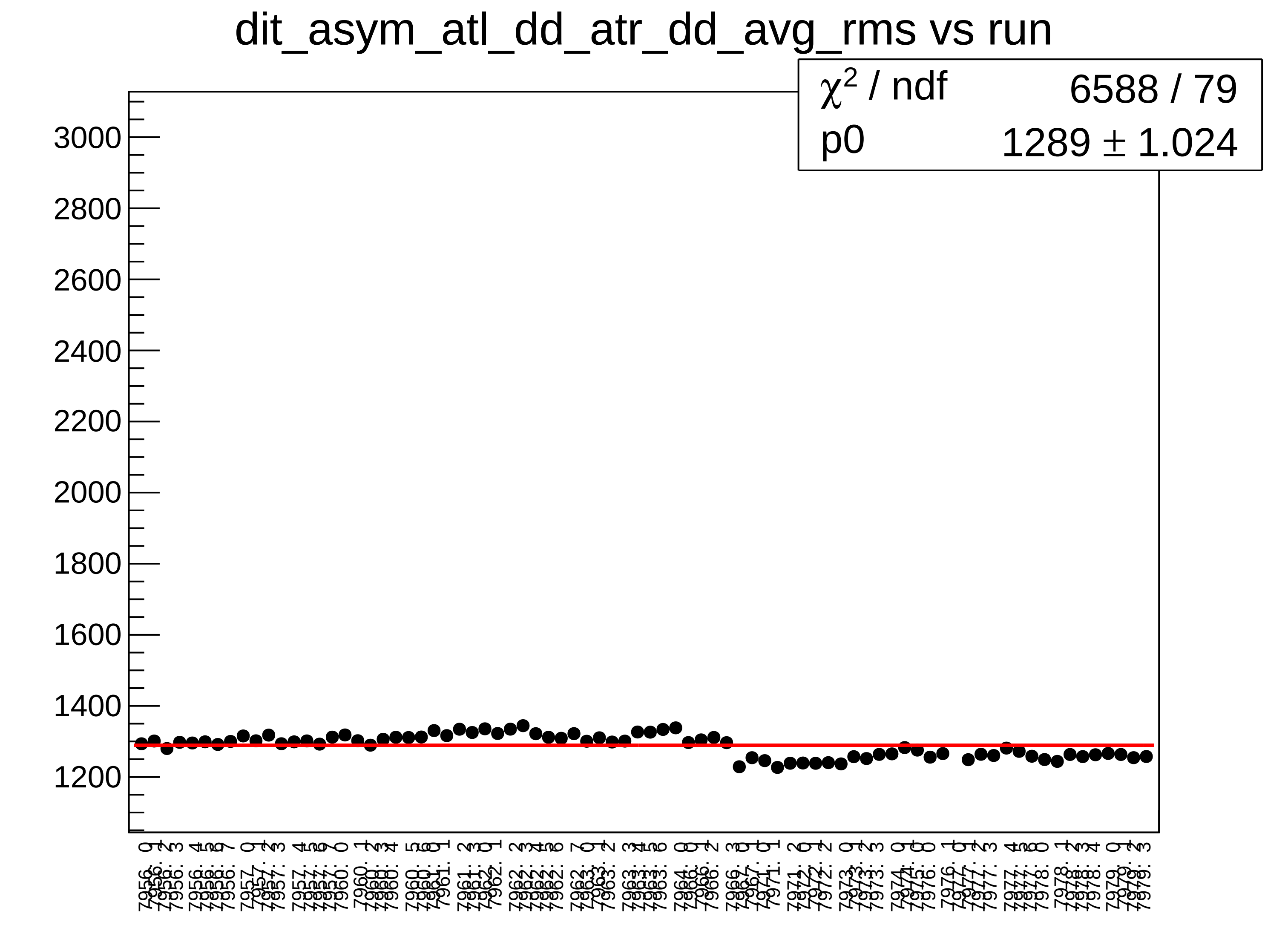


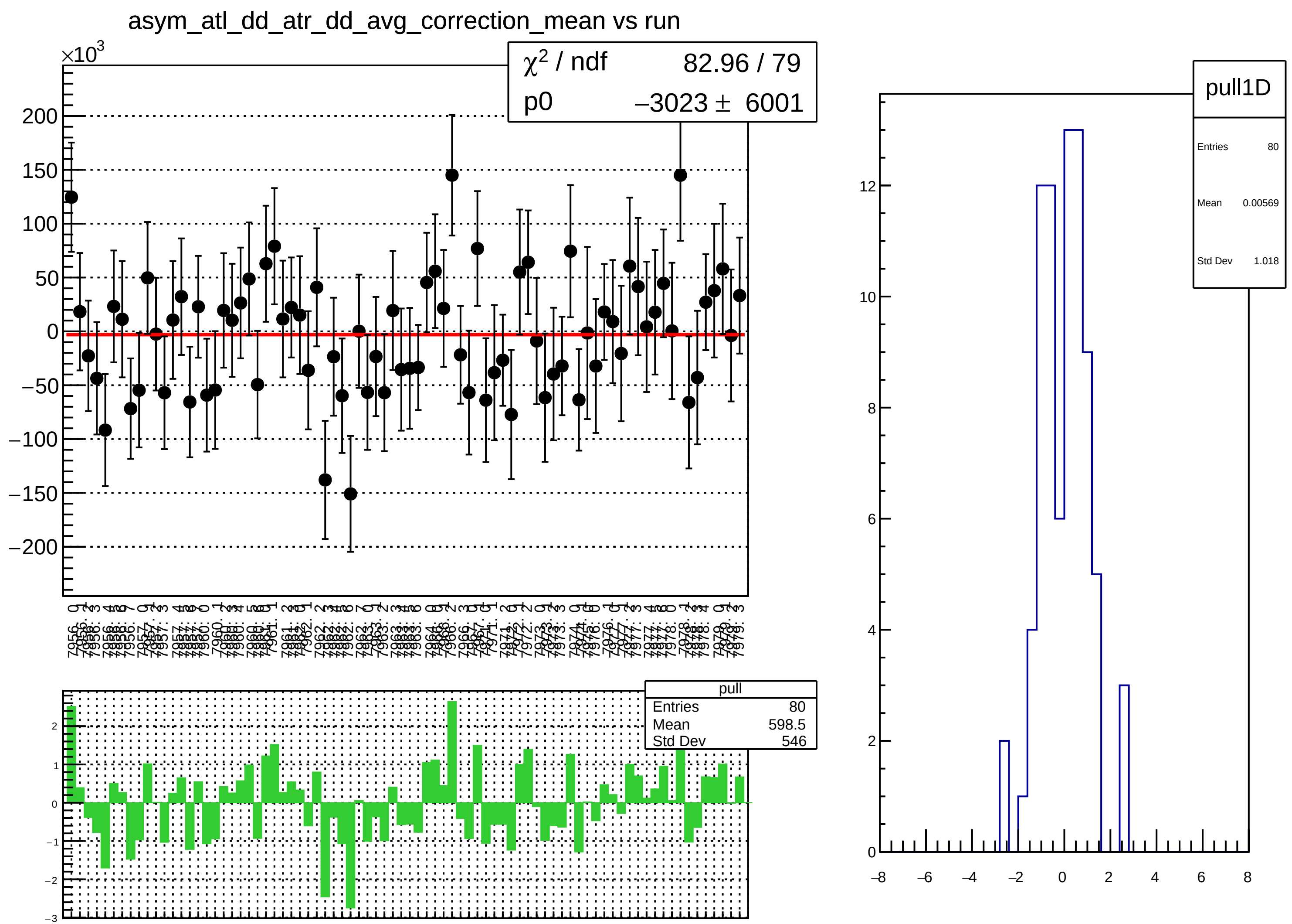




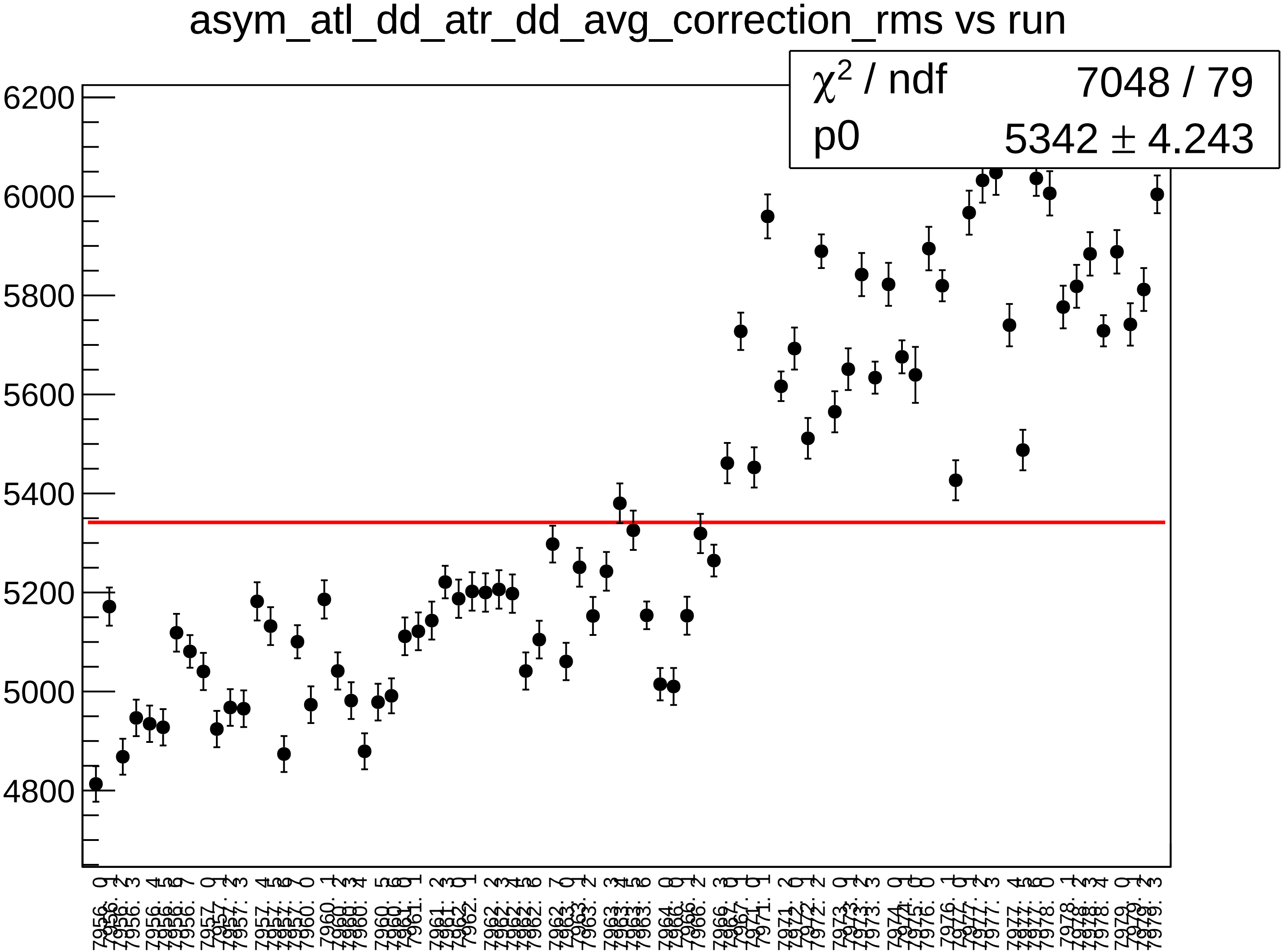
asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 3794 / 79
p0 1987 ± 1.577
3400
3200
3000
2800
2600
2400
2200
2000
1800

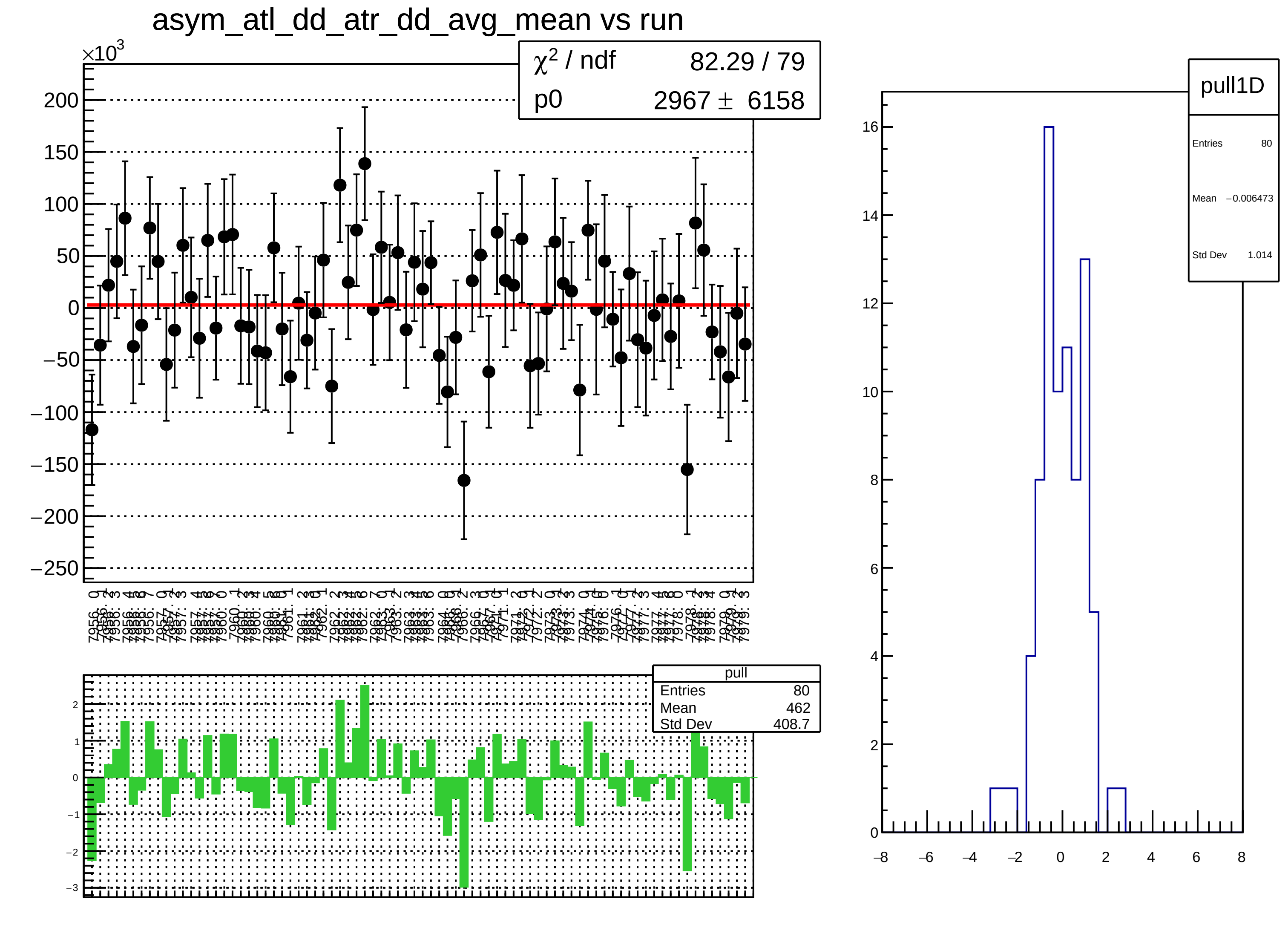

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 77.58 / 79
p0 654.9 ± 1448
pull
Entries 80
Mean −43.8
Std Dev 86.98
pull1D
Entries 80
Mean −0.02547
Std Dev 0.9844


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 6588 / 79
p0 1289 ± 1.024
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

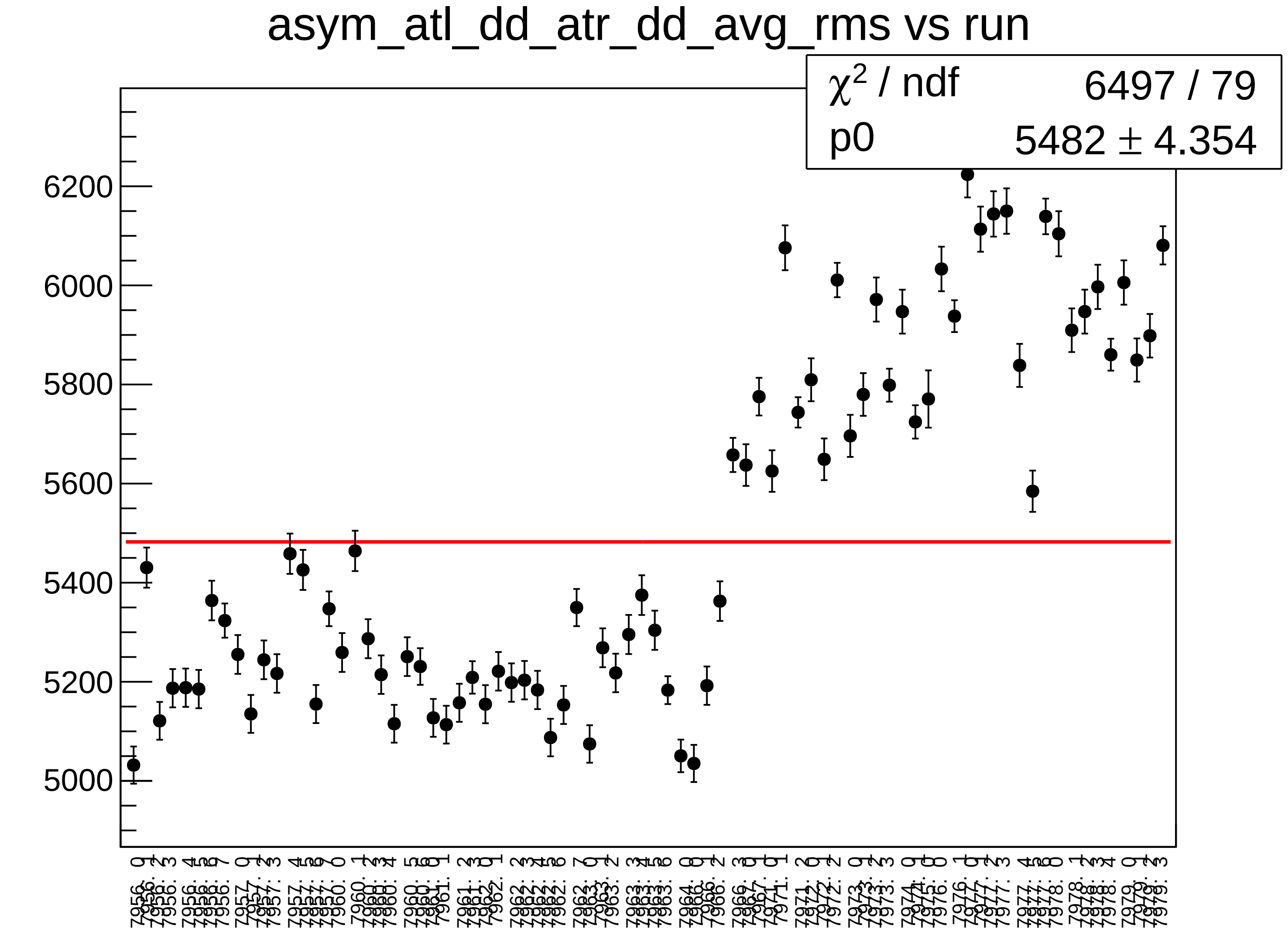


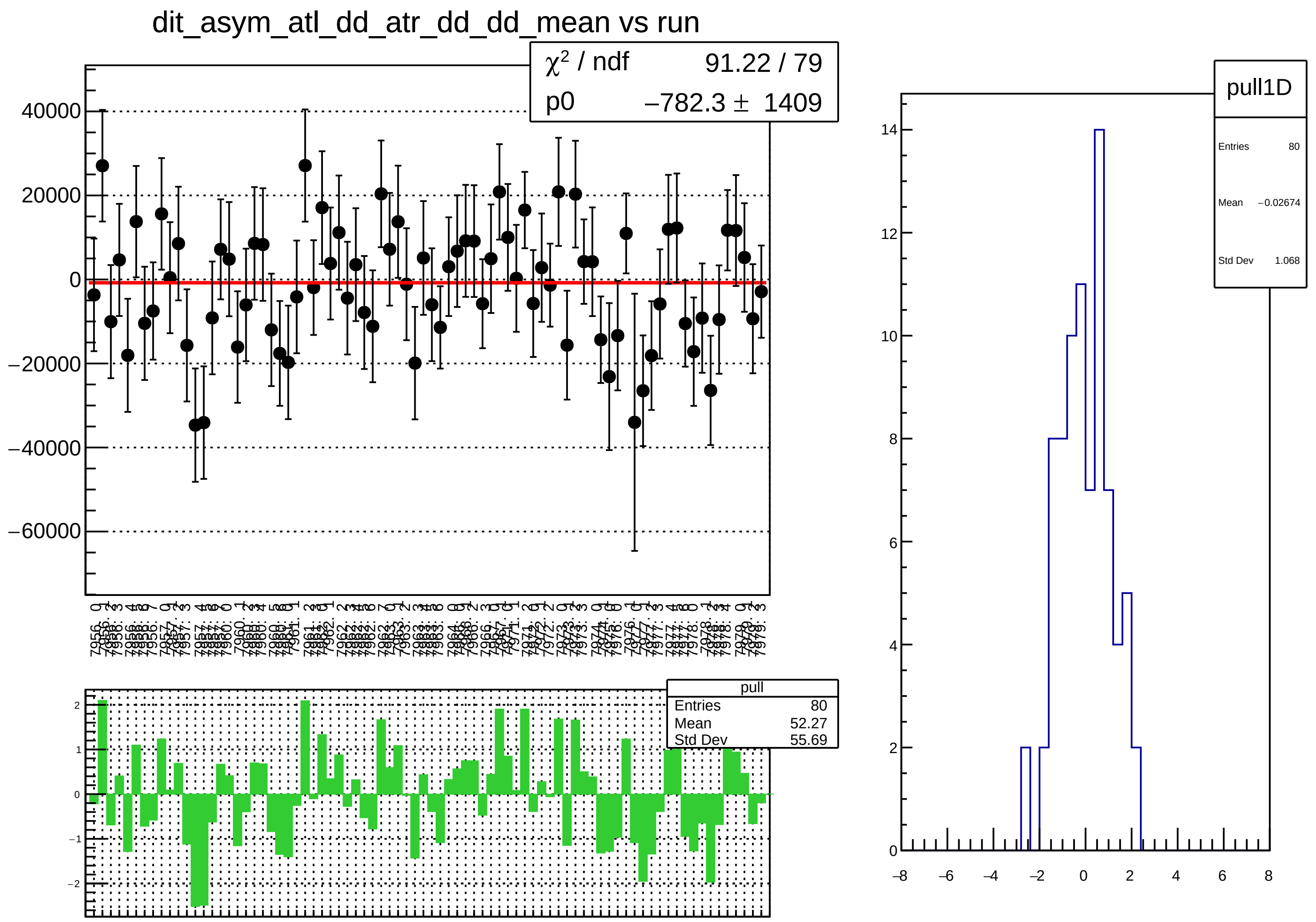
asym_atl_dd_atr_dd_avg_correction_mean vs run
χ^2 / ndf 82.96 / 79
p0 −3023 ± 6001
pull
Entries 80
Mean 598.5
Std Dev 546
pull1D
Entries 80
Mean 0.00569
Std Dev 1.018


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 7048 / 79
p0 5342 ± 4.243
6200
6000
5800
5600
5400
5200
5000
4800

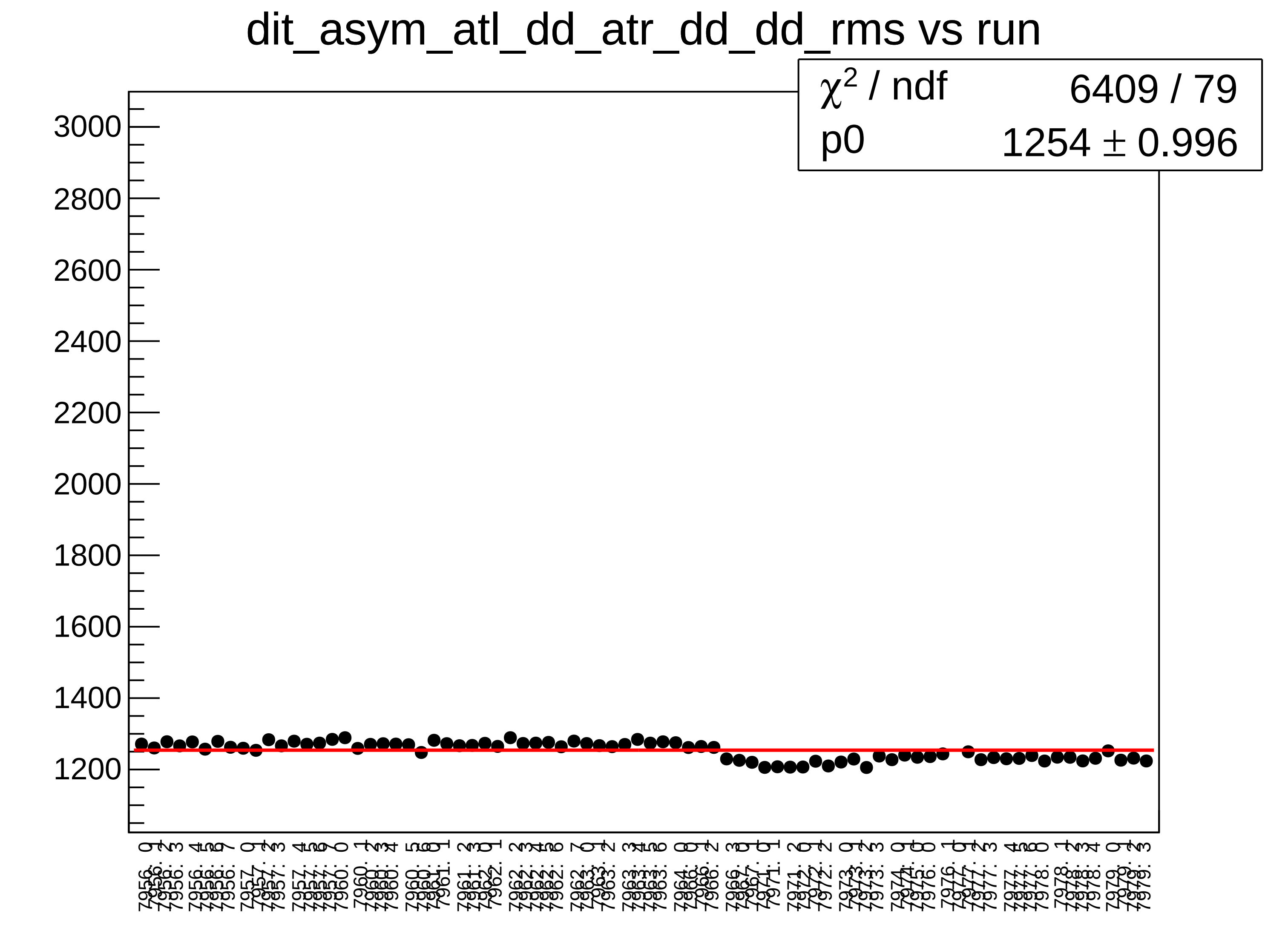


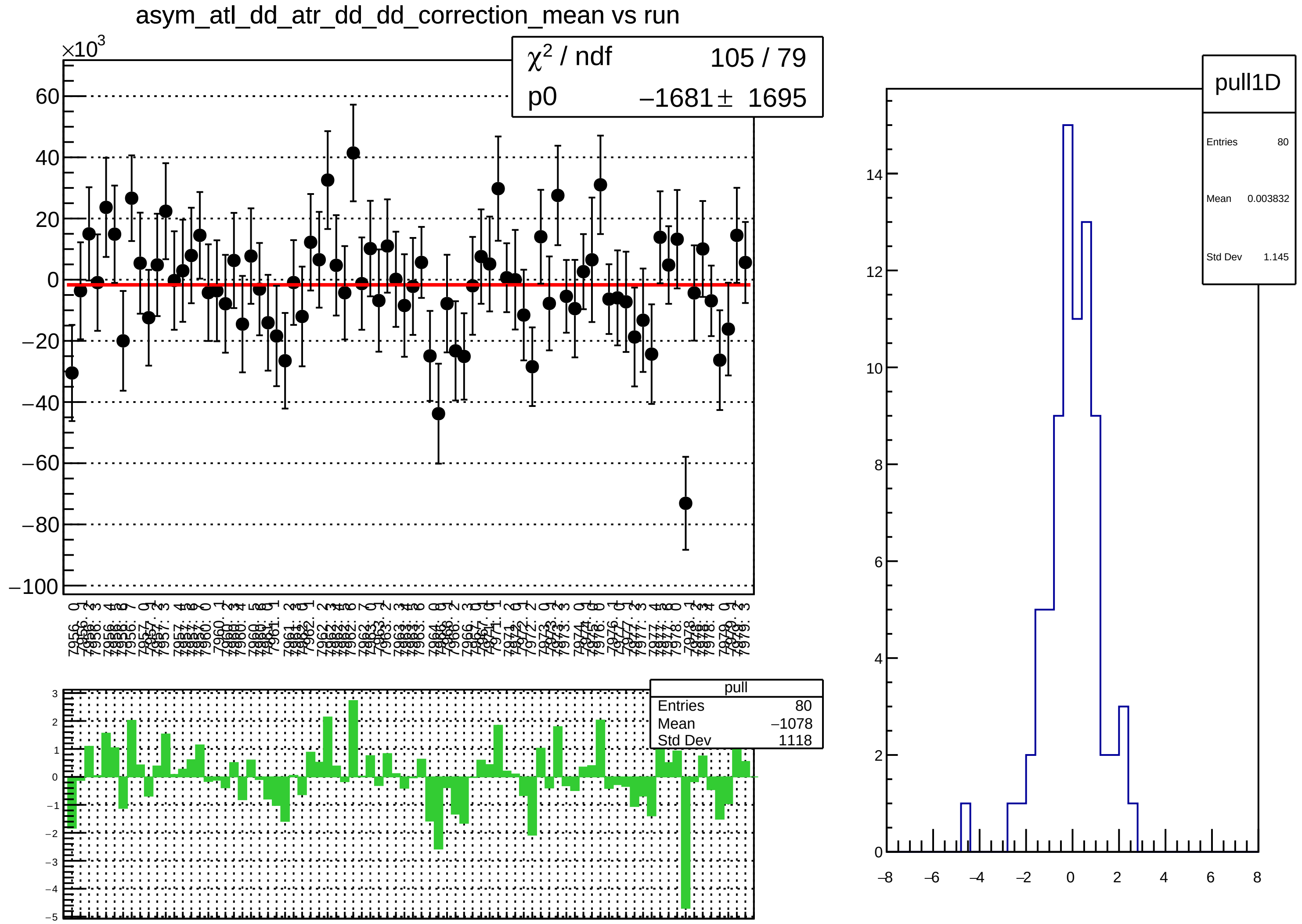
asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 82.29 / 79
p0 2967 ± 6158
pull
Entries 80
Mean 462
Std Dev 408.7
pull1D
Entries 80
Mean −0.006473
Std Dev 1.014


asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 6497 / 79
p0 5482 ± 4.354
6200
6000
5800
5600
5400
5200
5000

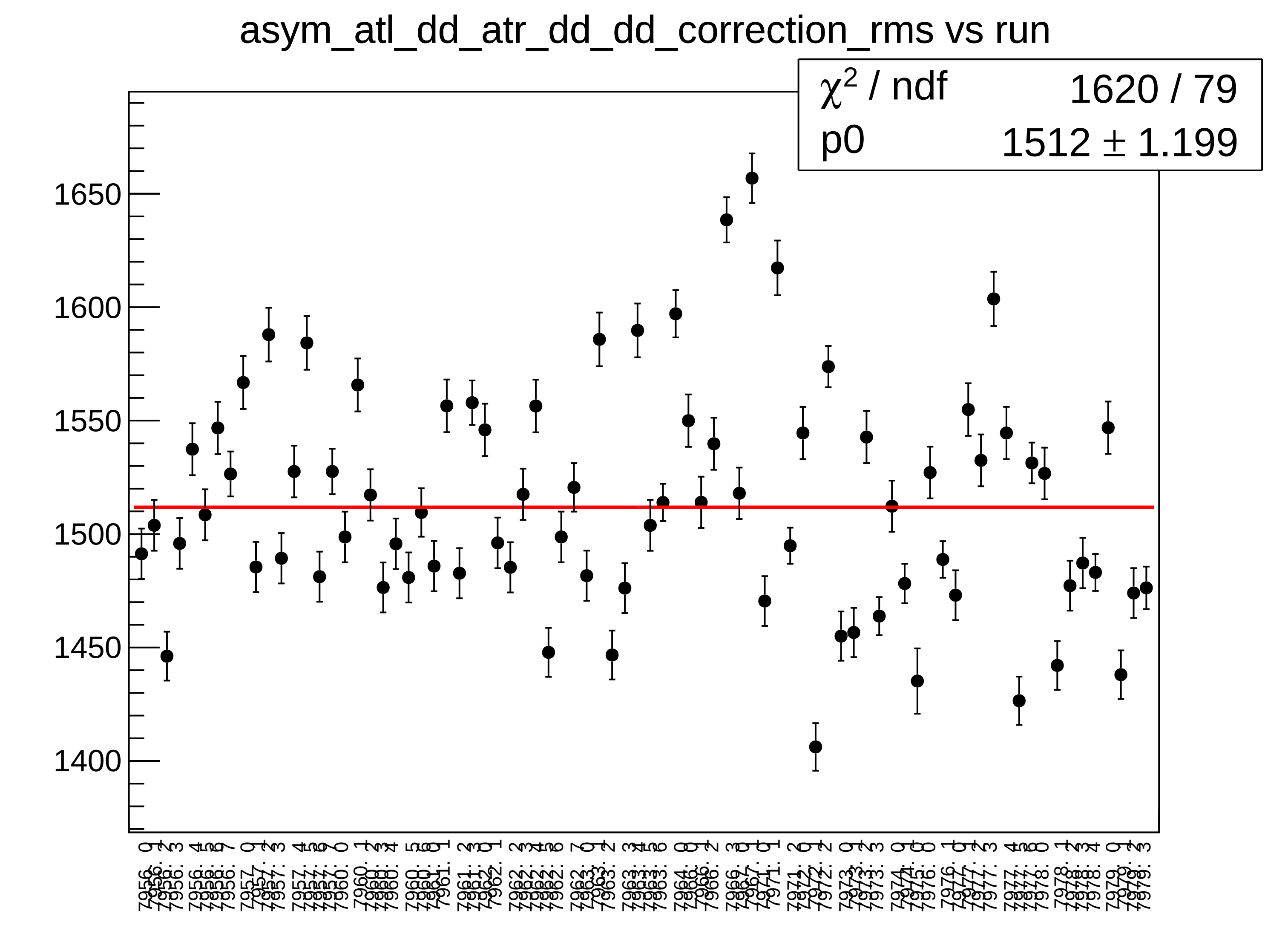


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 91.22 / 79
p0 −782.3 ± 1409
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 52.27
Std Dev 55.69
pull1D
Entries 80
Mean −0.02674
Std Dev 1.068


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 6409 / 79
p0 1254 ± 0.996
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

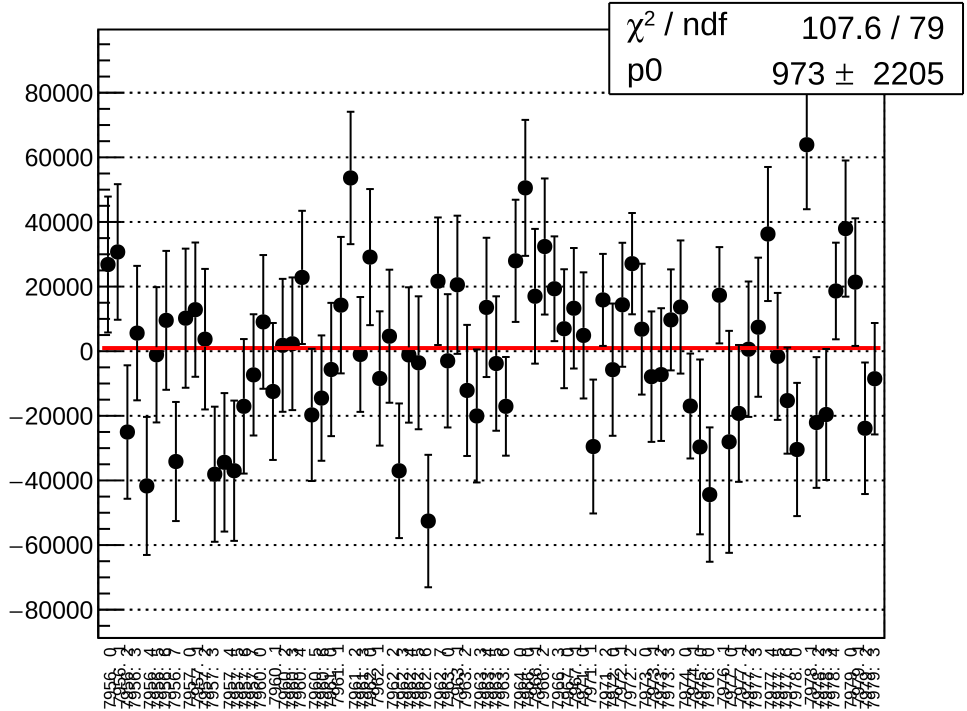


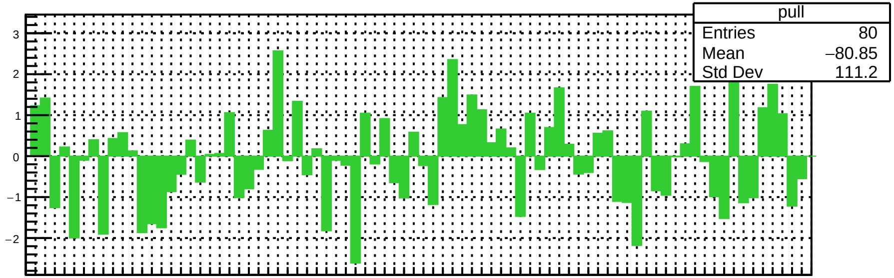
asym_atl_dd_atr_dd_dd_correction_mean vs run
$\times10^3$
χ^2 / ndf 105 / 79
p0 −1681 ± 1695
pull
Entries 80
Mean −1078
Std Dev 1118
pull1D
Entries 80
Mean 0.003832
Std Dev 1.145

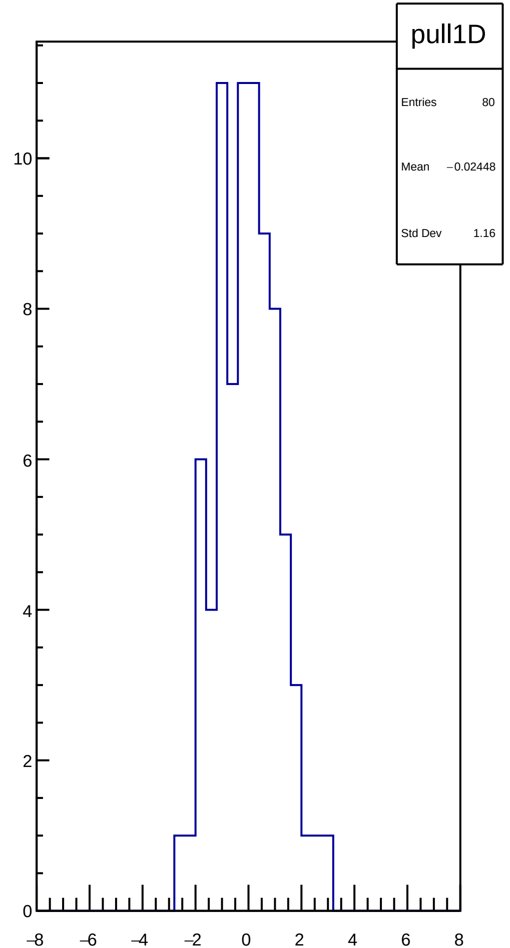


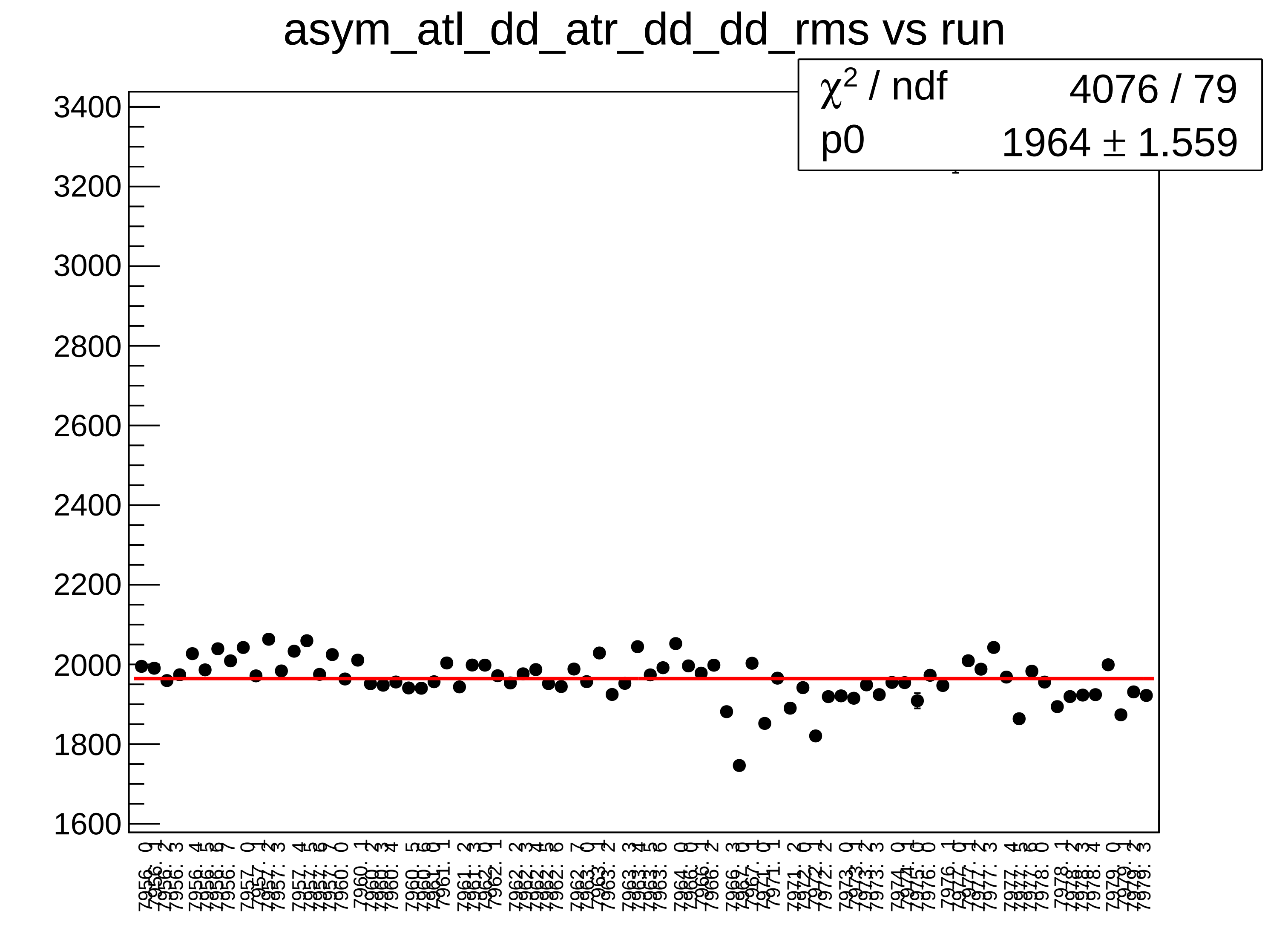
asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1620 / 79
p0 1512 ± 1.199
1400
1450
1500
1550
1600
1650

asym_atl_dd_atr_dd_dd_mean vs run

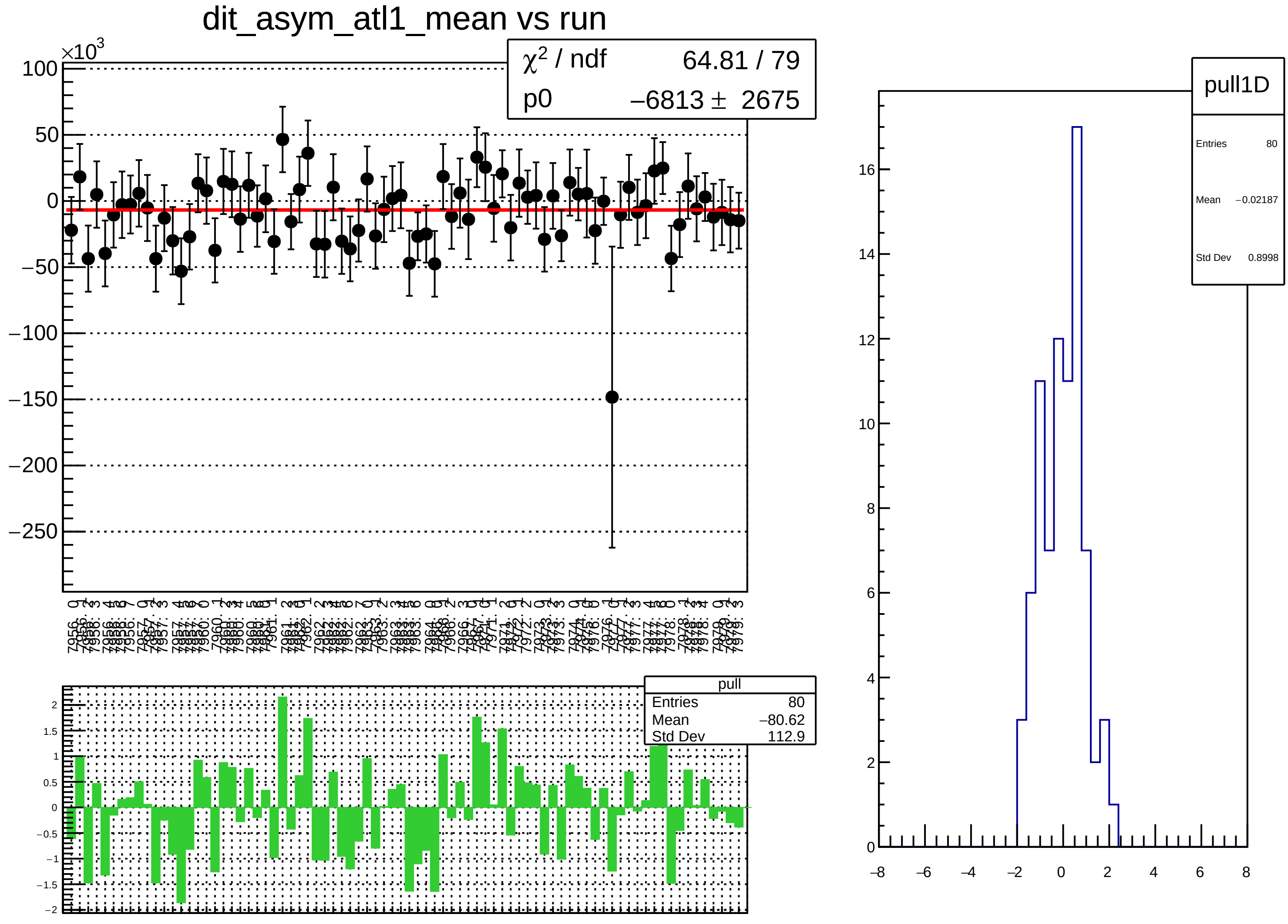




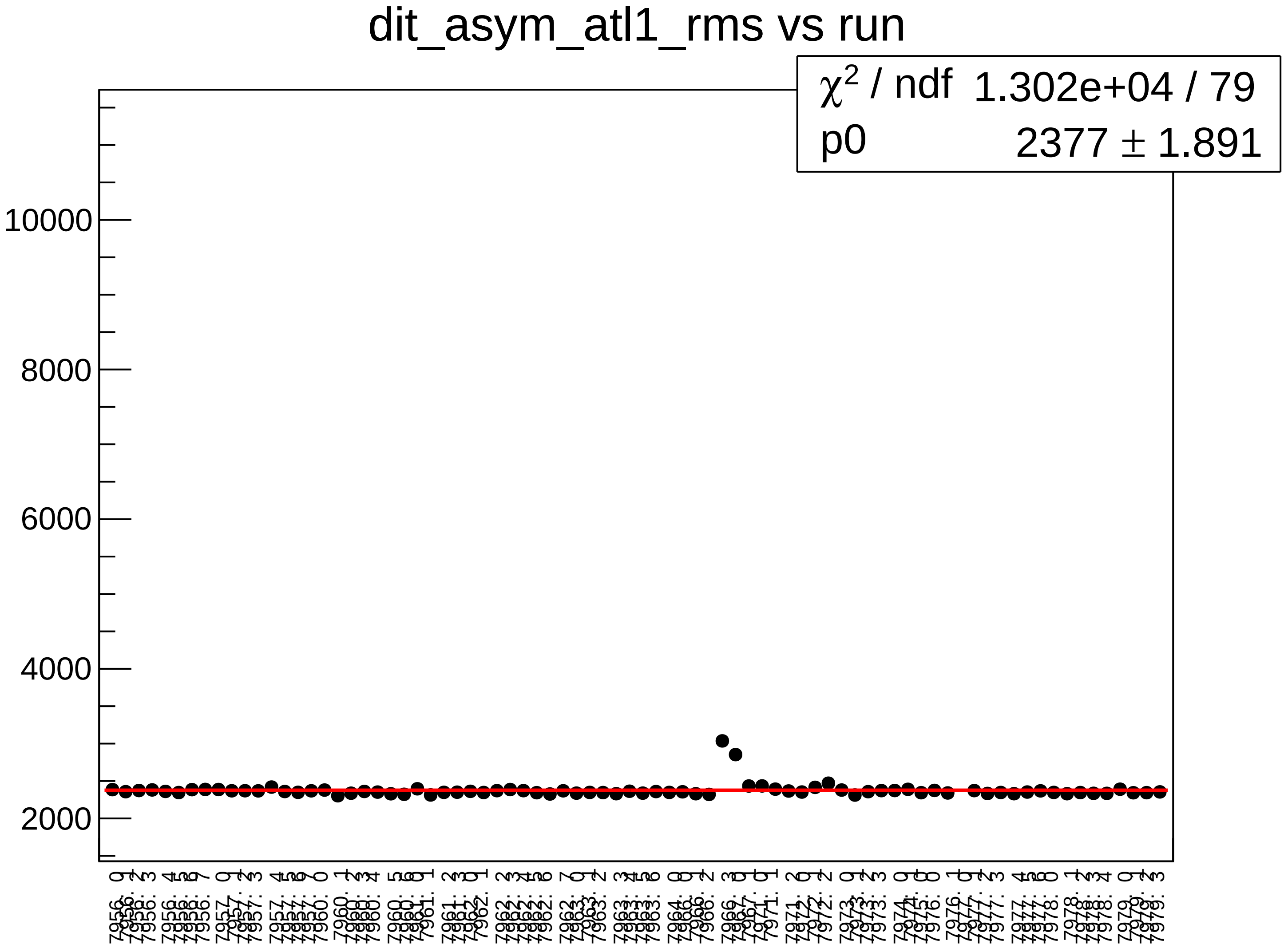




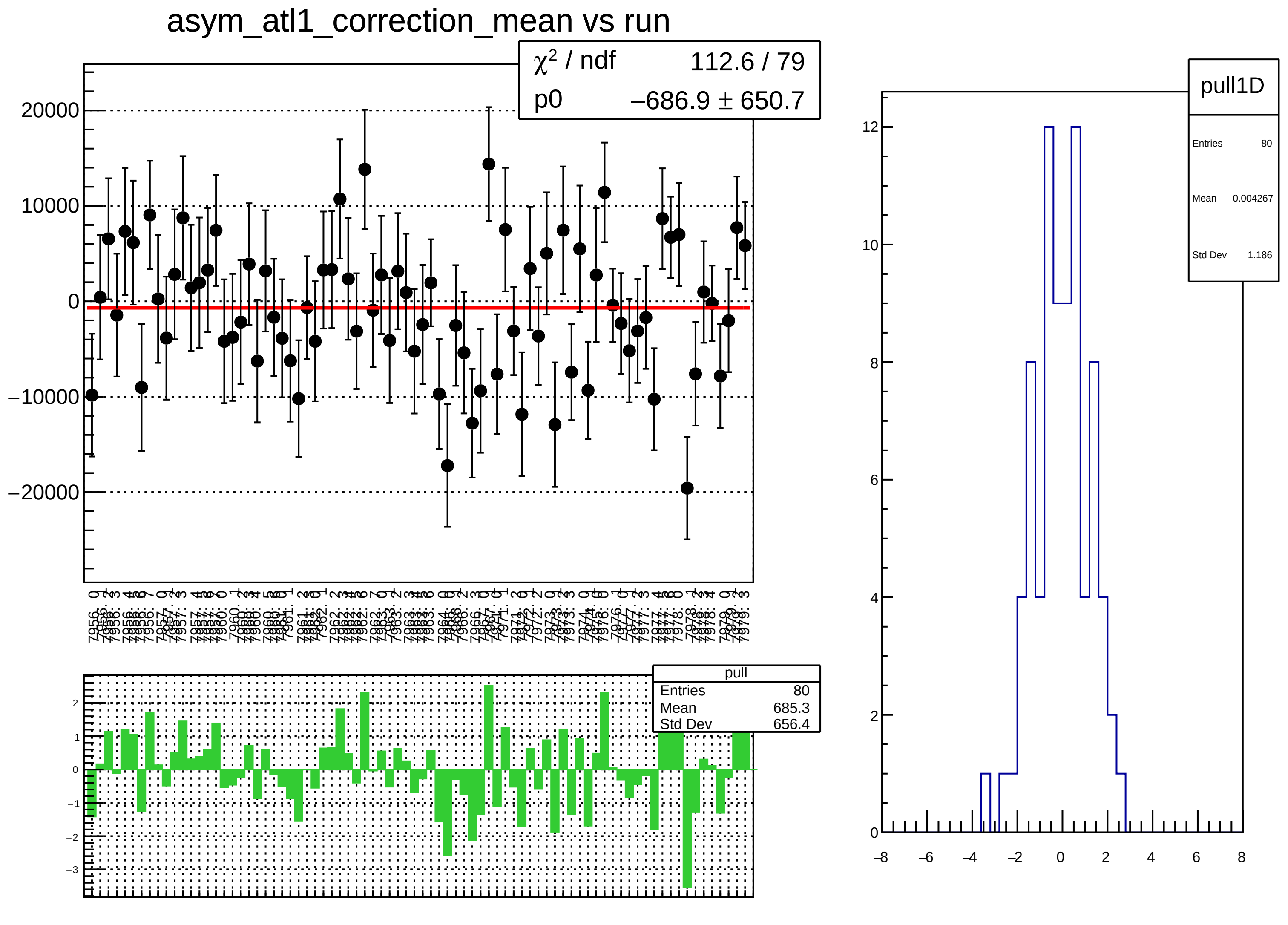
asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 4076 / 79
p0 1964 ± 1.559
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

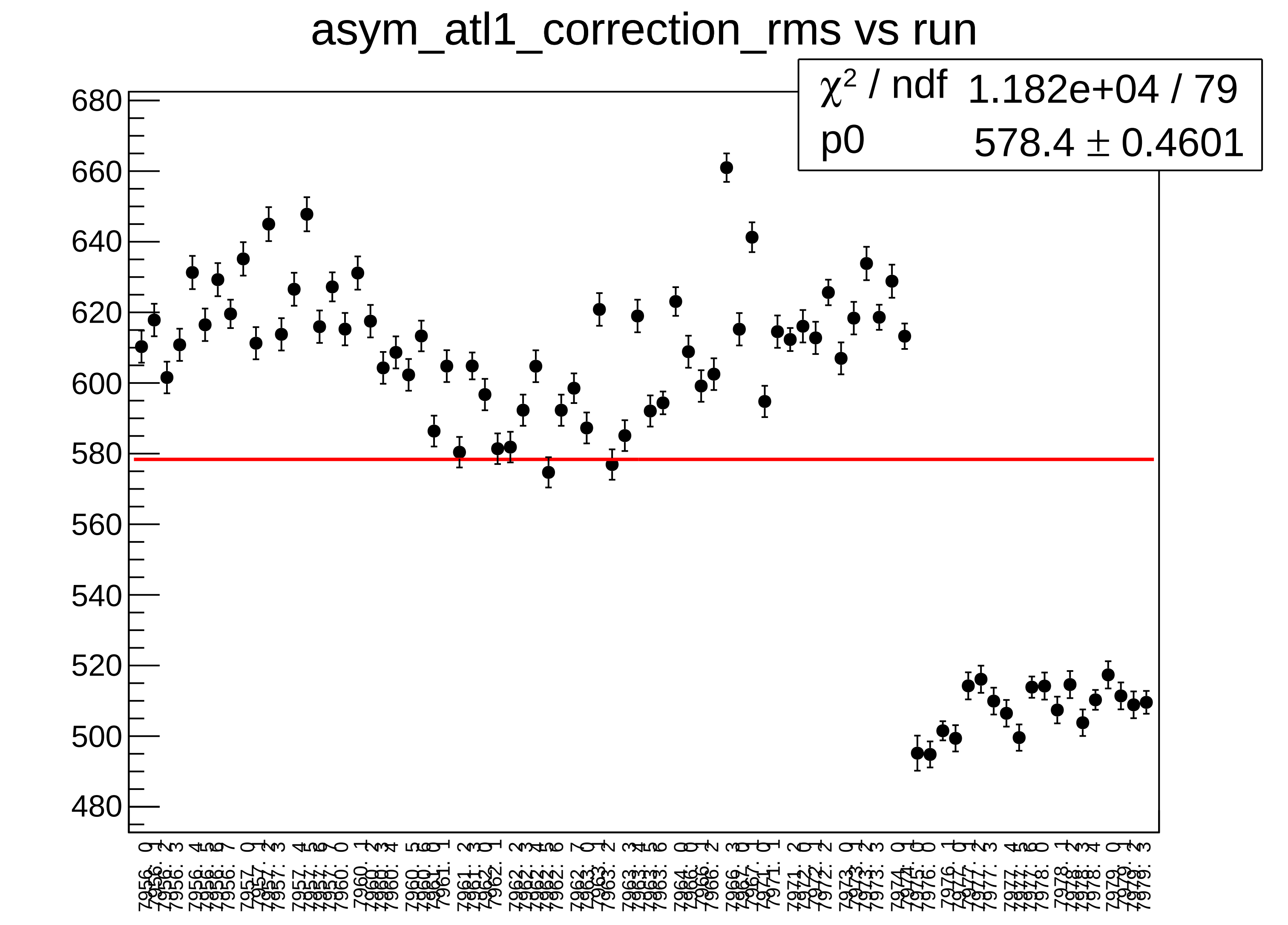


dit_asym_atl1_mean vs run
$\times 10^3$
χ^2 / ndf 64.81 / 79
p0 −6813 ± 2675
pull
Entries 80
Mean −80.62
Std Dev 112.9
pull1D
Entries 80
Mean −0.02187
Std Dev 0.8998



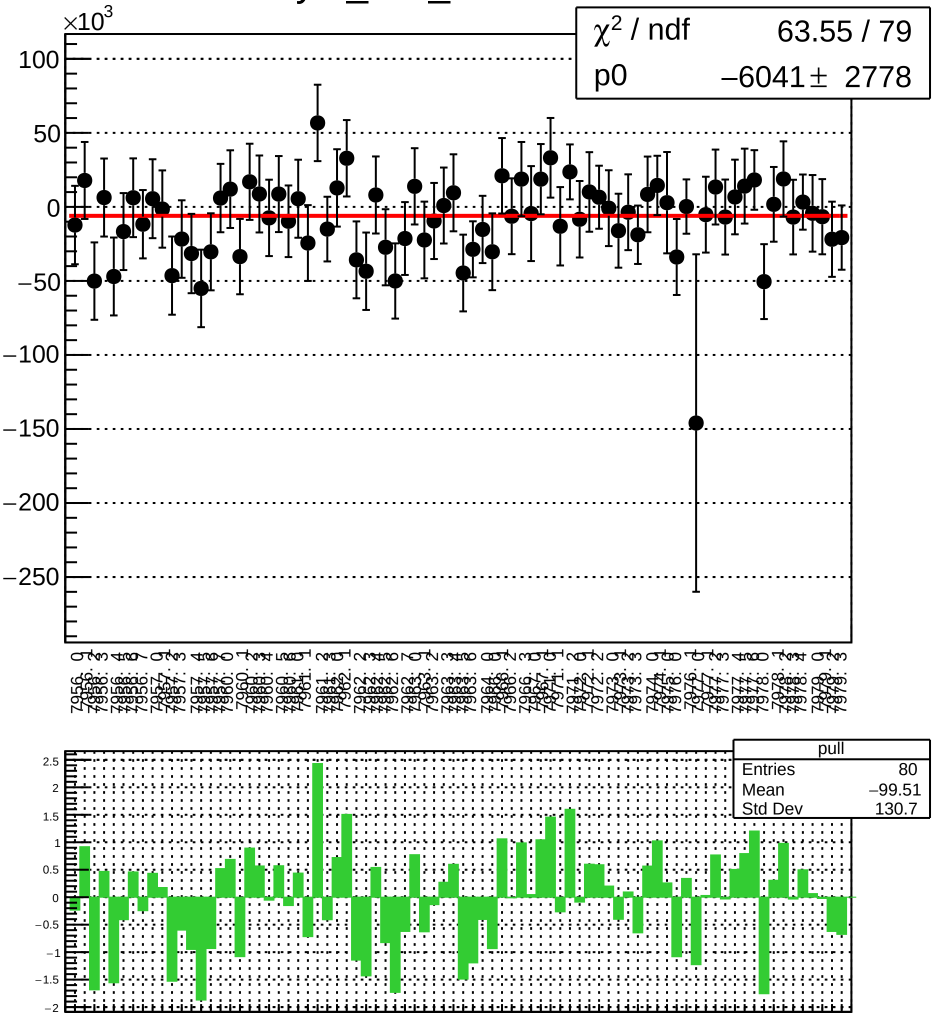
dit_asym_atl1_rms vs run
χ^2 / ndf 1.302e+04 / 79
p0 2377 ± 1.891
10000
8000
6000
4000
2000

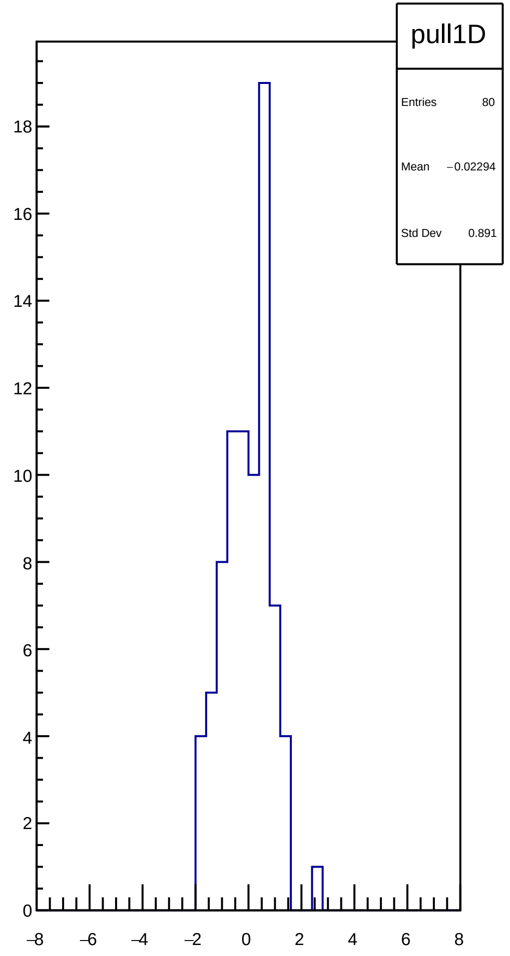

asym_atl1_correction_mean vs run
χ^2 / ndf 112.6 / 79
p0 −686.9 ± 650.7
20000
10000
0
−10000
−20000
pull
Entries 80
Mean 685.3
Std Dev 656.4
pull1D
Entries 80
Mean −0.004267
Std Dev 1.186

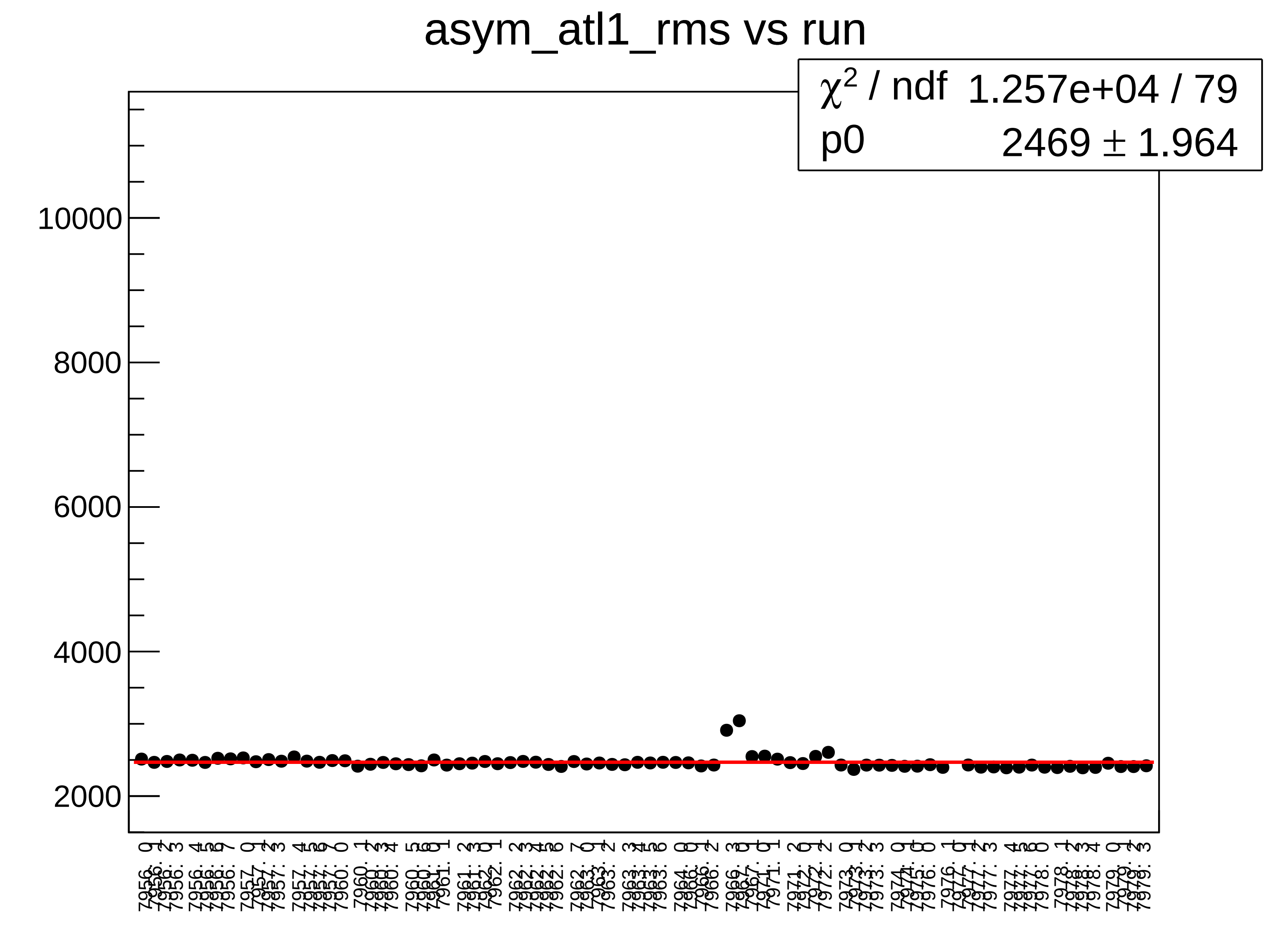


asym_atl1_correction_rms vs run
χ^2 / ndf 1.182e+04 / 79
p0 578.4 ± 0.4601

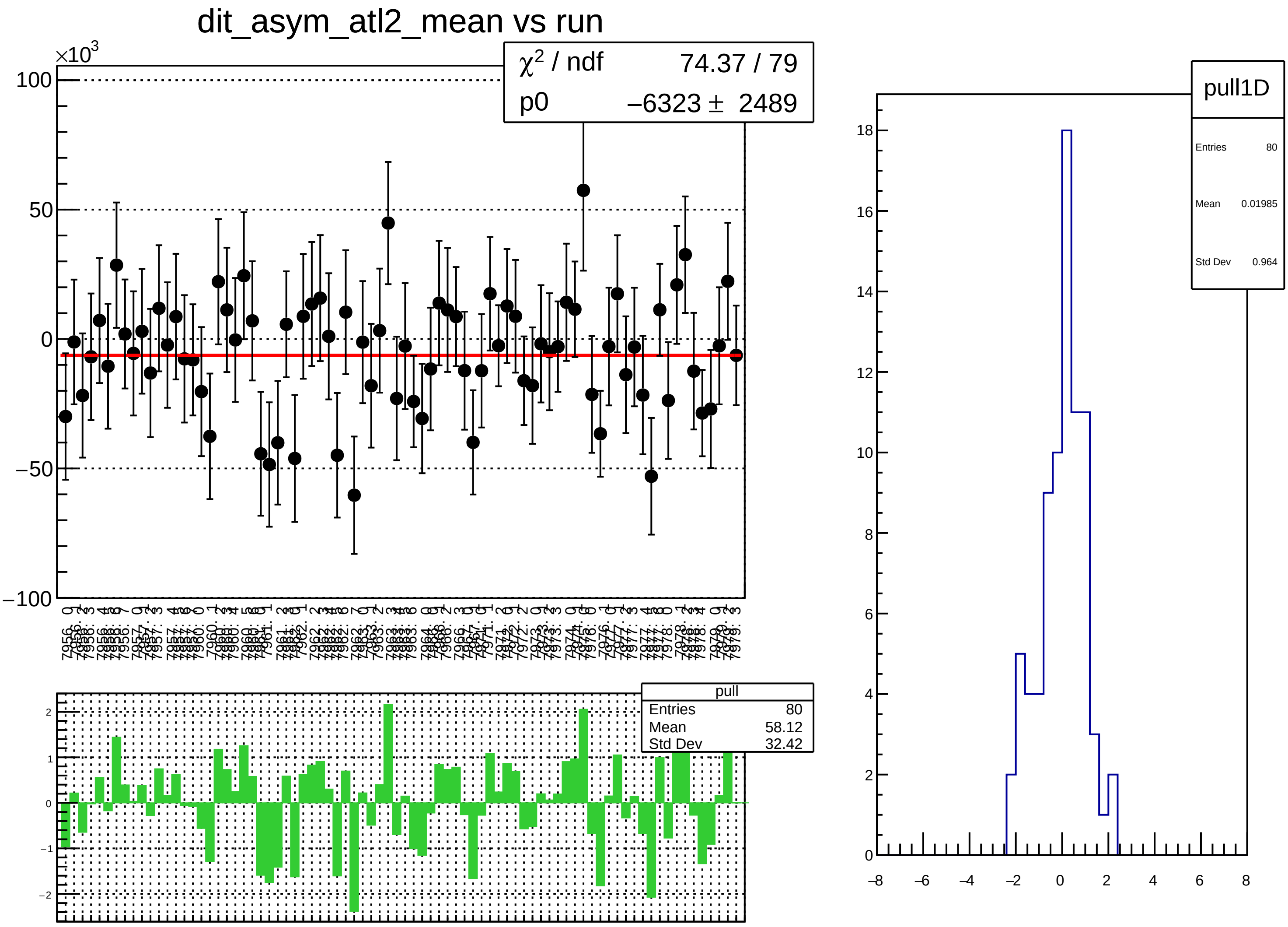
asym_atl1_mean vs run



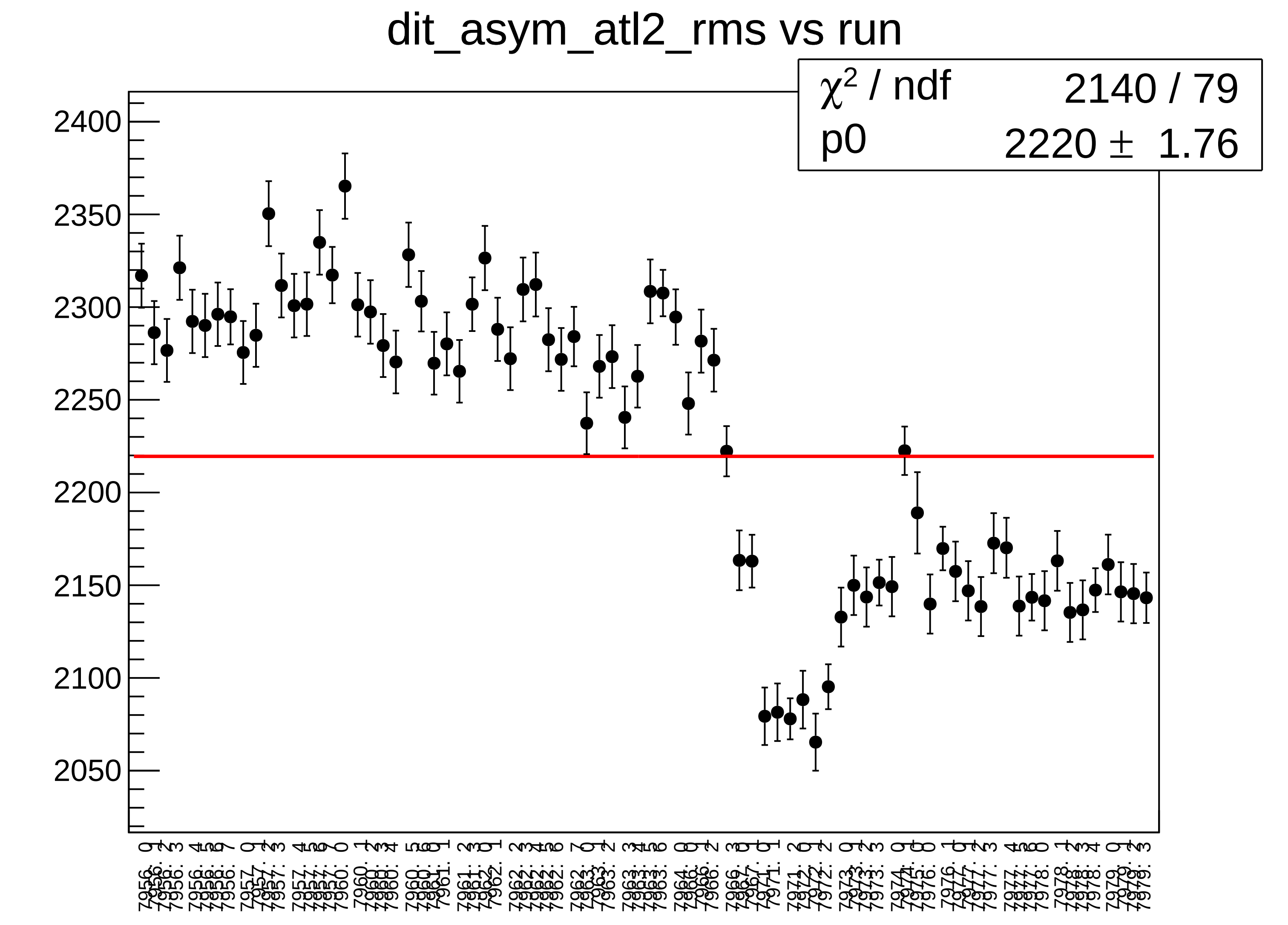




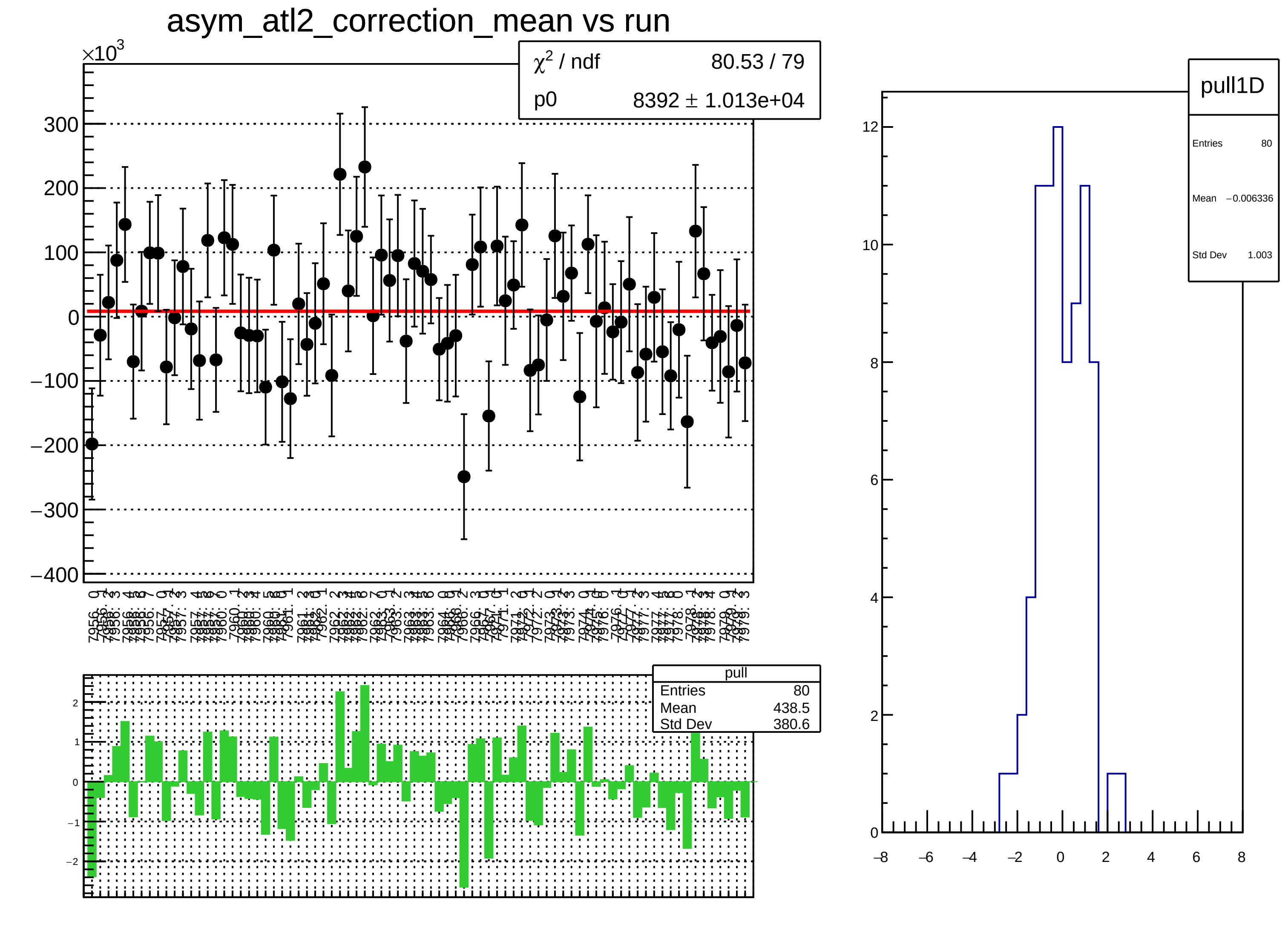
asym_atl1_rms vs run
χ^2 / ndf 1.257e+04 / 79
p0 2469 ± 1.964
10000
8000
6000
4000
2000

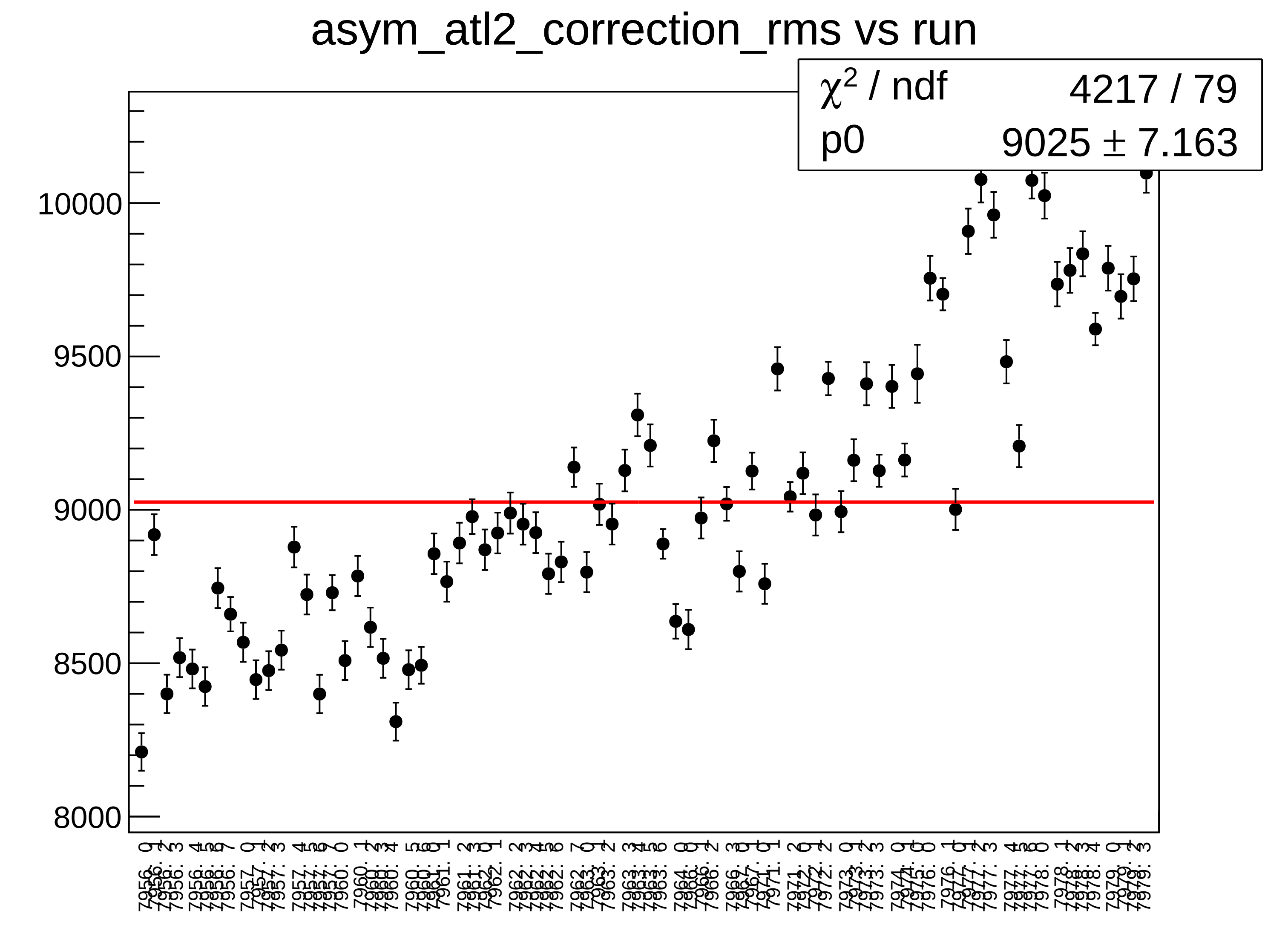


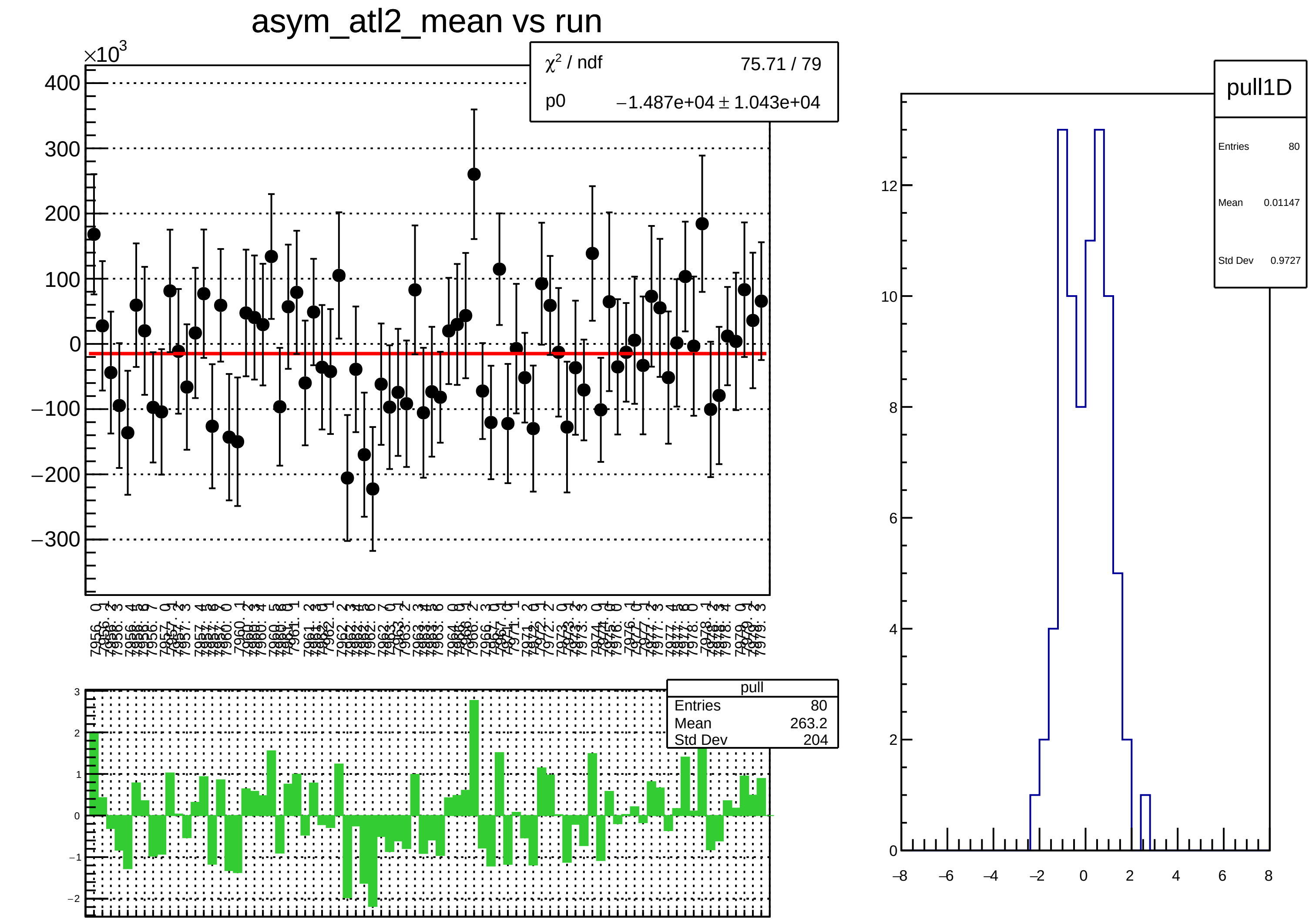
dit_asym_atl2_mean vs run
×10^3
χ2 / ndf 74.37 / 79
p0 −6323 ± 2489
100
50
0
−50
−100
pull
Entries 80
Mean 58.12
Std Dev 32.42
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01985
Std Dev 0.964
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

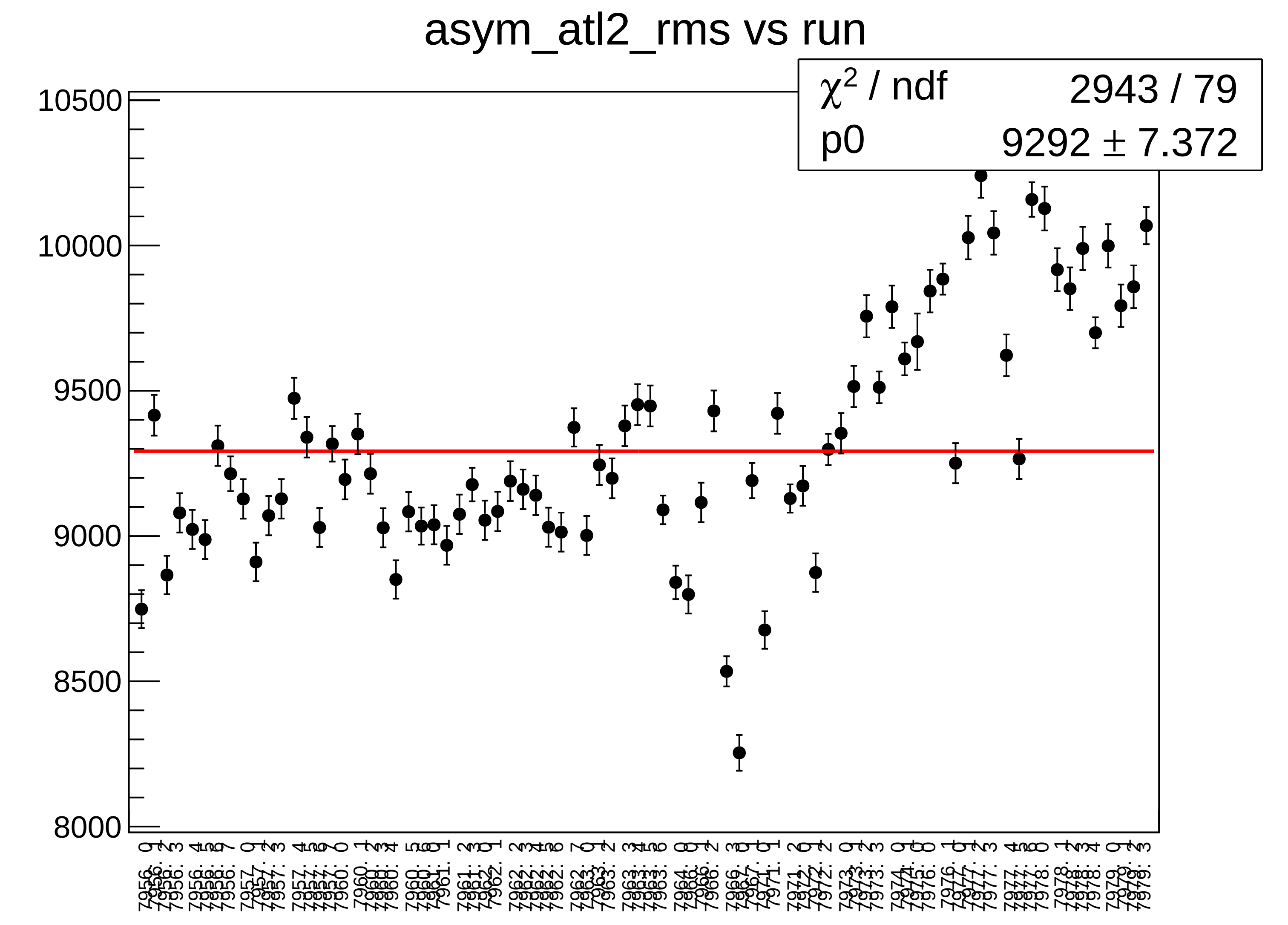


dit_asym_atl2_rms vs run
χ2 / ndf 2140 / 79
p0 2220 ± 1.76
2400
2350
2300
2250
2200
2150
2100
2050

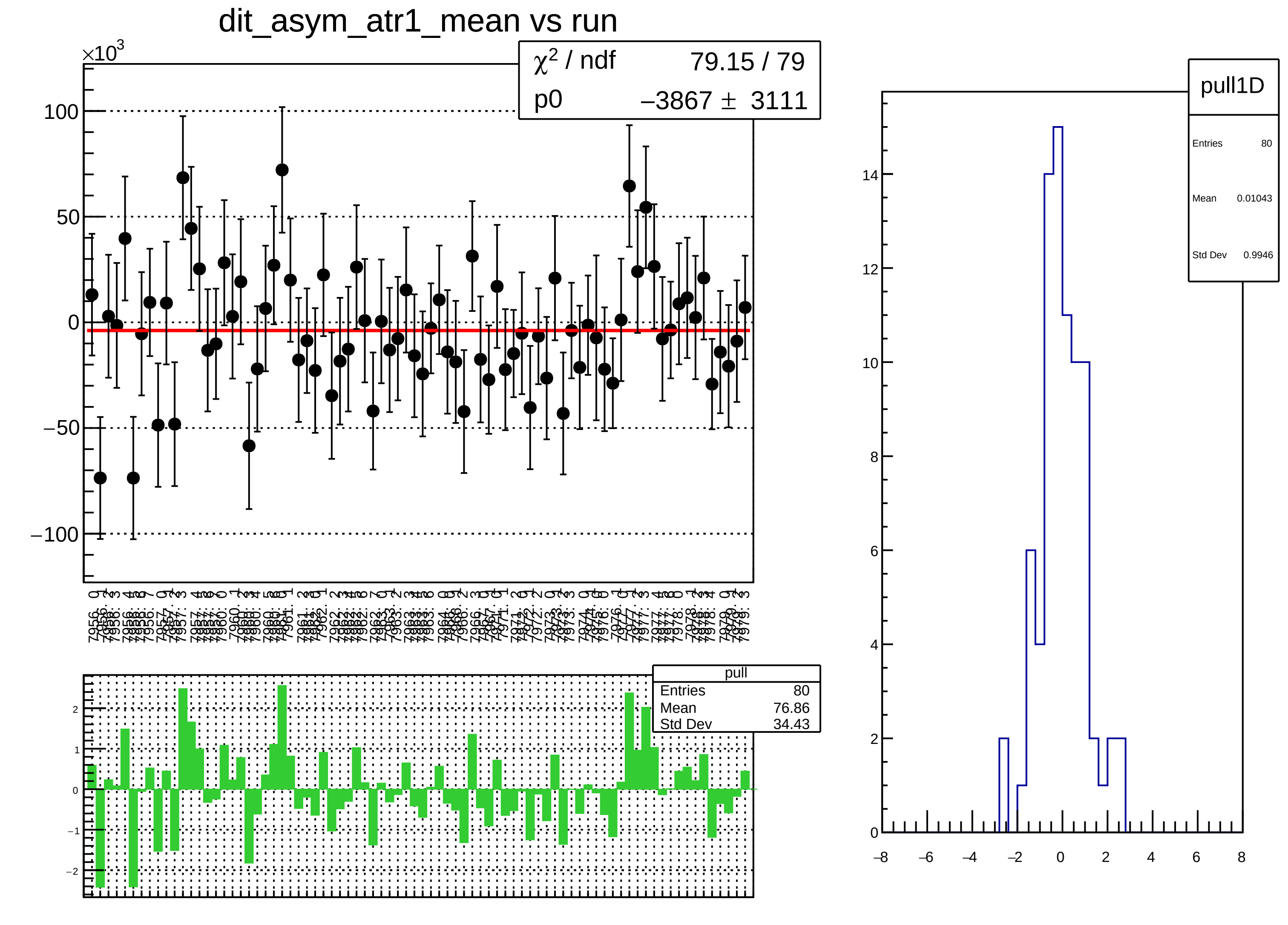

asym_atl2_correction_mean vs run
×10^3
χ2 / ndf 80.53 / 79
p0 8392 ± 1.013e+04
pull
Entries 80
Mean 438.5
Std Dev 380.6
pull1D
Entries 80
Mean −0.006336
Std Dev 1.003


asym_atl2_correction_rms vs run
χ^2 / ndf 4217 / 79
p0 9025 ± 7.163
10000
9500
9000
8500
8000

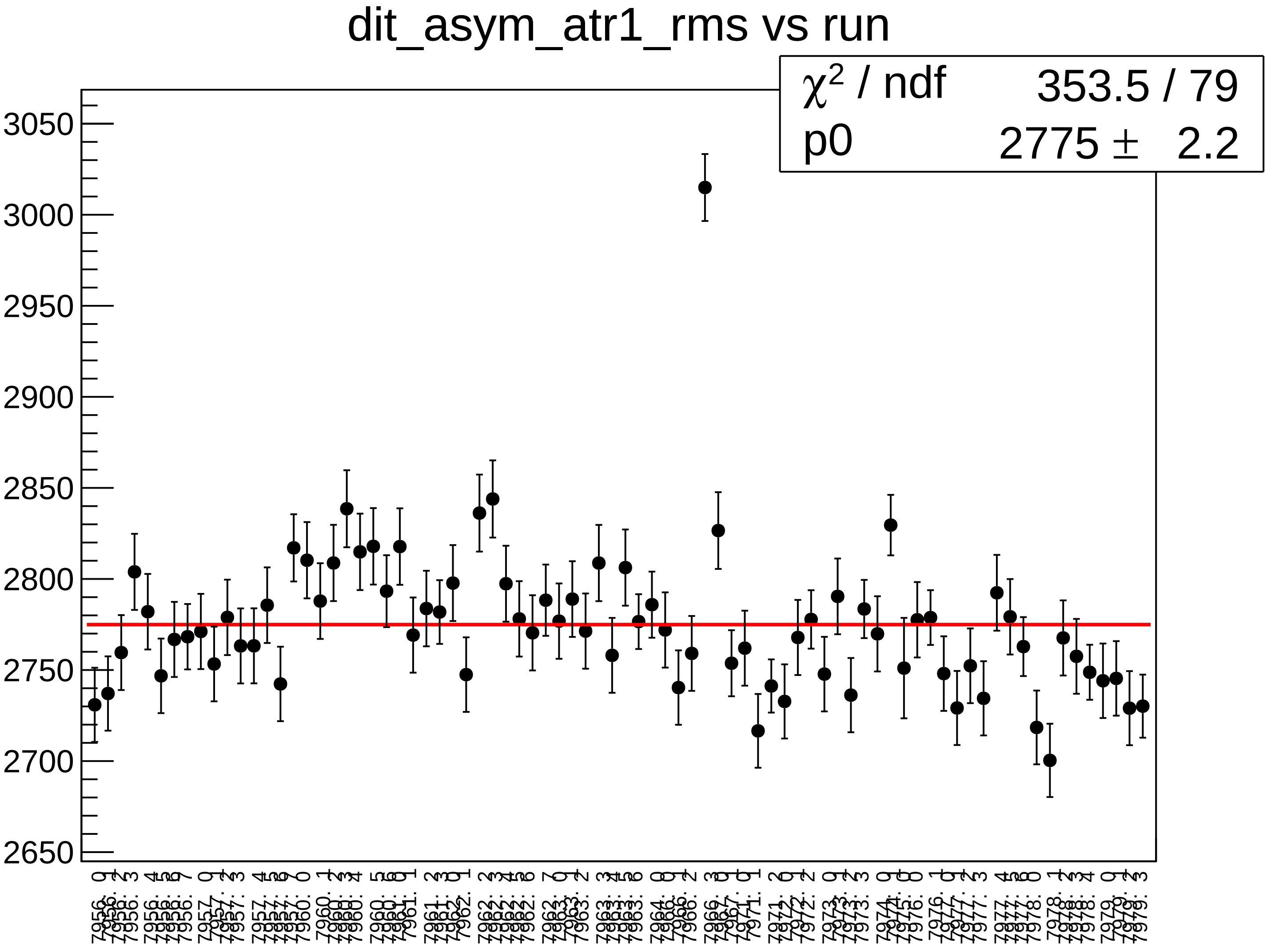

asym_atl2_mean vs run
$\times 10^3$
χ^2 / ndf 75.71 / 79
p0 −1.487e+04 ± 1.043e+04
pull
Entries 80
Mean 263.2
Std Dev 204
pull1D
Entries 80
Mean 0.01147
Std Dev 0.9727

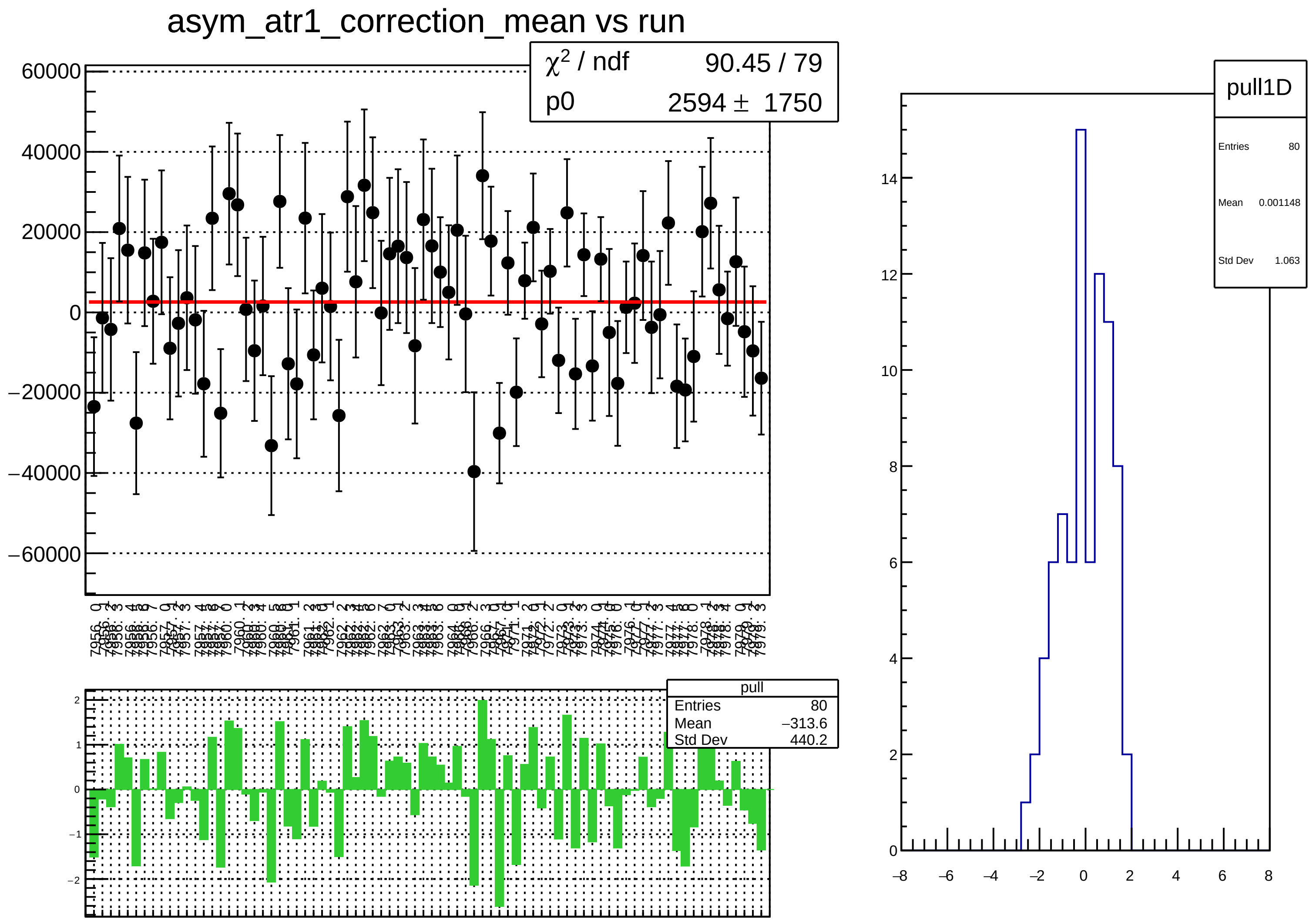


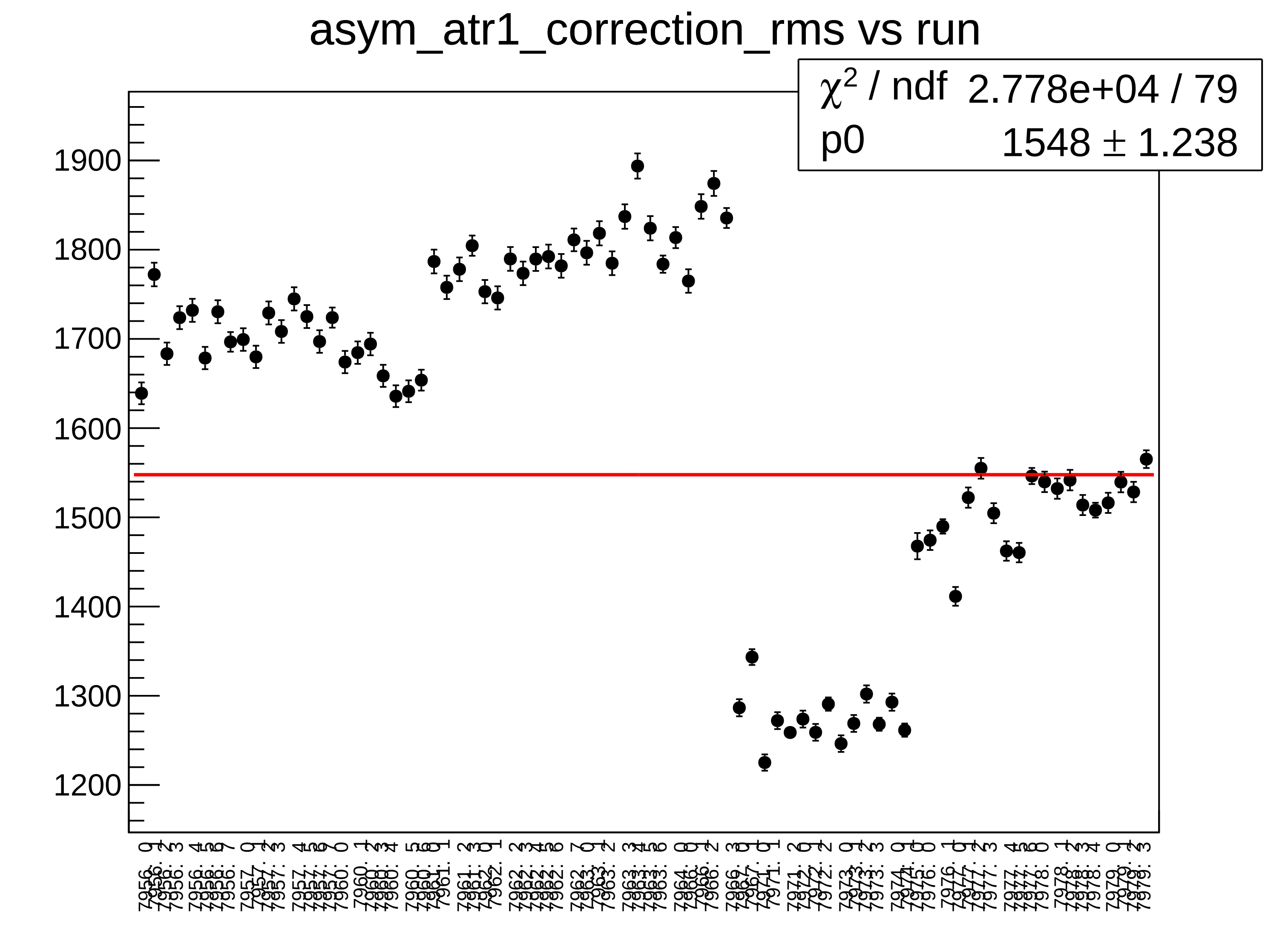
asym_atl2_rms vs run
χ^2 / ndf 2943 / 79
p0 9292 ± 7.372
10500
10000
9500
9000
8500
8000

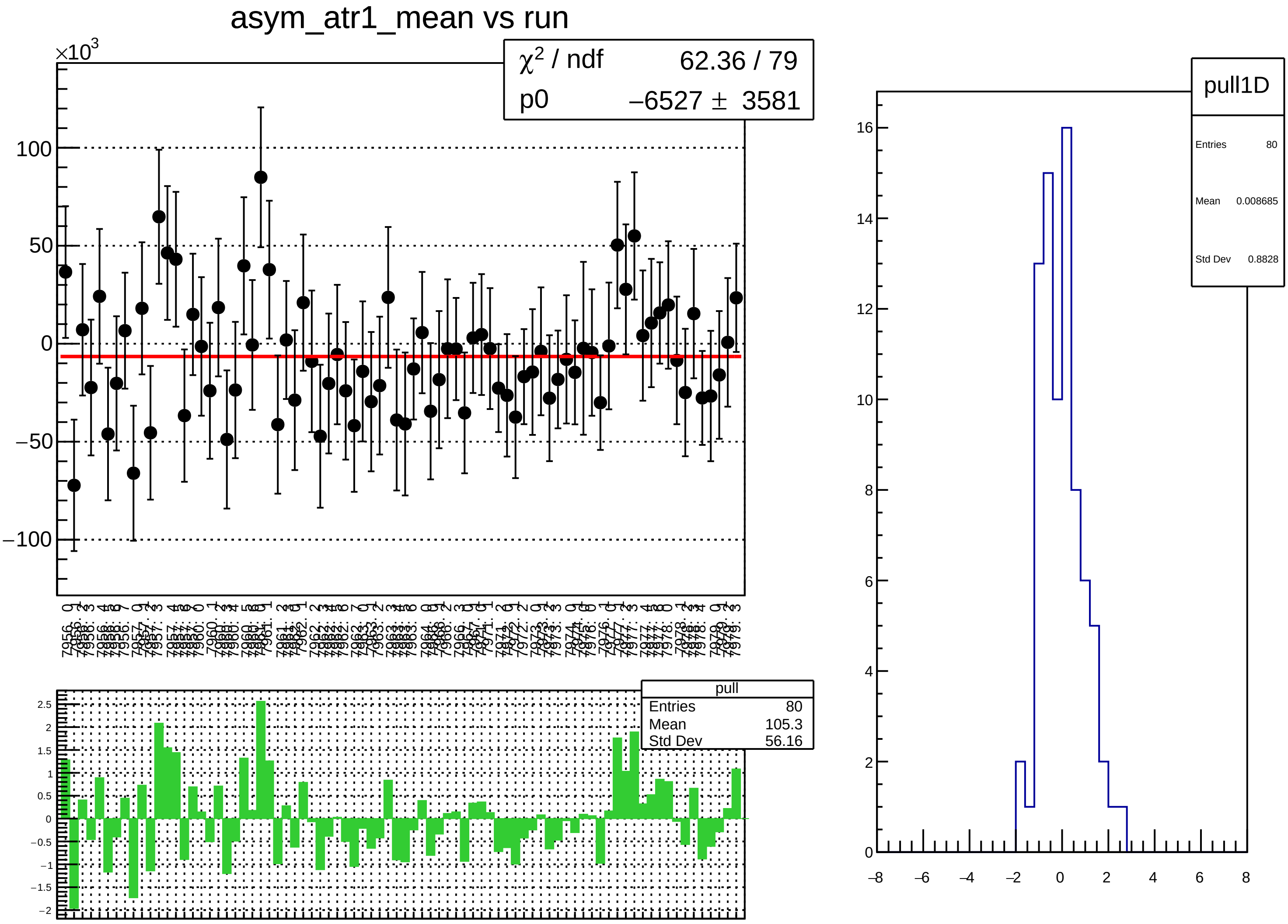


dit_asym_atr1_mean vs run
$\times10^3$
χ^2 / ndf 79.15 / 79
p0 −3867 ± 3111
pull
Entries 80
Mean 76.86
Std Dev 34.43
pull1D
Entries 80
Mean 0.01043
Std Dev 0.9946

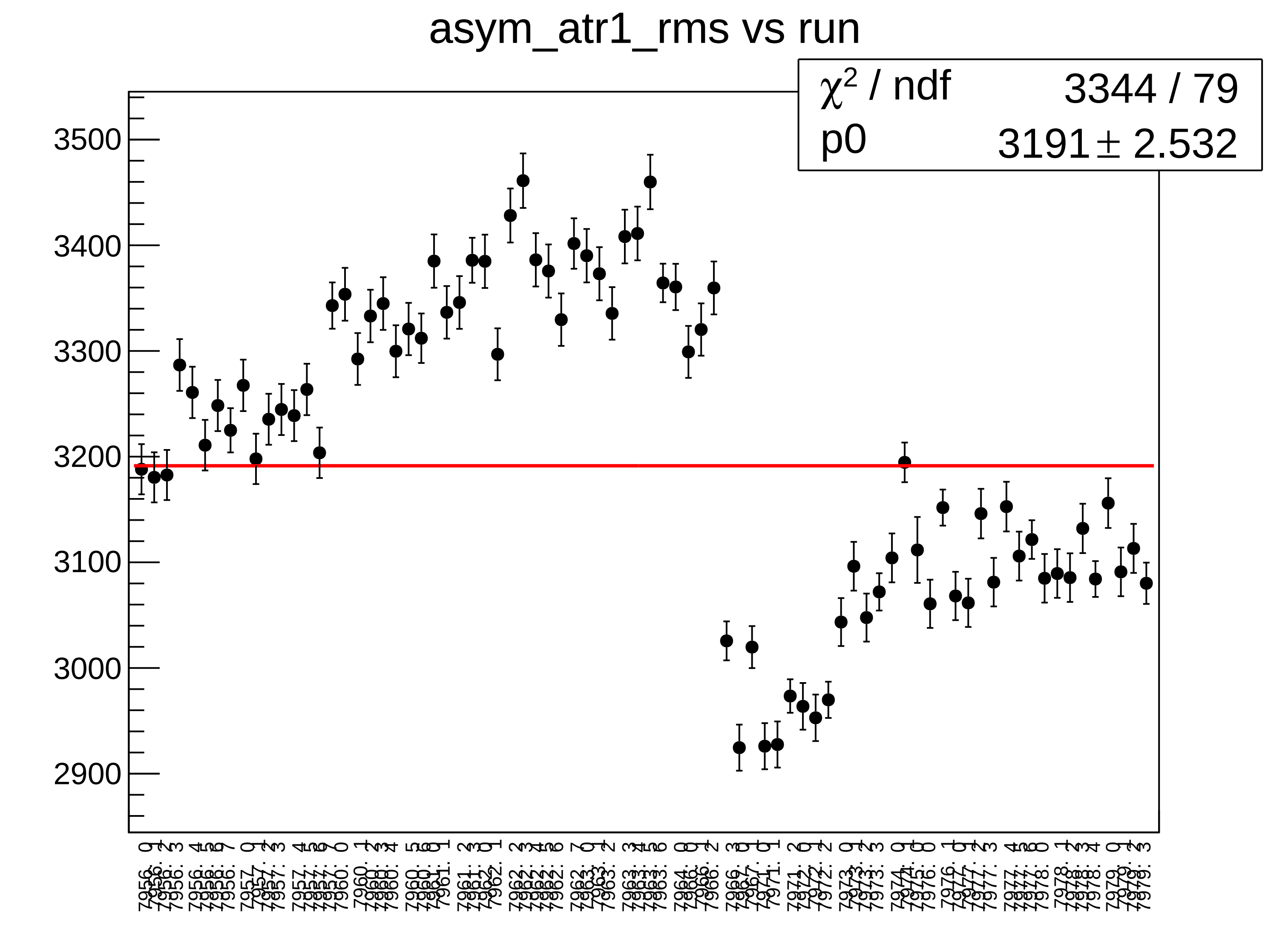

dit_asym_atr1_rms vs run
χ^2 / ndf 353.5 / 79
p0 2775 ± 2.2

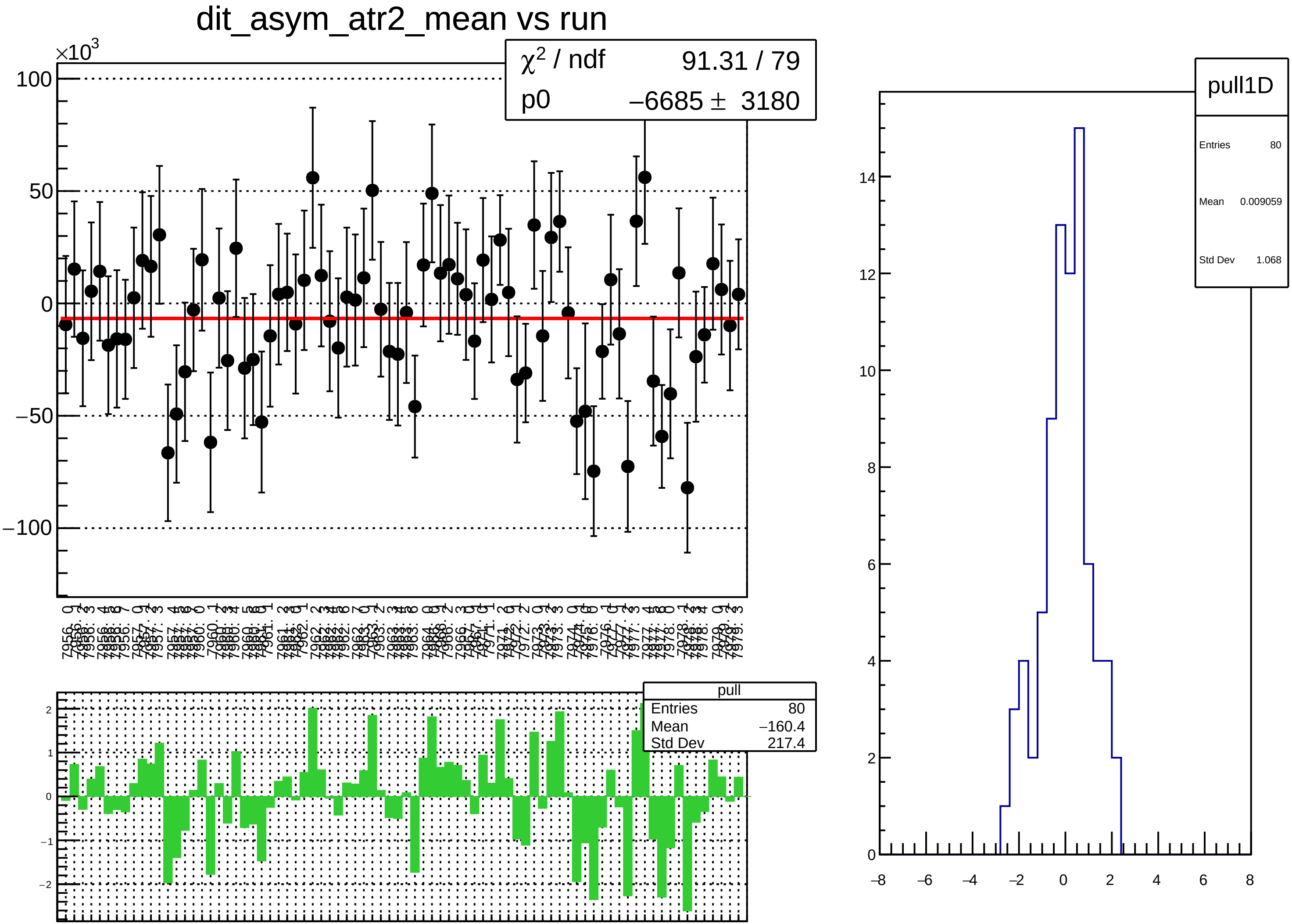

asym_atr1_correction_mean vs run
χ^2 / ndf 90.45 / 79
p0 2594 ± 1750
pull
Entries 80
Mean −313.6
Std Dev 440.2
pull1D
Entries 80
Mean 0.001148
Std Dev 1.063


asym_atr1_correction_rms vs run
χ^2 / ndf 2.778e+04 / 79
p0 1548 ± 1.238
1900
1800
1700
1600
1500
1400
1300
1200

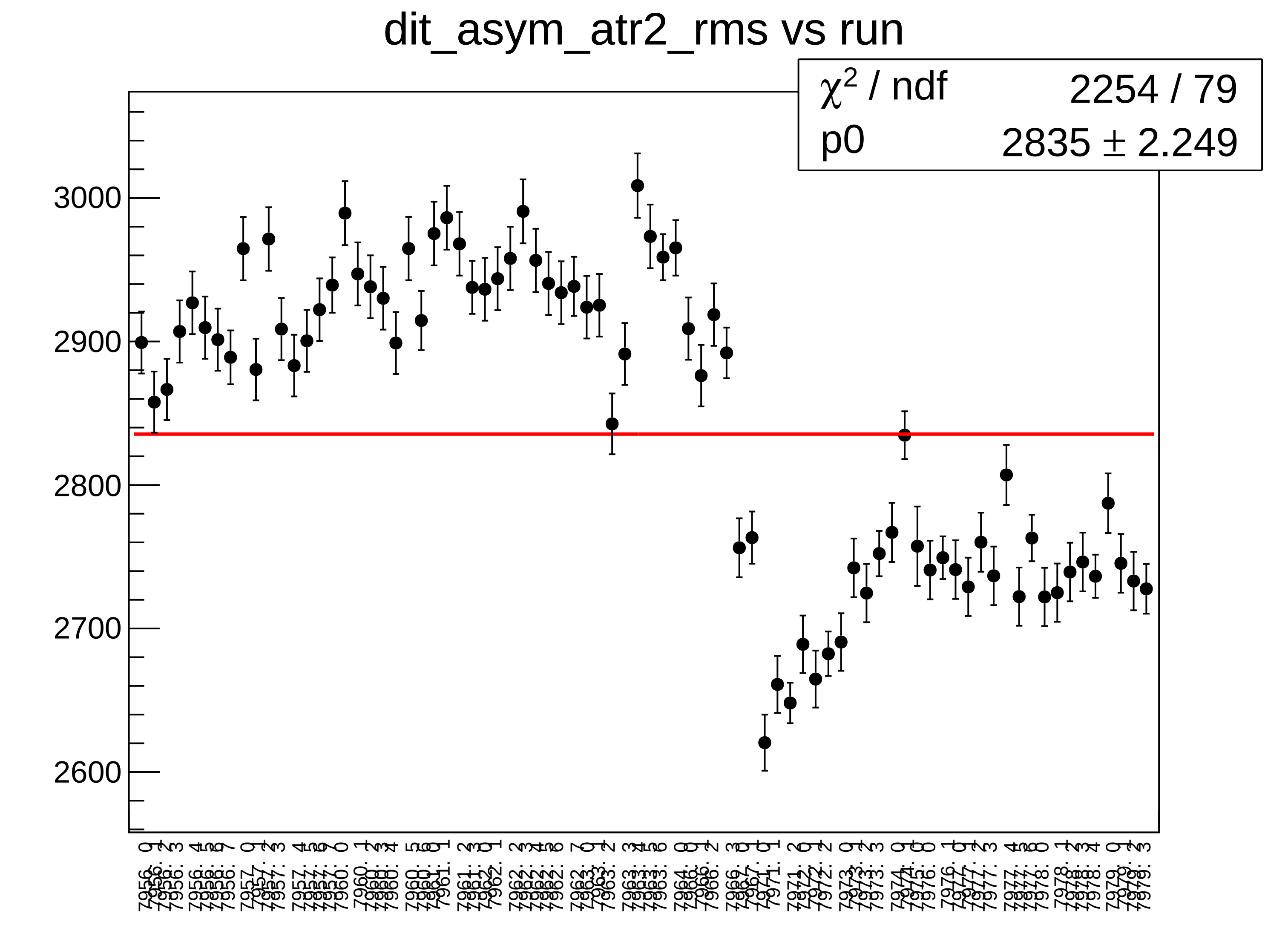


asym_atr1_mean vs run
×10^3
χ2 / ndf 62.36 / 79
p0 −6527 ± 3581
100
50
0
−50
−100
pull
Entries 80
Mean 105.3
Std Dev 56.16
pull1D
Entries 80
Mean 0.008685
Std Dev 0.8828

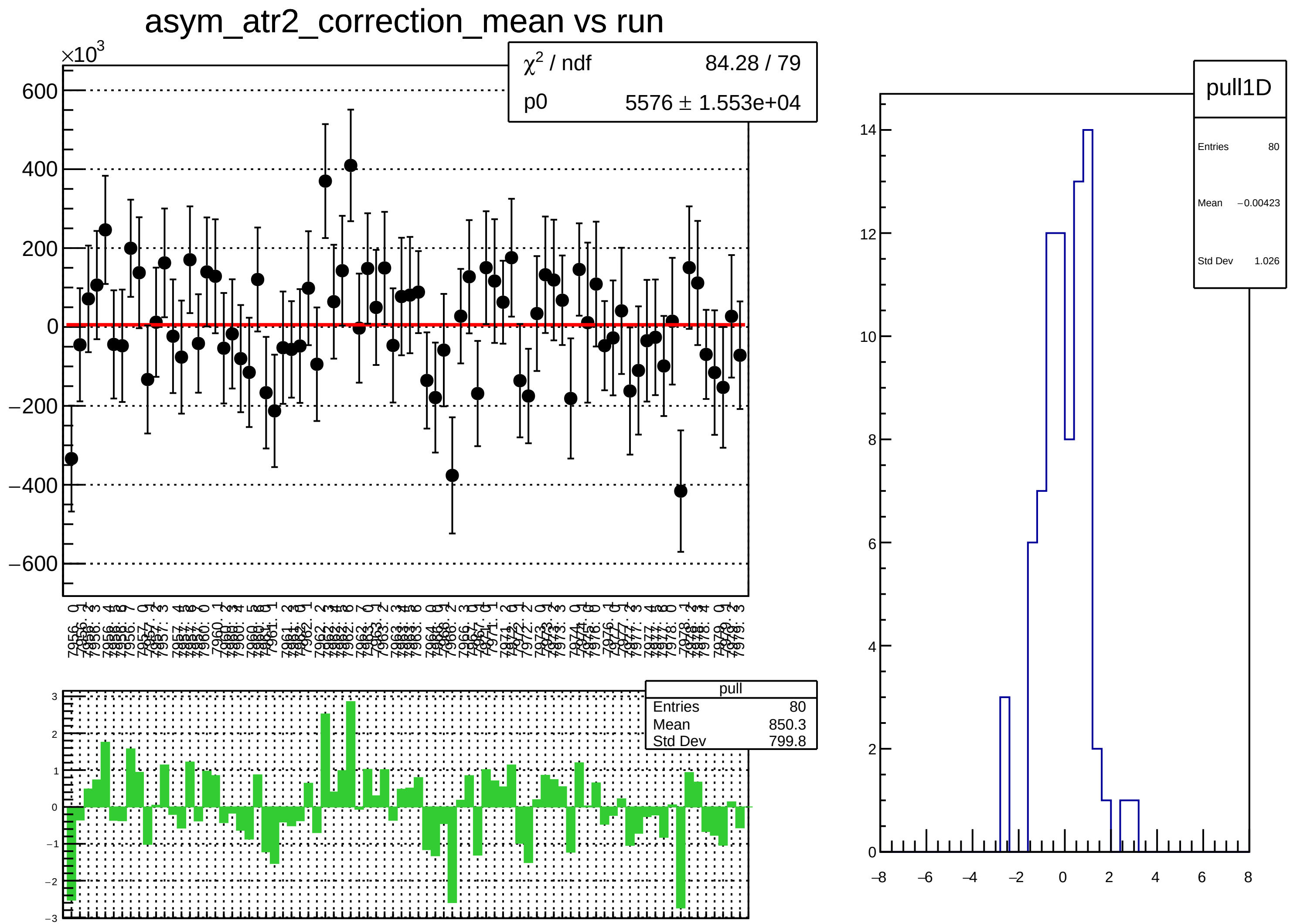

asym_atr1_rms vs run
χ2 / ndf 3344 / 79
p0 3191 ± 2.532
3500
3400
3300
3200
3100
3000
2900



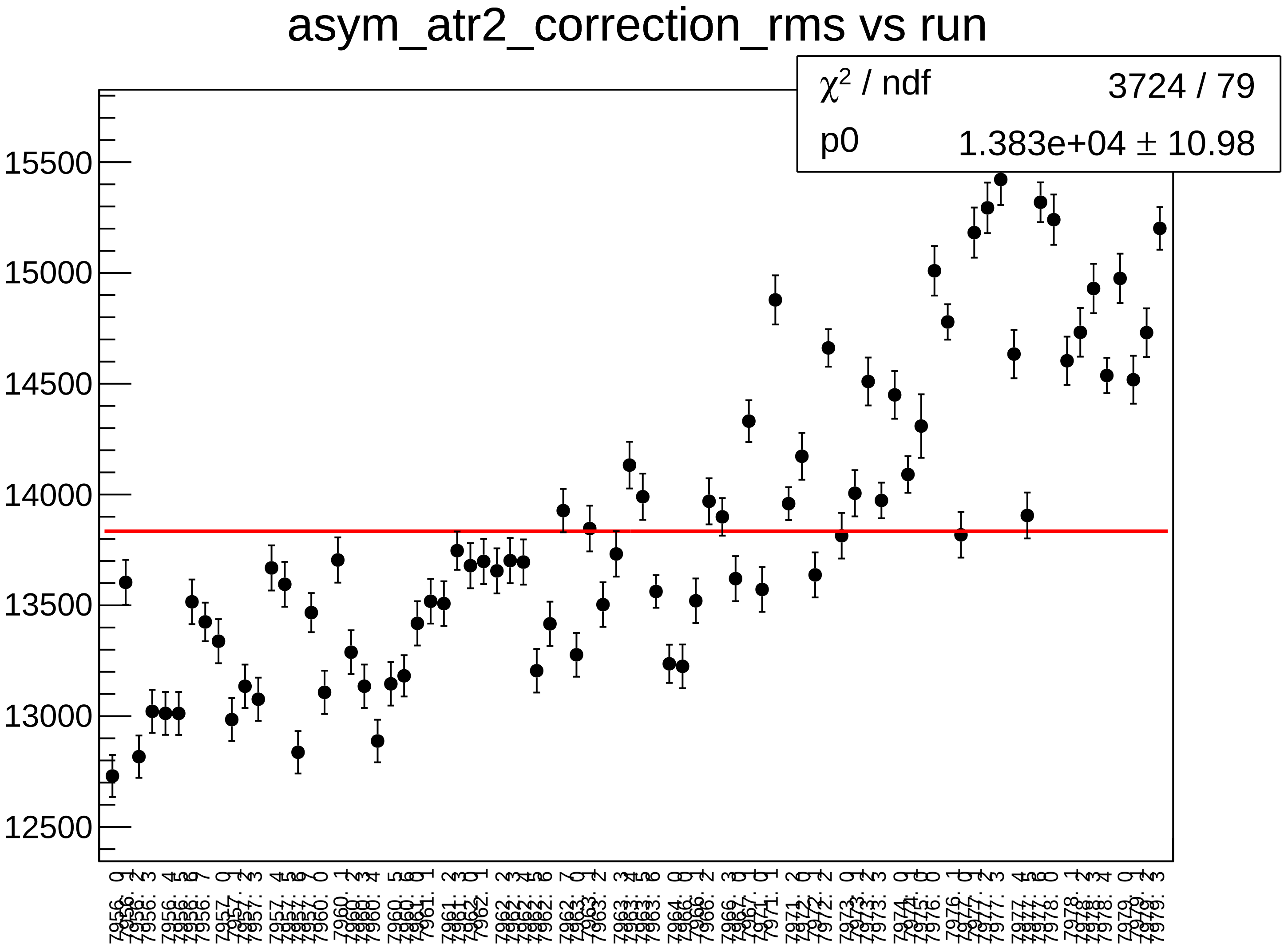
dit_asym_atr2_mean vs run
×10^3
χ2 / ndf 91.31 / 79
p0 −6685 ± 3180
100
50
0
−50
−100
pull
Entries 80
Mean −160.4
Std Dev 217.4
pull1D
Entries 80
Mean 0.009059
Std Dev 1.068



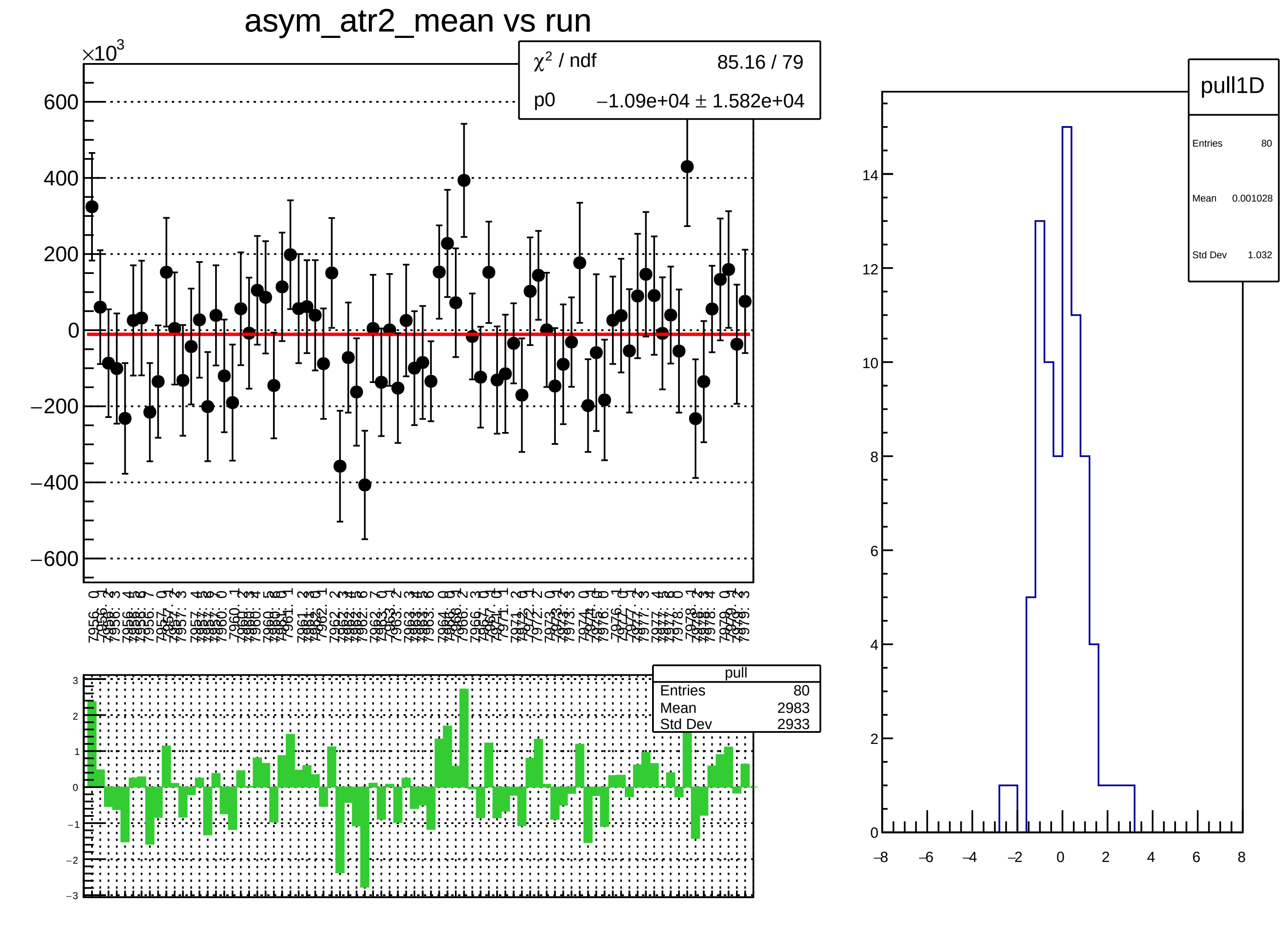
dit_asym_atr2_rms vs run
χ^2 / ndf 2254 / 79
p0 2835 ± 2.249
3000
2900
2800
2700
2600



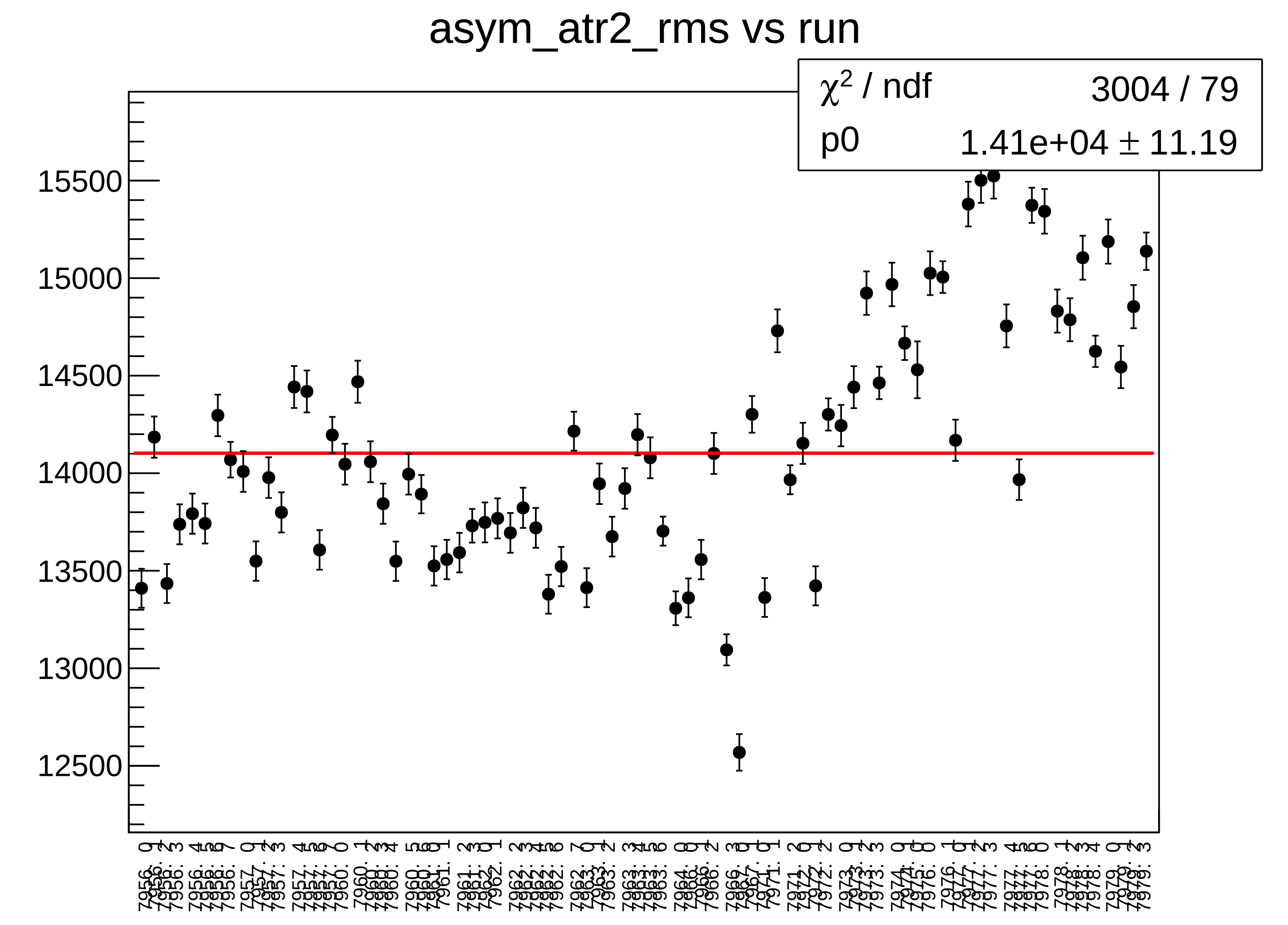
asym_atr2_correction_mean vs run
χ^2 / ndf 84.28 / 79
p0 5576 ± 1.553e+04
×10^3
pull
Entries 80
Mean 850.3
Std Dev 799.8
pull1D
Entries 80
Mean −0.00423
Std Dev 1.026



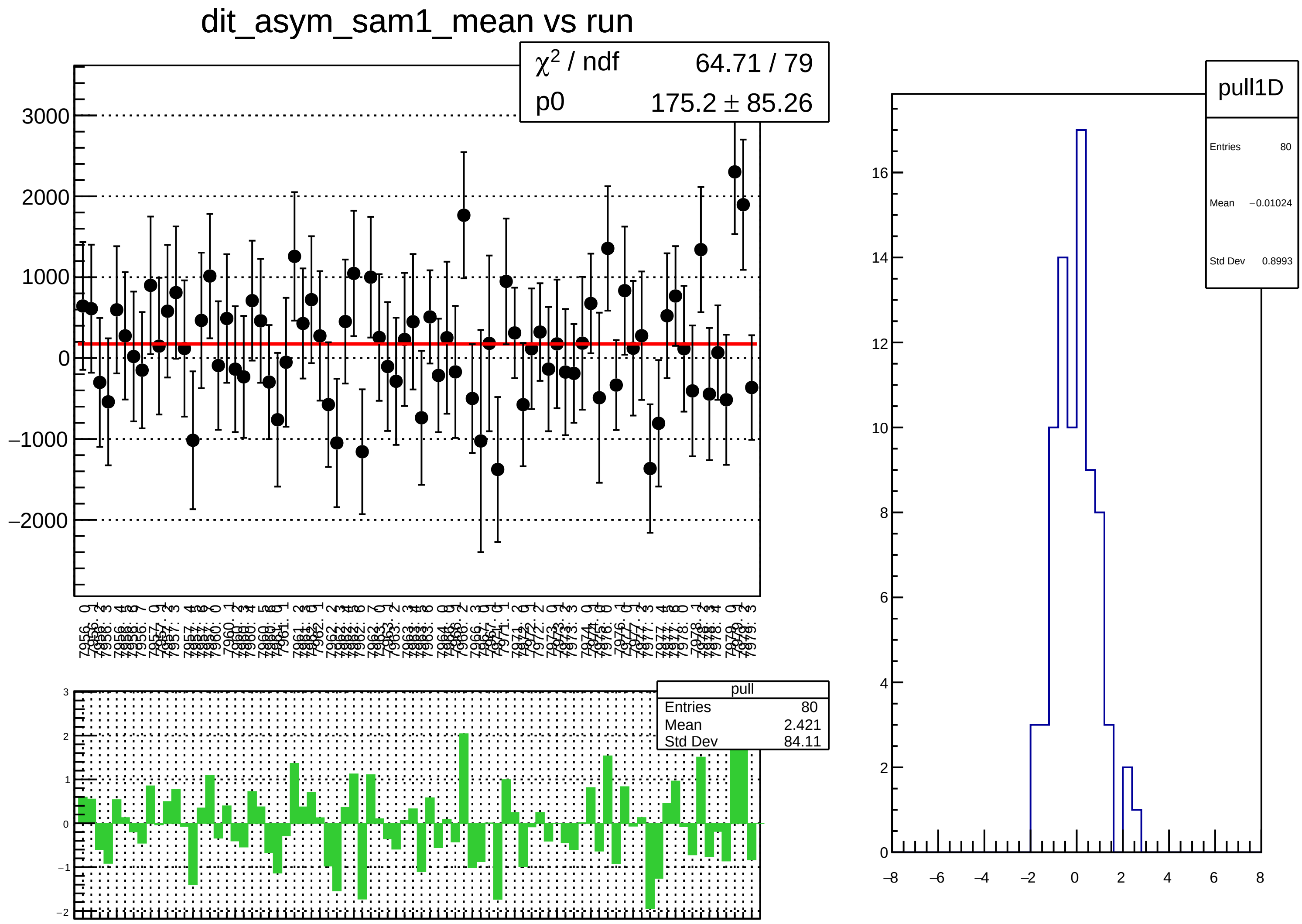
asym_atr2_correction_rms vs run
χ^2 / ndf 3724 / 79
p0 1.383e+04 ± 10.98
15500
15000
14500
14000
13500
13000
12500

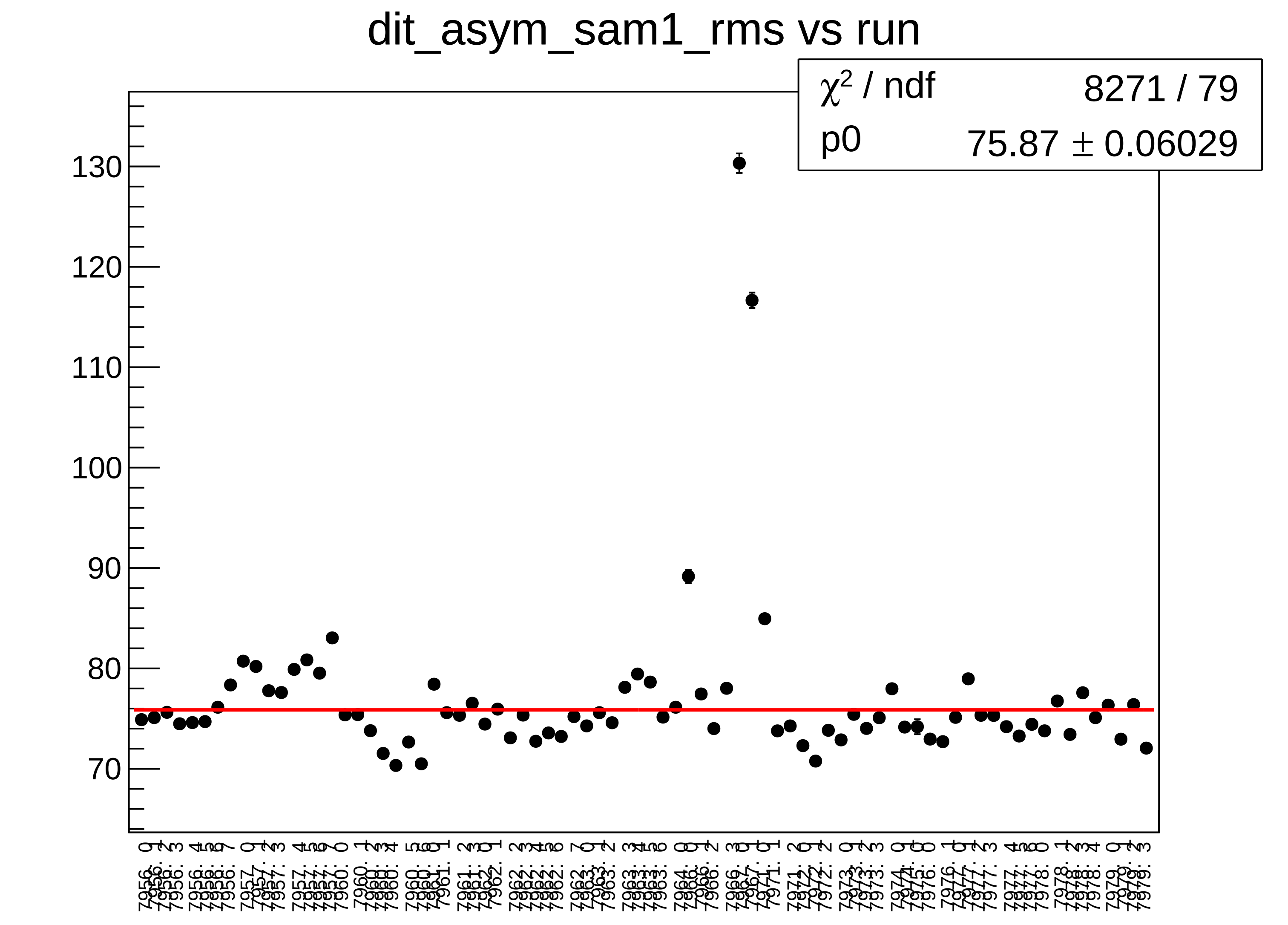


asym_atr2_mean vs run
×10^3
χ2 / ndf 85.16 / 79
p0 −1.09e+04 ± 1.582e+04
600
400
200
0
−200
−400
−600
pull
Entries 80
Mean 2983
Std Dev 2933
pull1D
Entries 80
Mean 0.001028
Std Dev 1.032

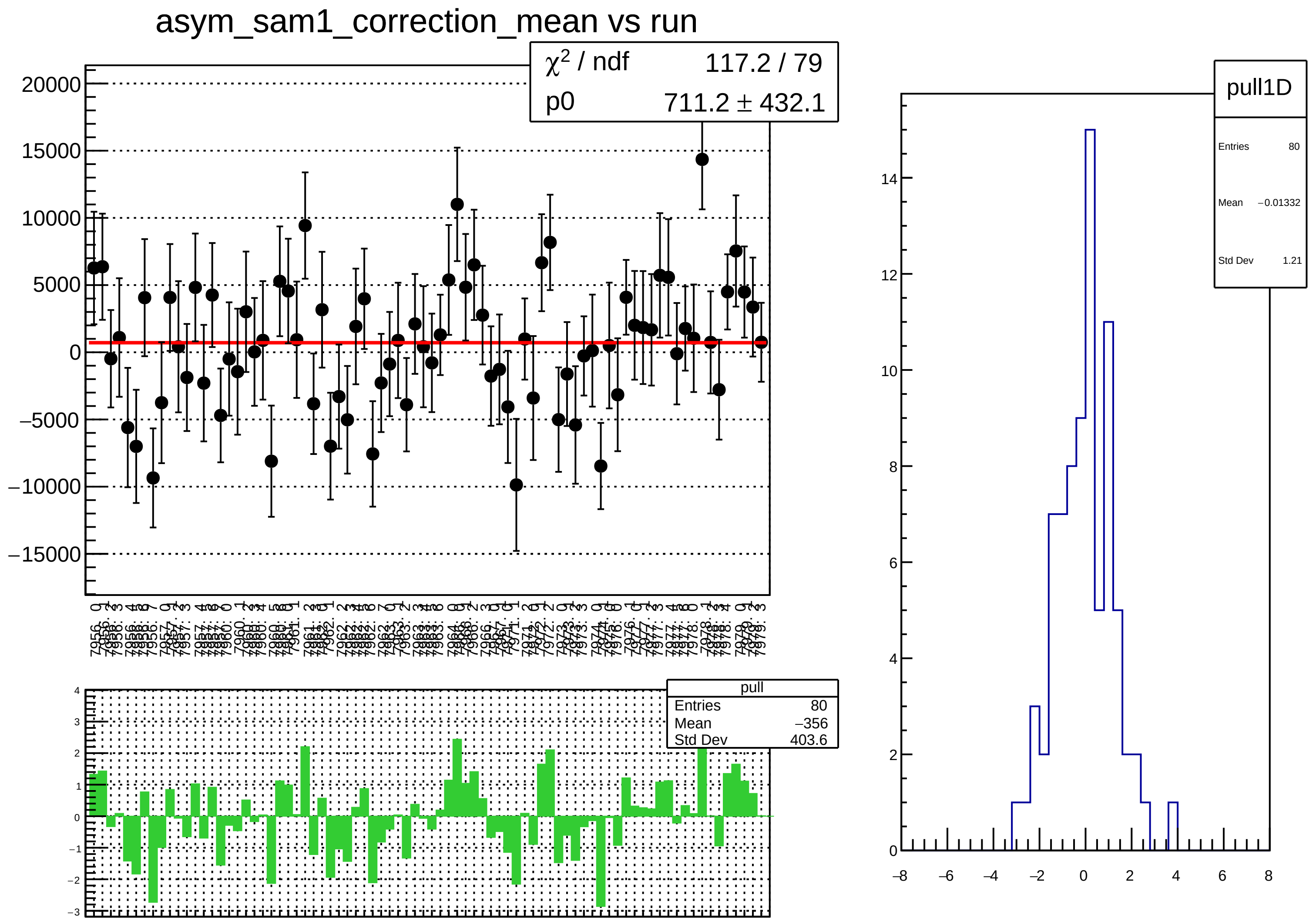


asym_atr2_rms vs run
χ^2 / ndf 3004 / 79
p0 1.41e+04 ± 11.19
15500
15000
14500
14000
13500
13000
12500

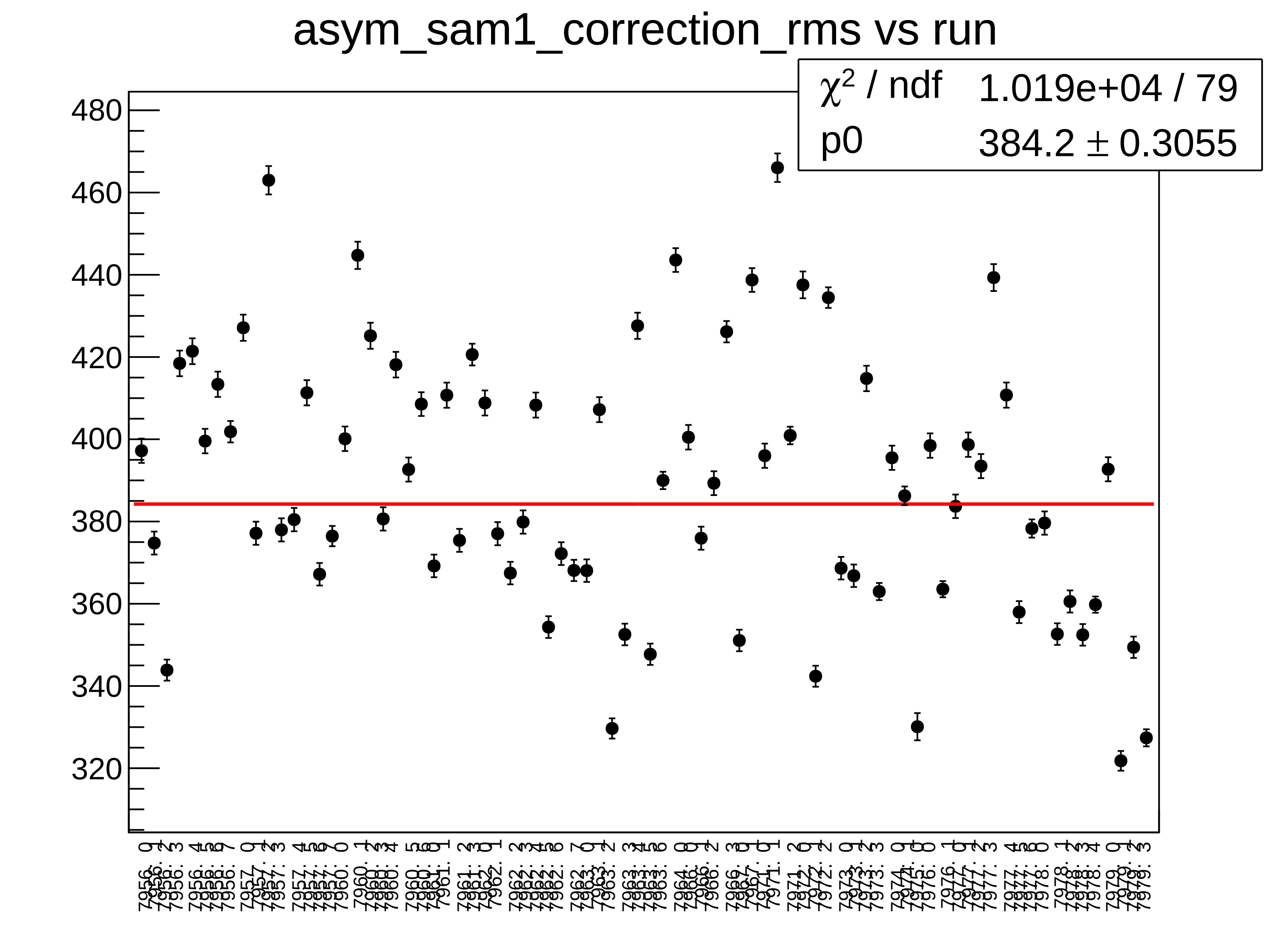

dit_asym_sam1_mean vs run
χ^2 / ndf 64.71 / 79
p0 175.2 ± 85.26
3000
2000
1000
0
−1000
−2000
pull
Entries 80
Mean 2.421
Std Dev 84.11
pull1D
Entries 80
Mean −0.01024
Std Dev 0.8993

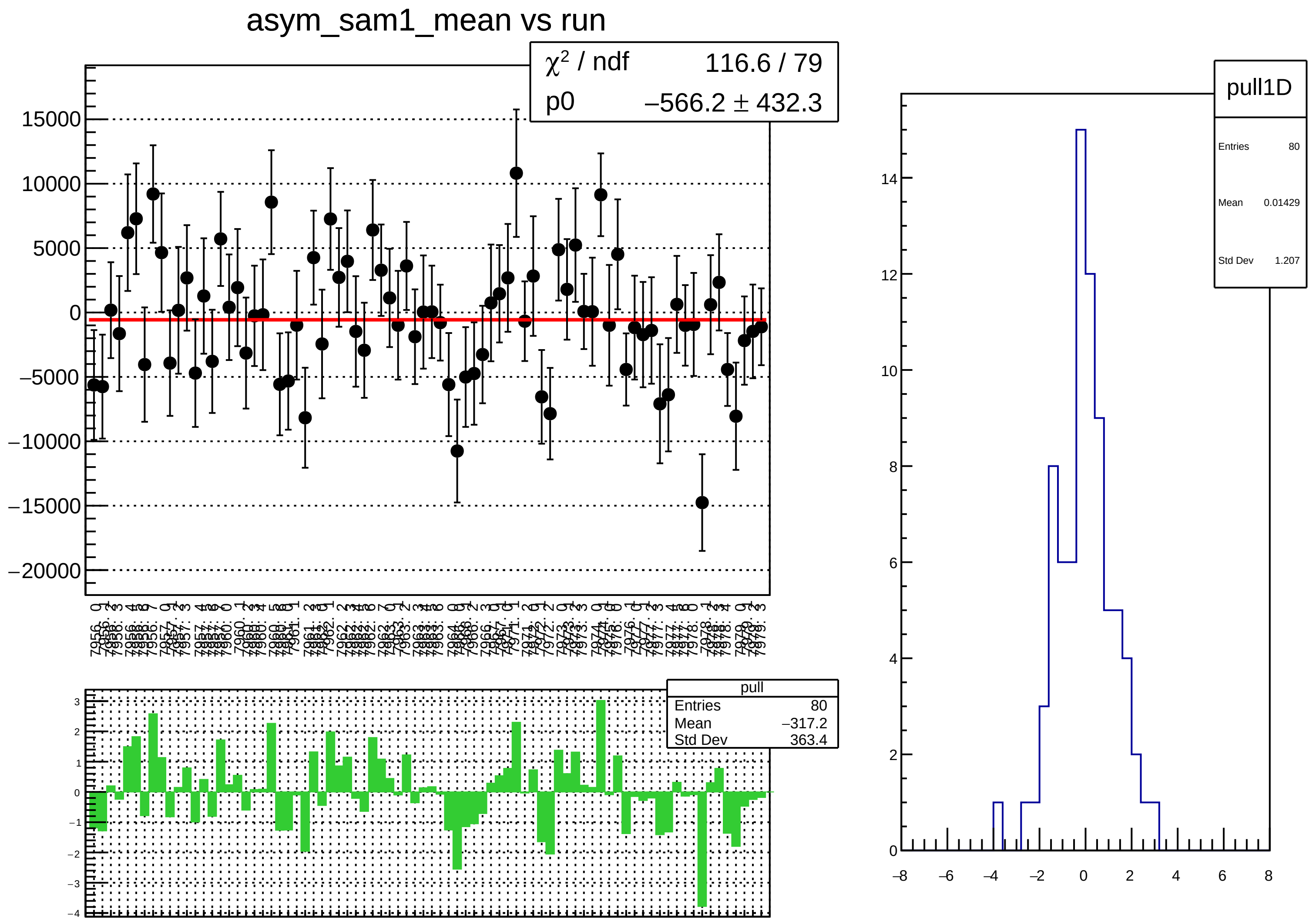


dit_asym_sam1_rms vs run
χ^2 / ndf 8271 / 79
p0 75.87 ± 0.06029
130
120
110
100
90
80
70

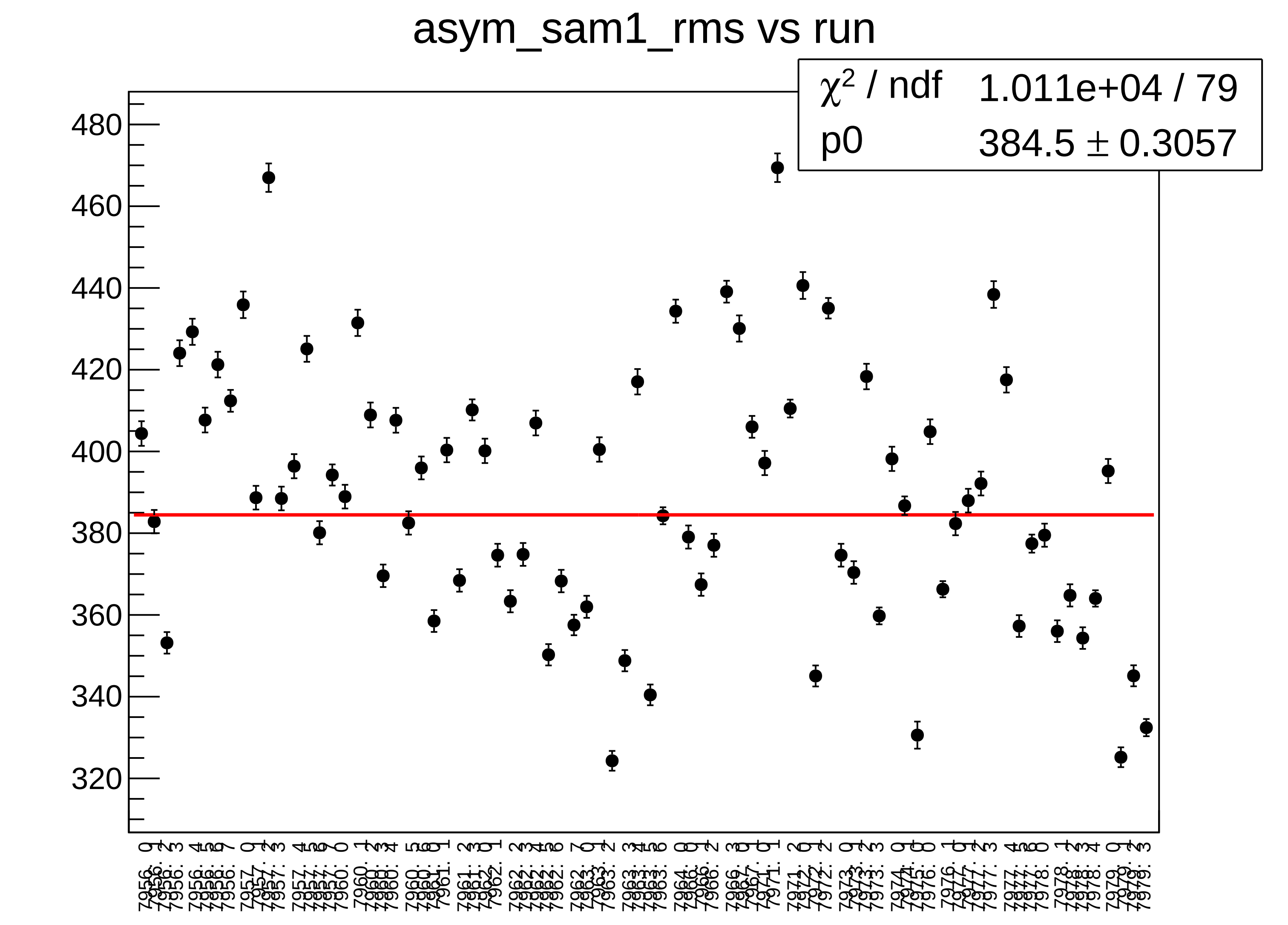


asym_sam1_correction_mean vs run
χ2 / ndf 117.2 / 79
p0 711.2 ± 432.1
pull
Entries 80
Mean −356
Std Dev 403.6
pull1D
Entries 80
Mean −0.01332
Std Dev 1.21

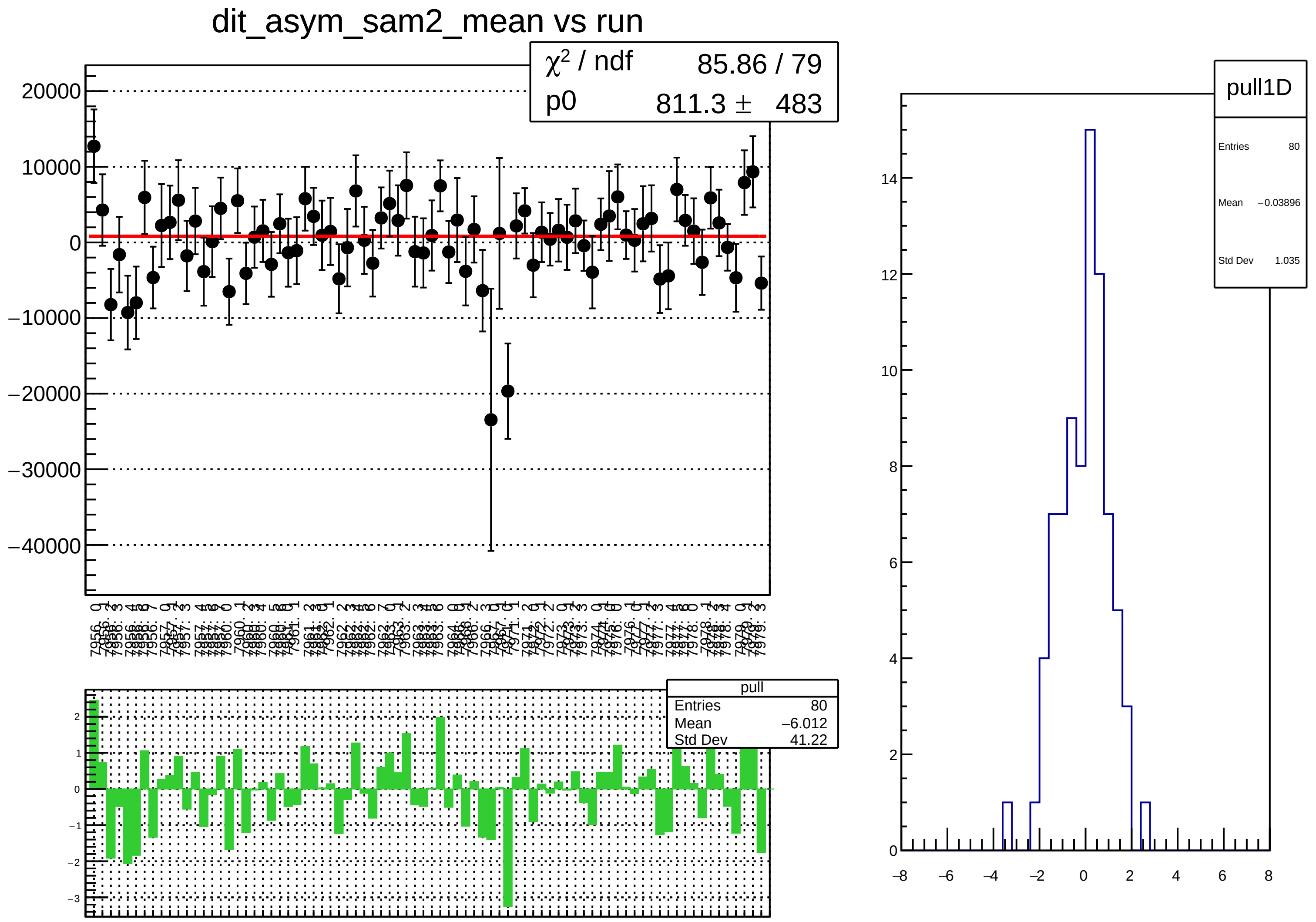

asym_sam1_correction_rms vs run
χ2 / ndf 1.019e+04 / 79
p0 384.2 ± 0.3055
480
460
440
420
400
380
360
340
320



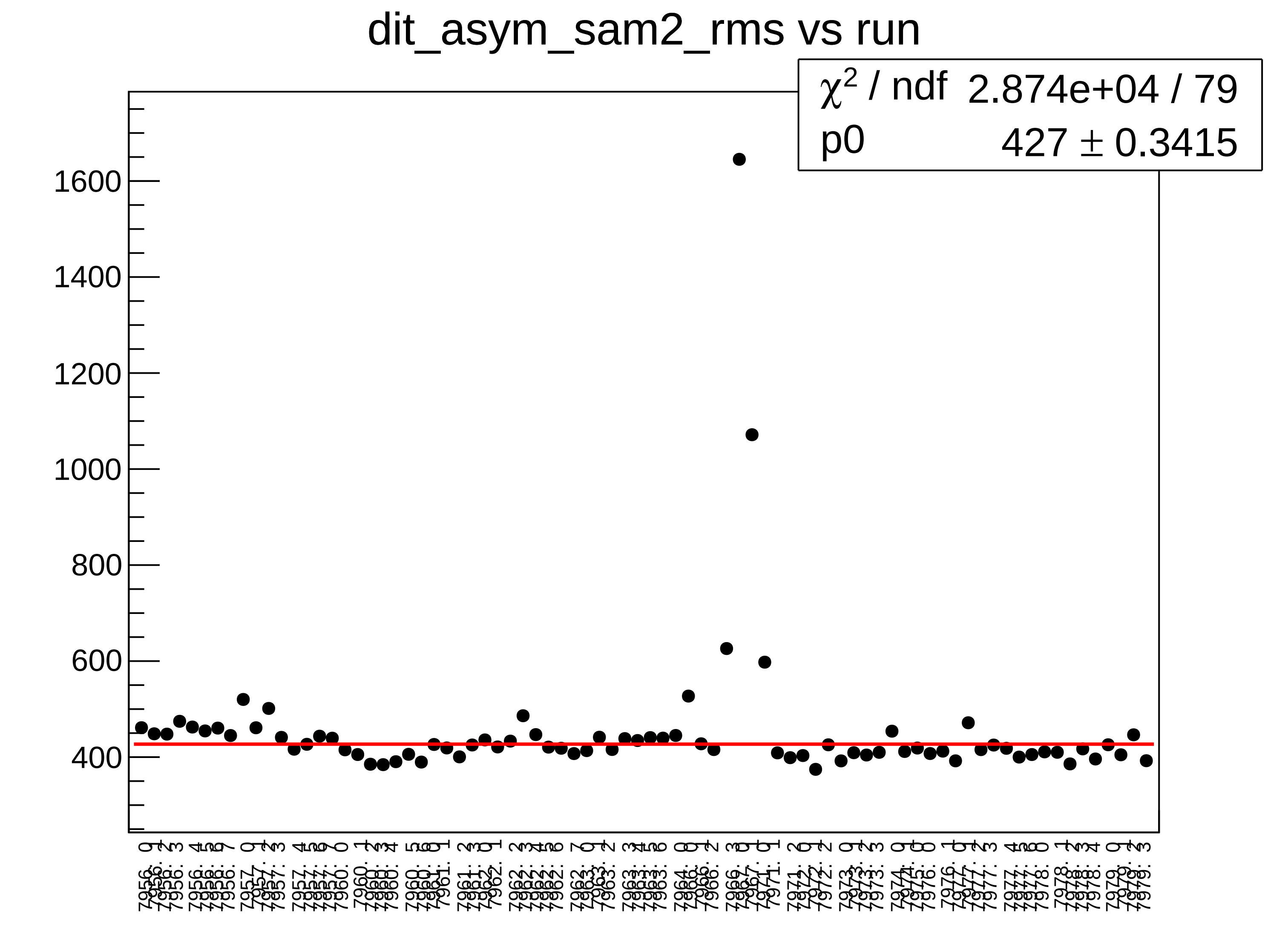
asym_sam1_mean vs run
χ^2 / ndf 116.6 / 79
p0 −566.2 ± 432.3
pull
Entries 80
Mean −317.2
Std Dev 363.4
pull1D
Entries 80
Mean 0.01429
Std Dev 1.207

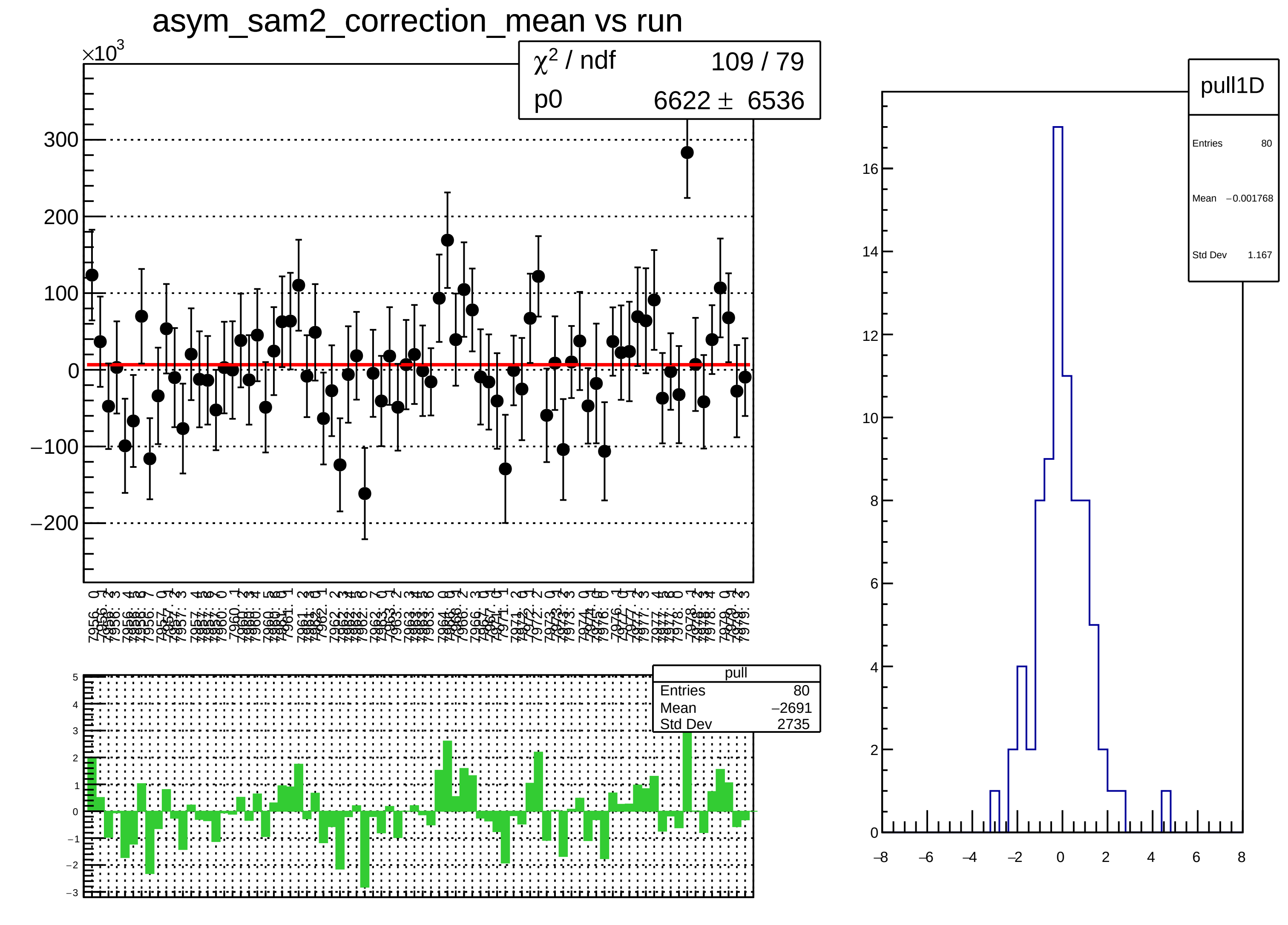


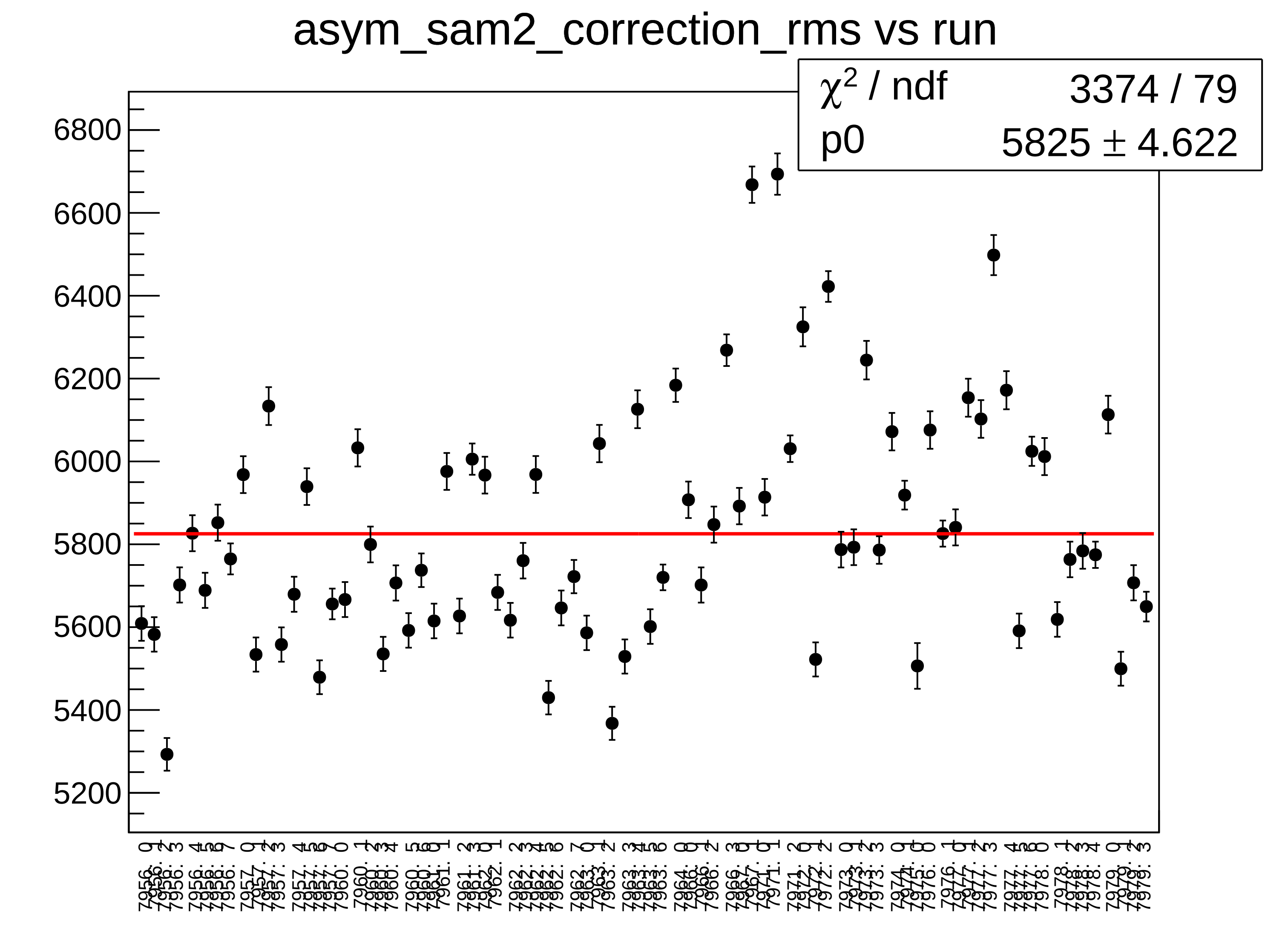
asym_sam1_rms vs run
χ2 / ndf 1.011e+04 / 79
p0 384.5 ± 0.3057
480
460
440
420
400
380
360
340
320



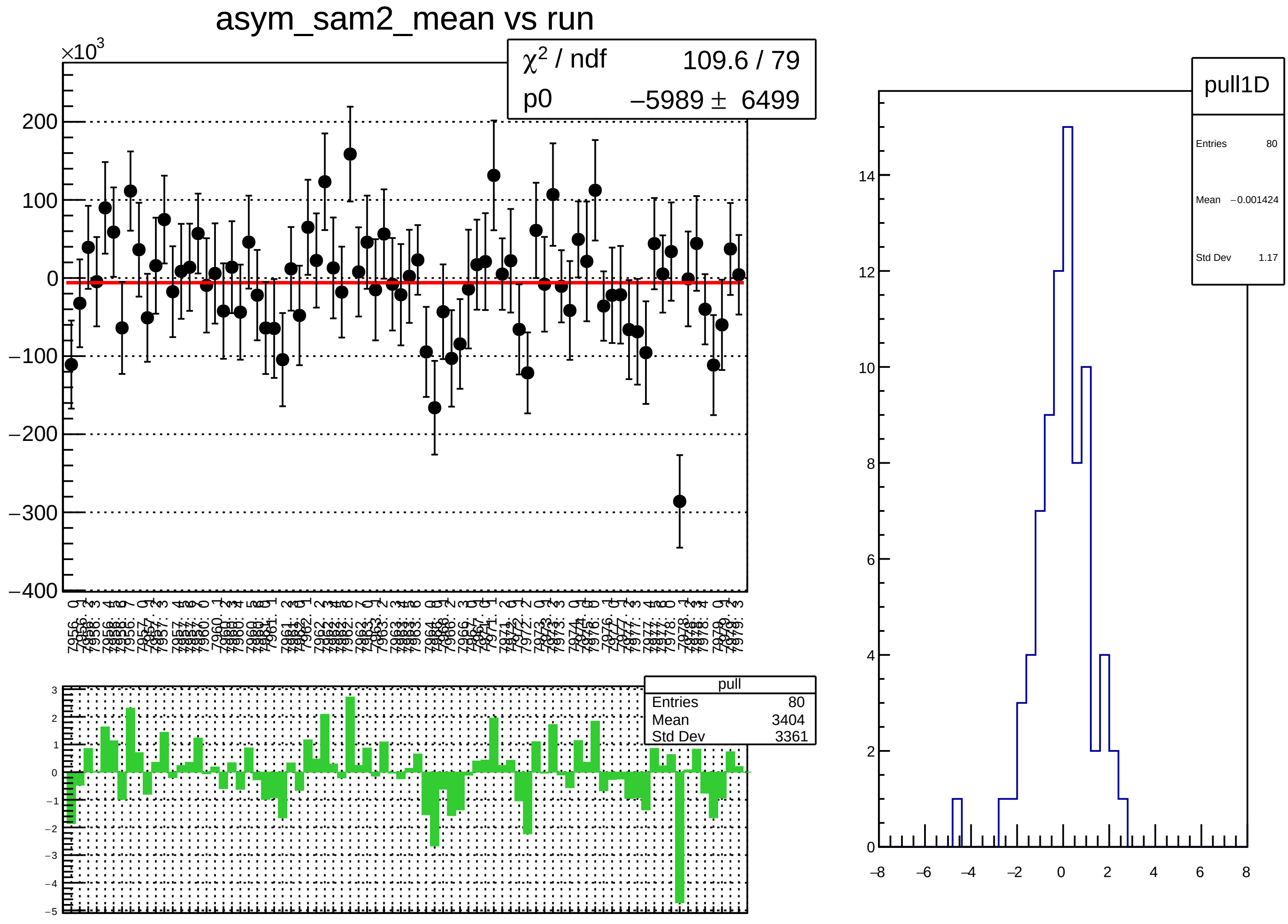
dit_asym_sam2_mean vs run
χ^2 / ndf 85.86 / 79
p0 811.3 ± 483
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 80
Mean −6.012
Std Dev 41.22
pull1D
Entries 80
Mean −0.03896
Std Dev 1.035


dit_asym_sam2_rms vs run
χ2 / ndf 2.874e+04 / 79
p0 427 ± 0.3415
1600
1400
1200
1000
800
600
400

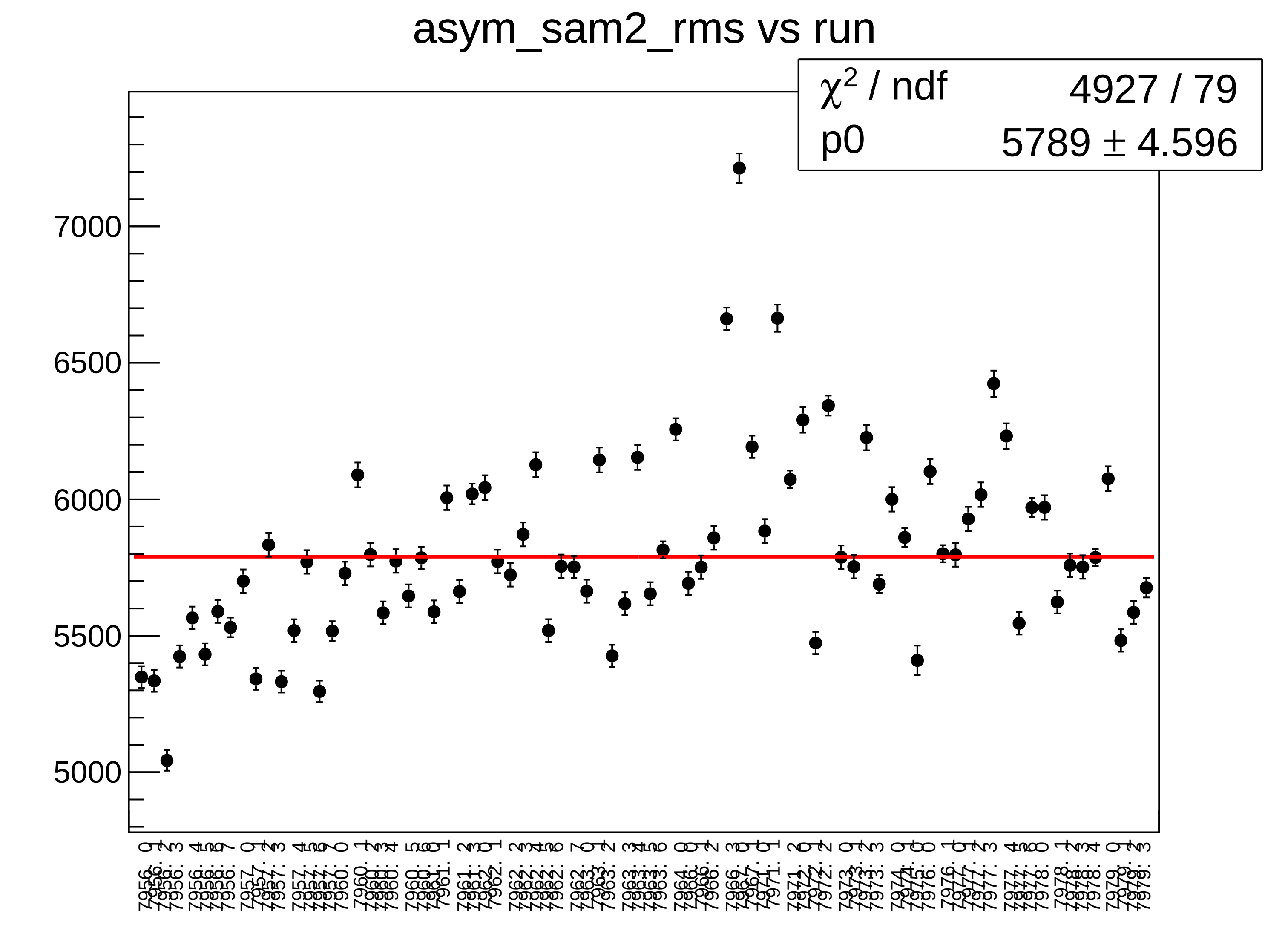

asym_sam2_correction_mean vs run
χ^2 / ndf 109 / 79
p0 6622 ± 6536
pull
Entries 80
Mean −2691
Std Dev 2735
pull1D
Entries 80
Mean −0.001768
Std Dev 1.167



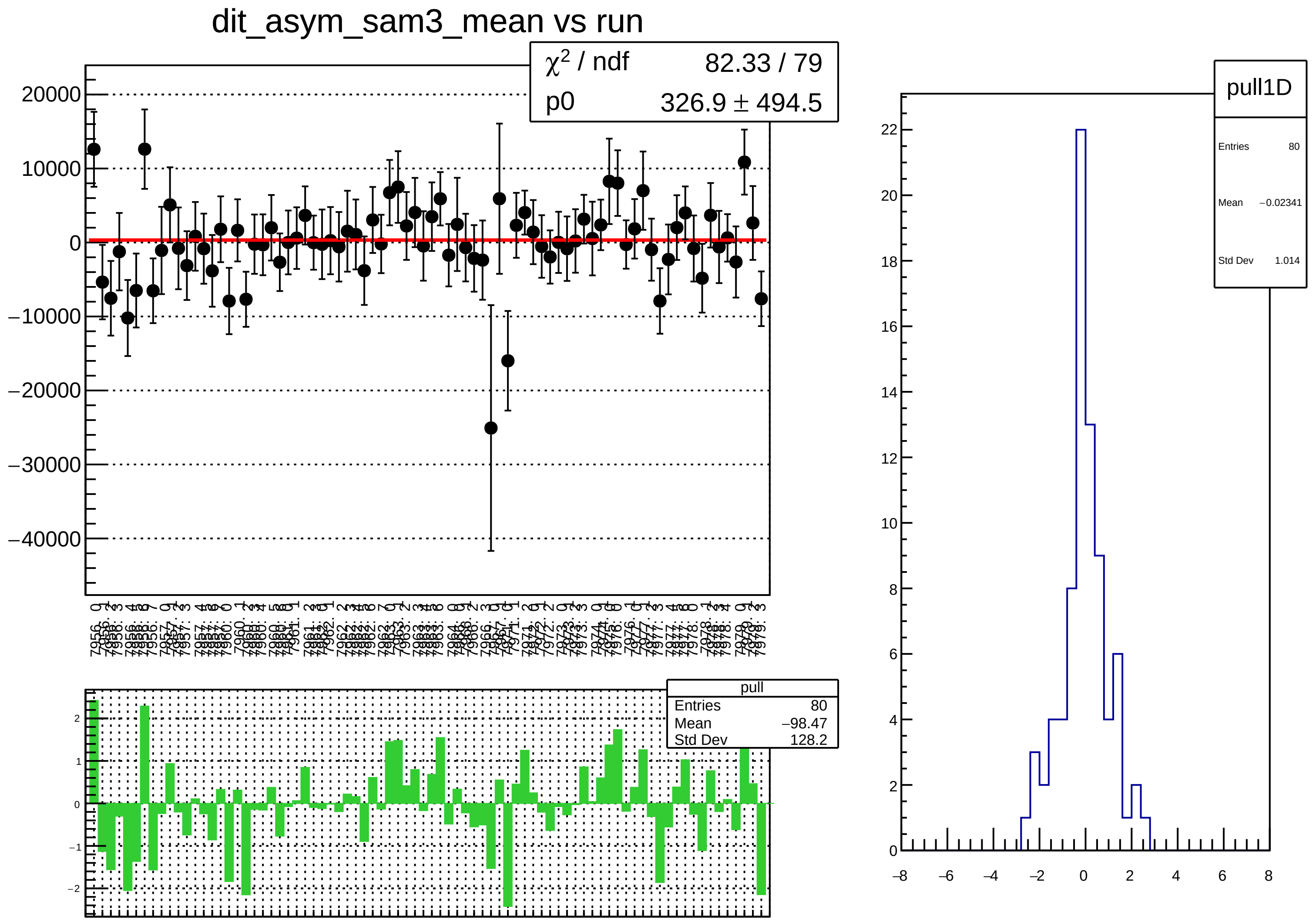
asym_sam2_correction_rms vs run
χ^2 / ndf 3374 / 79
p0 5825 ± 4.622

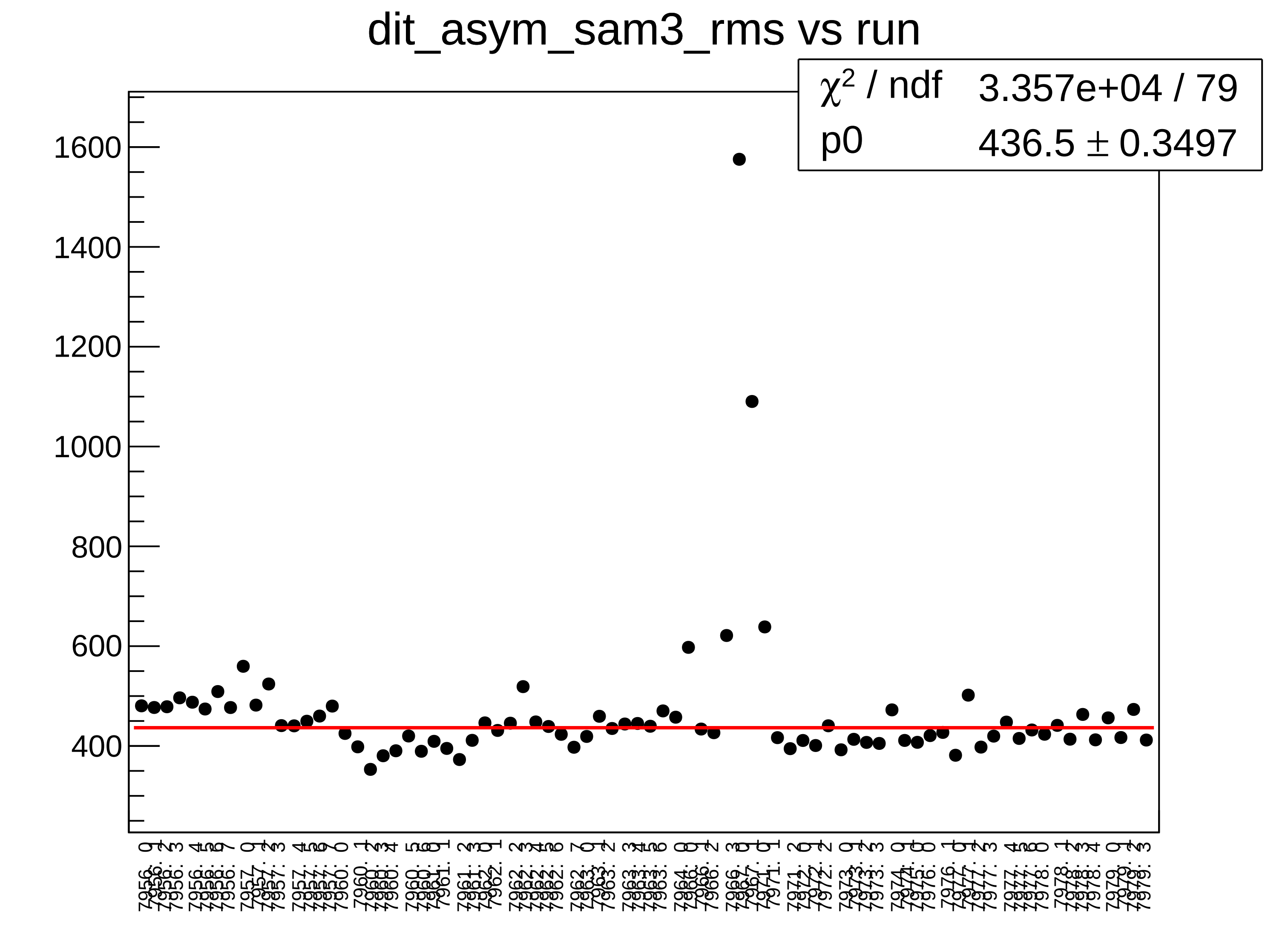


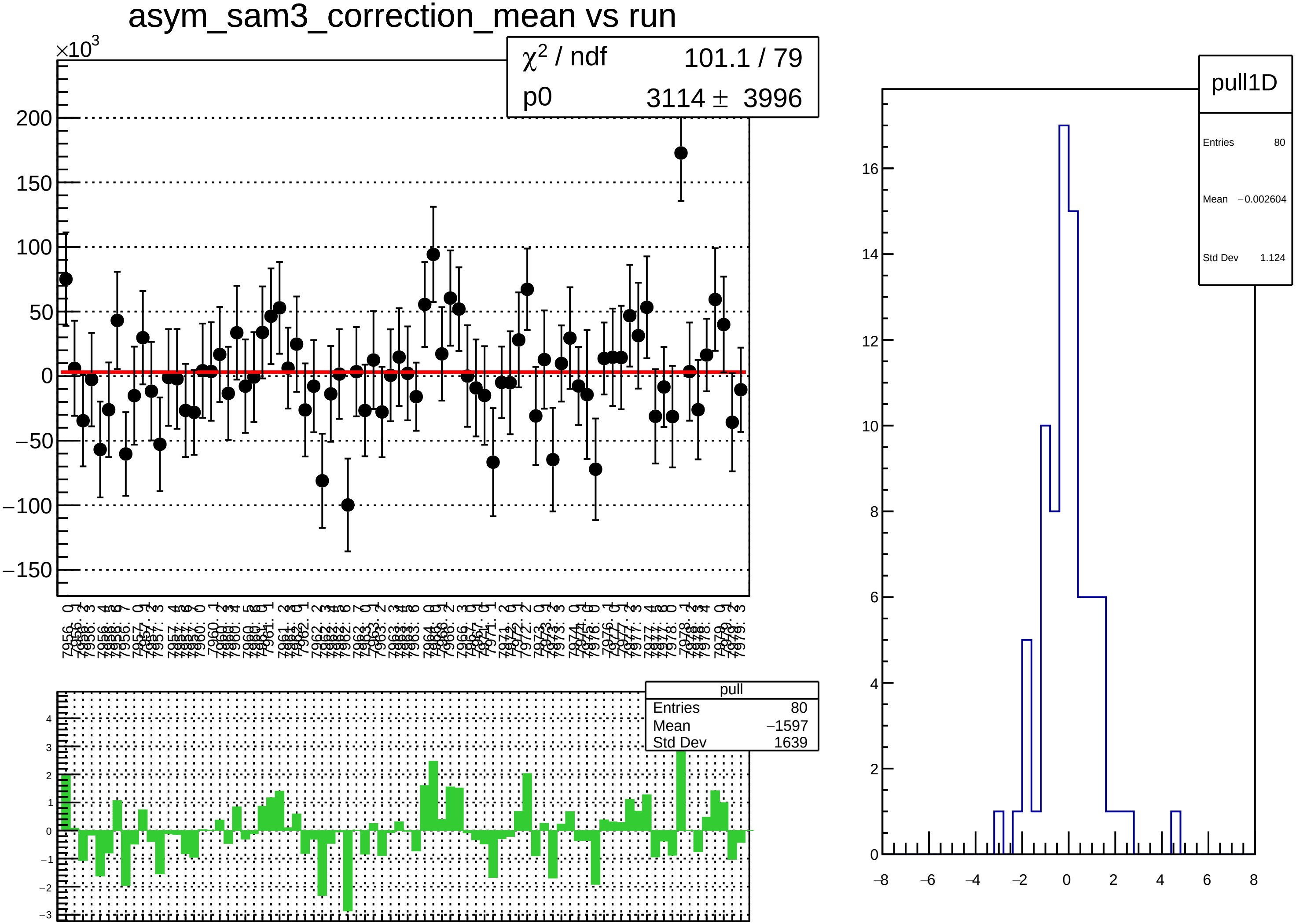
asym_sam2_mean vs run
×10^3
χ^2 / ndf 109.6 / 79
p0 −5989 ± 6499
pull
Entries 80
Mean 3404
Std Dev 3361
pull1D
Entries 80
Mean −0.001424
Std Dev 1.17



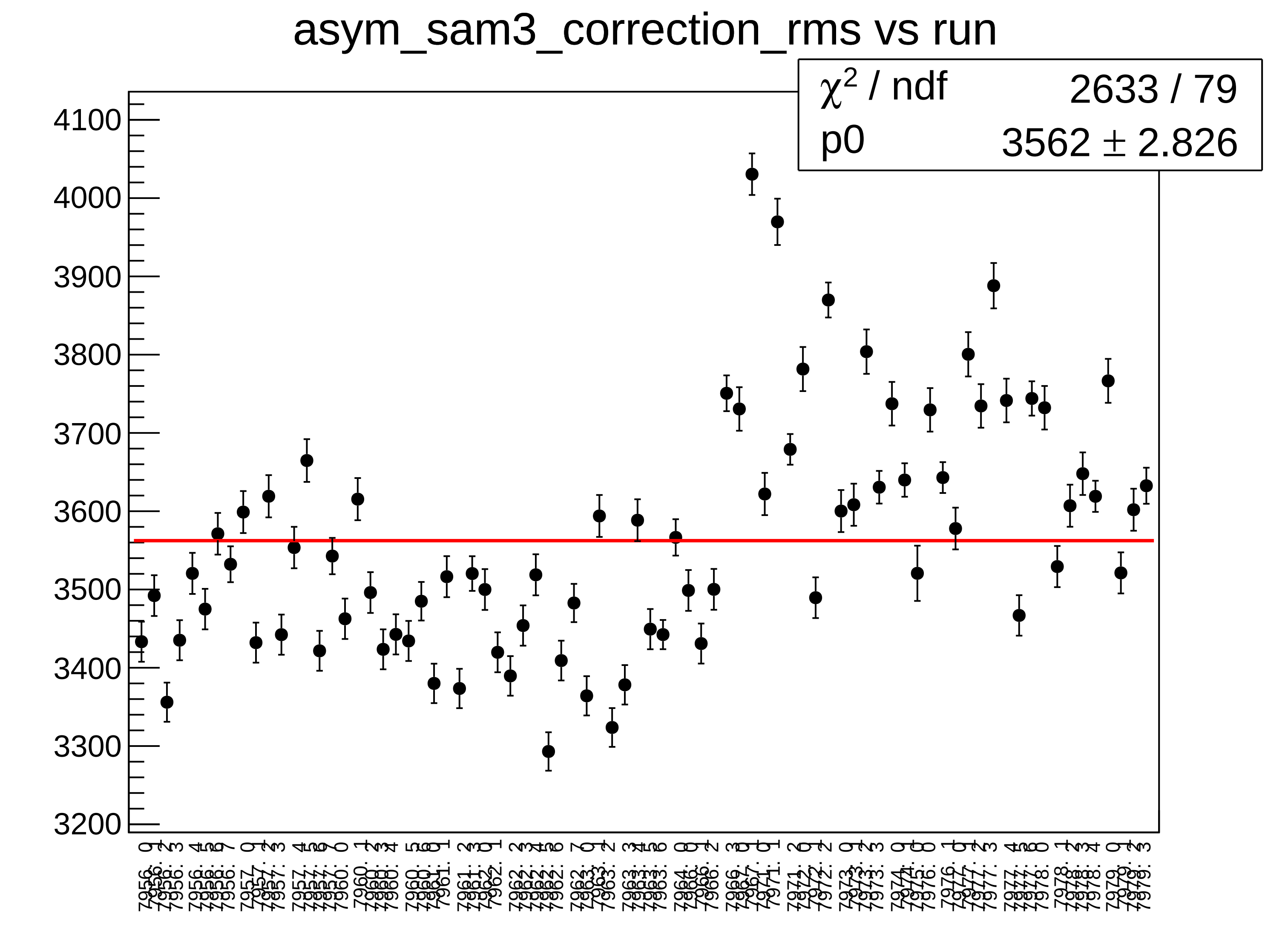
asym_sam2_rms vs run
χ^2 / ndf 4927 / 79
p0 5789 ± 4.596
7000
6500
6000
5500
5000


dit_asym_sam3_mean vs run
χ^2 / ndf 82.33 / 79
p0 326.9 ± 494.5
pull
Entries 80
Mean −98.47
Std Dev 128.2
pull1D
Entries 80
Mean −0.02341
Std Dev 1.014

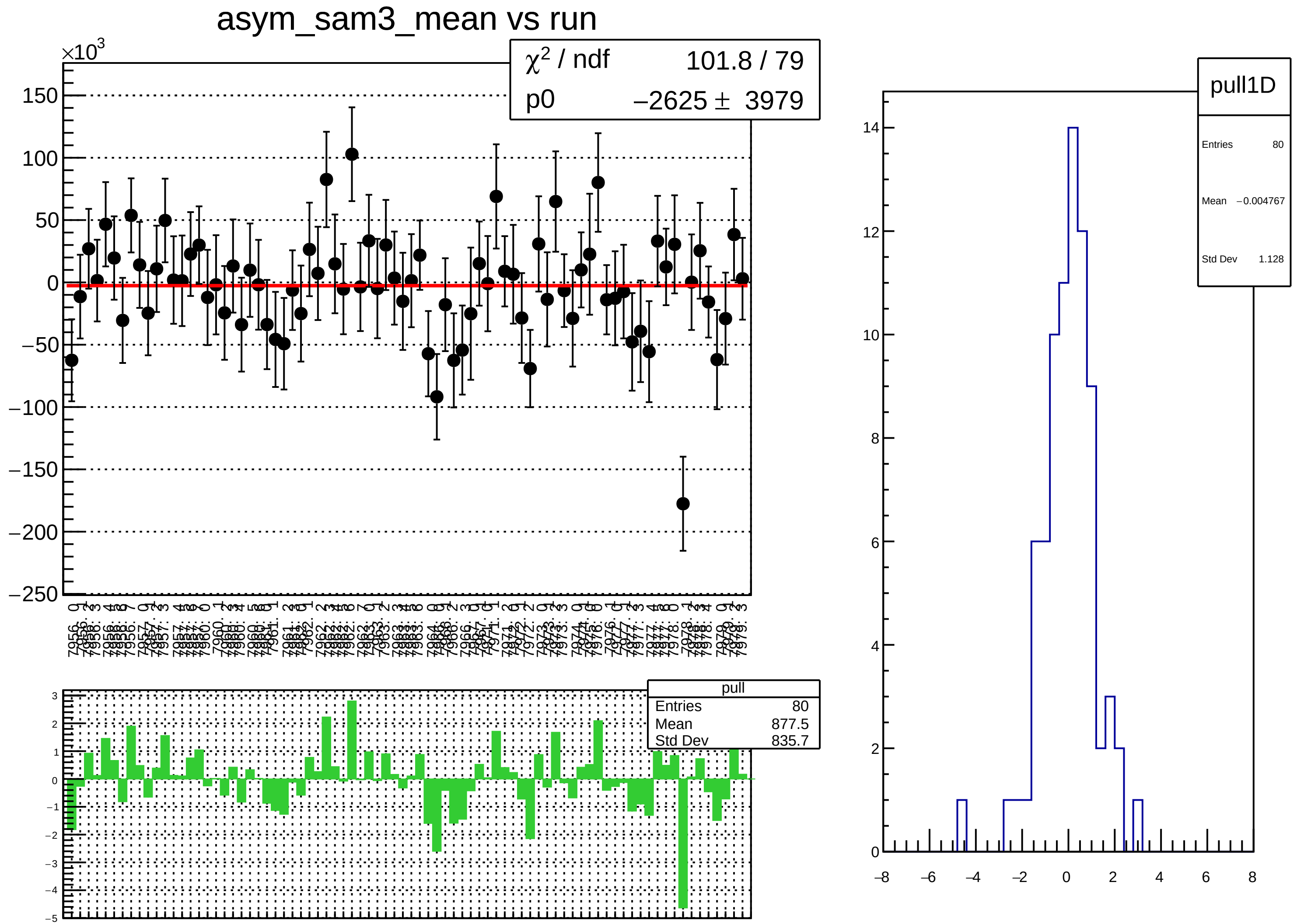

dit_asym_sam3_rms vs run
χ2 / ndf 3.357e+04 / 79
p0 436.5 ± 0.3497
1600
1400
1200
1000
800
600
400



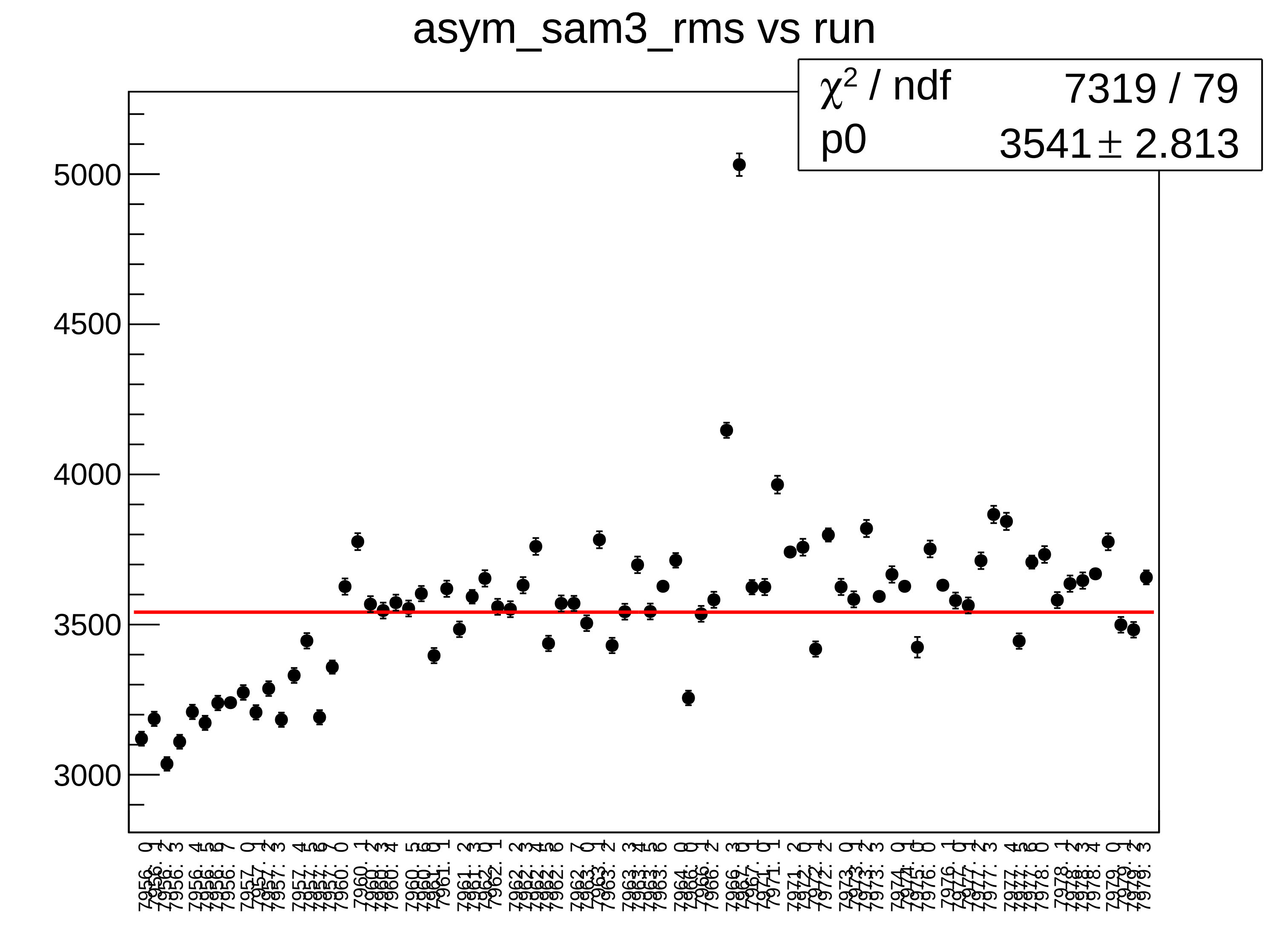
asym_sam3_correction_mean vs run
×10^3
χ^2 / ndf 101.1 / 79
p0 3114 ± 3996
pull
Entries 80
Mean −1597
Std Dev 1639
pull1D
Entries 80
Mean −0.002604
Std Dev 1.124

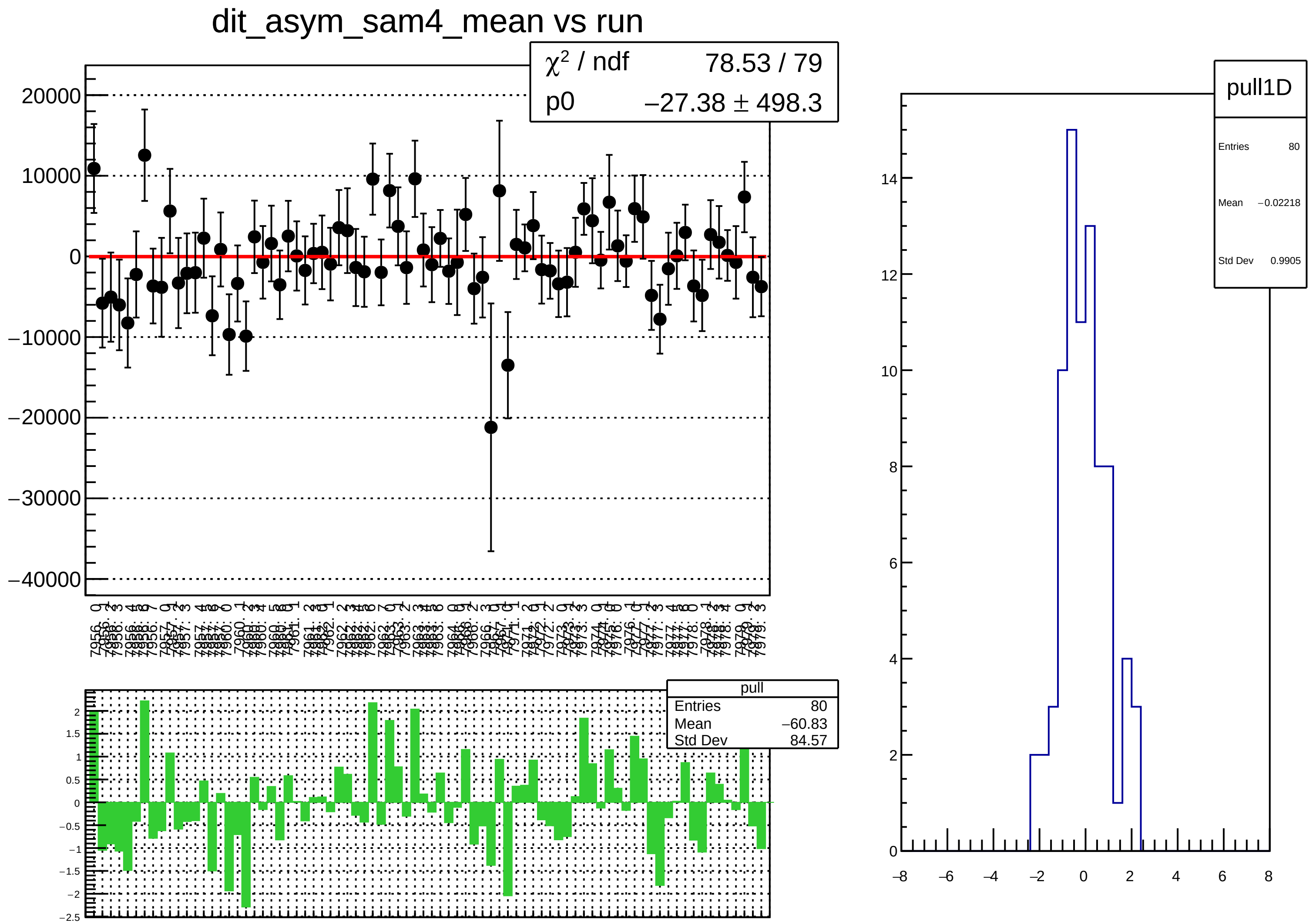


asym_sam3_correction_rms vs run
χ2 / ndf 2633 / 79
p0 3562 ± 2.826
4100
4000
3900
3800
3700
3600
3500
3400
3300
3200

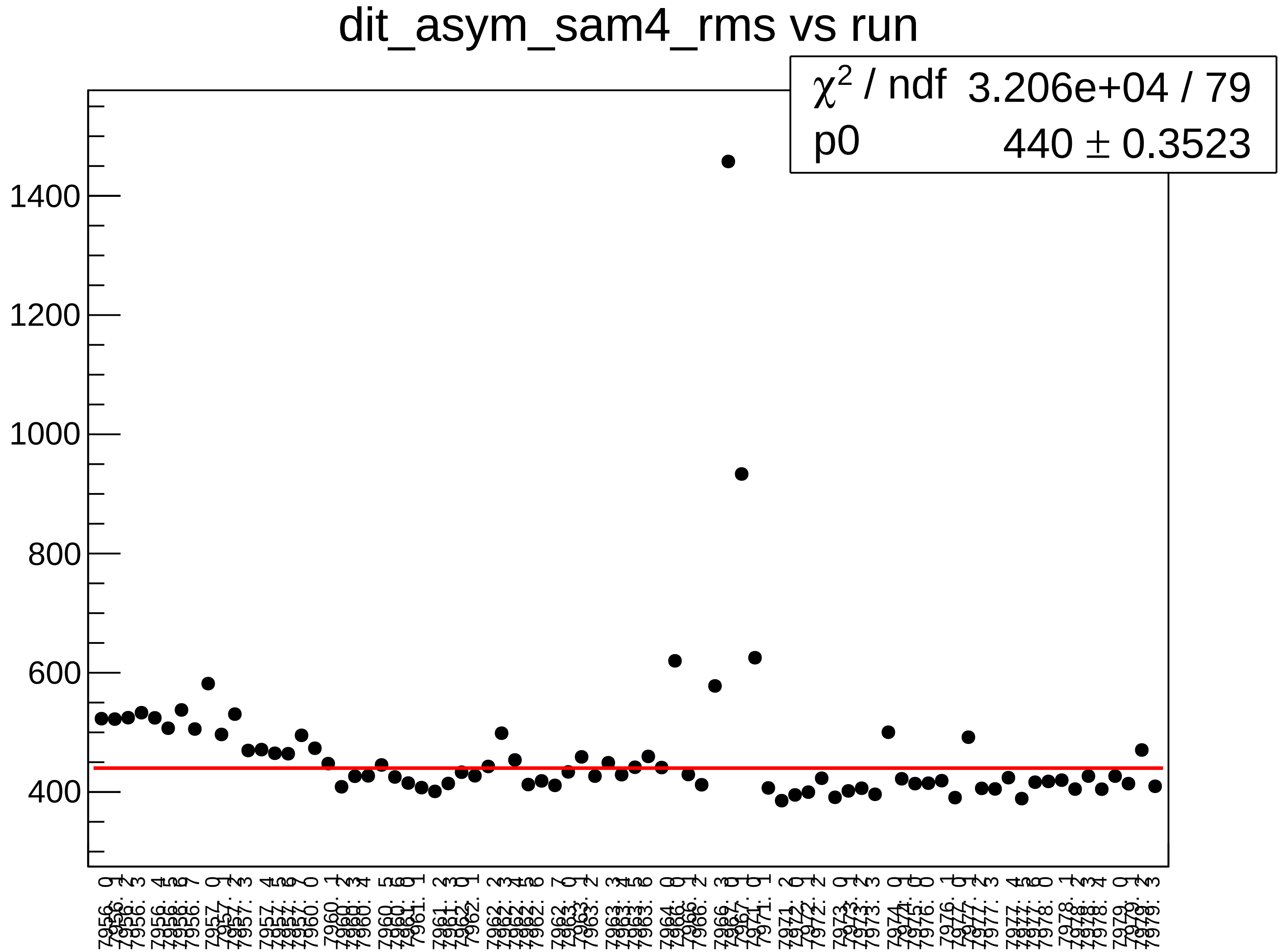


asym_sam3_mean vs run
$\times10^{3}$
χ^2 / ndf 101.8 / 79
p0 −2625 ± 3979
pull
Entries 80
Mean 877.5
Std Dev 835.7
pull1D
Entries 80
Mean −0.004767
Std Dev 1.128

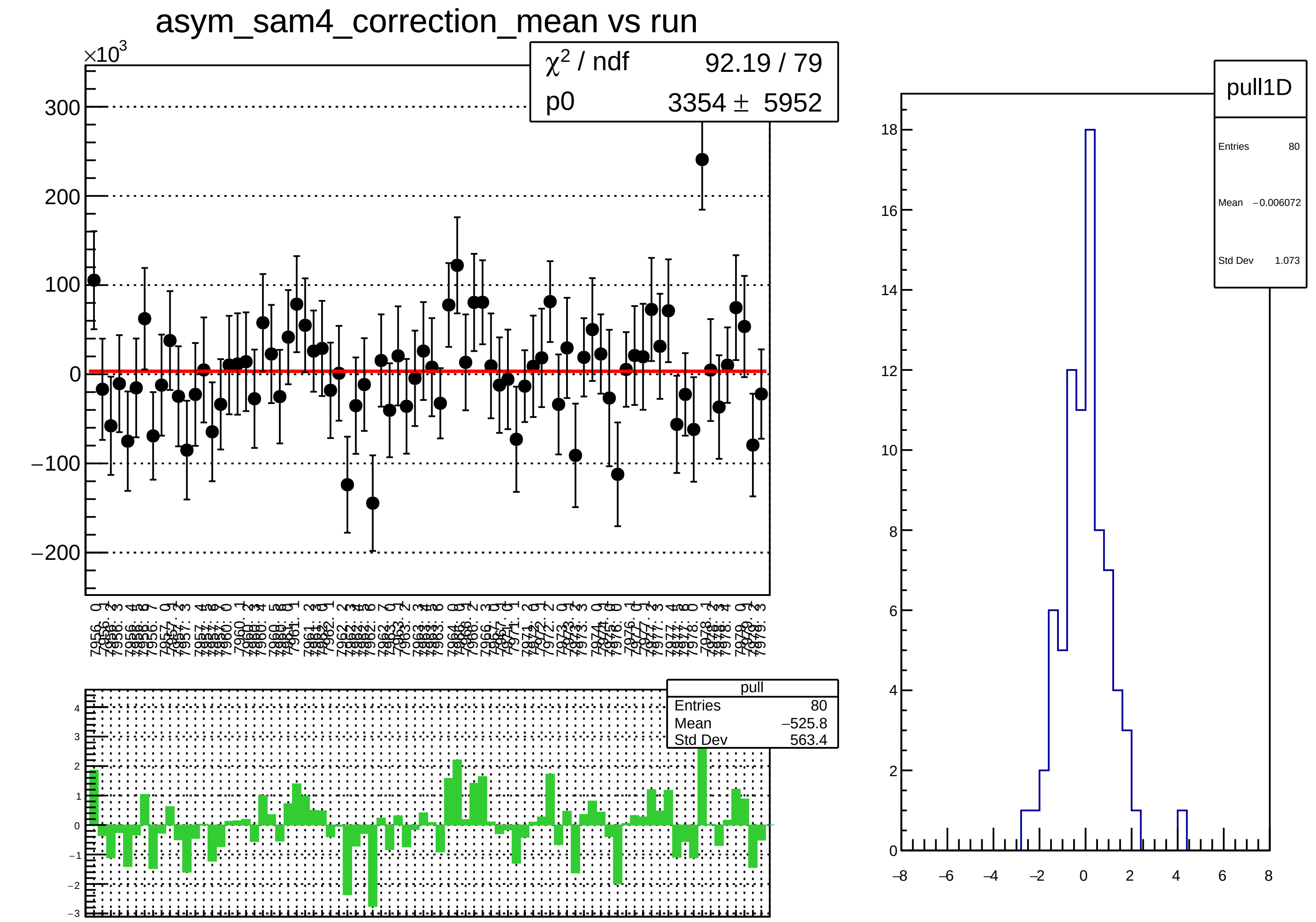

asym_sam3_rms vs run
χ^2 / ndf 7319 / 79
p0 3541 ± 2.813
5000
4500
4000
3500
3000

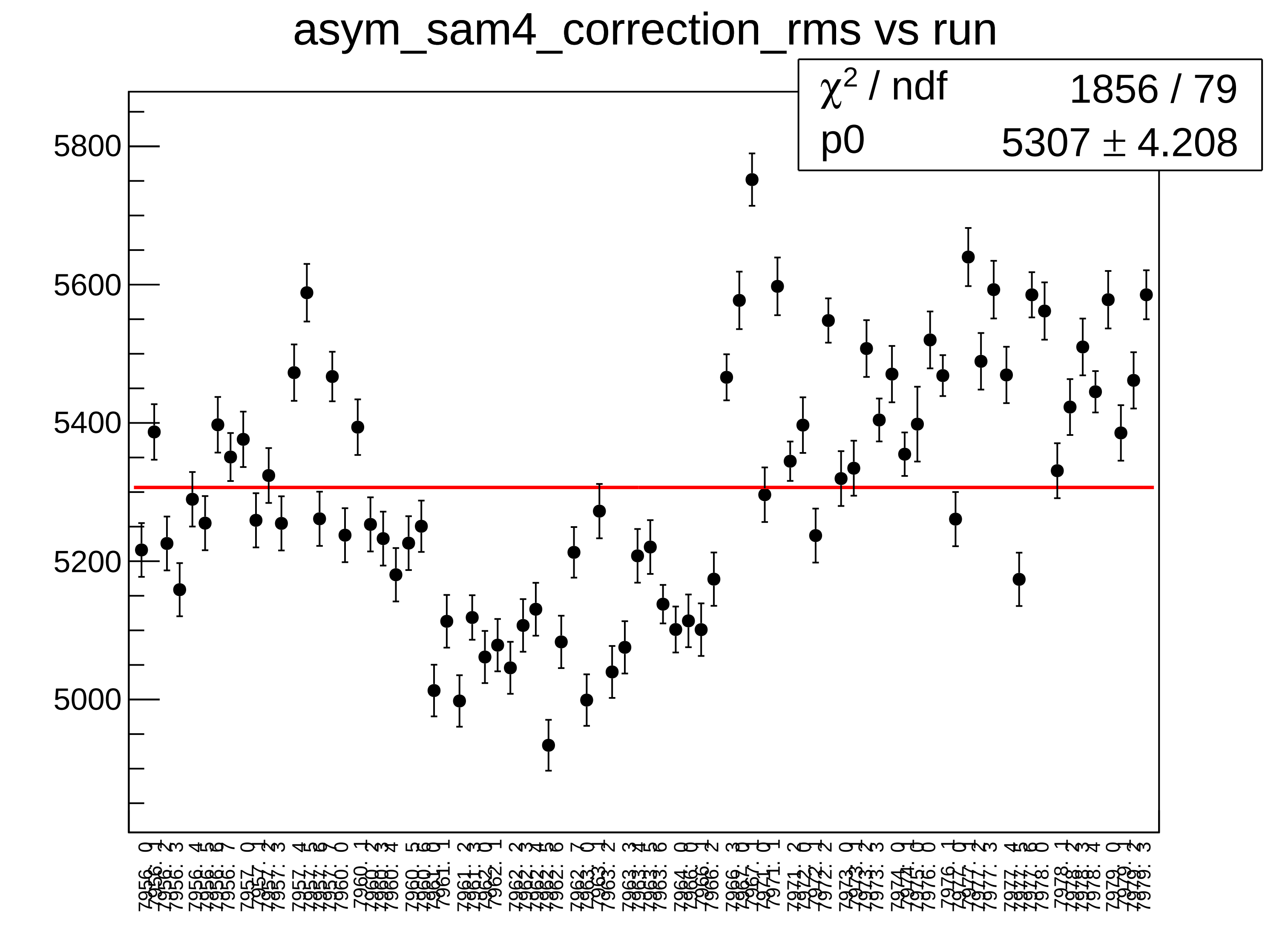


dit_asym_sam4_mean vs run
χ^2 / ndf 78.53 / 79
p0 −27.38 ± 498.3
pull
Entries 80
Mean −60.83
Std Dev 84.57
pull1D
Entries 80
Mean −0.02218
Std Dev 0.9905

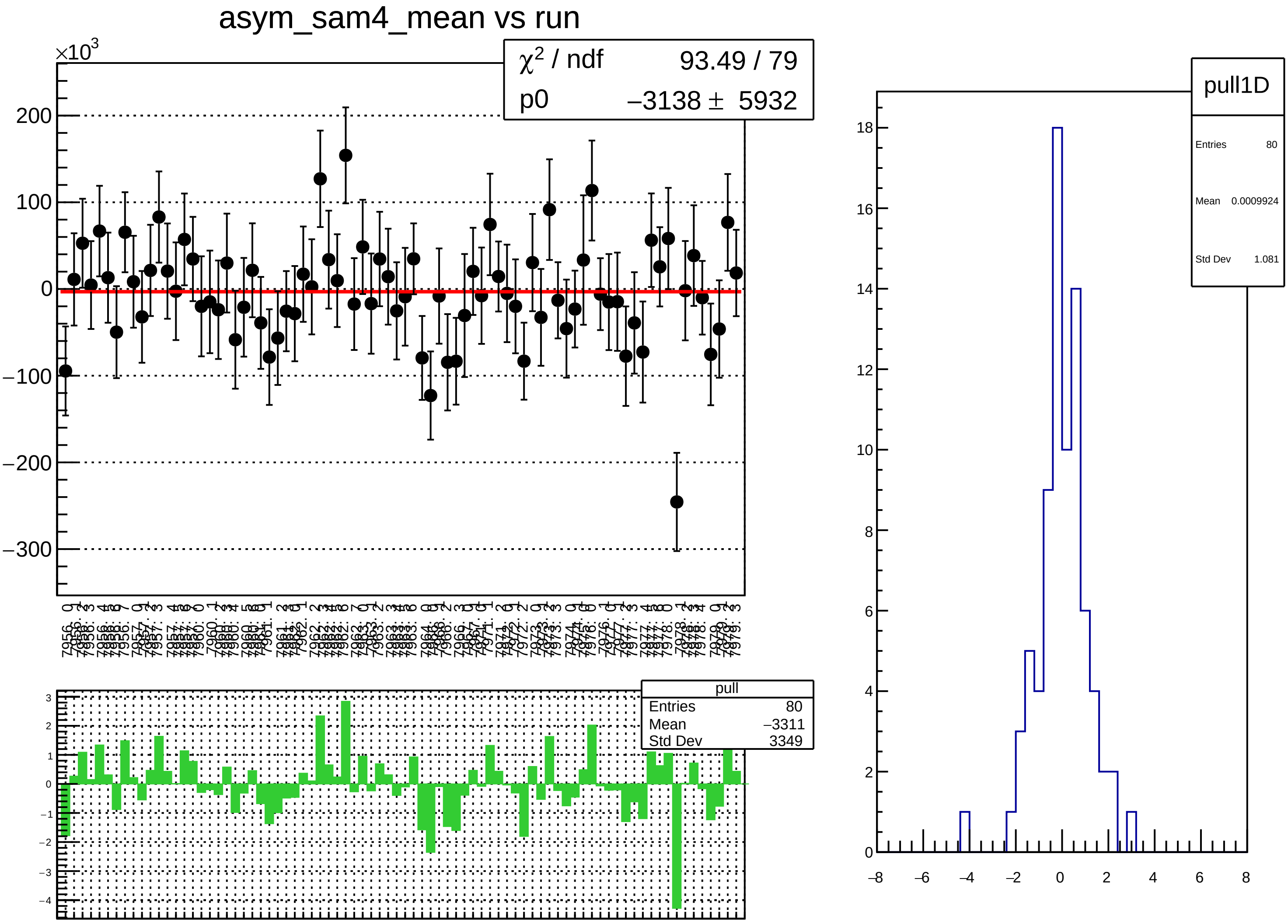


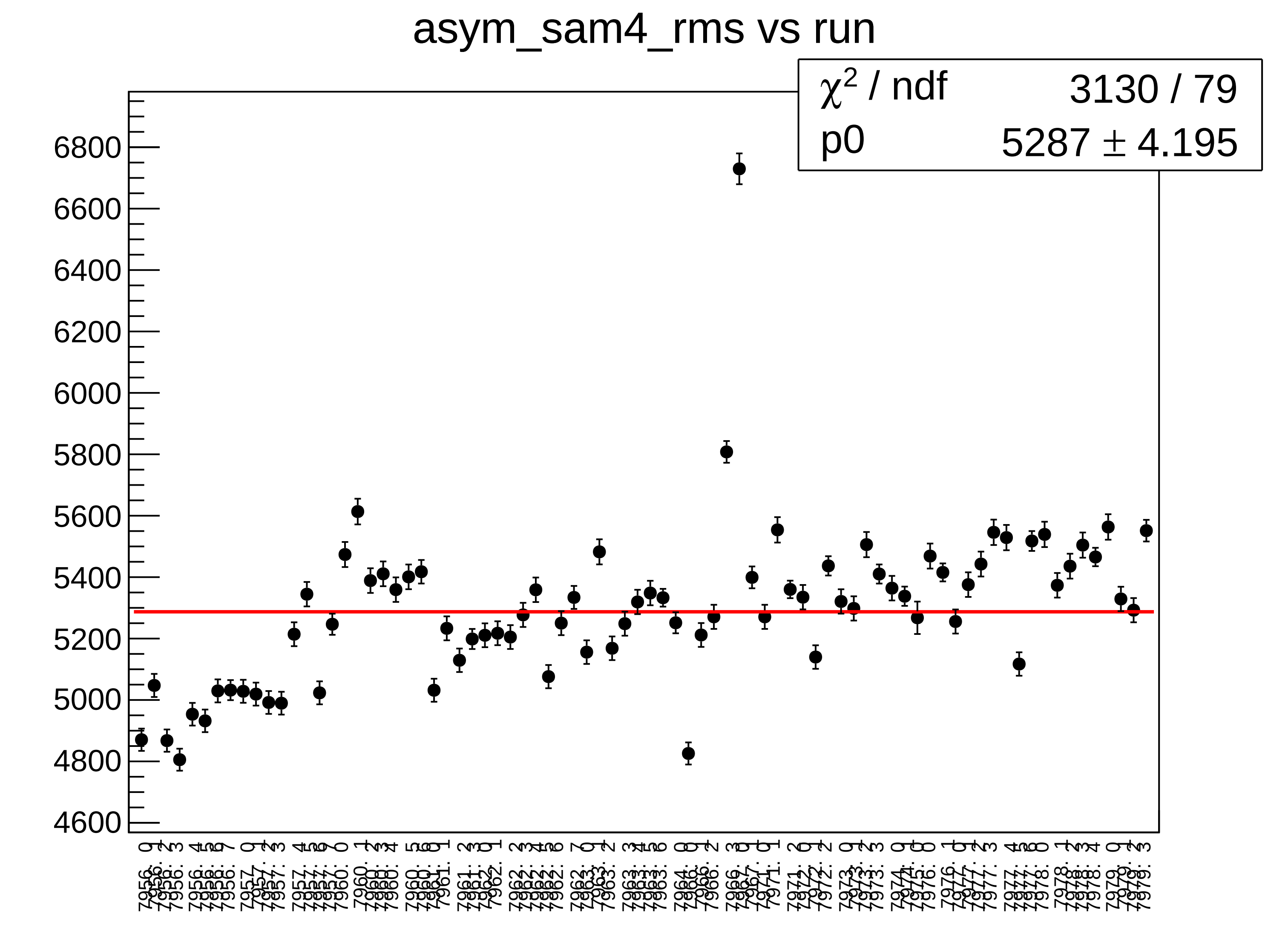
dit_asym_sam4_rms vs run
χ^2 / ndf 3.206e+04 / 79
p0 440 ± 0.3523
1400
1200
1000
800
600
400


asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 92.19 / 79
p0 3354 ± 5952
300
200
100
0
−100
−200
pull
Entries 80
Mean −525.8
Std Dev 563.4
4
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean −0.006072
Std Dev 1.073
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

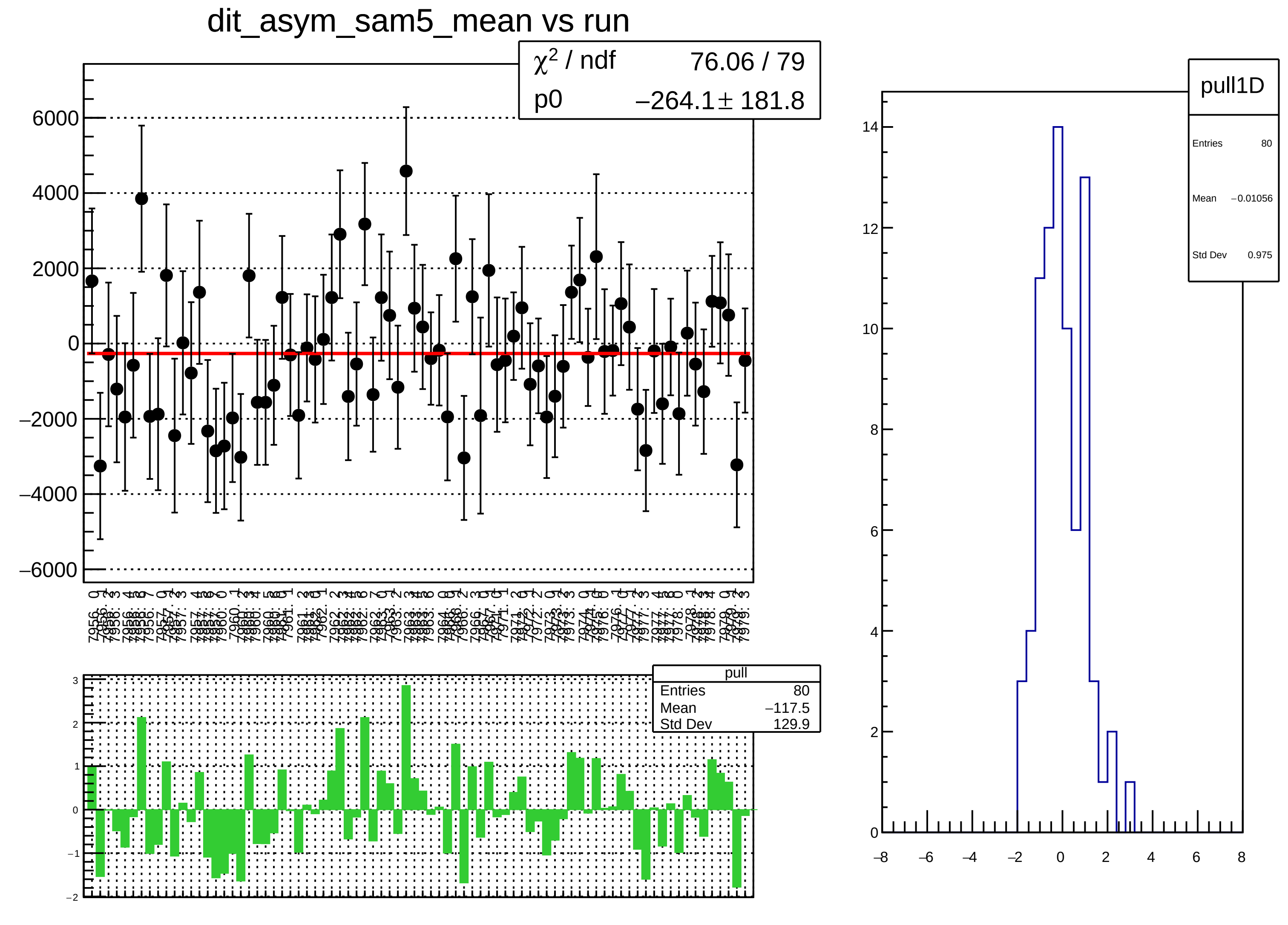


asym_sam4_correction_rms vs run
χ^2 / ndf 1856 / 79
p0 5307 ± 4.208
5800
5600
5400
5200
5000

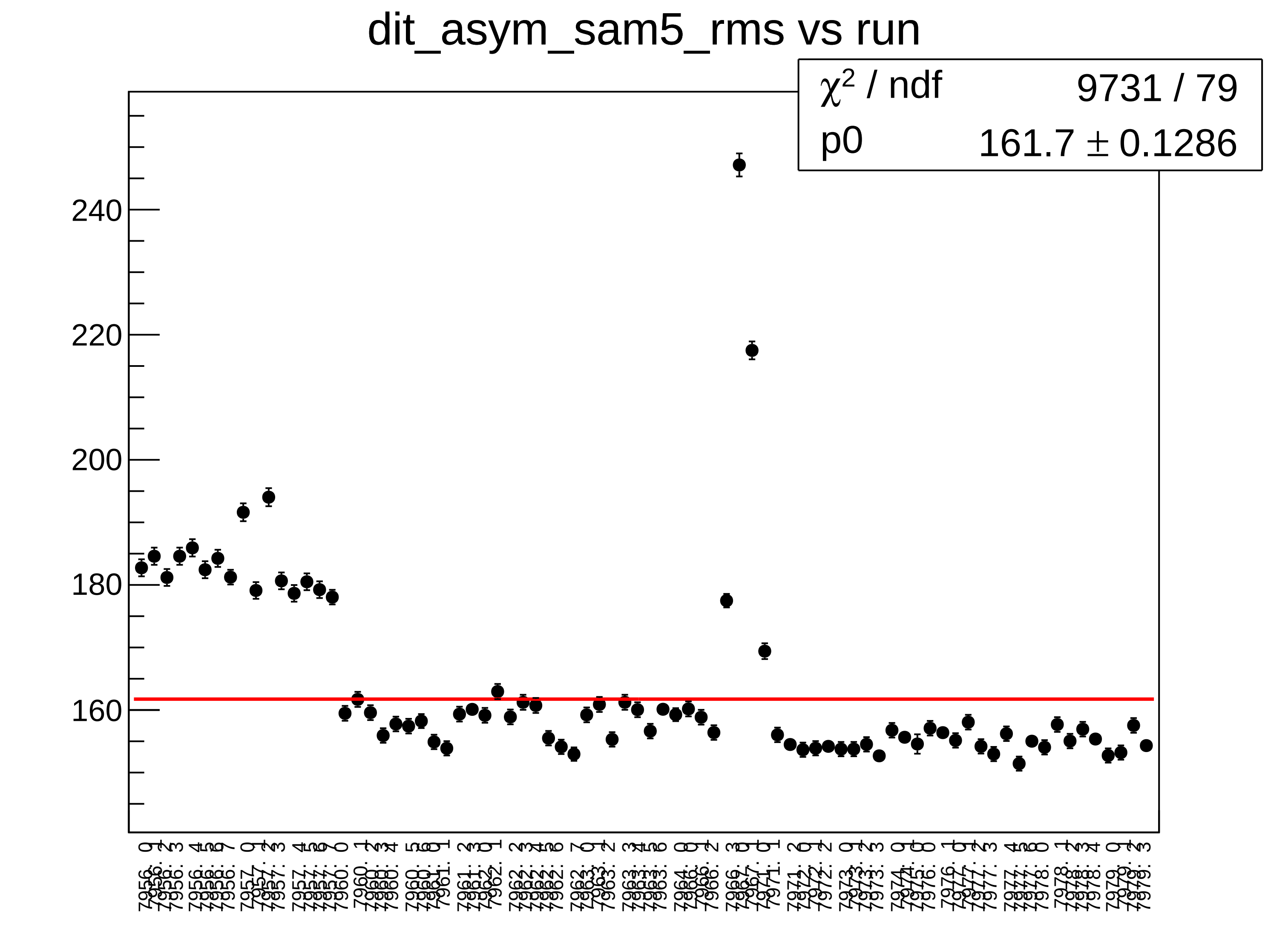

asym_sam4_mean vs run
χ^2 / ndf 93.49 / 79
p0 −3138 ± 5932
pull
Entries 80
Mean −3311
Std Dev 3349
pull1D
Entries 80
Mean 0.0009924
Std Dev 1.081



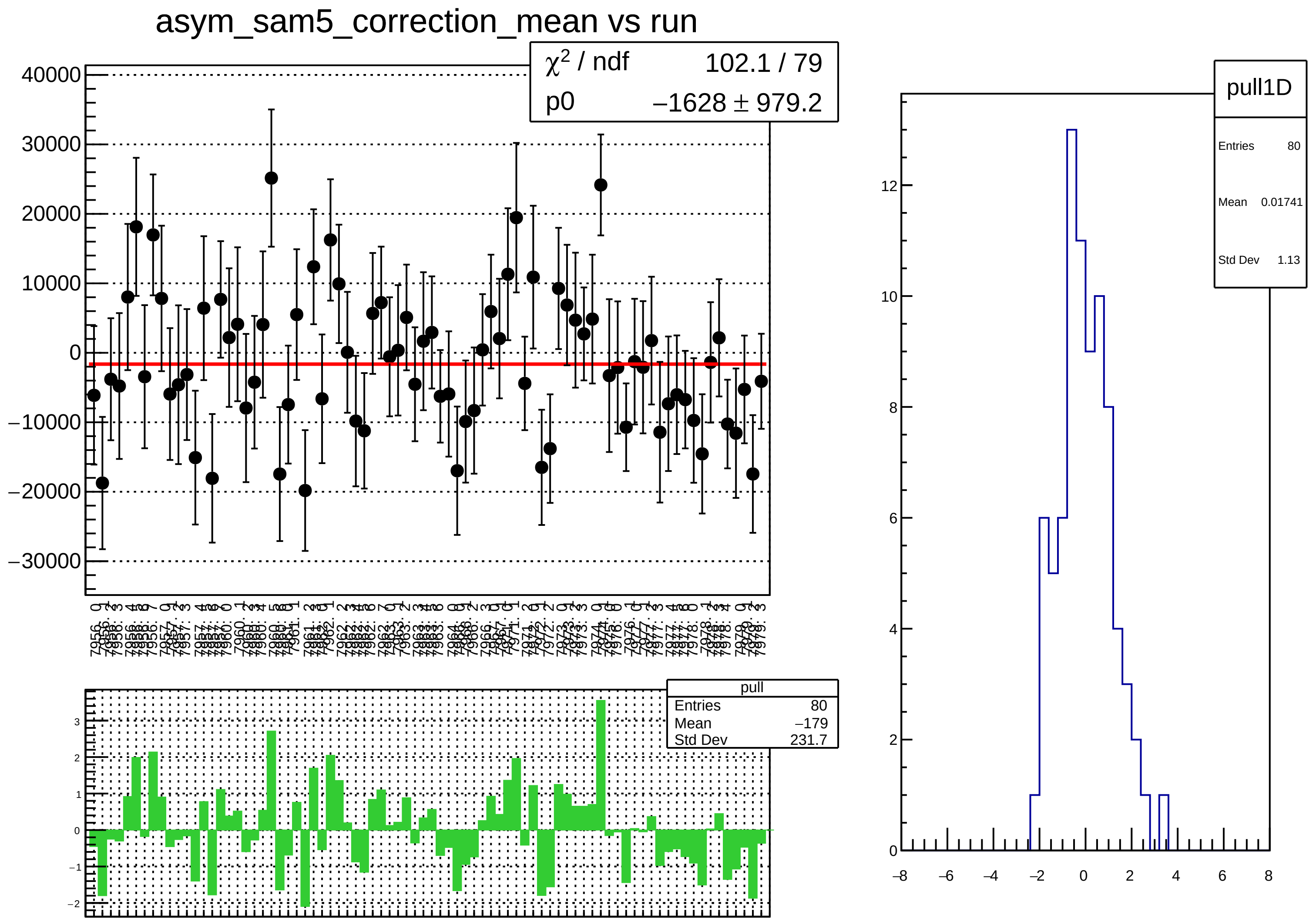
asym_sam4_rms vs run
χ^2 / ndf 3130 / 79
p0 5287 ± 4.195
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

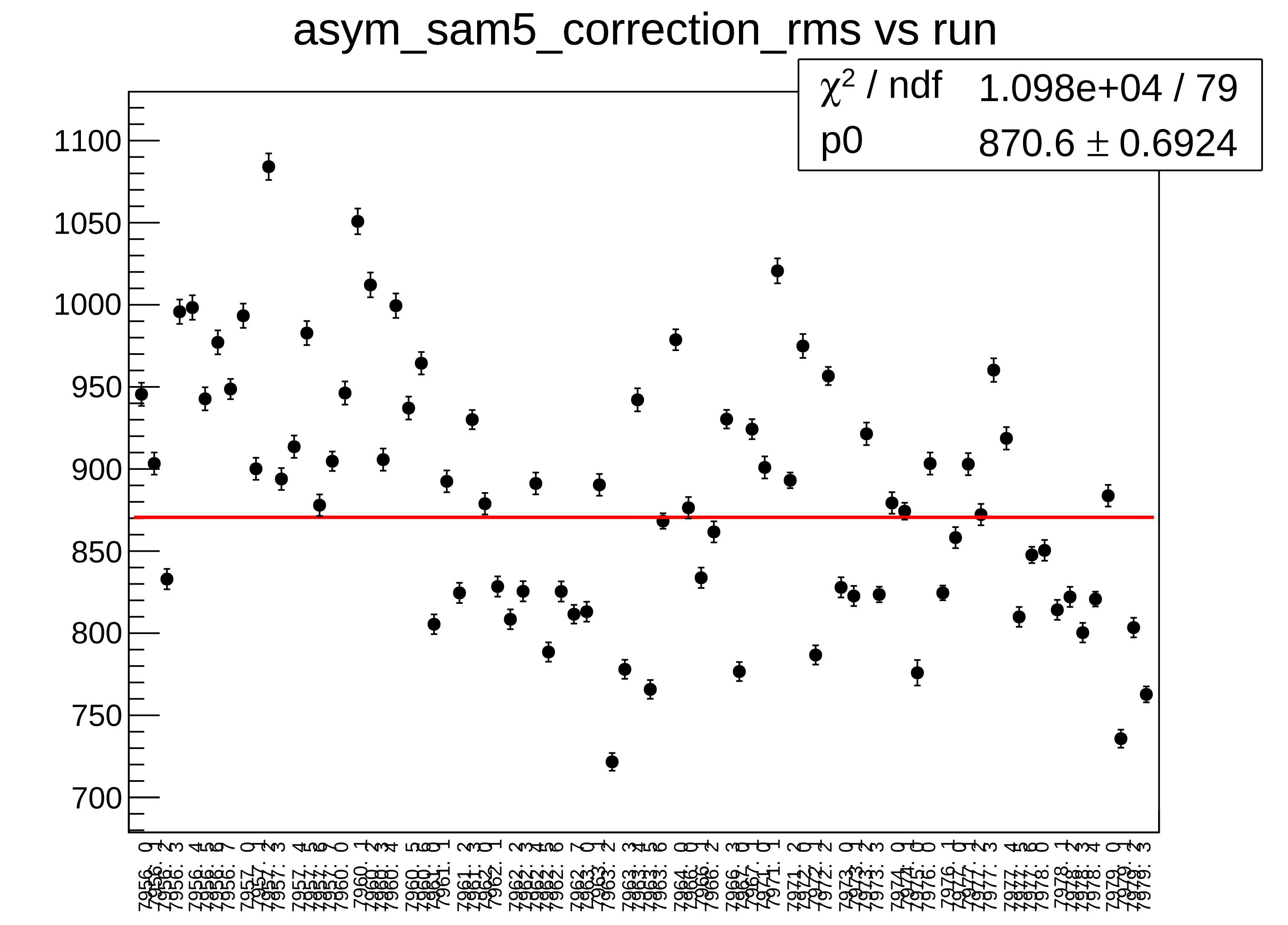


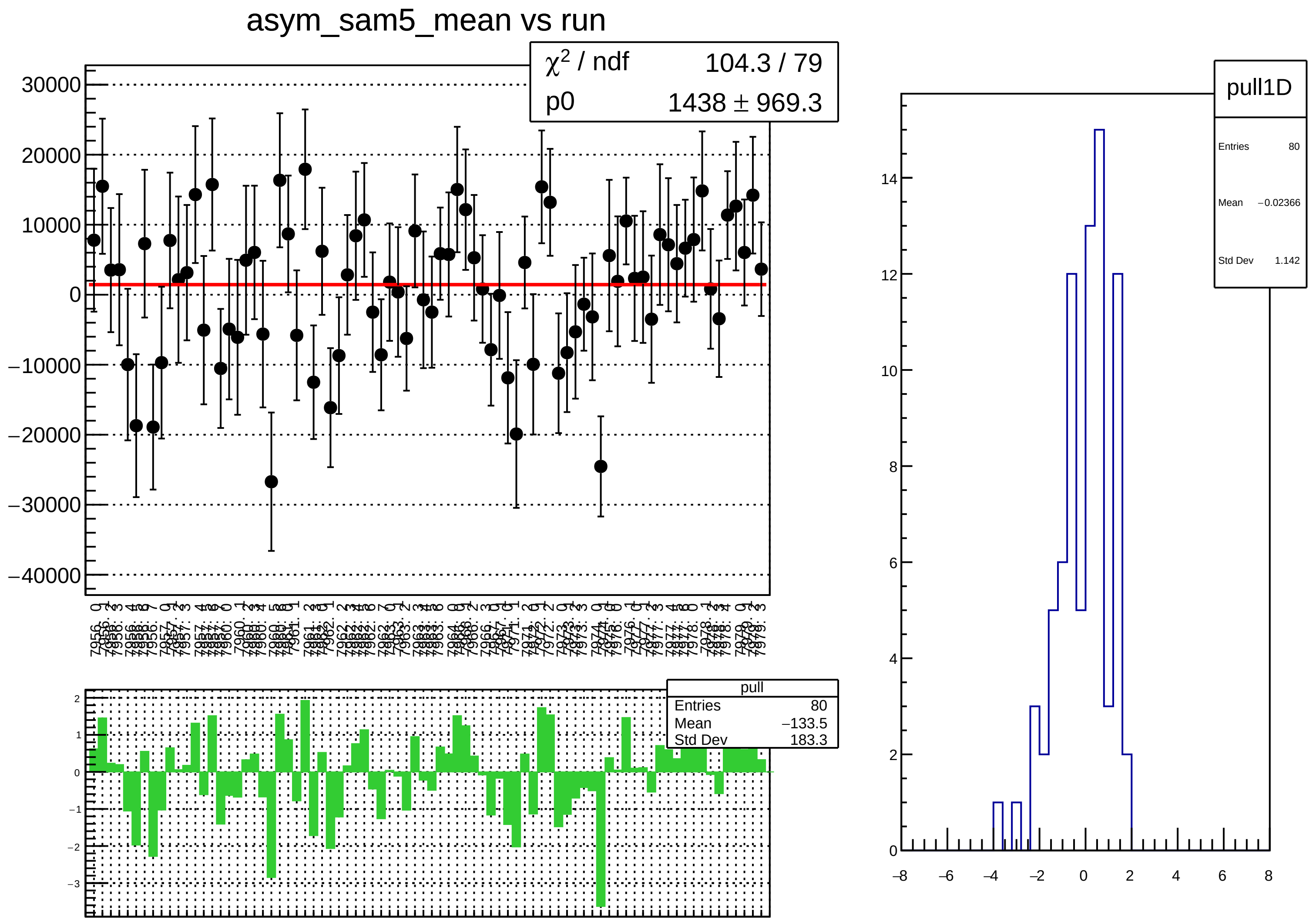
dit_asym_sam5_mean vs run
χ^2 / ndf 76.06 / 79
p0 −264.1 ± 181.8
pull
Entries 80
Mean −117.5
Std Dev 129.9
pull1D
Entries 80
Mean −0.01056
Std Dev 0.975

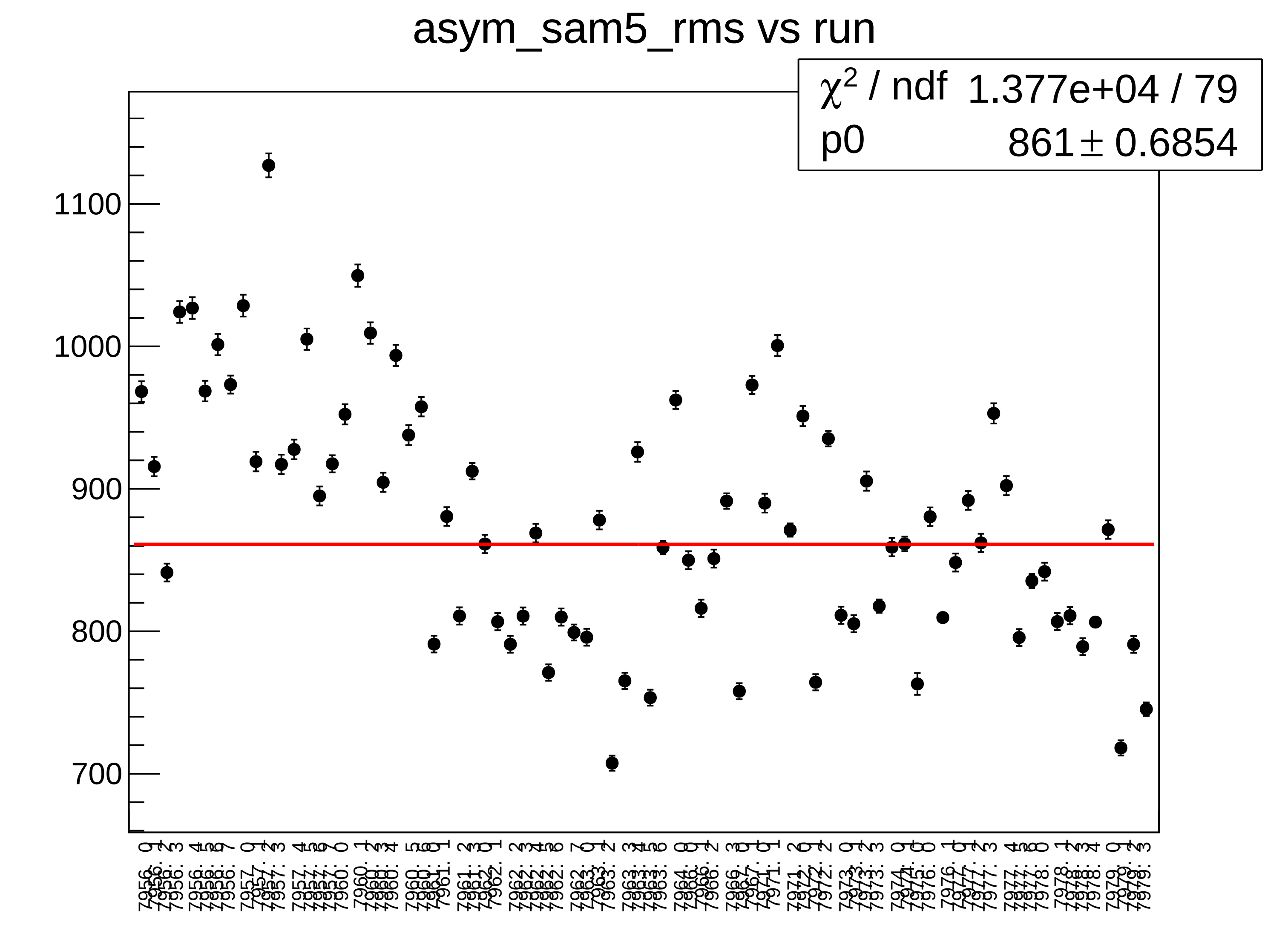


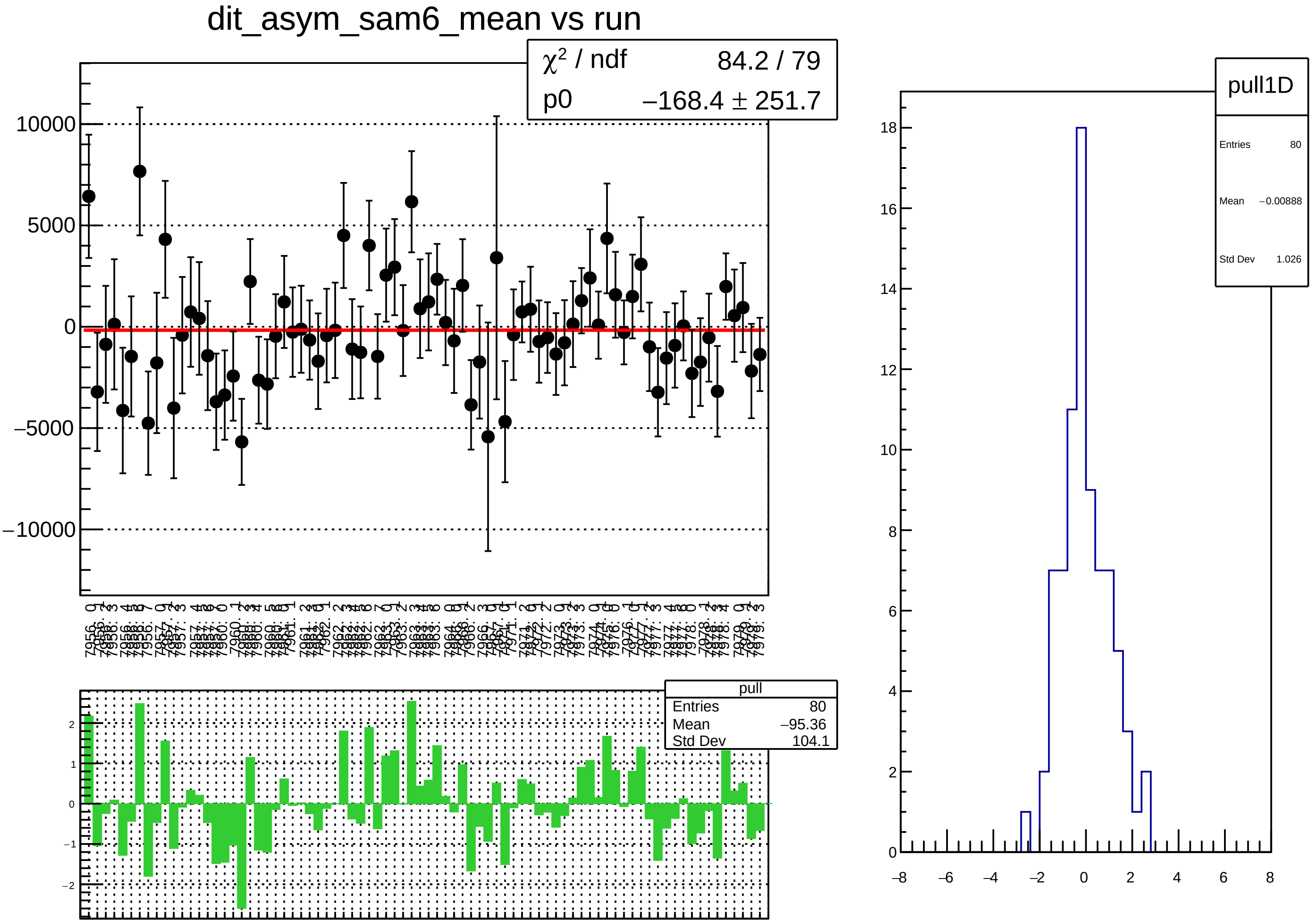
dit_asym_sam5_rms vs run
χ^2 / ndf 9731 / 79
p0 161.7 ± 0.1286
240
220
200
180
160


asym_sam5_correction_mean vs run
χ2 / ndf 102.1 / 79
p0 −1628 ± 979.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean −179
Std Dev 231.7
3
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.01741
Std Dev 1.13
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

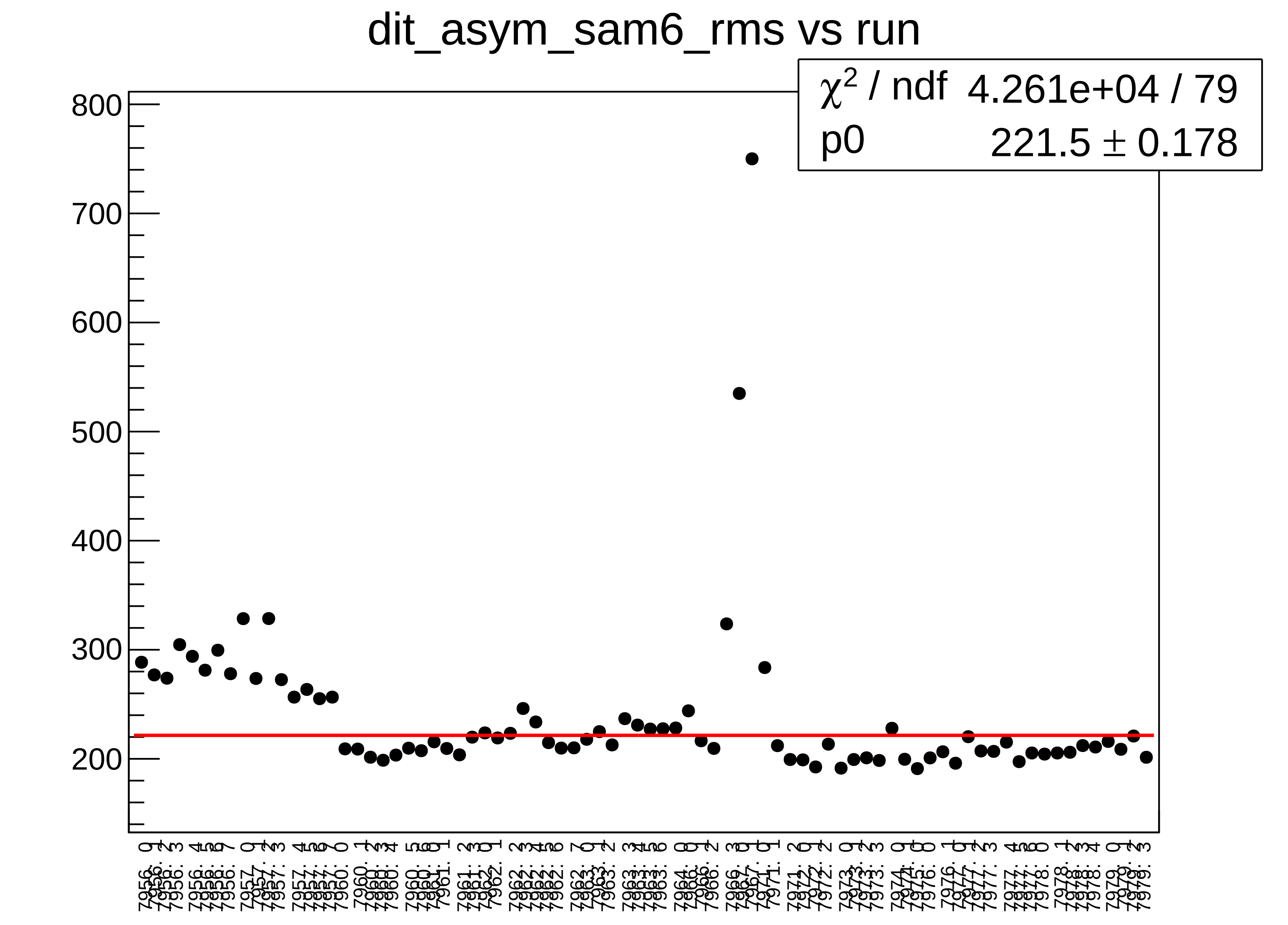

asym_sam5_correction_rms vs run
χ^2 / ndf 1.098e+04 / 79
p0 870.6 ± 0.6924
1100
1050
1000
950
900
850
800
750
700


asym_sam5_mean vs run
χ^2 / ndf 104.3 / 79
p0 1438 ± 969.3
pull
Entries 80
Mean −133.5
Std Dev 183.3
pull1D
Entries 80
Mean −0.02366
Std Dev 1.142

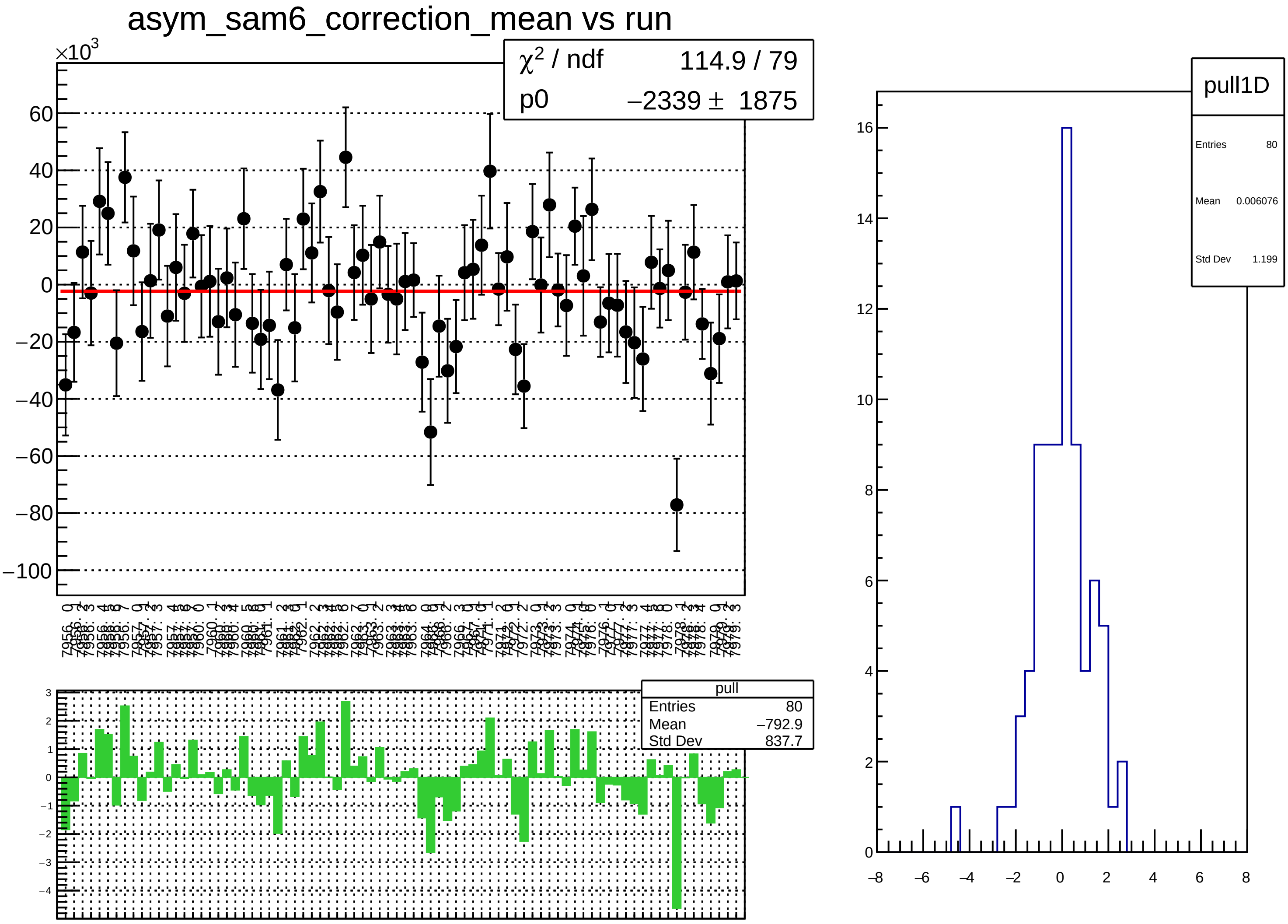

asym_sam5_rms vs run
χ2 / ndf 1.377e+04 / 79
p0 861 ± 0.6854
1100
1000
900
800
700



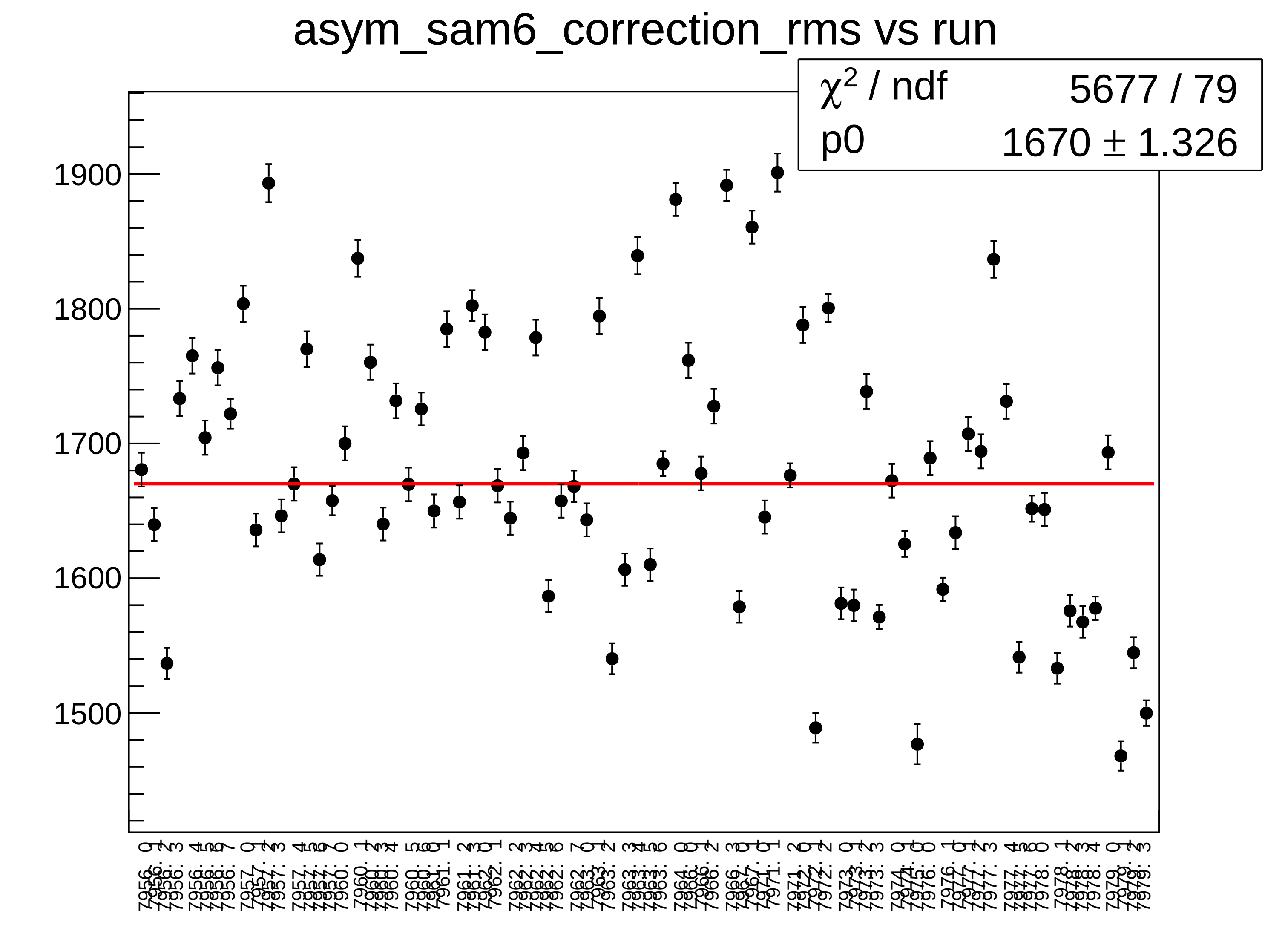
dit_asym_sam6_mean vs run
χ^2 / ndf 84.2 / 79
p0 −168.4 ± 251.7
pull
Entries 80
Mean −95.36
Std Dev 104.1
pull1D
Entries 80
Mean −0.00888
Std Dev 1.026

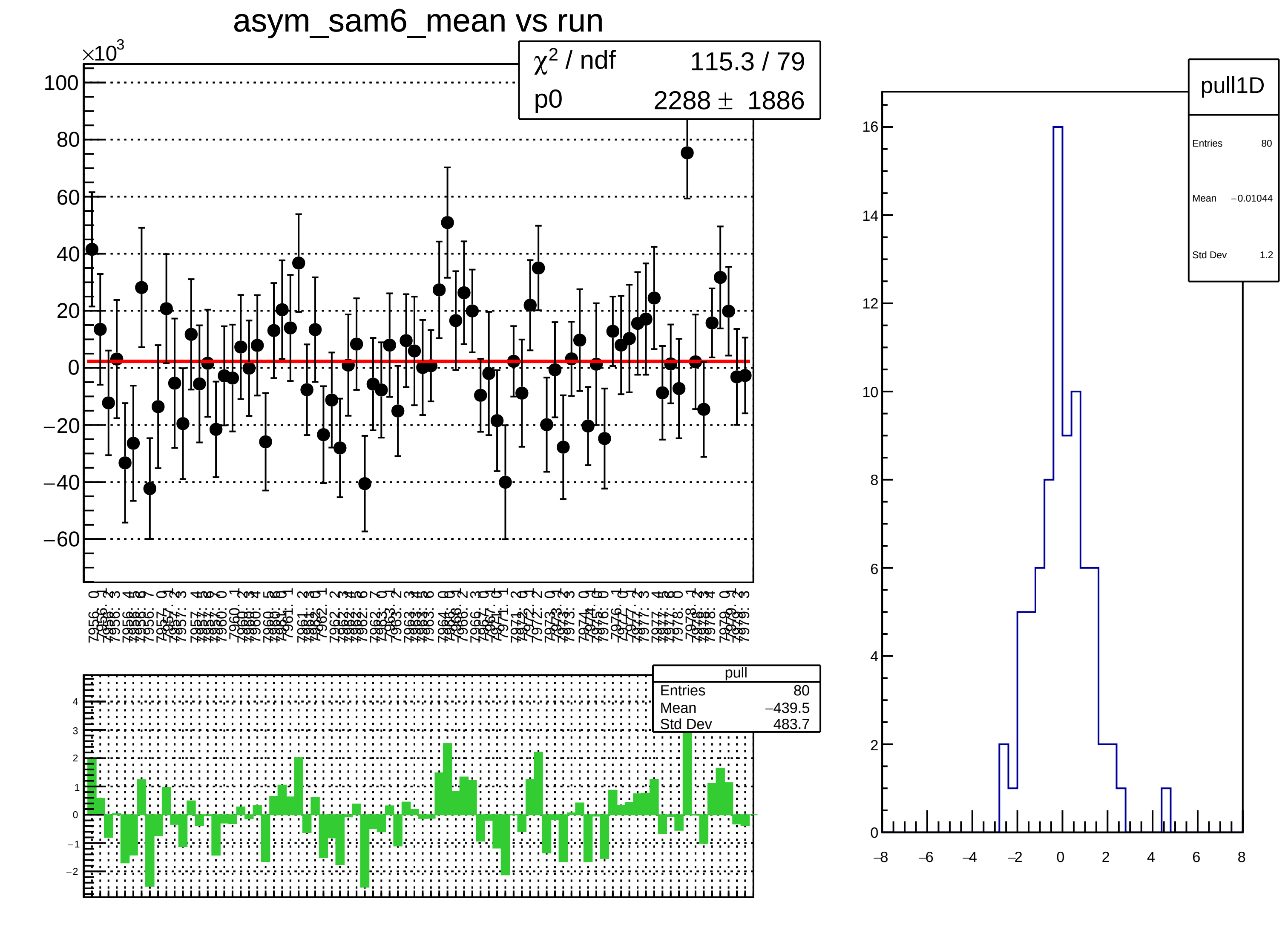


dit_asym_sam6_rms vs run
χ2 / ndf 4.261e+04 / 79
p0 221.5 ± 0.178
800
700
600
500
400
300
200

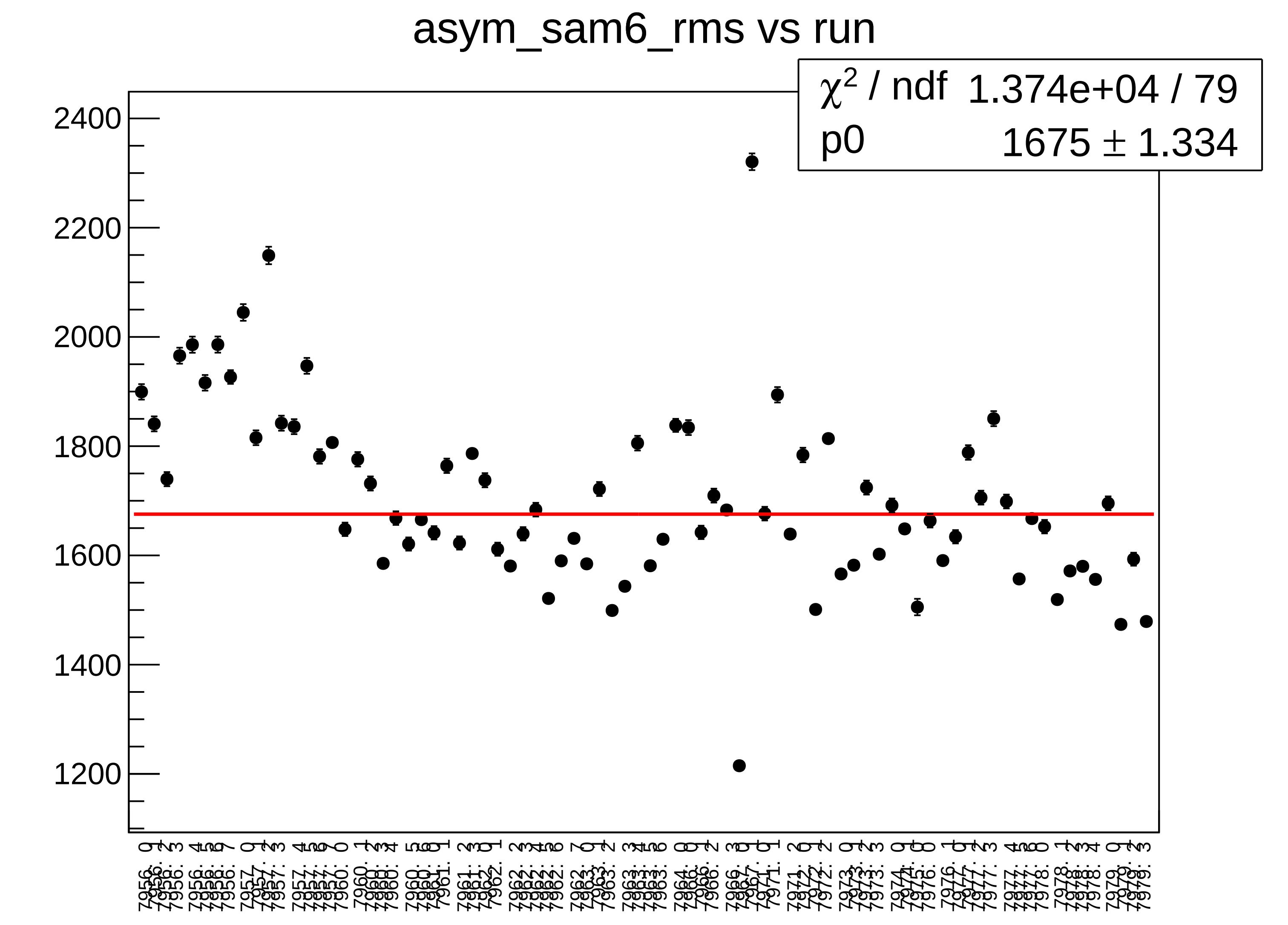


asym_sam6_correction_mean vs run
×10^3
χ2 / ndf 114.9 / 79
p0 −2339 ± 1875
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 80
Mean −792.9
Std Dev 837.7
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 80
Mean 0.006076
Std Dev 1.199
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

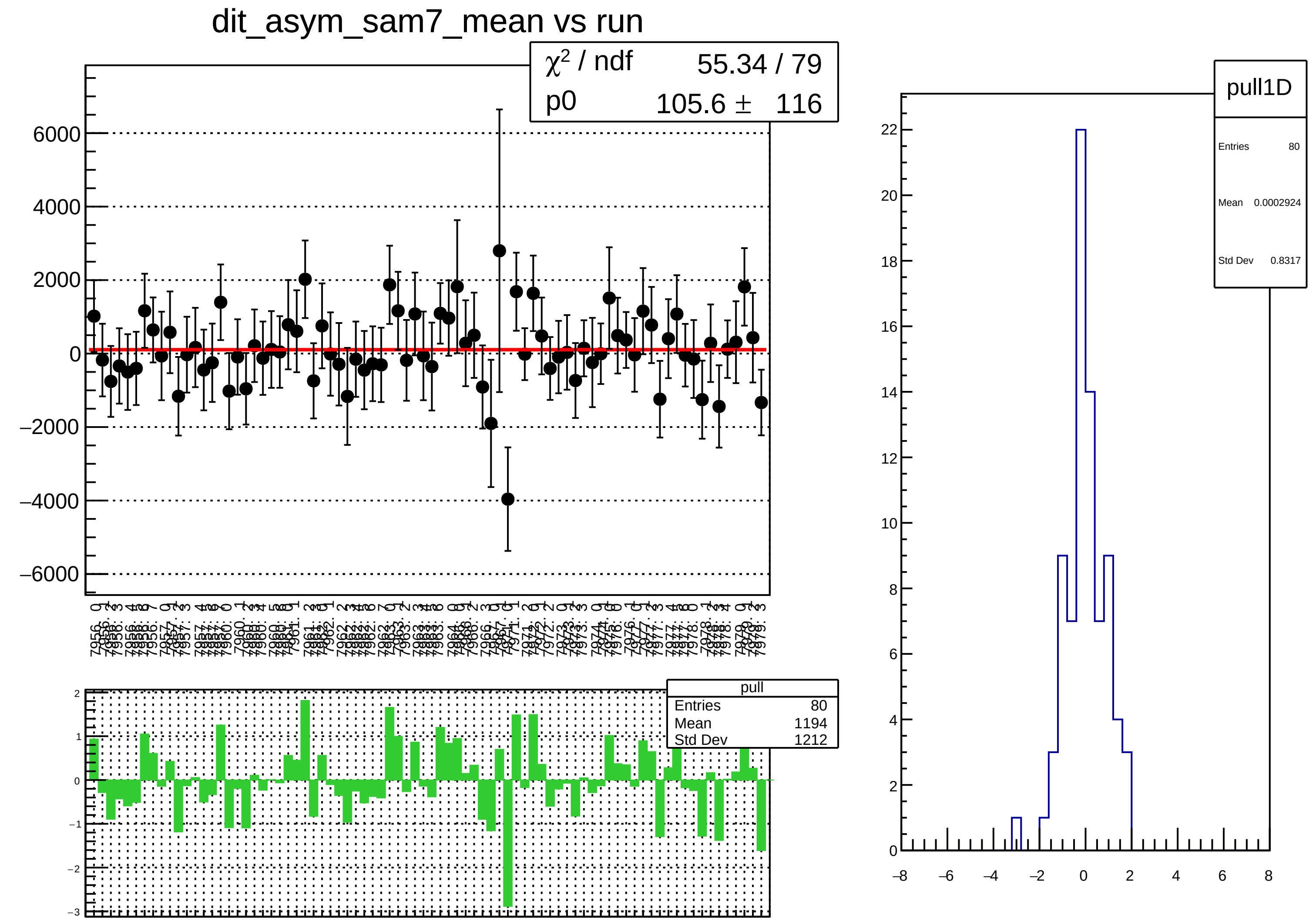

asym_sam6_correction_rms vs run
χ² / ndf 5677 / 79
p0 1670 ± 1.326
1900
1800
1700
1600
1500



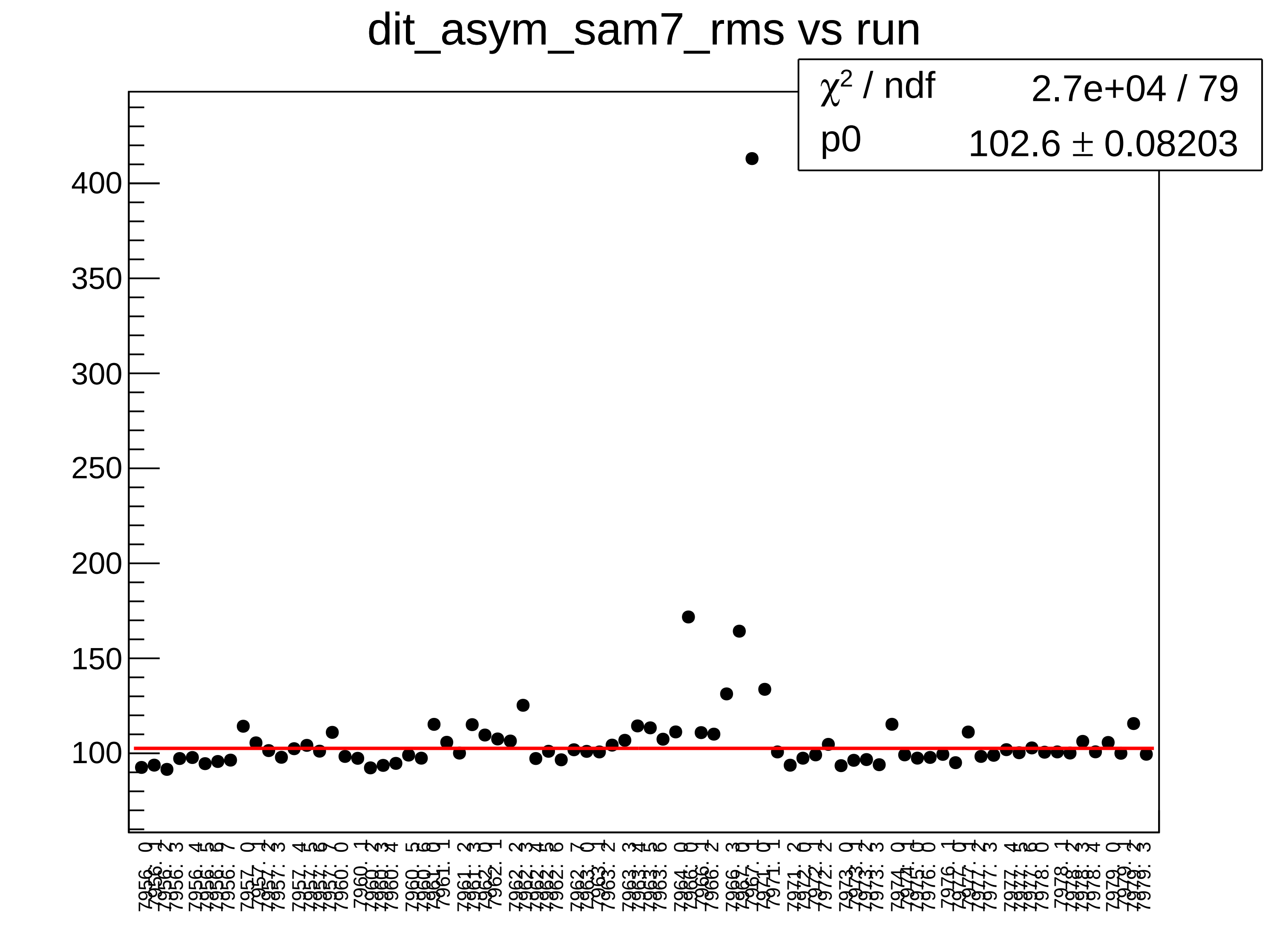
asym_sam6_mean vs run
$\times10^3$
χ^2 / ndf 115.3 / 79
p0 2288 ± 1886
pull
Entries 80
Mean −439.5
Std Dev 483.7
pull1D
Entries 80
Mean −0.01044
Std Dev 1.2



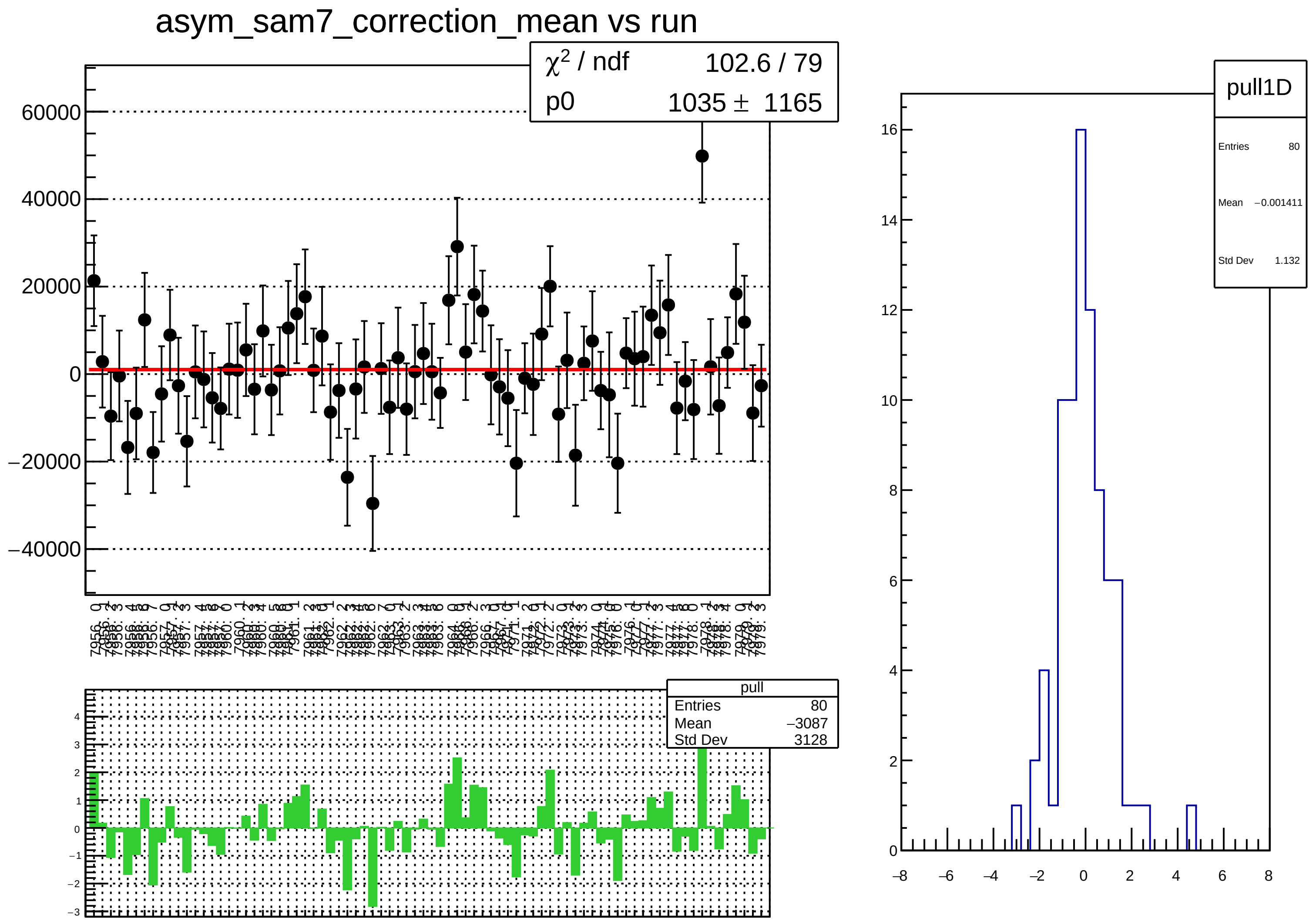
asym_sam6_rms vs run
χ^2 / ndf 1.374e+04 / 79
p0 1675 ± 1.334
2400
2200
2000
1800
1600
1400
1200



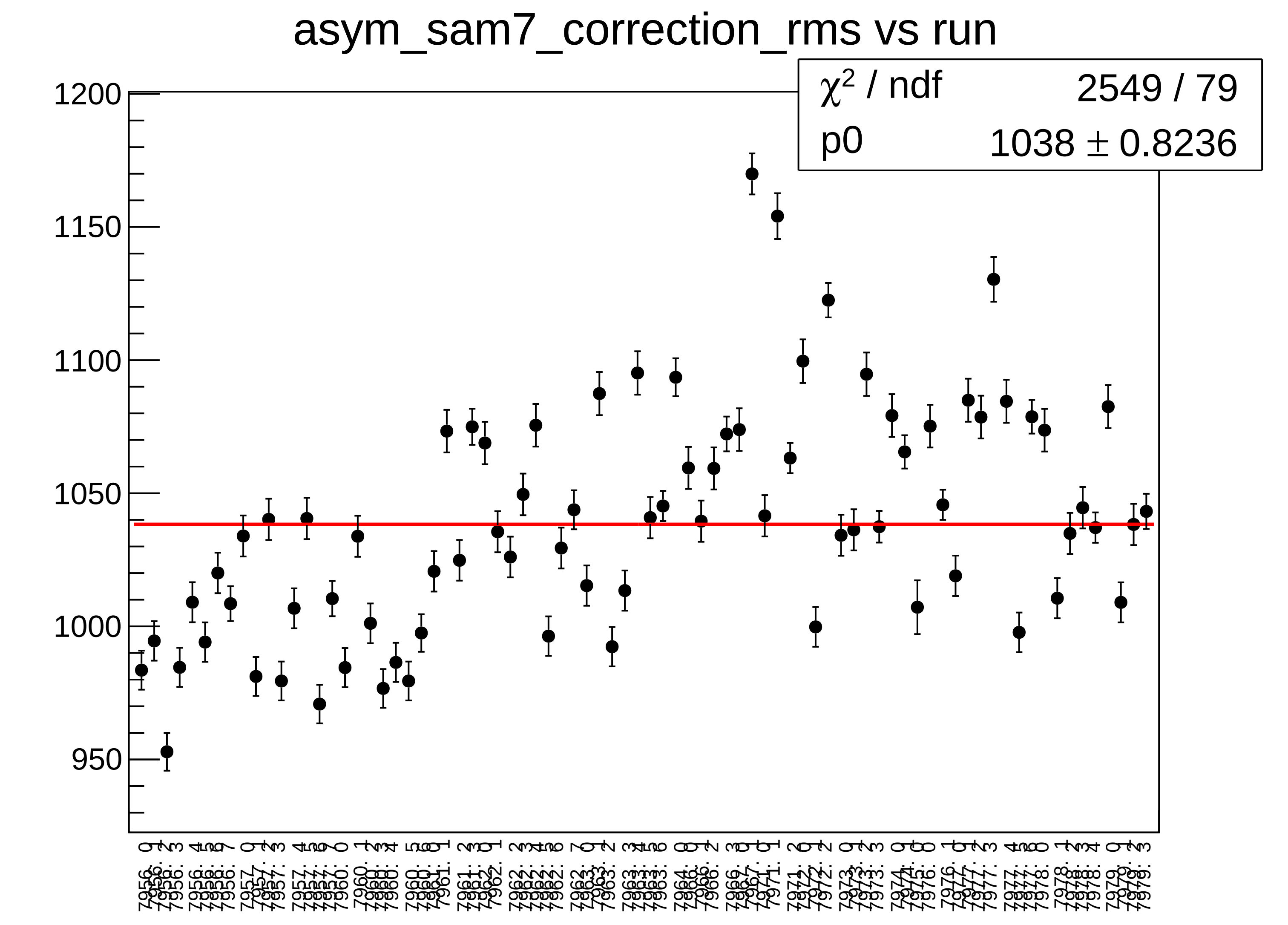
dit_asym_sam7_mean vs run
χ^2 / ndf 55.34 / 79
p0 105.6 ± 116
pull
Entries 80
Mean 1194
Std Dev 1212
pull1D
Entries 80
Mean 0.0002924
Std Dev 0.8317



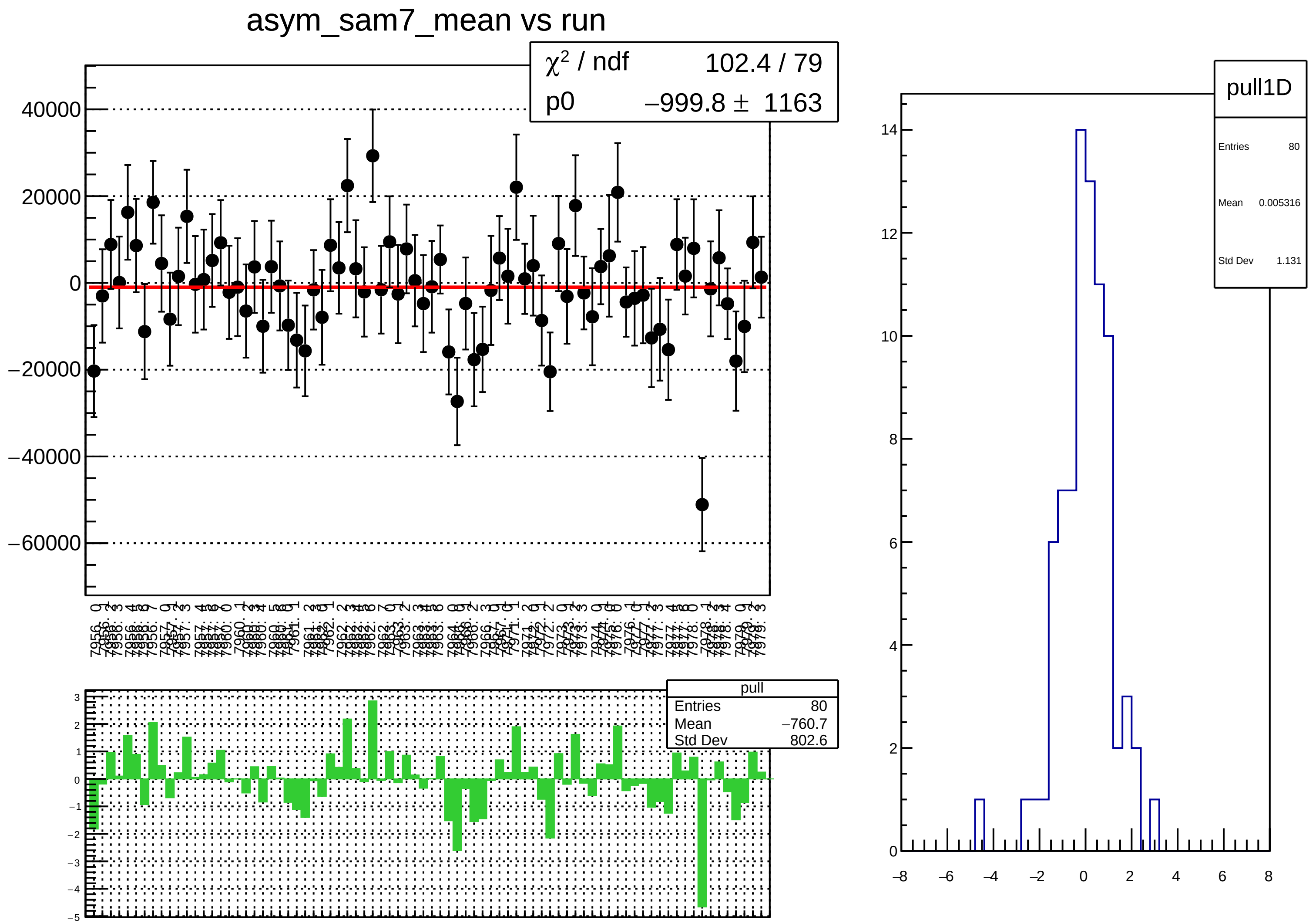
dit_asym_sam7_rms vs run
χ^2 / ndf 2.7e+04 / 79
p0 102.6 ± 0.08203
400
350
300
250
200
150
100

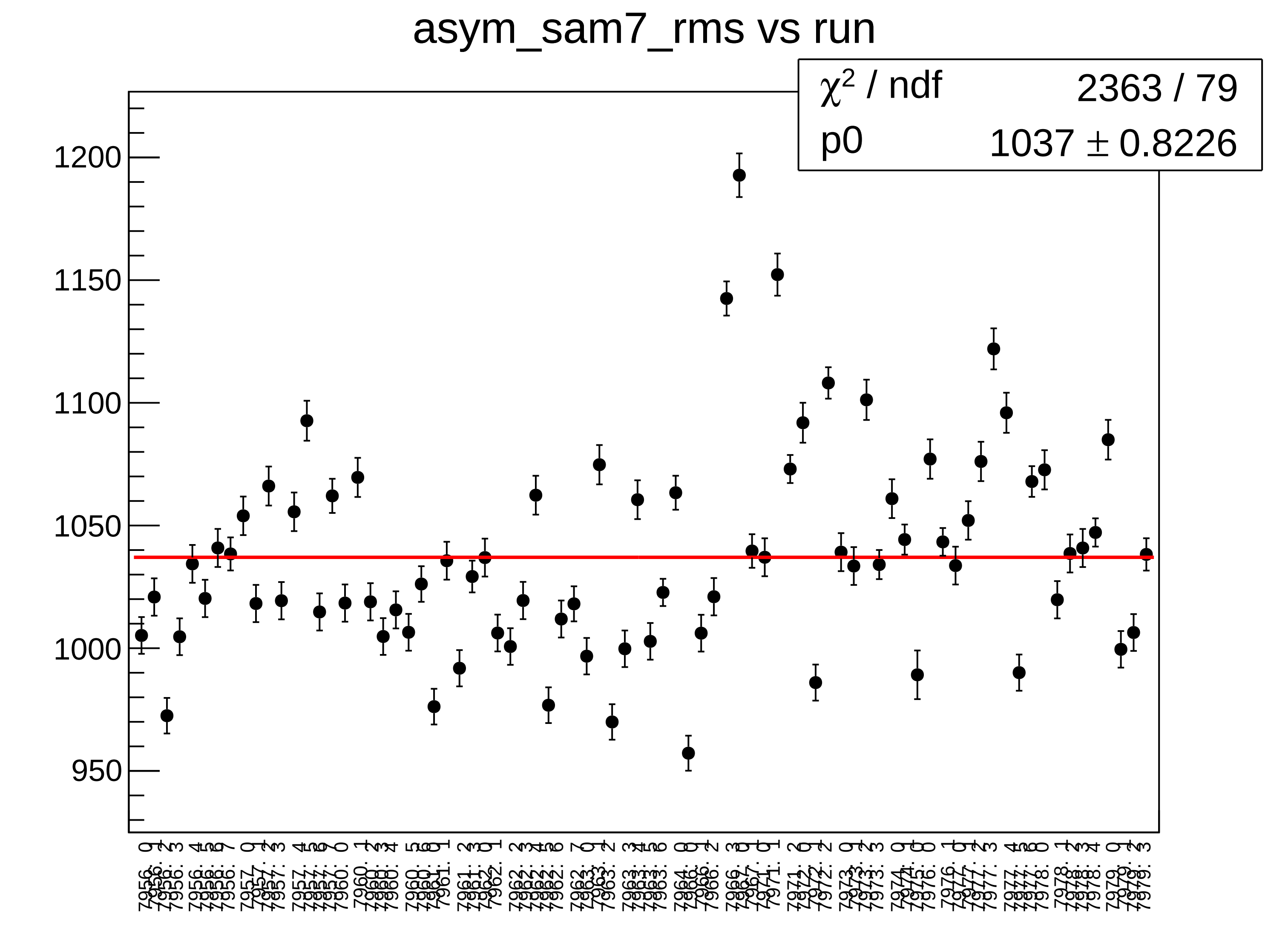


asym_sam7_correction_mean vs run
χ² / ndf 102.6 / 79
p0 1035 ± 1165
pull
Entries 80
Mean −3087
Std Dev 3128
pull1D
Entries 80
Mean −0.001411
Std Dev 1.132



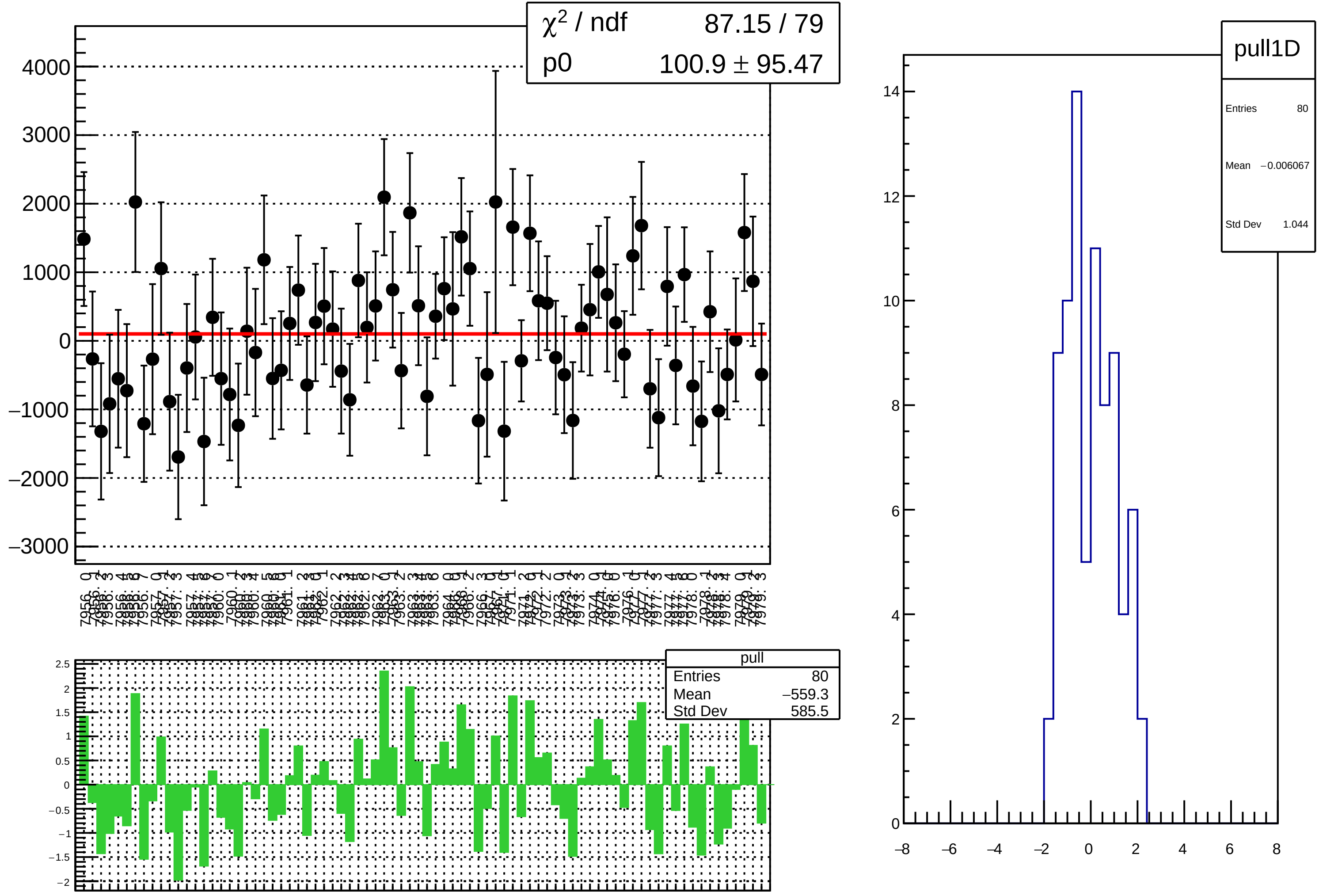
asym_sam7_correction_rms vs run
χ^2 / ndf 2549 / 79
p0 1038 ± 0.8236
1200
1150
1100
1050
1000
950

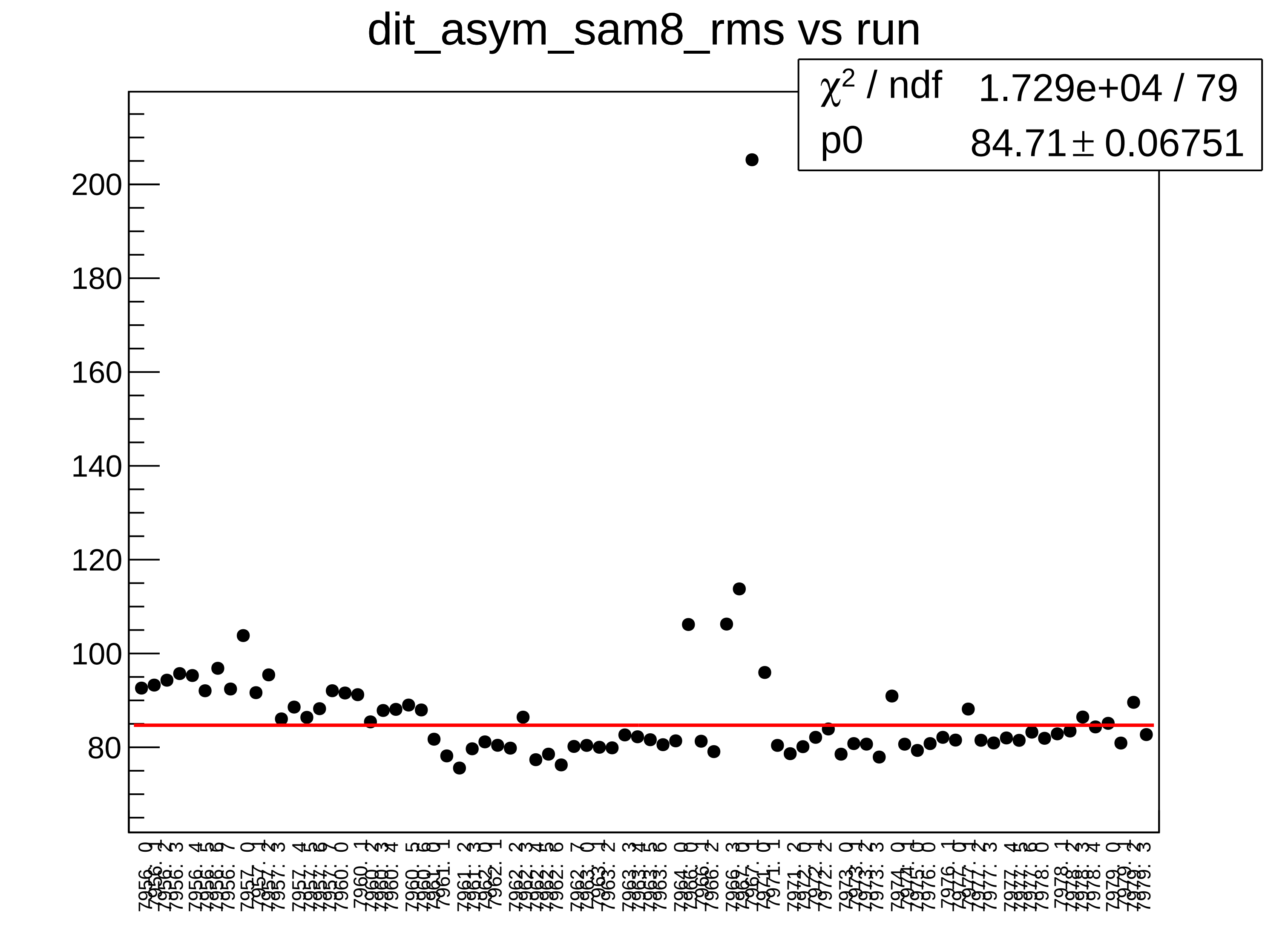

asym_sam7_mean vs run
χ^2 / ndf 102.4 / 79
p0 −999.8 ± 1163
pull
Entries 80
Mean −760.7
Std Dev 802.6
pull1D
Entries 80
Mean 0.005316
Std Dev 1.131

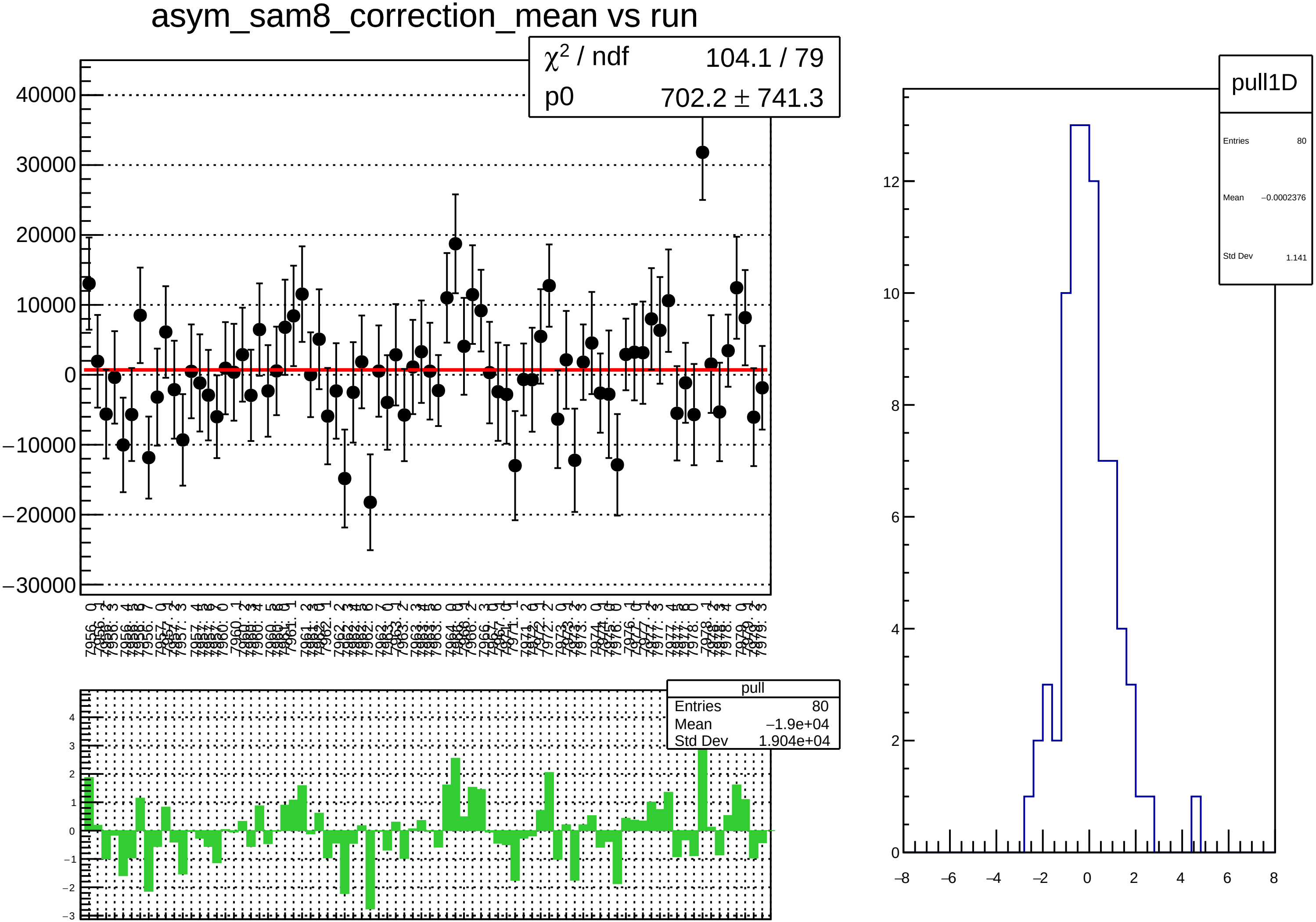


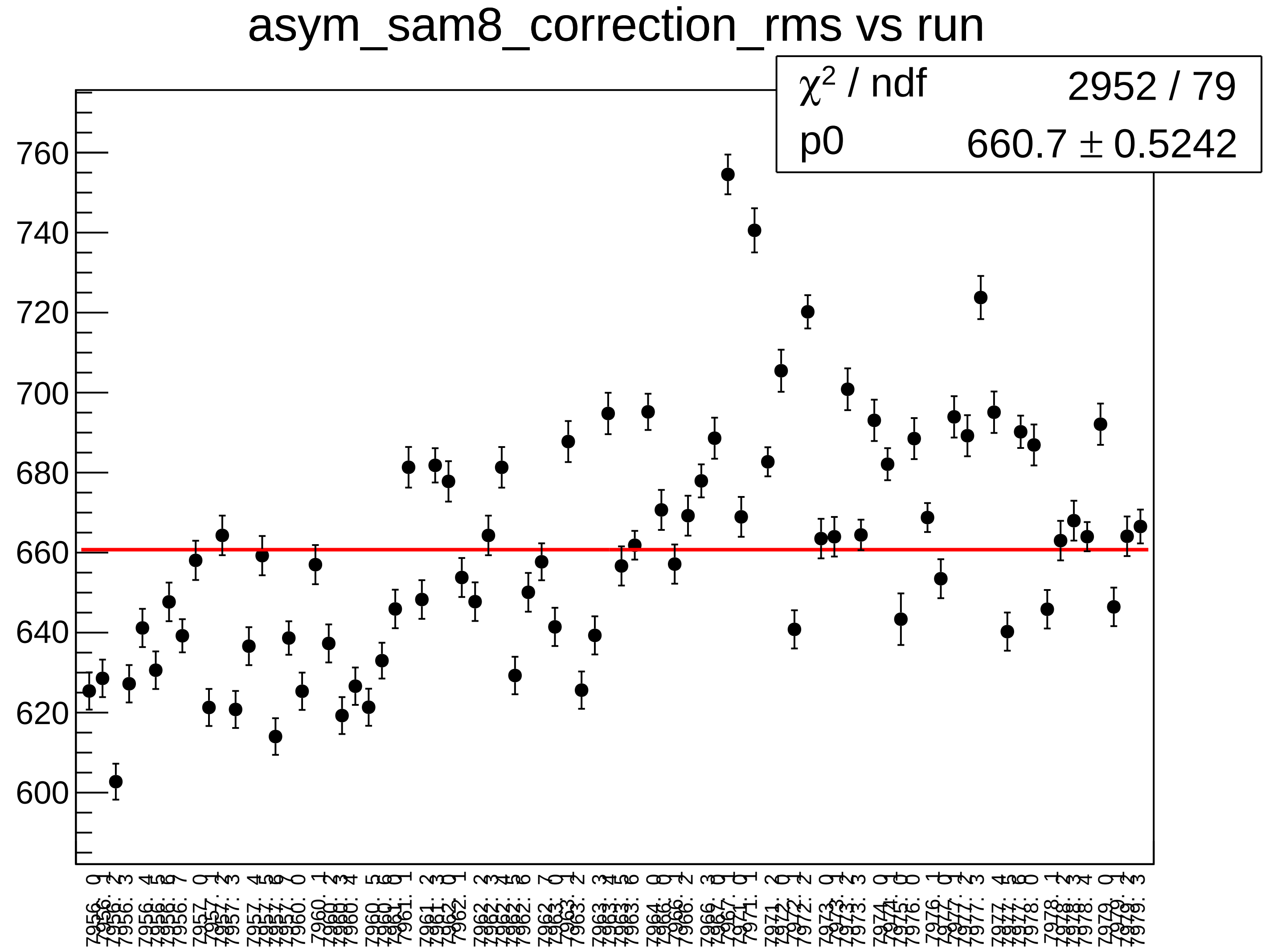
asym_sam7_rms vs run
χ2 / ndf 2363 / 79
p0 1037 ± 0.8226
1200
1150
1100
1050
1000
950

dit_asym_sam8_mean vs run

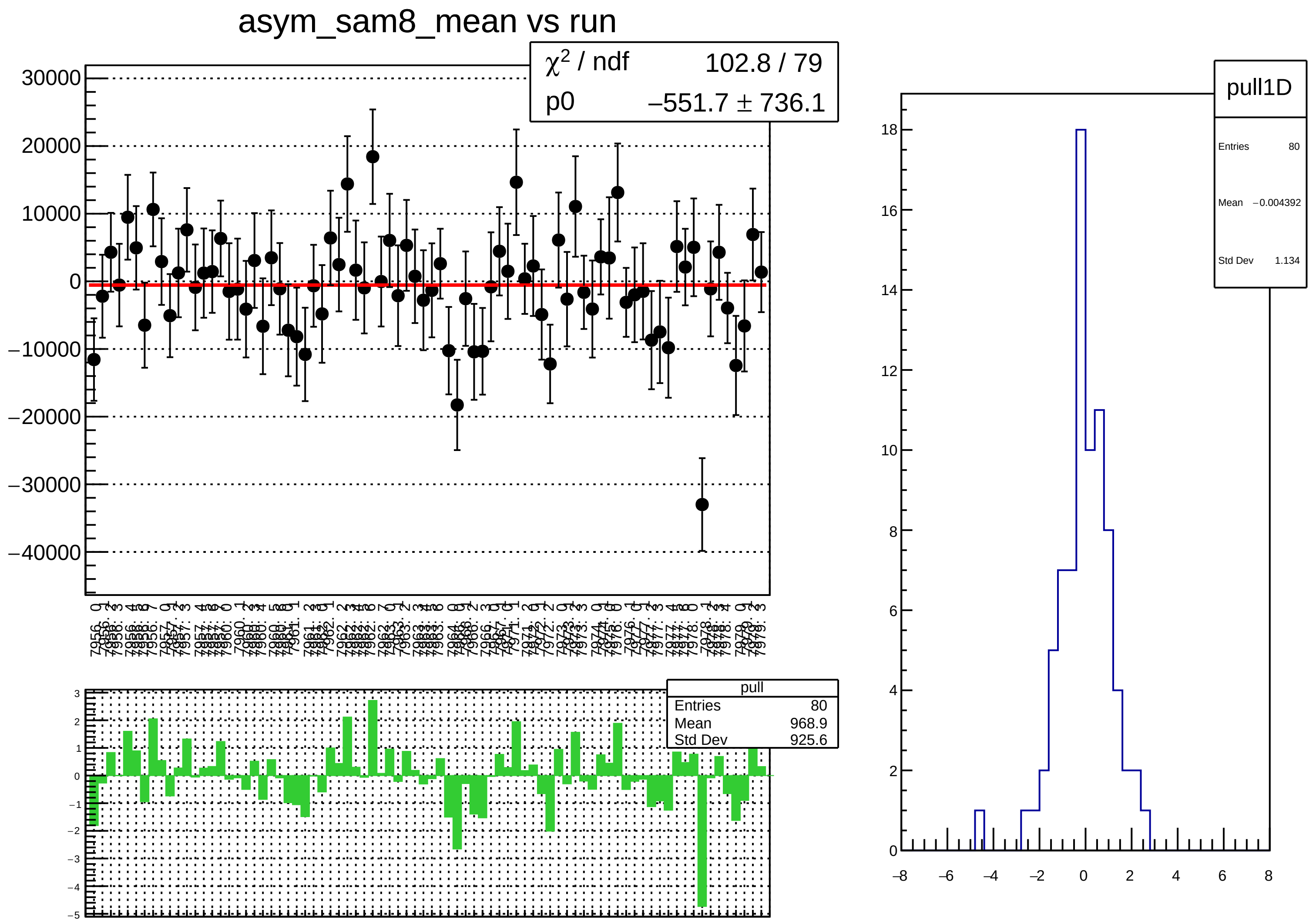




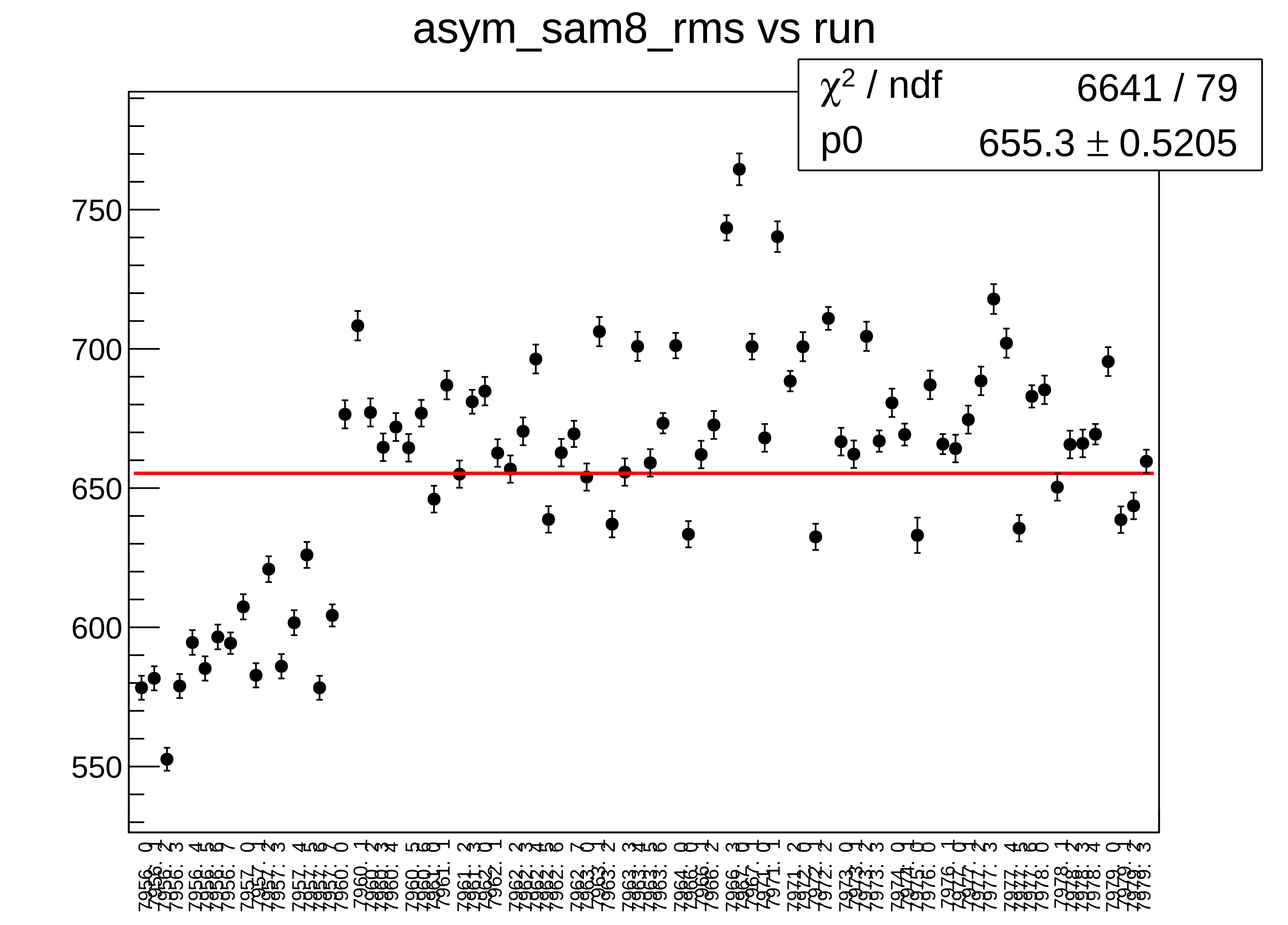

asym_sam8_correction_mean vs run
χ^2 / ndf 104.1 / 79
p0 702.2 ± 741.3
pull
Entries 80
Mean −1.9e+04
Std Dev 1.904e+04
pull1D
Entries 80
Mean −0.0002376
Std Dev 1.141



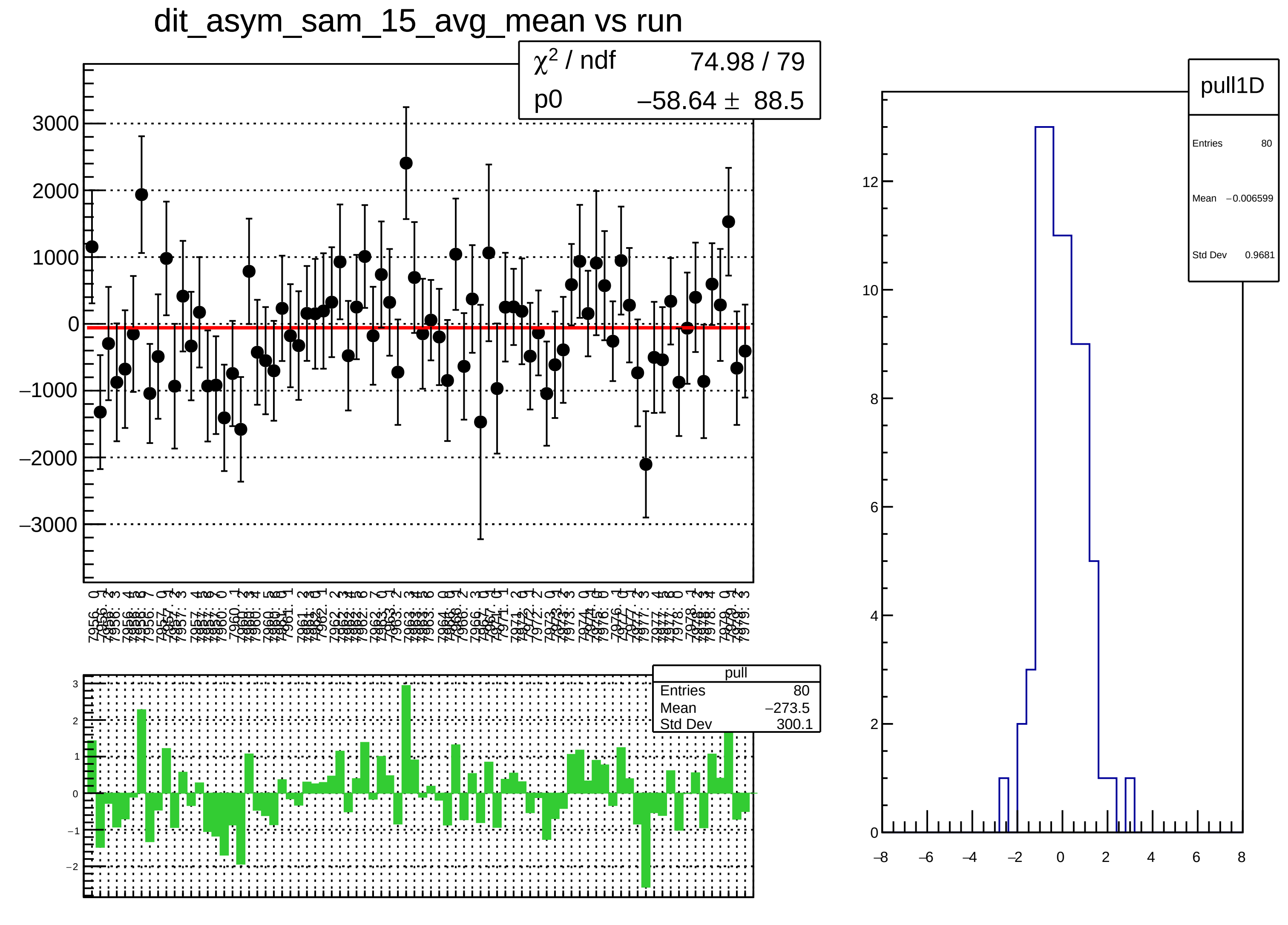
asym_sam8_correction_rms vs run
χ2 / ndf 2952 / 79
p0 660.7 ± 0.5242
760
740
720
700
680
660
640
620
600



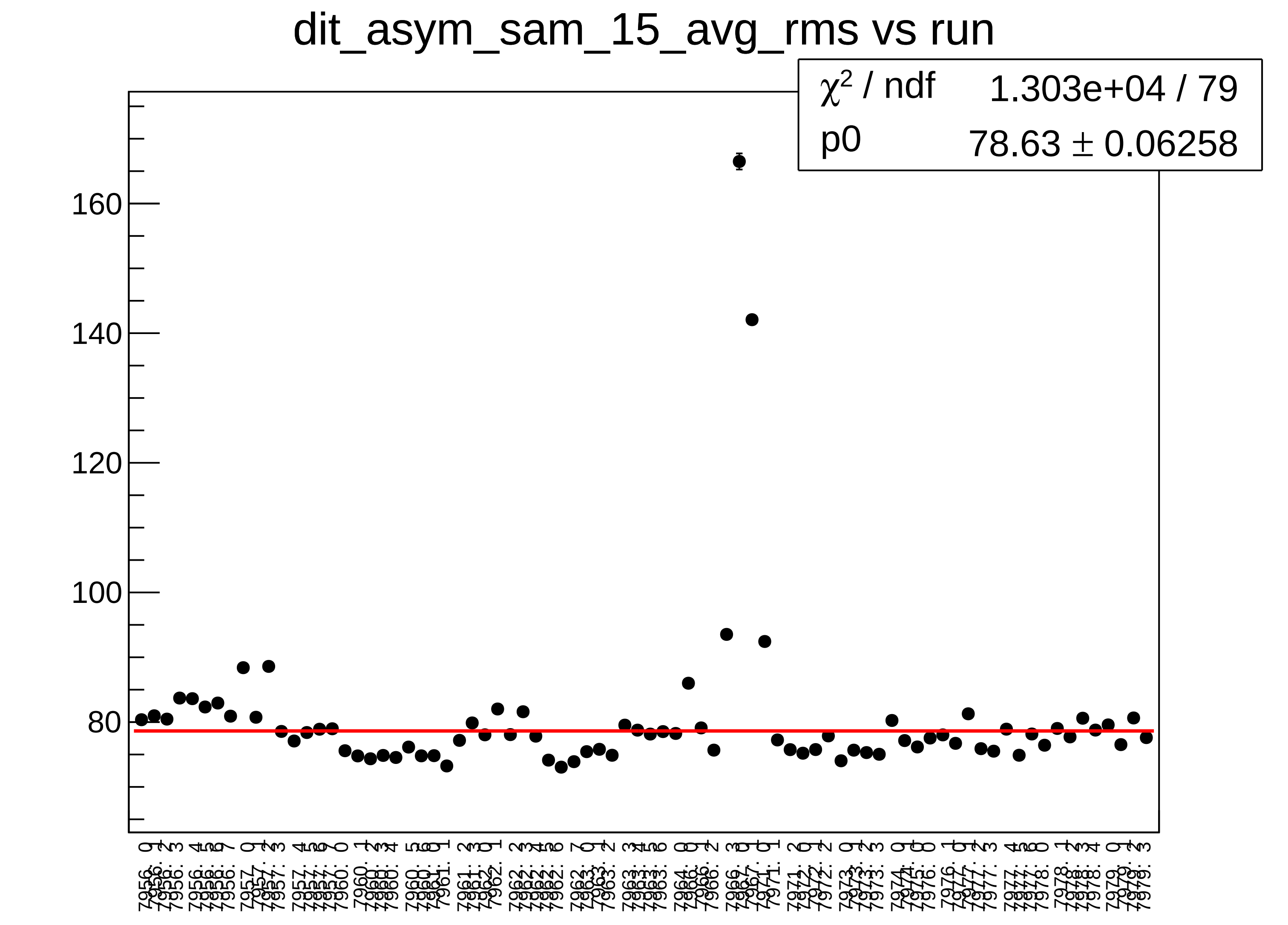
asym_sam8_mean vs run
χ^2 / ndf 102.8 / 79
p0 −551.7 ± 736.1
pull
Entries 80
Mean 968.9
Std Dev 925.6
pull1D
Entries 80
Mean −0.004392
Std Dev 1.134



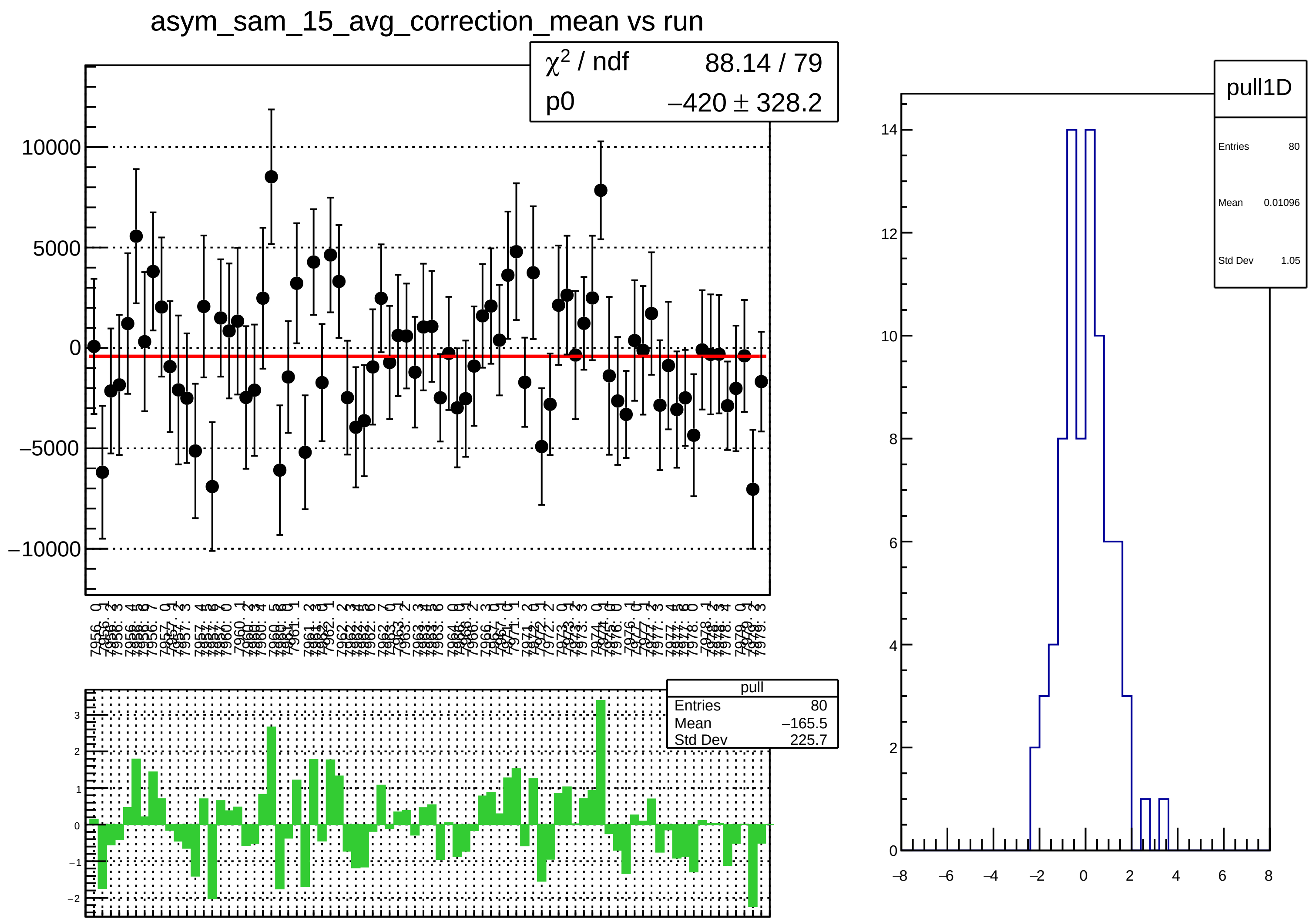
asym_sam8_rms vs run
χ^2 / ndf 6641 / 79
p0 655.3 ± 0.5205
750
700
650
600
550



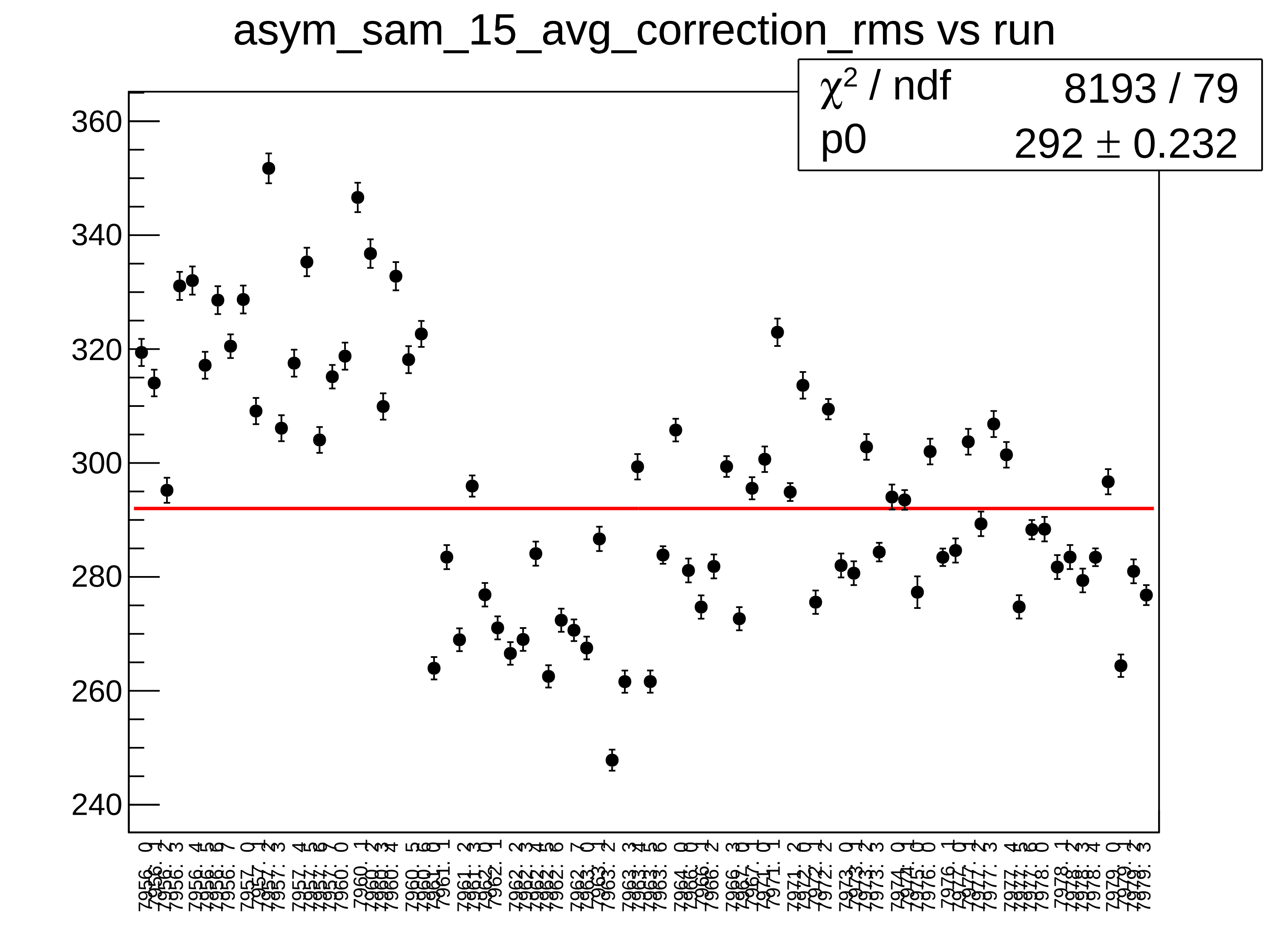
dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 74.98 / 79
p0 −58.64 ± 88.5
pull
Entries 80
Mean −273.5
Std Dev 300.1
pull1D
Entries 80
Mean −0.006599
Std Dev 0.9681

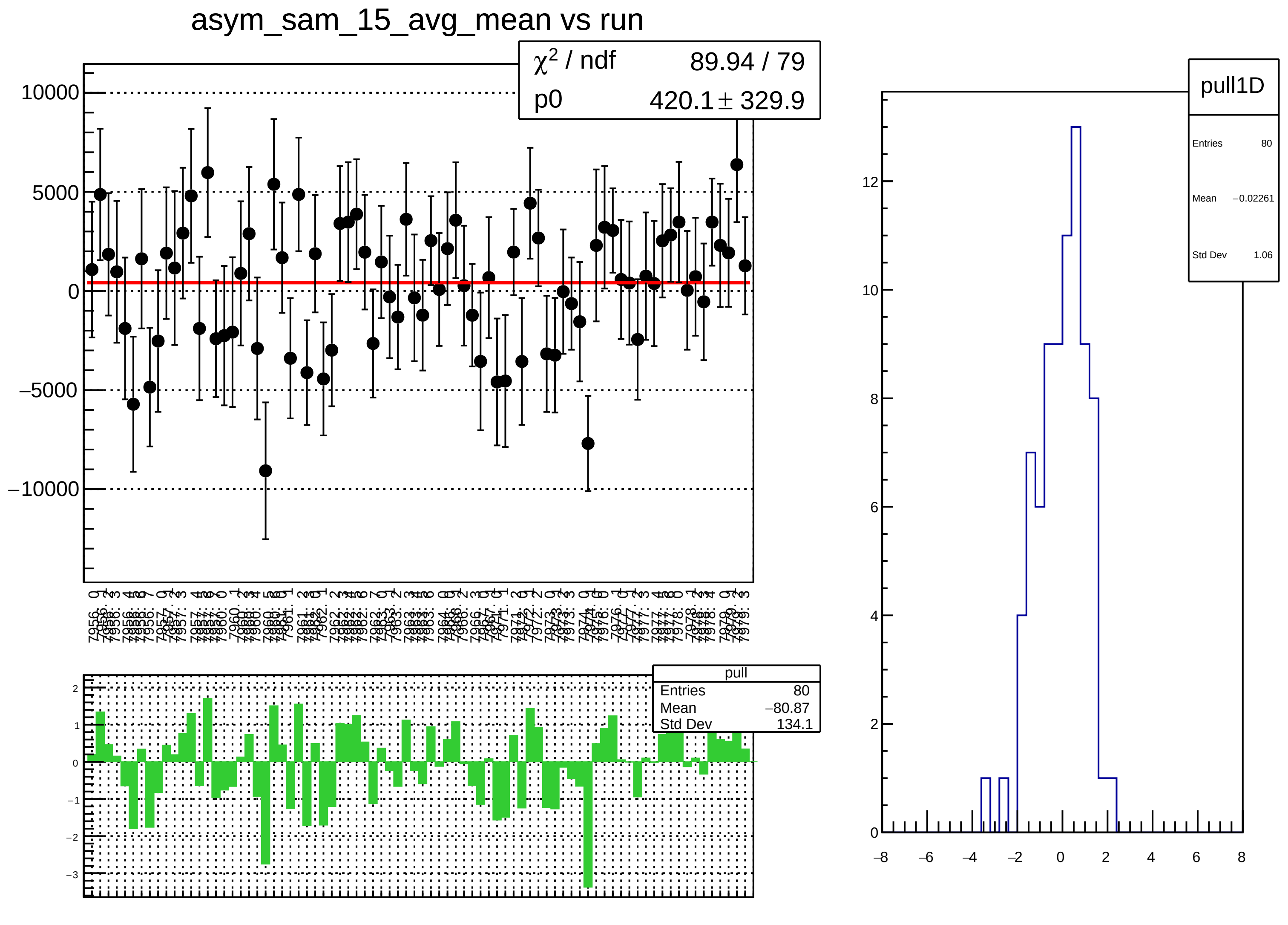


dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.303e+04 / 79
p0 78.63 ± 0.06258
160
140
120
100
80

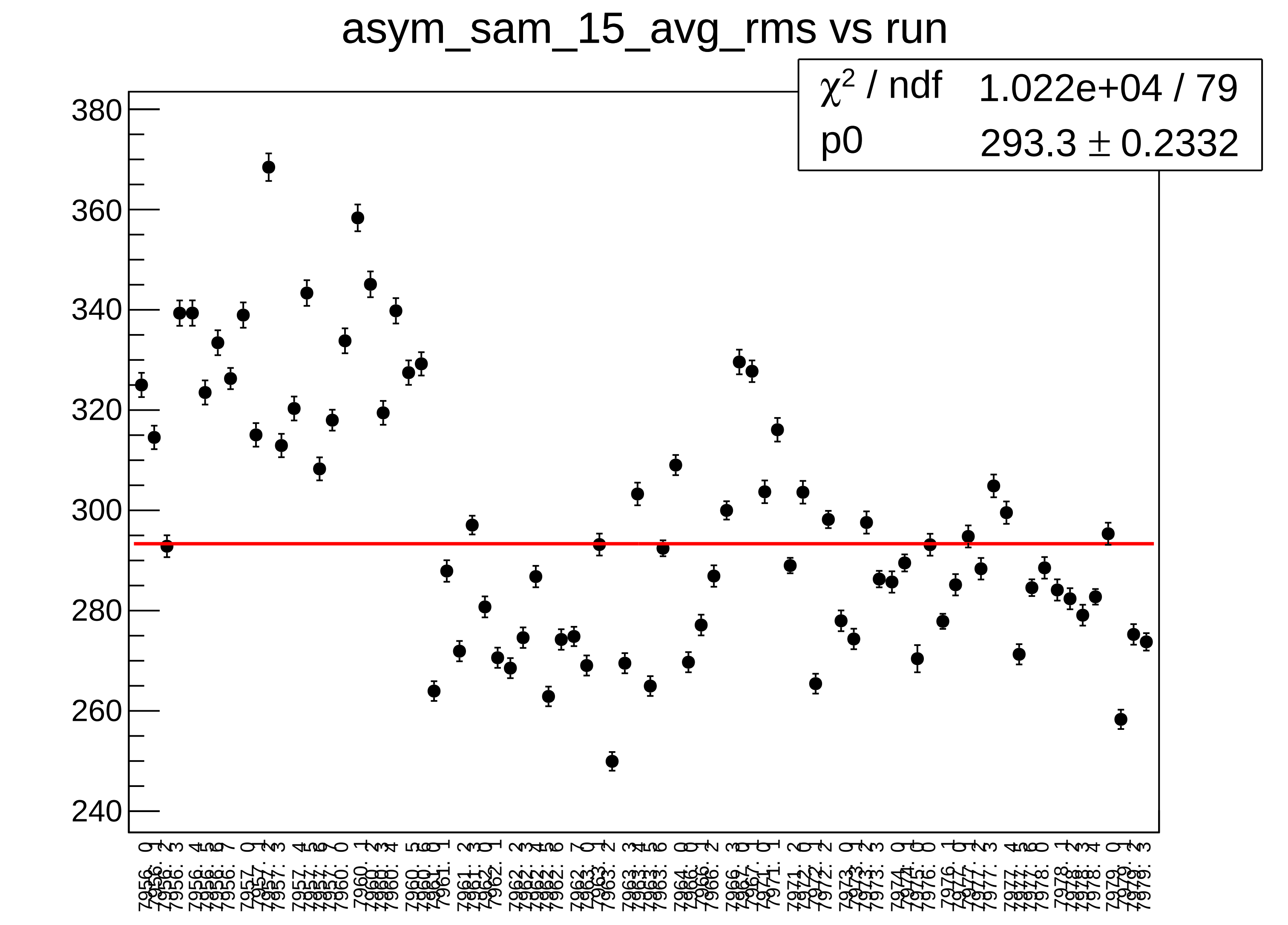


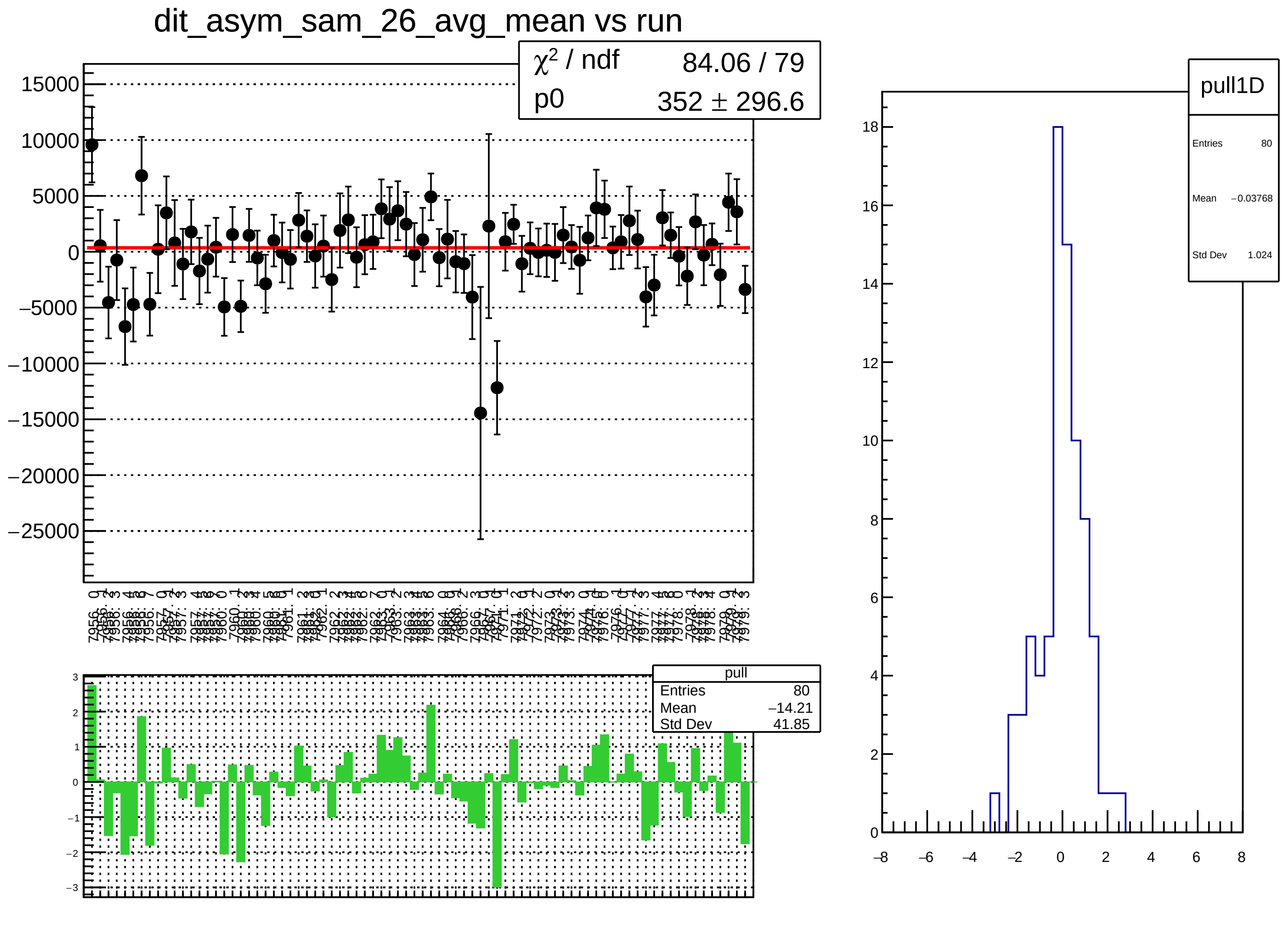
asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 88.14 / 79
p0 −420 ± 328.2
pull
Entries 80
Mean −165.5
Std Dev 225.7
pull1D
Entries 80
Mean 0.01096
Std Dev 1.05


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 8193 / 79
p0 292 ± 0.232
360
340
320
300
280
260
240

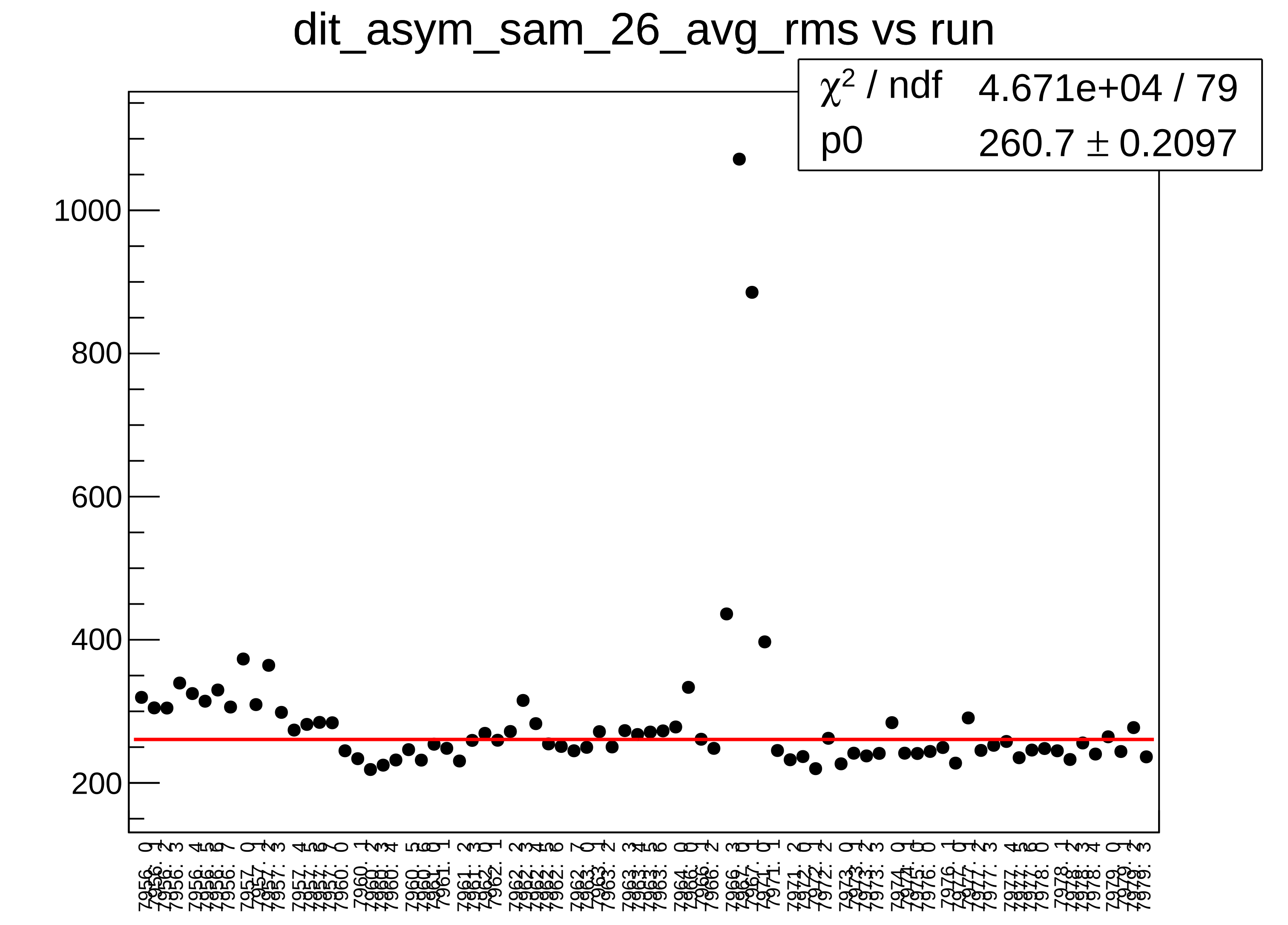


asym_sam_15_avg_mean vs run
χ^2 / ndf 89.94 / 79
p0 420.1 ± 329.9
pull
Entries 80
Mean −80.87
Std Dev 134.1
pull1D
Entries 80
Mean −0.02261
Std Dev 1.06

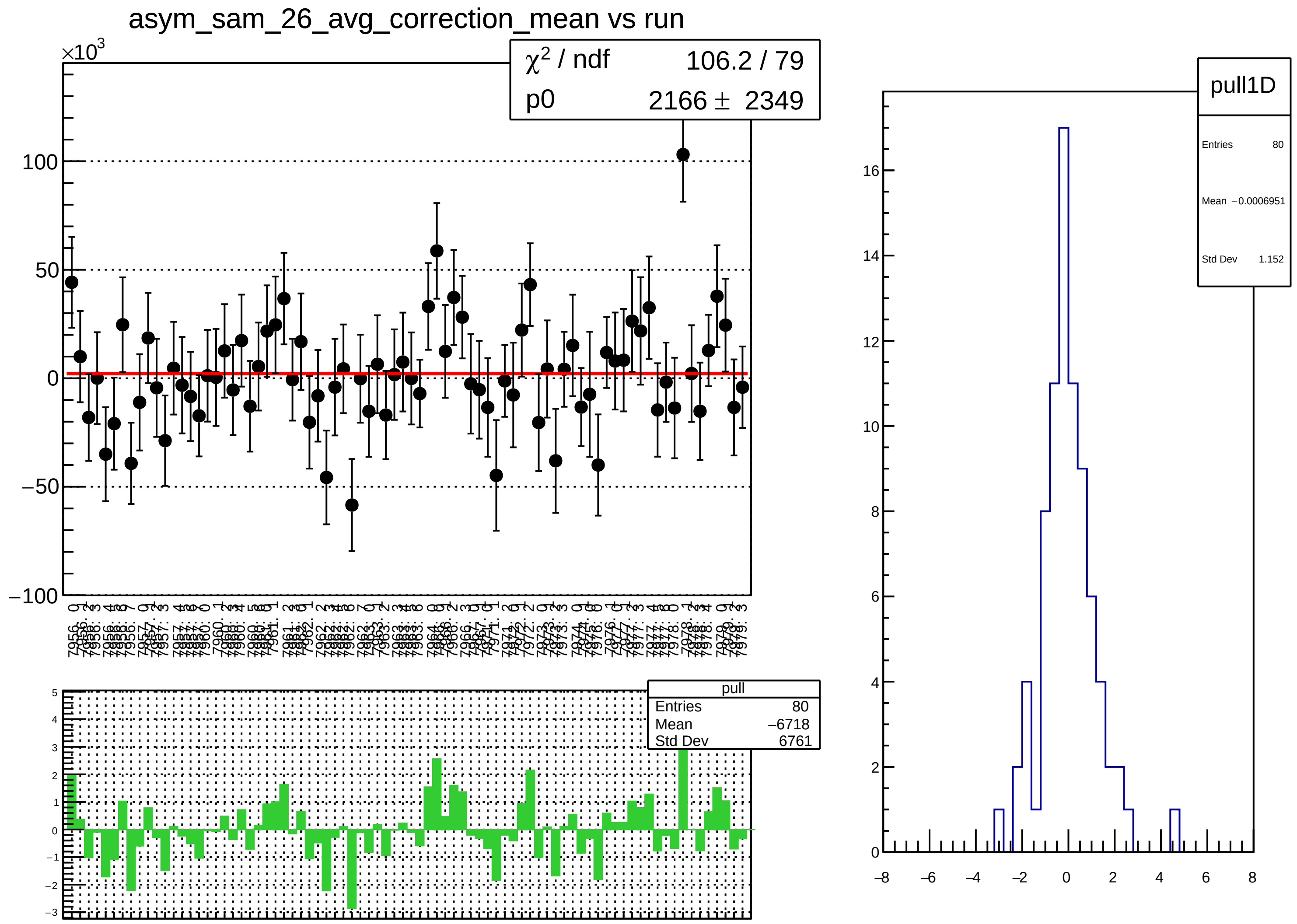




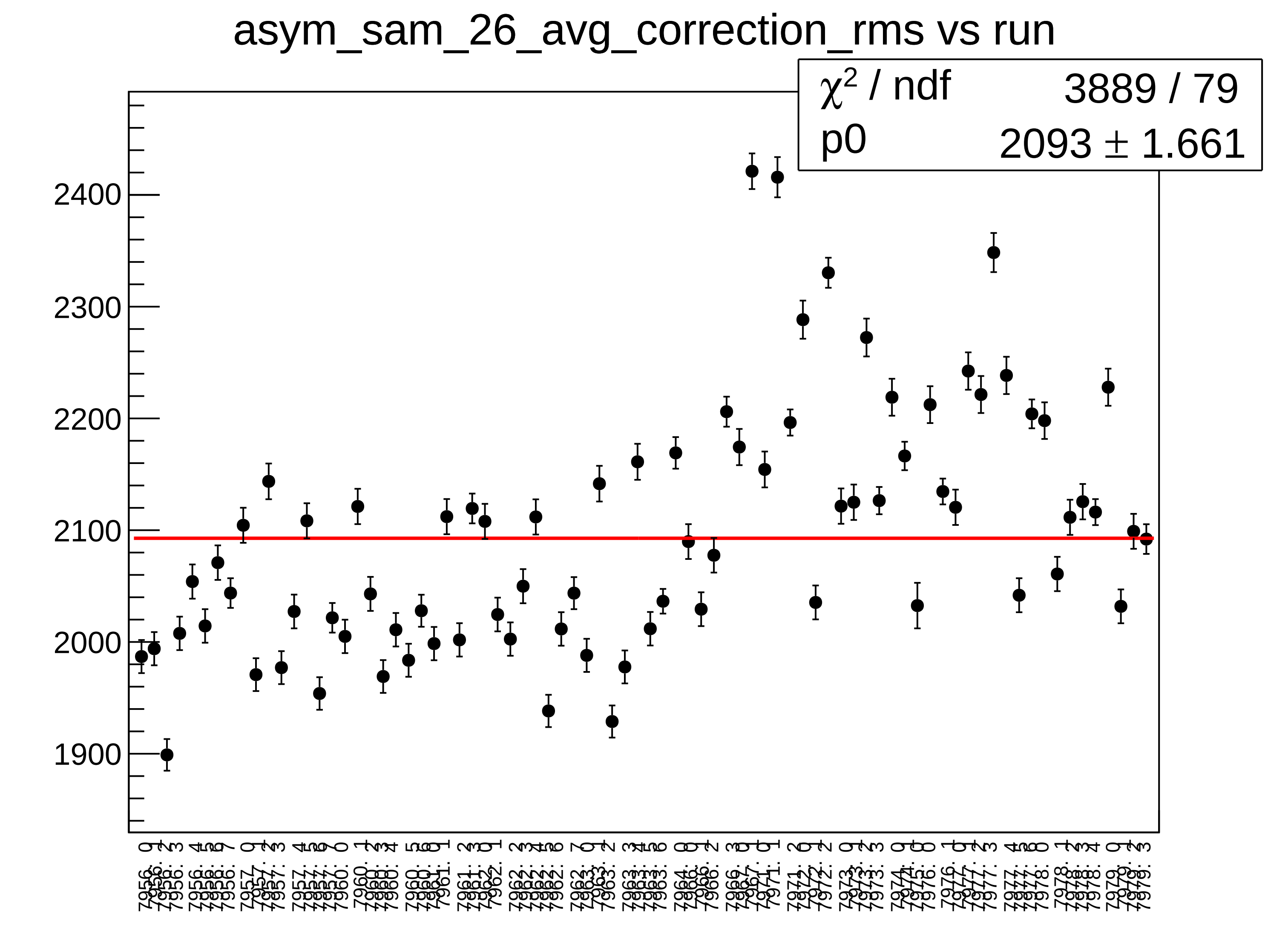
dit_asym_sam_26_avg_mean vs run
χ2 / ndf 84.06 / 79
p0 352 ± 296.6
pull
Entries 80
Mean −14.21
Std Dev 41.85
pull1D
Entries 80
Mean −0.03768
Std Dev 1.024



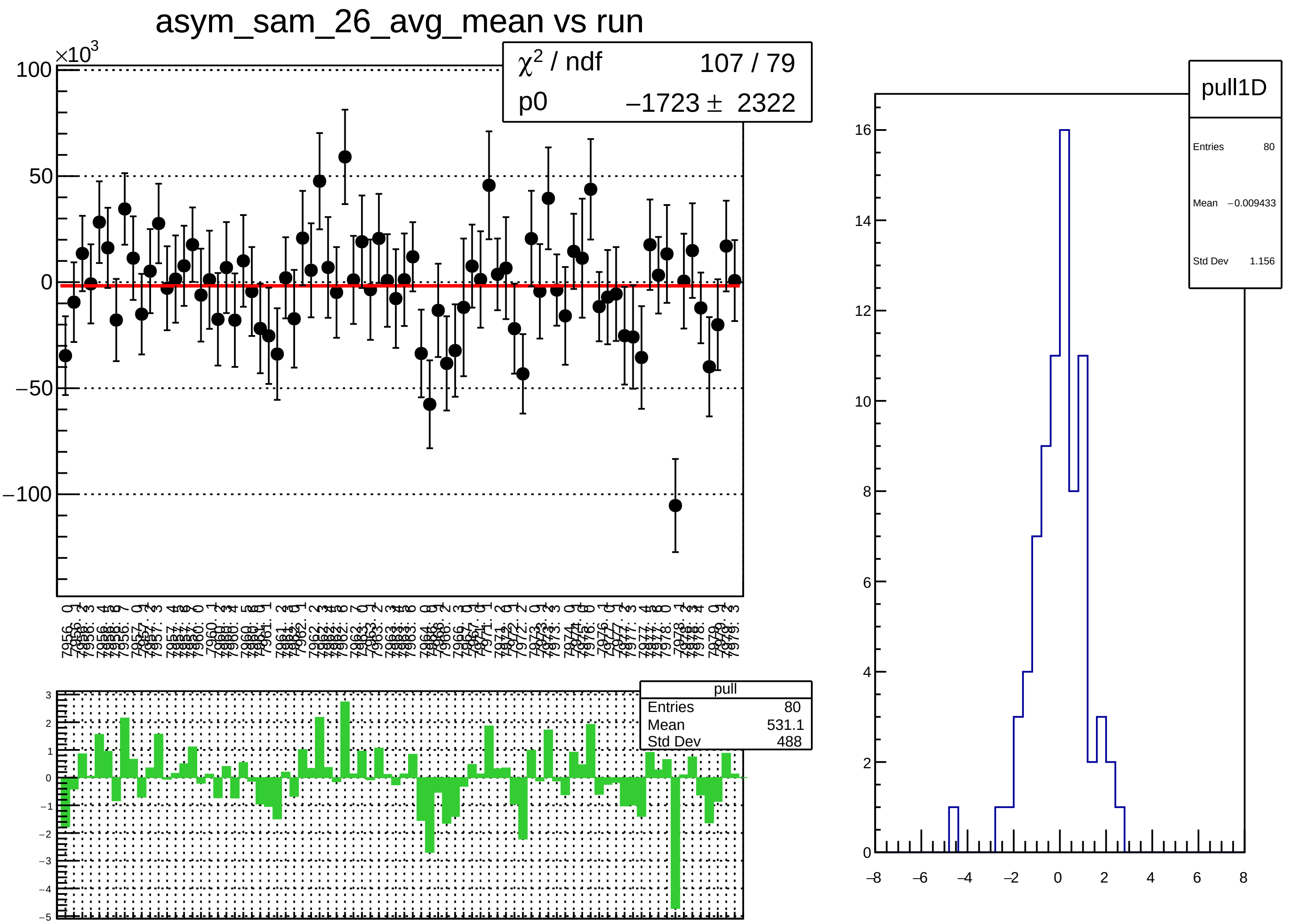
dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 4.671e+04 / 79
p0 260.7 ± 0.2097
1000
800
600
400
200



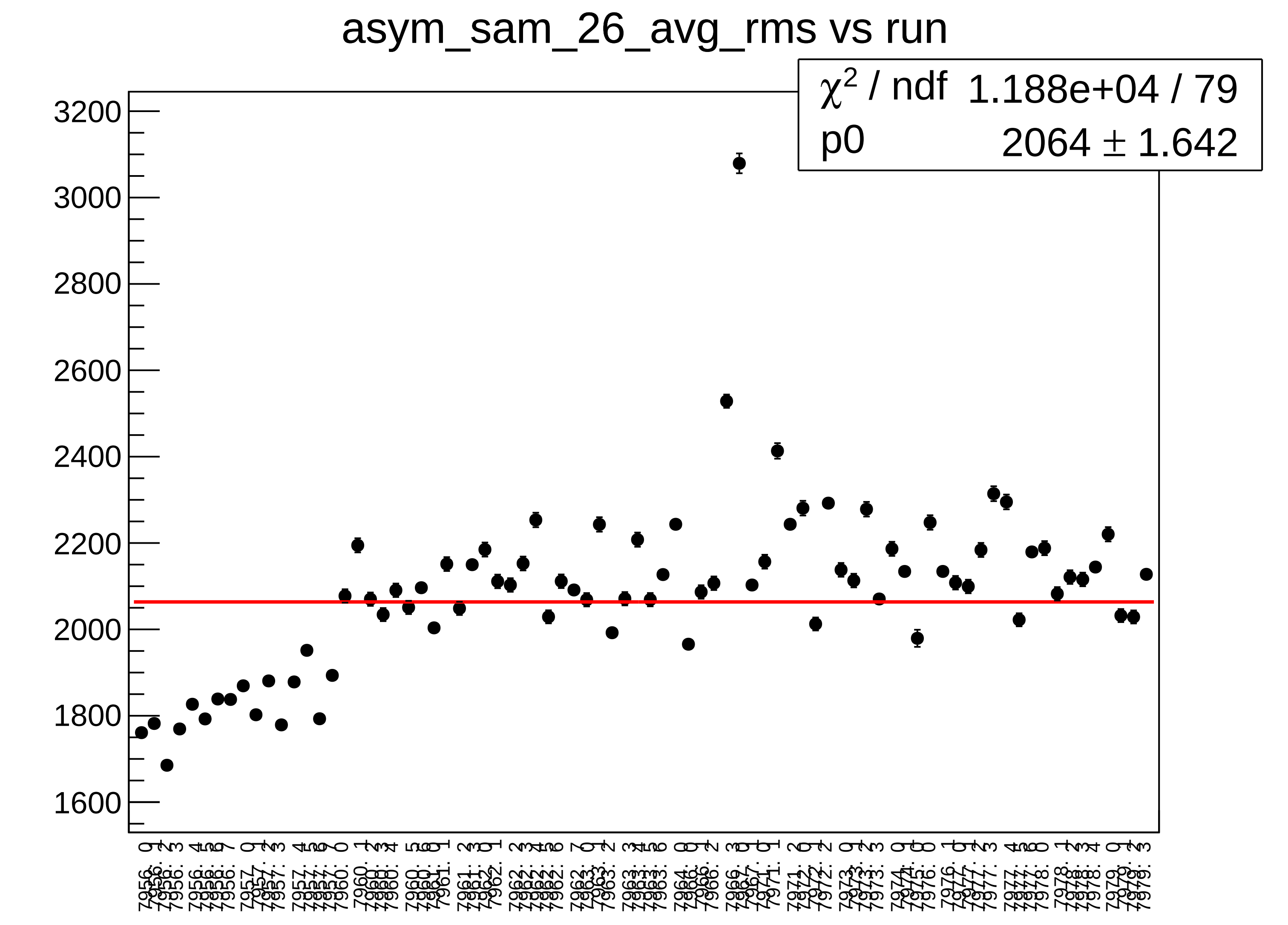
asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 106.2 / 79
p0 2166 ± 2349
pull
Entries 80
Mean −6718
Std Dev 6761
pull1D
Entries 80
Mean −0.0006951
Std Dev 1.152

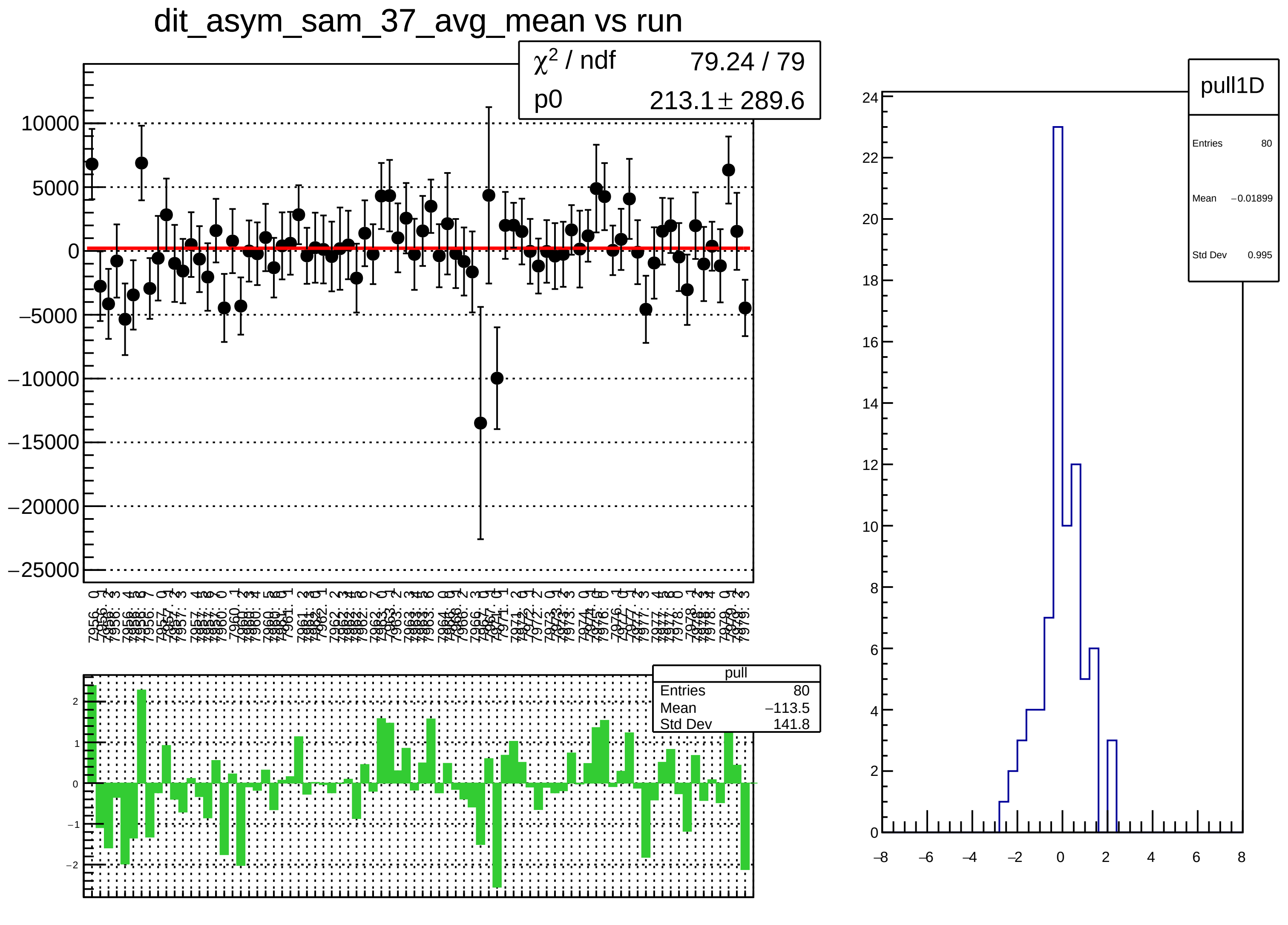


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 3889 / 79
p0 2093 ± 1.661
2400
2300
2200
2100
2000
1900

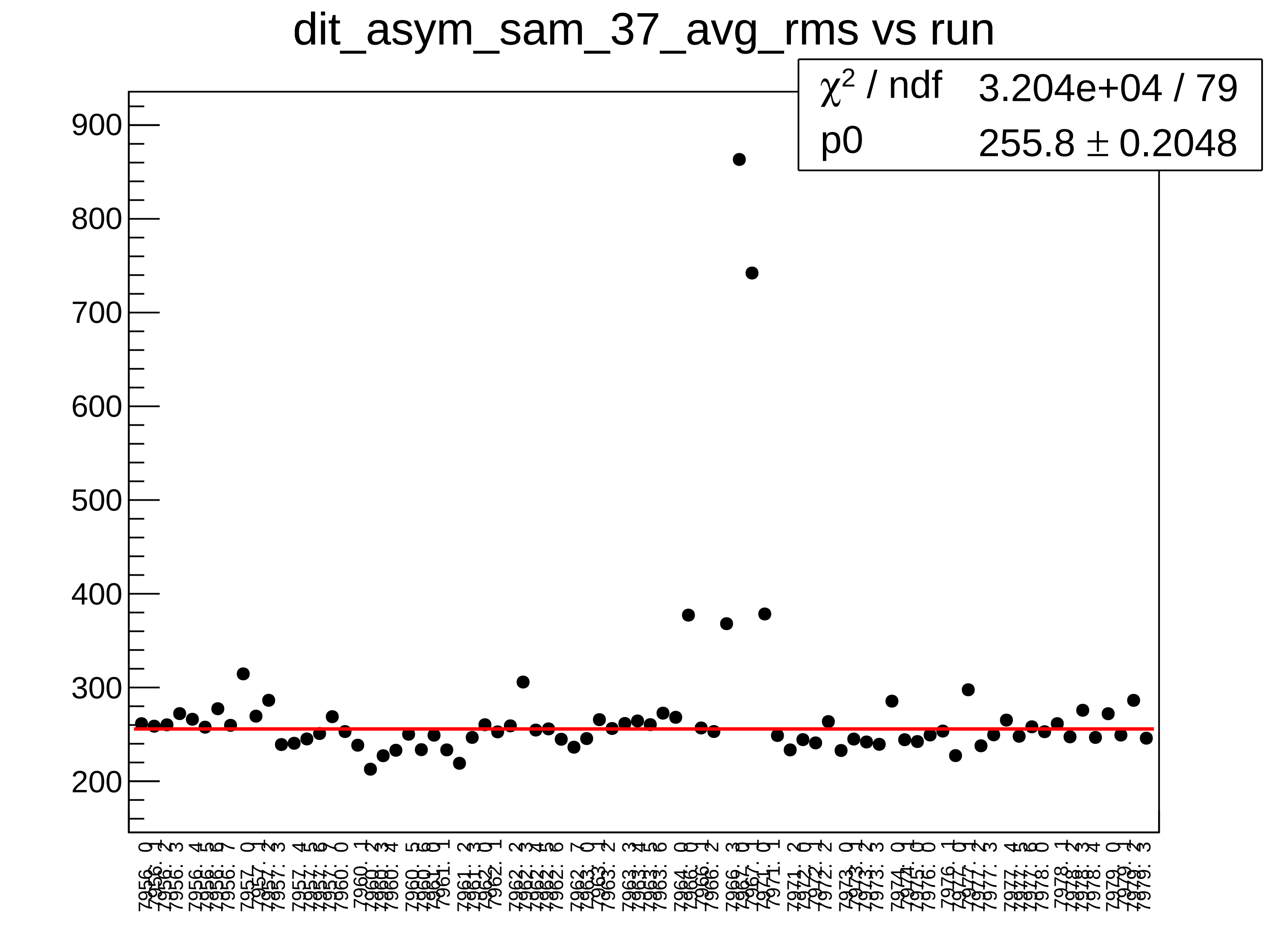


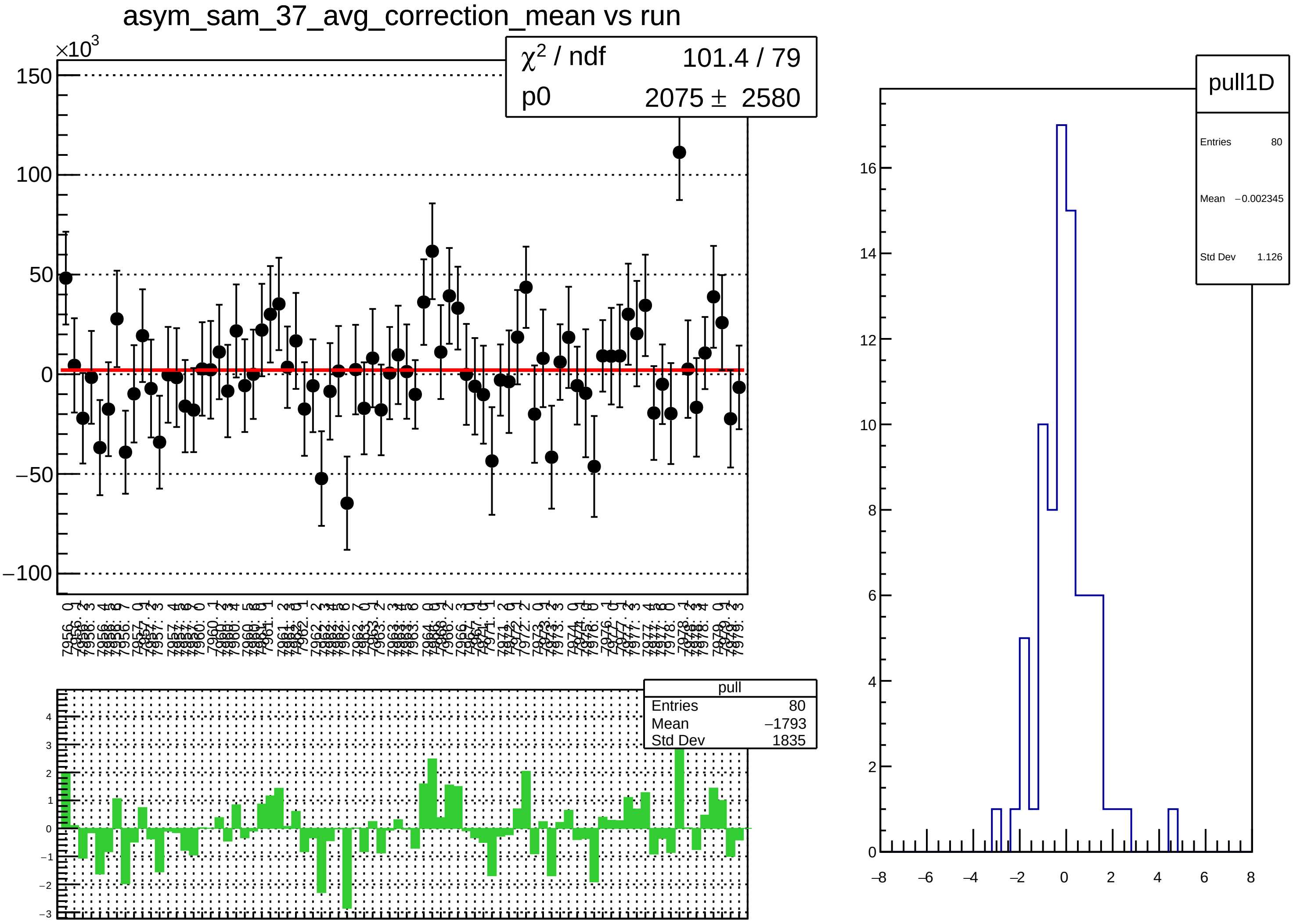
asym_sam_26_avg_mean vs run
$\times10^3$
χ^2 / ndf 107 / 79
p0 −1723 ± 2322
pull
Entries 80
Mean 531.1
Std Dev 488
pull1D
Entries 80
Mean −0.009433
Std Dev 1.156


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



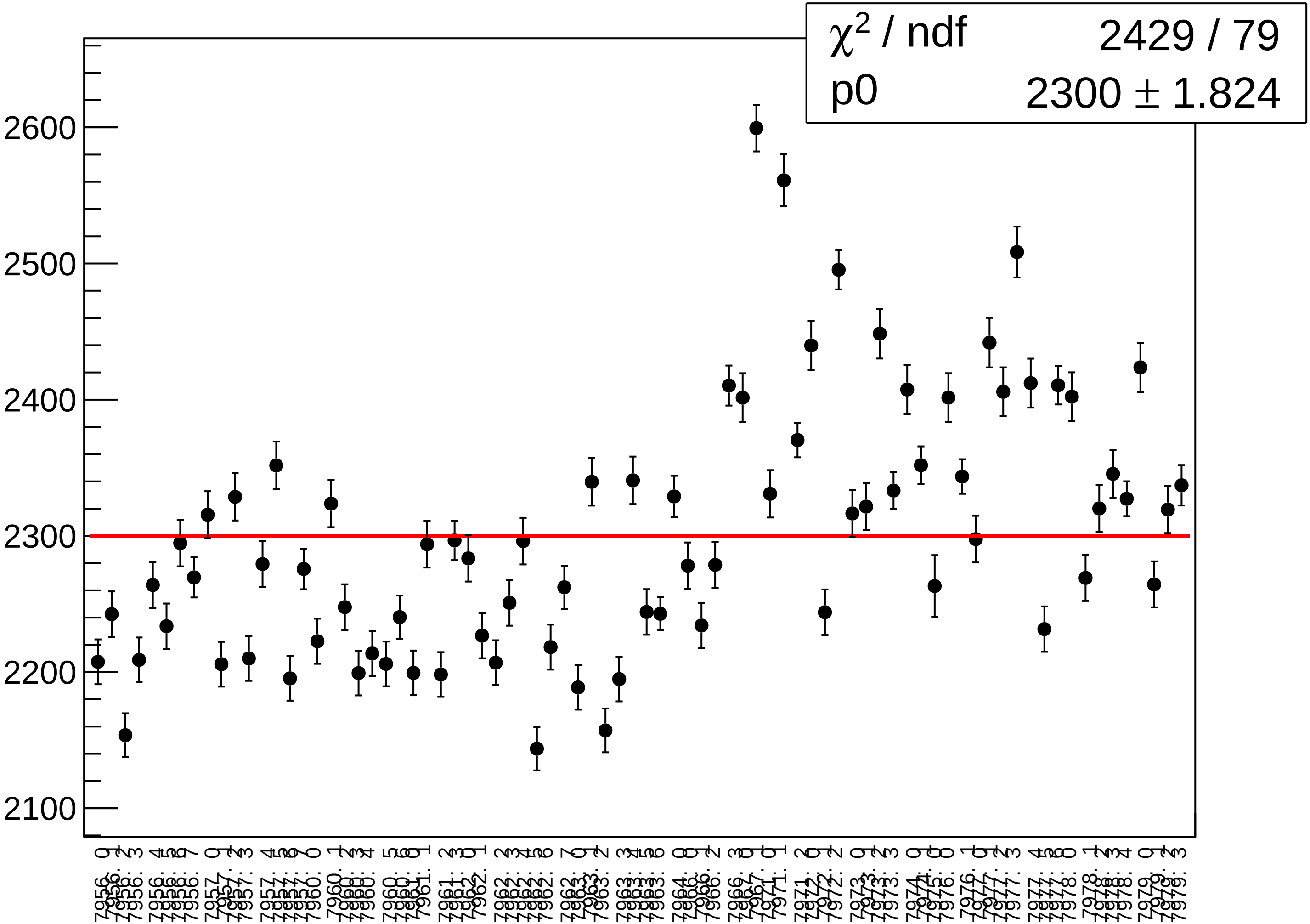
dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 79.24 / 79
p0 213.1 ± 289.6
pull
Entries 80
Mean −113.5
Std Dev 141.8
pull1D
Entries 80
Mean −0.01899
Std Dev 0.995

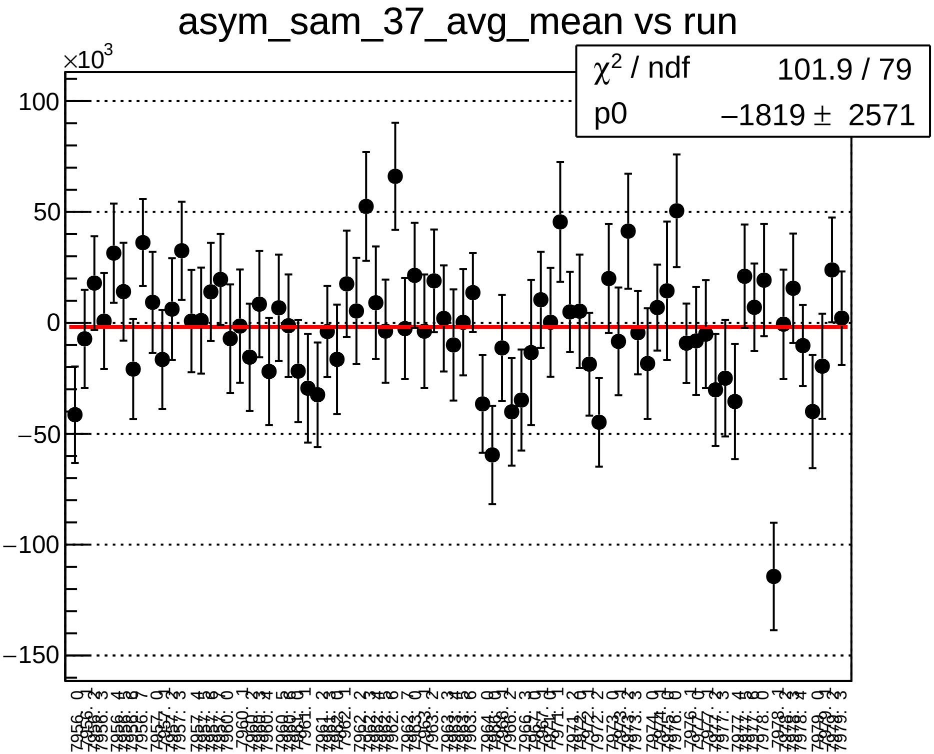

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 3.204e+04 / 79
p0 255.8 ± 0.2048
900
800
700
600
500
400
300
200

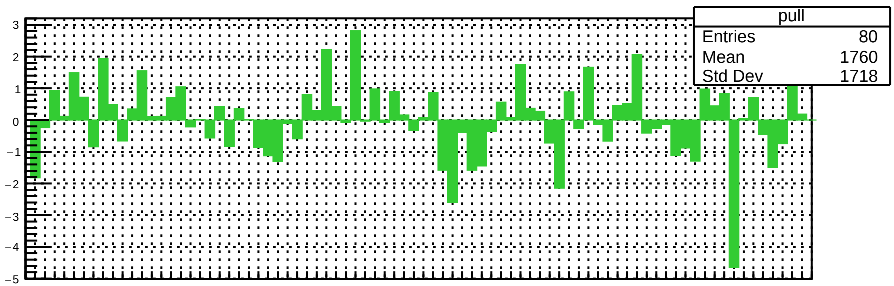


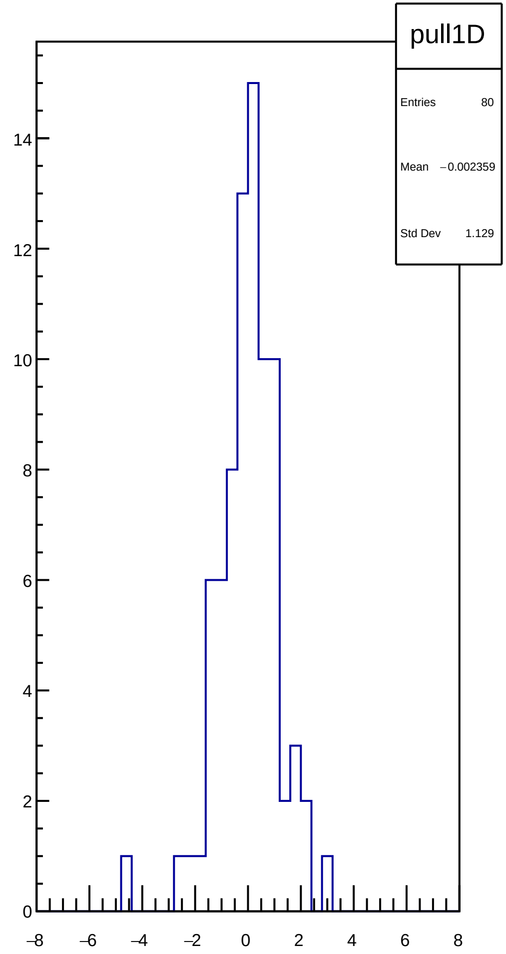
asym_sam_37_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 101.4 / 79
p0 2075 ± 2580
150
100
50
0
−50
−100
pull
Entries 80
Mean −1793
Std Dev 1835
pull1D
Entries 80
Mean −0.002345
Std Dev 1.126

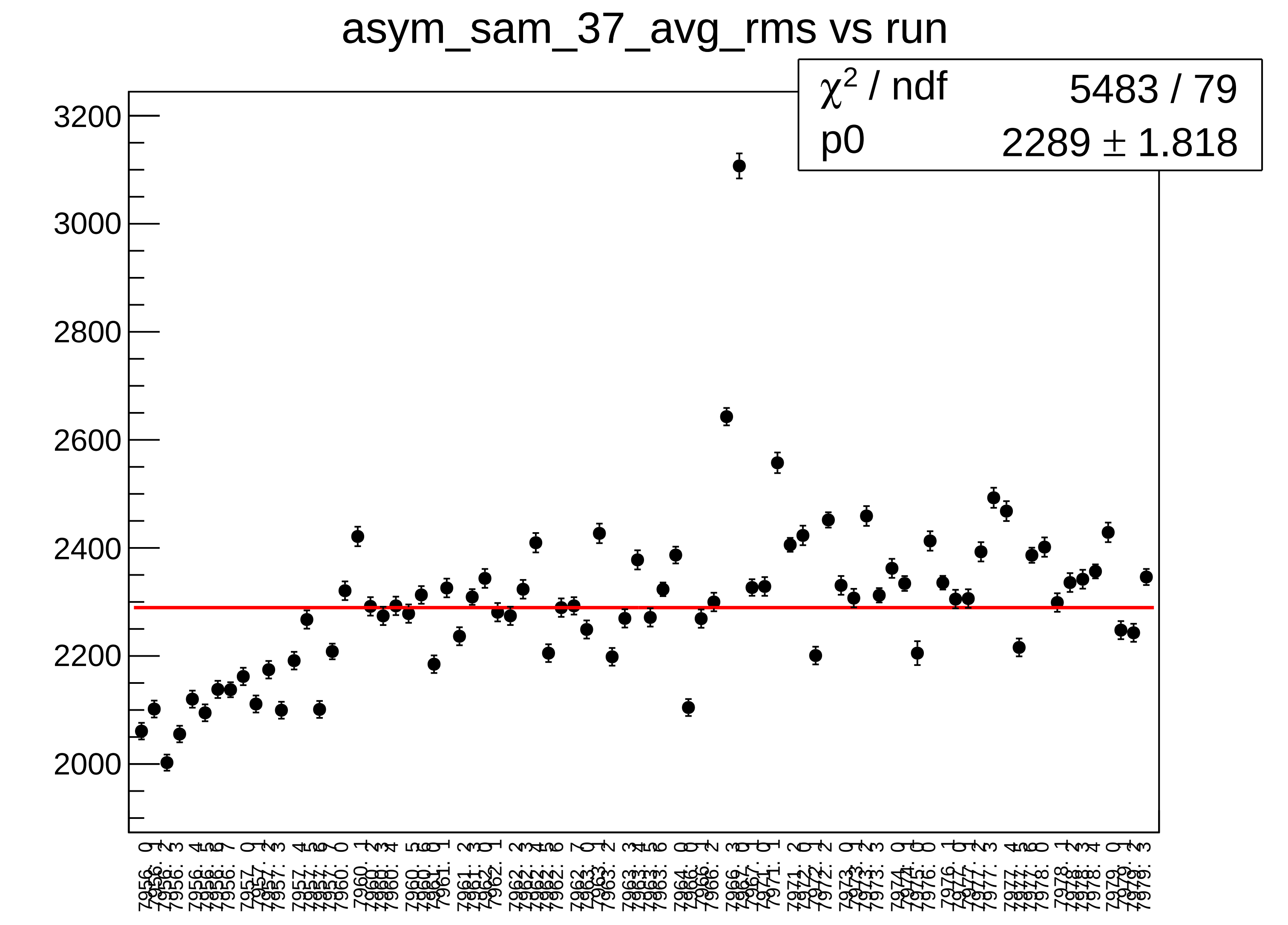
asym_sam_37_avg_correction_rms vs run



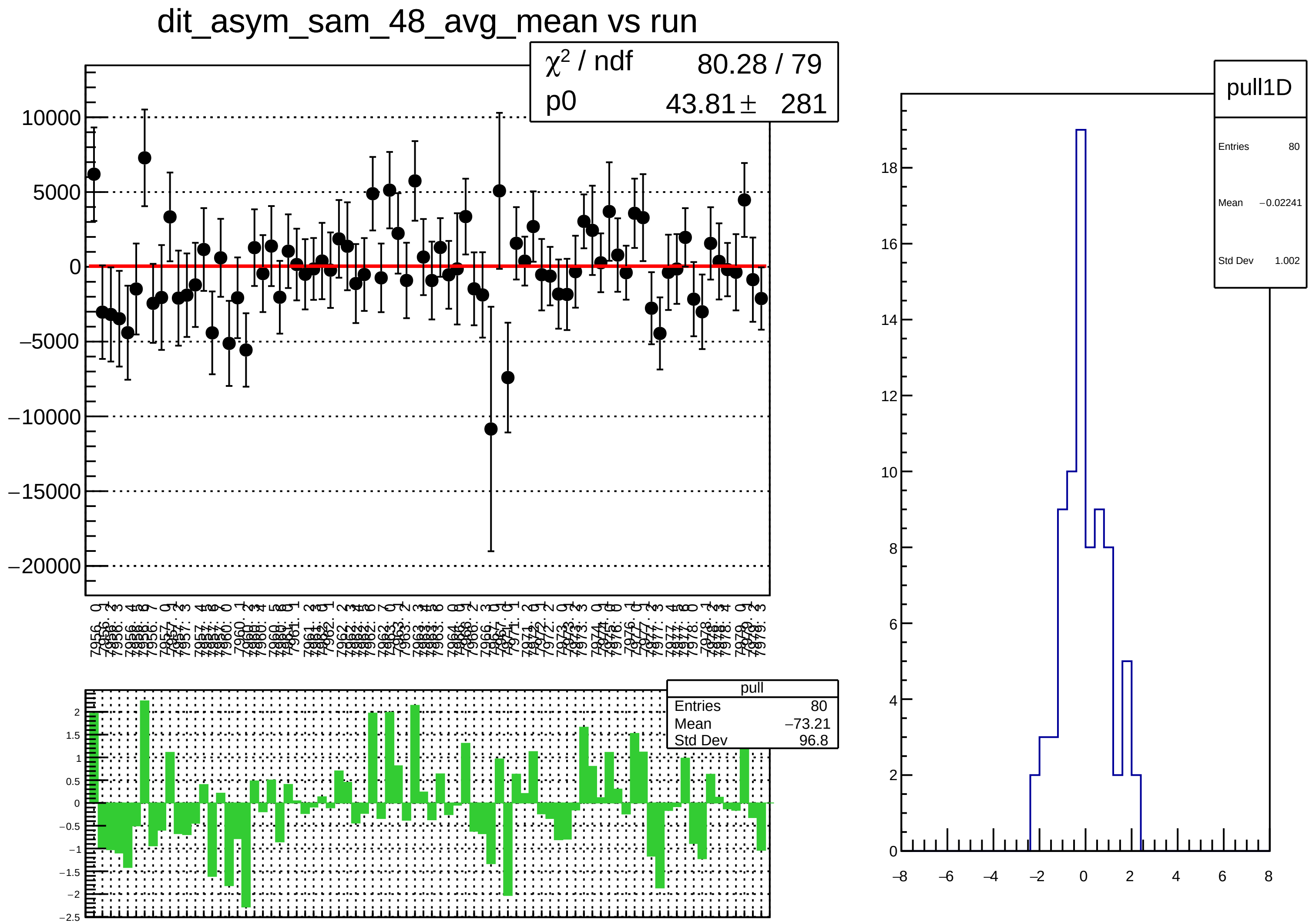

asym_sam_37_avg_mean vs run
$\times10^3$
χ^2 / ndf 101.9 / 79
p0 −1819 ± 2571
100
50
0
−50
−100
−150

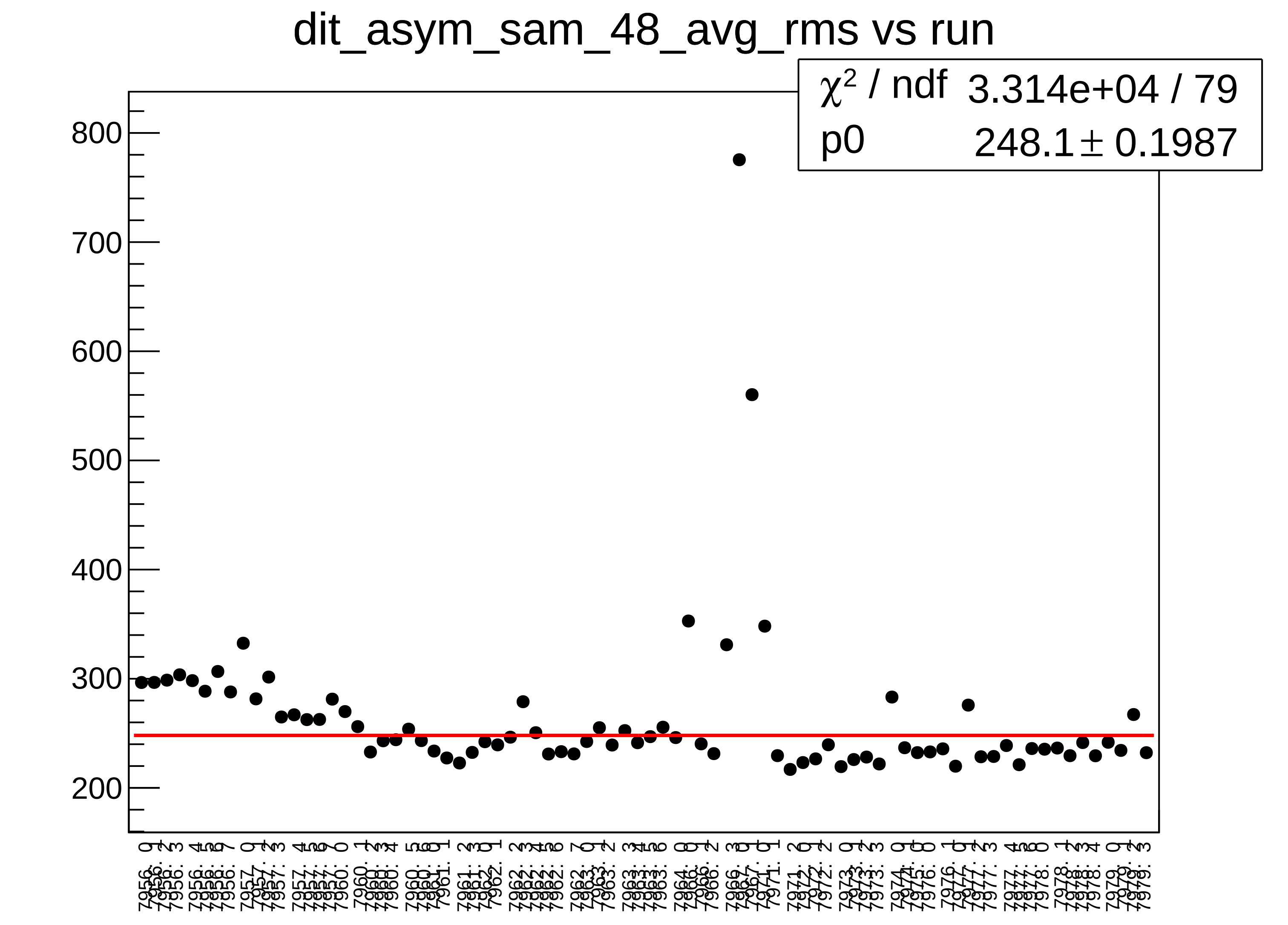

pull
Entries 80
Mean 1760
Std Dev 1718

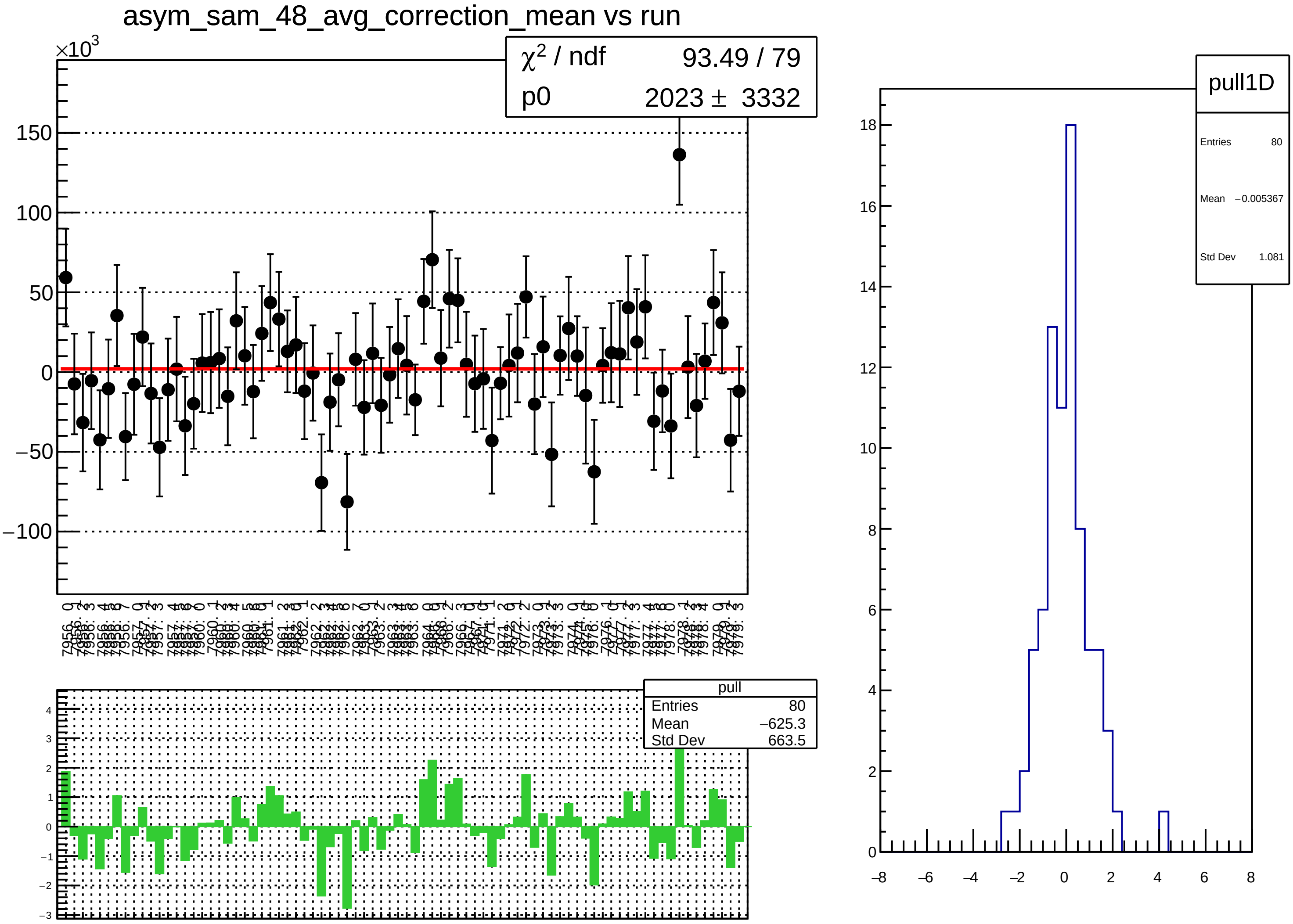

pull1D
Entries 80
Mean −0.002359
Std Dev 1.129



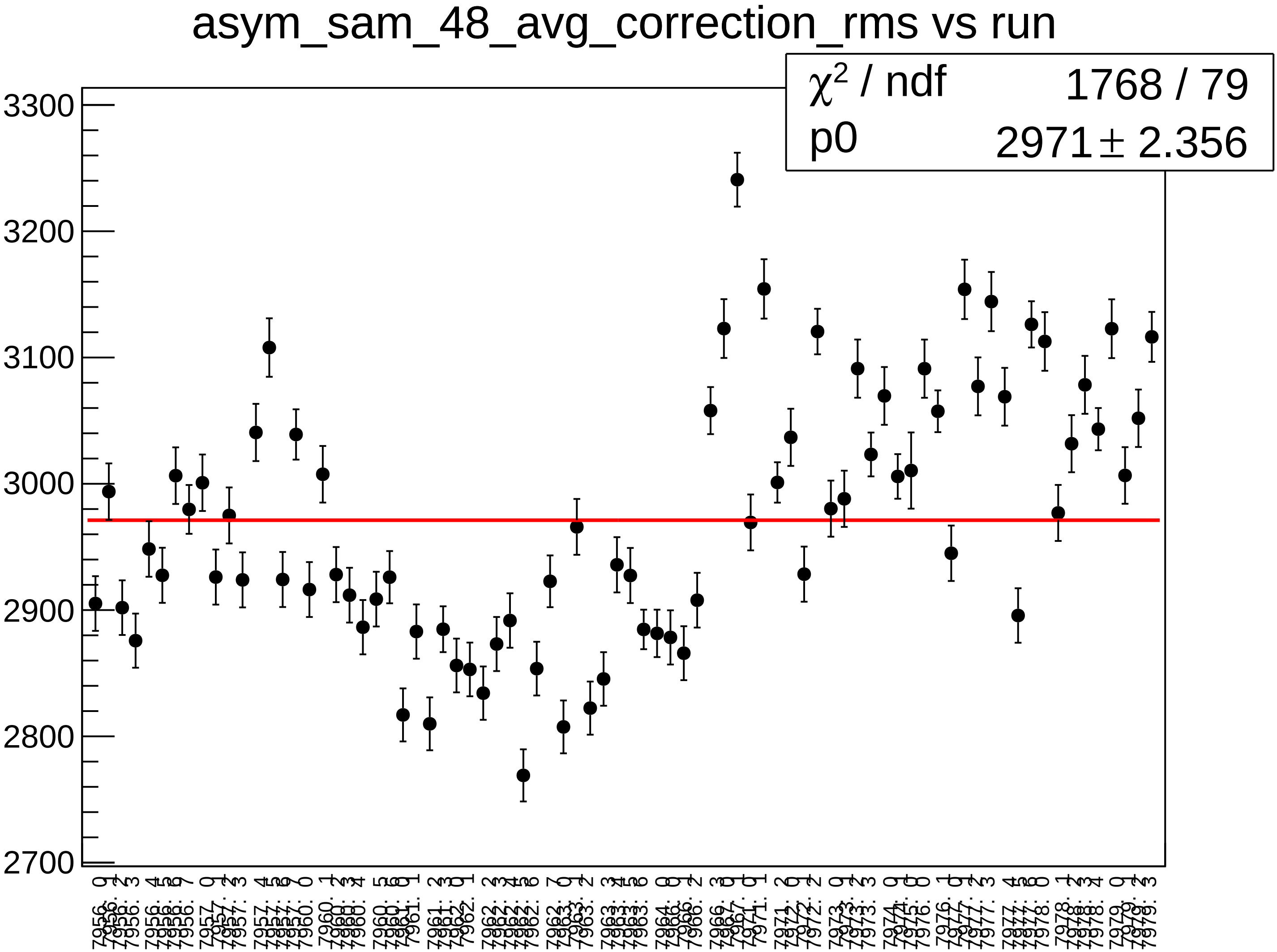
asym_sam_37_avg_rms vs run
χ^2 / ndf 5483 / 79
p0 2289 ± 1.818


dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 80.28 / 79
p0 43.81 ± 281
pull
Entries 80
Mean −73.21
Std Dev 96.8
pull1D
Entries 80
Mean −0.02241
Std Dev 1.002

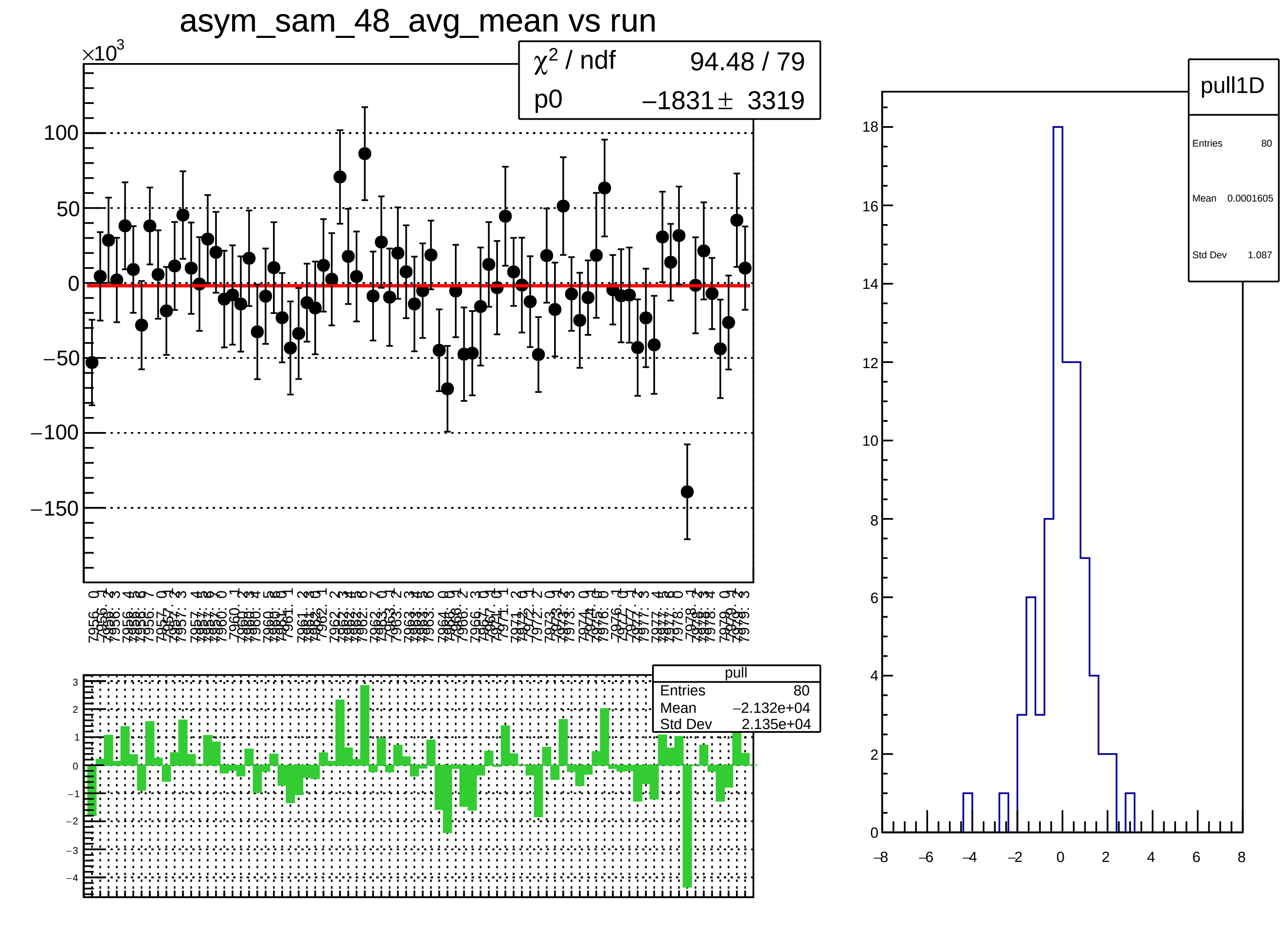

dit_asym_sam_48_avg_rms vs run
χ2 / ndf 3.314e+04 / 79
p0 248.1 ± 0.1987
800
700
600
500
400
300
200



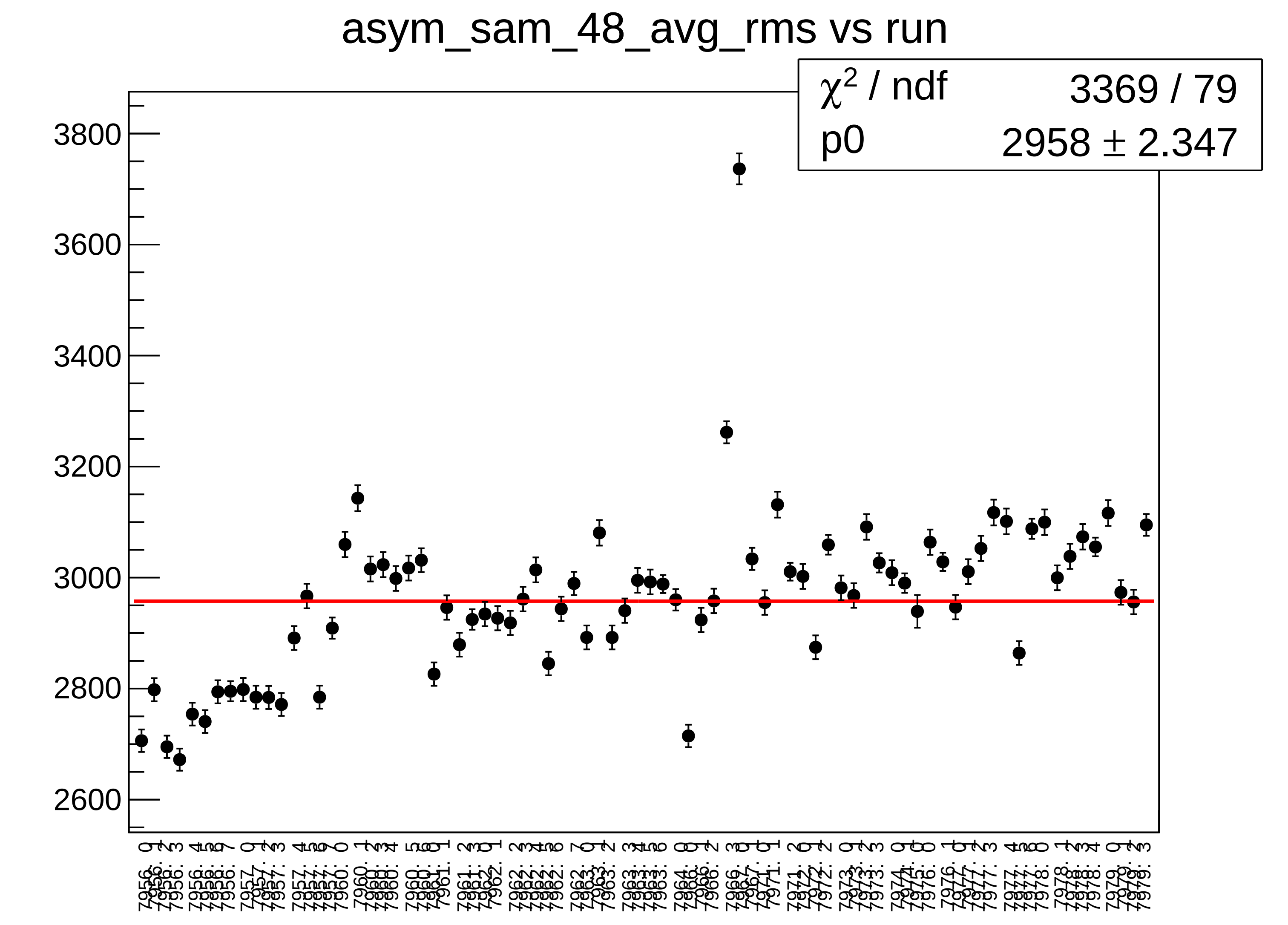
asym_sam_48_avg_correction_mean vs run
×10^3
χ^2 / ndf 93.49 / 79
p0 2023 ± 3332
pull
Entries 80
Mean −625.3
Std Dev 663.5
pull1D
Entries 80
Mean −0.005367
Std Dev 1.081

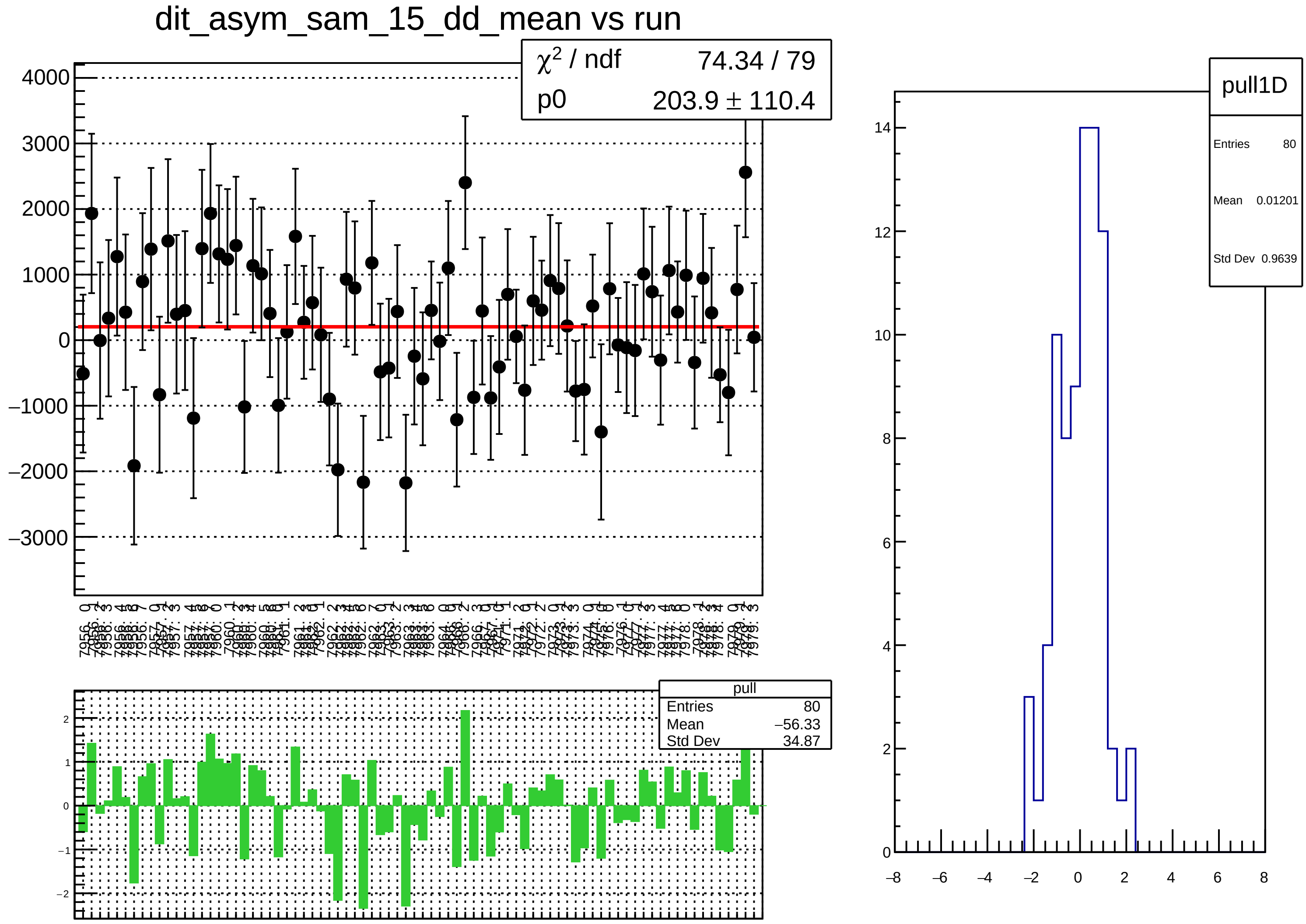


asym_sam_48_avg_correction_rms vs run
χ2 / ndf 1768 / 79
p0 2971 ± 2.356
3300
3200
3100
3000
2900
2800
2700

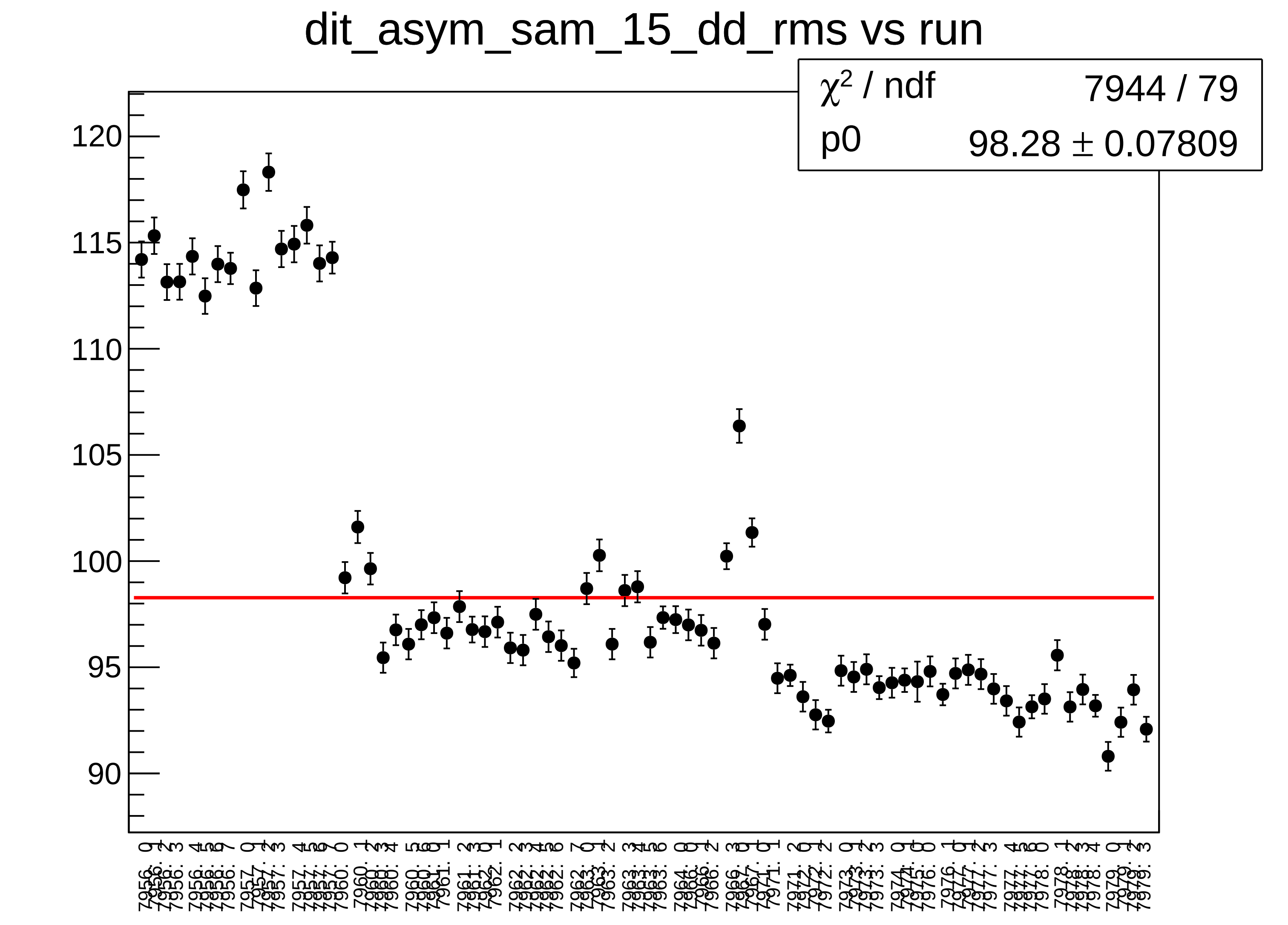


asym_sam_48_avg_mean vs run
χ2 / ndf 94.48 / 79
p0 −1831 ± 3319
pull
Entries 80
Mean −2.132e+04
Std Dev 2.135e+04
pull1D
Entries 80
Mean 0.0001605
Std Dev 1.087

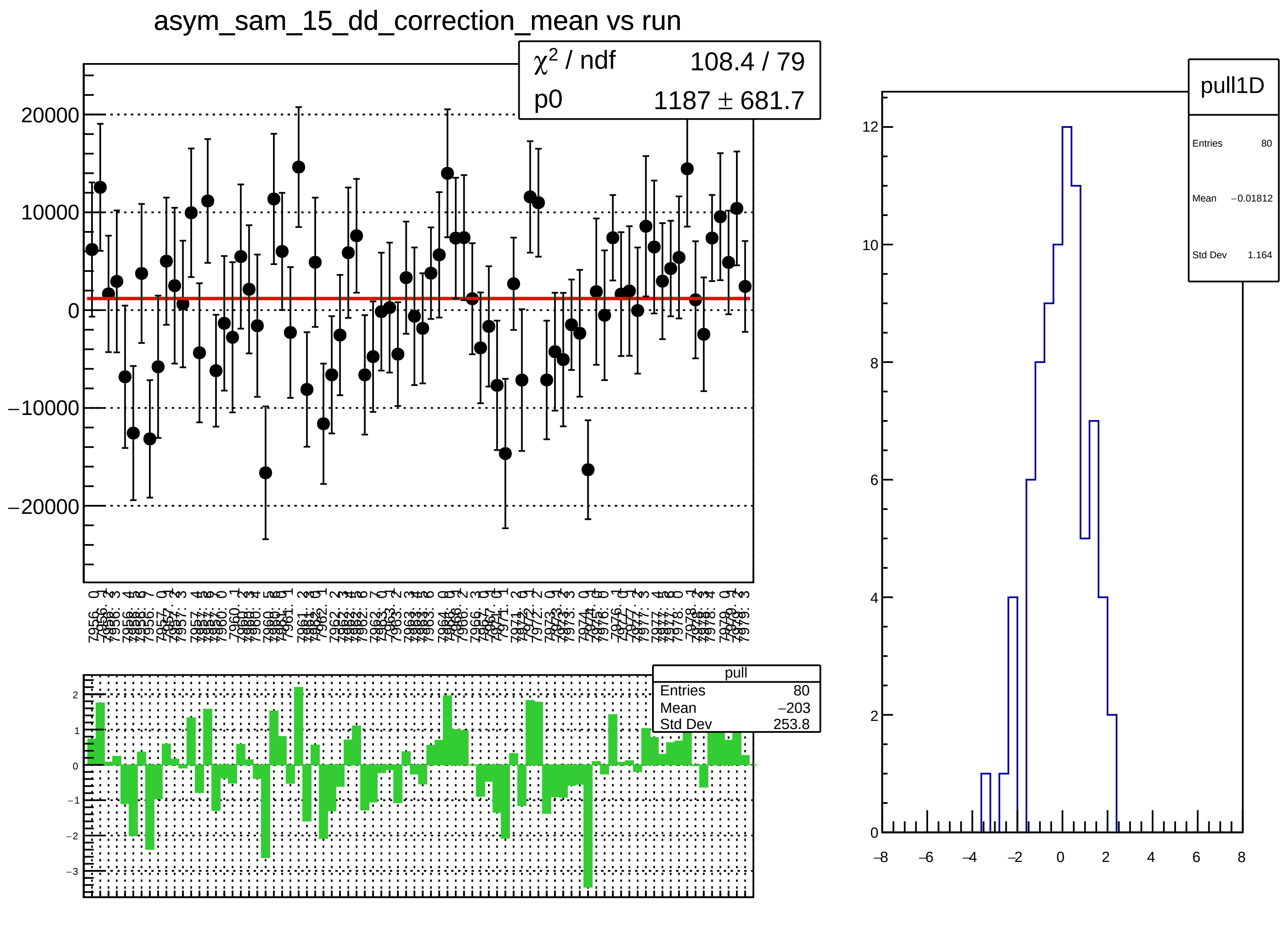

asym_sam_48_avg_rms vs run
χ2 / ndf 3369 / 79
p0 2958 ± 2.347
3800
3600
3400
3200
3000
2800
2600

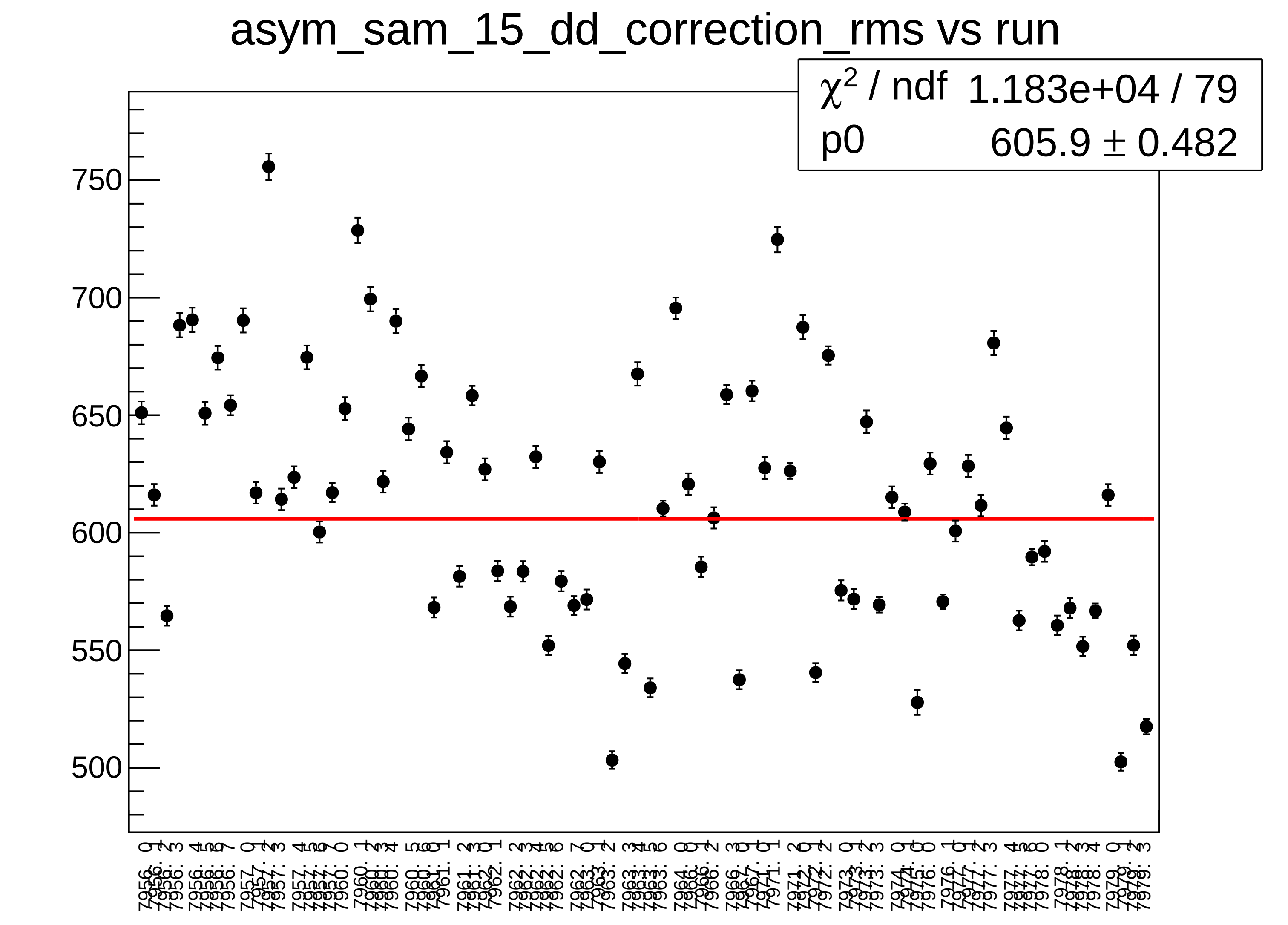


dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 74.34 / 79
p0 203.9 ± 110.4
pull
Entries 80
Mean −56.33
Std Dev 34.87
pull1D
Entries 80
Mean 0.01201
Std Dev 0.9639

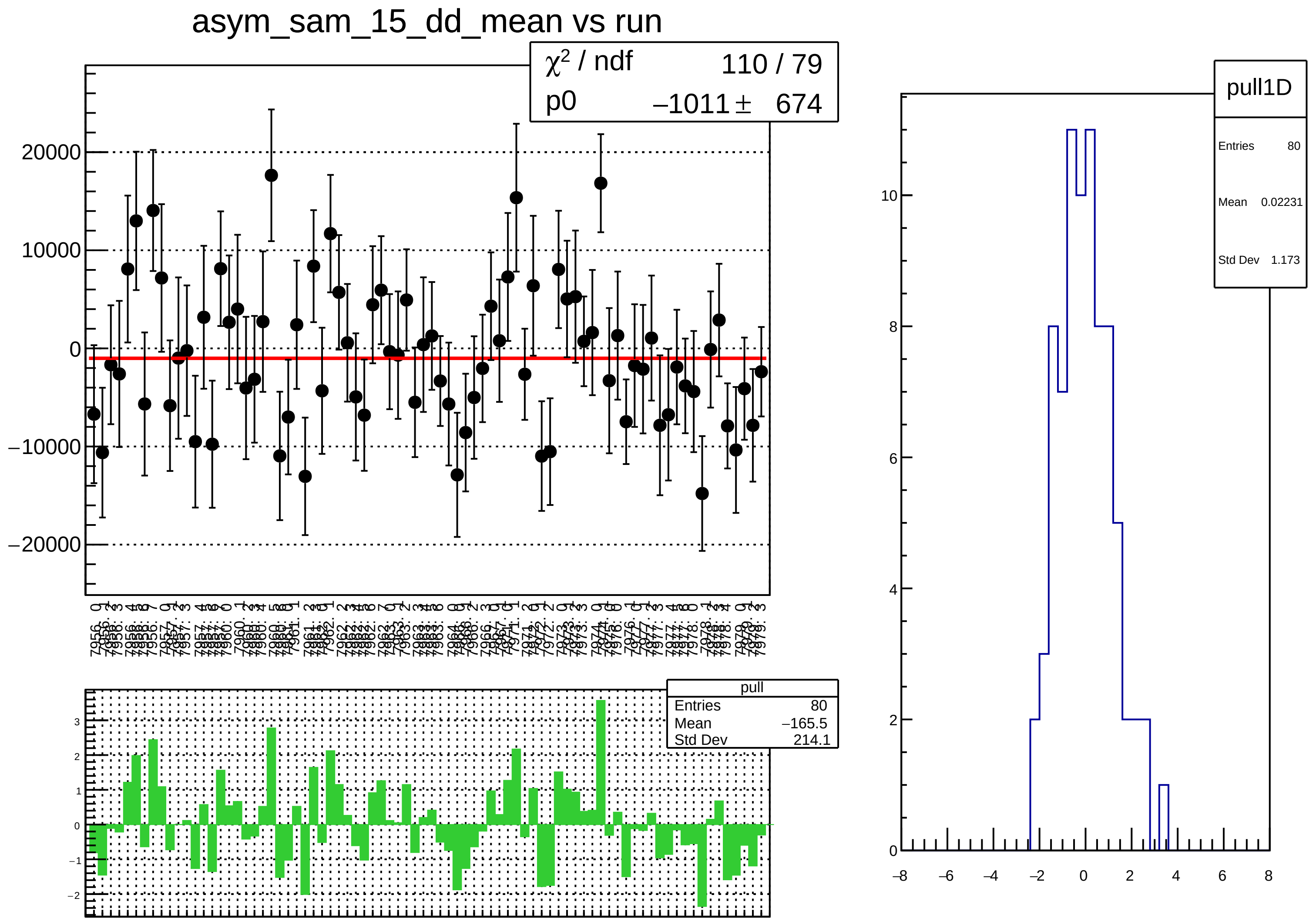


dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 7944 / 79
p0 98.28 ± 0.07809
120
115
110
105
100
95
90

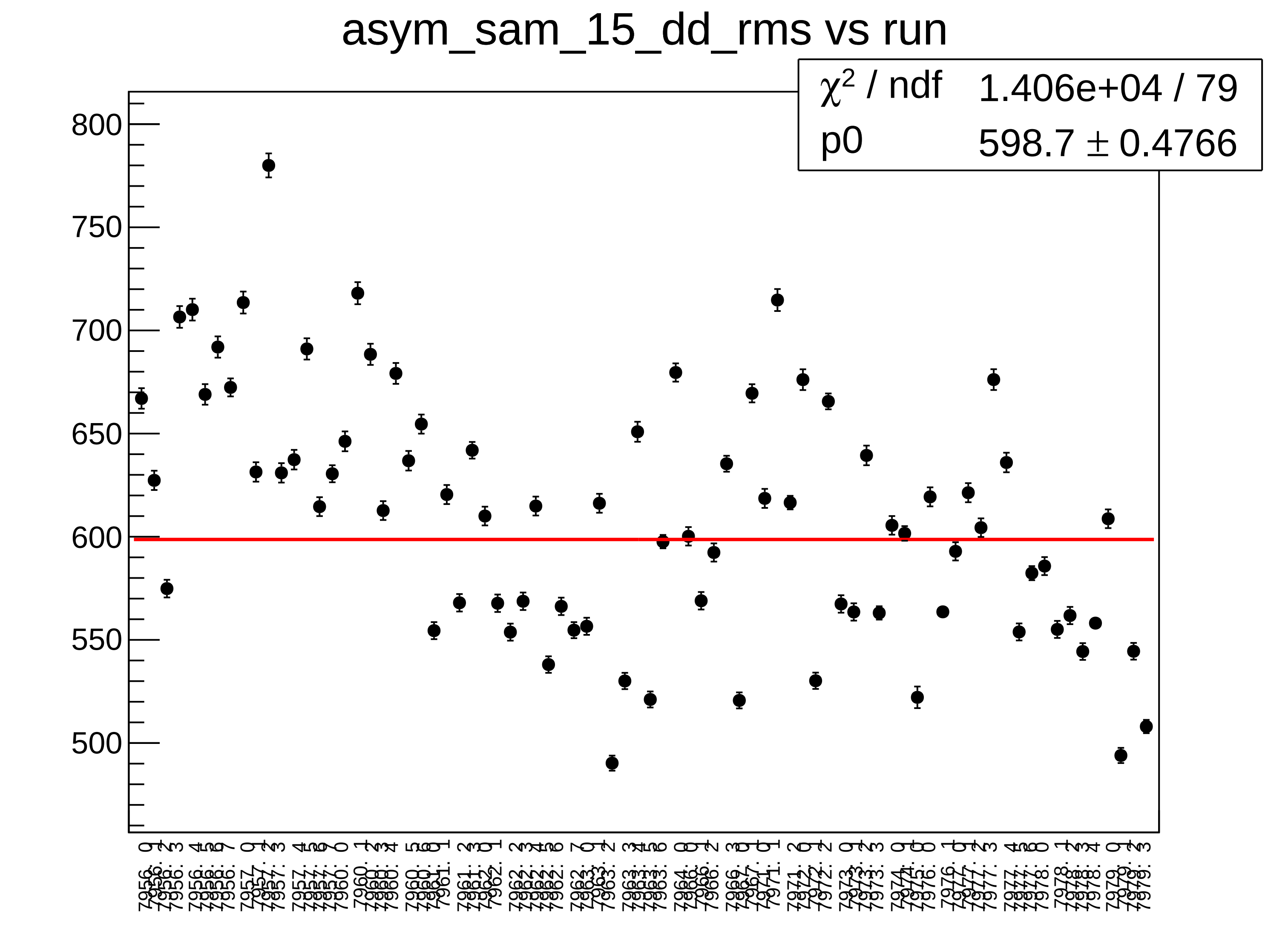

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 108.4 / 79
p0 1187 ± 681.7
pull
Entries 80
Mean −203
Std Dev 253.8
pull1D
Entries 80
Mean −0.01812
Std Dev 1.164



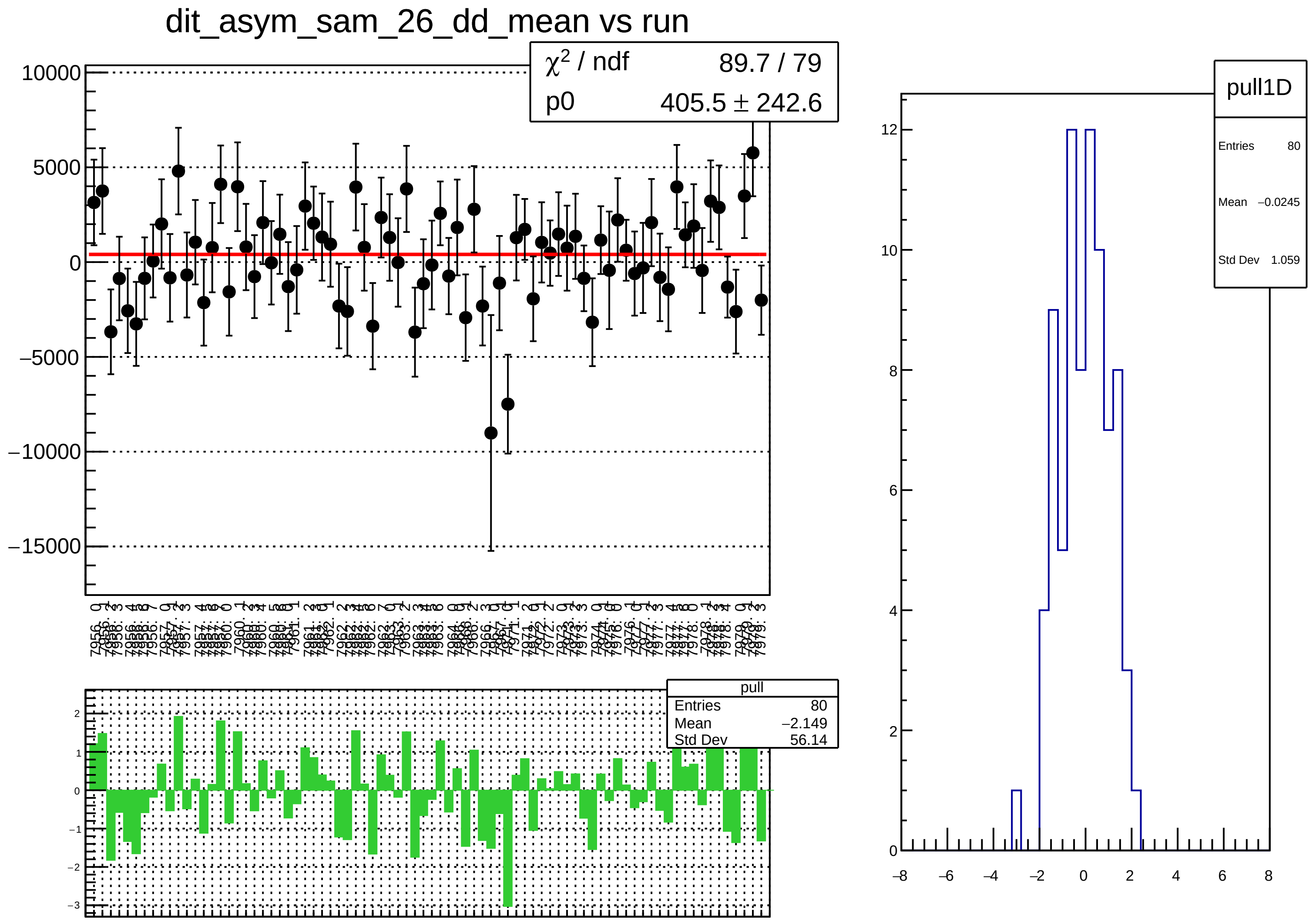
asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 1.183e+04 / 79
p0 605.9 ± 0.482
750
700
650
600
550
500



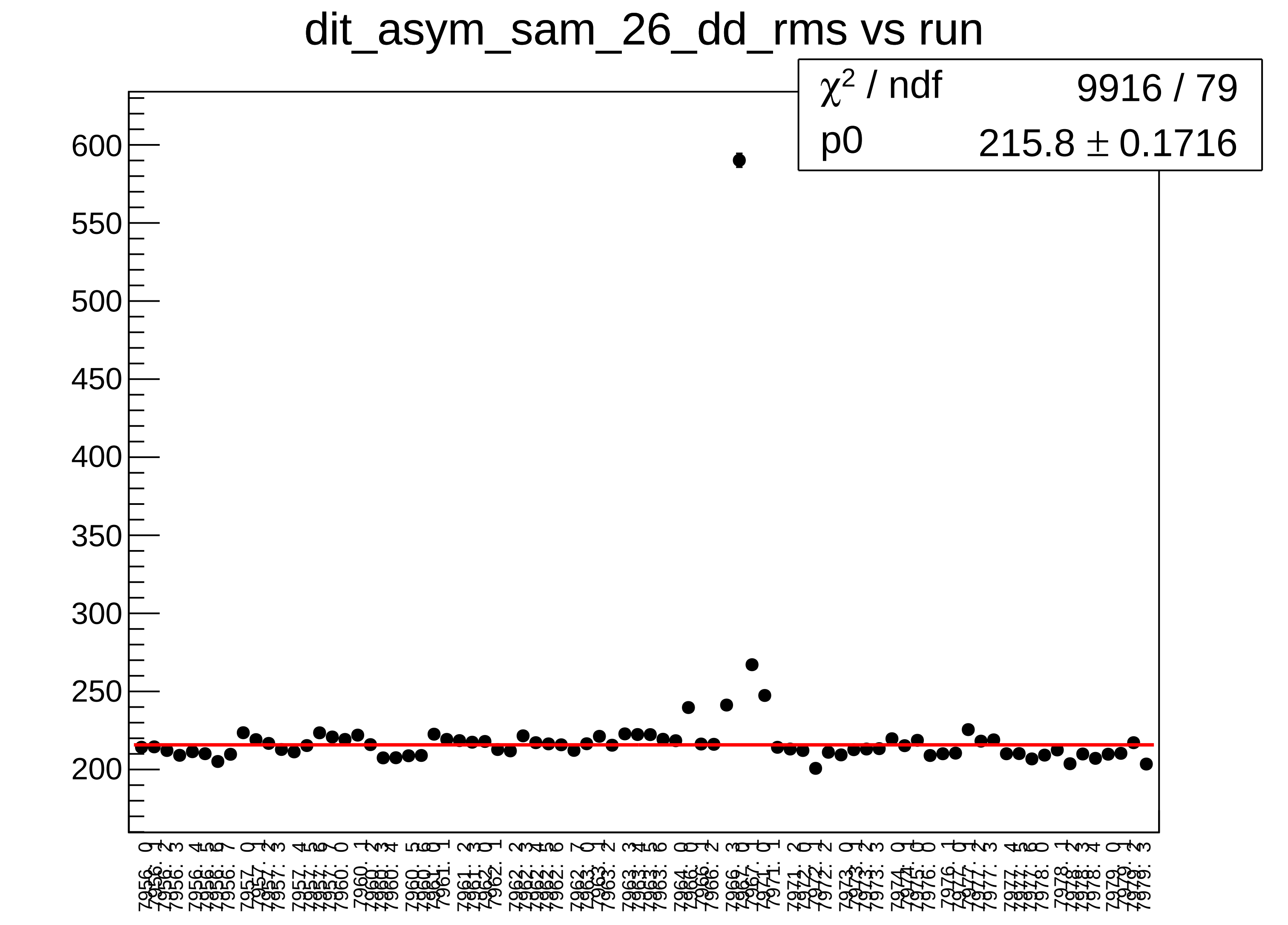
asym_sam_15_dd_mean vs run
χ^2 / ndf 110 / 79
p0 −1011 ± 674
pull
Entries 80
Mean −165.5
Std Dev 214.1
pull1D
Entries 80
Mean 0.02231
Std Dev 1.173



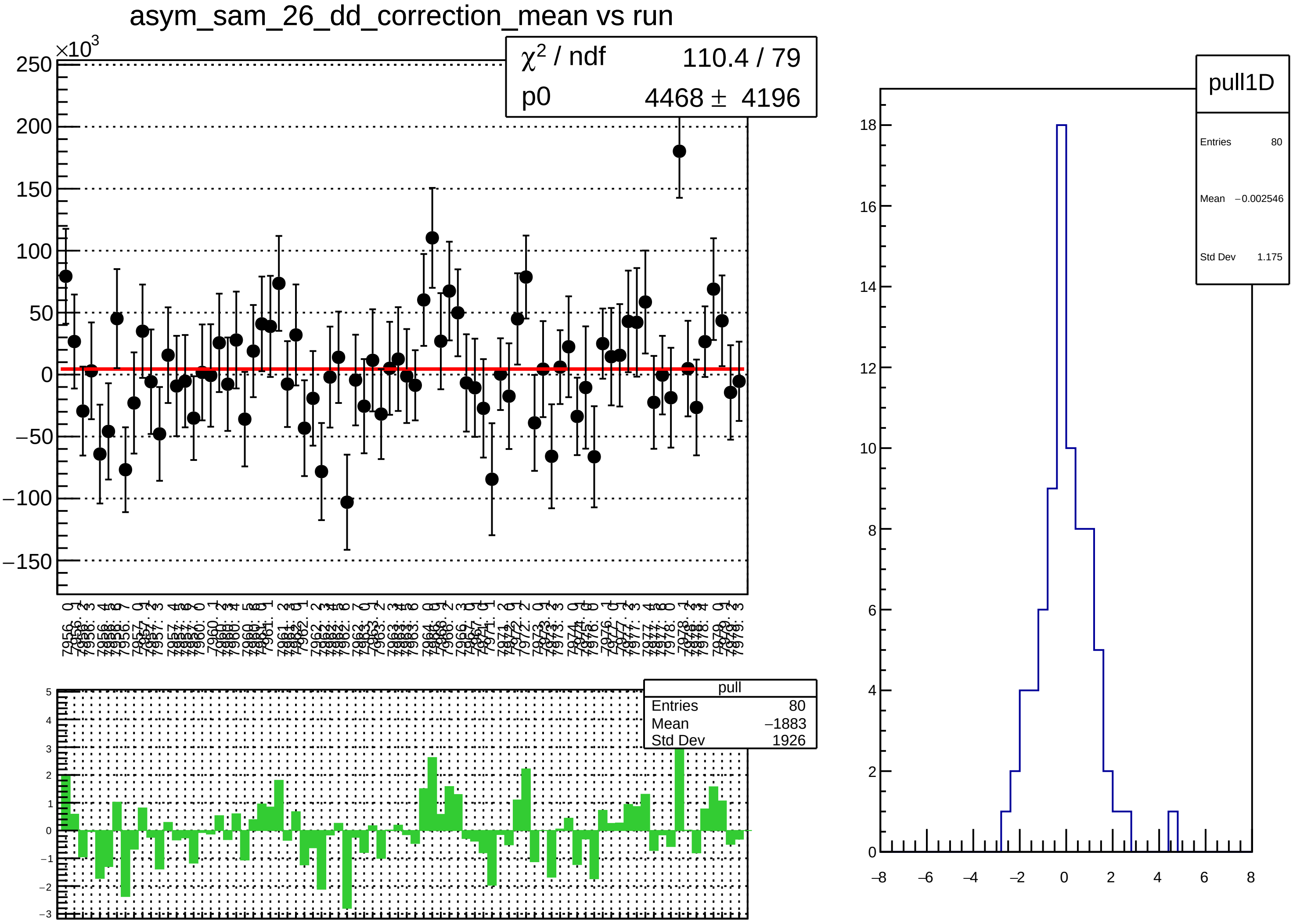
asym_sam_15_dd_rms vs run
χ^2 / ndf 1.406e+04 / 79
p0 598.7 ± 0.4766
800
750
700
650
600
550
500

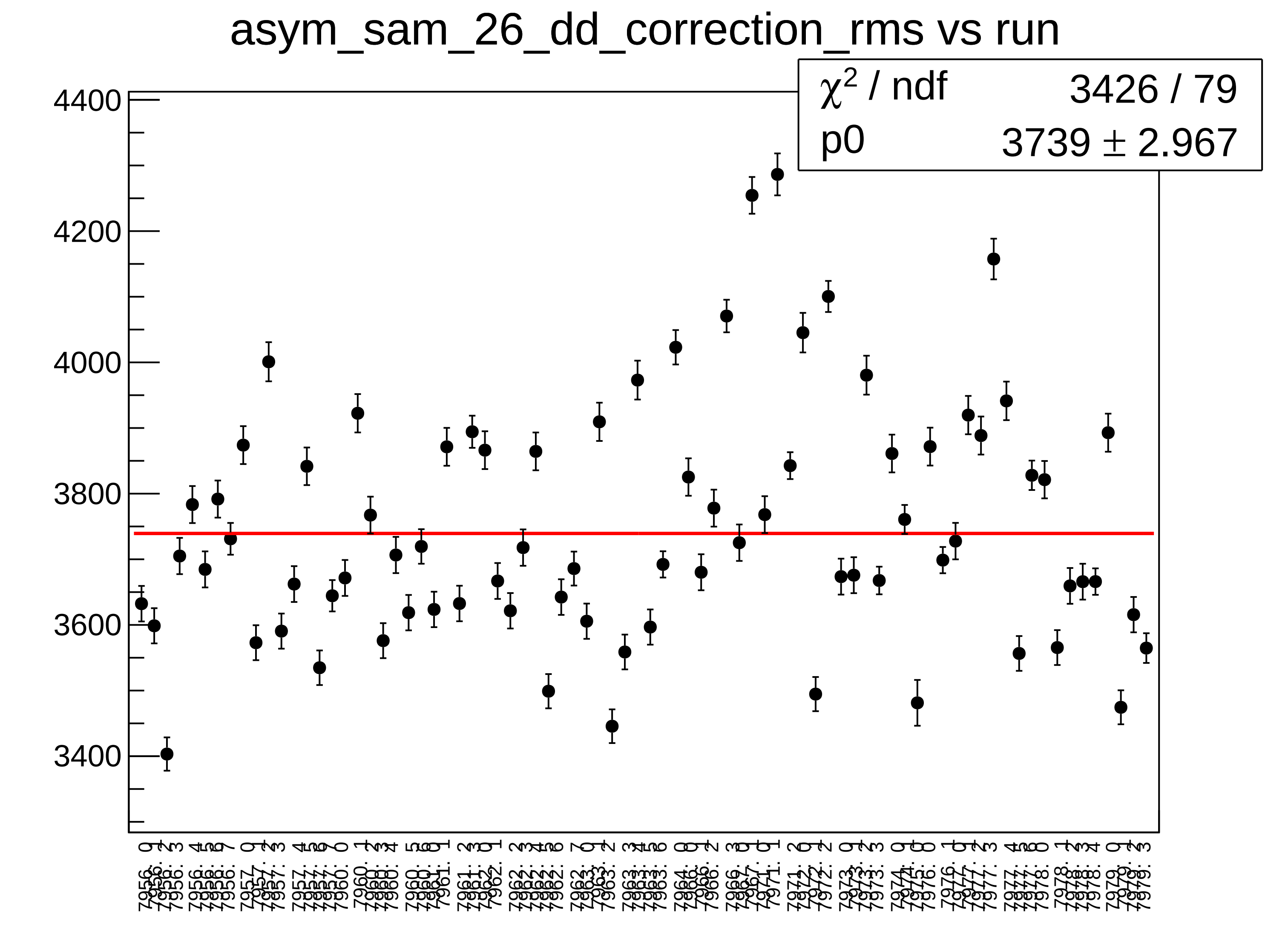


dit_asym_sam_26_dd_mean vs run
χ2 / ndf 89.7 / 79
p0 405.5 ± 242.6
pull
Entries 80
Mean −2.149
Std Dev 56.14
pull1D
Entries 80
Mean −0.0245
Std Dev 1.059

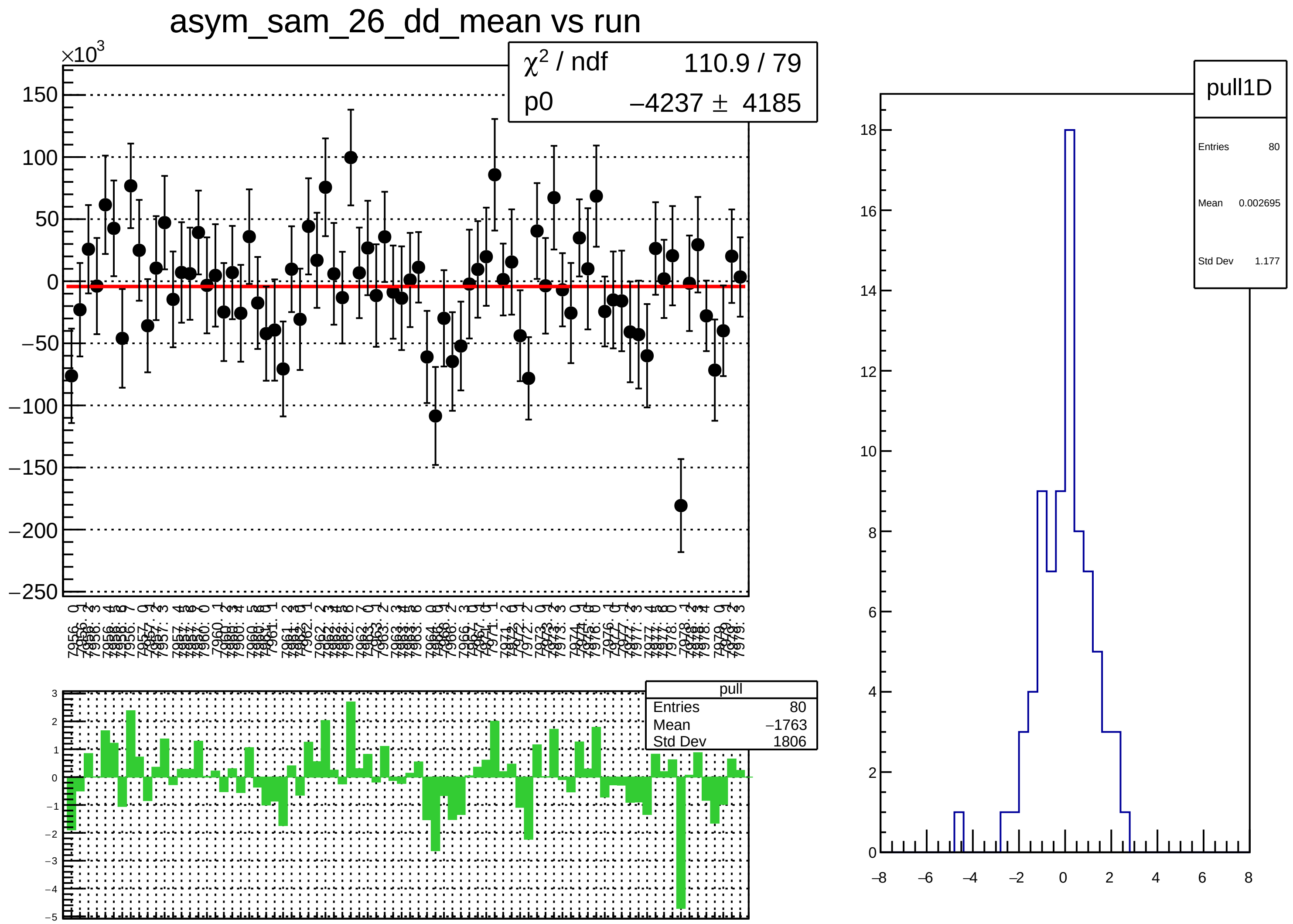


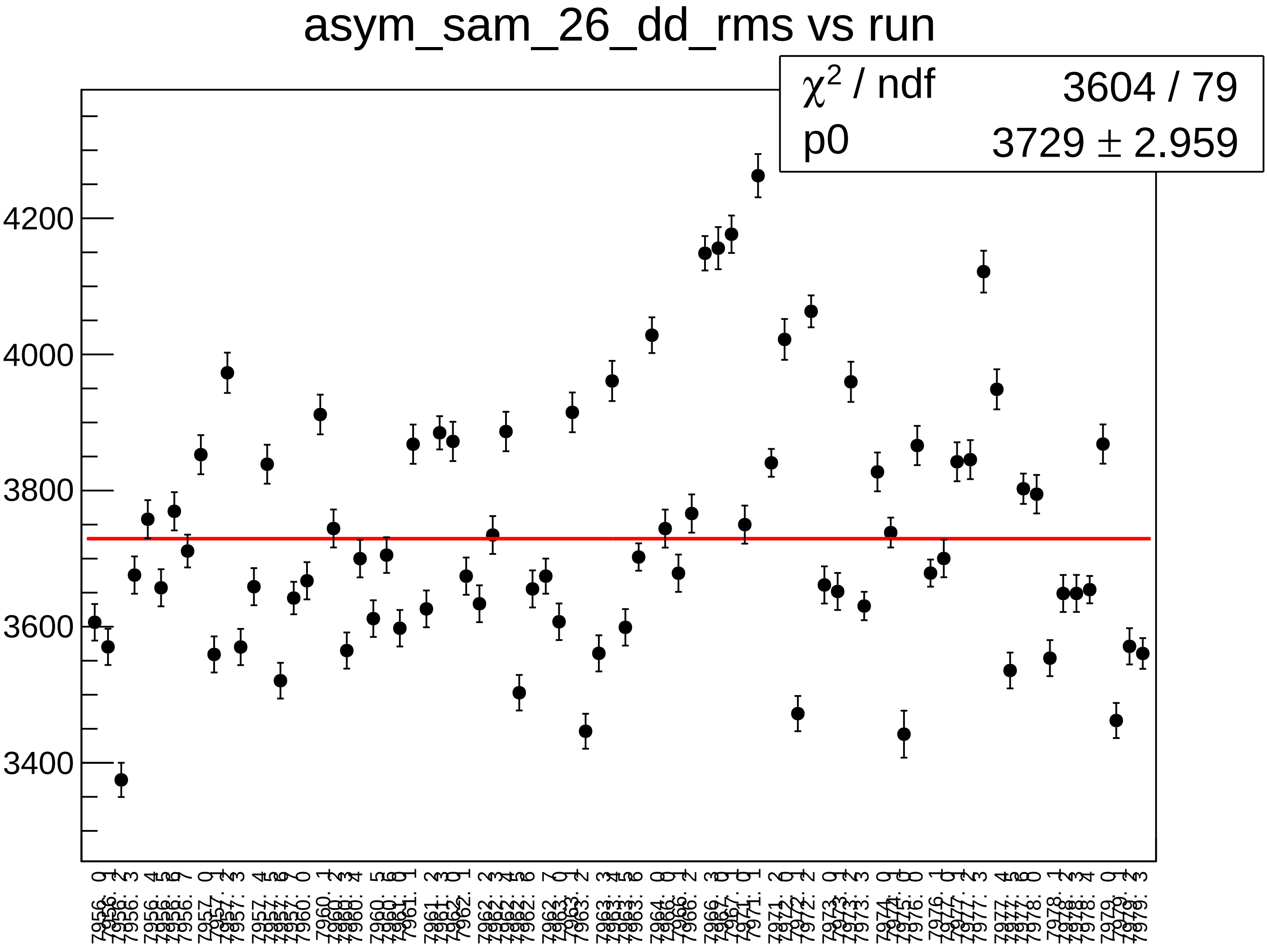
dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 9916 / 79
p0 215.8 ± 0.1716
600
550
500
450
400
350
300
250
200


asym_sam_26_dd_correction_mean vs run
$\times 10^3$
χ^2 / ndf 110.4 / 79
p0 4468 ± 4196
250
200
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −1883
Std Dev 1926
pull1D
Entries 80
Mean −0.002546
Std Dev 1.175

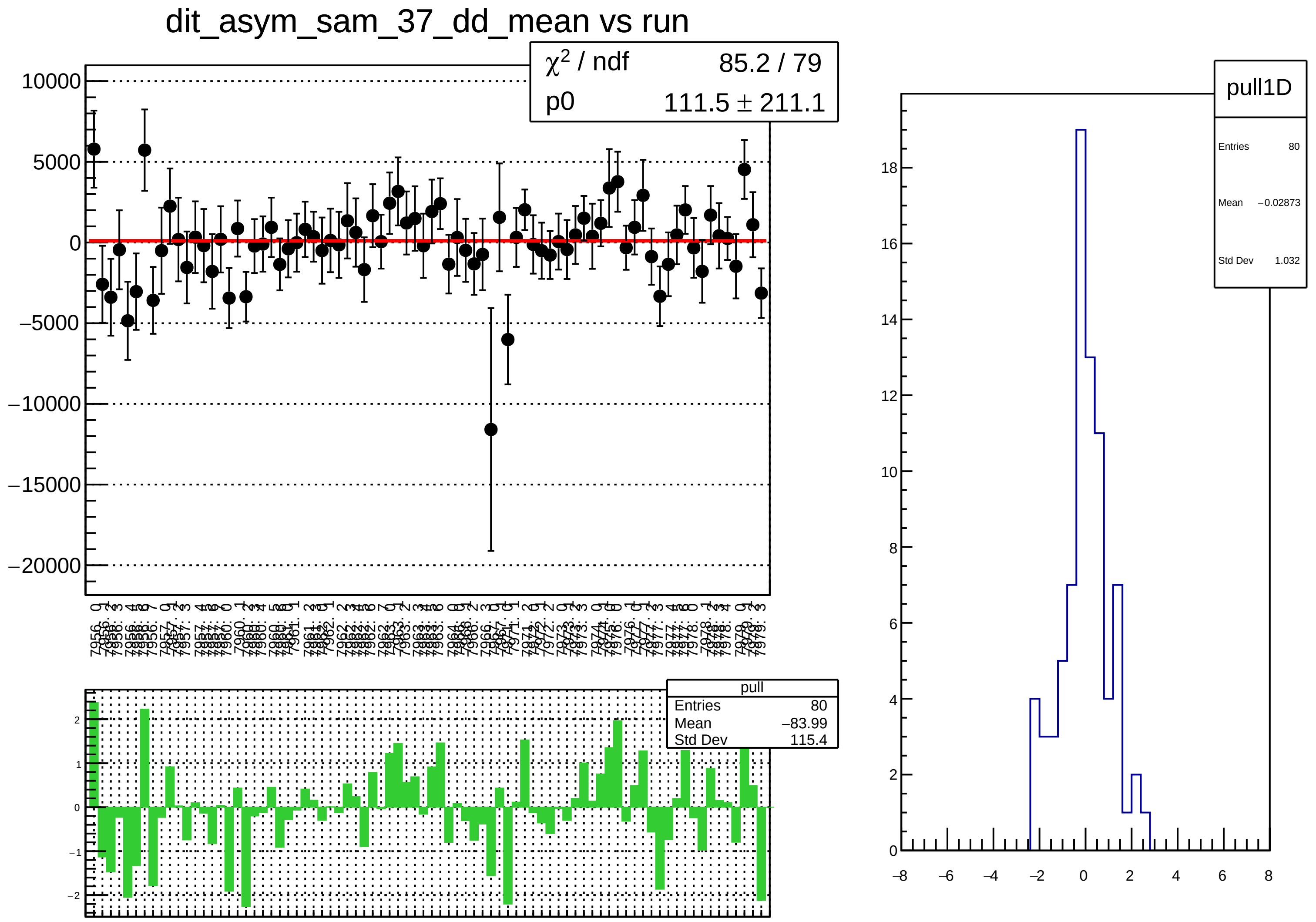


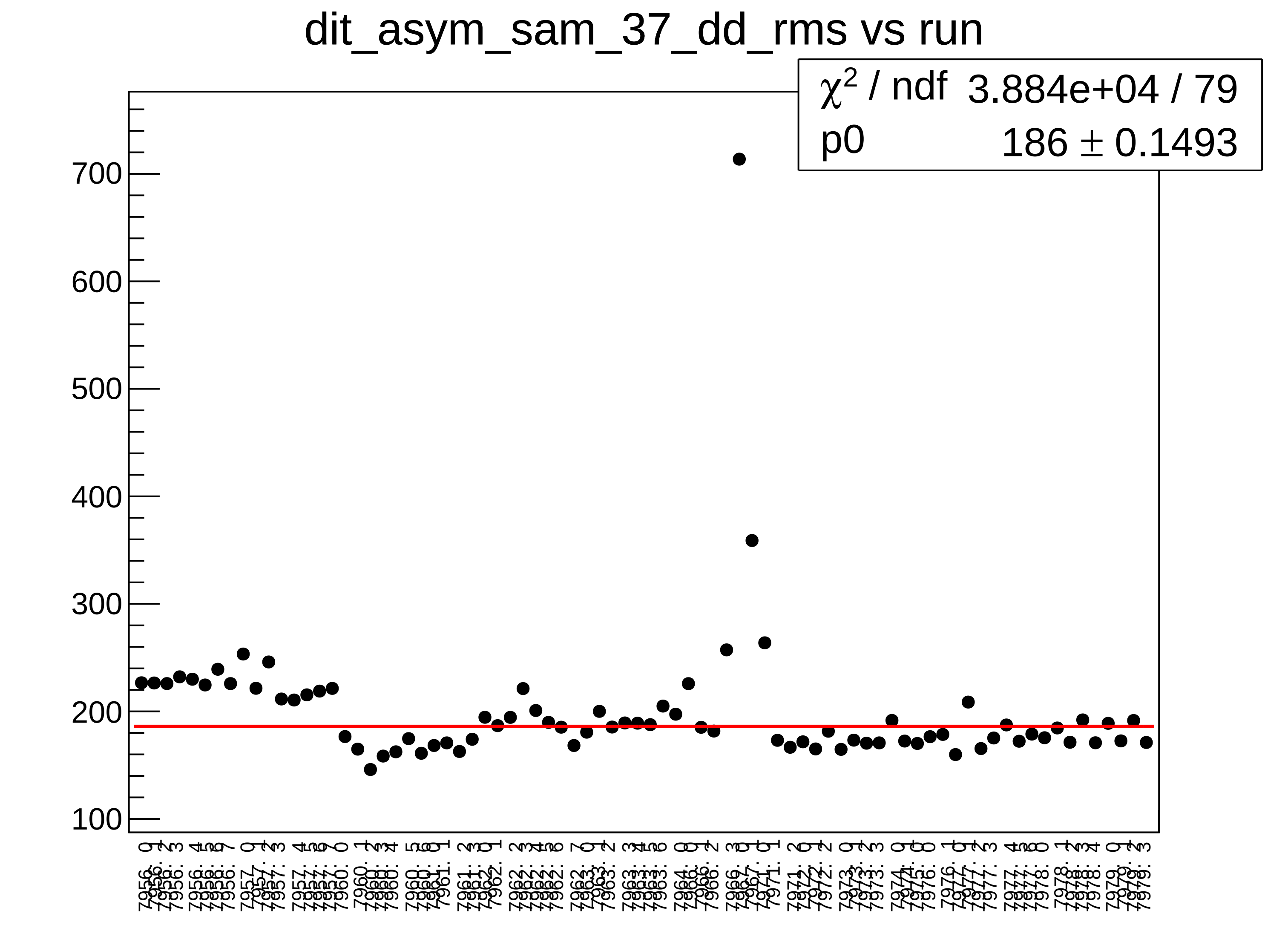
asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 3426 / 79
p0 3739 ± 2.967
4400
4200
4000
3800
3600
3400


asym_sam_26_dd_mean vs run
$\times10^3$
χ^2 / ndf 110.9 / 79
p0 −4237 ± 4185
pull
Entries 80
Mean −1763
Std Dev 1806
pull1D
Entries 80
Mean 0.002695
Std Dev 1.177

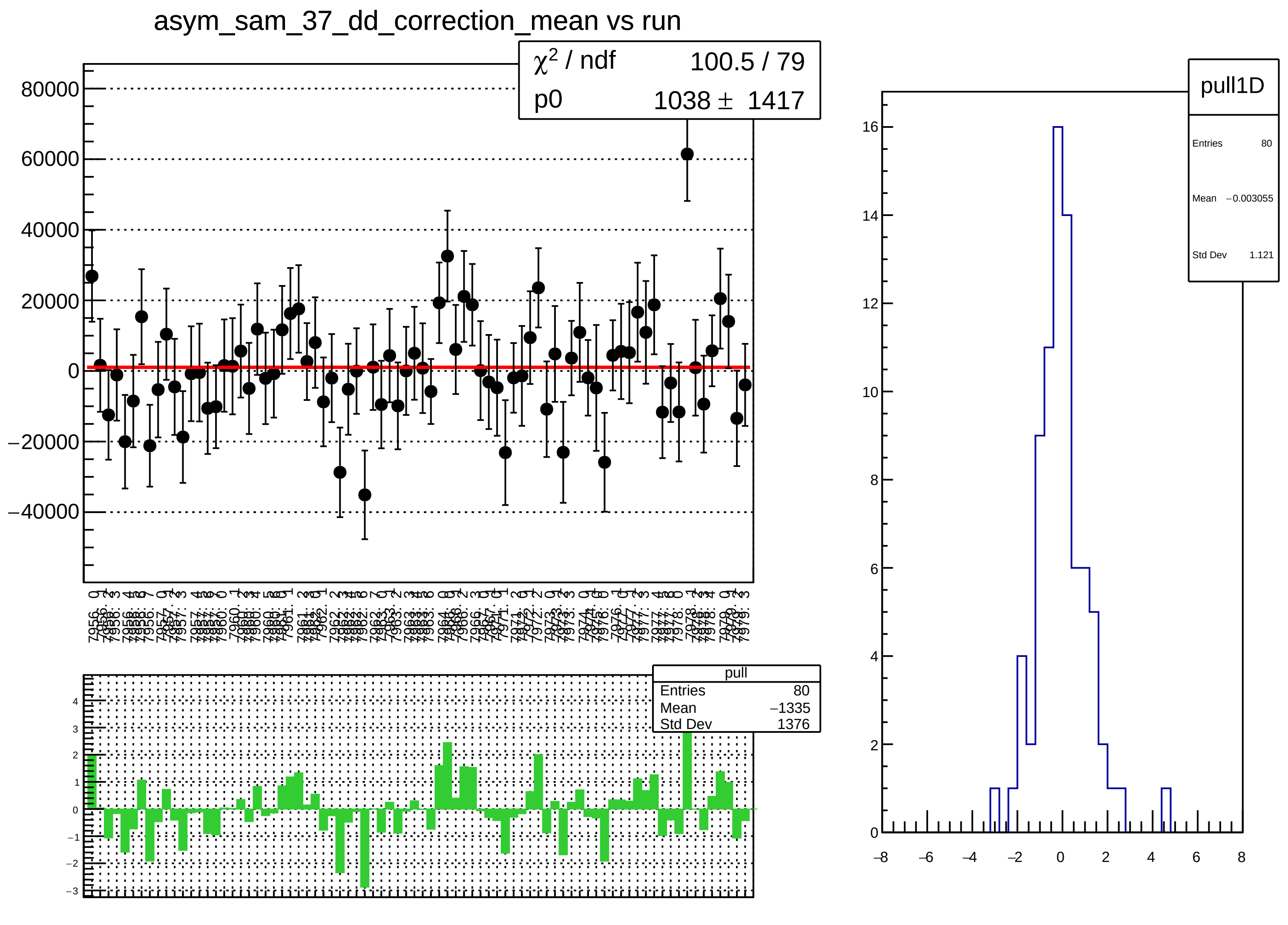


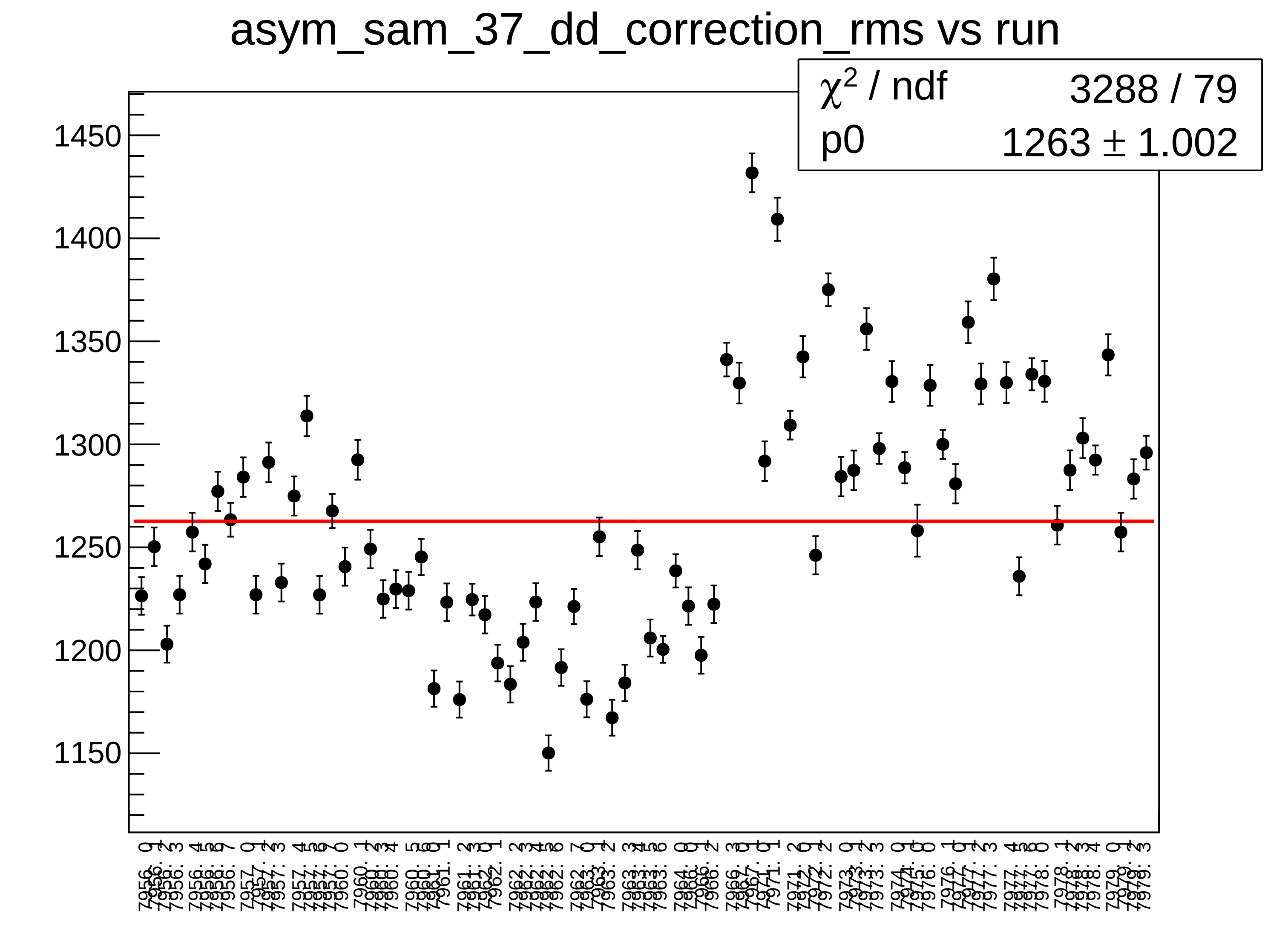
asym_sam_26_dd_rms vs run
χ^2 / ndf 3604 / 79
p0 3729 ± 2.959
4200
4000
3800
3600
3400


dit_asym_sam_37_dd_mean vs run
χ2 / ndf 85.2 / 79
p0 111.5 ± 211.1
pull
Entries 80
Mean −83.99
Std Dev 115.4
pull1D
Entries 80
Mean −0.02873
Std Dev 1.032

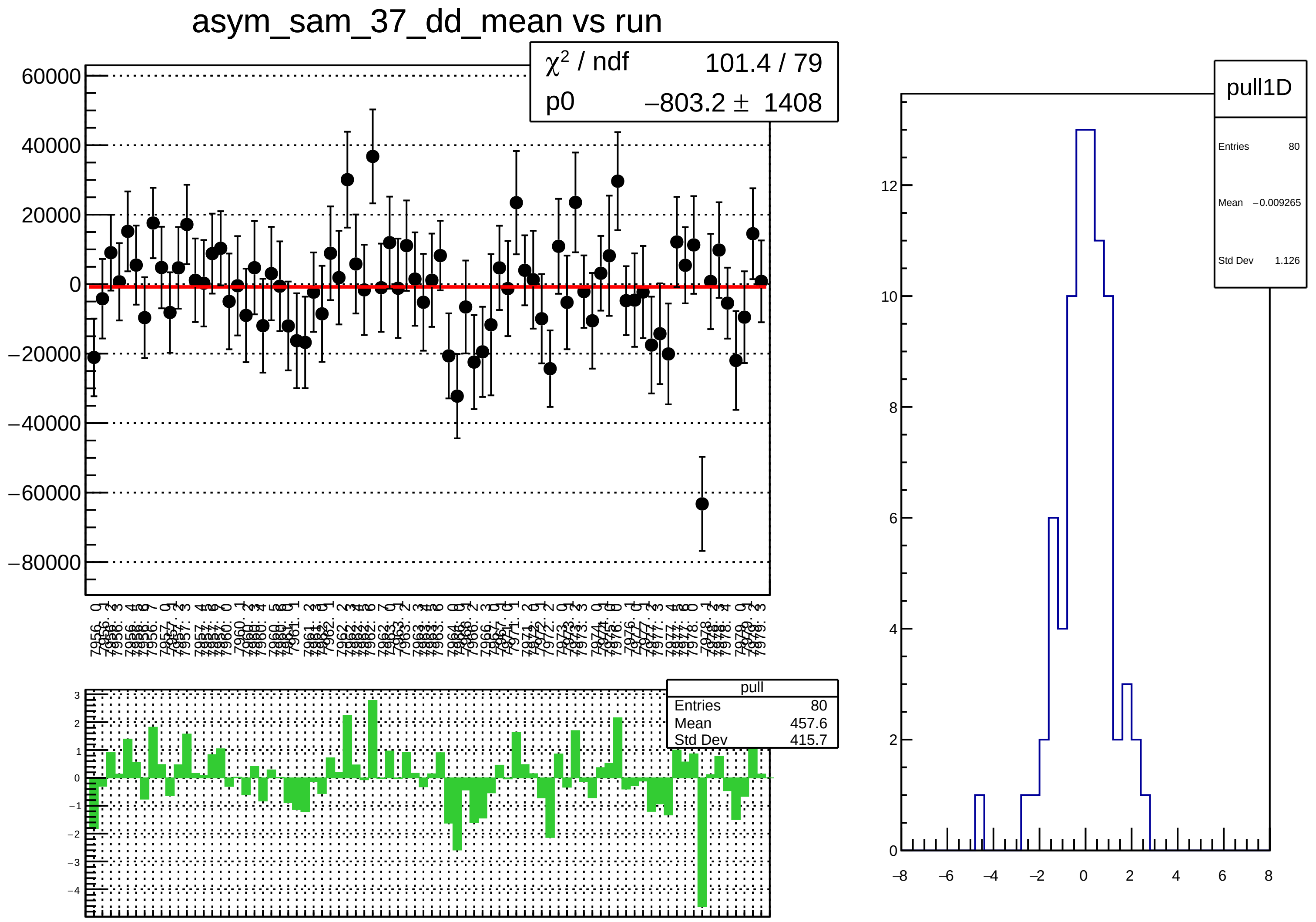


dit_asym_sam_37_dd_rms vs run
χ2 / ndf 3.884e+04 / 79
p0 186 ± 0.1493
700
600
500
400
300
200
100

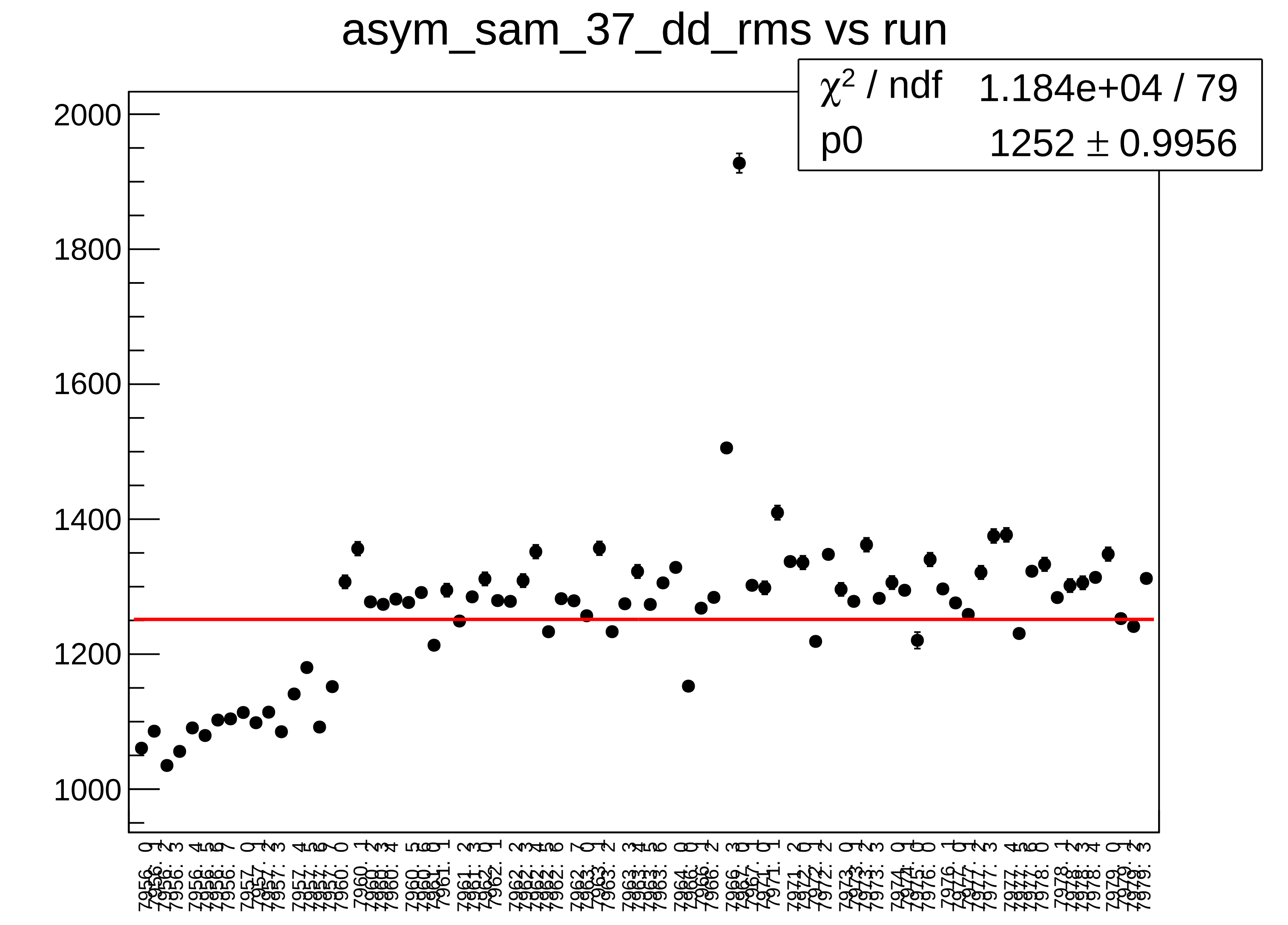

asym_sam_37_dd_correction_mean vs run
χ2 / ndf 100.5 / 79
p0 1038 ± 1417
pull
Entries 80
Mean −1335
Std Dev 1376
pull1D
Entries 80
Mean −0.003055
Std Dev 1.121



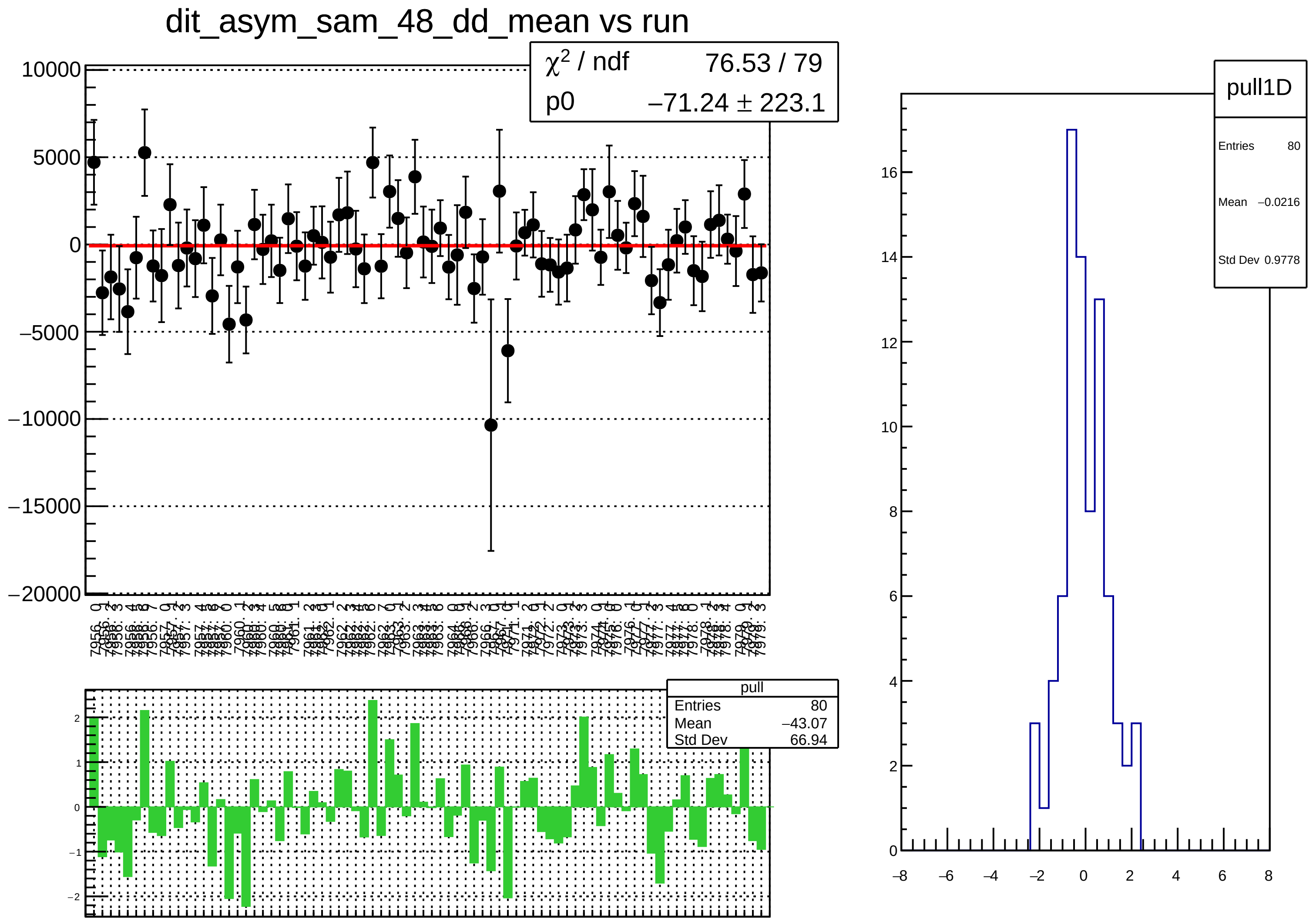
asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 3288 / 79
p0 1263 ± 1.002
1450
1400
1350
1300
1250
1200
1150



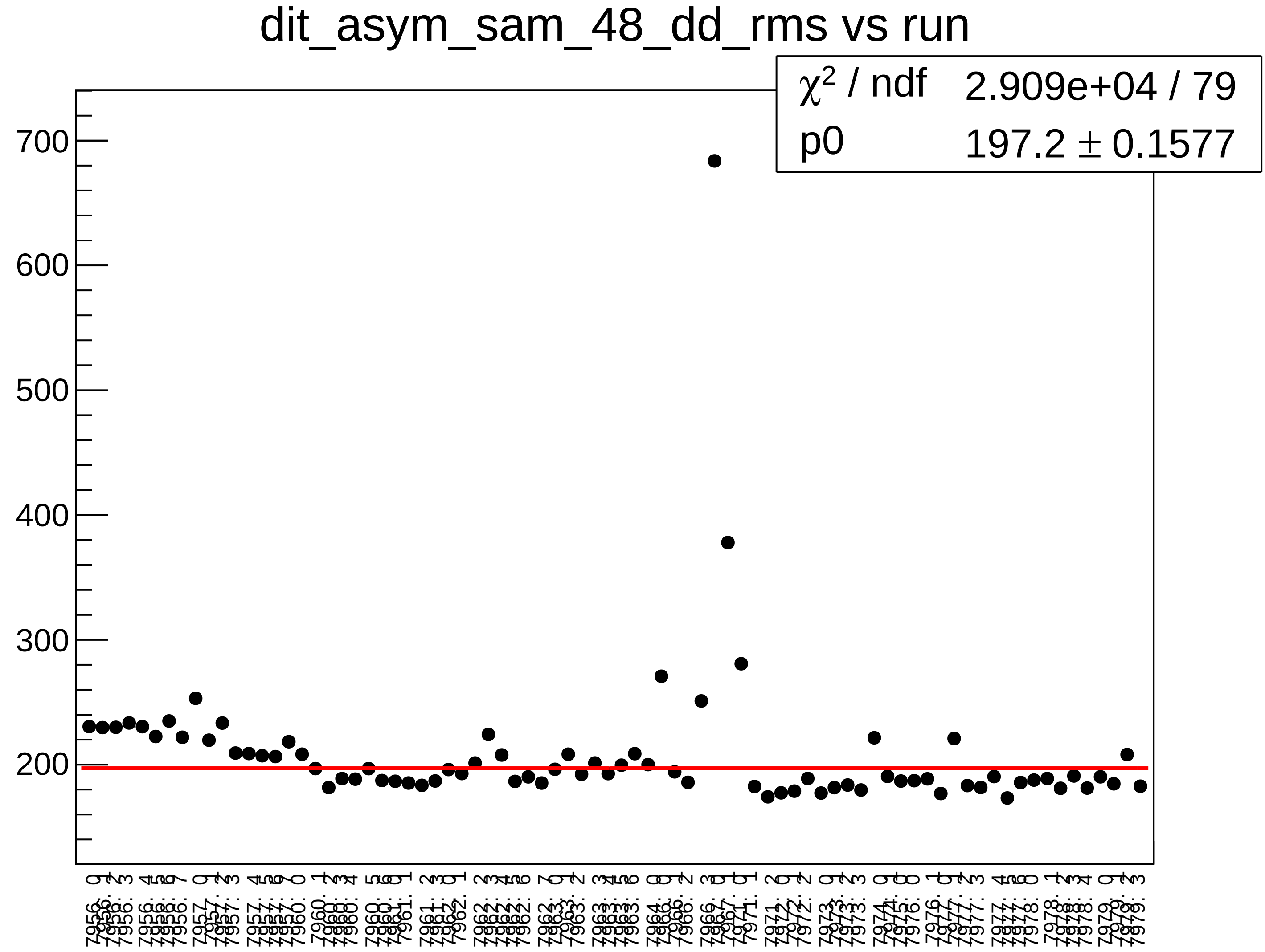
asym_sam_37_dd_mean vs run
χ2 / ndf 101.4 / 79
p0 −803.2 ± 1408
pull
Entries 80
Mean 457.6
Std Dev 415.7
pull1D
Entries 80
Mean −0.009265
Std Dev 1.126

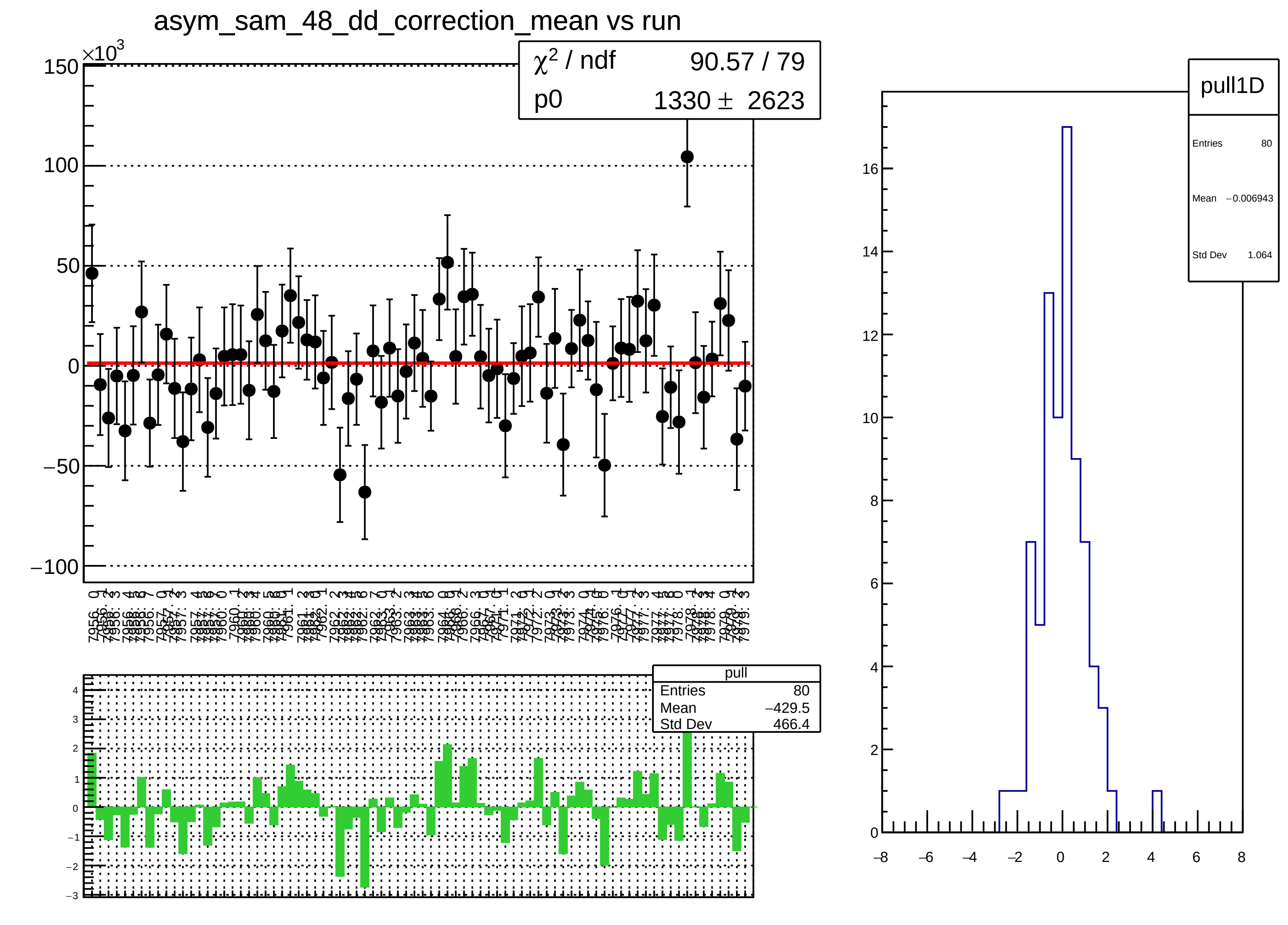


asym_sam_37_dd_rms vs run
χ^2 / ndf 1.184e+04 / 79
p0 1252 ± 0.9956

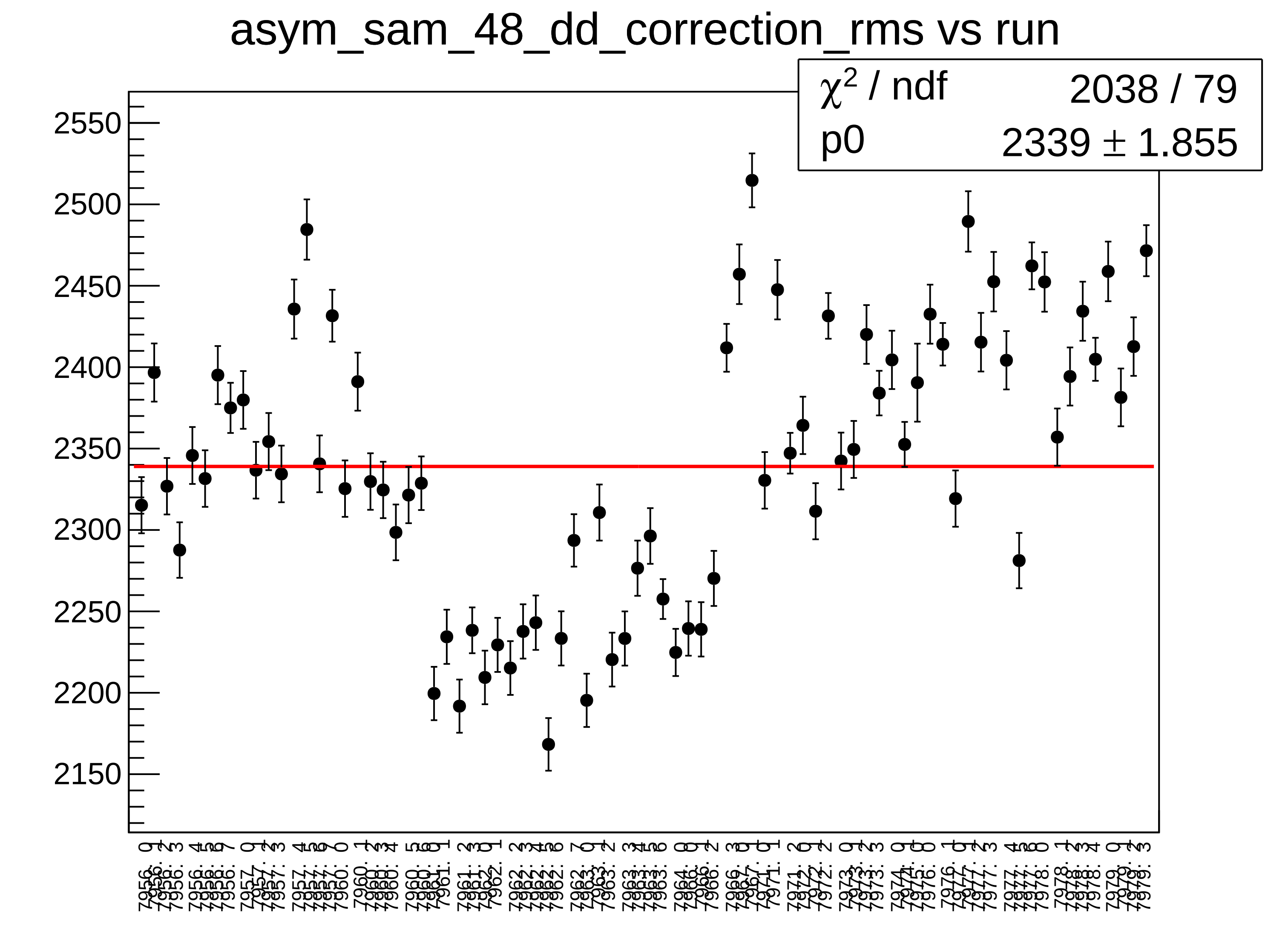


dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 76.53 / 79
p0 −71.24 ± 223.1
pull
Entries 80
Mean −43.07
Std Dev 66.94
pull1D
Entries 80
Mean −0.0216
Std Dev 0.9778

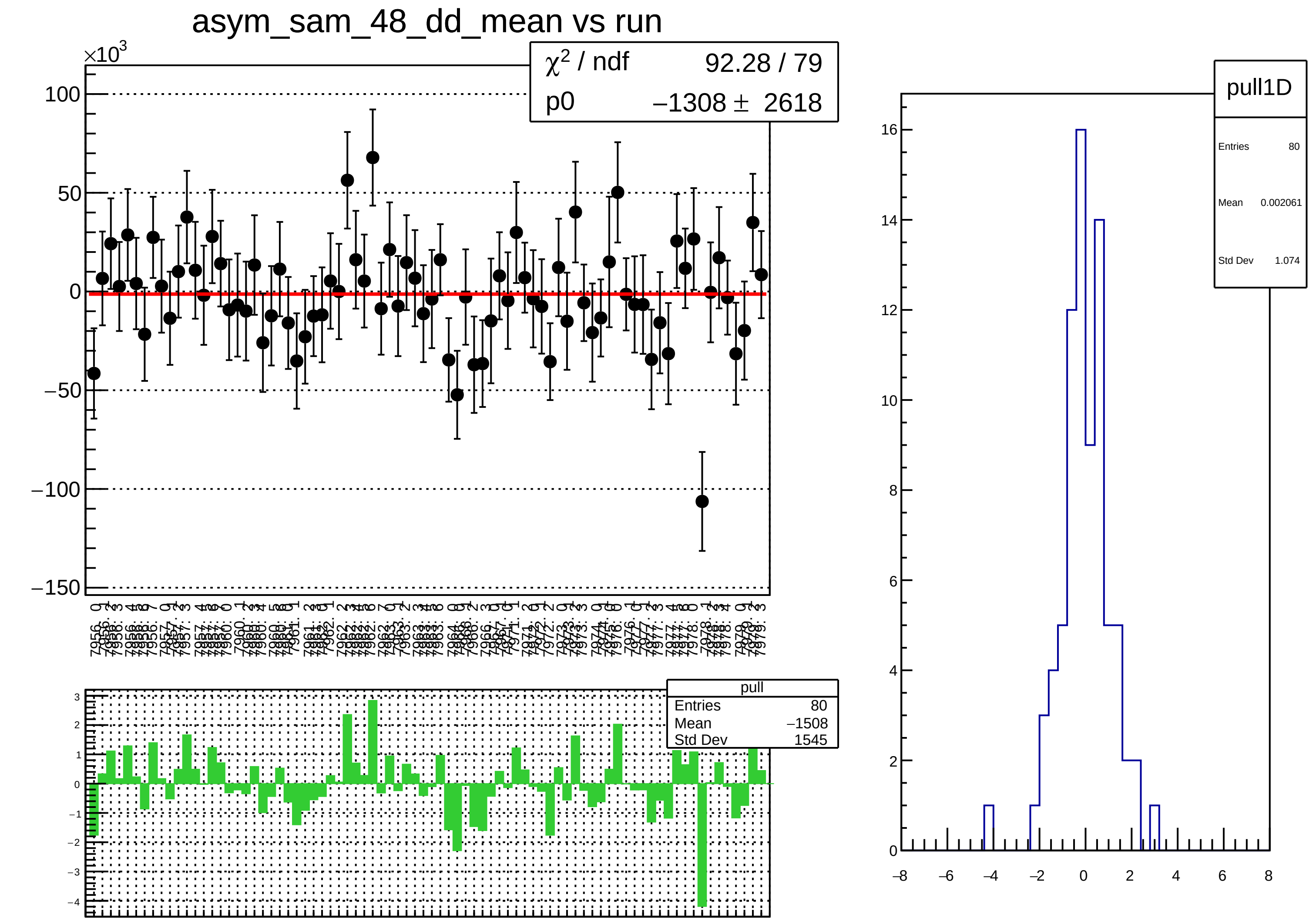

dit_asym_sam_48_dd_rms vs run
χ2 / ndf 2.909e+04 / 79
p0 197.2 ± 0.1577
700
600
500
400
300
200



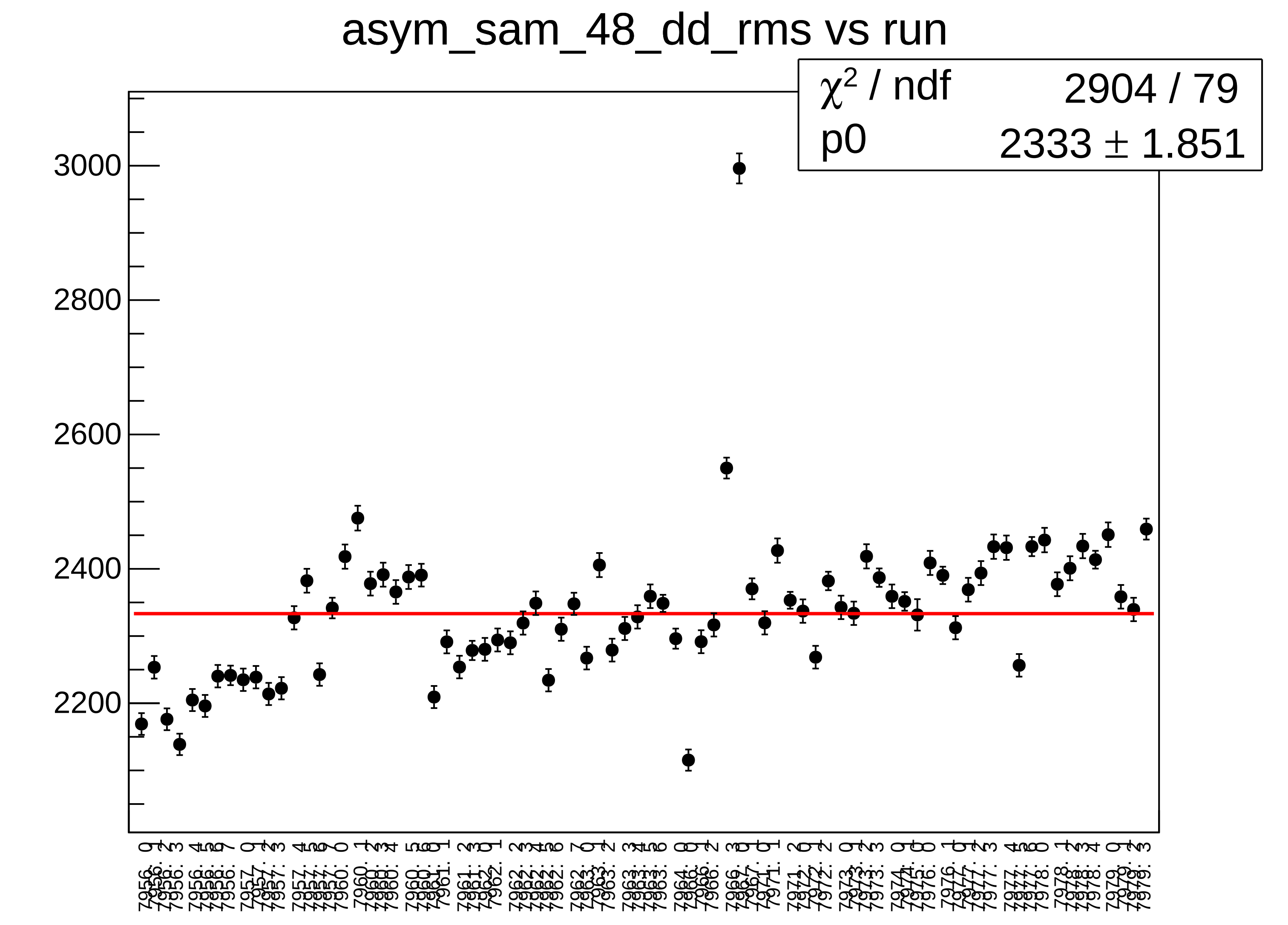
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 90.57 / 79
p0 1330 ± 2623
pull
Entries 80
Mean −429.5
Std Dev 466.4
pull1D
Entries 80
Mean −0.006943
Std Dev 1.064



asym_sam_48_dd_correction_rms vs run
χ2 / ndf 2038 / 79
p0 2339 ± 1.855

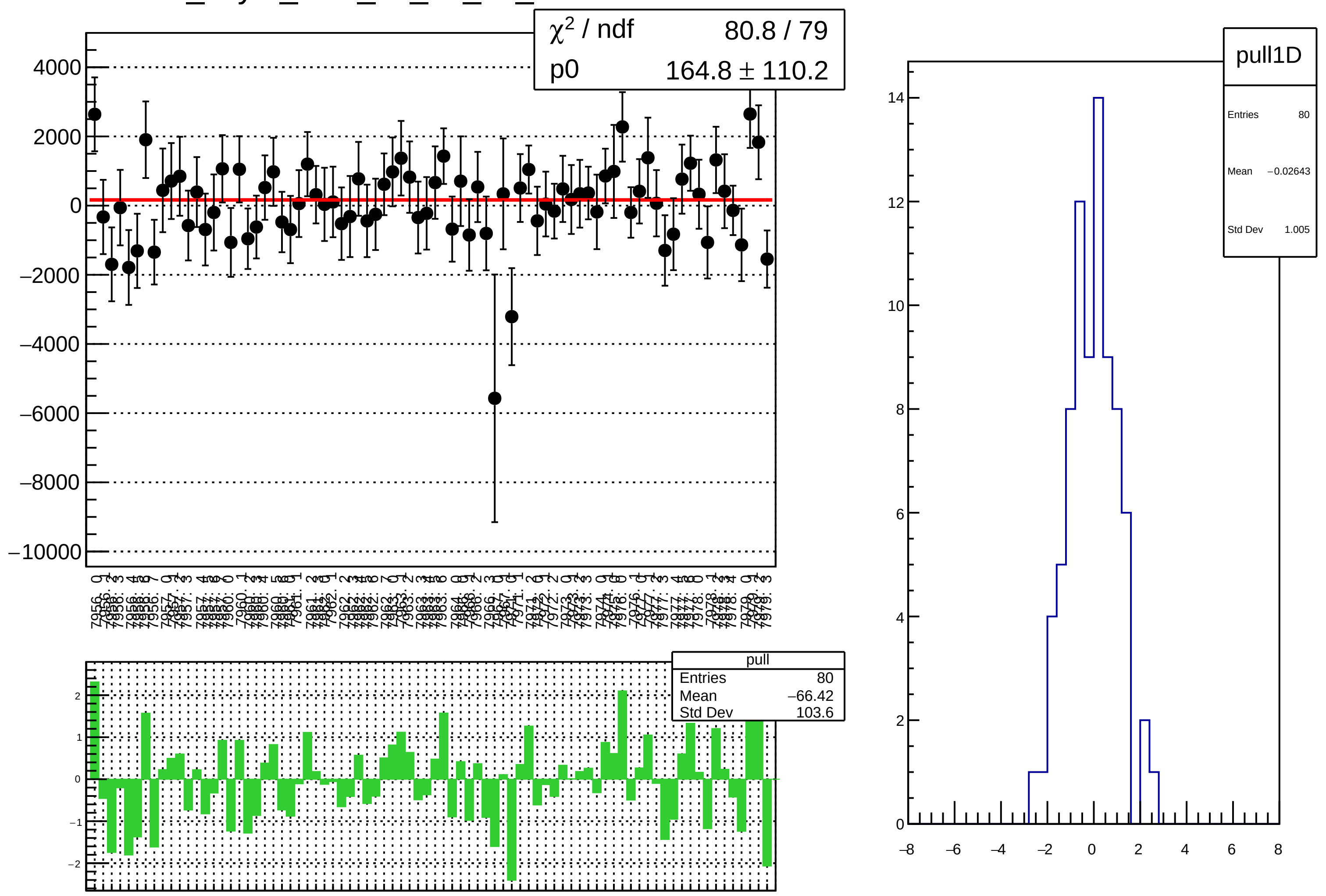


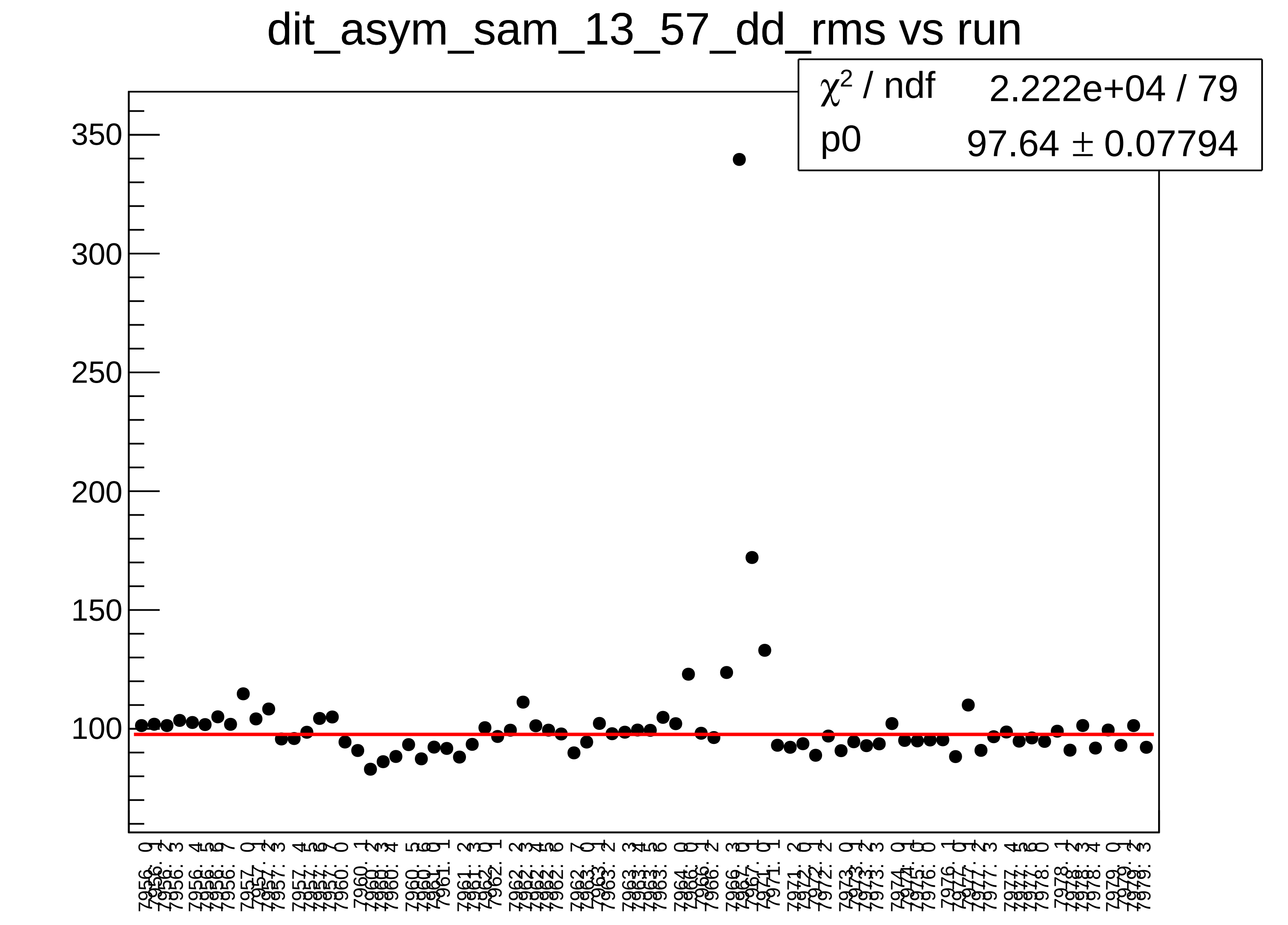
asym_sam_48_dd_mean vs run
×10^3
χ2 / ndf 92.28 / 79
p0 −1308 ± 2618
100
50
0
−50
−100
−150
pull
Entries 80
Mean −1508
Std Dev 1545
pull1D
Entries 80
Mean 0.002061
Std Dev 1.074



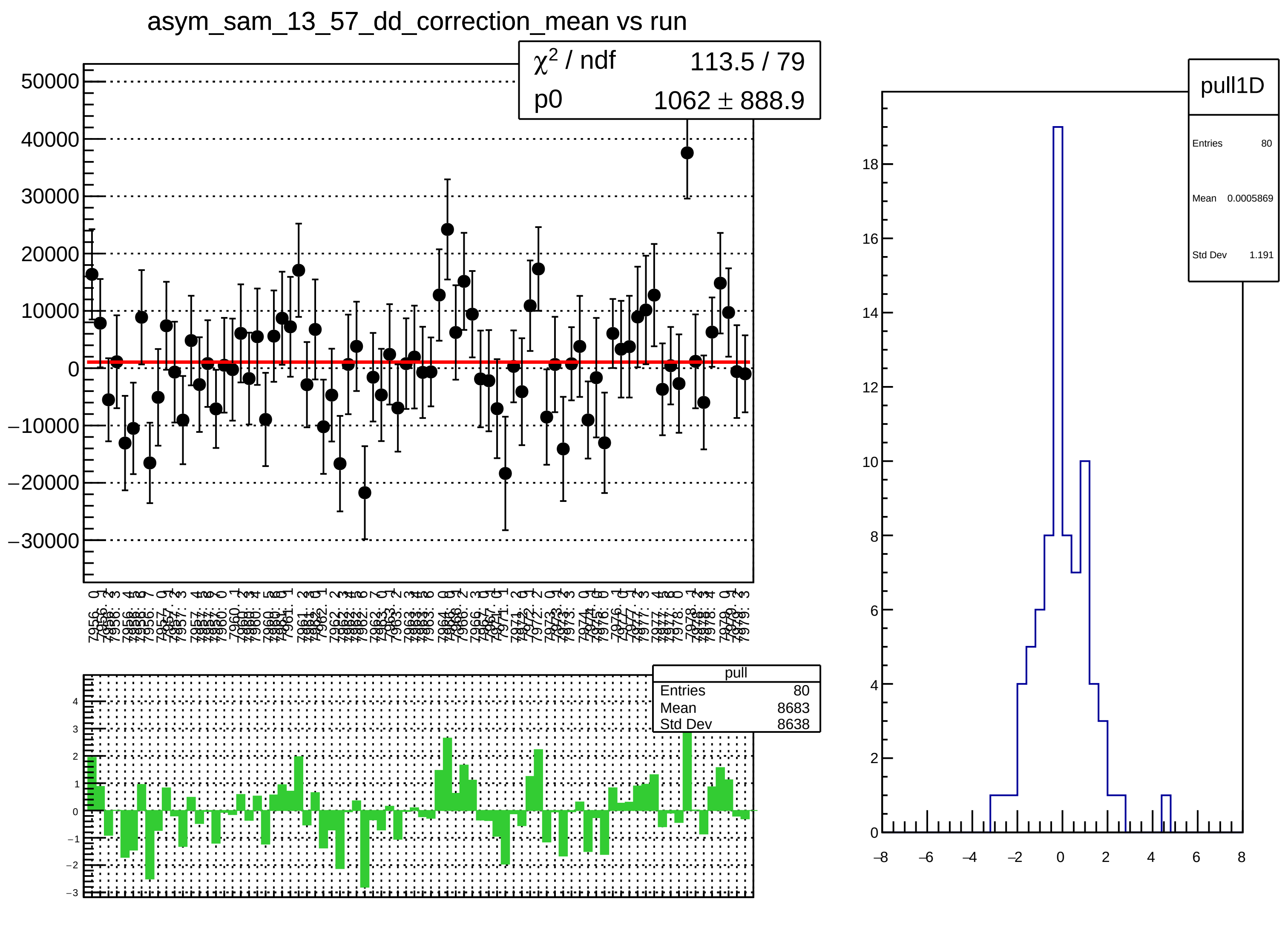
asym_sam_48_dd_rms vs run
χ^2 / ndf 2904 / 79
p0 2333 ± 1.851
3000
2800
2600
2400
2200

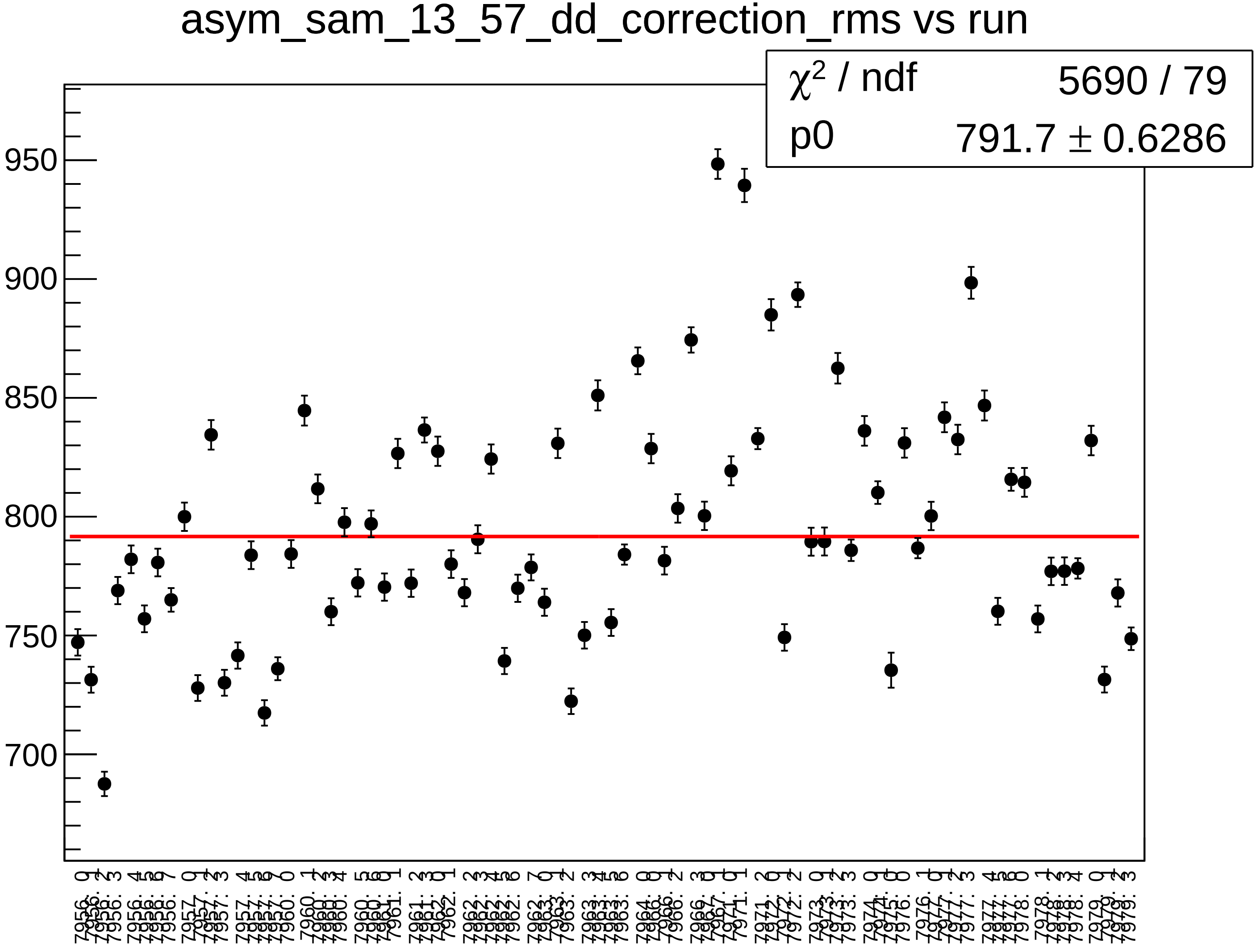
dit_asym_sam_13_57_dd_mean vs run



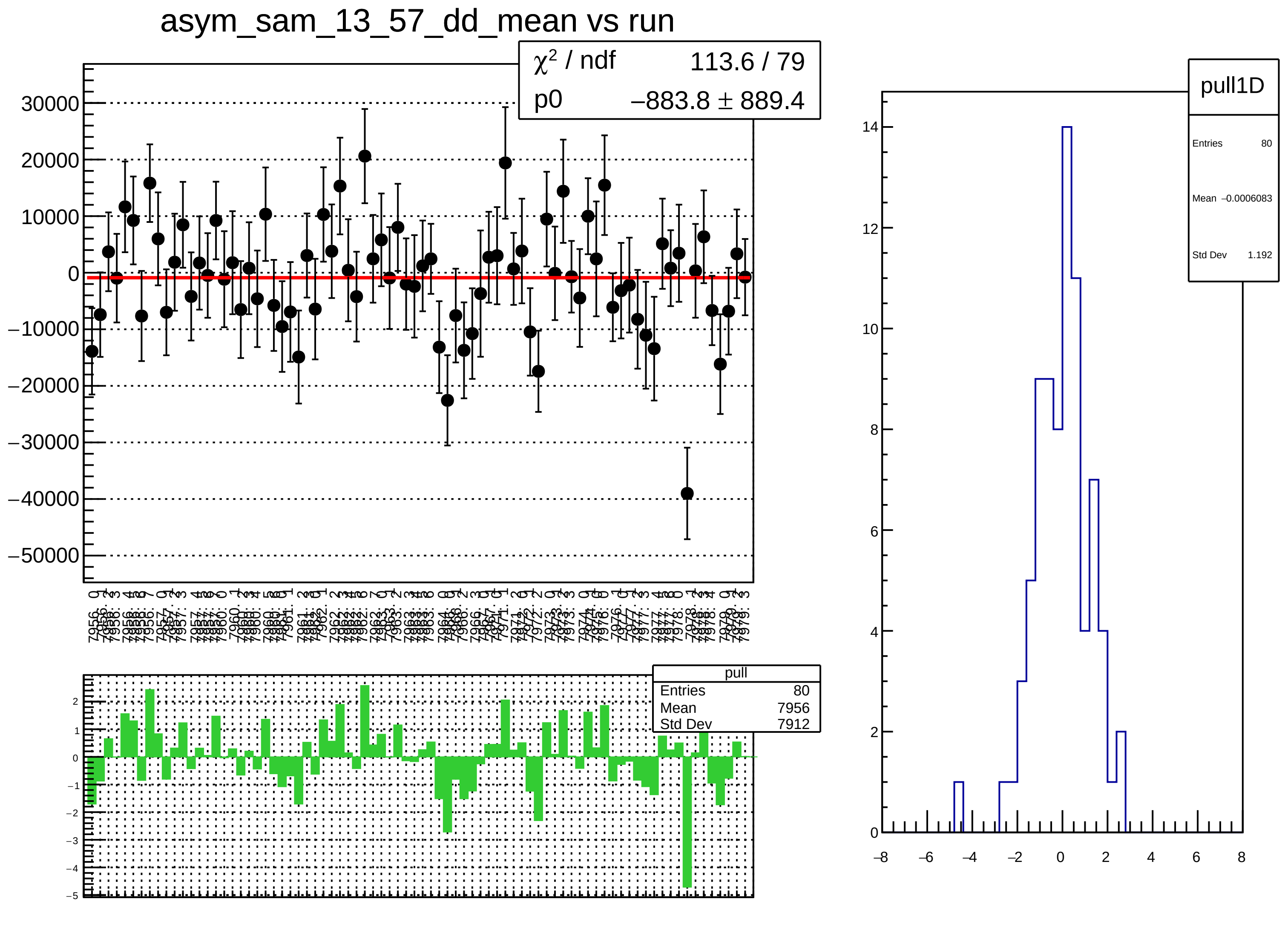


dit_asym_sam_13_57_dd_rms vs run
χ2 / ndf 2.222e+04 / 79
p0 97.64 ± 0.07794
350
300
250
200
150
100

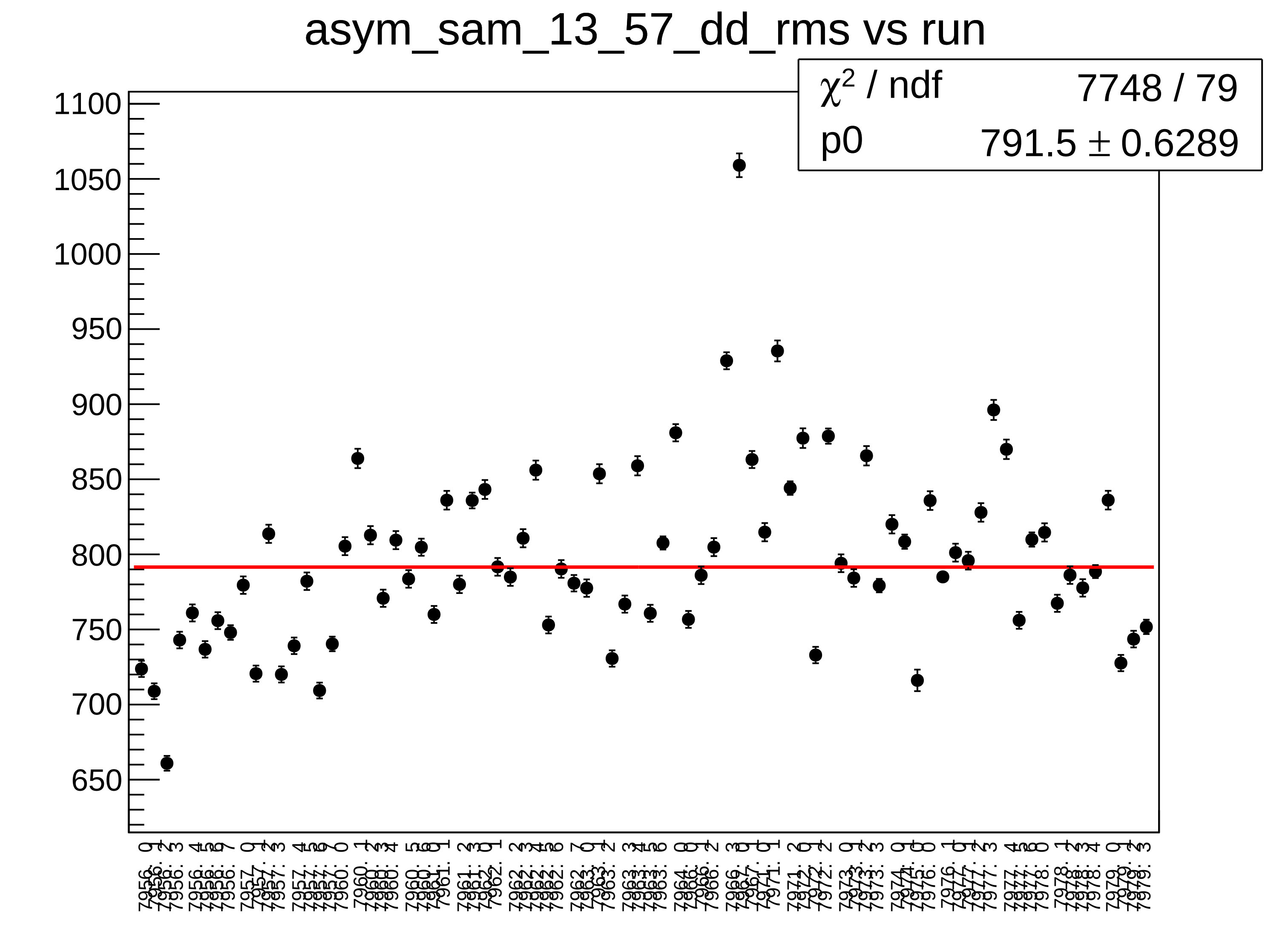

asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 113.5 / 79
p0 1062 ± 888.9
pull
Entries 80
Mean 8683
Std Dev 8638
pull1D
Entries 80
Mean 0.0005869
Std Dev 1.191

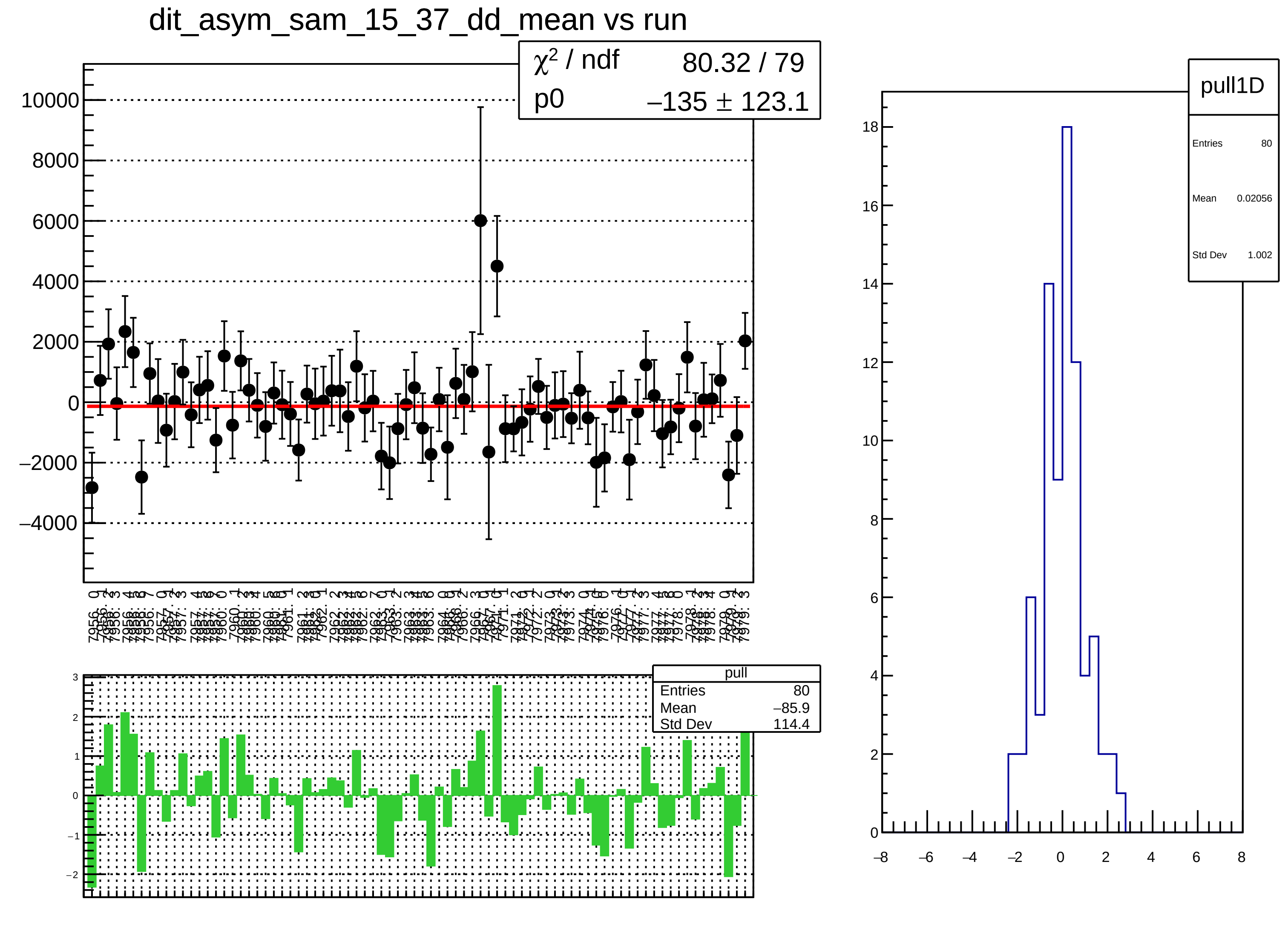


asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 5690 / 79
p0 791.7 ± 0.6286
950
900
850
800
750
700

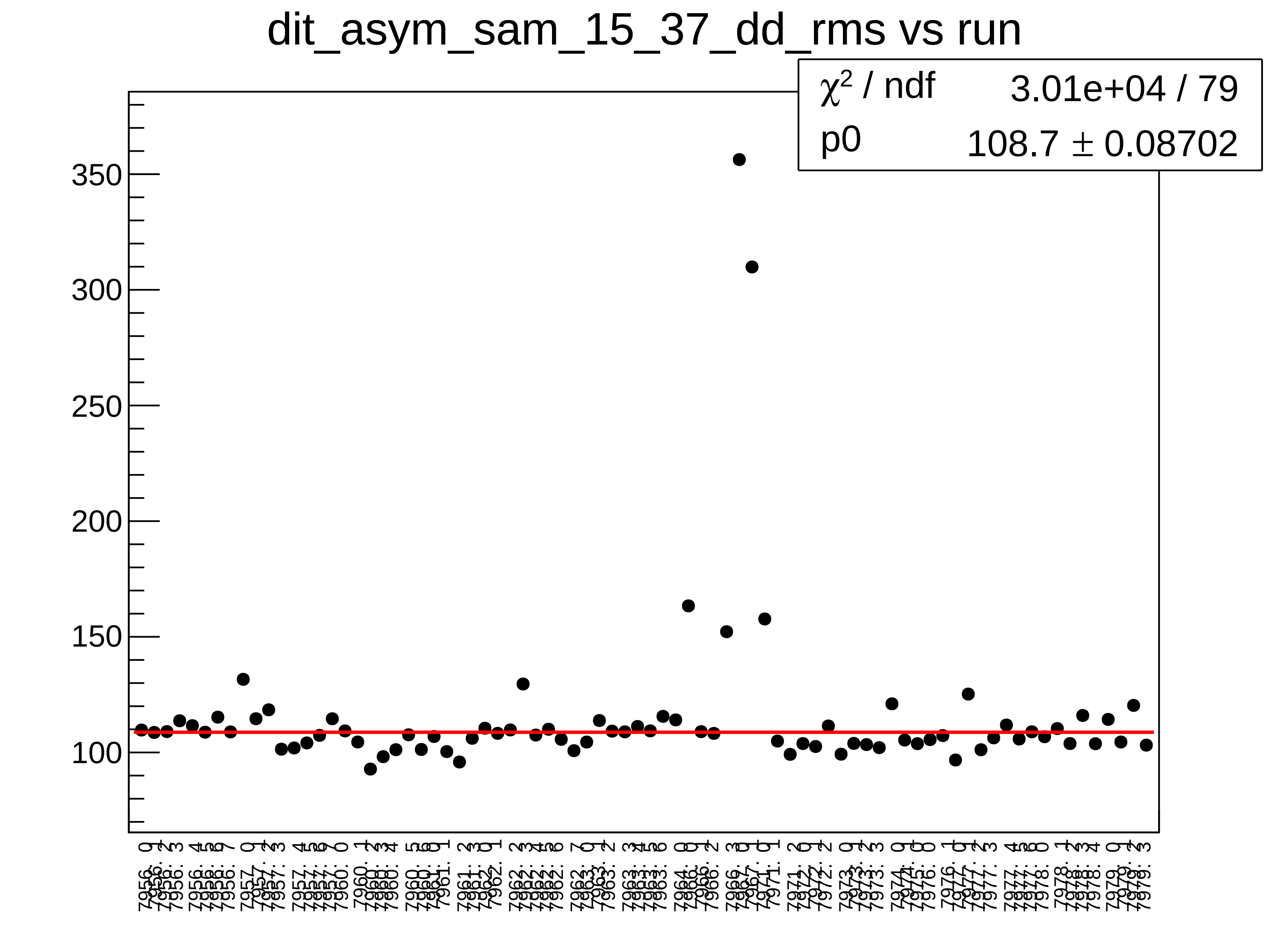


asym_sam_13_57_dd_mean vs run
χ2 / ndf 113.6 / 79
p0 −883.8 ± 889.4
pull
Entries 80
Mean 7956
Std Dev 7912
pull1D
Entries 80
Mean −0.0006083
Std Dev 1.192


asym_sam_13_57_dd_rms vs run
χ^2 / ndf 7748 / 79
p0 791.5 ± 0.6289

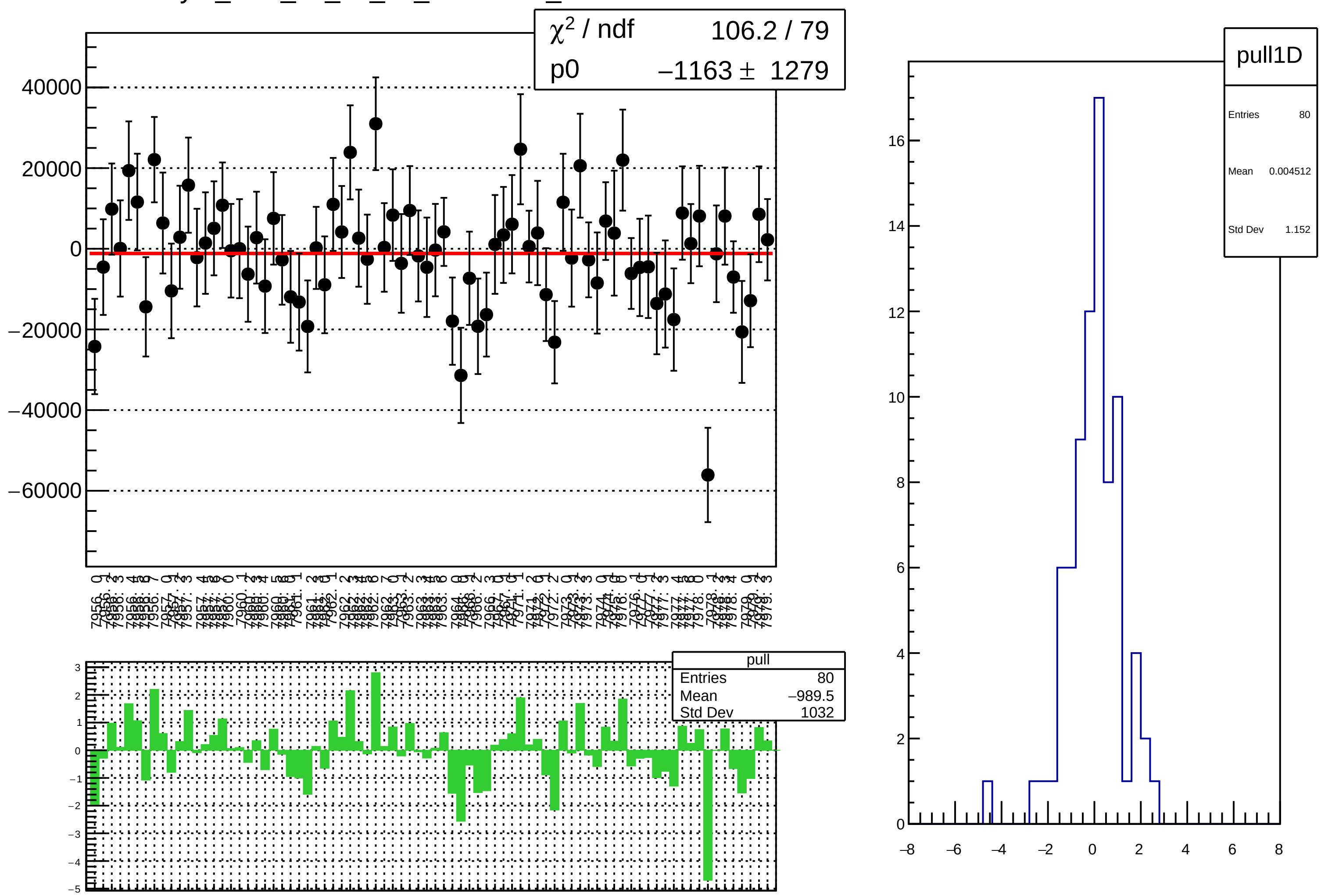


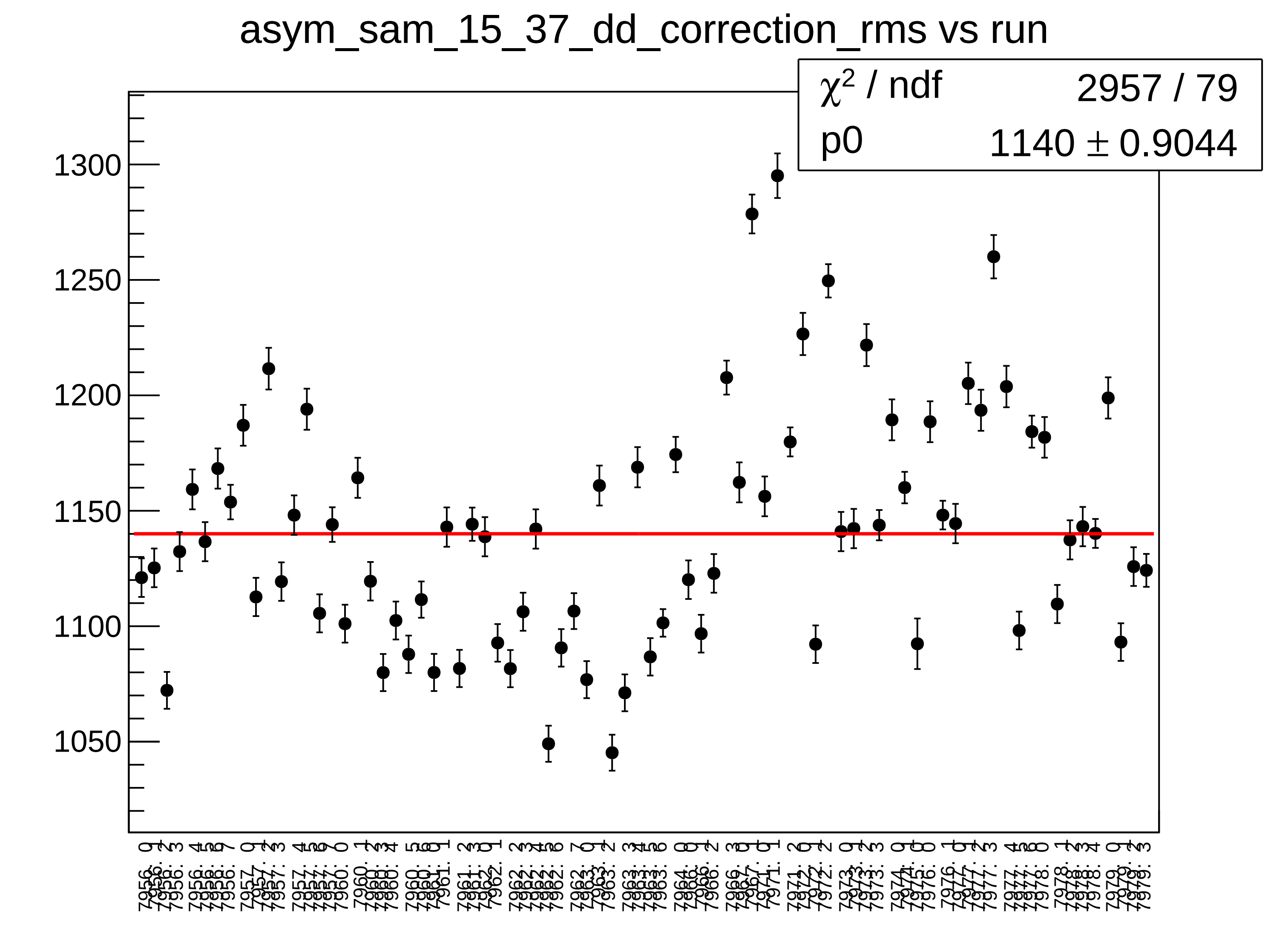
dit_asym_sam_15_37_dd_mean vs run
χ2 / ndf 80.32 / 79
p0 −135 ± 123.1
pull
Entries 80
Mean −85.9
Std Dev 114.4
pull1D
Entries 80
Mean 0.02056
Std Dev 1.002



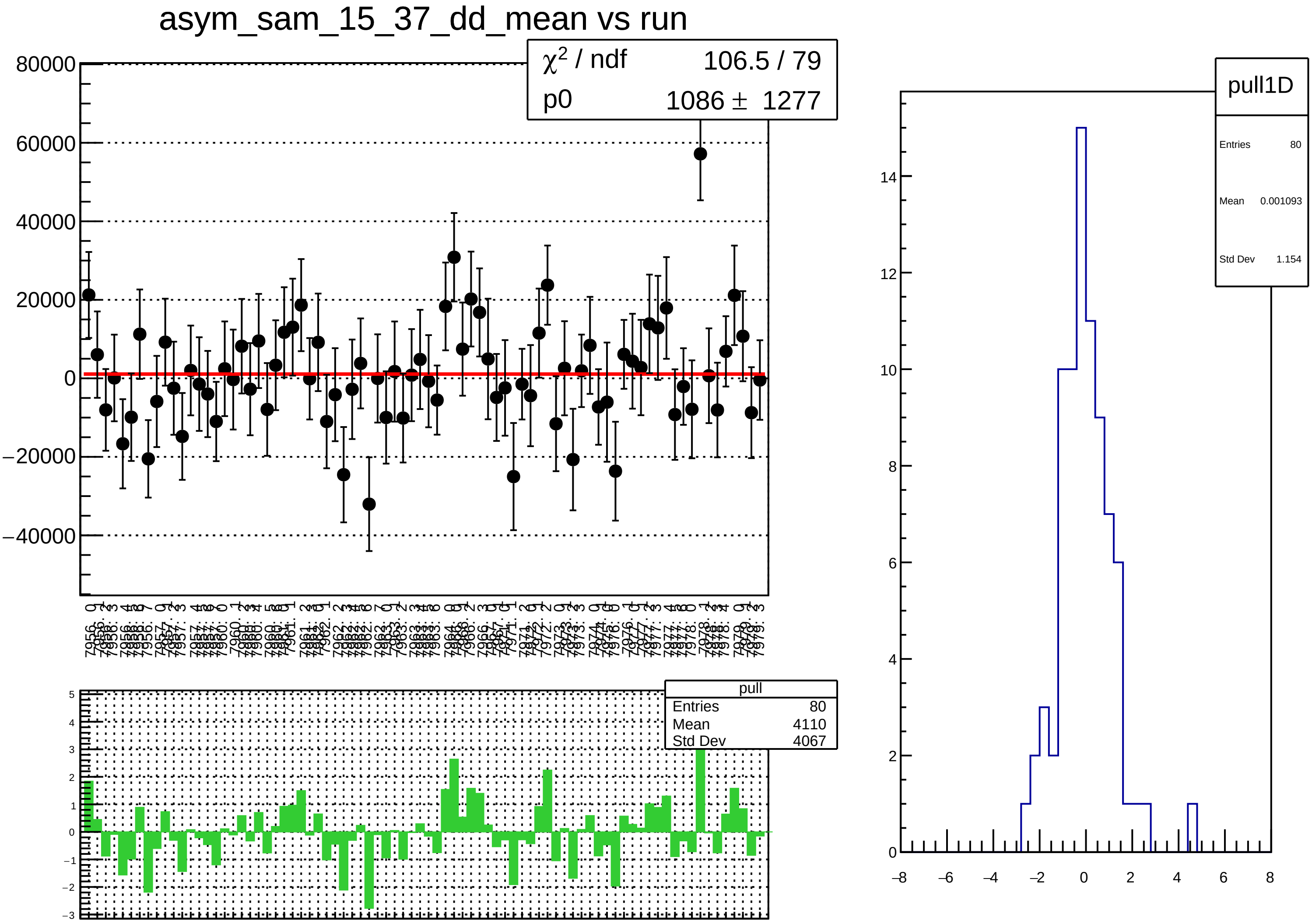
dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 3.01e+04 / 79
p0 108.7 ± 0.08702
350
300
250
200
150
100

asym_sam_15_37_dd_correction_mean vs run

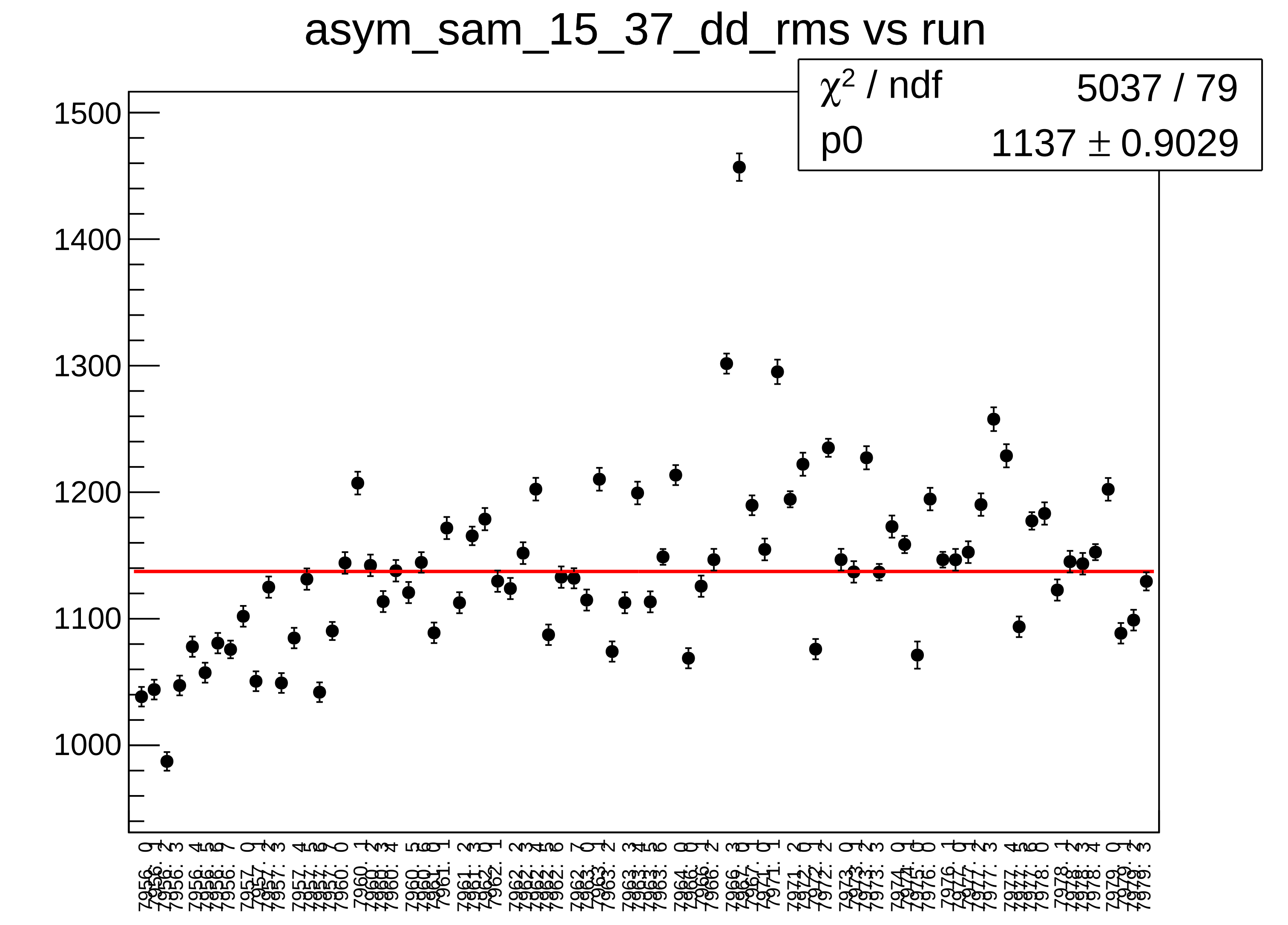


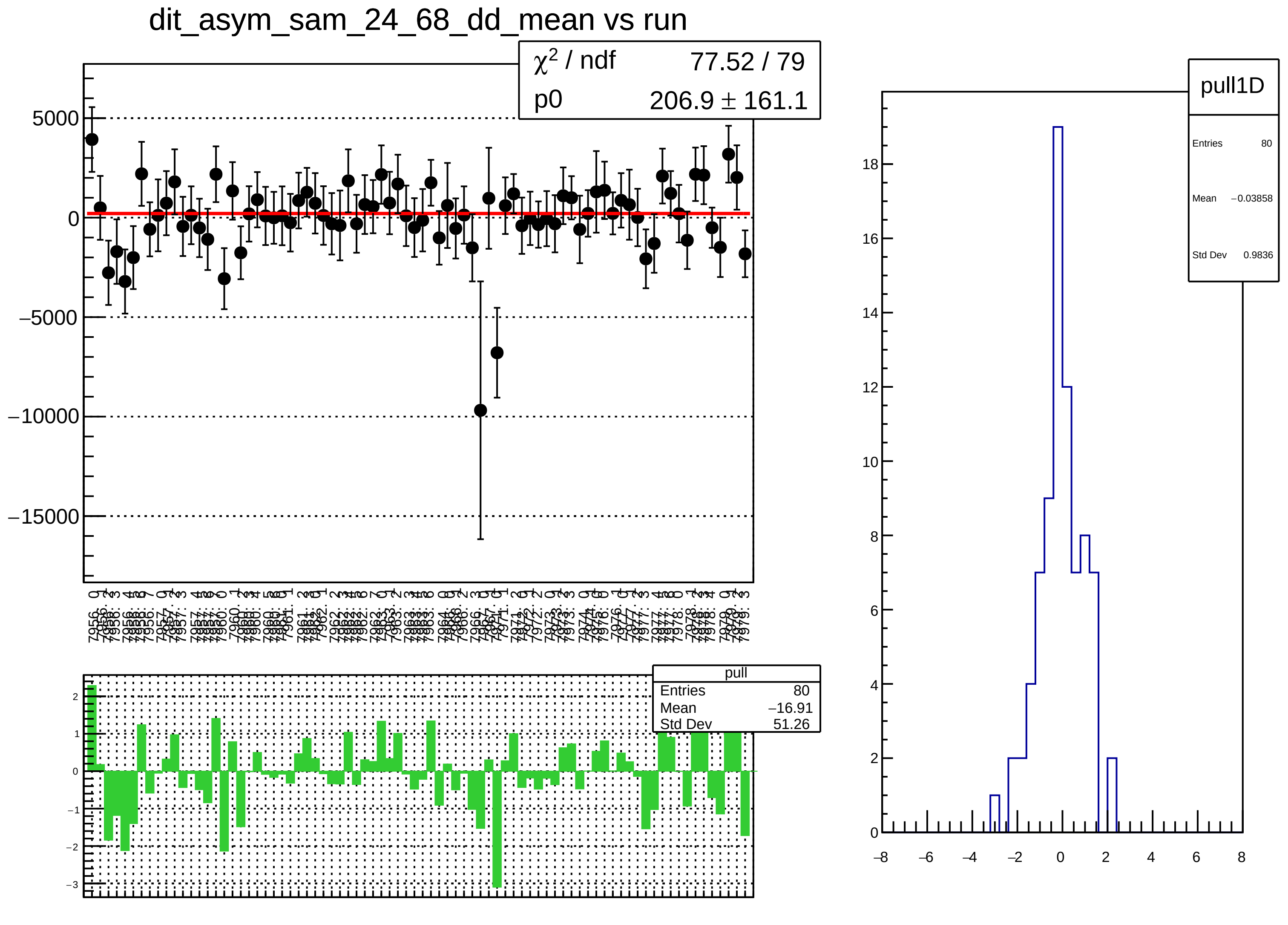


asym_sam_15_37_dd_correction_rms vs run
χ2 / ndf 2957 / 79
p0 1140 ± 0.9044
1300
1250
1200
1150
1100
1050

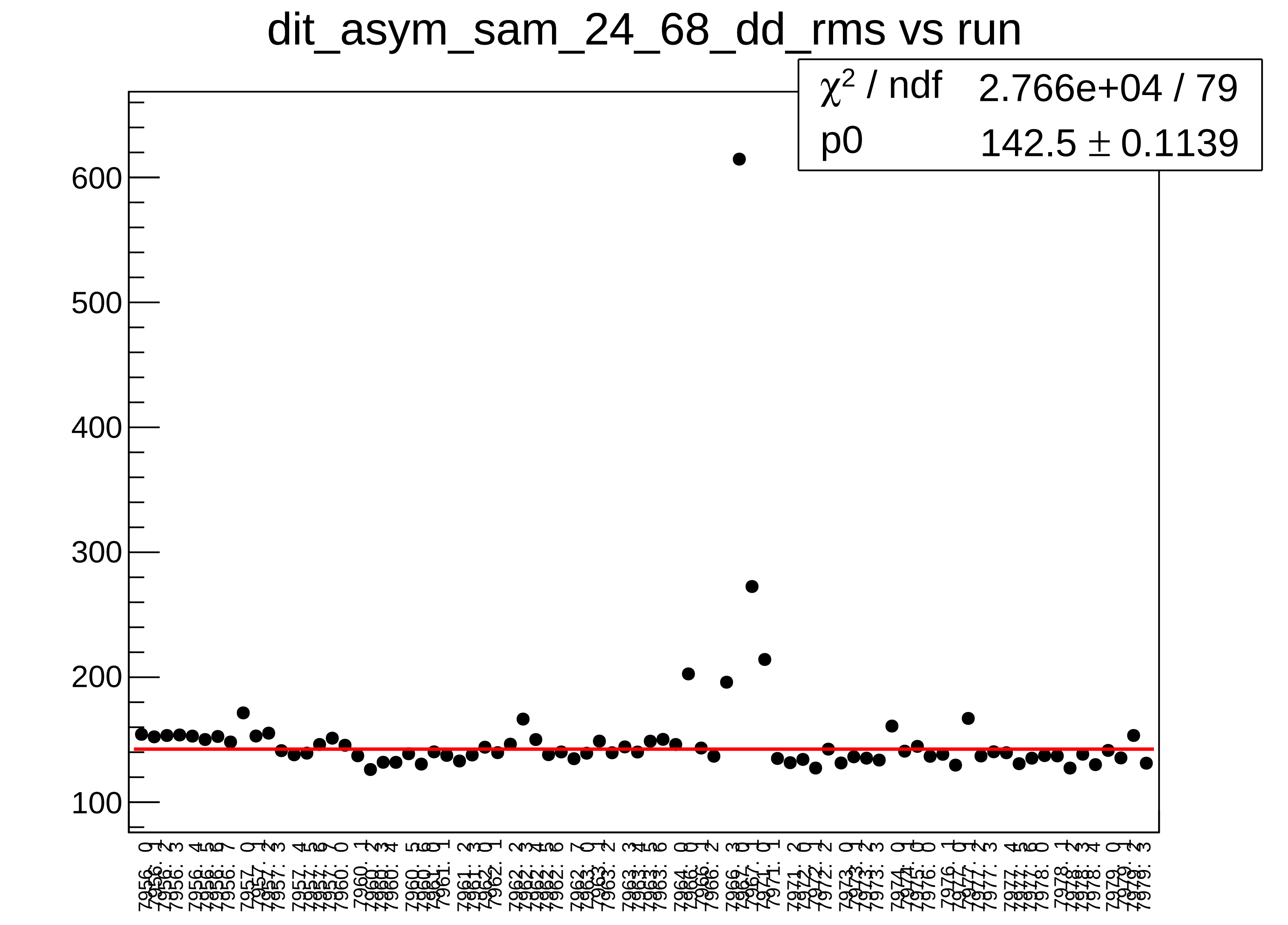


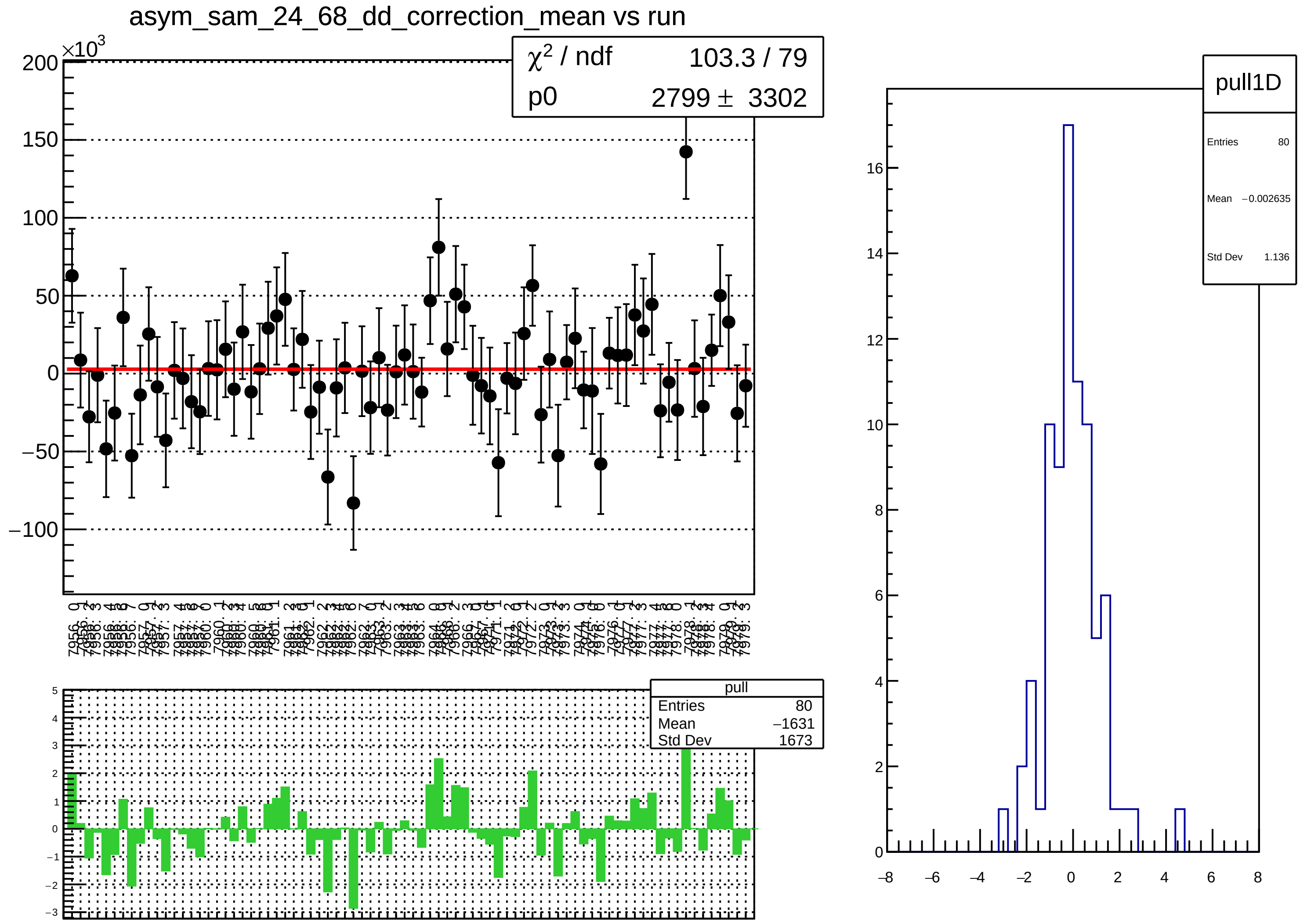
asym_sam_15_37_dd_mean vs run
χ^2 / ndf 106.5 / 79
p0 1086 ± 1277
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 4110
Std Dev 4067
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.001093
Std Dev 1.154
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5037 / 79
p0 1137 ± 0.9029
1500
1400
1300
1200
1100
1000

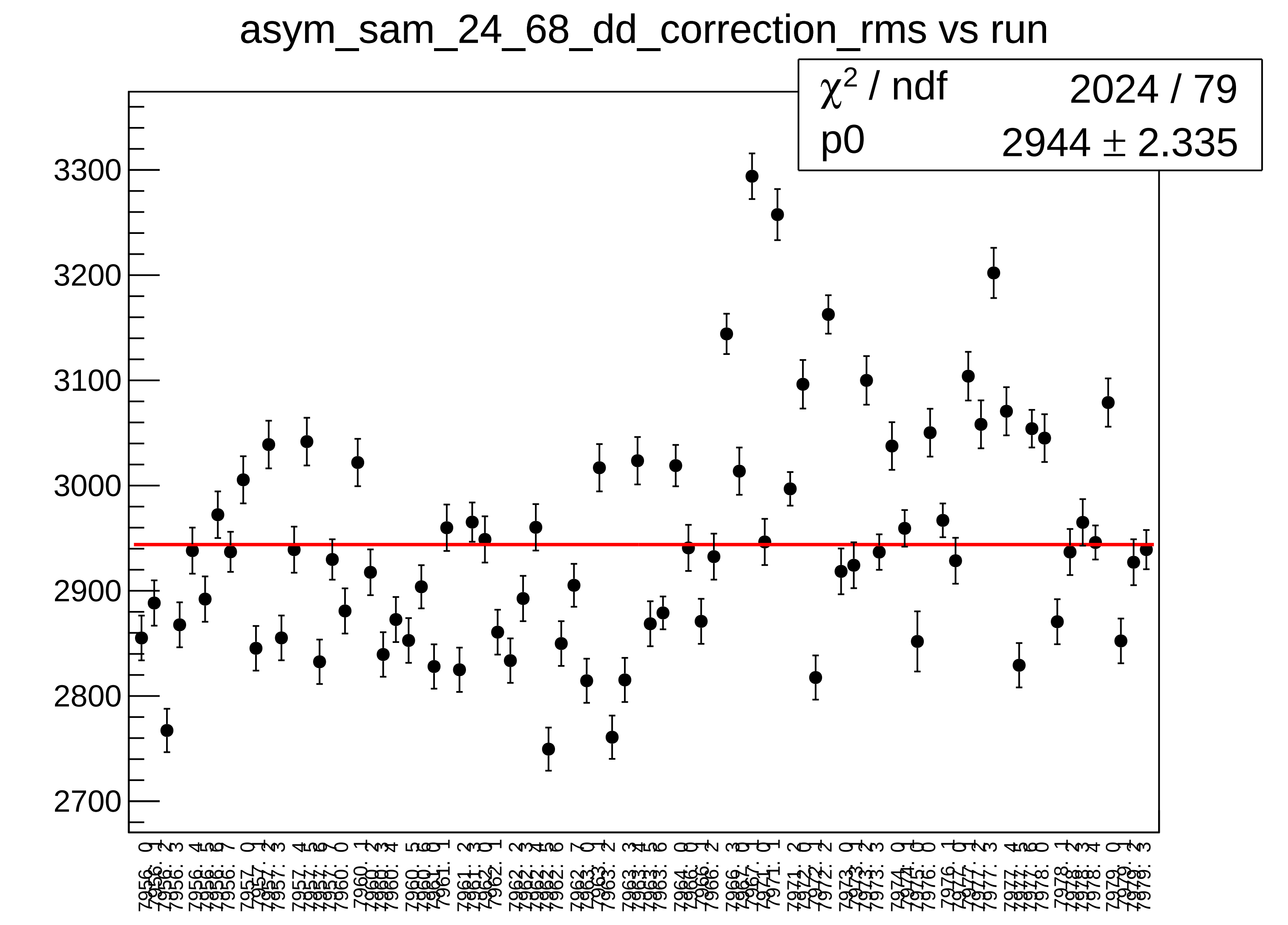


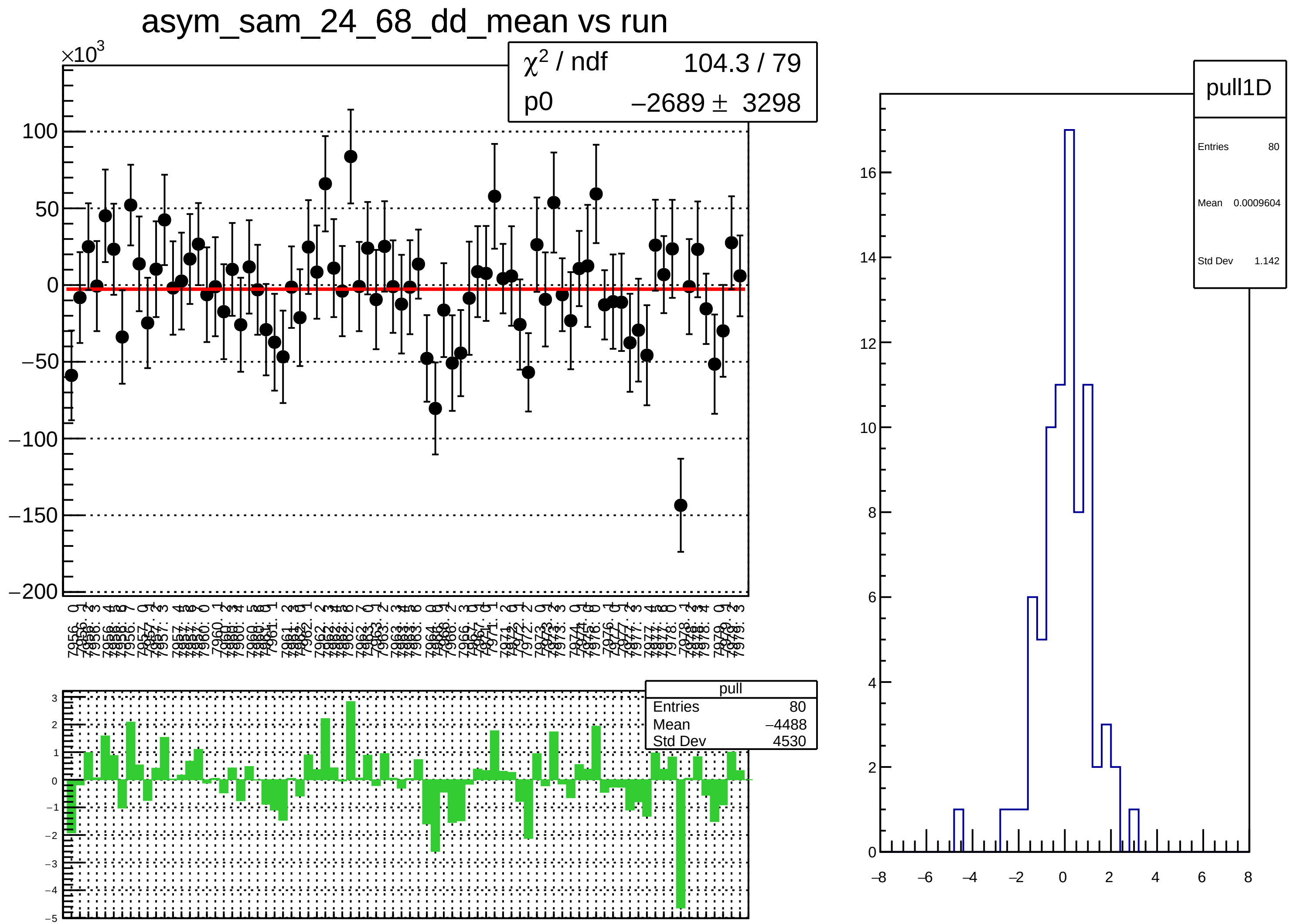
dit_asym_sam_24_68_dd_mean vs run
χ2 / ndf 77.52 / 79
p0 206.9 ± 161.1
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −16.91
Std Dev 51.26
pull1D
Entries 80
Mean −0.03858
Std Dev 0.9836

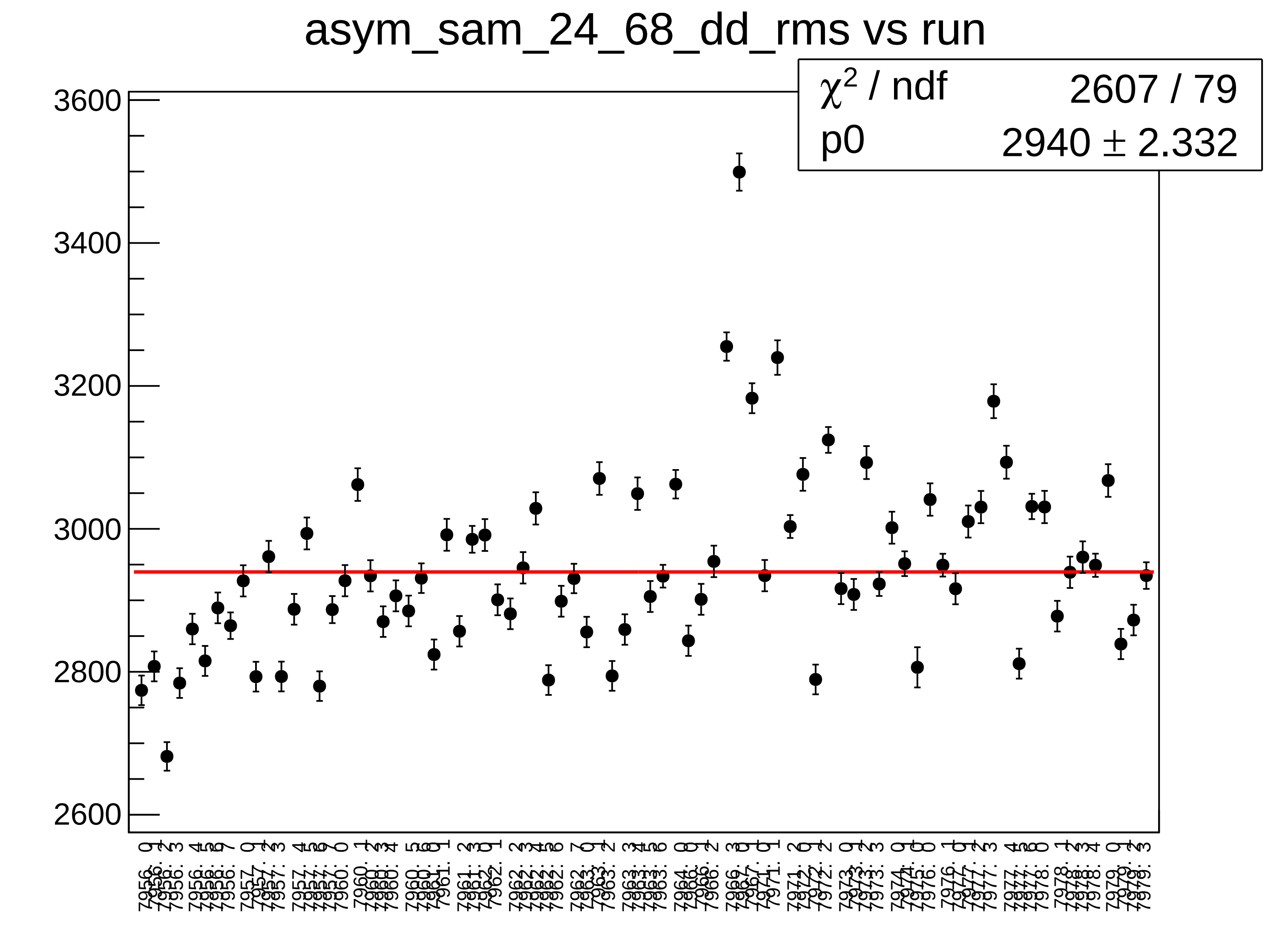

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2.766e+04 / 79
p0 142.5 ± 0.1139
600
500
400
300
200
100

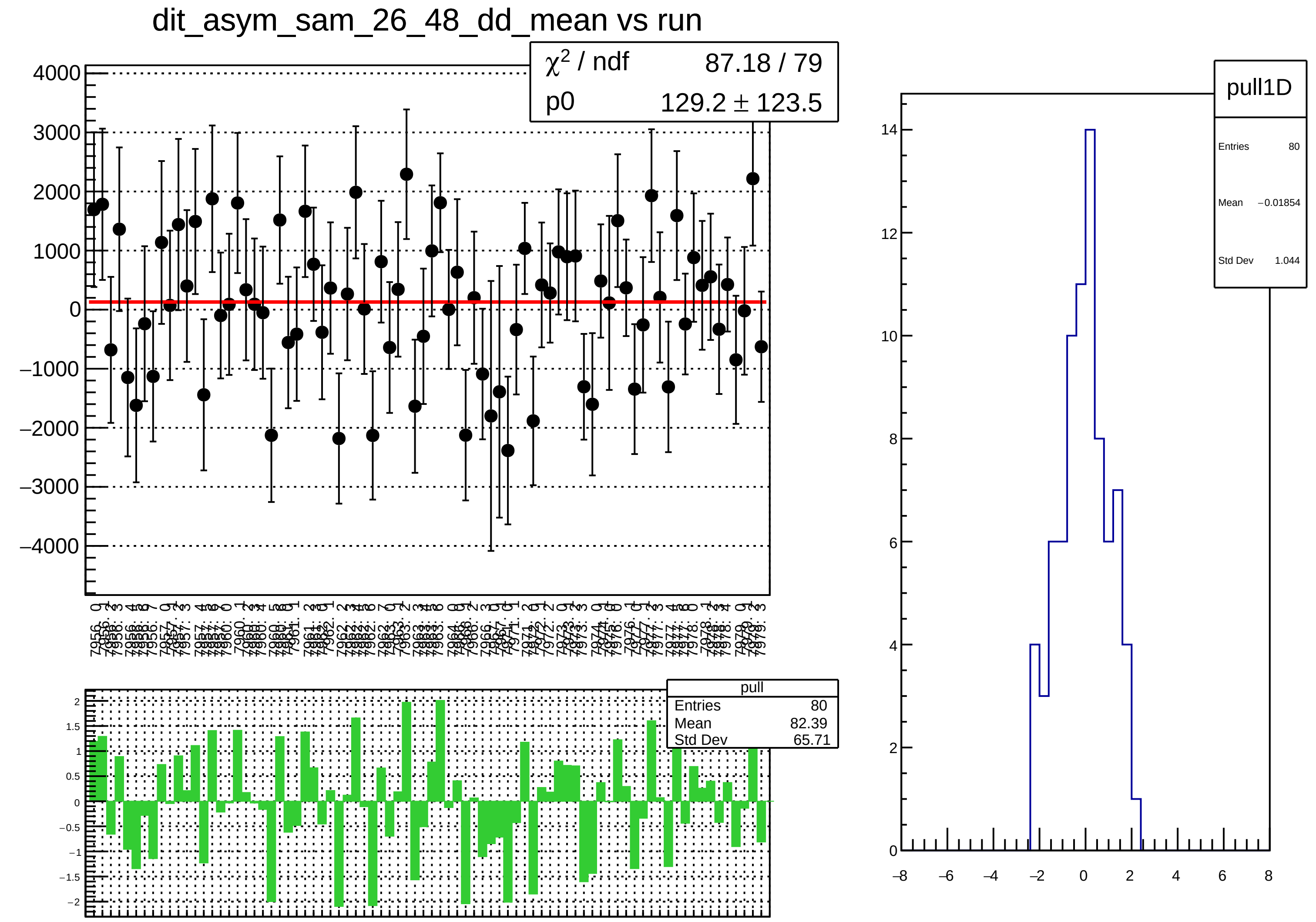


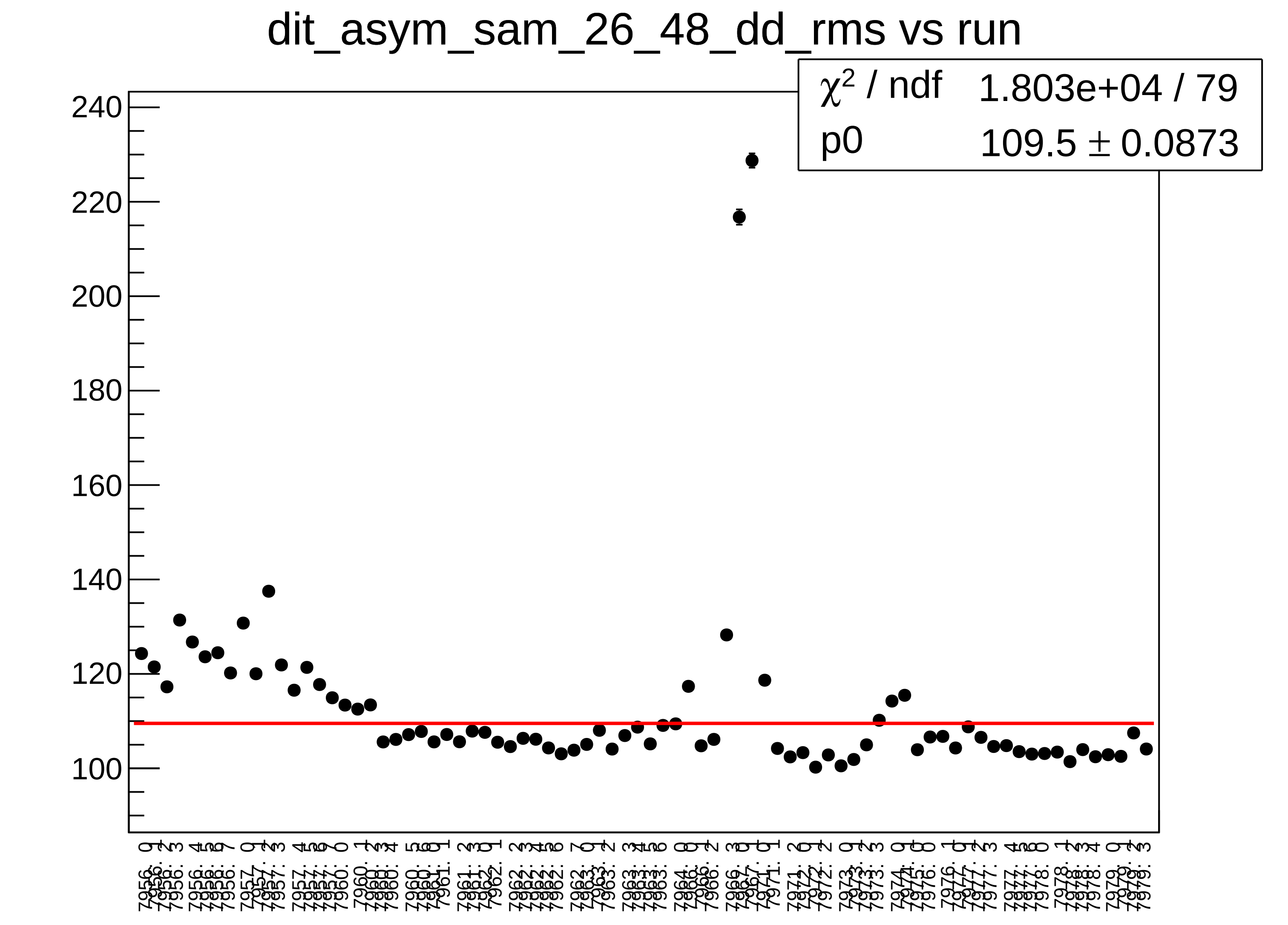
asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 103.3 / 79
p0 2799 ± 3302
pull
Entries 80
Mean −1631
Std Dev 1673
pull1D
Entries 80
Mean −0.002635
Std Dev 1.136


asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 2024 / 79
p0 2944 ± 2.335
3300
3200
3100
3000
2900
2800
2700

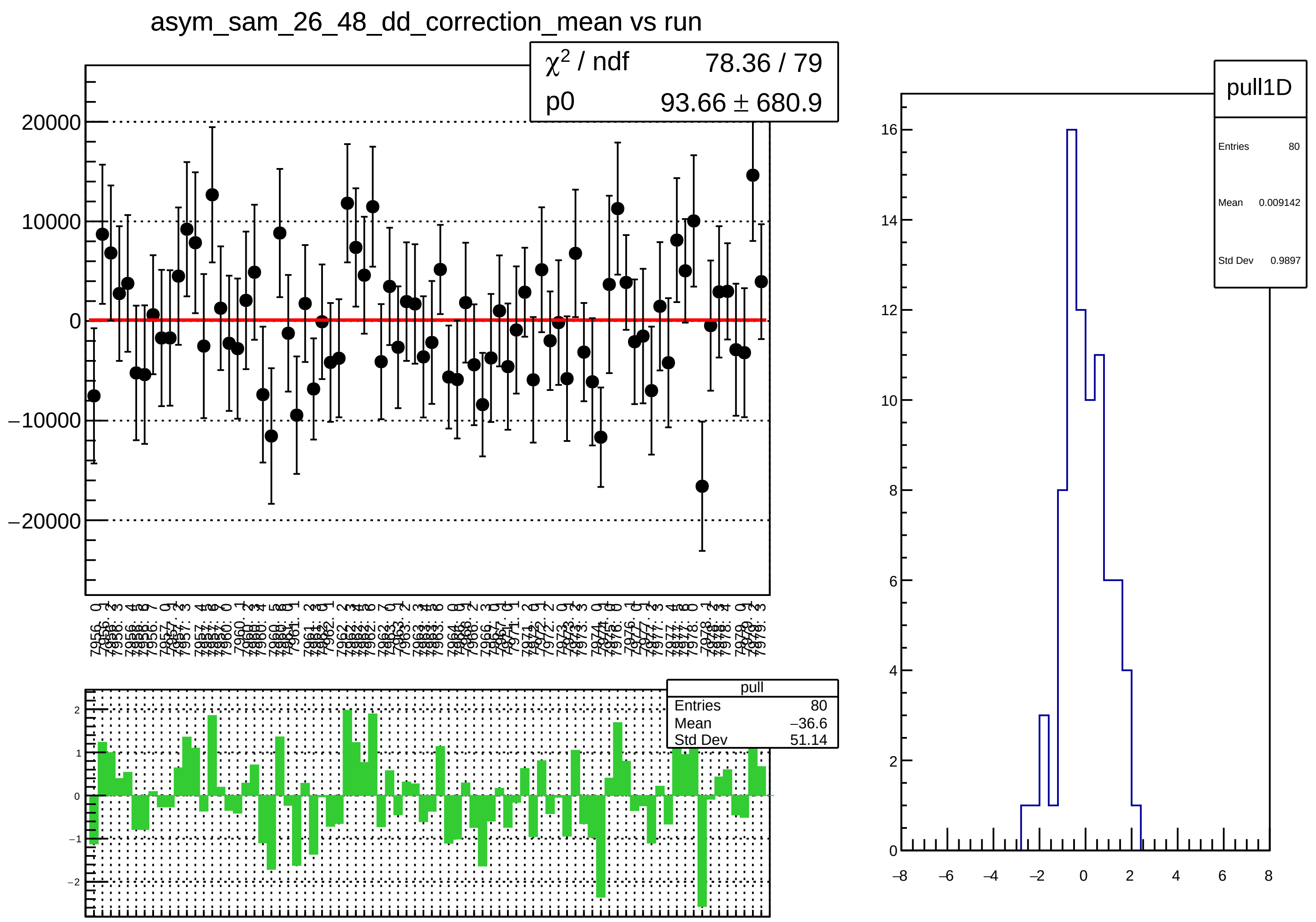

asym_sam_24_68_dd_mean vs run
×10^3
χ^2 / ndf 104.3 / 79
p0 −2689 ± 3298
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −4488
Std Dev 4530
pull1D
Entries 80
Mean 0.0009604
Std Dev 1.142


asym_sam_24_68_dd_rms vs run
χ² / ndf 2607 / 79
p0 2940 ± 2.332
3600
3400
3200
3000
2800
2600

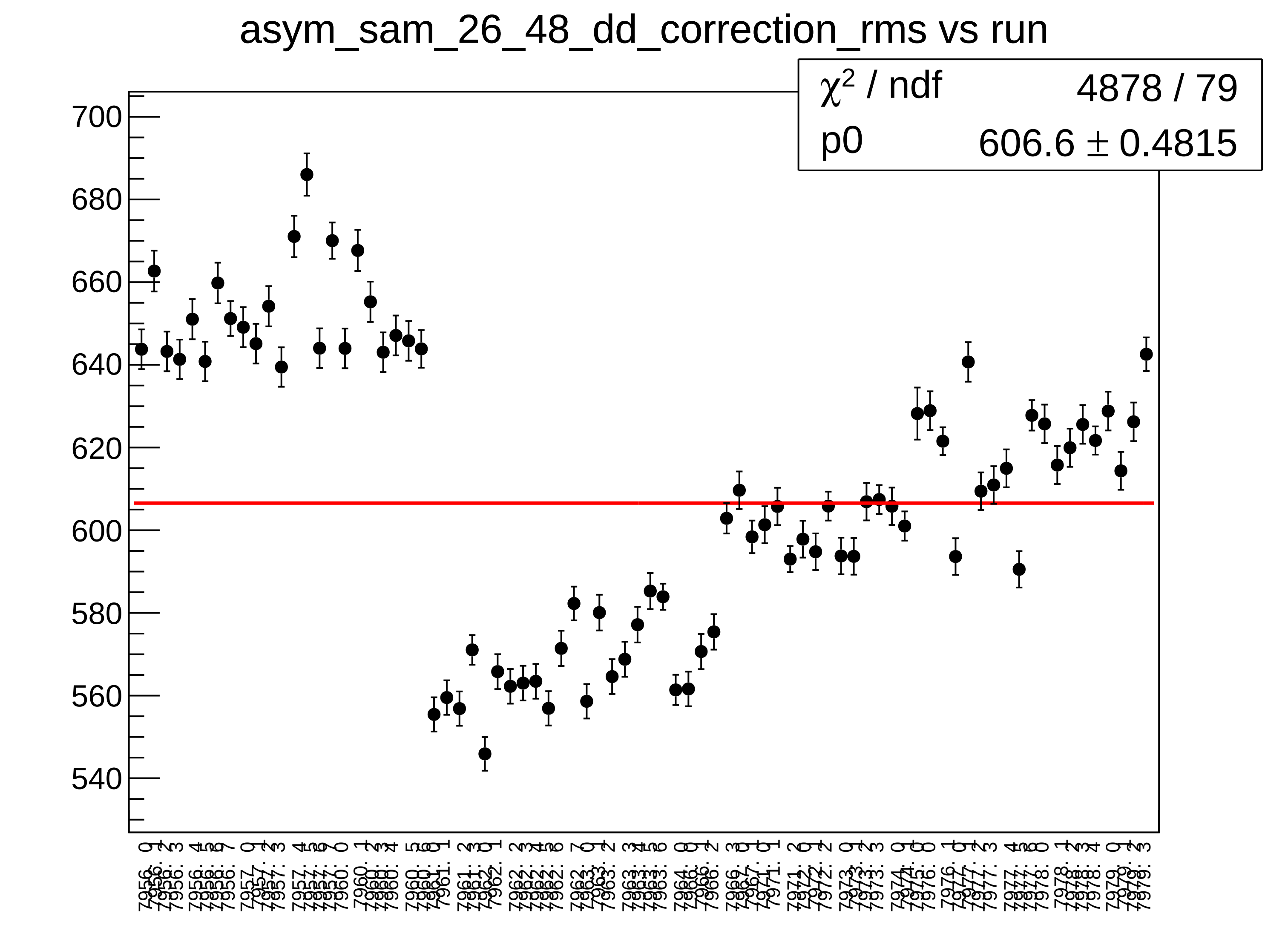

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 87.18 / 79
p0 129.2 ± 123.5
pull1D
Entries 80
Mean −0.01854
Std Dev 1.044
pull
Entries 80
Mean 82.39
Std Dev 65.71

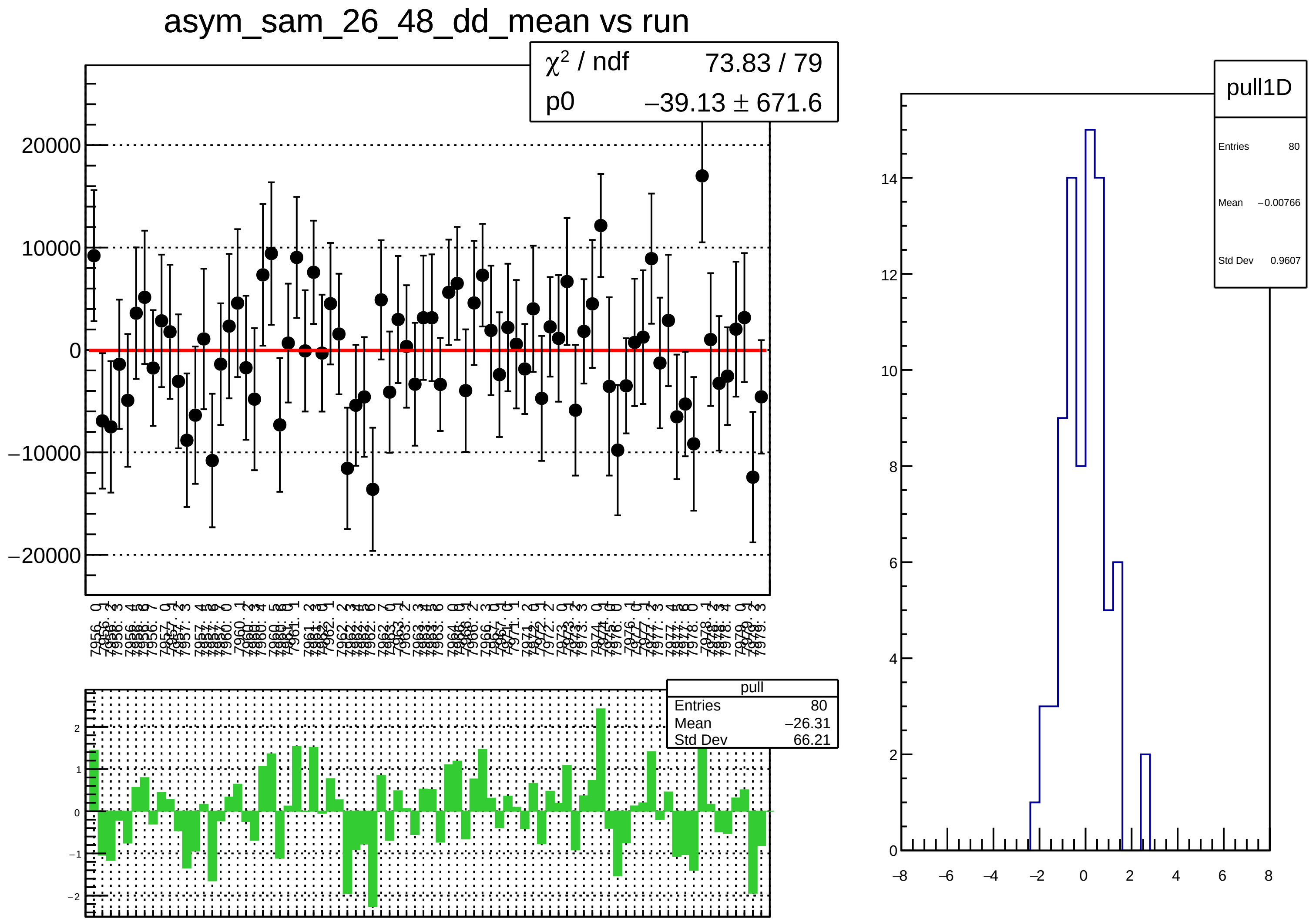


dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.803e+04 / 79
p0 109.5 ± 0.0873
240
220
200
180
160
140
120
100

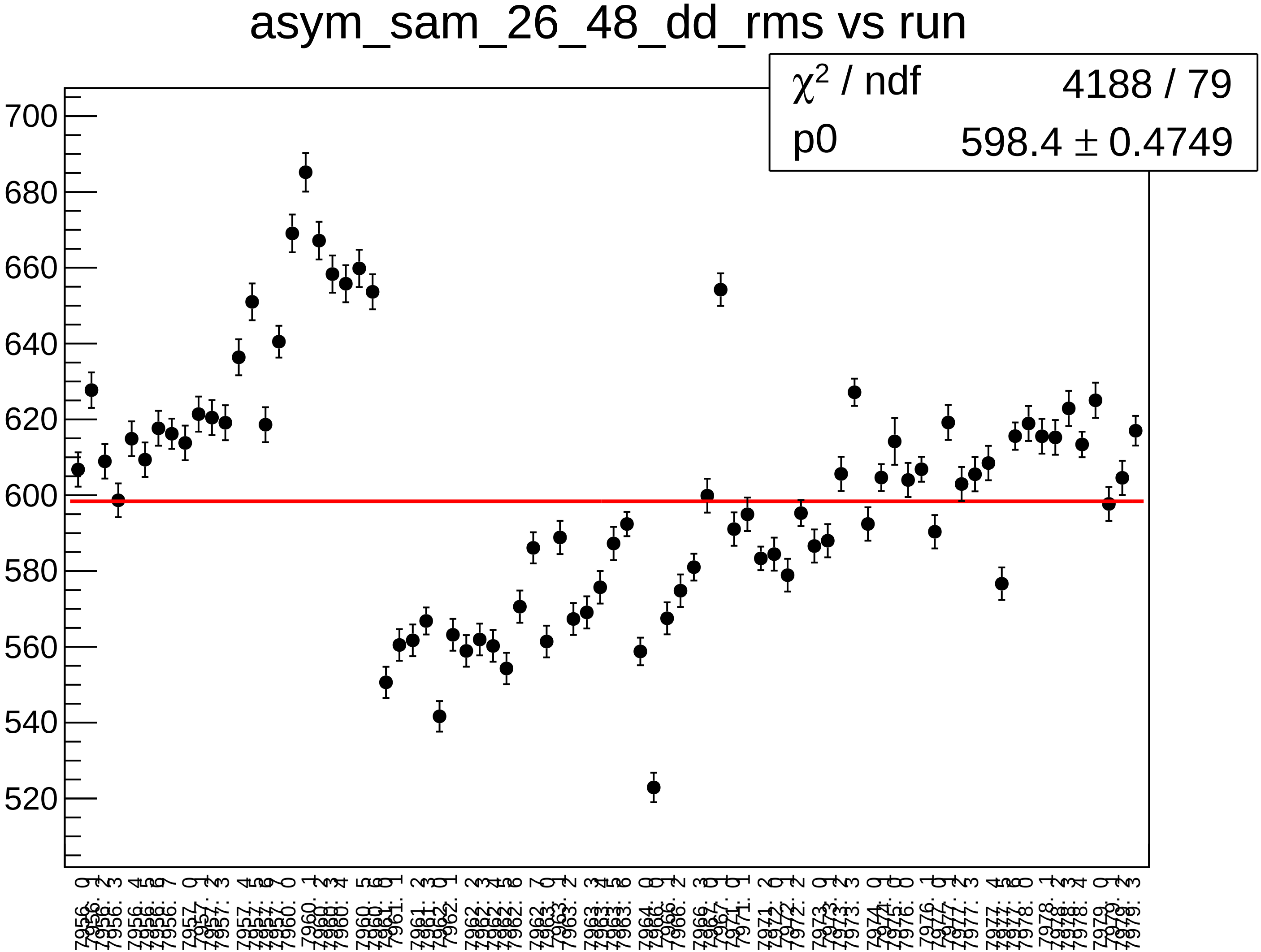


asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 78.36 / 79
p0 93.66 ± 680.9
pull
Entries 80
Mean −36.6
Std Dev 51.14
pull1D
Entries 80
Mean 0.009142
Std Dev 0.9897


asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 4878 / 79
p0 606.6 ± 0.4815
700
680
660
640
620
600
580
560
540

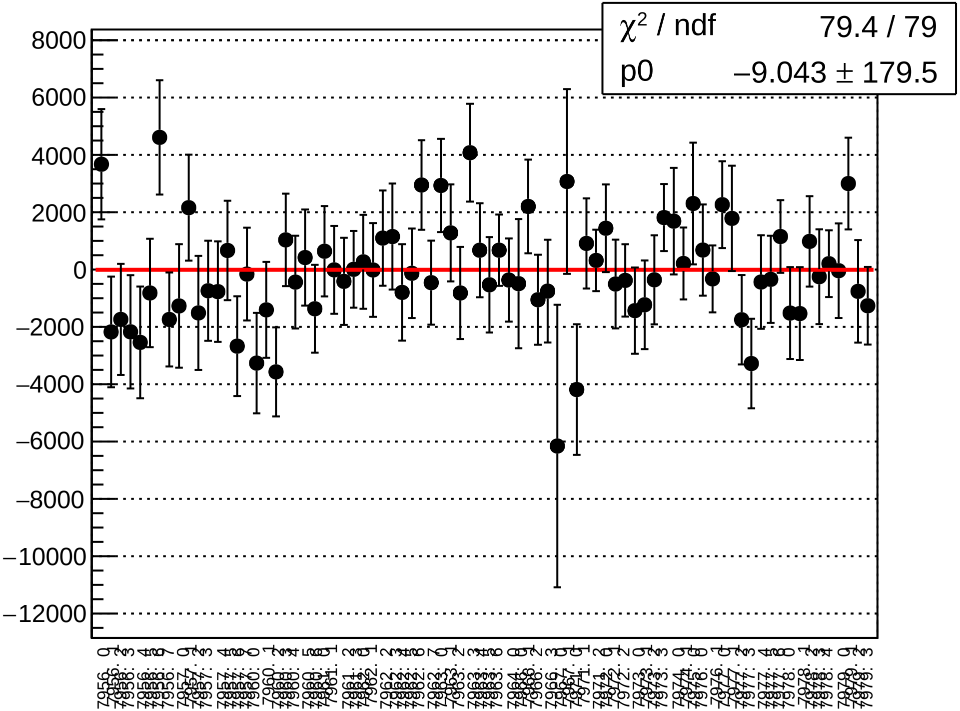


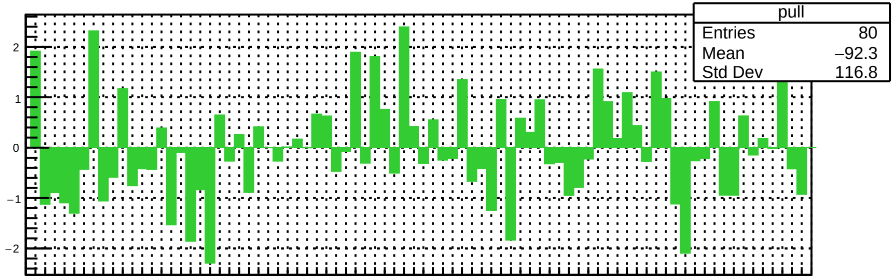
asym_sam_26_48_dd_mean vs run
χ^2 / ndf 73.83 / 79
p0 −39.13 ± 671.6
pull
Entries 80
Mean −26.31
Std Dev 66.21
pull1D
Entries 80
Mean −0.00766
Std Dev 0.9607

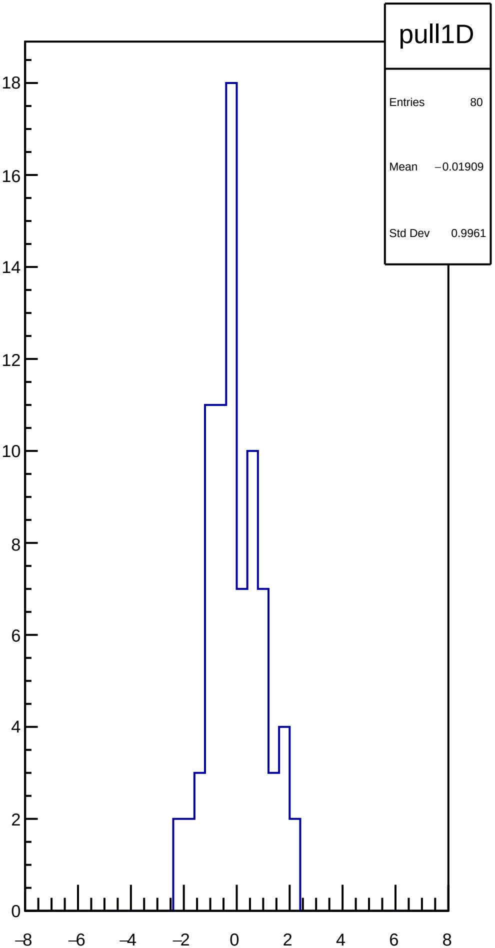


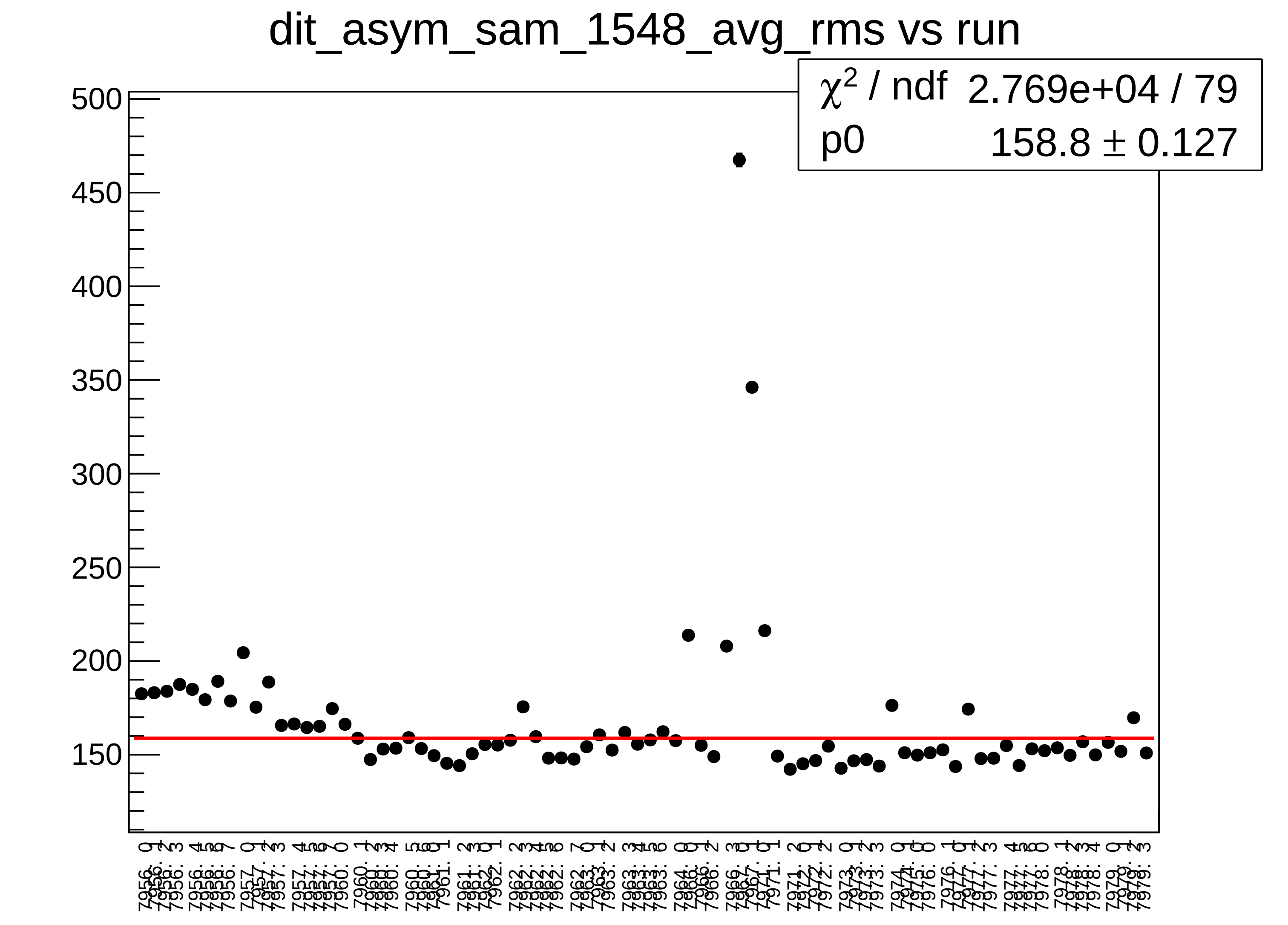
asym_sam_26_48_dd_rms vs run
χ^2 / ndf 4188 / 79
p0 598.4 ± 0.4749
700
680
660
640
620
600
580
560
540
520

dit_asym_sam_1548_avg_mean vs run

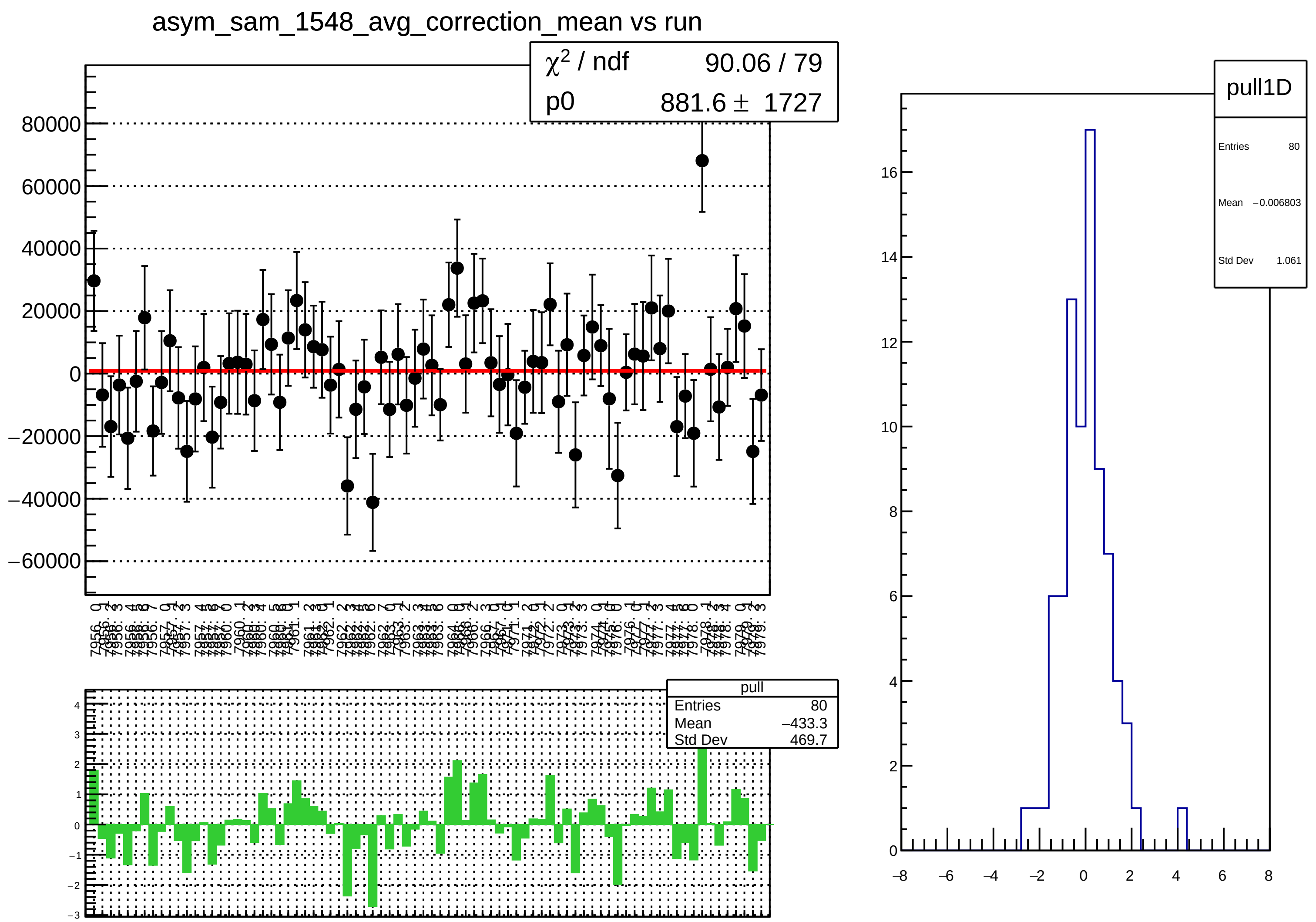






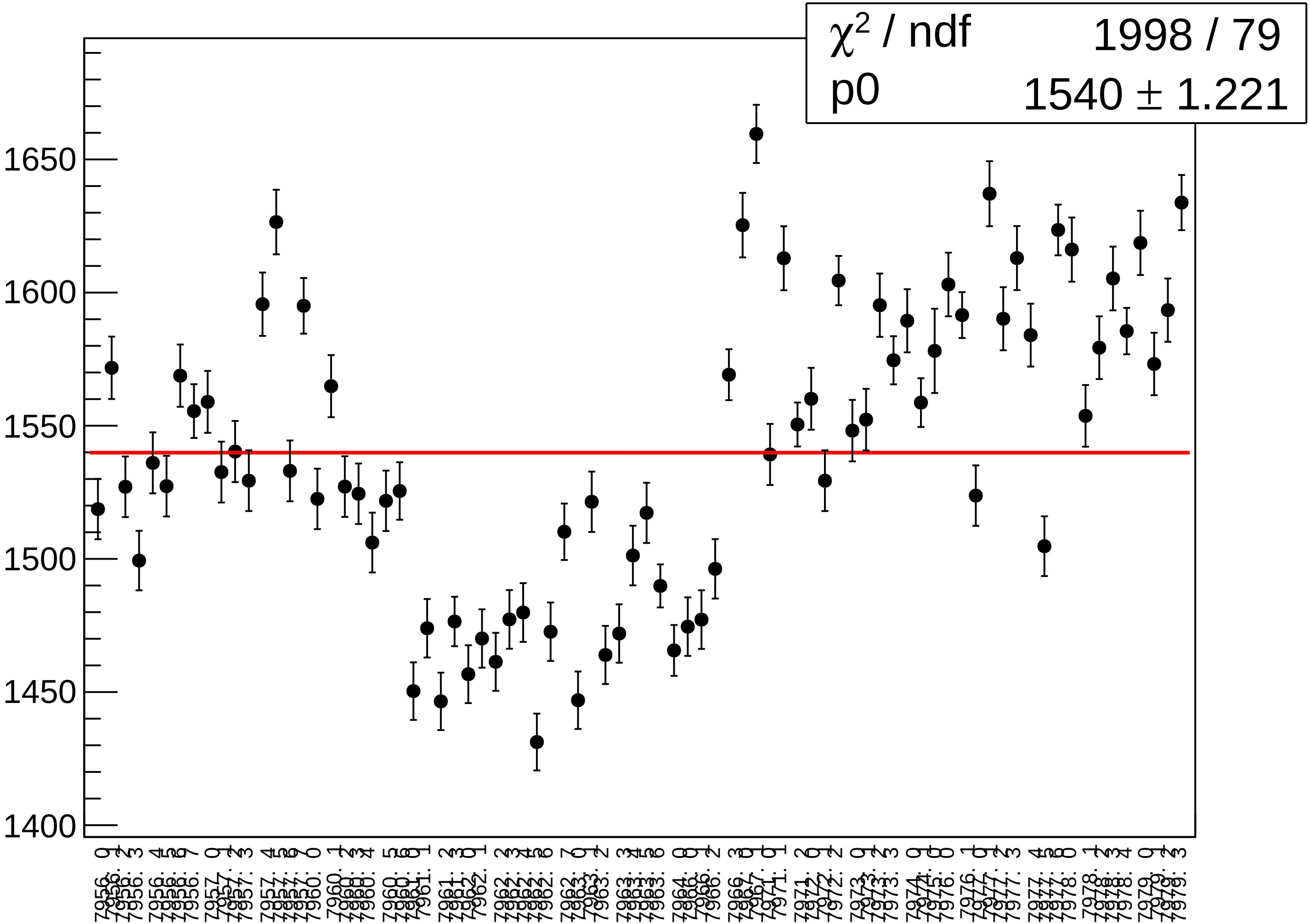


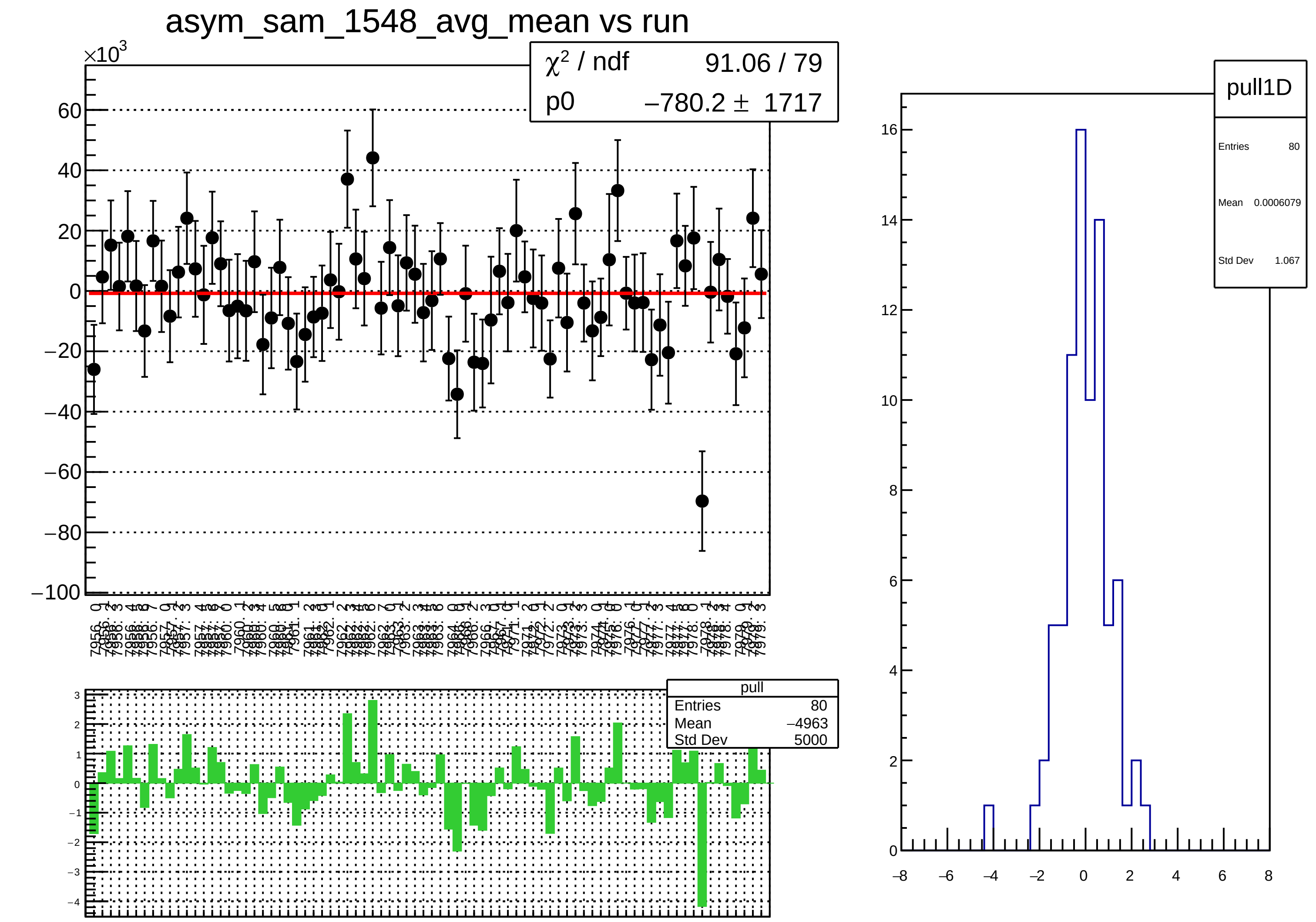
dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.769e+04 / 79
p0 158.8 ± 0.127
500
450
400
350
300
250
200
150



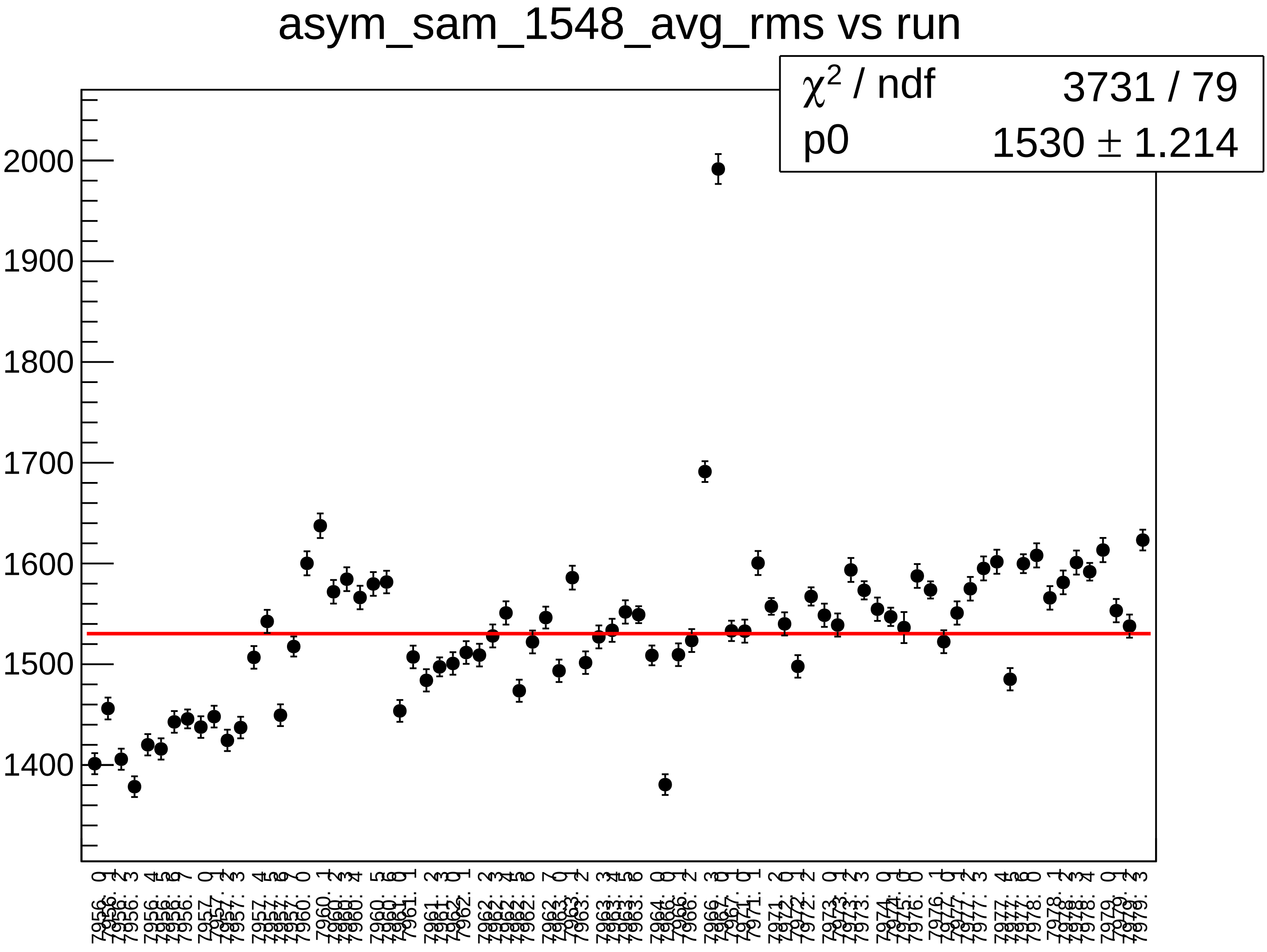
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 90.06 / 79
p0 881.6 ± 1727
pull
Entries 80
Mean −433.3
Std Dev 469.7
pull1D
Entries 80
Mean −0.006803
Std Dev 1.061

asym_sam_1548_avg_correction_rms vs run

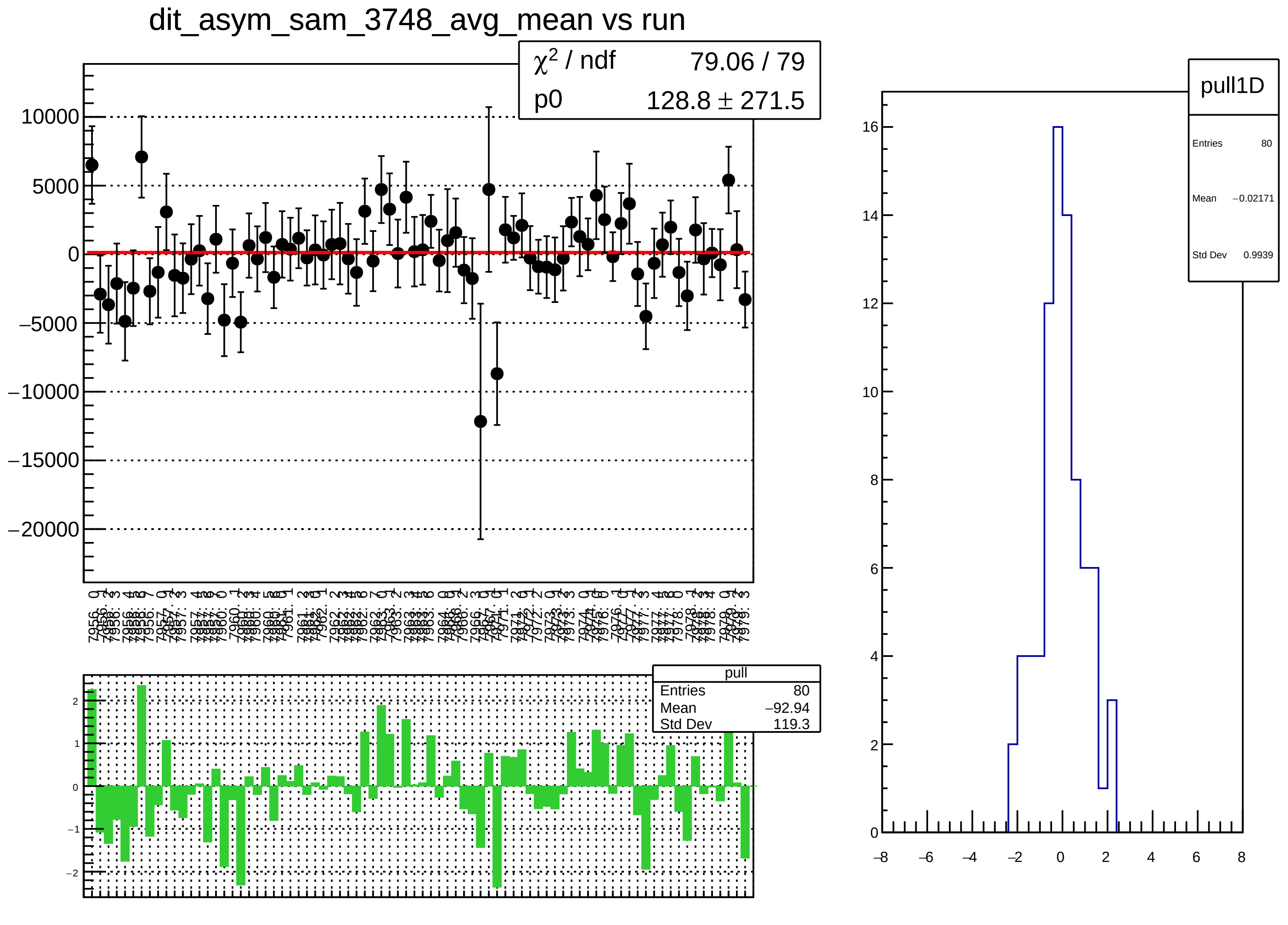




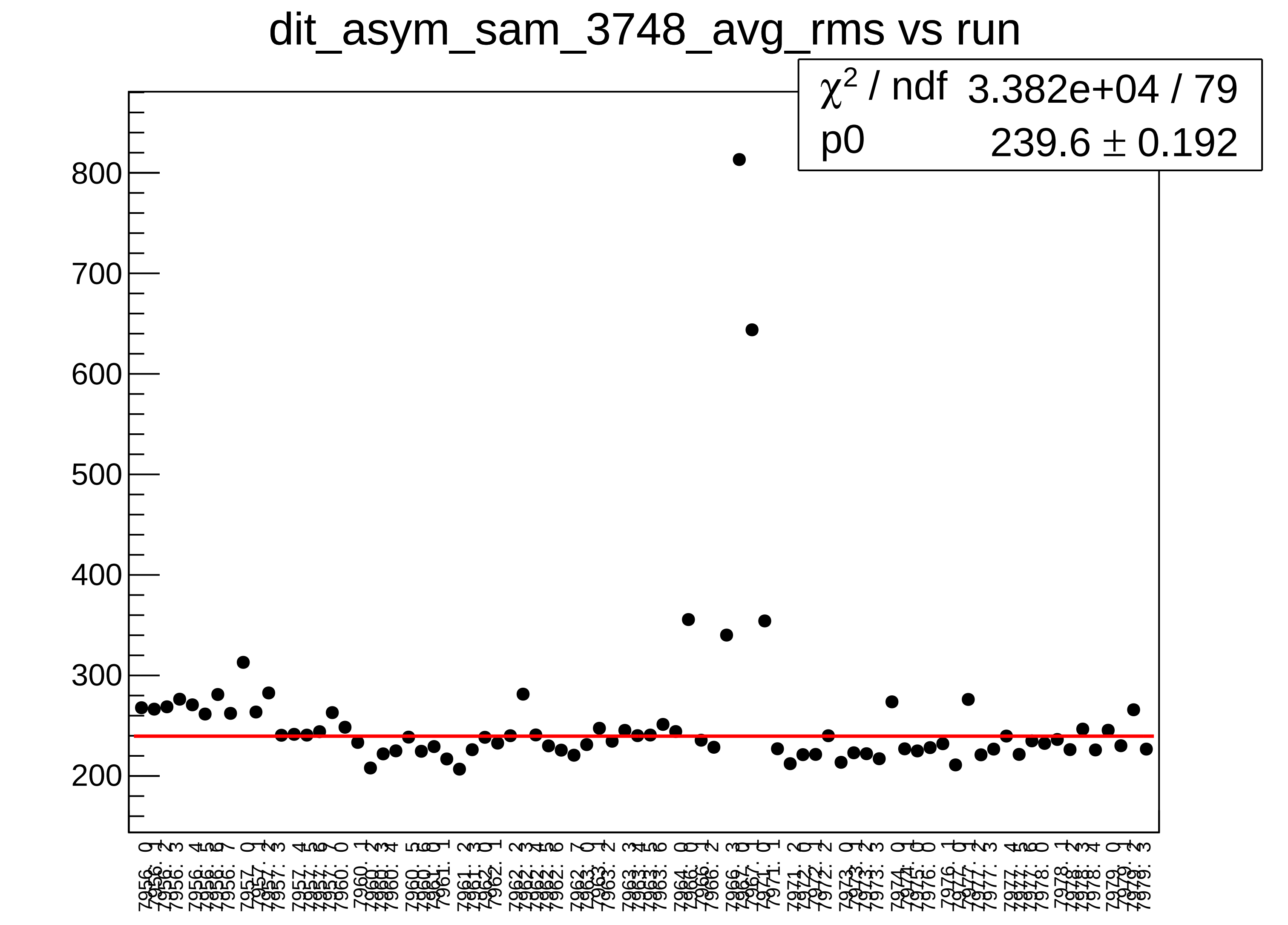
asym_sam_1548_avg_mean vs run
χ^2 / ndf 91.06 / 79
p0 −780.2 ± 1717
$\times 10^3$
pull
Entries 80
Mean −4963
Std Dev 5000
pull1D
Entries 80
Mean 0.0006079
Std Dev 1.067



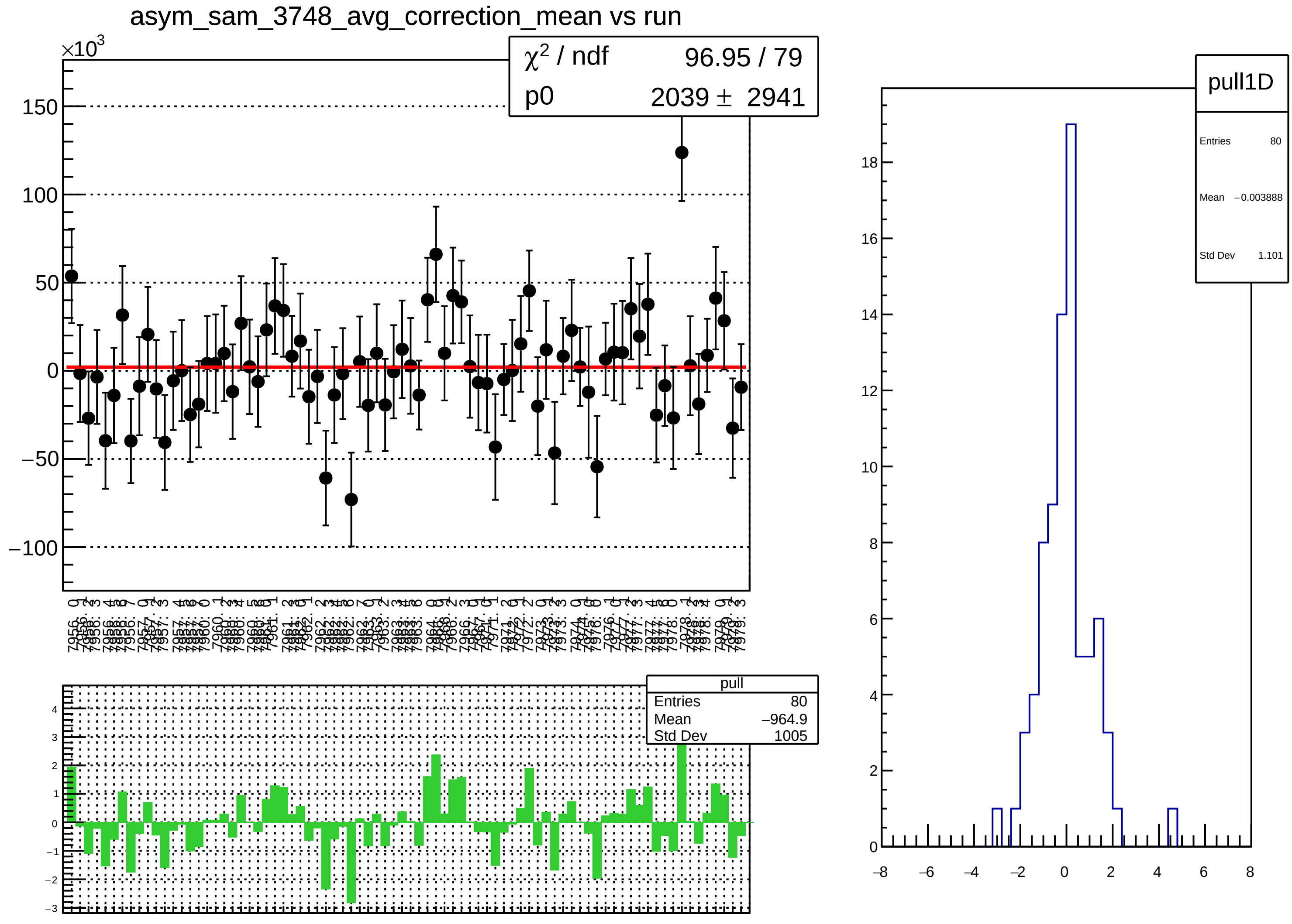
asym_sam_1548_avg_rms vs run
χ^2 / ndf 3731 / 79
p0 1530 ± 1.214
2000
1900
1800
1700
1600
1500
1400



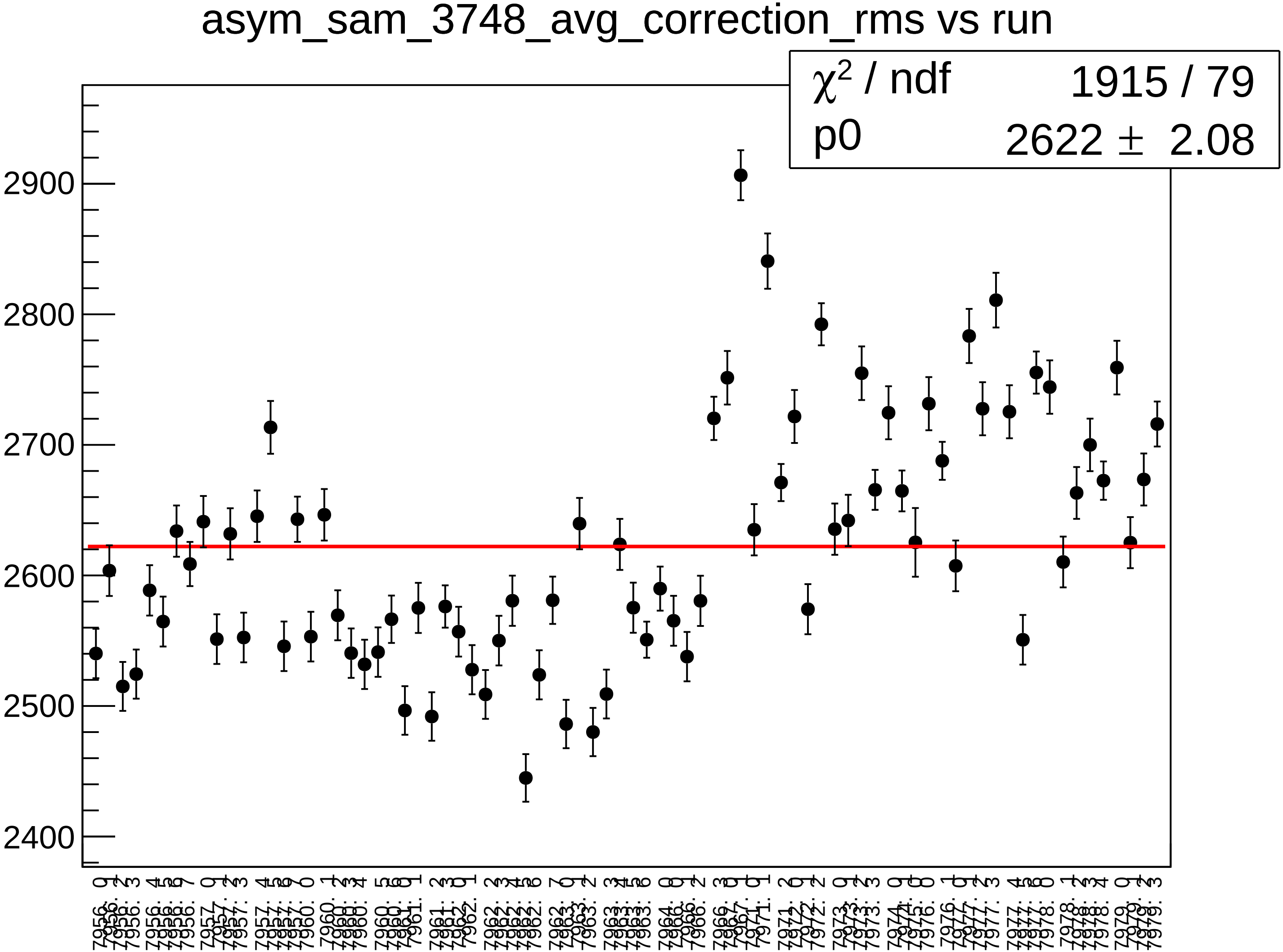
dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 79.06 / 79
p0 128.8 ± 271.5
pull
Entries 80
Mean −92.94
Std Dev 119.3
pull1D
Entries 80
Mean −0.02171
Std Dev 0.9939

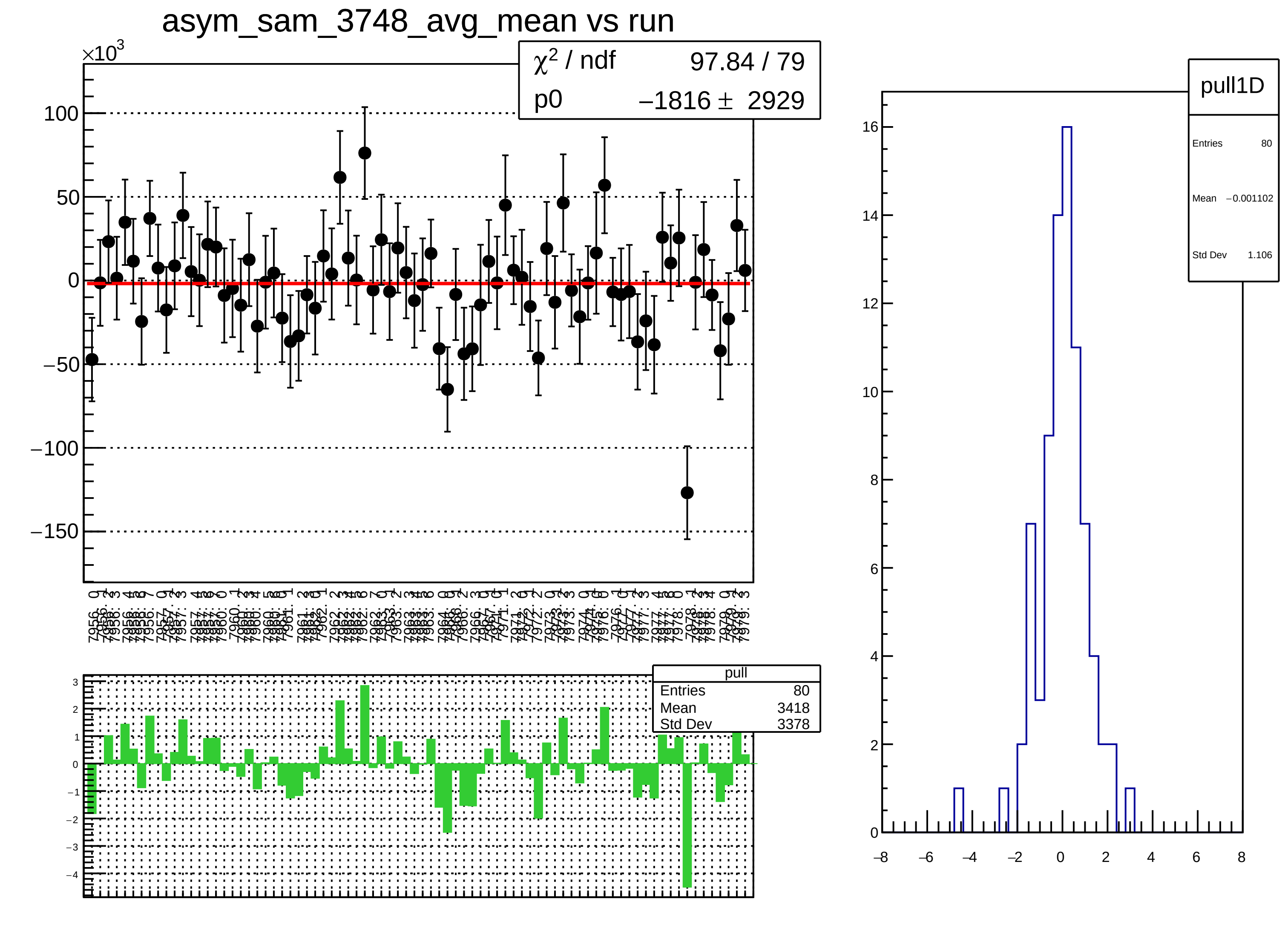


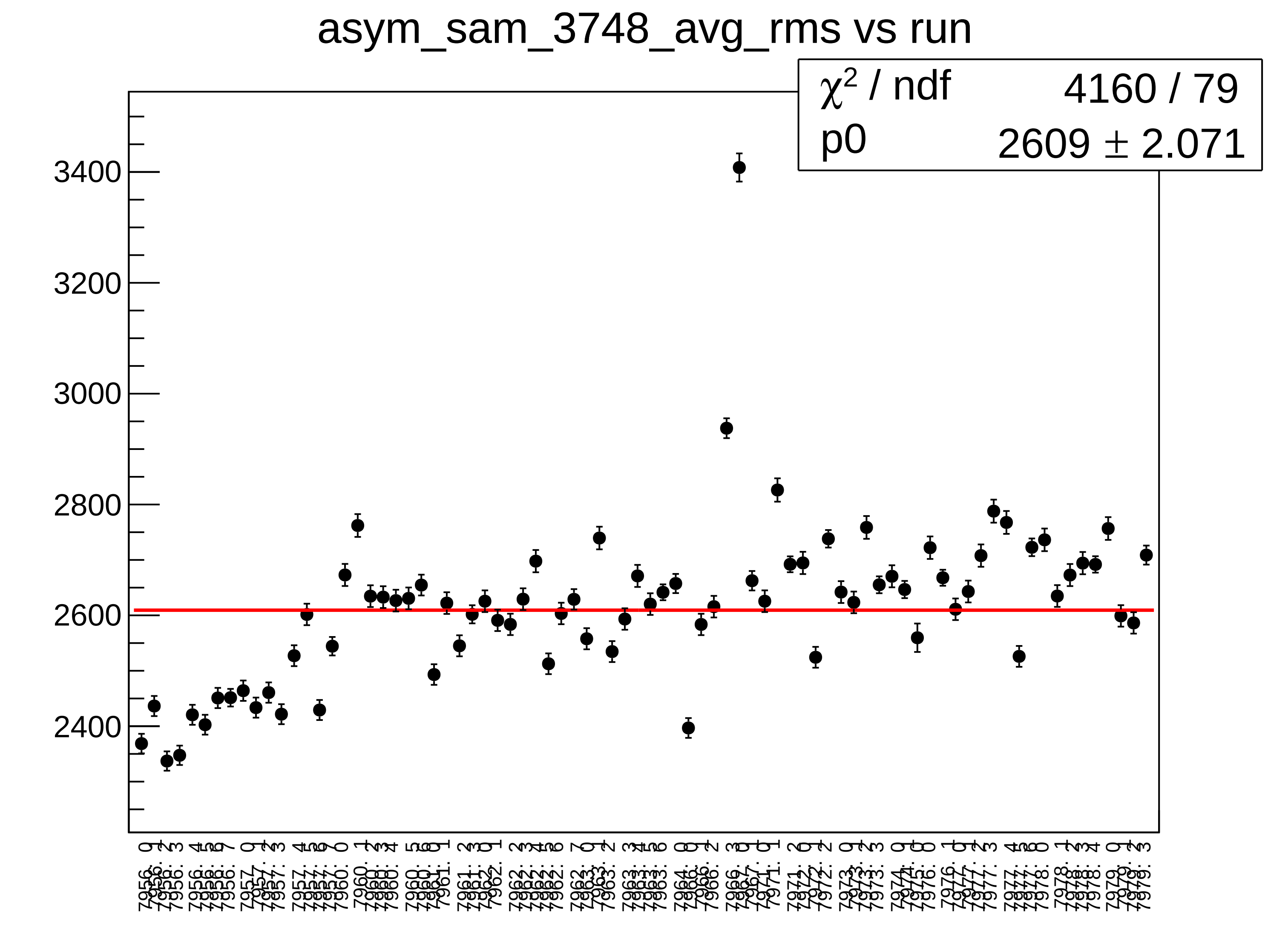
dit_asym_sam_3748_avg_rms vs run
χ2 / ndf 3.382e+04 / 79
p0 239.6 ± 0.192



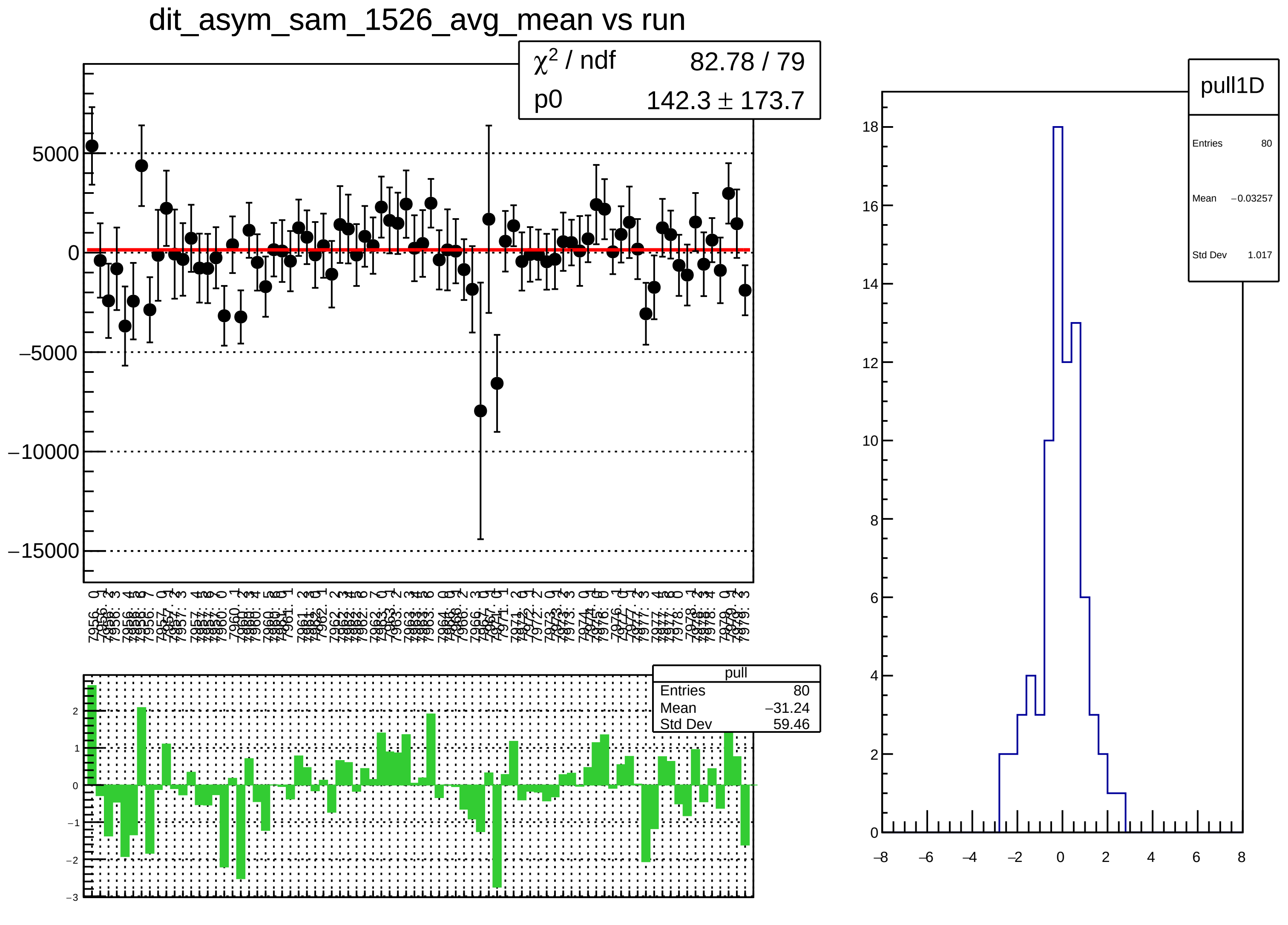
asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 96.95 / 79
p0 2039 ± 2941
pull
Entries 80
Mean −964.9
Std Dev 1005
pull1D
Entries 80
Mean −0.003888
Std Dev 1.101


asym_sam_3748_avg_correction_rms vs run
χ2 / ndf 1915 / 79
p0 2622 ± 2.08
2900
2800
2700
2600
2500
2400

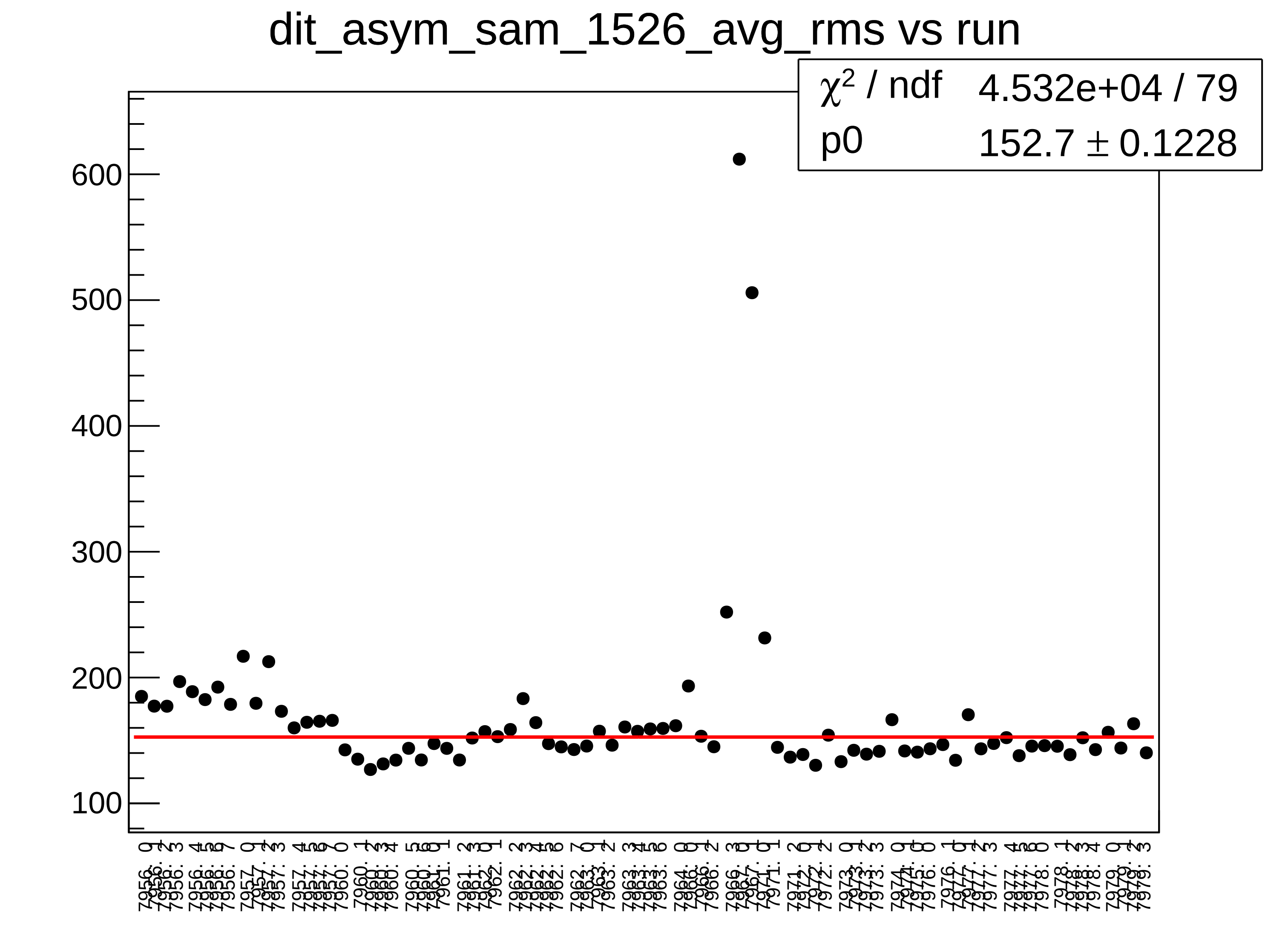

asym_sam_3748_avg_mean vs run
$\times10^3$
χ^2 / ndf 97.84 / 79
p0 −1816 ± 2929
pull
Entries 80
Mean 3418
Std Dev 3378
pull1D
Entries 80
Mean −0.001102
Std Dev 1.106



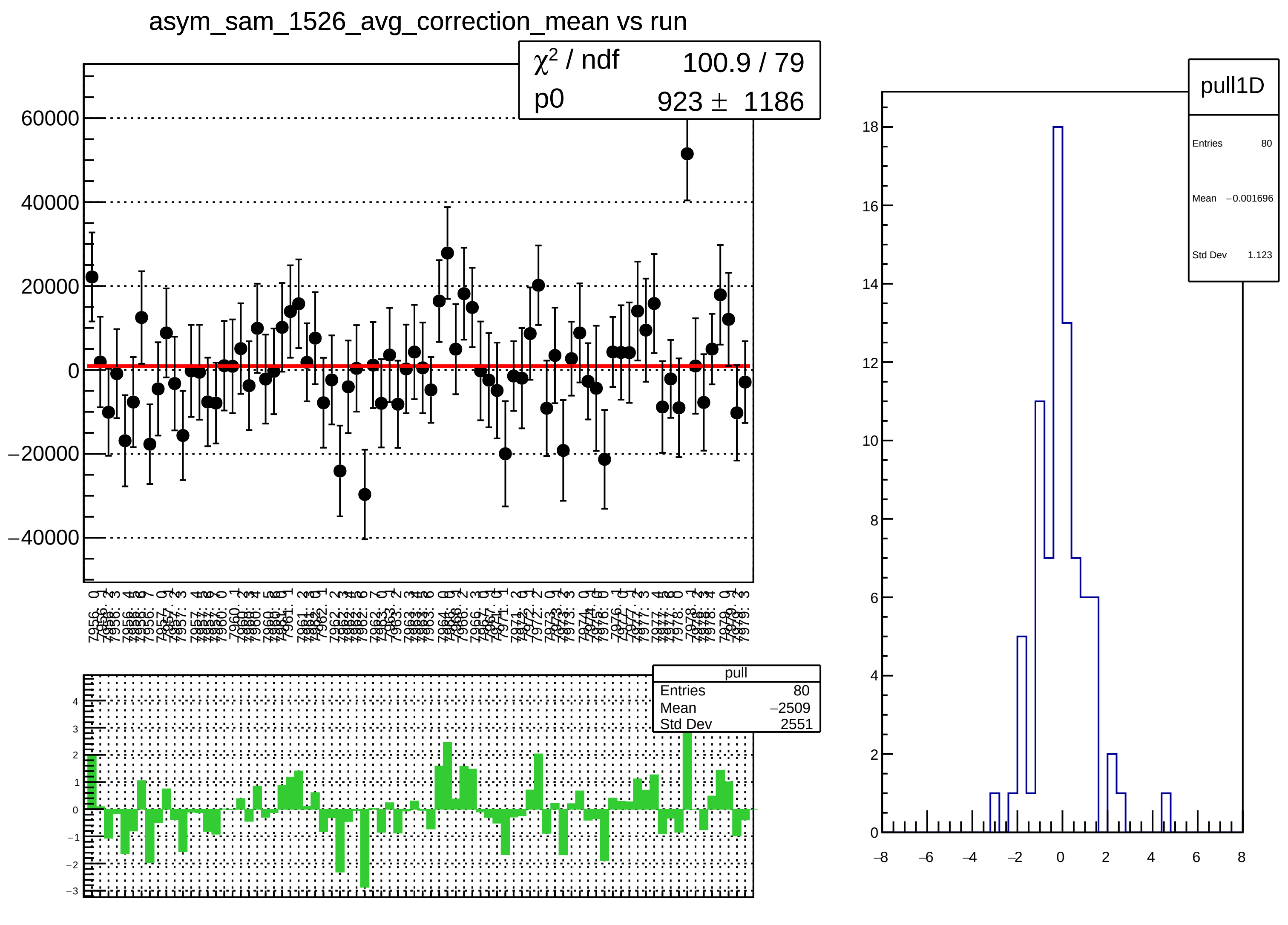
asym_sam_3748_avg_rms vs run
χ^2 / ndf 4160 / 79
p0 2609 ± 2.071
3400
3200
3000
2800
2600
2400

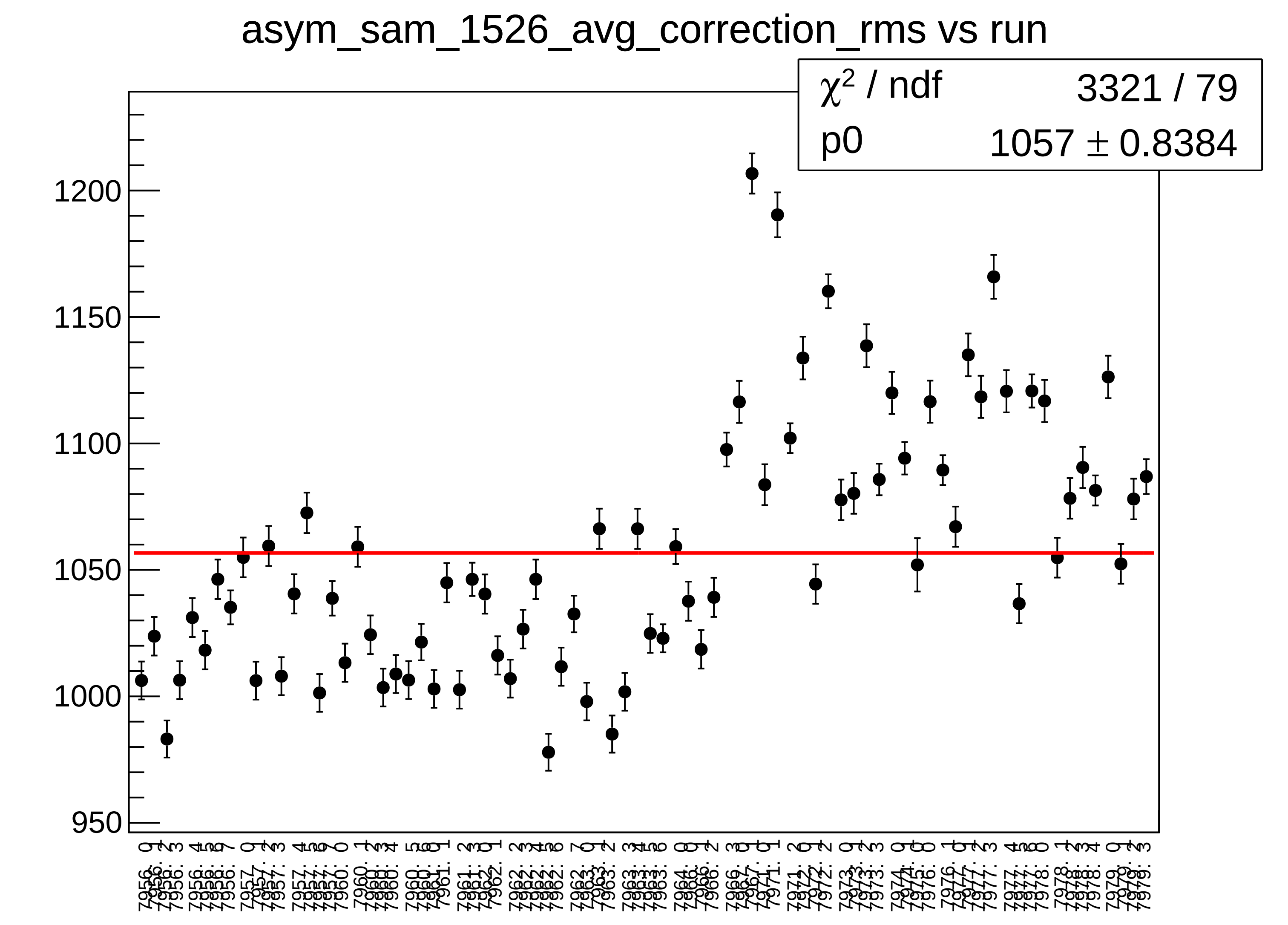


dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 82.78 / 79
p0 142.3 ± 173.7
5000
0
−5000
−10000
−15000
pull
Entries 80
Mean −31.24
Std Dev 59.46
pull1D
Entries 80
Mean −0.03257
Std Dev 1.017

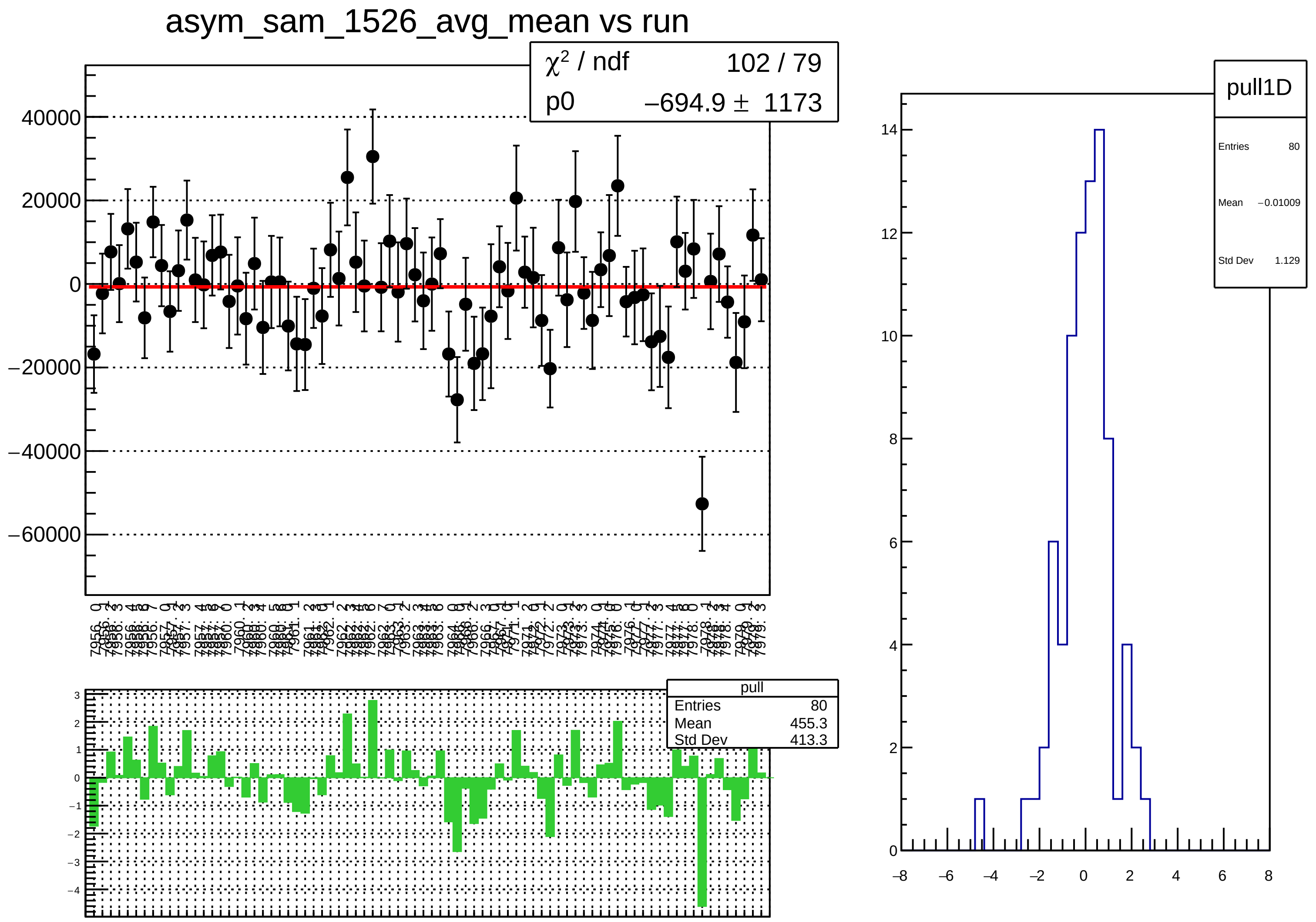


dit_asym_sam_1526_avg_rms vs run
χ2 / ndf 4.532e+04 / 79
p0 152.7 ± 0.1228
600
500
400
300
200
100

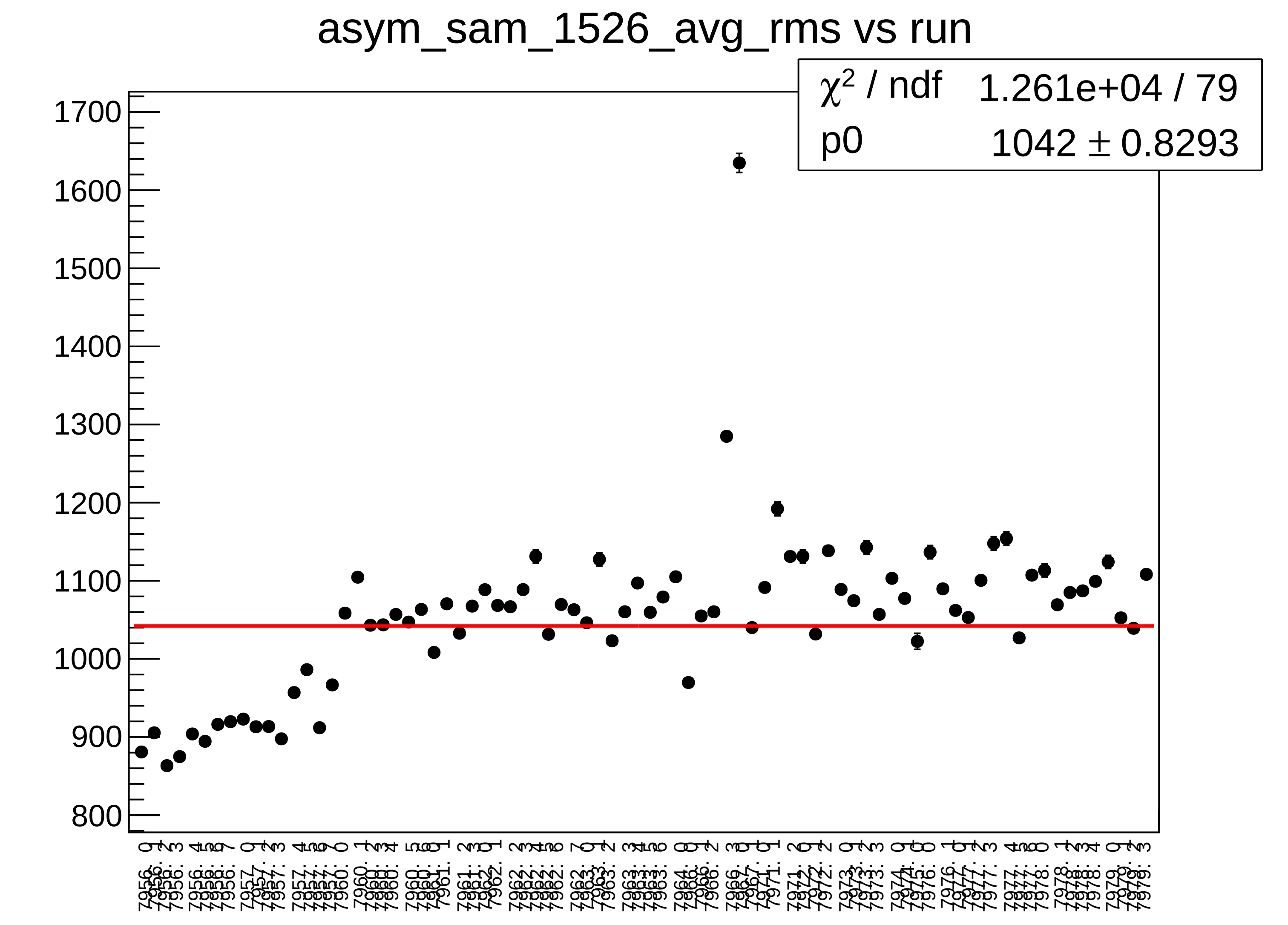

asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 100.9 / 79
p0 923 ± 1186
pull
Entries 80
Mean −2509
Std Dev 2551
pull1D
Entries 80
Mean −0.001696
Std Dev 1.123



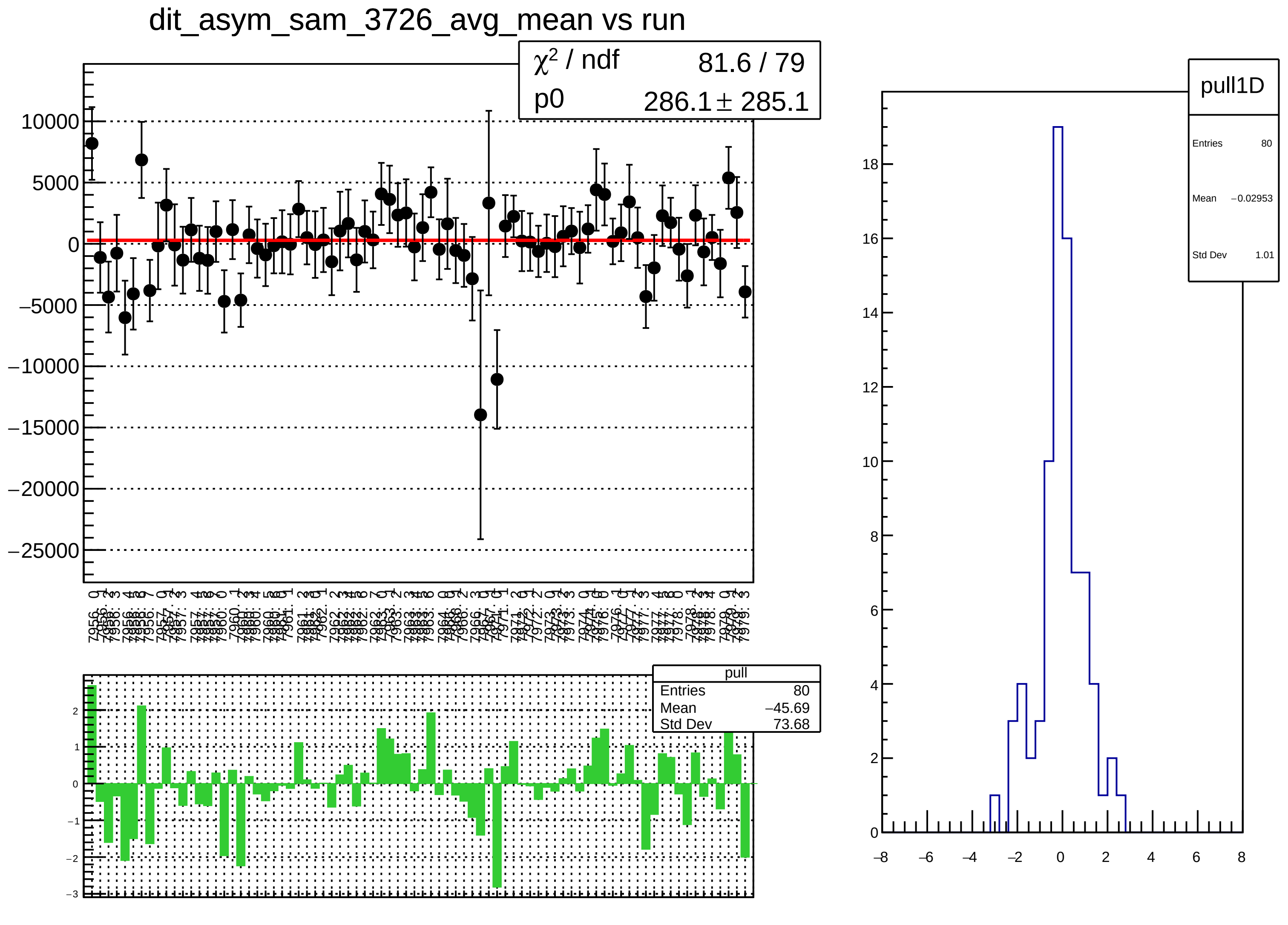
asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 3321 / 79
p0 1057 ± 0.8384
1200
1150
1100
1050
1000
950



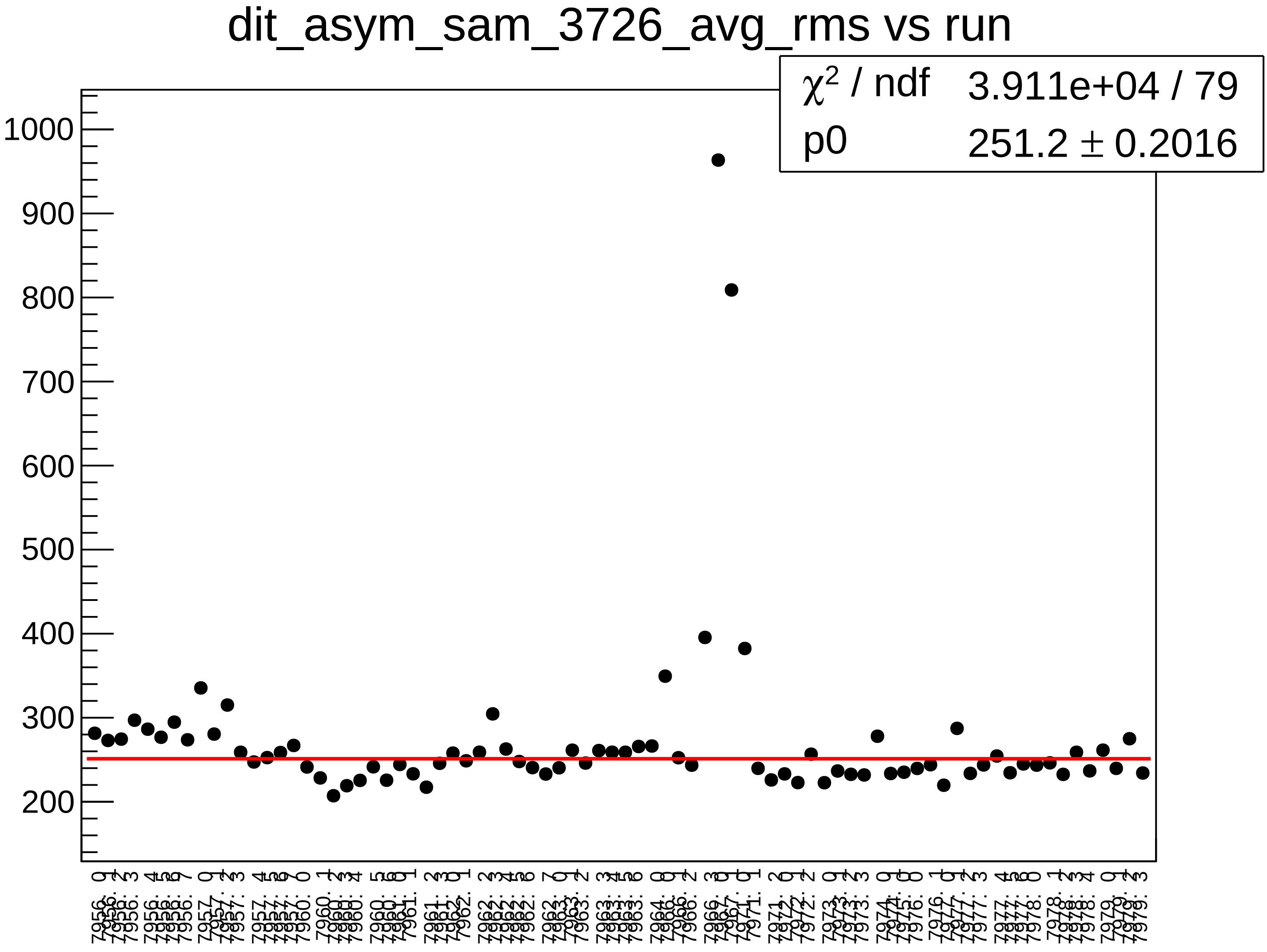
asym_sam_1526_avg_mean vs run
χ^2 / ndf 102 / 79
p0 −694.9 ± 1173
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean 455.3
Std Dev 413.3
pull1D
Entries 80
Mean −0.01009
Std Dev 1.129

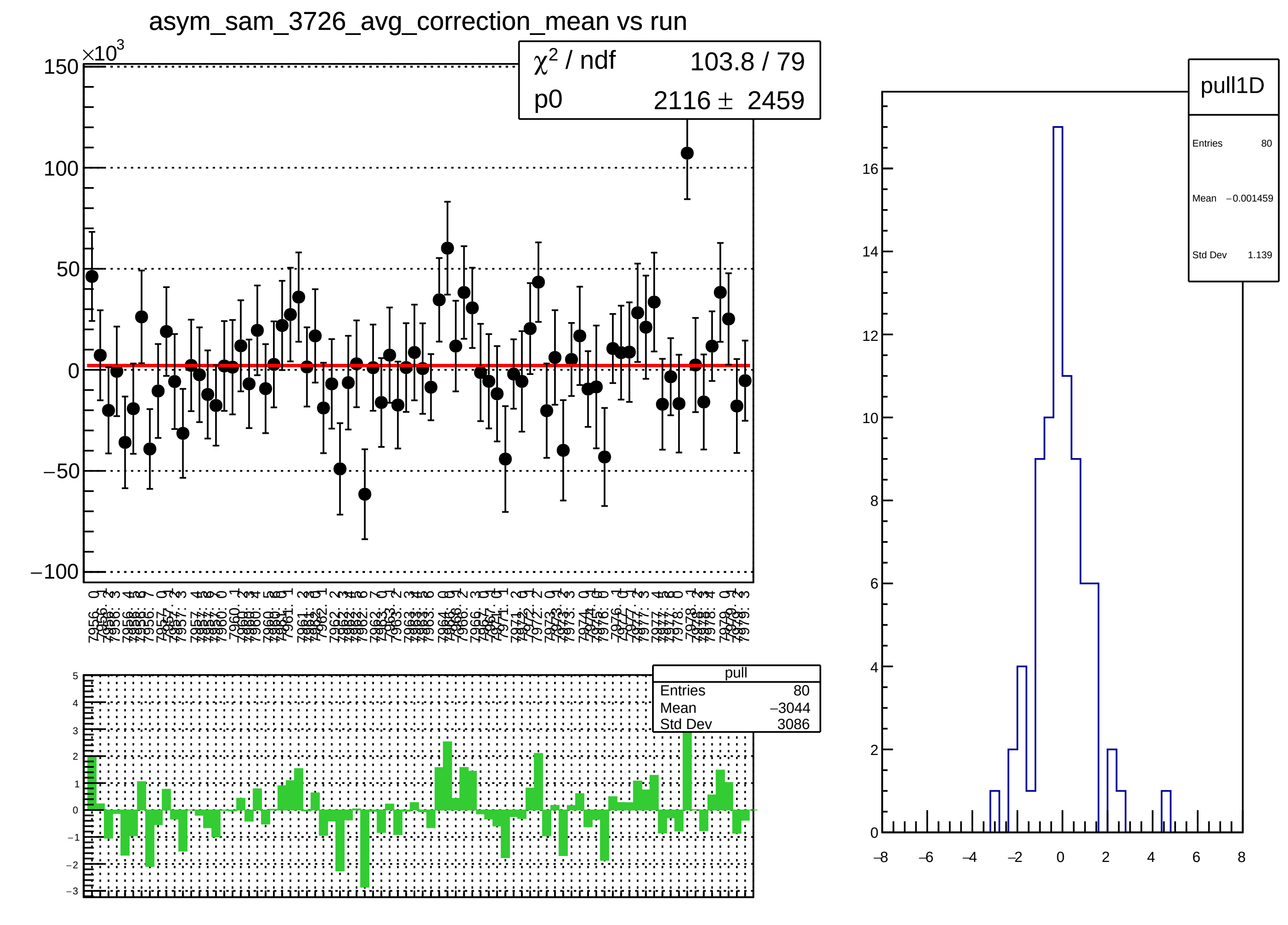


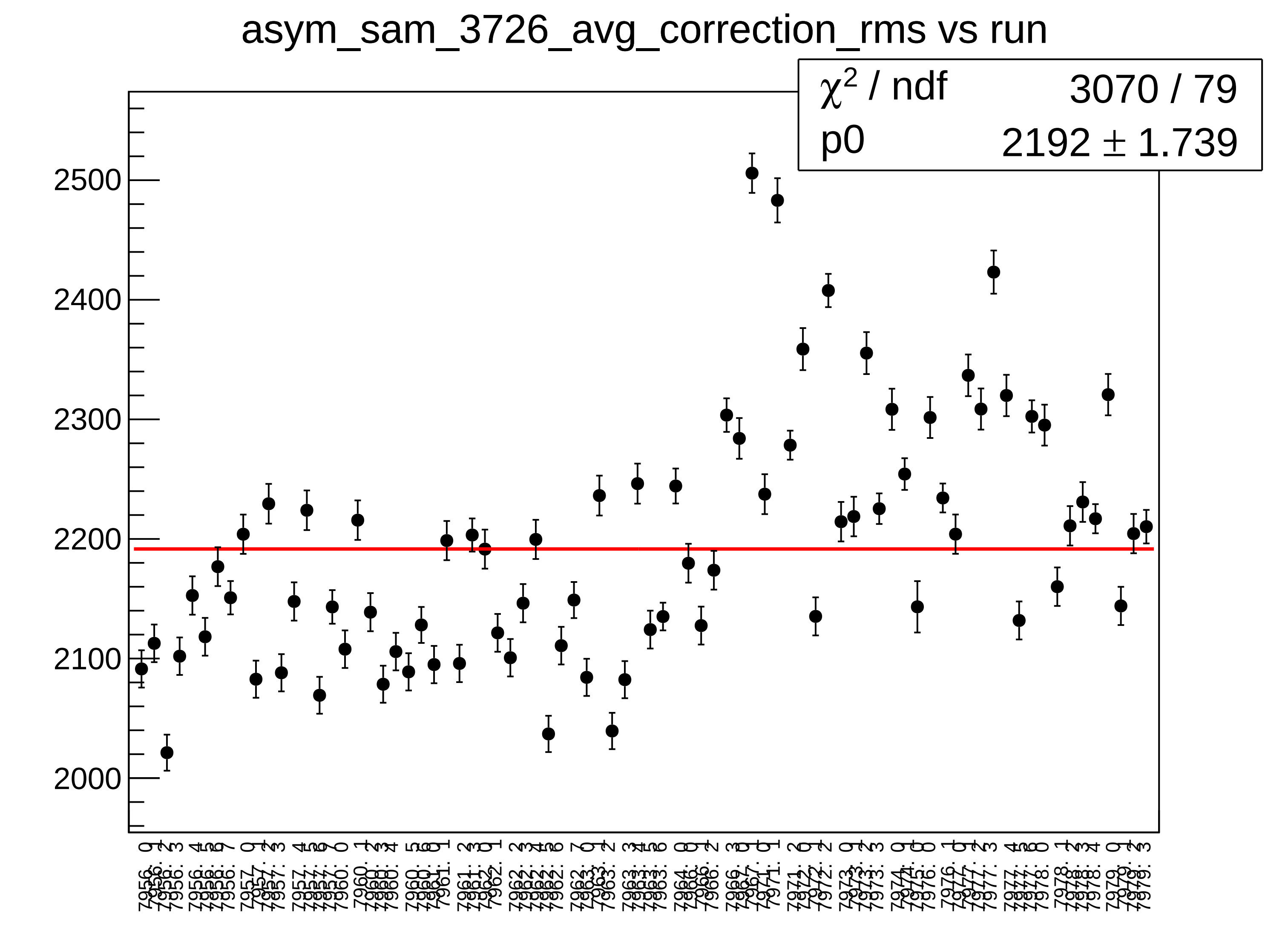
asym_sam_1526_avg_rms vs run
χ2 / ndf 1.261e+04 / 79
p0 1042 ± 0.8293
1700
1600
1500
1400
1300
1200
1100
1000
900
800



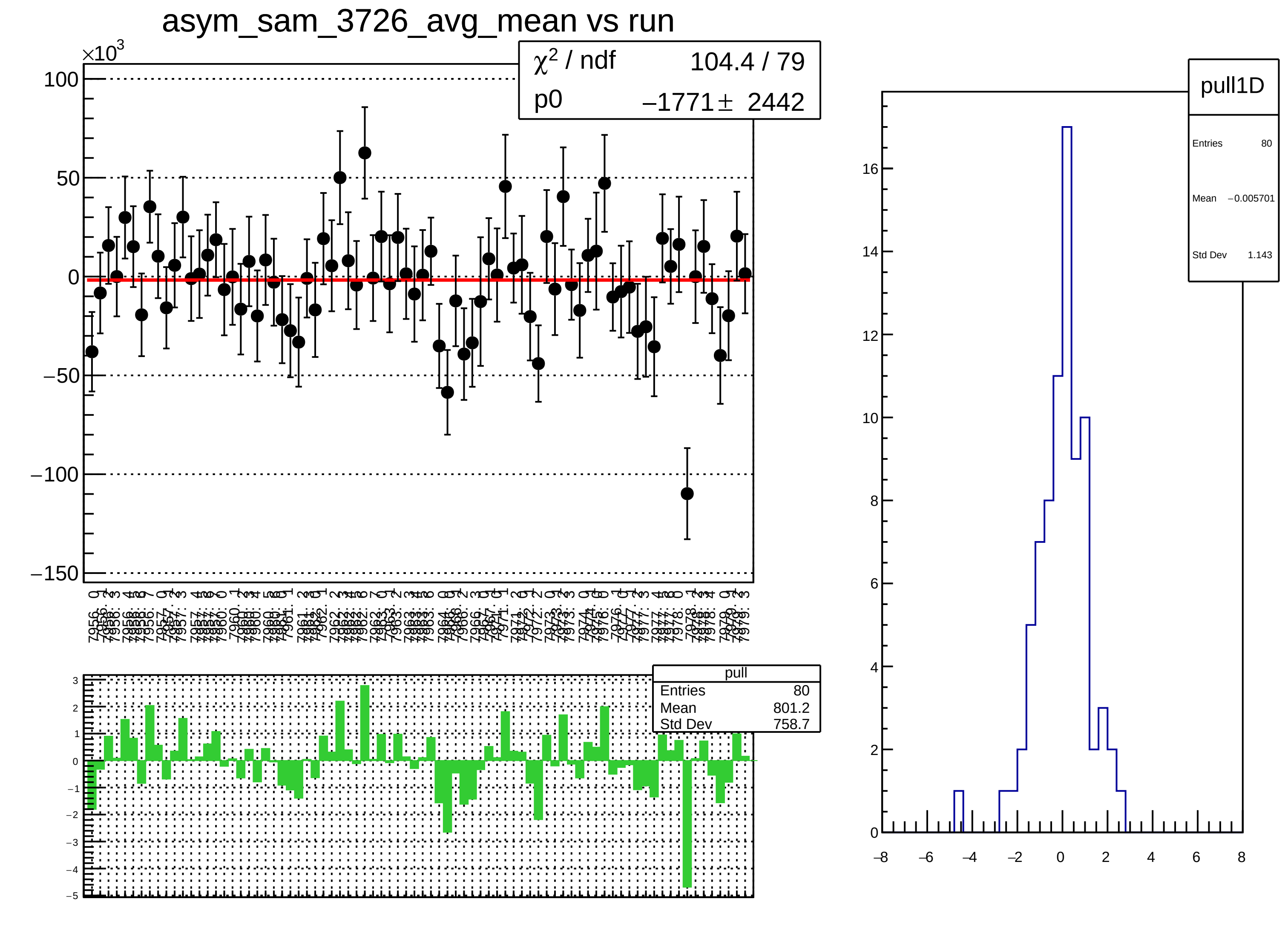
dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 81.6 / 79
p0 286.1 ± 285.1
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 80
Mean −45.69
Std Dev 73.68
pull1D
Entries 80
Mean −0.02953
Std Dev 1.01


dit_asym_sam_3726_avg_rms vs run
χ2 / ndf 3.911e+04 / 79
p0 251.2 ± 0.2016
1000
900
800
700
600
500
400
300
200

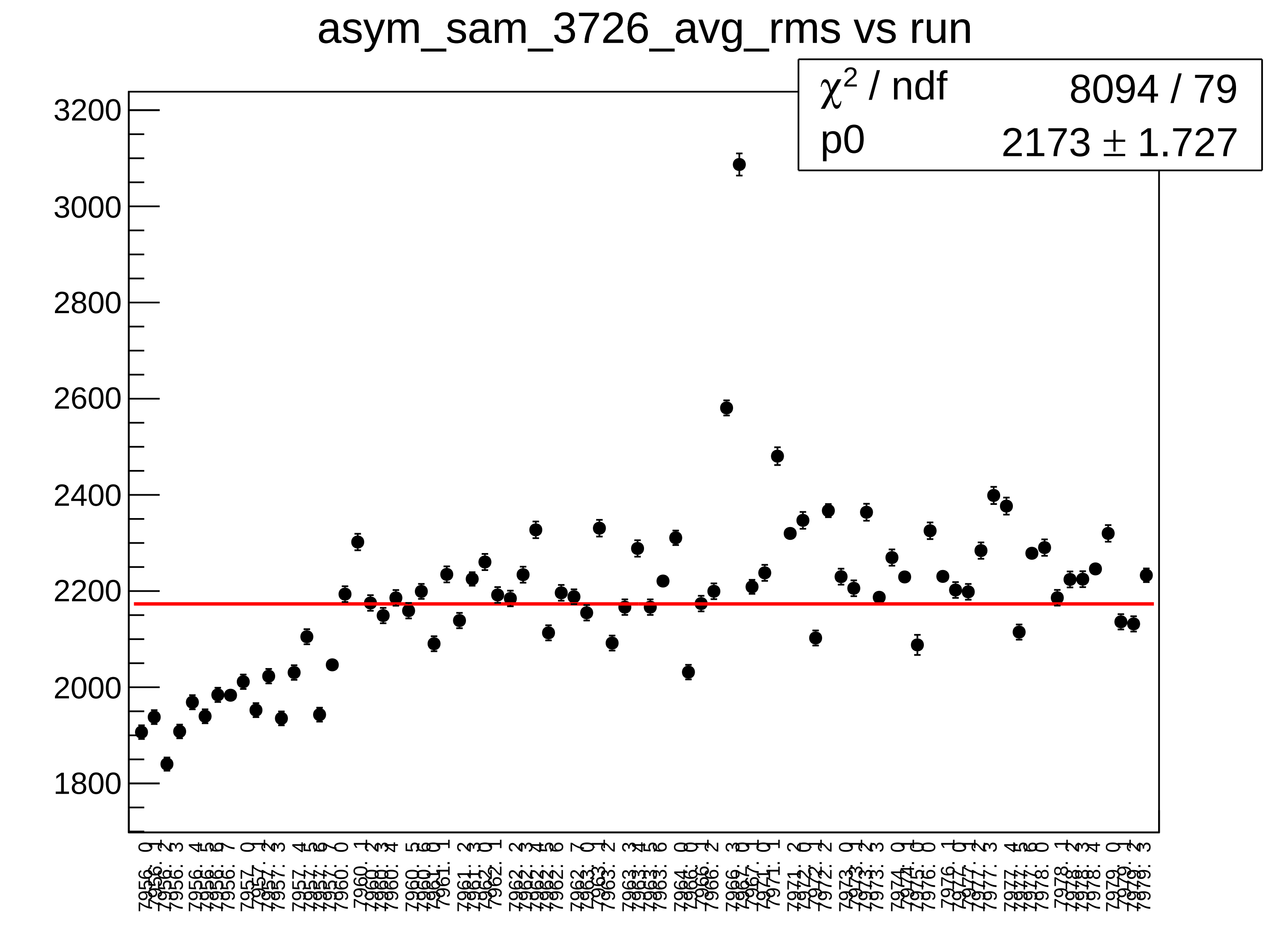

asym_sam_3726_avg_correction_mean vs run
×10^3
χ2 / ndf 103.8 / 79
p0 2116 ± 2459
pull
Entries 80
Mean −3044
Std Dev 3086
pull1D
Entries 80
Mean −0.001459
Std Dev 1.139

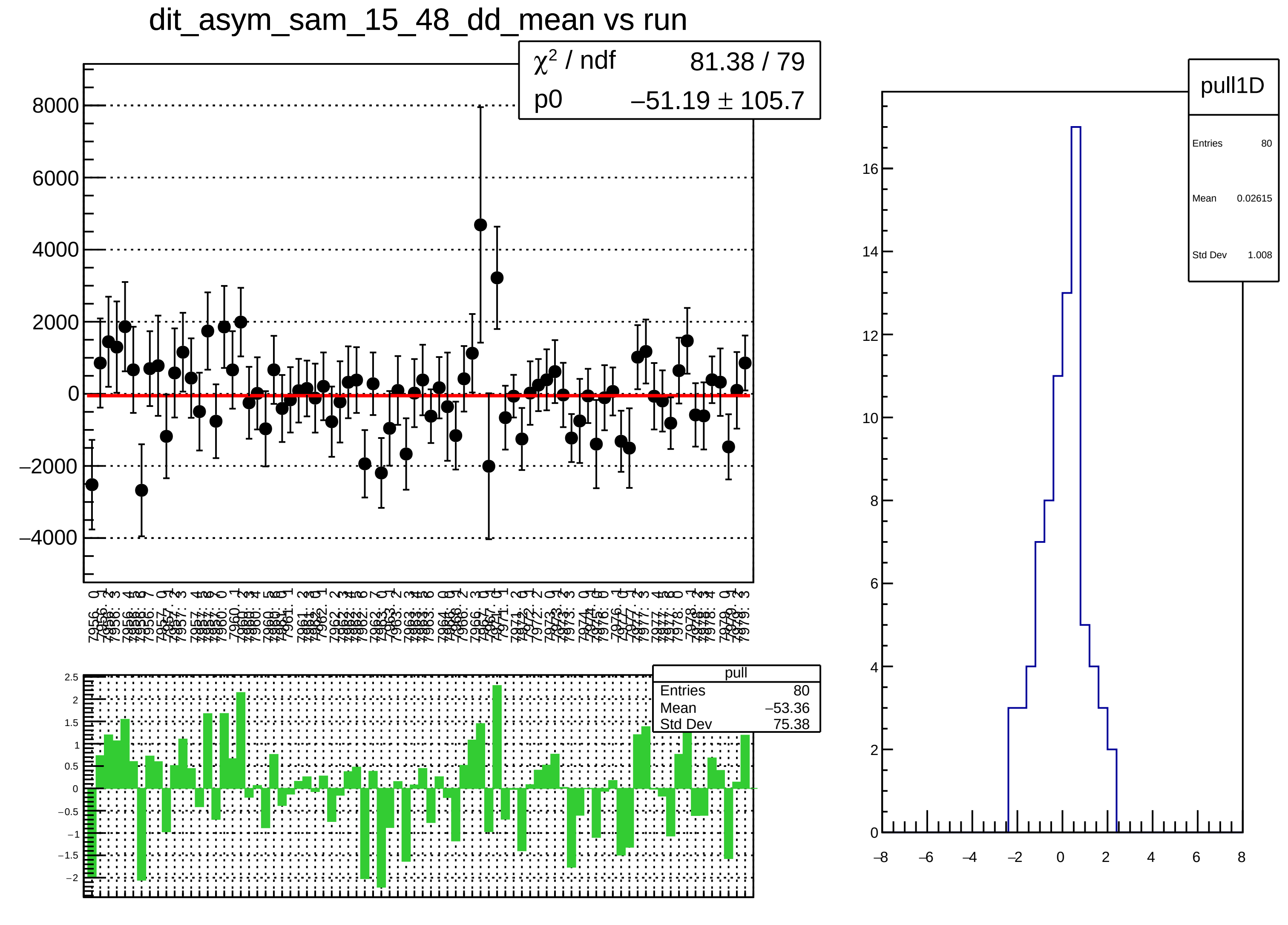


asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 3070 / 79
p0 2192 ± 1.739
2500
2400
2300
2200
2100
2000

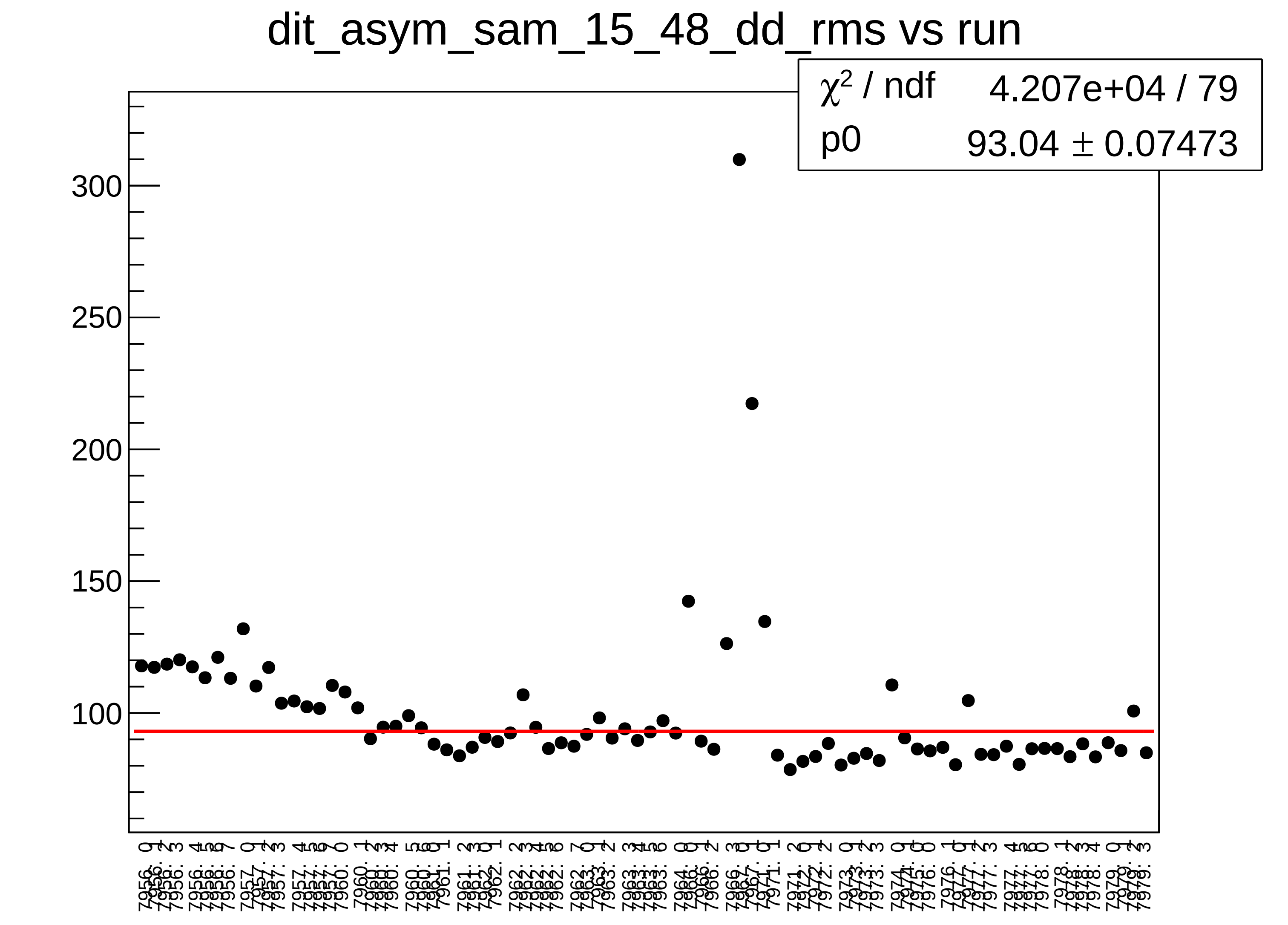


asym_sam_3726_avg_mean vs run
$\times10^3$
χ^2 / ndf 104.4 / 79
p0 −1771 ± 2442
pull
Entries 80
Mean 801.2
Std Dev 758.7
pull1D
Entries 80
Mean −0.005701
Std Dev 1.143

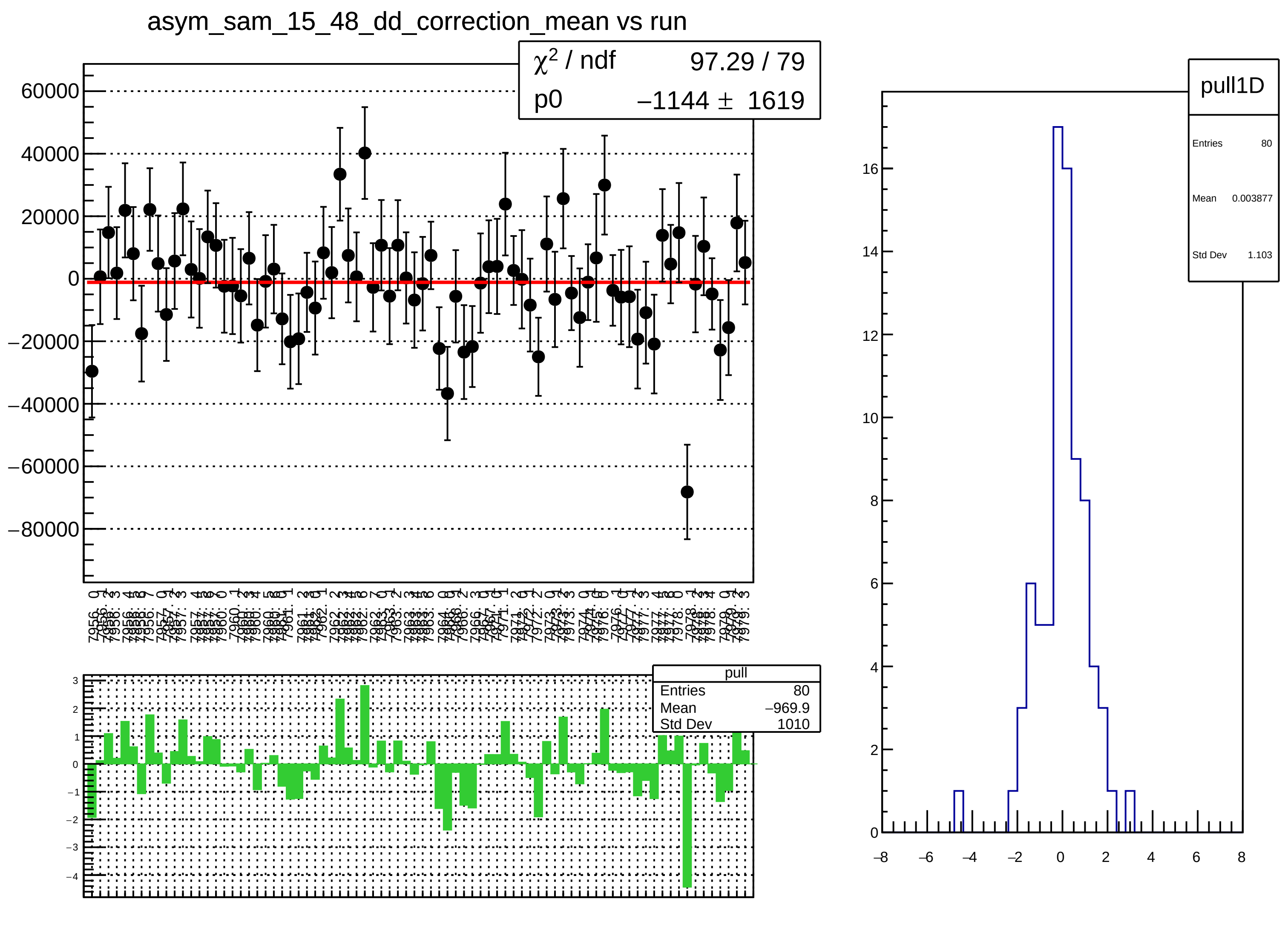

asym_sam_3726_avg_rms vs run
χ^2 / ndf 8094 / 79
p0 2173 ± 1.727
3200
3000
2800
2600
2400
2200
2000
1800

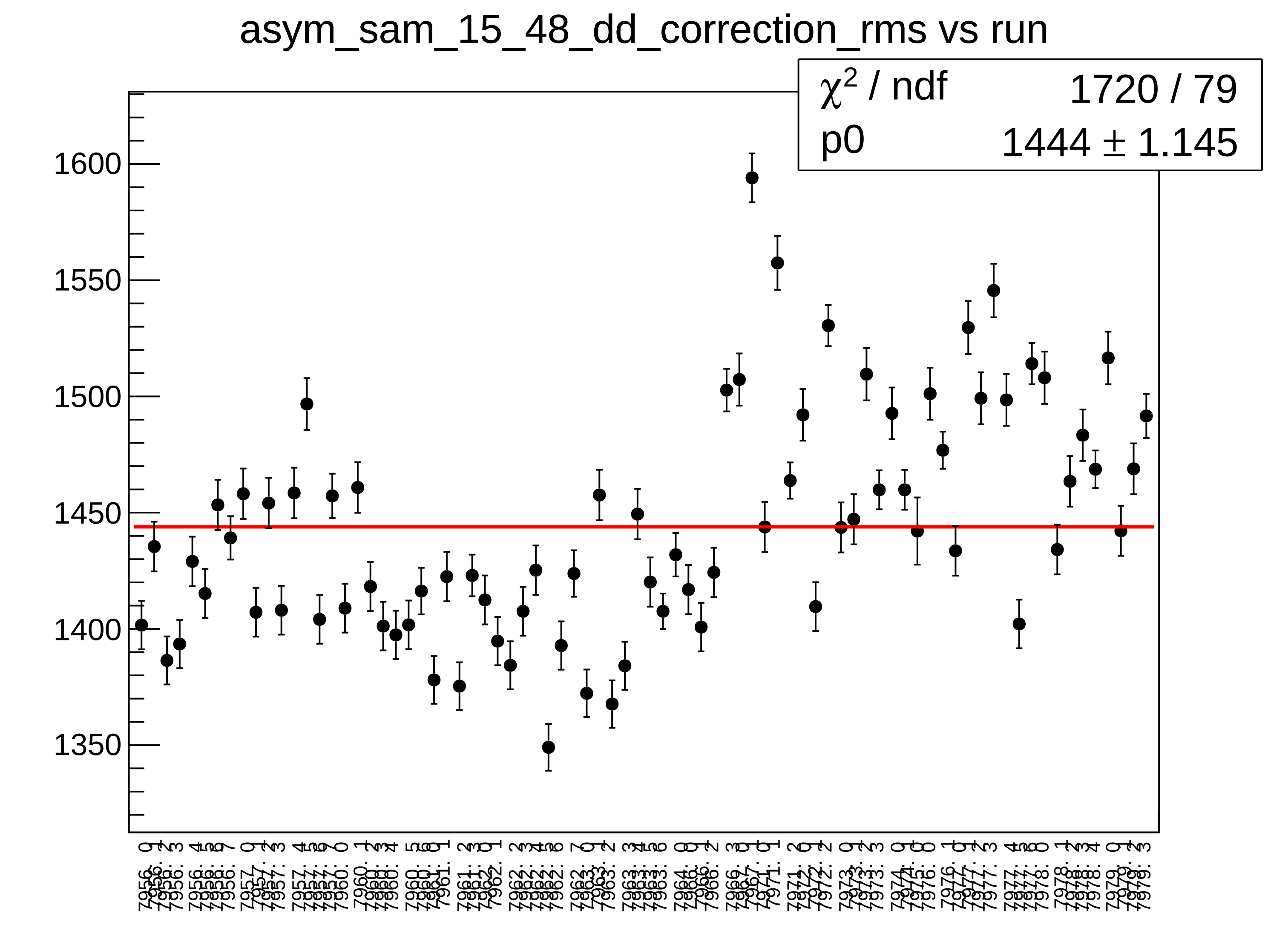


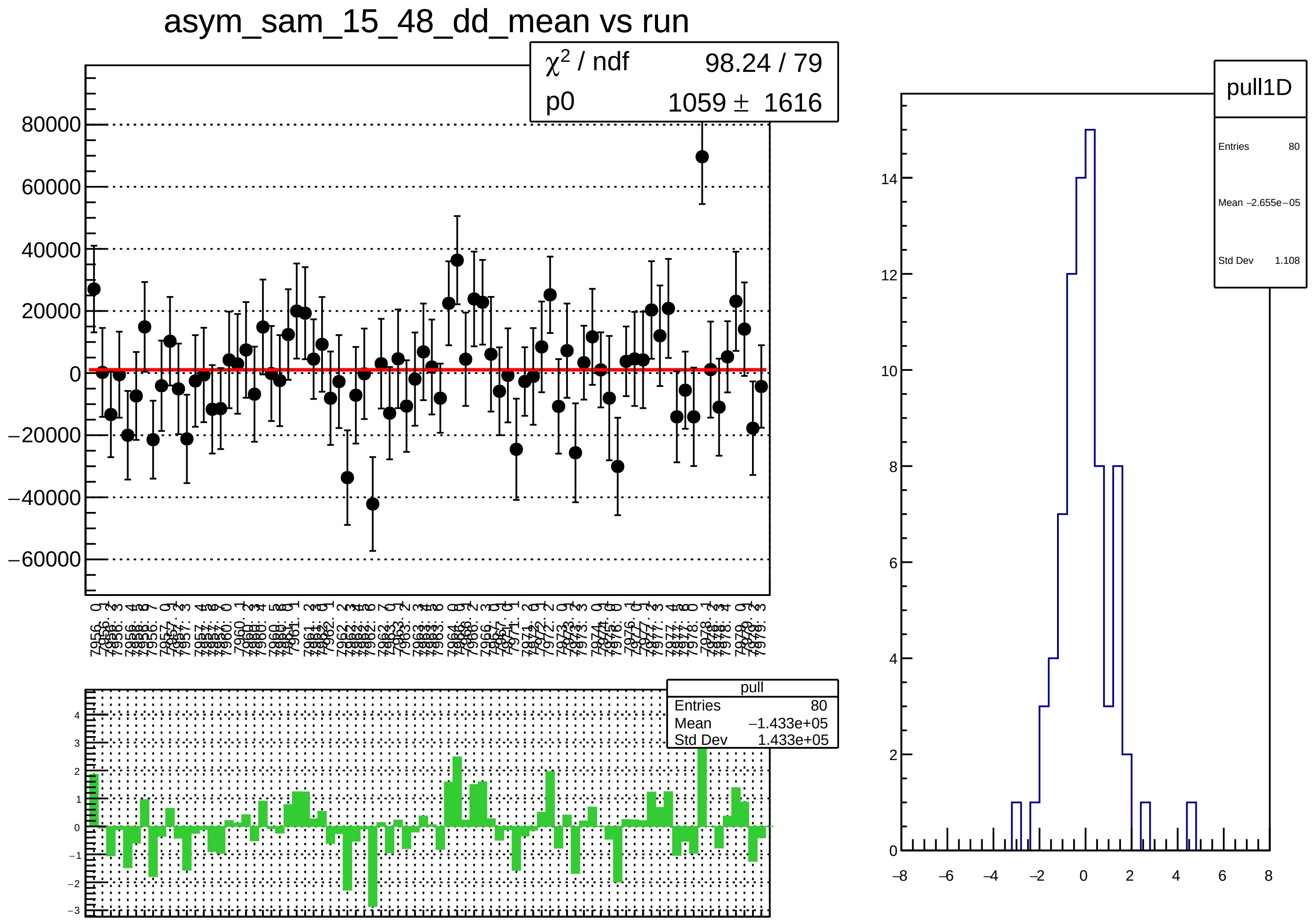
dit_asym_sam_15_48_dd_mean vs run
χ2 / ndf 81.38 / 79
p0 −51.19 ± 105.7
pull
Entries 80
Mean −53.36
Std Dev 75.38
pull1D
Entries 80
Mean 0.02615
Std Dev 1.008



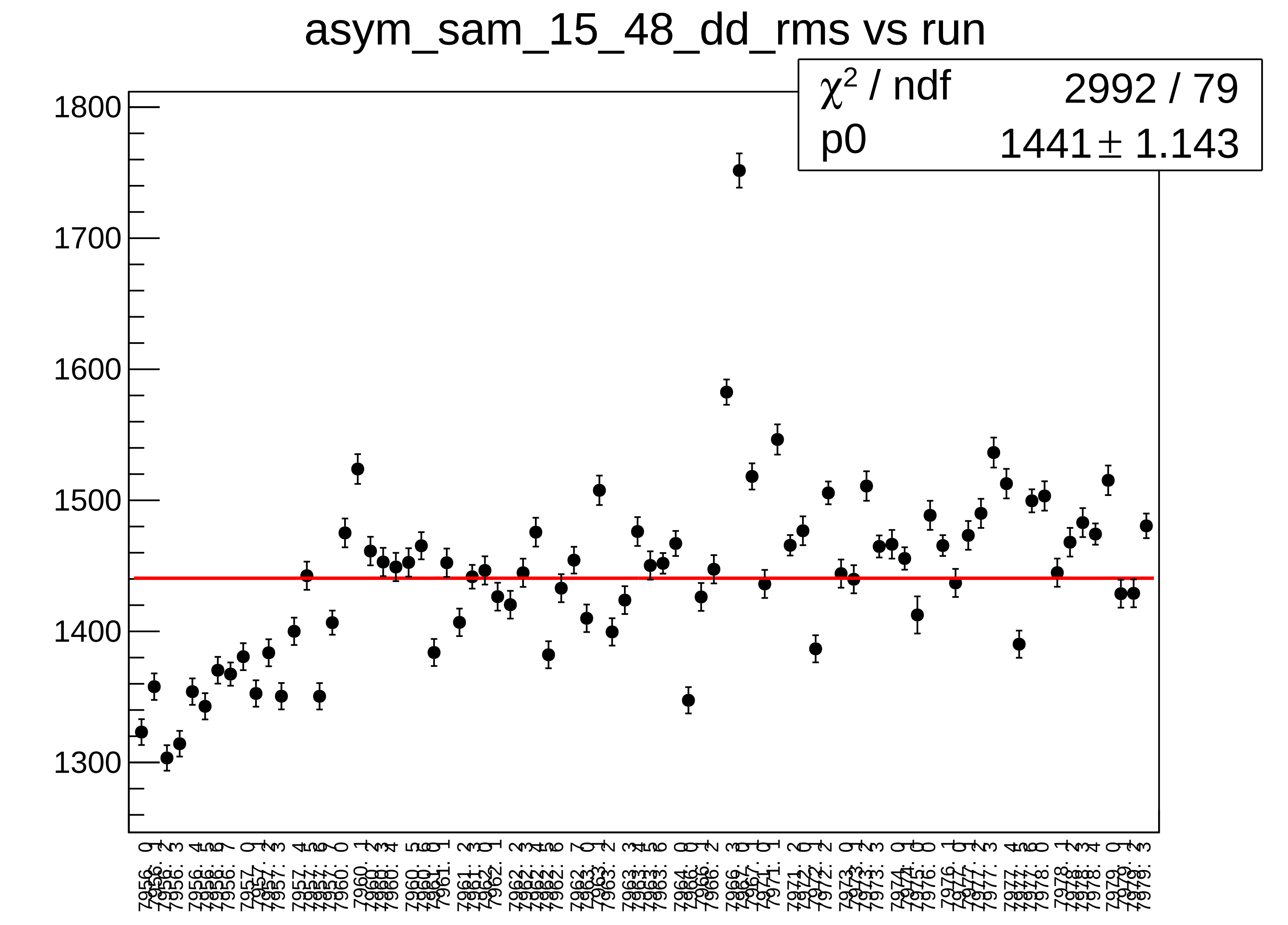
dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 4.207e+04 / 79
p0 93.04 ± 0.07473
300
250
200
150
100

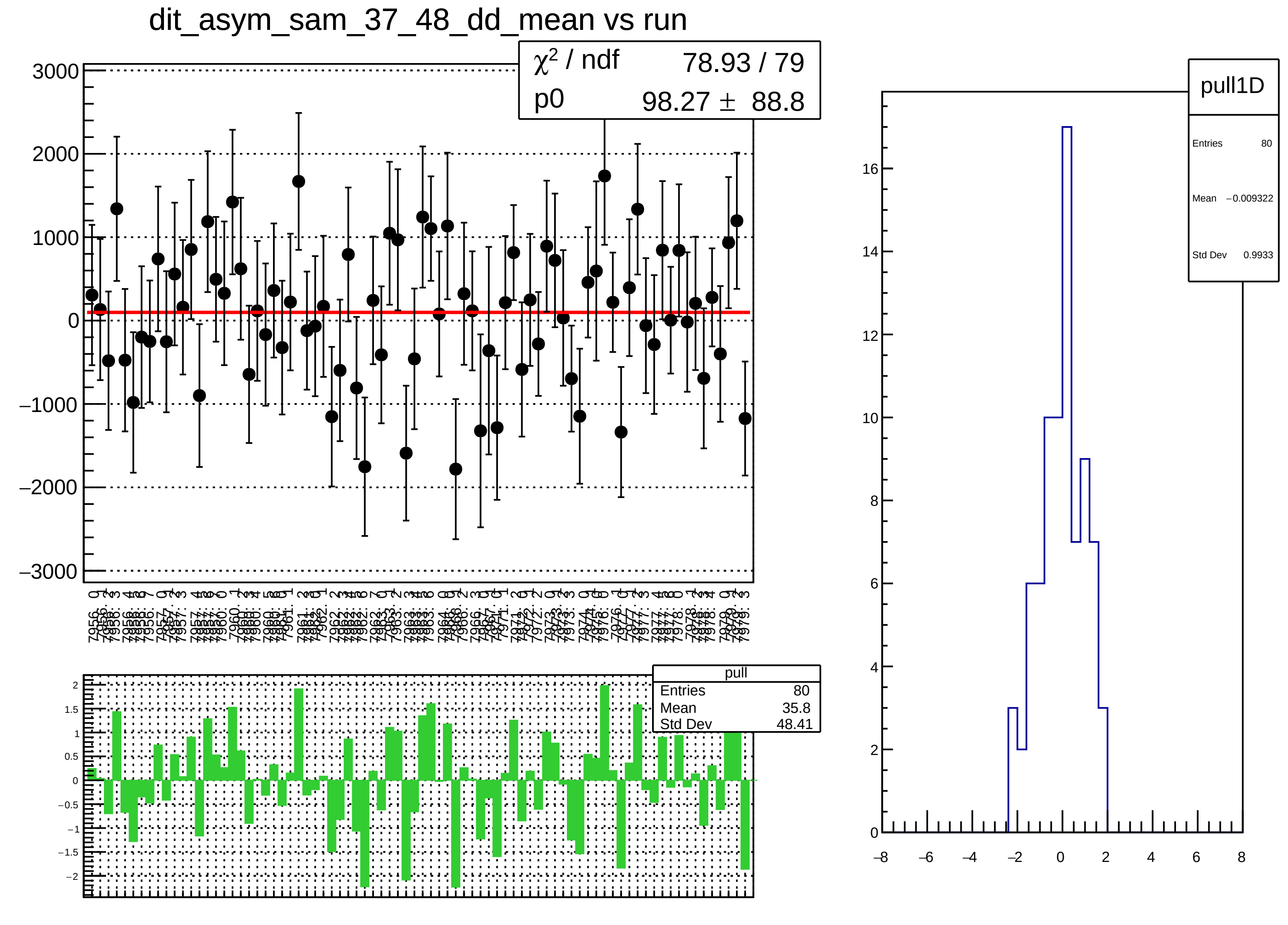

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 97.29 / 79
p0 −1144 ± 1619
pull
Entries 80
Mean −969.9
Std Dev 1010
pull1D
Entries 80
Mean 0.003877
Std Dev 1.103


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 1720 / 79
p0 1444 ± 1.145
1600
1550
1500
1450
1400
1350

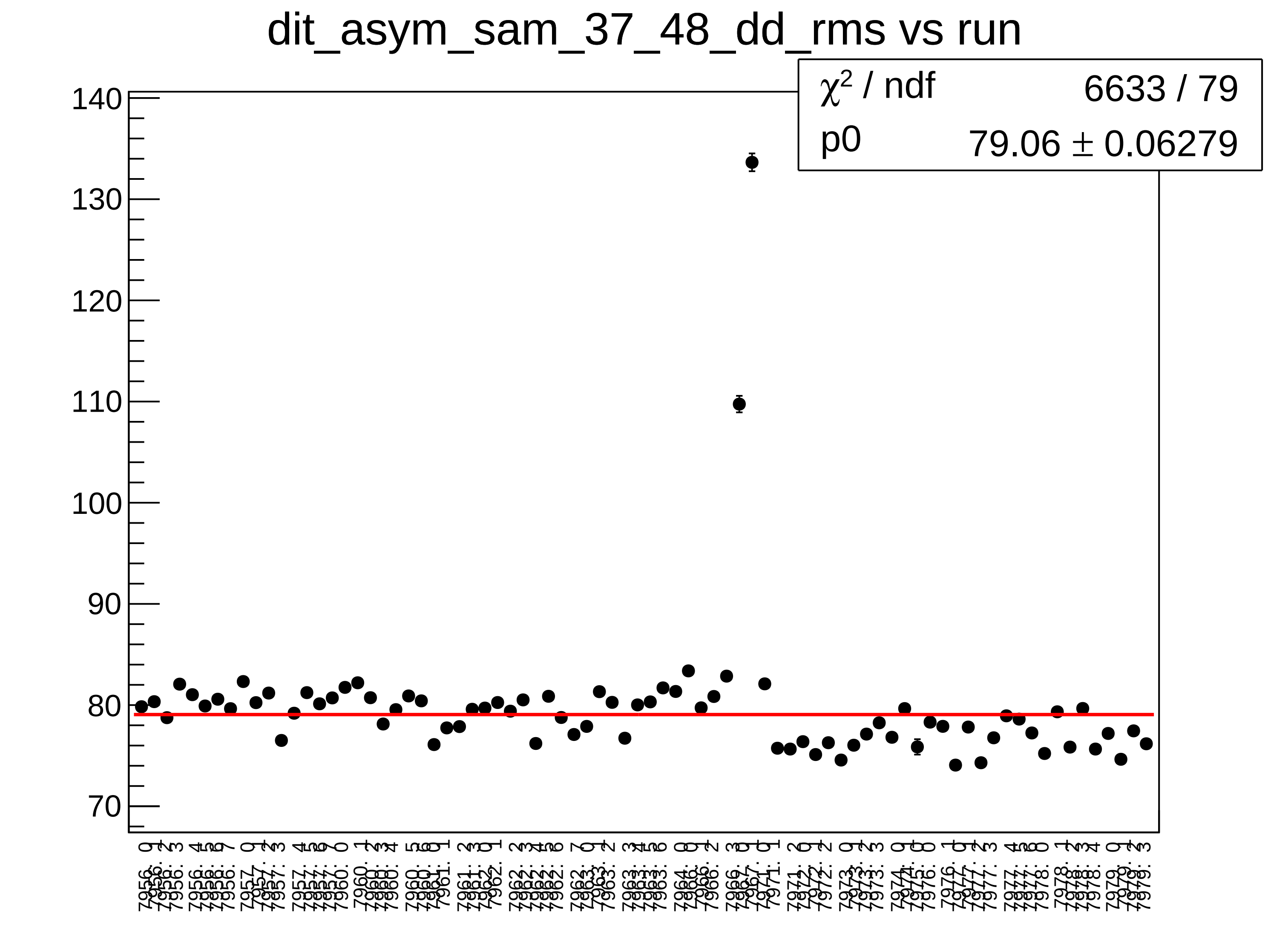


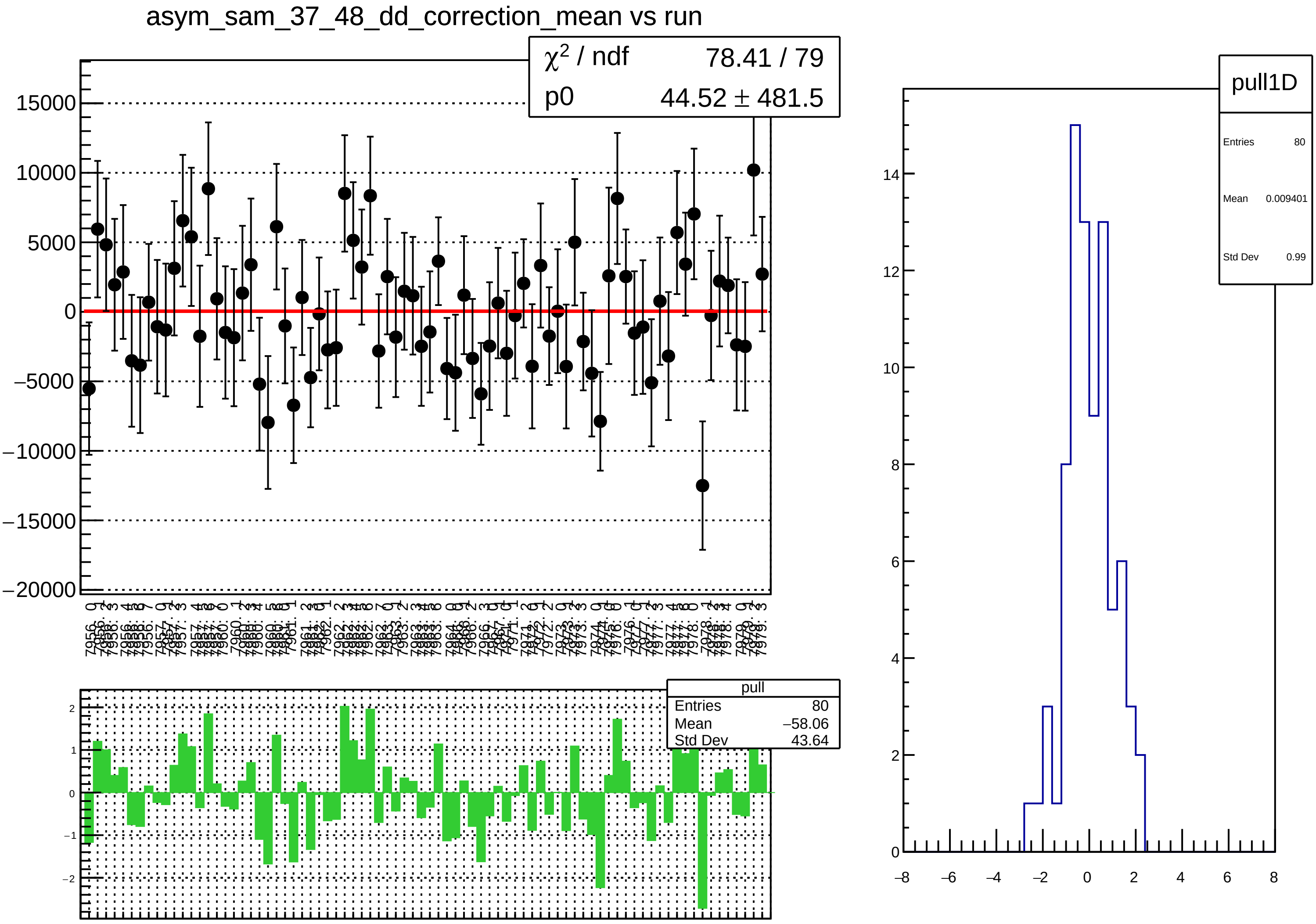
asym_sam_15_48_dd_mean vs run
χ2 / ndf 98.24 / 79
p0 1059 ± 1616
pull
Entries 80
Mean −1.433e+05
Std Dev 1.433e+05
pull1D
Entries 80
Mean −2.655e−05
Std Dev 1.108

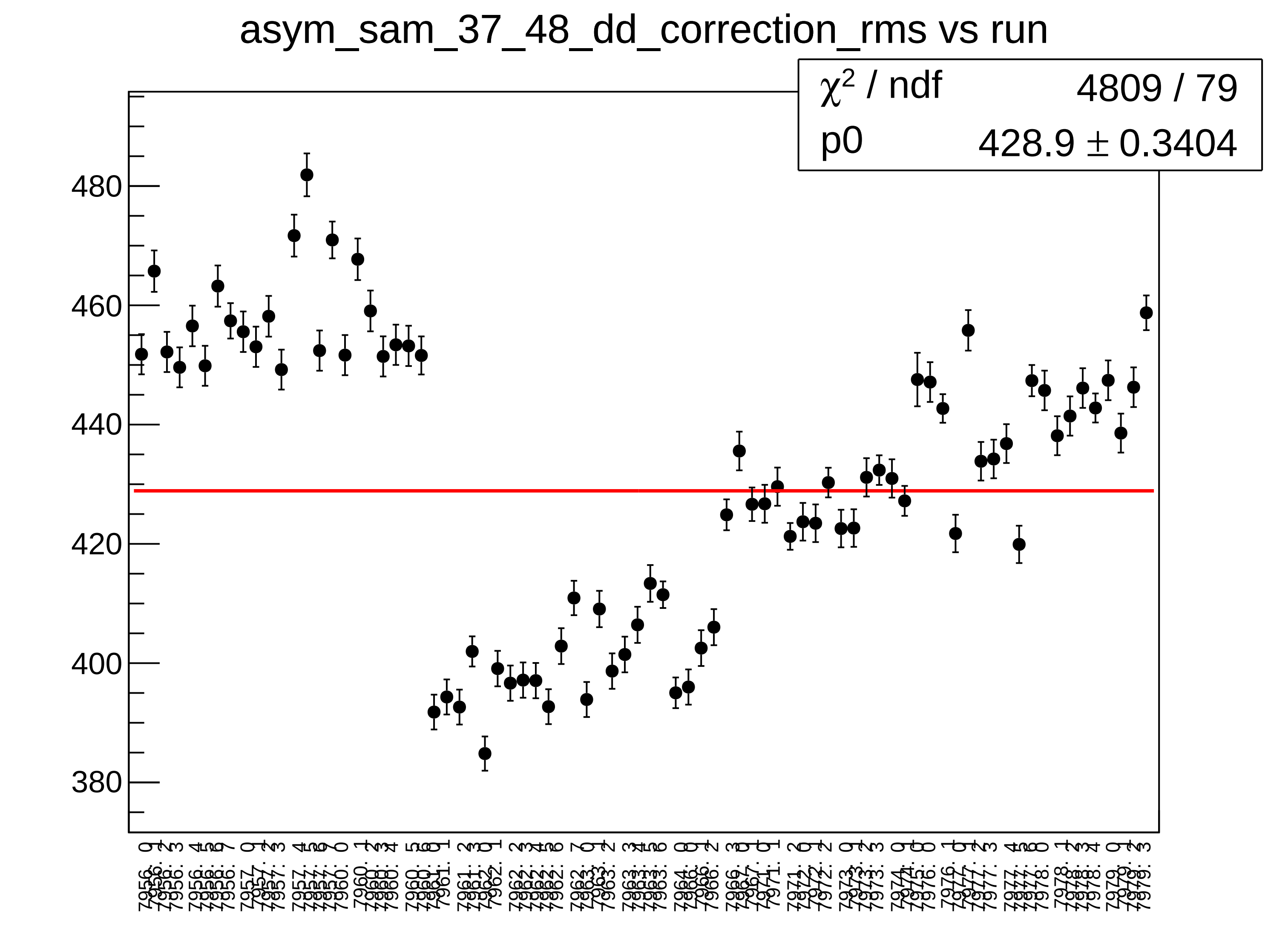

asym_sam_15_48_dd_rms vs run
χ2 / ndf 2992 / 79
p0 1441 ± 1.143
1800
1700
1600
1500
1400
1300

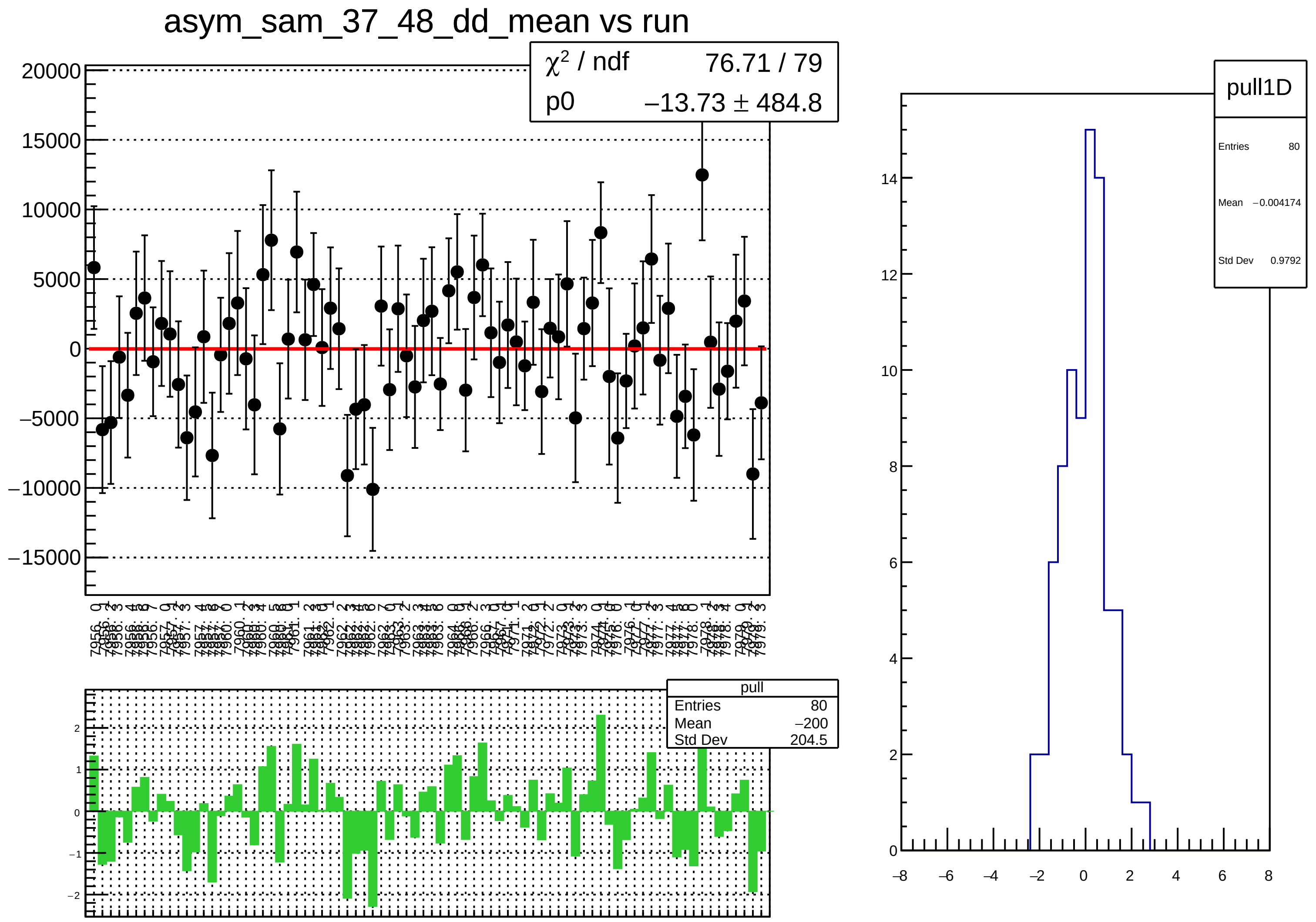


dit_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 78.93 / 79
p0 98.27 ± 88.8
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 80
Mean 35.8
Std Dev 48.41
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean −0.009322
Std Dev 0.9933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

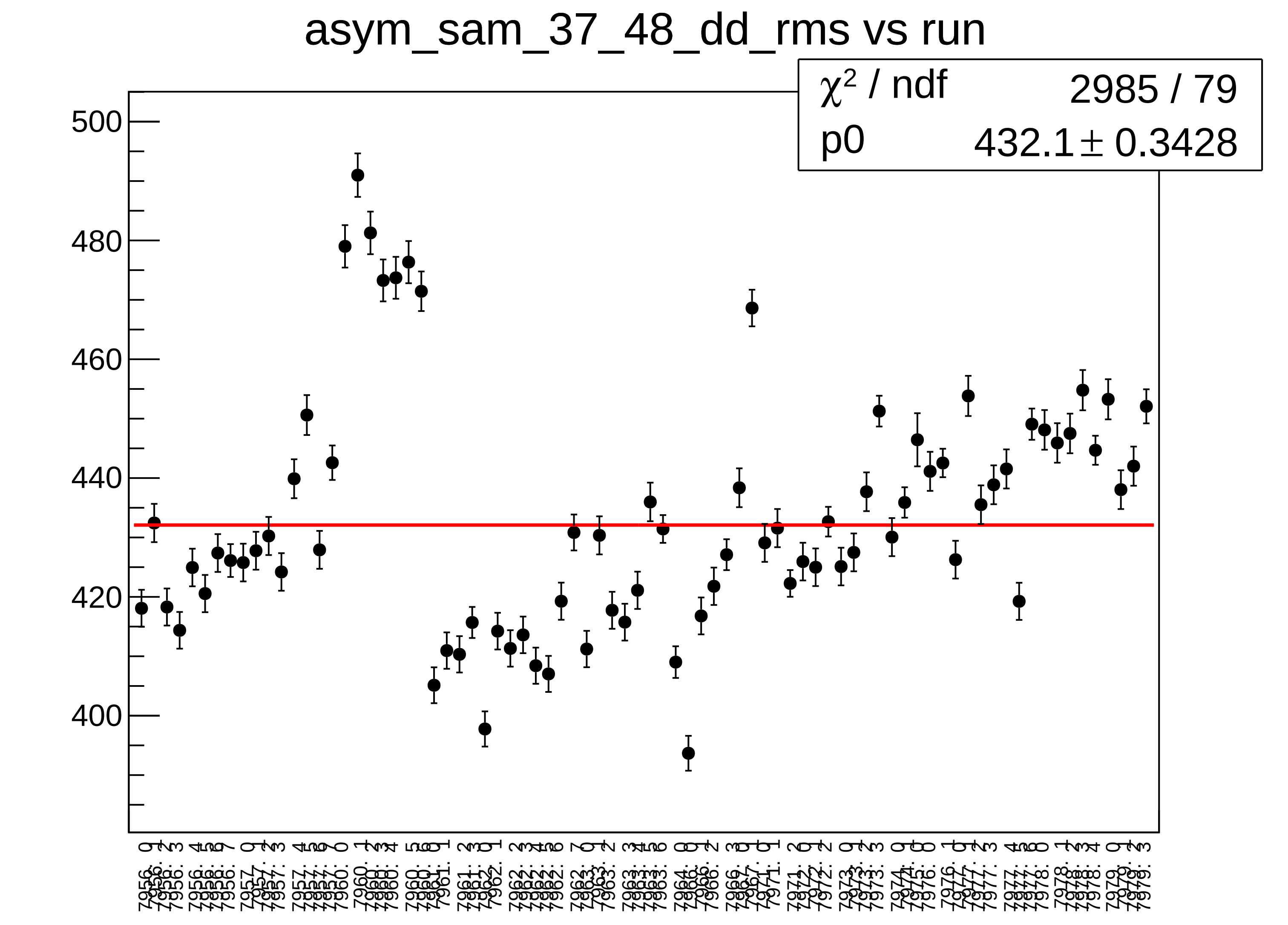

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 6633 / 79
p0 79.06 ± 0.06279
140
130
120
110
100
90
80
70

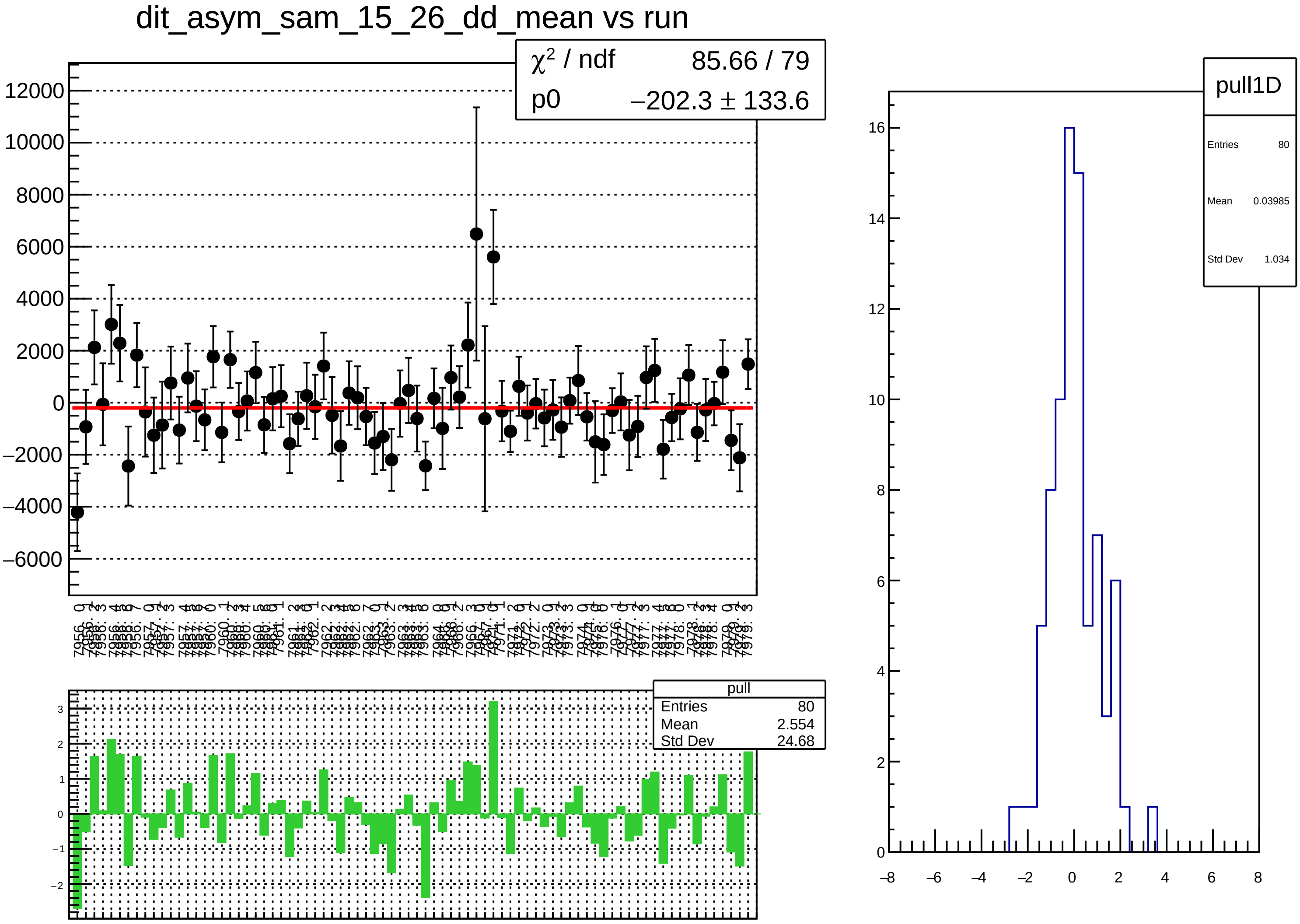

asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 78.41 / 79
p0 44.52 ± 481.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −58.06
Std Dev 43.64
2
1
0
−1
−2
pull1D
Entries 80
Mean 0.009401
Std Dev 0.99
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 4809 / 79
p0 428.9 ± 0.3404
480
460
440
420
400
380

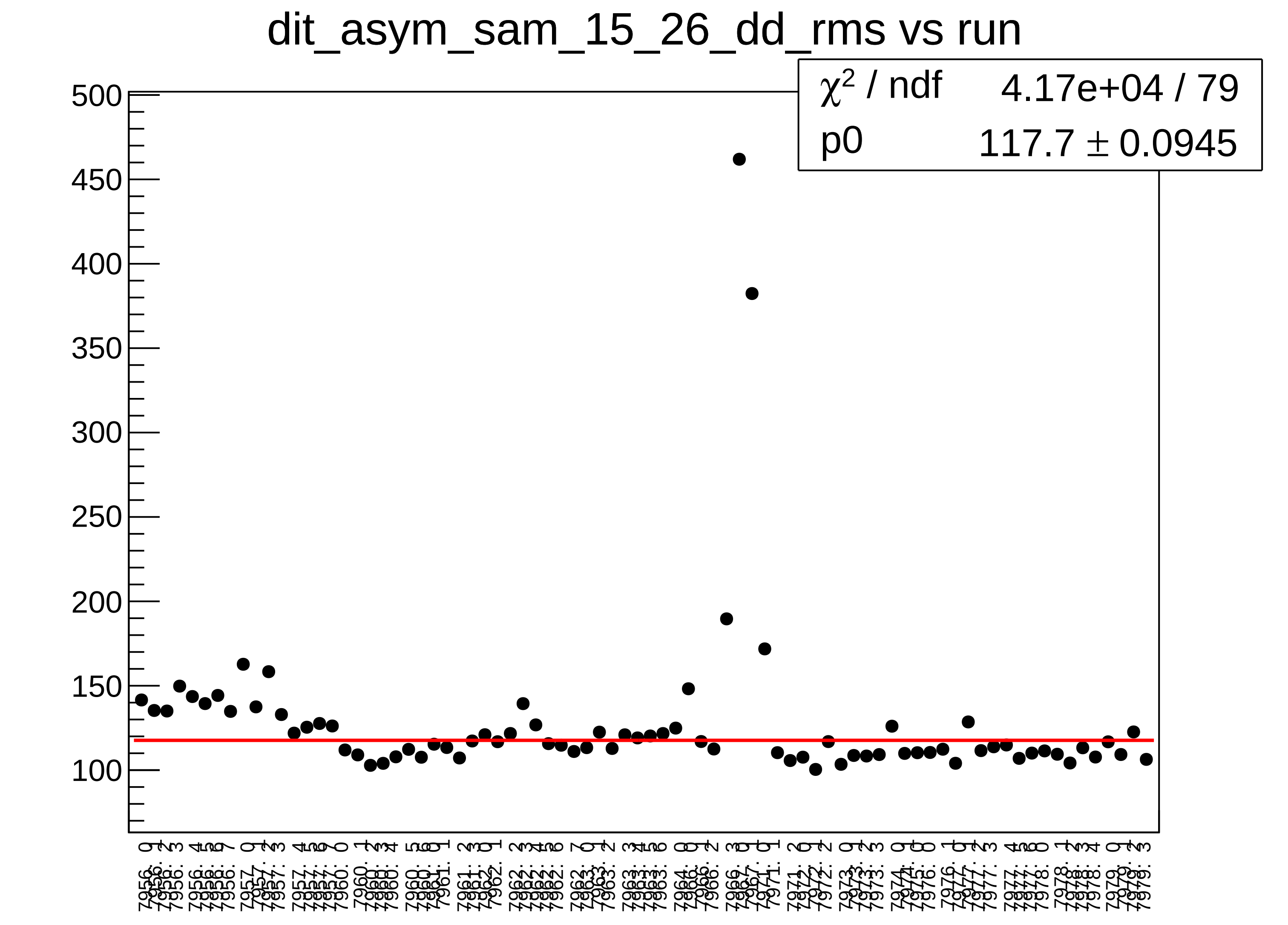


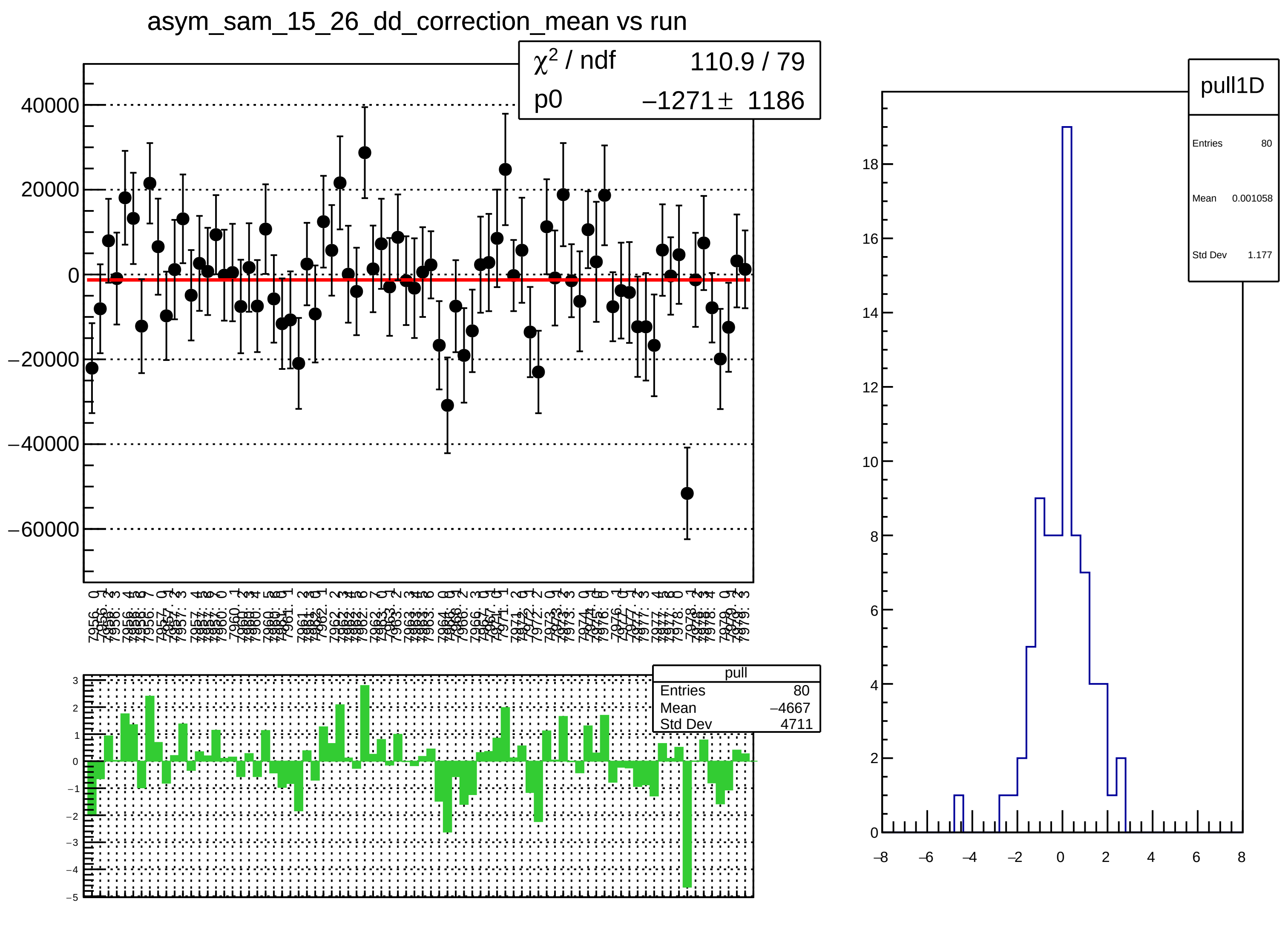
asym_sam_37_48_dd_mean vs run
χ^2 / ndf 76.71 / 79
p0 −13.73 ± 484.8
pull
Entries 80
Mean −200
Std Dev 204.5
pull1D
Entries 80
Mean −0.004174
Std Dev 0.9792


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

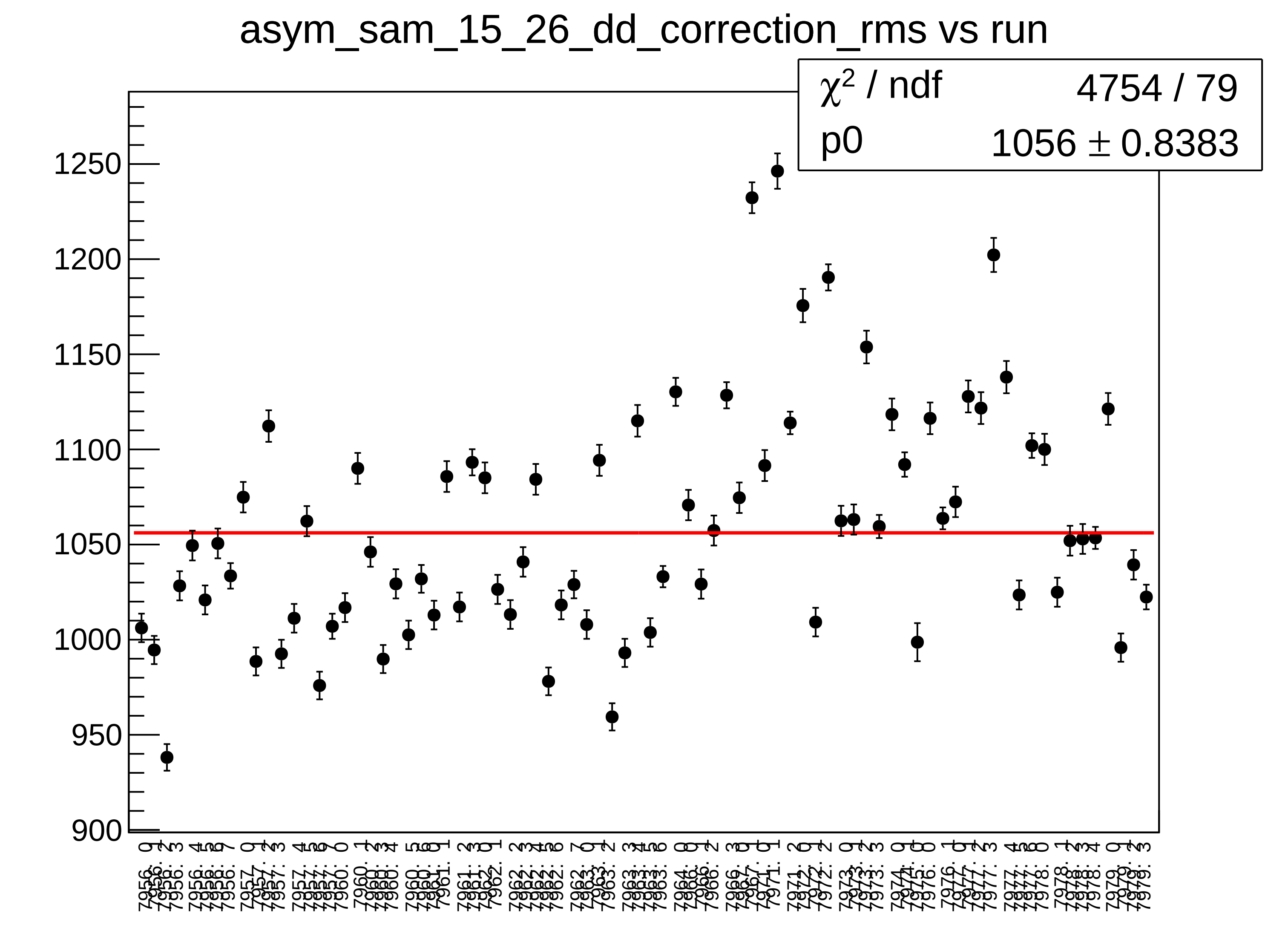


dit_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 85.66 / 79
p0 −202.3 ± 133.6
pull
Entries 80
Mean 2.554
Std Dev 24.68
pull1D
Entries 80
Mean 0.03985
Std Dev 1.034

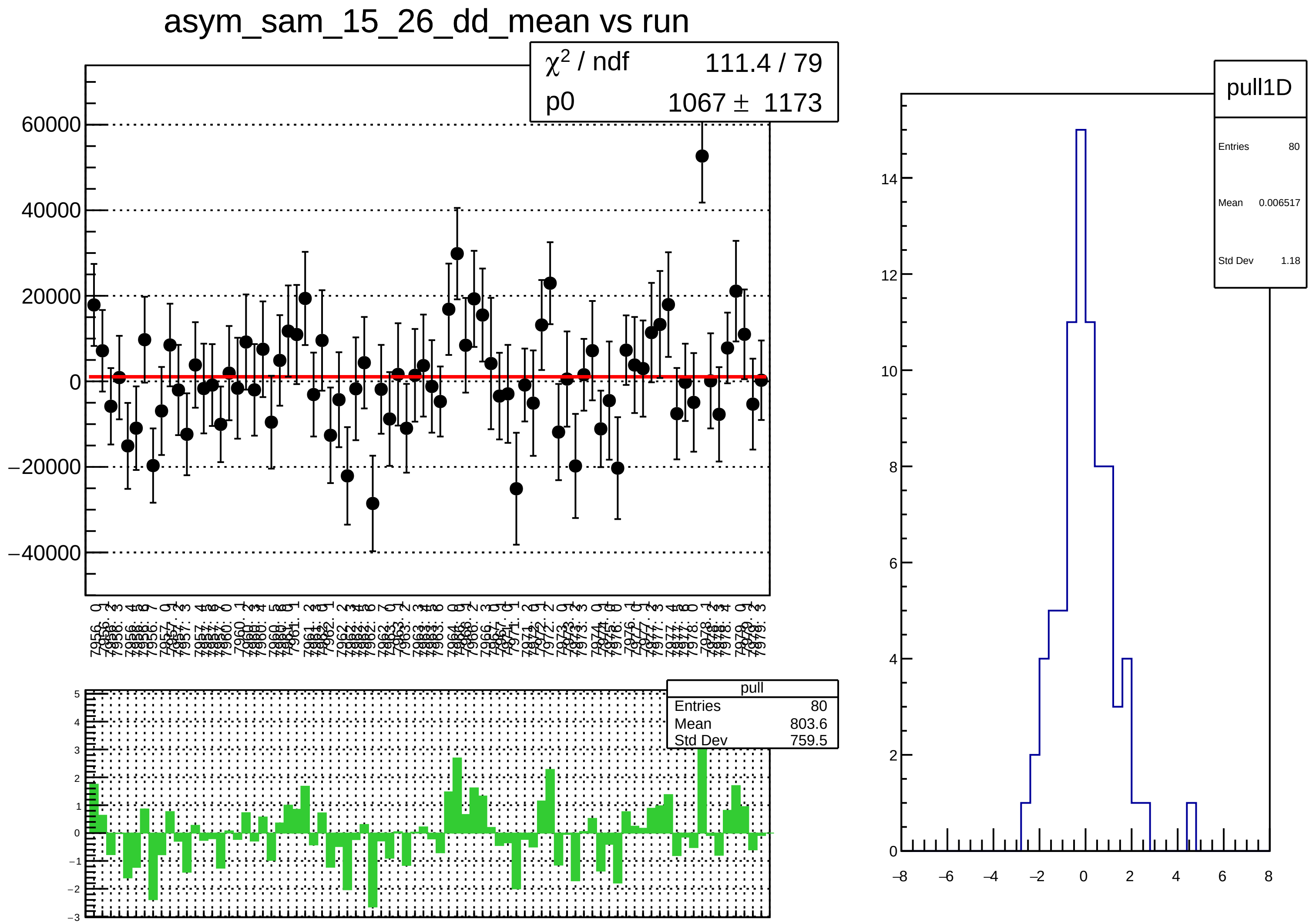

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 4.17e+04 / 79
p0 117.7 ± 0.0945
500
450
400
350
300
250
200
150
100



asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 110.9 / 79
p0 −1271 ± 1186
40000
20000
0
−20000
−40000
−60000
pull
Entries 80
Mean −4667
Std Dev 4711
pull1D
Entries 80
Mean 0.001058
Std Dev 1.177

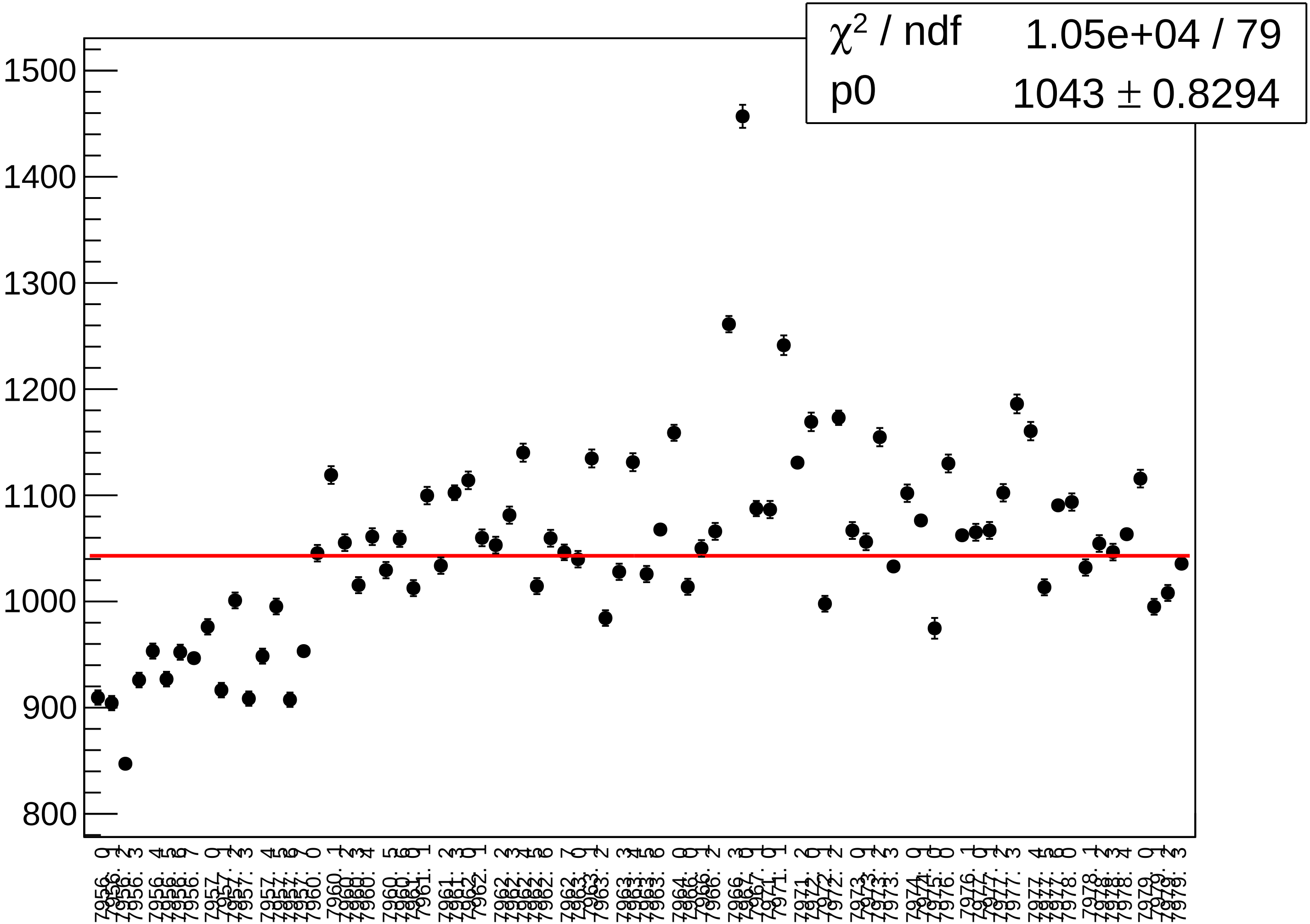


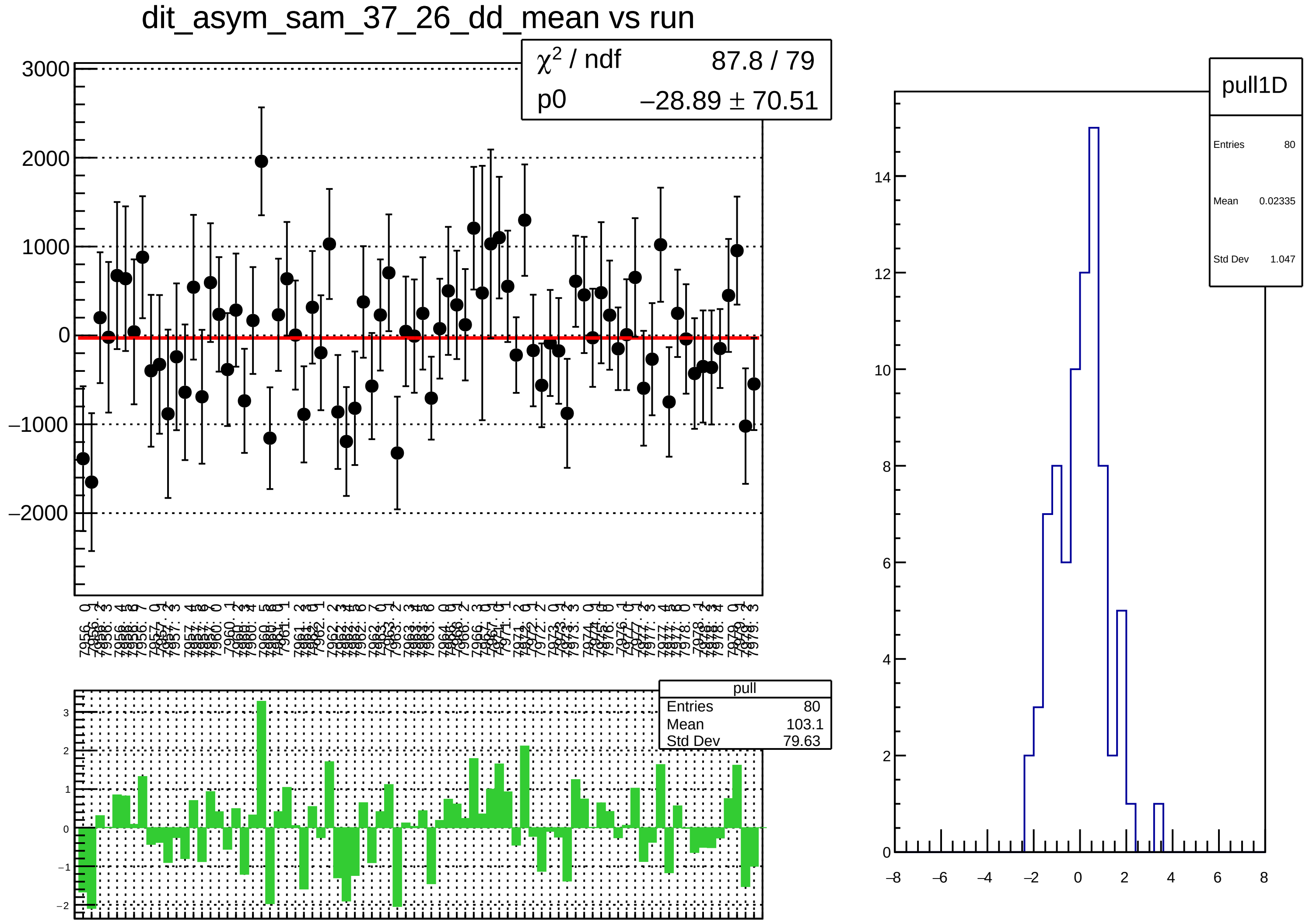
asym_sam_15_26_dd_correction_rms vs run
χ2 / ndf 4754 / 79
p0 1056 ± 0.8383
1250
1200
1150
1100
1050
1000
950
900

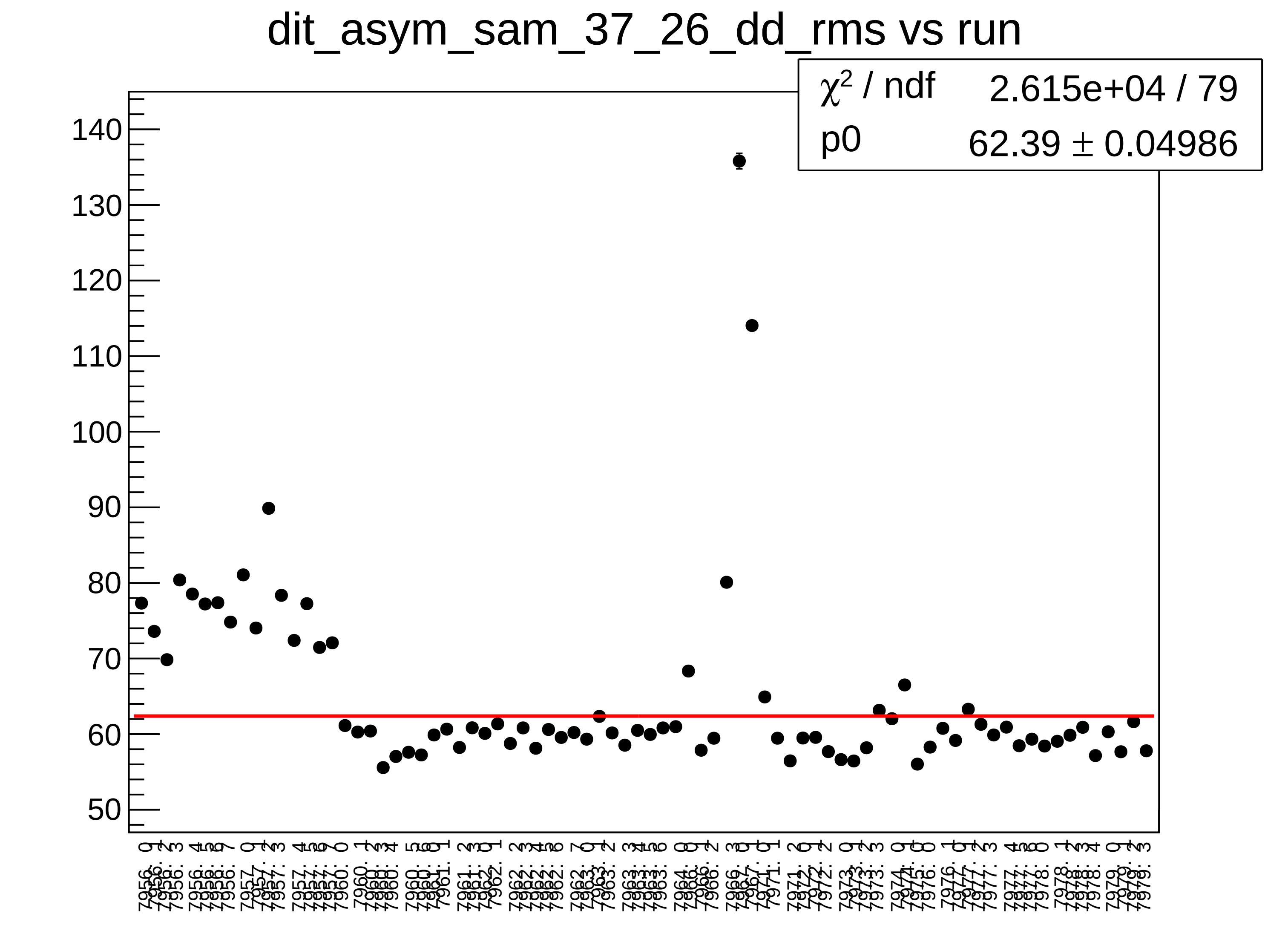


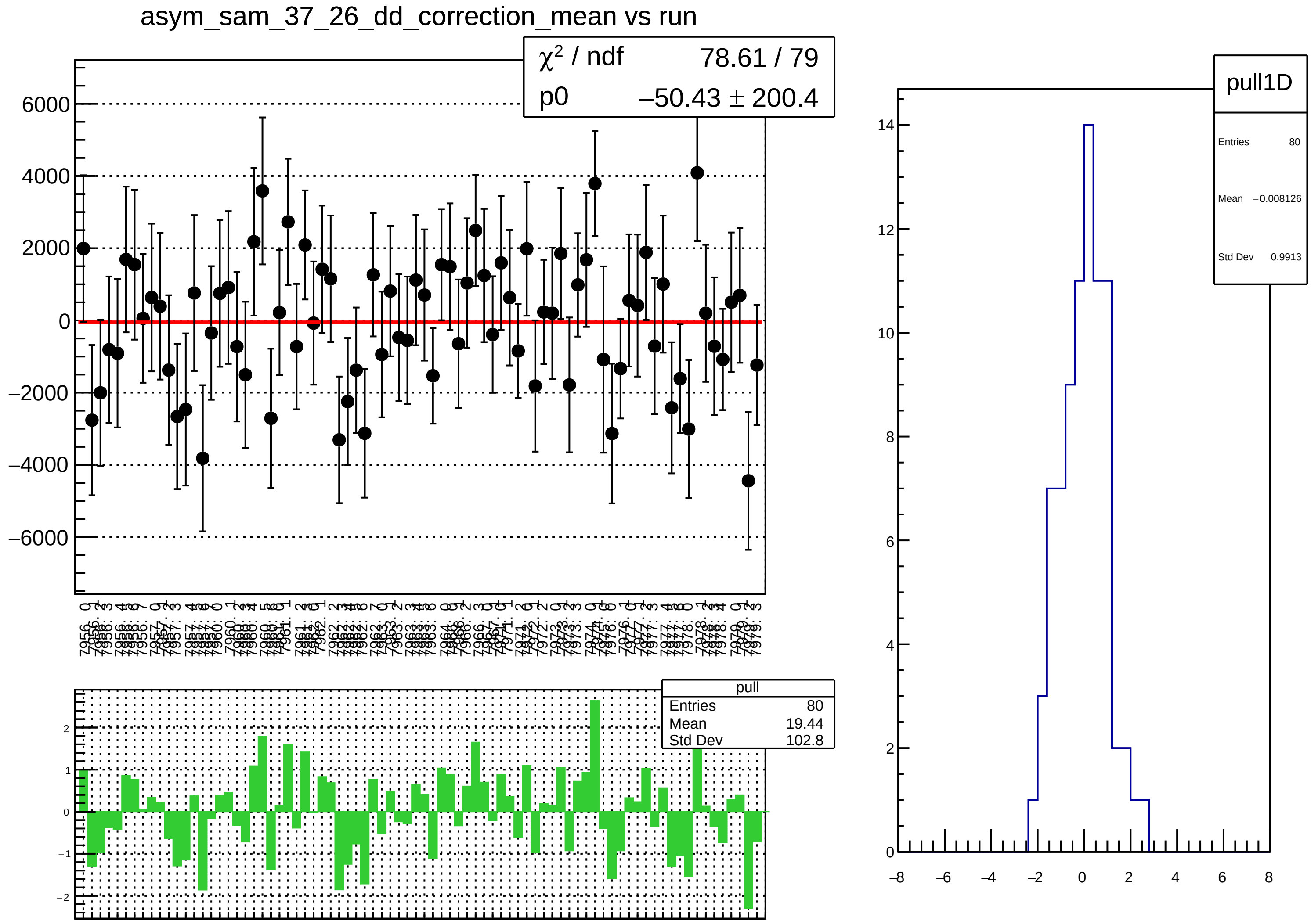
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 111.4 / 79
p0 1067 ± 1173
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean 803.6
Std Dev 759.5
pull1D
Entries 80
Mean 0.006517
Std Dev 1.18

asym_sam_15_26_dd_rms vs run

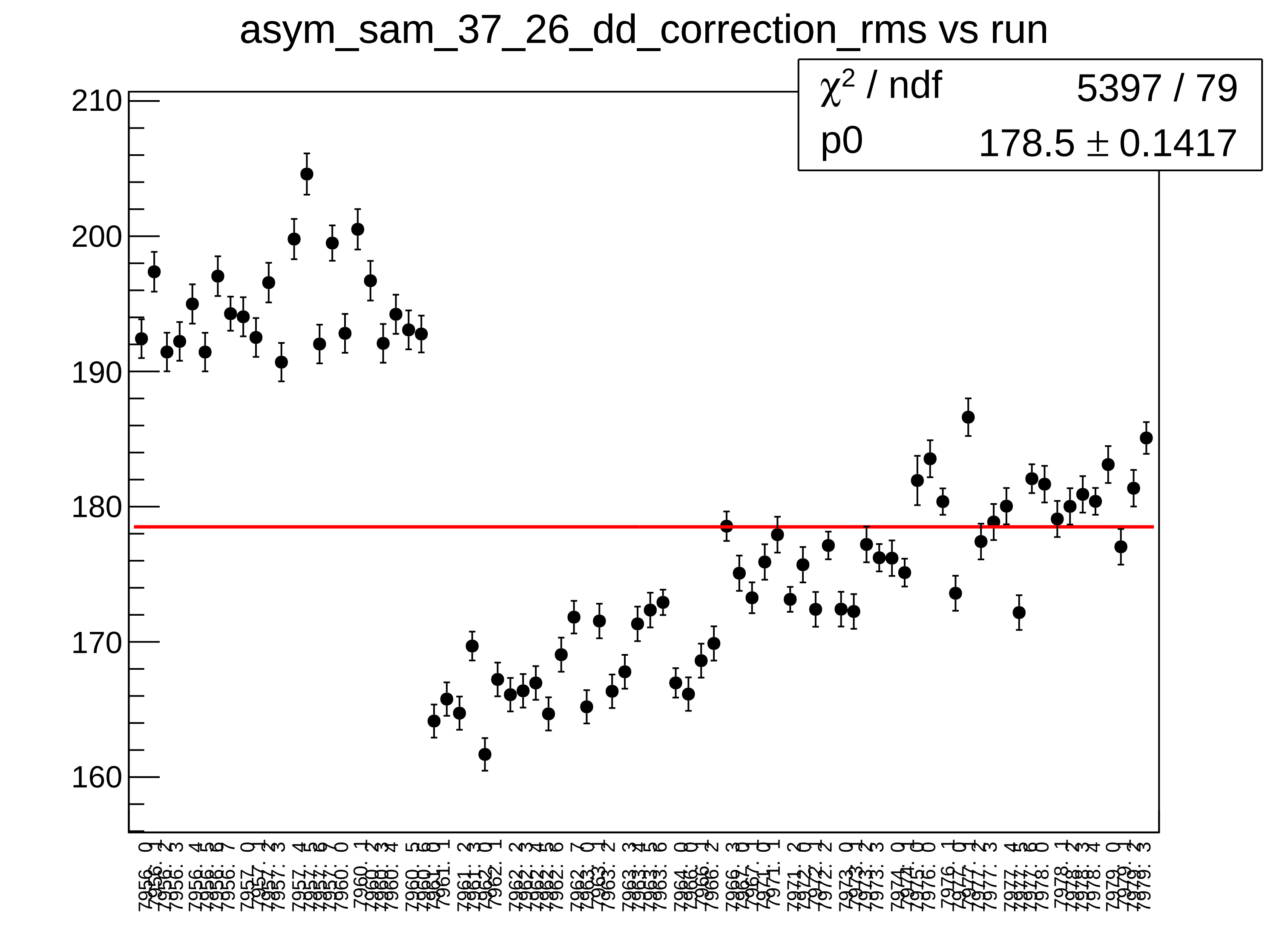



dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 87.8 / 79
p0 −28.89 ± 70.51
pull
Entries 80
Mean 103.1
Std Dev 79.63
pull1D
Entries 80
Mean 0.02335
Std Dev 1.047

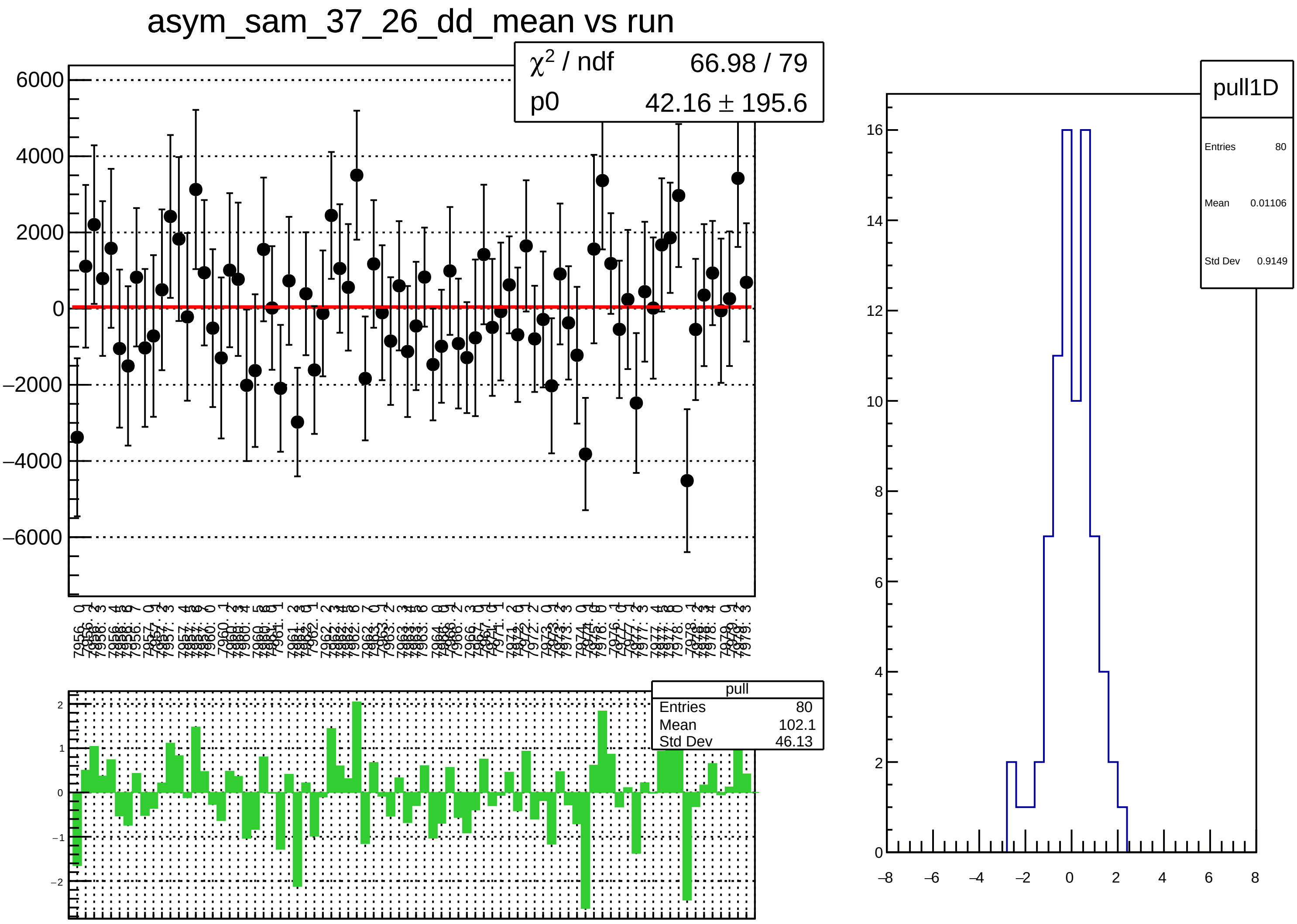

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.615e+04 / 79
p0 62.39 ± 0.04986
140
130
120
110
100
90
80
70
60
50



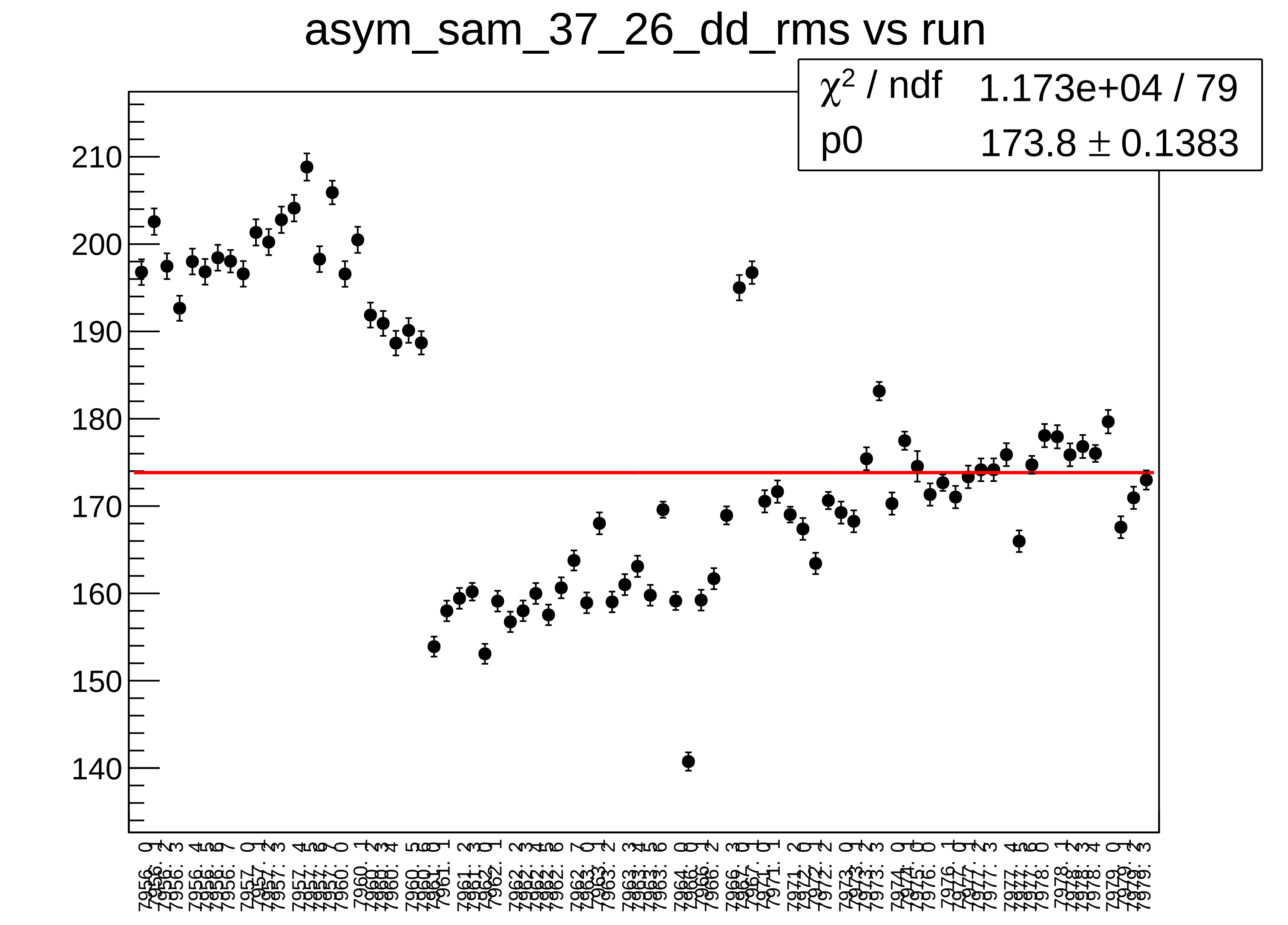
asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 78.61 / 79
p0 −50.43 ± 200.4
pull
Entries 80
Mean 19.44
Std Dev 102.8
pull1D
Entries 80
Mean −0.008126
Std Dev 0.9913



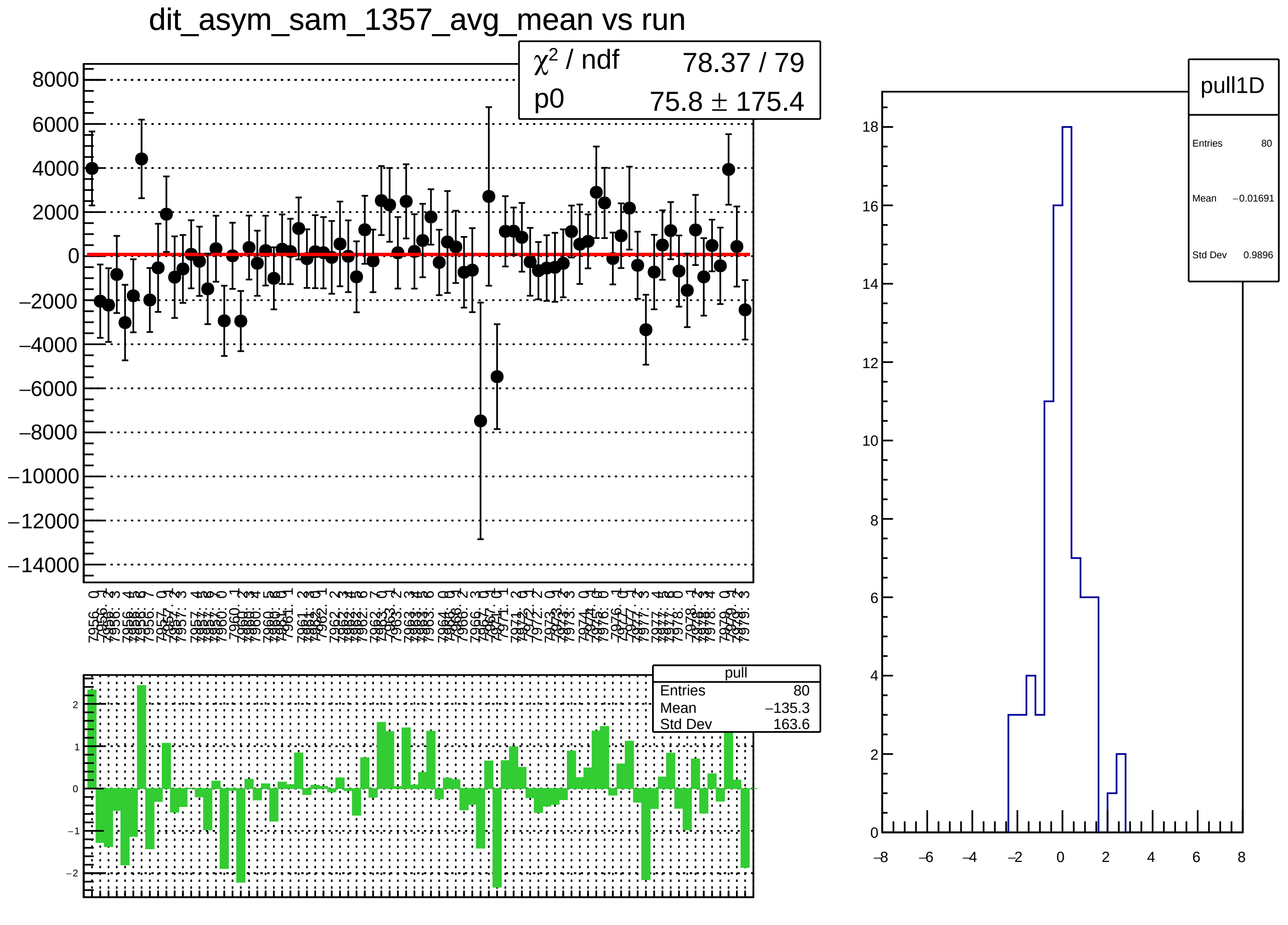
asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 5397 / 79
p0 178.5 ± 0.1417
210
200
190
180
170
160



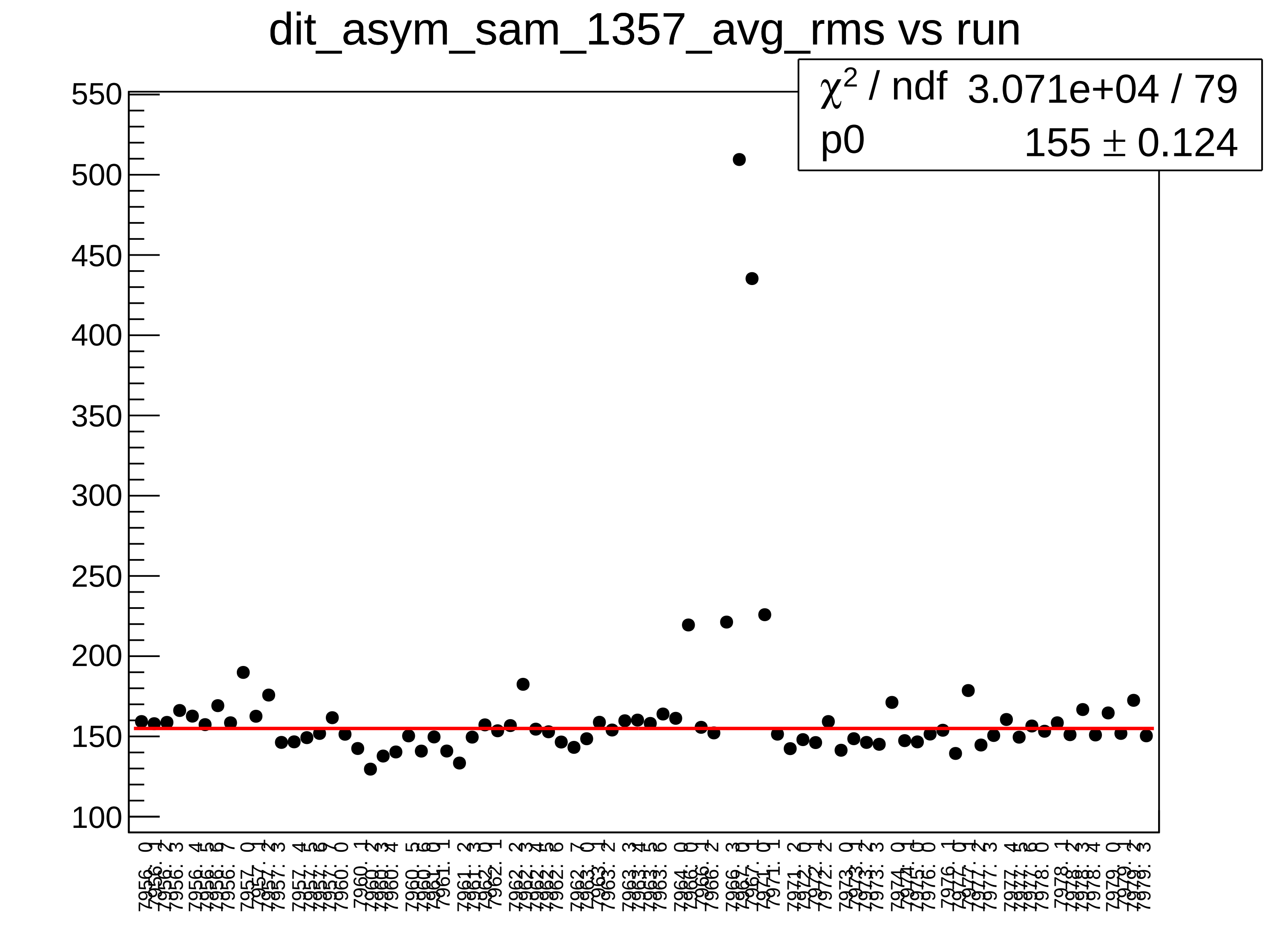
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 66.98 / 79
p0 42.16 ± 195.6
pull
Entries 80
Mean 102.1
Std Dev 46.13
pull1D
Entries 80
Mean 0.01106
Std Dev 0.9149

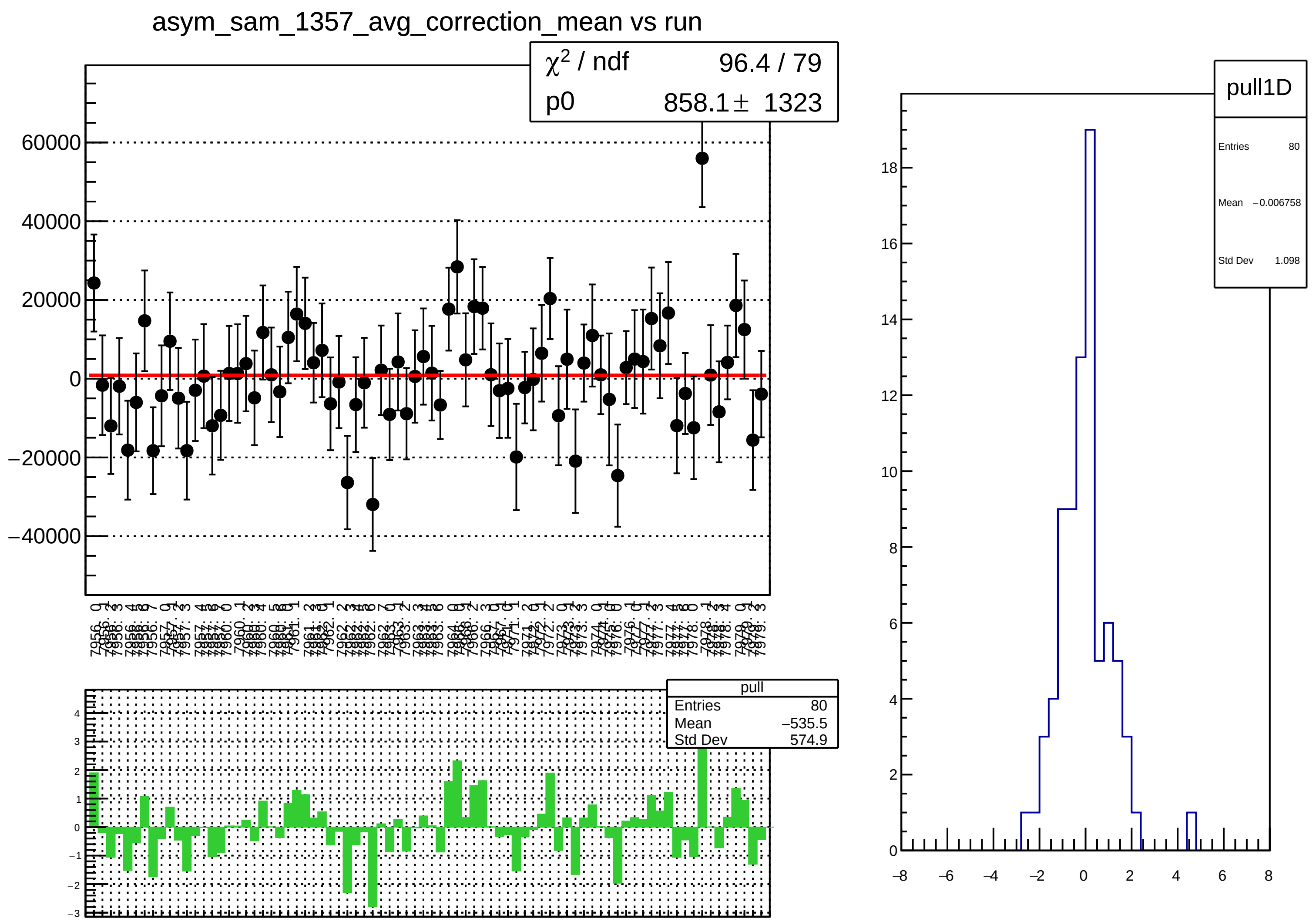


asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.173e+04 / 79
p0 173.8 ± 0.1383

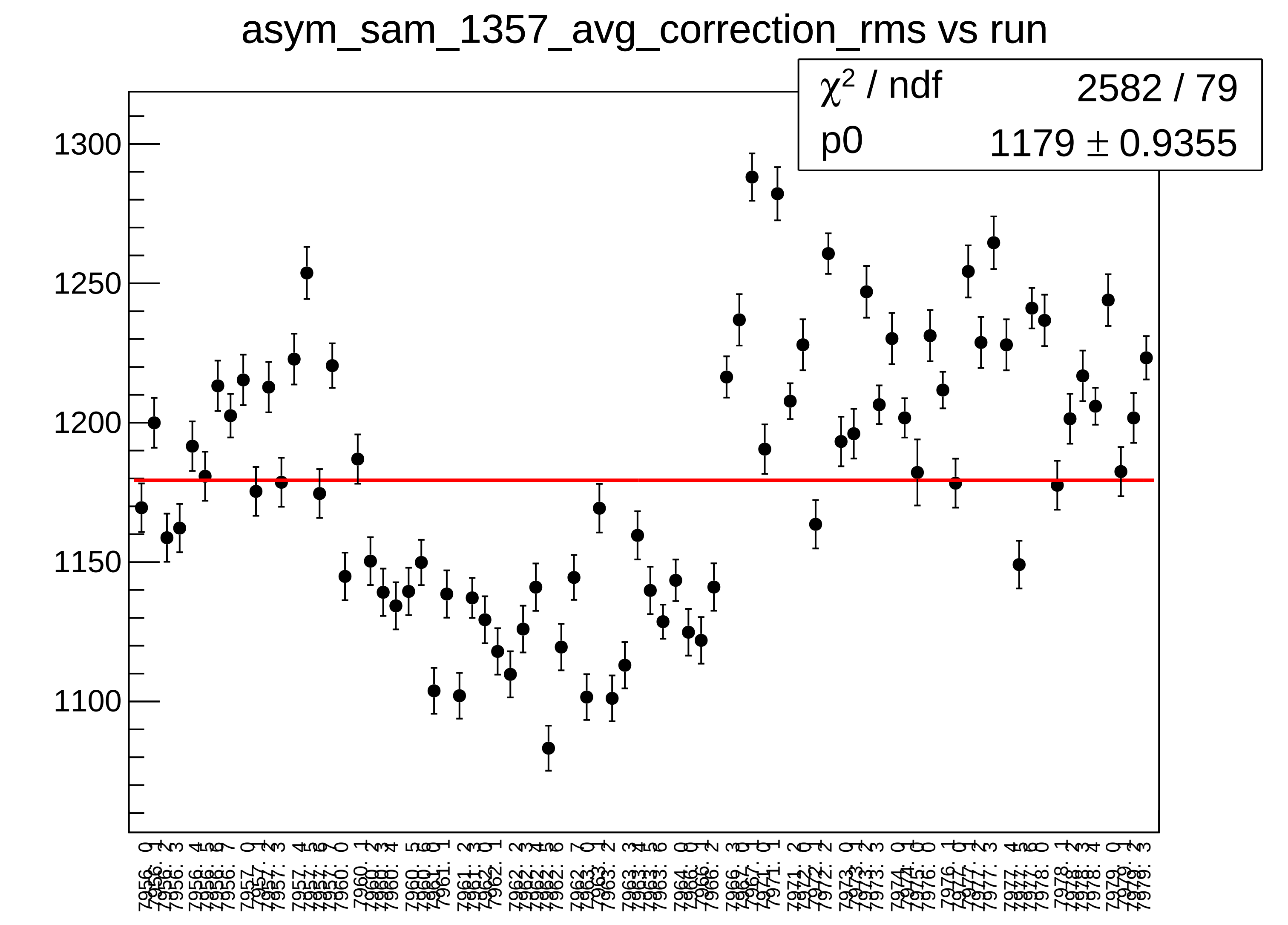


dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 78.37 / 79
p0 75.8 ± 175.4
pull
Entries 80
Mean −135.3
Std Dev 163.6
pull1D
Entries 80
Mean −0.01691
Std Dev 0.9896

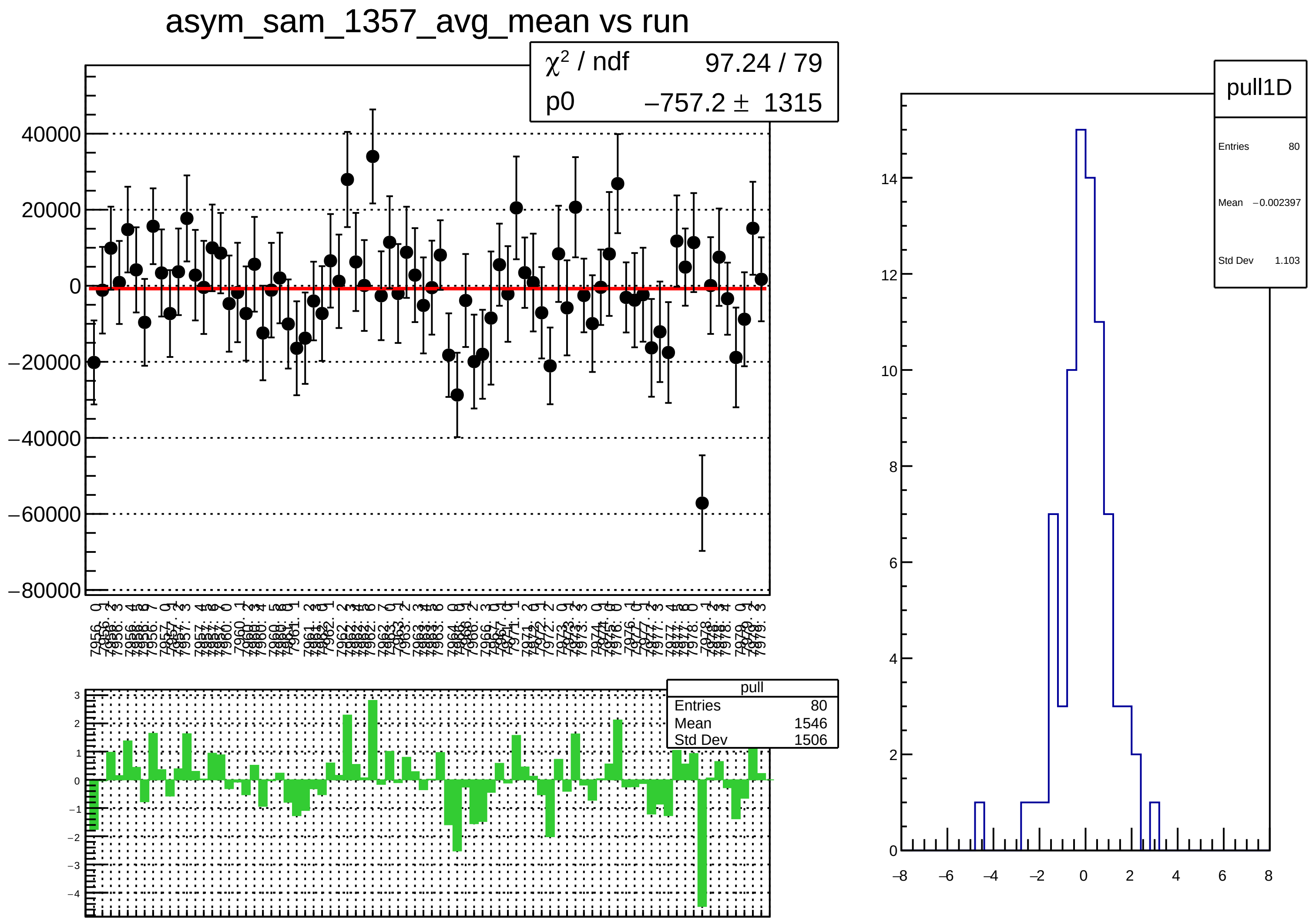

dit_asym_sam_1357_avg_rms vs run
χ2 / ndf 3.071e+04 / 79
p0 155 ± 0.124
550
500
450
400
350
300
250
200
150
100



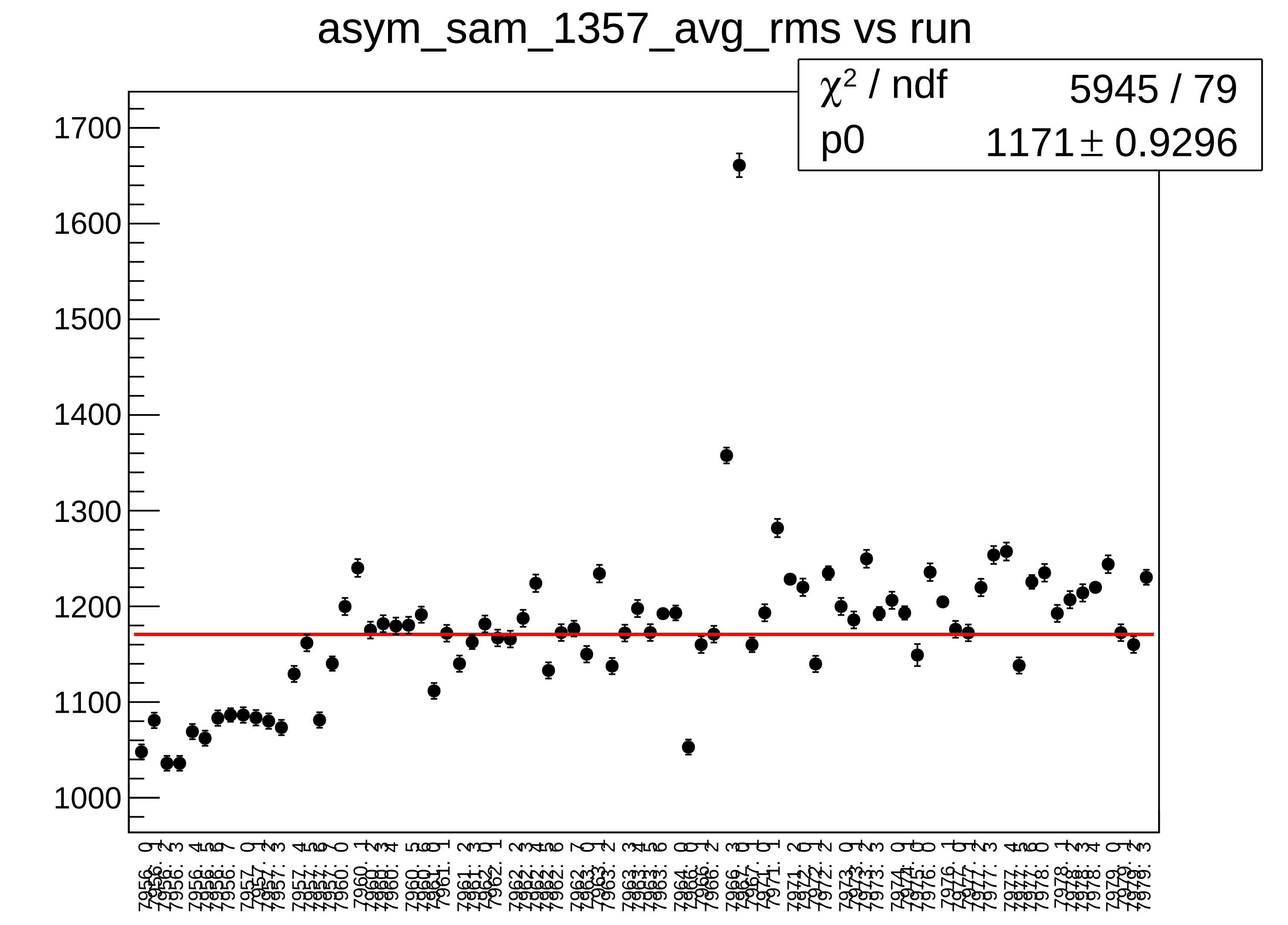
asym_sam_1357_avg_correction_mean vs run
χ^2 / ndf 96.4 / 79
p0 858.1 ± 1323
60000
40000
20000
0
−20000
−40000
pull
Entries 80
Mean −535.5
Std Dev 574.9
pull1D
Entries 80
Mean −0.006758
Std Dev 1.098



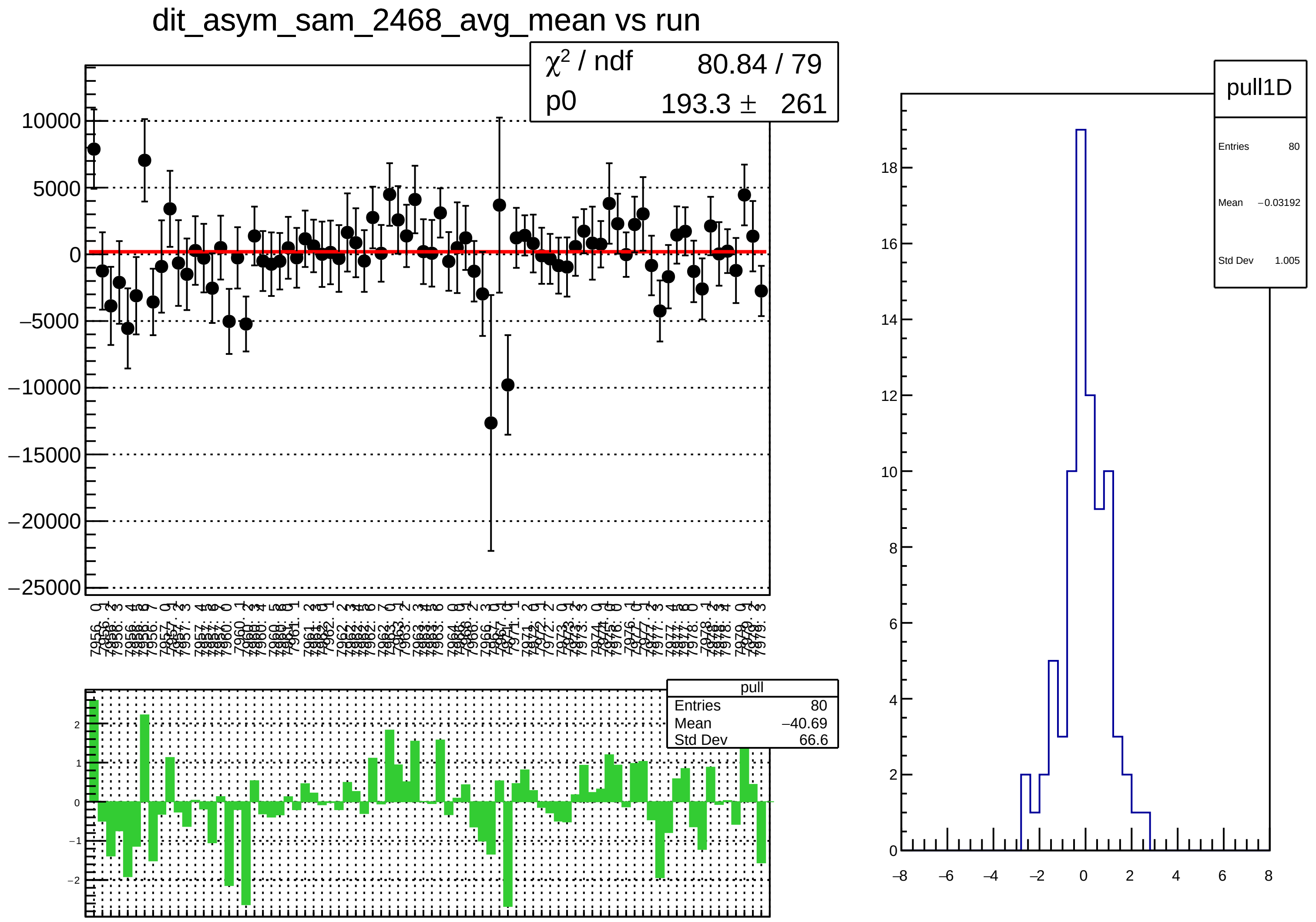
asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 2582 / 79
p0 1179 ± 0.9355
1300
1250
1200
1150
1100

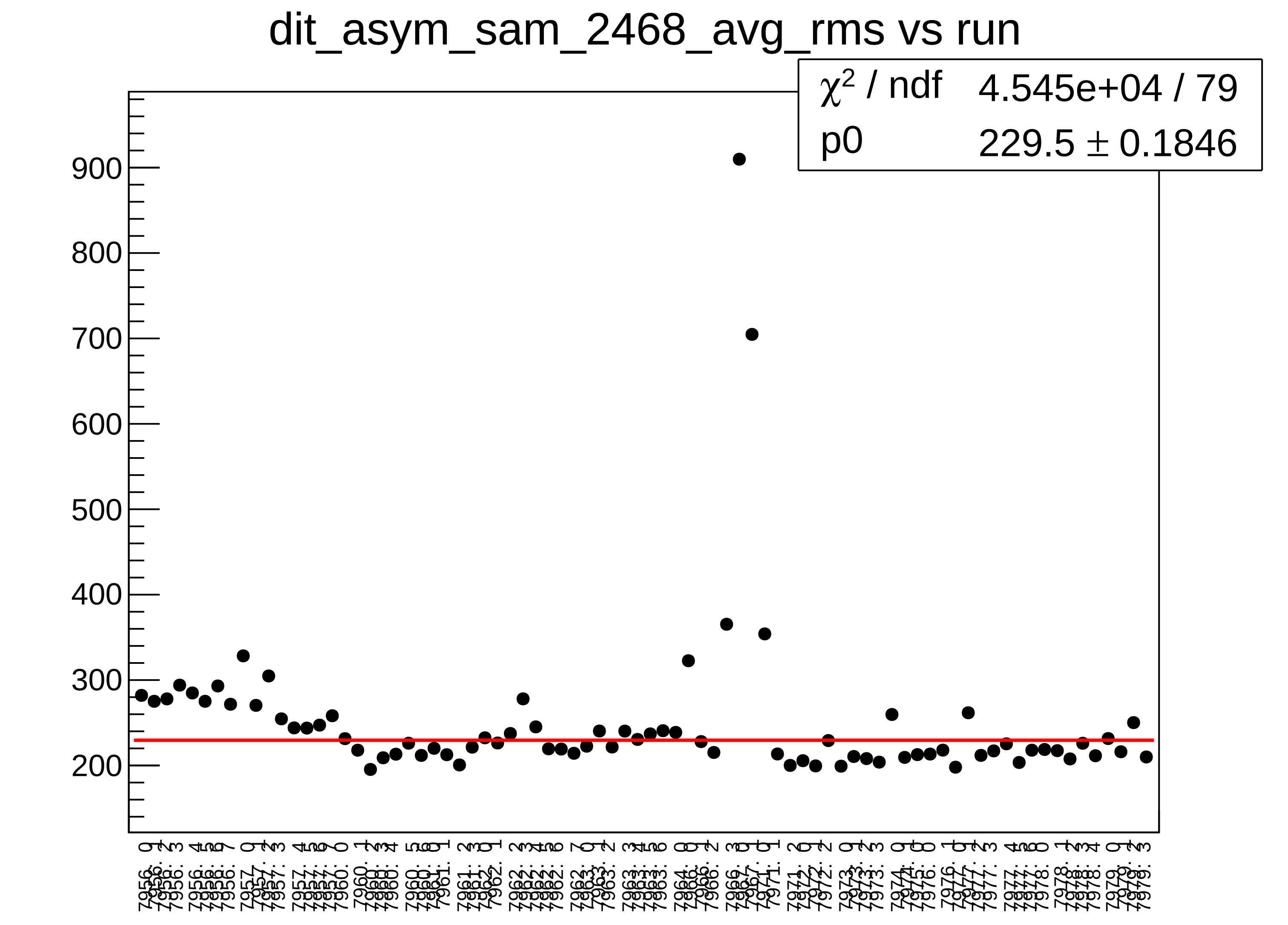


asym_sam_1357_avg_mean vs run
χ^2 / ndf 97.24 / 79
p0 −757.2 ± 1315
pull
Entries 80
Mean 1546
Std Dev 1506
pull1D
Entries 80
Mean −0.002397
Std Dev 1.103

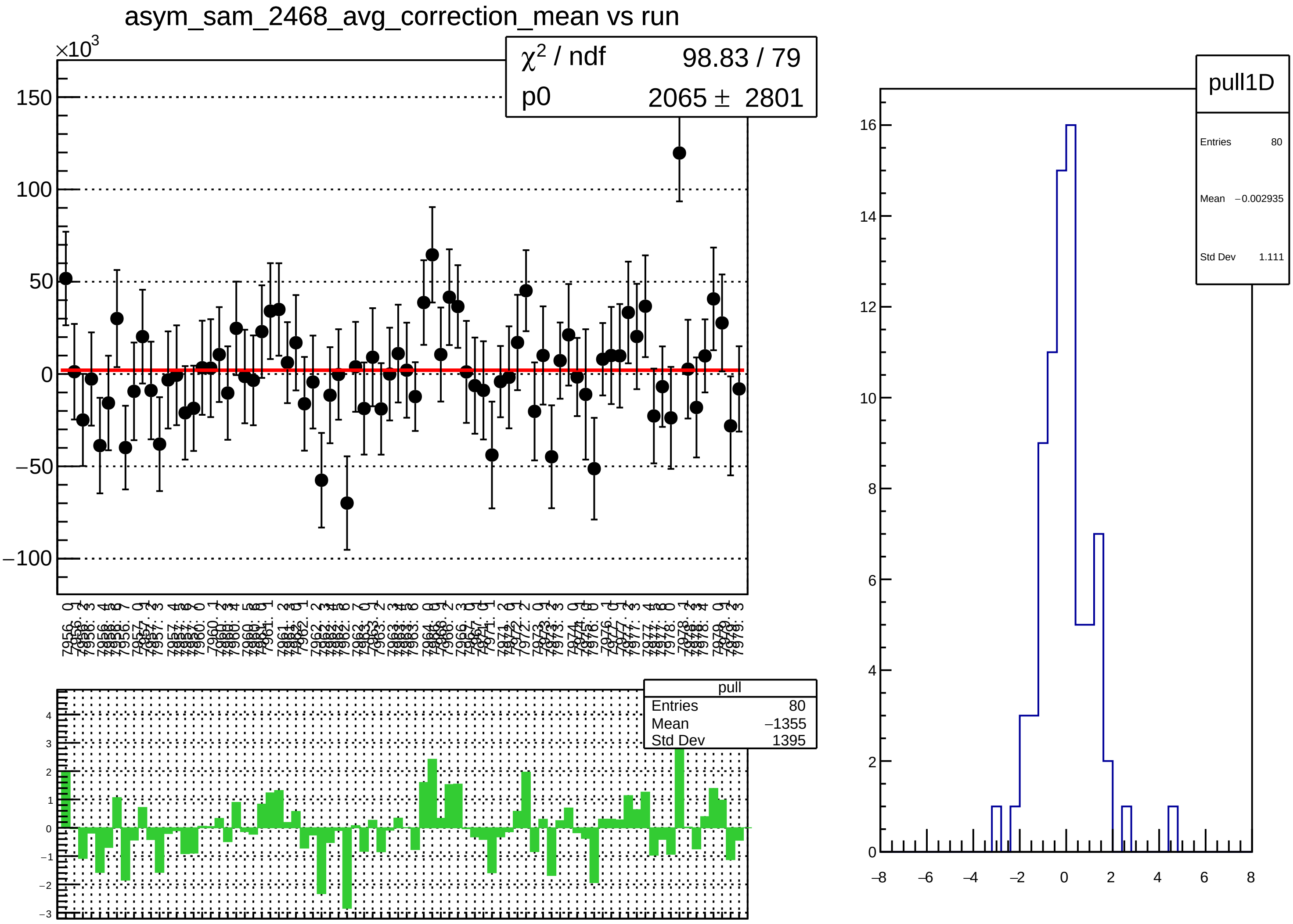


asym_sam_1357_avg_rms vs run
χ^2 / ndf 5945 / 79
p0 1171 ± 0.9296
1700
1600
1500
1400
1300
1200
1100
1000

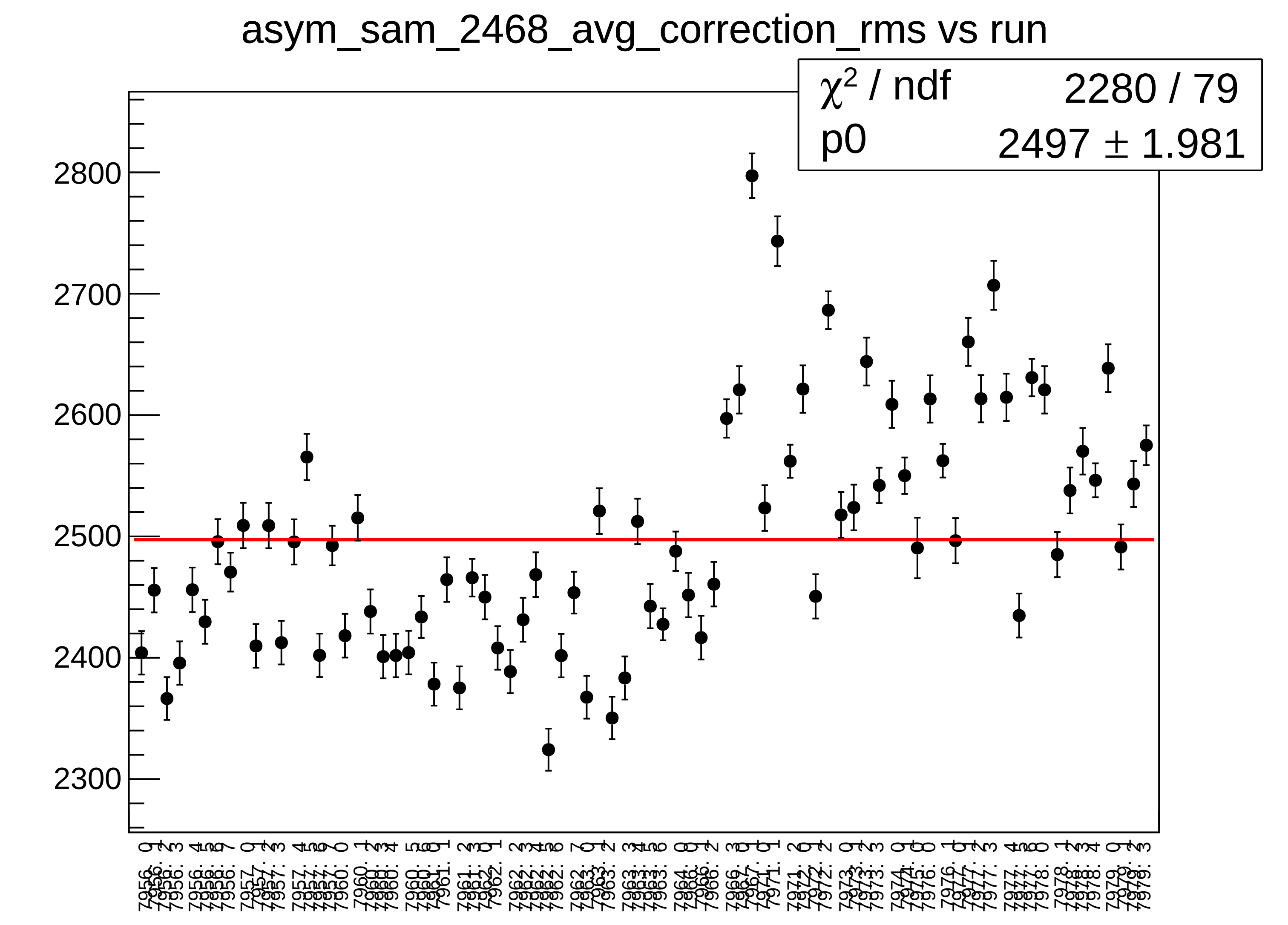

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 80.84 / 79
p0 193.3 ± 261
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 80
Mean −40.69
Std Dev 66.6
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.03192
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

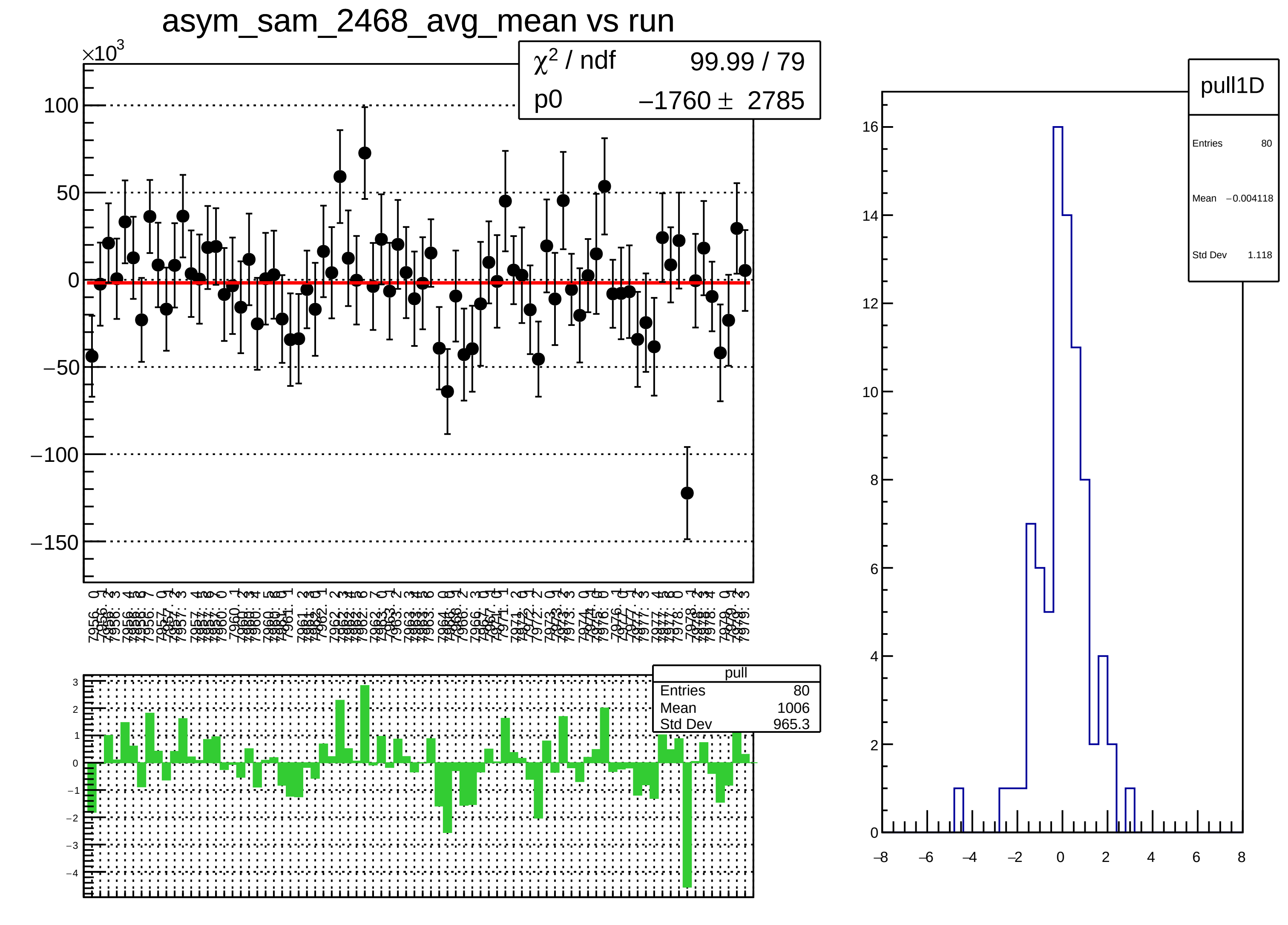


dit_asym_sam_2468_avg_rms vs run
χ2 / ndf 4.545e+04 / 79
p0 229.5 ± 0.1846
900
800
700
600
500
400
300
200



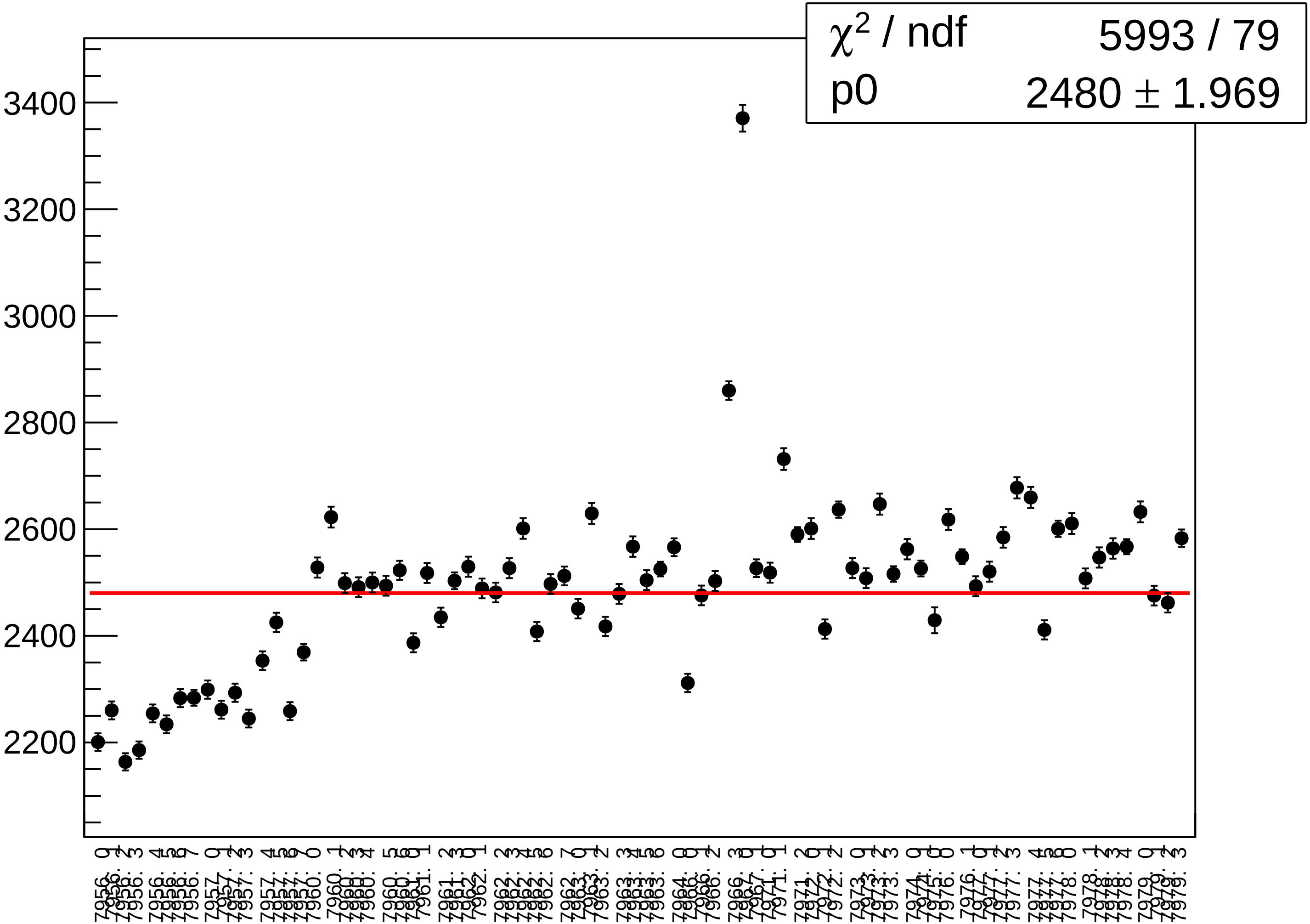
asym_sam_2468_avg_correction_mean vs run
χ2 / ndf 98.83 / 79
p0 2065 ± 2801
pull
Entries 80
Mean −1355
Std Dev 1395
pull1D
Entries 80
Mean −0.002935
Std Dev 1.111

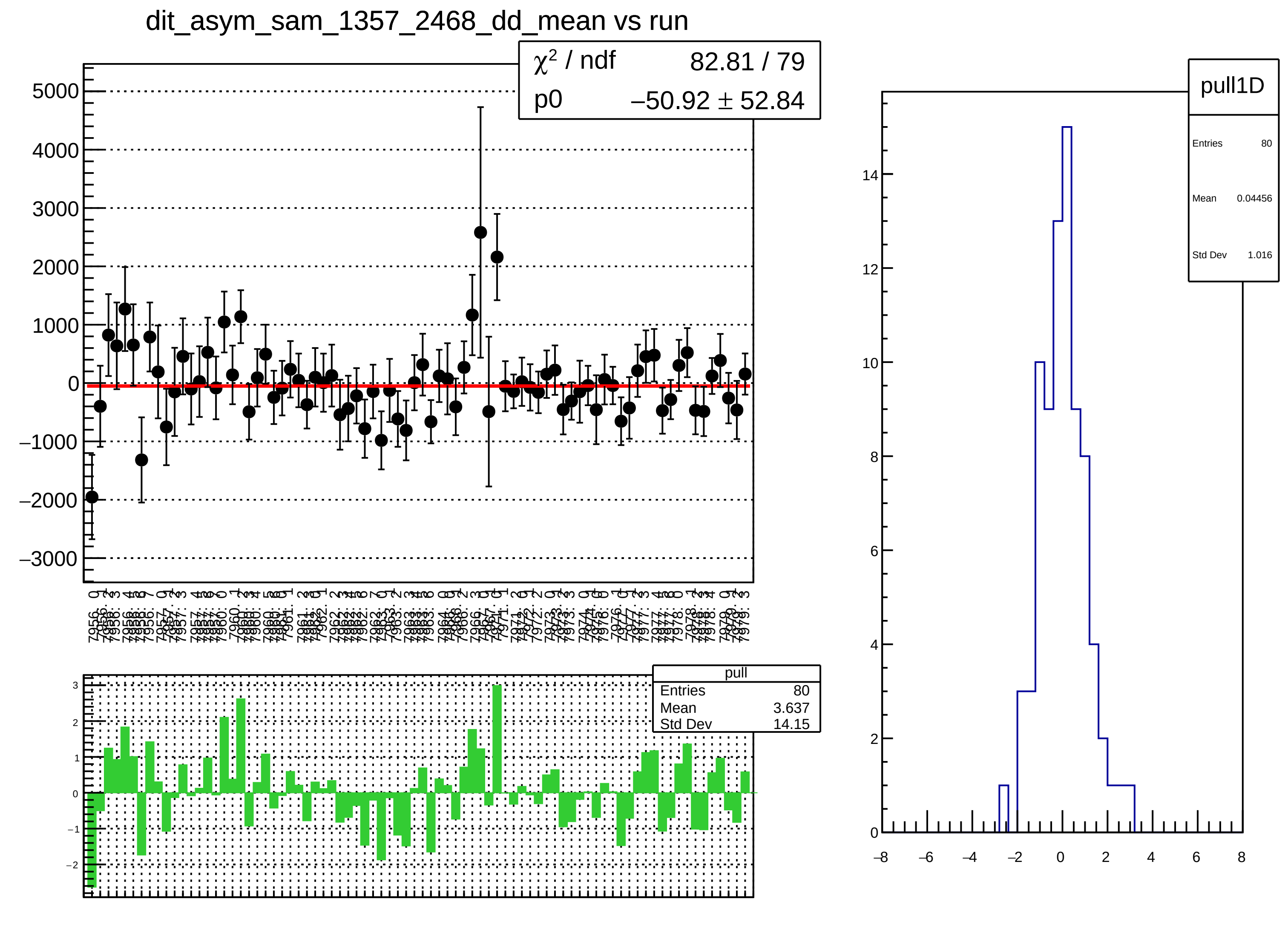

asym_sam_2468_avg_correction_rms vs run
χ2 / ndf 2280 / 79
p0 2497 ± 1.981
2800
2700
2600
2500
2400
2300

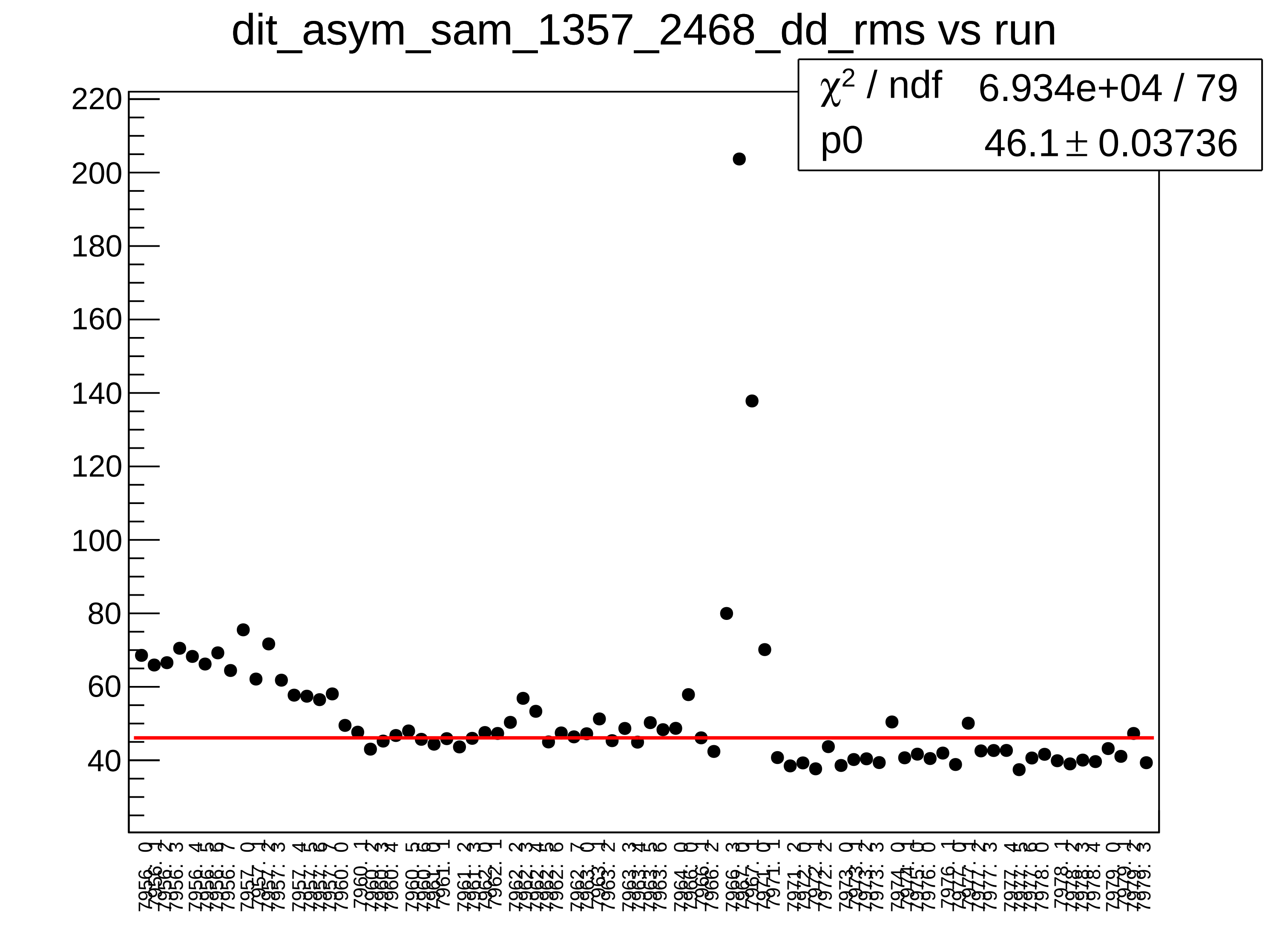


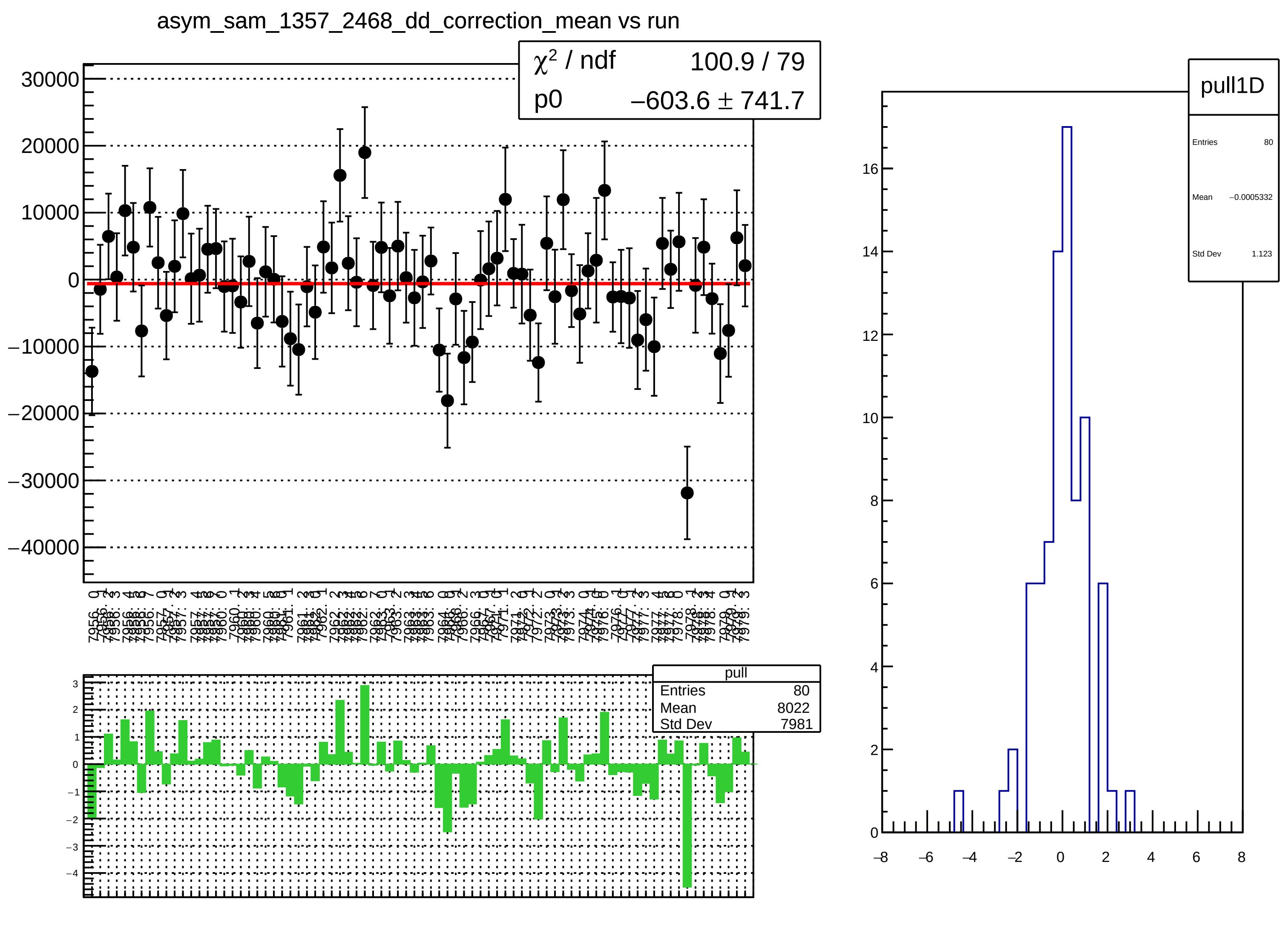
asym_sam_2468_avg_mean vs run
χ^2 / ndf 99.99 / 79
p0 −1760 ± 2785
pull
Entries 80
Mean 1006
Std Dev 965.3
pull1D
Entries 80
Mean −0.004118
Std Dev 1.118

asym_sam_2468_avg_rms vs run

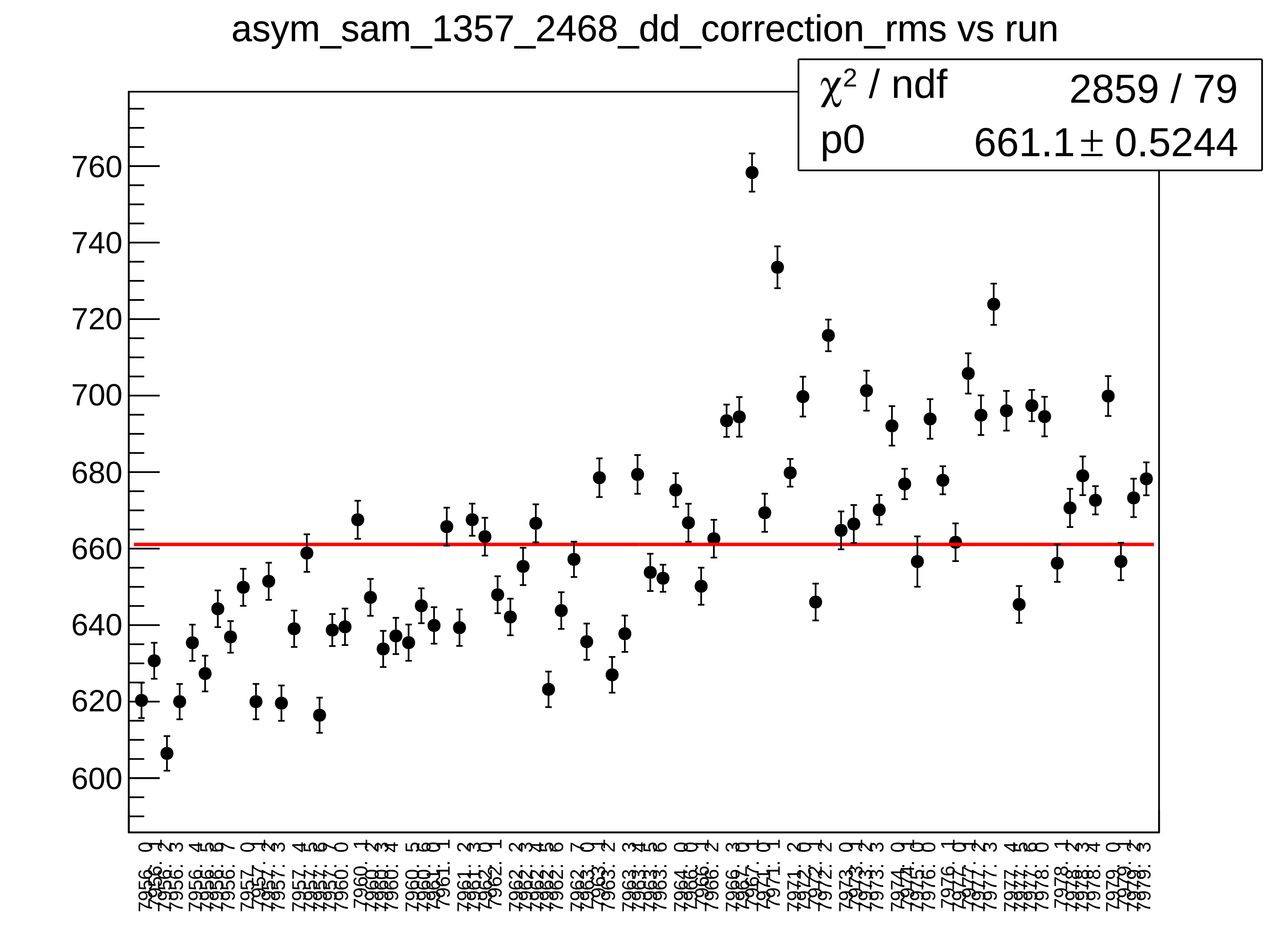


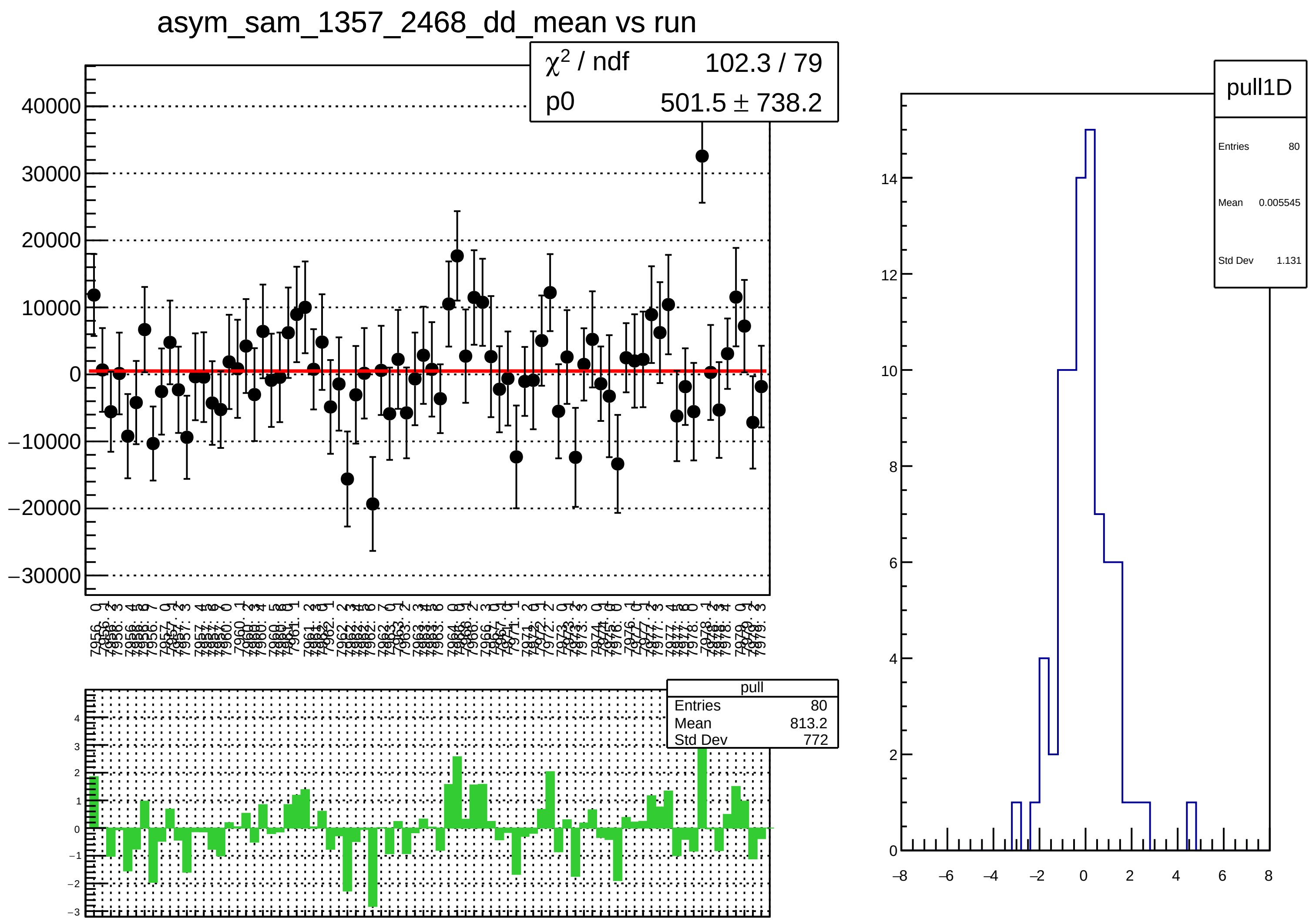

dit_asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 82.81 / 79
p0 −50.92 ± 52.84
pull
Entries 80
Mean 3.637
Std Dev 14.15
pull1D
Entries 80
Mean 0.04456
Std Dev 1.016


dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 6.934e+04 / 79
p0 46.1 ± 0.03736
220
200
180
160
140
120
100
80
60
40

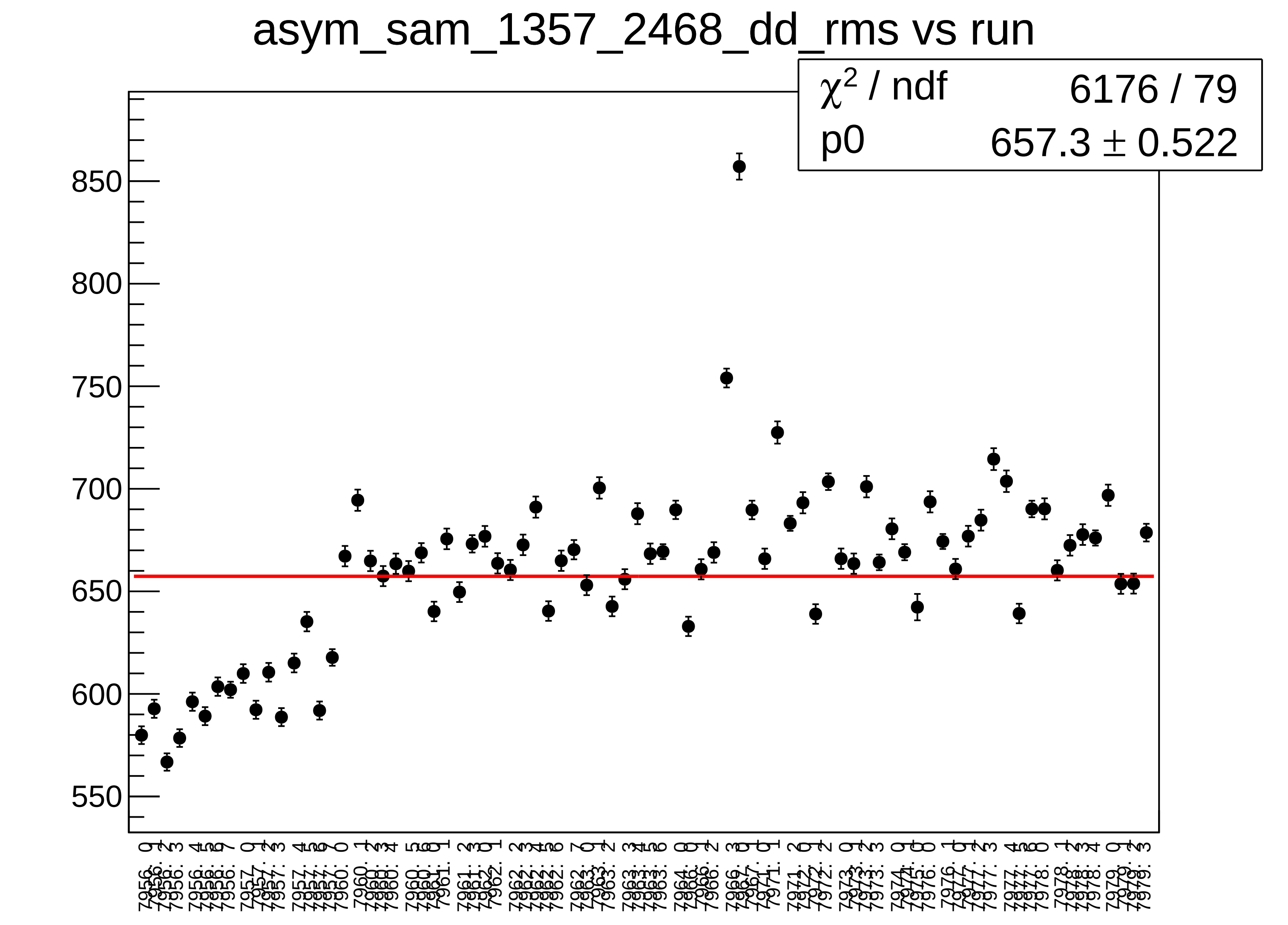


asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 100.9 / 79
p0 −603.6 ± 741.7
pull
Entries 80
Mean 8022
Std Dev 7981
pull1D
Entries 80
Mean −0.0005332
Std Dev 1.123

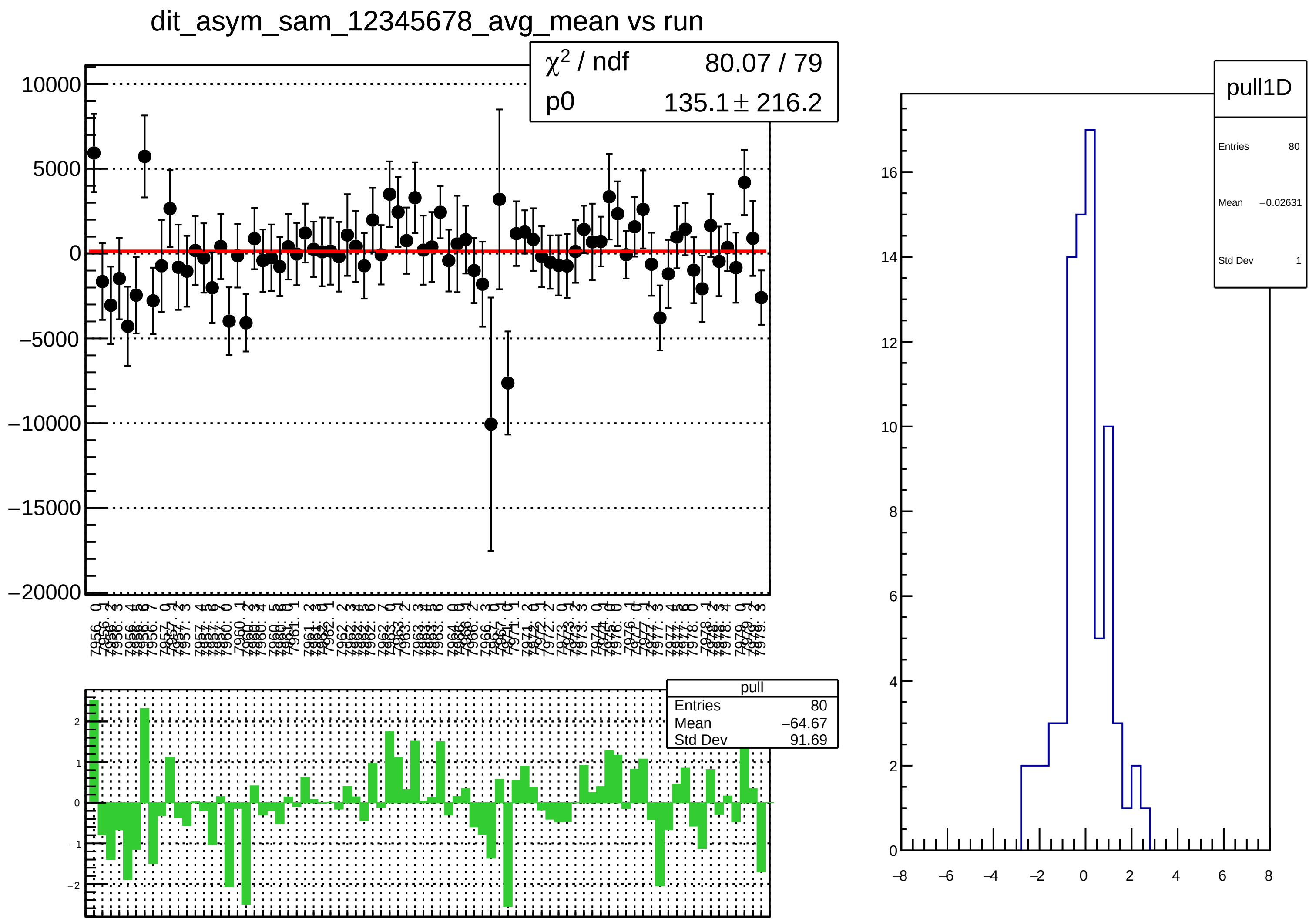

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2859 / 79
p0 661.1 ± 0.5244
760
740
720
700
680
660
640
620
600

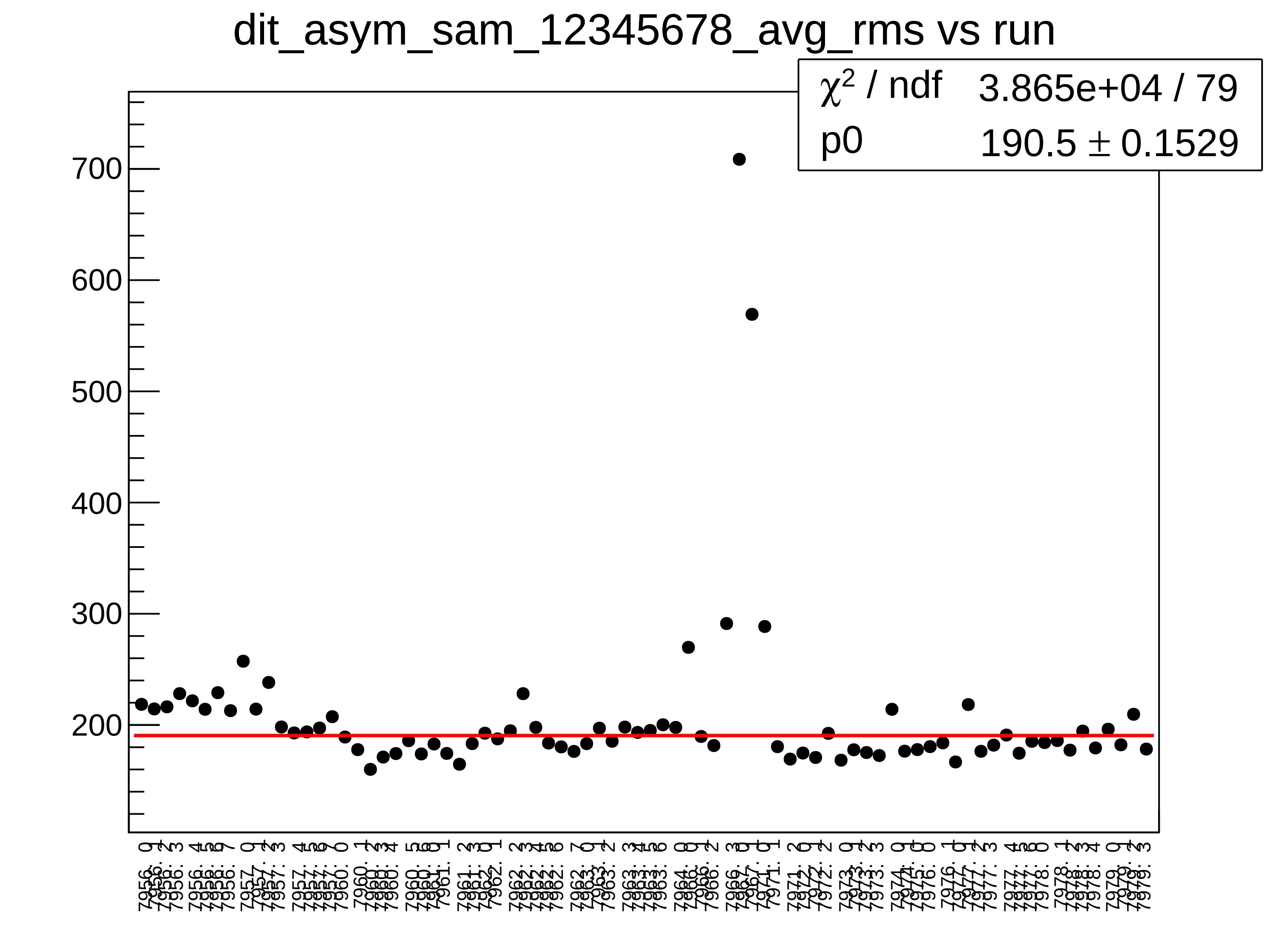


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 102.3 / 79
p0 501.5 ± 738.2
pull
Entries 80
Mean 813.2
Std Dev 772
pull1D
Entries 80
Mean 0.005545
Std Dev 1.131

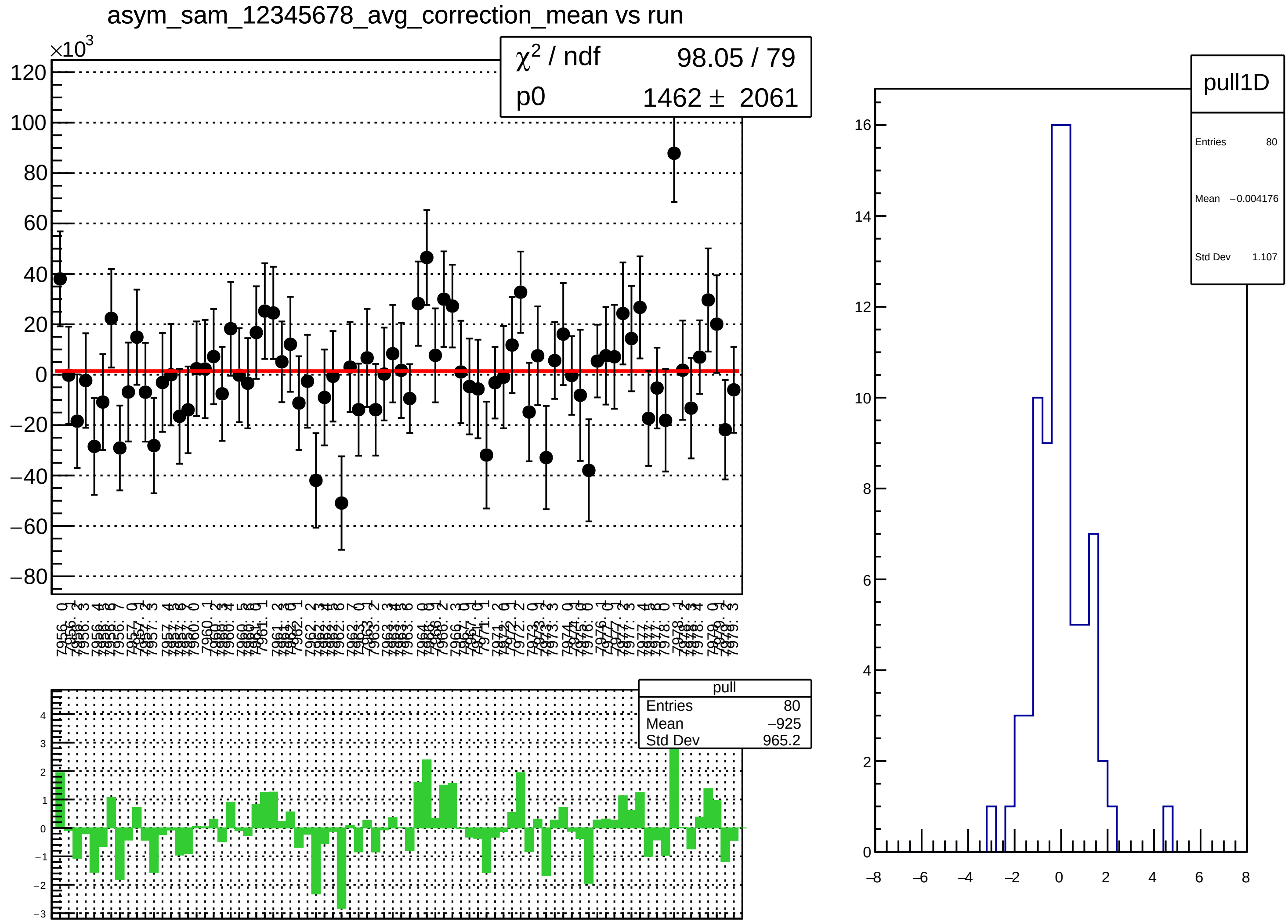


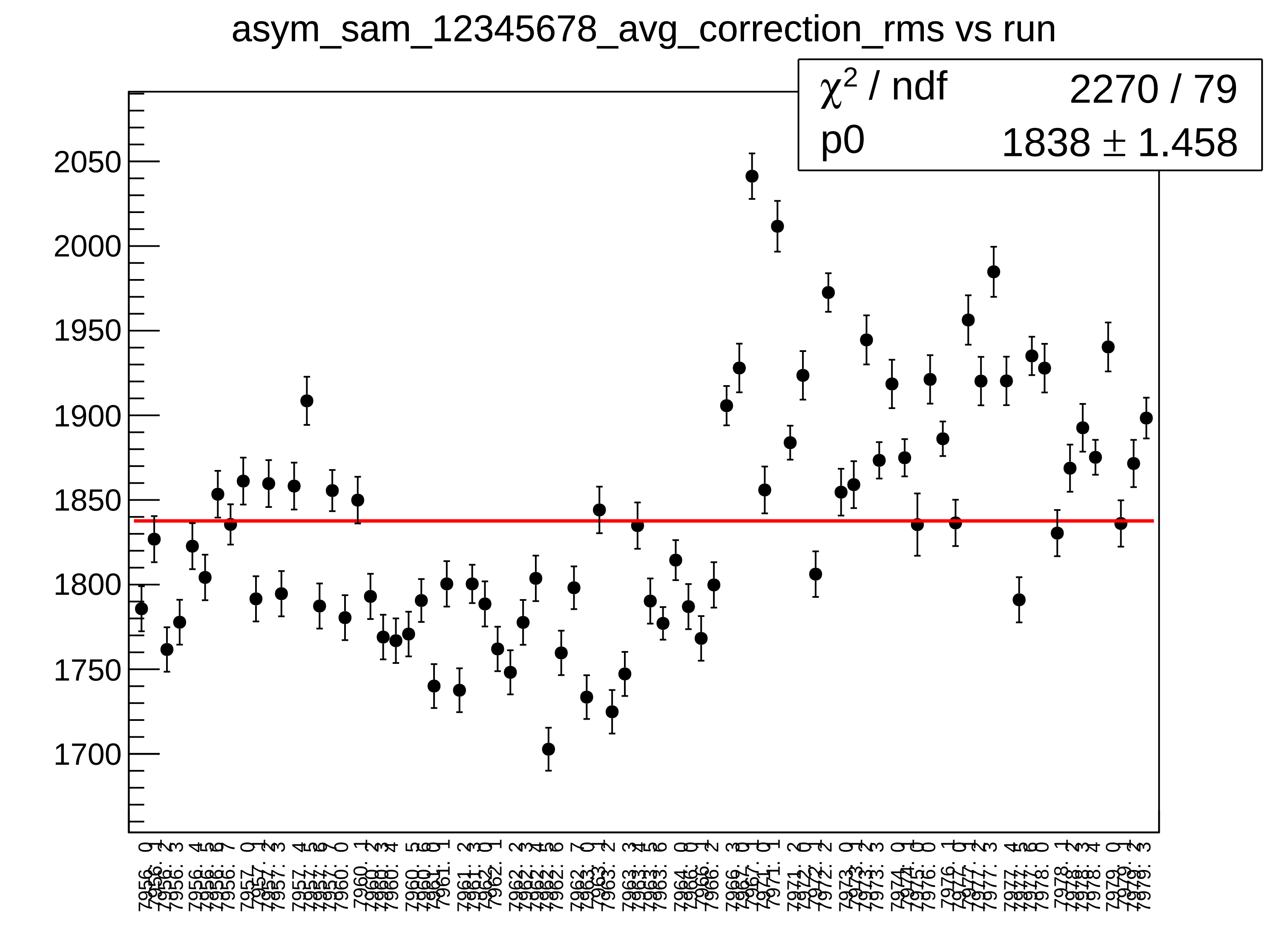
asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 6176 / 79
p0 657.3 ± 0.522
850
800
750
700
650
600
550


dit_asym_sam_12345678_avg_mean vs run
χ2 / ndf 80.07 / 79
p0 135.1 ± 216.2
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 80
Mean −64.67
Std Dev 91.69
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.02631
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

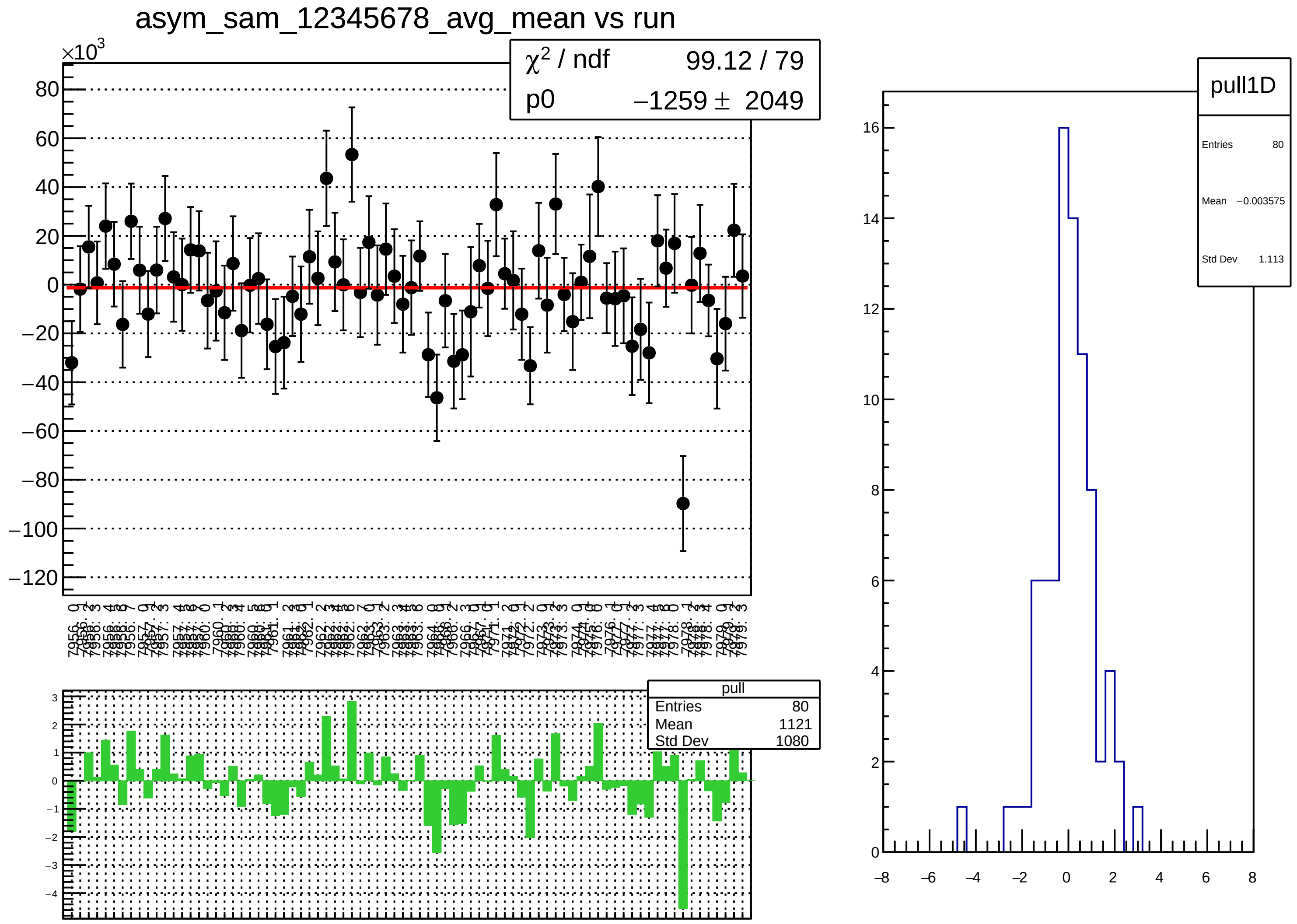


dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.865e+04 / 79
p0 190.5 ± 0.1529
700
600
500
400
300
200

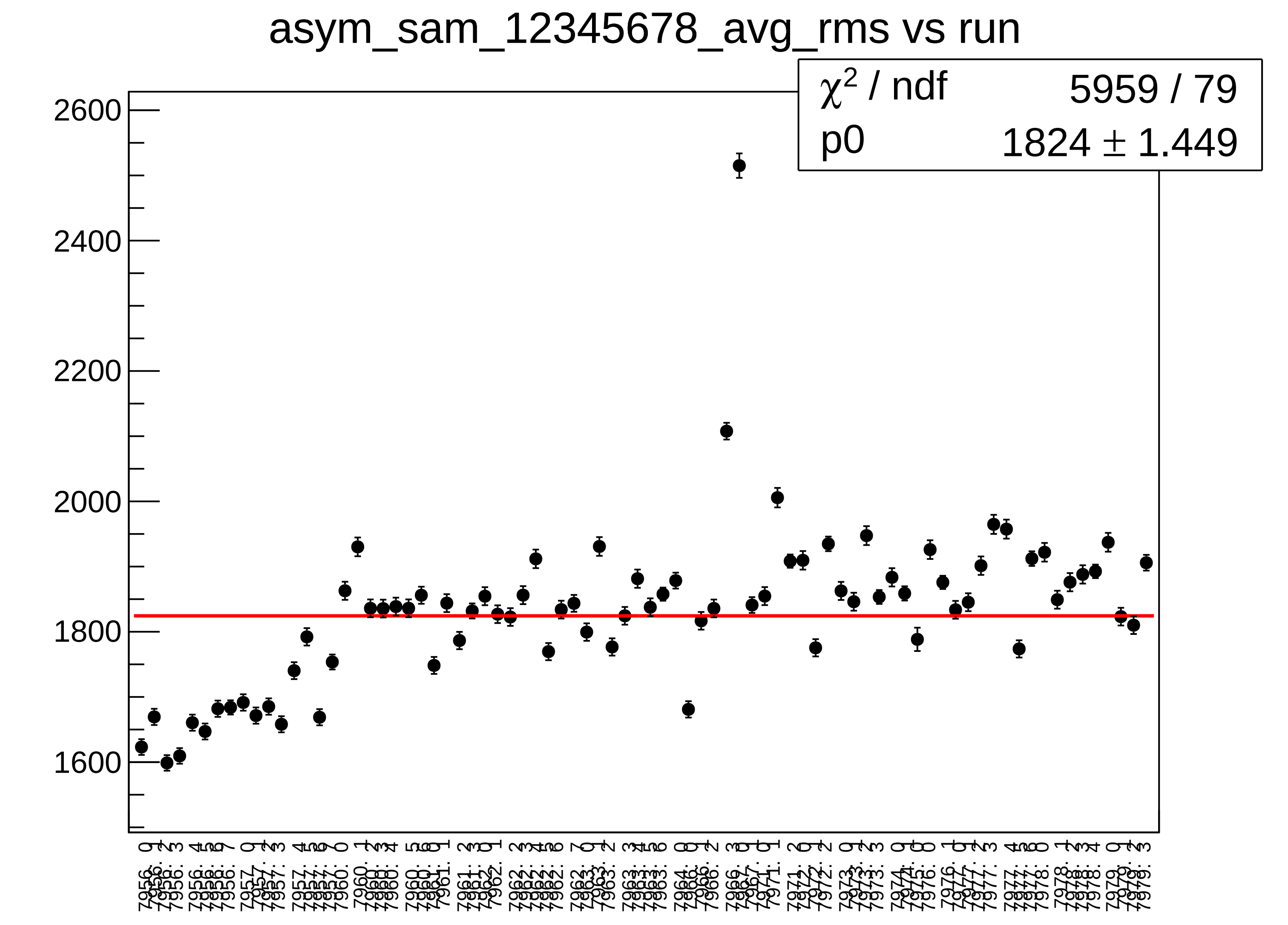

asym_sam_12345678_avg_correction_mean vs run
×10^3
χ2 / ndf 98.05 / 79
p0 1462 ± 2061
pull
Entries 80
Mean −925
Std Dev 965.2
pull1D
Entries 80
Mean −0.004176
Std Dev 1.107

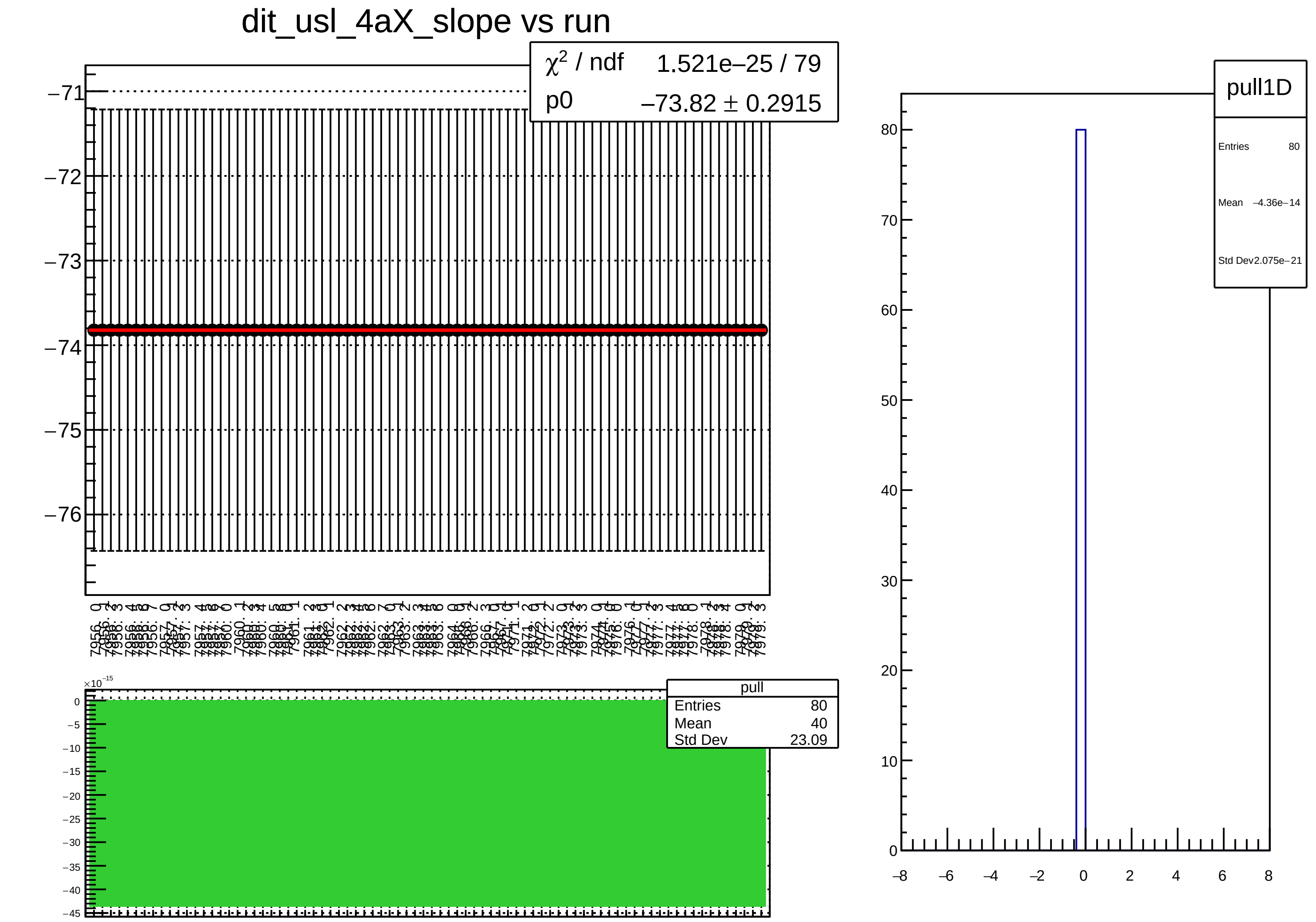


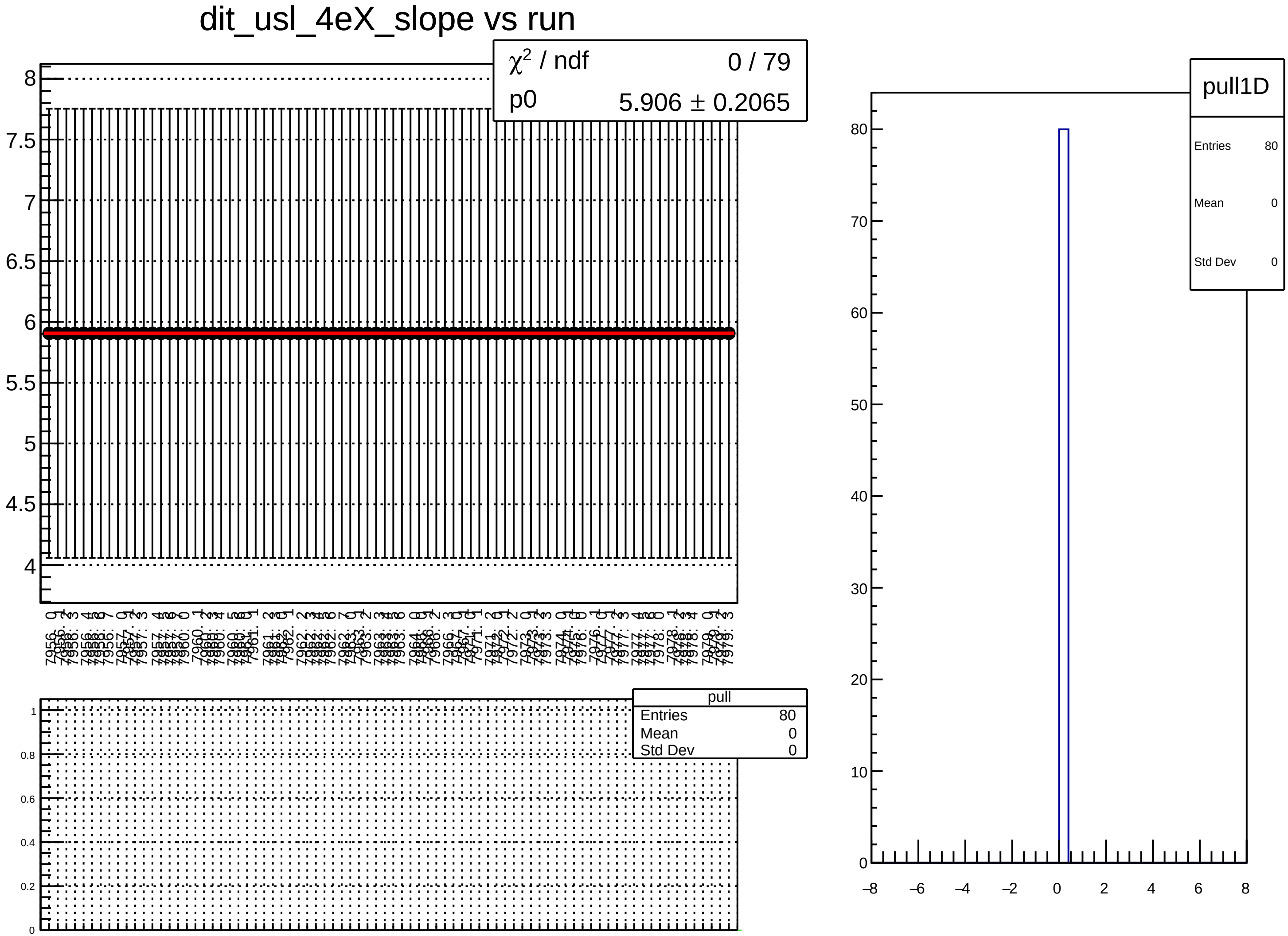
asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2270 / 79
p0 1838 ± 1.458

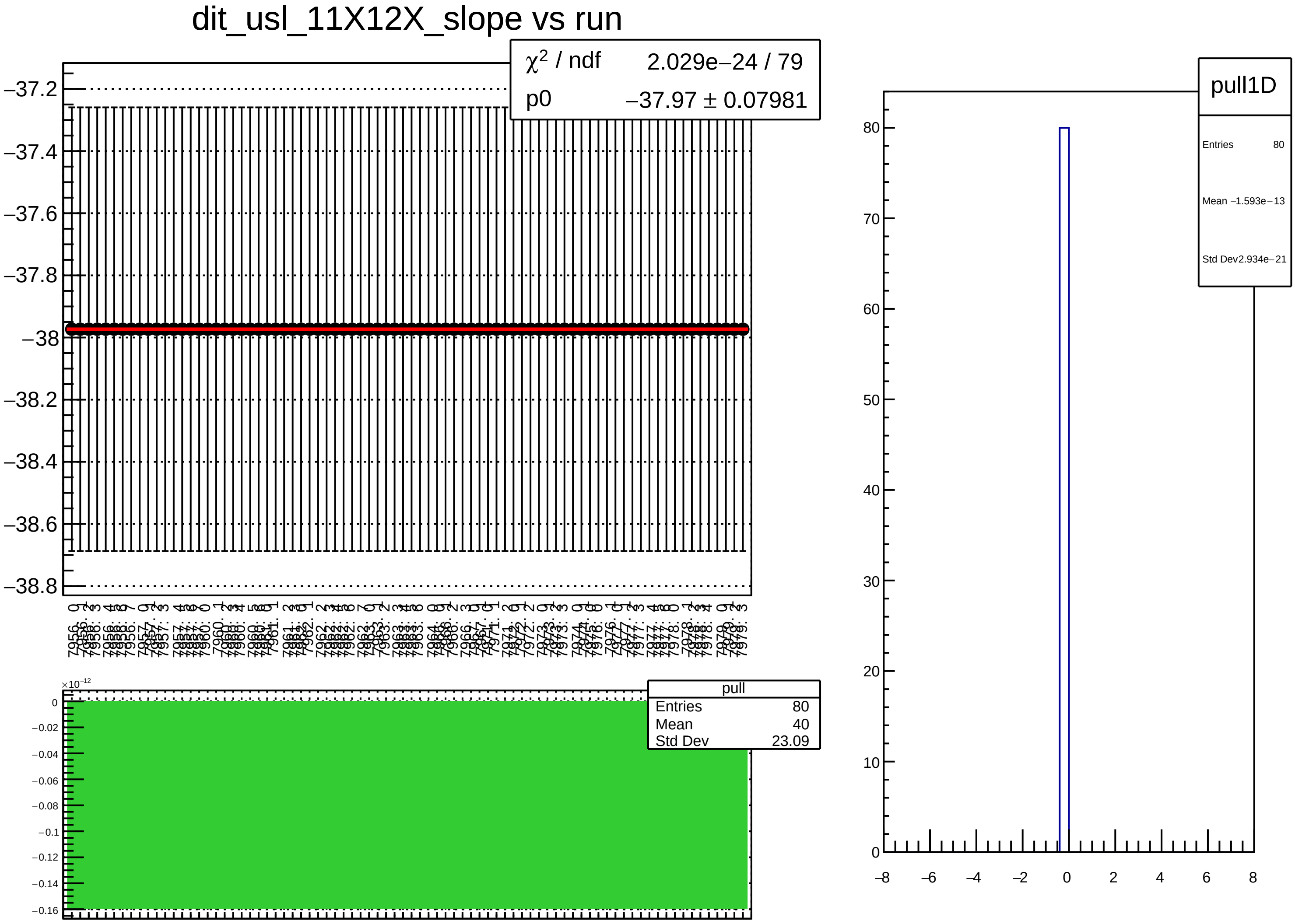


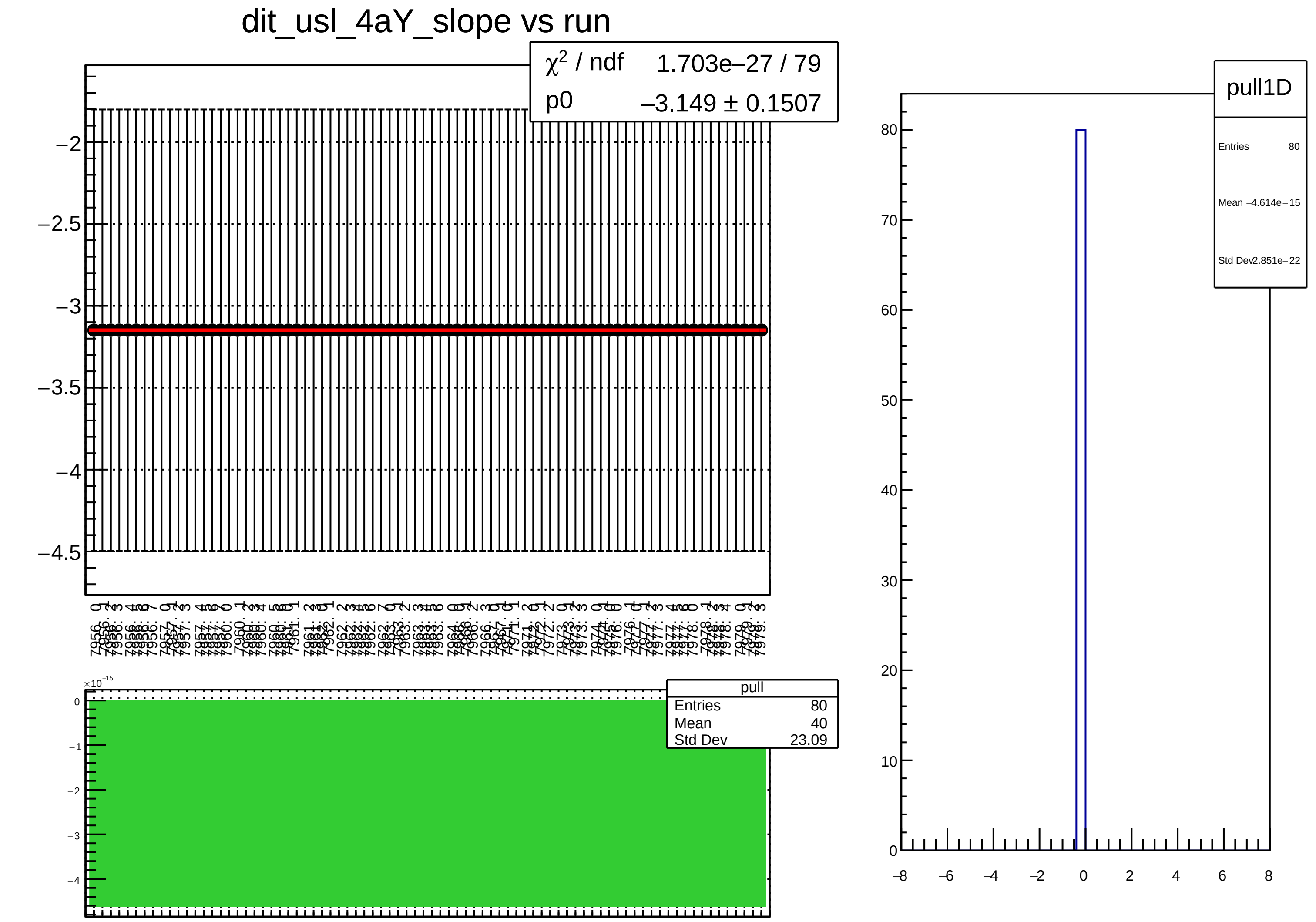
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 99.12 / 79
p0 −1259 ± 2049
×10³
pull
Entries 80
Mean 1121
Std Dev 1080
pull1D
Entries 80
Mean −0.003575
Std Dev 1.113


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

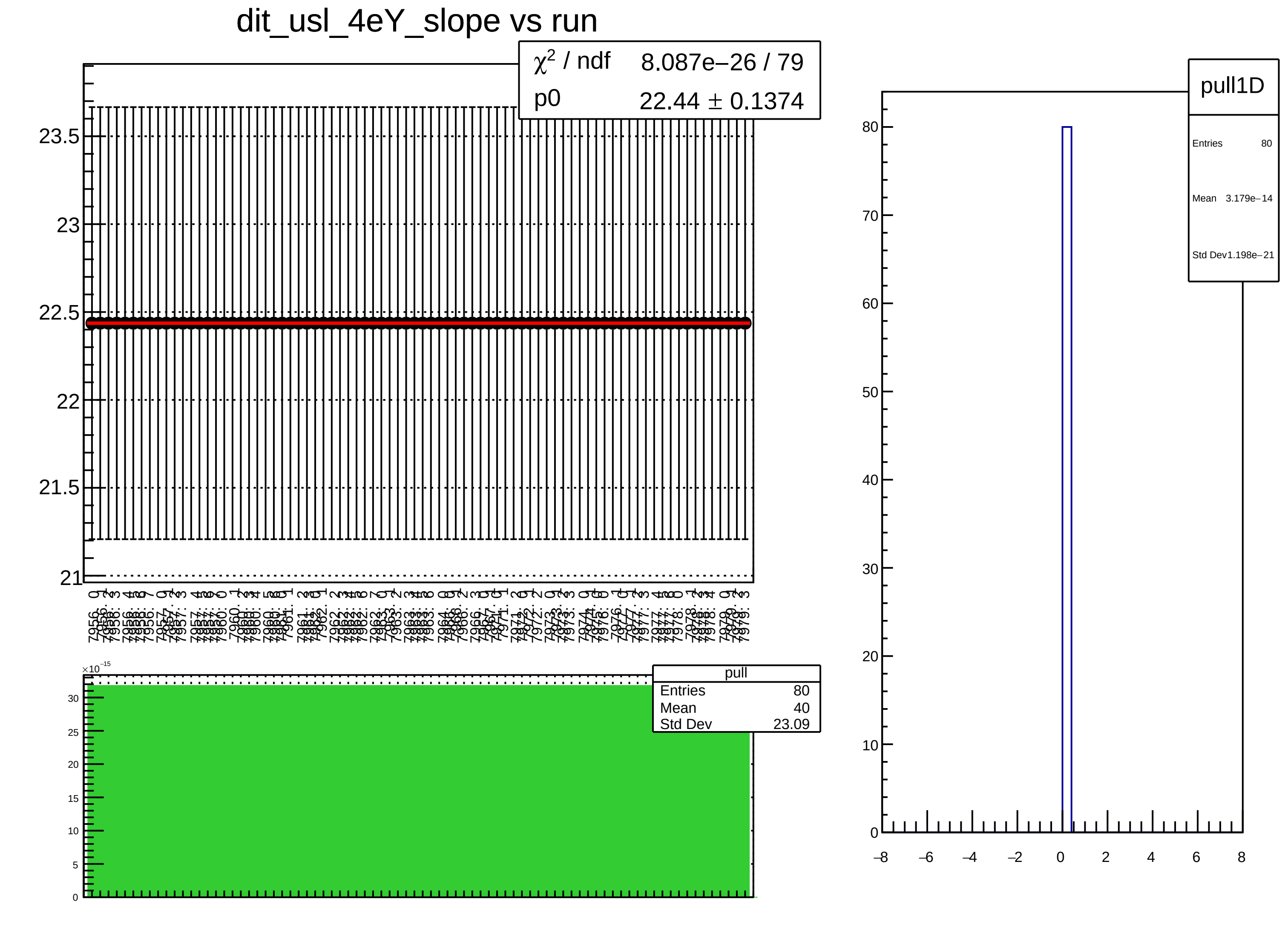

dit_usl_4aX_slope vs run
χ2 / ndf 1.521e−25 / 79
p0 −73.82 ± 0.2915
−71
−72
−73
−74
−75
−76
×10−15
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −4.36e−14
Std Dev 2.075e−21


dit_usl_4eX_slope vs run
χ^2 / ndf 0 / 79
p0 5.906 ± 0.2065
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0

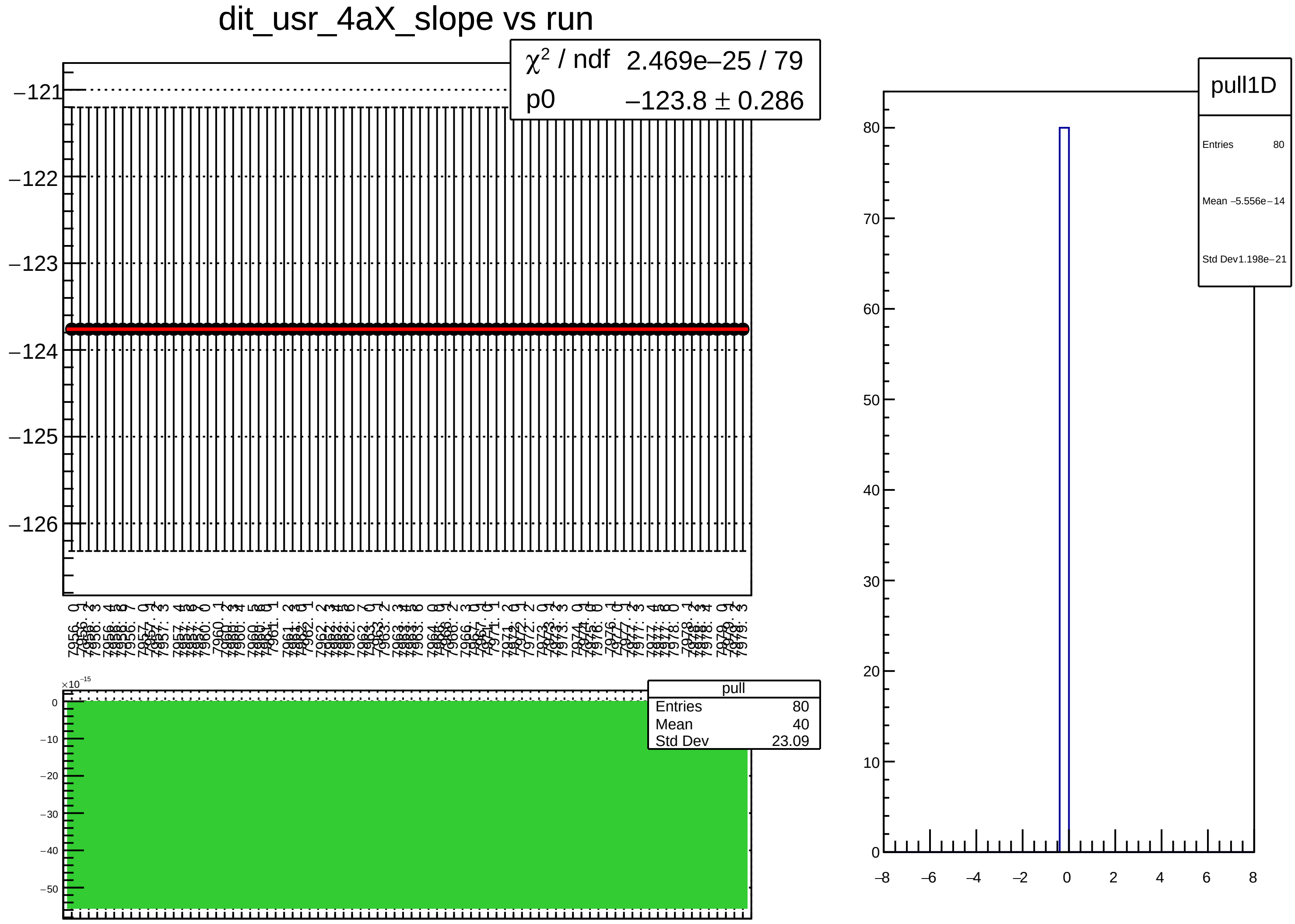

dit_usl_11X12X_slope vs run
χ2 / ndf 2.029e−24 / 79
p0 −37.97 ± 0.07981
−37.2
−37.4
−37.6
−37.8
−38
−38.2
−38.4
−38.6
−38.8
×10−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.593e−13
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

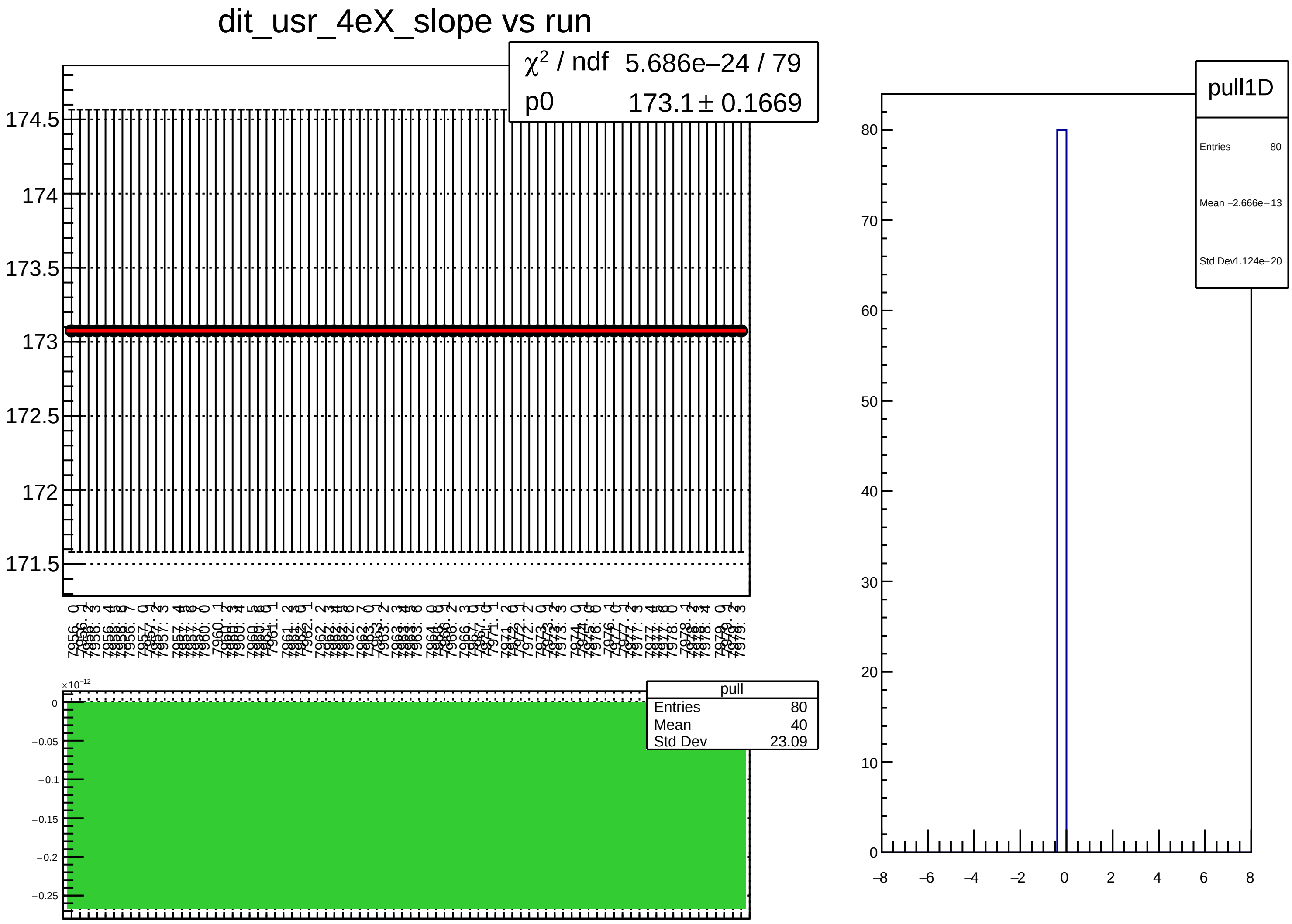


dit_usl_4aY_slope vs run
χ^2 / ndf 1.703e−27 / 79
p0 −3.149 ± 0.1507
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −4.614e−15
Std Dev 2.851e−22

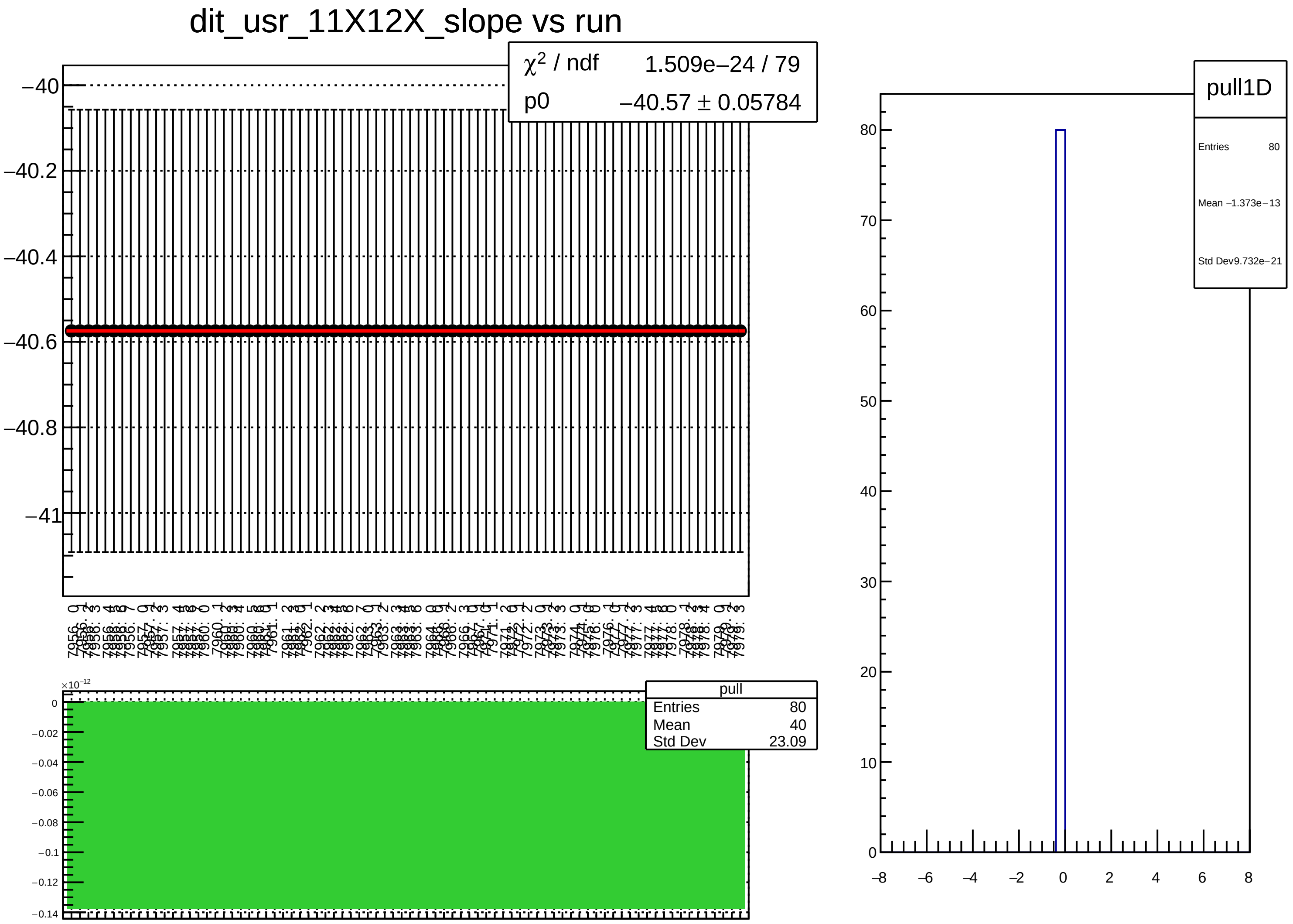


dit_usl_4eY_slope vs run
χ^2 / ndf 8.087e−26 / 79
p0 22.44 ± 0.1374
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.179e−14
Std Dev 1.198e−21

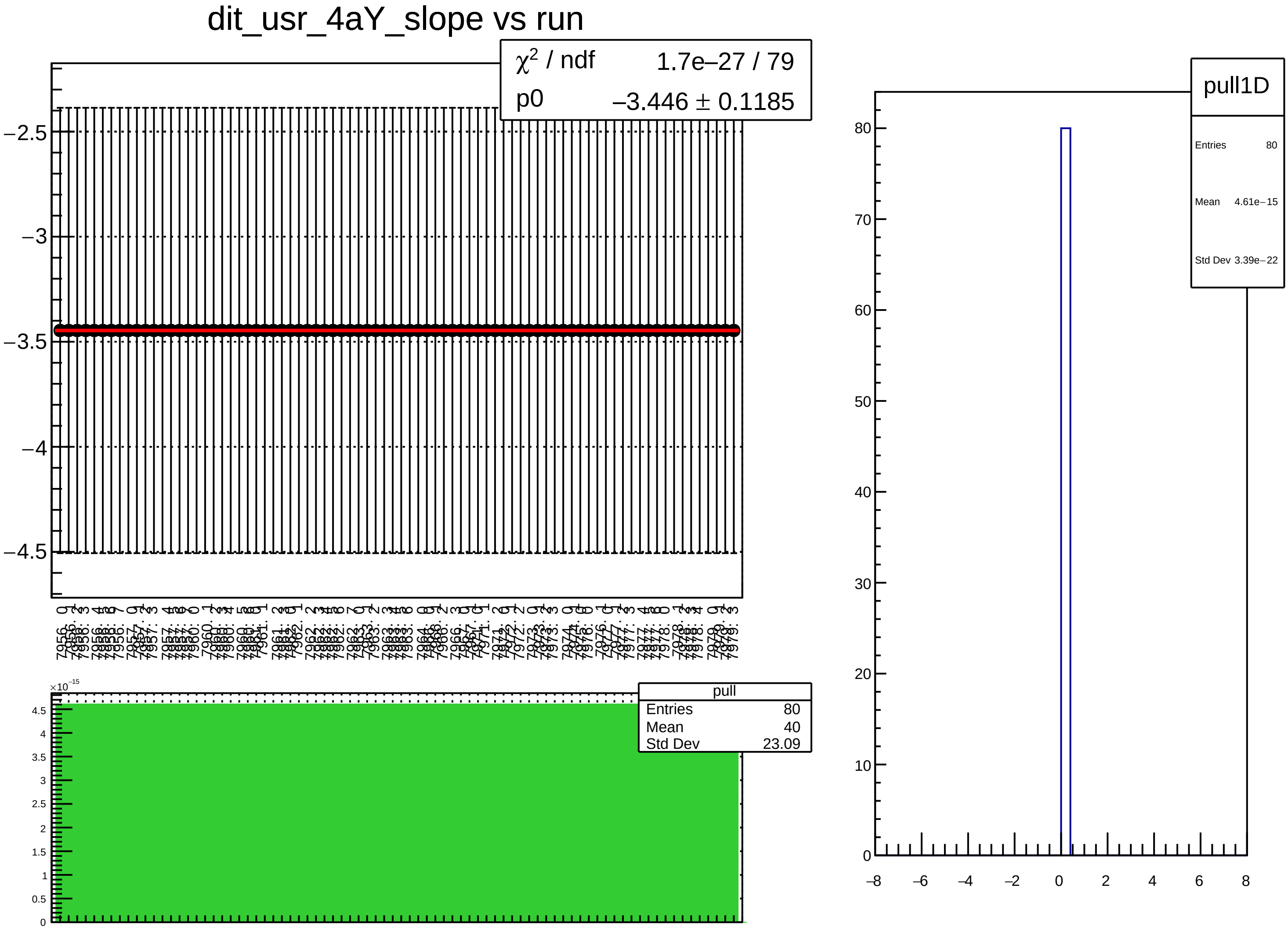

dit_usr_4aX_slope vs run
χ^2 / ndf 2.469e−25 / 79
p0 −123.8 ± 0.286
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.556e−14
Std Dev 1.198e−21



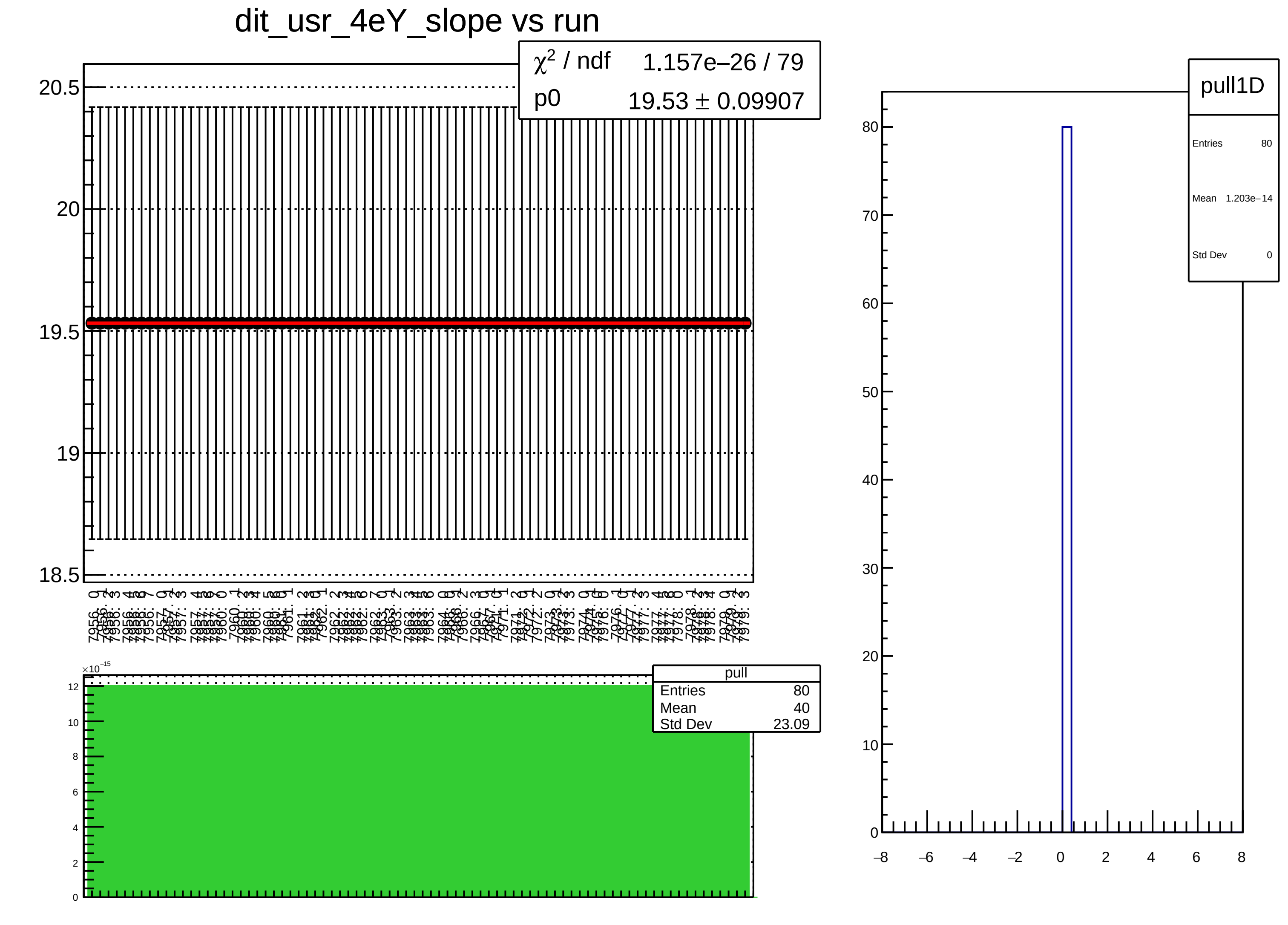
dit_usr_4eX_slope vs run
χ^2 / ndf 5.686e−24 / 79
p0 173.1 ± 0.1669
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.666e−13
Std Dev 1.124e−20

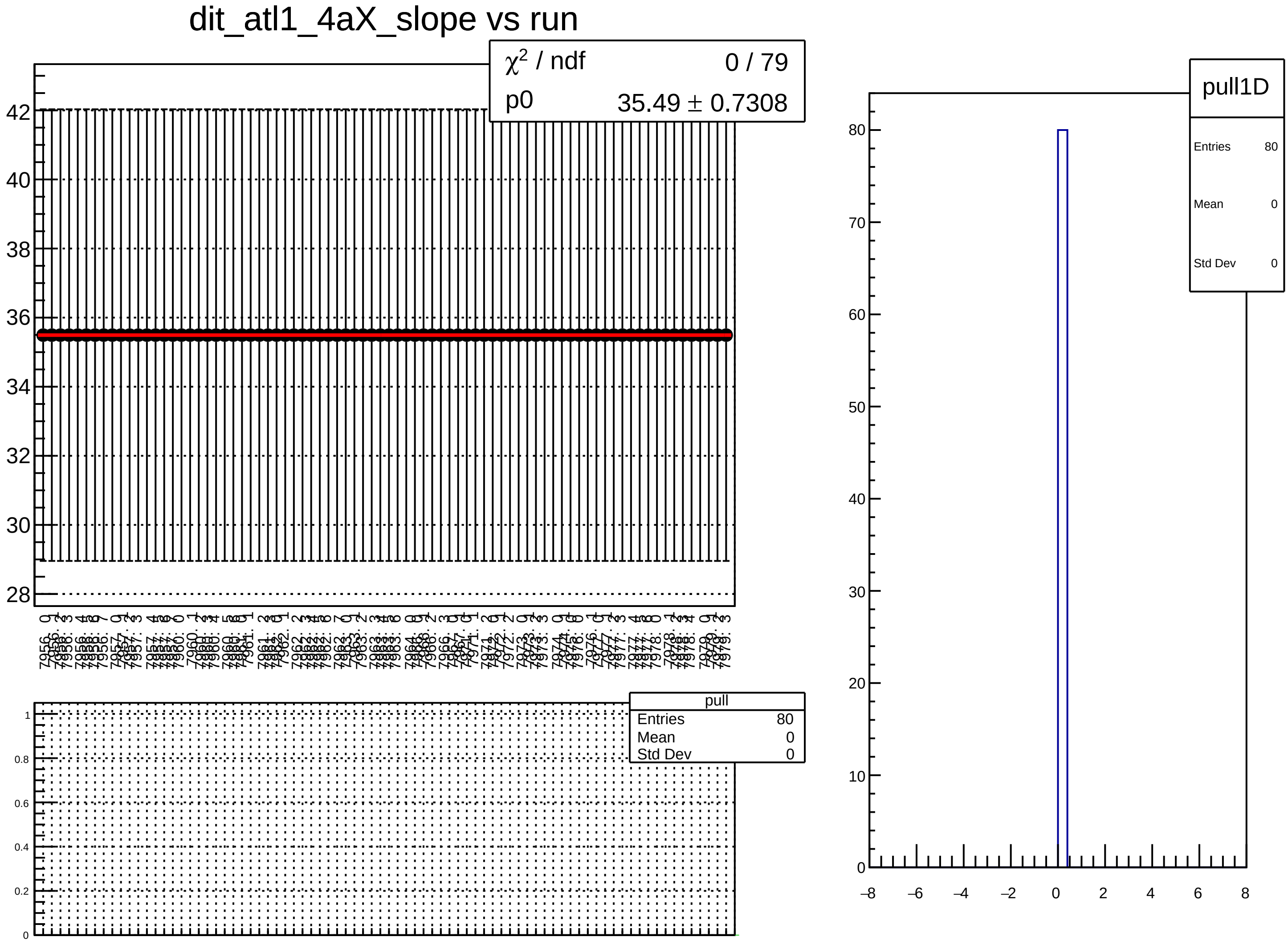


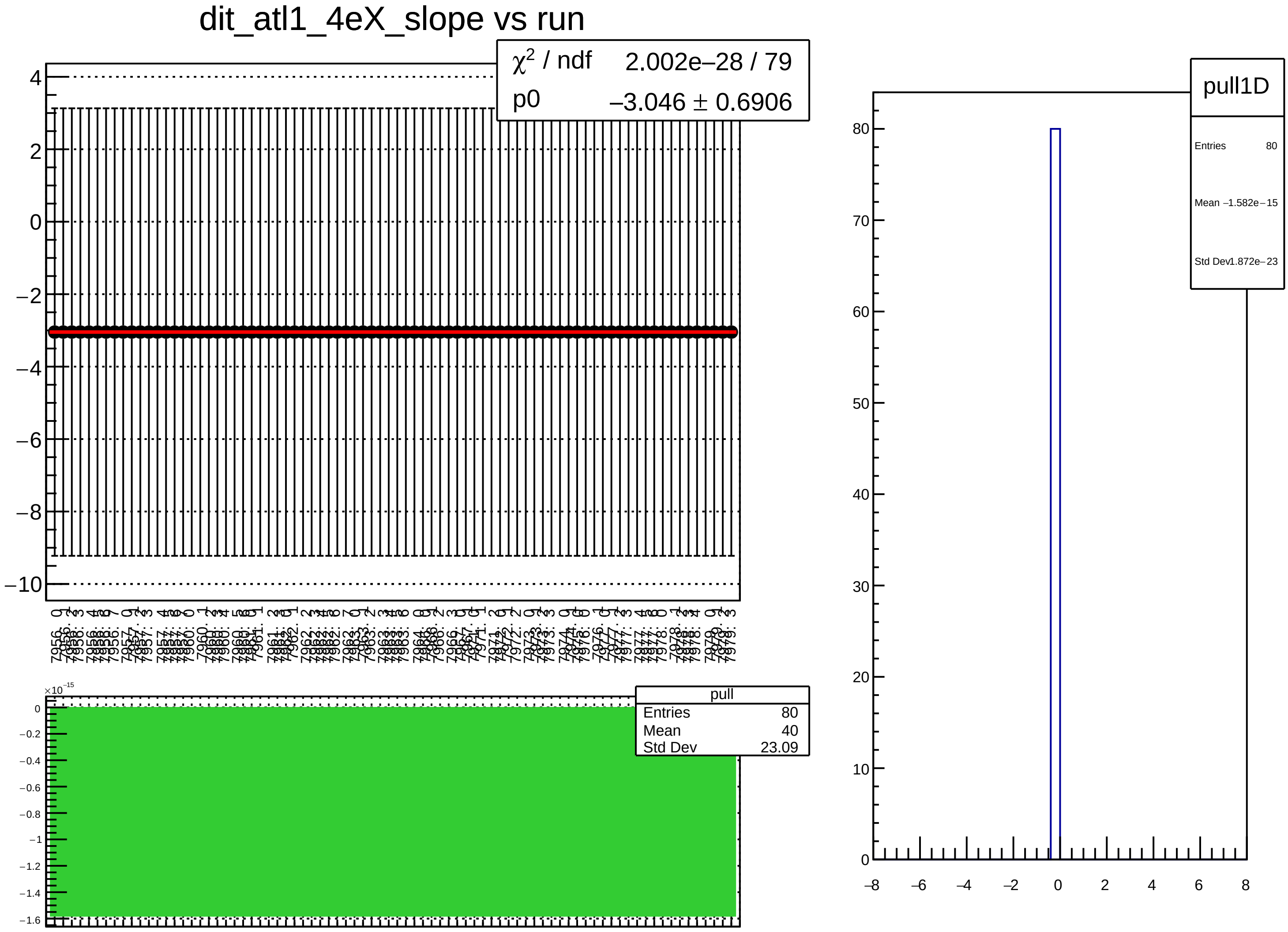
dit_usr_11X12X_slope vs run
χ2 / ndf 1.509e−24 / 79
p0 −40.57 ± 0.05784
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.373e−13
Std Dev 9.732e−21



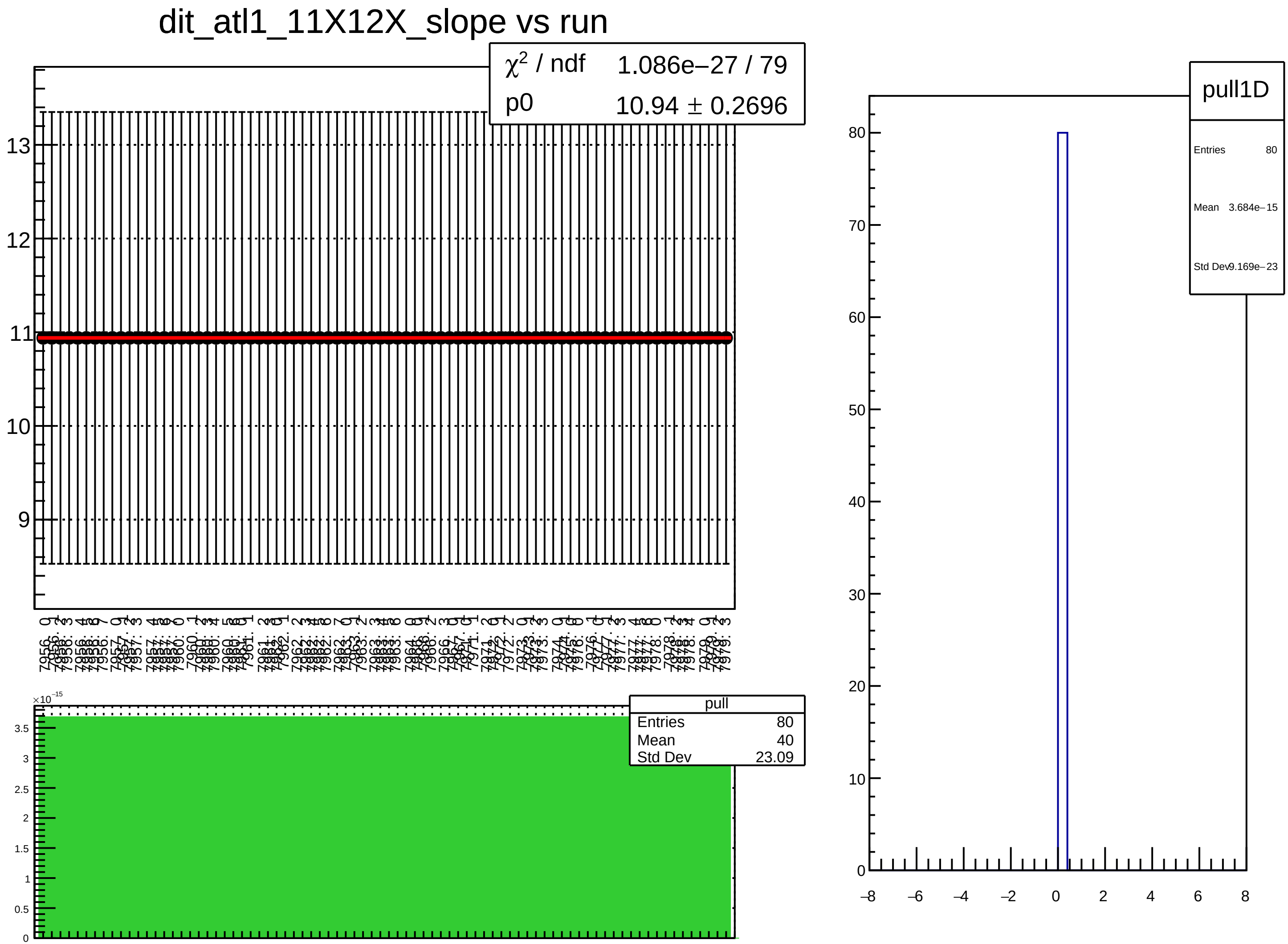
dit_usr_4aY_slope vs run
χ^2 / ndf 1.7e–27 / 79
p0 –3.446 ± 0.1185
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.61e–15
Std Dev 3.39e–22


dit_usr_4eY_slope vs run
χ^2 / ndf 1.157e−26 / 79
p0 19.53 ± 0.09907
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.203e−14
Std Dev 0

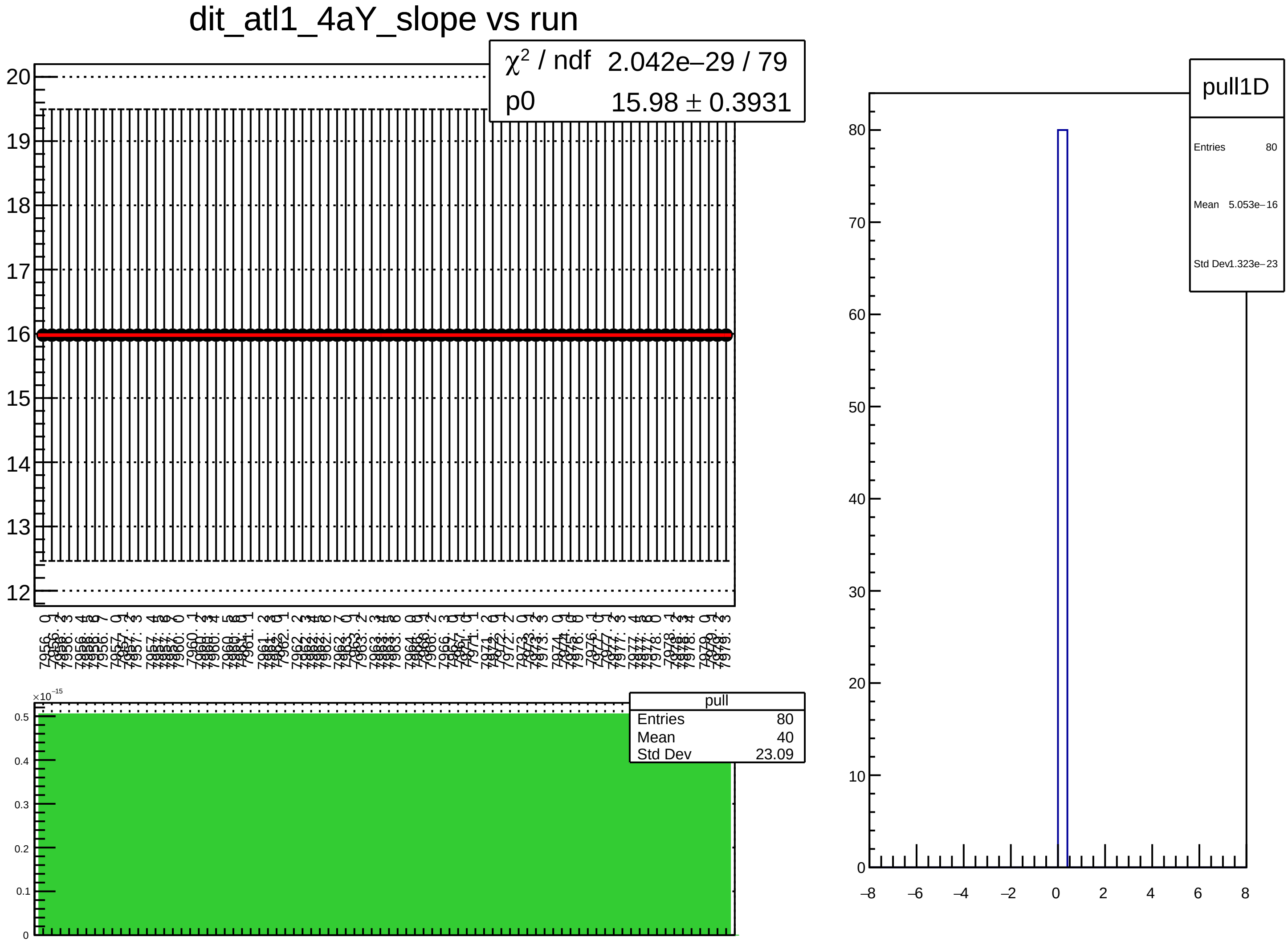

dit_atl1_4aX_slope vs run
χ2 / ndf 0 / 79
p0 35.49 ± 0.7308
42
40
38
36
34
32
30
28
pull
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 80
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8



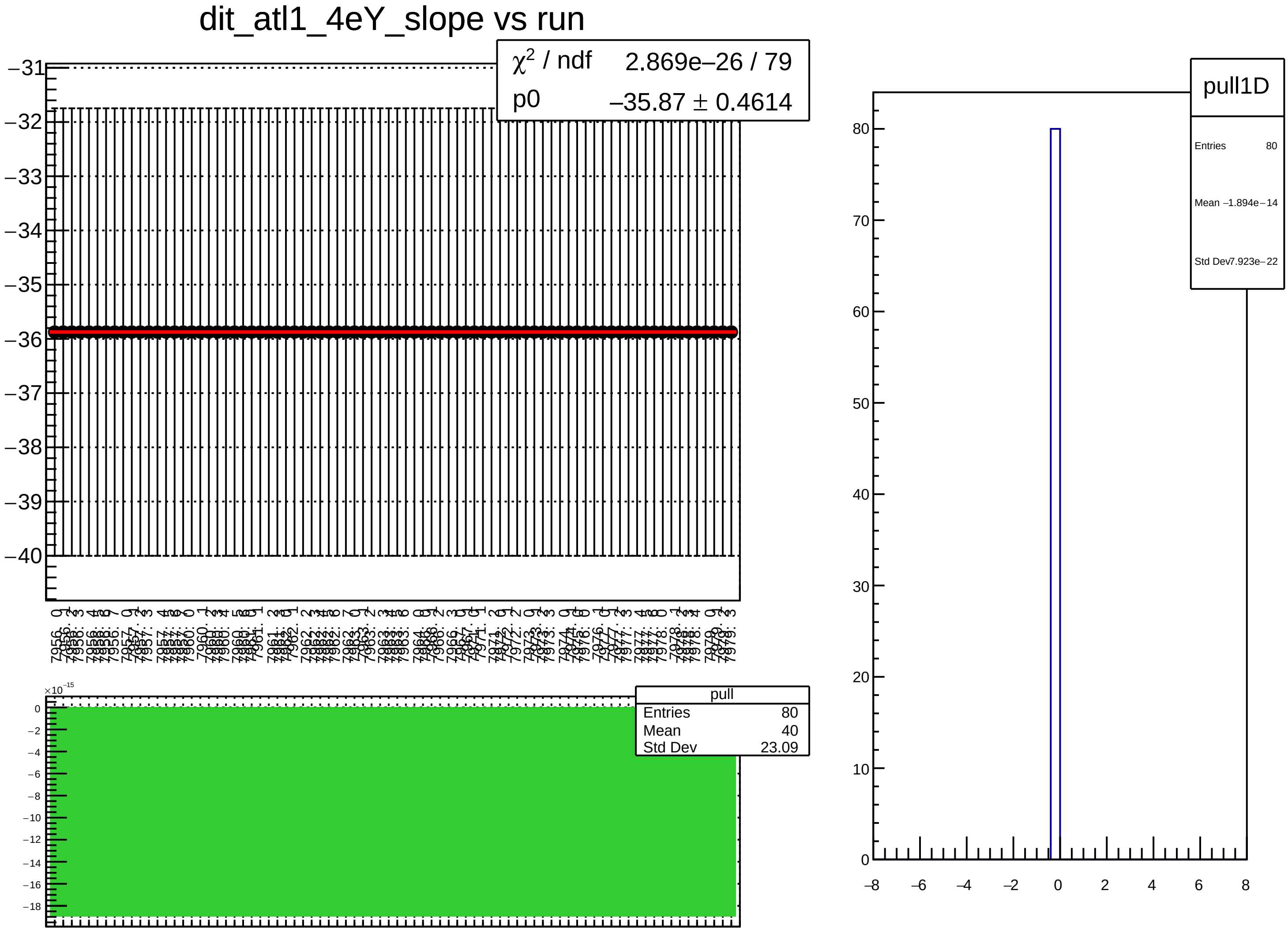
dit_atl1_4eX_slope vs run
χ^2 / ndf 2.002e−28 / 79
p0 −3.046 ± 0.6906
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.582e−15
Std Dev 1.872e−23



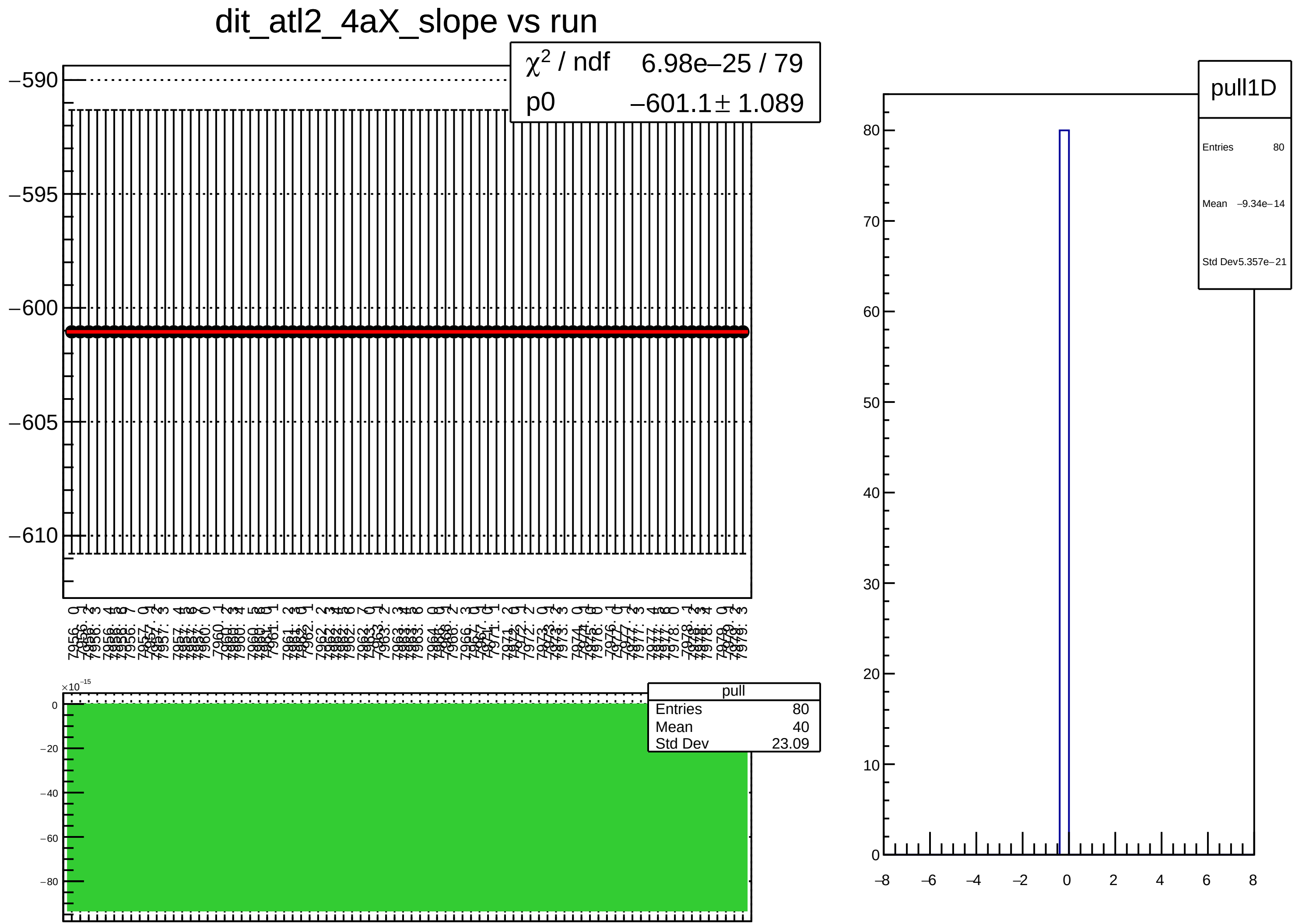
dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.086e−27 / 79
p0 10.94 ± 0.2696
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.684e−15
Std Dev 9.169e−23



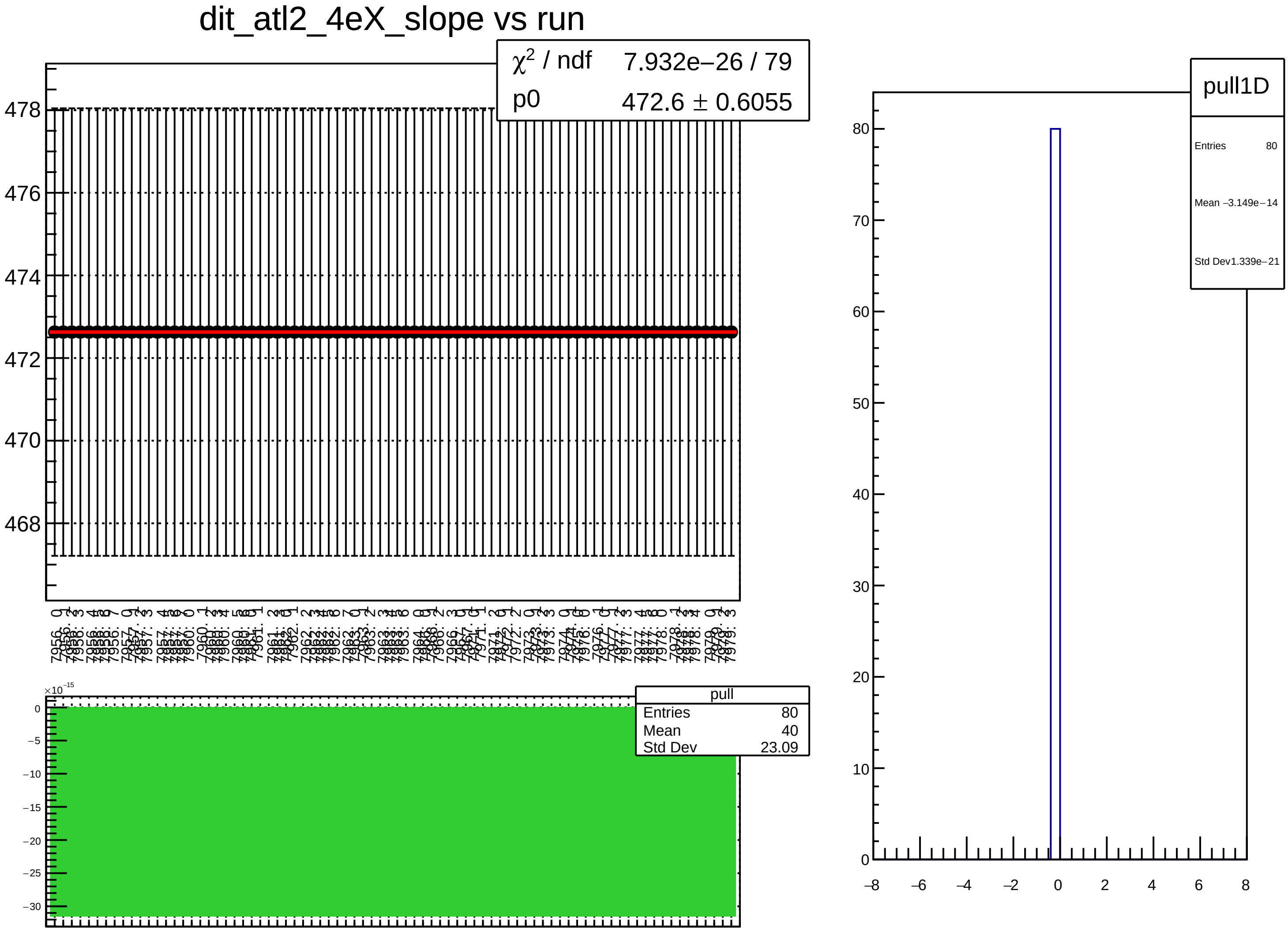
dit_atl1_4aY_slope vs run
χ^2 / ndf 2.042e−29 / 79
p0 15.98 ± 0.3931
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.053e−16
Std Dev 1.323e−23



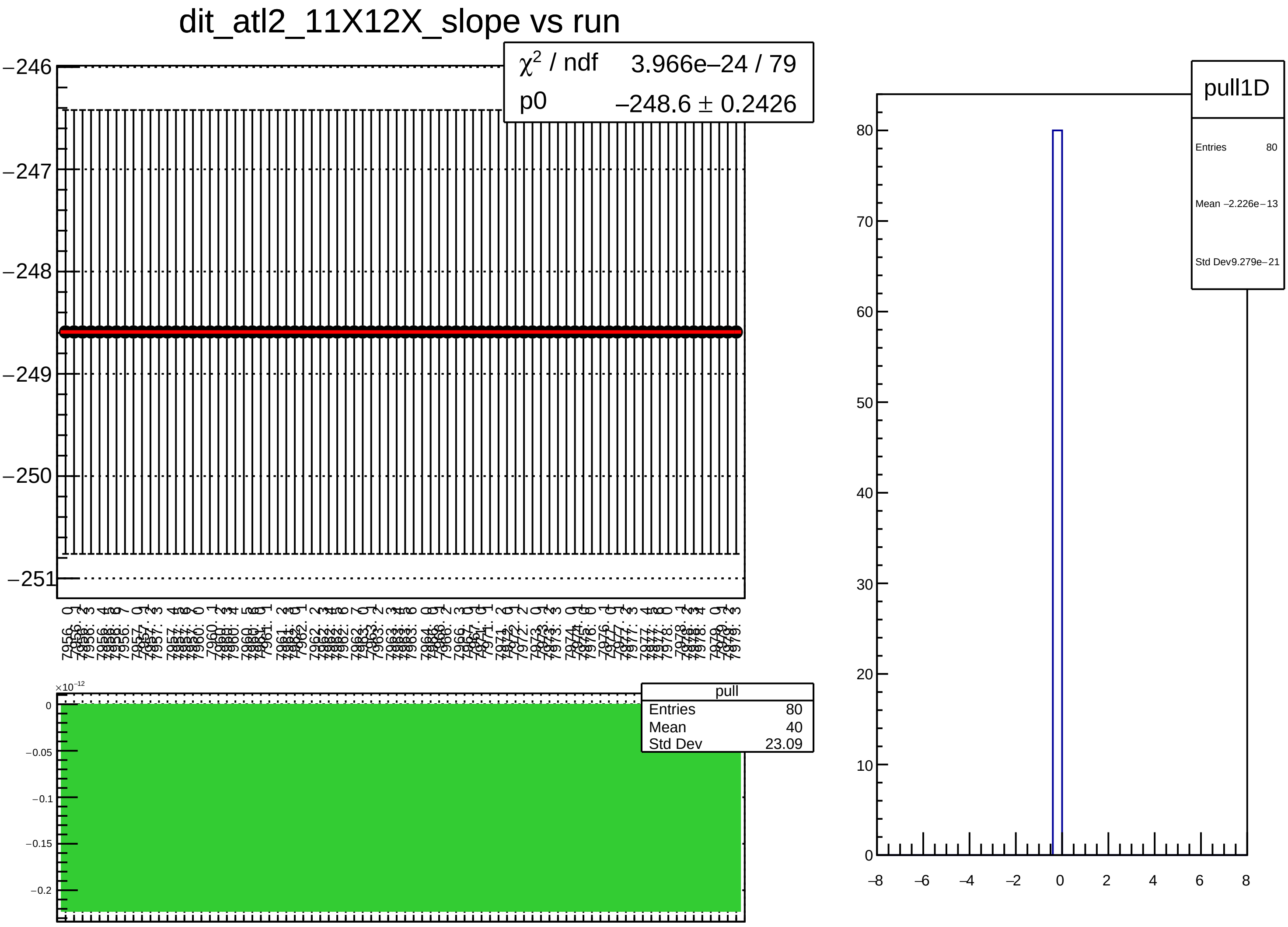
dit_atl1_4eY_slope vs run
χ2 / ndf 2.869e−26 / 79
p0 −35.87 ± 0.4614
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.894e−14
Std Dev 7.923e−22

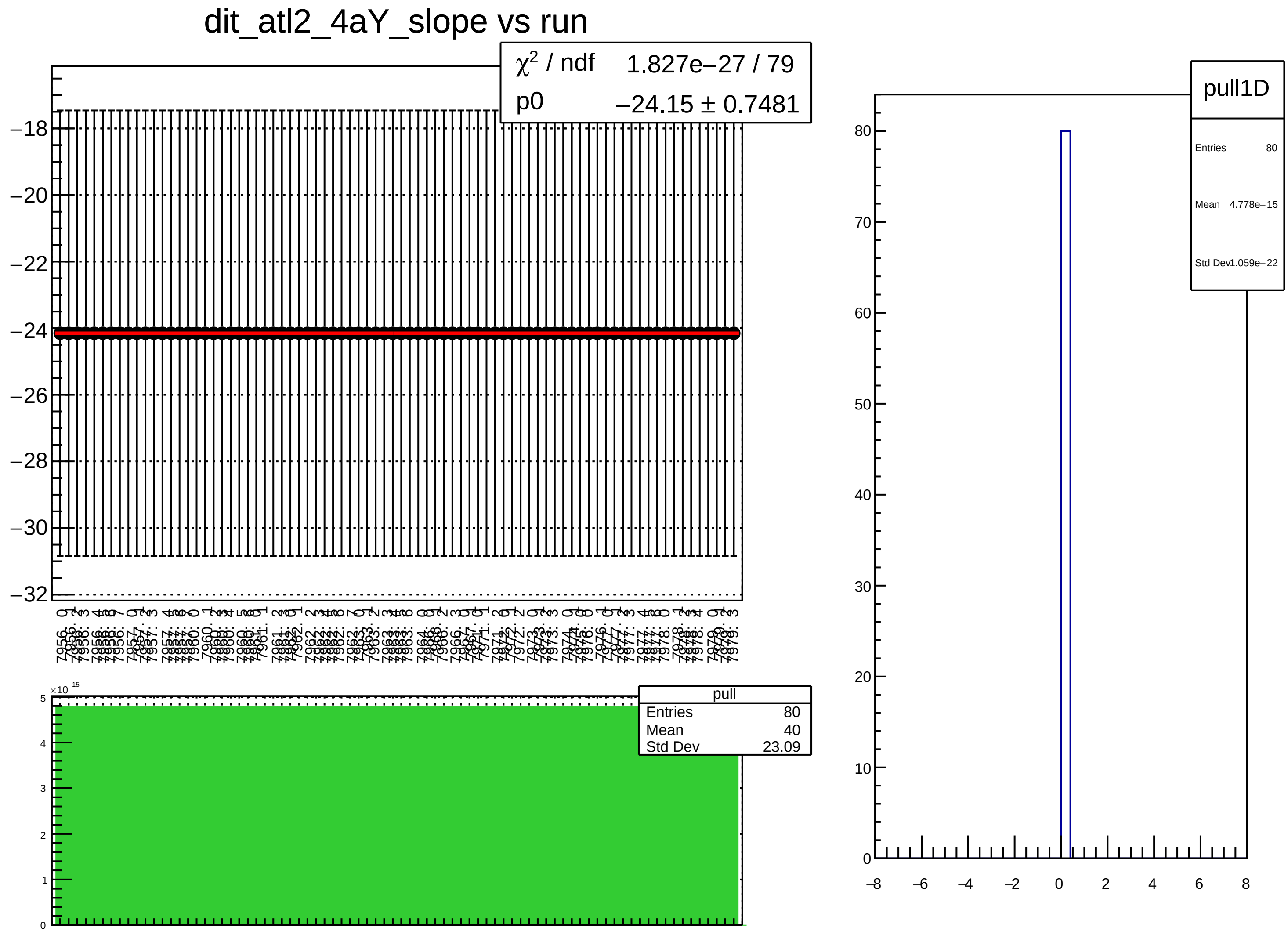


dit_atl2_4aX_slope vs run
χ2 / ndf 6.98e−25 / 79
p0 −601.1 ± 1.089
−590
−595
−600
−605
−610
×10−15
0
−20
−40
−60
−80
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −9.34e−14
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

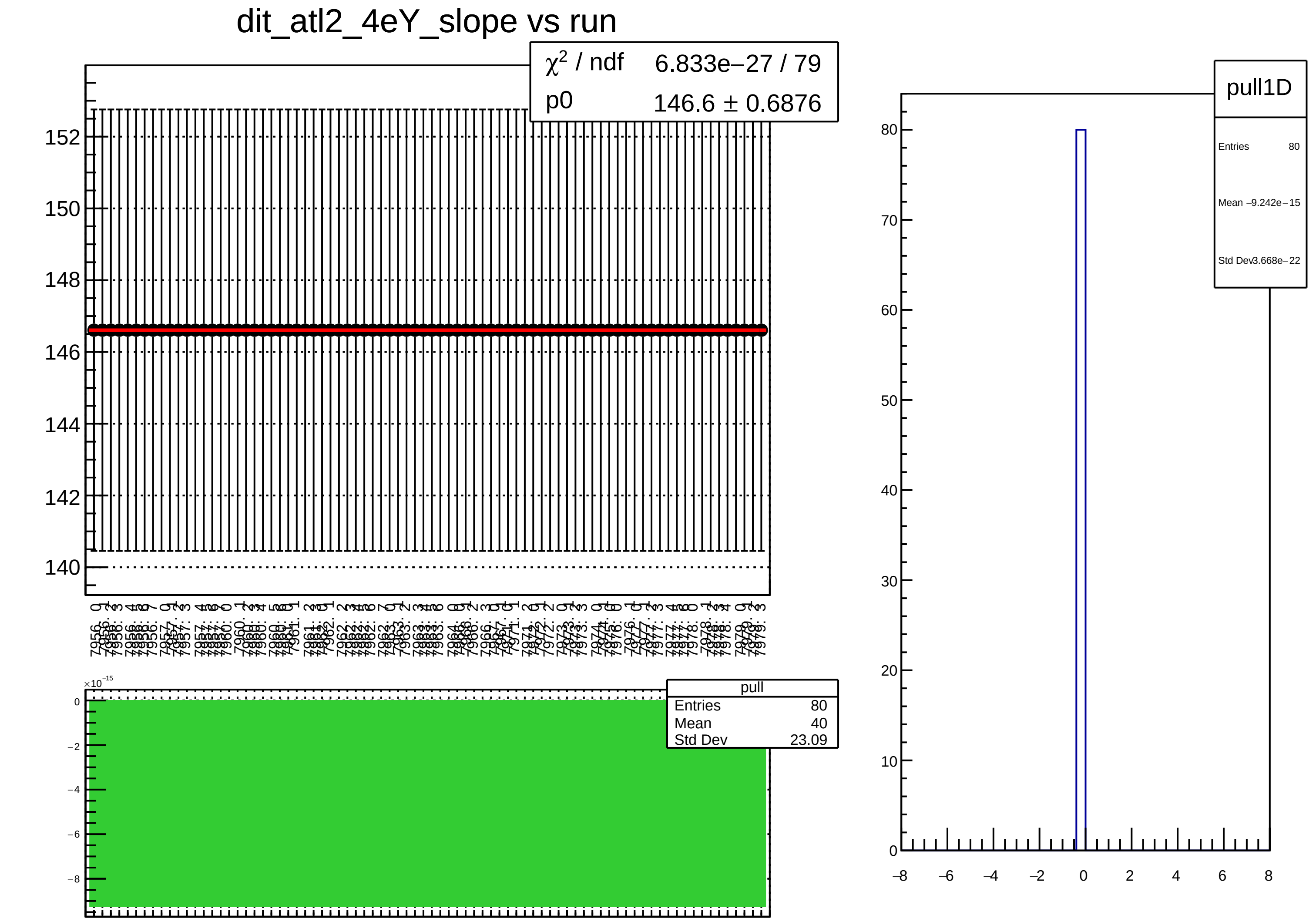


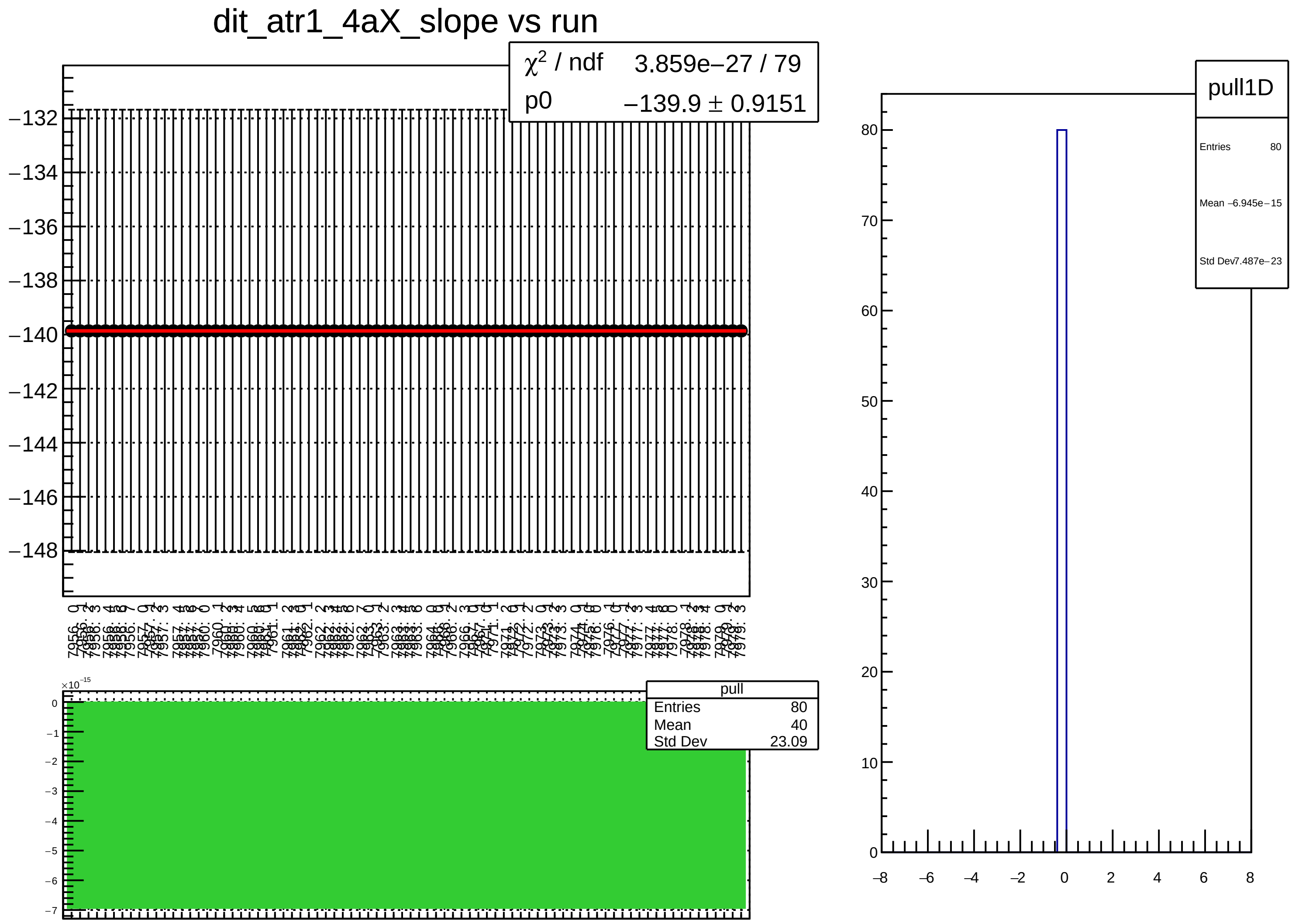
dit_atl2_4eX_slope vs run
χ2 / ndf 7.932e−26 / 79
p0 472.6 ± 0.6055
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.149e−14
Std Dev 1.339e−21


dit_atl2_11X12X_slope vs run
χ2 / ndf 3.966e−24 / 79
p0 −248.6 ± 0.2426
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.226e−13
Std Dev 9.279e−21

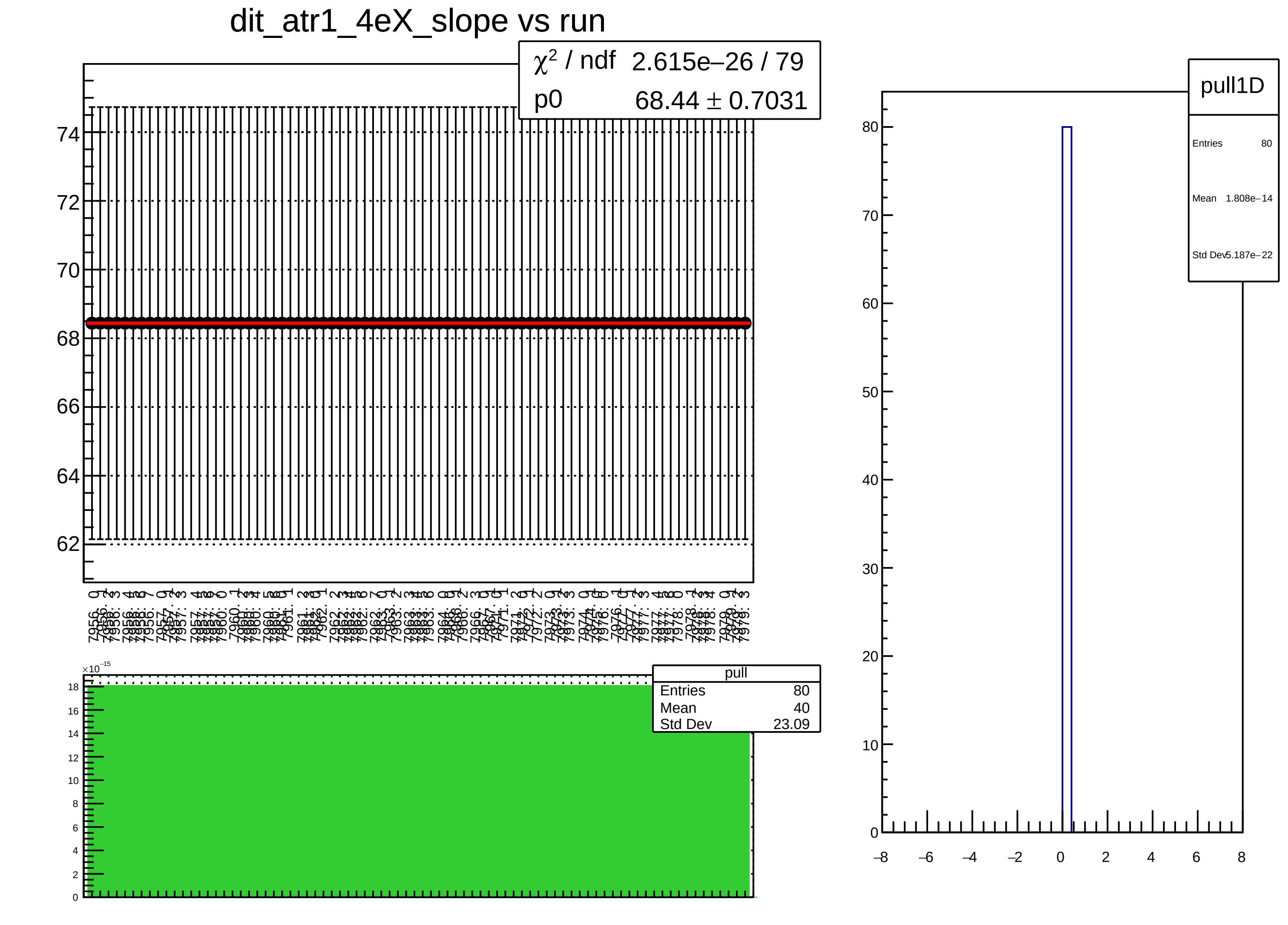


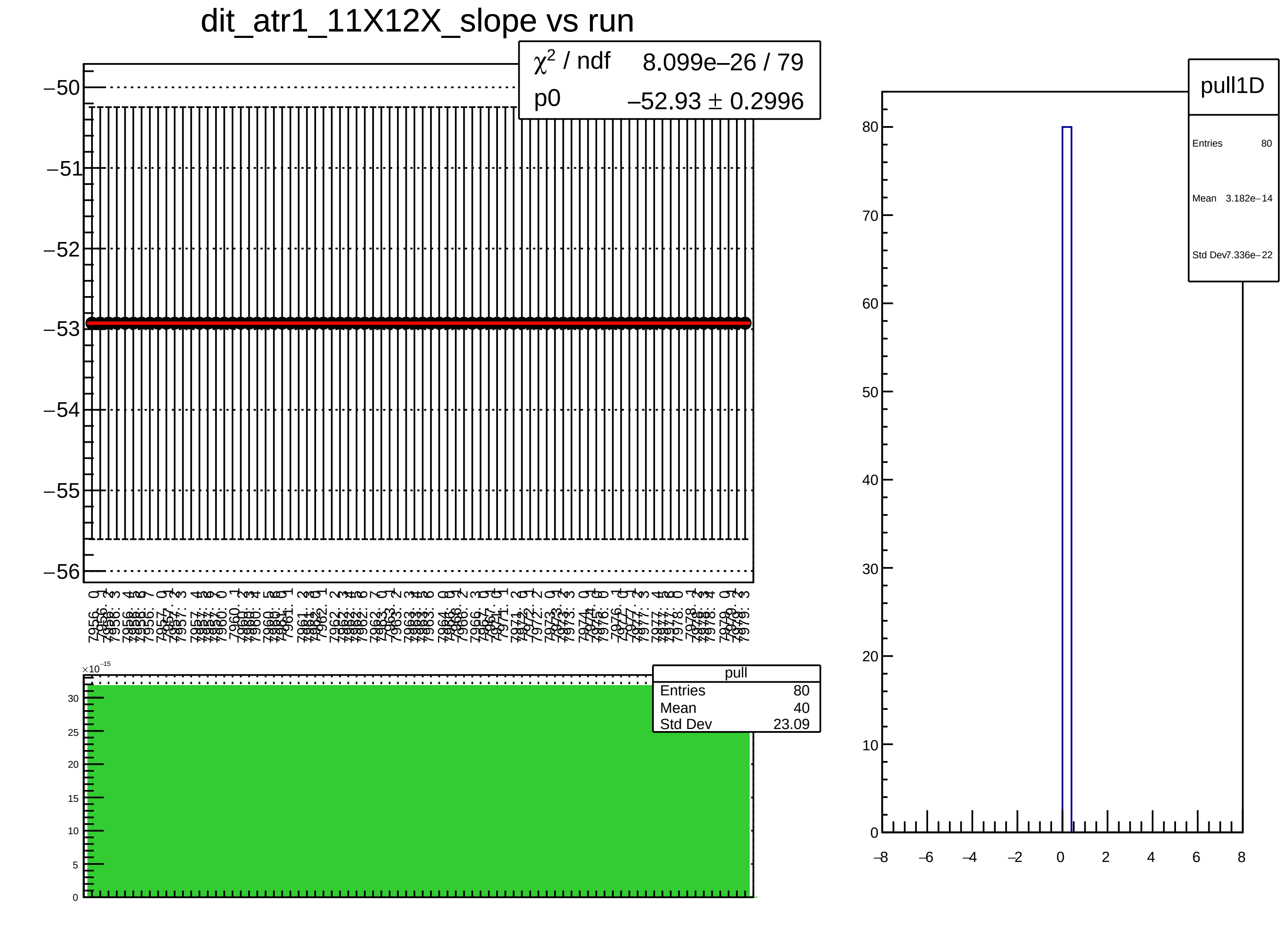
dit_atl2_4aY_slope vs run
χ^2 / ndf 1.827e−27 / 79
p0 −24.15 ± 0.7481
pull
Entries 80
Mean 40
Std Dev 23.09
×10⁻¹⁵
pull1D
Entries 80
Mean 4.778e−15
Std Dev 1.059e−22

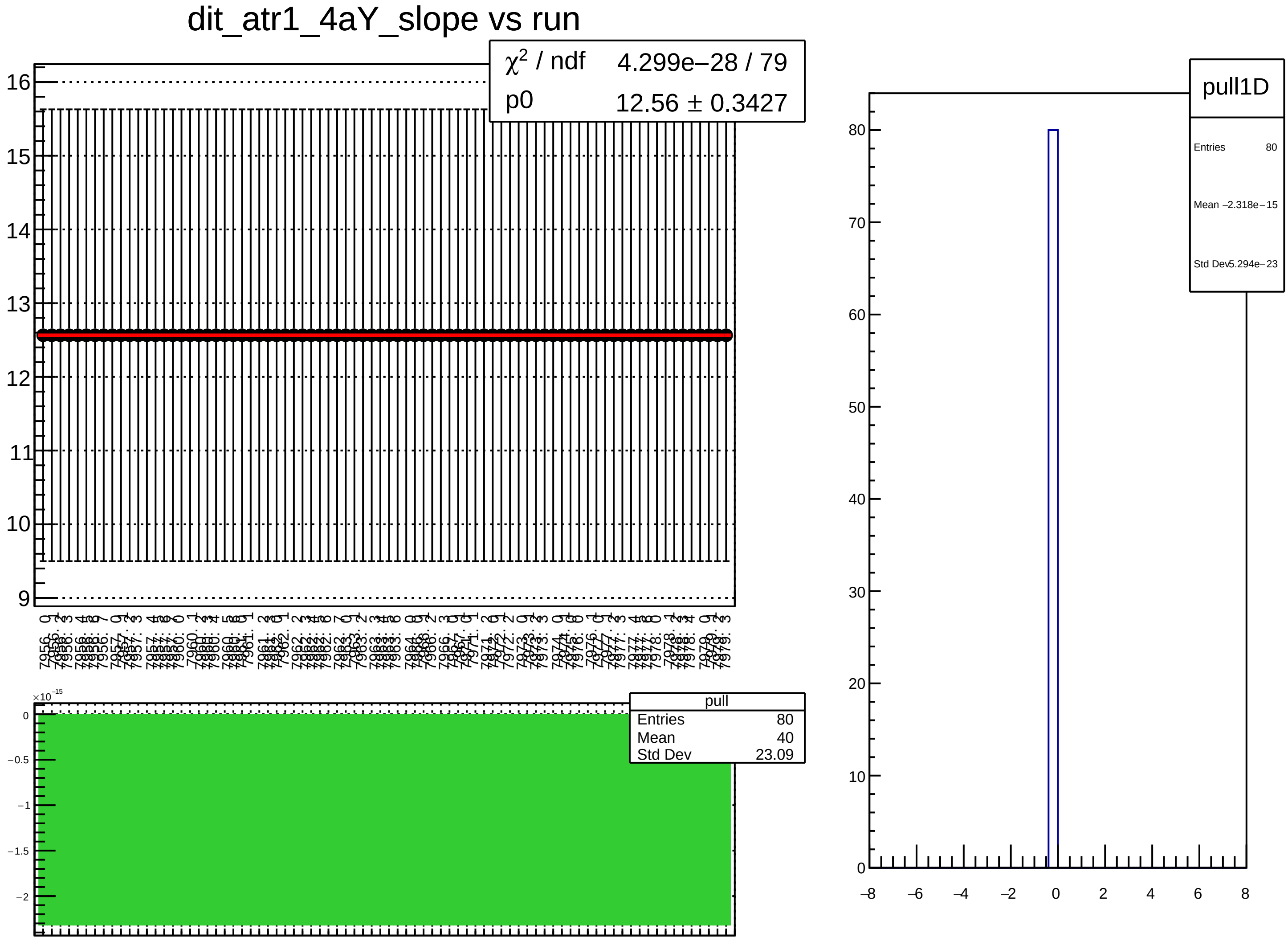

dit_atl2_4eY_slope vs run
χ2 / ndf 6.833e−27 / 79
p0 146.6 ± 0.6876
152
150
148
146
144
142
140
×10−15
0
−2
−4
−6
−8
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −9.242e−15
Std Dev3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8



dit_atr1_4aX_slope vs run
χ^2 / ndf 3.859e−27 / 79
p0 −139.9 ± 0.9151
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −6.945e−15
Std Dev 7.487e−23

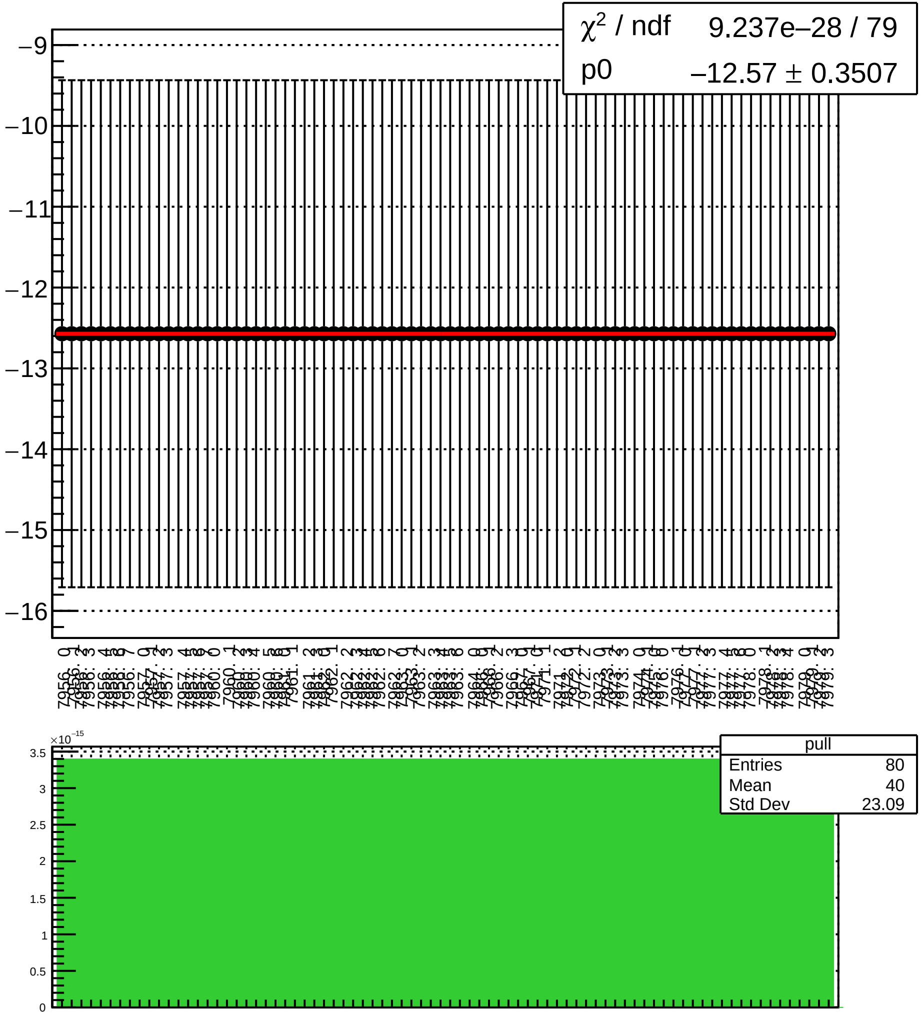

dit_atr1_4eX_slope vs run
χ2 / ndf 2.615e−26 / 79
p0 68.44 ± 0.7031
74
72
70
68
66
64
62
×10−15
18
16
14
12
10
8
6
4
2
0
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.808e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

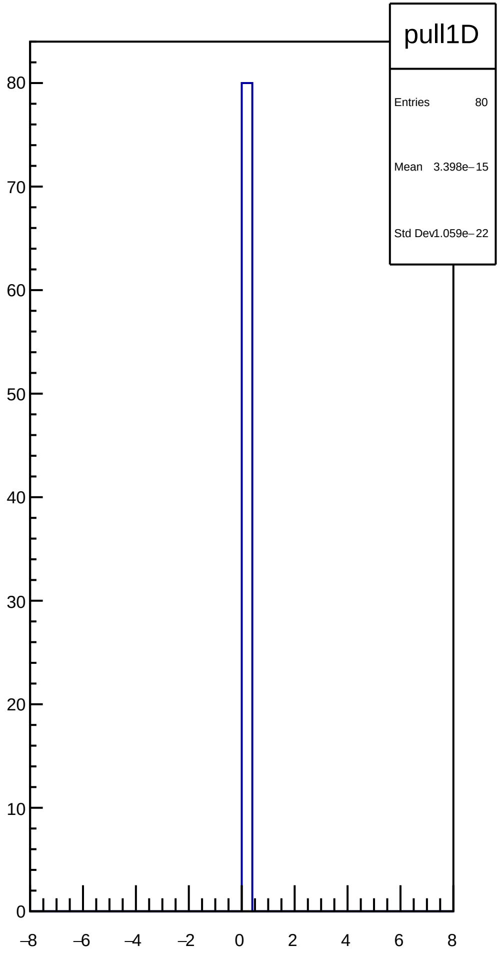

dit_atr1_11X12X_slope vs run
χ2 / ndf 8.099e−26 / 79
p0 −52.93 ± 0.2996
−50
−51
−52
−53
−54
−55
−56
×10−15
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.182e−14
Std Dev 7.336e−22

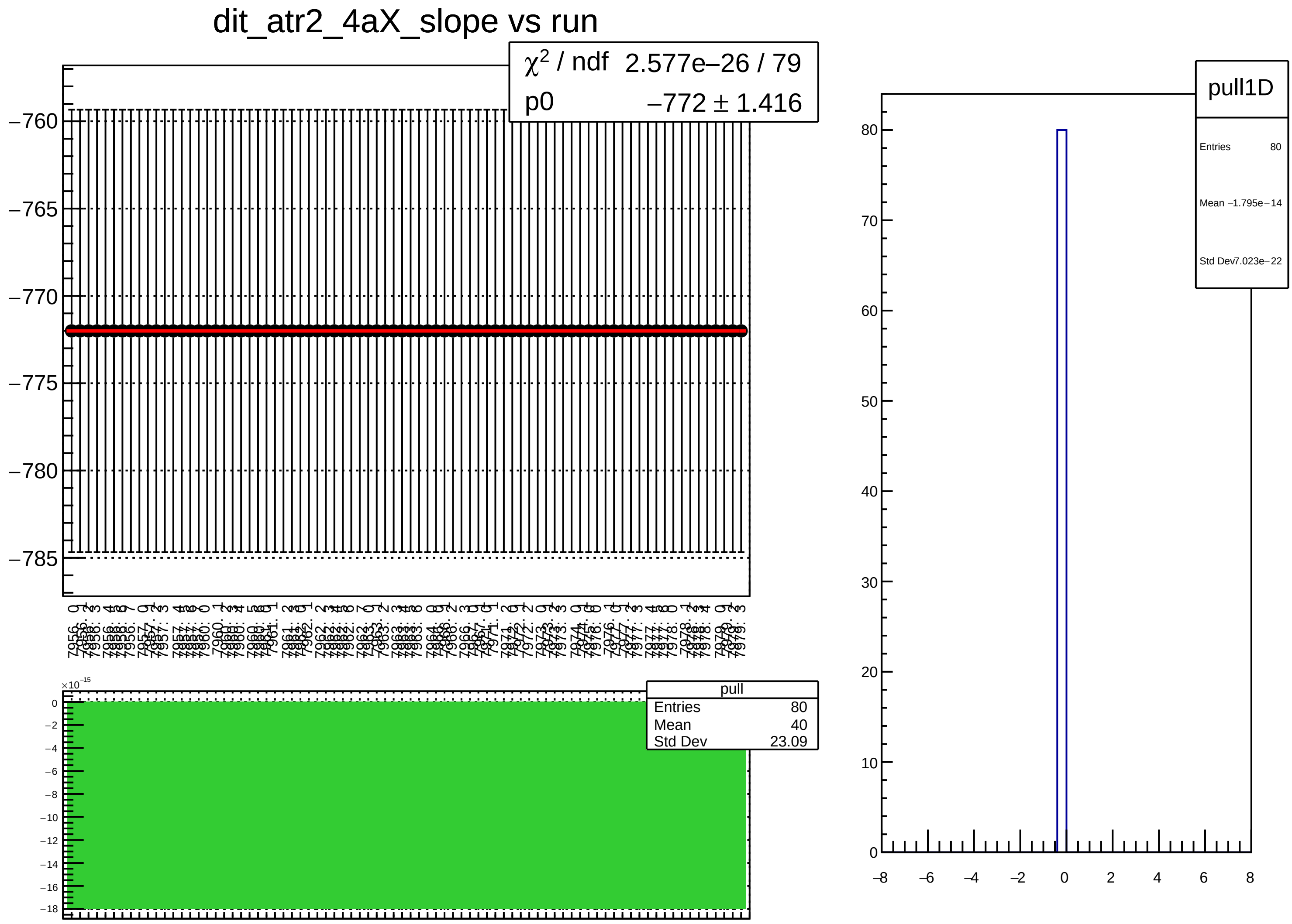


dit_atr1_4aY_slope vs run
χ^2 / ndf 4.299e−28 / 79
p0 12.56 ± 0.3427
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.318e−15
Std Dev 5.294e−23

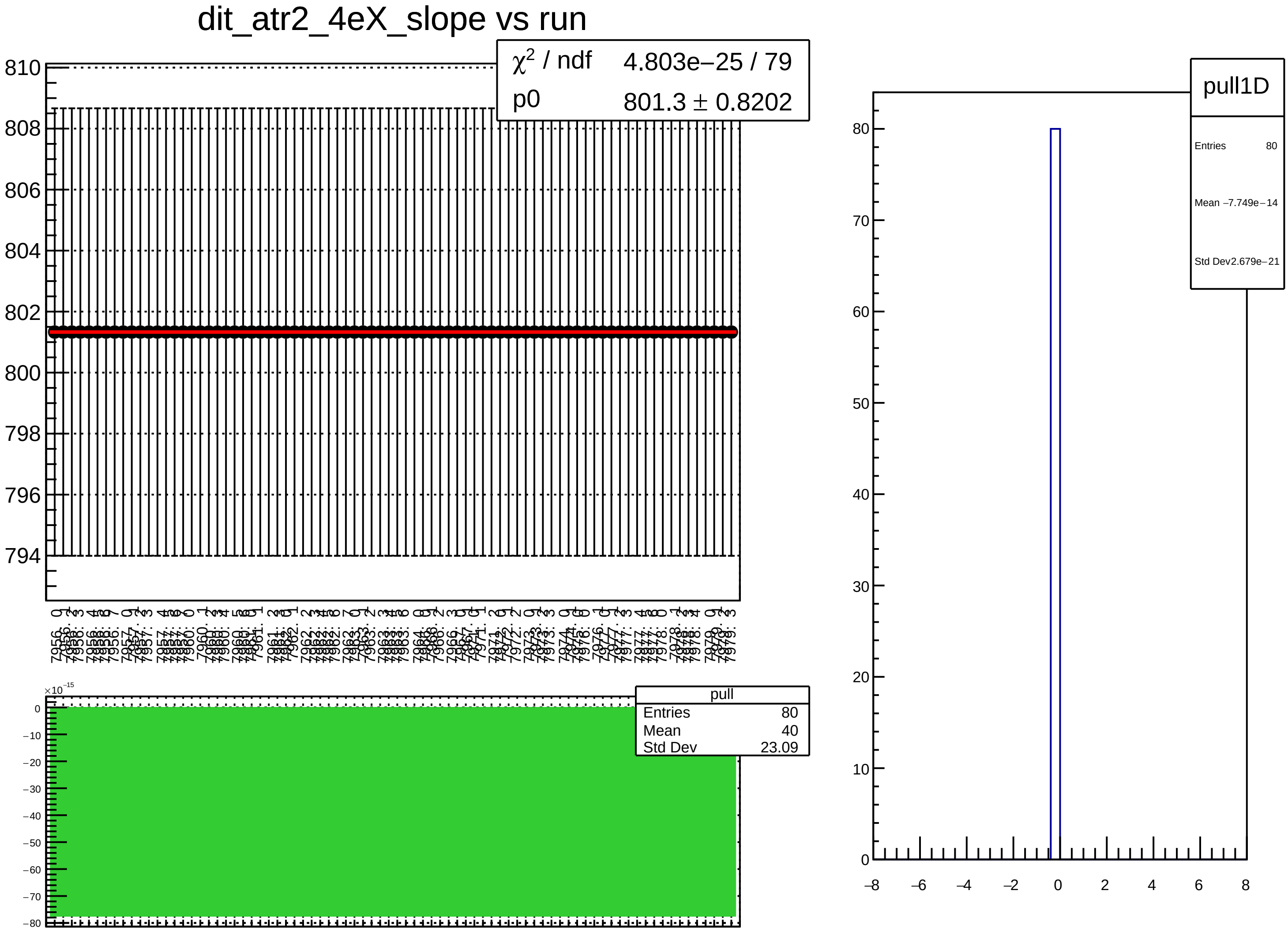
dit_atr1_4eY_slope vs run



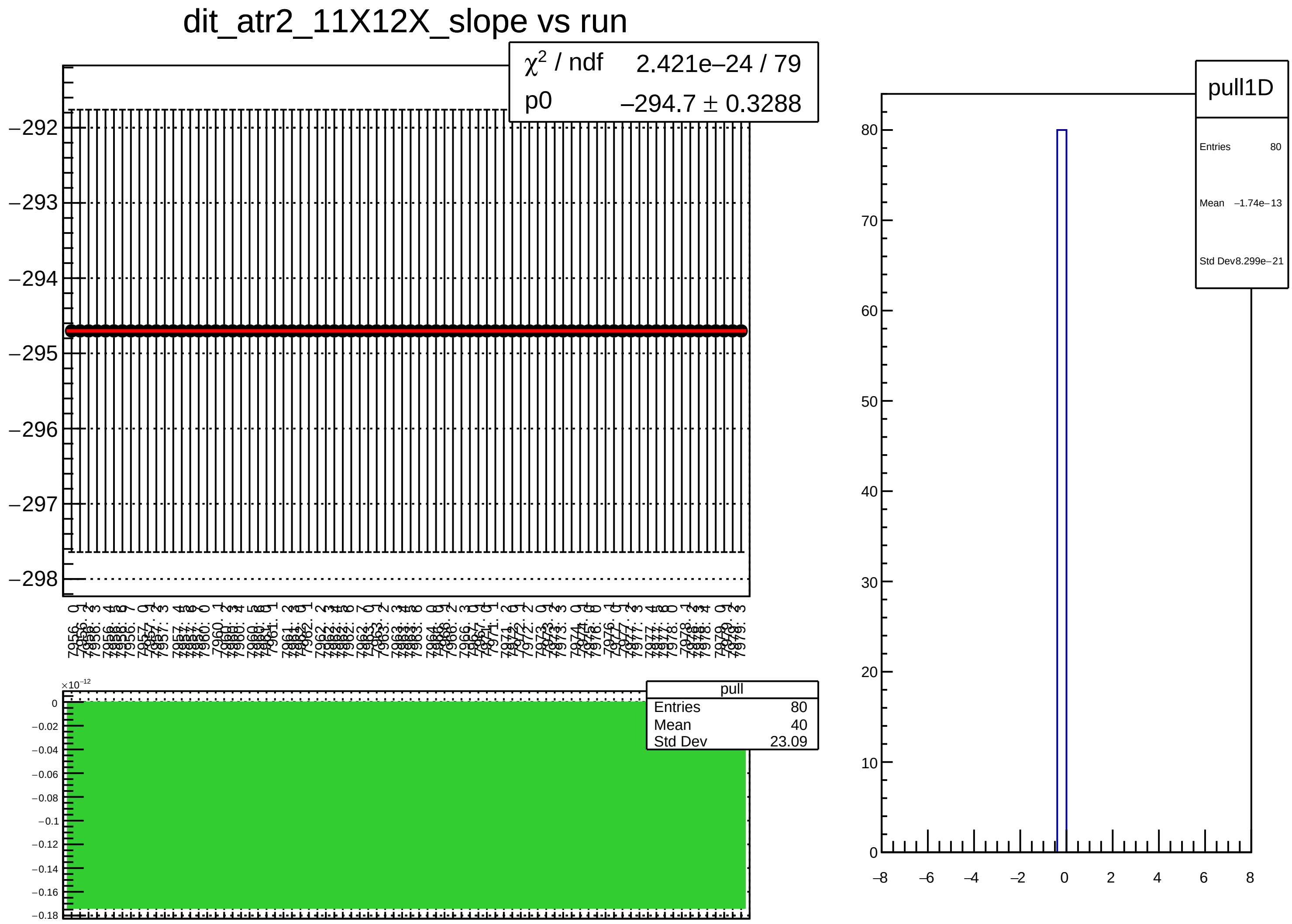




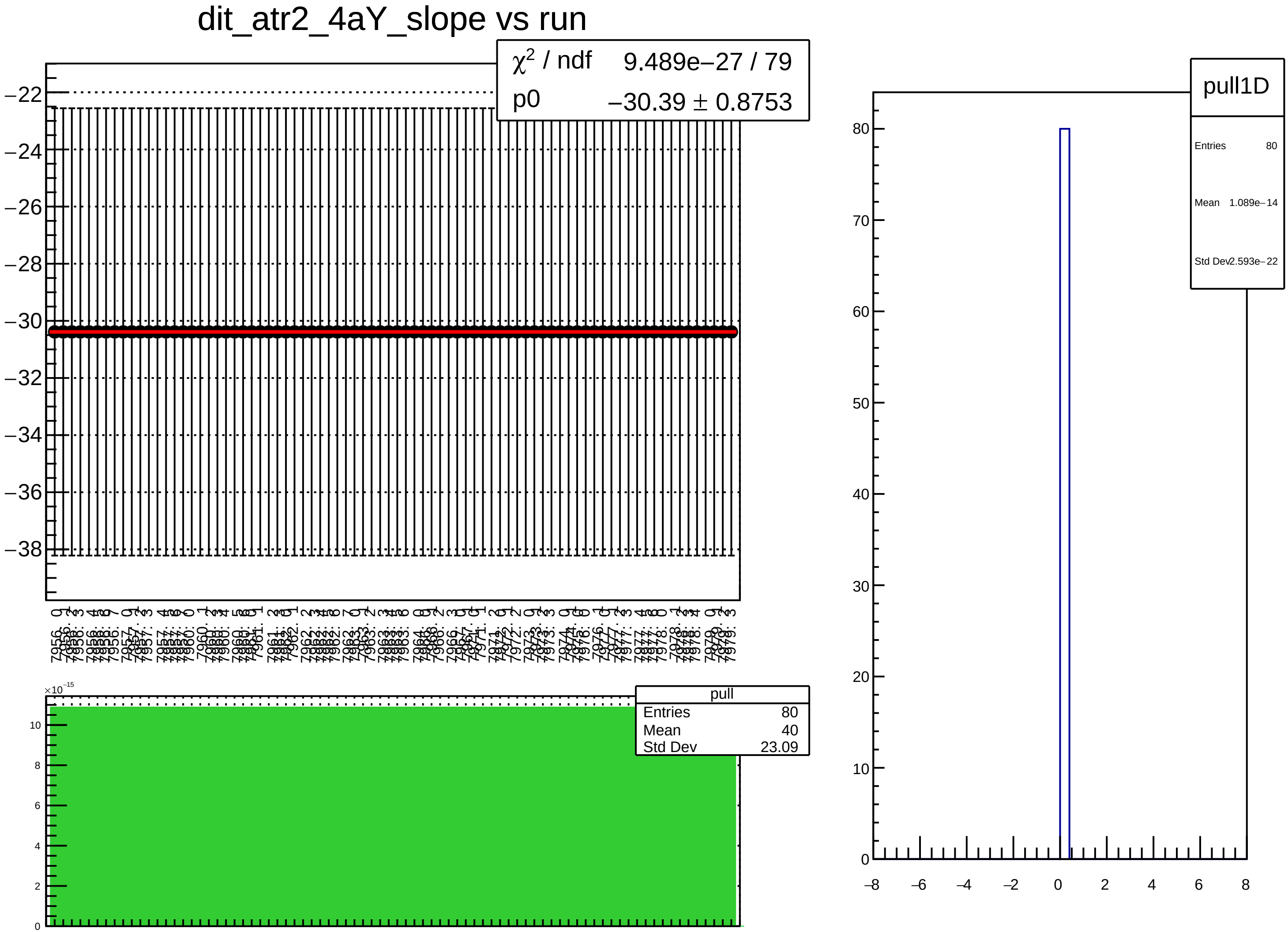
dit_atr2_4aX_slope vs run
χ2 / ndf 2.577e−26 / 79
p0 −772 ± 1.416
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.795e−14
Std Dev7.023e−22



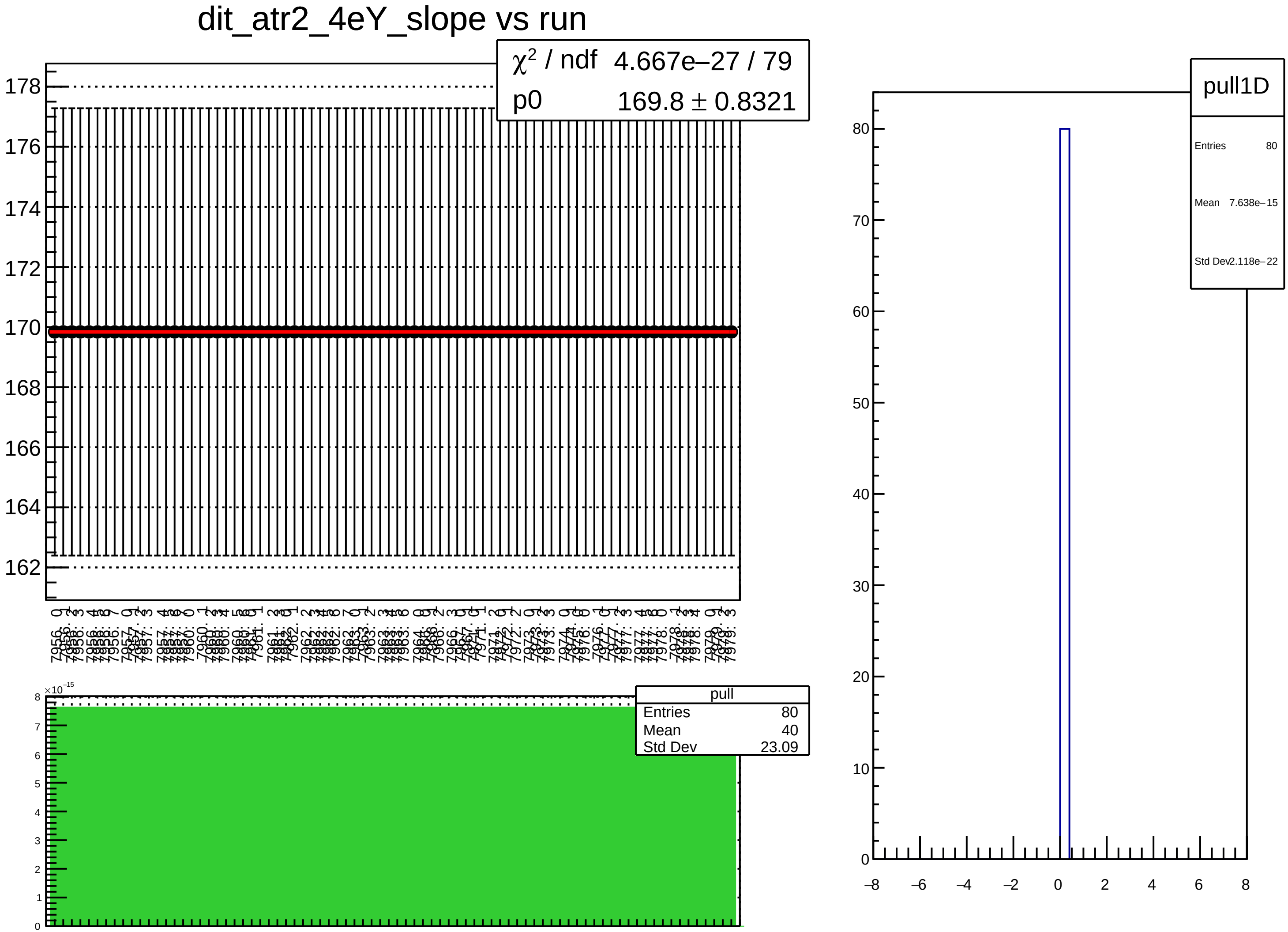
dit_atr2_4eX_slope vs run
χ2 / ndf 4.803e−25 / 79
p0 801.3 ± 0.8202
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.749e−14
Std Dev 2.679e−21



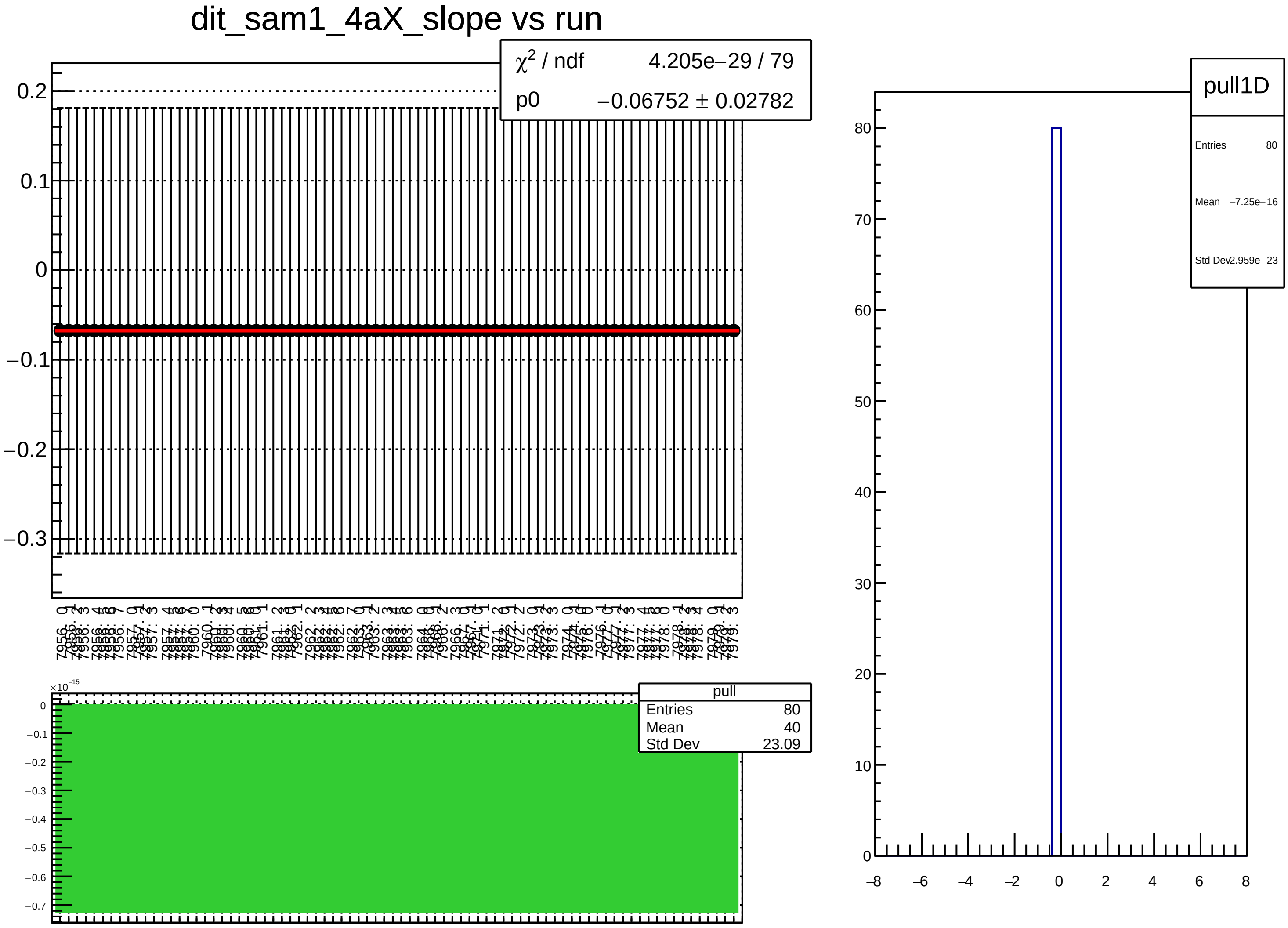
dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.421e−24 / 79
p0 −294.7 ± 0.3288
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.74e−13
Std Dev 8.299e−21

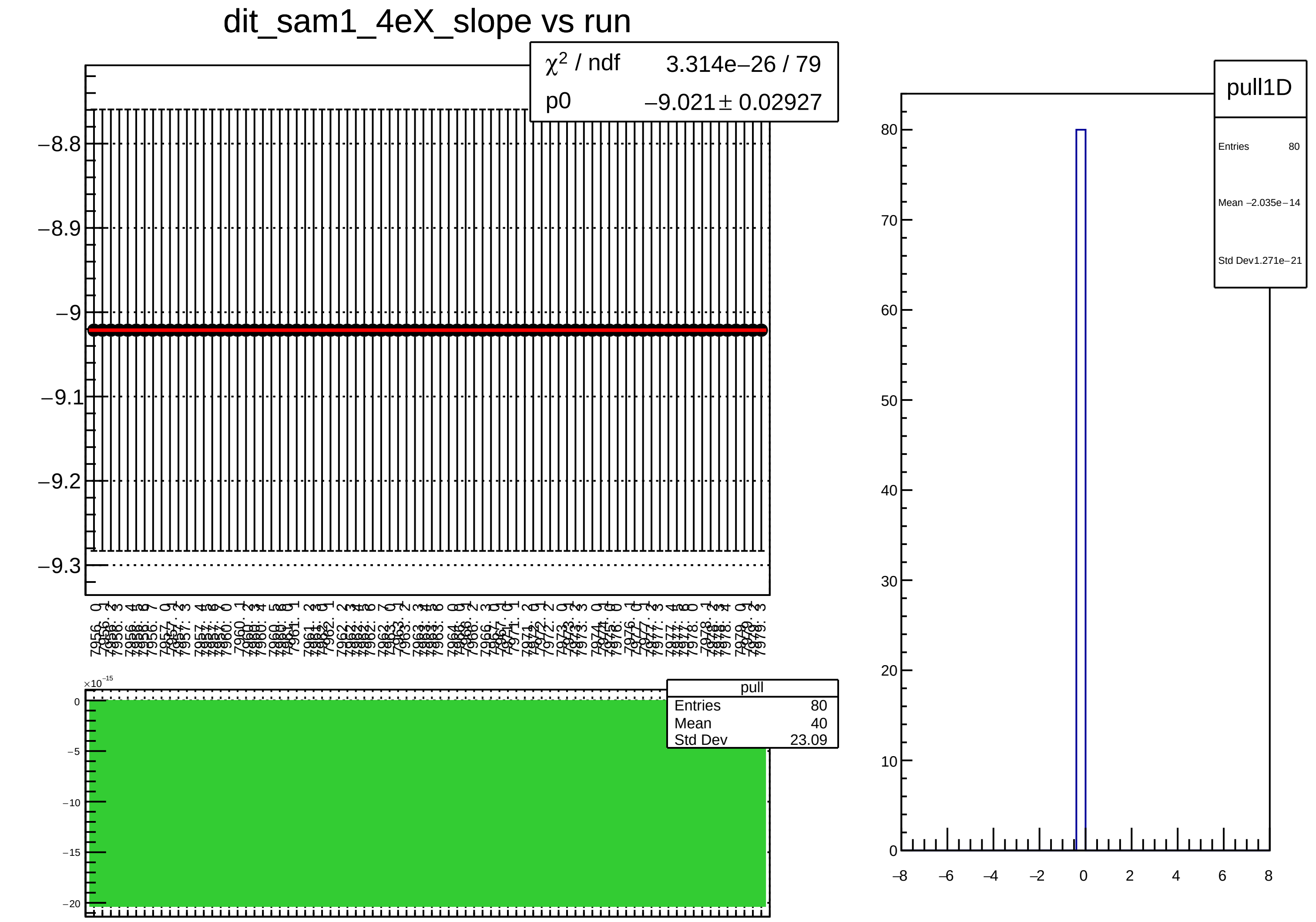


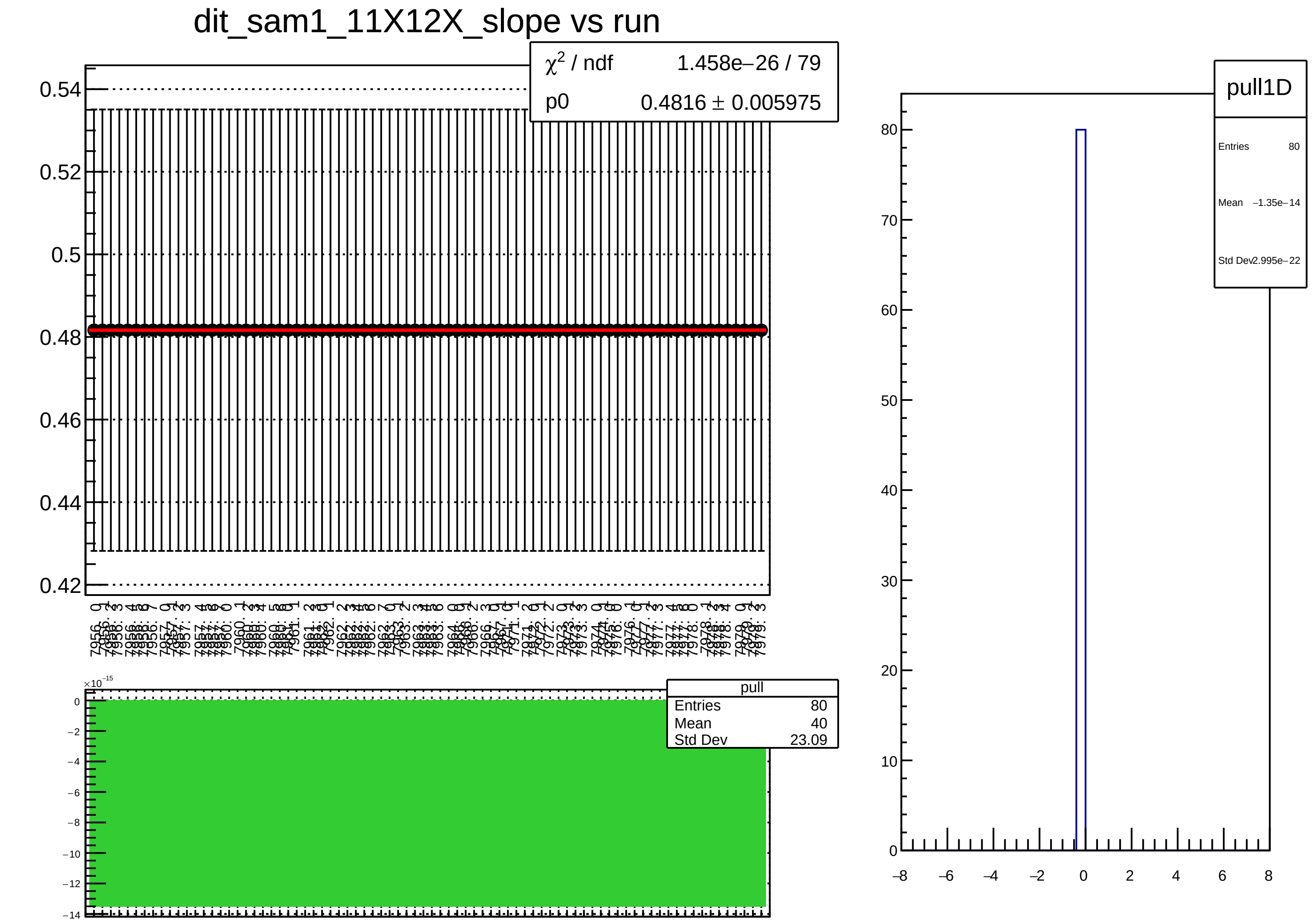
dit_atr2_4aY_slope vs run
χ^2 / ndf 9.489e−27 / 79
p0 −30.39 ± 0.8753
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.089e−14
Std Dev2.593e−22

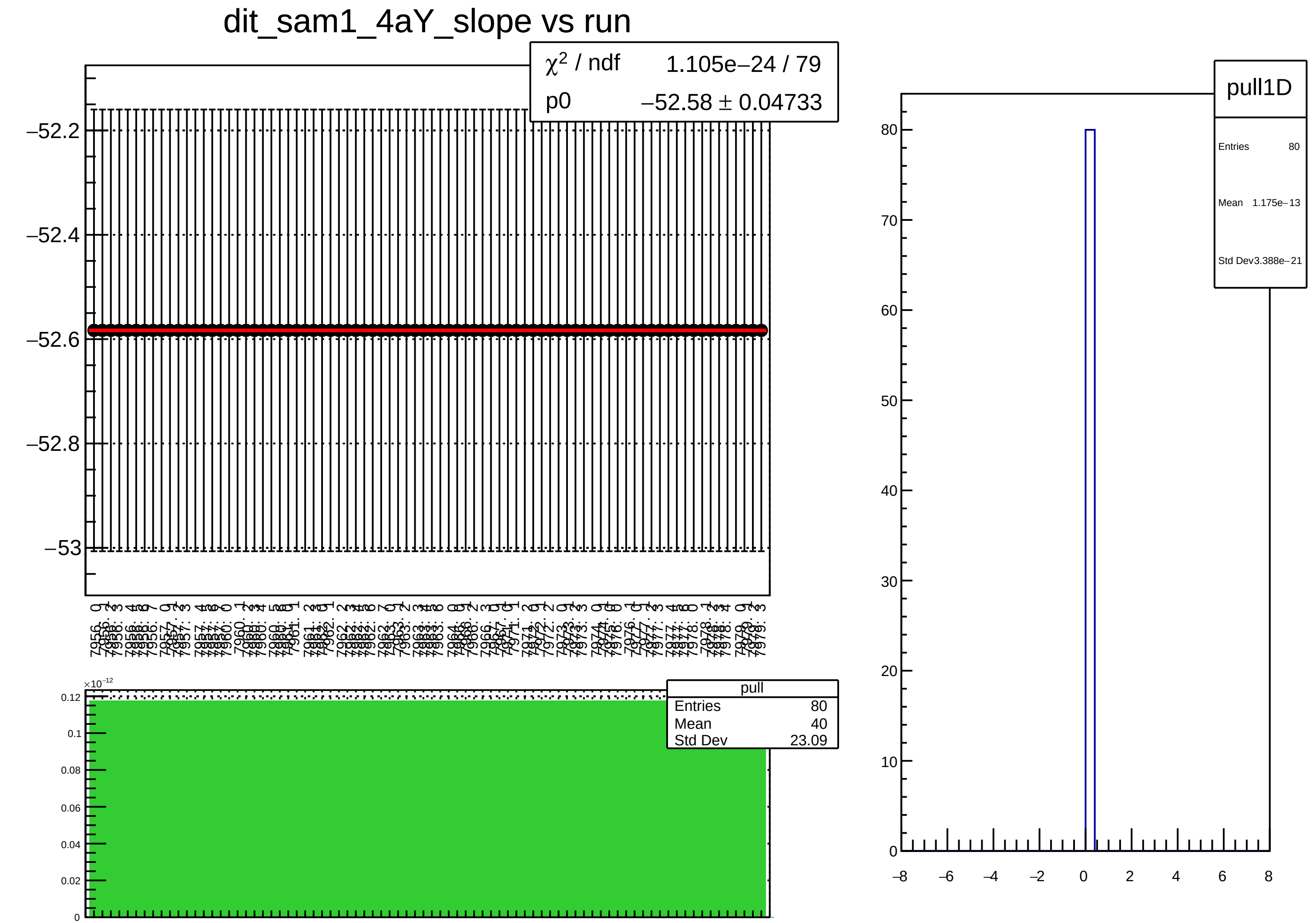


dit_atr2_4eY_slope vs run
χ^2 / ndf 4.667e−27 / 79
p0 169.8 ± 0.8321
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 7.638e−15
Std Dev 2.118e−22

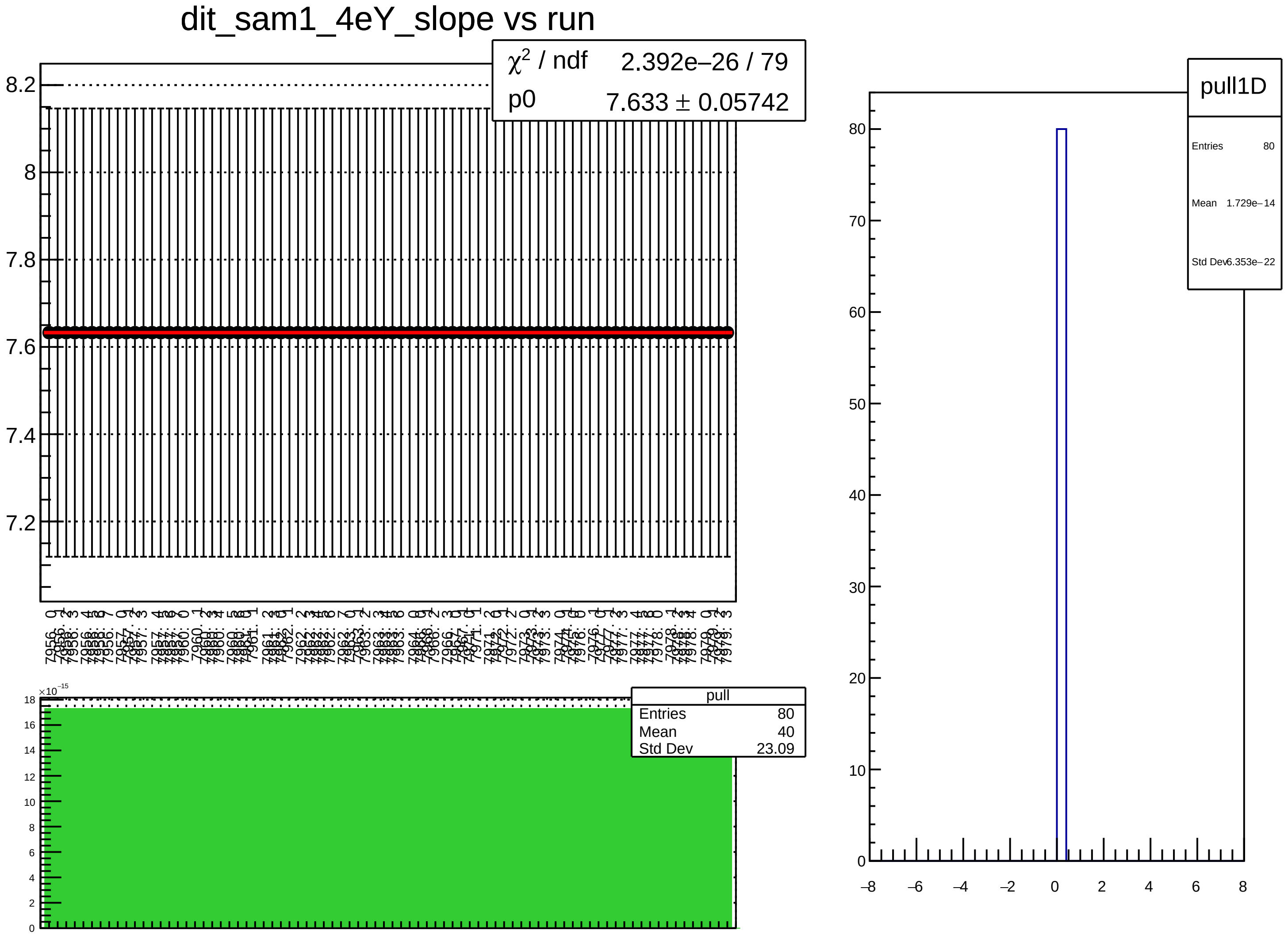

dit_sam1_4aX_slope vs run
χ2 / ndf 4.205e−29 / 79
p0 −0.06752 ± 0.02782
0.2
0.1
0
−0.1
−0.2
−0.3
×10−15
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.25e−16
Std Dev 2.959e−23


dit_sam1_4eX_slope vs run
χ2 / ndf 3.314e−26 / 79
p0 −9.021 ± 0.02927
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.035e−14
Std Dev1.271e−21

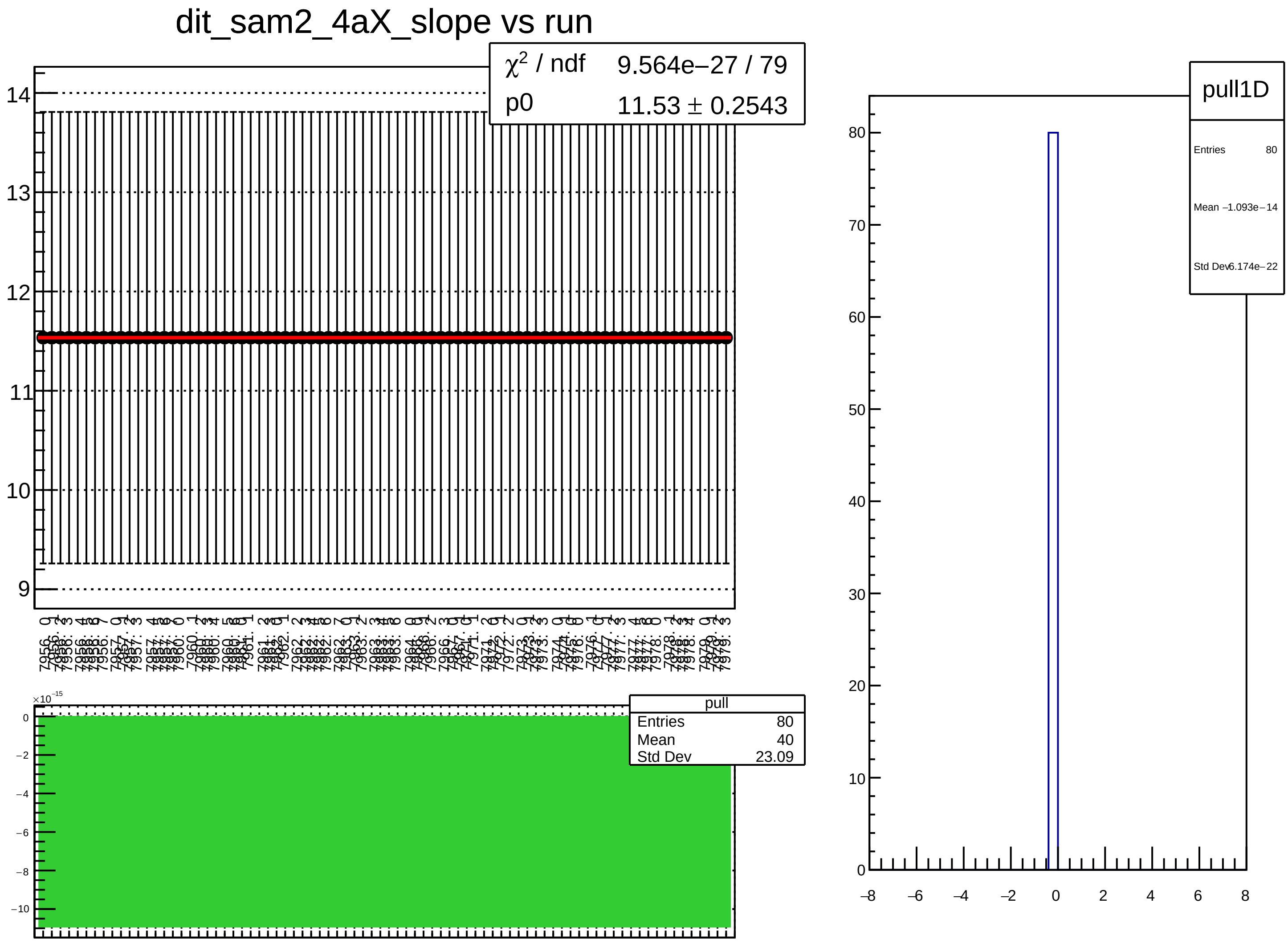

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.458e−26 / 79
p0 0.4816 ± 0.005975
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.35e−14
Std Dev 2.995e−22



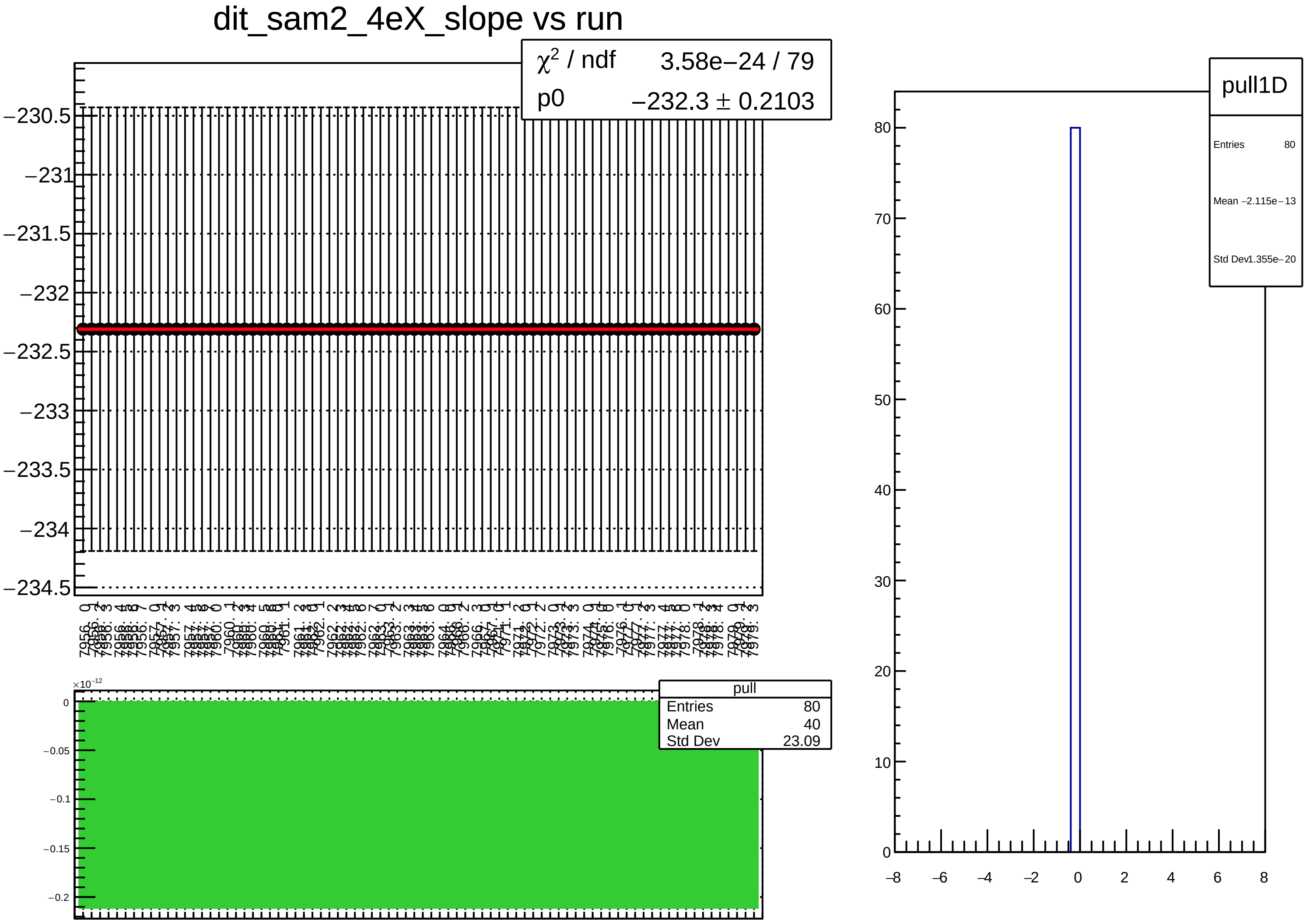
dit_sam1_4aY_slope vs run
χ^2 / ndf 1.105e−24 / 79
p0 −52.58 ± 0.04733
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.175e−13
Std Dev 3.388e−21



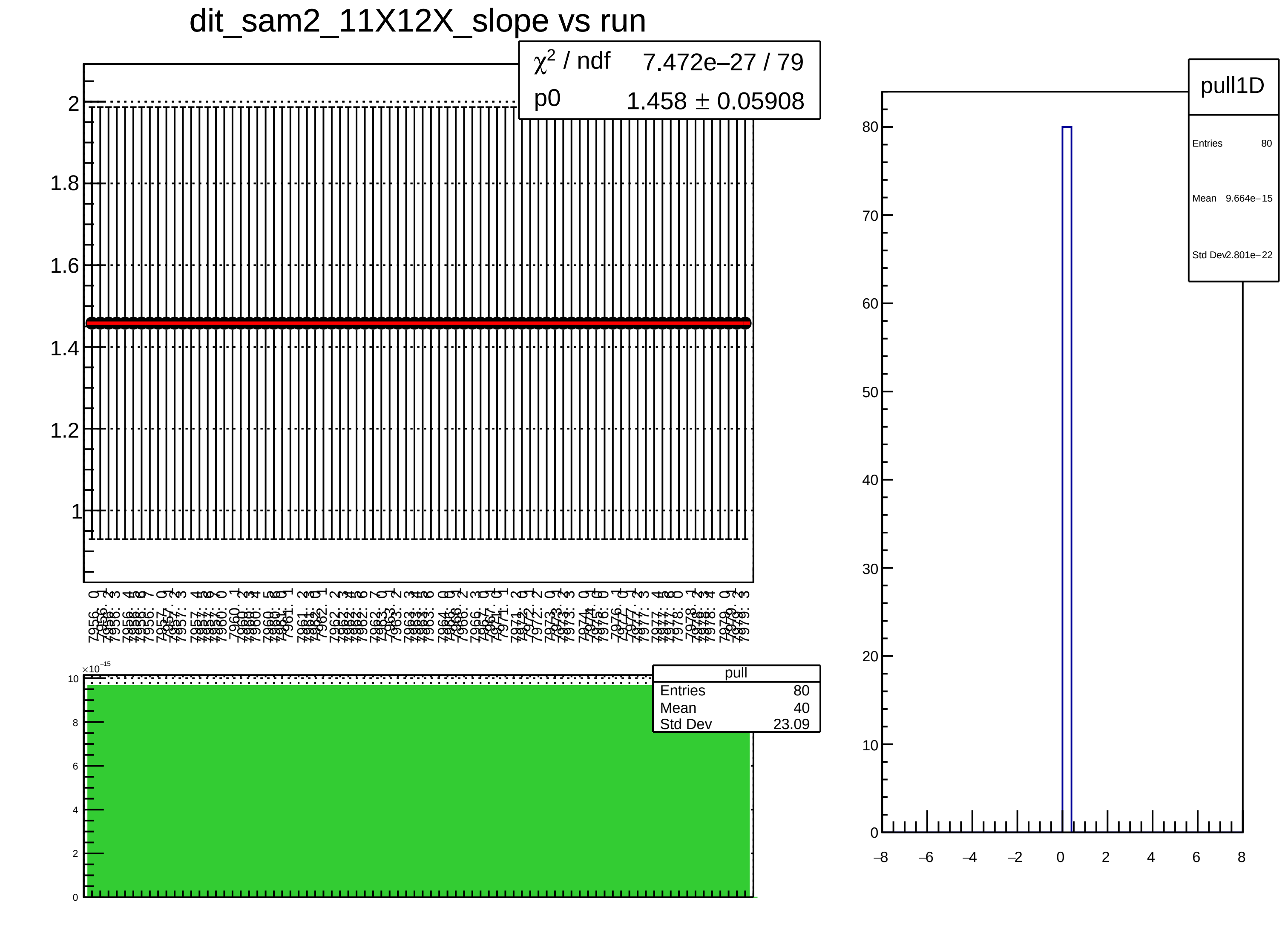
dit_sam1_4eY_slope vs run
χ^2 / ndf 2.392e−26 / 79
p0 7.633 ± 0.05742
8.2
8
7.8
7.6
7.4
7.2
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.729e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8 −6 −4 −2 0 2 4 6 8



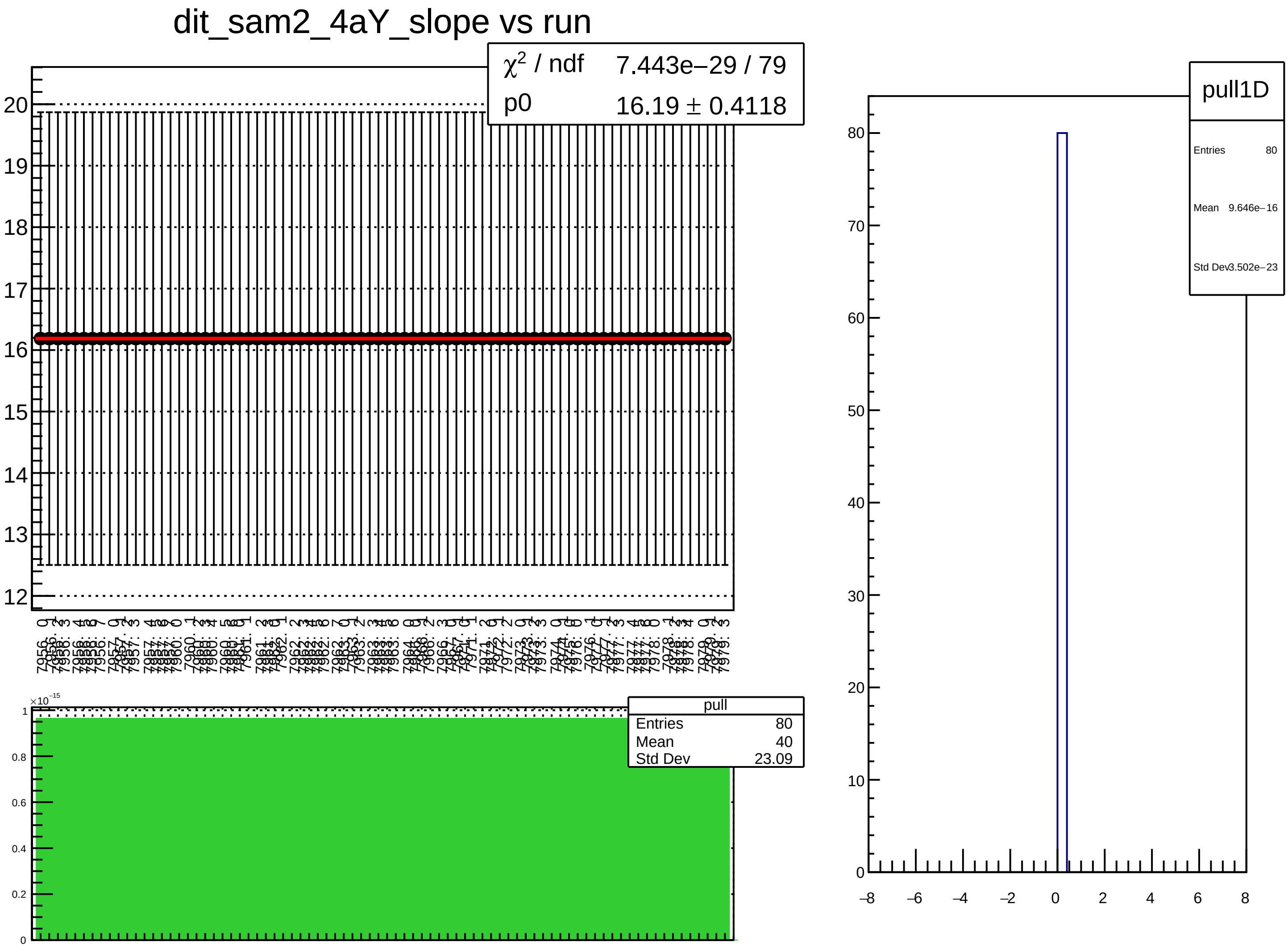
dit_sam2_4aX_slope vs run
χ2 / ndf 9.564e−27 / 79
p0 11.53 ± 0.2543
14
13
12
11
10
9
×10−15
0
−2
−4
−6
−8
−10
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.093e−14
Std Dev 6.174e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

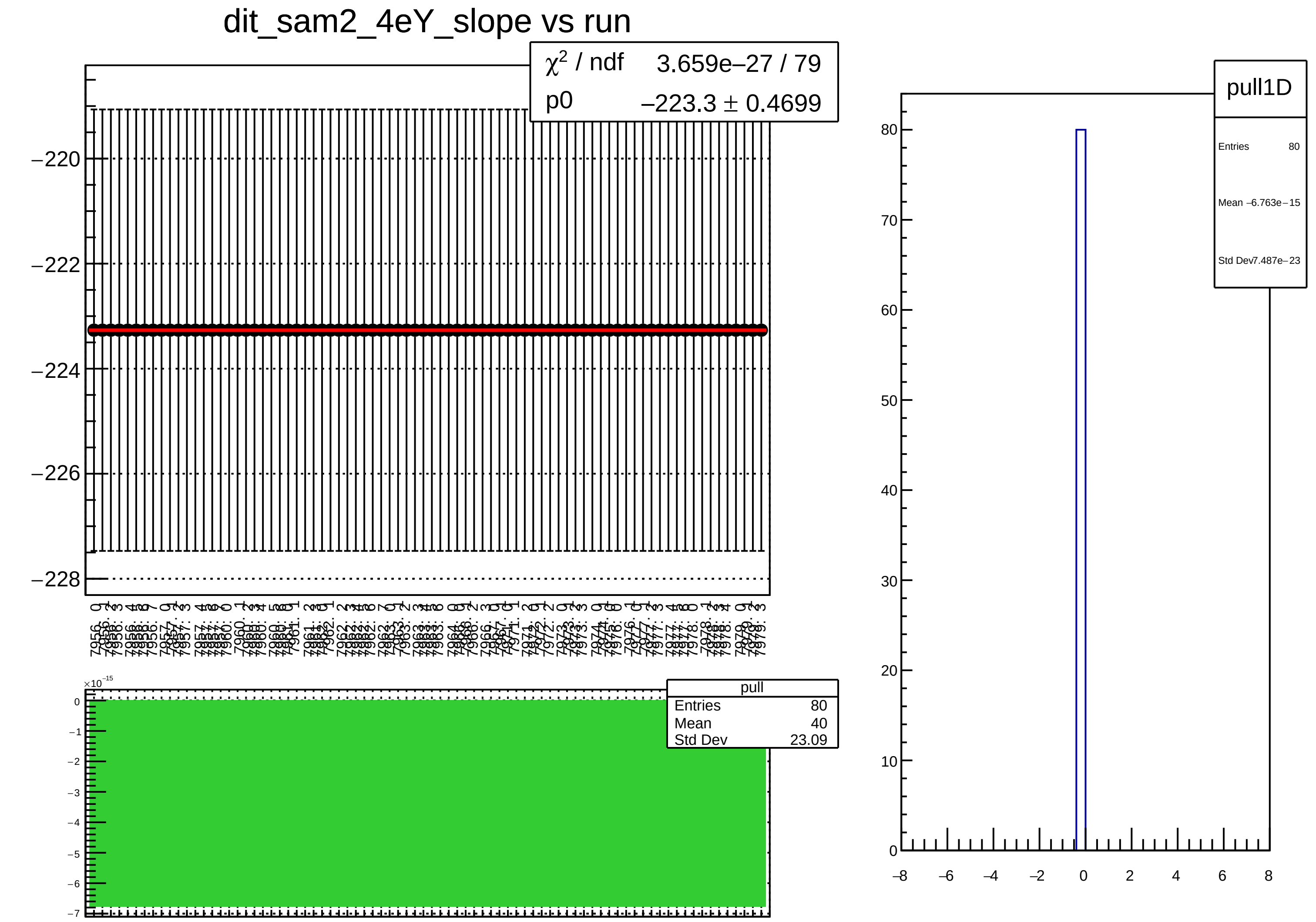


dit_sam2_4eX_slope vs run
χ^2 / ndf 3.58e−24 / 79
p0 −232.3 ± 0.2103
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.115e−13
Std Dev1.355e−20



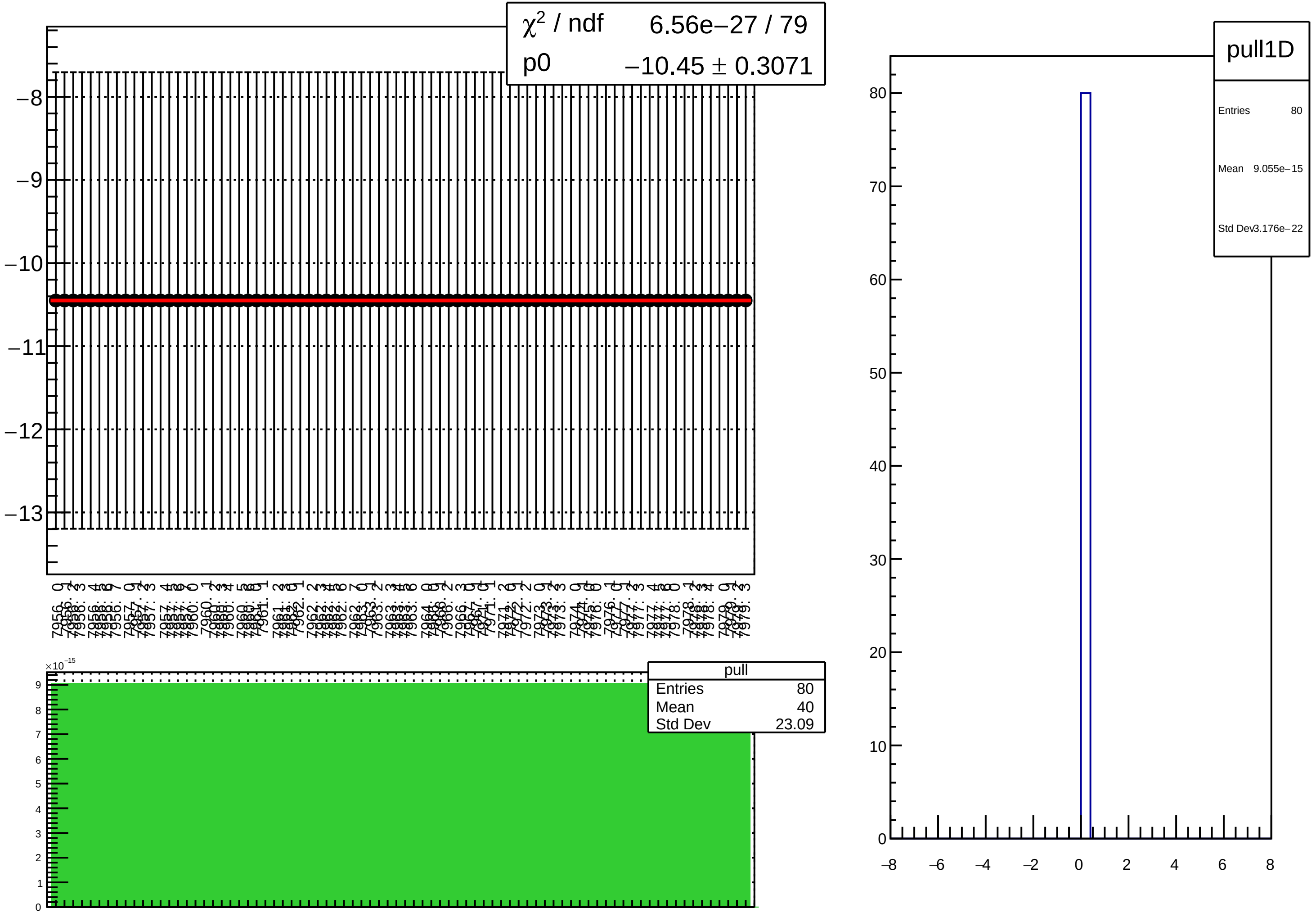
dit_sam2_11X12X_slope vs run
χ^2 / ndf 7.472e−27 / 79
p0 1.458 ± 0.05908
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.664e−15
Std Dev 2.801e−22

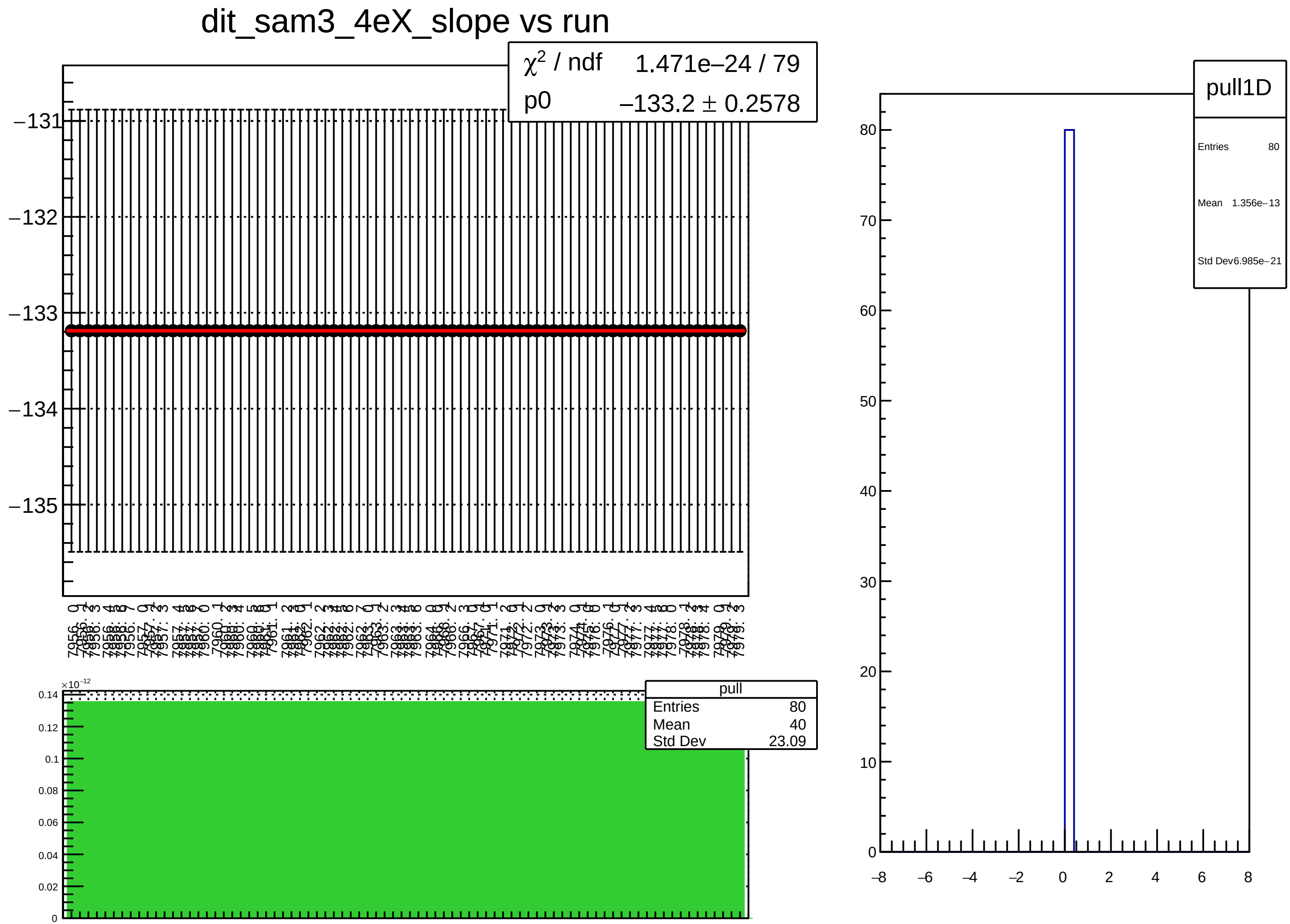

dit_sam2_4aY_slope vs run
χ2 / ndf 7.443e−29 / 79
p0 16.19 ± 0.4118
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.646e−16
Std Dev 3.502e−23



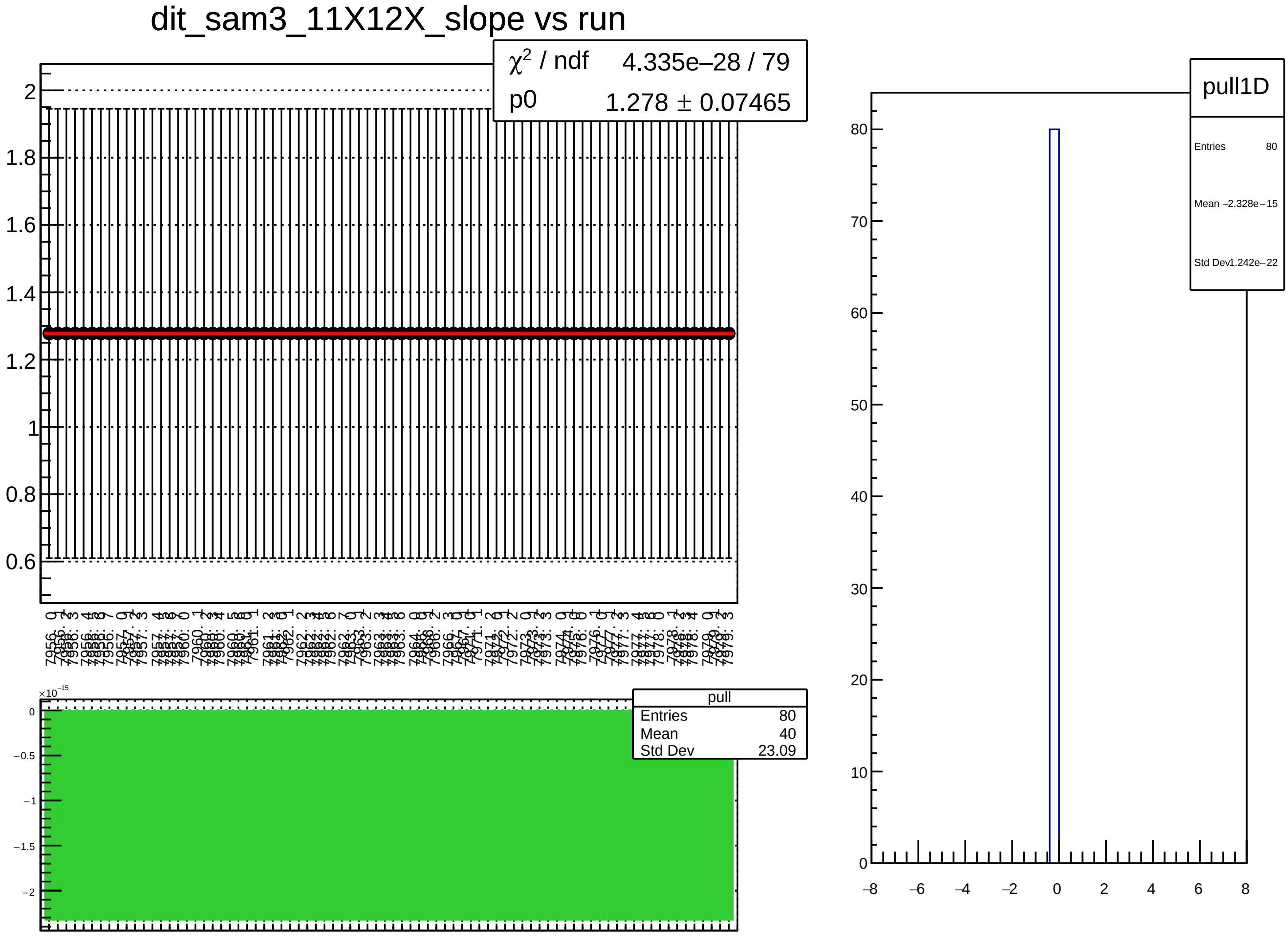
dit_sam2_4eY_slope vs run
χ^2 / ndf 3.659e−27 / 79
p0 −223.3 ± 0.4699
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −6.763e−15
Std Dev 7.487e−23

dit_sam3_4aX_slope vs run

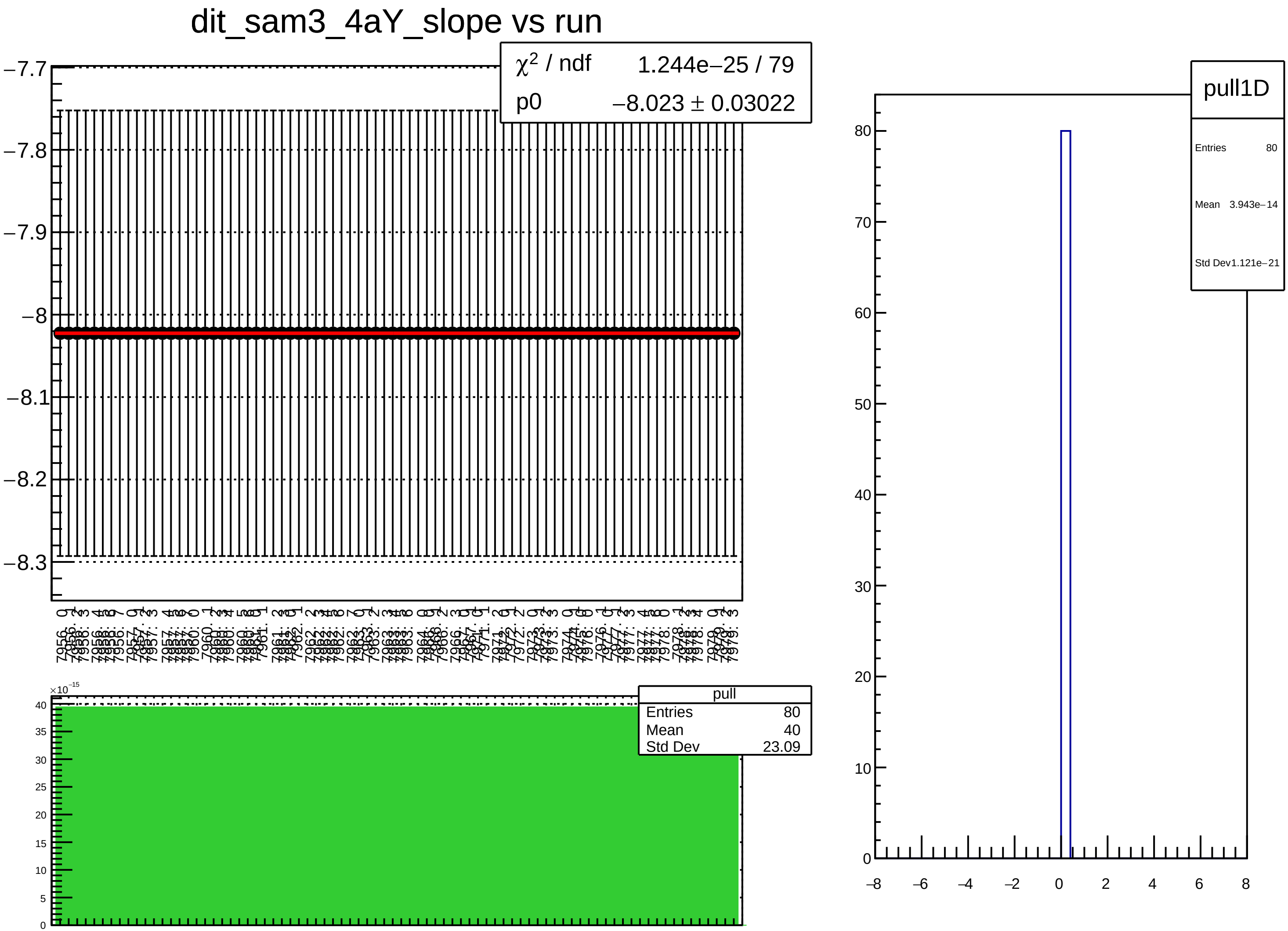




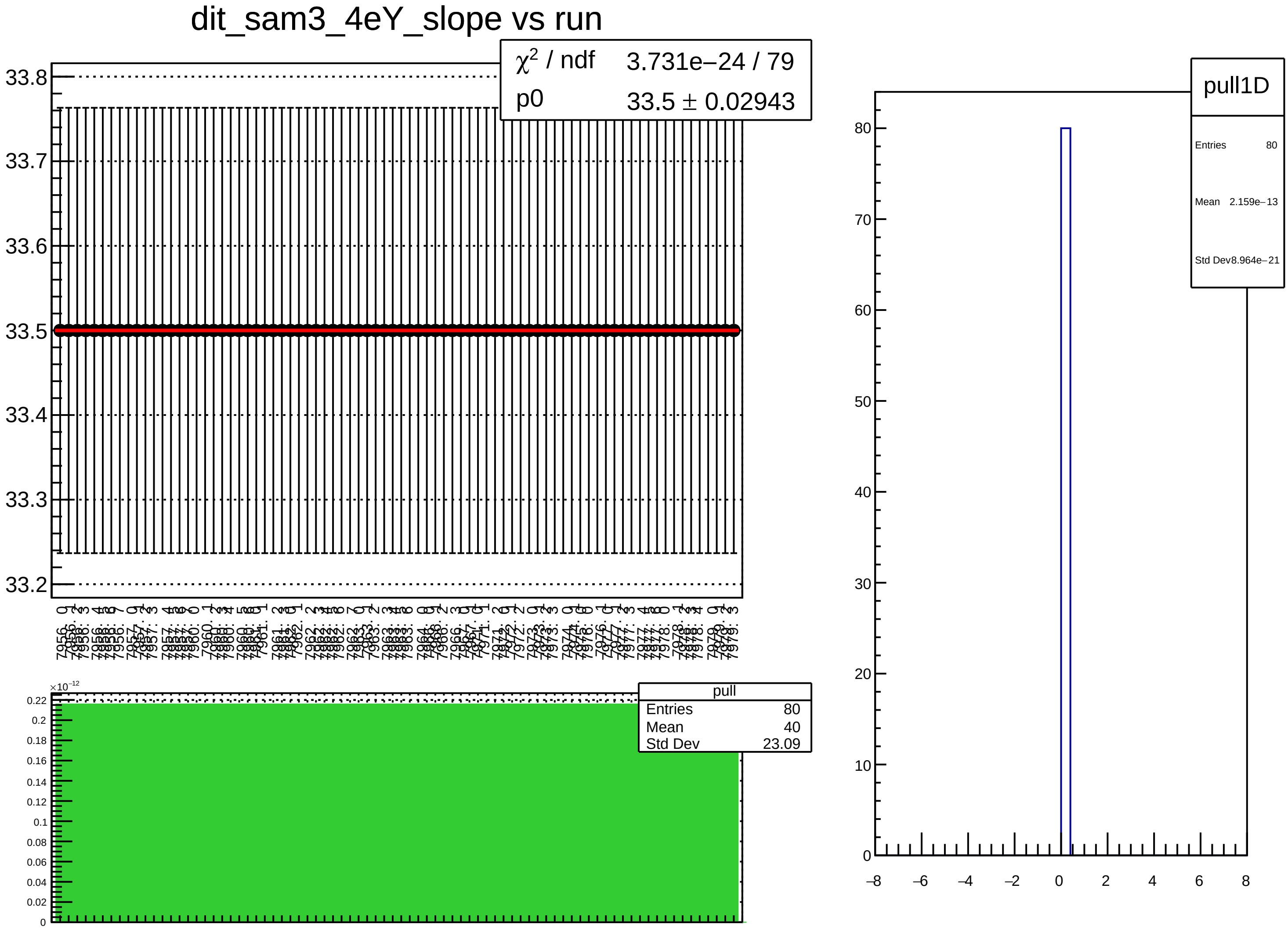
dit_sam3_4eX_slope vs run
χ^2 / ndf 1.471e−24 / 79
p0 −133.2 ± 0.2578
−131
−132
−133
−134
−135
×10⁻¹²
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.356e−13
Std Dev 6.985e−21

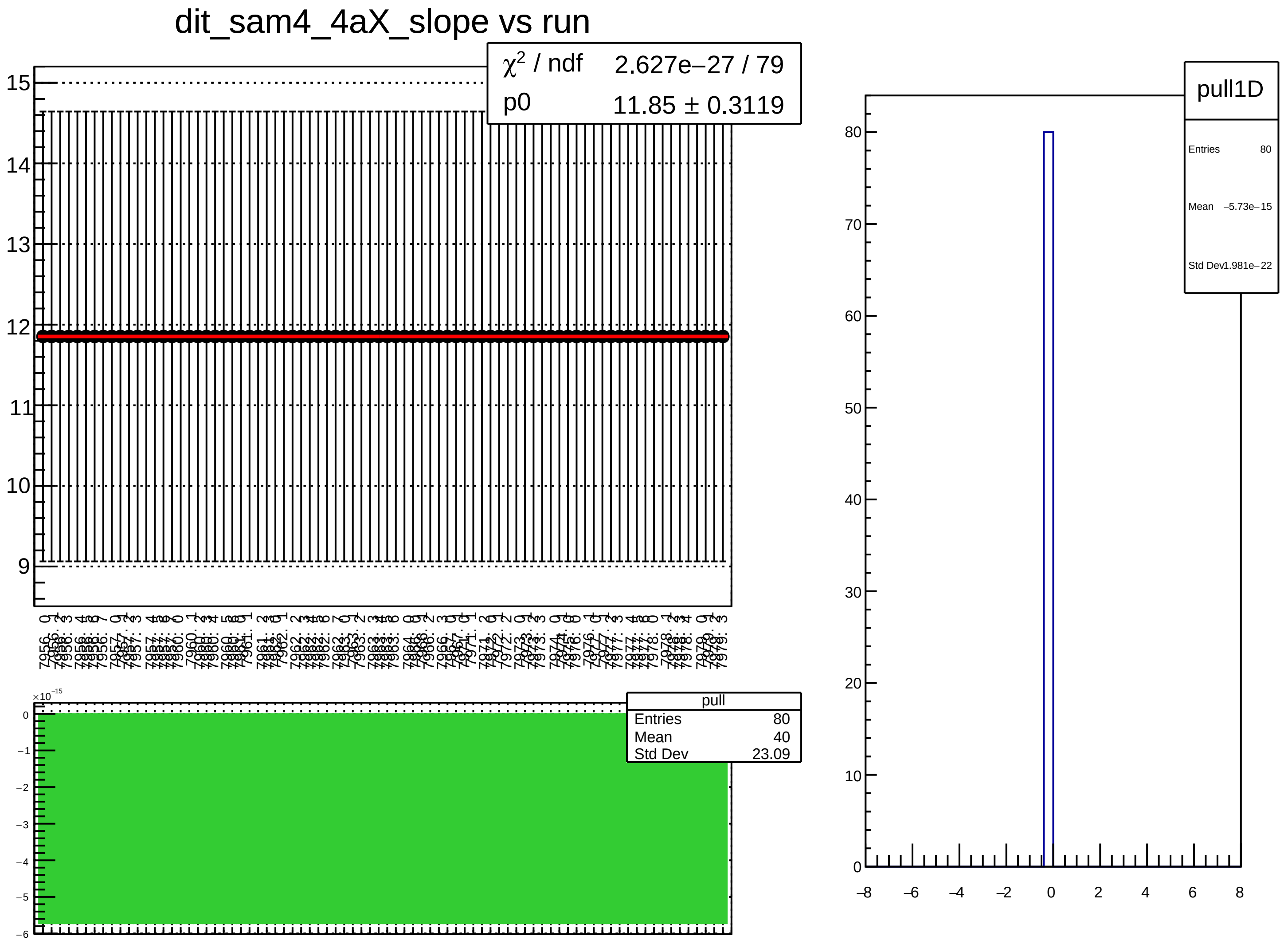


dit_sam3_11X12X_slope vs run
χ^2 / ndf 4.335e−28 / 79
p0 1.278 ± 0.07465
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.328e−15
Std Dev 1.242e−22

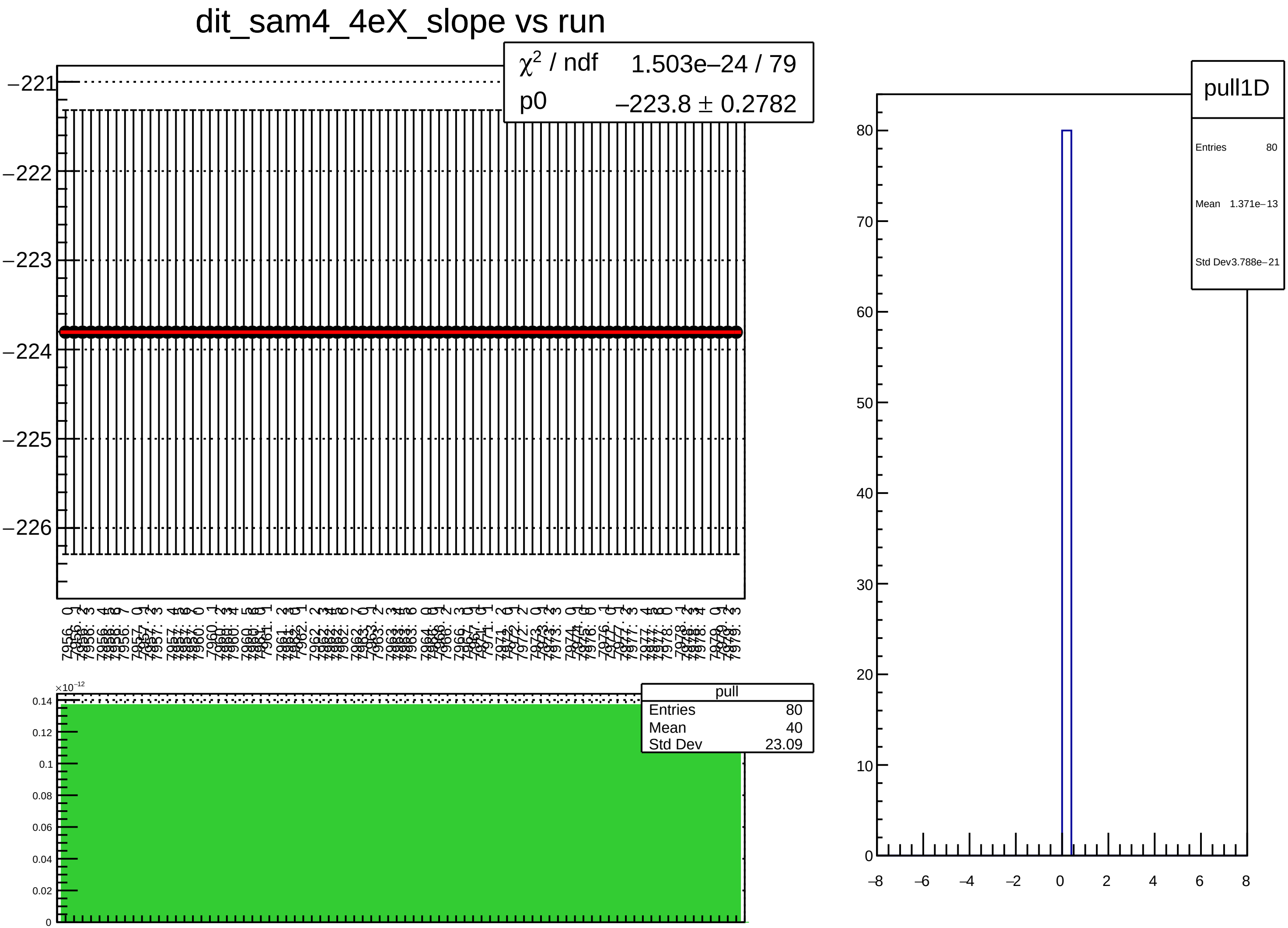


dit_sam3_4aY_slope vs run
χ^2 / ndf 1.244e−25 / 79
p0 −8.023 ± 0.03022
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.943e−14
Std Dev 1.121e−21

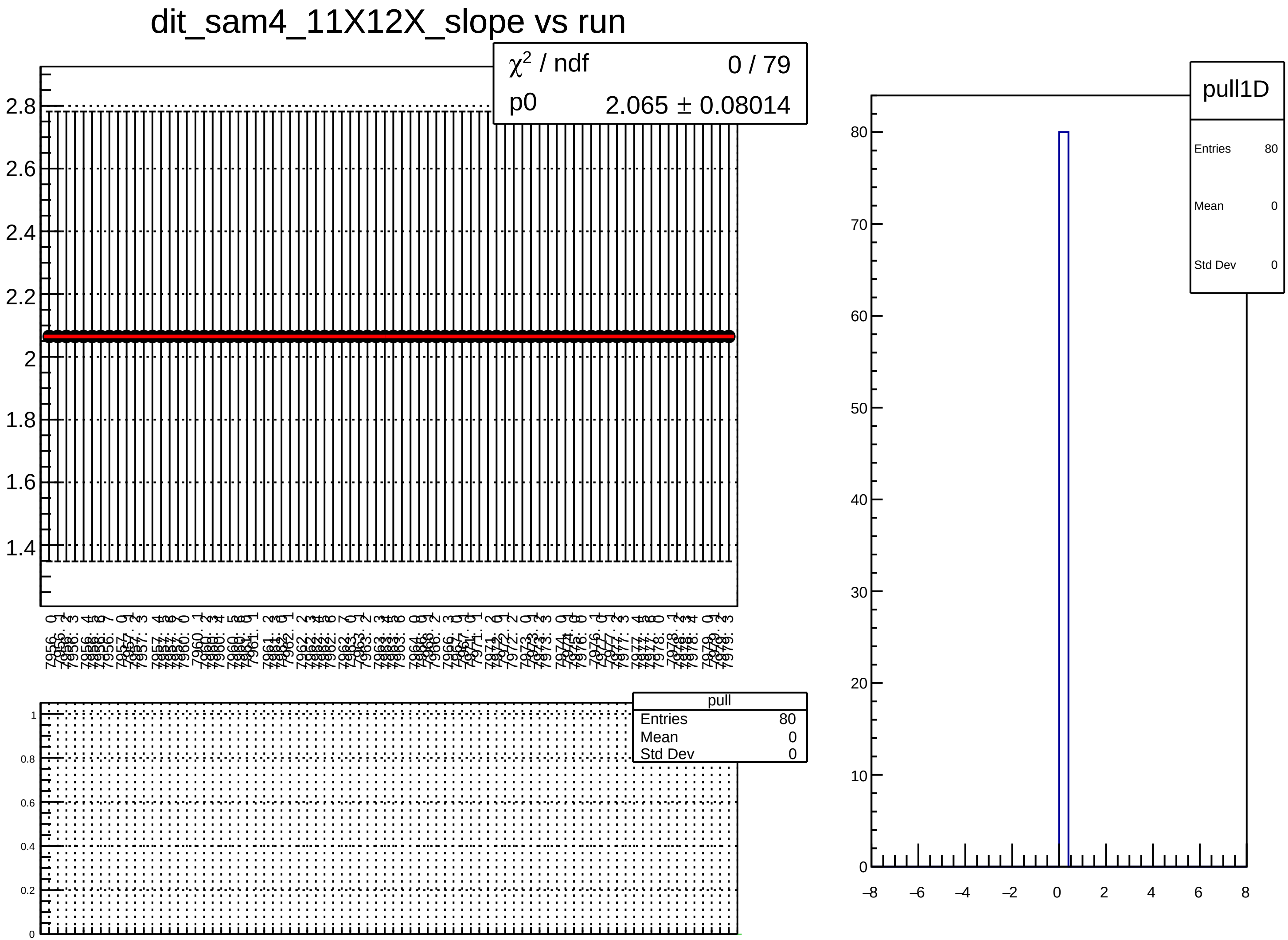

dit_sam3_4eY_slope vs run
χ² / ndf 3.731e−24 / 79
p0 33.5 ± 0.02943
33.8
33.7
33.6
33.5
33.4
33.3
33.2
×10⁻¹²
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 2.159e−13
Std Dev 8.964e−21



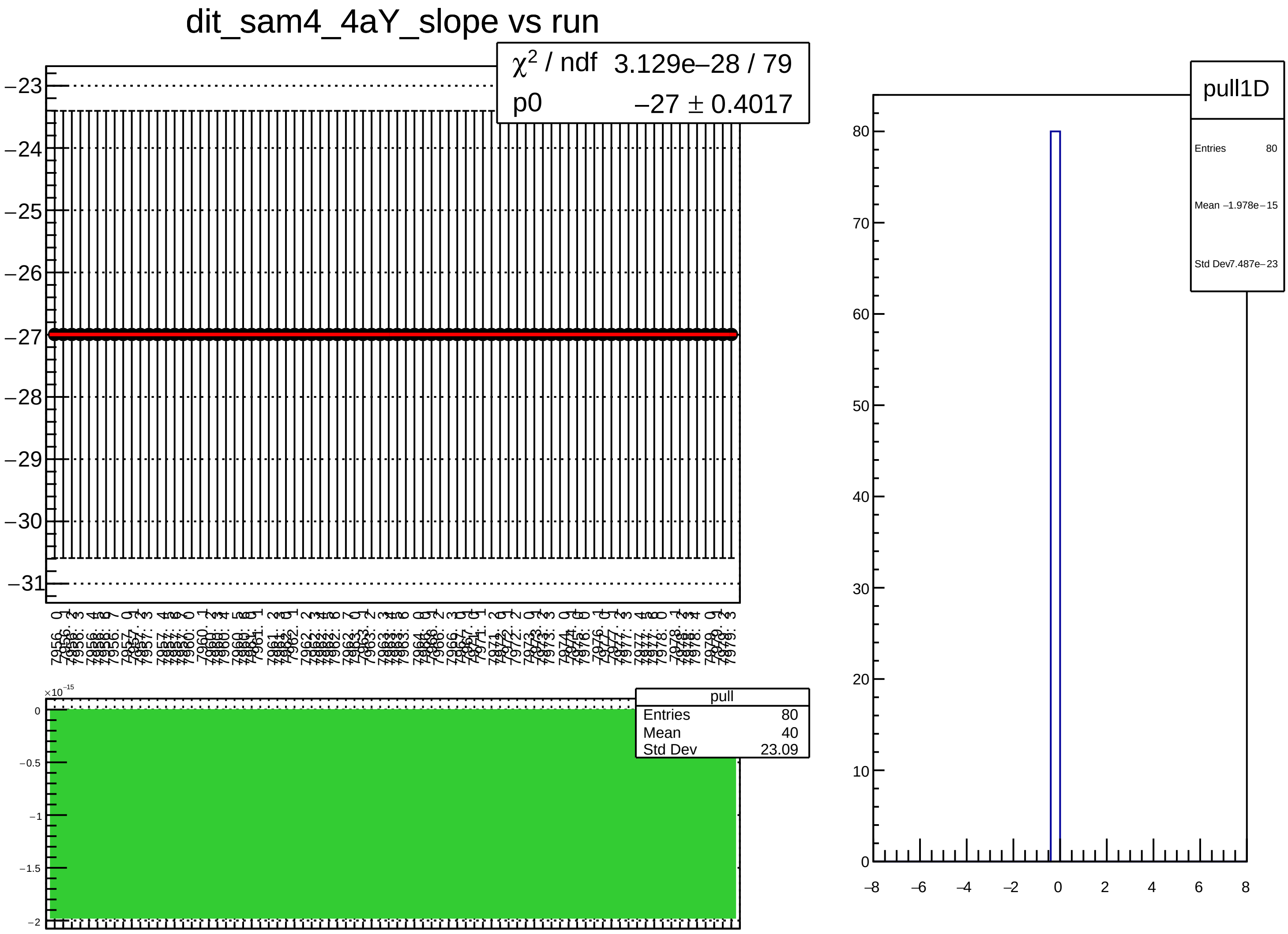
dit_sam4_4aX_slope vs run
χ2 / ndf 2.627e−27 / 79
p0 11.85 ± 0.3119
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.73e−15
Std Dev1.981e−22



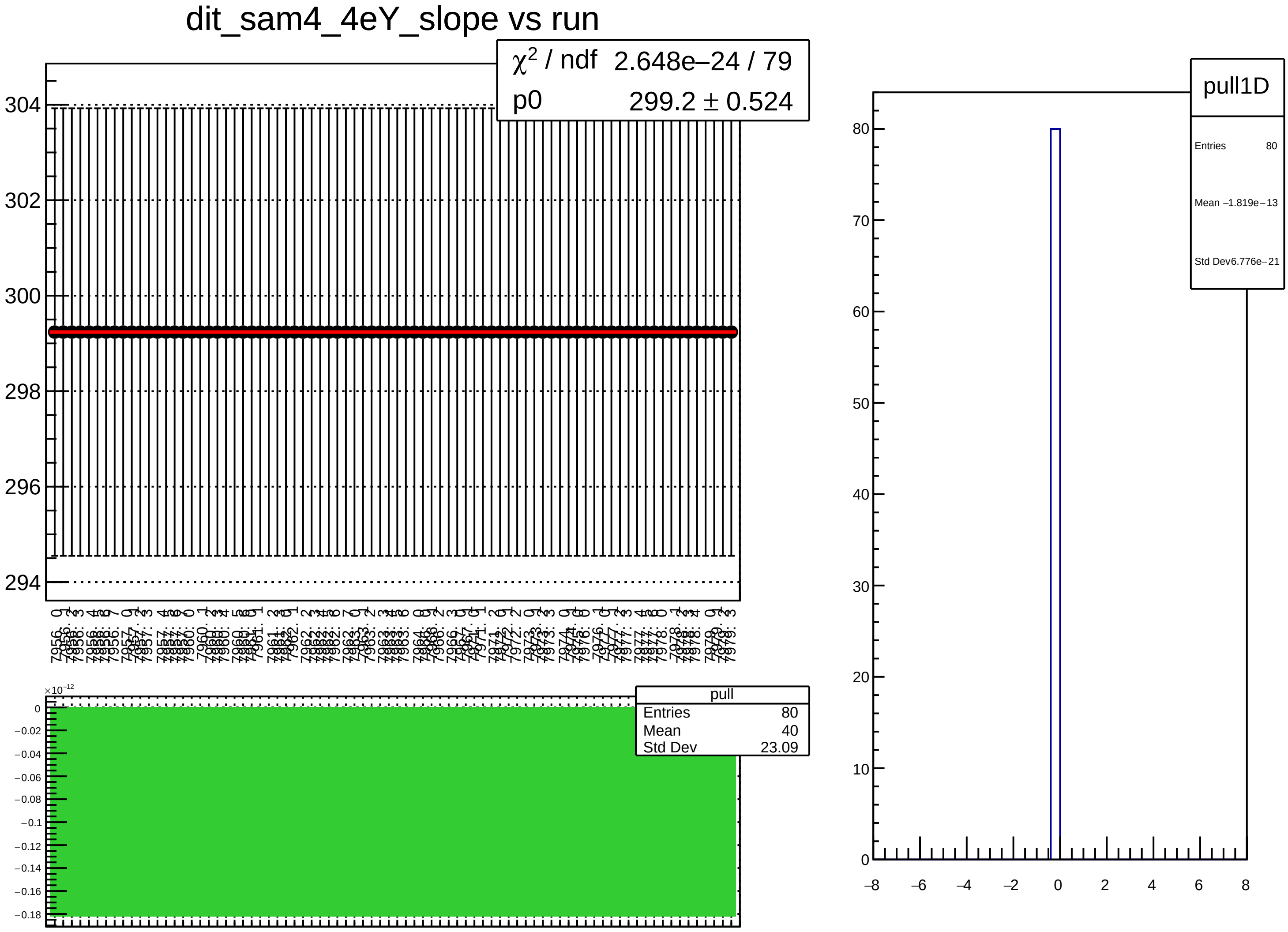
dit_sam4_4eX_slope vs run
χ^2 / ndf 1.503e−24 / 79
p0 −223.8 ± 0.2782
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.371e−13
Std Dev 3.788e−21



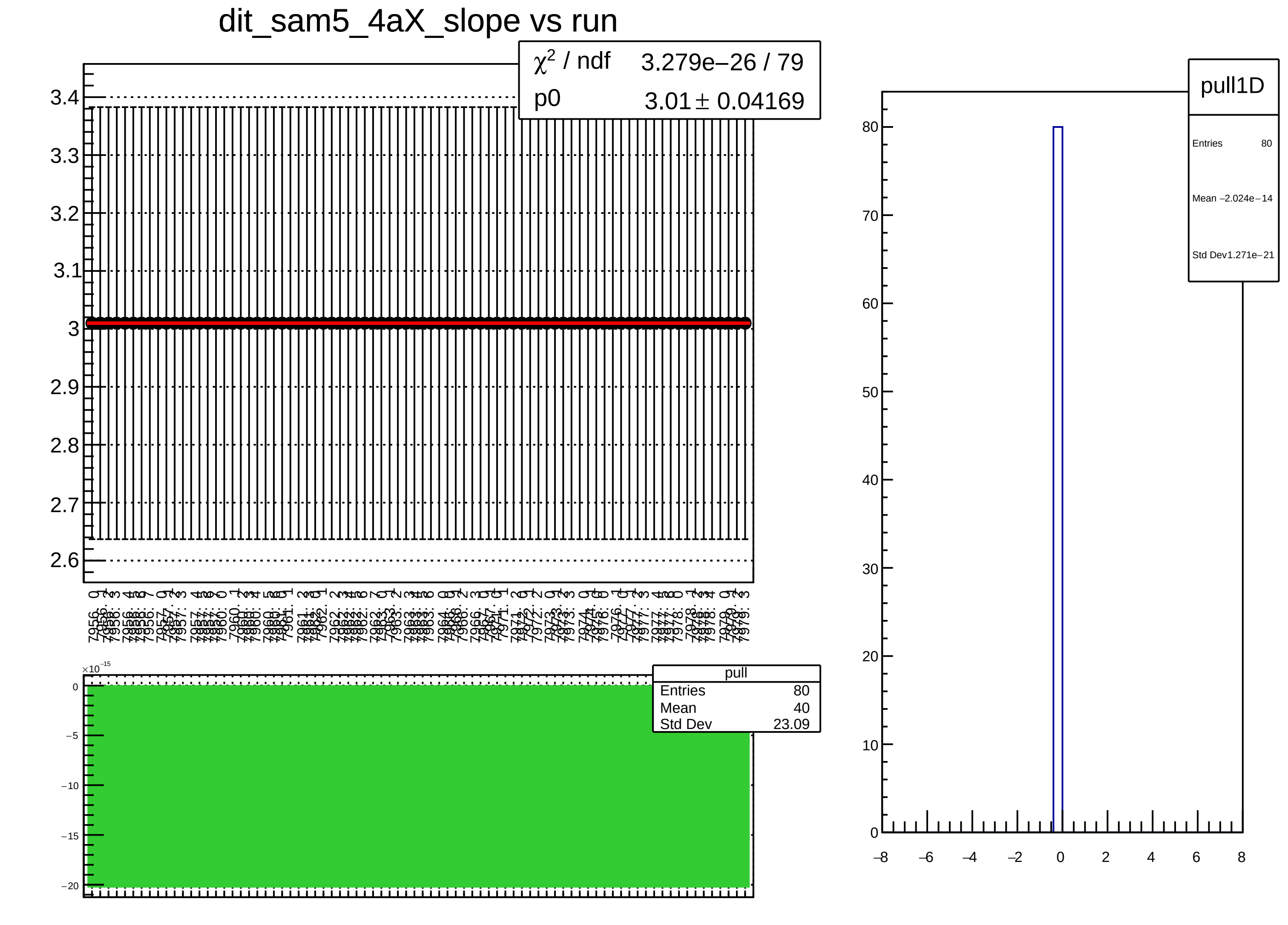
dit_sam4_11X12X_slope vs run
χ^2 / ndf 0 / 79
p0 2.065 ± 0.08014
pull
Entries 80
Mean 0
Std Dev 0
pull1D
Entries 80
Mean 0
Std Dev 0



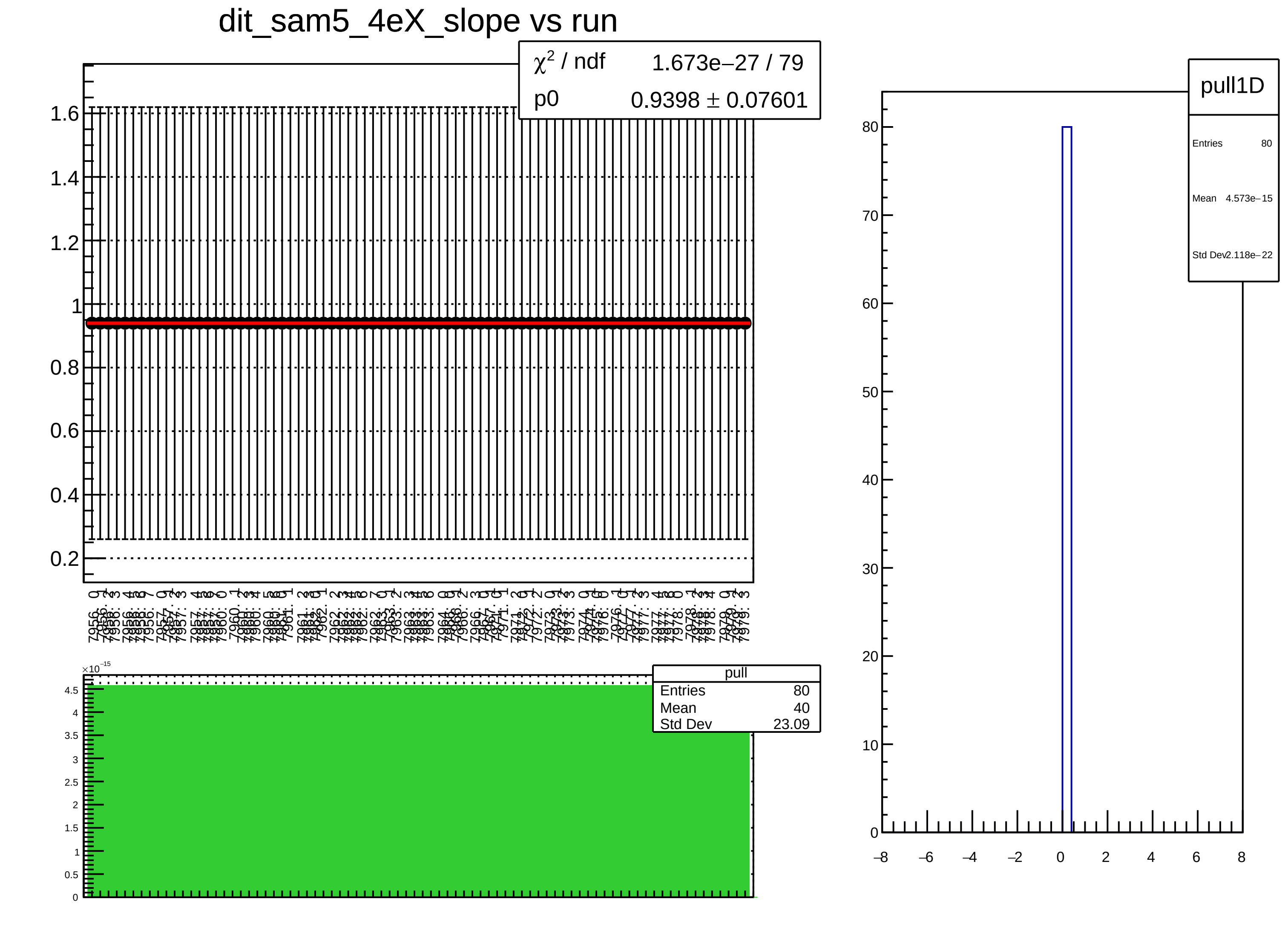
dit_sam4_4aY_slope vs run
χ2 / ndf 3.129e−28 / 79
p0 −27 ± 0.4017
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.978e−15
Std Dev 7.487e−23

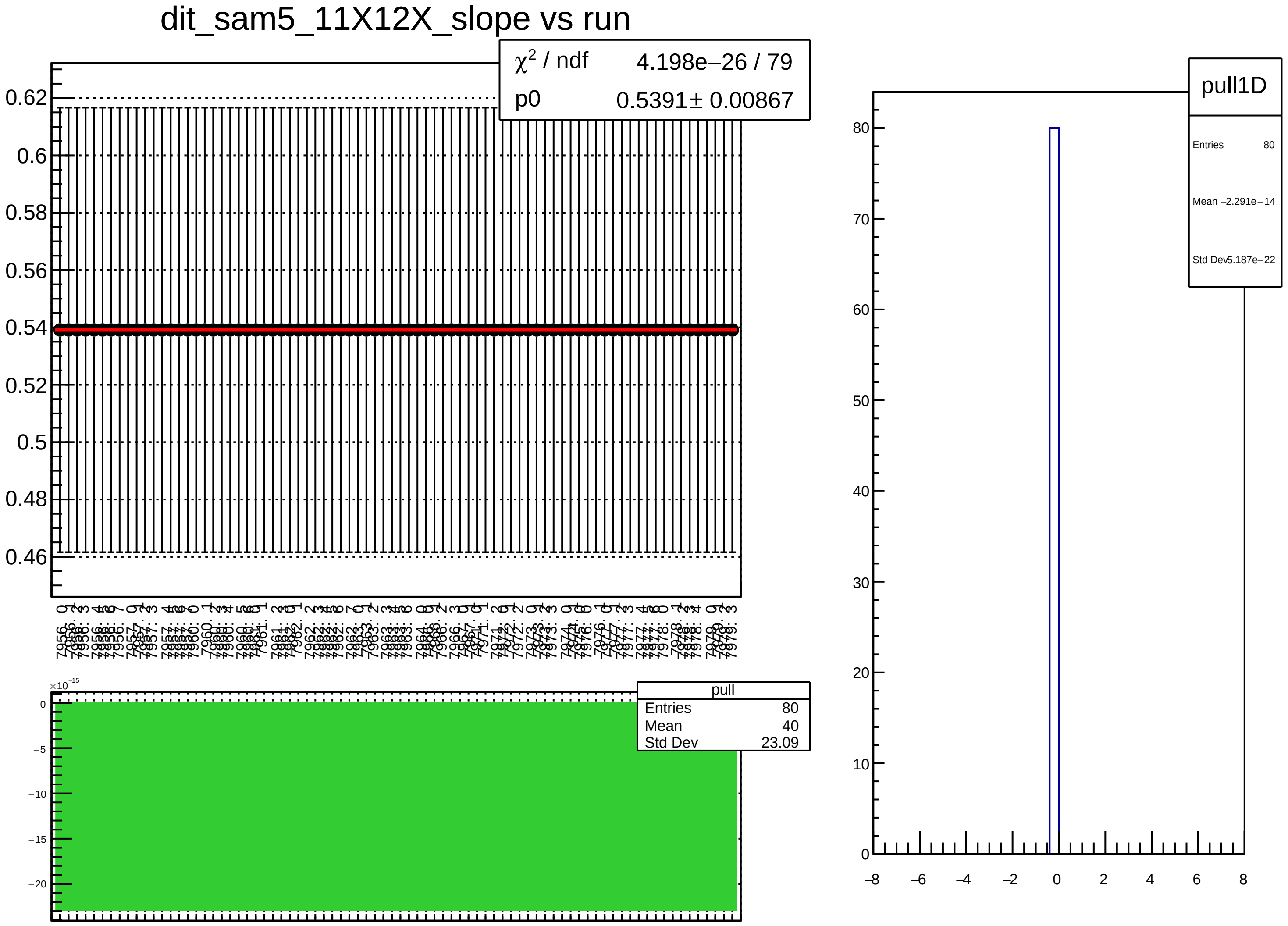


dit_sam4_4eY_slope vs run
χ^2 / ndf 2.648e−24 / 79
p0 299.2 ± 0.524
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.819e−13
Std Dev 6.776e−21

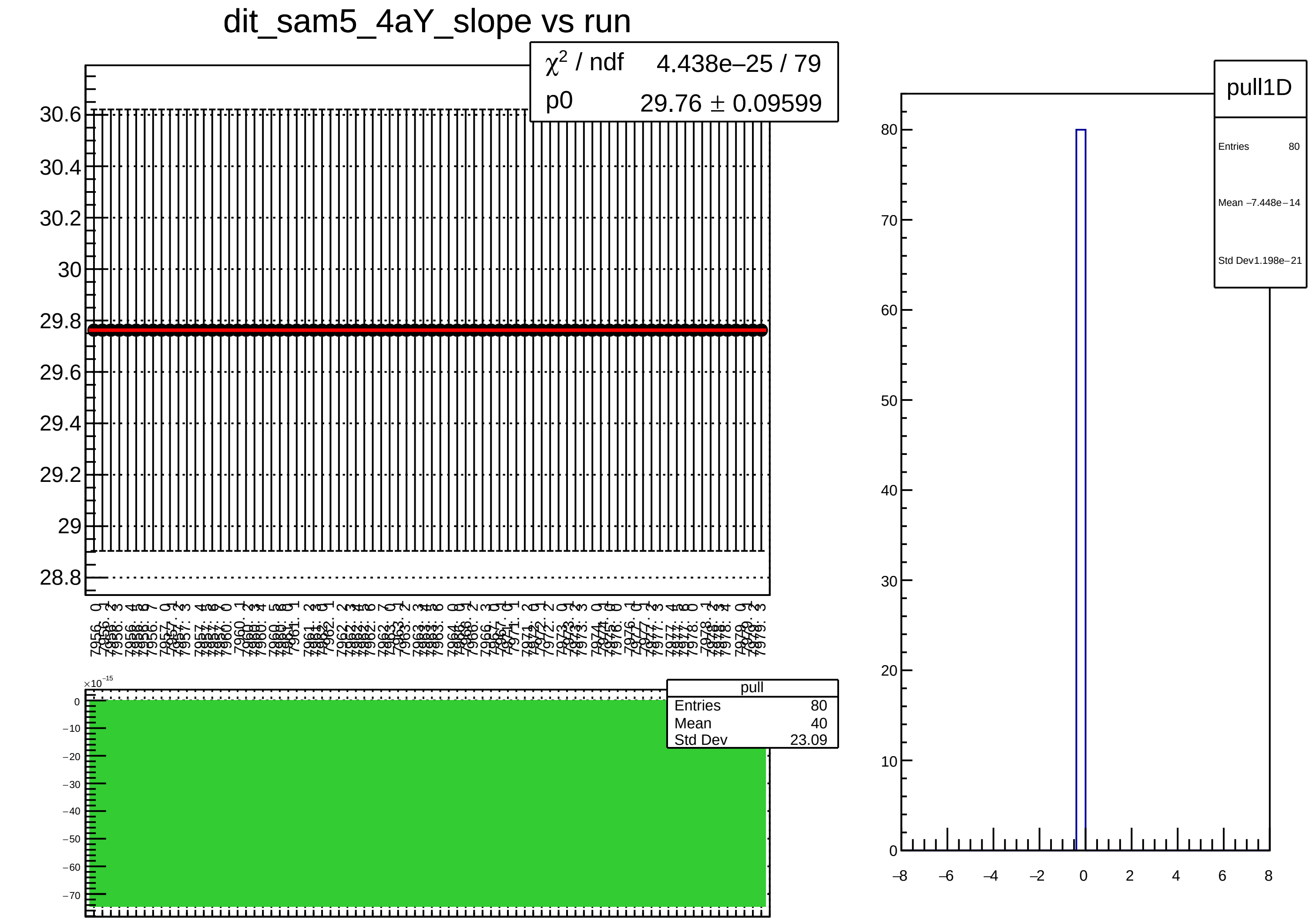


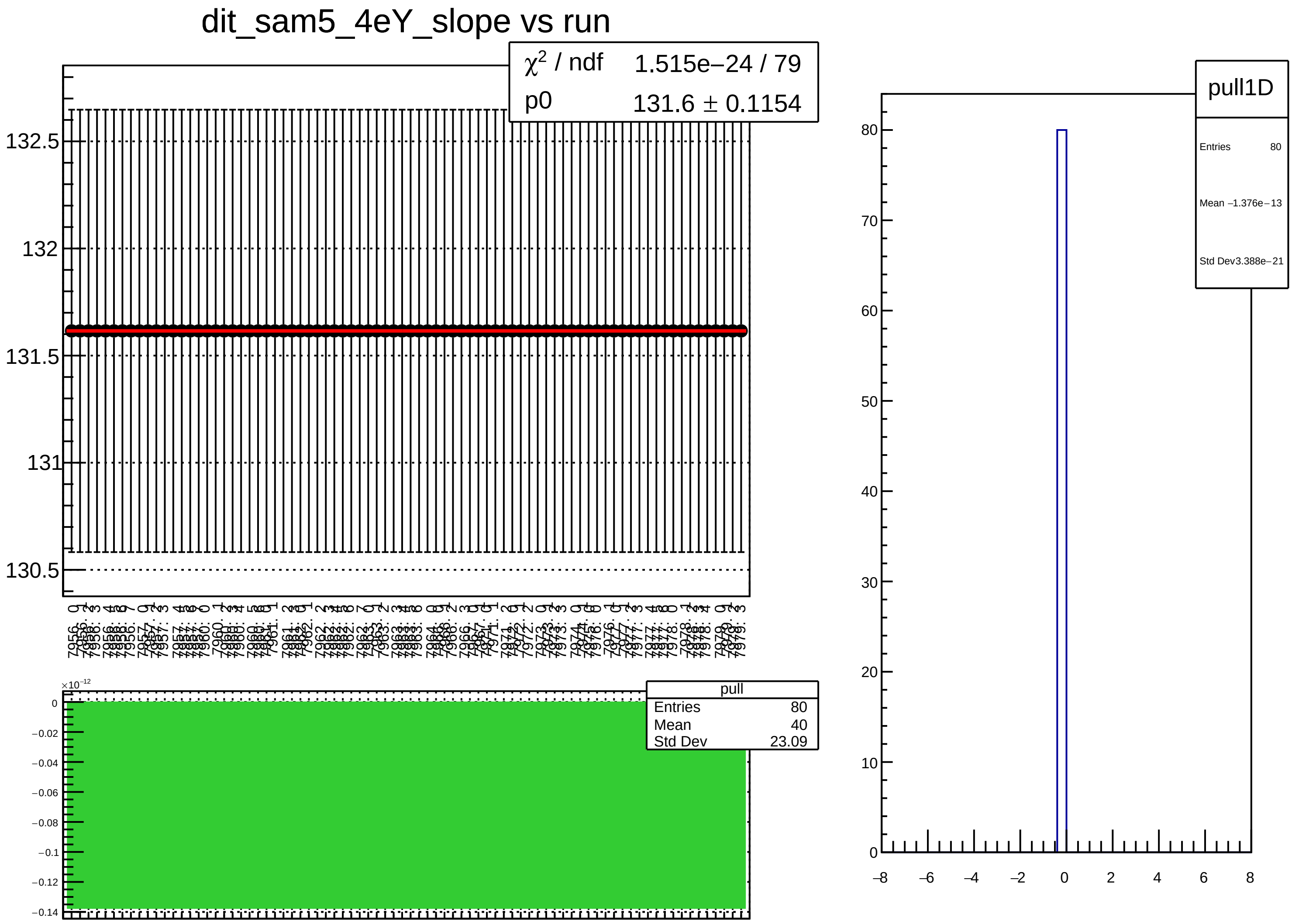
dit_sam5_4aX_slope vs run
χ^2 / ndf 3.279e−26 / 79
p0 3.01 ± 0.04169
3.4
3.3
3.2
3.1
3
2.9
2.8
2.7
2.6
$\times 10^{-15}$
0
−5
−10
−15
−20
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.024e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_4eX_slope vs run
χ^2 / ndf 1.673e−27 / 79
p0 0.9398 ± 0.07601
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 4.573e−15
Std Dev 2.118e−22

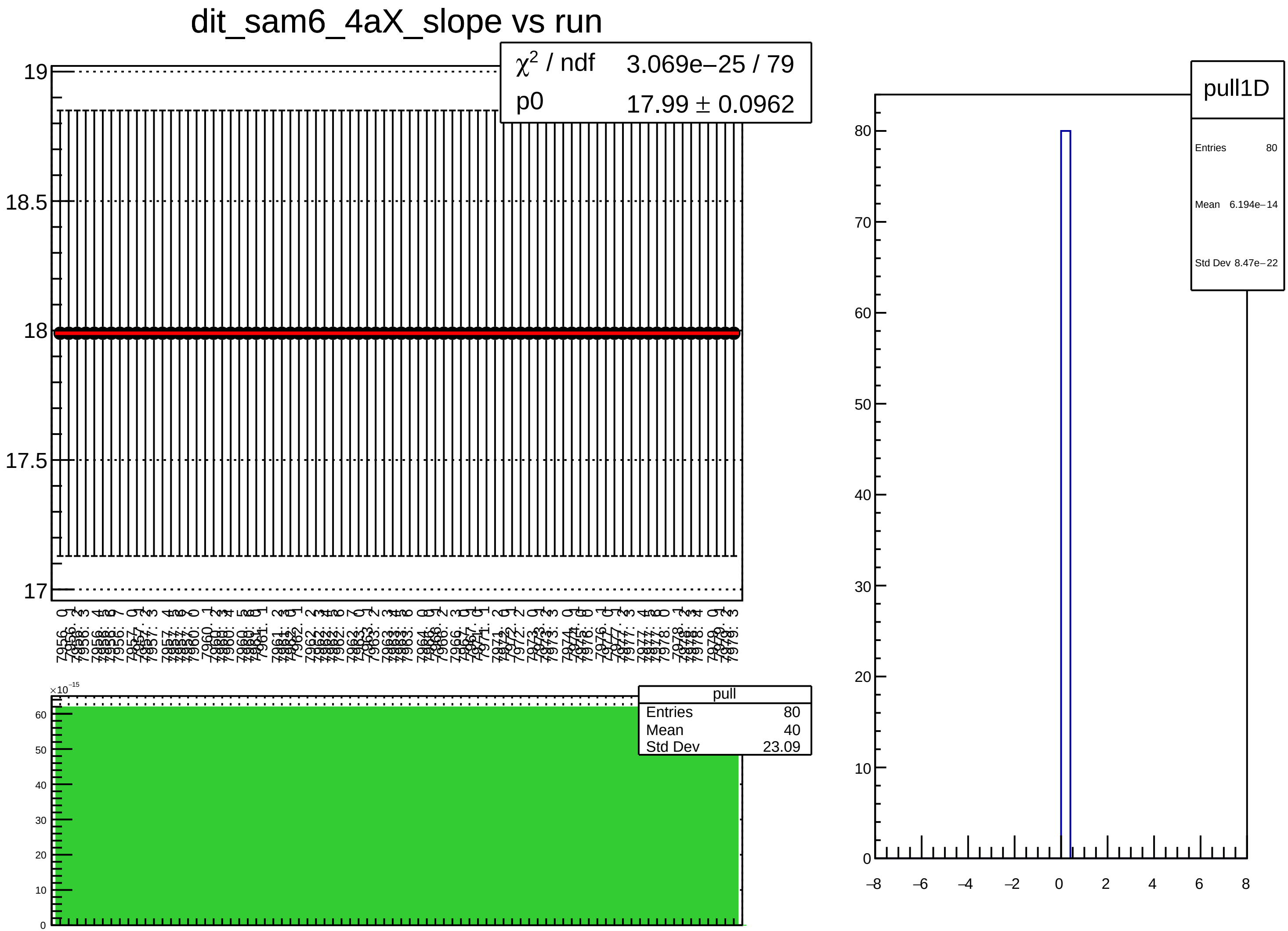


dit_sam5_11X12X_slope vs run
χ2 / ndf 4.198e−26 / 79
p0 0.5391 ± 0.00867
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −2.291e−14
Std Dev 5.187e−22

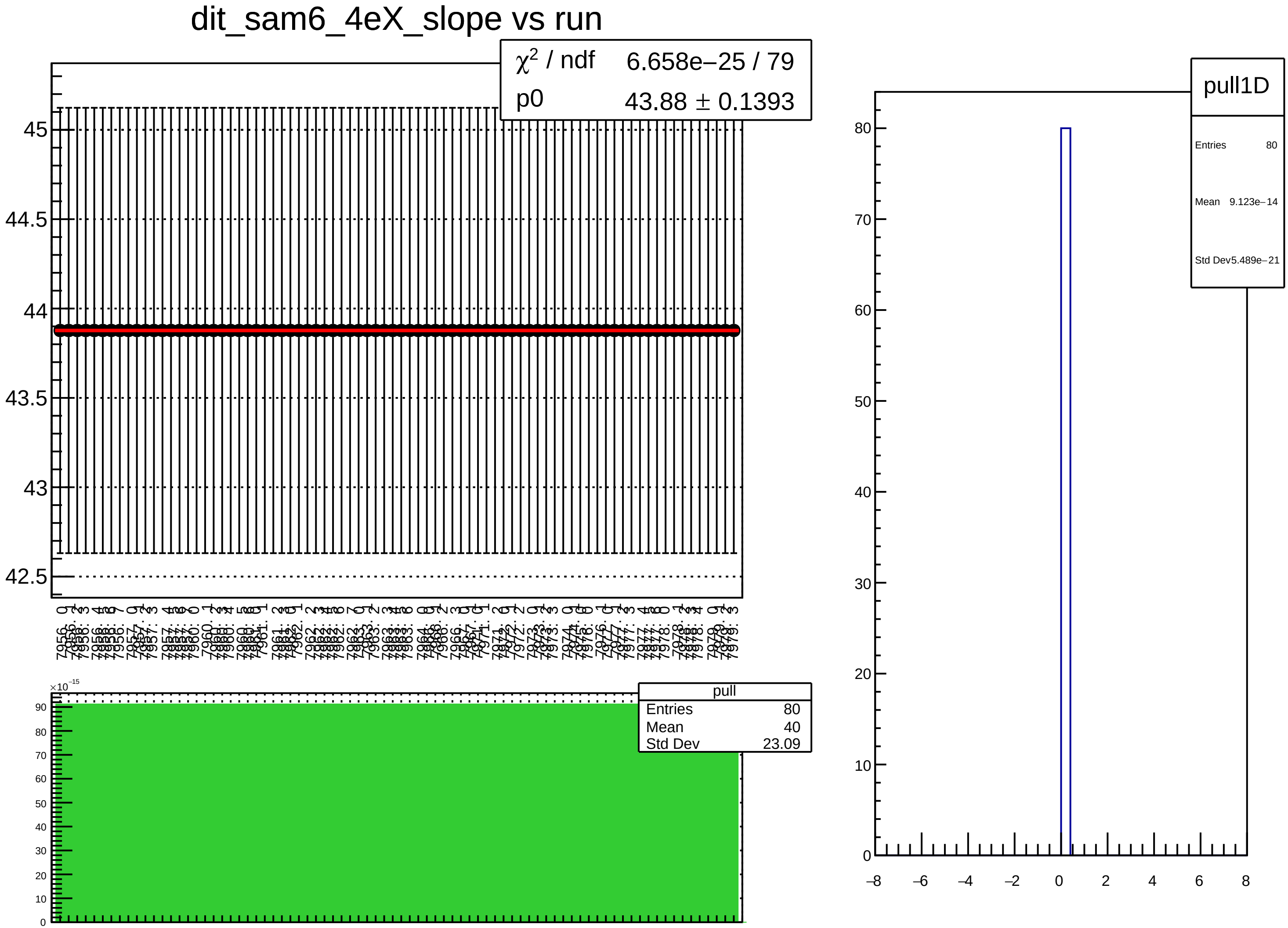

dit_sam5_4aY_slope vs run
χ2 / ndf 4.438e−25 / 79
p0 29.76 ± 0.09599
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −7.448e−14
Std Dev1.198e−21



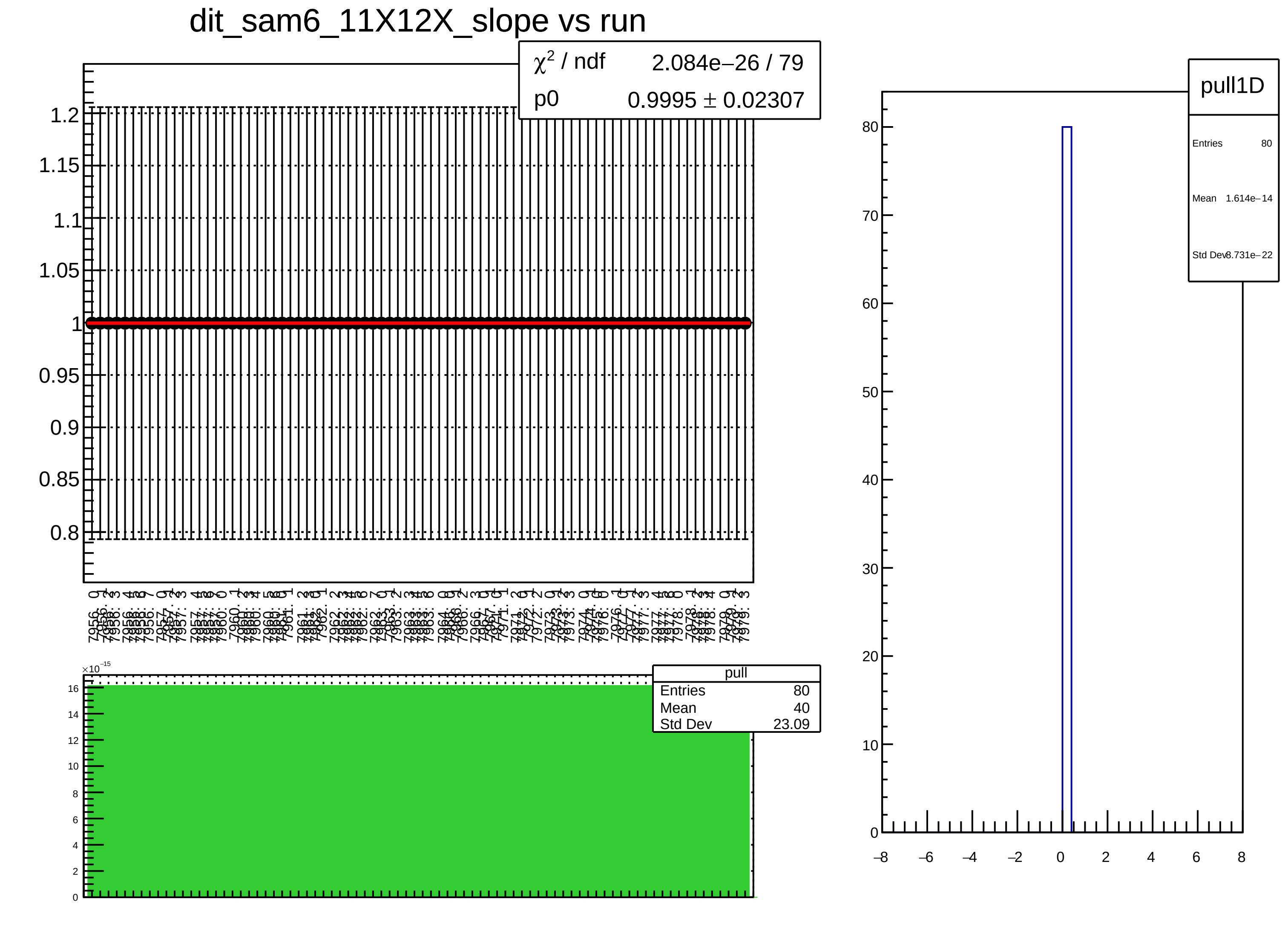
dit_sam5_4eY_slope vs run
χ^2 / ndf 1.515e−24 / 79
p0 131.6 ± 0.1154
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.376e−13
Std Dev 3.388e−21



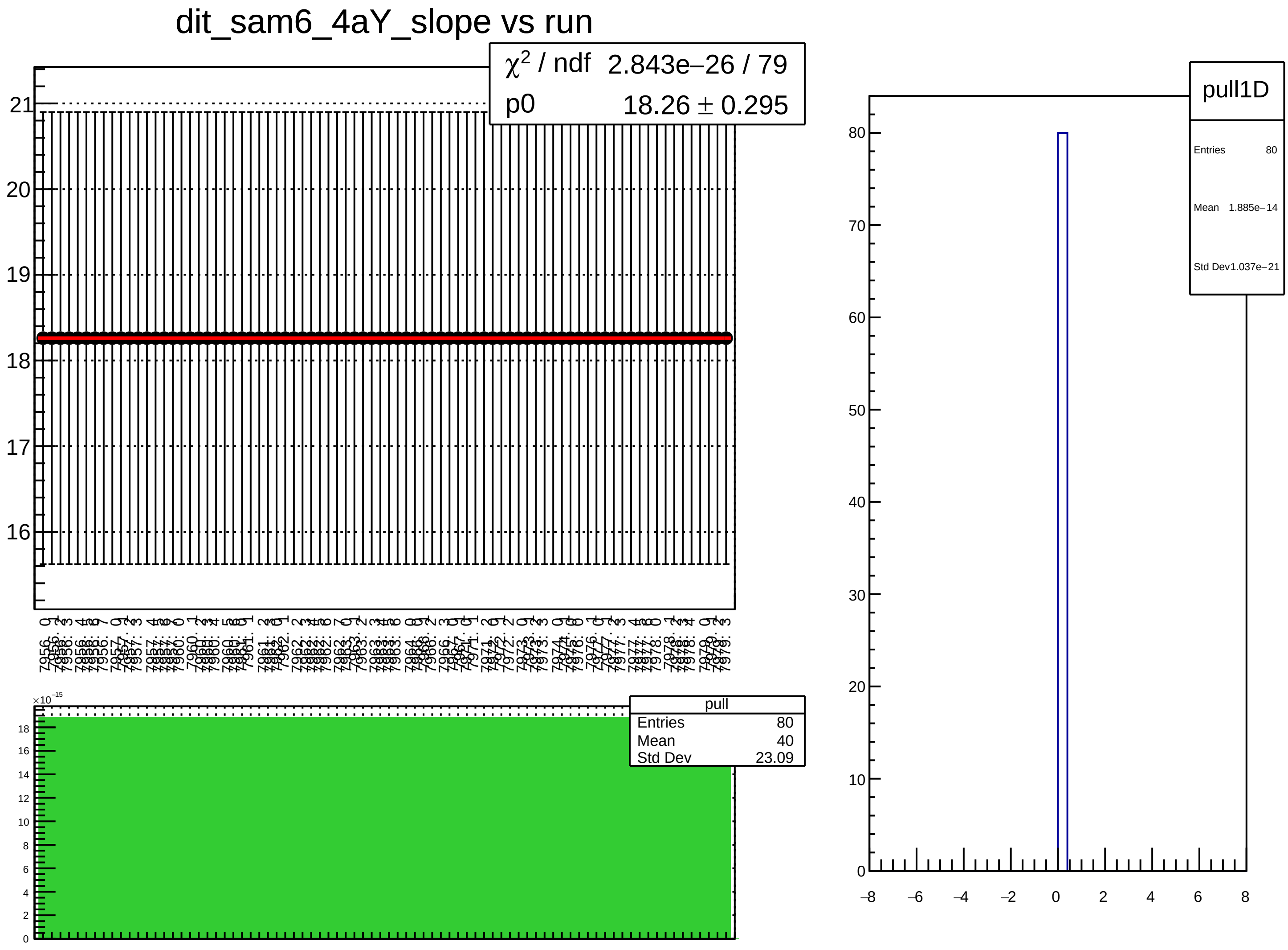
dit_sam6_4aX_slope vs run
χ2 / ndf 3.069e−25 / 79
p0 17.99 ± 0.0962
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.194e−14
Std Dev 8.47e−22



dit_sam6_4eX_slope vs run
χ^2 / ndf 6.658e−25 / 79
p0 43.88 ± 0.1393
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 9.123e−14
Std Dev5.489e−21

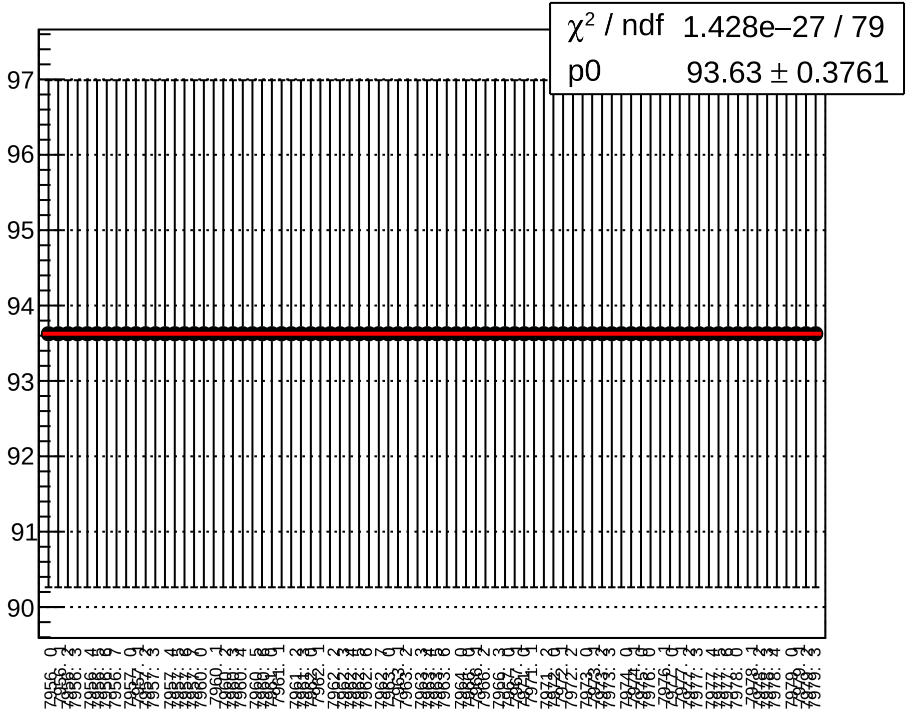


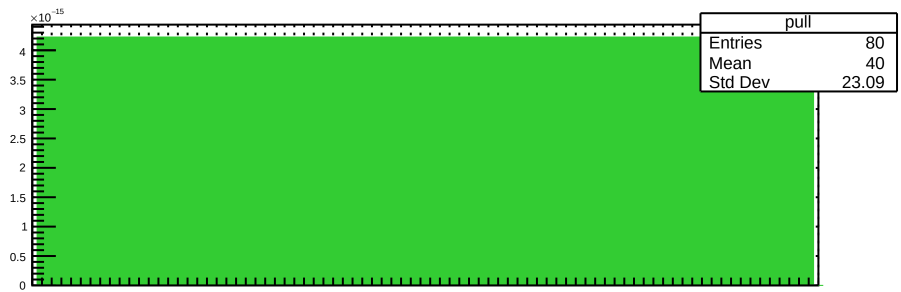
dit_sam6_11X12X_slope vs run
χ^2 / ndf 2.084e−26 / 79
p0 0.9995 ± 0.02307
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.614e−14
Std Dev 8.731e−22

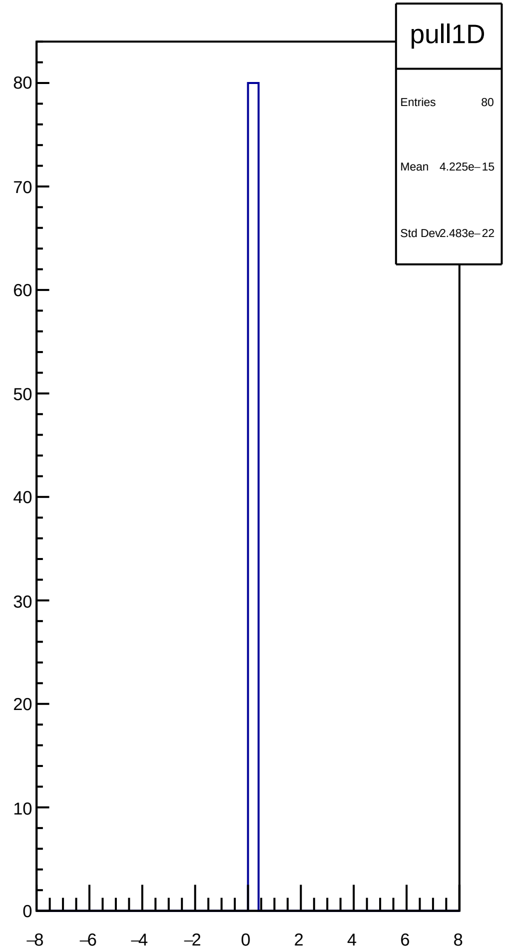


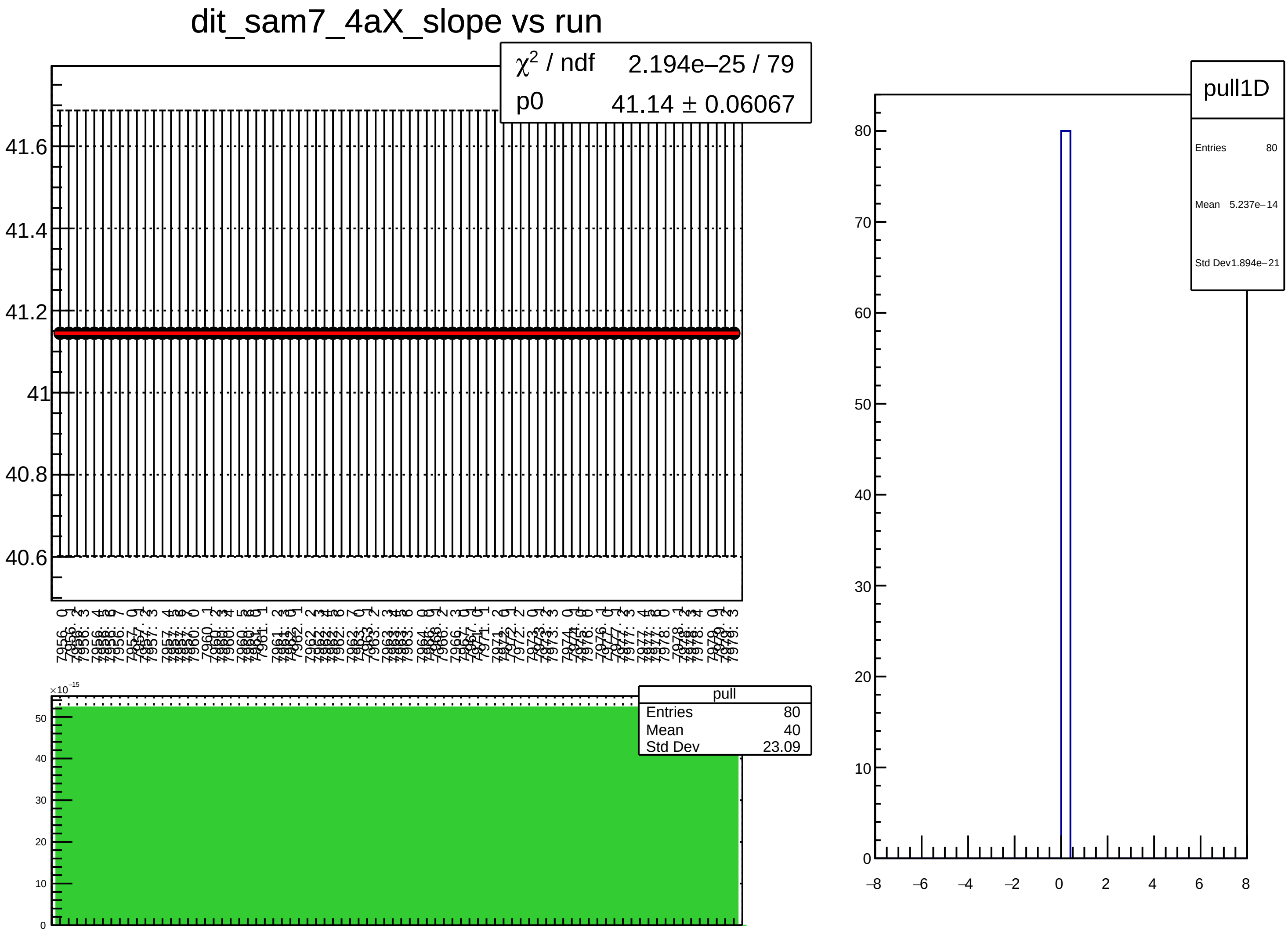
dit_sam6_4aY_slope vs run
χ2 / ndf 2.843e−26 / 79
p0 18.26 ± 0.295
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 1.885e−14
Std Dev 1.037e−21

dit_sam6_4eY_slope vs run

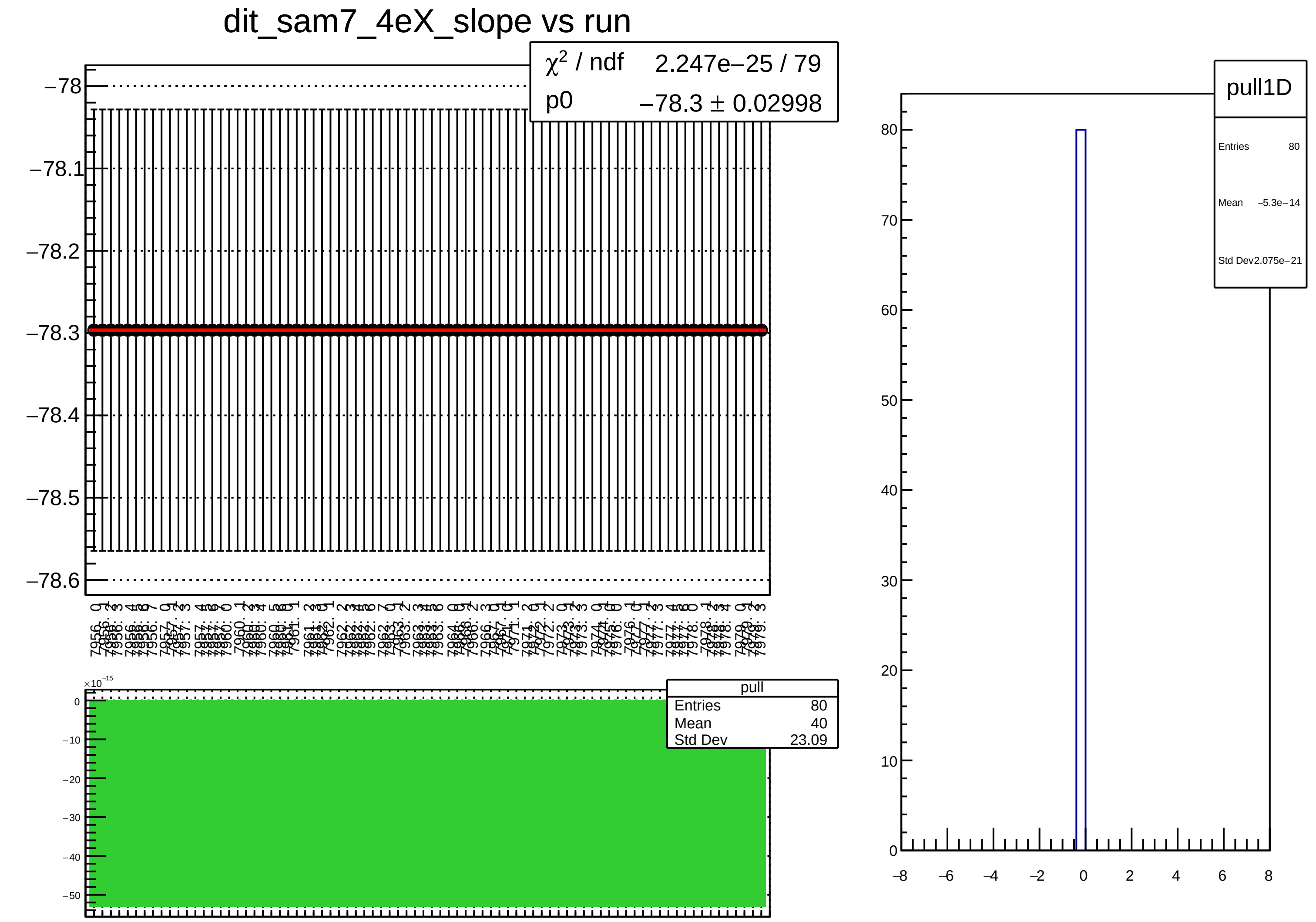




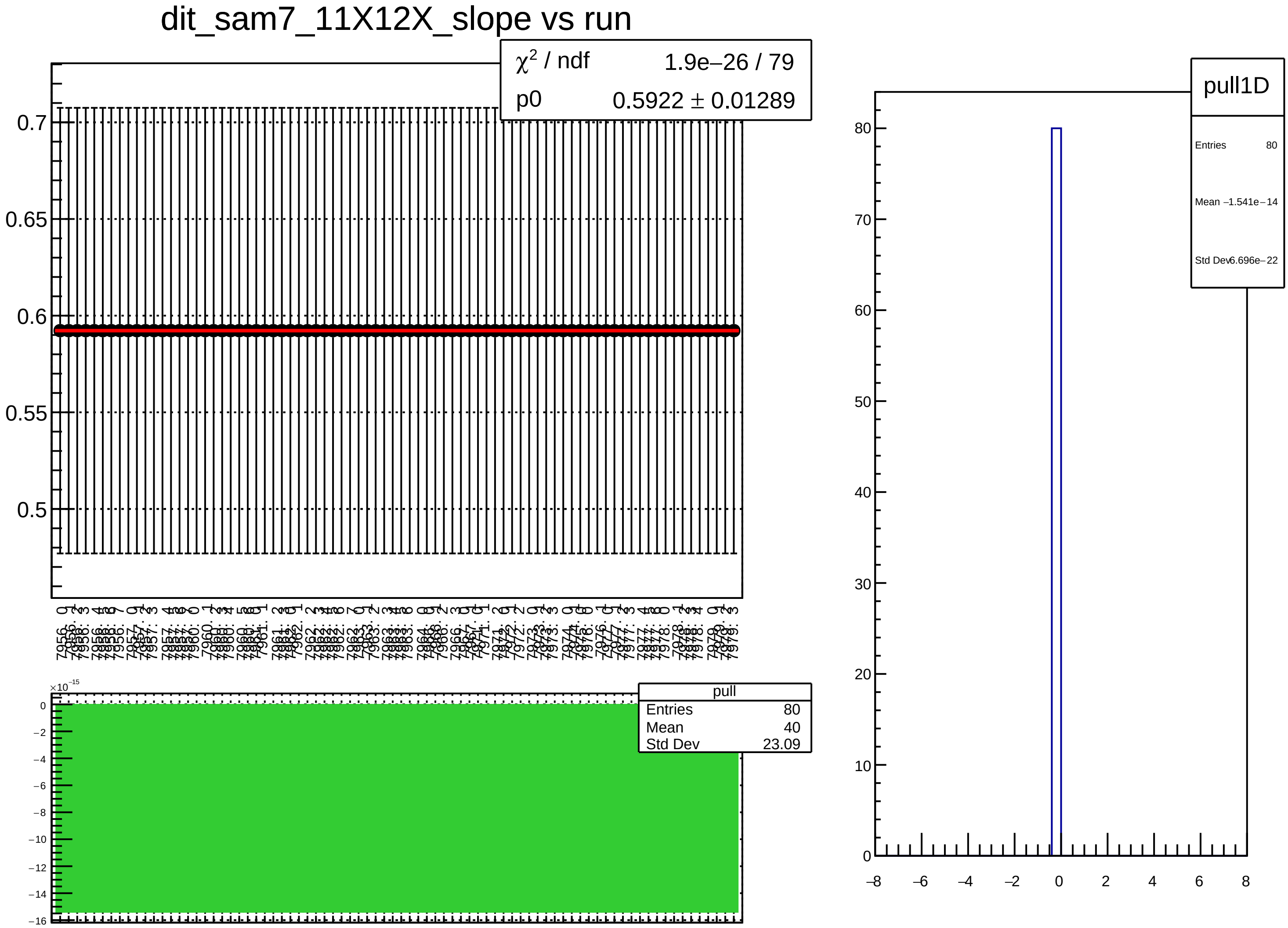




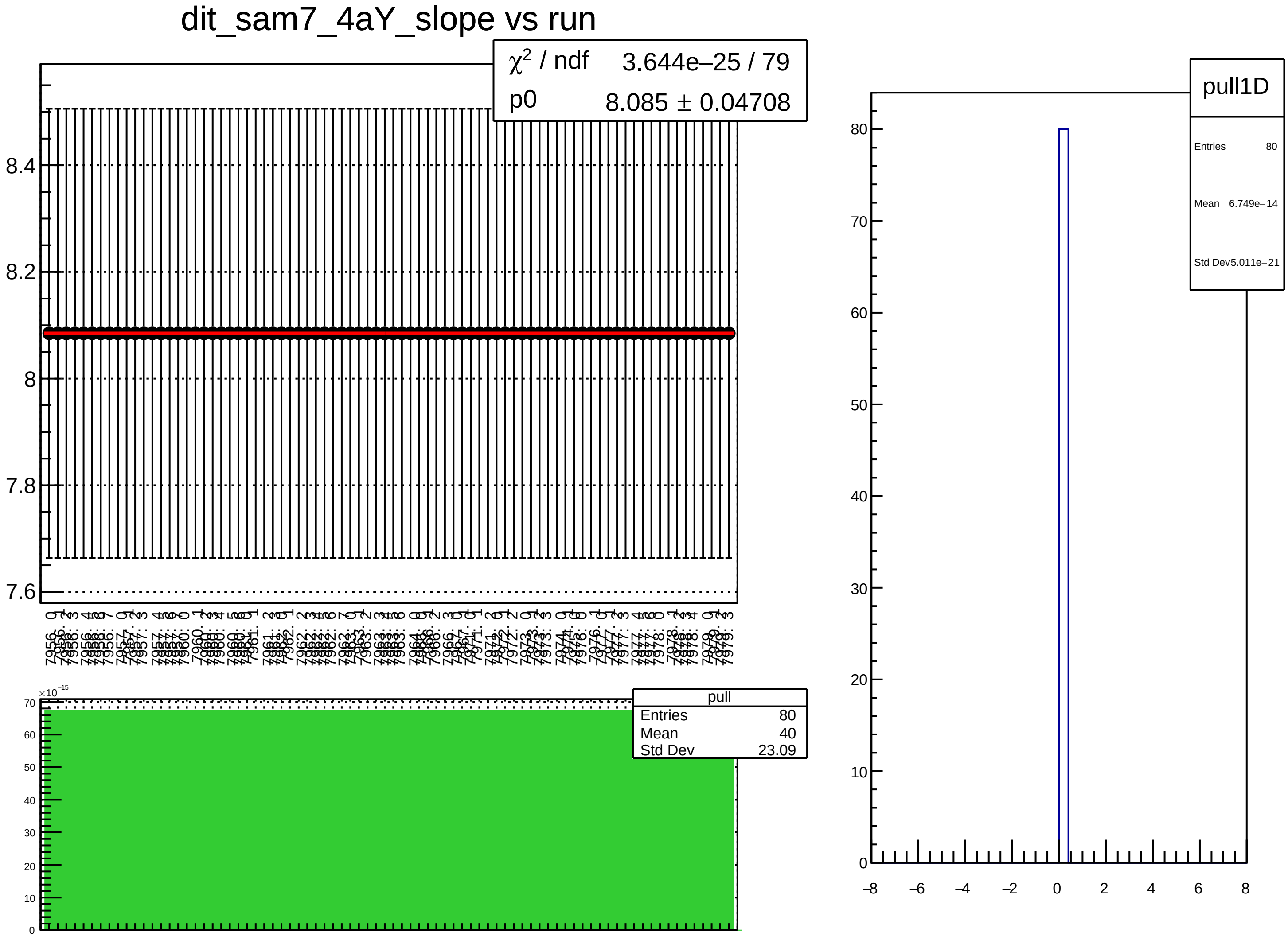
dit_sam7_4aX_slope vs run
χ2 / ndf 2.194e−25 / 79
p0 41.14 ± 0.06067
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 5.237e−14
Std Dev 1.894e−21



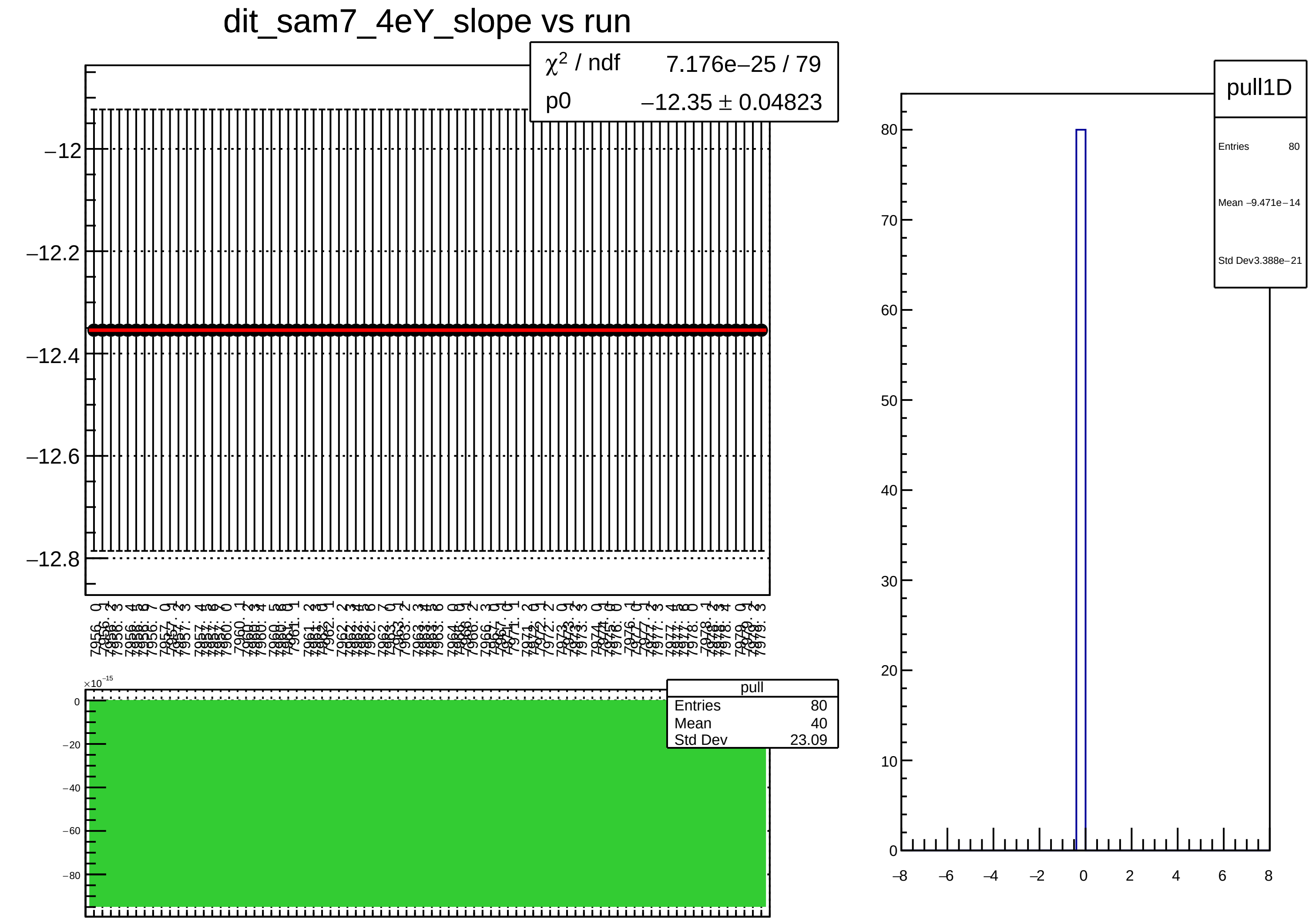
dit_sam7_4eX_slope vs run
χ2 / ndf 2.247e−25 / 79
p0 −78.3 ± 0.02998
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.3e−14
Std Dev 2.075e−21



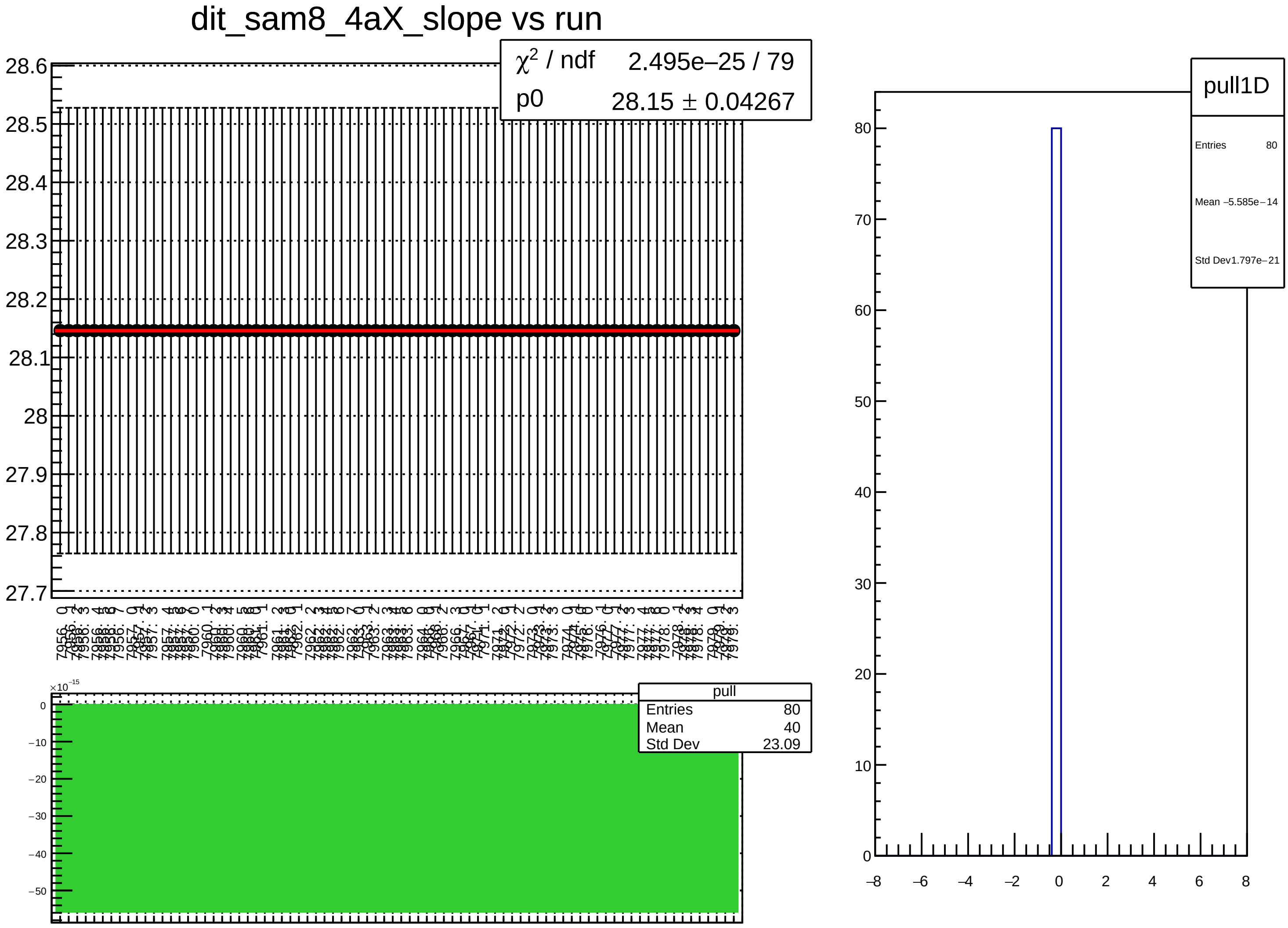
dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.9e−26 / 79
p0 0.5922 ± 0.01289
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.541e−14
Std Dev 6.696e−22



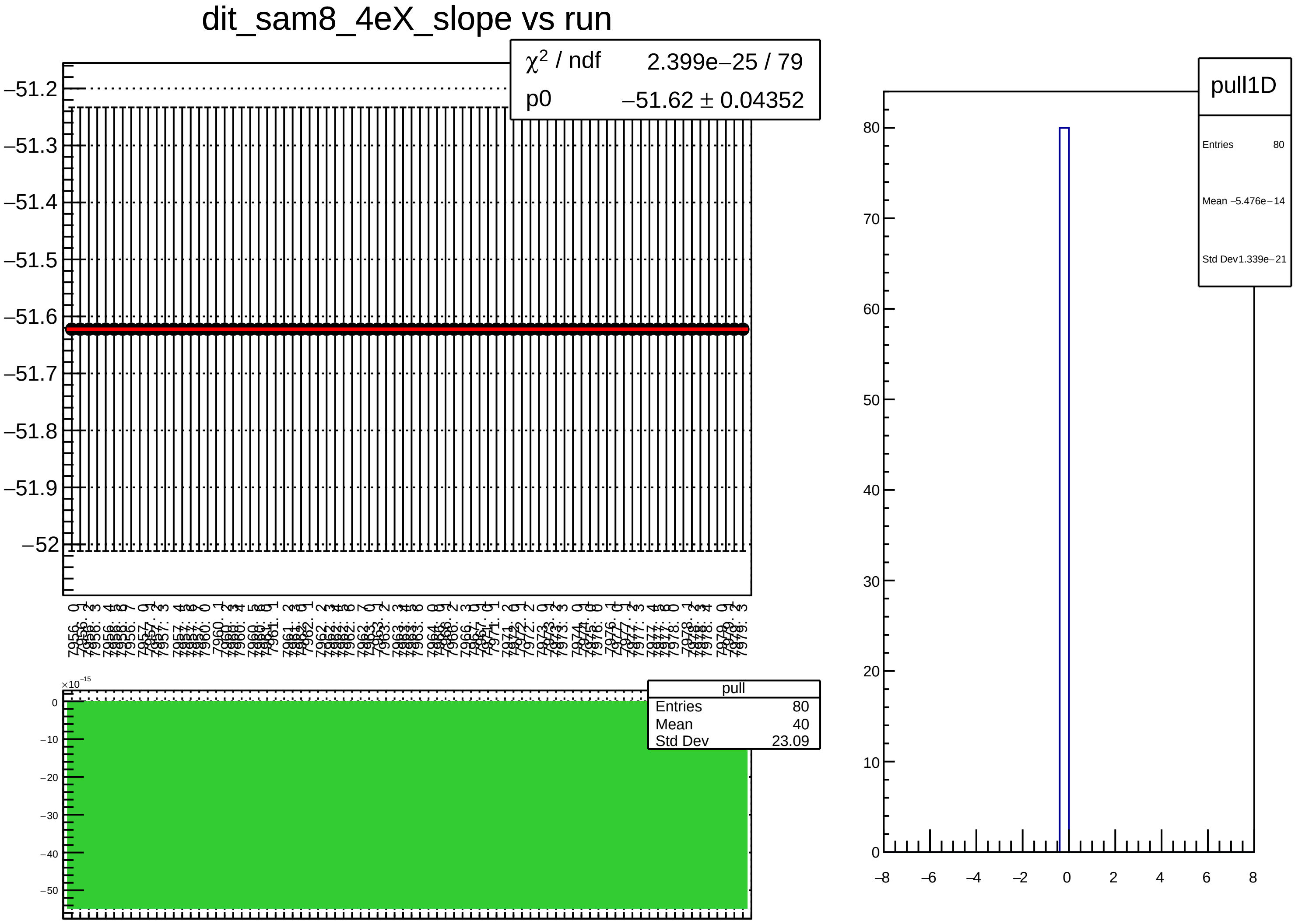
dit_sam7_4aY_slope vs run
χ^2 / ndf 3.644e−25 / 79
p0 8.085 ± 0.04708
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 6.749e−14
Std Dev 5.011e−21



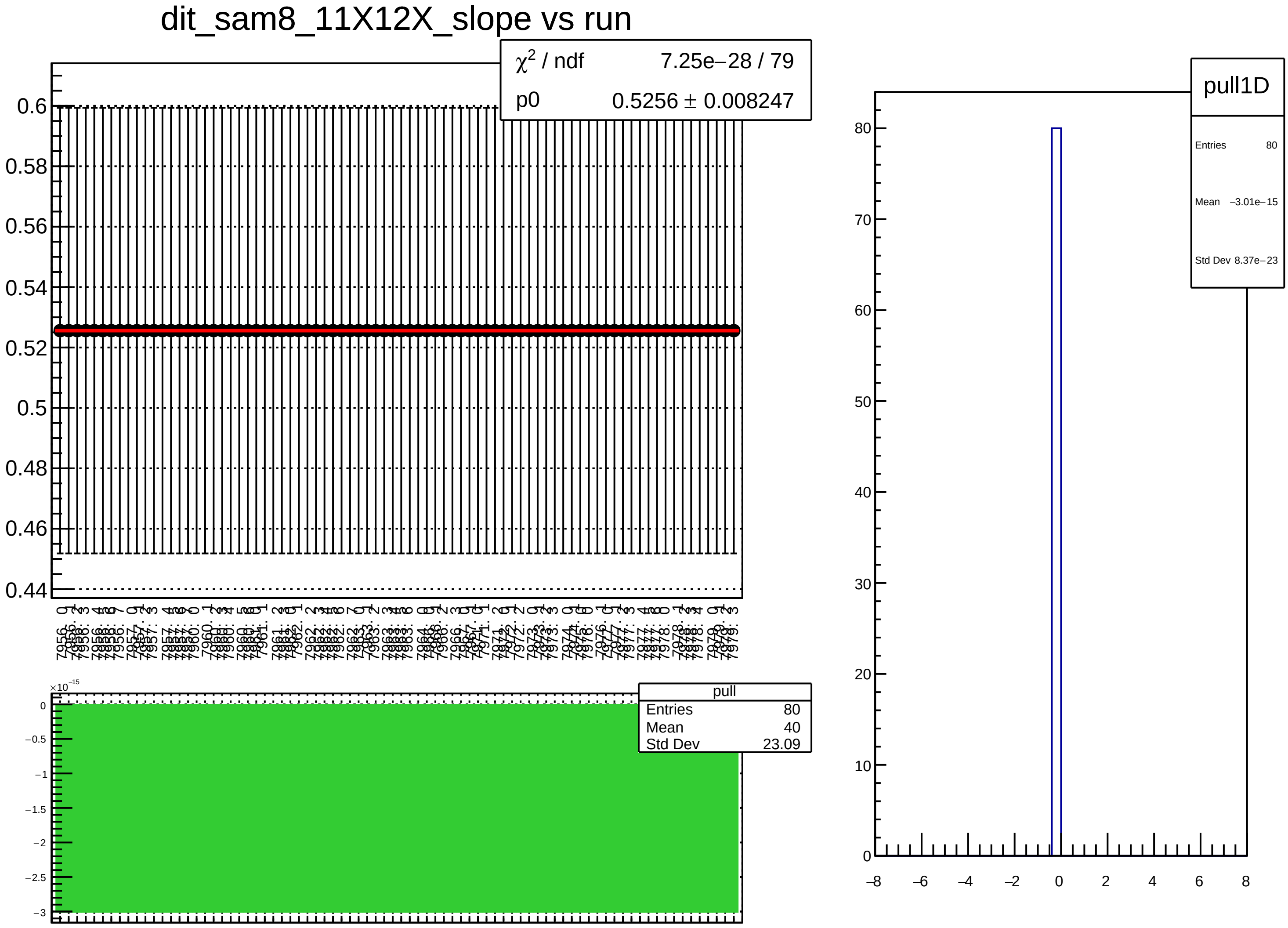
dit_sam7_4eY_slope vs run
χ2 / ndf 7.176e−25 / 79
p0 −12.35 ± 0.04823
−12
−12.2
−12.4
−12.6
−12.8
×10−15
0
−20
−40
−60
−80
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −9.471e−14
Std Dev 3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

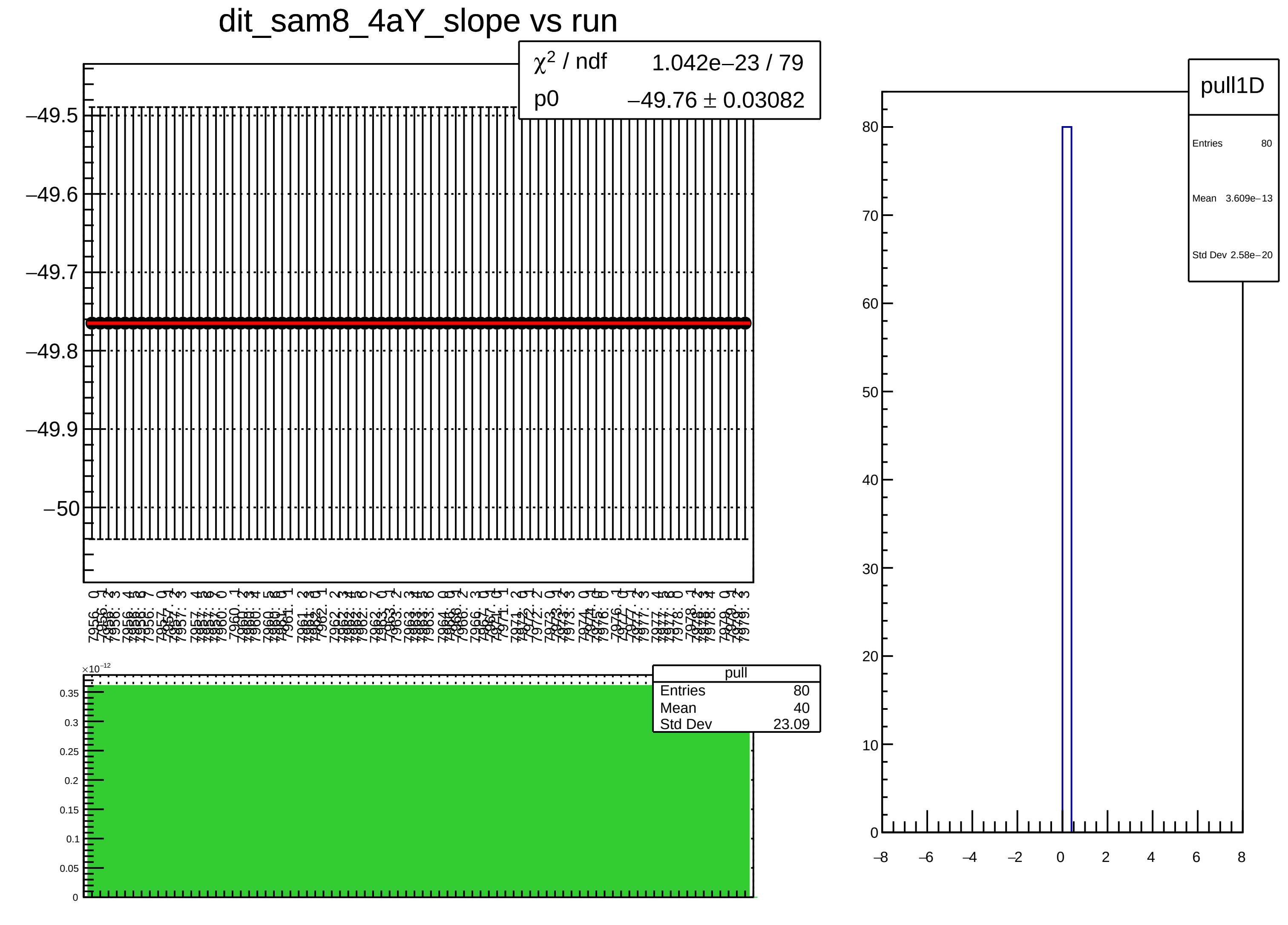


dit_sam8_4aX_slope vs run
χ2 / ndf 2.495e−25 / 79
p0 28.15 ± 0.04267
28.6
28.5
28.4
28.3
28.2
28.1
28
27.9
27.8
27.7
×10−15
0
−10
−20
−30
−40
−50
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.585e−14
Std Dev 1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

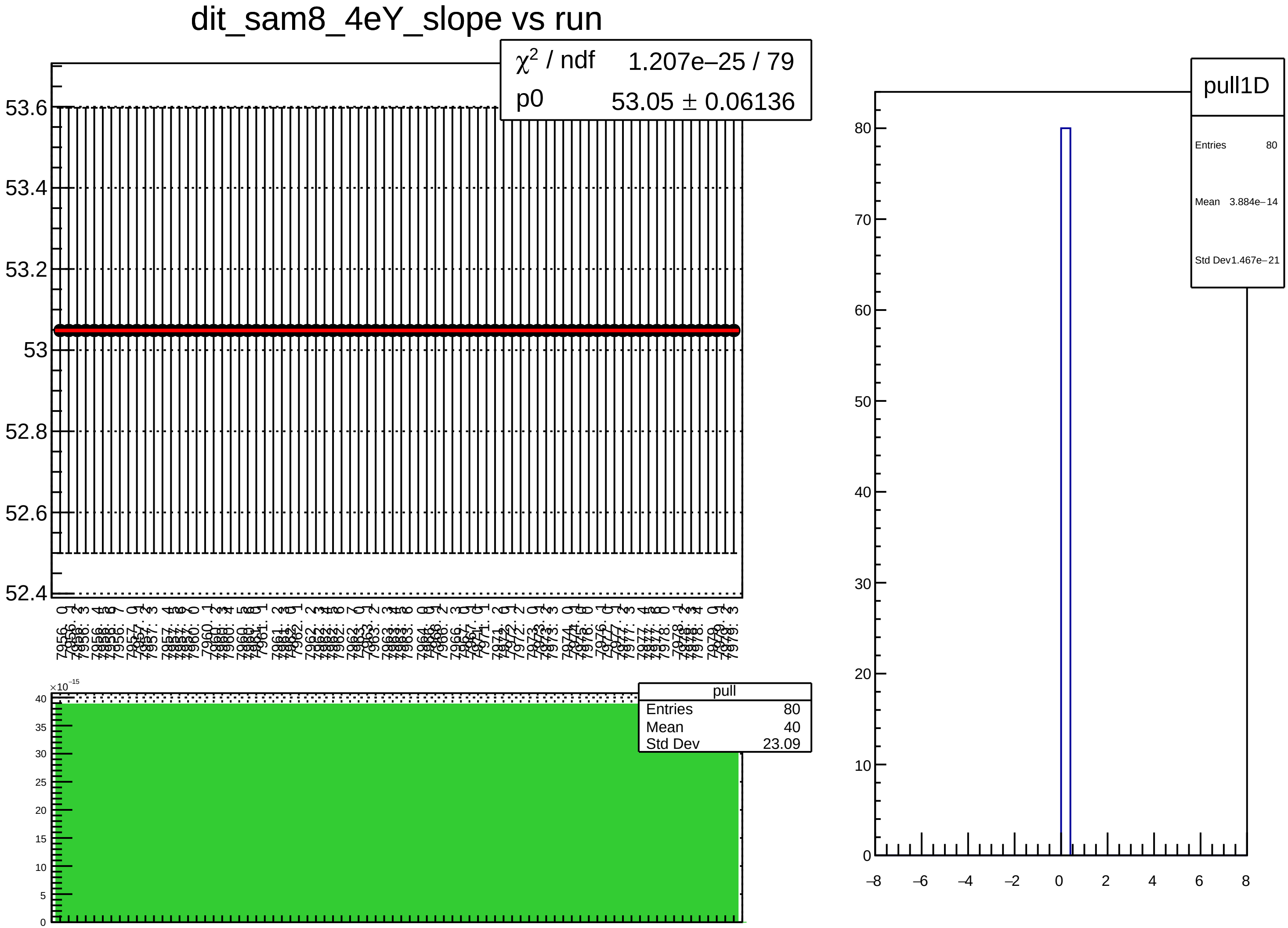


dit_sam8_4eX_slope vs run
χ^2 / ndf 2.399e−25 / 79
p0 −51.62 ± 0.04352
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −5.476e−14
Std Dev 1.339e−21

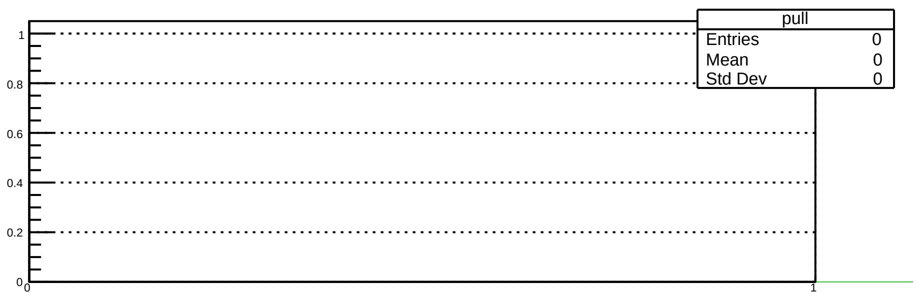

dit_sam8_11X12X_slope vs run
χ^2 / ndf 7.25e−28 / 79
p0 0.5256 ± 0.008247
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −3.01e−15
Std Dev 8.37e−23

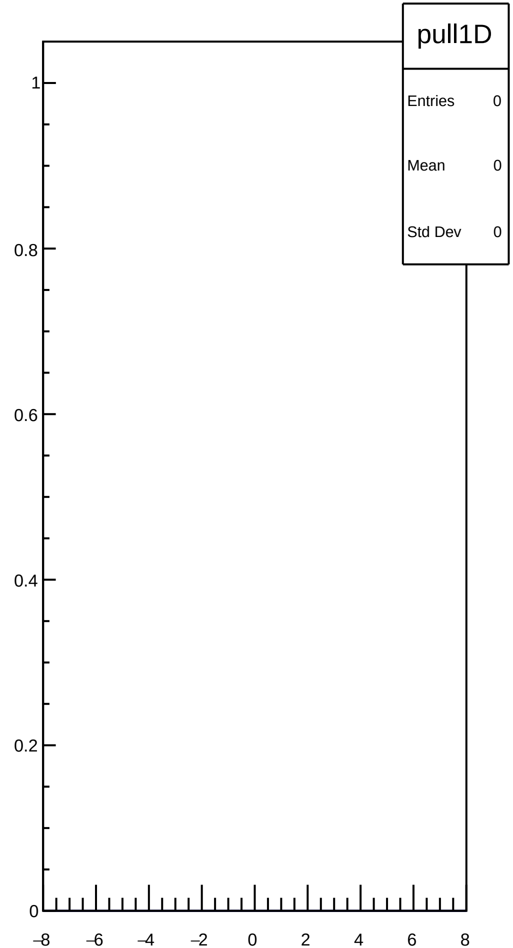


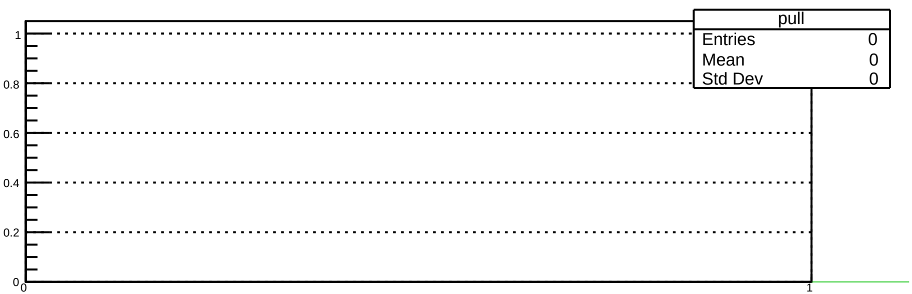
dit_sam8_4aY_slope vs run
χ^2 / ndf 1.042e−23 / 79
p0 −49.76 ± 0.03082
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.609e−13
Std Dev 2.58e−20

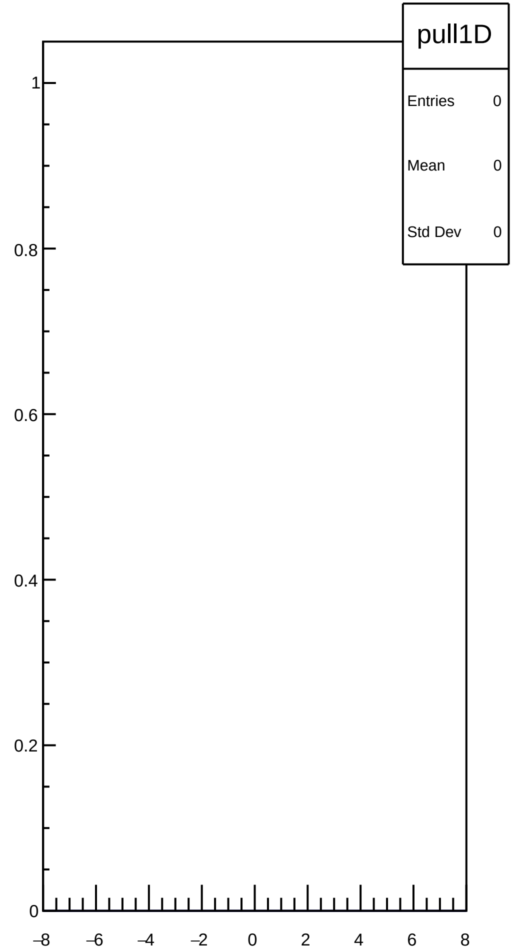


dit_sam8_4eY_slope vs run
χ2 / ndf 1.207e−25 / 79
p0 53.05 ± 0.06136
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean 3.884e−14
Std Dev 1.467e−21


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


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


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


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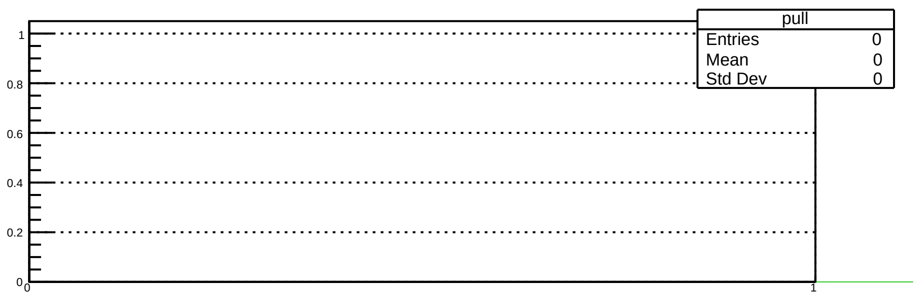
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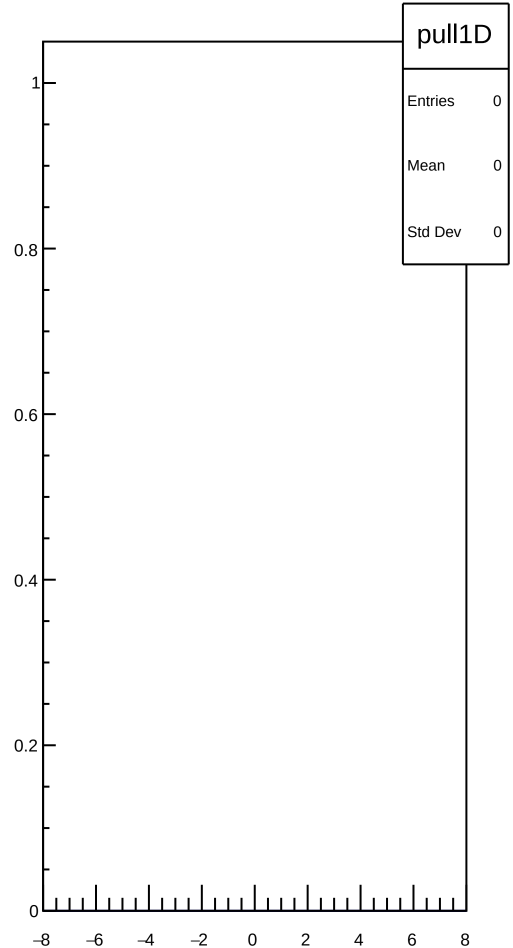
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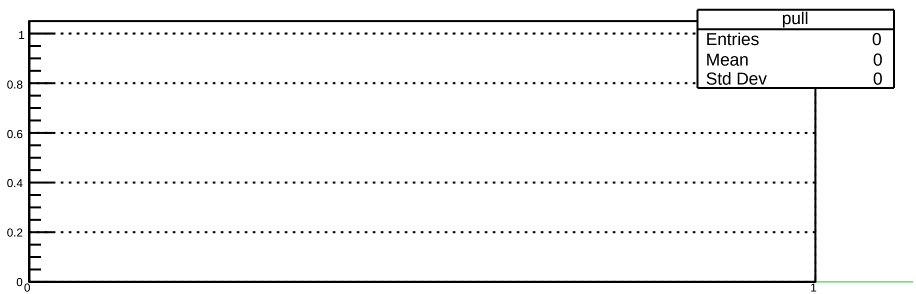

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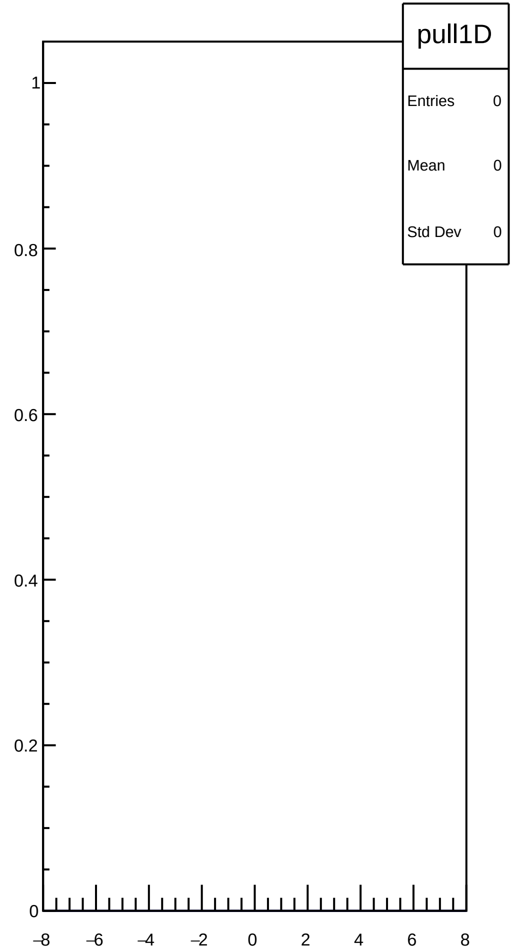

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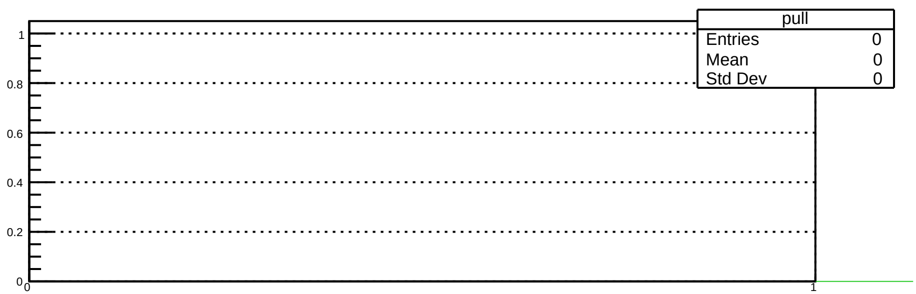
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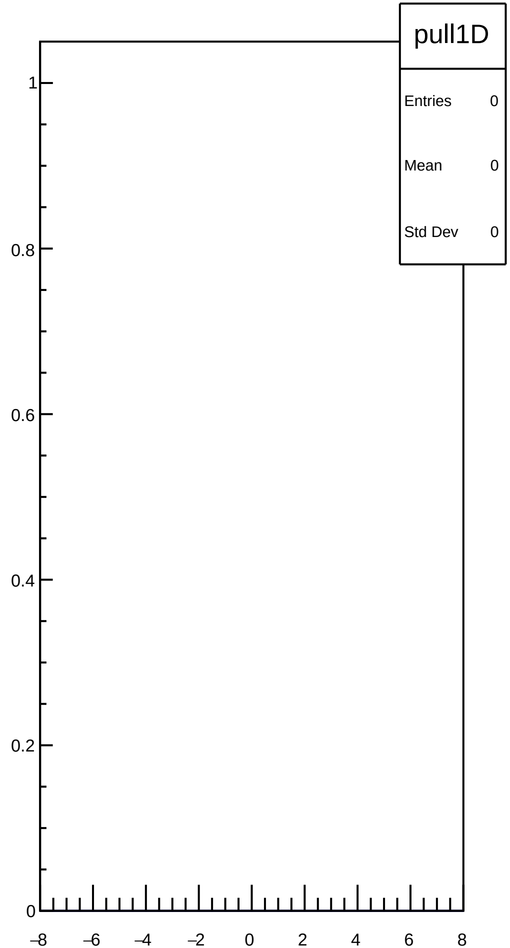
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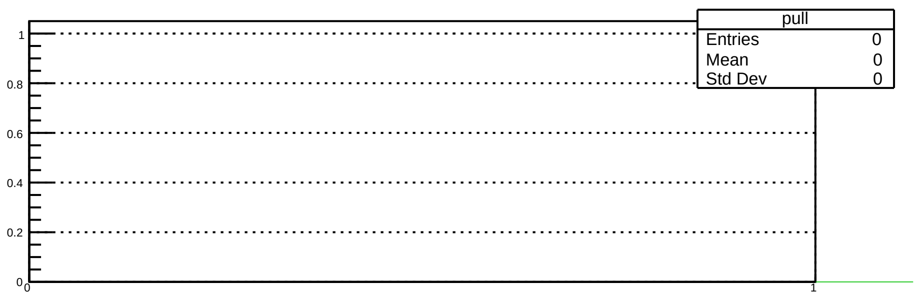
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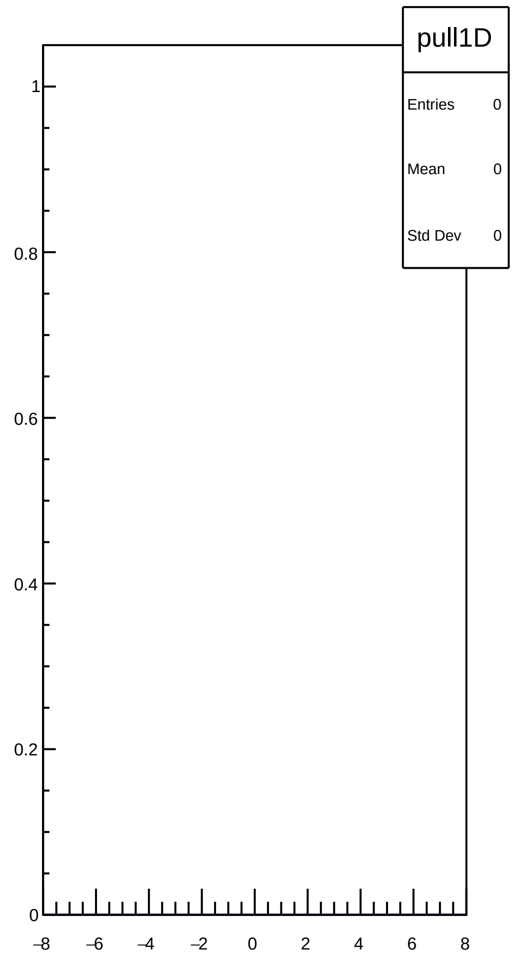
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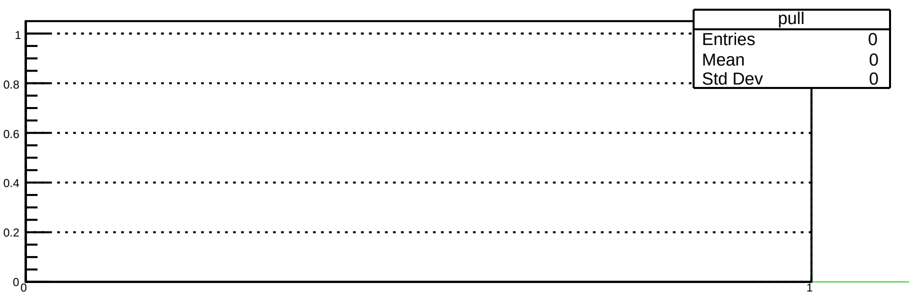
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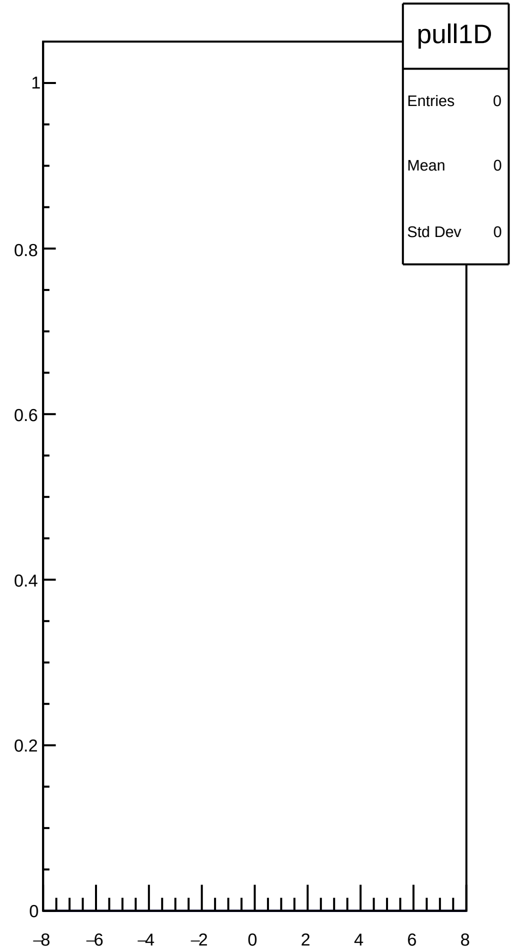
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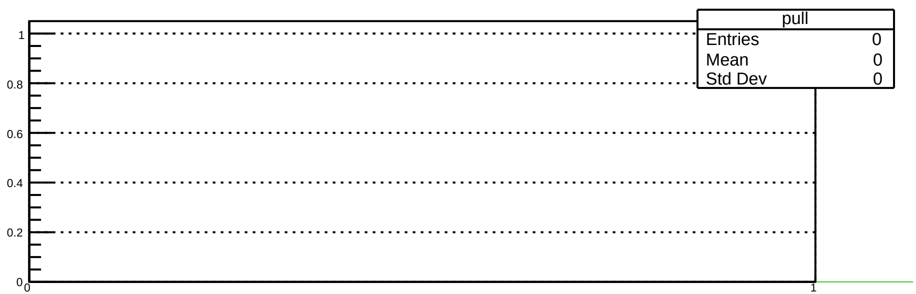

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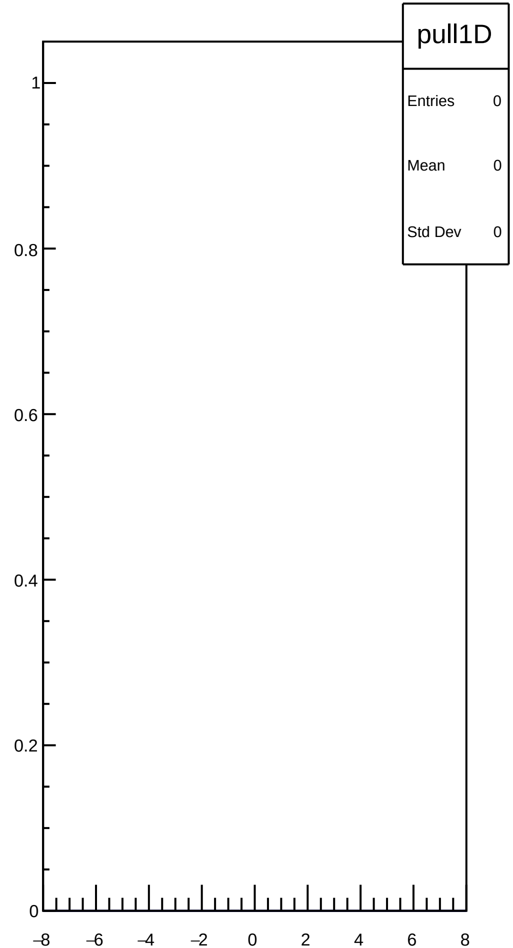

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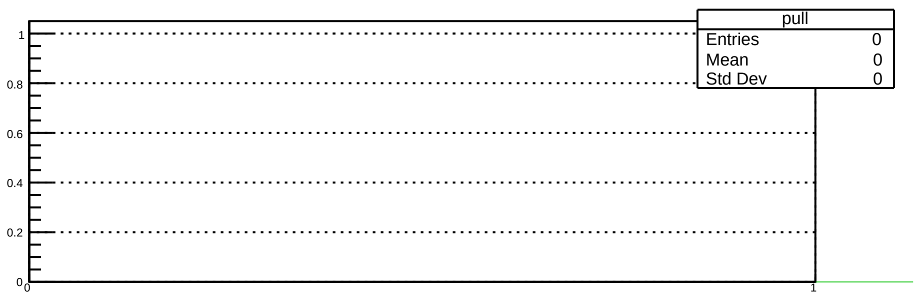
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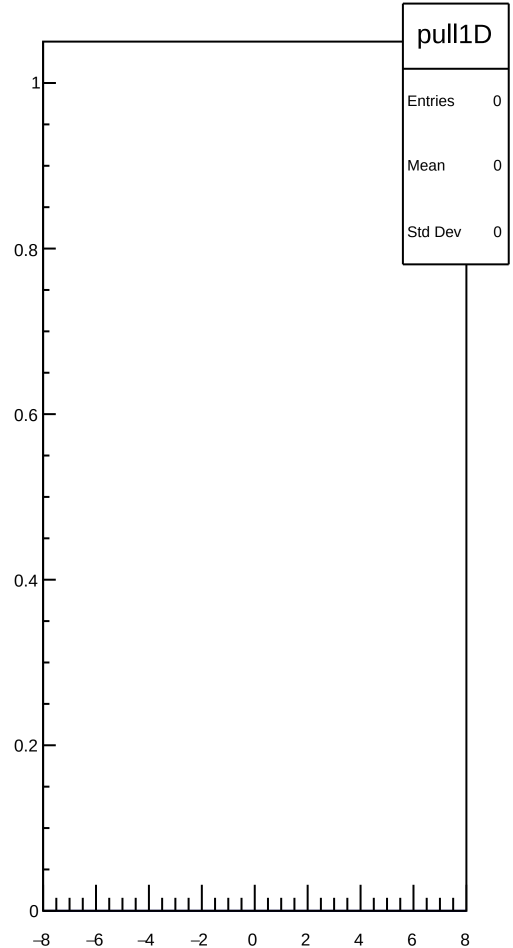
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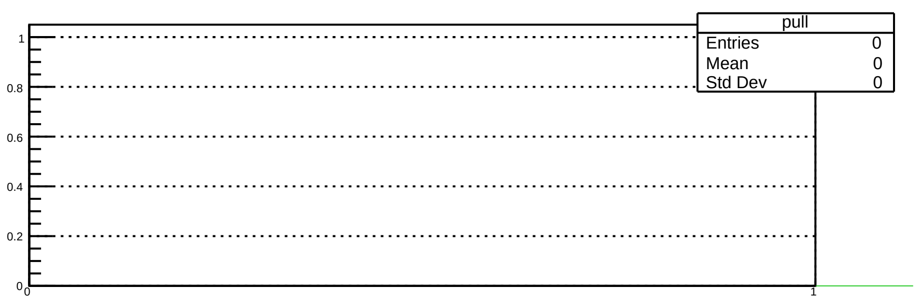
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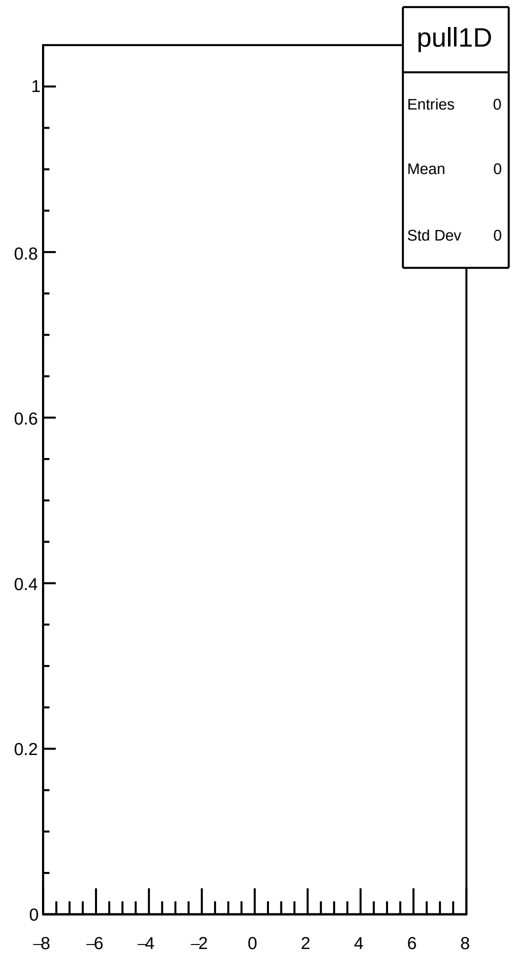
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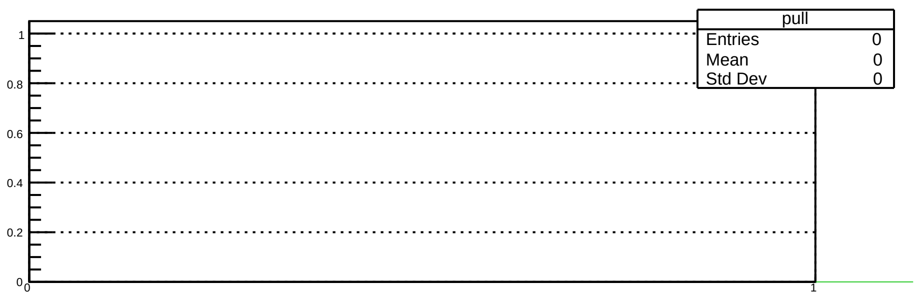
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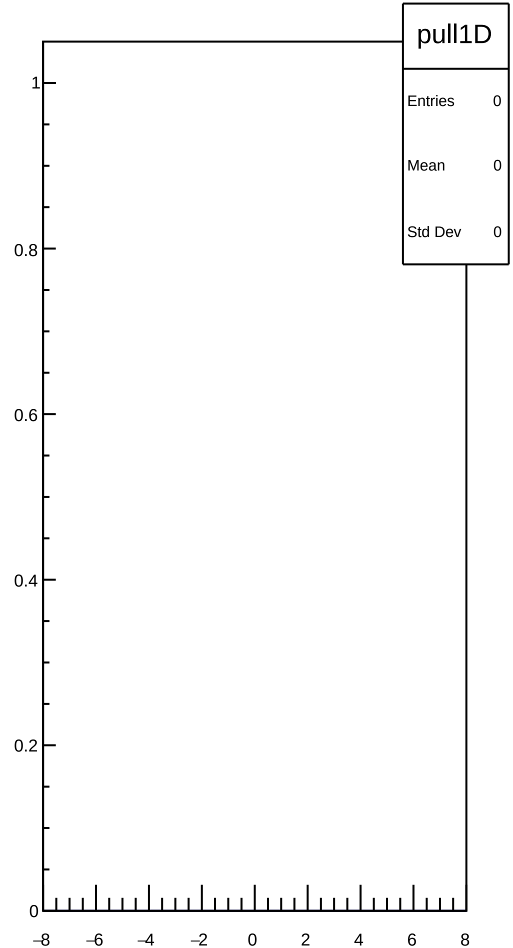
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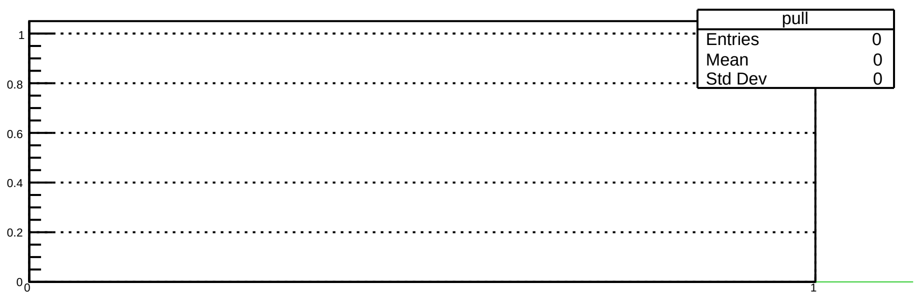

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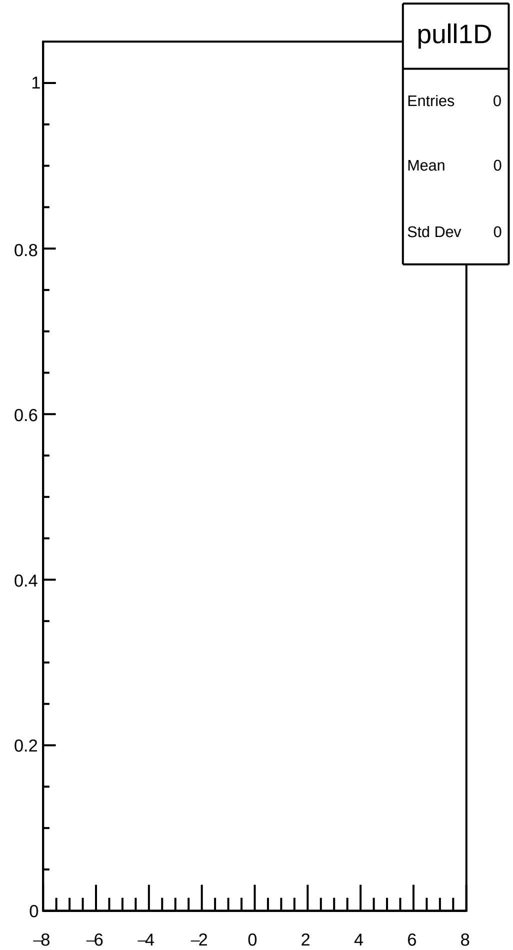

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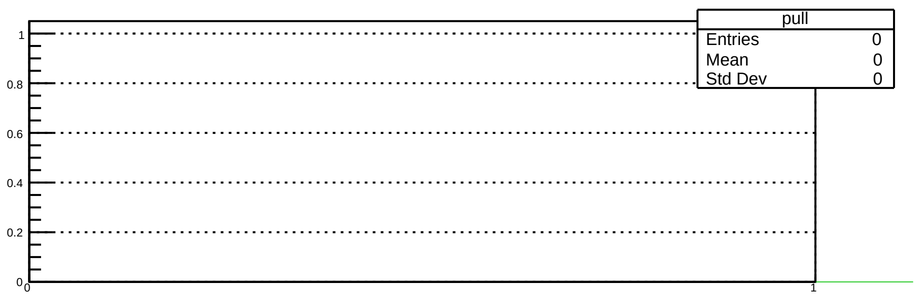

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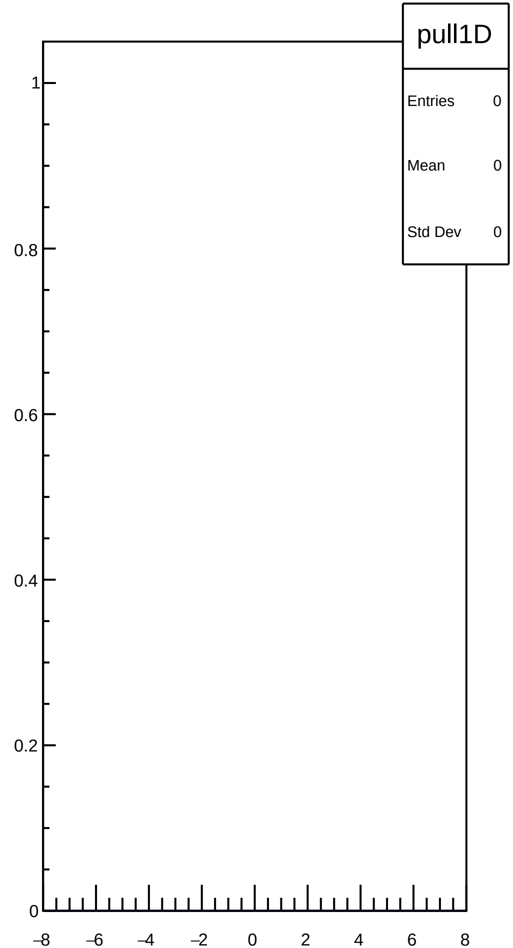

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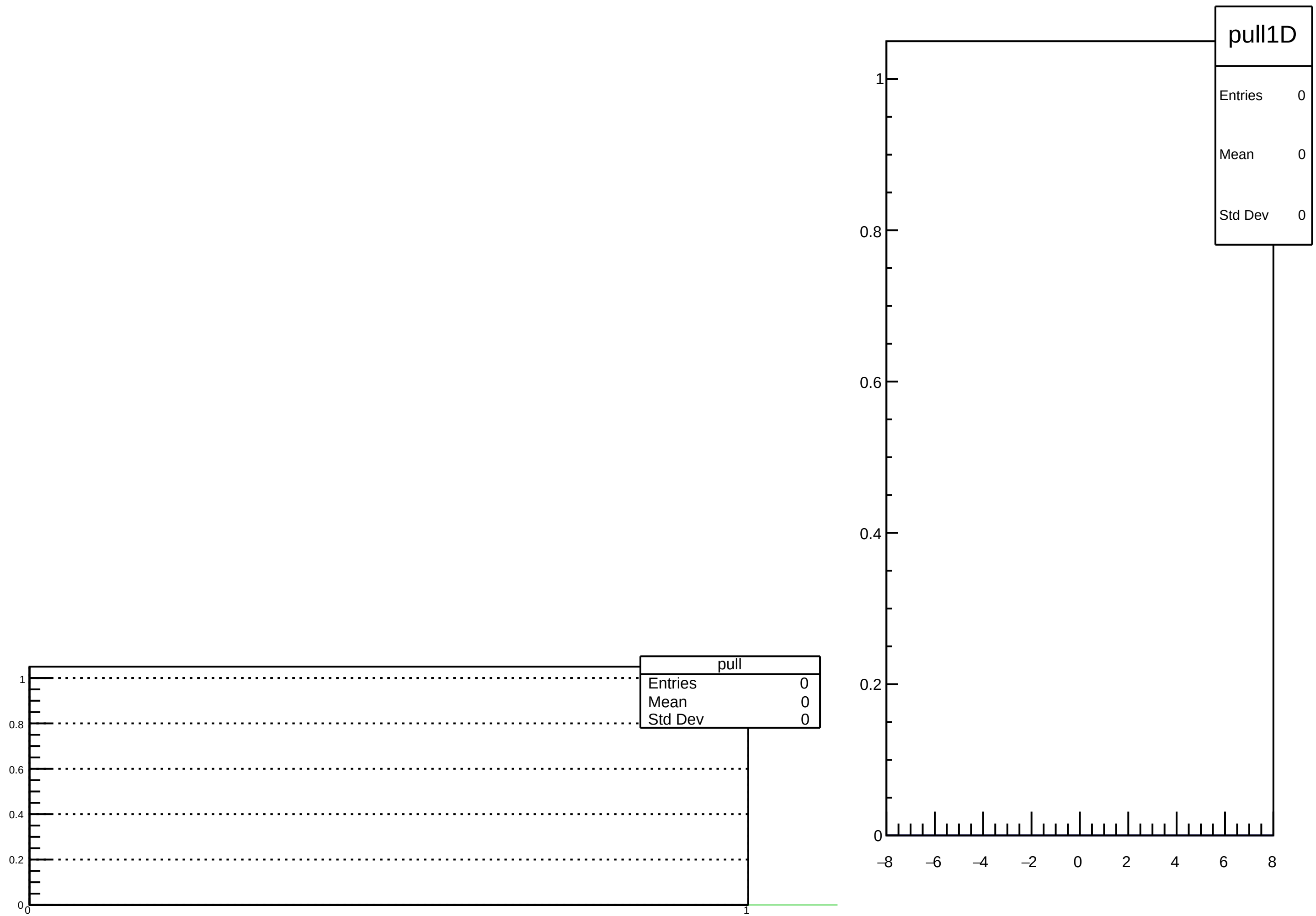

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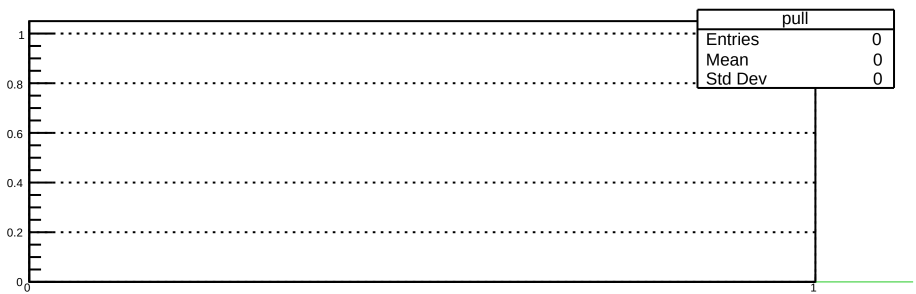
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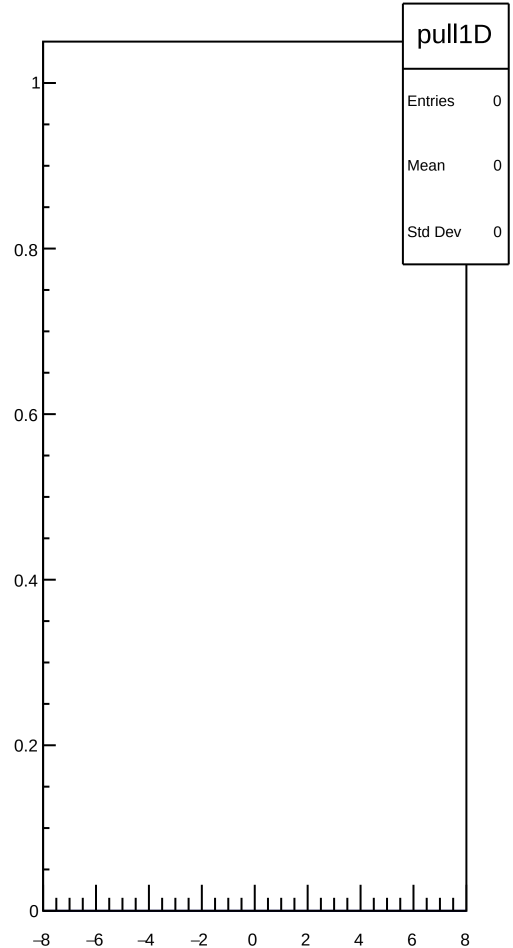
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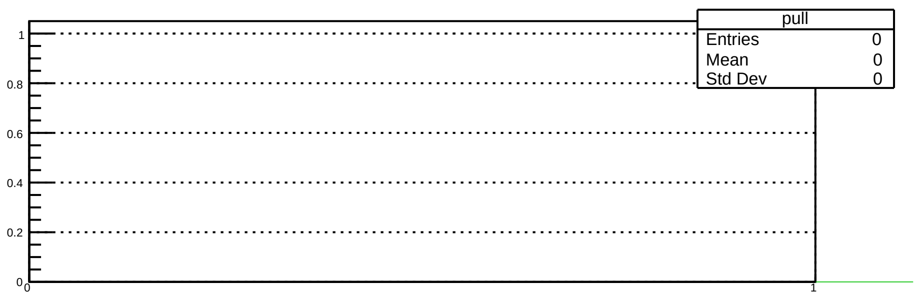
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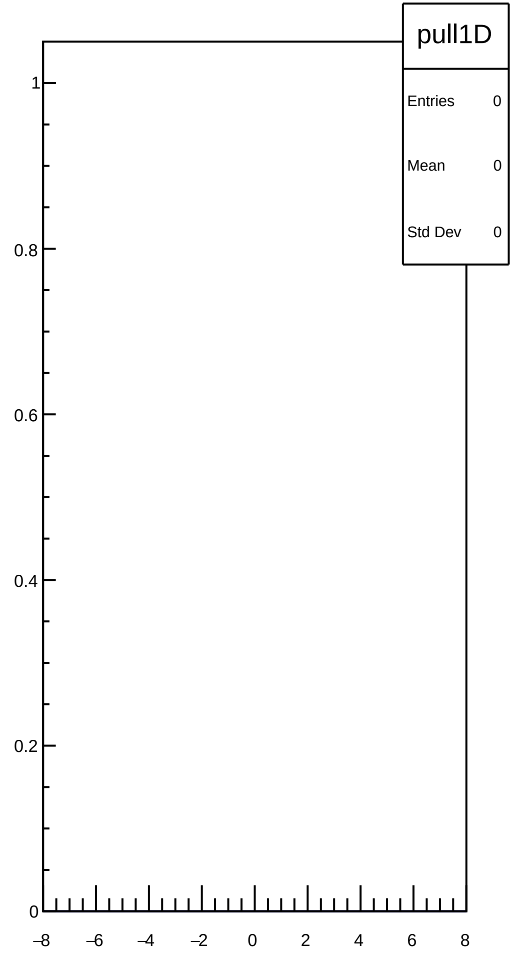
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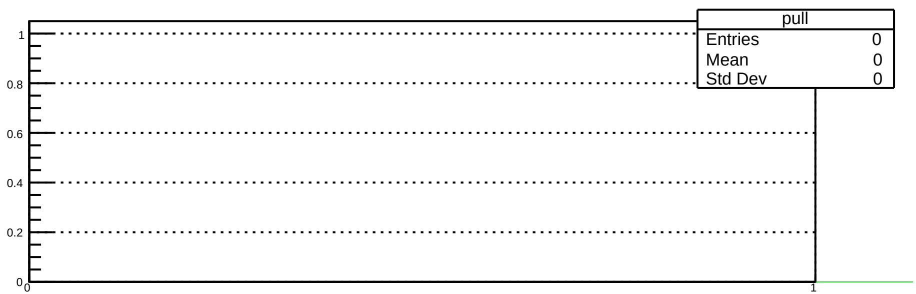
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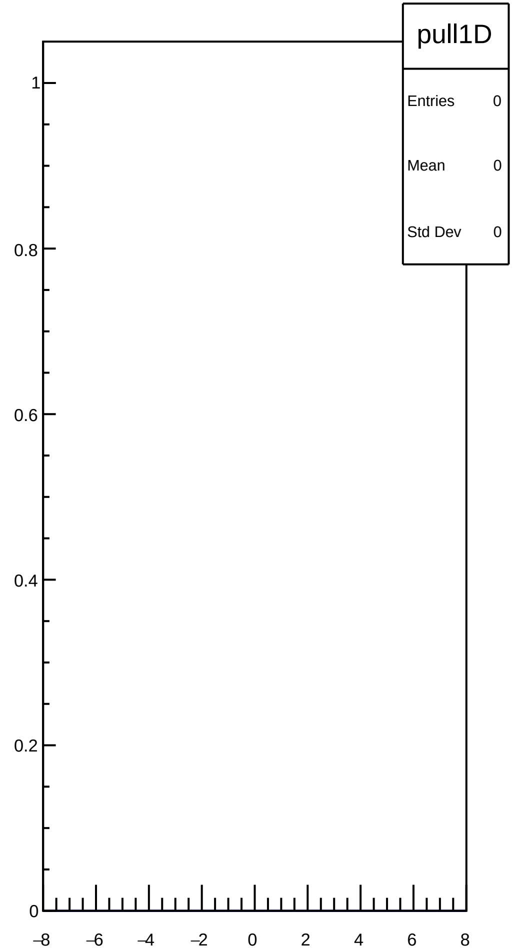
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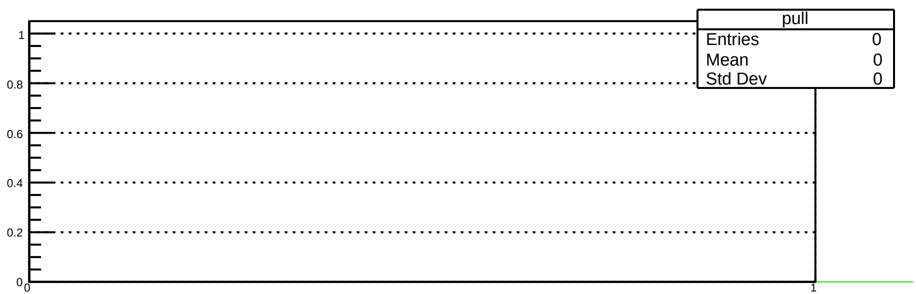
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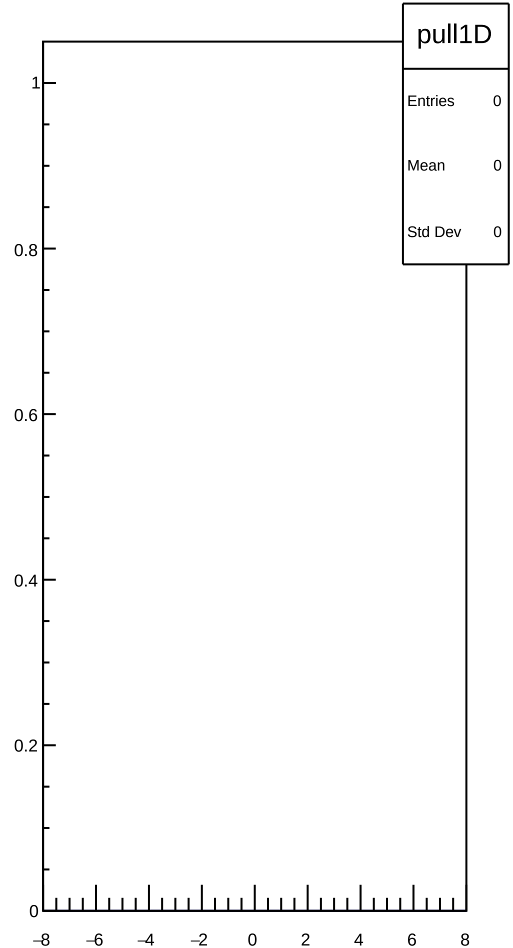
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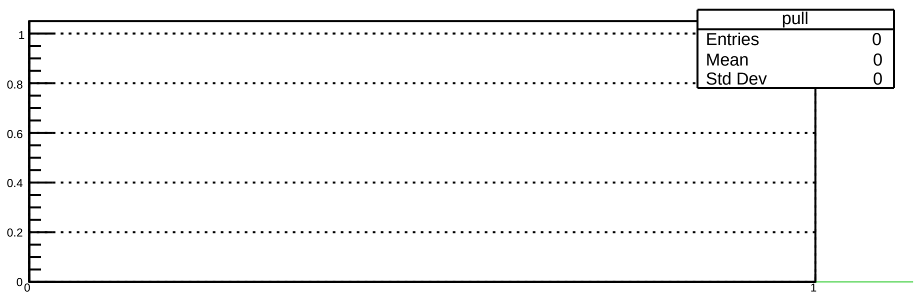
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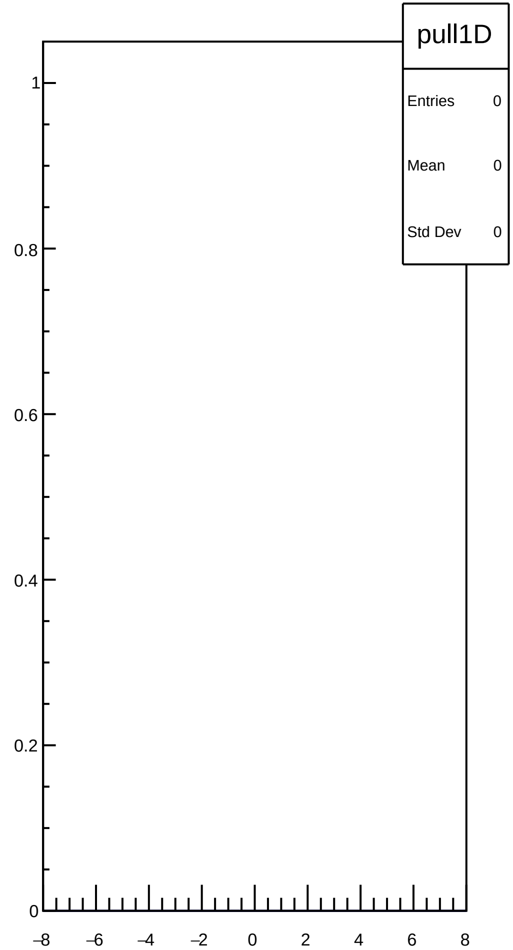
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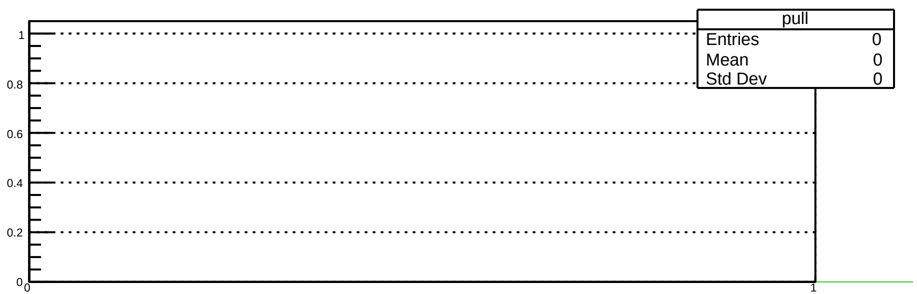
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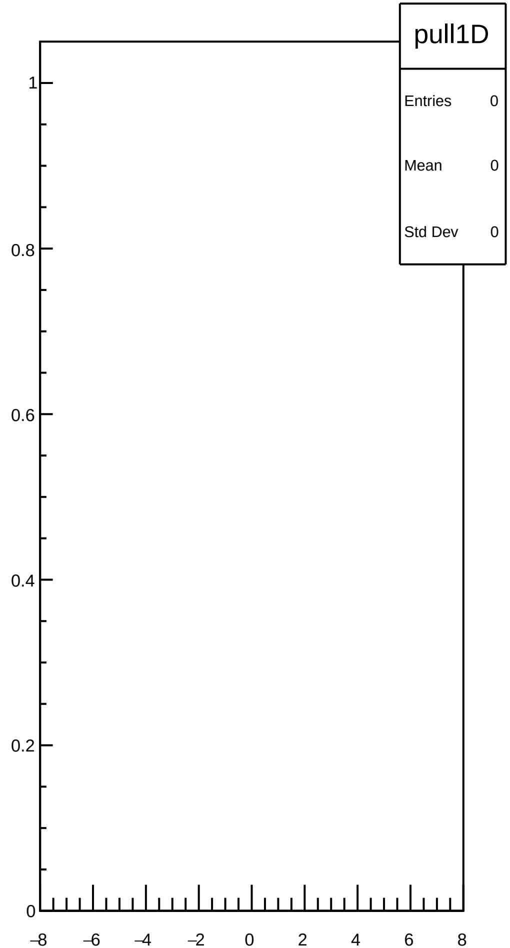
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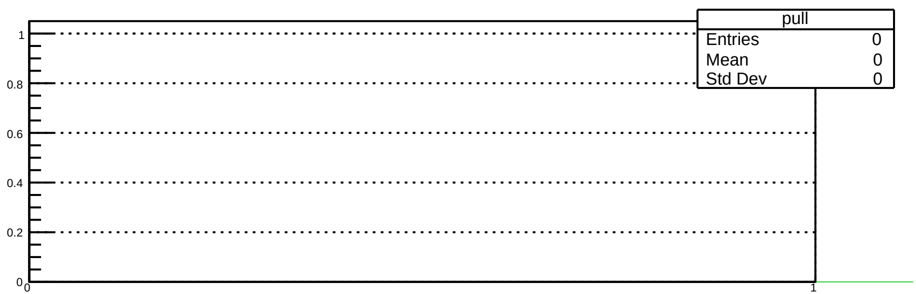
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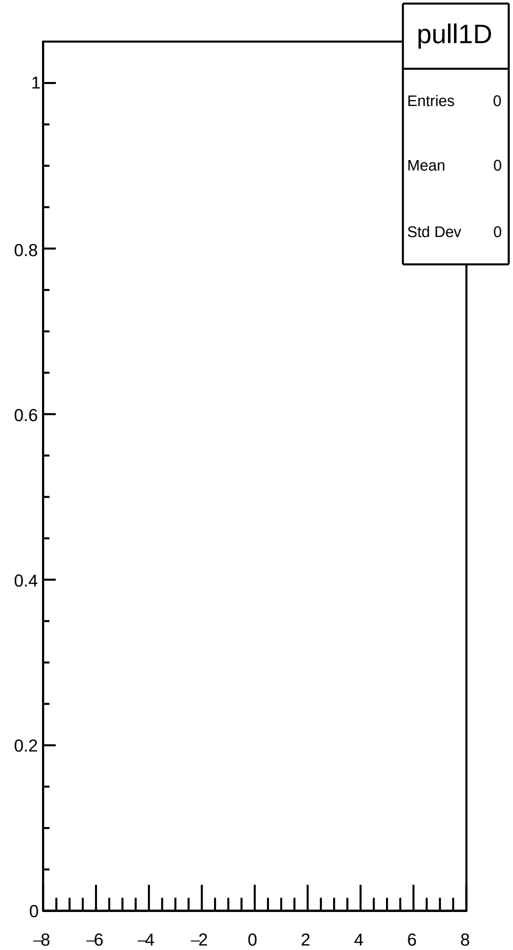
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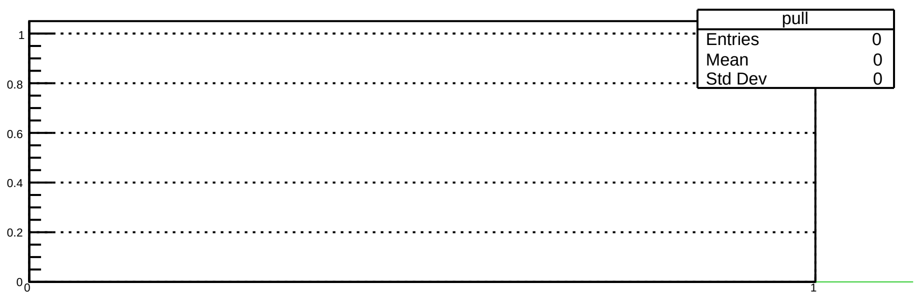
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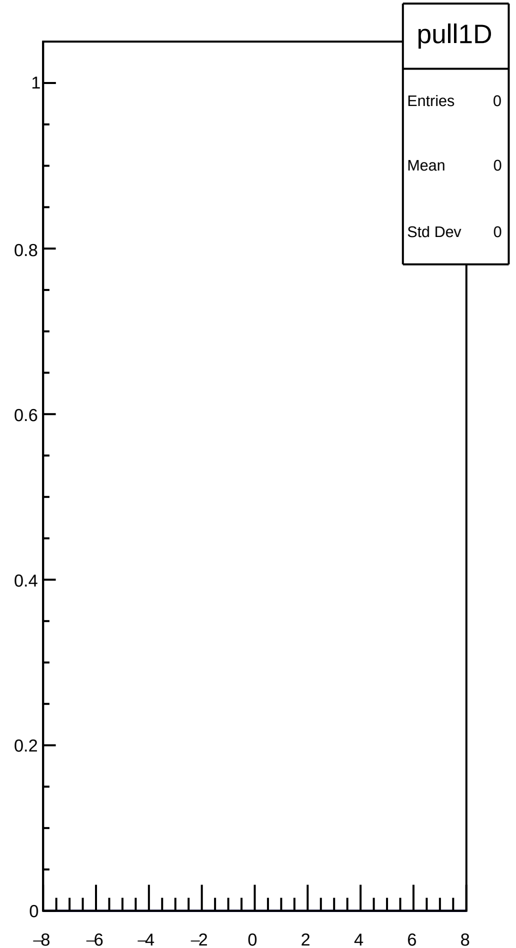
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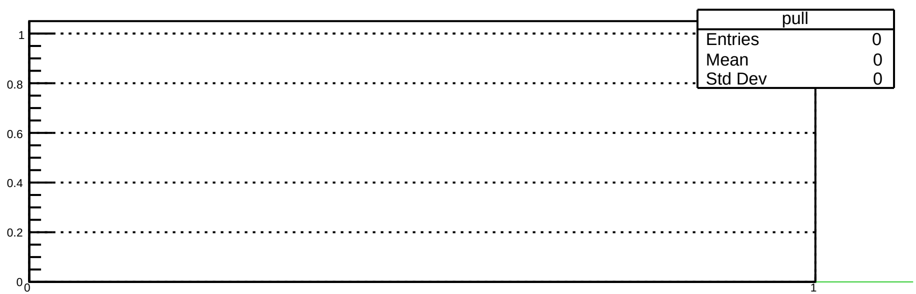
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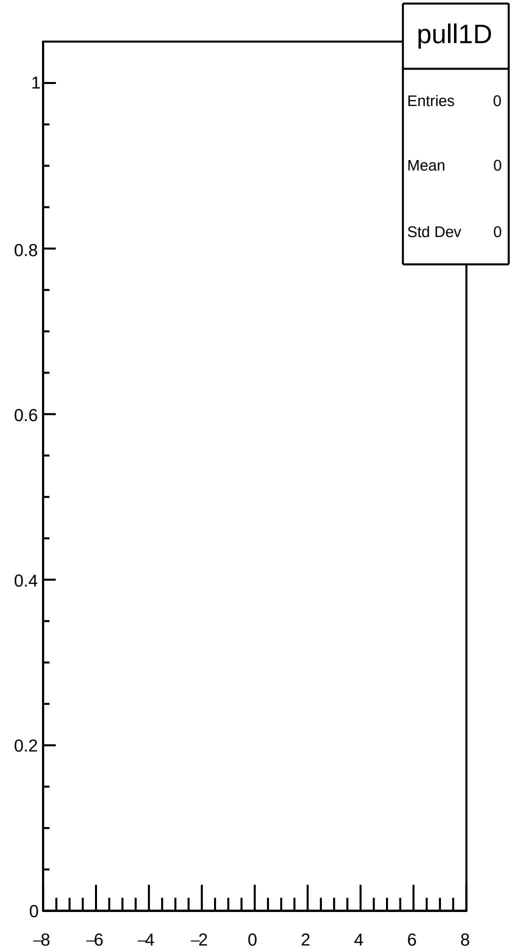
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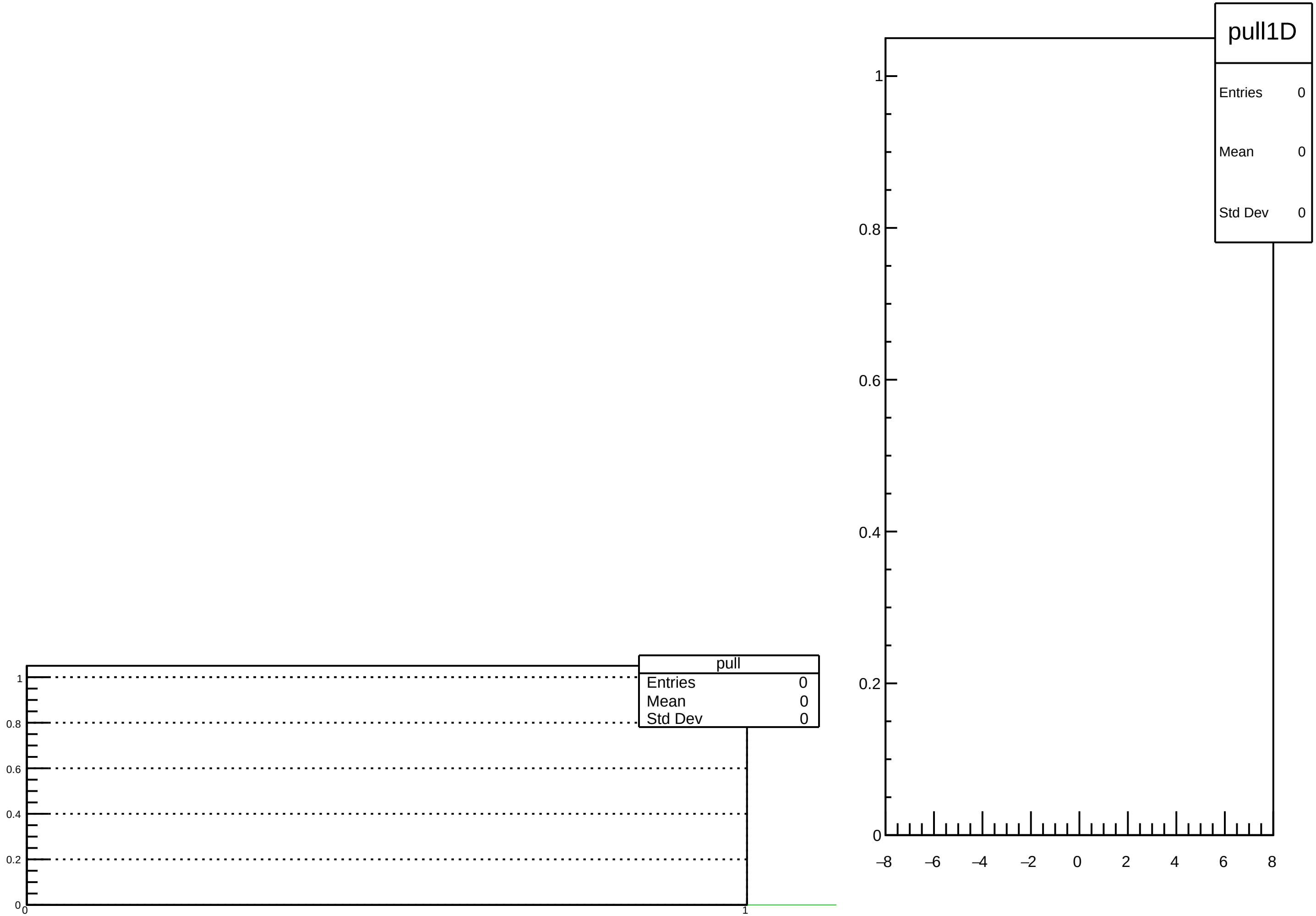

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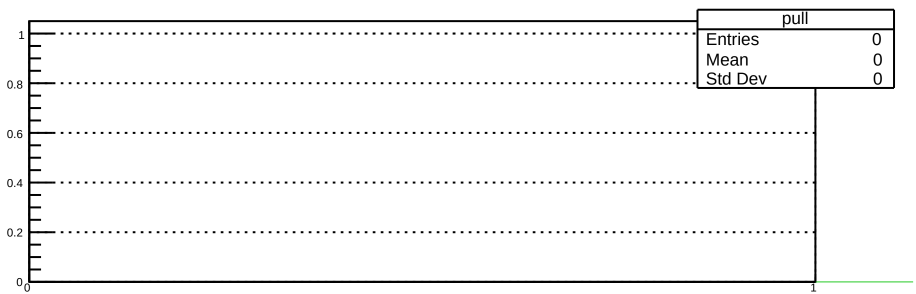

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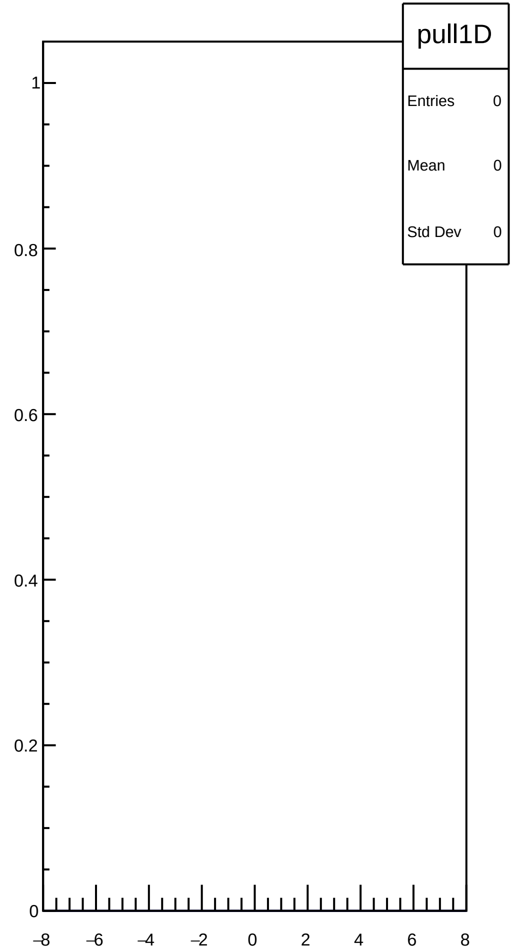

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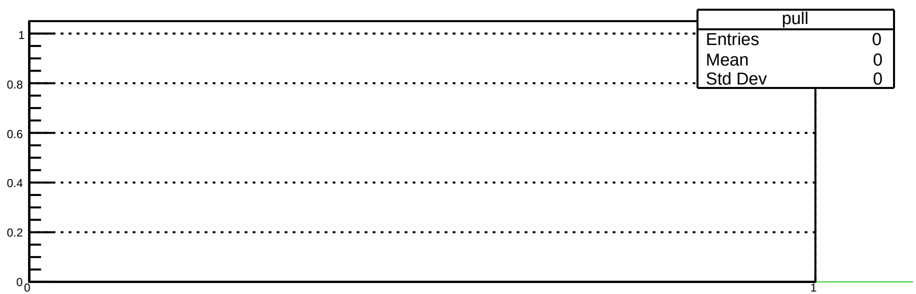

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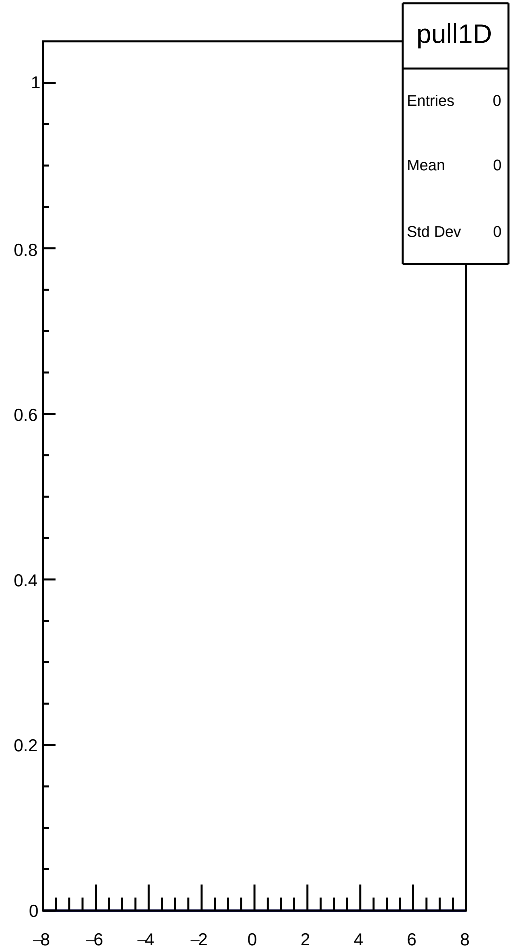

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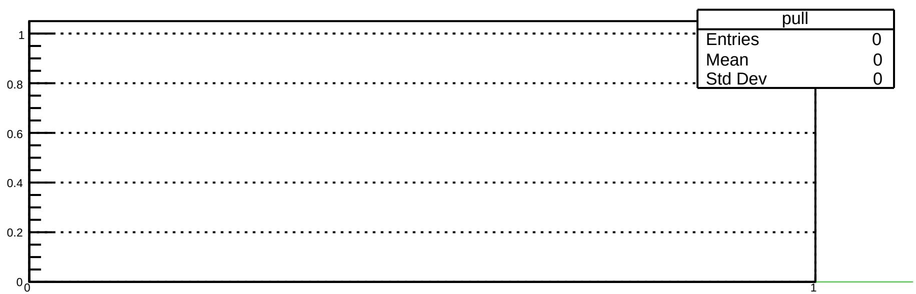
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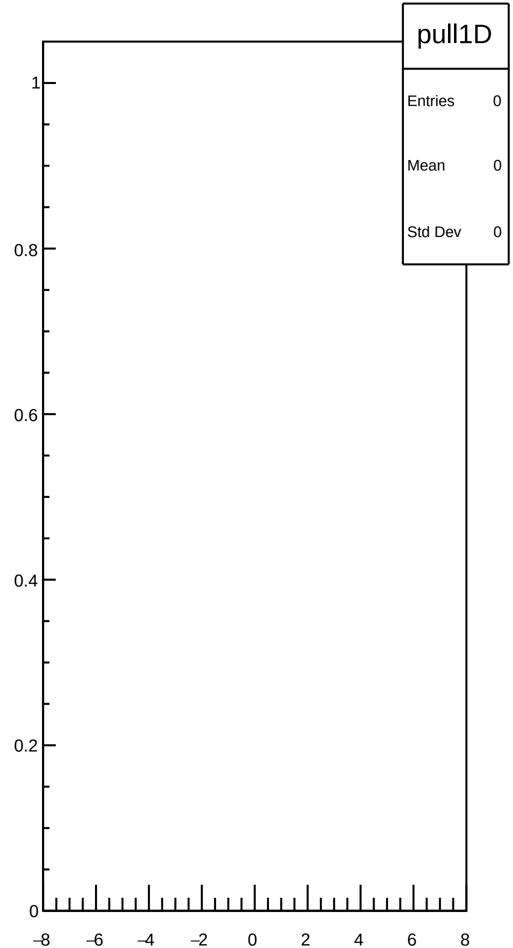
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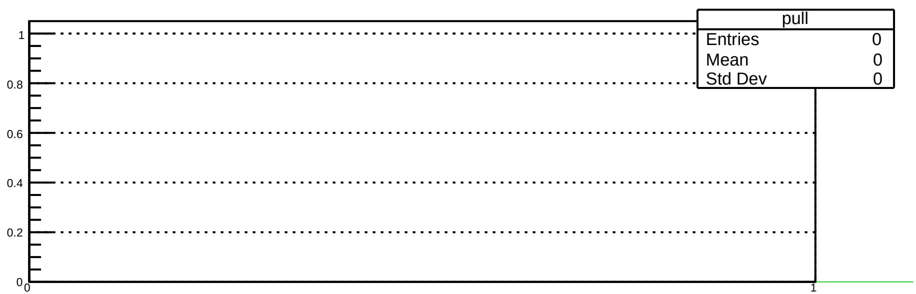

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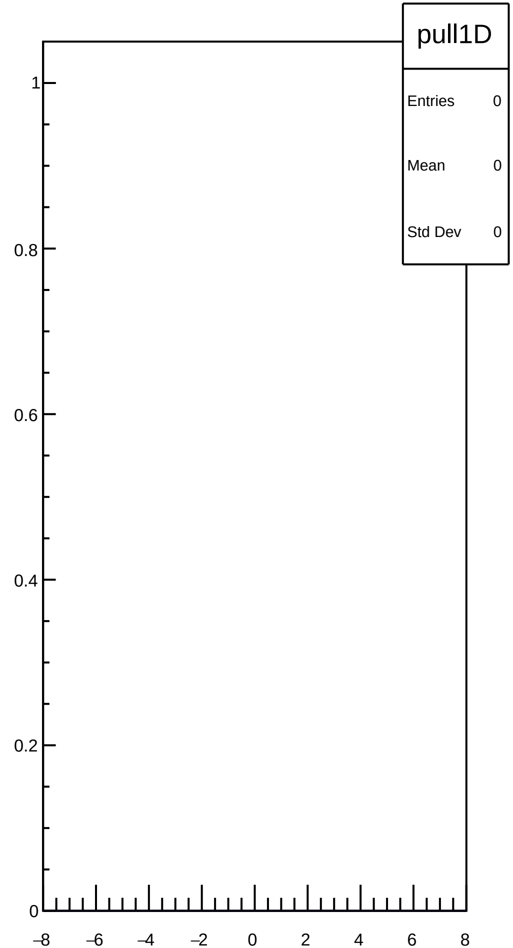

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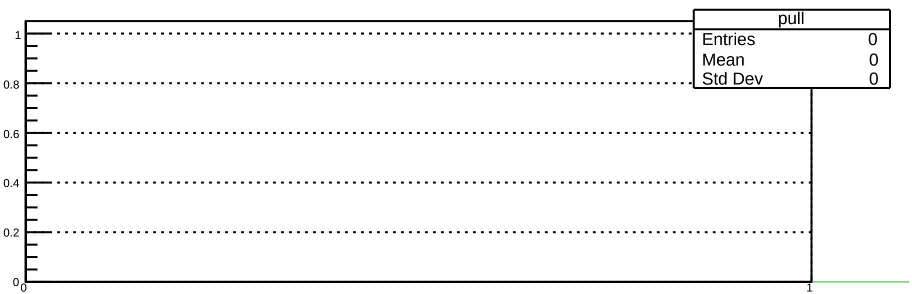

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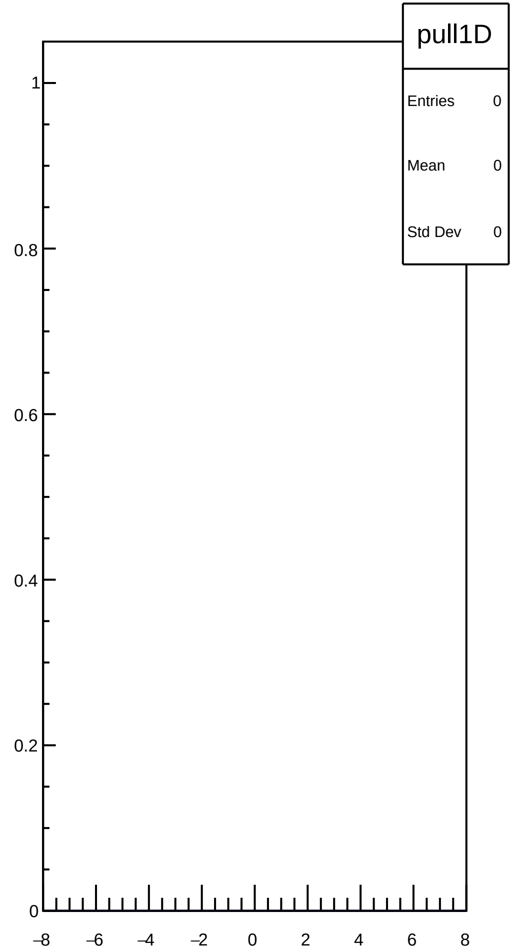

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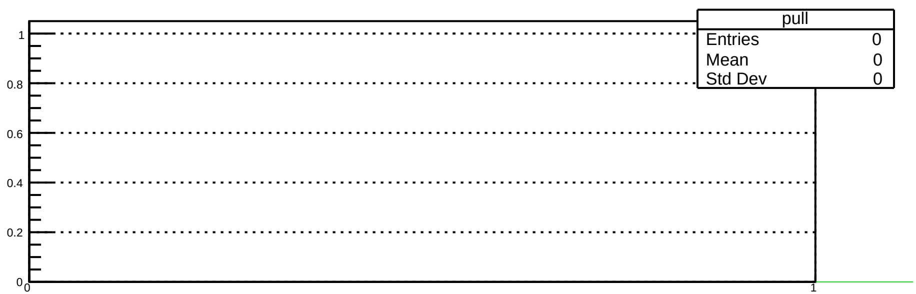
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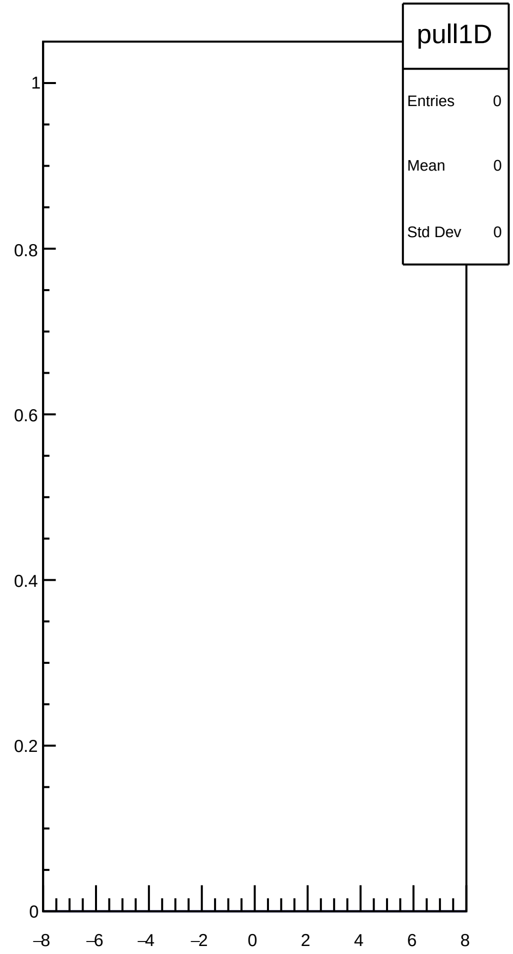
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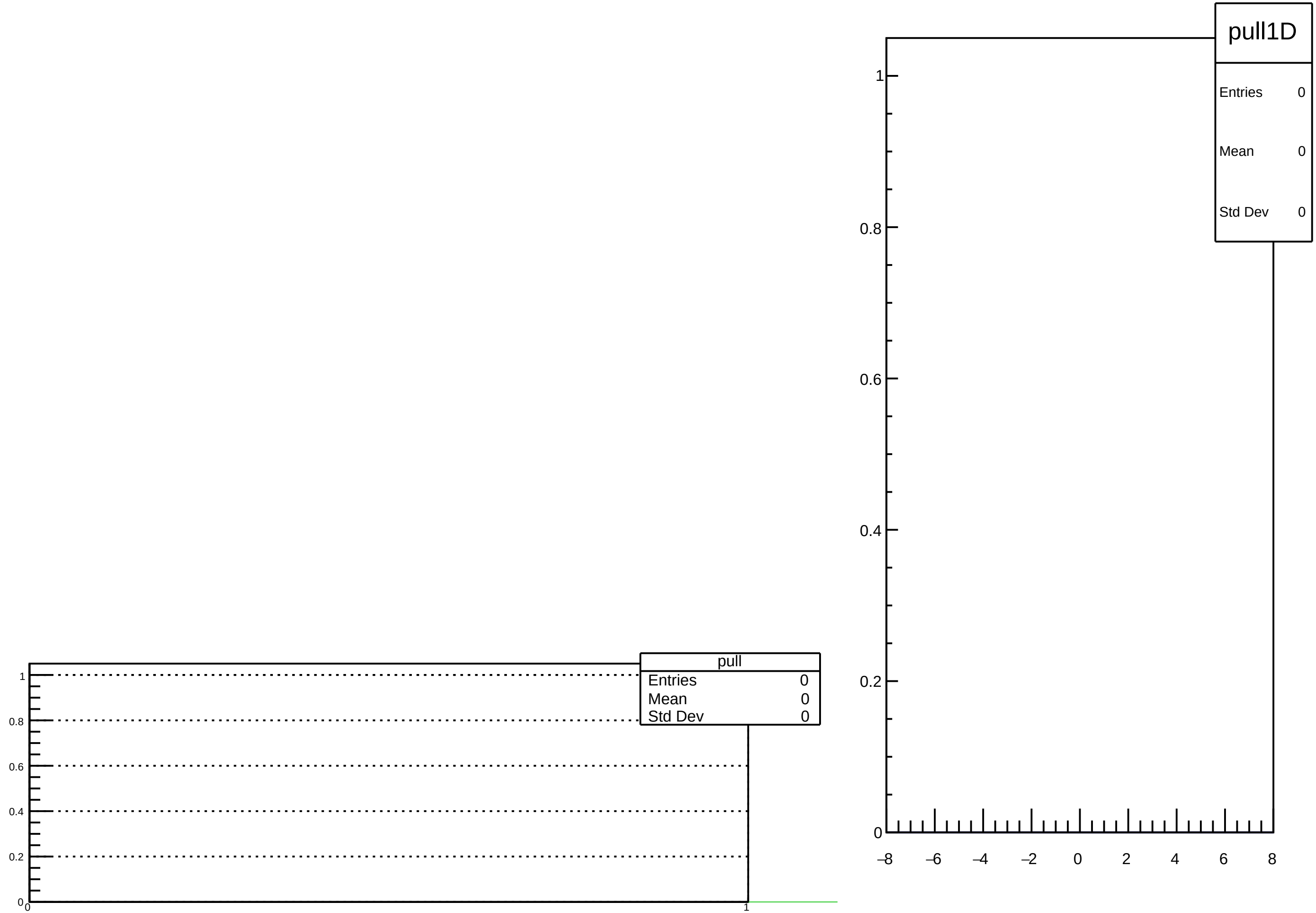

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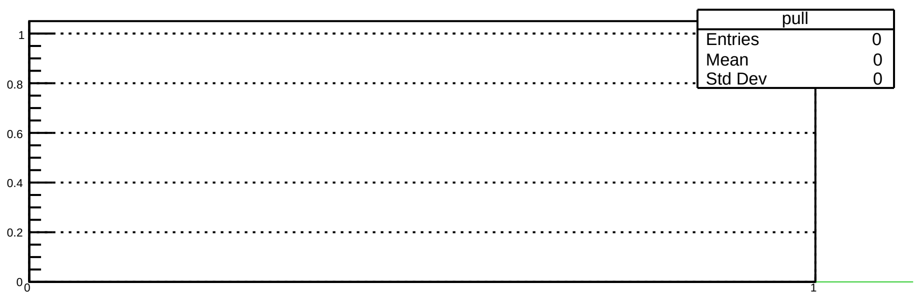
Std Dev 0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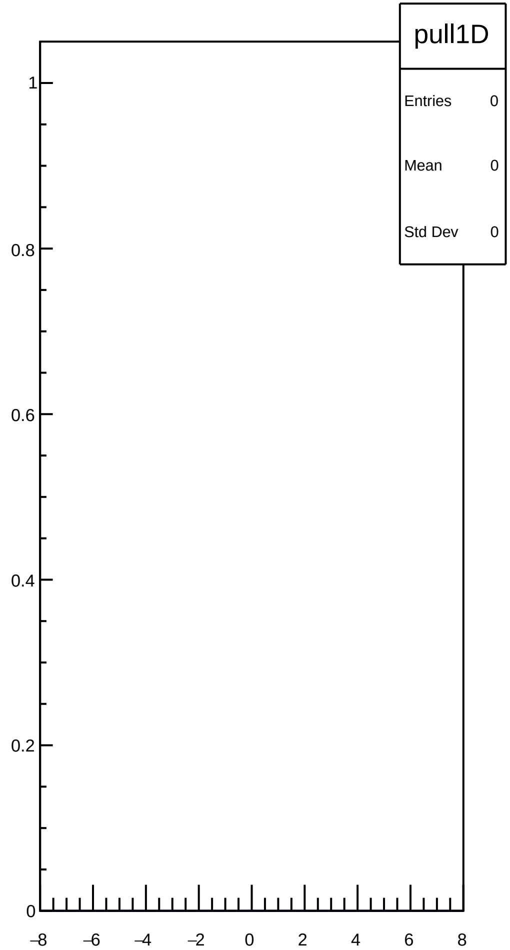
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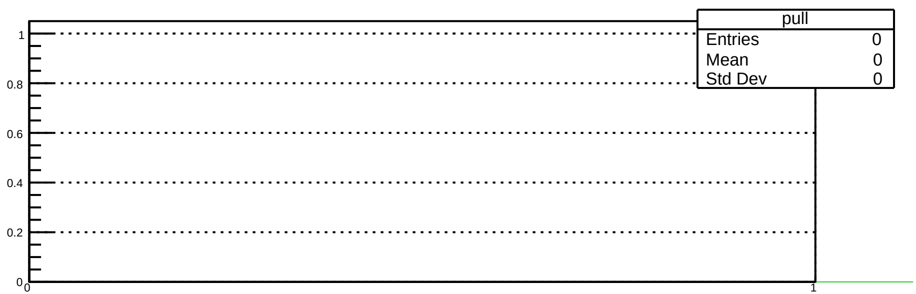
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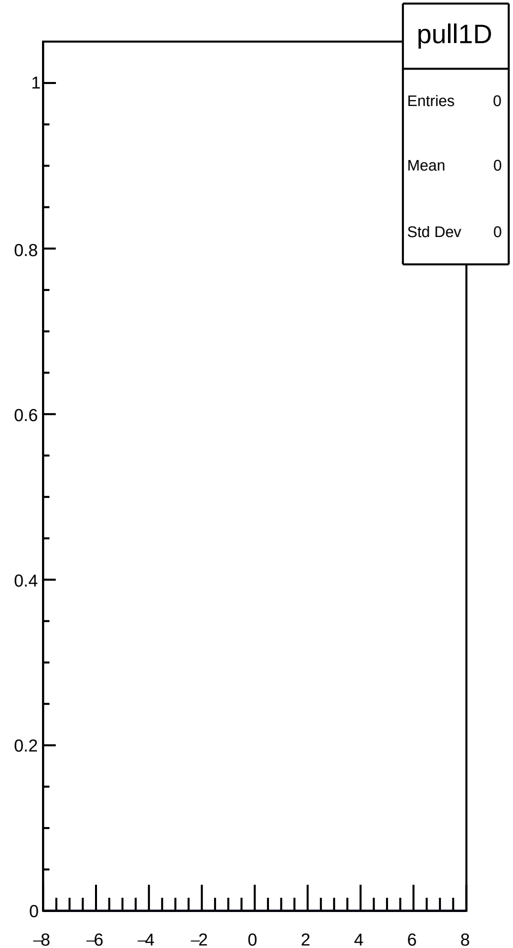
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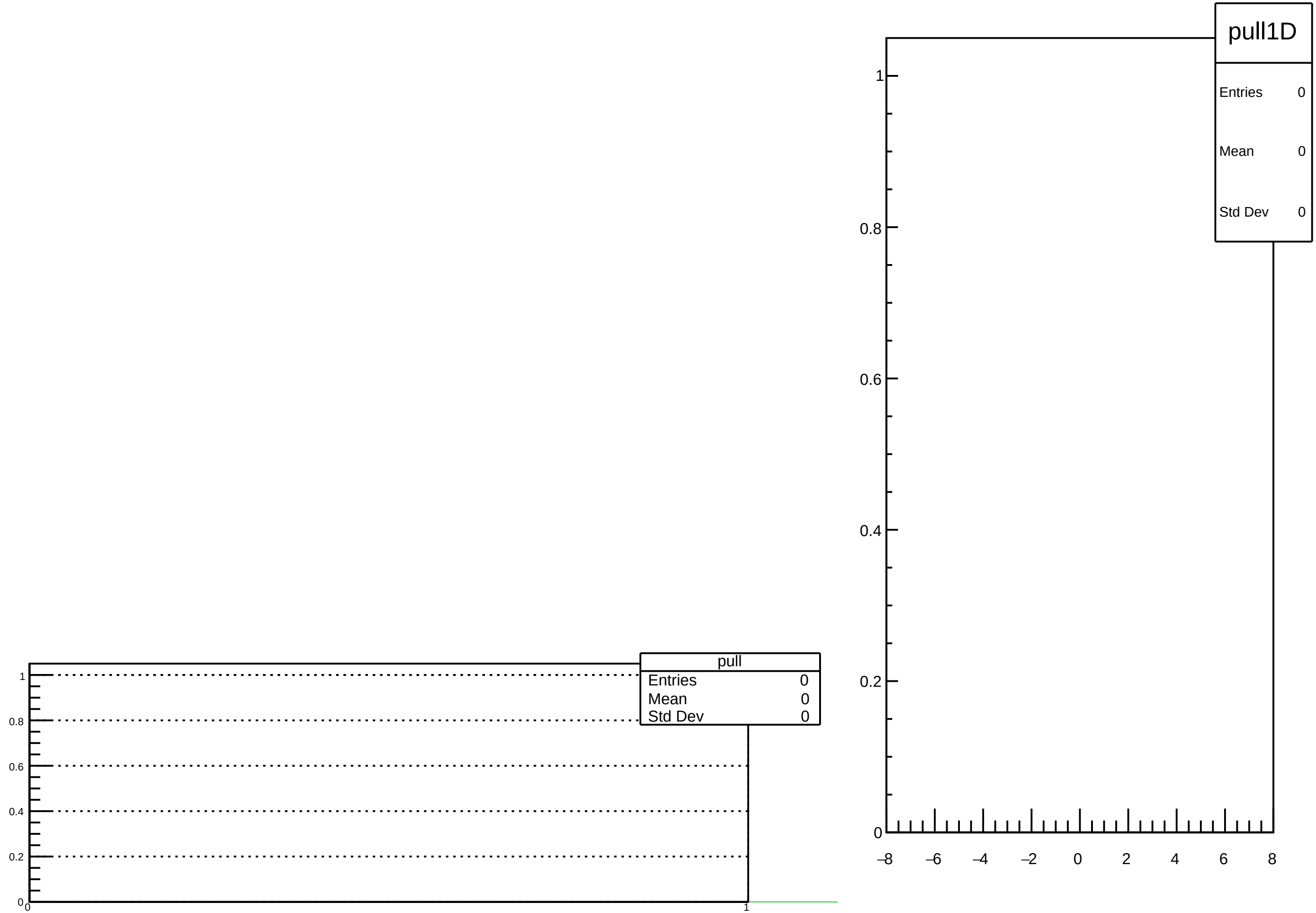

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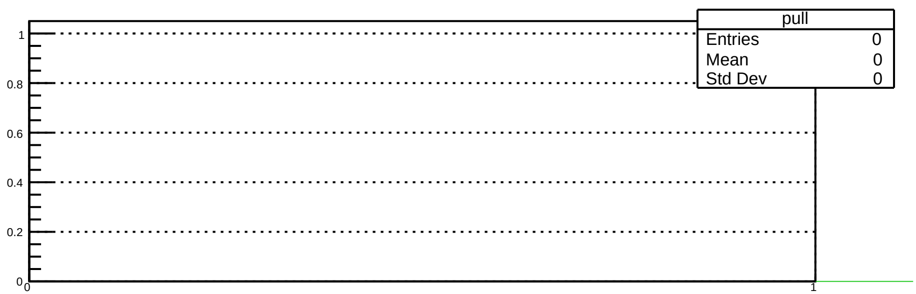
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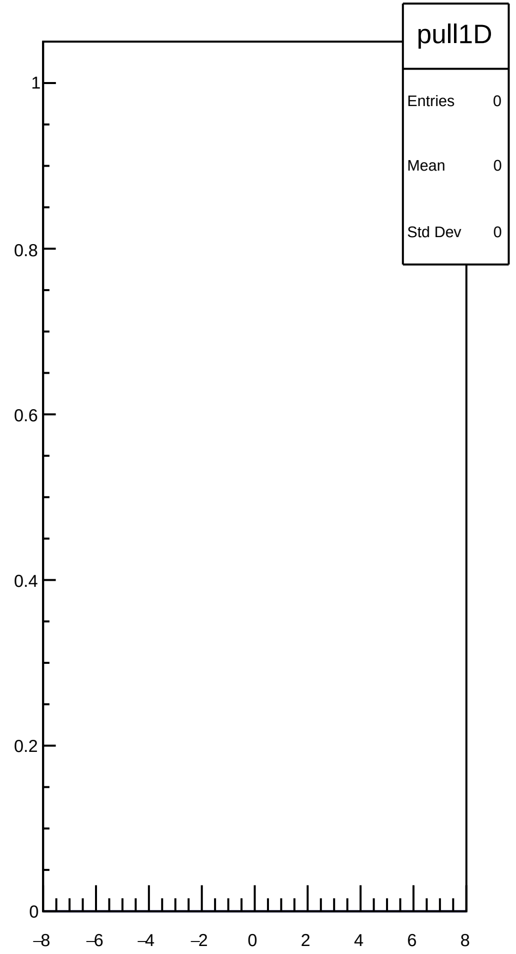
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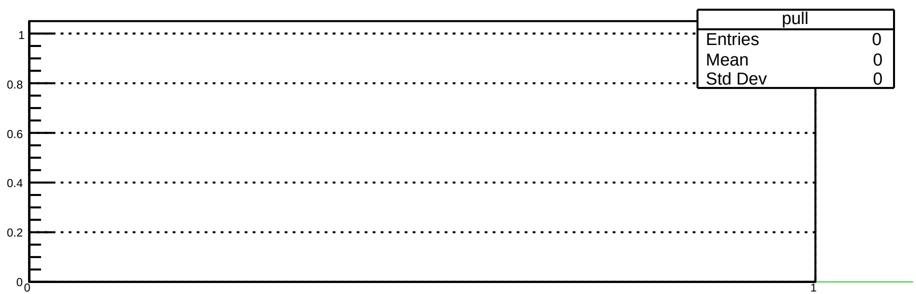
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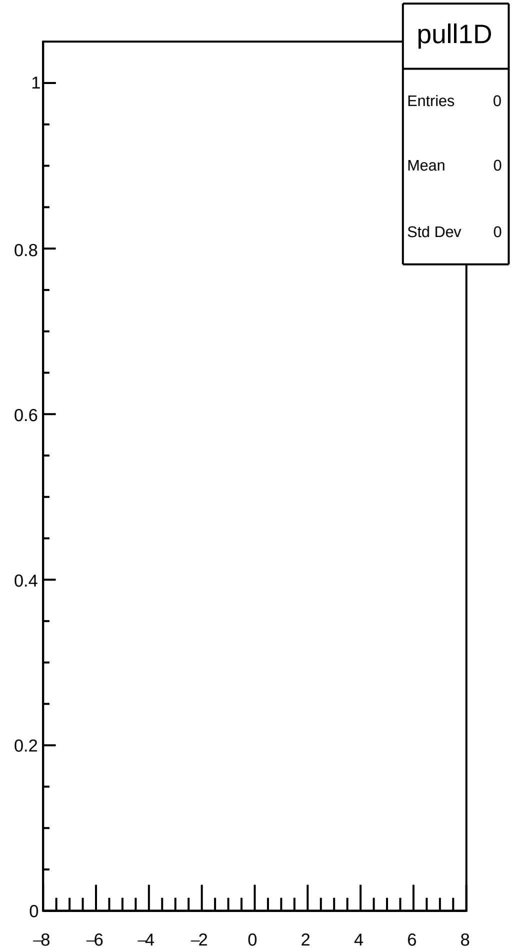
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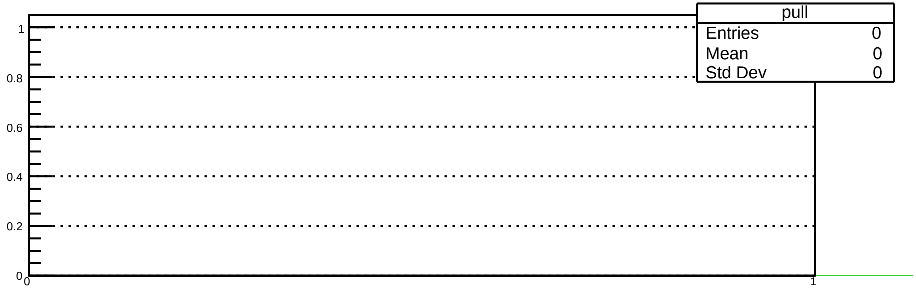

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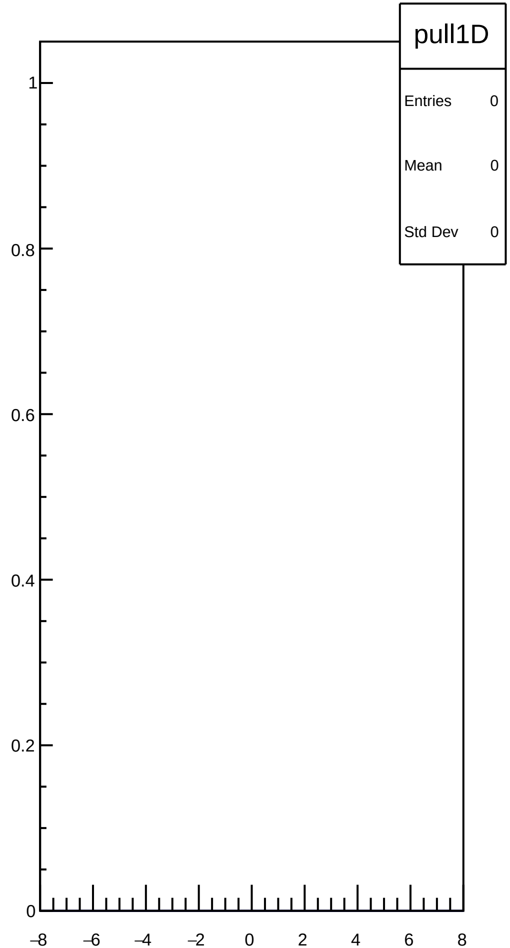

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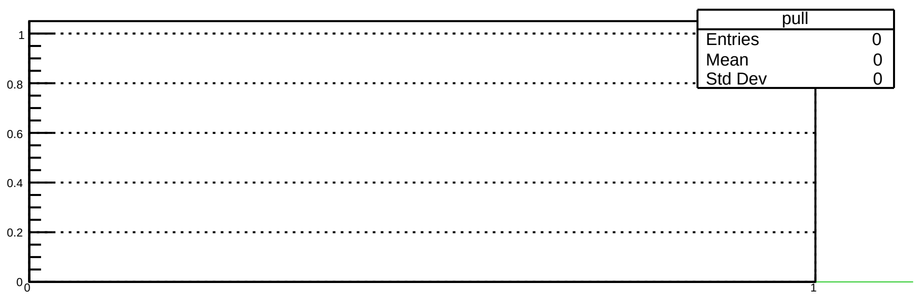
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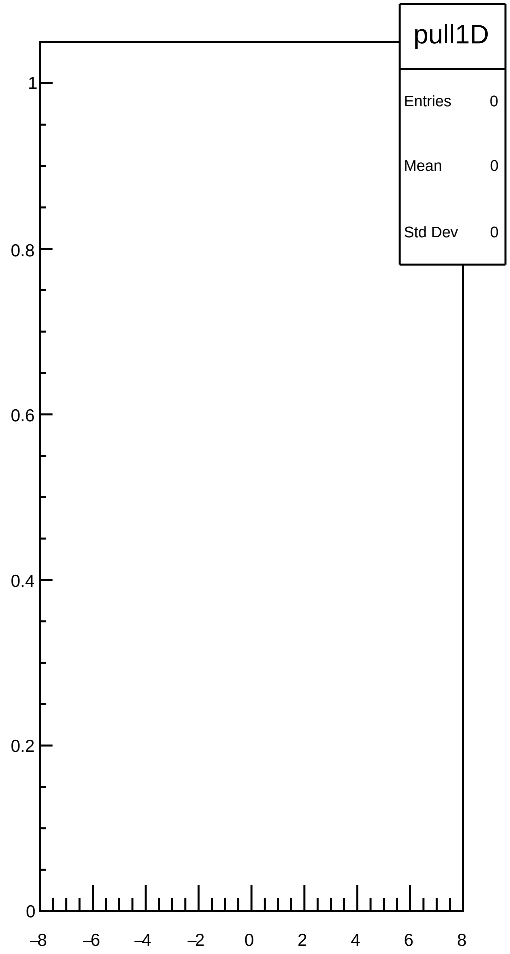
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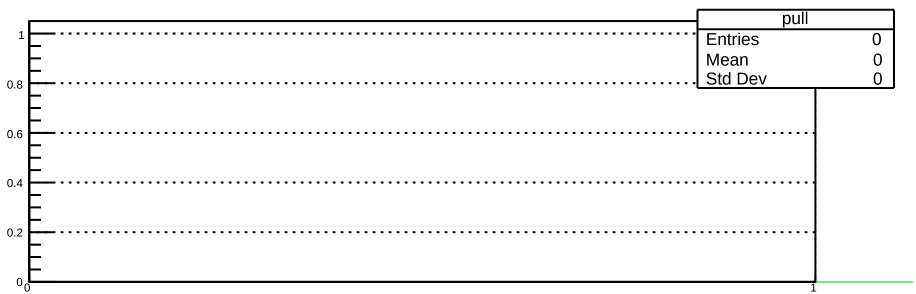
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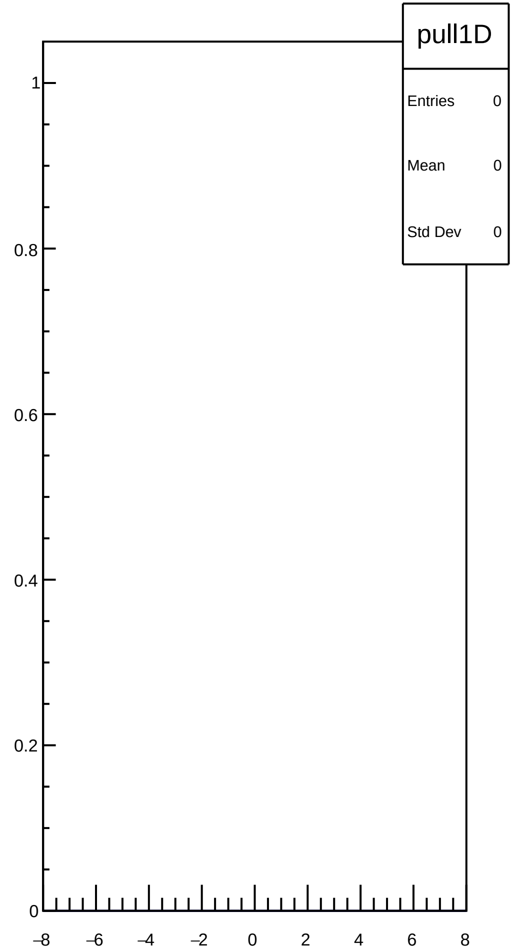
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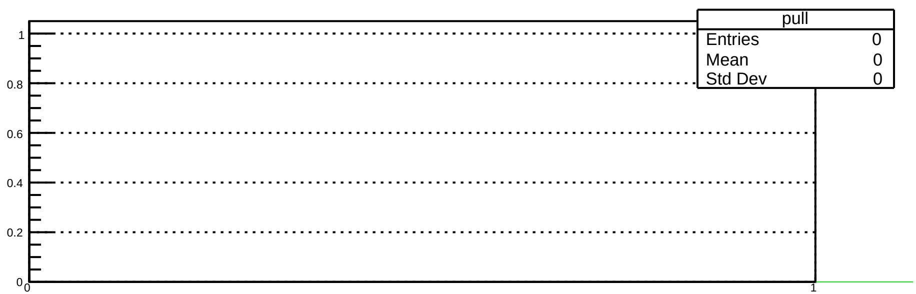
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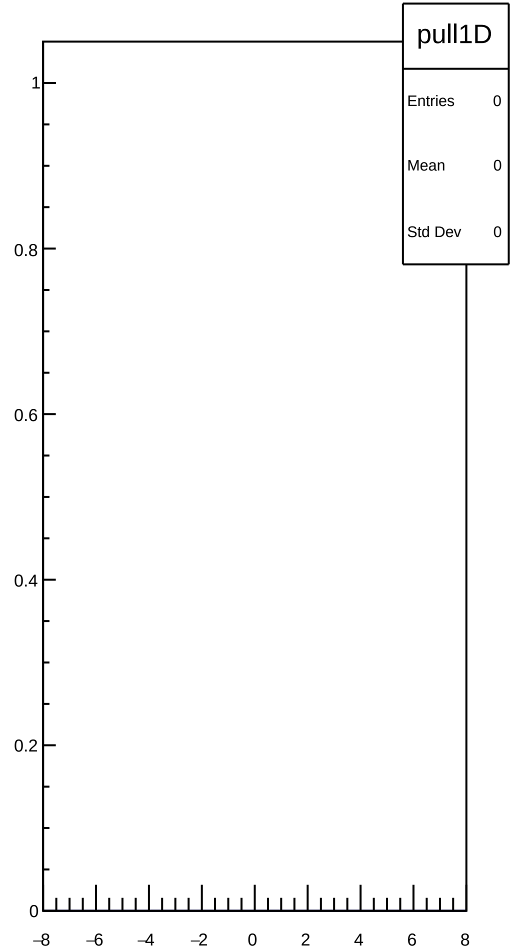
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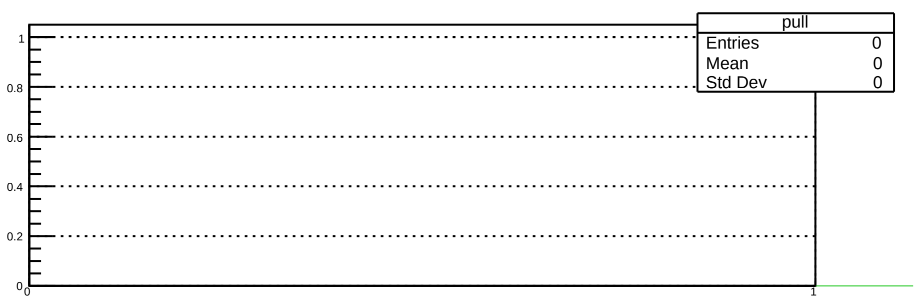
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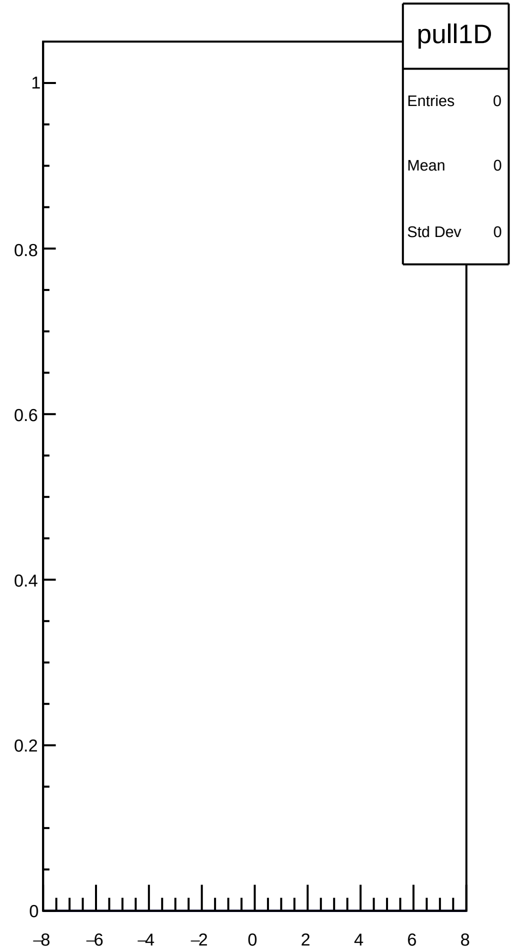
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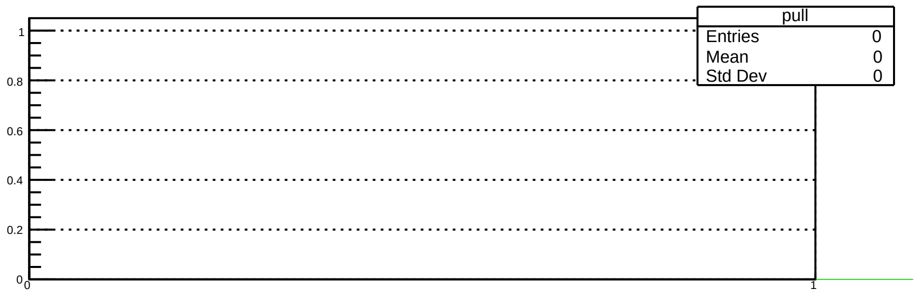
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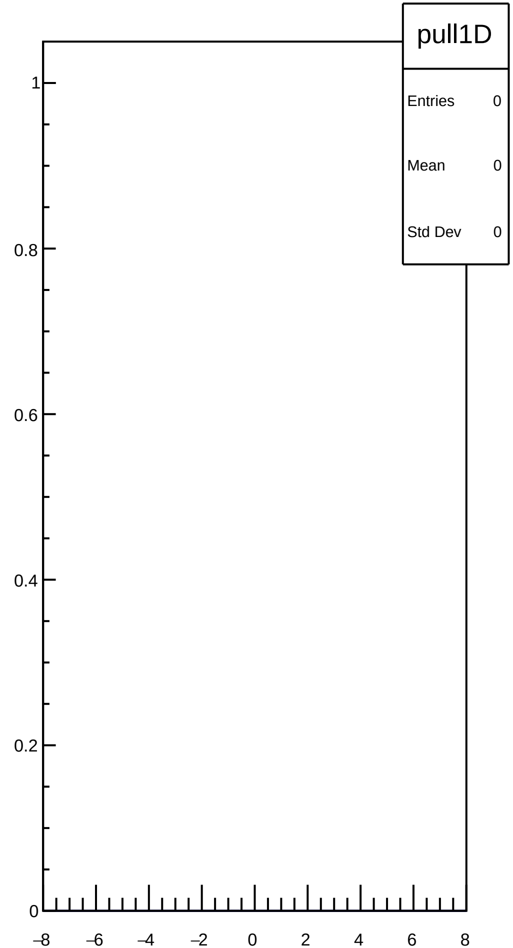
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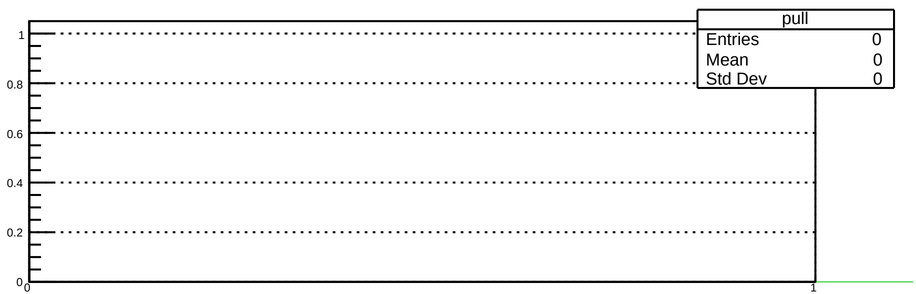
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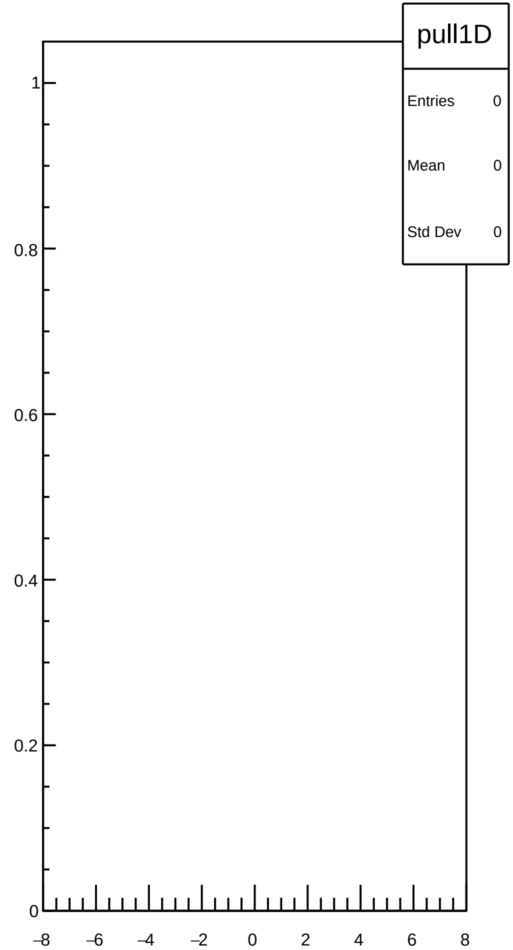
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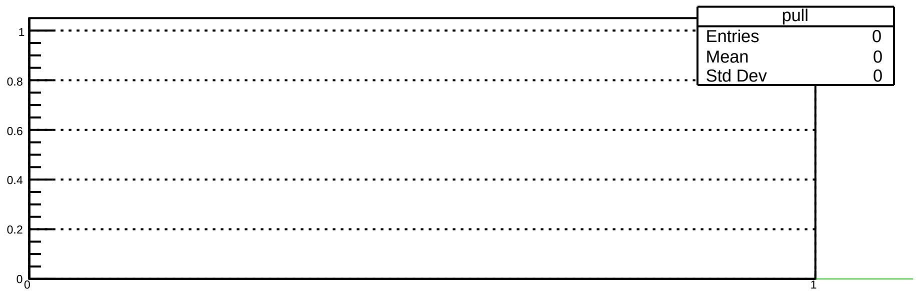
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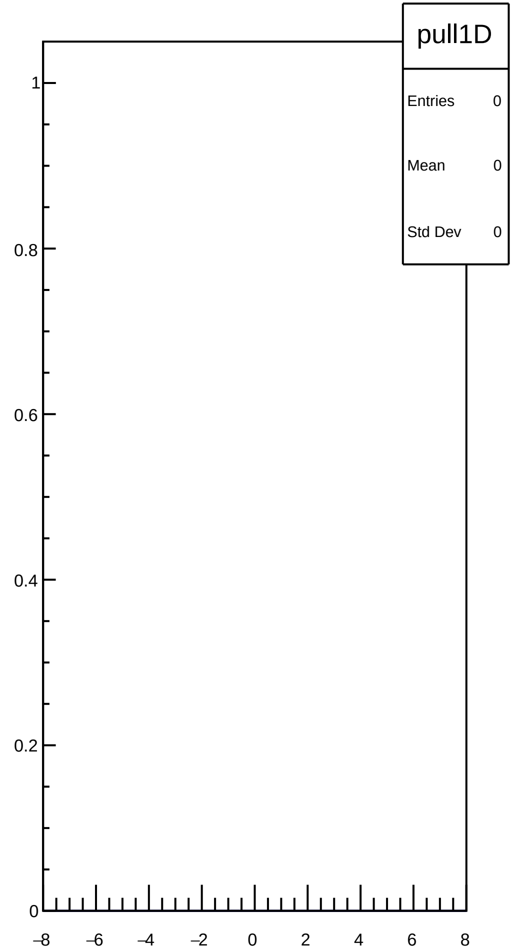
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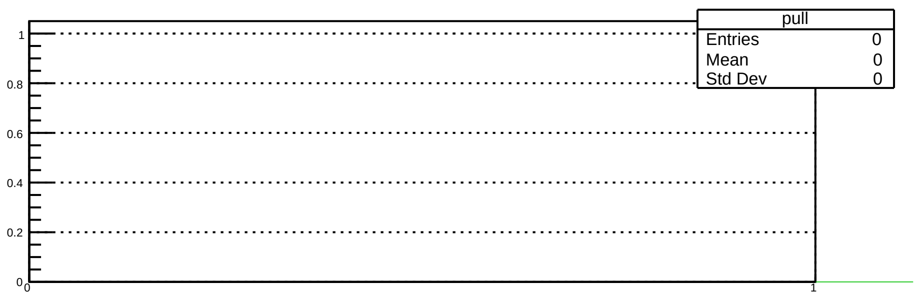
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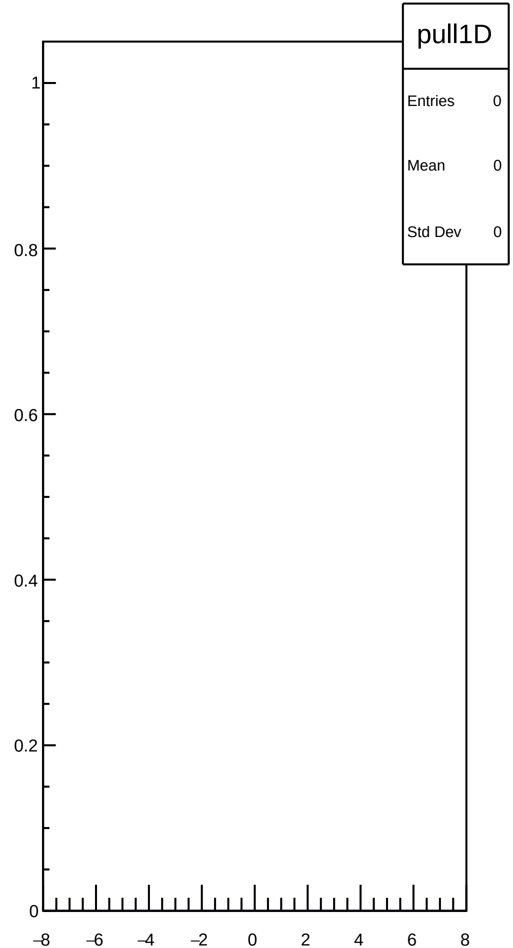
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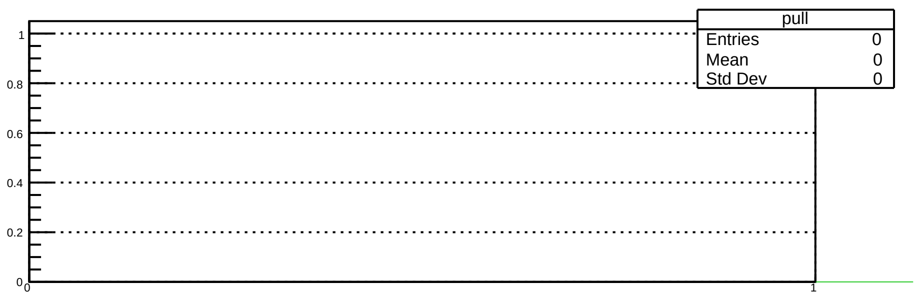
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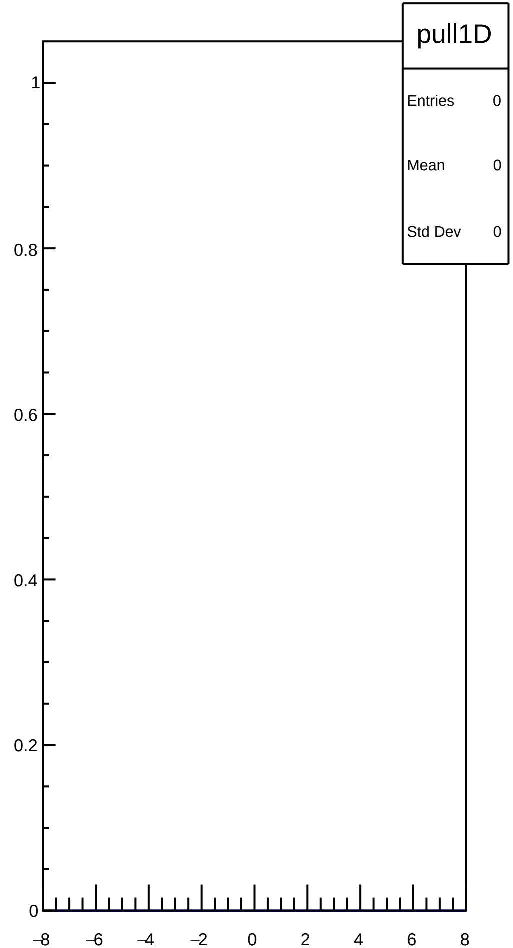
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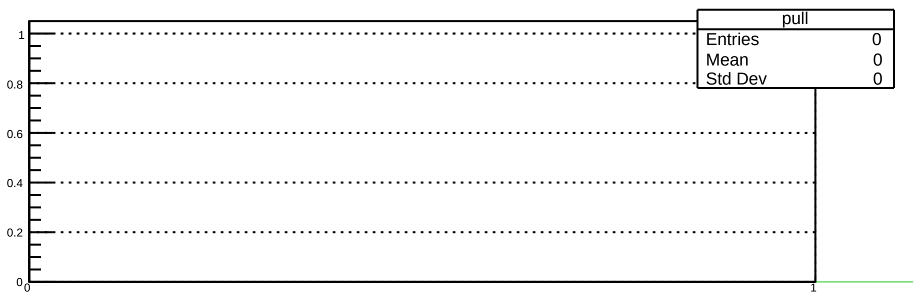
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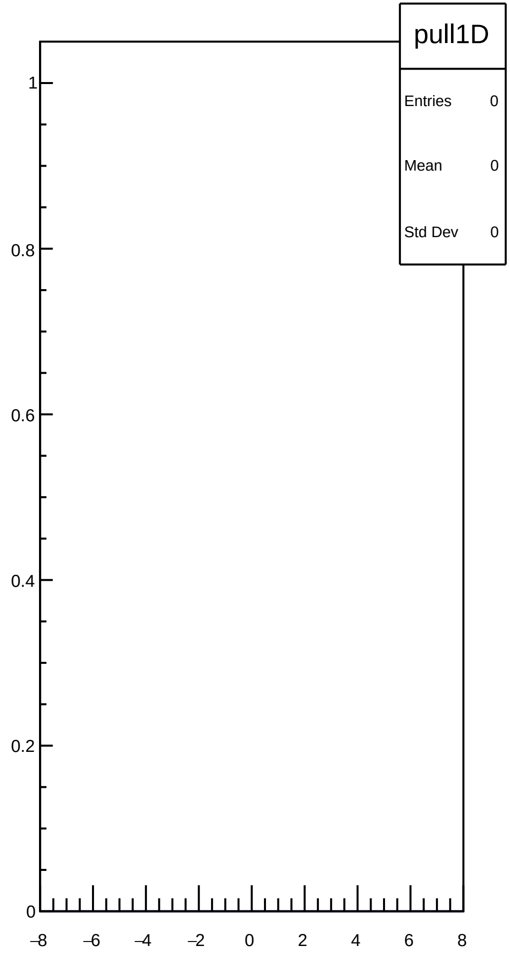
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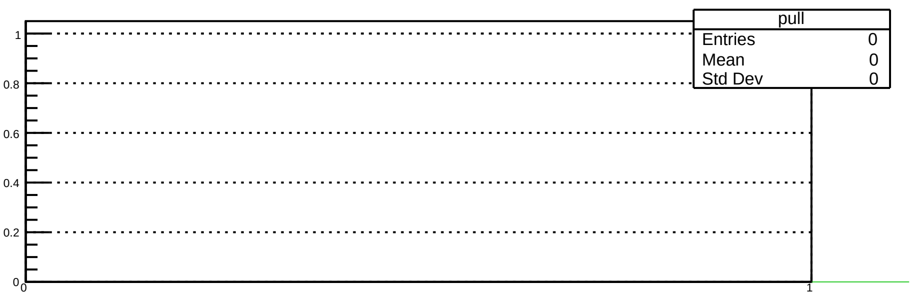

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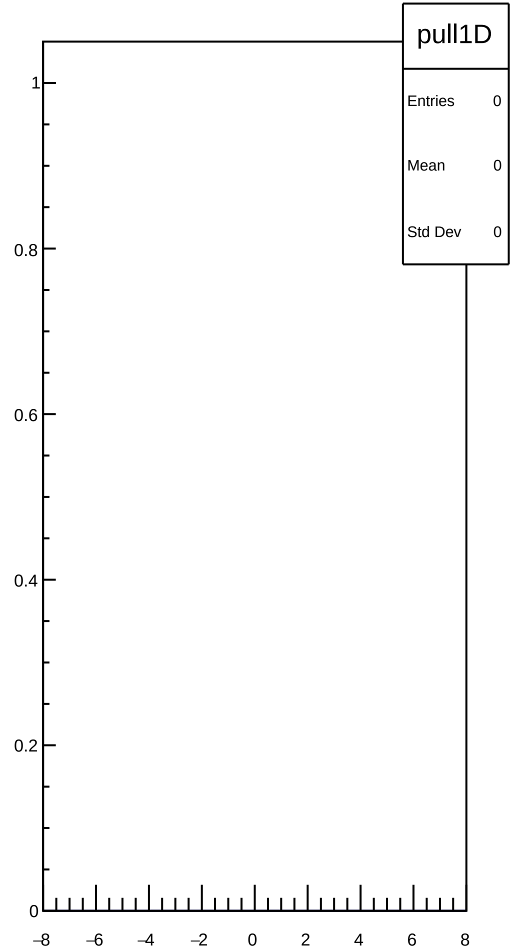

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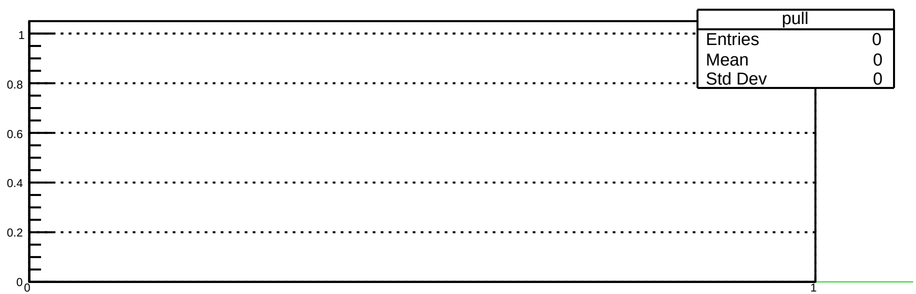
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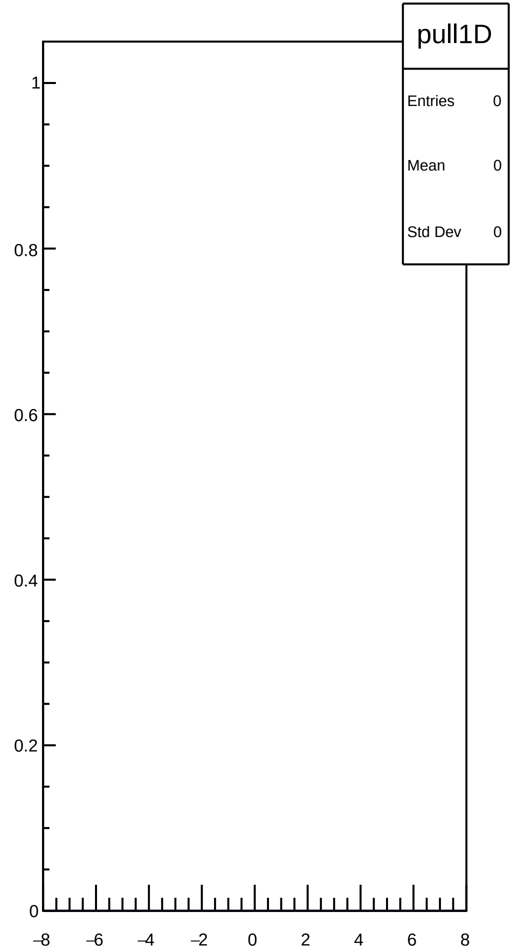
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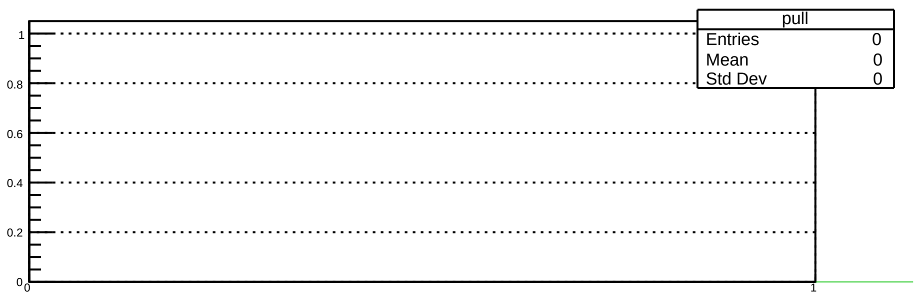

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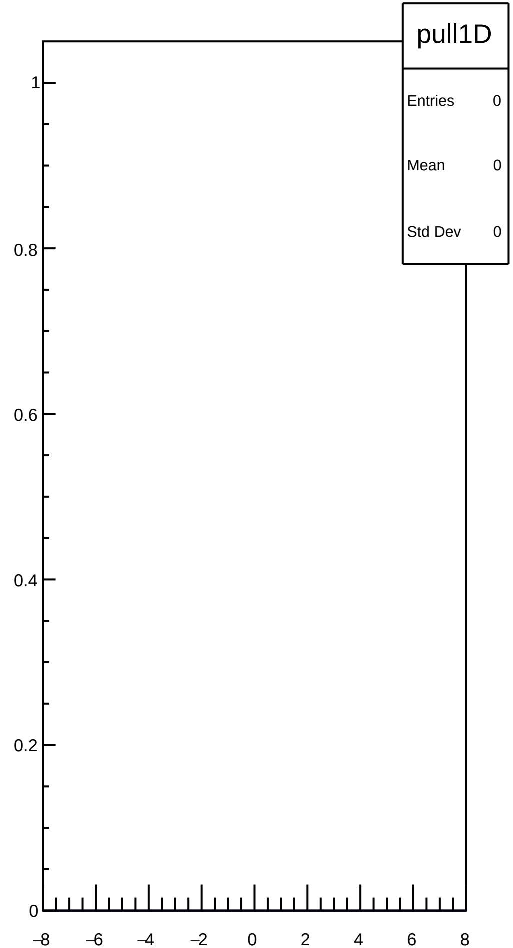

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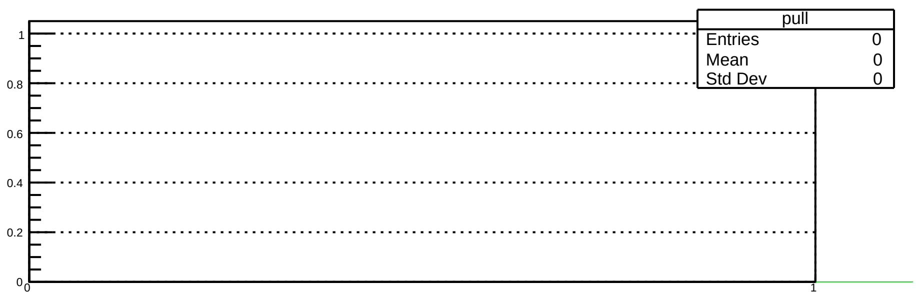

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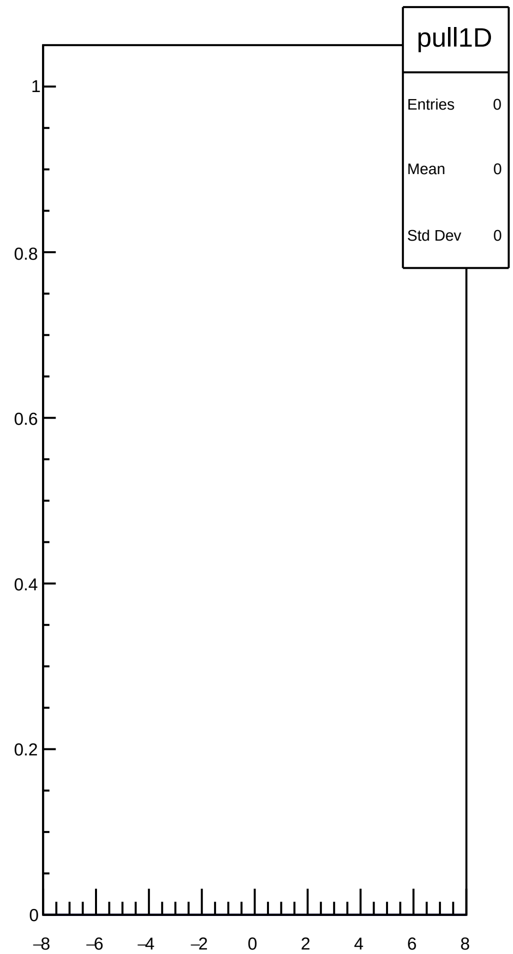

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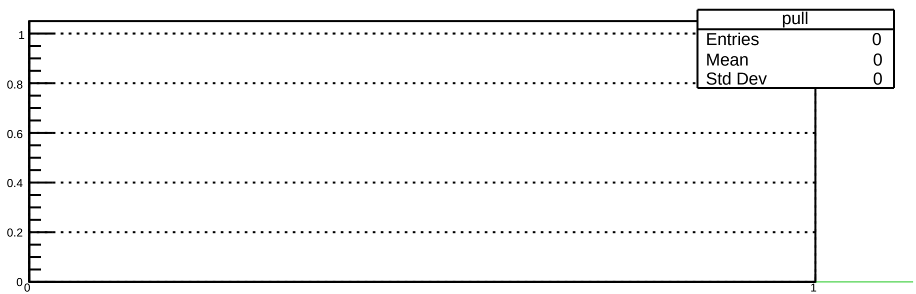

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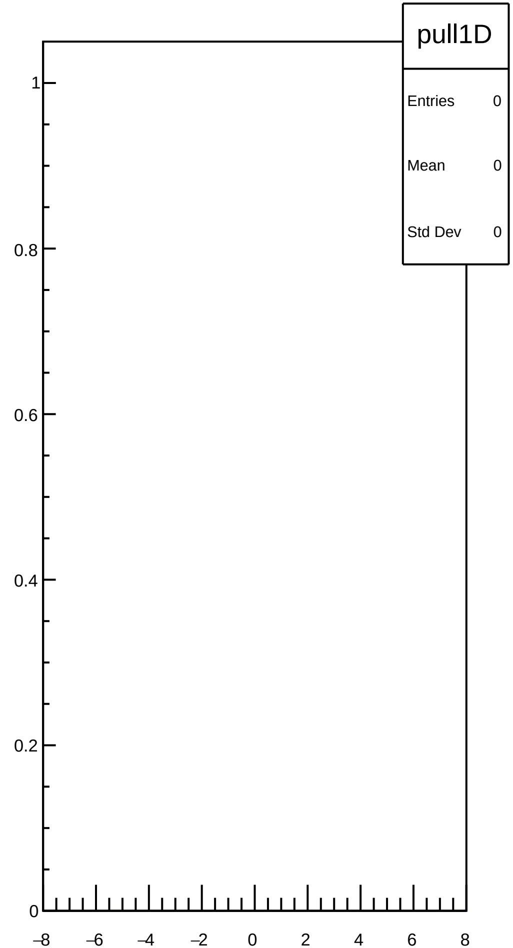

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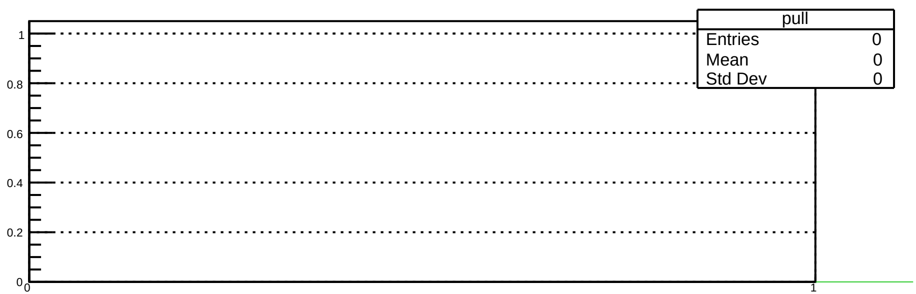
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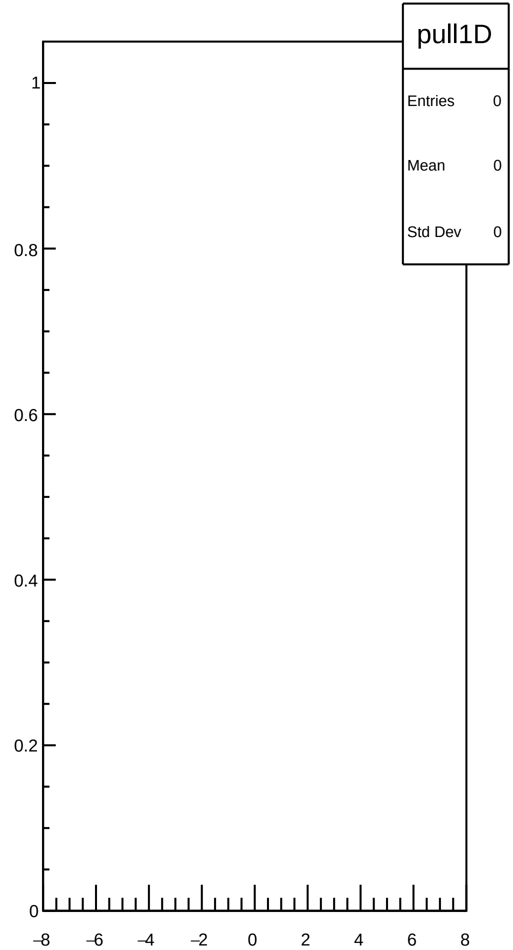
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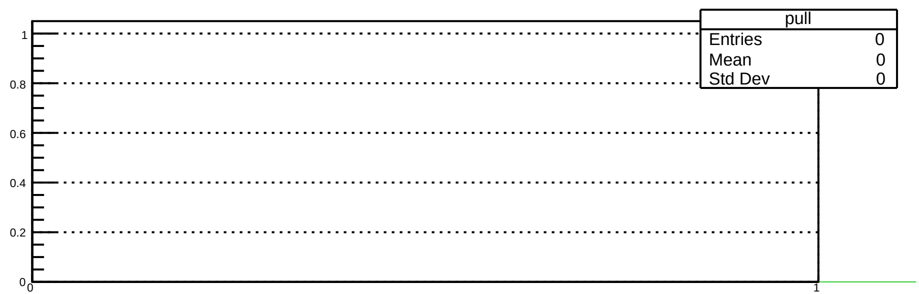
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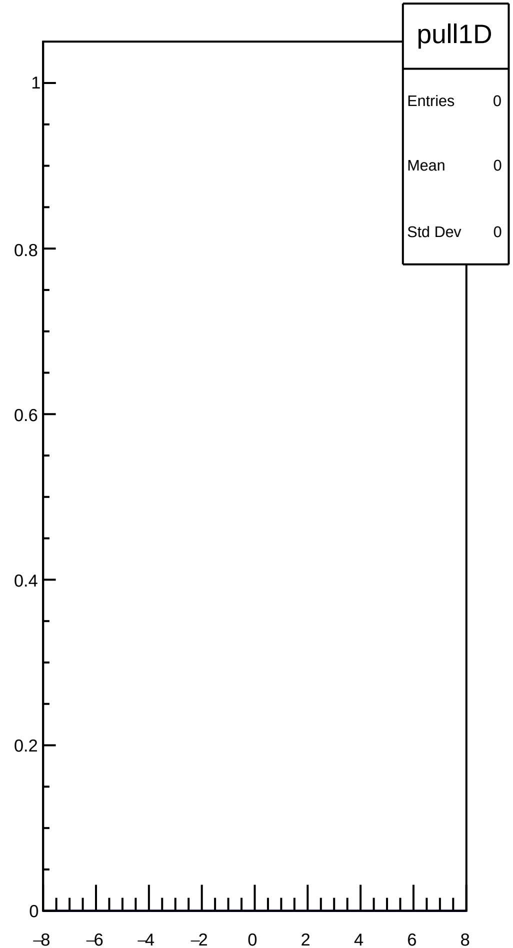
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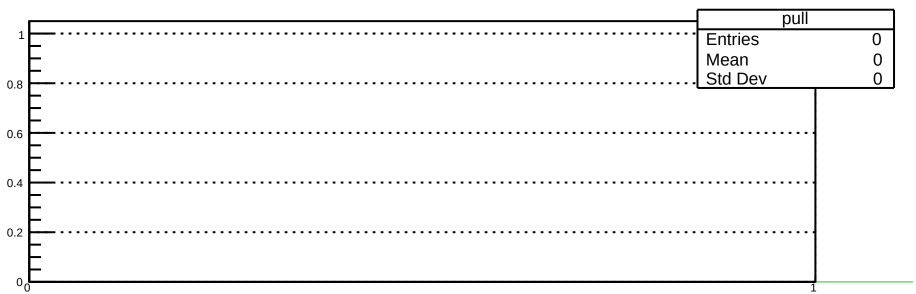
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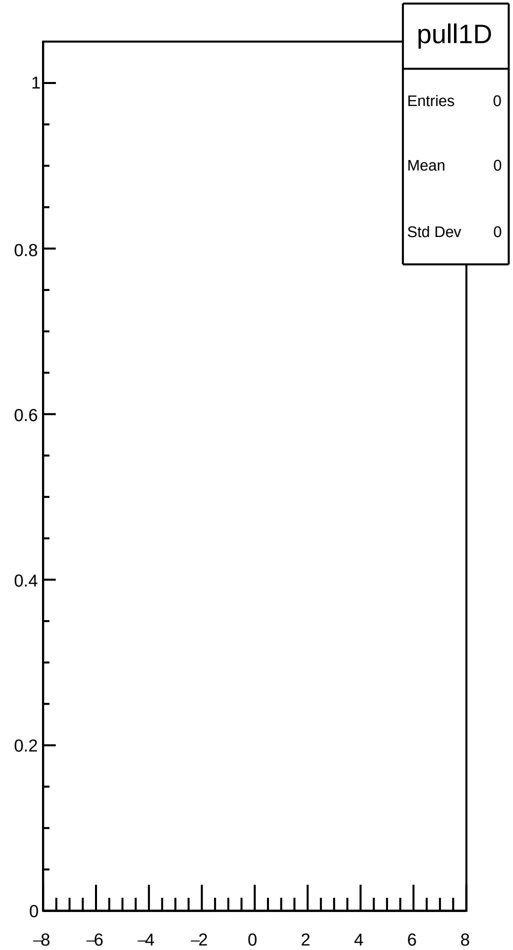
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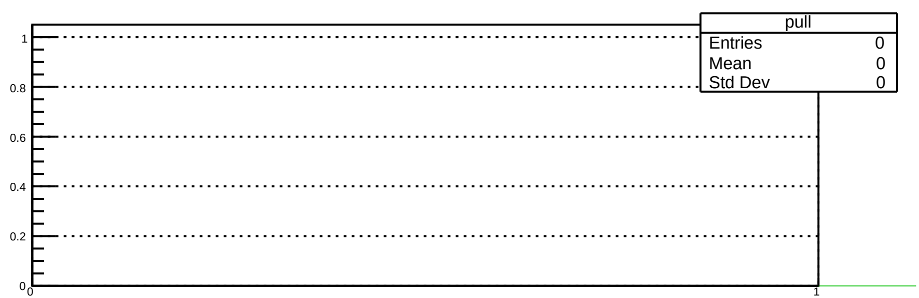

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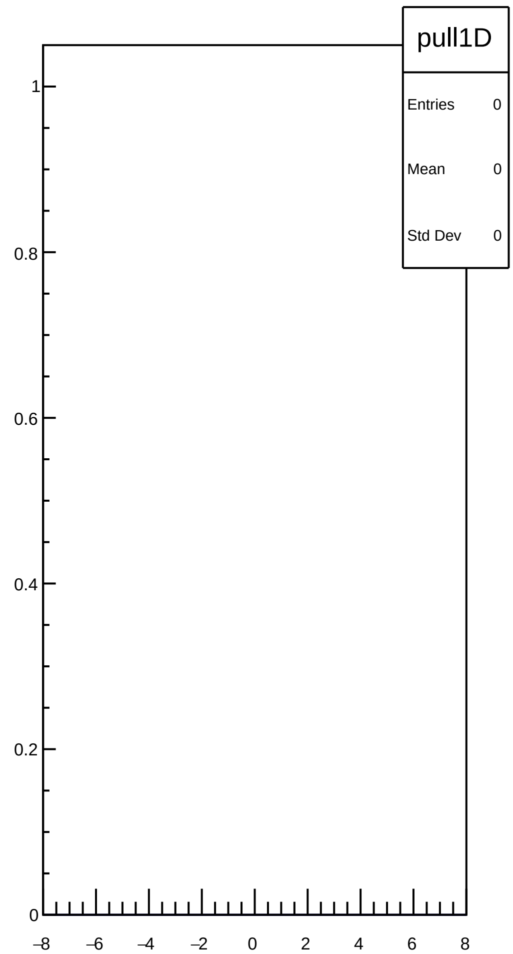

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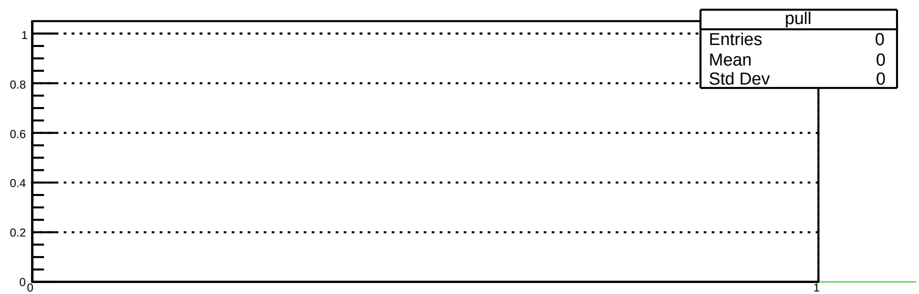

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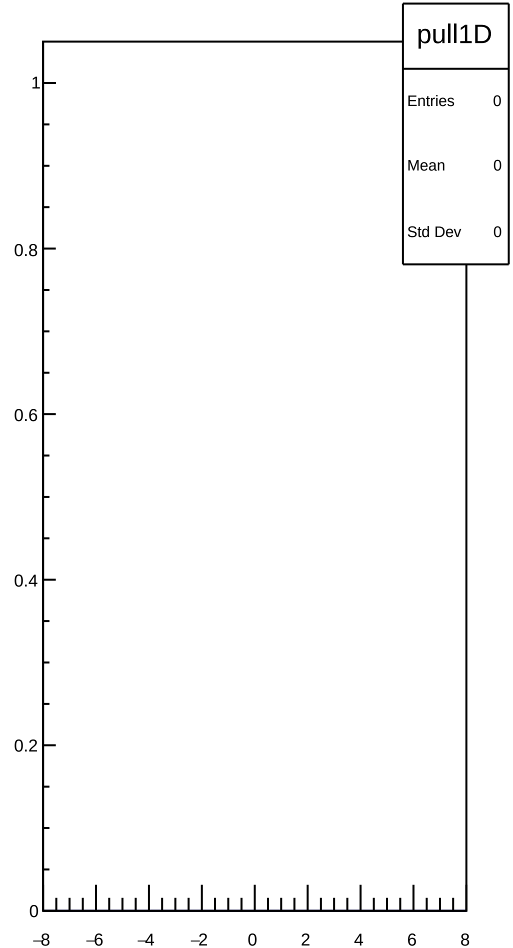

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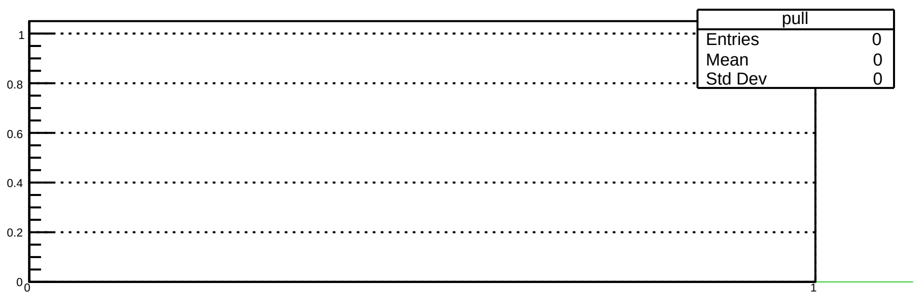
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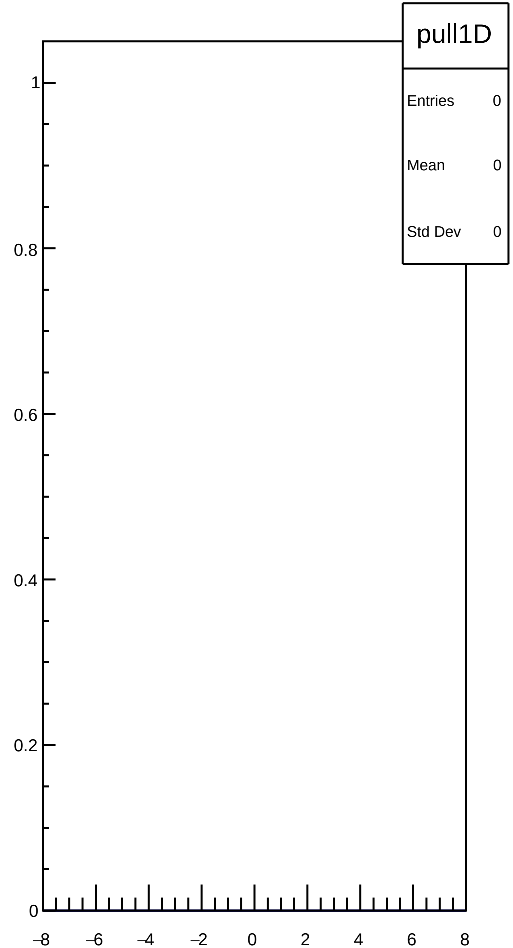
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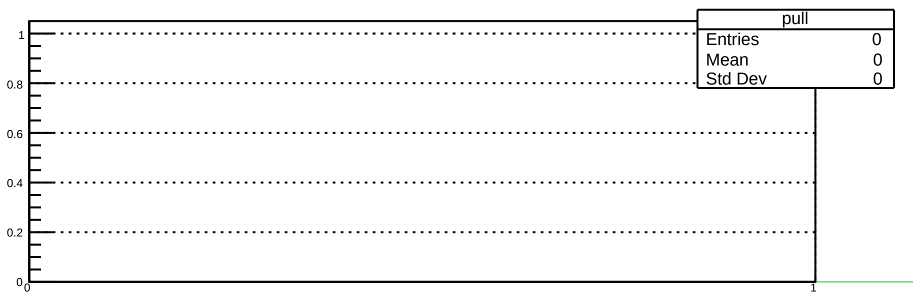
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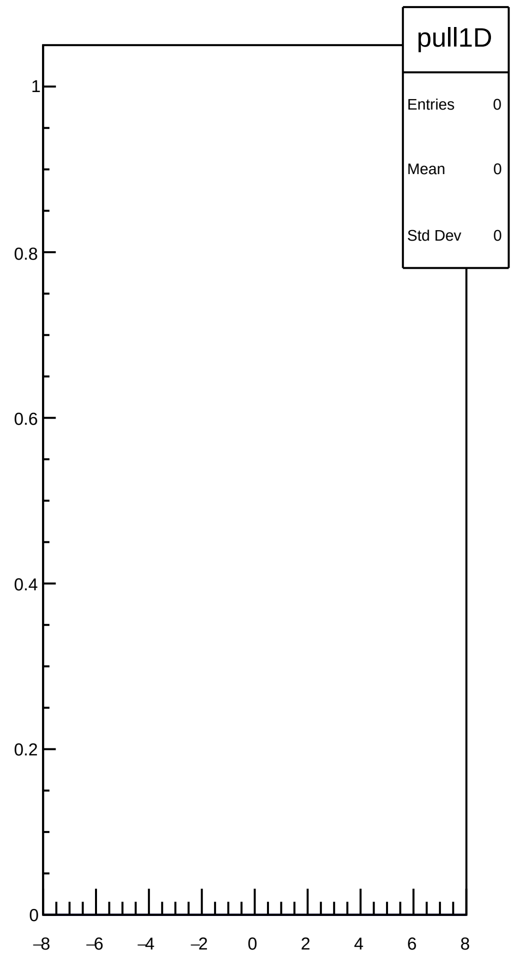
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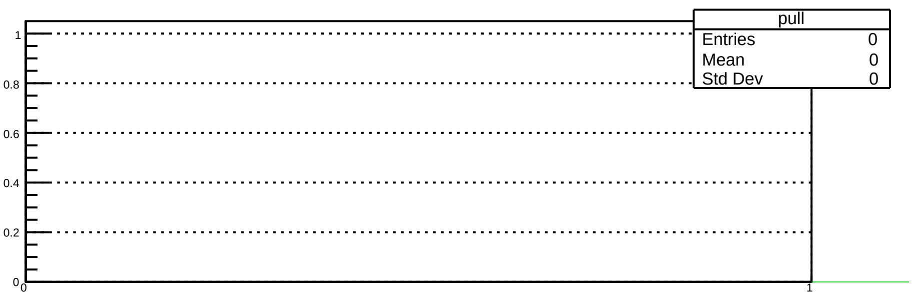
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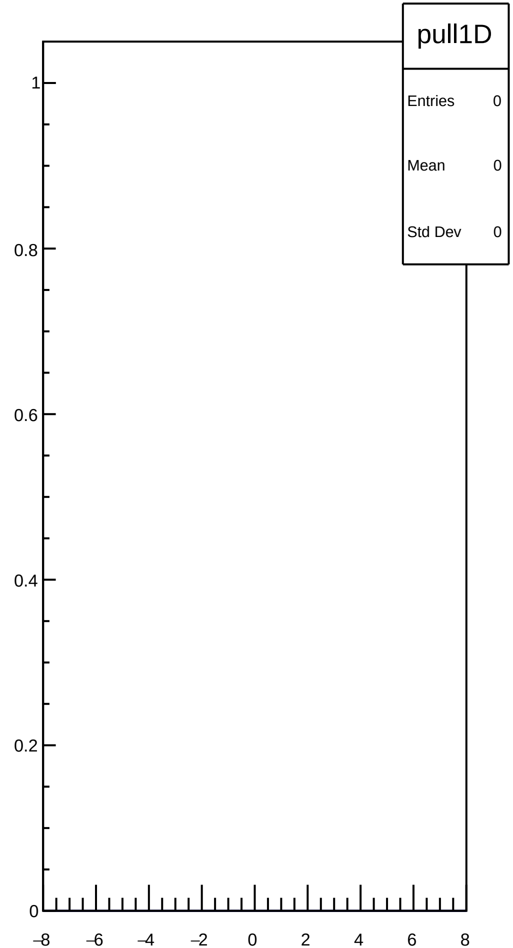
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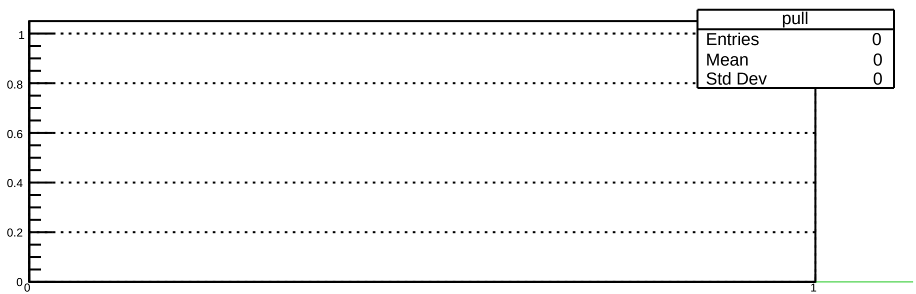

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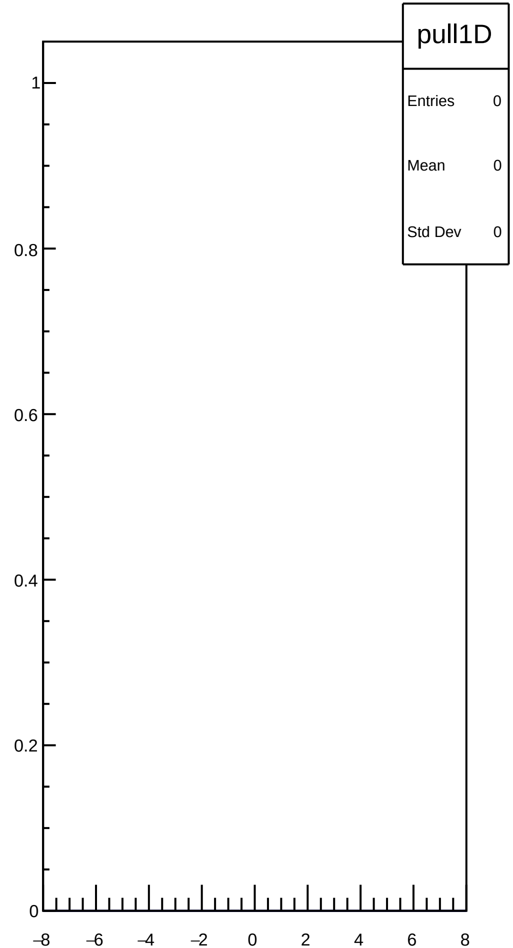

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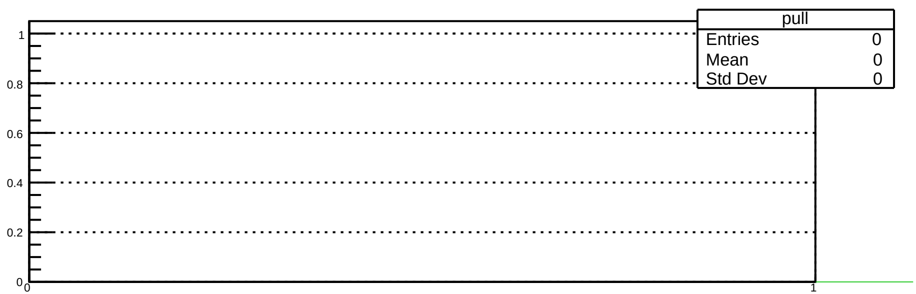
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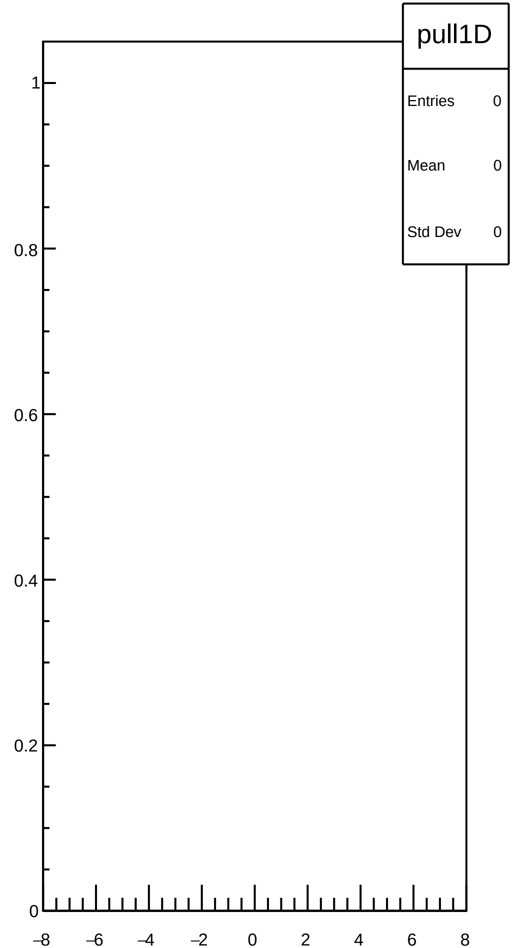
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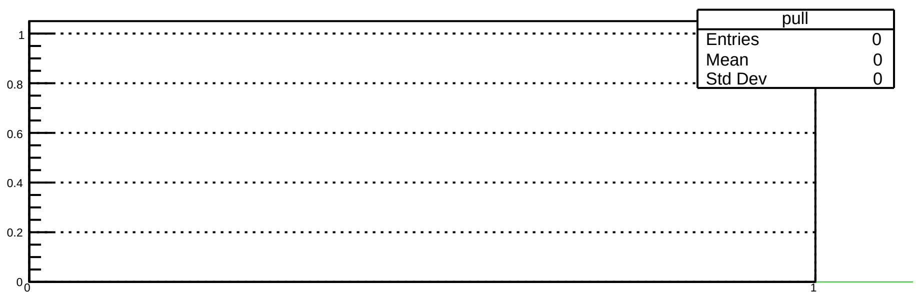
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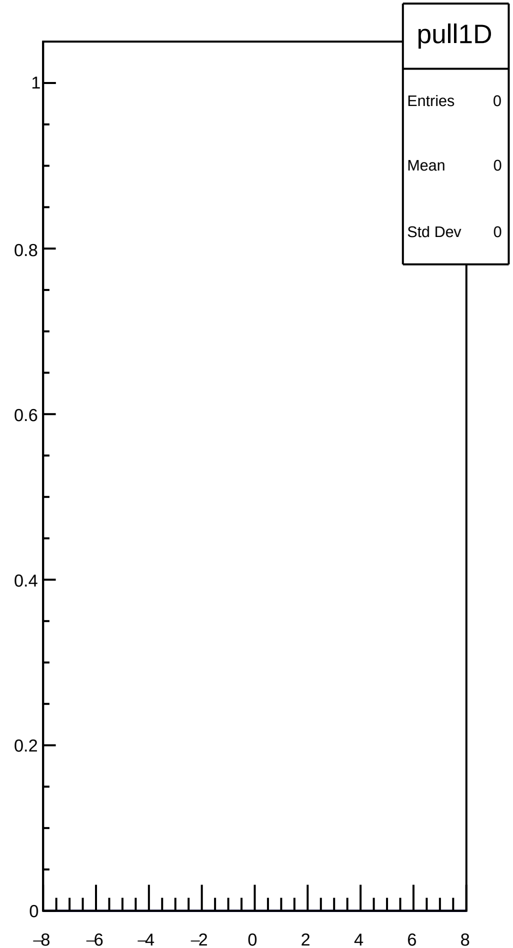
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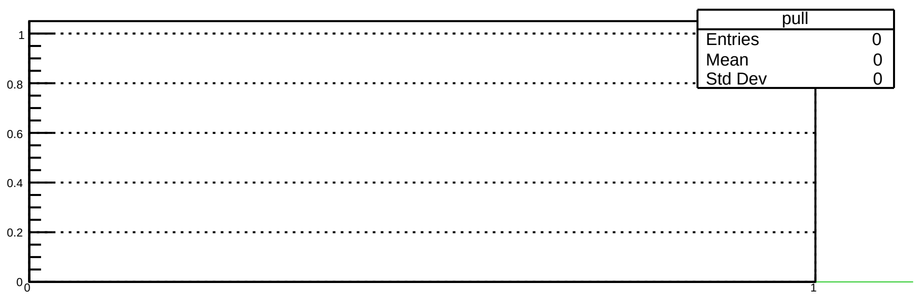
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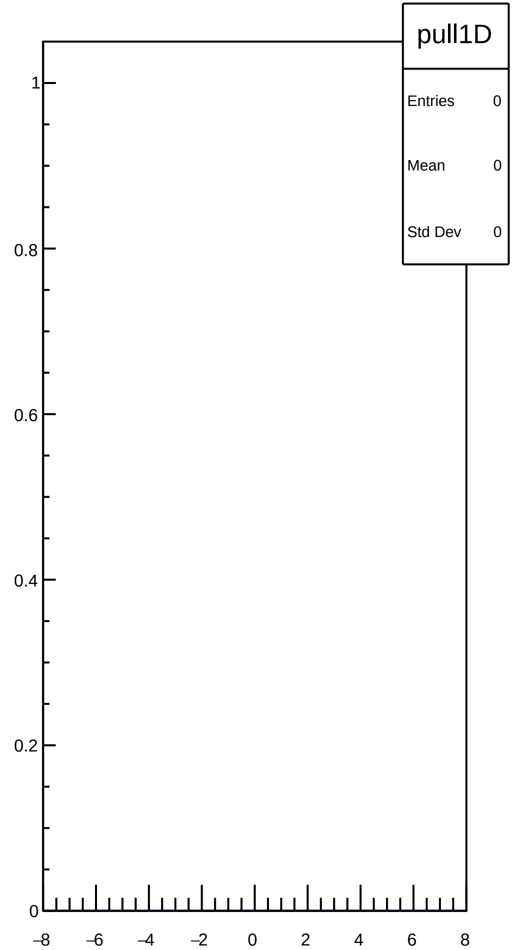
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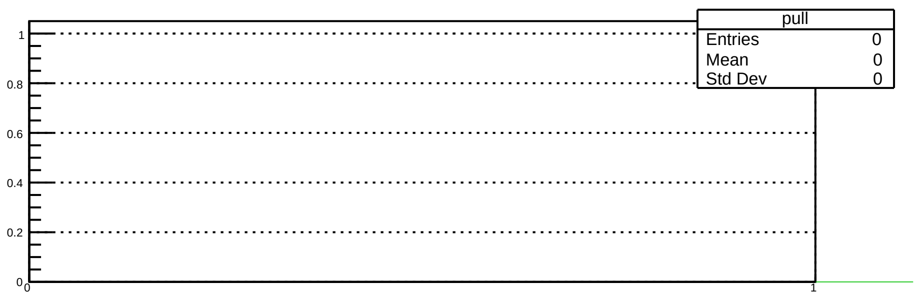
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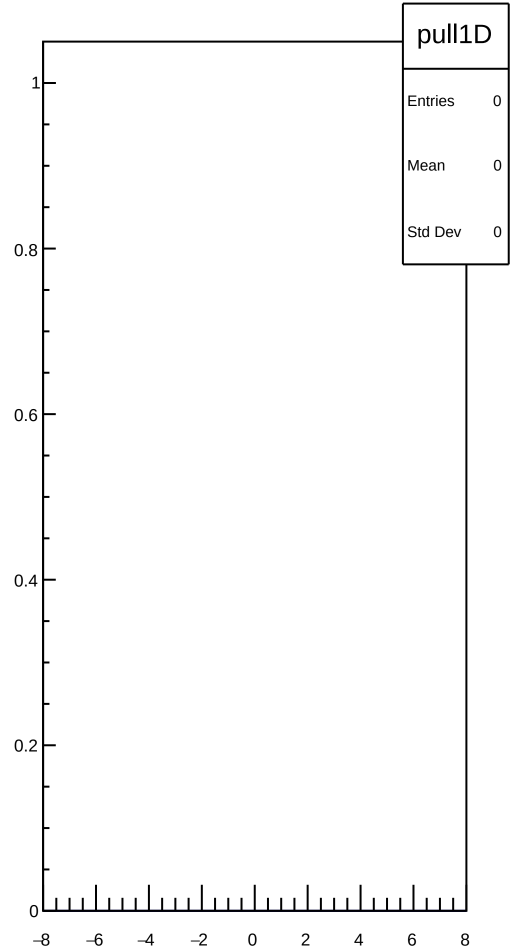
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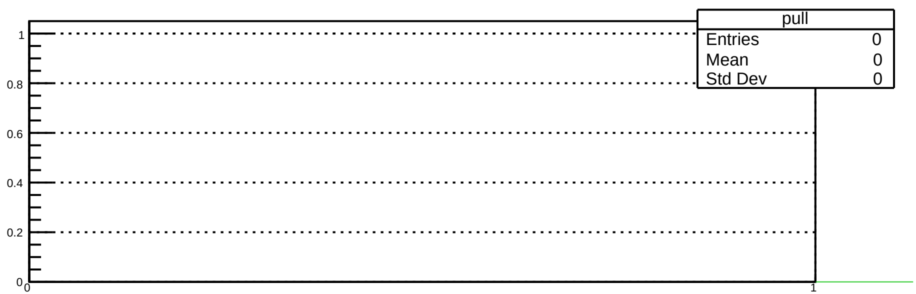
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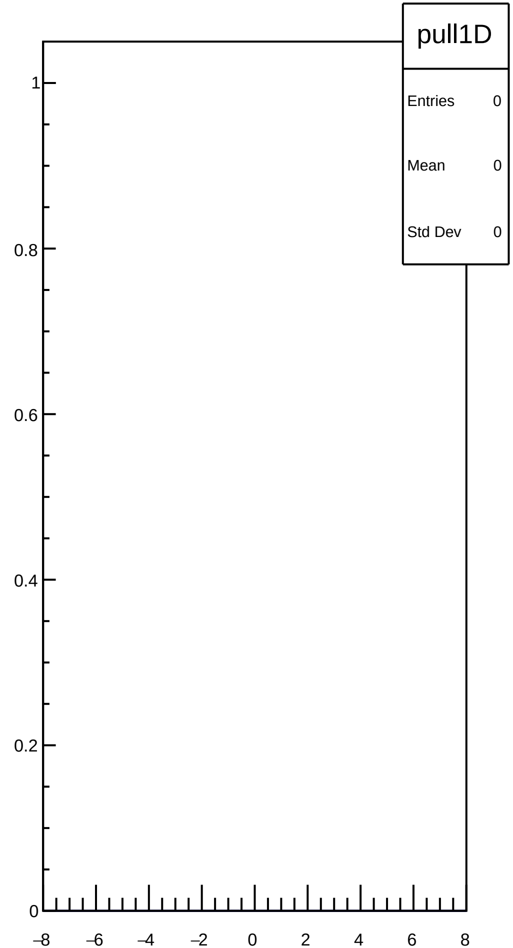
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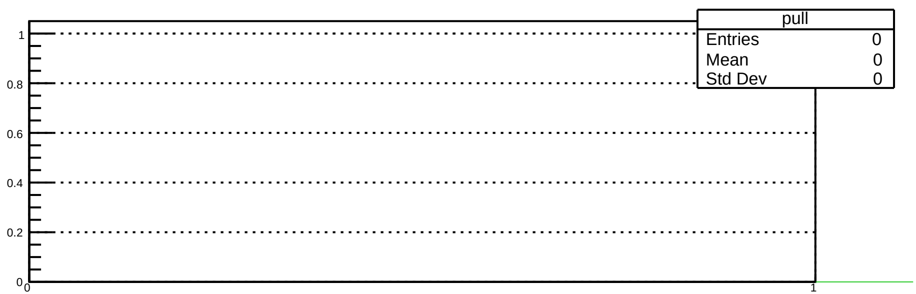
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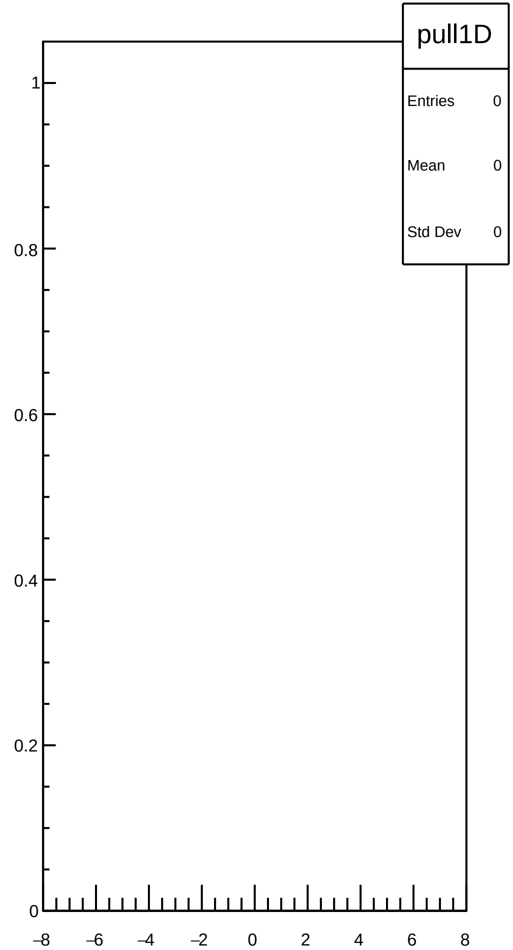
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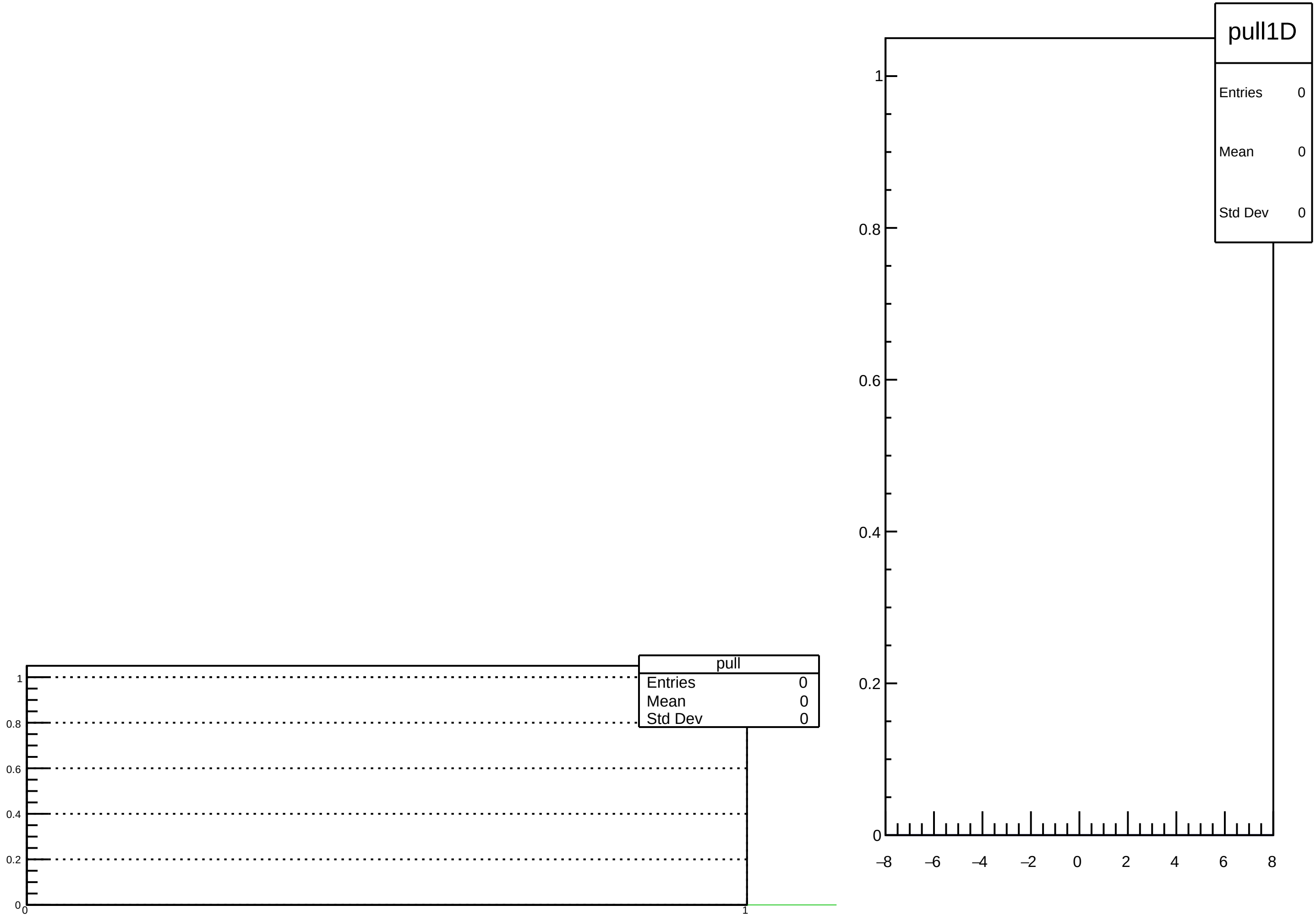

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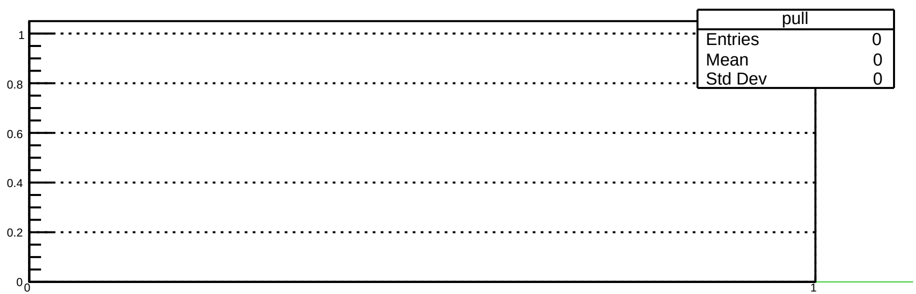
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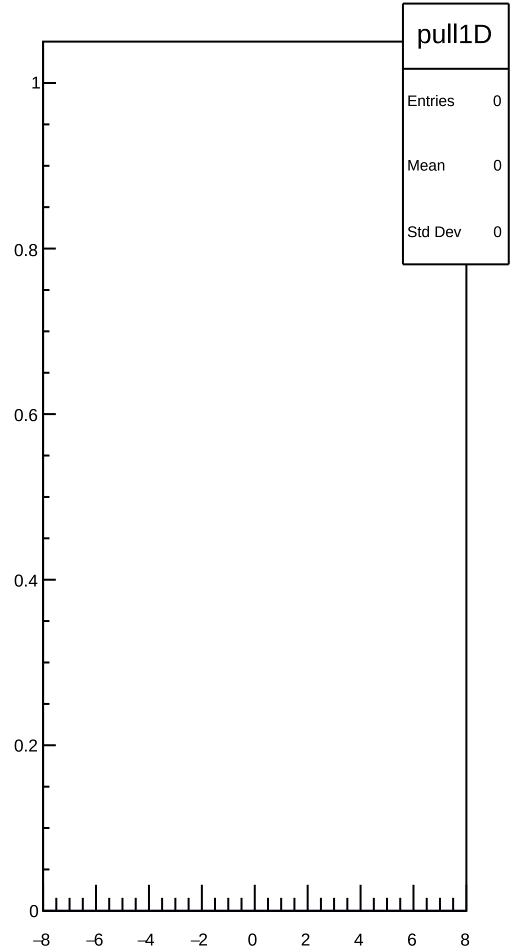
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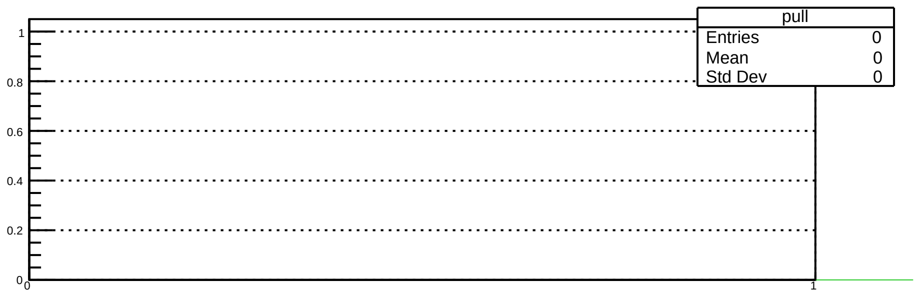

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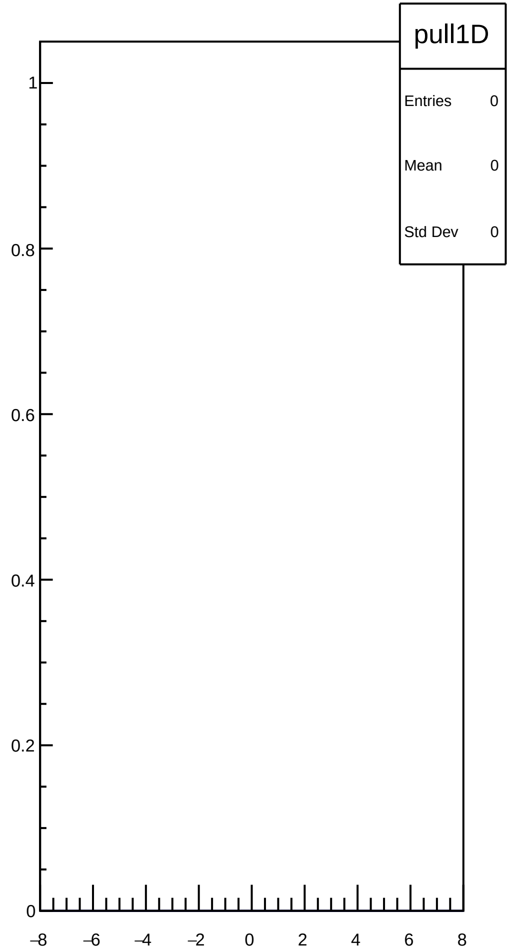

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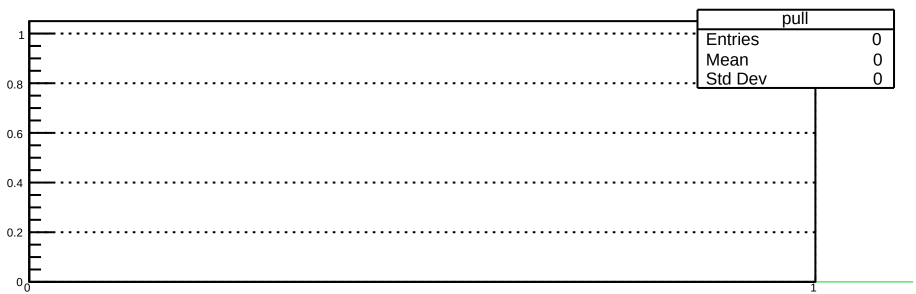
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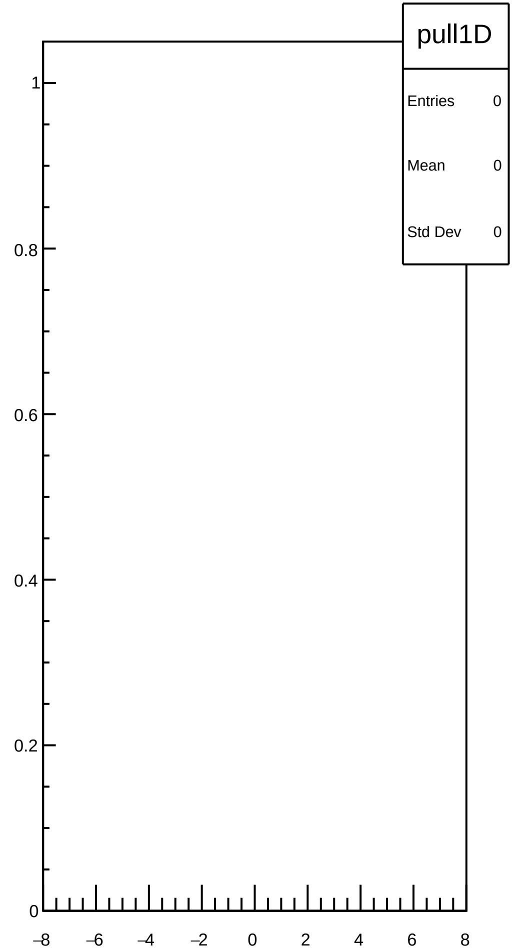
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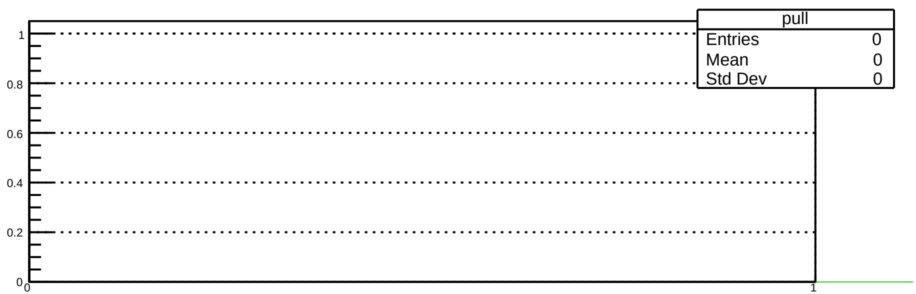
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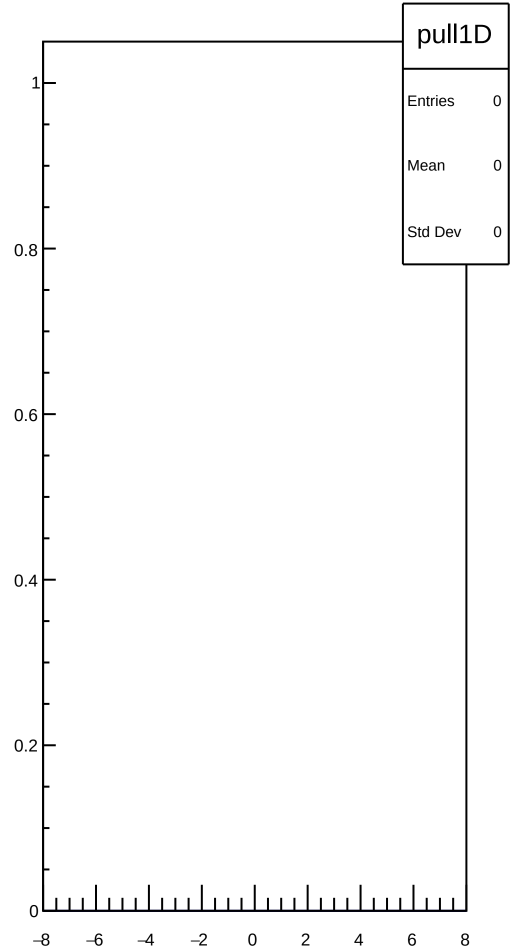
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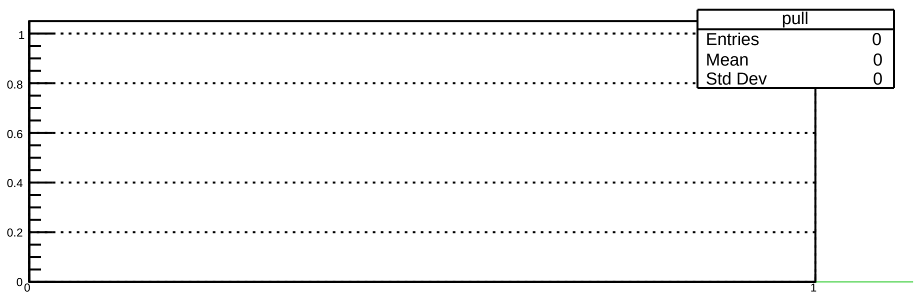
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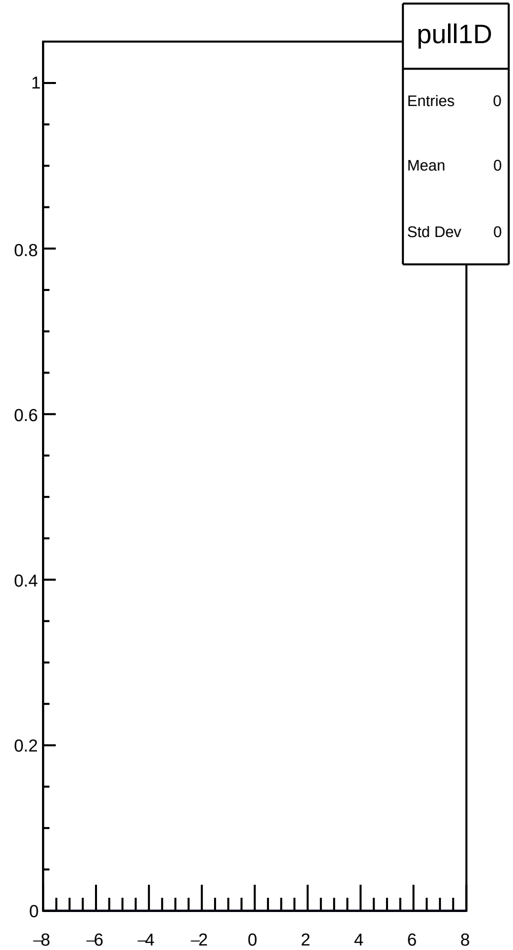
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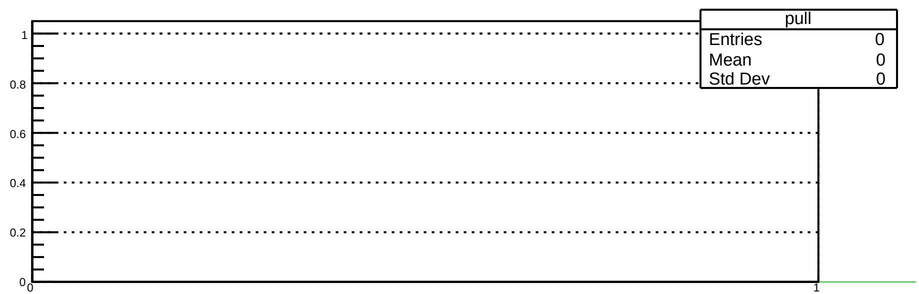
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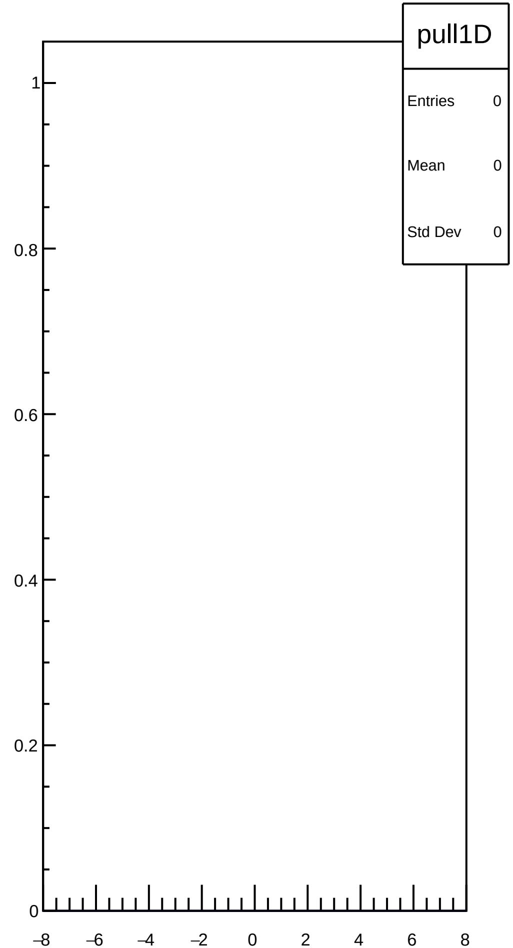
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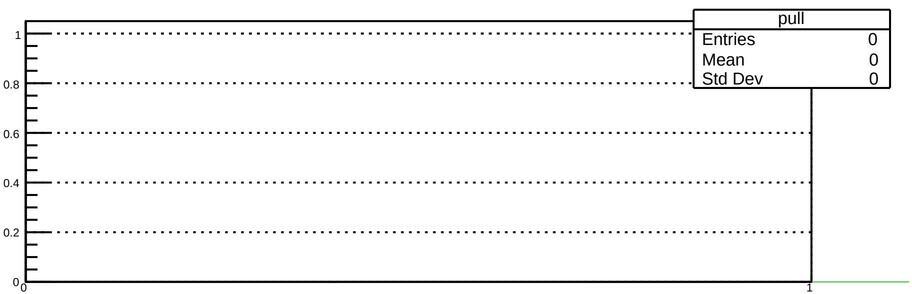
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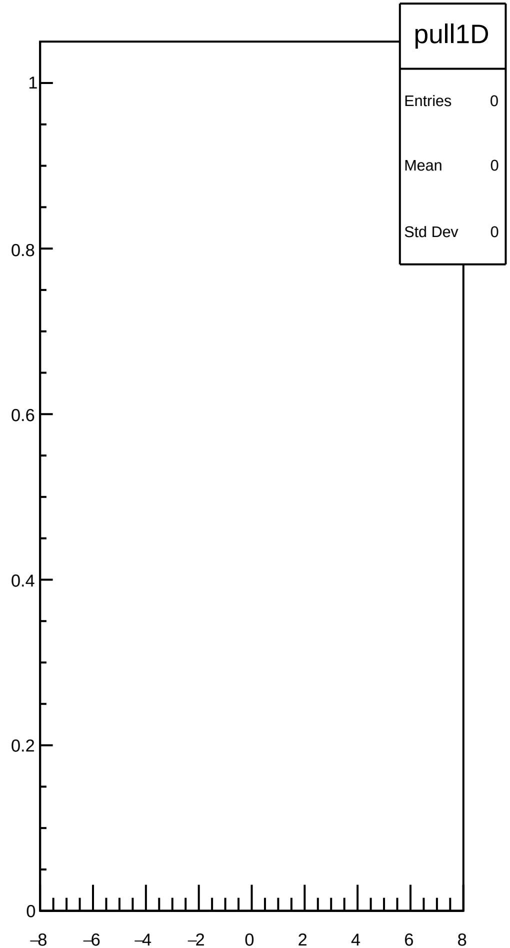
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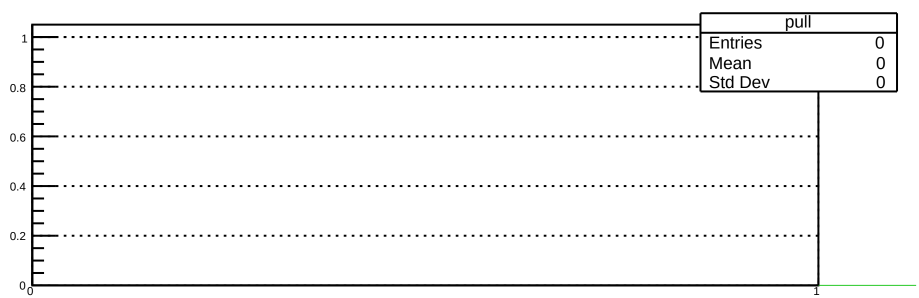
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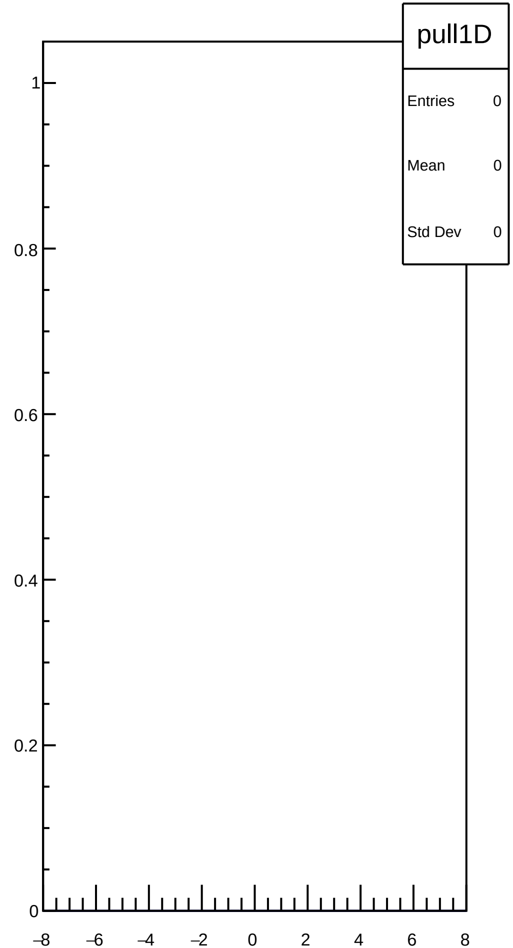
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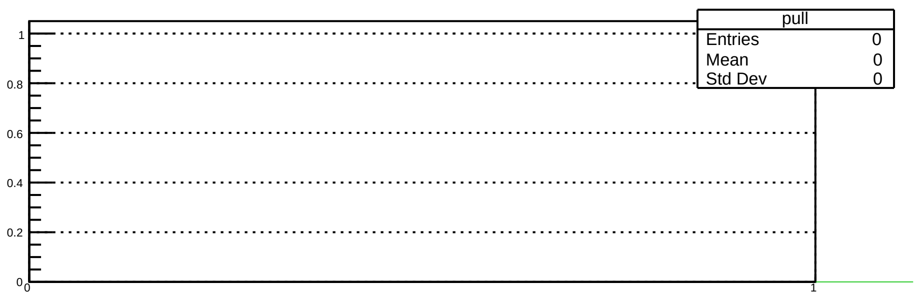
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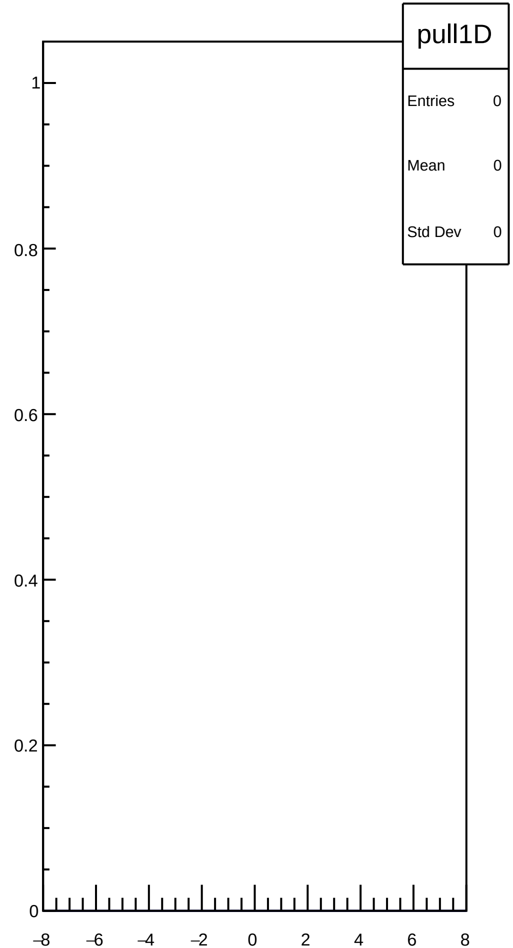
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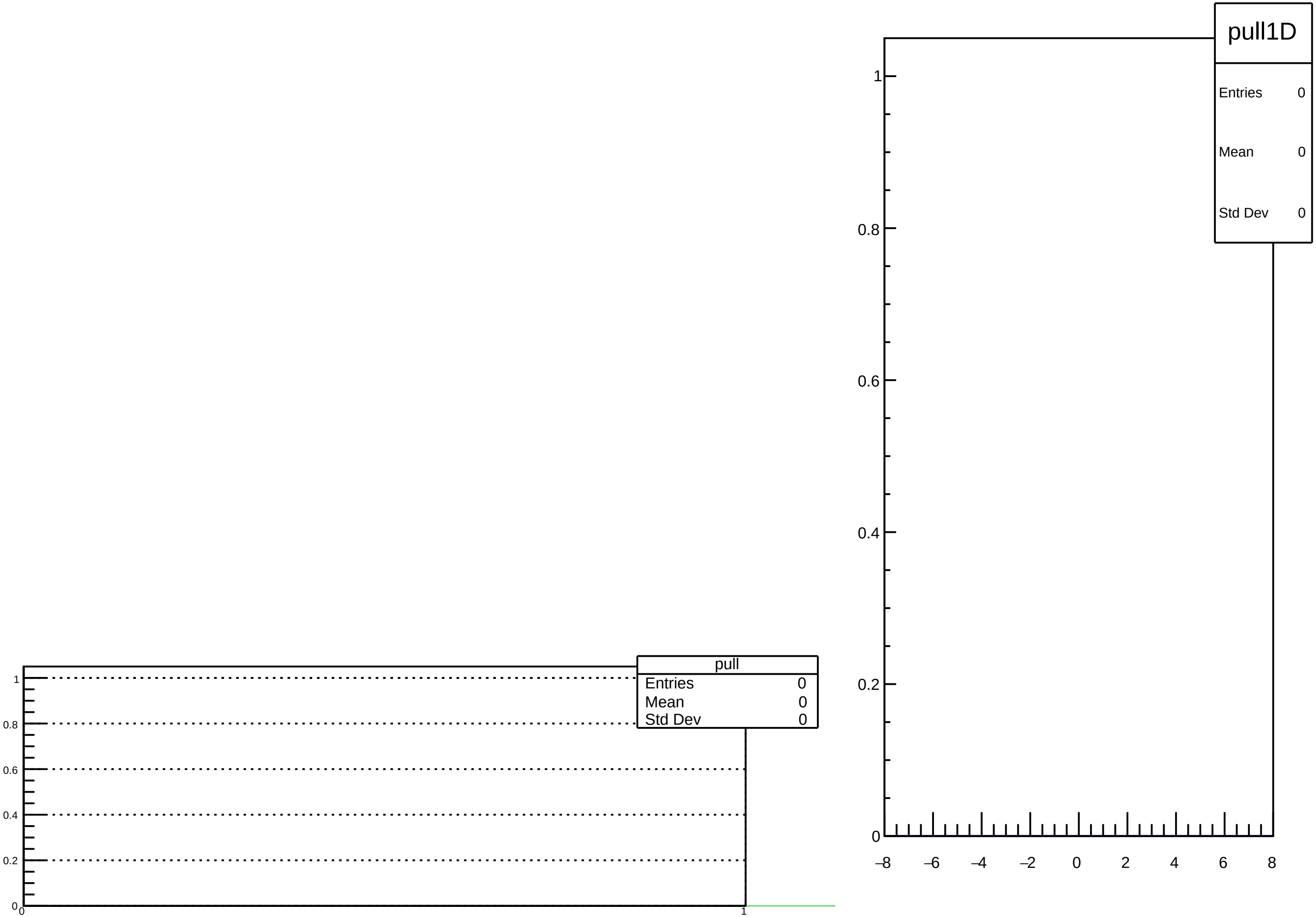

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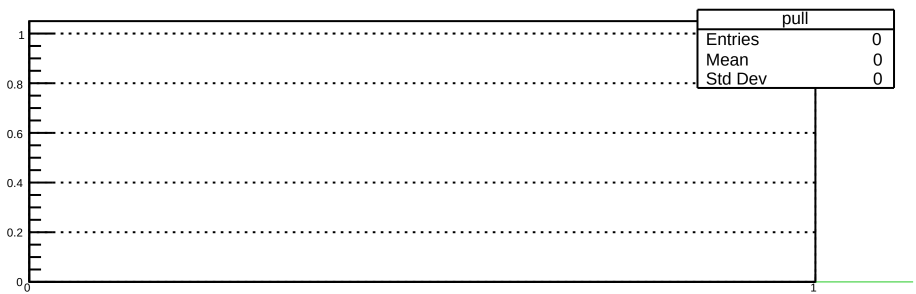
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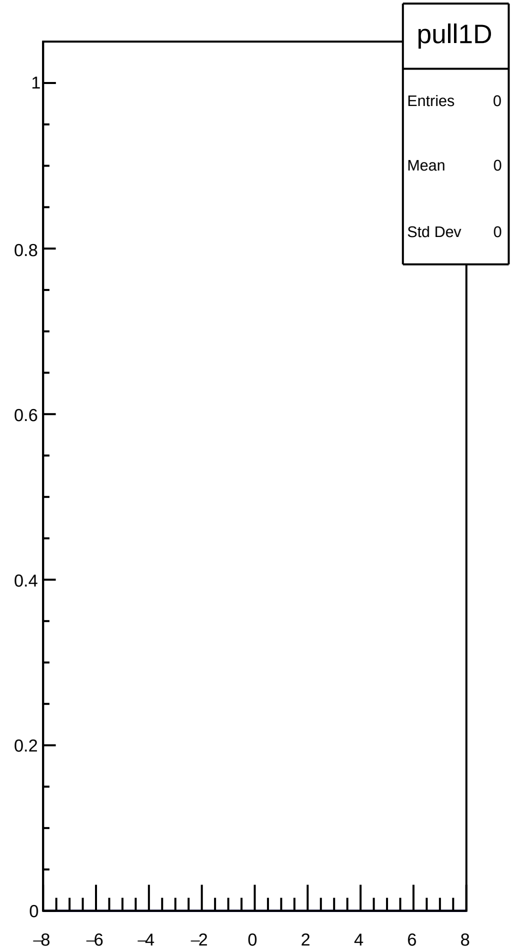
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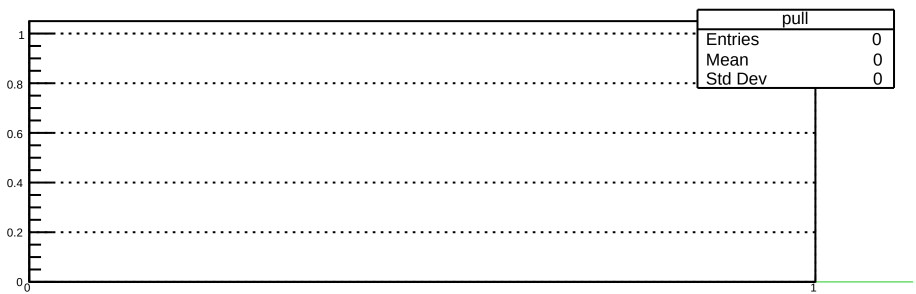
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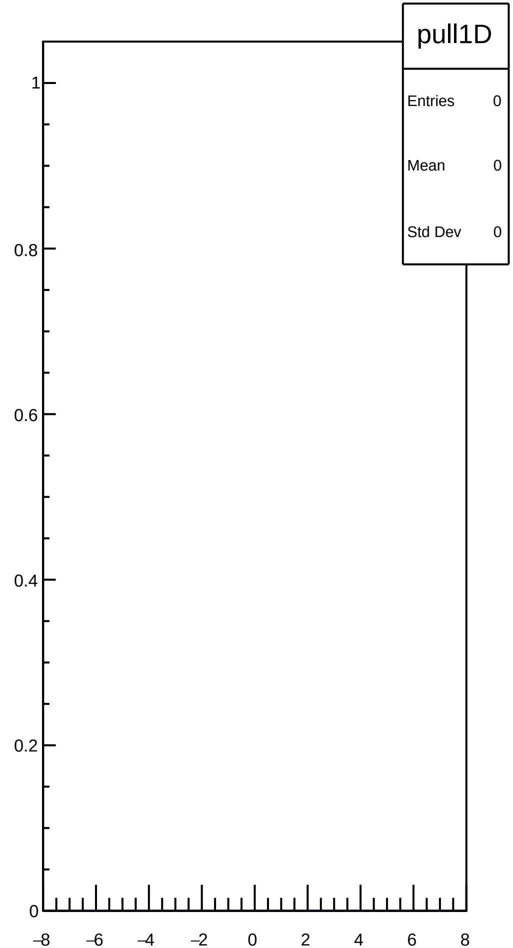
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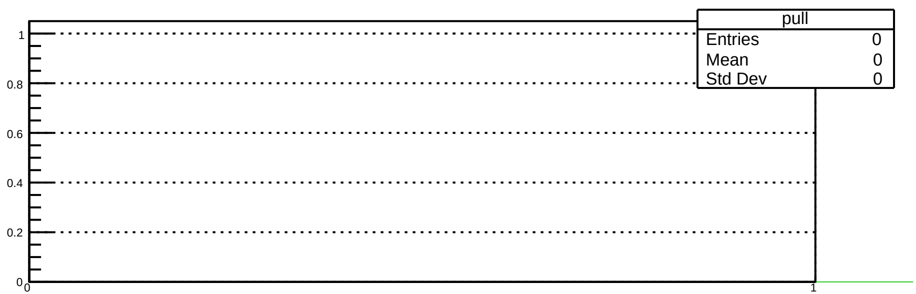
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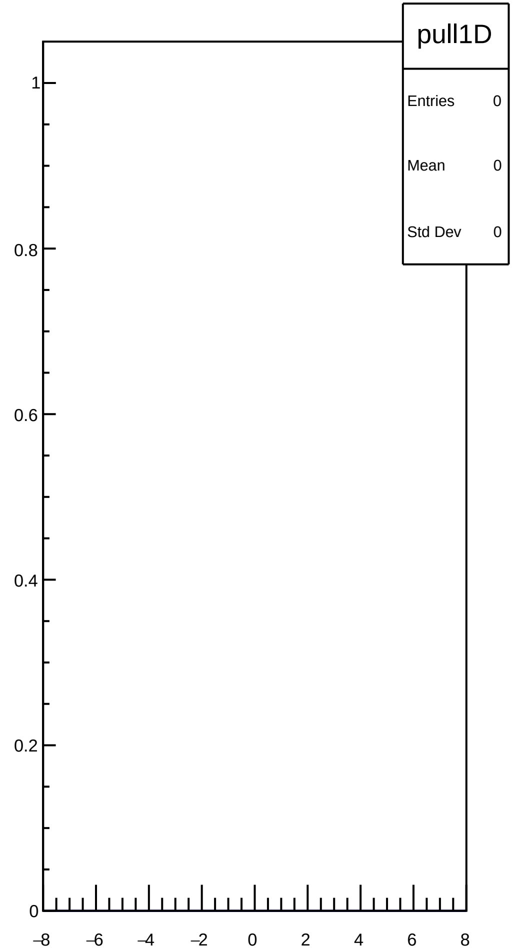
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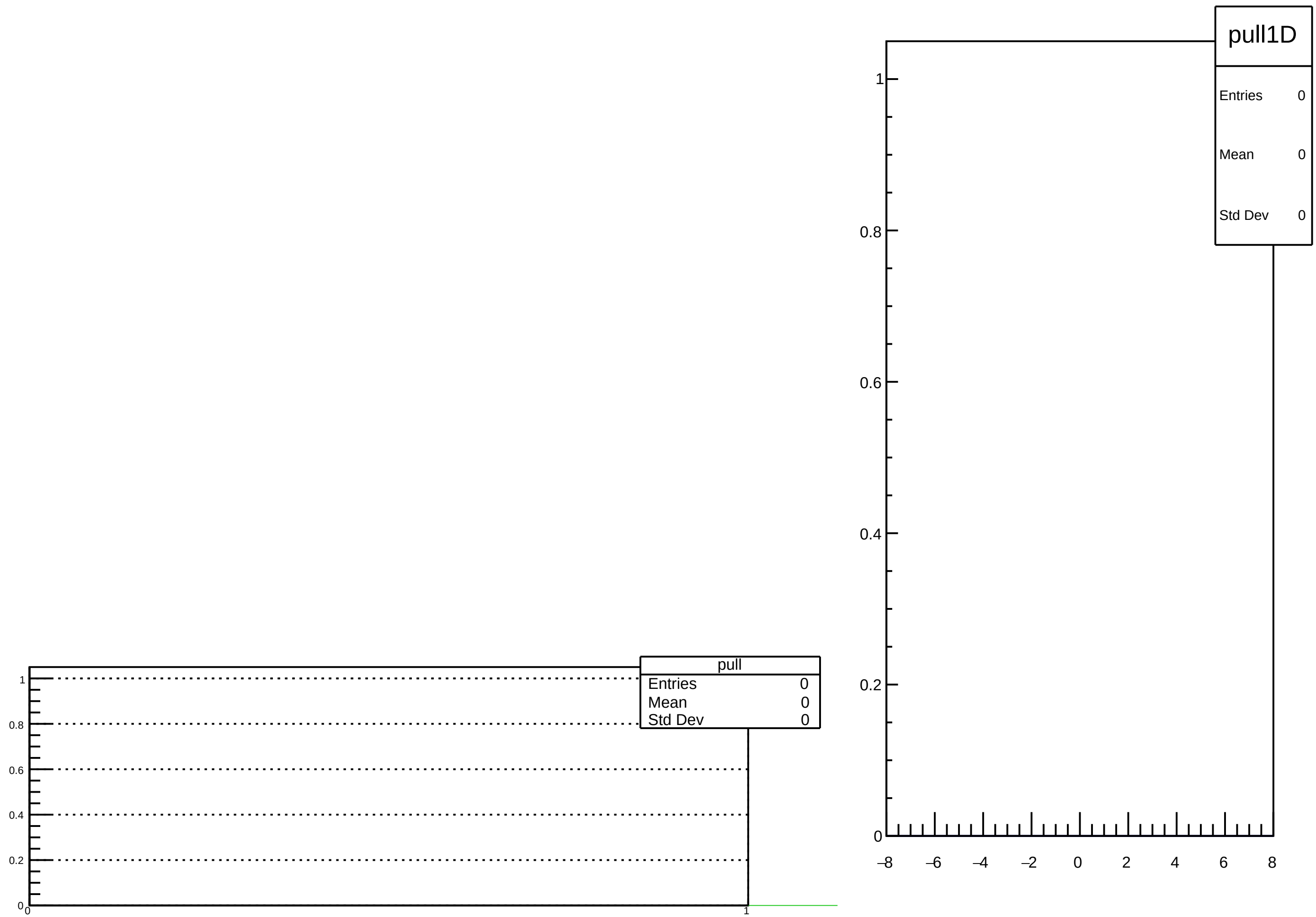

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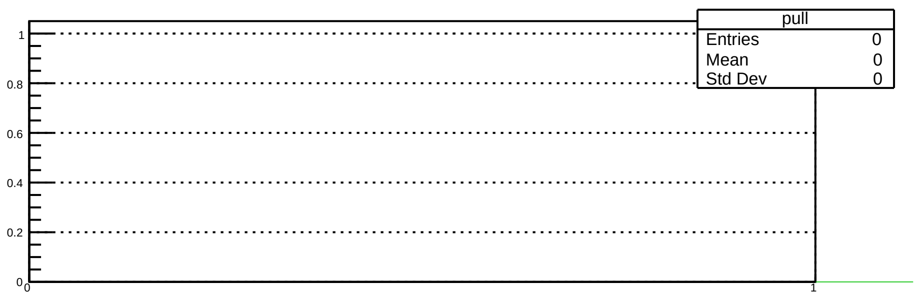

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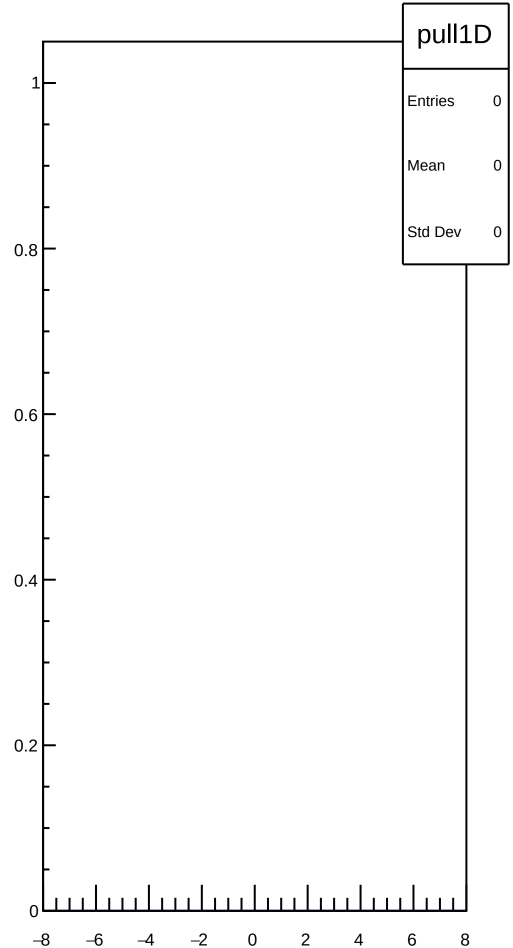

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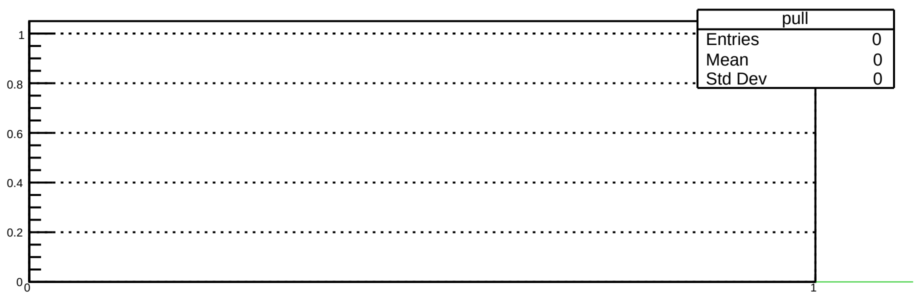
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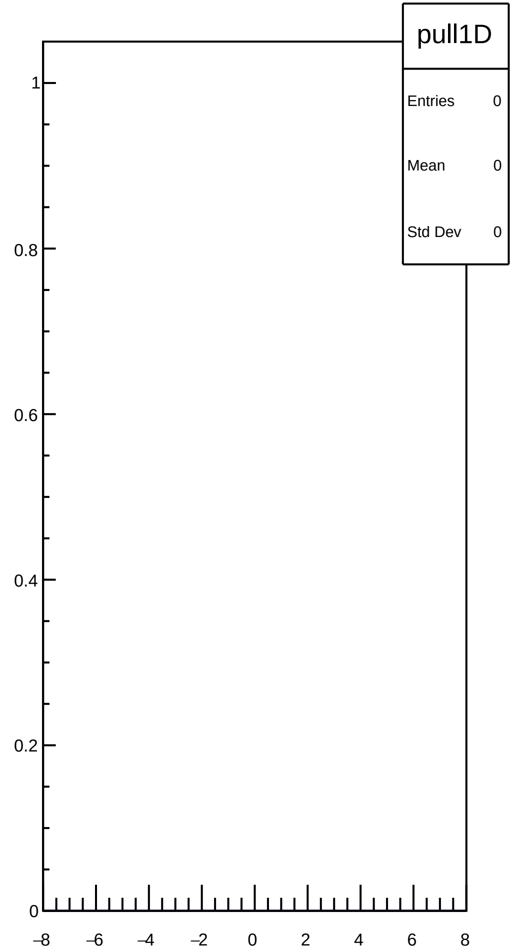
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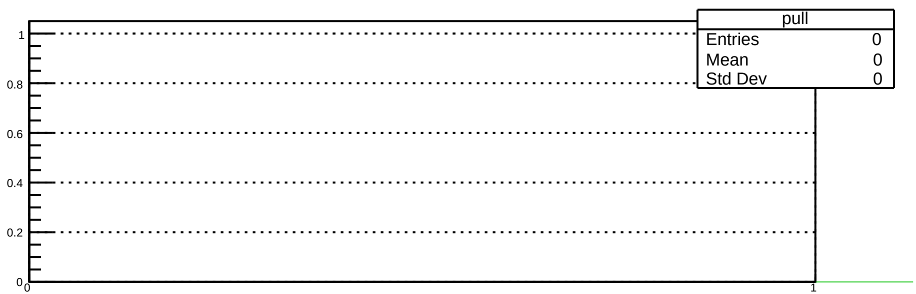
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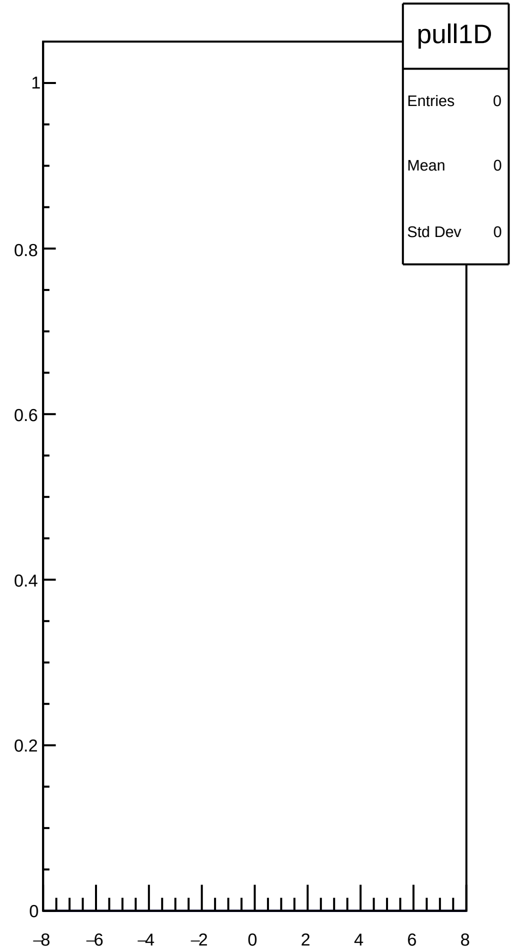
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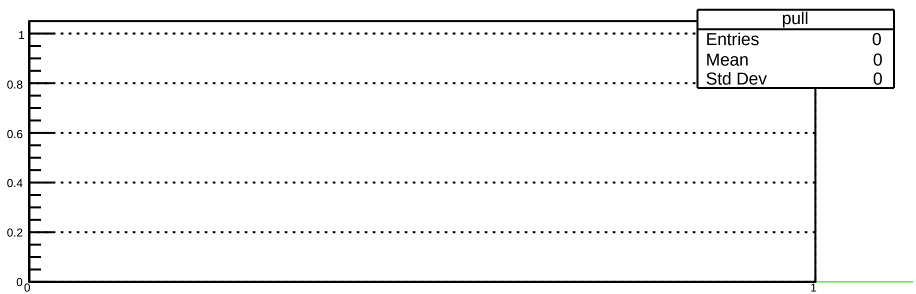

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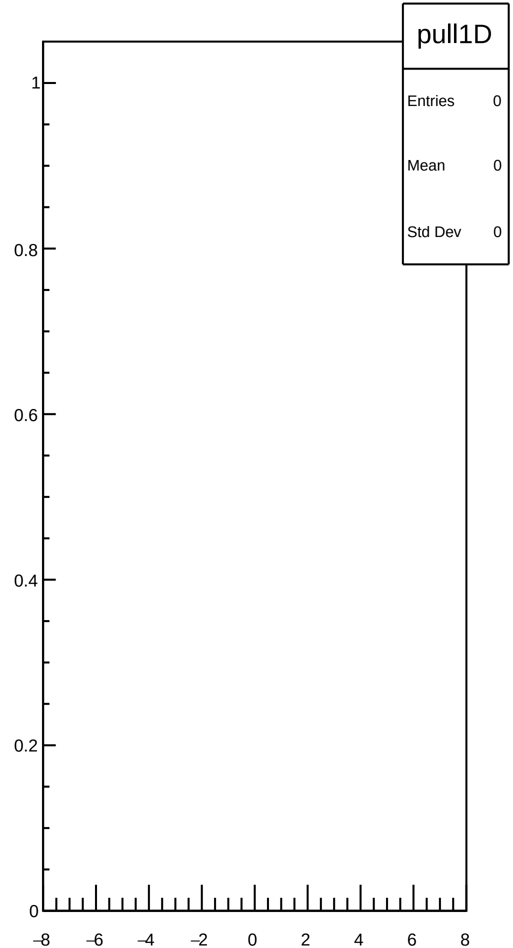

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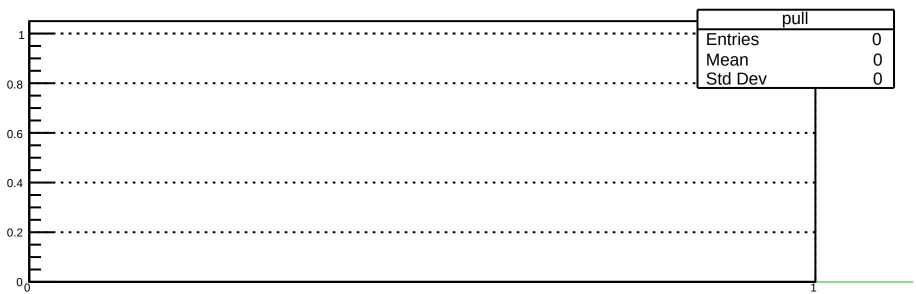

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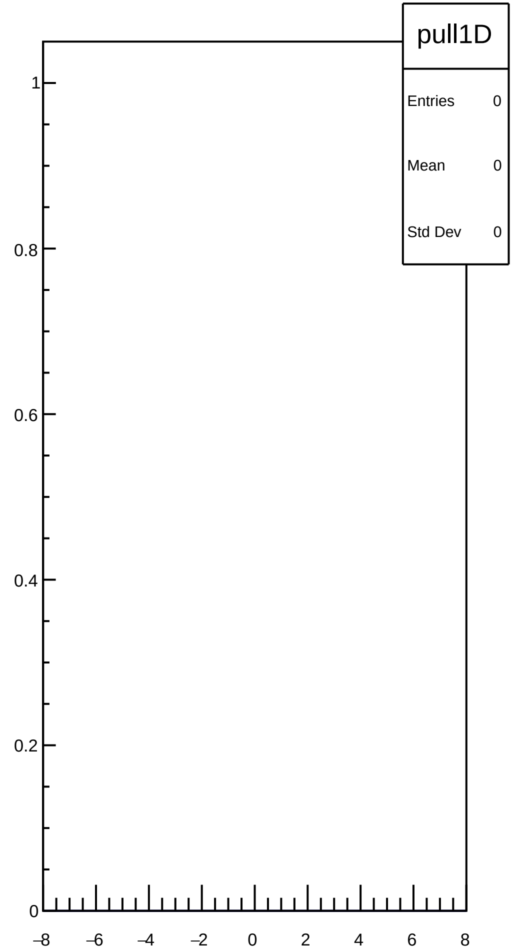

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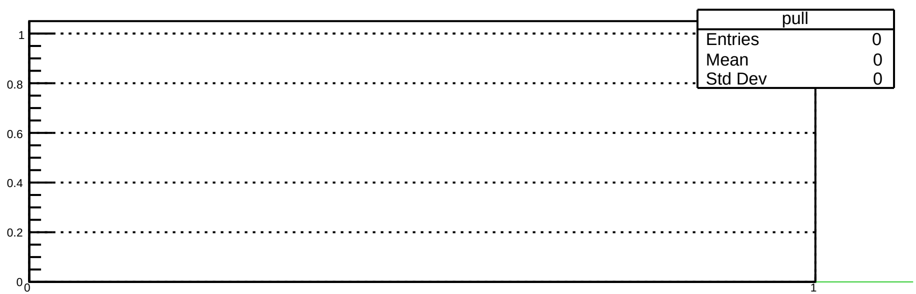
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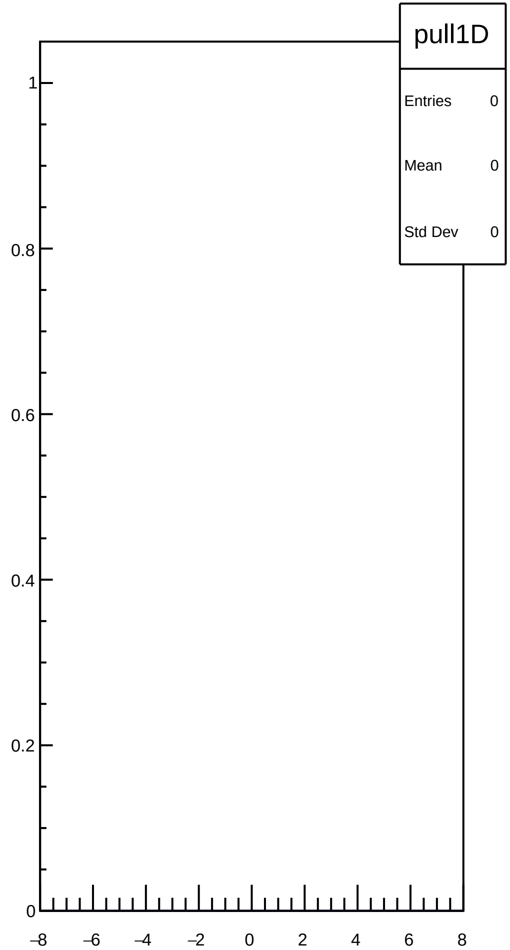
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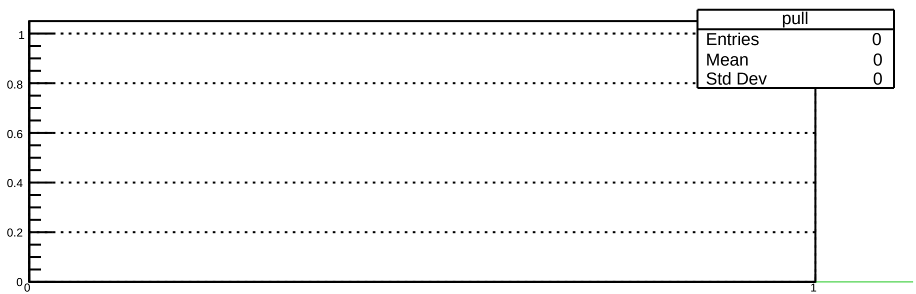
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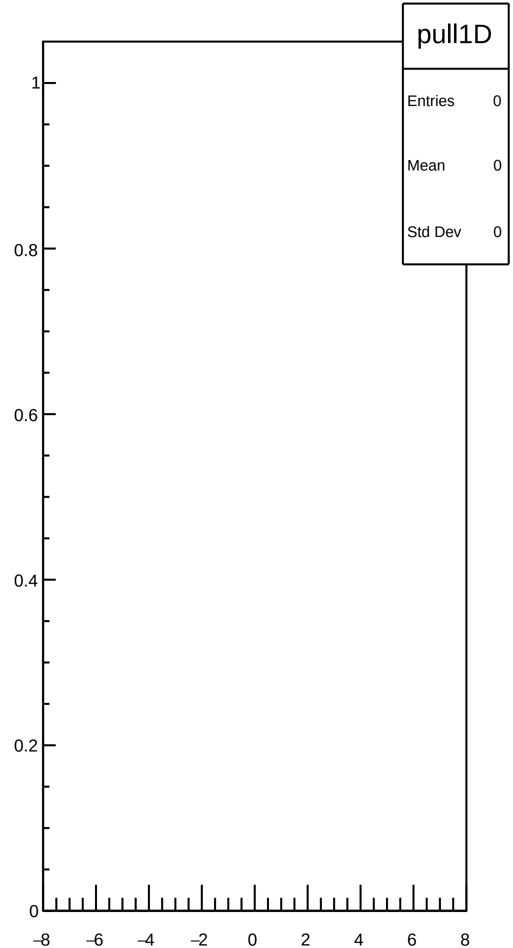
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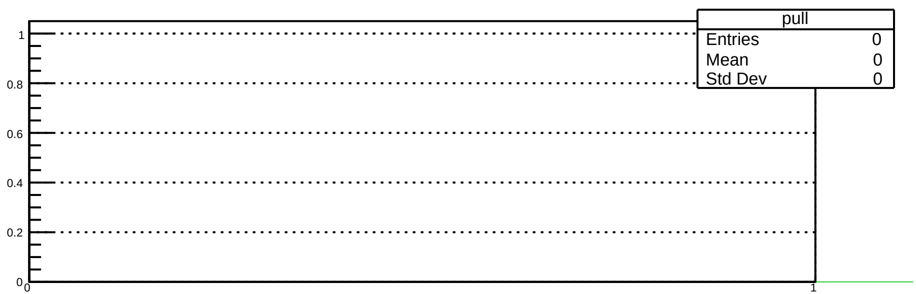
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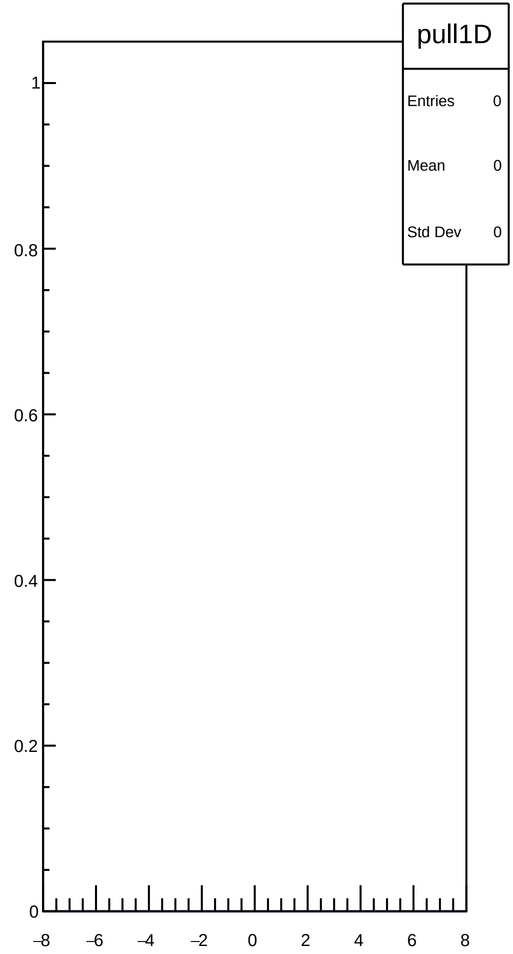
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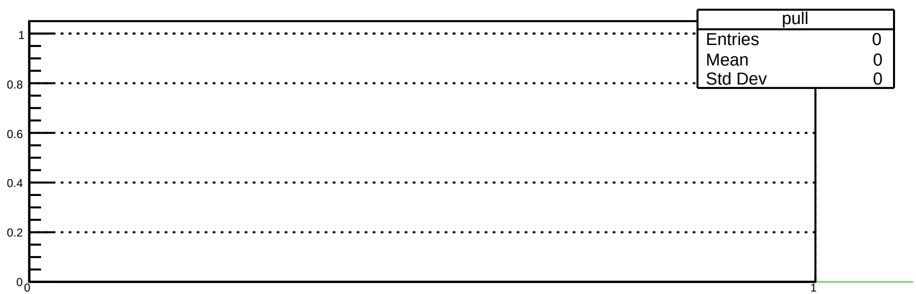

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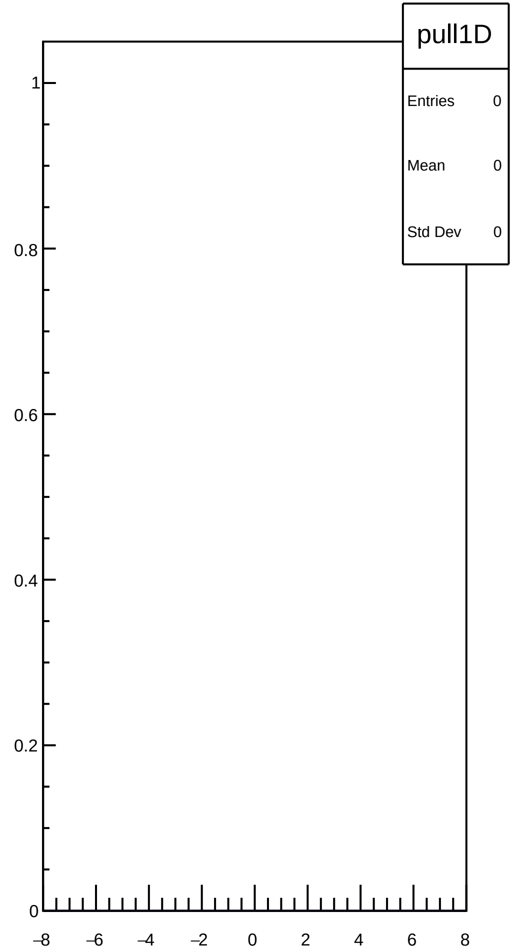

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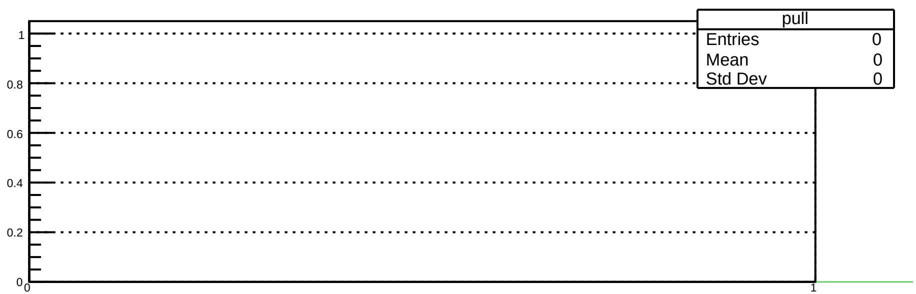
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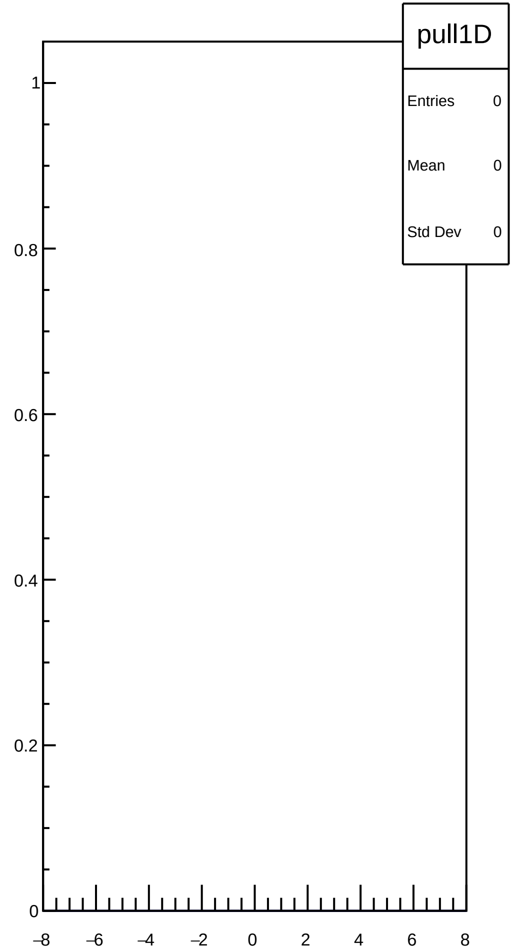
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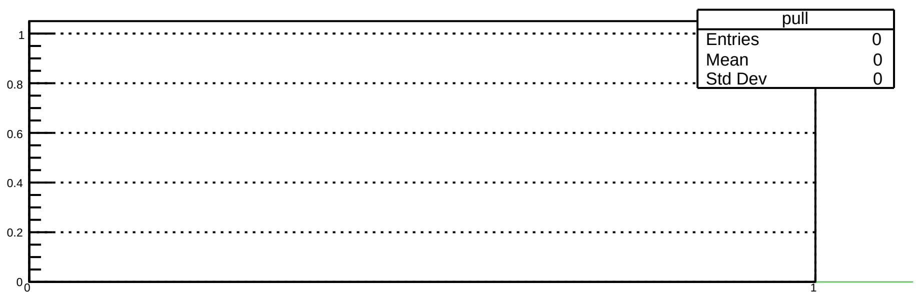

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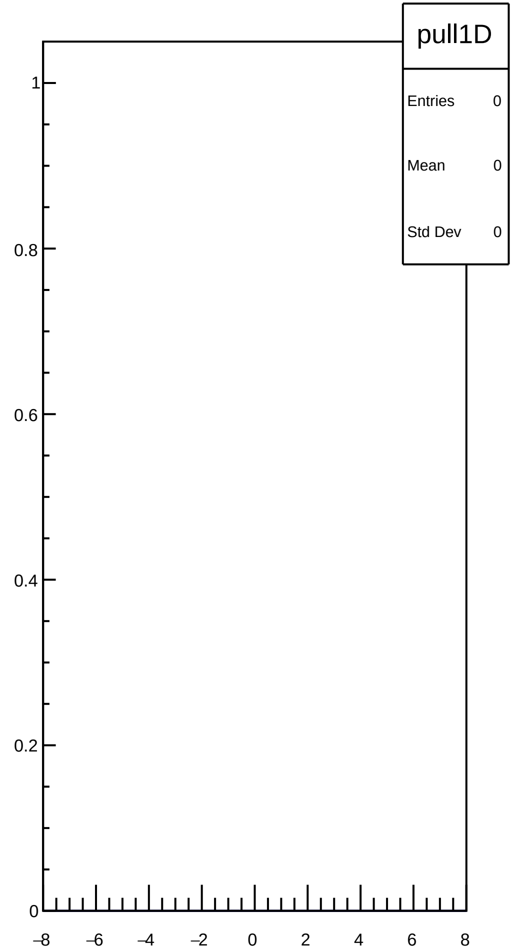

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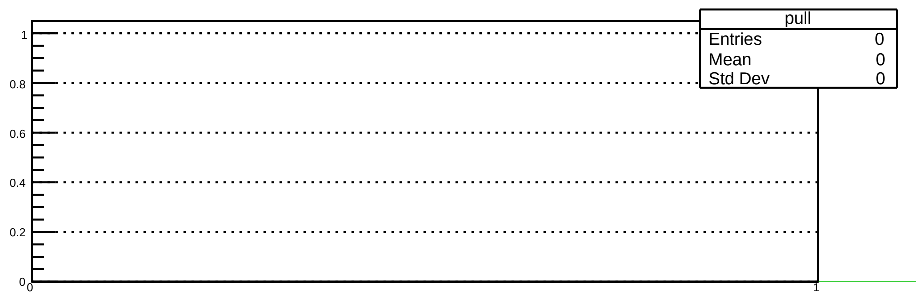
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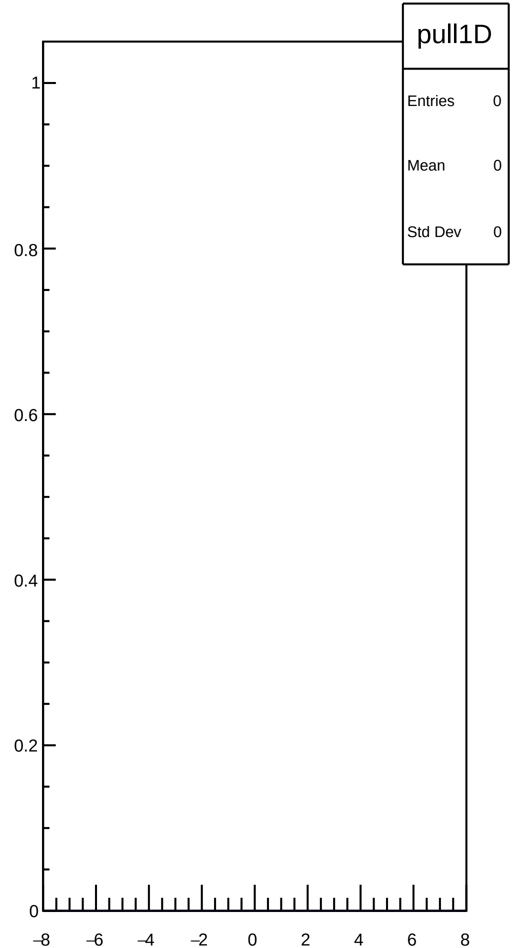
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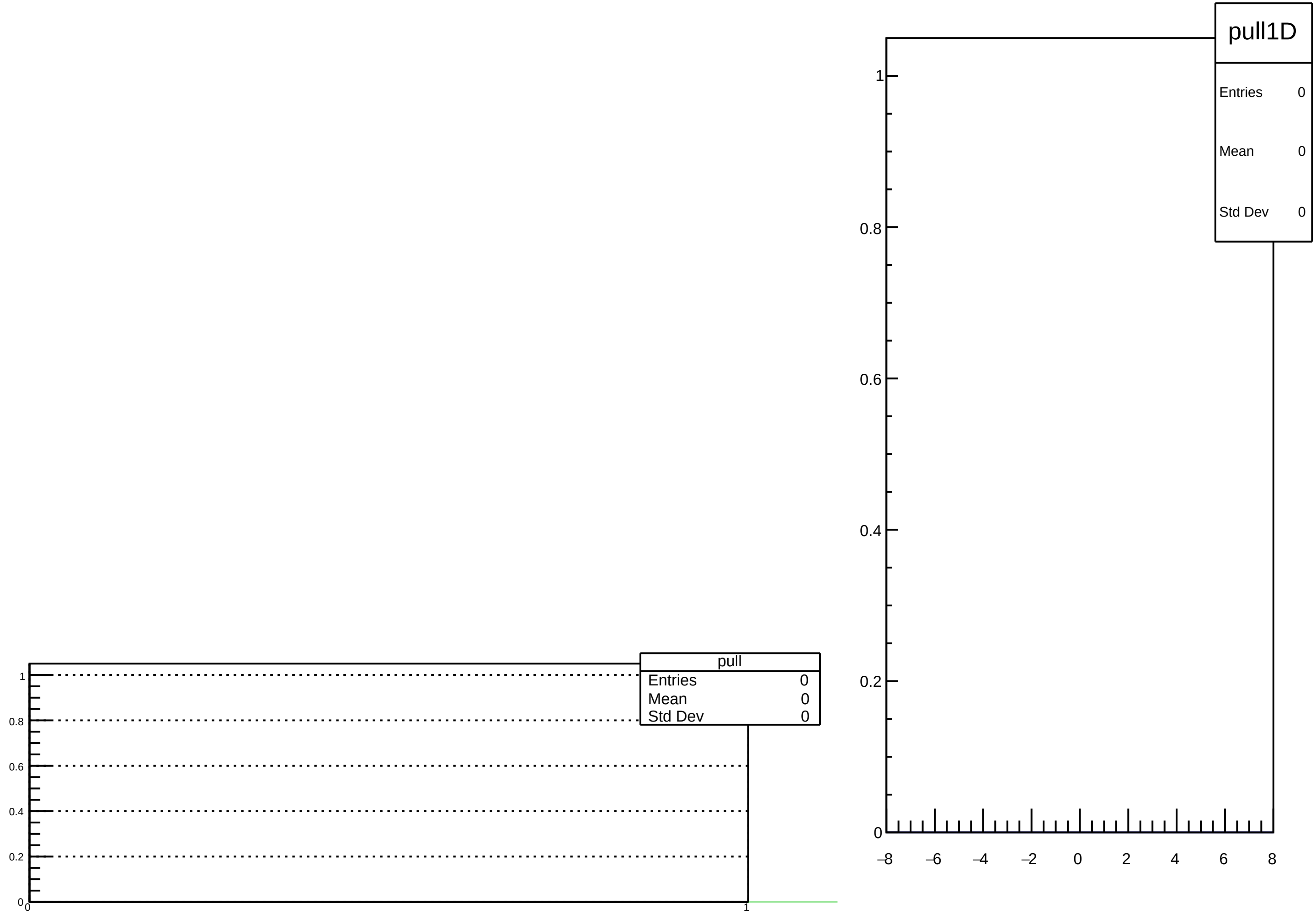
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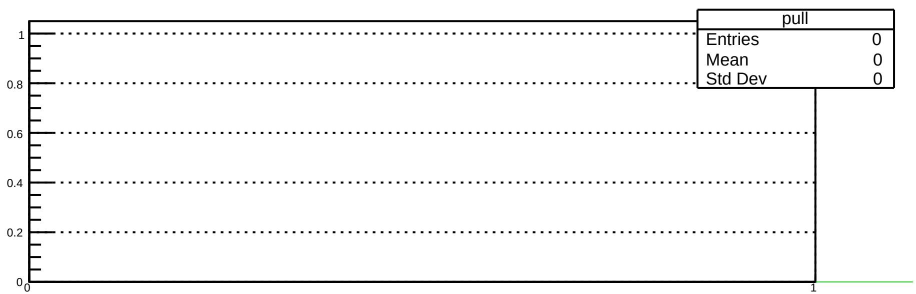
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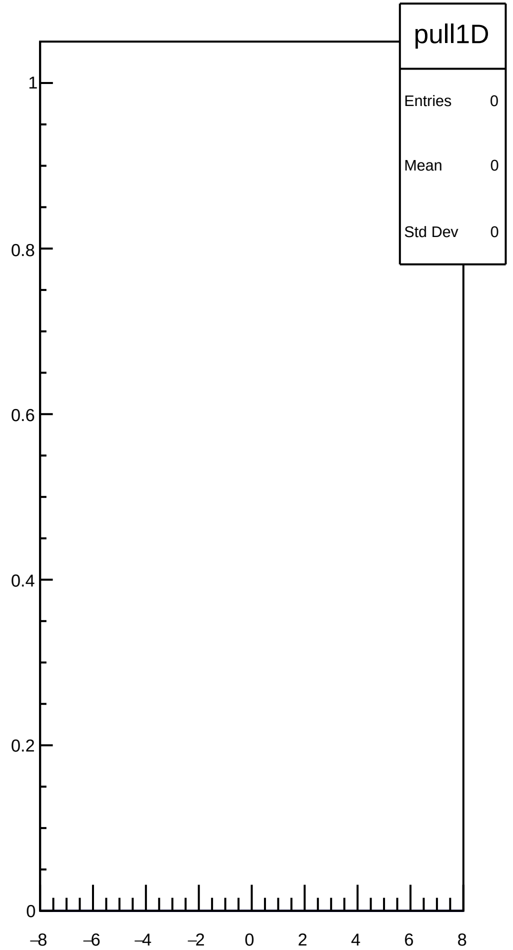
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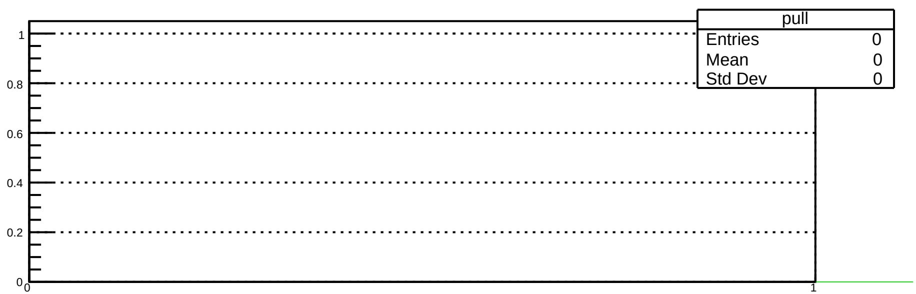
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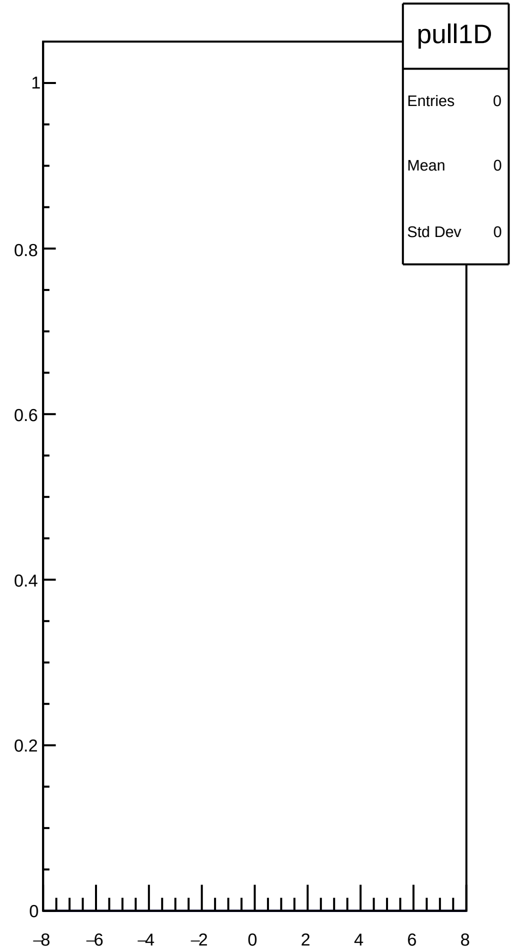
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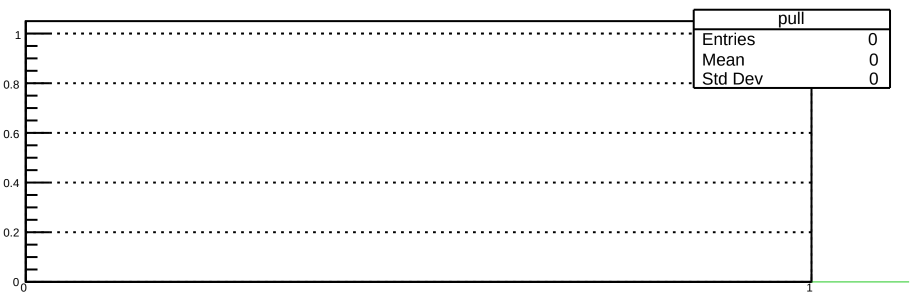
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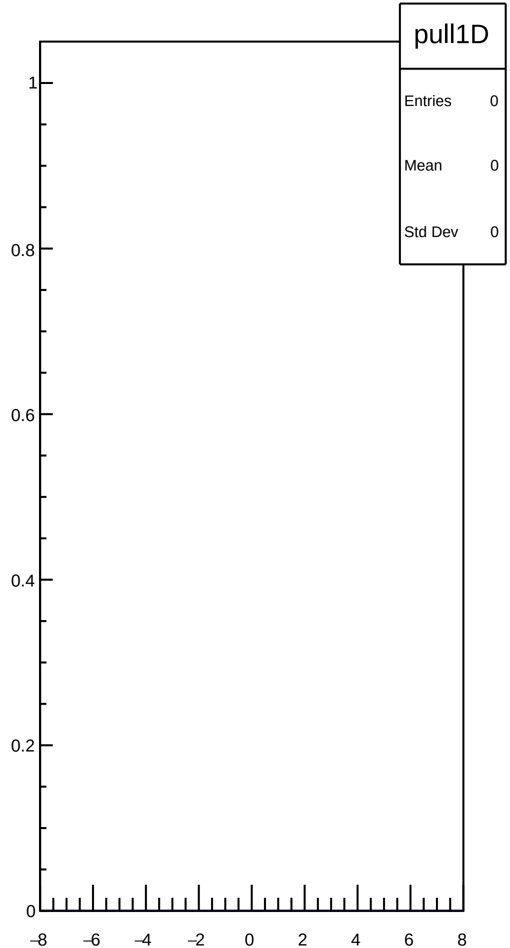
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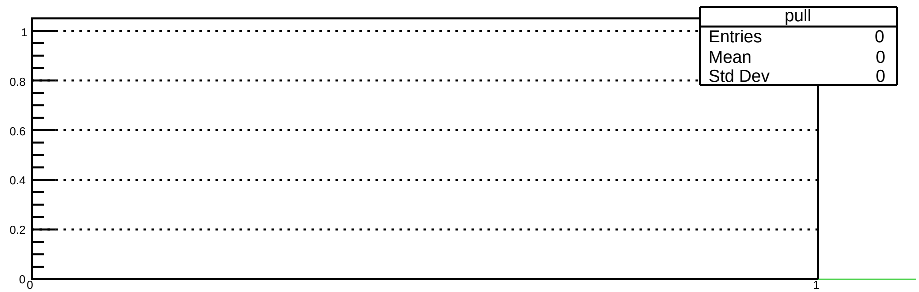
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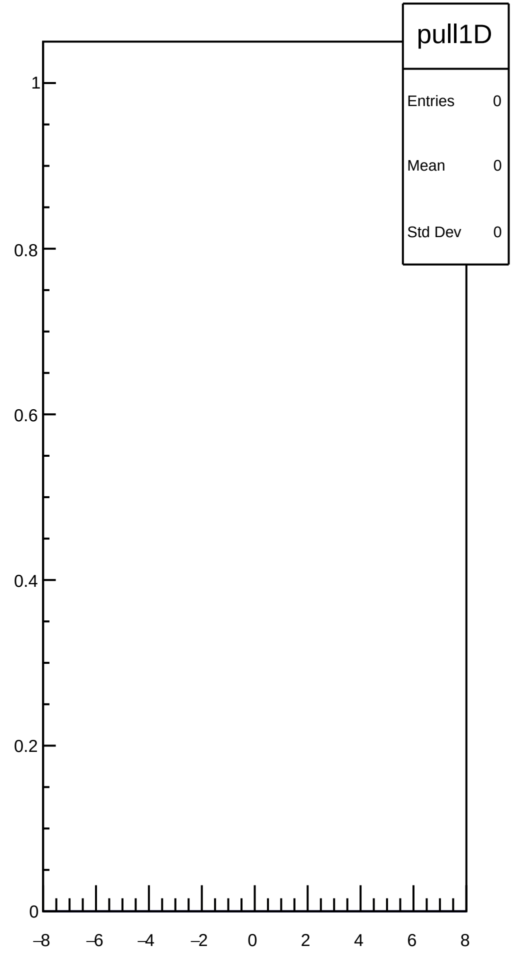
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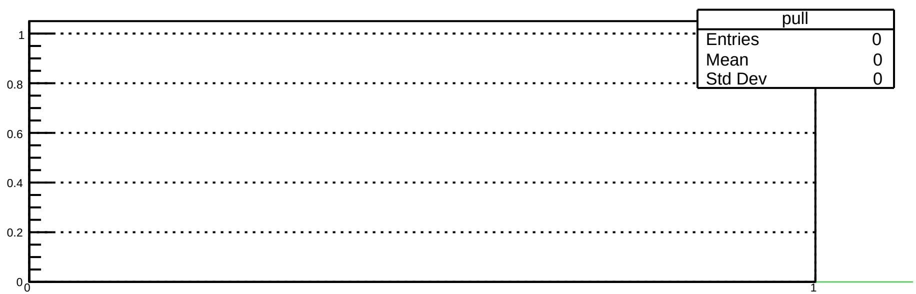
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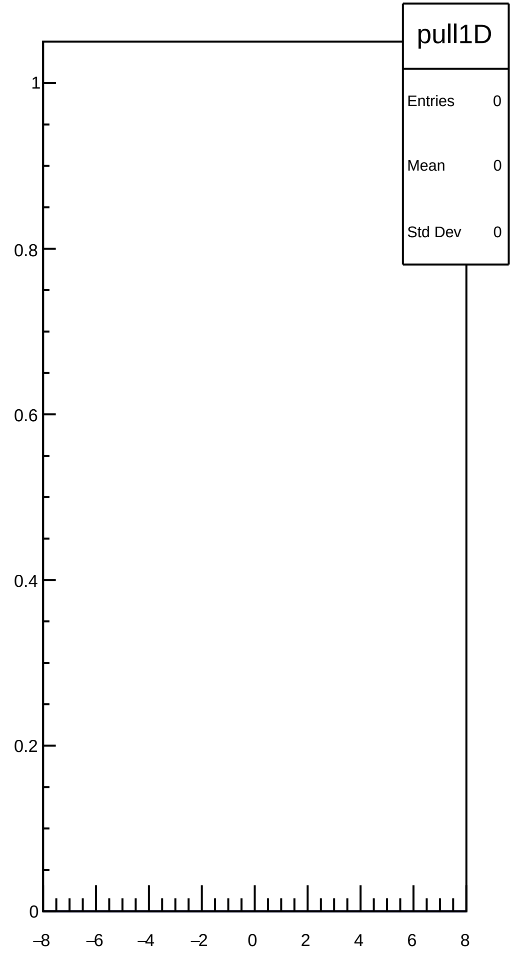
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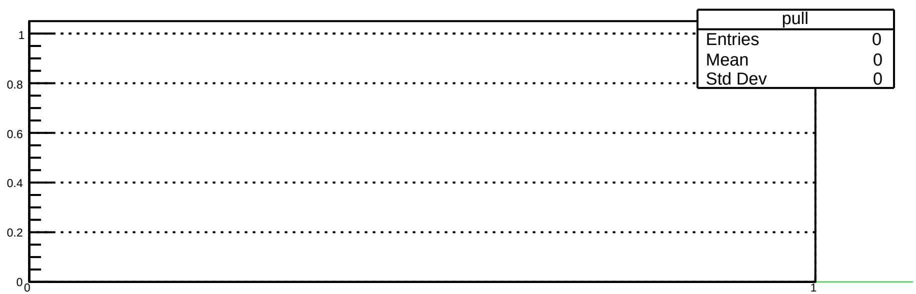
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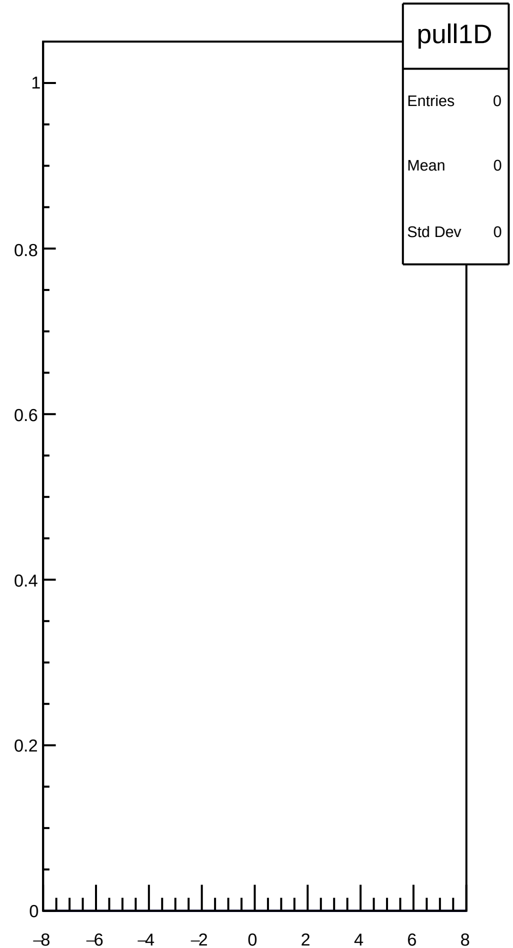
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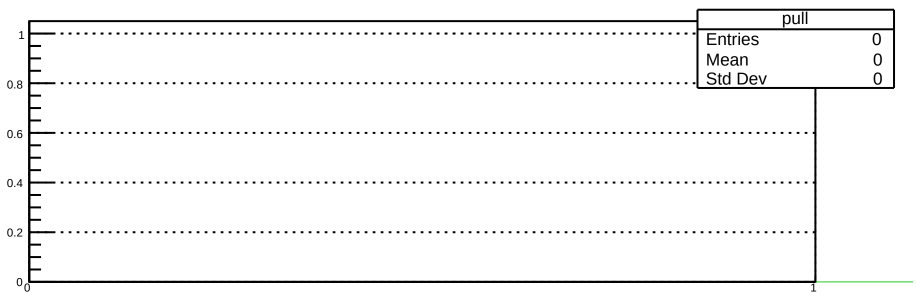
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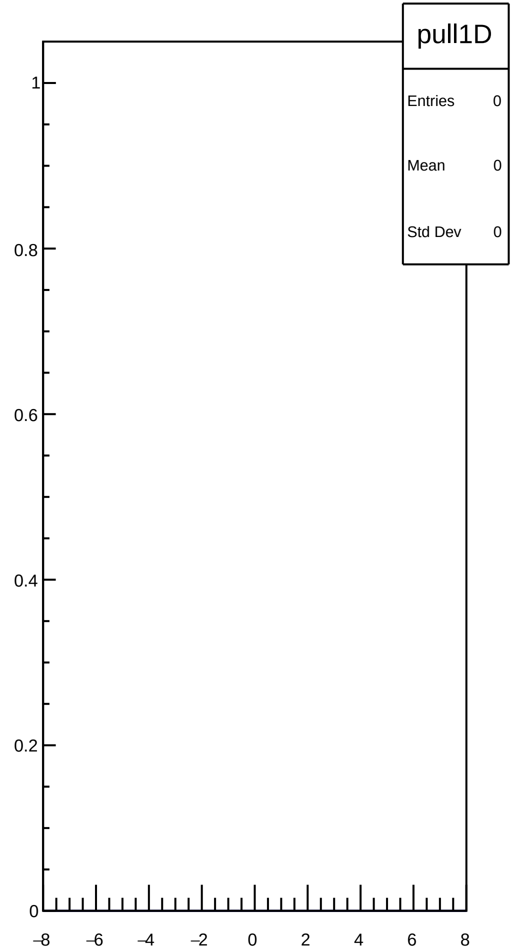
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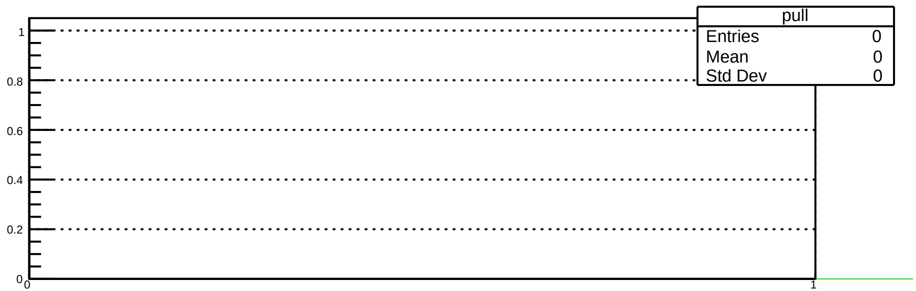
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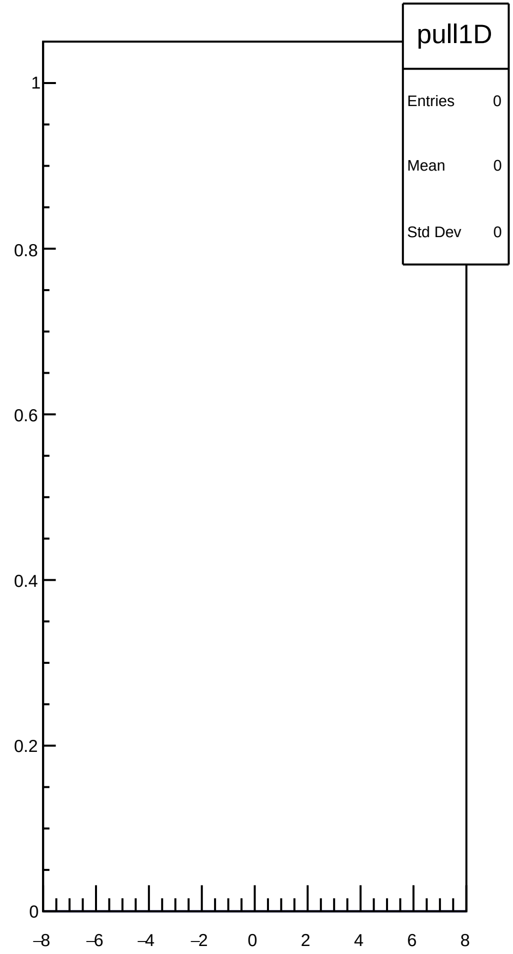
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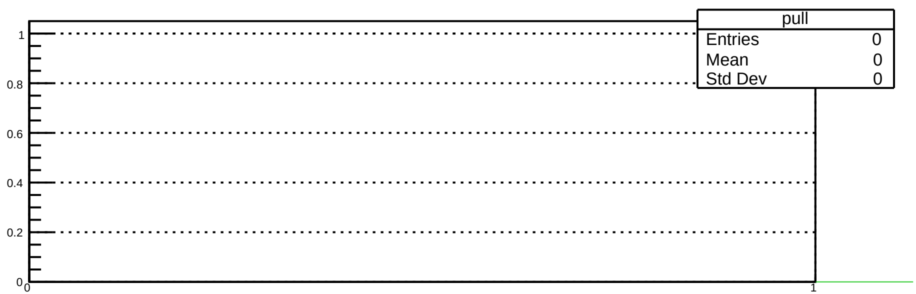
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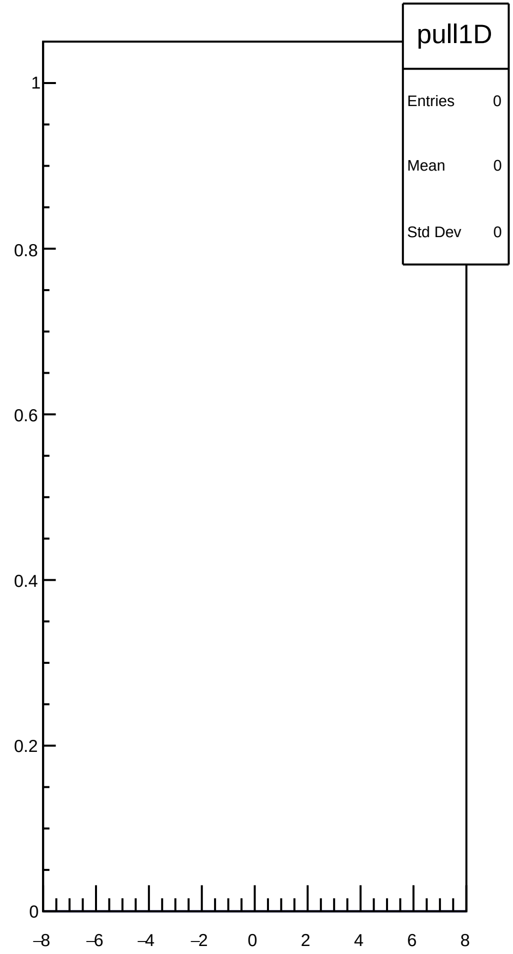
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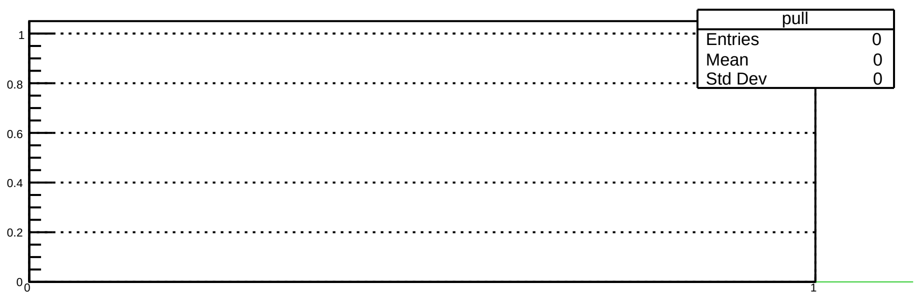

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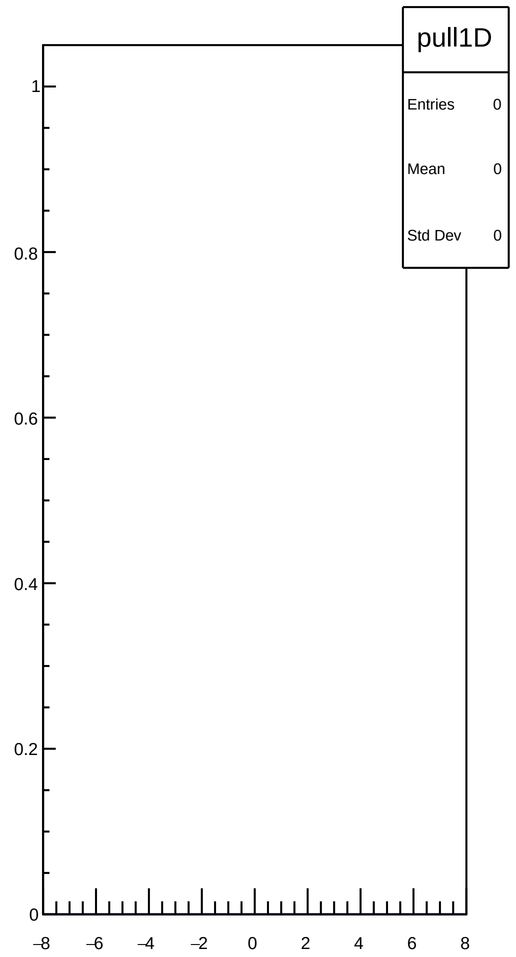

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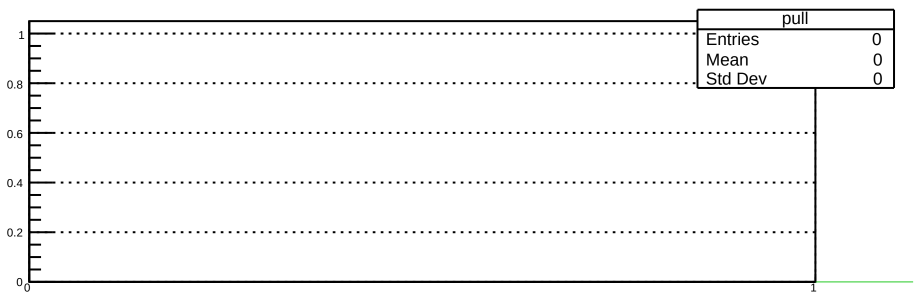

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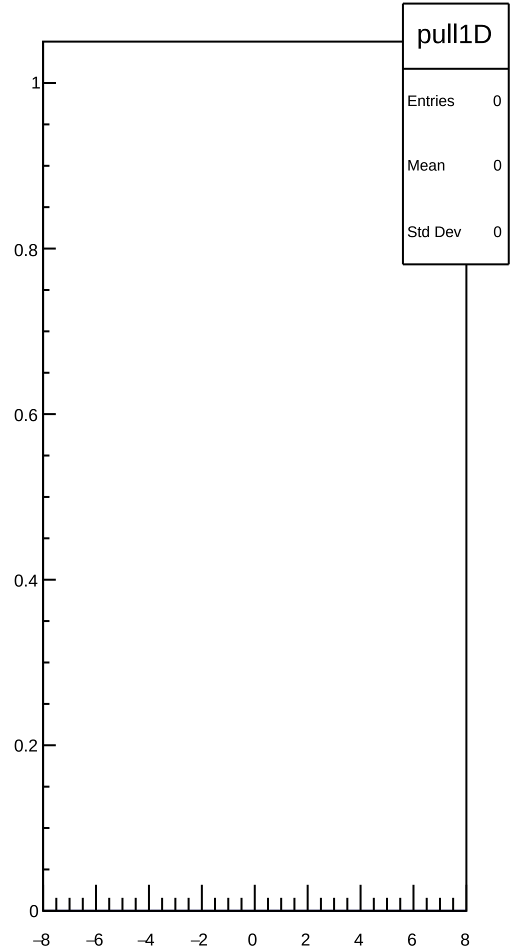

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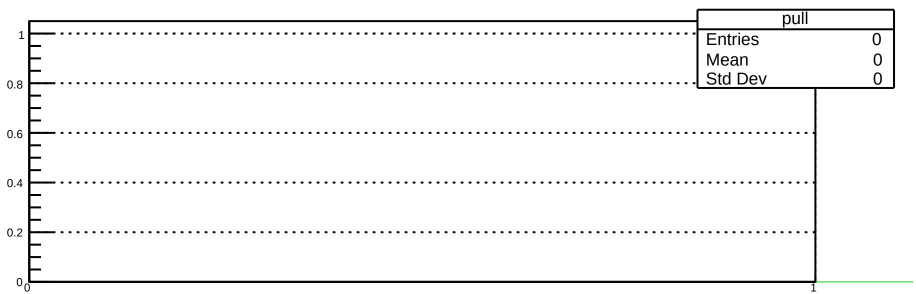
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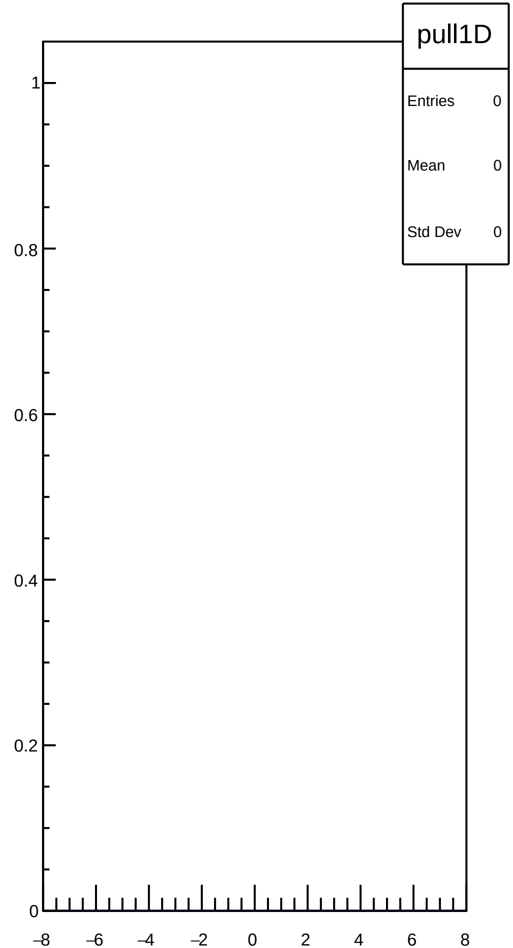
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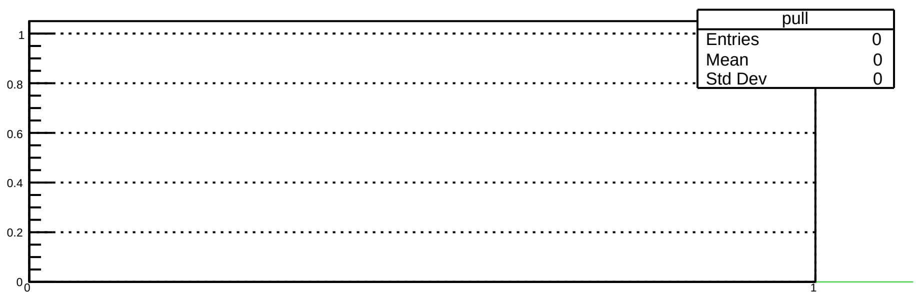
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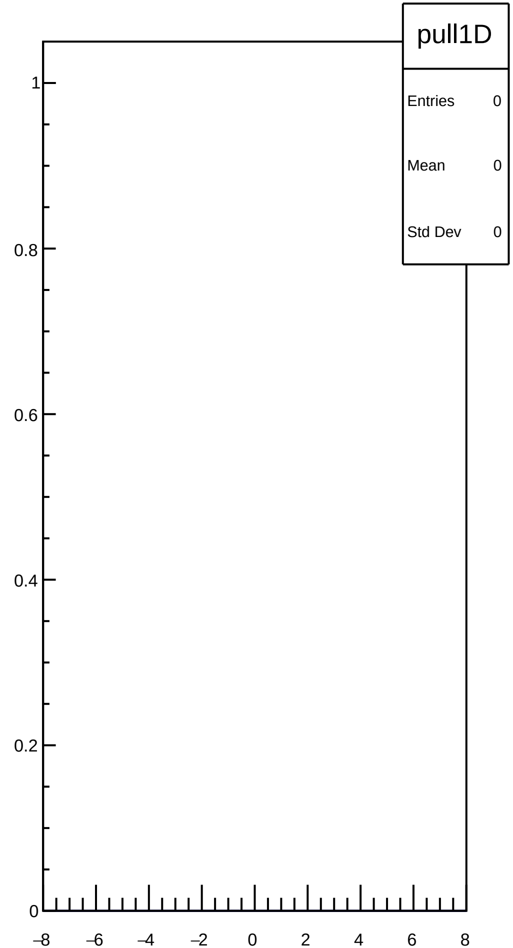
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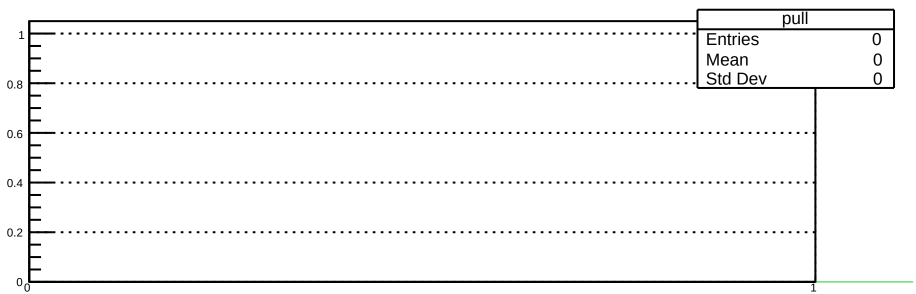
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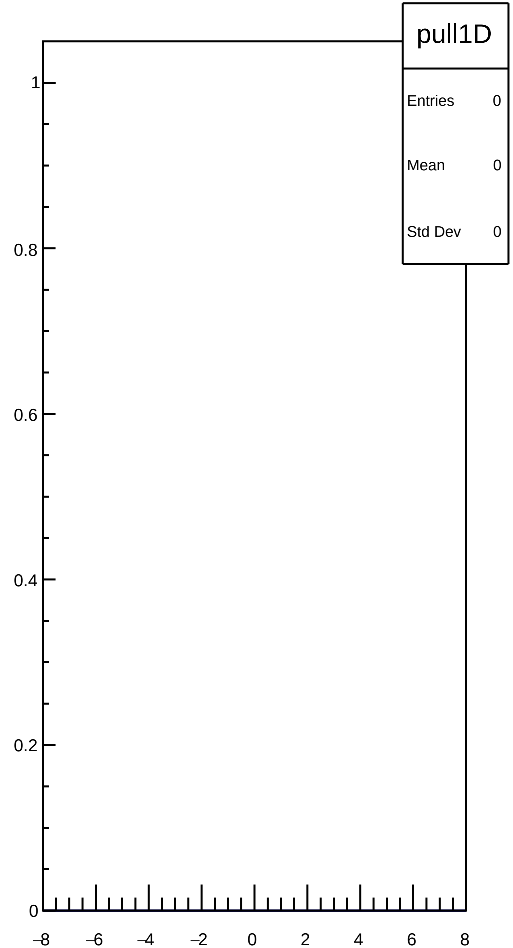
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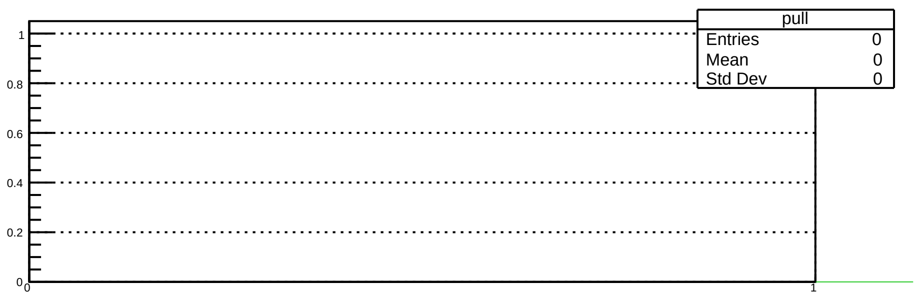
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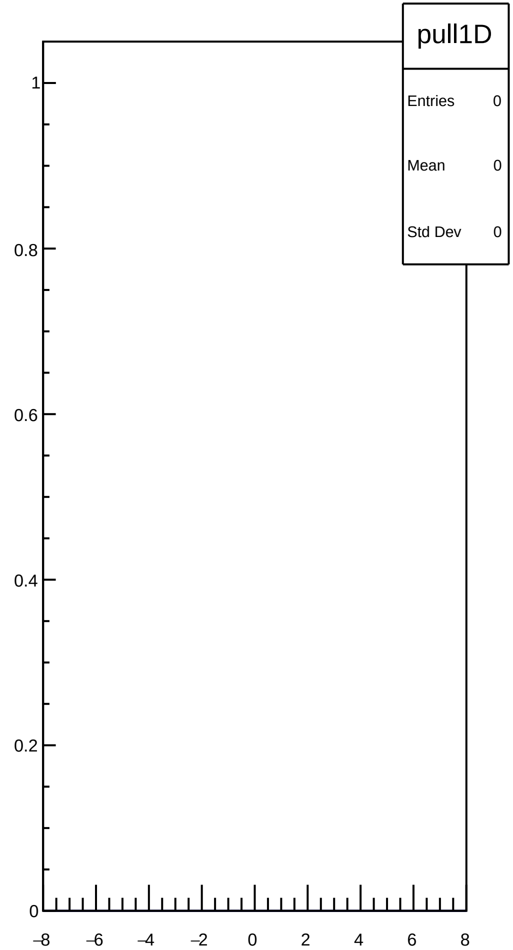
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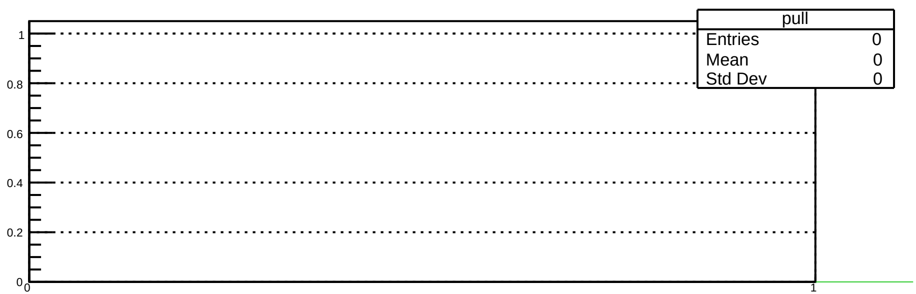
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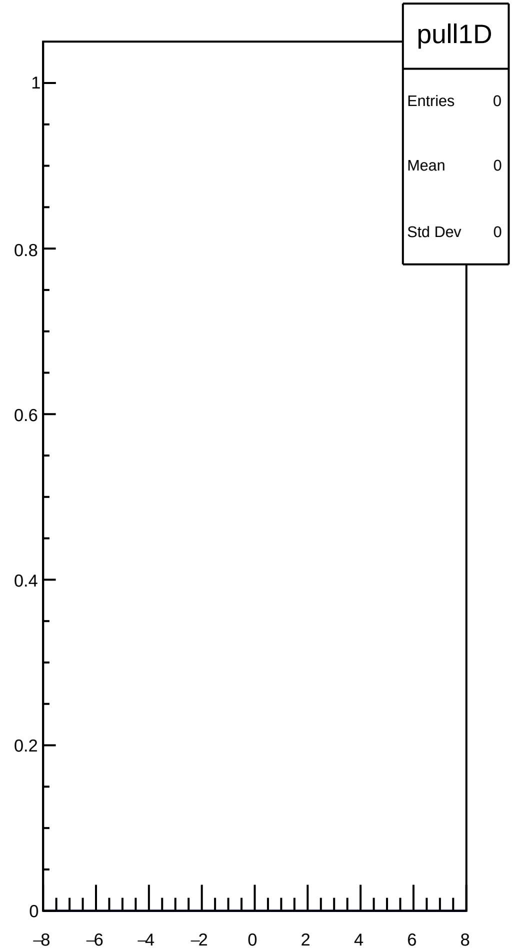
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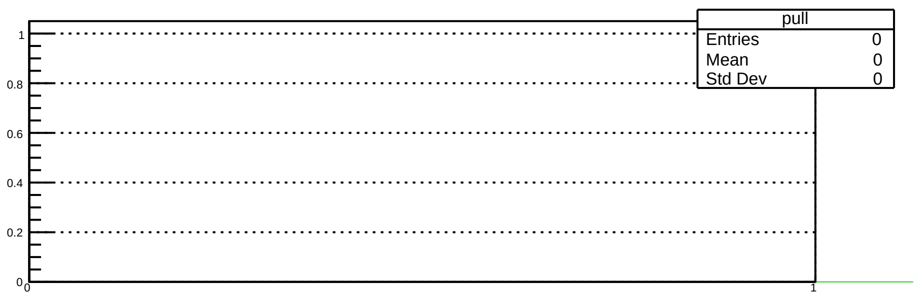
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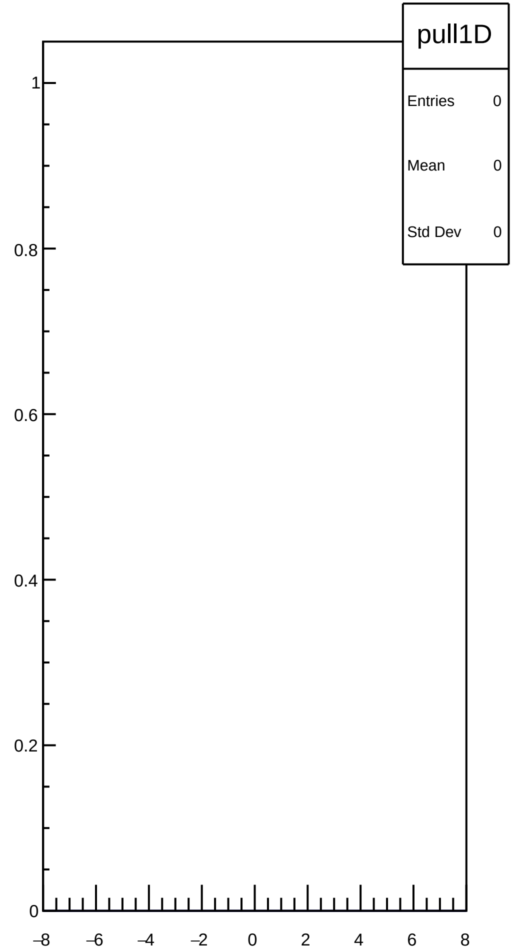
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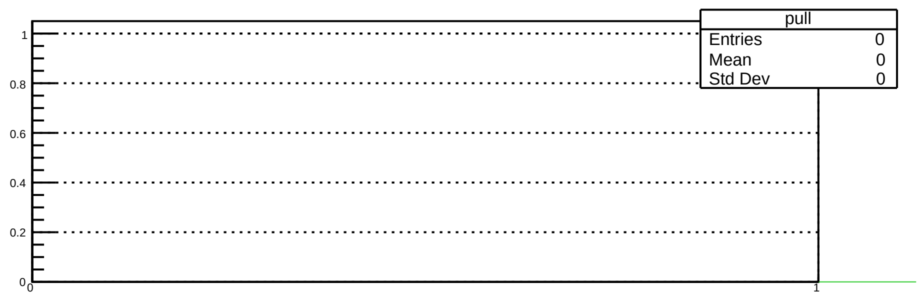
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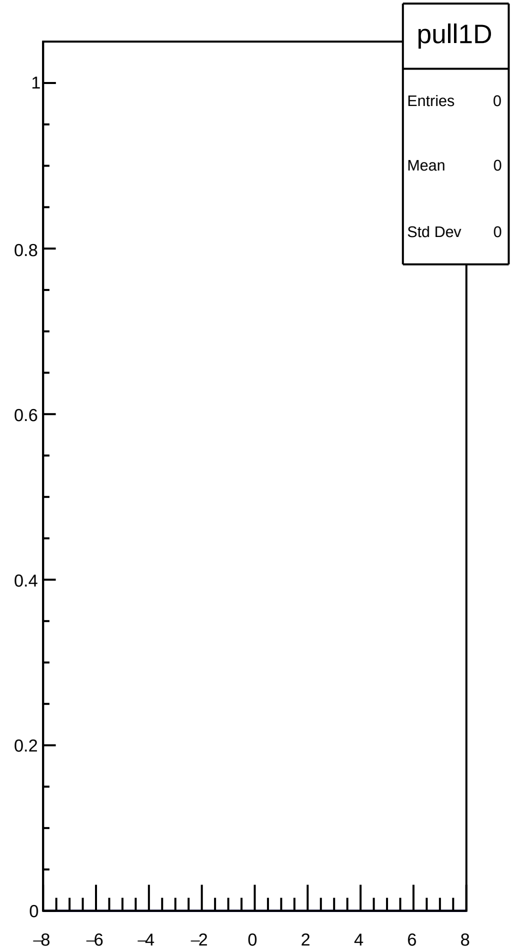
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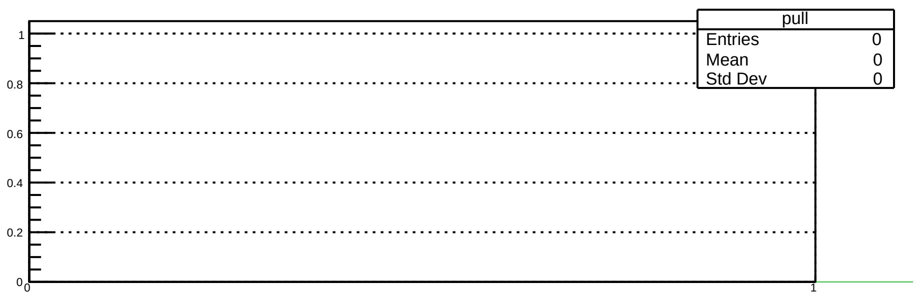
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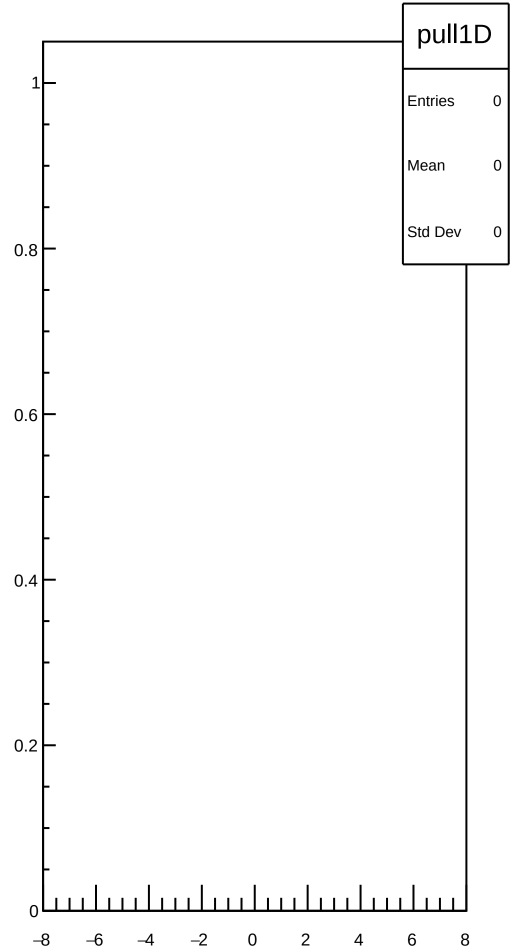
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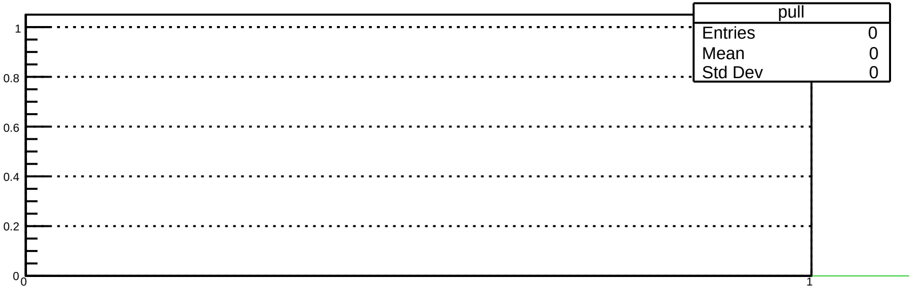
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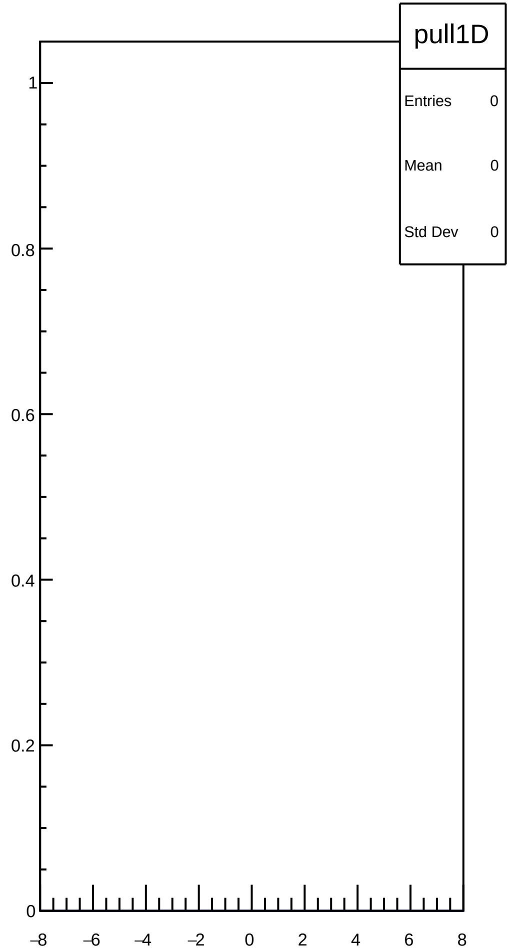
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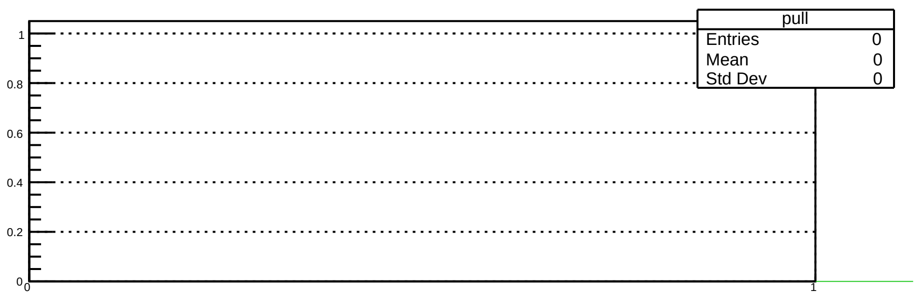
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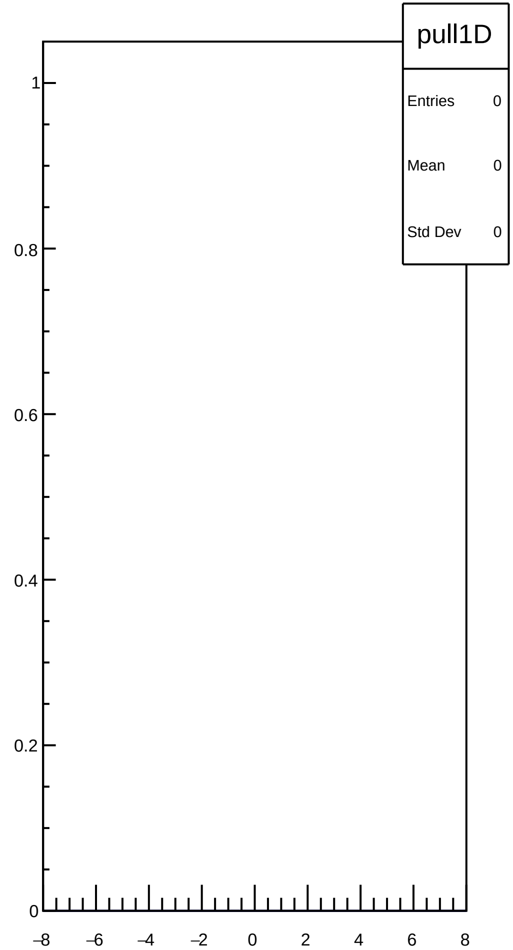
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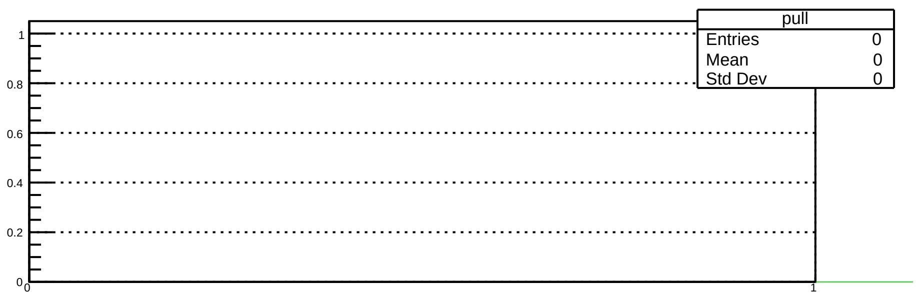
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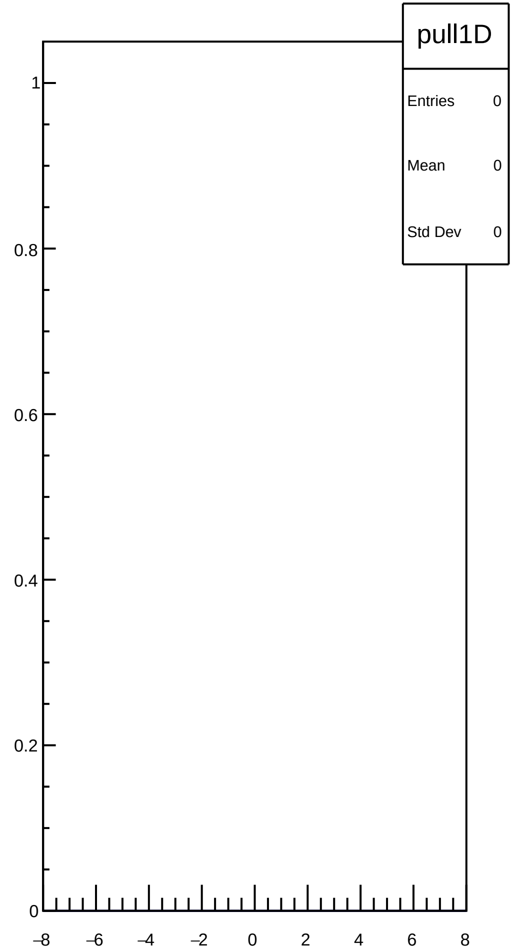
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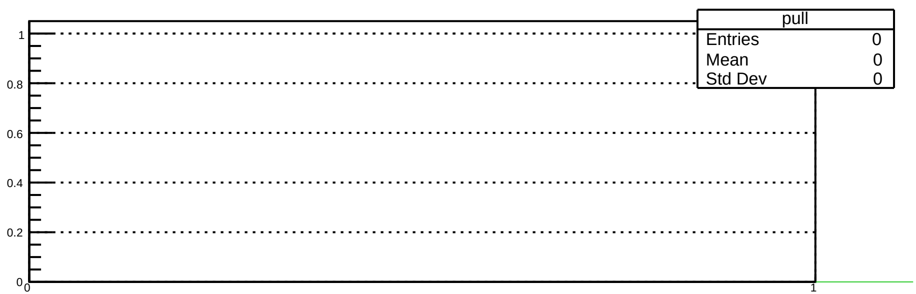
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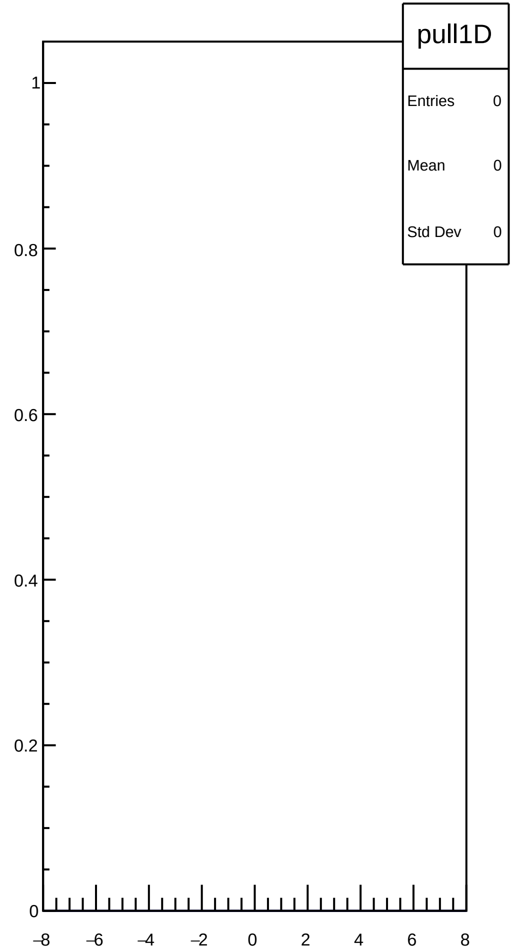
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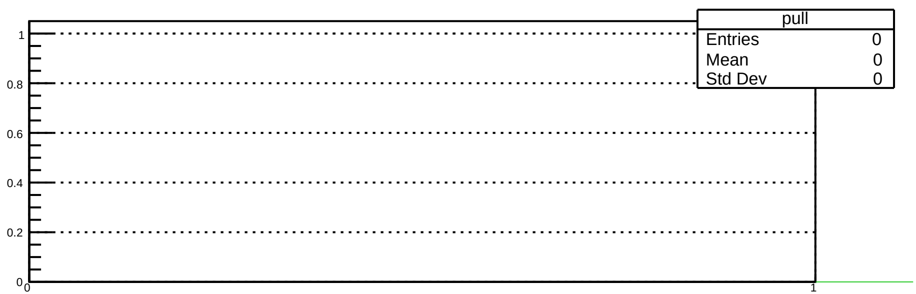
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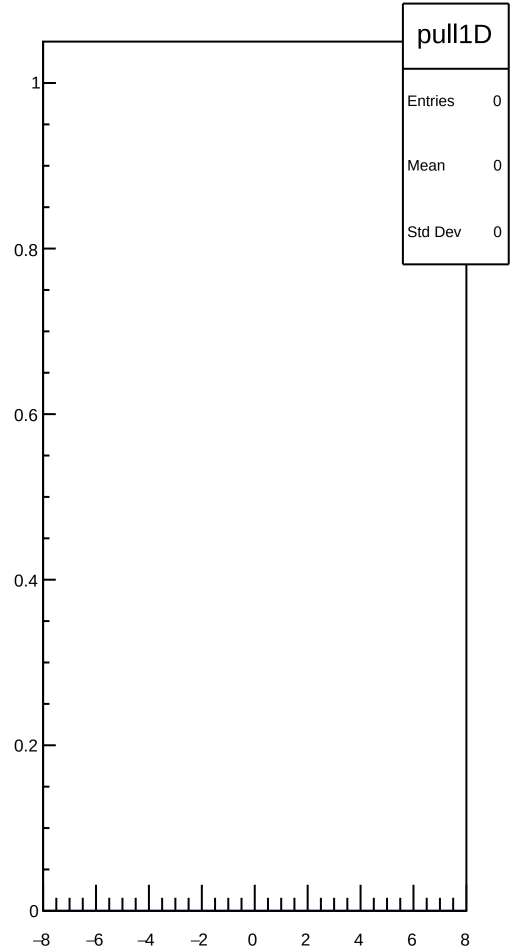
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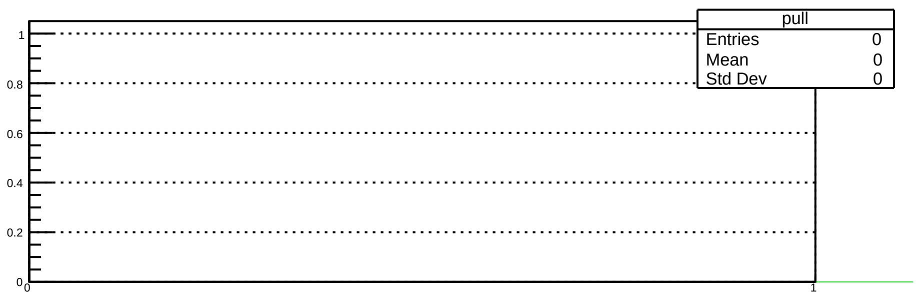
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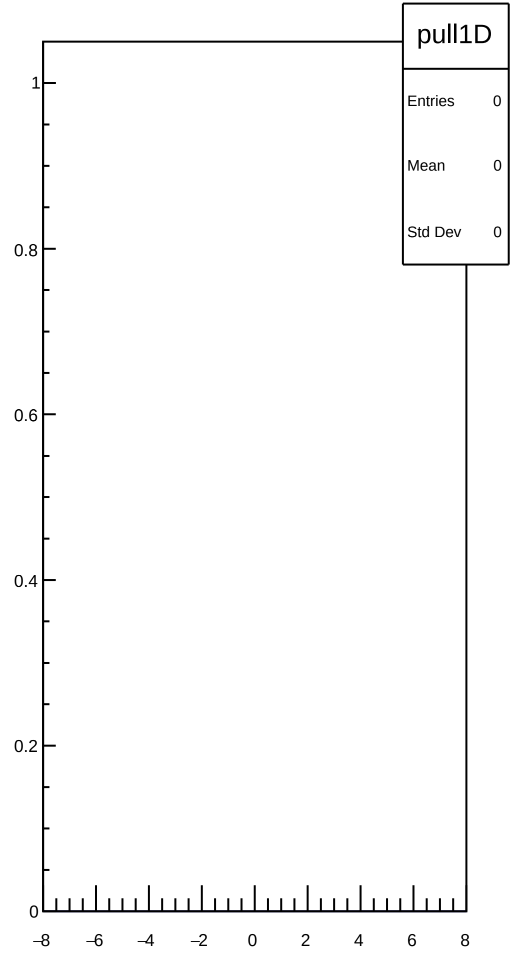
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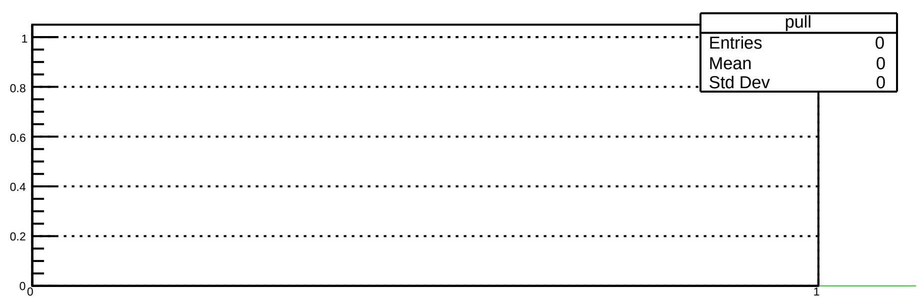

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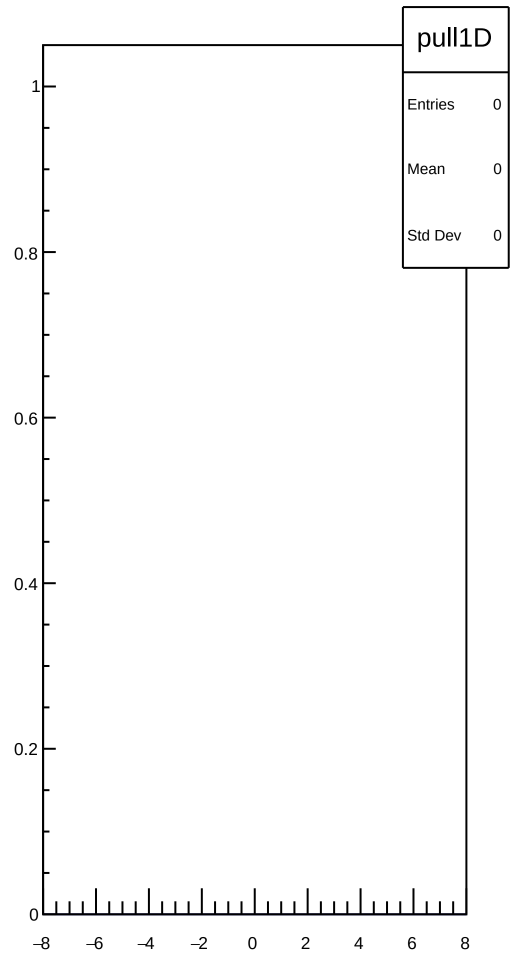

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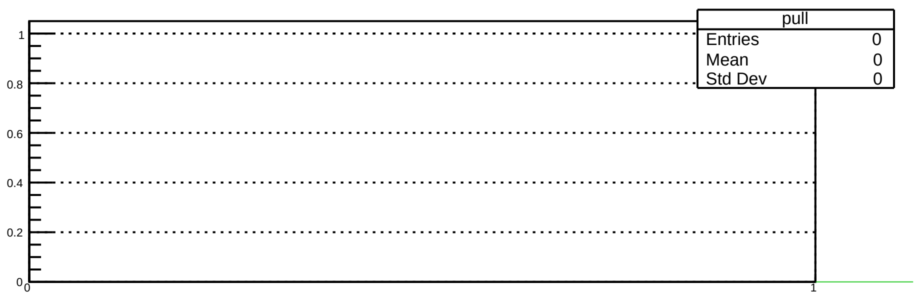
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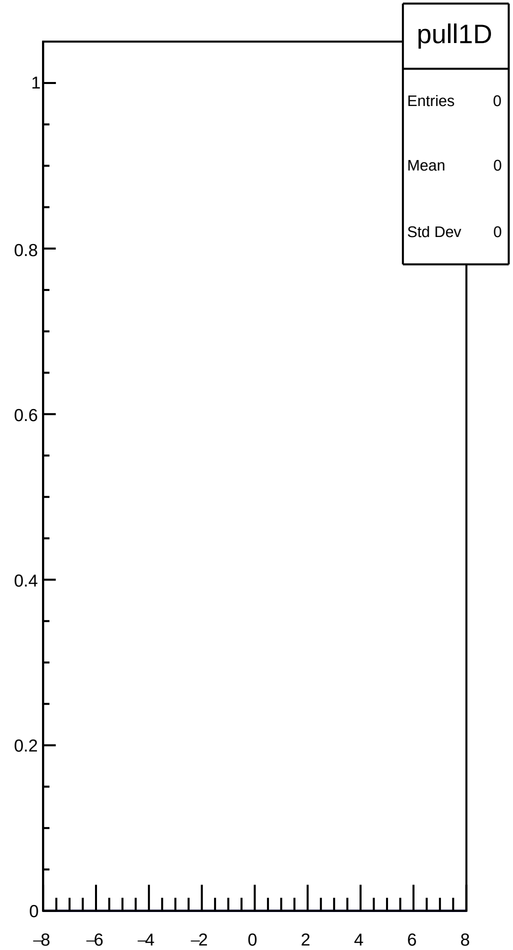
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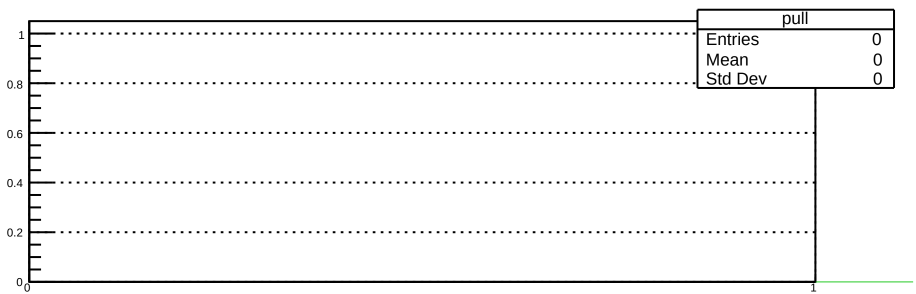

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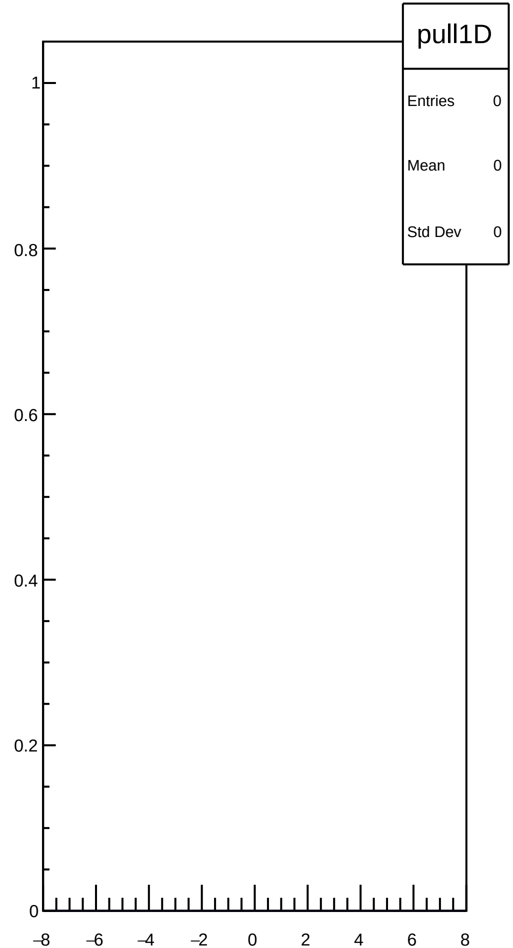

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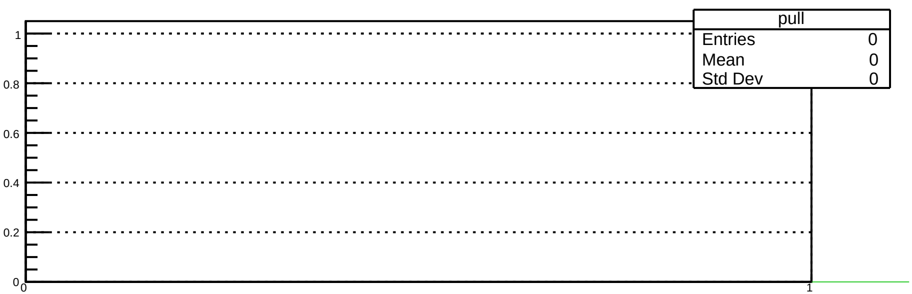
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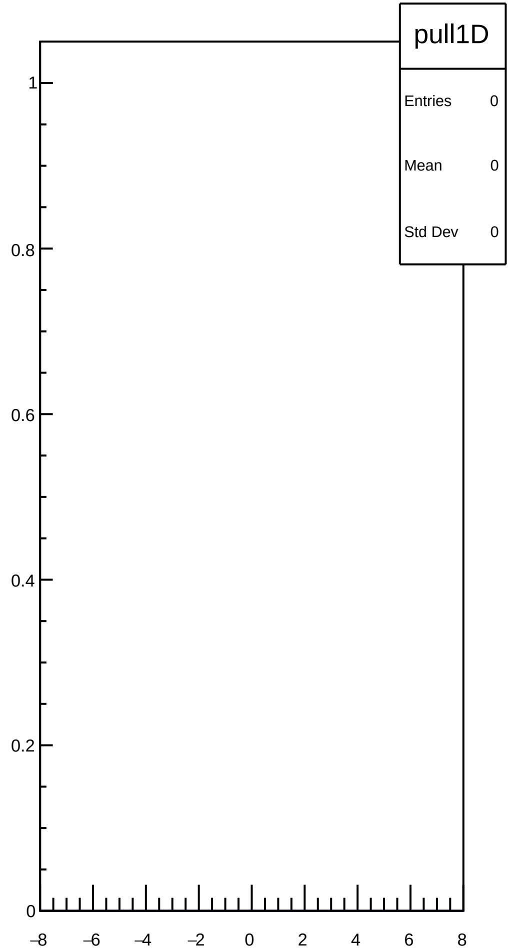
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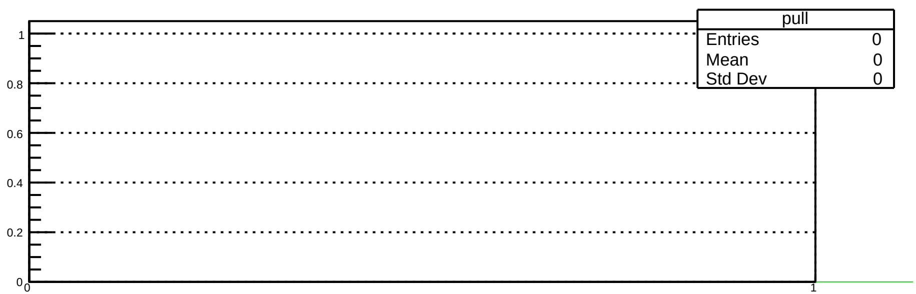
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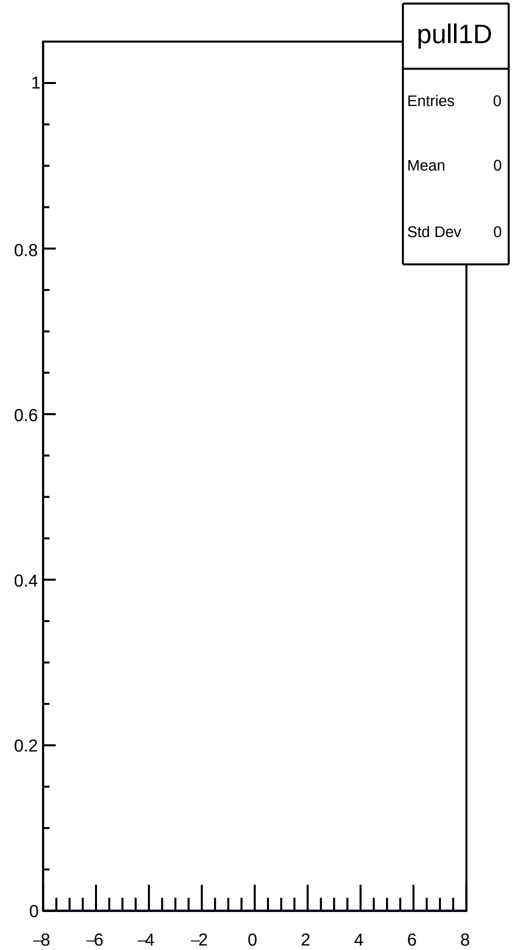
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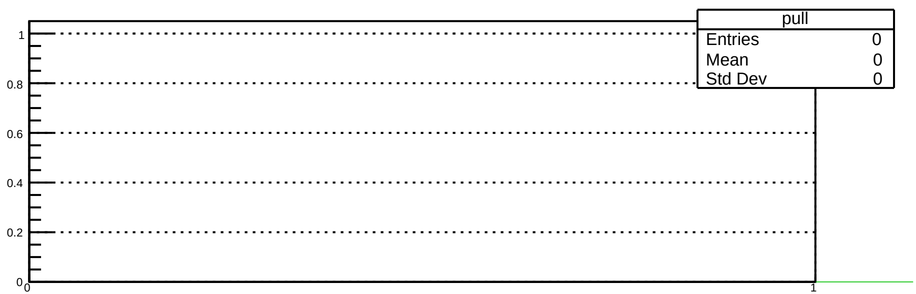
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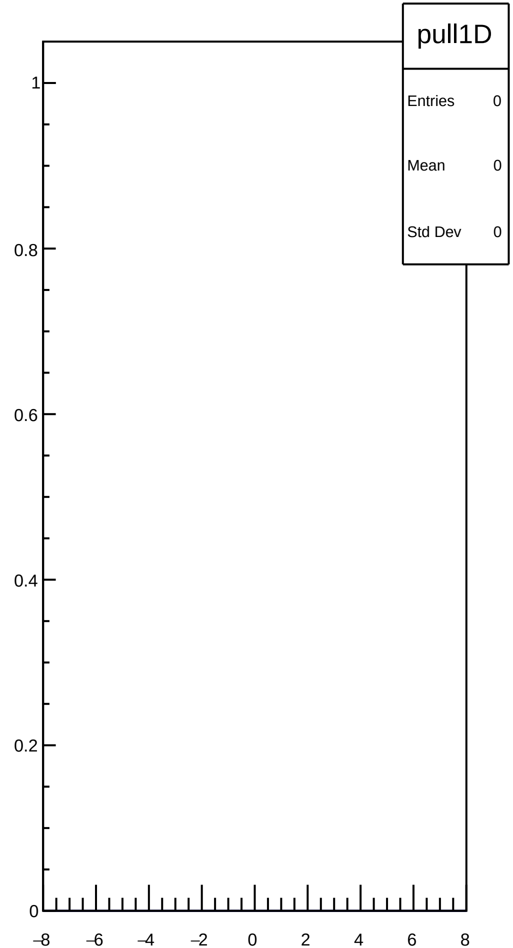
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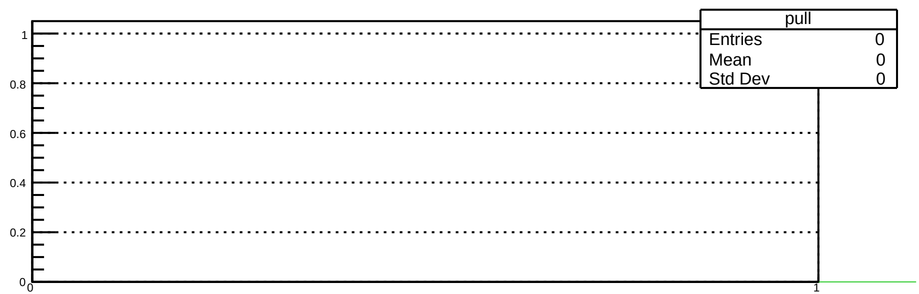
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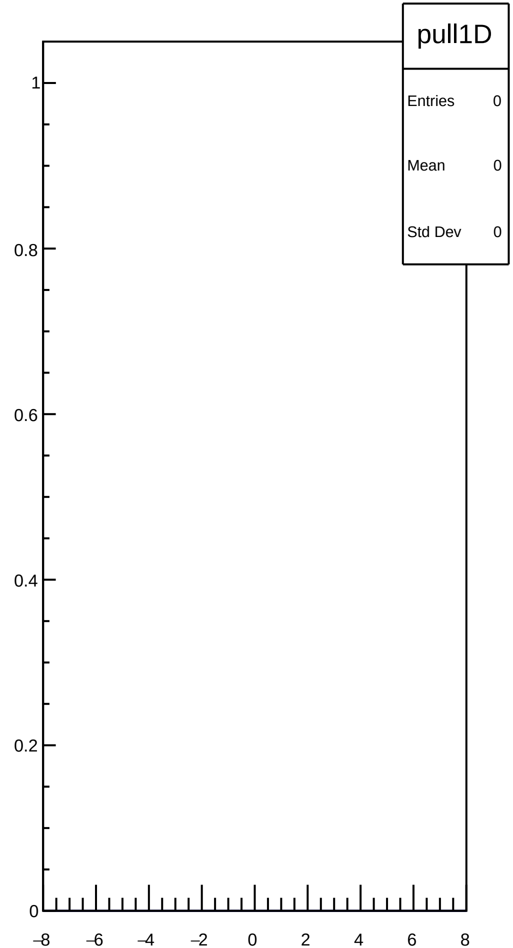
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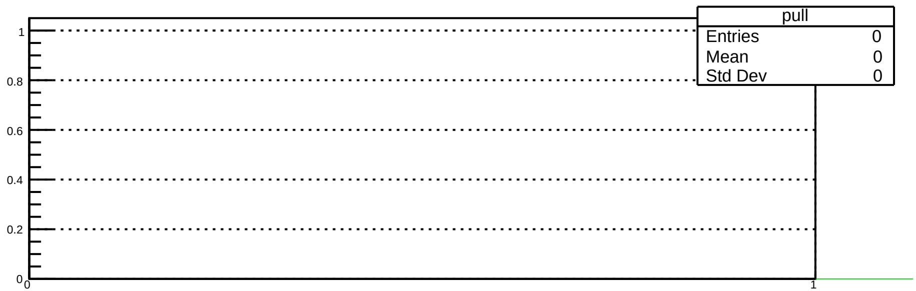
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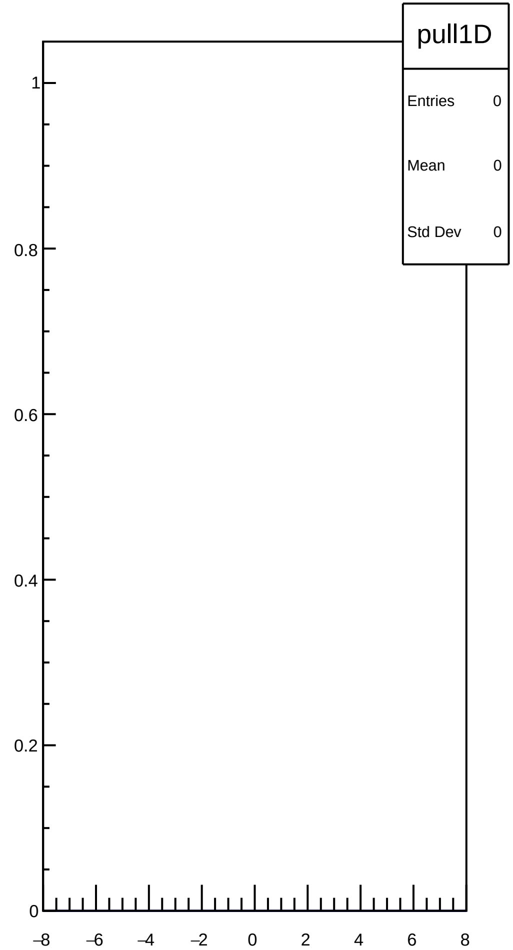
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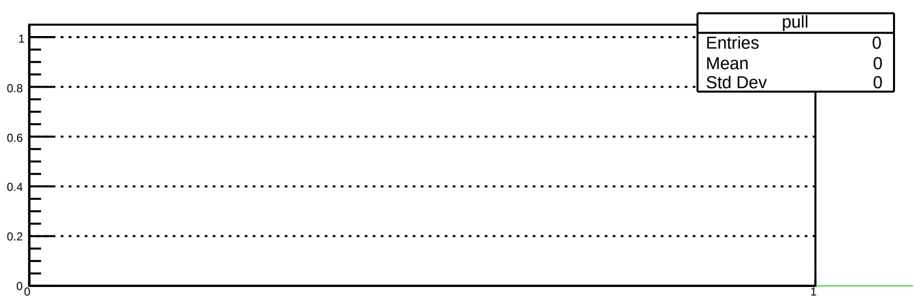
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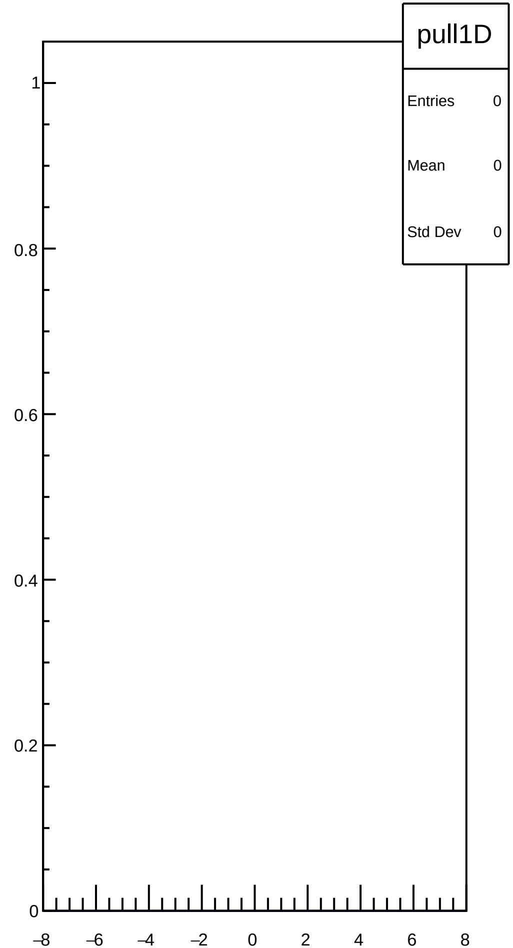
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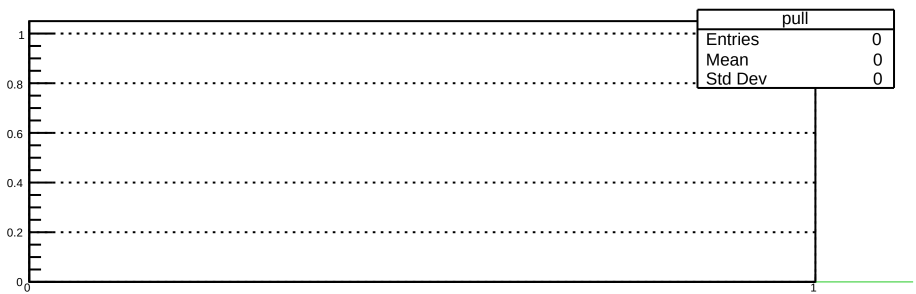
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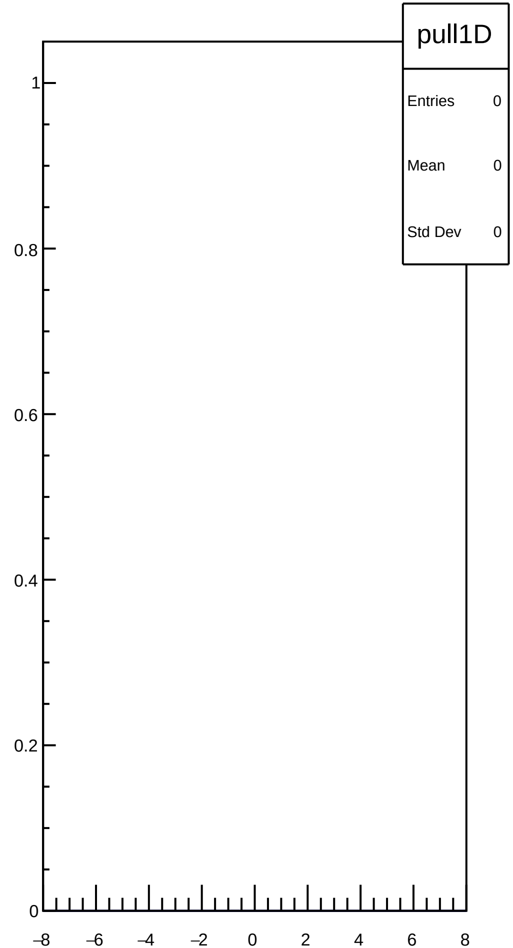
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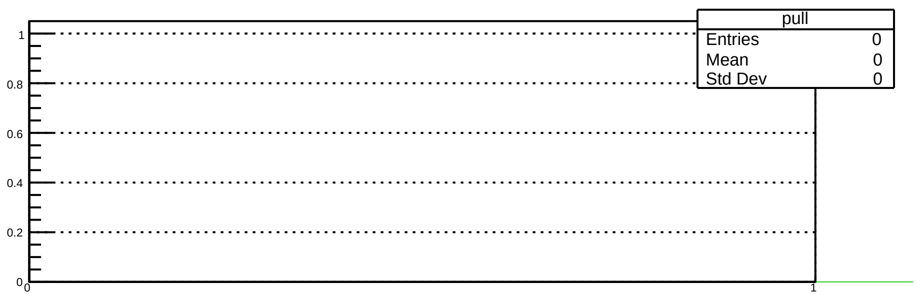

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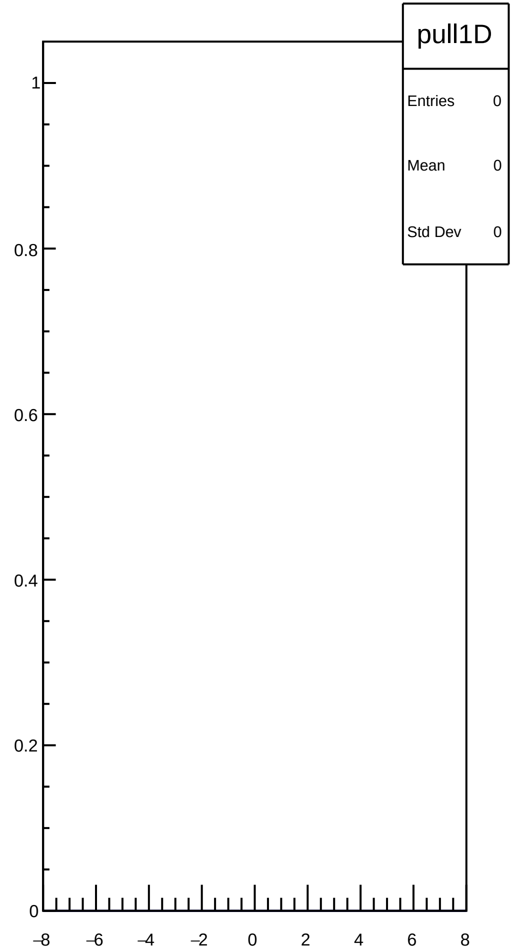

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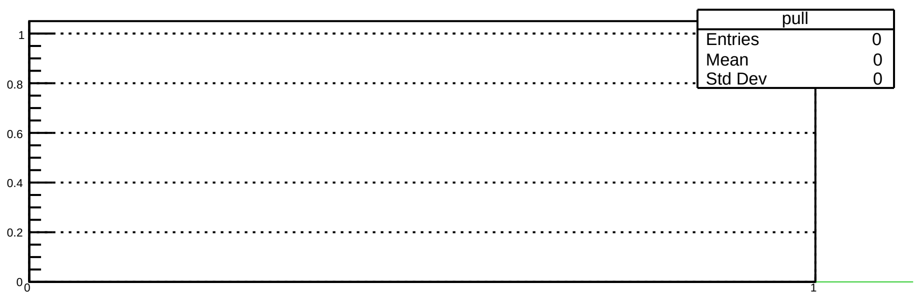
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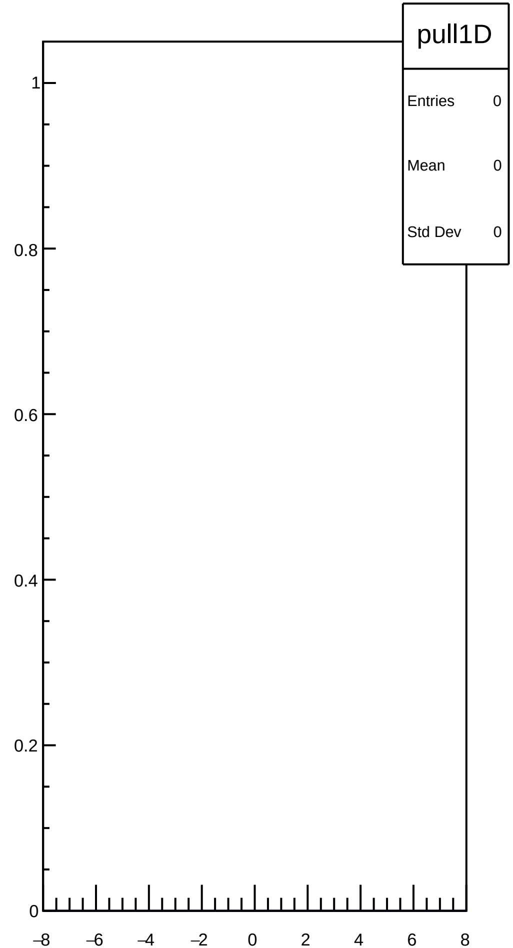
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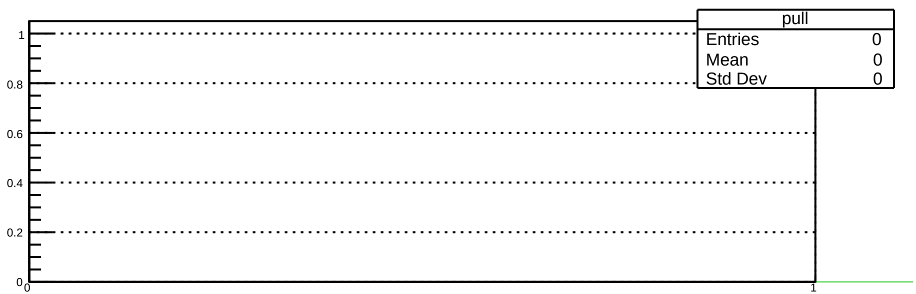
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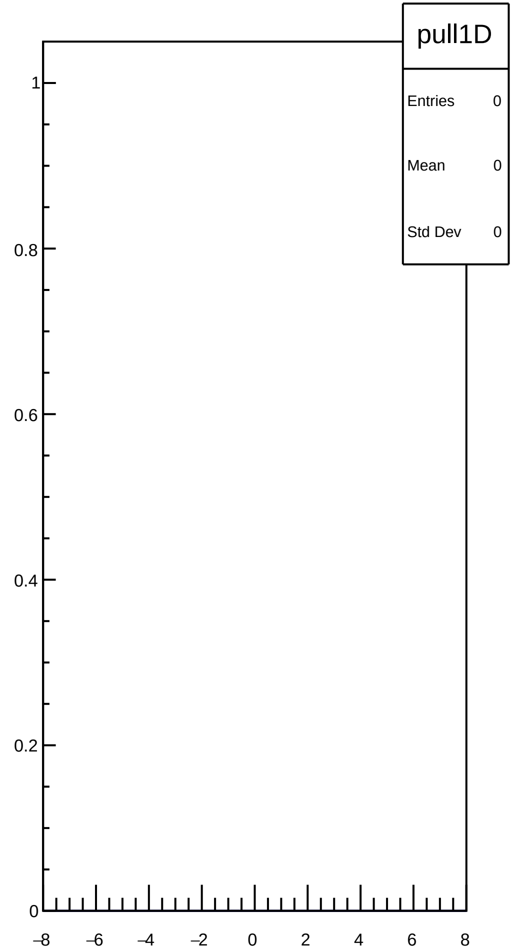
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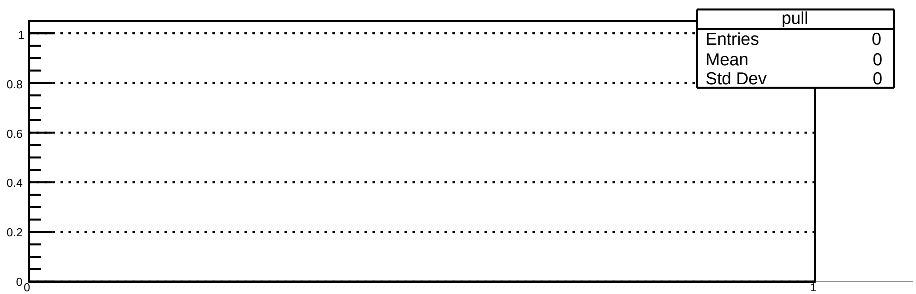

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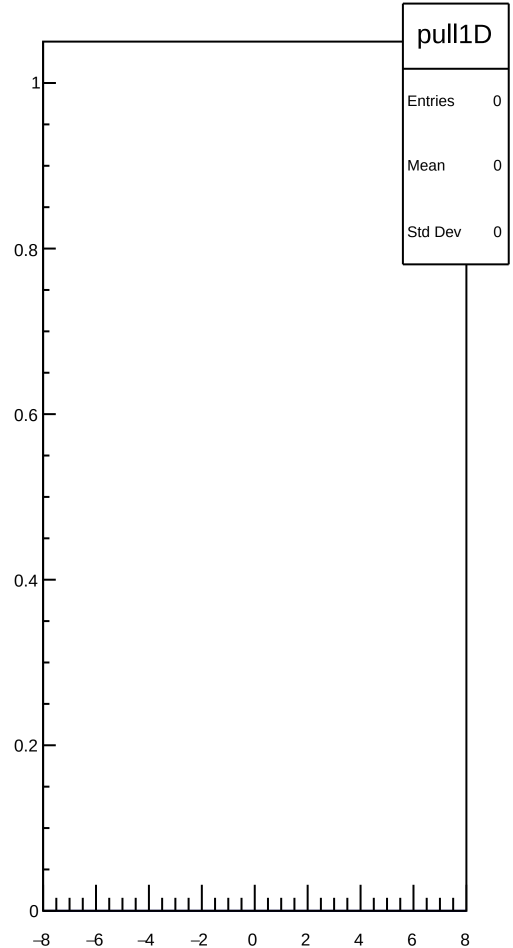

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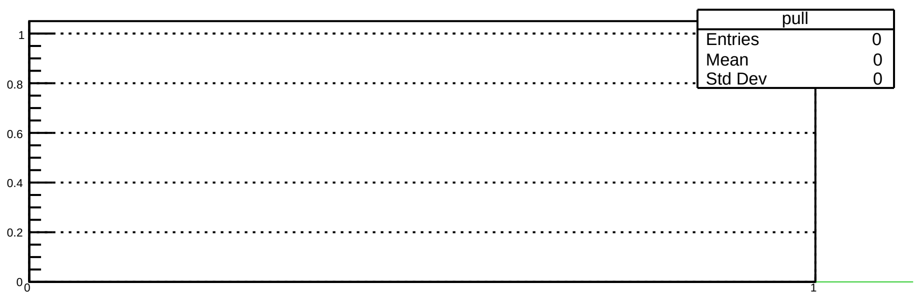
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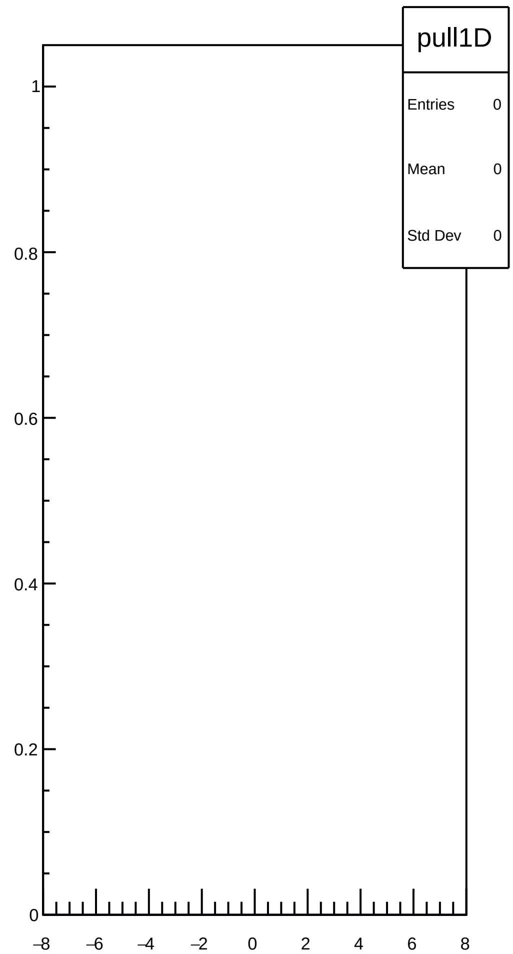
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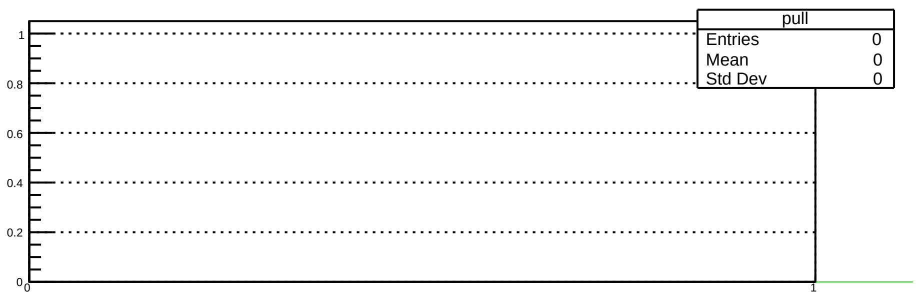
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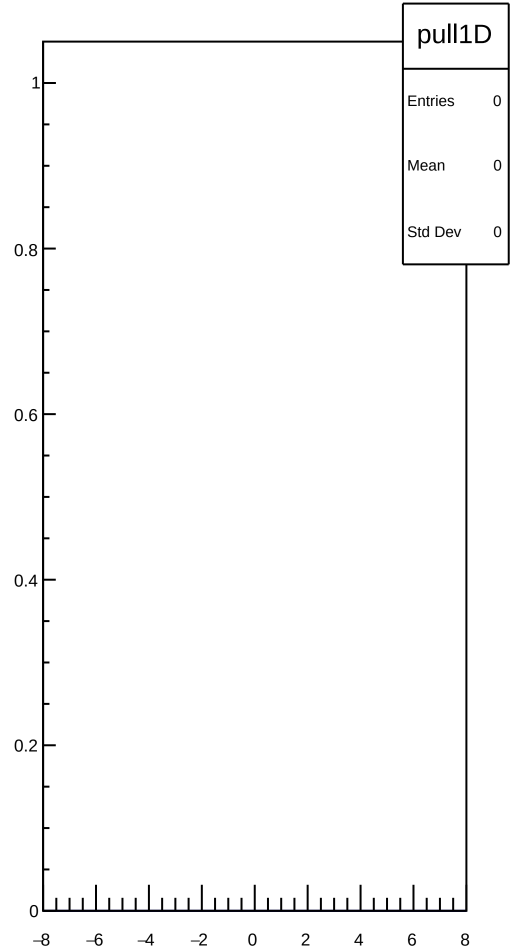
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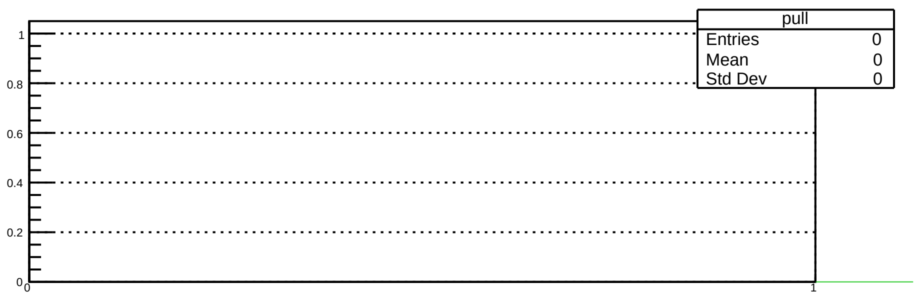
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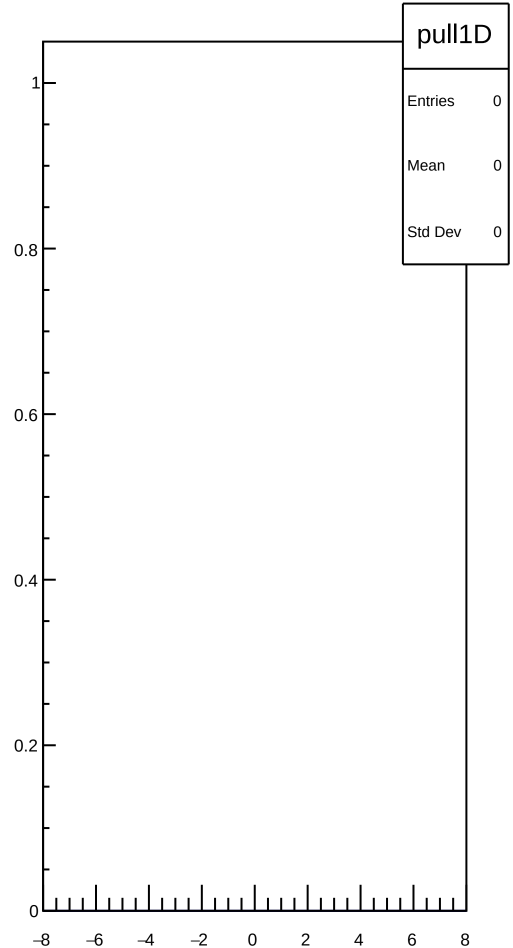
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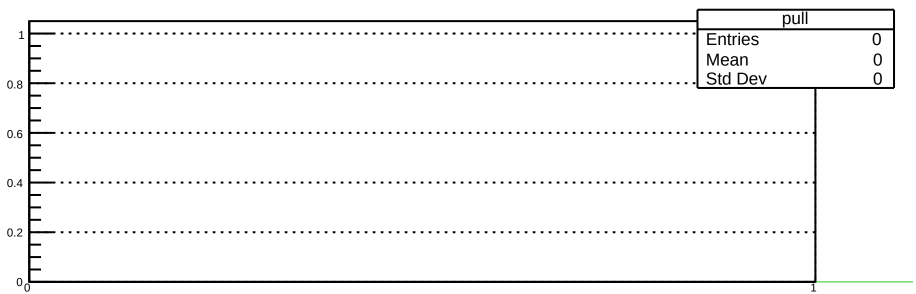

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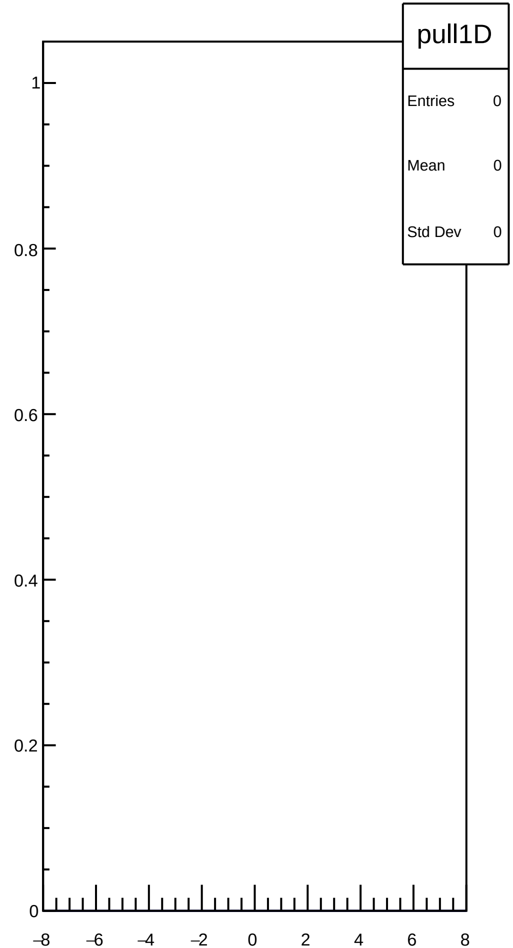

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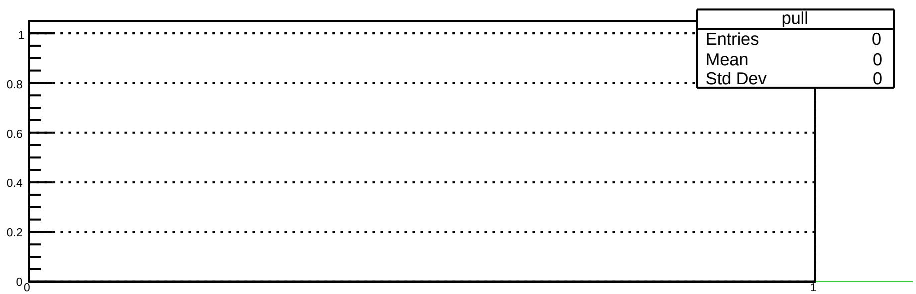
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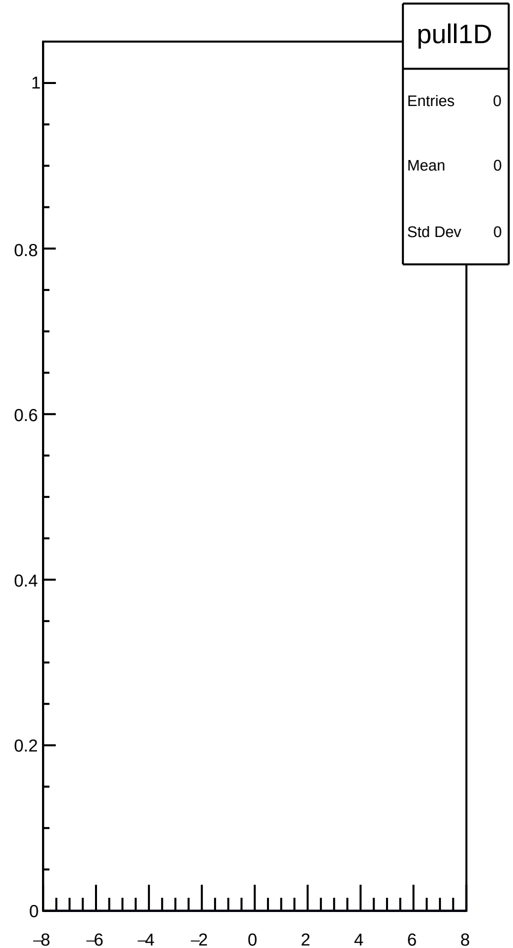
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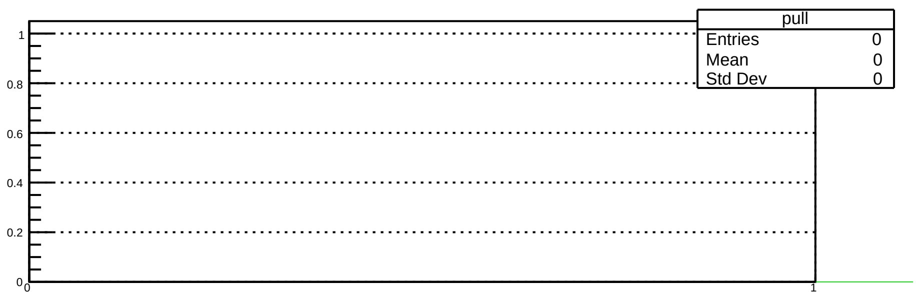
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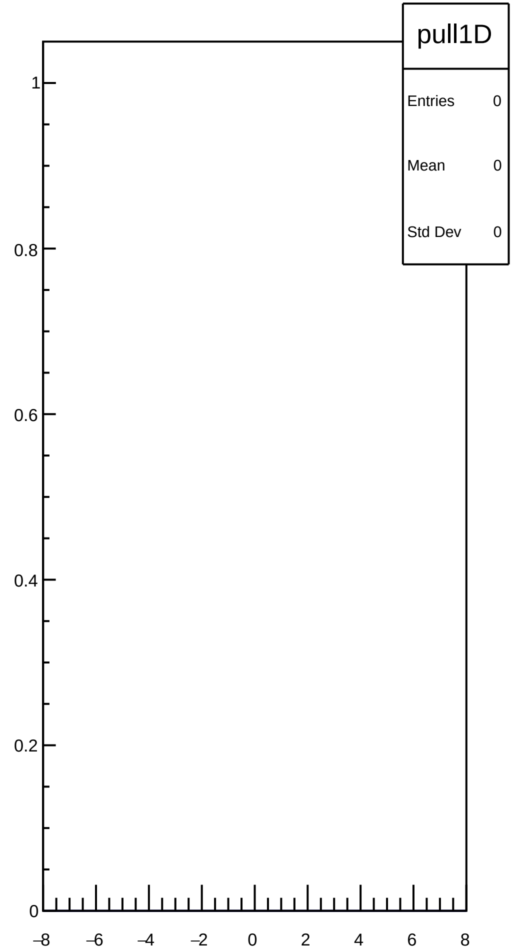
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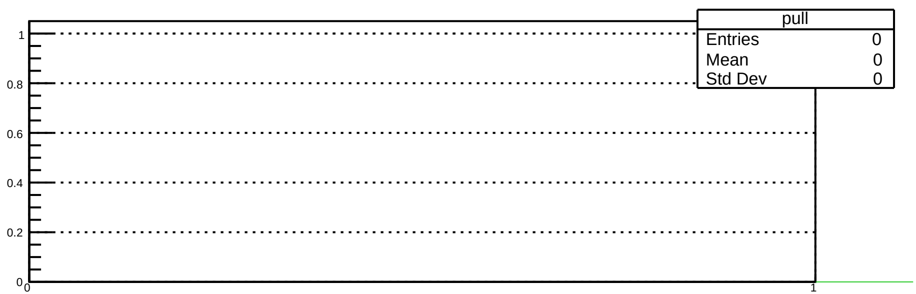
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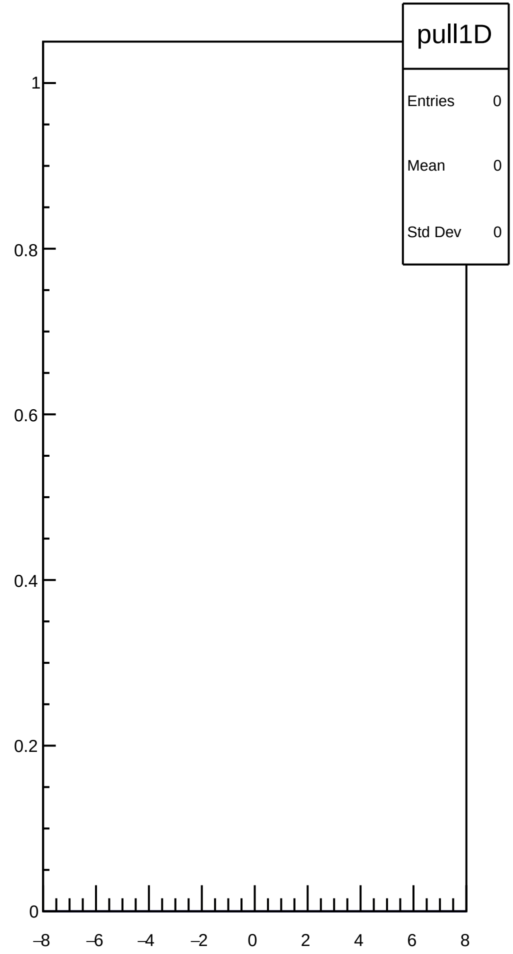
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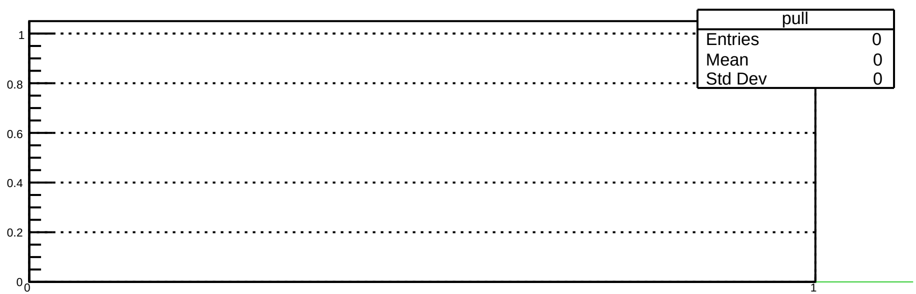
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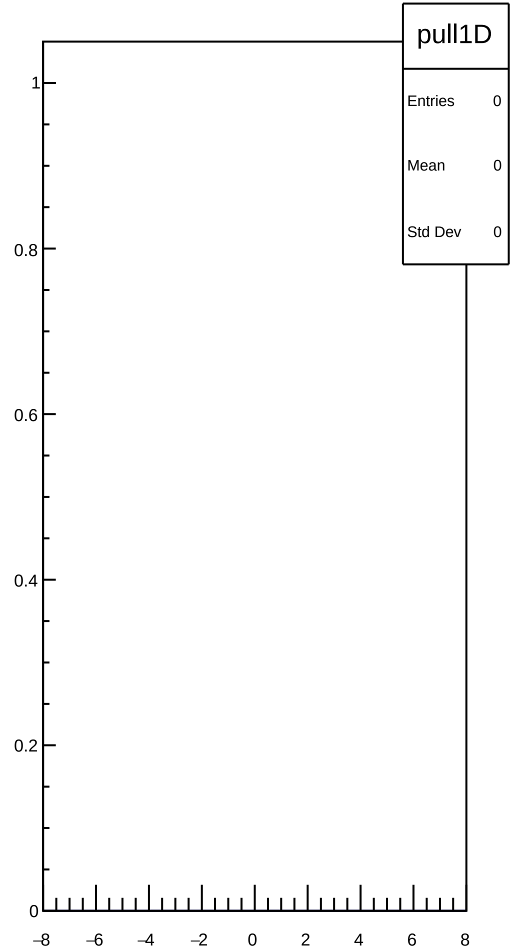
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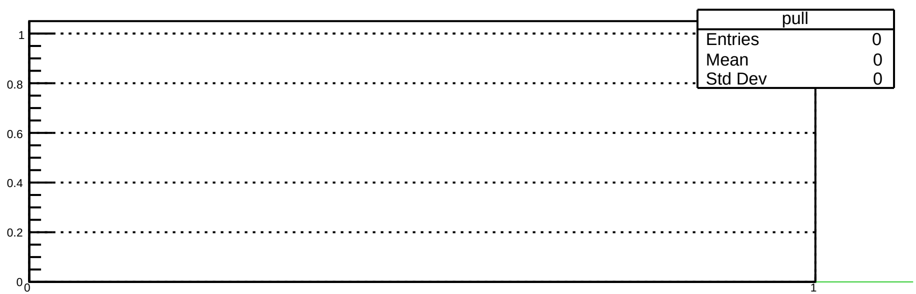

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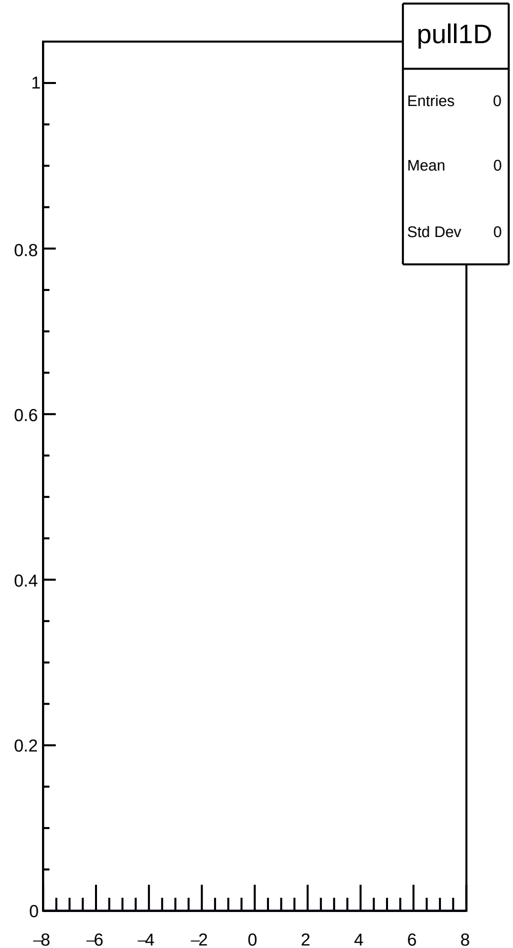

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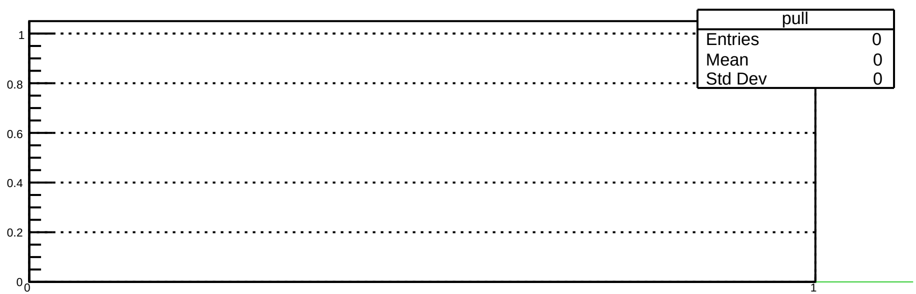
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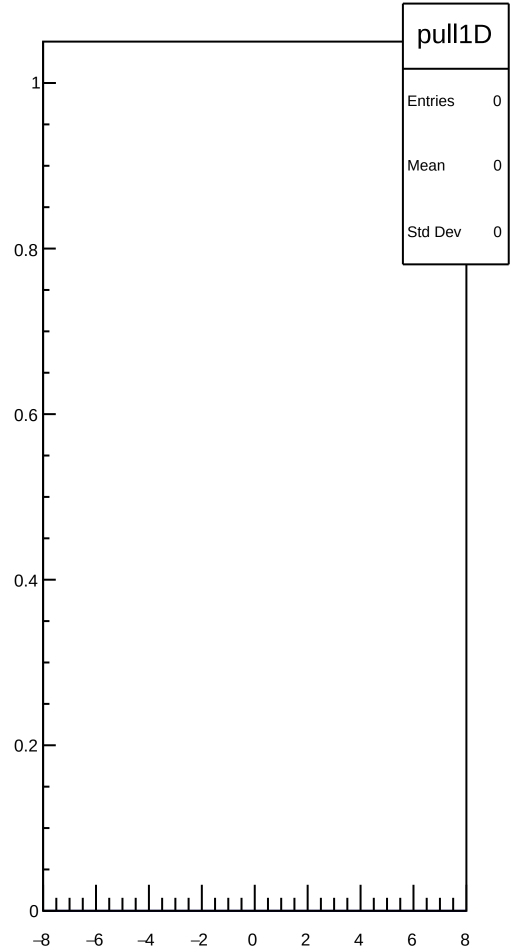
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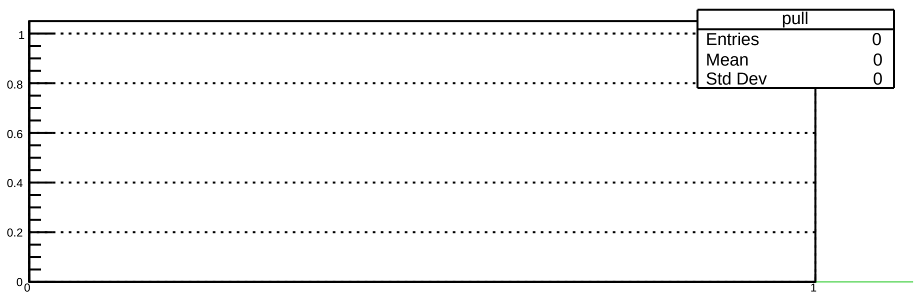
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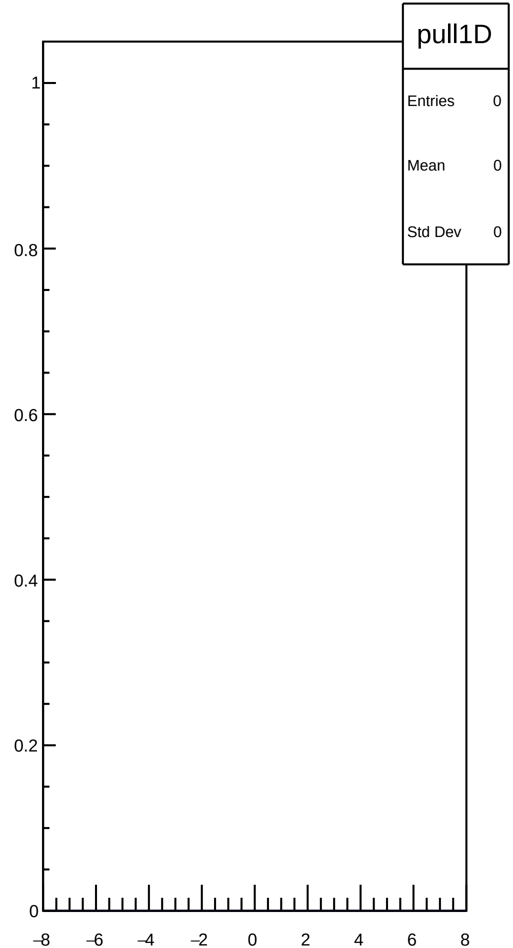
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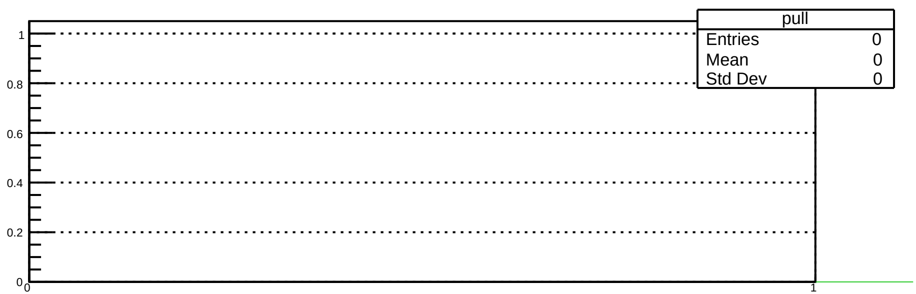
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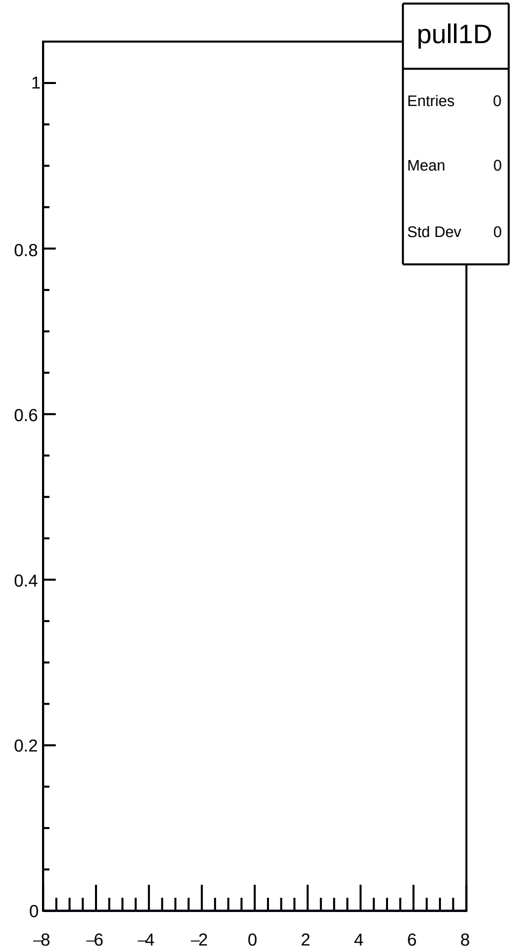
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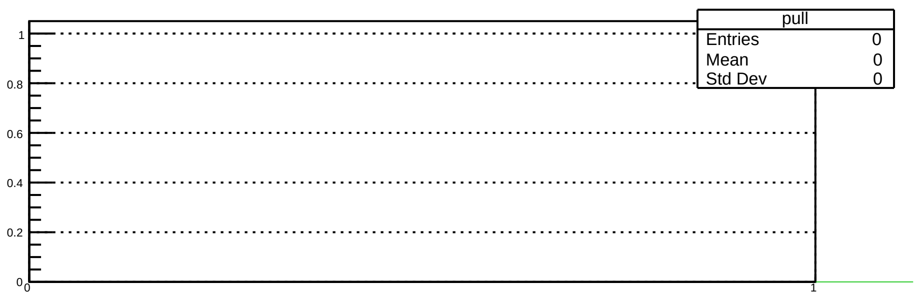
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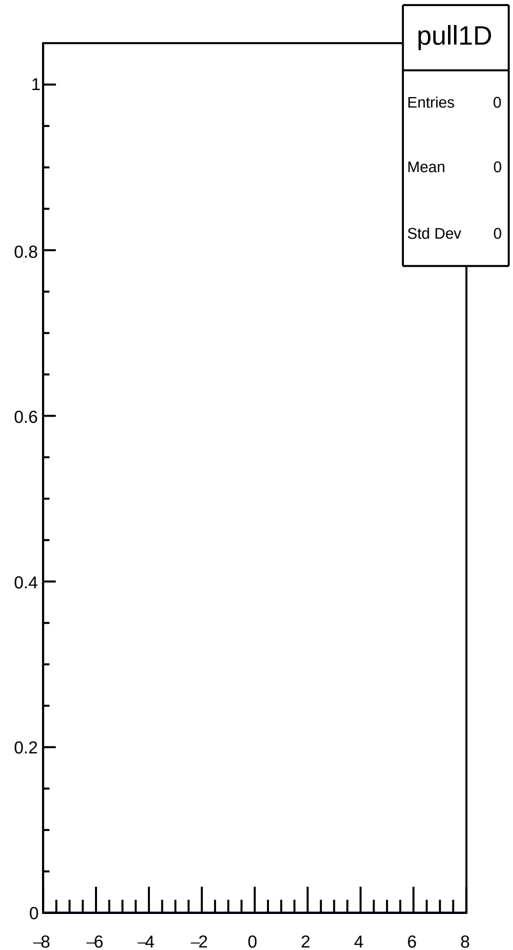
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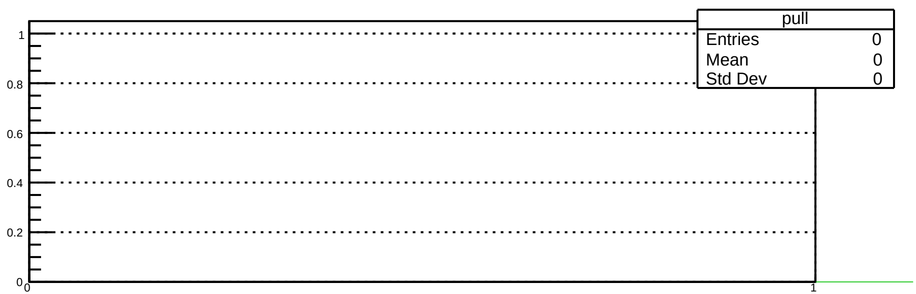
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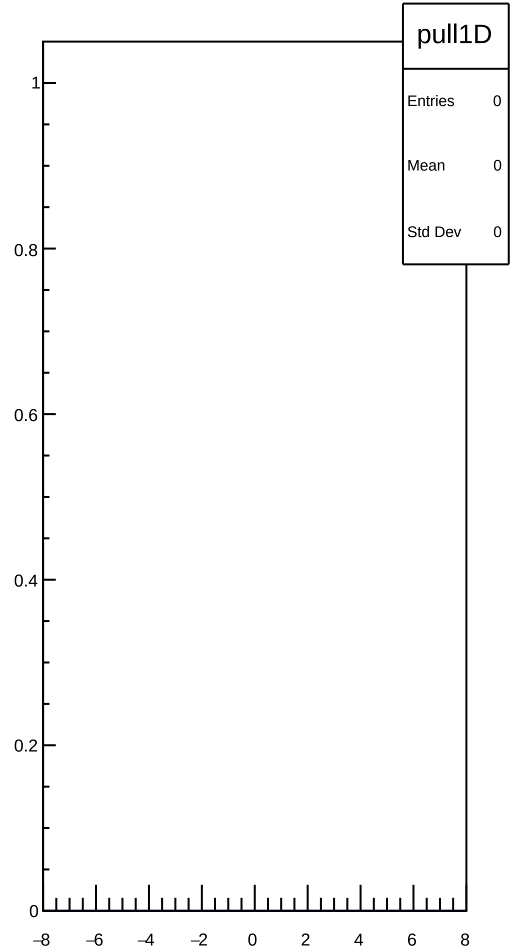
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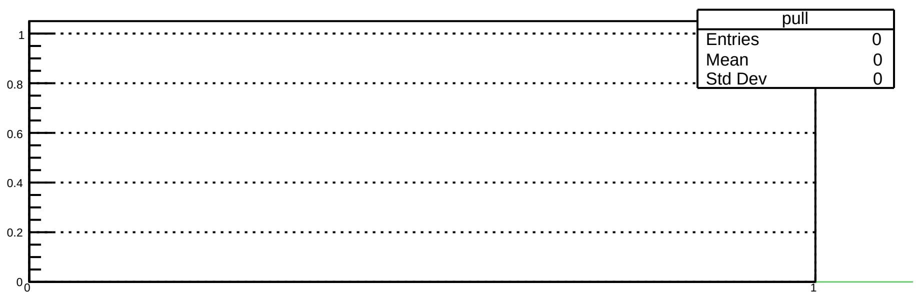
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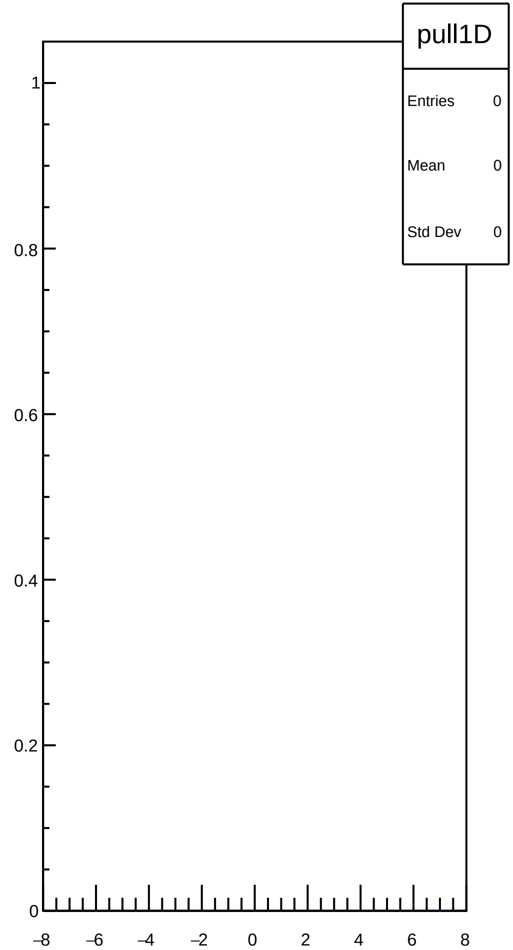
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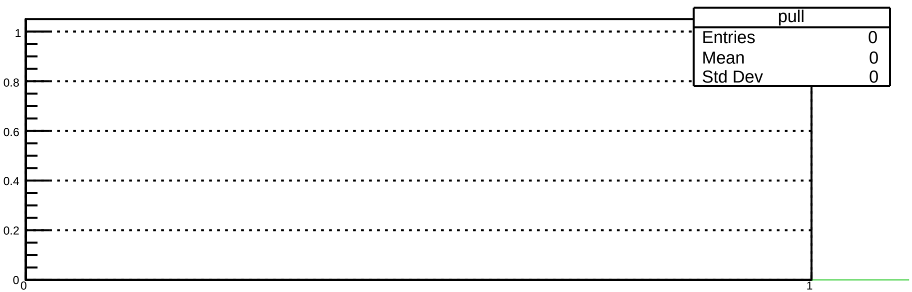
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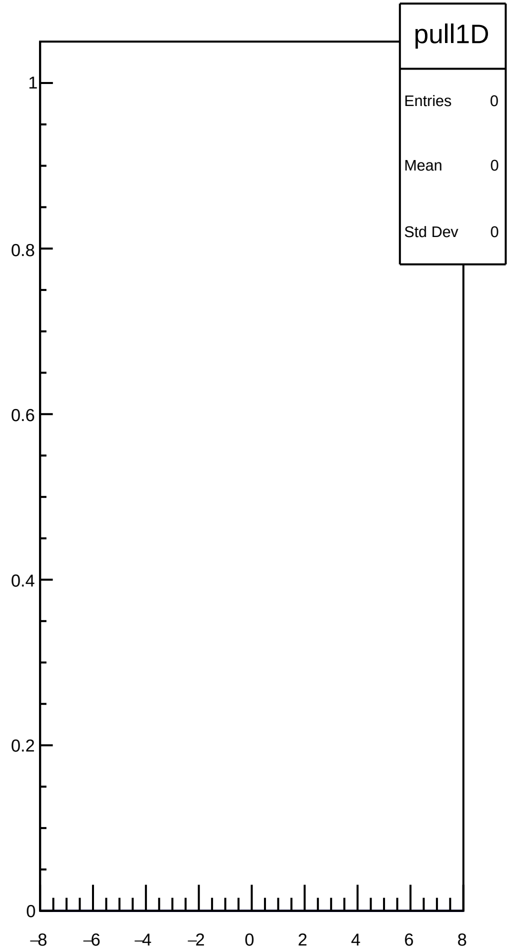
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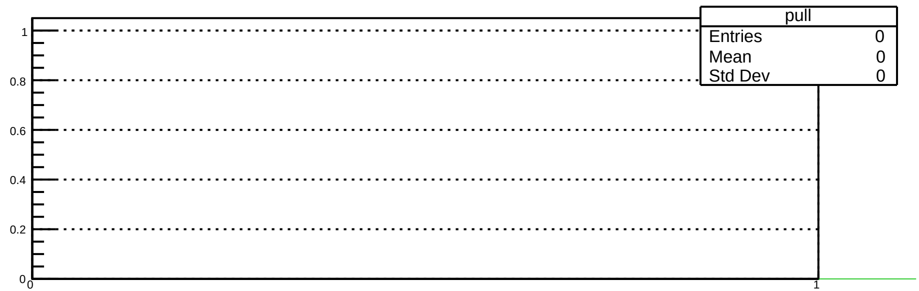

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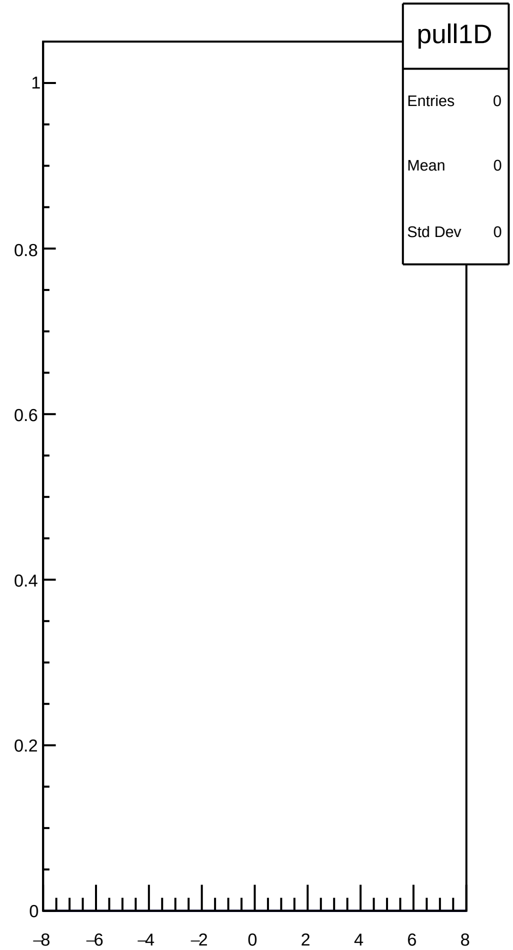

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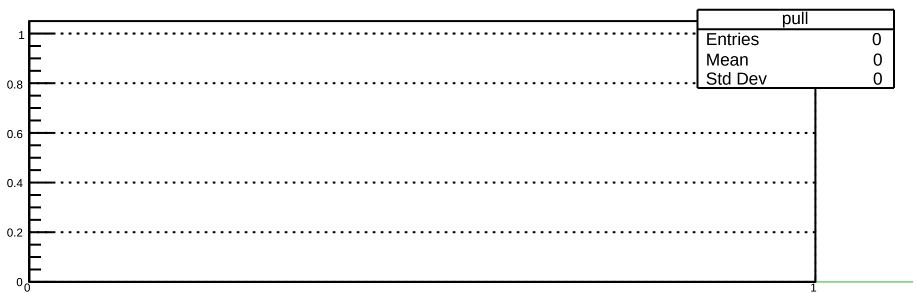
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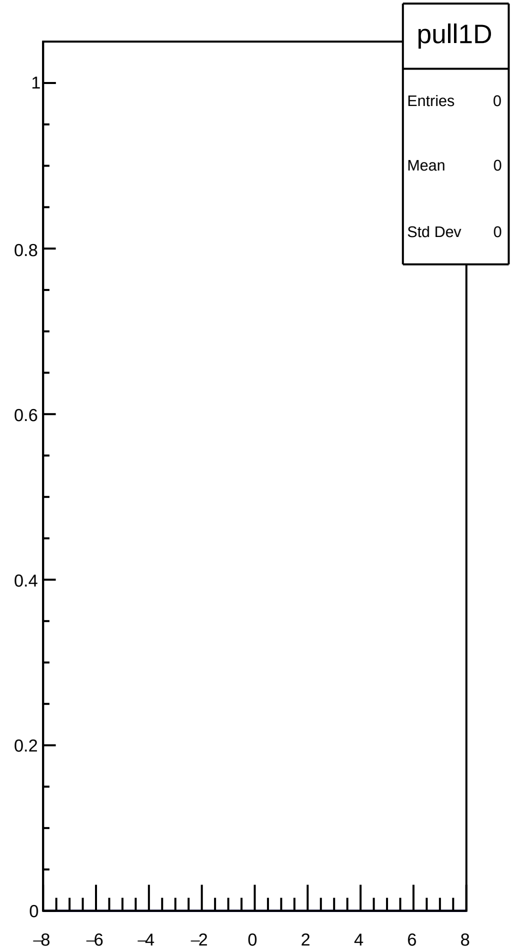
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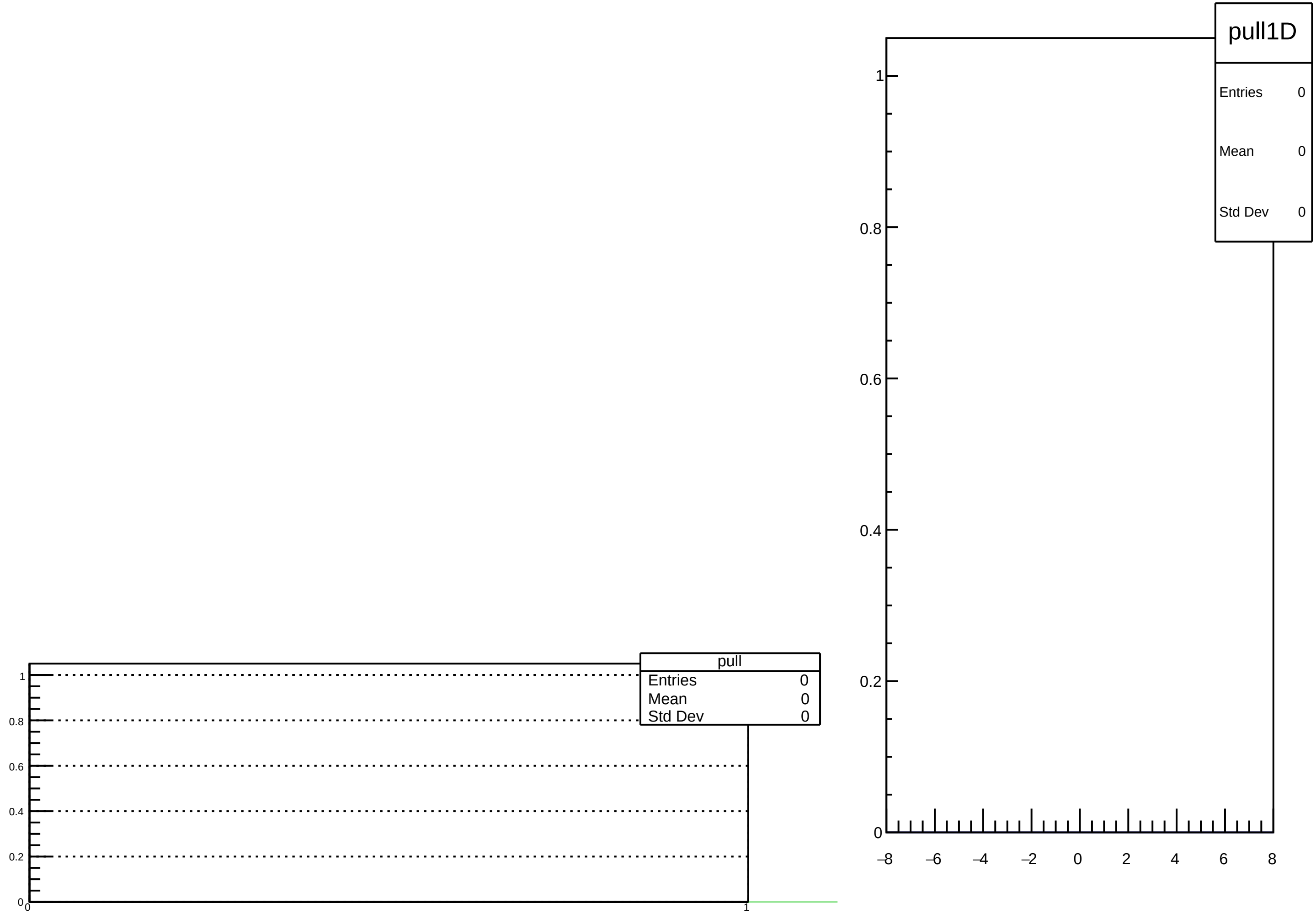

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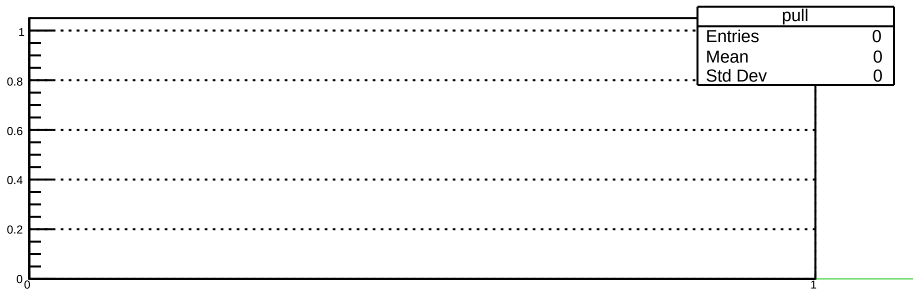
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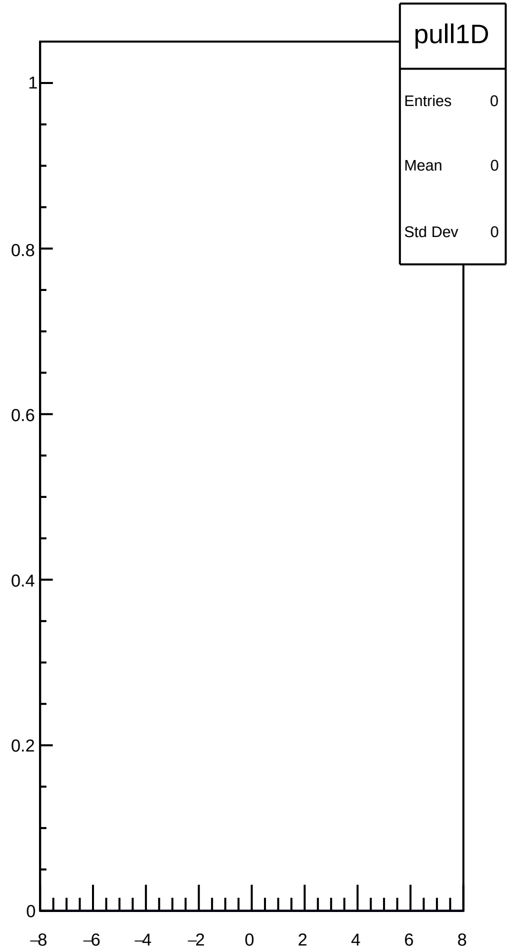
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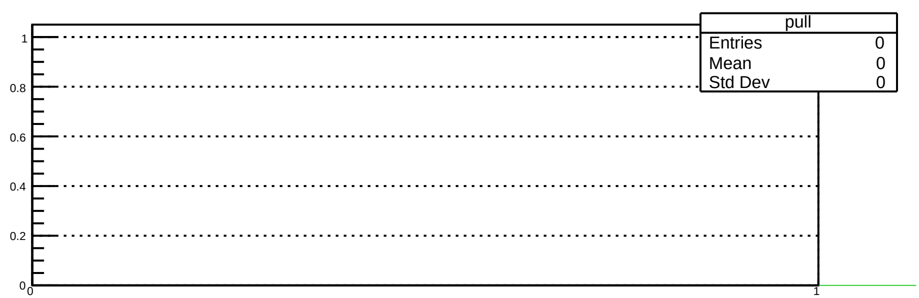

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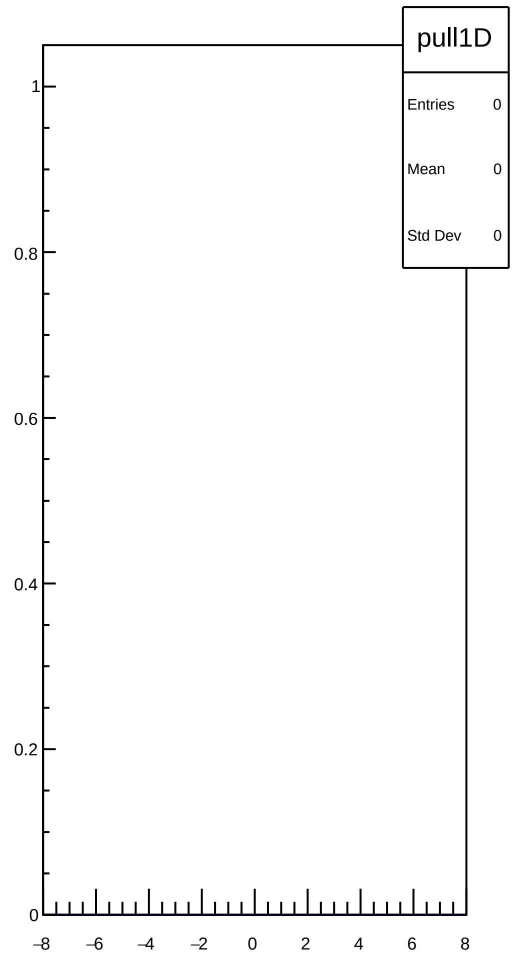

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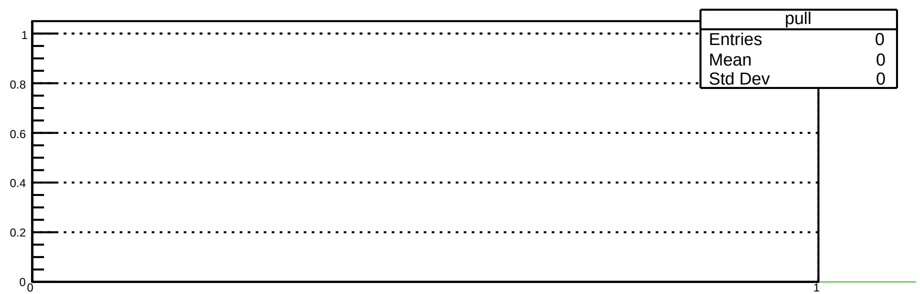
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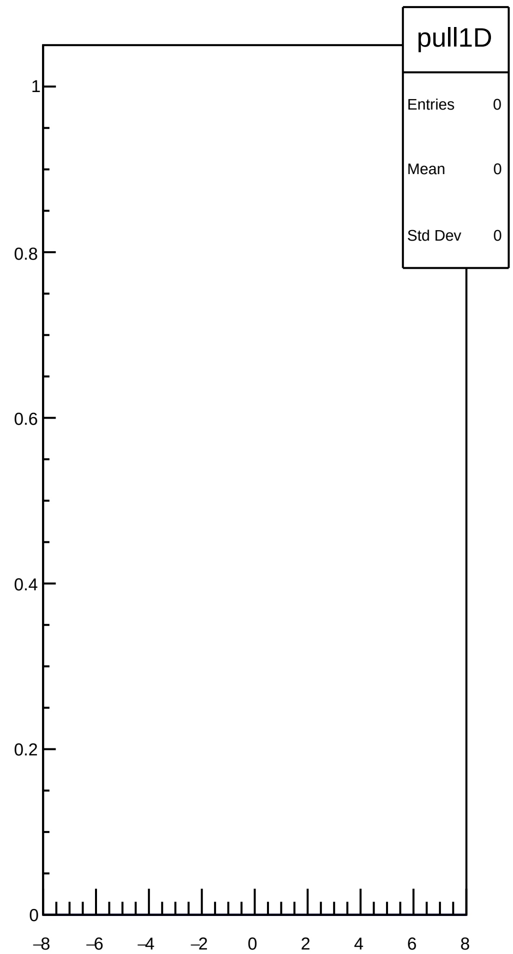
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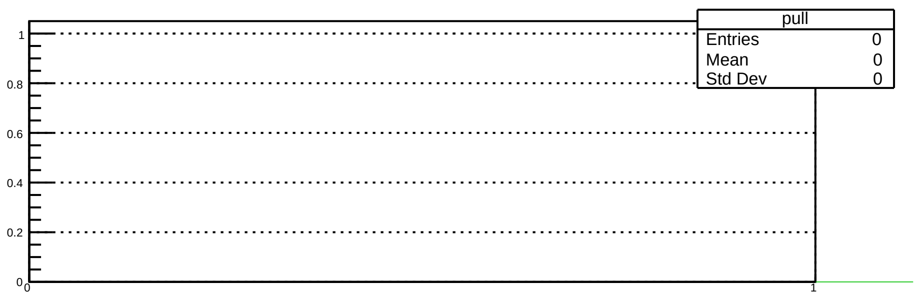
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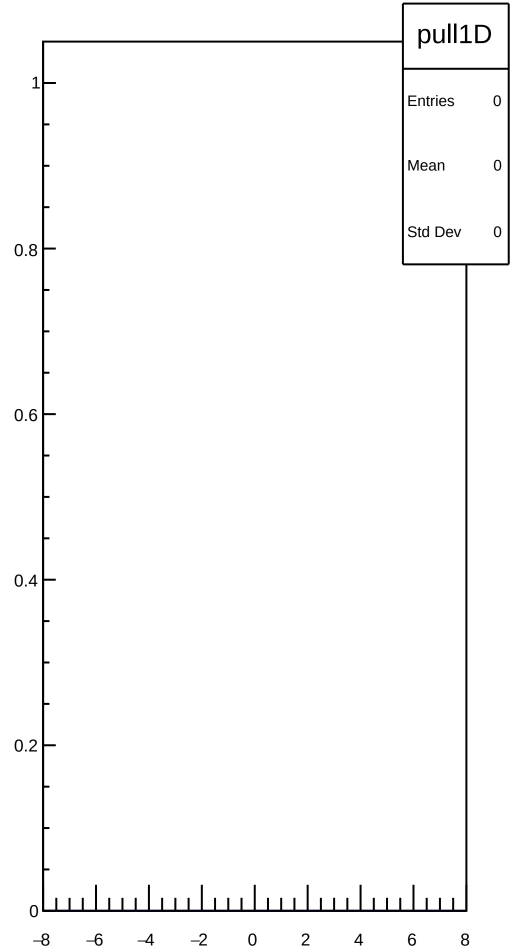
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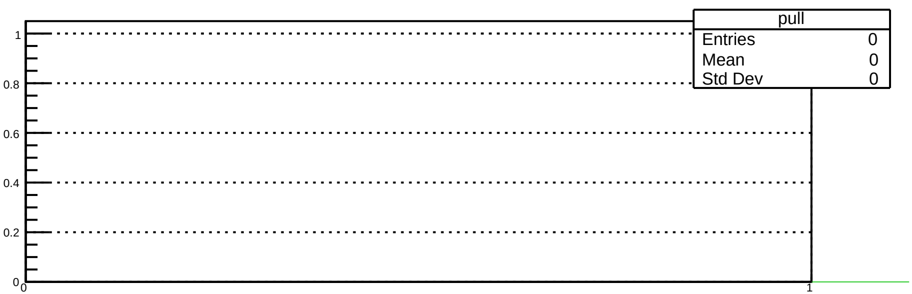
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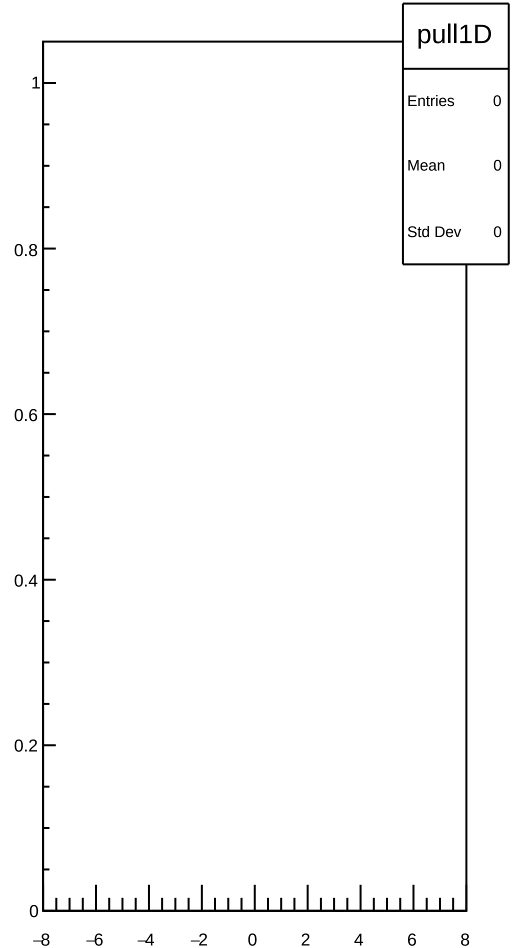
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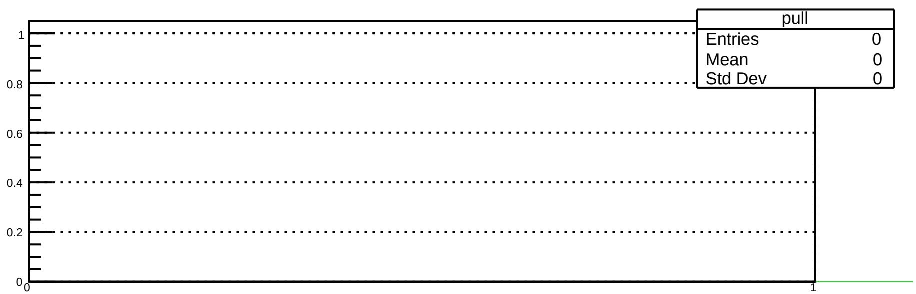
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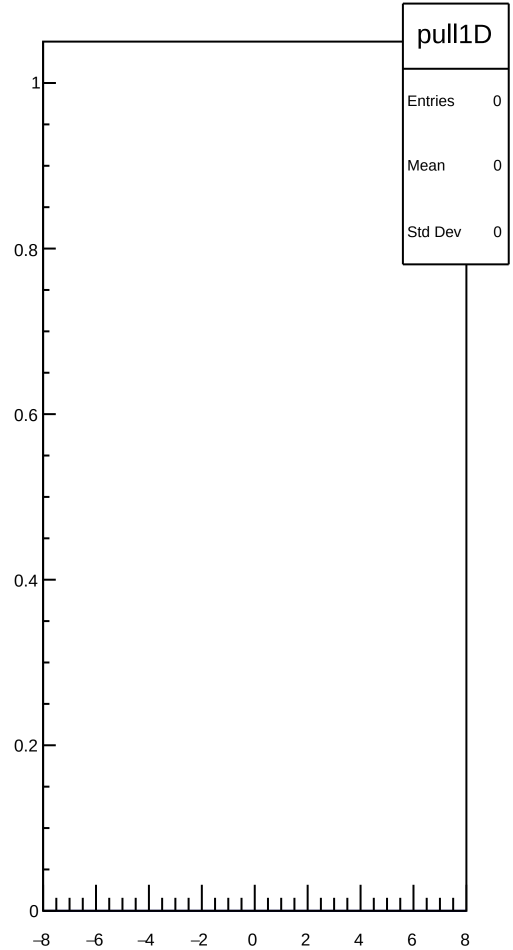
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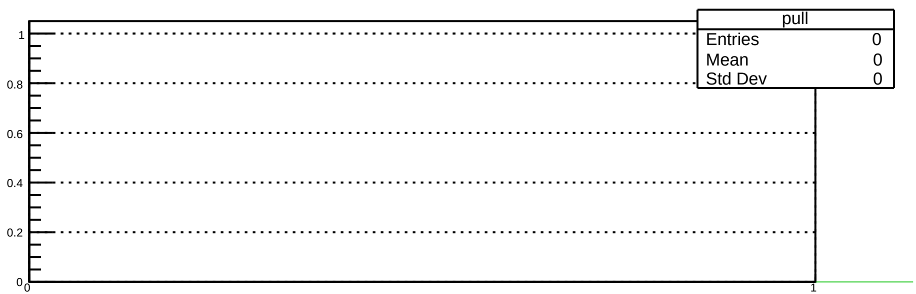
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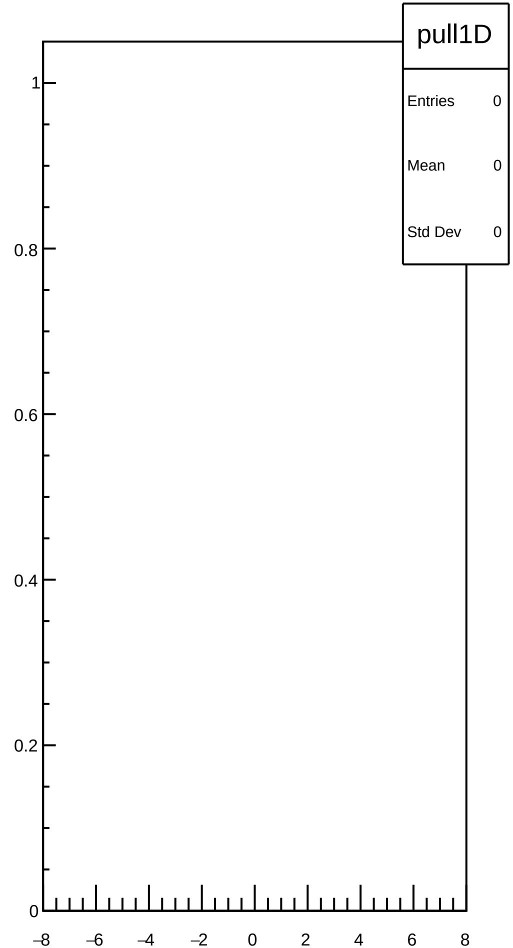
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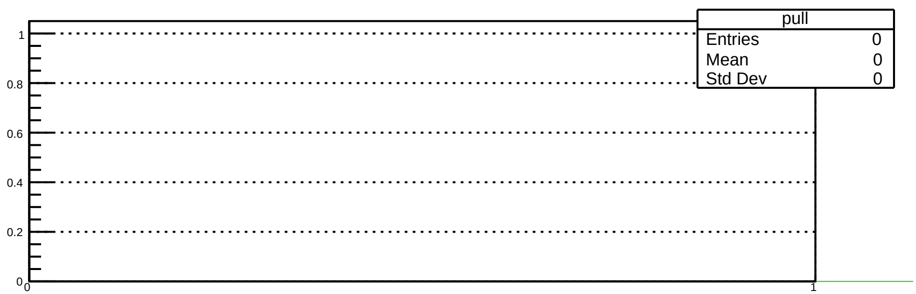
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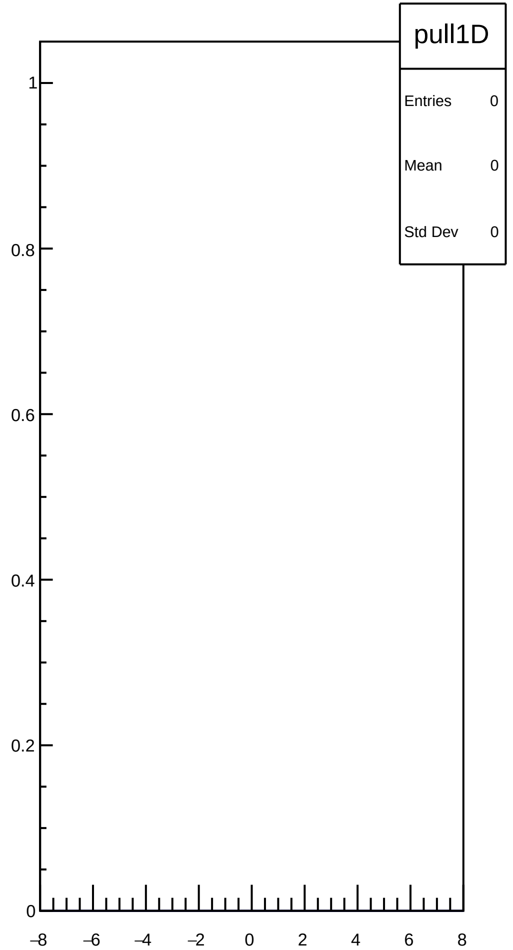
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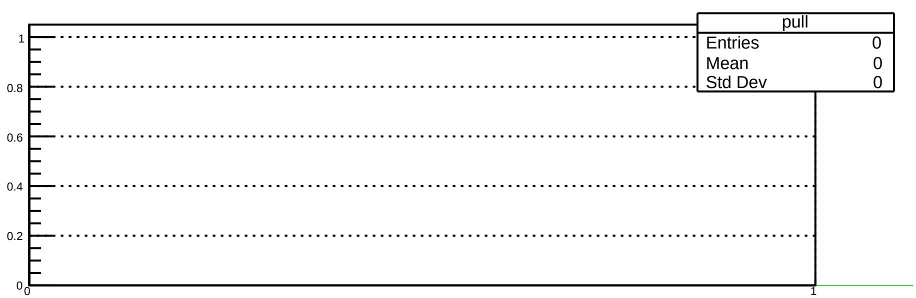
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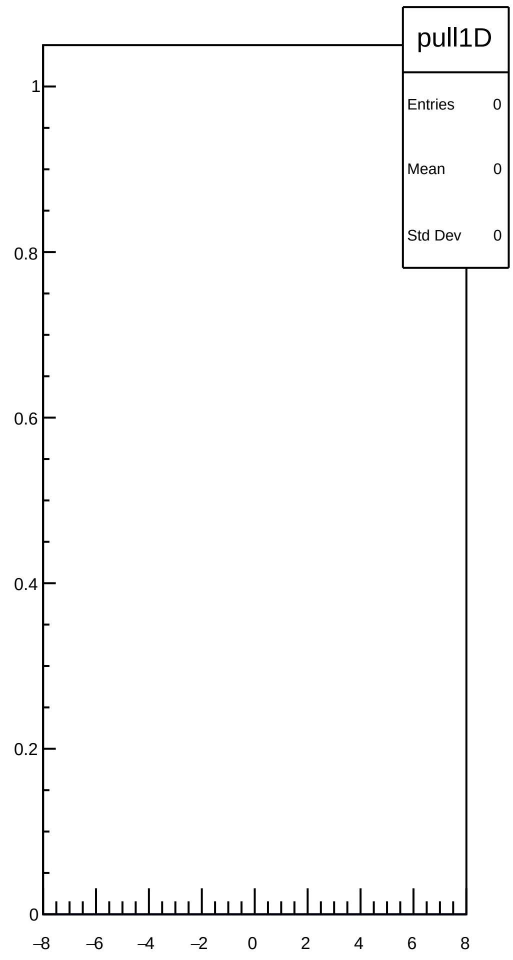
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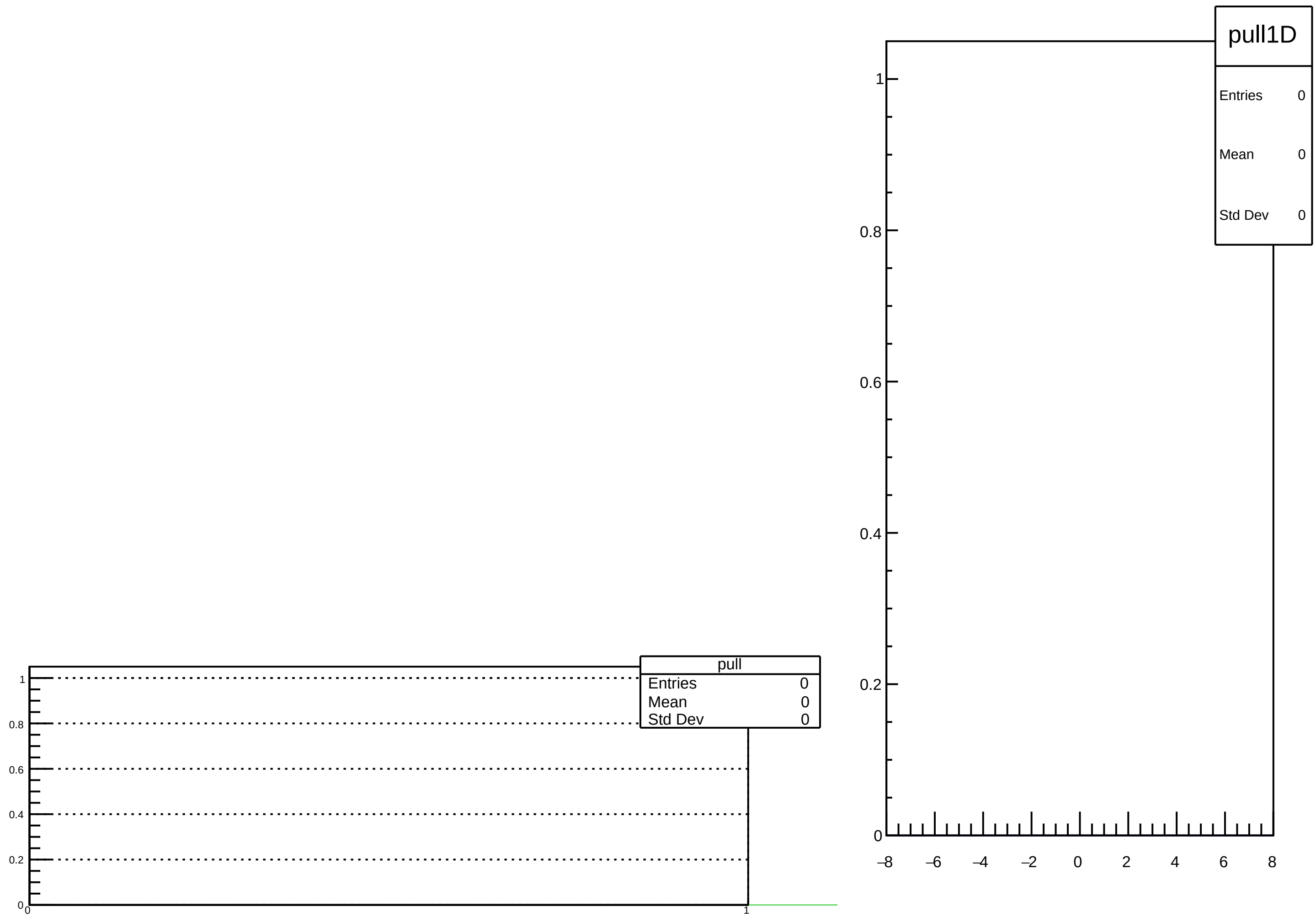

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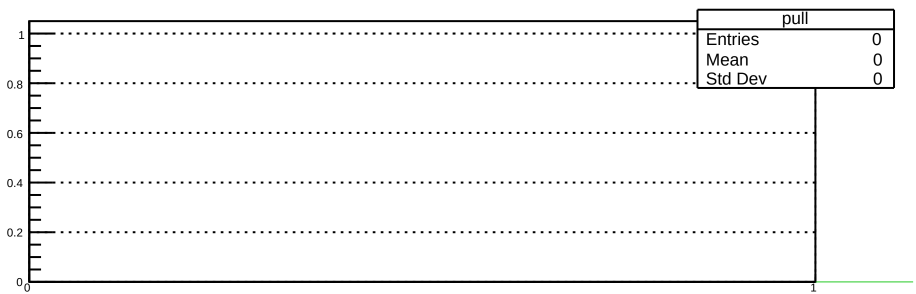
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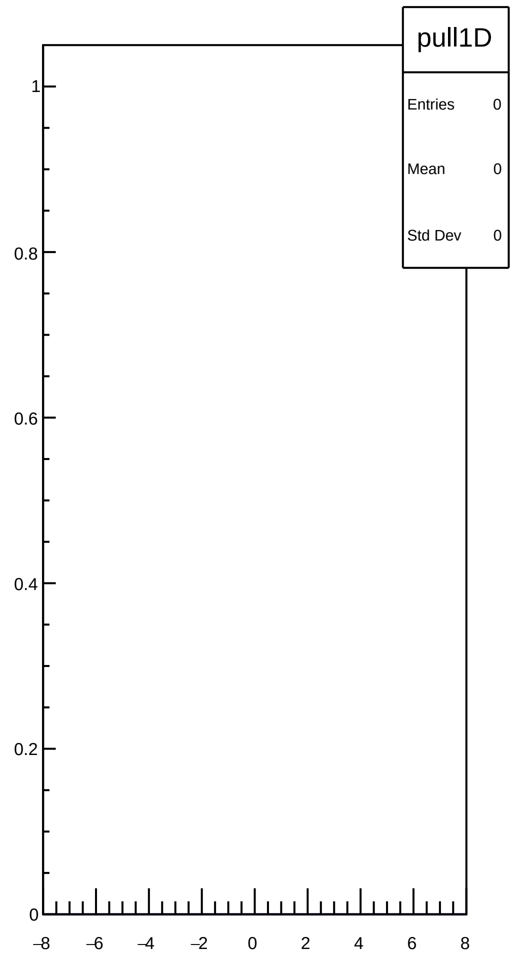
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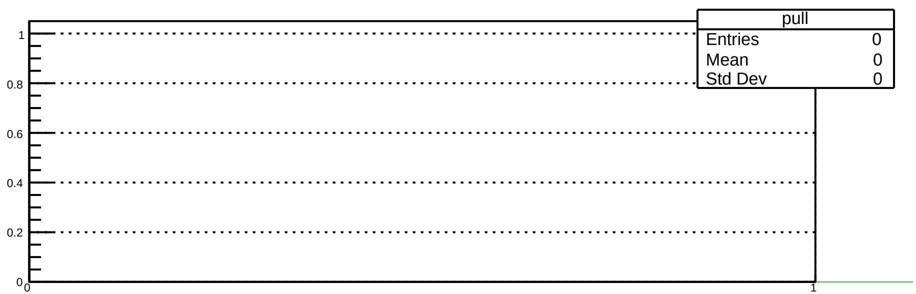

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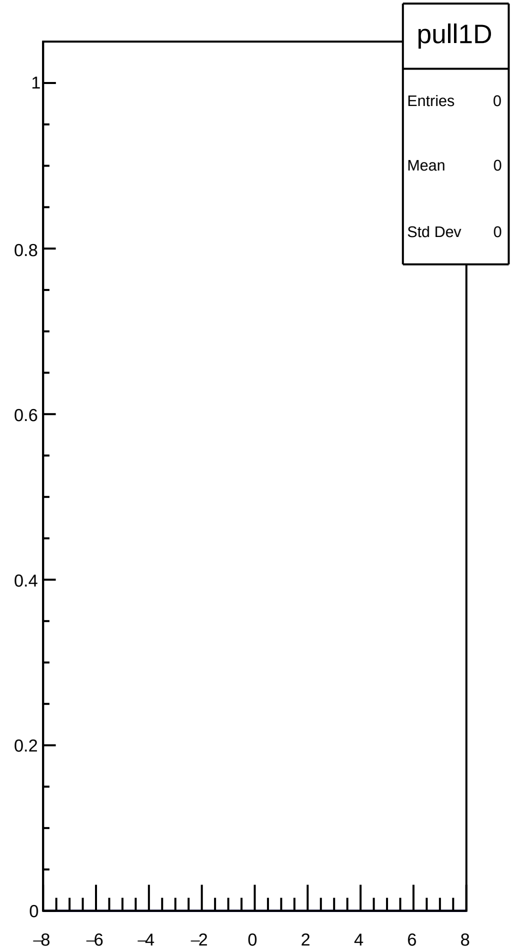

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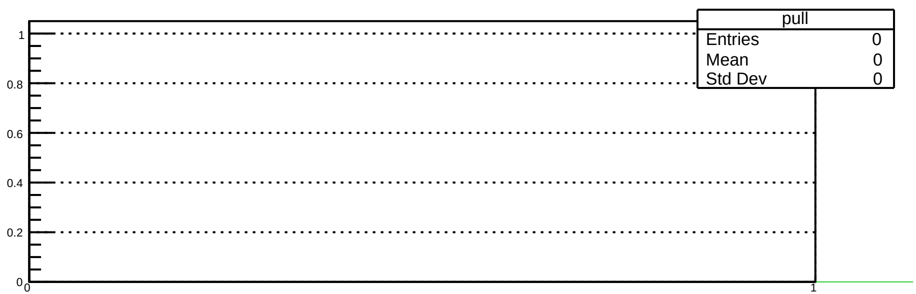

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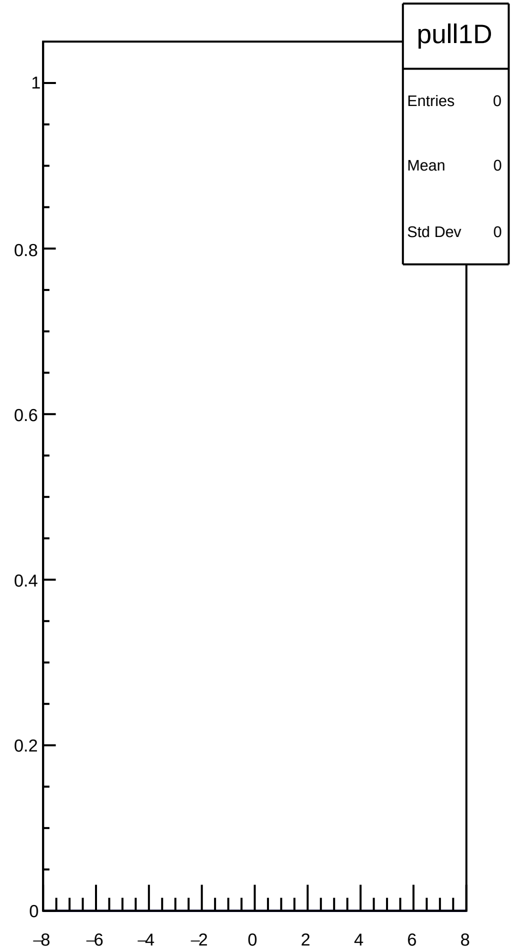

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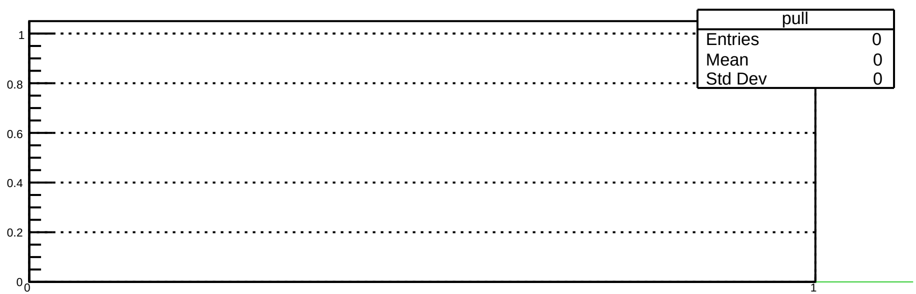
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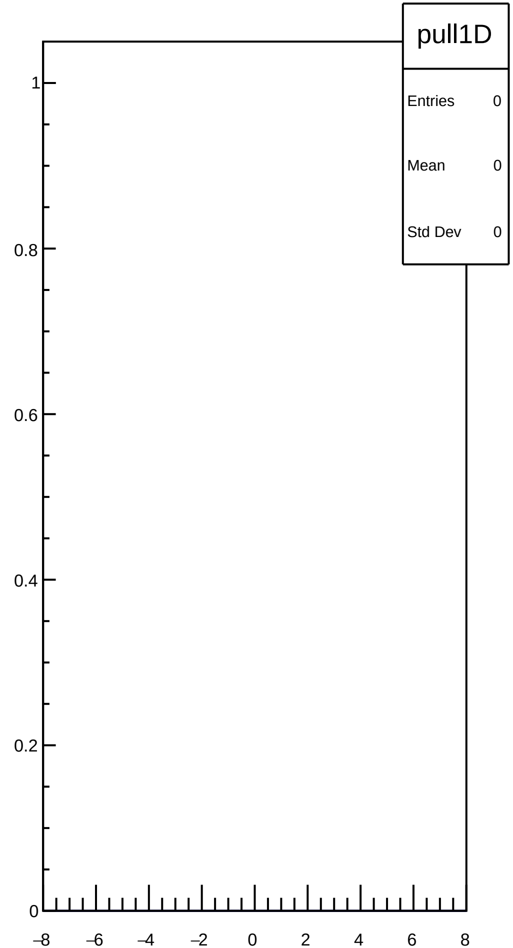
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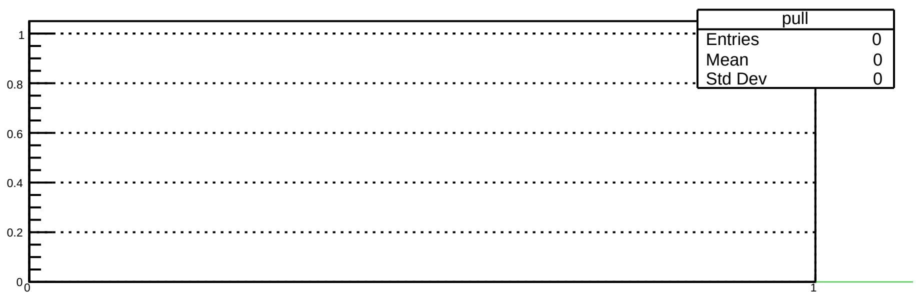

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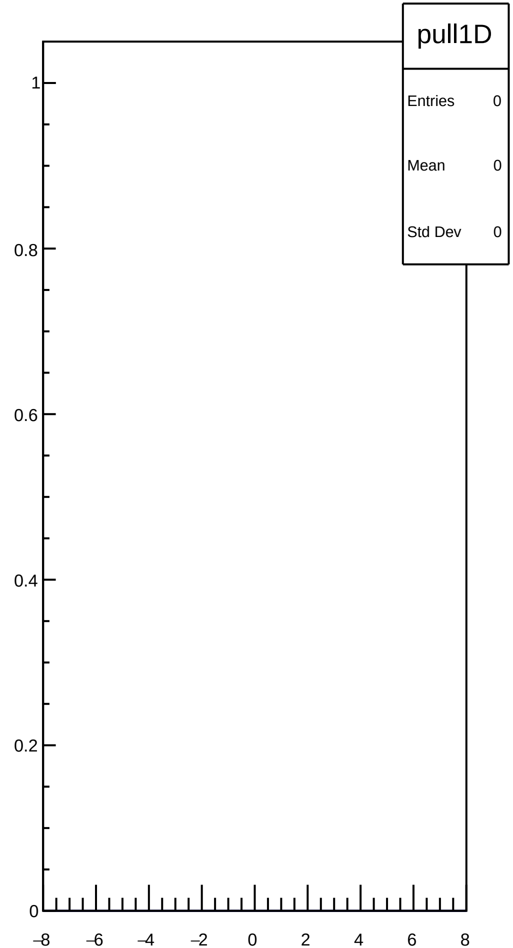

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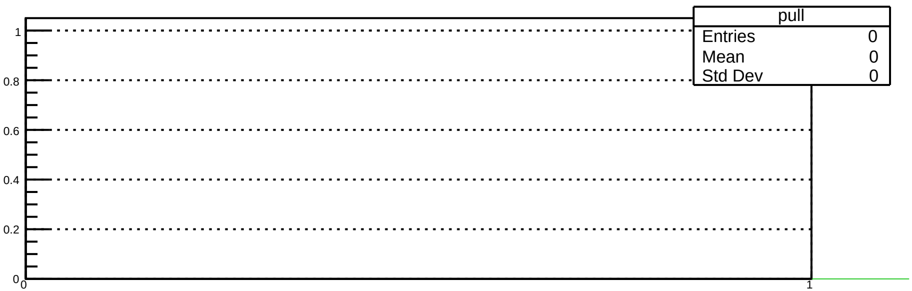
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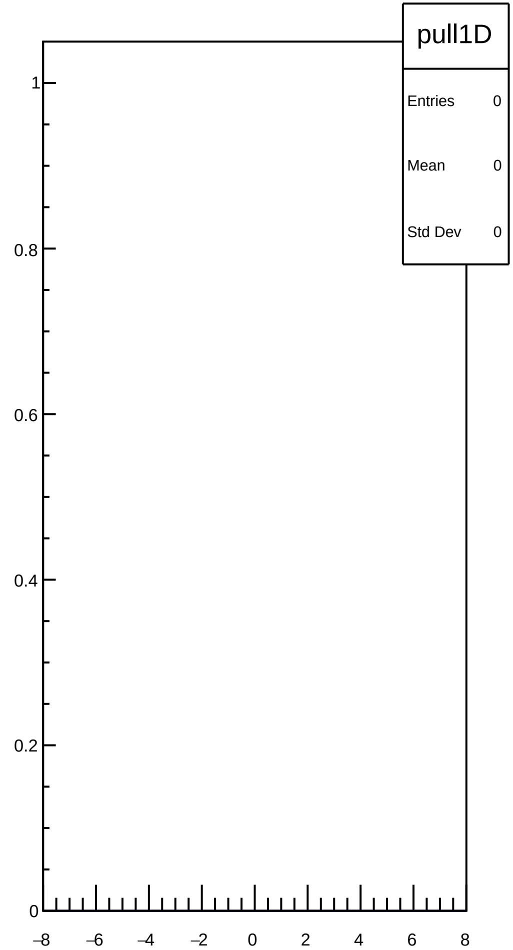
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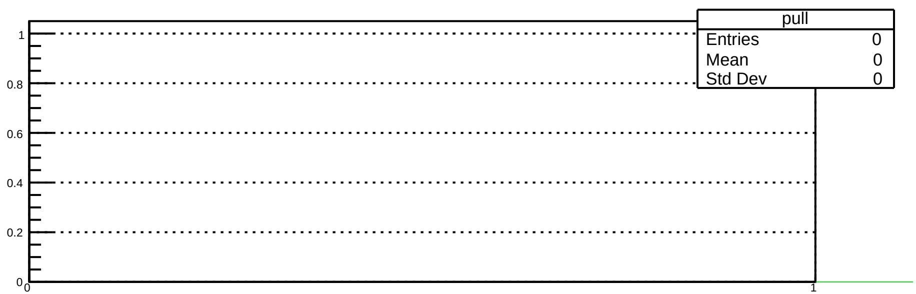
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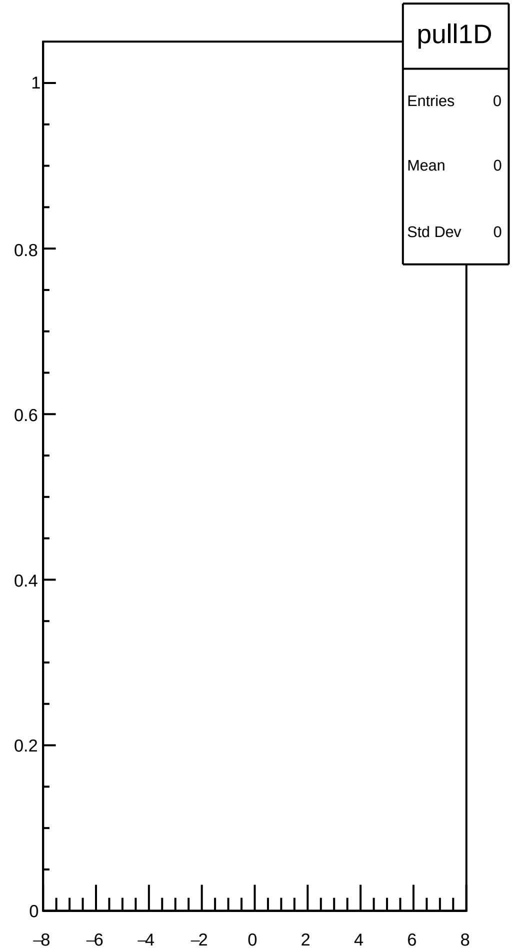
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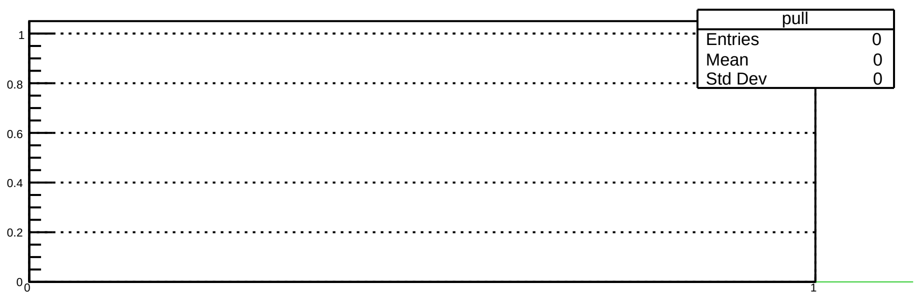
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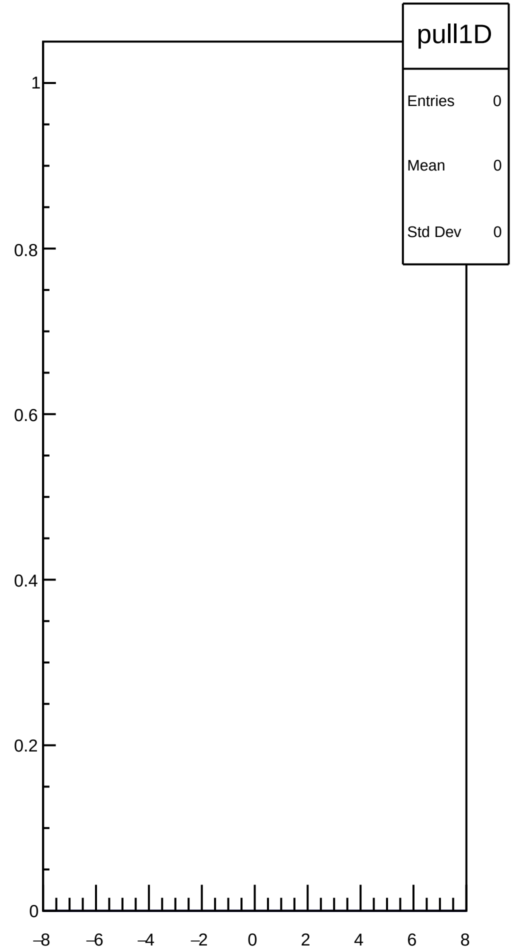
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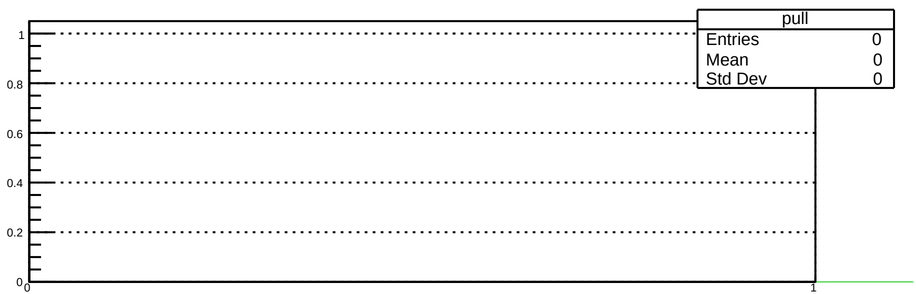
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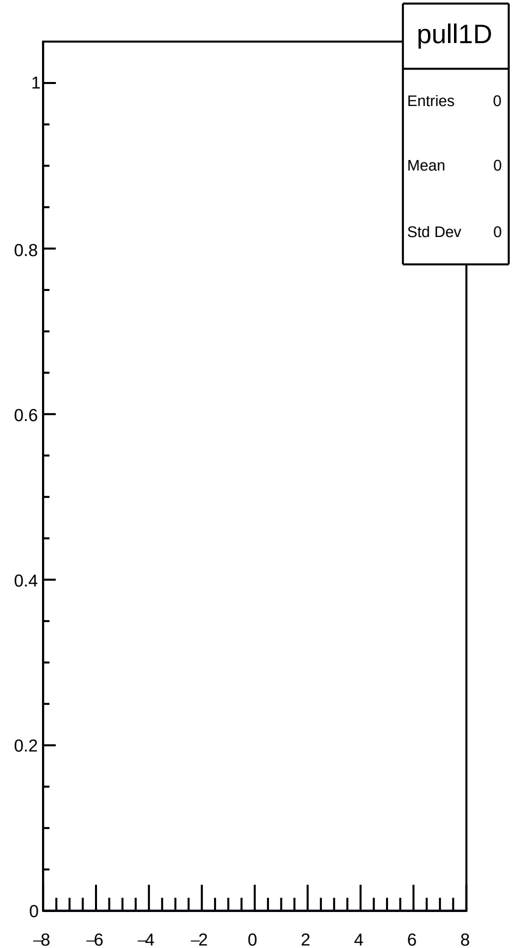
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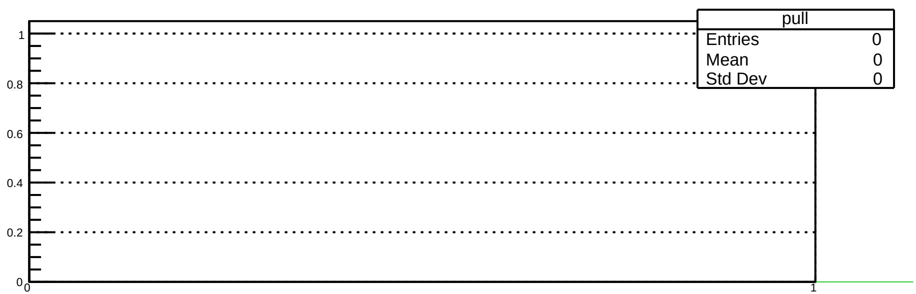
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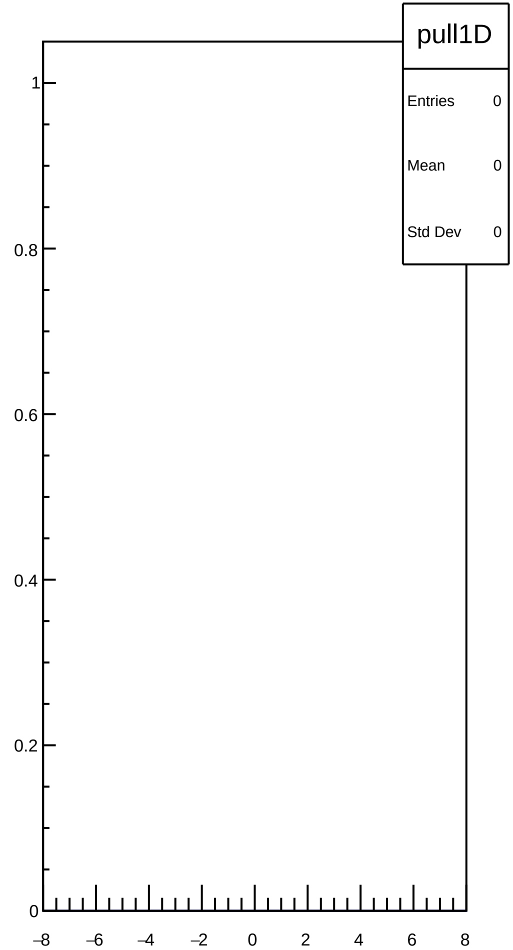
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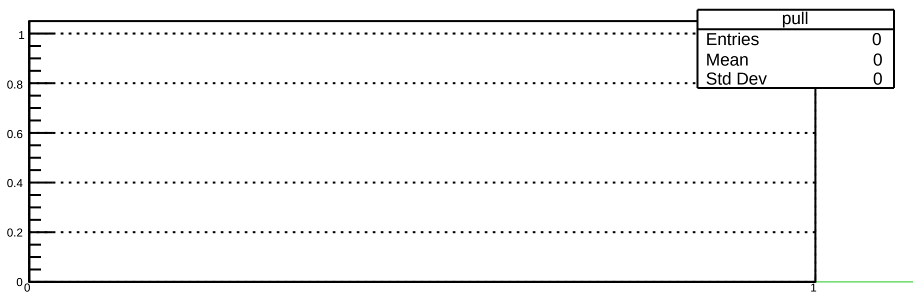
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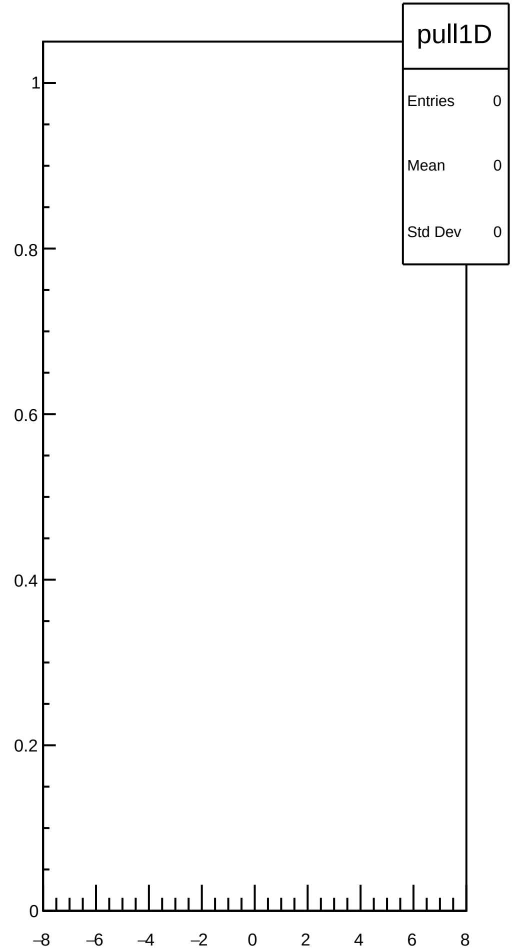
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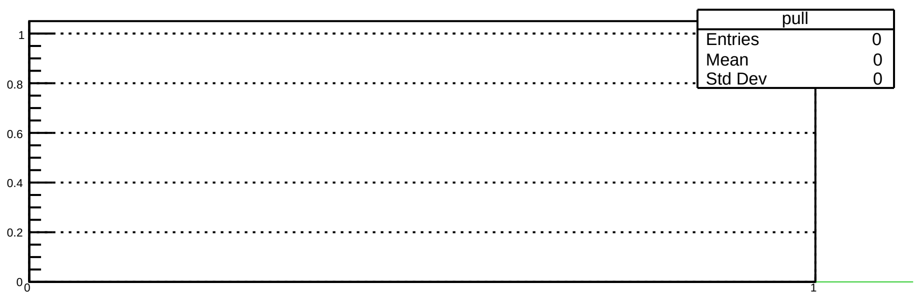
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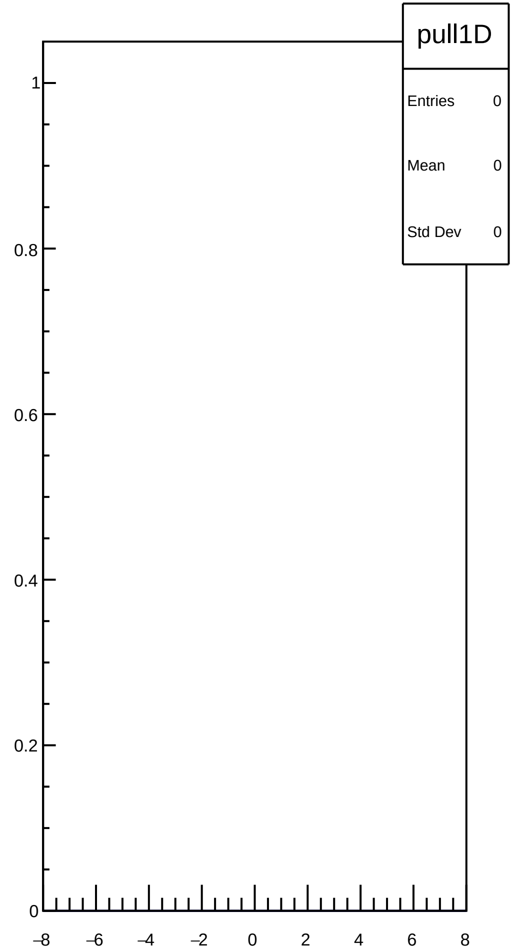
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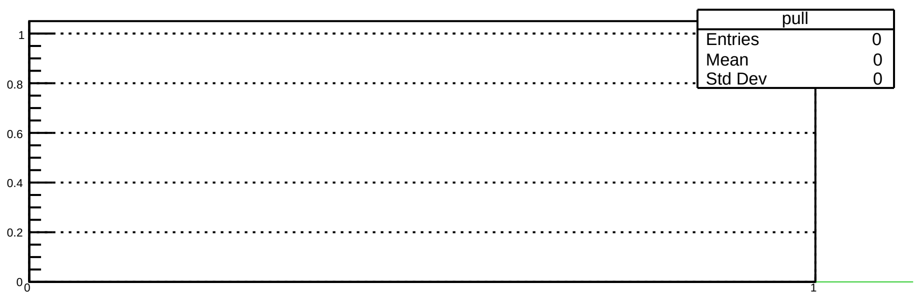
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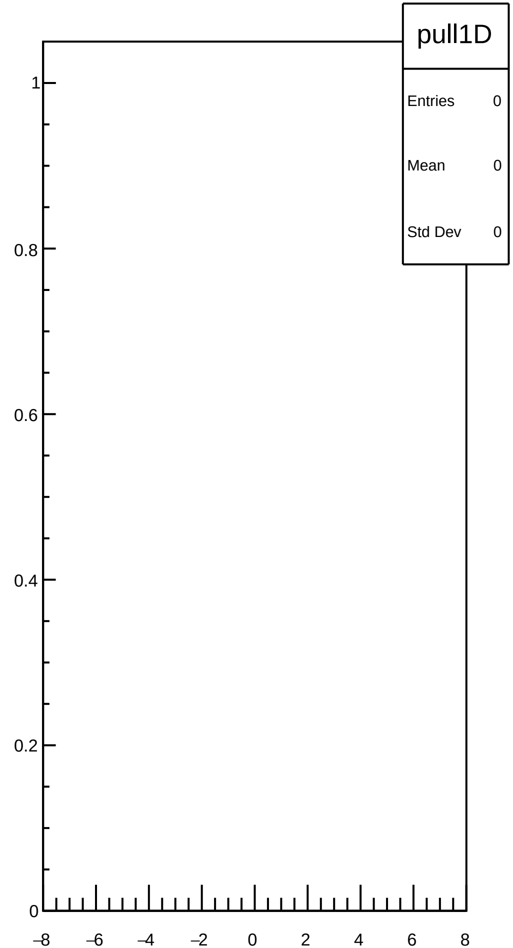
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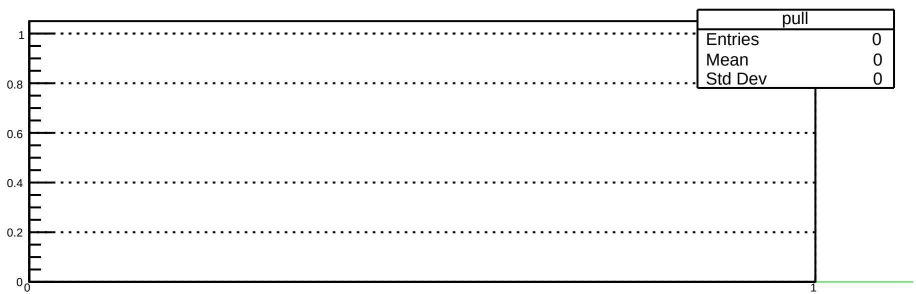
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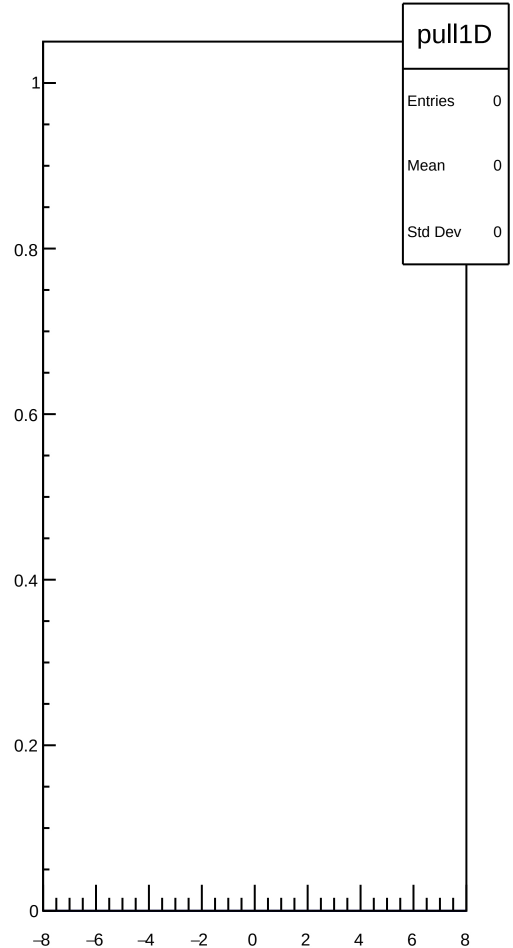
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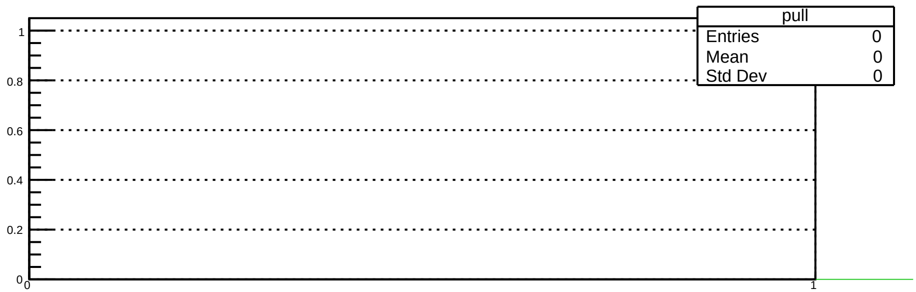
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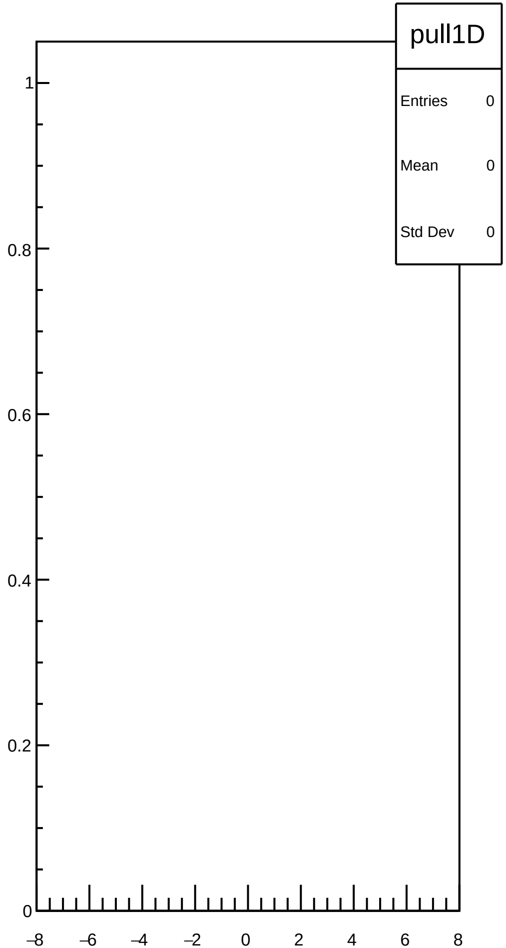
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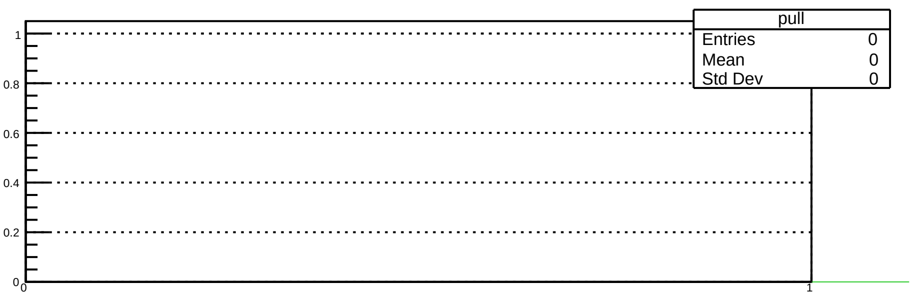
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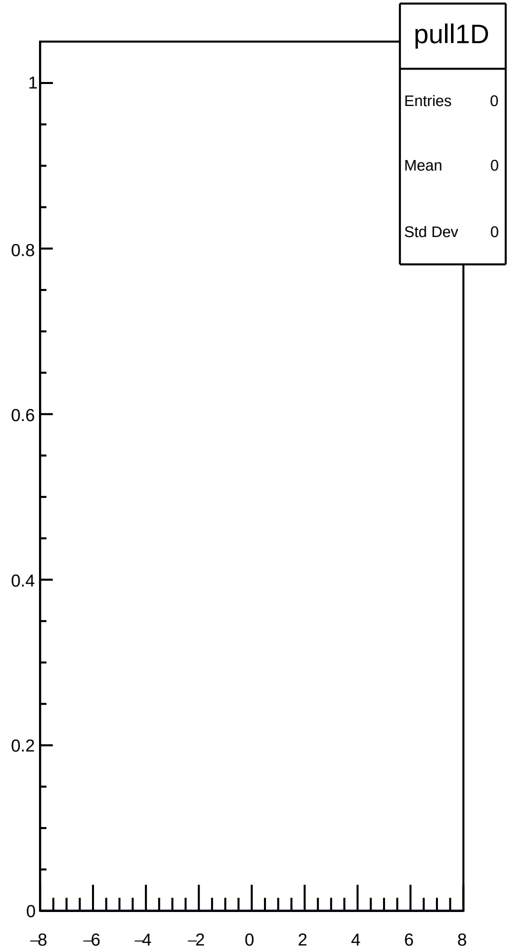
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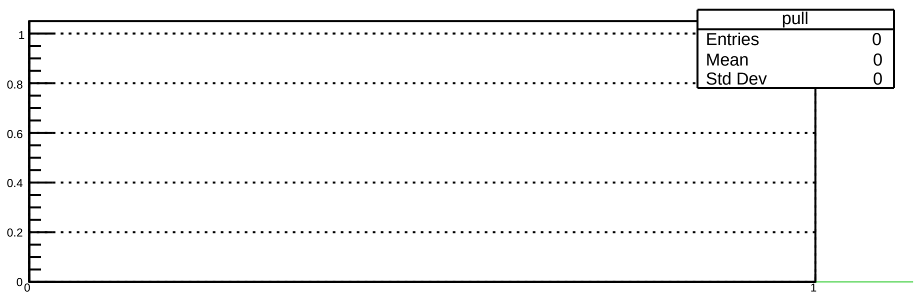
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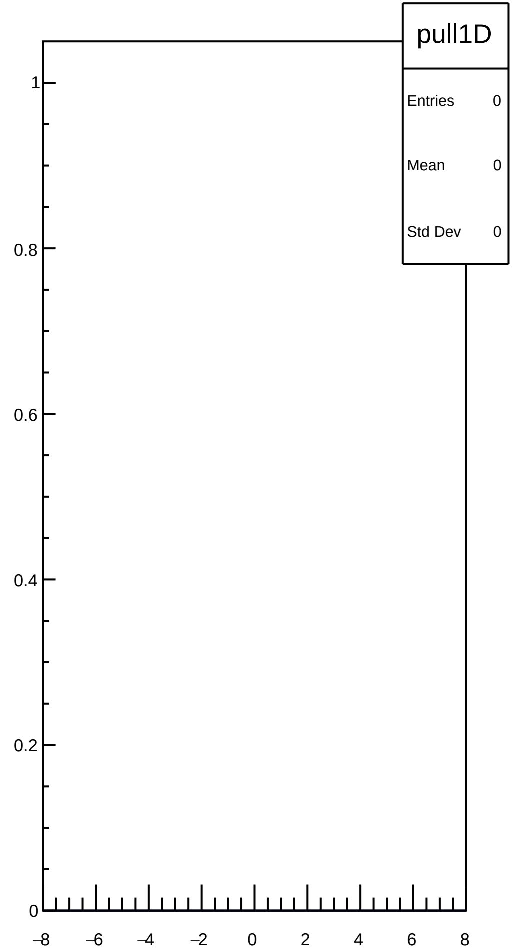
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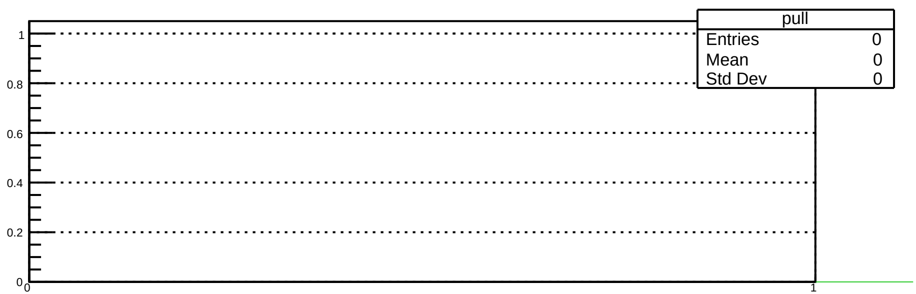

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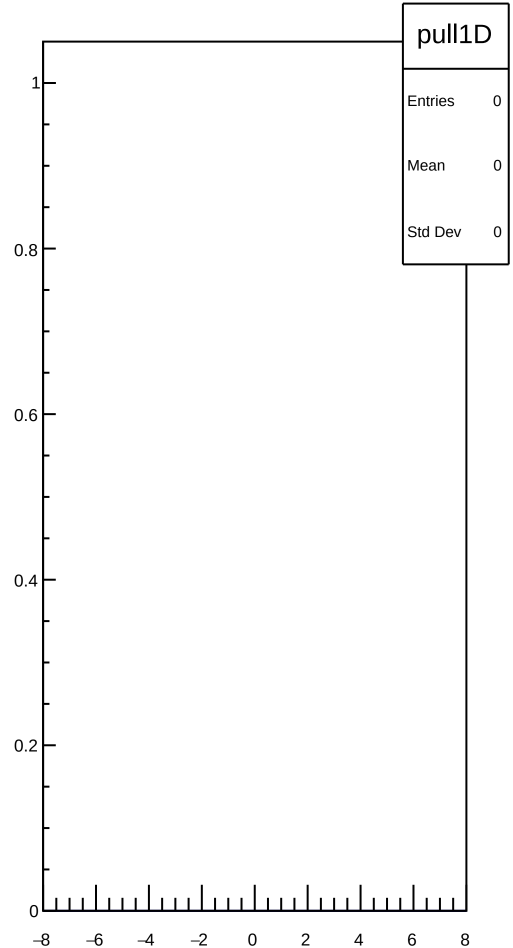

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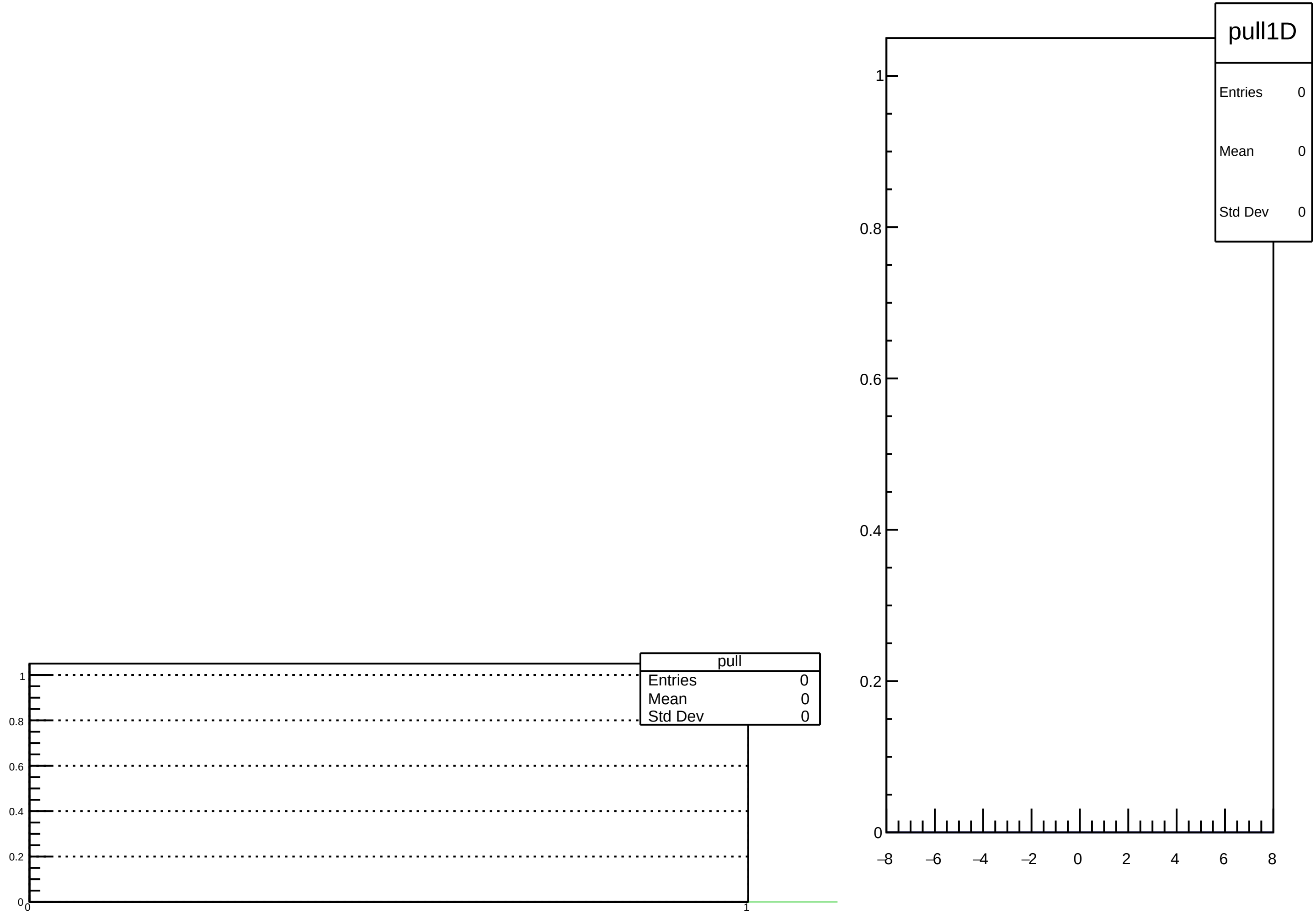
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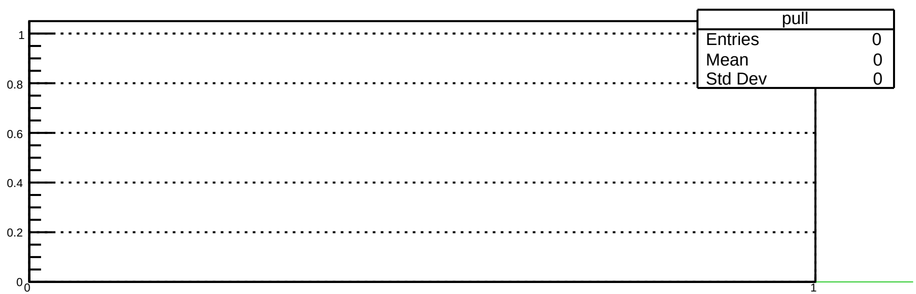
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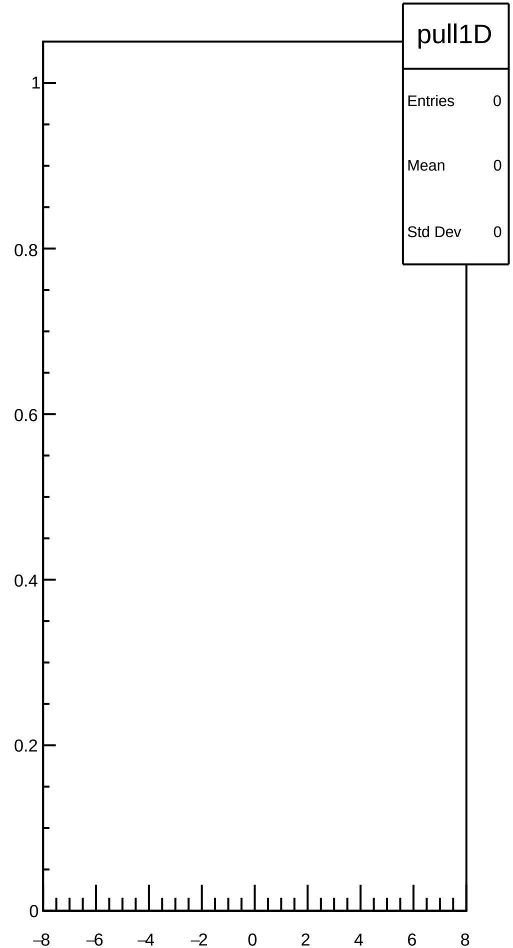
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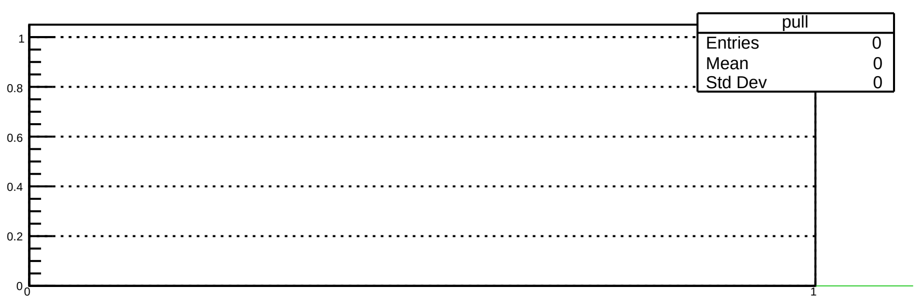
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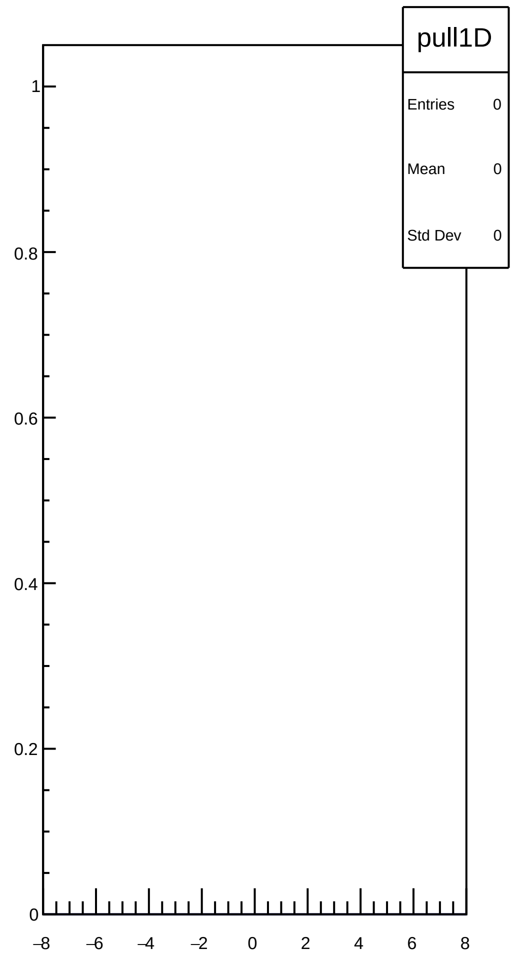
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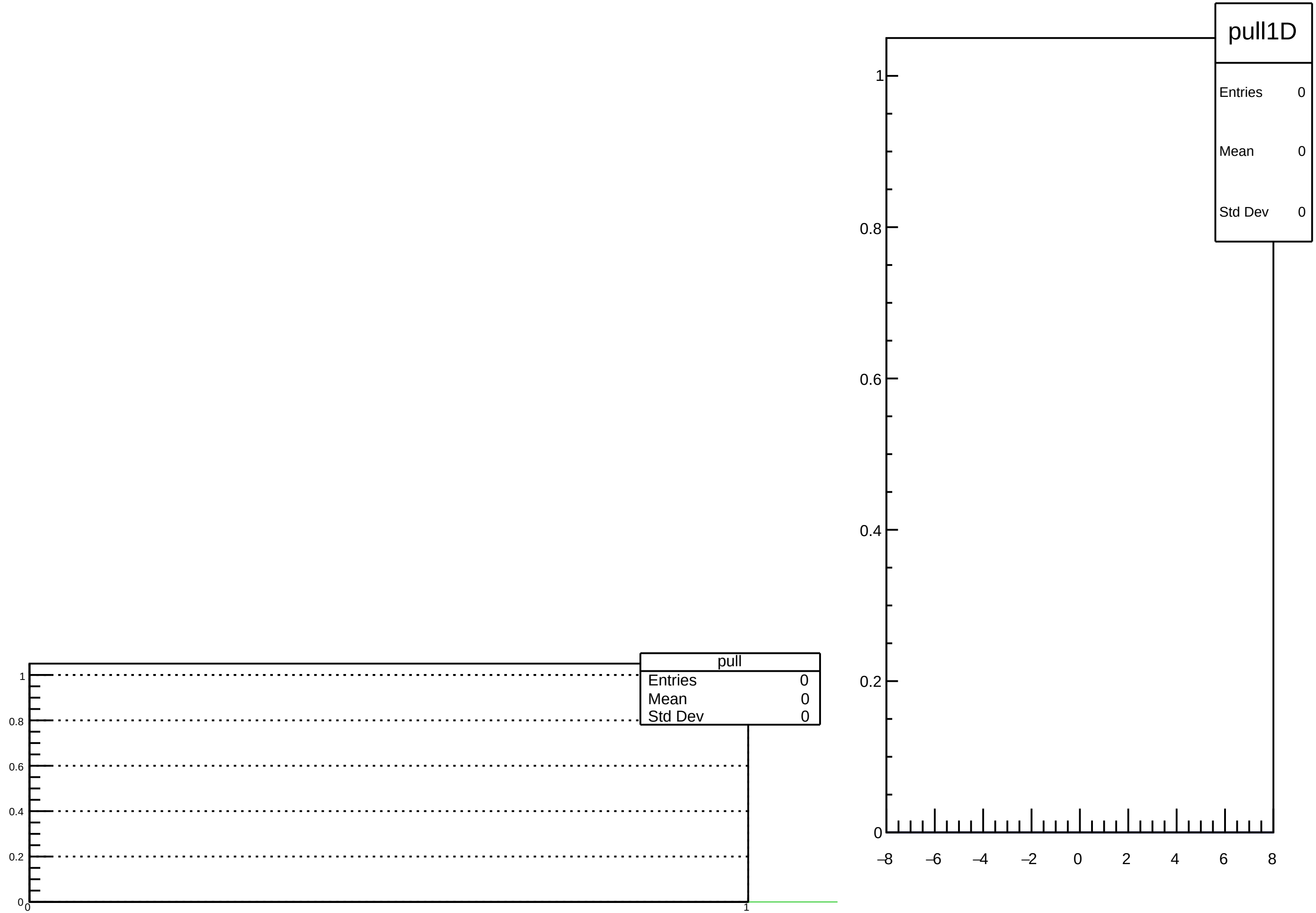

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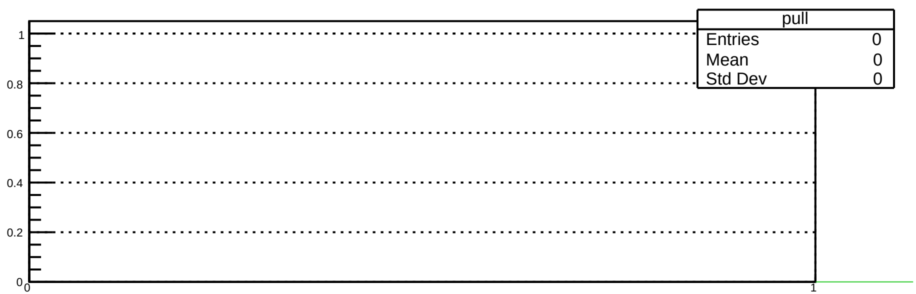
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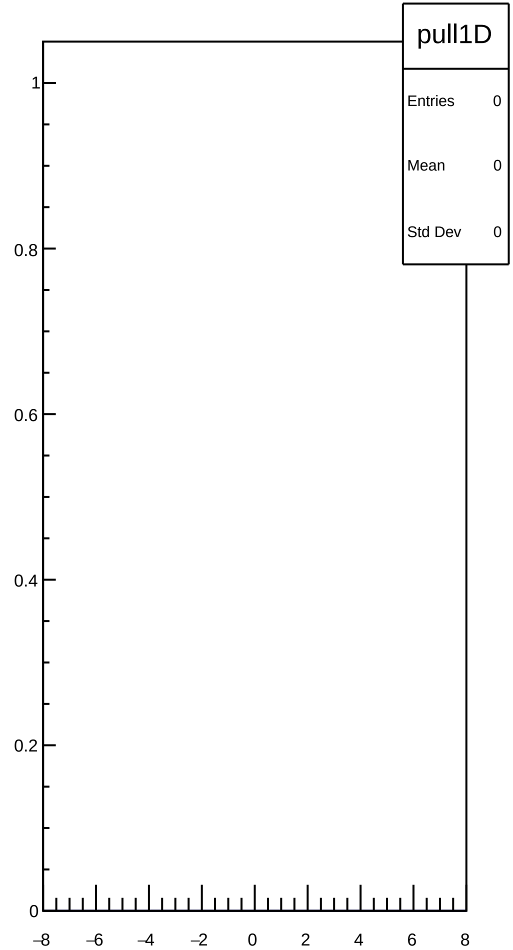
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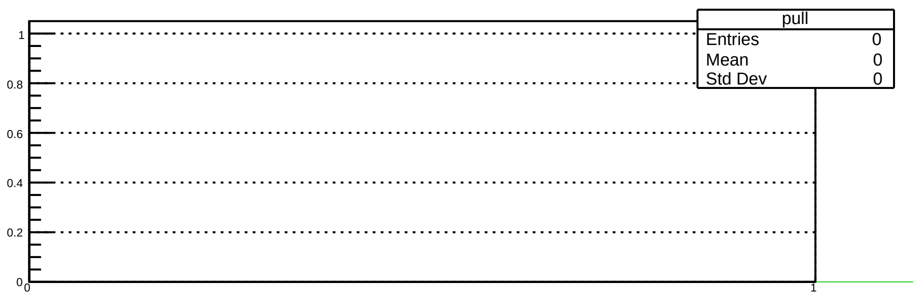
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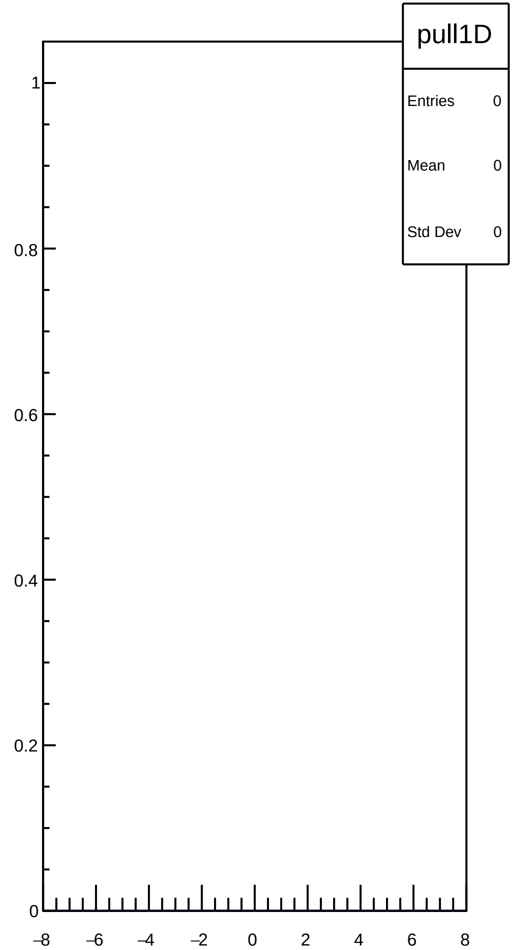
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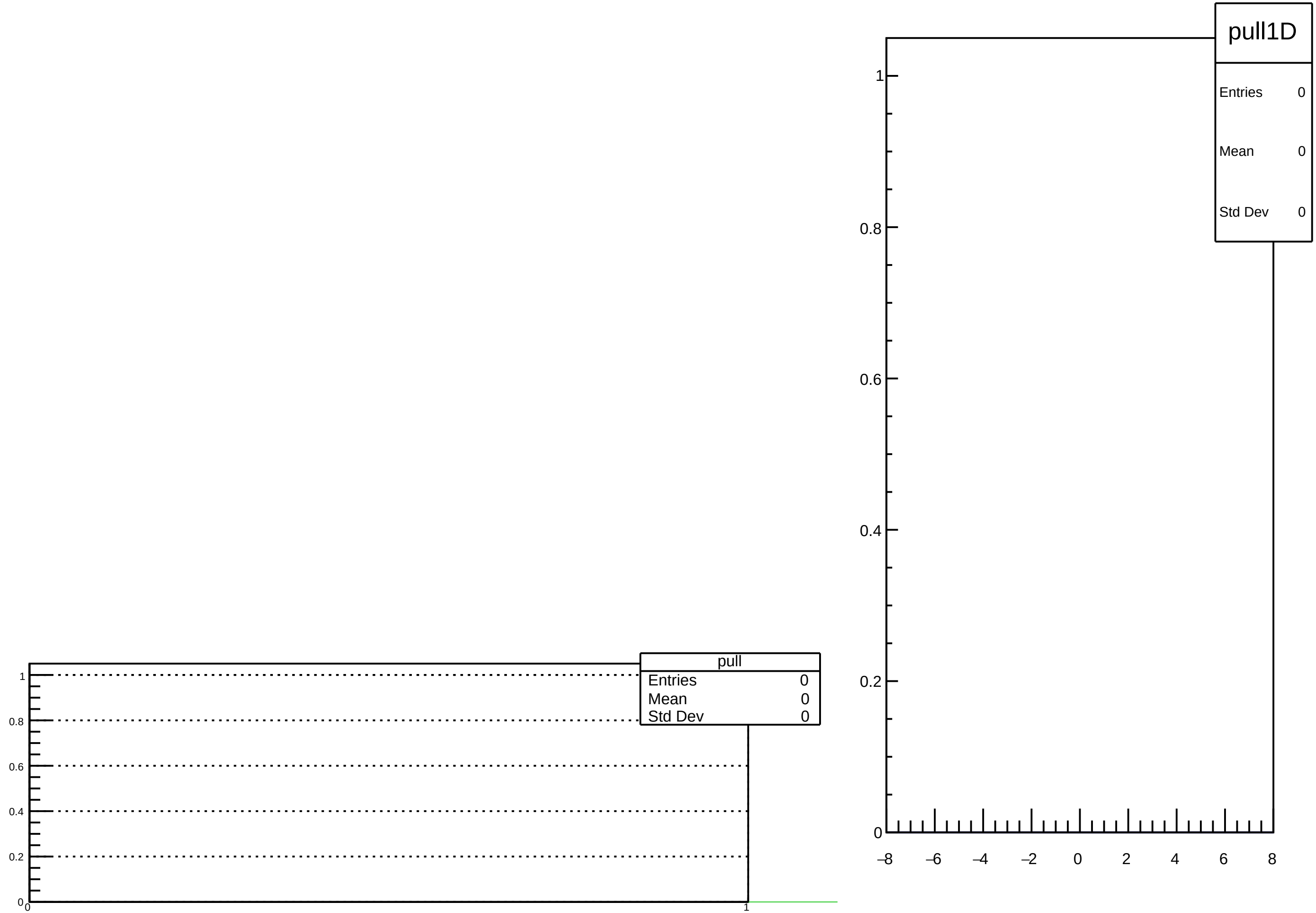
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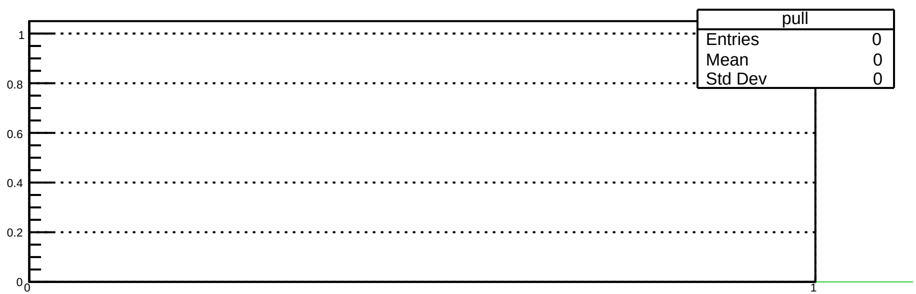
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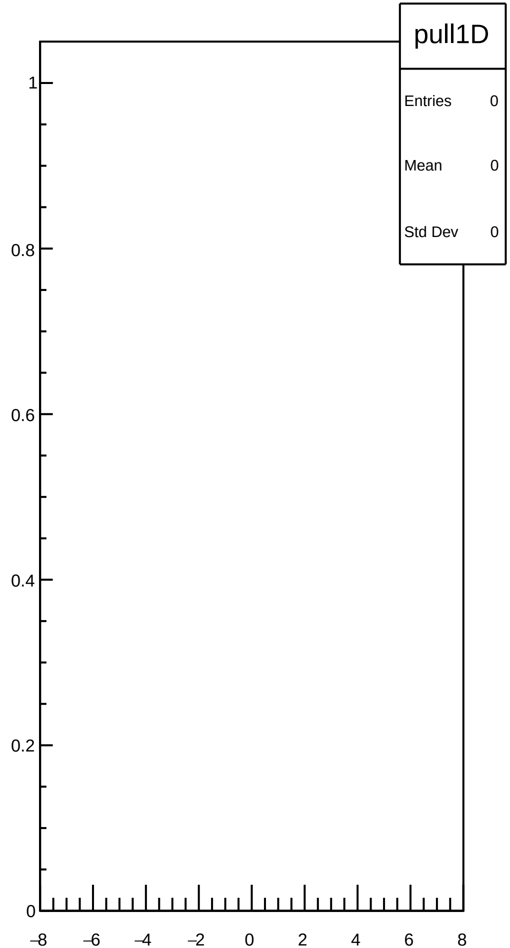
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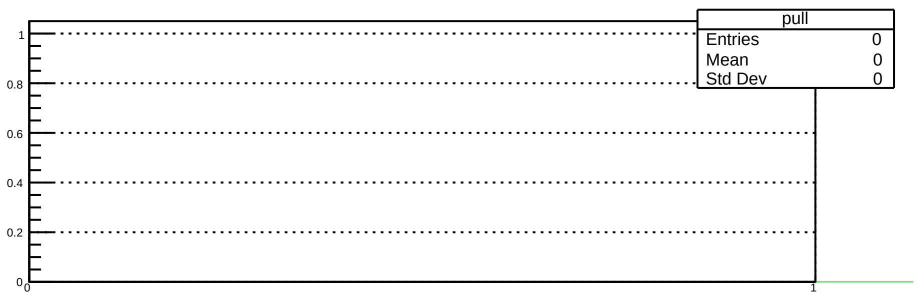
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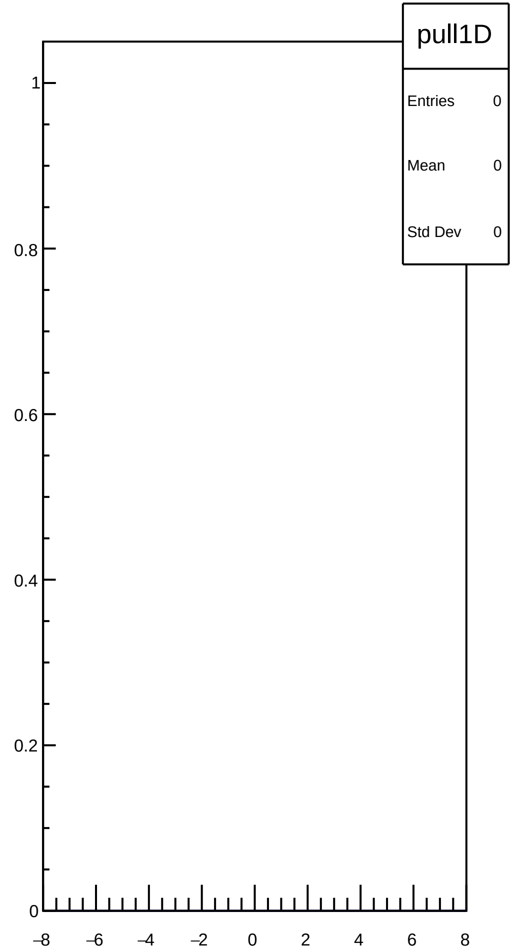
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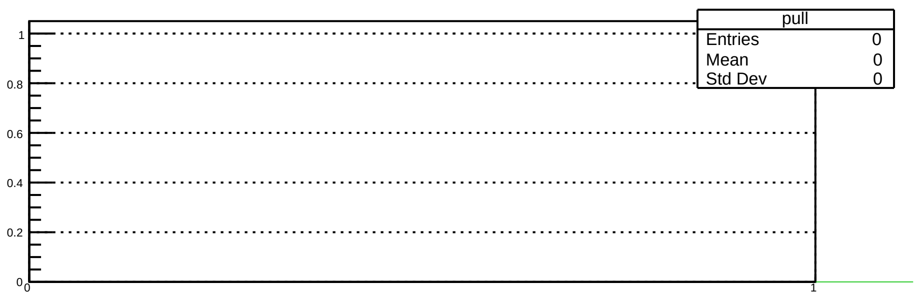
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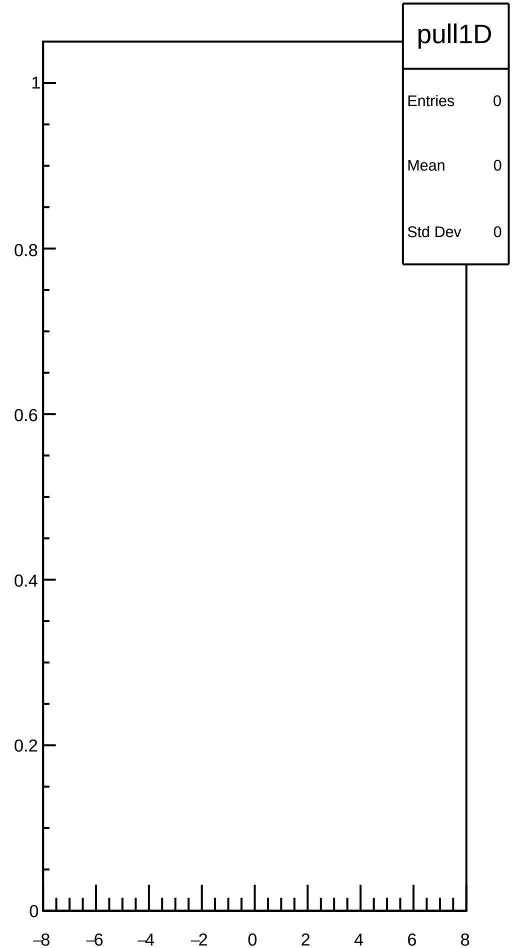
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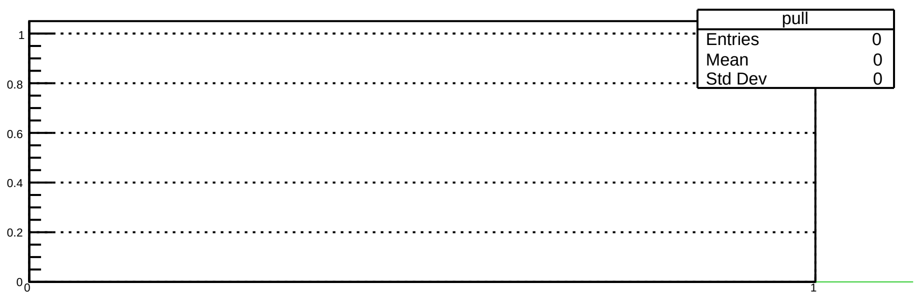
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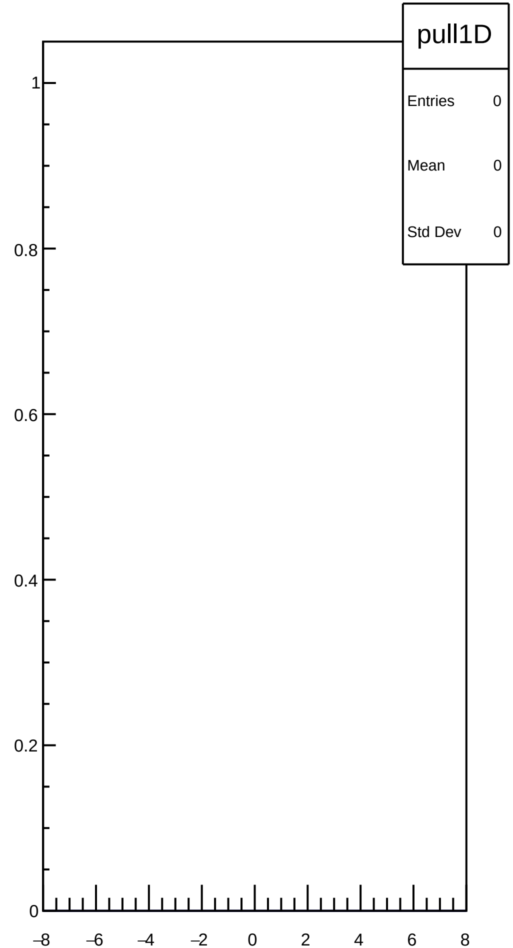
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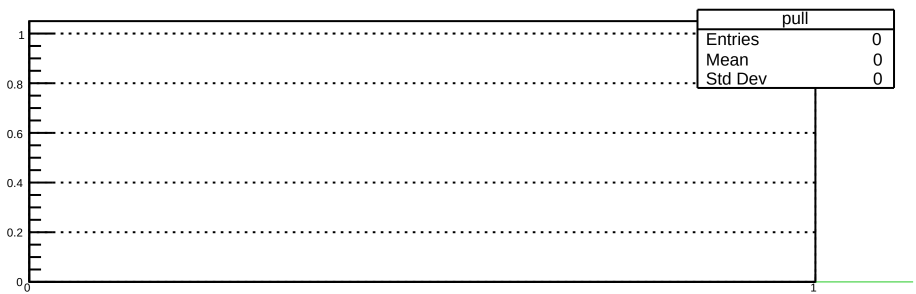
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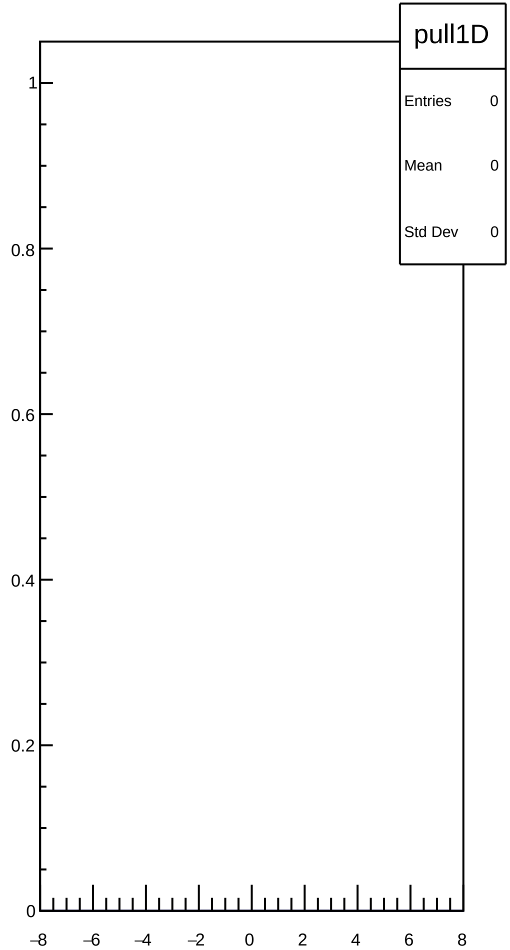
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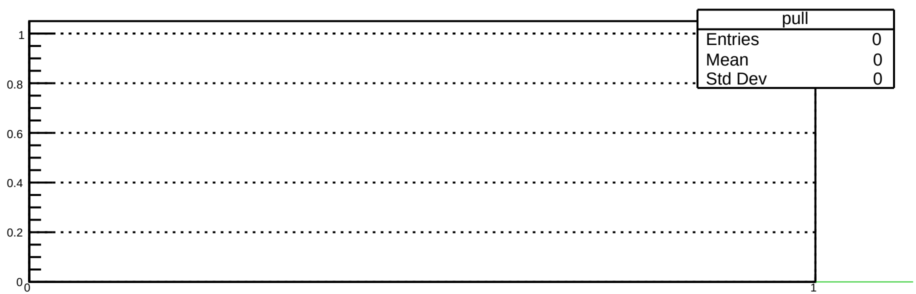

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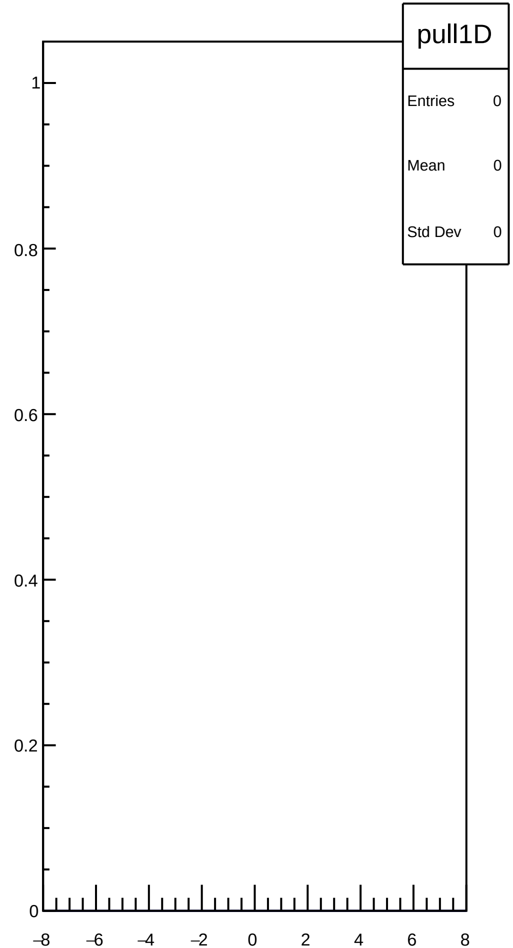

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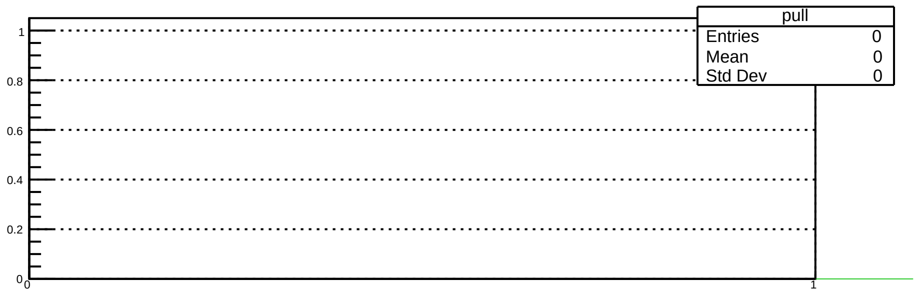

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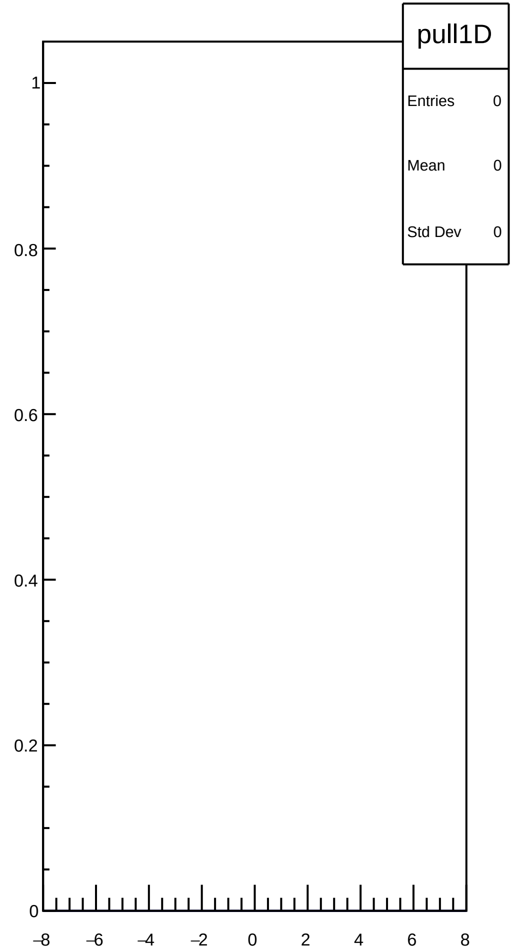

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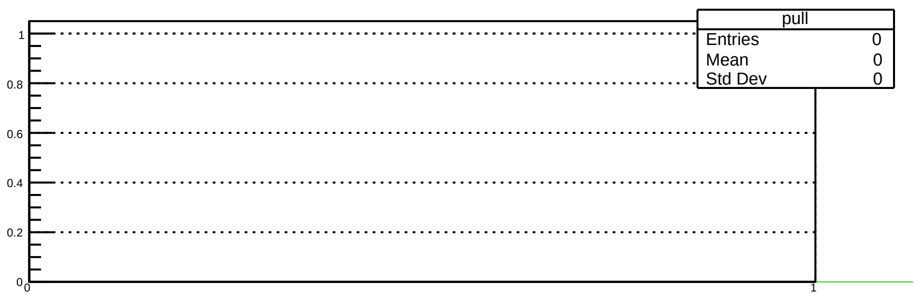

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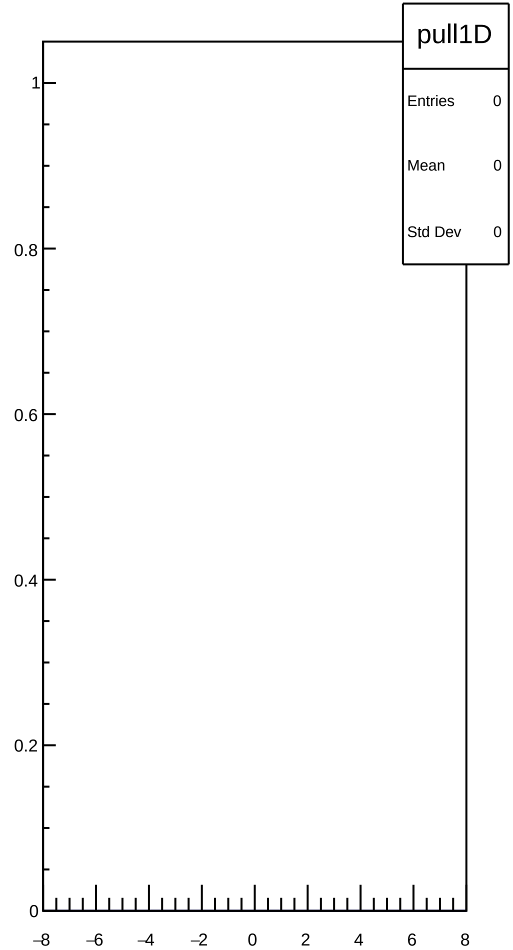

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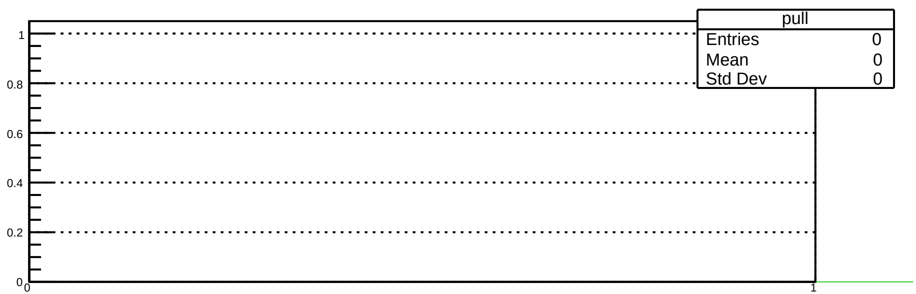
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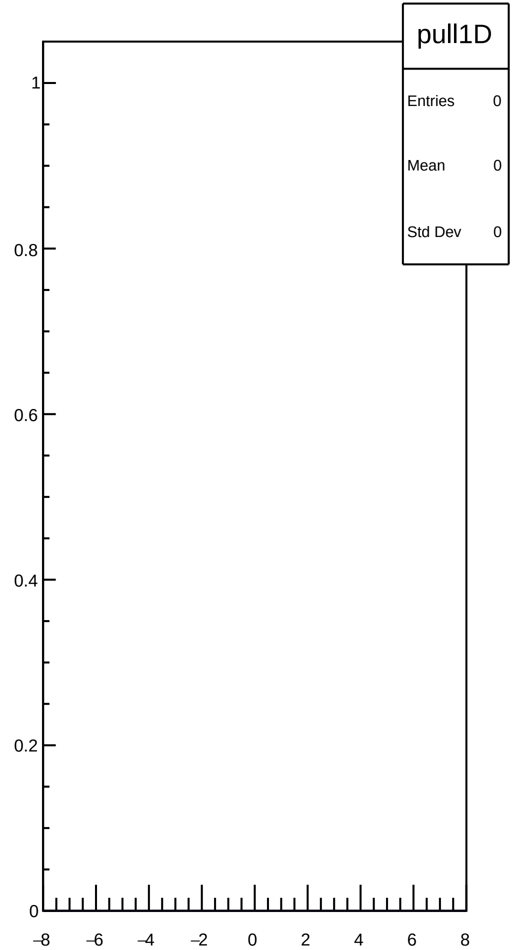
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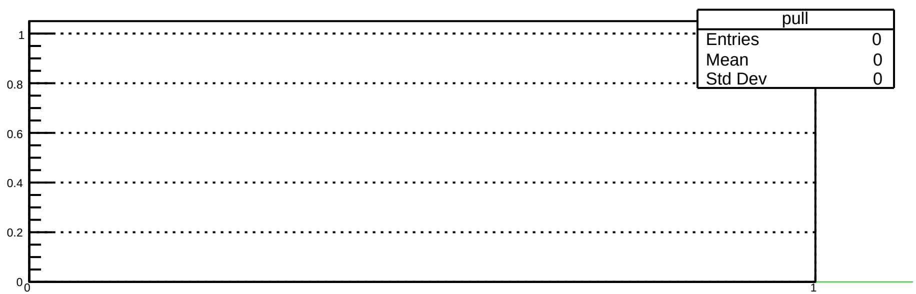
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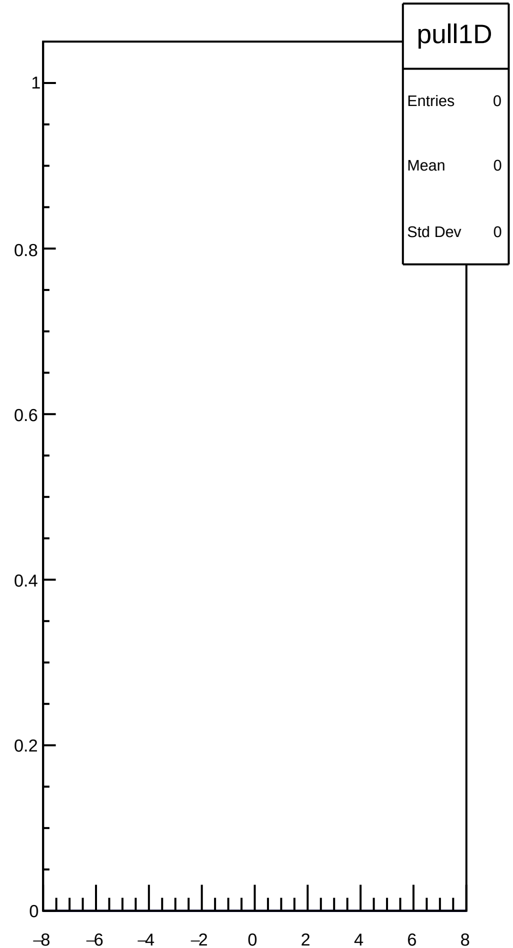
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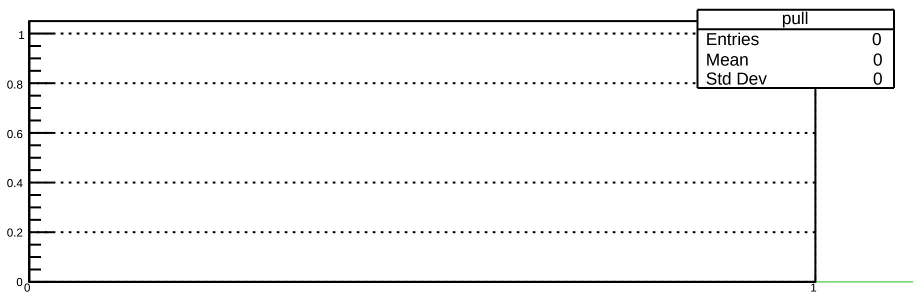
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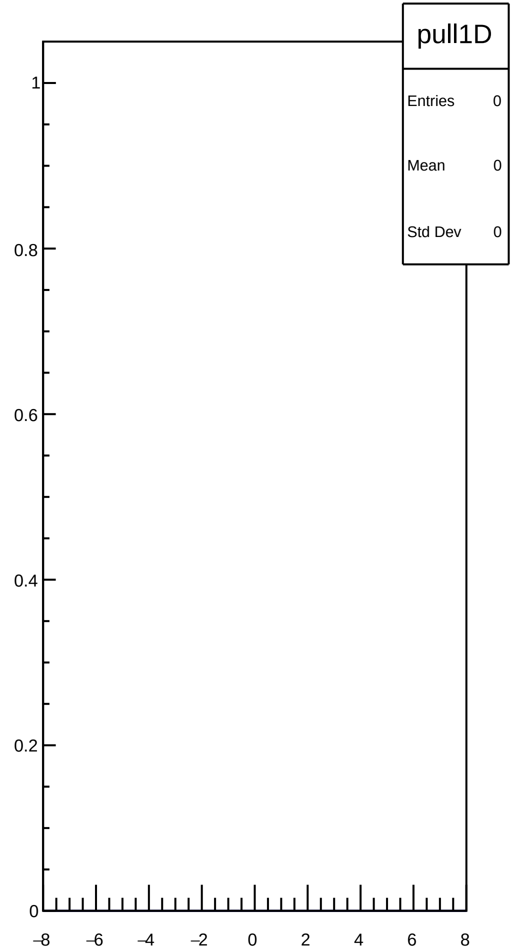
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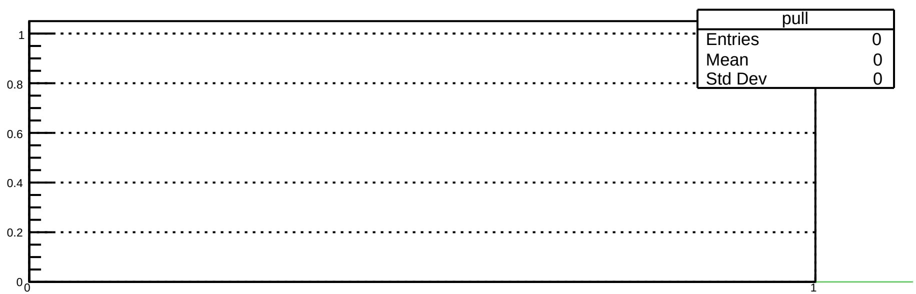
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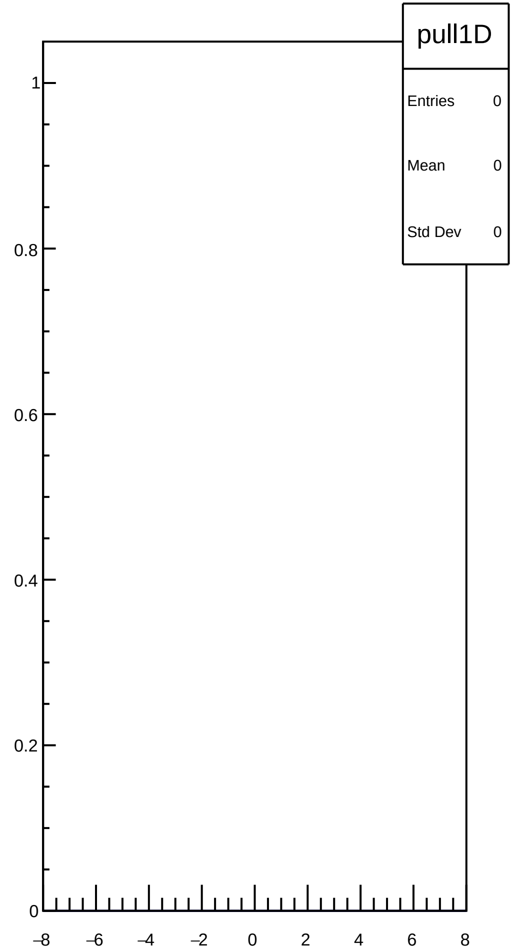
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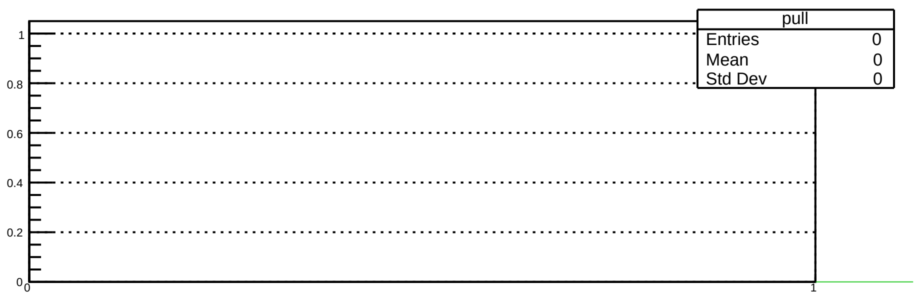
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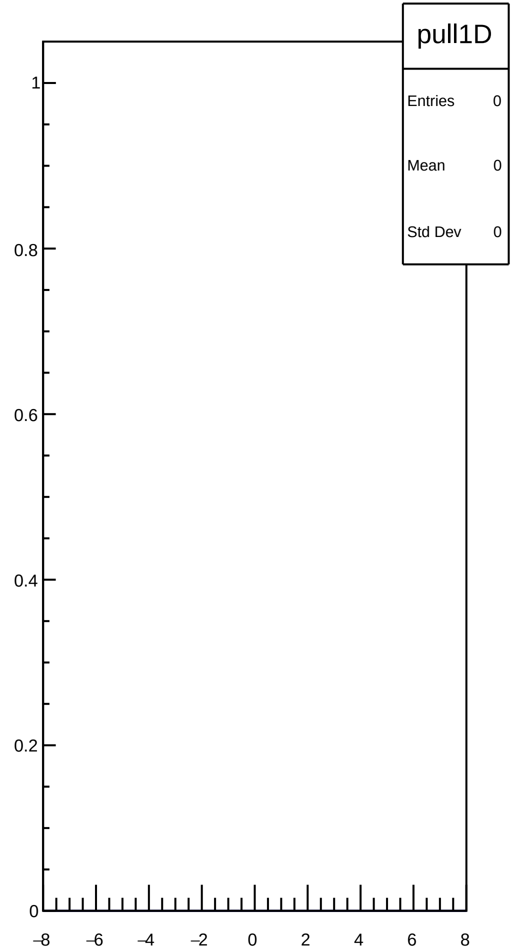
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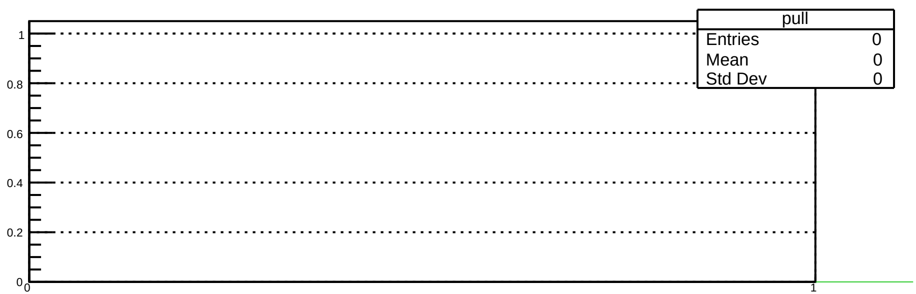
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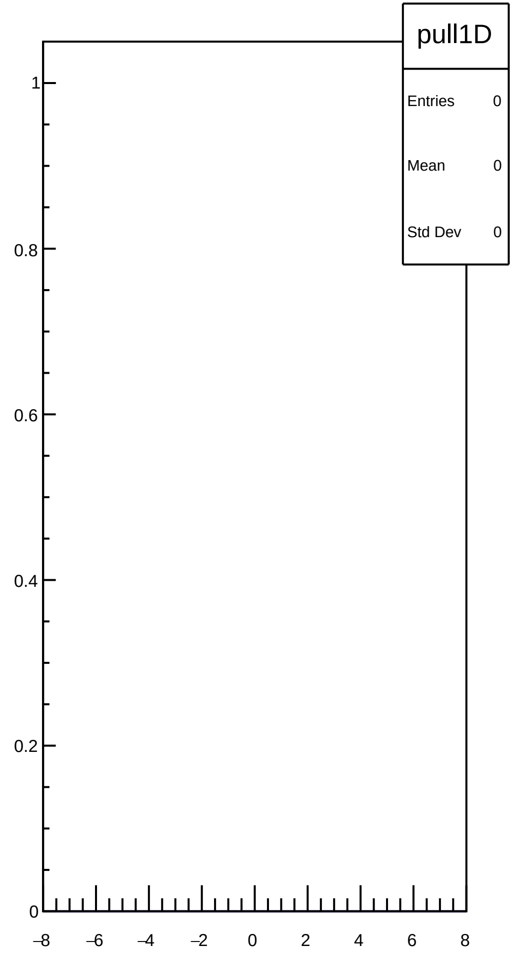
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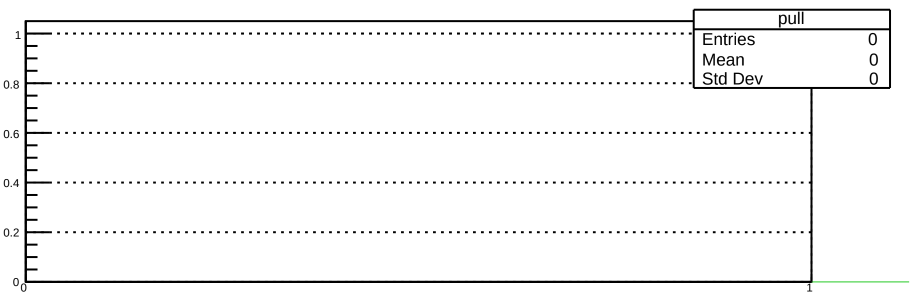
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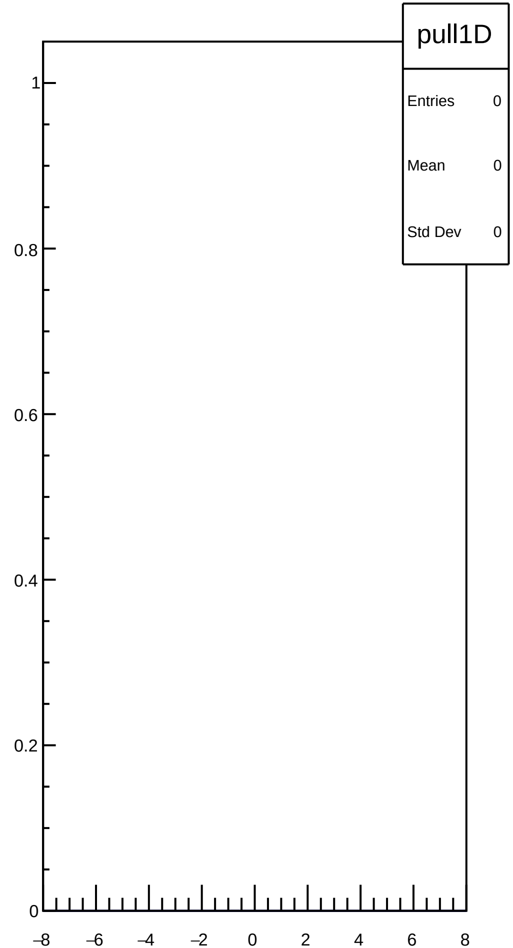
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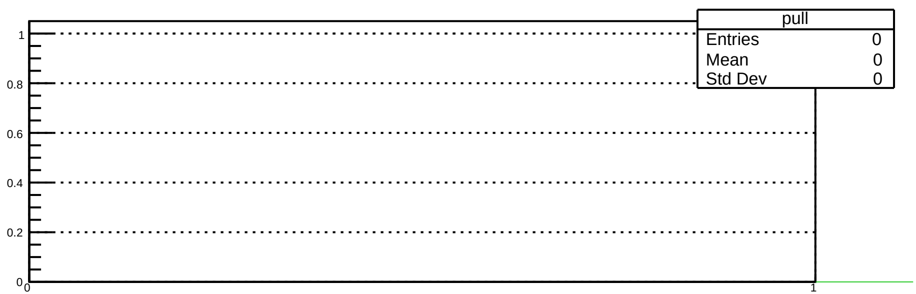
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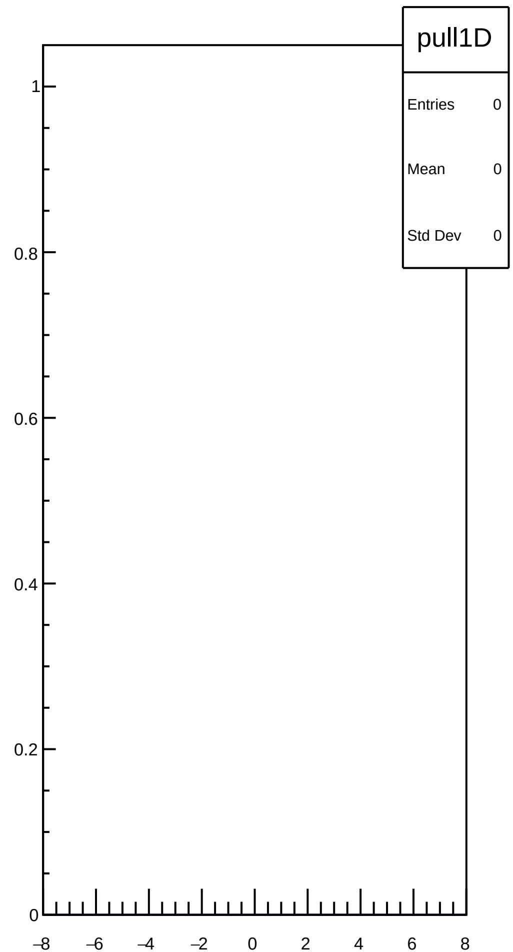
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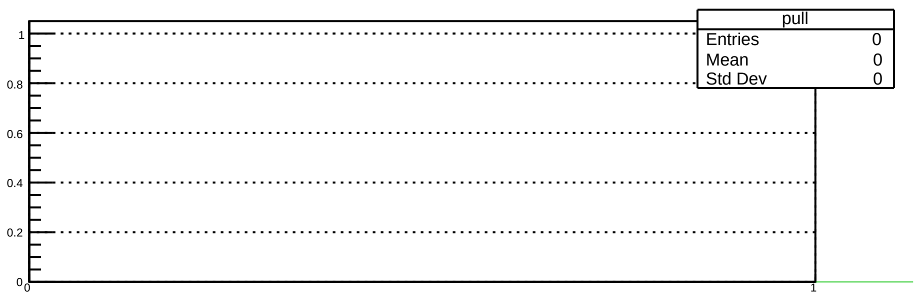

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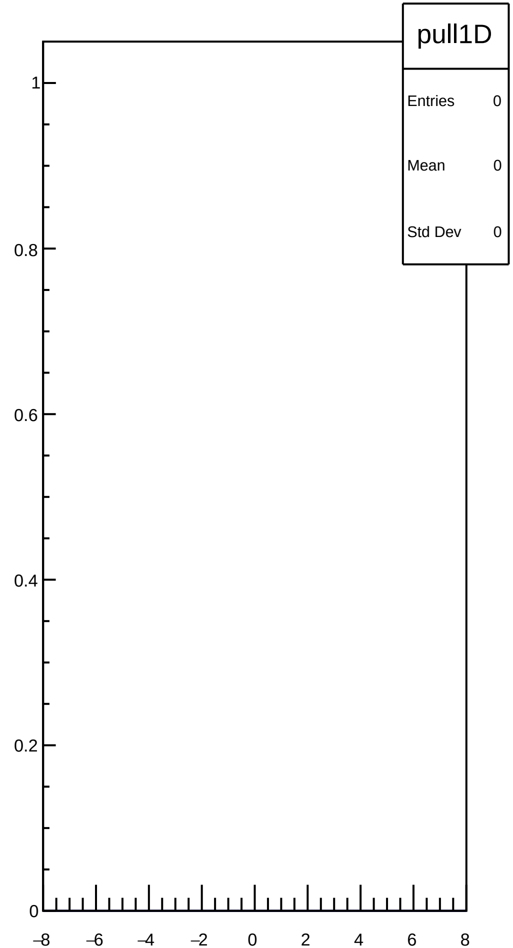

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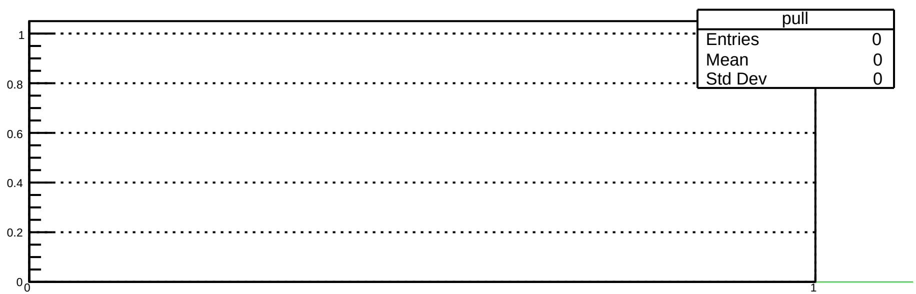

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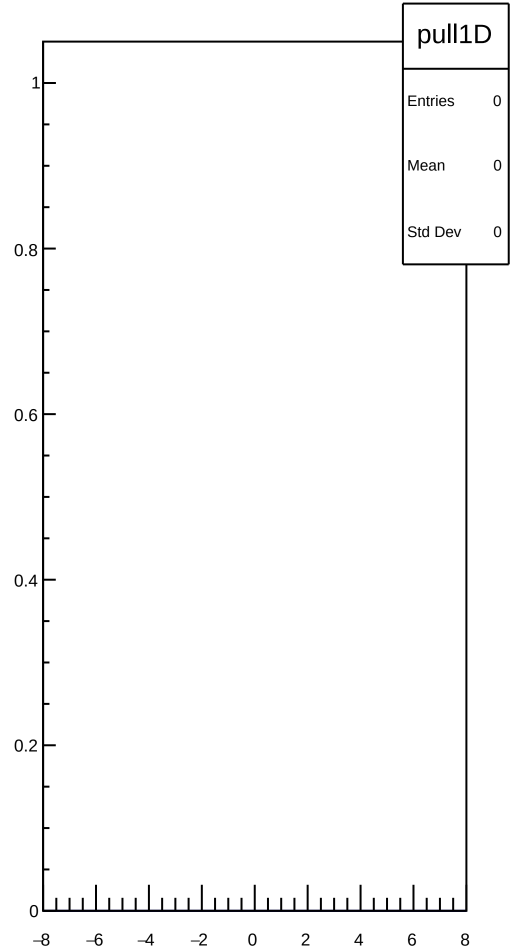

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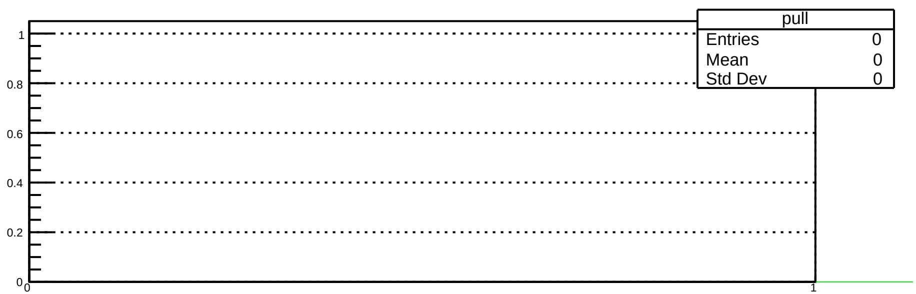

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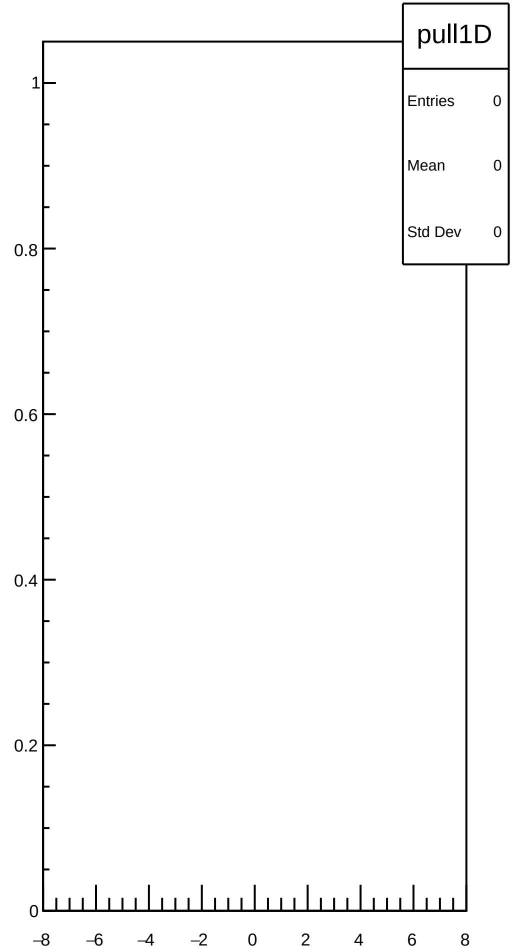

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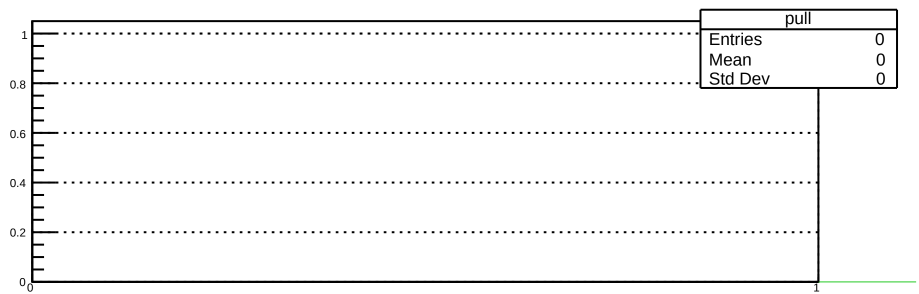

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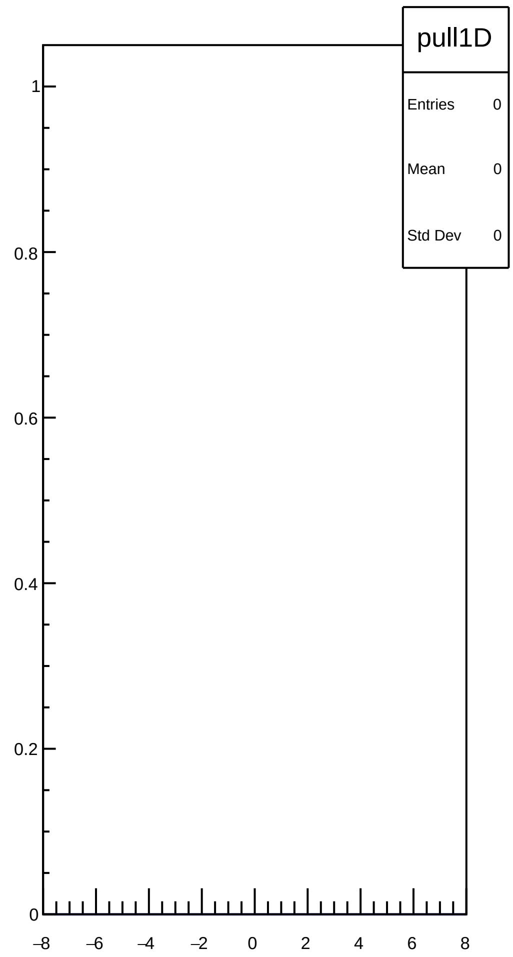

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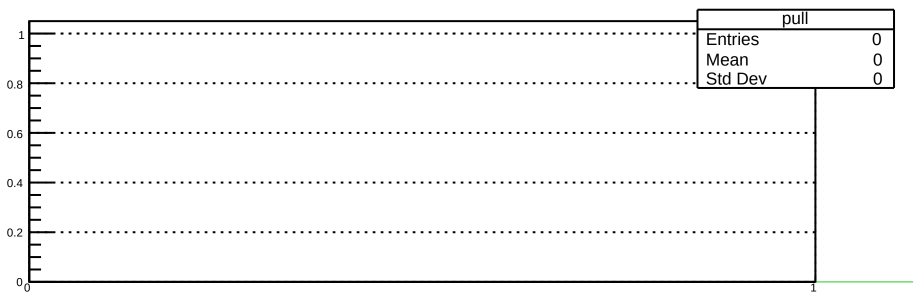

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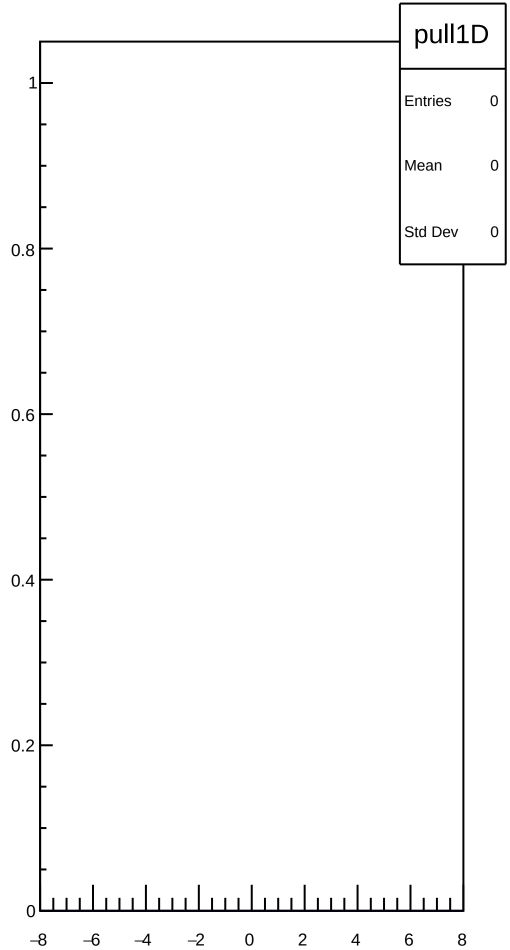

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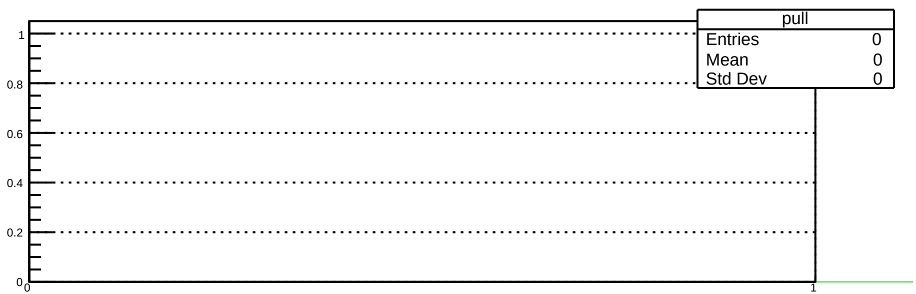
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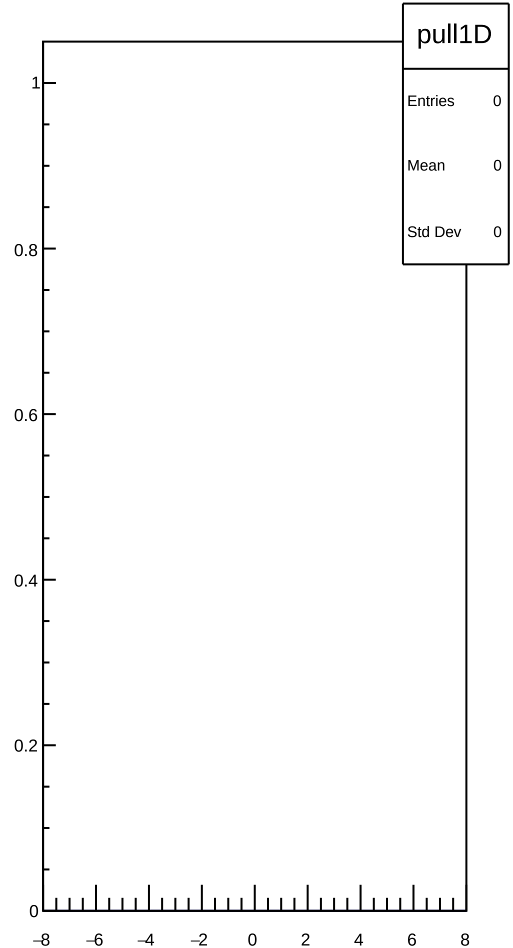
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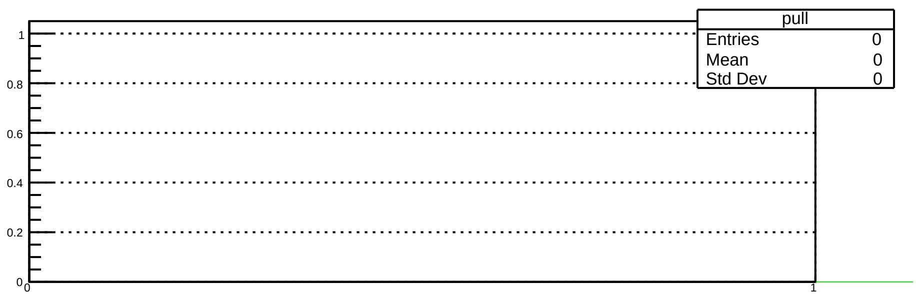
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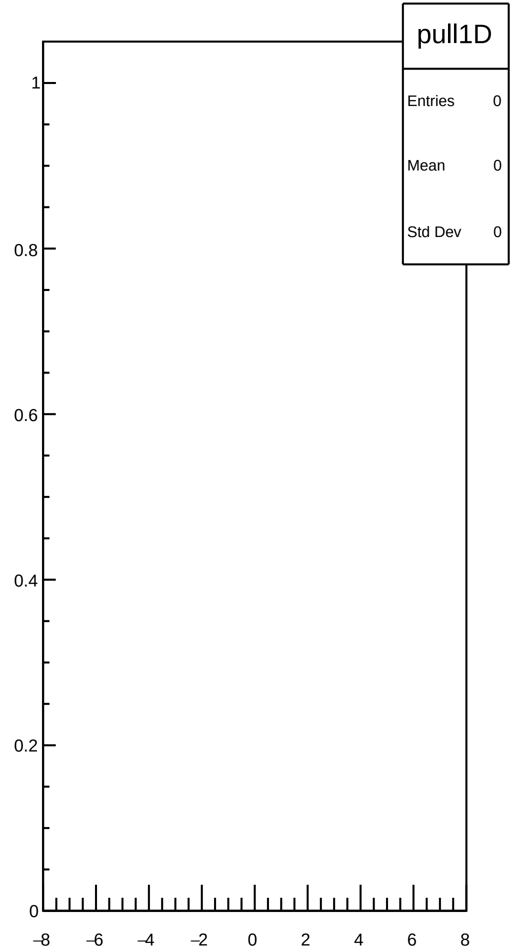
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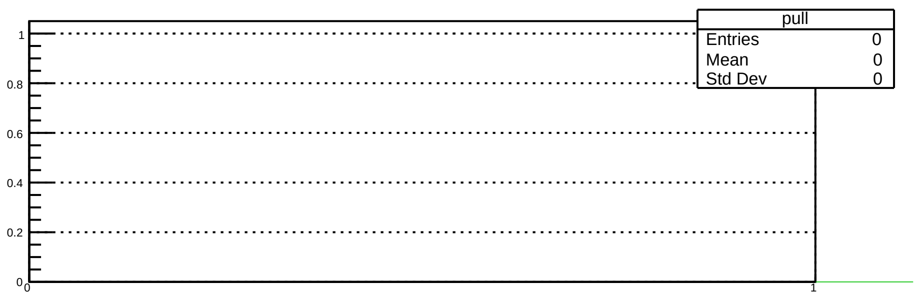
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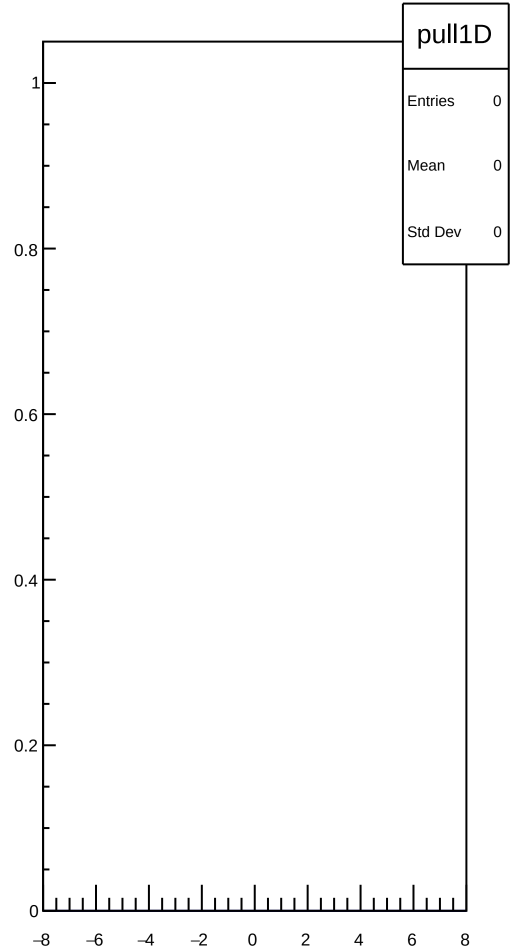
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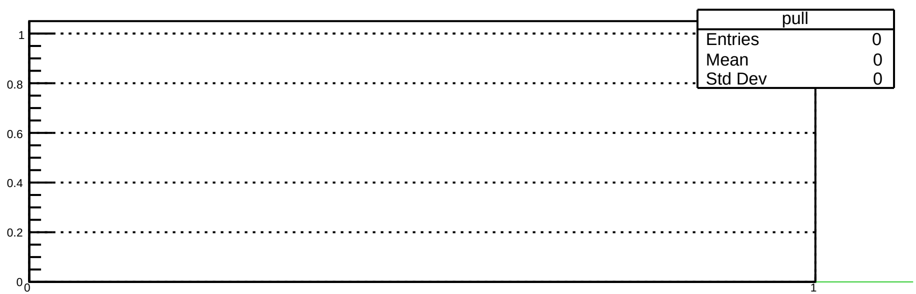
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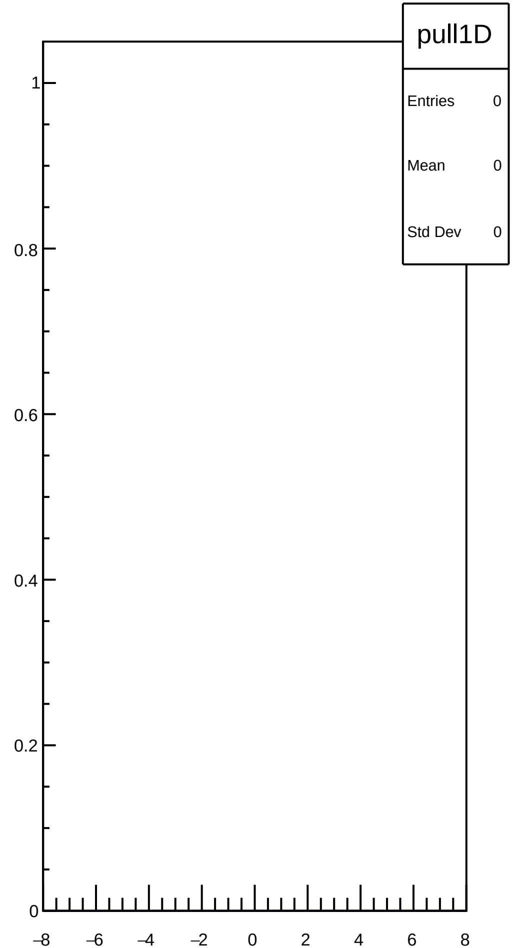
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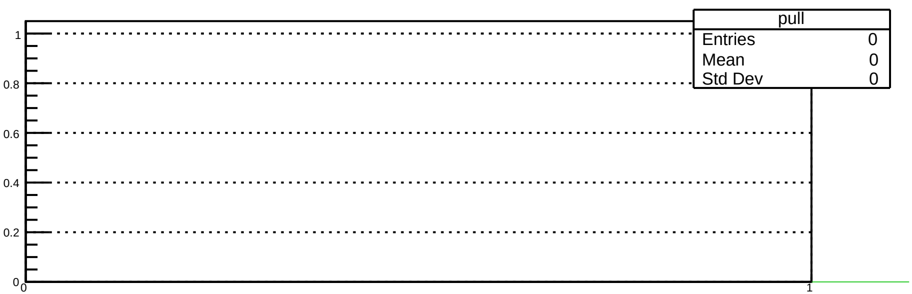
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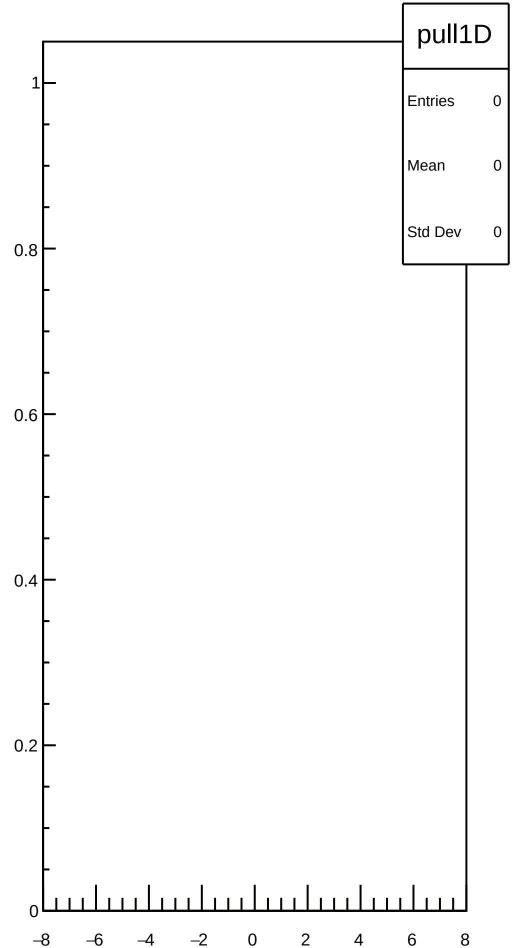
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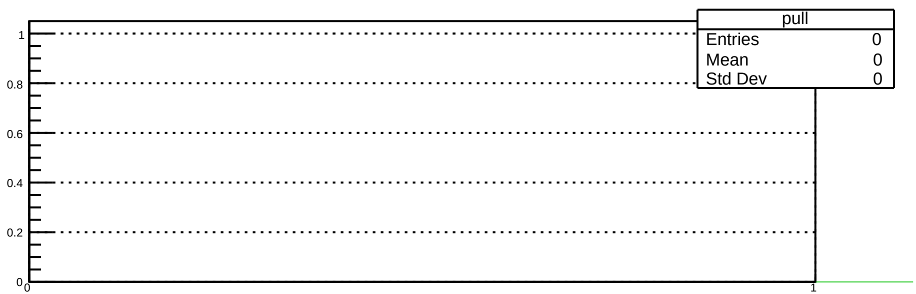
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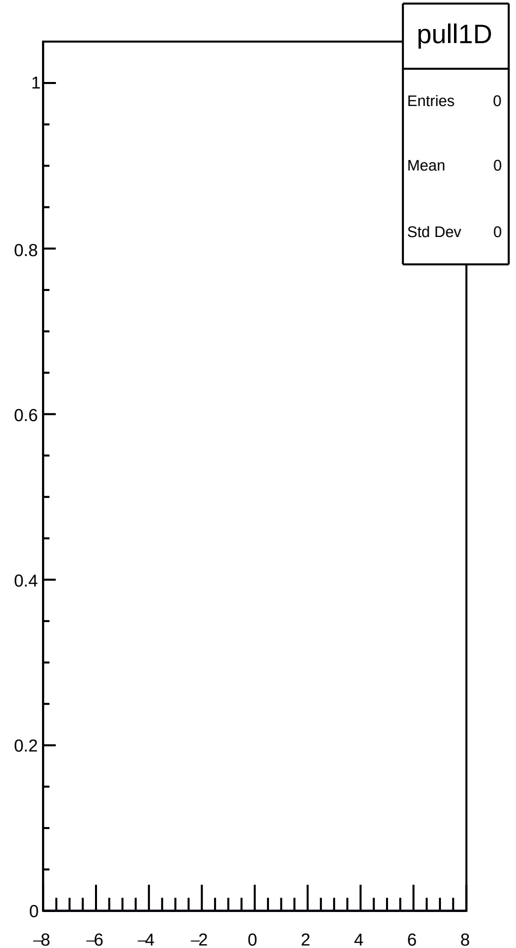
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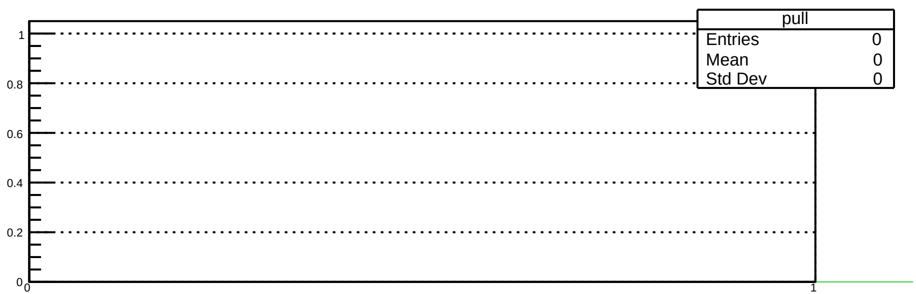
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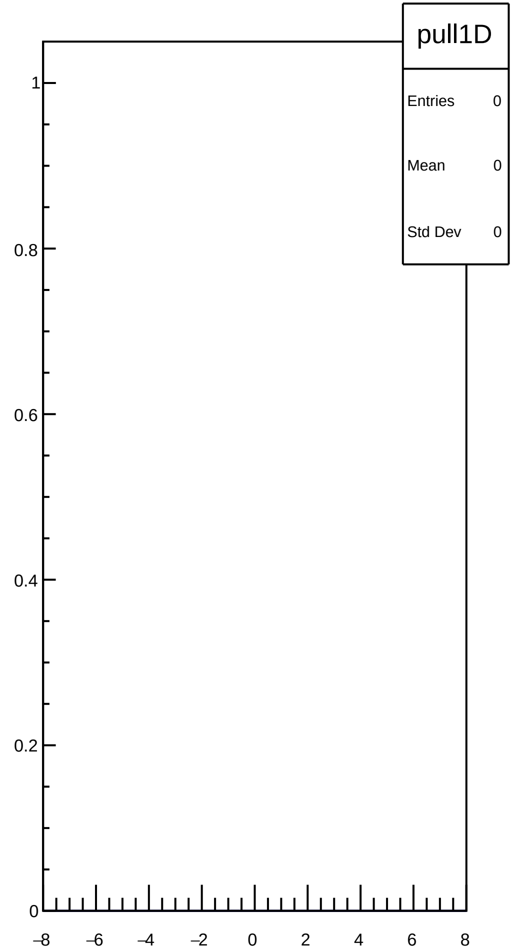
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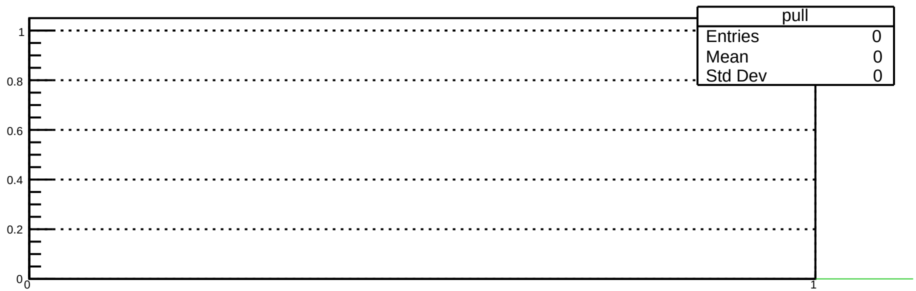
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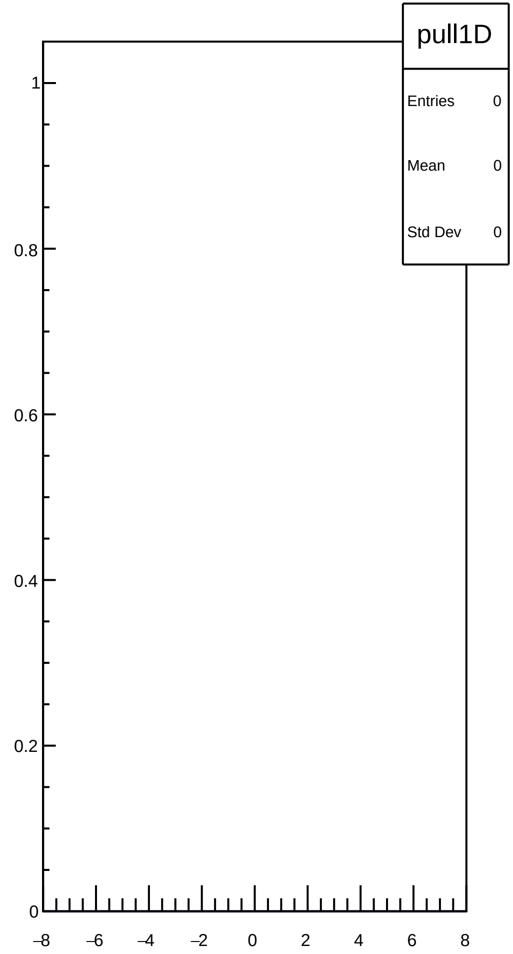
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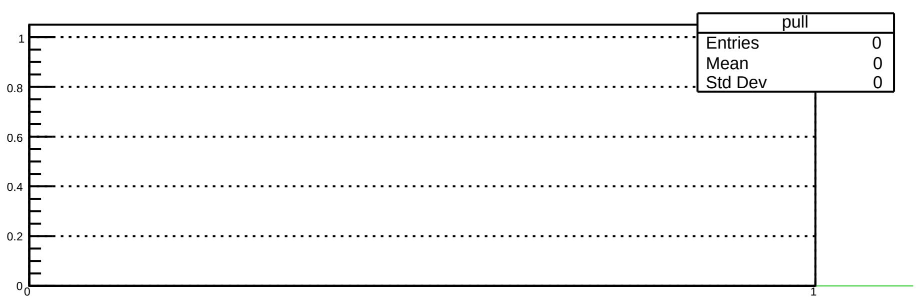
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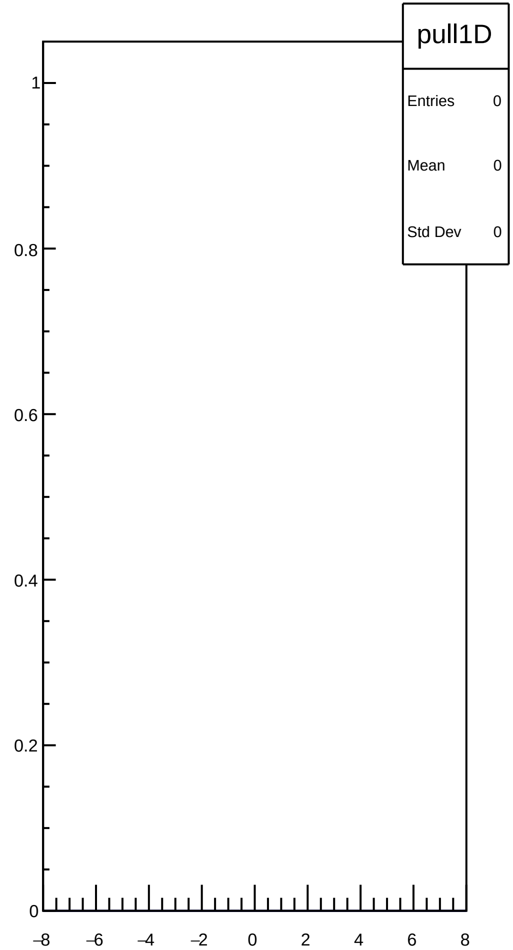
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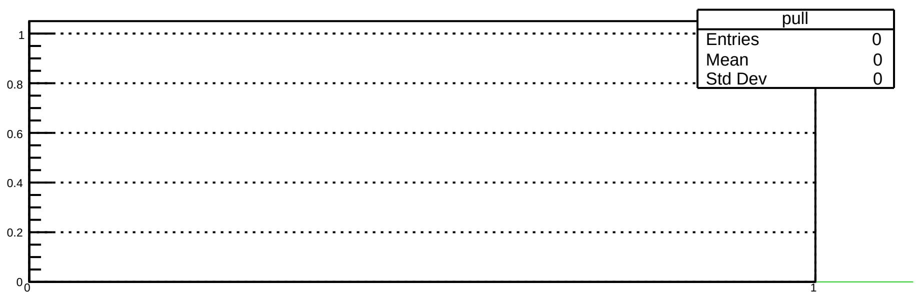
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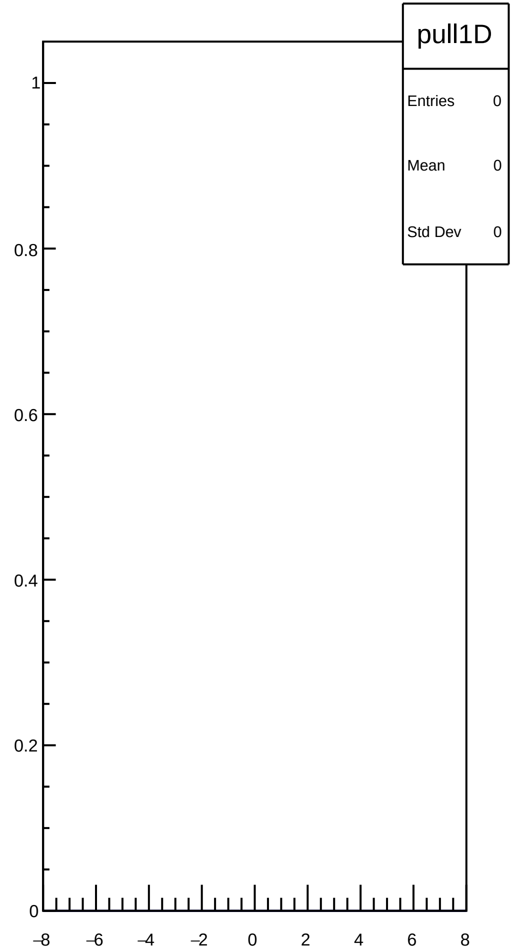
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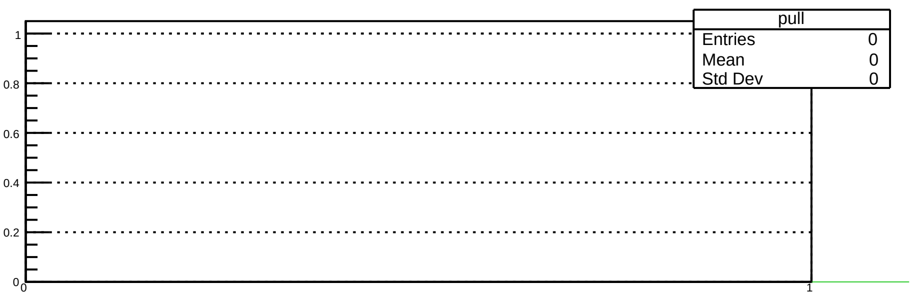
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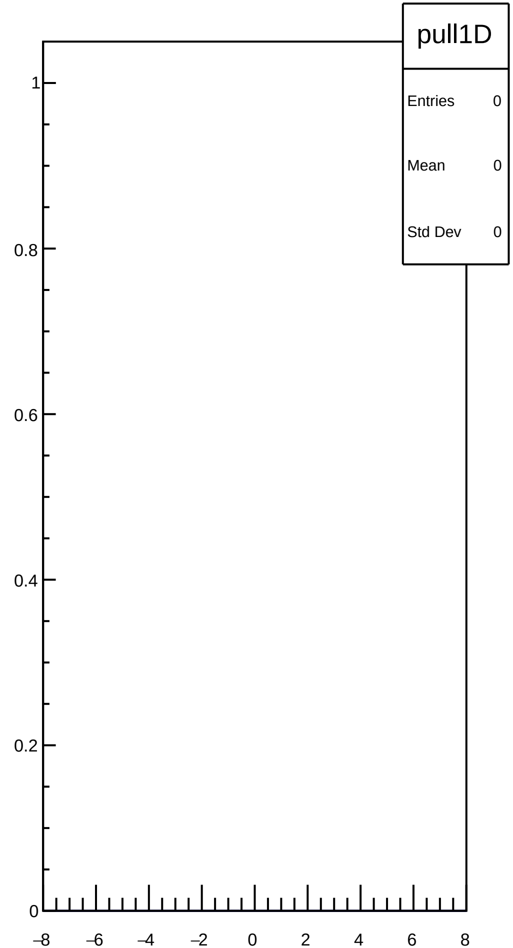
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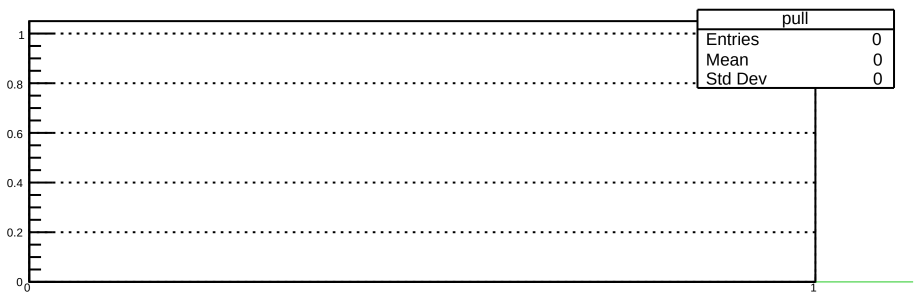
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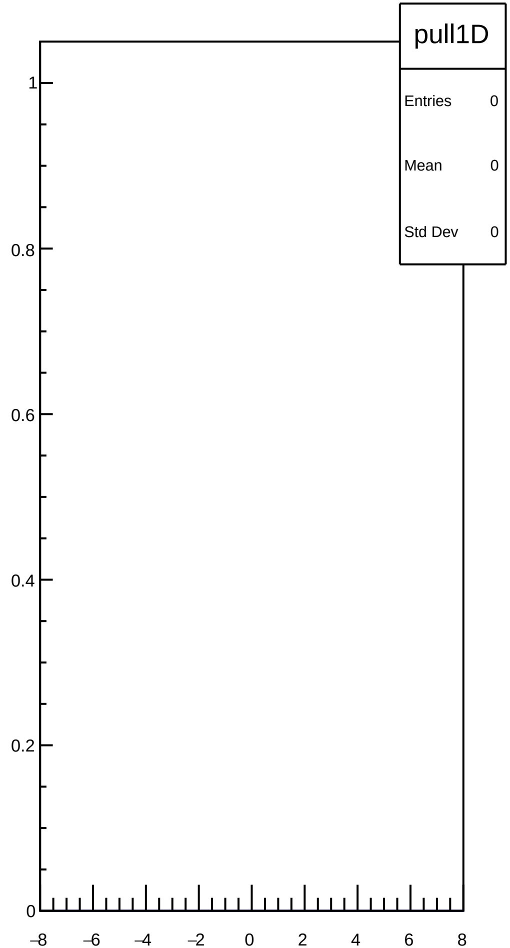
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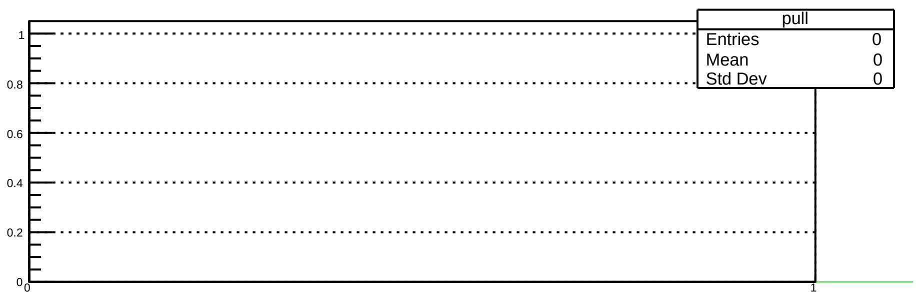

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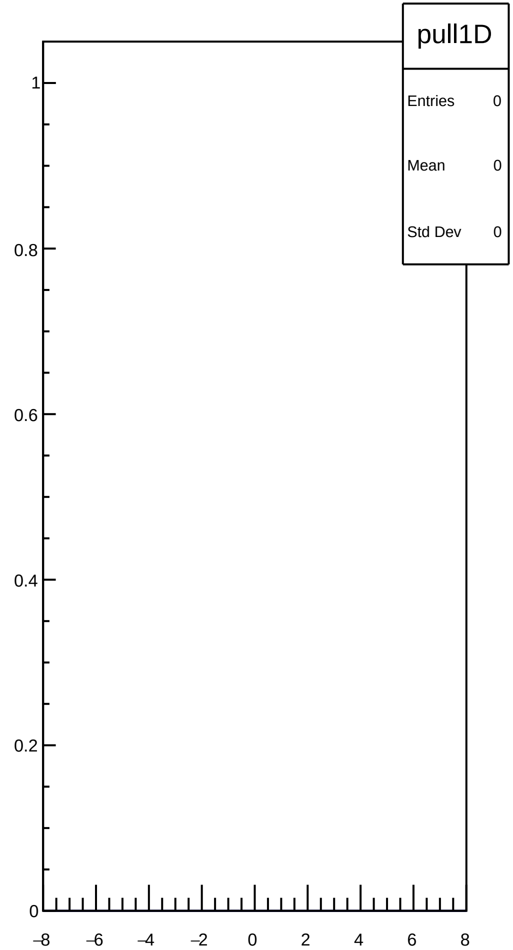

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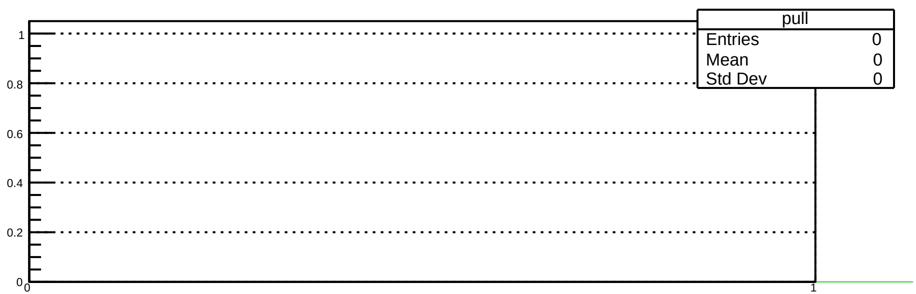
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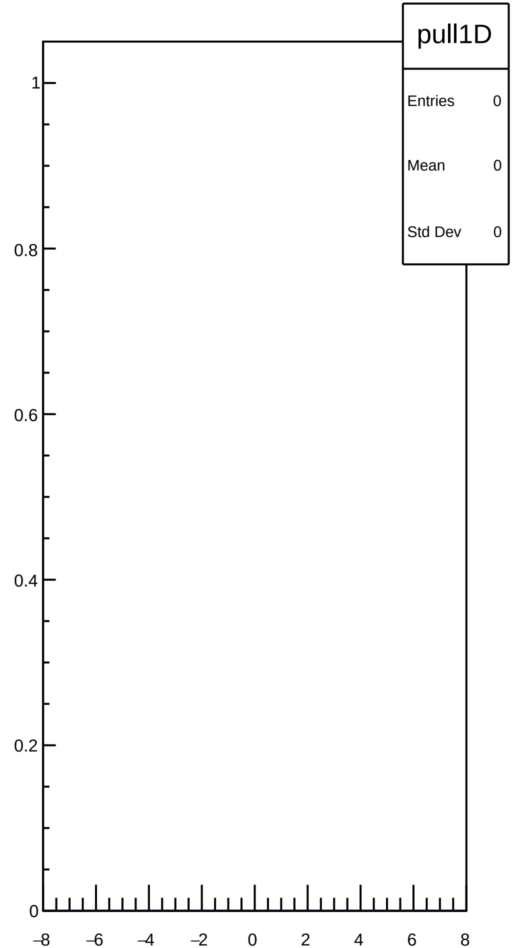
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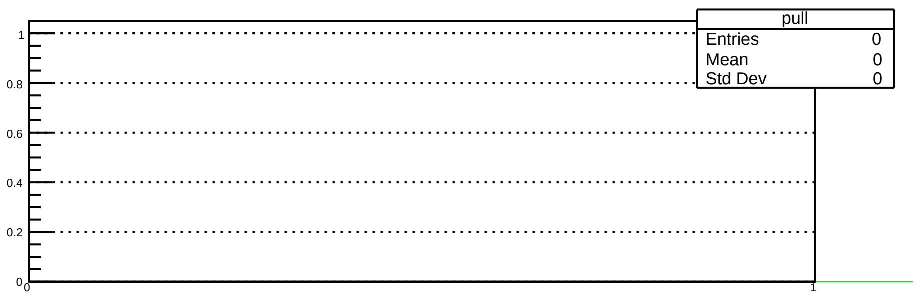
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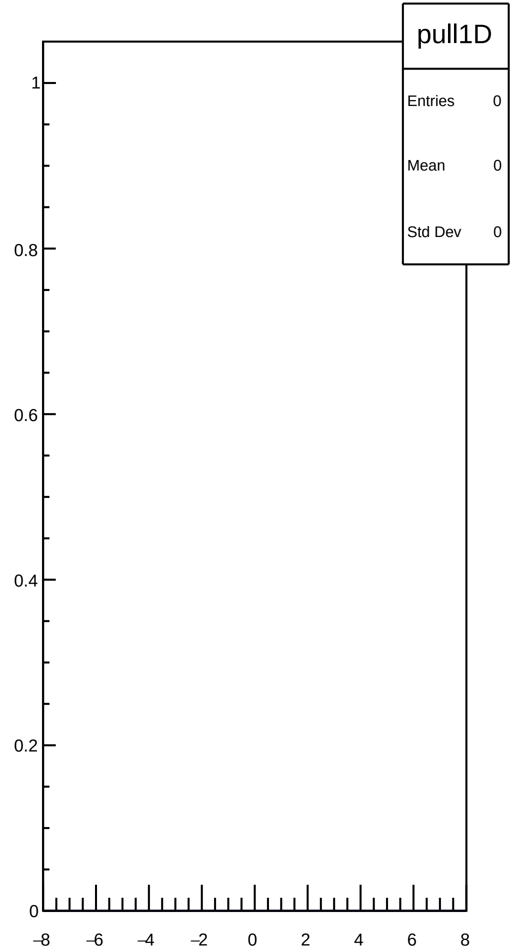
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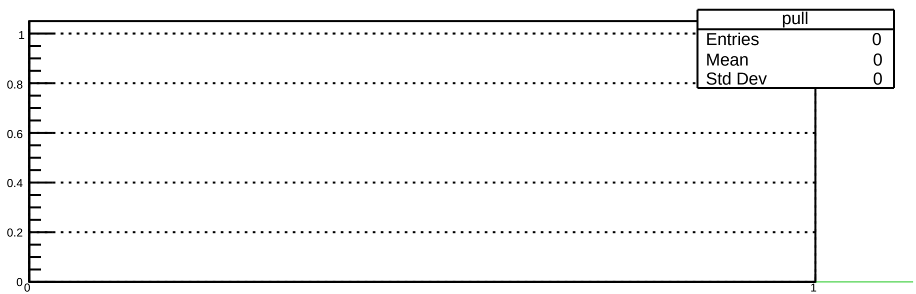

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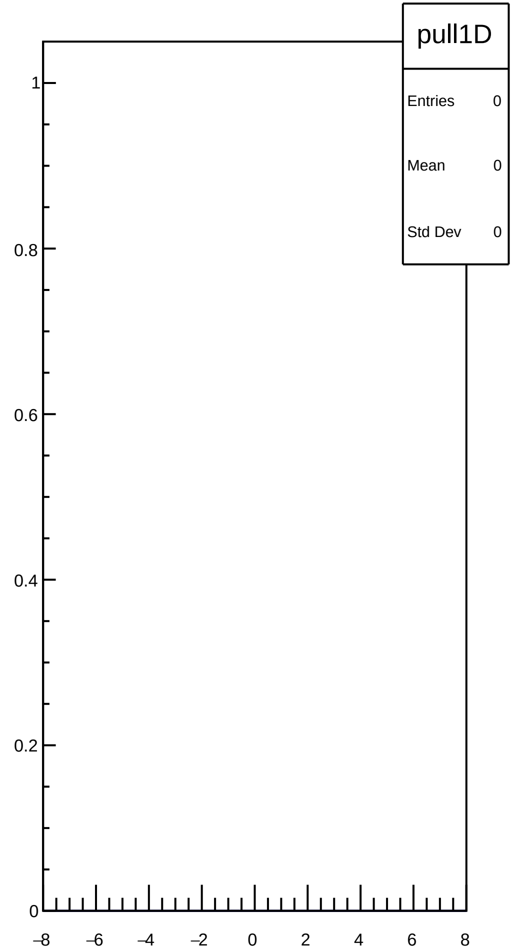

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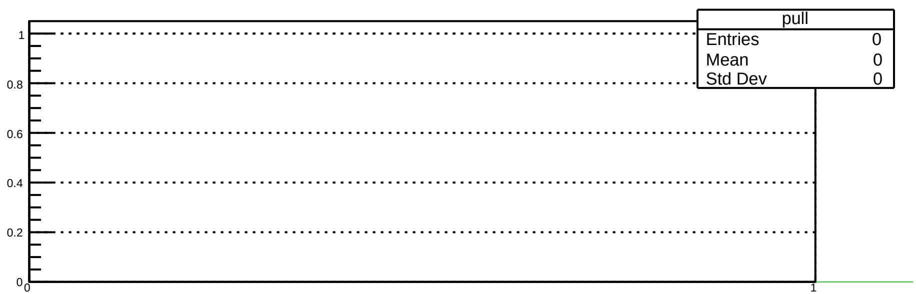
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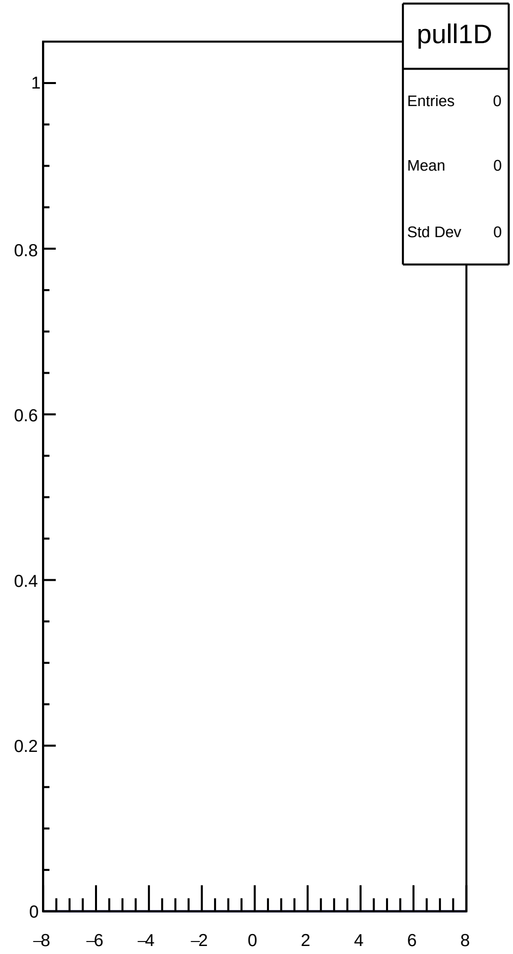
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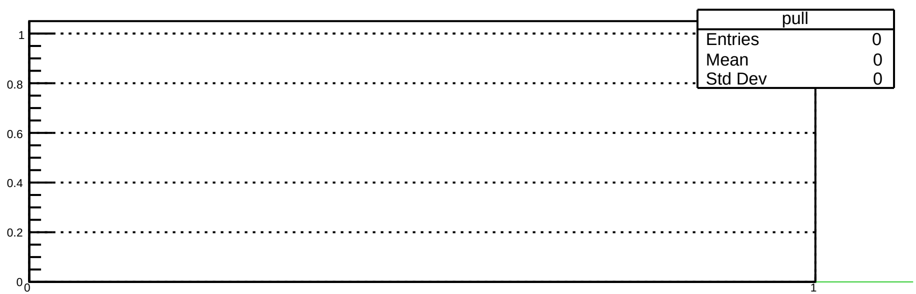
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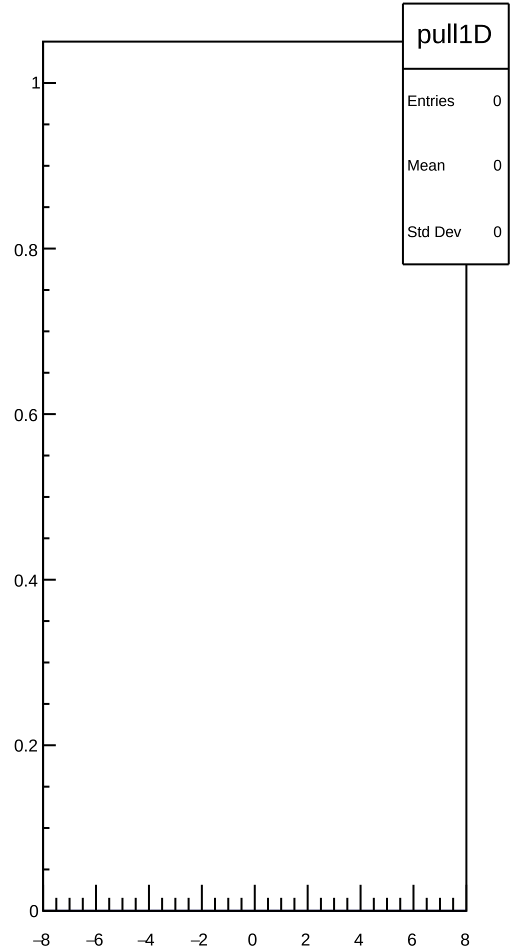
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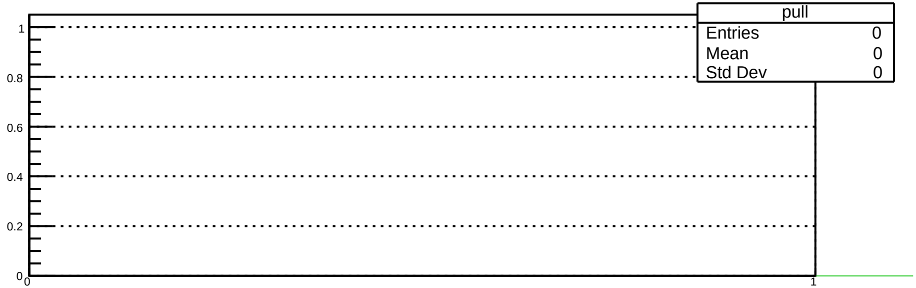
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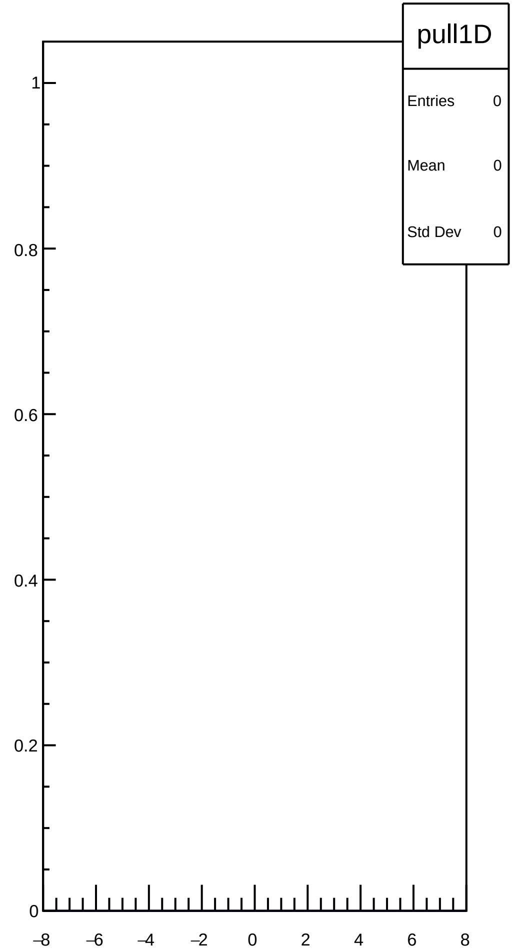
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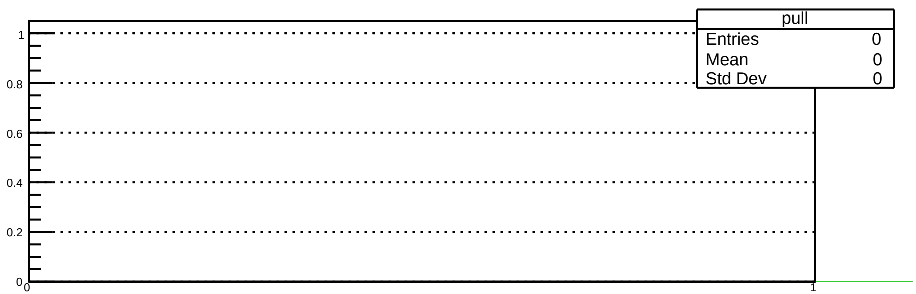
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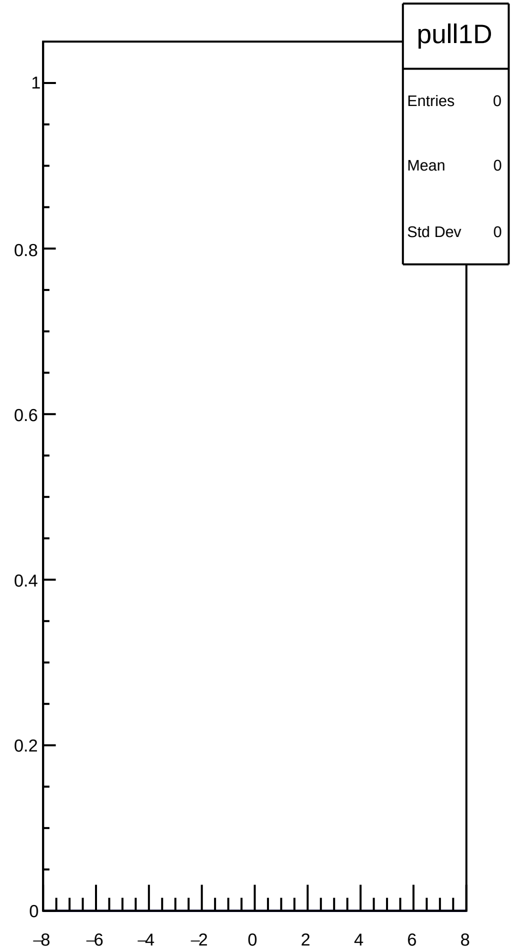
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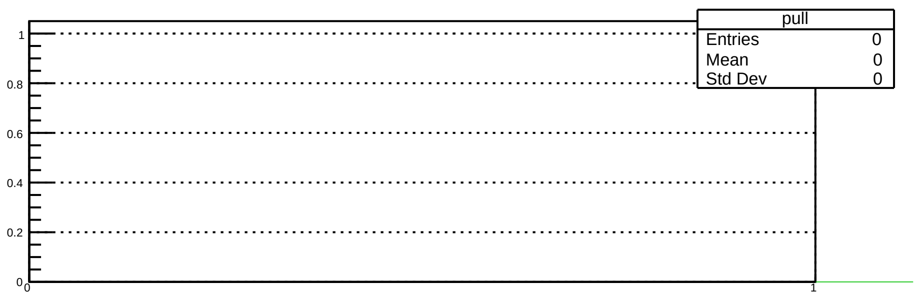
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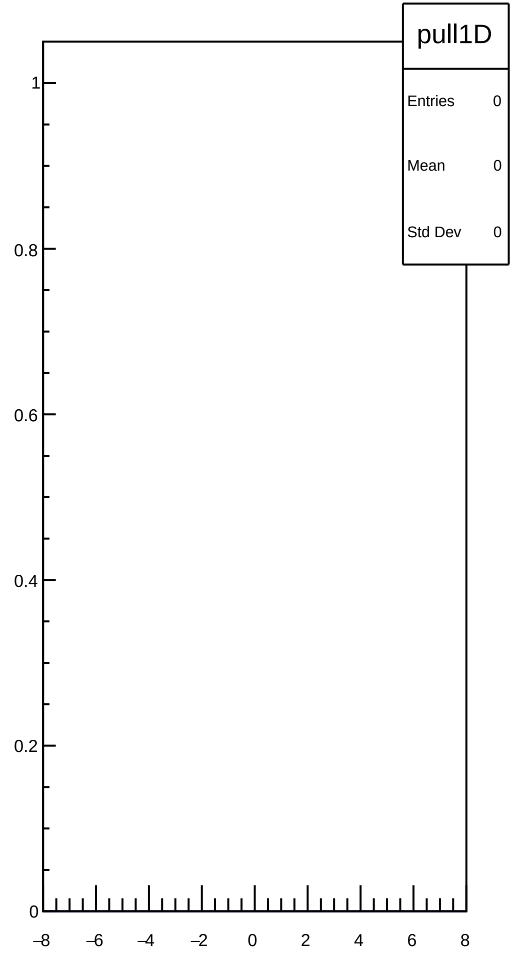
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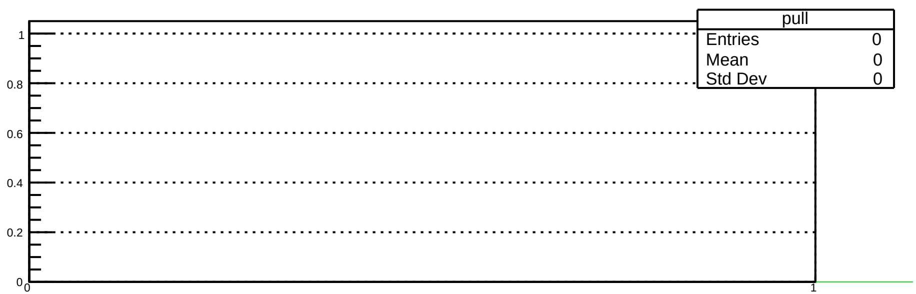

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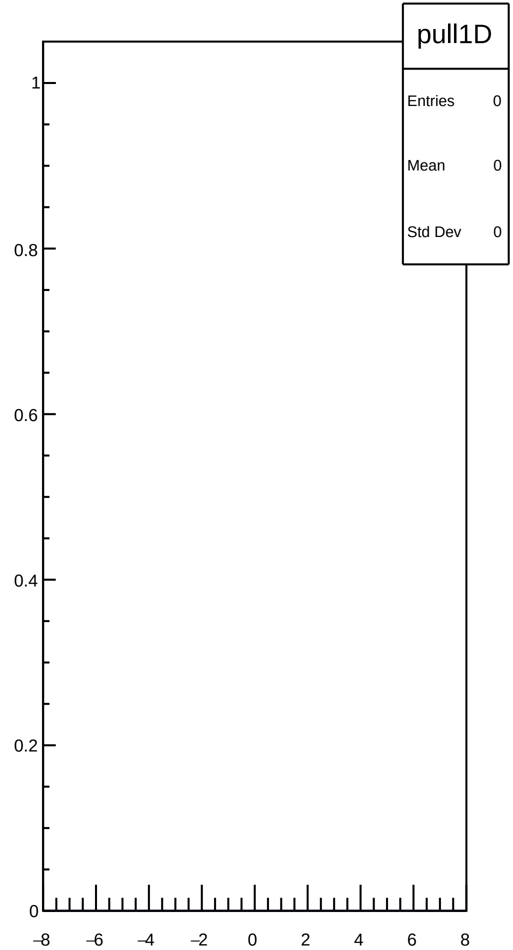

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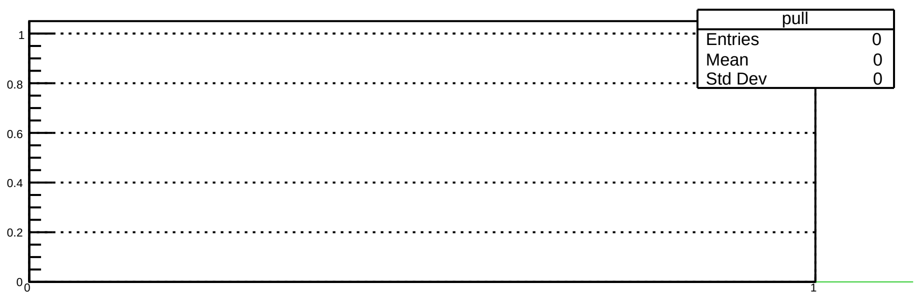
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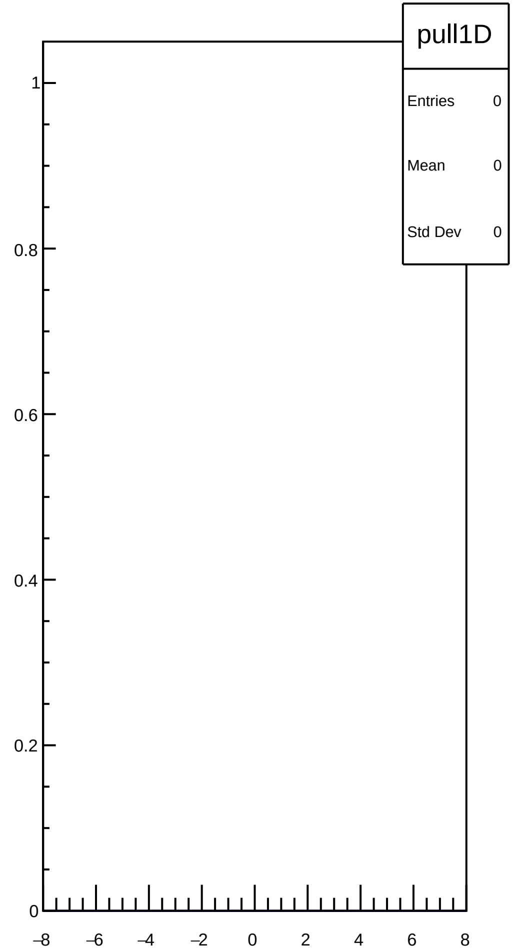
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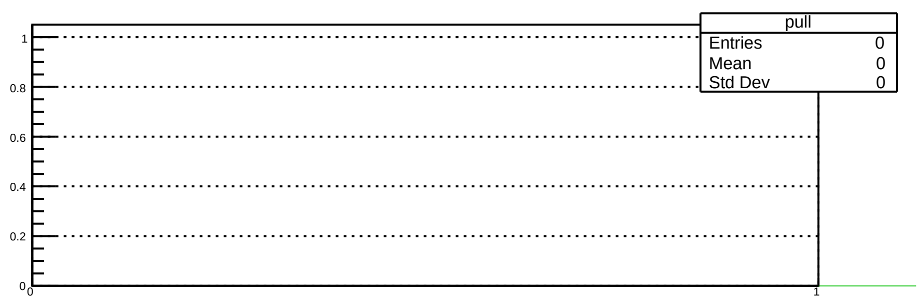

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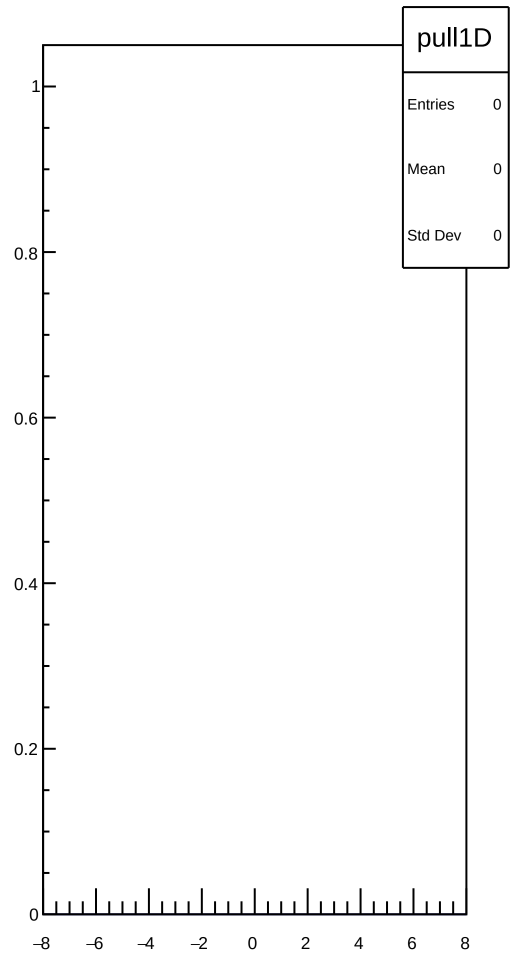

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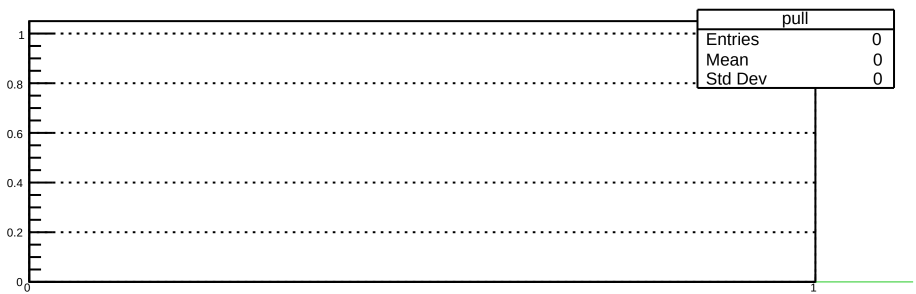
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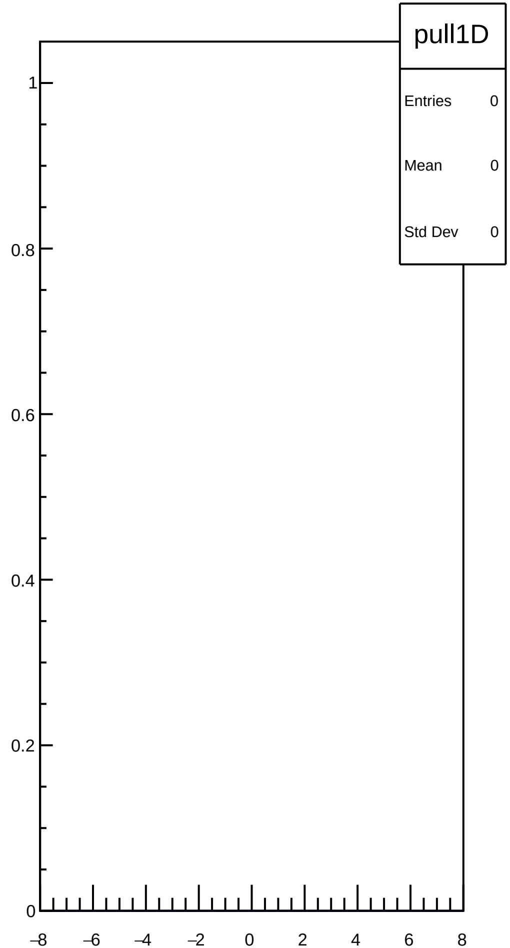
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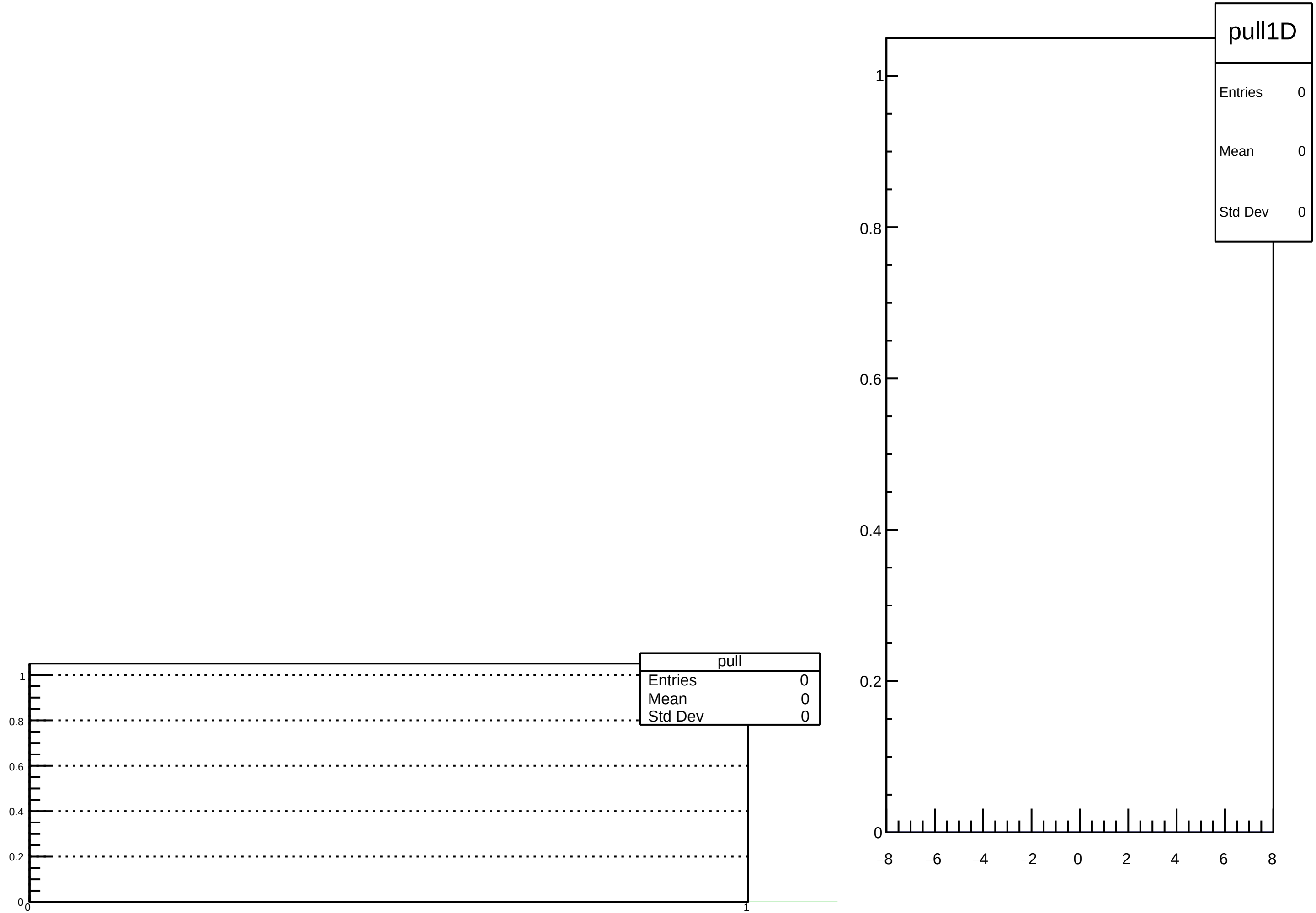
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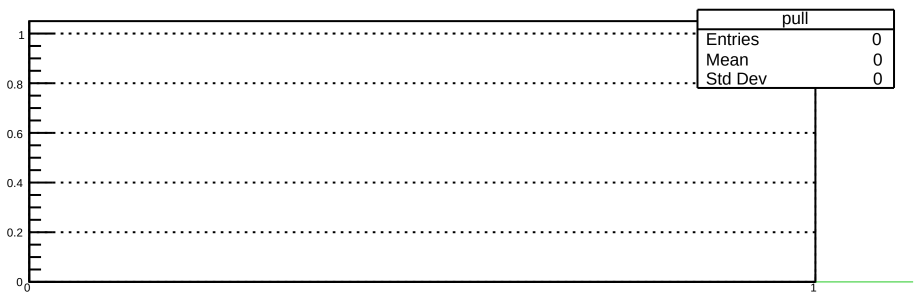

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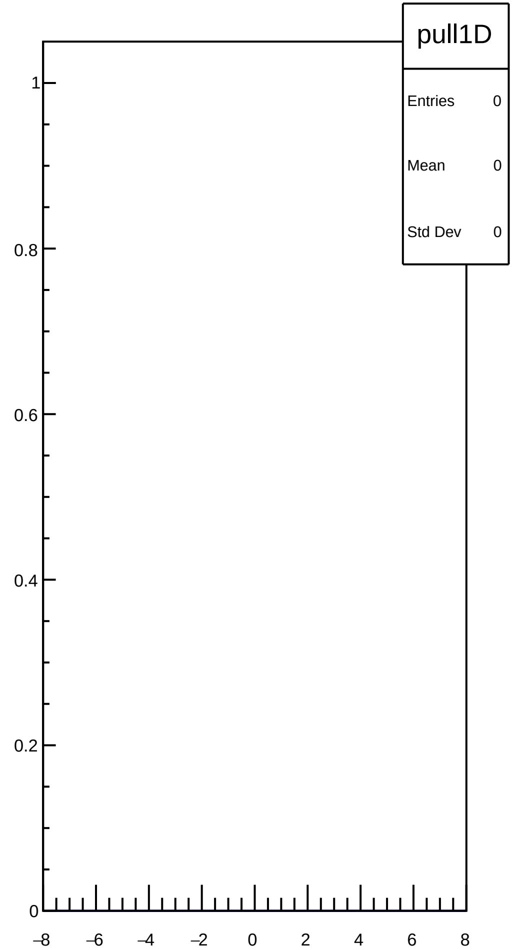

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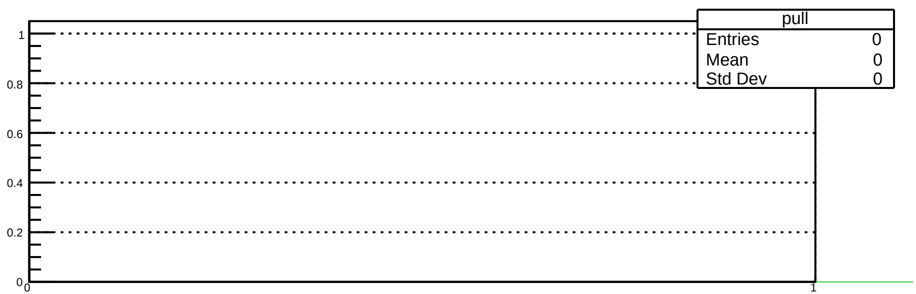
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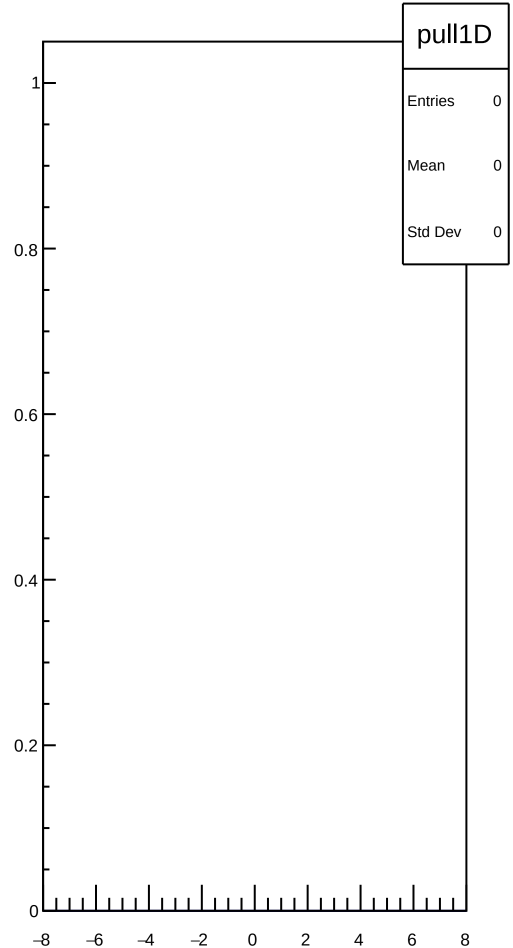
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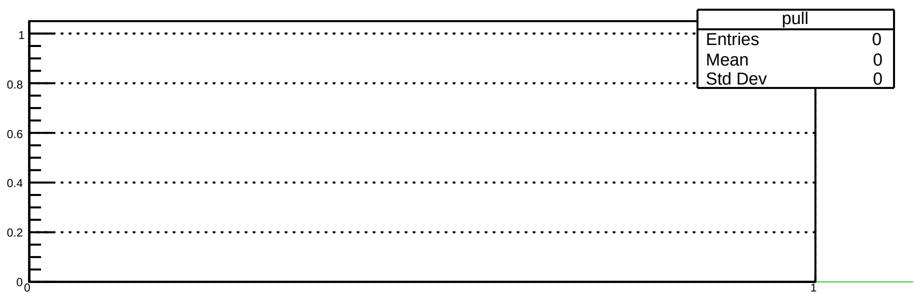
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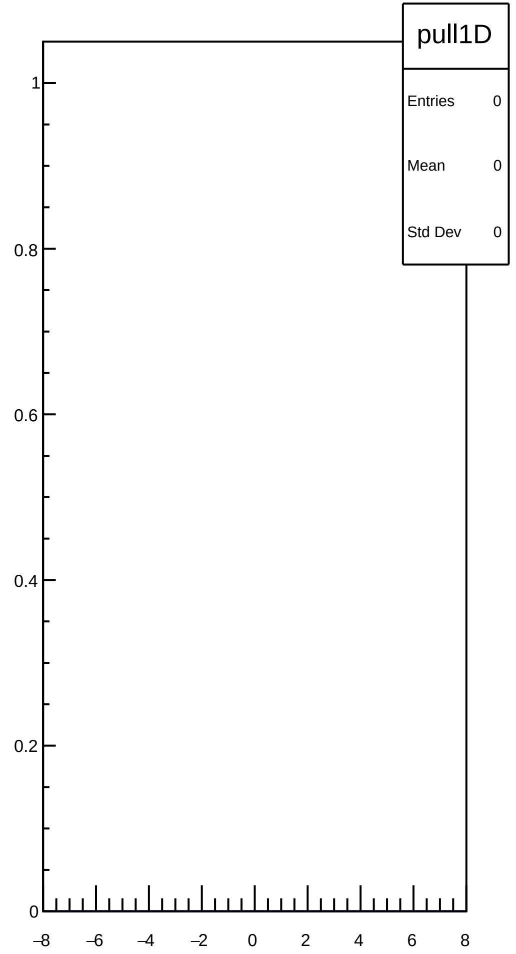
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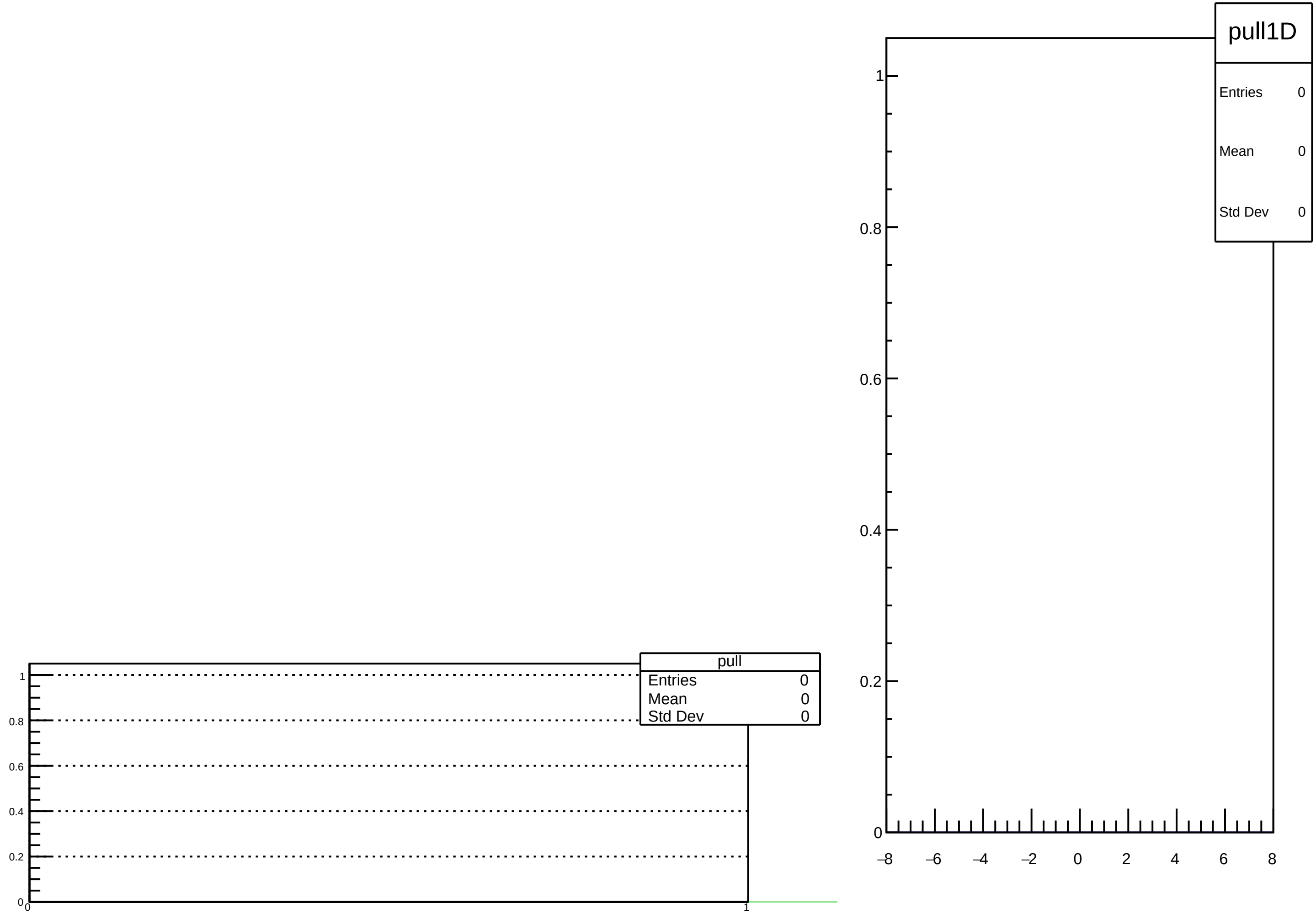
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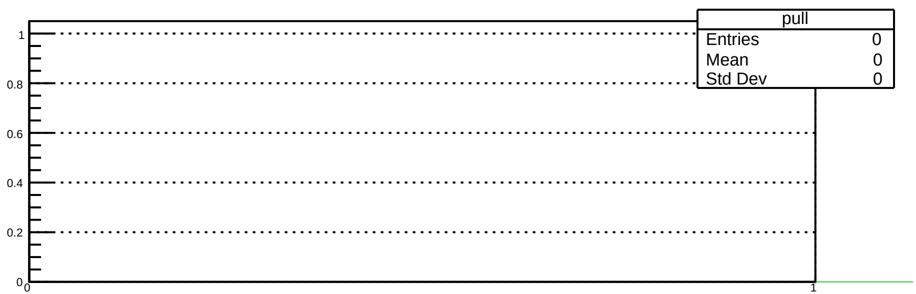
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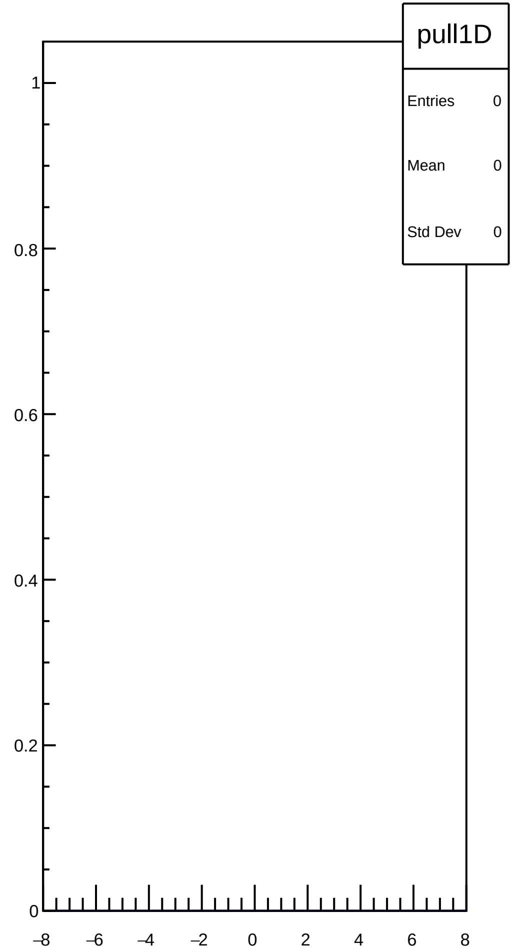
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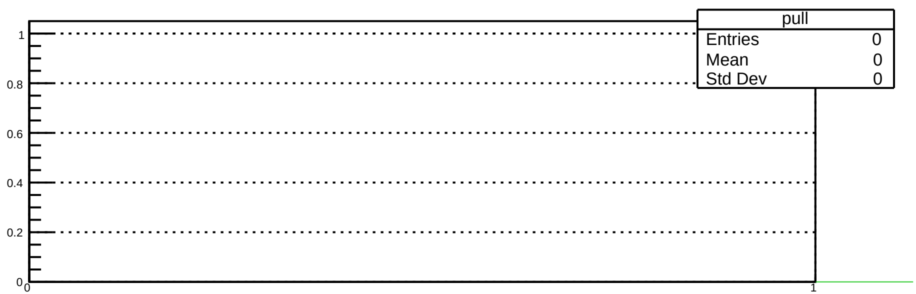
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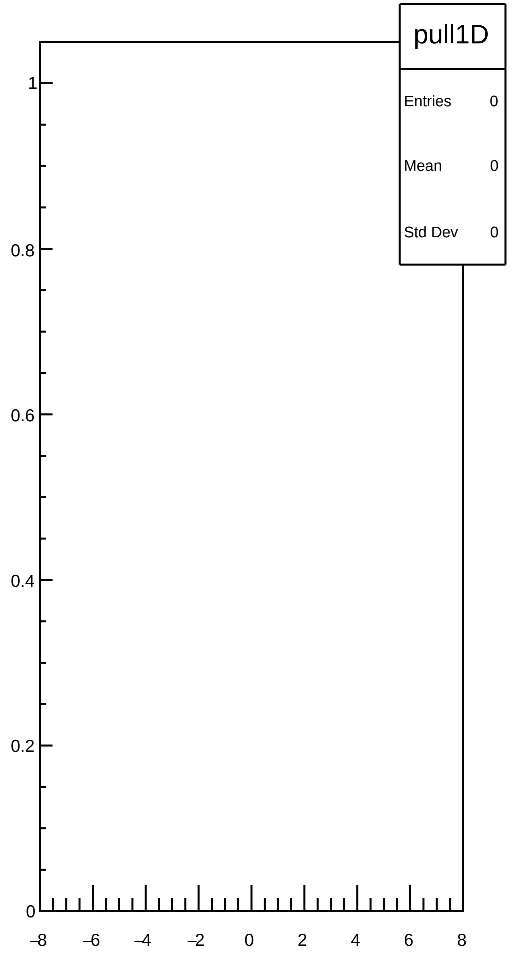
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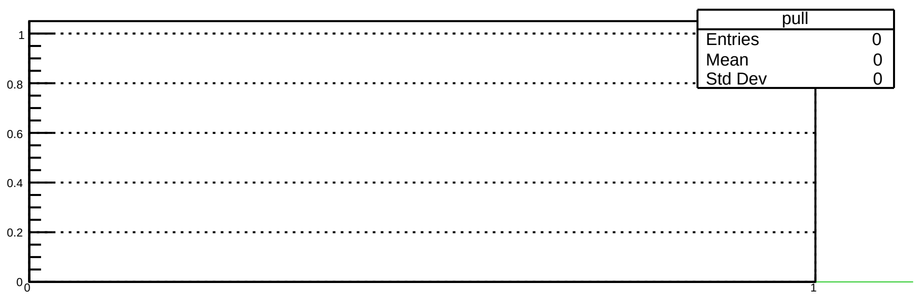
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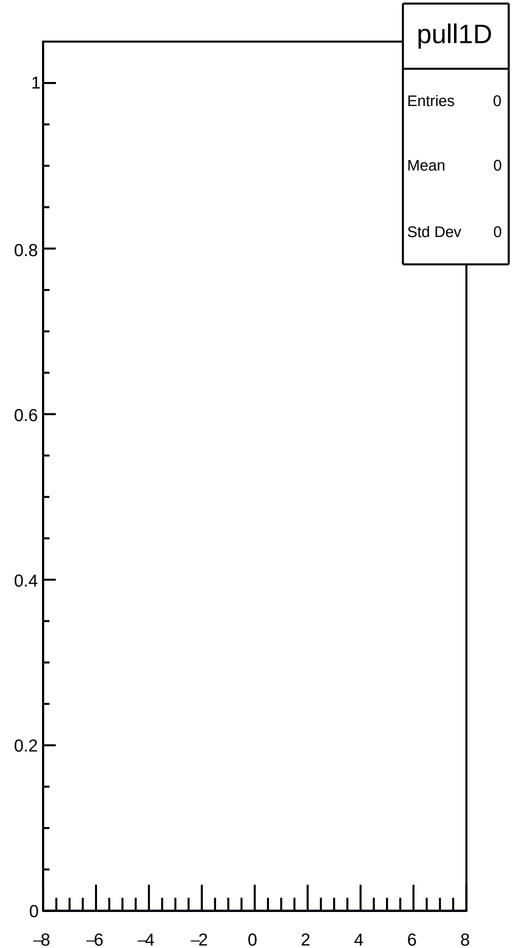
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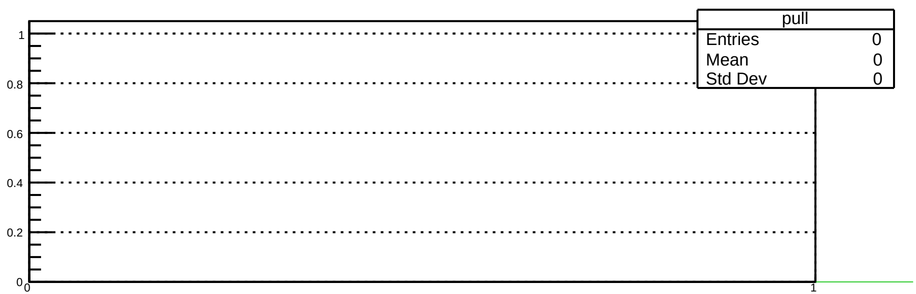
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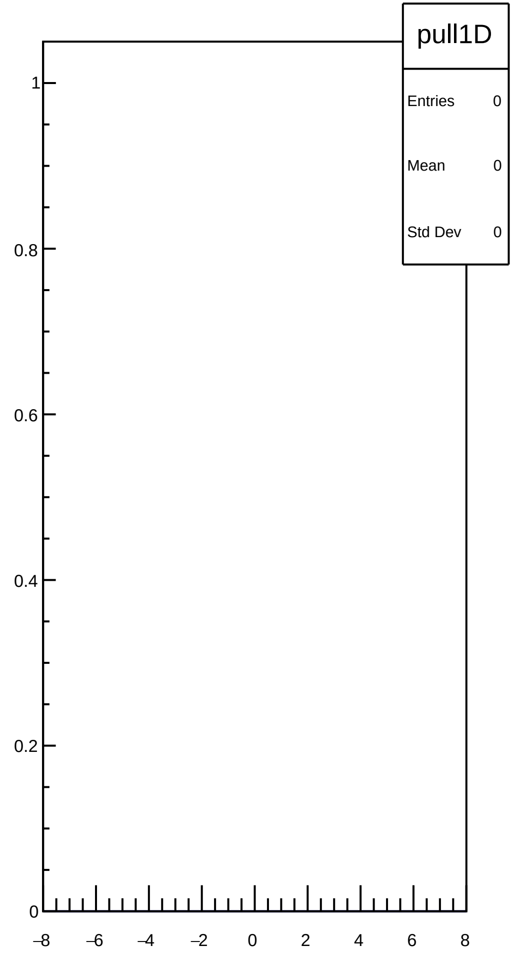
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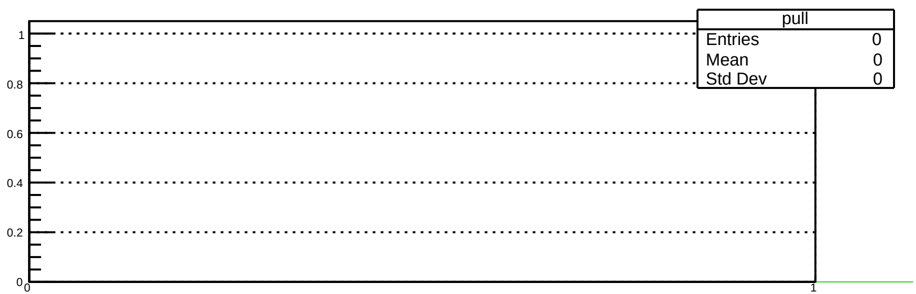
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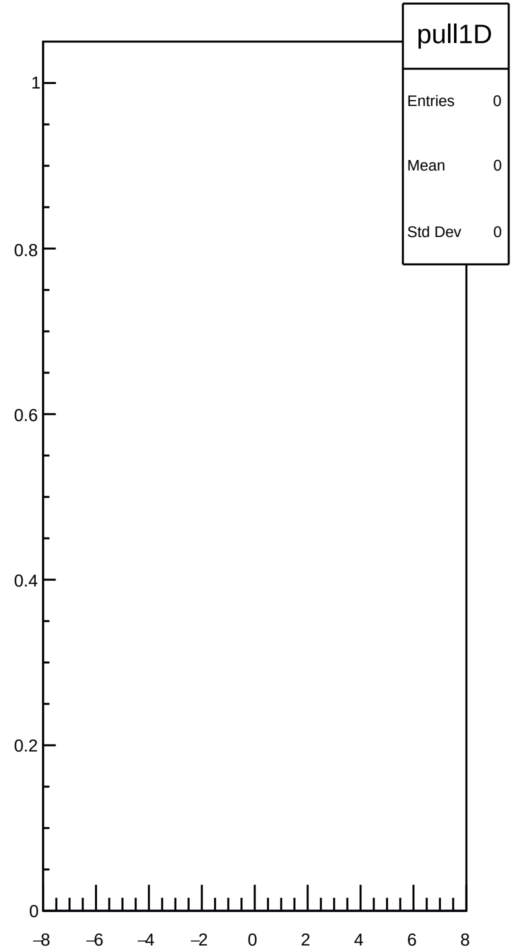
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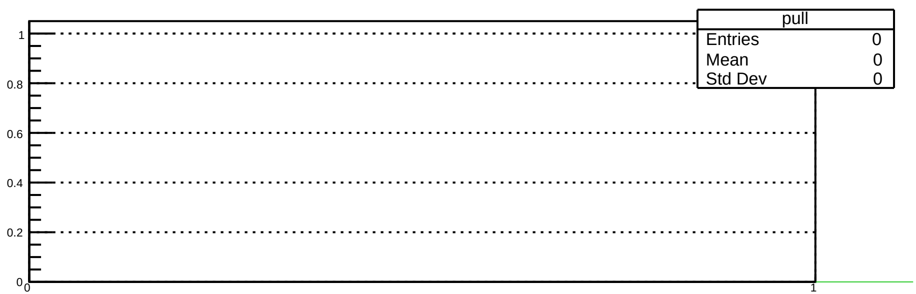

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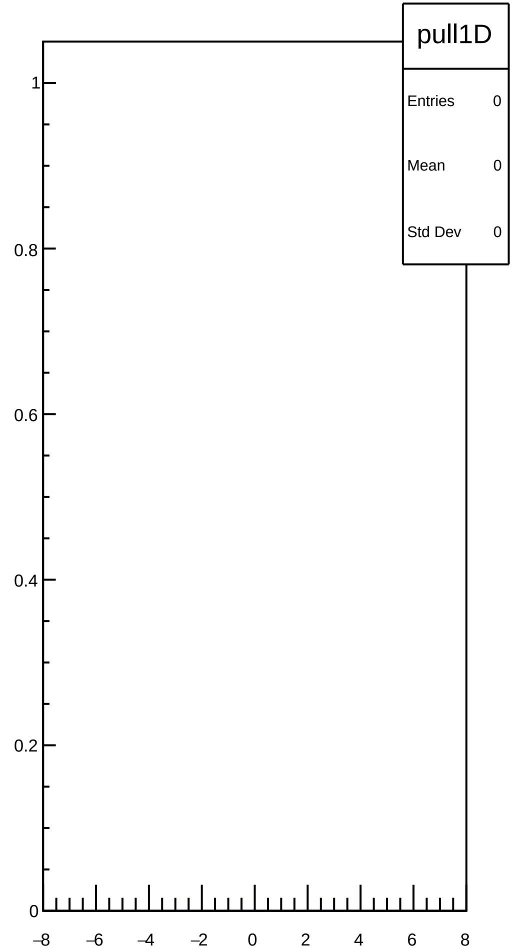

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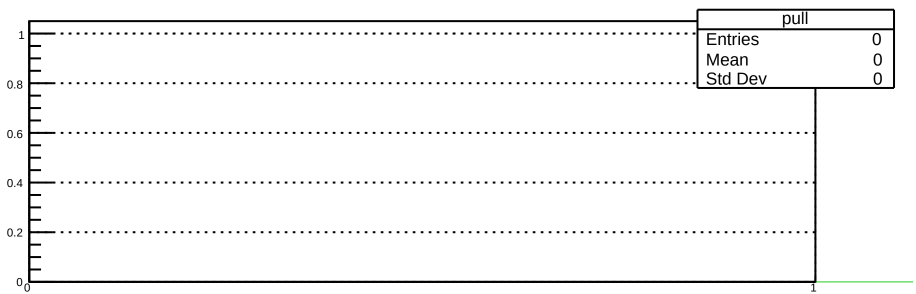

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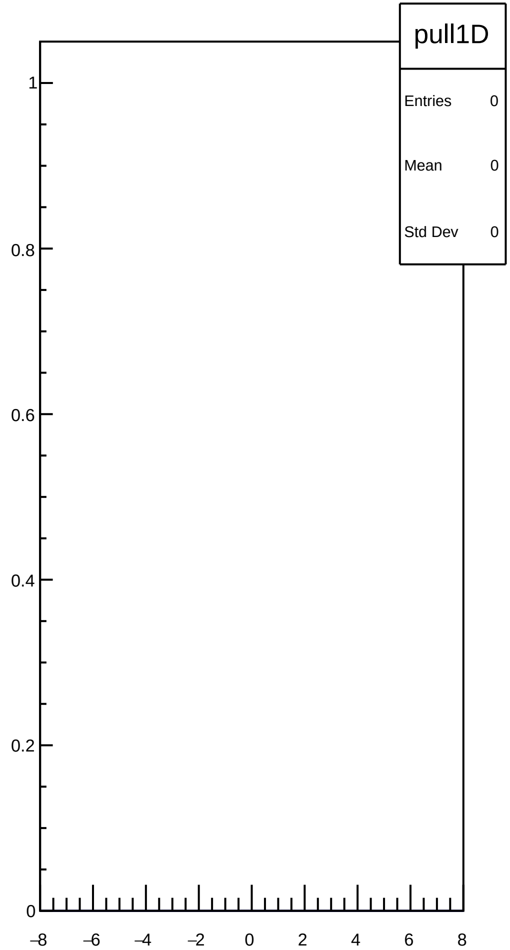

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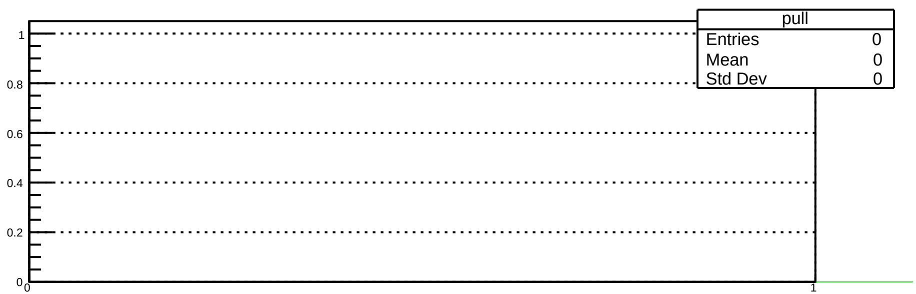
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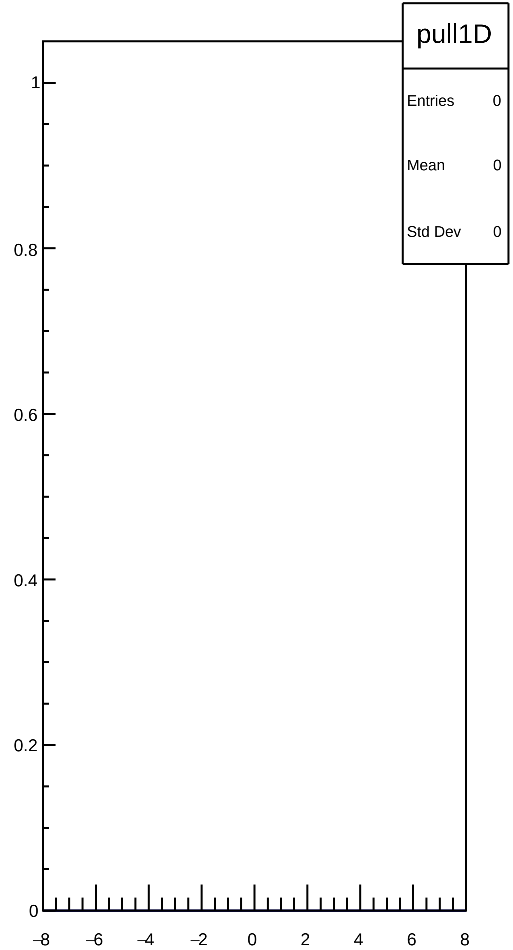
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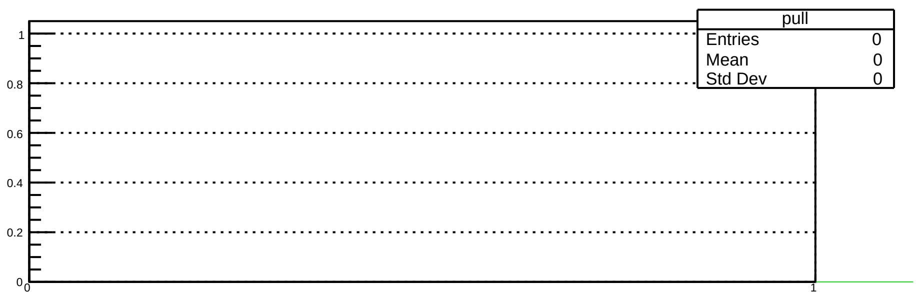
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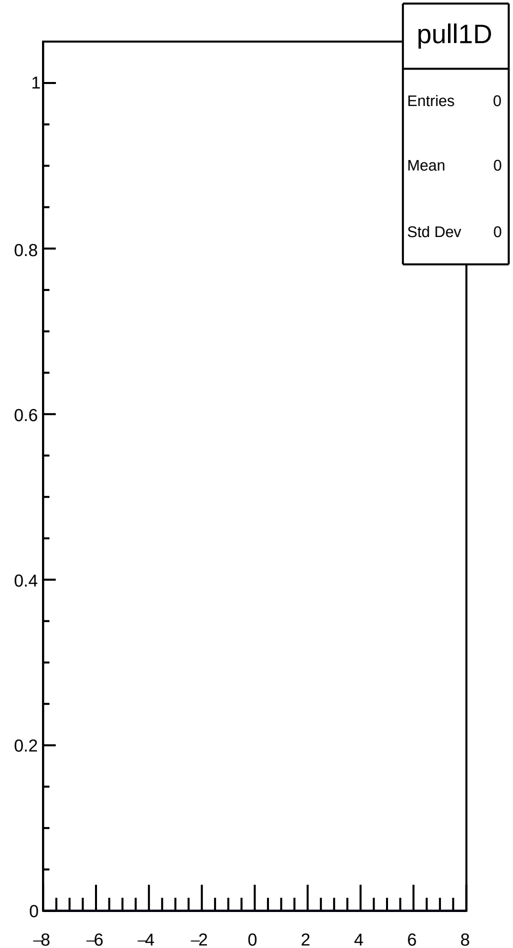
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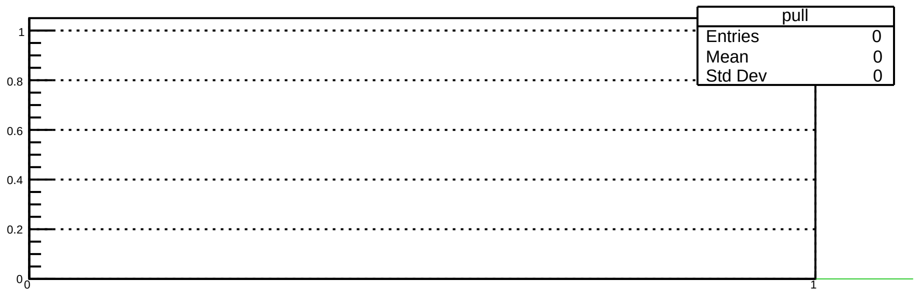

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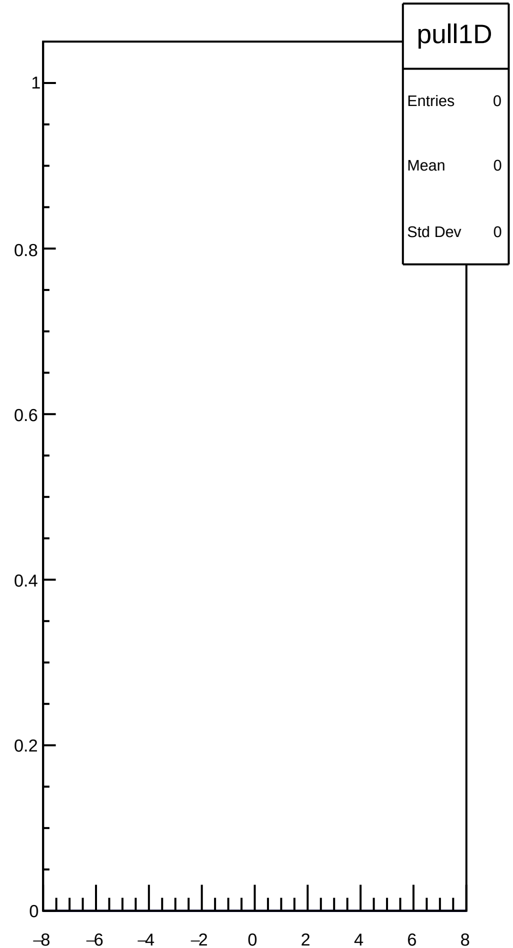

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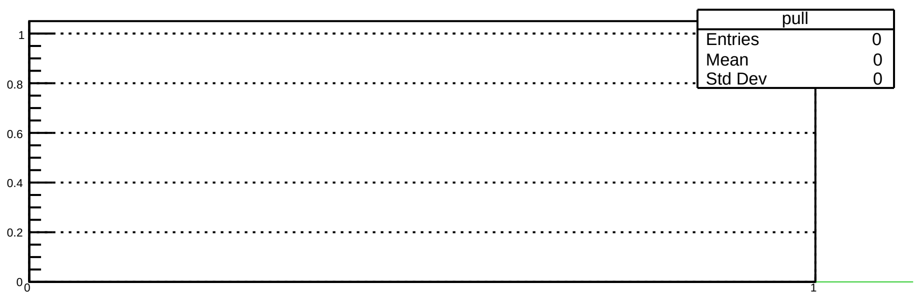

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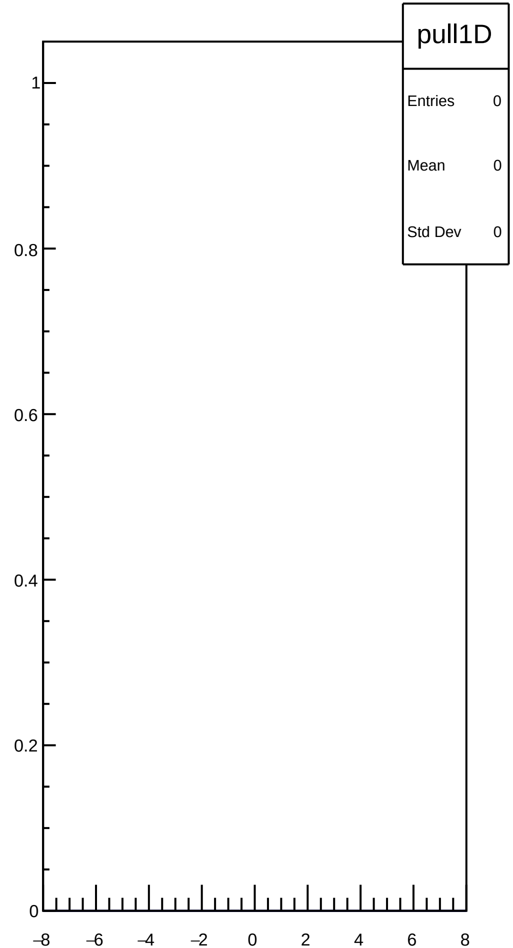

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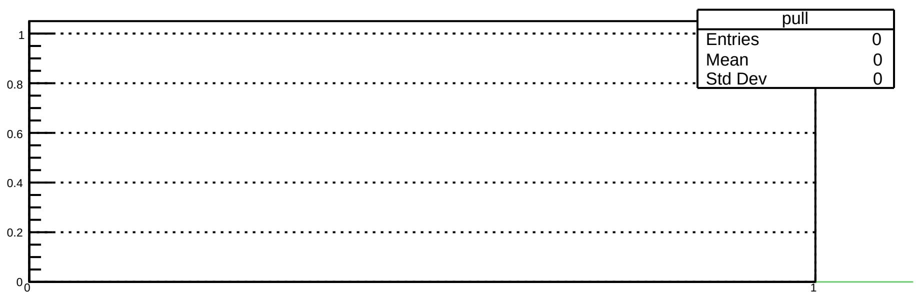
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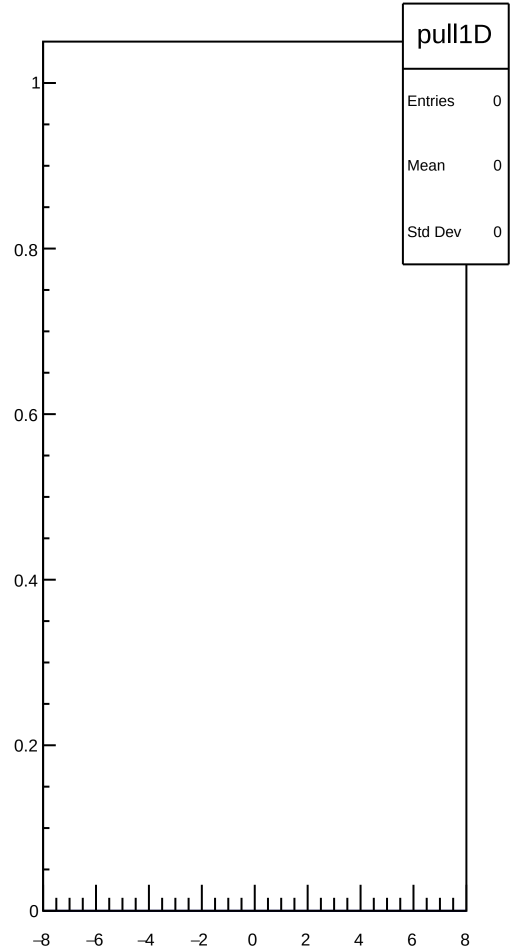
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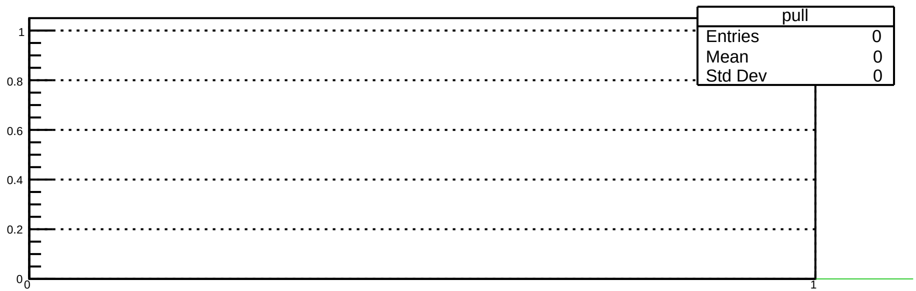

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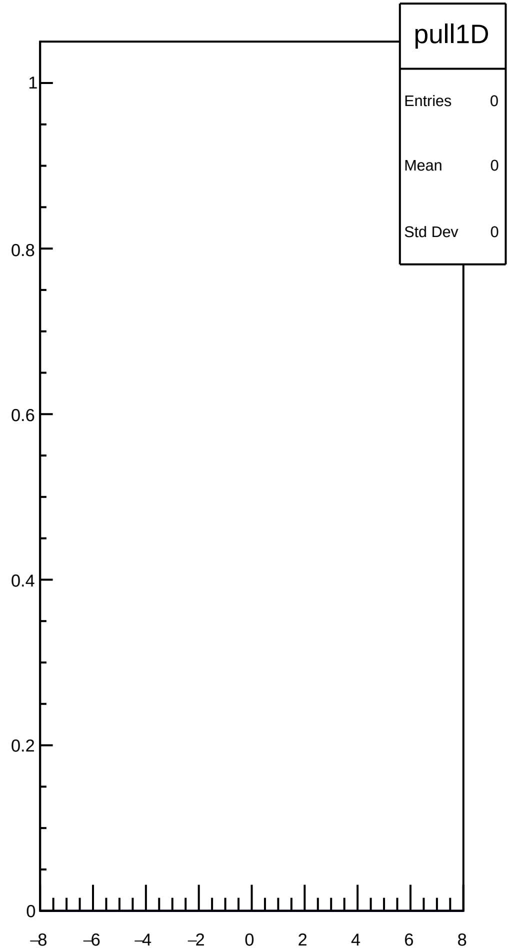

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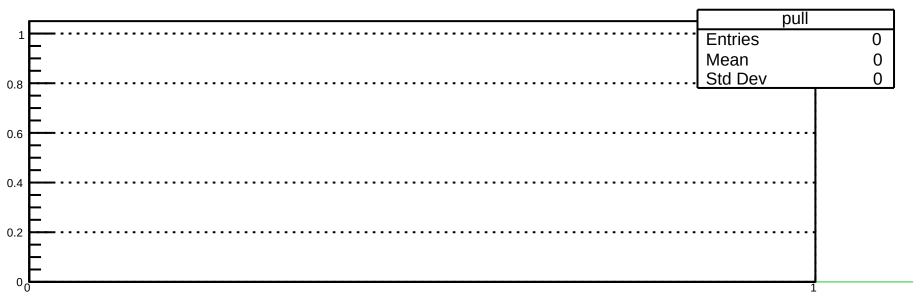
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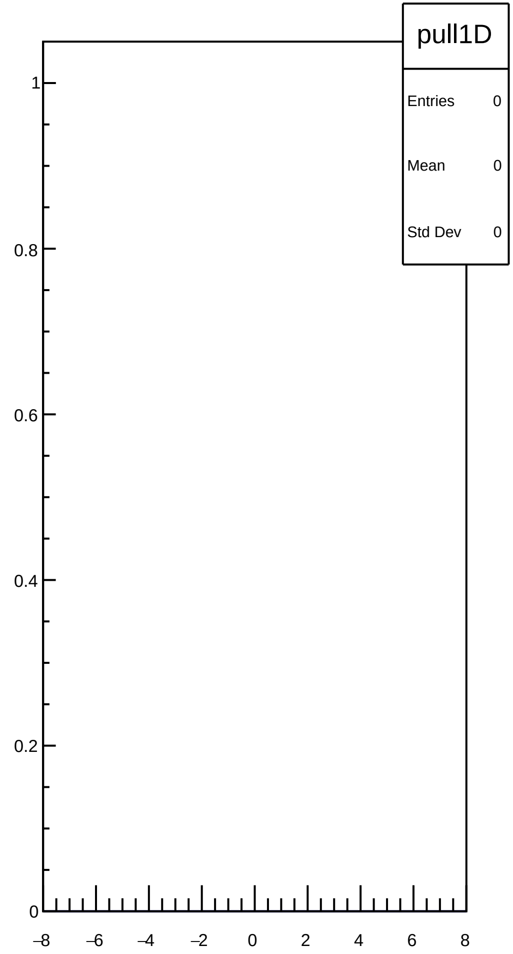
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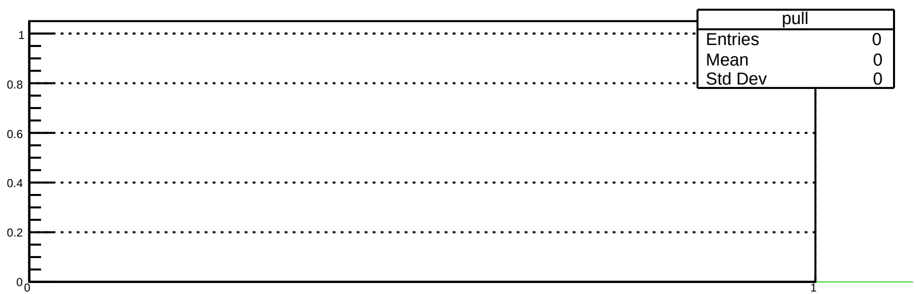

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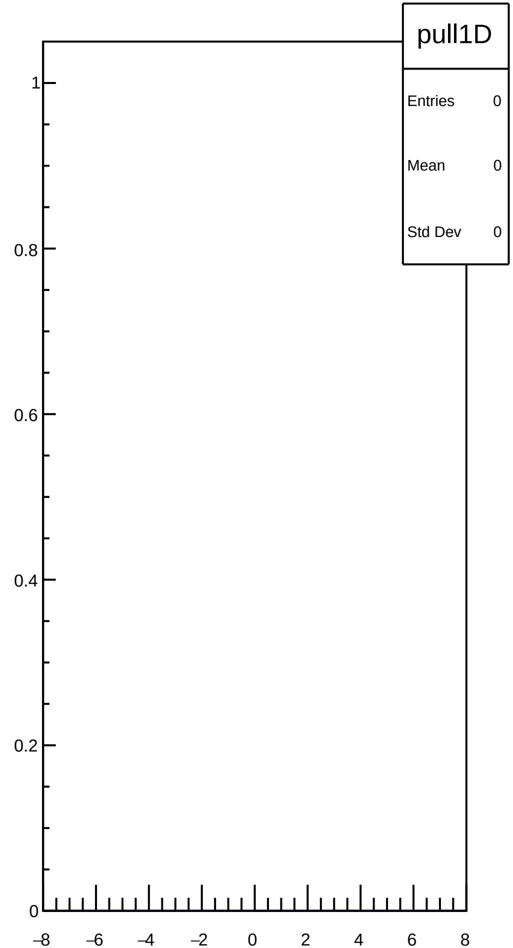

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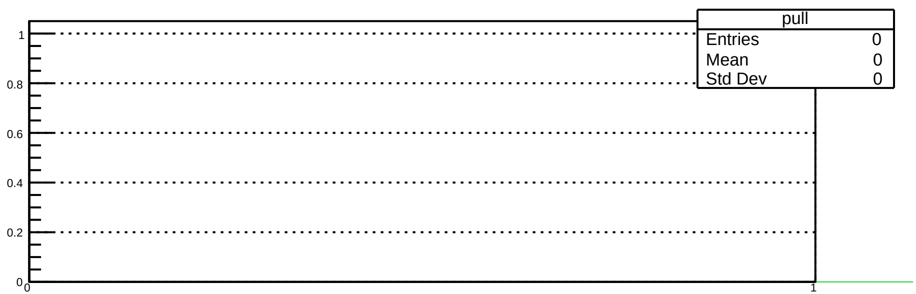

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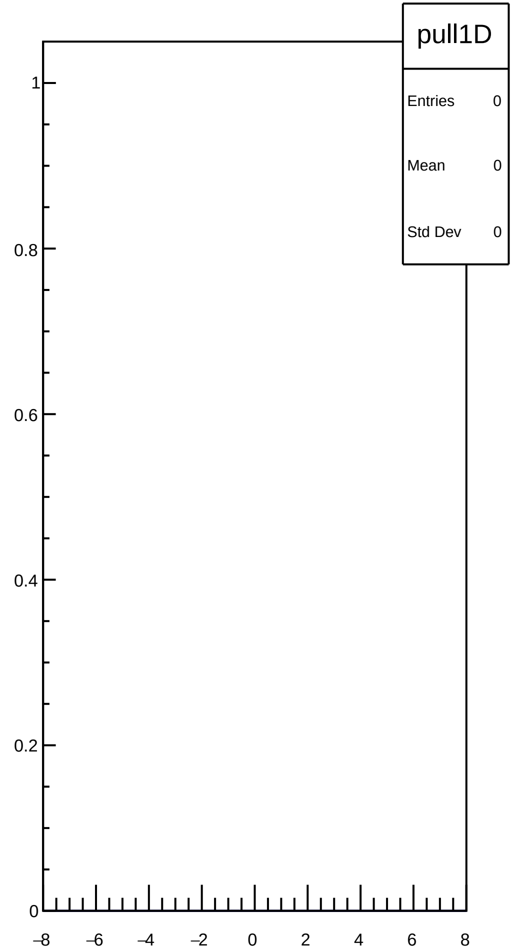

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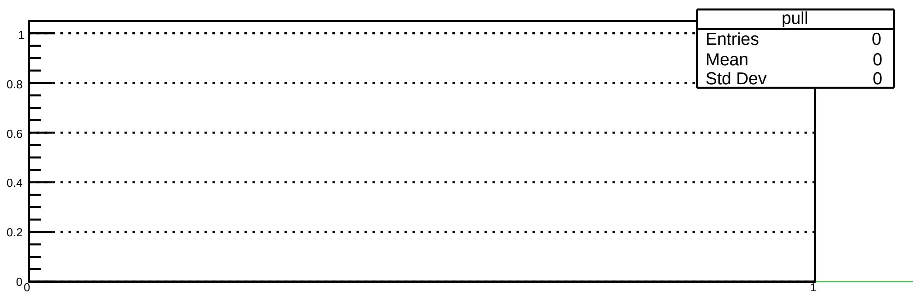
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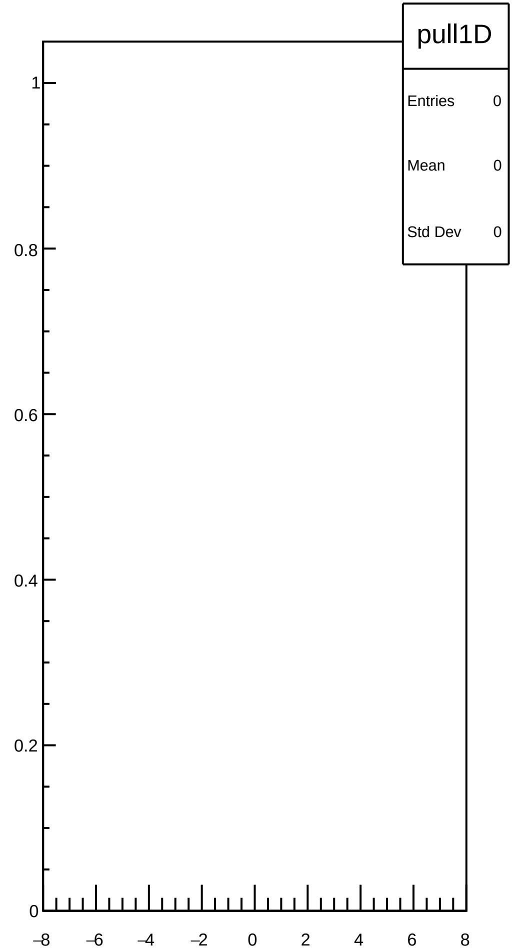
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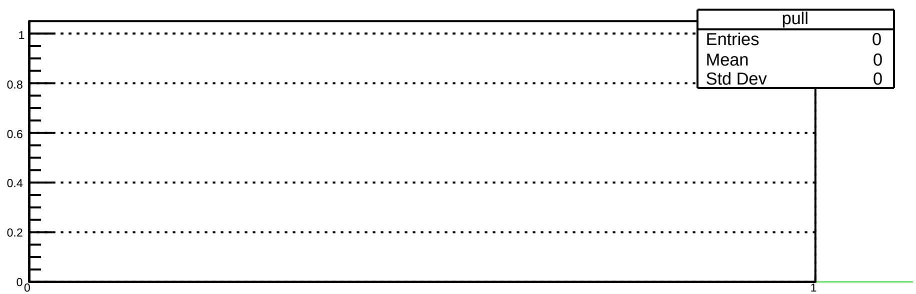

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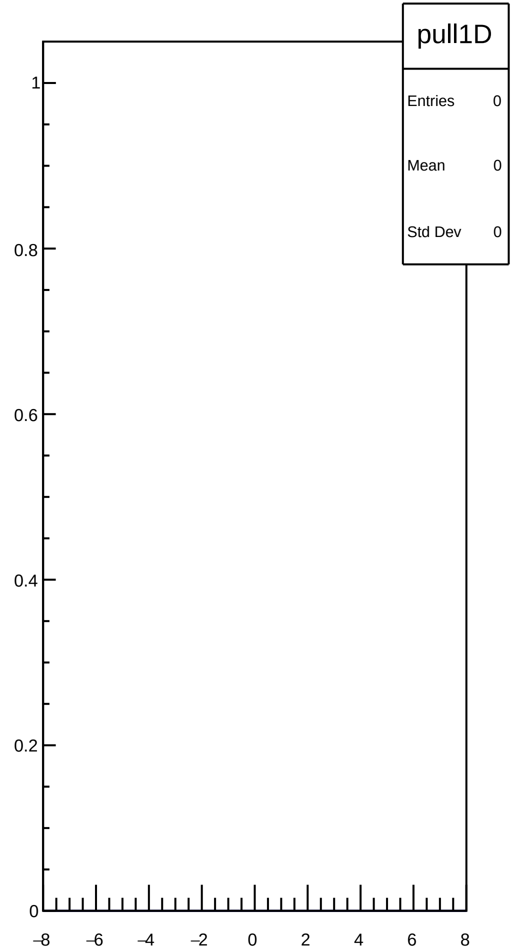

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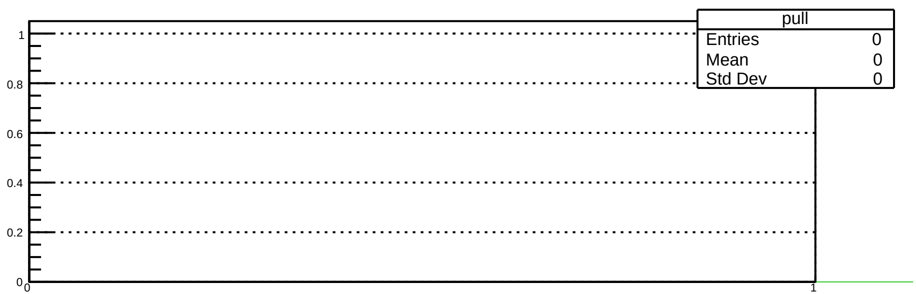
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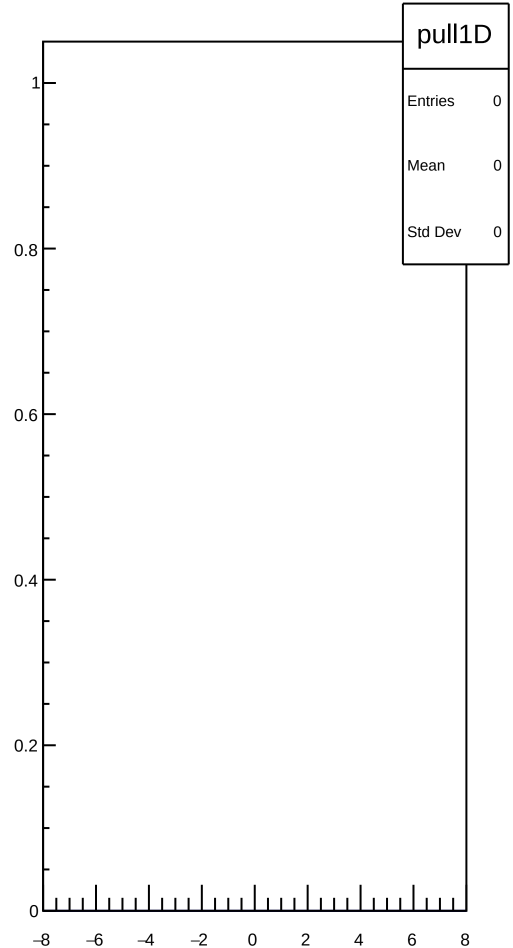
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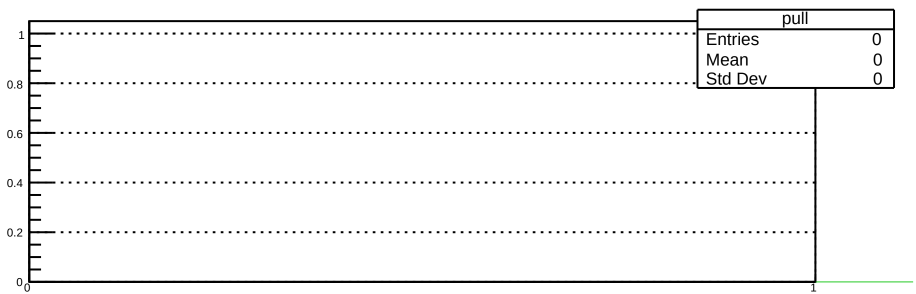
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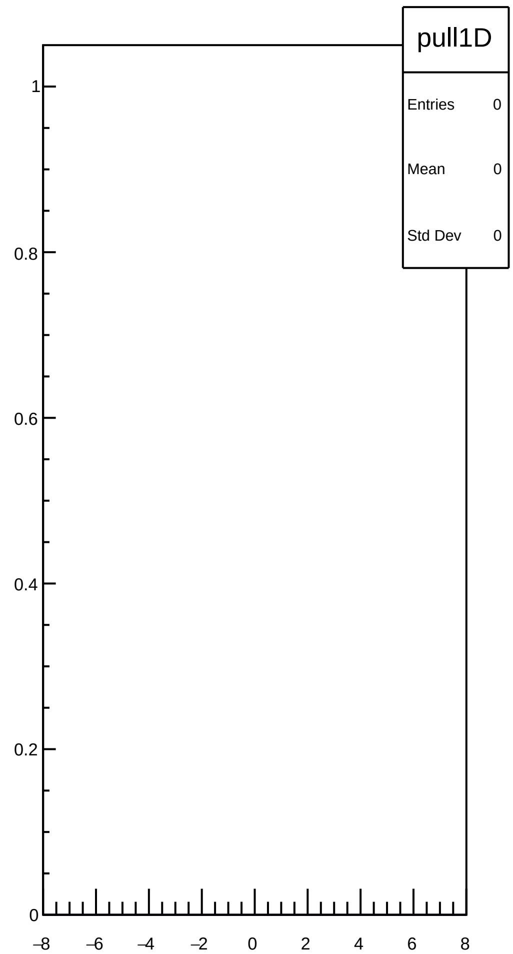
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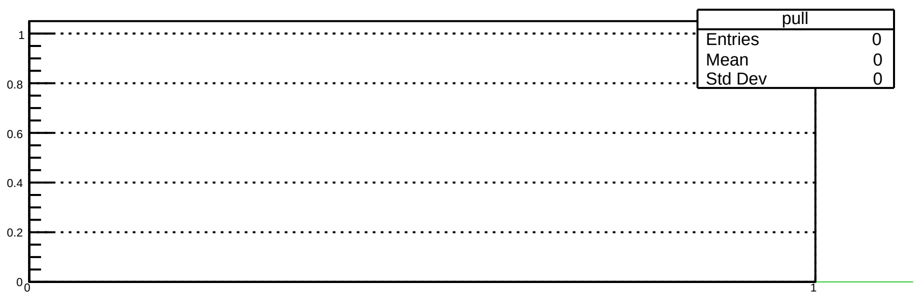

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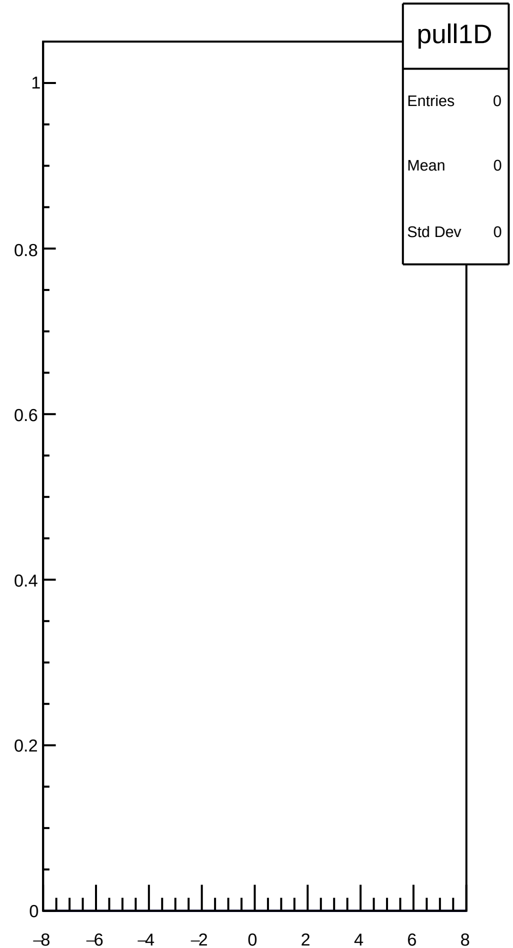

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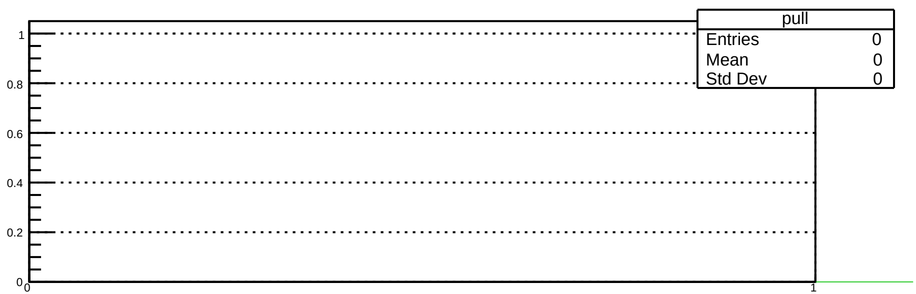

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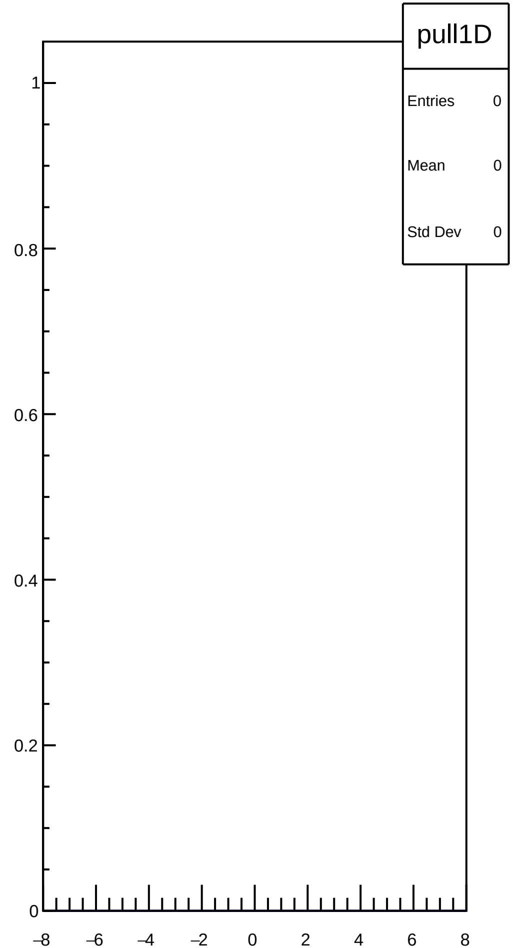

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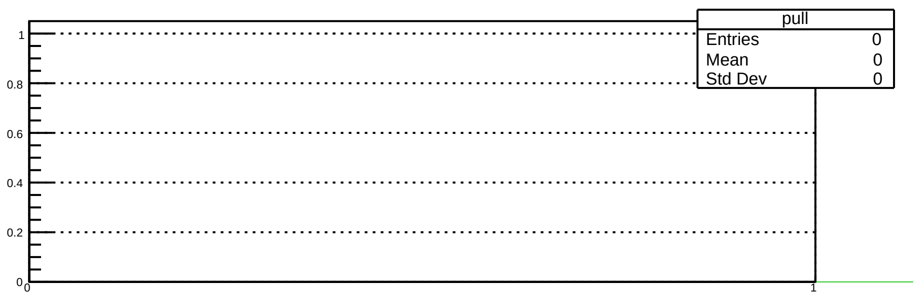
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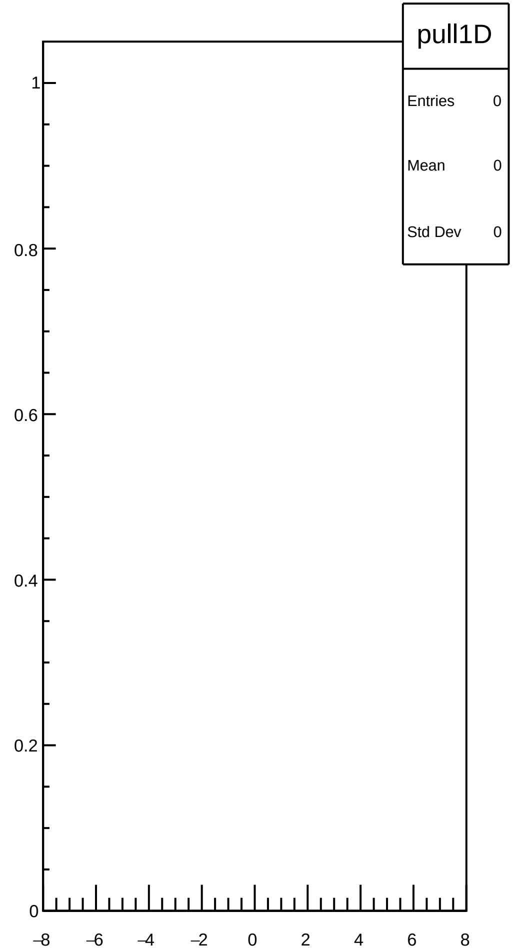
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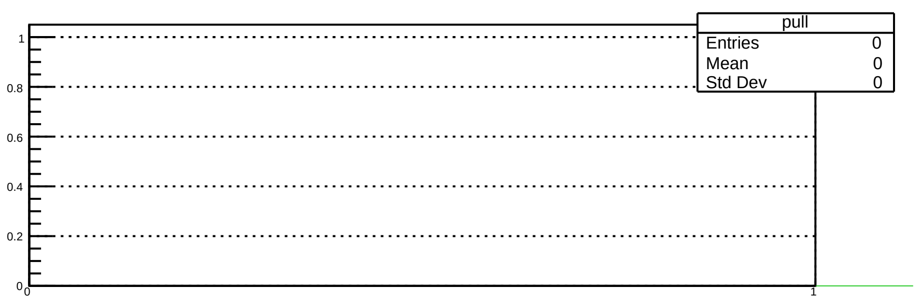
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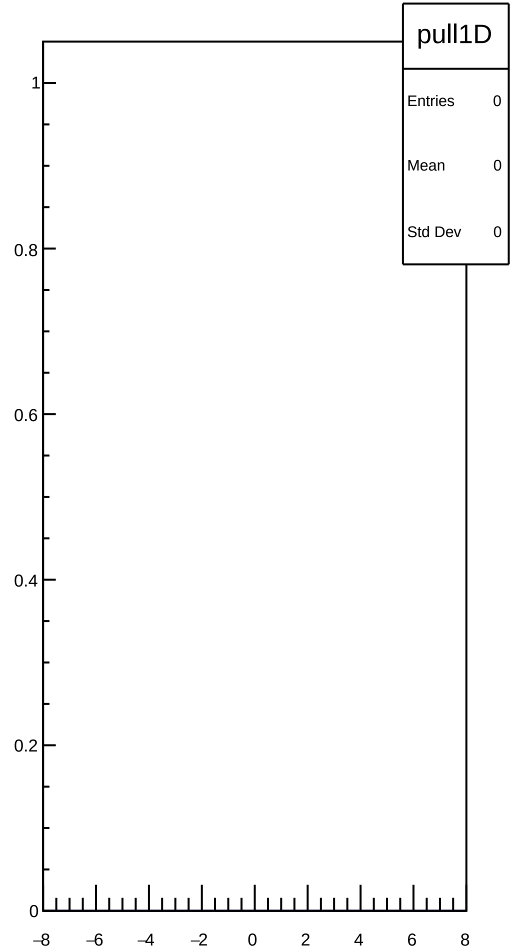
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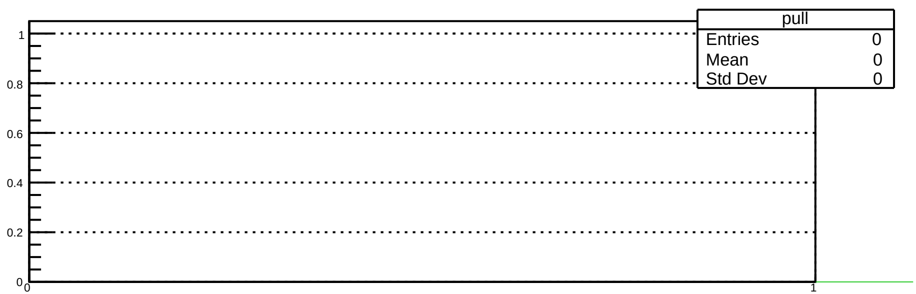
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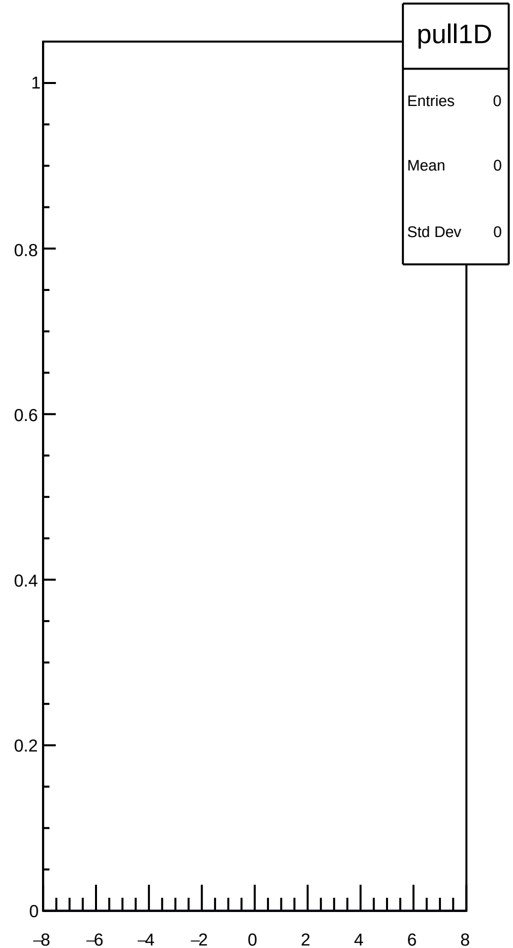
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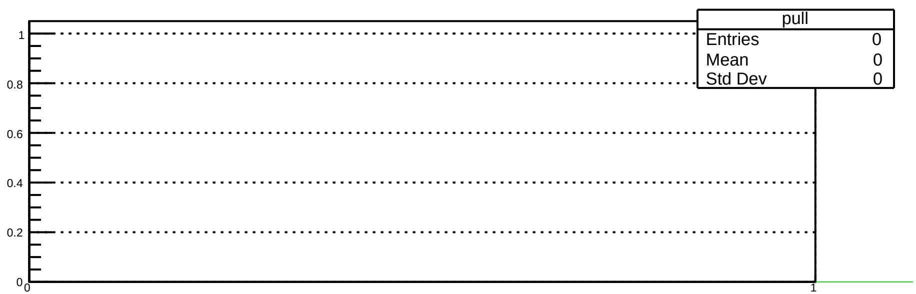
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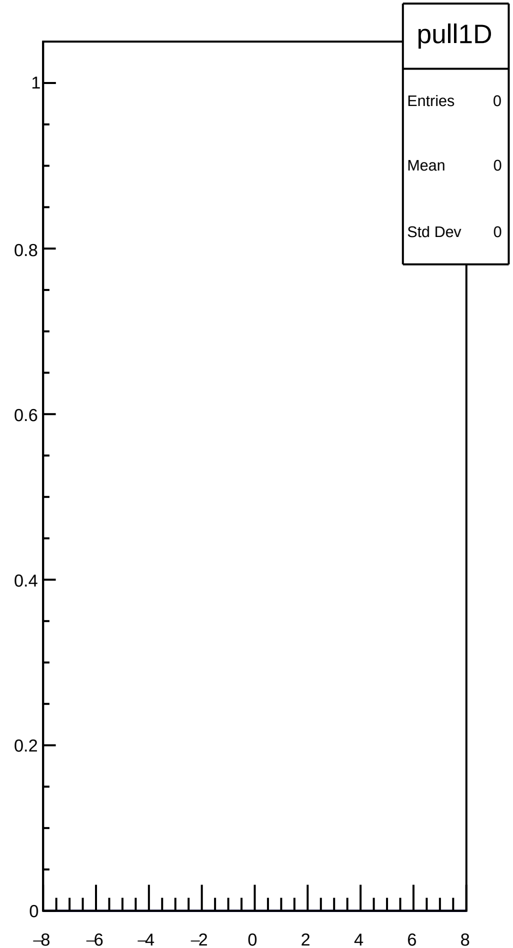
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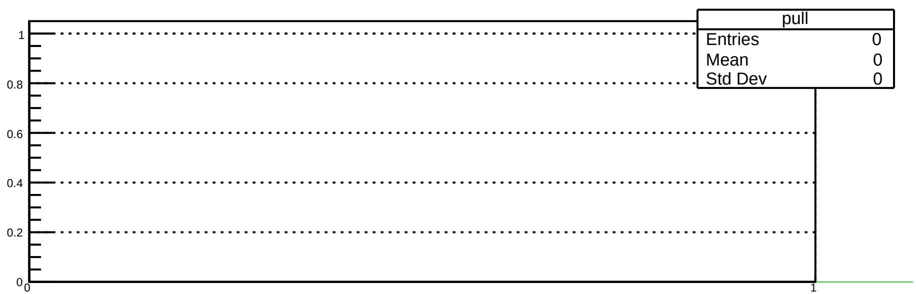
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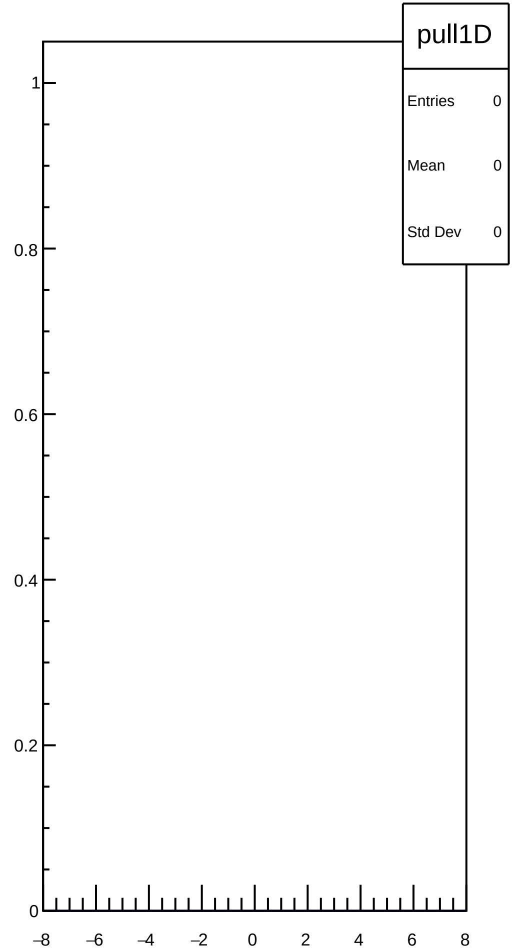
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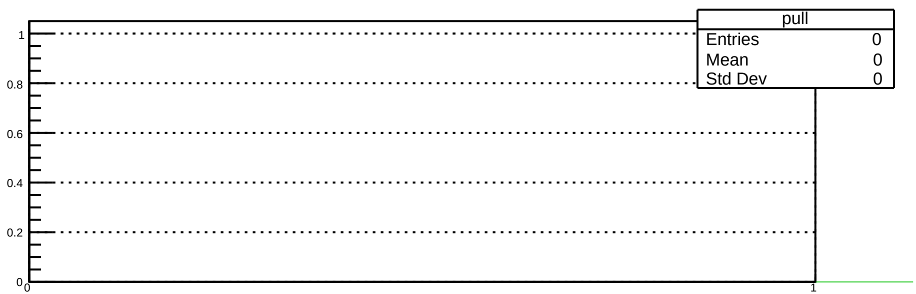
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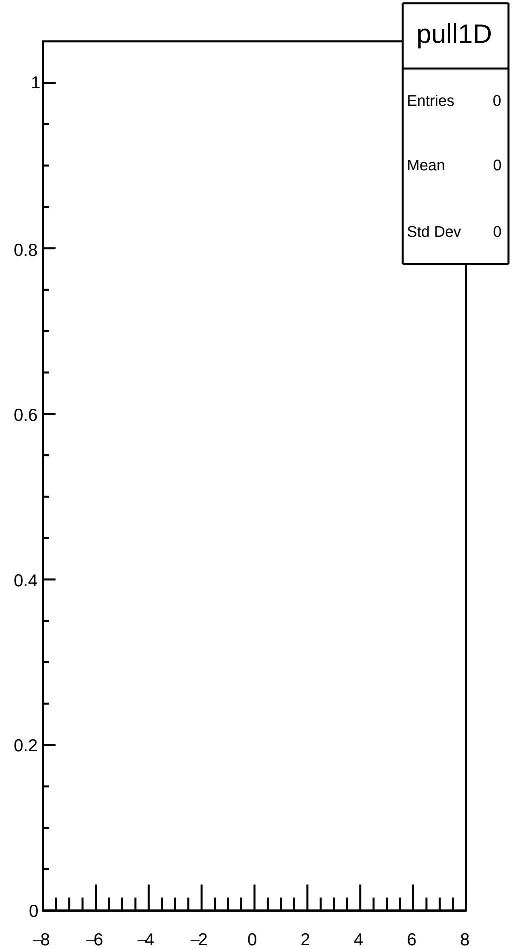
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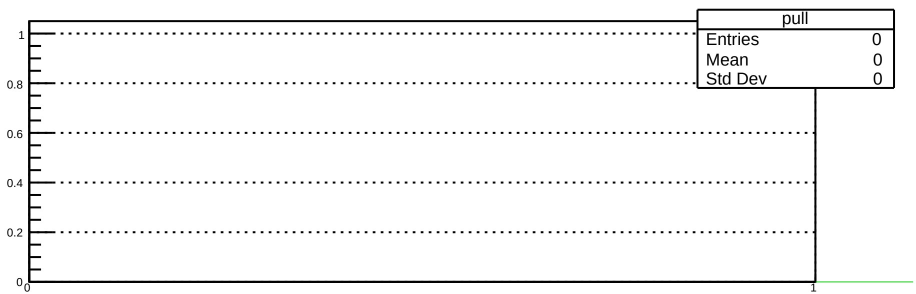
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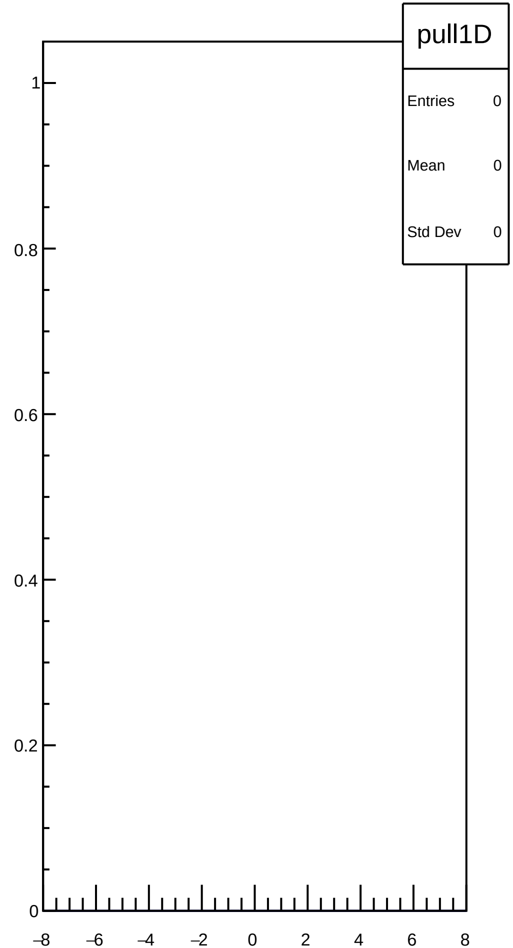
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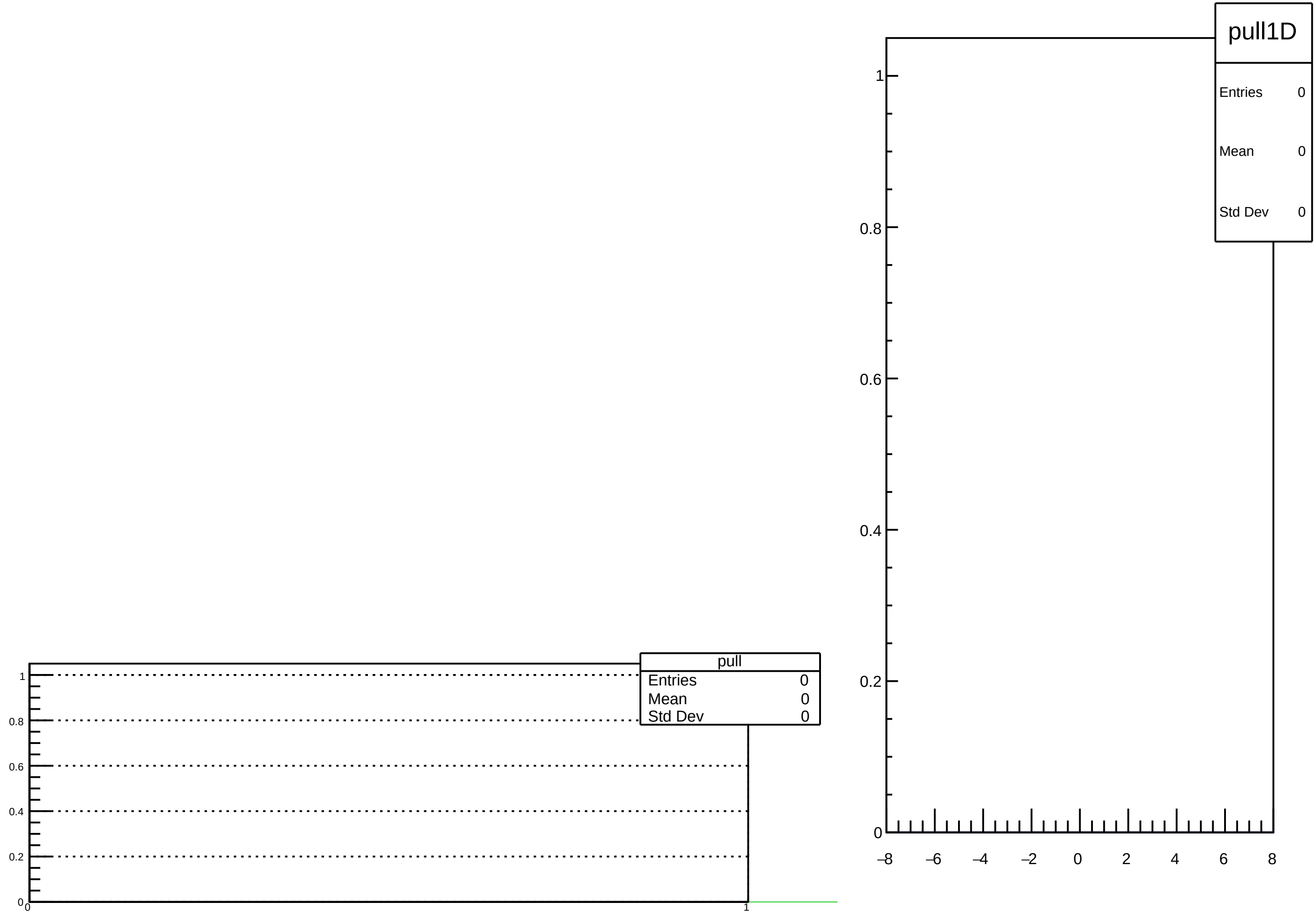

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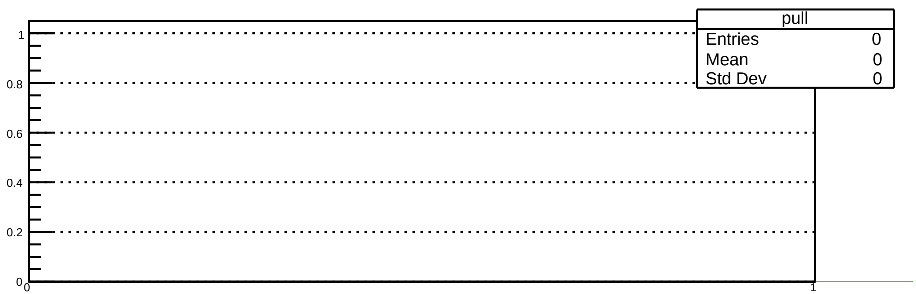
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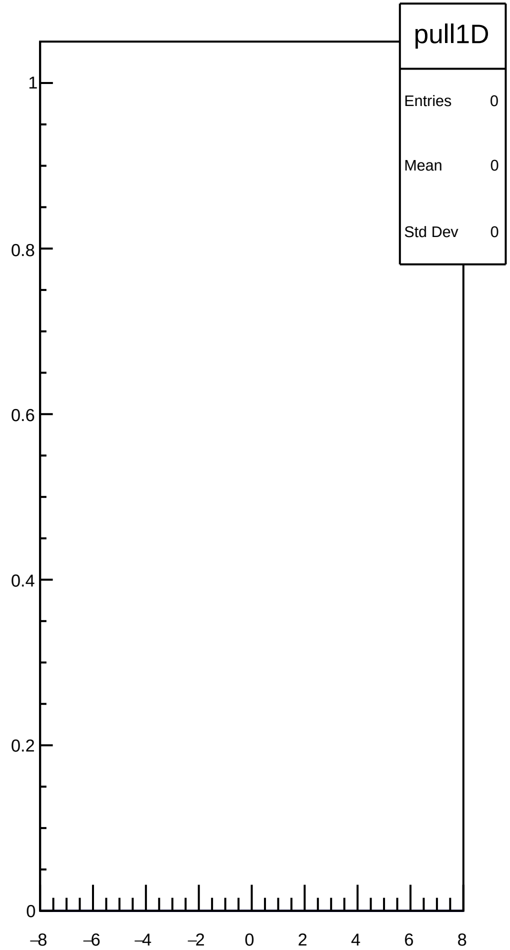
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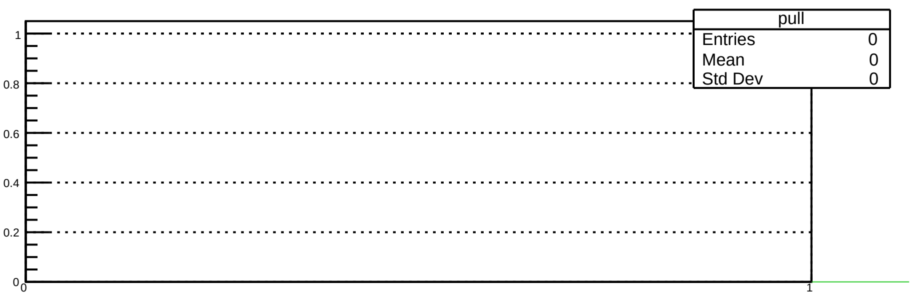

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Mean 0
Std Dev 0
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0.4
0.6
0.8
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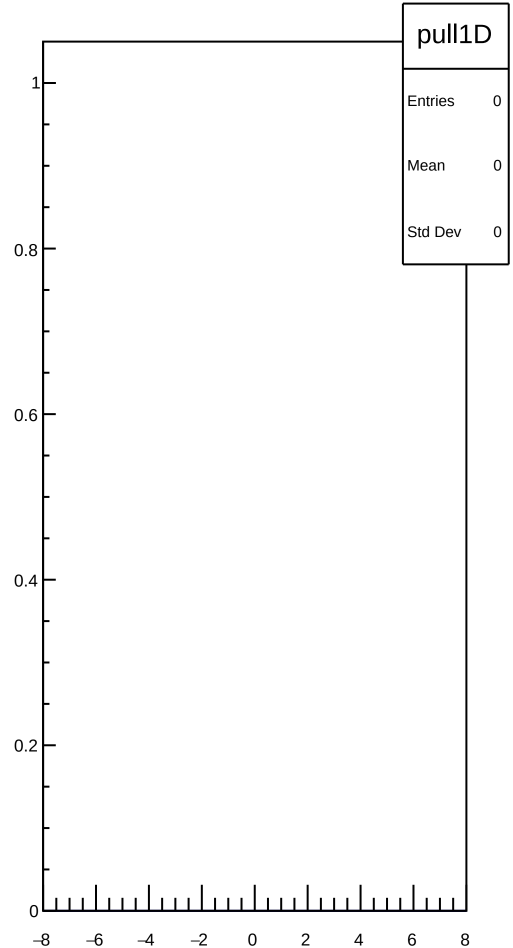
0
1



pull1D
Entries 0
Mean 0
Std Dev 0
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–4
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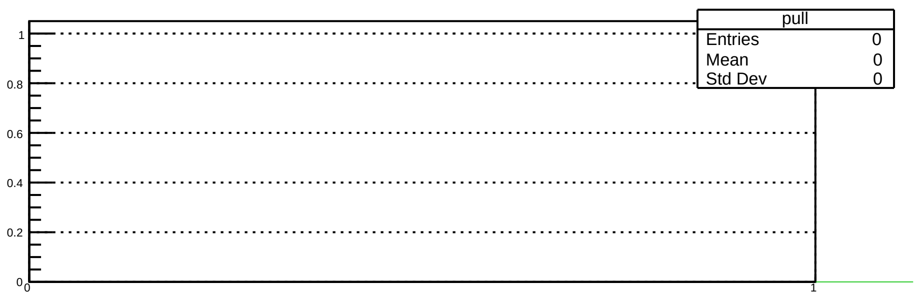
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Std Dev 0
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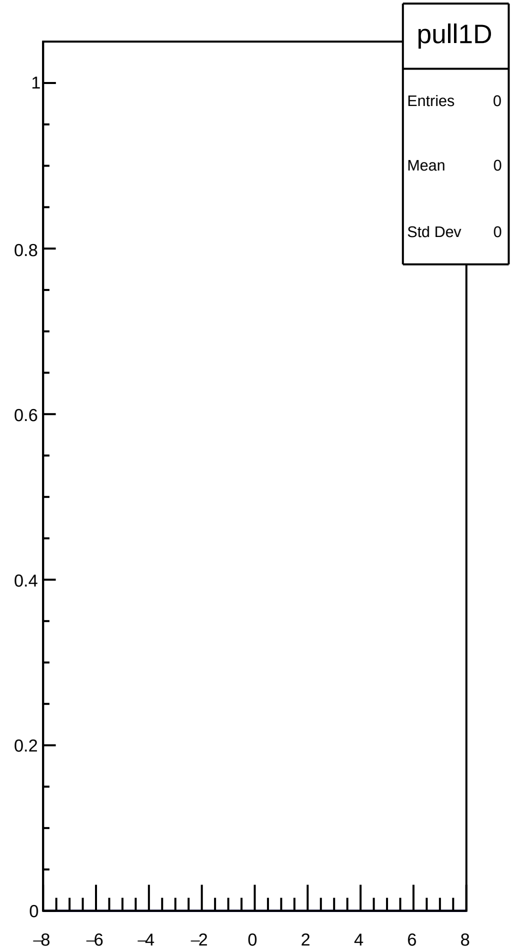
pull1D
Entries 0
Mean 0
Std Dev 0
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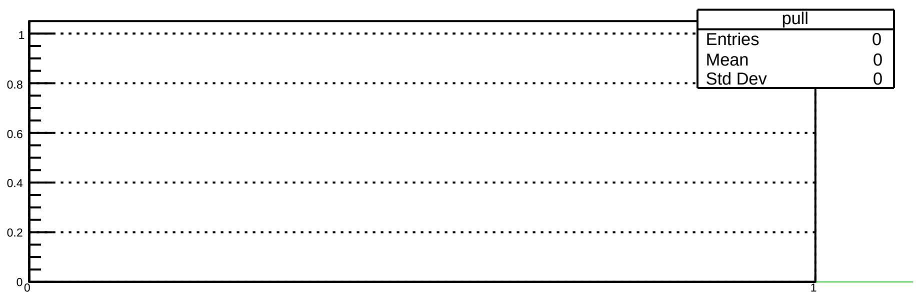
pull
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Std Dev 0
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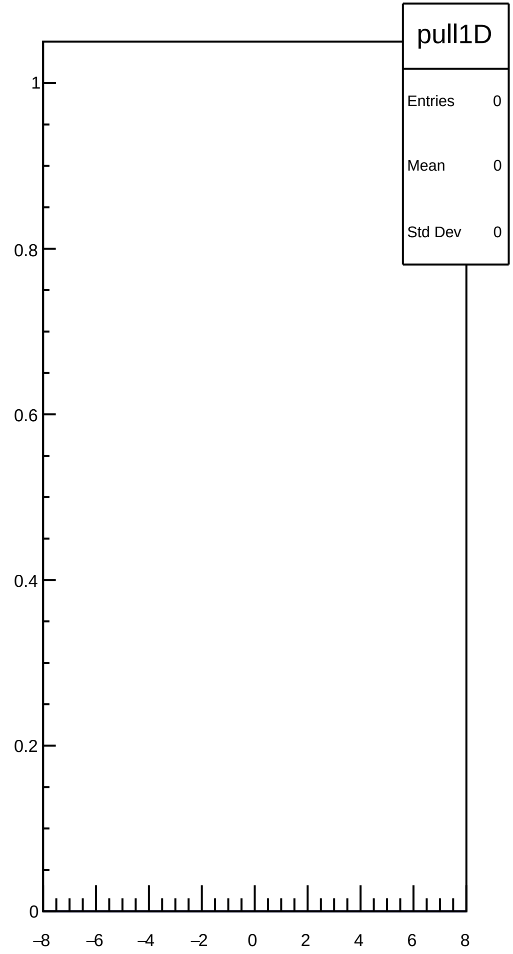
pull1D
Entries 0
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Std Dev 0
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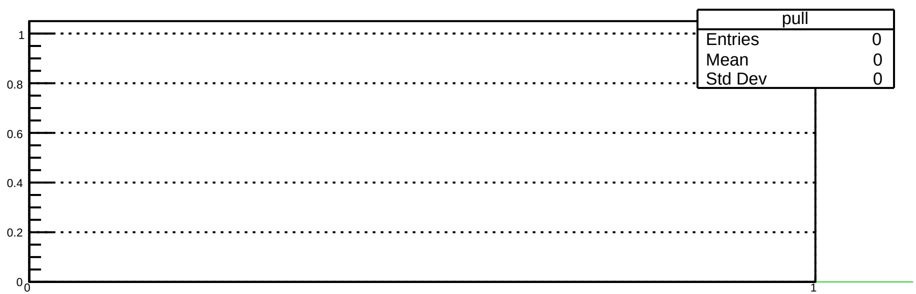
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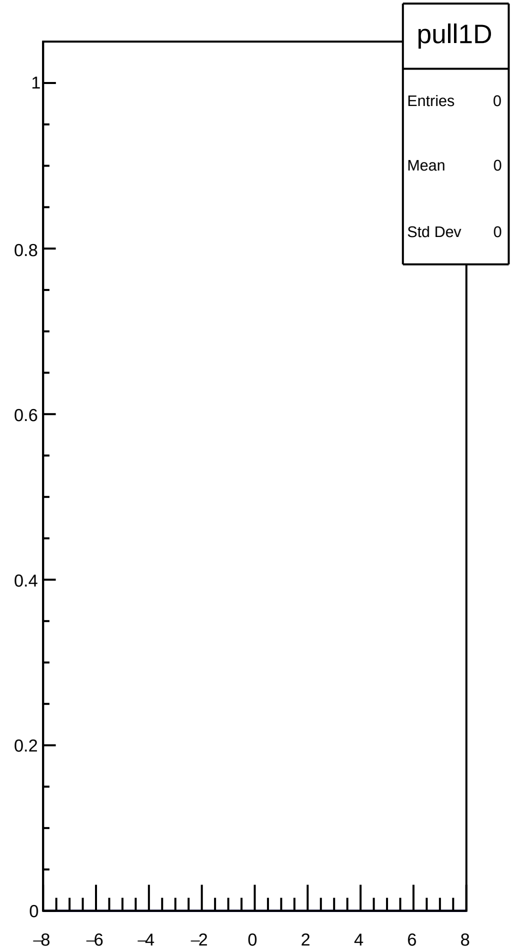
pull1D
Entries 0
Mean 0
Std Dev 0
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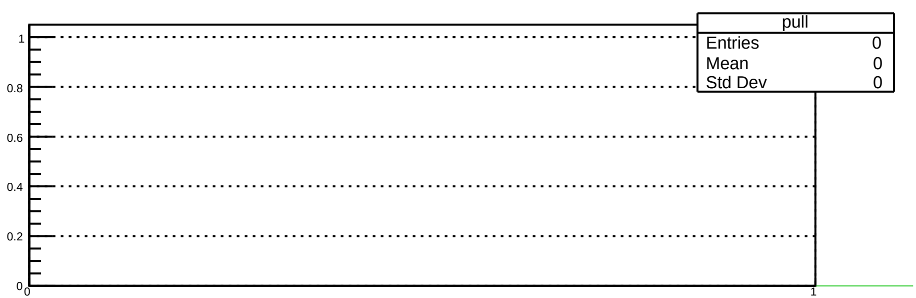

pull
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Std Dev 0
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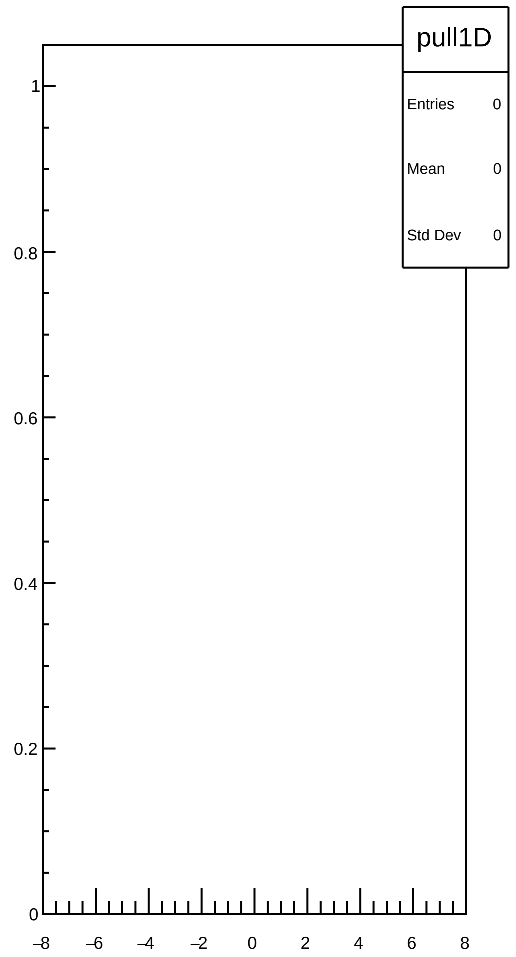

pull1D
Entries 0
Mean 0
Std Dev 0
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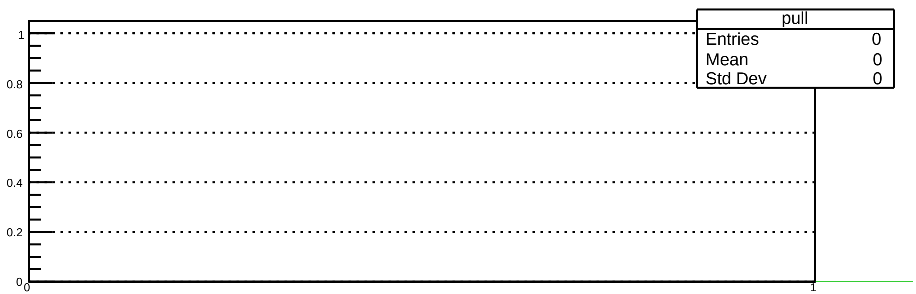
pull
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Mean 0
Std Dev 0
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0
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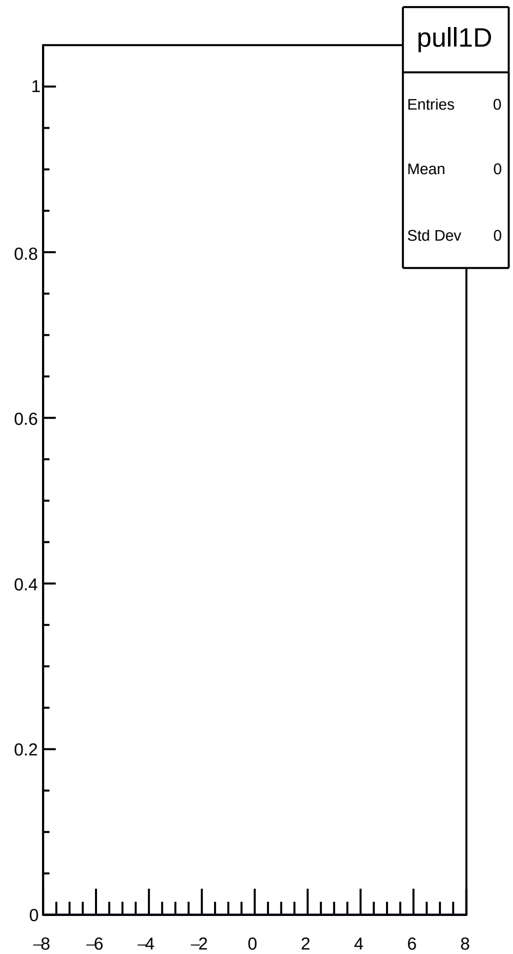
pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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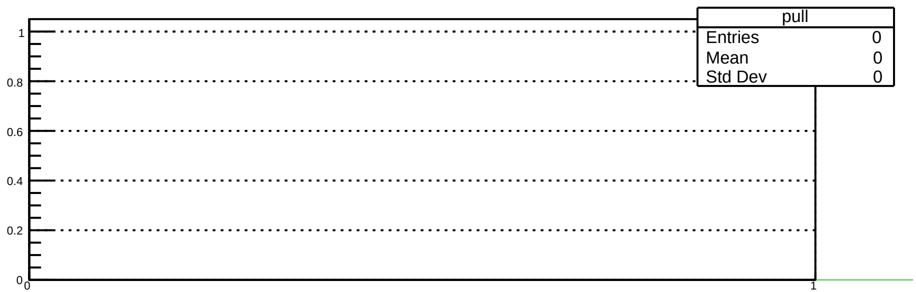

pull
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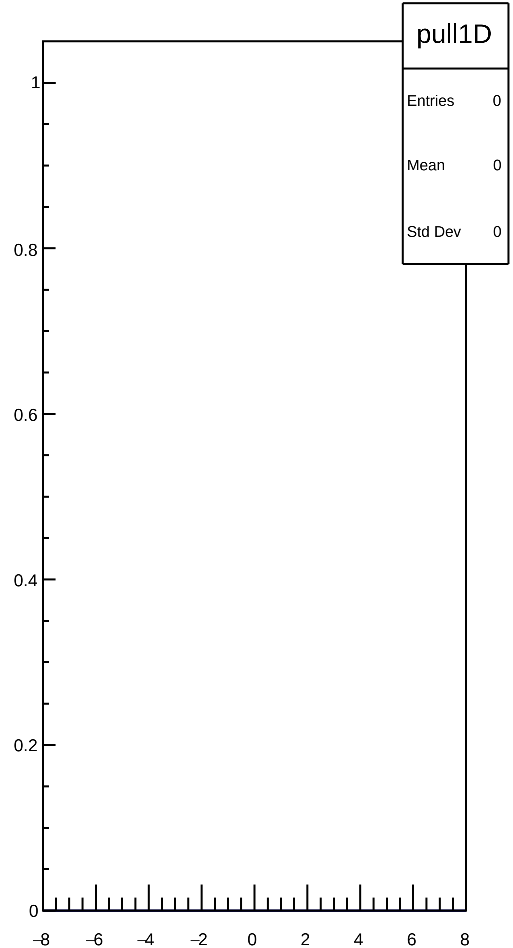
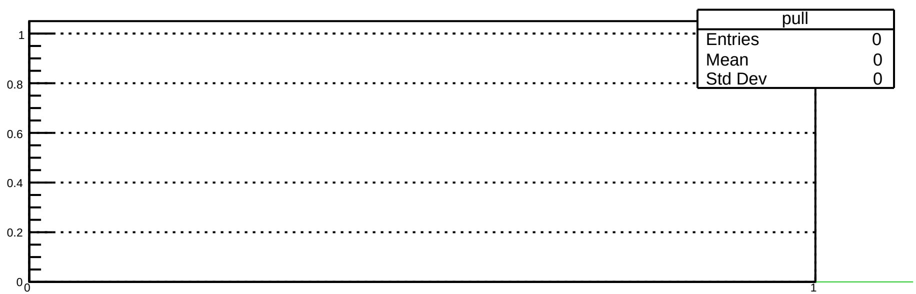
Mean 0
Std Dev 0



pull1D
Entries 0
Mean 0
Std Dev 0


pull
Entries 0
Mean 0
Std Dev 0
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0.6
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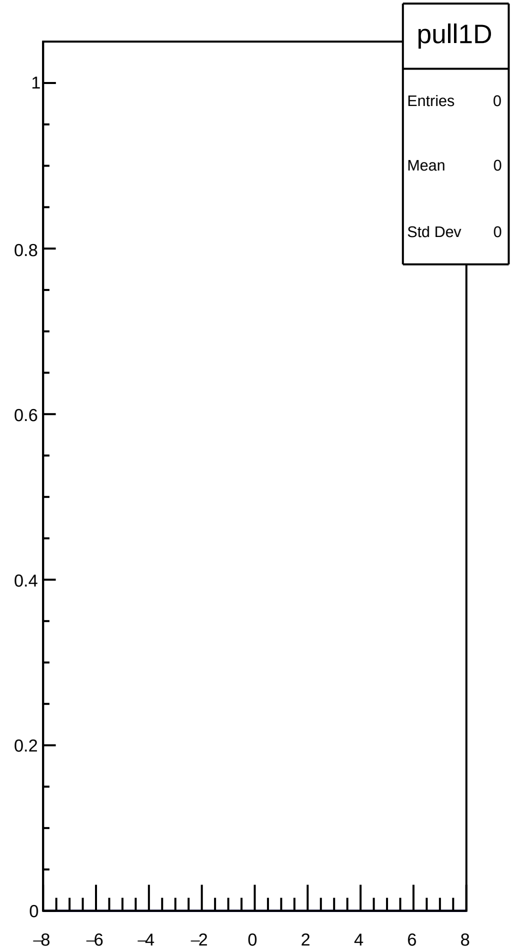
pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–4
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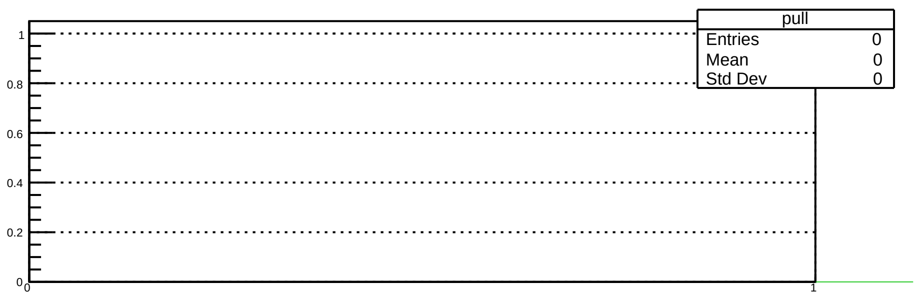

pull
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Mean 0
Std Dev 0
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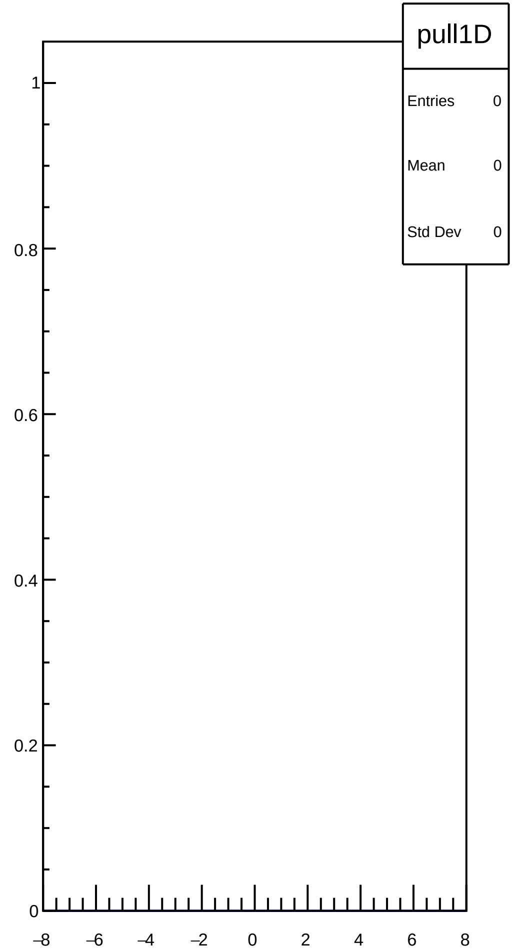

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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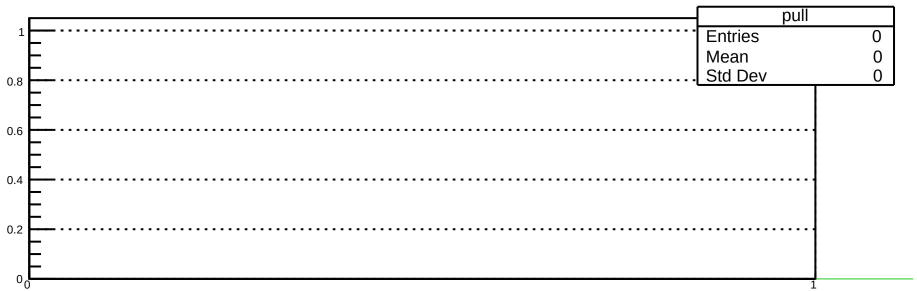
pull
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Mean 0
Std Dev 0
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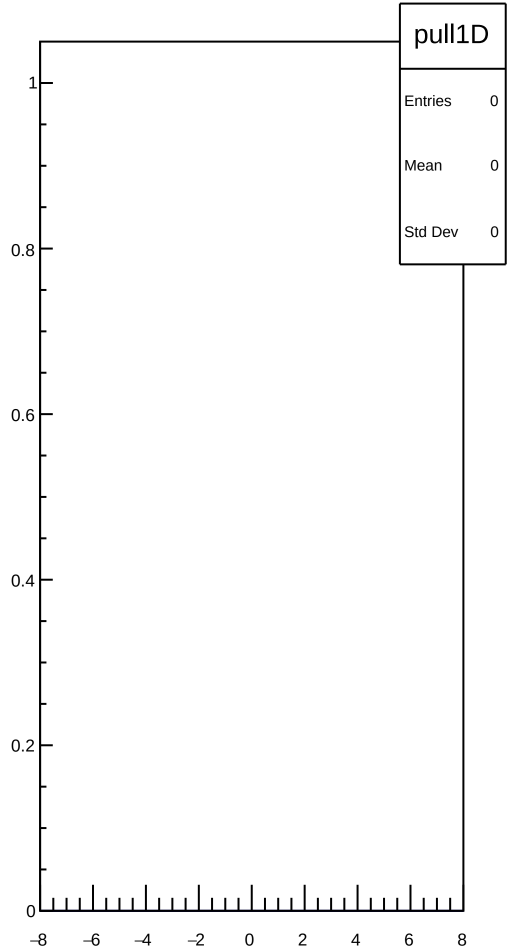
pull1D
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Std Dev 0
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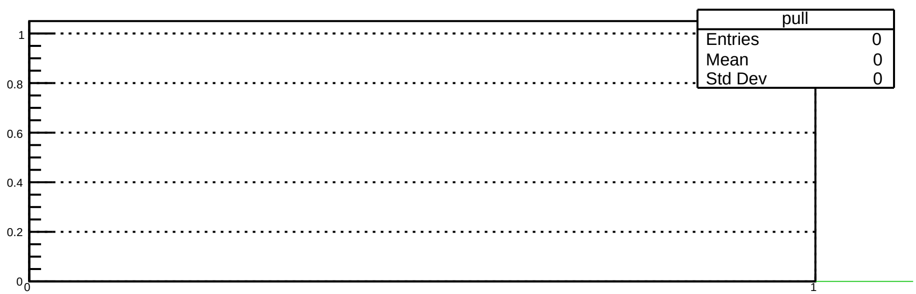
pull
Entries 0
Mean 0
Std Dev 0
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0.4
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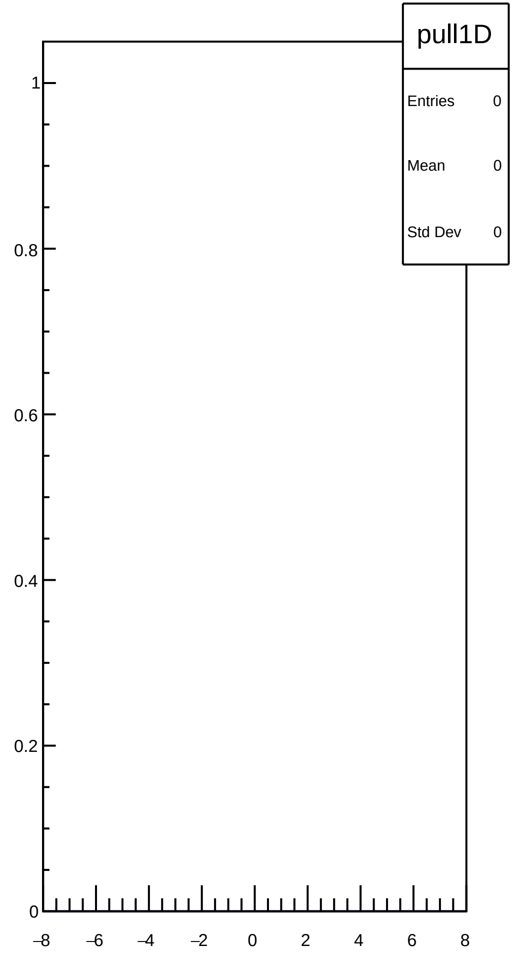
pull1D
Entries 0
Mean 0
Std Dev 0
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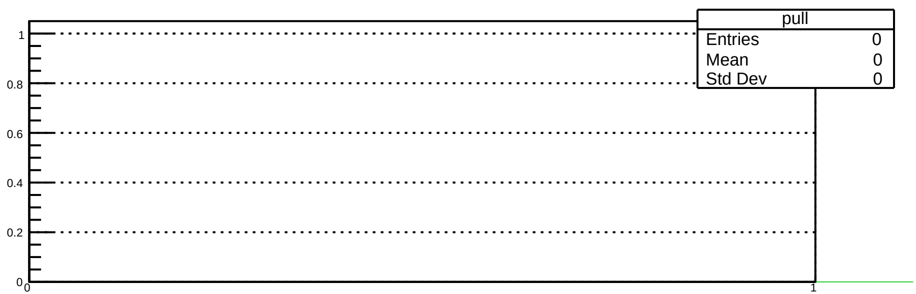
pull
Entries 0
Mean 0
Std Dev 0
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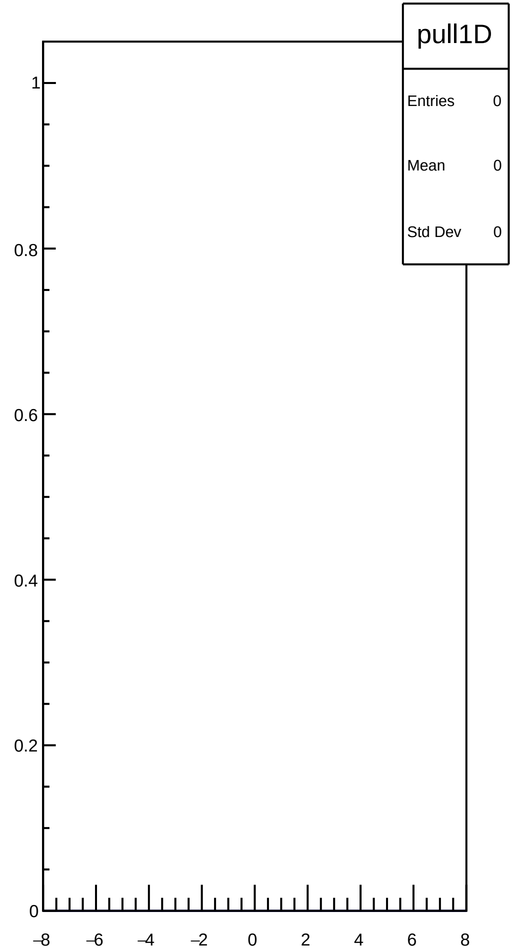
pull1D
Entries 0
Mean 0
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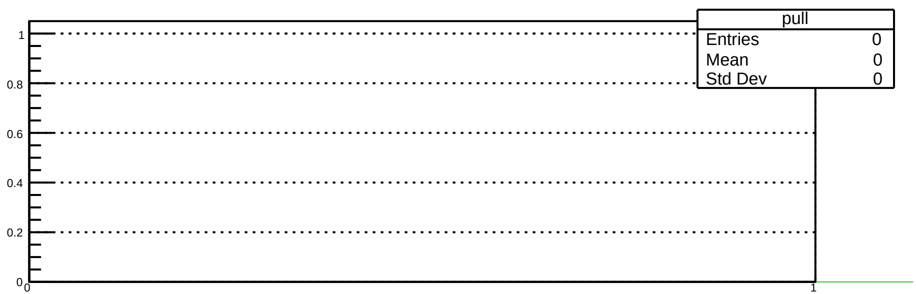
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Mean 0
Std Dev 0
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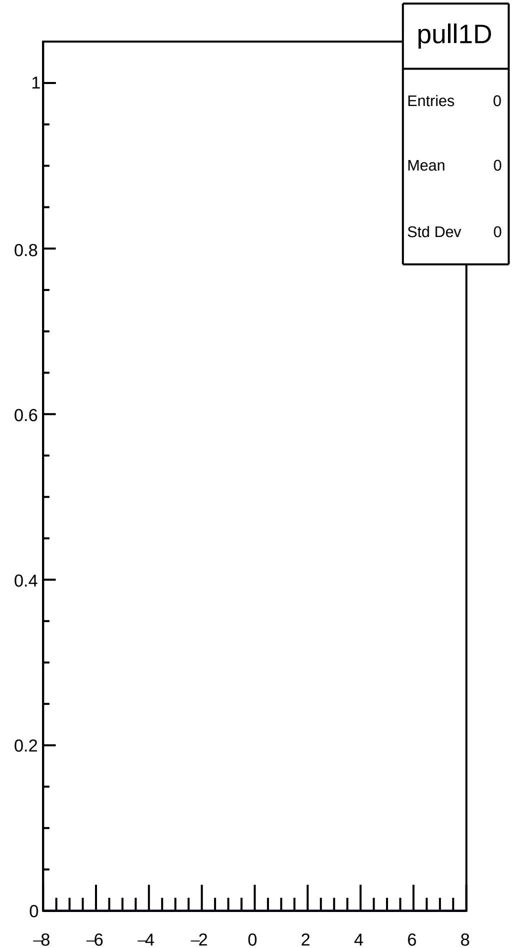
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Mean 0
Std Dev 0
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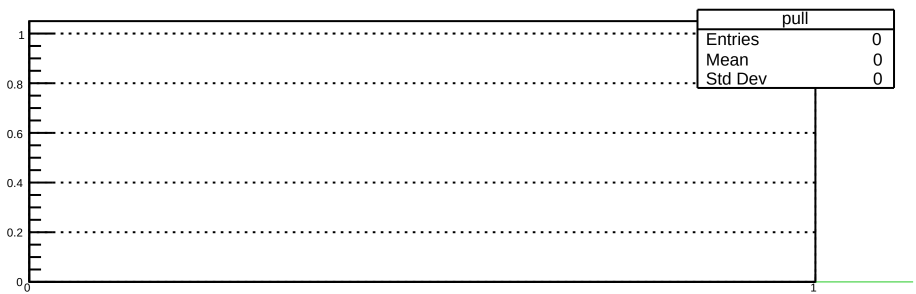
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Std Dev 0
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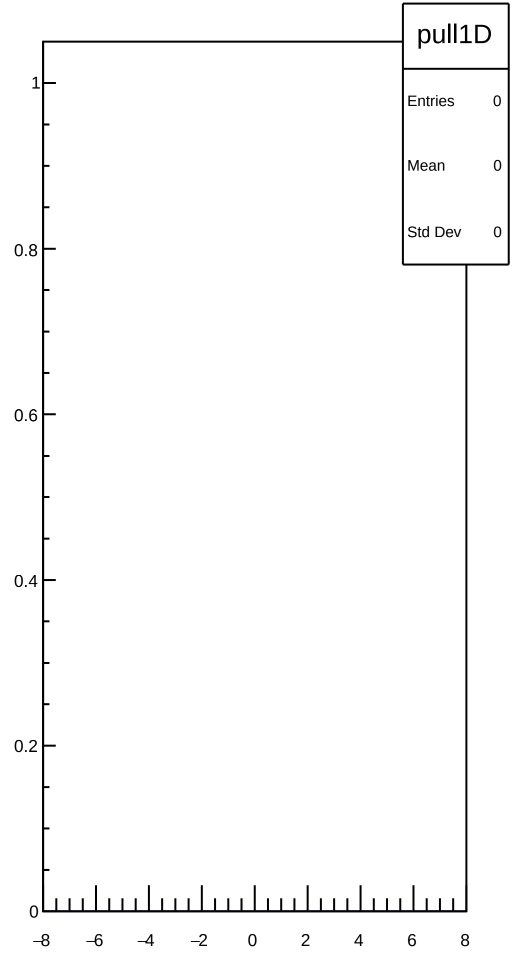
pull1D
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Mean 0
Std Dev 0
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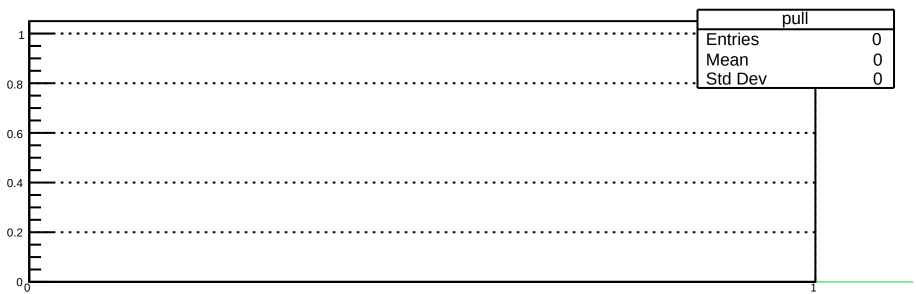
pull
Entries 0
Mean 0
Std Dev 0
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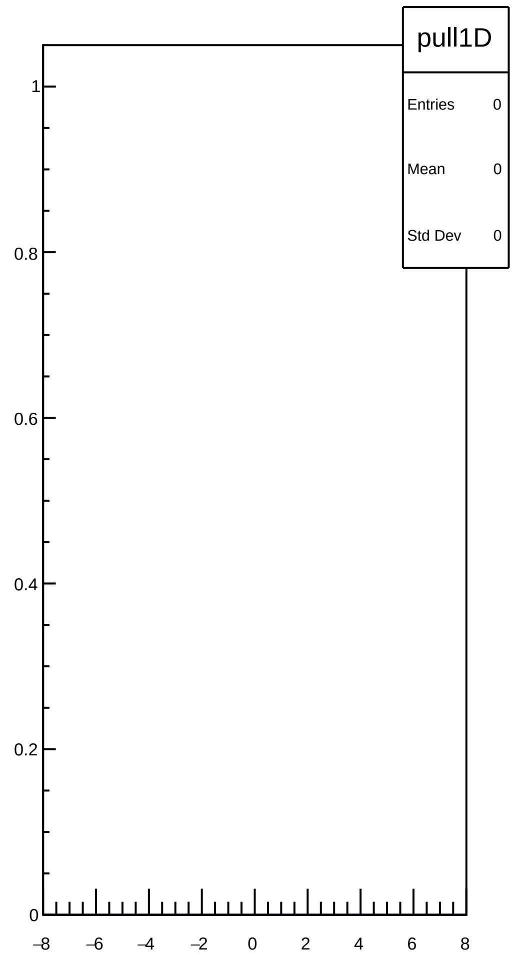
pull1D
Entries 0
Mean 0
Std Dev 0
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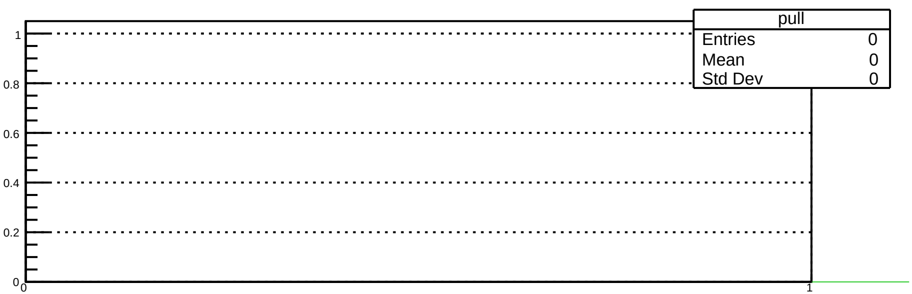
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Std Dev 0
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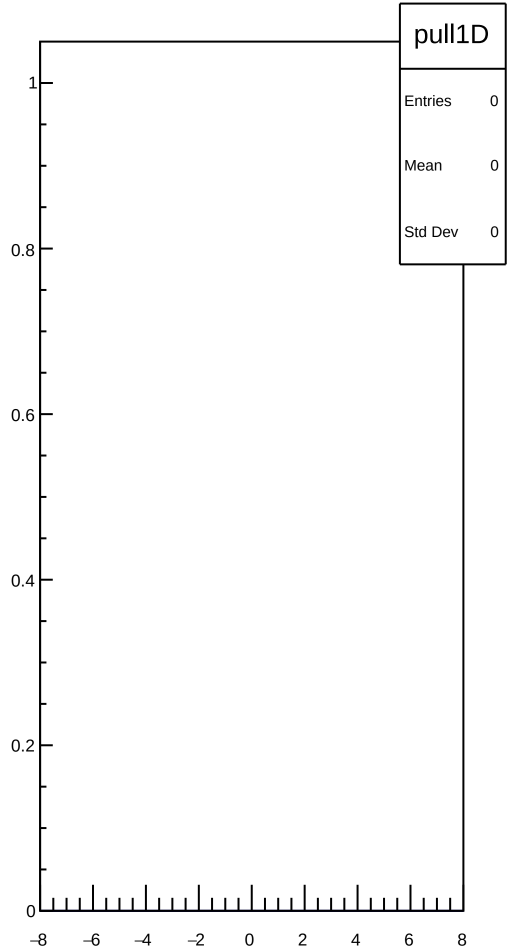
pull1D
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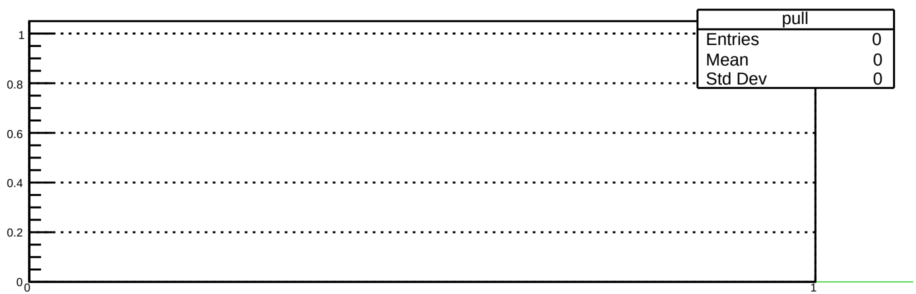

pull
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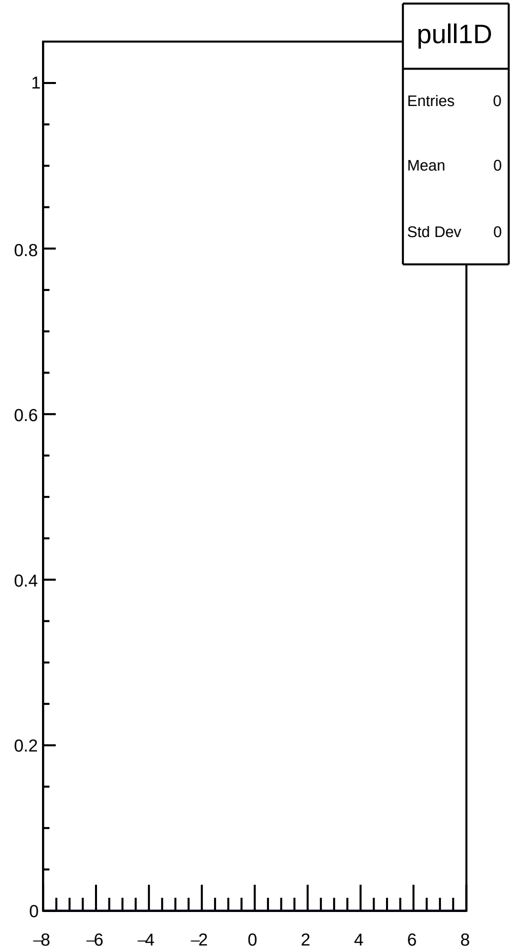
Mean 0
Std Dev 0



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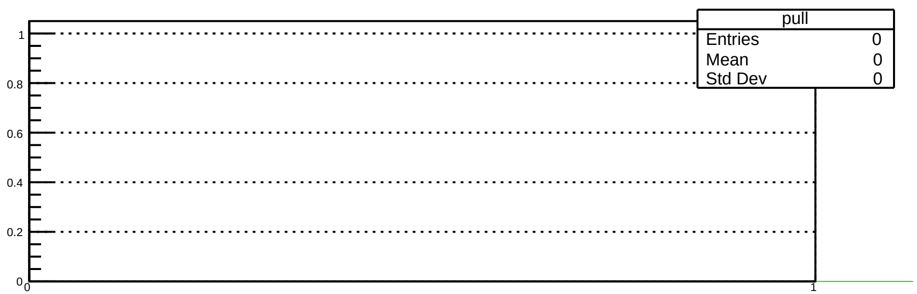
Std Dev 0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Std Dev 0
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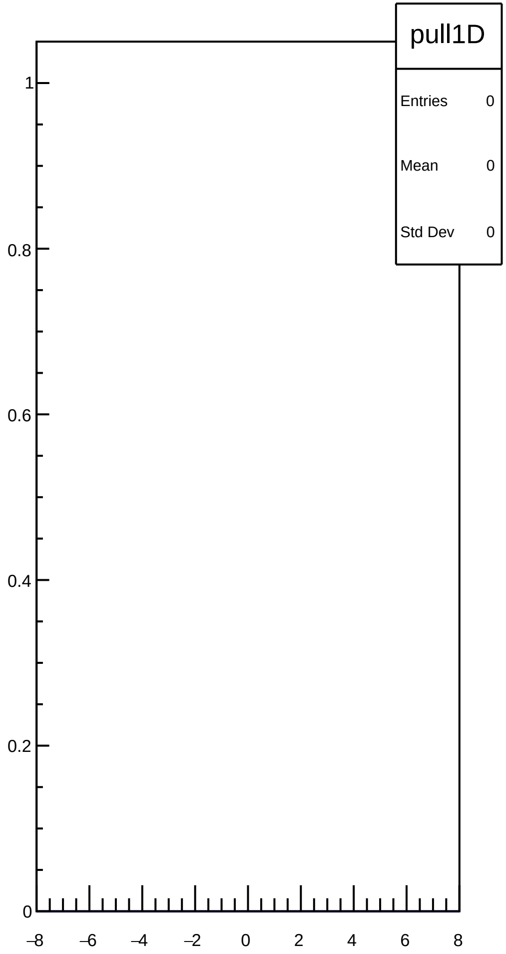
pull1D
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Mean 0
Std Dev 0
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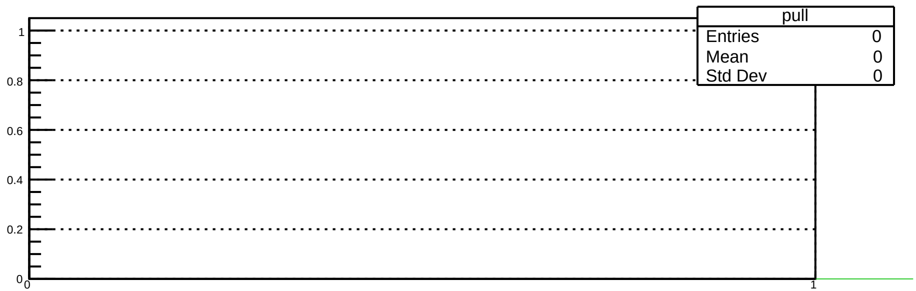
pull
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Std Dev 0
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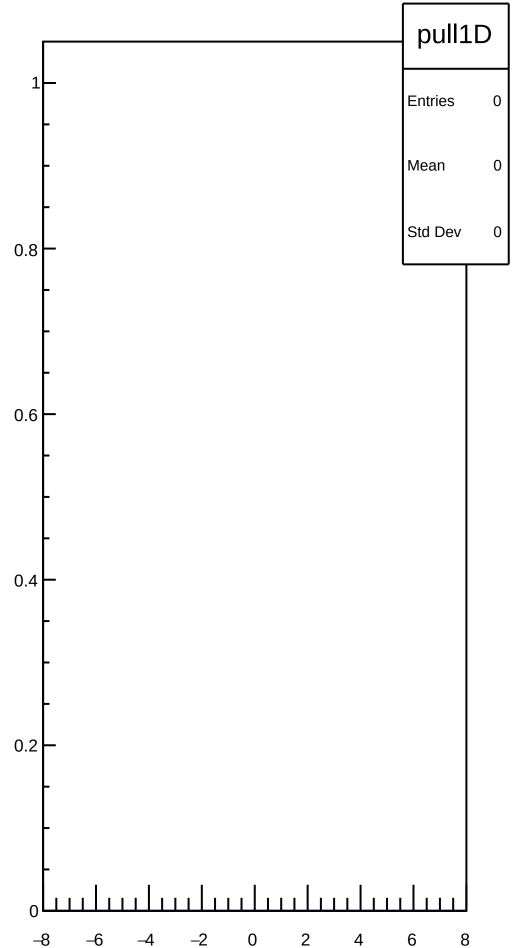
pull1D
Entries 0
Mean 0
Std Dev 0
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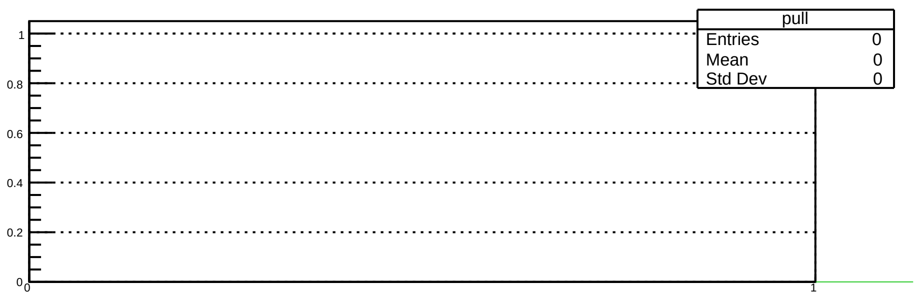

pull
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Mean 0
Std Dev 0
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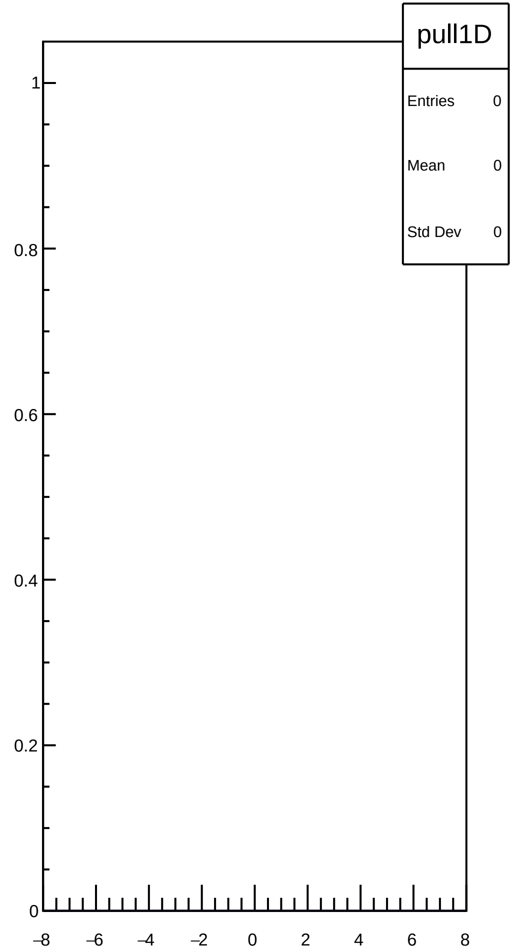

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.6
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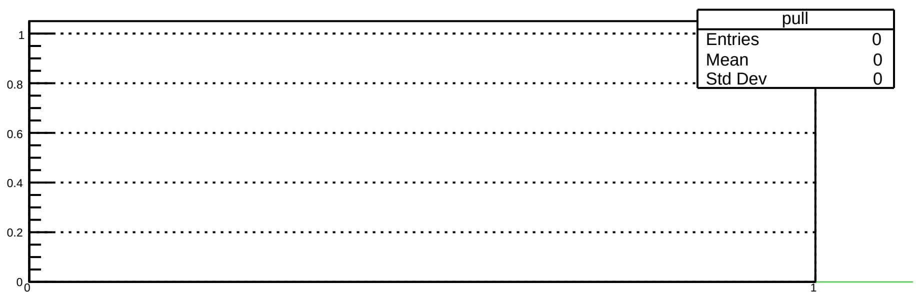

pull
Entries 0
Mean 0
Std Dev 0
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0.2
0.4
0.6
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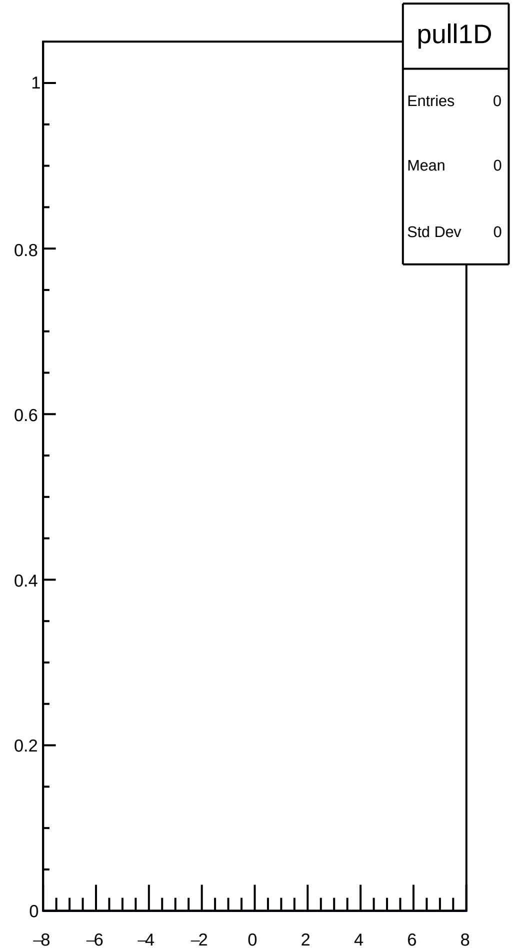

pull1D
Entries 0
Mean 0
Std Dev 0
0
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0.4
0.6
0.8
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6
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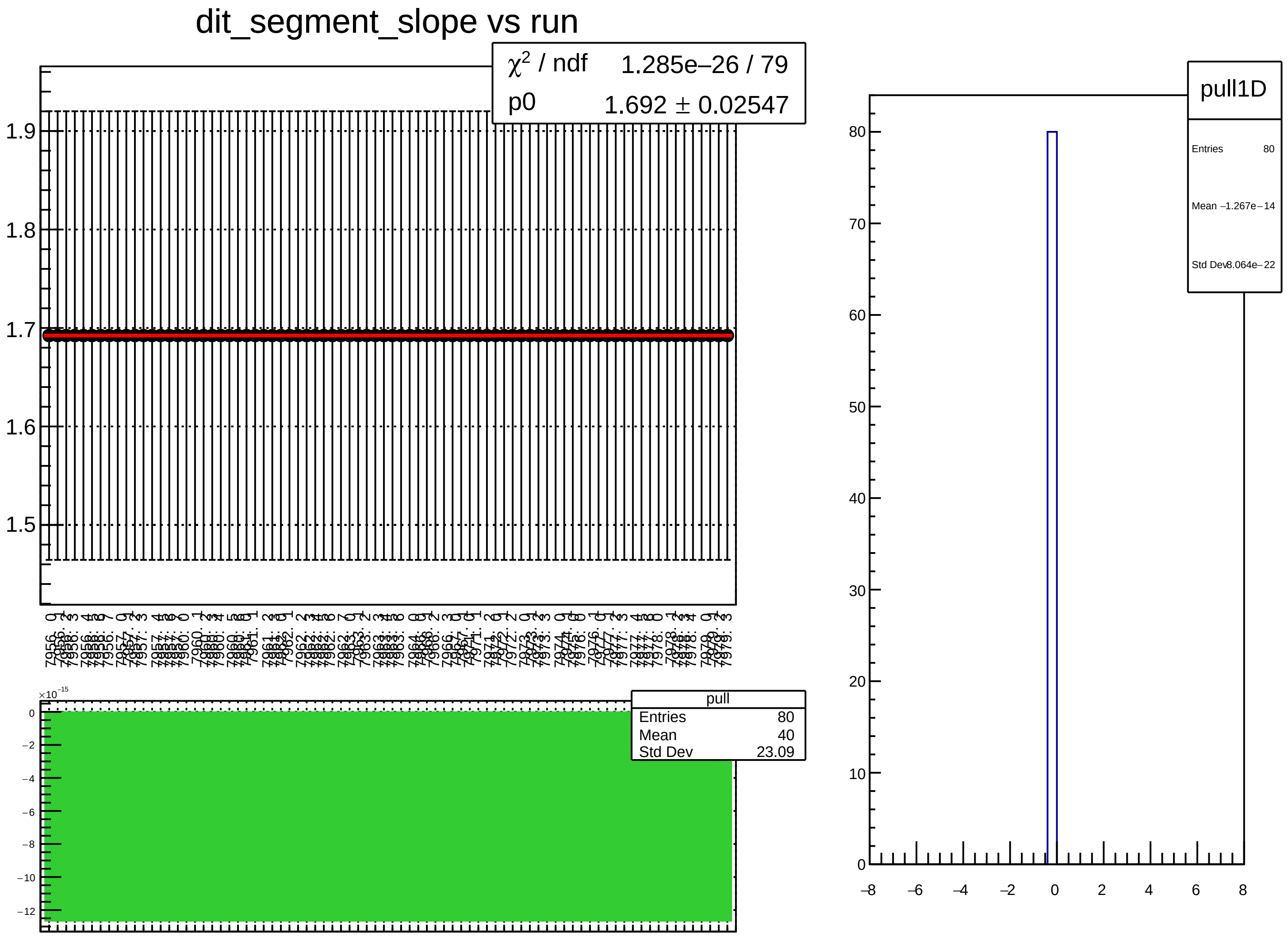
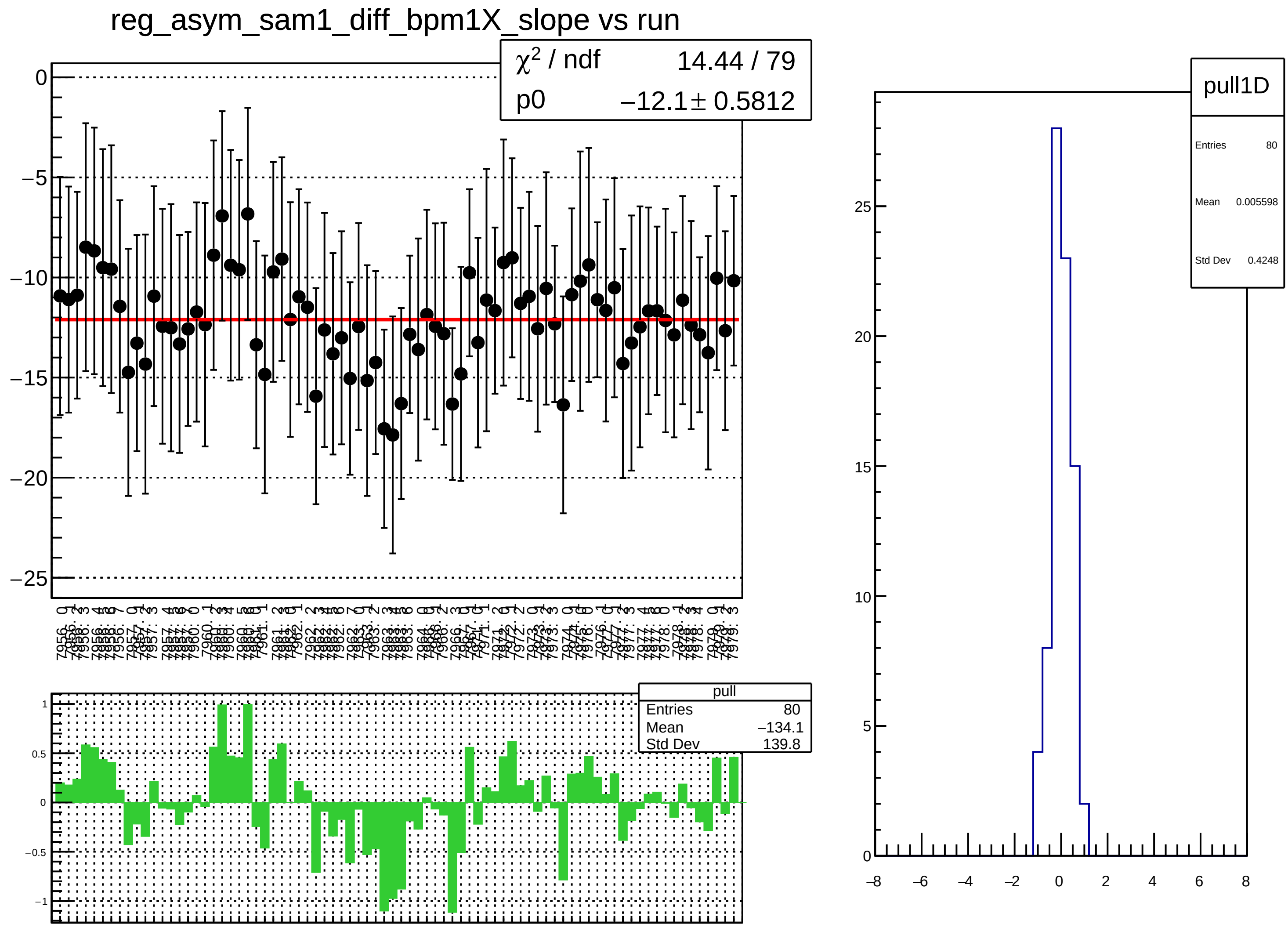
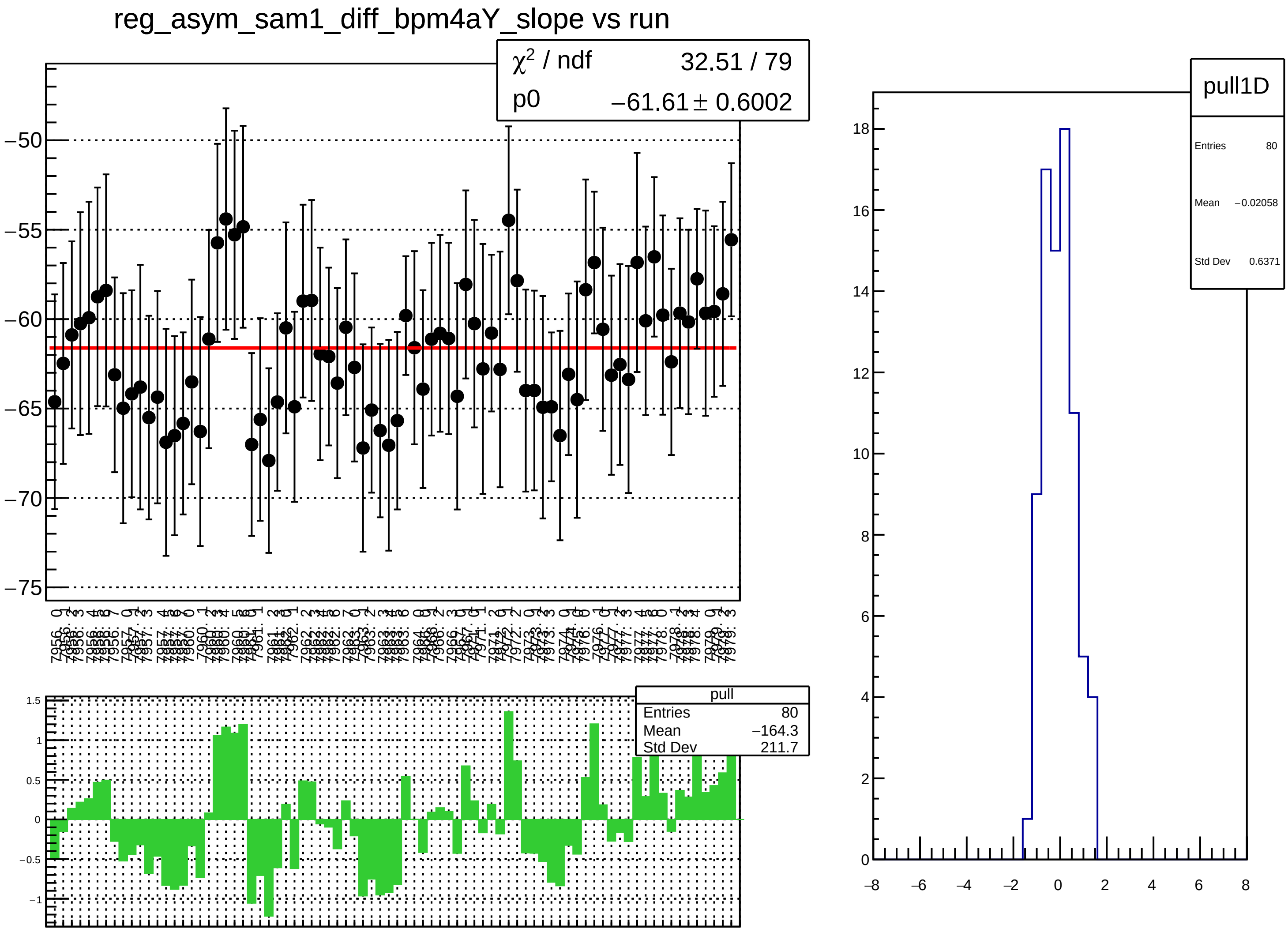


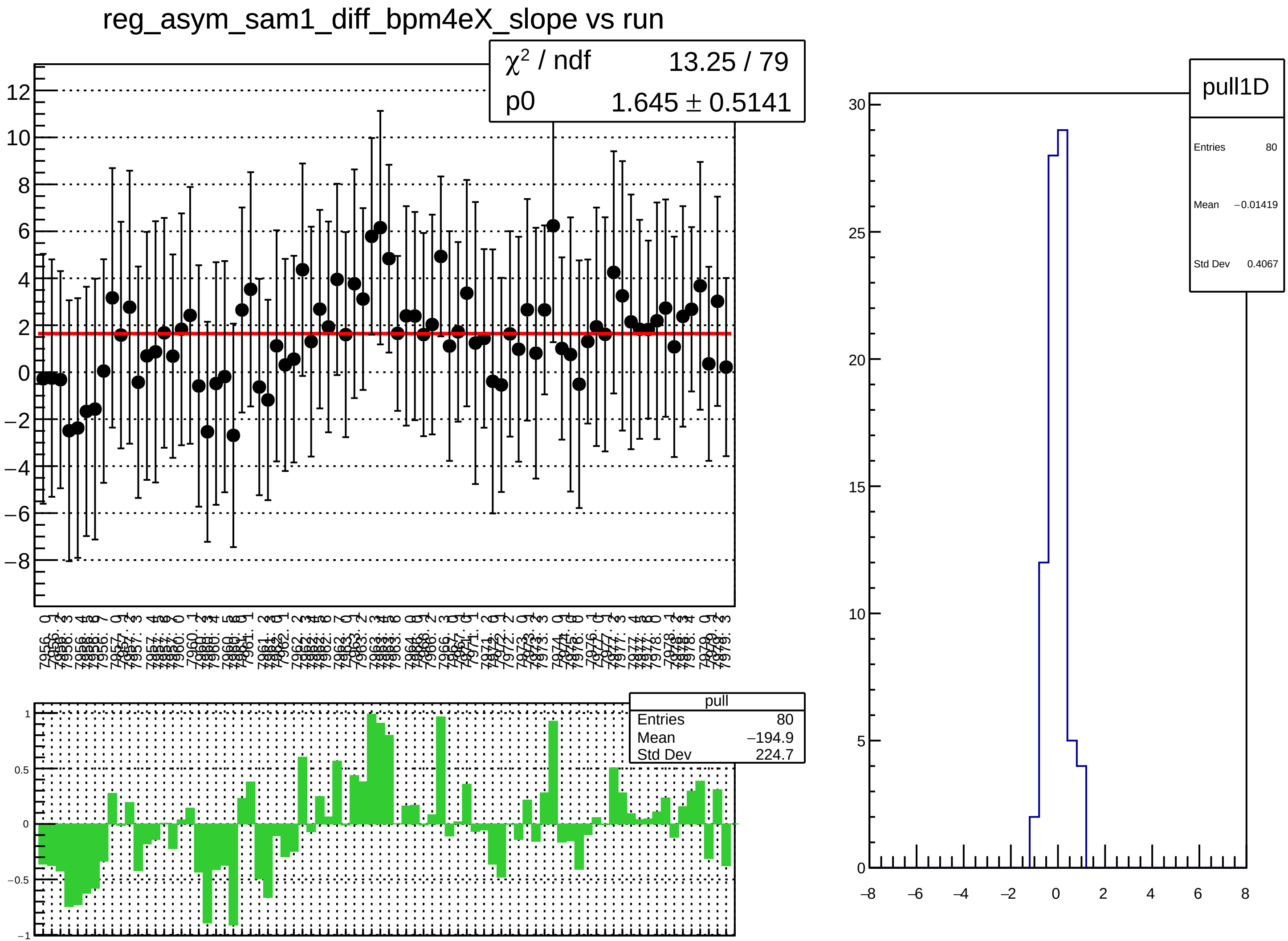
dit_segment_slope vs run
χ^2 / ndf 1.285e−26 / 79
p0 1.692 ± 0.02547
pull
Entries 80
Mean 40
Std Dev 23.09
pull1D
Entries 80
Mean −1.267e−14
Std Dev 8.064e−22



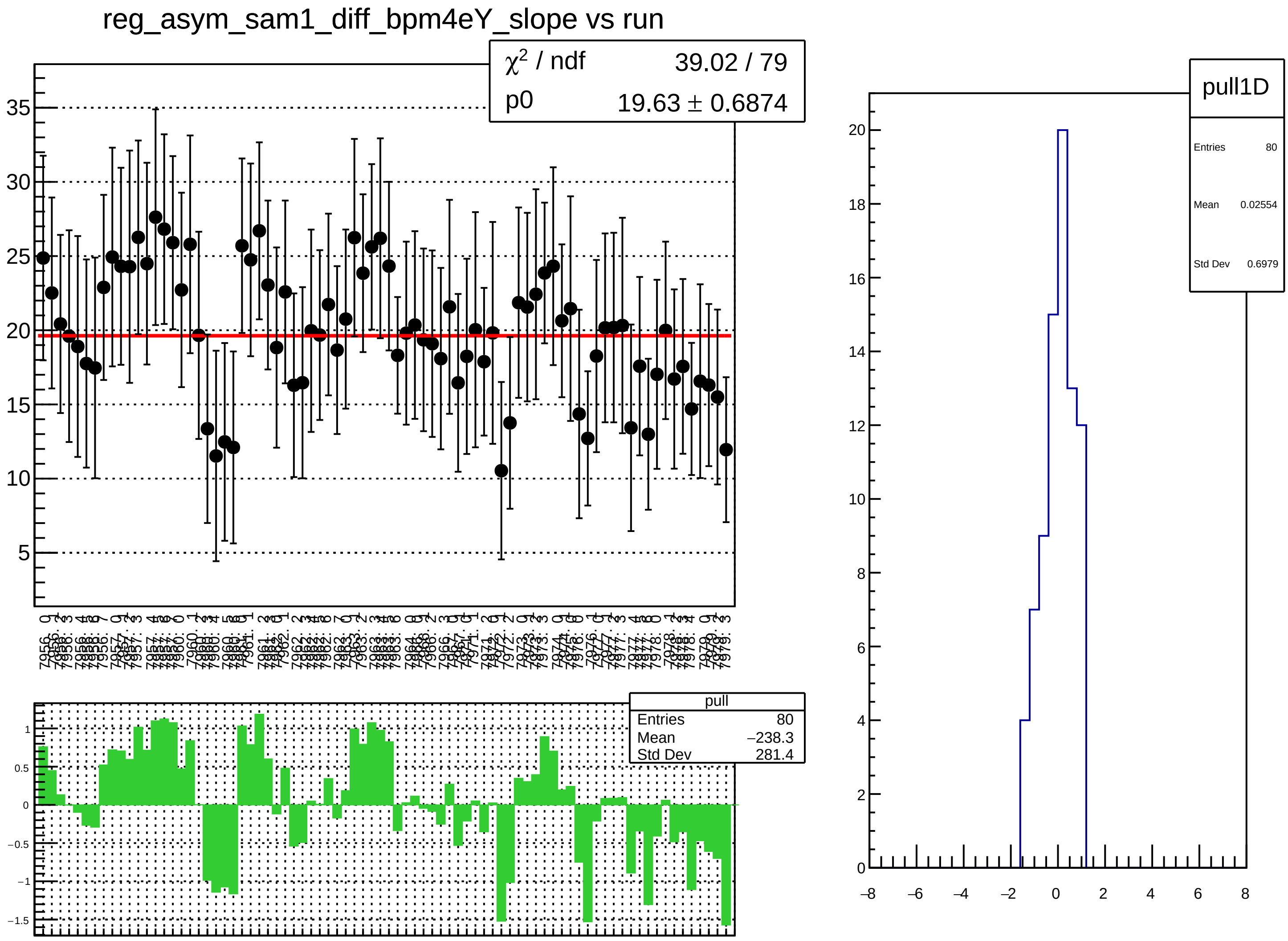
reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 14.44 / 79
p0 −12.1 ± 0.5812
pull
Entries 80
Mean −134.1
Std Dev 139.8
pull1D
Entries 80
Mean 0.005598
Std Dev 0.4248



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
χ^2 / ndf 13.25 / 79
p0 1.645 ± 0.5141
pull
Entries 80
Mean −194.9
Std Dev 224.7
pull1D
Entries 80
Mean −0.01419
Std Dev 0.4067



reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 39.02 / 79
p0 19.63 ± 0.6874
35
30
25
20
15
10
5
pull
Entries 80
Mean −238.3
Std Dev 281.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean 0.02554
Std Dev 0.6979
20
18
16
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10
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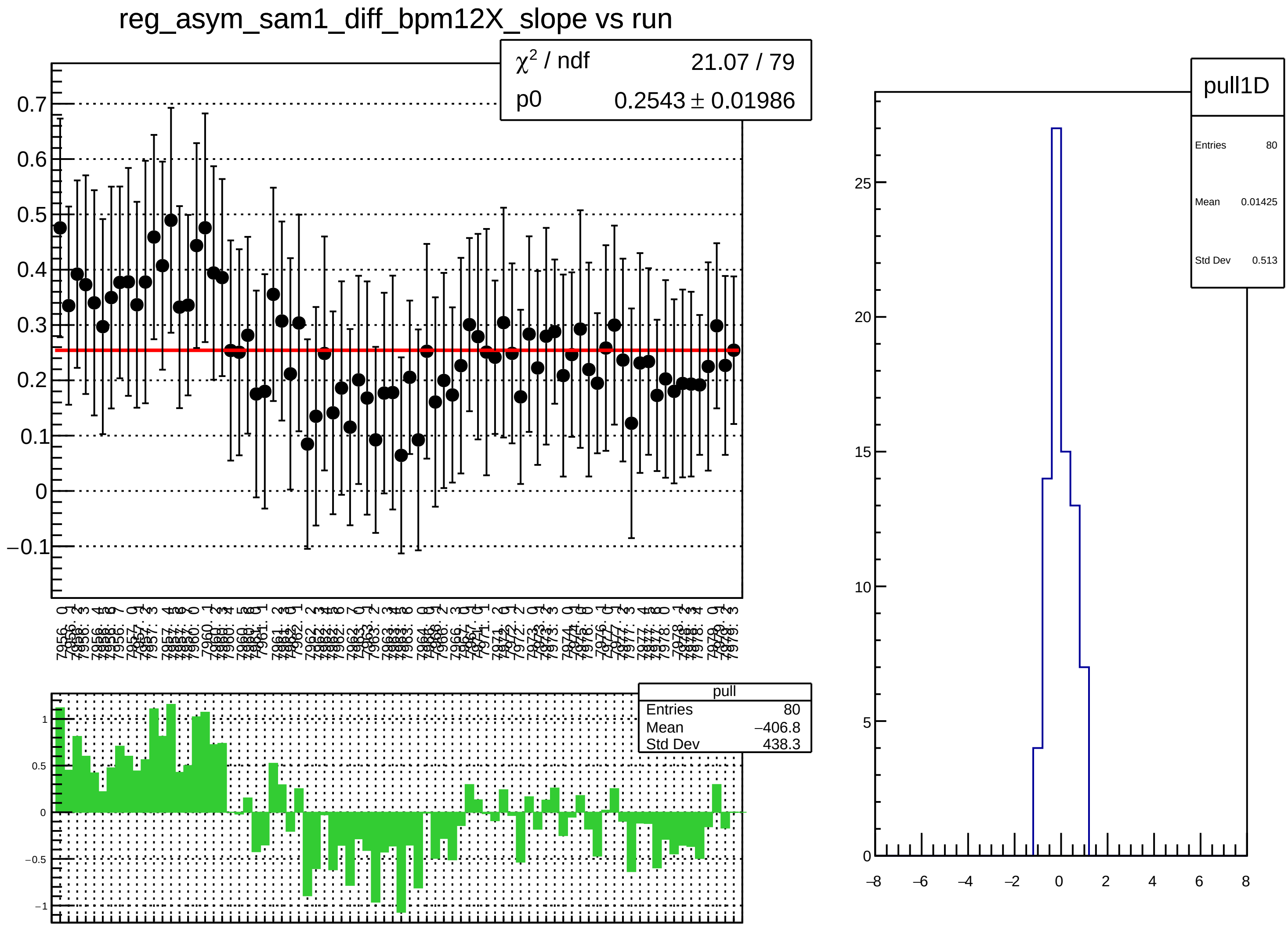
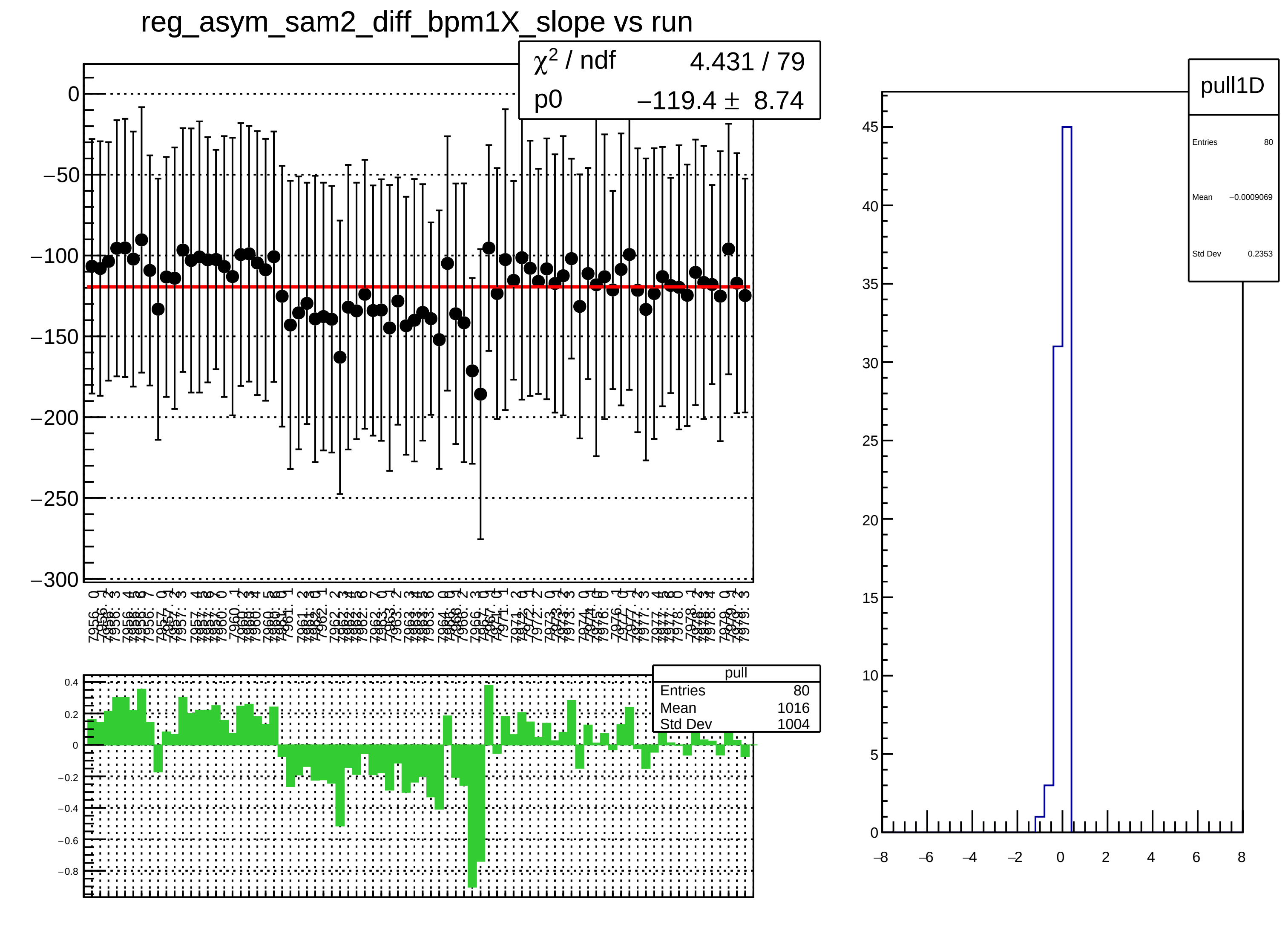
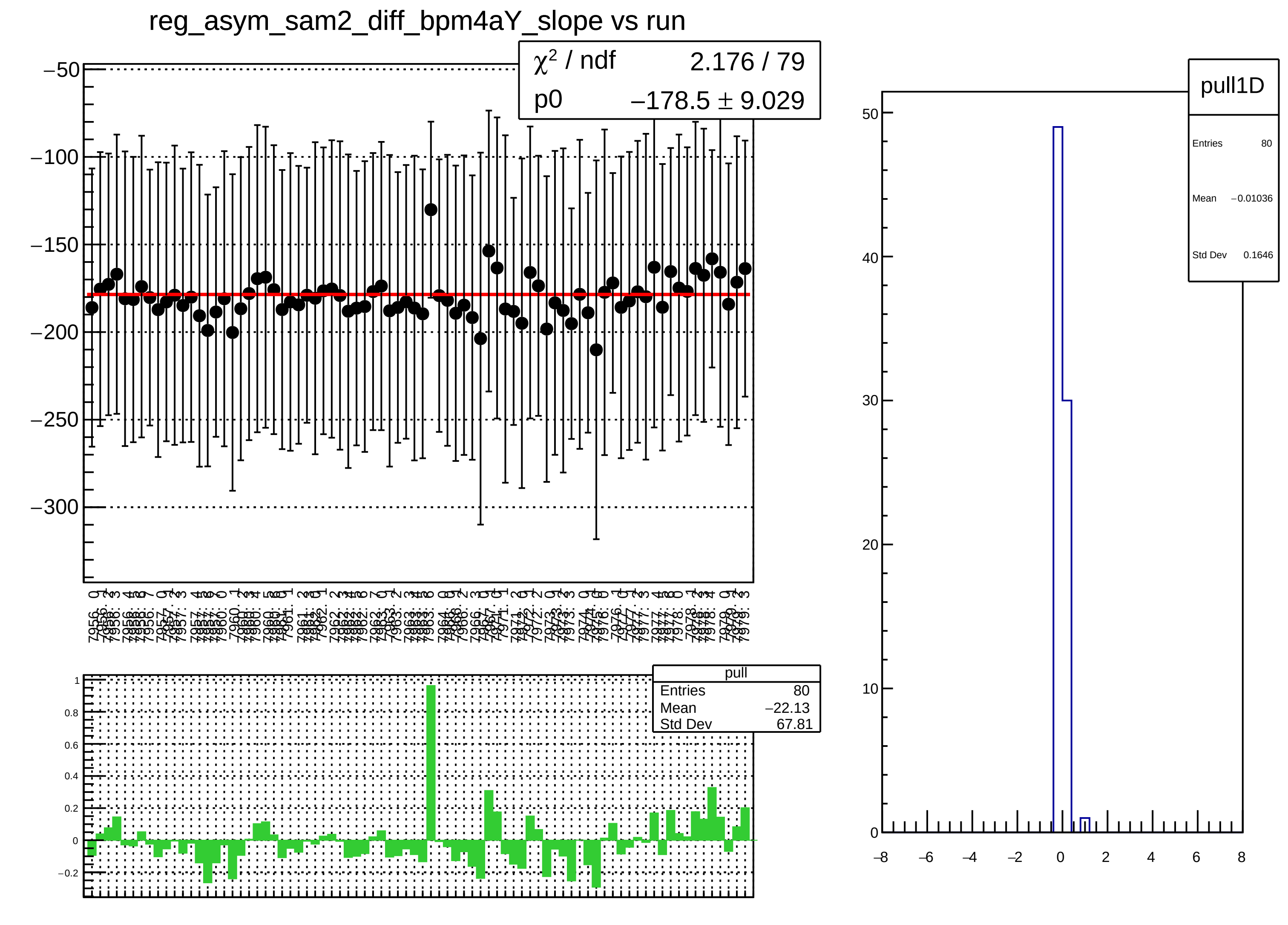
6
8



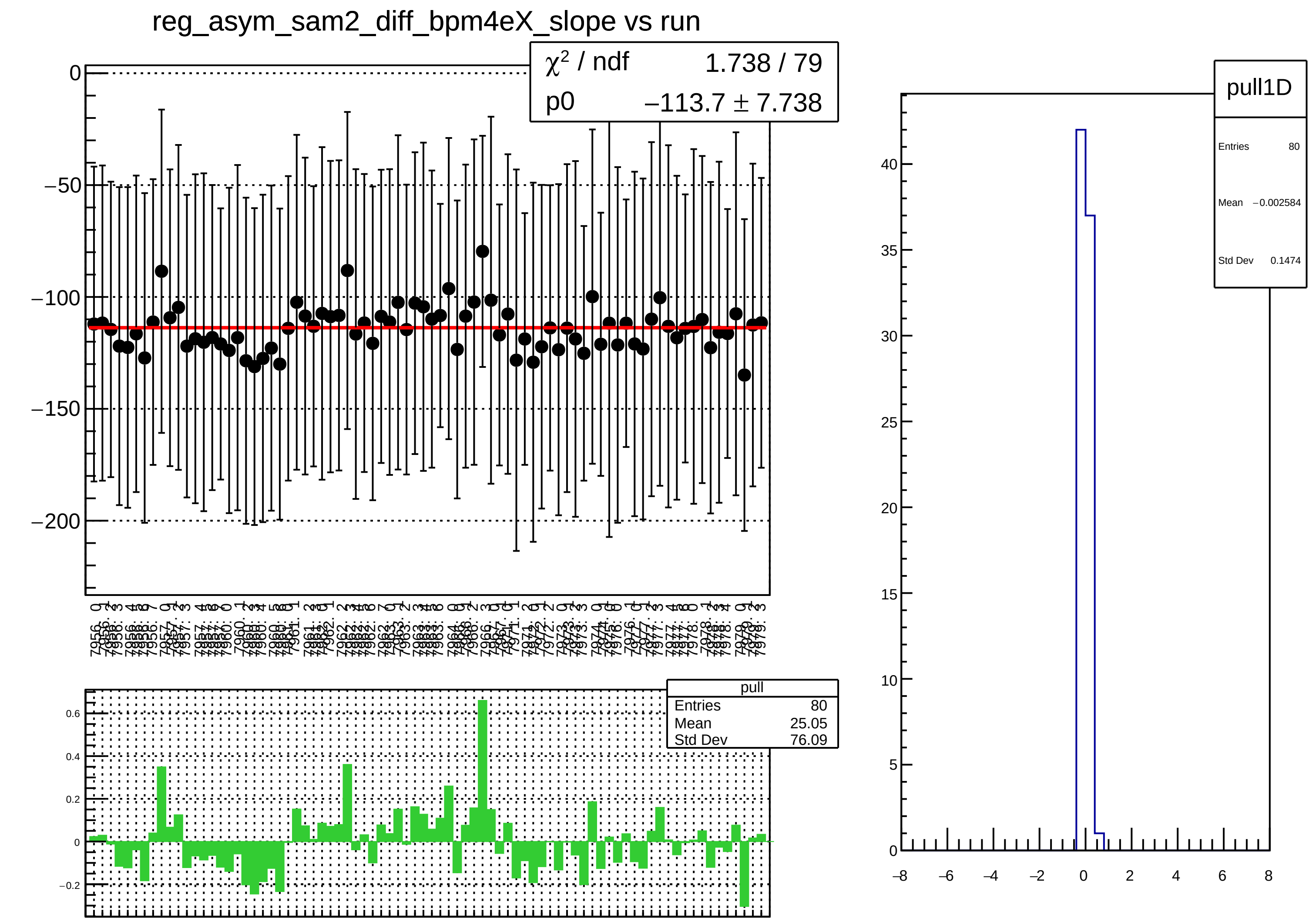
reg_asym_sam1_diff_bpm12X_slope vs run
χ2 / ndf 21.07 / 79
p0 0.2543 ± 0.01986
pull
Entries 80
Mean −406.8
Std Dev 438.3
pull1D
Entries 80
Mean 0.01425
Std Dev 0.513



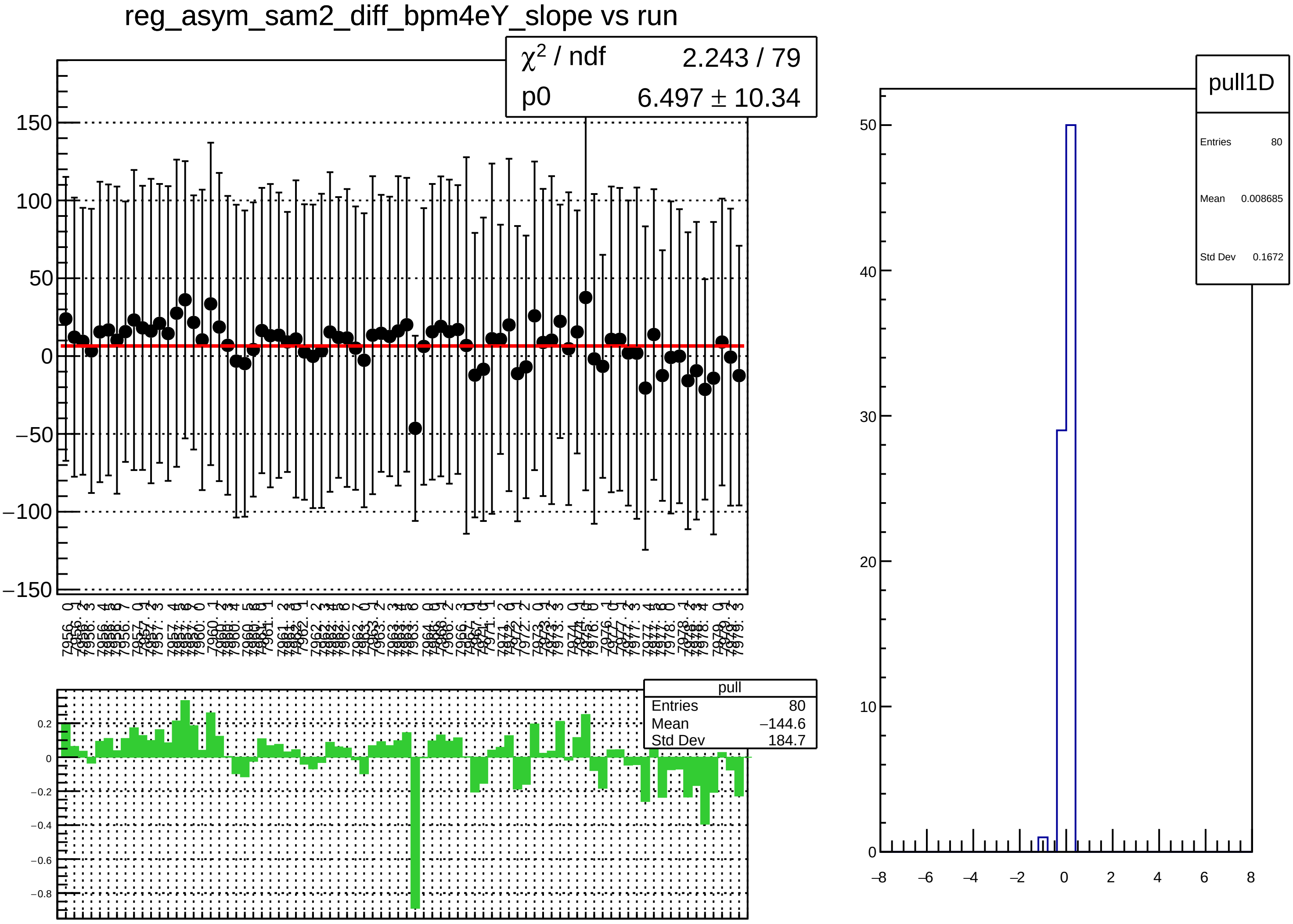
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 4.431 / 79
p0 −119.4 ± 8.74
pull
Entries 80
Mean 1016
Std Dev 1004
pull1D
Entries 80
Mean −0.0009069
Std Dev 0.2353



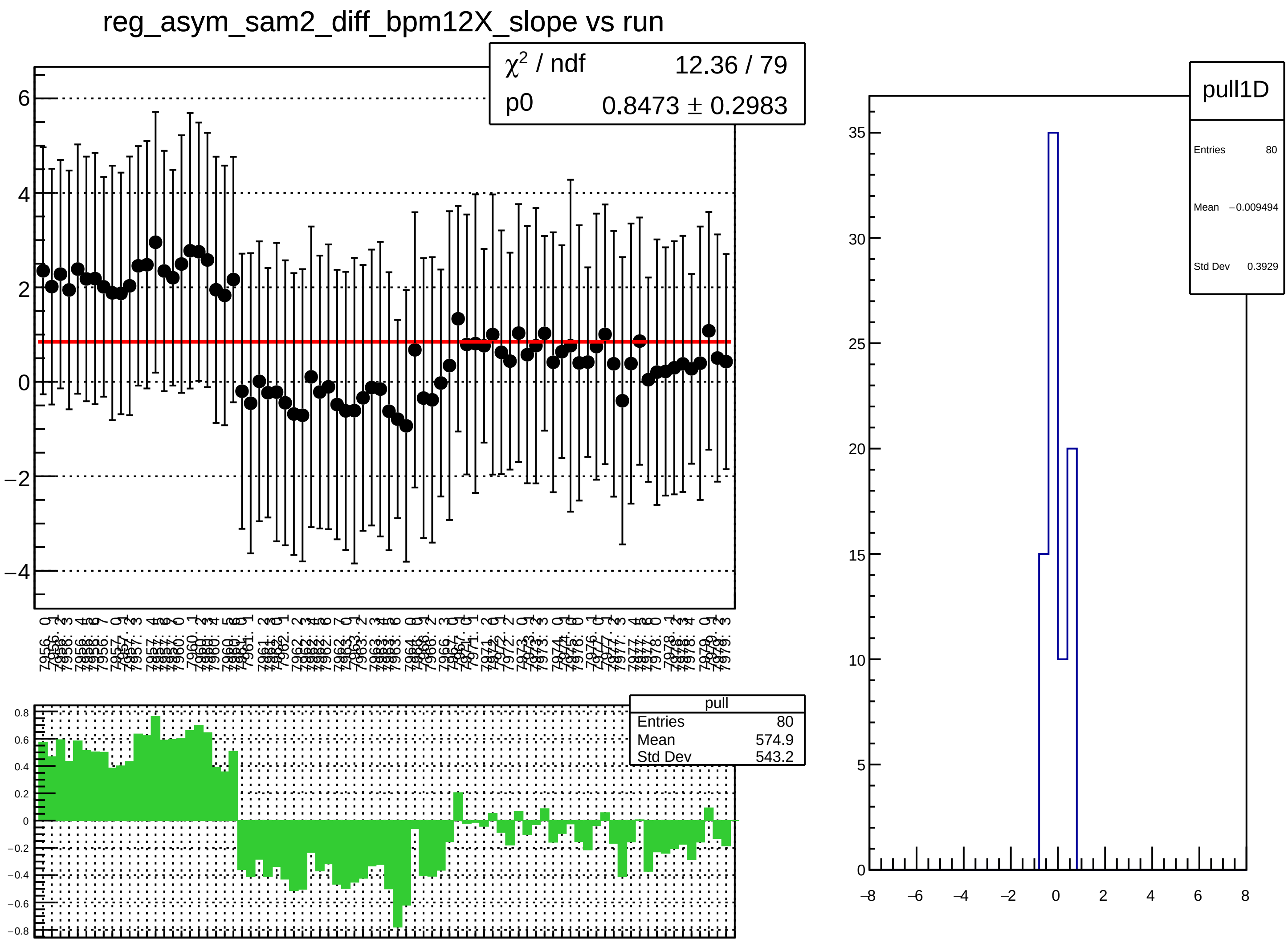
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 2.176 / 79
p0 −178.5 ± 9.029
pull
Entries 80
Mean −22.13
Std Dev 67.81
pull1D
Entries 80
Mean −0.01036
Std Dev 0.1646



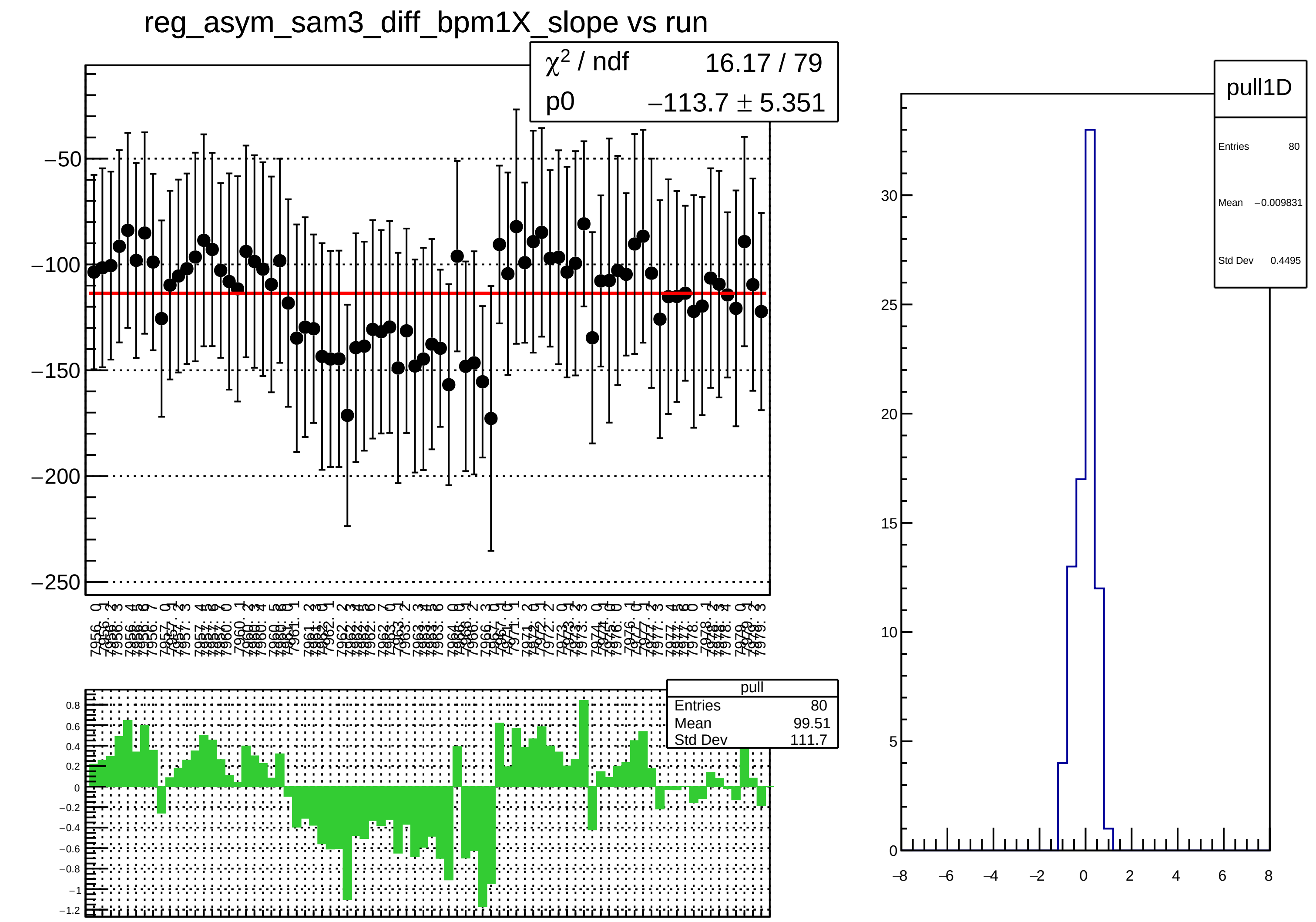
reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 1.738 / 79
p0 −113.7 ± 7.738
pull
Entries 80
Mean 25.05
Std Dev 76.09
pull1D
Entries 80
Mean −0.002584
Std Dev 0.1474

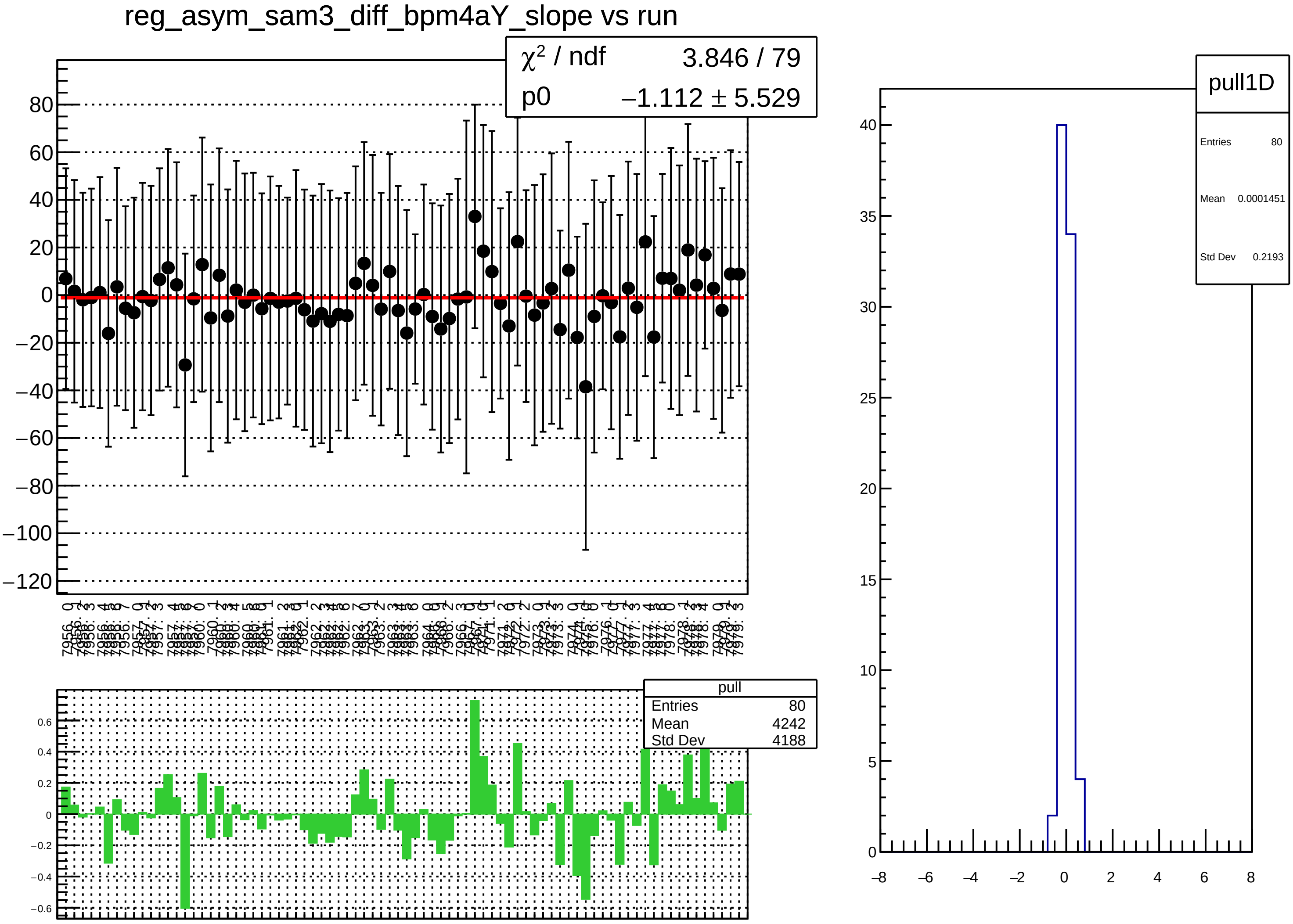


reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 2.243 / 79
p0 6.497 ± 10.34
pull
Entries 80
Mean −144.6
Std Dev 184.7
pull1D
Entries 80
Mean 0.008685
Std Dev 0.1672

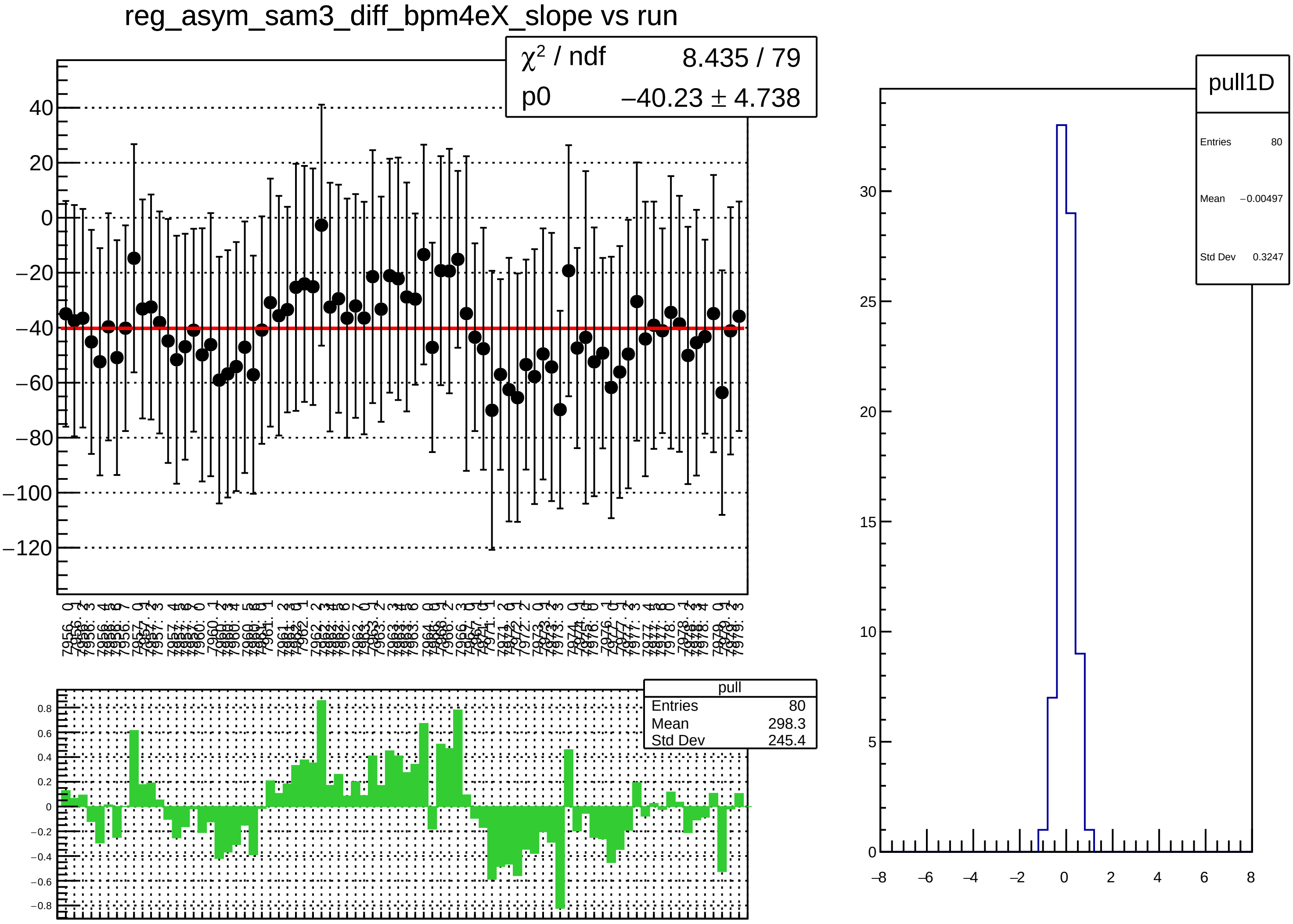


reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 12.36 / 79
p0 0.8473 ± 0.2983
pull
Entries 80
Mean 574.9
Std Dev 543.2
pull1D
Entries 80
Mean −0.009494
Std Dev 0.3929

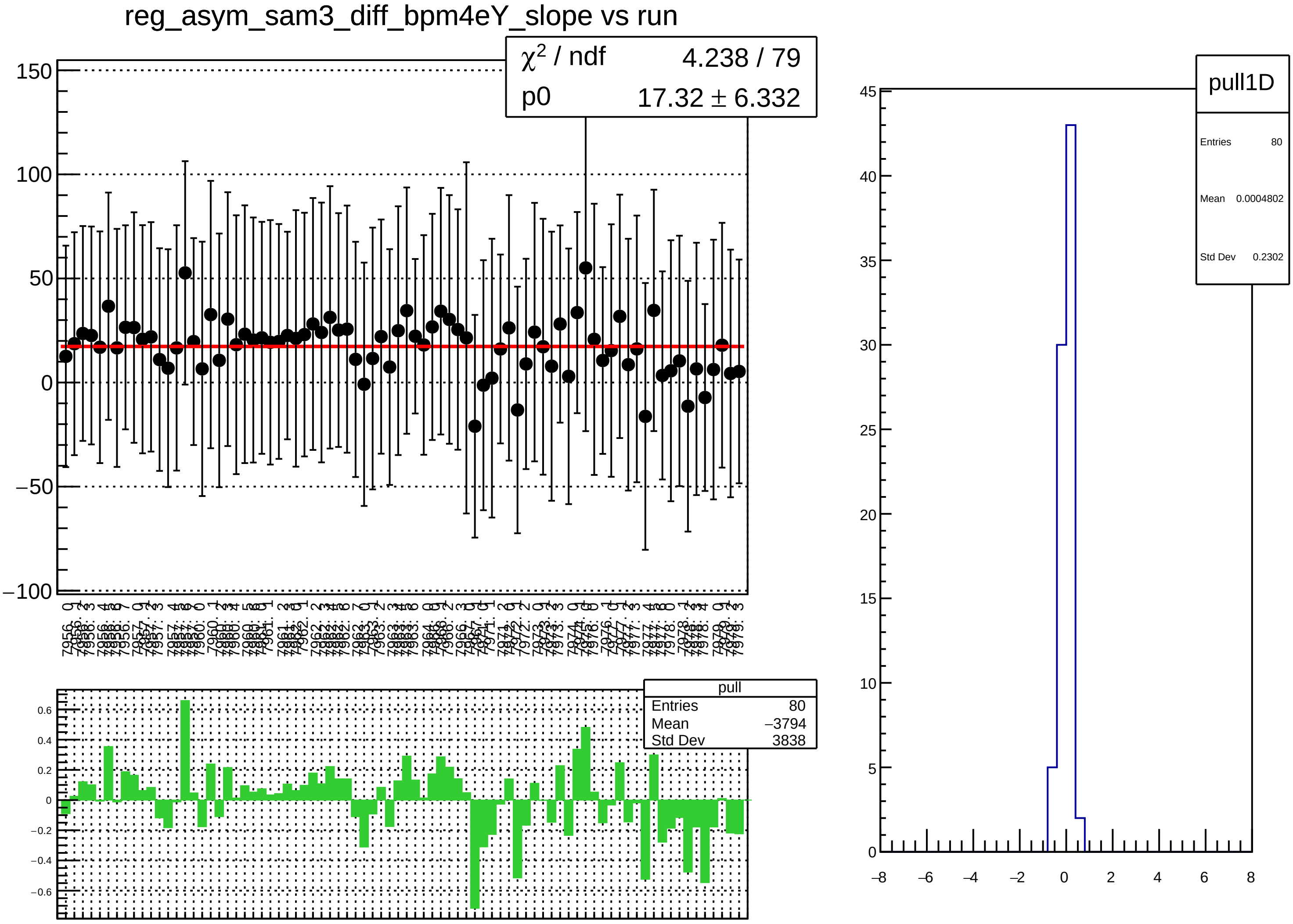

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 16.17 / 79
p0 −113.7 ± 5.351
pull
Entries 80
Mean 99.51
Std Dev 111.7
pull1D
Entries 80
Mean −0.009831
Std Dev 0.4495



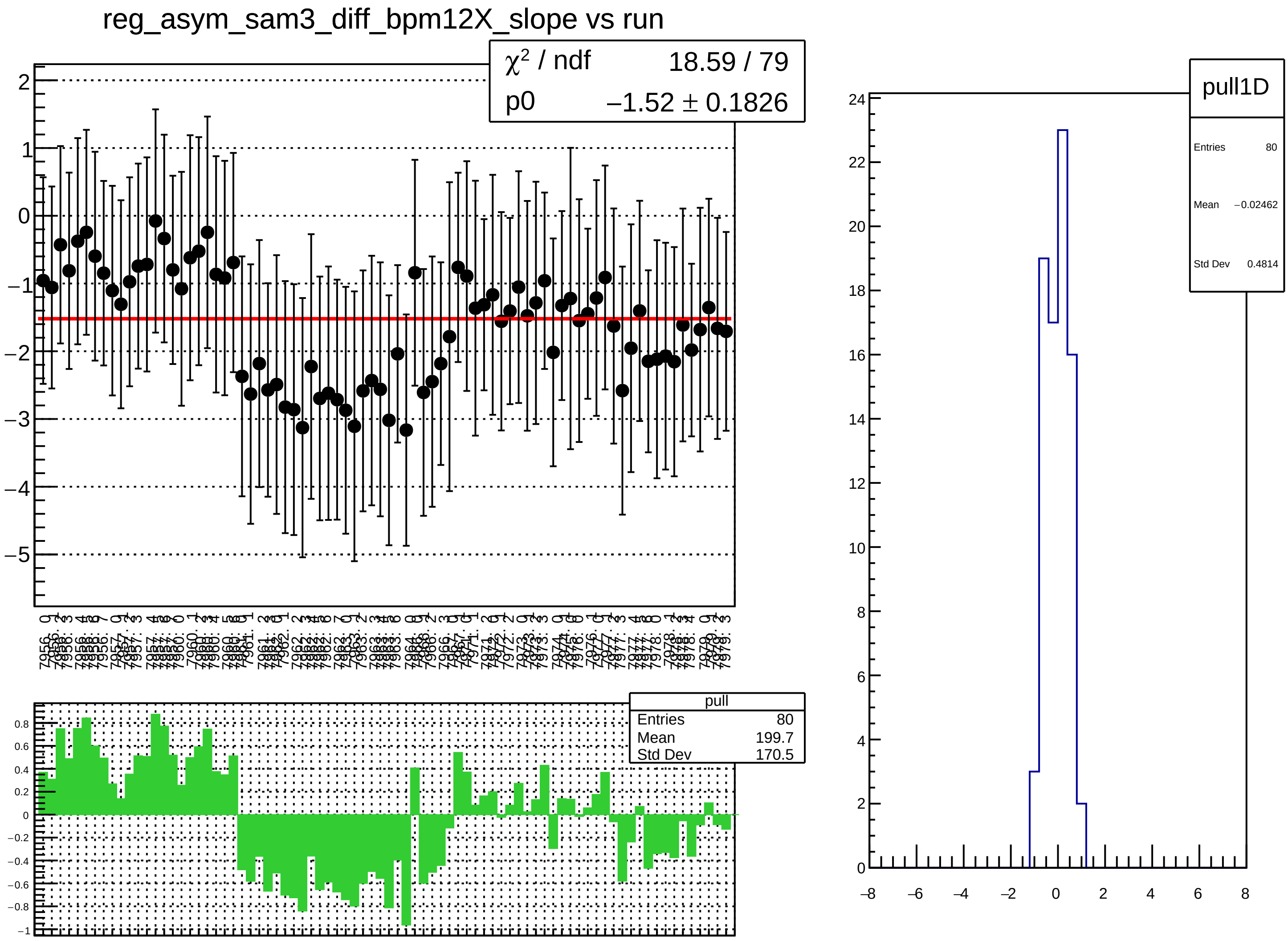
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 3.846 / 79
p0 −1.112 ± 5.529
pull
Entries 80
Mean 4242
Std Dev 4188
pull1D
Entries 80
Mean 0.0001451
Std Dev 0.2193



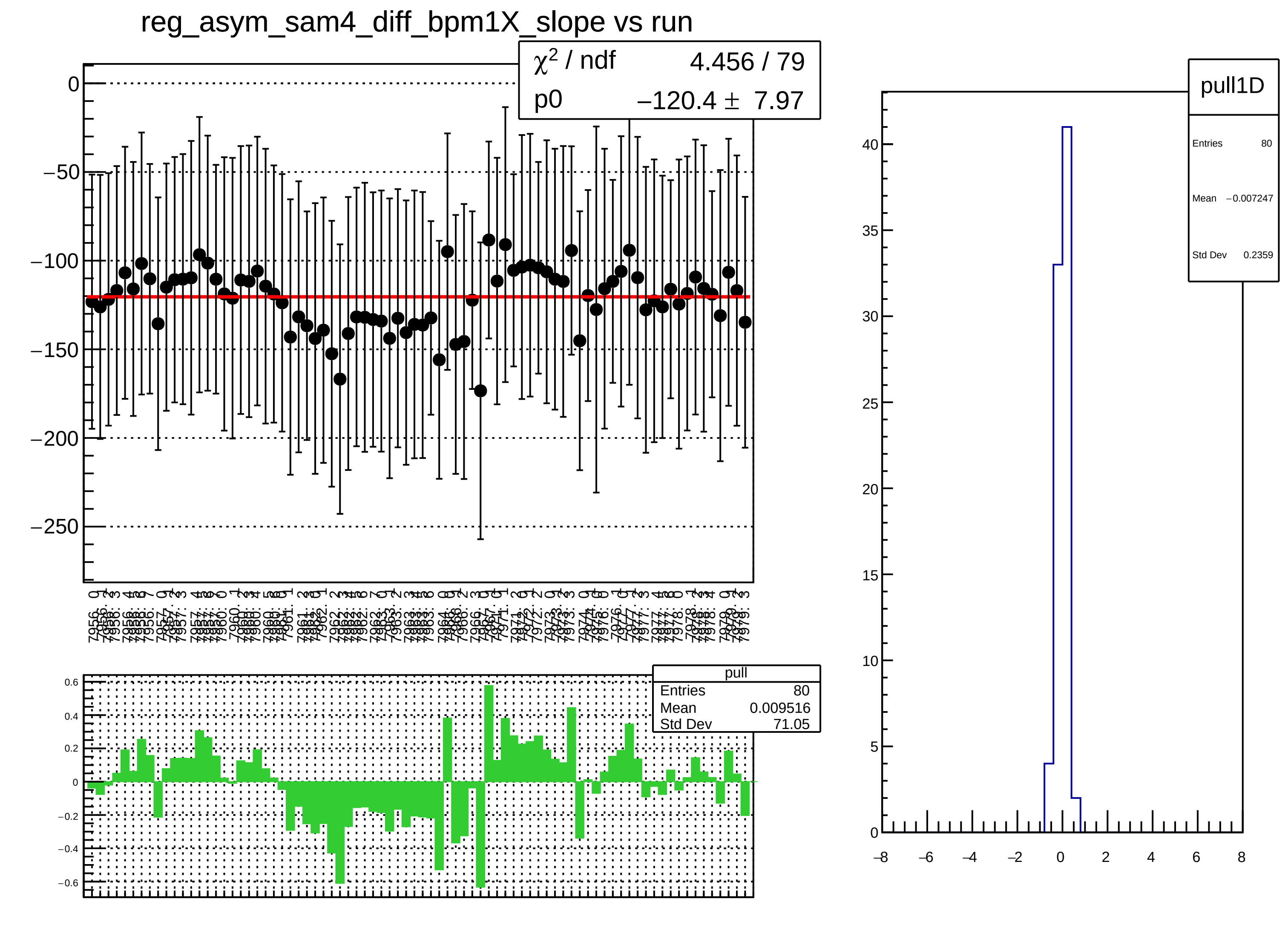
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 8.435 / 79
p0 −40.23 ± 4.738
pull
Entries 80
Mean 298.3
Std Dev 245.4
pull1D
Entries 80
Mean −0.00497
Std Dev 0.3247



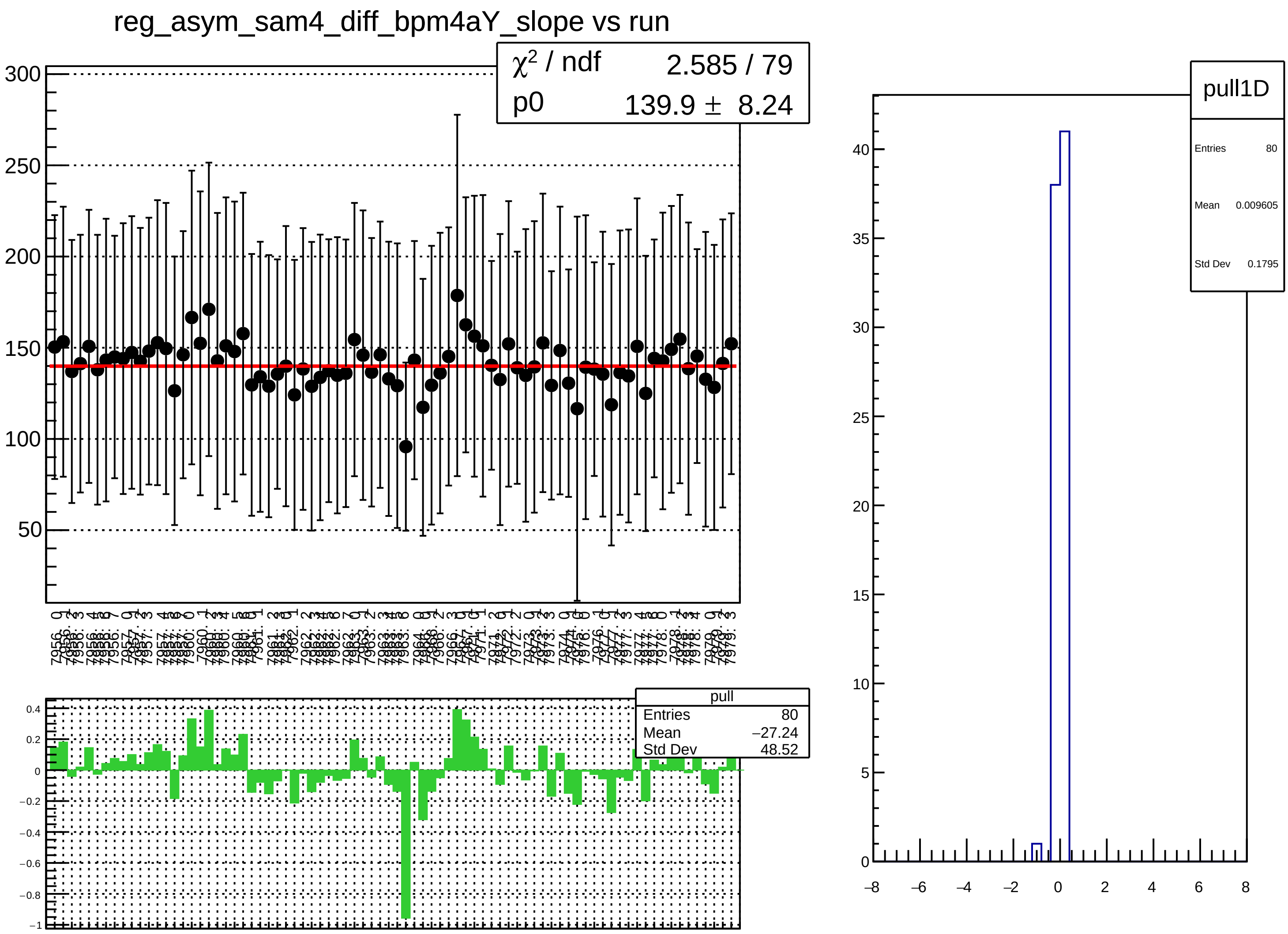
reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 4.238 / 79
p0 17.32 ± 6.332
pull
Entries 80
Mean −3794
Std Dev 3838
pull1D
Entries 80
Mean 0.0004802
Std Dev 0.2302



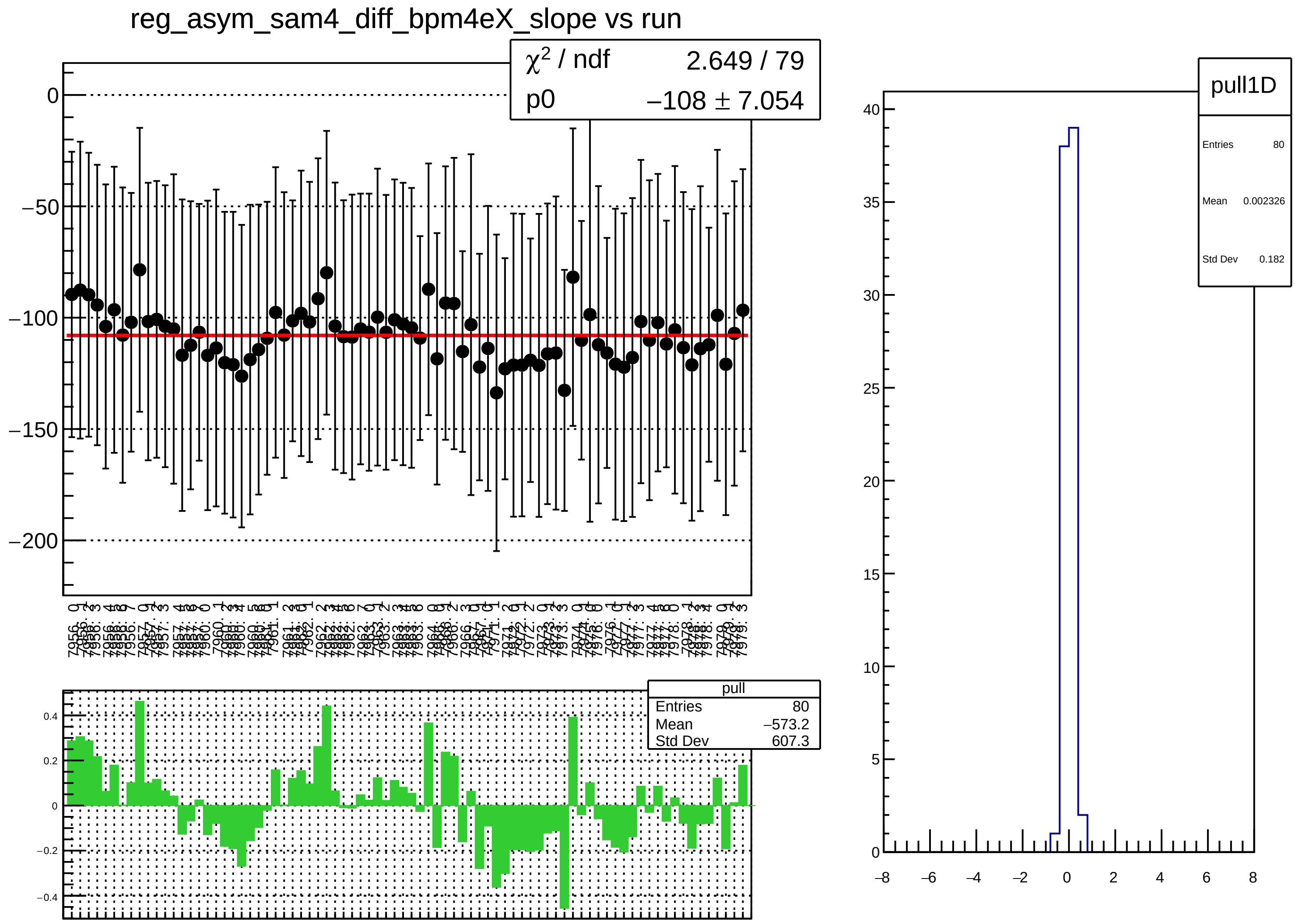
reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 18.59 / 79
p0 −1.52 ± 0.1826
pull
Entries 80
Mean 199.7
Std Dev 170.5
pull1D
Entries 80
Mean −0.02462
Std Dev 0.4814



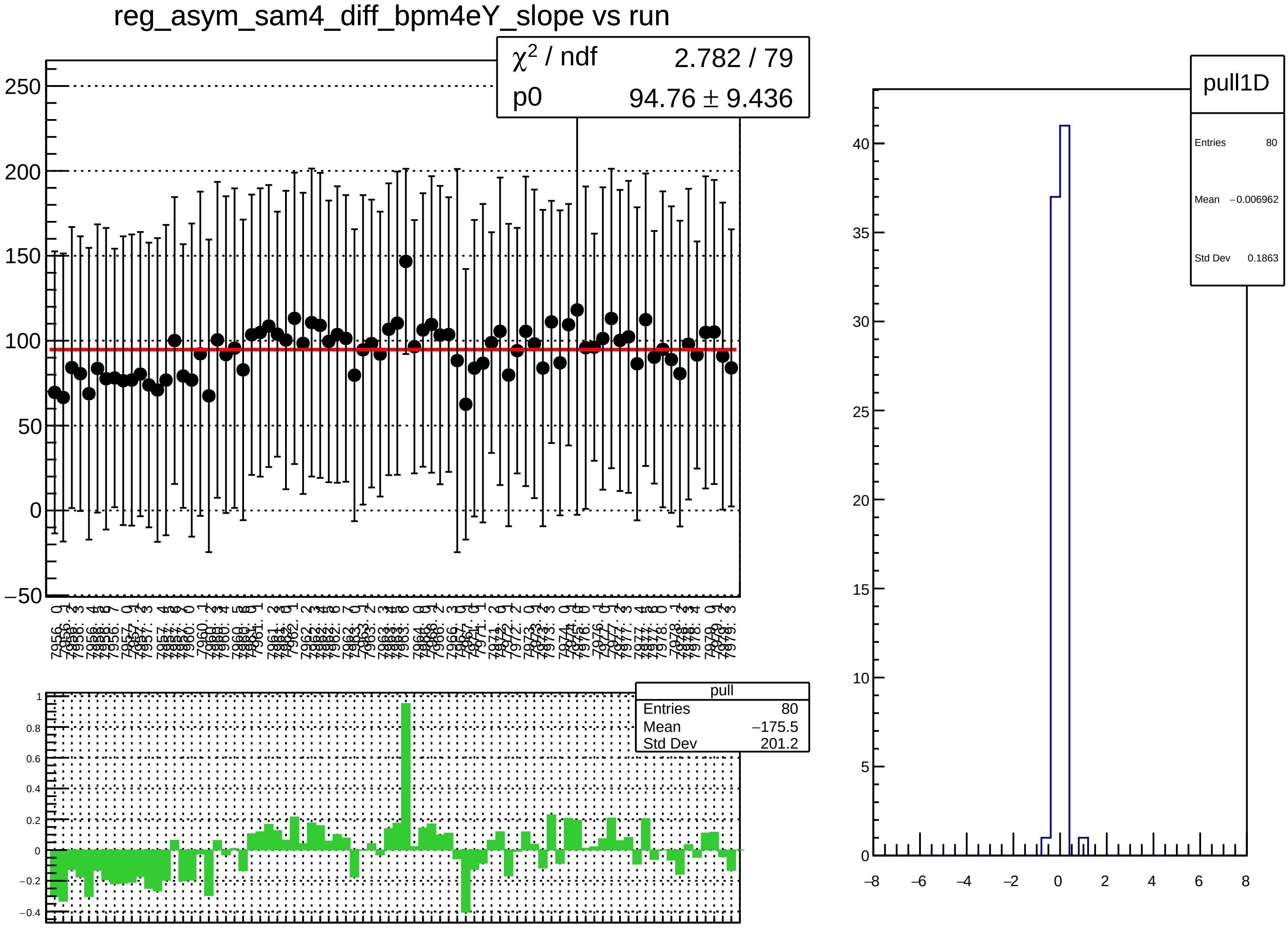
reg_asym_sam4_diff_bpm1X_slope vs run
χ2 / ndf 4.456 / 79
p0 −120.4 ± 7.97
pull
Entries 80
Mean 0.009516
Std Dev 71.05
pull1D
Entries 80
Mean −0.007247
Std Dev 0.2359



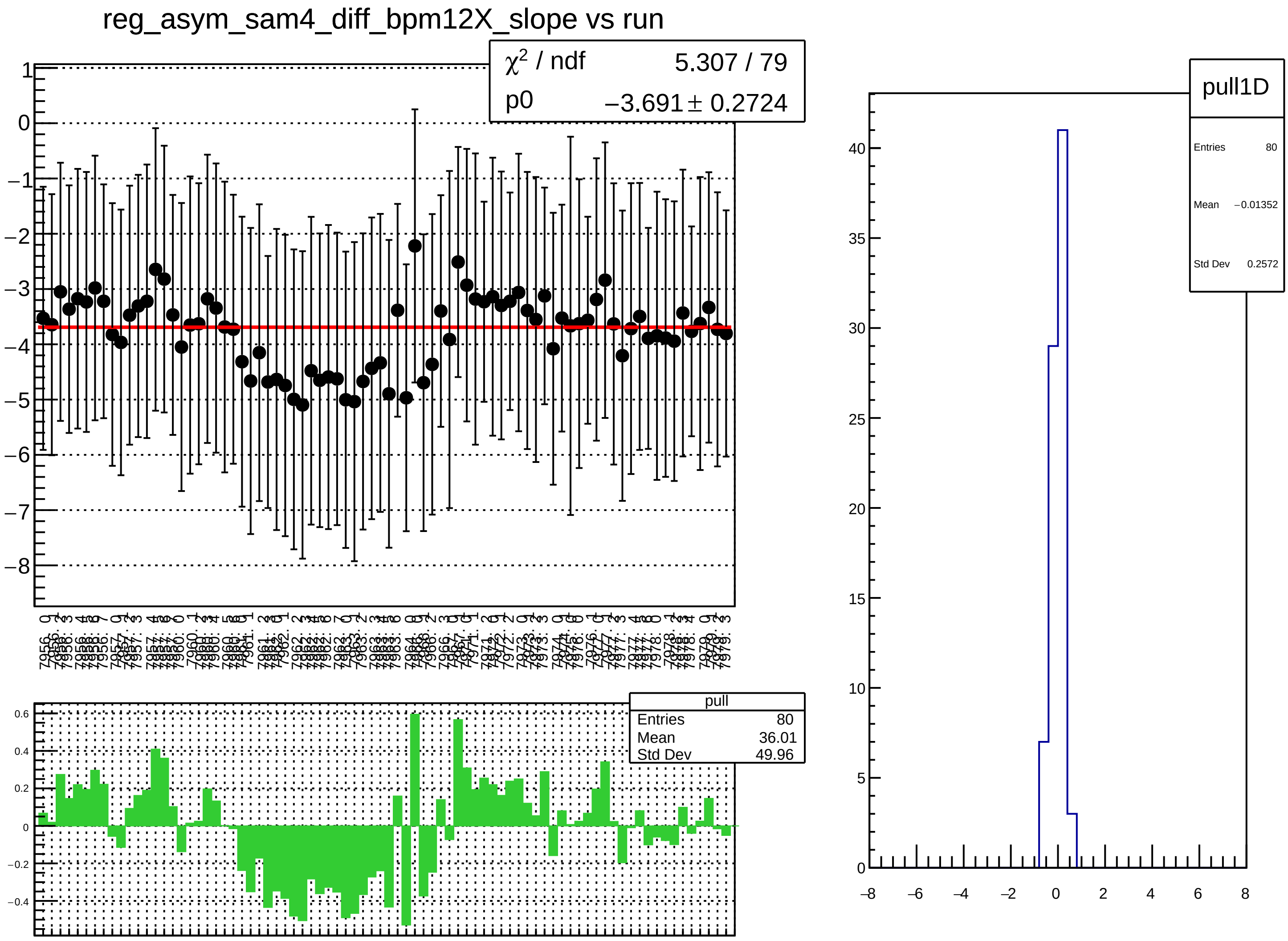
reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 2.585 / 79
p0 139.9 ± 8.24
pull
Entries 80
Mean −27.24
Std Dev 48.52
pull1D
Entries 80
Mean 0.009605
Std Dev 0.1795



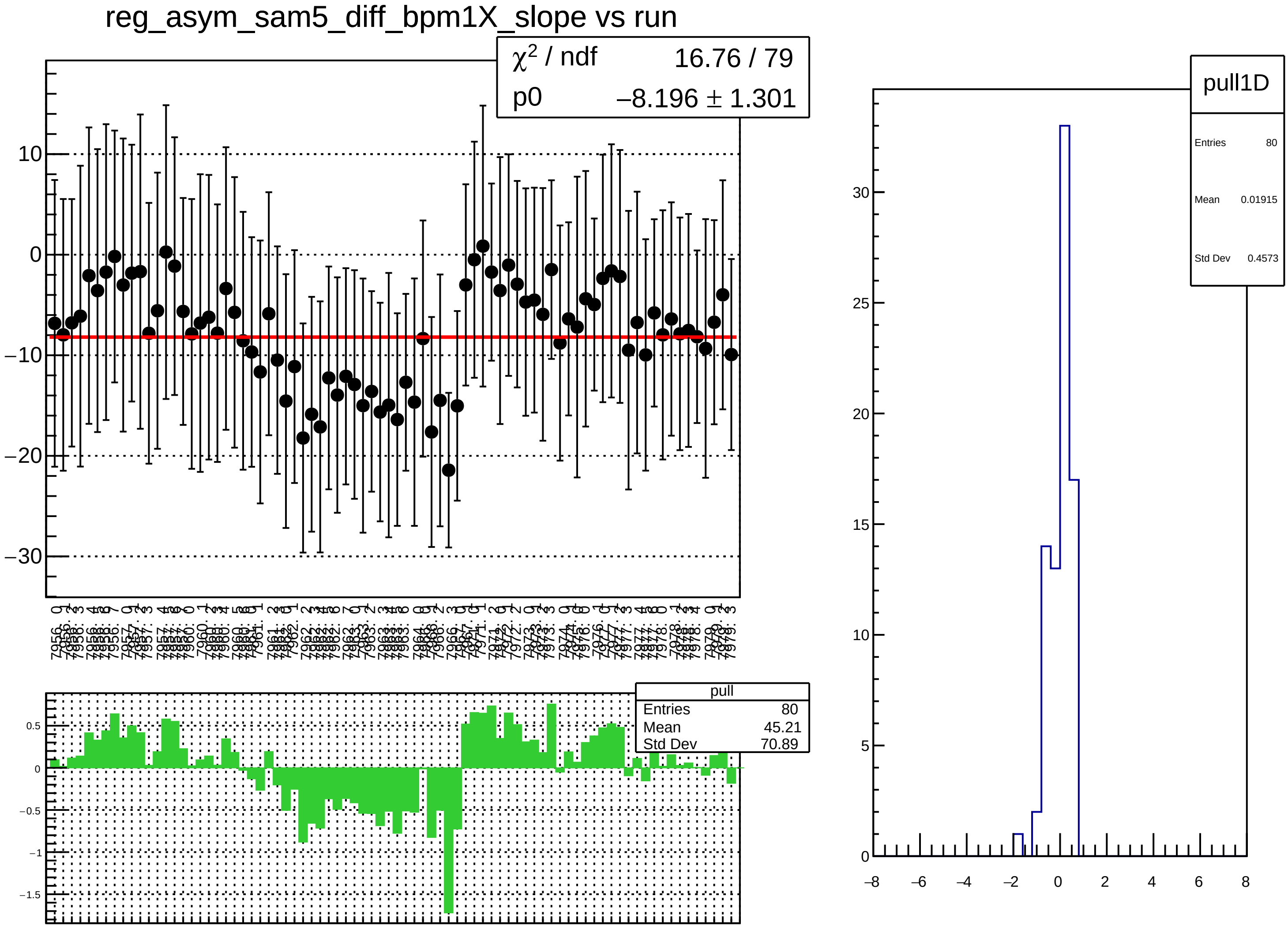
reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 2.649 / 79
p0 −108 ± 7.054
pull
Entries 80
Mean −573.2
Std Dev 607.3
pull1D
Entries 80
Mean 0.002326
Std Dev 0.182

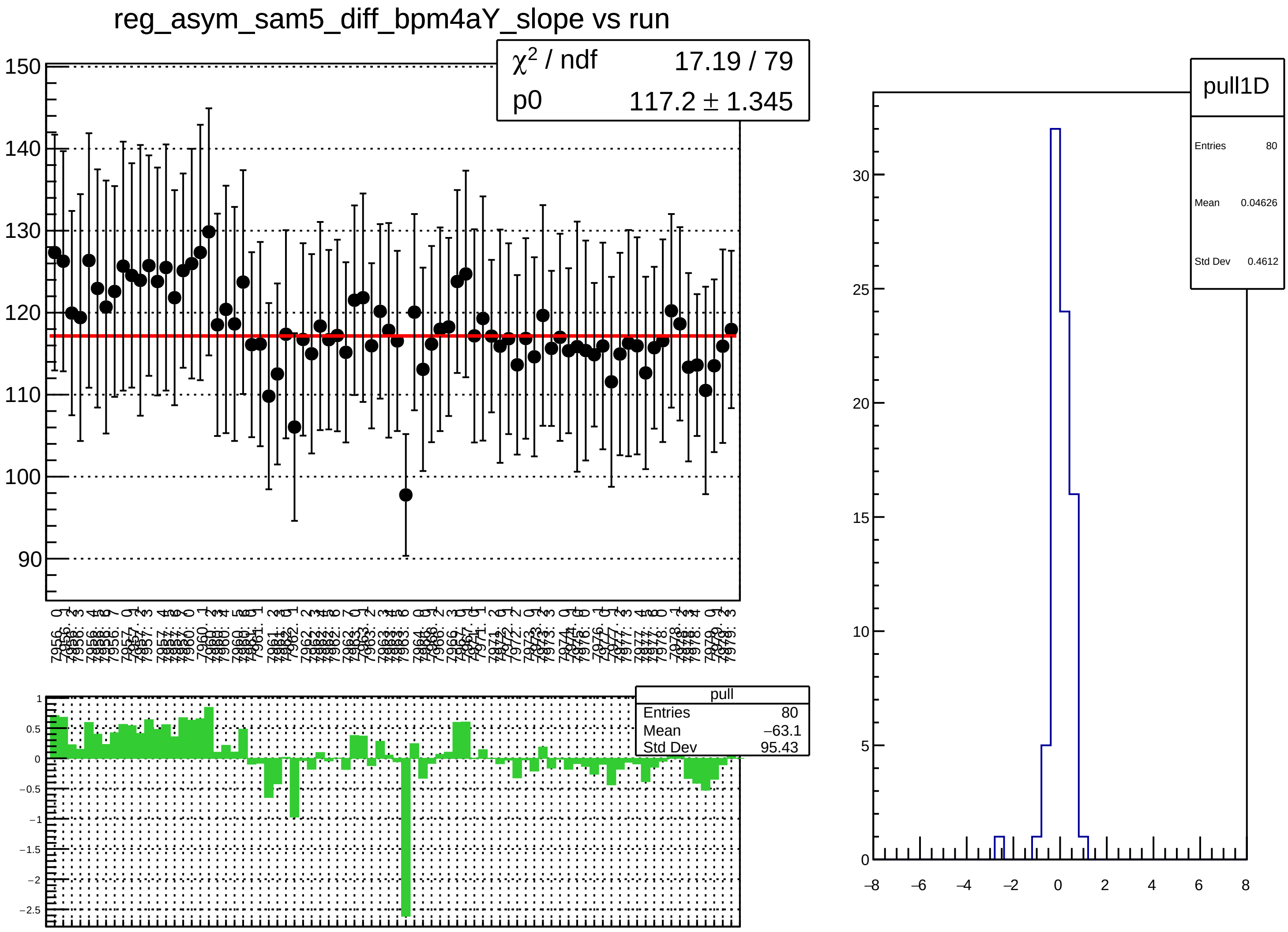


reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 2.782 / 79
p0 94.76 ± 9.436
pull
Entries 80
Mean −175.5
Std Dev 201.2
pull1D
Entries 80
Mean −0.006962
Std Dev 0.1863

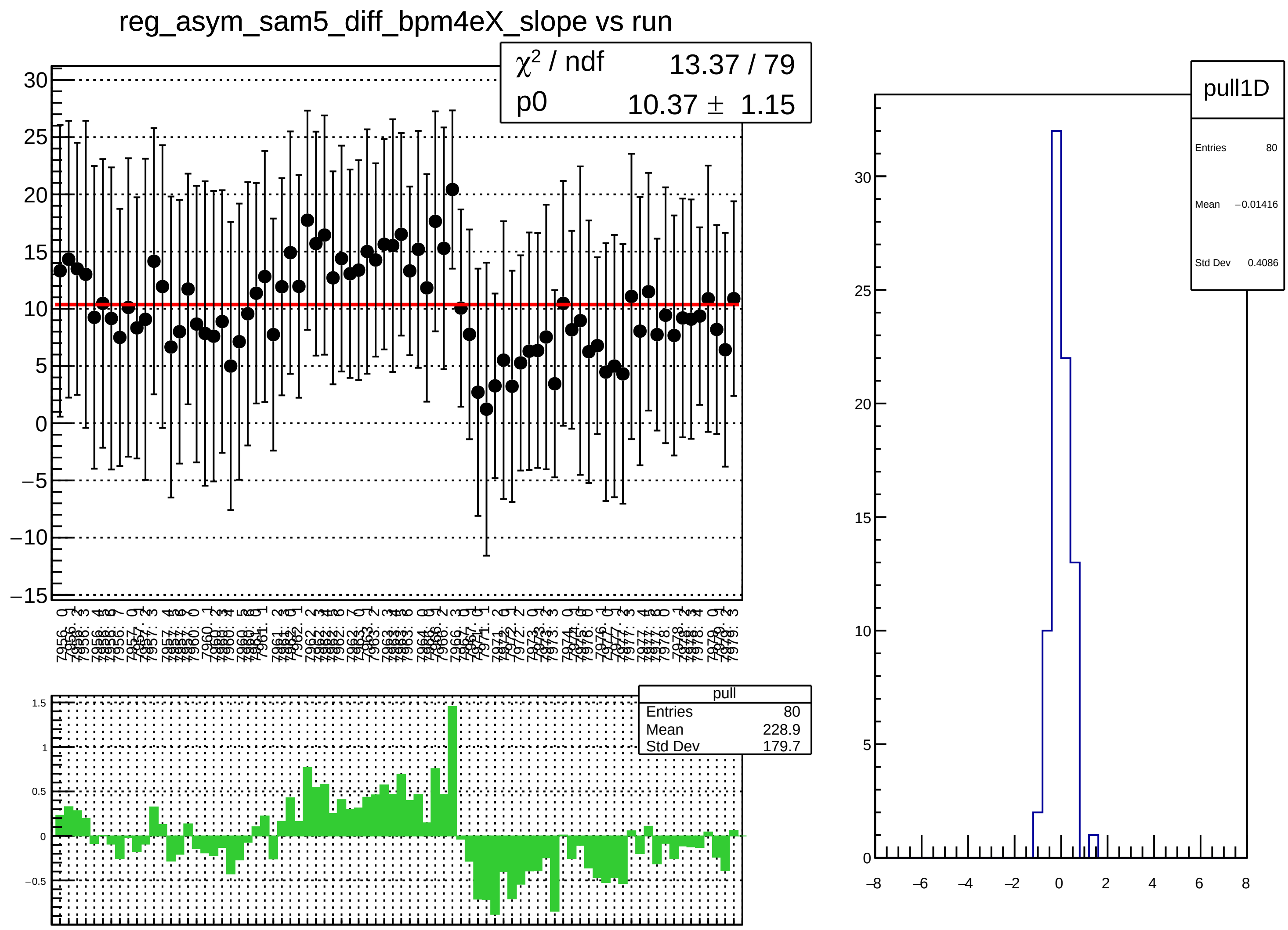


reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 5.307 / 79
p0 −3.691 ± 0.2724
pull
Entries 80
Mean 36.01
Std Dev 49.96
pull1D
Entries 80
Mean −0.01352
Std Dev 0.2572

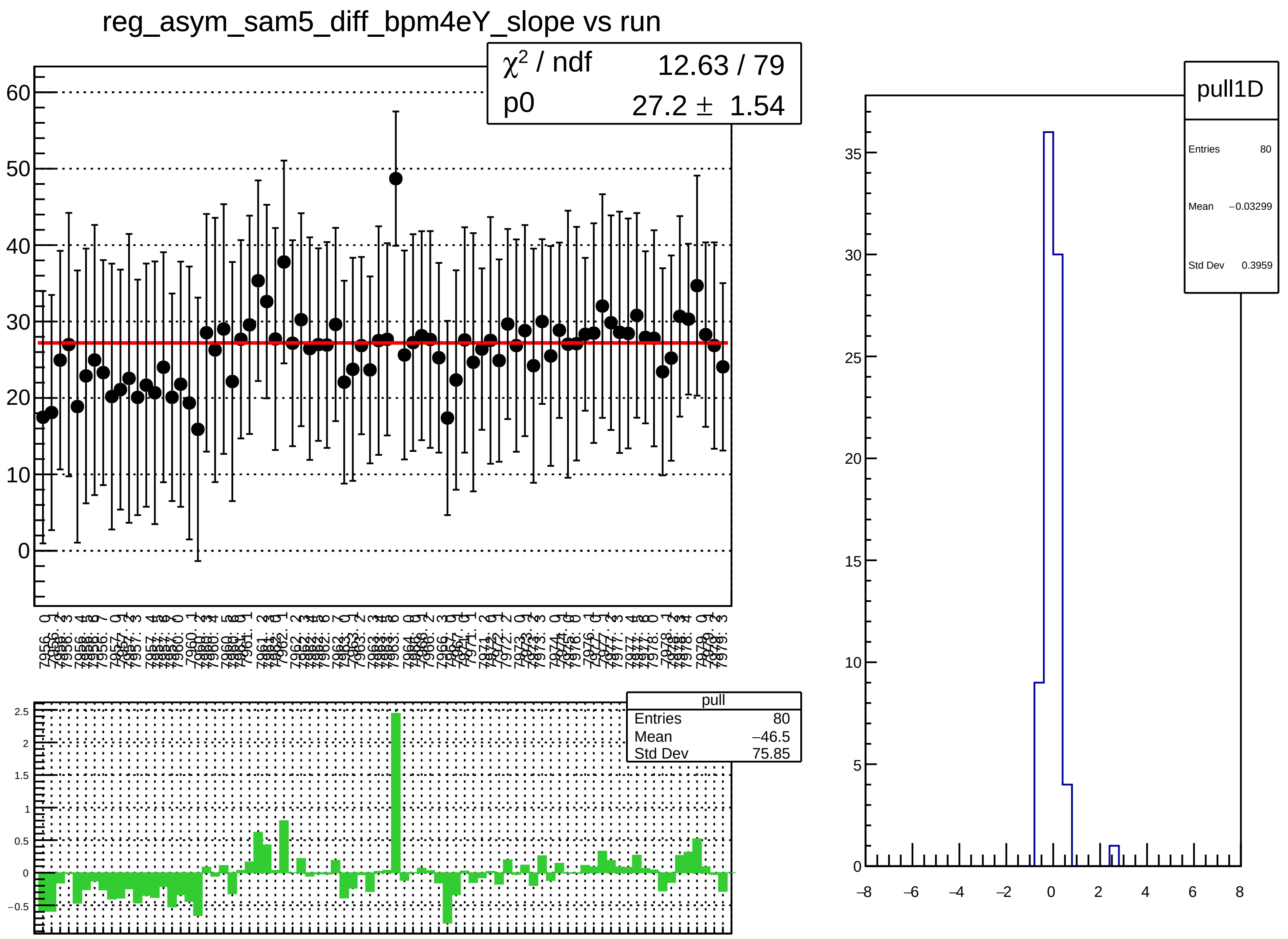

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 16.76 / 79
p0 −8.196 ± 1.301
pull
Entries 80
Mean 45.21
Std Dev 70.89
pull1D
Entries 80
Mean 0.01915
Std Dev 0.4573



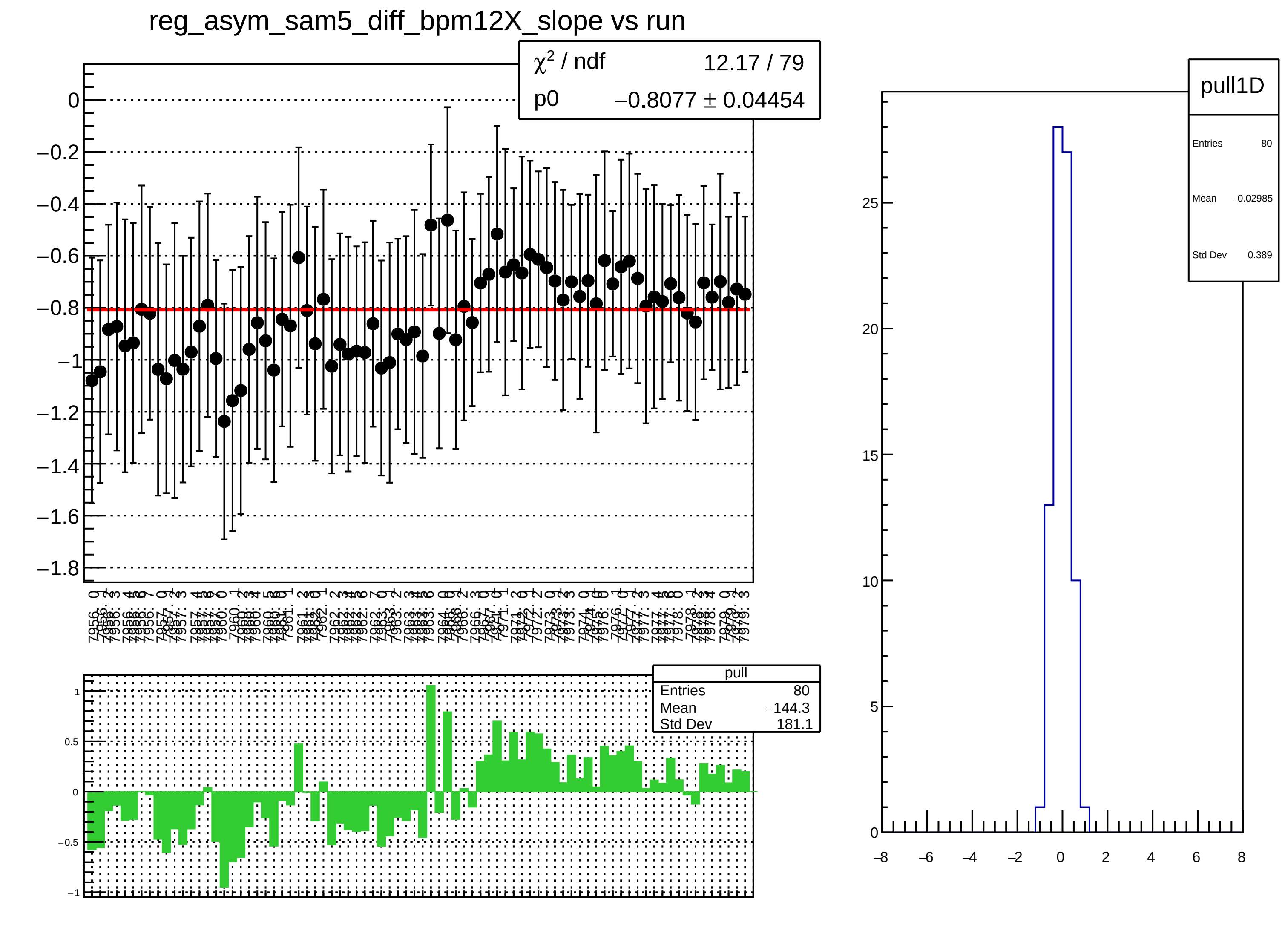
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 17.19 / 79
p0 117.2 ± 1.345
pull
Entries 80
Mean −63.1
Std Dev 95.43
pull1D
Entries 80
Mean 0.04626
Std Dev 0.4612



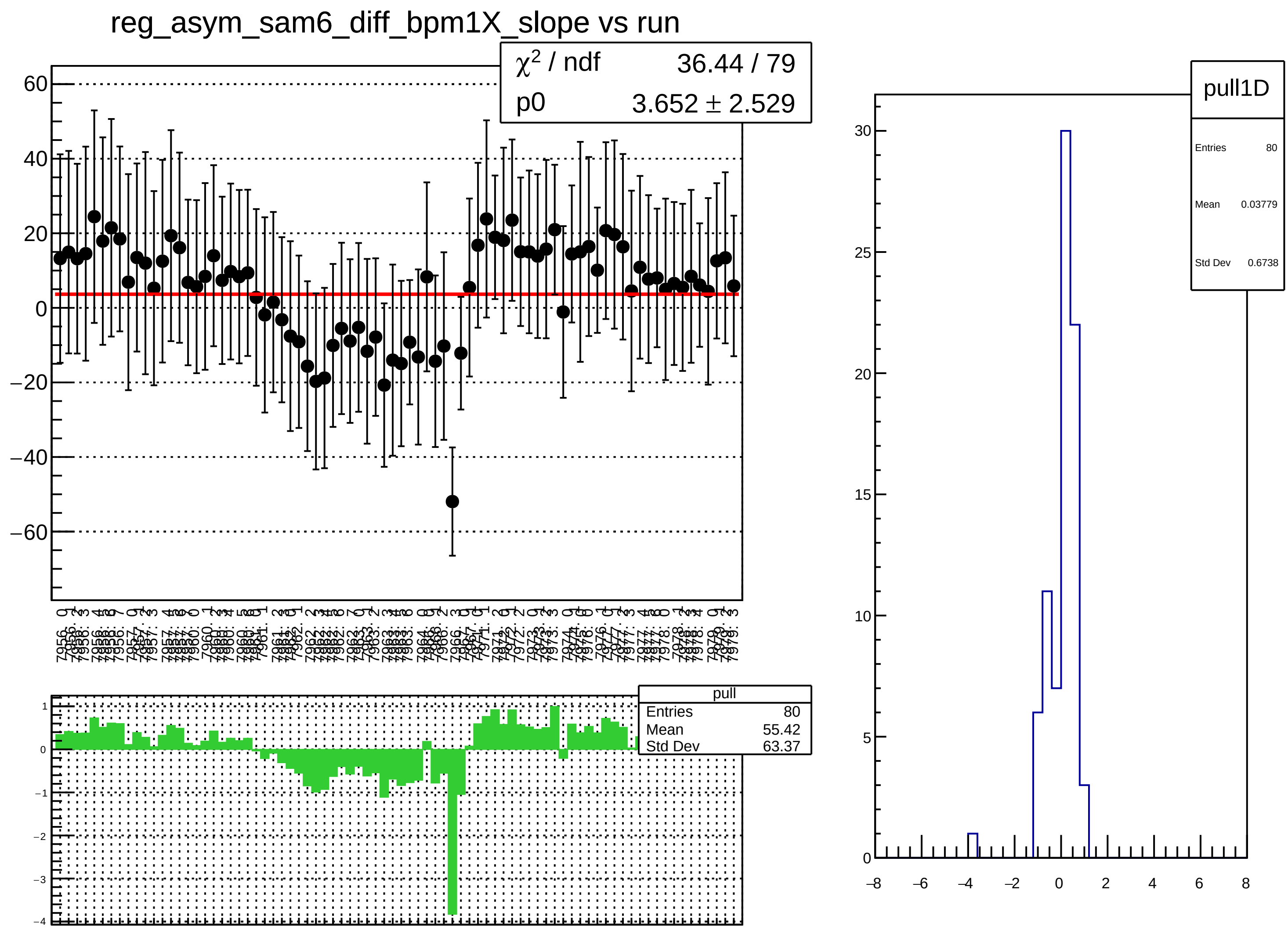
reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 13.37 / 79
p0 10.37 ± 1.15
pull
Entries 80
Mean 228.9
Std Dev 179.7
pull1D
Entries 80
Mean −0.01416
Std Dev 0.4086

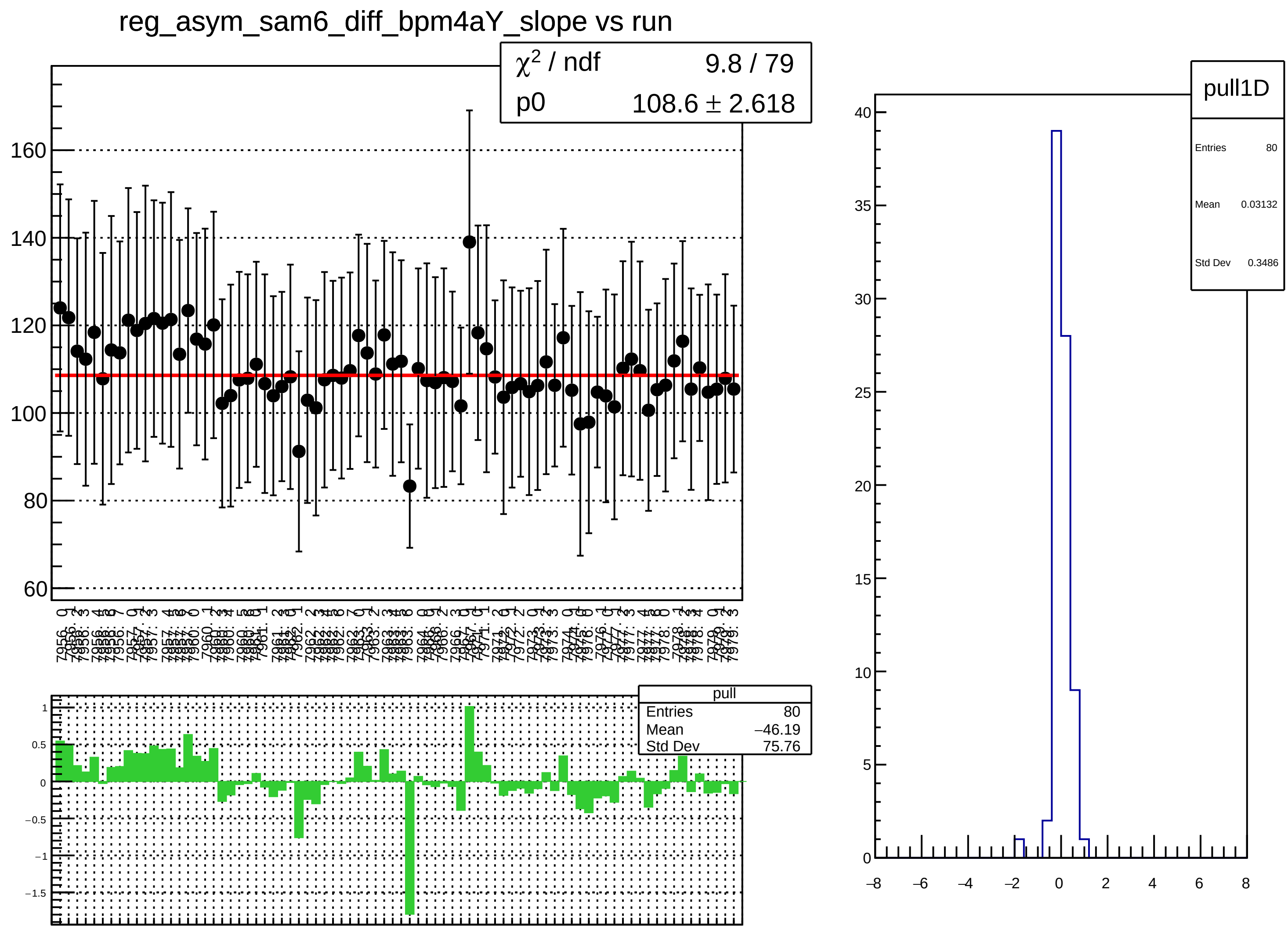


reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 12.63 / 79
p0 27.2 ± 1.54
pull
Entries 80
Mean −46.5
Std Dev 75.85
pull1D
Entries 80
Mean −0.03299
Std Dev 0.3959

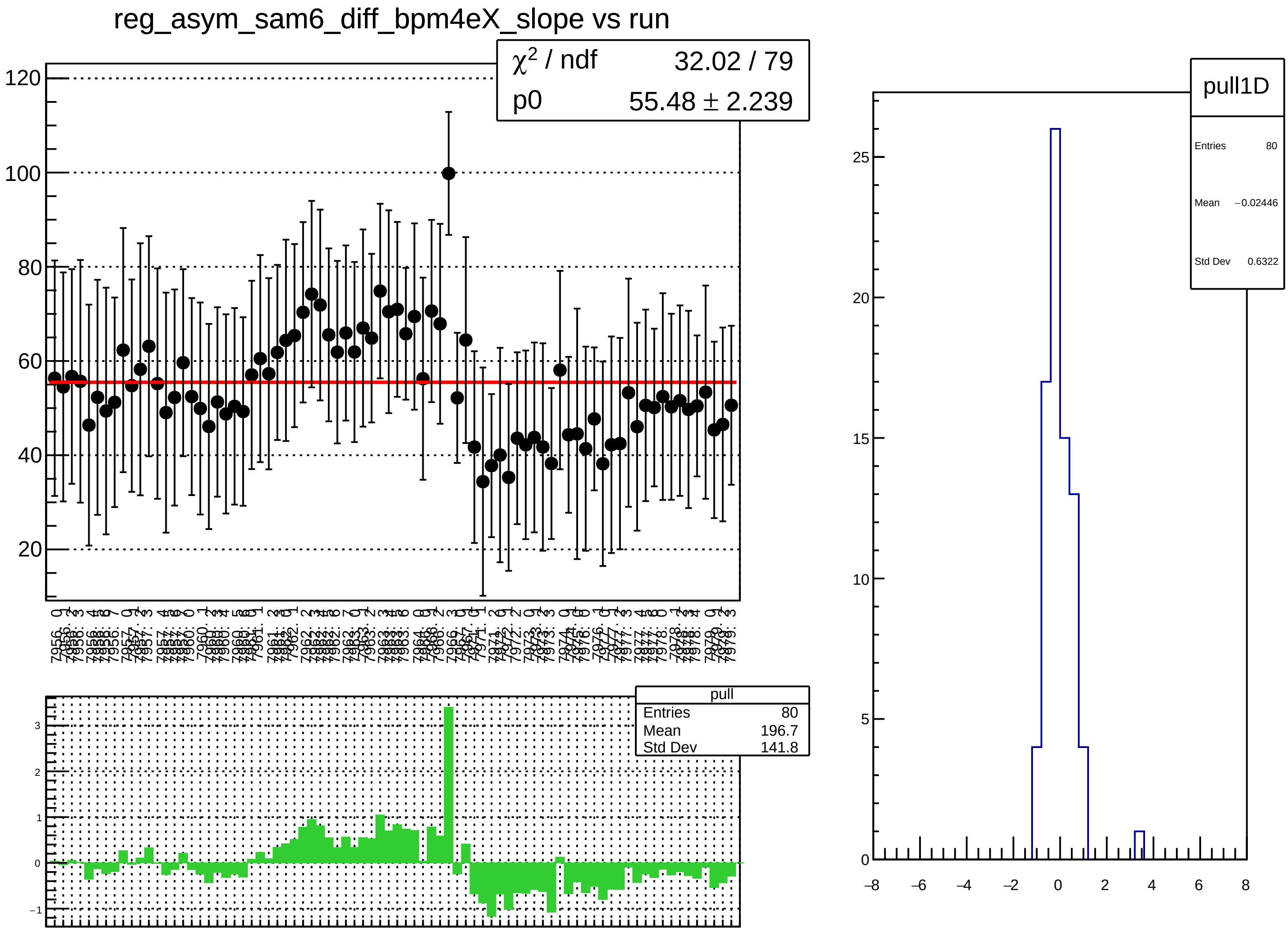


reg_asym_sam5_diff_bpm12X_slope vs run
χ2 / ndf 12.17 / 79
p0 −0.8077 ± 0.04454
pull
Entries 80
Mean −144.3
Std Dev 181.1
pull1D
Entries 80
Mean −0.02985
Std Dev 0.389

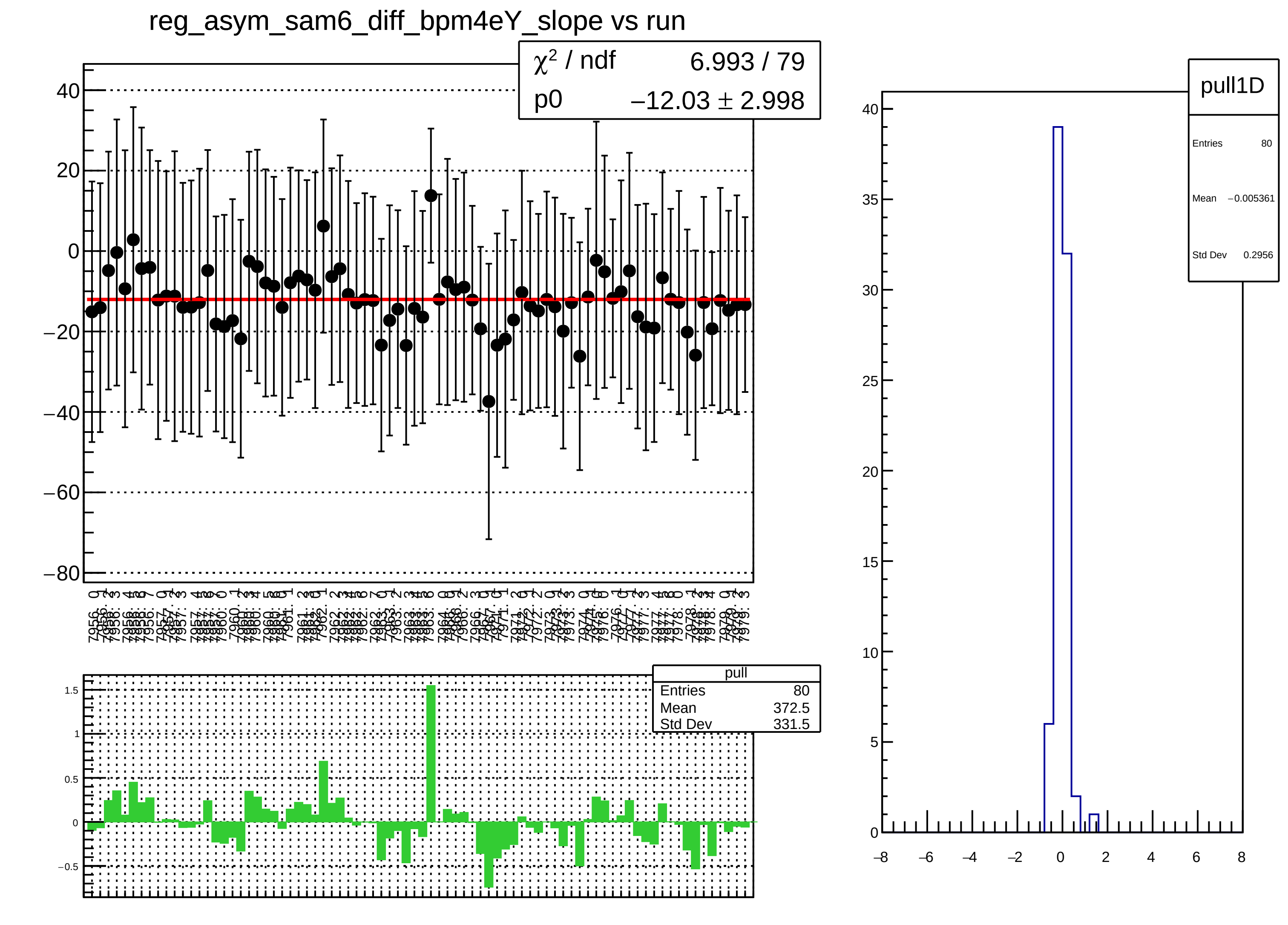

reg_asym_sam6_diff_bpm1X_slope vs run
χ2 / ndf 36.44 / 79
p0 3.652 ± 2.529
pull
Entries 80
Mean 55.42
Std Dev 63.37
pull1D
Entries 80
Mean 0.03779
Std Dev 0.6738



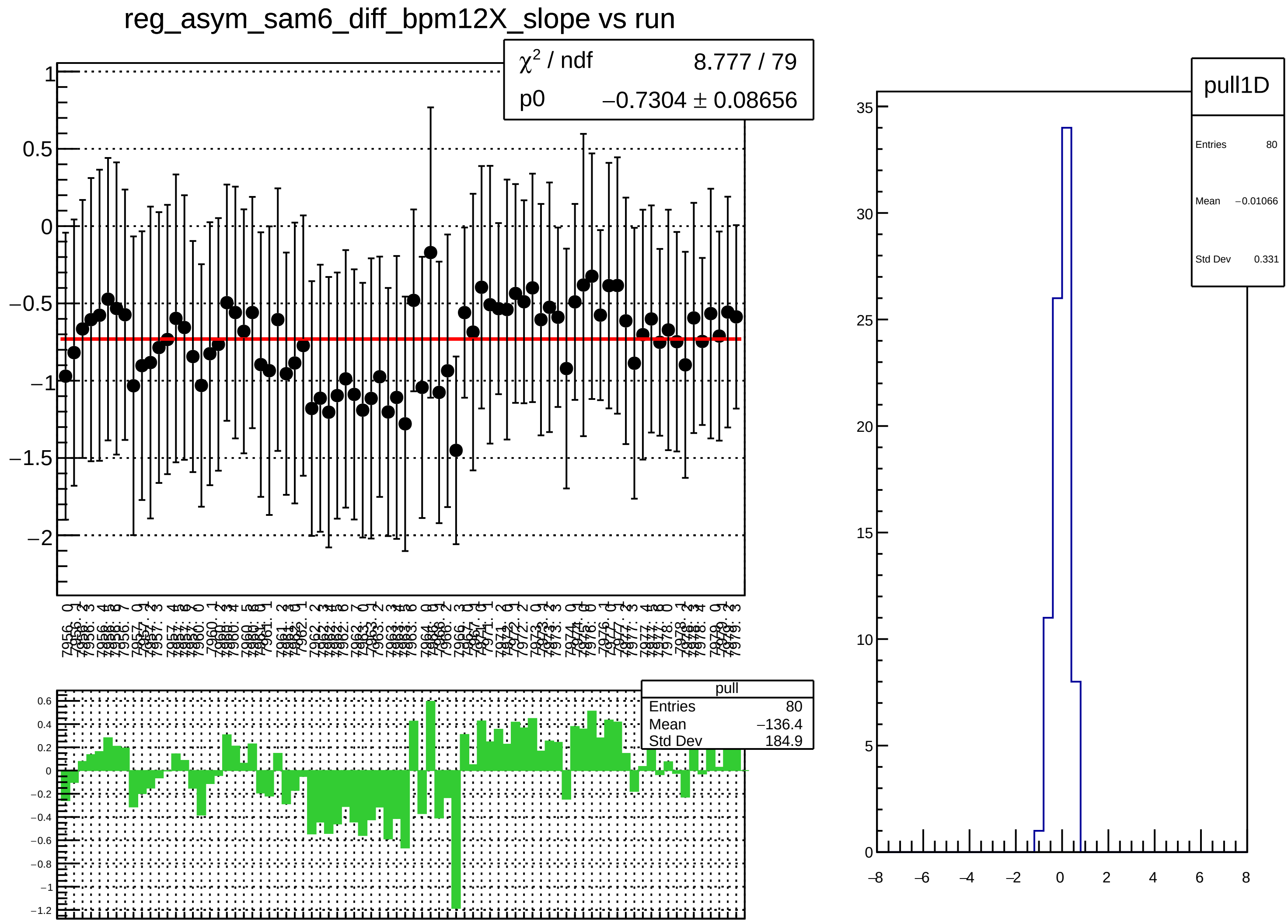
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 9.8 / 79
p0 108.6 ± 2.618
pull
Entries 80
Mean −46.19
Std Dev 75.76
pull1D
Entries 80
Mean 0.03132
Std Dev 0.3486



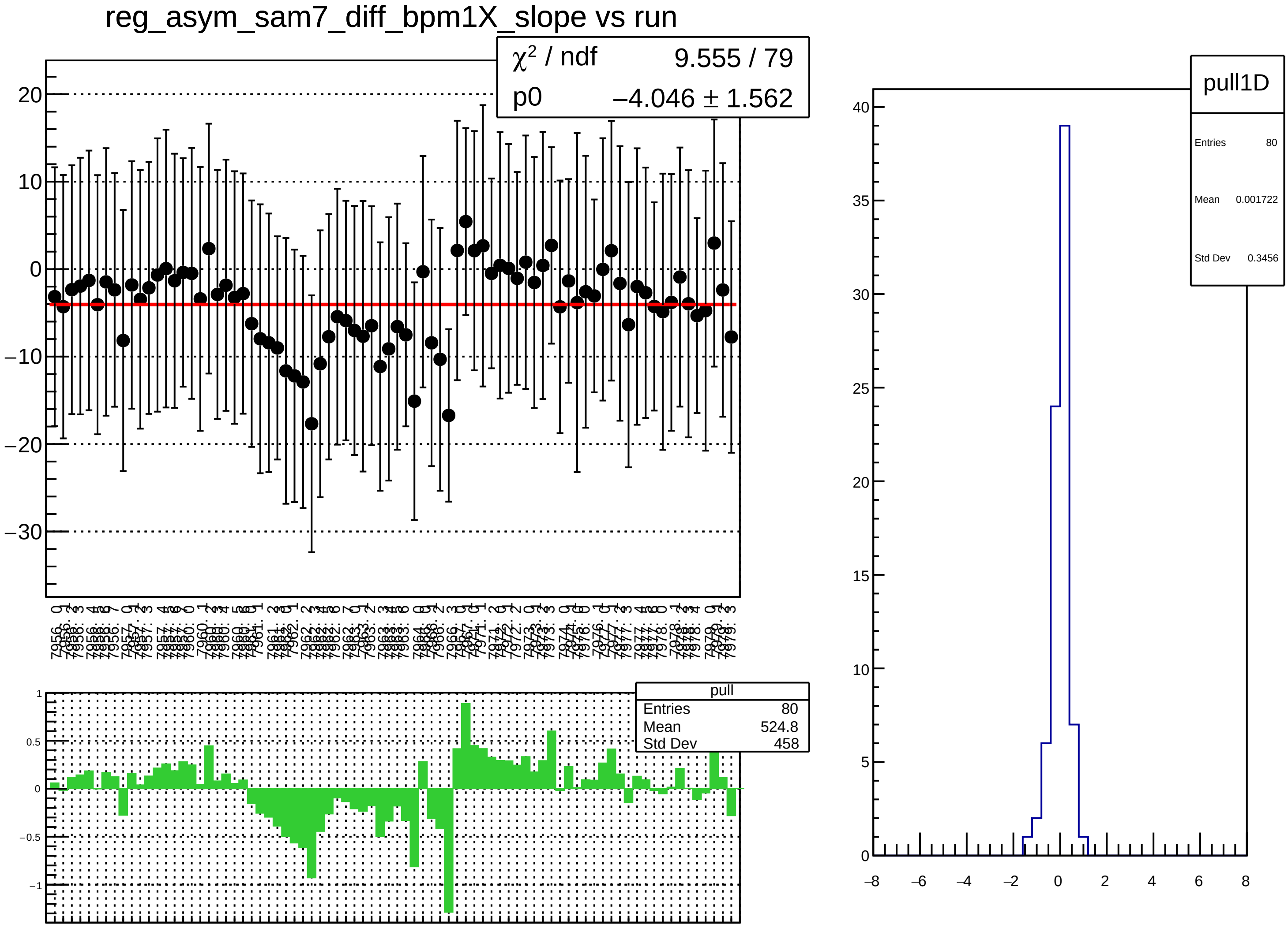
reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 32.02 / 79
p0 55.48 ± 2.239
pull
Entries 80
Mean 196.7
Std Dev 141.8
pull1D
Entries 80
Mean −0.02446
Std Dev 0.6322



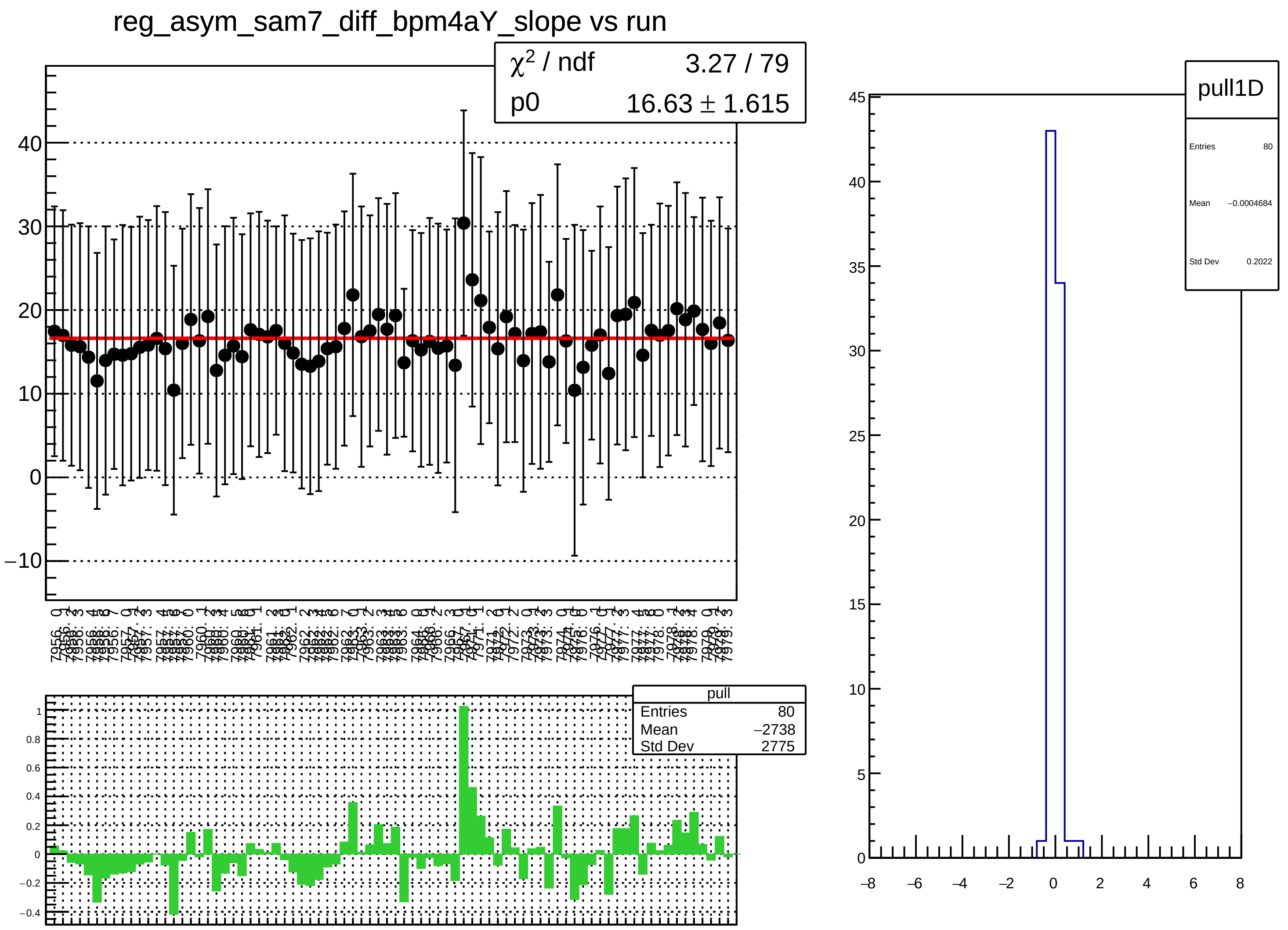
reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 6.993 / 79
p0 −12.03 ± 2.998
pull
Entries 80
Mean 372.5
Std Dev 331.5
pull1D
Entries 80
Mean −0.005361
Std Dev 0.2956

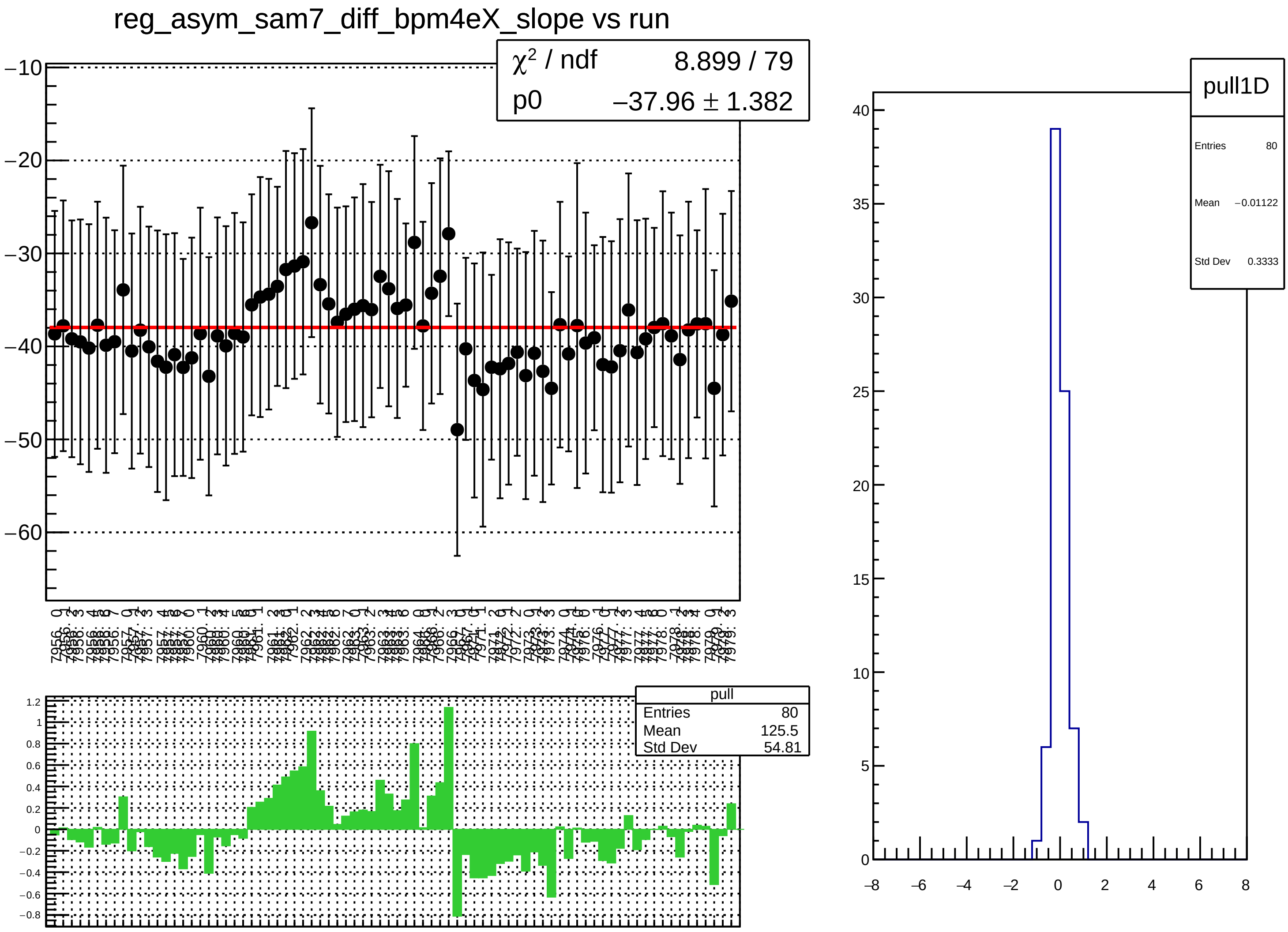


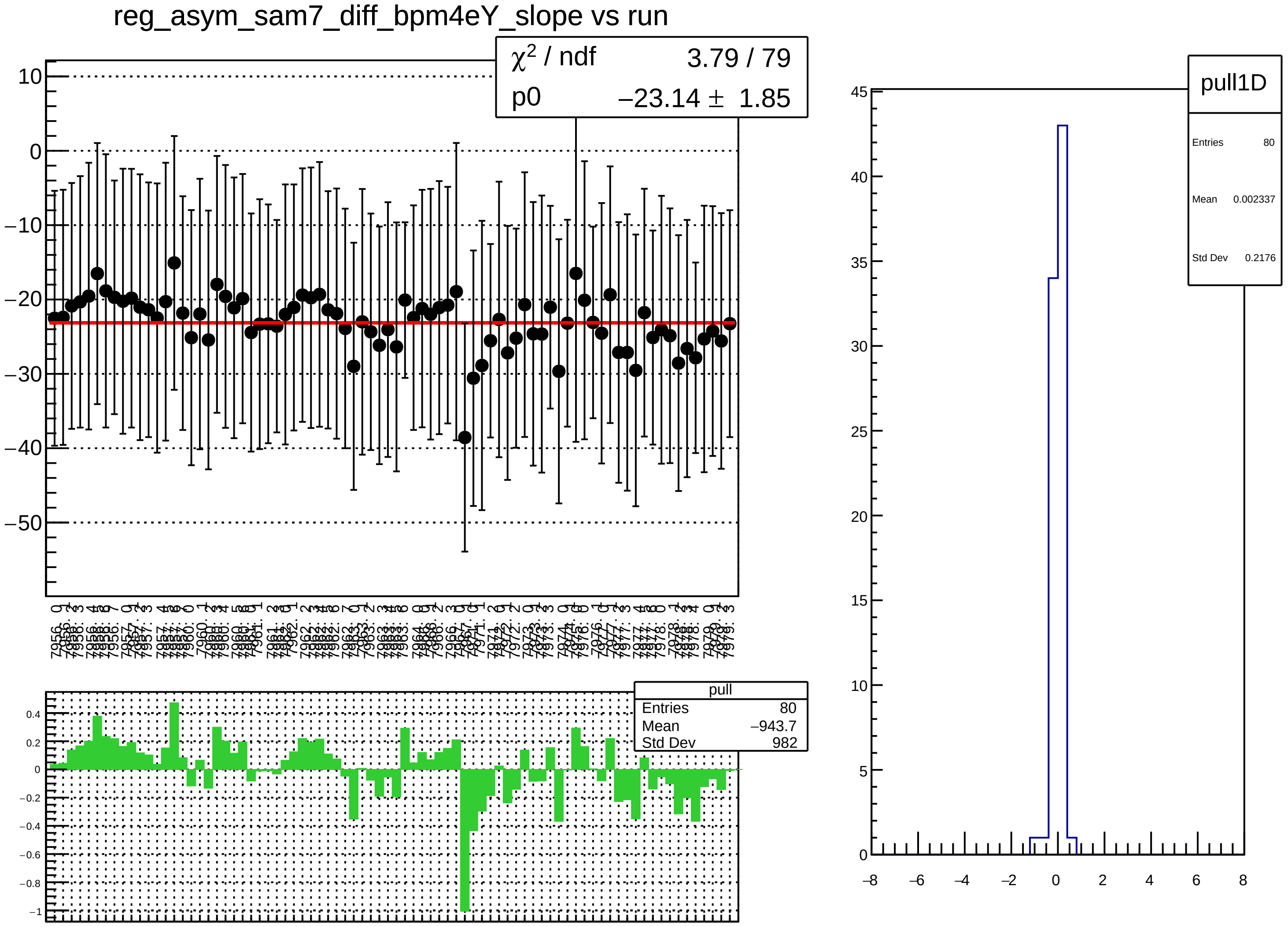
reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 8.777 / 79
p0 −0.7304 ± 0.08656
pull
Entries 80
Mean −136.4
Std Dev 184.9
pull1D
Entries 80
Mean −0.01066
Std Dev 0.331



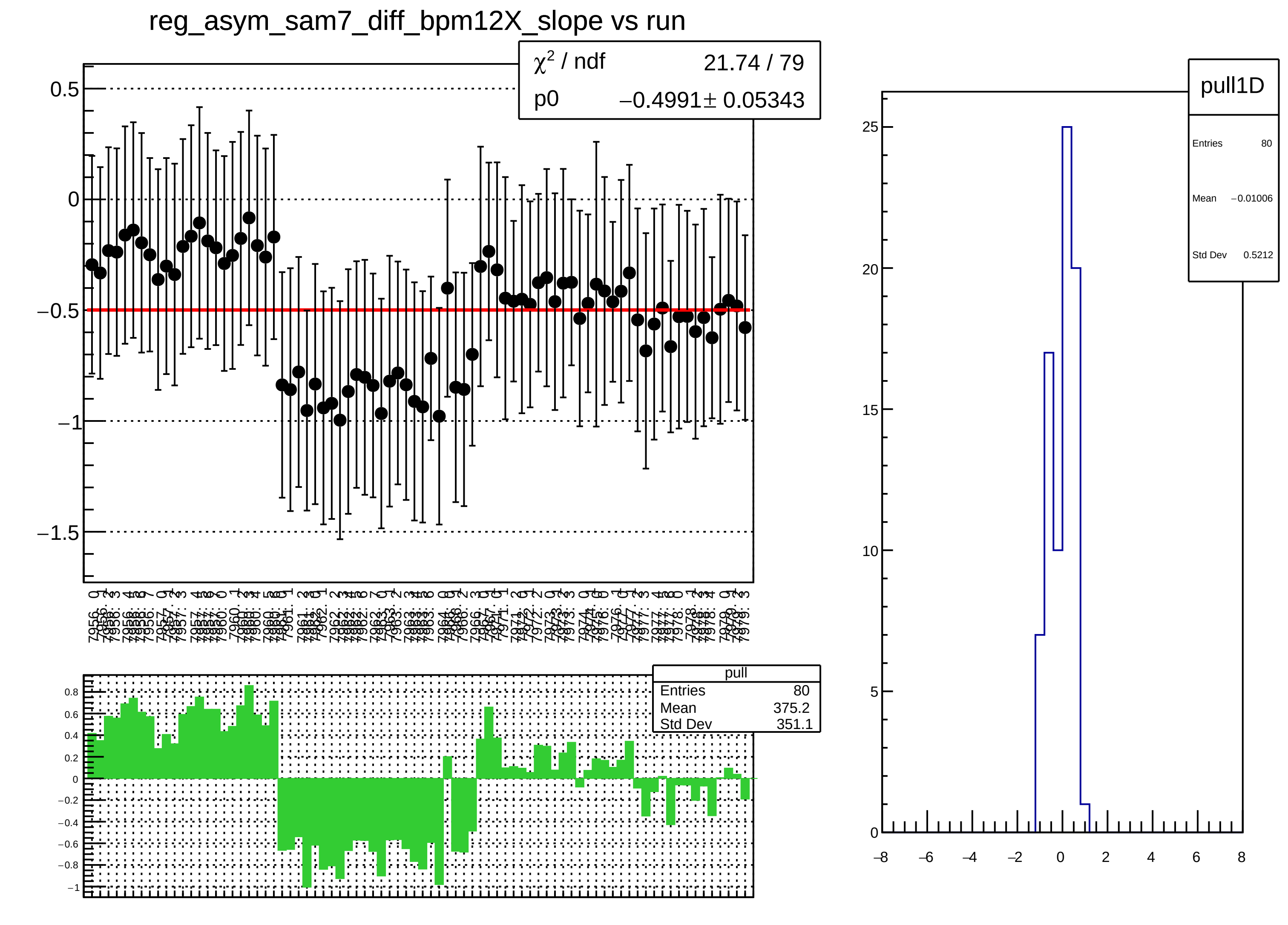
reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 9.555 / 79
p0 −4.046 ± 1.562
pull
Entries 80
Mean 524.8
Std Dev 458
pull1D
Entries 80
Mean 0.001722
Std Dev 0.3456


reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 3.27 / 79
p0 16.63 ± 1.615
pull
Entries 80
Mean −2738
Std Dev 2775
pull1D
Entries 80
Mean −0.0004684
Std Dev 0.2022

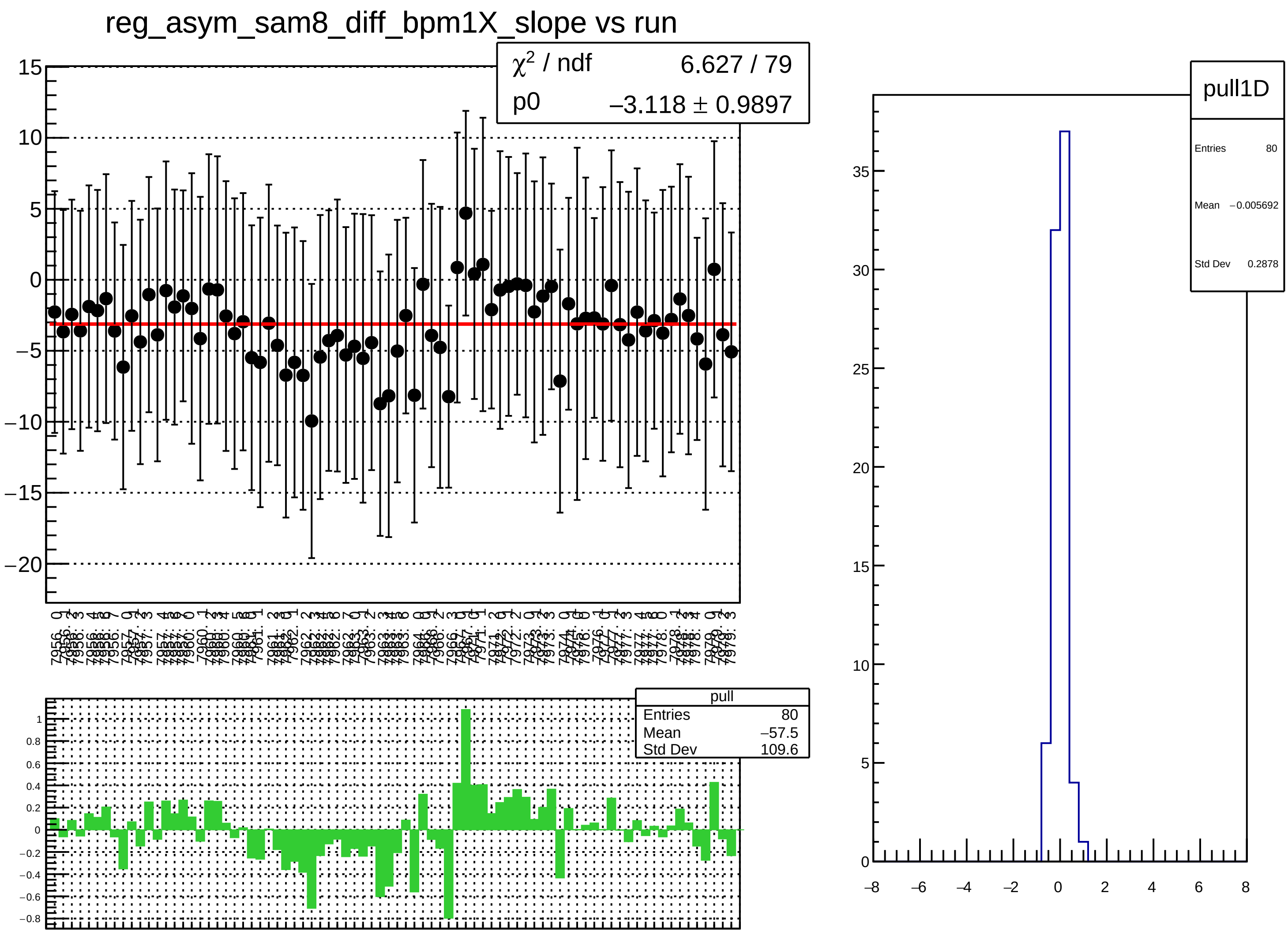

reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 8.899 / 79
p0 −37.96 ± 1.382
−10
−20
−30
−40
−50
−60
pull
Entries 80
Mean 125.5
Std Dev 54.81
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 80
Mean −0.01122
Std Dev 0.3333
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



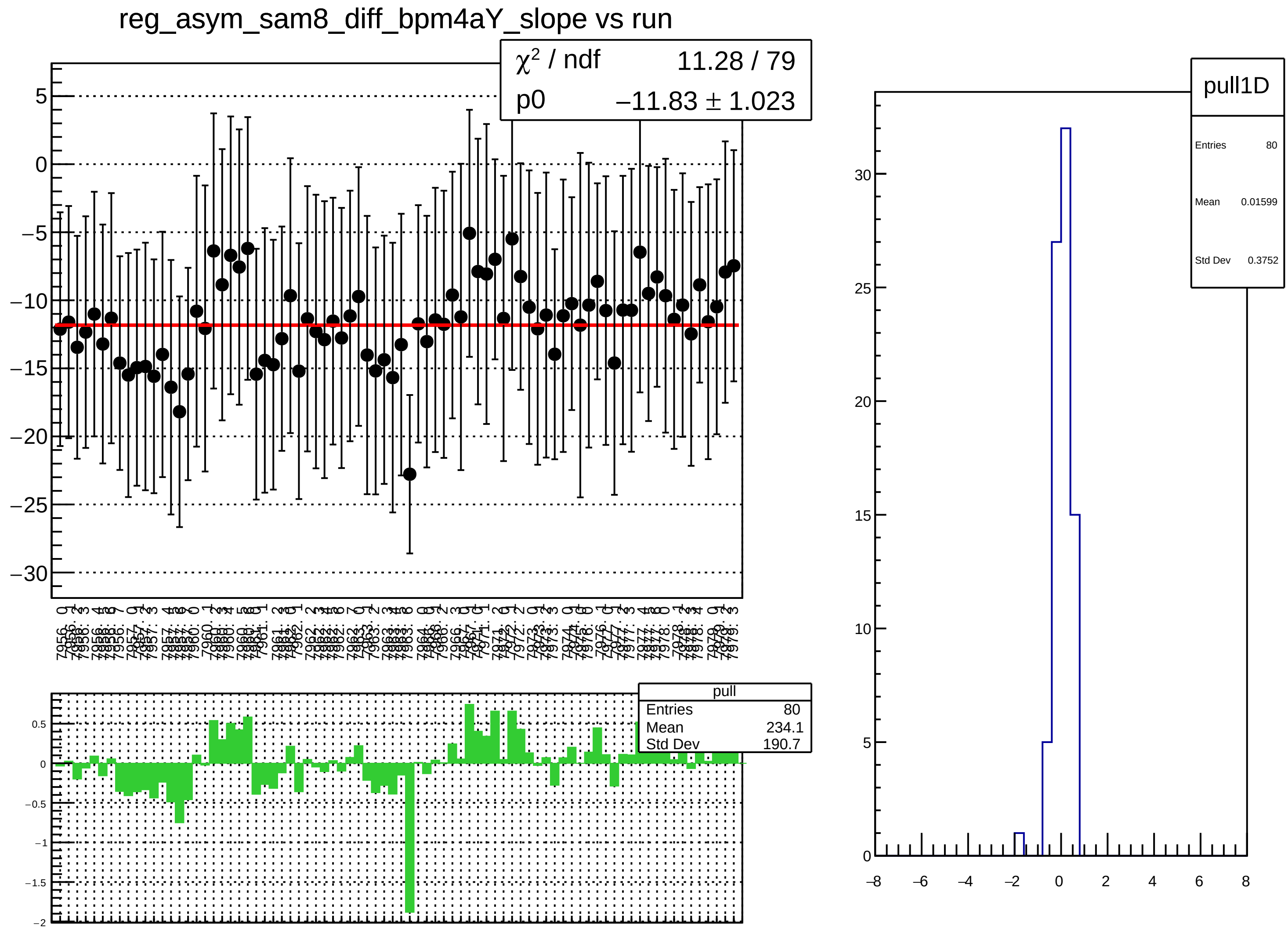
reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 3.79 / 79
p0 −23.14 ± 1.85
pull
Entries 80
Mean −943.7
Std Dev 982
pull1D
Entries 80
Mean 0.002337
Std Dev 0.2176



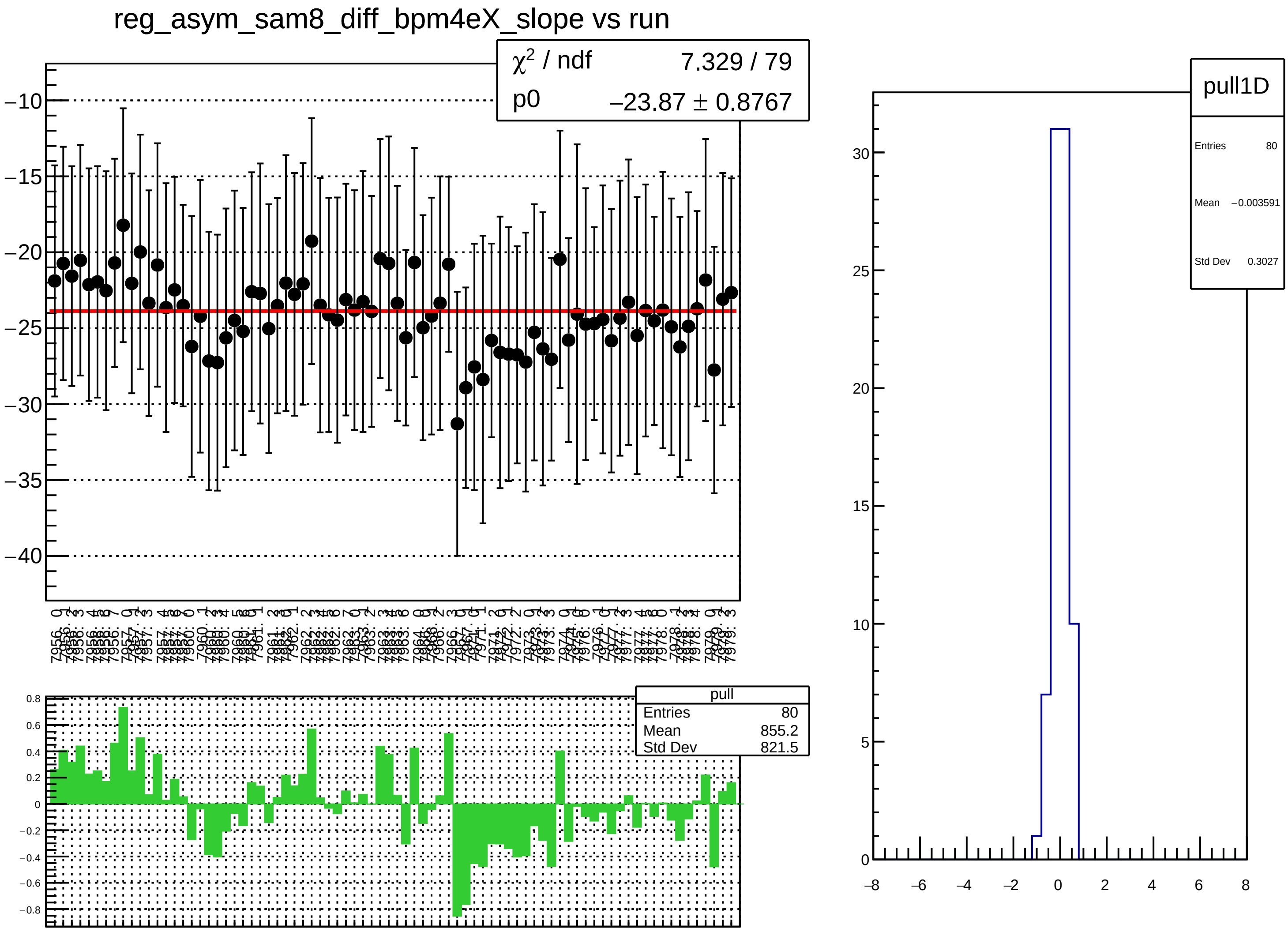
reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 21.74 / 79
p0 −0.4991 ± 0.05343
pull
Entries 80
Mean 375.2
Std Dev 351.1
pull1D
Entries 80
Mean −0.01006
Std Dev 0.5212



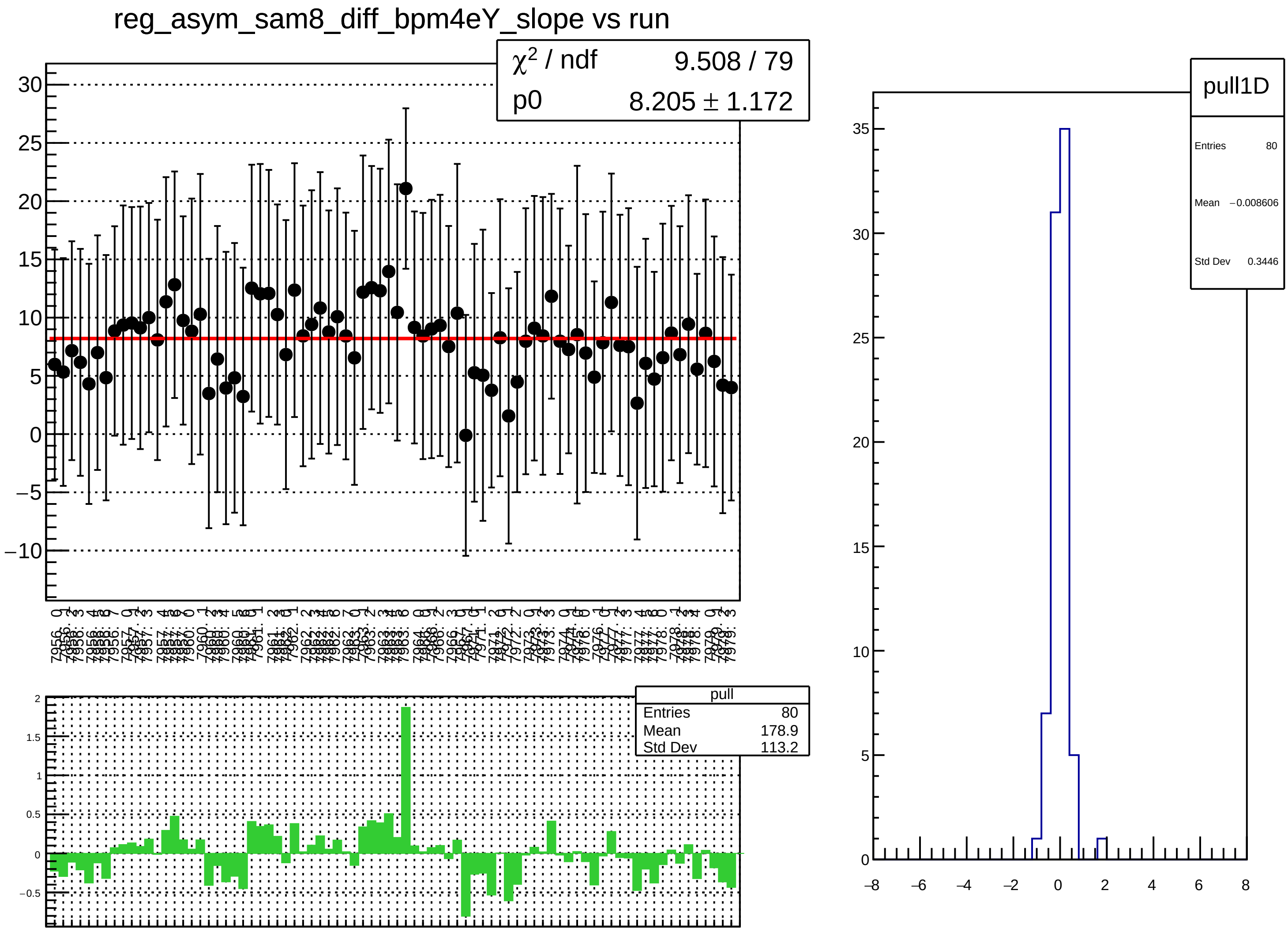
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 6.627 / 79
p0 −3.118 ± 0.9897
pull
Entries 80
Mean −57.5
Std Dev 109.6
pull1D
Entries 80
Mean −0.005692
Std Dev 0.2878

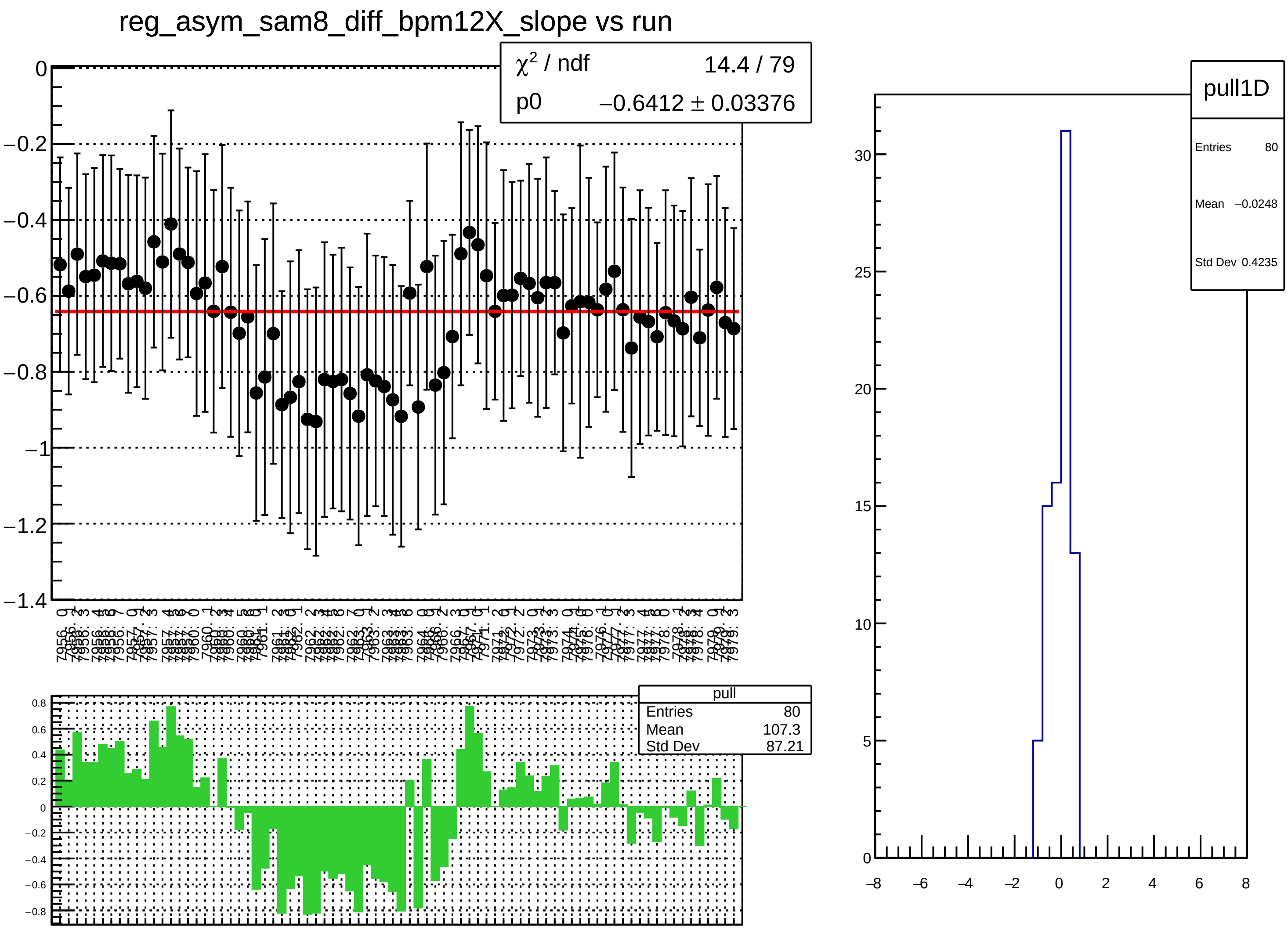


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 11.28 / 79
p0 −11.83 ± 1.023
pull
Entries 80
Mean 234.1
Std Dev 190.7
pull1D
Entries 80
Mean 0.01599
Std Dev 0.3752

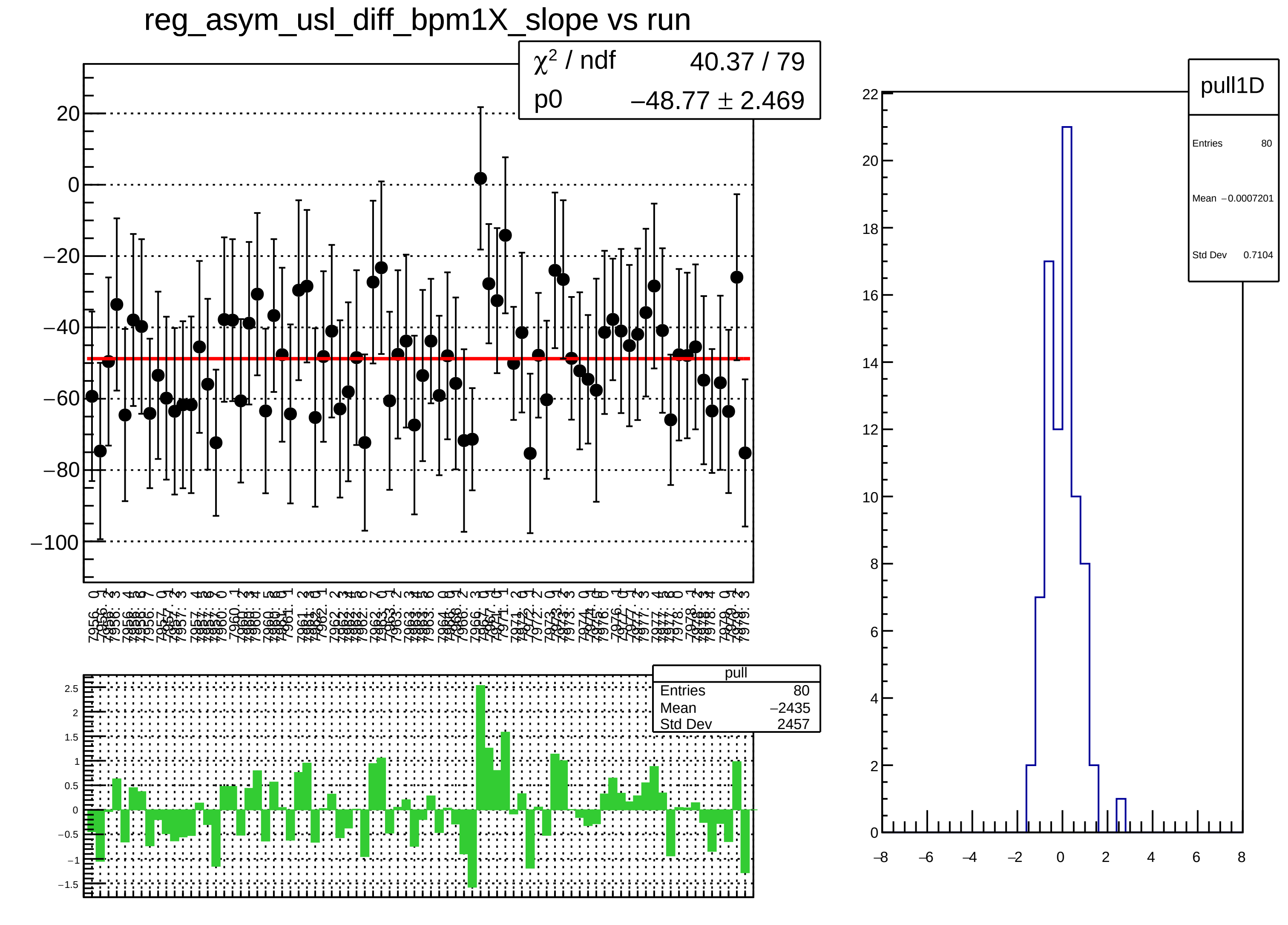


reg_asym_sam8_diff_bpm4eX_slope vs run
χ2 / ndf 7.329 / 79
p0 −23.87 ± 0.8767
pull
Entries 80
Mean 855.2
Std Dev 821.5
pull1D
Entries 80
Mean −0.003591
Std Dev 0.3027

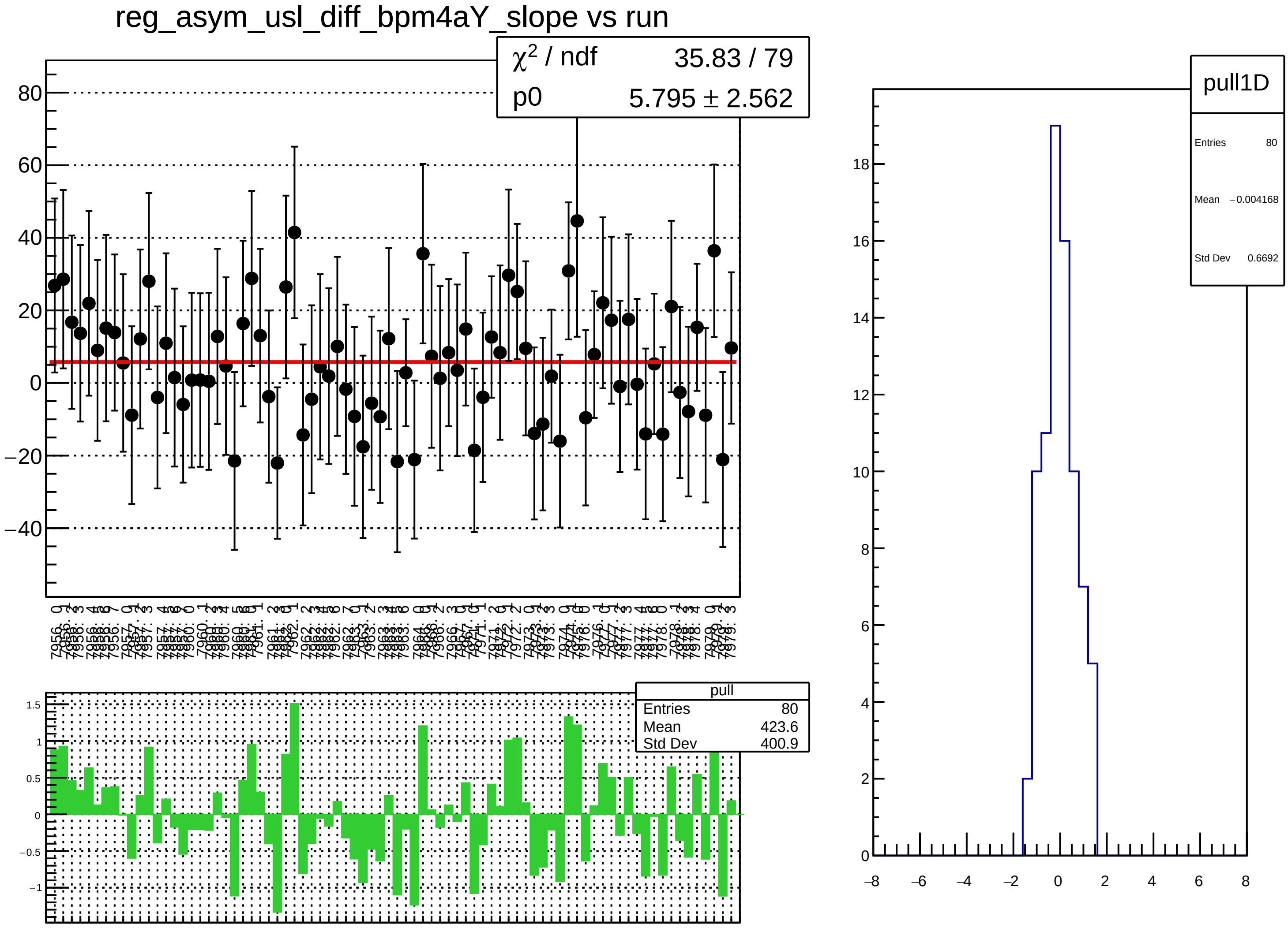

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 9.508 / 79
p0 8.205 ± 1.172
pull
Entries 80
Mean 178.9
Std Dev 113.2
pull1D
Entries 80
Mean −0.008606
Std Dev 0.3446



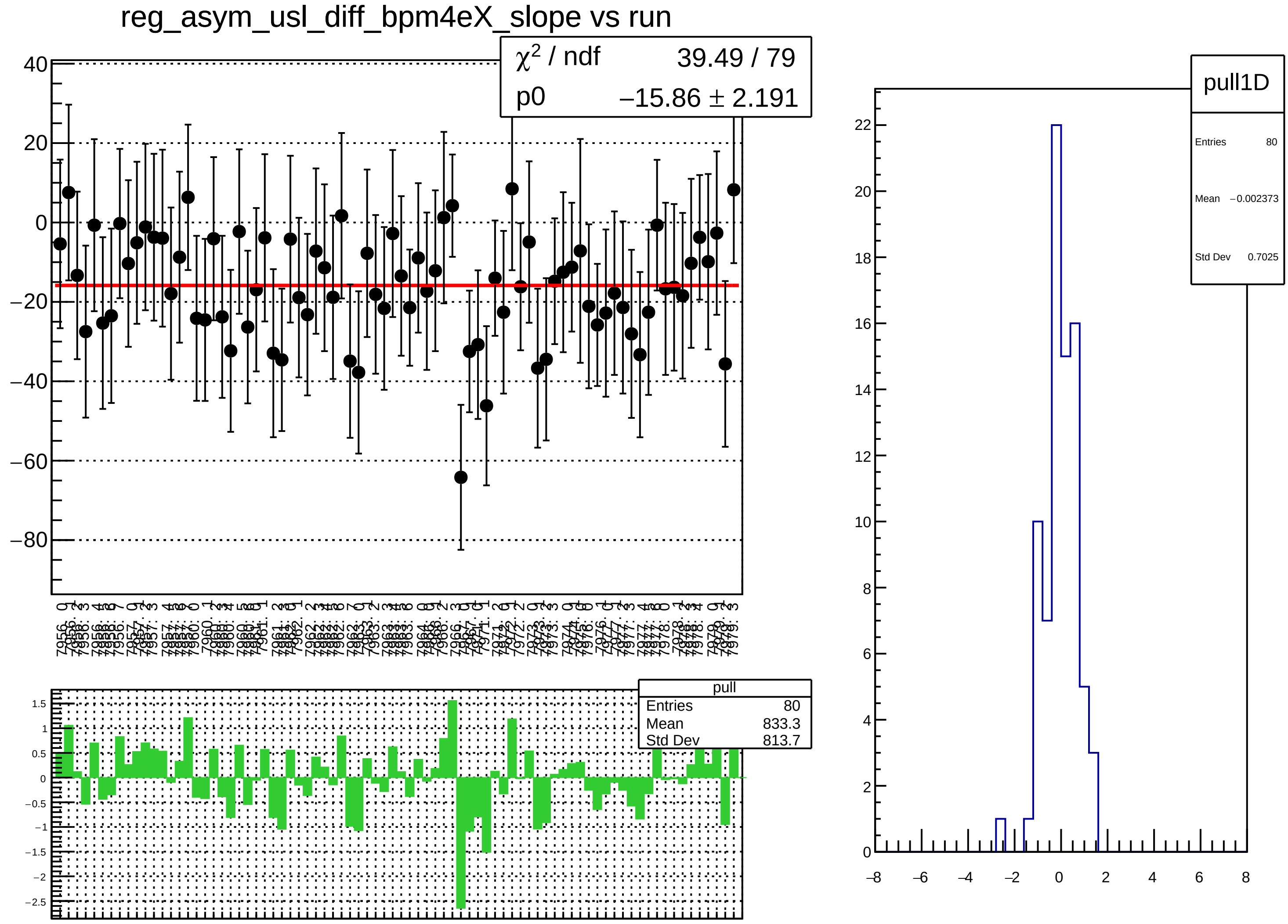
reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 14.4 / 79
p0 −0.6412 ± 0.03376
pull
Entries 80
Mean 107.3
Std Dev 87.21
pull1D
Entries 80
Mean −0.0248
Std Dev 0.4235



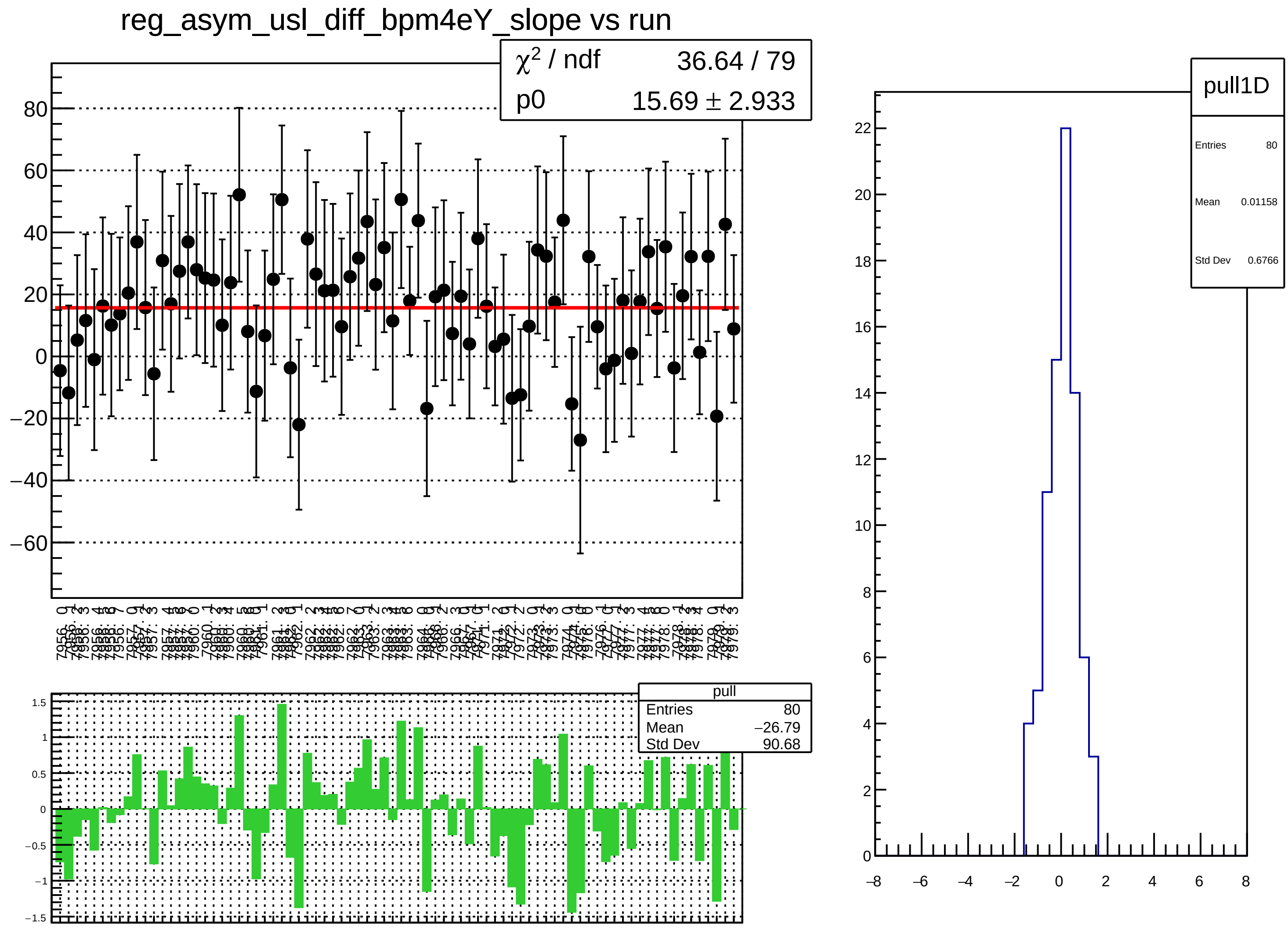
reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 40.37 / 79
p0 −48.77 ± 2.469
pull
Entries 80
Mean −2435
Std Dev 2457
pull1D
Entries 80
Mean −0.0007201
Std Dev 0.7104



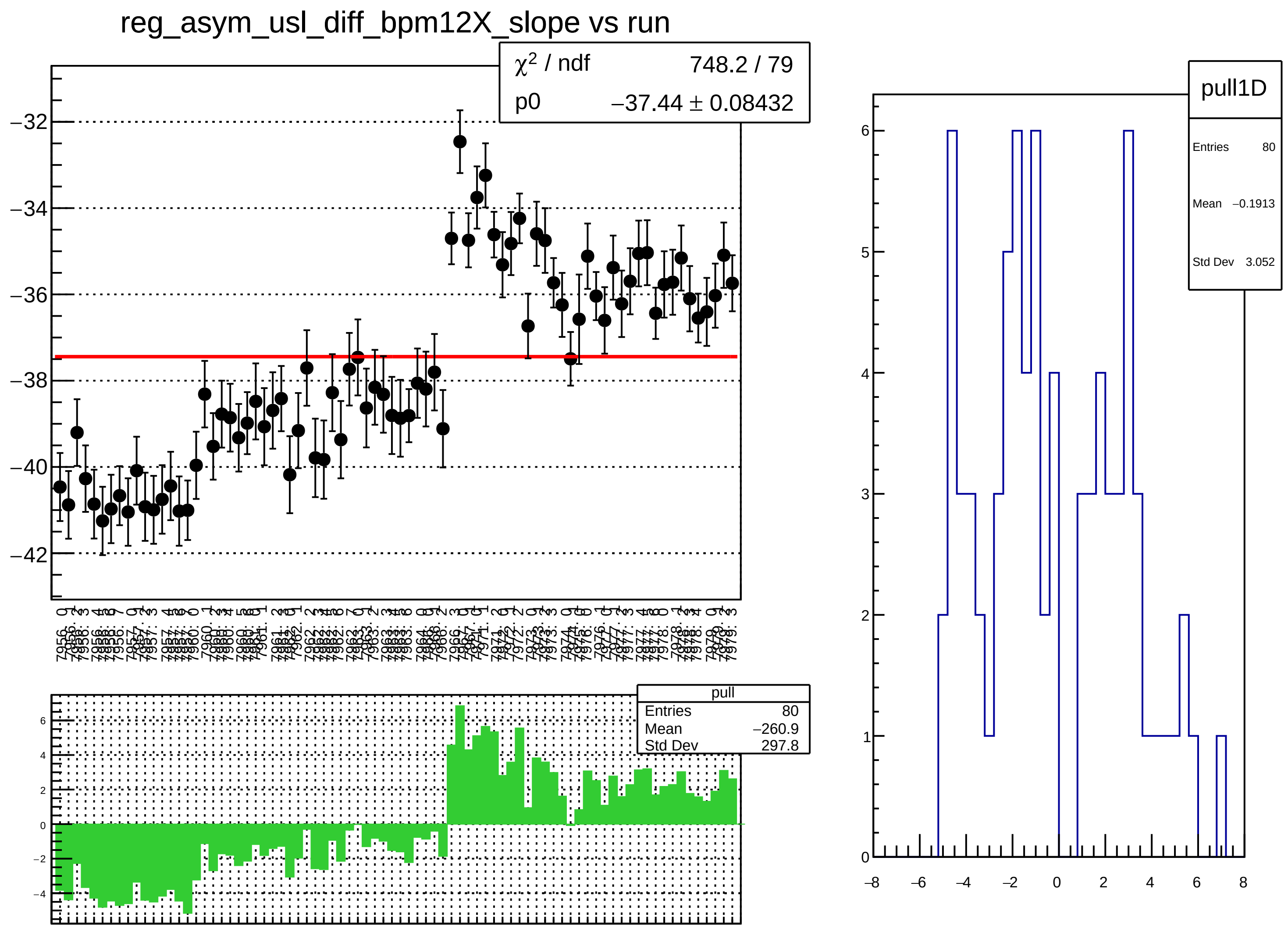
reg_asym_usl_diff_bpm4aY_slope vs run
χ2 / ndf 35.83 / 79
p0 5.795 ± 2.562
pull
Entries 80
Mean 423.6
Std Dev 400.9
pull1D
Entries 80
Mean −0.004168
Std Dev 0.6692



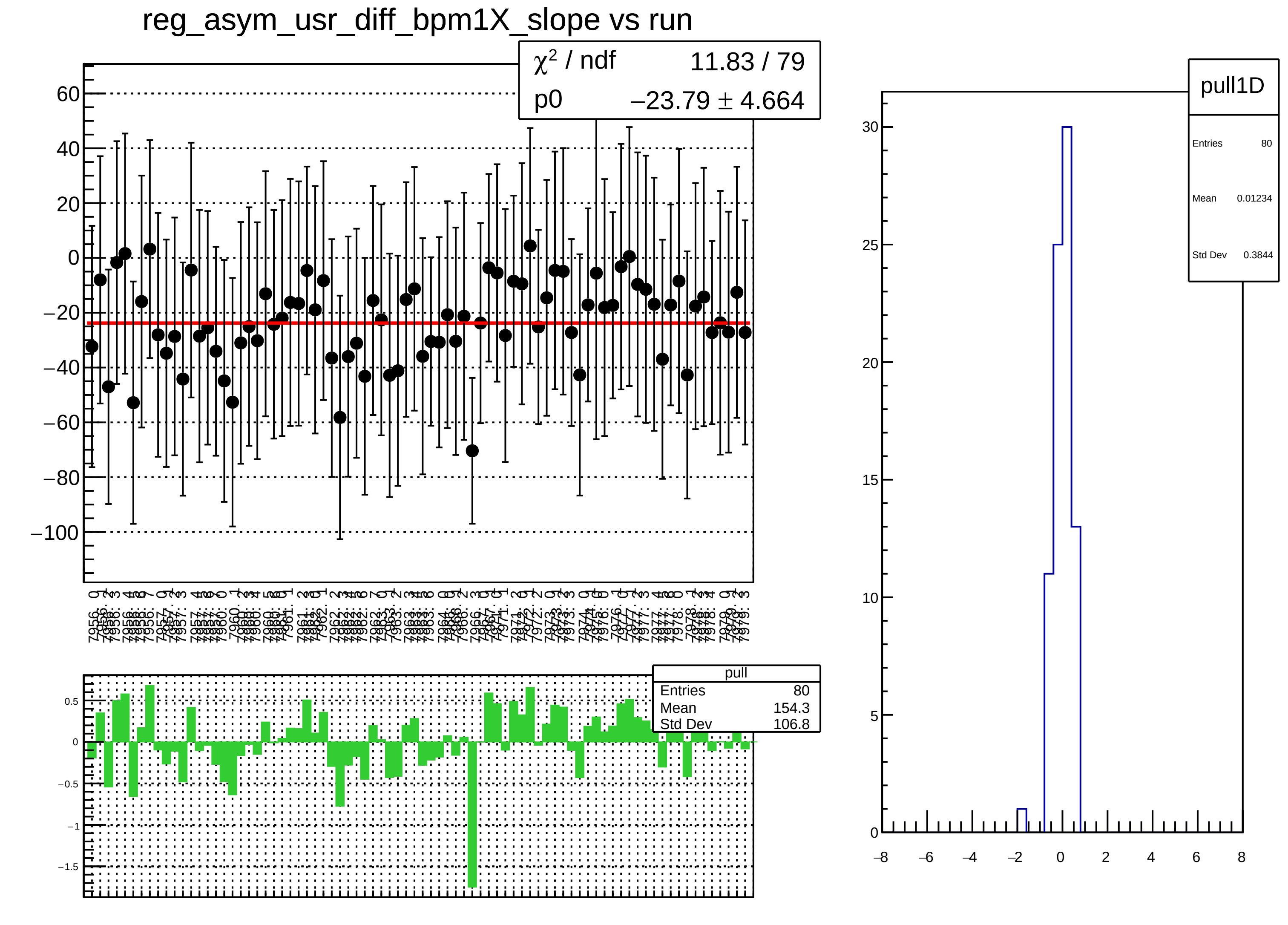
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 39.49 / 79
p0 −15.86 ± 2.191
pull
Entries 80
Mean 833.3
Std Dev 813.7
pull1D
Entries 80
Mean −0.002373
Std Dev 0.7025



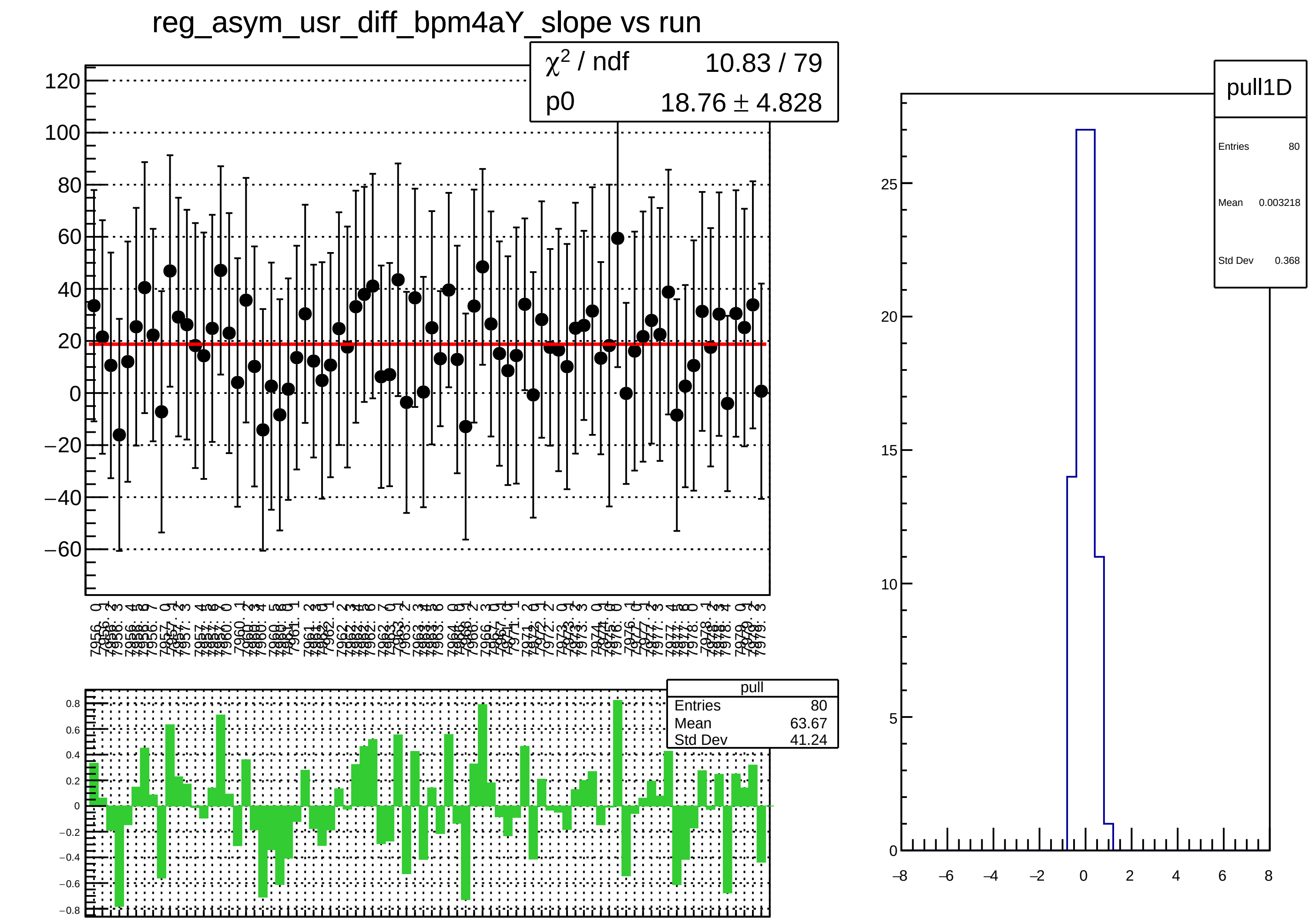
reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 36.64 / 79
p0 15.69 ± 2.933
pull
Entries 80
Mean −26.79
Std Dev 90.68
pull1D
Entries 80
Mean 0.01158
Std Dev 0.6766



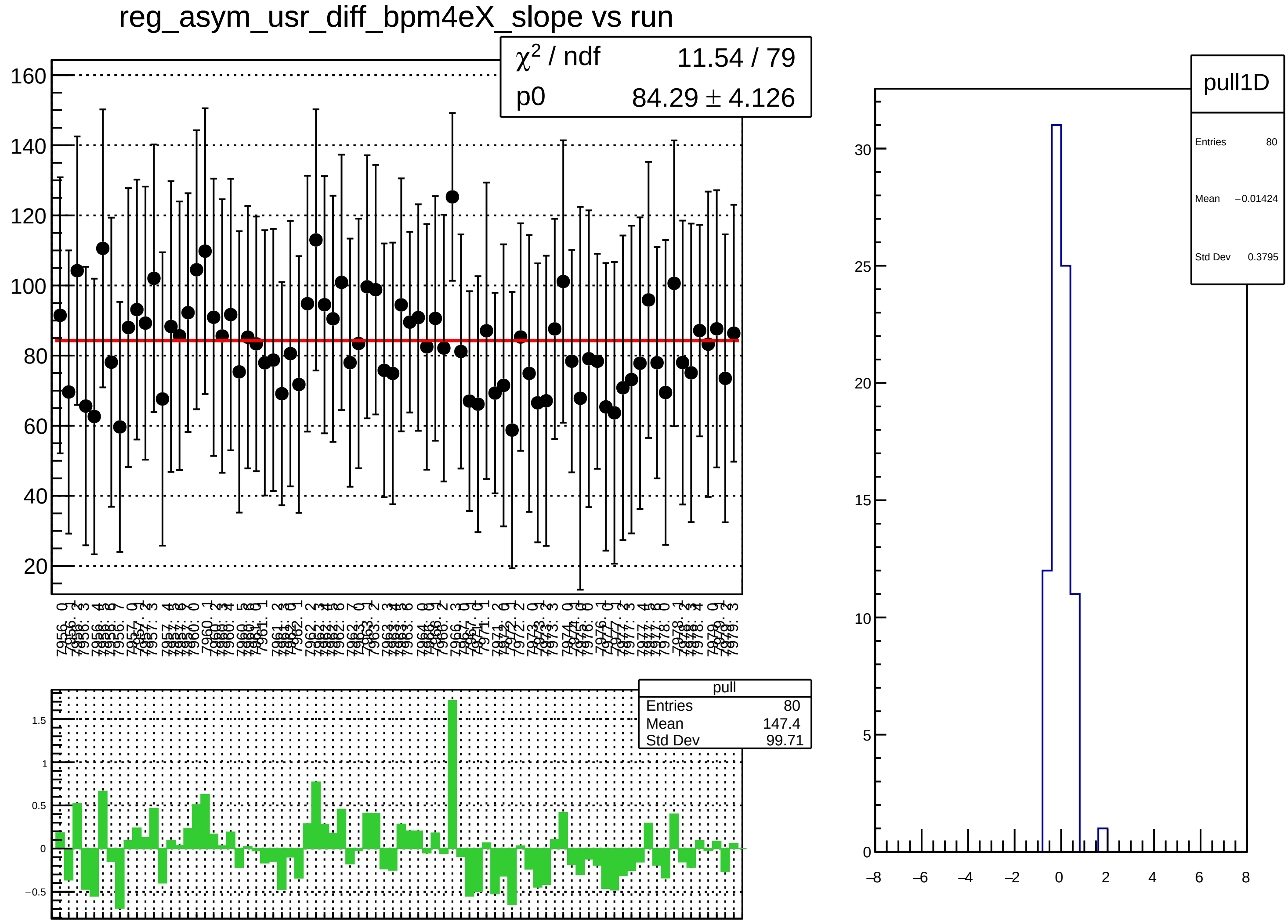
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 748.2 / 79
p0 −37.44 ± 0.08432
−32
−34
−36
−38
−40
−42
pull
Entries 80
Mean −260.9
Std Dev 297.8
pull1D
Entries 80
Mean −0.1913
Std Dev 3.052



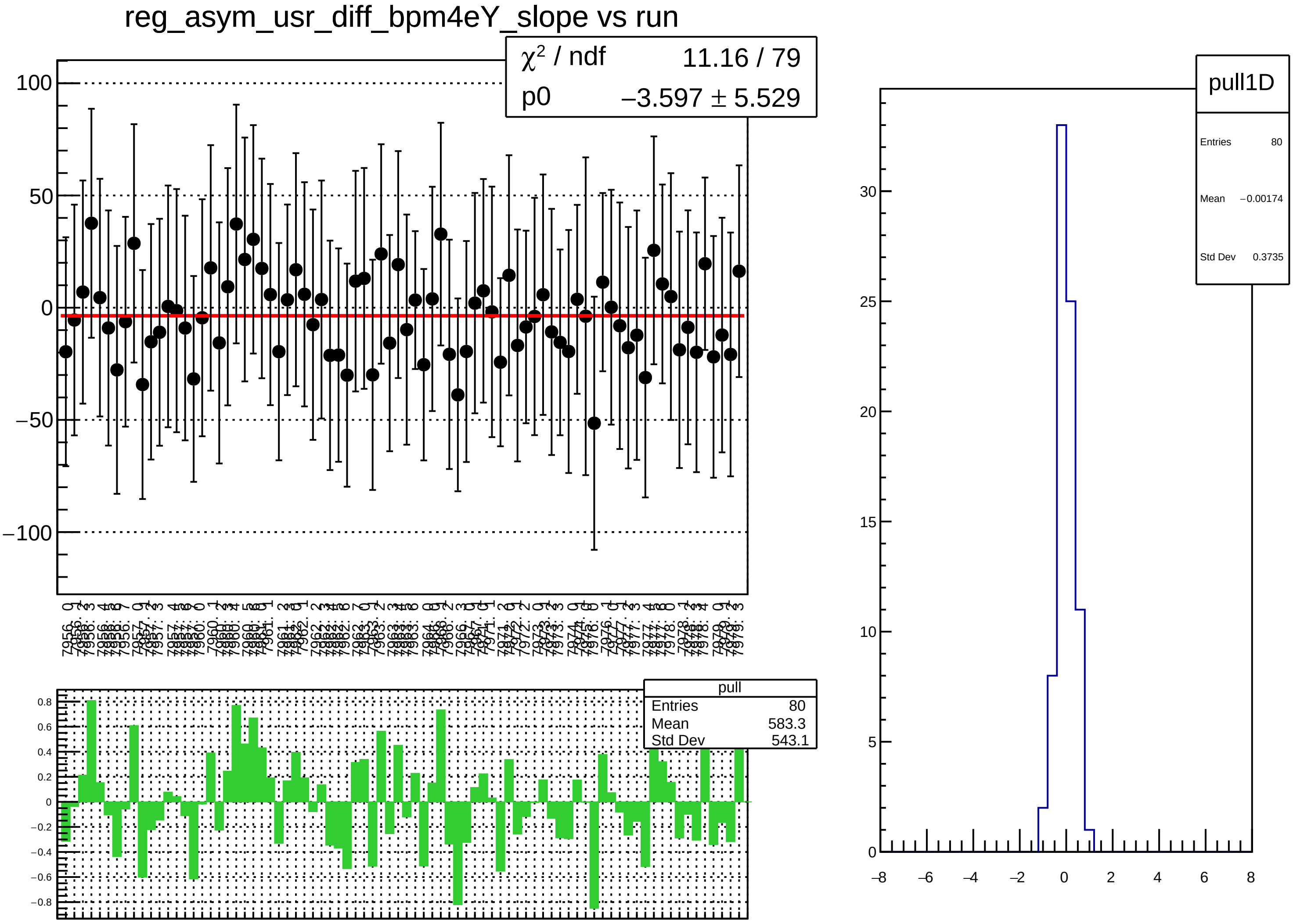
reg_asym_usr_diff_bpm1X_slope vs run
χ^2 / ndf 11.83 / 79
p0 −23.79 ± 4.664
pull
Entries 80
Mean 154.3
Std Dev 106.8
pull1D
Entries 80
Mean 0.01234
Std Dev 0.3844



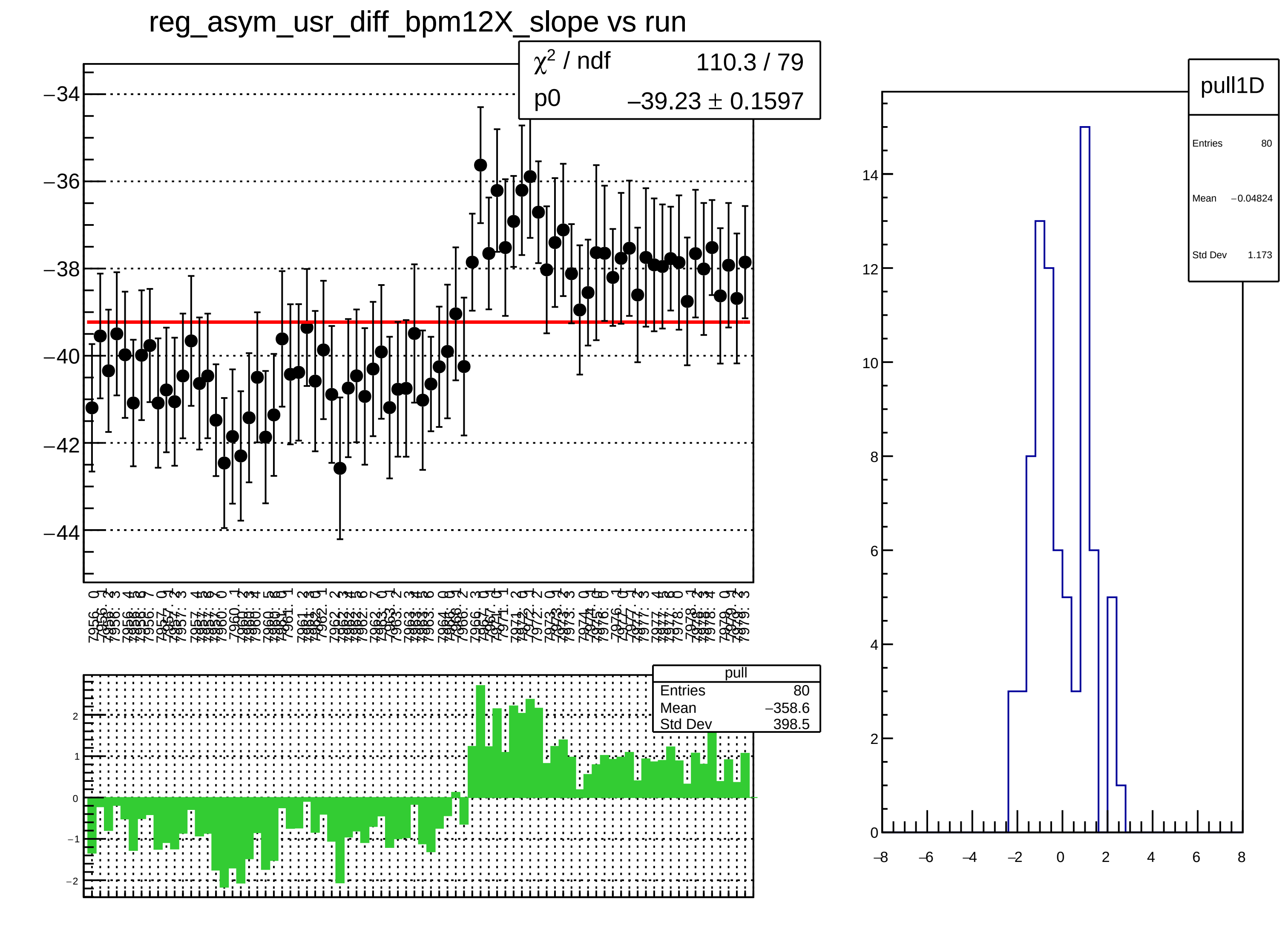
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 10.83 / 79
p0 18.76 ± 4.828
pull
Entries 80
Mean 63.67
Std Dev 41.24
pull1D
Entries 80
Mean 0.003218
Std Dev 0.368

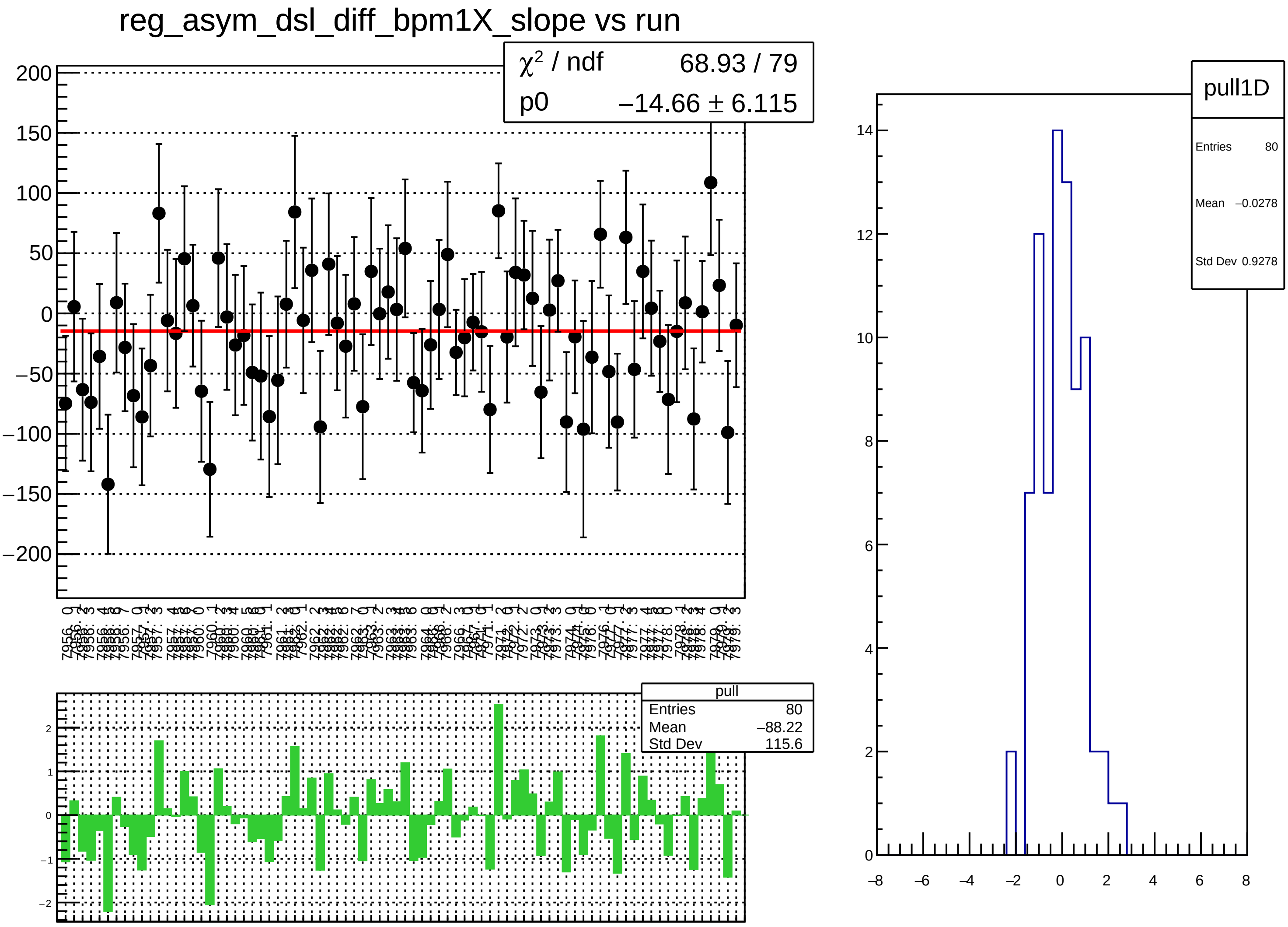


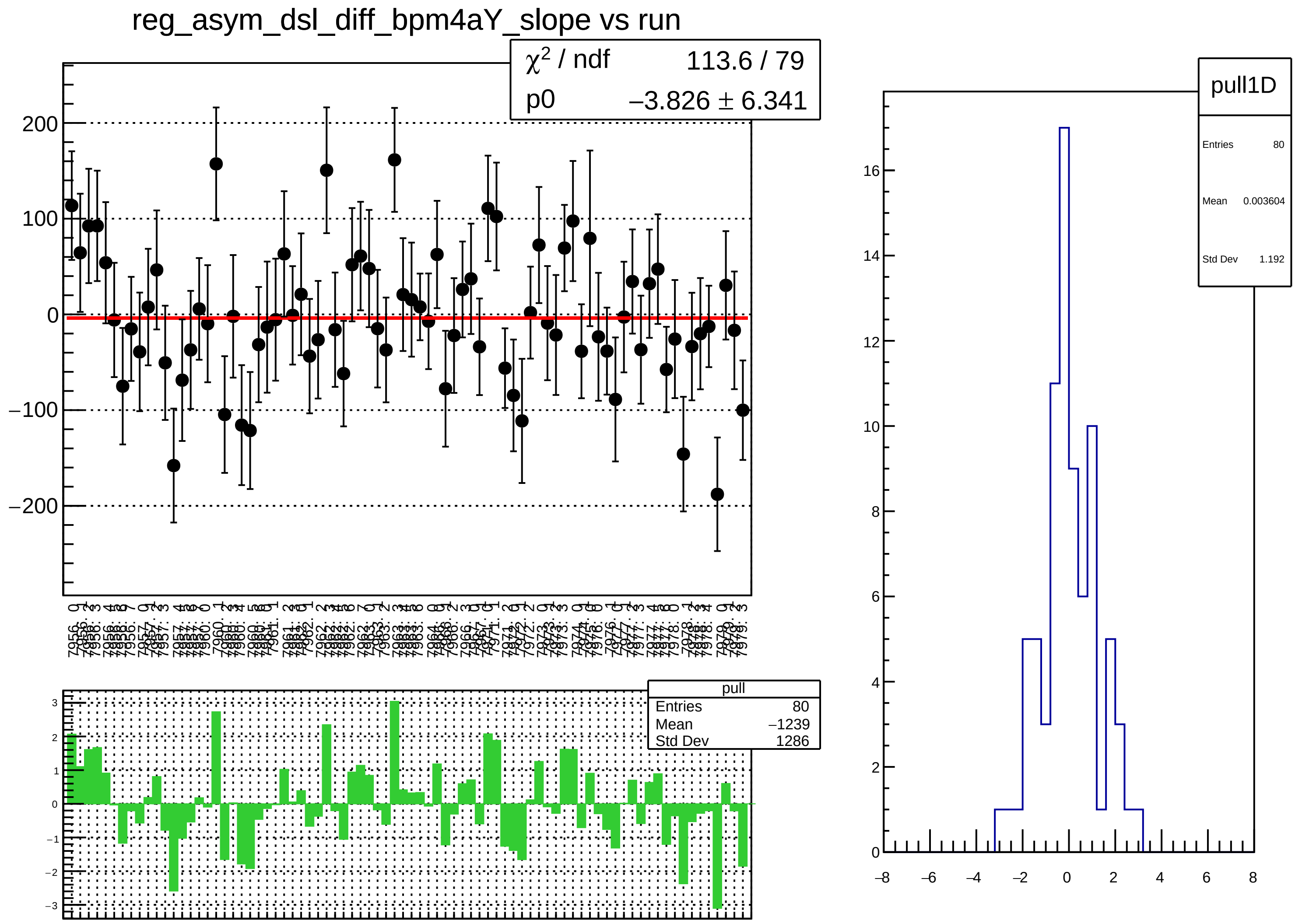
reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 11.54 / 79
p0 84.29 ± 4.126
pull
Entries 80
Mean 147.4
Std Dev 99.71
pull1D
Entries 80
Mean −0.01424
Std Dev 0.3795



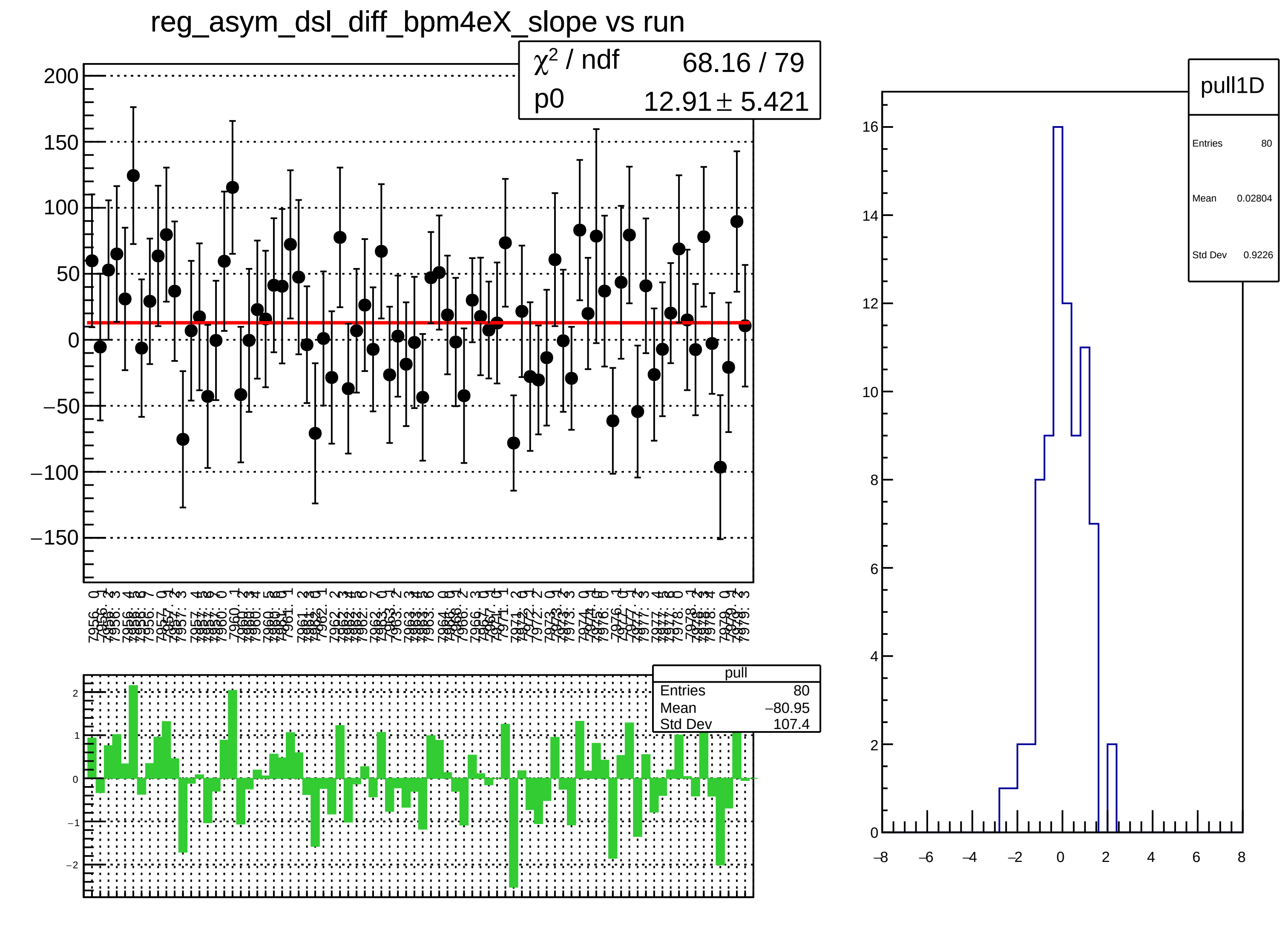
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 11.16 / 79
p0 −3.597 ± 5.529
pull
Entries 80
Mean 583.3
Std Dev 543.1
pull1D
Entries 80
Mean −0.00174
Std Dev 0.3735

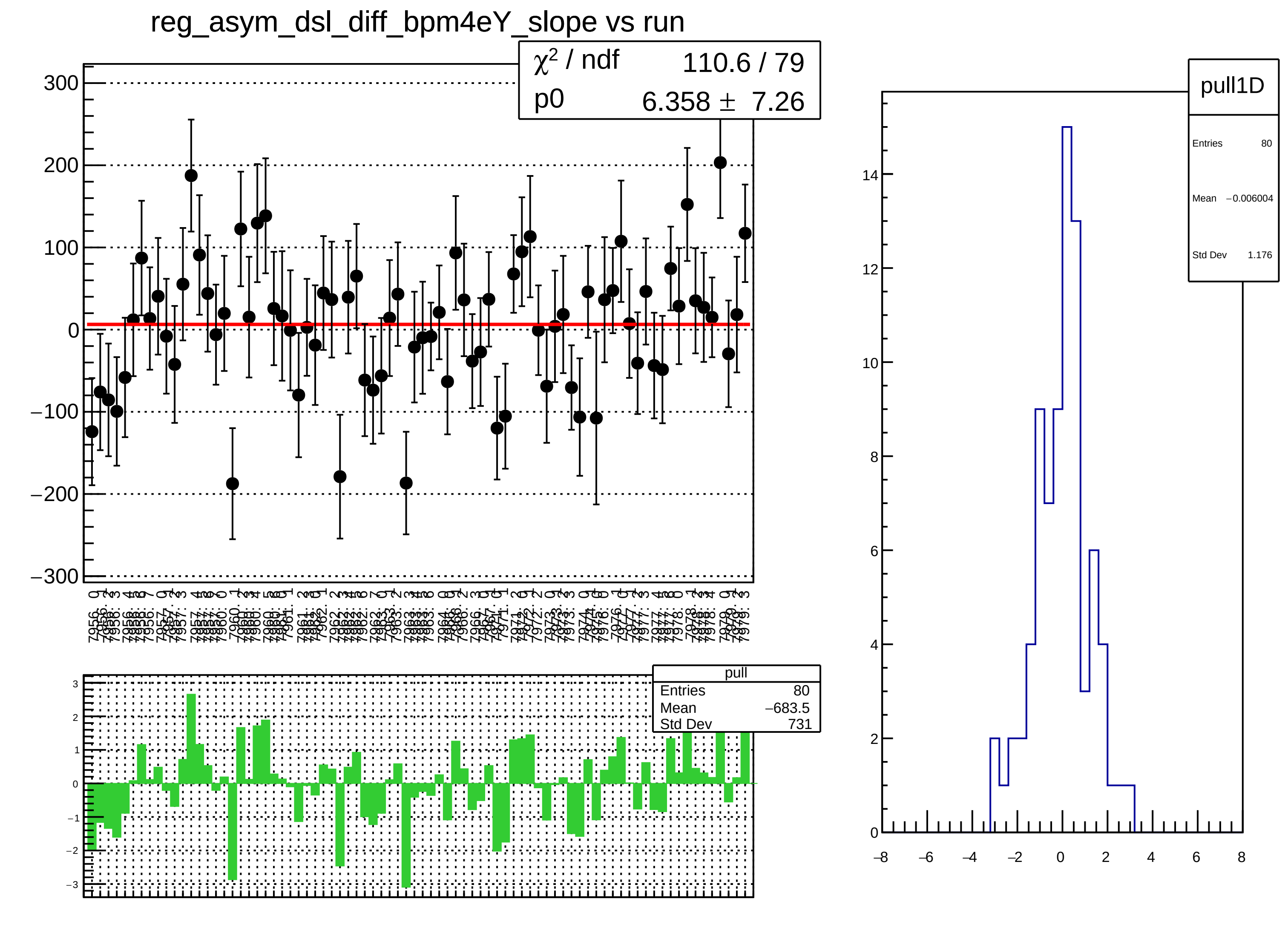

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 110.3 / 79
p0 −39.23 ± 0.1597
−34
−36
−38
−40
−42
−44
pull
Entries 80
Mean −358.6
Std Dev 398.5
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.04824
Std Dev 1.173
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

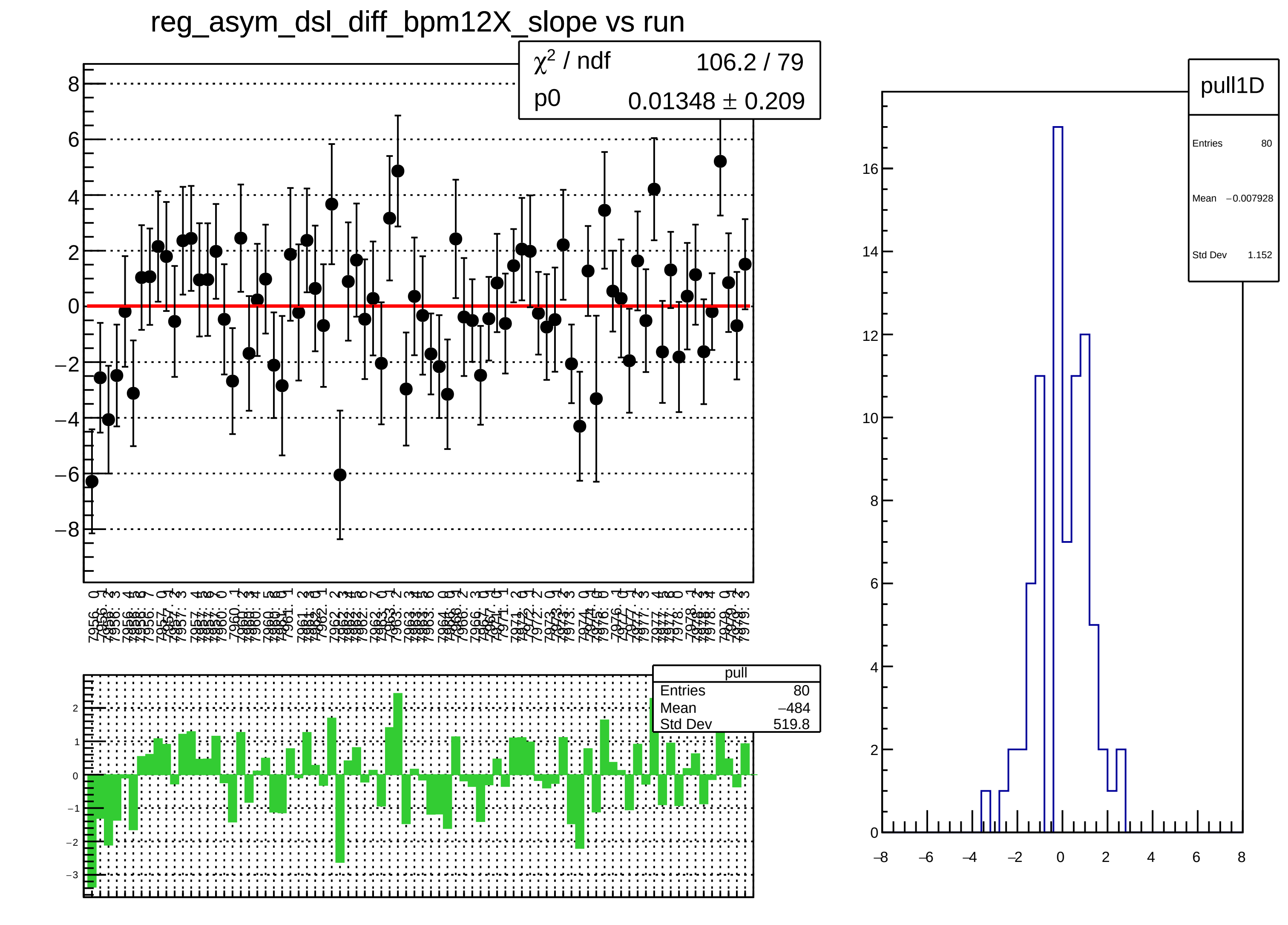

reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 68.93 / 79
p0 −14.66 ± 6.115
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean −88.22
Std Dev 115.6
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.0278
Std Dev 0.9278
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

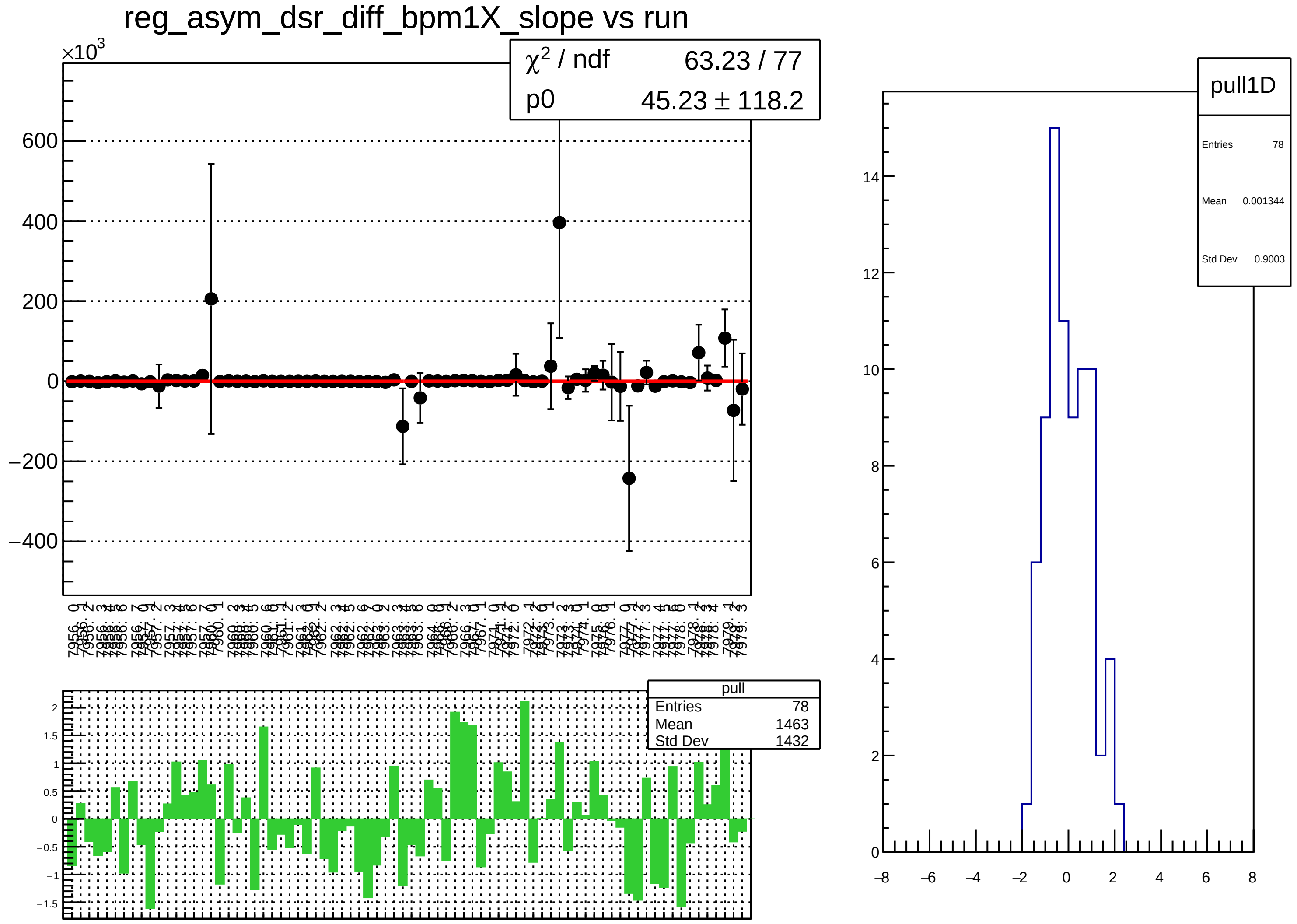


reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 113.6 / 79
p0 −3.826 ± 6.341
200
100
0
−100
−200
pull
Entries 80
Mean −1239
Std Dev 1286
3
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.003604
Std Dev 1.192
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

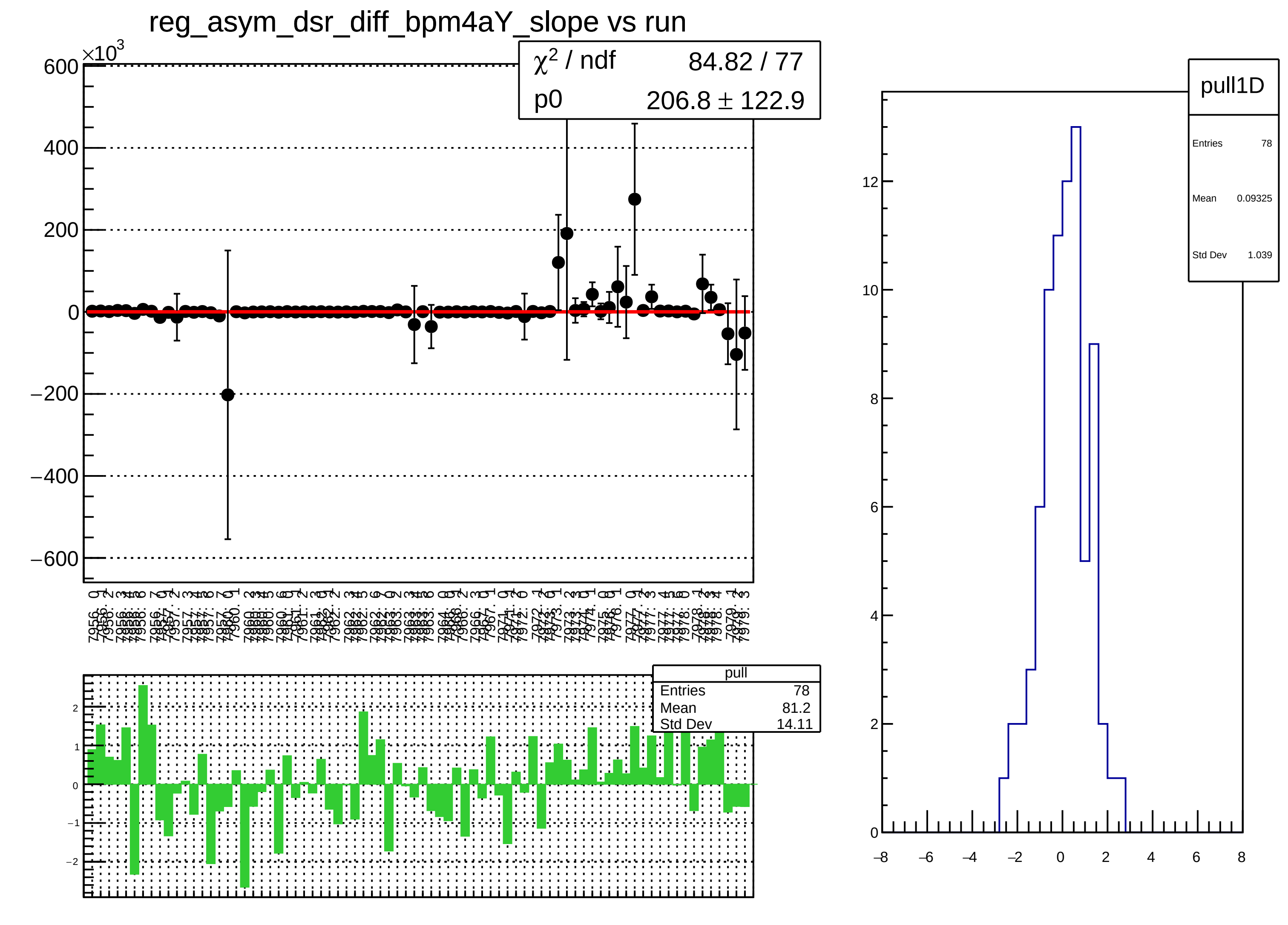

reg_asym_dsl_diff_bpm4eX_slope vs run
χ2 / ndf 68.16 / 79
p0 12.91 ± 5.421
pull
Entries 80
Mean −80.95
Std Dev 107.4
pull1D
Entries 80
Mean 0.02804
Std Dev 0.9226

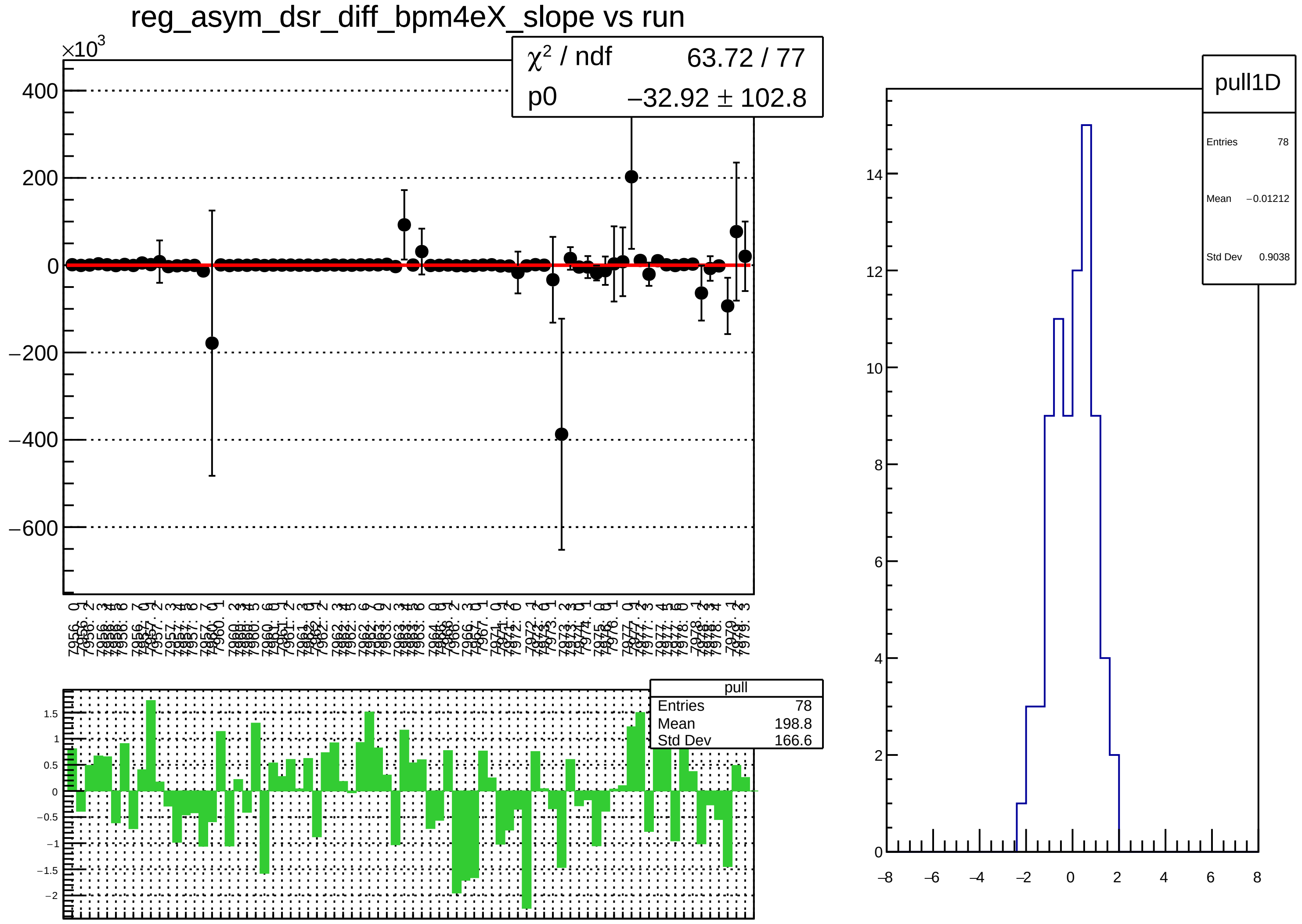

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 110.6 / 79
p0 6.358 ± 7.26
pull
Entries 80
Mean −683.5
Std Dev 731
pull1D
Entries 80
Mean −0.006004
Std Dev 1.176


reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 106.2 / 79
p0 0.01348 ± 0.209
pull
Entries 80
Mean −484
Std Dev 519.8
pull1D
Entries 80
Mean −0.007928
Std Dev 1.152

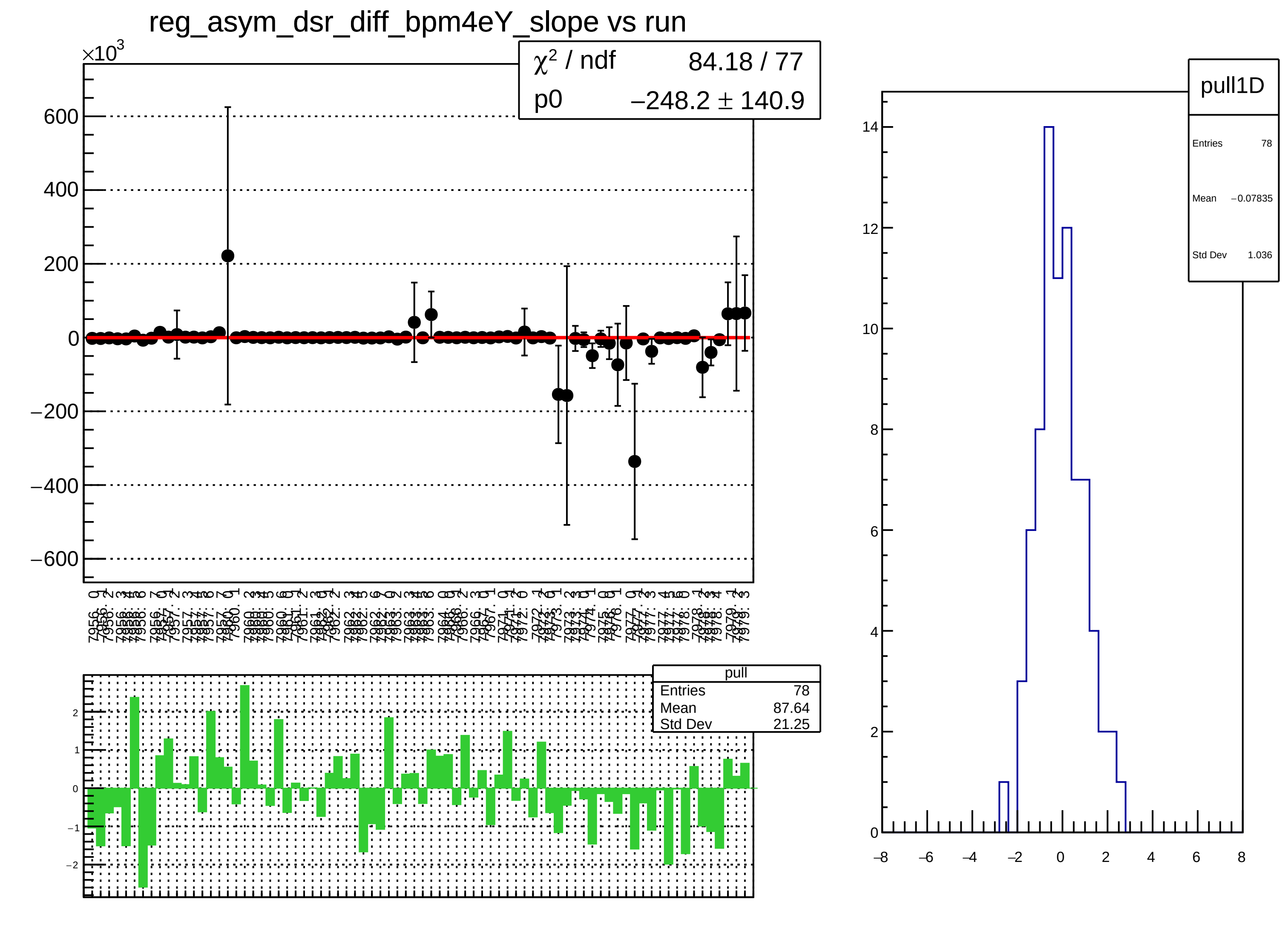


reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 63.23 / 77
p0 45.23 ± 118.2
600
400
200
0
−200
−400
pull
Entries 78
Mean 1463
Std Dev 1432
pull1D
Entries 78
Mean 0.001344
Std Dev 0.9003

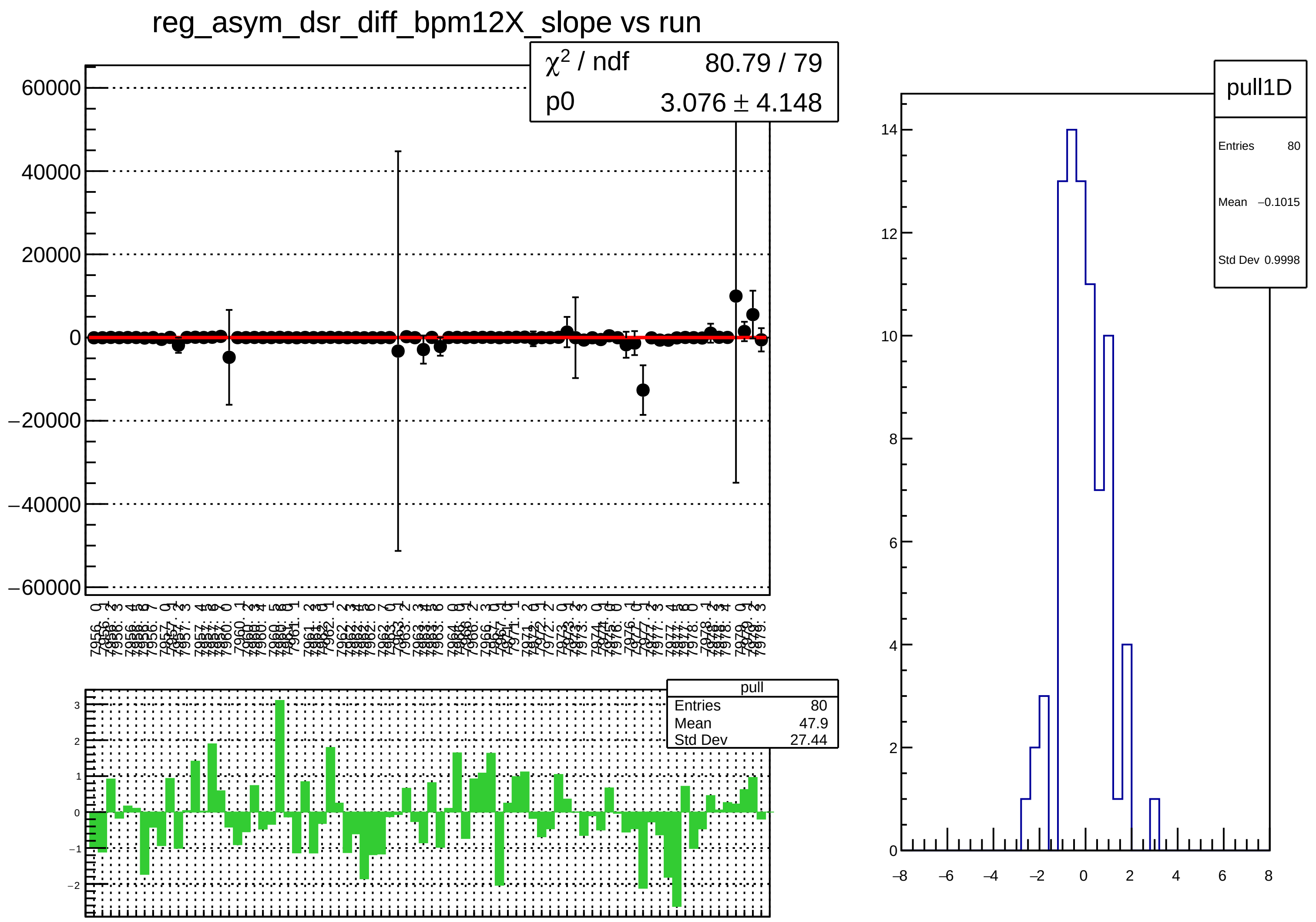

reg_asym_dsr_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 84.82 / 77
p0 206.8 ± 122.9
pull
Entries 78
Mean 81.2
Std Dev 14.11
pull1D
Entries 78
Mean 0.09325
Std Dev 1.039



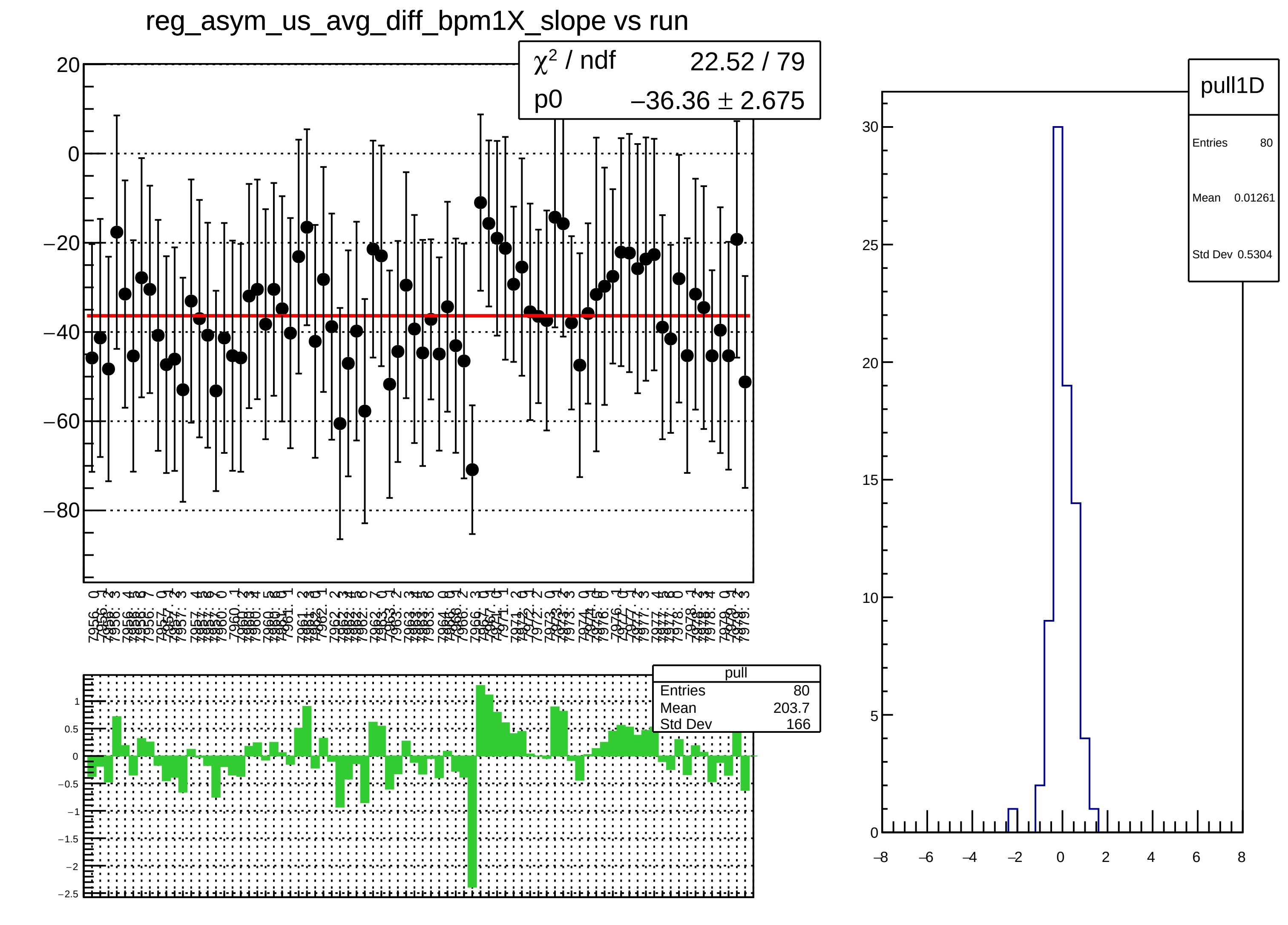
reg_asym_dsr_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 63.72 / 77
p0 −32.92 ± 102.8
pull
Entries 78
Mean 198.8
Std Dev 166.6
pull1D
Entries 78
Mean −0.01212
Std Dev 0.9038



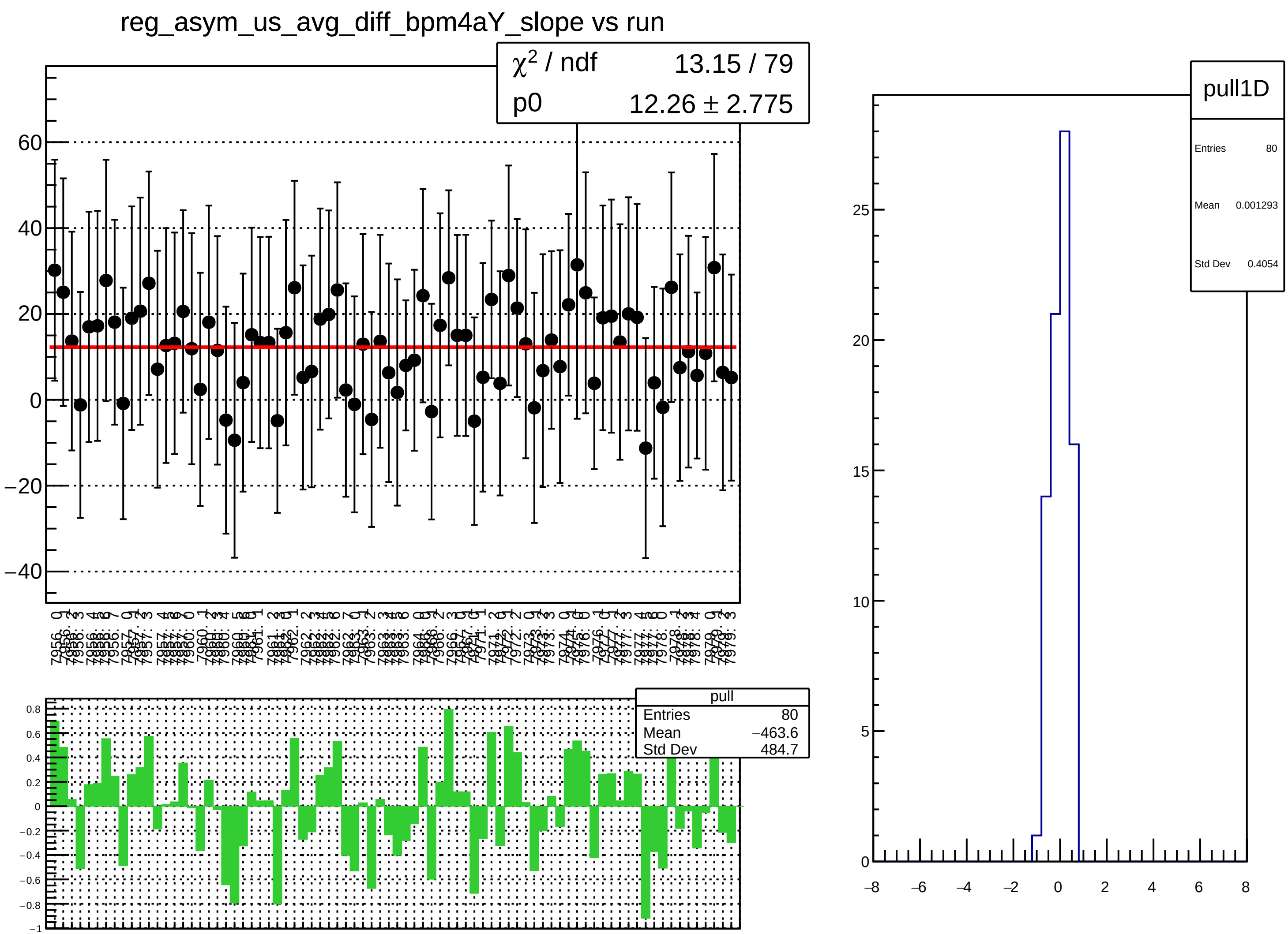
reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 84.18 / 77
p0 −248.2 ± 140.9
600
400
200
0
−200
−400
−600
pull
Entries 78
Mean 87.64
Std Dev 21.25
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.07835
Std Dev 1.036
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



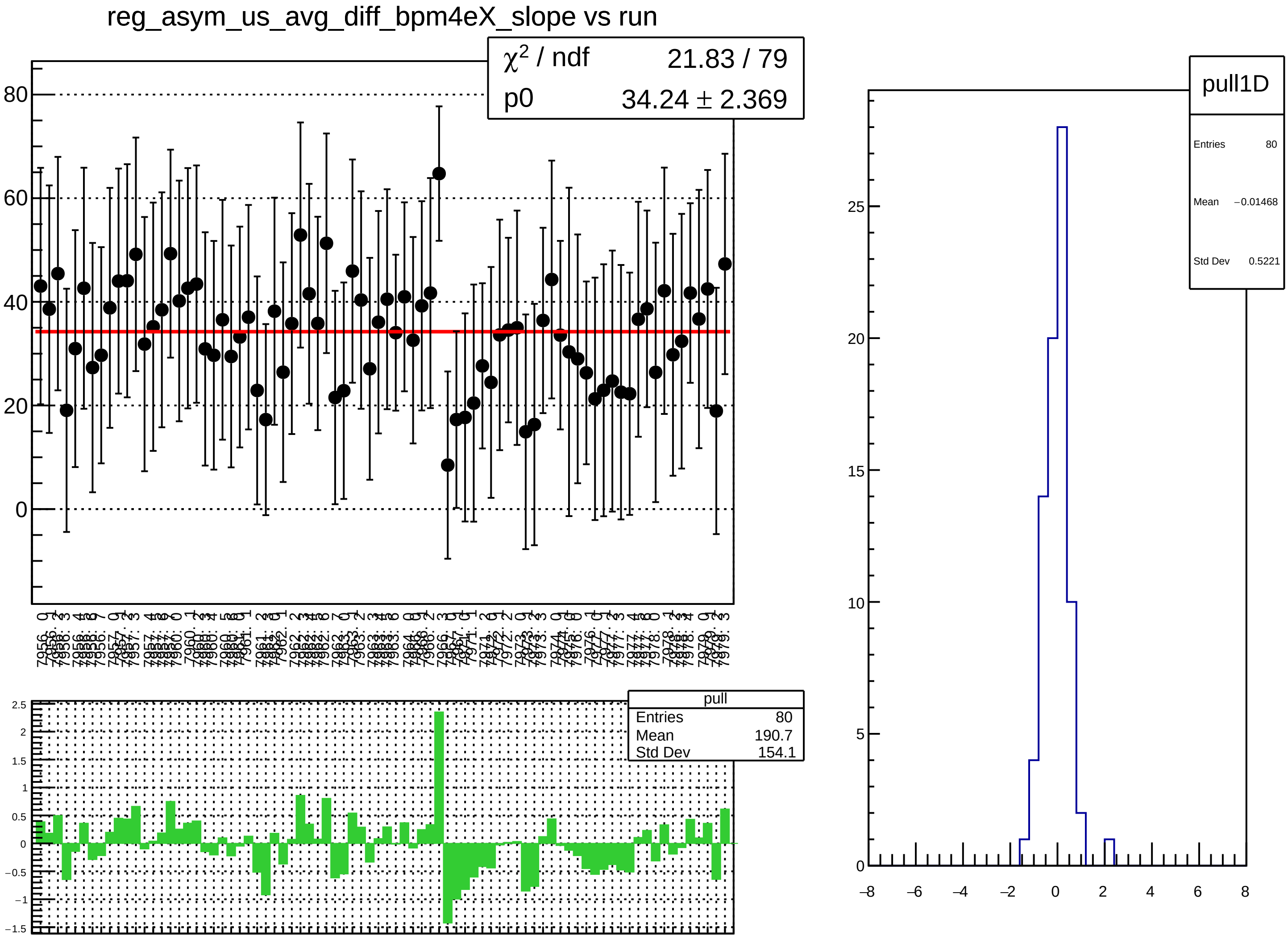
reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 80.79 / 79
p0 3.076 ± 4.148
pull
Entries 80
Mean 47.9
Std Dev 27.44
pull1D
Entries 80
Mean −0.1015
Std Dev 0.9998



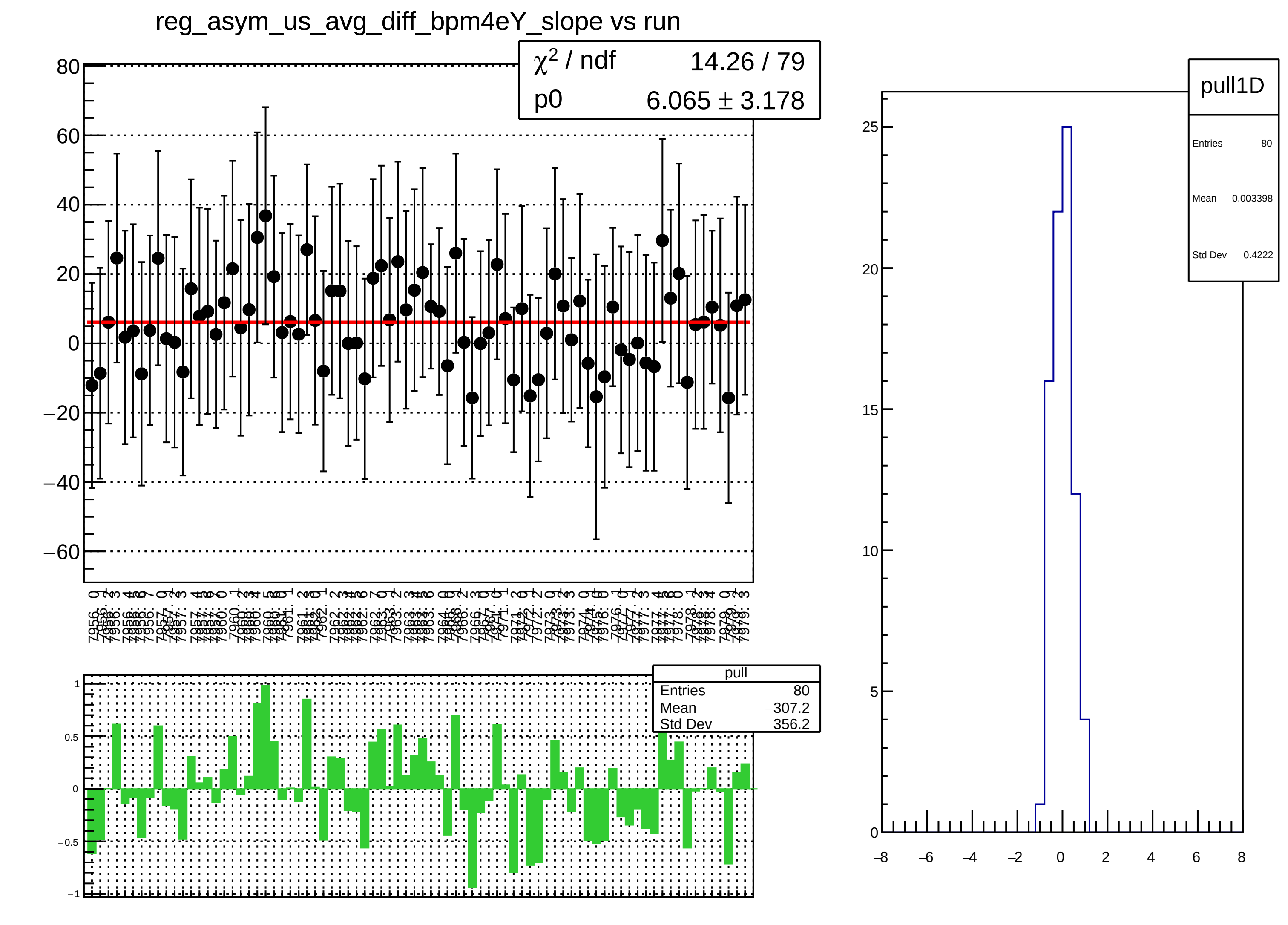
reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 22.52 / 79
p0 −36.36 ± 2.675
pull
Entries 80
Mean 203.7
Std Dev 166
pull1D
Entries 80
Mean 0.01261
Std Dev 0.5304



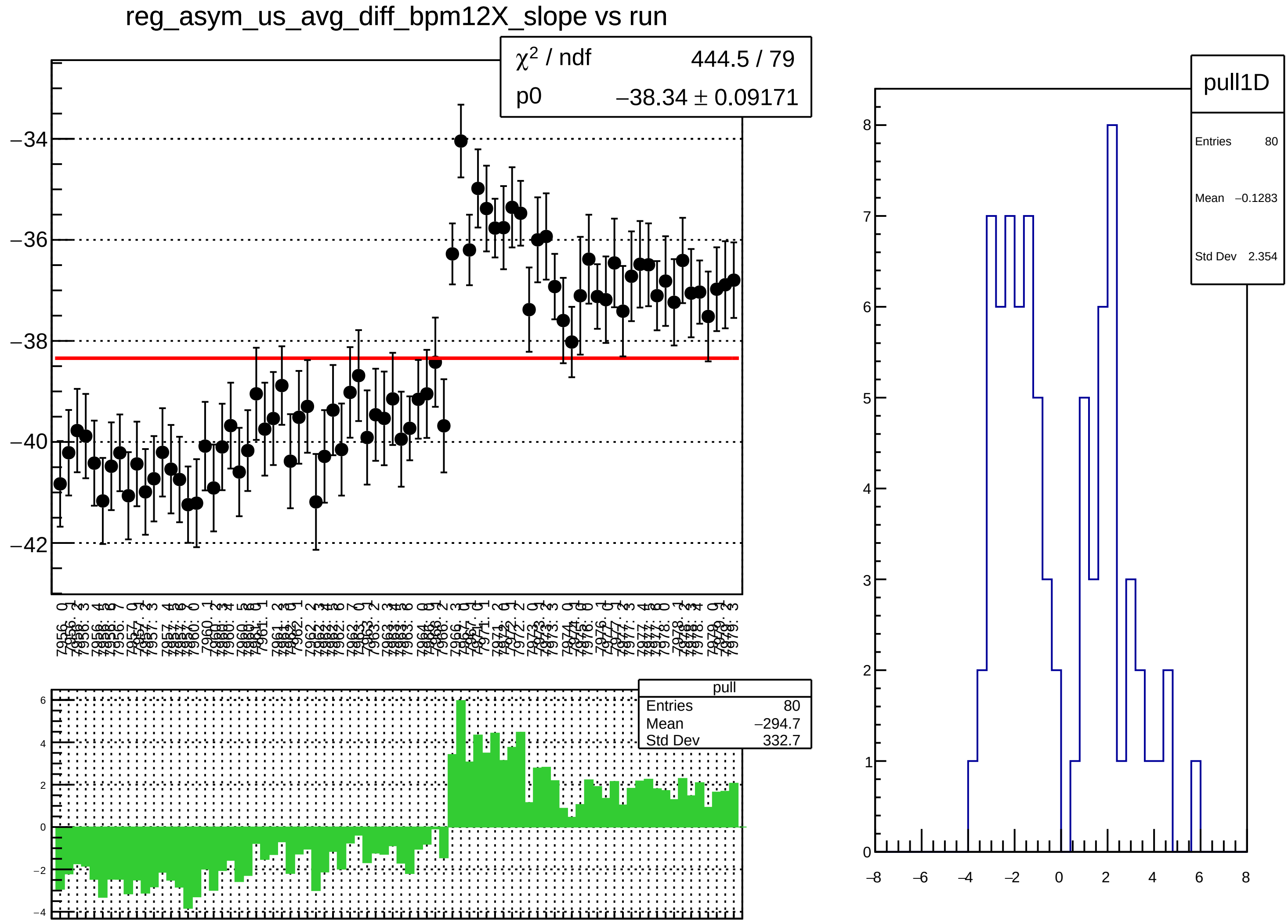
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.15 / 79
p0 12.26 ± 2.775
pull
Entries 80
Mean −463.6
Std Dev 484.7
pull1D
Entries 80
Mean 0.001293
Std Dev 0.4054



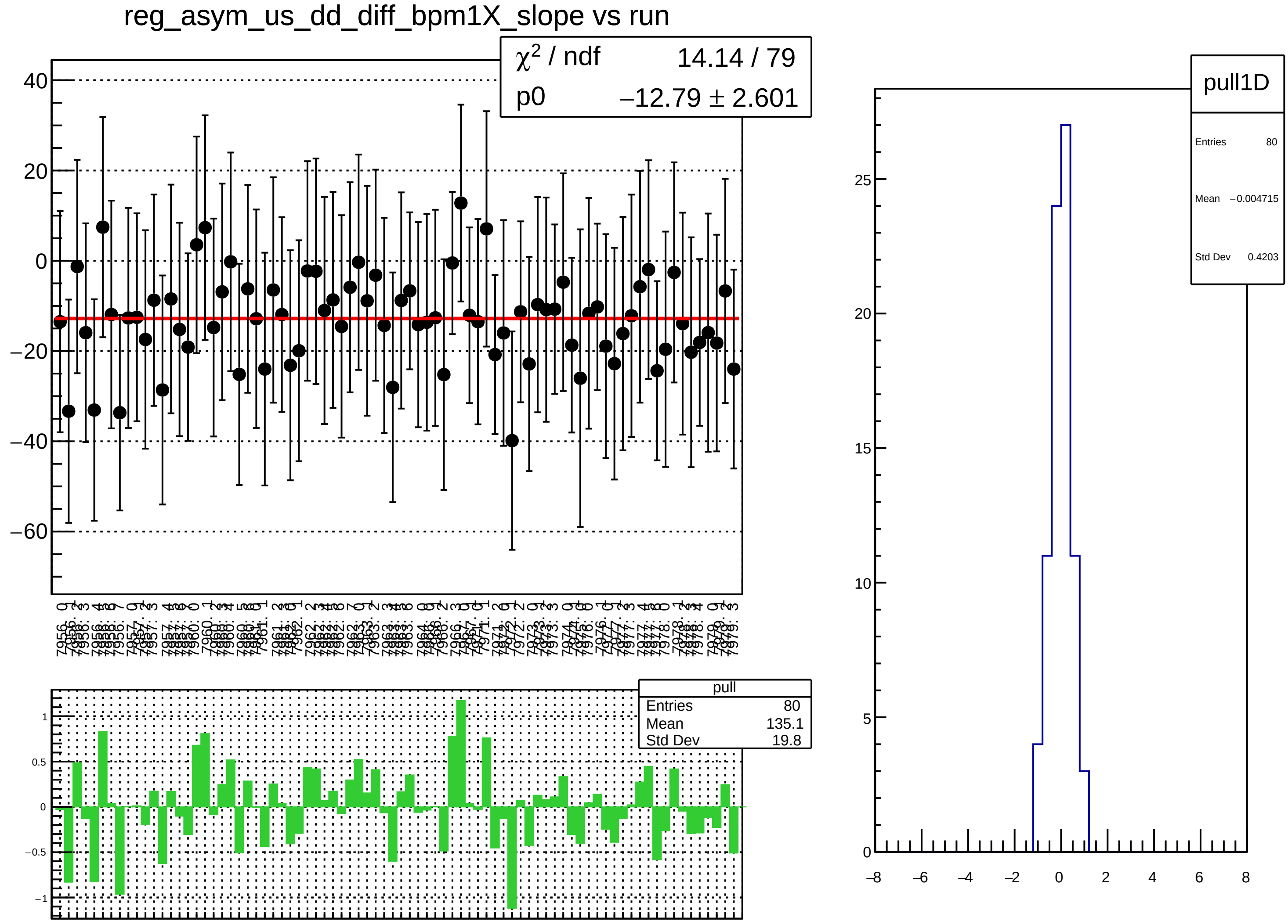
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 21.83 / 79
p0 34.24 ± 2.369
pull
Entries 80
Mean 190.7
Std Dev 154.1
pull1D
Entries 80
Mean −0.01468
Std Dev 0.5221

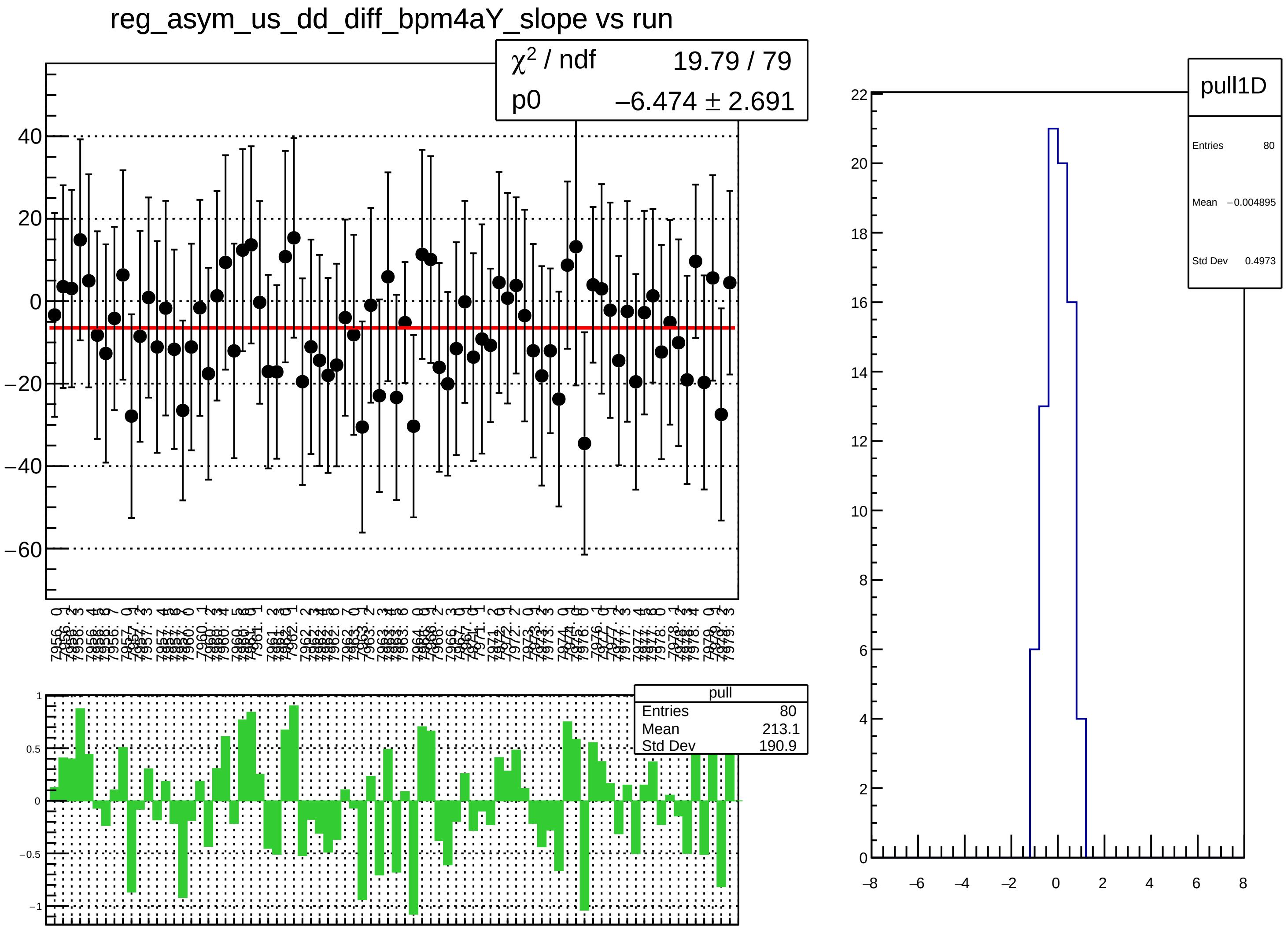


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.26 / 79
p0 6.065 ± 3.178
pull
Entries 80
Mean −307.2
Std Dev 356.2
pull1D
Entries 80
Mean 0.003398
Std Dev 0.4222

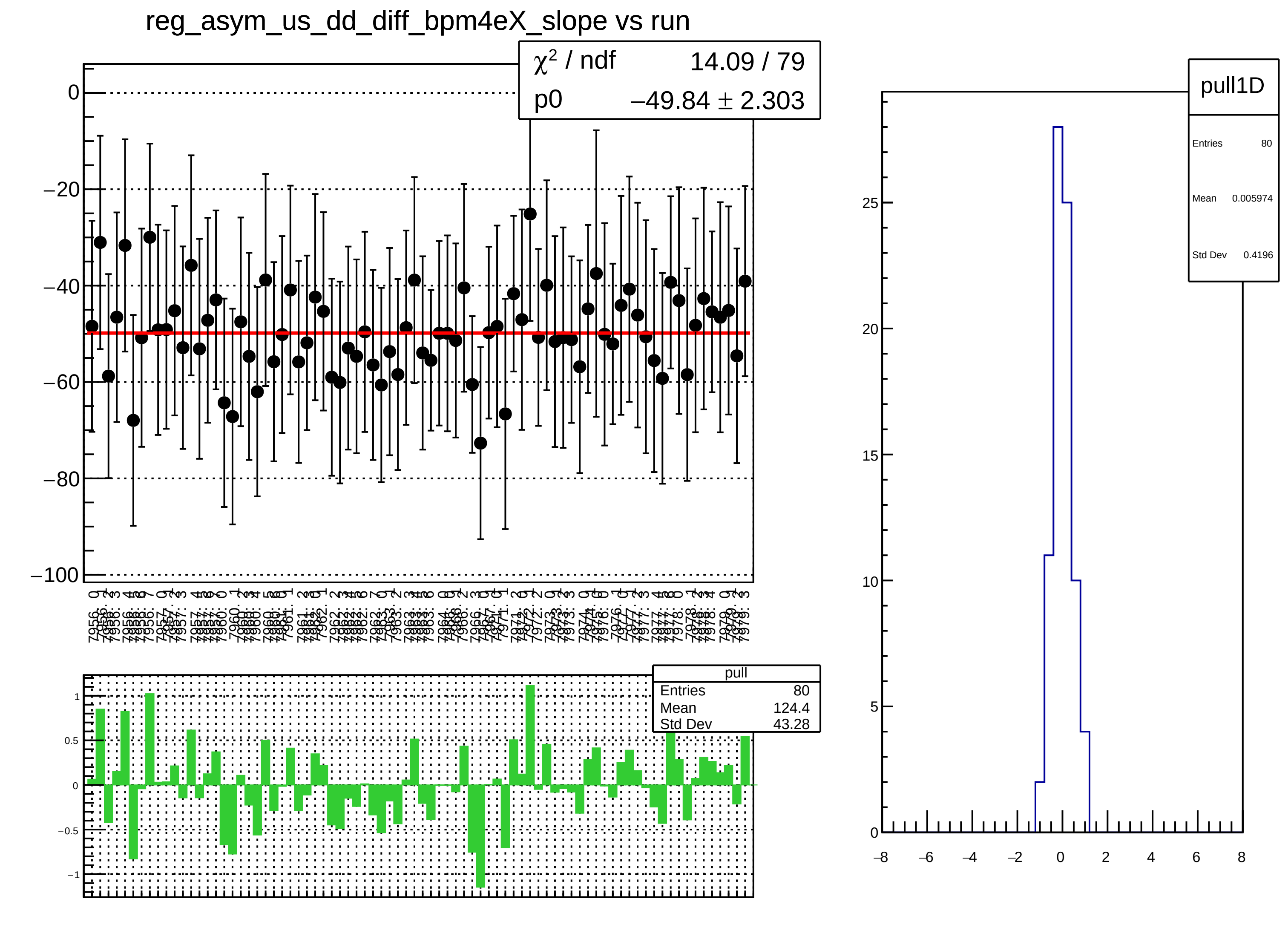


reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 444.5 / 79
p0 −38.34 ± 0.09171
−34
−36
−38
−40
−42
pull
Entries 80
Mean −294.7
Std Dev 332.7
pull1D
Entries 80
Mean −0.1283
Std Dev 2.354

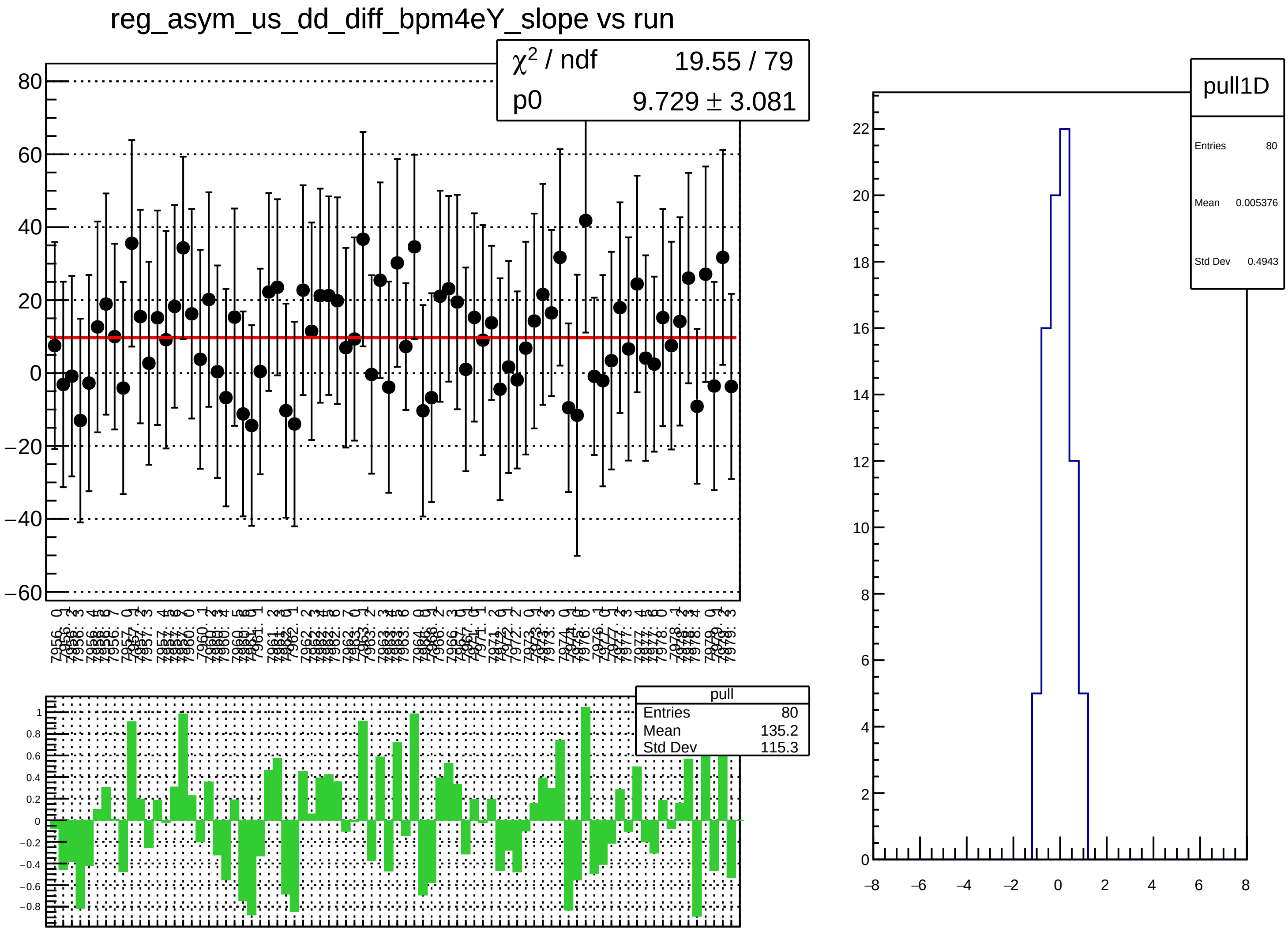

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.14 / 79
p0 −12.79 ± 2.601
pull
Entries 80
Mean 135.1
Std Dev 19.8
pull1D
Entries 80
Mean −0.004715
Std Dev 0.4203

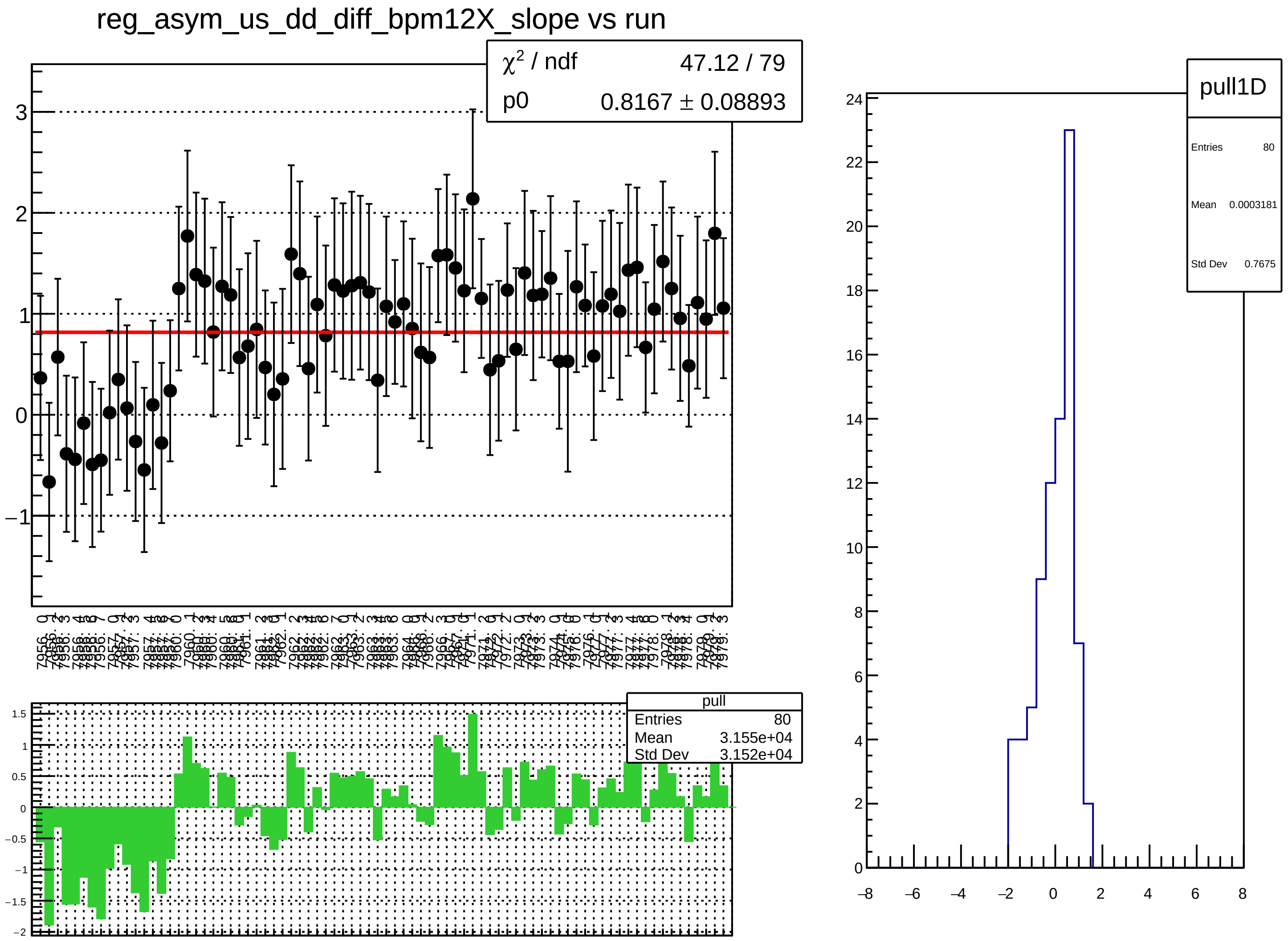


reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 19.79 / 79
p0 −6.474 ± 2.691
pull
Entries 80
Mean 213.1
Std Dev 190.9
pull1D
Entries 80
Mean −0.004895
Std Dev 0.4973

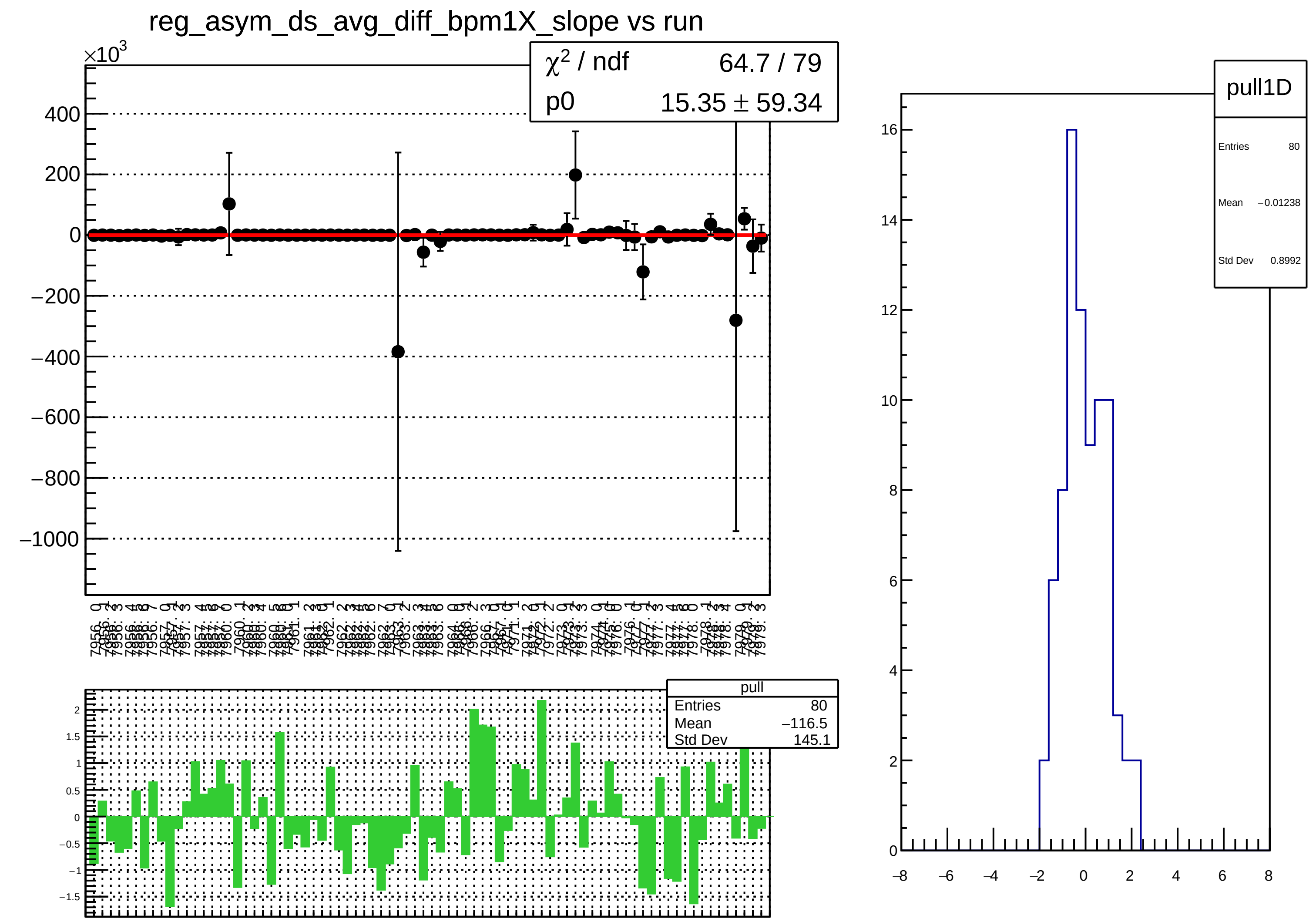


reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 14.09 / 79
p0 −49.84 ± 2.303
pull
Entries 80
Mean 124.4
Std Dev 43.28
pull1D
Entries 80
Mean 0.005974
Std Dev 0.4196

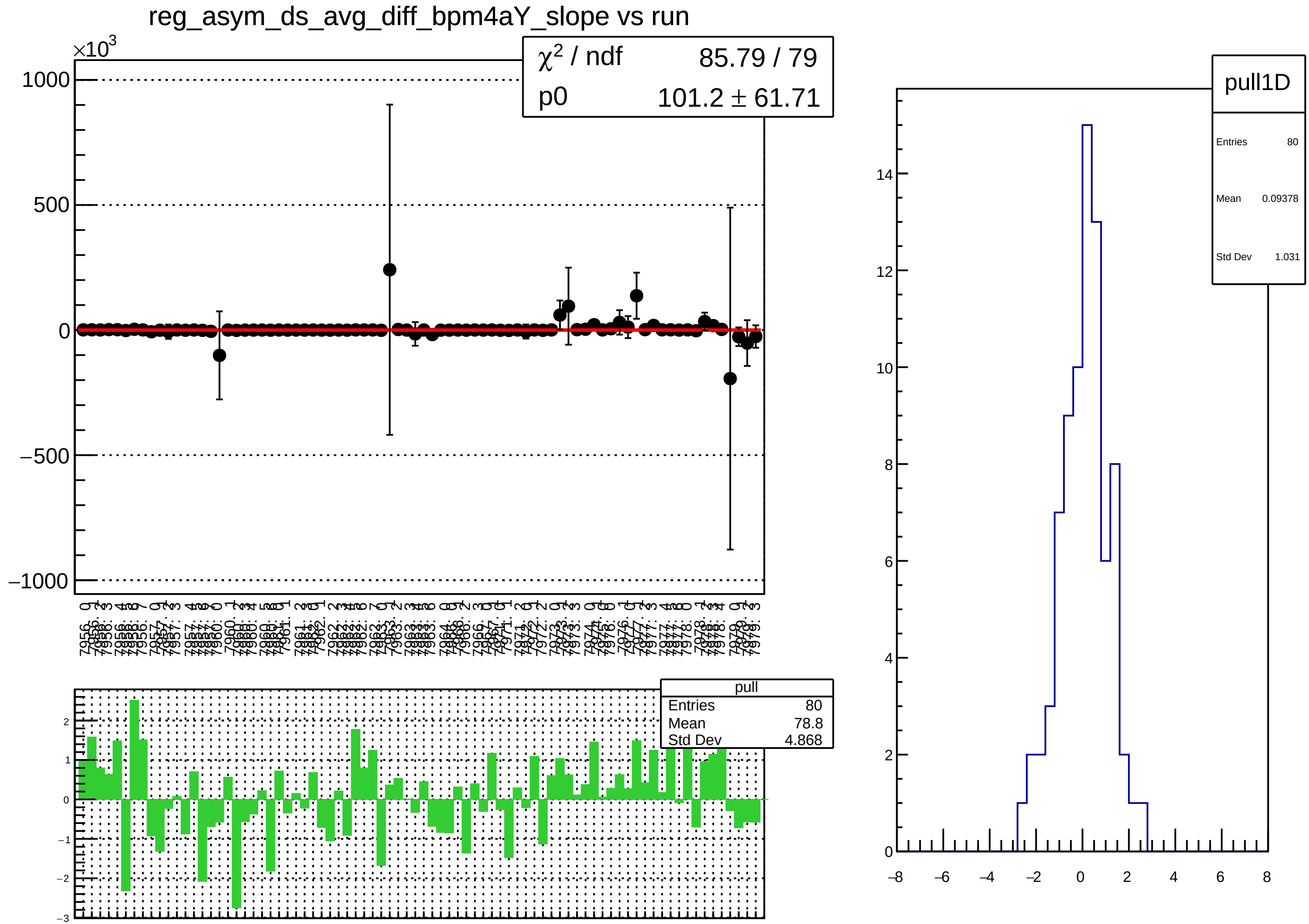

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 19.55 / 79
p0 9.729 ± 3.081
pull
Entries 80
Mean 135.2
Std Dev 115.3
pull1D
Entries 80
Mean 0.005376
Std Dev 0.4943



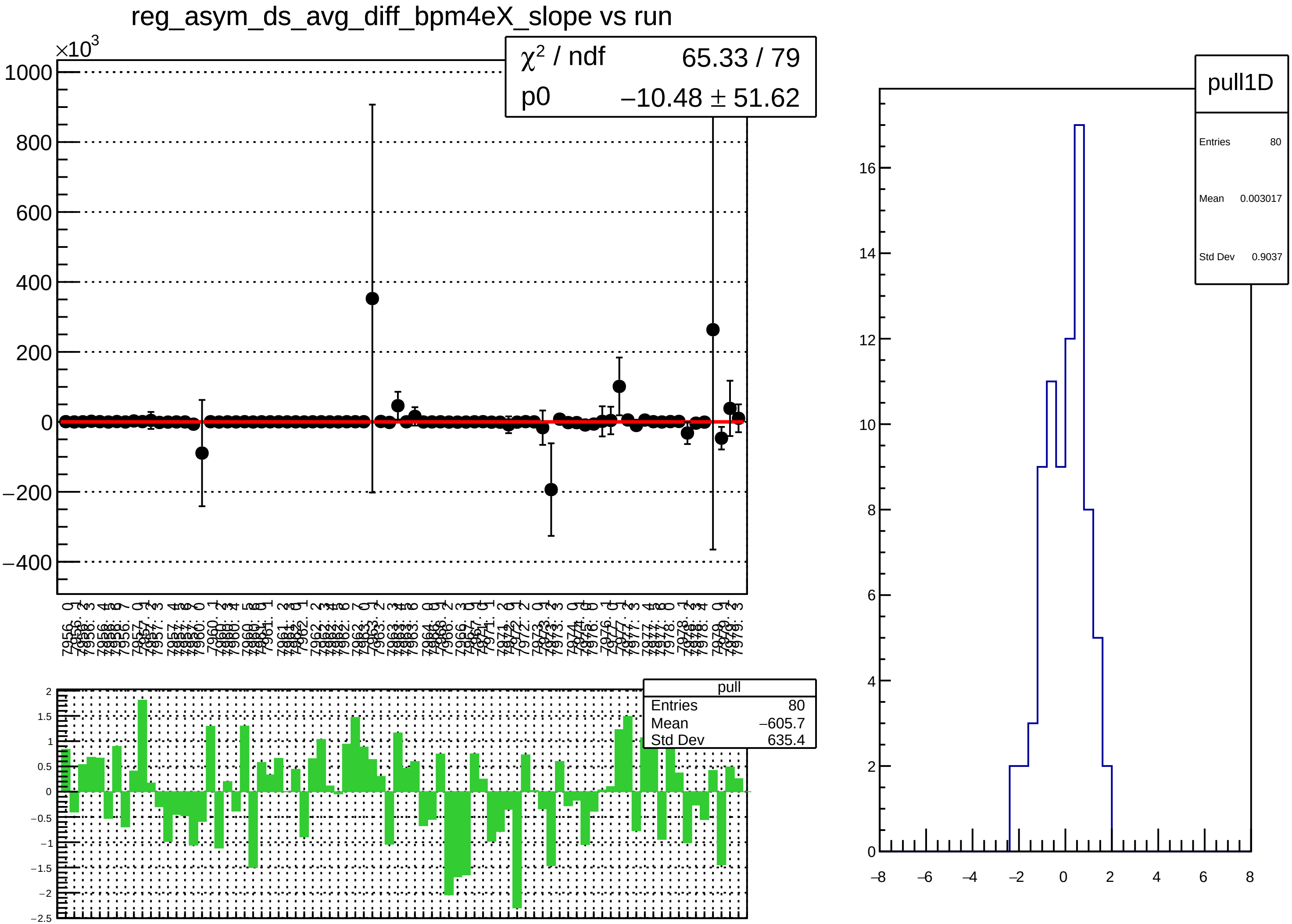
reg_asym_us_dd_diff_bpm12X_slope vs run
χ2 / ndf 47.12 / 79
p0 0.8167 ± 0.08893
pull
Entries 80
Mean 3.155e+04
Std Dev 3.152e+04
pull1D
Entries 80
Mean 0.0003181
Std Dev 0.7675

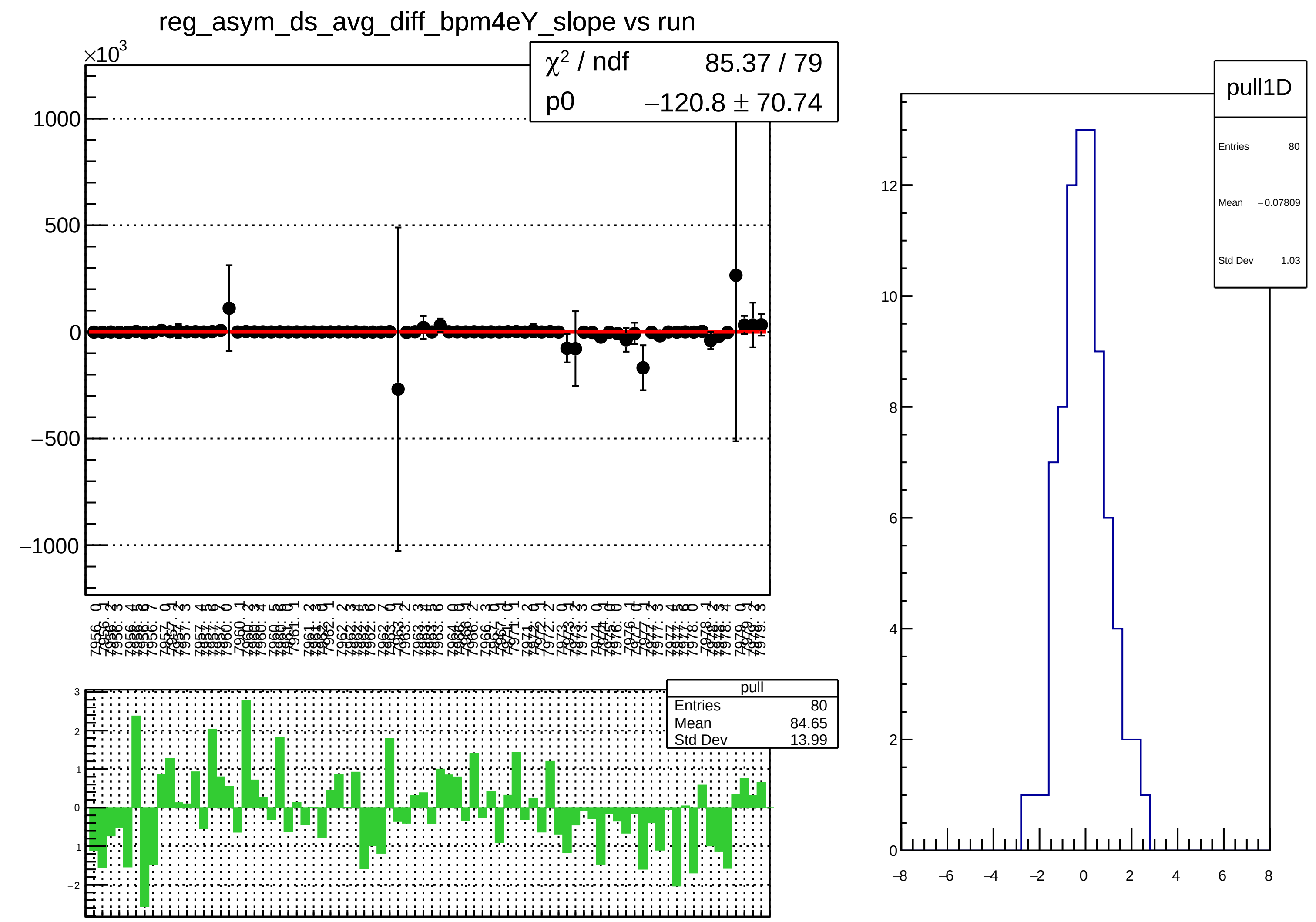


reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 64.7 / 79
p0 15.35 ± 59.34
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 80
Mean −116.5
Std Dev 145.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.01238
Std Dev 0.8992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

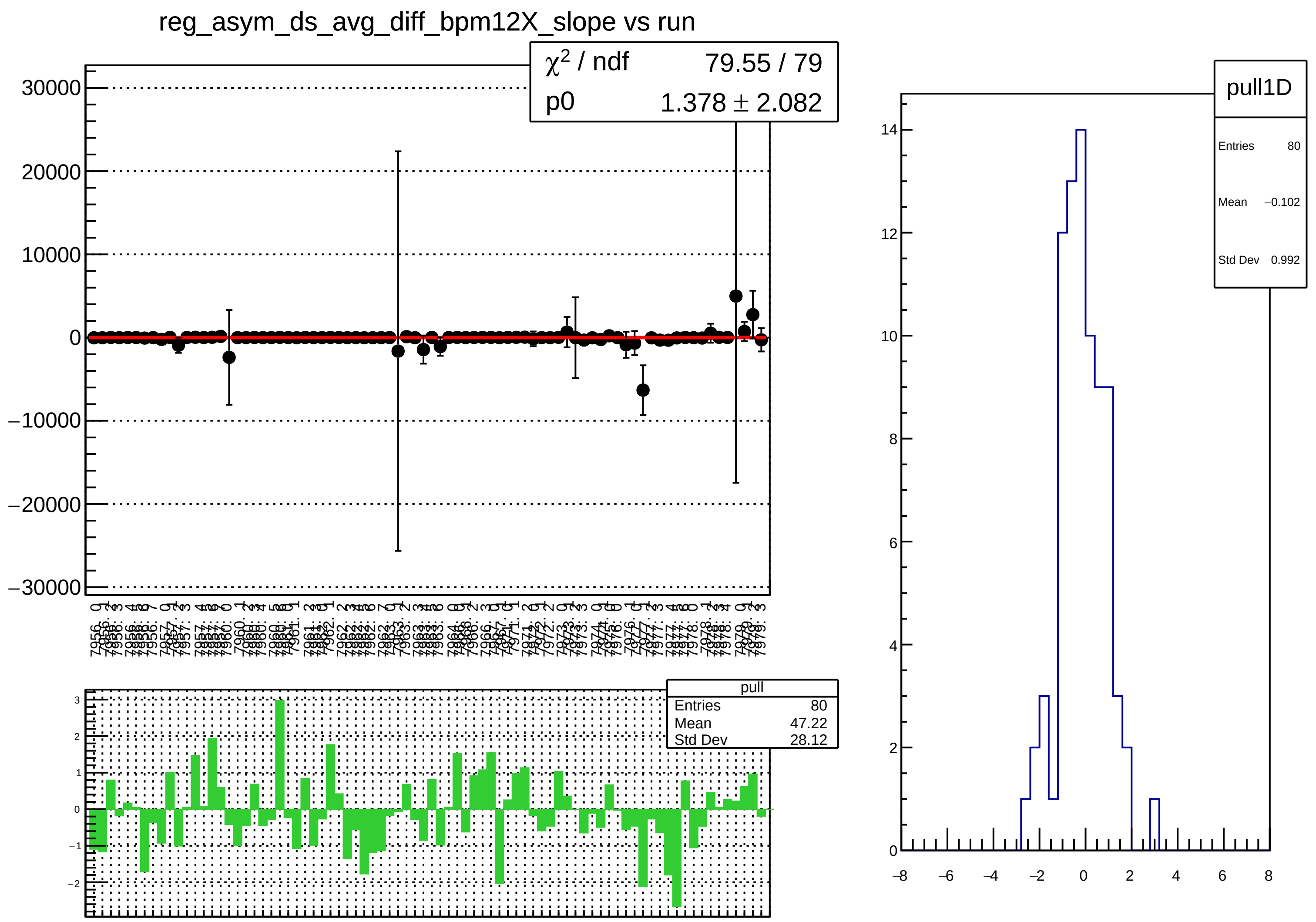


reg_asym_ds_avg_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 85.79 / 79
p0 101.2 ± 61.71
1000
500
0
−500
−1000
pull
Entries 80
Mean 78.8
Std Dev 4.868
pull1D
Entries 80
Mean 0.09378
Std Dev 1.031

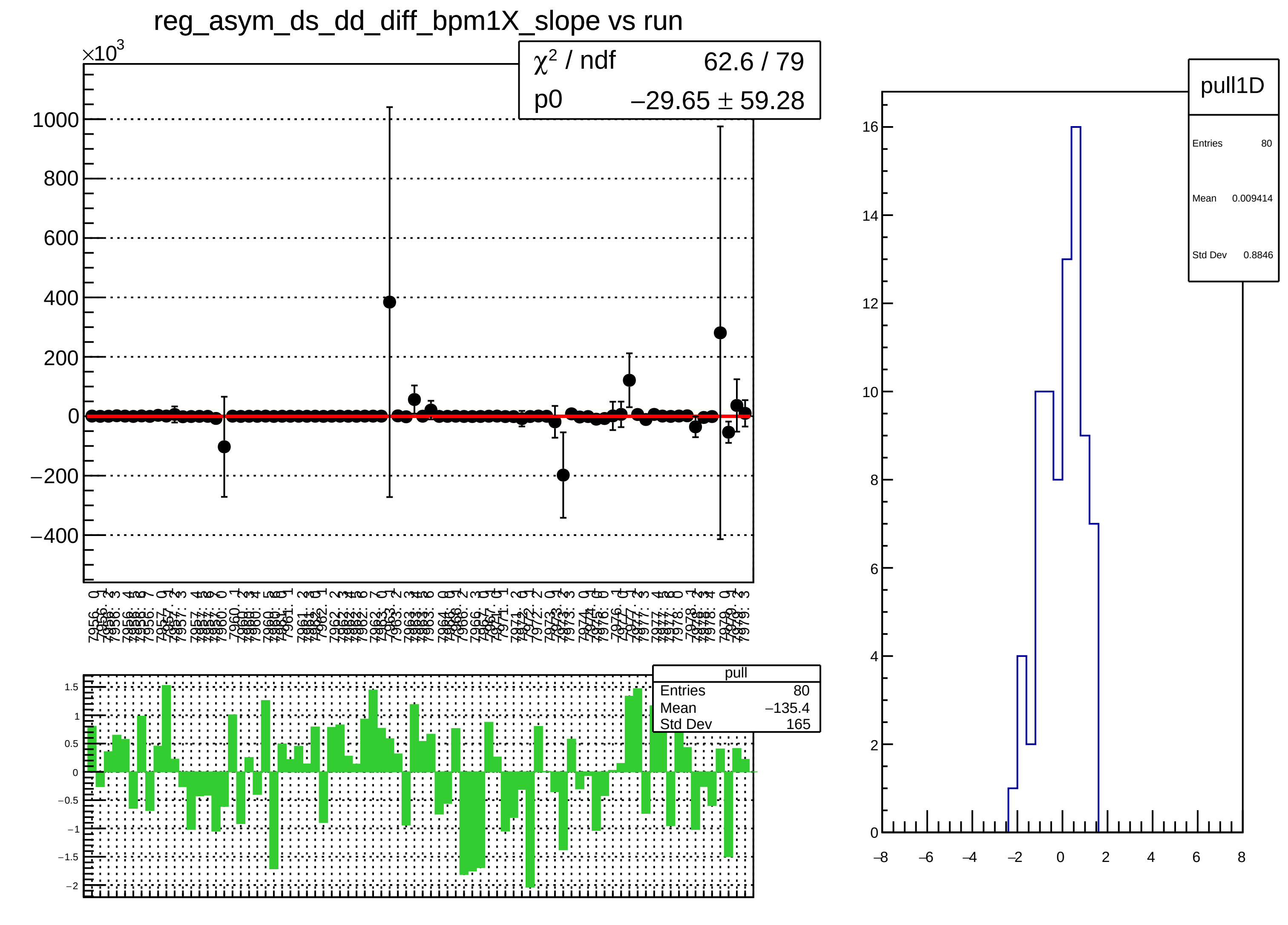

reg_asym_ds_avg_diff_bpm4eX_slope vs run
$\times10^{3}$
χ^2 / ndf 65.33 / 79
p0 −10.48 ± 51.62
pull
Entries 80
Mean −605.7
Std Dev 635.4
pull1D
Entries 80
Mean 0.003017
Std Dev 0.9037



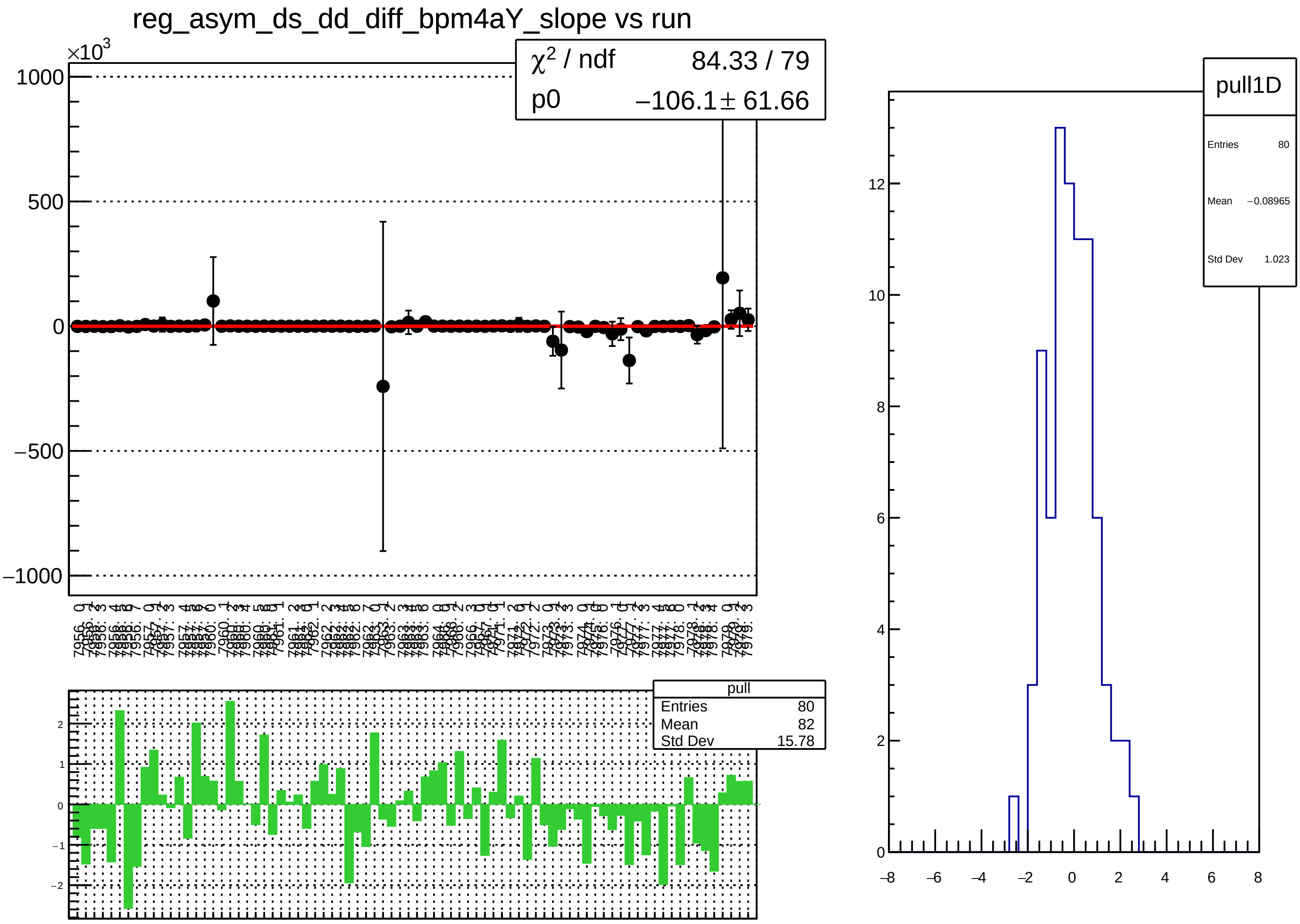
reg_asym_ds_avg_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / ndf 85.37 / 79
p0 −120.8 ± 70.74
pull
Entries 80
Mean 84.65
Std Dev 13.99
pull1D
Entries 80
Mean −0.07809
Std Dev 1.03



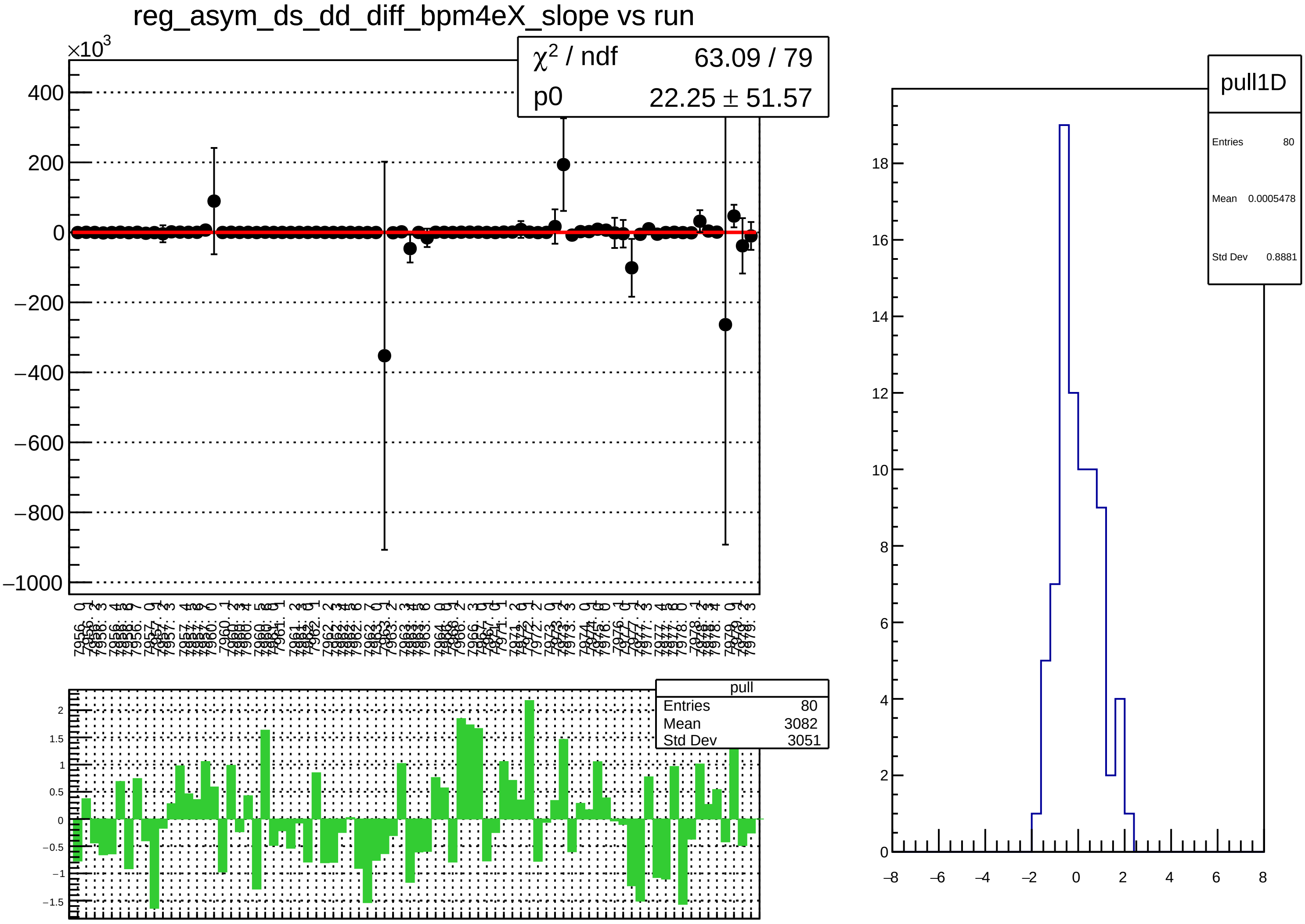
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 79.55 / 79
p0 1.378 ± 2.082
pull
Entries 80
Mean 47.22
Std Dev 28.12
pull1D
Entries 80
Mean −0.102
Std Dev 0.992



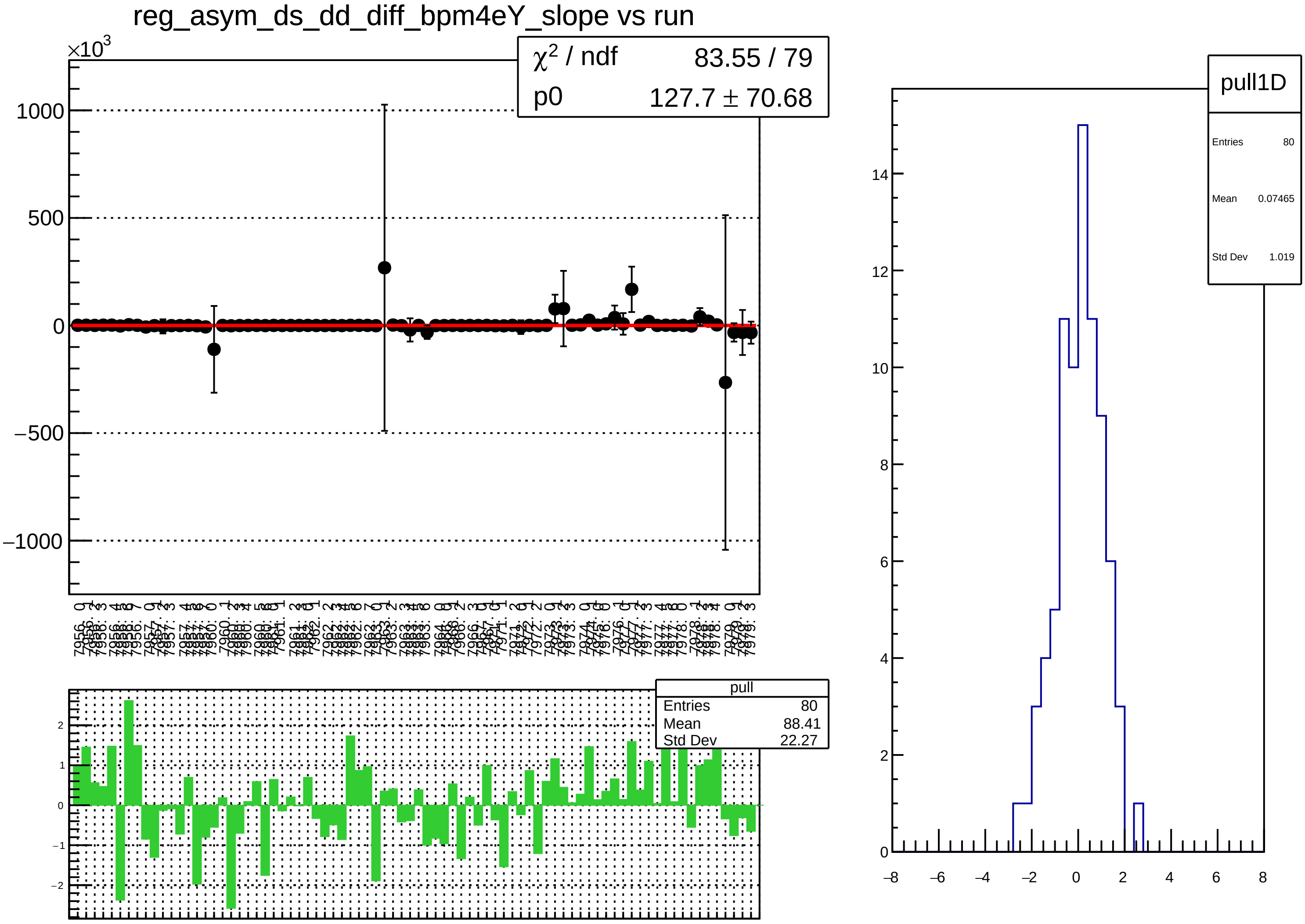
reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 62.6 / 79
p0 −29.65 ± 59.28
1000
800
600
400
200
0
−200
−400
pull
Entries 80
Mean −135.4
Std Dev 165
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.009414
Std Dev 0.8846
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



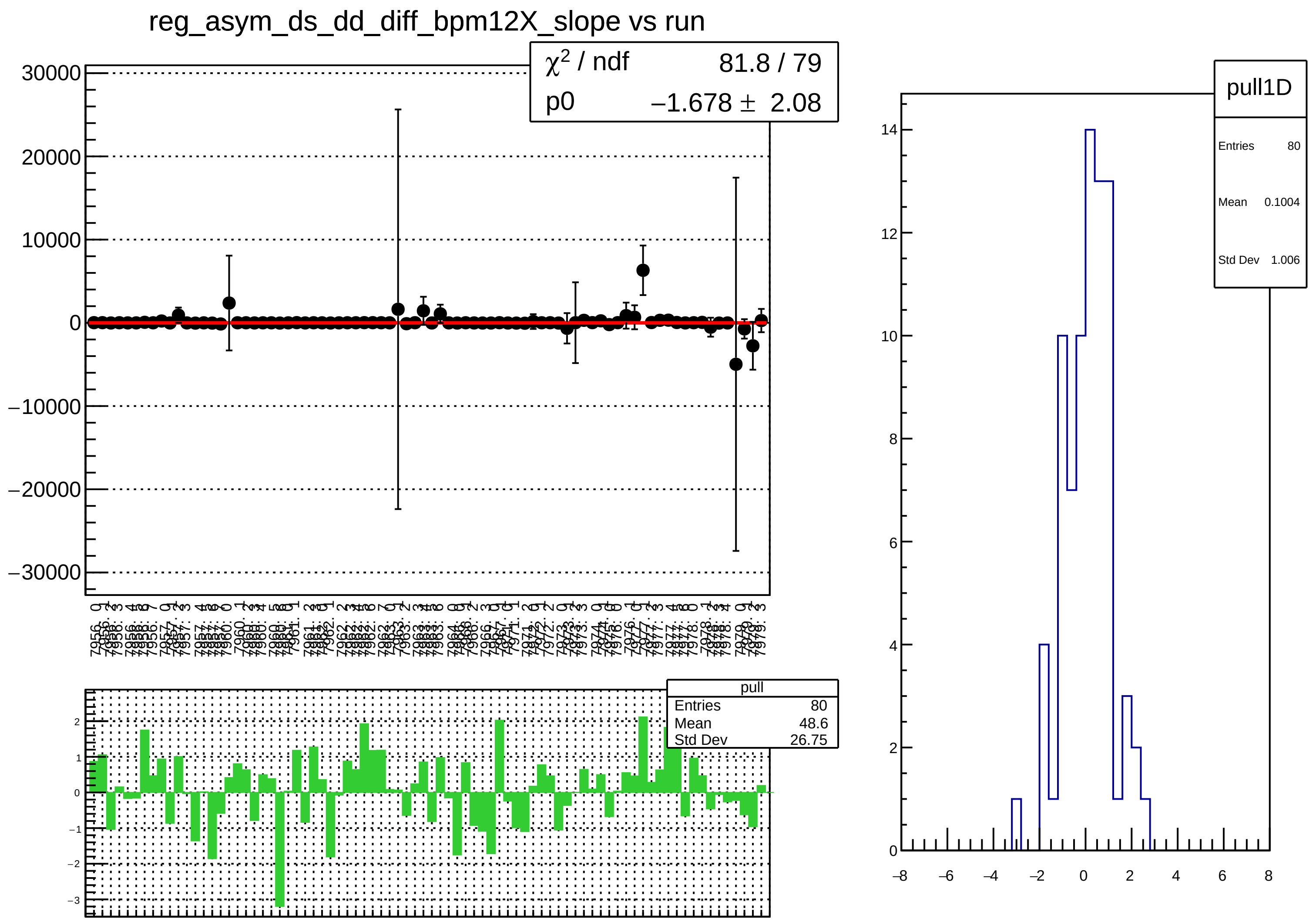
reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ2 / ndf 84.33 / 79
p0 −106.1 ± 61.66
pull
Entries 80
Mean 82
Std Dev 15.78
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.08965
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



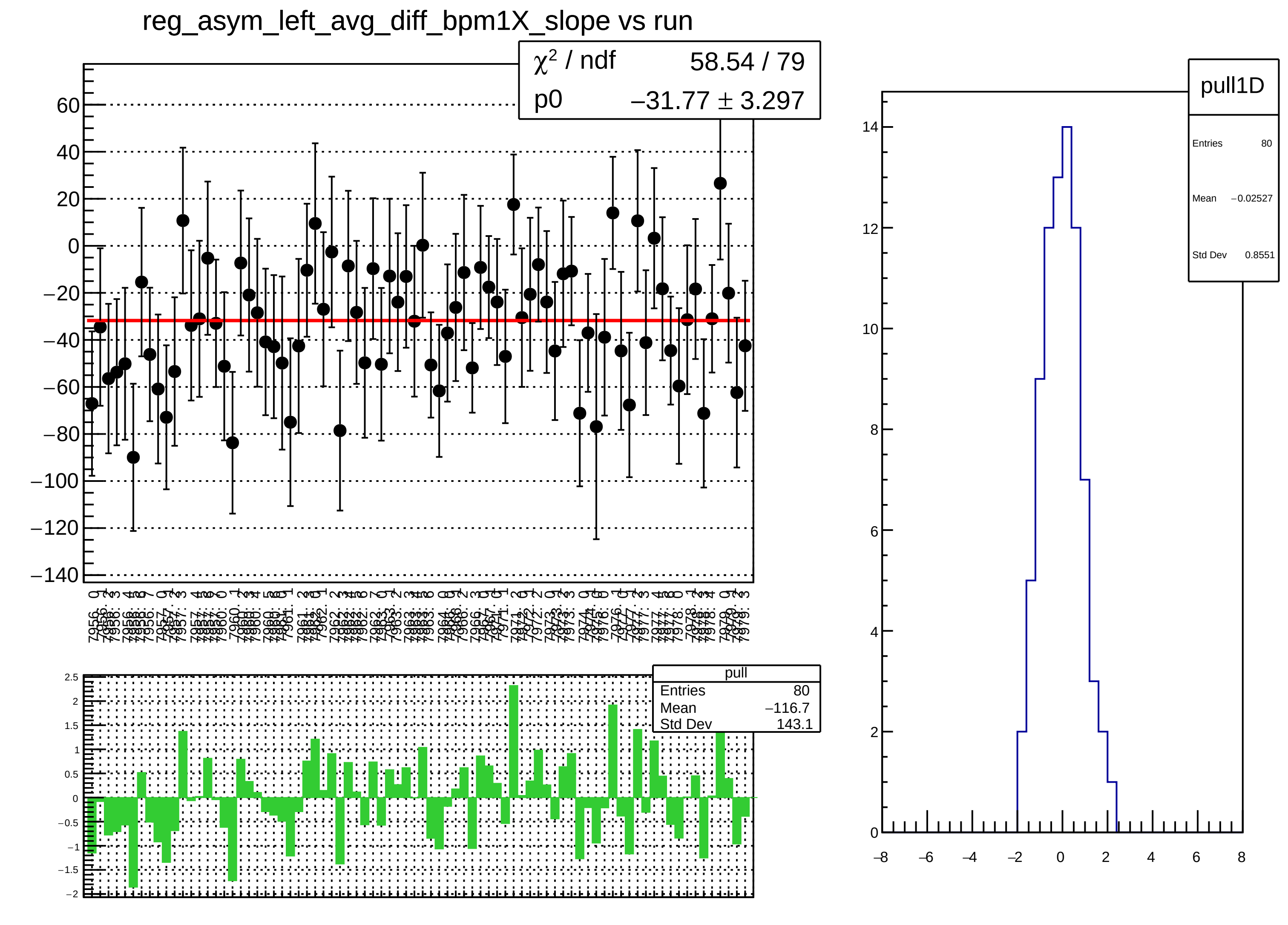
reg_asym_ds_dd_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 63.09 / 79
p0 22.25 ± 51.57
pull
Entries 80
Mean 3082
Std Dev 3051
pull1D
Entries 80
Mean 0.0005478
Std Dev 0.8881



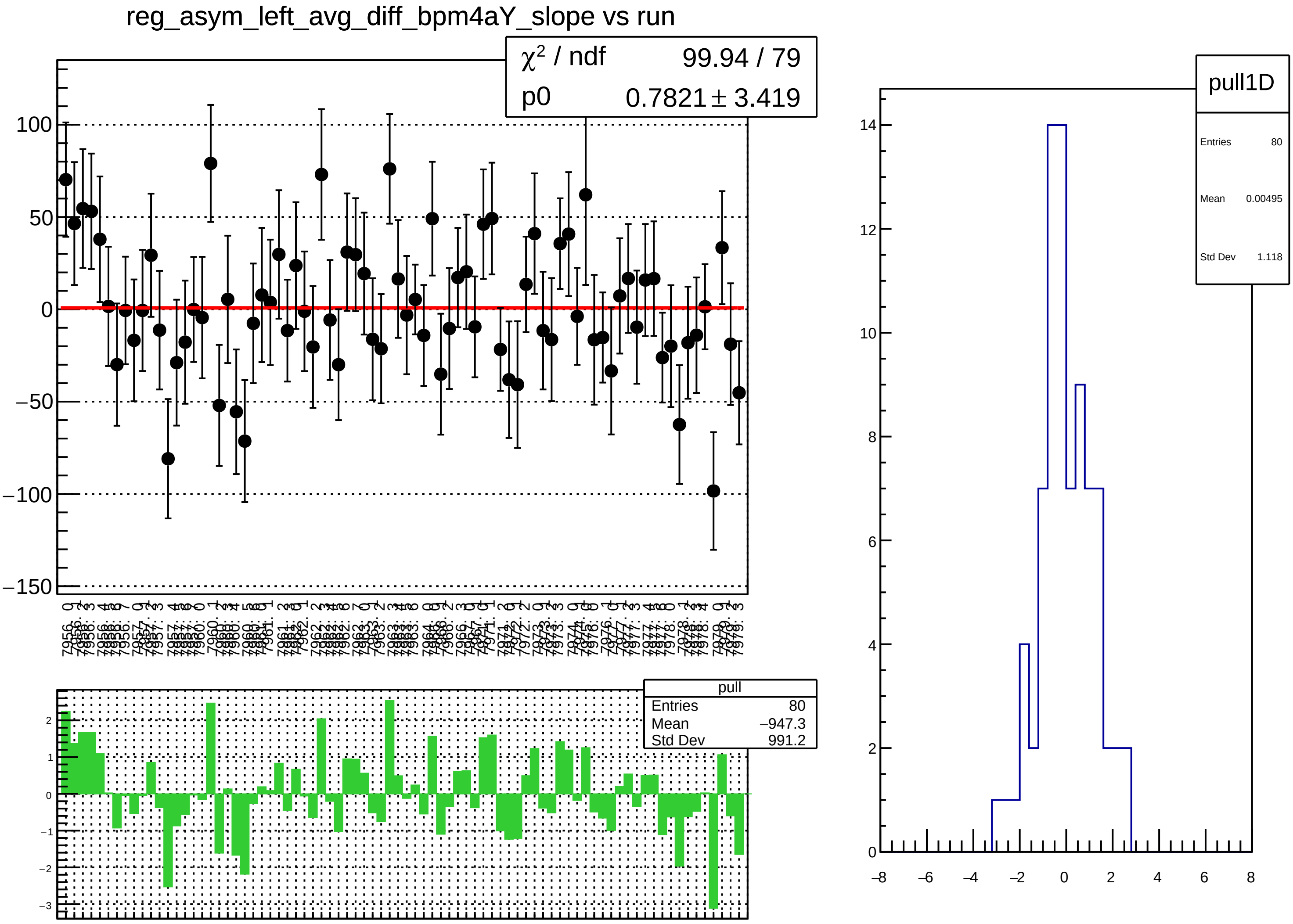
reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 83.55 / 79
p0 127.7 ± 70.68
pull
Entries 80
Mean 88.41
Std Dev 22.27
pull1D
Entries 80
Mean 0.07465
Std Dev 1.019



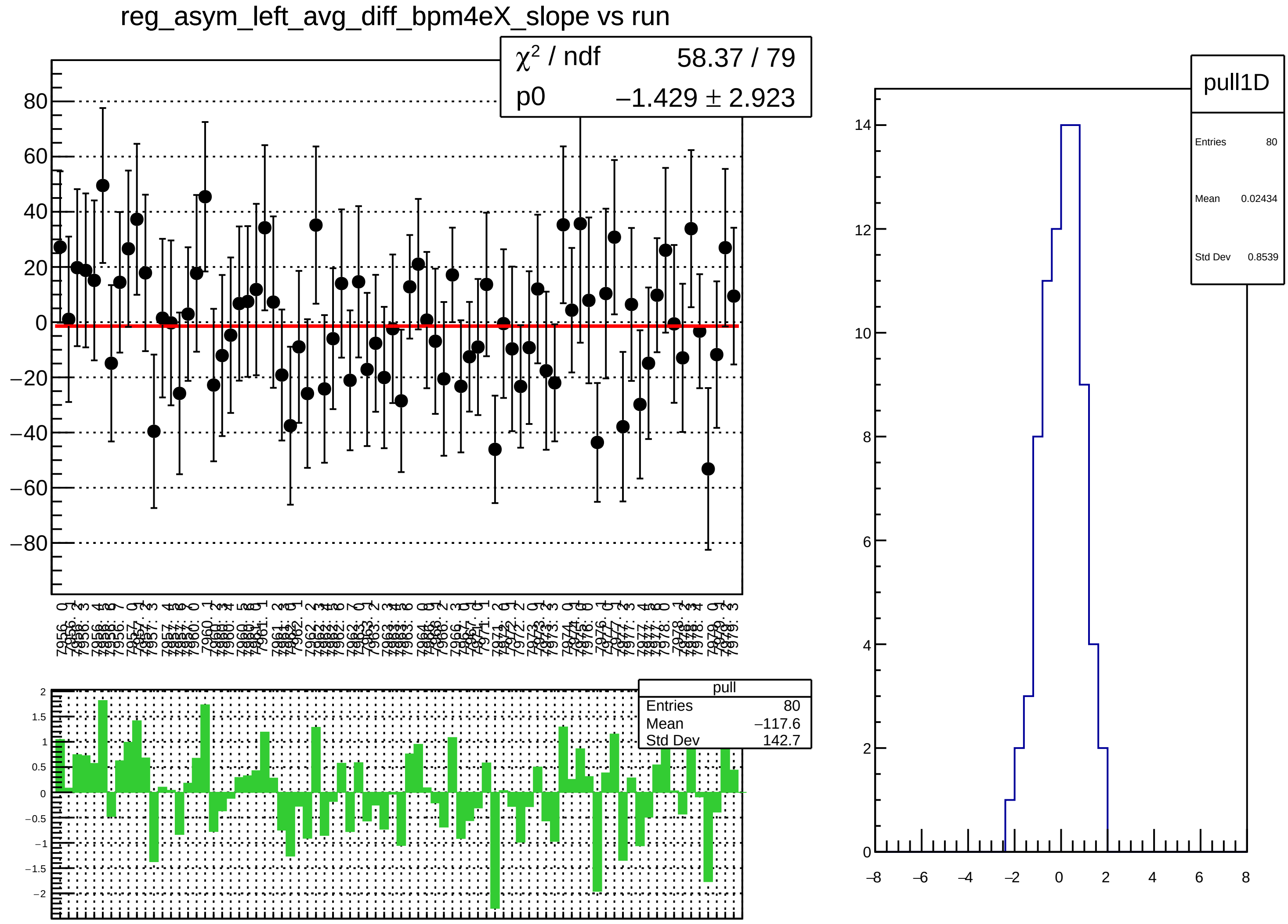
reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 81.8 / 79
p0 −1.678 ± 2.08
pull
Entries 80
Mean 48.6
Std Dev 26.75
pull1D
Entries 80
Mean 0.1004
Std Dev 1.006



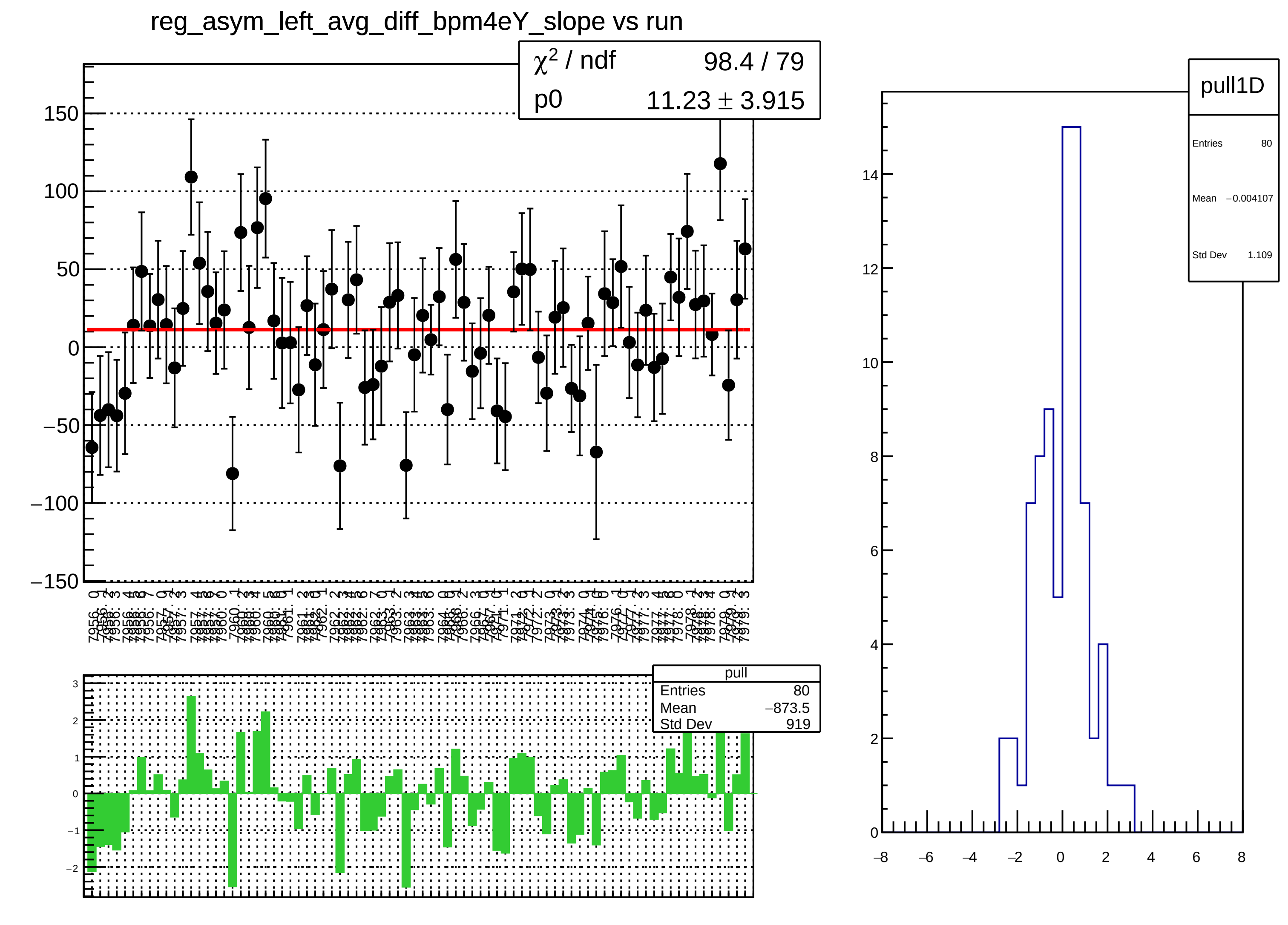
reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.54 / 79
p0 −31.77 ± 3.297
pull
Entries 80
Mean −116.7
Std Dev 143.1
pull1D
Entries 80
Mean −0.02527
Std Dev 0.8551

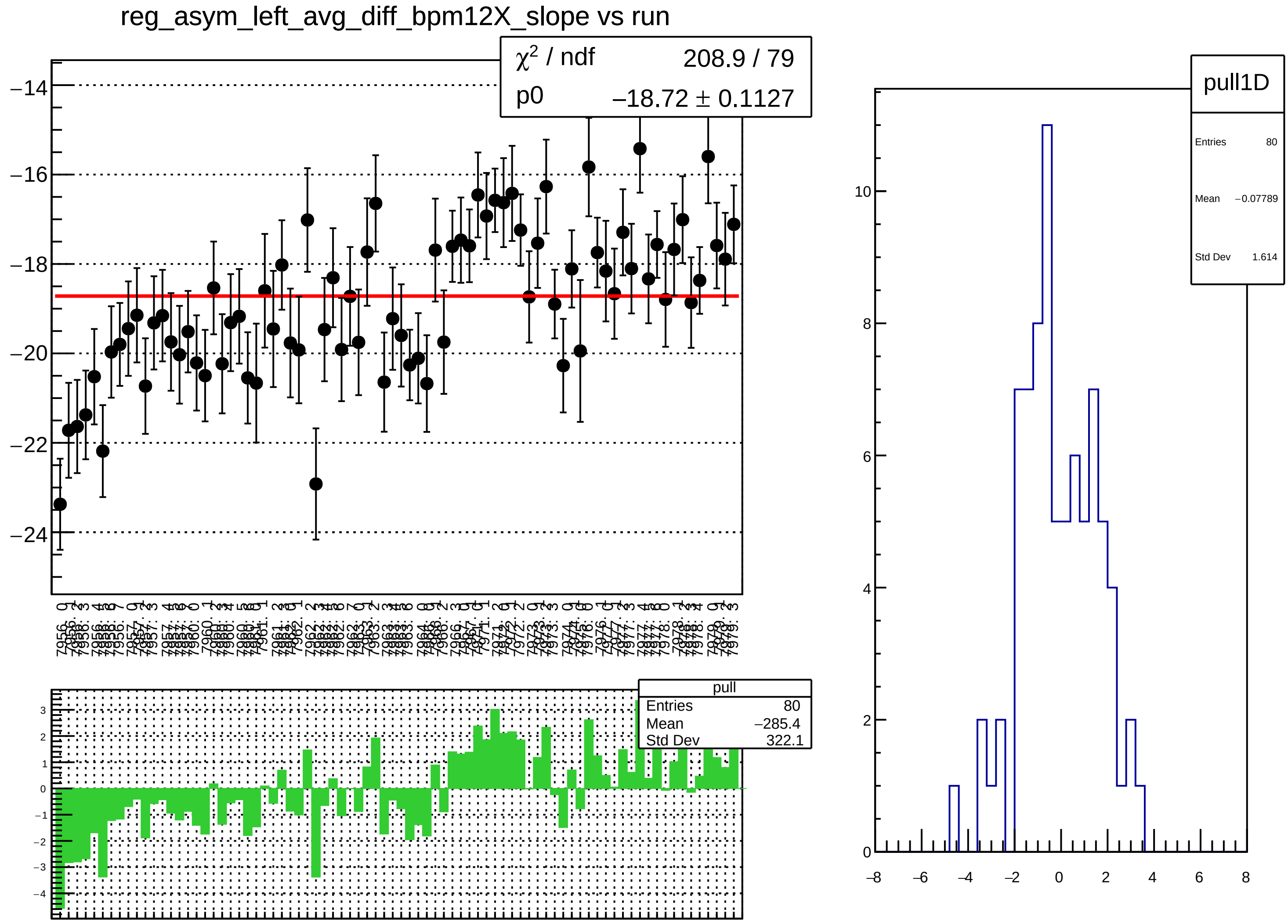


reg_asym_left_avg_diff_bpm4aY_slope vs run
χ2 / ndf 99.94 / 79
p0 0.7821 ± 3.419
pull
Entries 80
Mean −947.3
Std Dev 991.2
pull1D
Entries 80
Mean 0.00495
Std Dev 1.118

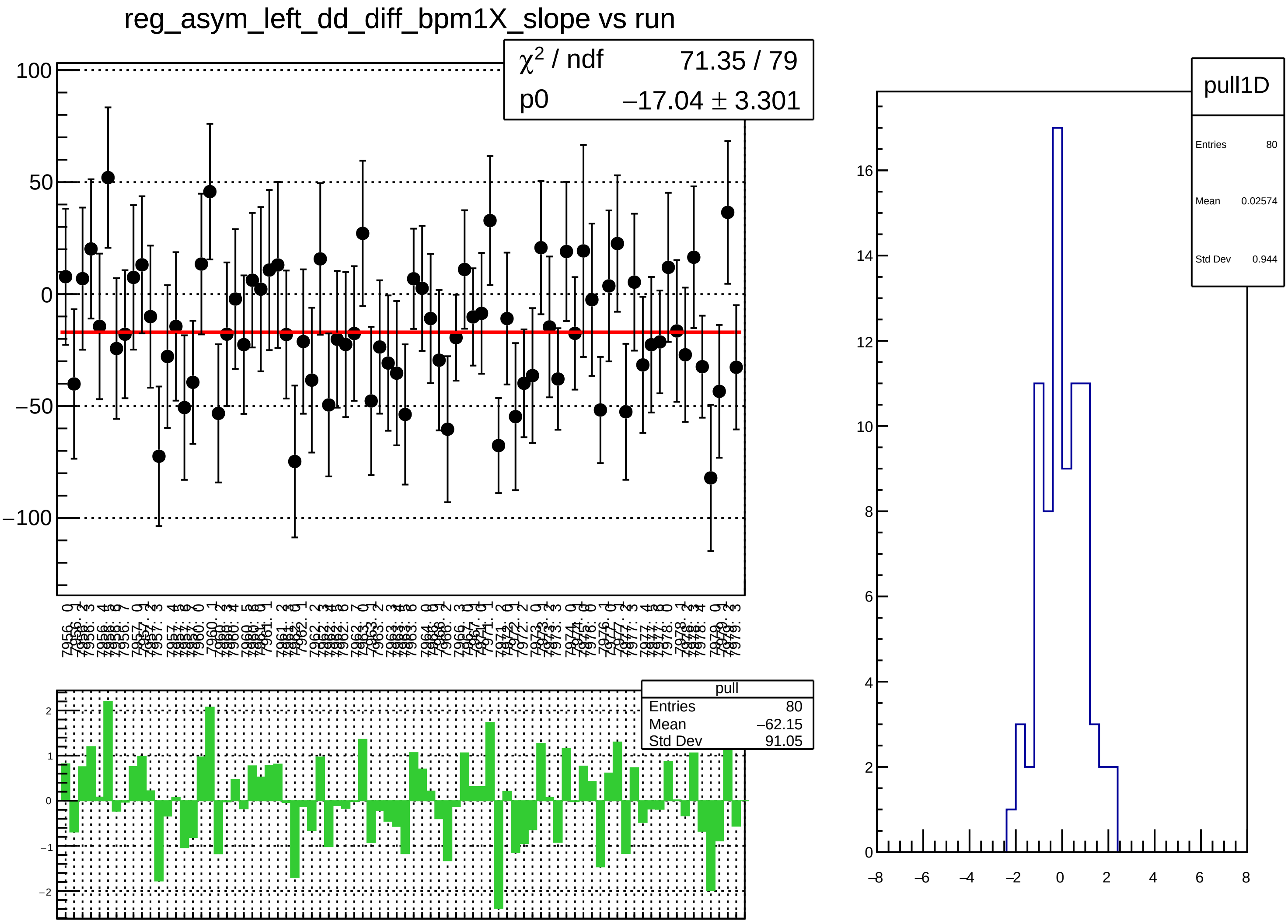


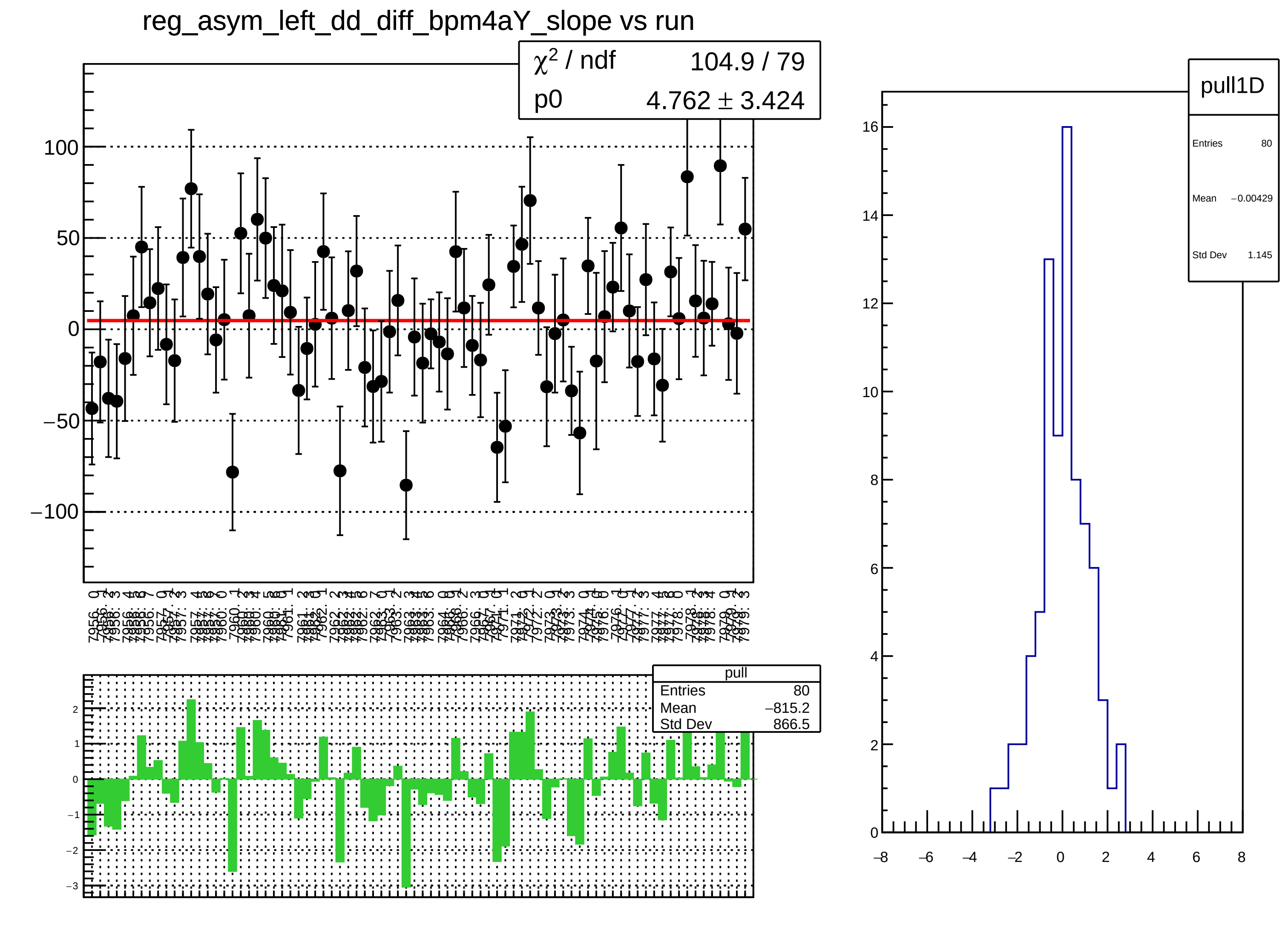
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 58.37 / 79
p0 −1.429 ± 2.923
pull
Entries 80
Mean −117.6
Std Dev 142.7
pull1D
Entries 80
Mean 0.02434
Std Dev 0.8539


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 98.4 / 79
p0 11.23 ± 3.915
150
100
50
0
−50
−100
−150
pull
Entries 80
Mean −873.5
Std Dev 919
3
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.004107
Std Dev 1.109
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

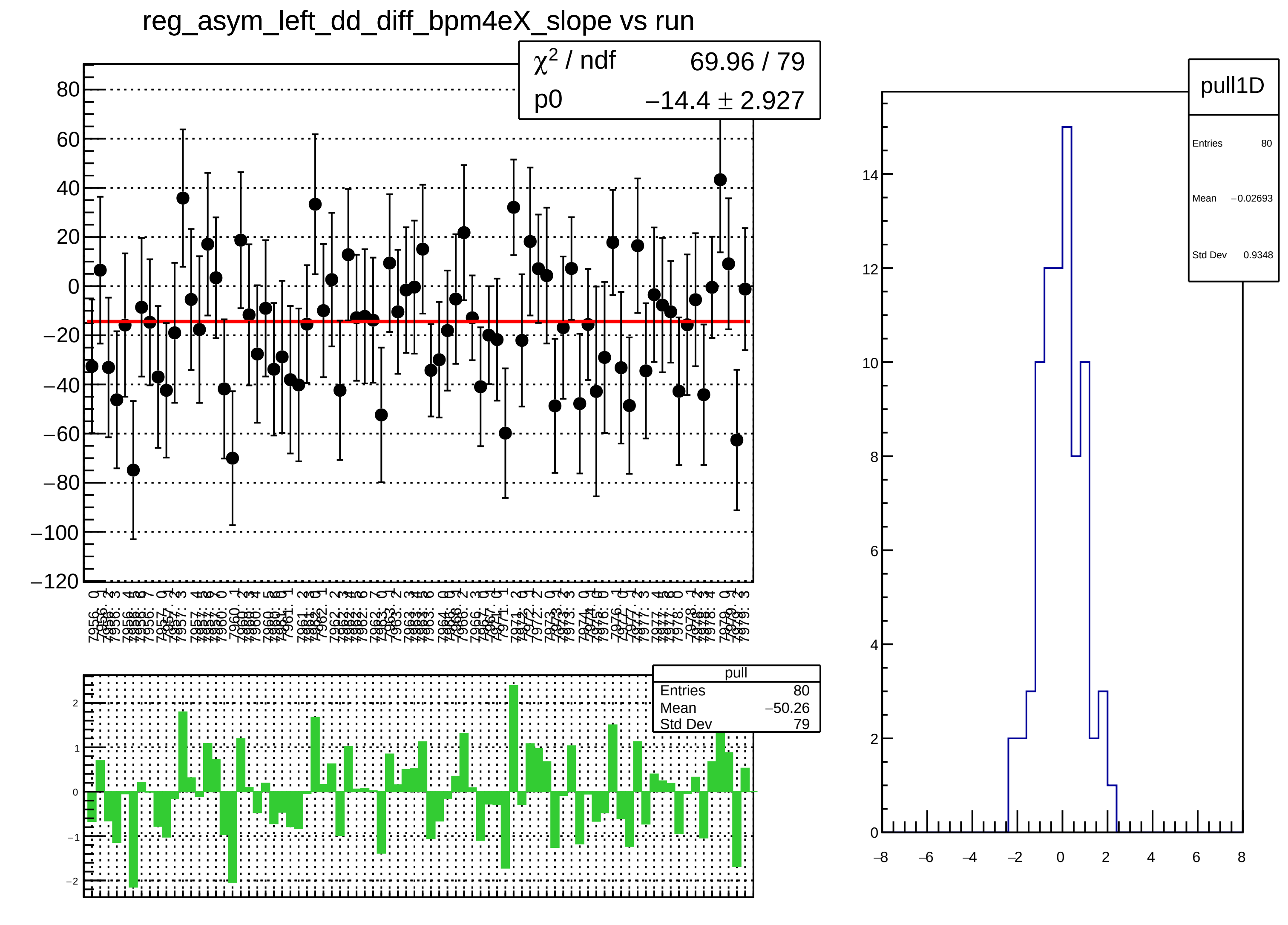


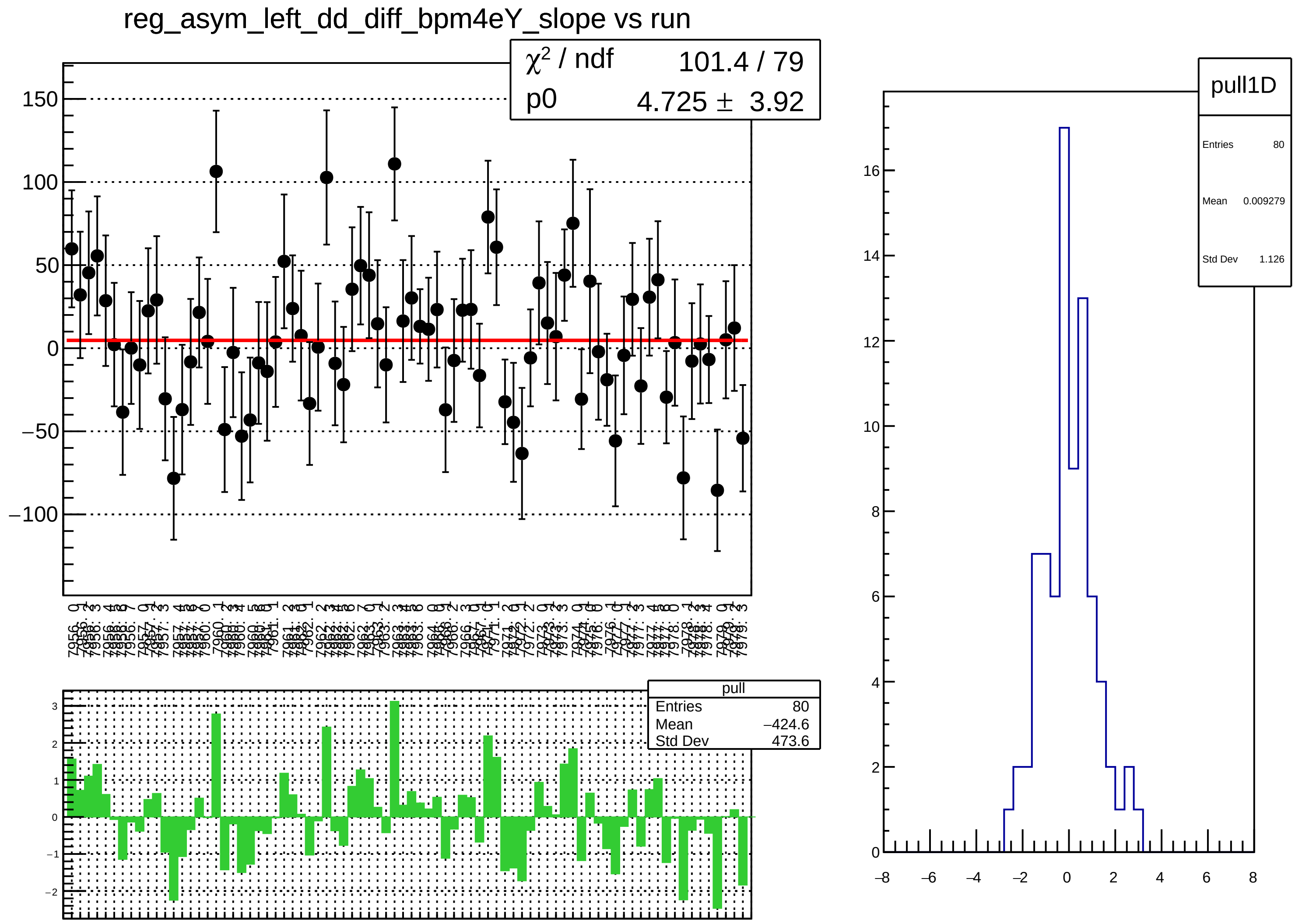
reg_asym_left_avg_diff_bpm12X_slope vs run
χ2 / ndf 208.9 / 79
p0 −18.72 ± 0.1127
pull
Entries 80
Mean −285.4
Std Dev 322.1
pull1D
Entries 80
Mean −0.07789
Std Dev 1.614


reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 71.35 / 79
p0 −17.04 ± 3.301
pull
Entries 80
Mean −62.15
Std Dev 91.05
pull1D
Entries 80
Mean 0.02574
Std Dev 0.944

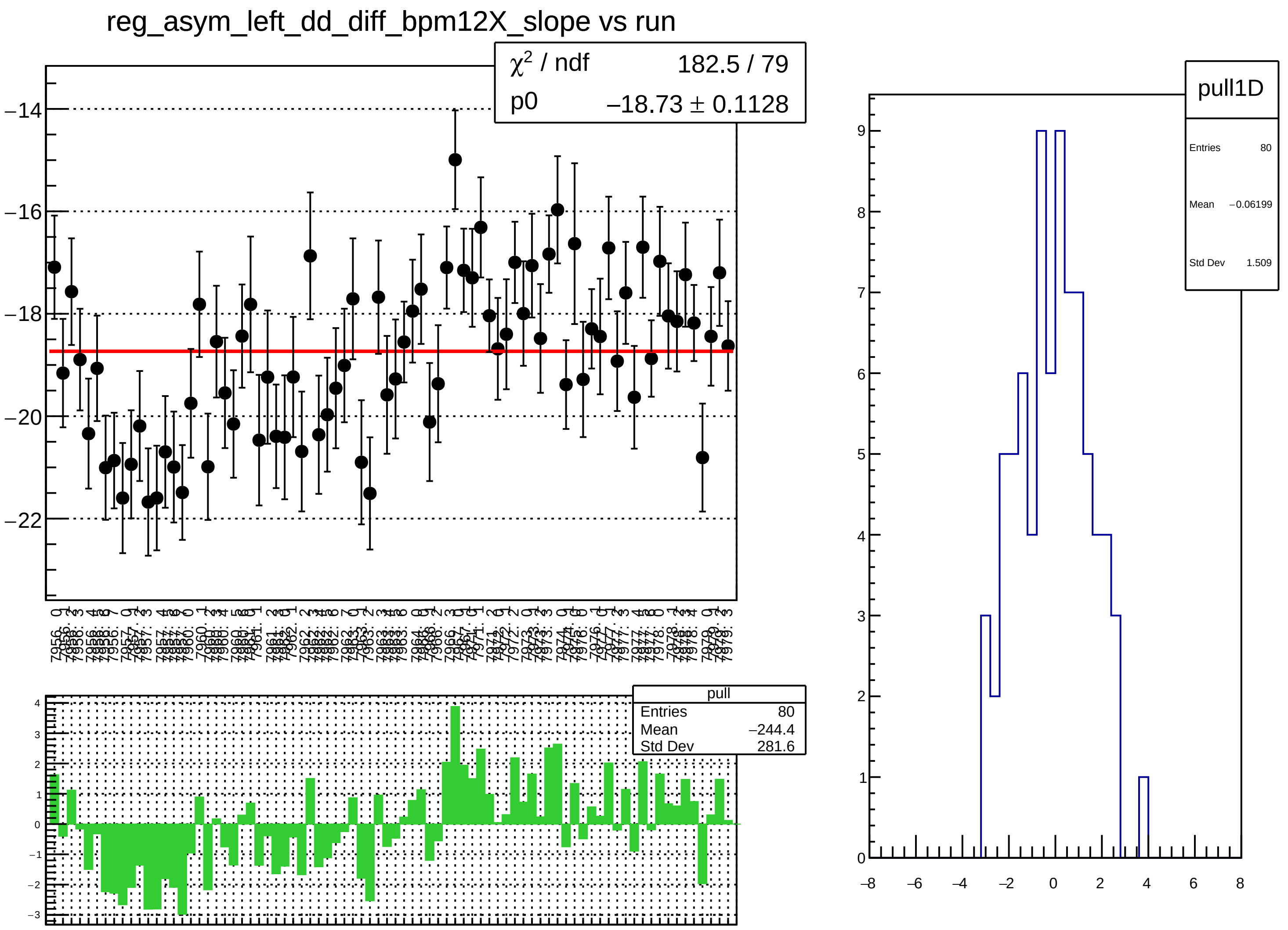


reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 104.9 / 79
p0 4.762 ± 3.424
pull
Entries 80
Mean −815.2
Std Dev 866.5
pull1D
Entries 80
Mean −0.00429
Std Dev 1.145

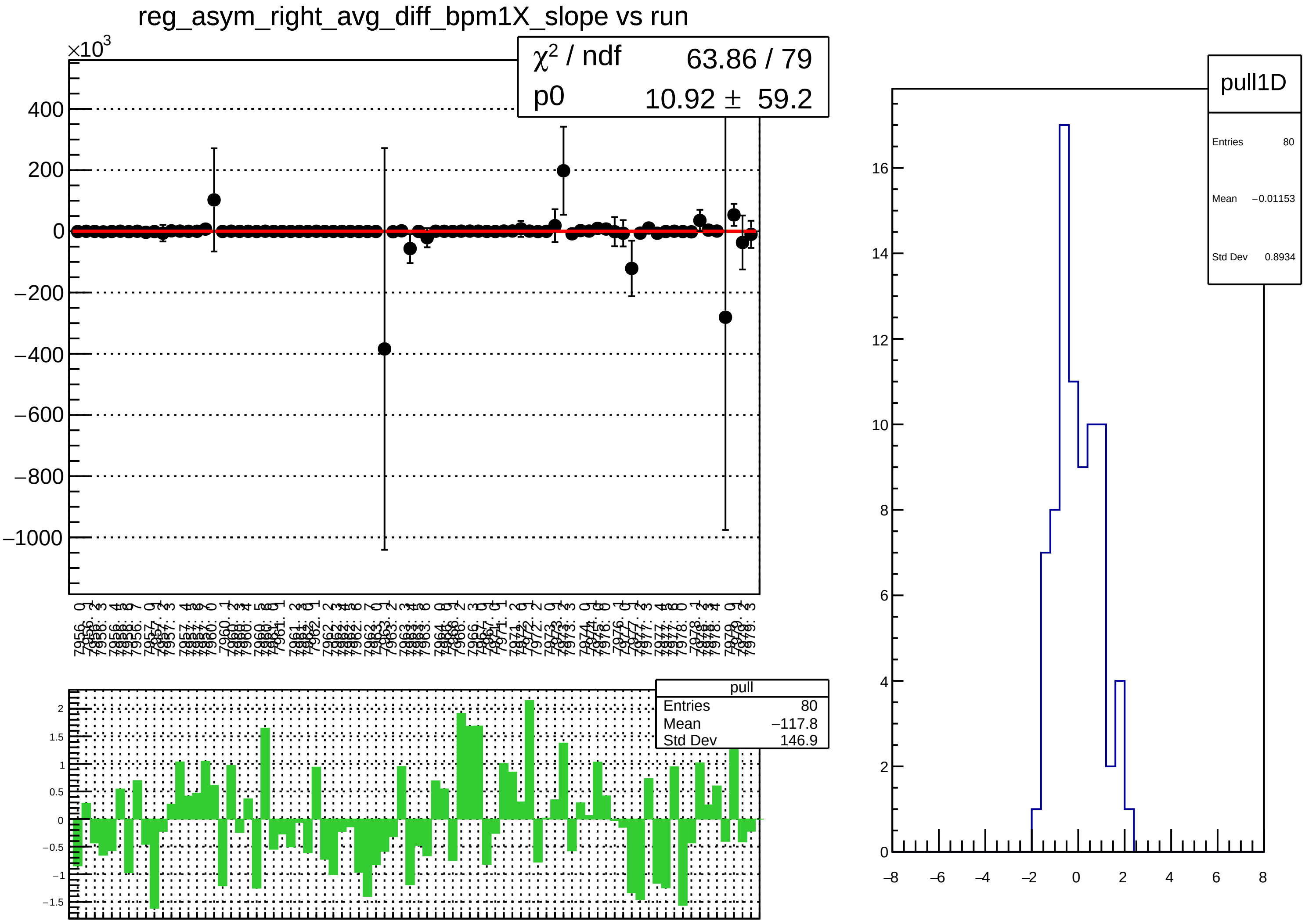

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 69.96 / 79
p0 −14.4 ± 2.927
pull
Entries 80
Mean −50.26
Std Dev 79
pull1D
Entries 80
Mean −0.02693
Std Dev 0.9348



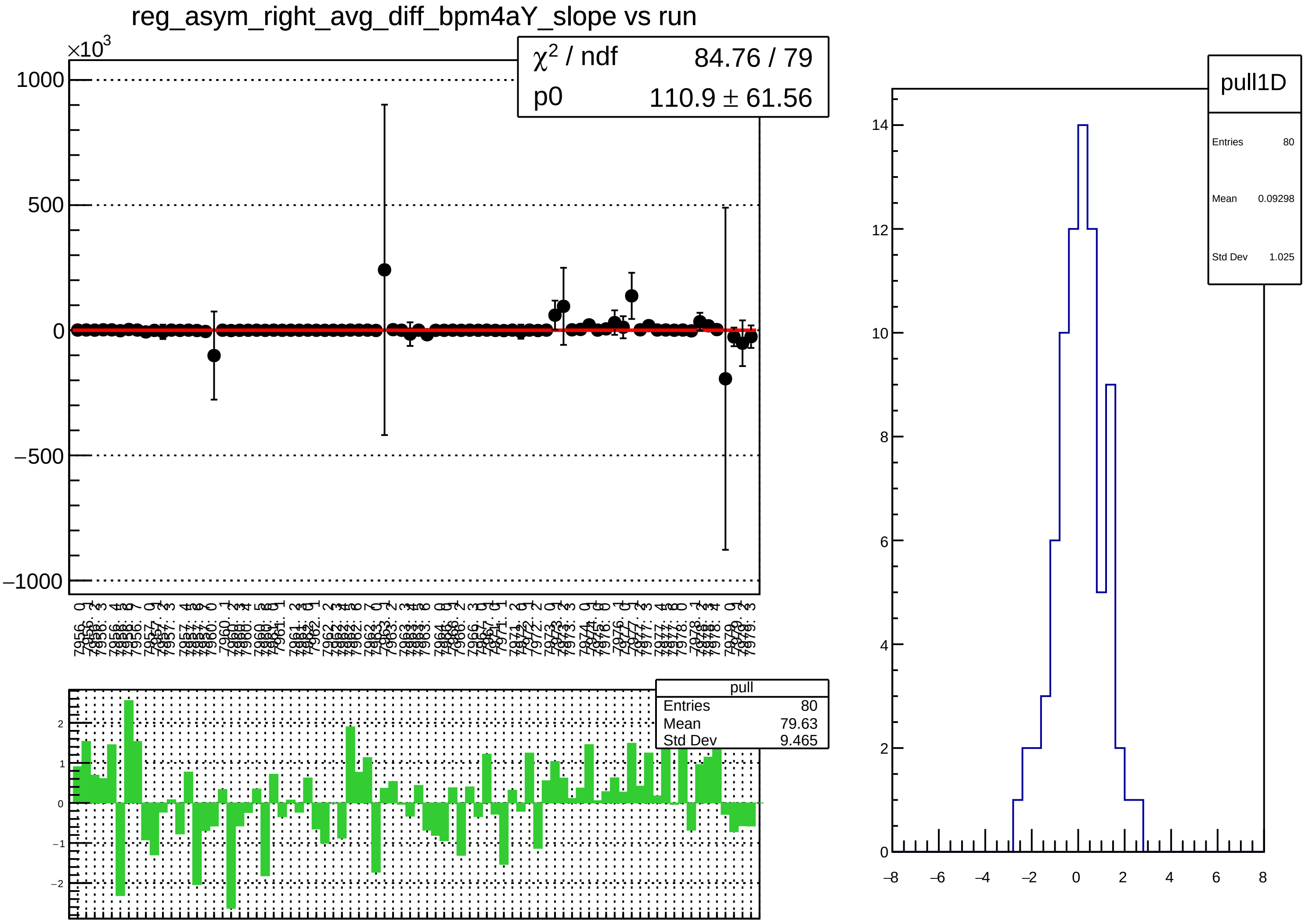
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 101.4 / 79
p0 4.725 ± 3.92
pull
Entries 80
Mean −424.6
Std Dev 473.6
pull1D
Entries 80
Mean 0.009279
Std Dev 1.126



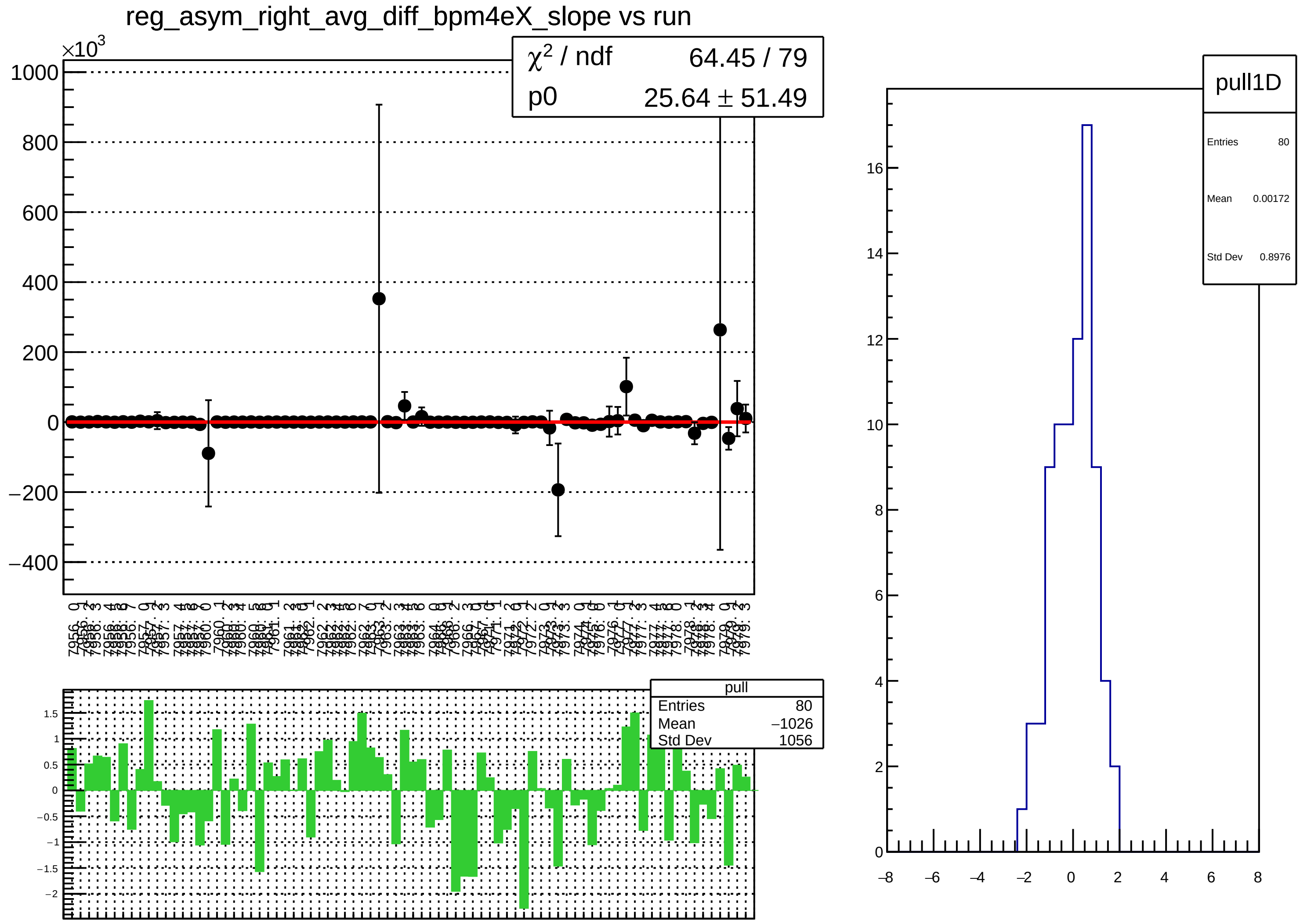
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 182.5 / 79
p0 −18.73 ± 0.1128
pull
Entries 80
Mean −244.4
Std Dev 281.6
pull1D
Entries 80
Mean −0.06199
Std Dev 1.509



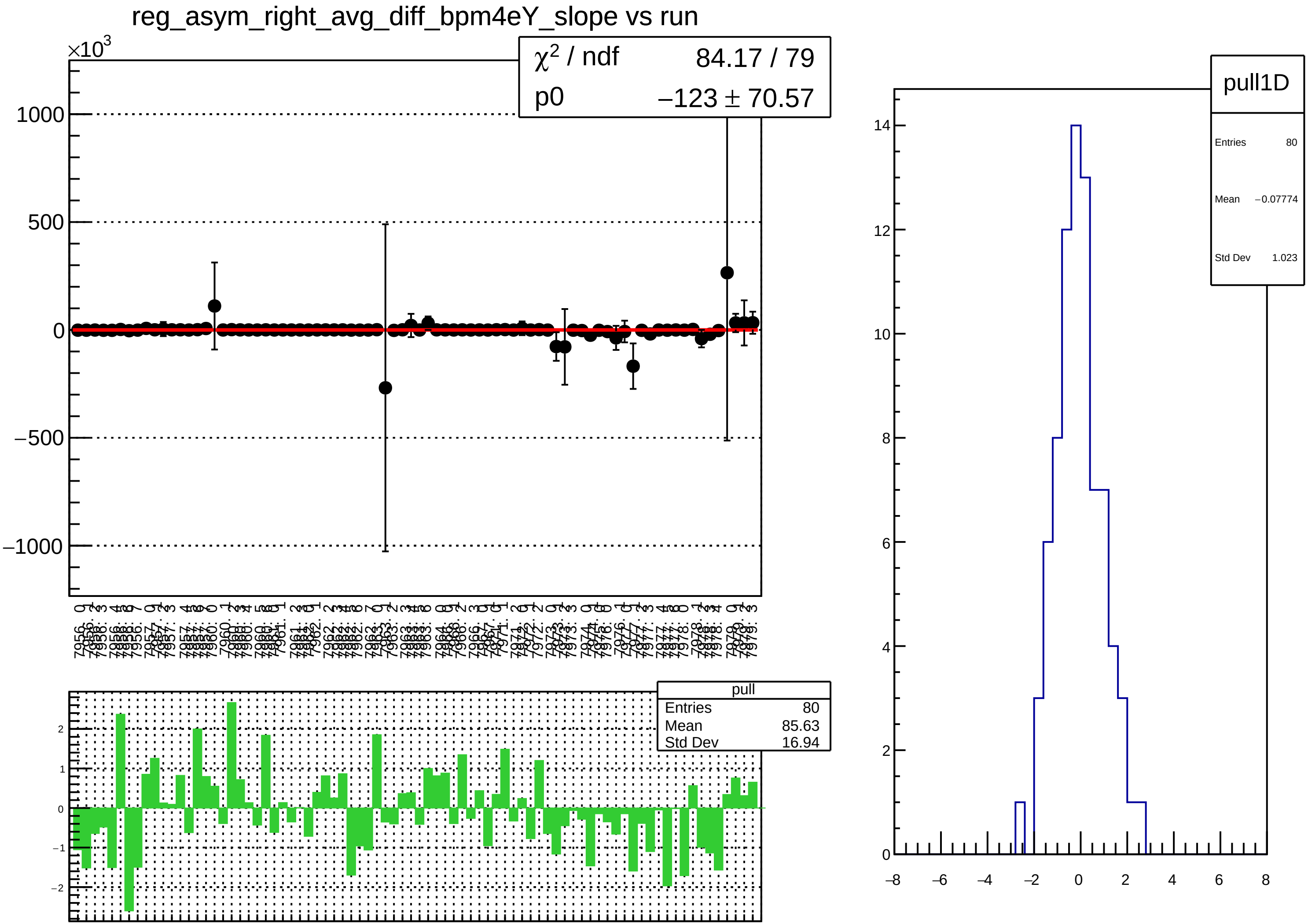
reg_asym_right_avg_diff_bpm1X_slope vs run
χ2 / ndf 63.86 / 79
p0 10.92 ± 59.2
pull
Entries 80
Mean −117.8
Std Dev 146.9
pull1D
Entries 80
Mean −0.01153
Std Dev 0.8934



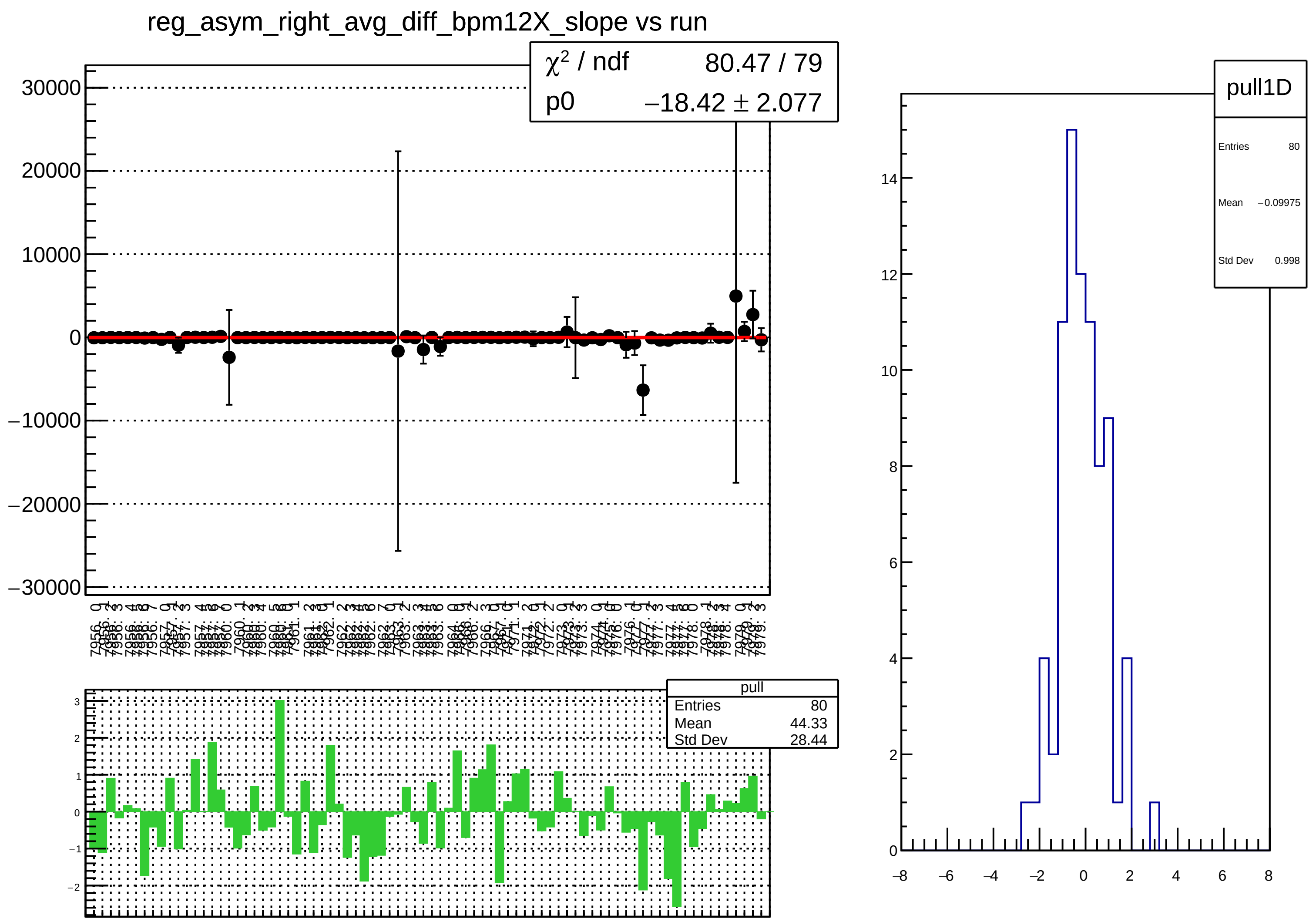
reg_asym_right_avg_diff_bpm4aY_slope vs run
$\times 10^3$
χ^2 / ndf 84.76 / 79
p0 110.9 ± 61.56
pull
Entries 80
Mean 79.63
Std Dev 9.465
pull1D
Entries 80
Mean 0.09298
Std Dev 1.025



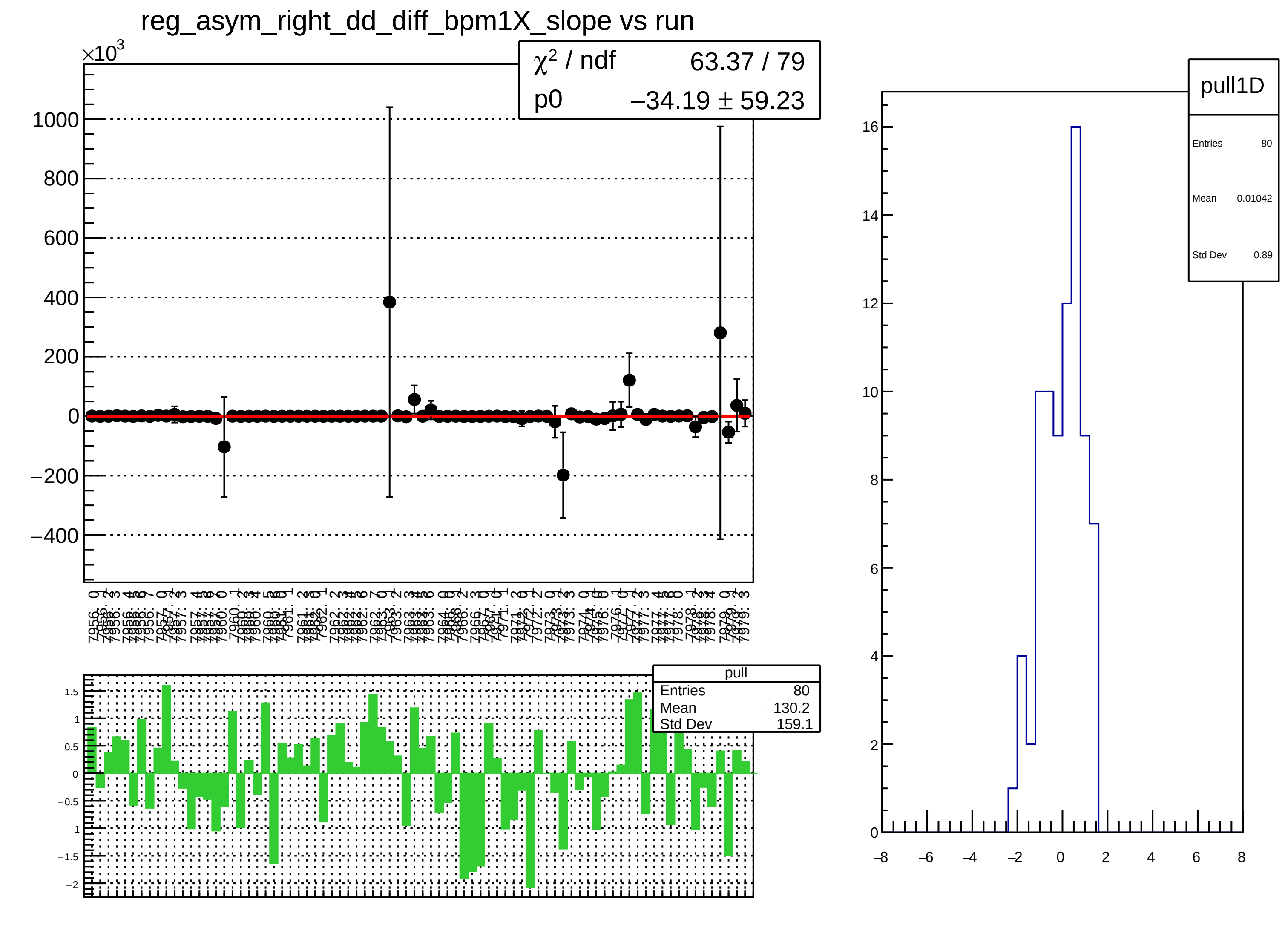
reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 64.45 / 79
p0 25.64 ± 51.49
pull
Entries 80
Mean −1026
Std Dev 1056
pull1D
Entries 80
Mean 0.00172
Std Dev 0.8976



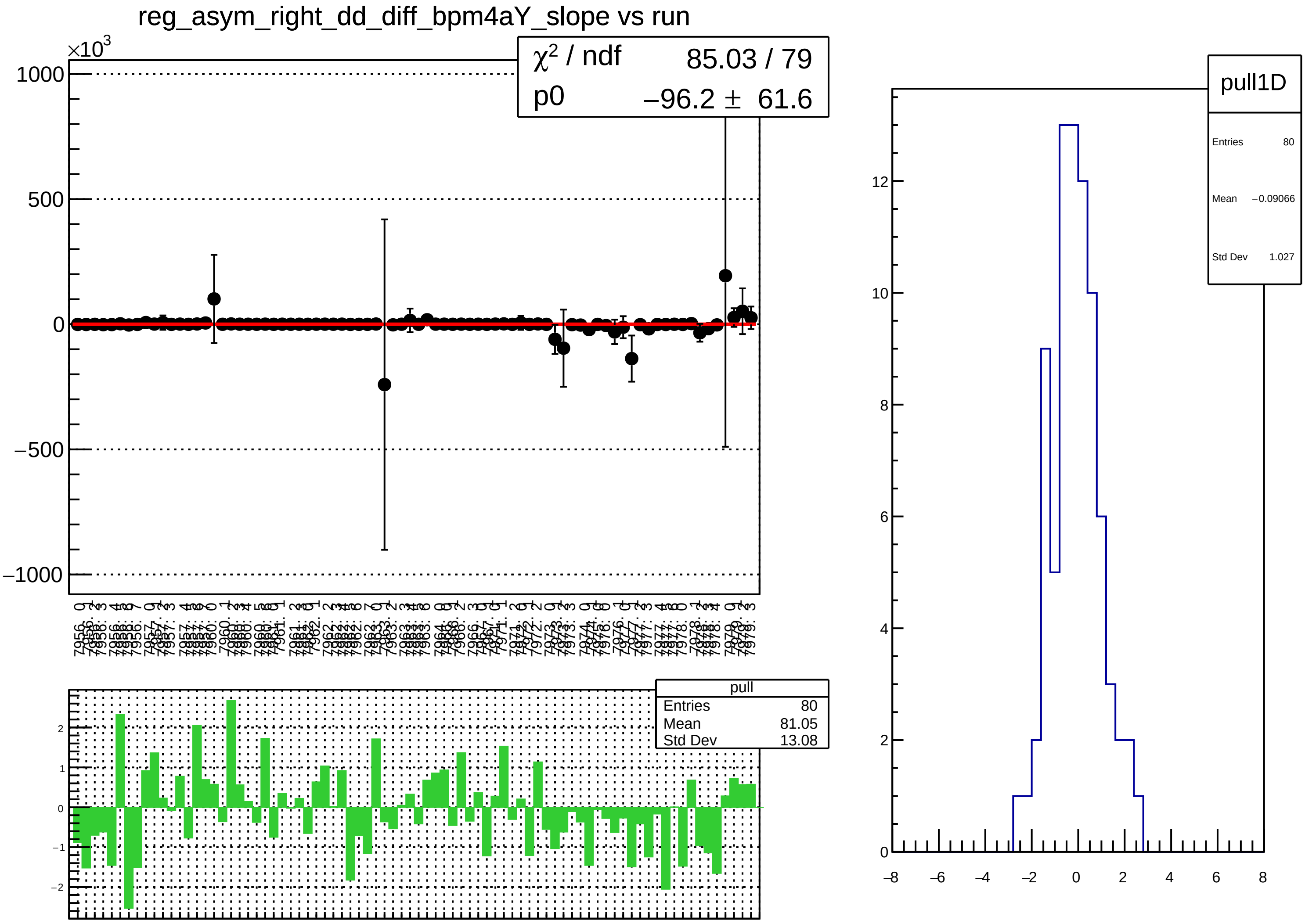
reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 84.17 / 79
p0 −123 ± 70.57
pull
Entries 80
Mean 85.63
Std Dev 16.94
pull1D
Entries 80
Mean −0.07774
Std Dev 1.023



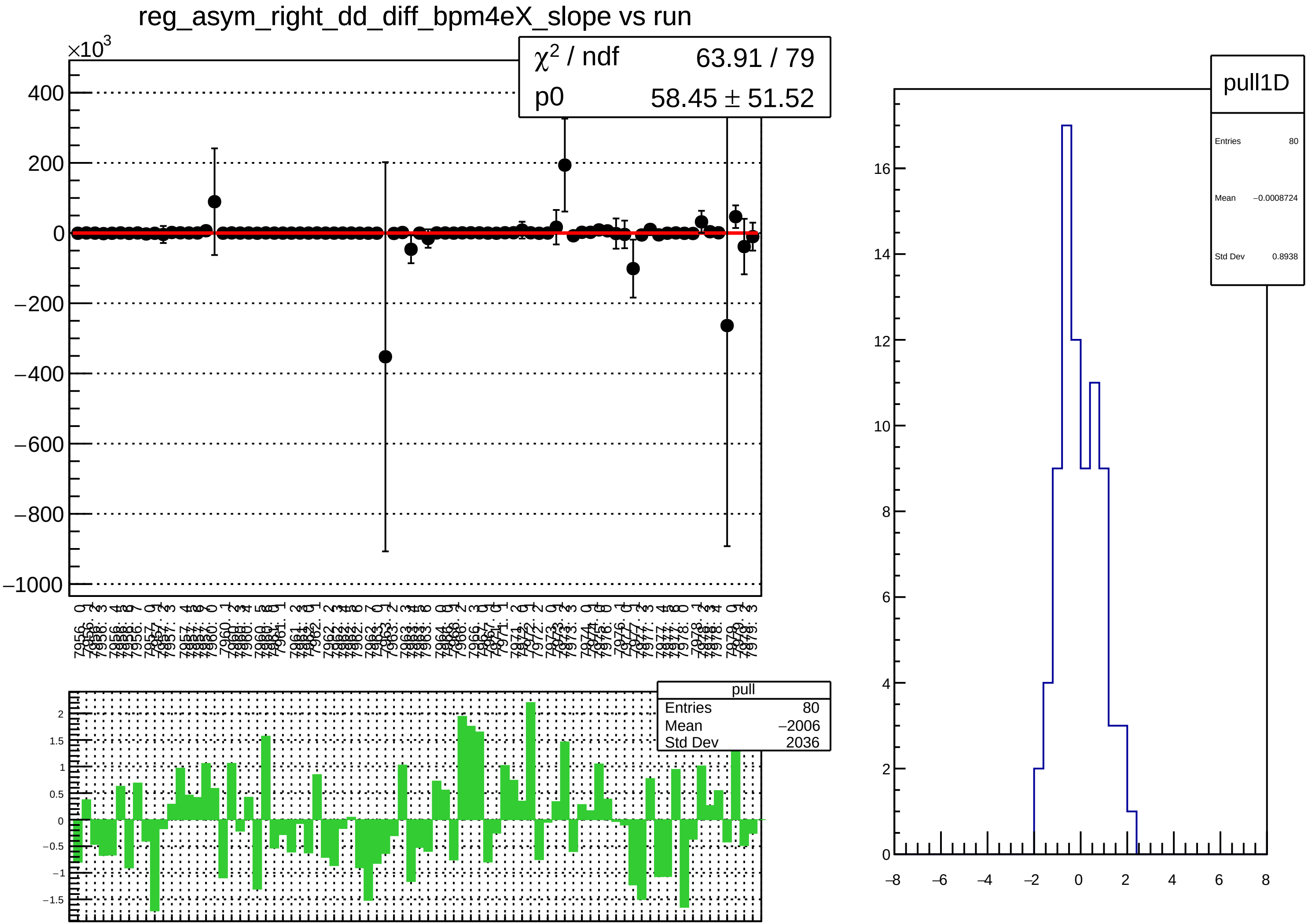
reg_asym_right_avg_diff_bpm12X_slope vs run
χ2 / ndf 80.47 / 79
p0 −18.42 ± 2.077
pull
Entries 80
Mean 44.33
Std Dev 28.44
pull1D
Entries 80
Mean −0.09975
Std Dev 0.998



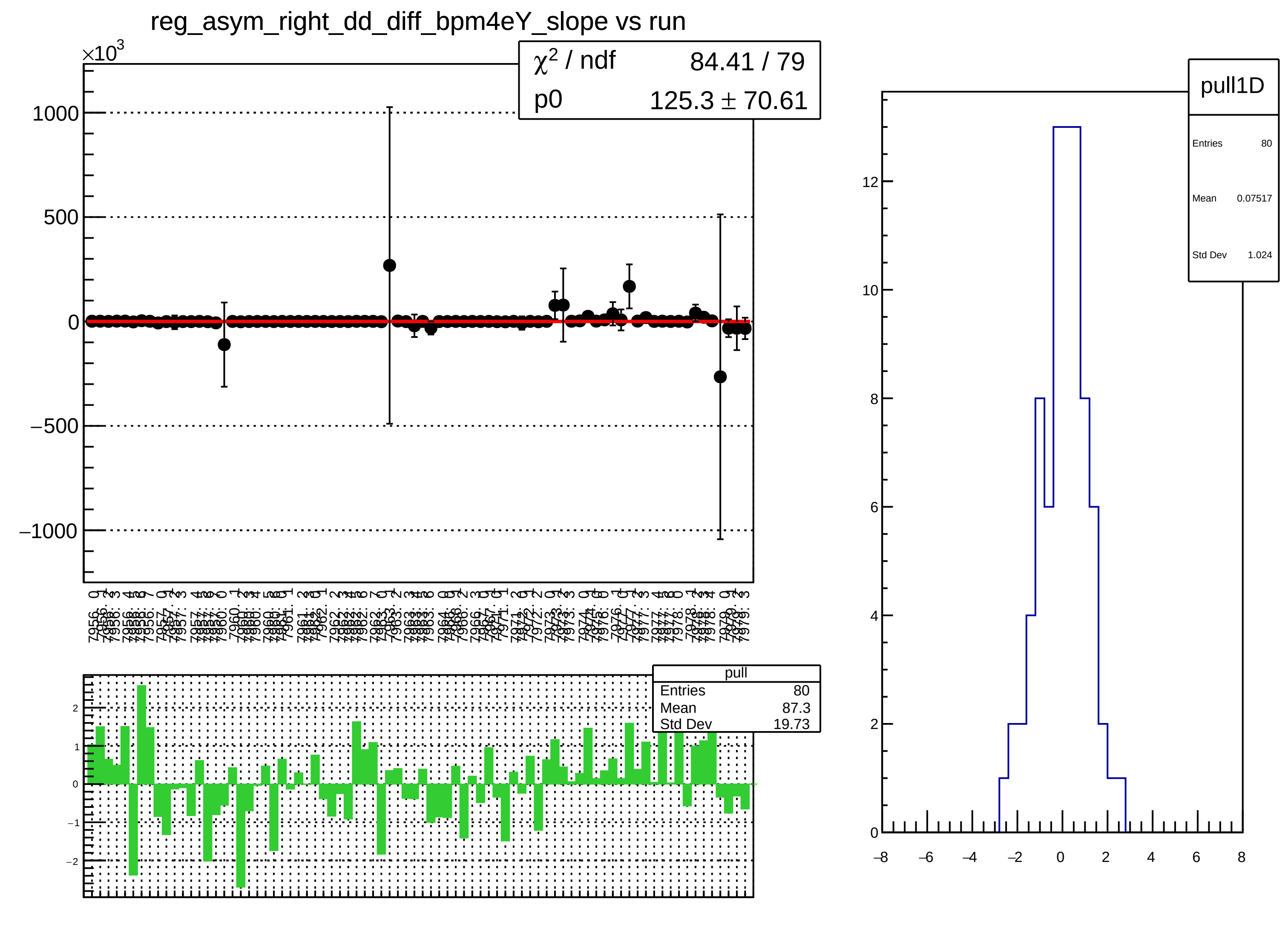
reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 63.37 / 79
p0 −34.19 ± 59.23
pull
Entries 80
Mean −130.2
Std Dev 159.1
pull1D
Entries 80
Mean 0.01042
Std Dev 0.89

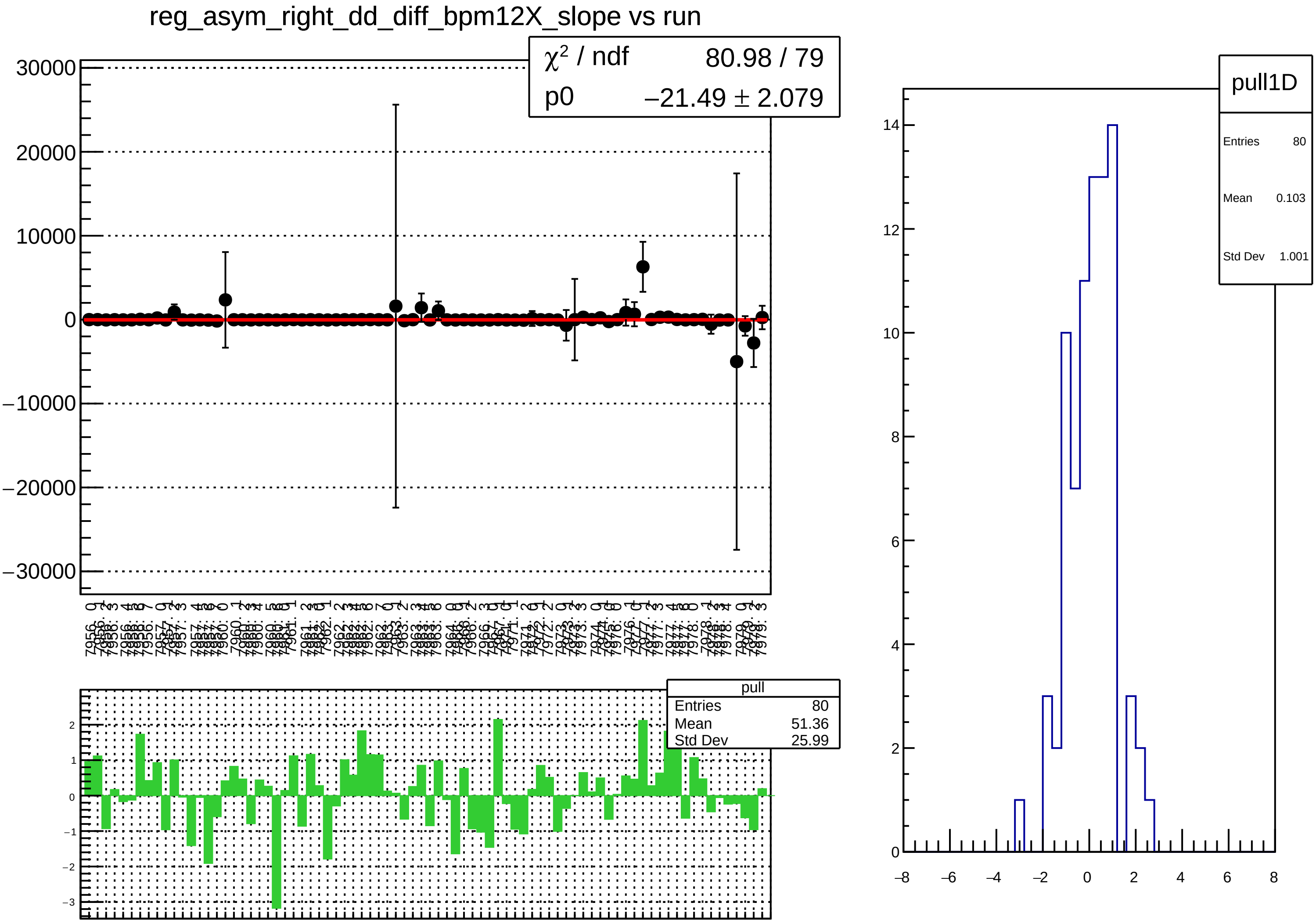


reg_asym_right_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 85.03 / 79
p0 −96.2 ± 61.6
1000
500
0
−500
−1000
pull
Entries 80
Mean 81.05
Std Dev 13.08
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.09066
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

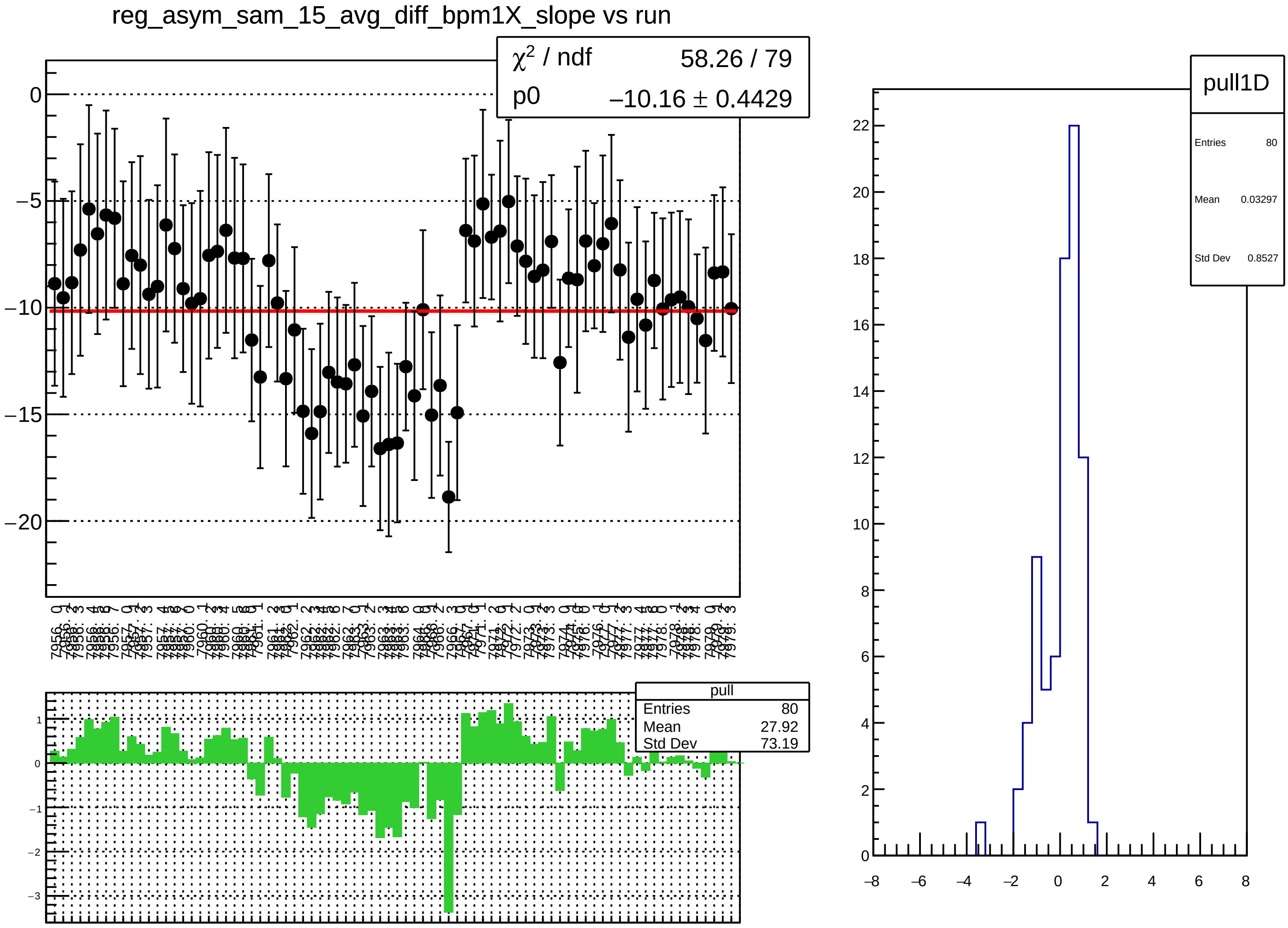


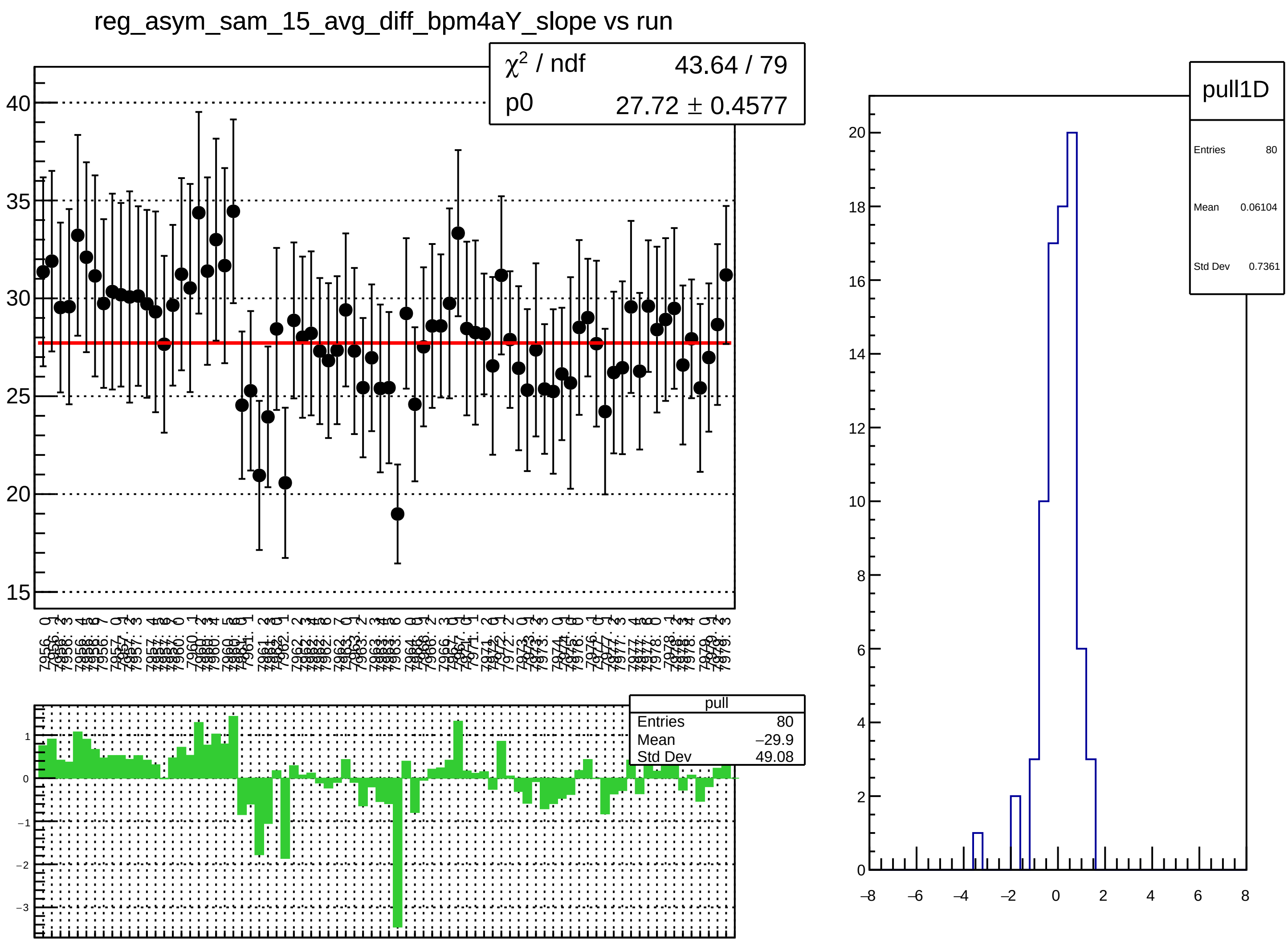
reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.91 / 79
p0 58.45 ± 51.52
pull
Entries 80
Mean −2006
Std Dev 2036
pull1D
Entries 80
Mean −0.0008724
Std Dev 0.8938


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ2 / ndf 84.41 / 79
p0 125.3 ± 70.61
pull
Entries 80
Mean 87.3
Std Dev 19.73
pull1D
Entries 80
Mean 0.07517
Std Dev 1.024

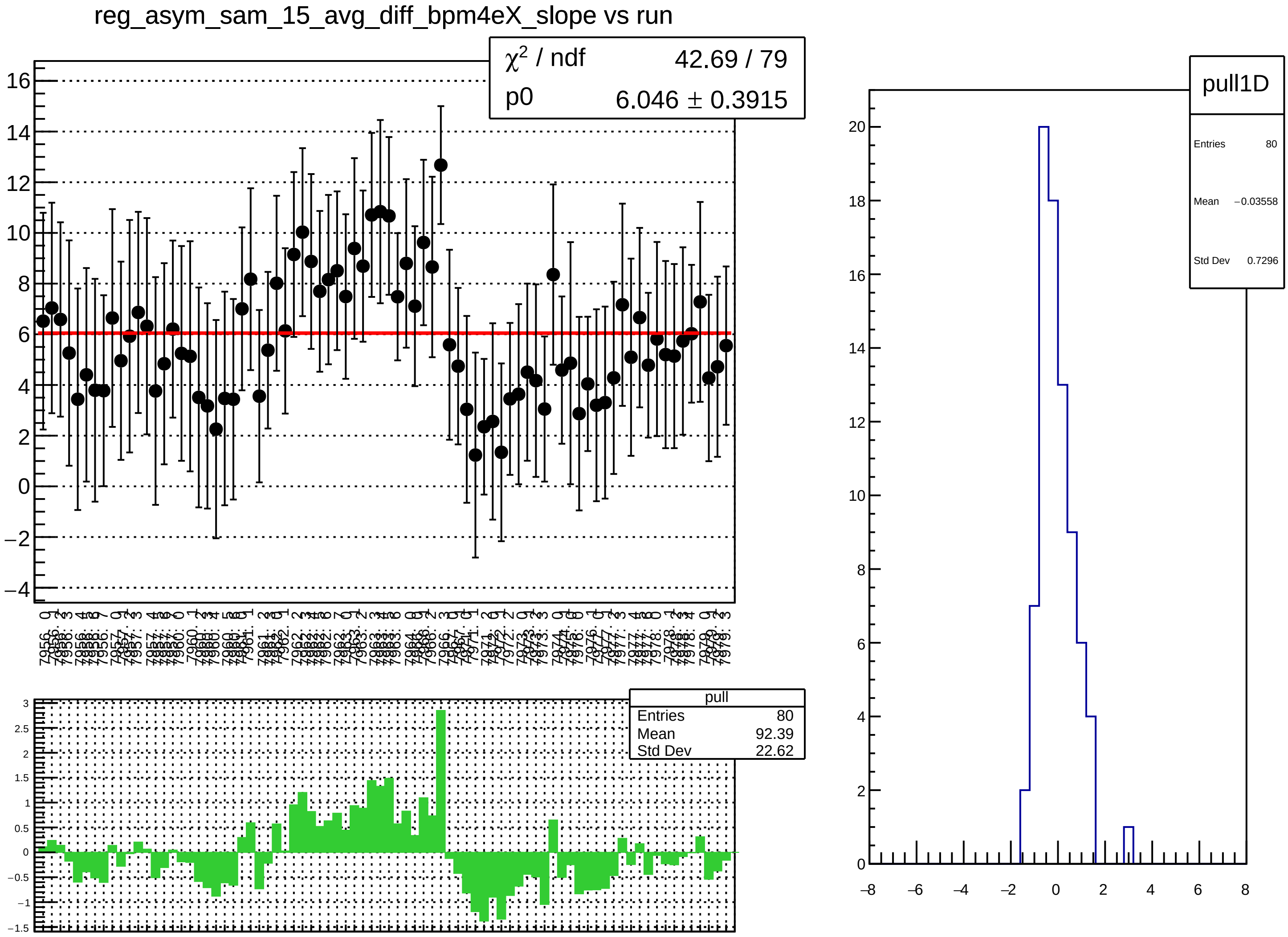


reg_asym_right_dd_diff_bpm12X_slope vs run
χ2 / ndf 80.98 / 79
p0 −21.49 ± 2.079
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 80
Mean 51.36
Std Dev 25.99
2
1
0
−1
−2
−3
pull1D
Entries 80
Mean 0.103
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

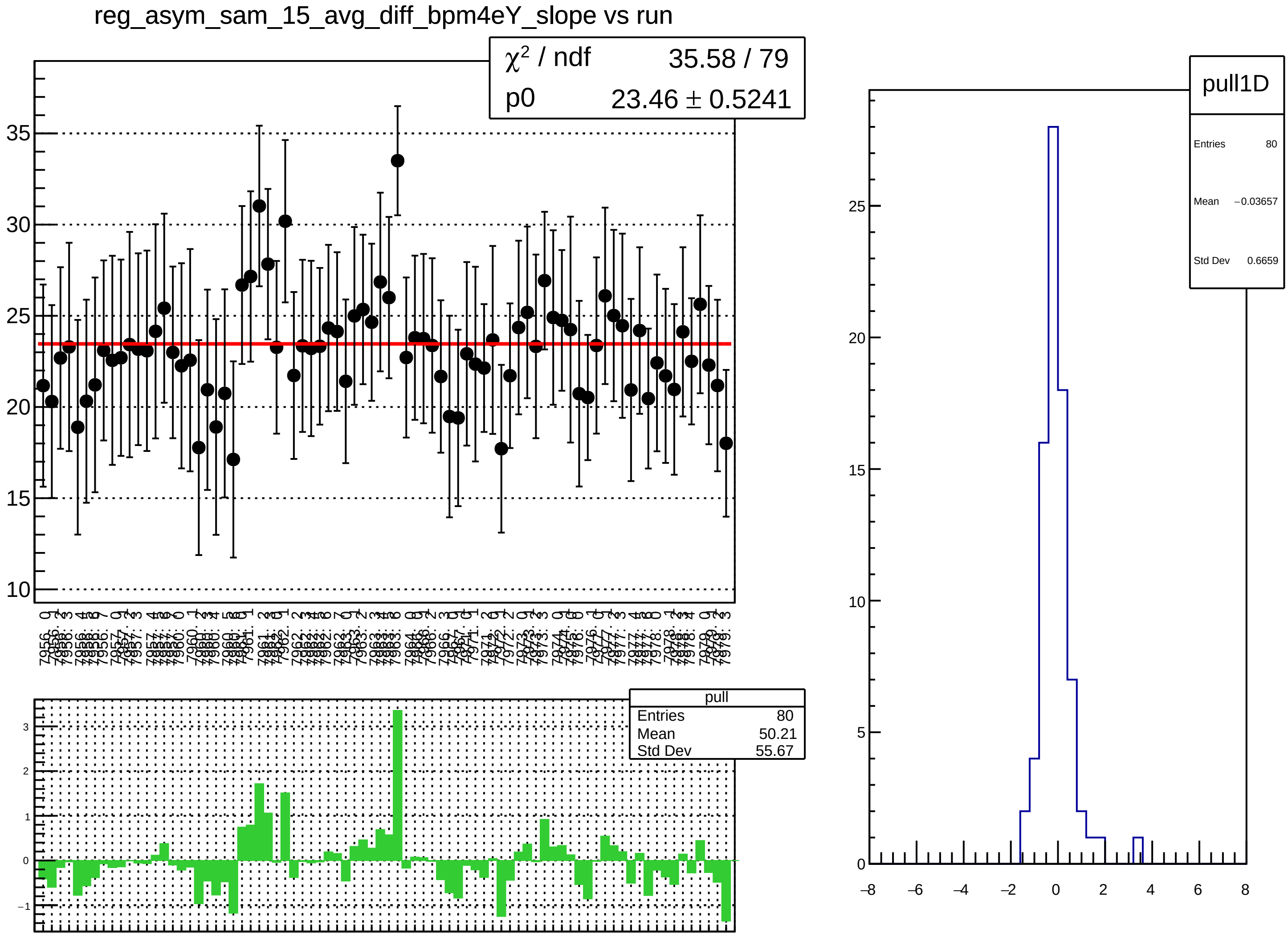

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 58.26 / 79
p0 −10.16 ± 0.4429
pull
Entries 80
Mean 27.92
Std Dev 73.19
pull1D
Entries 80
Mean 0.03297
Std Dev 0.8527



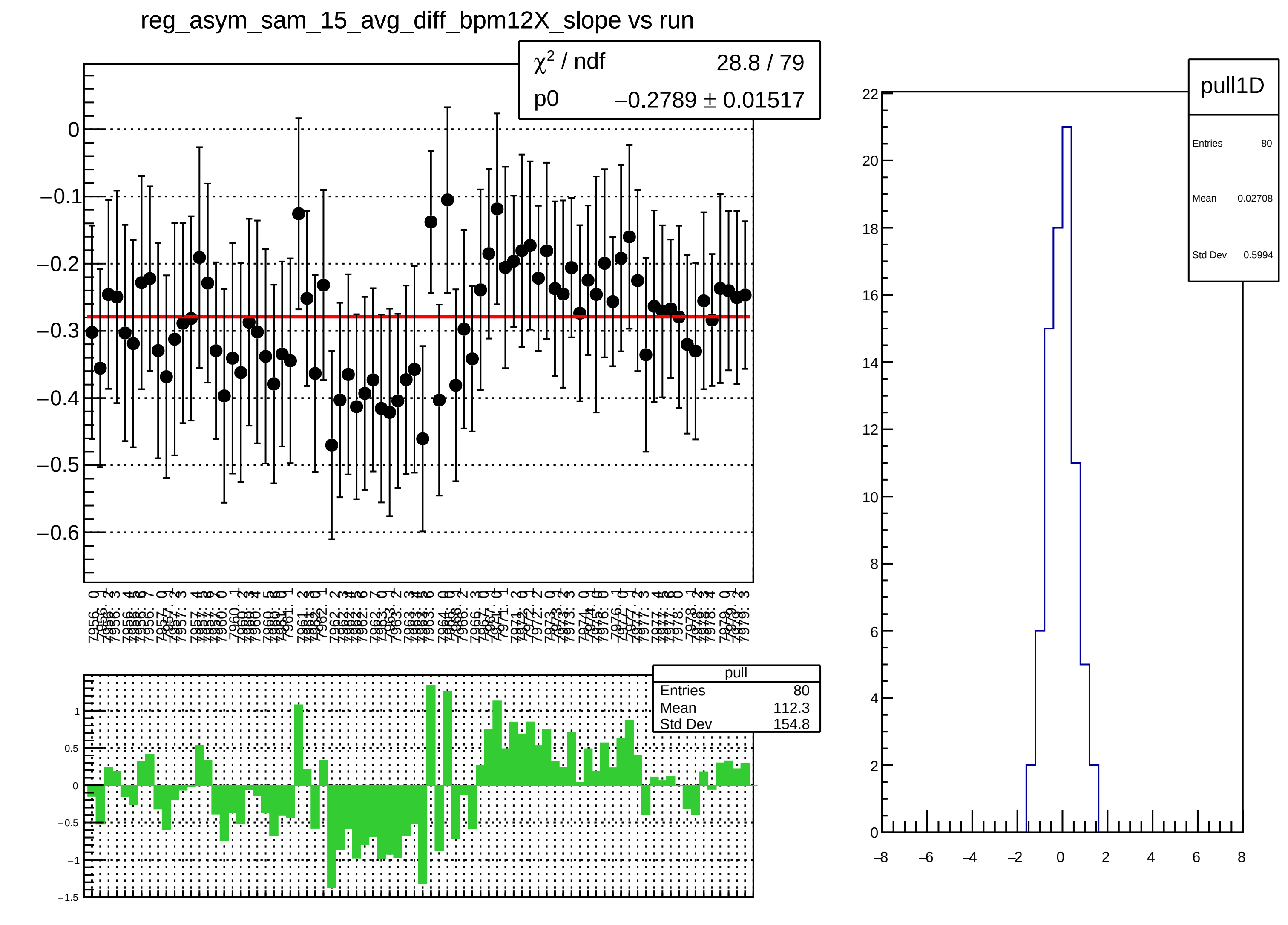
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 43.64 / 79
p0 27.72 ± 0.4577
pull
Entries 80
Mean −29.9
Std Dev 49.08
pull1D
Entries 80
Mean 0.06104
Std Dev 0.7361



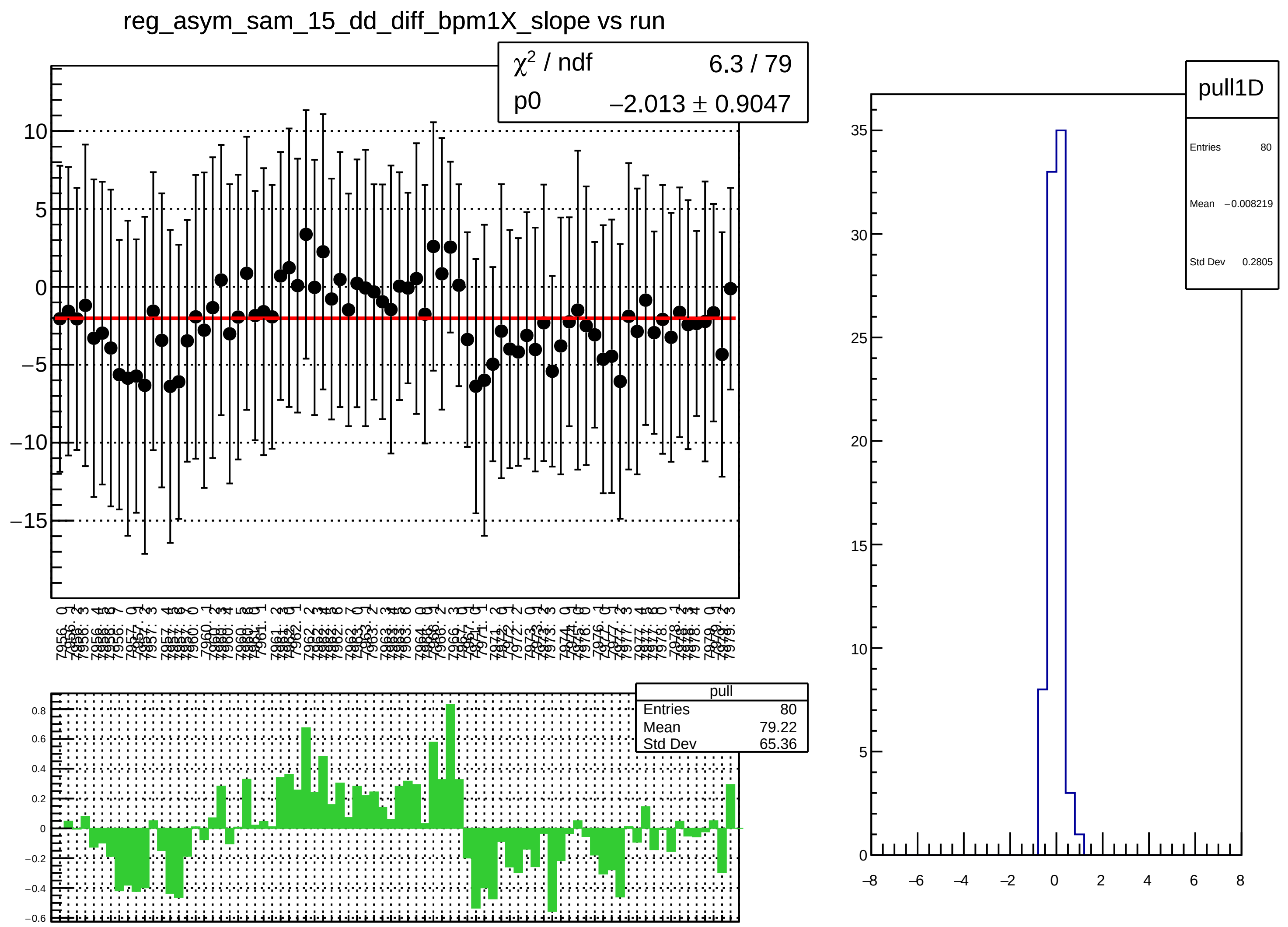
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 42.69 / 79
p0 6.046 ± 0.3915
pull
Entries 80
Mean 92.39
Std Dev 22.62
pull1D
Entries 80
Mean −0.03558
Std Dev 0.7296



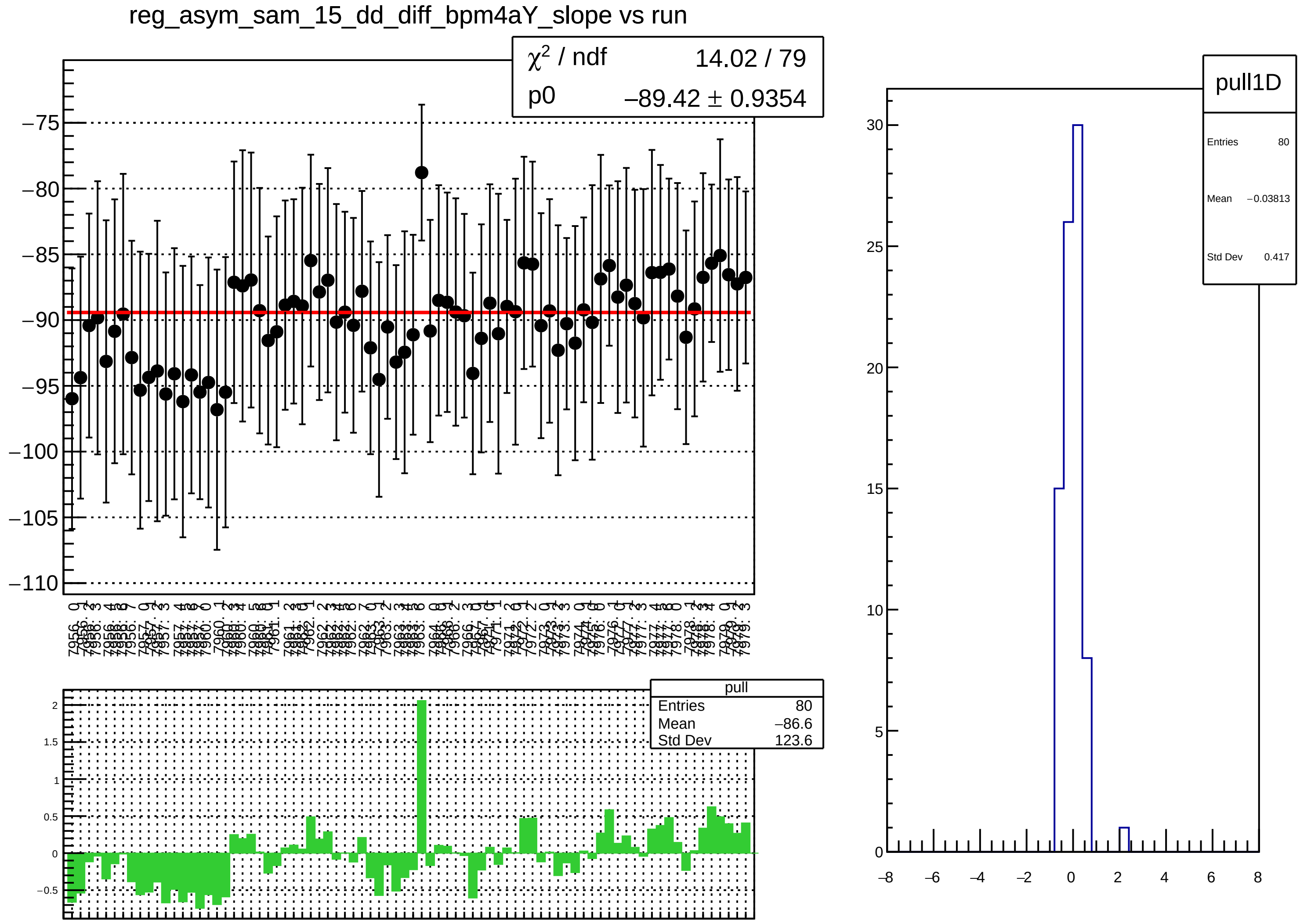
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ2 / ndf 35.58 / 79
p0 23.46 ± 0.5241
pull
Entries 80
Mean 50.21
Std Dev 55.67
pull1D
Entries 80
Mean −0.03657
Std Dev 0.6659



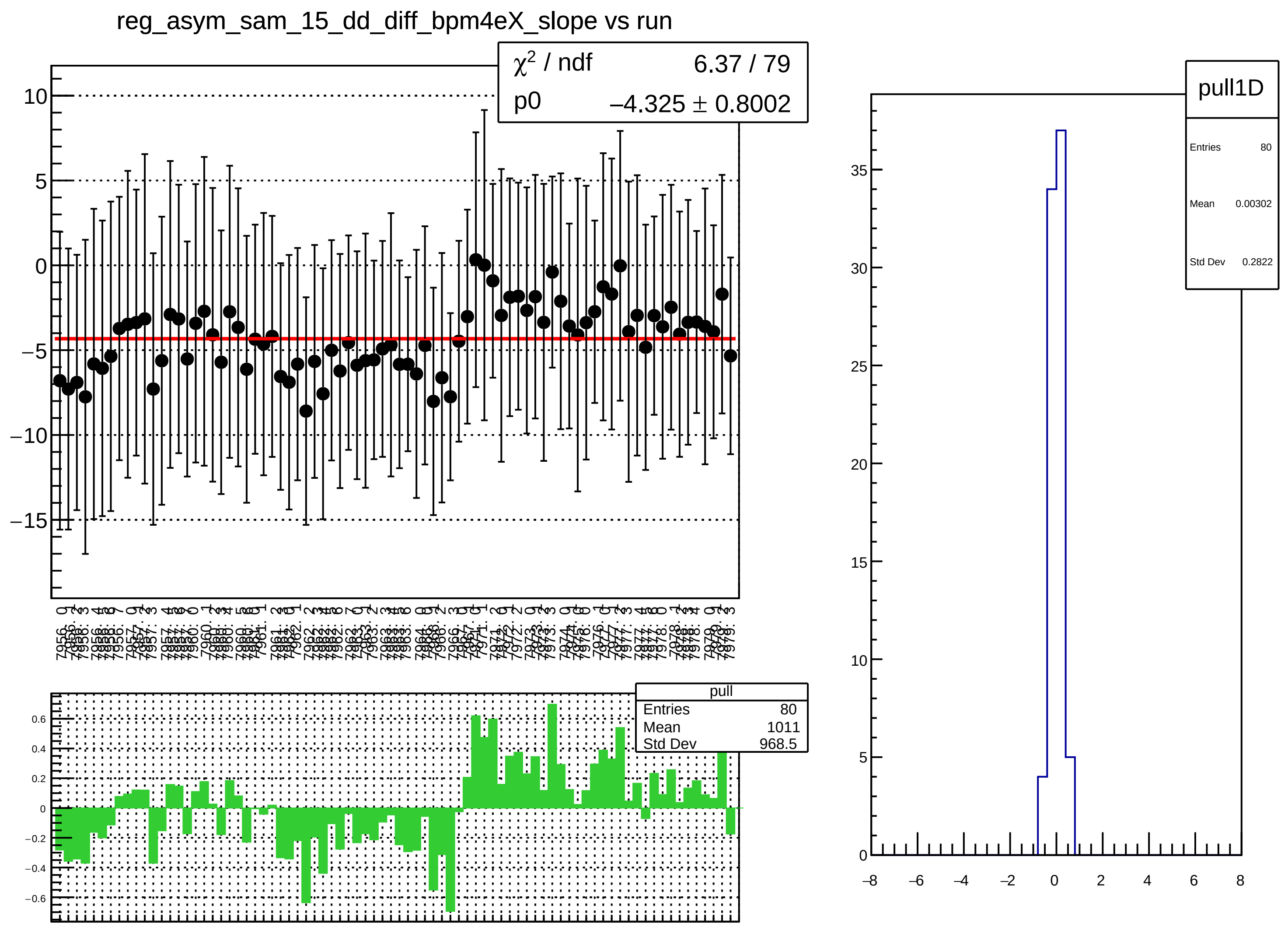
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 28.8 / 79
p0 −0.2789 ± 0.01517
pull
Entries 80
Mean −112.3
Std Dev 154.8
pull1D
Entries 80
Mean −0.02708
Std Dev 0.5994



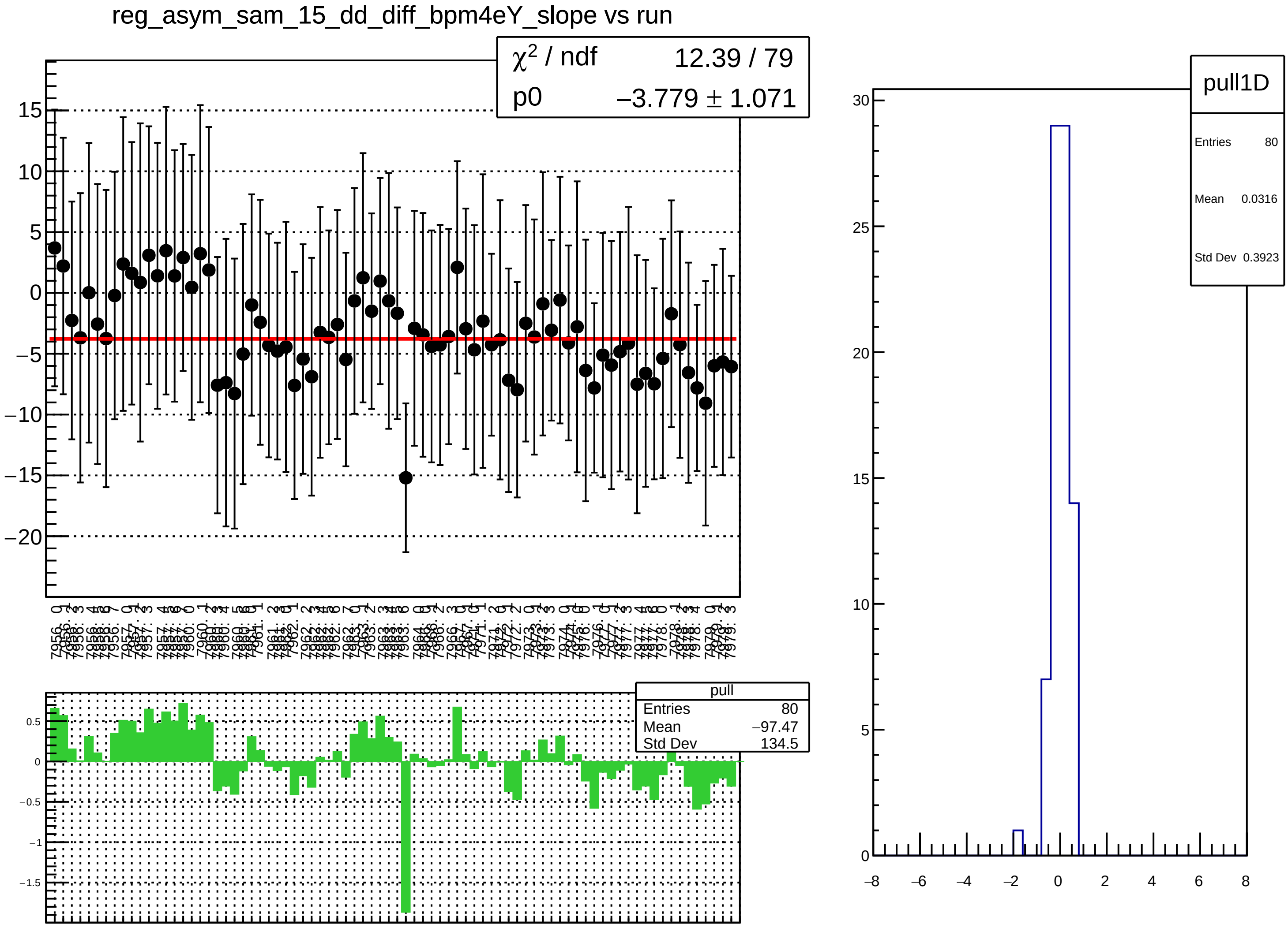
reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.3 / 79
p0 −2.013 ± 0.9047
pull
Entries 80
Mean 79.22
Std Dev 65.36
pull1D
Entries 80
Mean −0.008219
Std Dev 0.2805



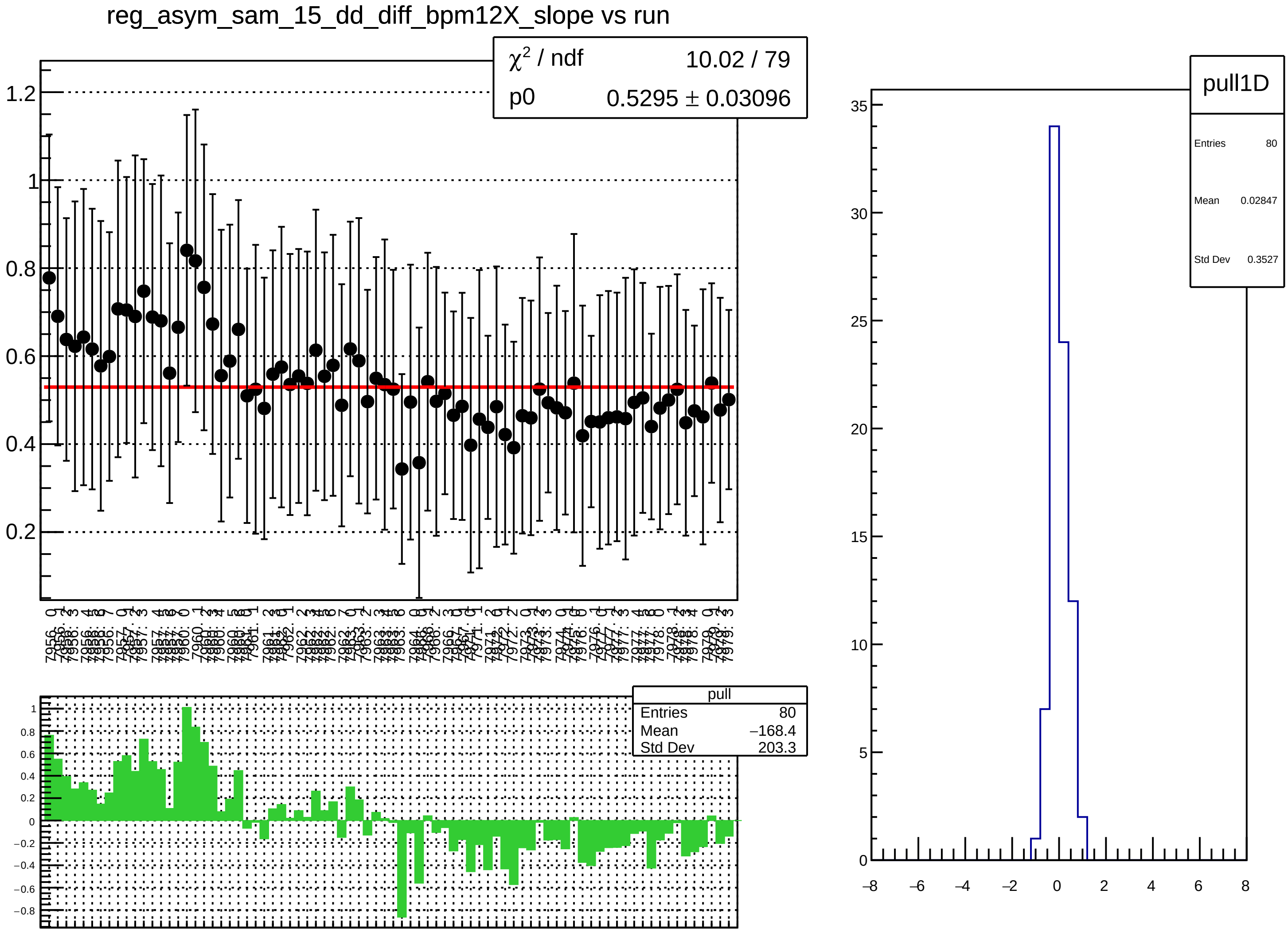
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 14.02 / 79
p0 −89.42 ± 0.9354
pull
Entries 80
Mean −86.6
Std Dev 123.6
pull1D
Entries 80
Mean −0.03813
Std Dev 0.417



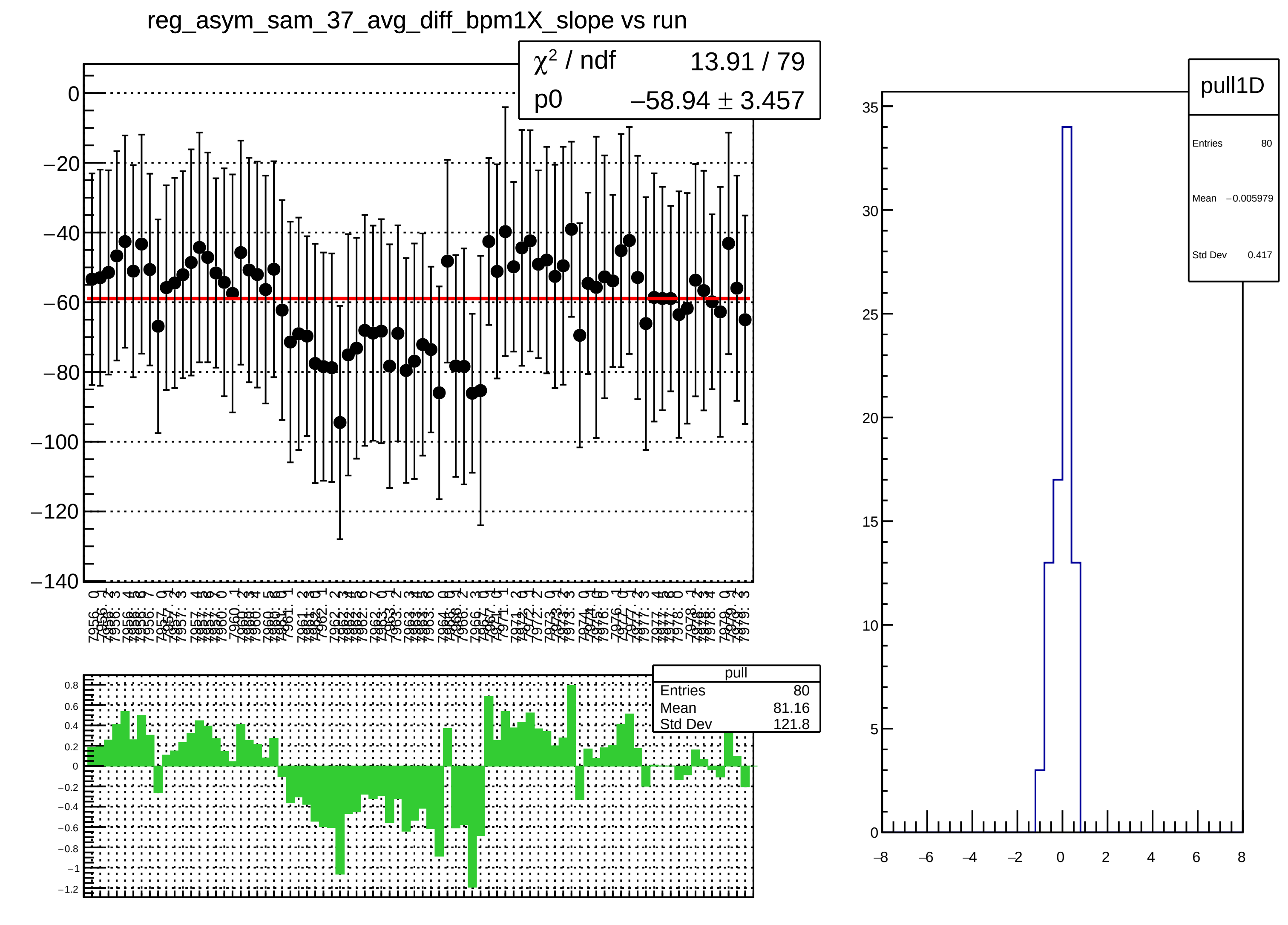
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.37 / 79
p0 −4.325 ± 0.8002
pull
Entries 80
Mean 1011
Std Dev 968.5
pull1D
Entries 80
Mean 0.00302
Std Dev 0.2822

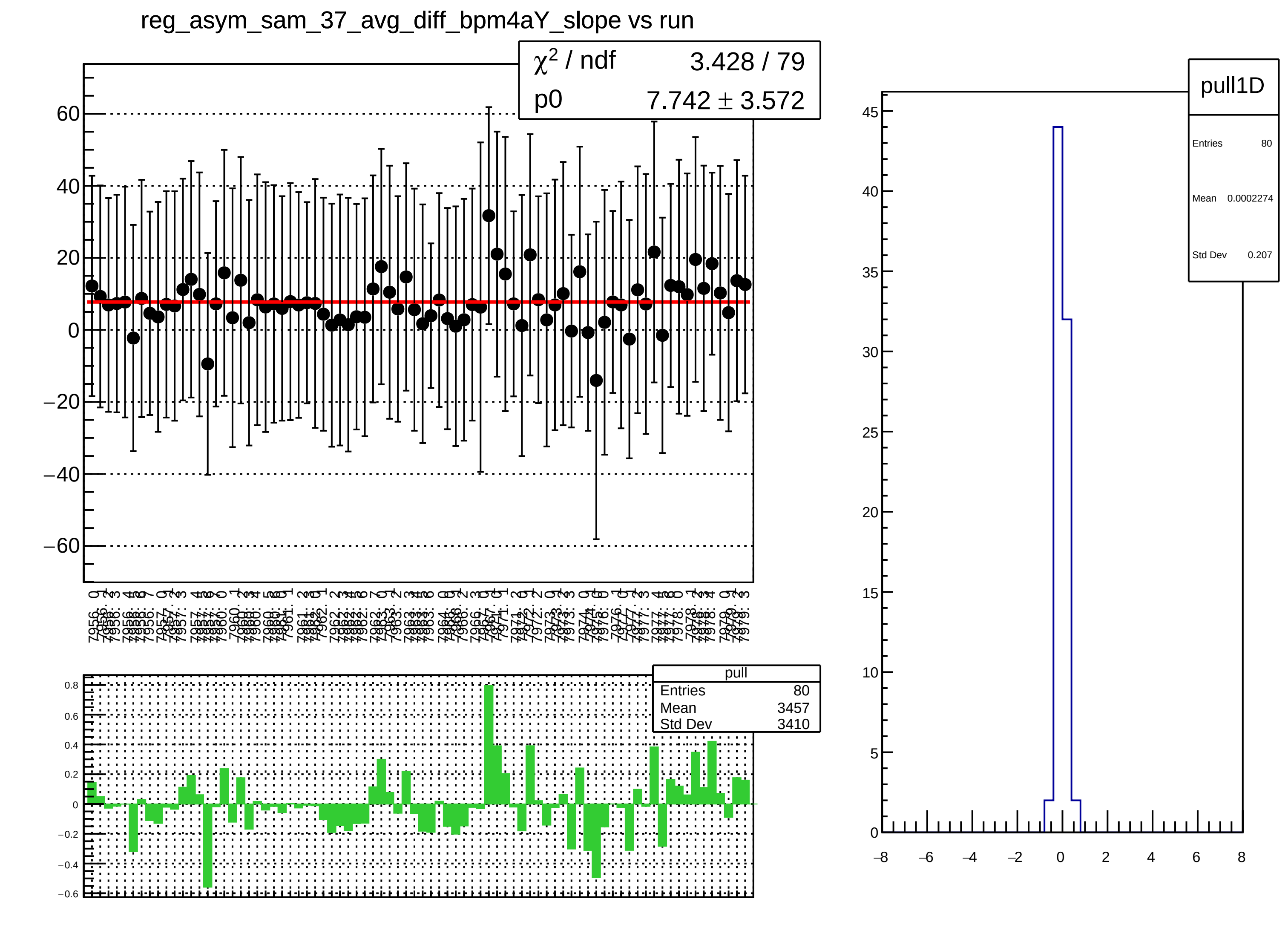


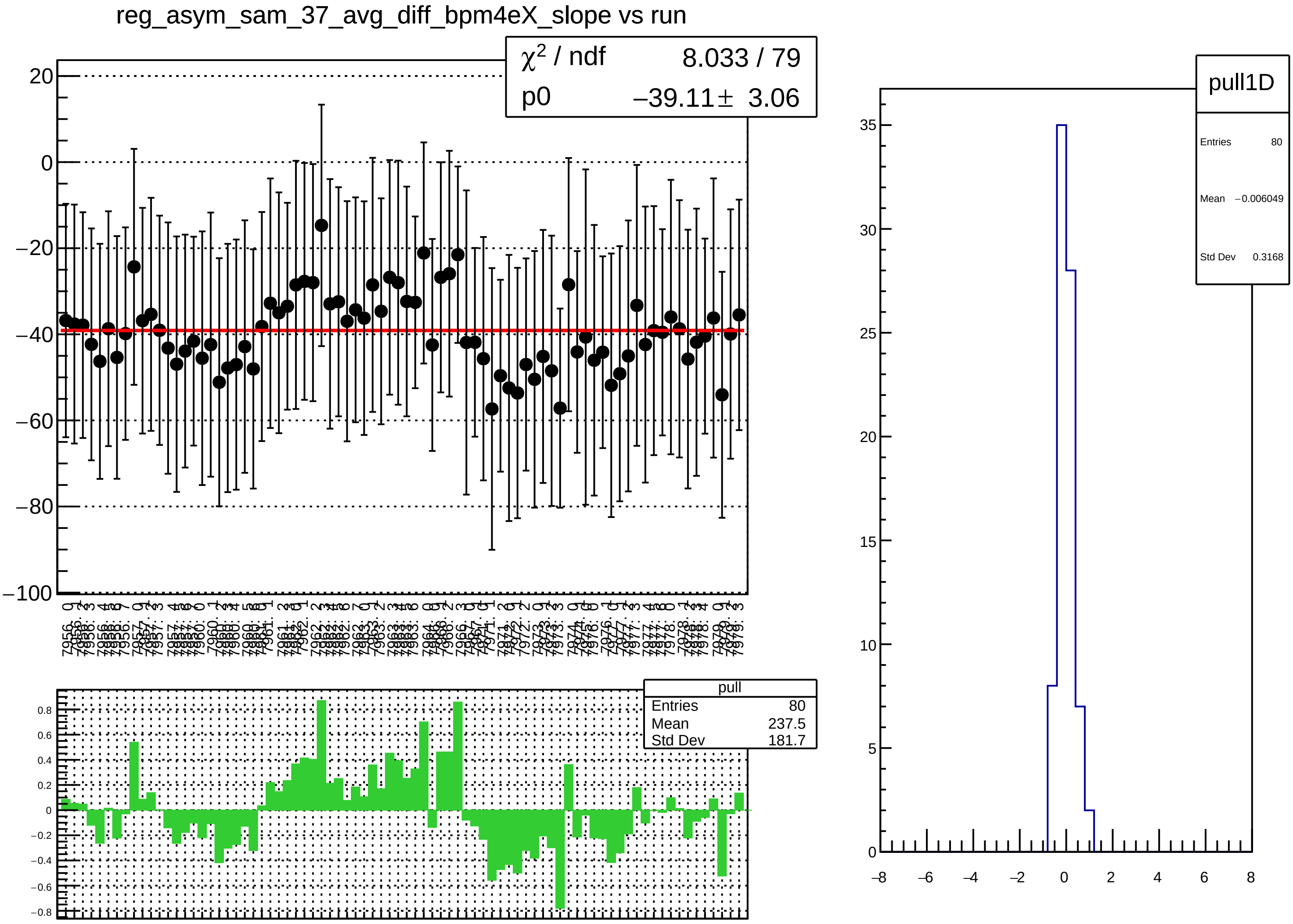
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 12.39 / 79
p0 −3.779 ± 1.071
pull
Entries 80
Mean −97.47
Std Dev 134.5
pull1D
Entries 80
Mean 0.0316
Std Dev 0.3923

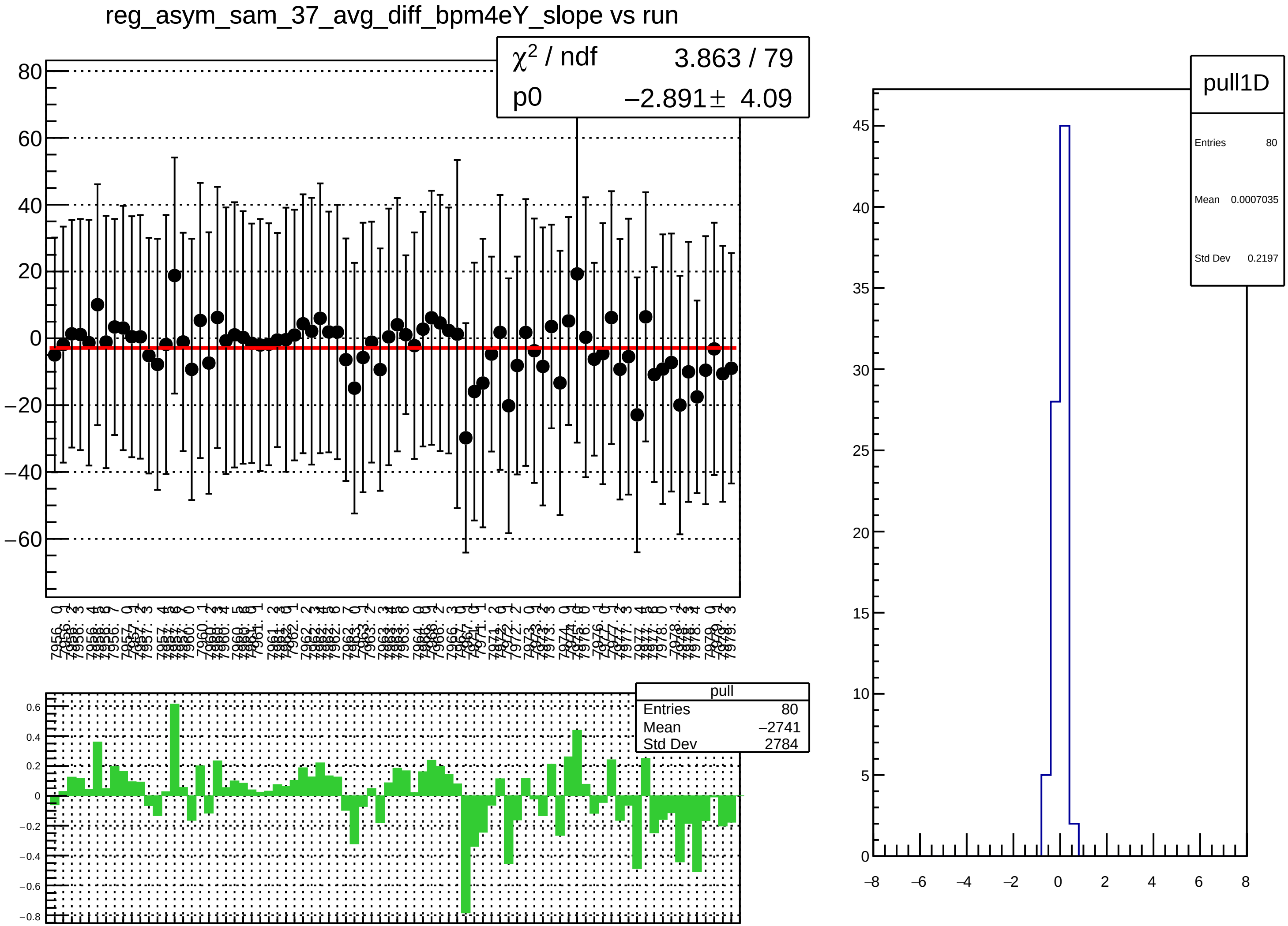


reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.02 / 79
p0 0.5295 ± 0.03096
pull
Entries 80
Mean −168.4
Std Dev 203.3
pull1D
Entries 80
Mean 0.02847
Std Dev 0.3527

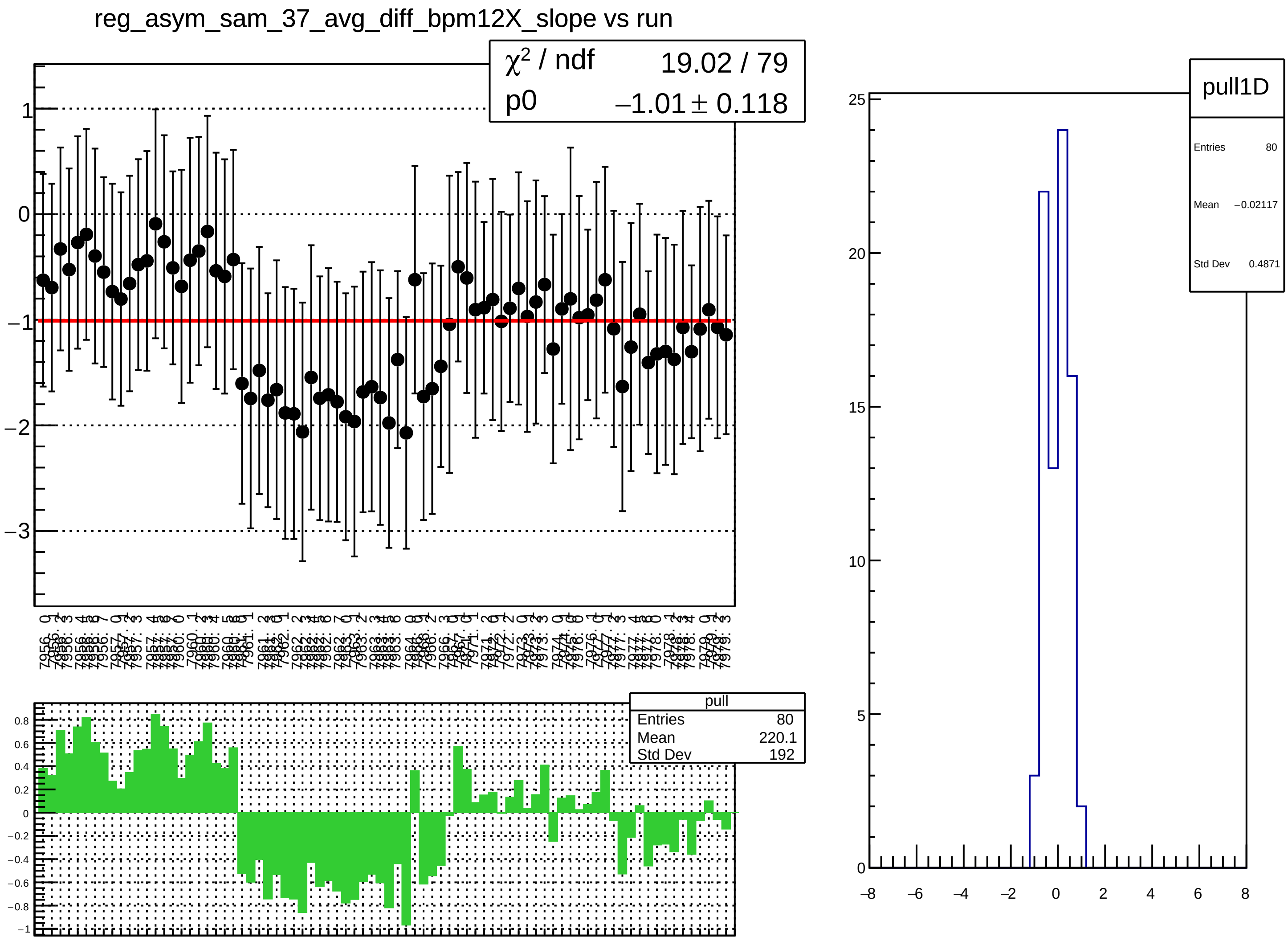

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 13.91 / 79
p0 −58.94 ± 3.457
pull
Entries 80
Mean 81.16
Std Dev 121.8
pull1D
Entries 80
Mean −0.005979
Std Dev 0.417


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.428 / 79
p0 7.742 ± 3.572
pull
Entries 80
Mean 3457
Std Dev 3410
pull1D
Entries 80
Mean 0.0002274
Std Dev 0.207

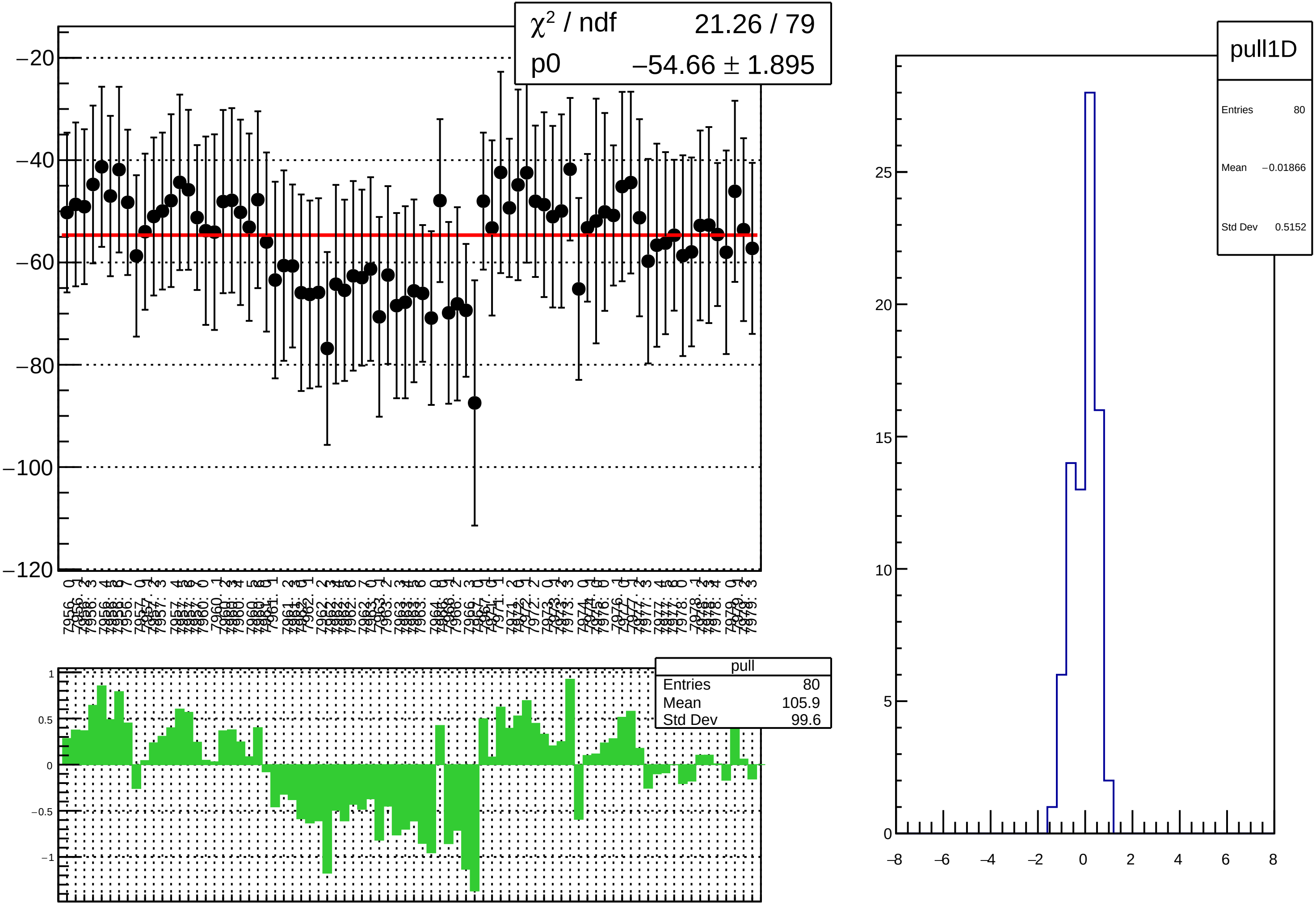

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.033 / 79
p0 −39.11 ± 3.06
pull
Entries 80
Mean 237.5
Std Dev 181.7
pull1D
Entries 80
Mean −0.006049
Std Dev 0.3168

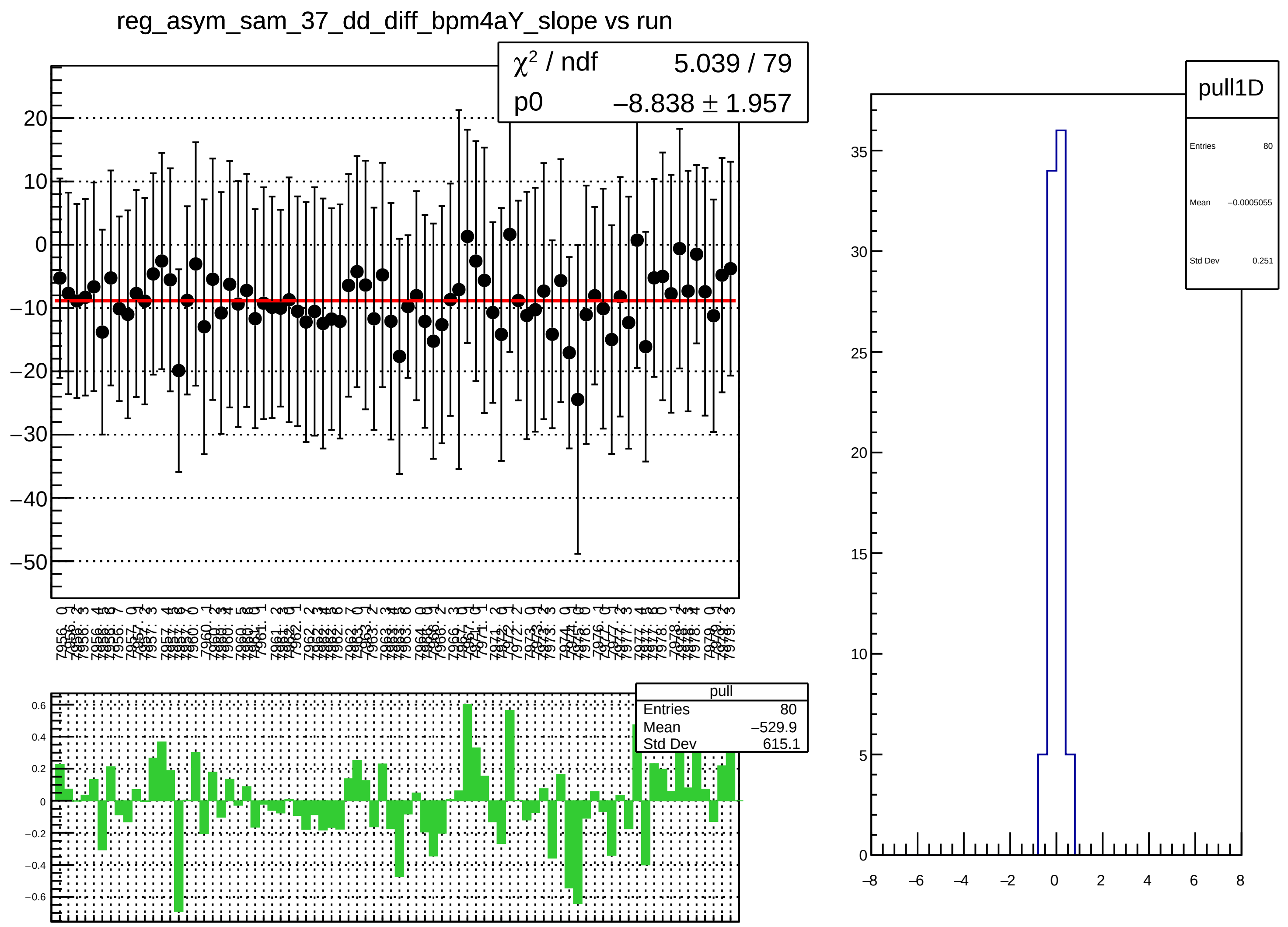


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ2 / ndf 3.863 / 79
p0 −2.891 ± 4.09
pull
Entries 80
Mean −2741
Std Dev 2784
pull1D
Entries 80
Mean 0.0007035
Std Dev 0.2197

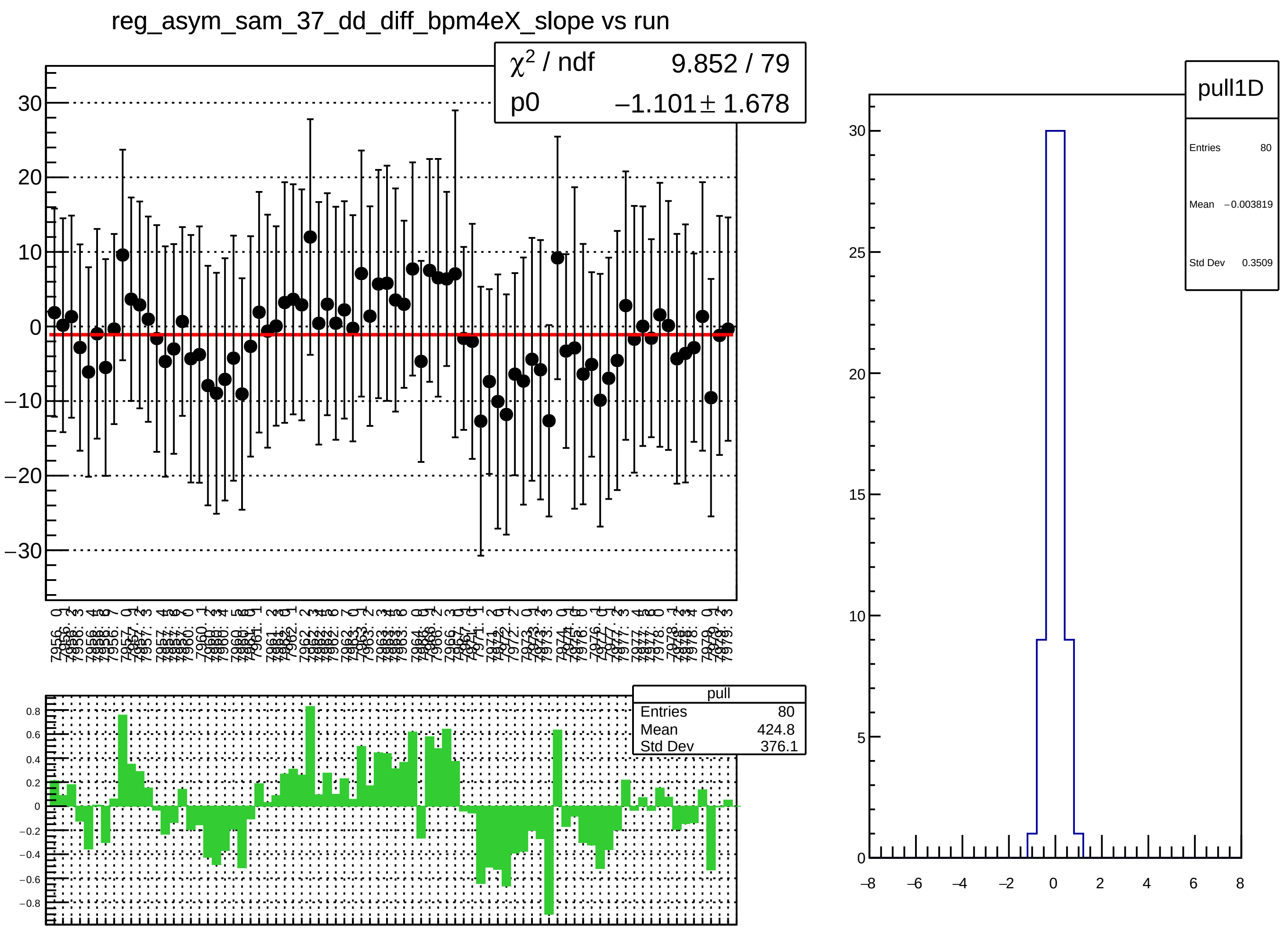

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.02 / 79
p0 −1.01 ± 0.118
pull
Entries 80
Mean 220.1
Std Dev 192
pull1D
Entries 80
Mean −0.02117
Std Dev 0.4871

reg_asym_sam_37_dd_diff_bpm1X_slope vs run

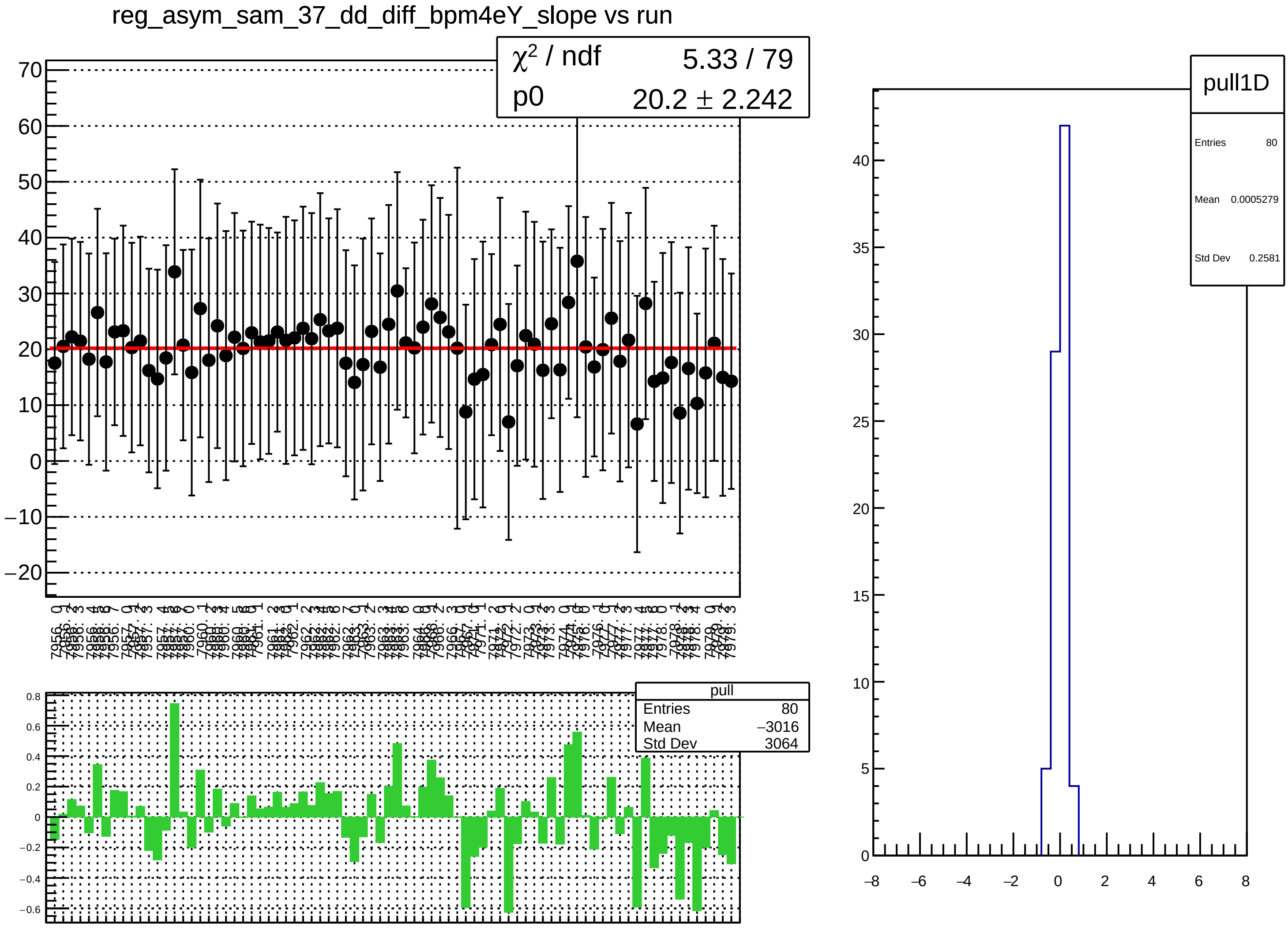




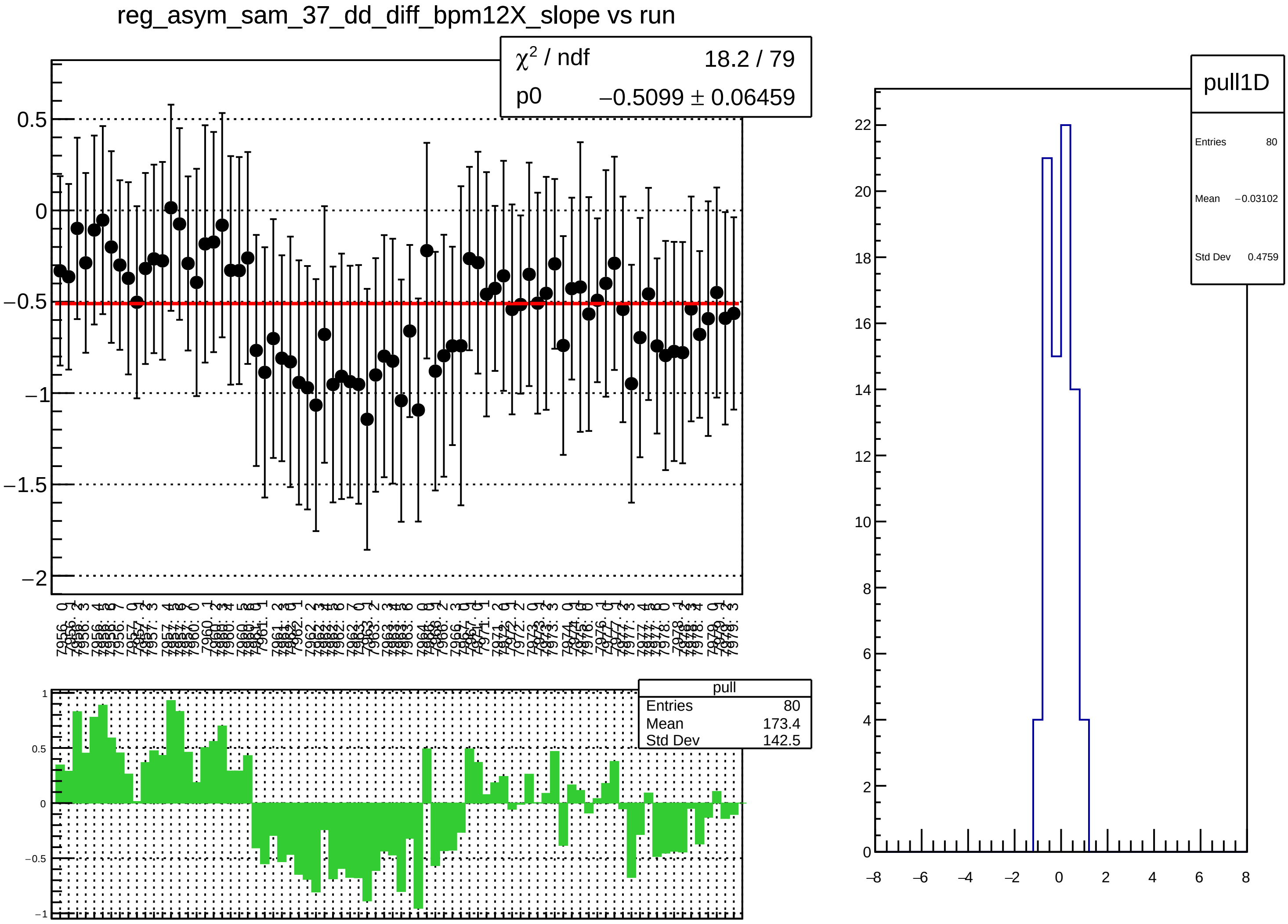
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.039 / 79
p0 −8.838 ± 1.957
pull
Entries 80
Mean −529.9
Std Dev 615.1
pull1D
Entries 80
Mean −0.0005055
Std Dev 0.251



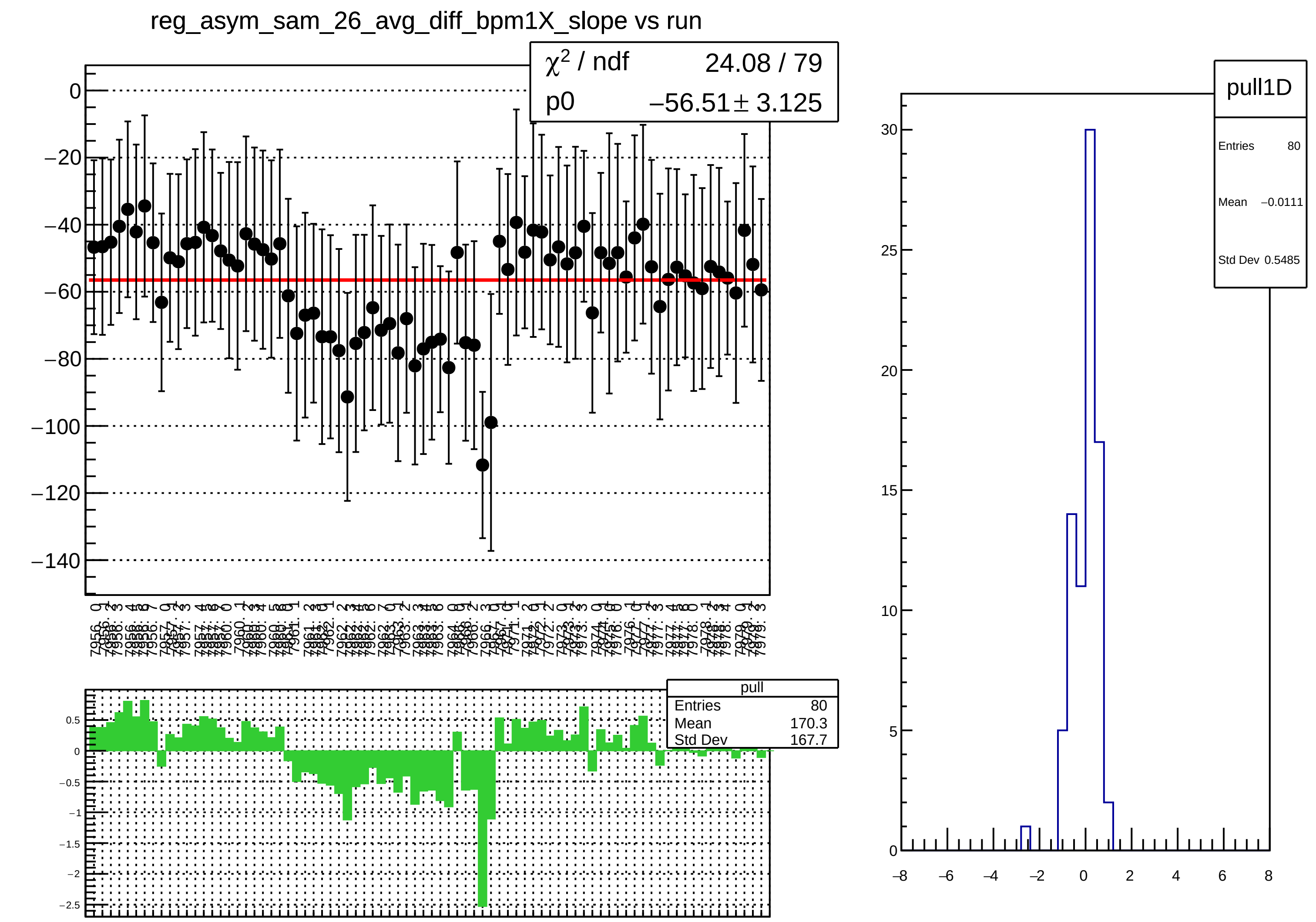
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.852 / 79
p0 −1.101 ± 1.678
pull
Entries 80
Mean 424.8
Std Dev 376.1
pull1D
Entries 80
Mean −0.003819
Std Dev 0.3509



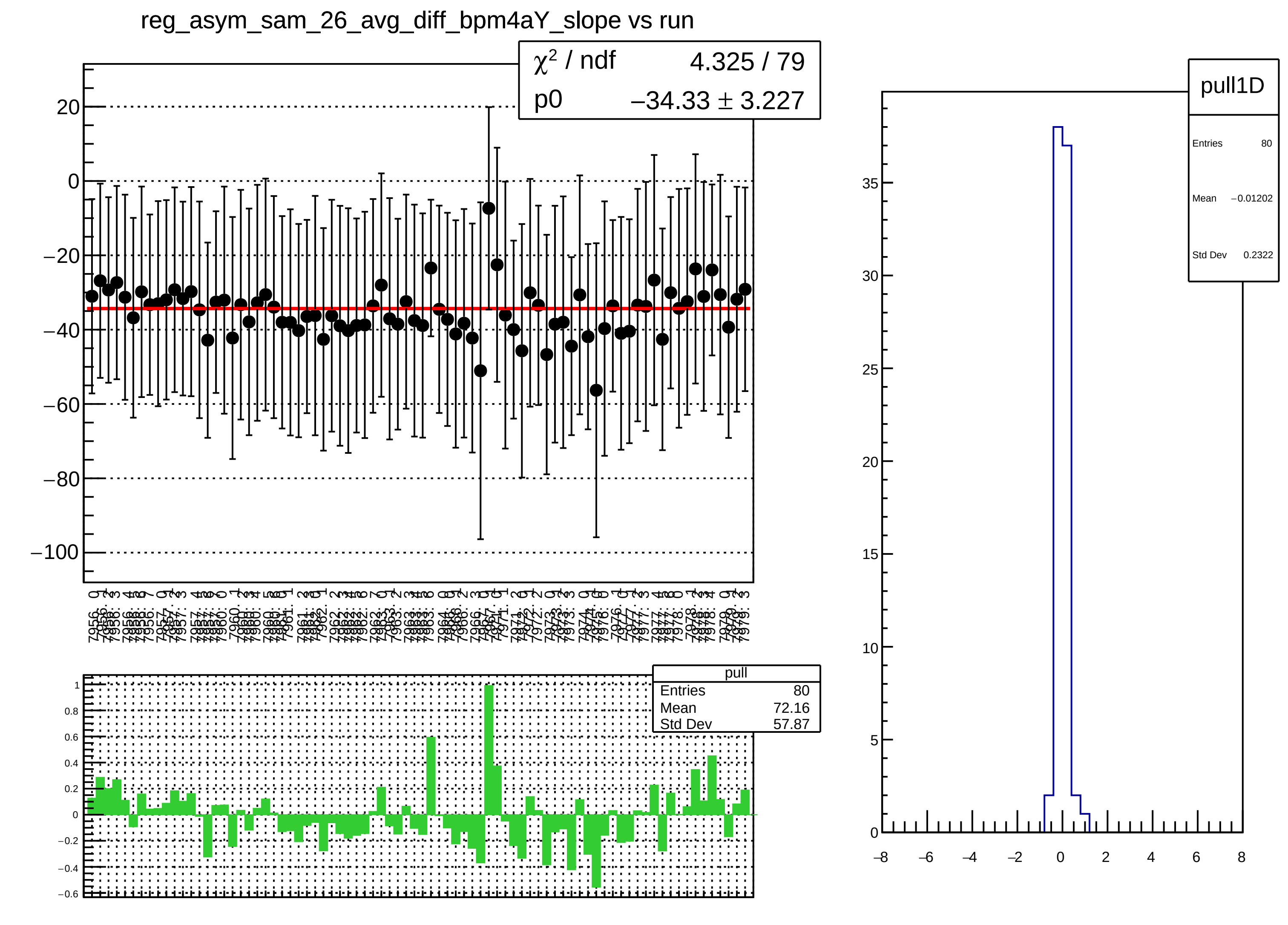
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 5.33 / 79
p0 20.2 ± 2.242
pull
Entries 80
Mean −3016
Std Dev 3064
pull1D
Entries 80
Mean 0.0005279
Std Dev 0.2581



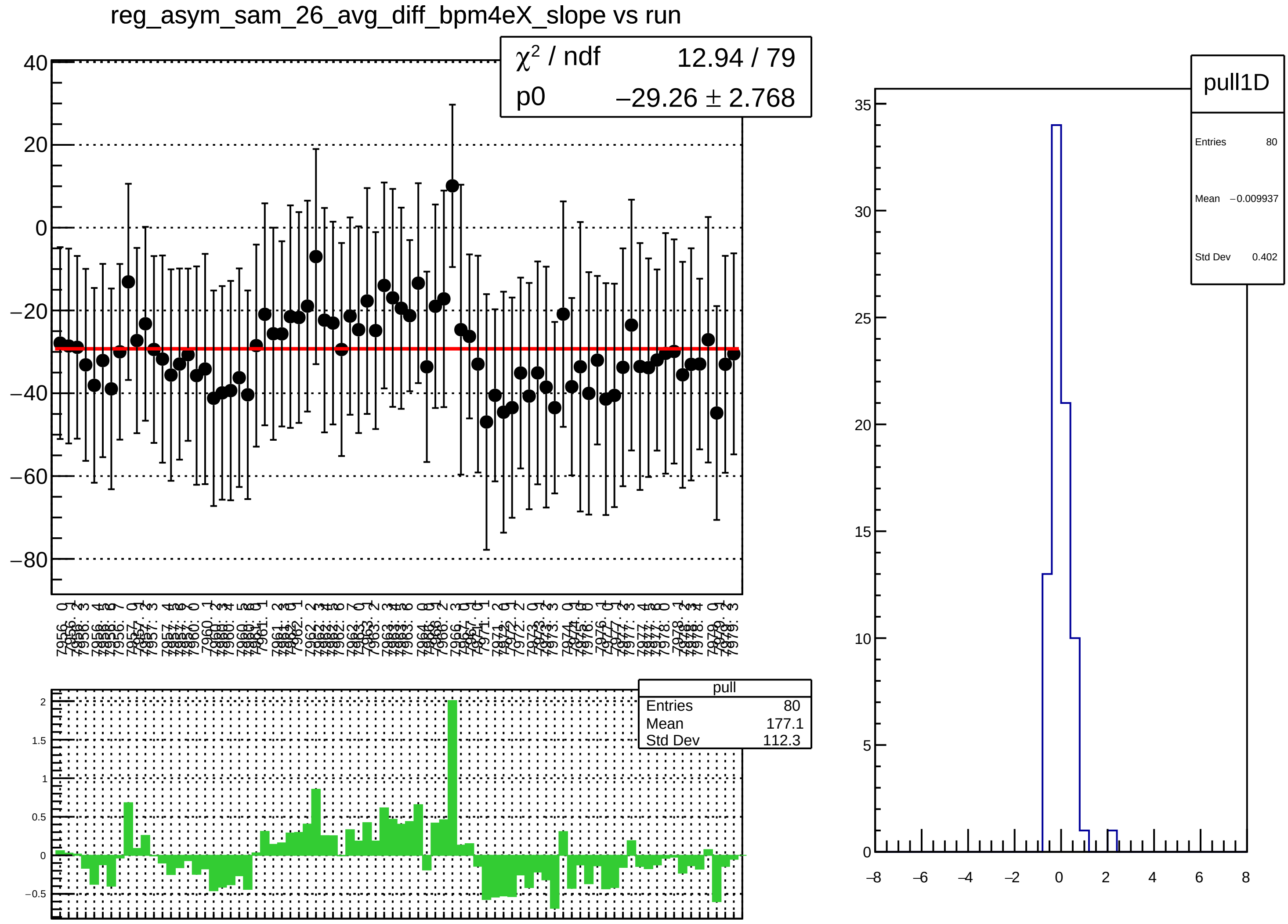
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.2 / 79
p0 −0.5099 ± 0.06459
pull
Entries 80
Mean 173.4
Std Dev 142.5
pull1D
Entries 80
Mean −0.03102
Std Dev 0.4759



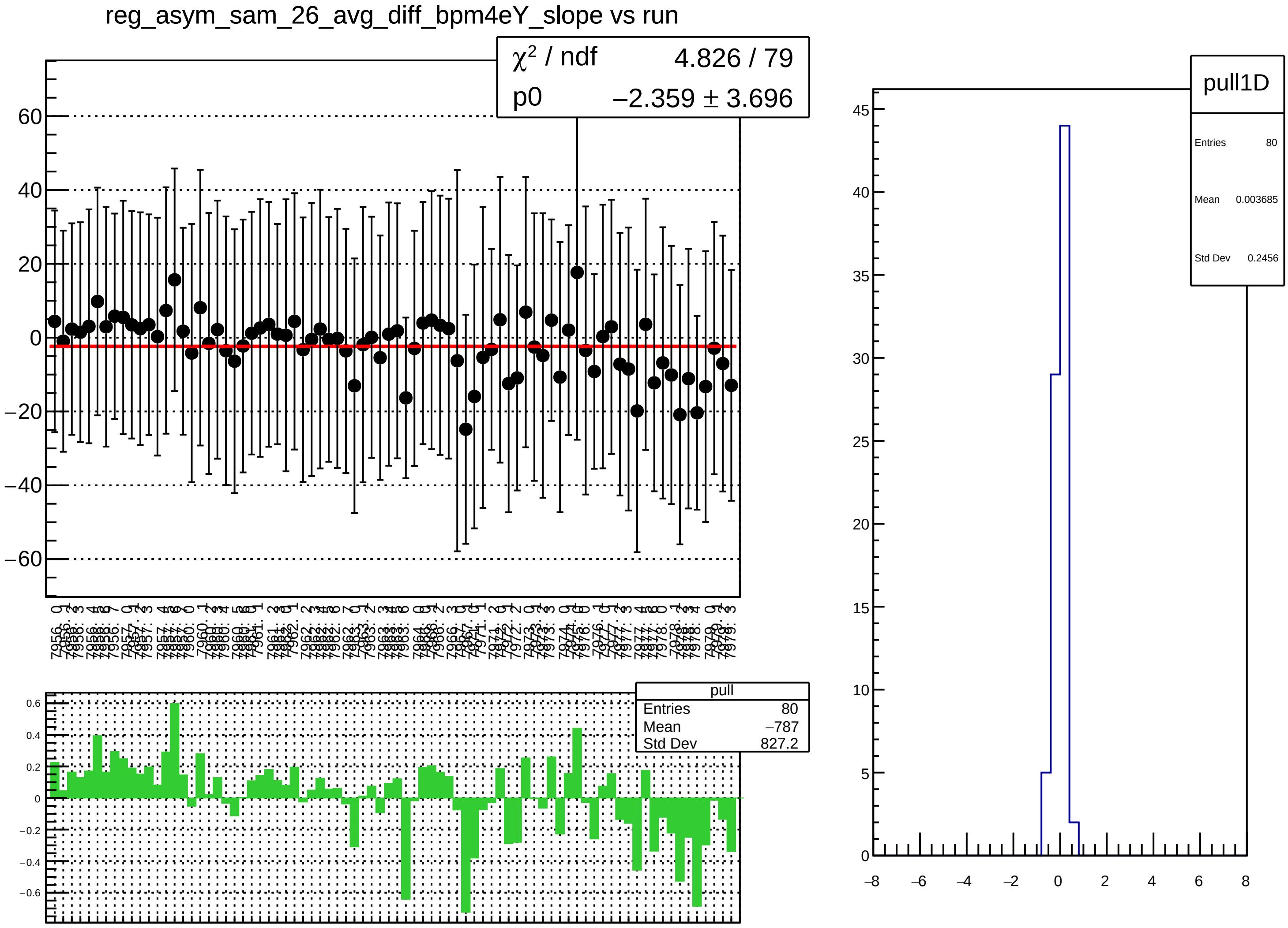
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.08 / 79
p0 −56.51 ± 3.125
pull
Entries 80
Mean 170.3
Std Dev 167.7
pull1D
Entries 80
Mean −0.0111
Std Dev 0.5485



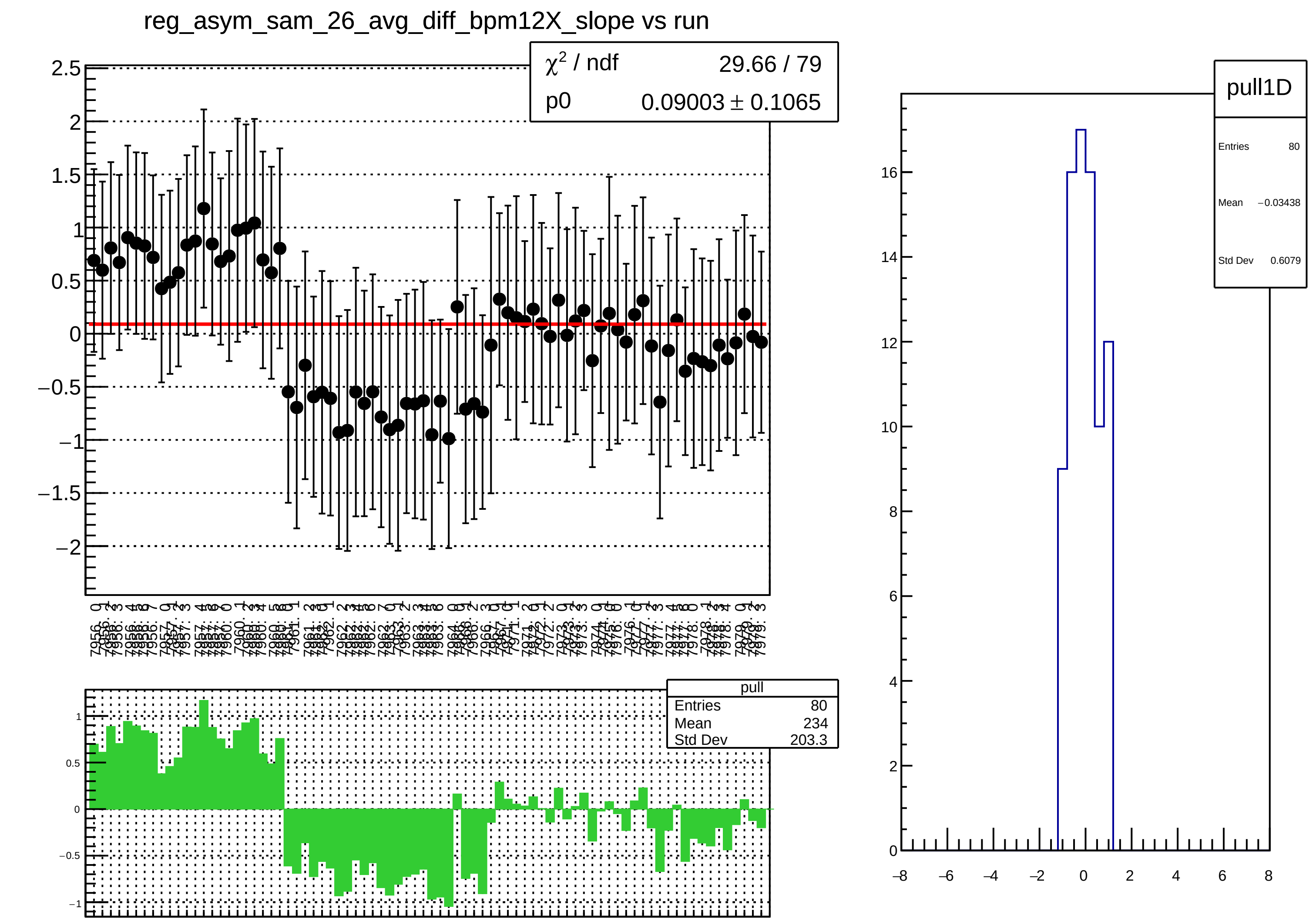
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ2 / ndf 4.325 / 79
p0 −34.33 ± 3.227
pull
Entries 80
Mean 72.16
Std Dev 57.87
pull1D
Entries 80
Mean −0.01202
Std Dev 0.2322



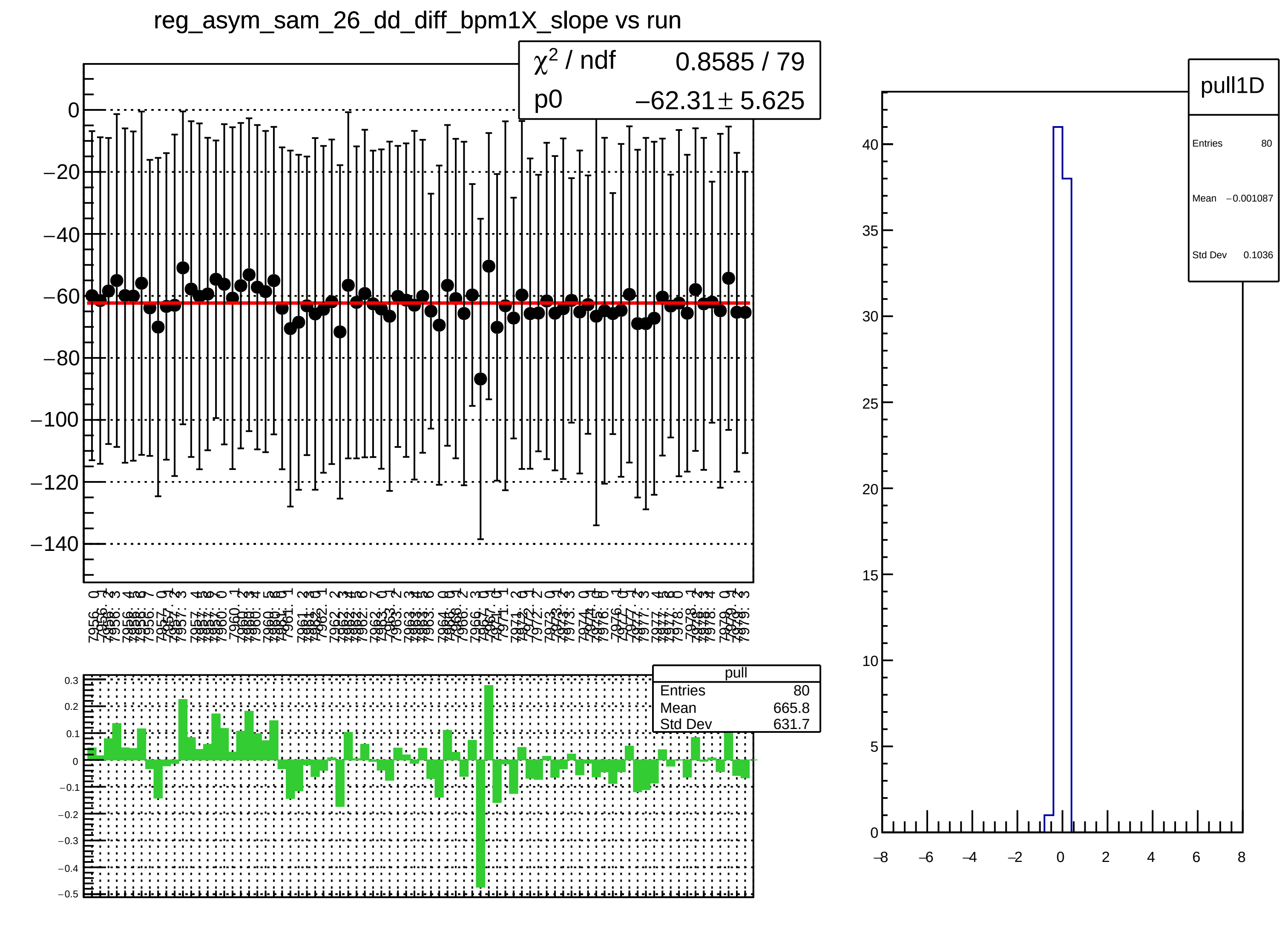
reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ2 / ndf 12.94 / 79
p0 −29.26 ± 2.768
pull
Entries 80
Mean 177.1
Std Dev 112.3
pull1D
Entries 80
Mean −0.009937
Std Dev 0.402



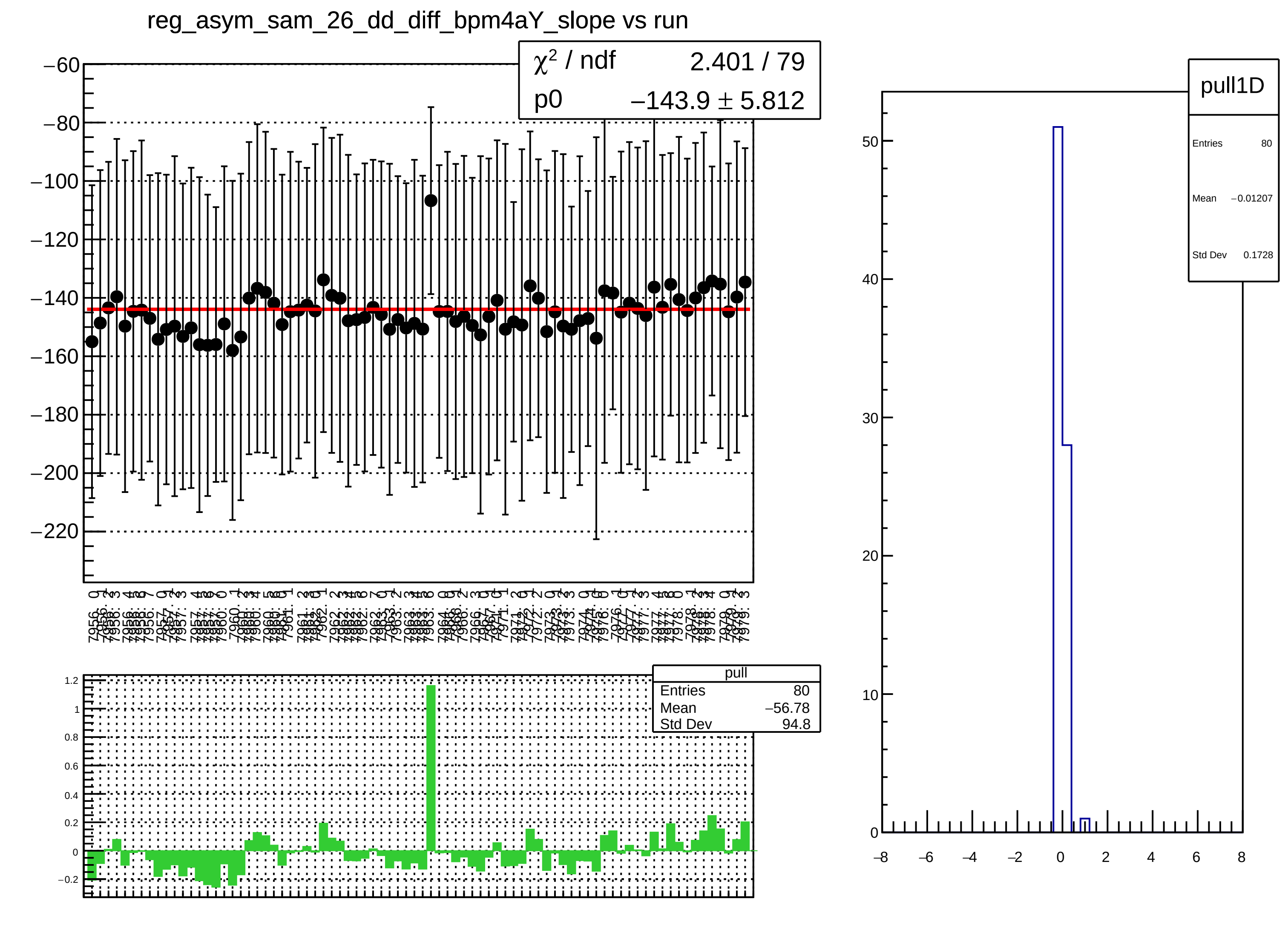
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.826 / 79
p0 −2.359 ± 3.696
pull
Entries 80
Mean −787
Std Dev 827.2
pull1D
Entries 80
Mean 0.003685
Std Dev 0.2456



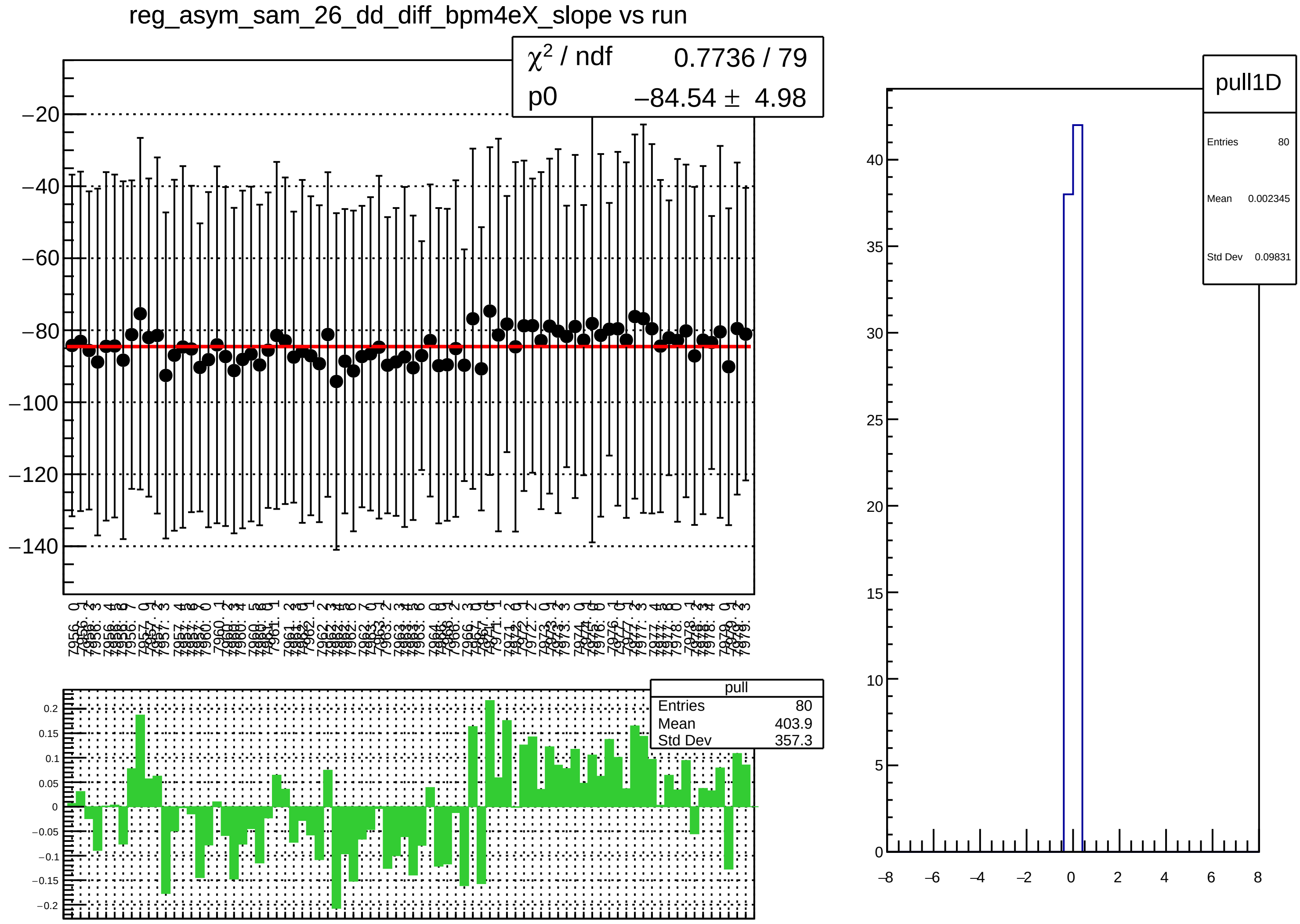
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.66 / 79
p0 0.09003 ± 0.1065
pull
Entries 80
Mean 234
Std Dev 203.3
pull1D
Entries 80
Mean −0.03438
Std Dev 0.6079



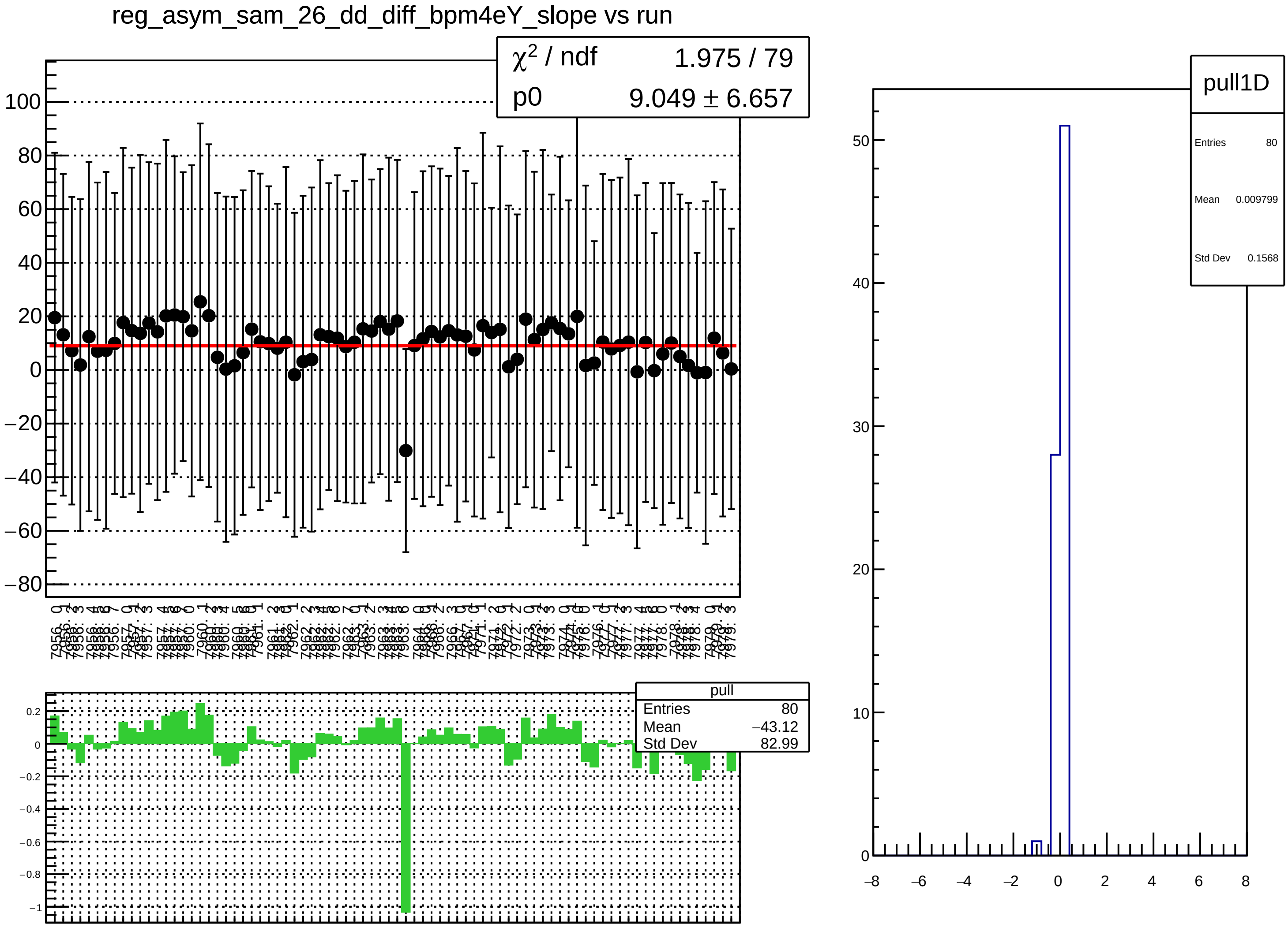
reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 0.8585 / 79
p0 −62.31 ± 5.625
pull
Entries 80
Mean 665.8
Std Dev 631.7
pull1D
Entries 80
Mean −0.001087
Std Dev 0.1036



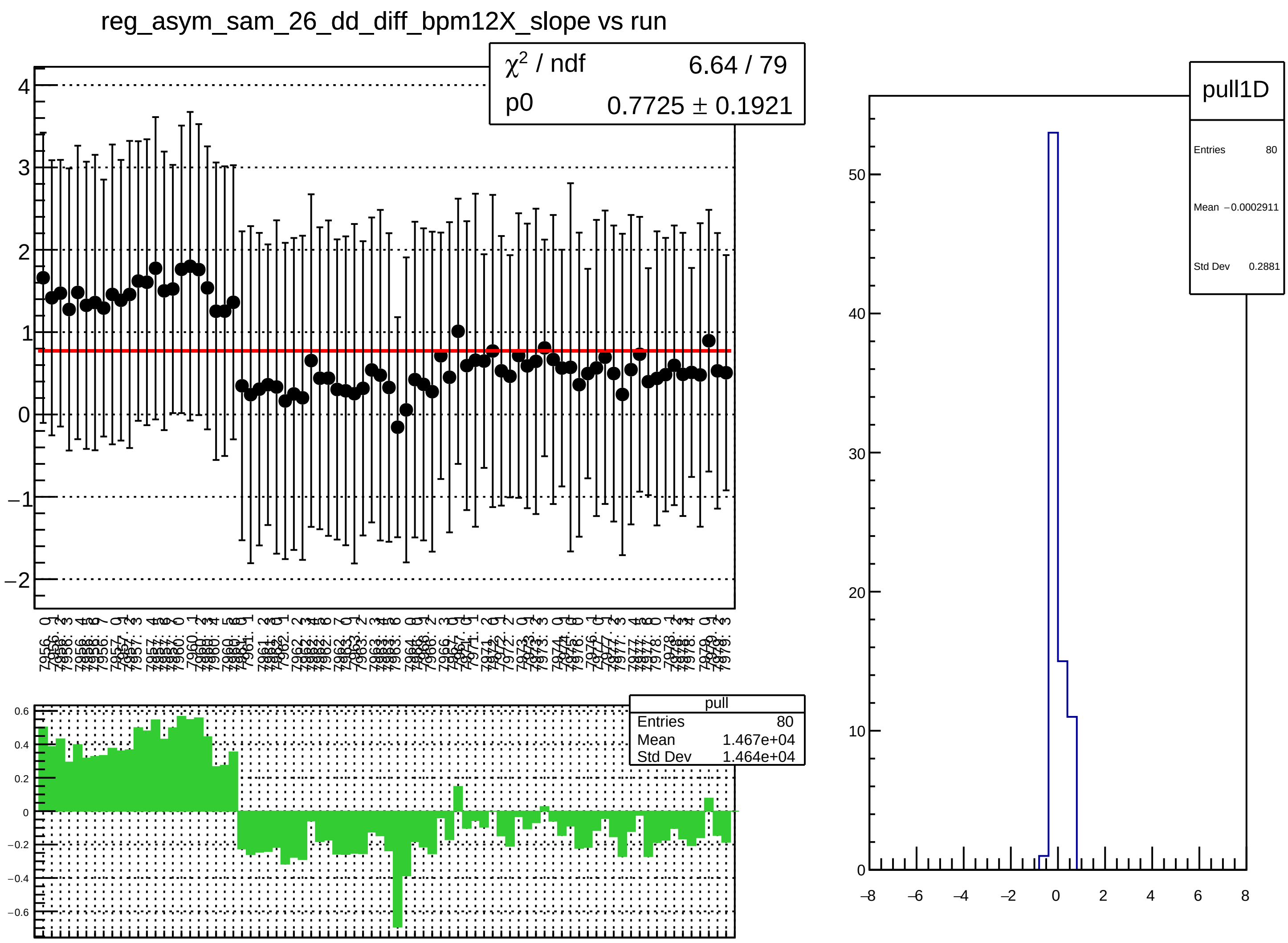
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2.401 / 79
p0 −143.9 ± 5.812
pull
Entries 80
Mean −56.78
Std Dev 94.8
pull1D
Entries 80
Mean −0.01207
Std Dev 0.1728



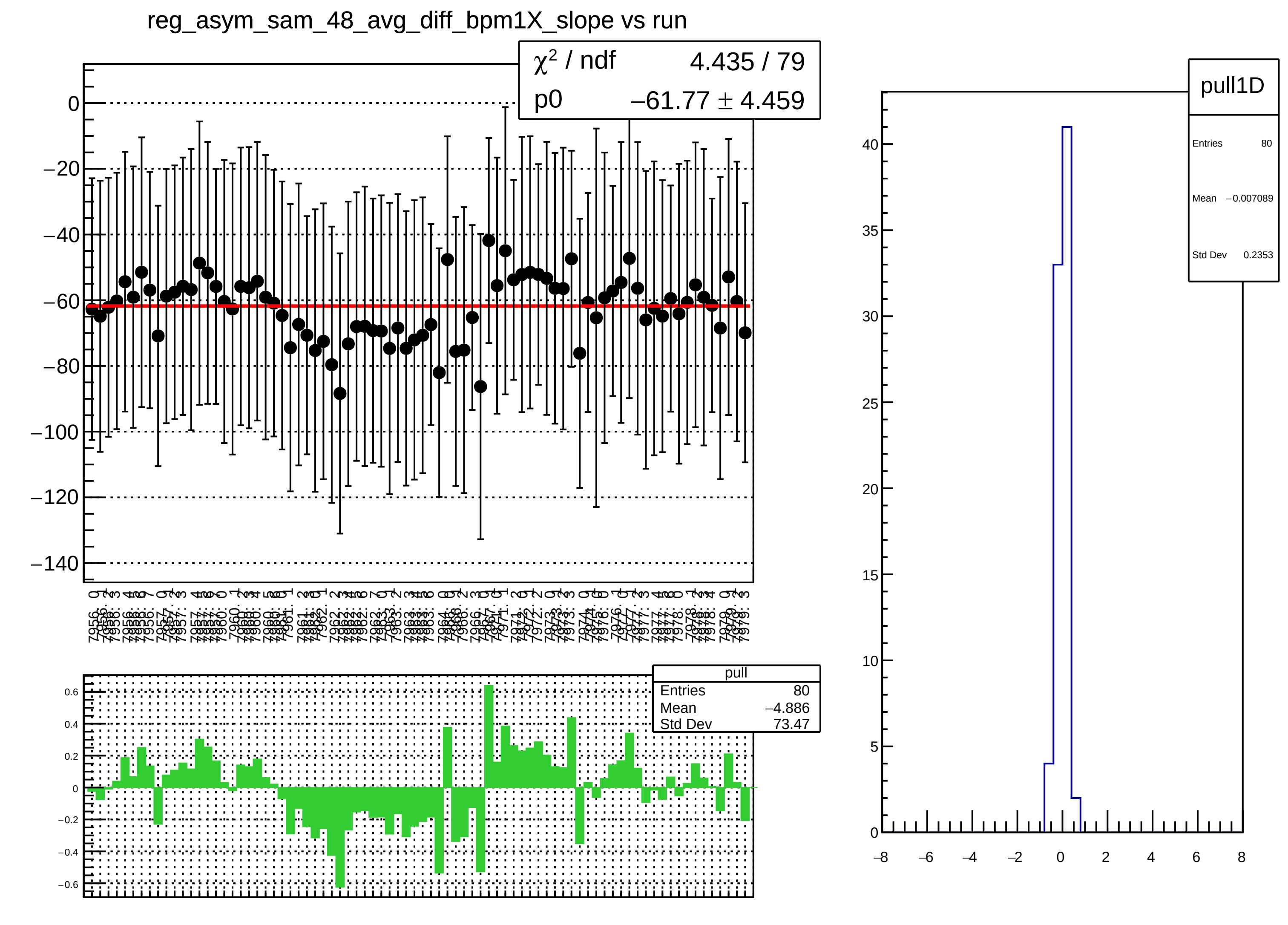
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.7736 / 79
p0 −84.54 ± 4.98
pull
Entries 80
Mean 403.9
Std Dev 357.3
pull1D
Entries 80
Mean 0.002345
Std Dev 0.09831

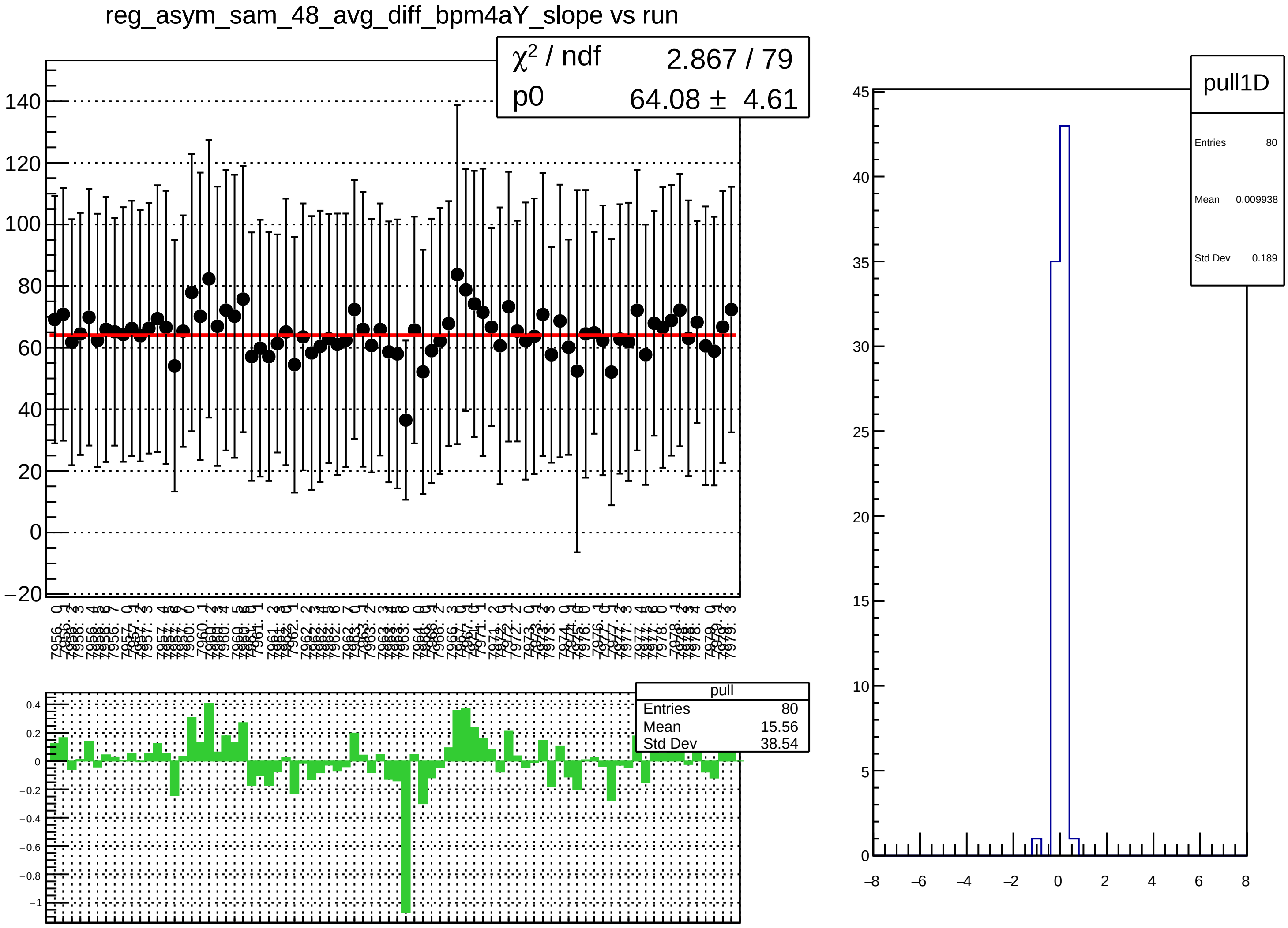


reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.975 / 79
p0 9.049 ± 6.657
pull
Entries 80
Mean −43.12
Std Dev 82.99
pull1D
Entries 80
Mean 0.009799
Std Dev 0.1568

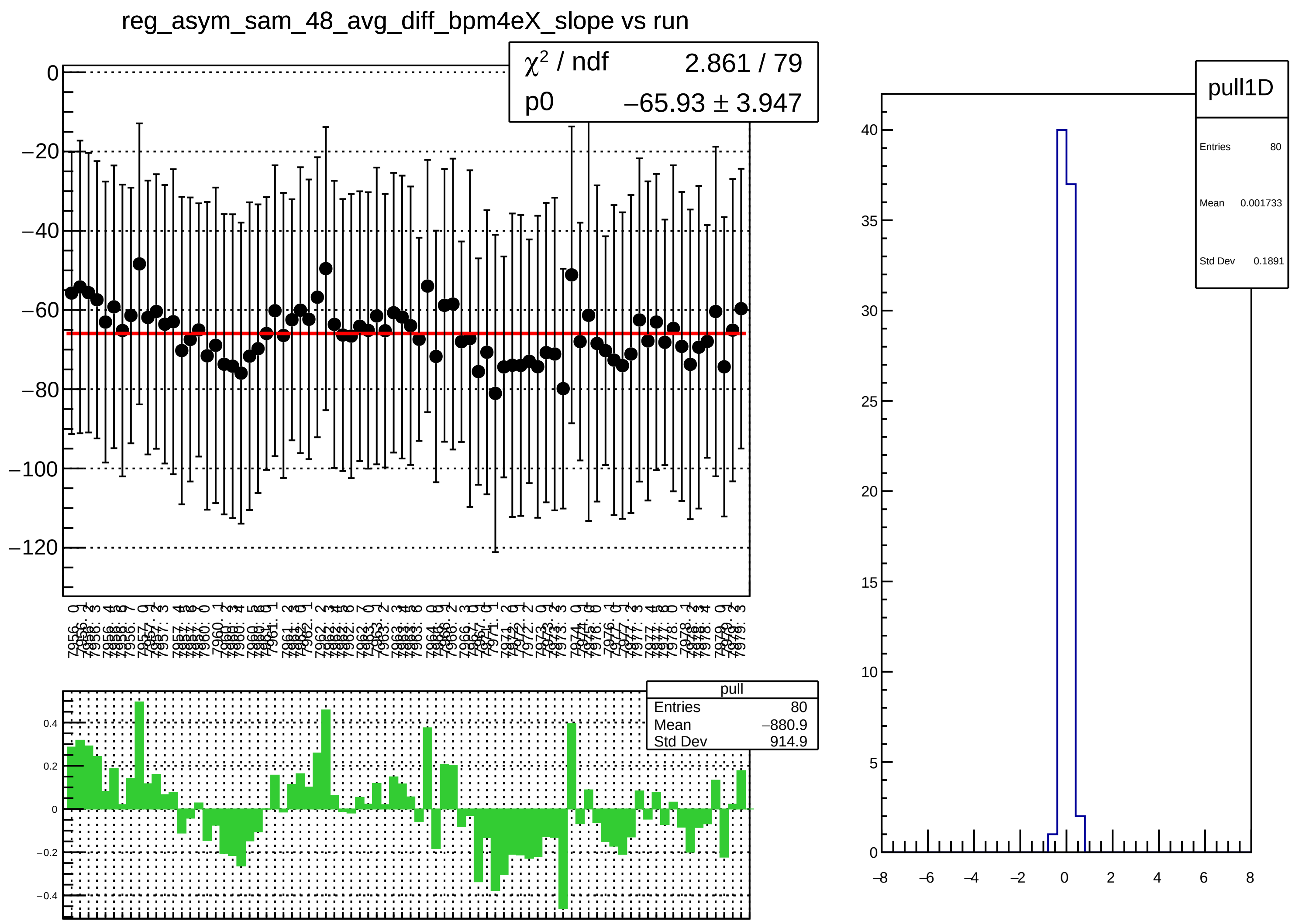


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.64 / 79
p0 0.7725 ± 0.1921
pull
Entries 80
Mean 1.467e+04
Std Dev 1.464e+04
pull1D
Entries 80
Mean −0.0002911
Std Dev 0.2881

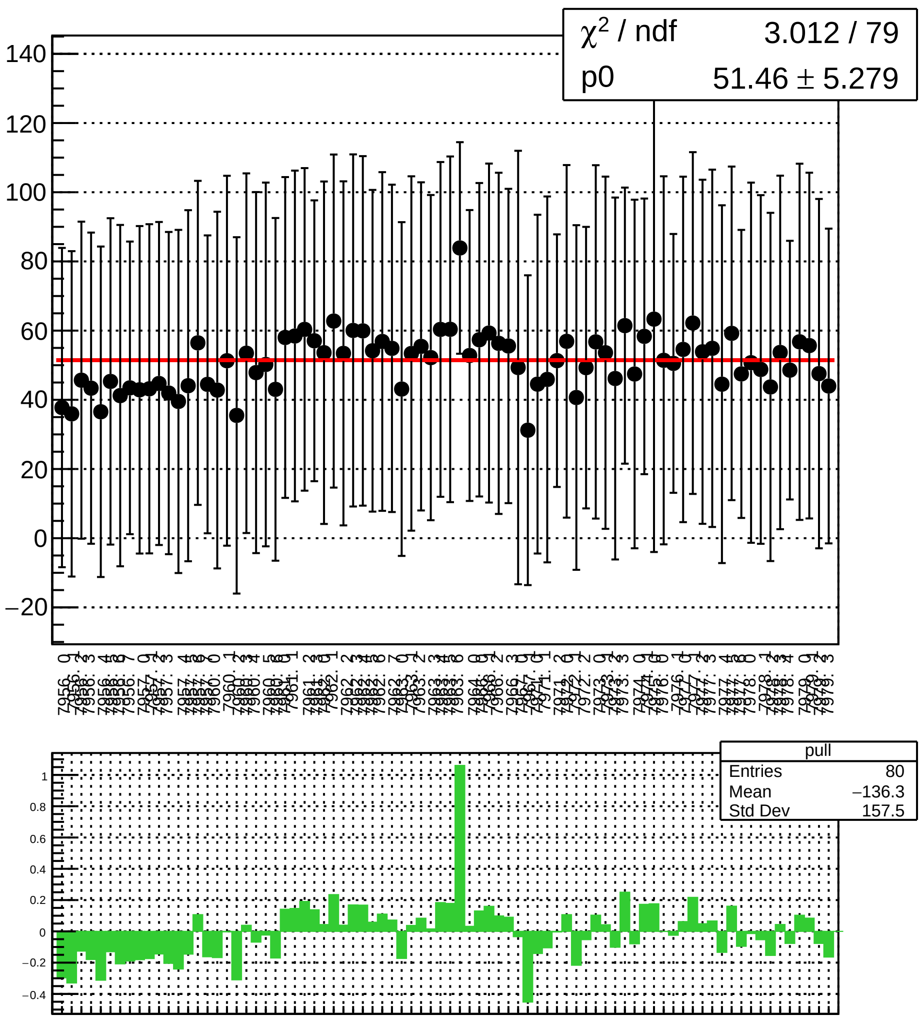

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.435 / 79
p0 −61.77 ± 4.459
pull
Entries 80
Mean −4.886
Std Dev 73.47
pull1D
Entries 80
Mean −0.007089
Std Dev 0.2353

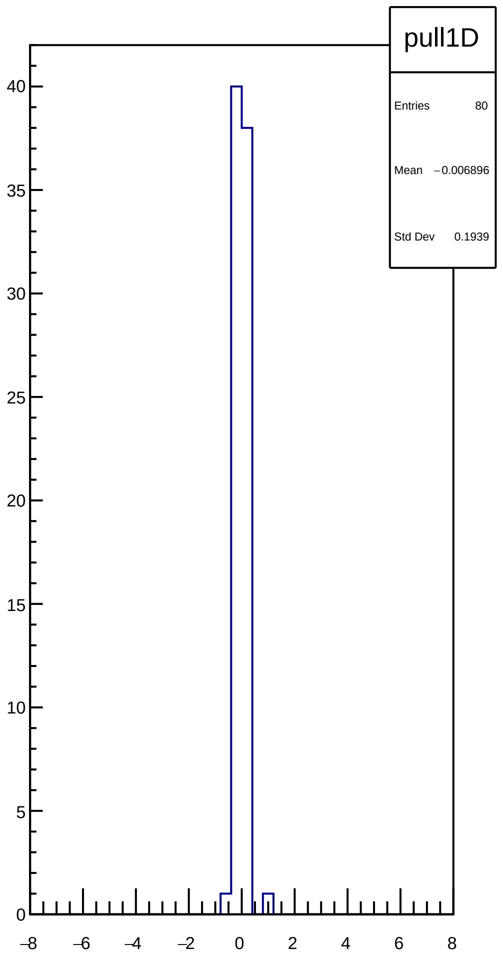


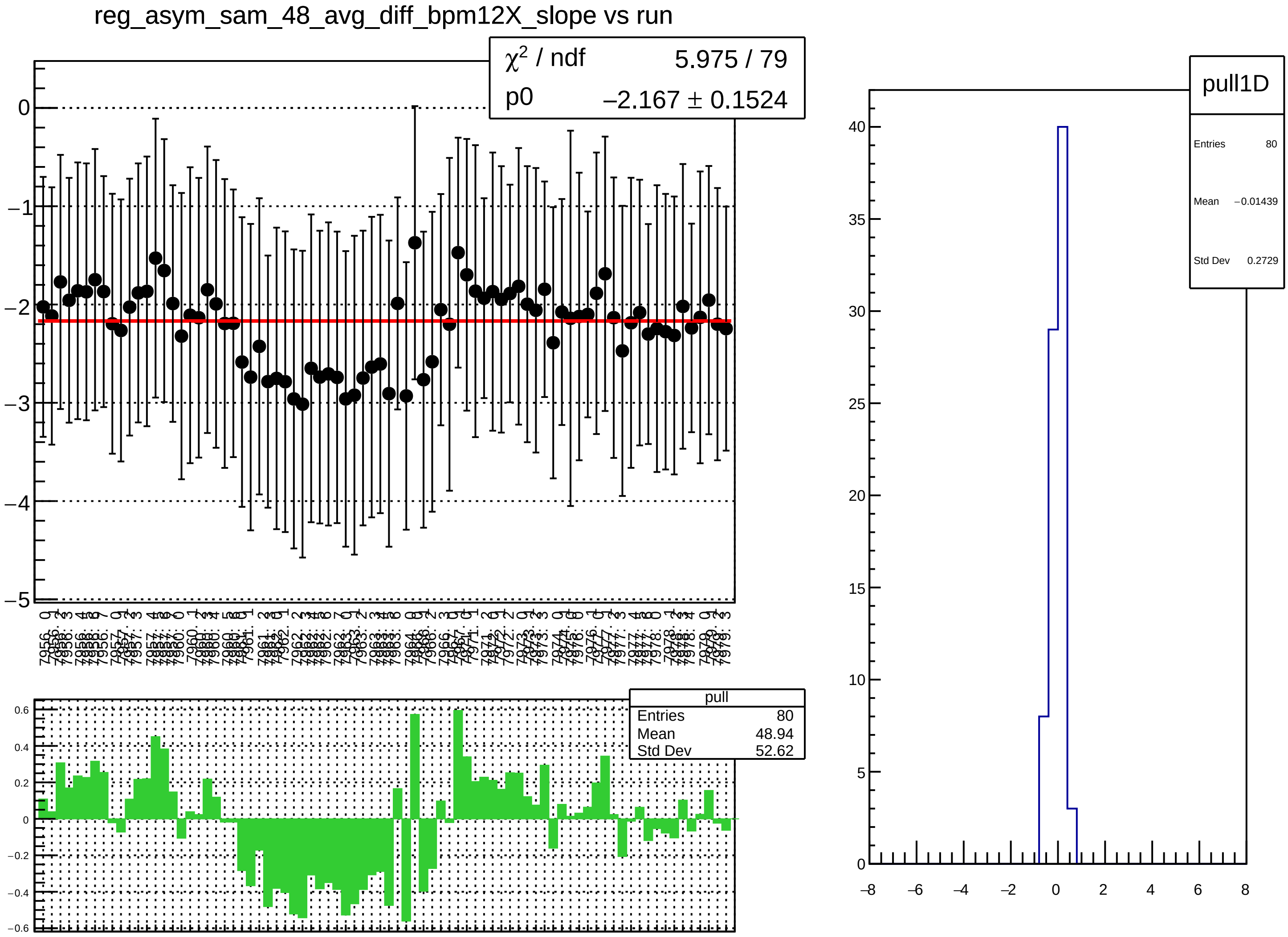
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.867 / 79
p0 64.08 ± 4.61
pull
Entries 80
Mean 15.56
Std Dev 38.54
pull1D
Entries 80
Mean 0.009938
Std Dev 0.189


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

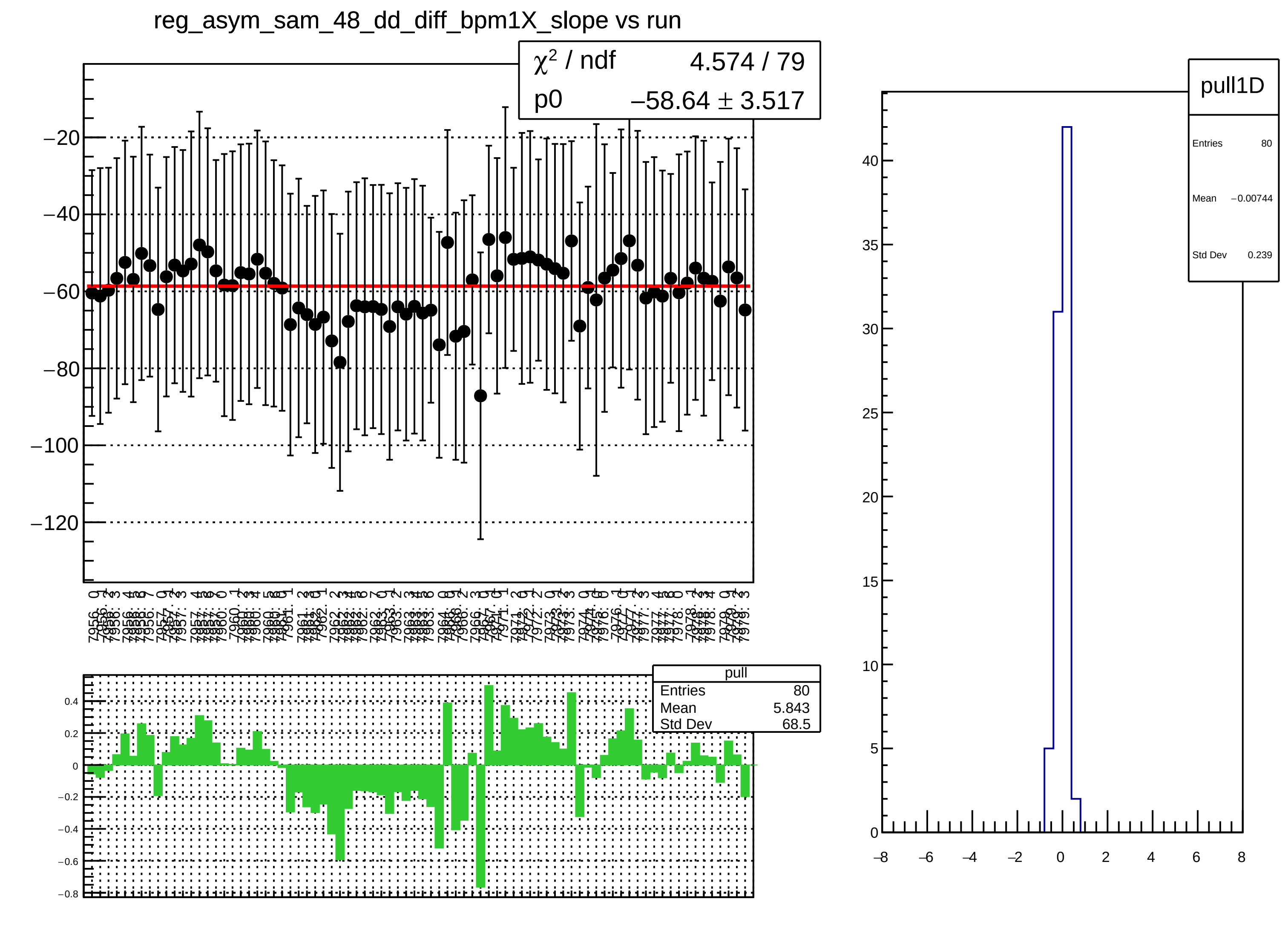
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run



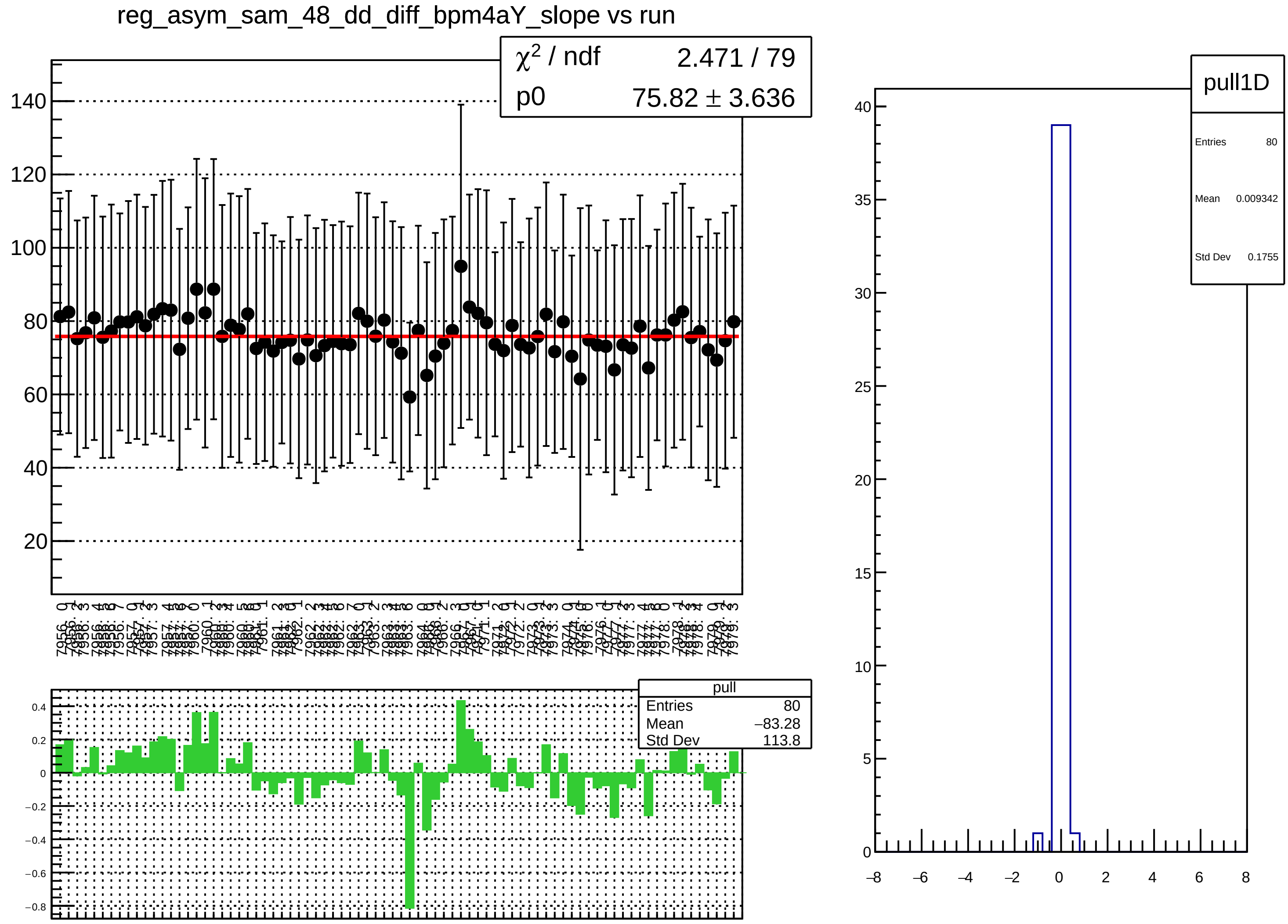




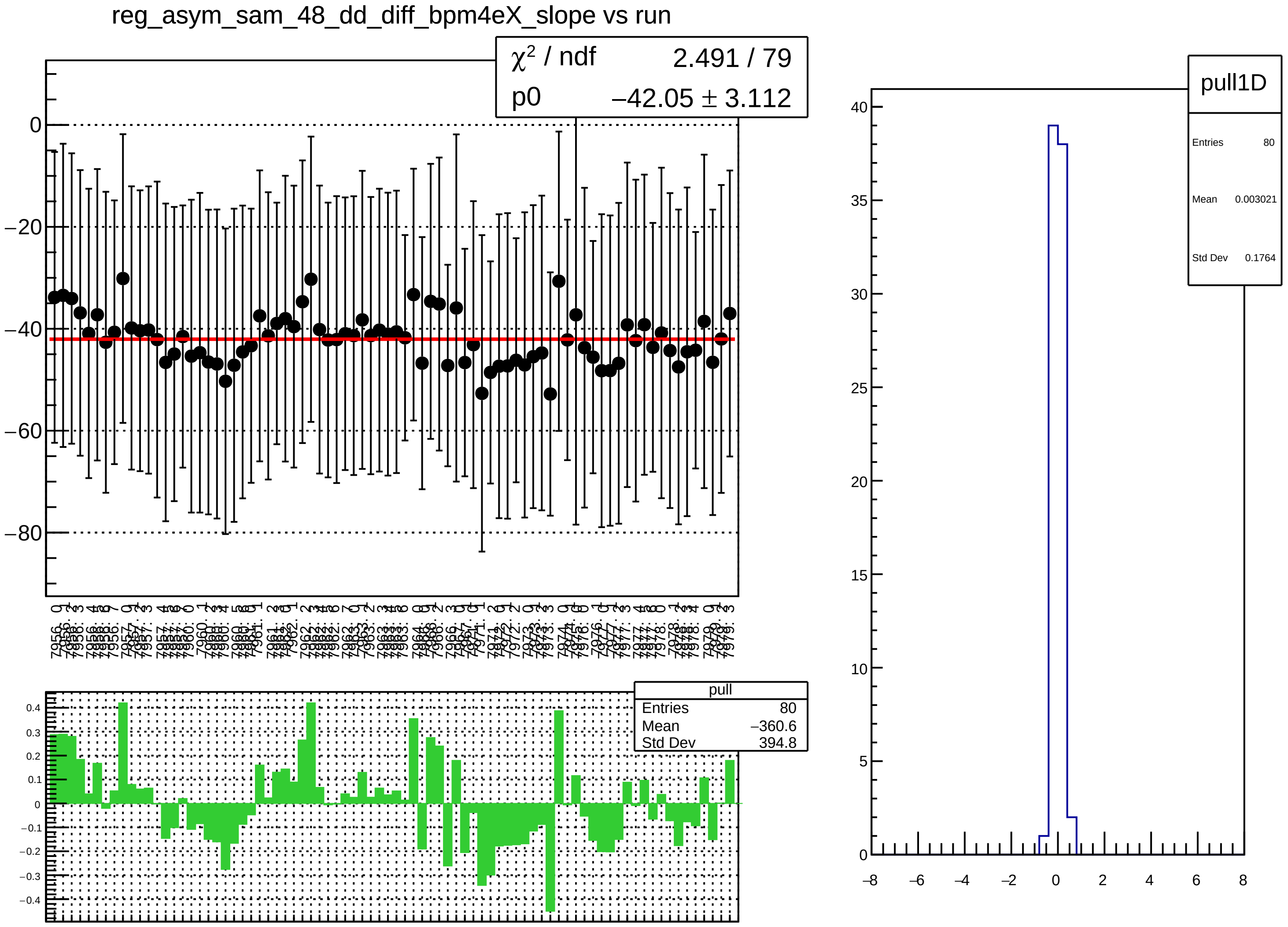
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.975 / 79
p0 −2.167 ± 0.1524
pull
Entries 80
Mean 48.94
Std Dev 52.62
pull1D
Entries 80
Mean −0.01439
Std Dev 0.2729



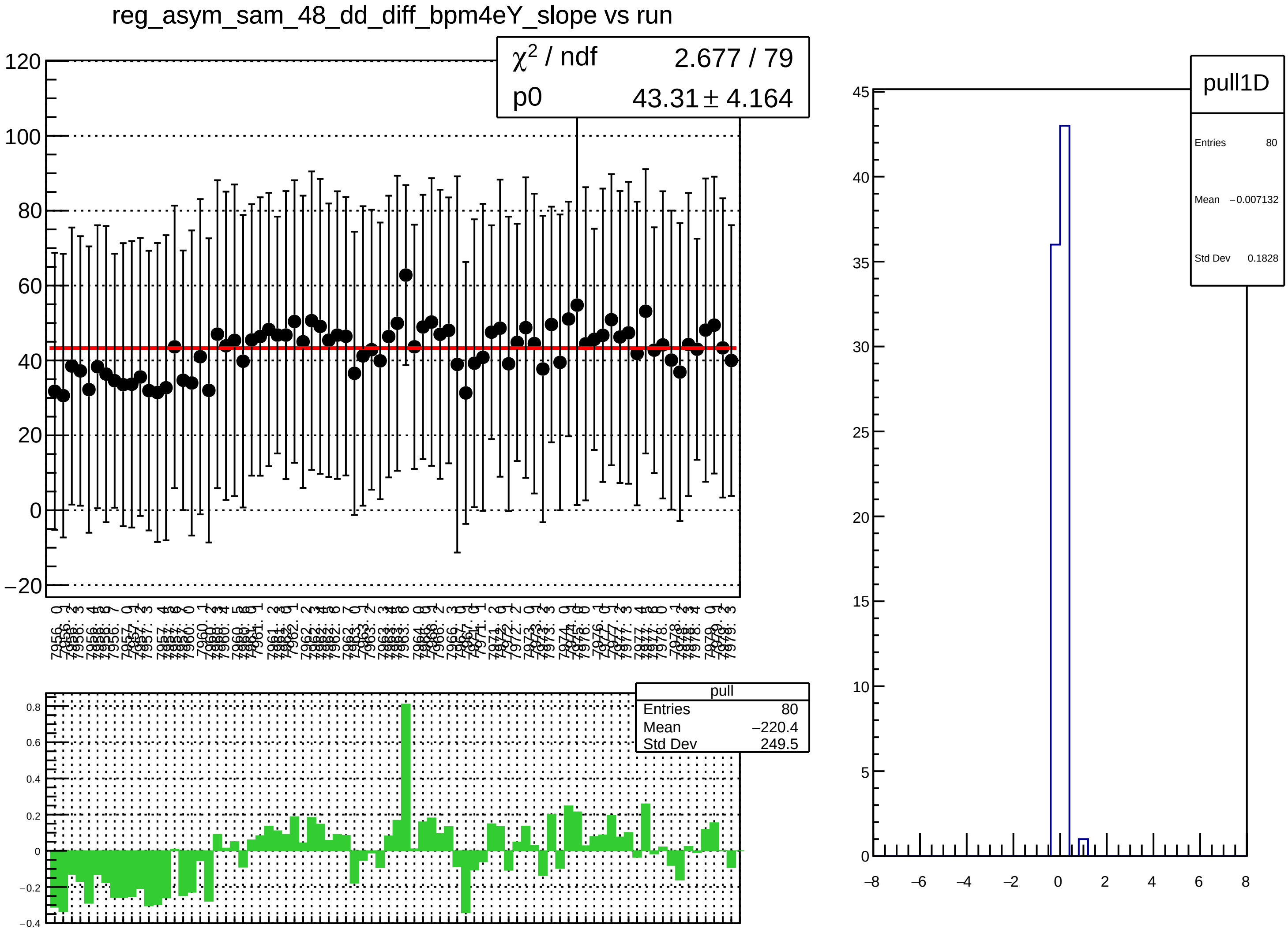
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 4.574 / 79
p0 −58.64 ± 3.517
pull
Entries 80
Mean 5.843
Std Dev 68.5
pull1D
Entries 80
Mean −0.00744
Std Dev 0.239



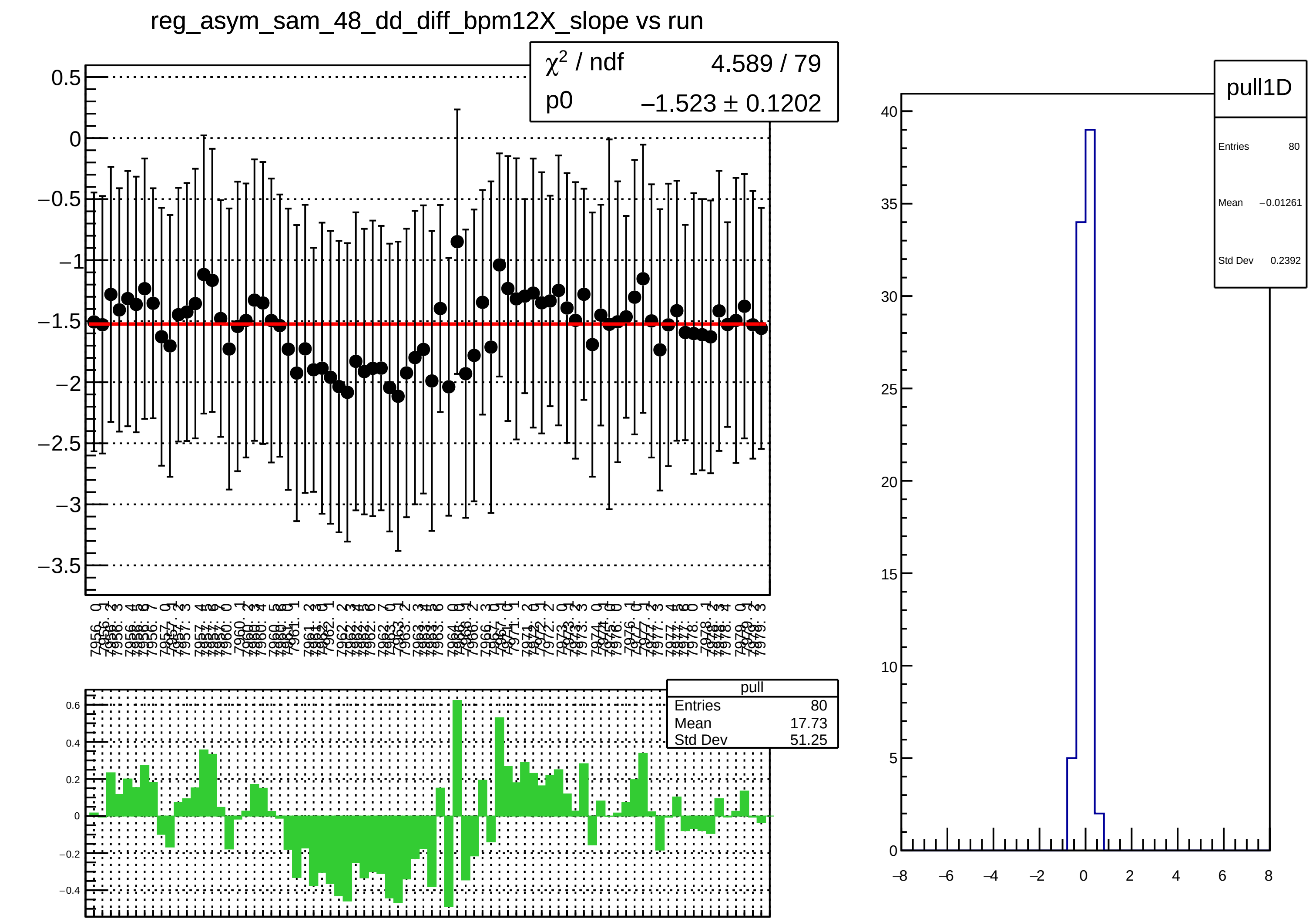
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 2.471 / 79
p0 75.82 ± 3.636
pull
Entries 80
Mean −83.28
Std Dev 113.8
pull1D
Entries 80
Mean 0.009342
Std Dev 0.1755



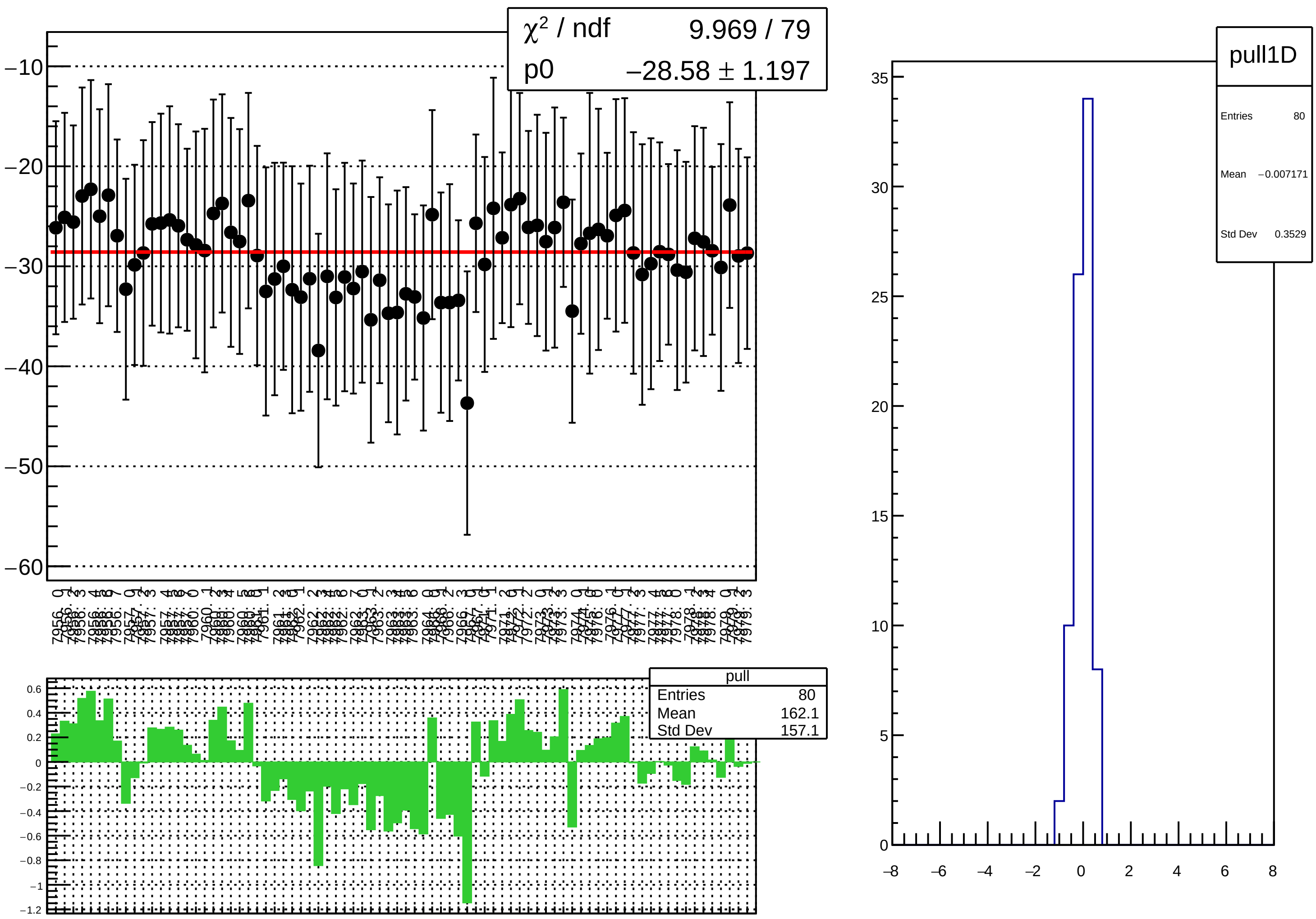
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.491 / 79
p0 −42.05 ± 3.112
pull
Entries 80
Mean −360.6
Std Dev 394.8
pull1D
Entries 80
Mean 0.003021
Std Dev 0.1764



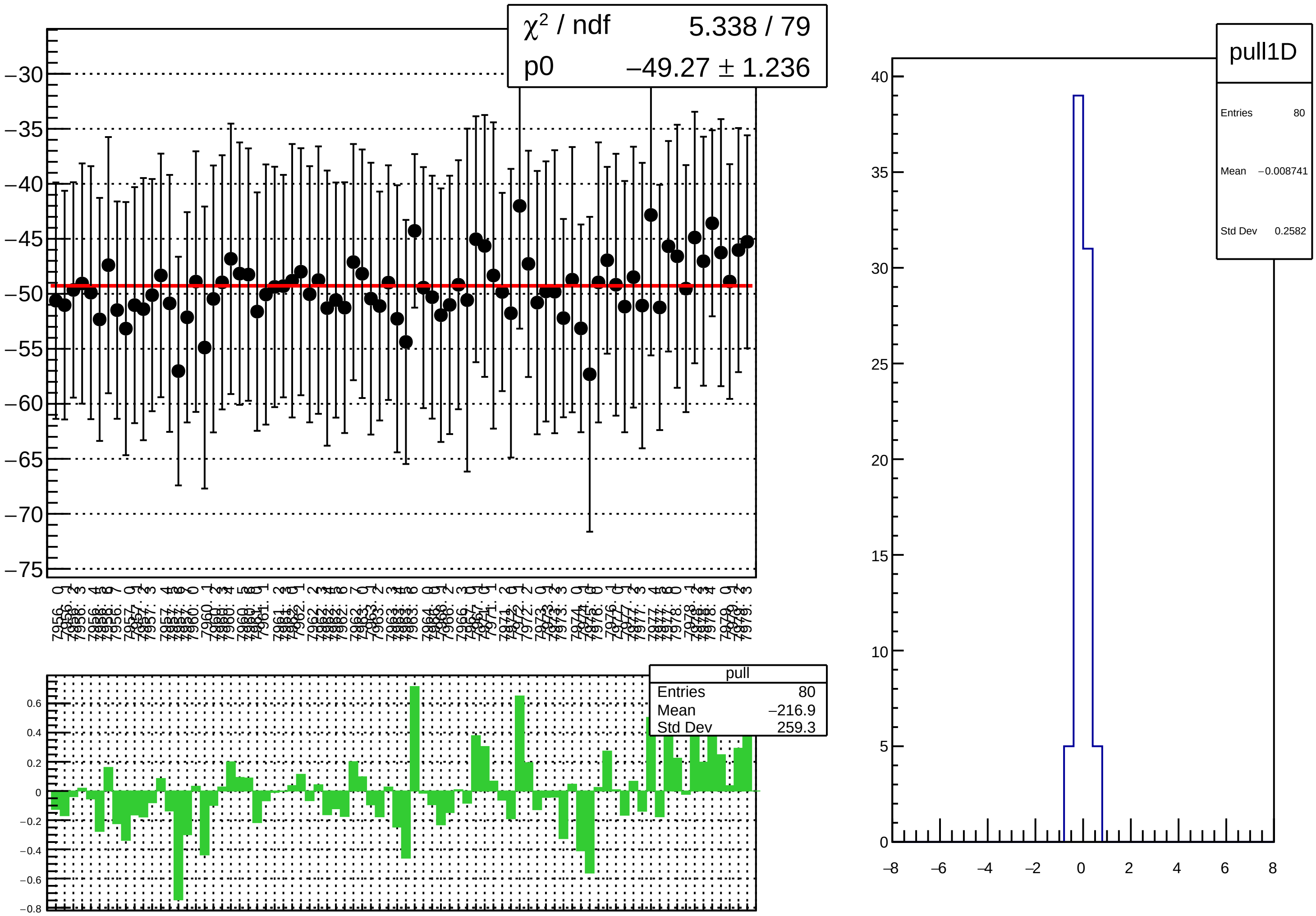
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.677 / 79
p0 43.31 ± 4.164
pull
Entries 80
Mean −220.4
Std Dev 249.5
pull1D
Entries 80
Mean −0.007132
Std Dev 0.1828

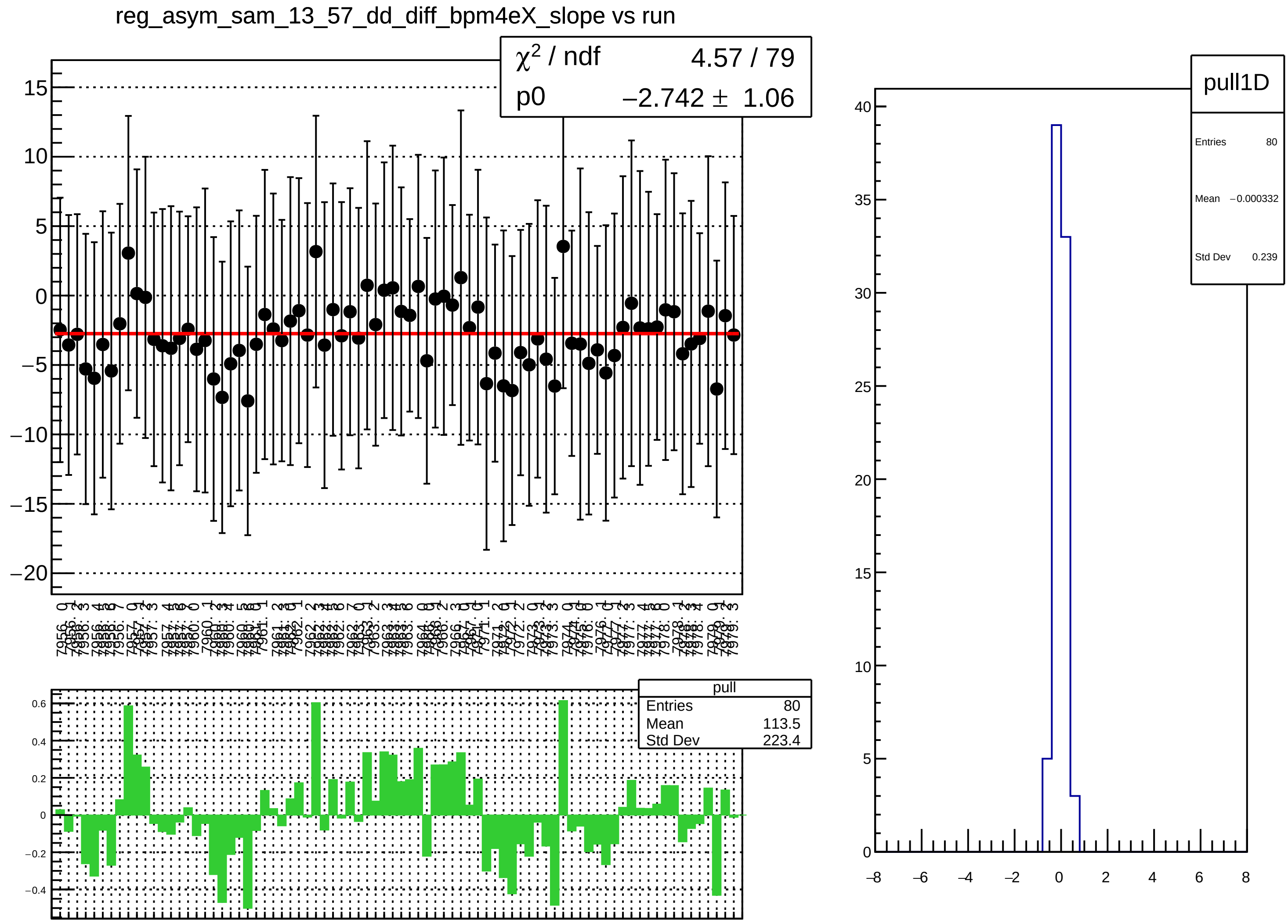

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.589 / 79
p0 −1.523 ± 0.1202
pull
Entries 80
Mean 17.73
Std Dev 51.25
pull1D
Entries 80
Mean −0.01261
Std Dev 0.2392

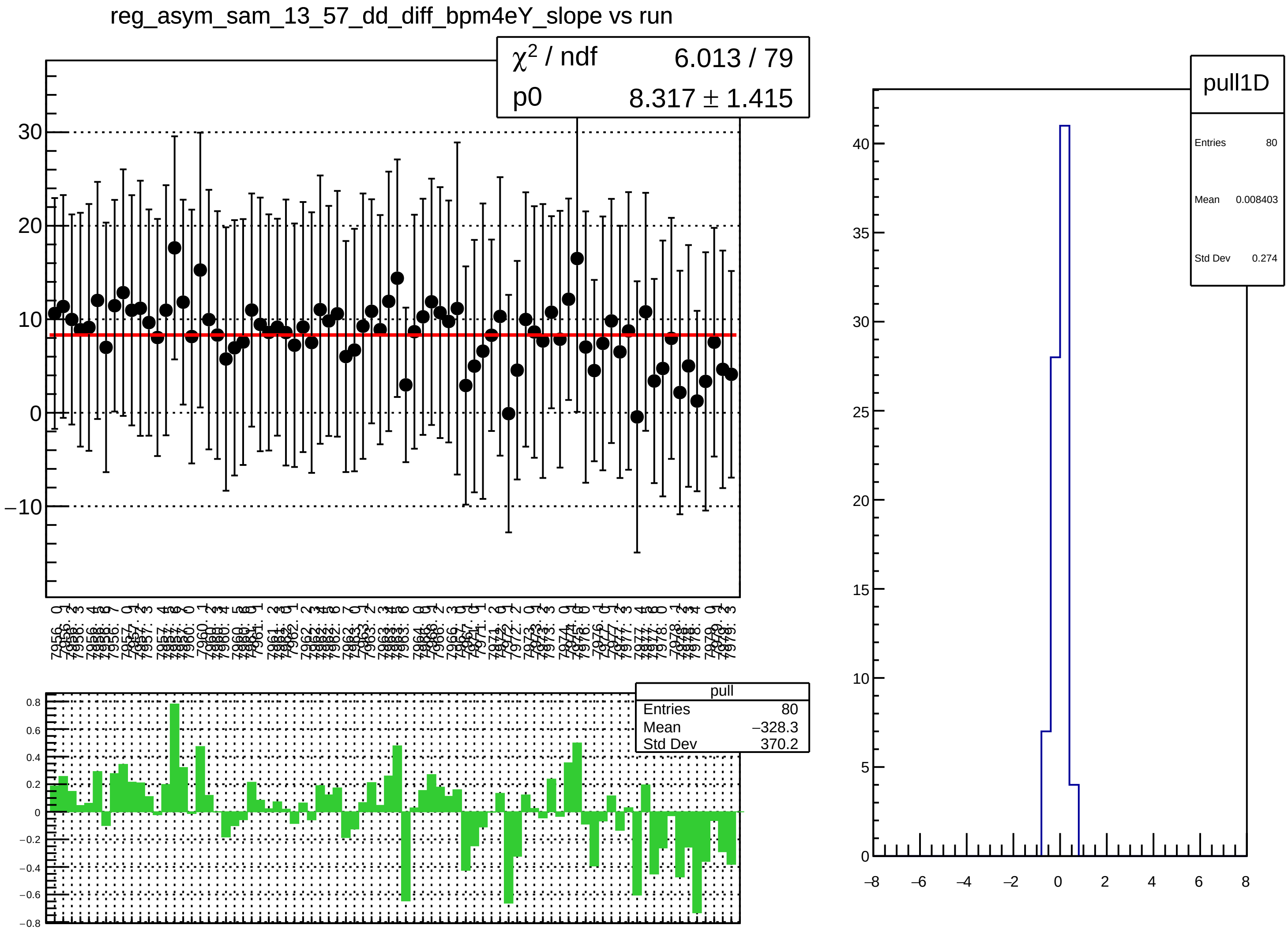
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run



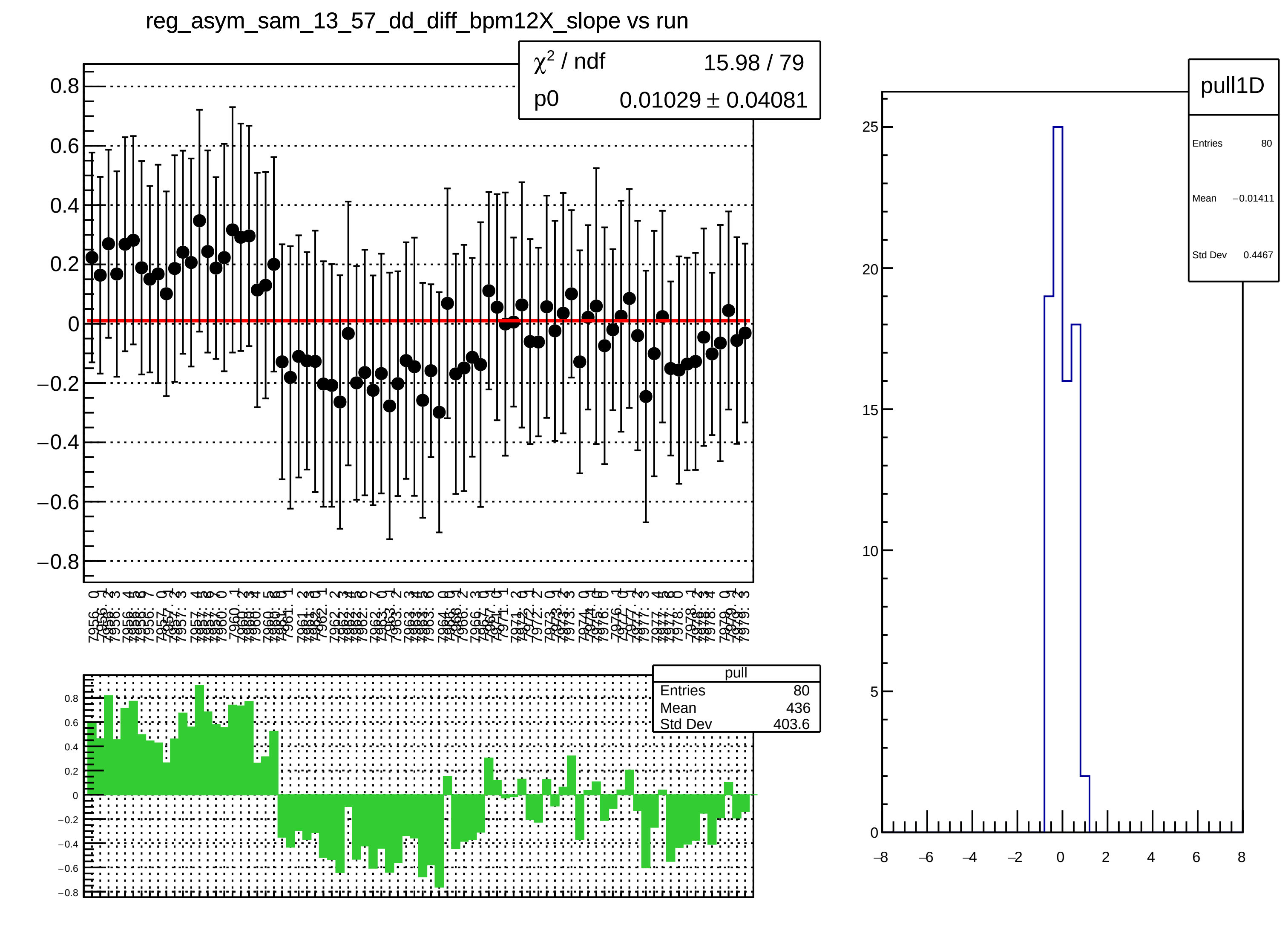
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run

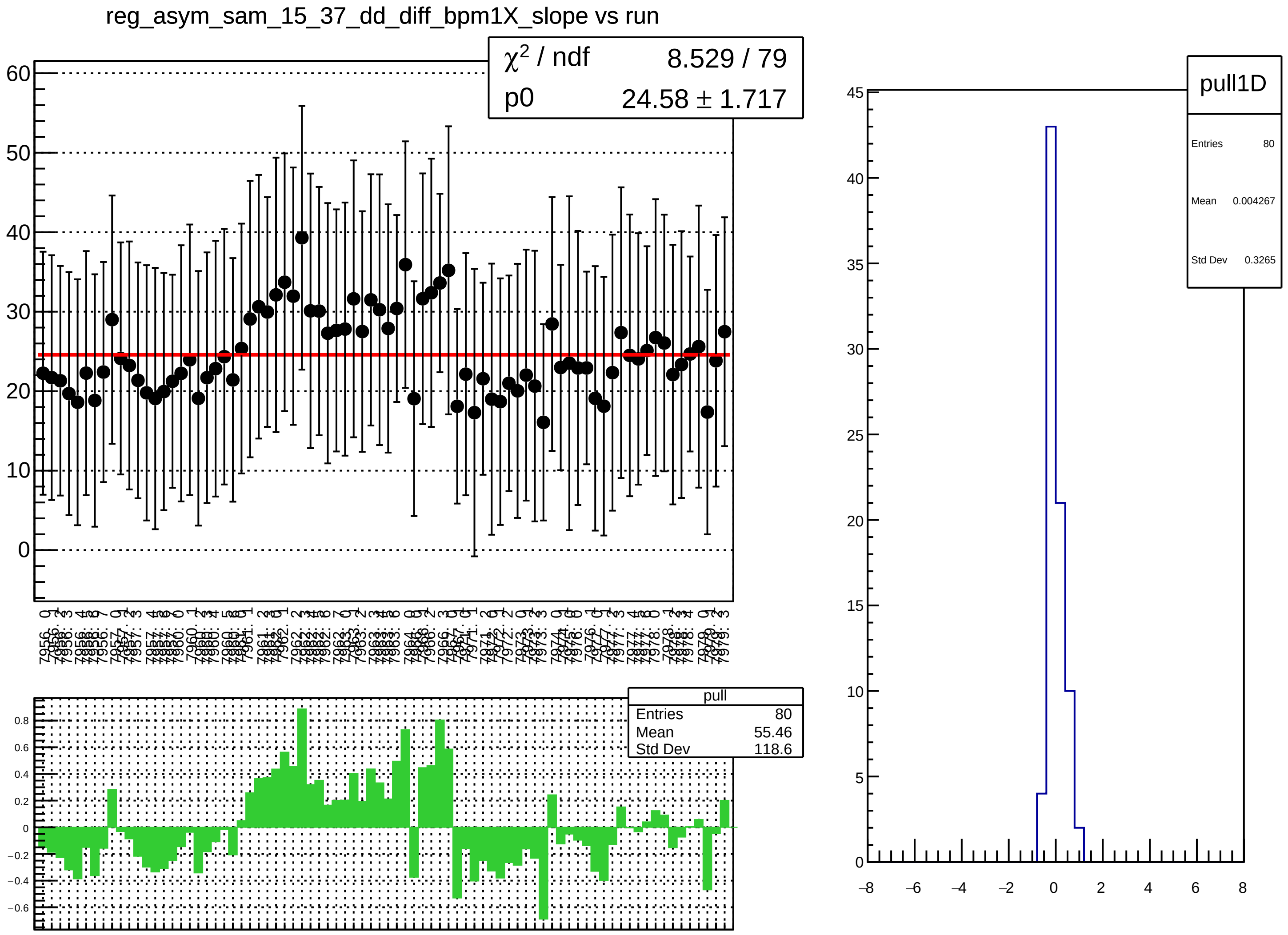



reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ2 / ndf 4.57 / 79
p0 −2.742 ± 1.06
pull
Entries 80
Mean 113.5
Std Dev 223.4
pull1D
Entries 80
Mean −0.000332
Std Dev 0.239

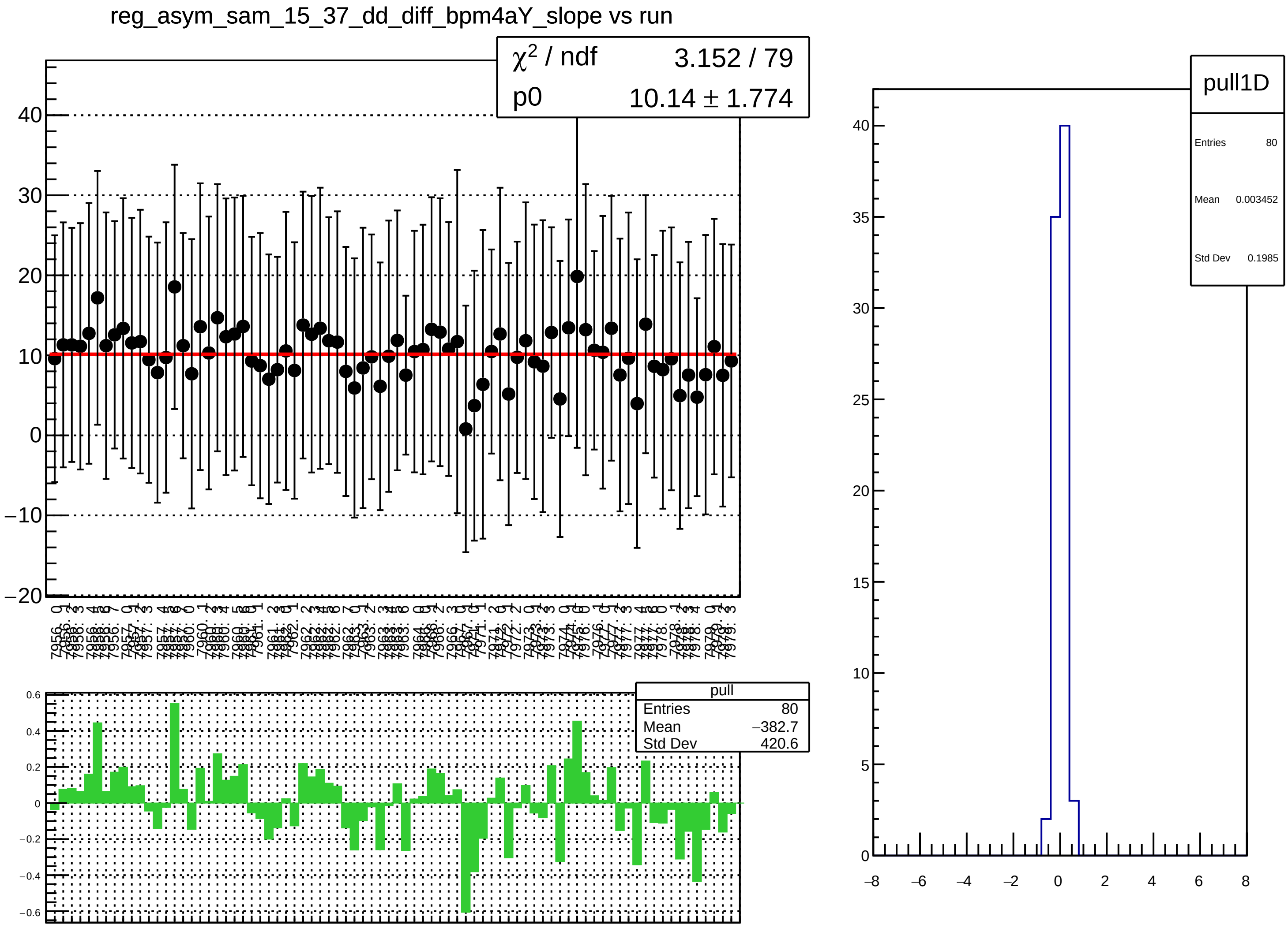


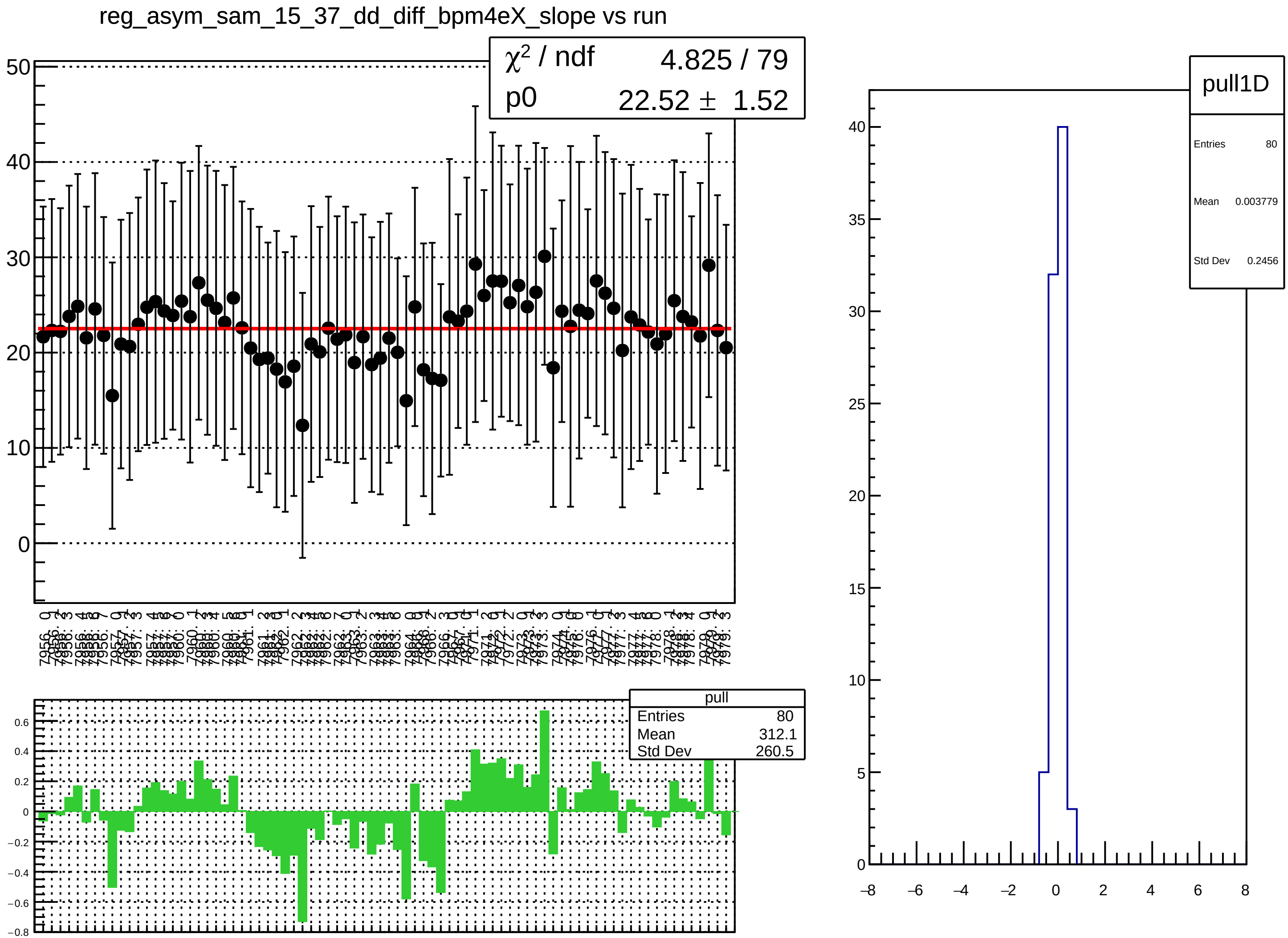
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.013 / 79
p0 8.317 ± 1.415
pull
Entries 80
Mean −328.3
Std Dev 370.2
pull1D
Entries 80
Mean 0.008403
Std Dev 0.274


reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / 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

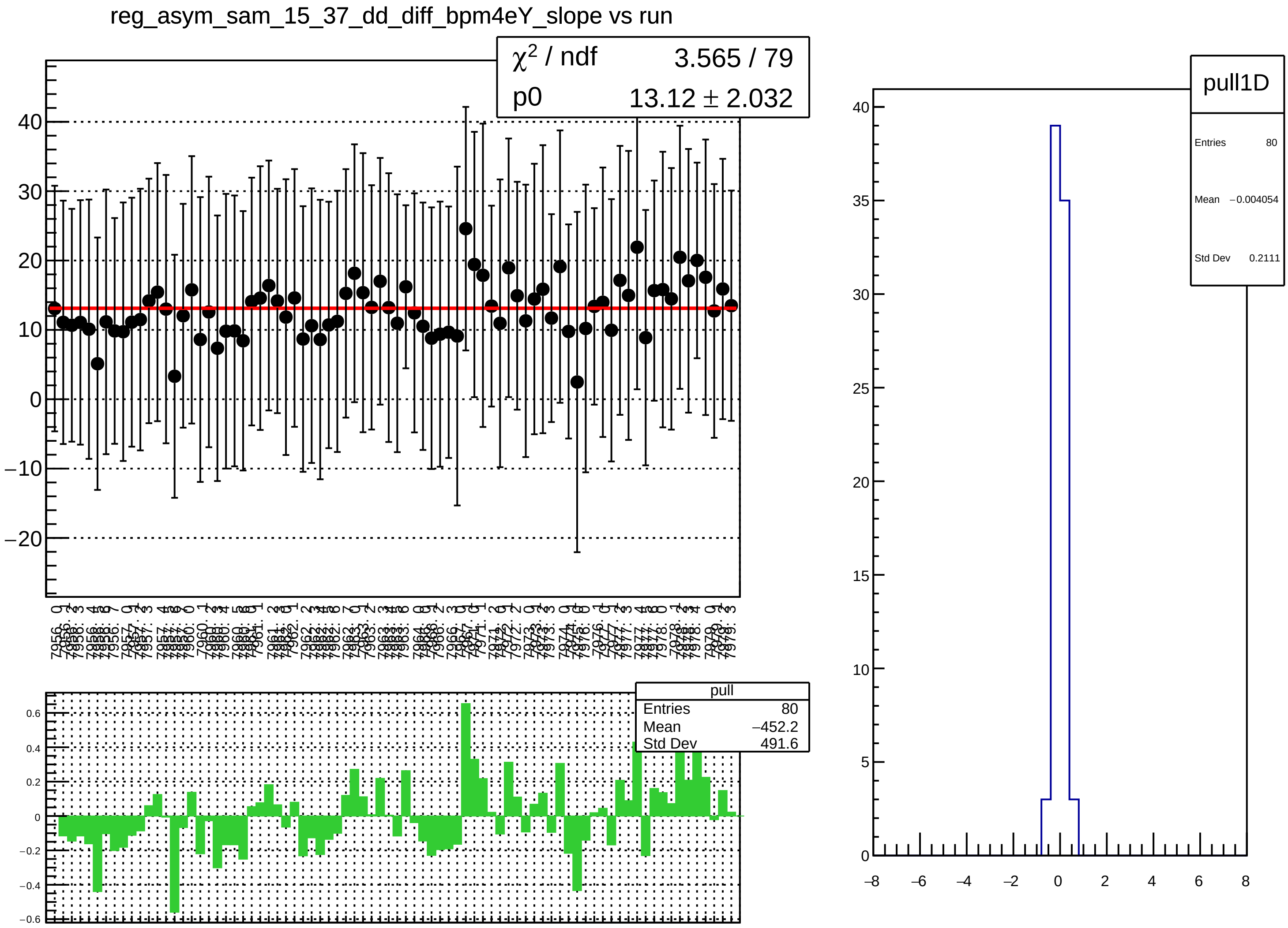


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.529 / 79
p0 24.58 ± 1.717
pull
Entries 80
Mean 55.46
Std Dev 118.6
pull1D
Entries 80
Mean 0.004267
Std Dev 0.3265

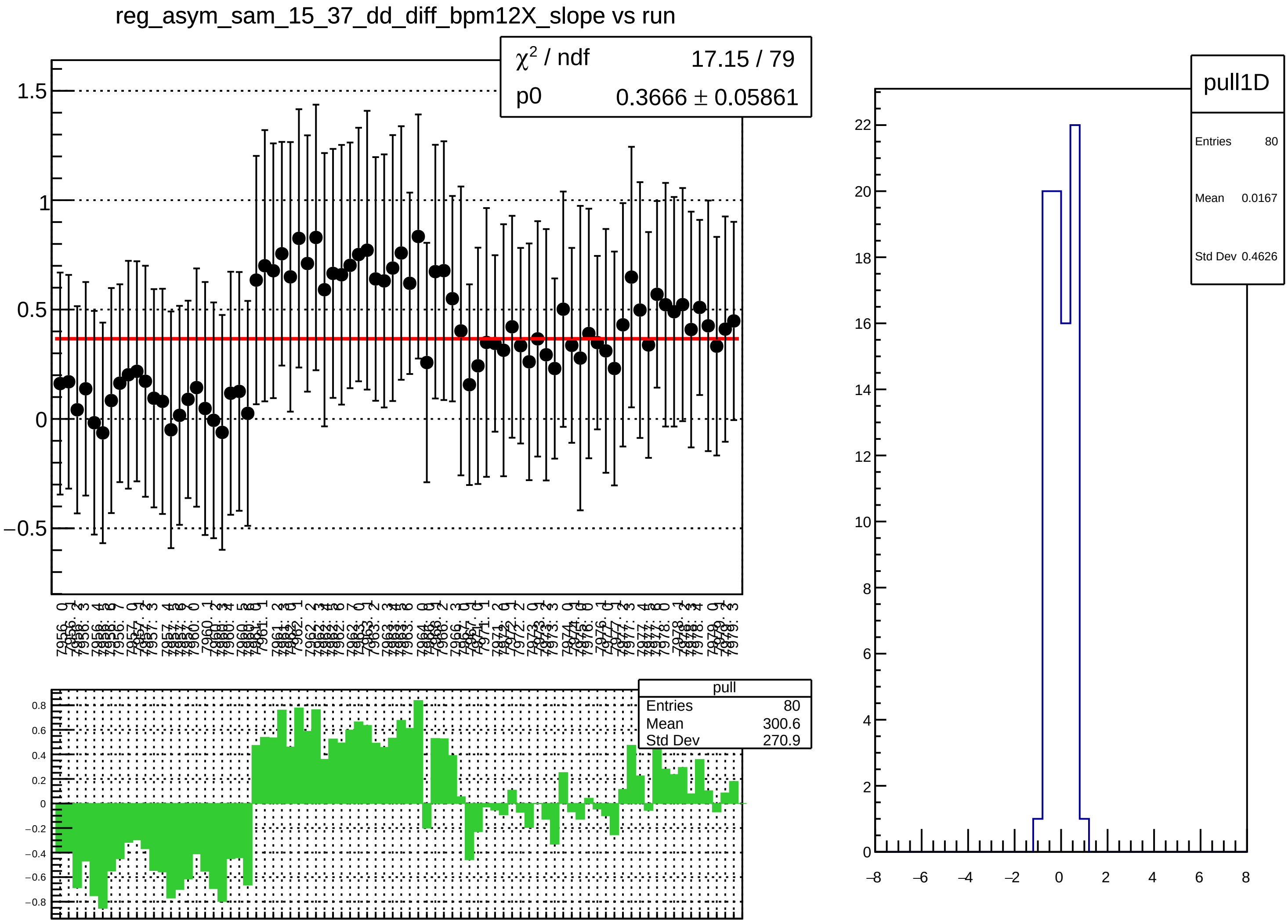

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.152 / 79
p0 10.14 ± 1.774
pull
Entries 80
Mean −382.7
Std Dev 420.6
pull1D
Entries 80
Mean 0.003452
Std Dev 0.1985



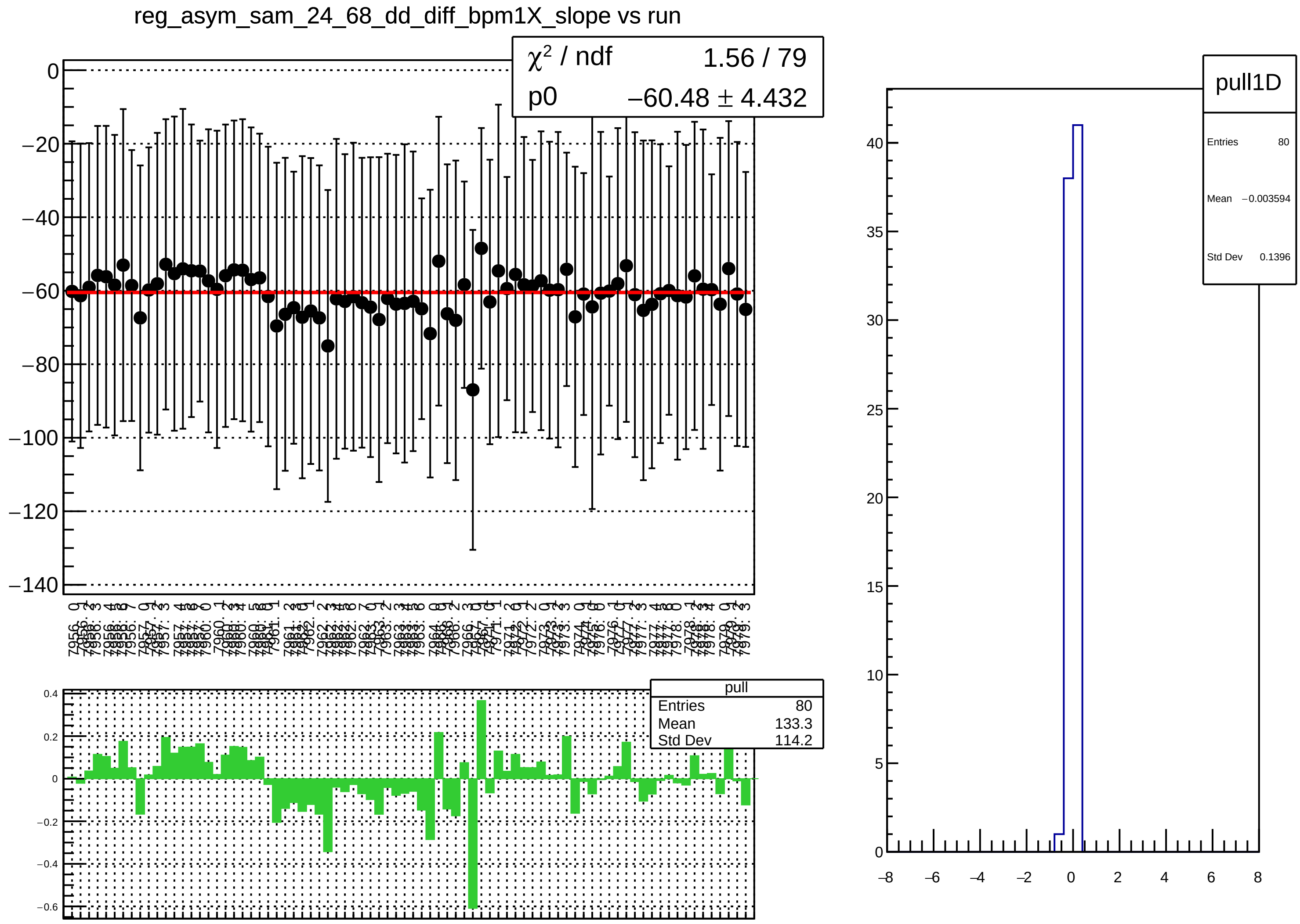
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.825 / 79
p0 22.52 ± 1.52
pull
Entries 80
Mean 312.1
Std Dev 260.5
pull1D
Entries 80
Mean 0.003779
Std Dev 0.2456



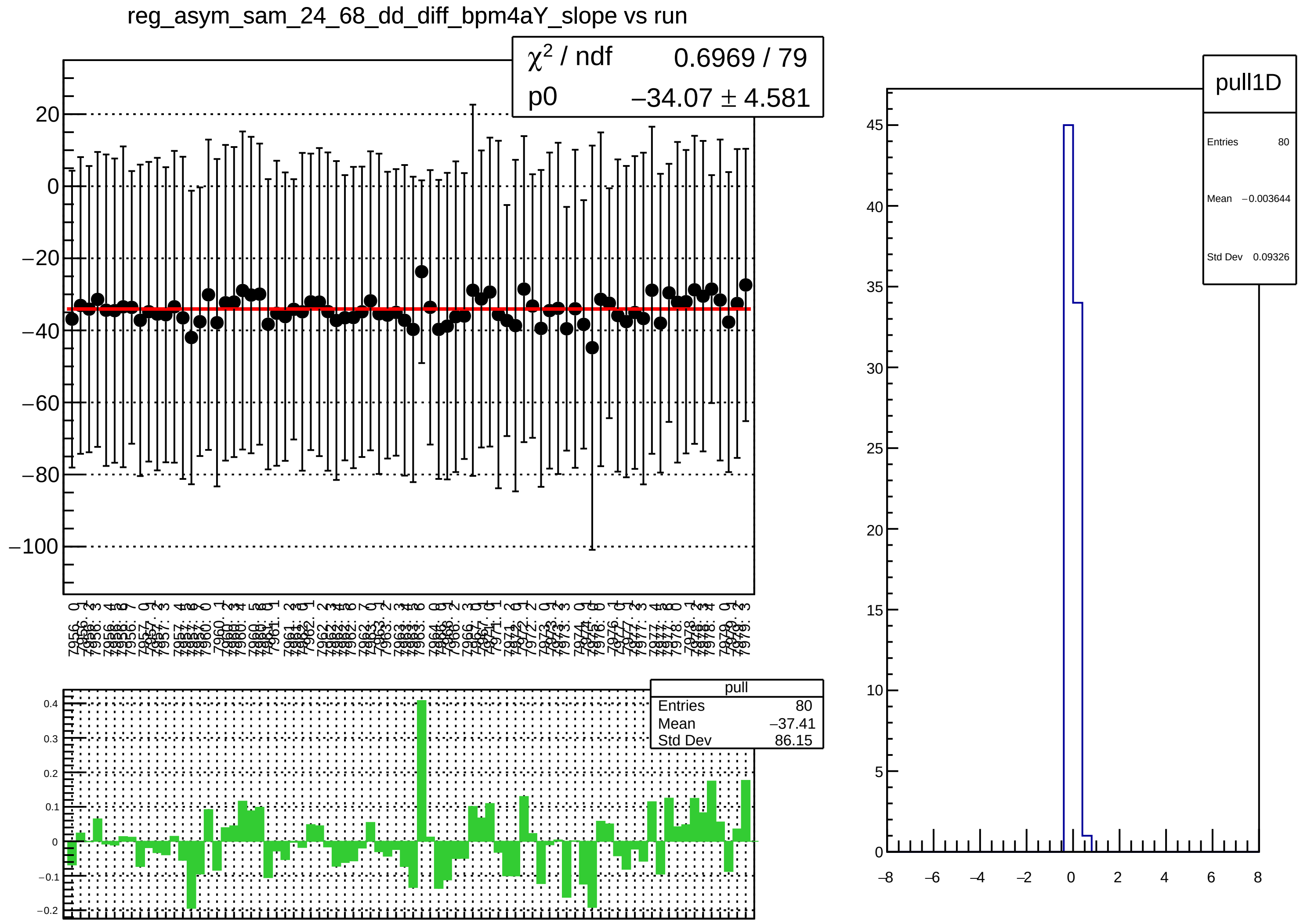
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 3.565 / 79
p0 13.12 ± 2.032
pull
Entries 80
Mean −452.2
Std Dev 491.6
pull1D
Entries 80
Mean −0.004054
Std Dev 0.2111



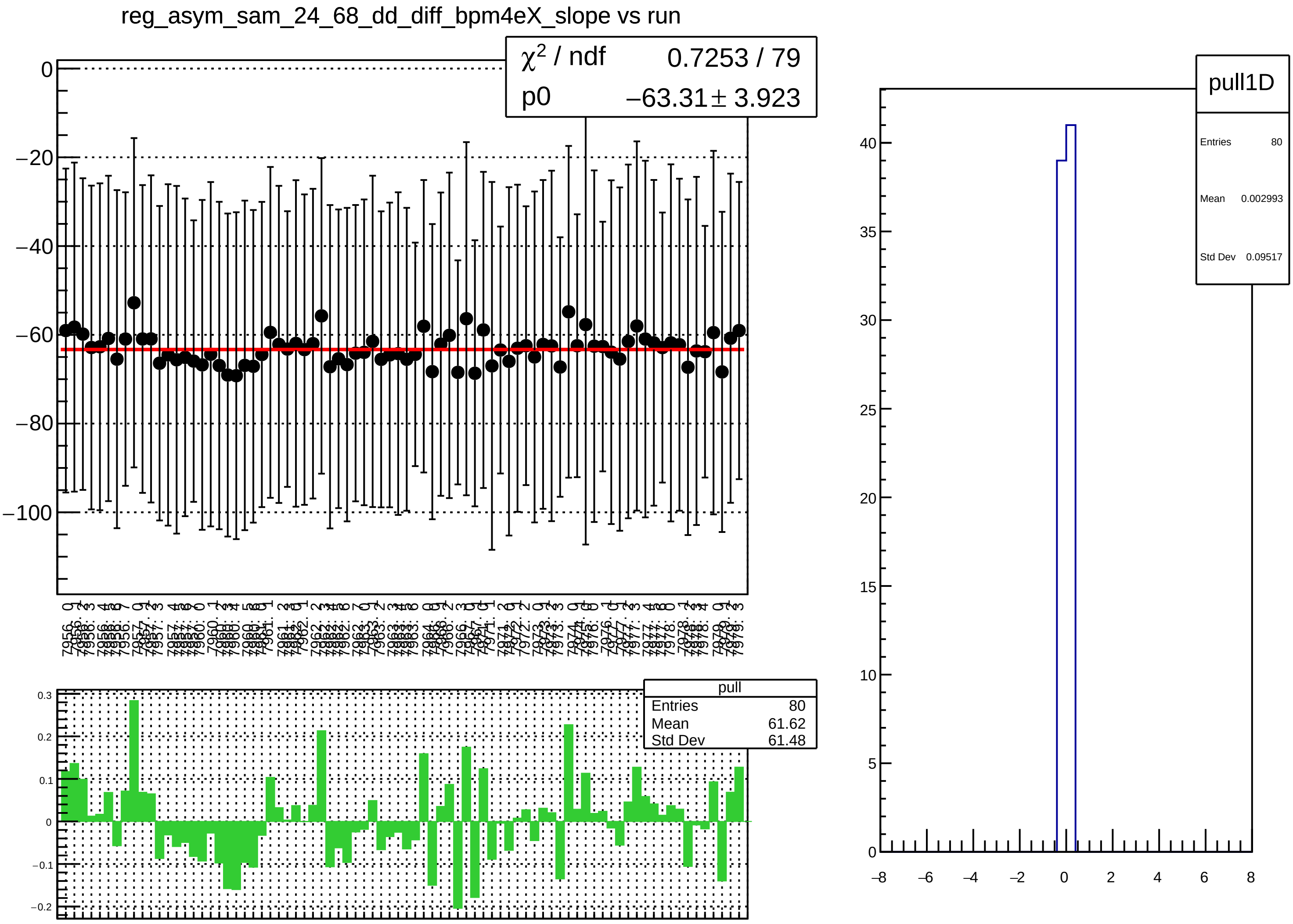
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.15 / 79
p0 0.3666 ± 0.05861
pull
Entries 80
Mean 300.6
Std Dev 270.9
pull1D
Entries 80
Mean 0.0167
Std Dev 0.4626



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

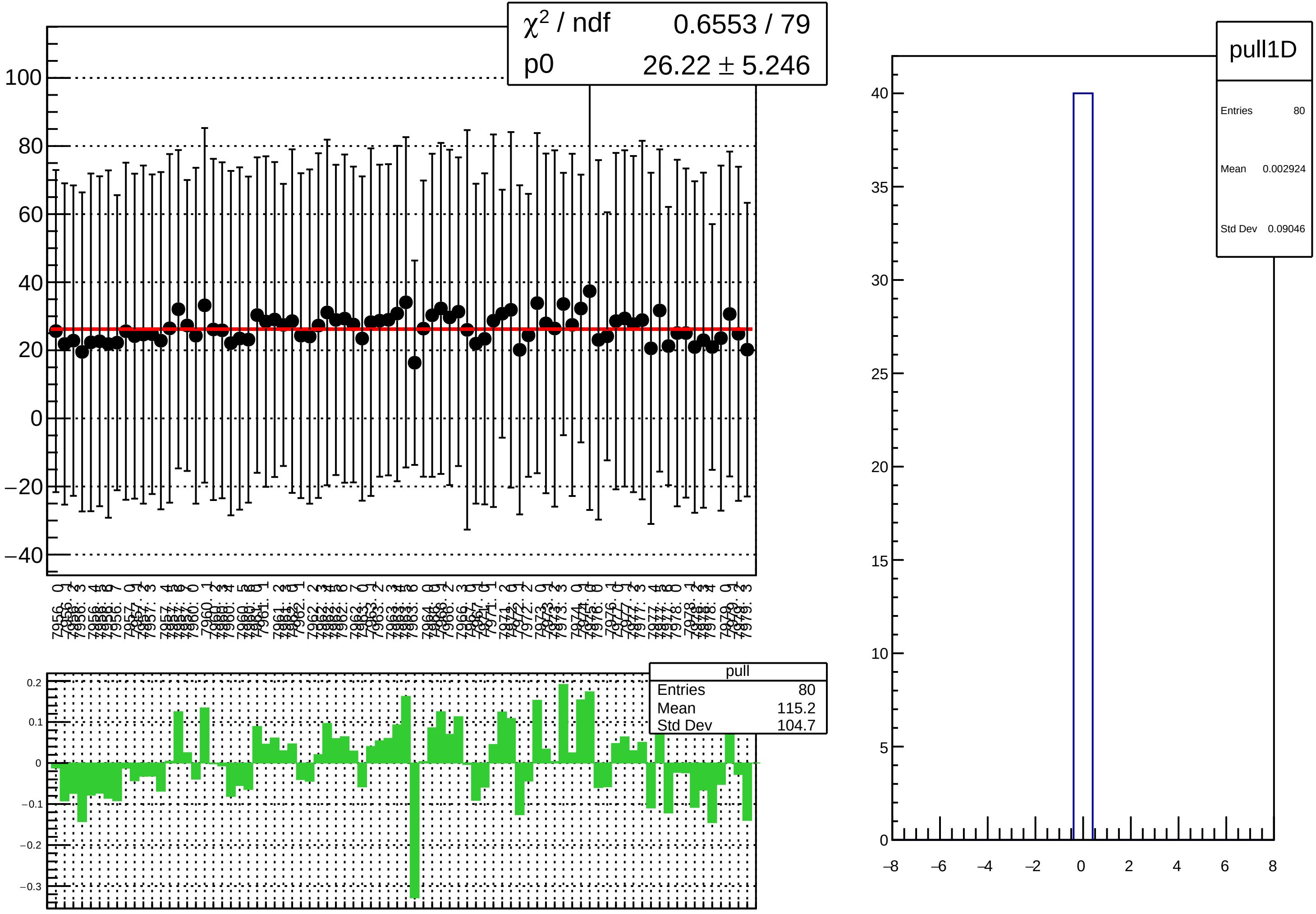


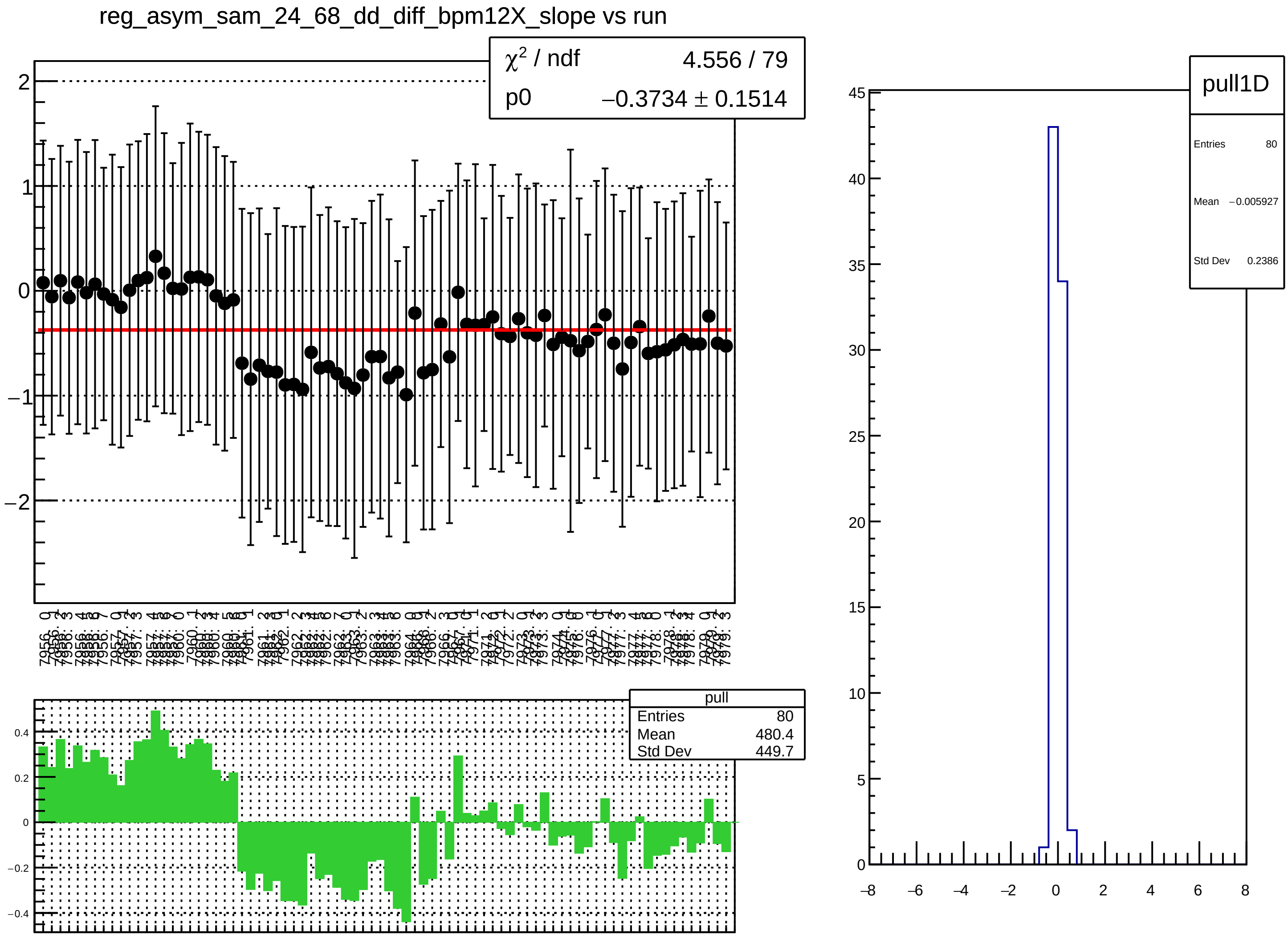
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.6969 / 79
p0 −34.07 ± 4.581
pull
Entries 80
Mean −37.41
Std Dev 86.15
pull1D
Entries 80
Mean −0.003644
Std Dev 0.09326

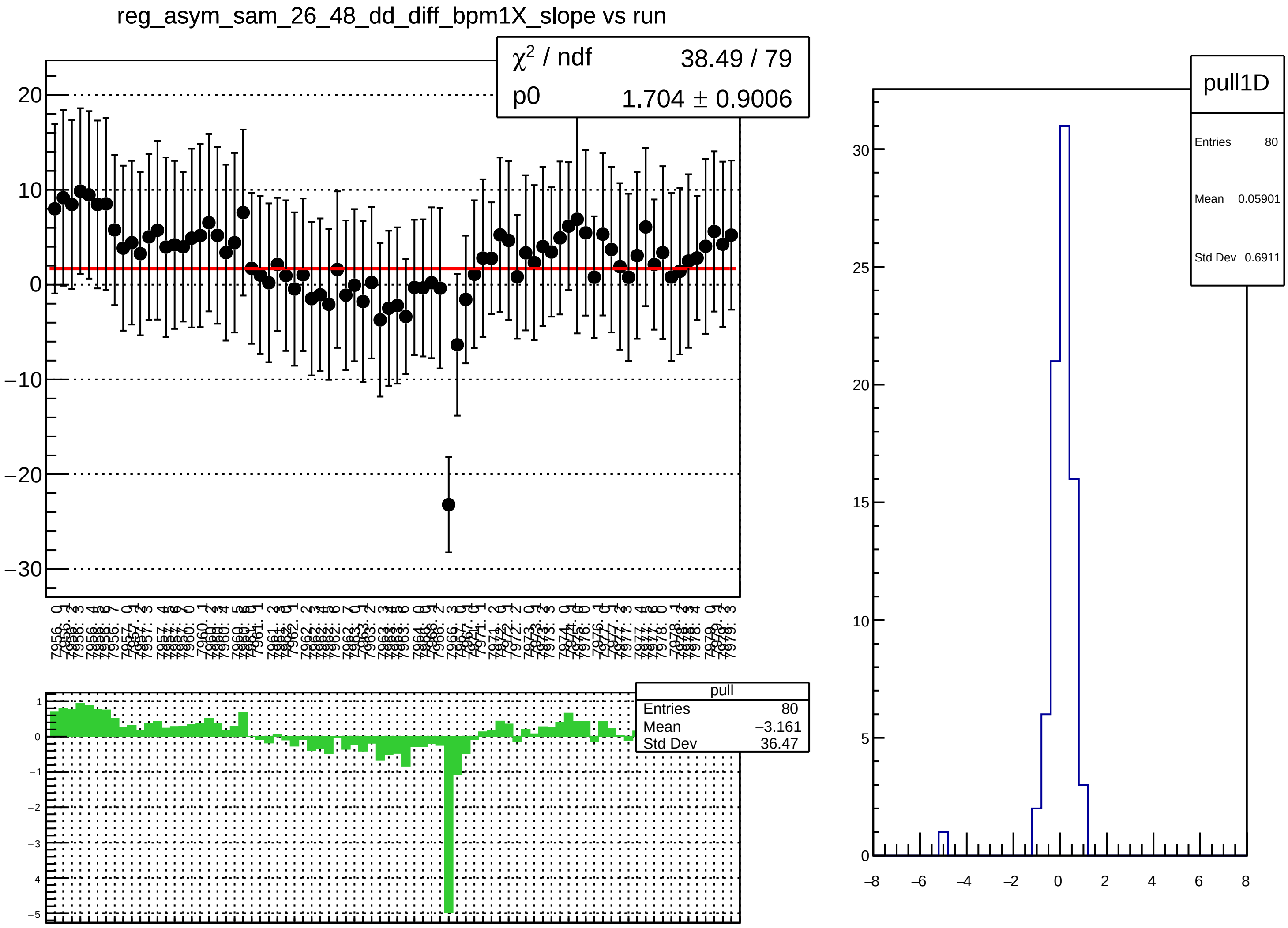


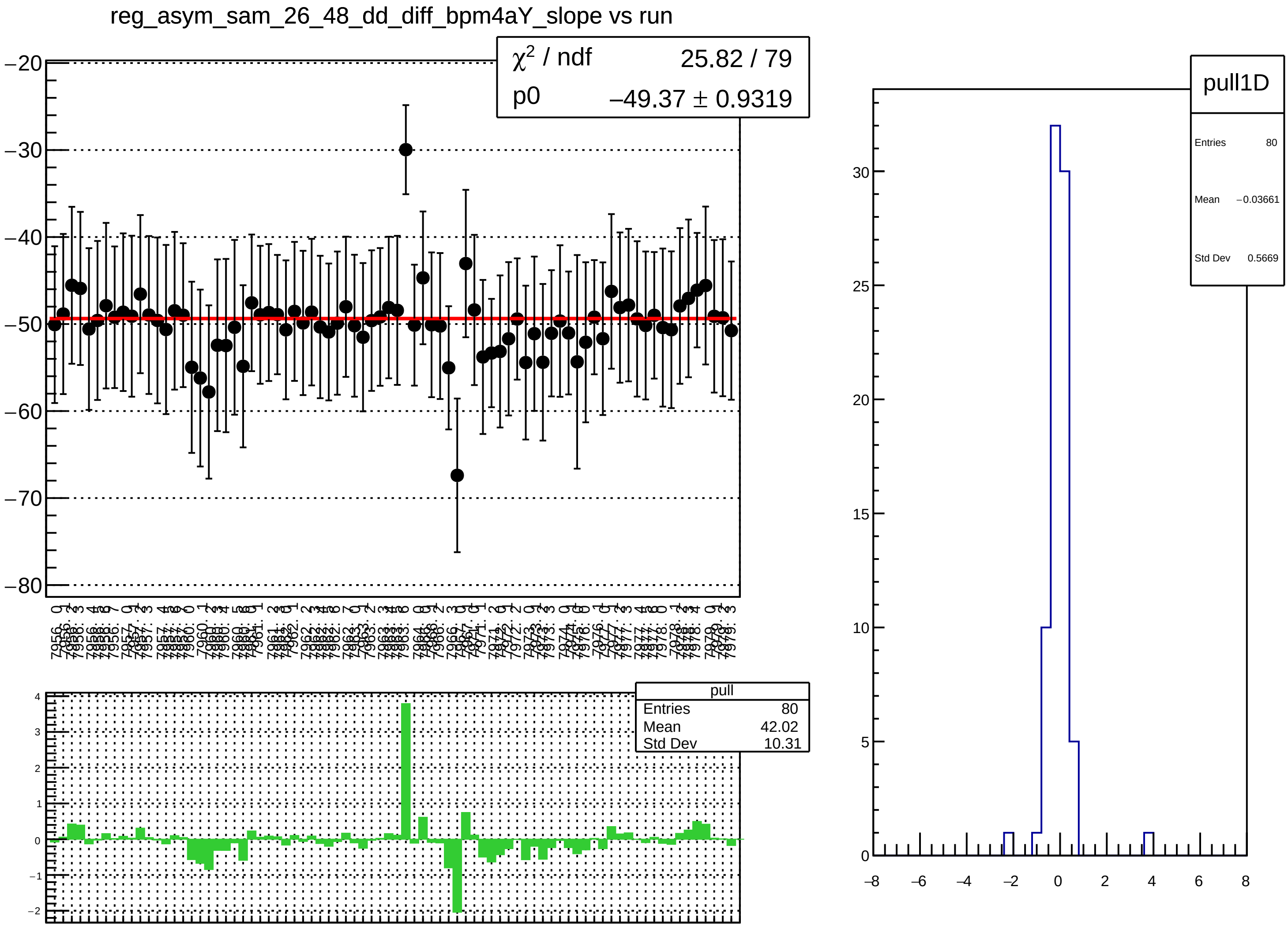
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ2 / ndf 0.7253 / 79
p0 −63.31 ± 3.923
pull
Entries 80
Mean 61.62
Std Dev 61.48
pull1D
Entries 80
Mean 0.002993
Std Dev 0.09517

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run

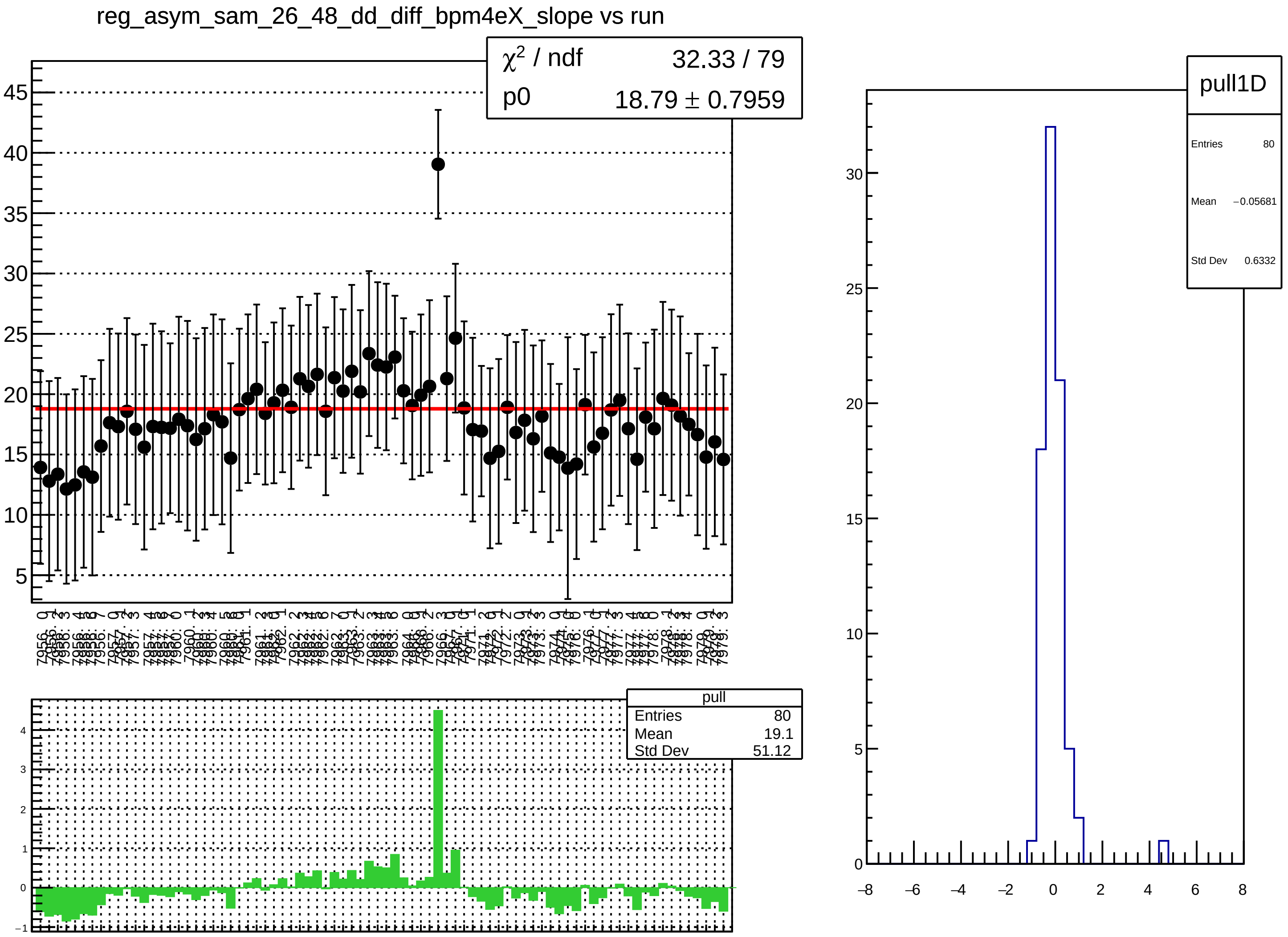



reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ2 / ndf 4.556 / 79
p0 −0.3734 ± 0.1514
pull
Entries 80
Mean 480.4
Std Dev 449.7
pull1D
Entries 80
Mean −0.005927
Std Dev 0.2386

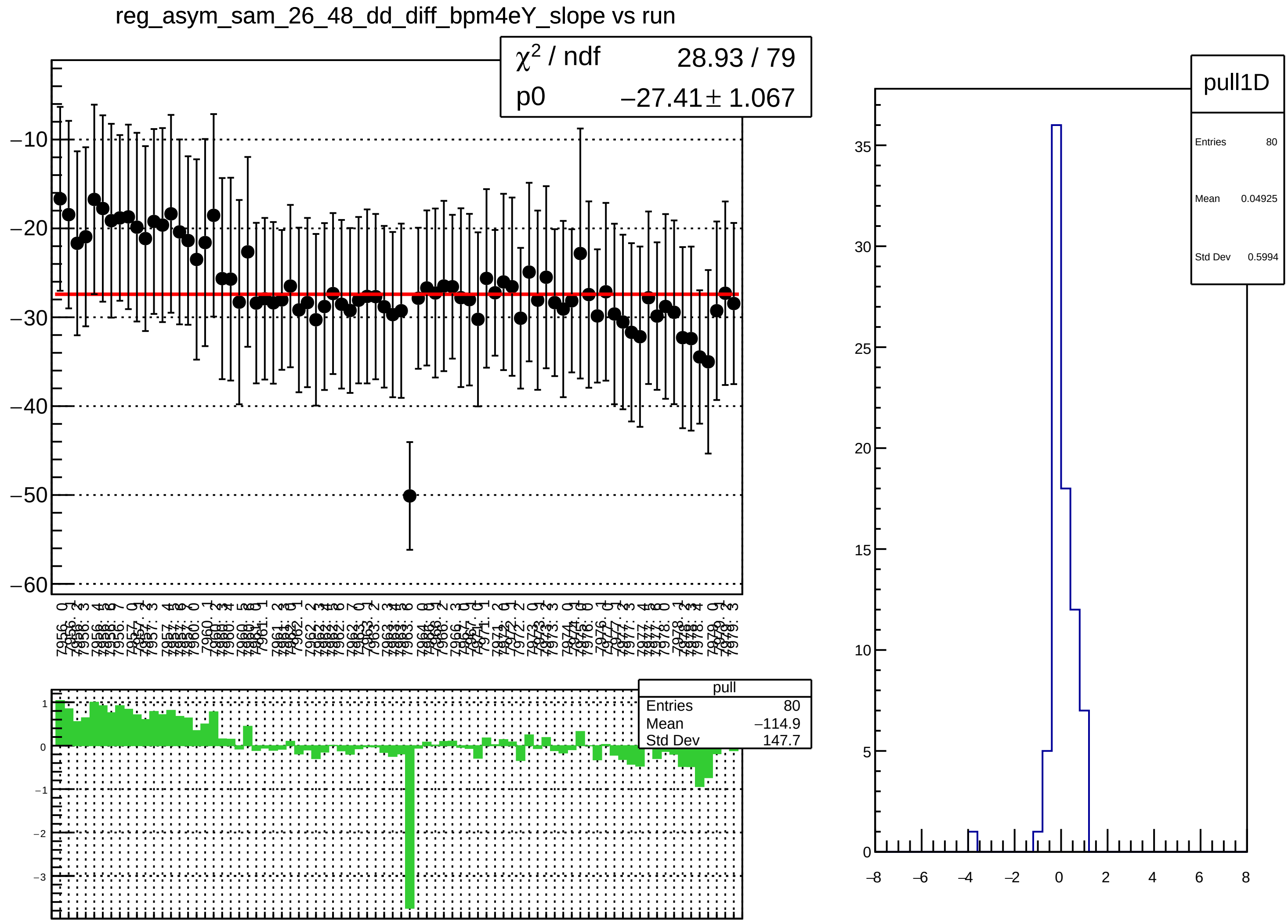

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 38.49 / 79
p0 1.704 ± 0.9006
pull
Entries 80
Mean −3.161
Std Dev 36.47
pull1D
Entries 80
Mean 0.05901
Std Dev 0.6911



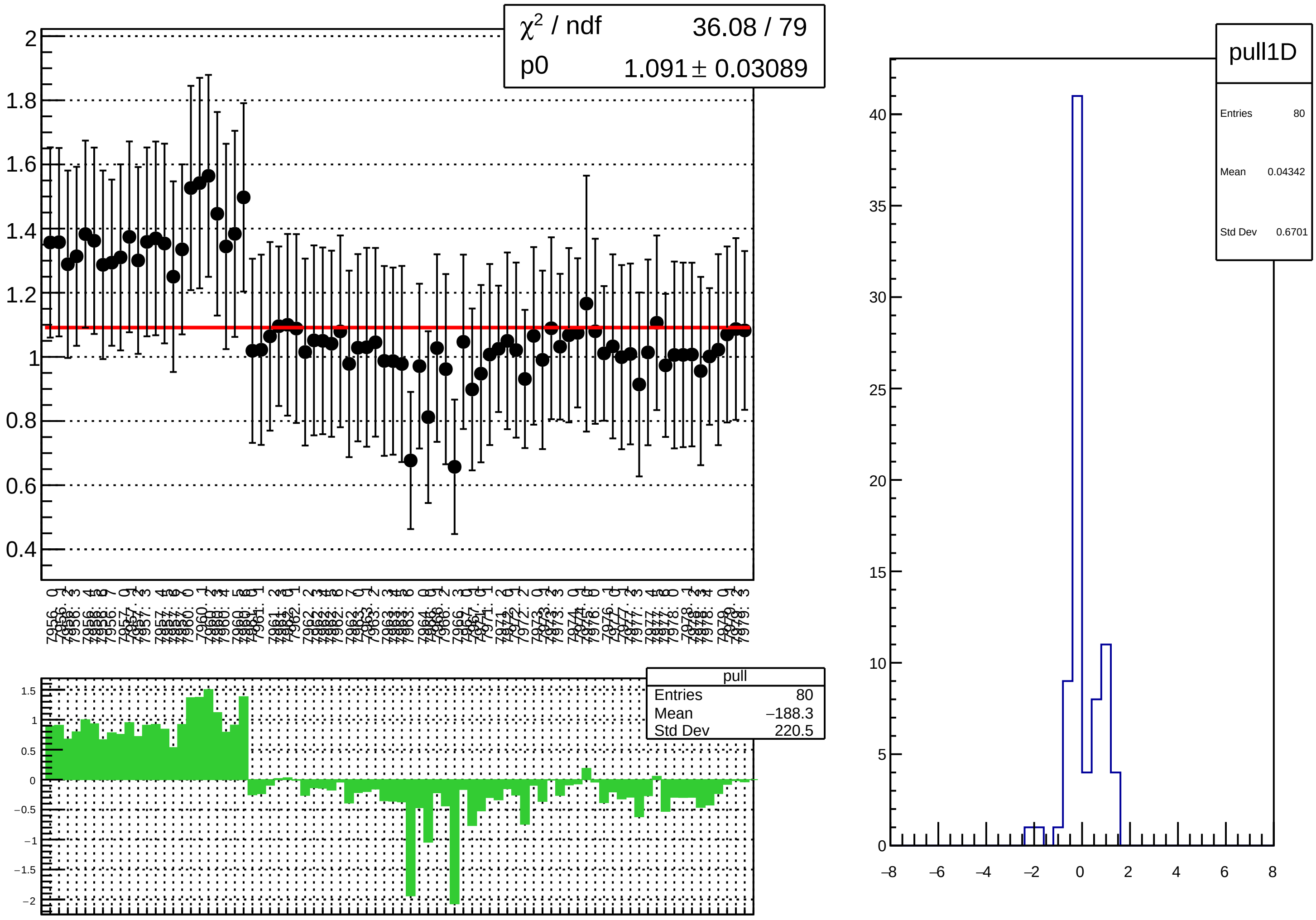
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 25.82 / 79
p0 −49.37 ± 0.9319
pull
Entries 80
Mean 42.02
Std Dev 10.31
pull1D
Entries 80
Mean −0.03661
Std Dev 0.5669

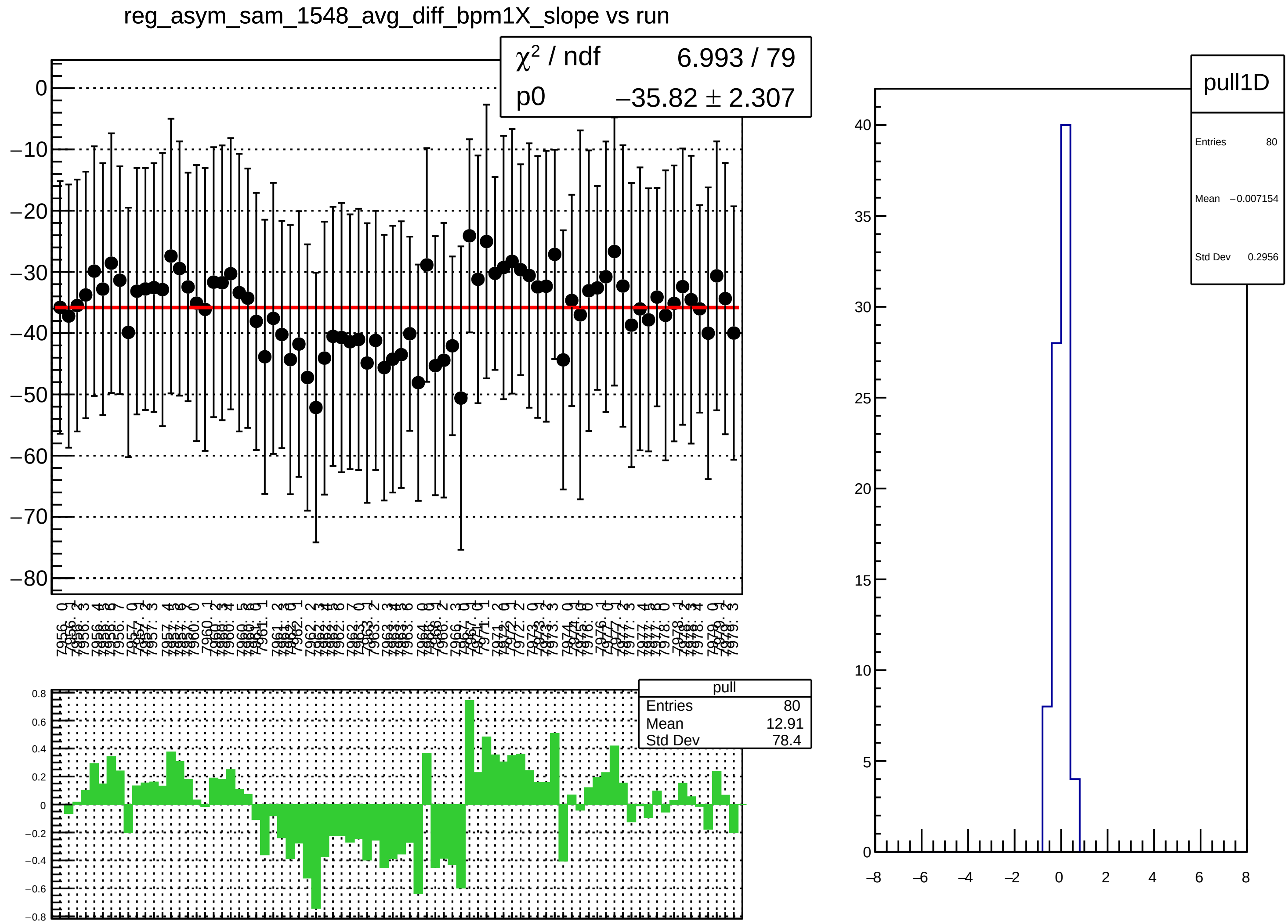


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 32.33 / 79
p0 18.79 ± 0.7959
pull
Entries 80
Mean 19.1
Std Dev 51.12
pull1D
Entries 80
Mean −0.05681
Std Dev 0.6332

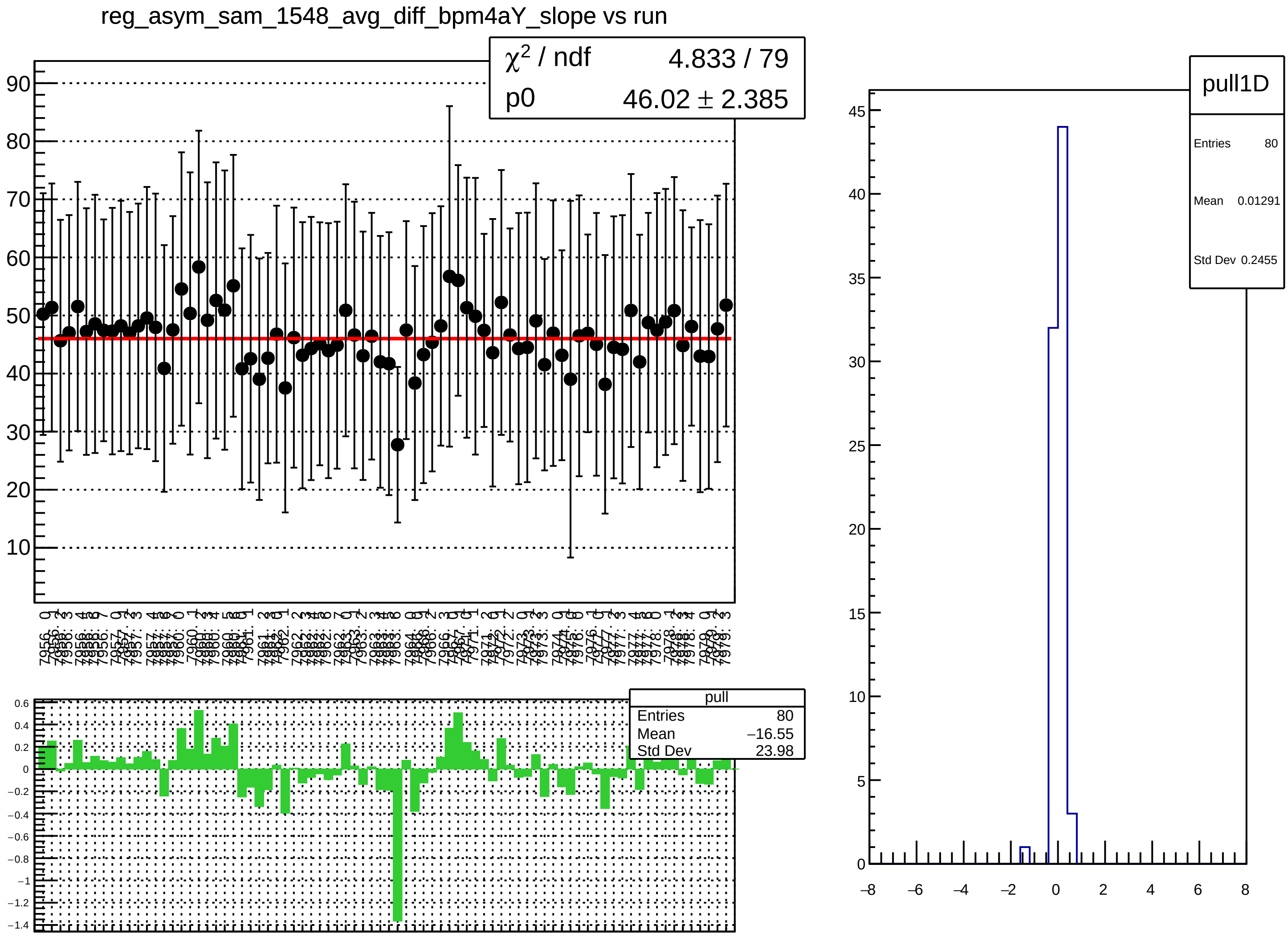

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.93 / 79
p0 −27.41 ± 1.067
pull
Entries 80
Mean −114.9
Std Dev 147.7
pull1D
Entries 80
Mean 0.04925
Std Dev 0.5994

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run

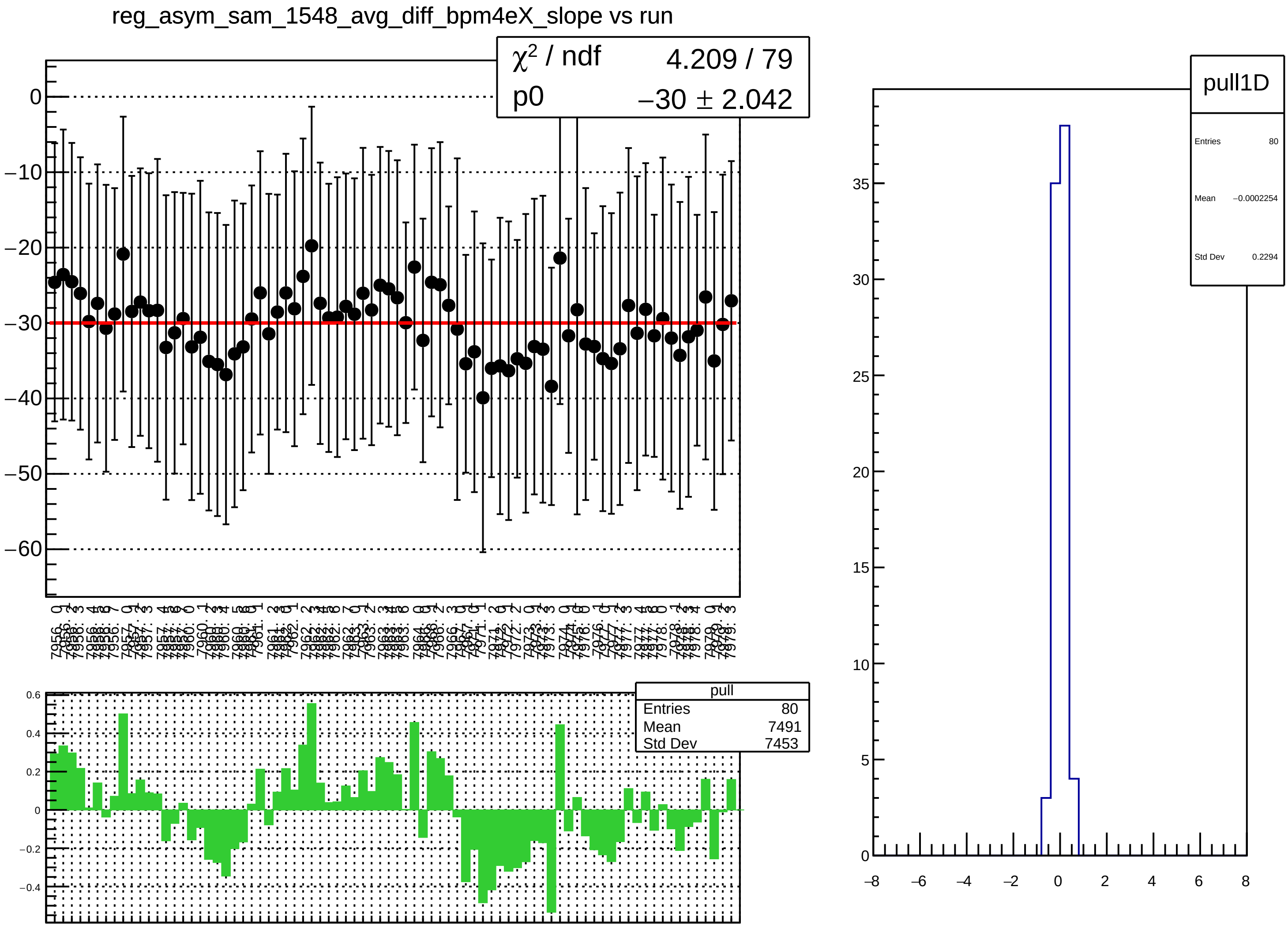




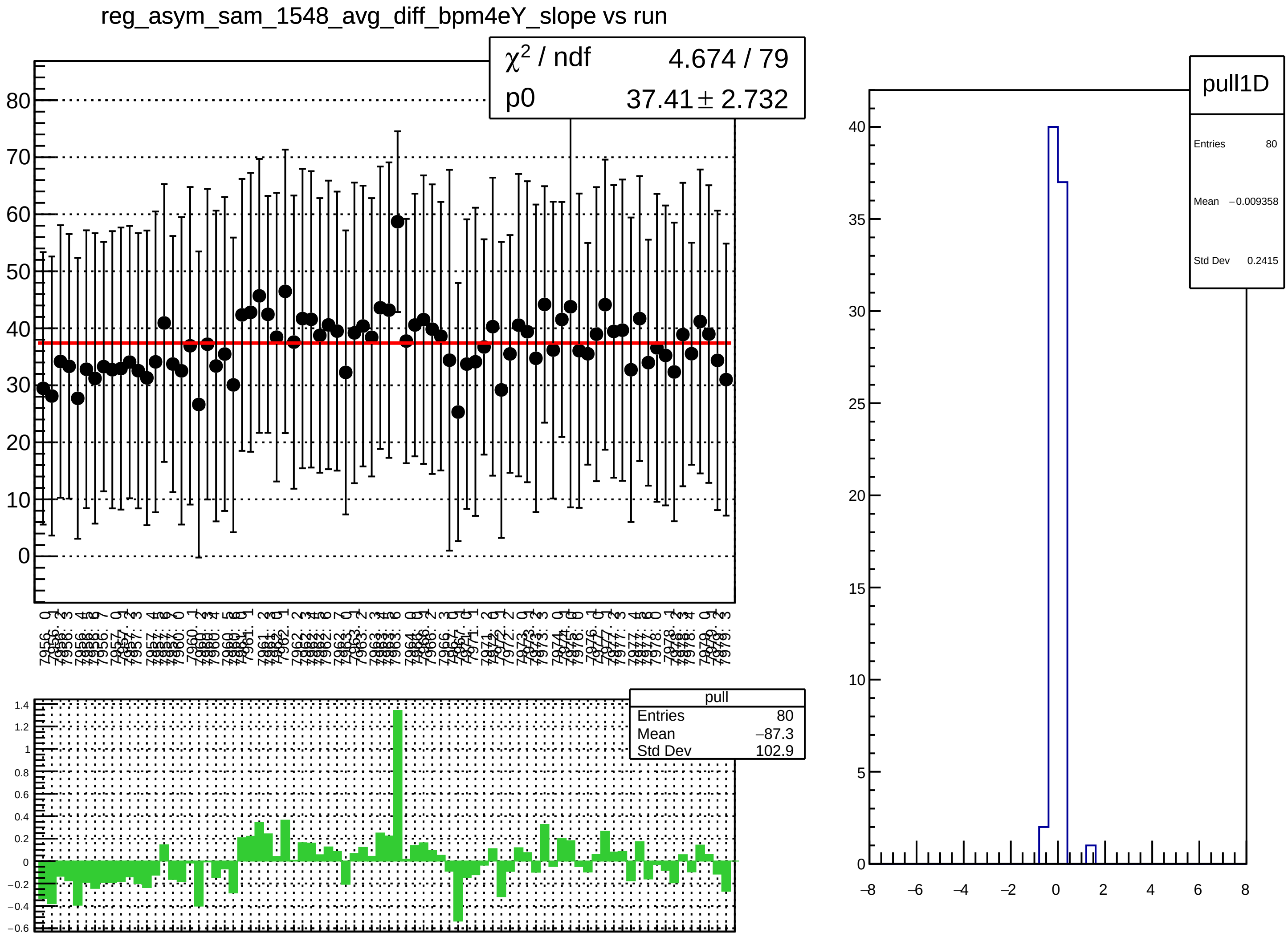
reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.993 / 79
p0 −35.82 ± 2.307
pull
Entries 80
Mean 12.91
Std Dev 78.4
pull1D
Entries 80
Mean −0.007154
Std Dev 0.2956



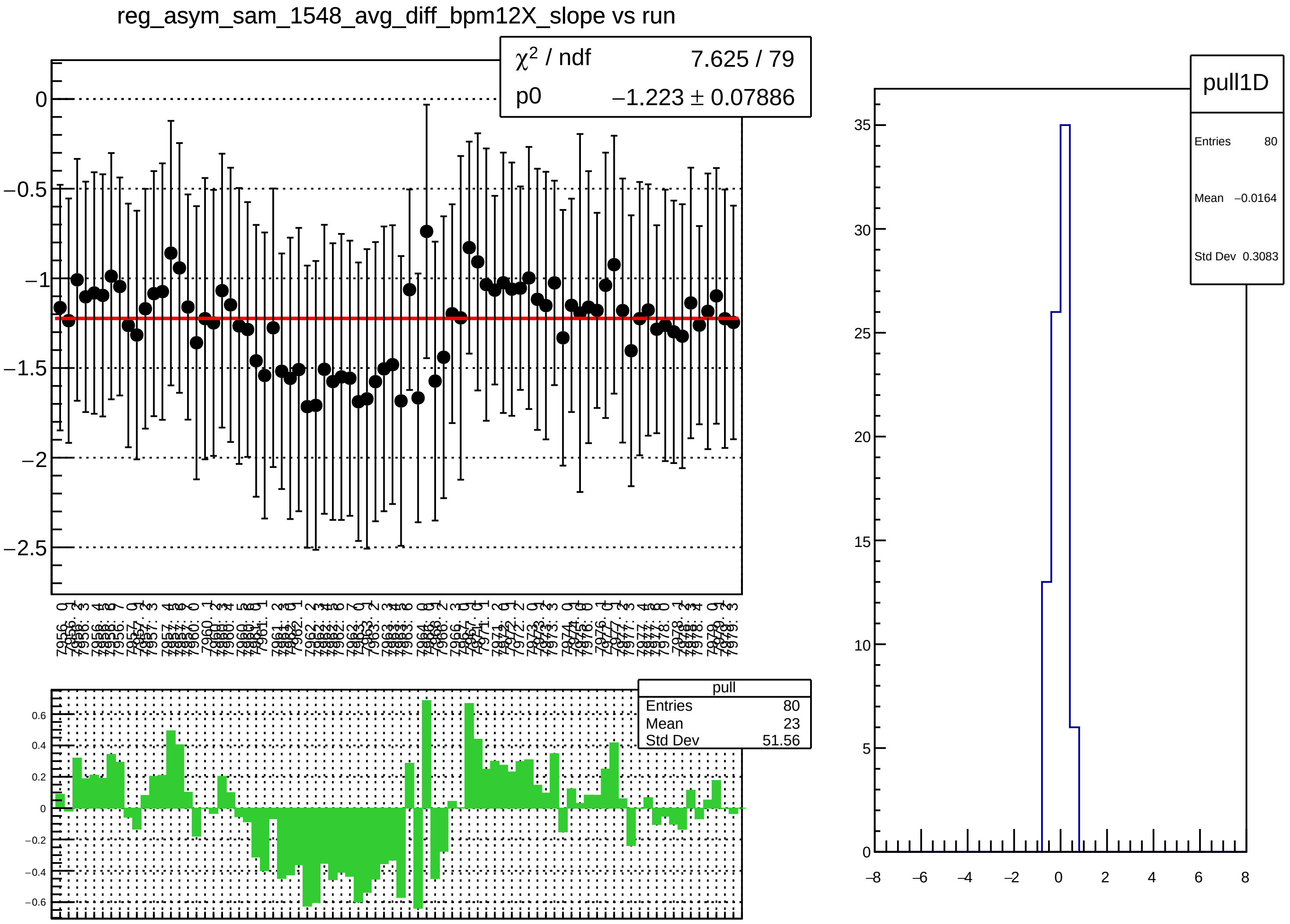
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 4.833 / 79
p0 46.02 ± 2.385
pull
Entries 80
Mean −16.55
Std Dev 23.98
pull1D
Entries 80
Mean 0.01291
Std Dev 0.2455



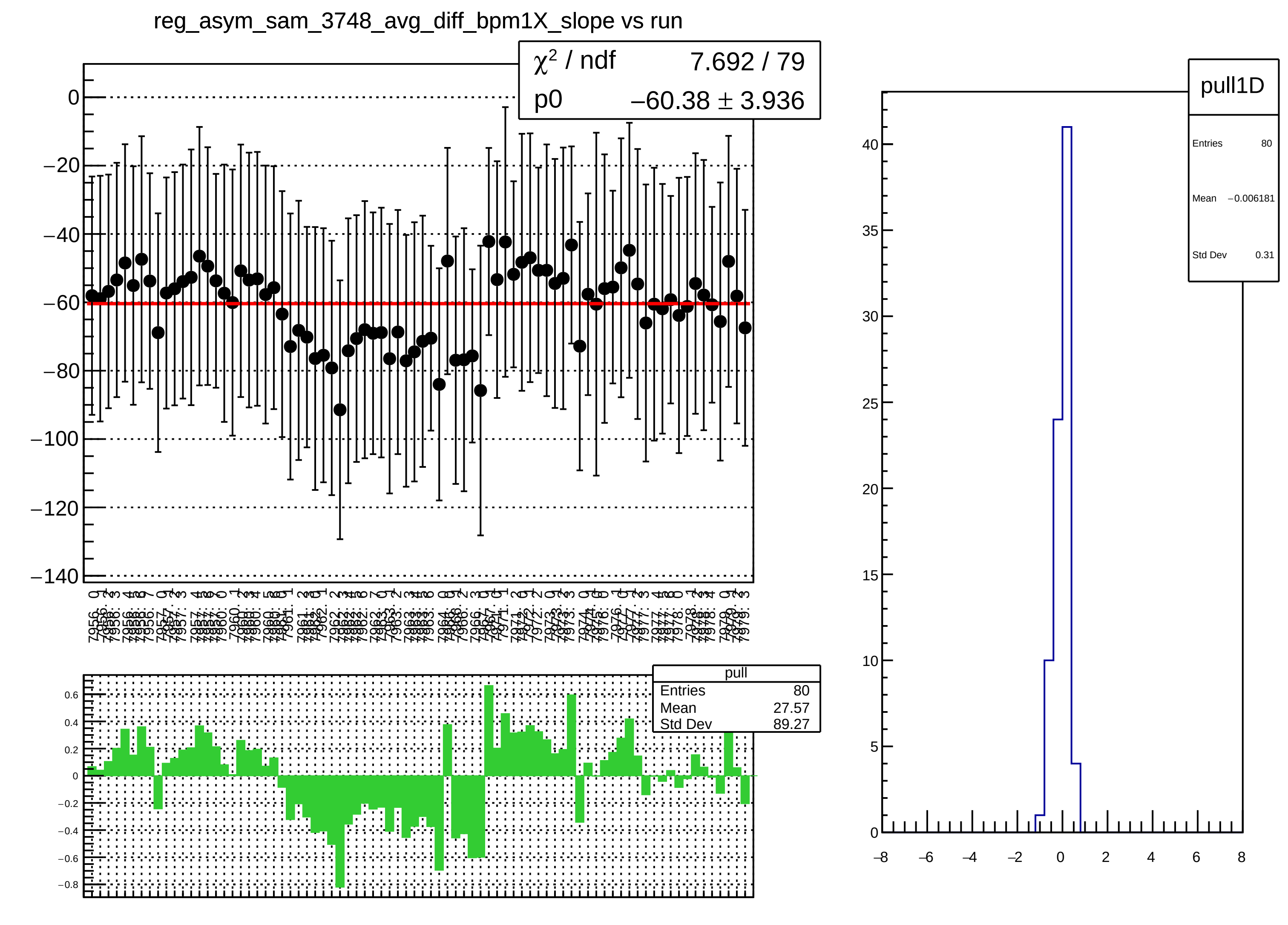
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.209 / 79
p0 −30 ± 2.042
pull
Entries 80
Mean 7491
Std Dev 7453
pull1D
Entries 80
Mean −0.0002254
Std Dev 0.2294



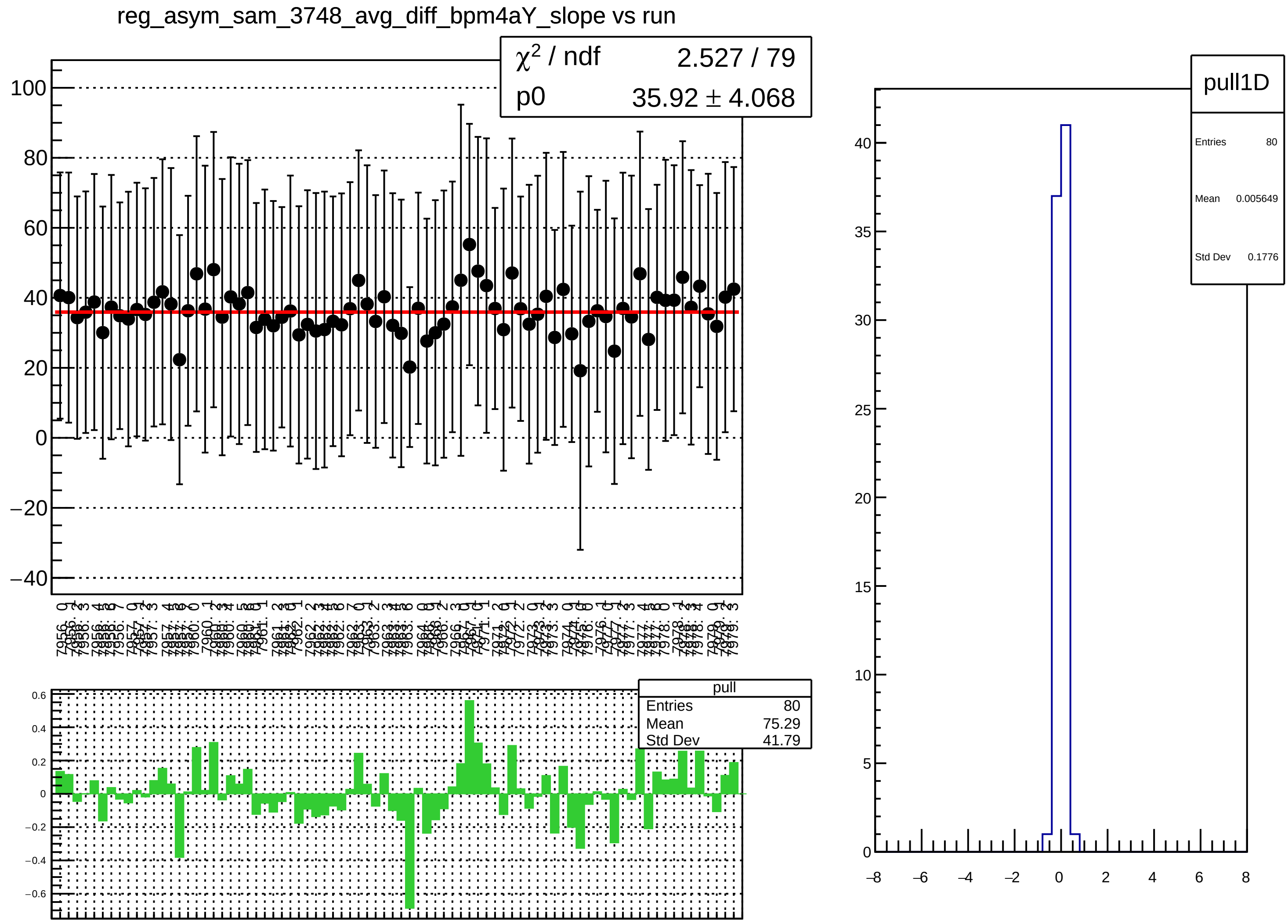
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 4.674 / 79
p0 37.41 ± 2.732
pull
Entries 80
Mean −87.3
Std Dev 102.9
pull1D
Entries 80
Mean −0.009358
Std Dev 0.2415



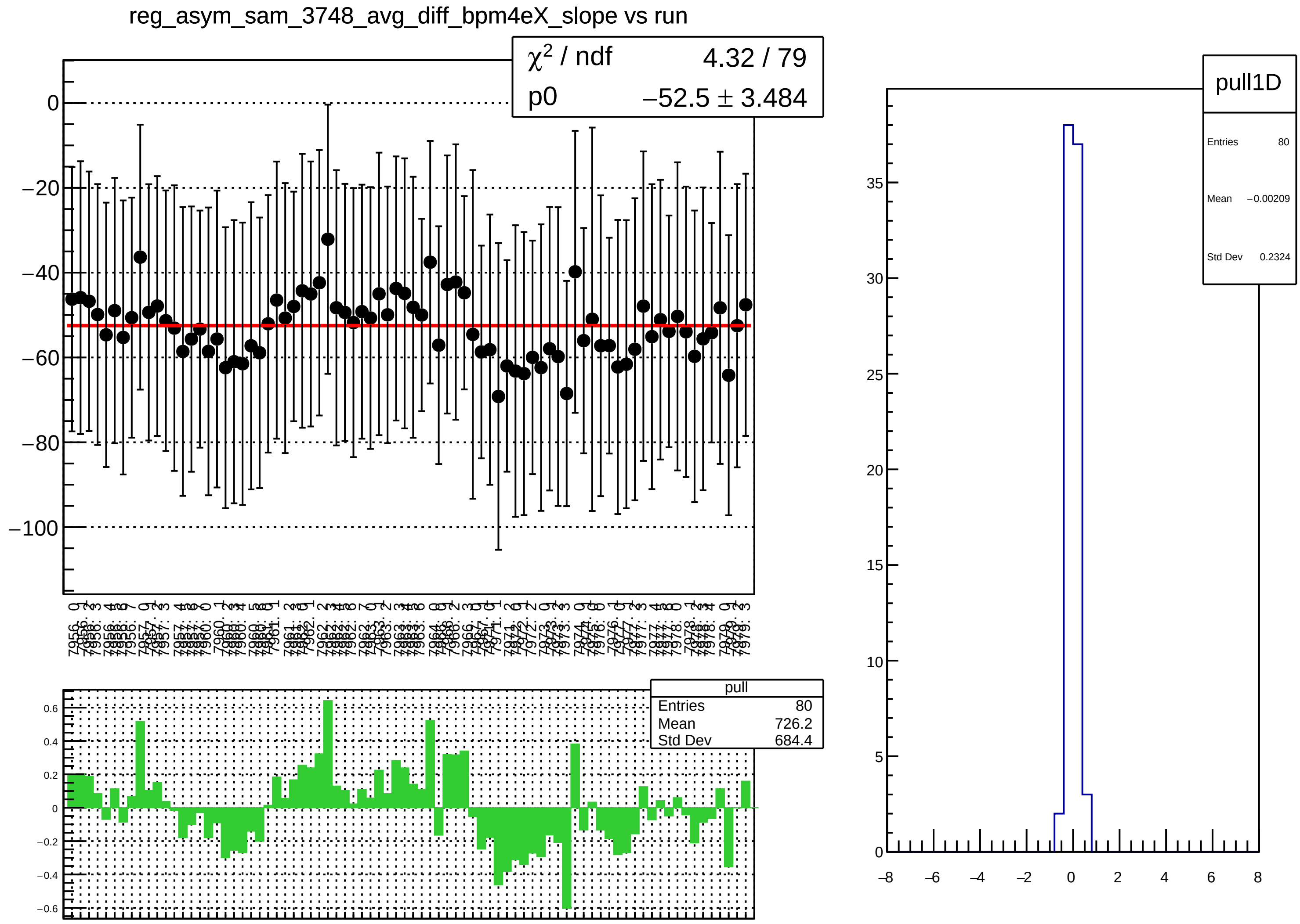
reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.625 / 79
p0 −1.223 ± 0.07886
pull
Entries 80
Mean 23
Std Dev 51.56
pull1D
Entries 80
Mean −0.0164
Std Dev 0.3083



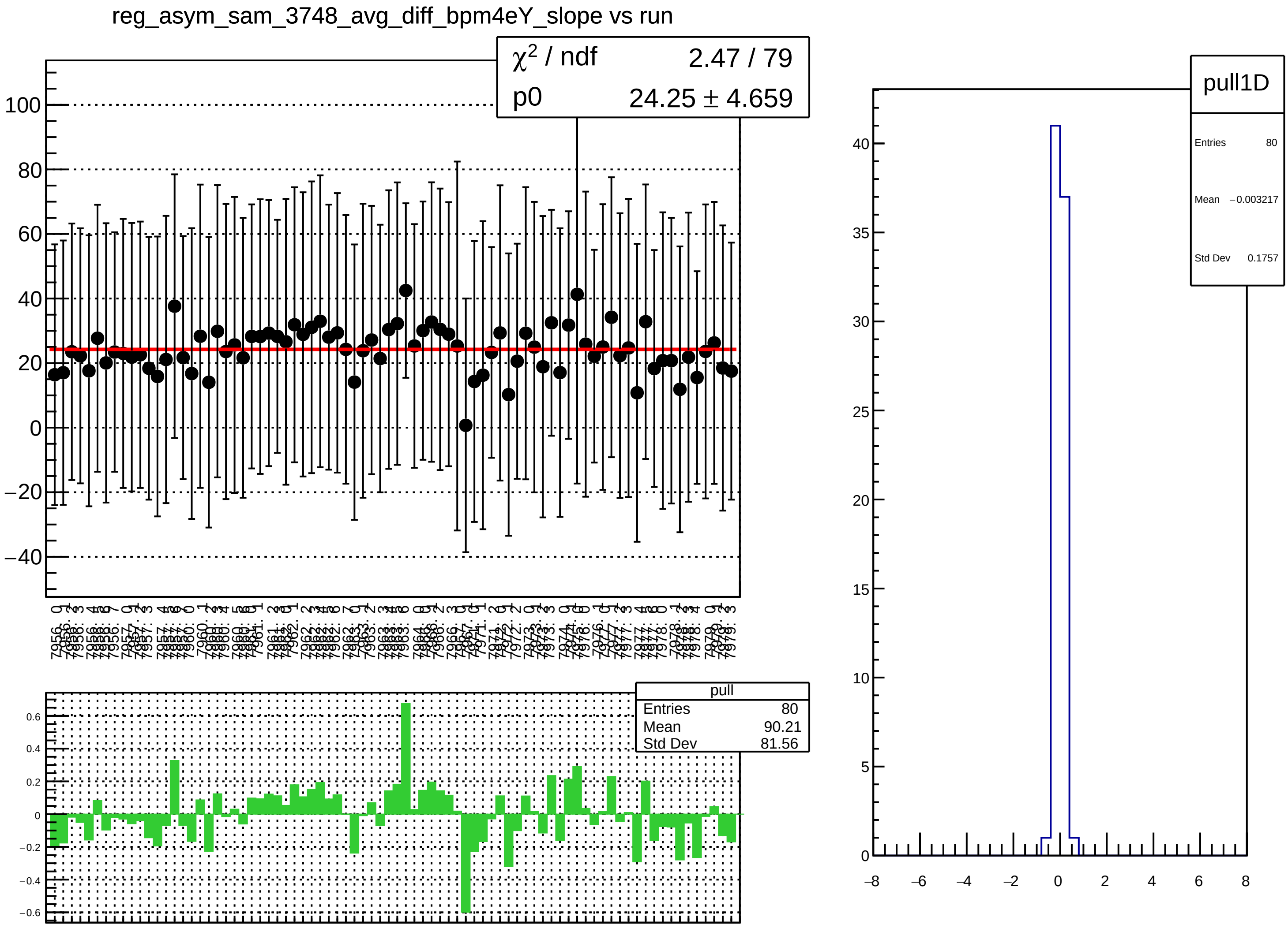
reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.692 / 79
p0 −60.38 ± 3.936
pull
Entries 80
Mean 27.57
Std Dev 89.27
pull1D
Entries 80
Mean −0.006181
Std Dev 0.31



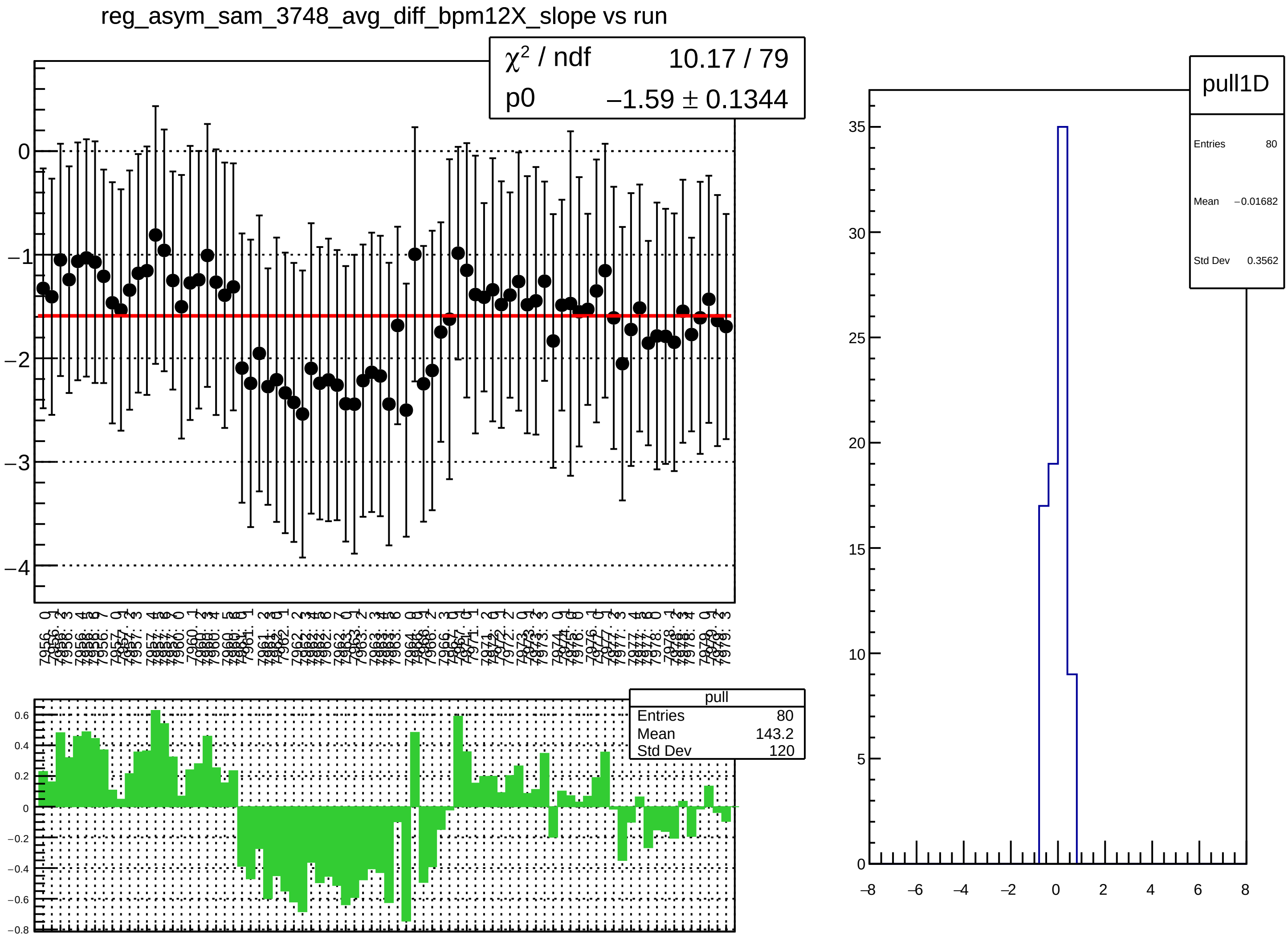
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.527 / 79
p0 35.92 ± 4.068
pull
Entries 80
Mean 75.29
Std Dev 41.79
pull1D
Entries 80
Mean 0.005649
Std Dev 0.1776



reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / 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

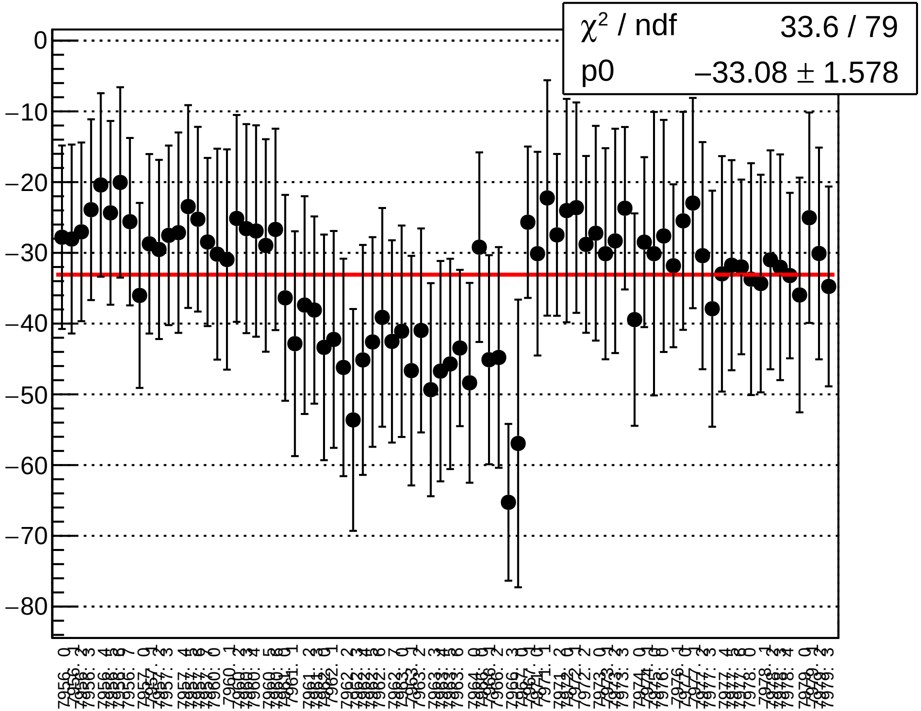


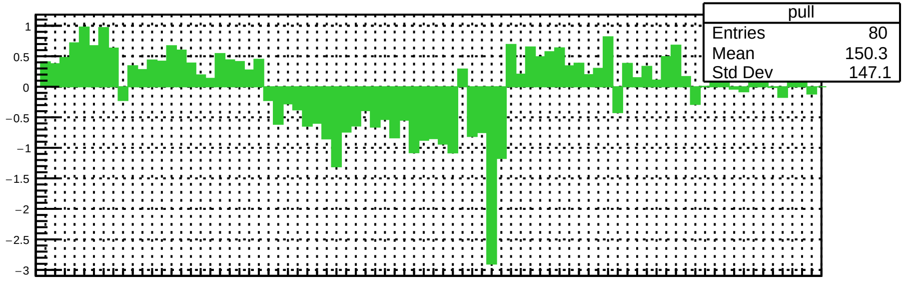
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.47 / 79
p0 24.25 ± 4.659
pull
Entries 80
Mean 90.21
Std Dev 81.56
pull1D
Entries 80
Mean −0.003217
Std Dev 0.1757

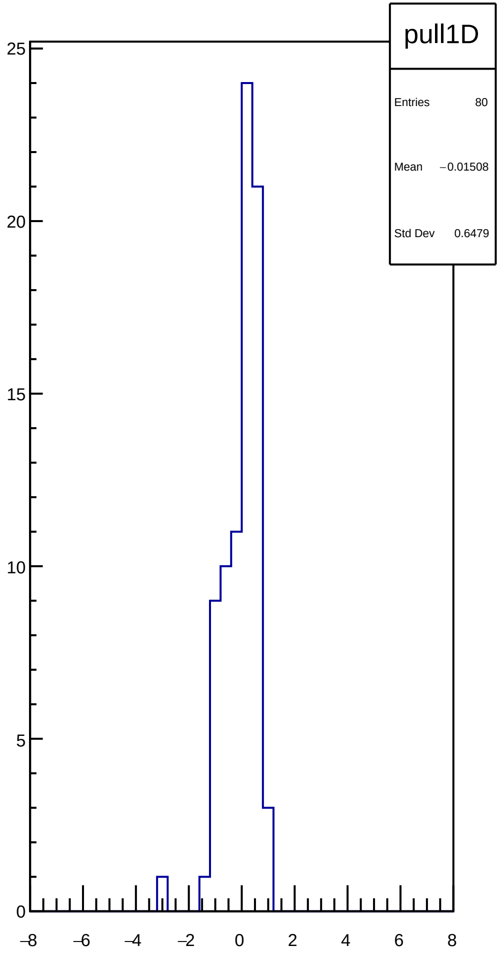


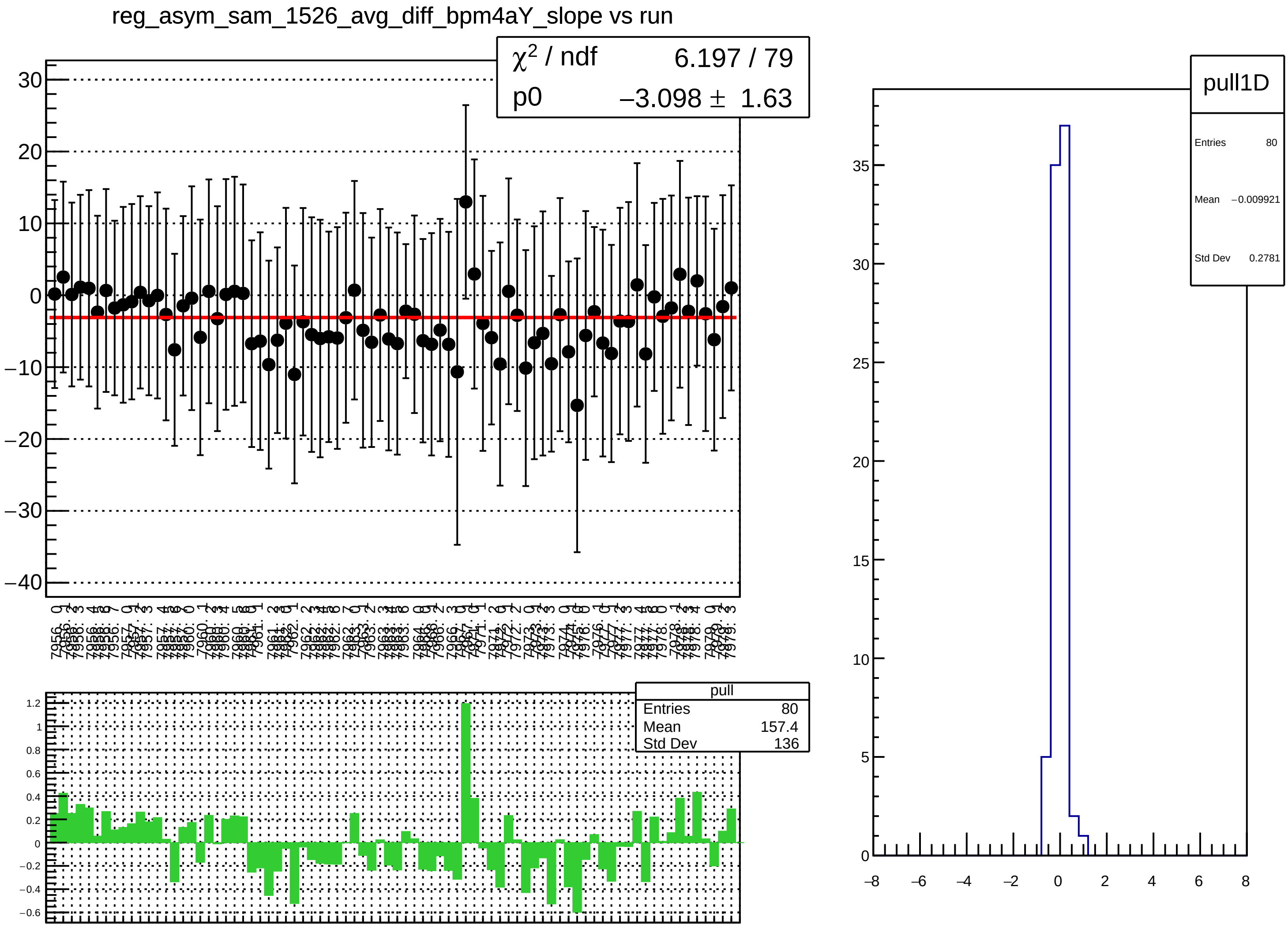
reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 10.17 / 79
p0 −1.59 ± 0.1344
pull
Entries 80
Mean 143.2
Std Dev 120
pull1D
Entries 80
Mean −0.01682
Std Dev 0.3562

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run

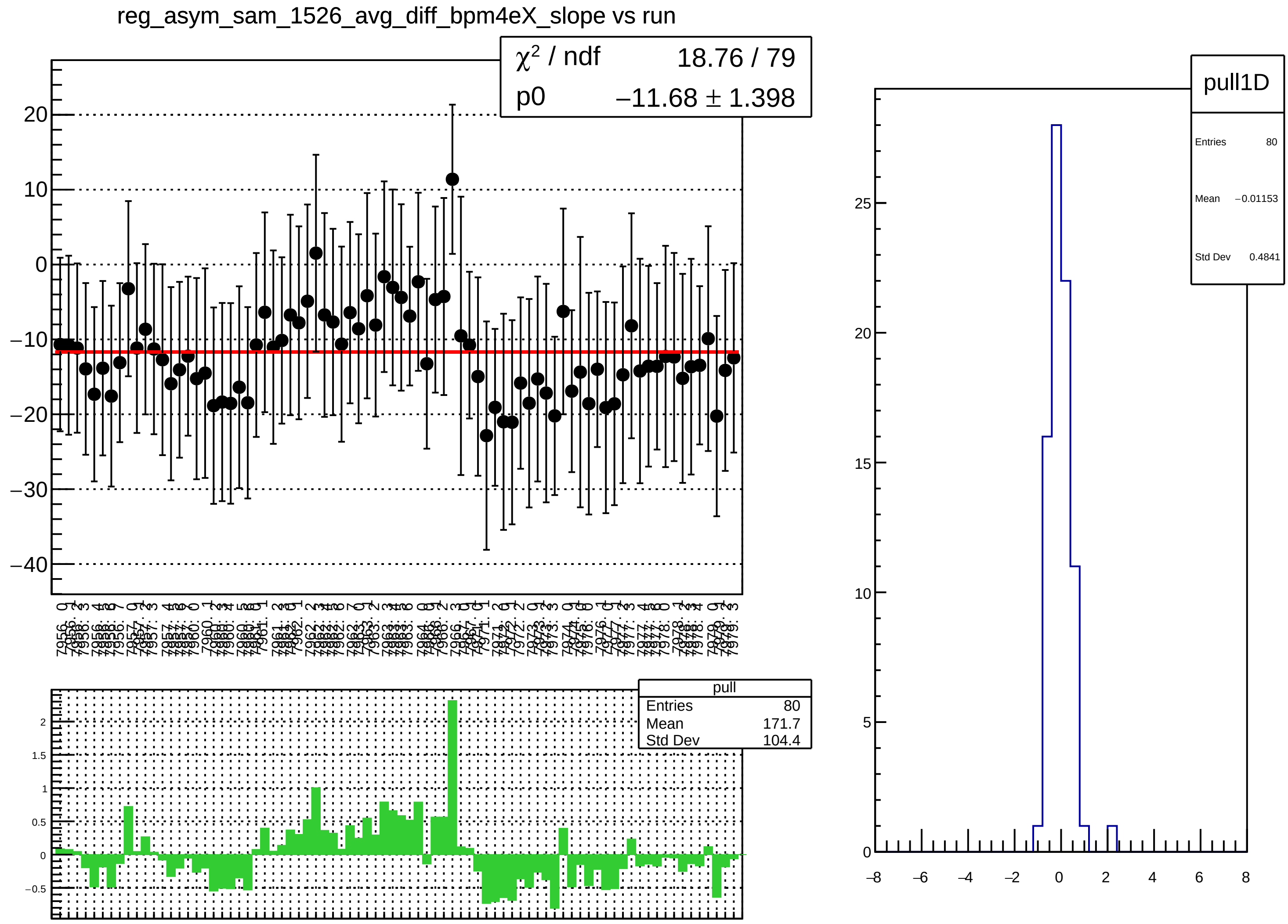




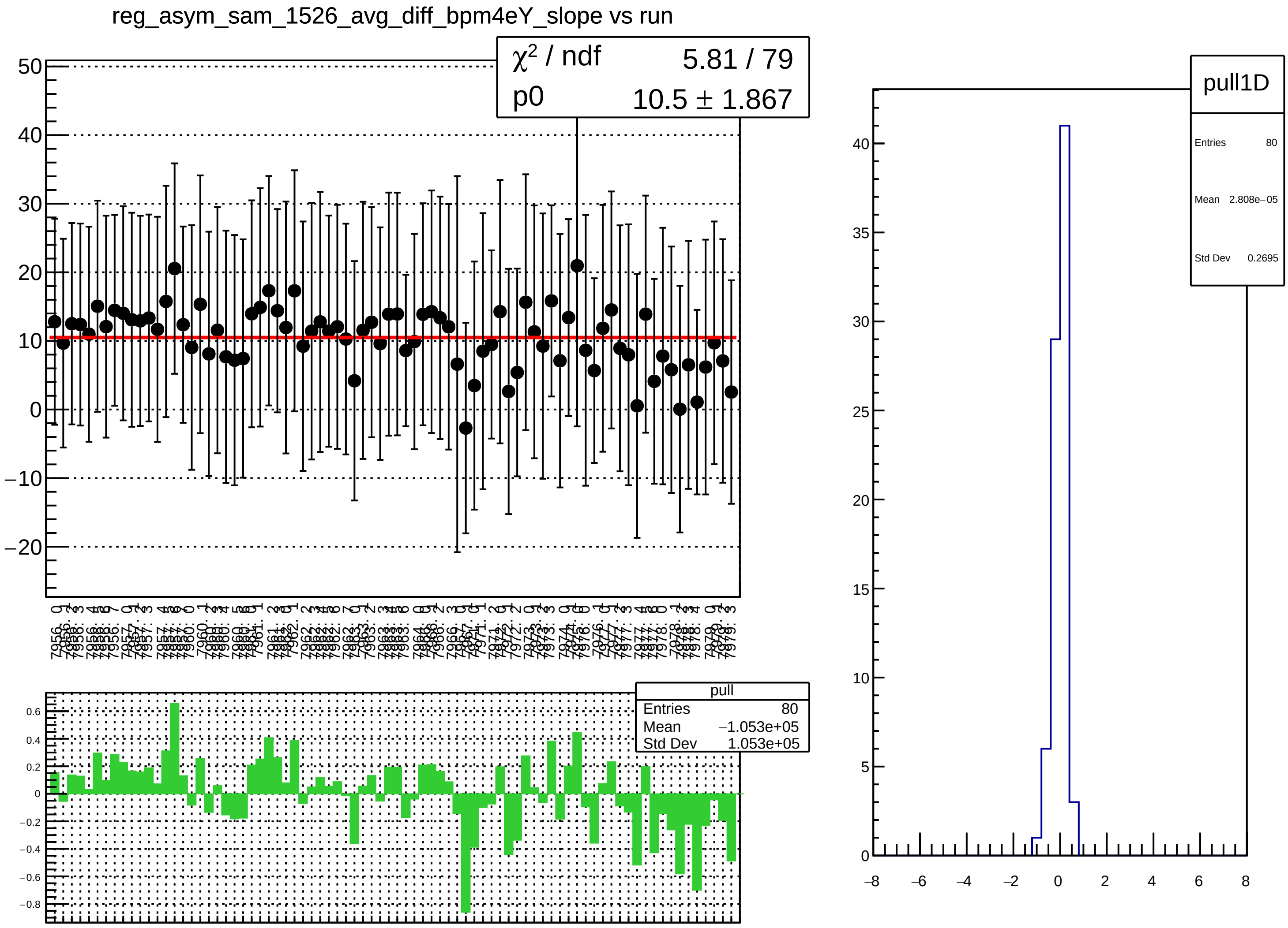




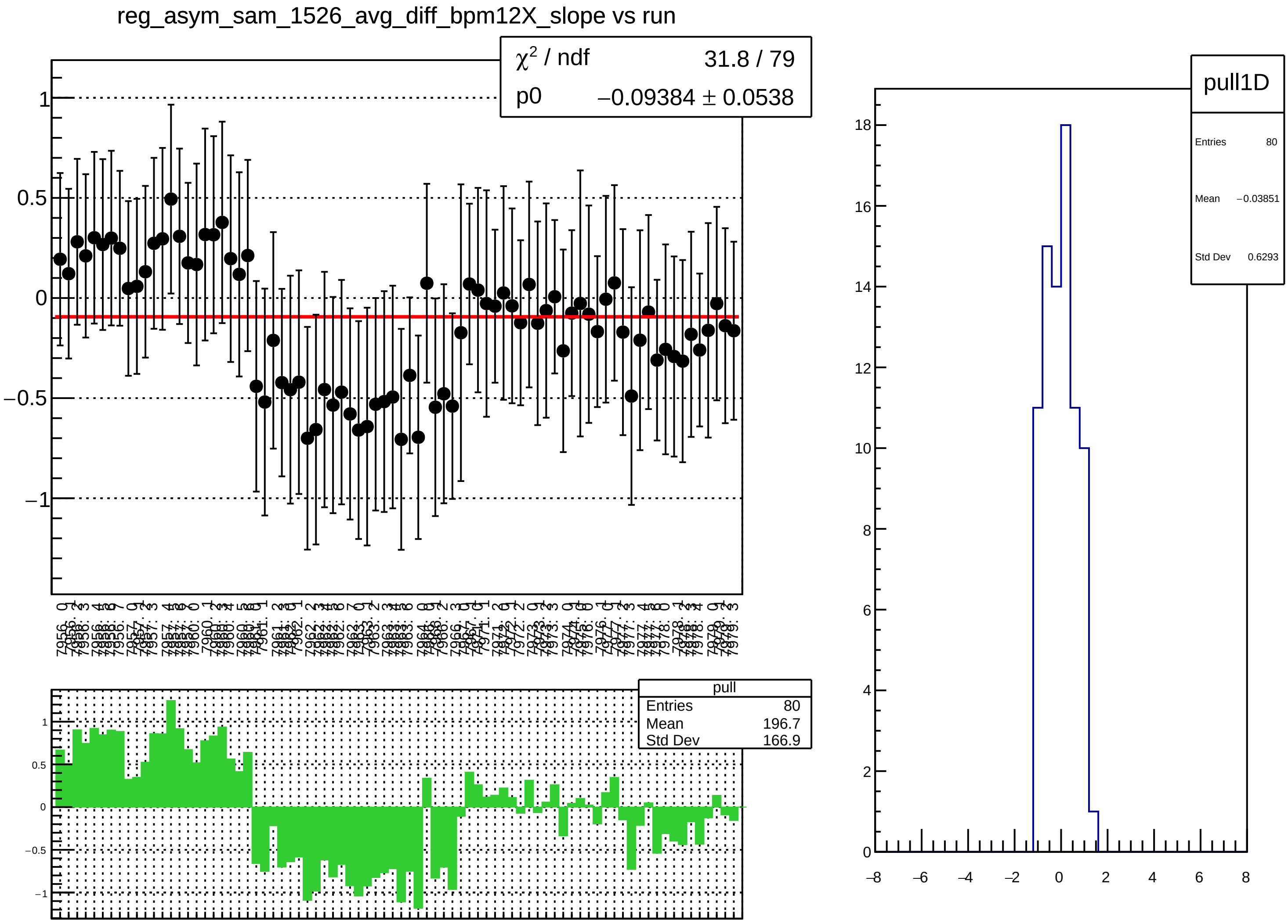
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.197 / 79
p0 −3.098 ± 1.63
pull
Entries 80
Mean 157.4
Std Dev 136
pull1D
Entries 80
Mean −0.009921
Std Dev 0.2781



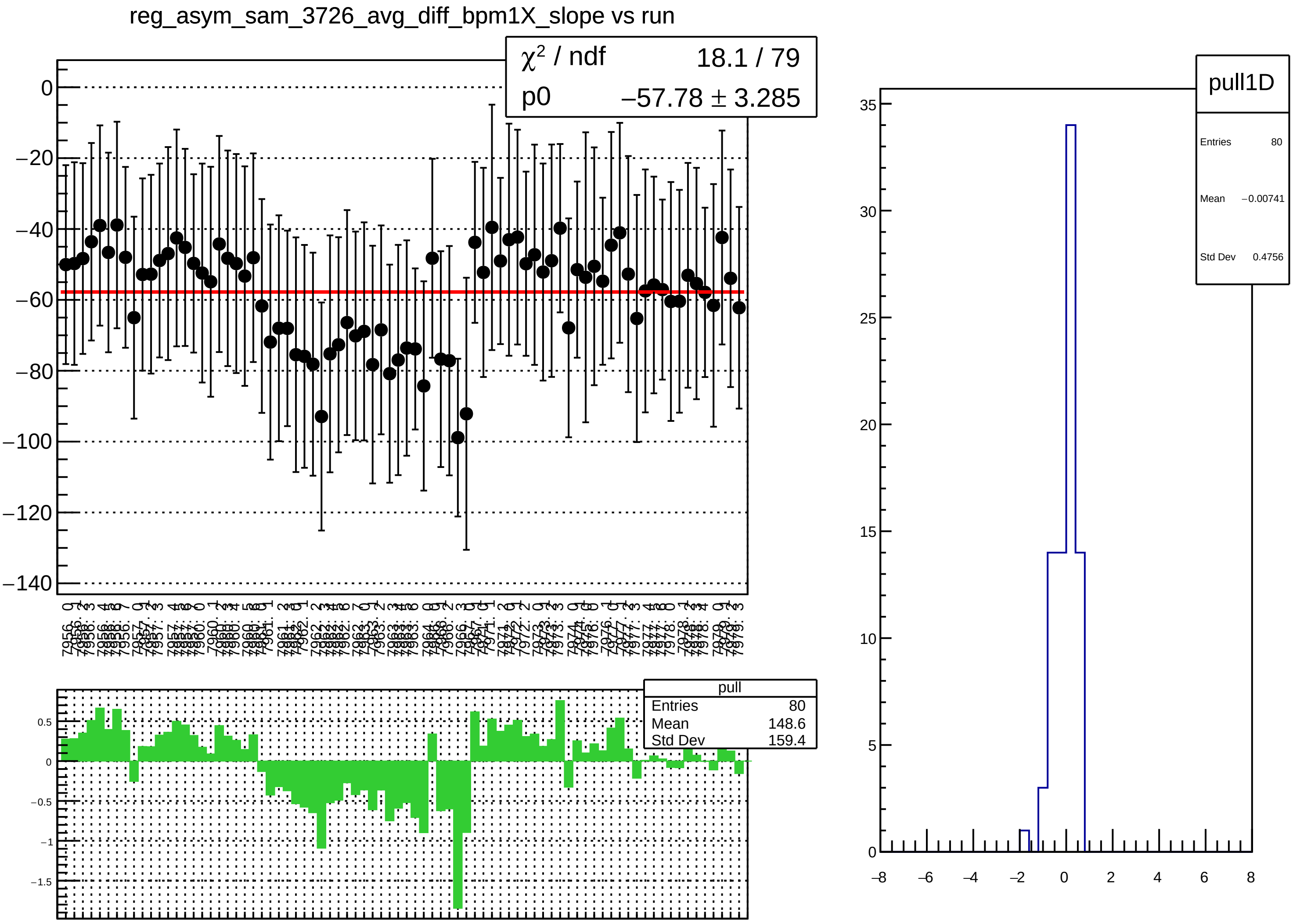
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 18.76 / 79
p0 −11.68 ± 1.398
pull
Entries 80
Mean 171.7
Std Dev 104.4
pull1D
Entries 80
Mean −0.01153
Std Dev 0.4841

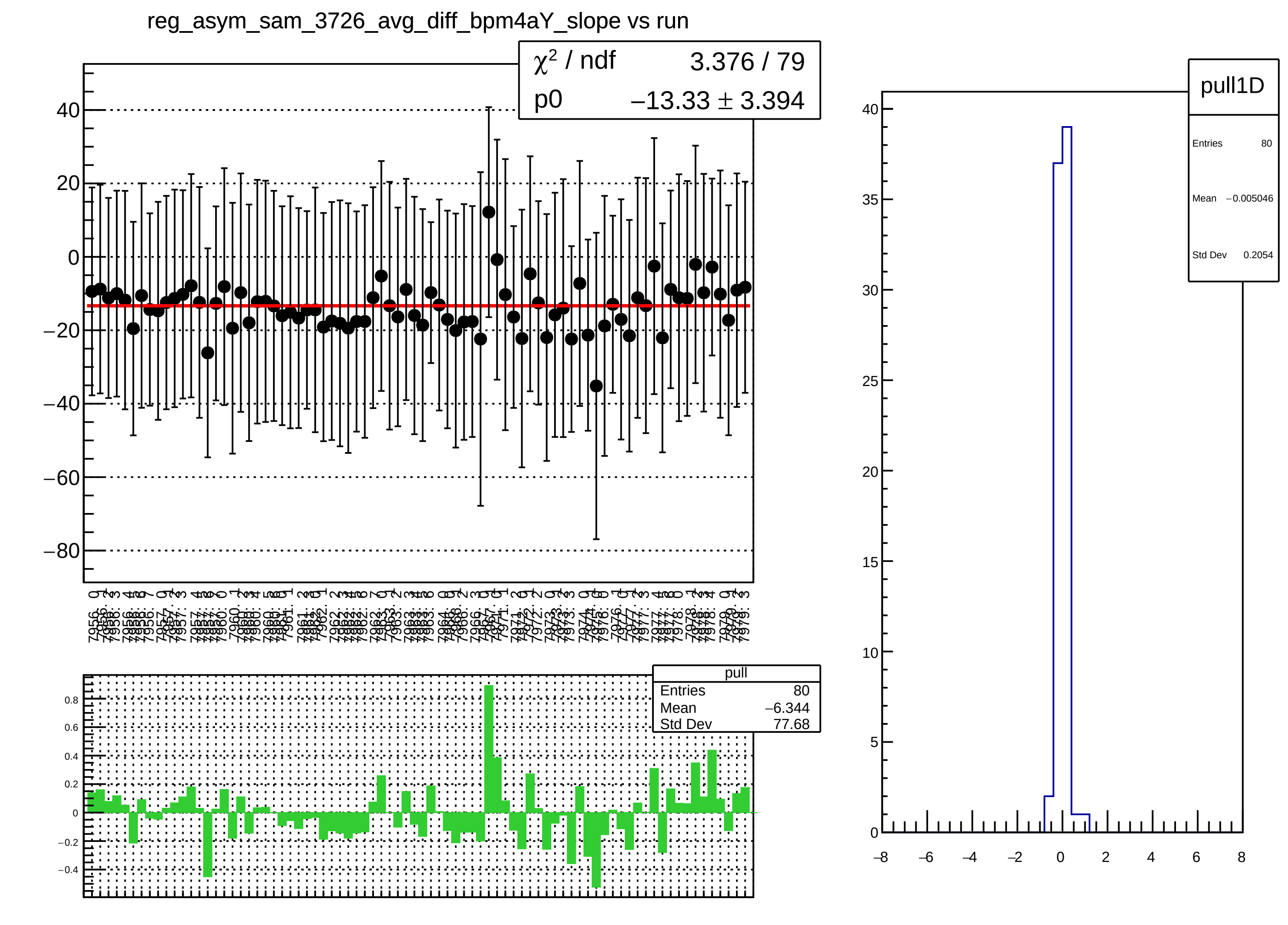


reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.81 / 79
p0 10.5 ± 1.867
pull
Entries 80
Mean −1.053e+05
Std Dev 1.053e+05
pull1D
Entries 80
Mean 2.808e−05
Std Dev 0.2695

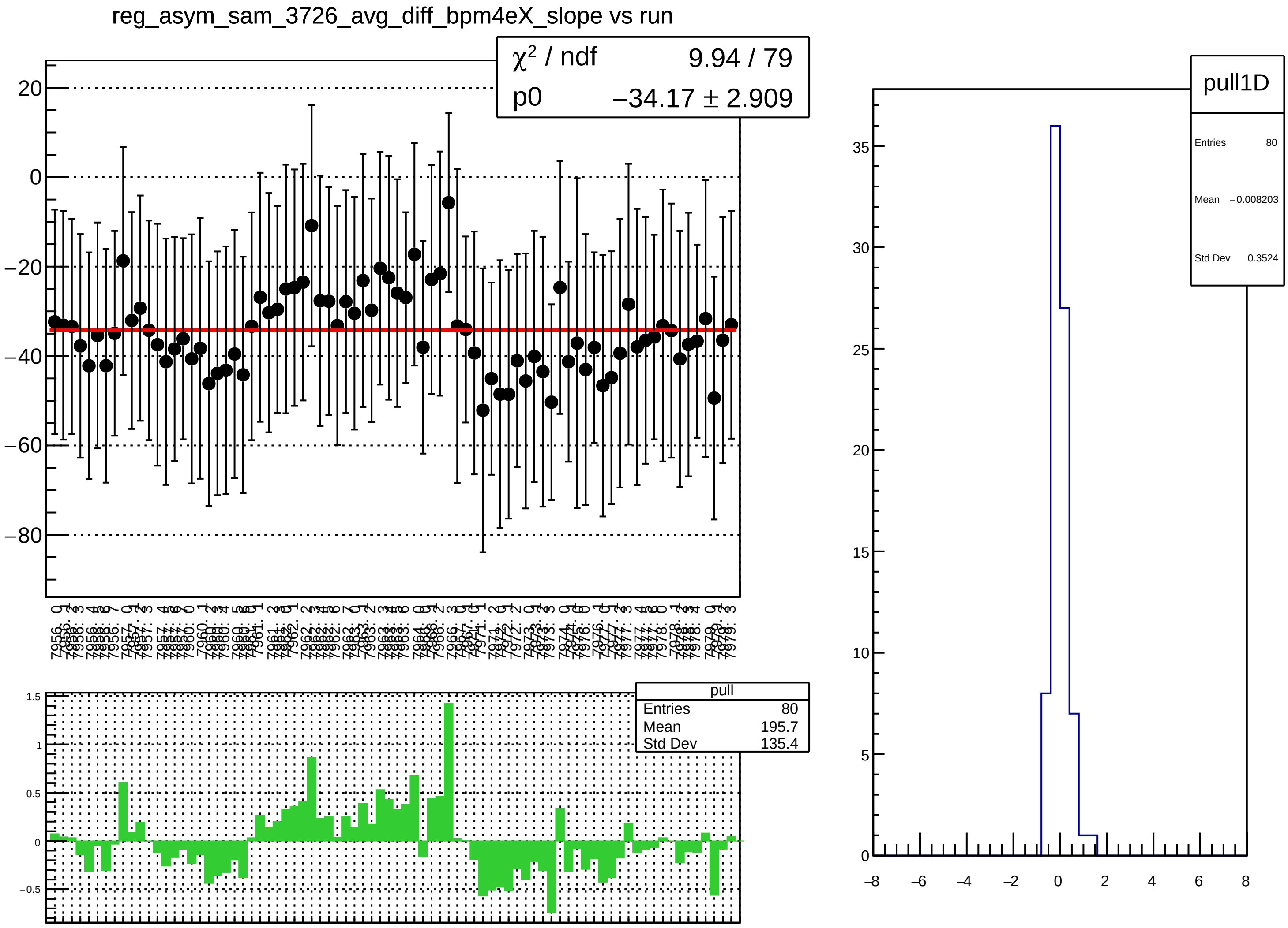


reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 31.8 / 79
p0 −0.09384 ± 0.0538
pull
Entries 80
Mean 196.7
Std Dev 166.9
pull1D
Entries 80
Mean −0.03851
Std Dev 0.6293

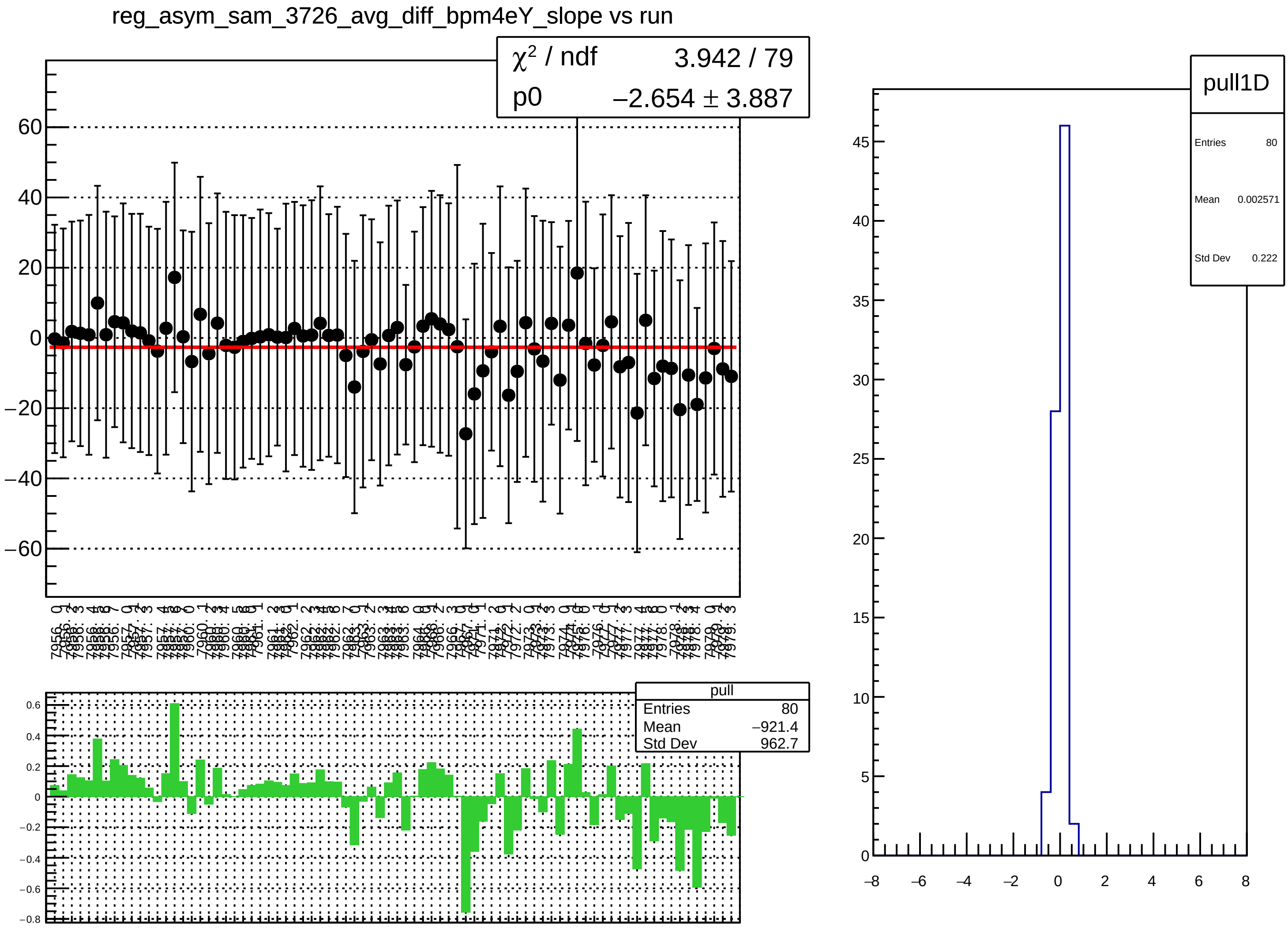

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ2 / ndf 18.1 / 79
p0 −57.78 ± 3.285
pull
Entries 80
Mean 148.6
Std Dev 159.4
pull1D
Entries 80
Mean −0.00741
Std Dev 0.4756



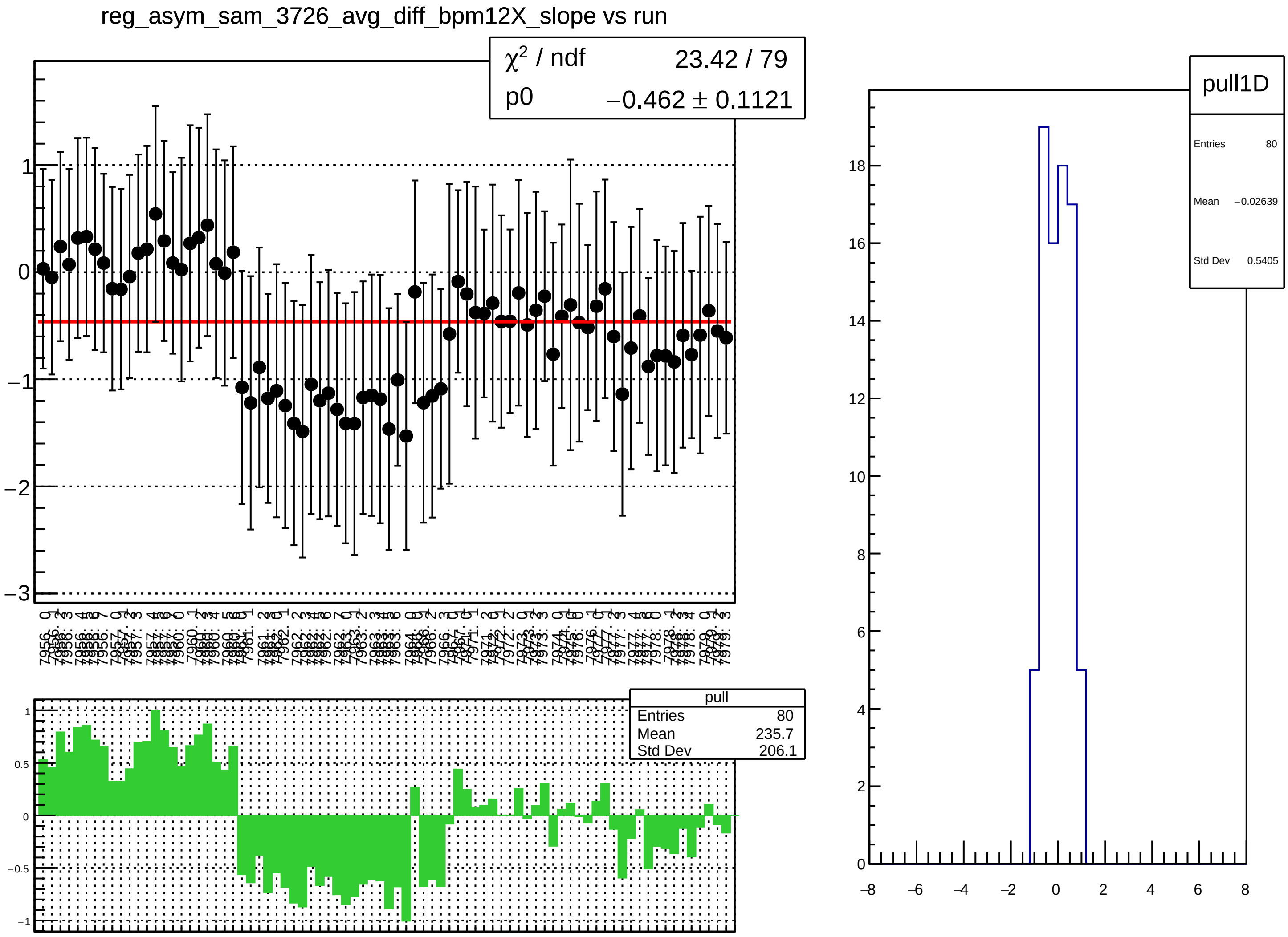
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.376 / 79
p0 −13.33 ± 3.394
pull
Entries 80
Mean −6.344
Std Dev 77.68
pull1D
Entries 80
Mean −0.005046
Std Dev 0.2054



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

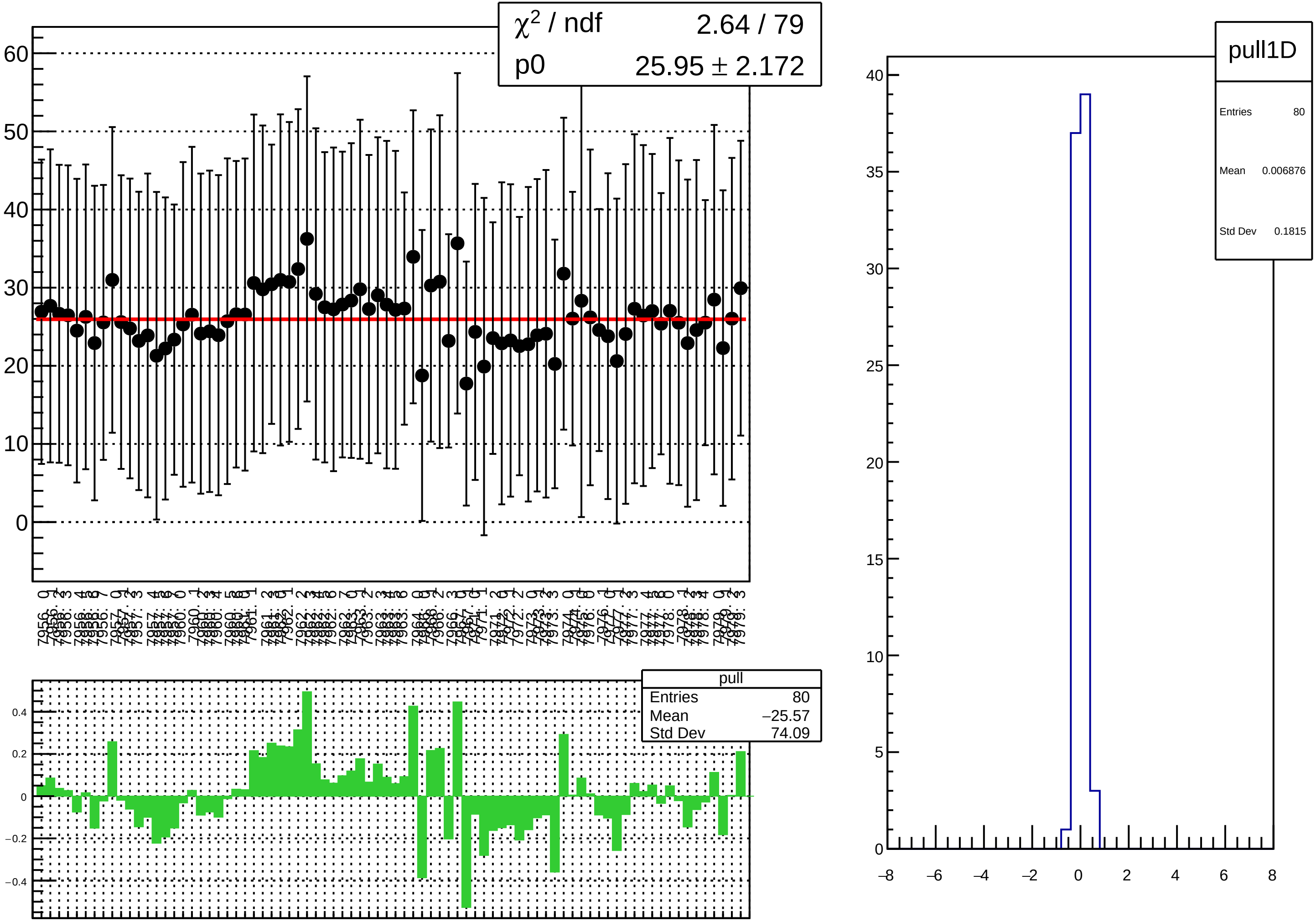


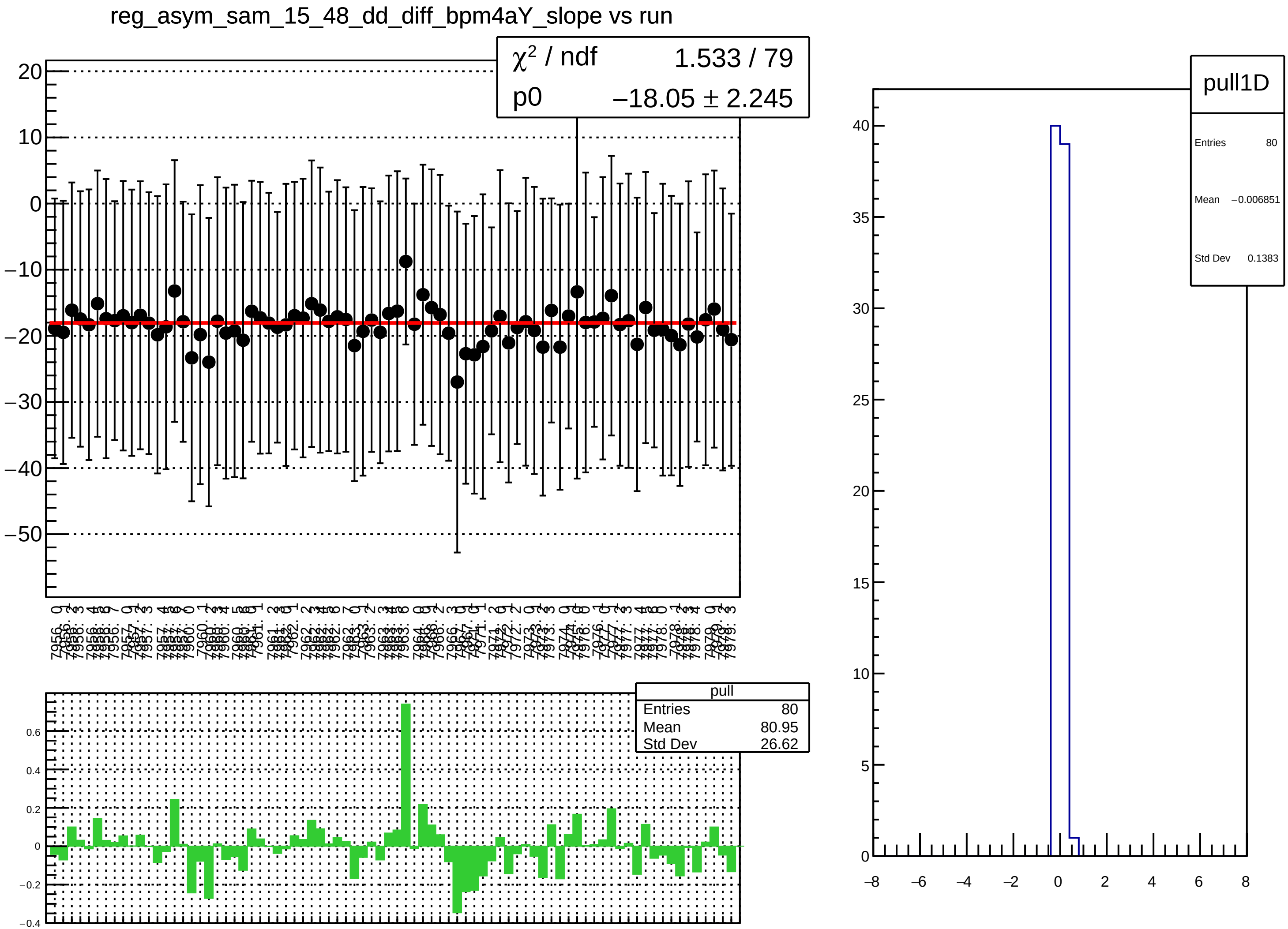
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.942 / 79
p0 −2.654 ± 3.887
pull
Entries 80
Mean −921.4
Std Dev 962.7
pull1D
Entries 80
Mean 0.002571
Std Dev 0.222



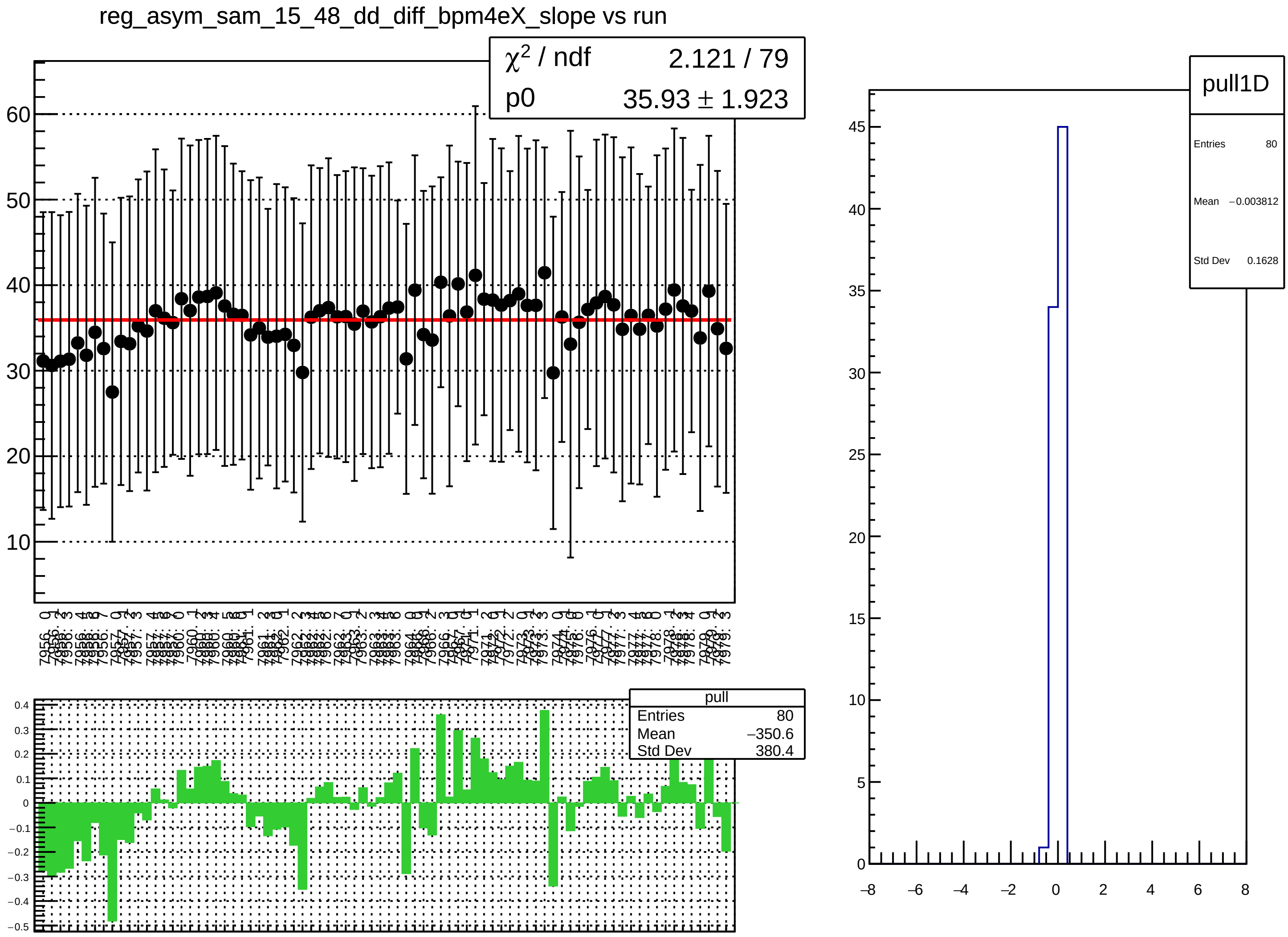
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ2 / ndf 23.42 / 79
p0 −0.462 ± 0.1121
pull
Entries 80
Mean 235.7
Std Dev 206.1
pull1D
Entries 80
Mean −0.02639
Std Dev 0.5405

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run

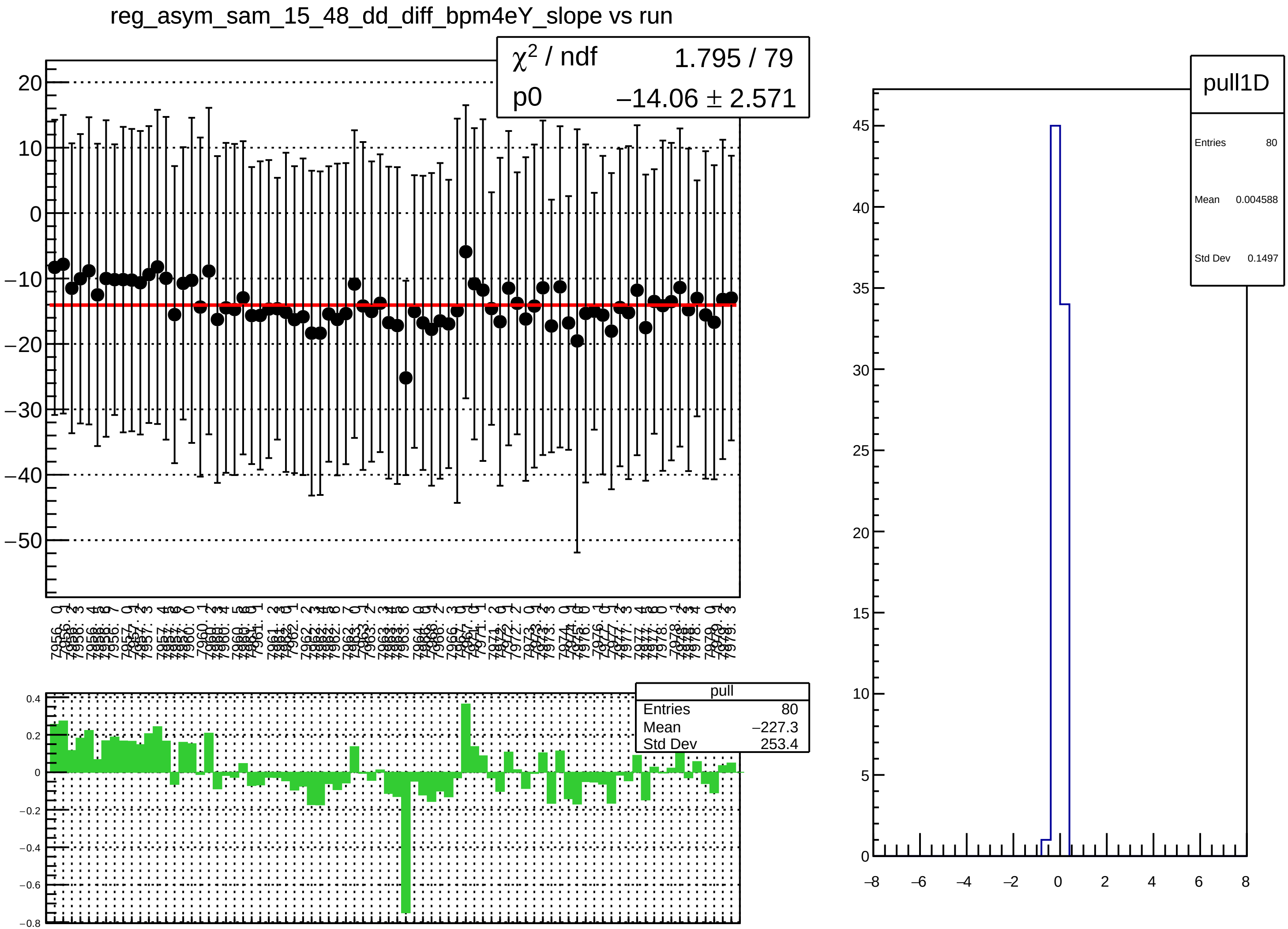




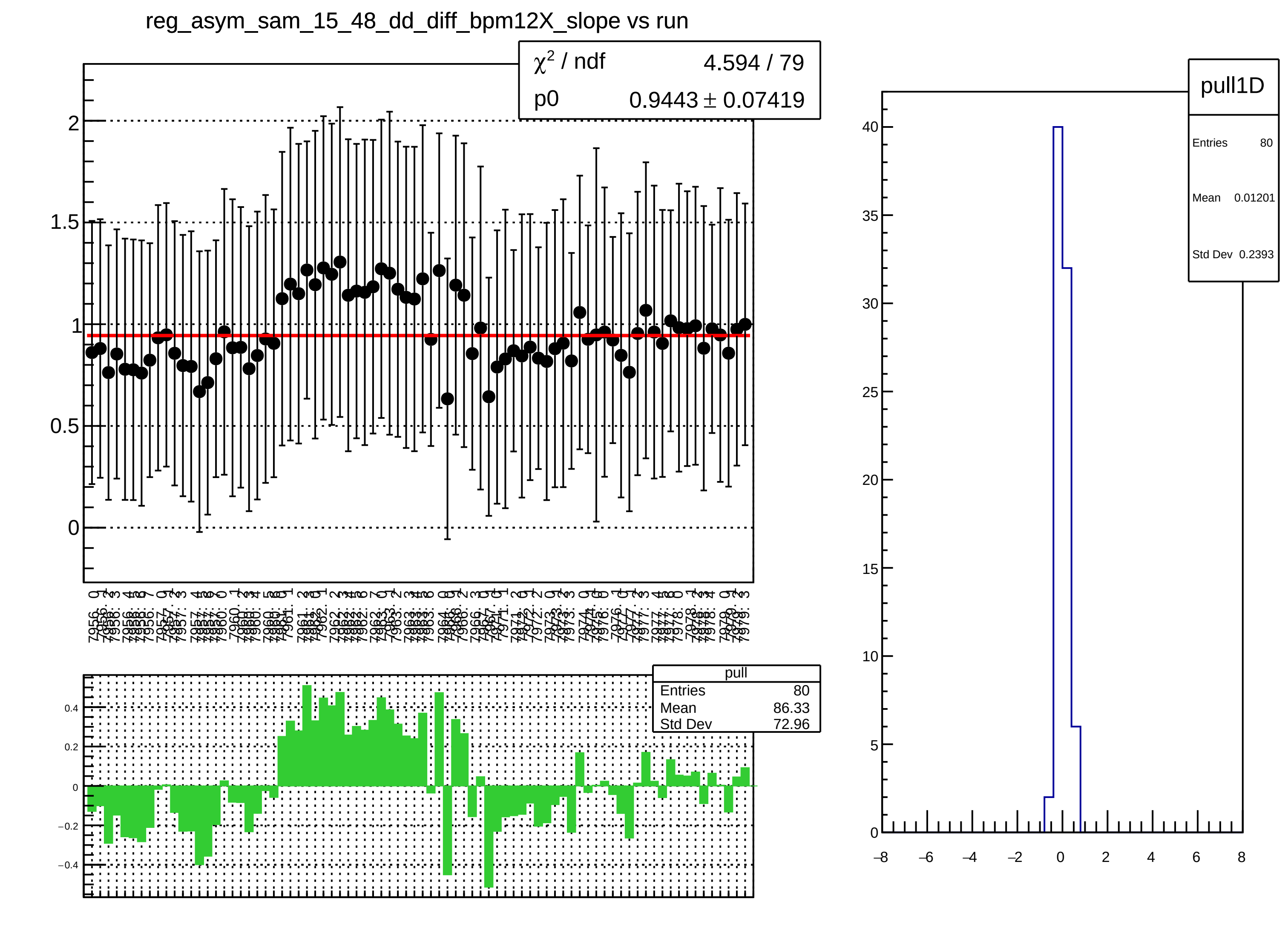
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.533 / 79
p0 −18.05 ± 2.245
pull
Entries 80
Mean 80.95
Std Dev 26.62
pull1D
Entries 80
Mean −0.006851
Std Dev 0.1383



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

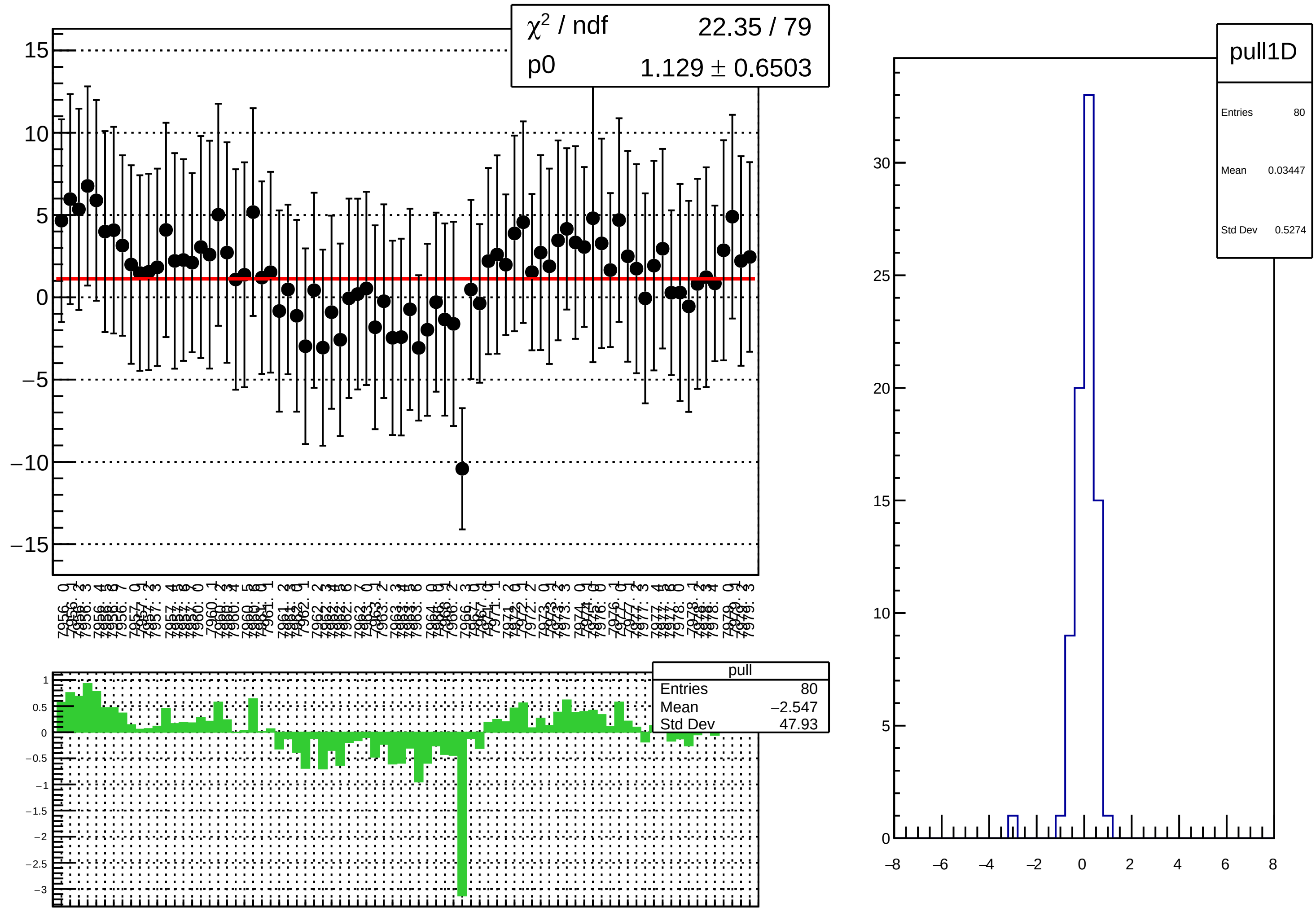


reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.795 / 79
p0 −14.06 ± 2.571
pull
Entries 80
Mean −227.3
Std Dev 253.4
pull1D
Entries 80
Mean 0.004588
Std Dev 0.1497

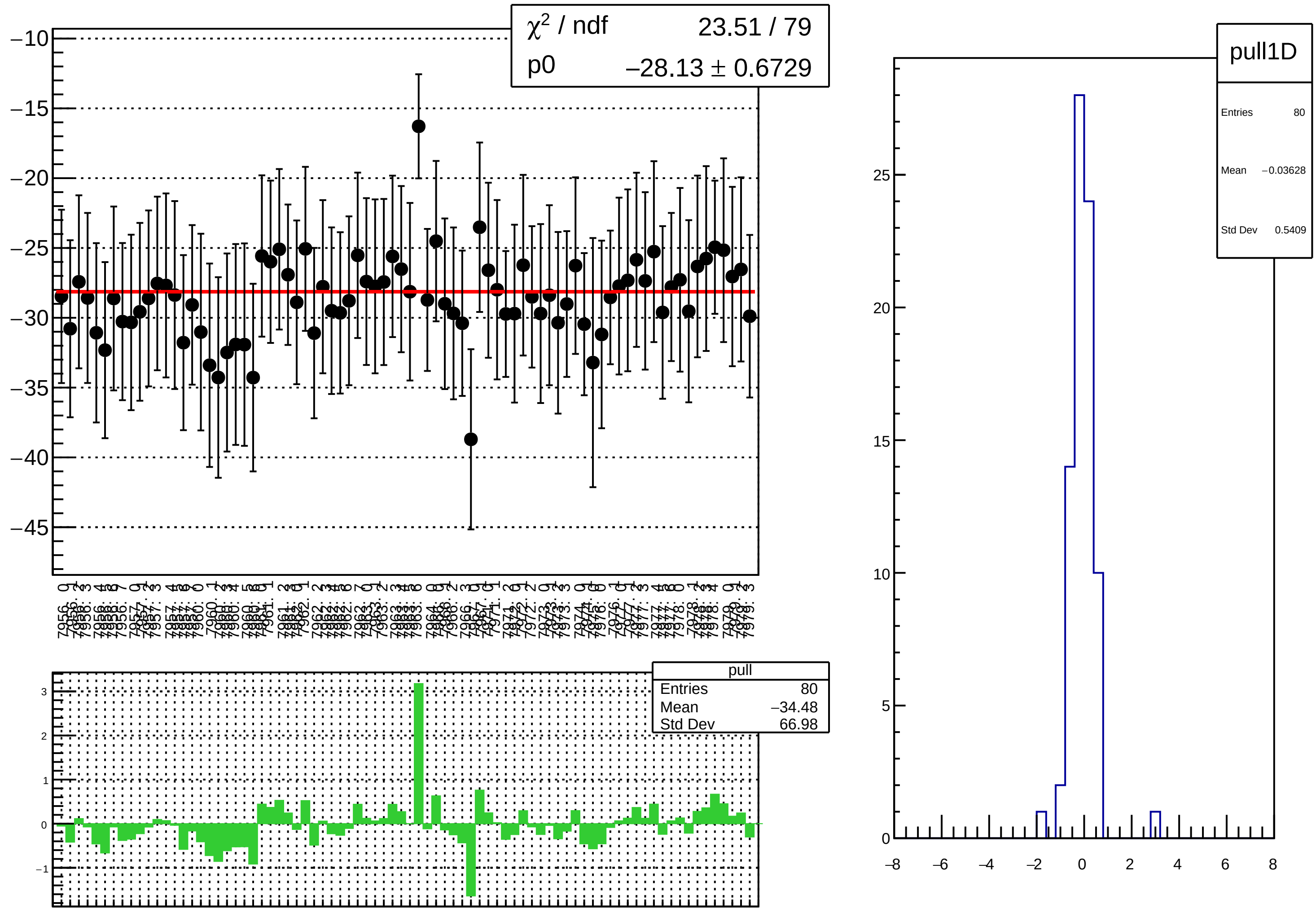


reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.594 / 79
p0 0.9443 ± 0.07419
pull
Entries 80
Mean 86.33
Std Dev 72.96
pull1D
Entries 80
Mean 0.01201
Std Dev 0.2393

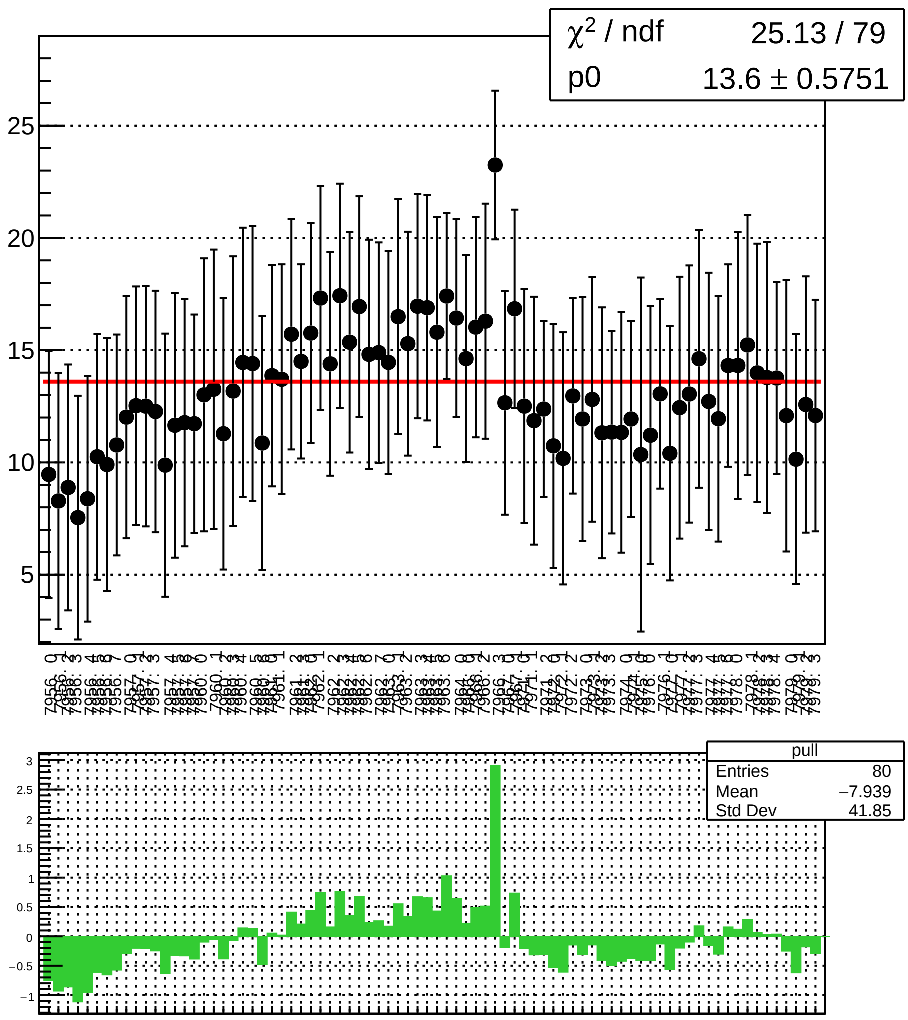
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

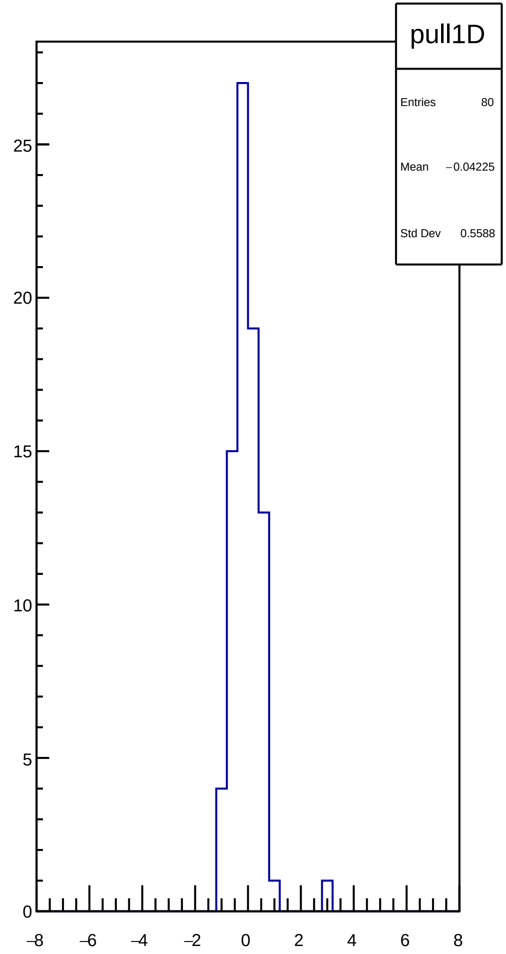


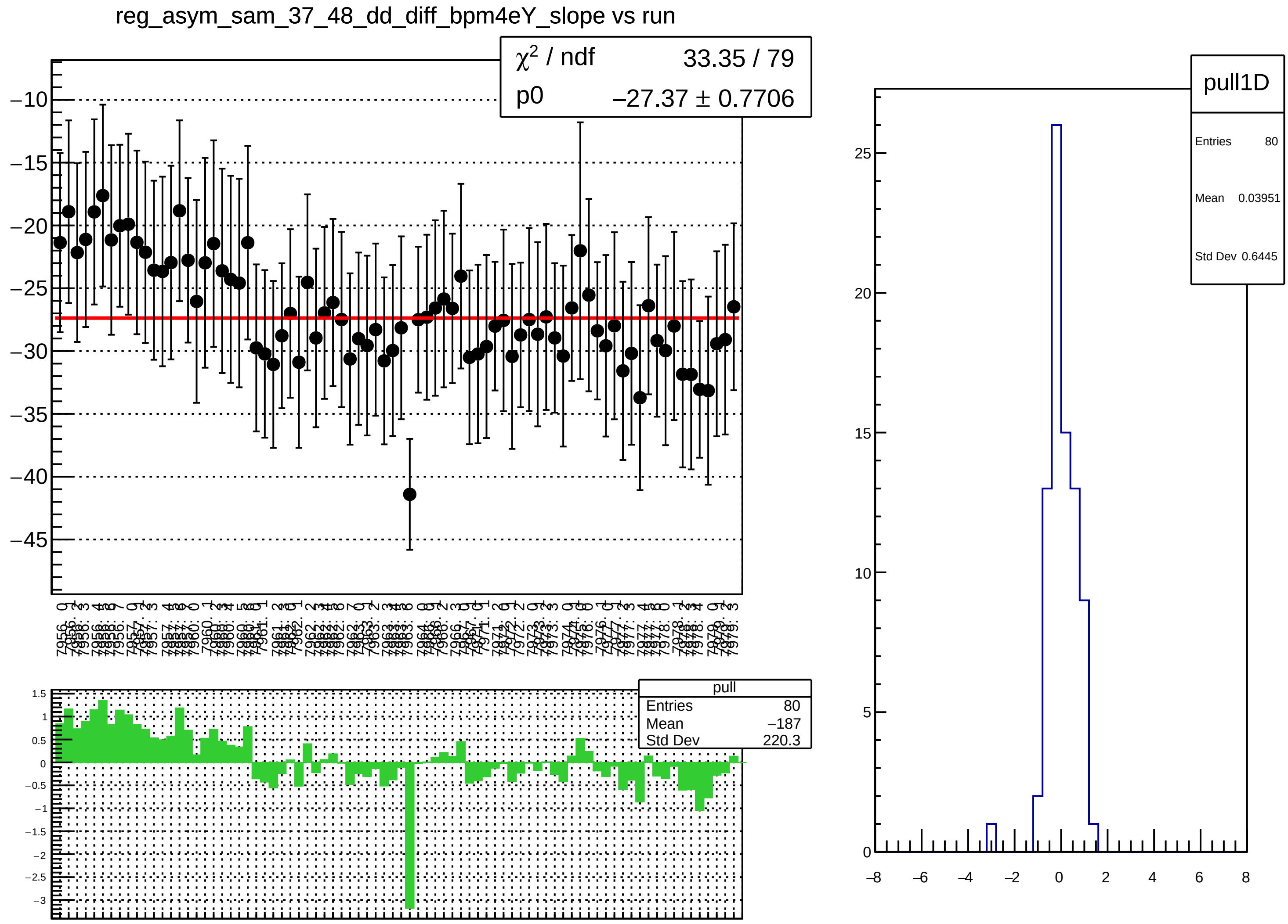
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run

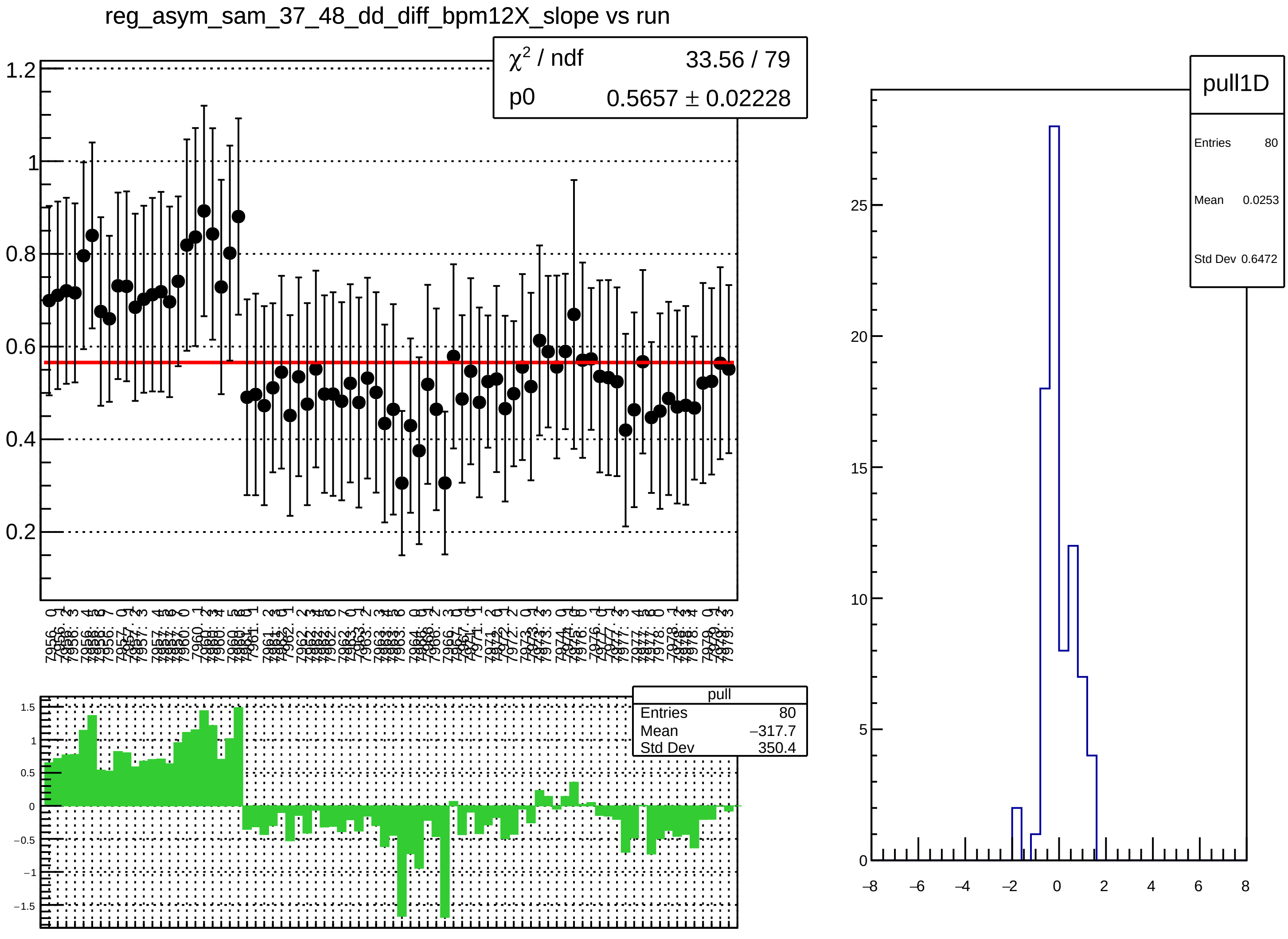


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run

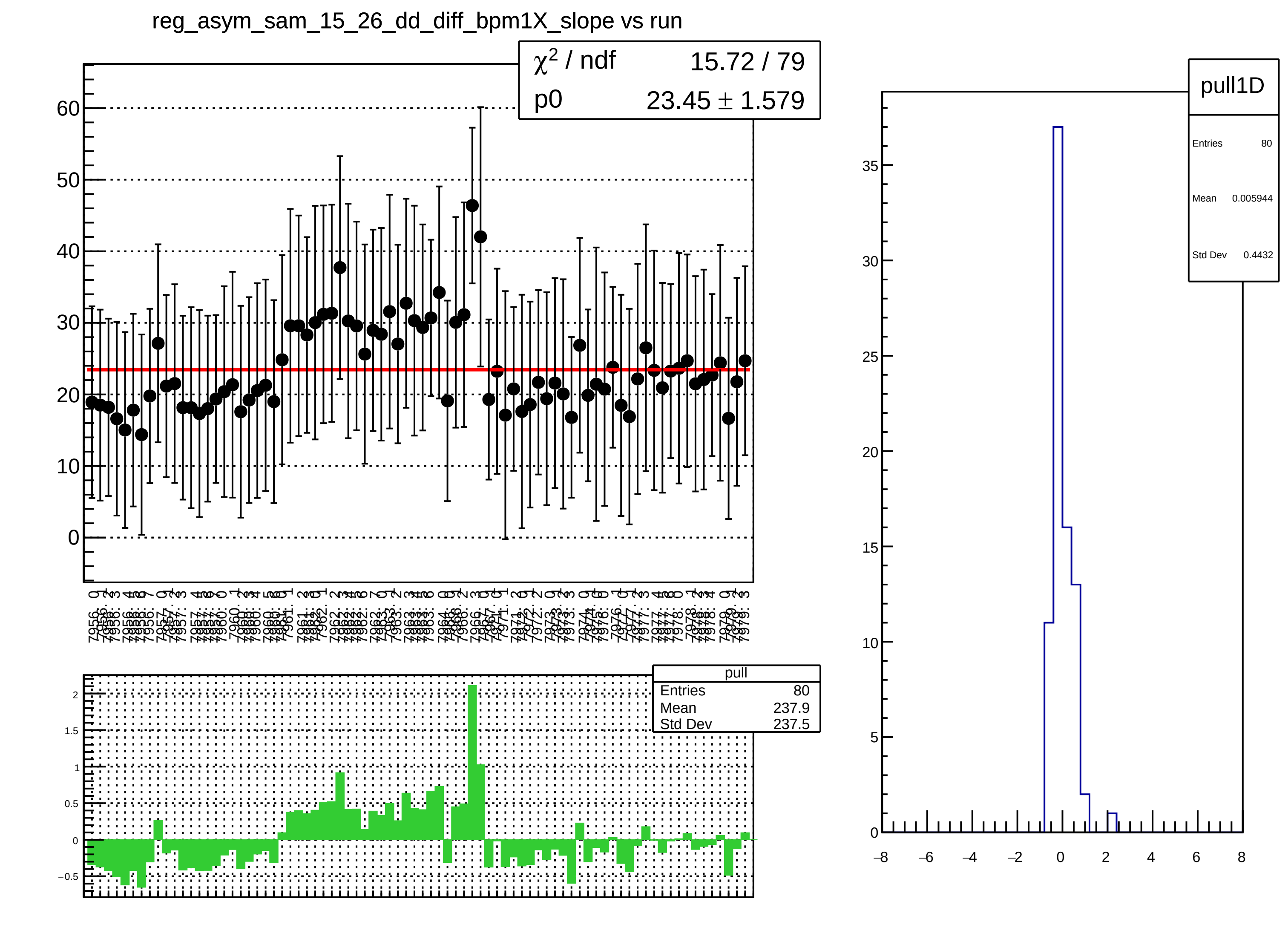


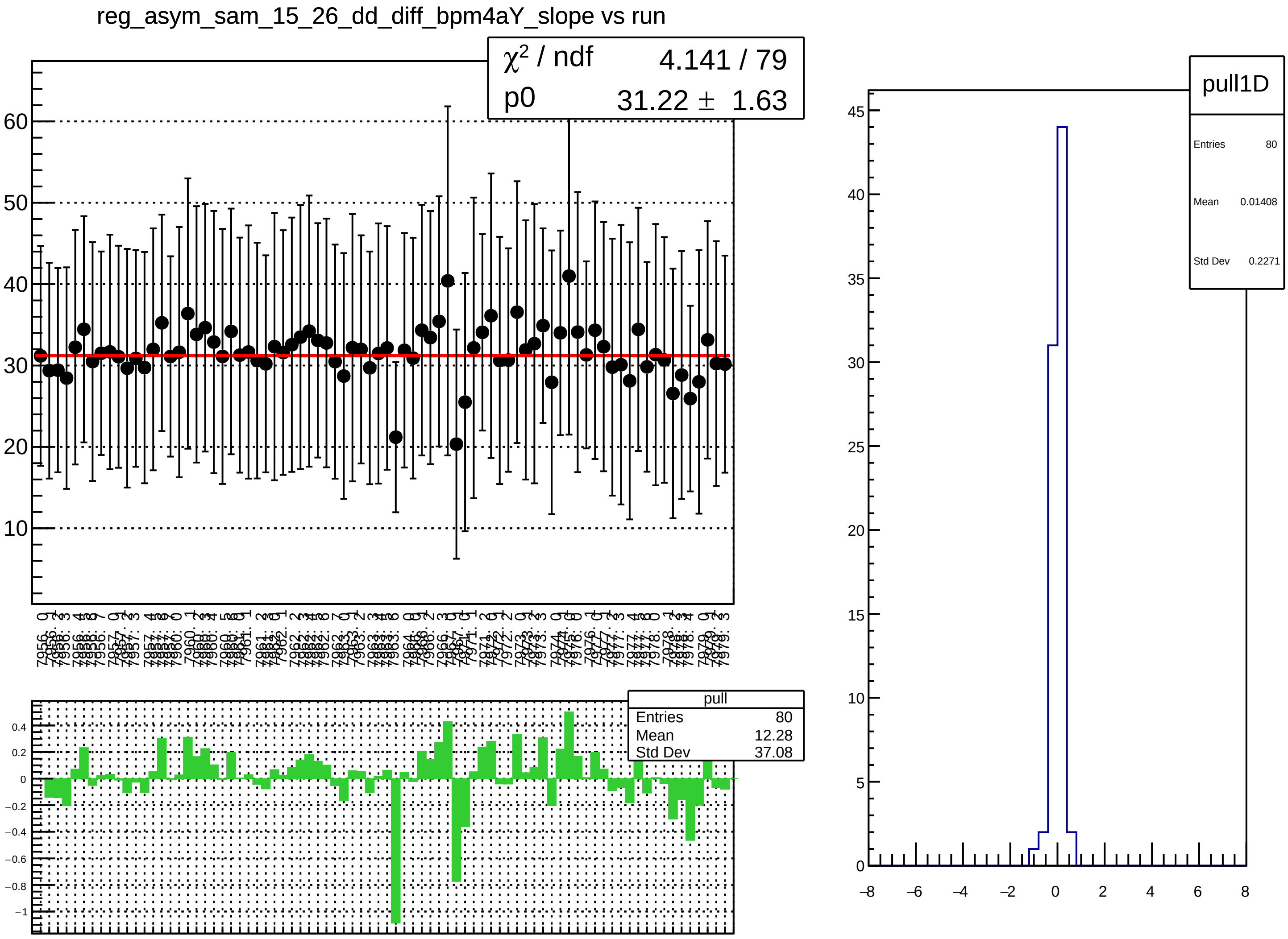



reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.35 / 79
p0 −27.37 ± 0.7706
pull
Entries 80
Mean −187
Std Dev 220.3
pull1D
Entries 80
Mean 0.03951
Std Dev 0.6445

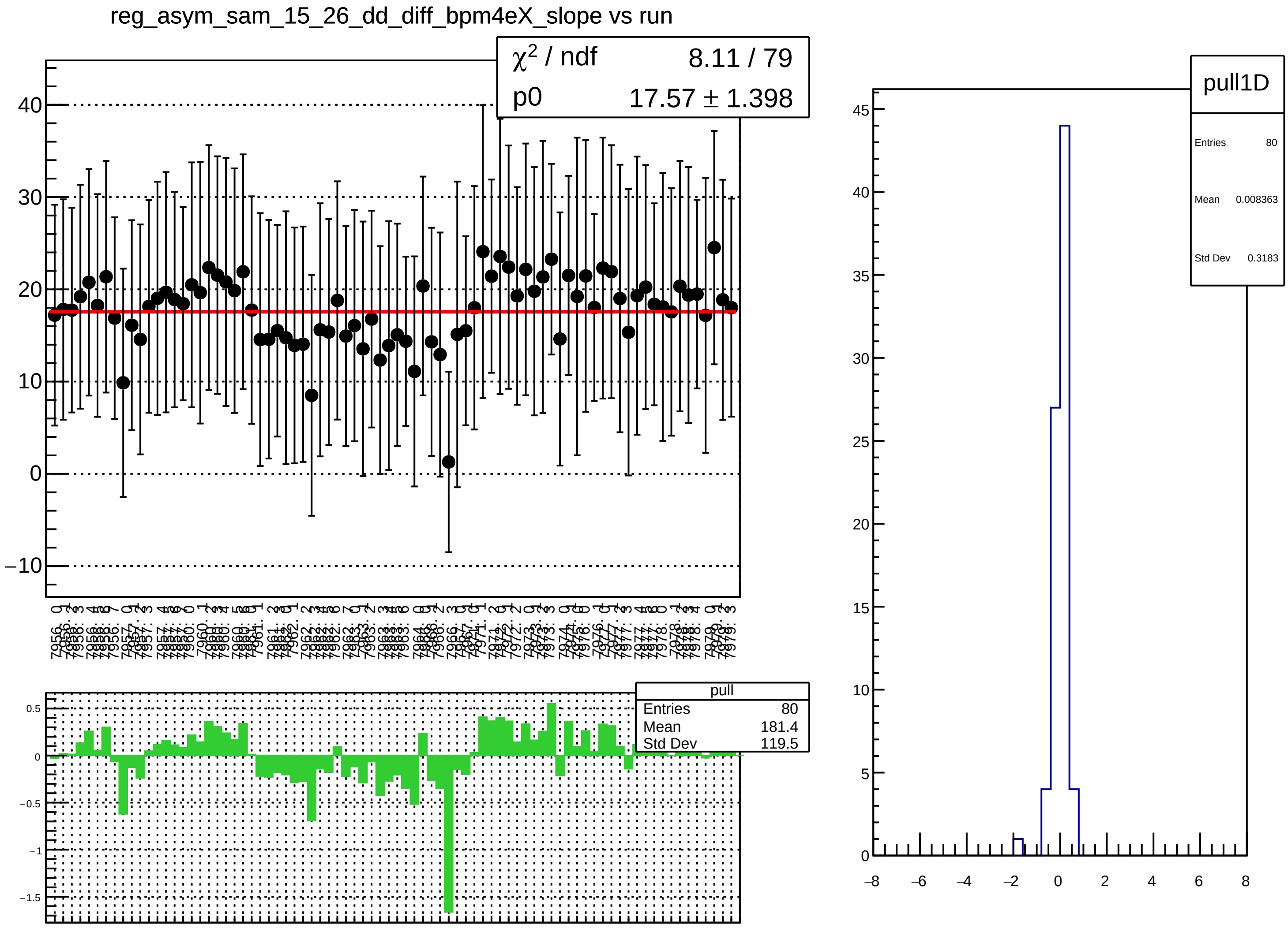


reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ2 / ndf 33.56 / 79
p0 0.5657 ± 0.02228
pull
Entries 80
Mean −317.7
Std Dev 350.4
pull1D
Entries 80
Mean 0.0253
Std Dev 0.6472

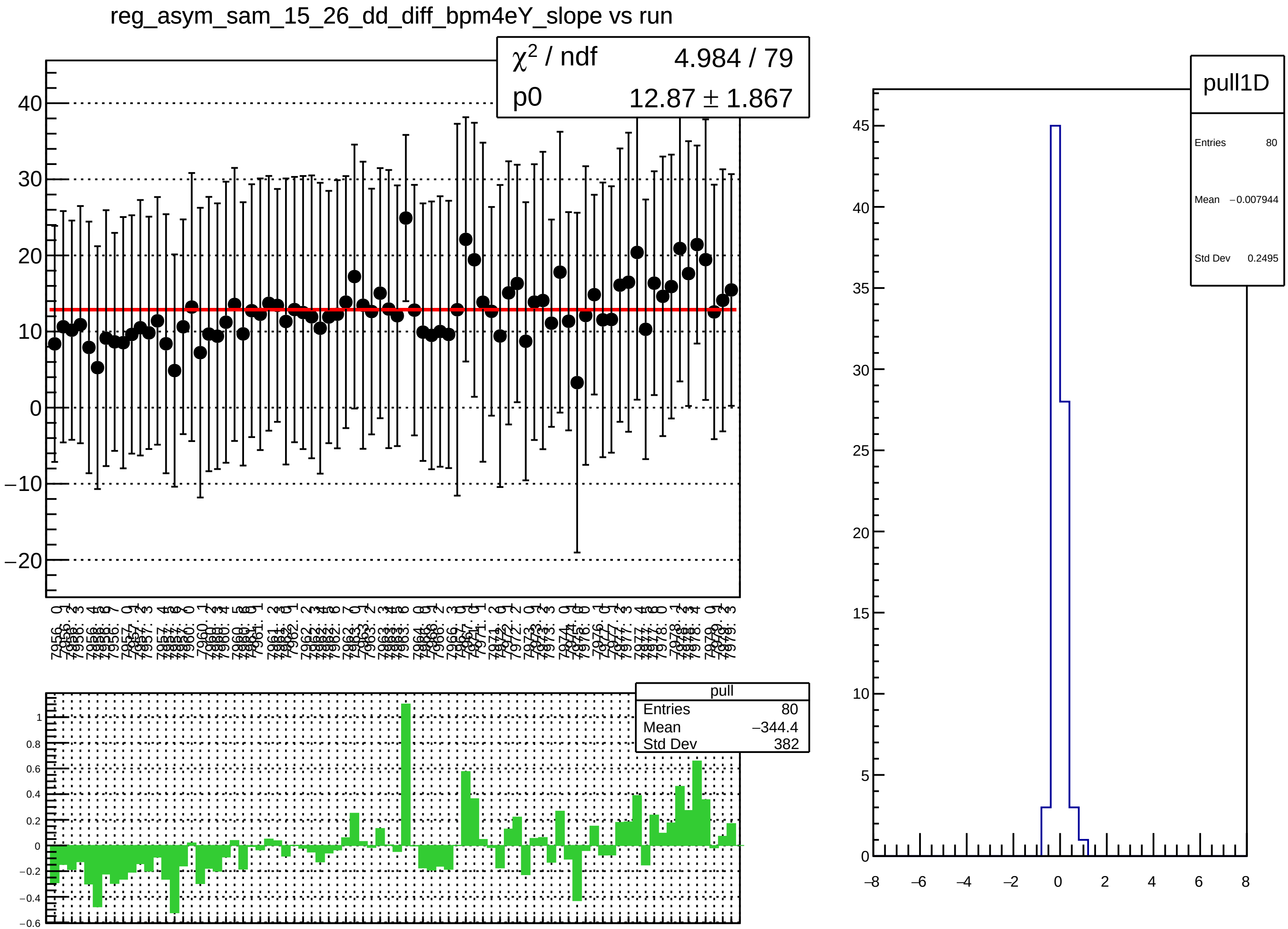

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 15.72 / 79
p0 23.45 ± 1.579
pull
Entries 80
Mean 237.9
Std Dev 237.5
pull1D
Entries 80
Mean 0.005944
Std Dev 0.4432



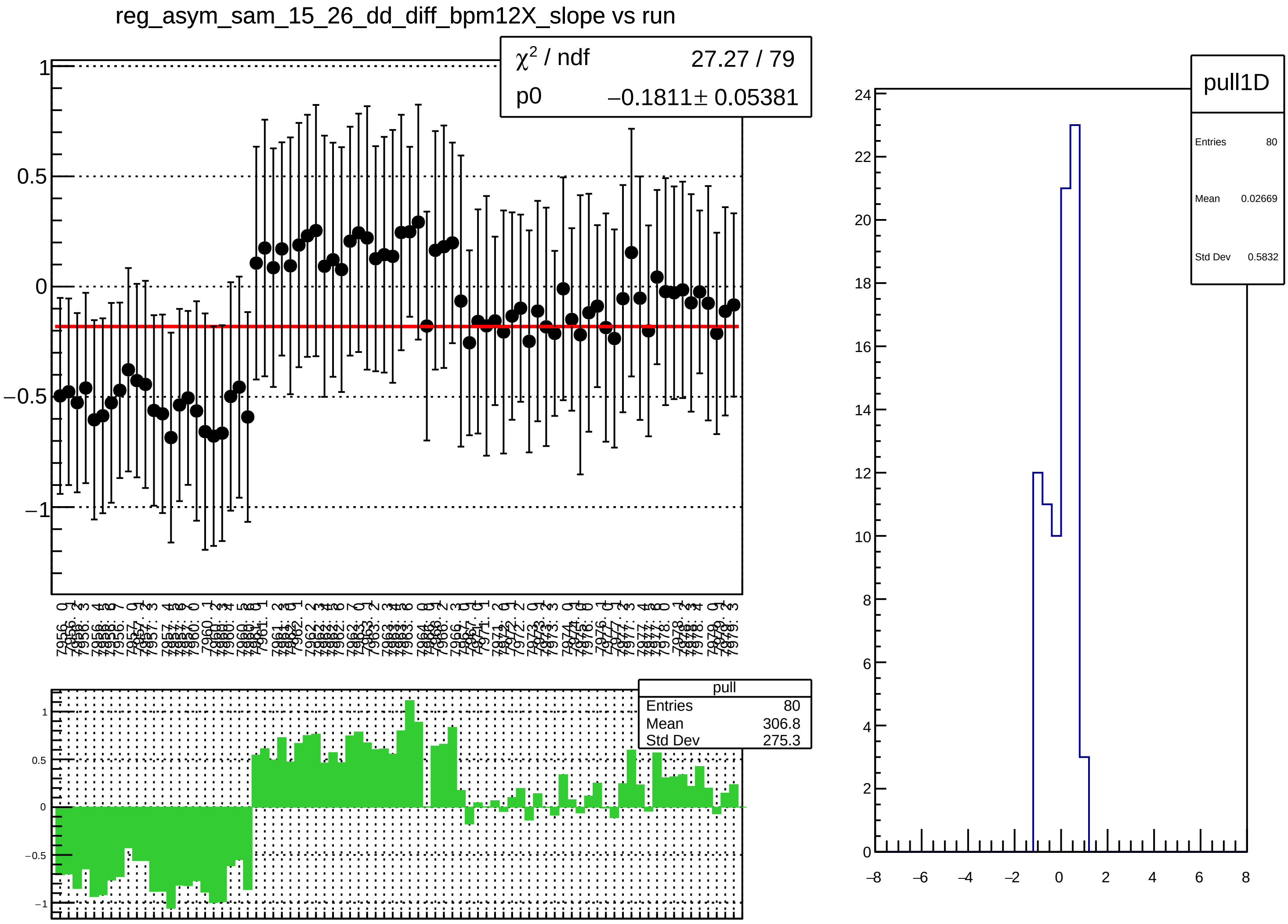
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.141 / 79
p0 31.22 ± 1.63
pull
Entries 80
Mean 12.28
Std Dev 37.08
pull1D
Entries 80
Mean 0.01408
Std Dev 0.2271

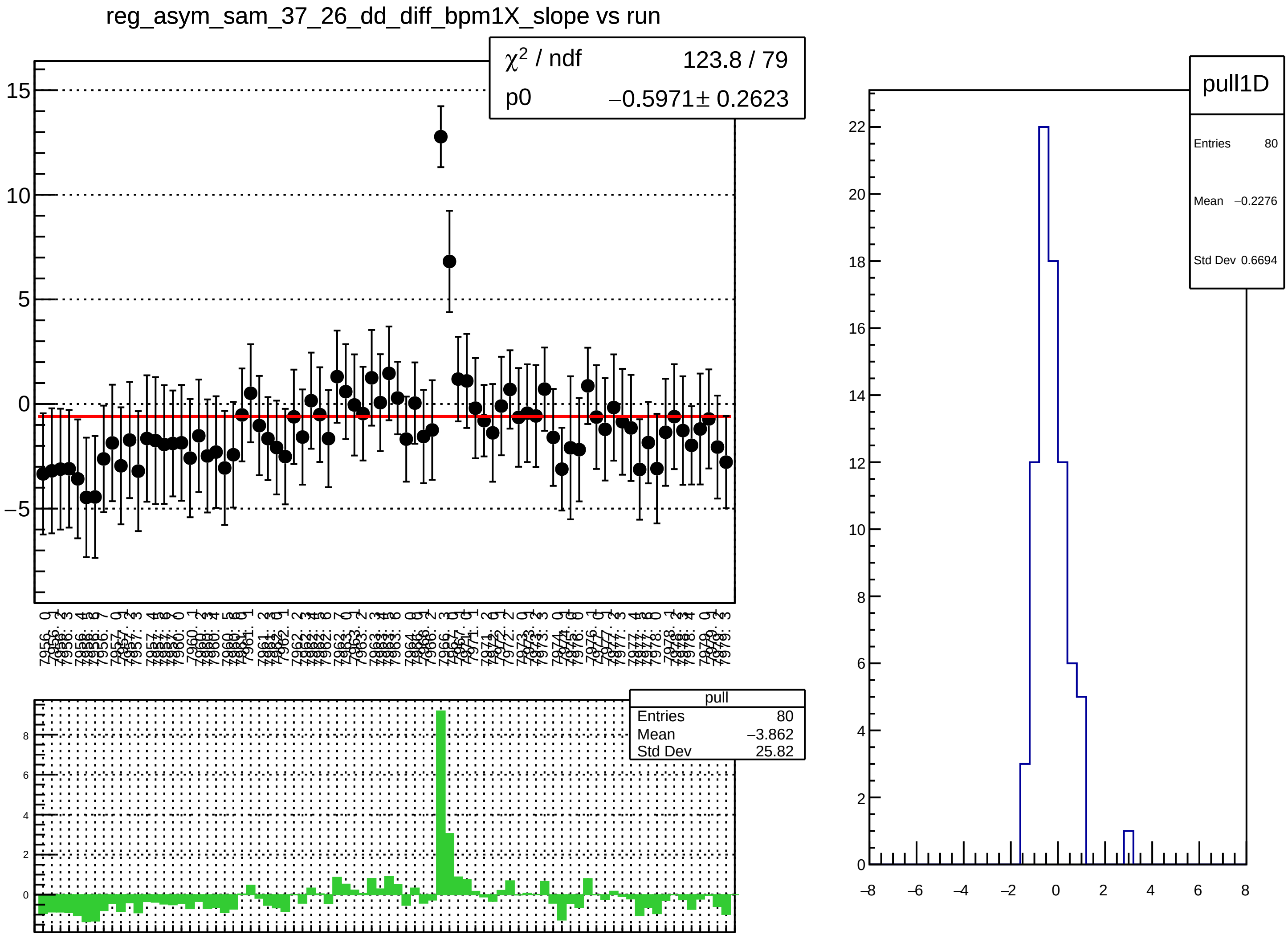


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.11 / 79
p0 17.57 ± 1.398
pull
Entries 80
Mean 181.4
Std Dev 119.5
pull1D
Entries 80
Mean 0.008363
Std Dev 0.3183

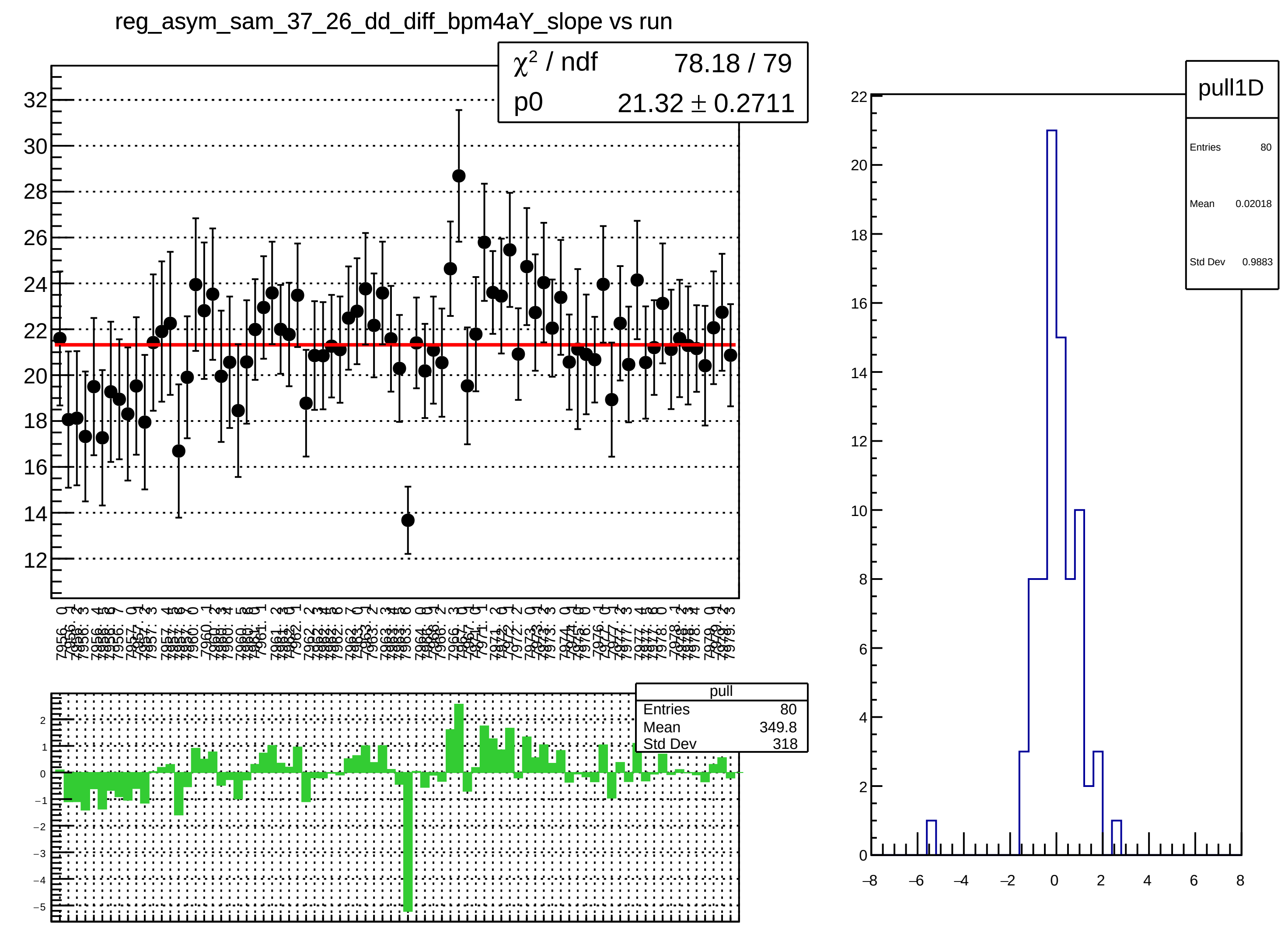


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.984 / 79
p0 12.87 ± 1.867
pull
Entries 80
Mean −344.4
Std Dev 382
pull1D
Entries 80
Mean −0.007944
Std Dev 0.2495

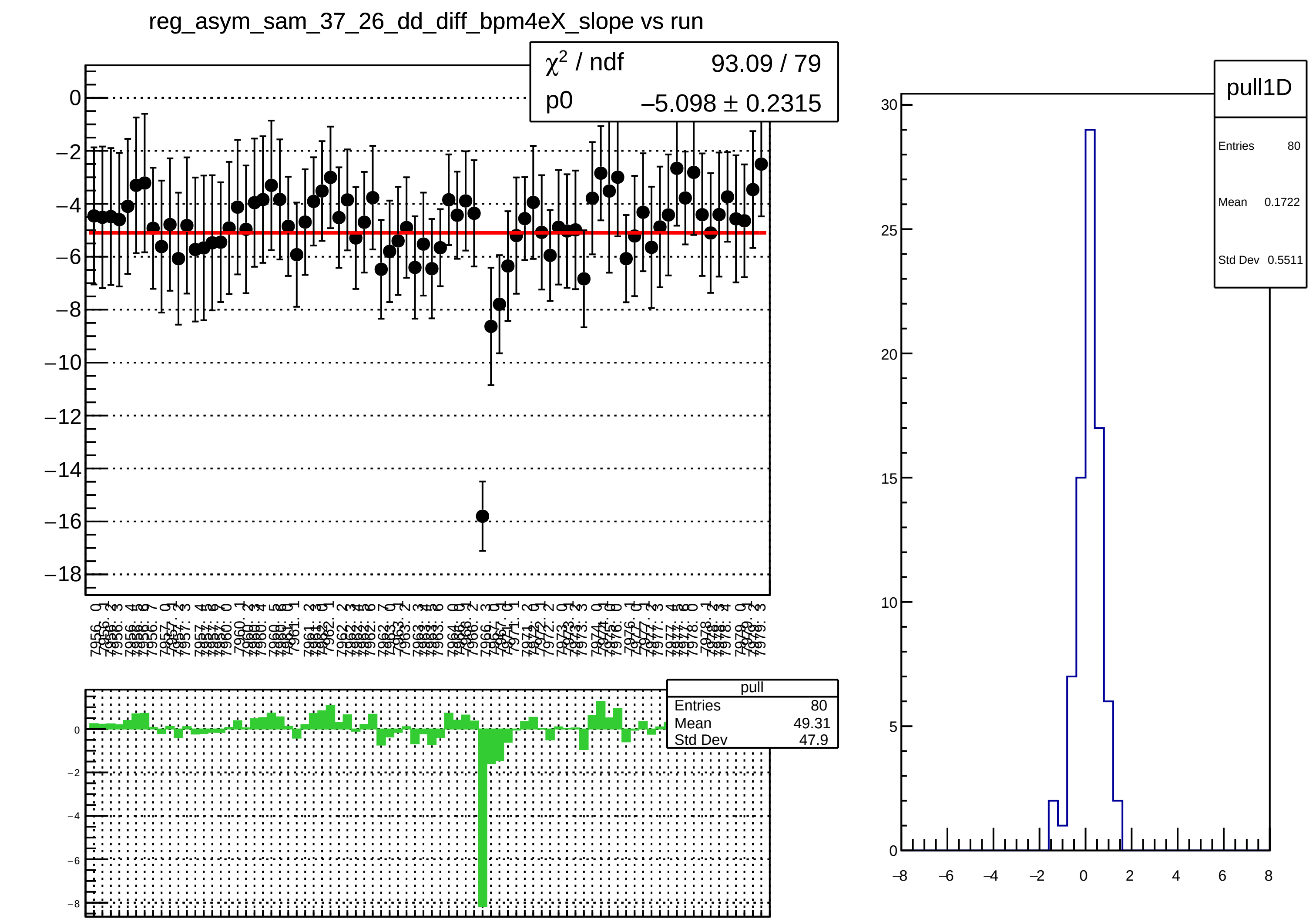

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 27.27 / 79
p0 −0.1811 ± 0.05381
pull
Entries 80
Mean 306.8
Std Dev 275.3
pull1D
Entries 80
Mean 0.02669
Std Dev 0.5832



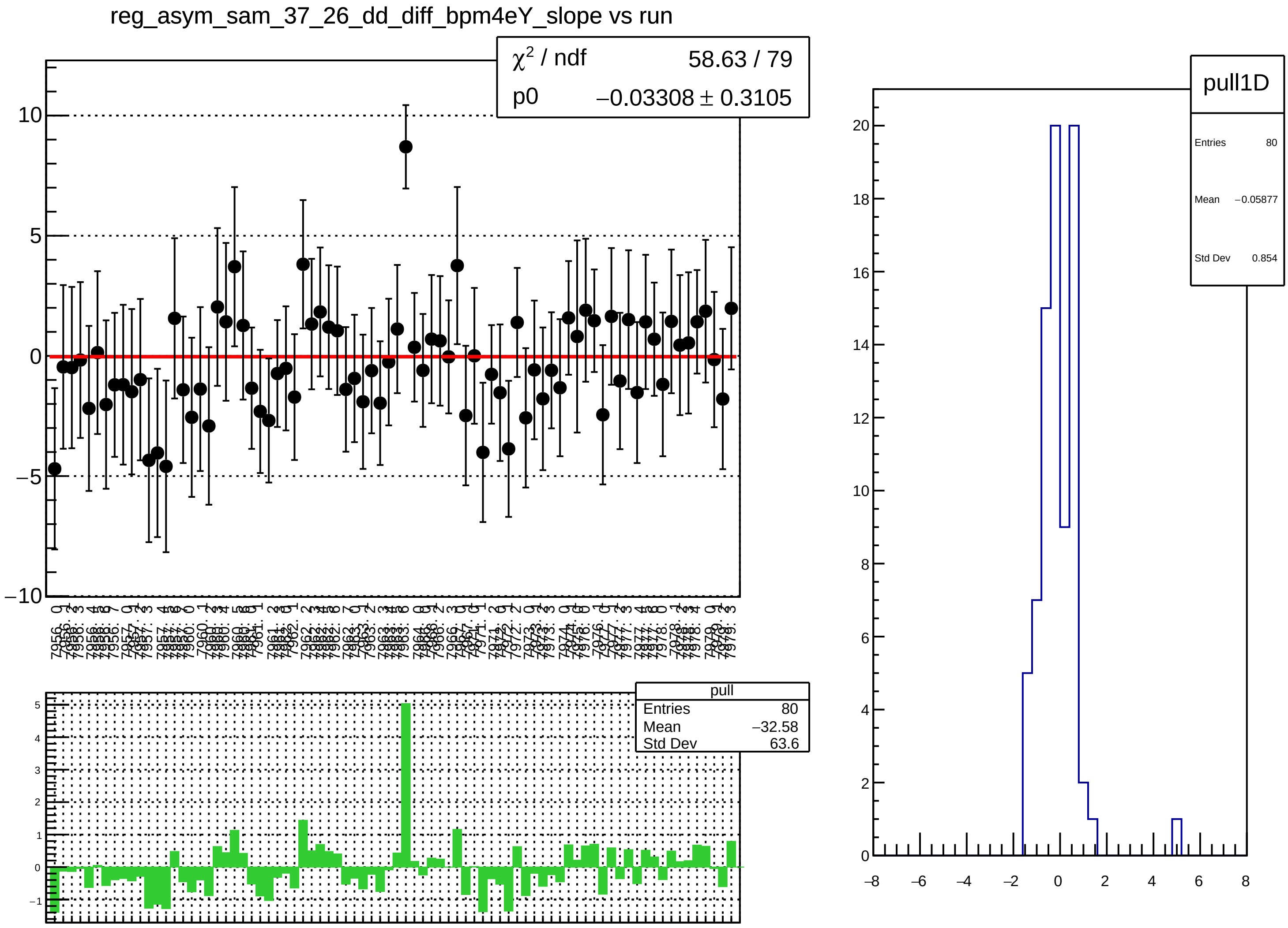
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 123.8 / 79
p0 −0.5971± 0.2623
pull
Entries 80
Mean −3.862
Std Dev 25.82
pull1D
Entries 80
Mean −0.2276
Std Dev 0.6694



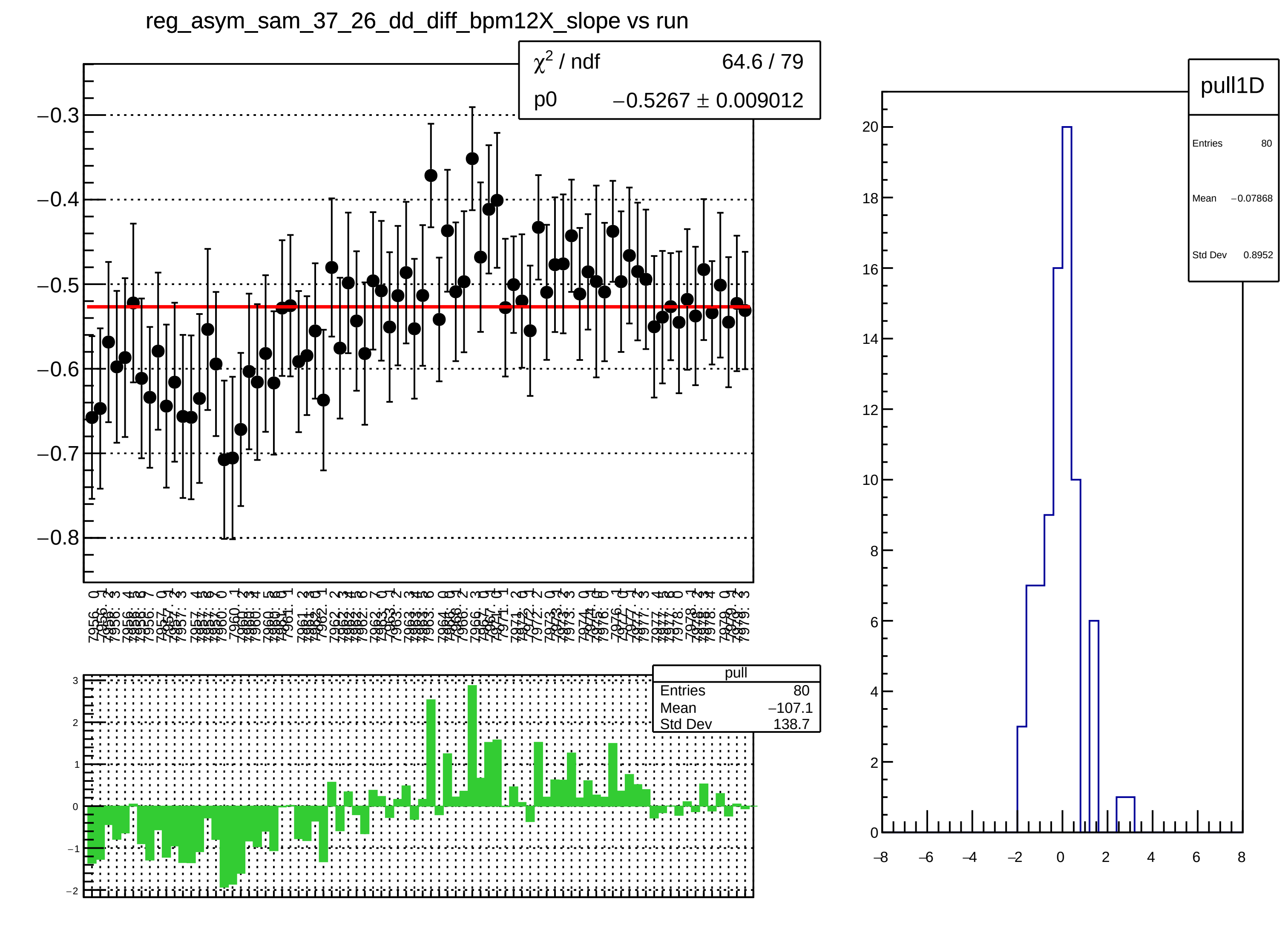
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 78.18 / 79
p0 21.32 ± 0.2711
pull
Entries 80
Mean 349.8
Std Dev 318
pull1D
Entries 80
Mean 0.02018
Std Dev 0.9883



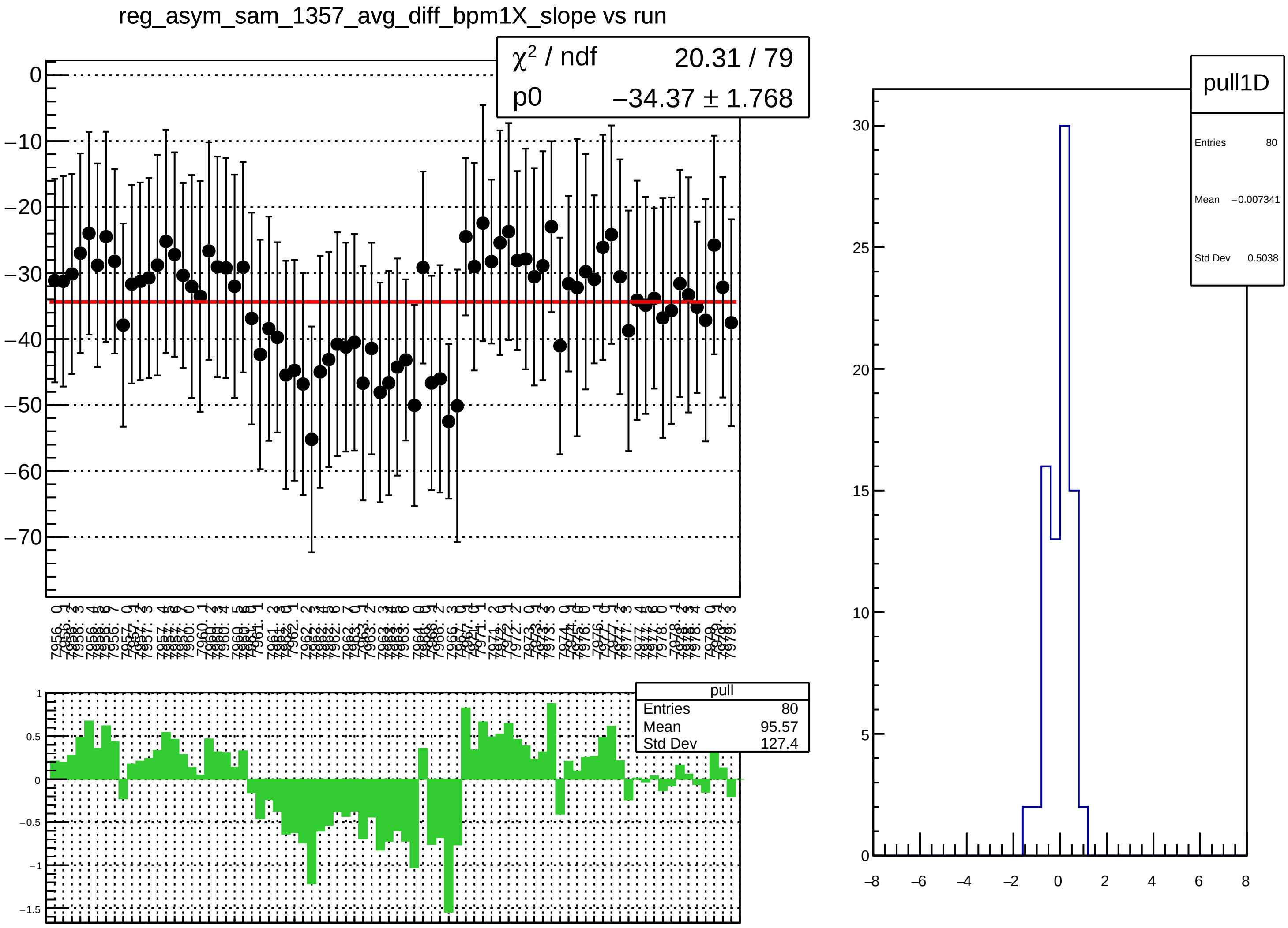
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 93.09 / 79
p0 −5.098 ± 0.2315
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 80
Mean 49.31
Std Dev 47.9
pull1D
Entries 80
Mean 0.1722
Std Dev 0.5511
30
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8



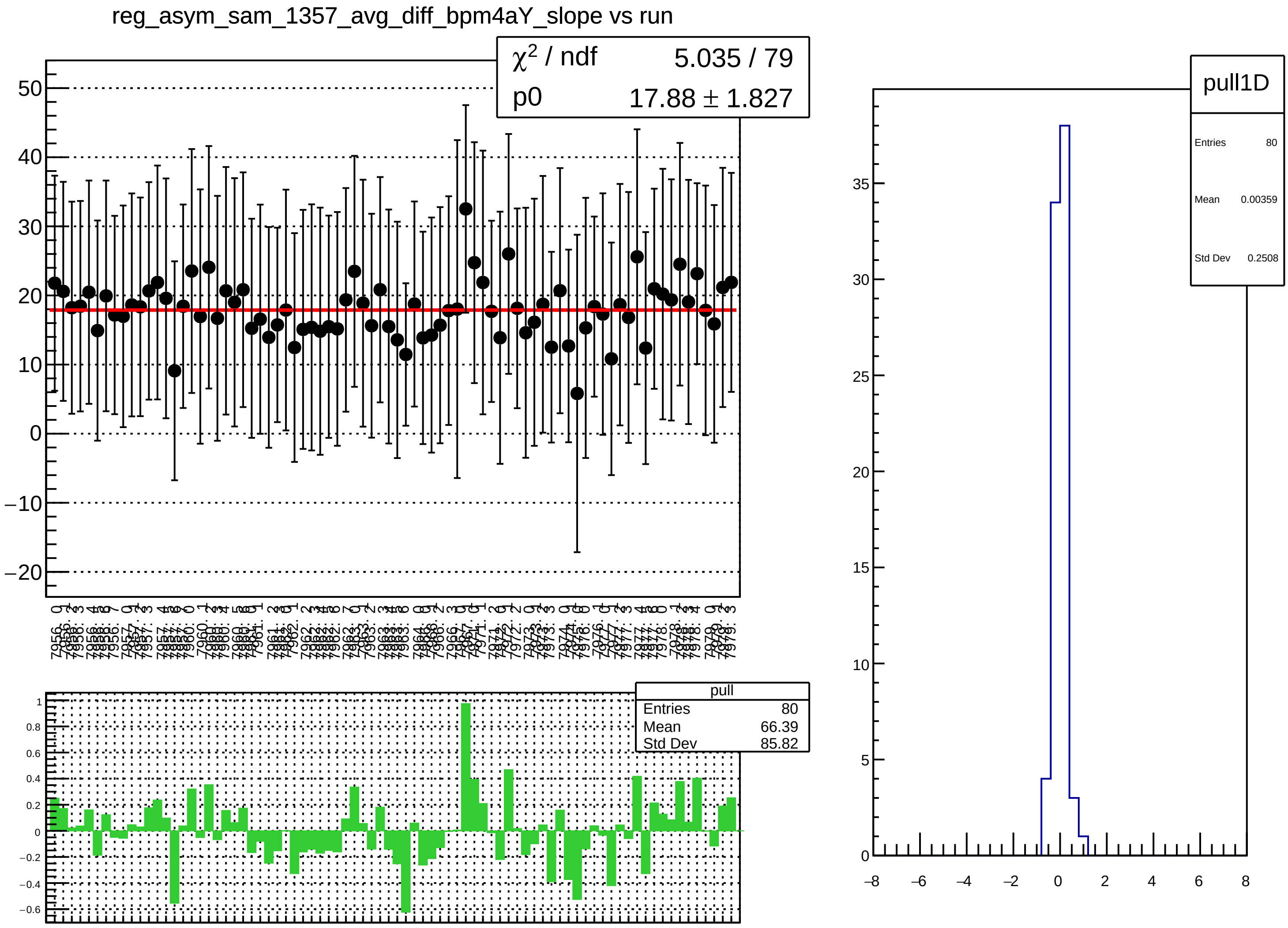
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 58.63 / 79
p0 −0.03308 ± 0.3105
pull
Entries 80
Mean −32.58
Std Dev 63.6
pull1D
Entries 80
Mean −0.05877
Std Dev 0.854



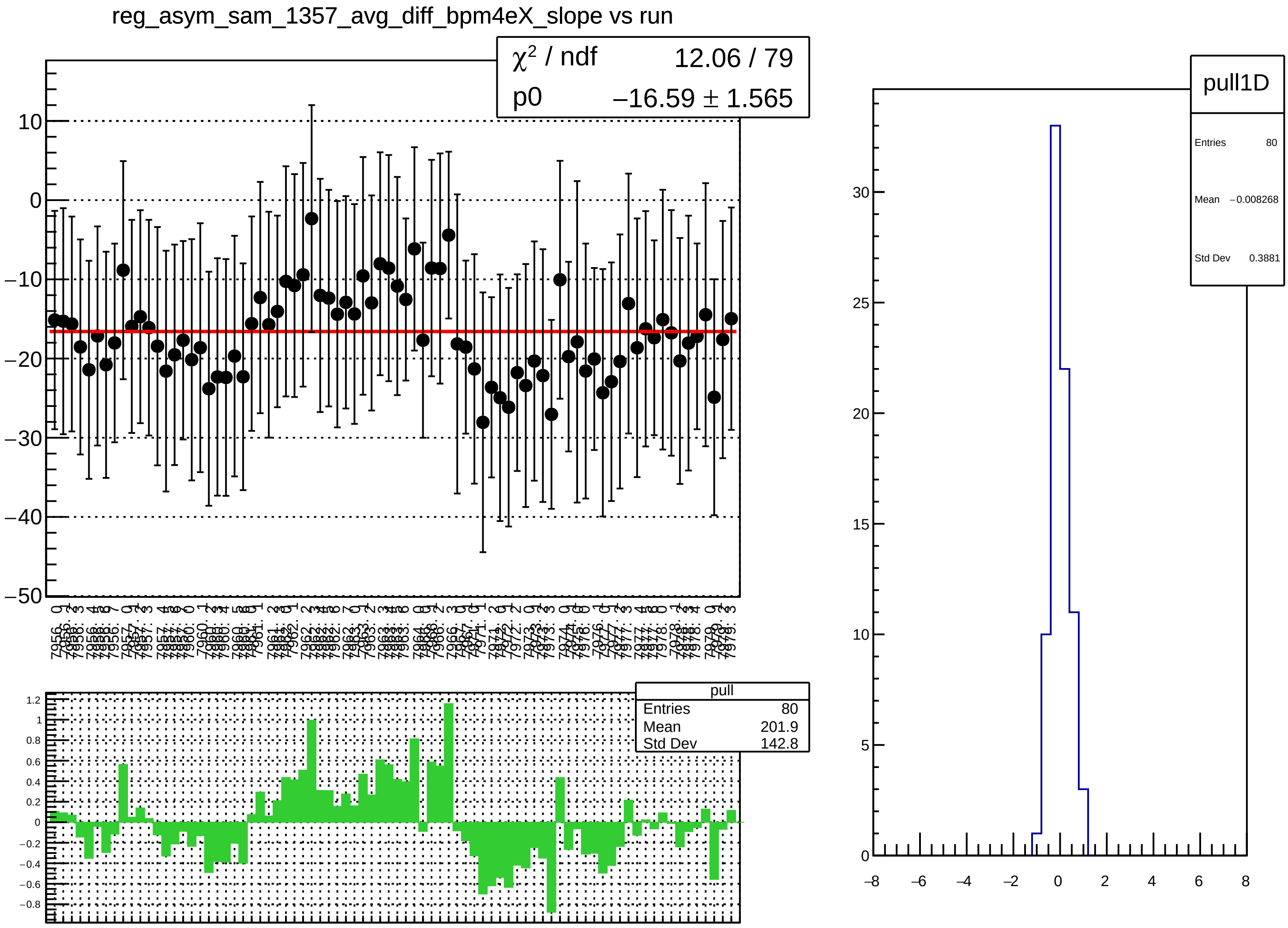
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 64.6 / 79
p0 −0.5267 ± 0.009012
pull
Entries 80
Mean −107.1
Std Dev 138.7
pull1D
Entries 80
Mean −0.07868
Std Dev 0.8952



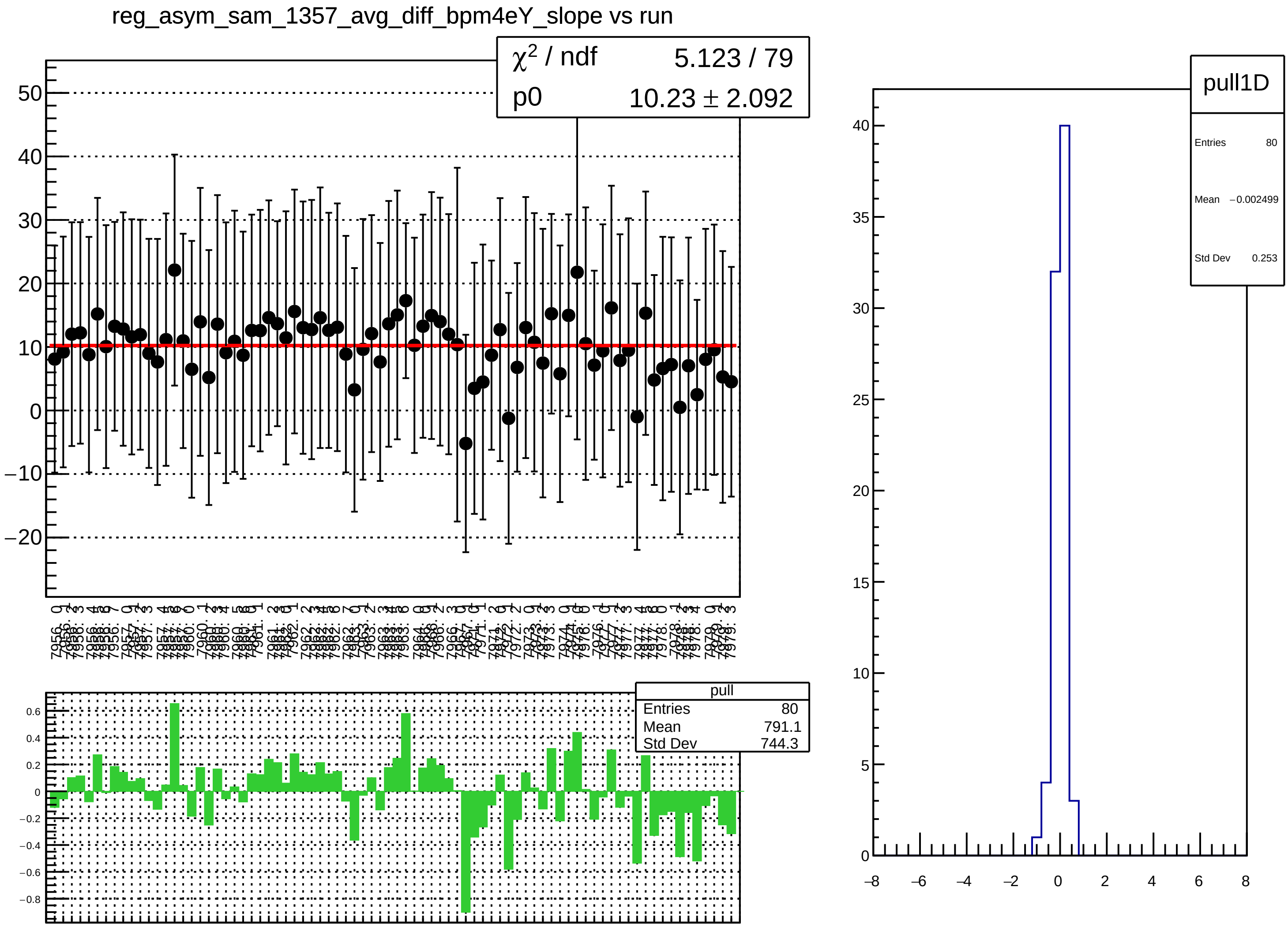
reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.31 / 79
p0 −34.37 ± 1.768
pull
Entries 80
Mean 95.57
Std Dev 127.4
pull1D
Entries 80
Mean −0.007341
Std Dev 0.5038



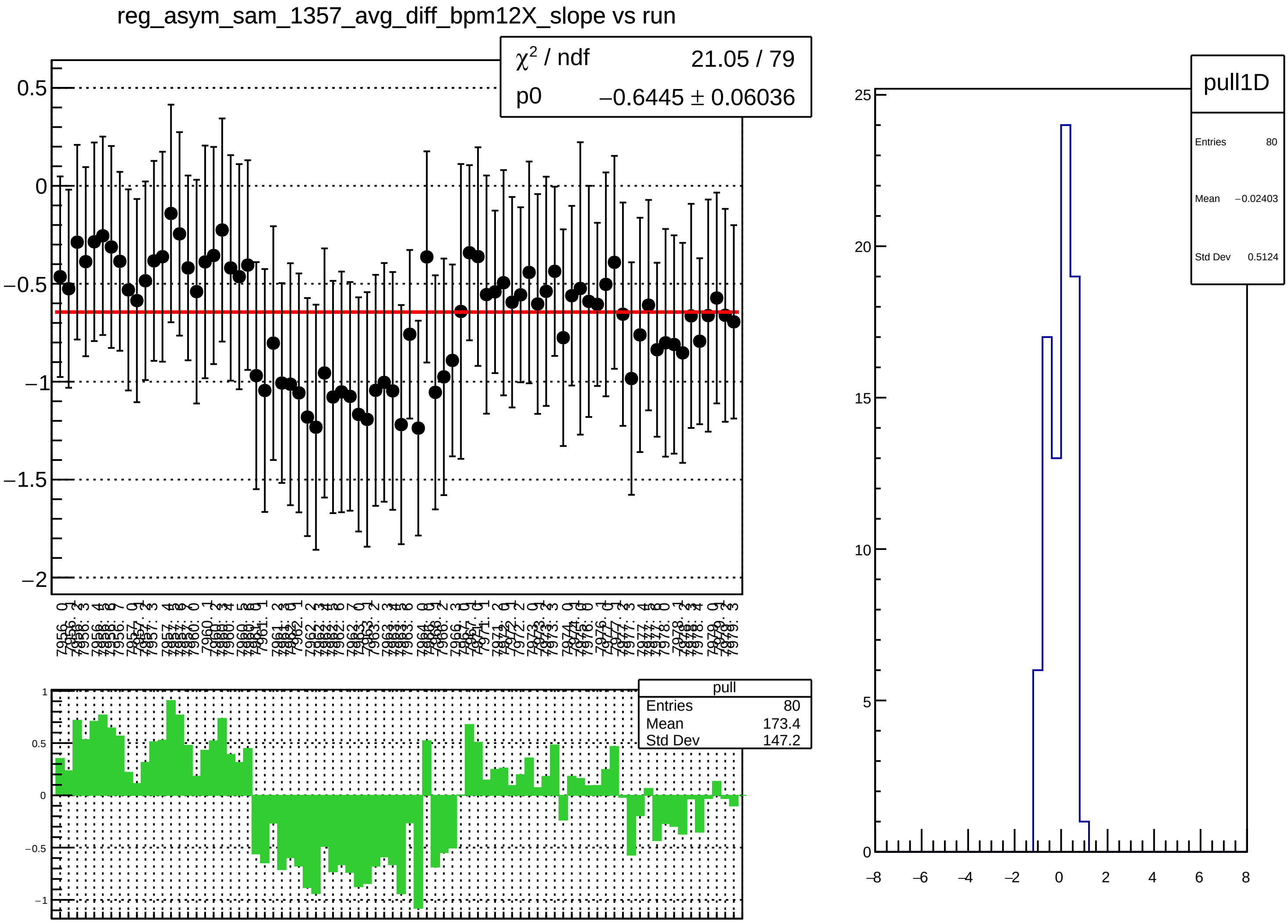
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.035 / 79
p0 17.88 ± 1.827
pull
Entries 80
Mean 66.39
Std Dev 85.82
pull1D
Entries 80
Mean 0.00359
Std Dev 0.2508



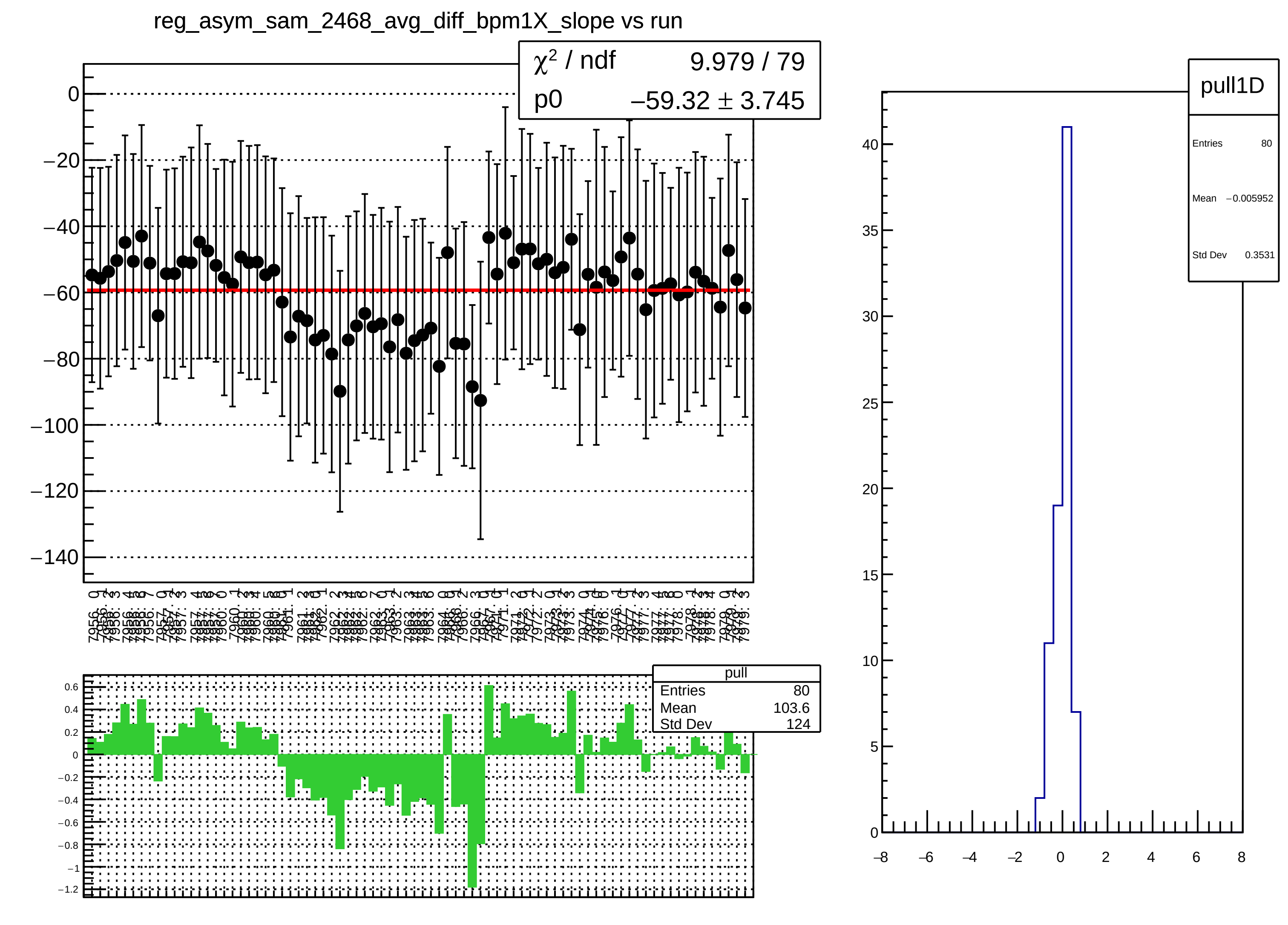
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.06 / 79
p0 −16.59 ± 1.565
pull
Entries 80
Mean 201.9
Std Dev 142.8
pull1D
Entries 80
Mean −0.008268
Std Dev 0.3881



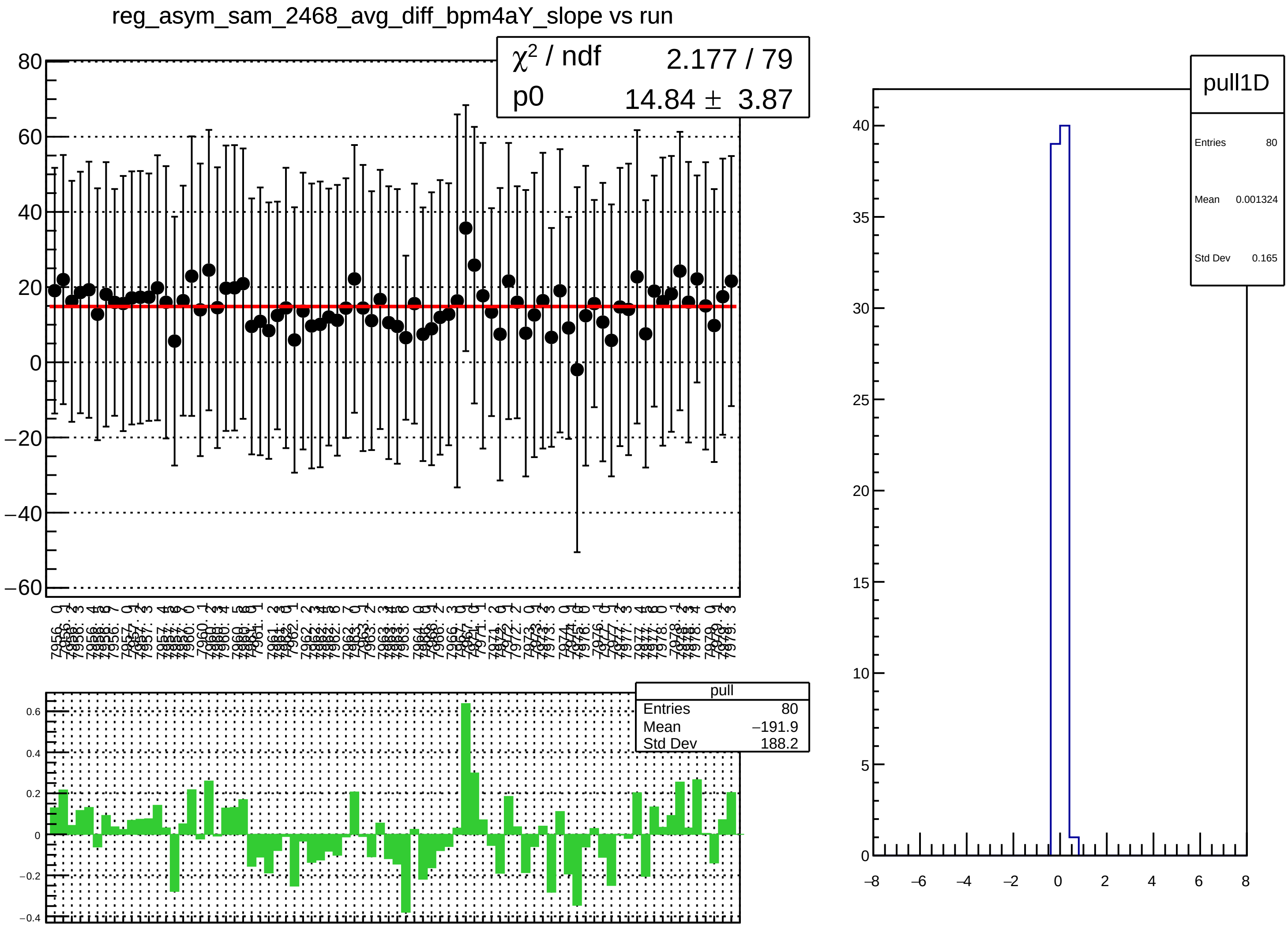
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.123 / 79
p0 10.23 ± 2.092
pull
Entries 80
Mean 791.1
Std Dev 744.3
pull1D
Entries 80
Mean −0.002499
Std Dev 0.253



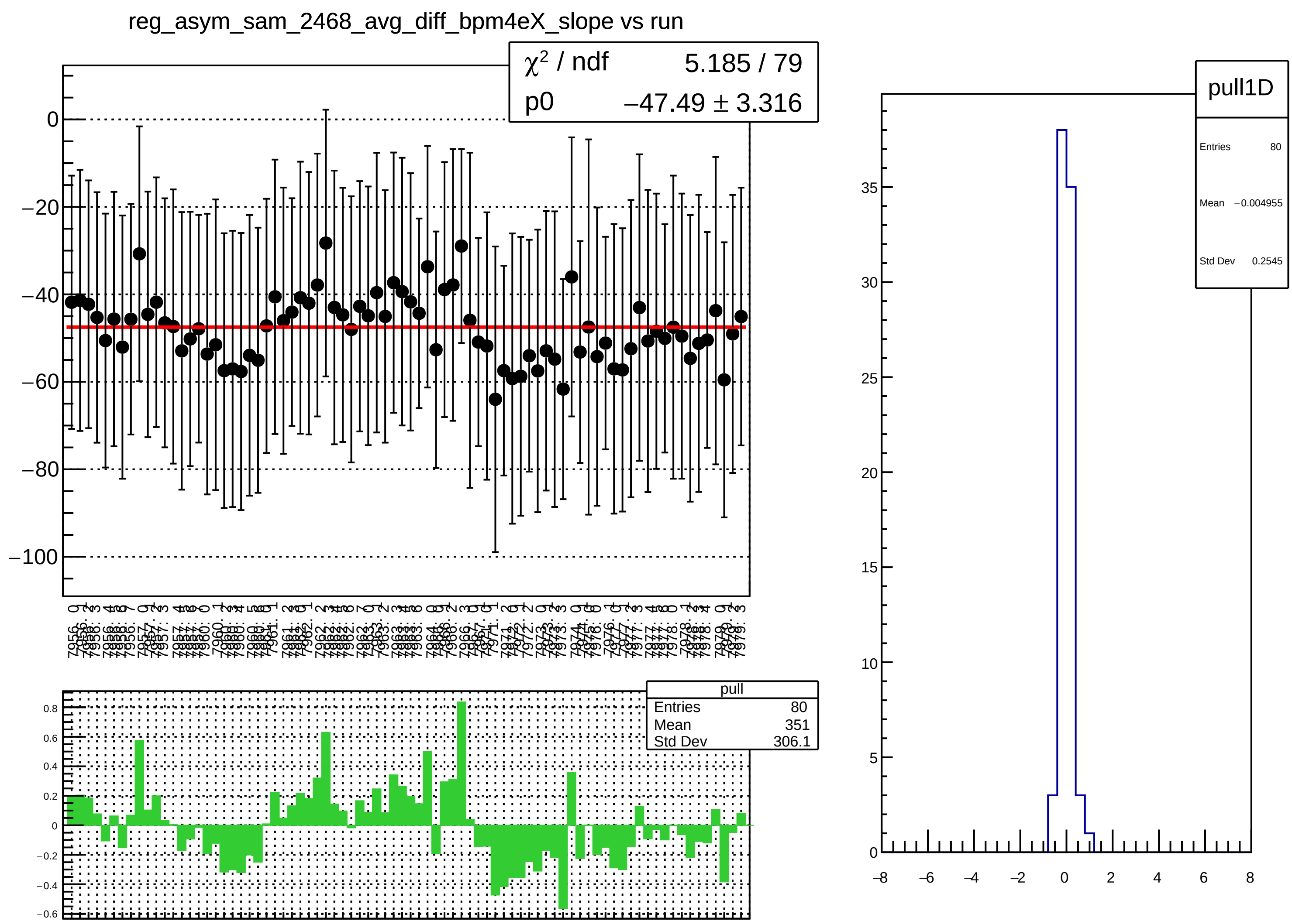
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.05 / 79
p0 −0.6445 ± 0.06036
pull
Entries 80
Mean 173.4
Std Dev 147.2
pull1D
Entries 80
Mean −0.02403
Std Dev 0.5124



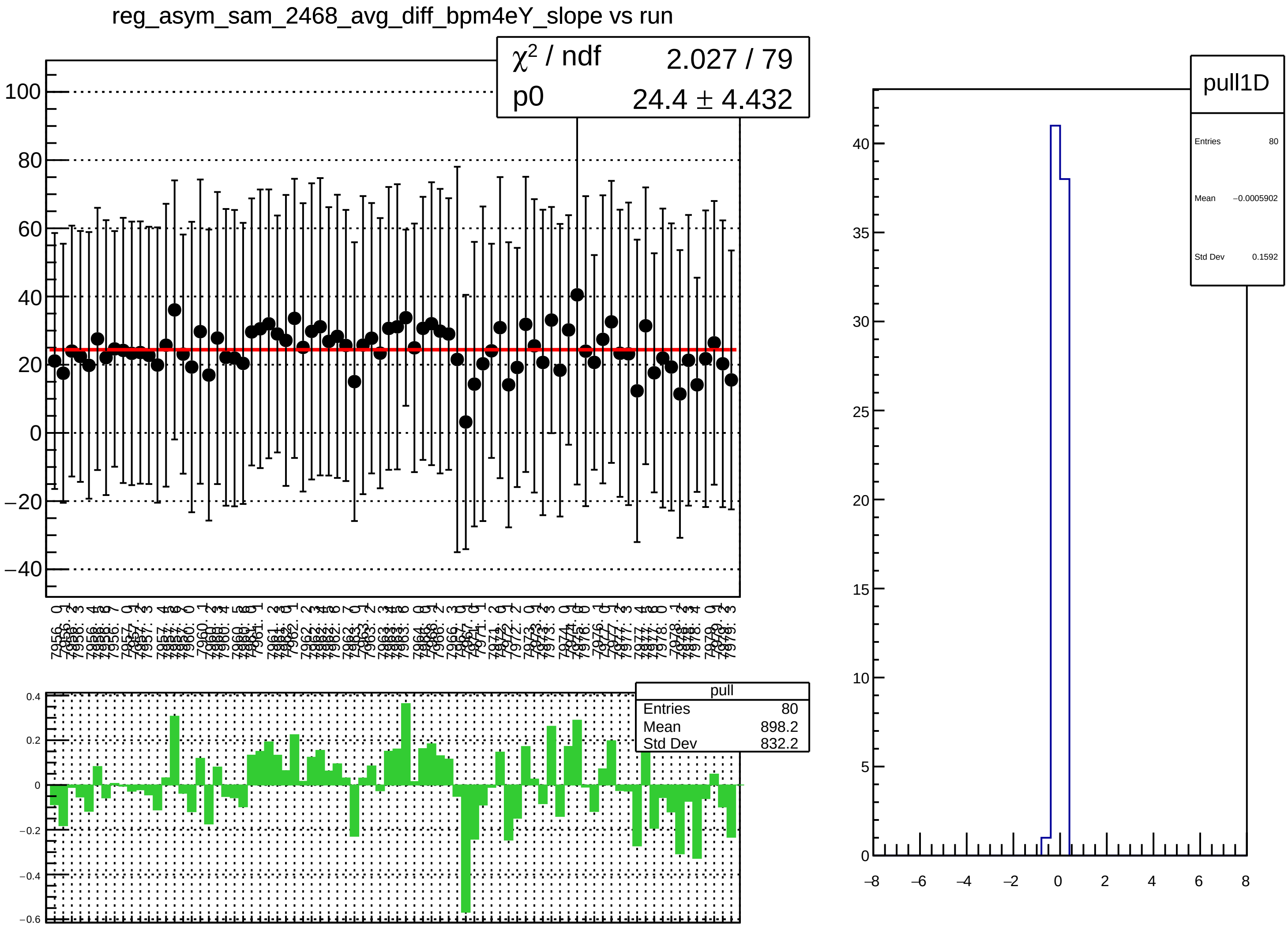
reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.979 / 79
p0 −59.32 ± 3.745
pull
Entries 80
Mean 103.6
Std Dev 124
pull1D
Entries 80
Mean −0.005952
Std Dev 0.3531



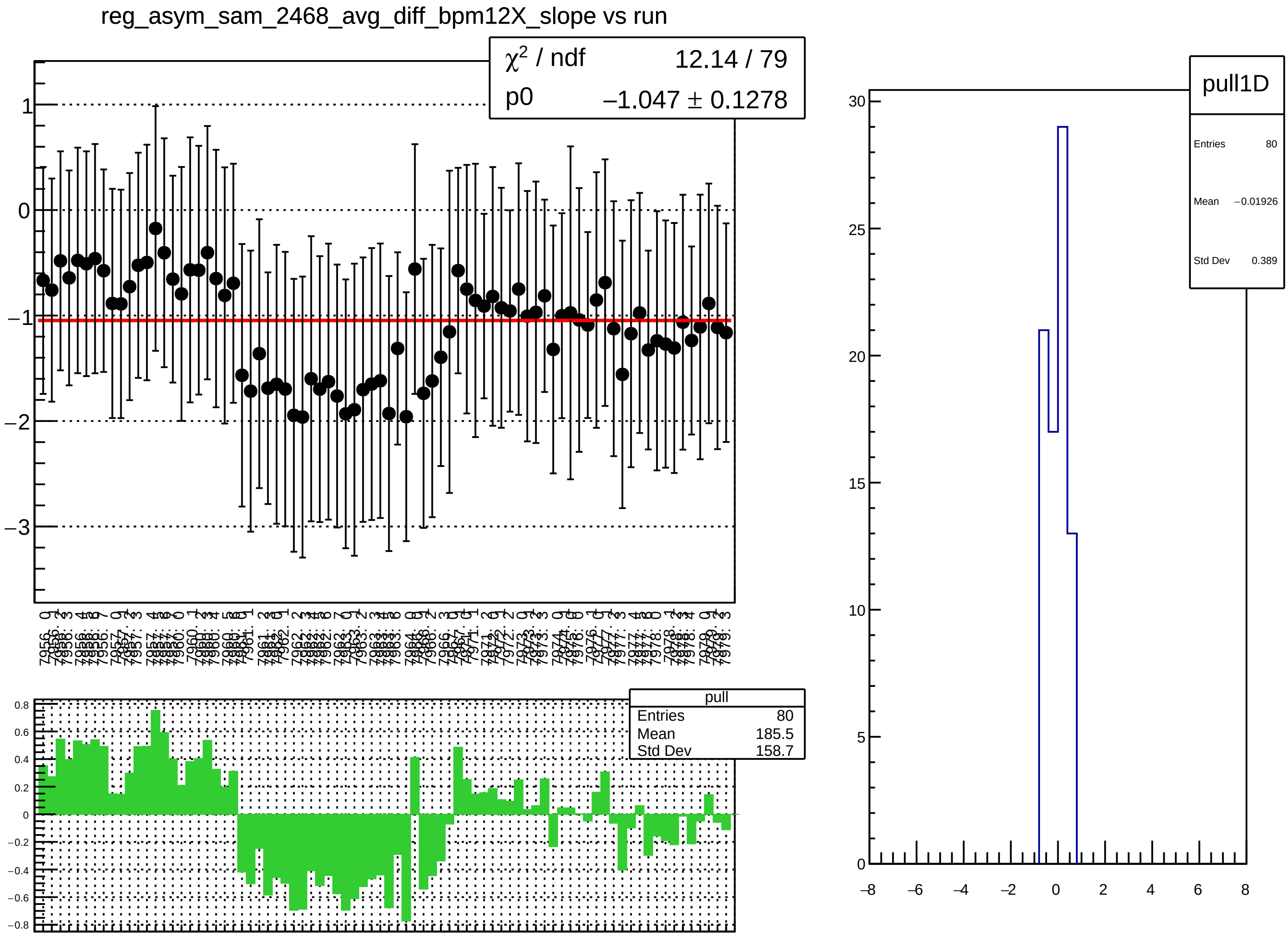
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ2 / ndf 2.177 / 79
p0 14.84 ± 3.87
pull
Entries 80
Mean −191.9
Std Dev 188.2
pull1D
Entries 80
Mean 0.001324
Std Dev 0.165



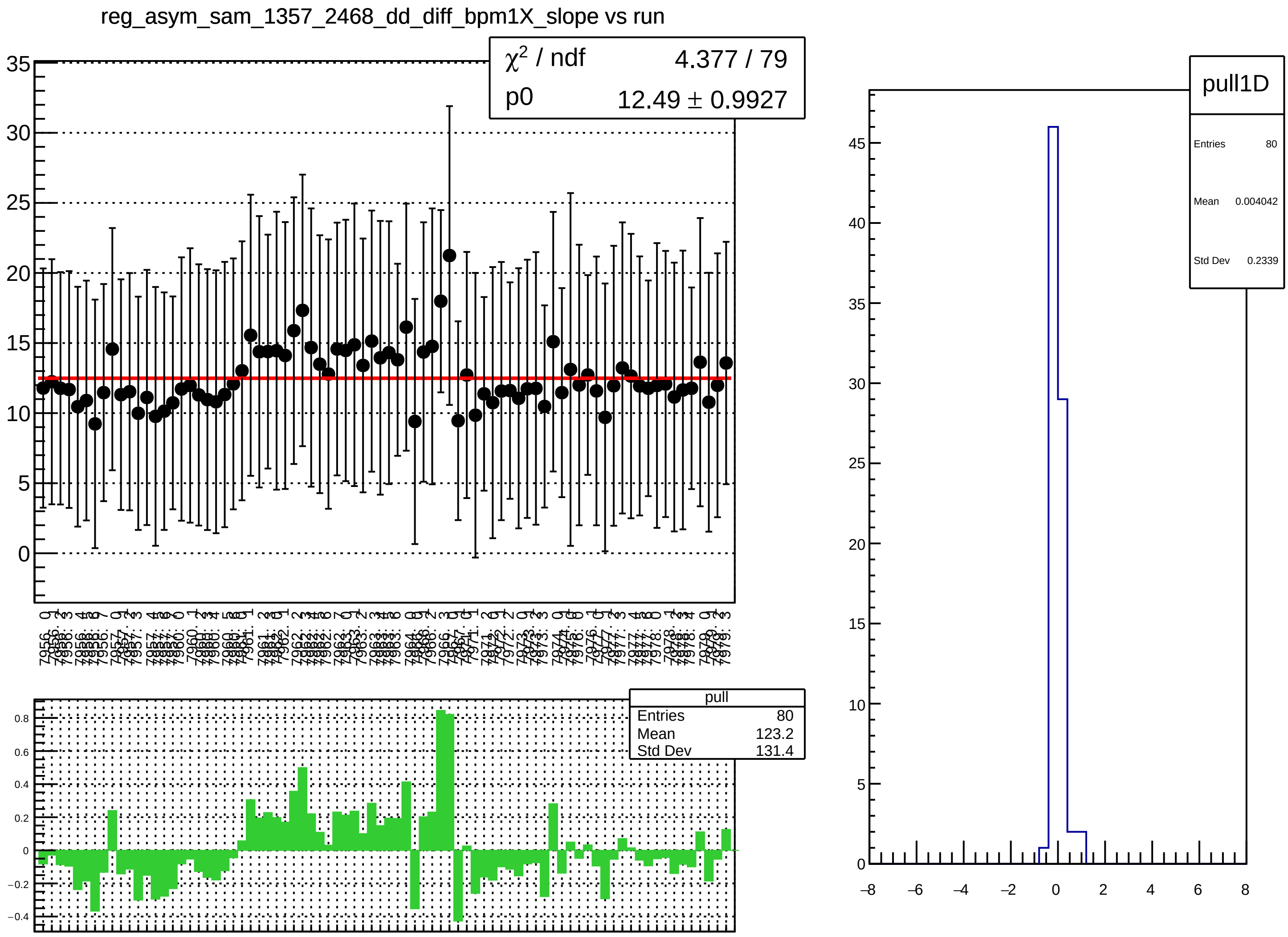
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.185 / 79
p0 −47.49 ± 3.316
pull
Entries 80
Mean 351
Std Dev 306.1
pull1D
Entries 80
Mean −0.004955
Std Dev 0.2545



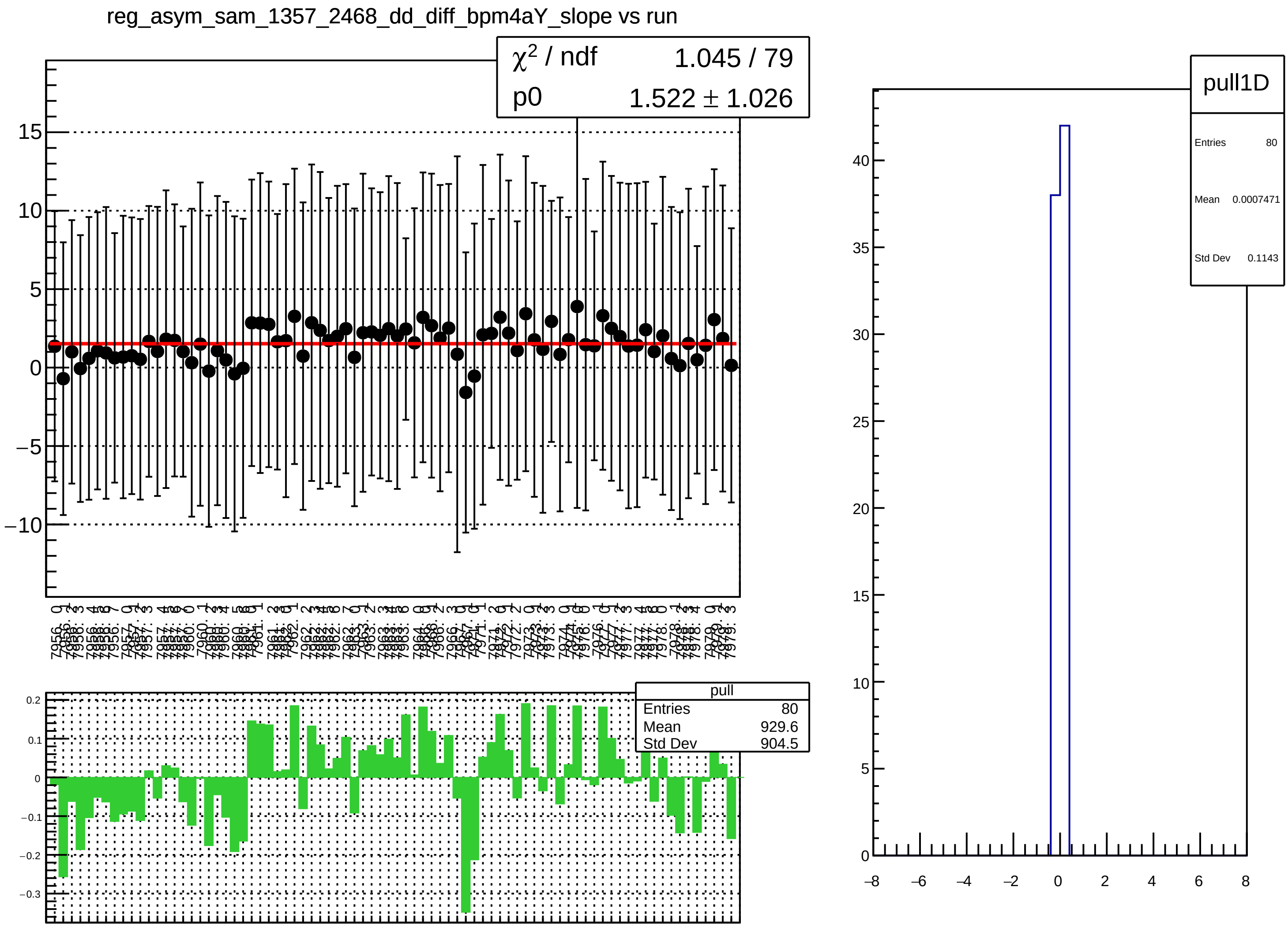
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.027 / 79
p0 24.4 ± 4.432
pull
Entries 80
Mean 898.2
Std Dev 832.2
pull1D
Entries 80
Mean −0.0005902
Std Dev 0.1592



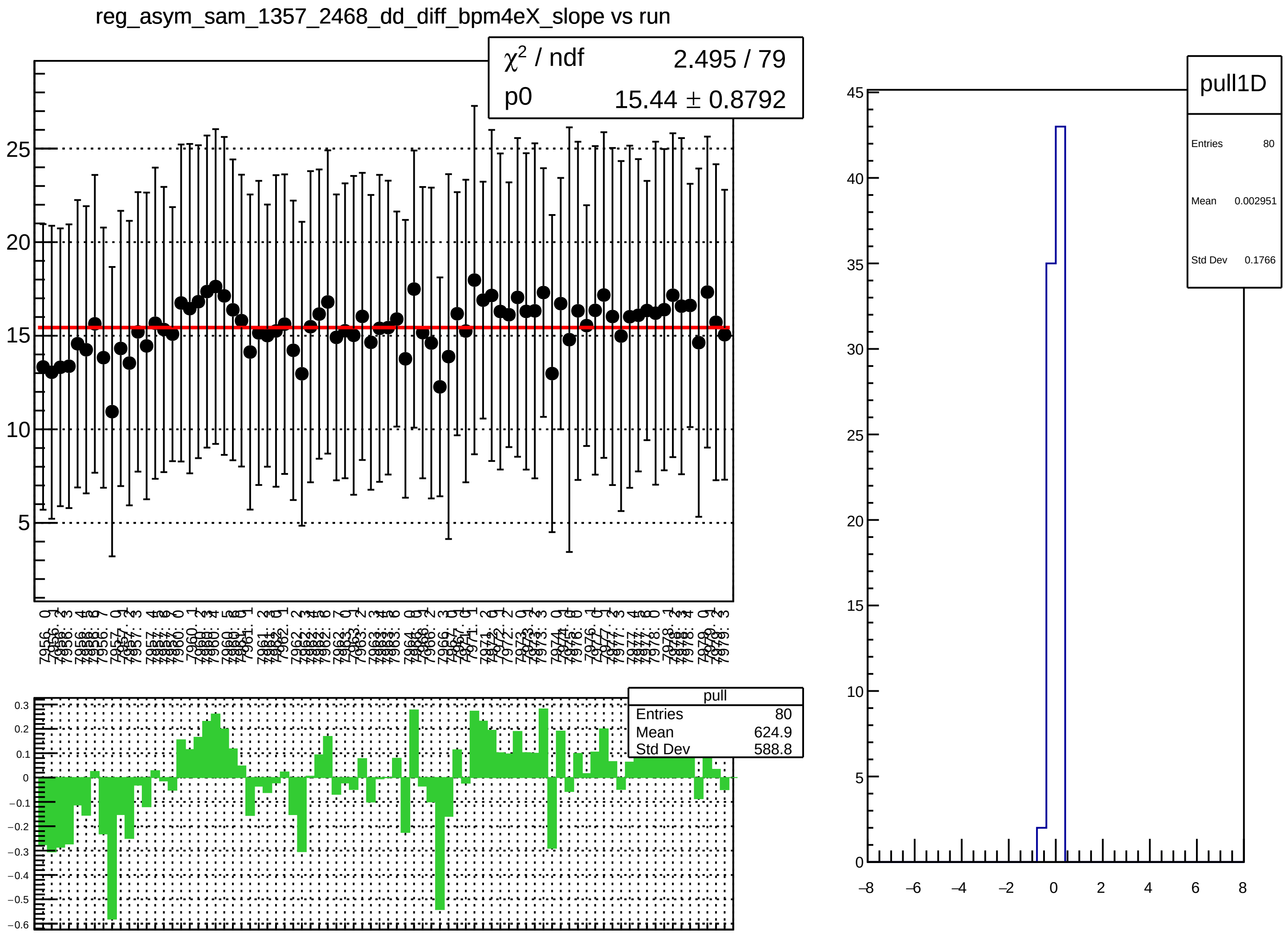
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.14 / 79
p0 −1.047 ± 0.1278
pull
Entries 80
Mean 185.5
Std Dev 158.7
pull1D
Entries 80
Mean −0.01926
Std Dev 0.389



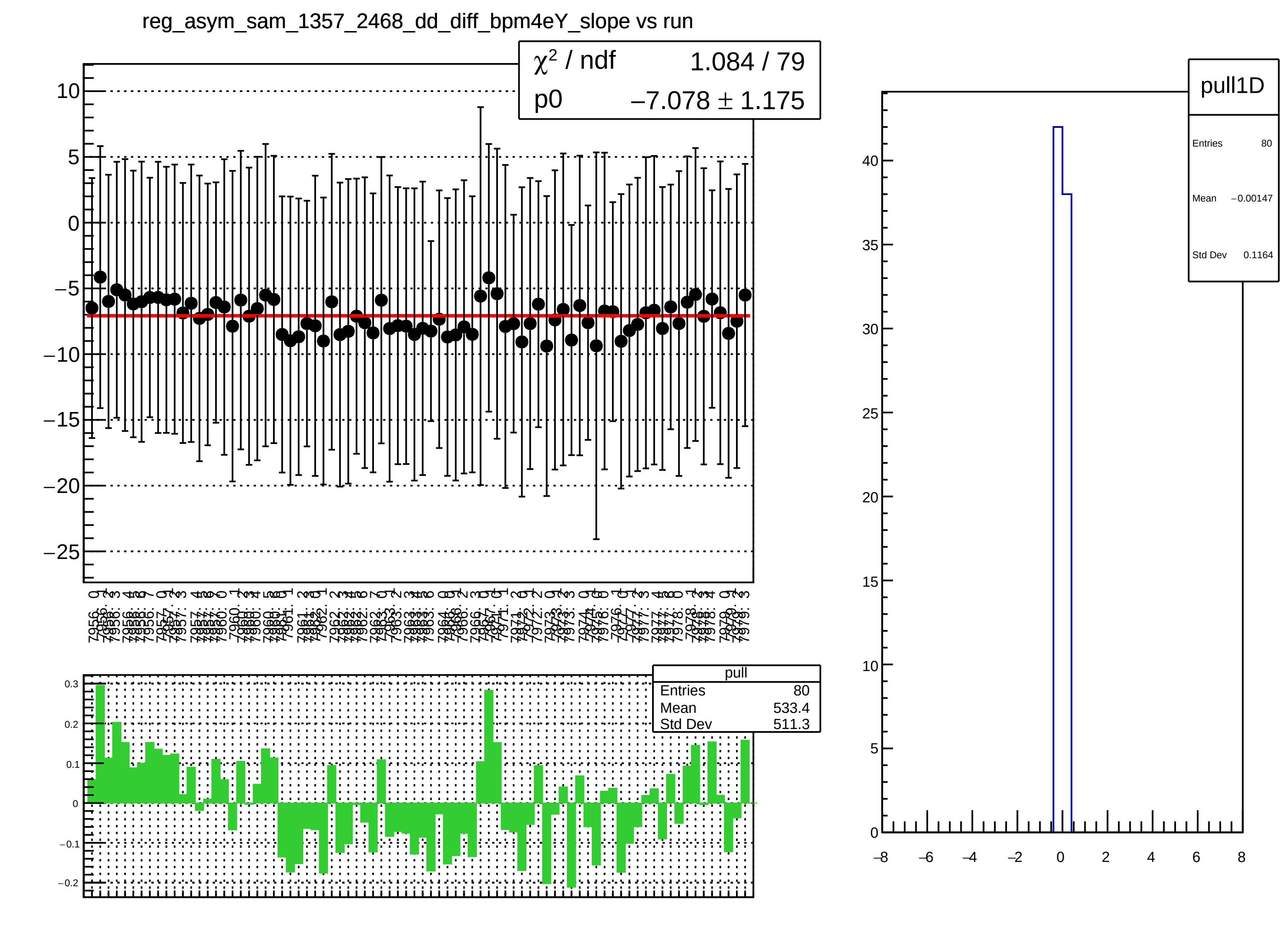
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.377 / 79
p0 12.49 ± 0.9927
pull
Entries 80
Mean 123.2
Std Dev 131.4
pull1D
Entries 80
Mean 0.004042
Std Dev 0.2339



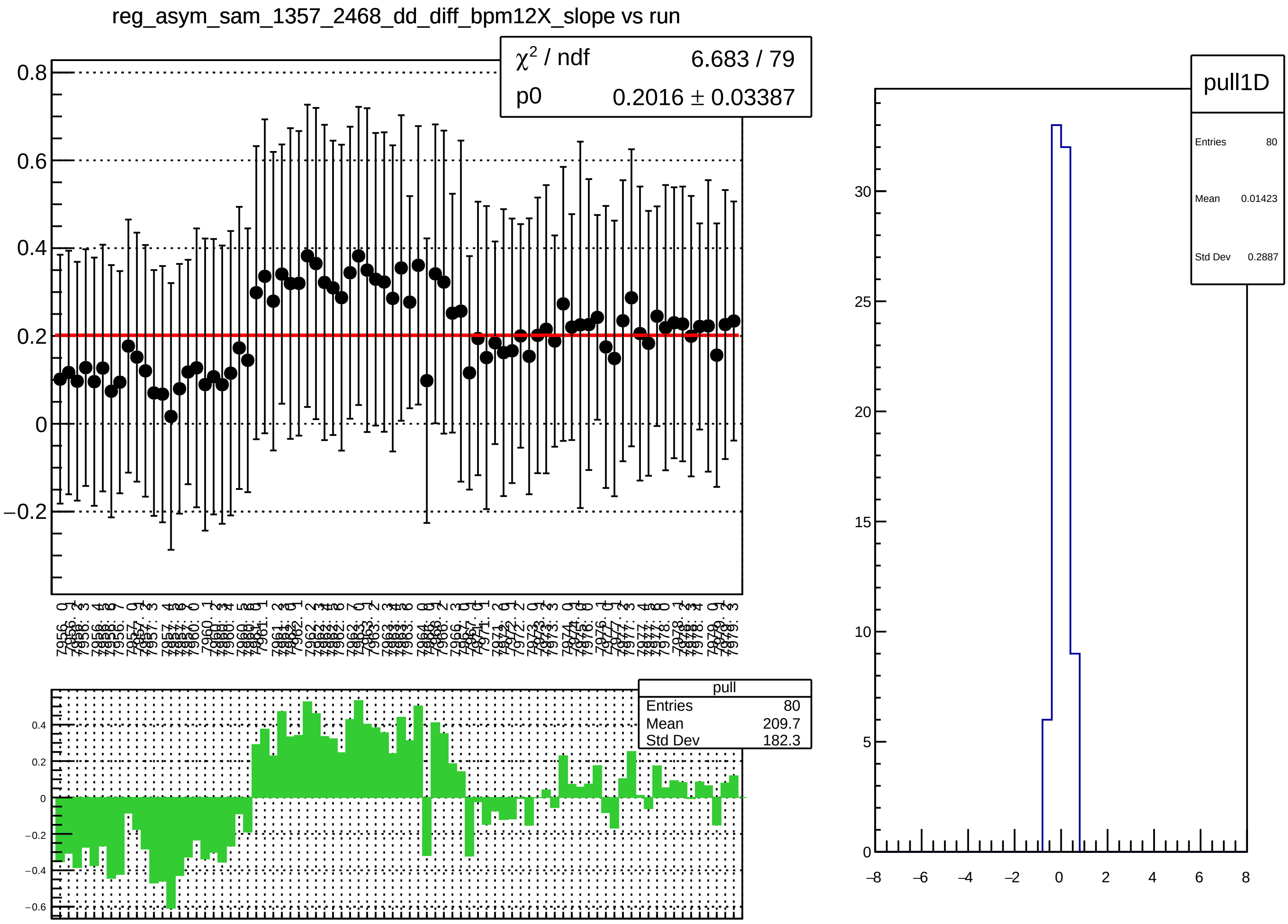
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.045 / 79
p0 1.522 ± 1.026
pull
Entries 80
Mean 929.6
Std Dev 904.5
pull1D
Entries 80
Mean 0.0007471
Std Dev 0.1143



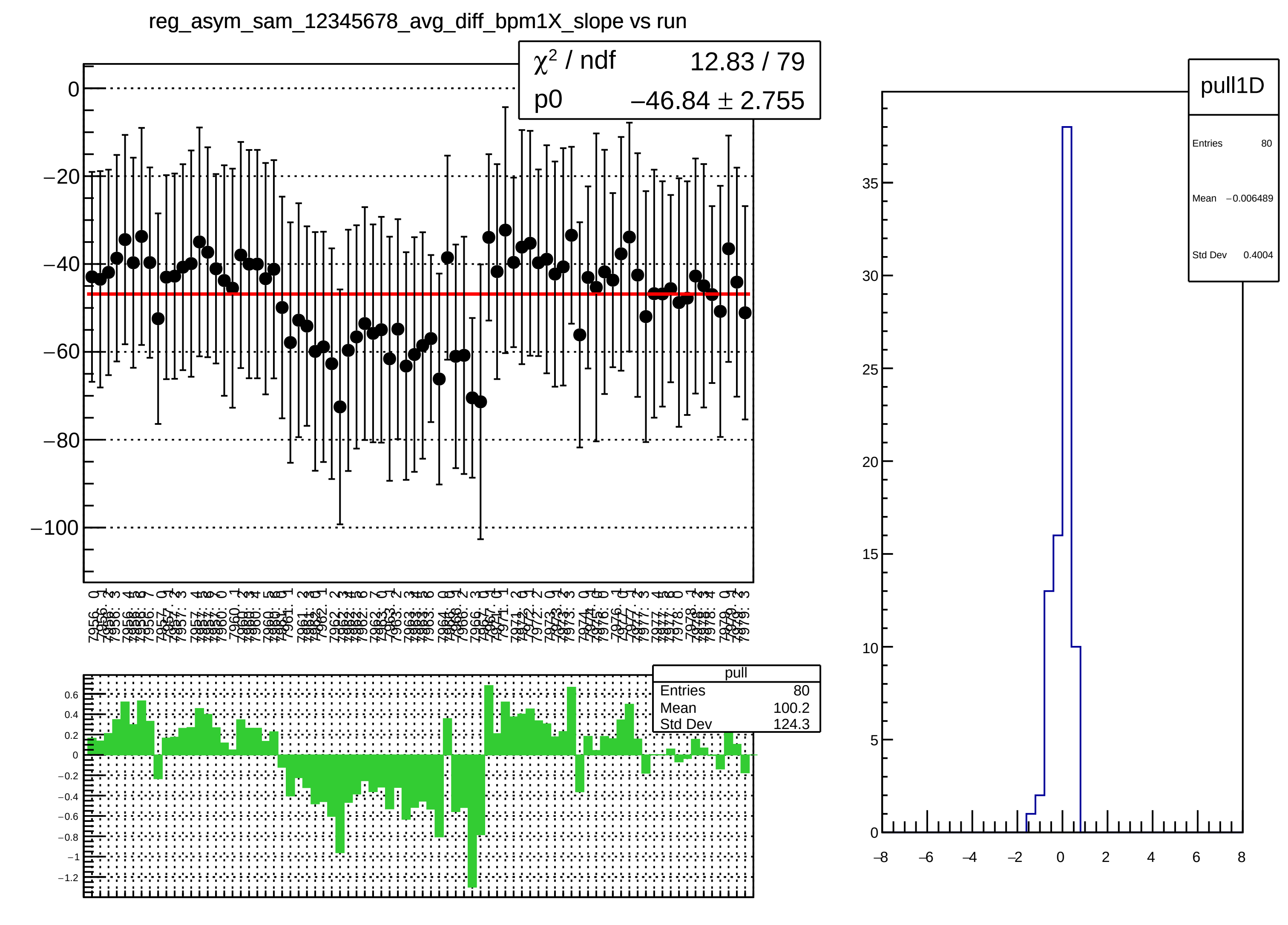
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ2 / ndf 2.495 / 79
p0 15.44 ± 0.8792
pull
Entries 80
Mean 624.9
Std Dev 588.8
pull1D
Entries 80
Mean 0.002951
Std Dev 0.1766



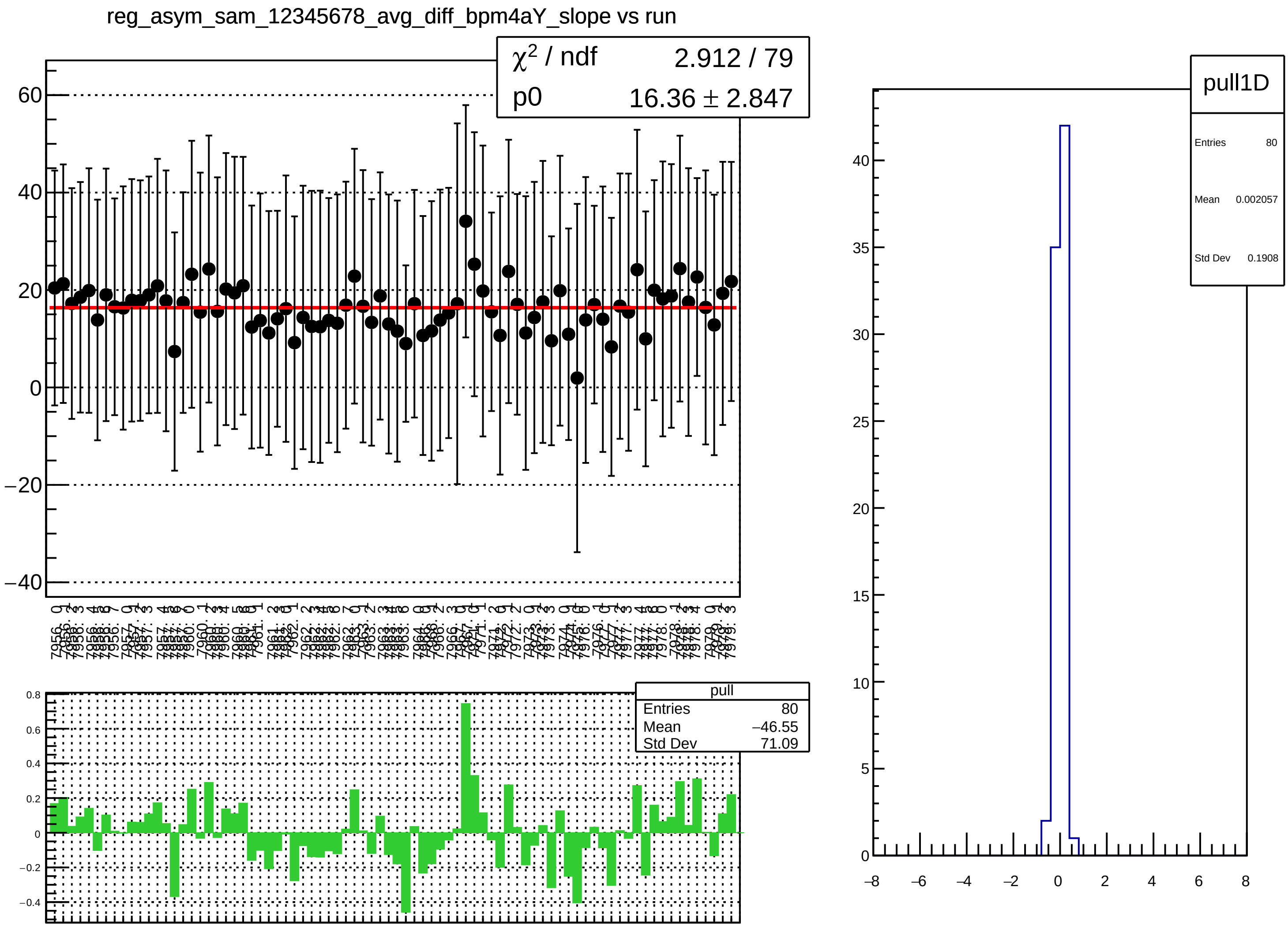
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.084 / 79
p0 −7.078 ± 1.175
pull
Entries 80
Mean 533.4
Std Dev 511.3
pull1D
Entries 80
Mean −0.00147
Std Dev 0.1164



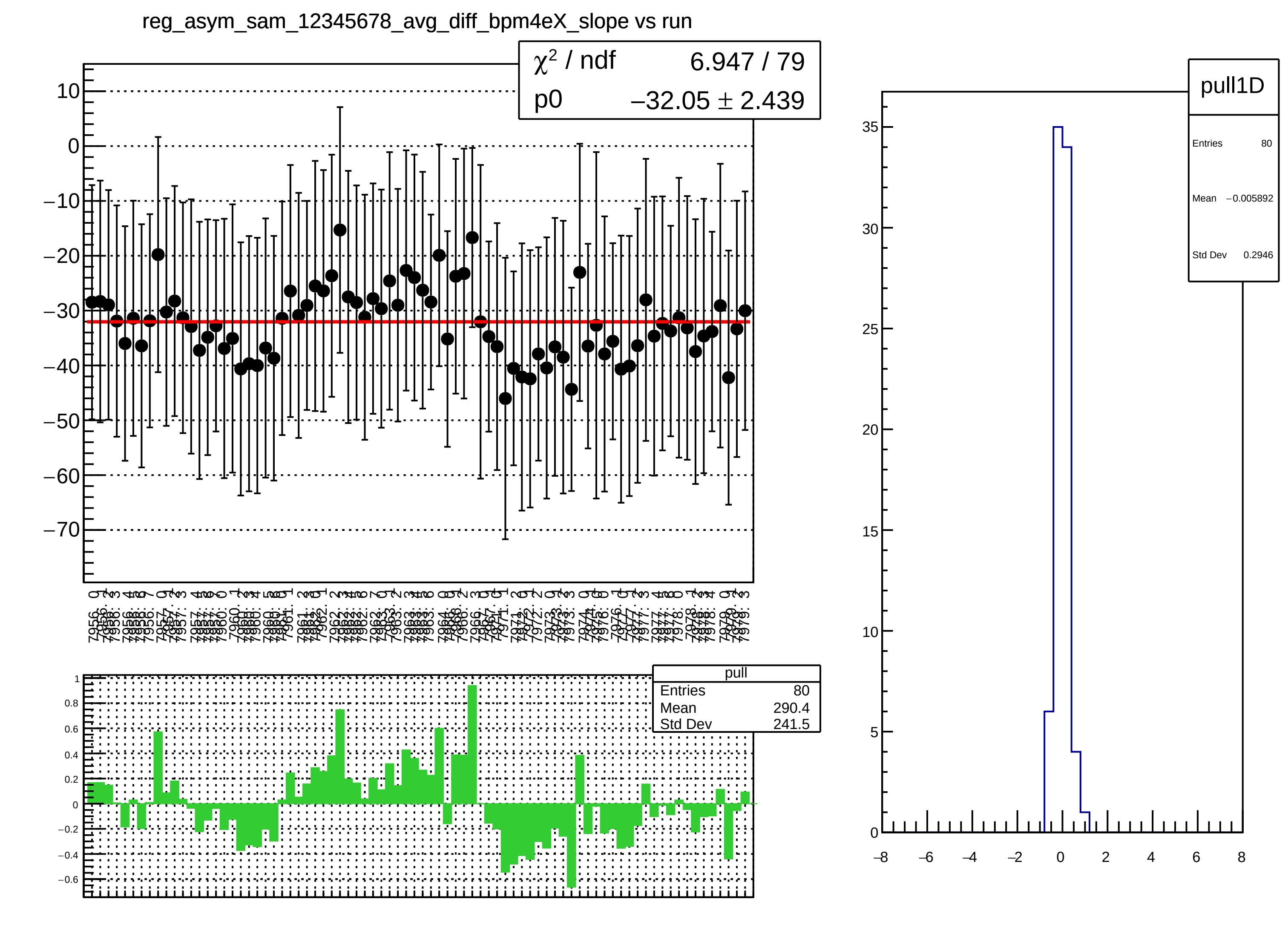
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.683 / 79
p0 0.2016 ± 0.03387
pull
Entries 80
Mean 209.7
Std Dev 182.3
pull1D
Entries 80
Mean 0.01423
Std Dev 0.2887



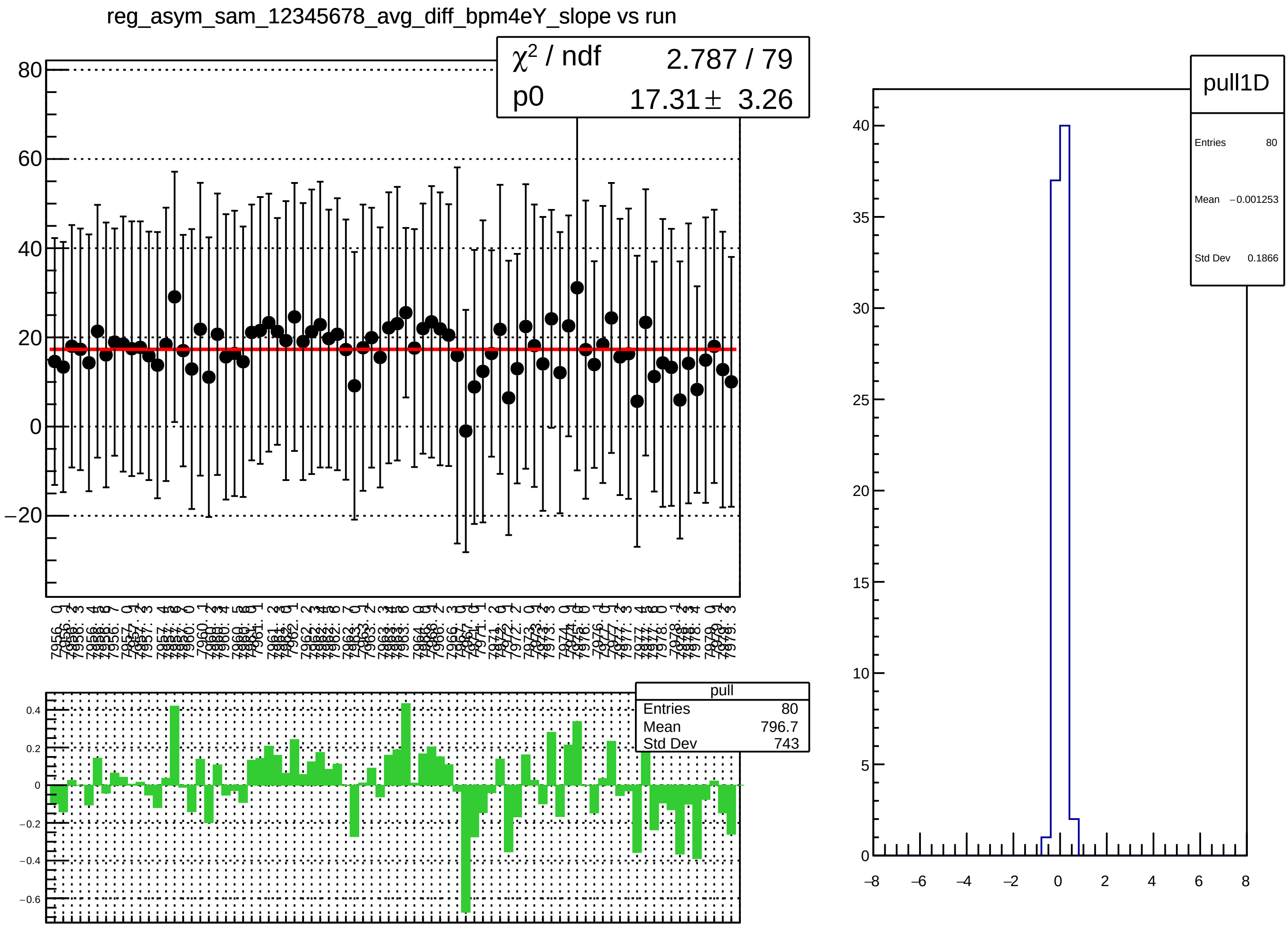
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.83 / 79
p0 −46.84 ± 2.755
pull
Entries 80
Mean 100.2
Std Dev 124.3
pull1D
Entries 80
Mean −0.006489
Std Dev 0.4004



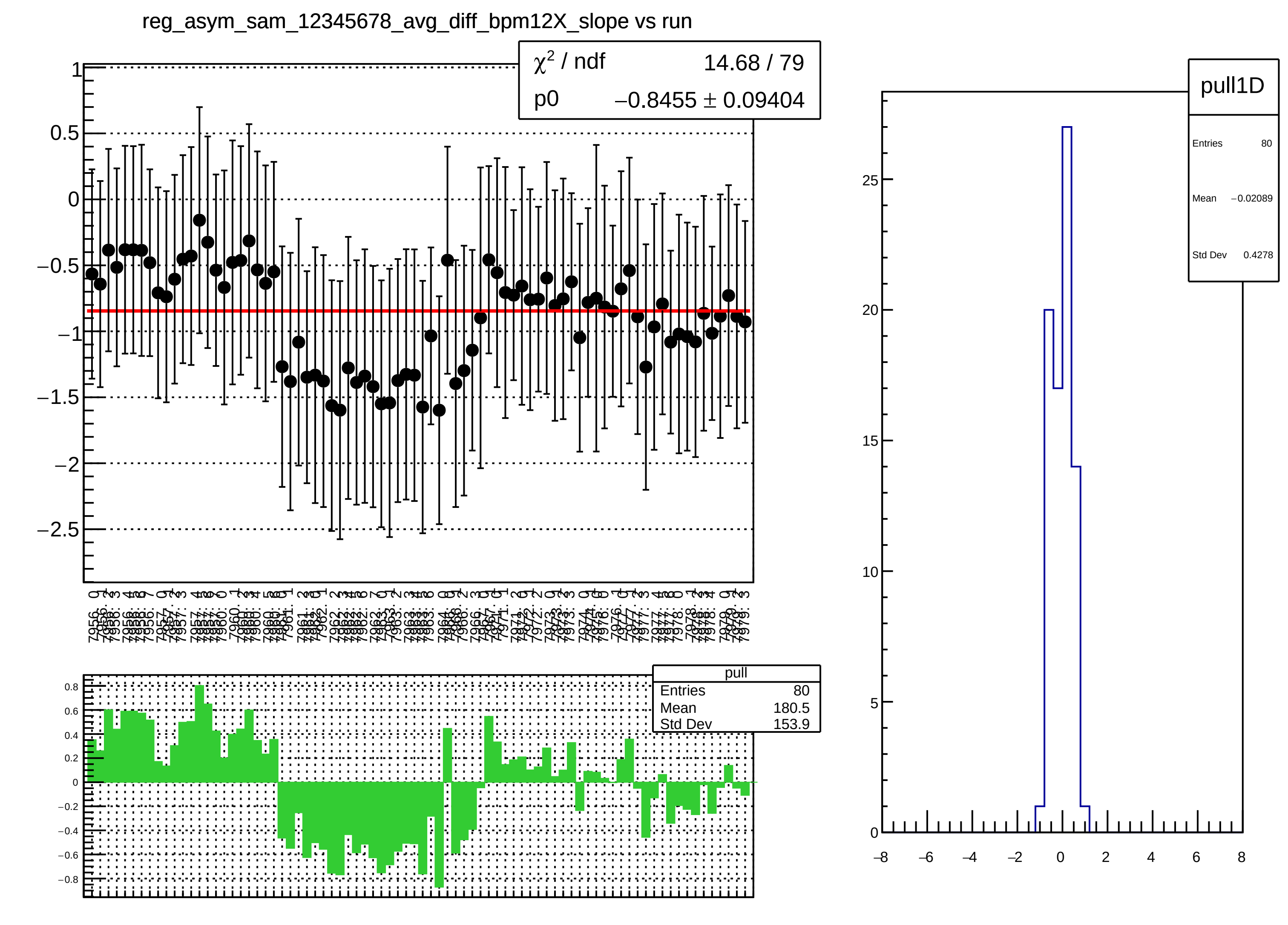
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.912 / 79
p0 16.36 ± 2.847
pull
Entries 80
Mean −46.55
Std Dev 71.09
pull1D
Entries 80
Mean 0.002057
Std Dev 0.1908



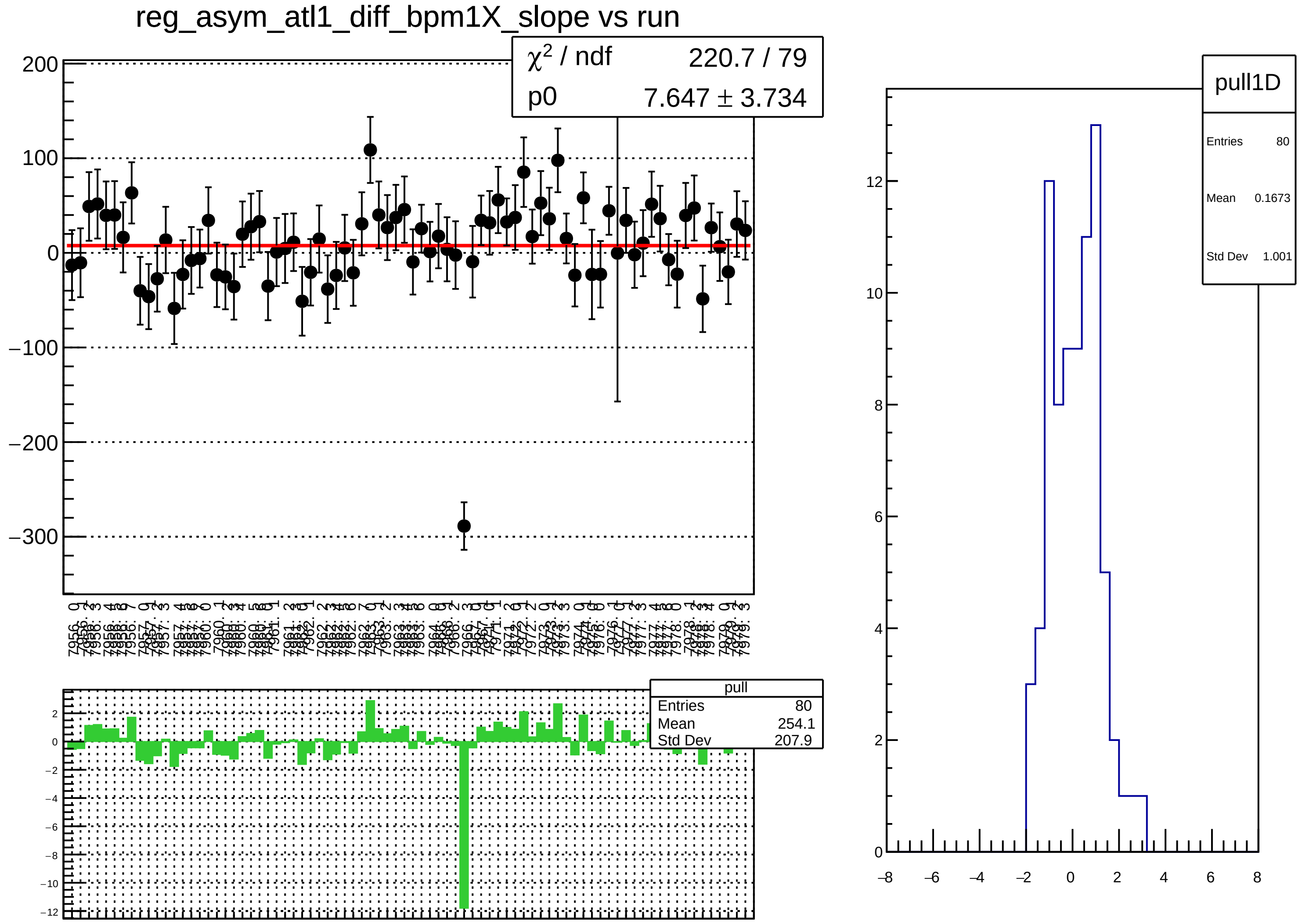
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 6.947 / 79
p0 −32.05 ± 2.439
pull
Entries 80
Mean 290.4
Std Dev 241.5
pull1D
Entries 80
Mean −0.005892
Std Dev 0.2946



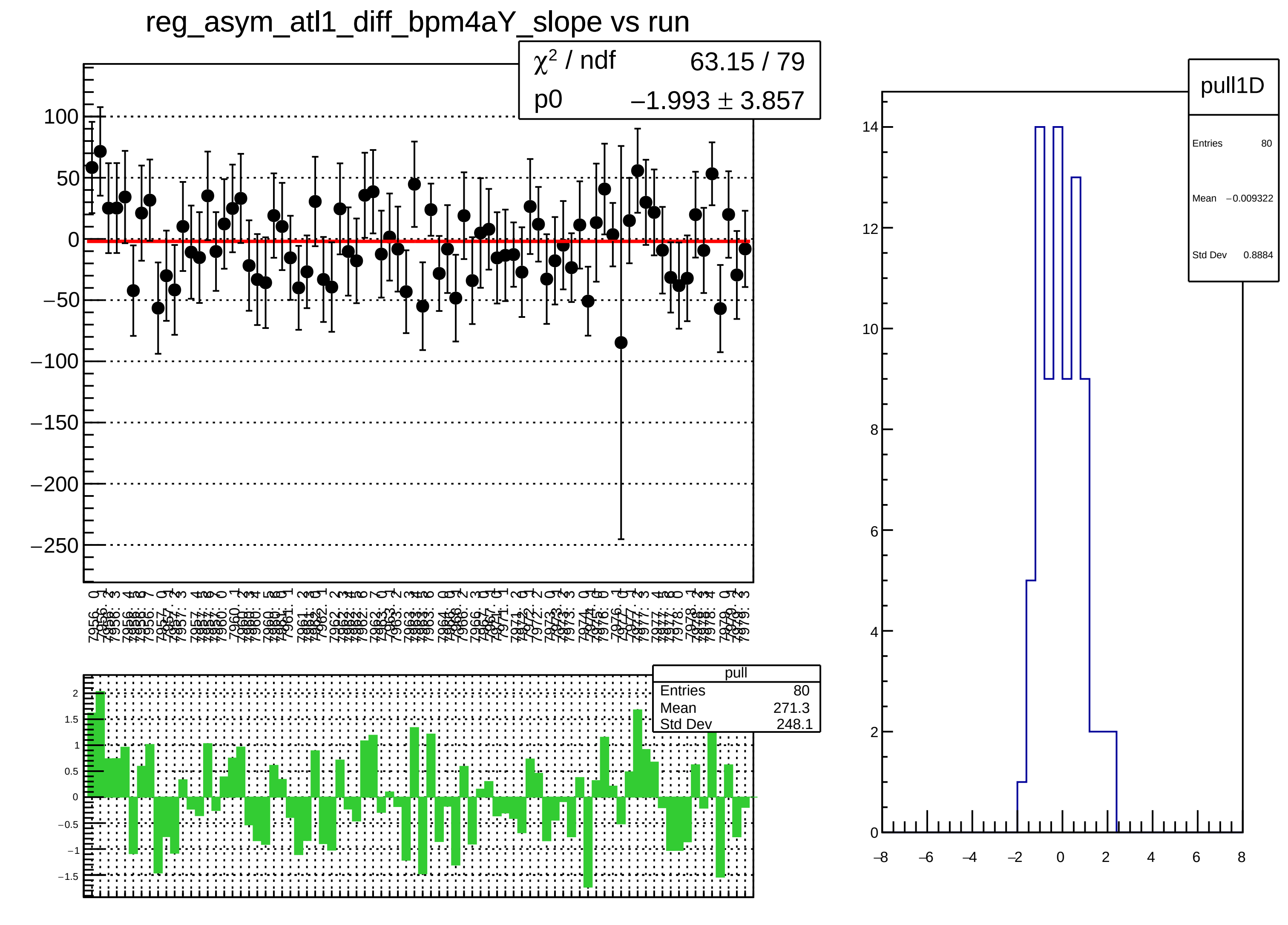
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.787 / 79
p0 17.31 ± 3.26
pull
Entries 80
Mean 796.7
Std Dev 743
pull1D
Entries 80
Mean −0.001253
Std Dev 0.1866



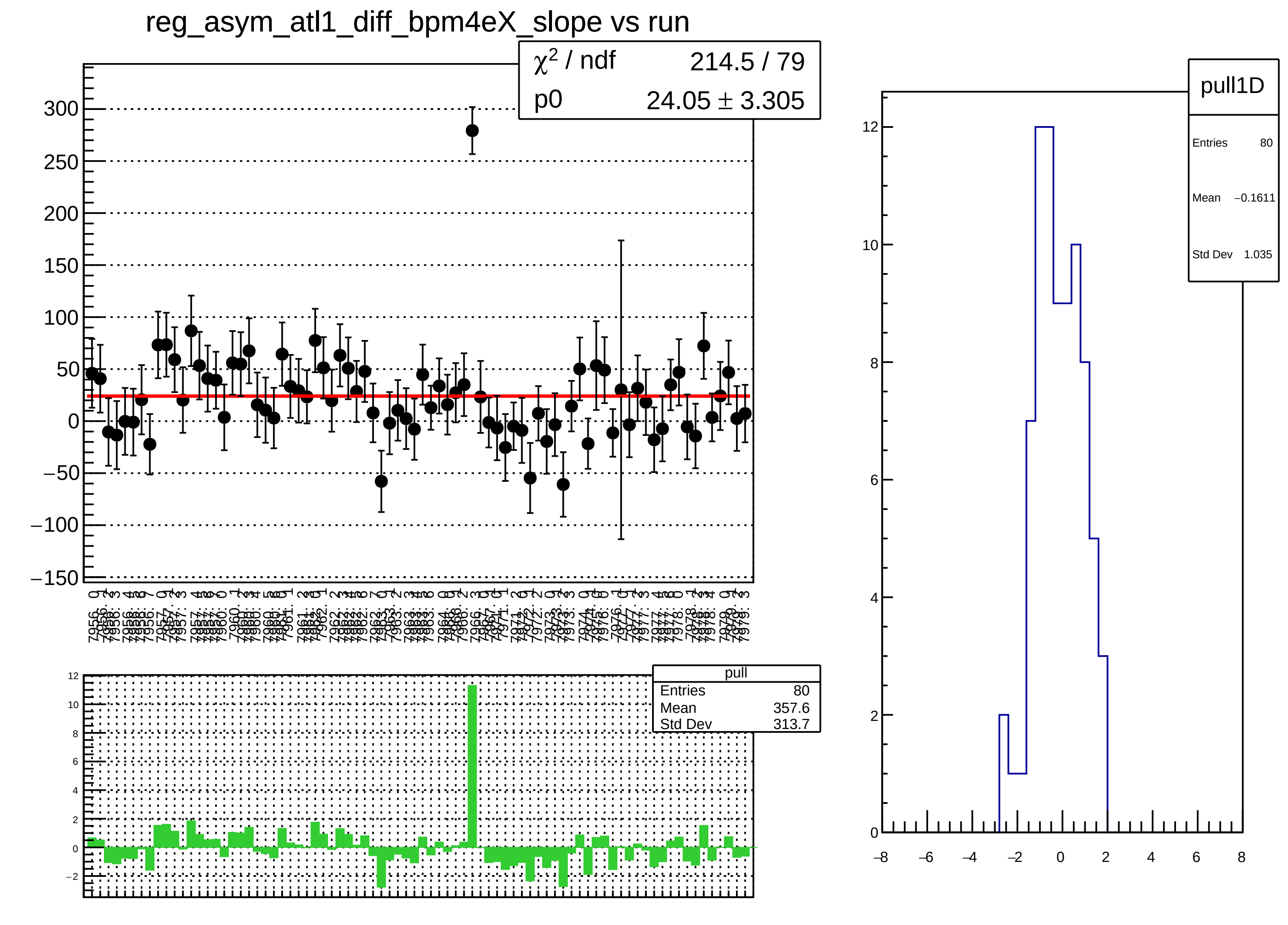
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 14.68 / 79
p0 −0.8455 ± 0.09404
pull
Entries 80
Mean 180.5
Std Dev 153.9
pull1D
Entries 80
Mean −0.02089
Std Dev 0.4278

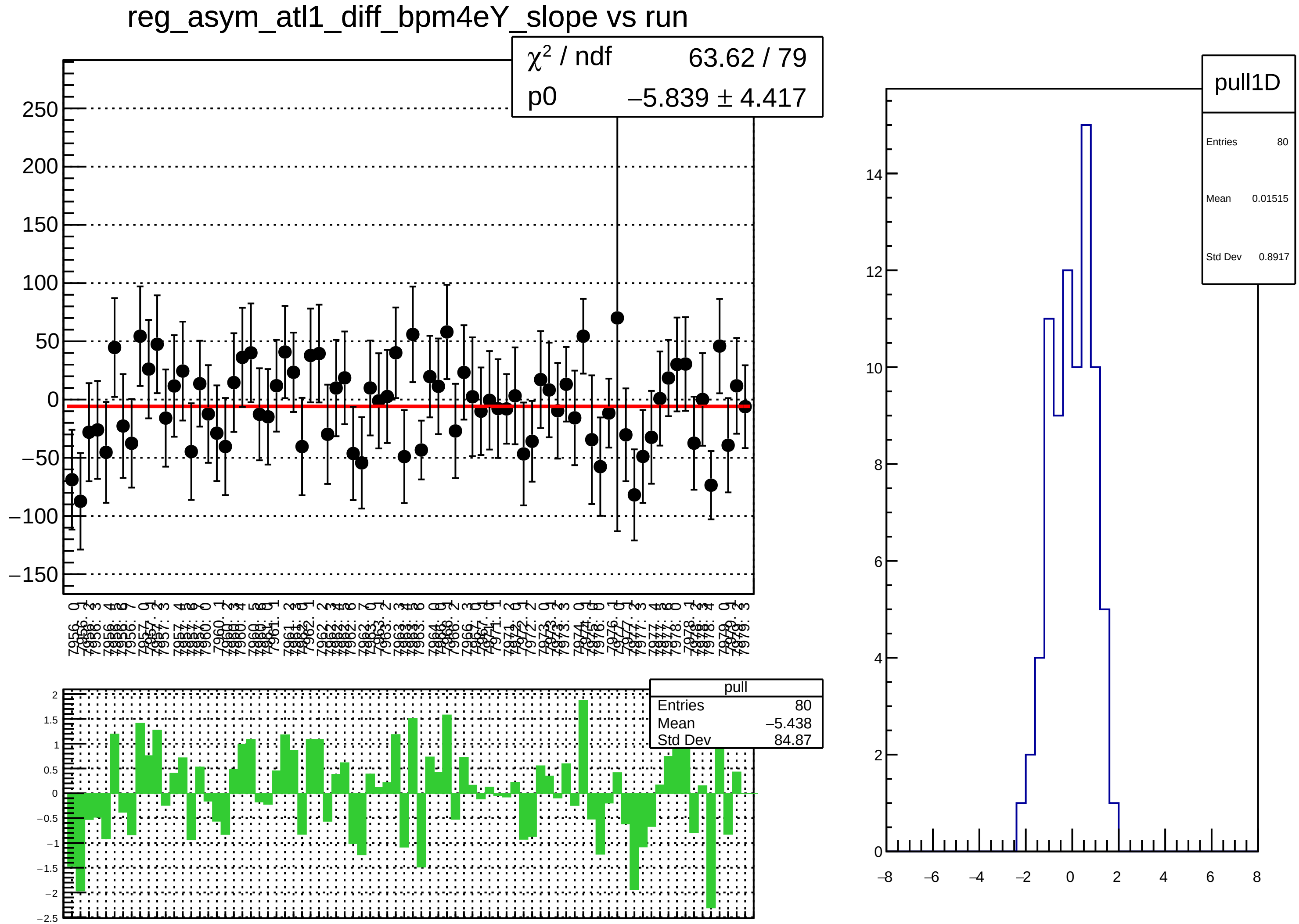


reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 220.7 / 79
p0 7.647 ± 3.734
pull
Entries 80
Mean 254.1
Std Dev 207.9
pull1D
Entries 80
Mean 0.1673
Std Dev 1.001

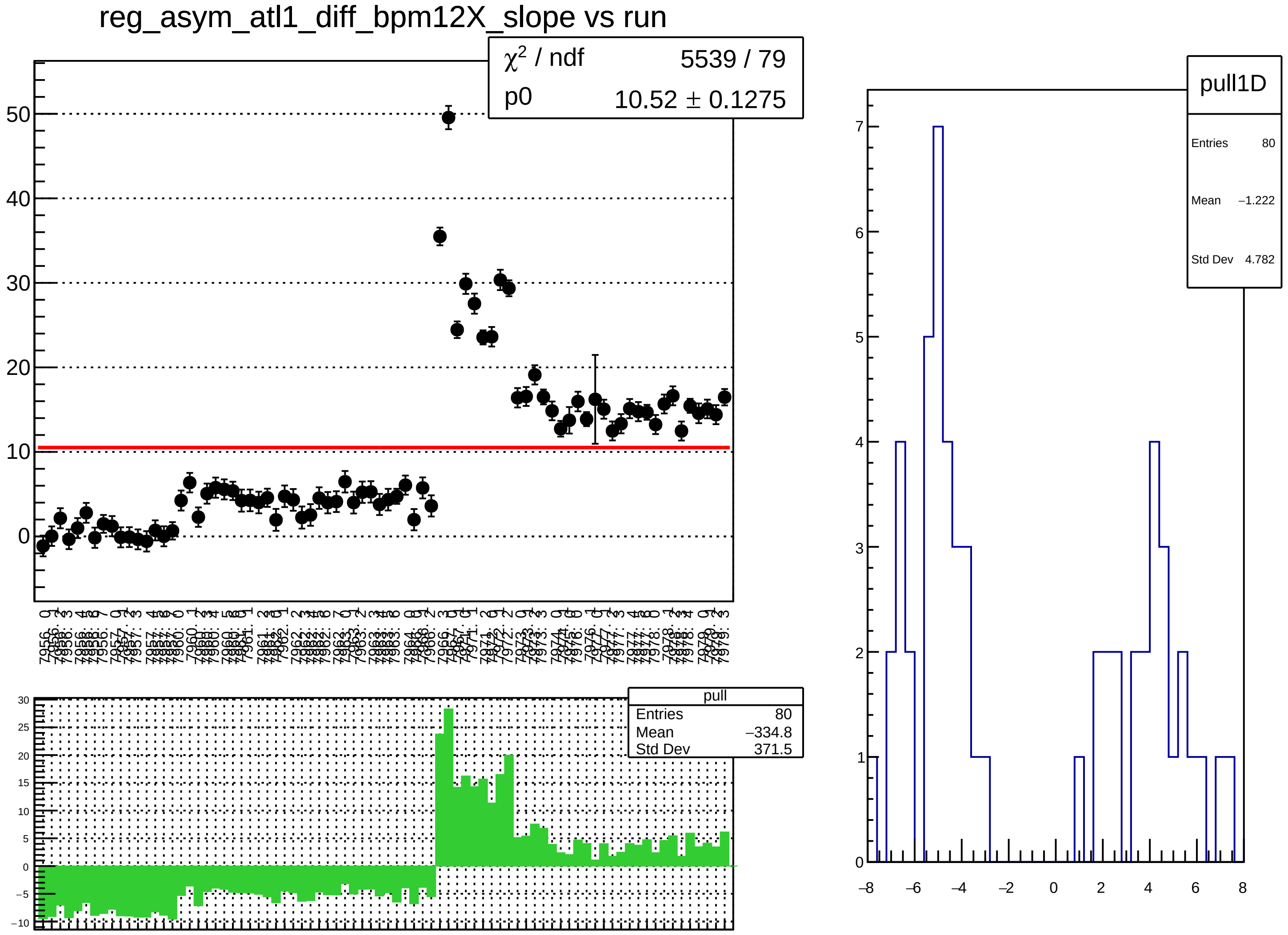


reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 63.15 / 79
p0 −1.993 ± 3.857
pull
Entries 80
Mean 271.3
Std Dev 248.1
pull1D
Entries 80
Mean −0.009322
Std Dev 0.8884

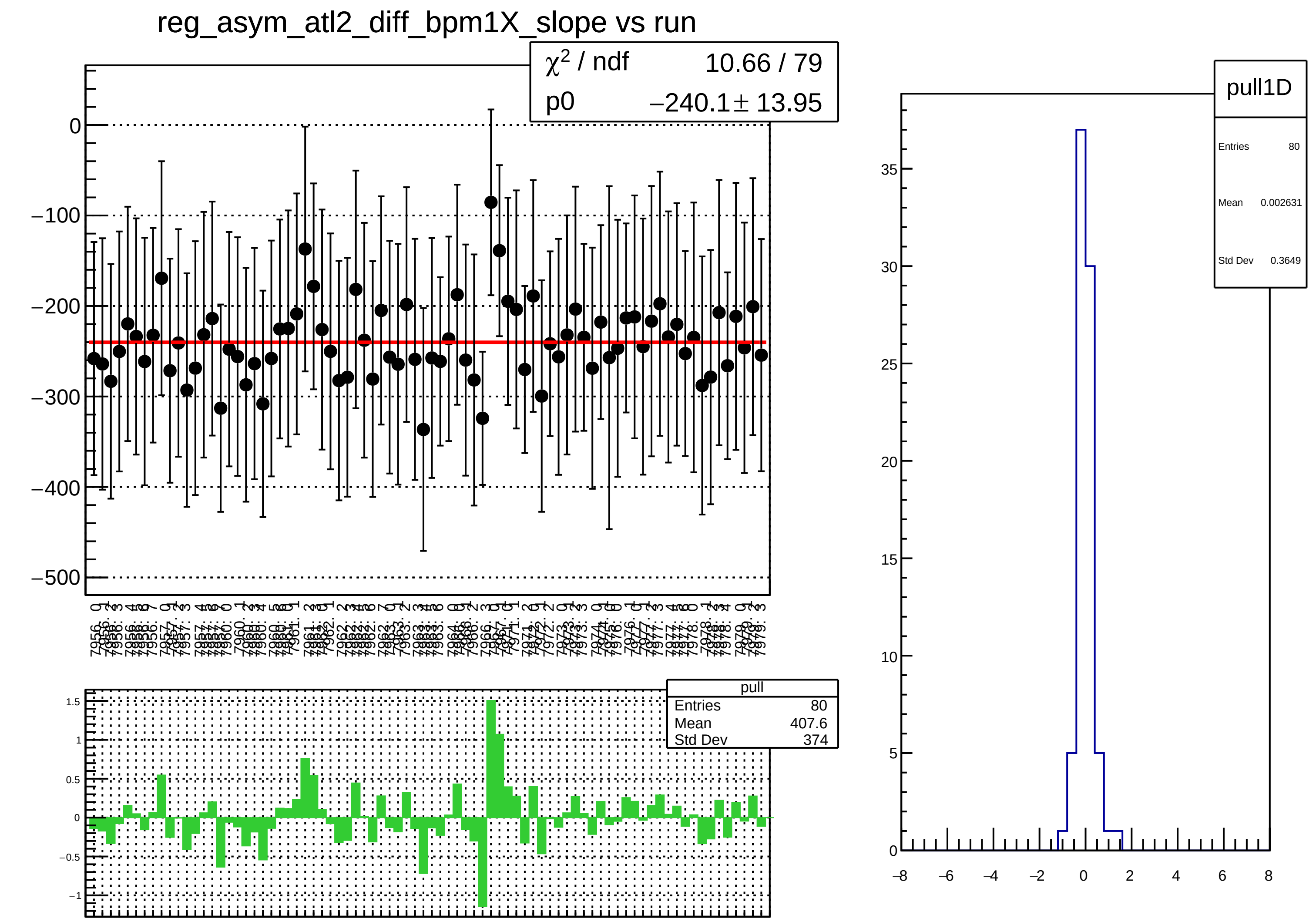

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 214.5 / 79
p0 24.05 ± 3.305
pull
Entries 80
Mean 357.6
Std Dev 313.7
pull1D
Entries 80
Mean −0.1611
Std Dev 1.035



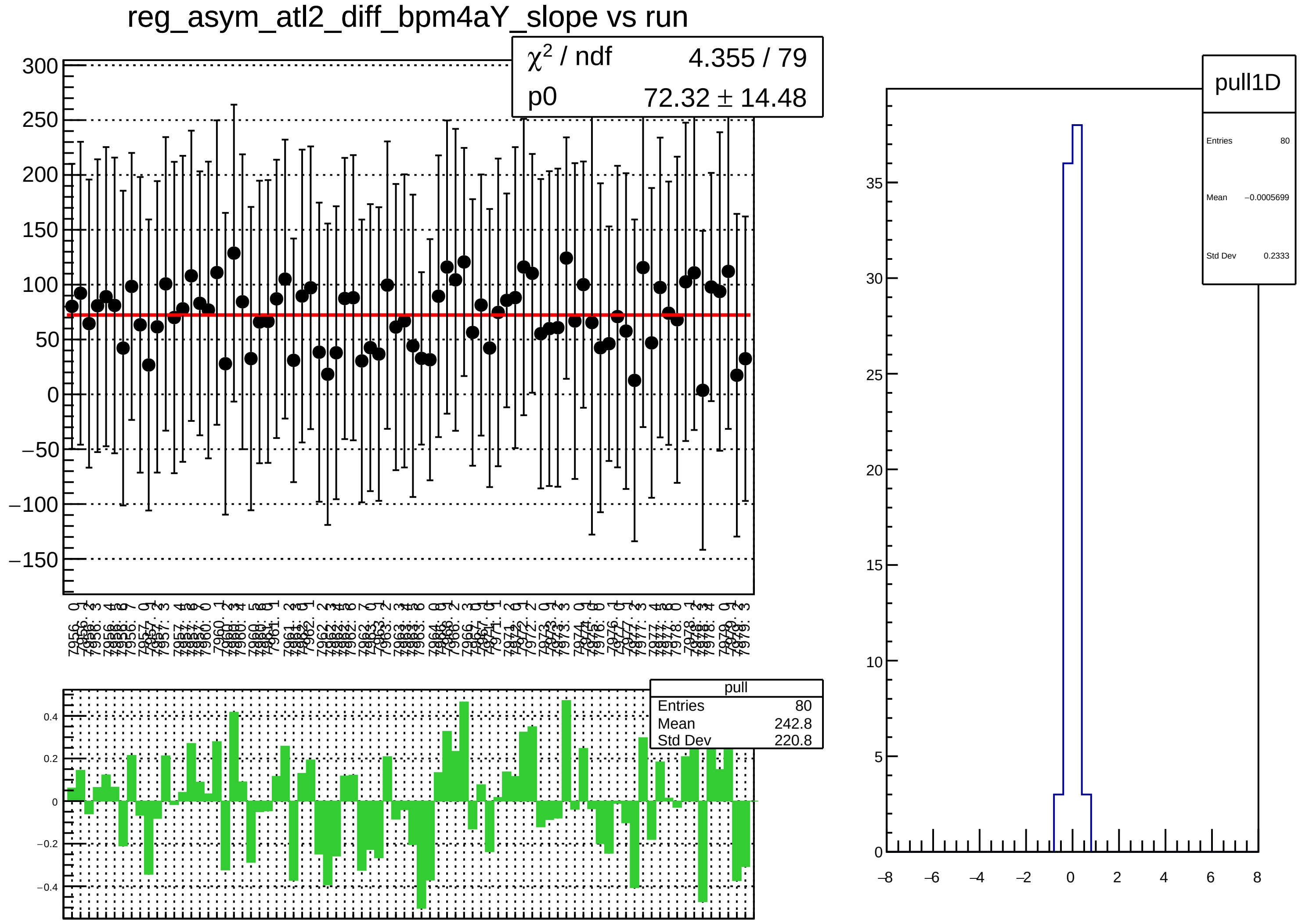
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 63.62 / 79
p0 −5.839 ± 4.417
pull
Entries 80
Mean −5.438
Std Dev 84.87
pull1D
Entries 80
Mean 0.01515
Std Dev 0.8917



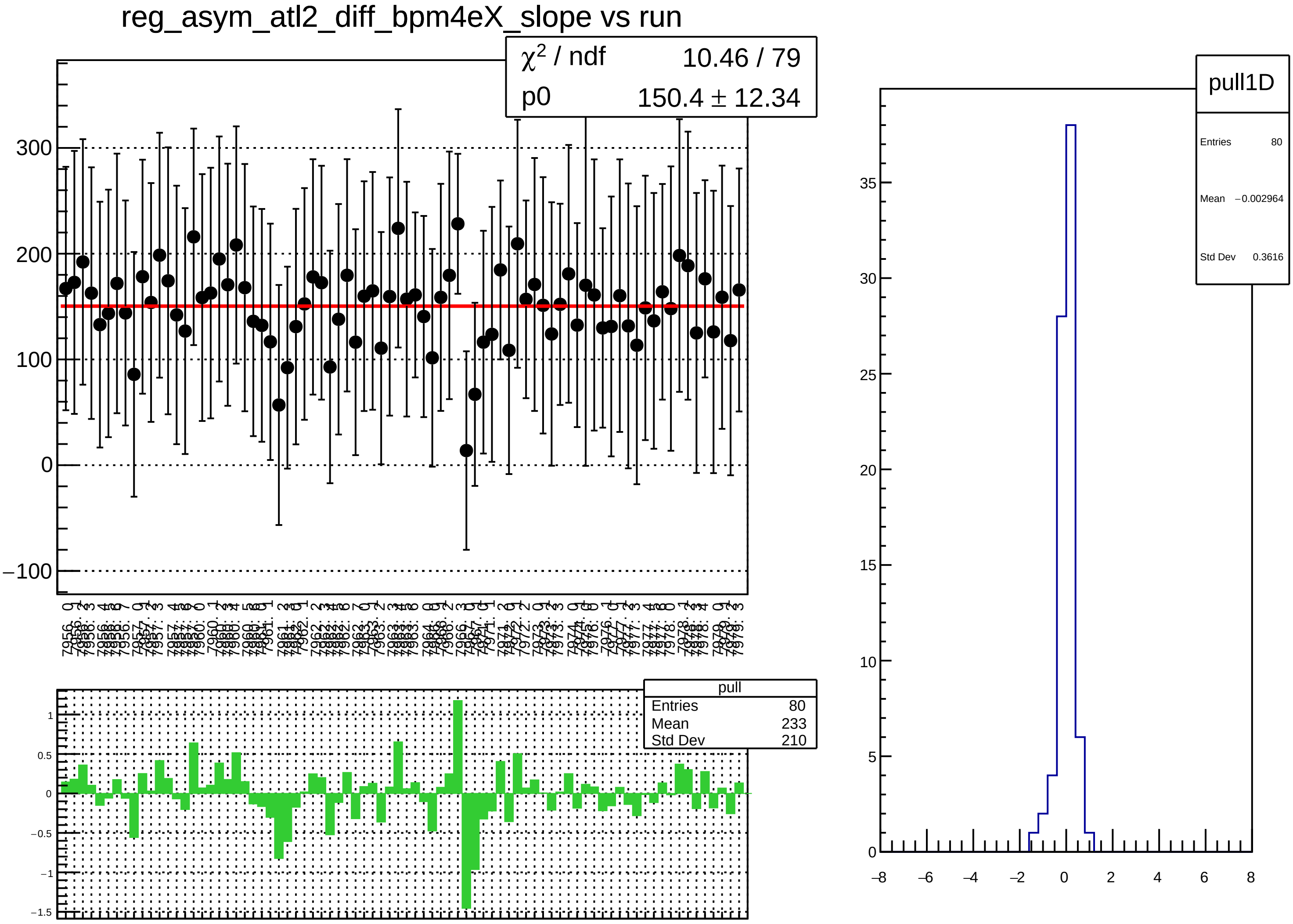
reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 5539 / 79
p0 10.52 ± 0.1275
pull
Entries 80
Mean −334.8
Std Dev 371.5
pull1D
Entries 80
Mean −1.222
Std Dev 4.782



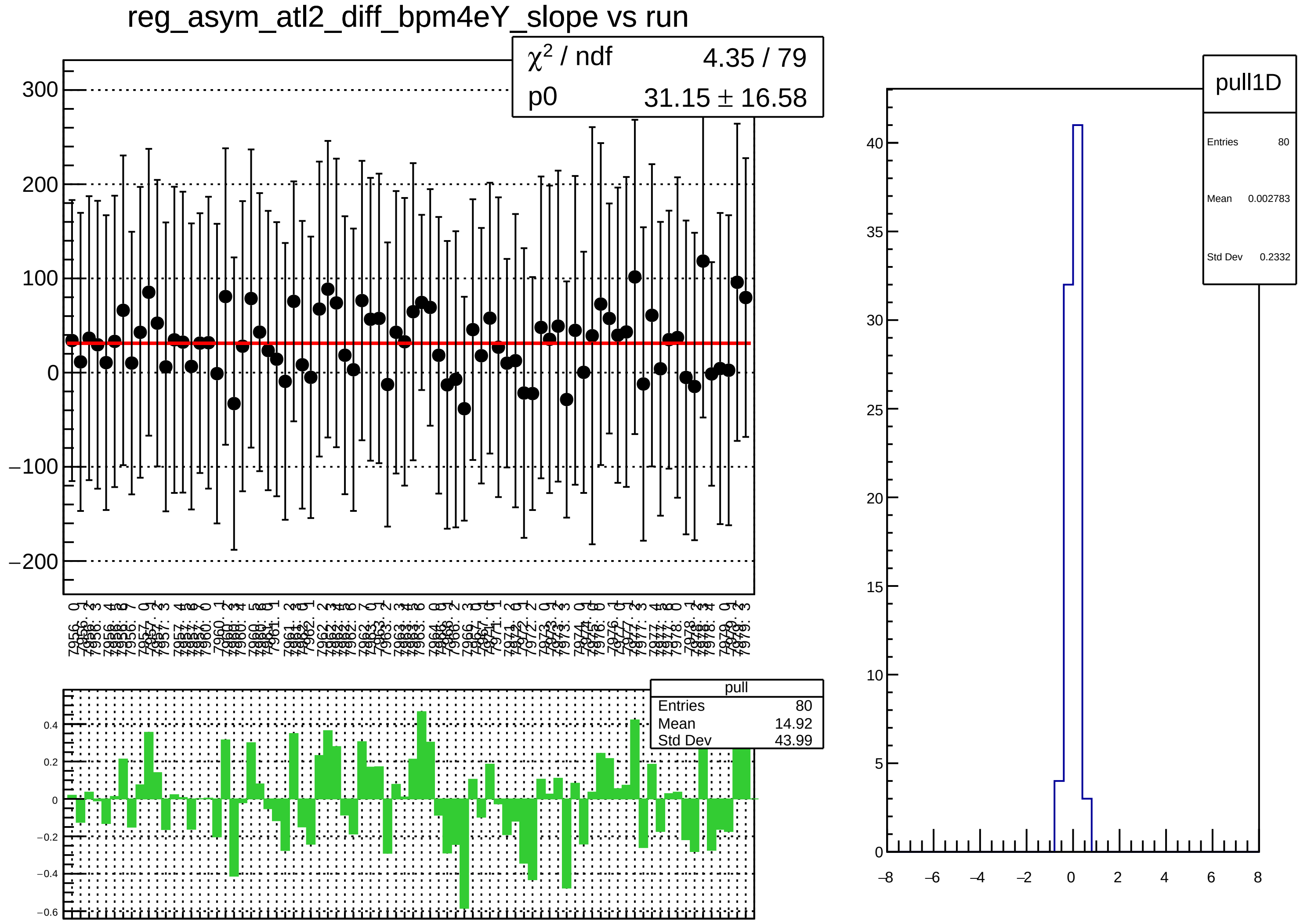
reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 10.66 / 79
p0 −240.1 ± 13.95
0
−100
−200
−300
−400
−500
pull
Entries 80
Mean 407.6
Std Dev 374
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean 0.002631
Std Dev 0.3649
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



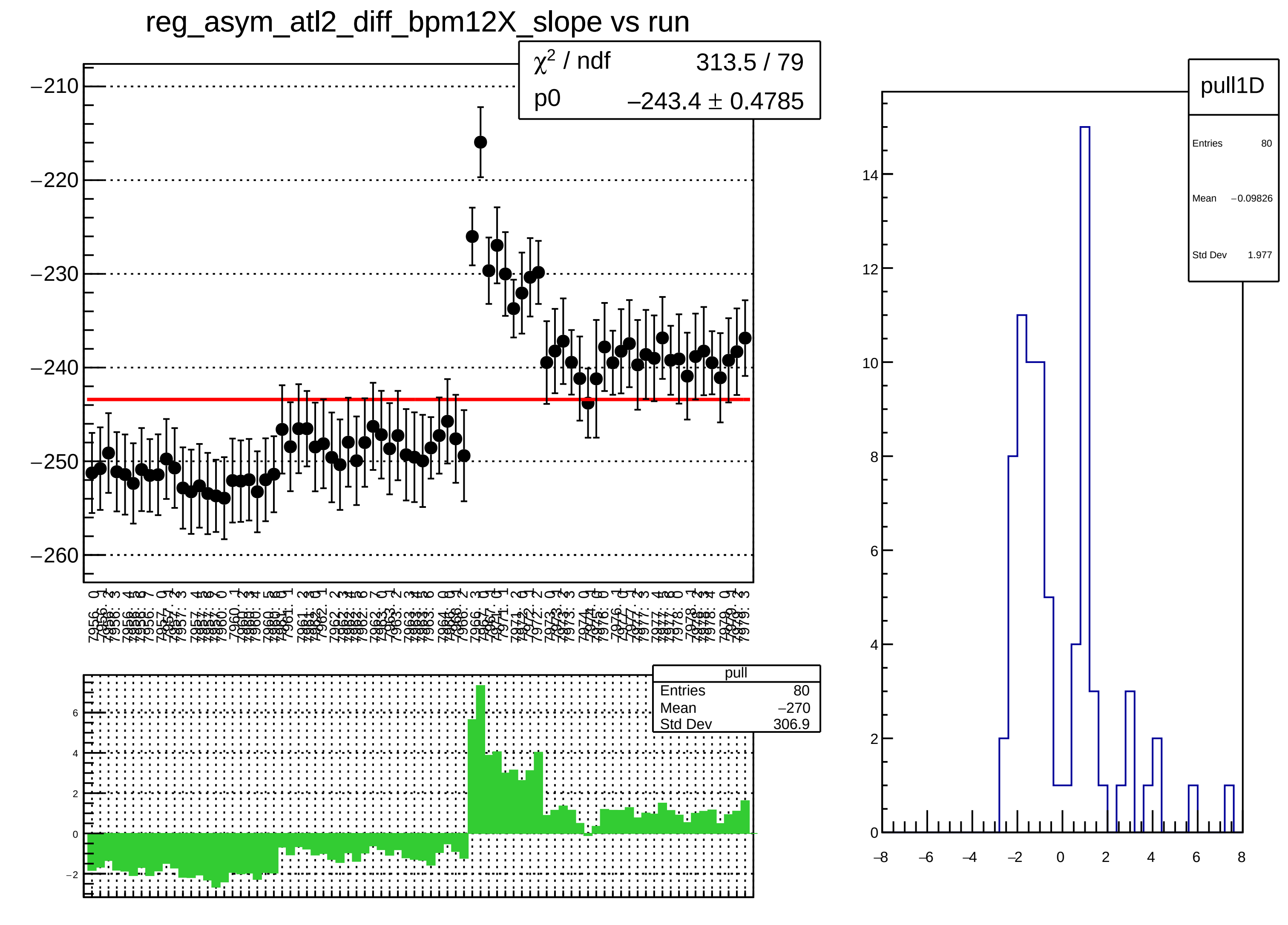
reg_asym_atl2_diff_bpm4aY_slope vs run
χ2 / ndf 4.355 / 79
p0 72.32 ± 14.48
pull
Entries 80
Mean 242.8
Std Dev 220.8
pull1D
Entries 80
Mean −0.0005699
Std Dev 0.2333

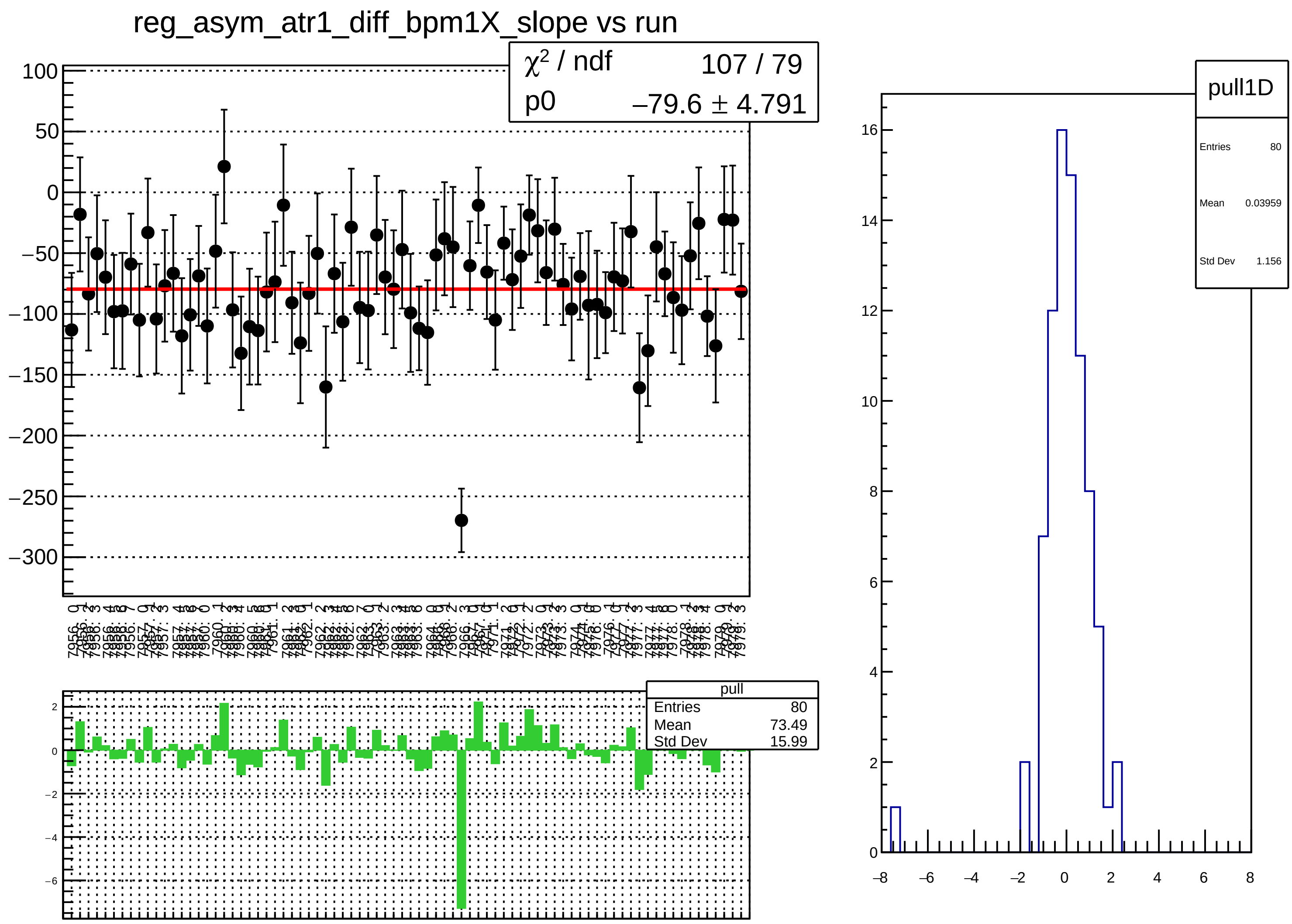


reg_asym_atl2_diff_bpm4eX_slope vs run
χ2 / ndf 10.46 / 79
p0 150.4 ± 12.34
pull
Entries 80
Mean 233
Std Dev 210
pull1D
Entries 80
Mean −0.002964
Std Dev 0.3616

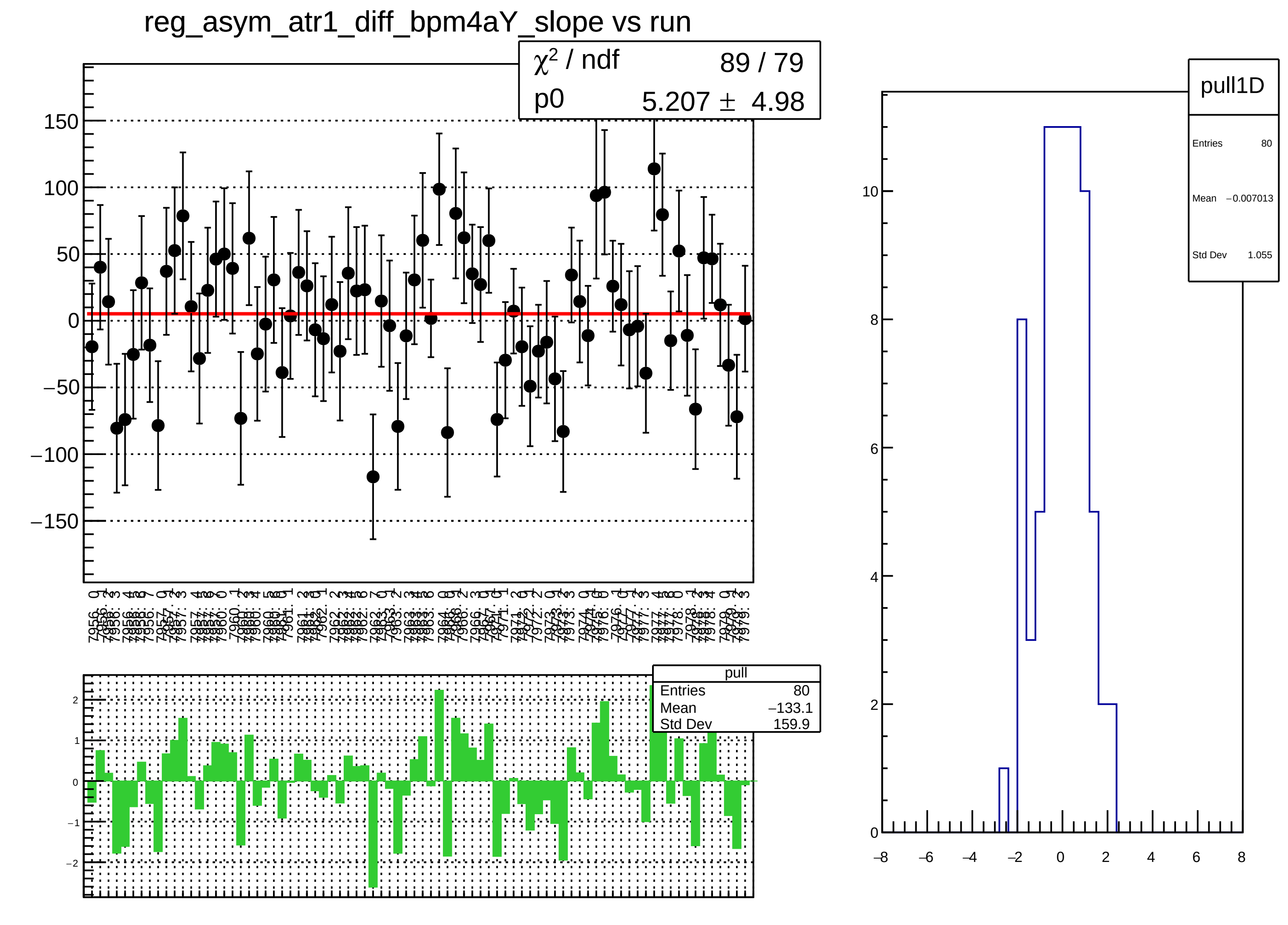


reg_asym_atl2_diff_bpm4eY_slope vs run
χ2 / ndf 4.35 / 79
p0 31.15 ± 16.58
pull
Entries 80
Mean 14.92
Std Dev 43.99
pull1D
Entries 80
Mean 0.002783
Std Dev 0.2332

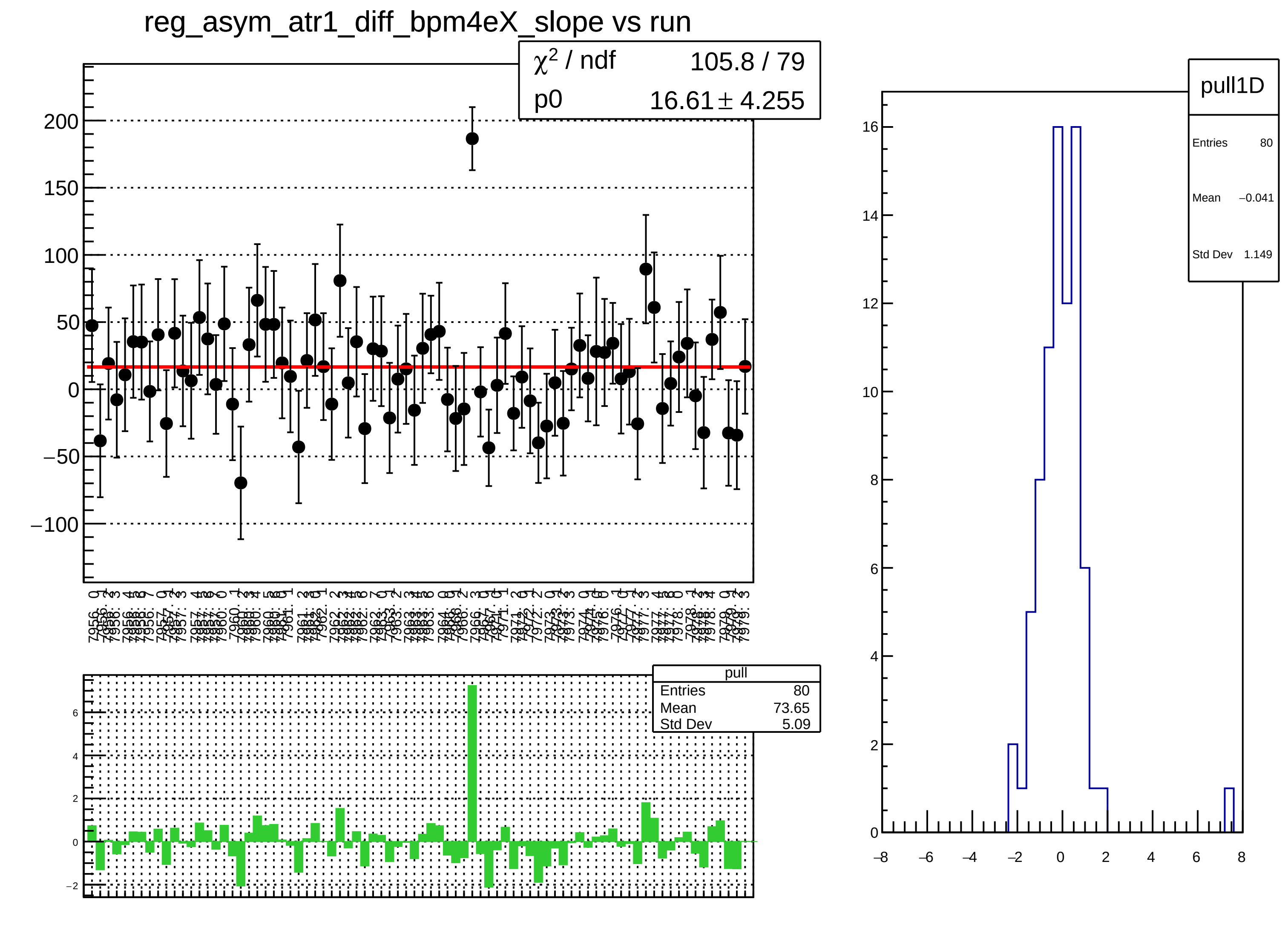

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 313.5 / 79
p0 −243.4 ± 0.4785
−210
−220
−230
−240
−250
−260
pull
Entries 80
Mean −270
Std Dev 306.9
6
4
2
0
−2
pull1D
Entries 80
Mean −0.09826
Std Dev 1.977
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



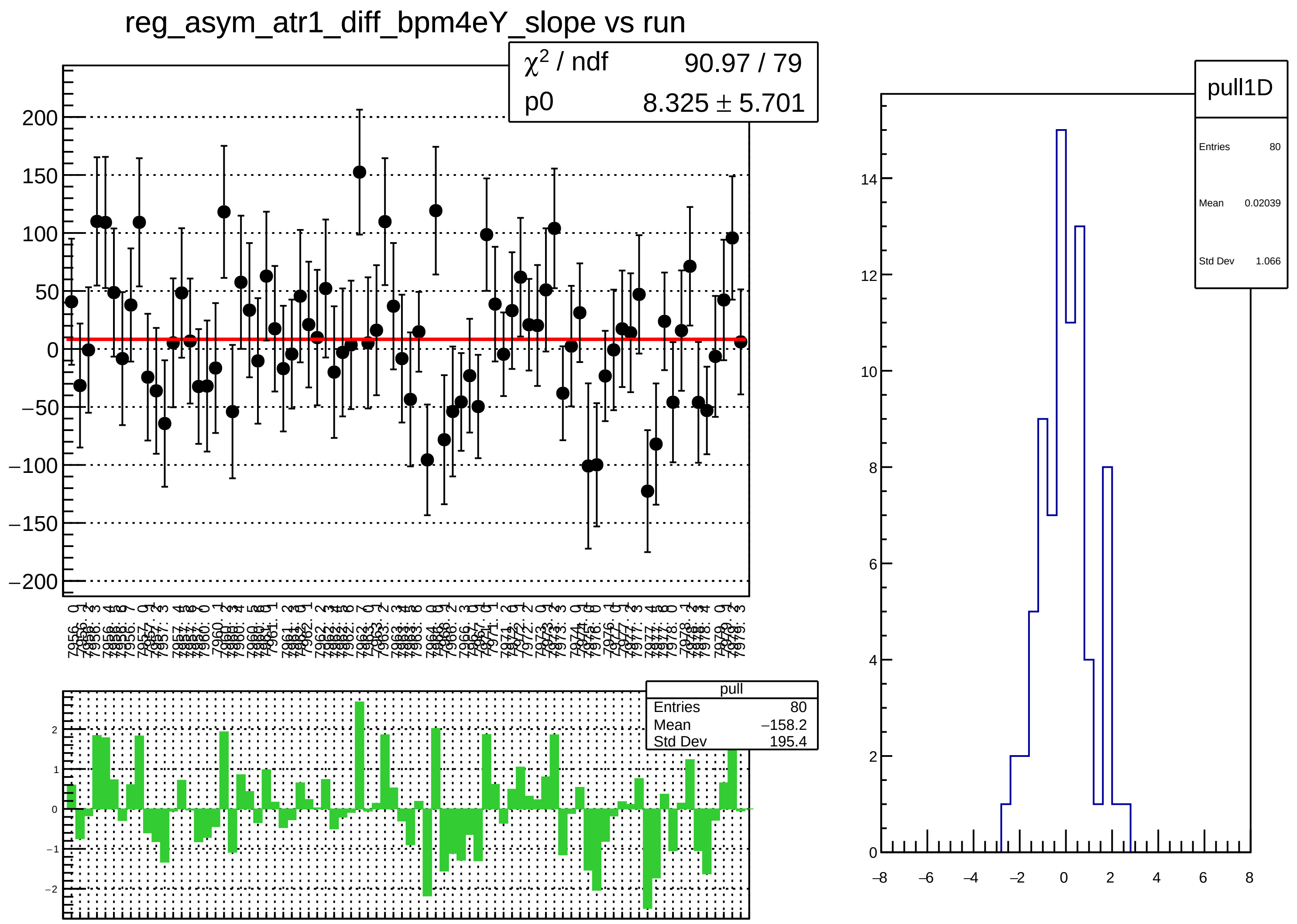
reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 107 / 79
p0 −79.6 ± 4.791
pull
Entries 80
Mean 73.49
Std Dev 15.99
pull1D
Entries 80
Mean 0.03959
Std Dev 1.156



reg_asym_atr1_diff_bpm4aY_slope vs run
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

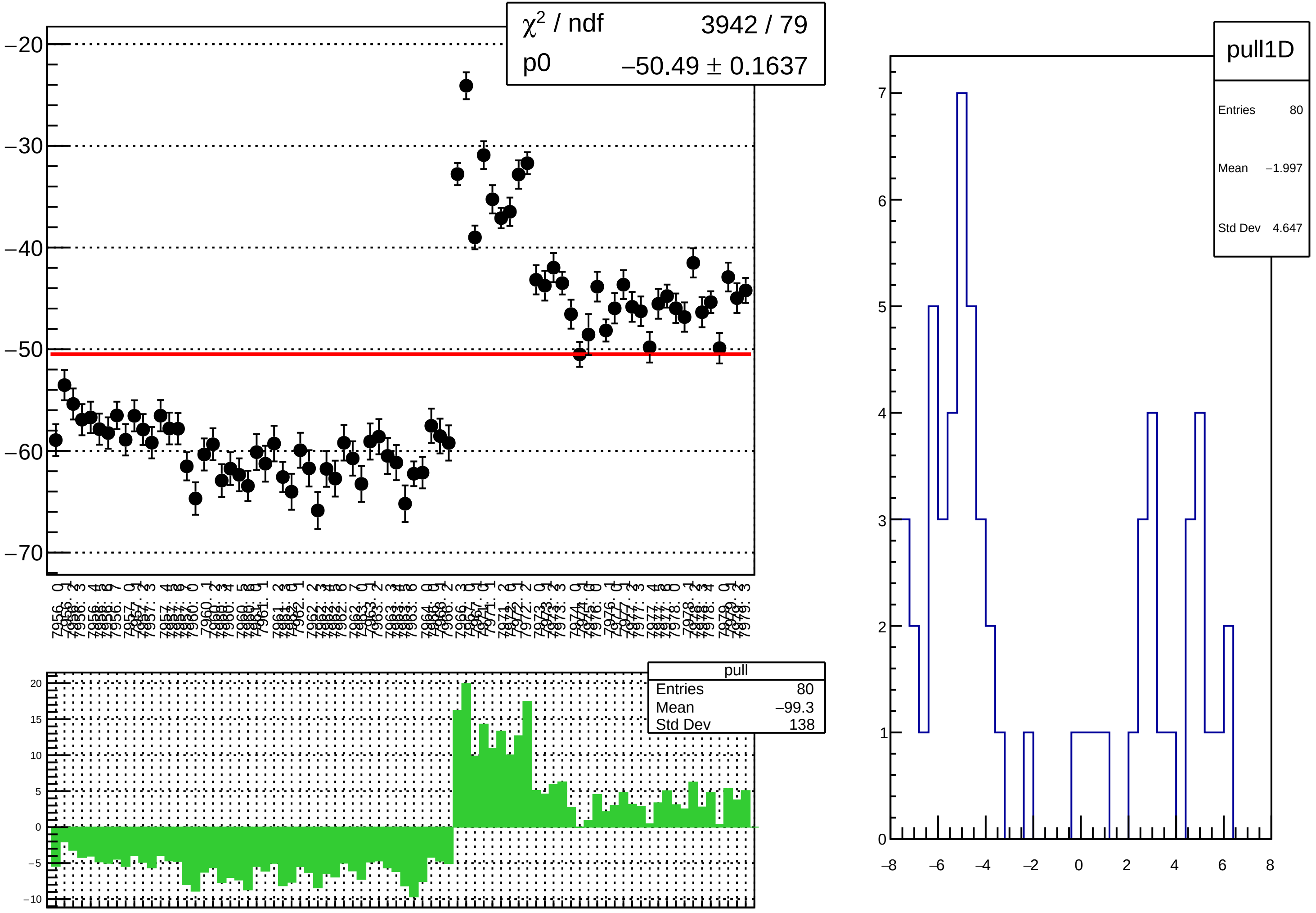


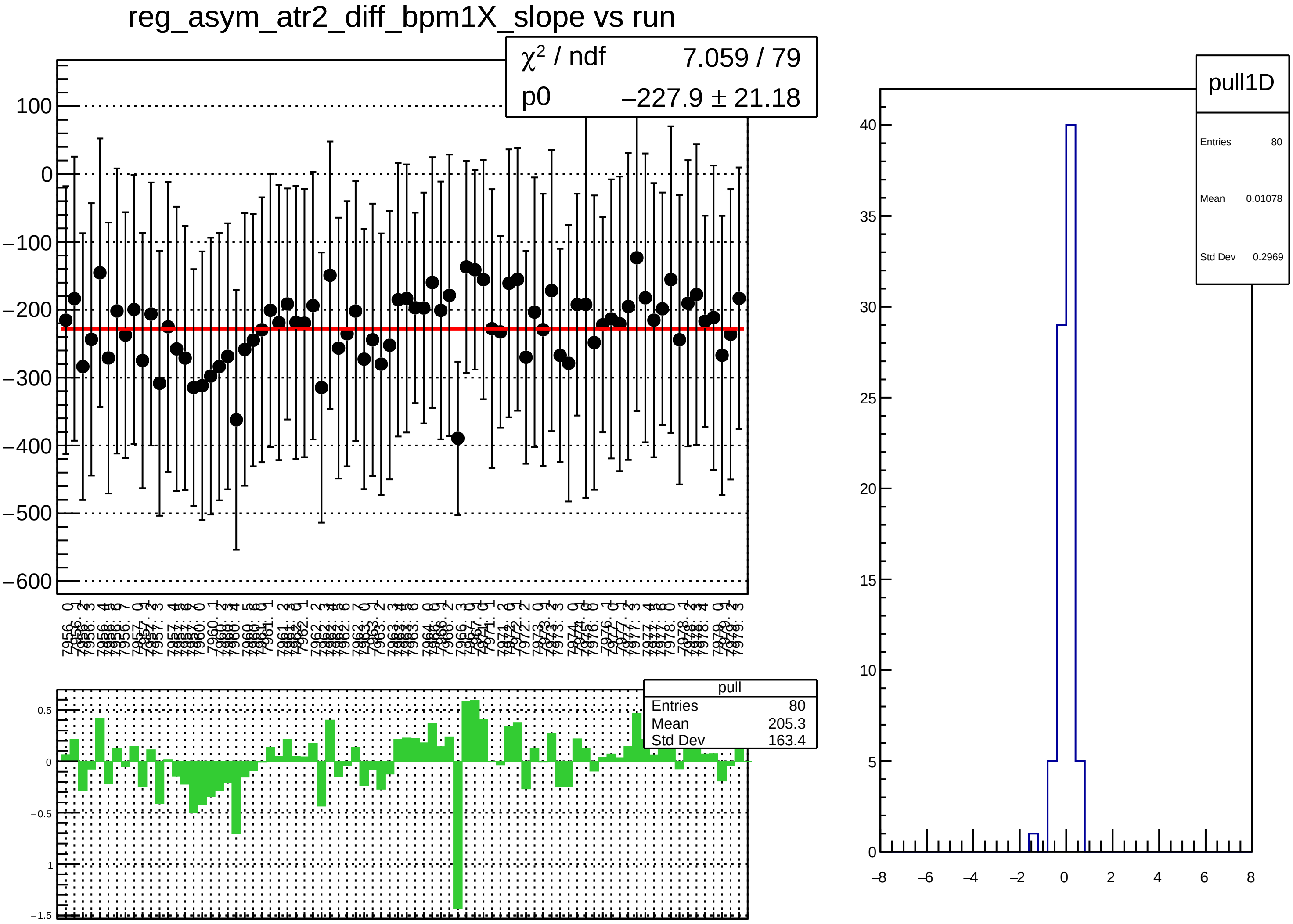
reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 105.8 / 79
p0 16.61 ± 4.255
pull
Entries 80
Mean 73.65
Std Dev 5.09
pull1D
Entries 80
Mean −0.041
Std Dev 1.149



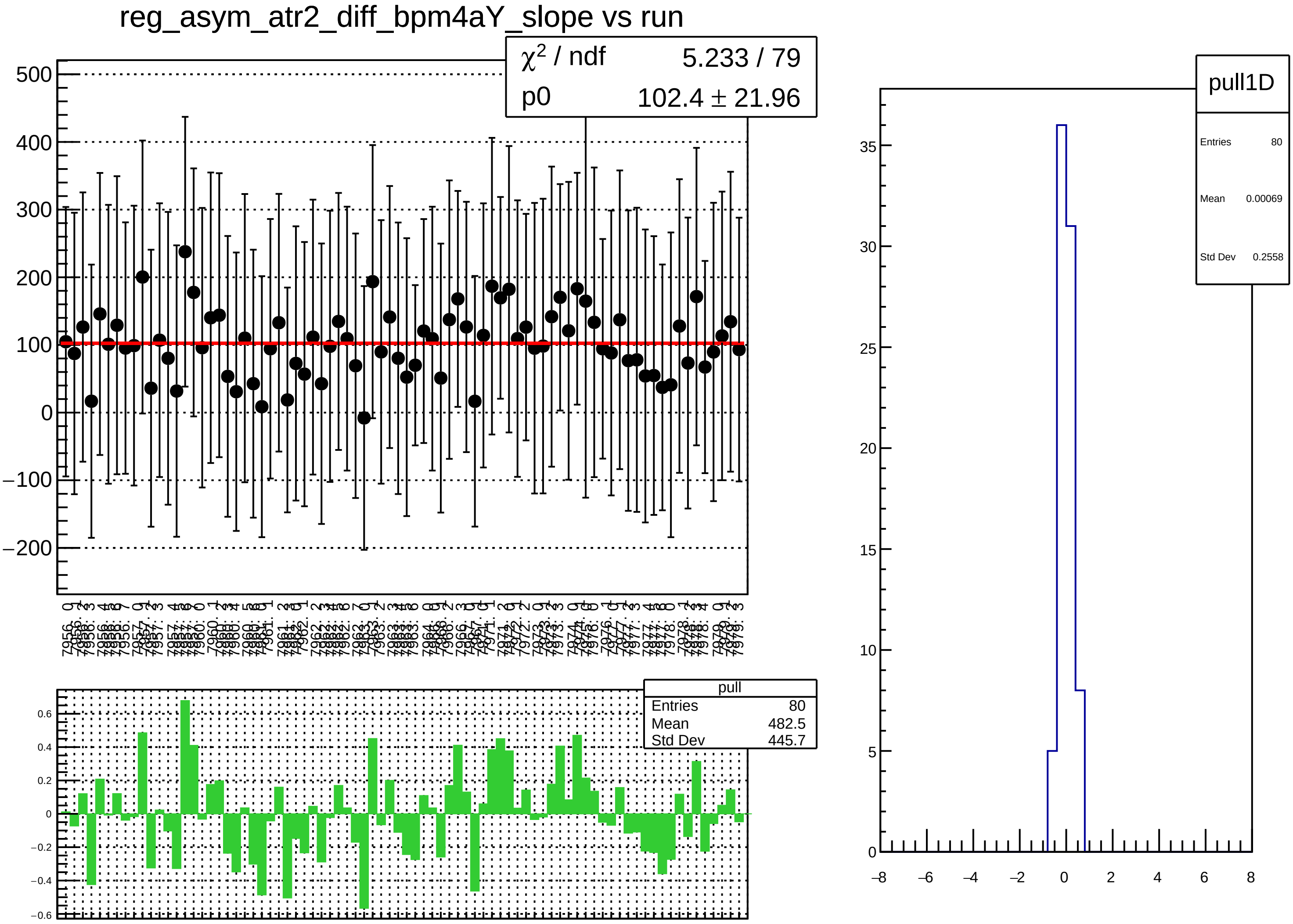
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 90.97 / 79
p0 8.325 ± 5.701
pull
Entries 80
Mean −158.2
Std Dev 195.4
pull1D
Entries 80
Mean 0.02039
Std Dev 1.066

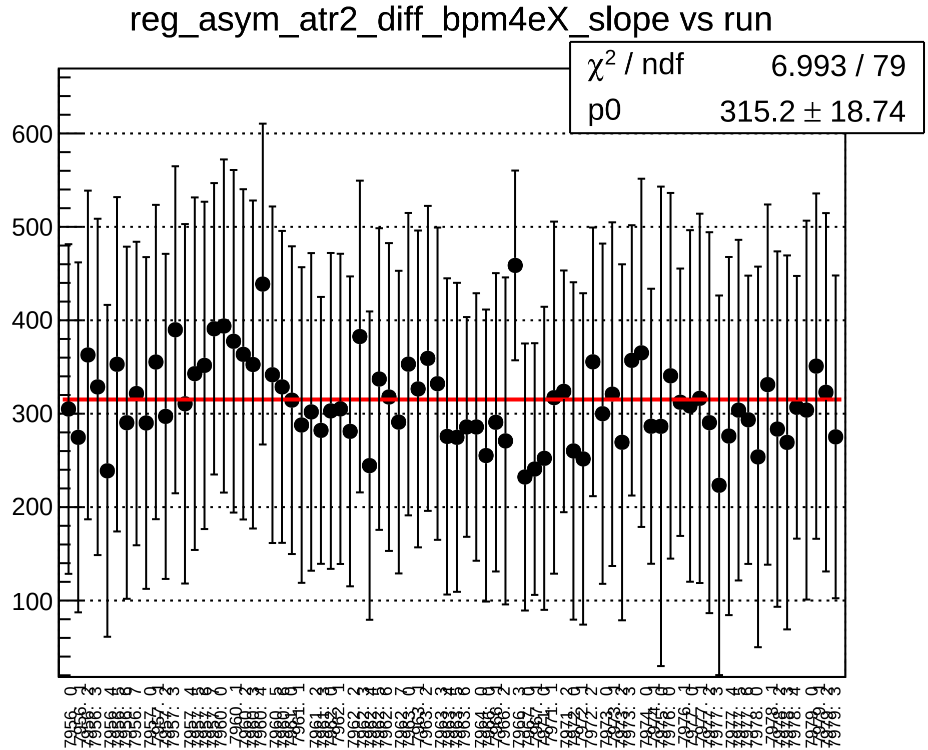
reg_asym_atr1_diff_bpm12X_slope vs run



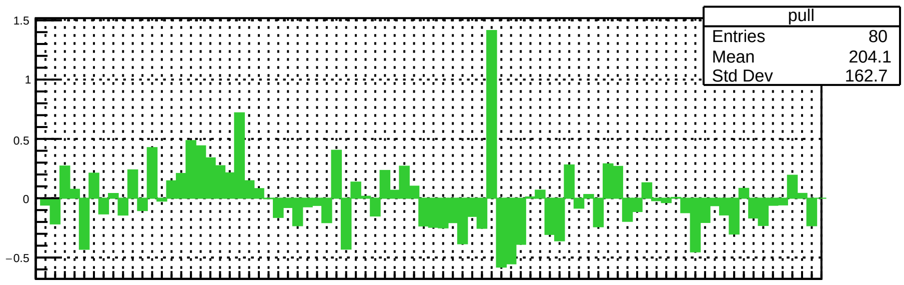


reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 7.059 / 79
p0 −227.9 ± 21.18
pull
Entries 80
Mean 205.3
Std Dev 163.4
pull1D
Entries 80
Mean 0.01078
Std Dev 0.2969

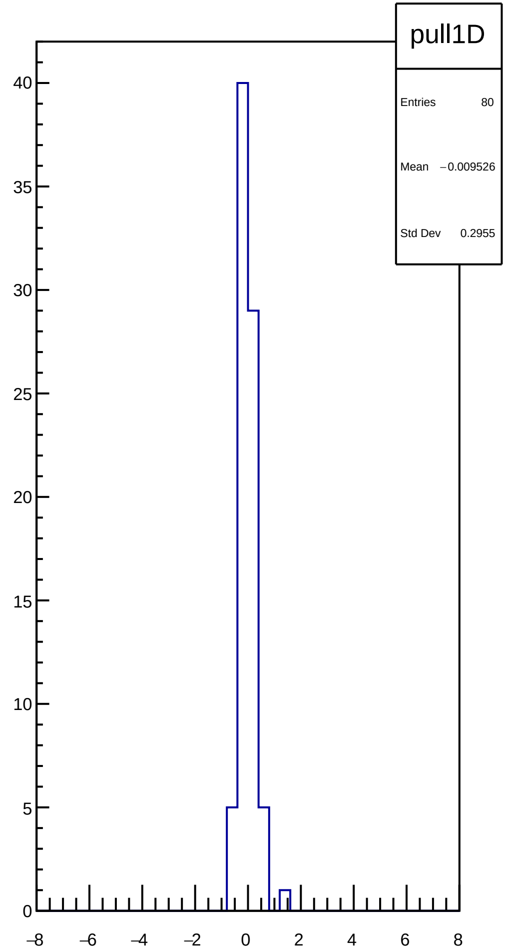

reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 5.233 / 79
p0 102.4 ± 21.96
pull
Entries 80
Mean 482.5
Std Dev 445.7
pull1D
Entries 80
Mean 0.00069
Std Dev 0.2558



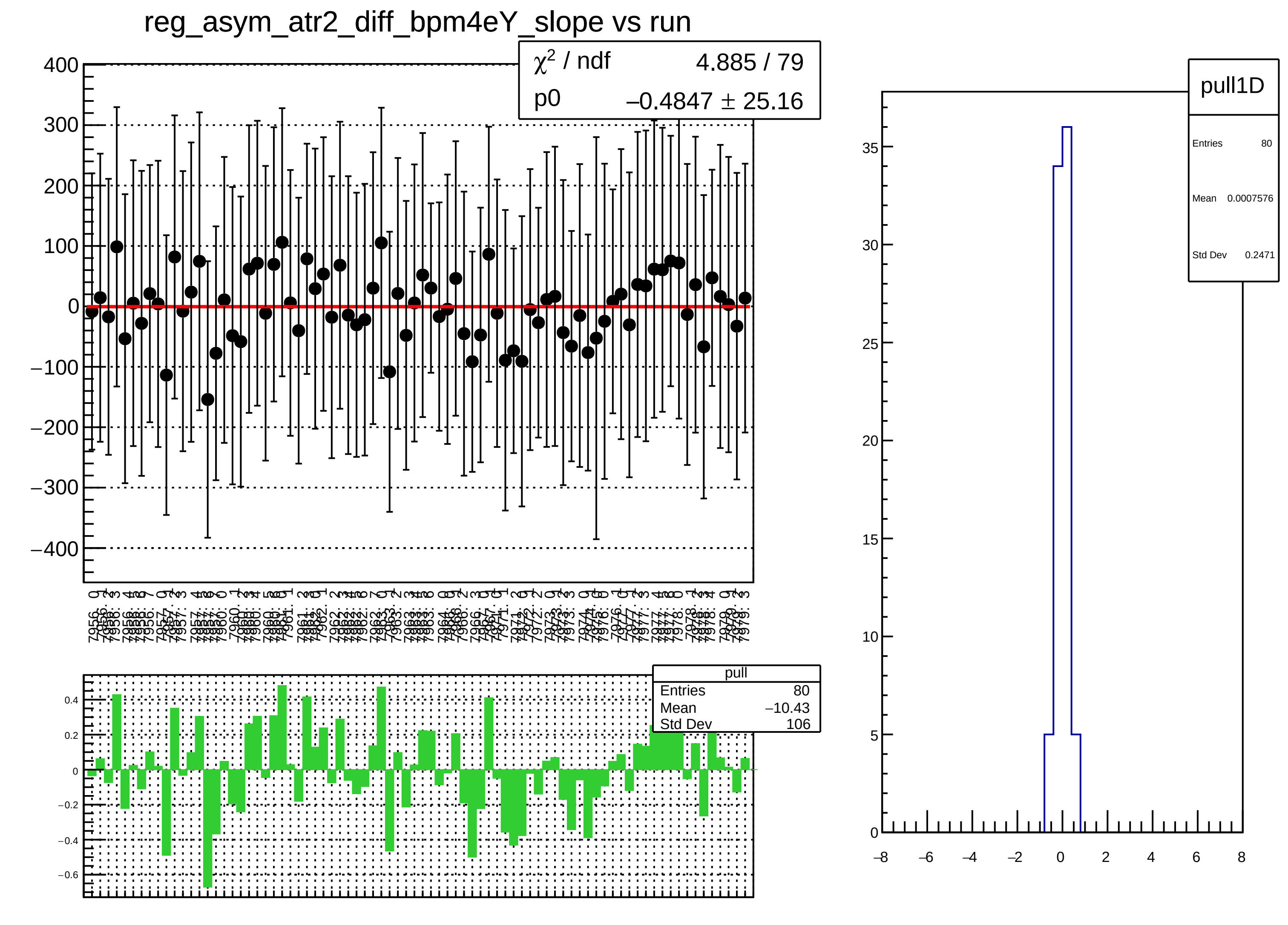
reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 6.993 / 79
p0 315.2 ± 18.74



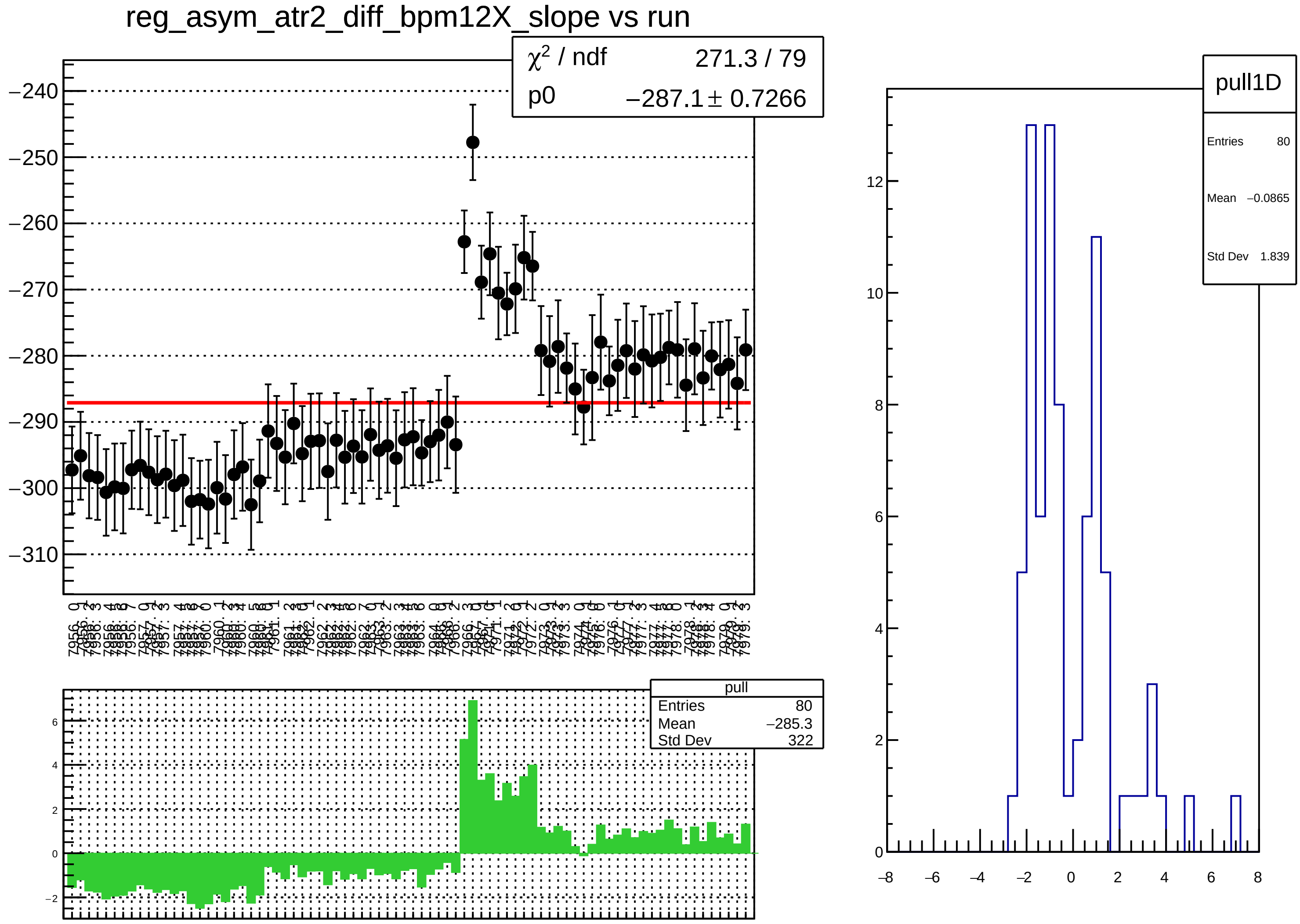
pull
Entries 80
Mean 204.1
Std Dev 162.7



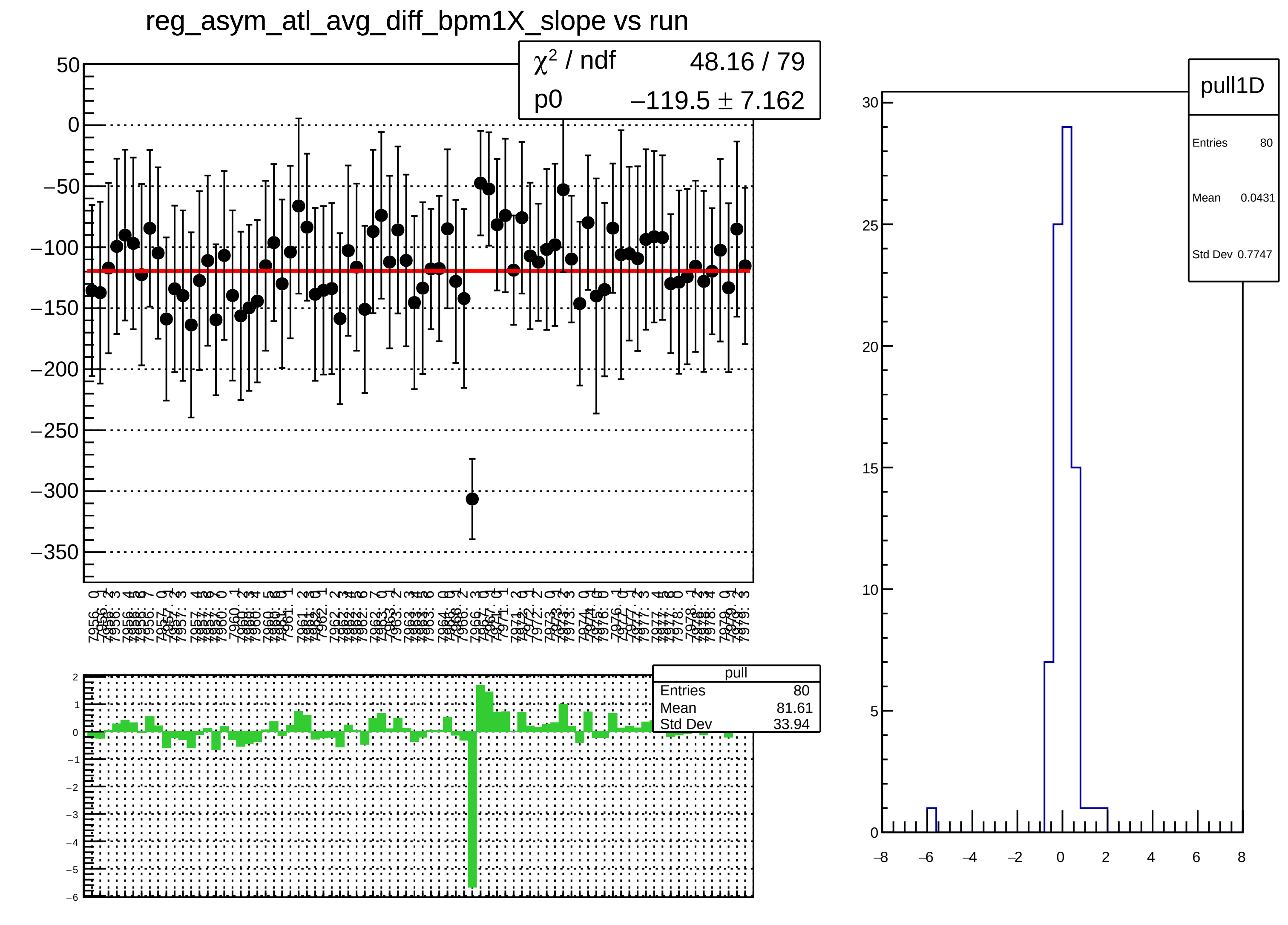
pull1D
Entries 80
Mean −0.009526
Std Dev 0.2955



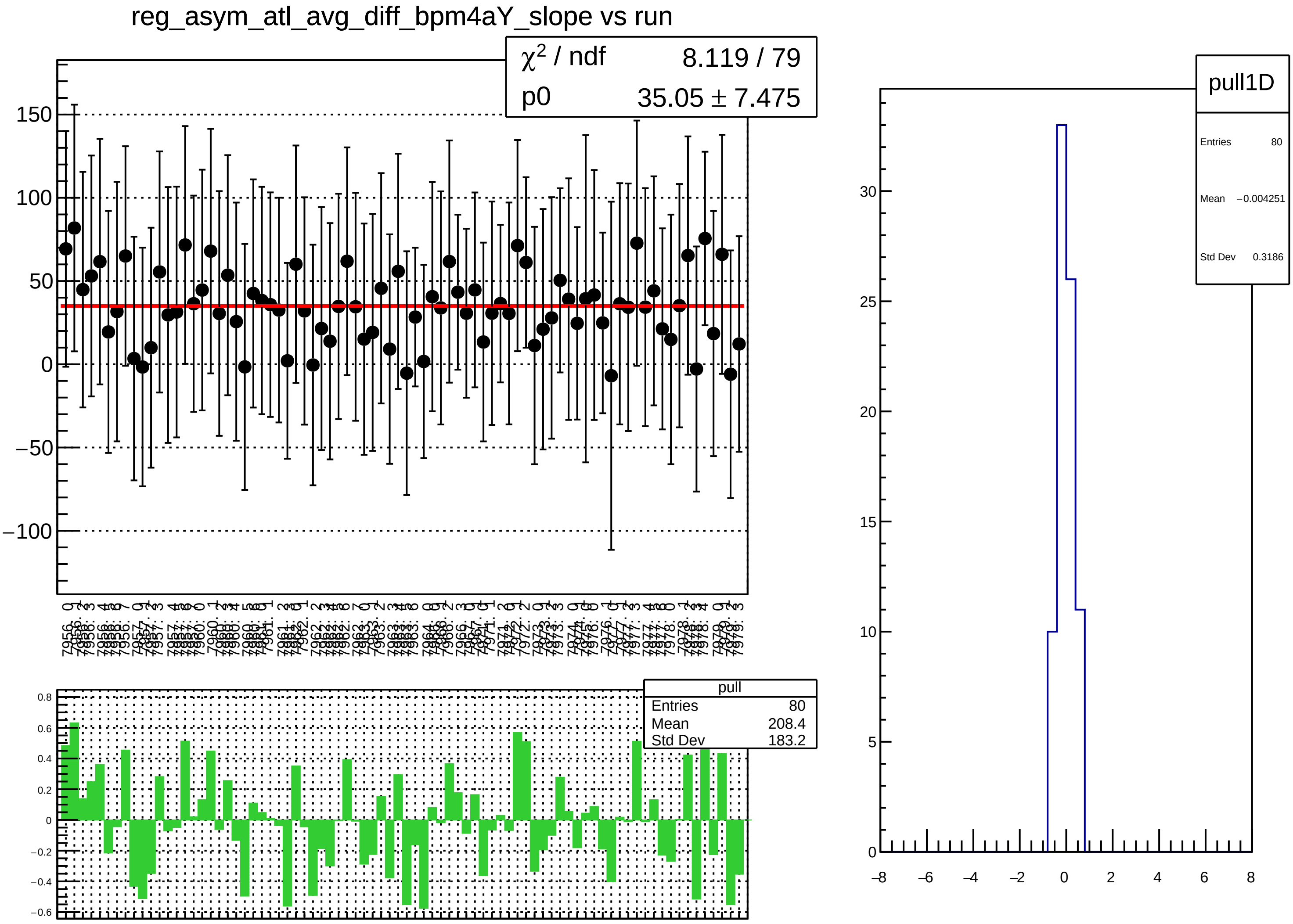
reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.885 / 79
p0 −0.4847 ± 25.16
pull
Entries 80
Mean −10.43
Std Dev 106
pull1D
Entries 80
Mean 0.0007576
Std Dev 0.2471



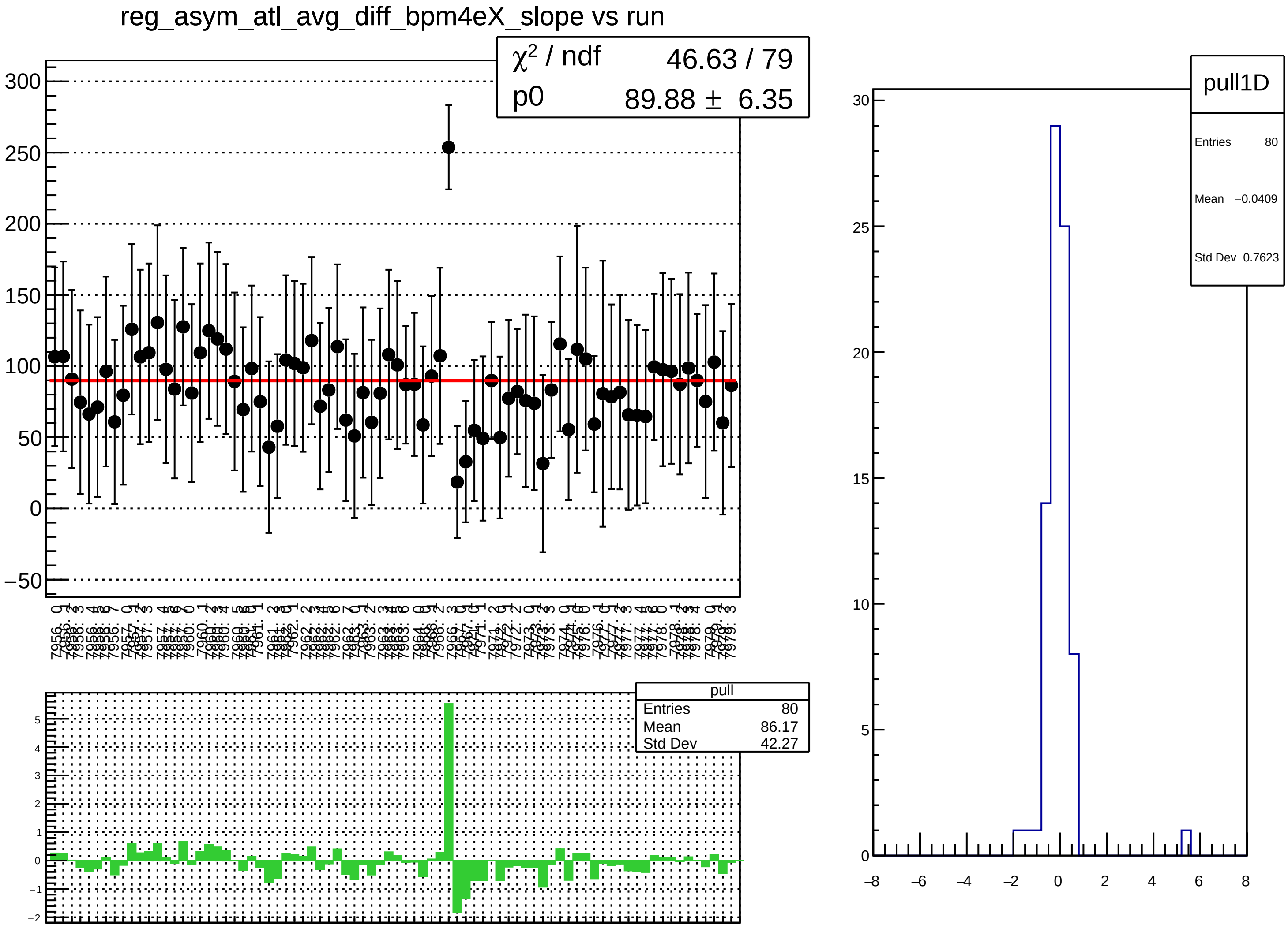
reg_asym_atr2_diff_bpm12X_slope vs run
χ2 / ndf 271.3 / 79
p0 −287.1 ± 0.7266
pull
Entries 80
Mean −285.3
Std Dev 322
pull1D
Entries 80
Mean −0.0865
Std Dev 1.839



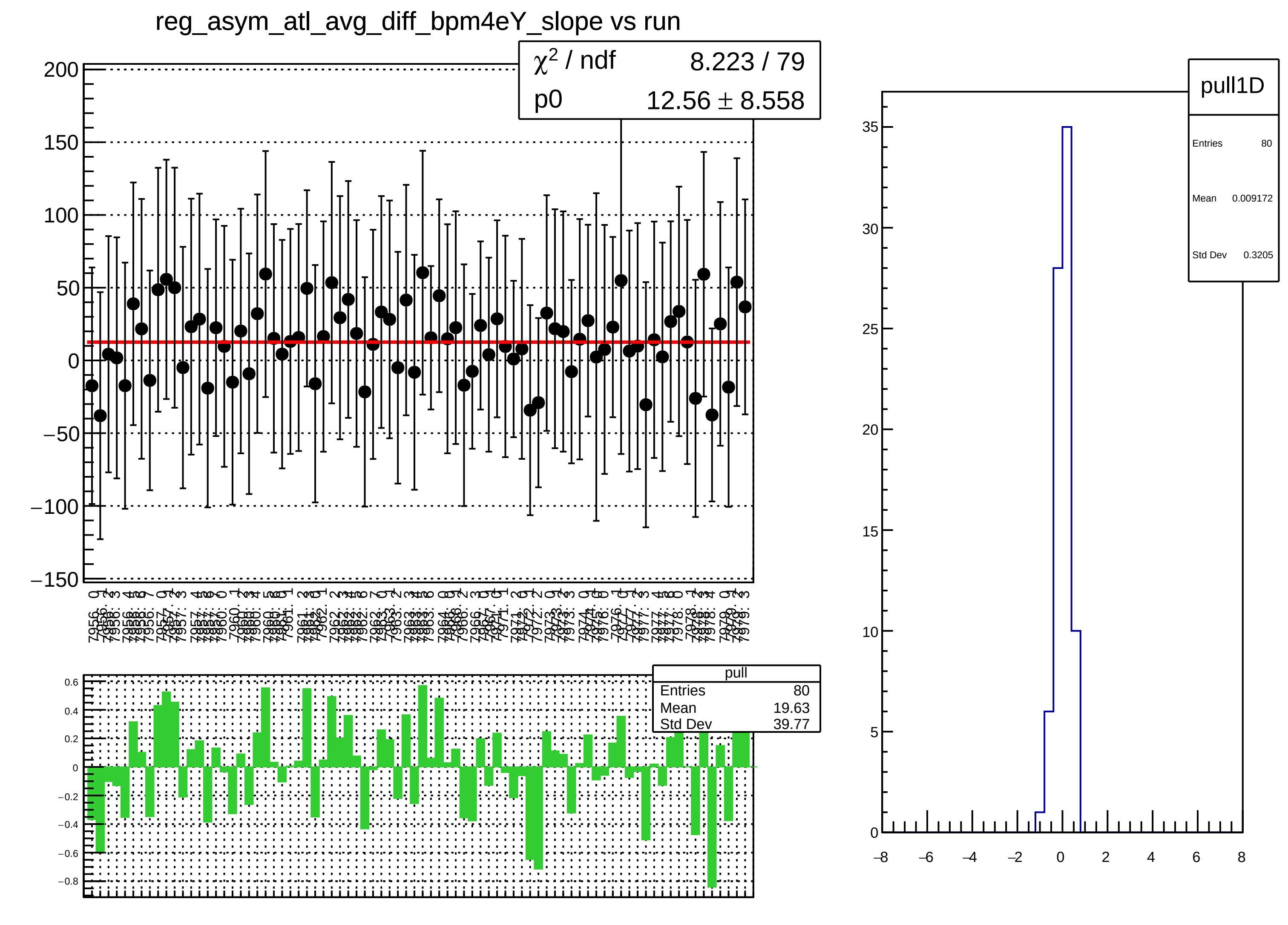
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ2 / ndf 48.16 / 79
p0 −119.5 ± 7.162
pull
Entries 80
Mean 81.61
Std Dev 33.94
pull1D
Entries 80
Mean 0.0431
Std Dev 0.7747



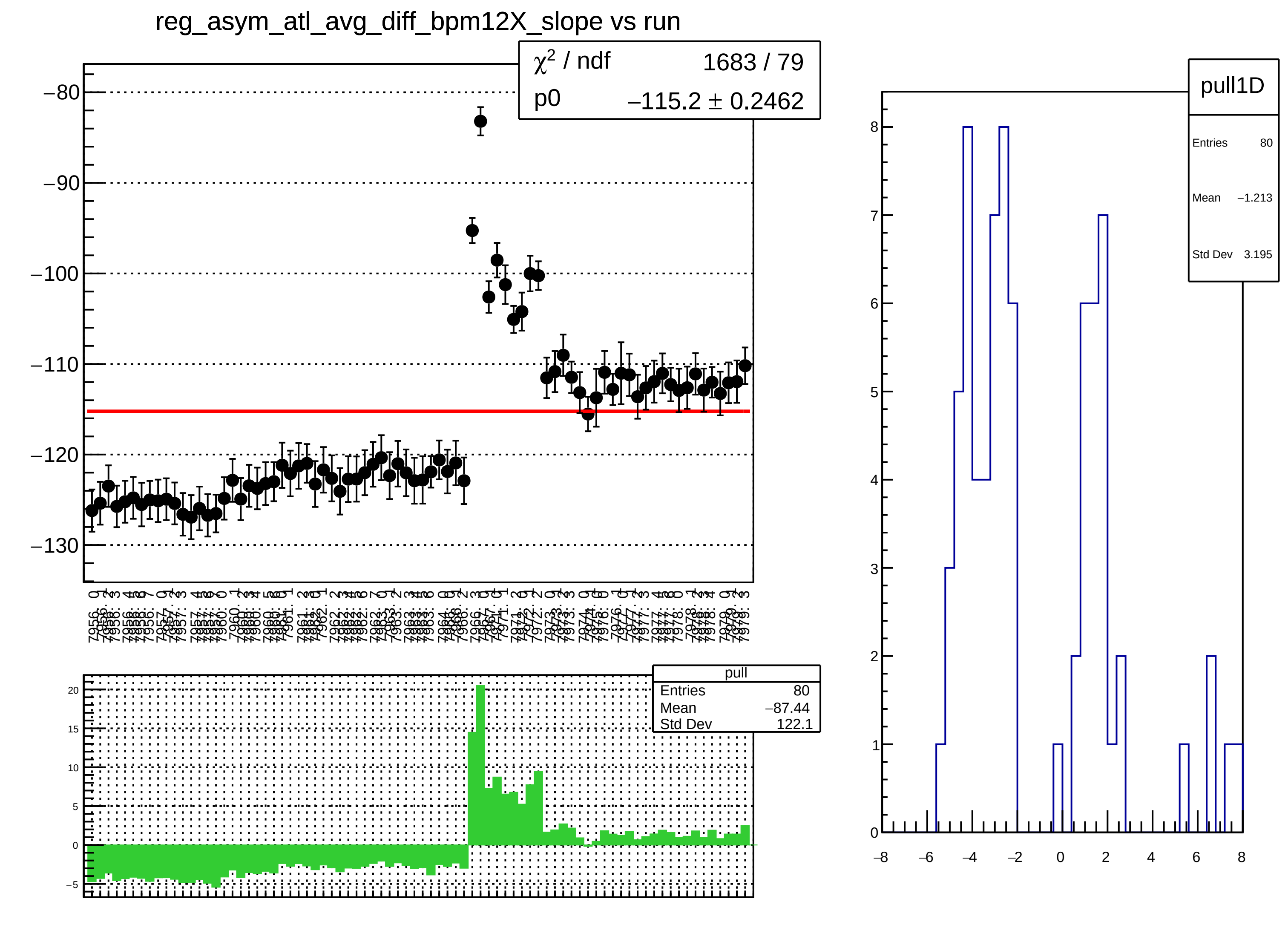
reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.119 / 79
p0 35.05 ± 7.475
pull
Entries 80
Mean 208.4
Std Dev 183.2
pull1D
Entries 80
Mean −0.004251
Std Dev 0.3186



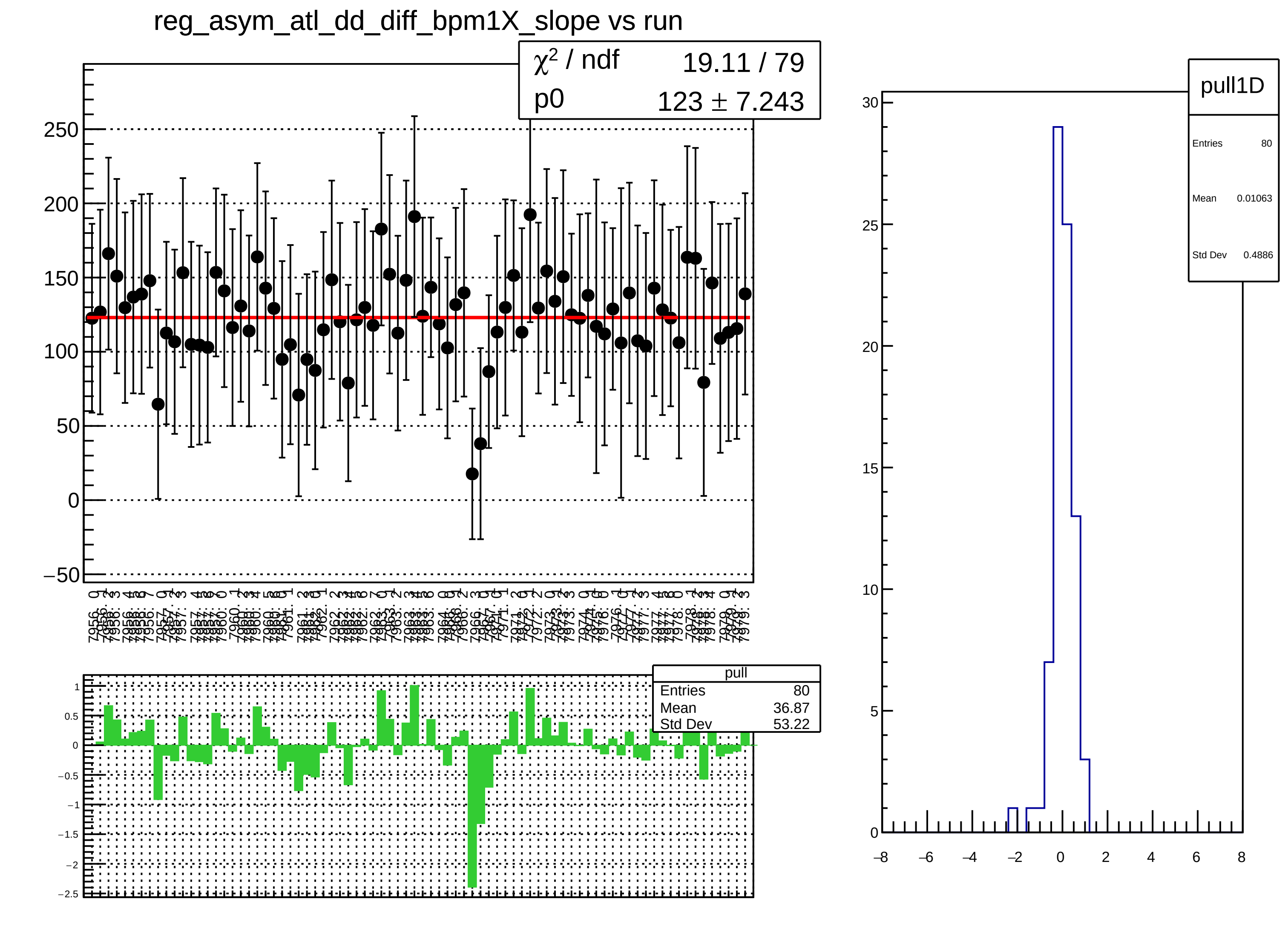
reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 46.63 / 79
p0 89.88 ± 6.35
pull
Entries 80
Mean 86.17
Std Dev 42.27
pull1D
Entries 80
Mean −0.0409
Std Dev 0.7623



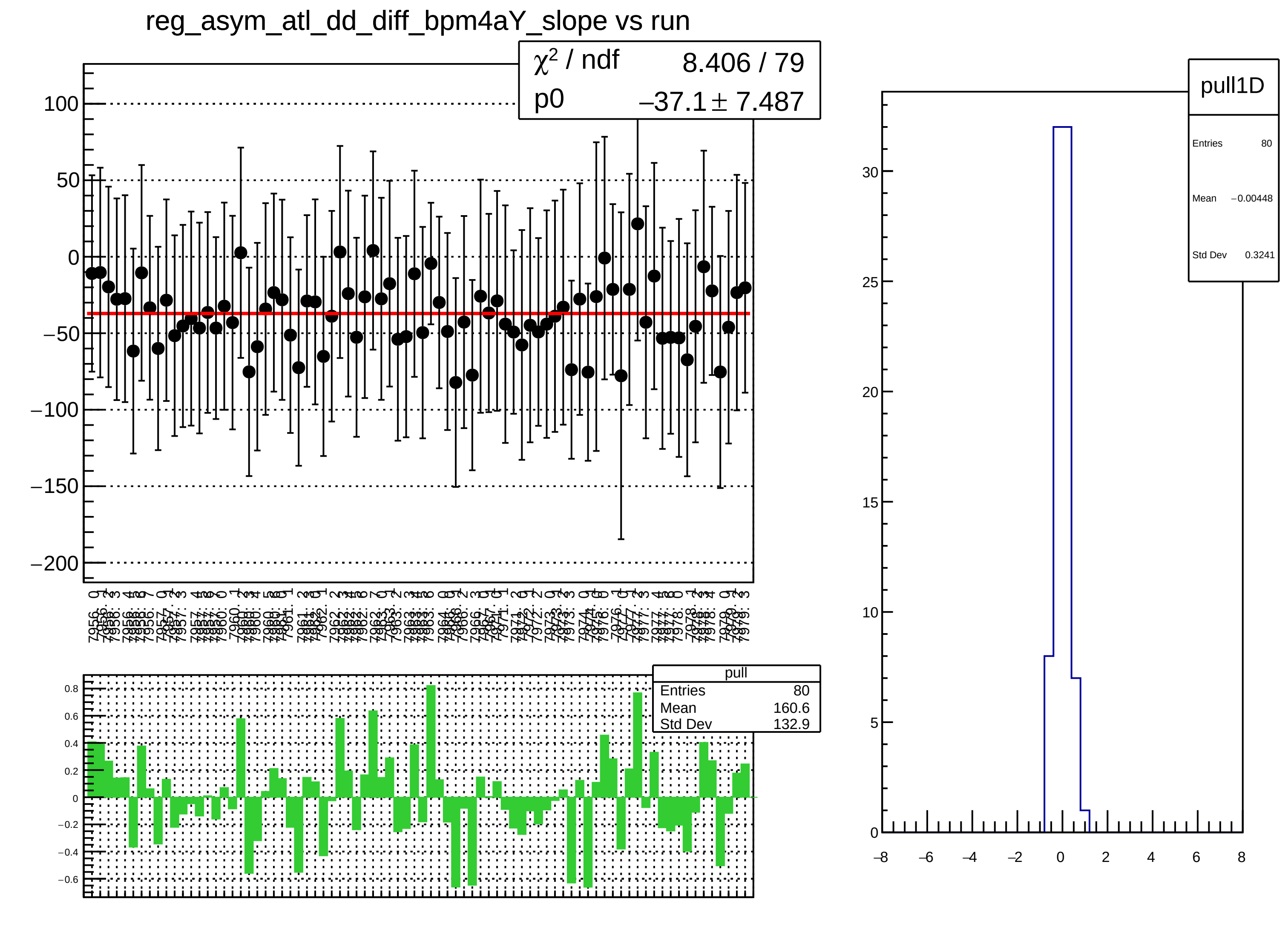
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.223 / 79
p0 12.56 ± 8.558
pull
Entries 80
Mean 19.63
Std Dev 39.77
pull1D
Entries 80
Mean 0.009172
Std Dev 0.3205



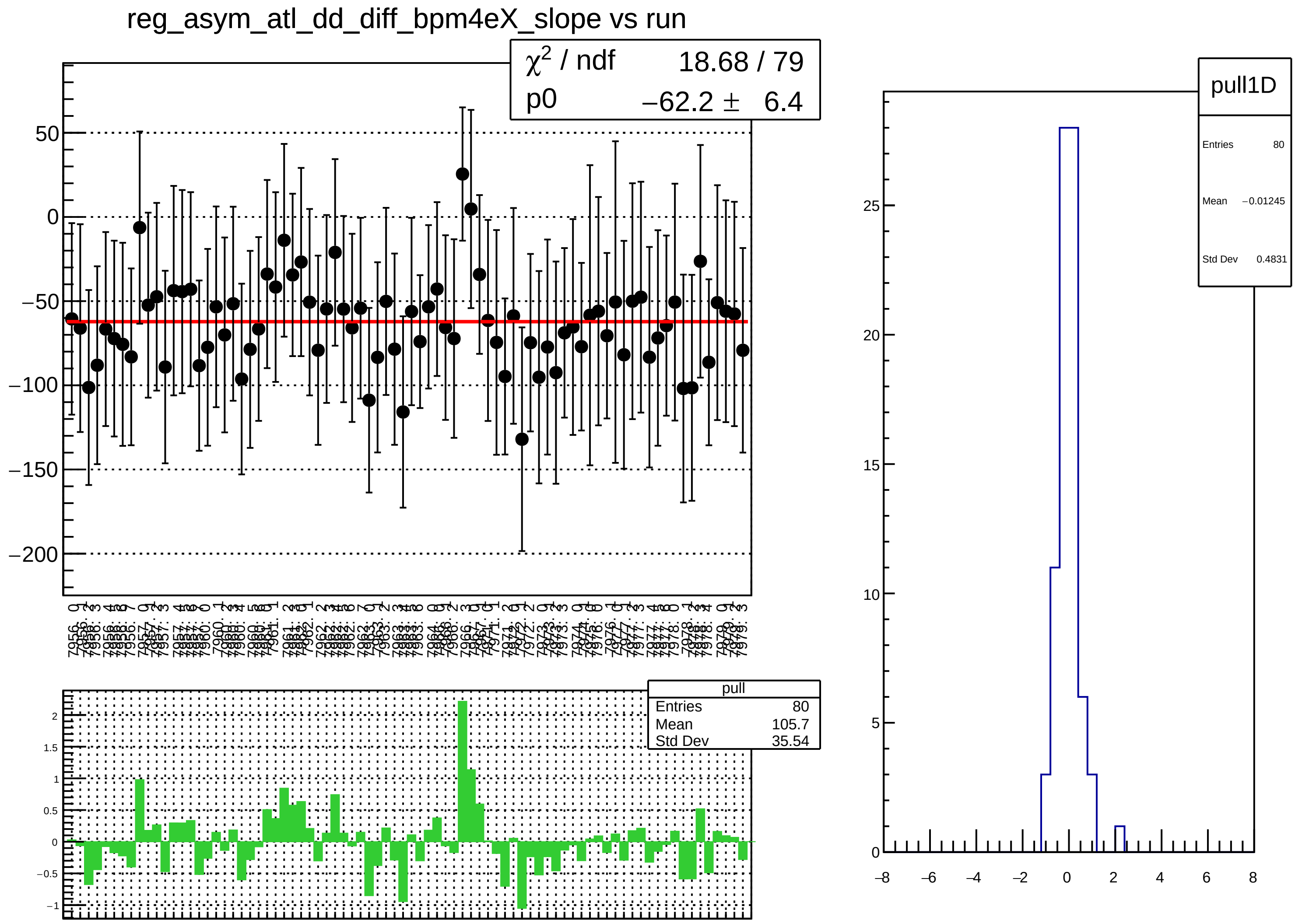
reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 1683 / 79
p0 −115.2 ± 0.2462
pull
Entries 80
Mean −87.44
Std Dev 122.1
pull1D
Entries 80
Mean −1.213
Std Dev 3.195



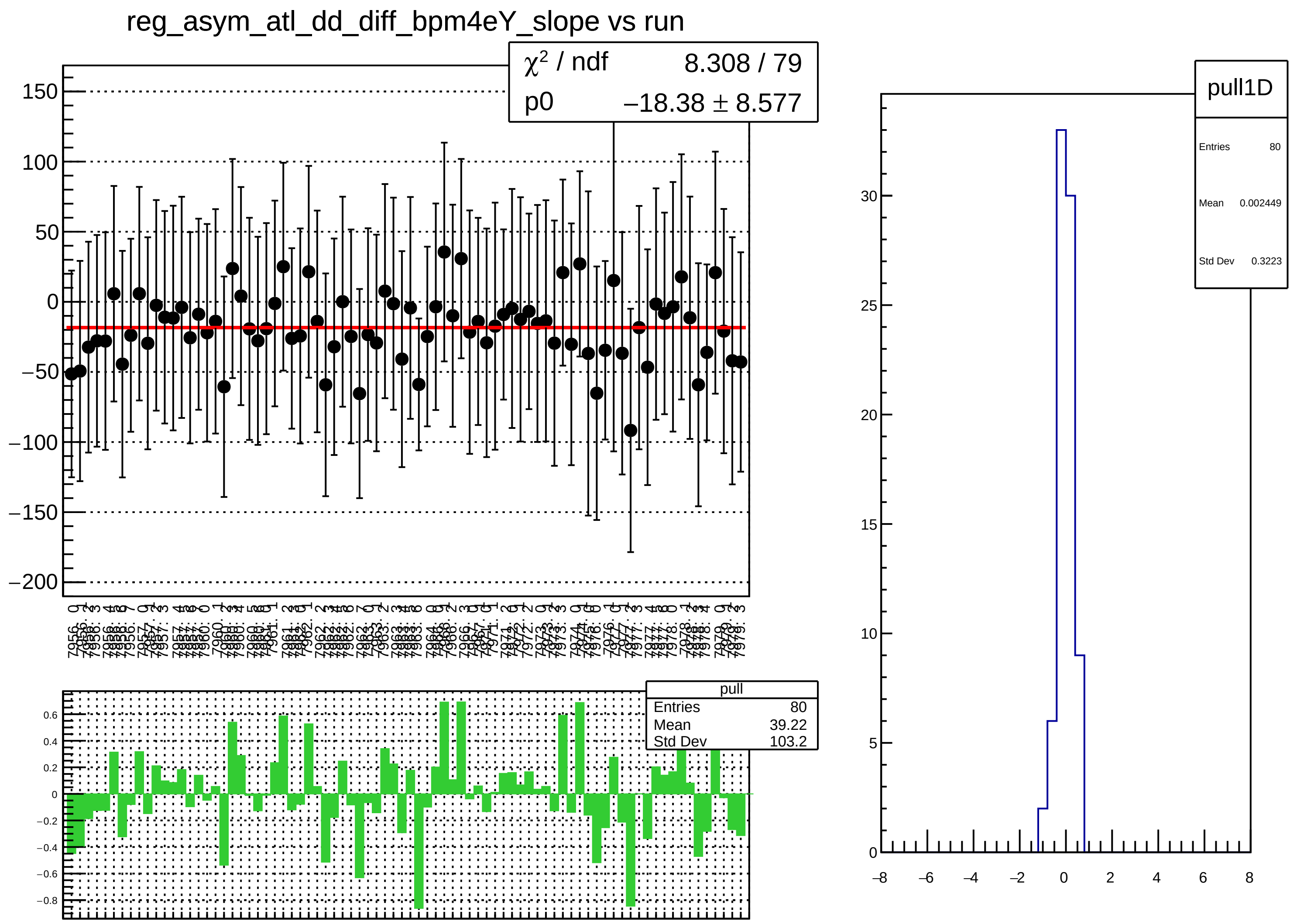
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 19.11 / 79
p0 123 ± 7.243
pull
Entries 80
Mean 36.87
Std Dev 53.22
pull1D
Entries 80
Mean 0.01063
Std Dev 0.4886

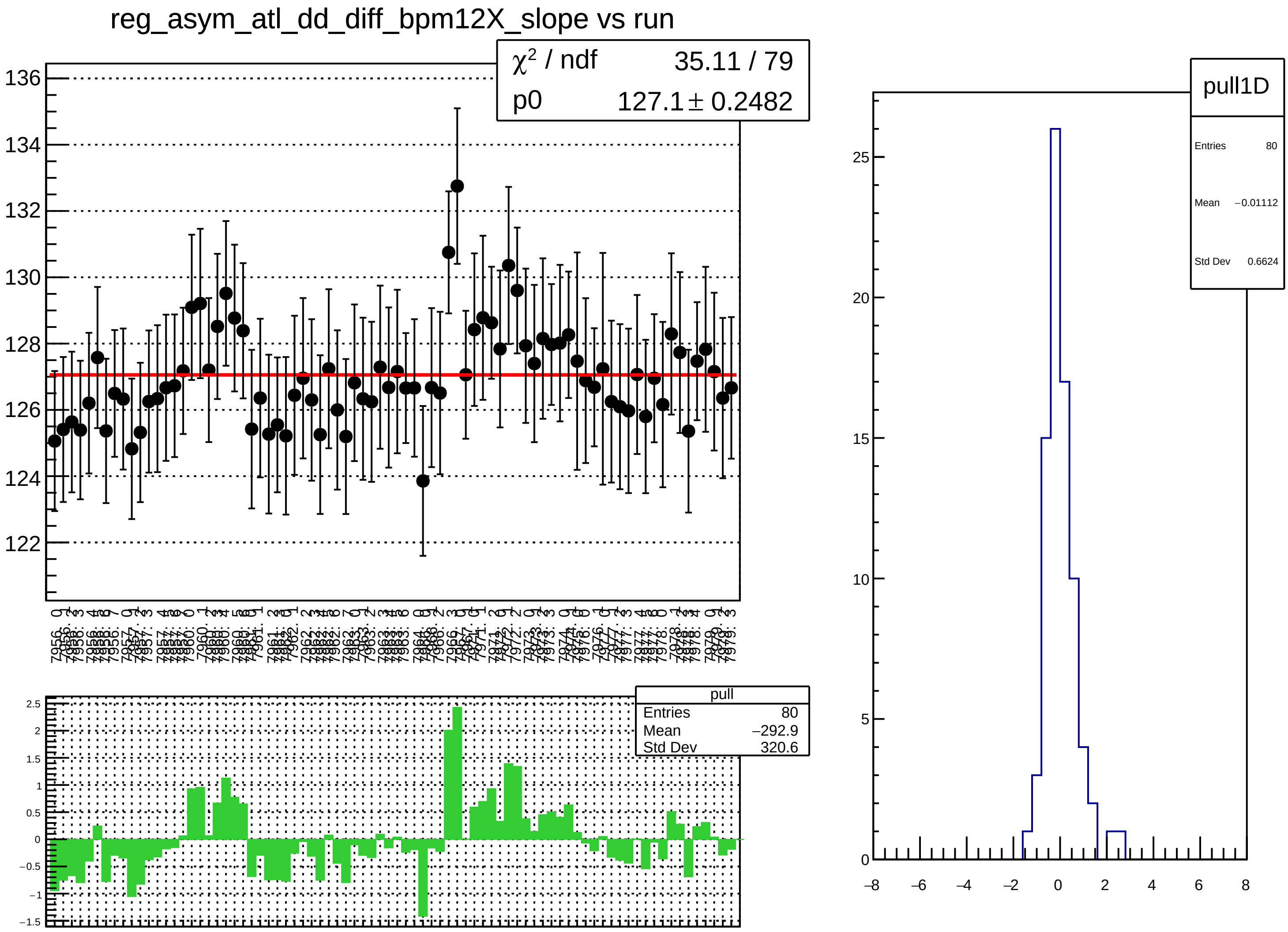


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.406 / 79
p0 −37.1 ± 7.487
pull
Entries 80
Mean 160.6
Std Dev 132.9
pull1D
Entries 80
Mean −0.00448
Std Dev 0.3241

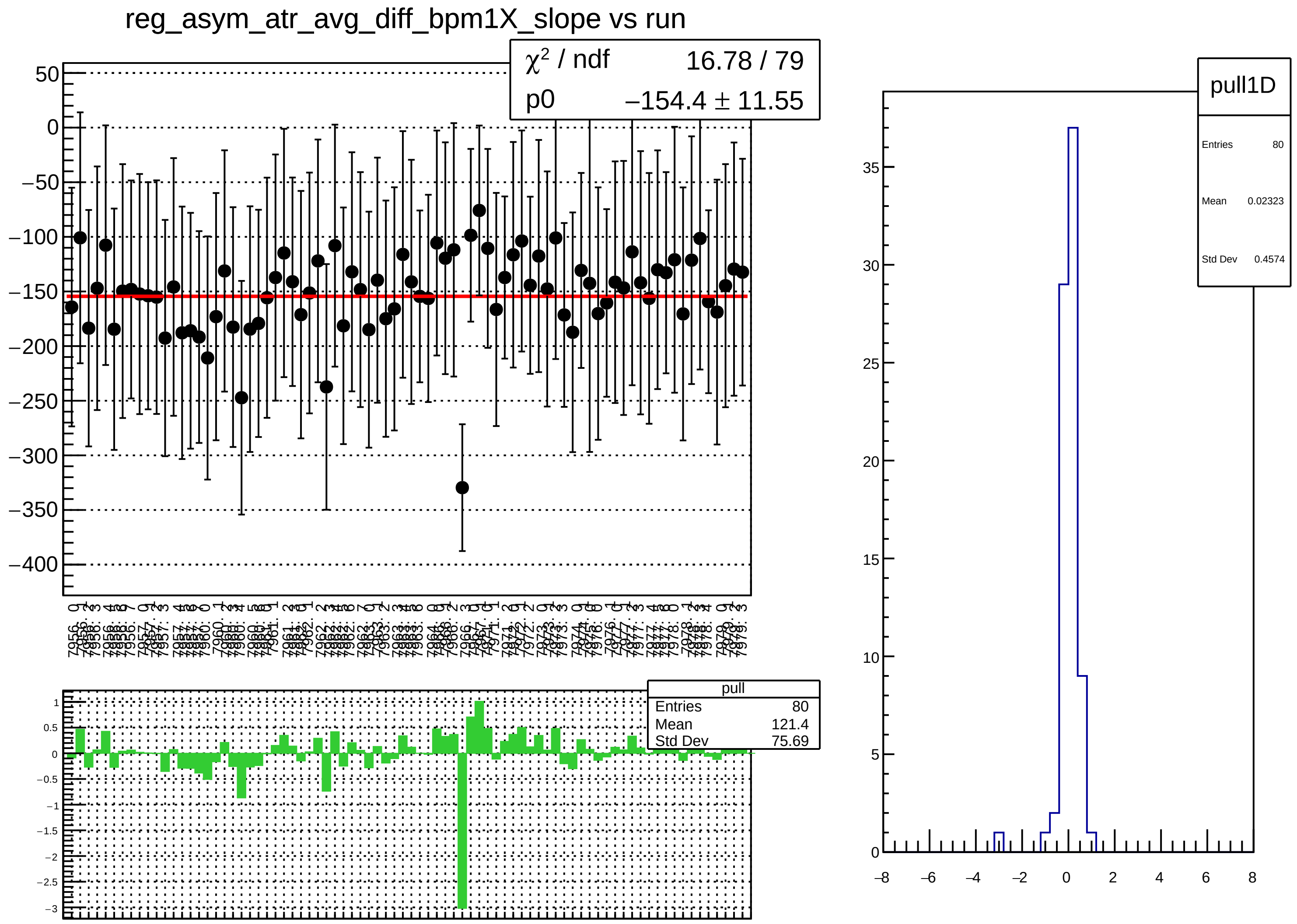


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.68 / 79
p0 −62.2 ± 6.4
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 105.7
Std Dev 35.54
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.01245
Std Dev 0.4831
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

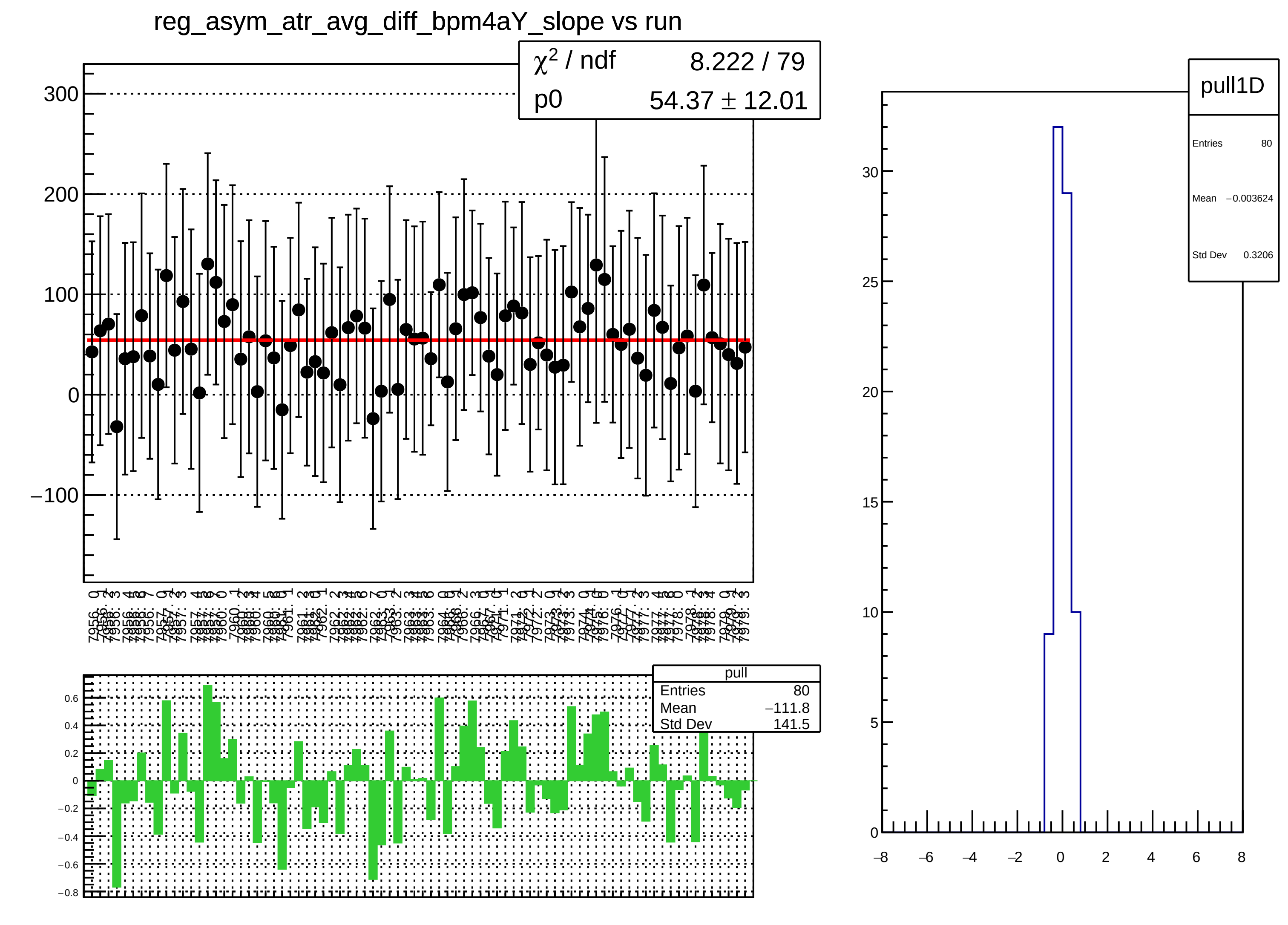

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ2 / ndf 8.308 / 79
p0 −18.38 ± 8.577
pull
Entries 80
Mean 39.22
Std Dev 103.2
pull1D
Entries 80
Mean 0.002449
Std Dev 0.3223



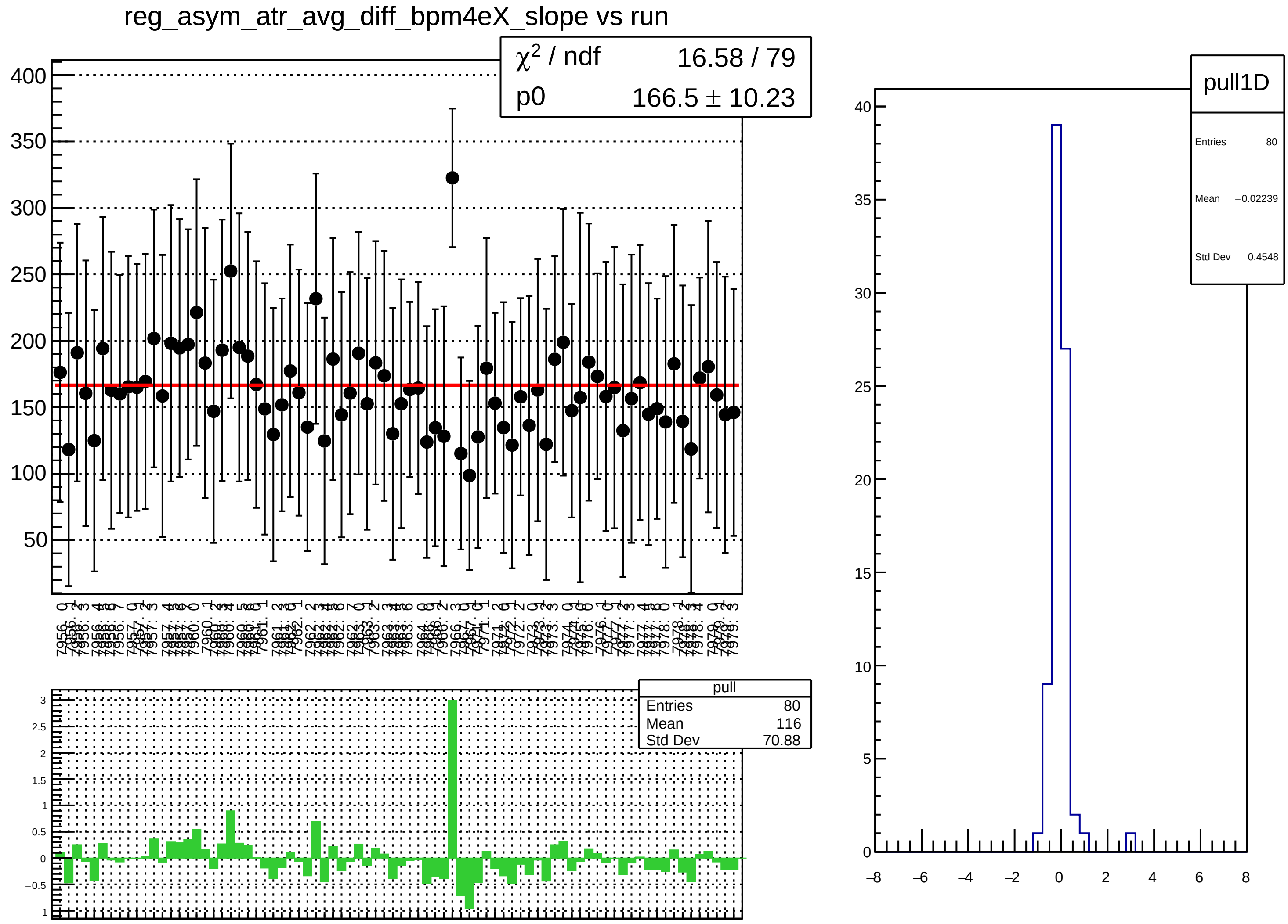
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 35.11 / 79
p0 127.1 ± 0.2482
pull
Entries 80
Mean −292.9
Std Dev 320.6
pull1D
Entries 80
Mean −0.01112
Std Dev 0.6624



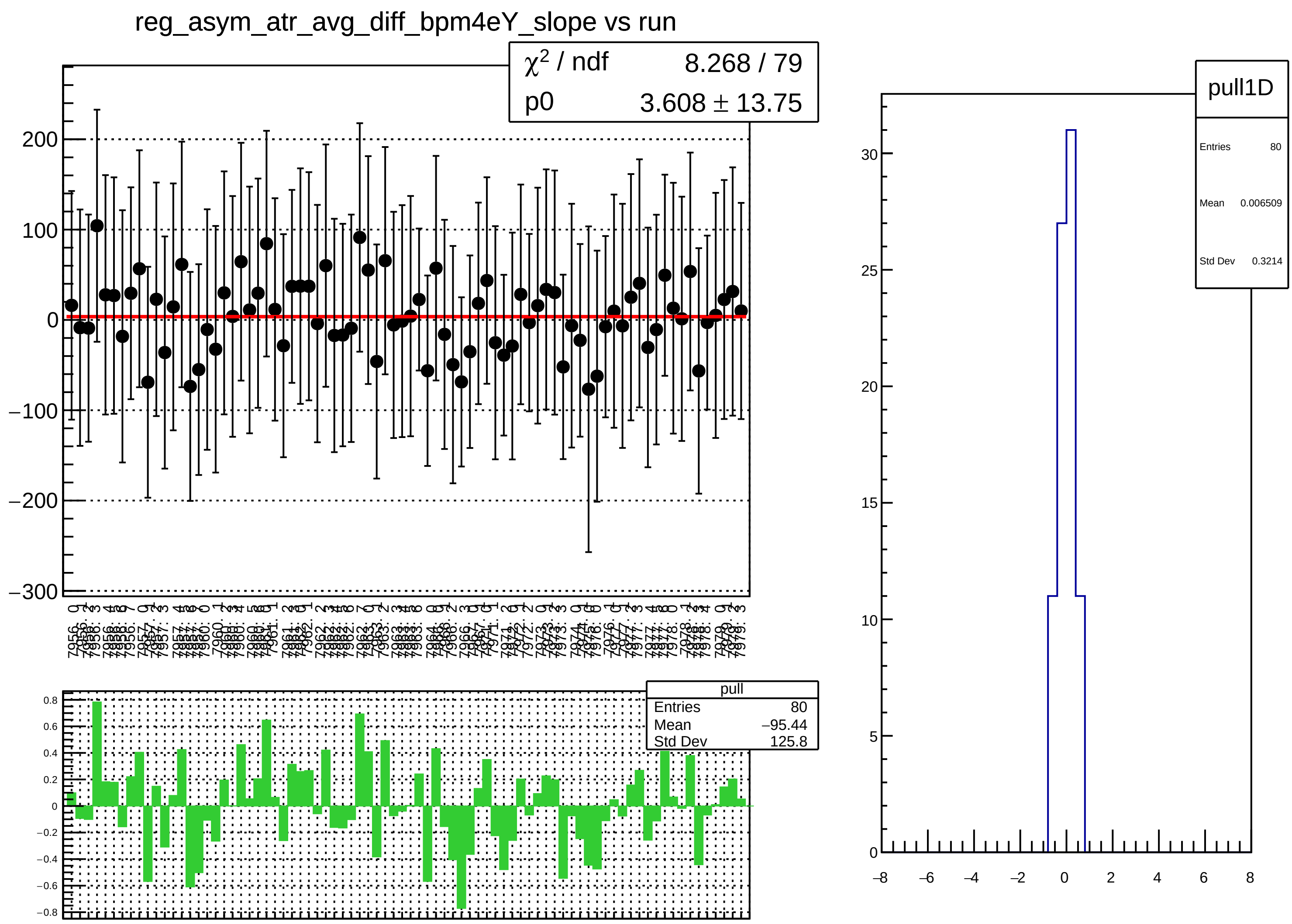
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 16.78 / 79
p0 −154.4 ± 11.55
pull
Entries 80
Mean 121.4
Std Dev 75.69
pull1D
Entries 80
Mean 0.02323
Std Dev 0.4574



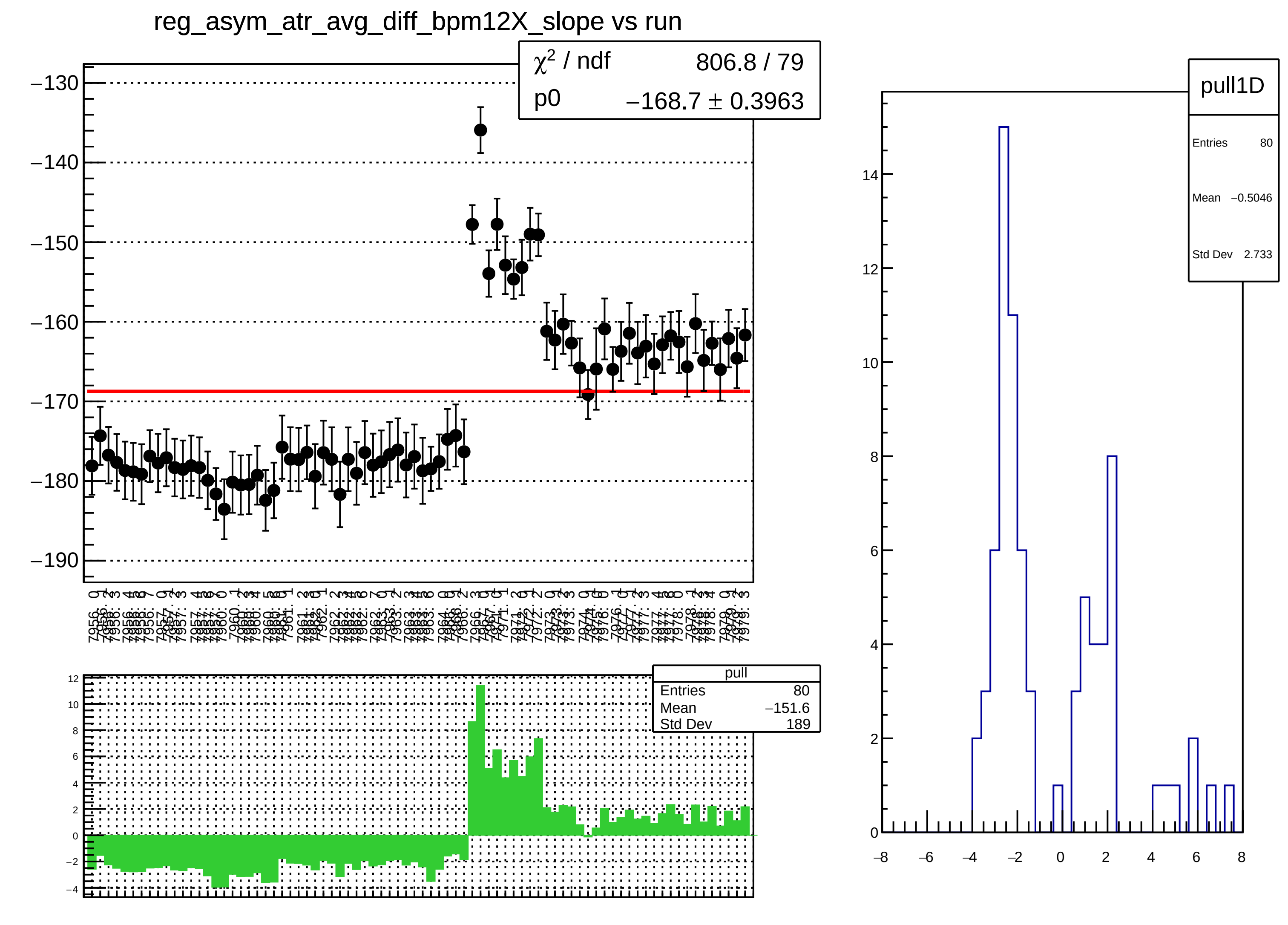
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.222 / 79
p0 54.37 ± 12.01
pull
Entries 80
Mean −111.8
Std Dev 141.5
pull1D
Entries 80
Mean −0.003624
Std Dev 0.3206



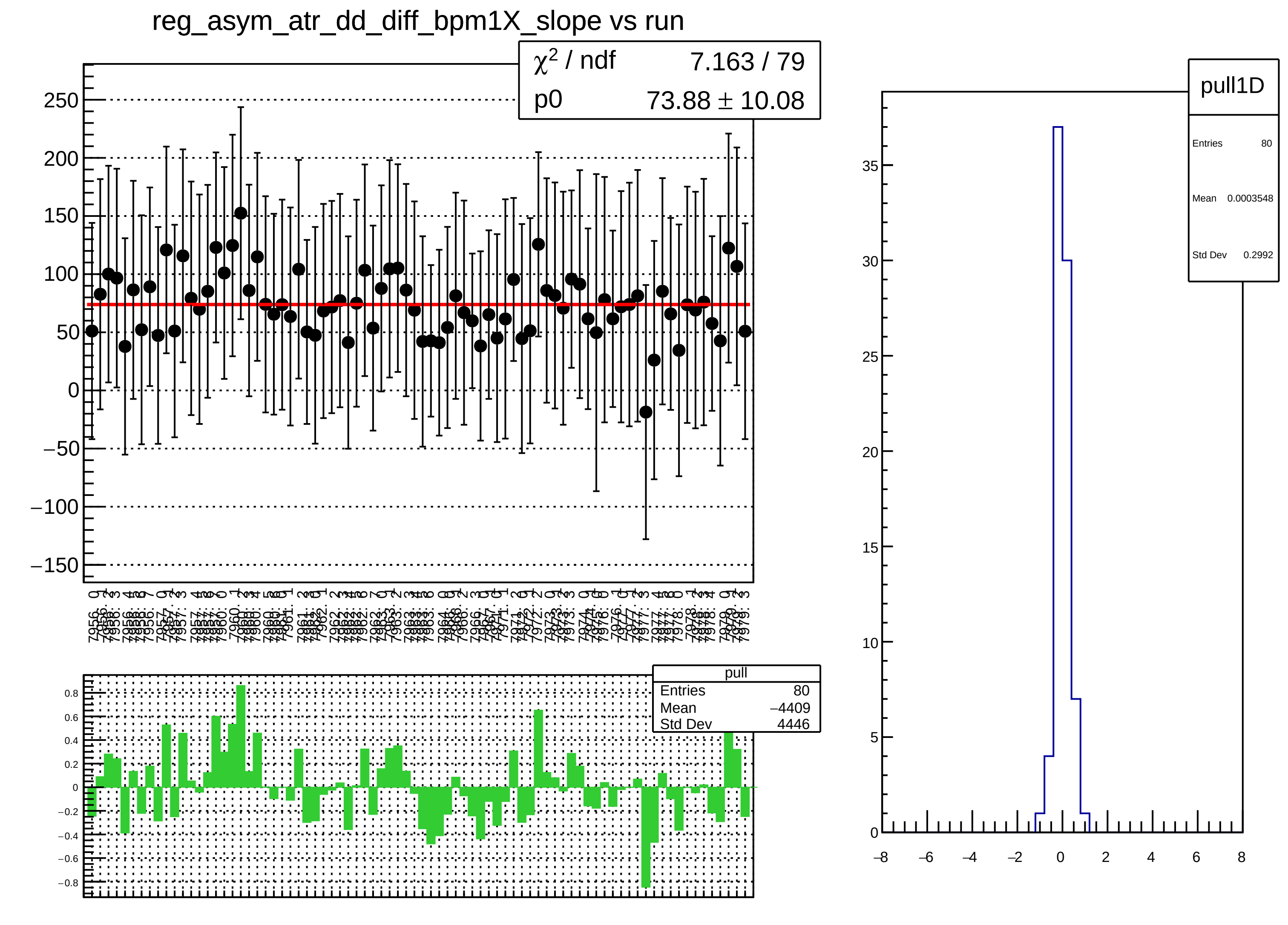
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 16.58 / 79
p0 166.5 ± 10.23
pull
Entries 80
Mean 116
Std Dev 70.88
pull1D
Entries 80
Mean −0.02239
Std Dev 0.4548



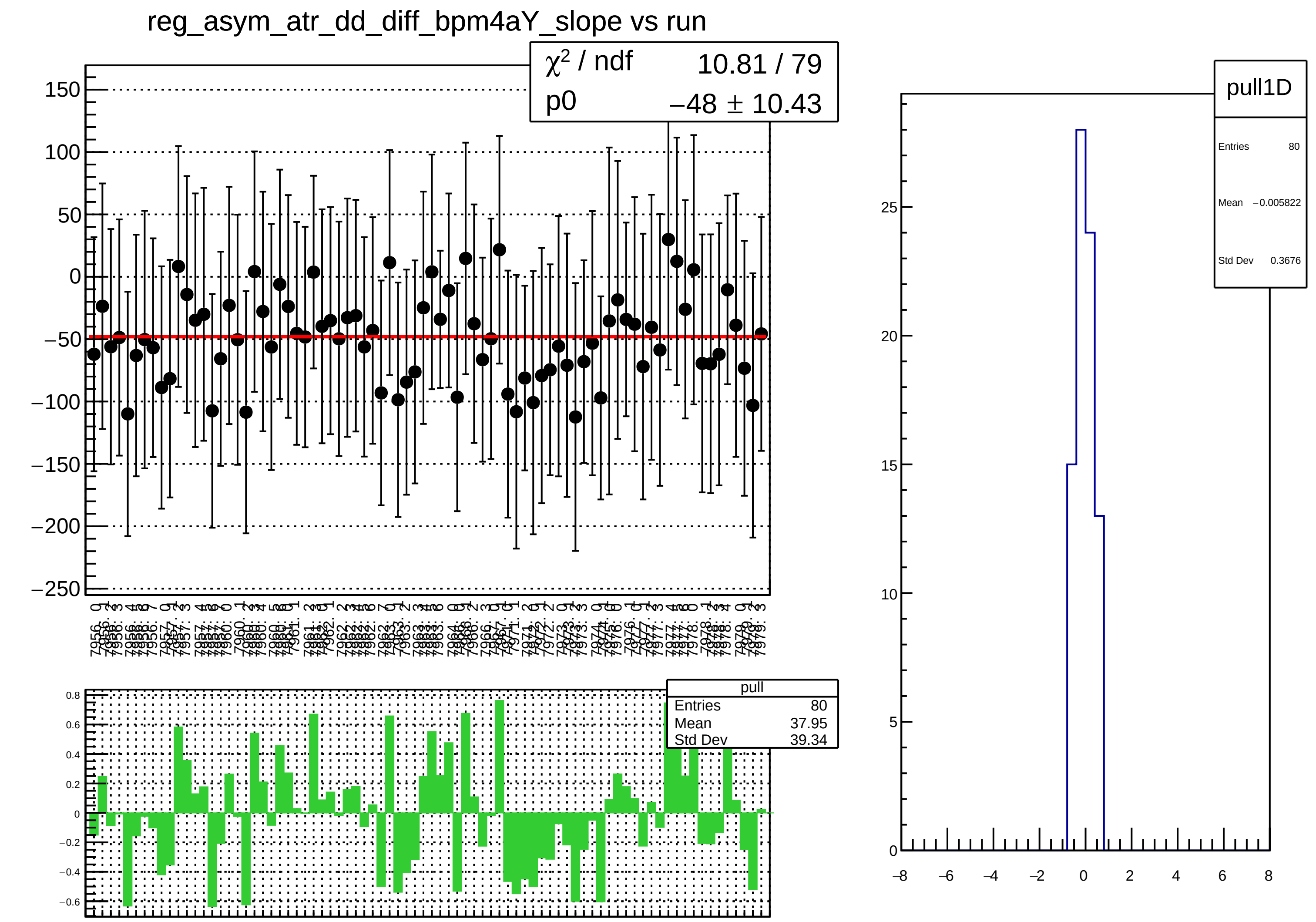
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.268 / 79
p0 3.608 ± 13.75
pull
Entries 80
Mean −95.44
Std Dev 125.8
pull1D
Entries 80
Mean 0.006509
Std Dev 0.3214



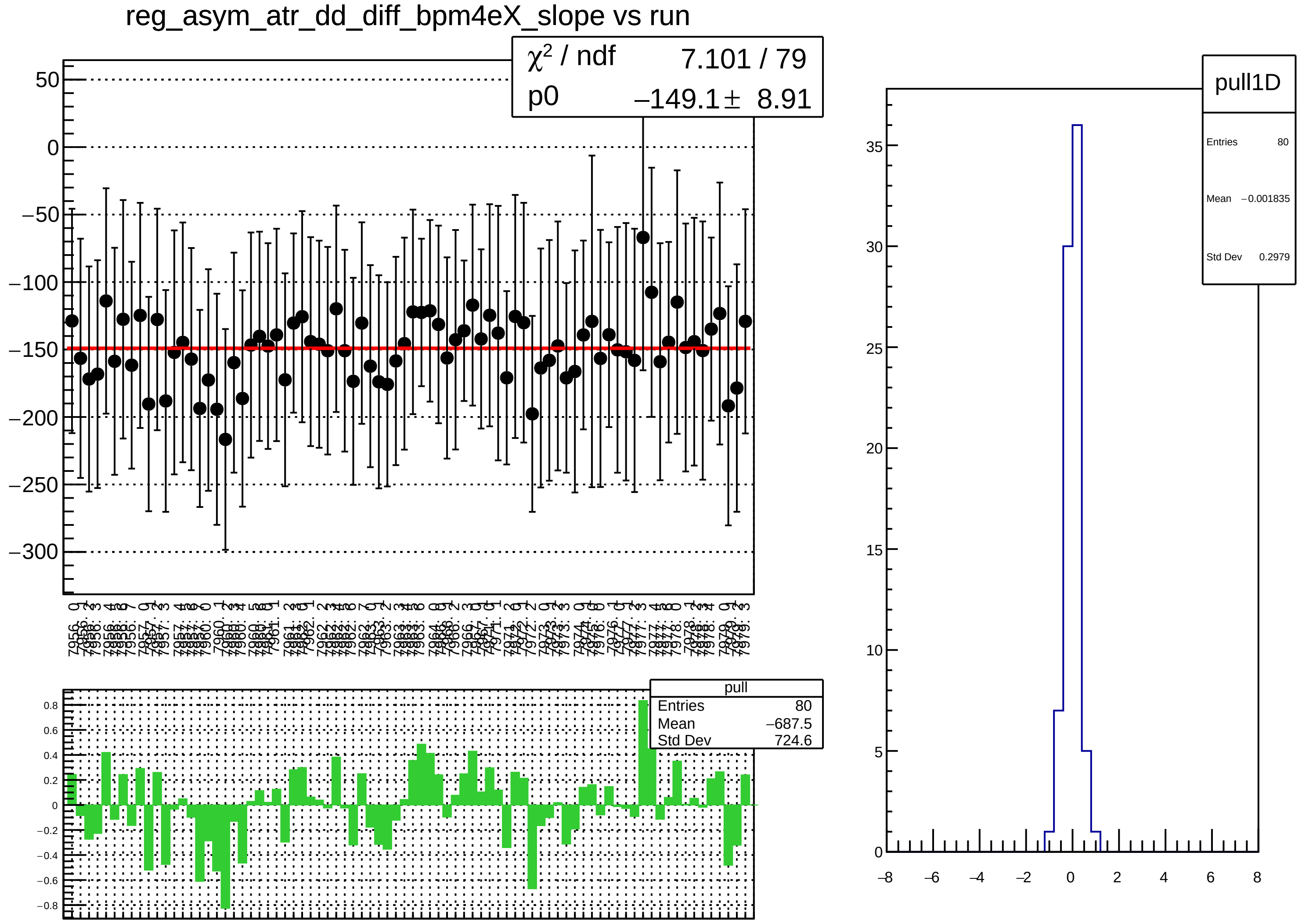
reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 806.8 / 79
p0 −168.7 ± 0.3963
pull
Entries 80
Mean −151.6
Std Dev 189
pull1D
Entries 80
Mean −0.5046
Std Dev 2.733



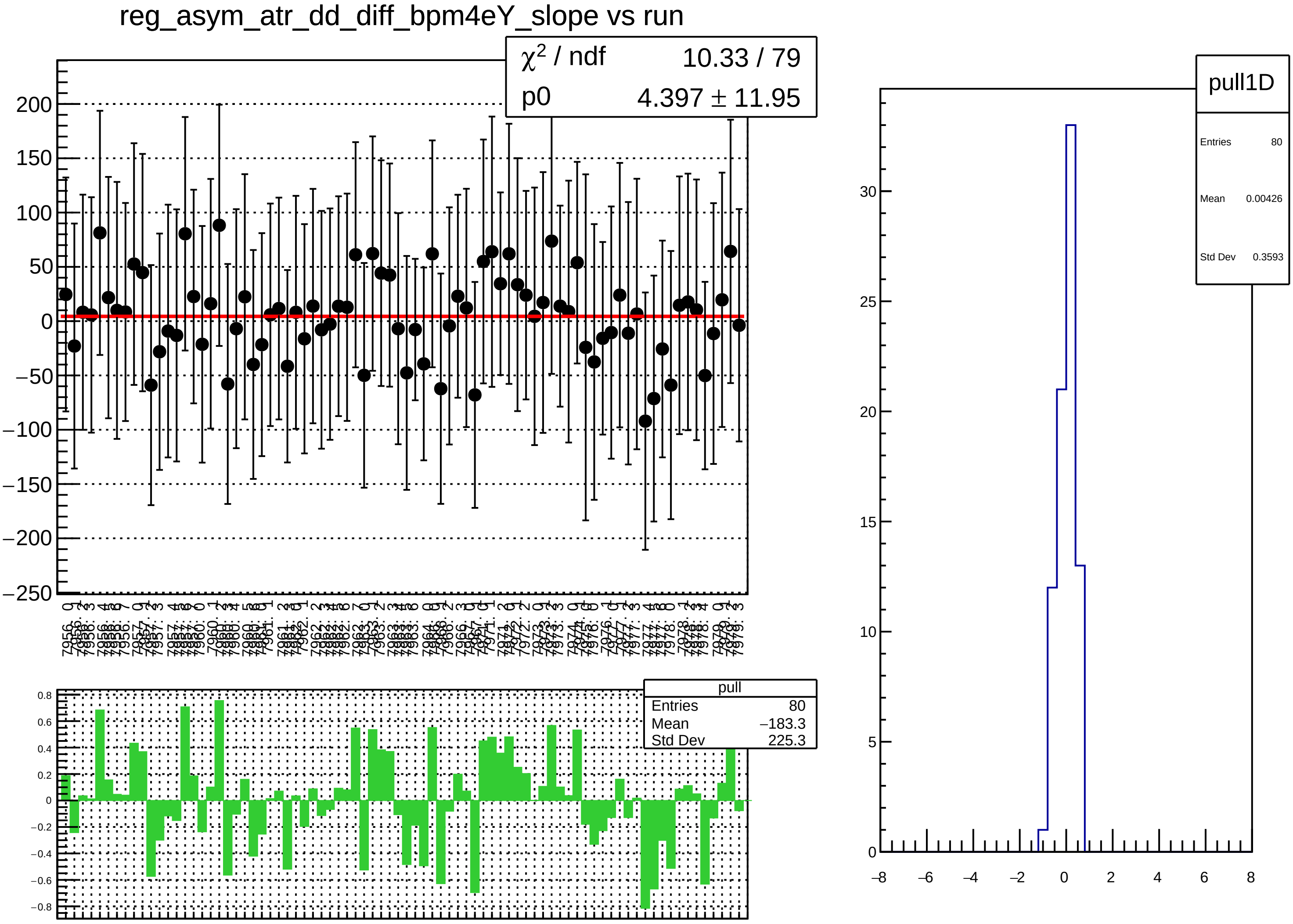
reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 7.163 / 79
p0 73.88 ± 10.08
pull
Entries 80
Mean −4409
Std Dev 4446
pull1D
Entries 80
Mean 0.0003548
Std Dev 0.2992

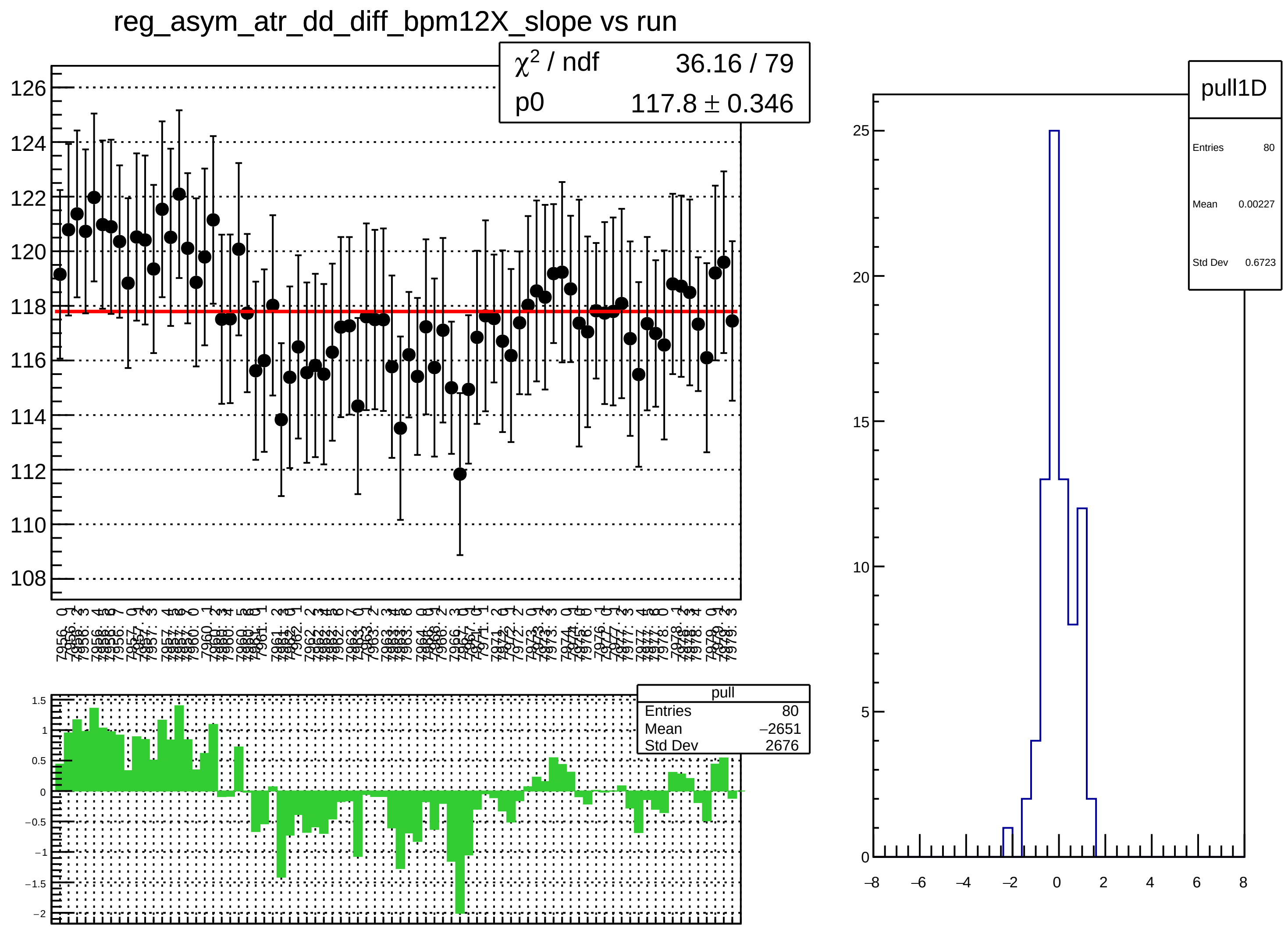


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.81 / 79
p0 −48 ± 10.43
pull
Entries 80
Mean 37.95
Std Dev 39.34
pull1D
Entries 80
Mean −0.005822
Std Dev 0.3676

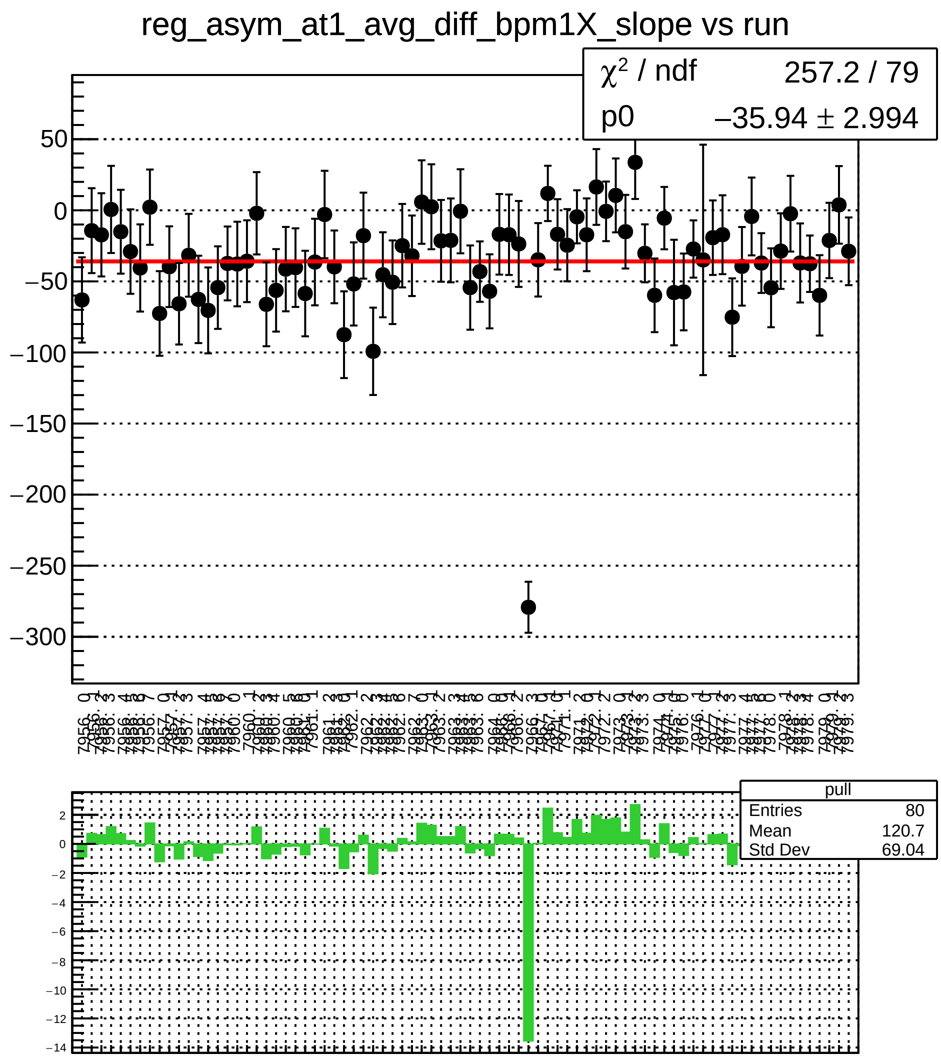


reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ2 / ndf 7.101 / 79
p0 −149.1 ± 8.91
pull
Entries 80
Mean −687.5
Std Dev 724.6
pull1D
Entries 80
Mean −0.001835
Std Dev 0.2979

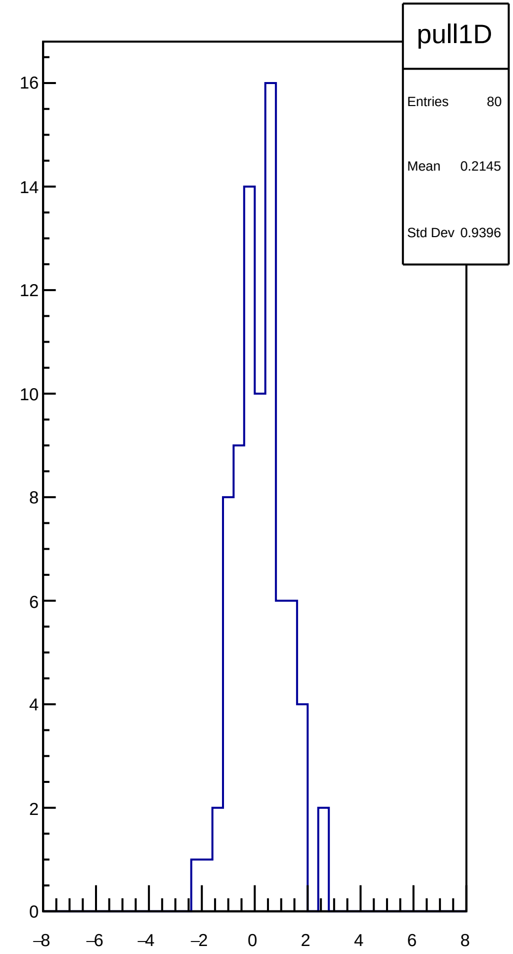

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 10.33 / 79
p0 4.397 ± 11.95
pull
Entries 80
Mean −183.3
Std Dev 225.3
pull1D
Entries 80
Mean 0.00426
Std Dev 0.3593



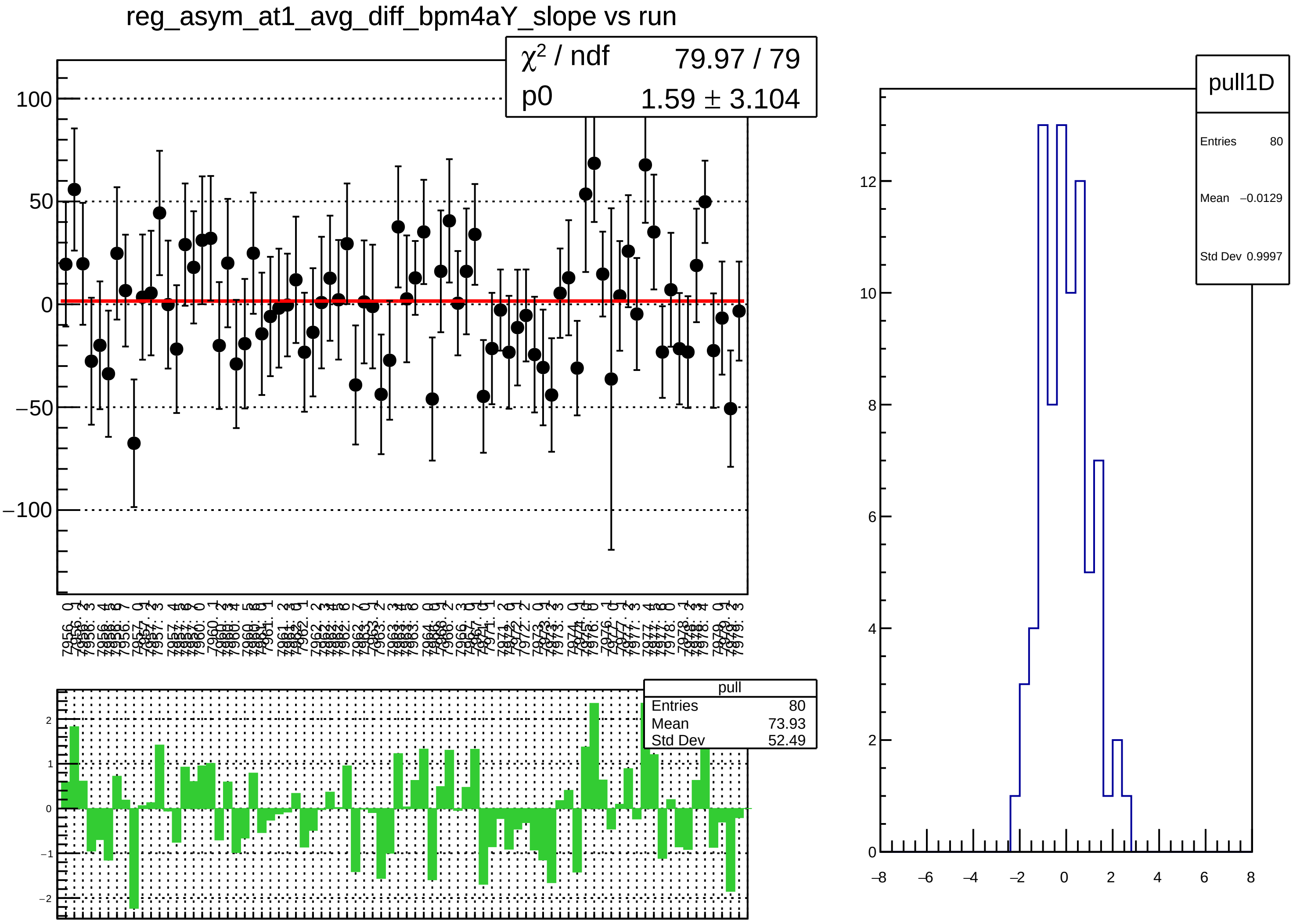
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 36.16 / 79
p0 117.8 ± 0.346
126
124
122
120
118
116
114
112
110
108
pull
Entries 80
Mean −2651
Std Dev 2676
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 80
Mean 0.00227
Std Dev 0.6723
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



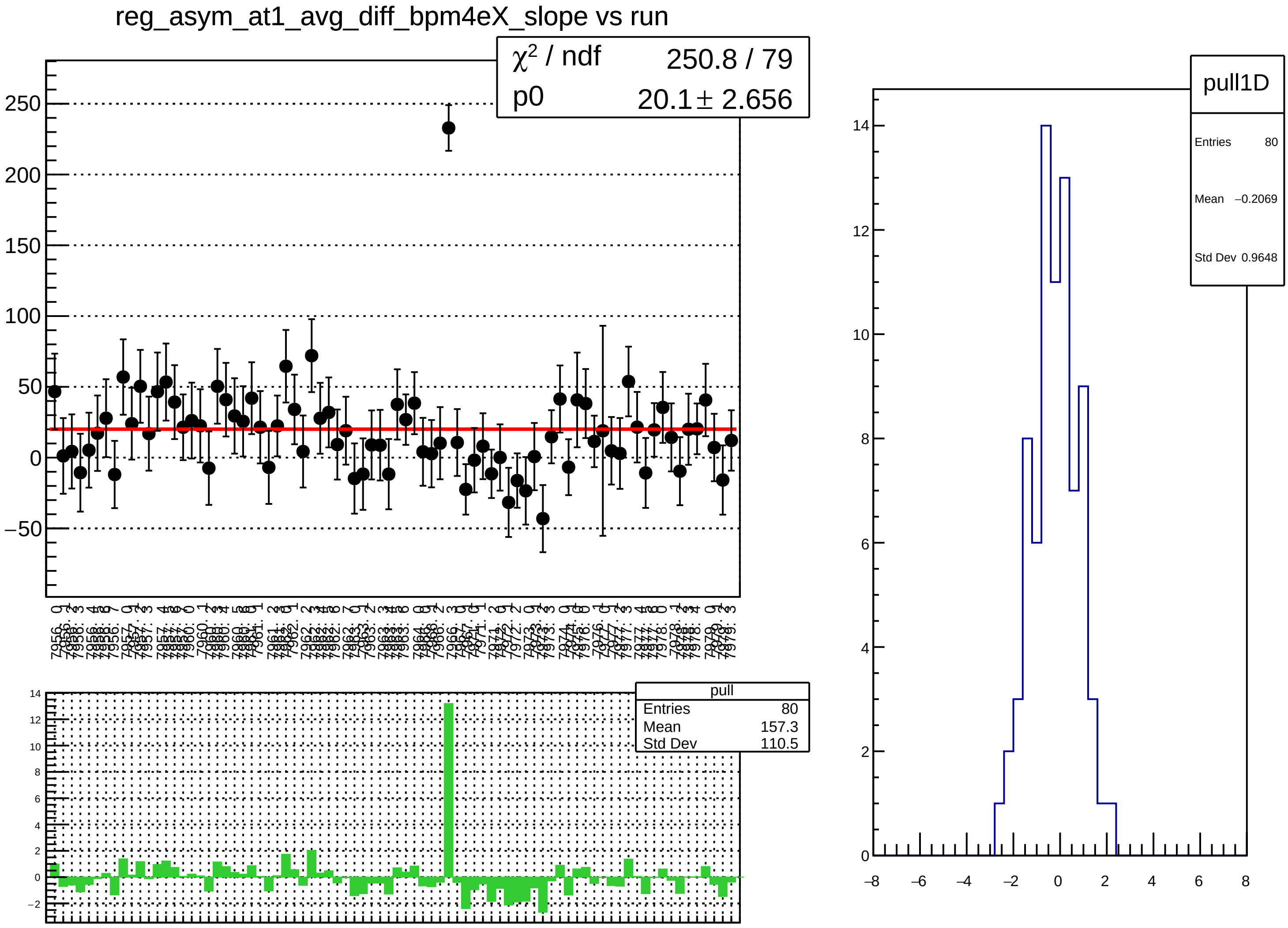
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 257.2 / 79
p0 −35.94 ± 2.994
pull
Entries 80
Mean 120.7
Std Dev 69.04



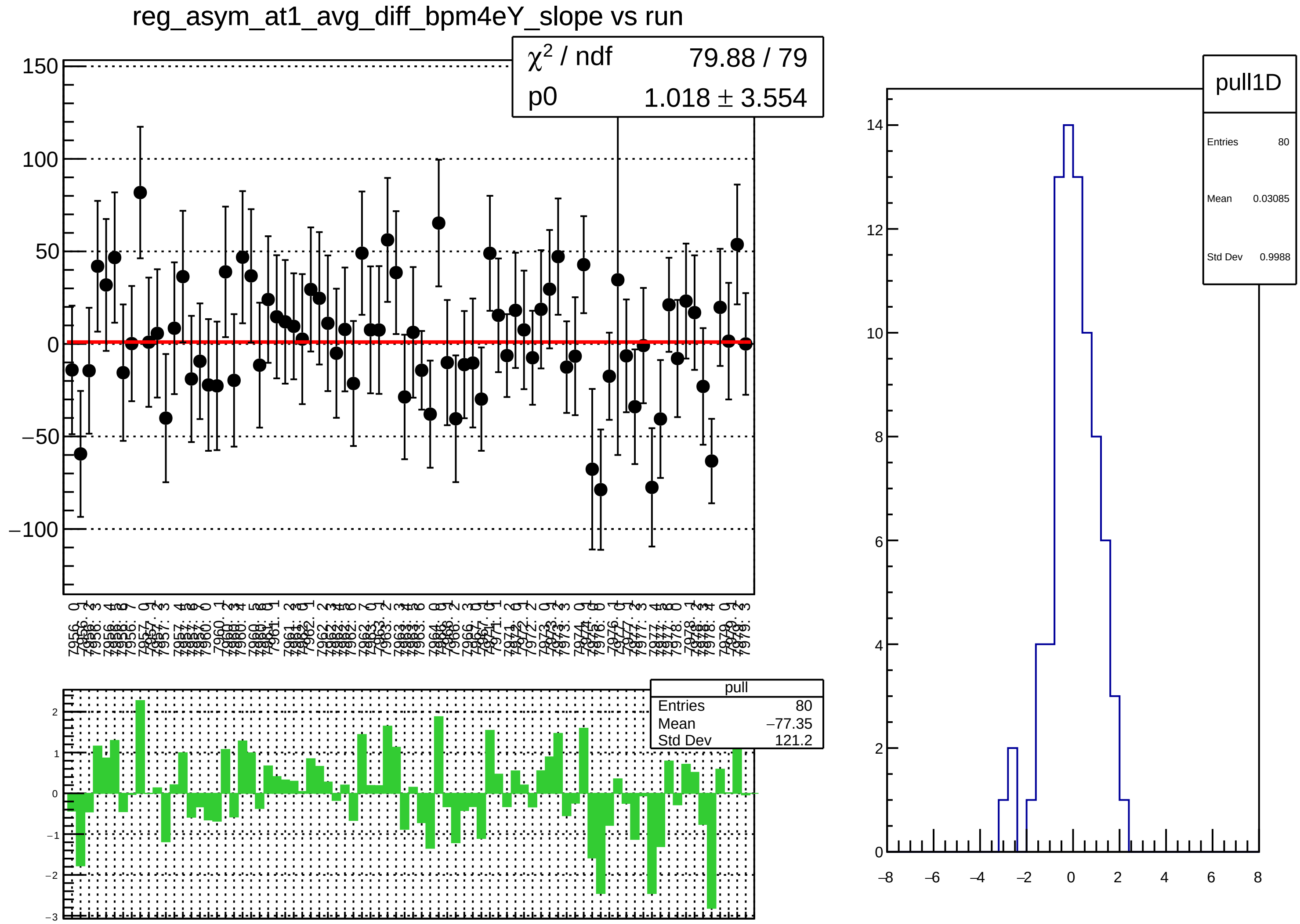
pull1D
Entries 80
Mean 0.2145
Std Dev 0.9396



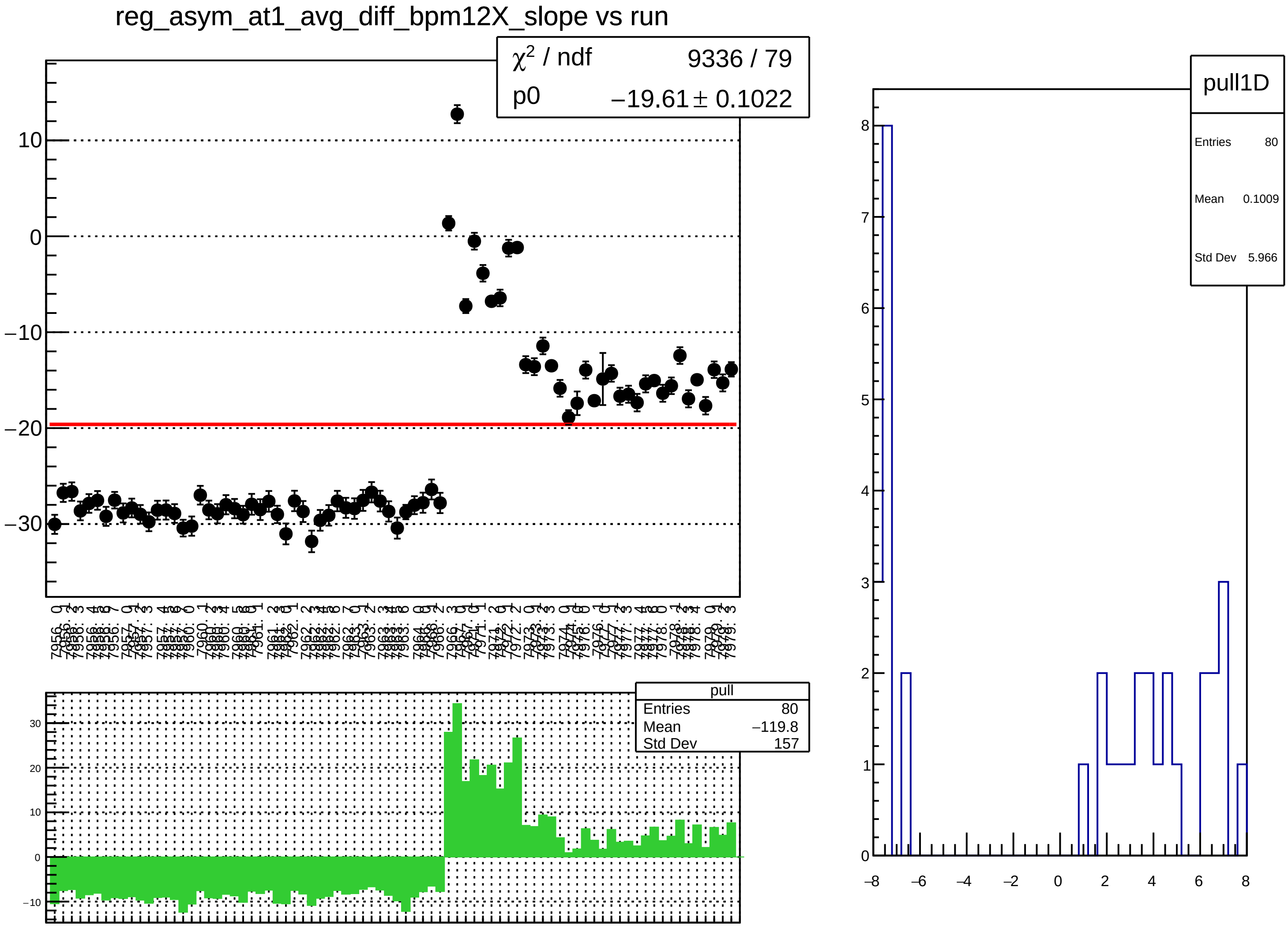
reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 79.97 / 79
p0 1.59 ± 3.104
pull
Entries 80
Mean 73.93
Std Dev 52.49
pull1D
Entries 80
Mean −0.0129
Std Dev 0.9997



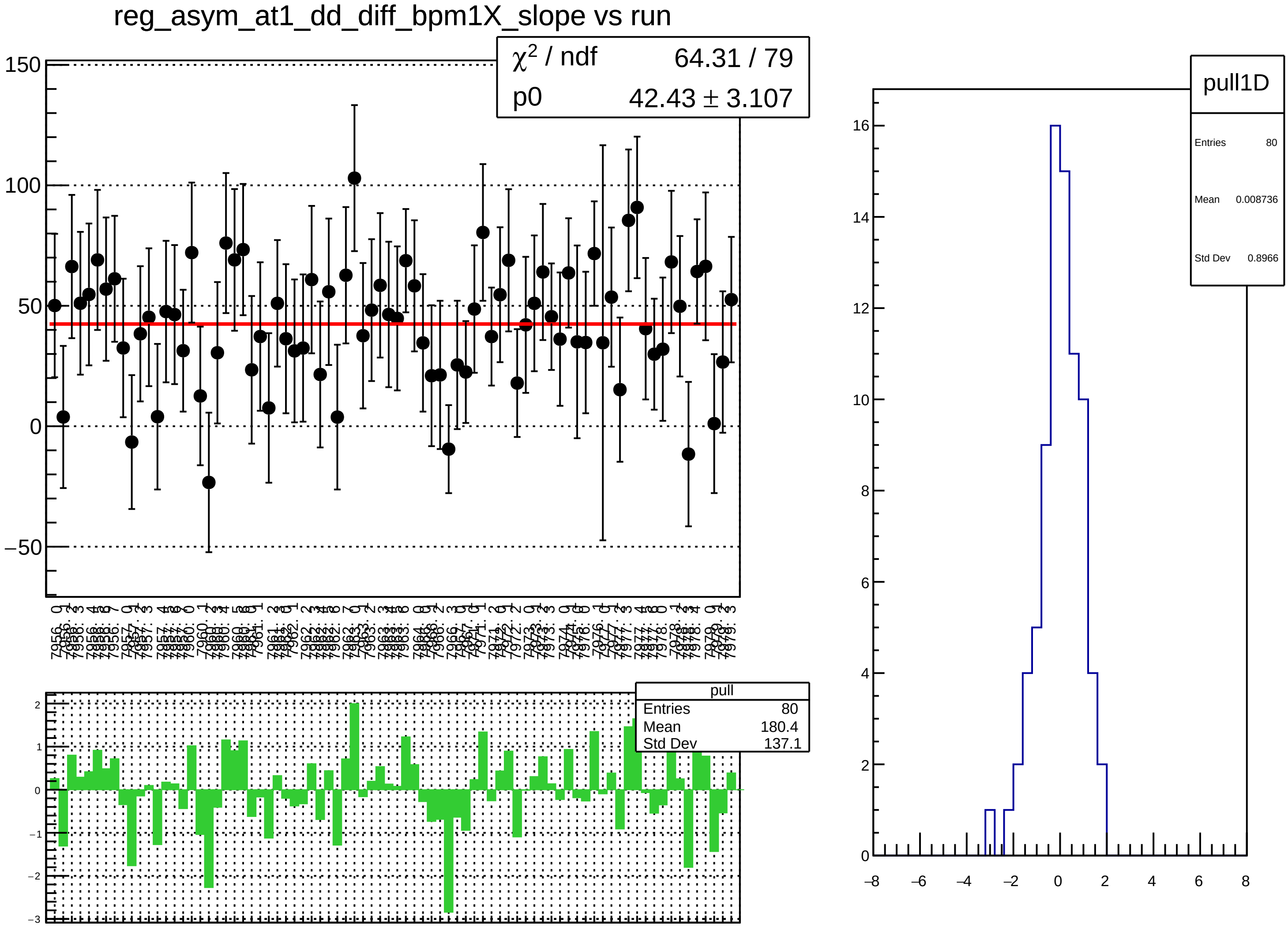
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 250.8 / 79
p0 20.1 ± 2.656
pull
Entries 80
Mean 157.3
Std Dev 110.5
pull1D
Entries 80
Mean −0.2069
Std Dev 0.9648

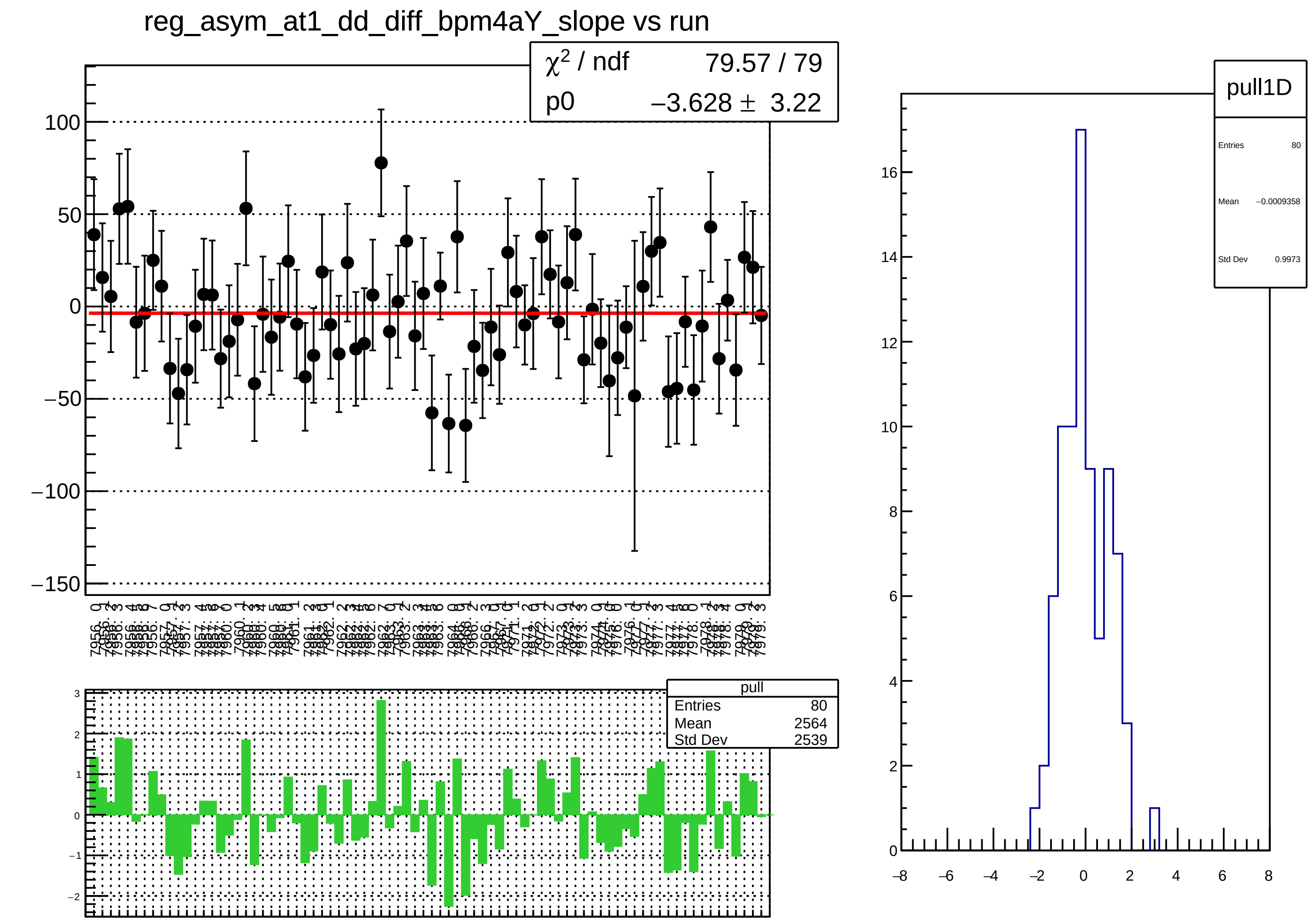


reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 79.88 / 79
p0 1.018 ± 3.554
pull
Entries 80
Mean −77.35
Std Dev 121.2
pull1D
Entries 80
Mean 0.03085
Std Dev 0.9988

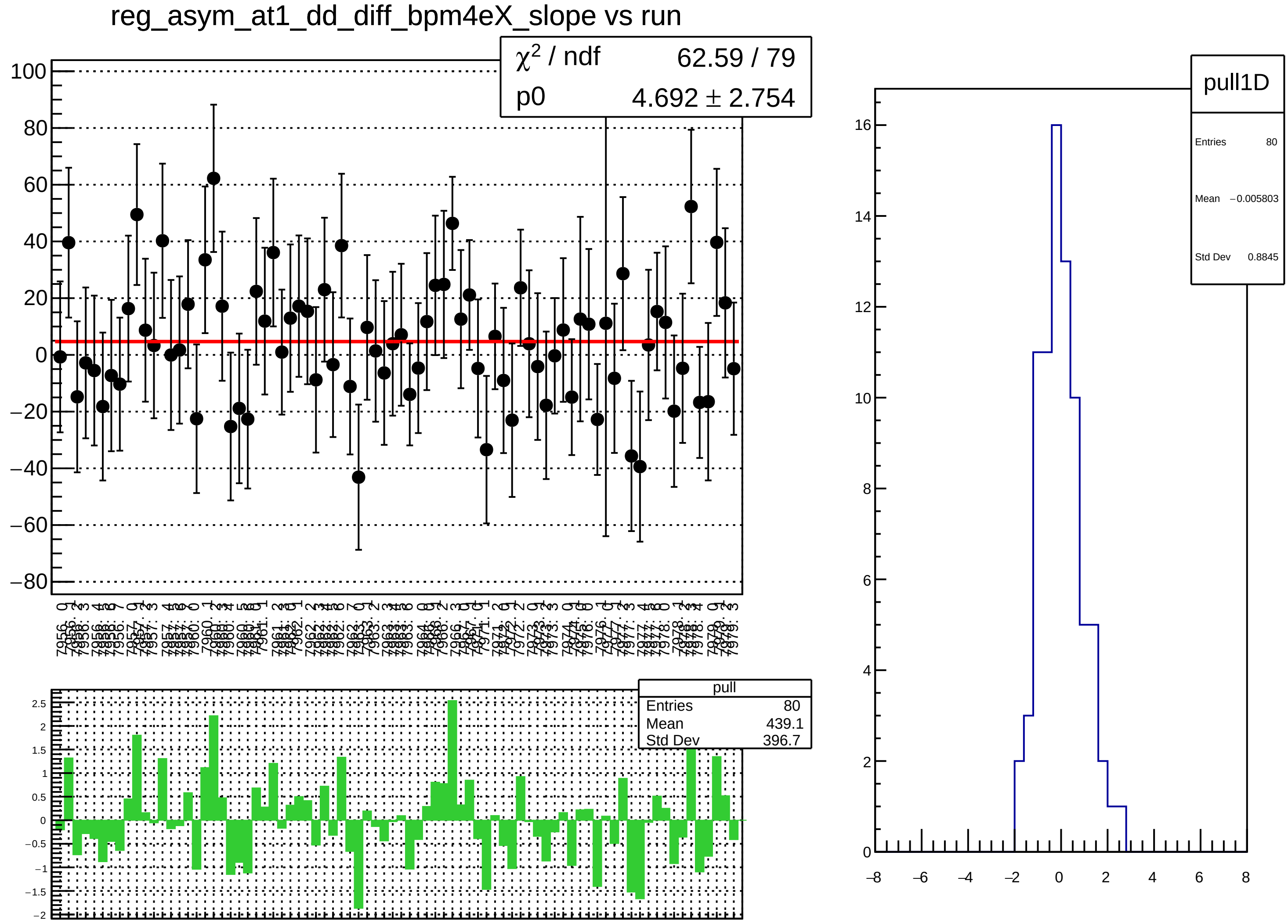


reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9336 / 79
p0 −19.61 ± 0.1022
pull
Entries 80
Mean −119.8
Std Dev 157
pull1D
Entries 80
Mean 0.1009
Std Dev 5.966

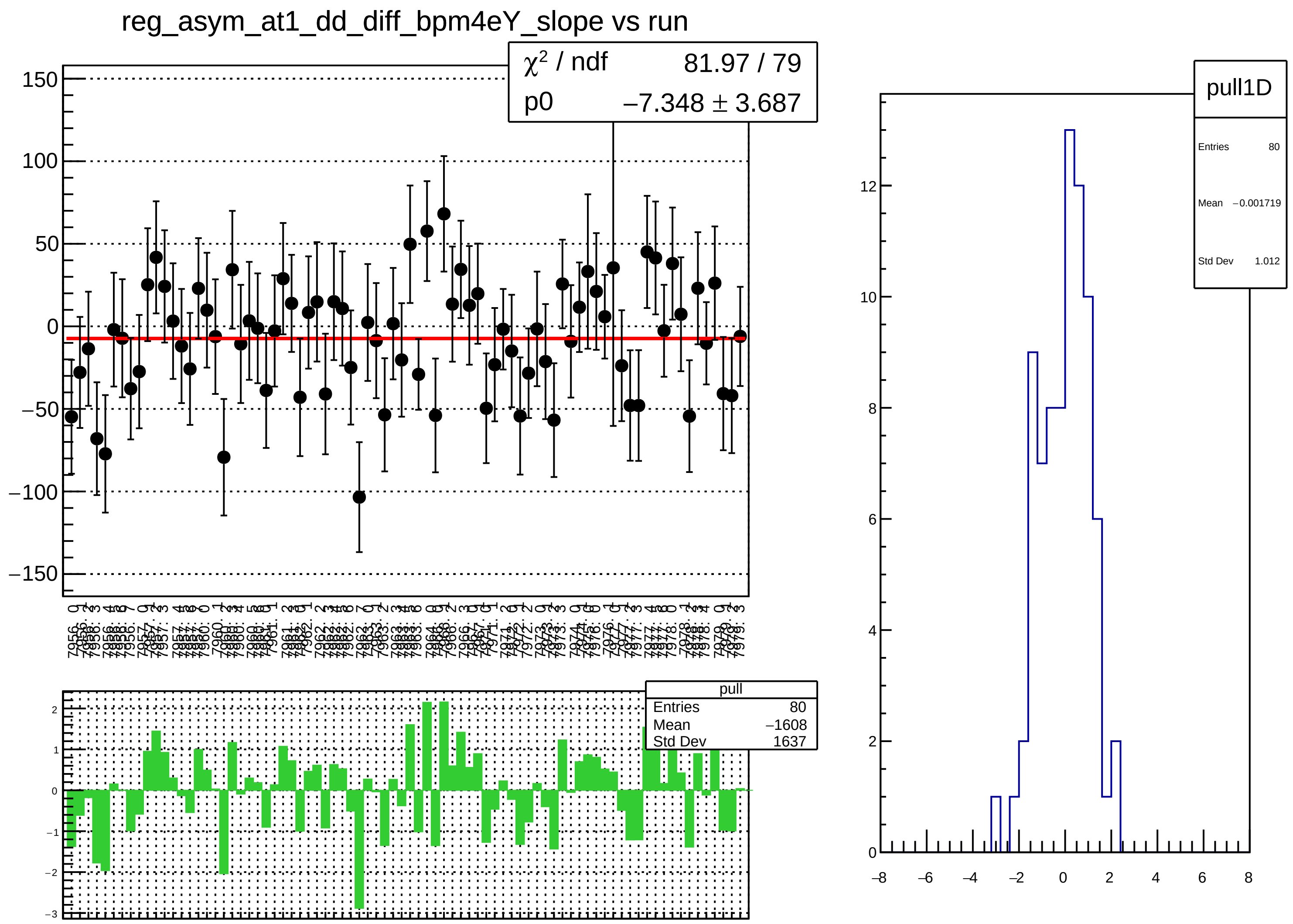

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 64.31 / 79
p0 42.43 ± 3.107
pull
Entries 80
Mean 180.4
Std Dev 137.1
pull1D
Entries 80
Mean 0.008736
Std Dev 0.8966



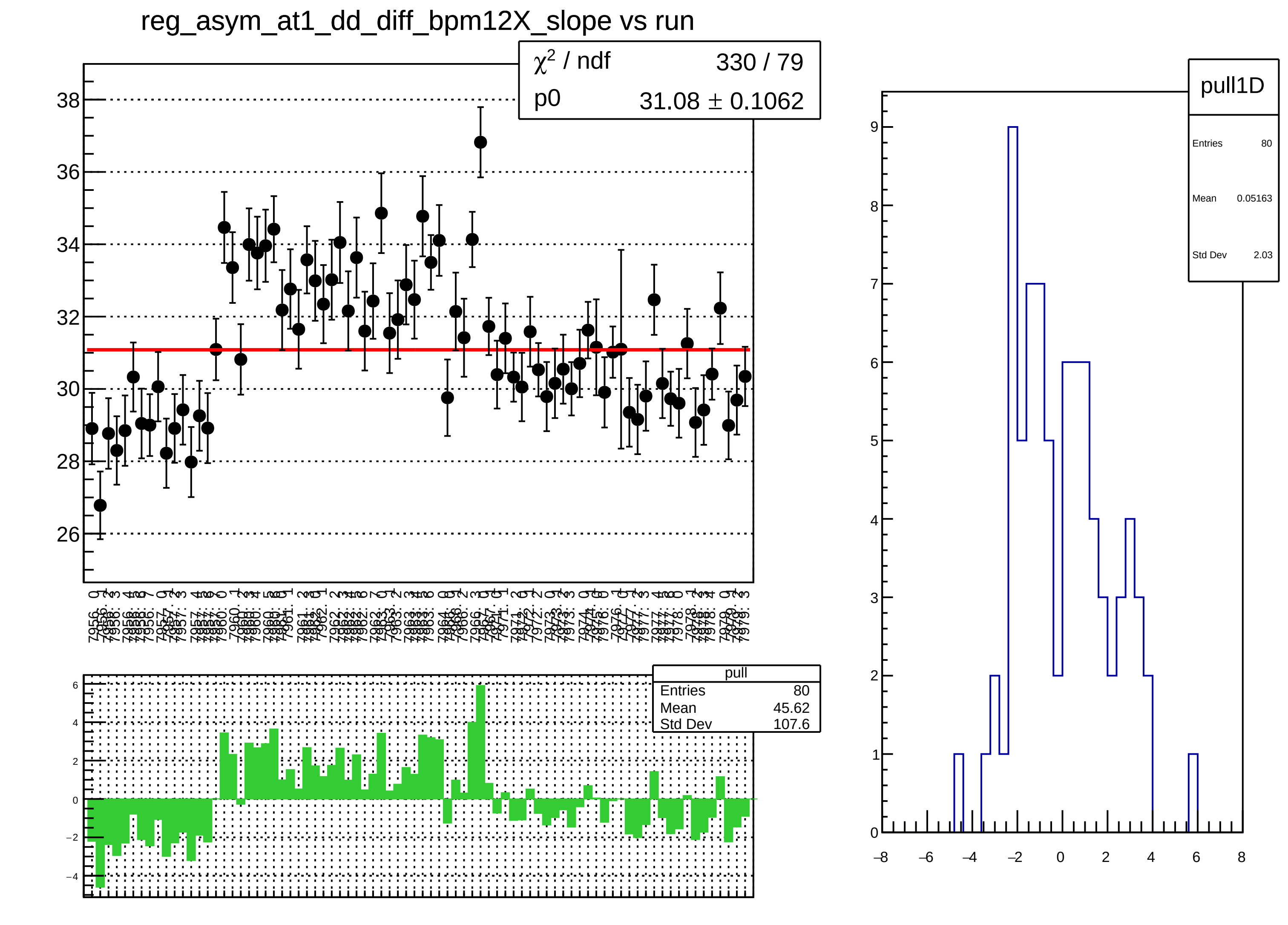
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 79.57 / 79
p0 −3.628 ± 3.22
100
50
0
−50
−100
−150
pull
Entries 80
Mean 2564
Std Dev 2539
3
2
1
0
−1
−2
pull1D
Entries 80
Mean −0.0009358
Std Dev 0.9973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



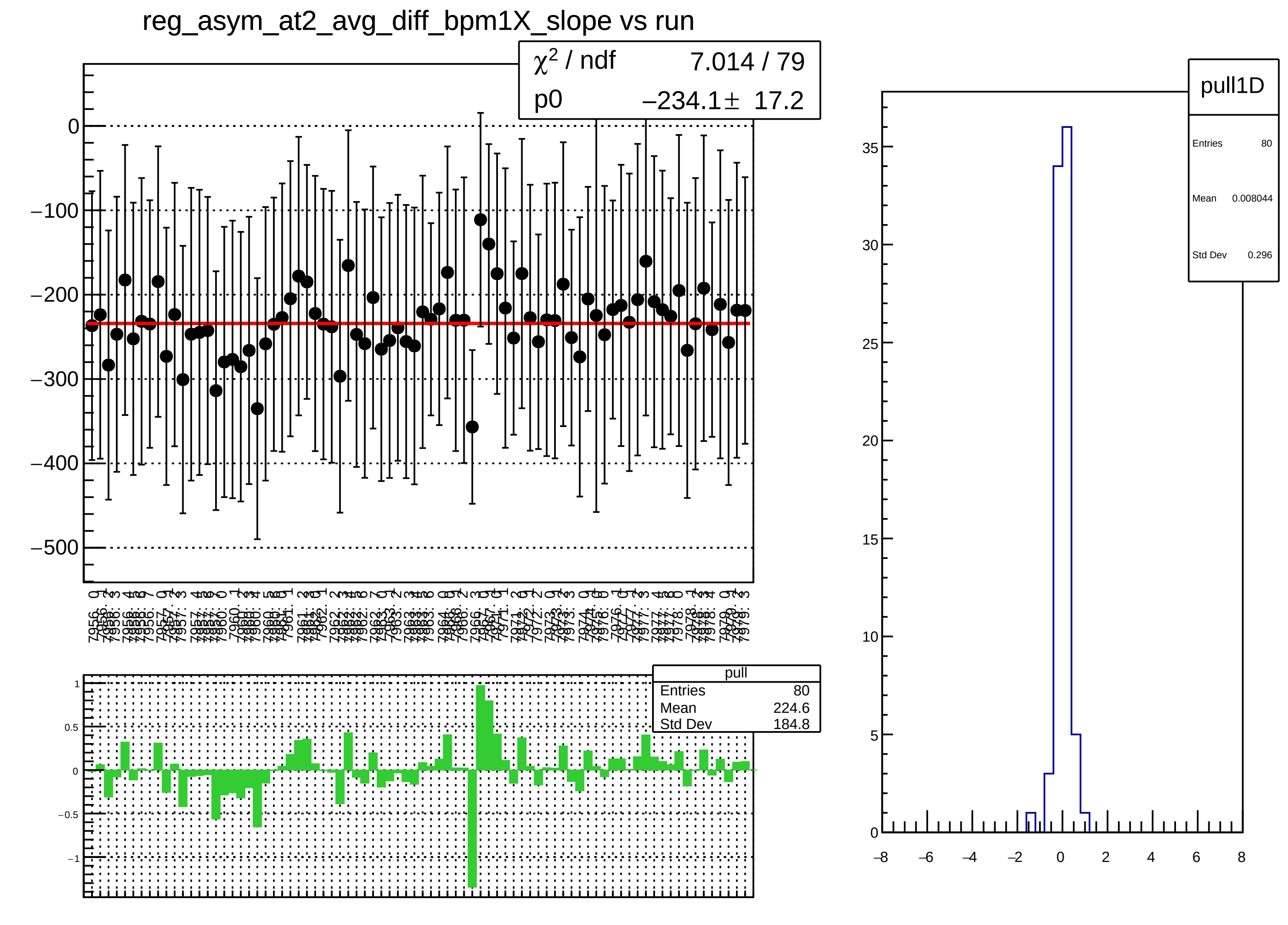
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 62.59 / 79
p0 4.692 ± 2.754
pull
Entries 80
Mean 439.1
Std Dev 396.7
pull1D
Entries 80
Mean −0.005803
Std Dev 0.8845



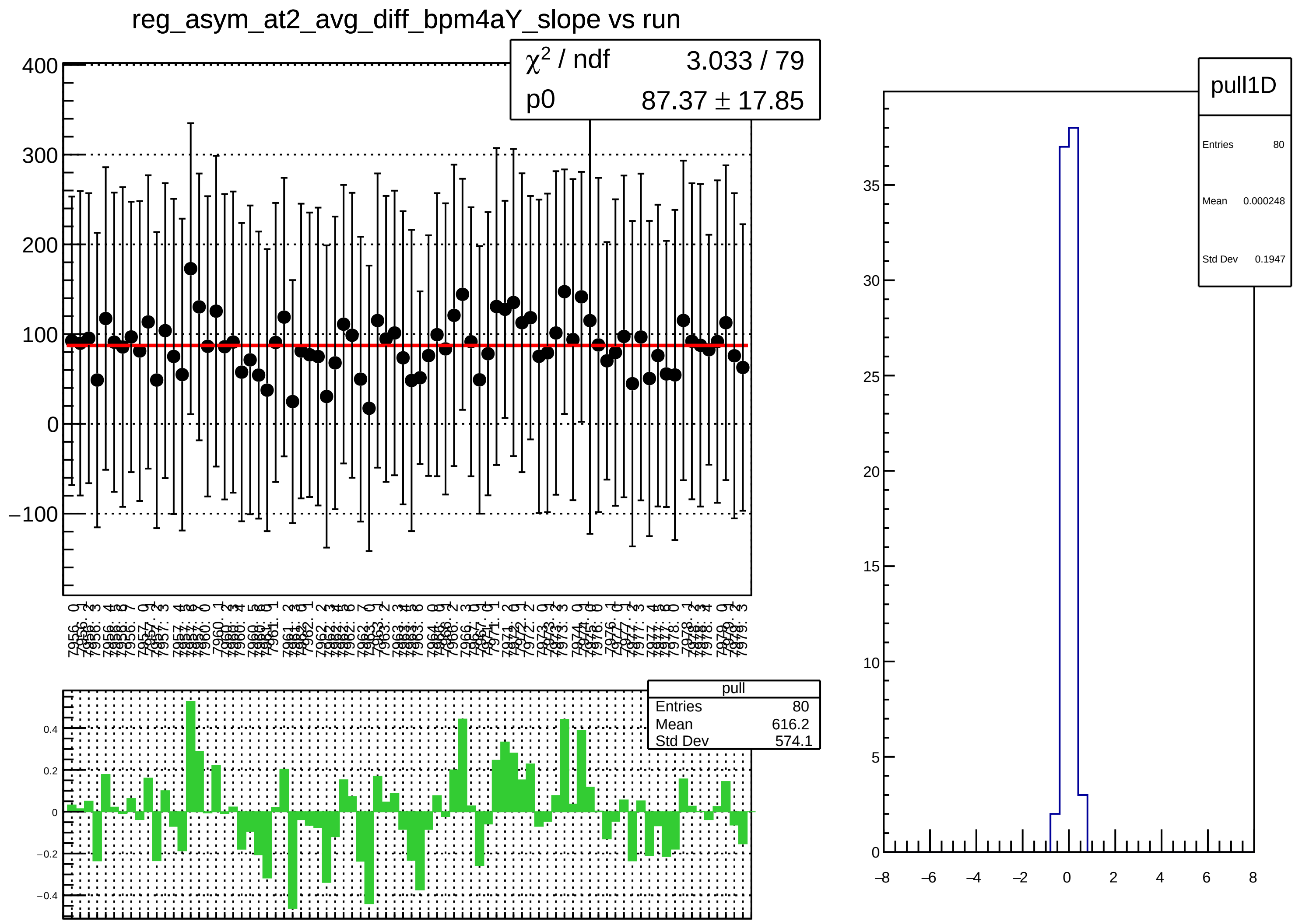
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 81.97 / 79
p0 −7.348 ± 3.687
pull
Entries 80
Mean −1608
Std Dev 1637
pull1D
Entries 80
Mean −0.001719
Std Dev 1.012

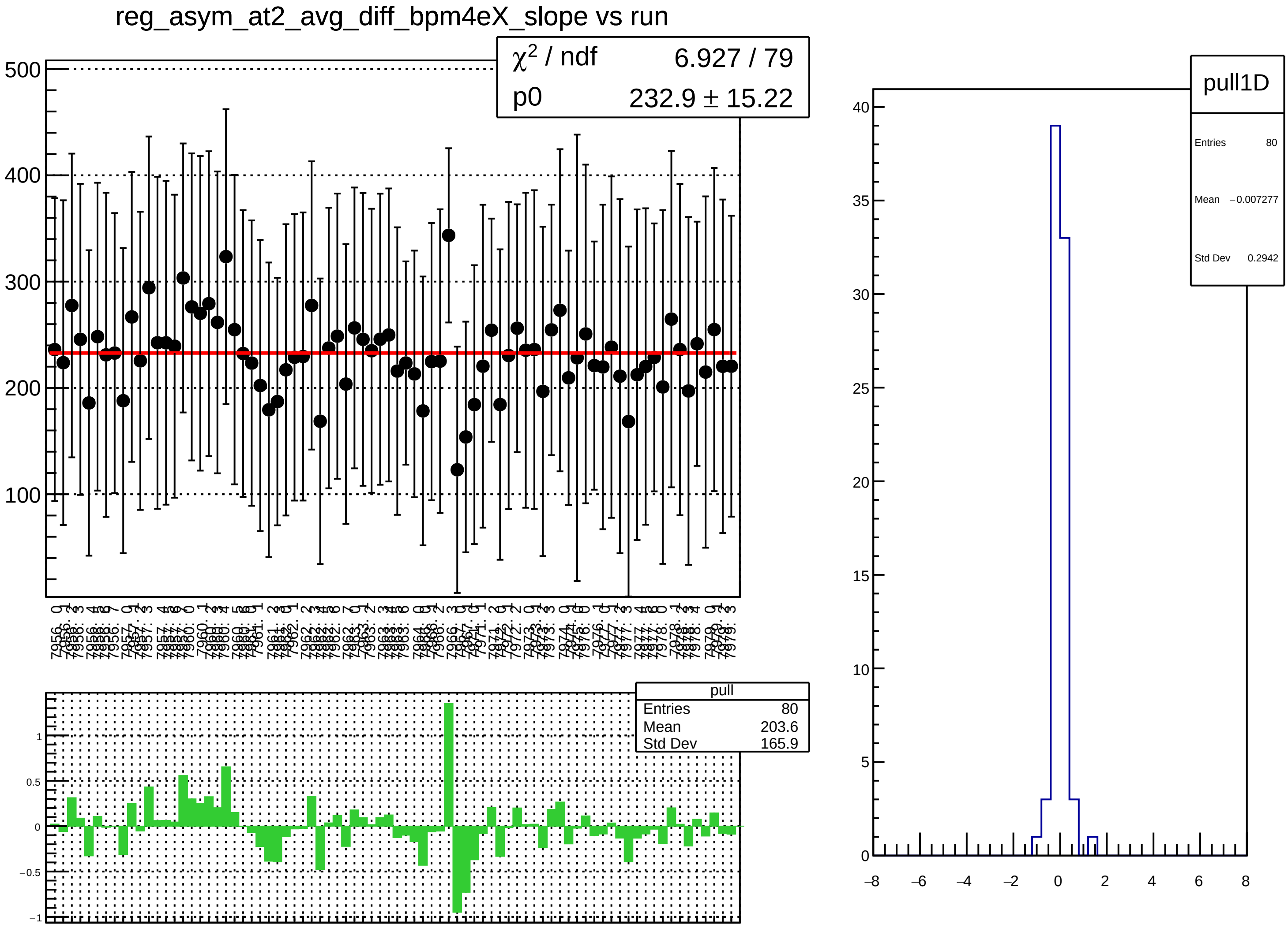


reg_asym_at1_dd_diff_bpm12X_slope vs run
χ2 / ndf 330 / 79
p0 31.08 ± 0.1062
pull
Entries 80
Mean 45.62
Std Dev 107.6
pull1D
Entries 80
Mean 0.05163
Std Dev 2.03

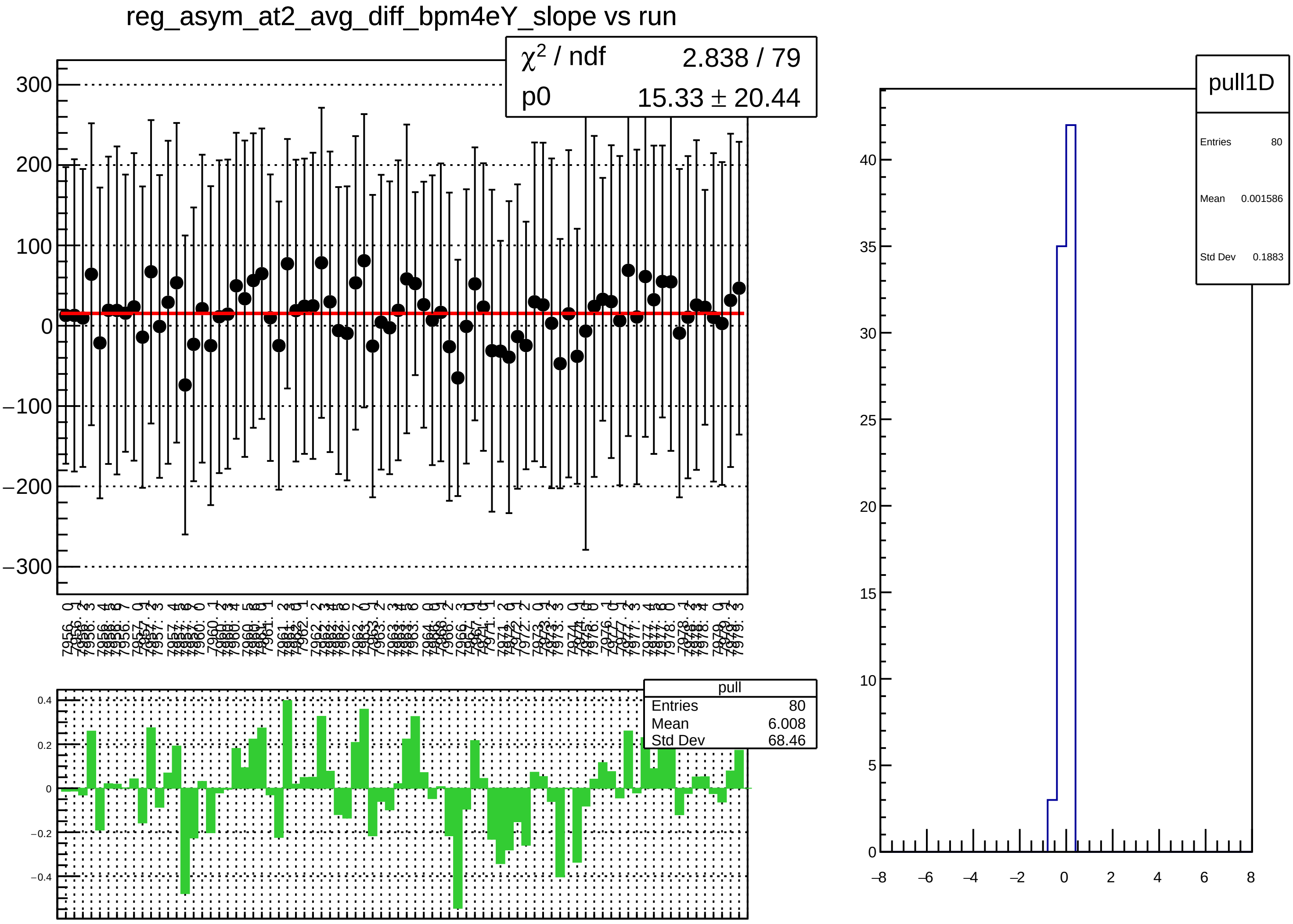


reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.014 / 79
p0 −234.1 ± 17.2
pull
Entries 80
Mean 224.6
Std Dev 184.8
pull1D
Entries 80
Mean 0.008044
Std Dev 0.296

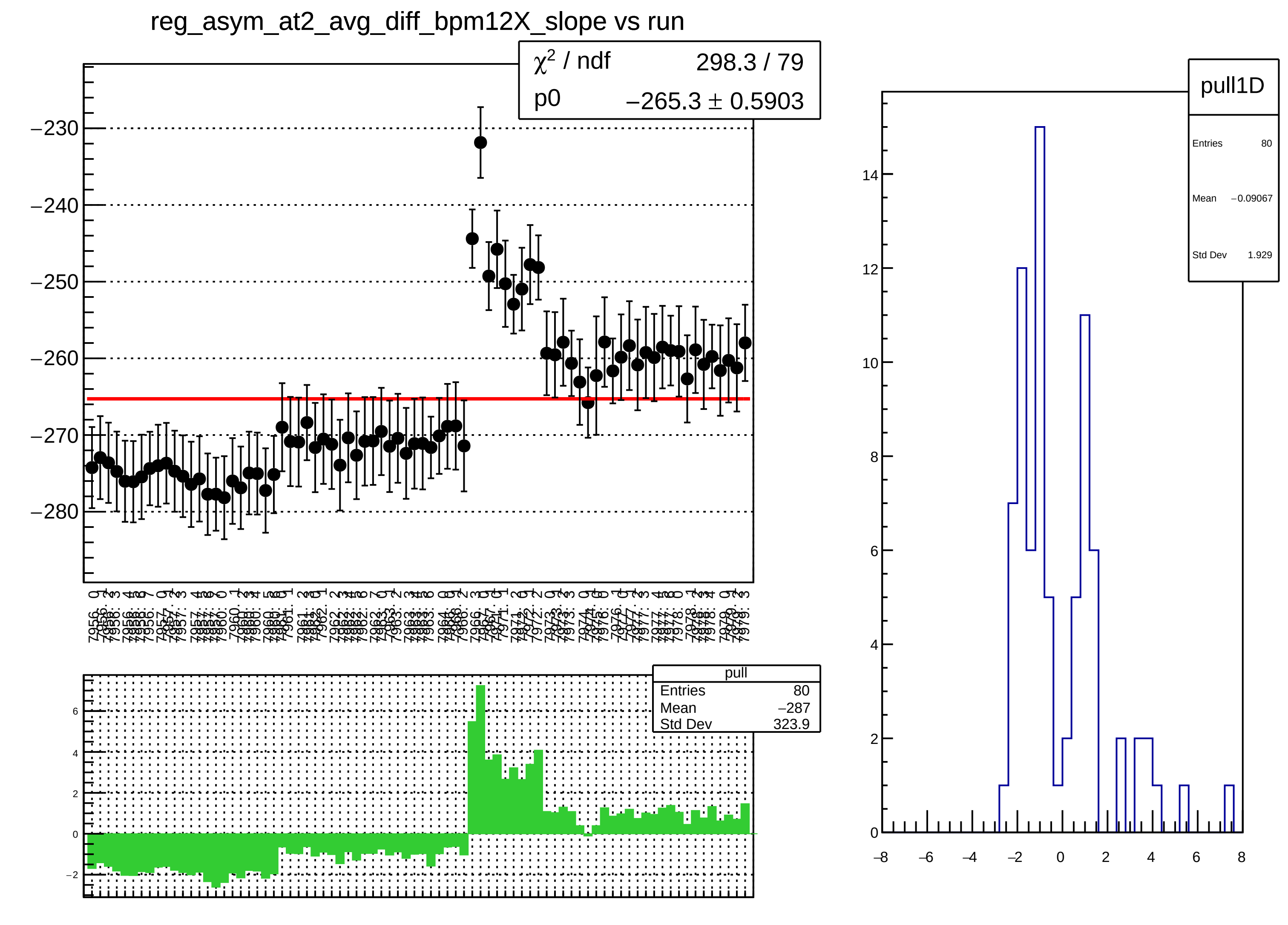

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.033 / 79
p0 87.37 ± 17.85
400
300
200
100
0
−100
pull
Entries 80
Mean 616.2
Std Dev 574.1
0.4
0.2
0
−0.2
-0.4
pull1D
Entries 80
Mean 0.000248
Std Dev 0.1947
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



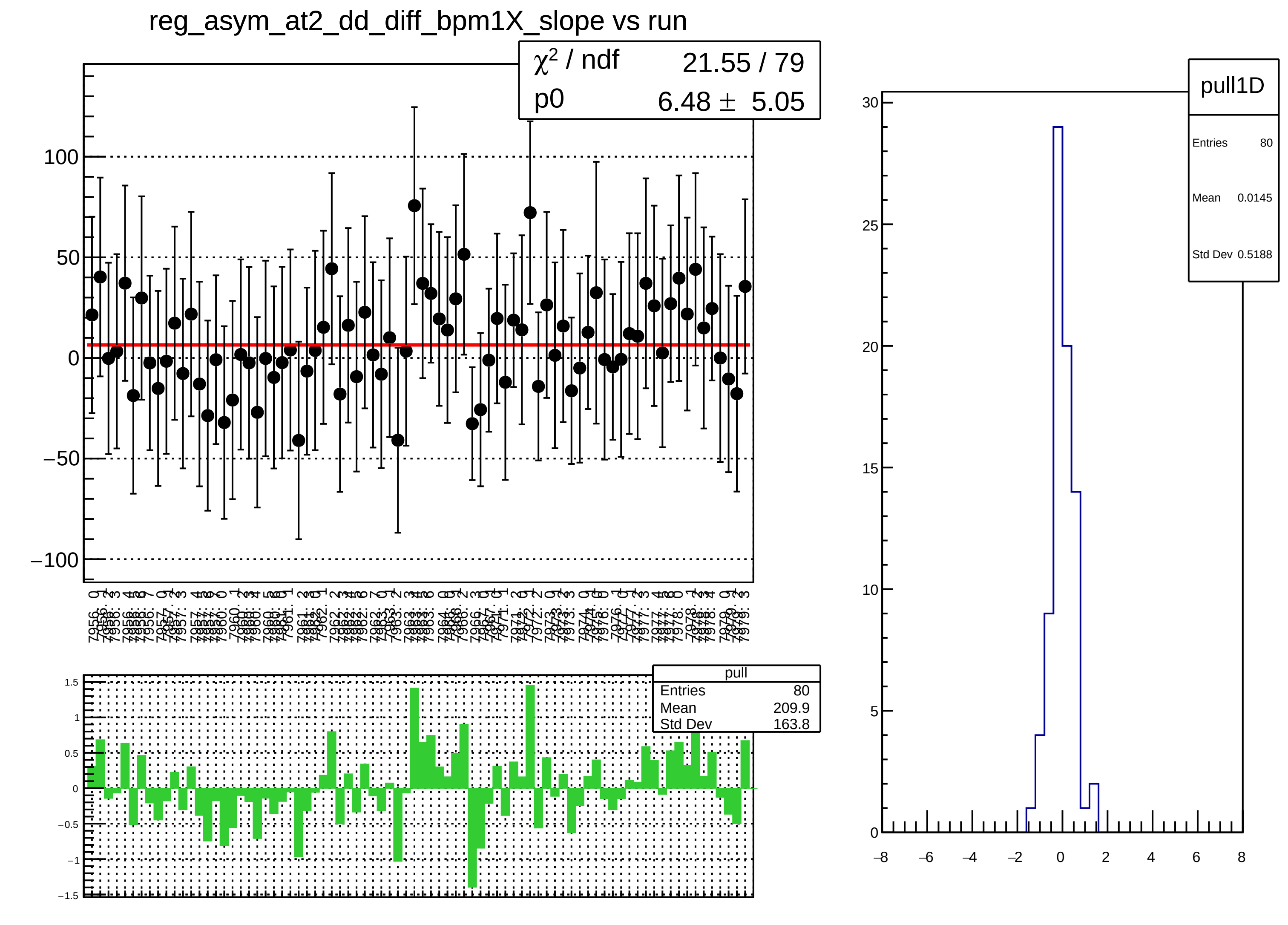
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 6.927 / 79
p0 232.9 ± 15.22
pull
Entries 80
Mean 203.6
Std Dev 165.9
pull1D
Entries 80
Mean −0.007277
Std Dev 0.2942



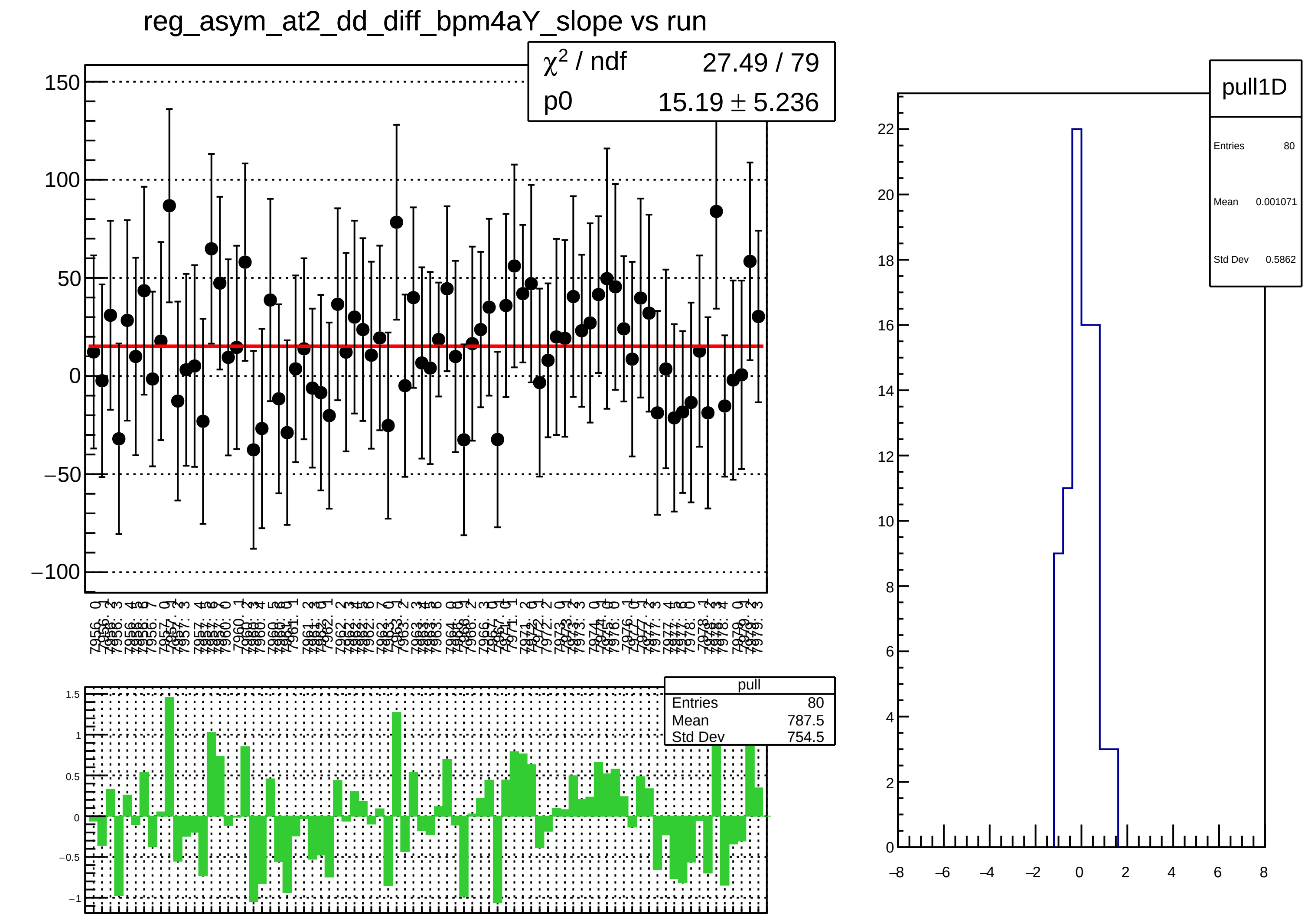
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.838 / 79
p0 15.33 ± 20.44
pull
Entries 80
Mean 6.008
Std Dev 68.46
pull1D
Entries 80
Mean 0.001586
Std Dev 0.1883



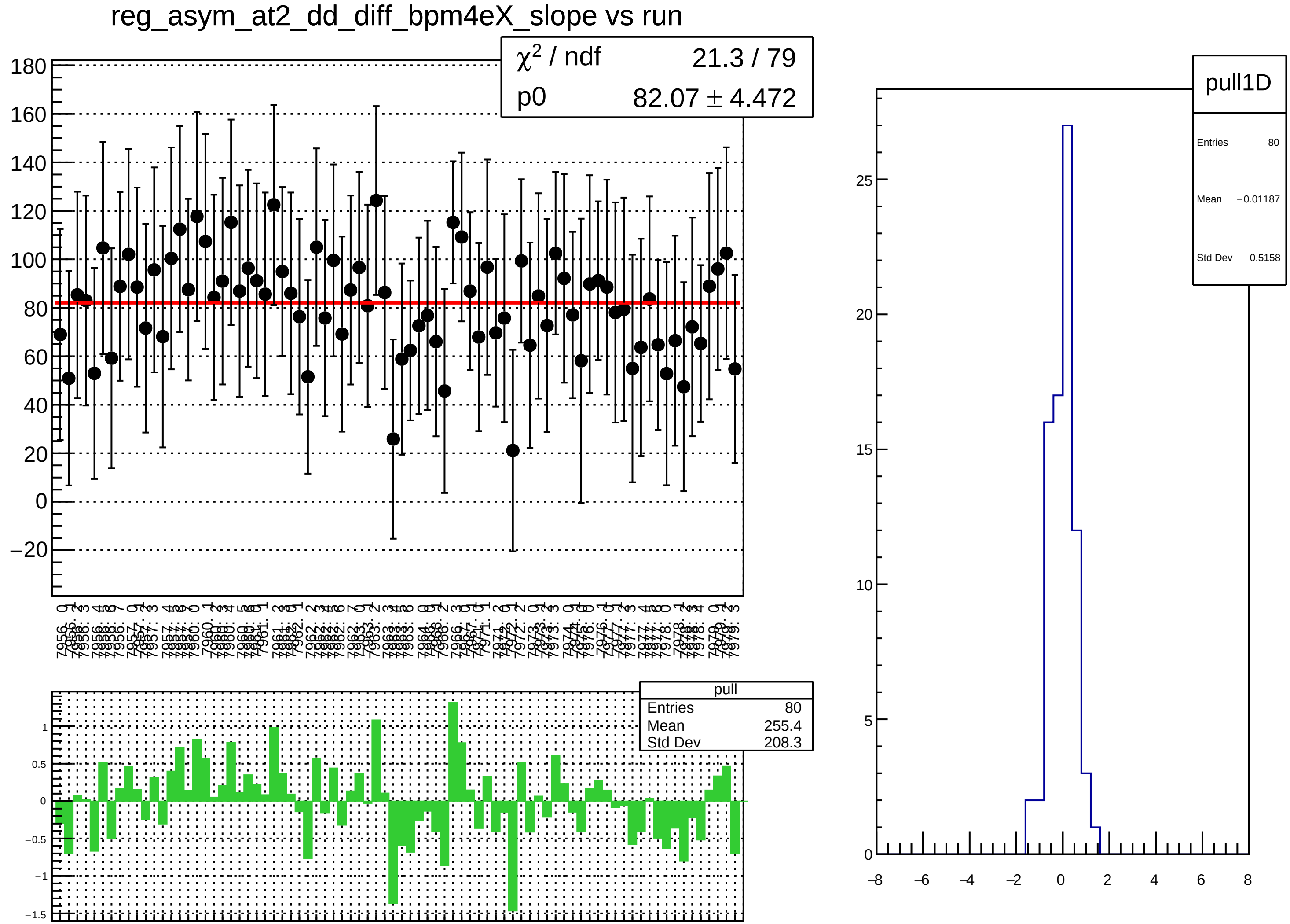
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 298.3 / 79
p0 −265.3 ± 0.5903
−230
−240
−250
−260
−270
−280
pull
Entries 80
Mean −287
Std Dev 323.9
6
4
2
0
−2
pull1D
Entries 80
Mean −0.09067
Std Dev 1.929
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



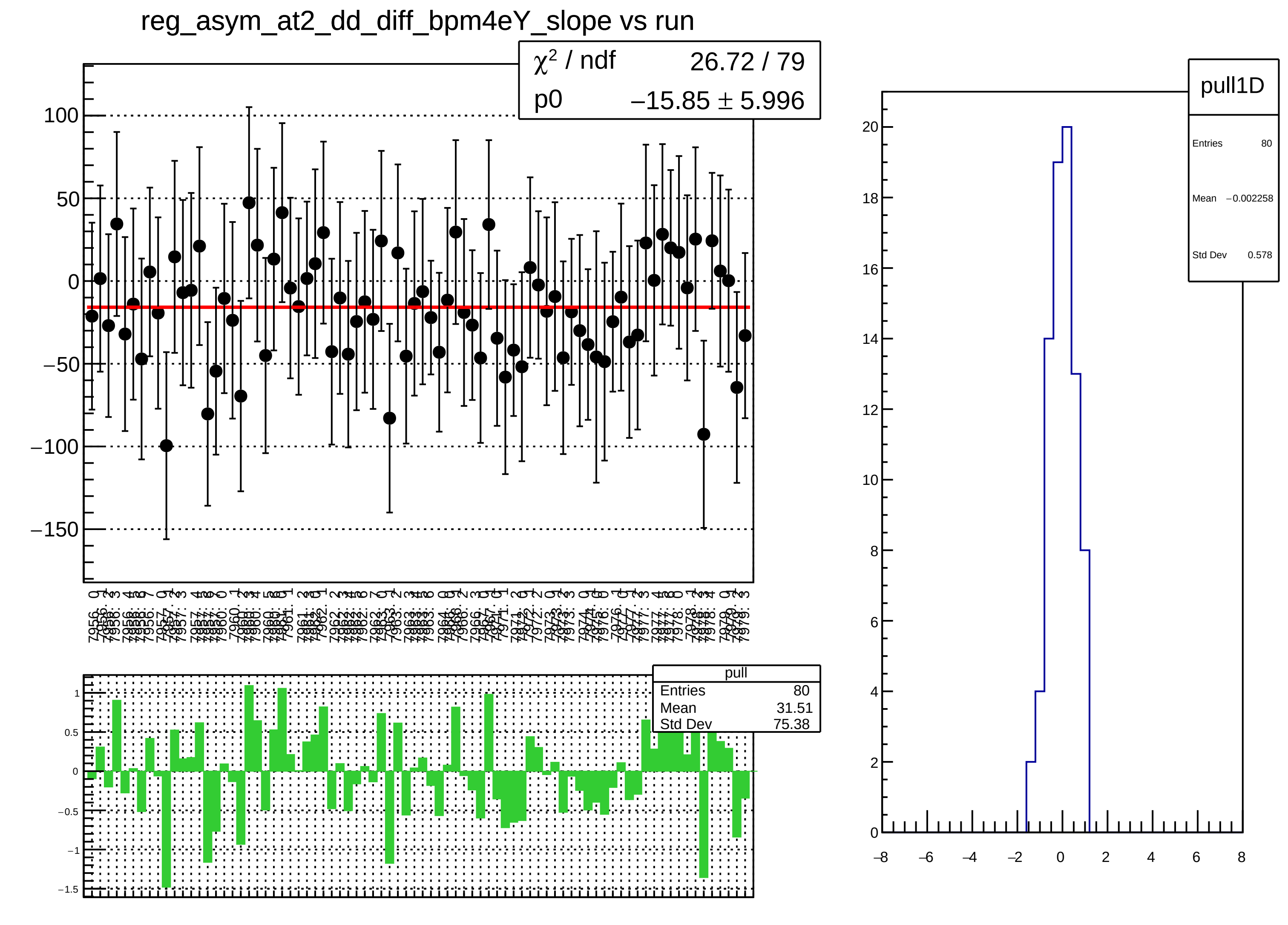
reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 21.55 / 79
p0 6.48 ± 5.05
pull
Entries 80
Mean 209.9
Std Dev 163.8
pull1D
Entries 80
Mean 0.0145
Std Dev 0.5188

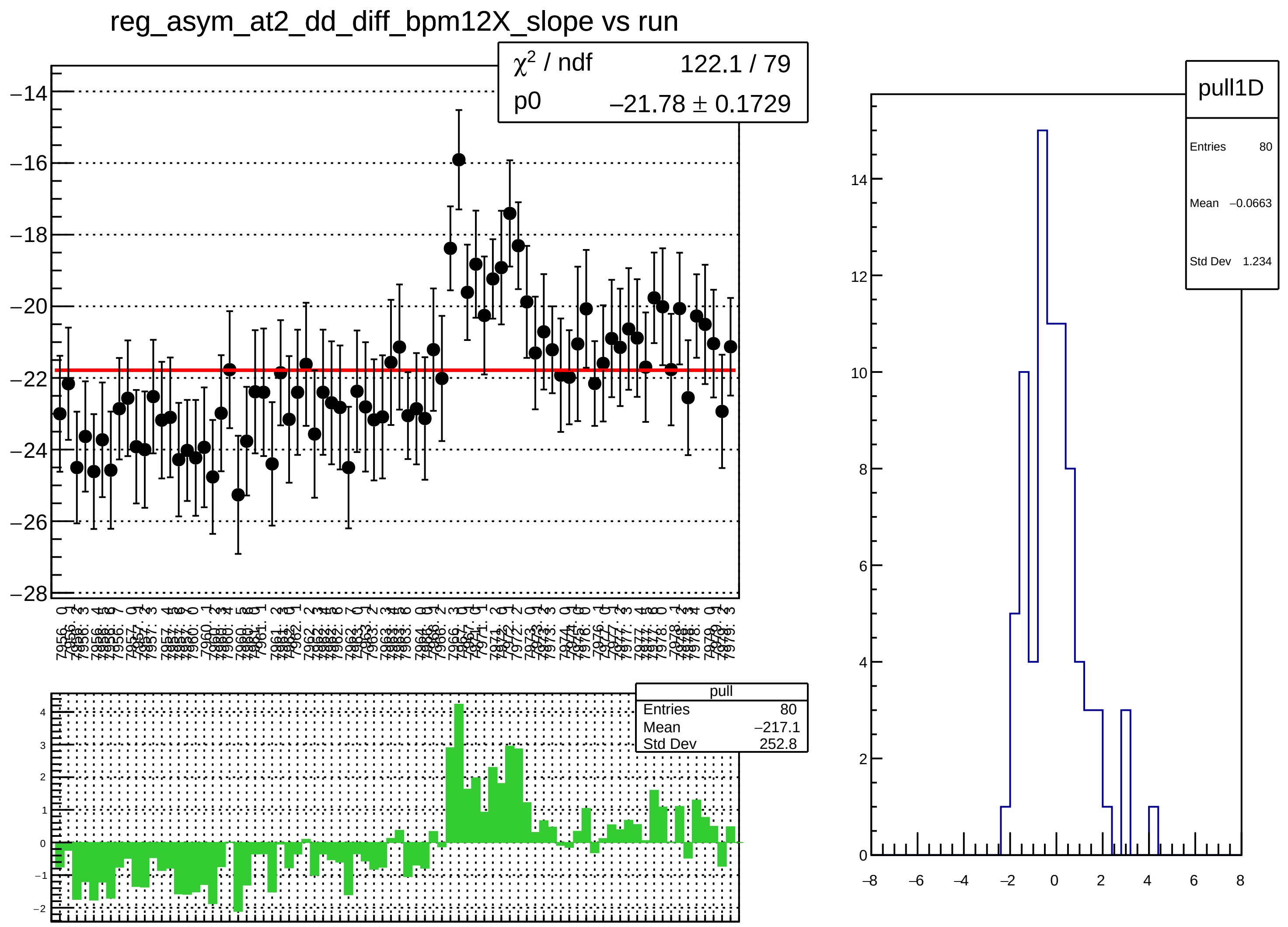


reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 27.49 / 79
p0 15.19 ± 5.236
pull
Entries 80
Mean 787.5
Std Dev 754.5
pull1D
Entries 80
Mean 0.001071
Std Dev 0.5862

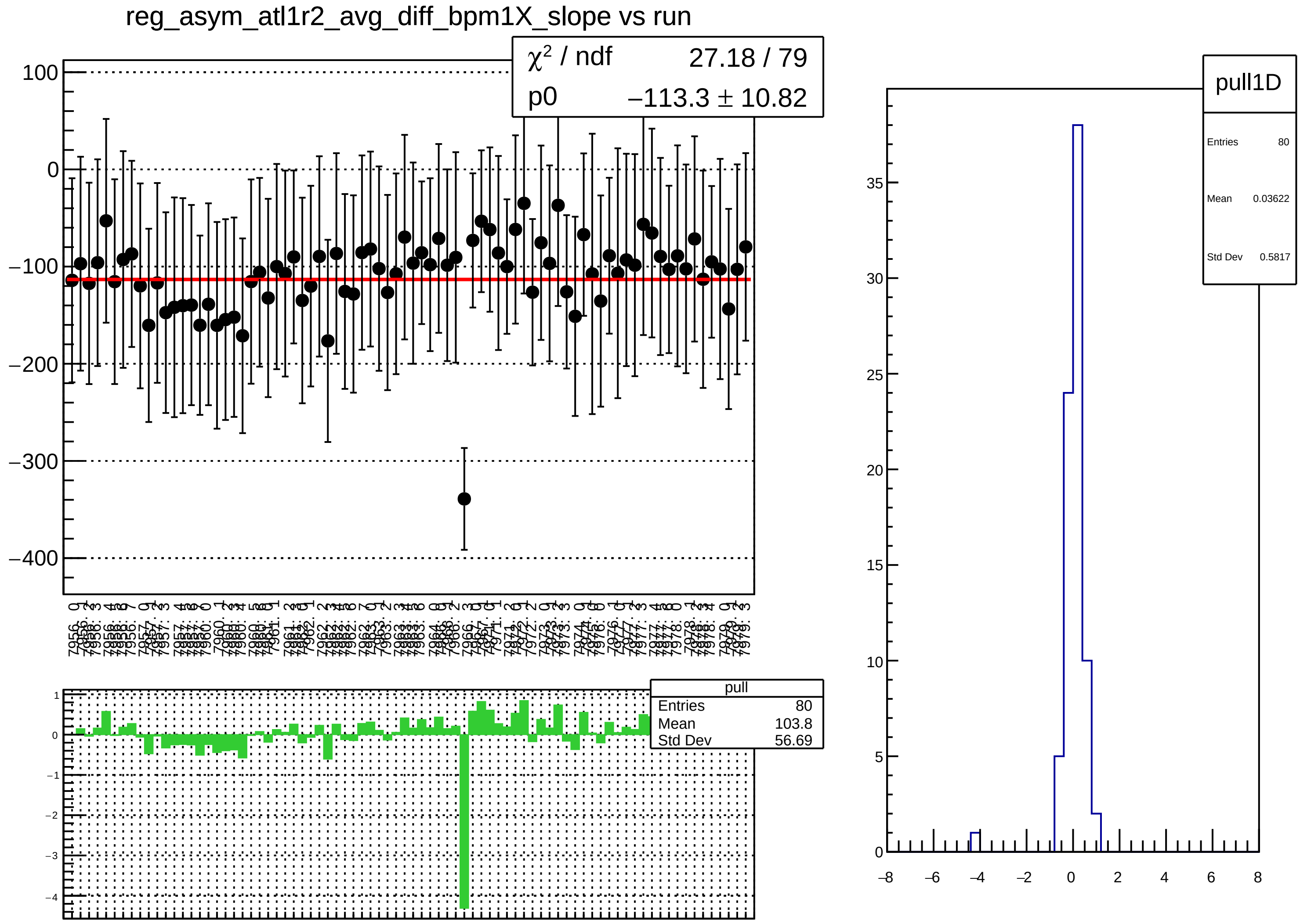


reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 21.3 / 79
p0 82.07 ± 4.472
pull
Entries 80
Mean 255.4
Std Dev 208.3
pull1D
Entries 80
Mean −0.01187
Std Dev 0.5158

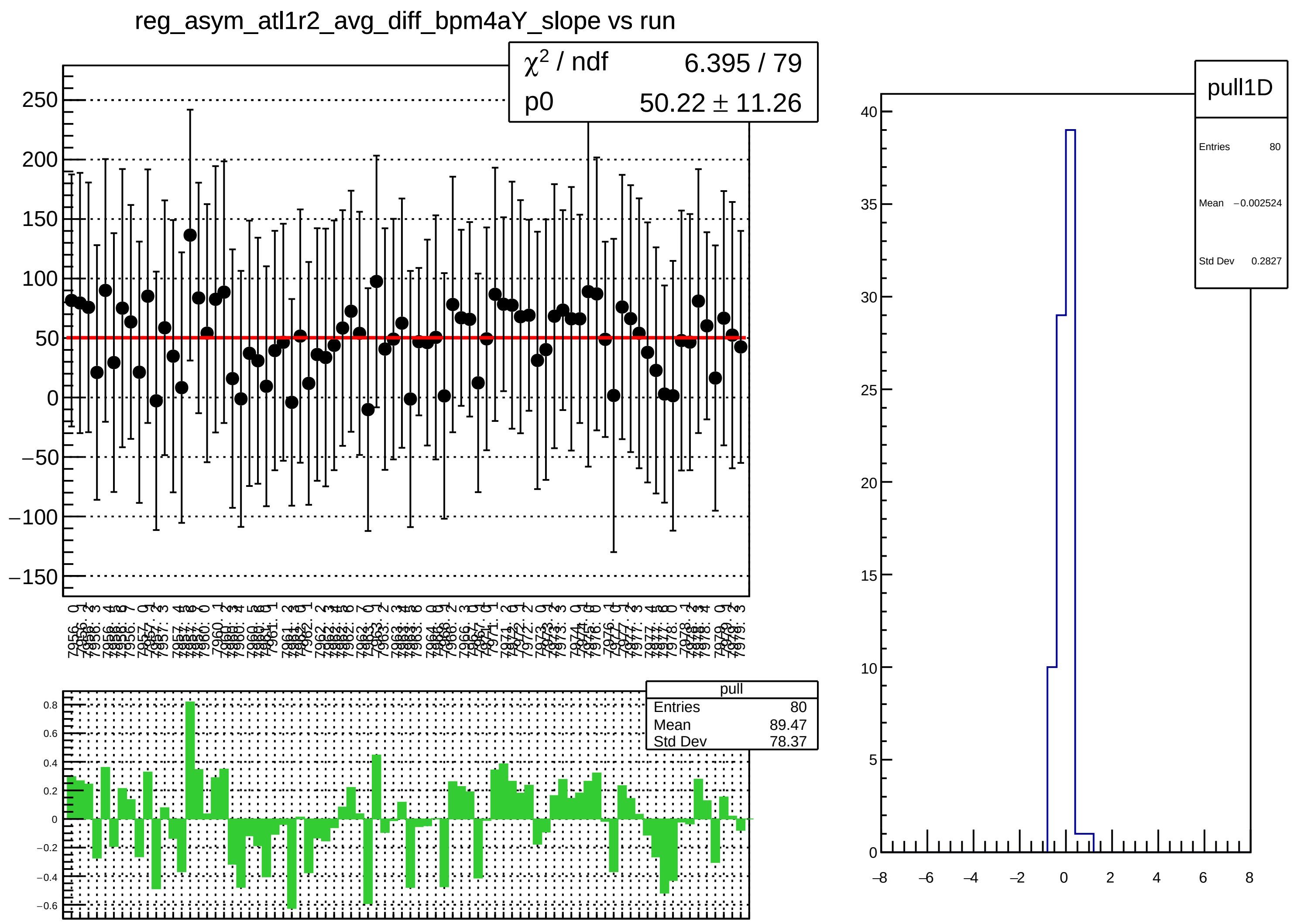

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 26.72 / 79
p0 −15.85 ± 5.996
100
50
0
−50
−100
−150
pull
Entries 80
Mean 31.51
Std Dev 75.38
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 80
Mean −0.002258
Std Dev 0.578
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



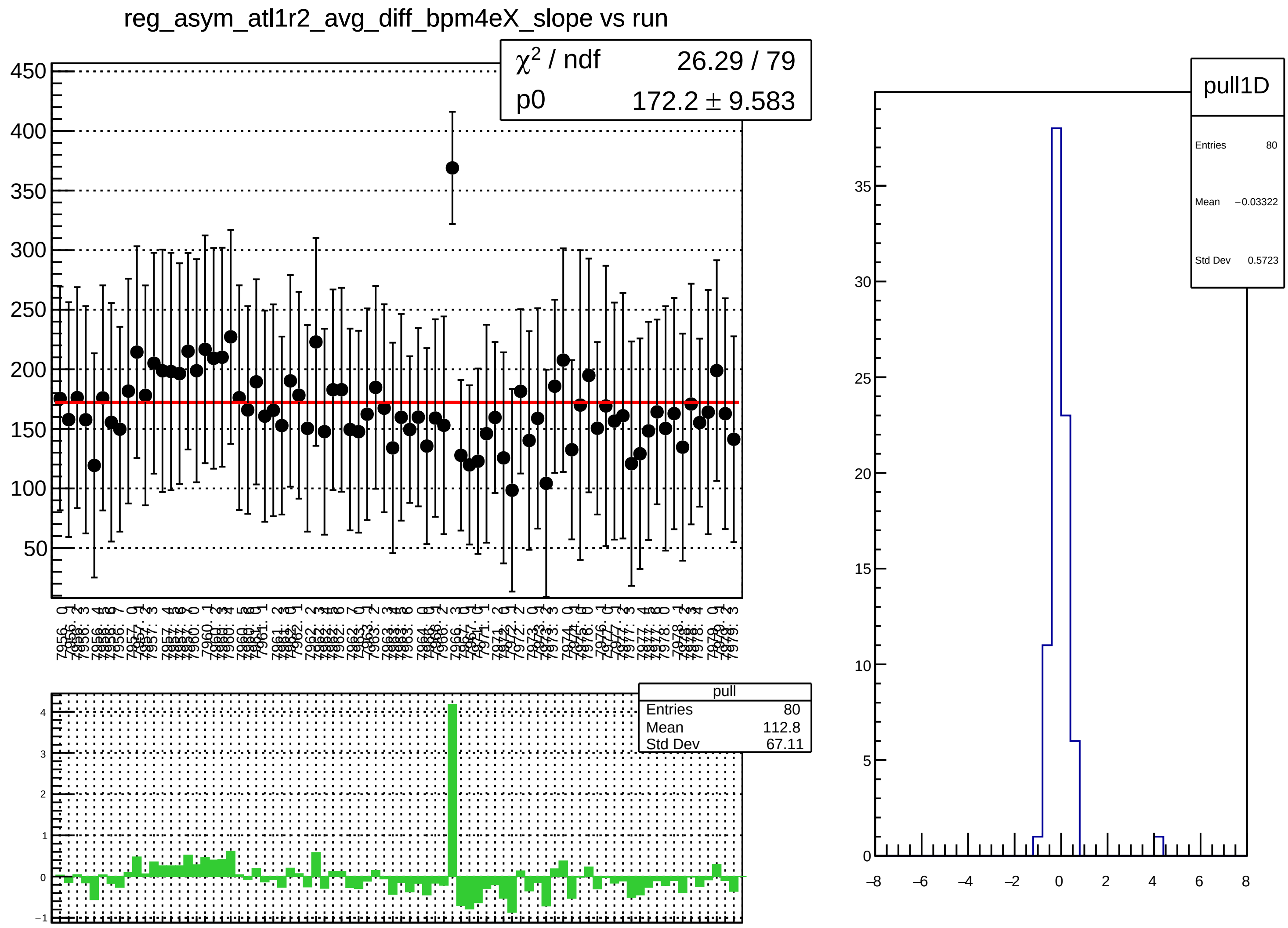
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 122.1 / 79
p0 −21.78 ± 0.1729
pull
Entries 80
Mean −217.1
Std Dev 252.8
pull1D
Entries 80
Mean −0.0663
Std Dev 1.234



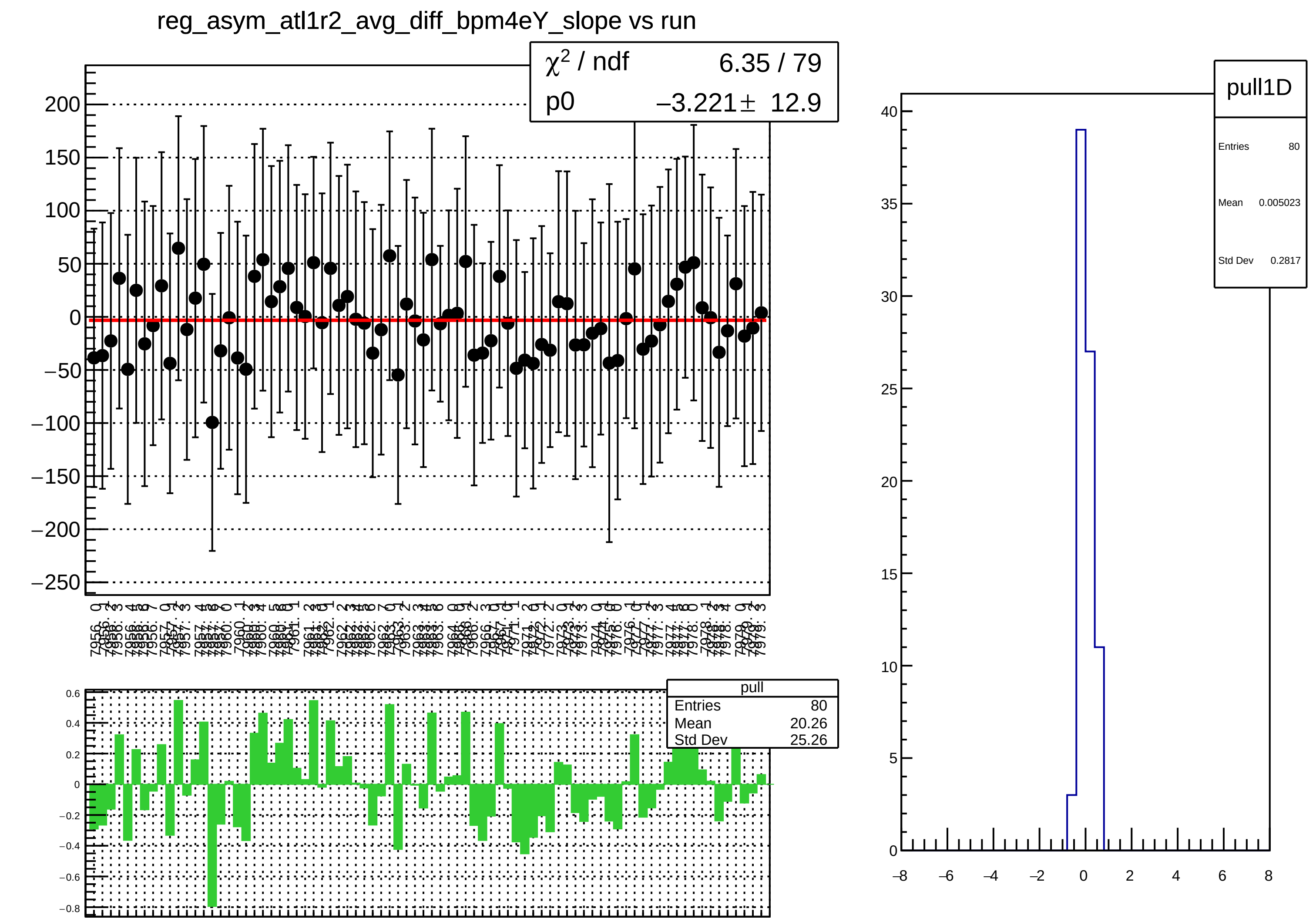
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 27.18 / 79
p0 −113.3 ± 10.82
pull
Entries 80
Mean 103.8
Std Dev 56.69
pull1D
Entries 80
Mean 0.03622
Std Dev 0.5817



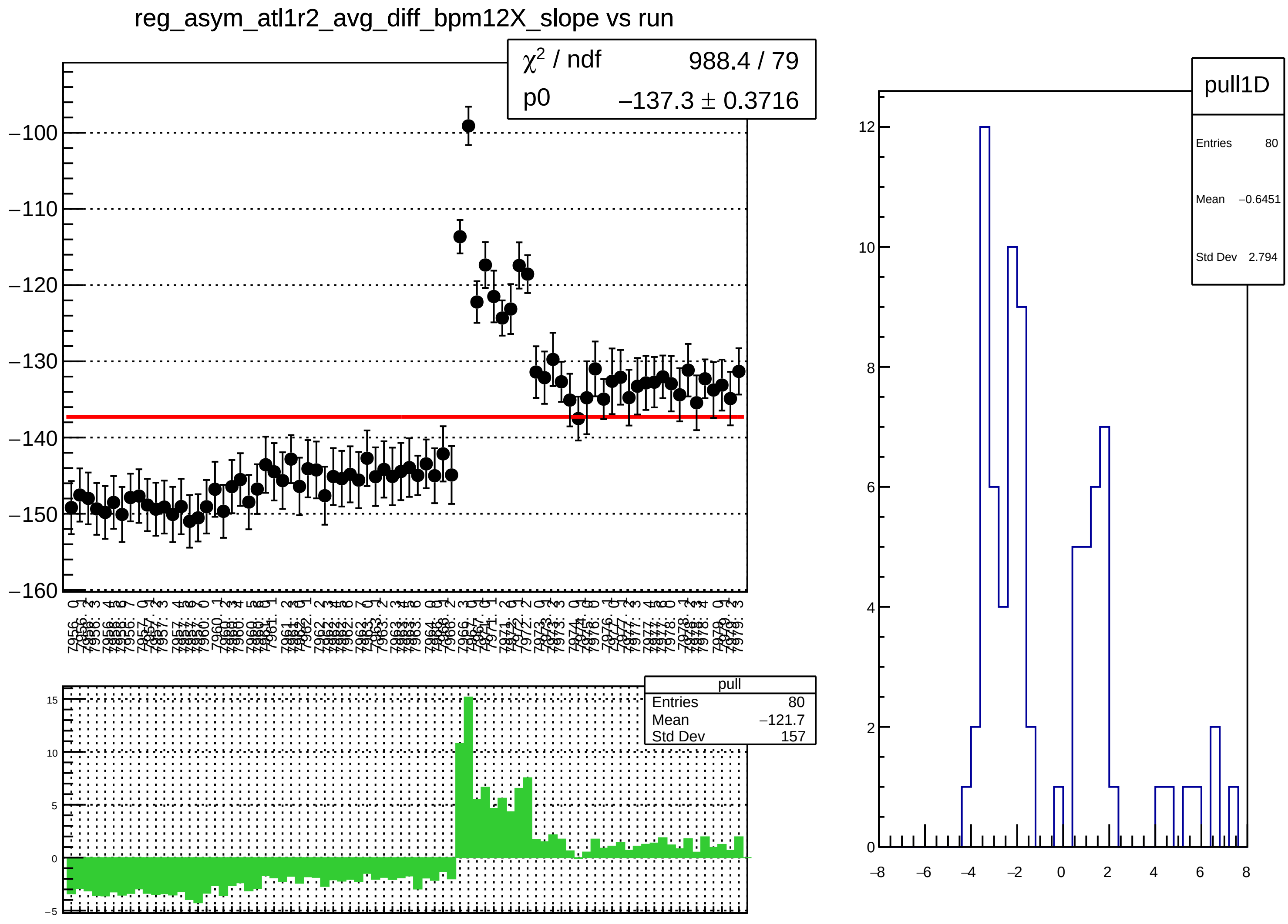
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.395 / 79
p0 50.22 ± 11.26
pull
Entries 80
Mean 89.47
Std Dev 78.37
pull1D
Entries 80
Mean −0.002524
Std Dev 0.2827



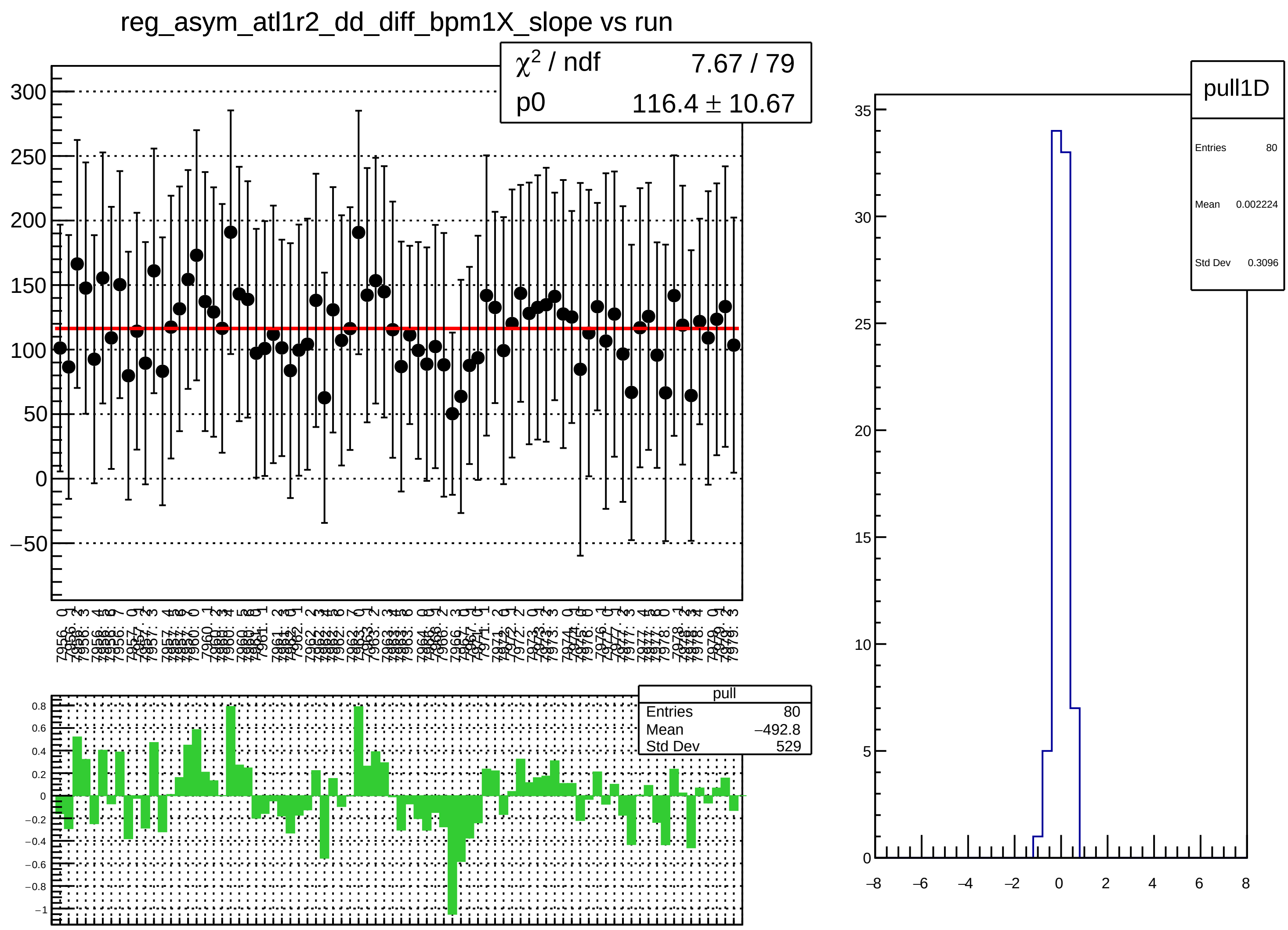
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 26.29 / 79
p0 172.2 ± 9.583
450
400
350
300
250
200
150
100
50
pull
Entries 80
Mean 112.8
Std Dev 67.11
4
3
2
1
0
−1
pull1D
Entries 80
Mean −0.03322
Std Dev 0.5723
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

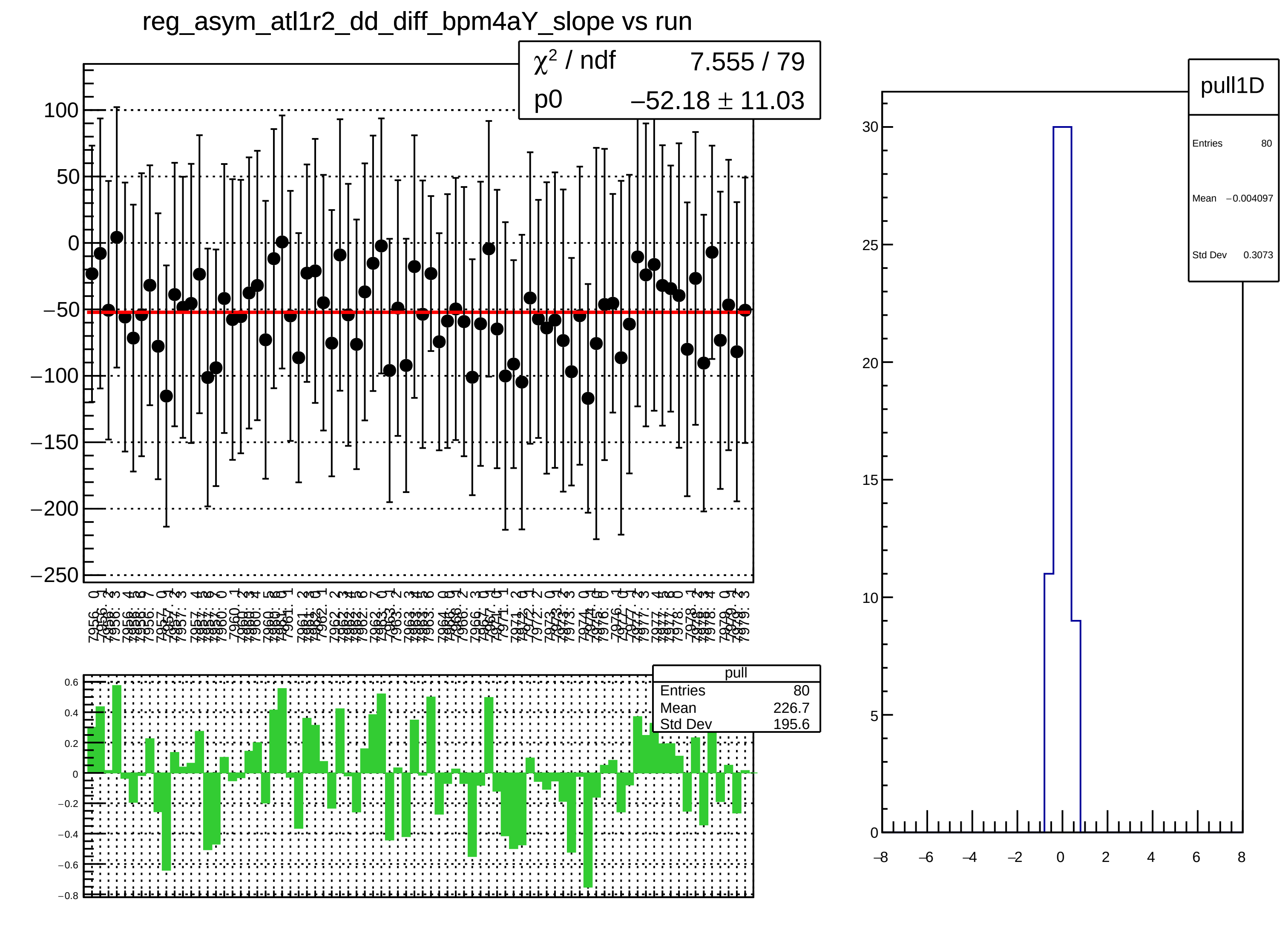


reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.35 / 79
p0 −3.221 ± 12.9
pull
Entries 80
Mean 20.26
Std Dev 25.26
pull1D
Entries 80
Mean 0.005023
Std Dev 0.2817

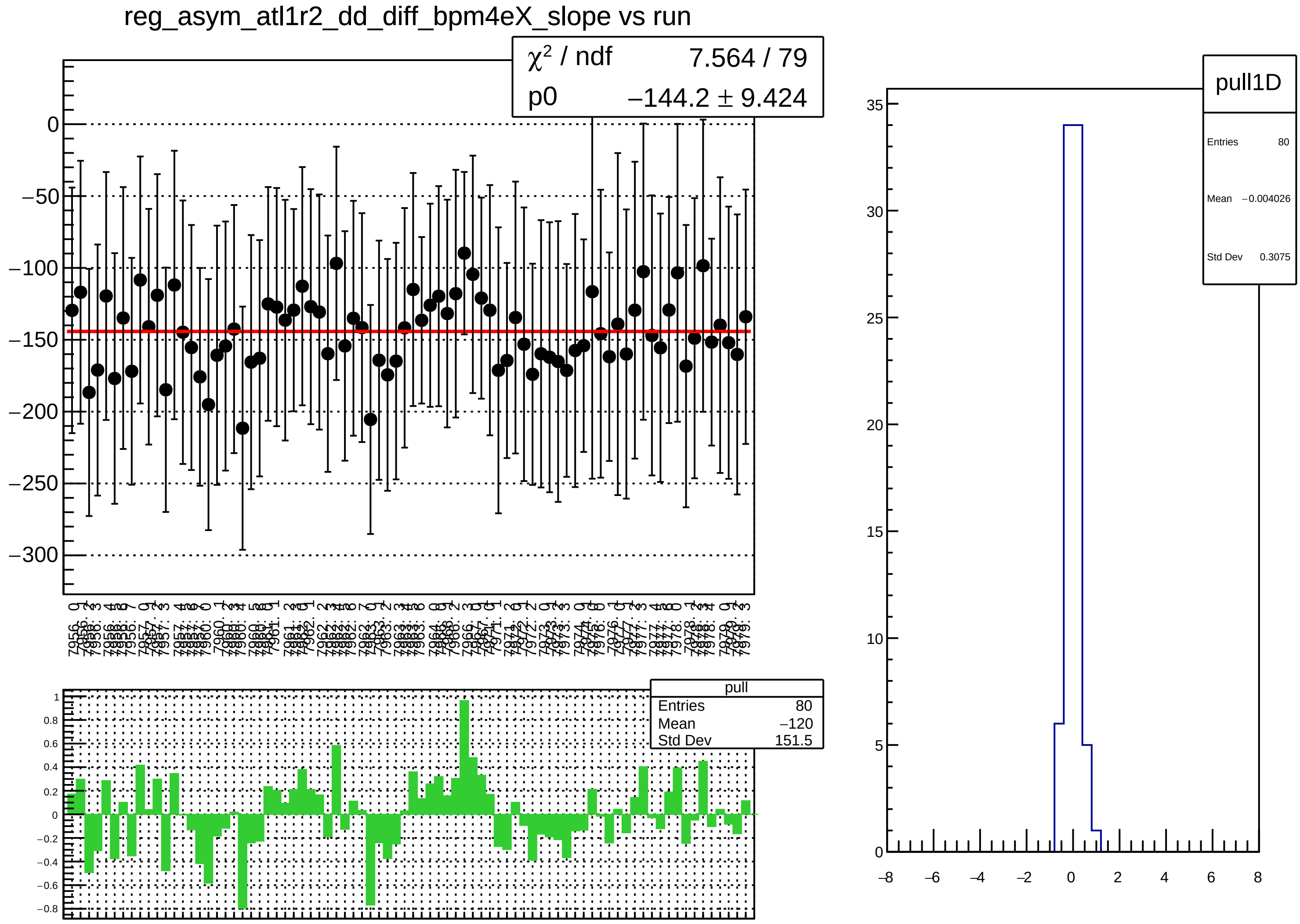


reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 988.4 / 79
p0 −137.3 ± 0.3716
−100
−110
−120
−130
−140
−150
−160
pull
Entries 80
Mean −121.7
Std Dev 157
15
10
5
0
−5
pull1D
Entries 80
Mean −0.6451
Std Dev 2.794
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

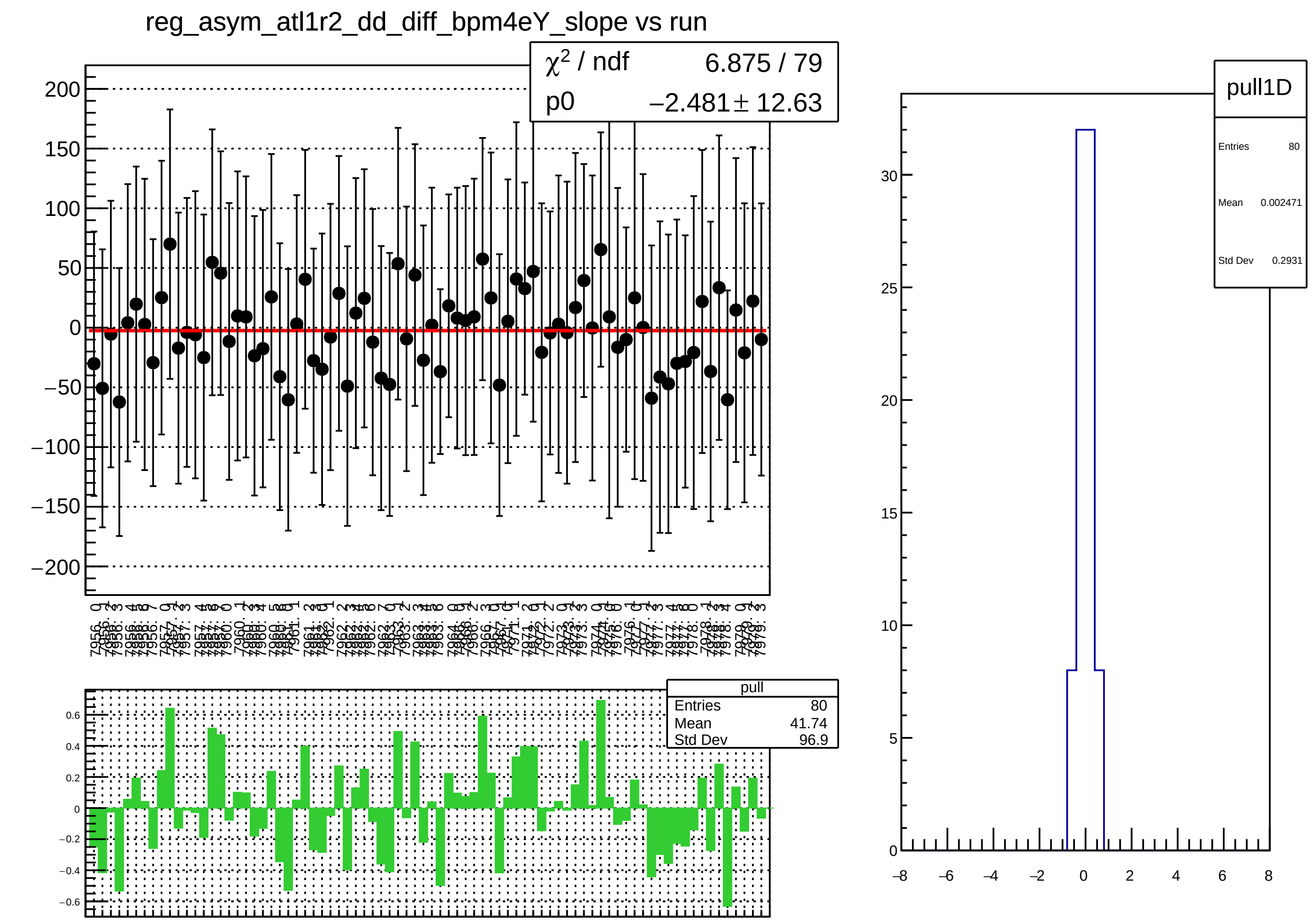

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.67 / 79
p0 116.4 ± 10.67
pull
Entries 80
Mean −492.8
Std Dev 529
pull1D
Entries 80
Mean 0.002224
Std Dev 0.3096

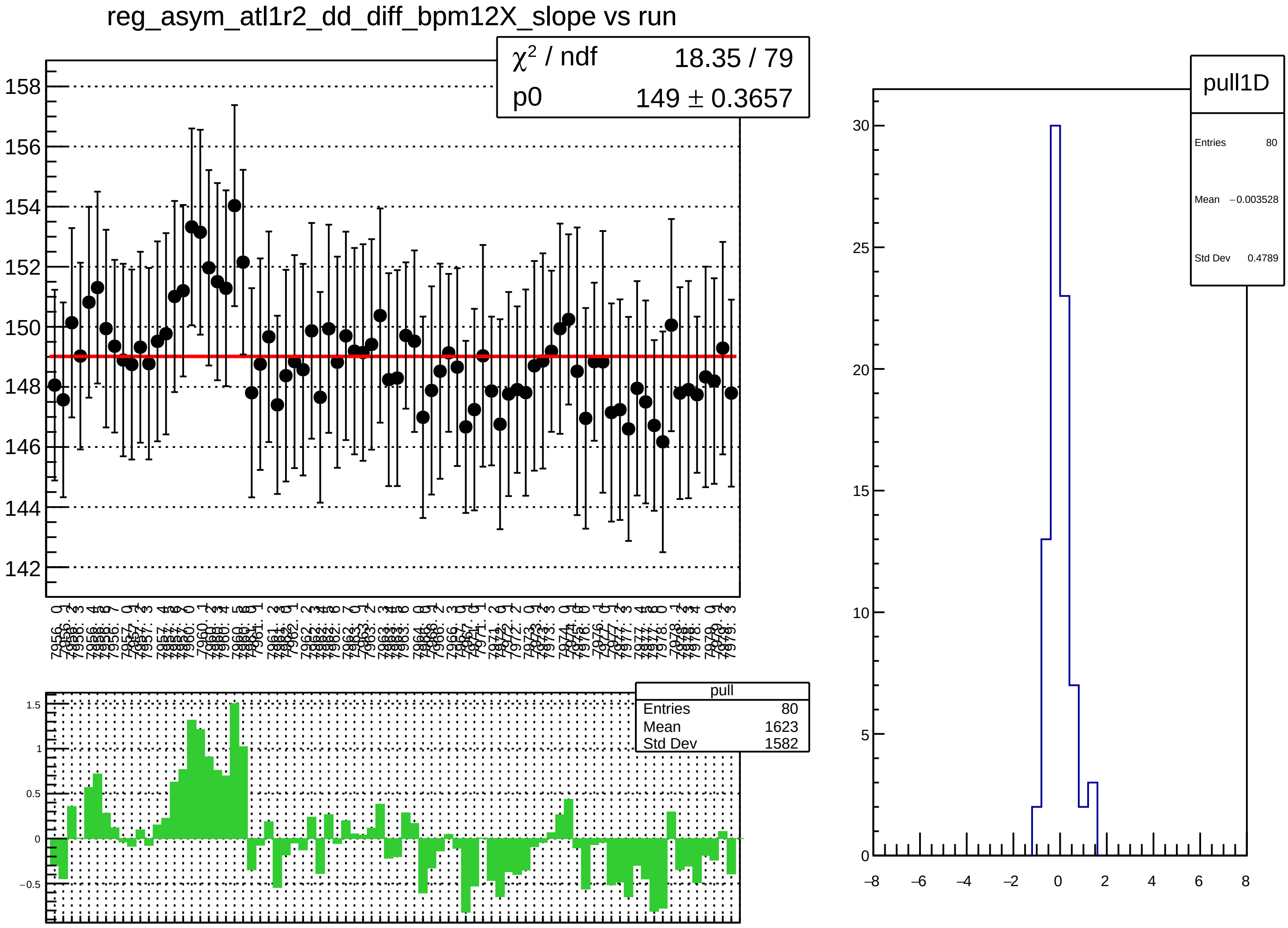


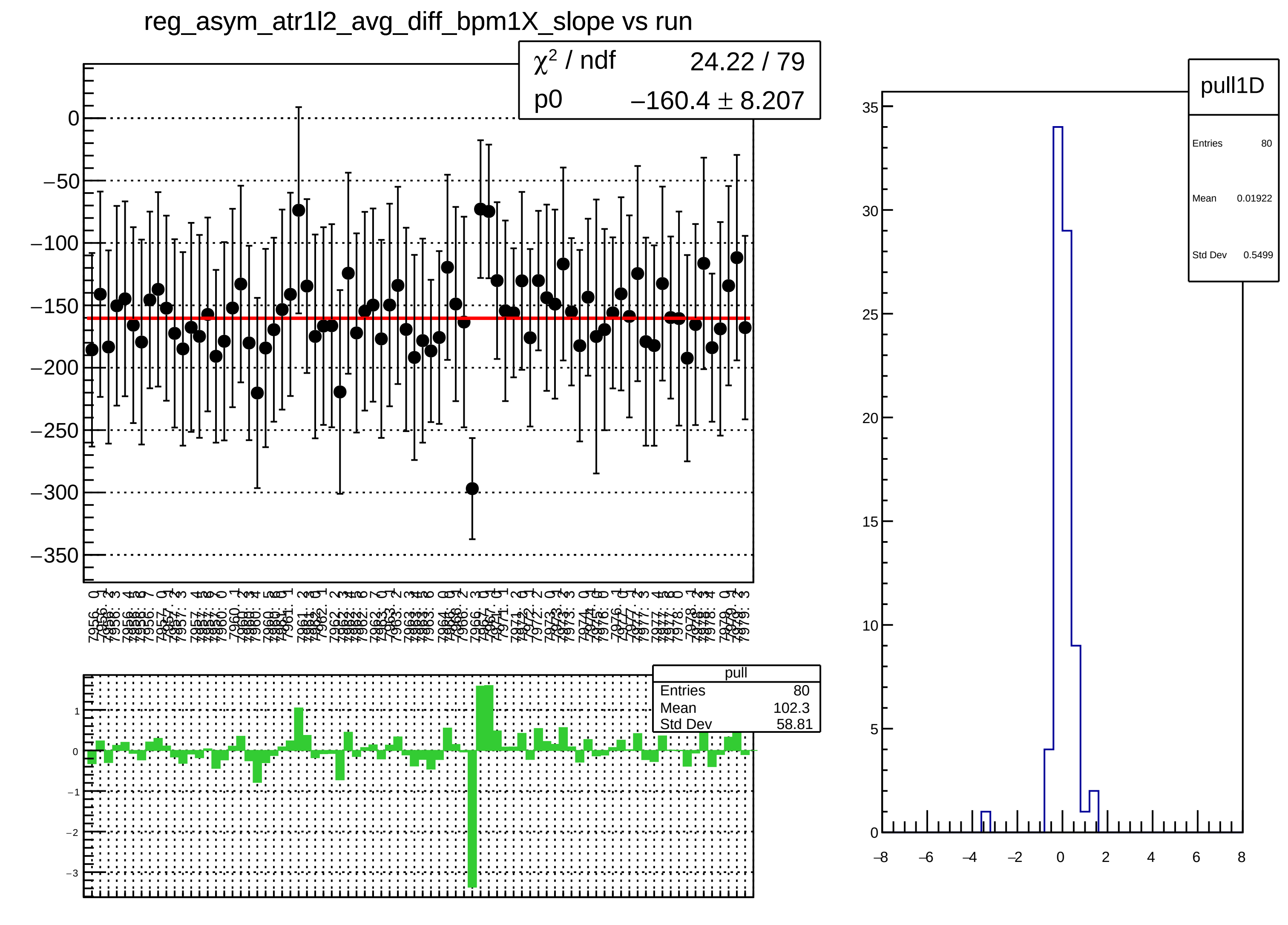
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.555 / 79
p0 −52.18 ± 11.03
pull
Entries 80
Mean 226.7
Std Dev 195.6
pull1D
Entries 80
Mean −0.004097
Std Dev 0.3073



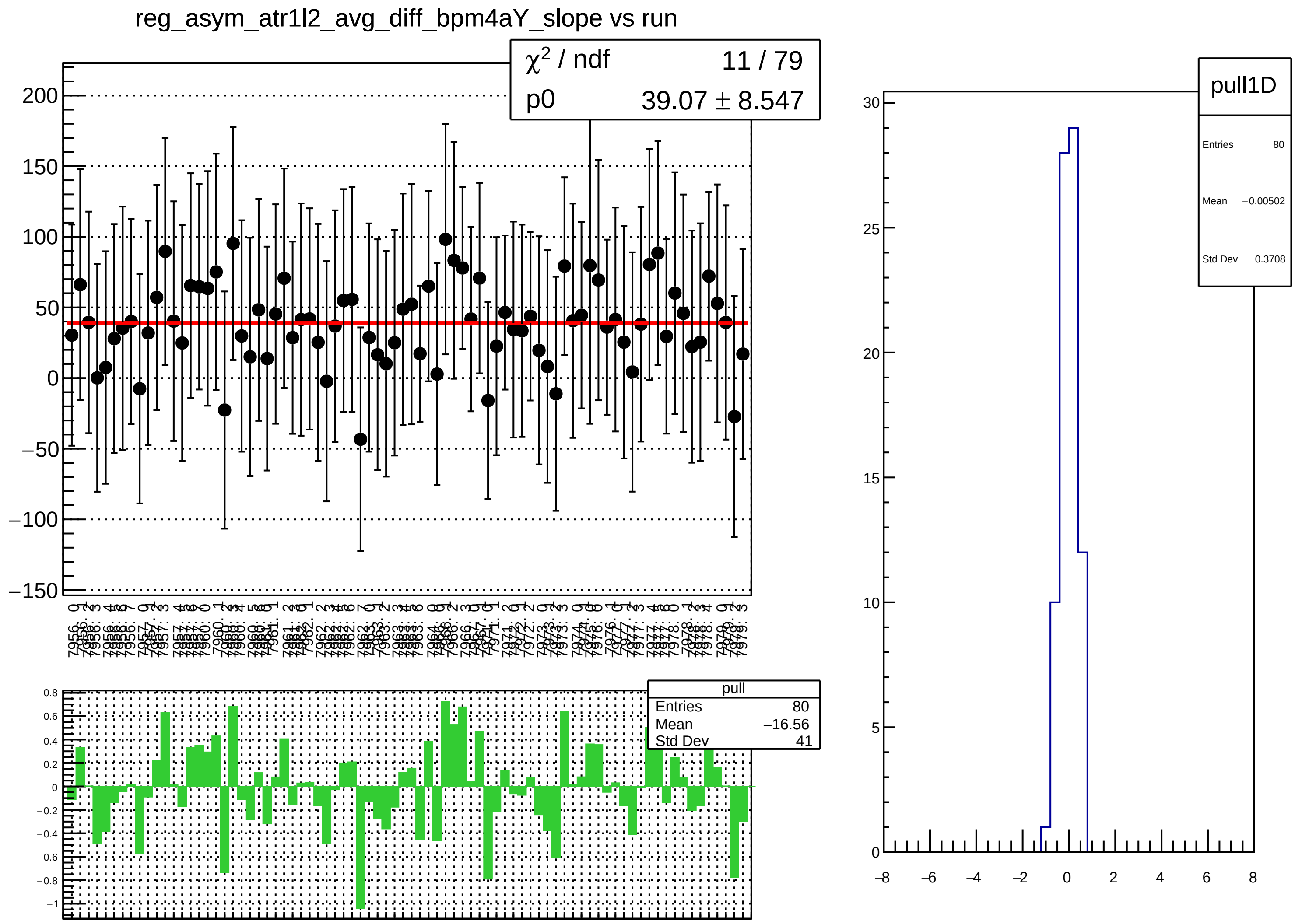
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.564 / 79
p0 −144.2 ± 9.424
pull
Entries 80
Mean −120
Std Dev 151.5
pull1D
Entries 80
Mean −0.004026
Std Dev 0.3075


reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.875 / 79
p0 −2.481 ± 12.63
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 80
Mean 41.74
Std Dev 96.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean 0.002471
Std Dev 0.2931
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

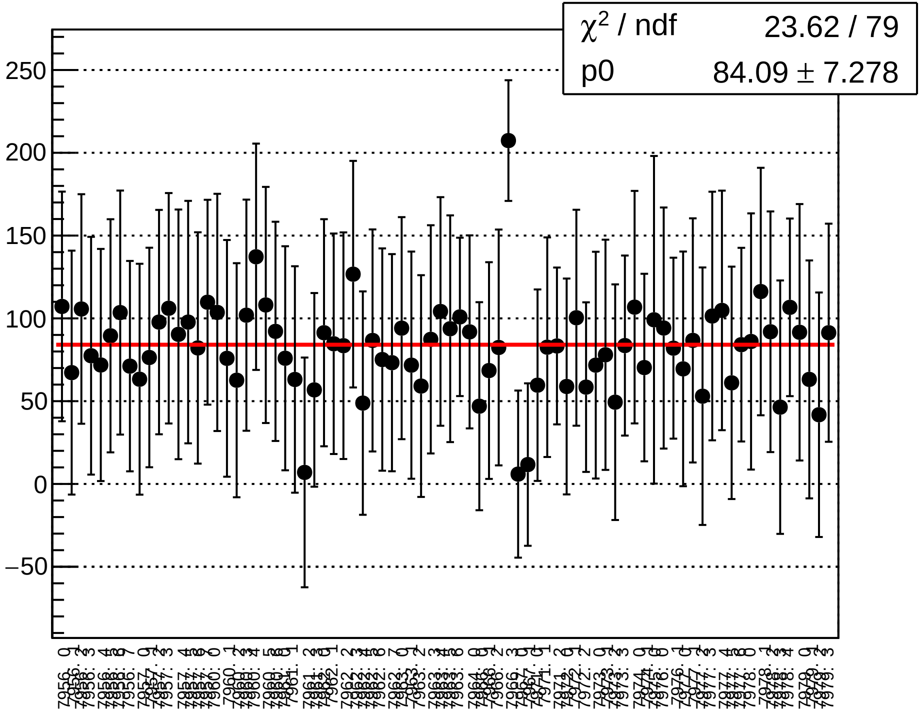

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 18.35 / 79
p0 149 ± 0.3657
pull
Entries 80
Mean 1623
Std Dev 1582
pull1D
Entries 80
Mean −0.003528
Std Dev 0.4789

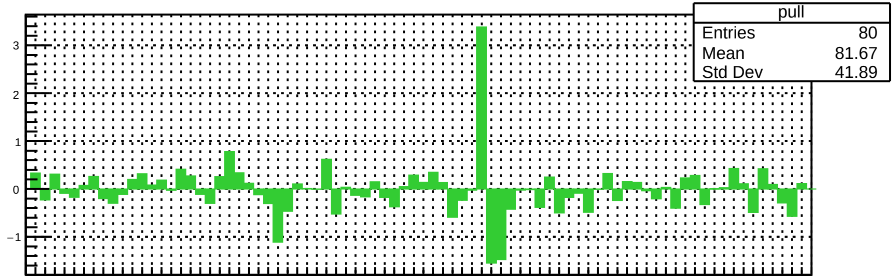


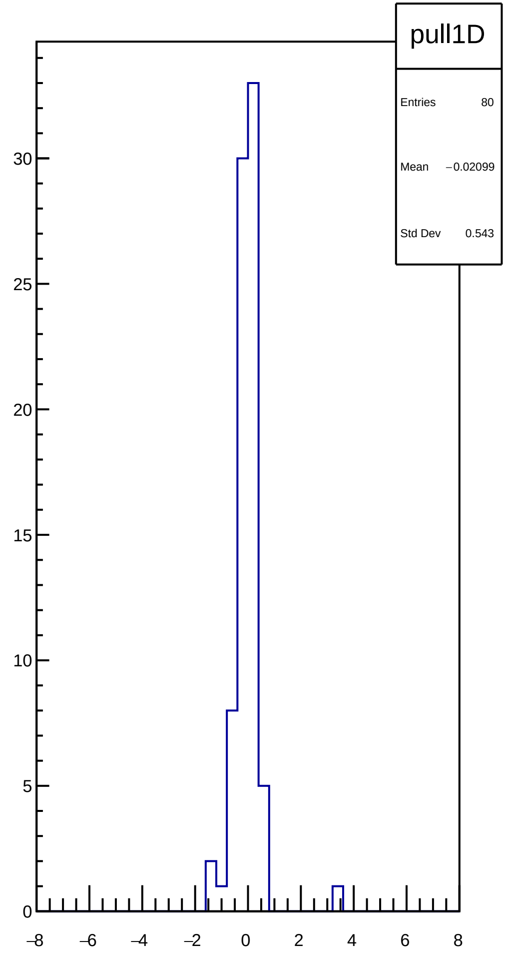
reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.22 / 79
p0 −160.4 ± 8.207
pull
Entries 80
Mean 102.3
Std Dev 58.81
pull1D
Entries 80
Mean 0.01922
Std Dev 0.5499

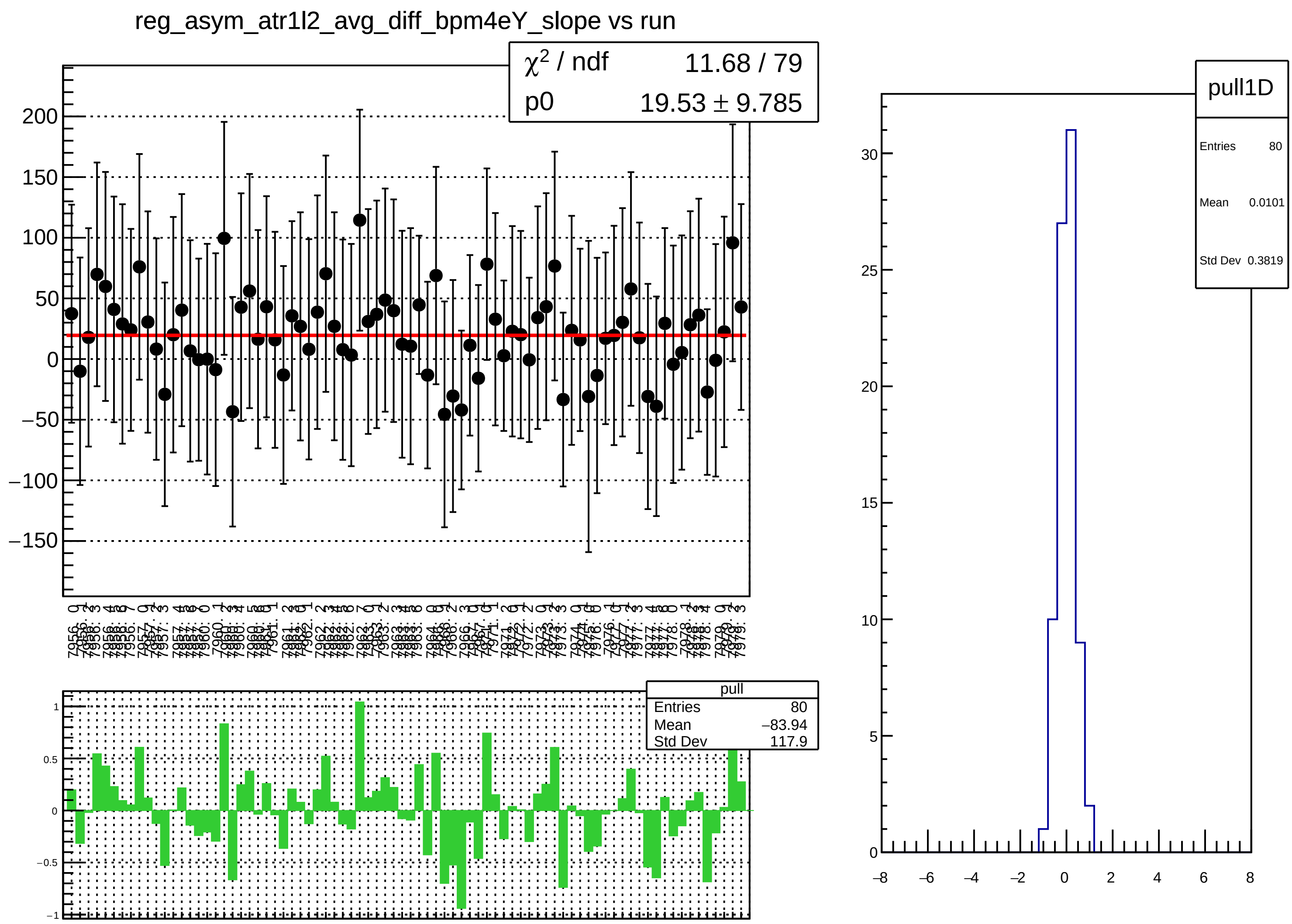

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 11 / 79
p0 39.07 ± 8.547
pull
Entries 80
Mean −16.56
Std Dev 41
pull1D
Entries 80
Mean −0.00502
Std Dev 0.3708

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run

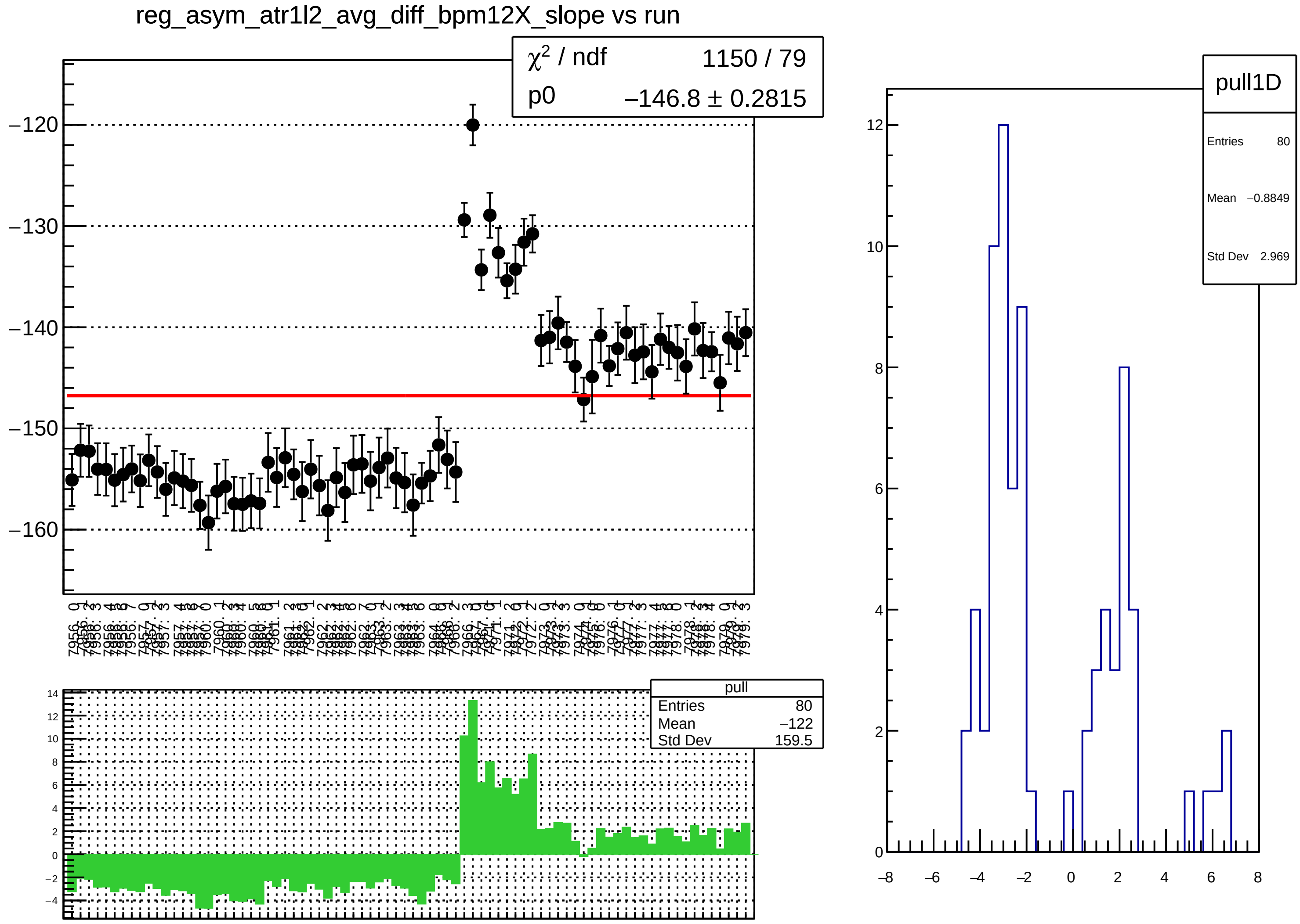




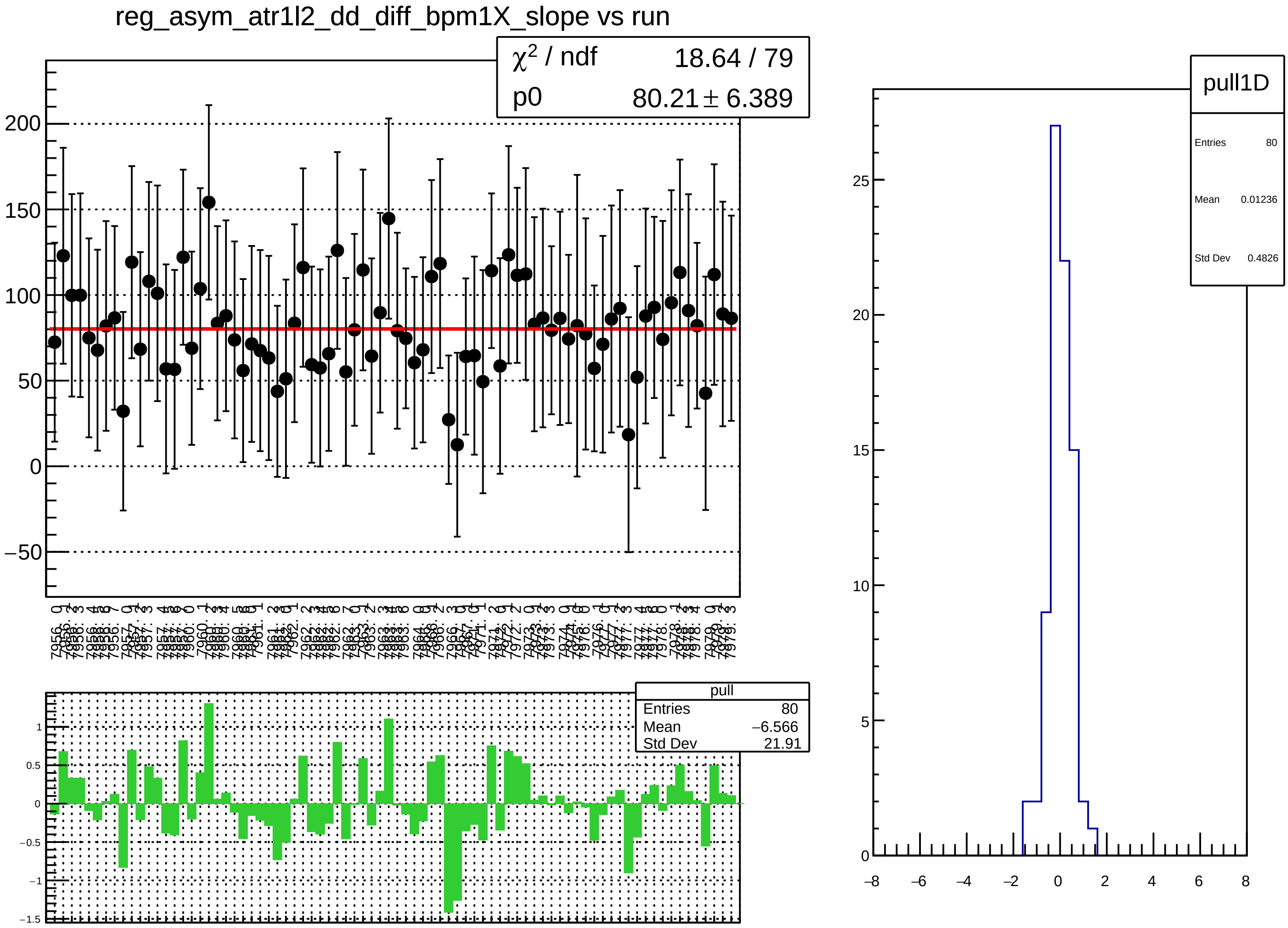




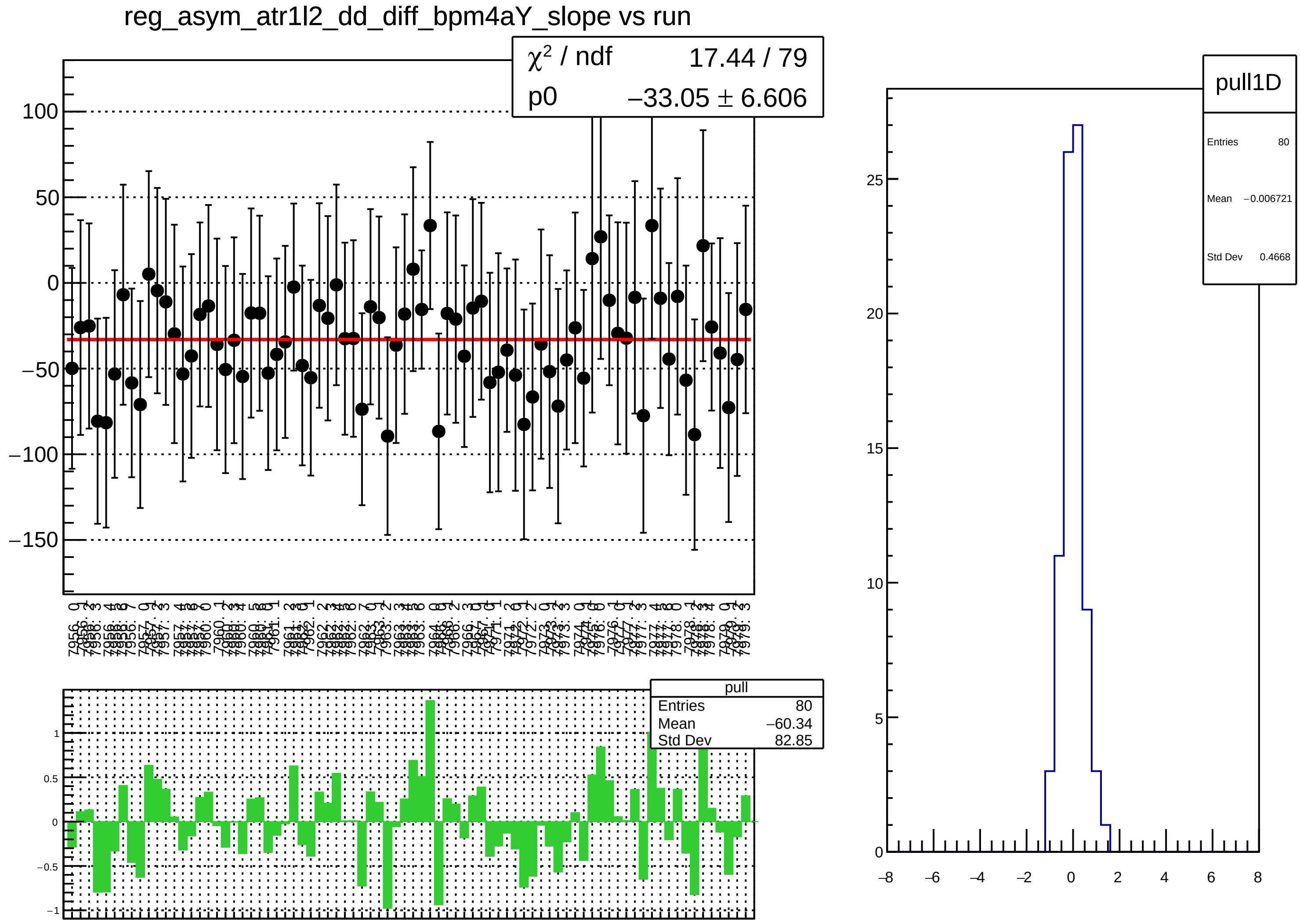
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.68 / 79
p0 19.53 ± 9.785
pull
Entries 80
Mean −83.94
Std Dev 117.9
pull1D
Entries 80
Mean 0.0101
Std Dev 0.3819



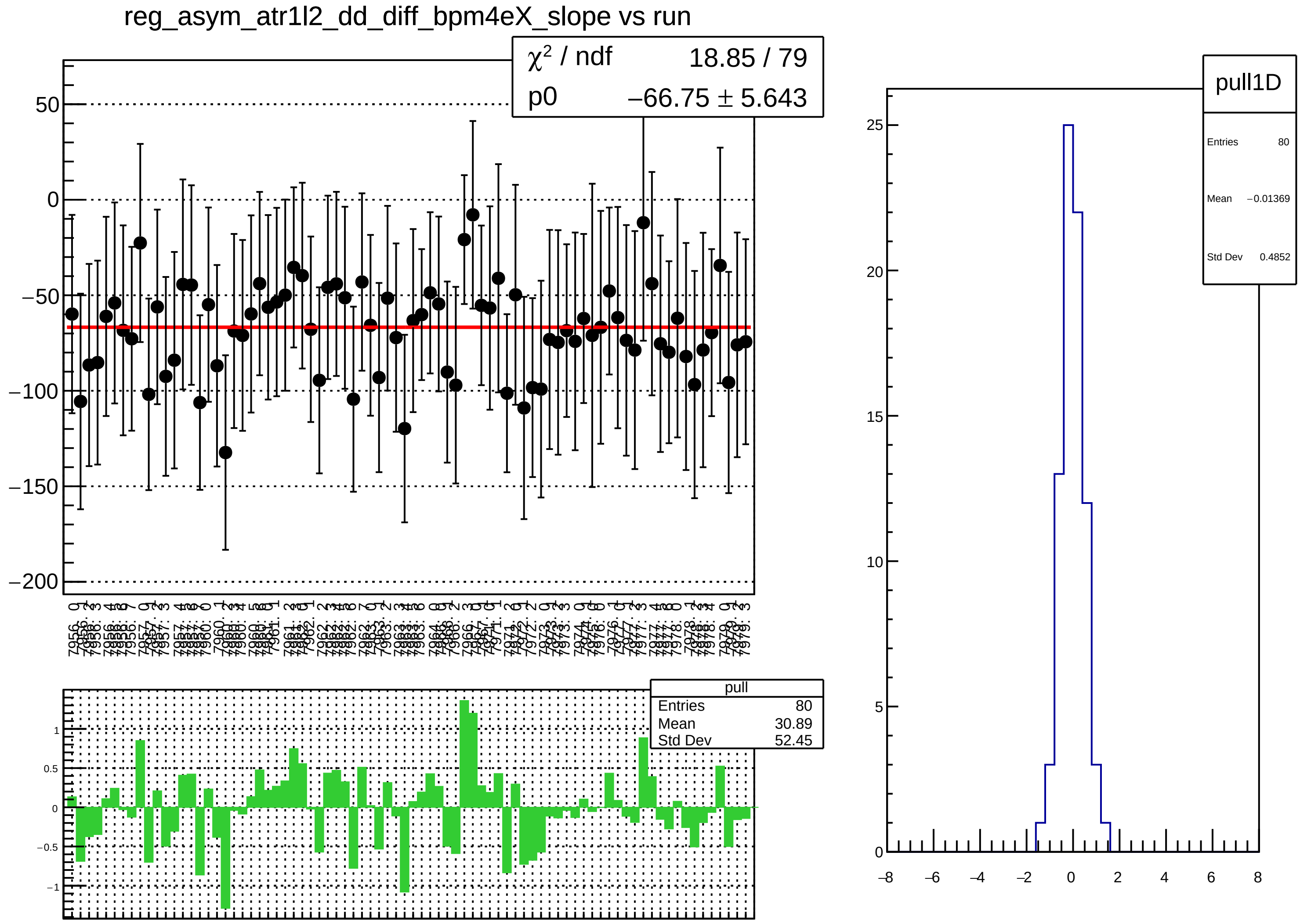
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 1150 / 79
p0 −146.8 ± 0.2815
−120
−130
−140
−150
−160
pull
Entries 80
Mean −122
Std Dev 159.5
14
12
10
8
6
4
2
0
−2
−4
pull1D
Entries 80
Mean −0.8849
Std Dev 2.969
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



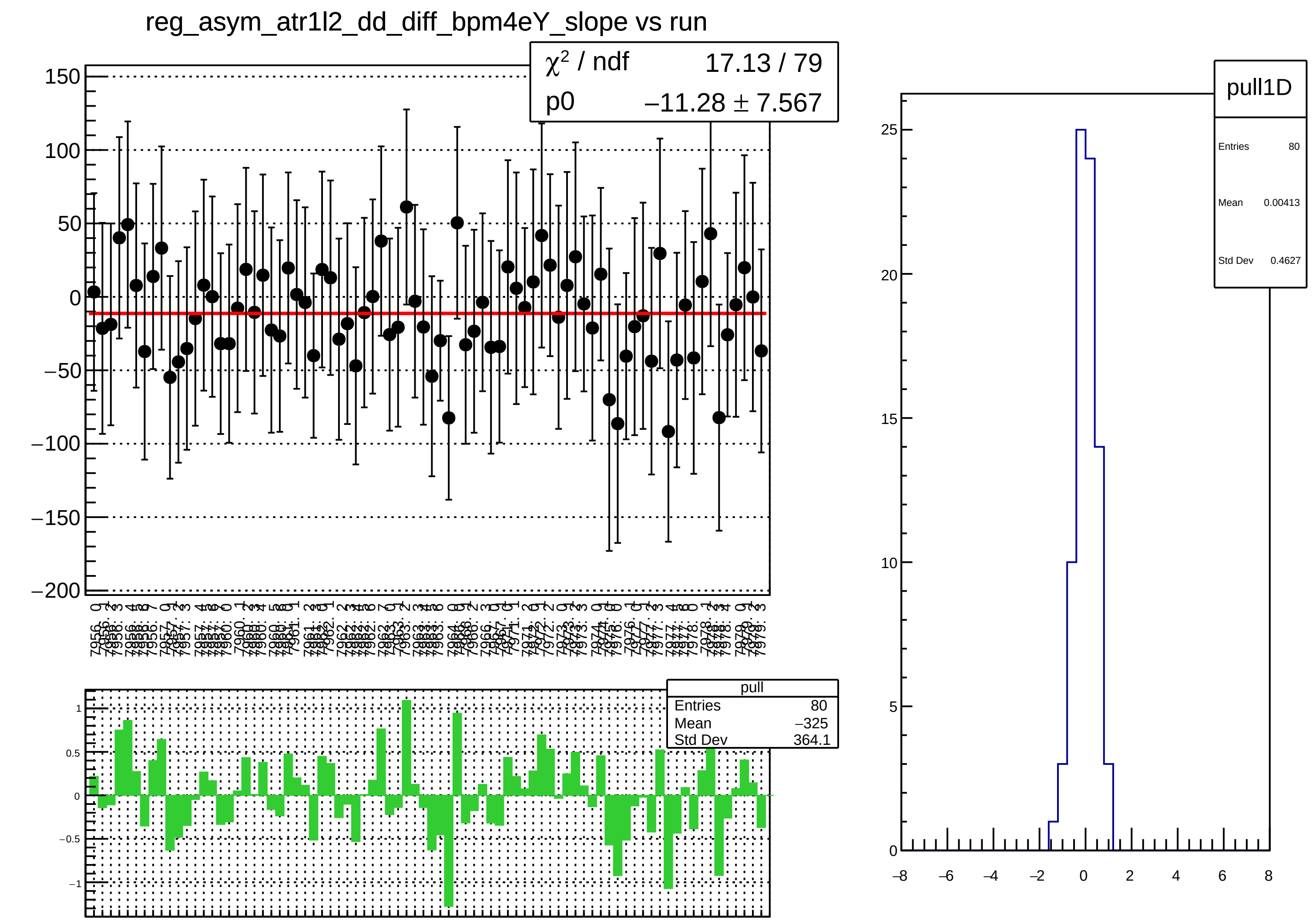
reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 18.64 / 79
p0 80.21 ± 6.389
pull
Entries 80
Mean −6.566
Std Dev 21.91
pull1D
Entries 80
Mean 0.01236
Std Dev 0.4826



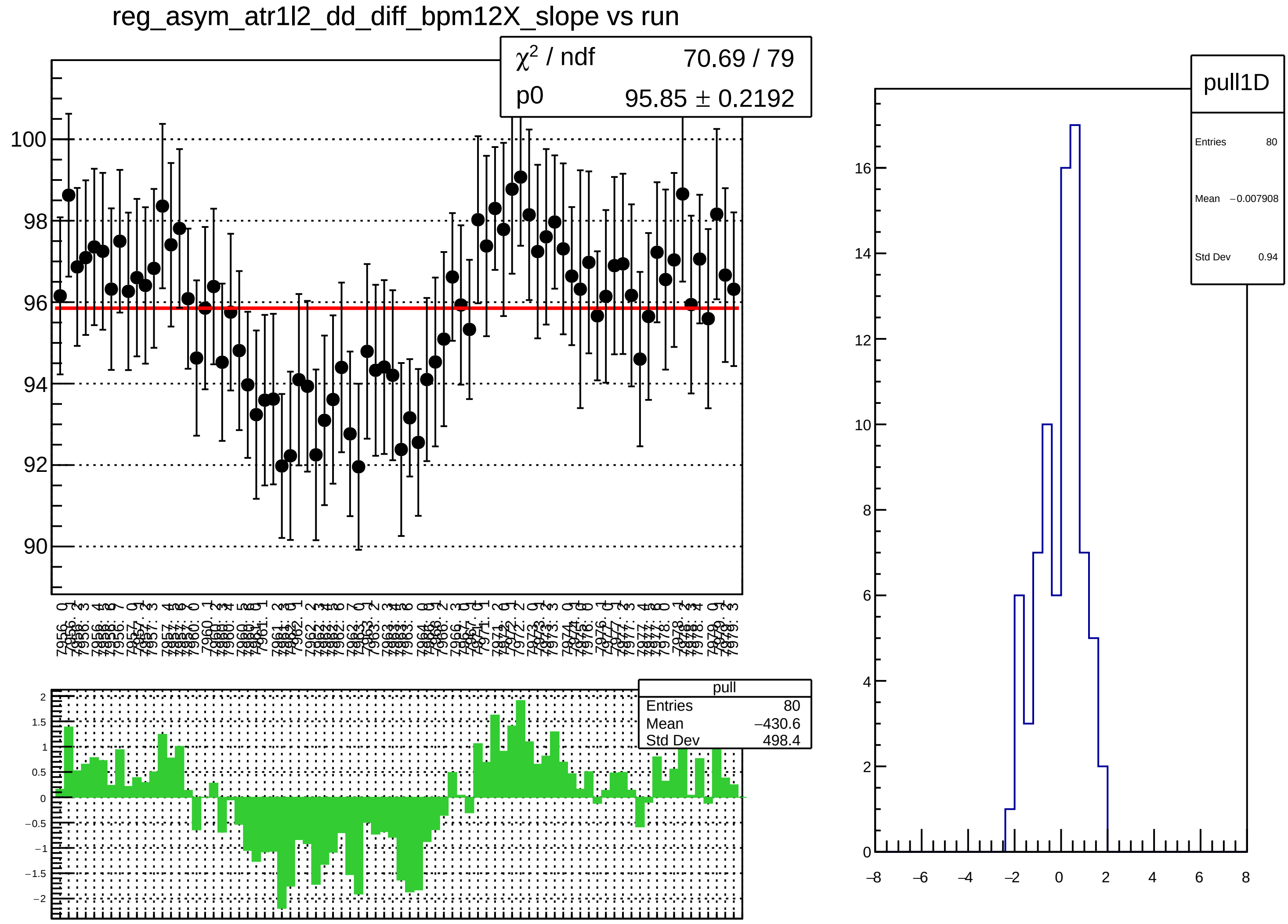
reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 17.44 / 79
p0 −33.05 ± 6.606
100
50
0
−50
−100
−150
pull
Entries 80
Mean −60.34
Std Dev 82.85
1
0.5
0
−0.5
−1
pull1D
Entries 80
Mean −0.006721
Std Dev 0.4668
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



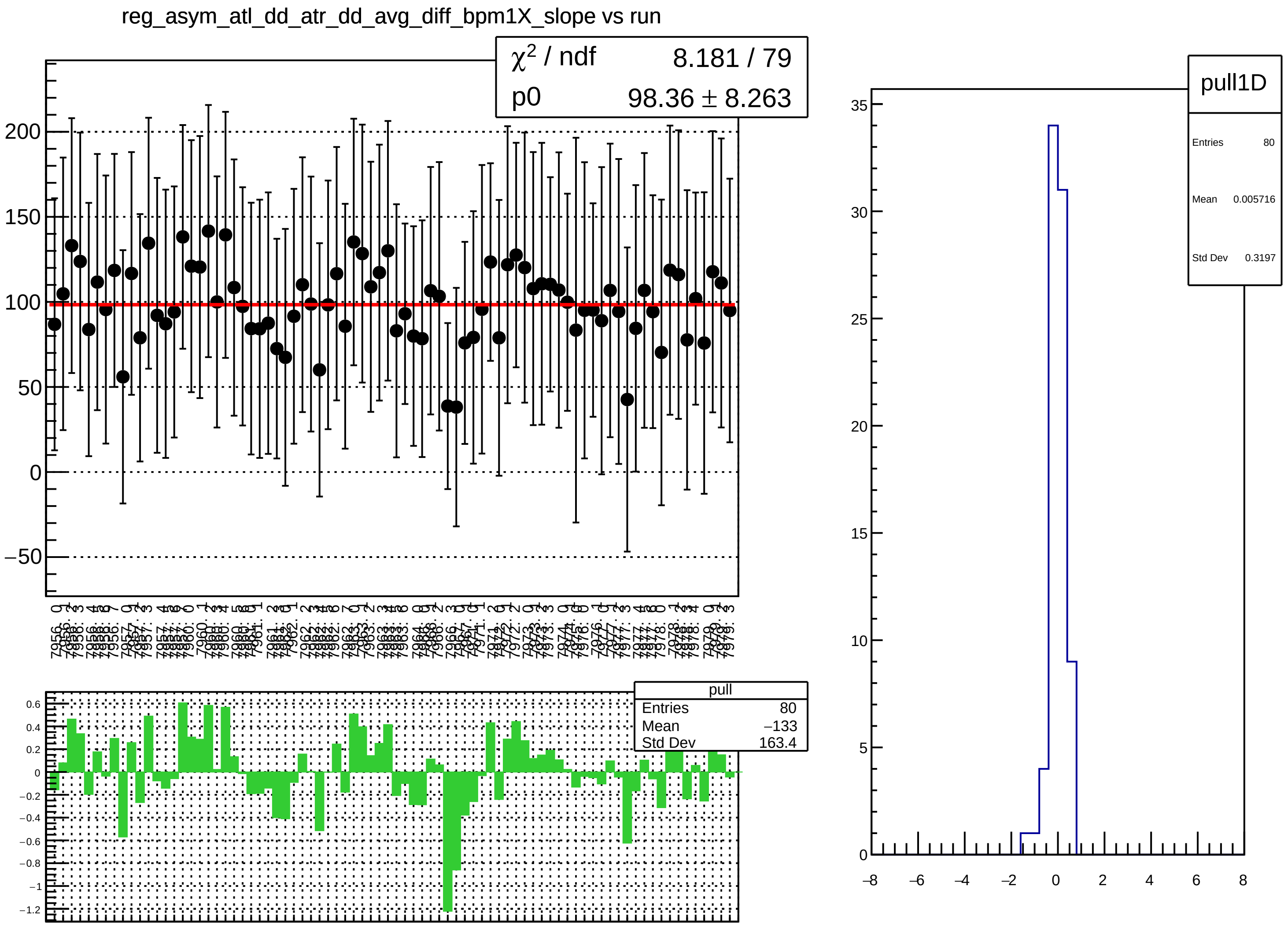
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.85 / 79
p0 −66.75 ± 5.643
pull
Entries 80
Mean 30.89
Std Dev 52.45
pull1D
Entries 80
Mean −0.01369
Std Dev 0.4852



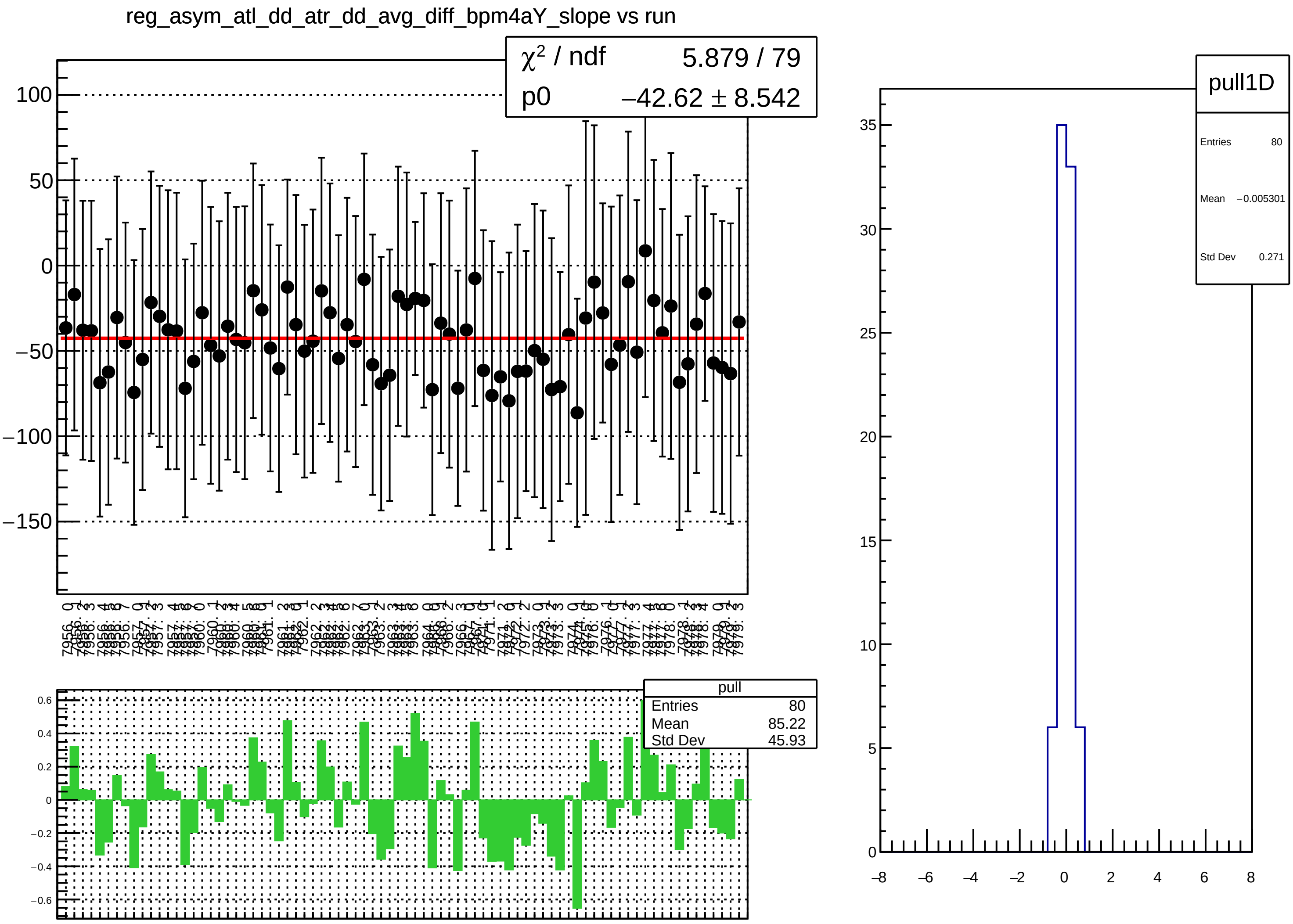
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 17.13 / 79
p0 −11.28 ± 7.567
pull
Entries 80
Mean −325
Std Dev 364.1
pull1D
Entries 80
Mean 0.00413
Std Dev 0.4627



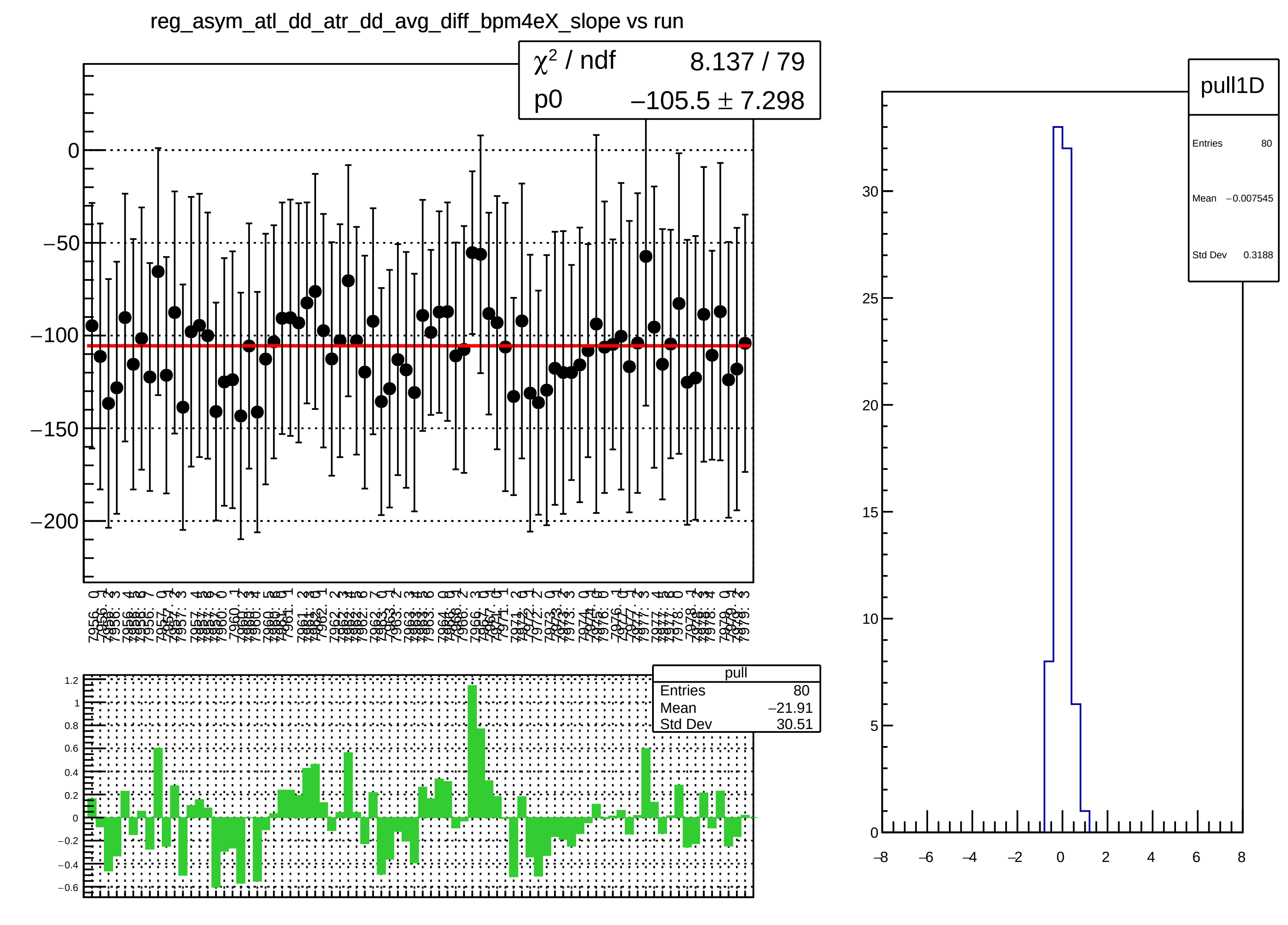
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 70.69 / 79
p0 95.85 ± 0.2192
pull
Entries 80
Mean −430.6
Std Dev 498.4
pull1D
Entries 80
Mean −0.007908
Std Dev 0.94



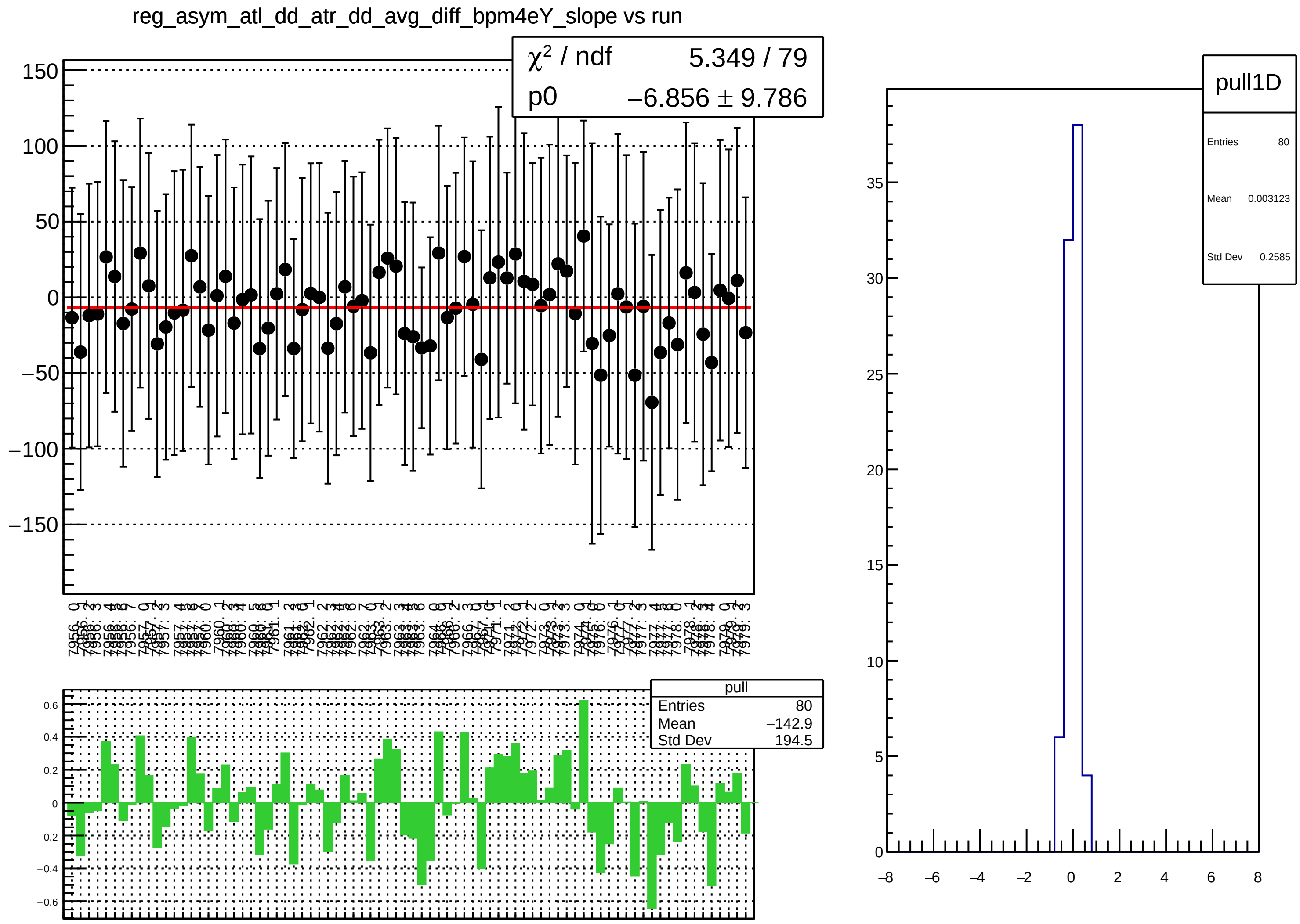
reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.181 / 79
p0 98.36 ± 8.263
pull
Entries 80
Mean −133
Std Dev 163.4
pull1D
Entries 80
Mean 0.005716
Std Dev 0.3197



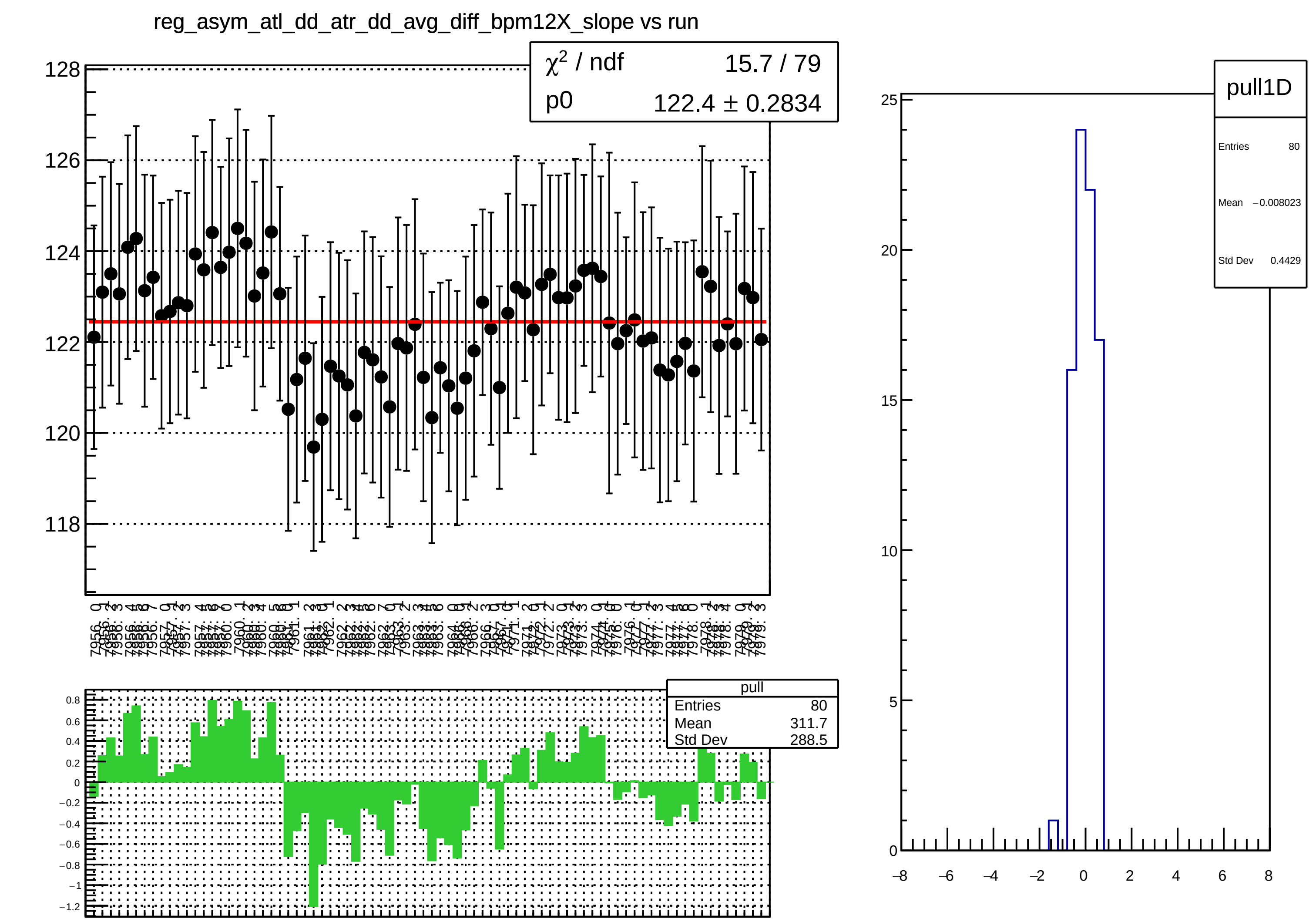
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.879 / 79
p0 −42.62 ± 8.542
pull
Entries 80
Mean 85.22
Std Dev 45.93
pull1D
Entries 80
Mean −0.005301
Std Dev 0.271



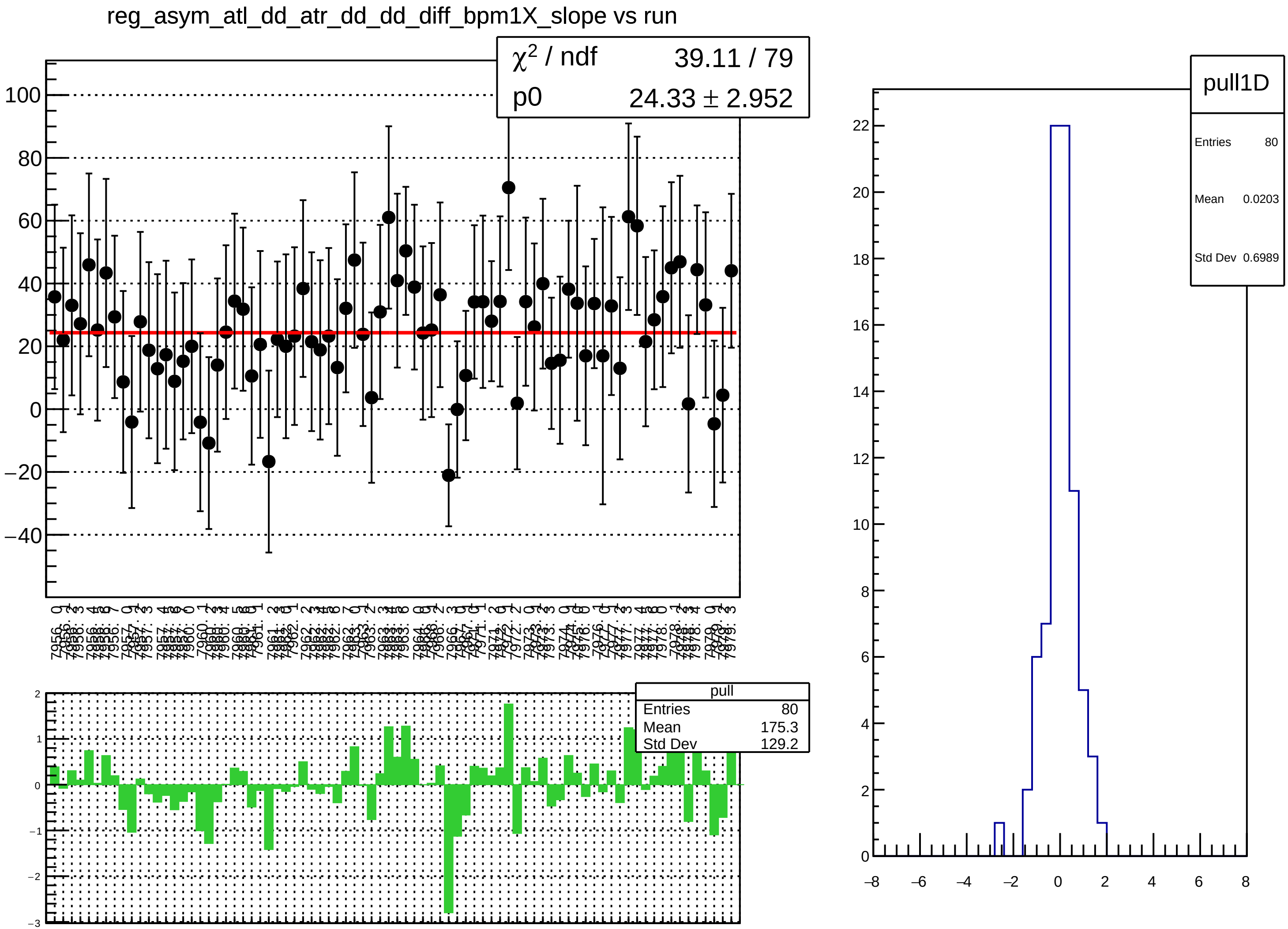
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.137 / 79
p0 −105.5 ± 7.298
0
−50
−100
−150
−200
pull
Entries 80
Mean −21.91
Std Dev 30.51
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 80
Mean −0.007545
Std Dev 0.3188
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



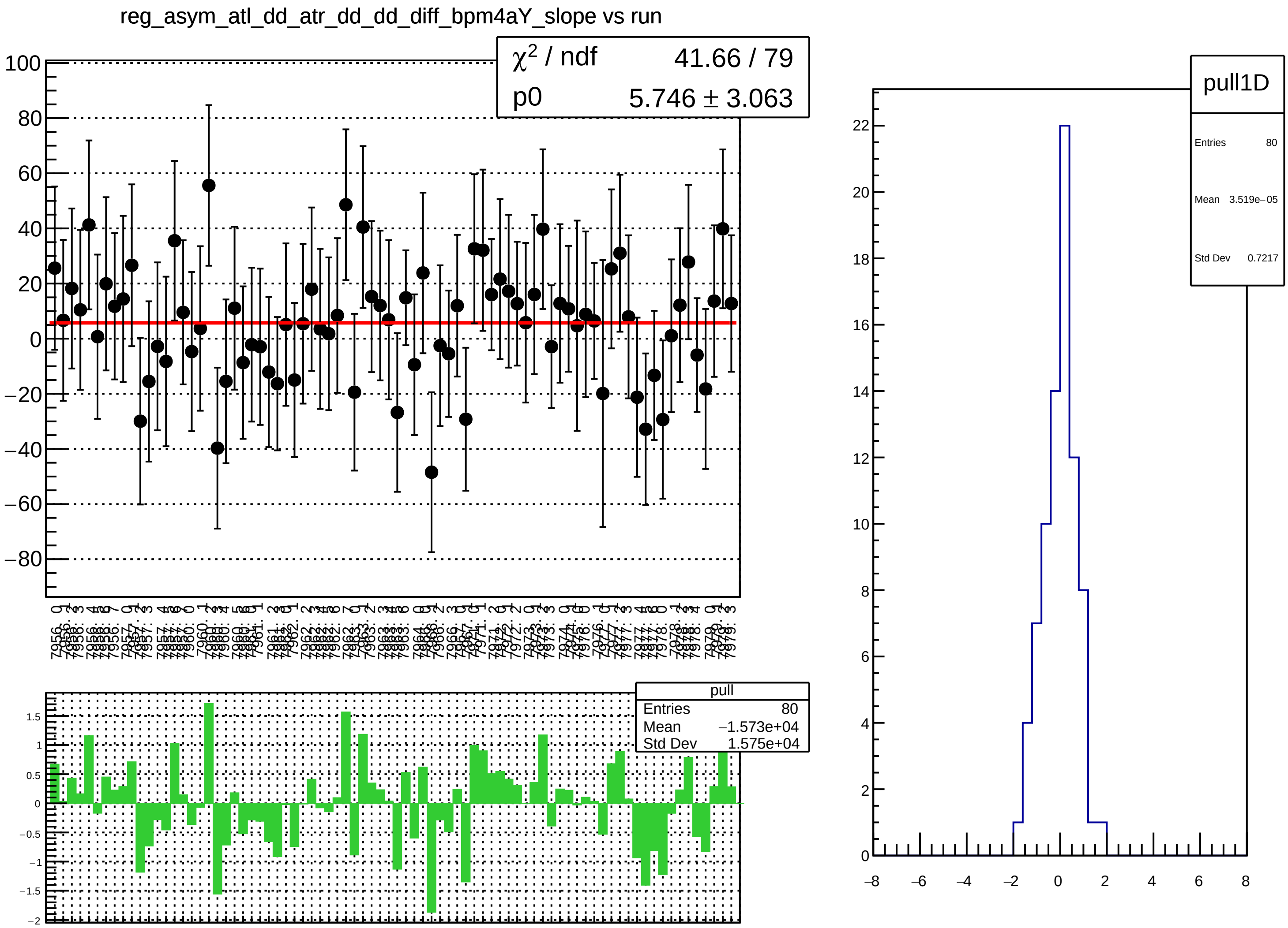
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.349 / 79
p0 −6.856 ± 9.786
pull
Entries 80
Mean −142.9
Std Dev 194.5
pull1D
Entries 80
Mean 0.003123
Std Dev 0.2585



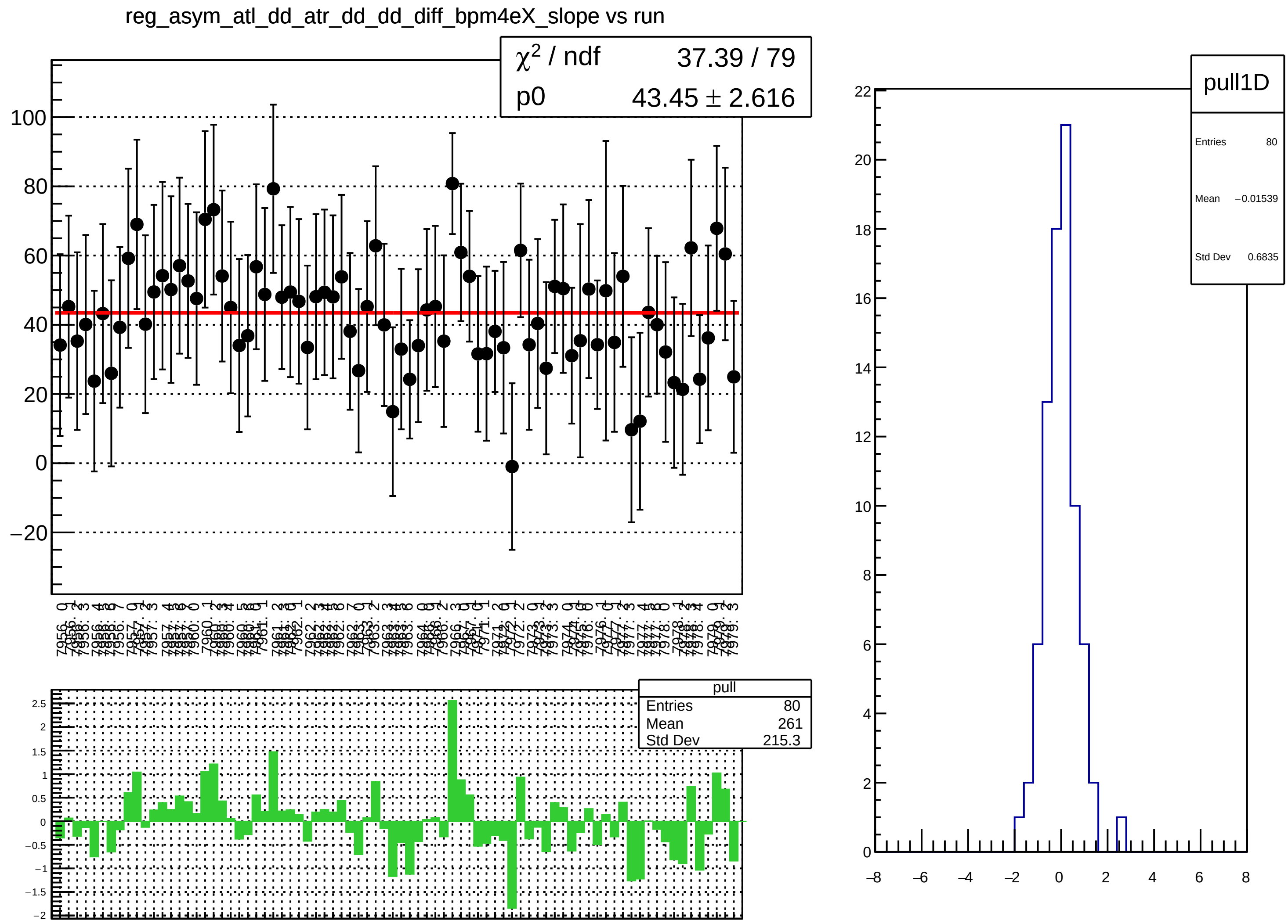
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ2 / ndf 15.7 / 79
p0 122.4 ± 0.2834
pull
Entries 80
Mean 311.7
Std Dev 288.5
pull1D
Entries 80
Mean −0.008023
Std Dev 0.4429



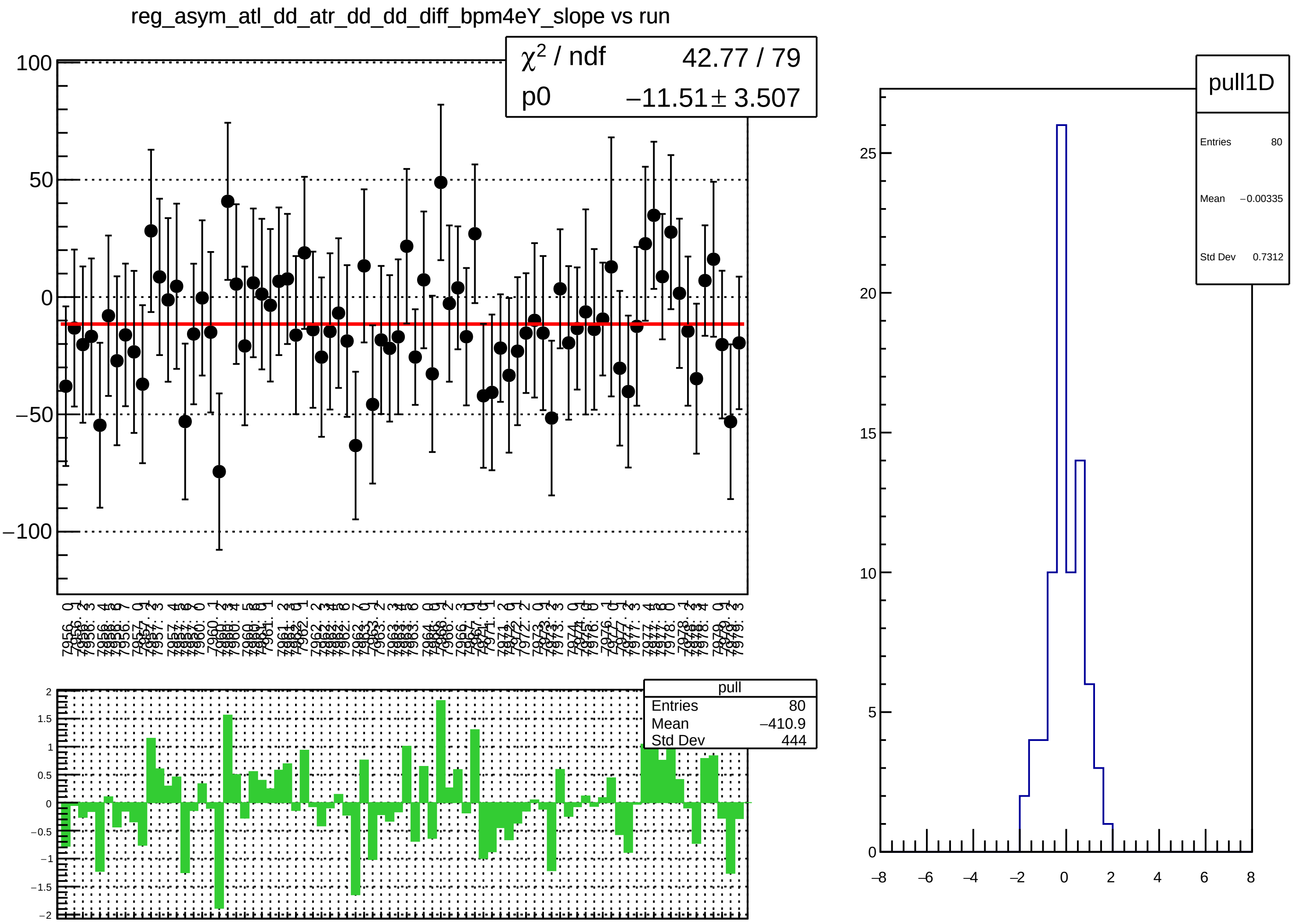
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ^2 / ndf 39.11 / 79
p0 24.33 ± 2.952
pull
Entries 80
Mean 175.3
Std Dev 129.2
pull1D
Entries 80
Mean 0.0203
Std Dev 0.6989

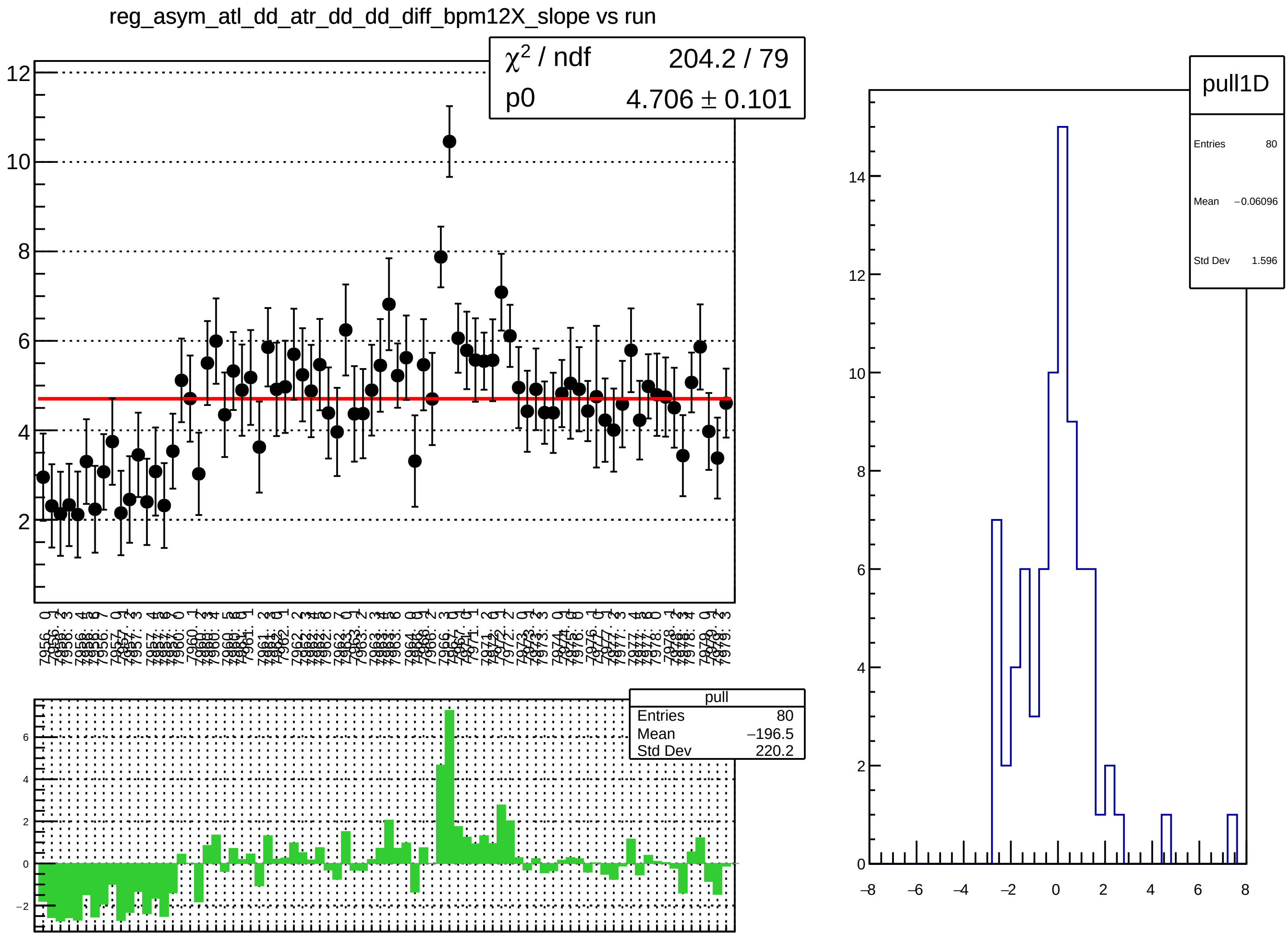


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ2 / ndf 41.66 / 79
p0 5.746 ± 3.063
pull
Entries 80
Mean −1.573e+04
Std Dev 1.575e+04
pull1D
Entries 80
Mean 3.519e−05
Std Dev 0.7217

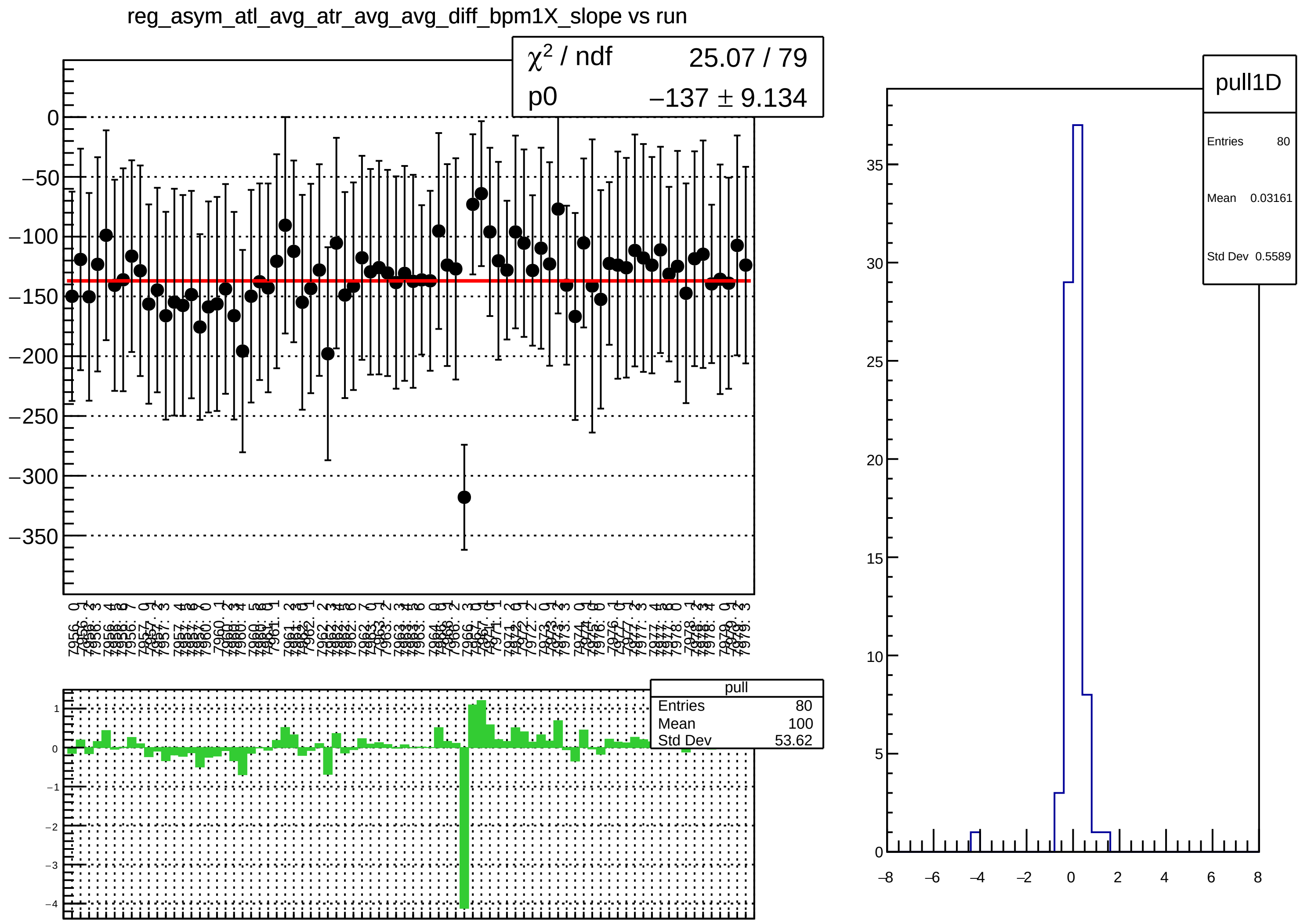


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 37.39 / 79
p0 43.45 ± 2.616
pull
Entries 80
Mean 261
Std Dev 215.3
pull1D
Entries 80
Mean −0.01539
Std Dev 0.6835

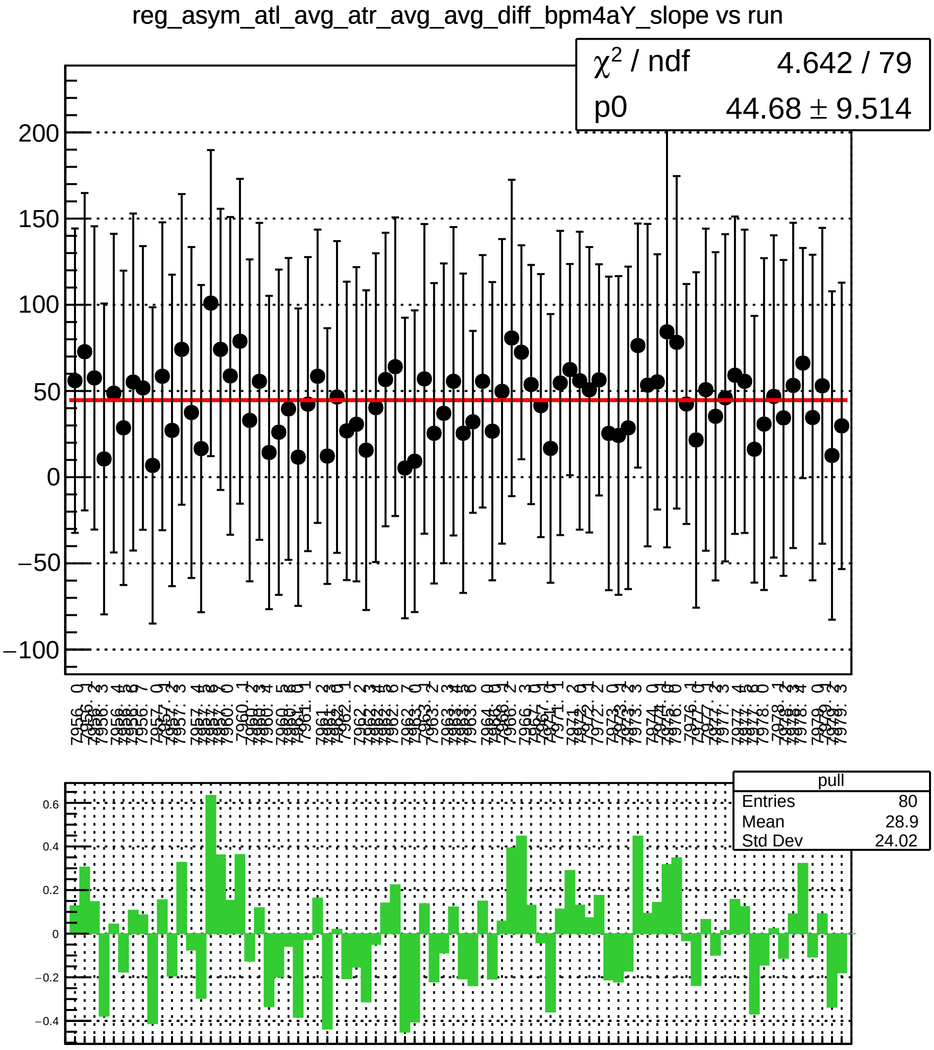

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 42.77 / 79
p0 −11.51 ± 3.507
pull
Entries 80
Mean −410.9
Std Dev 444
pull1D
Entries 80
Mean −0.00335
Std Dev 0.7312

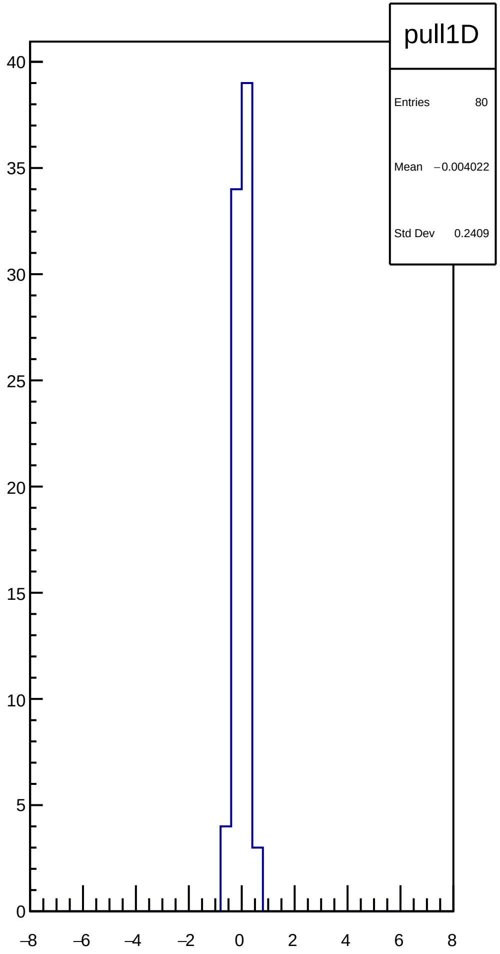


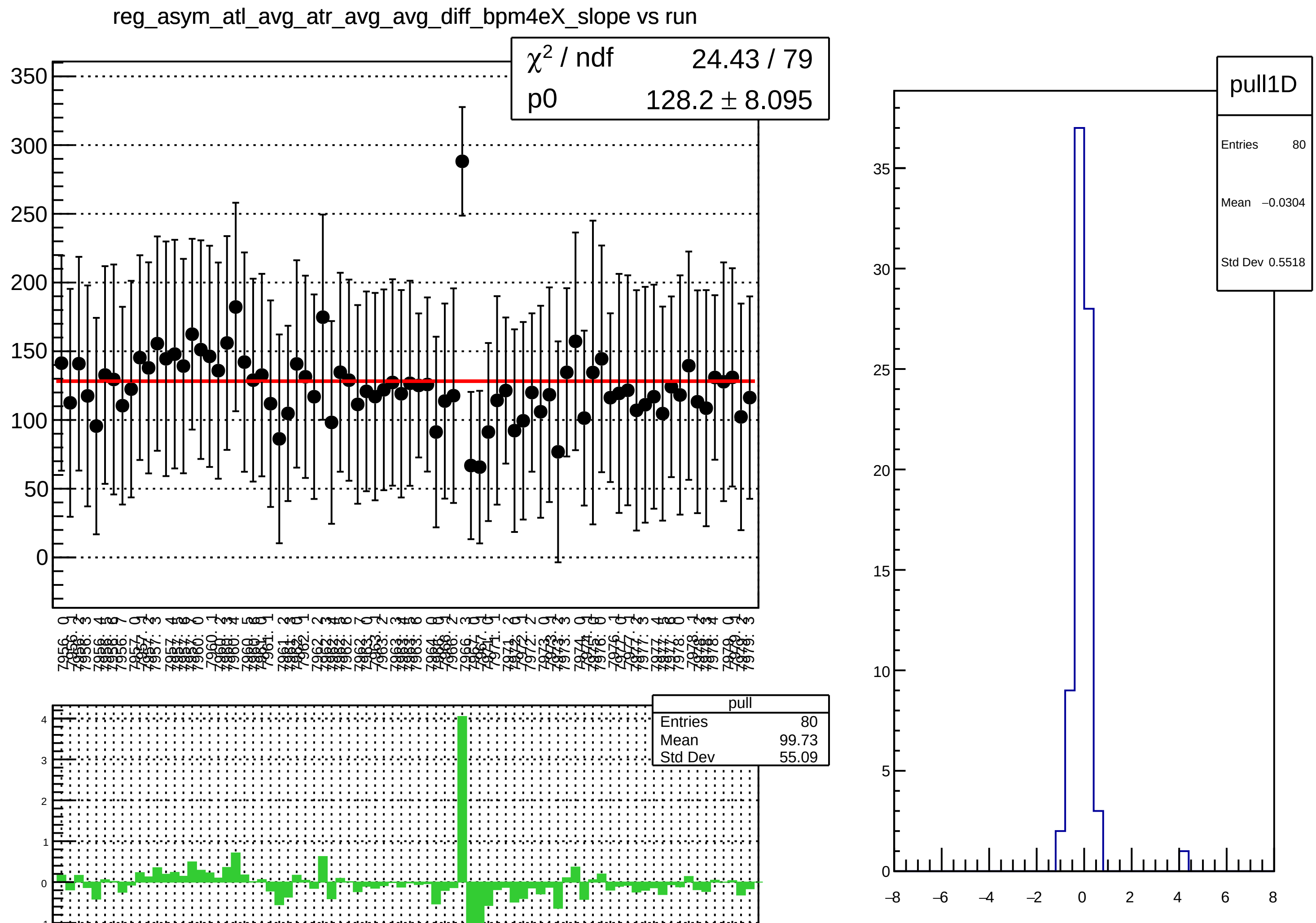
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 204.2 / 79
p0 4.706 ± 0.101
pull
Entries 80
Mean −196.5
Std Dev 220.2
pull1D
Entries 80
Mean −0.06096
Std Dev 1.596



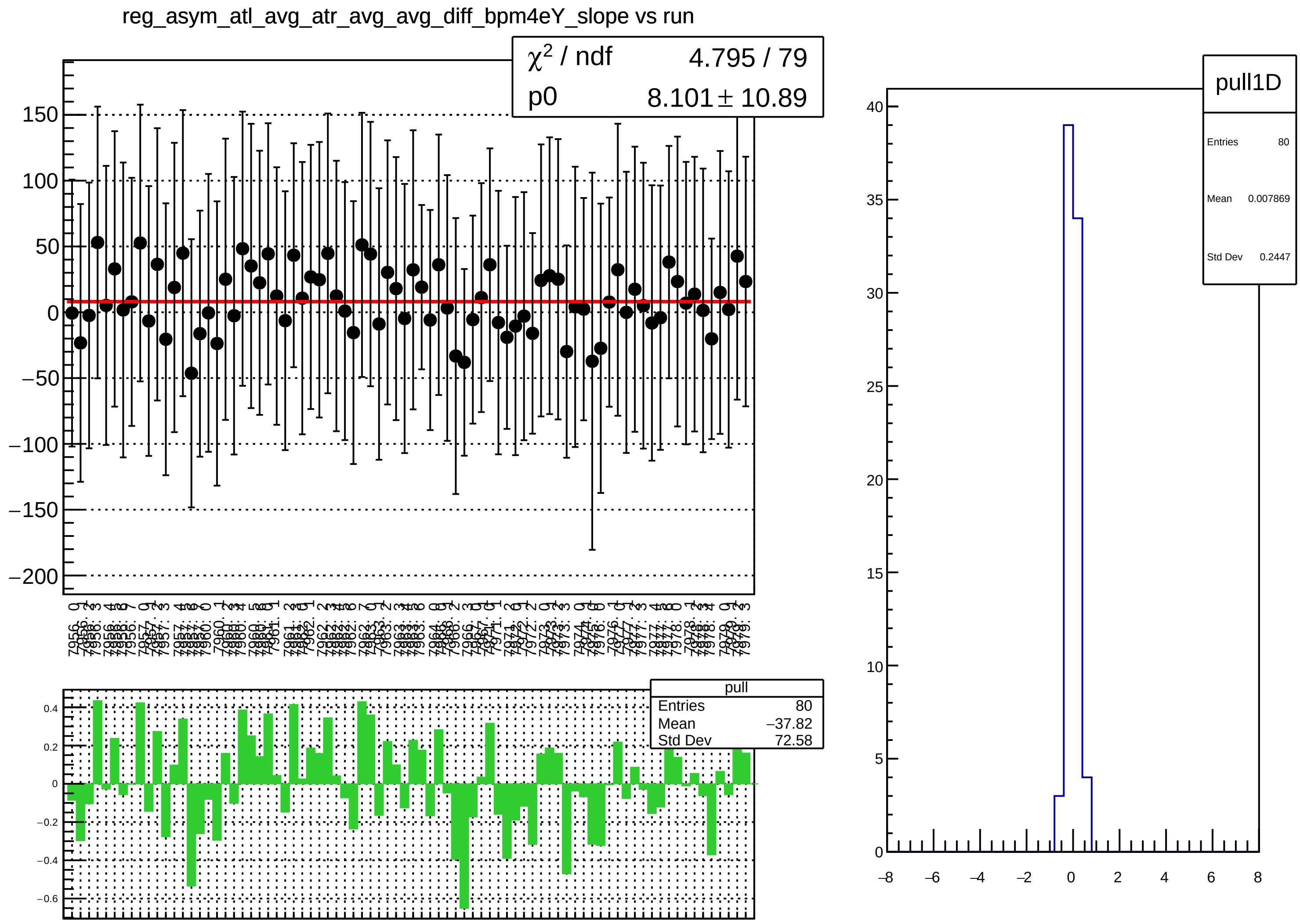
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 25.07 / 79
p0 −137 ± 9.134
pull
Entries 80
Mean 100
Std Dev 53.62
pull1D
Entries 80
Mean 0.03161
Std Dev 0.5589


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

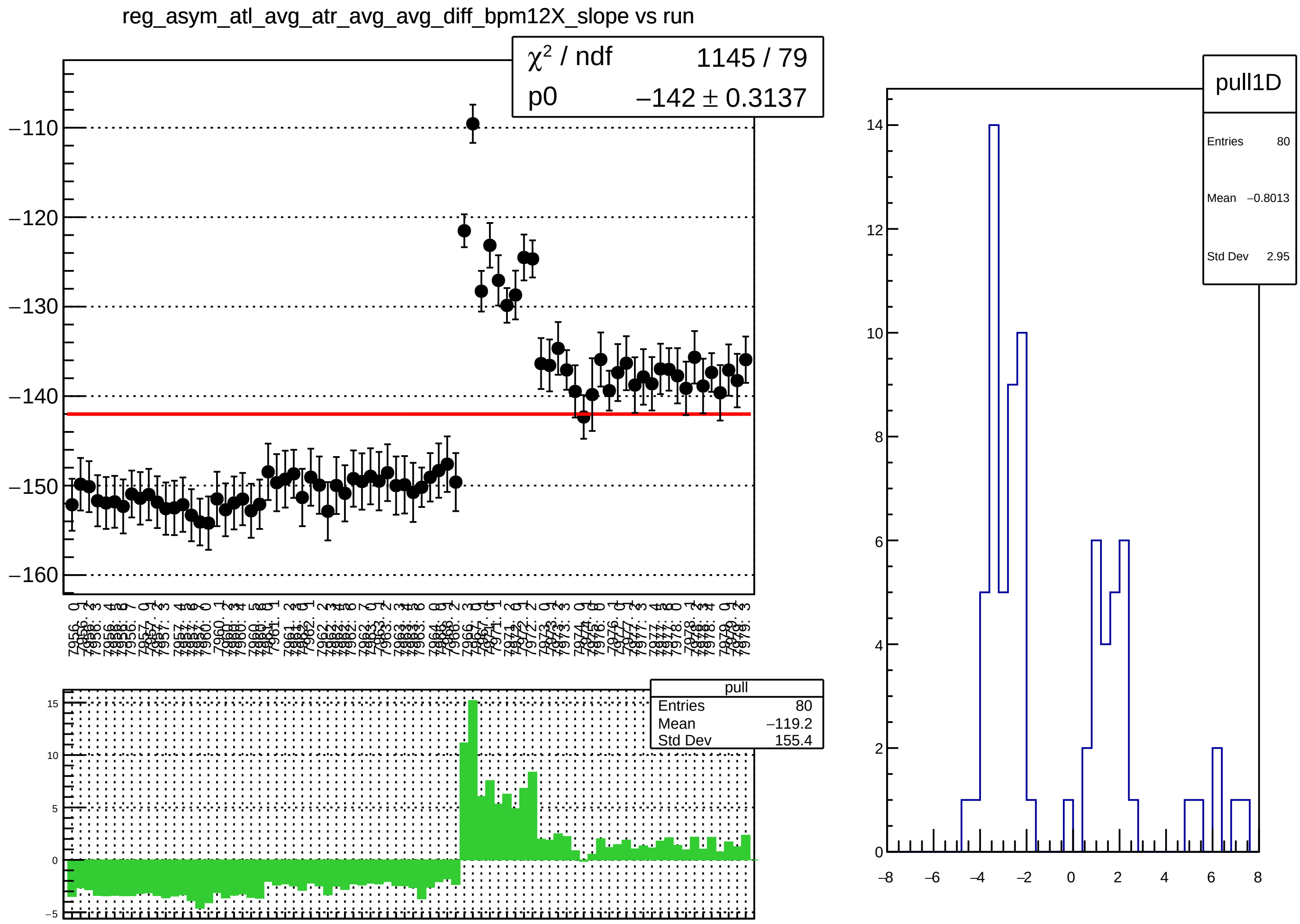

pull1D
Entries 80
Mean −0.004022
Std Dev 0.2409

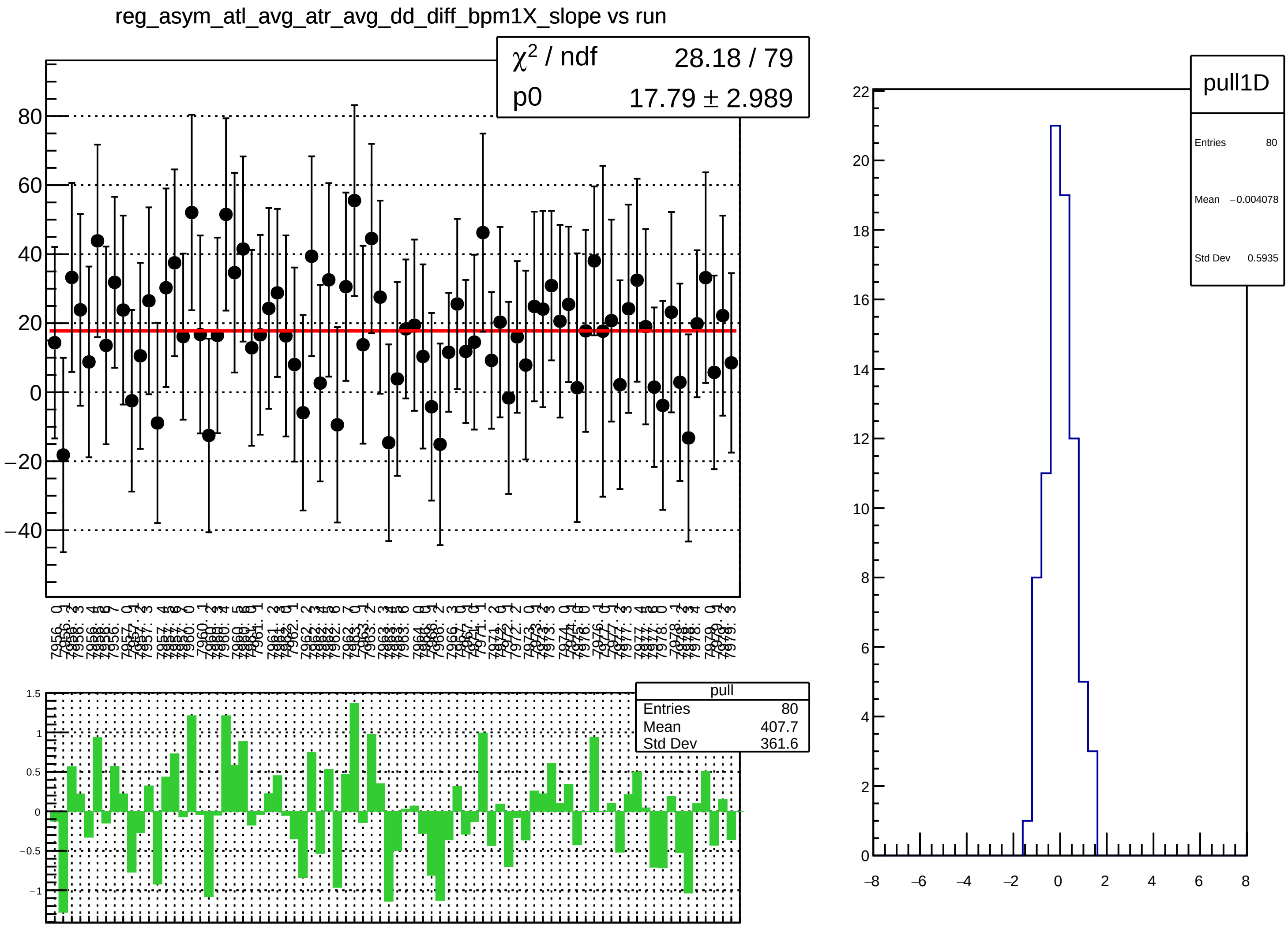


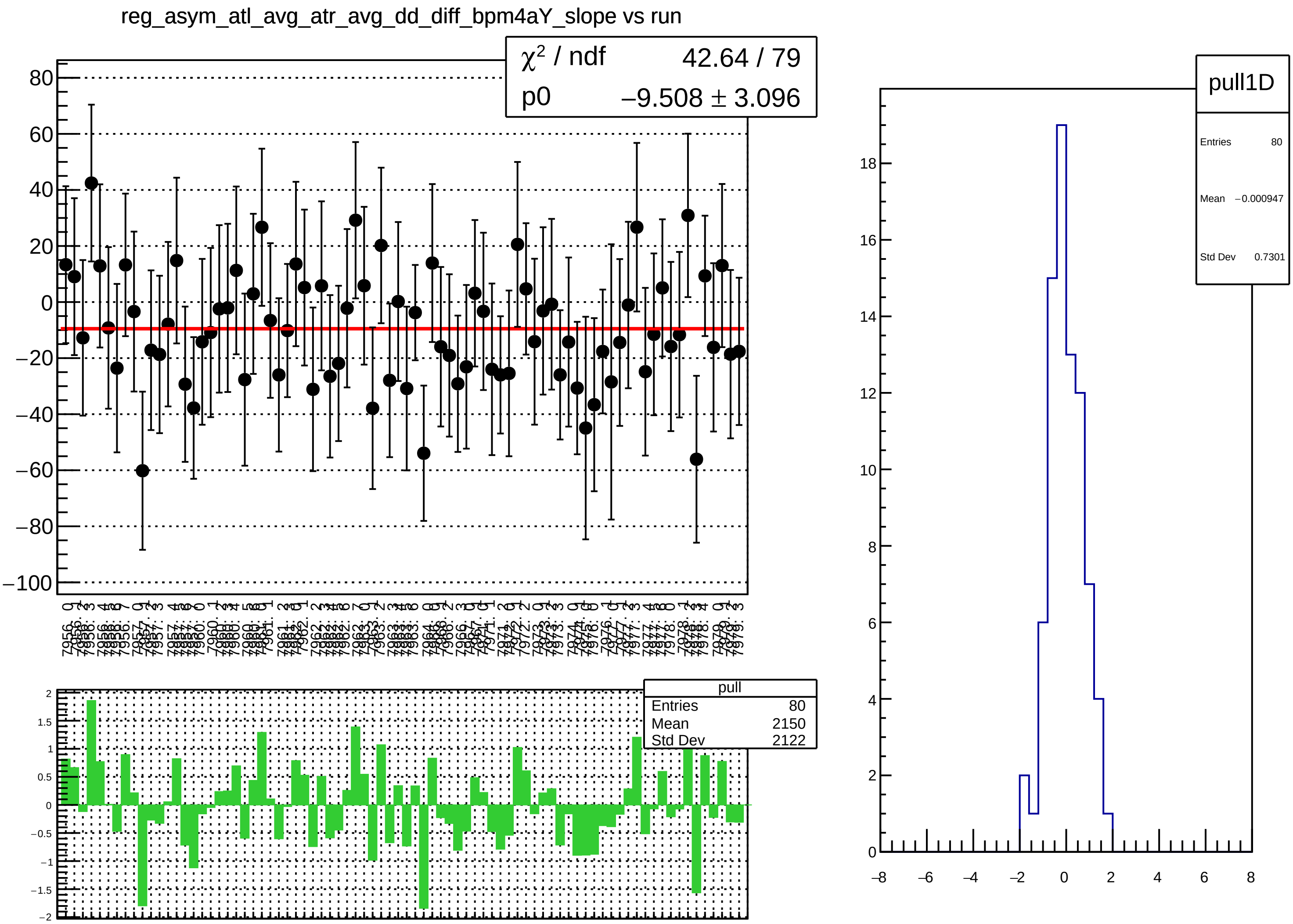
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 24.43 / 79
p0 128.2 ± 8.095
pull
Entries 80
Mean 99.73
Std Dev 55.09
pull1D
Entries 80
Mean −0.0304
Std Dev 0.5518



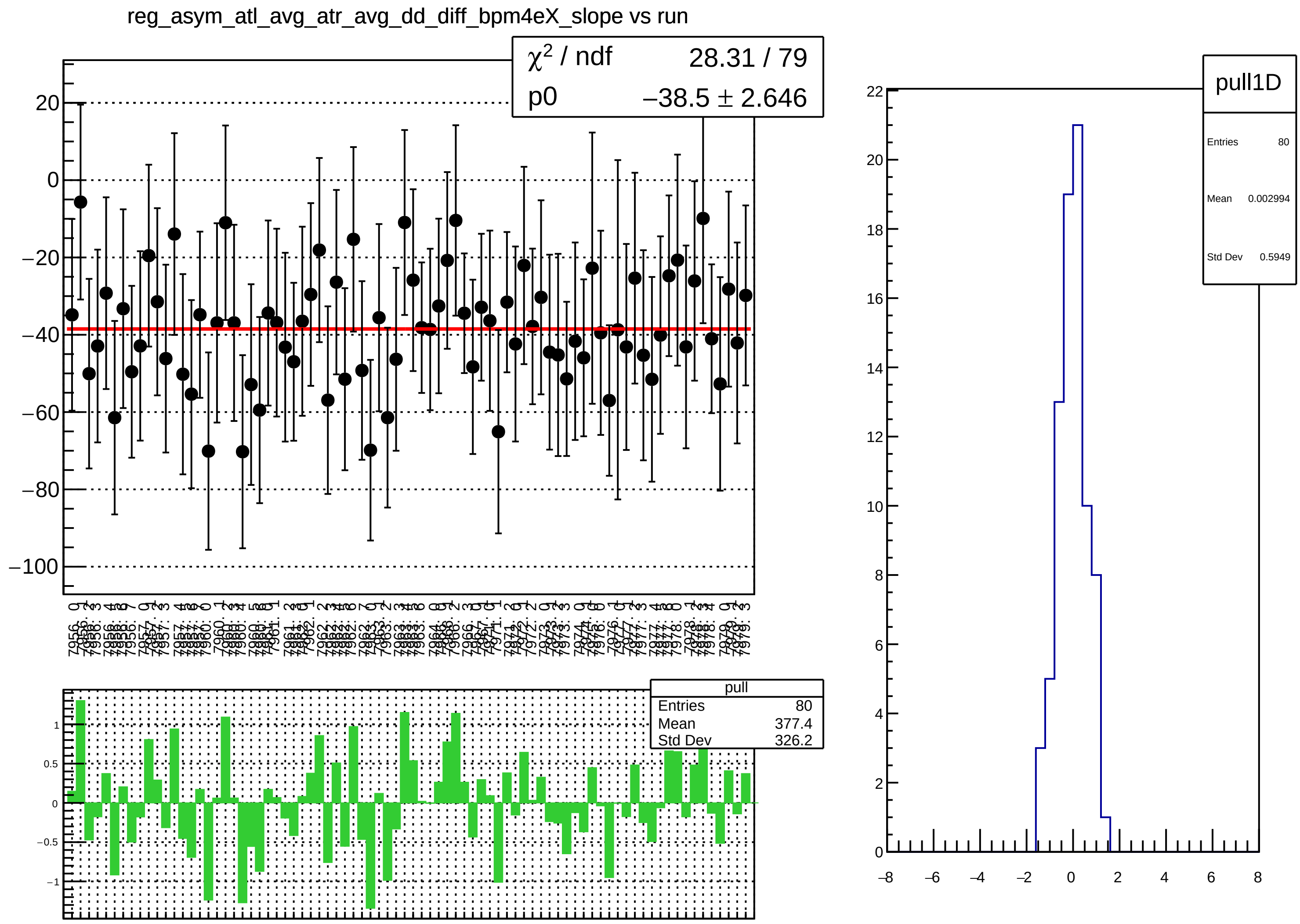
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ2 / ndf 4.795 / 79
p0 8.101 ± 10.89
pull
Entries 80
Mean −37.82
Std Dev 72.58
pull1D
Entries 80
Mean 0.007869
Std Dev 0.2447


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / 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

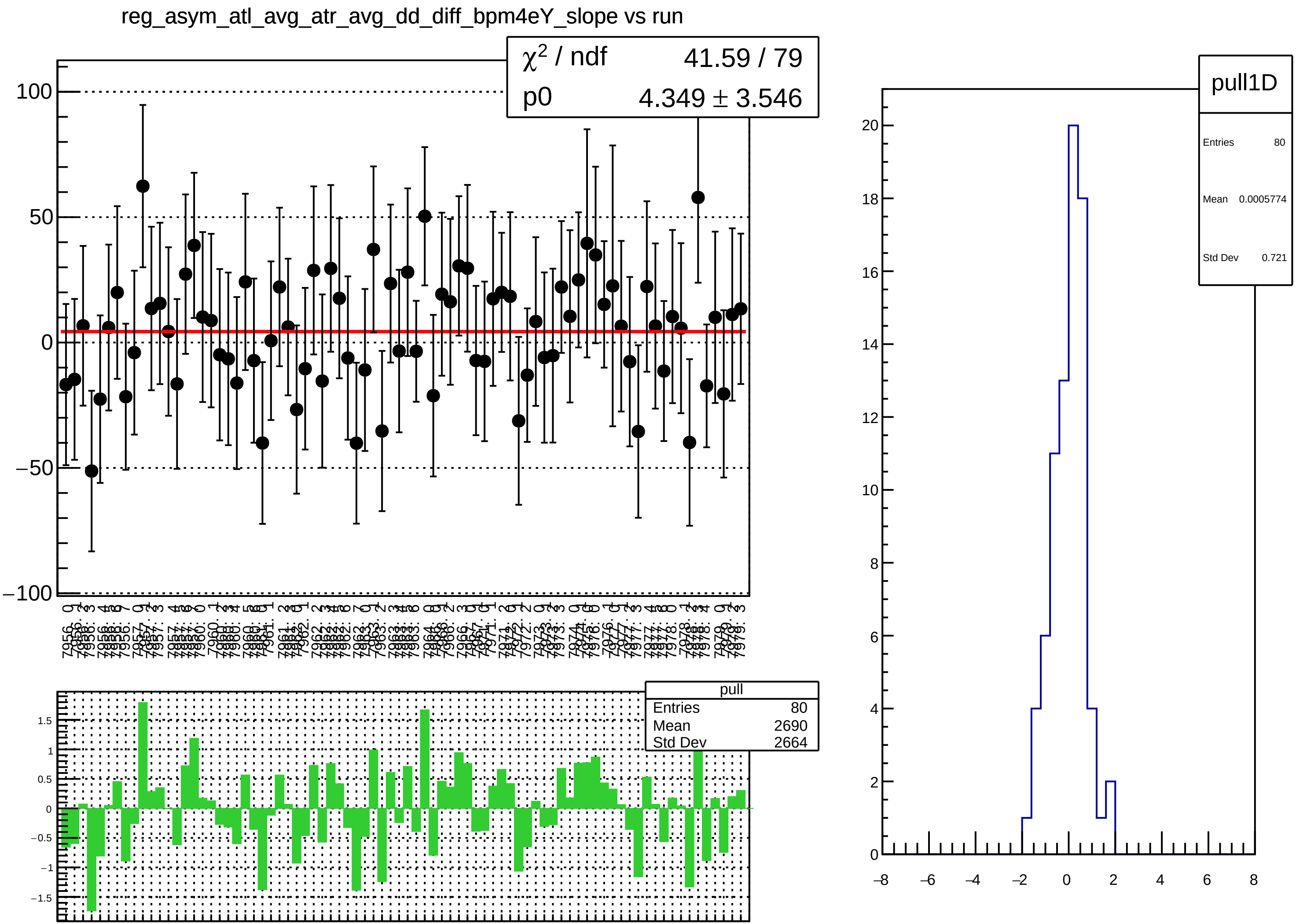

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.18 / 79
p0 17.79 ± 2.989
pull
Entries 80
Mean 407.7
Std Dev 361.6
pull1D
Entries 80
Mean −0.004078
Std Dev 0.5935



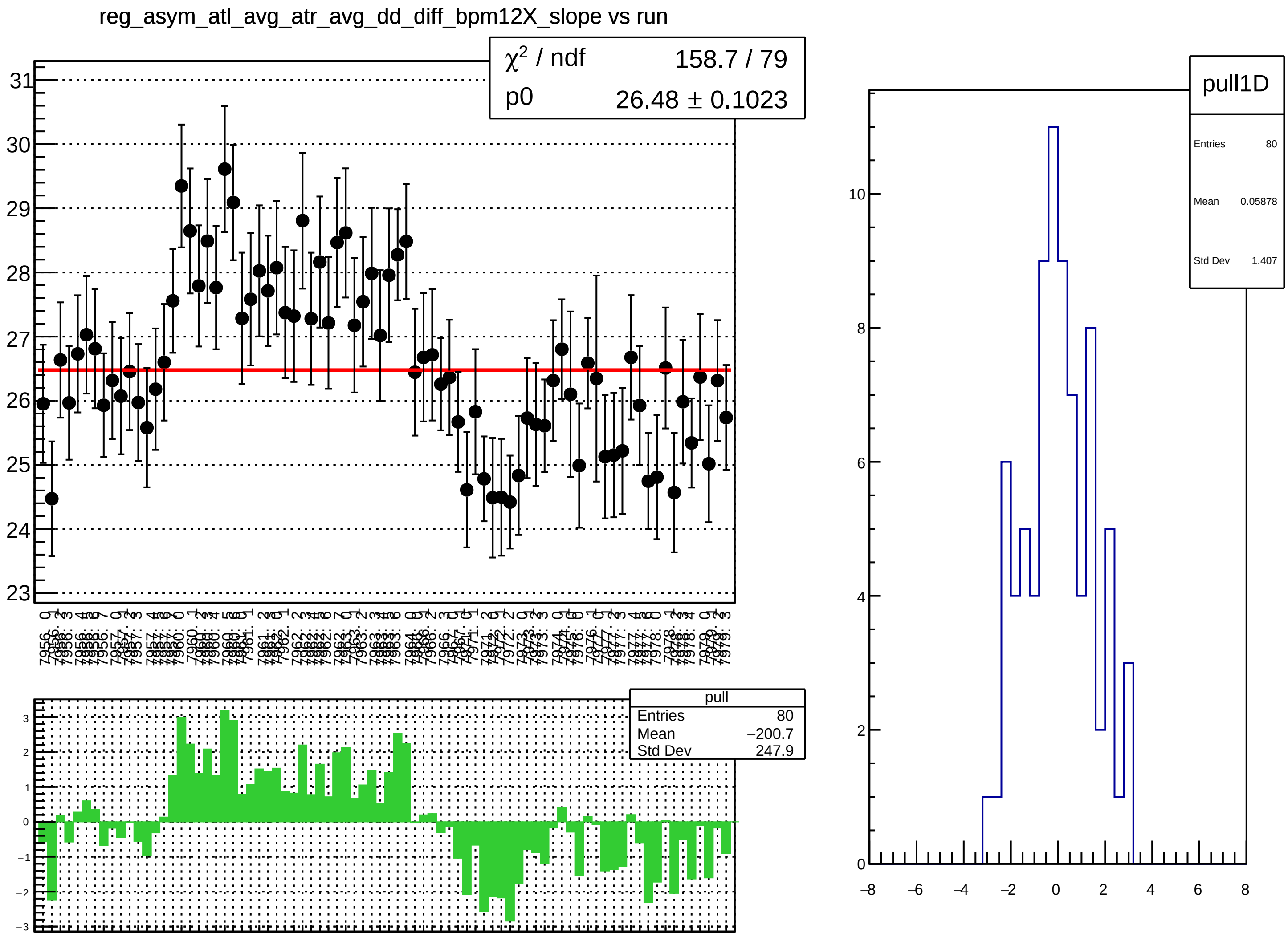
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 42.64 / 79
p0 −9.508 ± 3.096
pull
Entries 80
Mean 2150
Std Dev 2122
pull1D
Entries 80
Mean −0.000947
Std Dev 0.7301



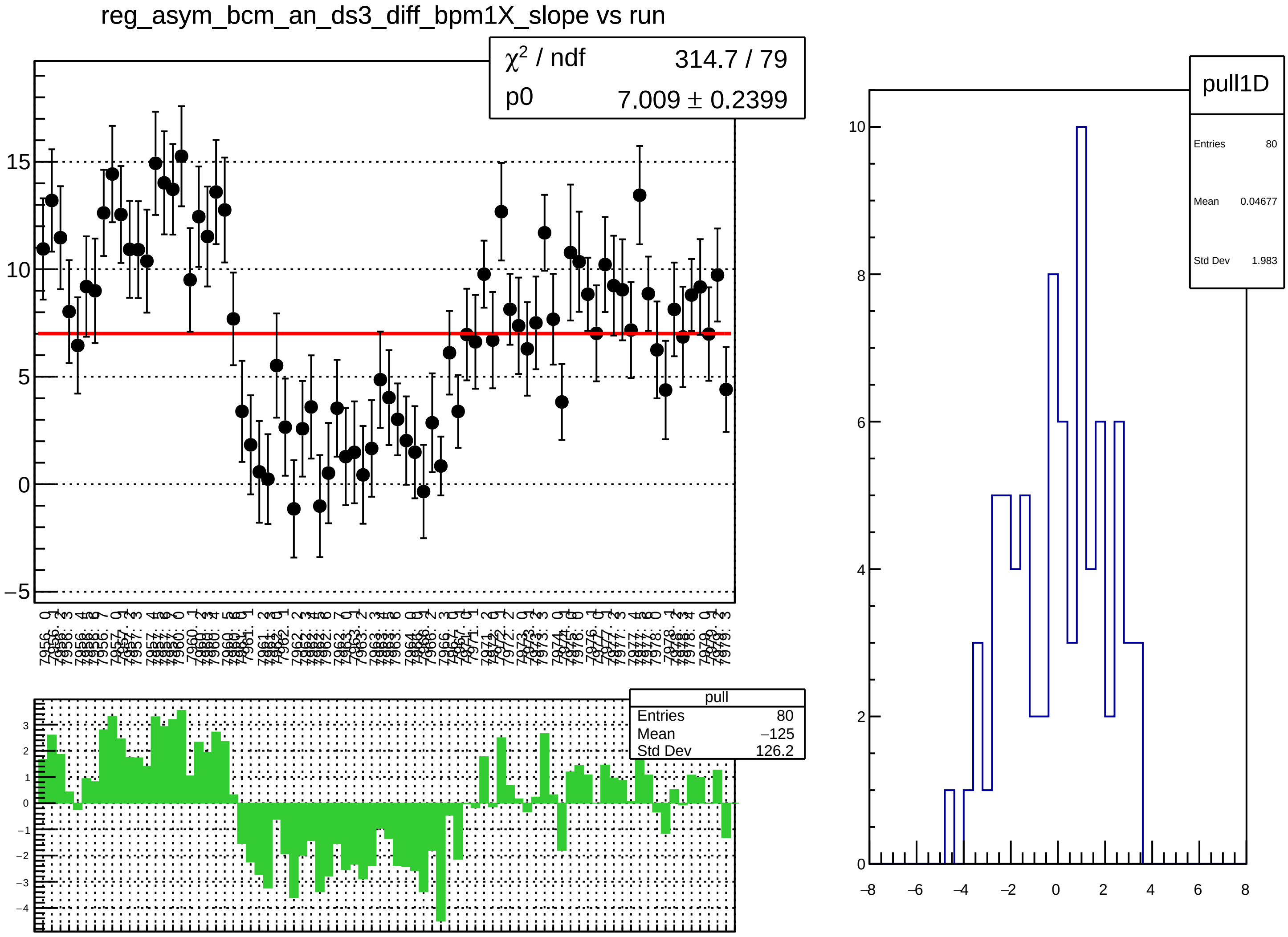
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.31 / 79
p0 −38.5 ± 2.646
pull
Entries 80
Mean 377.4
Std Dev 326.2
pull1D
Entries 80
Mean 0.002994
Std Dev 0.5949

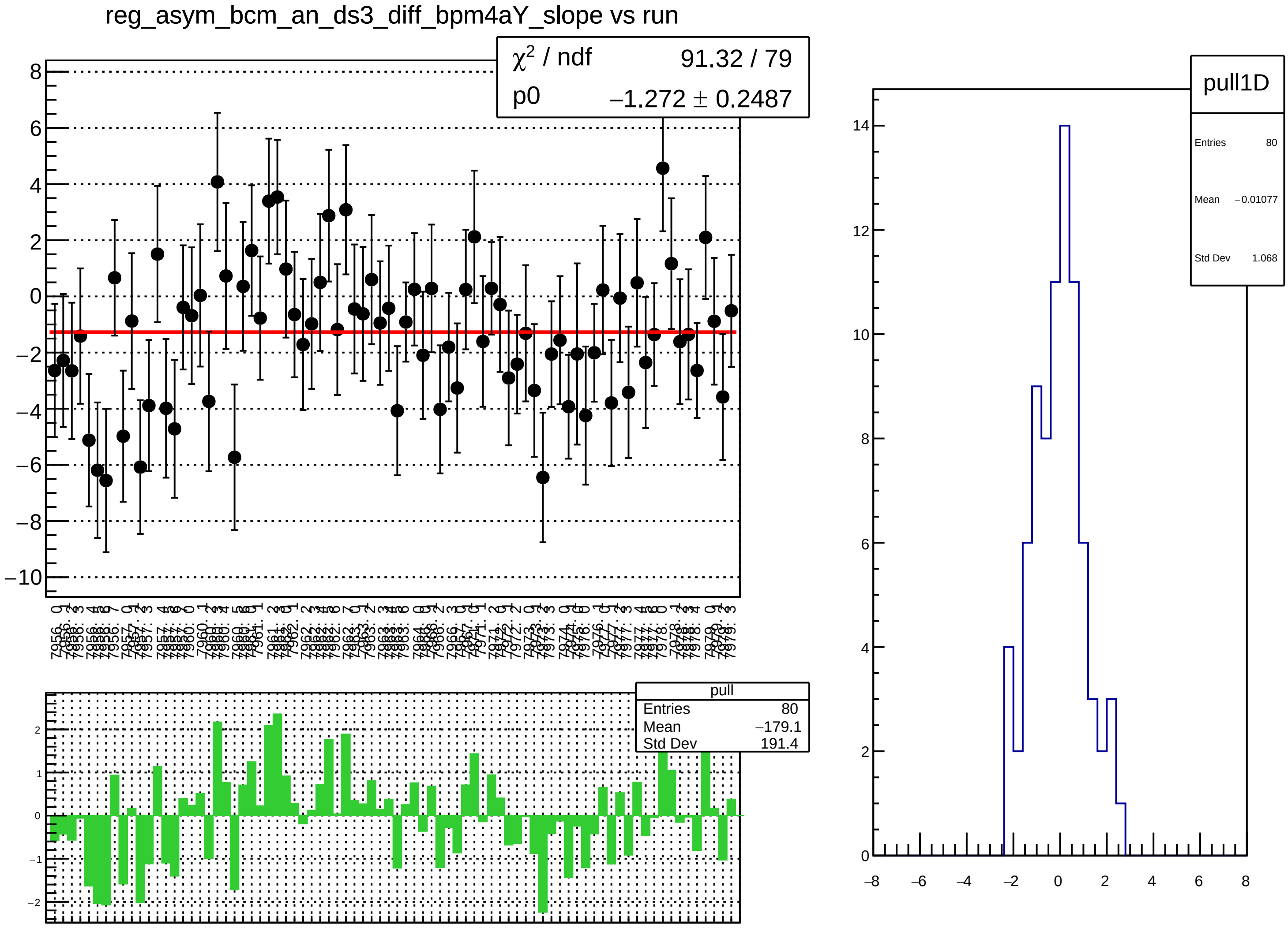


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.59 / 79
p0 4.349 ± 3.546
pull
Entries 80
Mean 2690
Std Dev 2664
pull1D
Entries 80
Mean 0.0005774
Std Dev 0.721

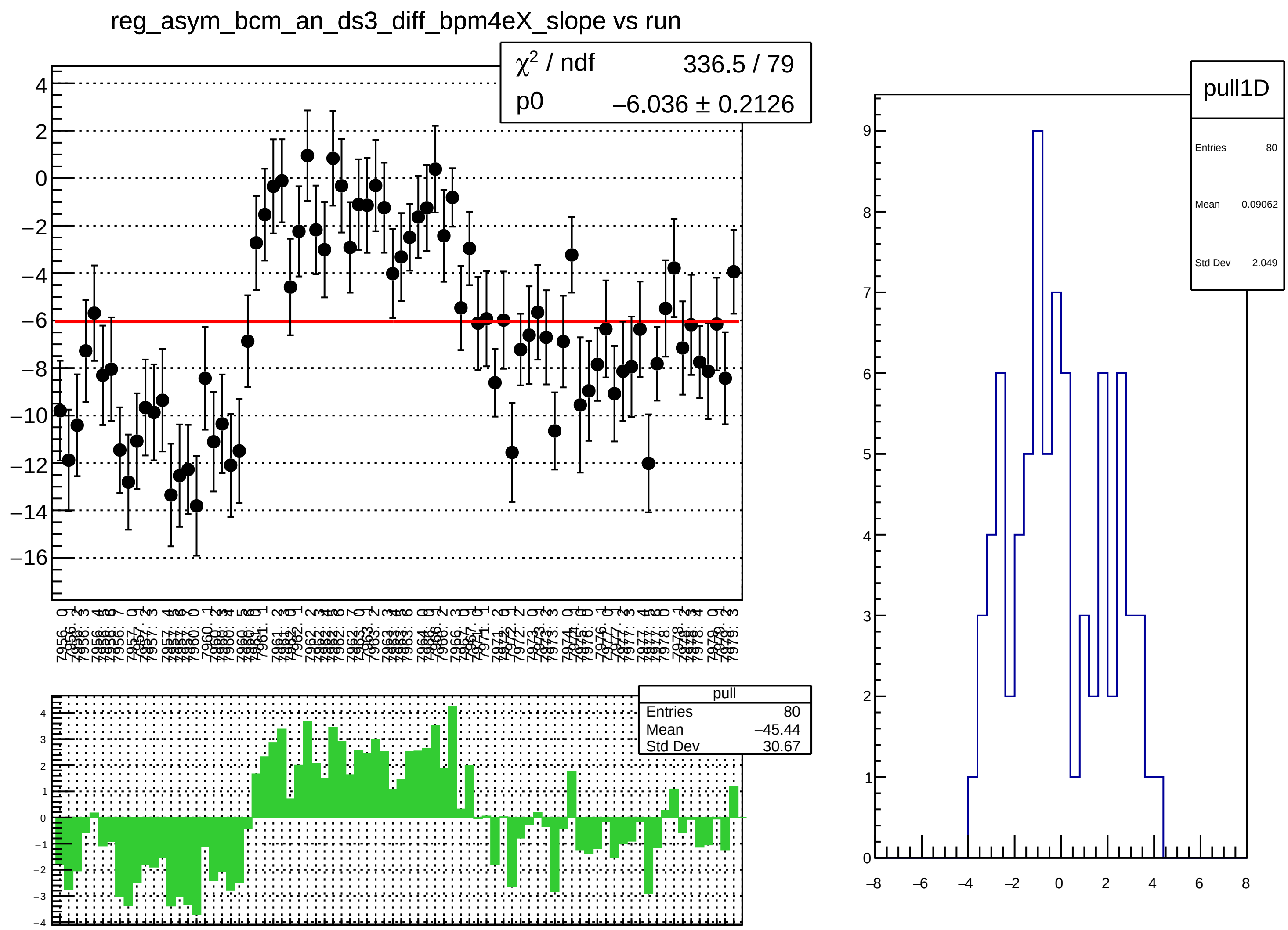


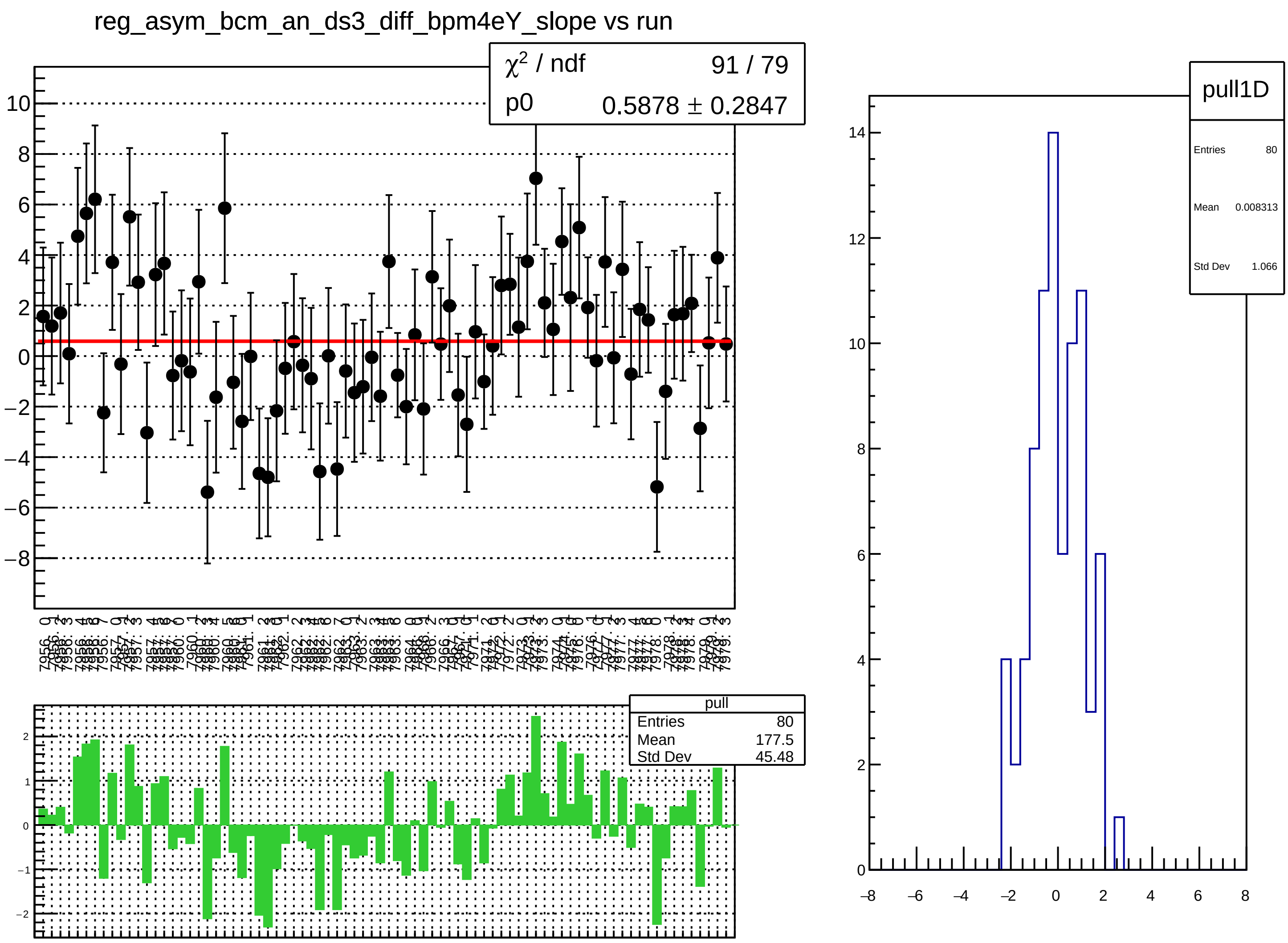
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 158.7 / 79
p0 26.48 ± 0.1023
pull
Entries 80
Mean −200.7
Std Dev 247.9
pull1D
Entries 80
Mean 0.05878
Std Dev 1.407


reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ2 / ndf 314.7 / 79
p0 7.009 ± 0.2399
pull
Entries 80
Mean −125
Std Dev 126.2
pull1D
Entries 80
Mean 0.04677
Std Dev 1.983

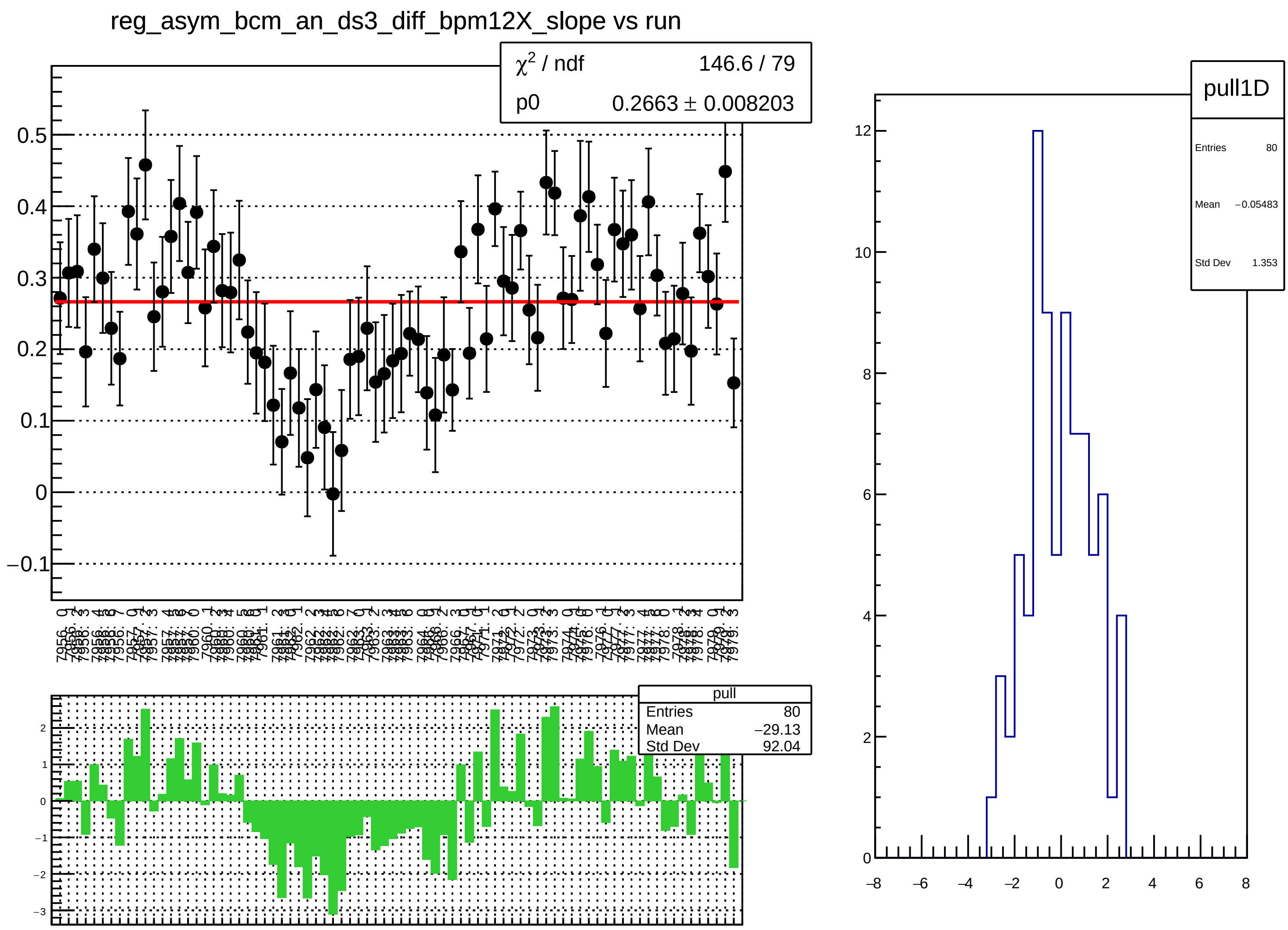


reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 91.32 / 79
p0 −1.272 ± 0.2487
pull
Entries 80
Mean −179.1
Std Dev 191.4
pull1D
Entries 80
Mean −0.01077
Std Dev 1.068

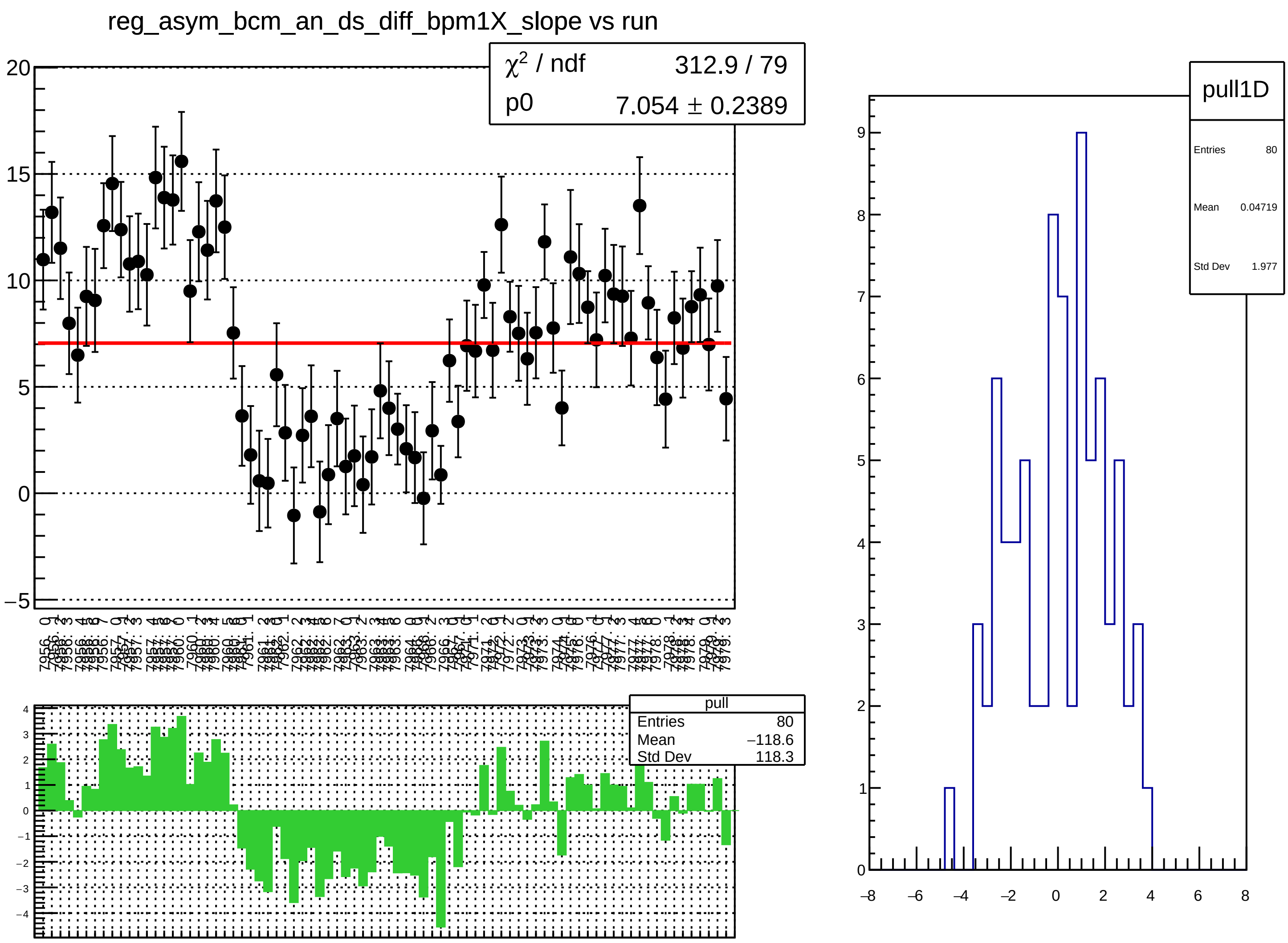

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 336.5 / 79
p0 −6.036 ± 0.2126
pull
Entries 80
Mean −45.44
Std Dev 30.67
pull1D
Entries 80
Mean −0.09062
Std Dev 2.049



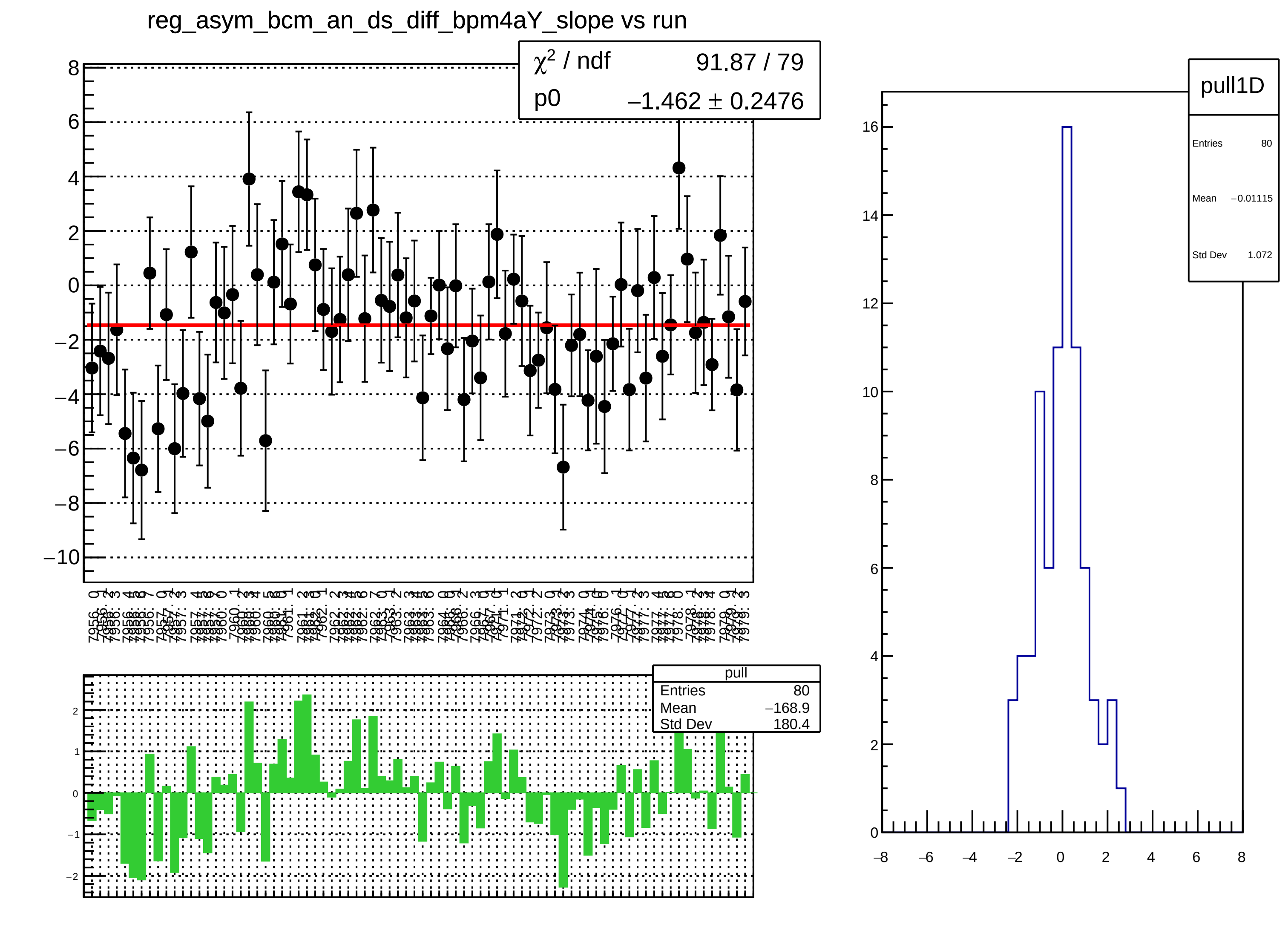
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 91 / 79
p0 0.5878 ± 0.2847
pull
Entries 80
Mean 177.5
Std Dev 45.48
pull1D
Entries 80
Mean 0.008313
Std Dev 1.066

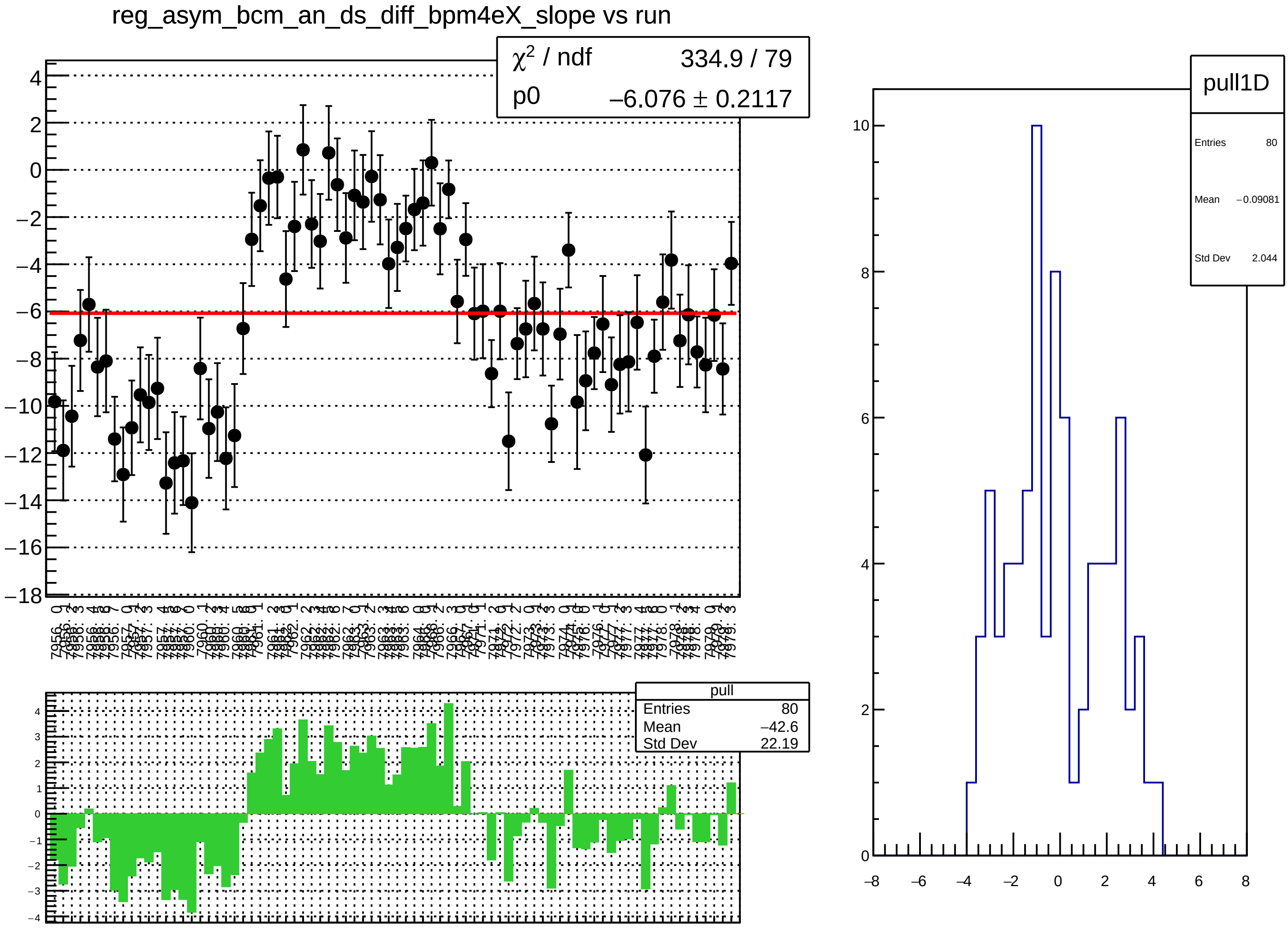


reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 146.6 / 79
p0 0.2663 ± 0.008203
pull
Entries 80
Mean −29.13
Std Dev 92.04
pull1D
Entries 80
Mean −0.05483
Std Dev 1.353

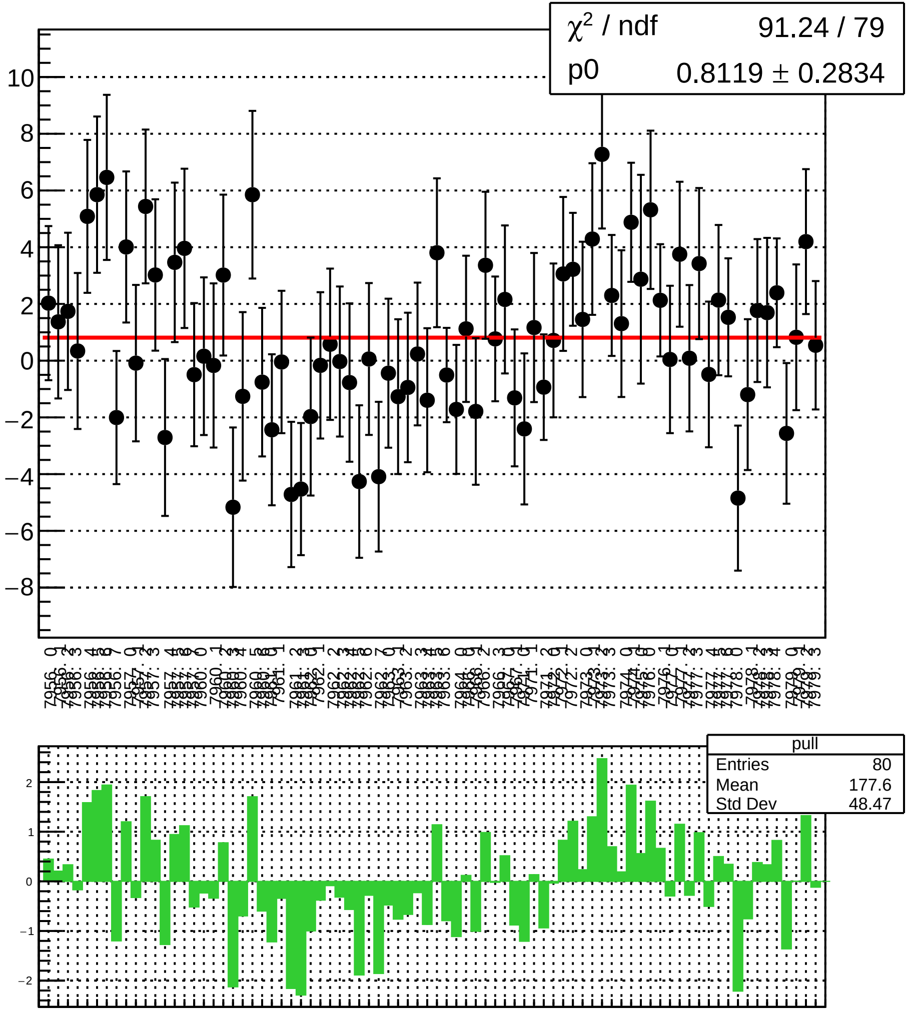


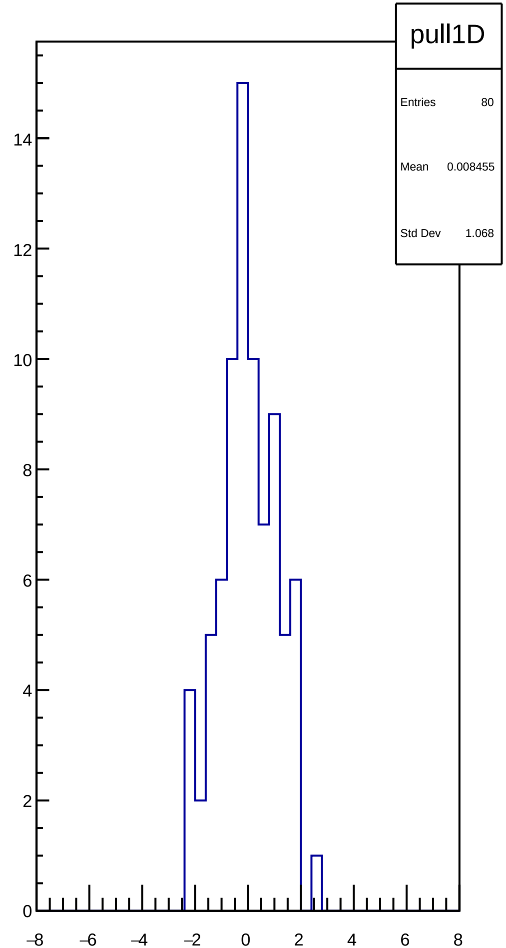
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ2 / ndf 312.9 / 79
p0 7.054 ± 0.2389
pull
Entries 80
Mean −118.6
Std Dev 118.3
pull1D
Entries 80
Mean 0.04719
Std Dev 1.977

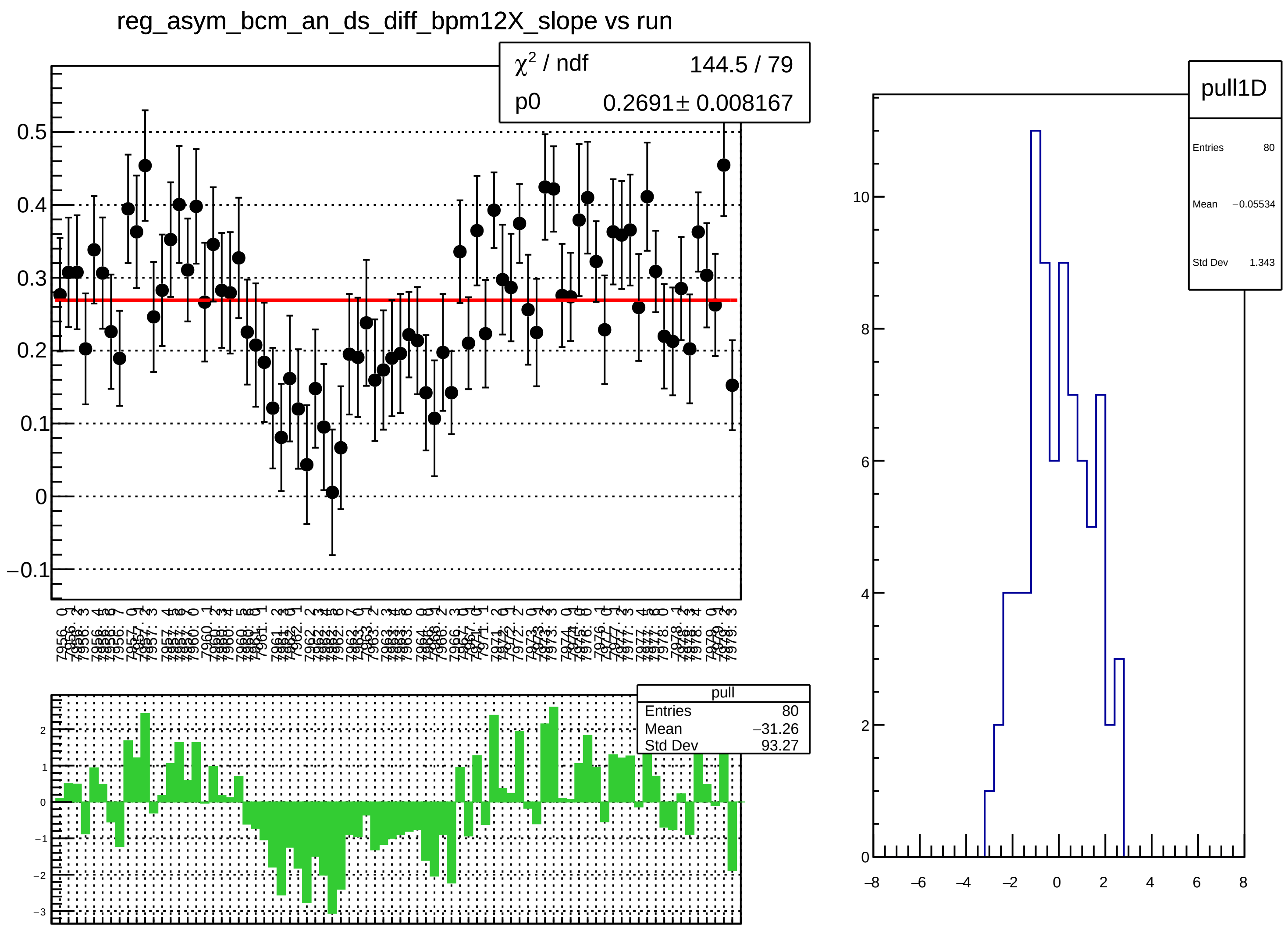

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 91.87 / 79
p0 −1.462 ± 0.2476
pull
Entries 80
Mean −168.9
Std Dev 180.4
pull1D
Entries 80
Mean −0.01115
Std Dev 1.072


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

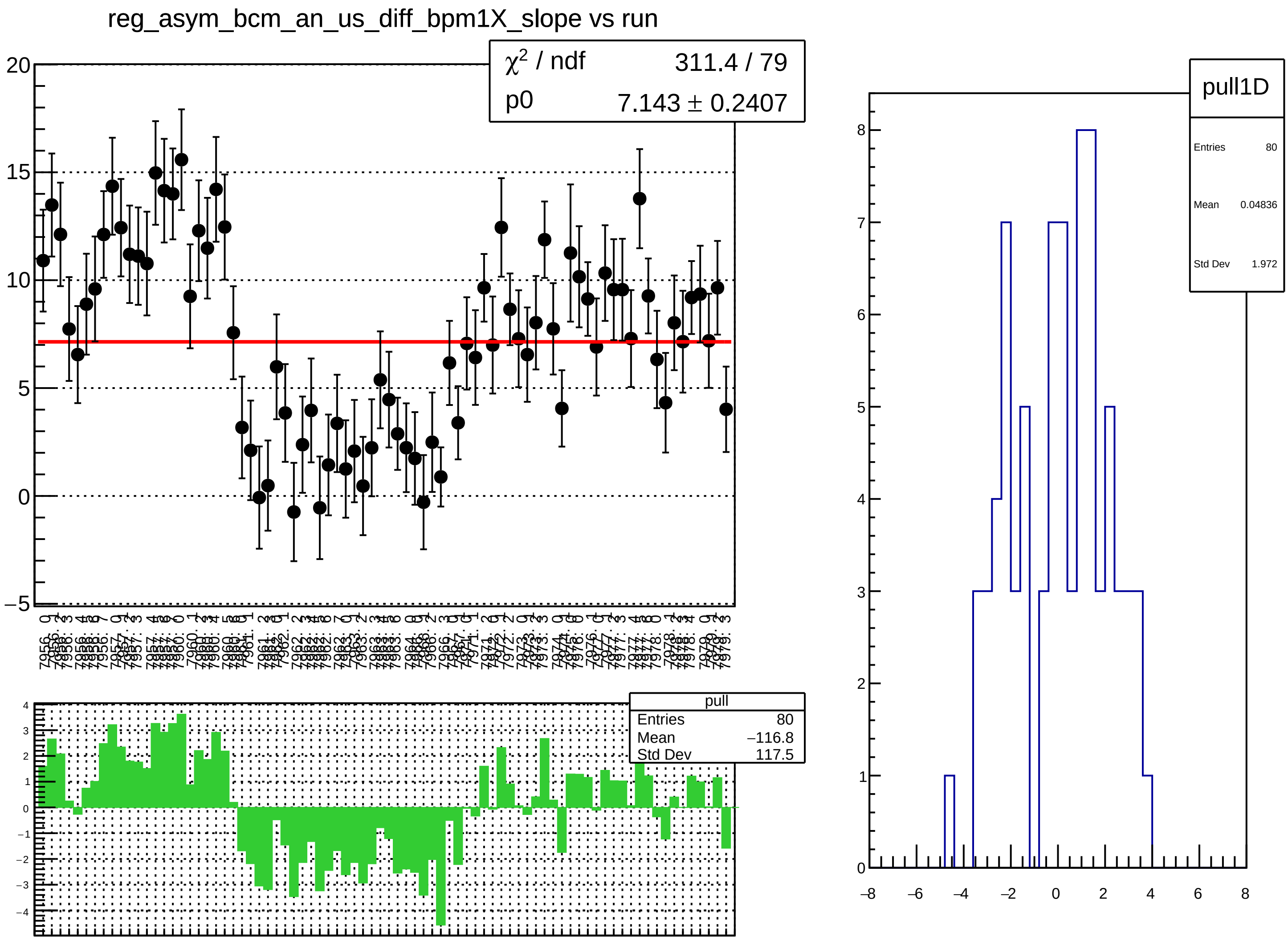
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run





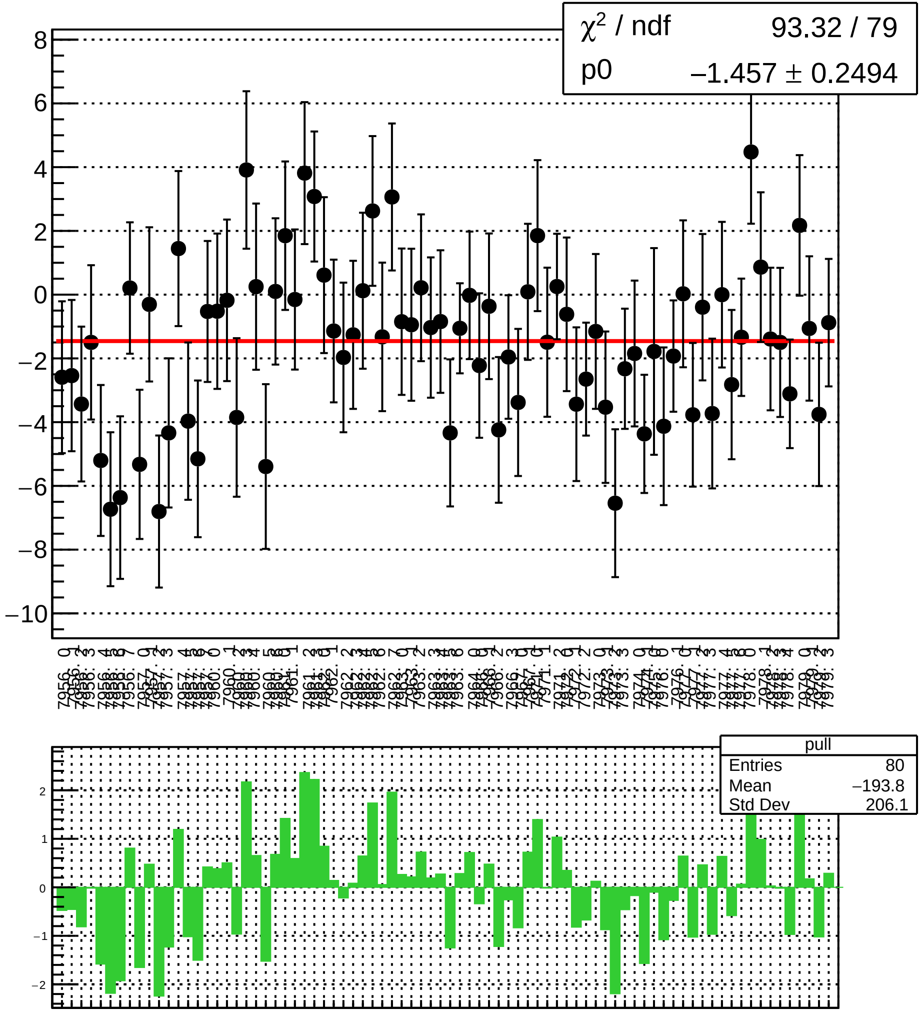


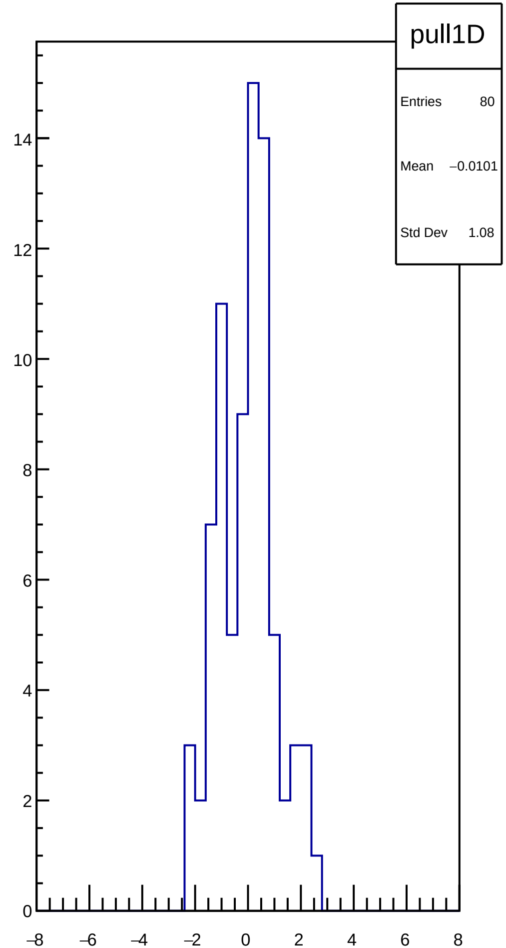
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 144.5 / 79
p0 0.2691 ± 0.008167
pull
Entries 80
Mean −31.26
Std Dev 93.27
pull1D
Entries 80
Mean −0.05534
Std Dev 1.343

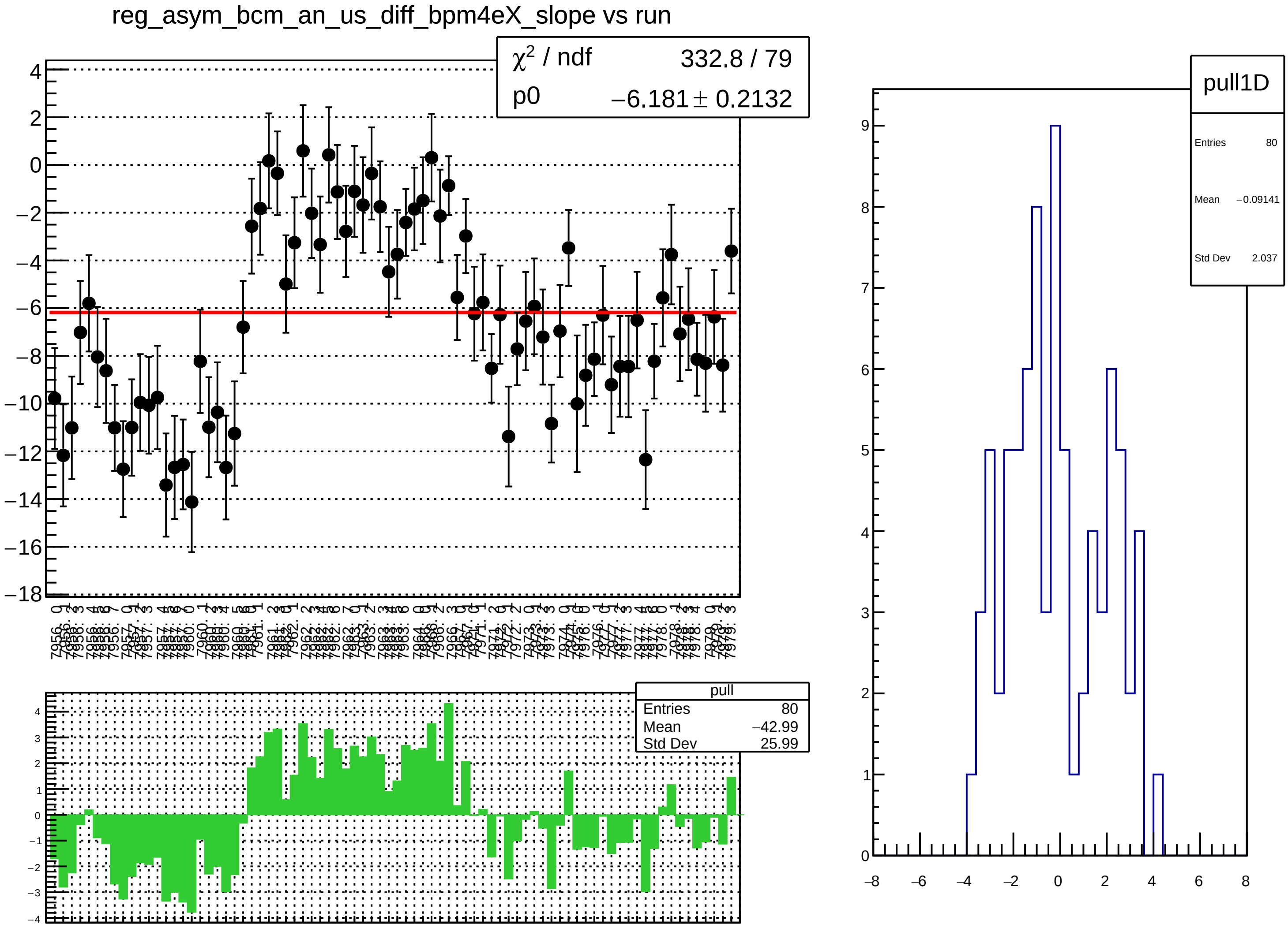


reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 311.4 / 79
p0 7.143 ± 0.2407
pull
Entries 80
Mean −116.8
Std Dev 117.5
pull1D
Entries 80
Mean 0.04836
Std Dev 1.972

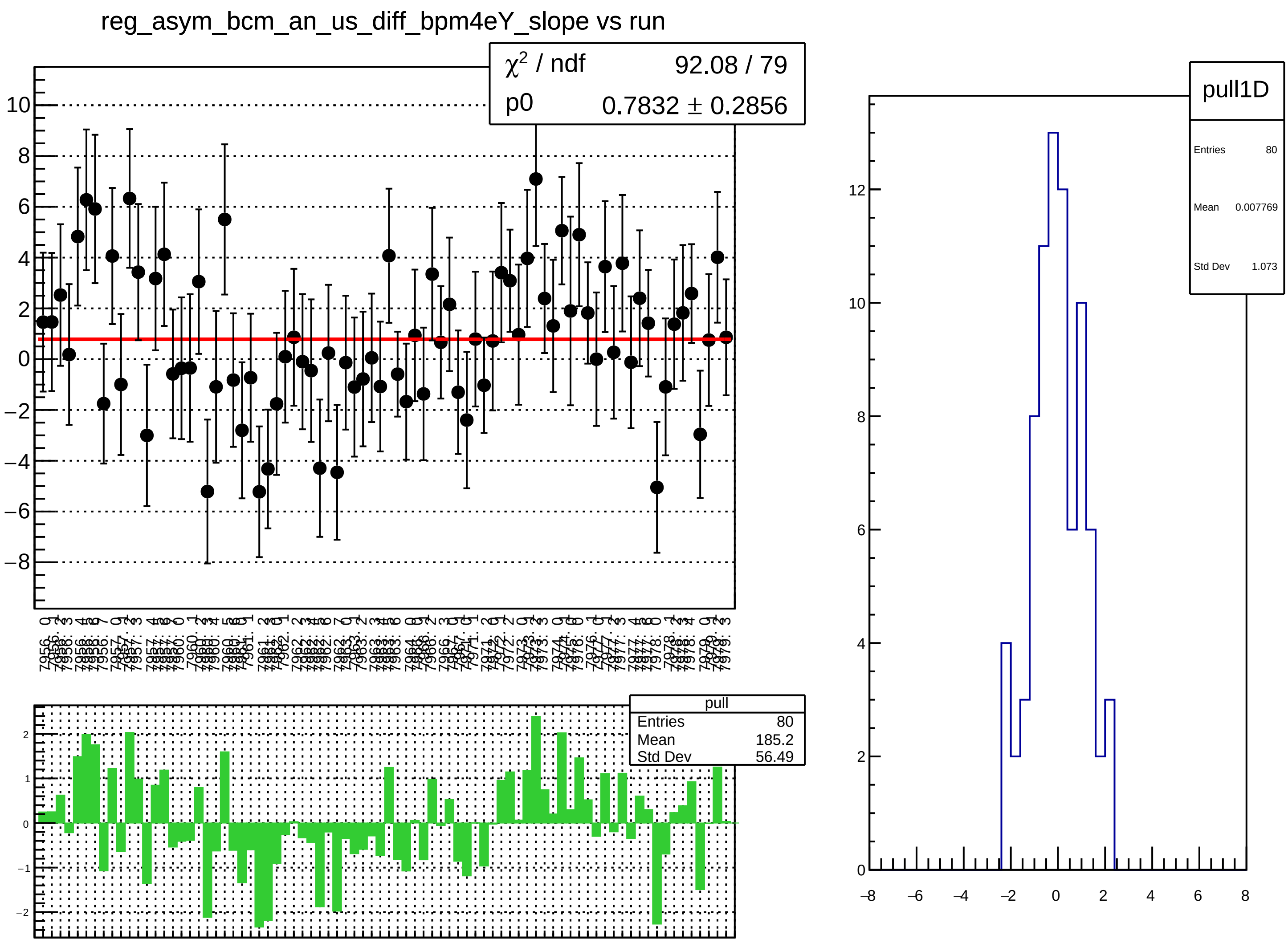
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run



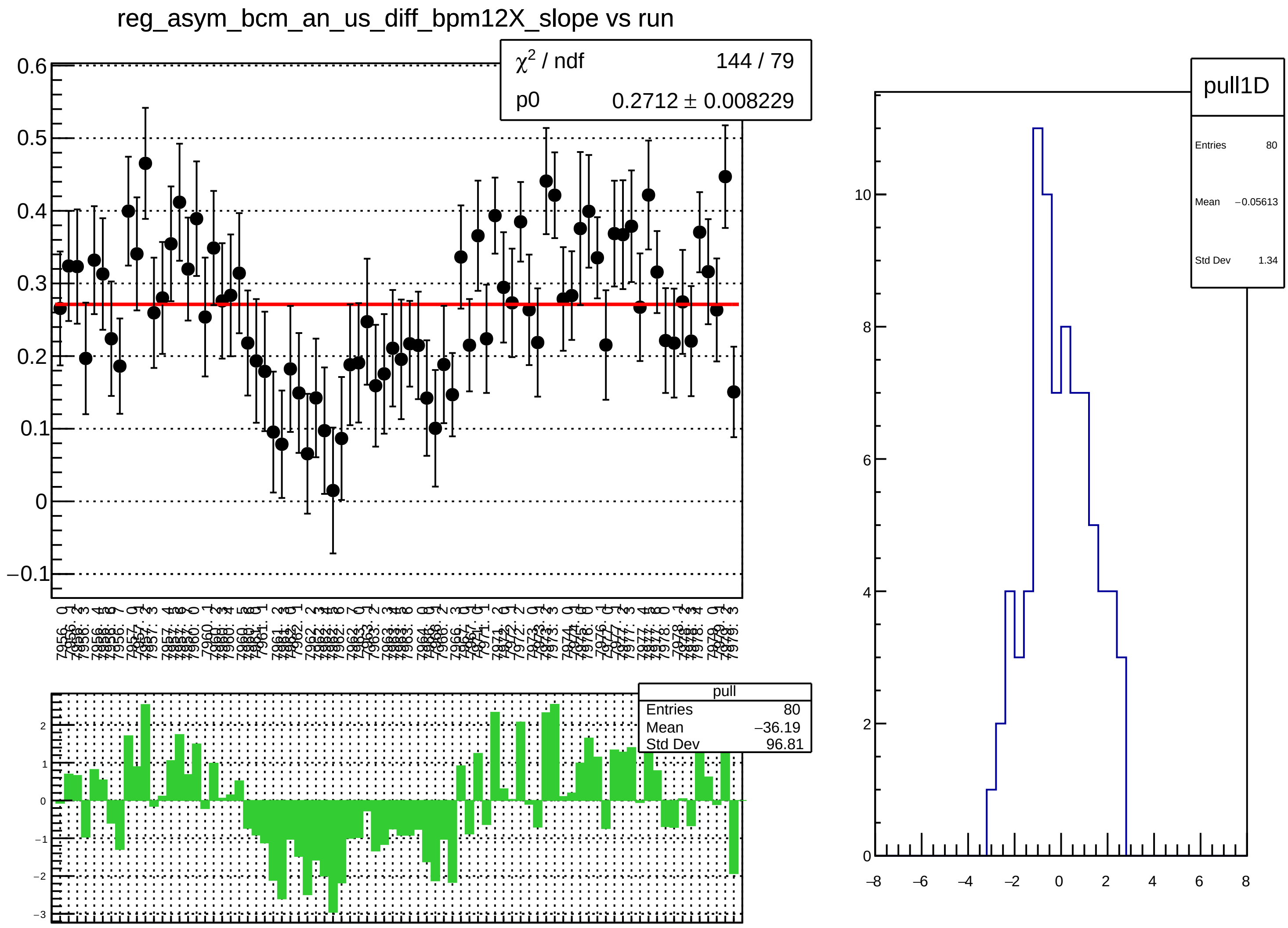




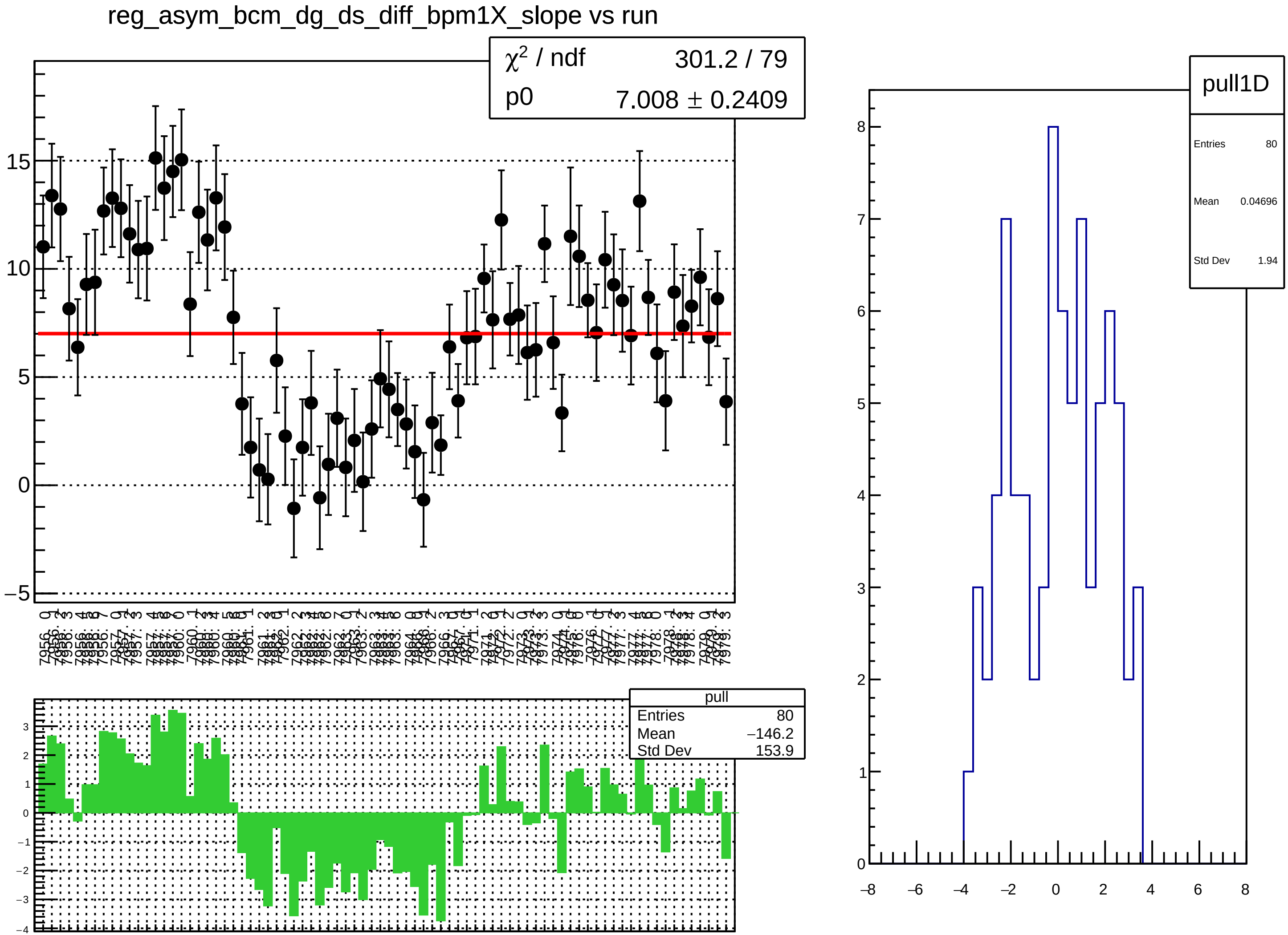
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 332.8 / 79
p0 −6.181 ± 0.2132
pull
Entries 80
Mean −42.99
Std Dev 25.99
pull1D
Entries 80
Mean −0.09141
Std Dev 2.037



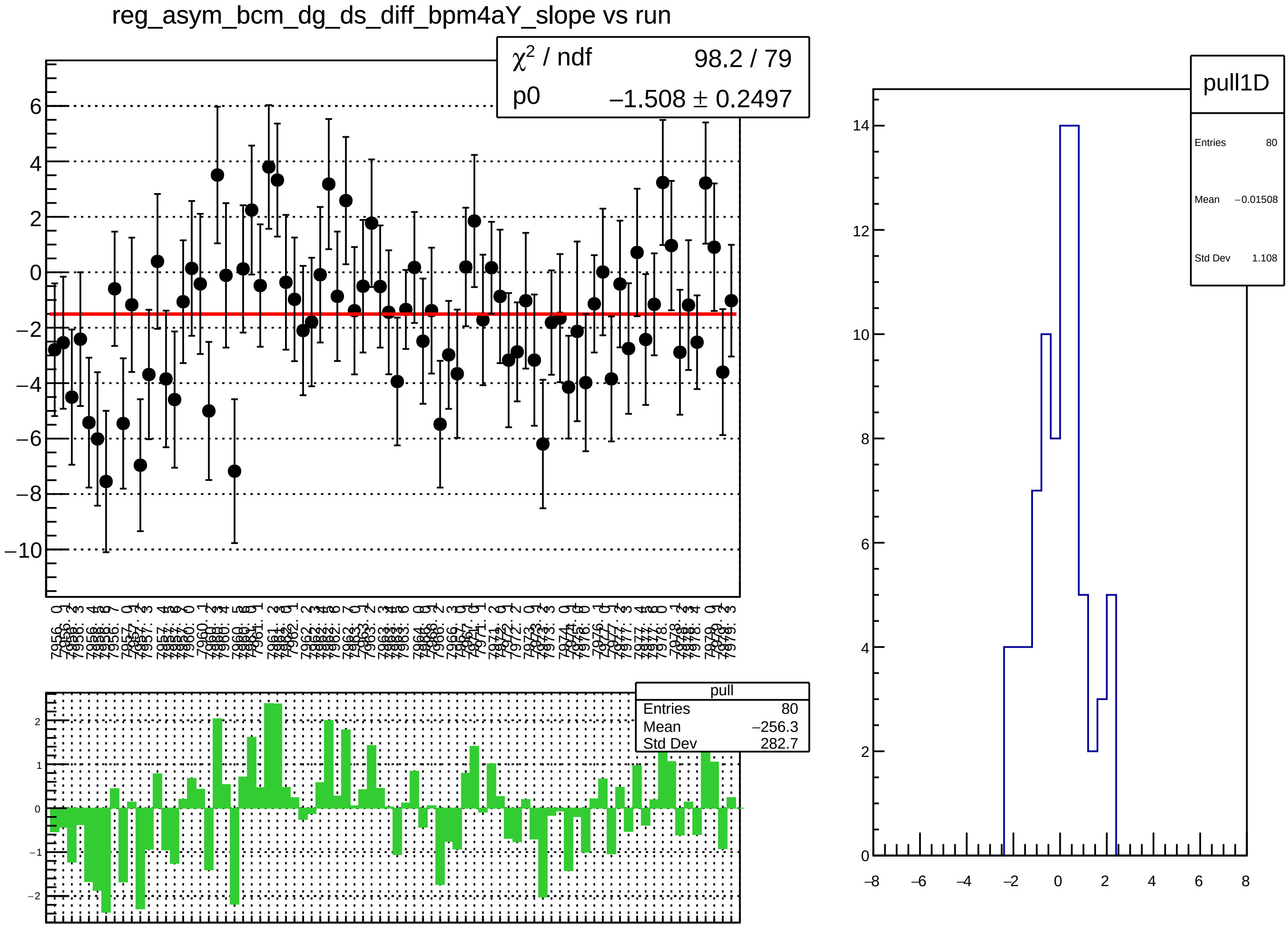
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 92.08 / 79
p0 0.7832 ± 0.2856
pull
Entries 80
Mean 185.2
Std Dev 56.49
pull1D
Entries 80
Mean 0.007769
Std Dev 1.073



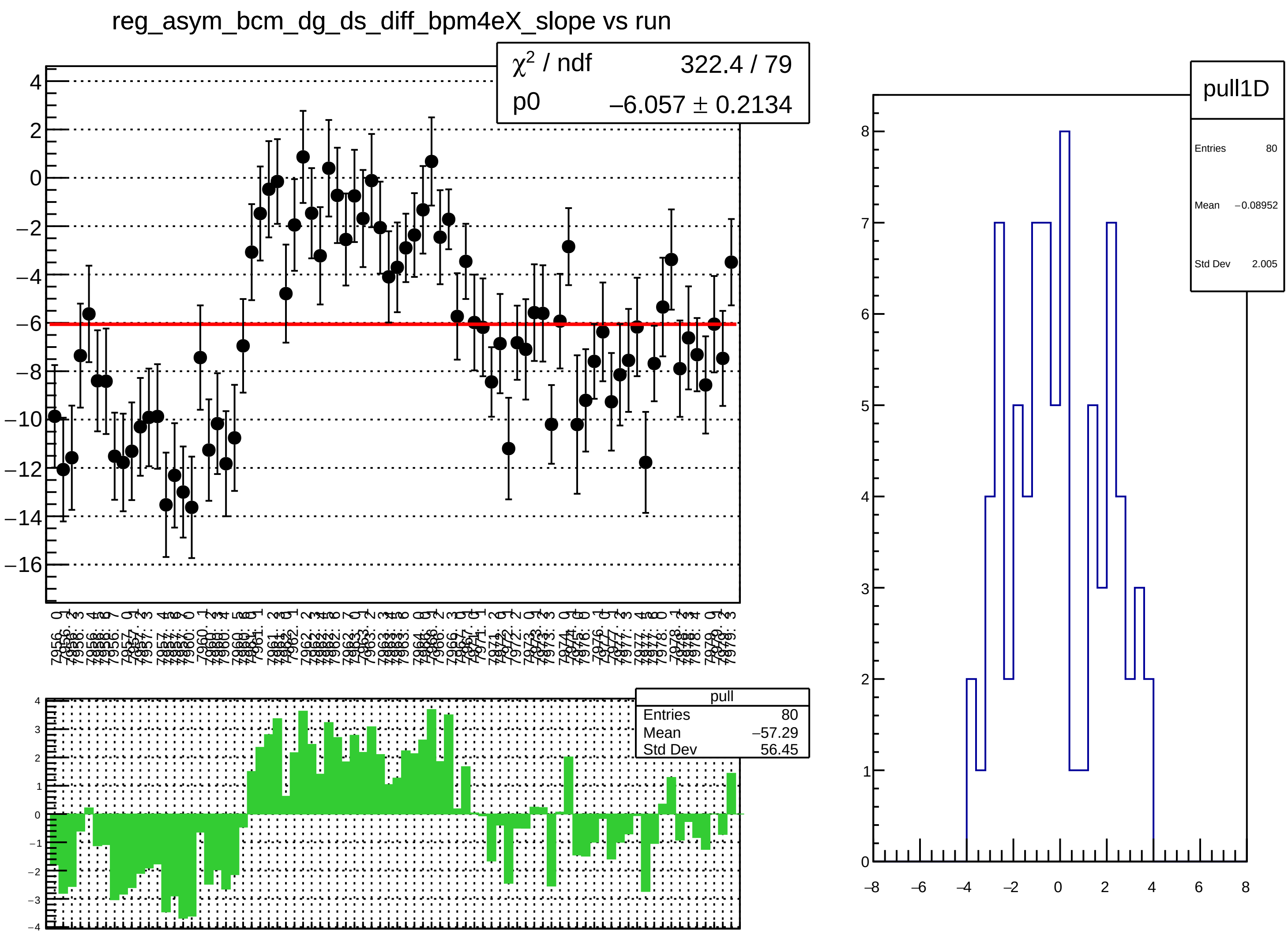
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 144 / 79
p0 0.2712 ± 0.008229
pull
Entries 80
Mean −36.19
Std Dev 96.81
pull1D
Entries 80
Mean −0.05613
Std Dev 1.34



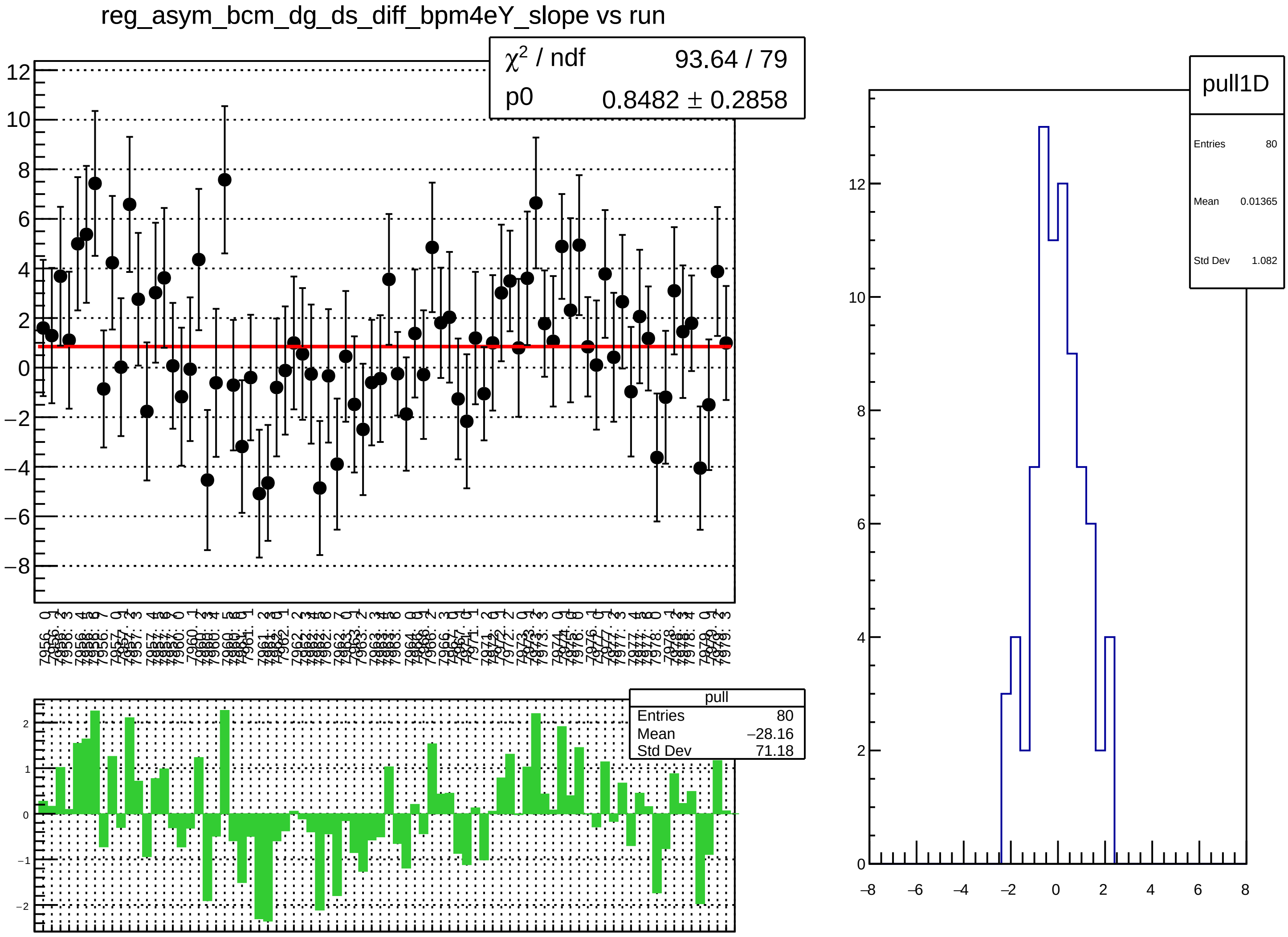
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ2 / ndf 301.2 / 79
p0 7.008 ± 0.2409
pull
Entries 80
Mean −146.2
Std Dev 153.9
pull1D
Entries 80
Mean 0.04696
Std Dev 1.94



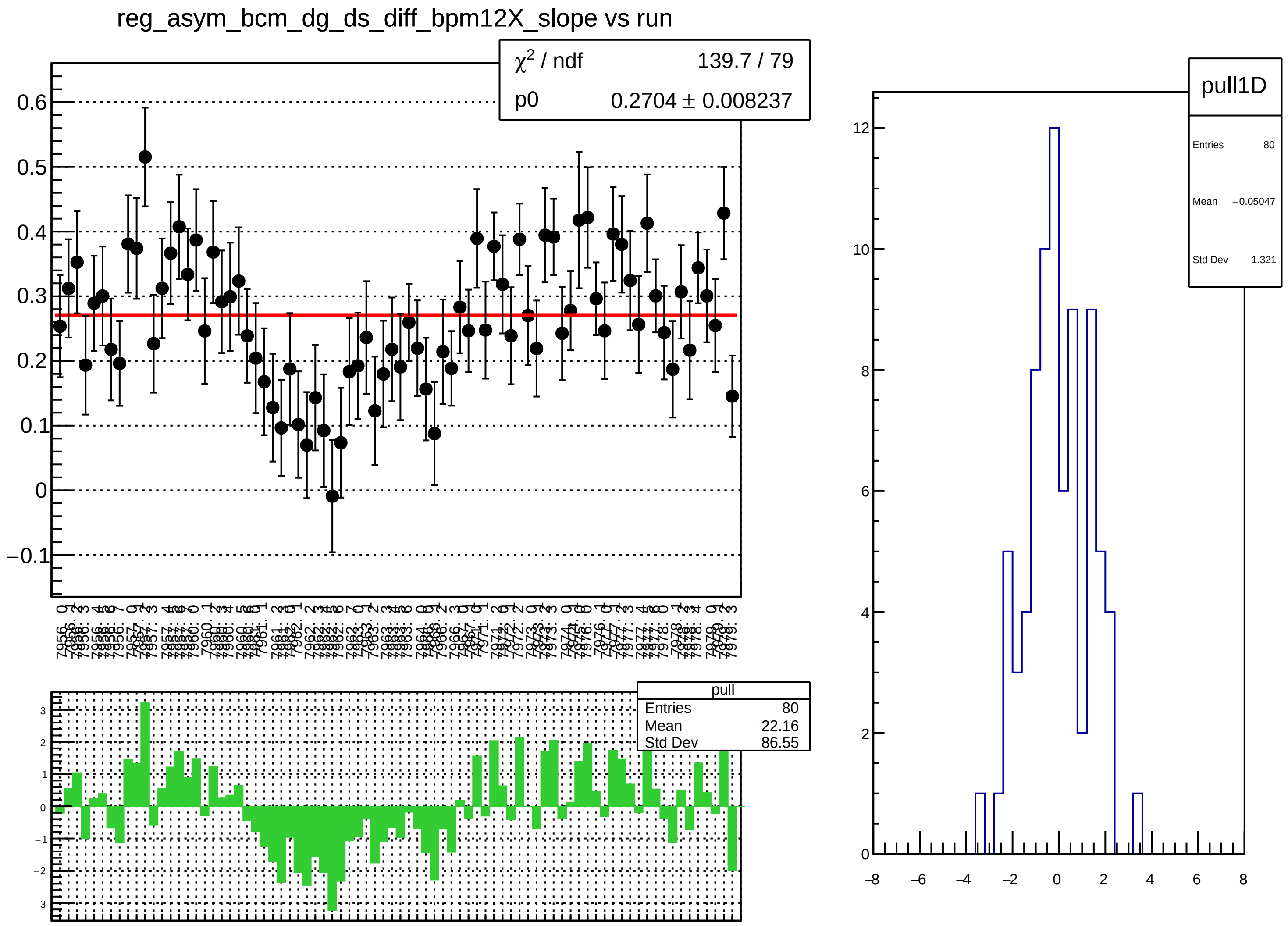
reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 98.2 / 79
p0 −1.508 ± 0.2497
pull
Entries 80
Mean −256.3
Std Dev 282.7
pull1D
Entries 80
Mean −0.01508
Std Dev 1.108



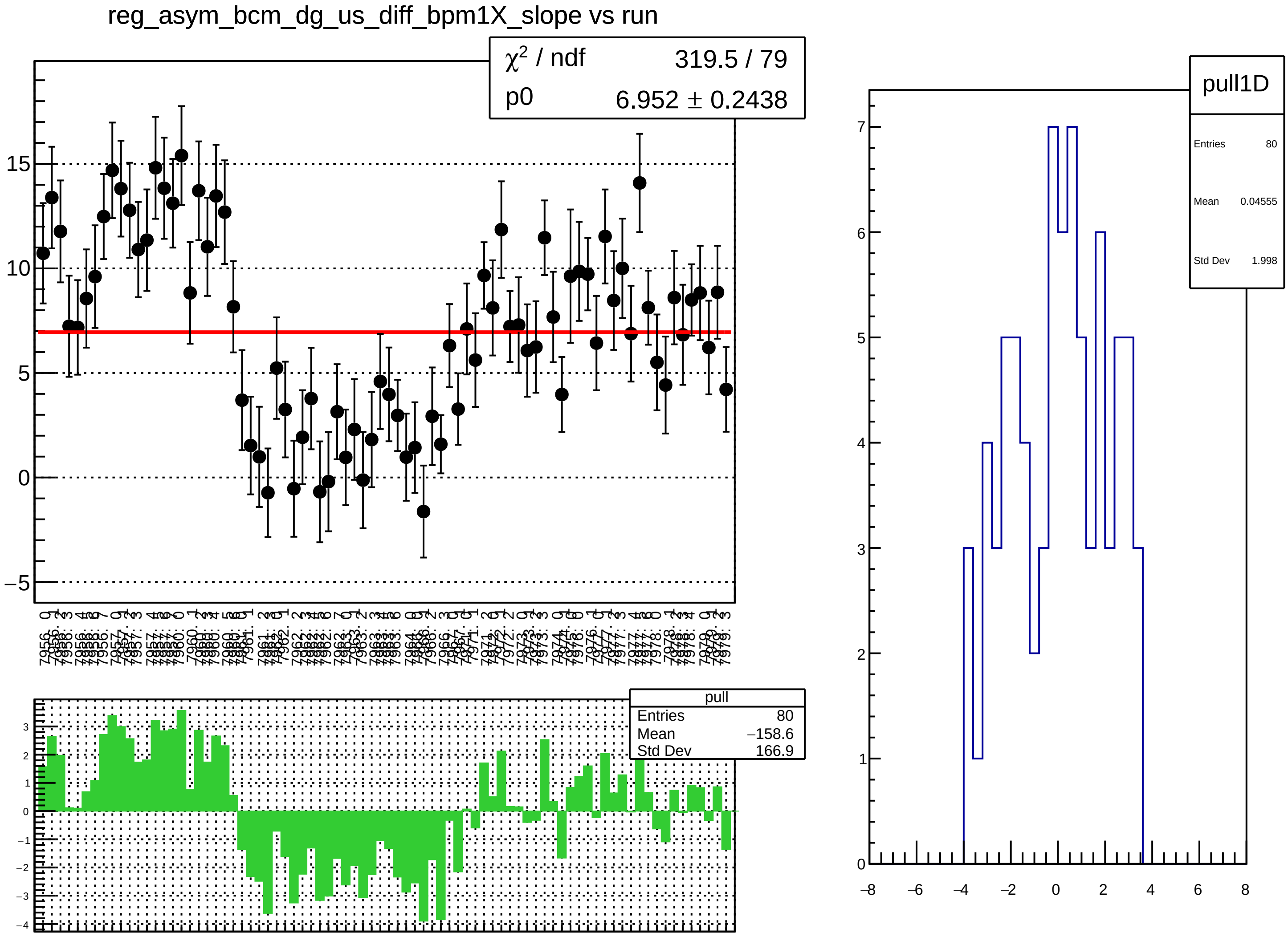
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ2 / ndf 322.4 / 79
p0 −6.057 ± 0.2134
pull
Entries 80
Mean −57.29
Std Dev 56.45
pull1D
Entries 80
Mean −0.08952
Std Dev 2.005



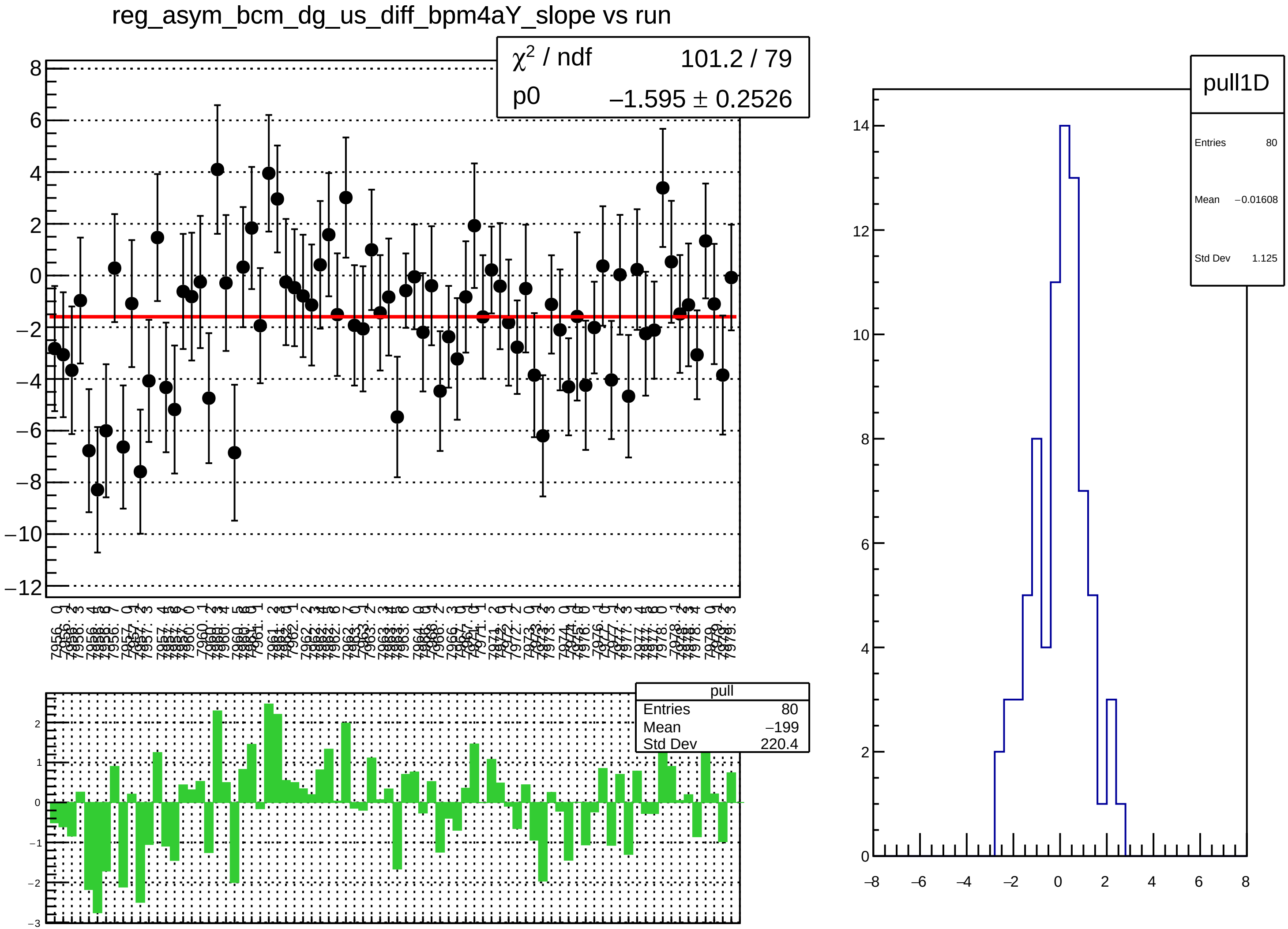
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 93.64 / 79
p0 0.8482 ± 0.2858
pull
Entries 80
Mean −28.16
Std Dev 71.18
pull1D
Entries 80
Mean 0.01365
Std Dev 1.082

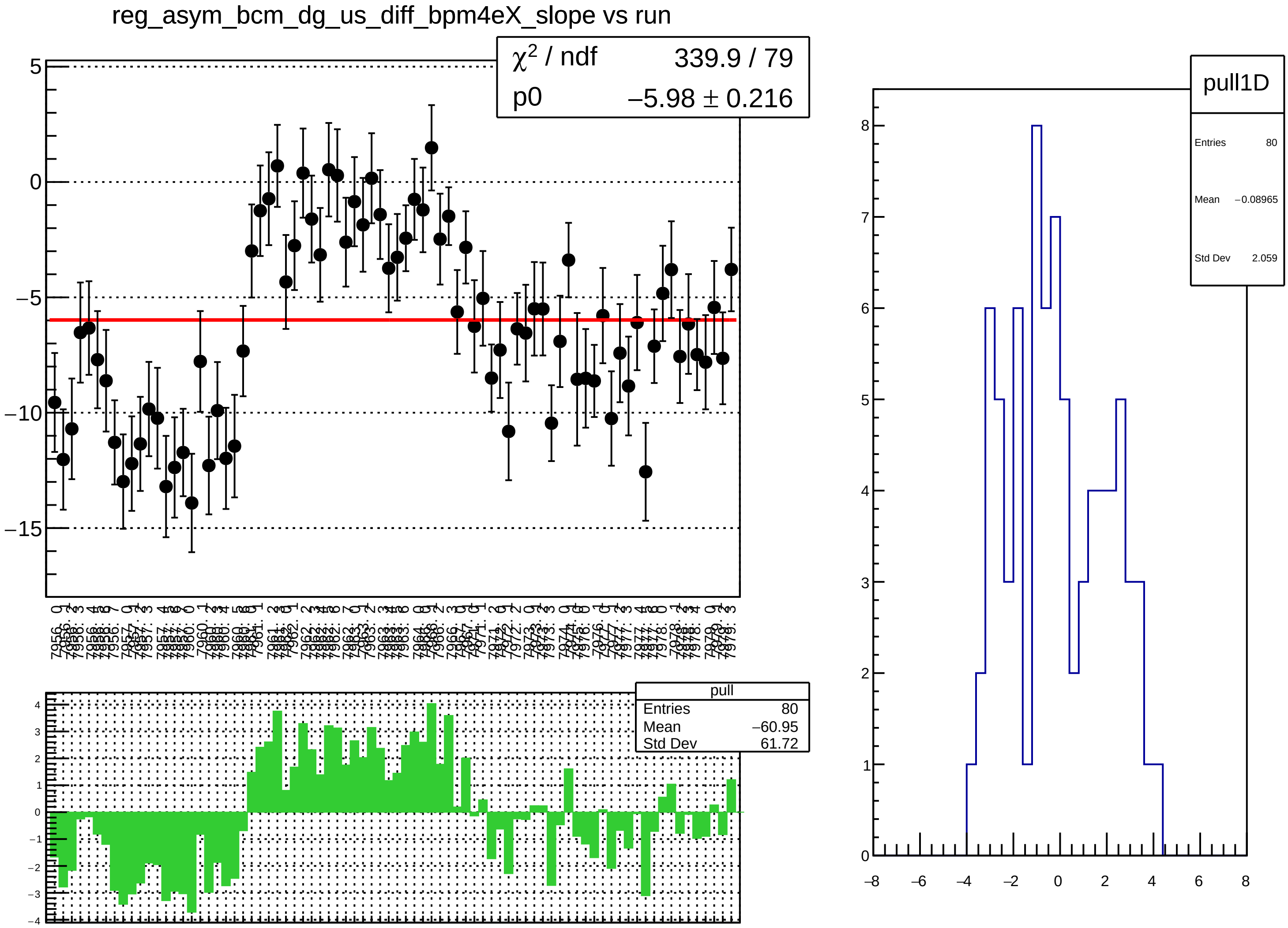


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 139.7 / 79
p0 0.2704 ± 0.008237
pull
Entries 80
Mean −22.16
Std Dev 86.55
pull1D
Entries 80
Mean −0.05047
Std Dev 1.321

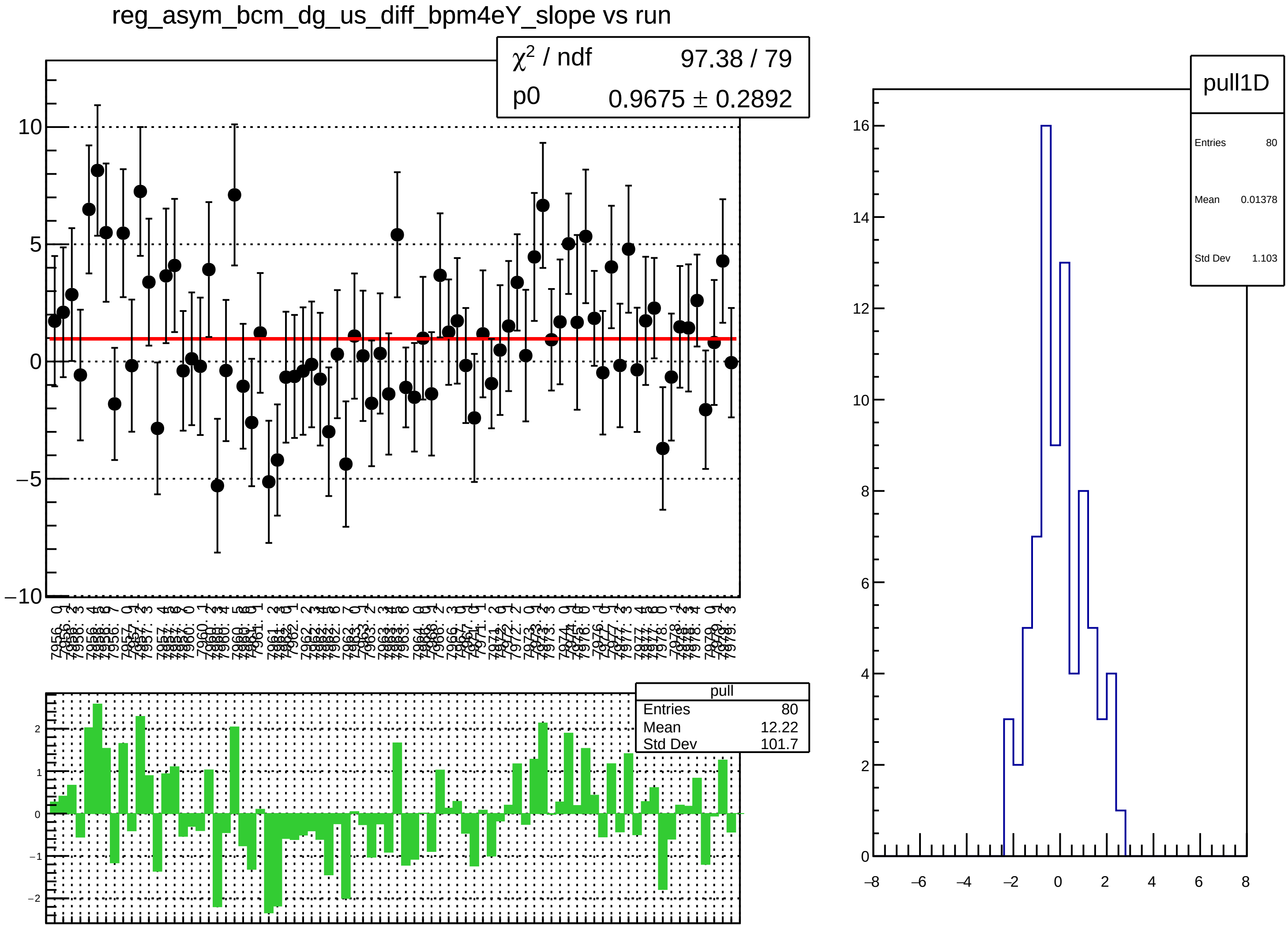


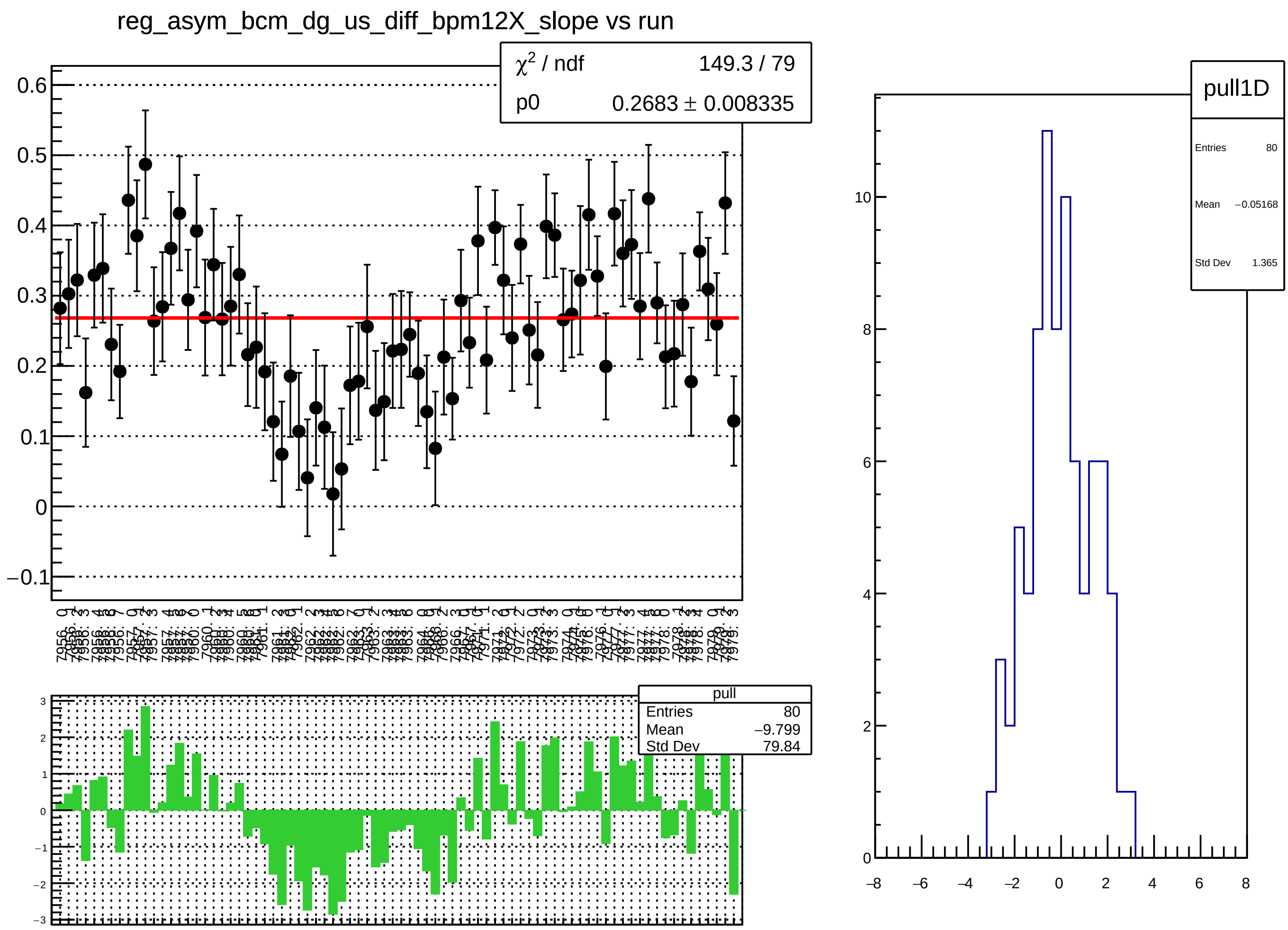
reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 319.5 / 79
p0 6.952 ± 0.2438
pull
Entries 80
Mean −158.6
Std Dev 166.9
pull1D
Entries 80
Mean 0.04555
Std Dev 1.998


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
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
χ^2 / ndf 339.9 / 79
p0 −5.98 ± 0.216
pull
Entries 80
Mean −60.95
Std Dev 61.72
pull1D
Entries 80
Mean −0.08965
Std Dev 2.059


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 97.38 / 79
p0 0.9675 ± 0.2892
pull
Entries 80
Mean 12.22
Std Dev 101.7
pull1D
Entries 80
Mean 0.01378
Std Dev 1.103



reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
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