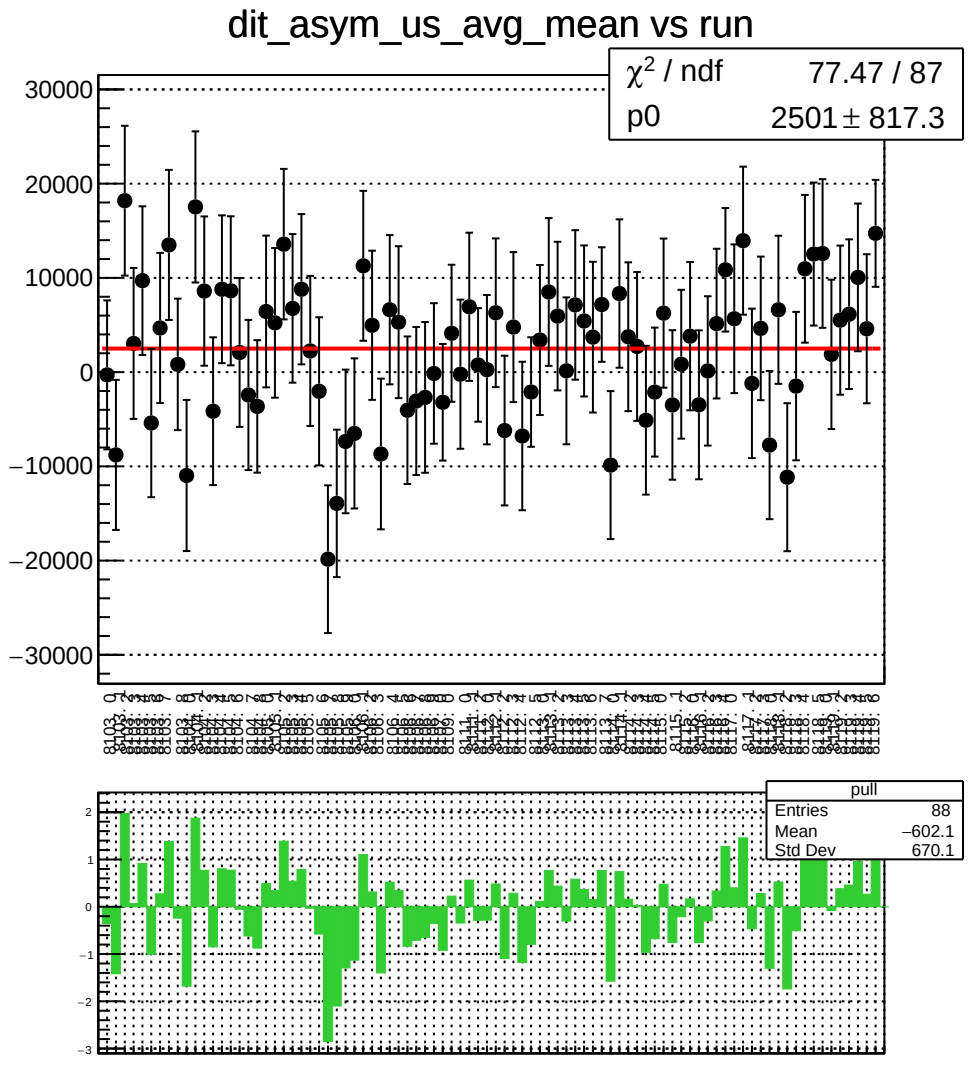
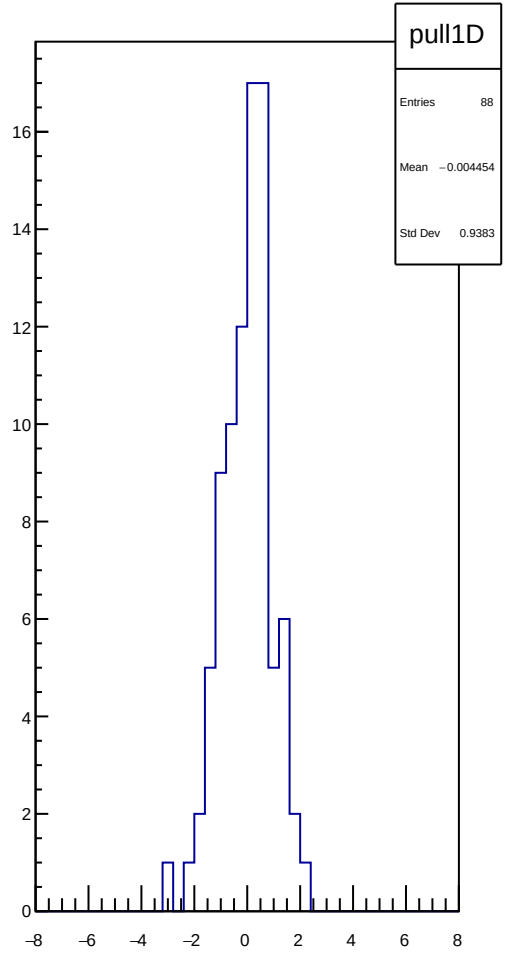
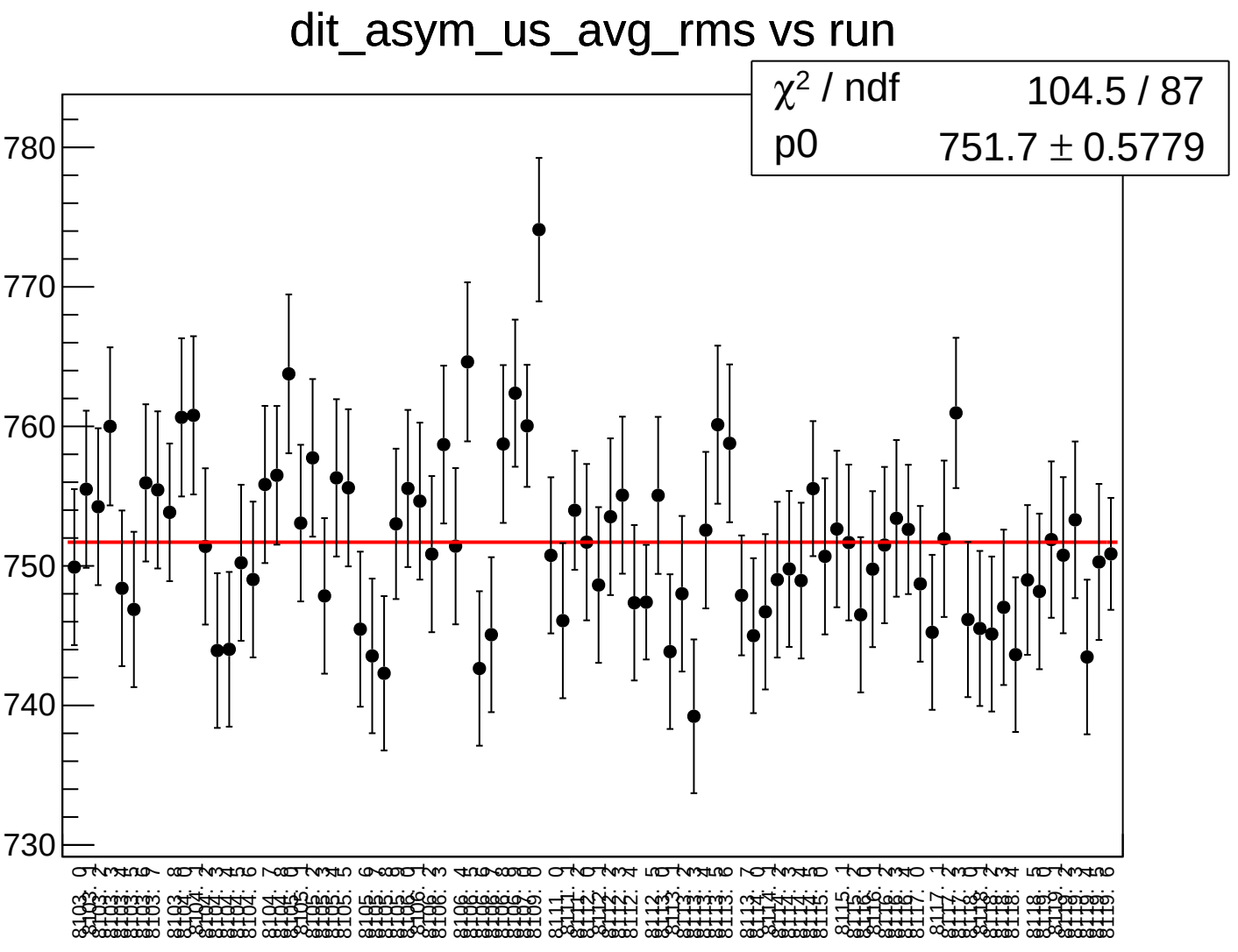
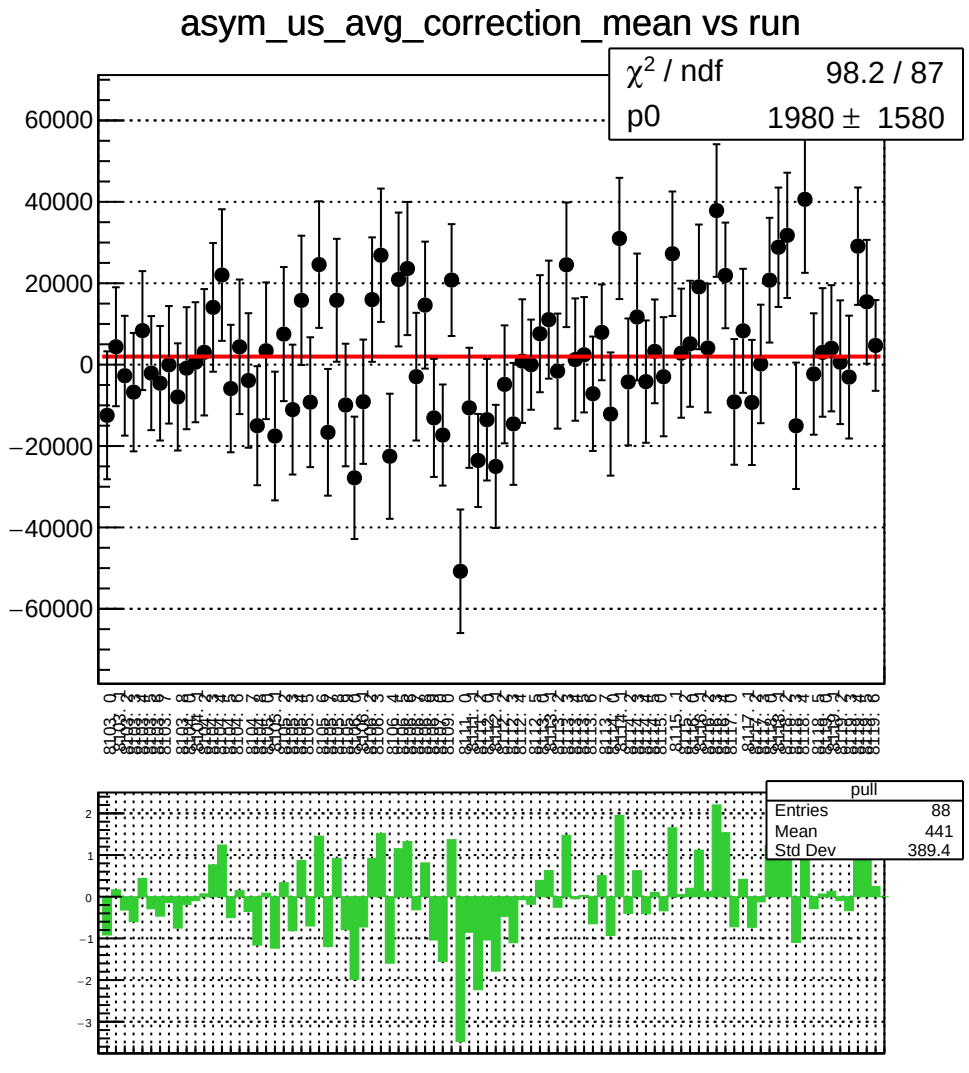
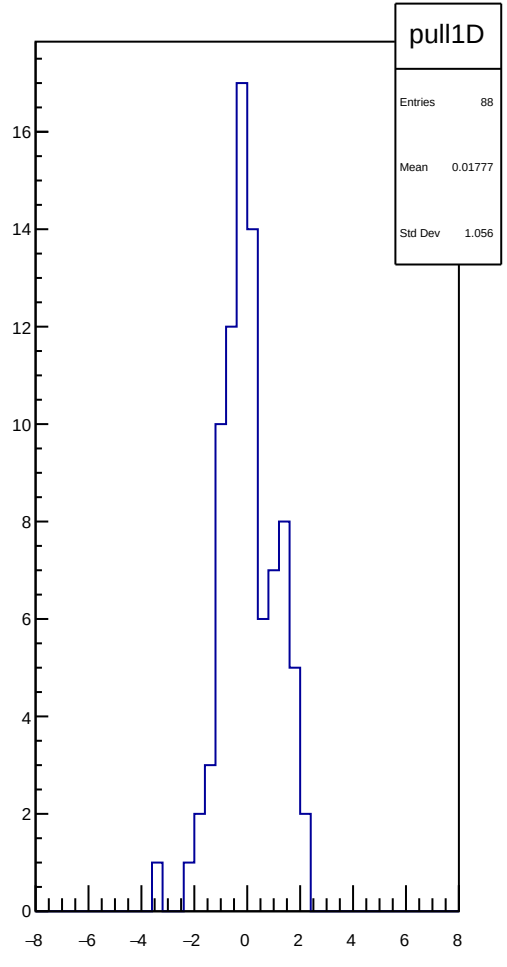
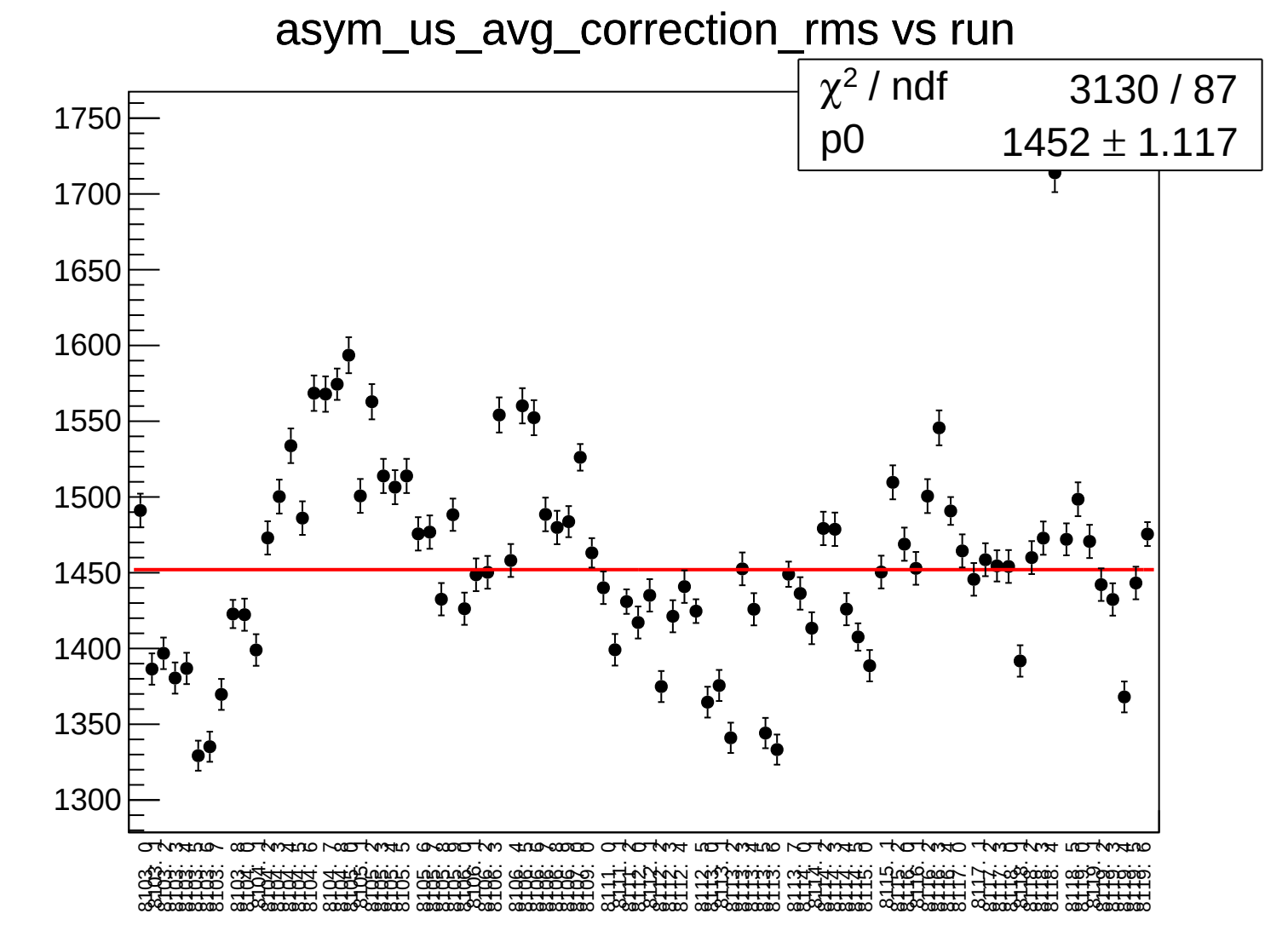

dit_asym_us_avg_mean vs run
χ² / ndf 77.47 / 87
p0 2501 ± 817.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean −602.1
Std Dev 670.1
2
1
0
−1
−2
−3

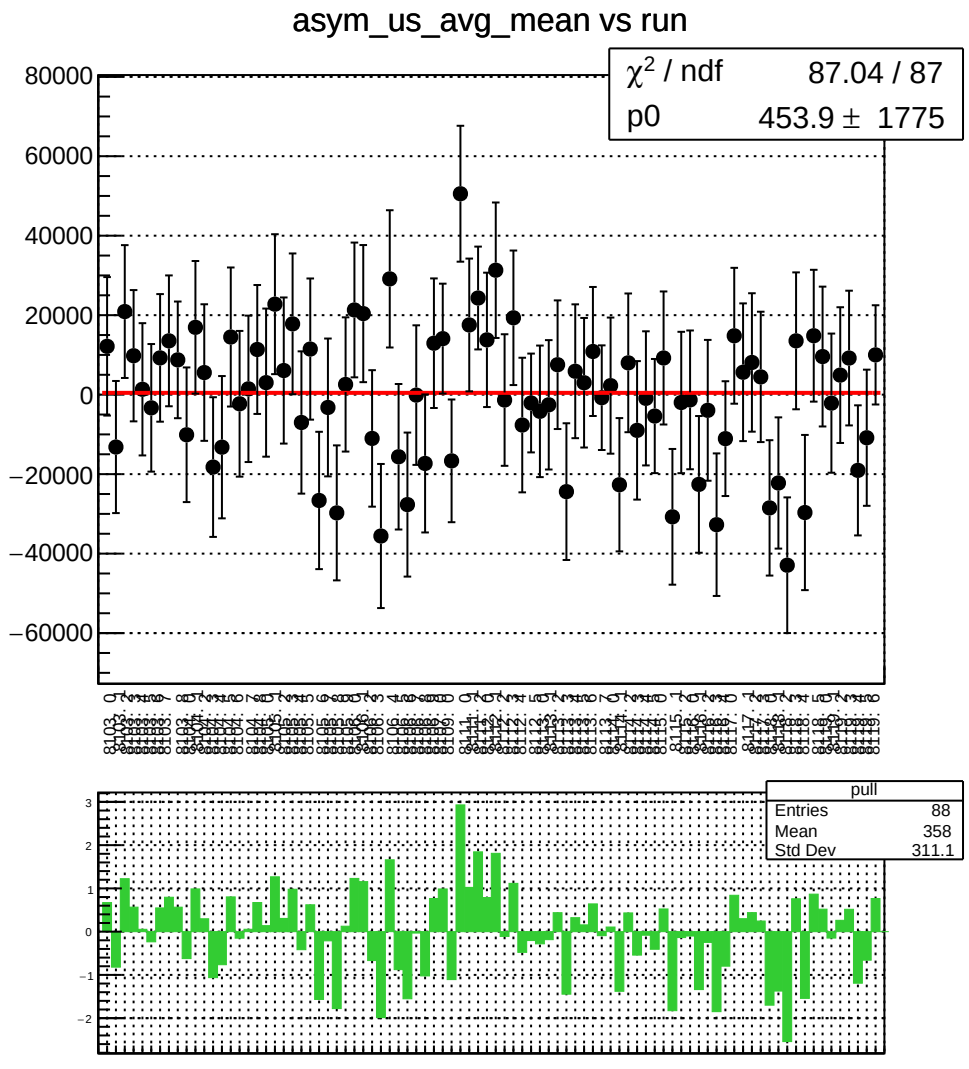

pull1D
Entries 88
Mean −0.004454
Std Dev 0.9383
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

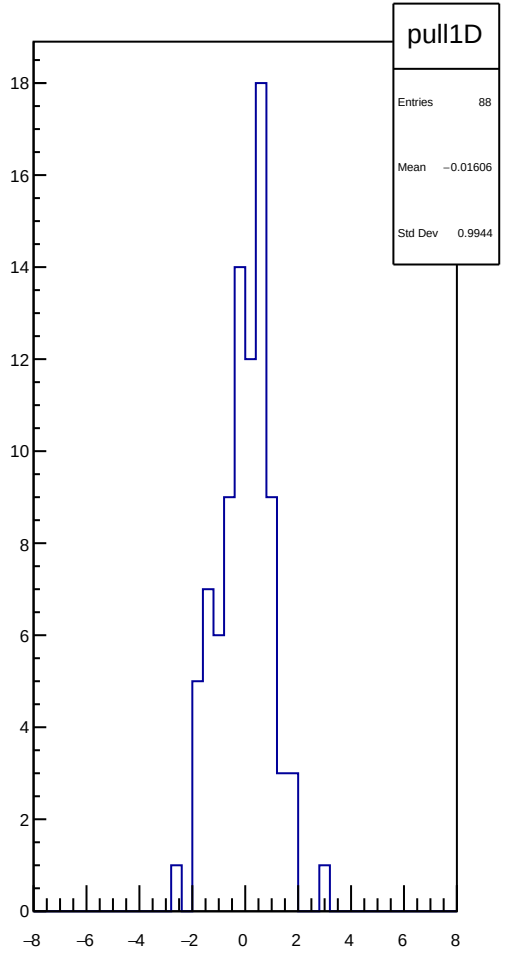

dit_asym_us_avg_rms vs run
χ² / ndf 104.5 / 87
p0 751.7 ± 0.5779
780
770
760
750
740
730

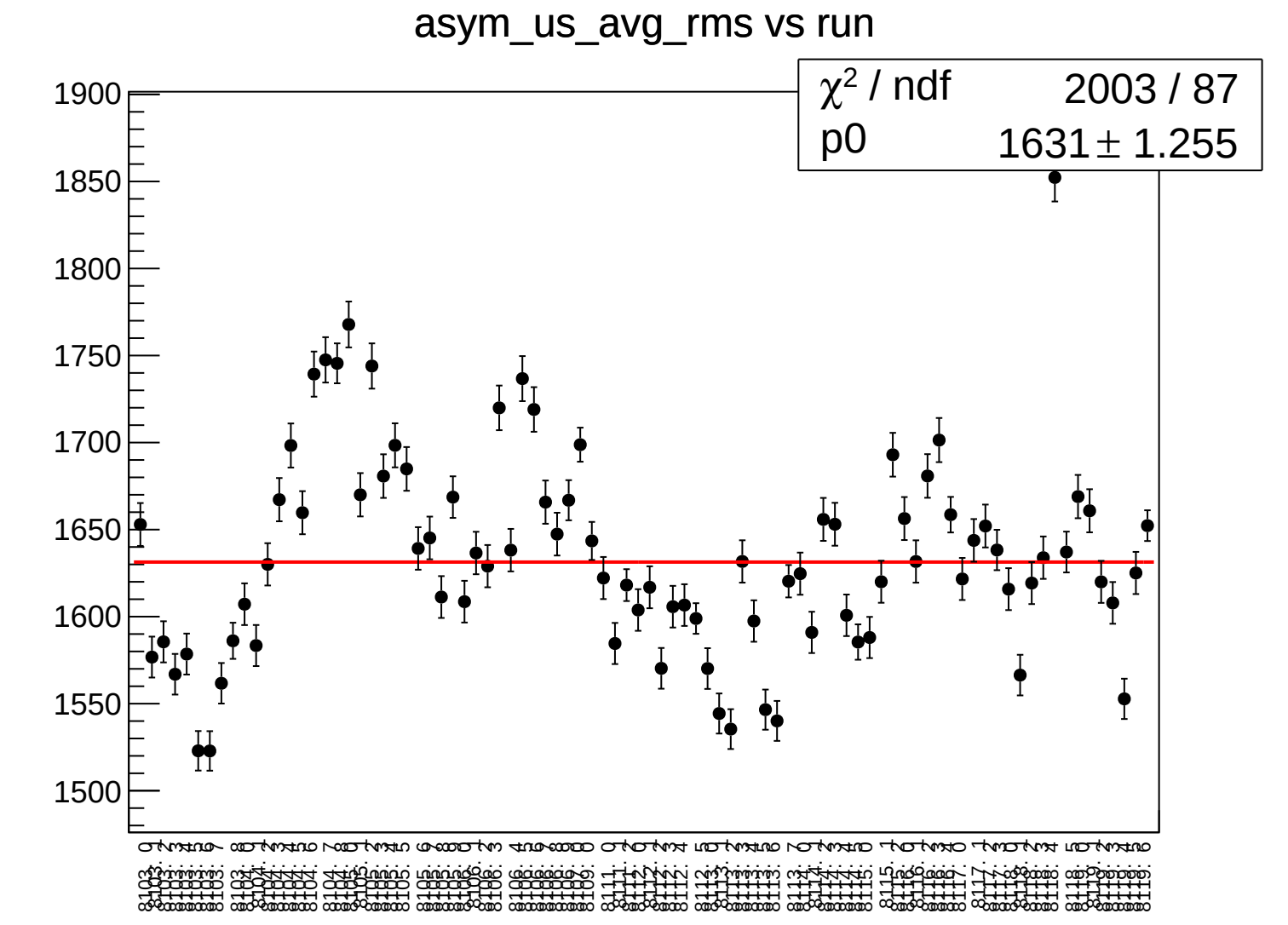

asym_us_avg_correction_mean vs run
χ² / ndf 98.2 / 87
p0 1980 ± 1580
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 441
Std Dev 389.4
2
1
0
−1
−2
−3

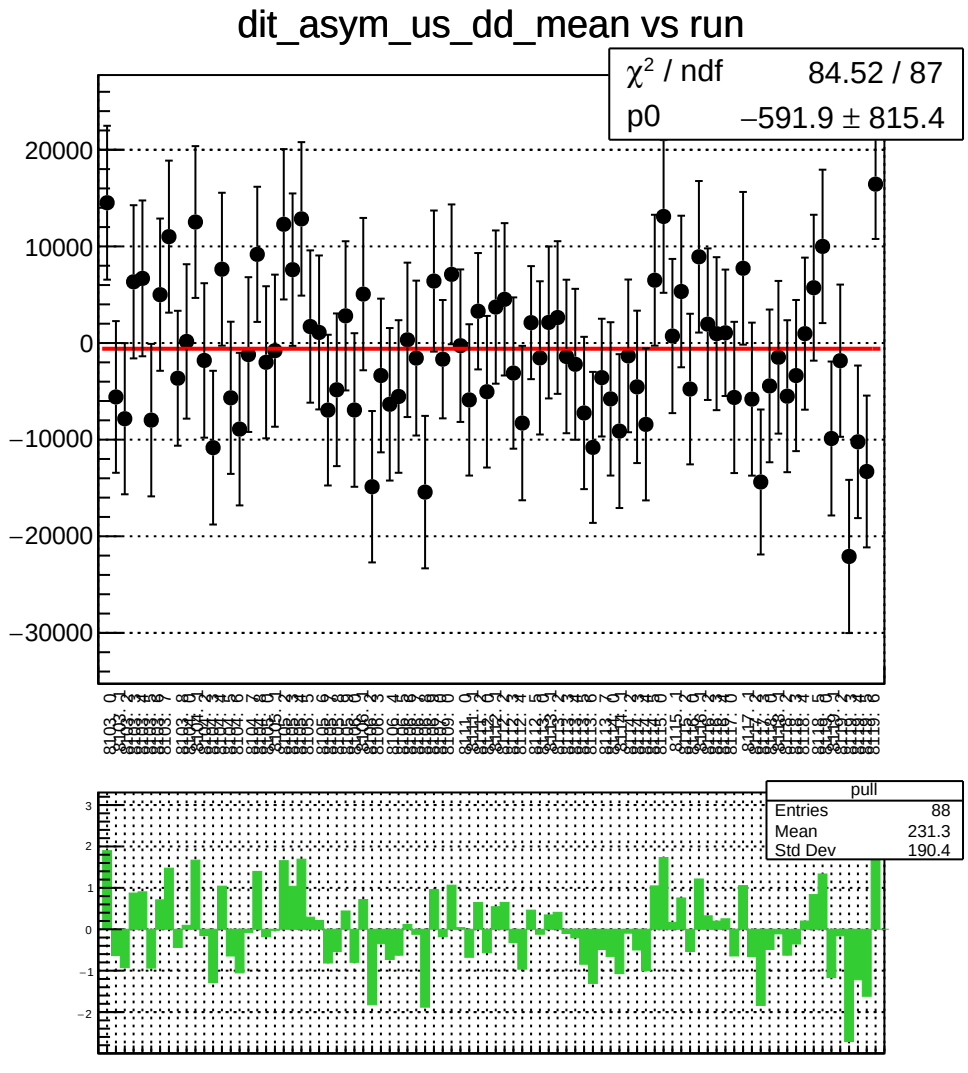

pull1D
Entries 88
Mean 0.01777
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

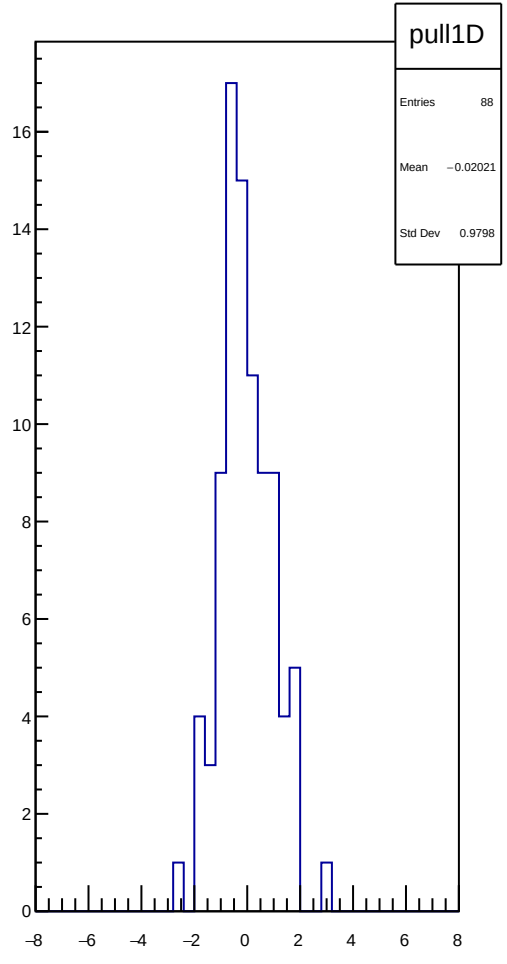

asym_us_avg_correction_rms vs run
χ^2 / ndf 3130 / 87
p0 1452 ± 1.117
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

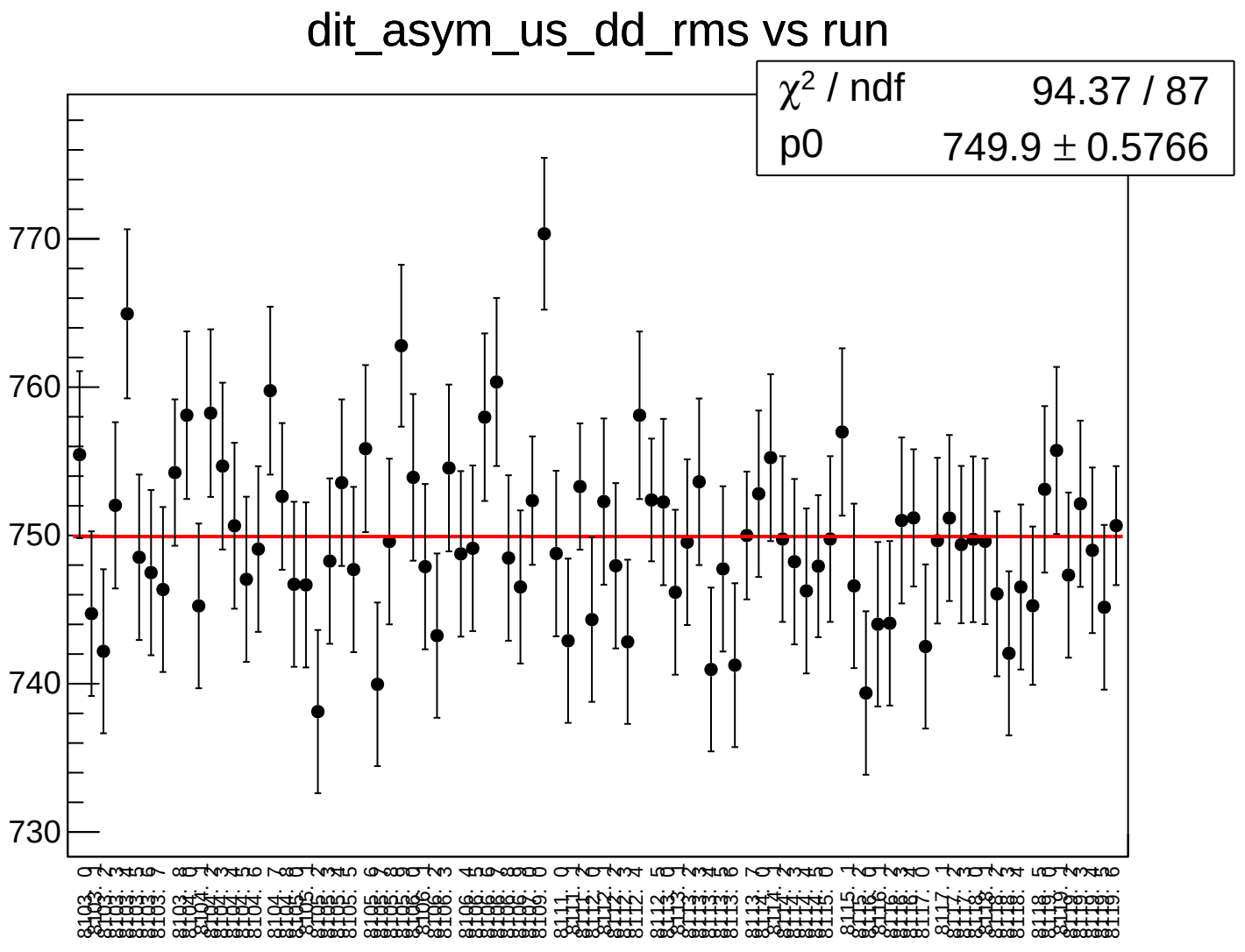

asym_us_avg_mean vs run
χ² / ndf 87.04 / 87
p0 453.9 ± 1775
pull
Entries 88
Mean 358
Std Dev 311.1

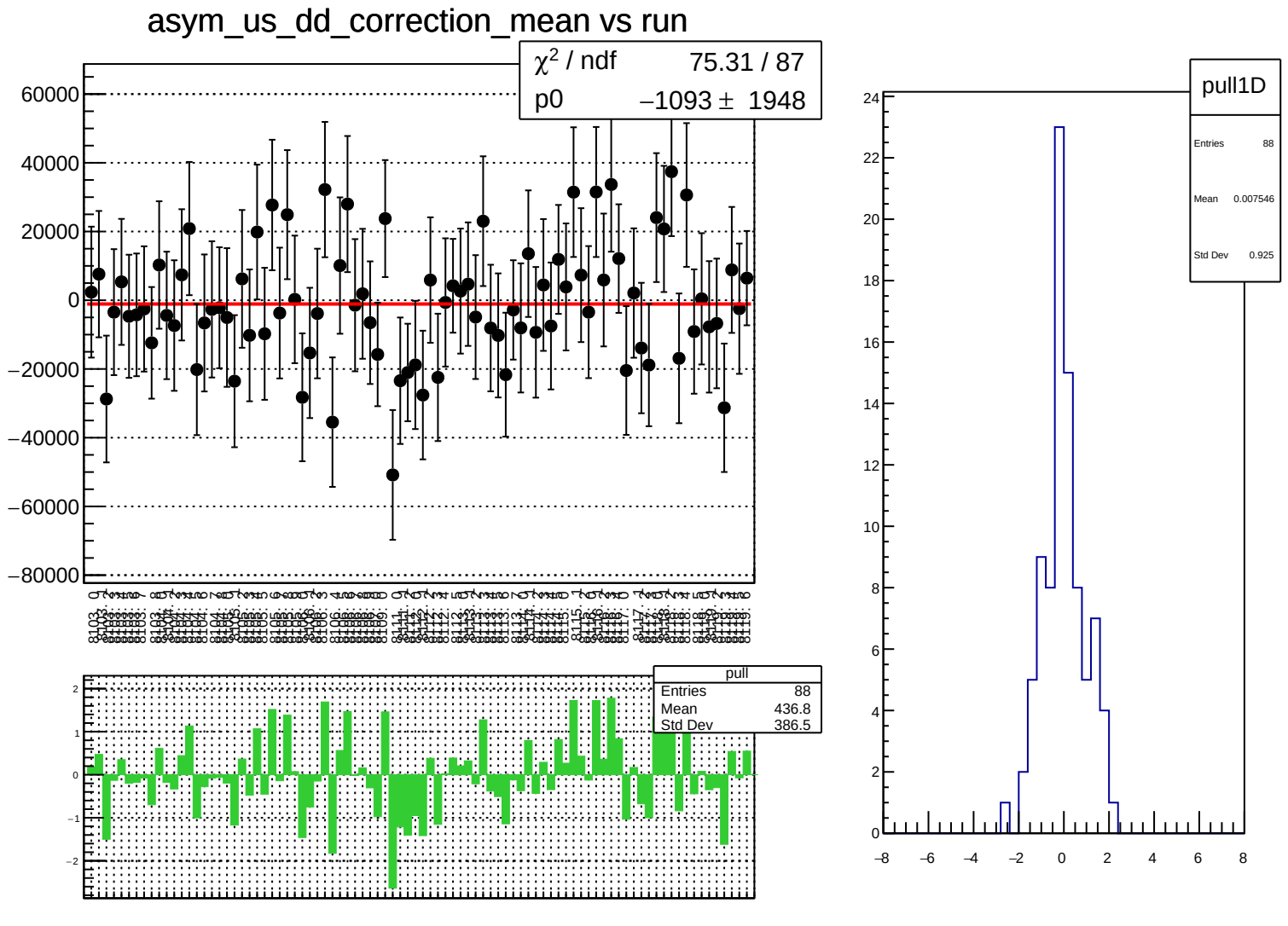

pull1D
Entries 88
Mean −0.01606
Std Dev 0.9944

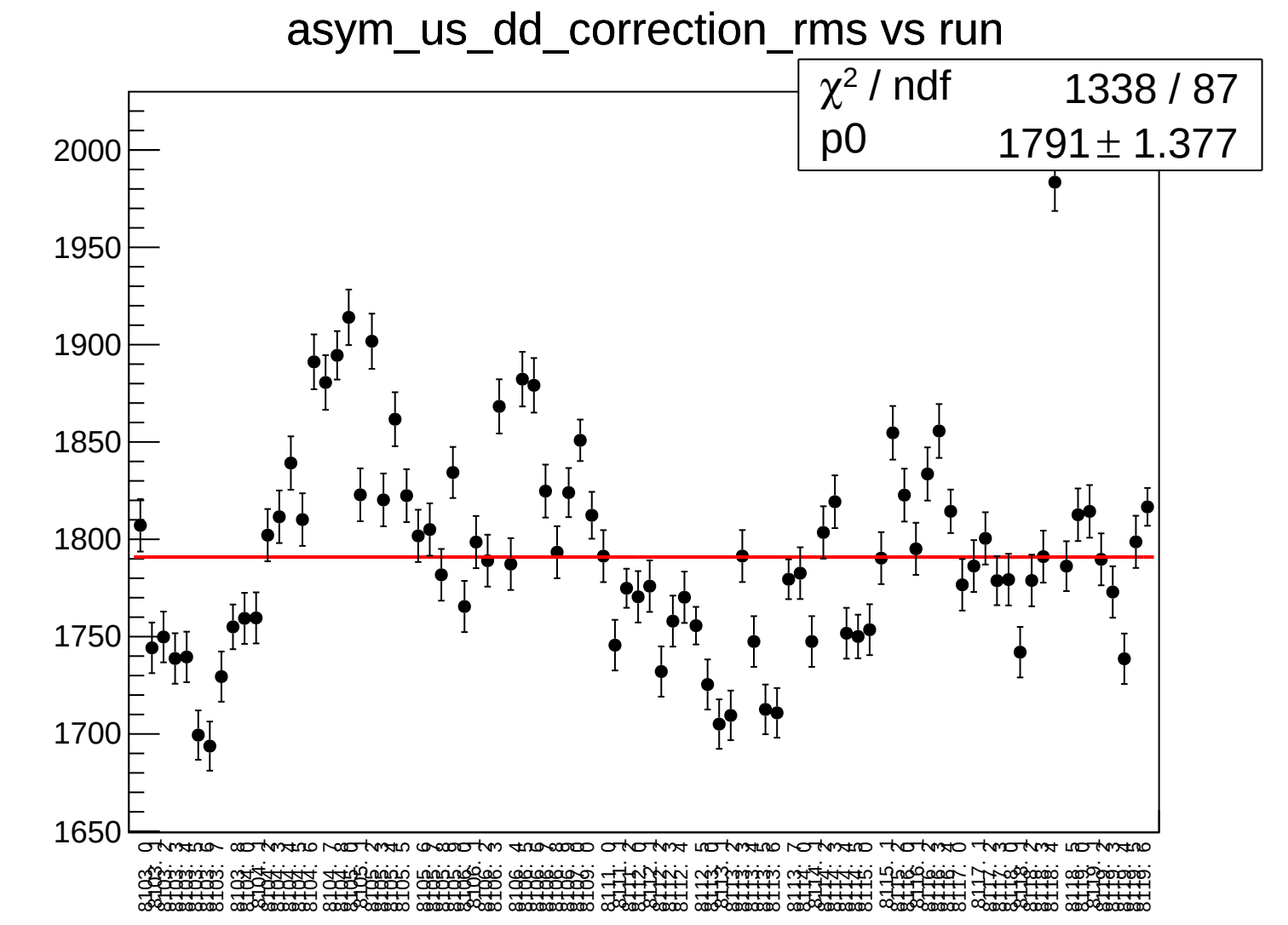

asym_us_avg_rms vs run
χ^2 / ndf 2003 / 87
p0 1631 ± 1.255
1900
1850
1800
1750
1700
1650
1600
1550
1500

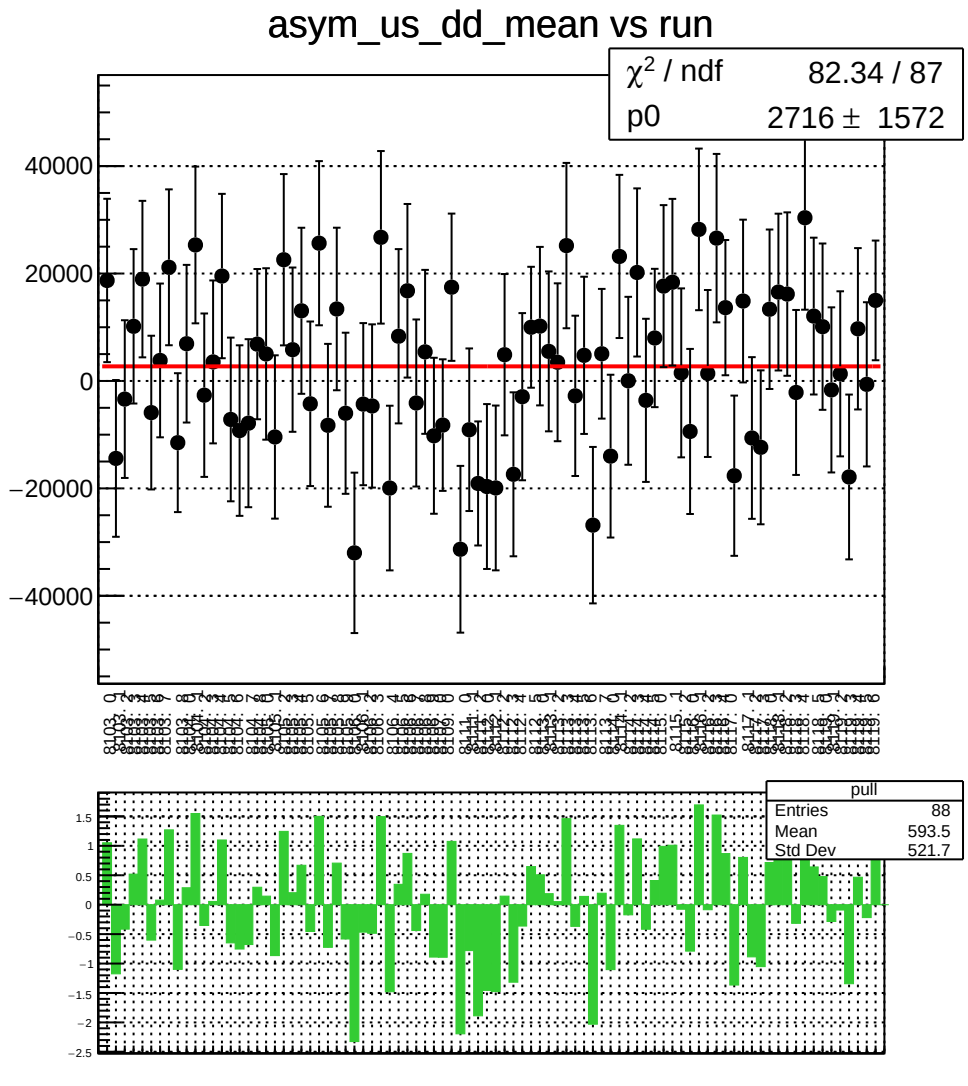

dit_asym_us_dd_mean vs run
χ² / ndf 84.52 / 87
p0 −591.9 ± 815.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 231.3
Std Dev 190.4
3
2
1
0
−1
−2

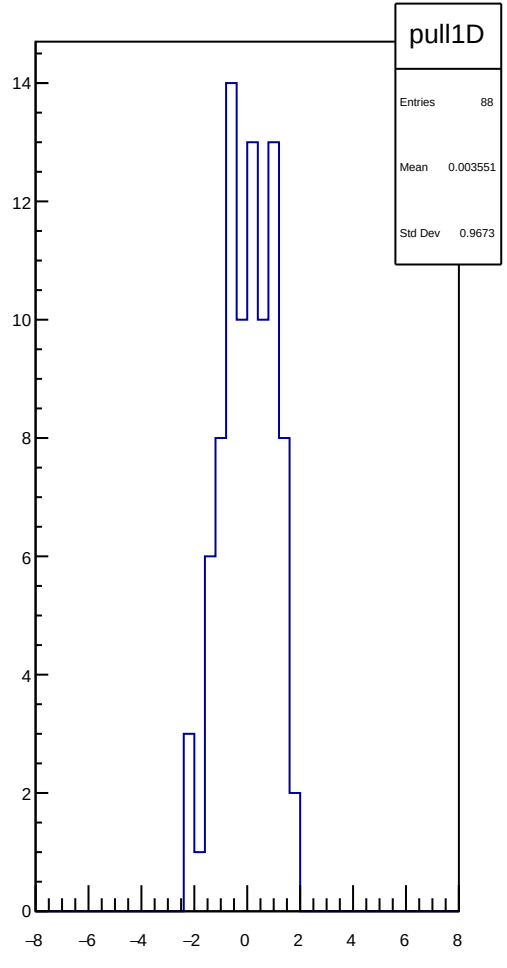

pull1D
Entries 88
Mean −0.02021
Std Dev 0.9798
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

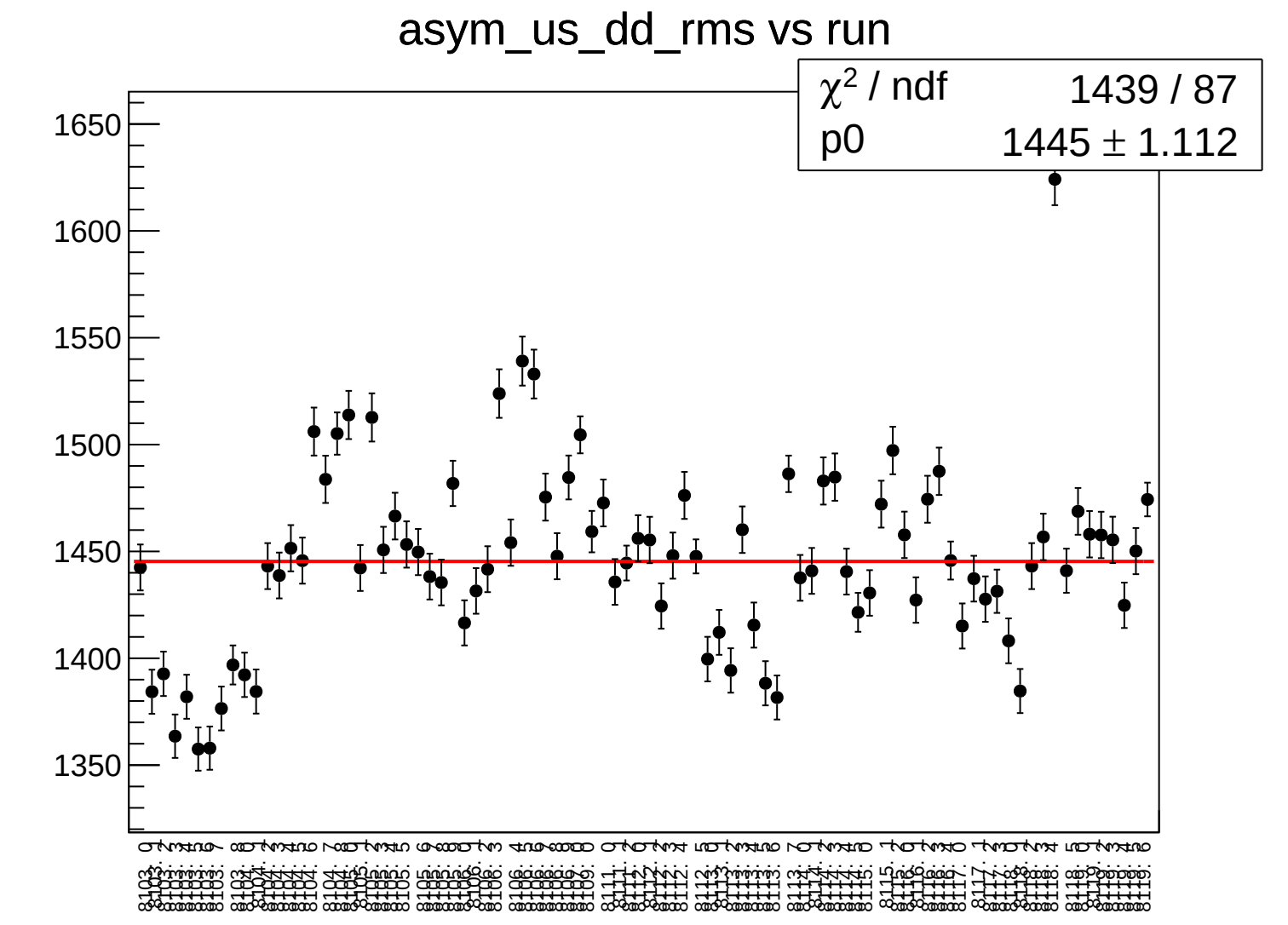

dit_asym_us_dd_rms vs run
χ² / ndf 94.37 / 87
p0 749.9 ± 0.5766
770
760
750
740
730

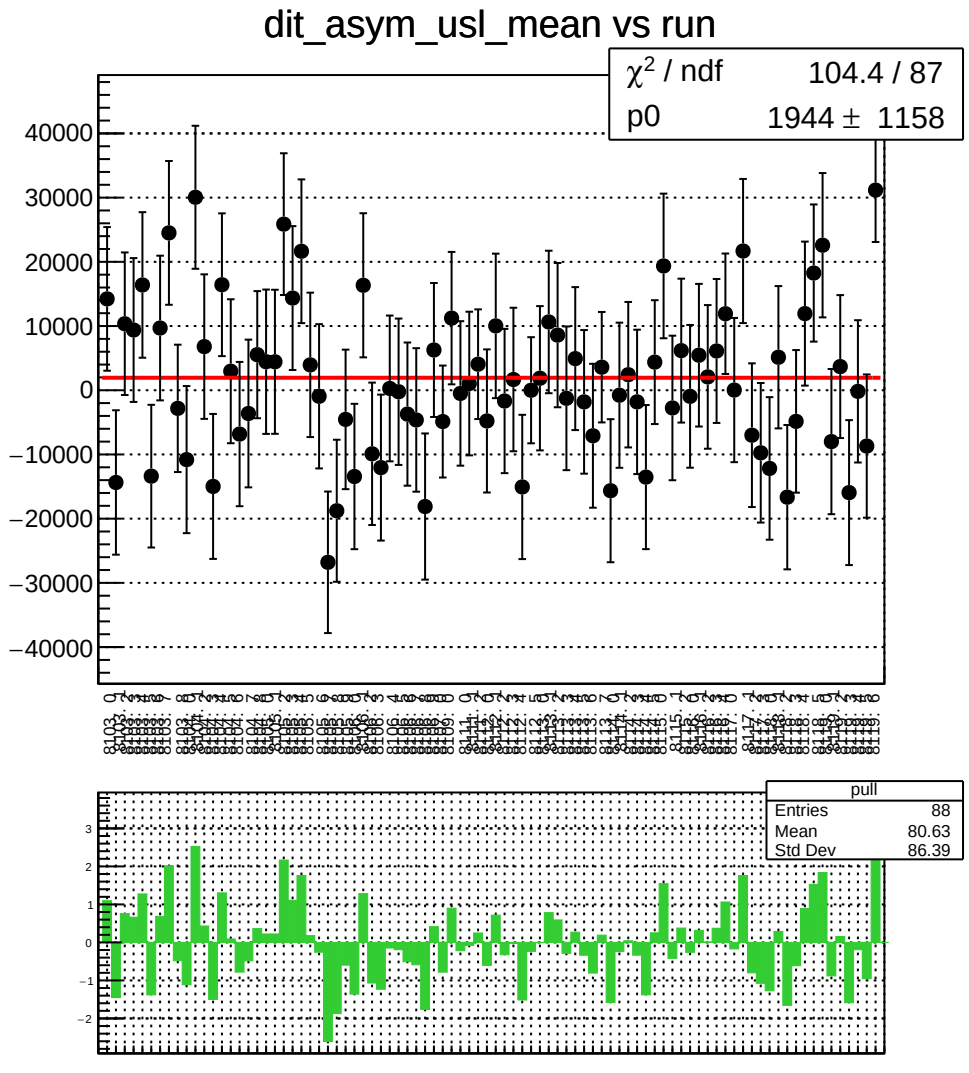

asym_us_dd_correction_mean vs run
χ² / ndf 75.31 / 87
p0 −1093 ± 1948
pull
Entries 88
Mean 436.8
Std Dev 386.5
pull1D
Entries 88
Mean 0.007546
Std Dev 0.925

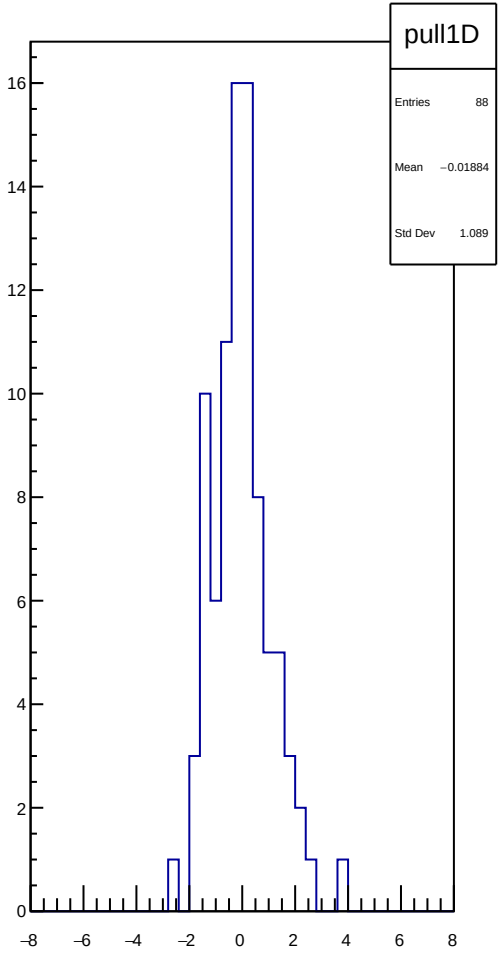

asym_us_dd_correction_rms vs run
χ² / ndf 1338 / 87
p0 1791 ± 1.377
2000
1950
1900
1850
1800
1750
1700
1650

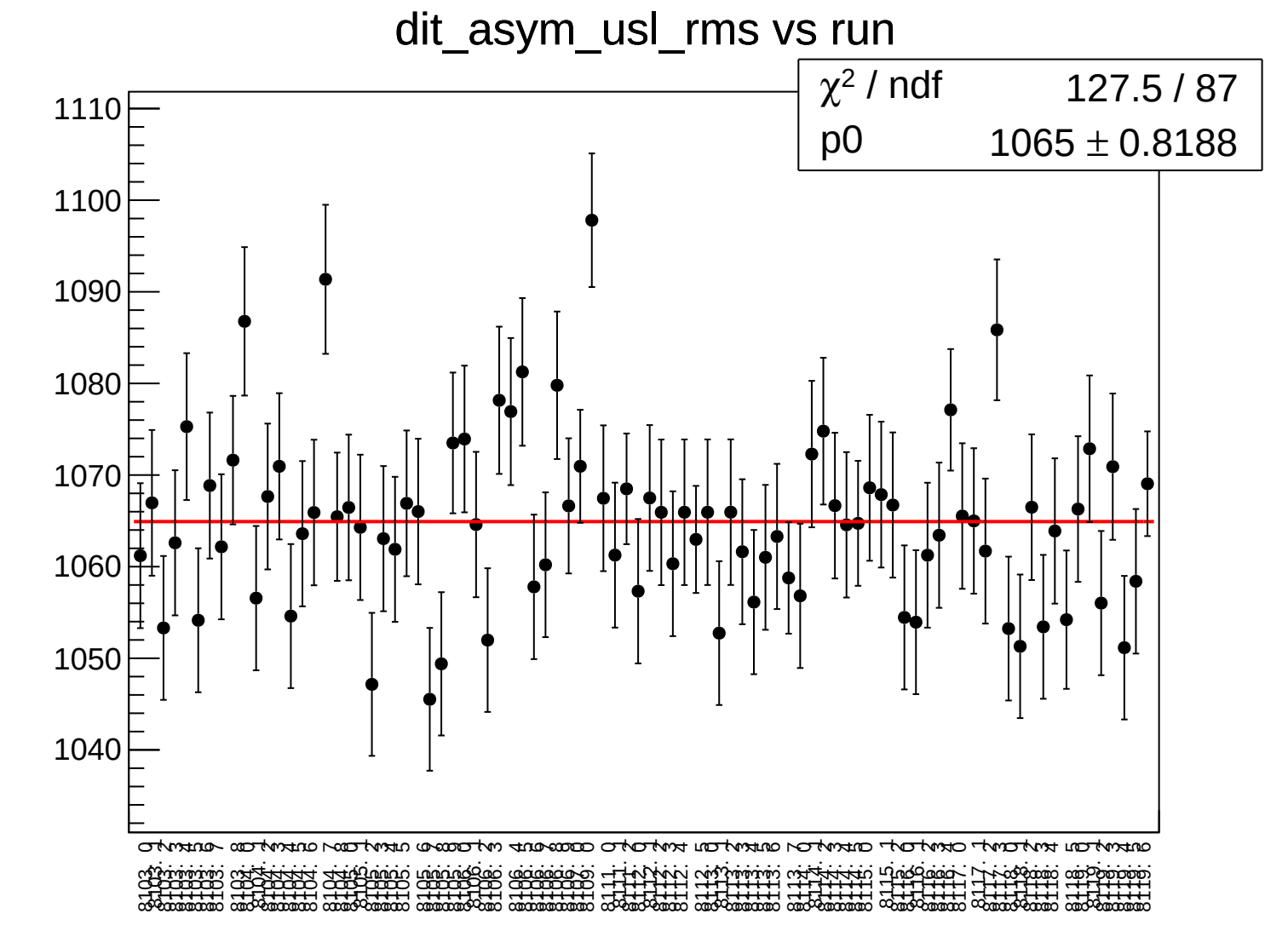

asym_us_dd_mean vs run
χ² / ndf 82.34 / 87
p0 2716 ± 1572
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 593.5
Std Dev 521.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

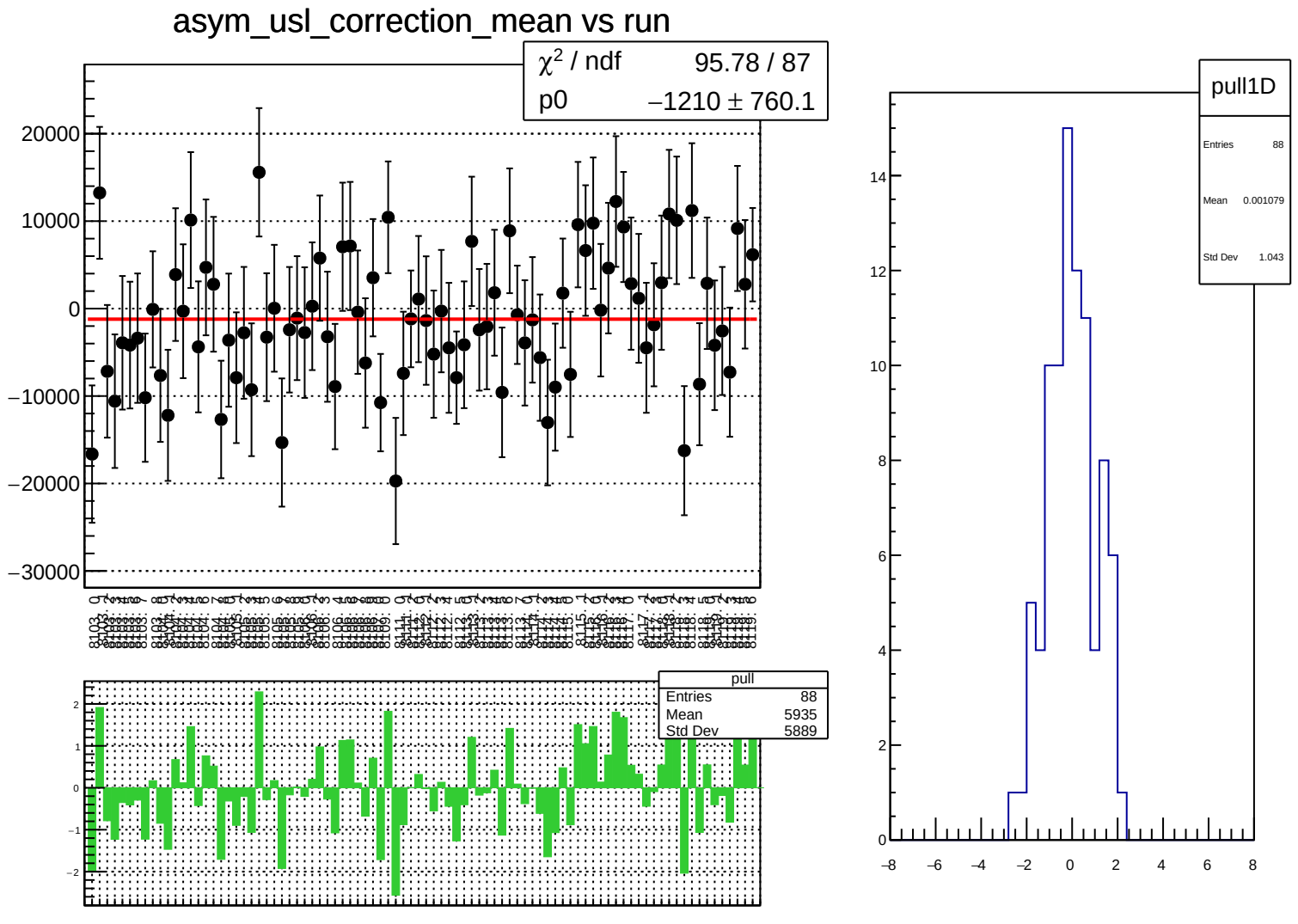

pull1D
Entries 88
Mean 0.003551
Std Dev 0.9673
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

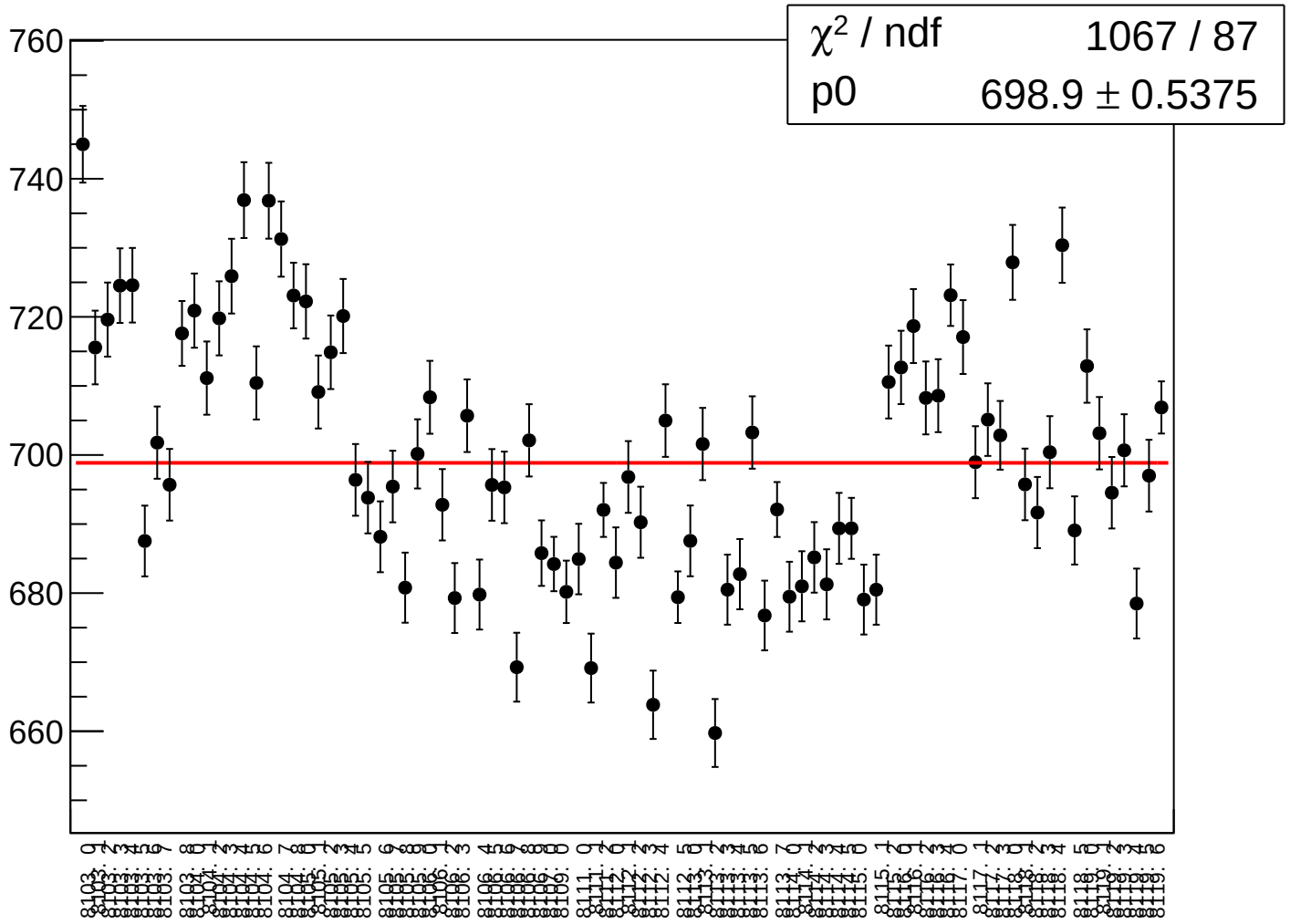

asym_us_dd_rms vs run
χ^2 / ndf 1439 / 87
p0 1445 ± 1.112
1650
1600
1550
1500
1450
1400
1350

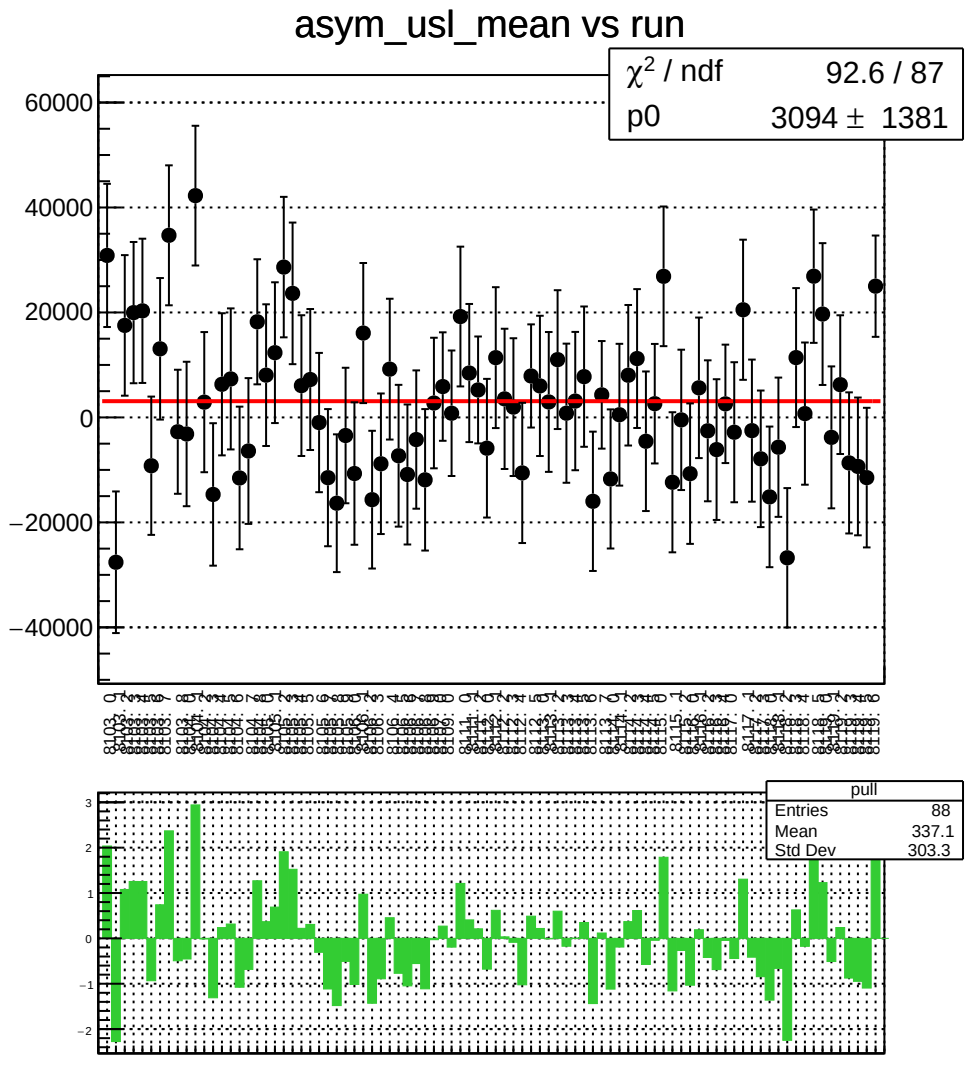

dit_asym_usl_mean vs run
χ² / ndf 104.4 / 87
p0 1944 ± 1158
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 88
Mean 80.63
Std Dev 86.39
3
2
1
0
−1
−2

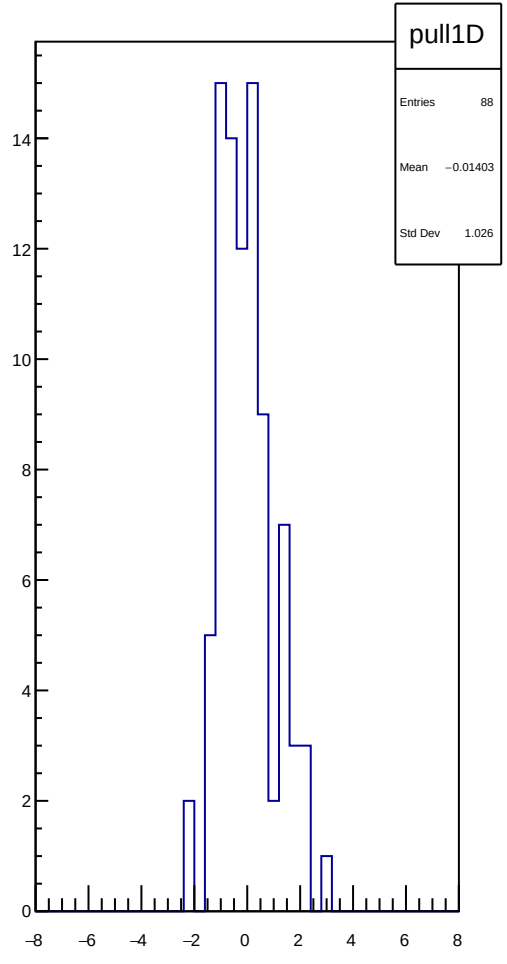

pull1D
Entries 88
Mean −0.01884
Std Dev 1.089
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

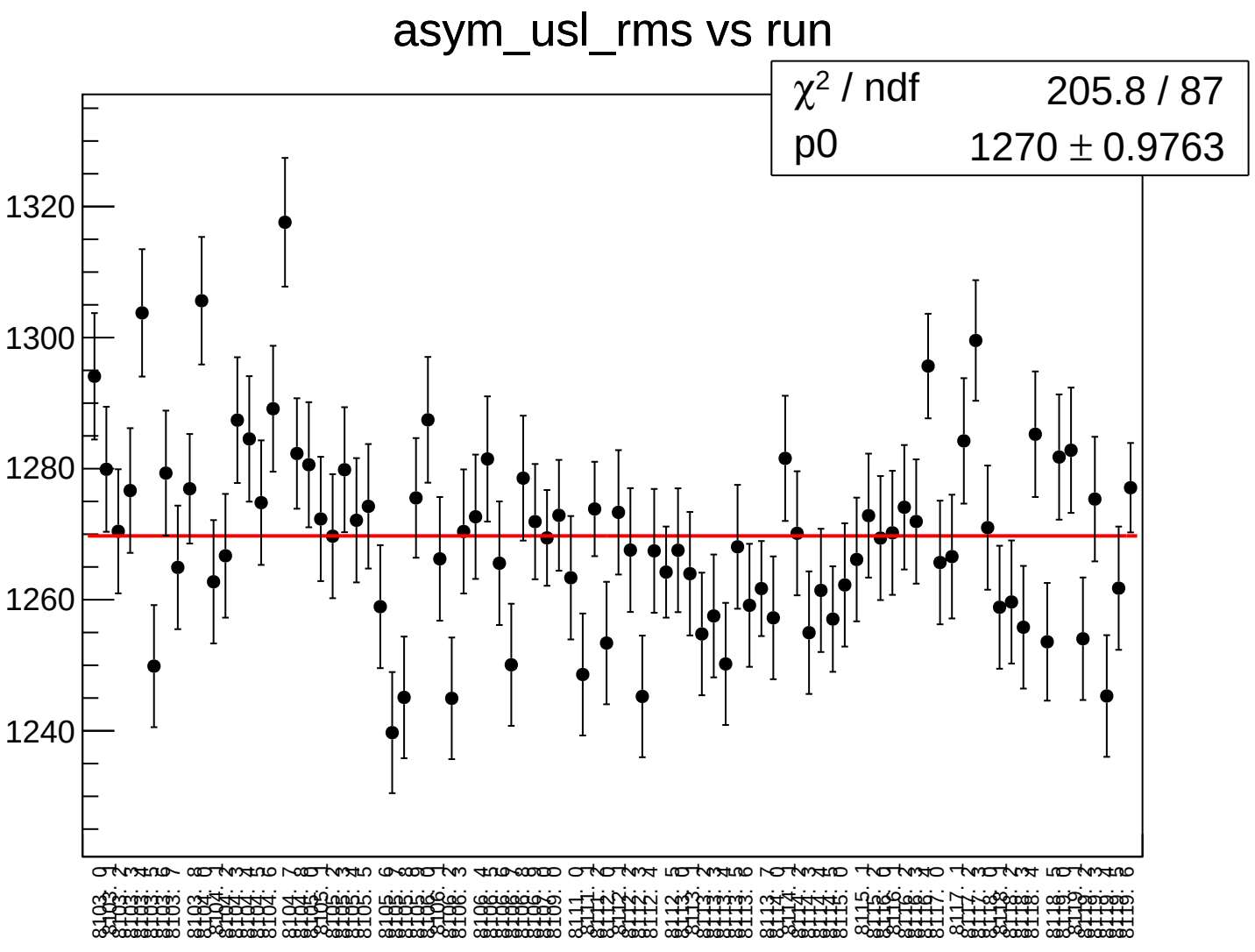

dit_asym_usl_rms vs run
χ^2 / ndf 127.5 / 87
p0 1065 ± 0.8188
1110
1100
1090
1080
1070
1060
1050
1040

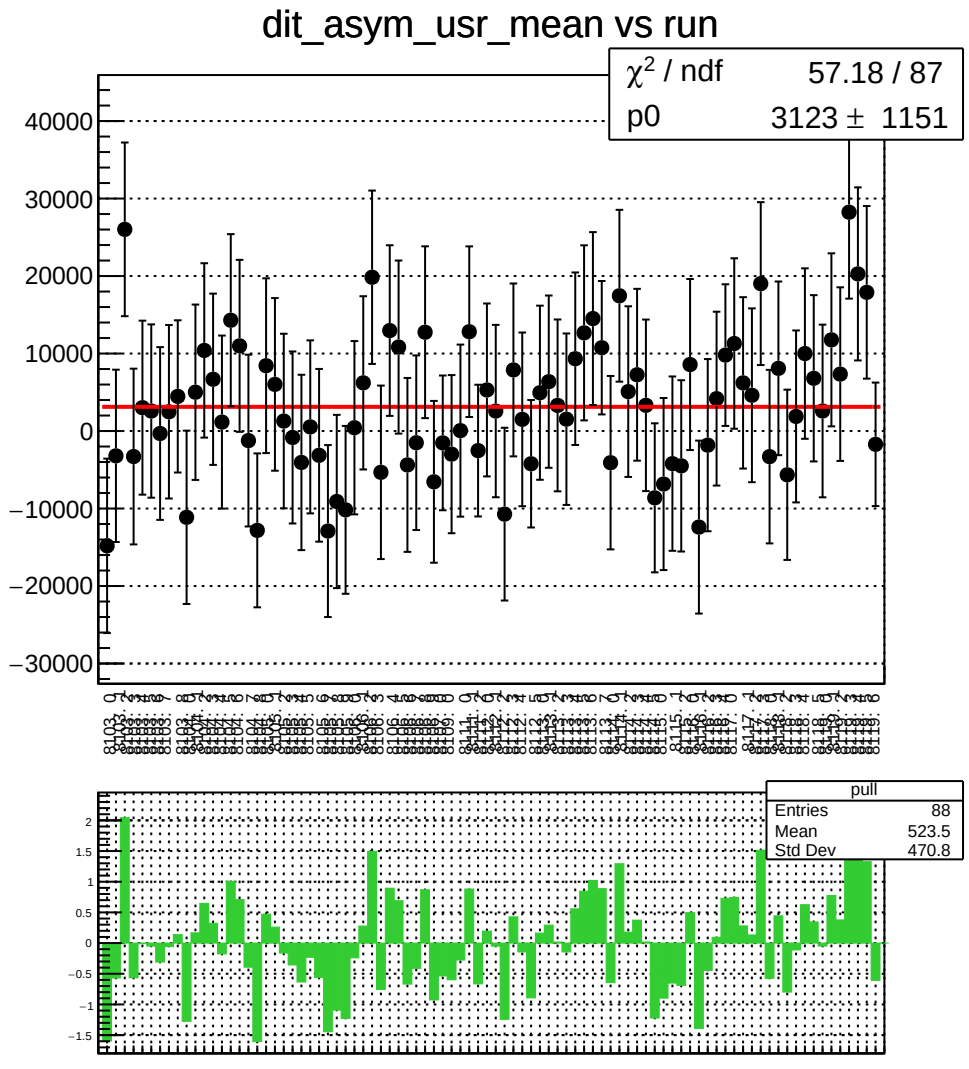

asym_usl_correction_mean vs run
χ² / ndf 95.78 / 87
p0 −1210 ± 760.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 5935
Std Dev 5889
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.001079
Std Dev 1.043
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

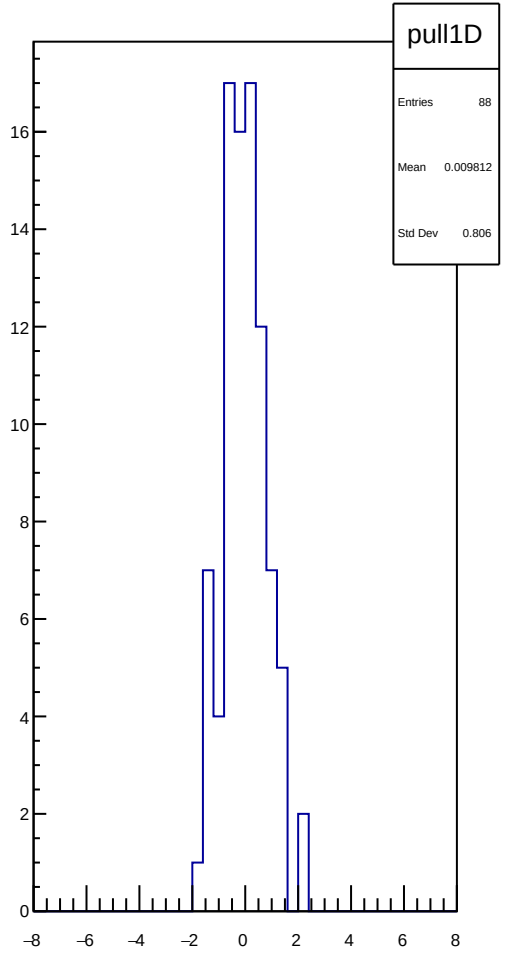

asym_usl_correction_rms vs run
χ² / ndf 1067 / 87
p0 698.9 ± 0.5375
760
740
720
700
680
660

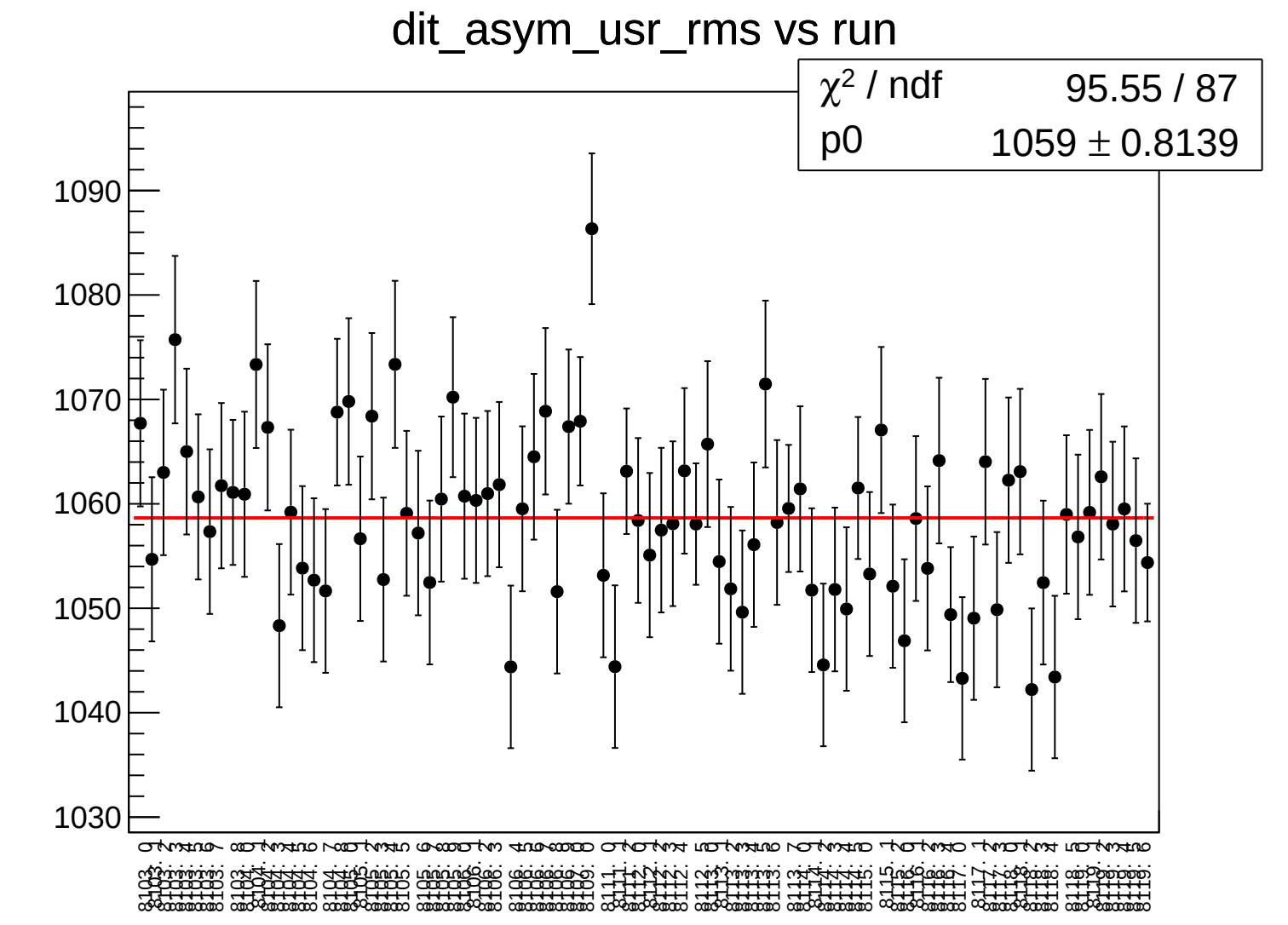

asym_usl_mean vs run
χ² / ndf 92.6 / 87
p0 3094 ± 1381
60000
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 337.1
Std Dev 303.3
3
2
1
0
−1
−2

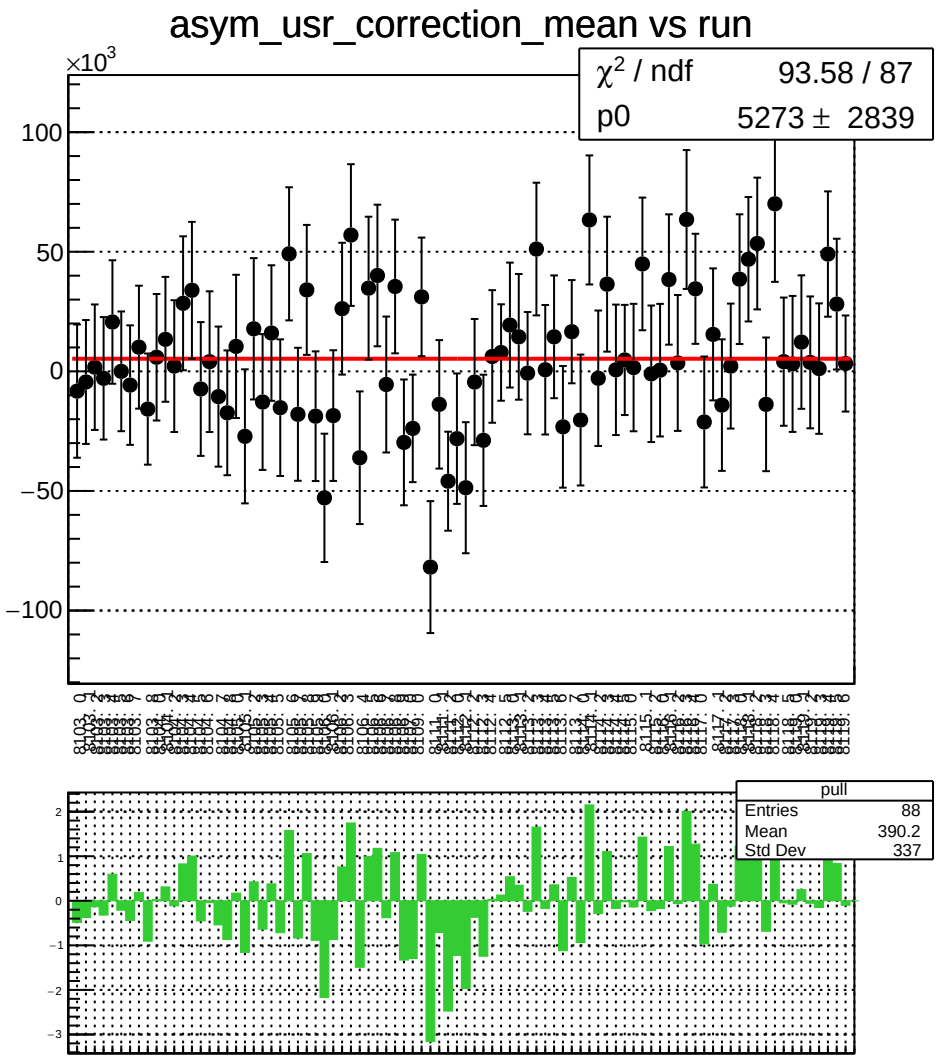

pull1D
Entries 88
Mean −0.01403
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

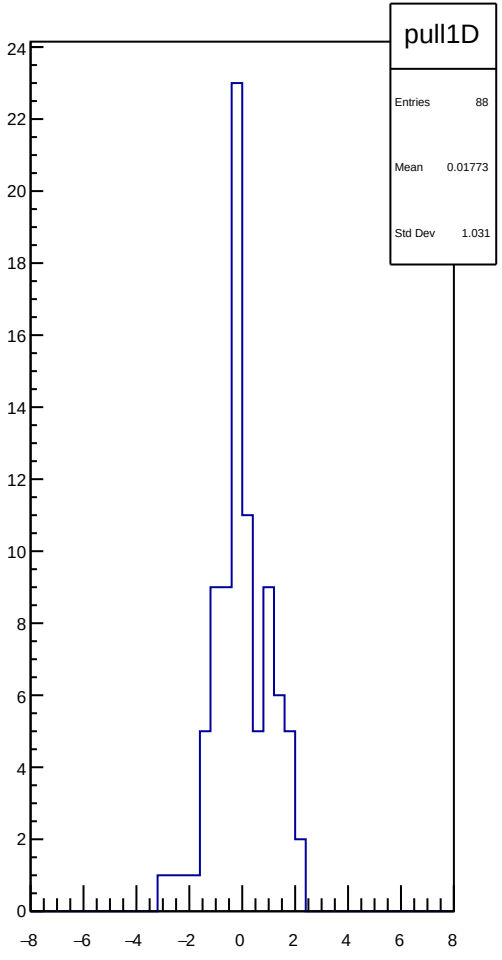

asym_usl_rms vs run
χ² / ndf 205.8 / 87
p0 1270 ± 0.9763
1320
1300
1280
1260
1240

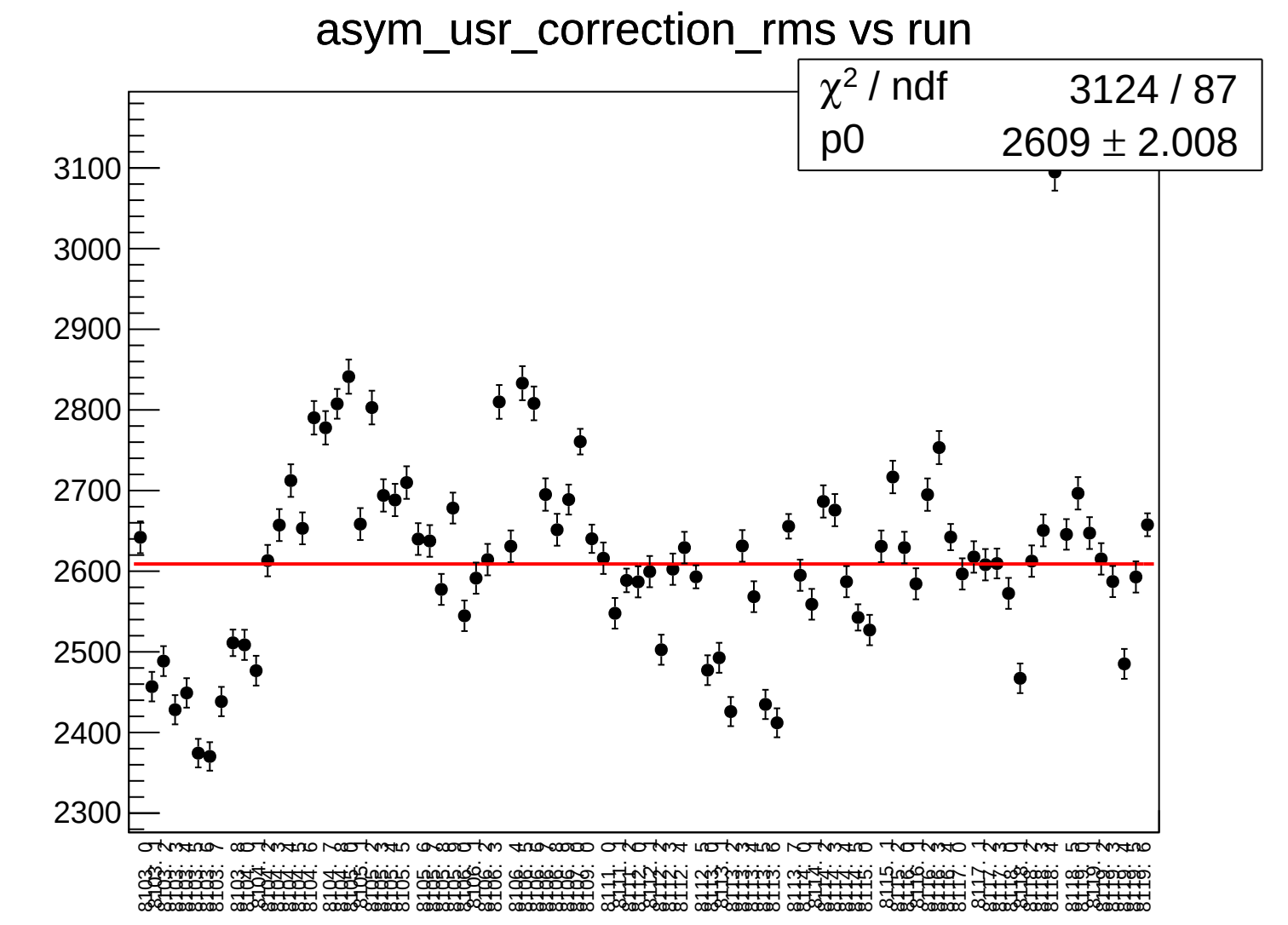

dit_asym_usr_mean vs run
χ² / ndf 57.18 / 87
p0 3123 ± 1151
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 523.5
Std Dev 470.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

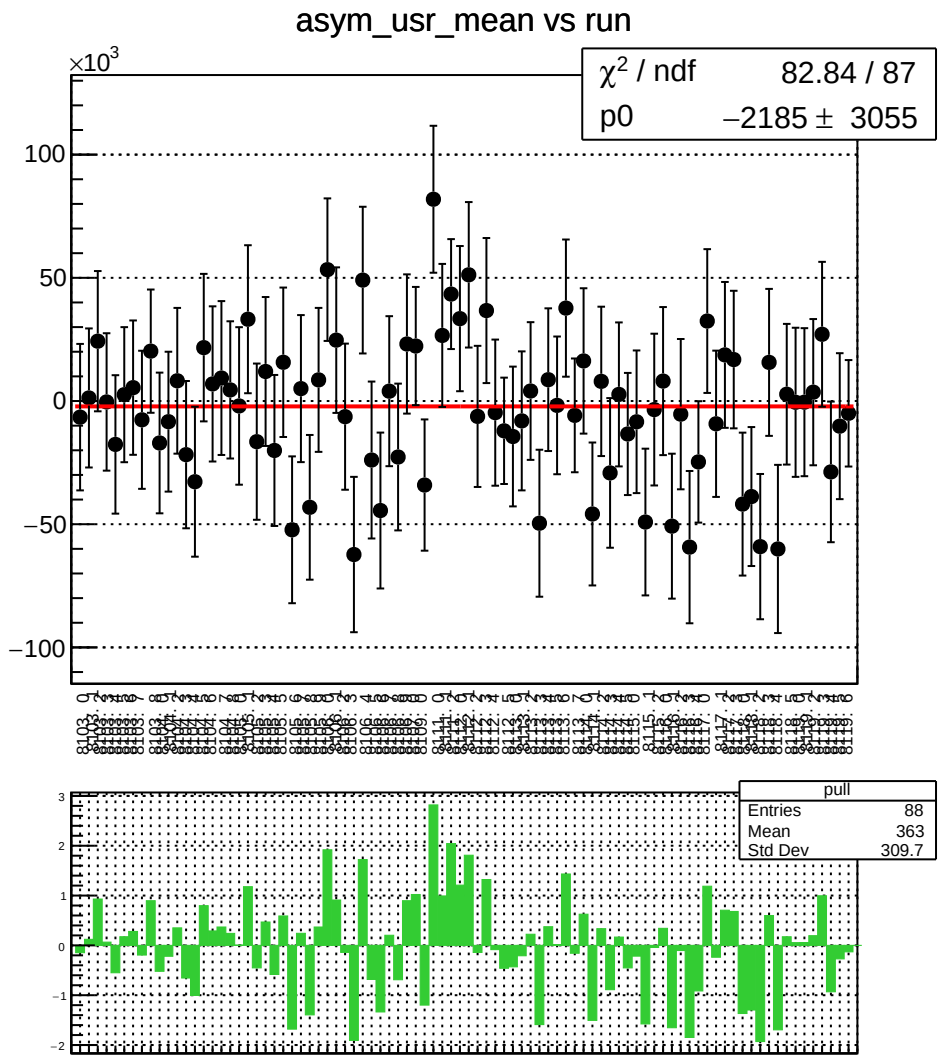

pull1D
Entries 88
Mean 0.009812
Std Dev 0.806
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

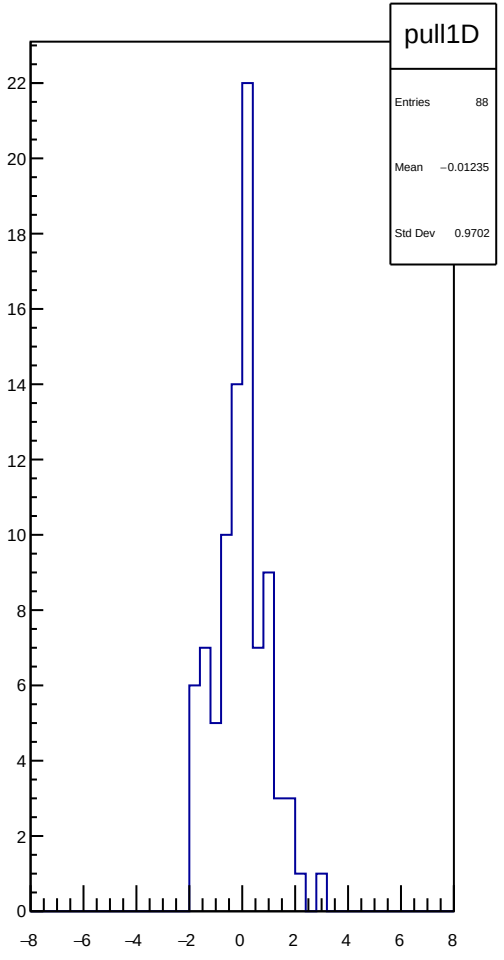

dit_asym_usr_rms vs run
χ² / ndf 95.55 / 87
p0 1059 ± 0.8139
1090
1080
1070
1060
1050
1040
1030

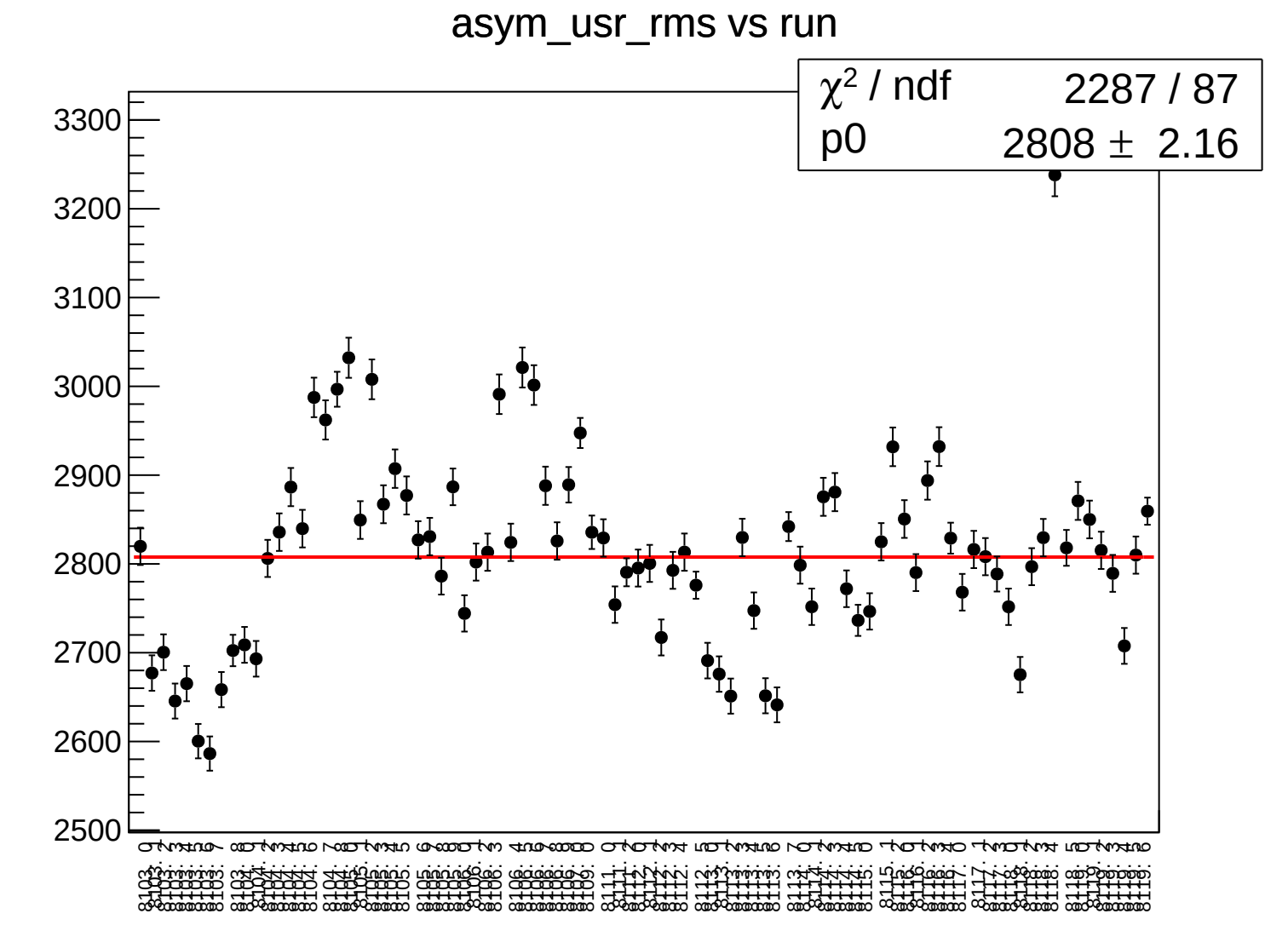

asym_usr_correction_mean vs run
×10^3
χ² / ndf 93.58 / 87
p0 5273 ± 2839
100
50
0
−50
−100
pull
Entries 88
Mean 390.2
Std Dev 337
2
1
0
−1
−2
−3

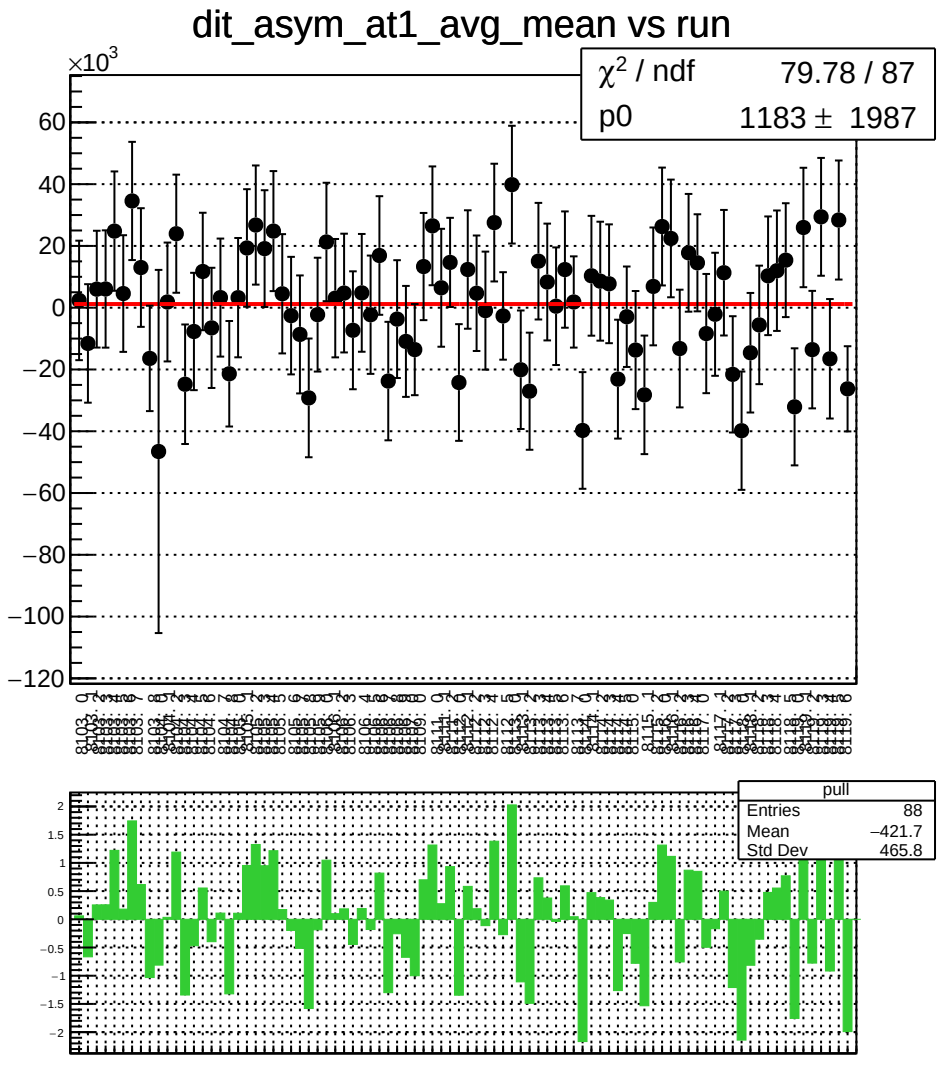

pull1D
Entries 88
Mean 0.01773
Std Dev 1.031
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

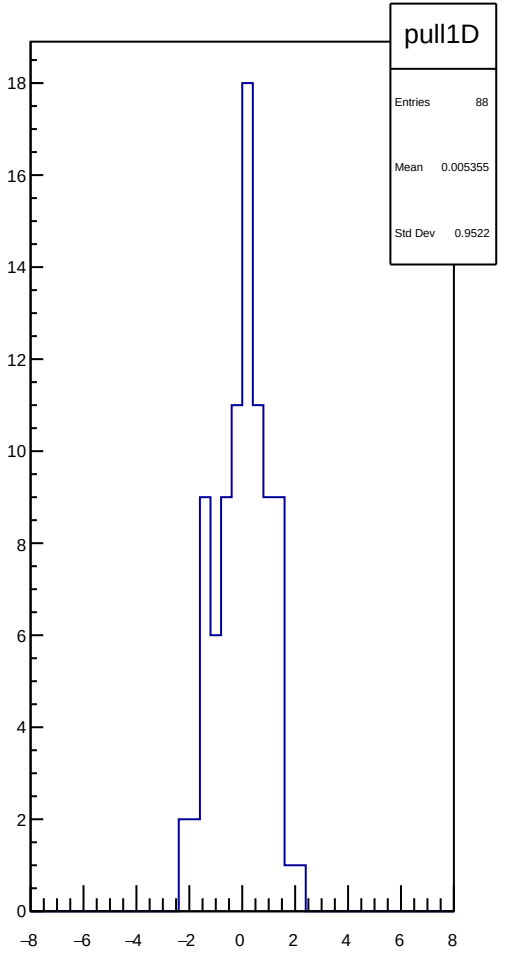

asym_usr_correction_rms vs run
χ² / ndf 3124 / 87
p0 2609 ± 2.008
3100
3000
2900
2800
2700
2600
2500
2400
2300

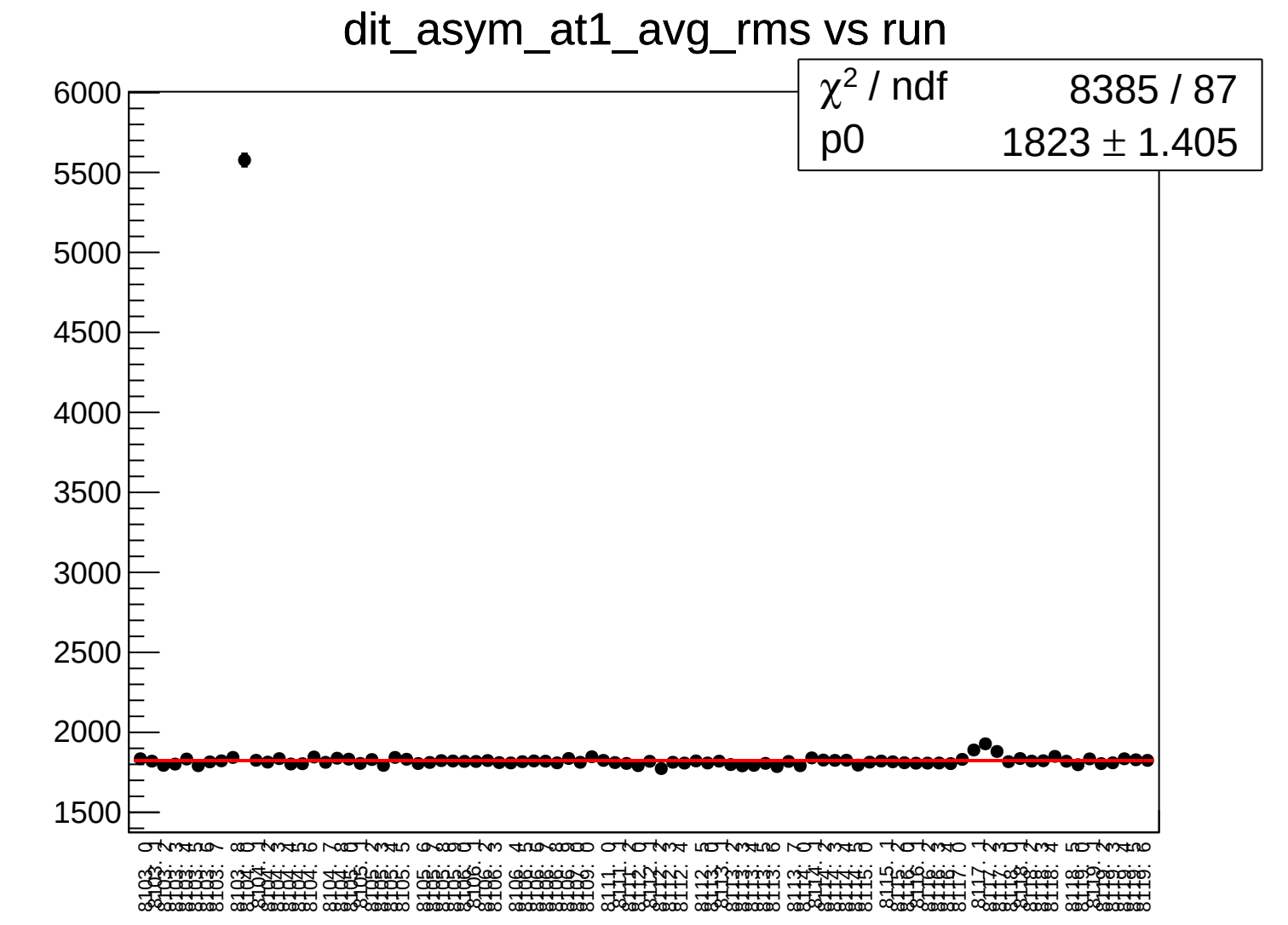

asym_usr_mean vs run
×10^3
χ^2 / ndf 82.84 / 87
p0 −2185 ± 3055
100
50
0
−50
−100
pull
Entries 88
Mean 363
Std Dev 309.7
3
2
1
0
−1
−2

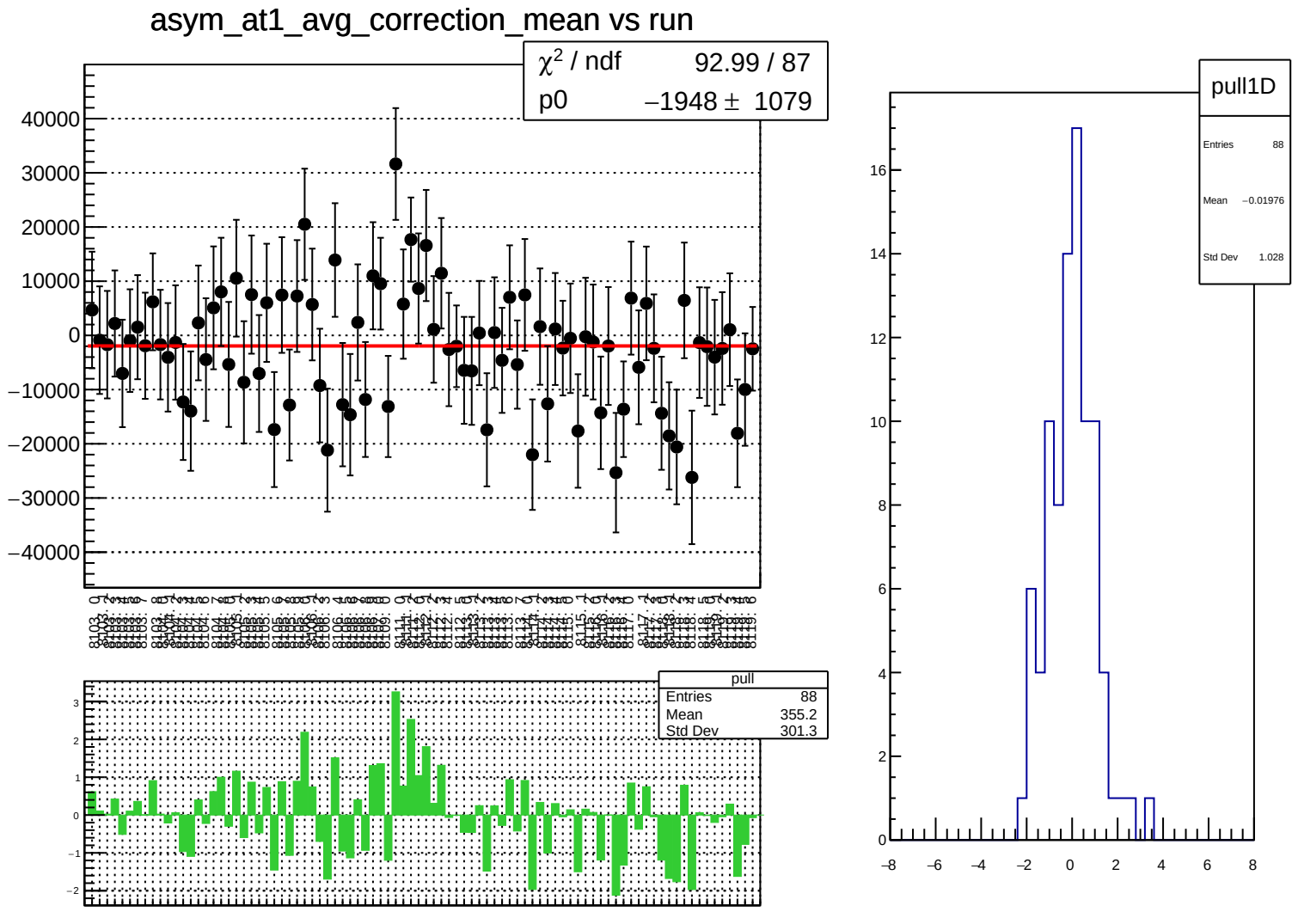

pull1D
Entries 88
Mean −0.01235
Std Dev 0.9702
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

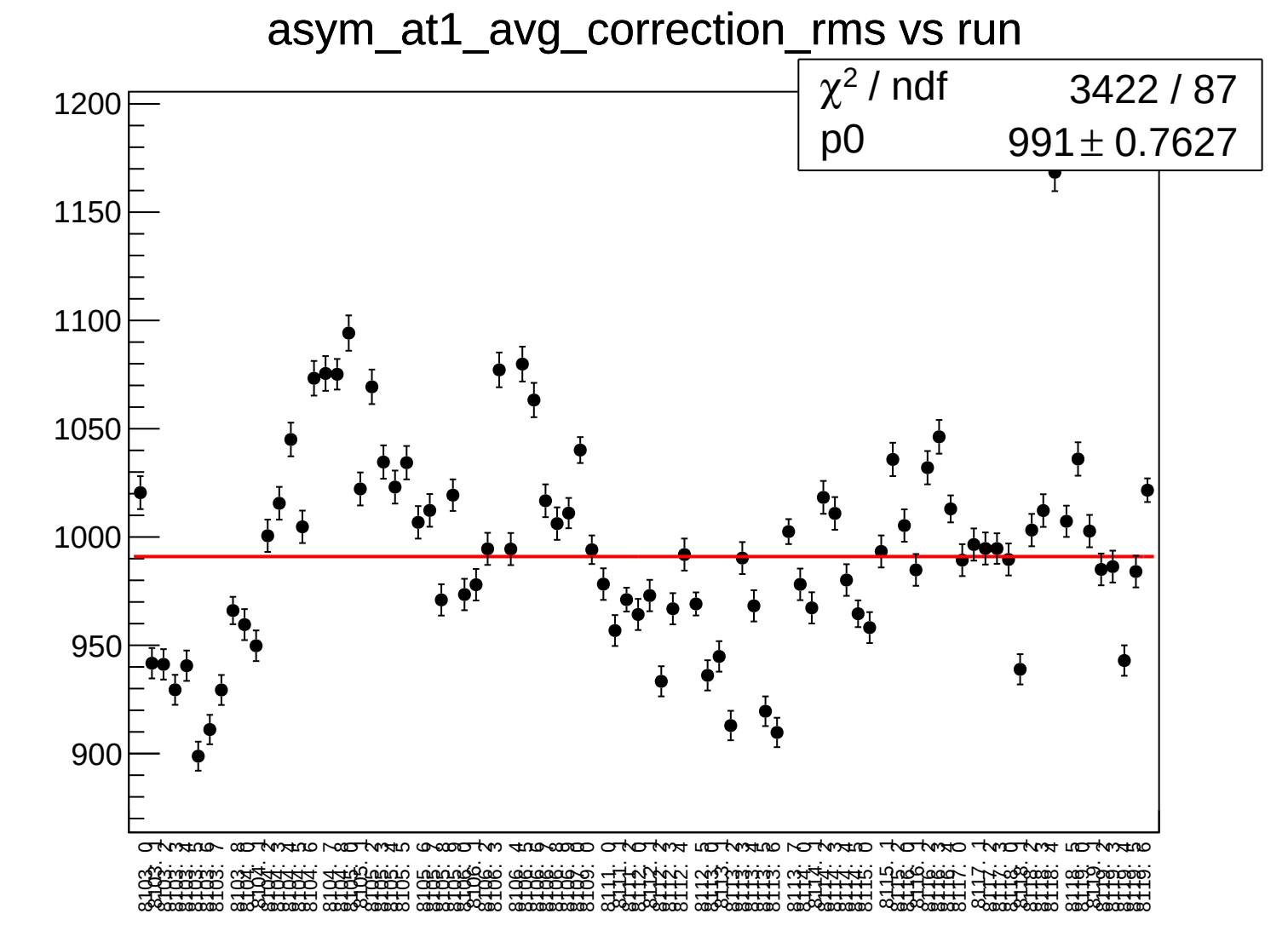

asym_usr_rms vs run
χ² / ndf 2287 / 87
p0 2808 ± 2.16
3300
3200
3100
3000
2900
2800
2700
2600
2500

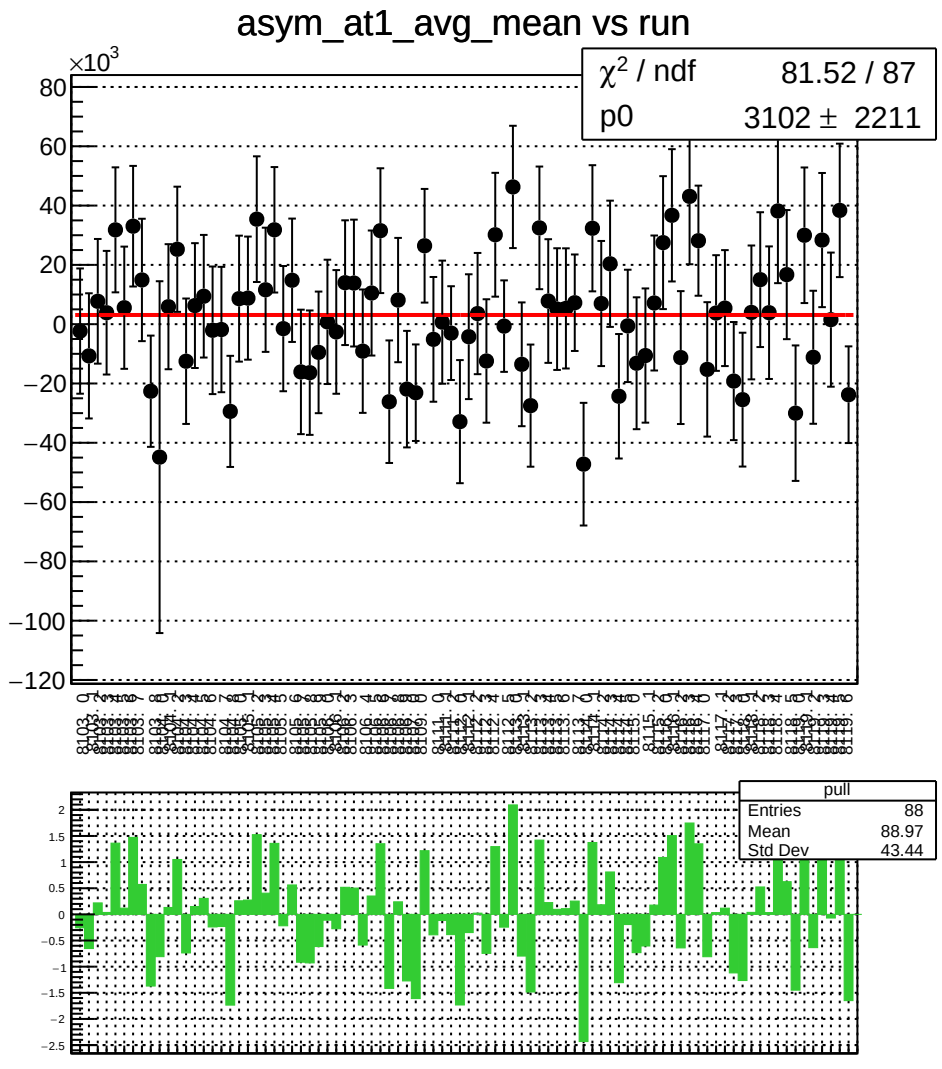

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 79.78 / 87
p0 1183 ± 1987
pull
Entries 88
Mean −421.7
Std Dev 465.8

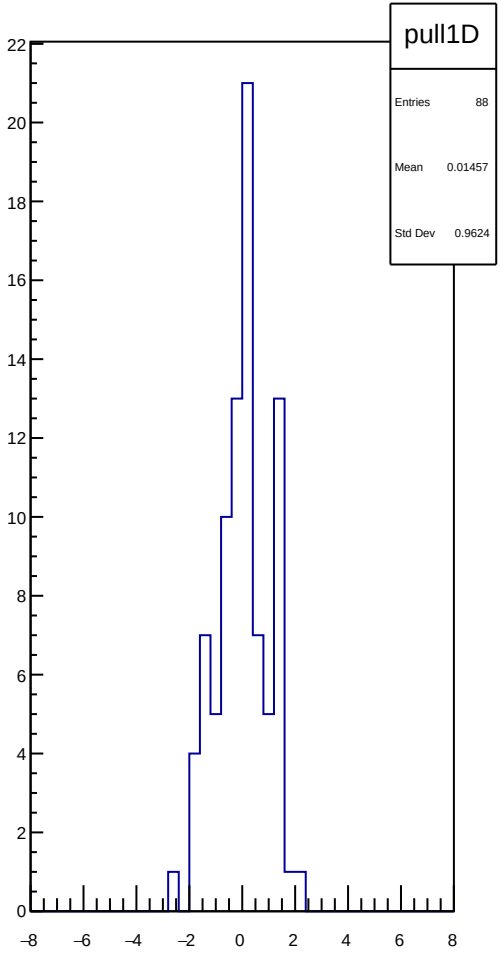

pull1D
Entries 88
Mean 0.005355
Std Dev 0.9522

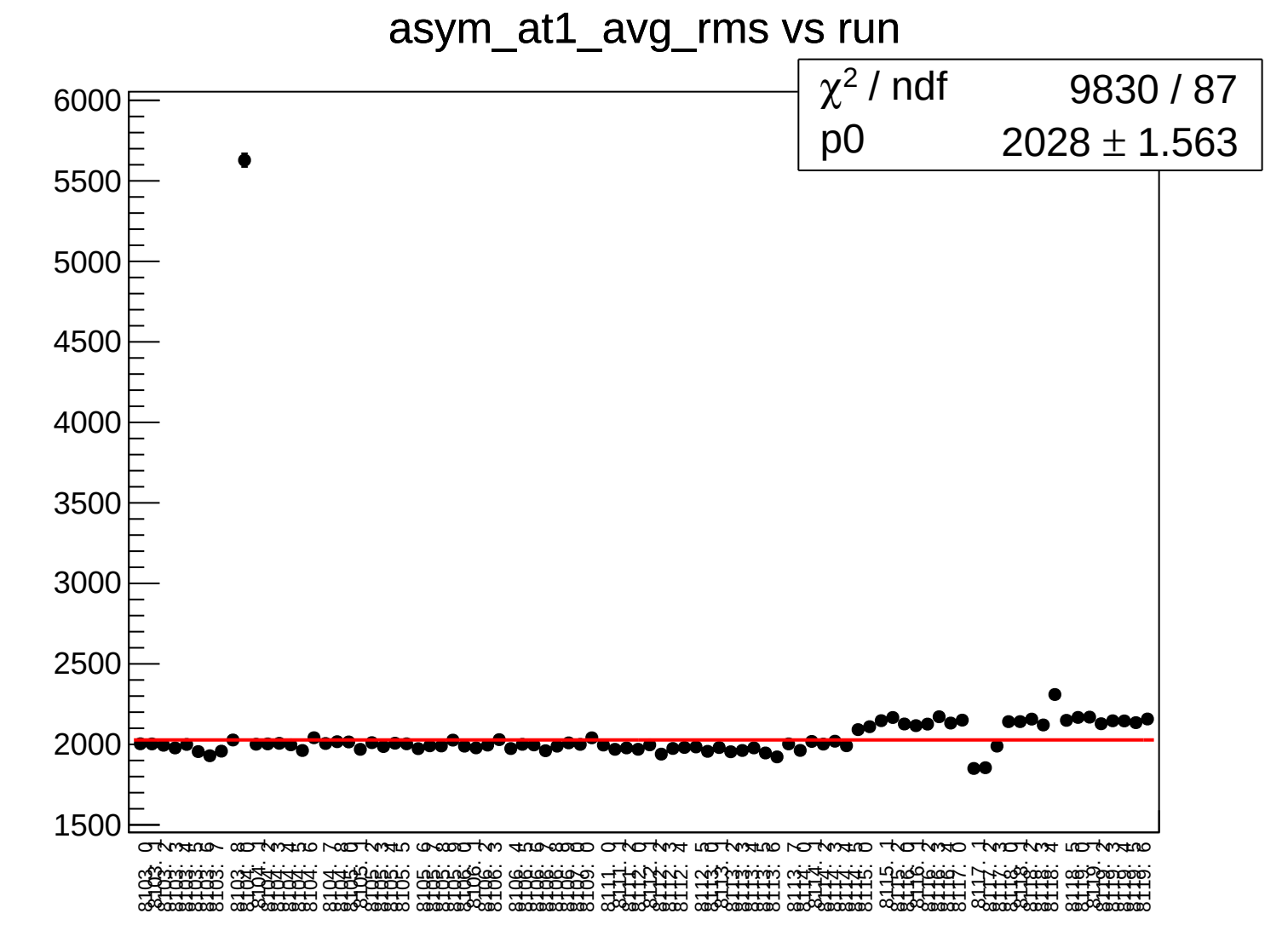

dit_asym_at1_avg_rms vs run
χ^2 / ndf 8385 / 87
p0 1823 ± 1.405
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

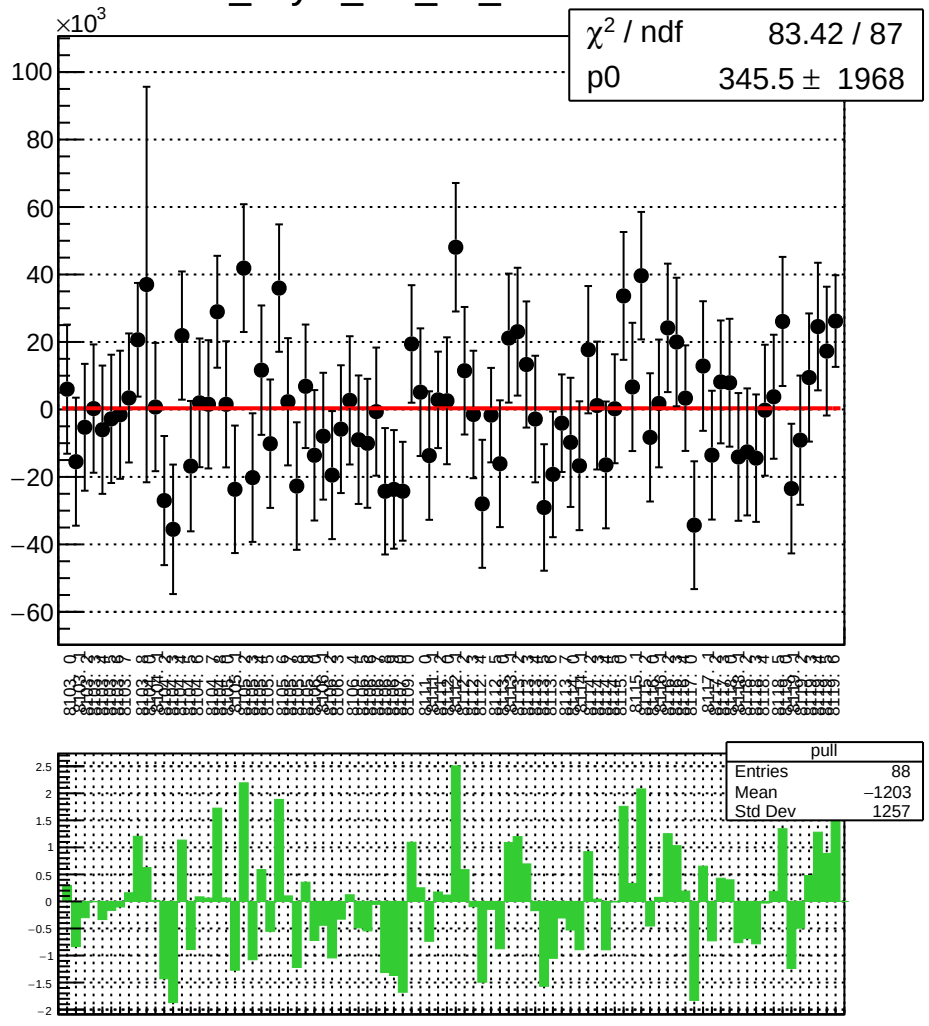

asym_at1_avg_correction_mean vs run
χ² / ndf 92.99 / 87
p0 −1948 ± 1079
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 88
Mean 355.2
Std Dev 301.3
3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.01976
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

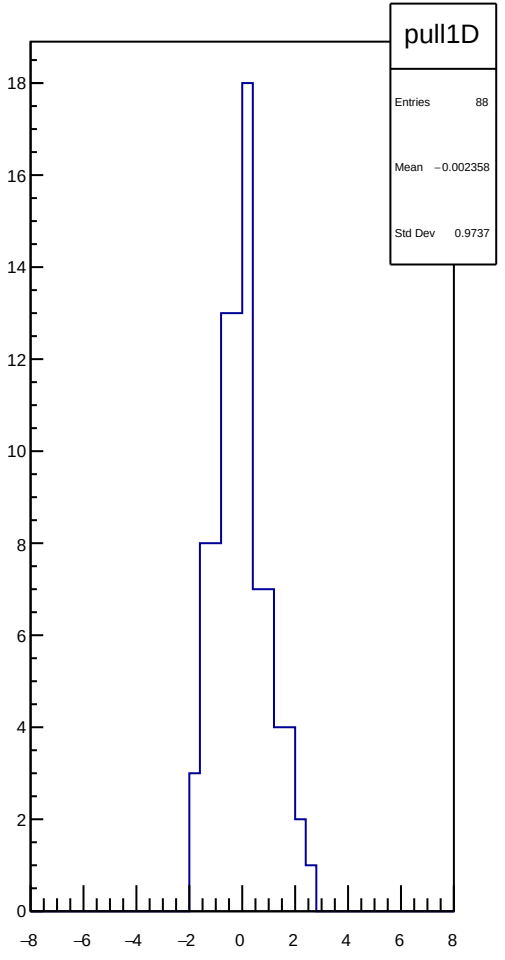

asym_at1_avg_correction_rms vs run
χ² / ndf 3422 / 87
p0 991 ± 0.7627
1200
1150
1100
1050
1000
950
900

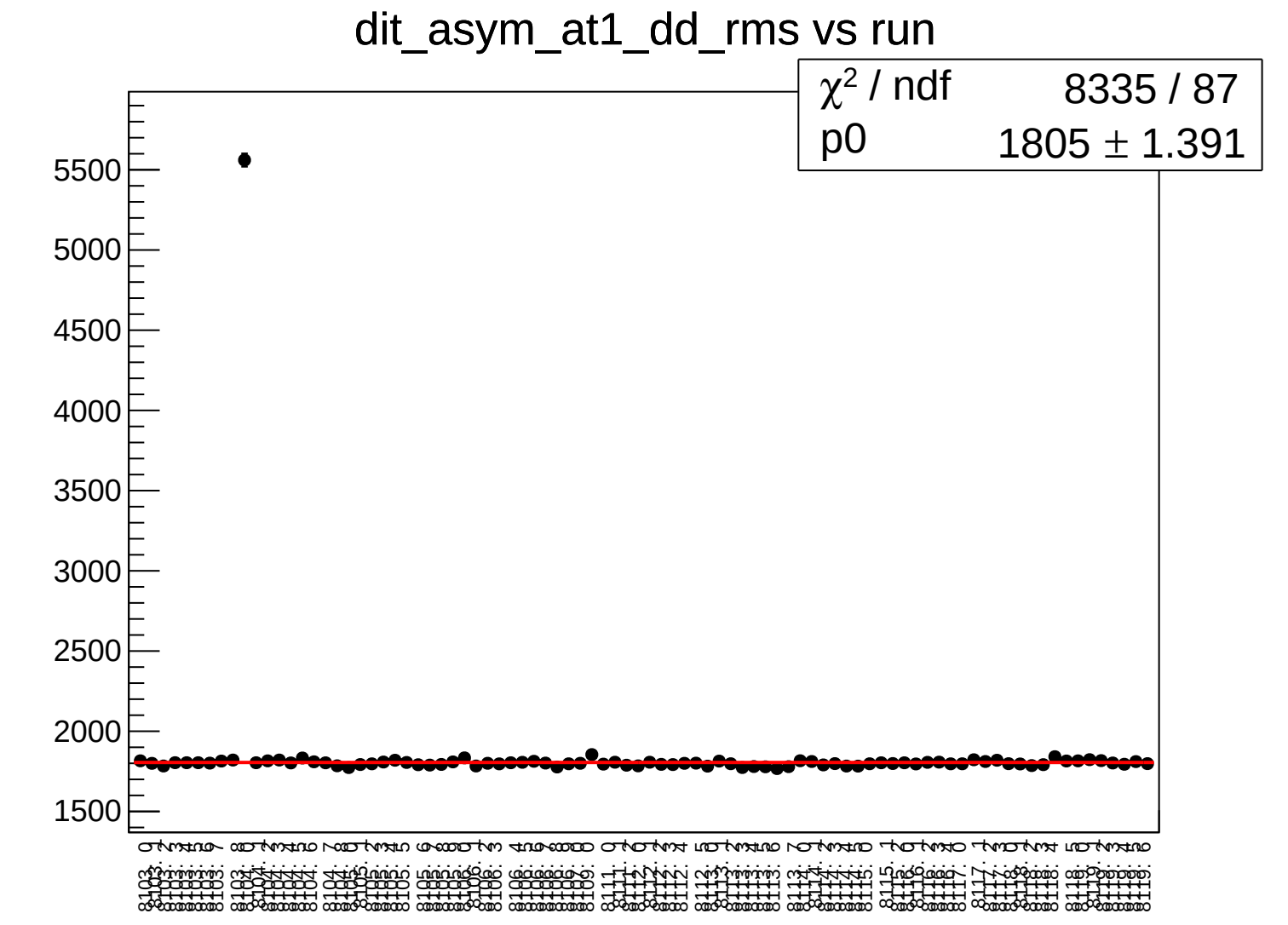

asym_at1_avg_mean vs run
×10^3
χ² / ndf 81.52 / 87
p0 3102 ± 2211
pull
Entries 88
Mean 88.97
Std Dev 43.44

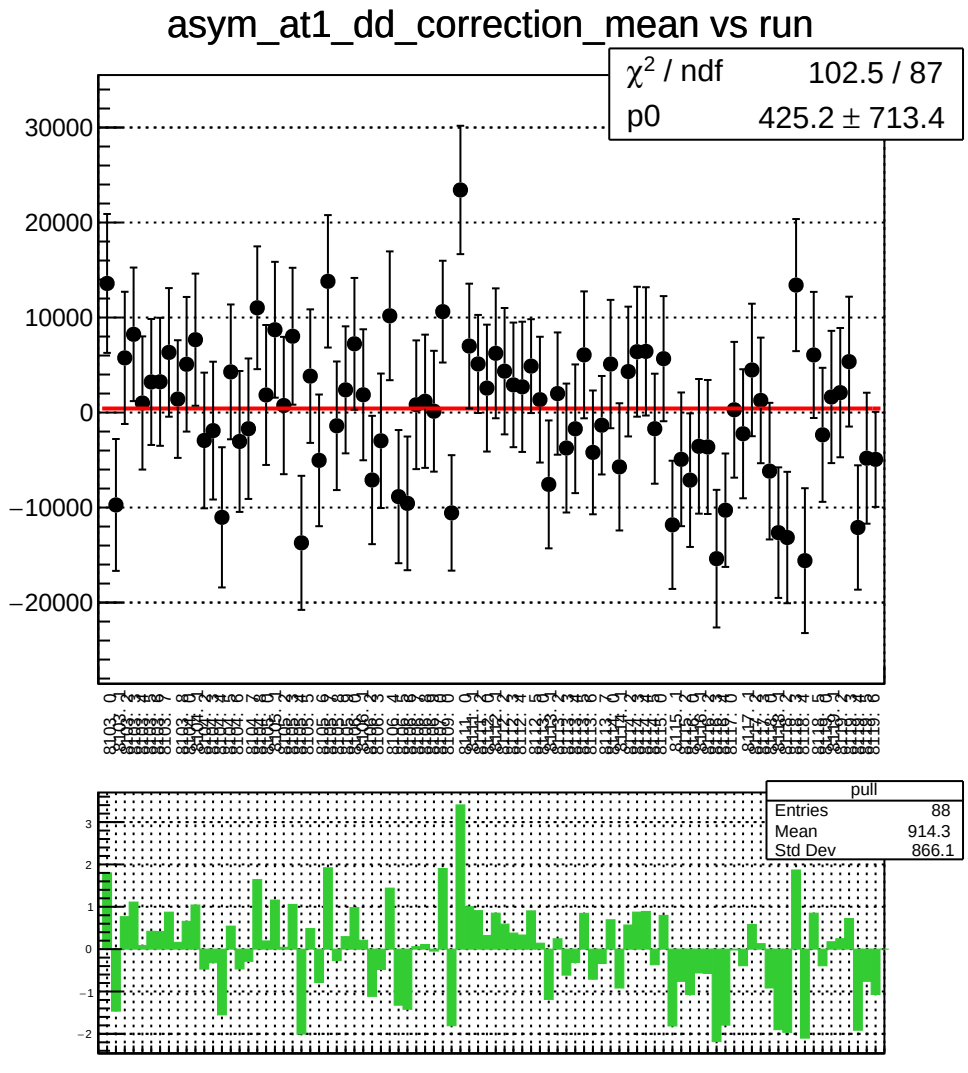

pull1D
Entries 88
Mean 0.01457
Std Dev 0.9624

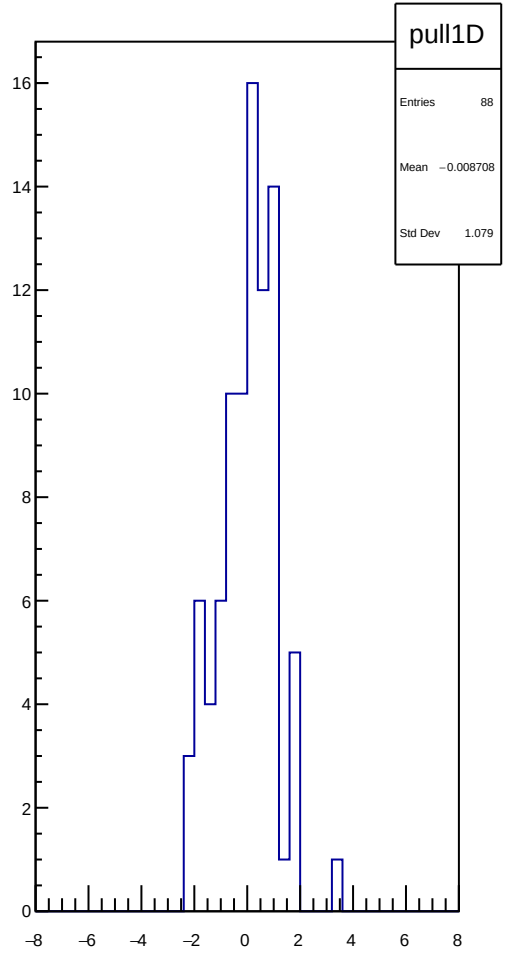

asym_at1_avg_rms vs run
χ^2 / ndf 9830 / 87
p0 2028 ± 1.563
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

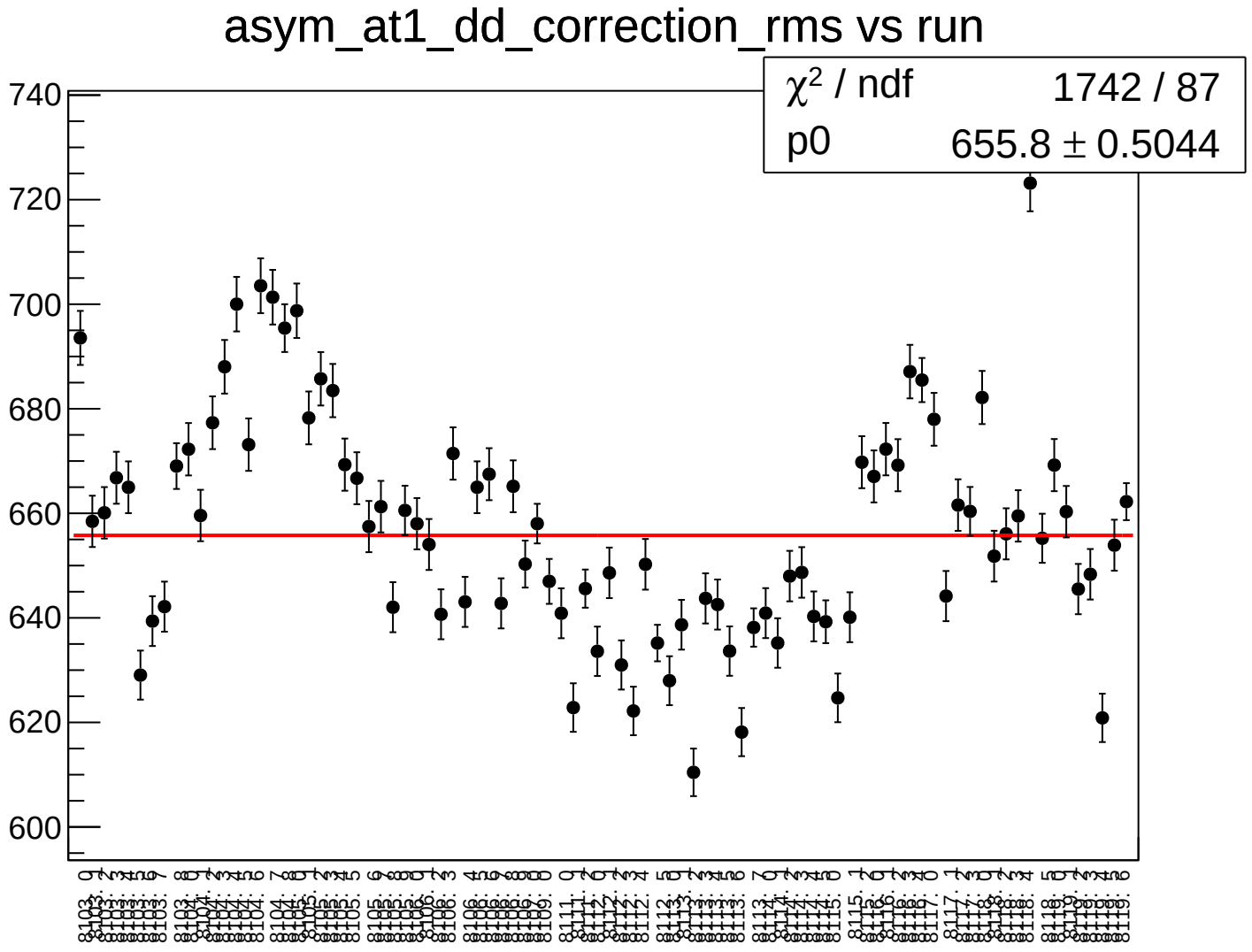

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 83.42 / 87
p0 345.5 ± 1968
pull
Entries 88
Mean −1203
Std Dev 1257

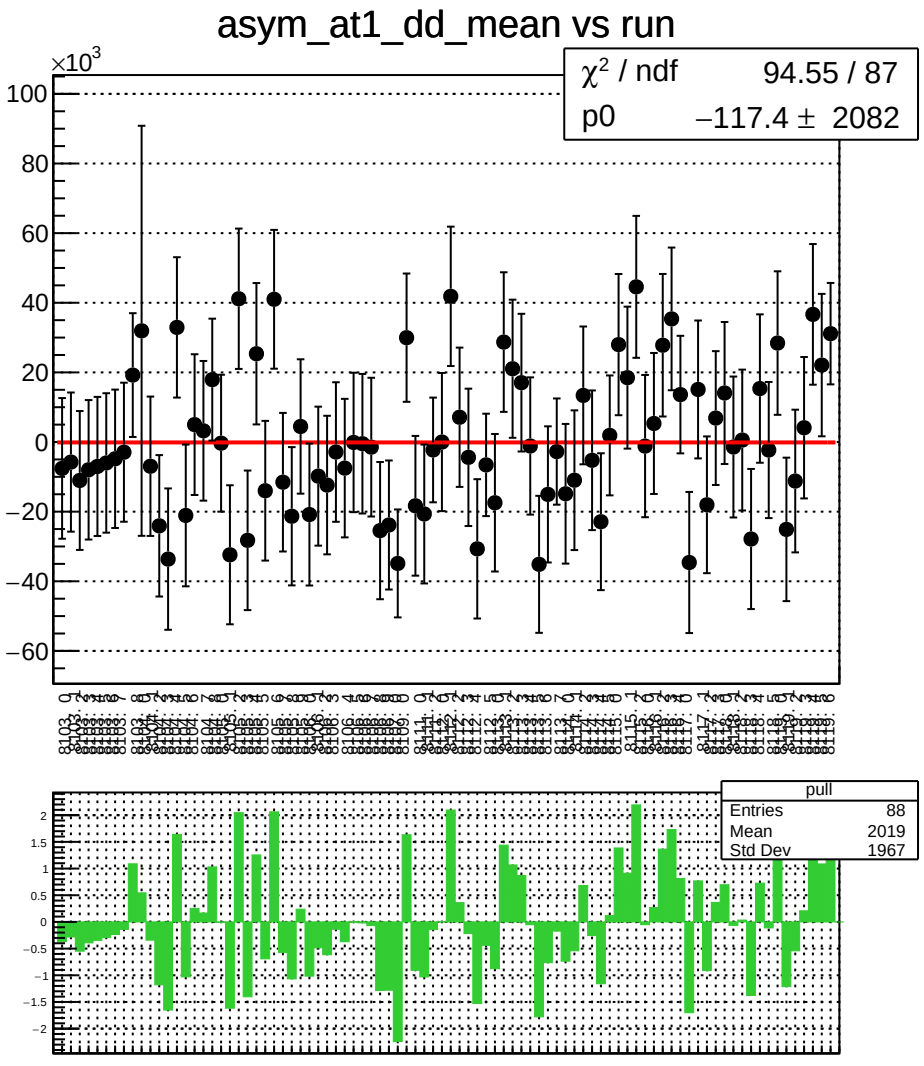

pull1D
Entries 88
Mean −0.002358
Std Dev 0.9737

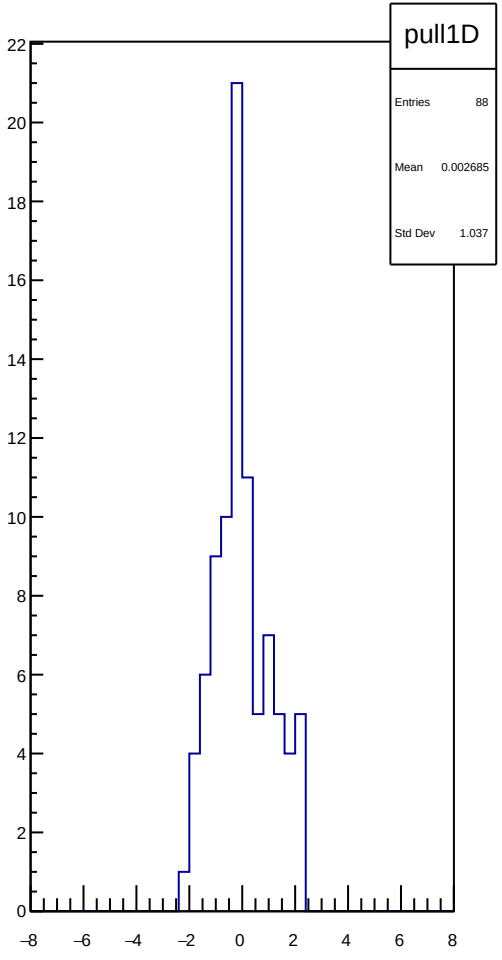

dit_asym_at1_dd_rms vs run
χ^2 / ndf 8335 / 87
p0 1805 ± 1.391
5500
5000
4500
4000
3500
3000
2500
2000
1500

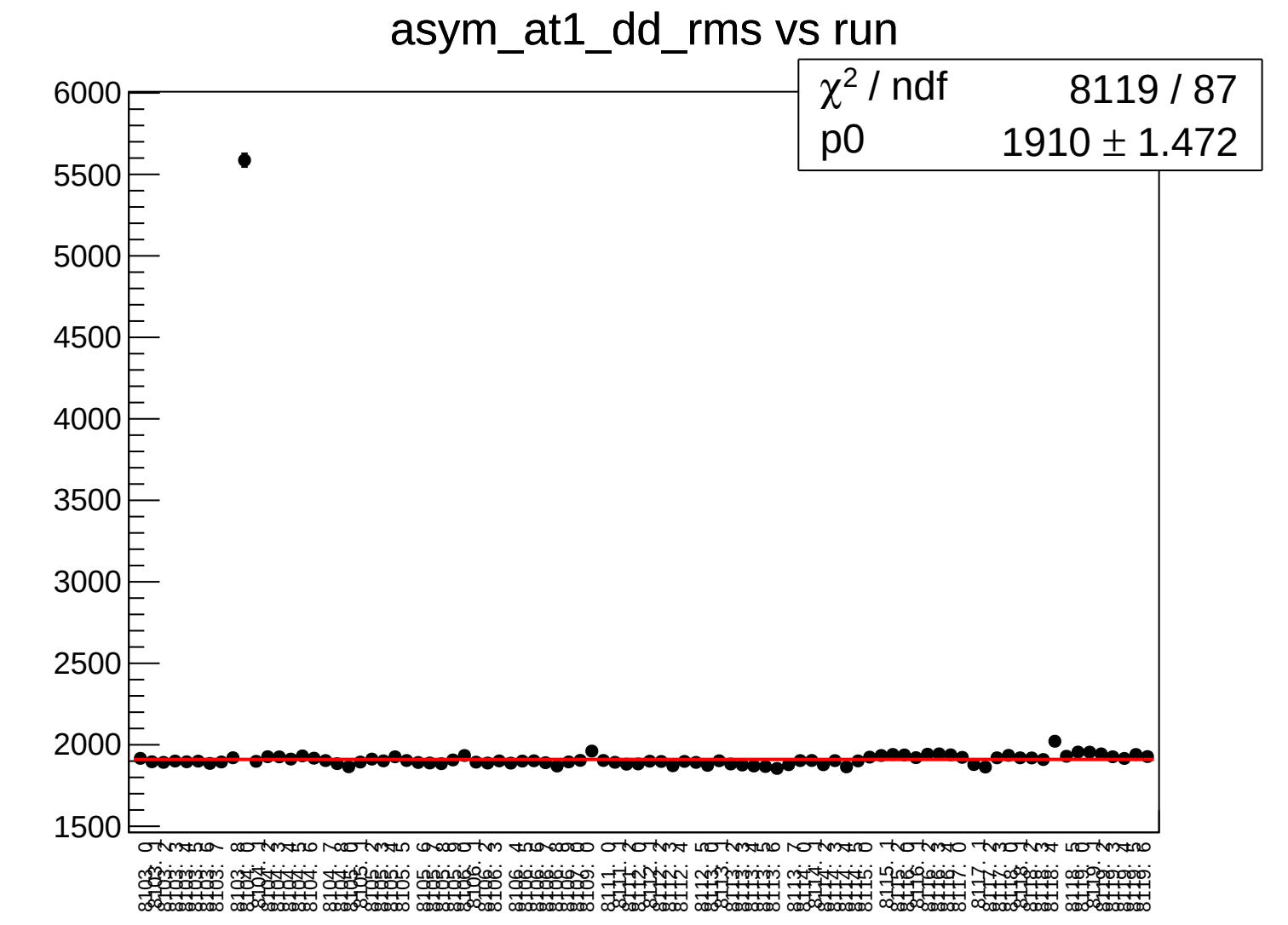

asym_at1_dd_correction_mean vs run
χ² / ndf 102.5 / 87
p0 425.2 ± 713.4
30000
20000
10000
0
−10000
−20000
pull
Entries 88
Mean 914.3
Std Dev 866.1
3
2
1
0
−1
−2

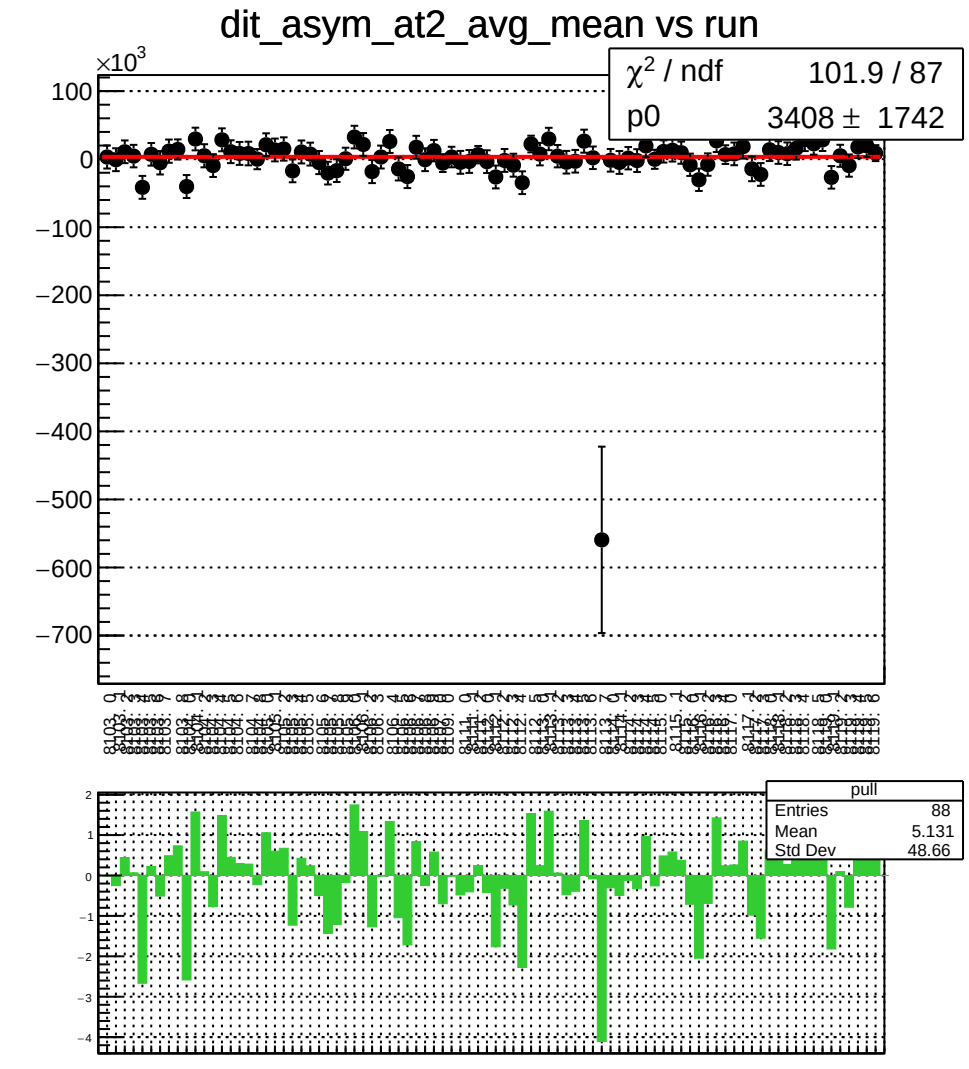

pull1D
Entries 88
Mean −0.008708
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

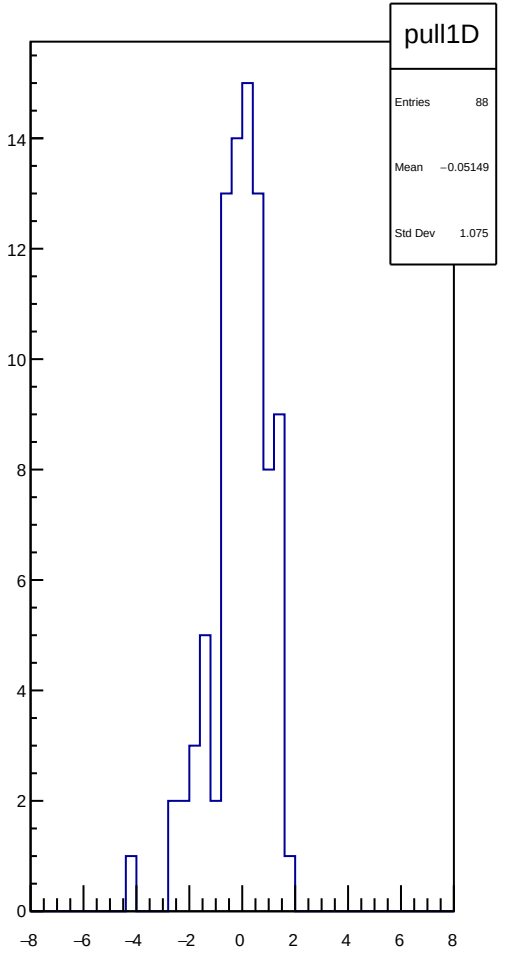

asym_at1_dd_correction_rms vs run
χ² / ndf 1742 / 87
p0 655.8 ± 0.5044
740
720
700
680
660
640
620
600

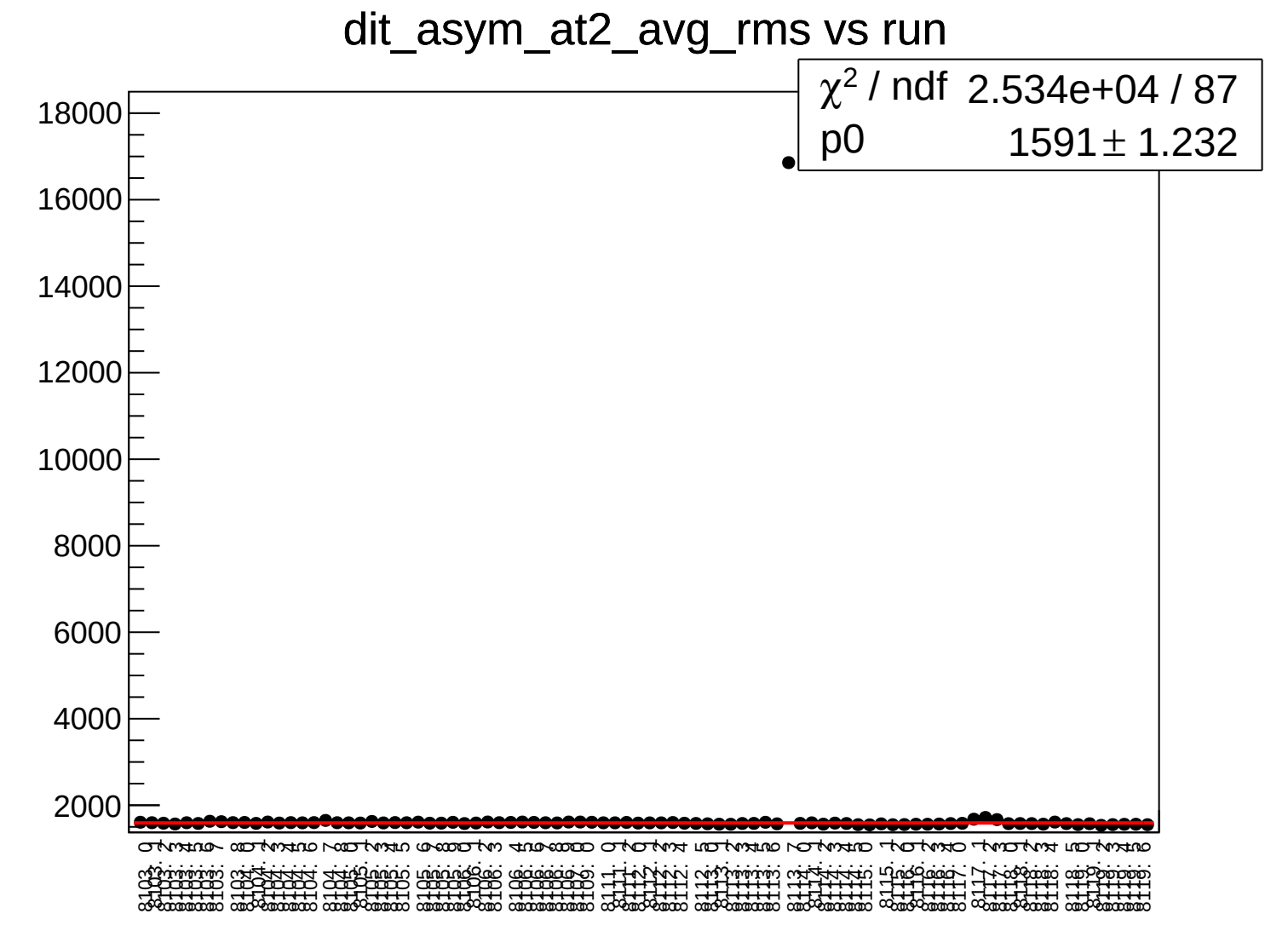

asym_at1_dd_mean vs run
×10^3
χ² / ndf 94.55 / 87
p0 −117.4 ± 2082
pull
Entries 88
Mean 2019
Std Dev 1967

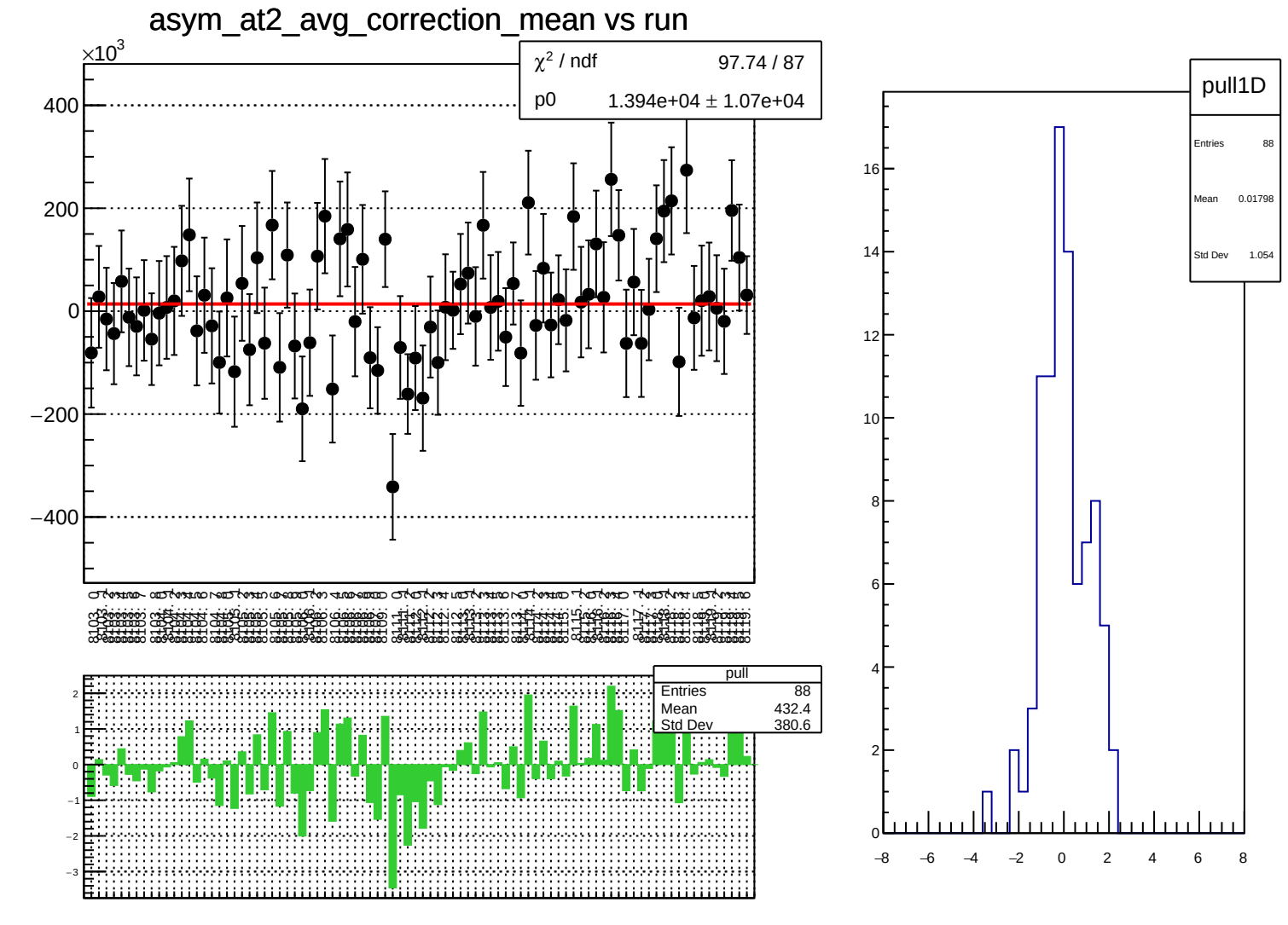

pull1D
Entries 88
Mean 0.002685
Std Dev 1.037

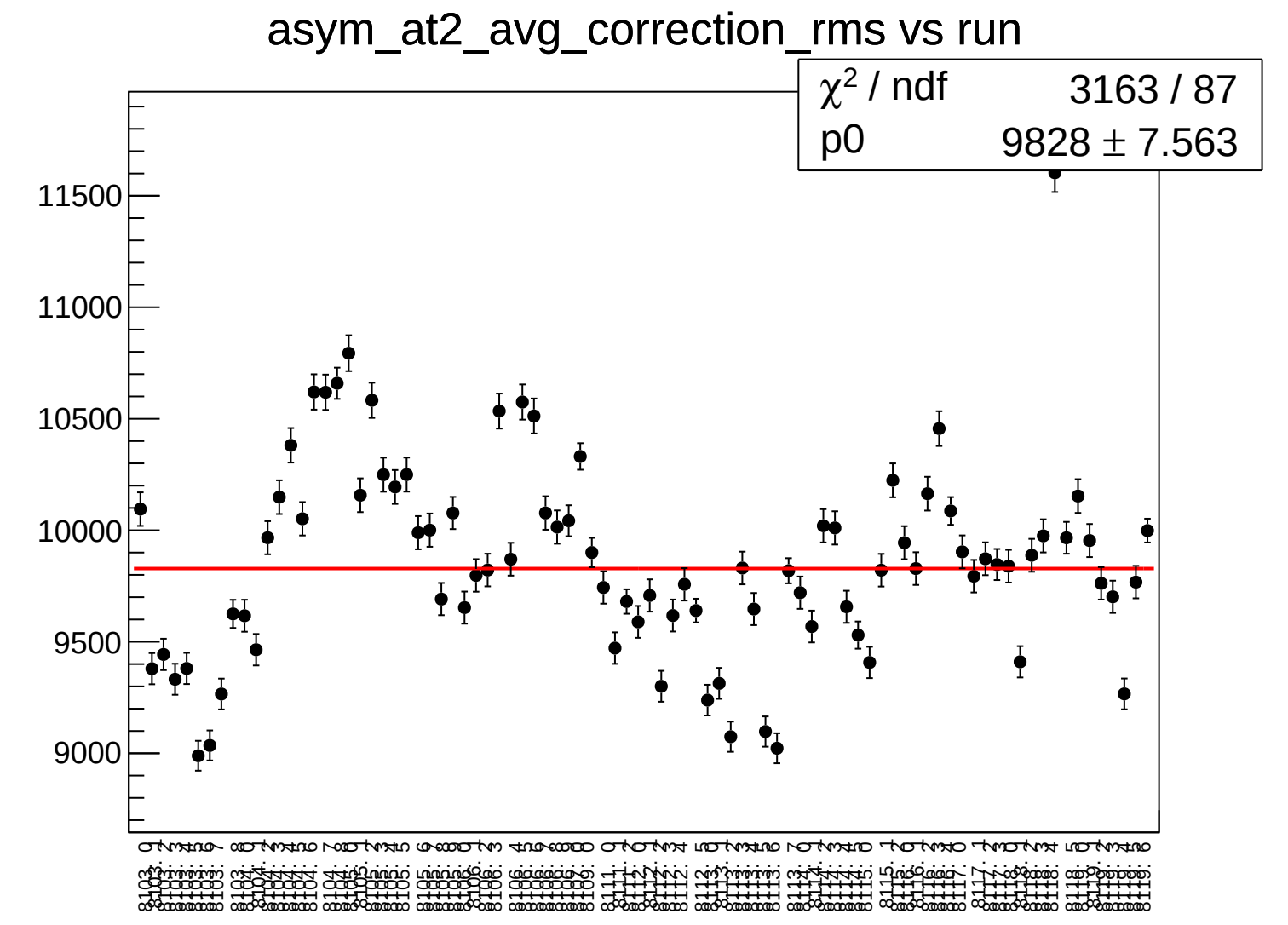

asym_at1_dd_rms vs run
χ^2 / ndf 8119 / 87
p0 1910 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

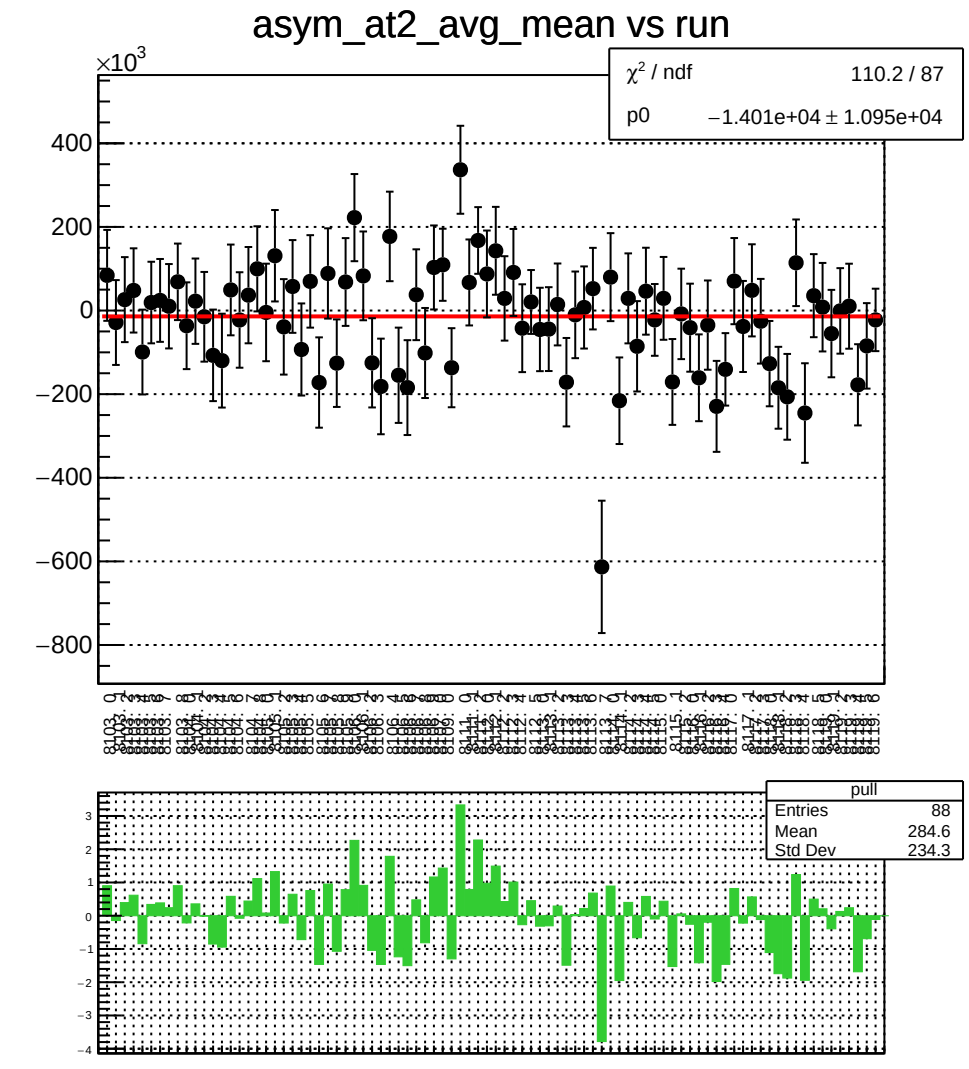

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 101.9 / 87
p0 3408 ± 1742
pull
Entries 88
Mean 5.131
Std Dev 48.66

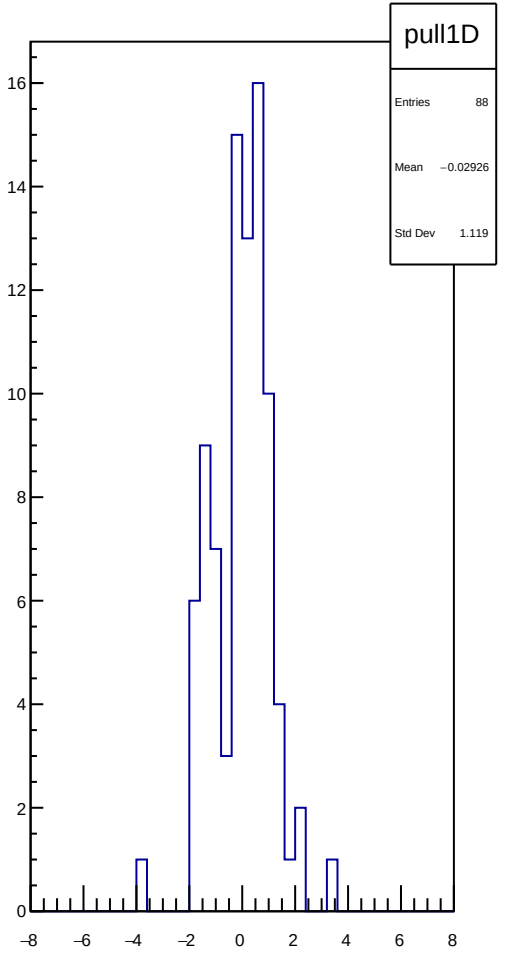

pull1D
Entries 88
Mean −0.05149
Std Dev 1.075

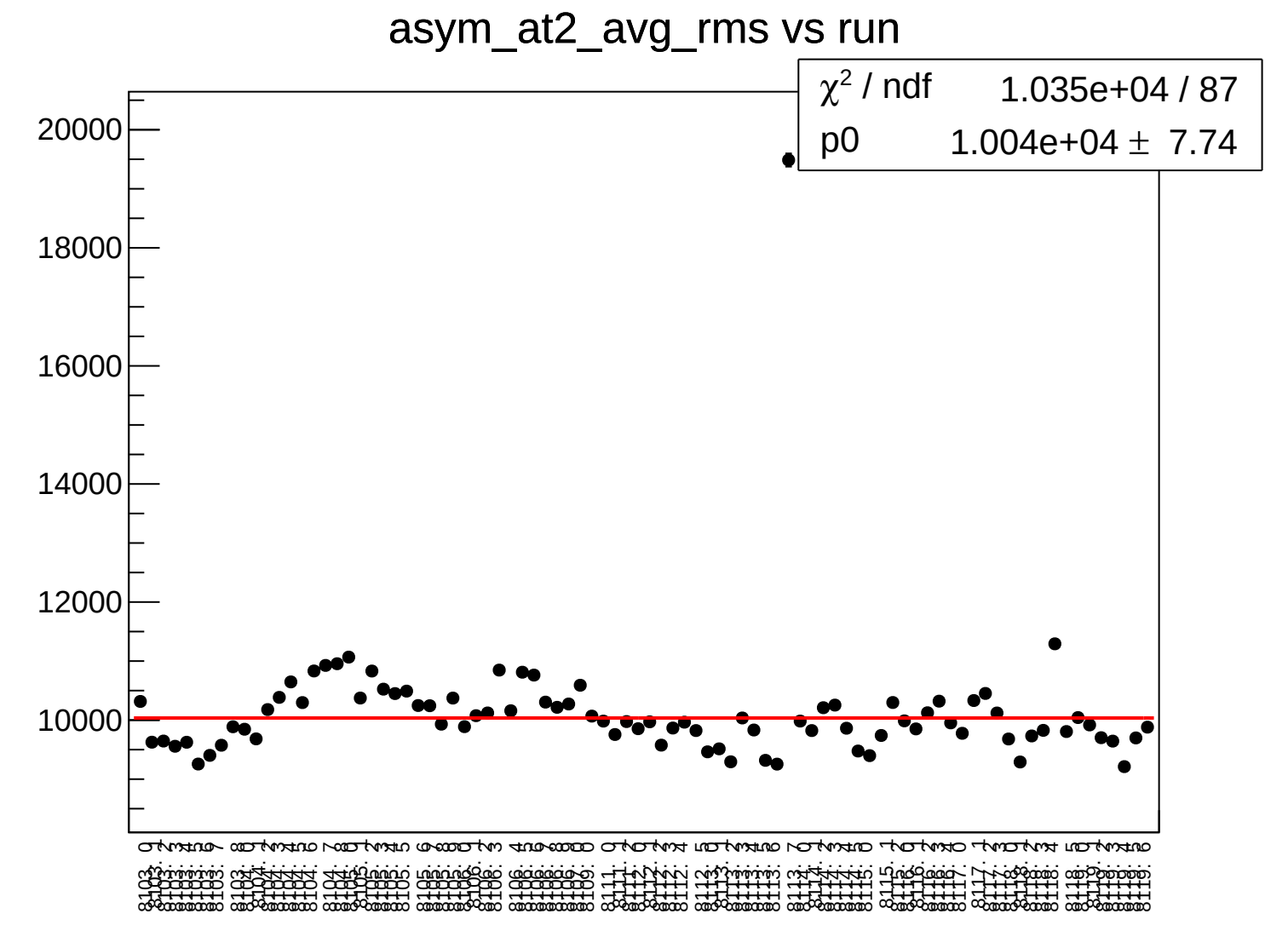

dit_asym_at2_avg_rms vs run
χ² / ndf 2.534e+04 / 87
p0 1591 ± 1.232
18000
16000
14000
12000
10000
8000
6000
4000
2000

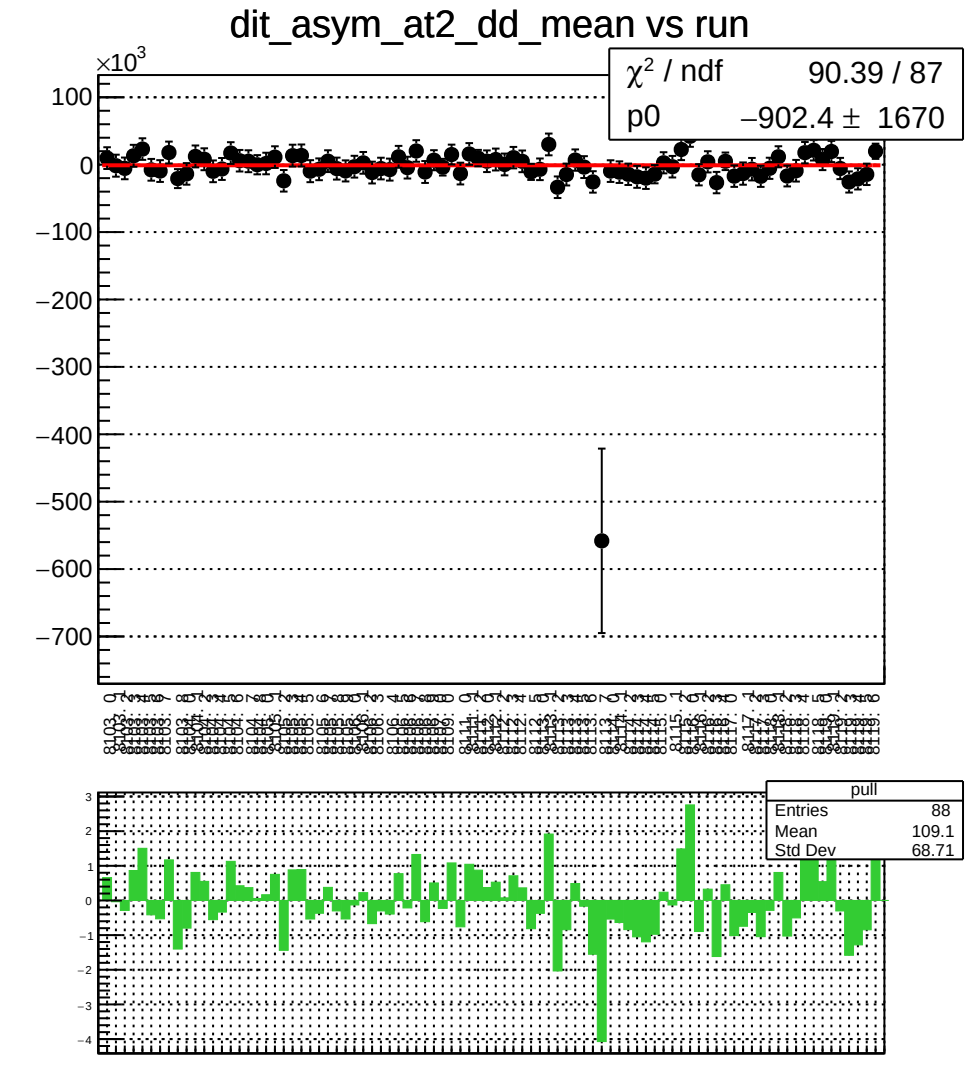

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 97.74 / 87
p0 1.394e+04 ± 1.07e+04
400
200
0
−200
−400
pull
Entries 88
Mean 432.4
Std Dev 380.6
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01798
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

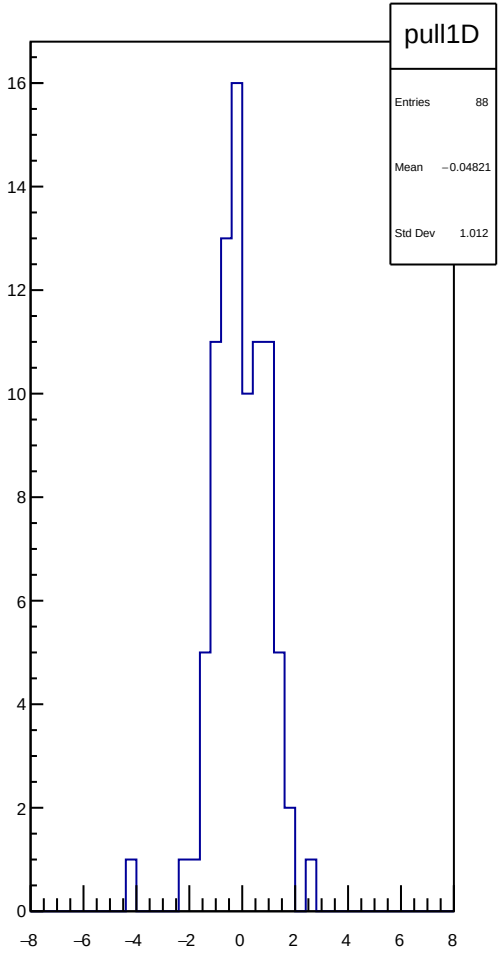

asym_at2_avg_correction_rms vs run
χ^2 / ndf 3163 / 87
p0 9828 ± 7.563
11500
11000
10500
10000
9500
9000

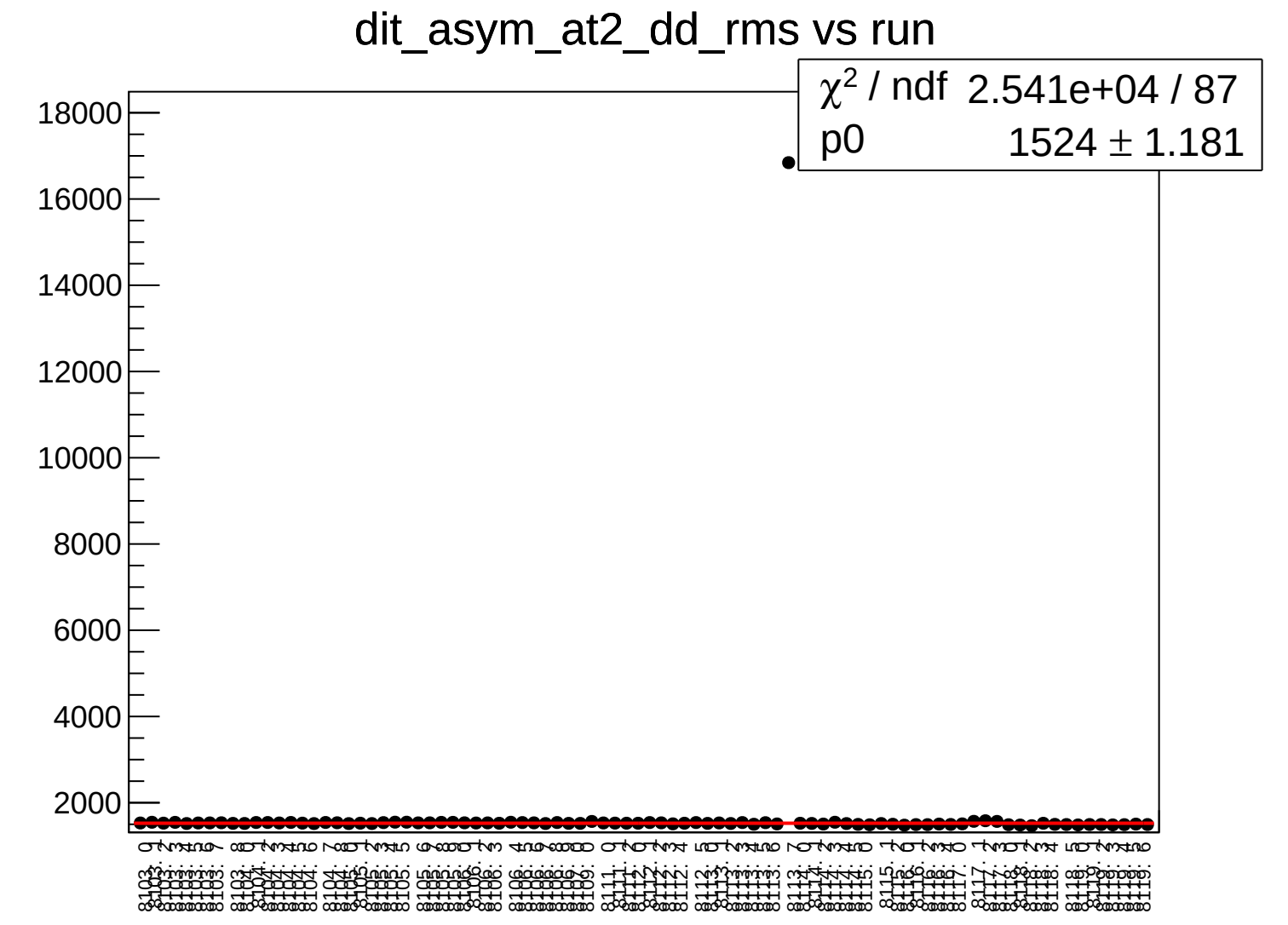

asym_at2_avg_mean vs run
×10^3
χ² / ndf 110.2 / 87
p0 −1.401e+04 ± 1.095e+04
400
200
0
−200
−400
−600
−800
pull
Entries 88
Mean 284.6
Std Dev 234.3
3
2
1
0
−1
−2
−3
−4

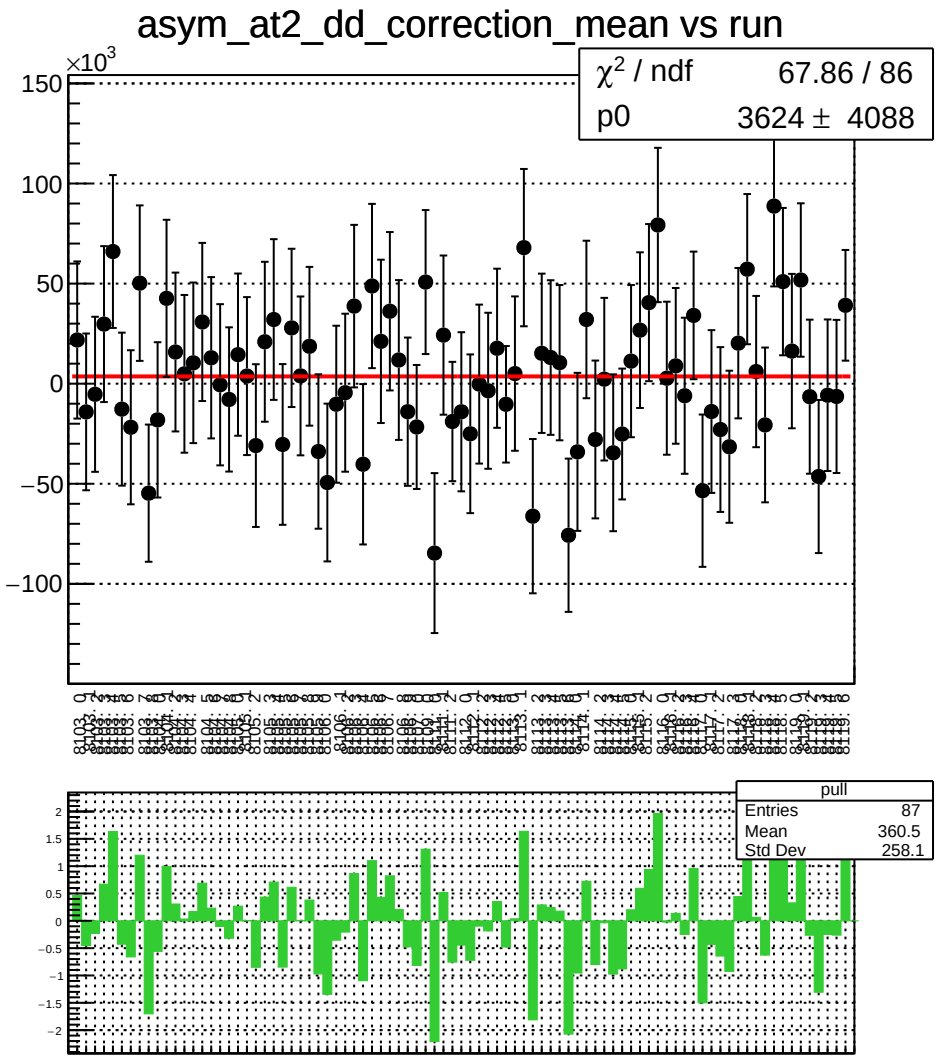

pull1D
Entries 88
Mean −0.02926
Std Dev 1.119
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

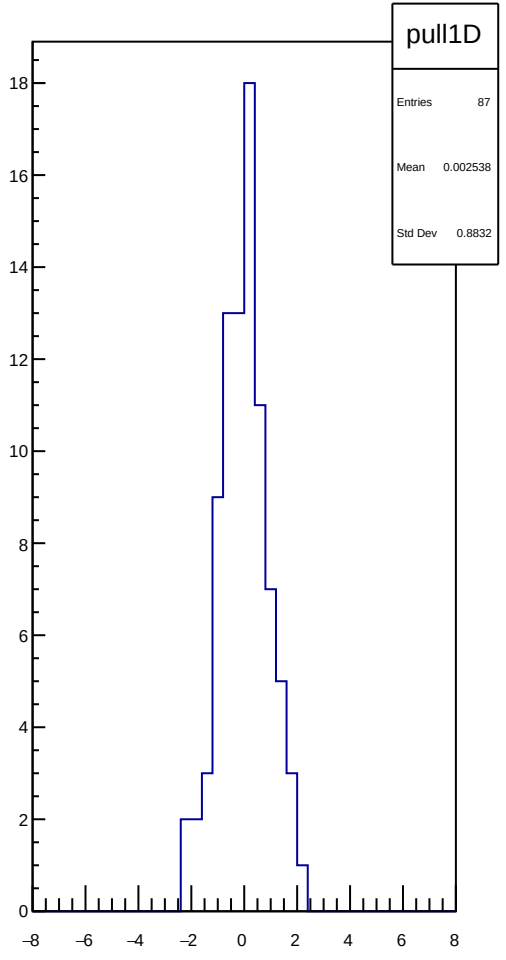

asym_at2_avg_rms vs run
χ^2 / ndf 1.035e+04 / 87
p0 1.004e+04 ± 7.74
20000
18000
16000
14000
12000
10000

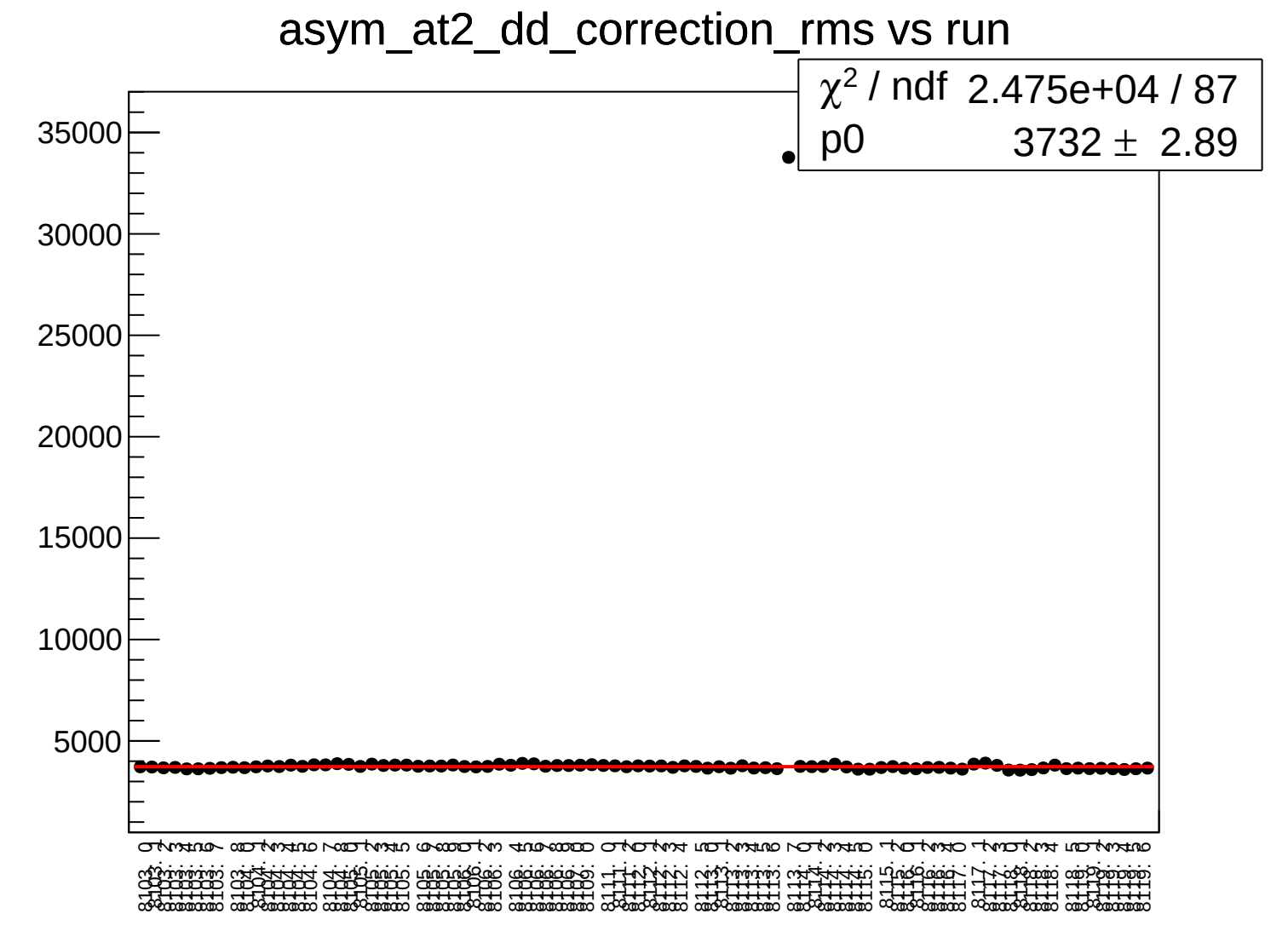

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 90.39 / 87
p0 −902.4 ± 1670
pull
Entries 88
Mean 109.1
Std Dev 68.71

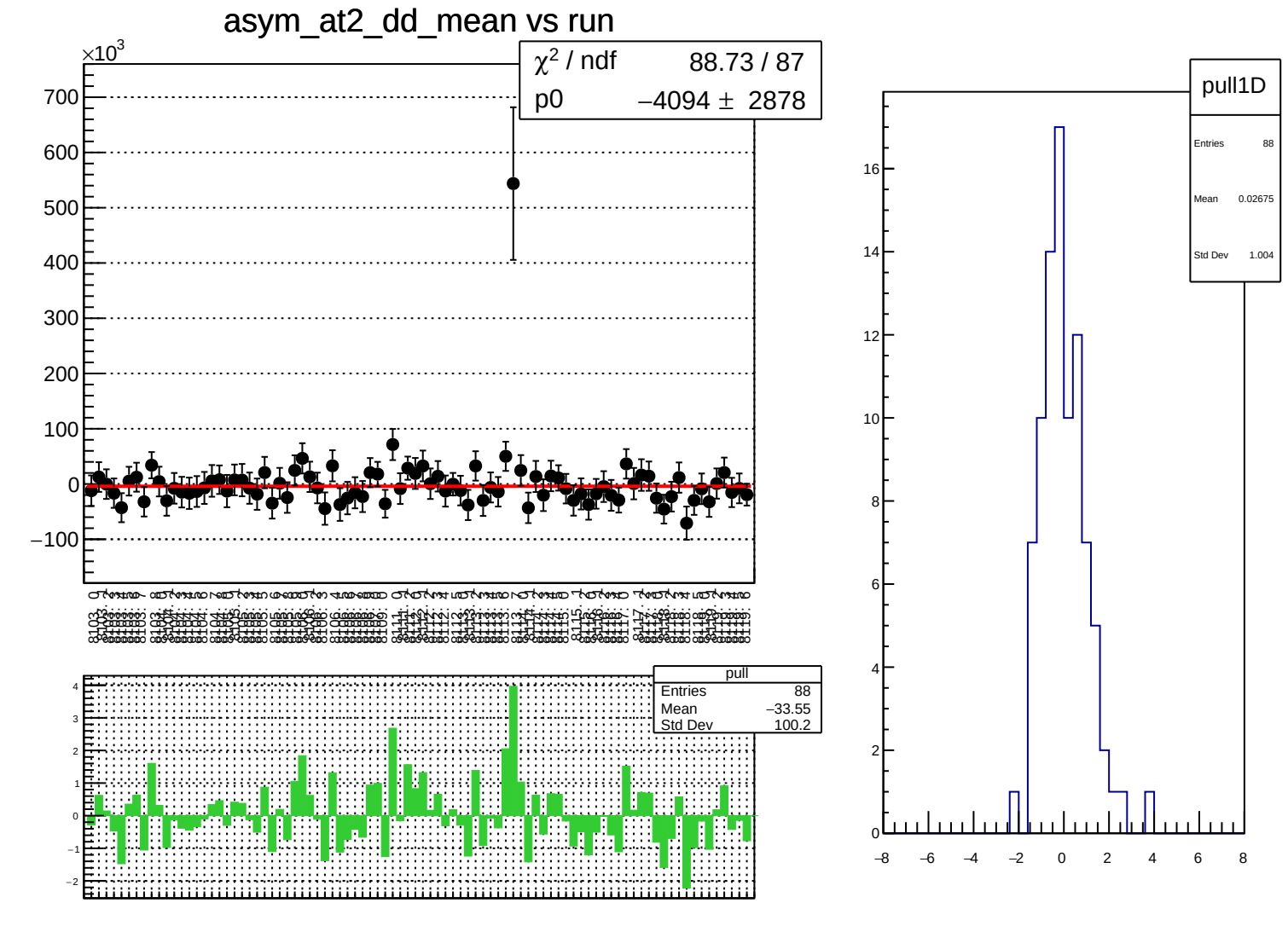

pull1D
Entries 88
Mean −0.04821
Std Dev 1.012

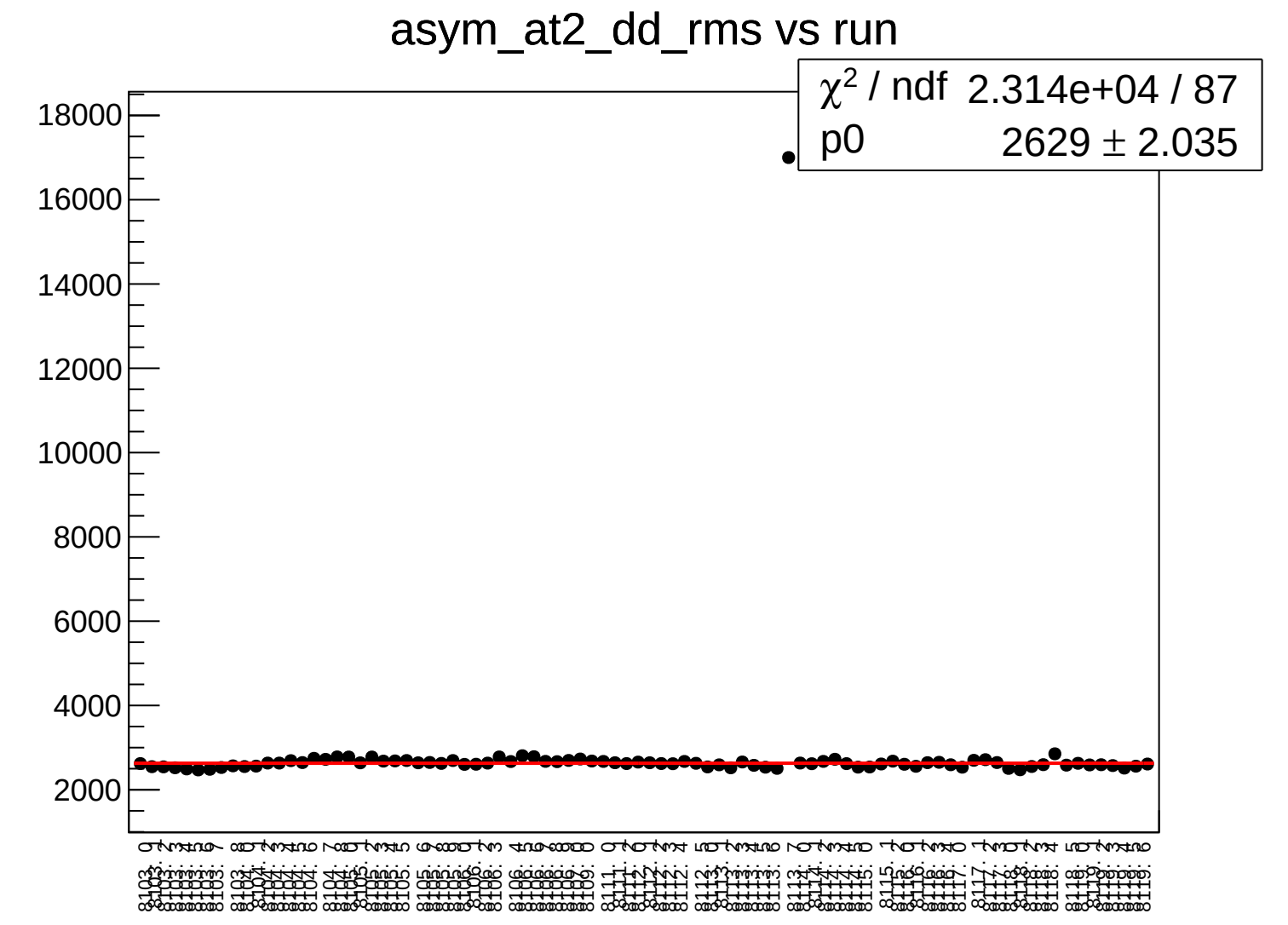

dit_asym_at2_dd_rms vs run
χ^2 / ndf 2.541e+04 / 87
p0 1524 ± 1.181
18000
16000
14000
12000
10000
8000
6000
4000
2000

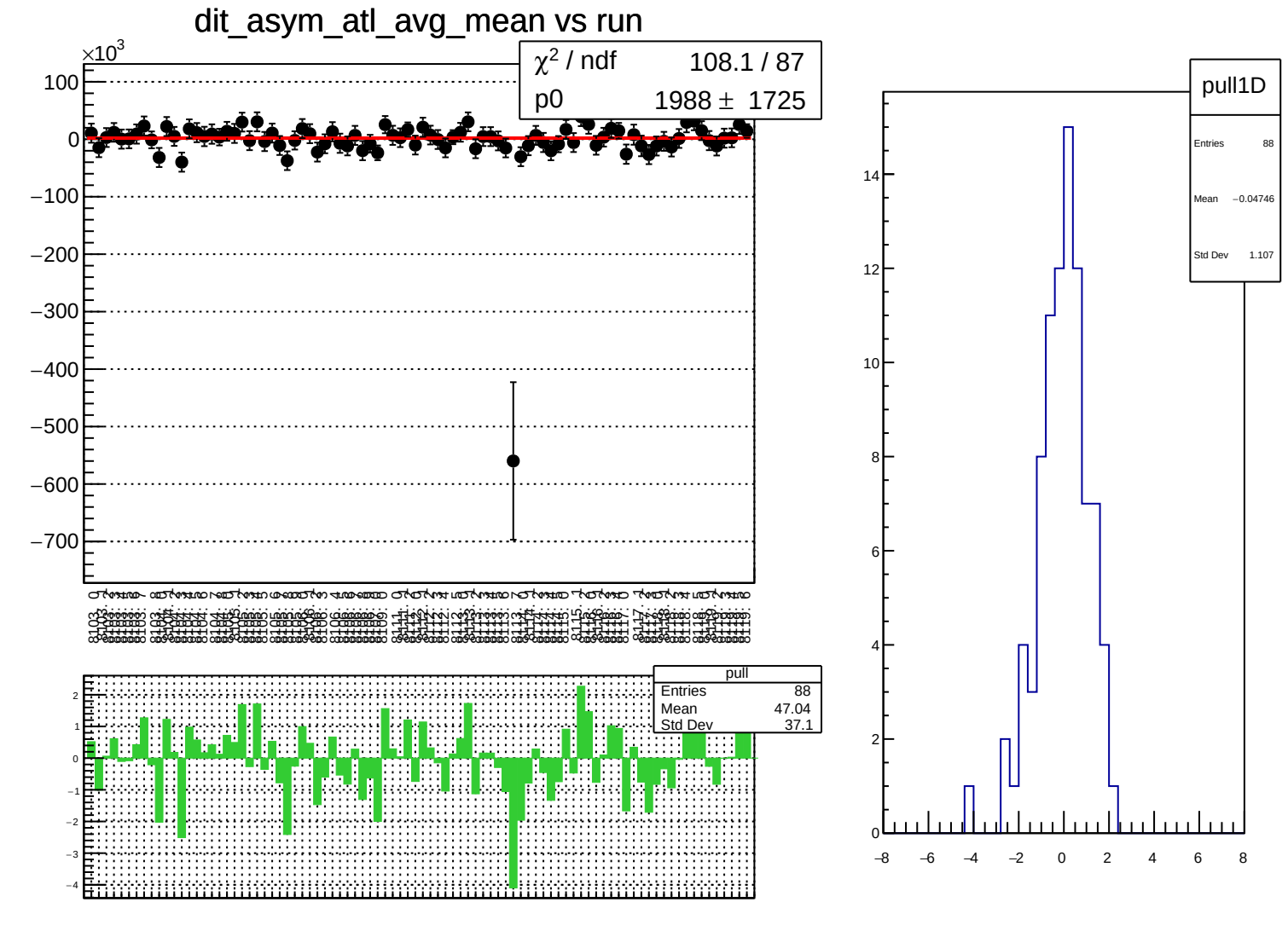

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 67.86 / 86
p0 3624 ± 4088
150
100
50
0
−50
−100
pull
Entries 87
Mean 360.5
Std Dev 258.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

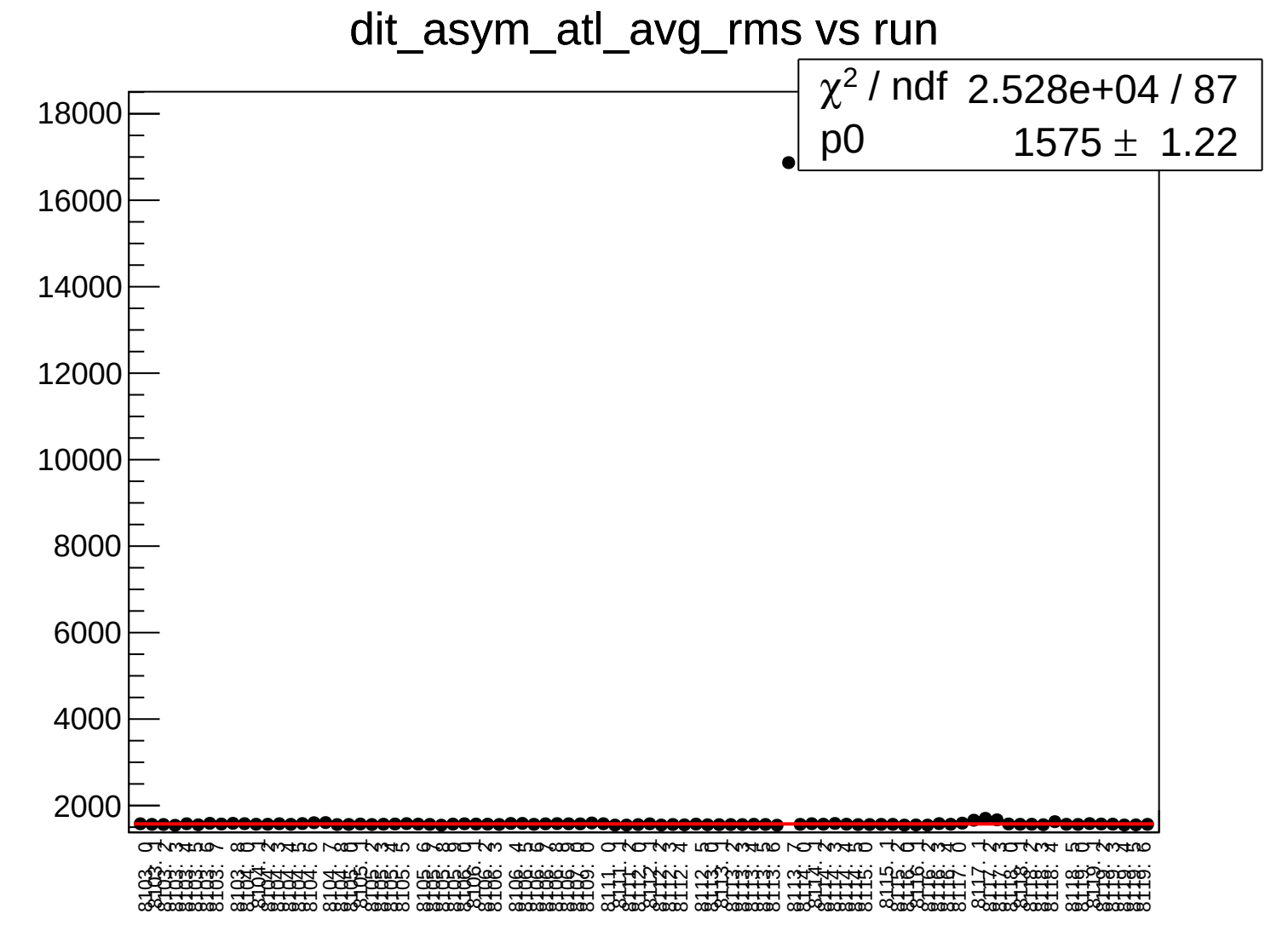

pull1D
Entries 87
Mean 0.002538
Std Dev 0.8832
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

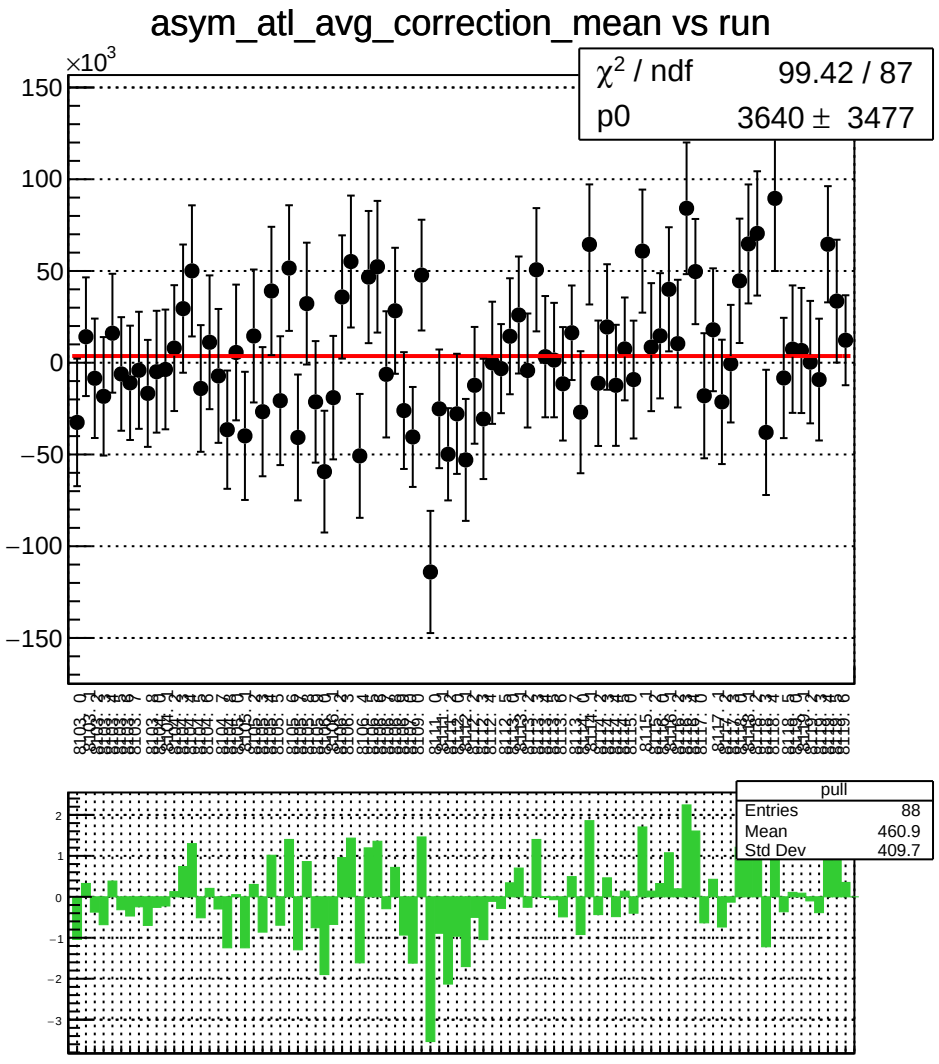

asym_at2_dd_correction_rms vs run
χ² / ndf 2.475e+04 / 87
p0 3732 ± 2.89
35000
30000
25000
20000
15000
10000
5000

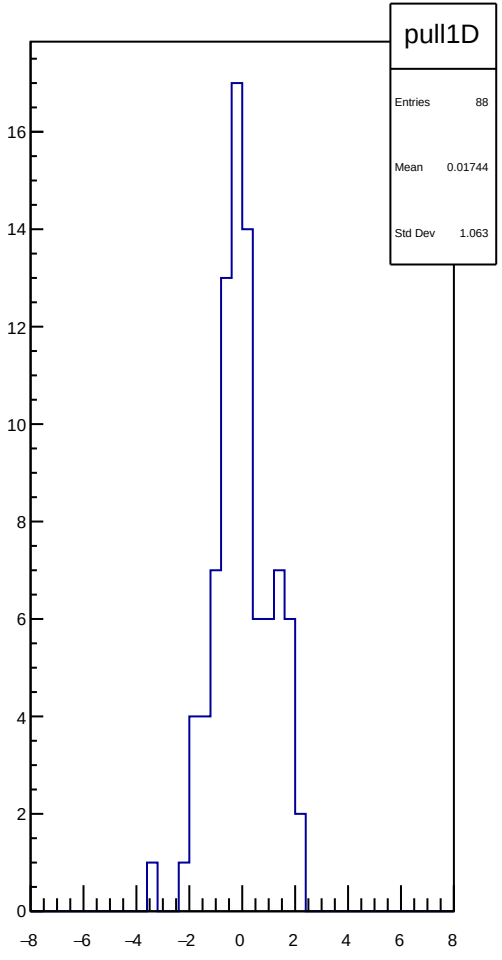

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 88.73 / 87
p0 −4094 ± 2878
700
600
500
400
300
200
100
0
−100
pull
Entries 88
Mean −33.55
Std Dev 100.2
4
3
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.02675
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

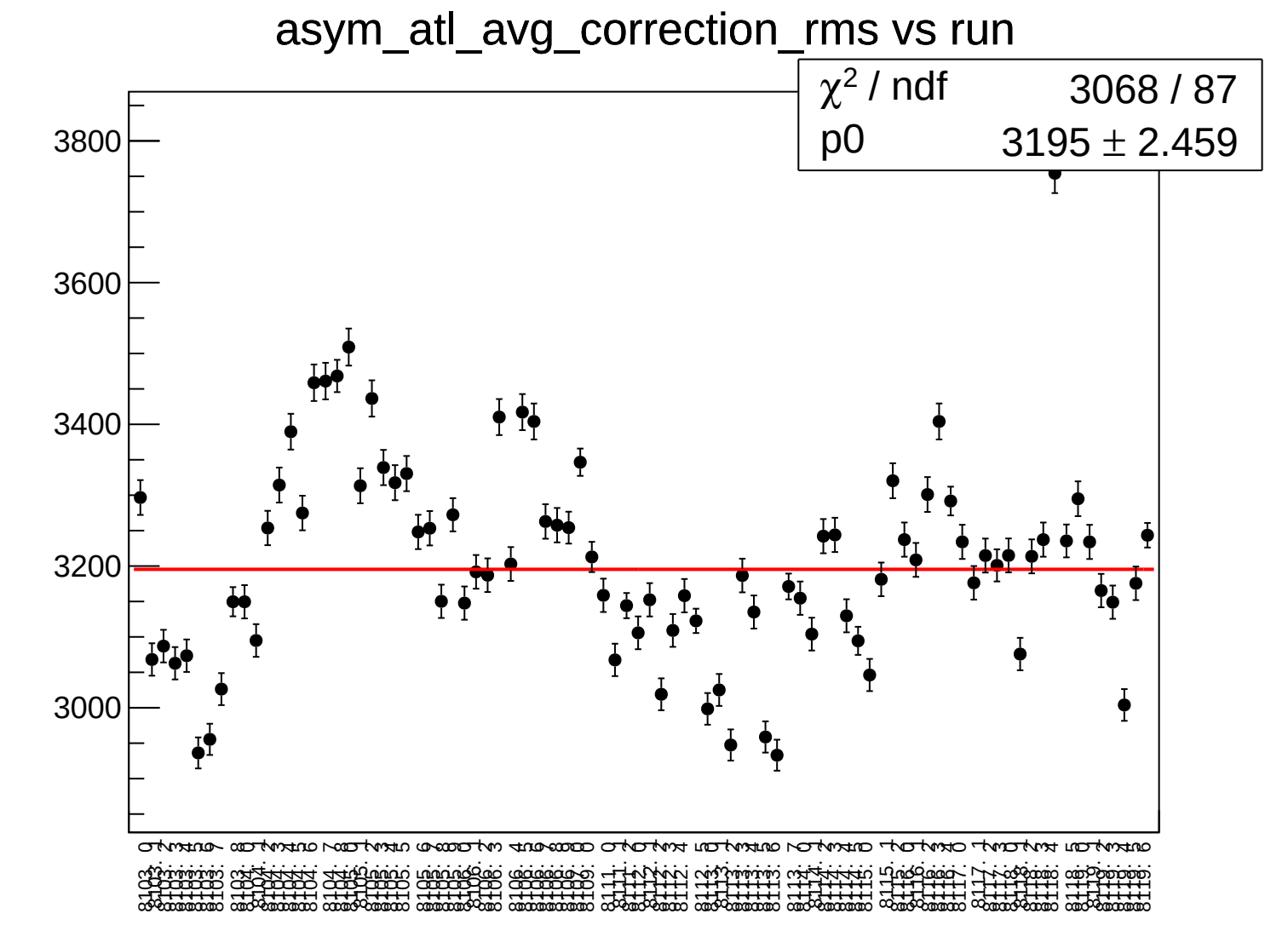

asym_at2_dd_rms vs run
χ² / ndf 2.314e+04 / 87
p0 2629 ± 2.035
18000
16000
14000
12000
10000
8000
6000
4000
2000

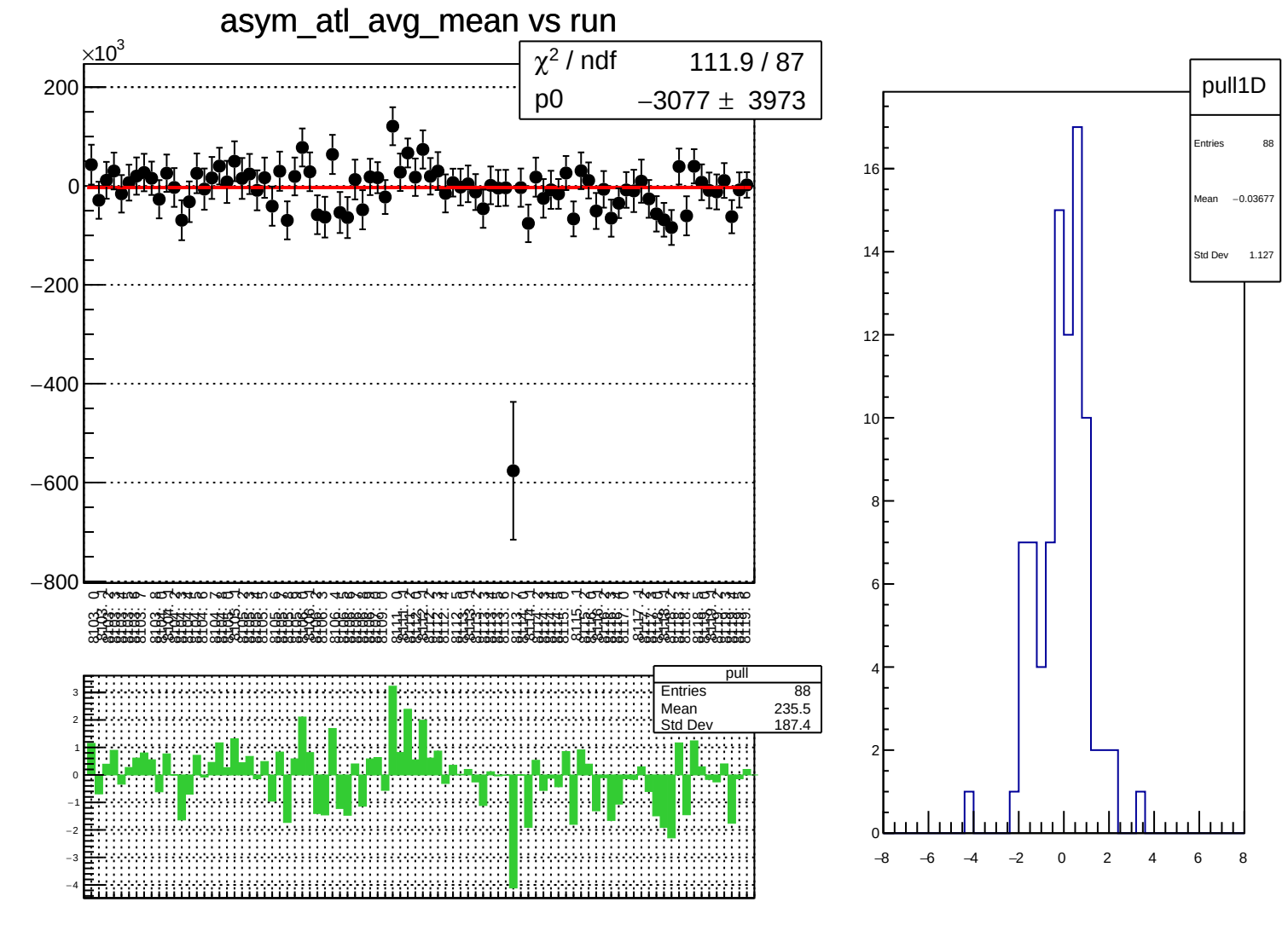

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 108.1 / 87
p0 1988 ± 1725
pull
Entries 88
Mean 47.04
Std Dev 37.1
pull1D
Entries 88
Mean −0.04746
Std Dev 1.107

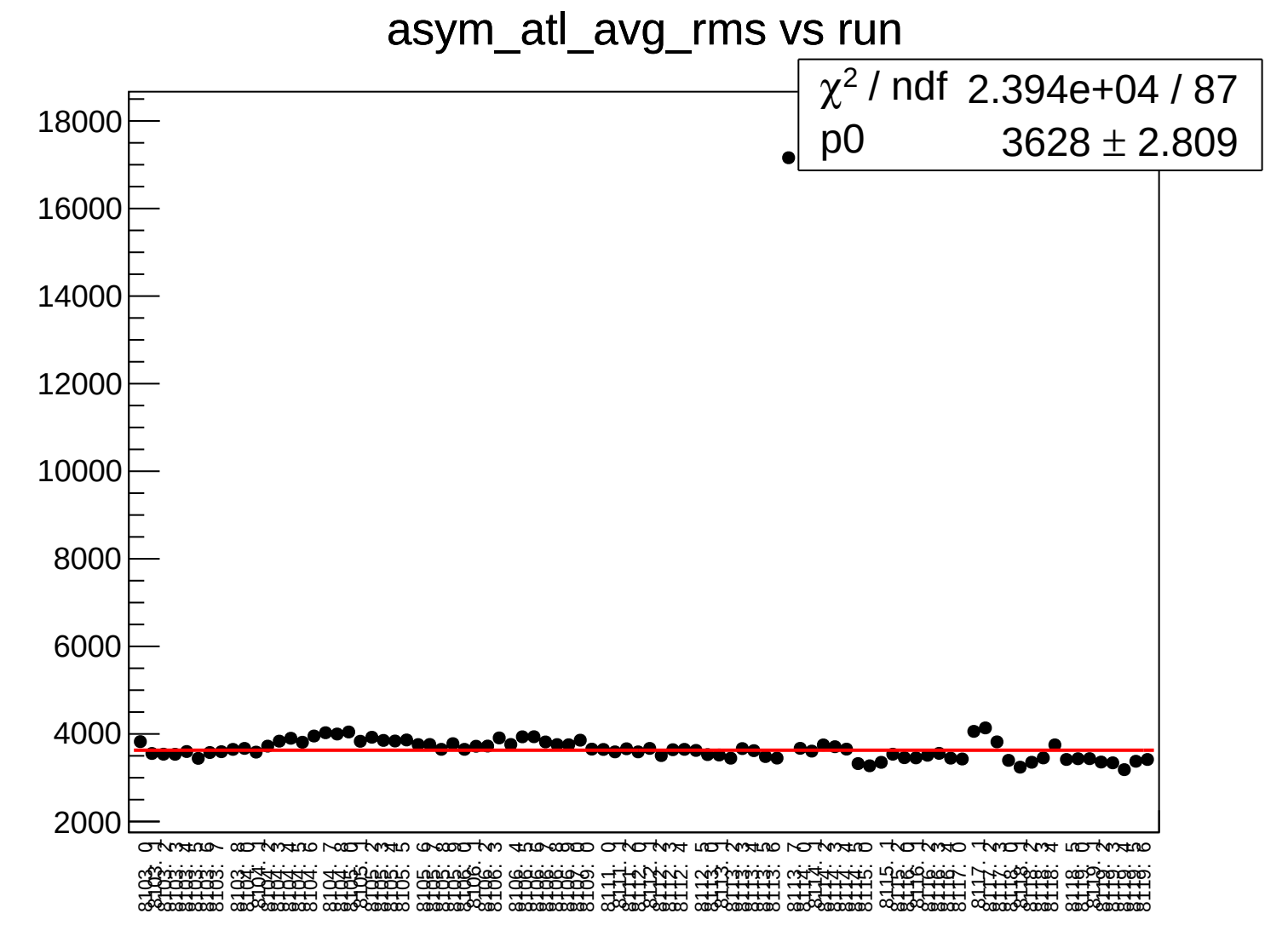

dit_asym_atl_avg_rms vs run
χ² / ndf 2.528e+04 / 87
p0 1575 ± 1.22
18000
16000
14000
12000
10000
8000
6000
4000
2000

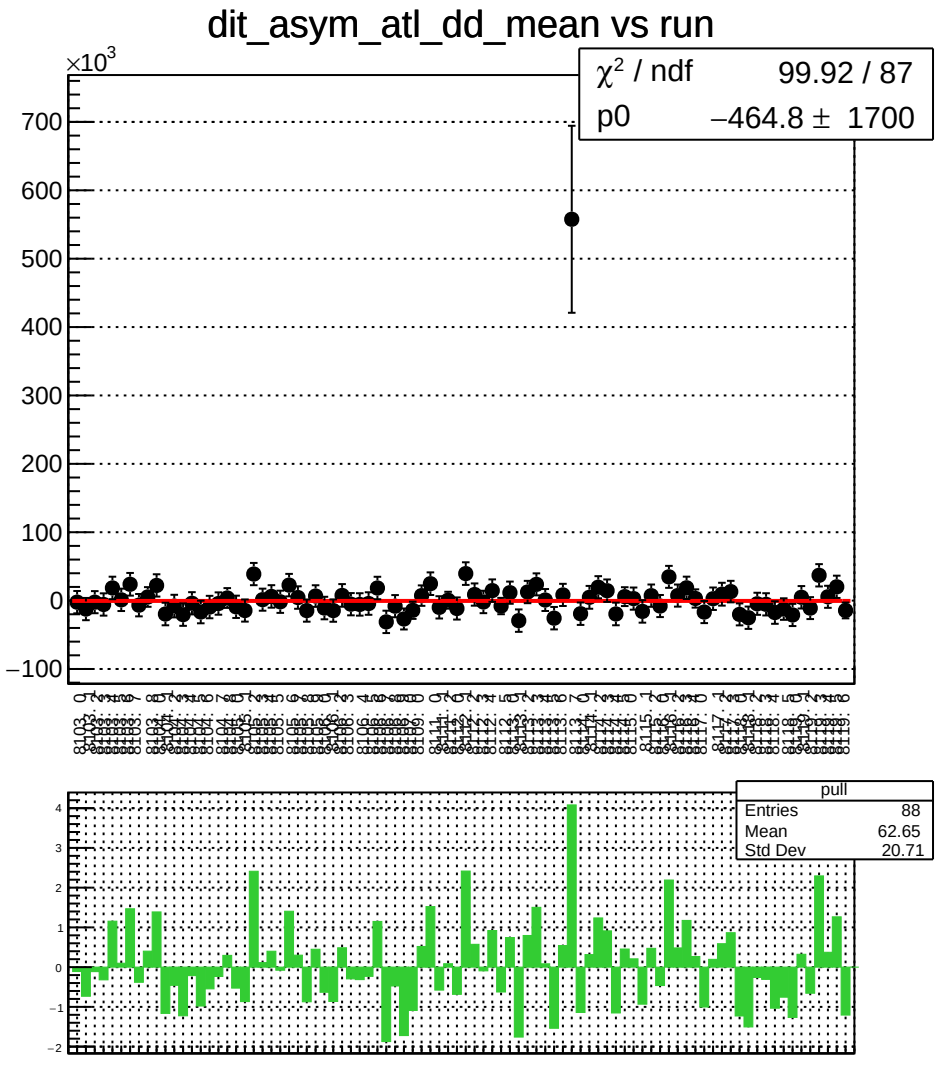

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 99.42 / 87
p0 3640 ± 3477
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 460.9
Std Dev 409.7
2
1
0
−1
−2
−3

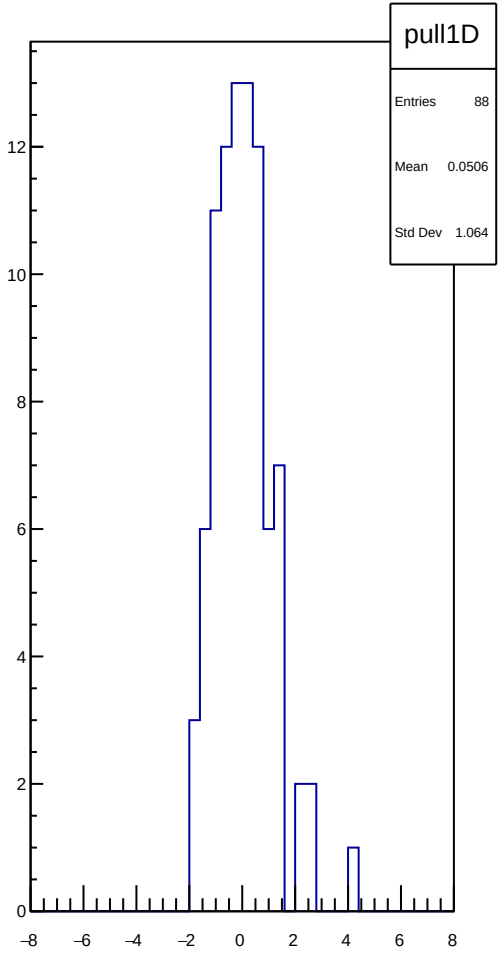

pull1D
Entries 88
Mean 0.01744
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

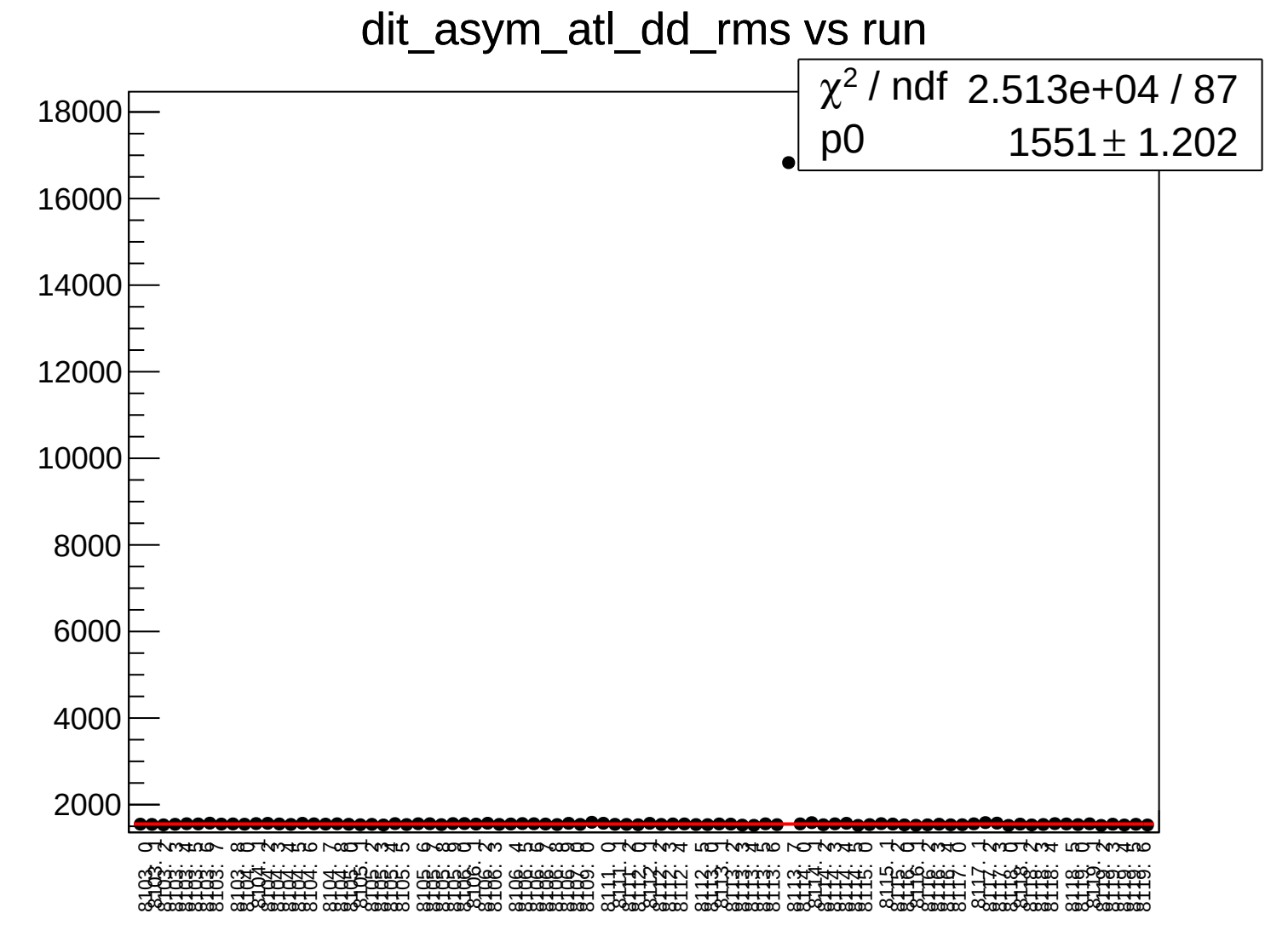

asym_atl_avg_correction_rms vs run
χ² / ndf 3068 / 87
p0 3195 ± 2.459
3800
3600
3400
3200
3000

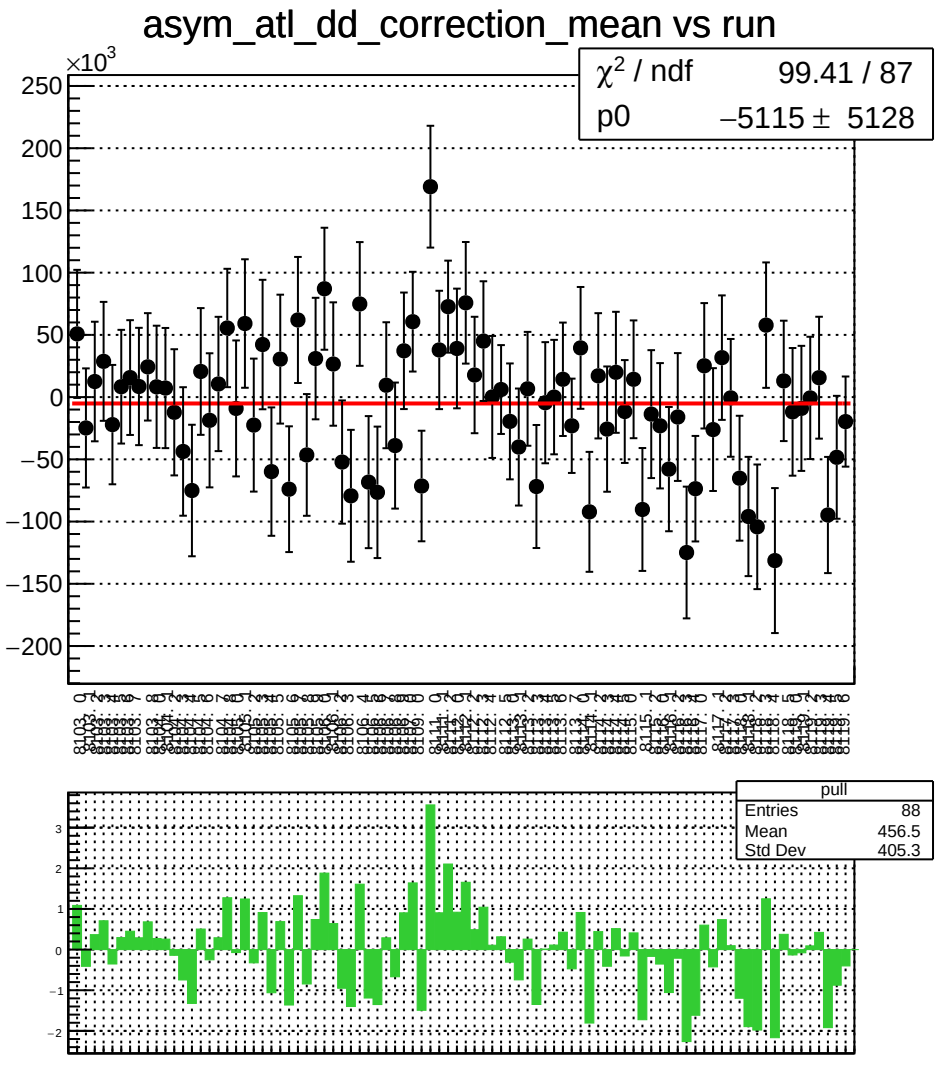

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 111.9 / 87
p0 −3077 ± 3973
200
0
−200
−400
−600
−800
pull
Entries 88
Mean 235.5
Std Dev 187.4
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 88
Mean −0.03677
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

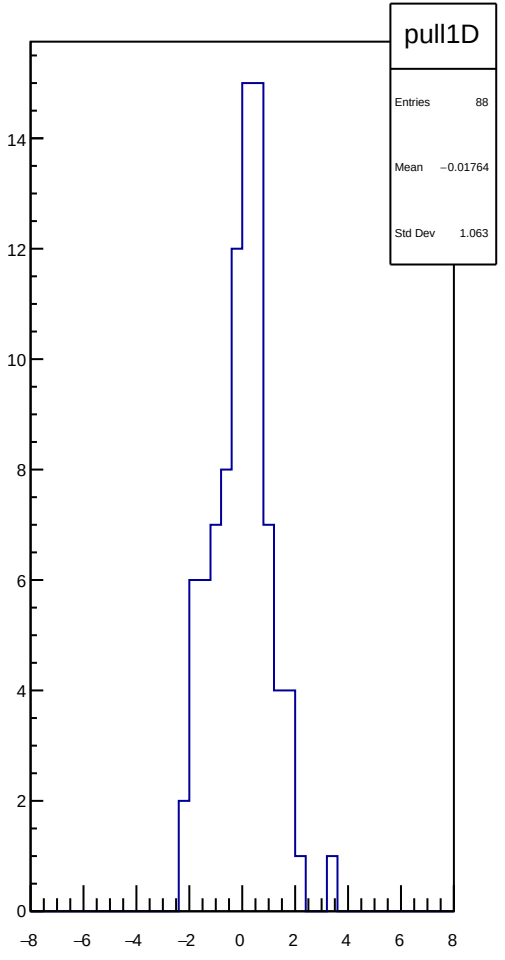

asym_atl_avg_rms vs run
χ^2 / ndf 2.394e+04 / 87
p0 3628 ± 2.809
18000
16000
14000
12000
10000
8000
6000
4000
2000

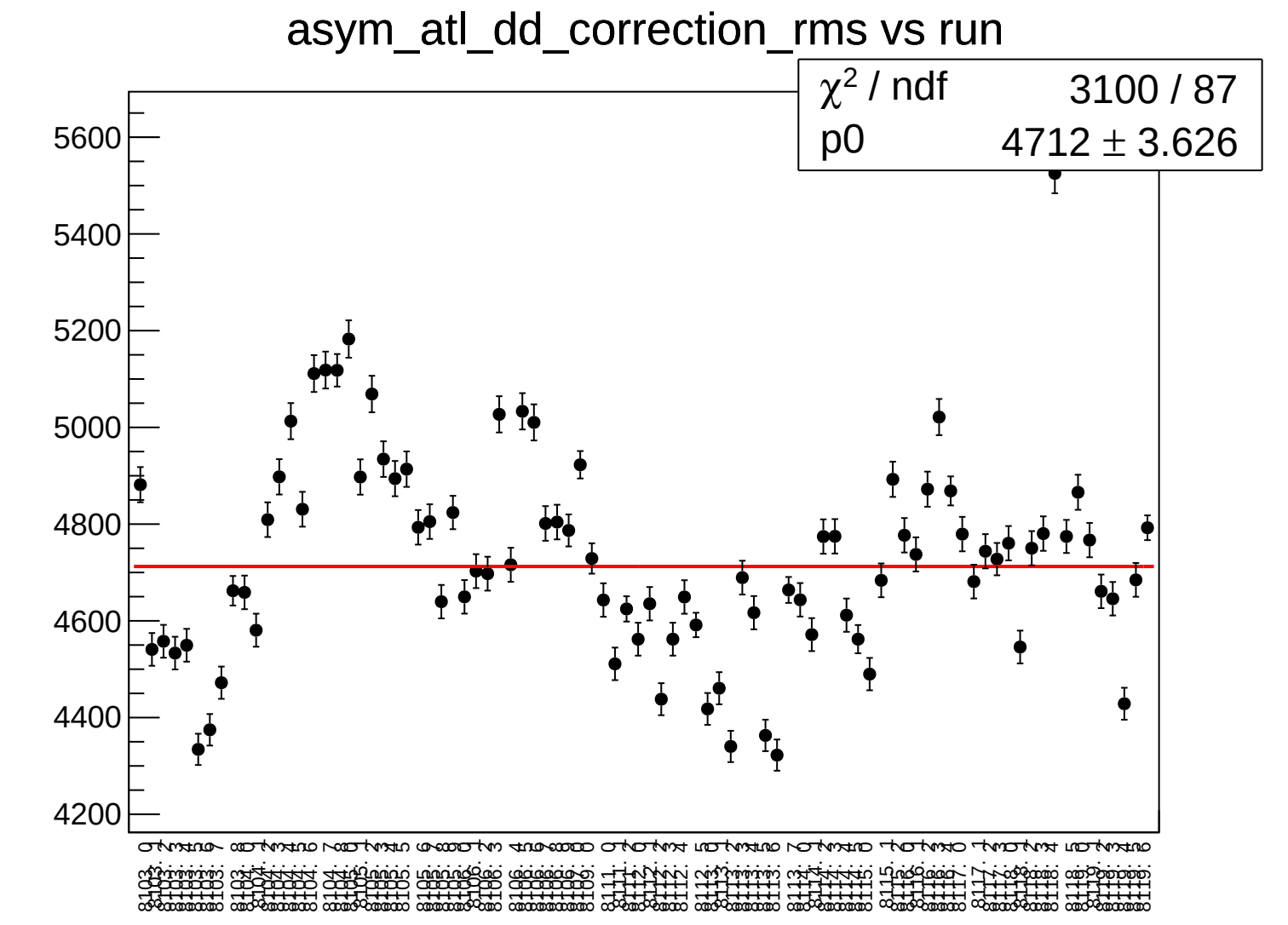

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 99.92 / 87
p0 −464.8 ± 1700
700
600
500
400
300
200
100
0
−100
pull
Entries 88
Mean 62.65
Std Dev 20.71
4
3
2
1
0
−1
−2

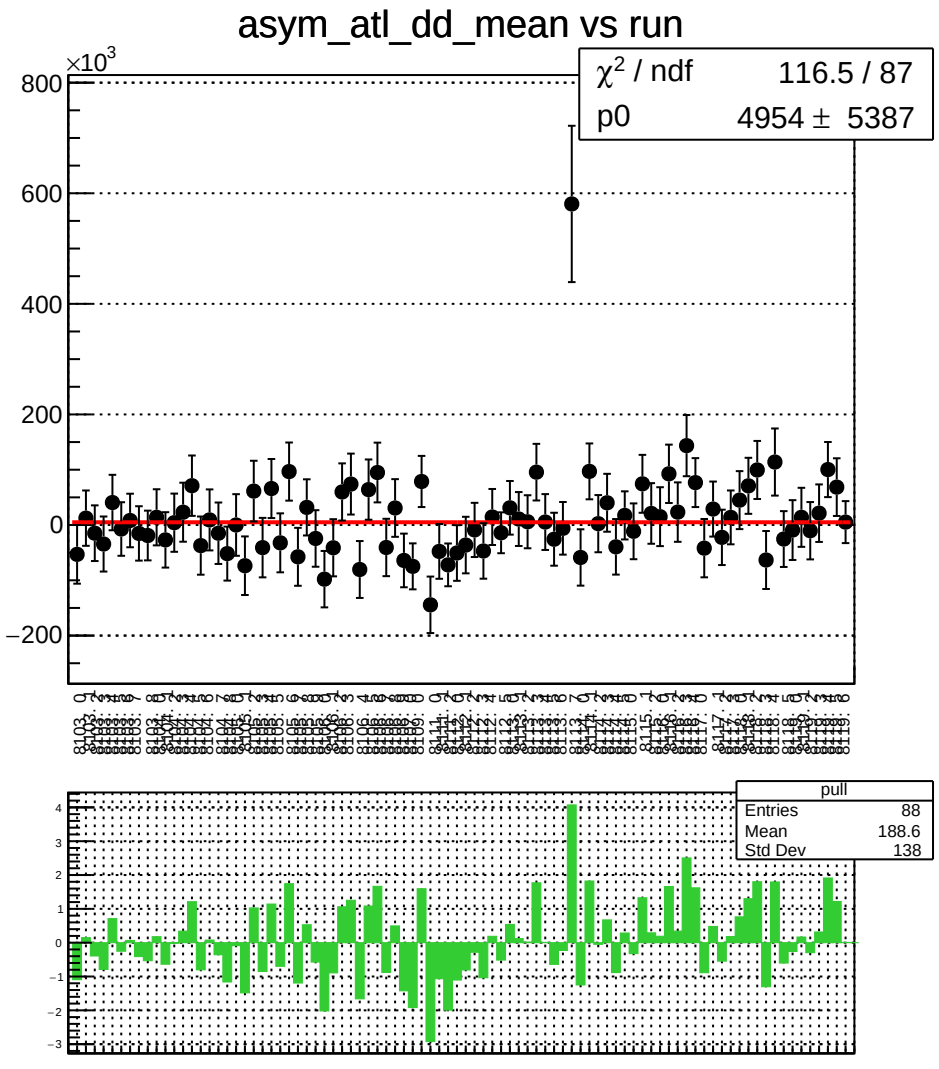

pull1D
Entries 88
Mean 0.0506
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

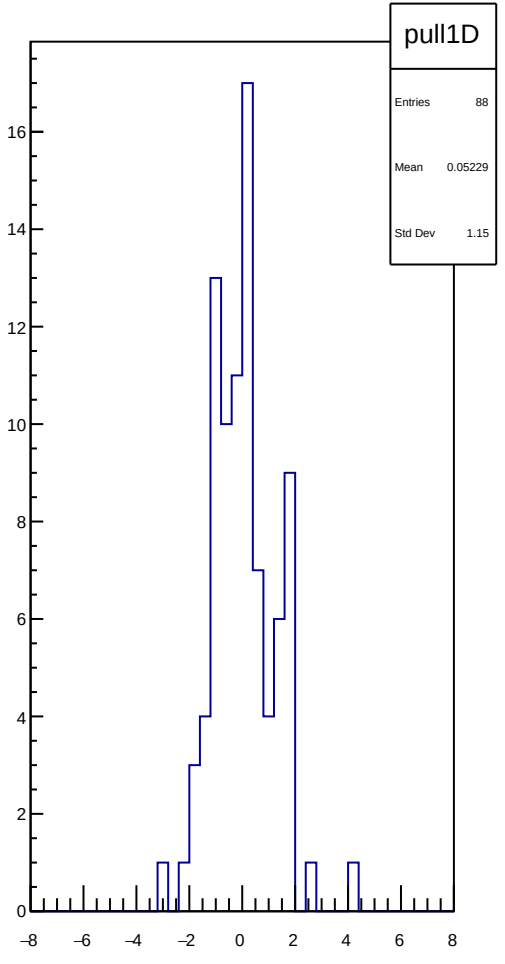

dit_asym_atl_dd_rms vs run
χ² / ndf 2.513e+04 / 87
p0 1551 ± 1.202
18000
16000
14000
12000
10000
8000
6000
4000
2000

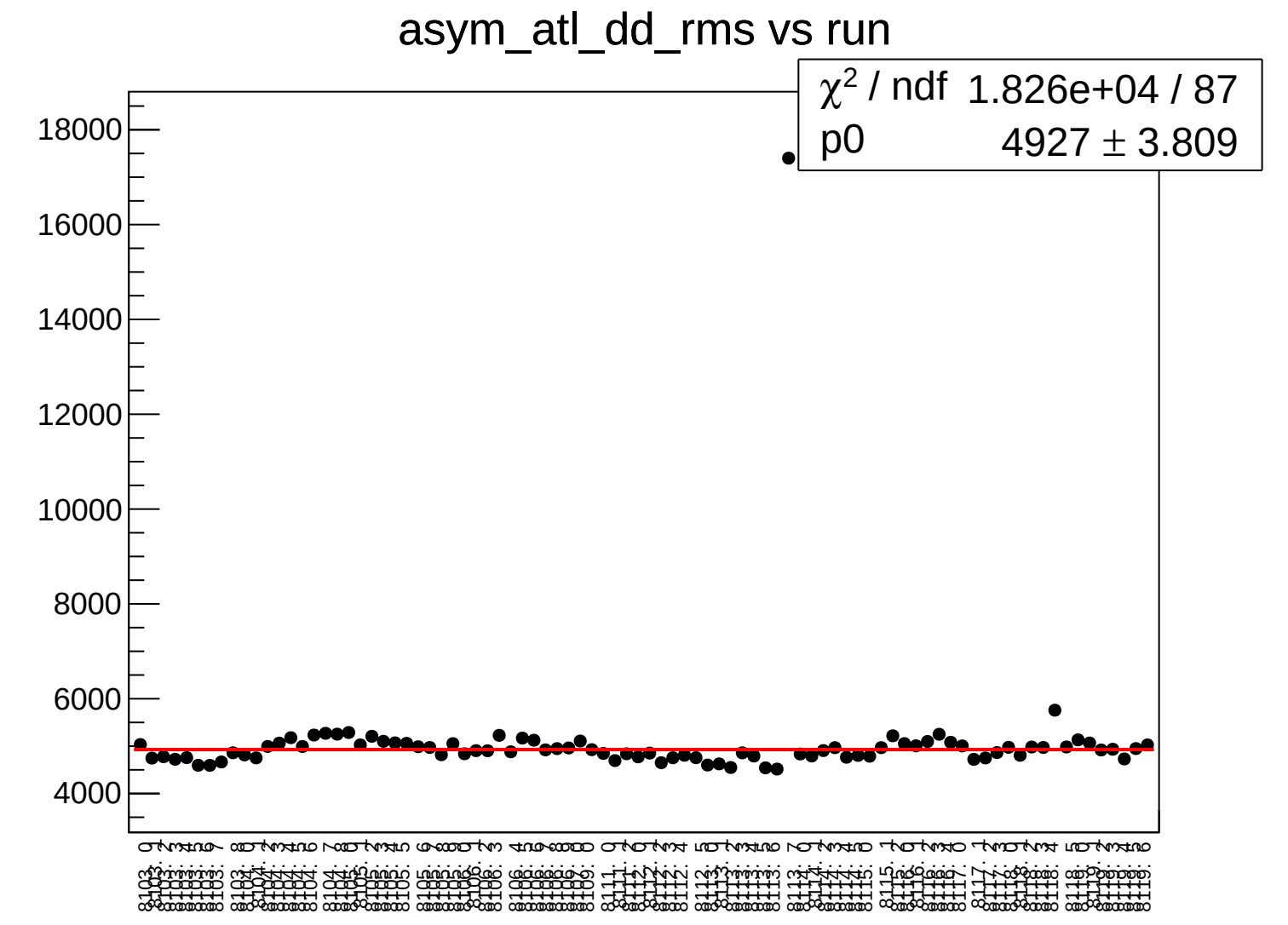

asym_atl_dd_correction_mean vs run
χ² / ndf 99.41 / 87
p0 −5115 ± 5128
pull
Entries 88
Mean 456.5
Std Dev 405.3

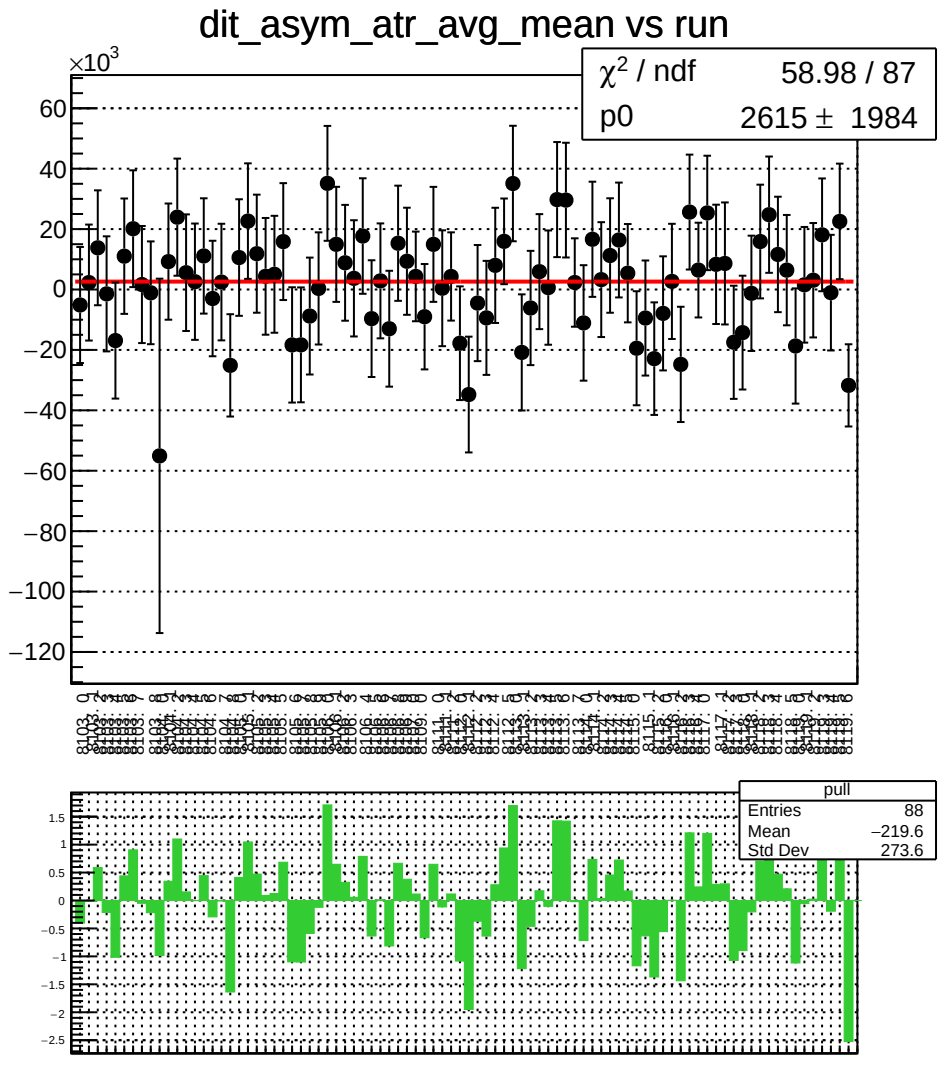

pull1D
Entries 88
Mean −0.01764
Std Dev 1.063

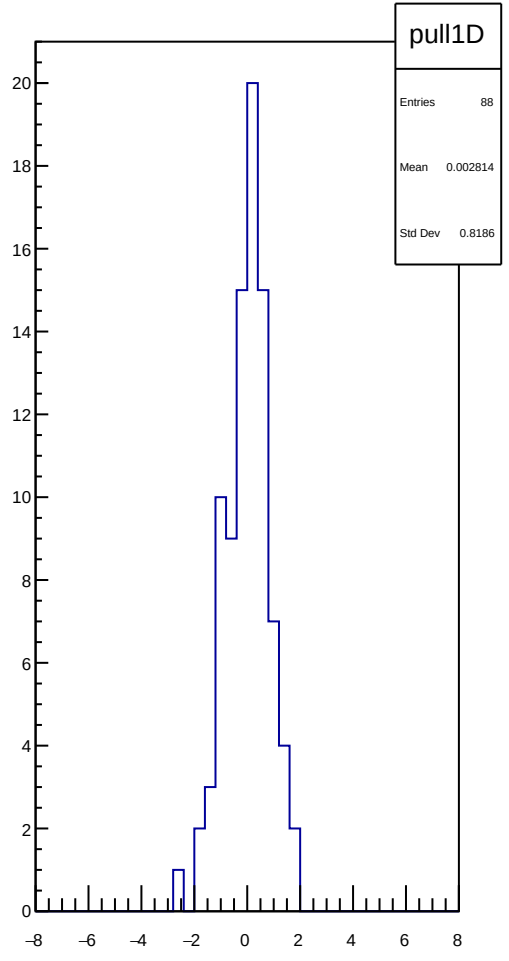

asym_atl_dd_correction_rms vs run
χ^2 / ndf 3100 / 87
p0 4712 ± 3.626
5600
5400
5200
5000
4800
4600
4400
4200

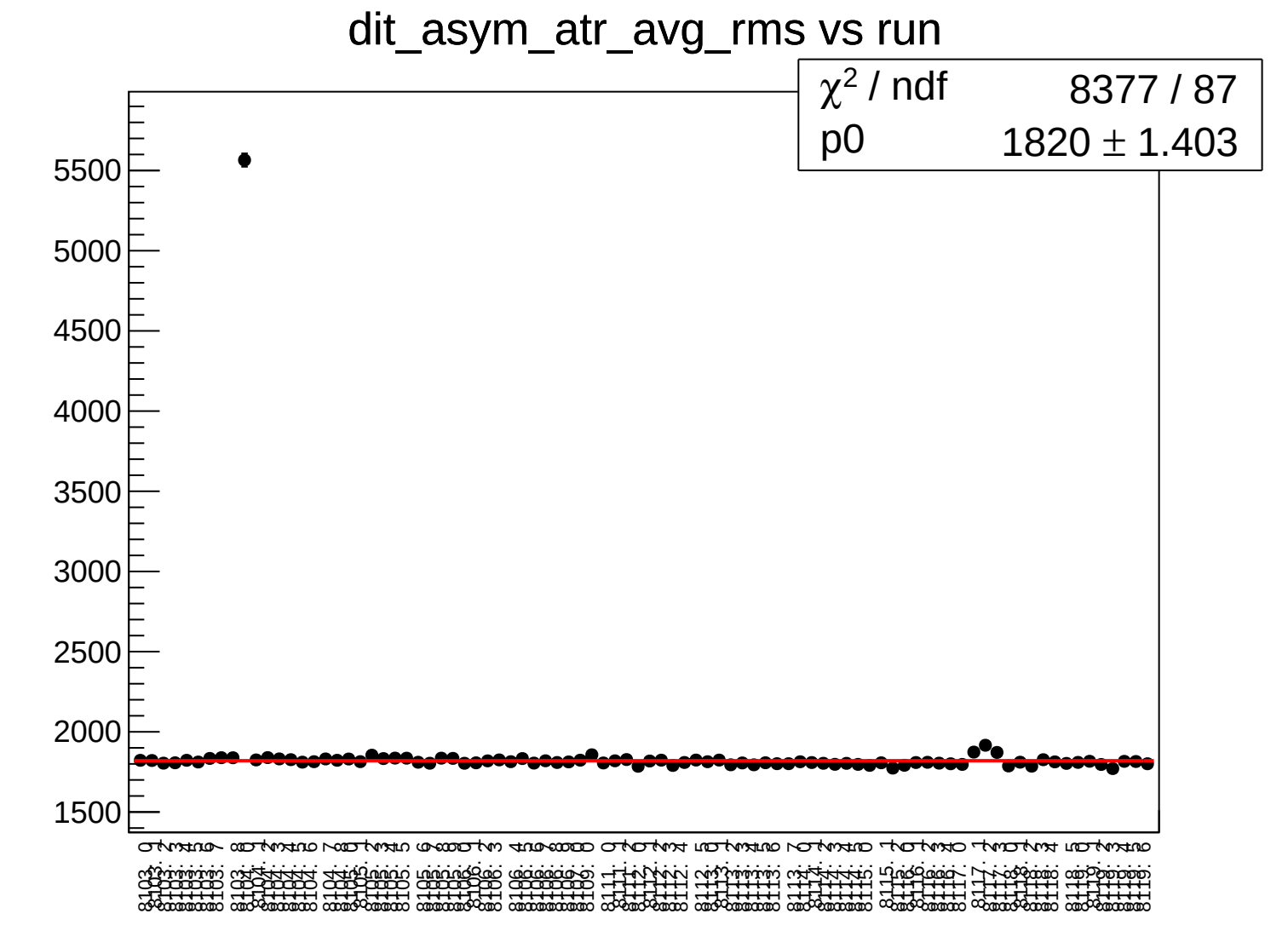

asym_atl_dd_mean vs run
×10^3
χ² / ndf 116.5 / 87
p0 4954 ± 5387
800
600
400
200
0
−200
pull
Entries 88
Mean 188.6
Std Dev 138
4
3
2
1
0
−1
−2
−3

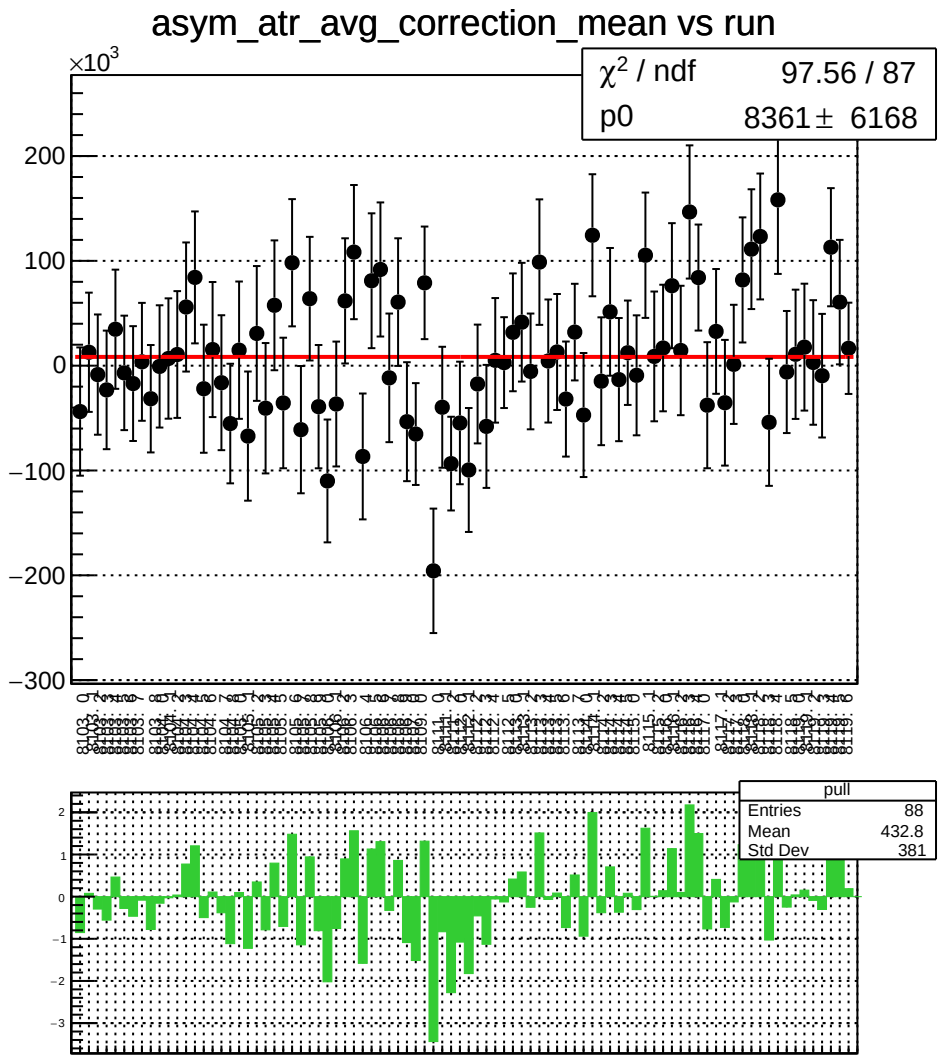

pull1D
Entries 88
Mean 0.05229
Std Dev 1.15
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

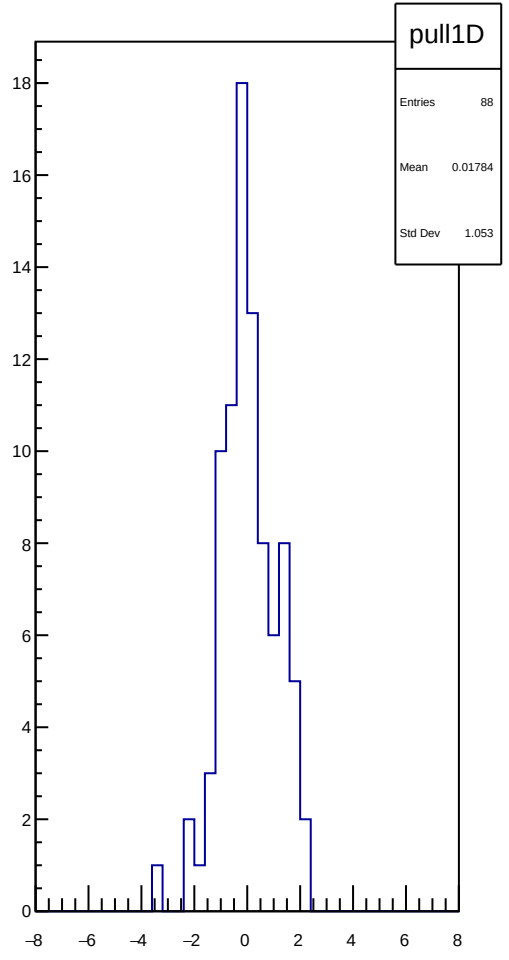

asym_atl_dd_rms vs run
χ^2 / ndf 1.826e+04 / 87
p0 4927 ± 3.809
18000
16000
14000
12000
10000
8000
6000
4000

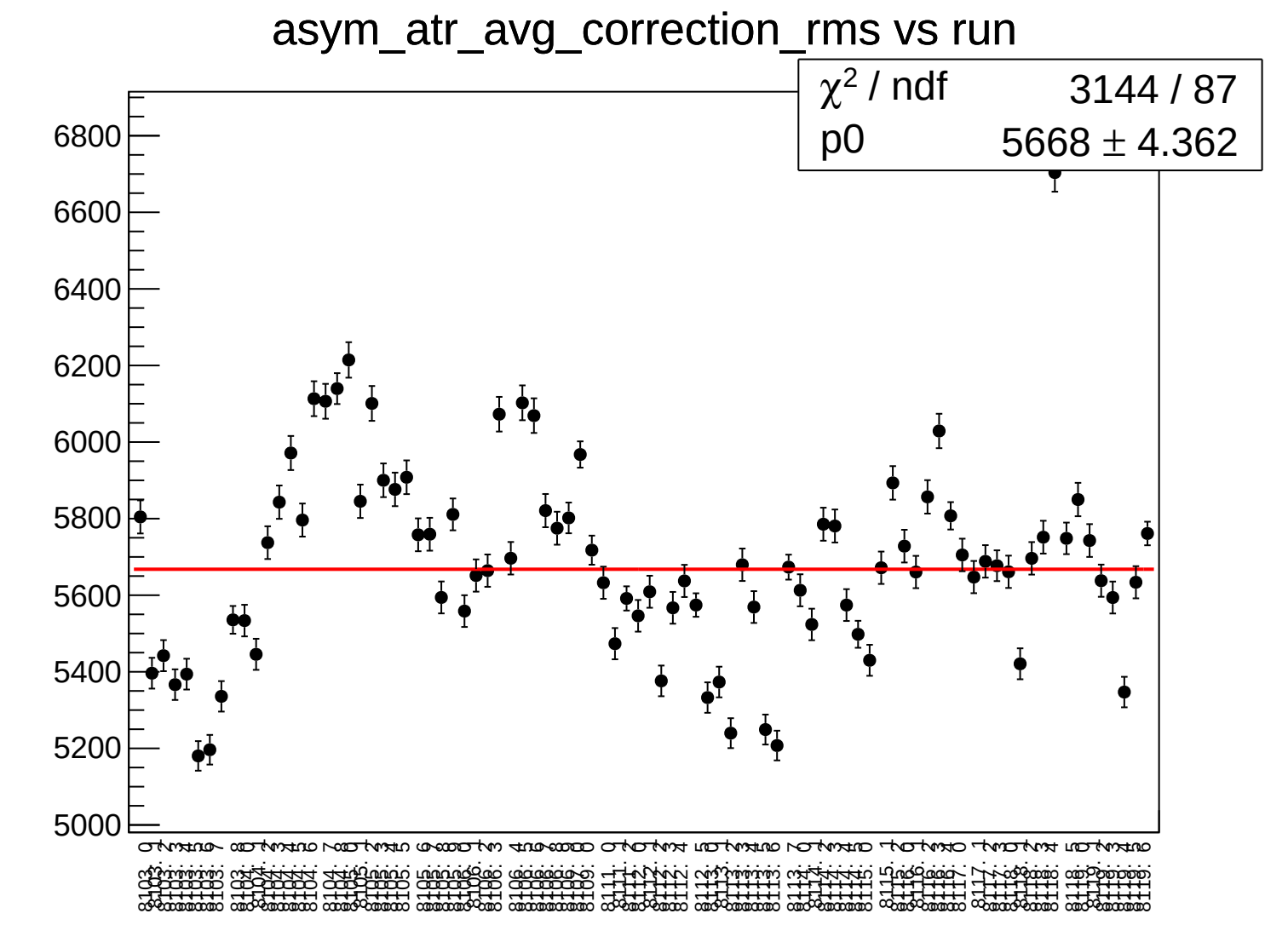

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 58.98 / 87
p0 2615 ± 1984
pull
Entries 88
Mean −219.6
Std Dev 273.6

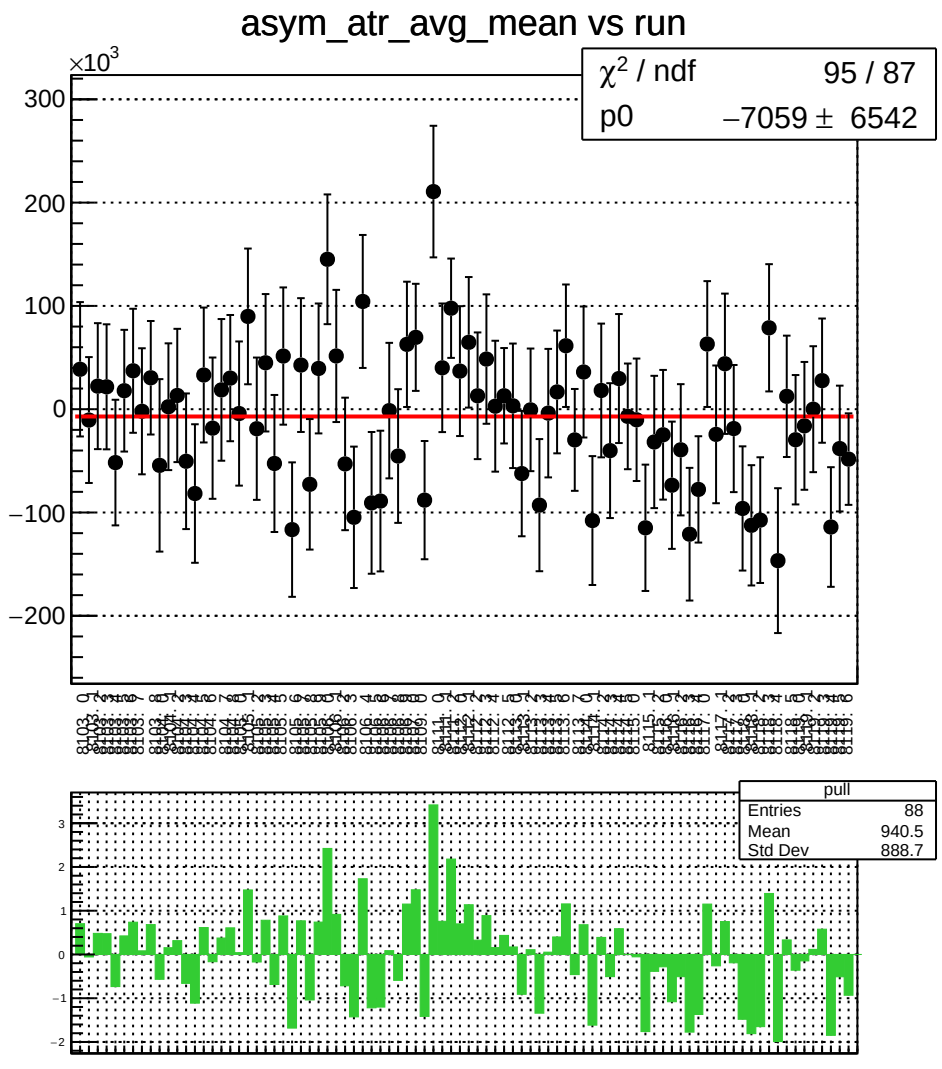

pull1D
Entries 88
Mean 0.002814
Std Dev 0.8186

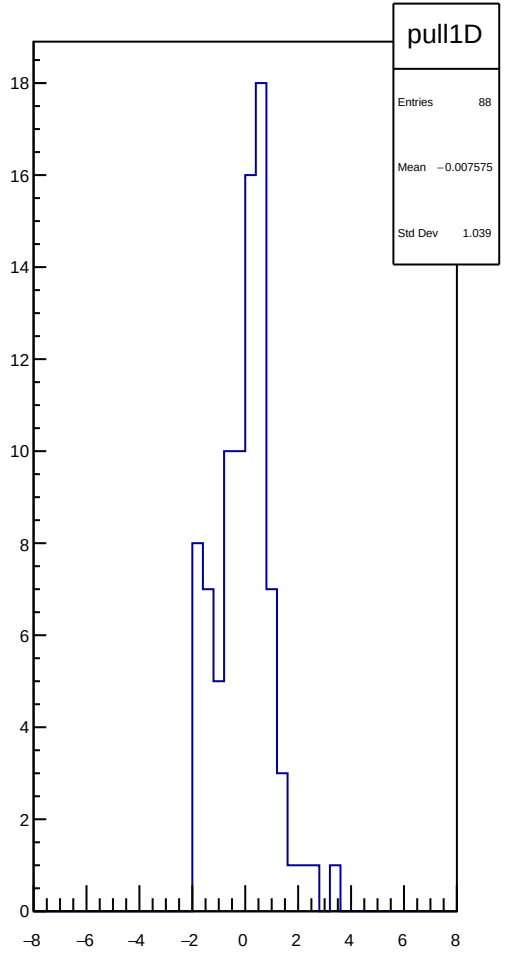

dit_asym_atr_avg_rms vs run
χ^2 / ndf 8377 / 87
p0 1820 ± 1.403
5500
5000
4500
4000
3500
3000
2500
2000
1500

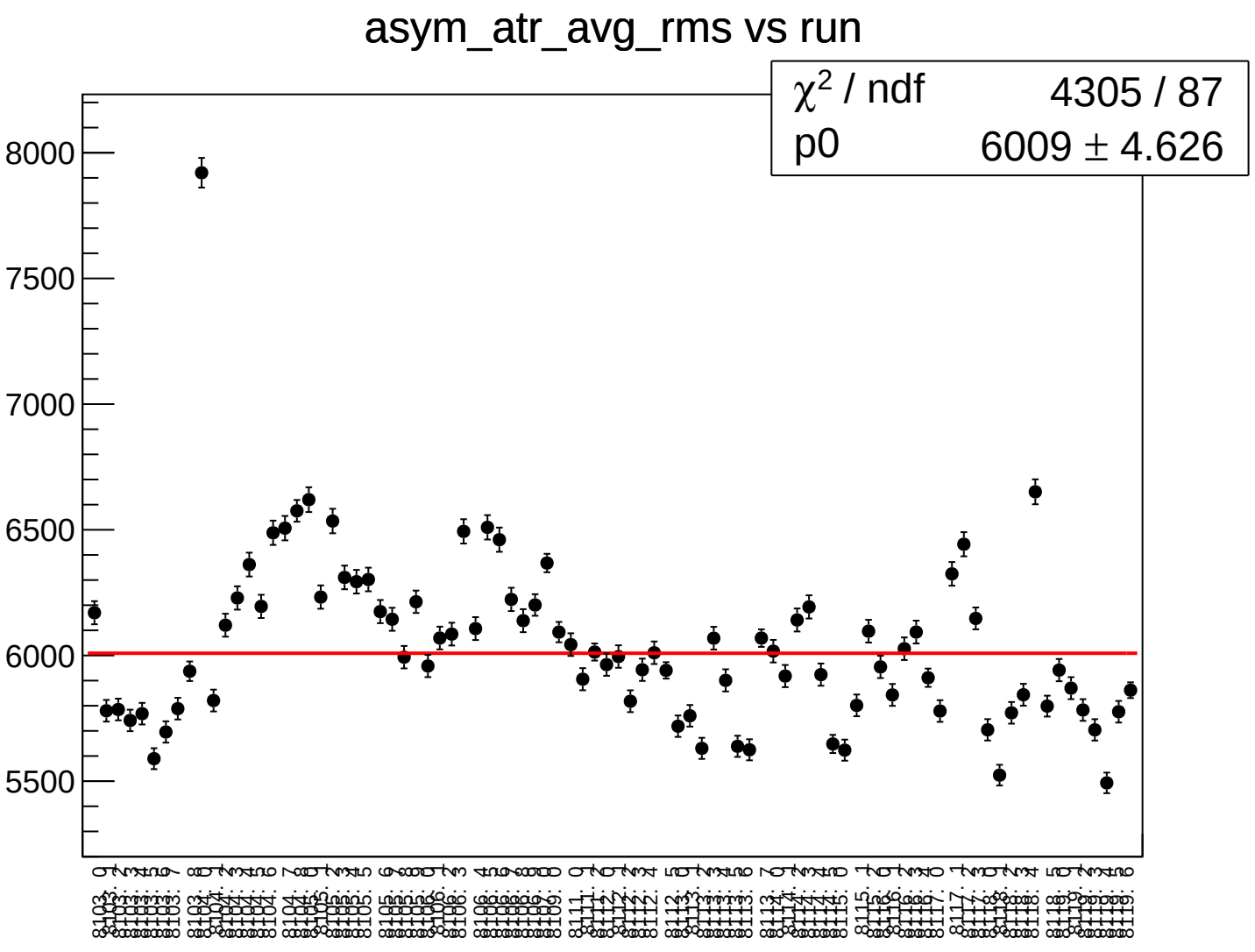

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 97.56 / 87
p0 8361 ± 6168
200
100
0
−100
−200
−300
pull
Entries 88
Mean 432.8
Std Dev 381
2
1
0
−1
−2
−3

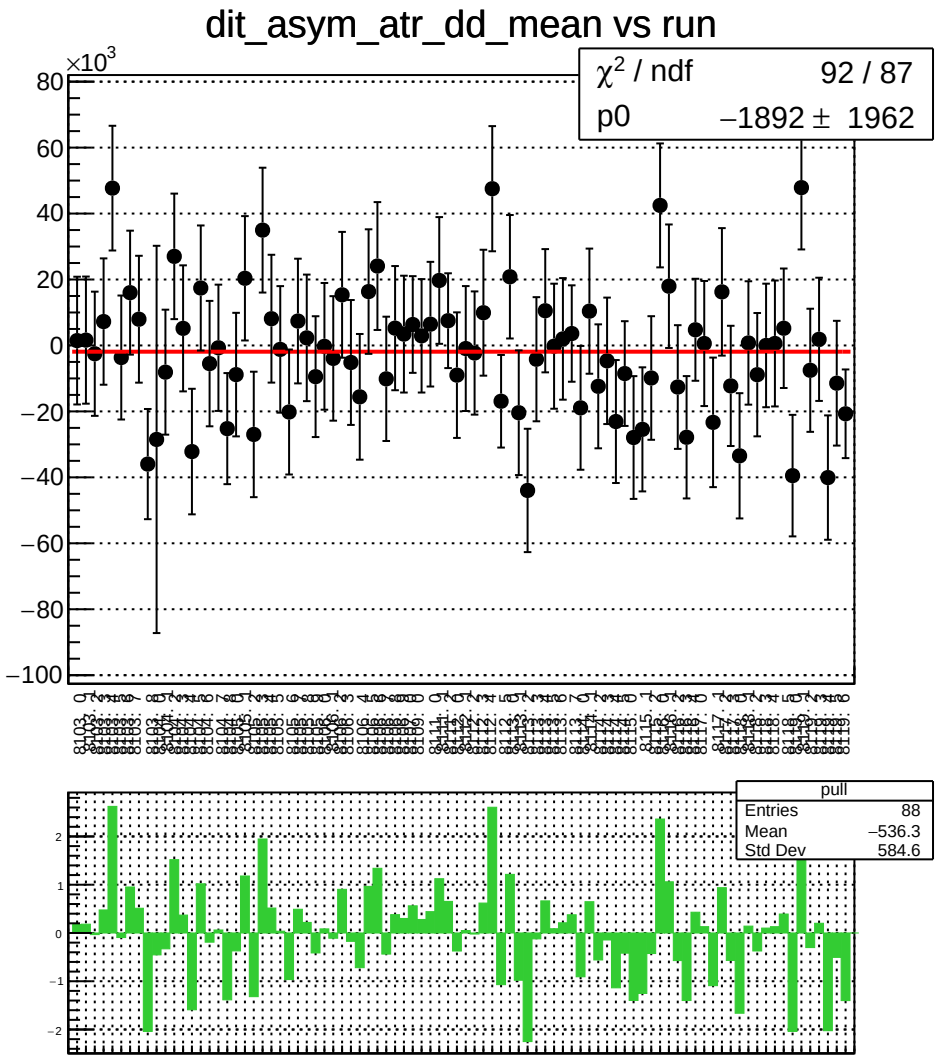

pull1D
Entries 88
Mean 0.01784
Std Dev 1.053
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

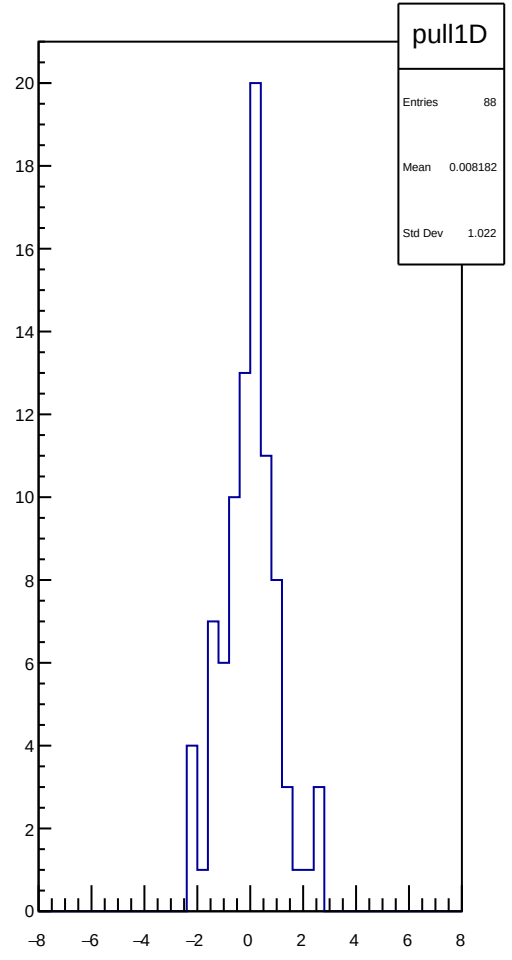

asym_atr_avg_correction_rms vs run
χ^2 / ndf 3144 / 87
p0 5668 ± 4.362
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000

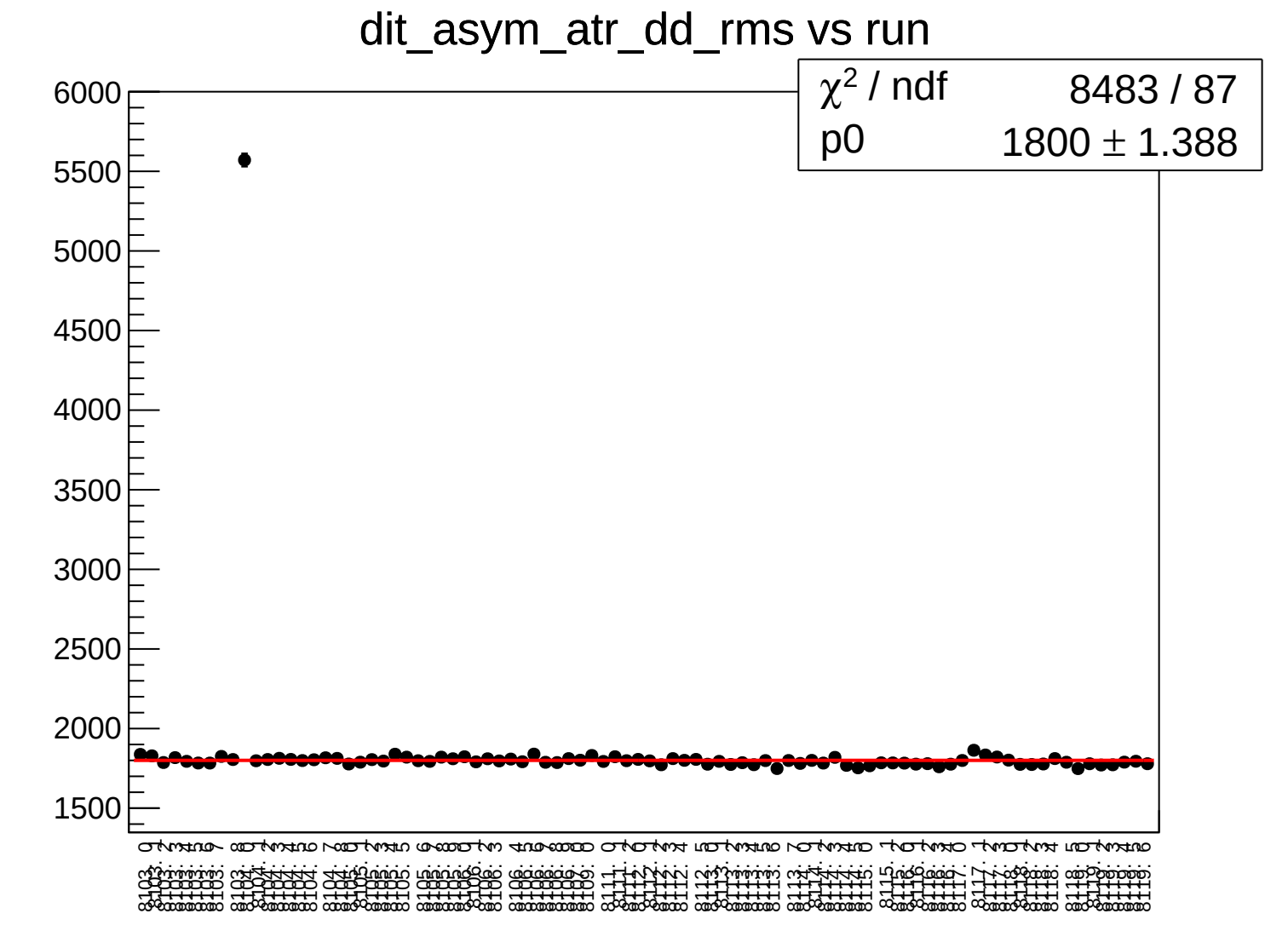

asym_atr_avg_mean vs run
×10^3
χ² / ndf 95 / 87
p0 −7059 ± 6542
300
200
100
0
−100
−200
pull
Entries 88
Mean 940.5
Std Dev 888.7
3
2
1
0
−1
−2

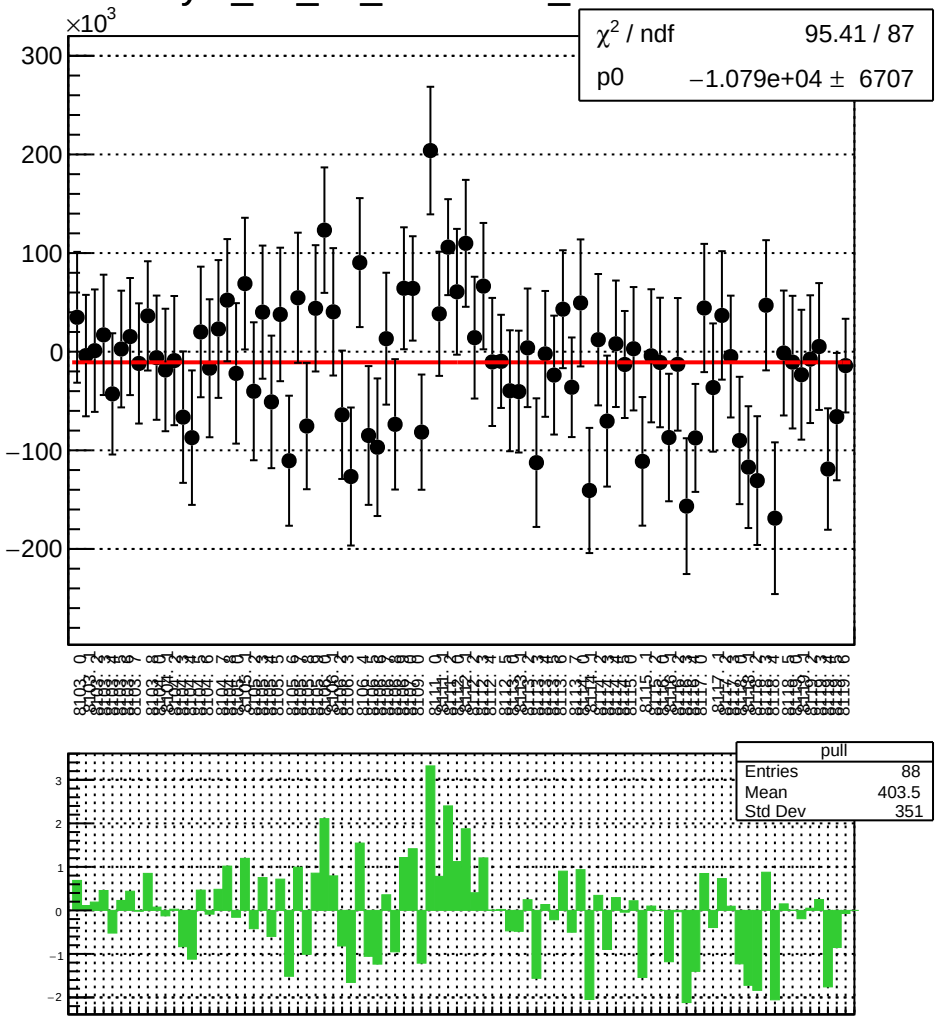

pull1D
Entries 88
Mean −0.007575
Std Dev 1.039
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

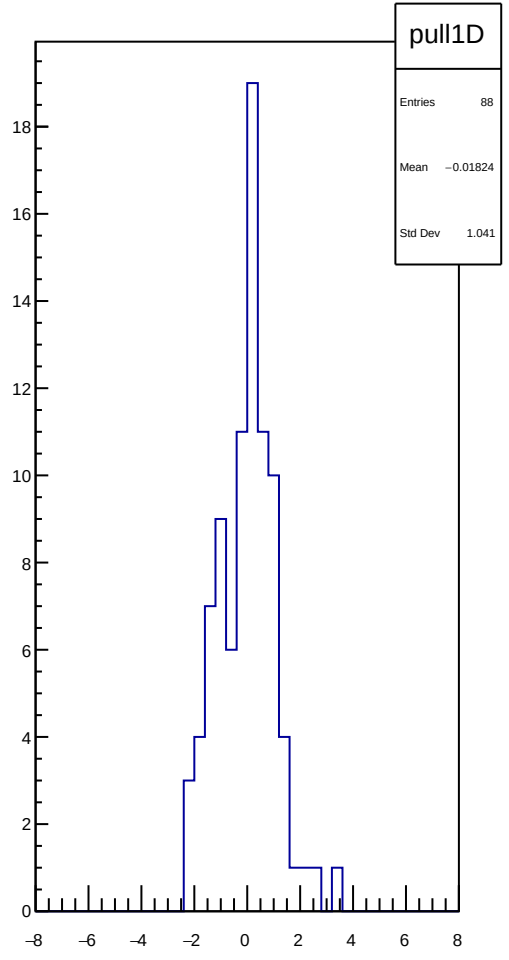

asym_atr_avg_rms vs run
χ² / ndf 4305 / 87
p0 6009 ± 4.626
8000
7500
7000
6500
6000
5500

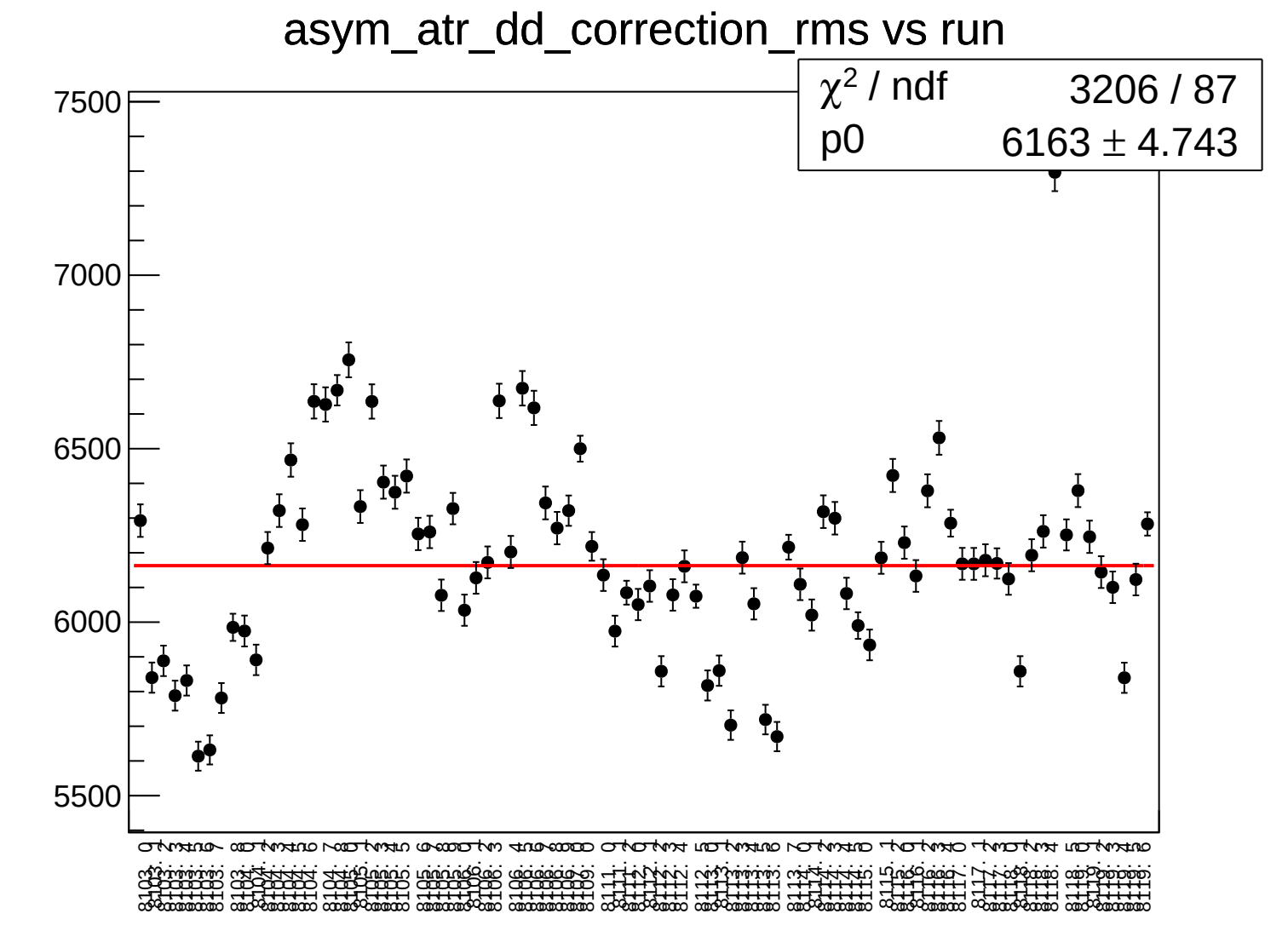

dit_asym_atr_dd_mean vs run
χ² / ndf 92 / 87
p0 −1892 ± 1962
×10³
pull
Entries 88
Mean −536.3
Std Dev 584.6

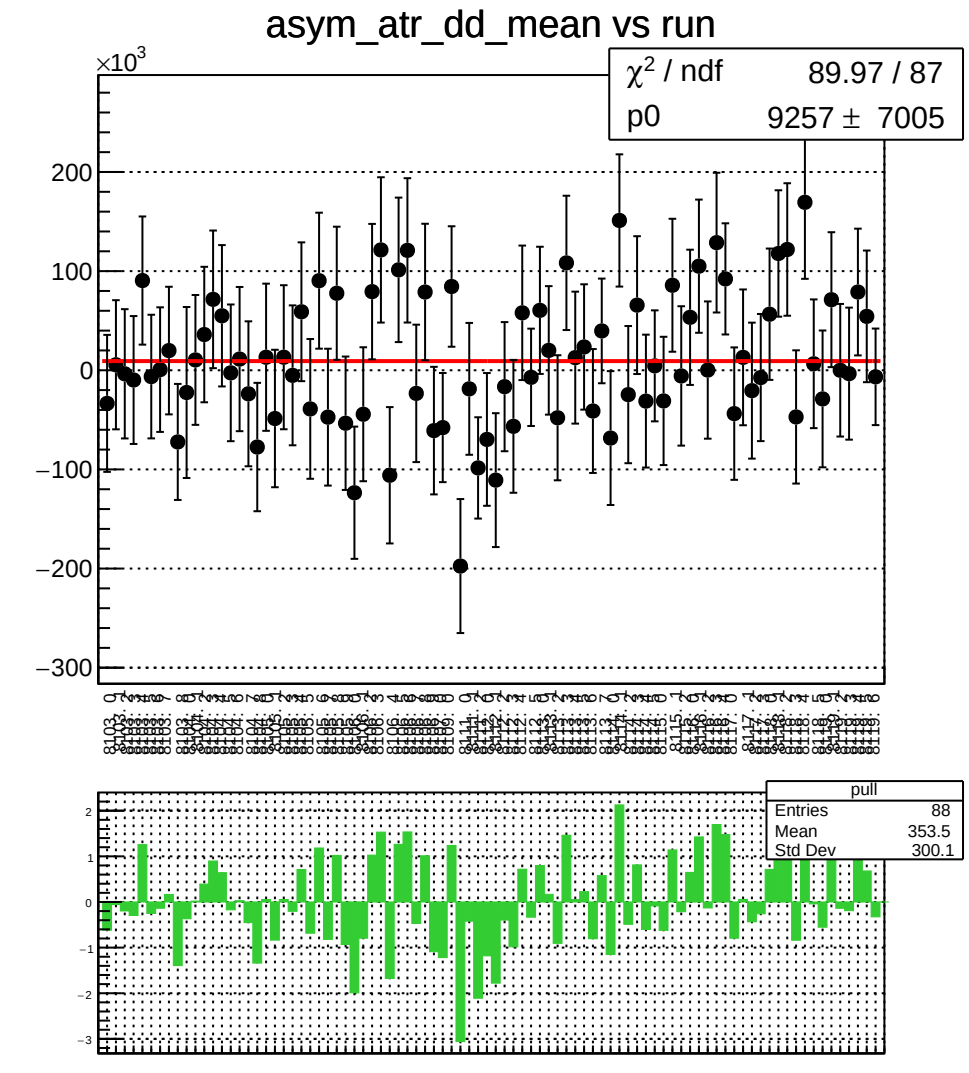

pull1D
Entries 88
Mean 0.008182
Std Dev 1.022

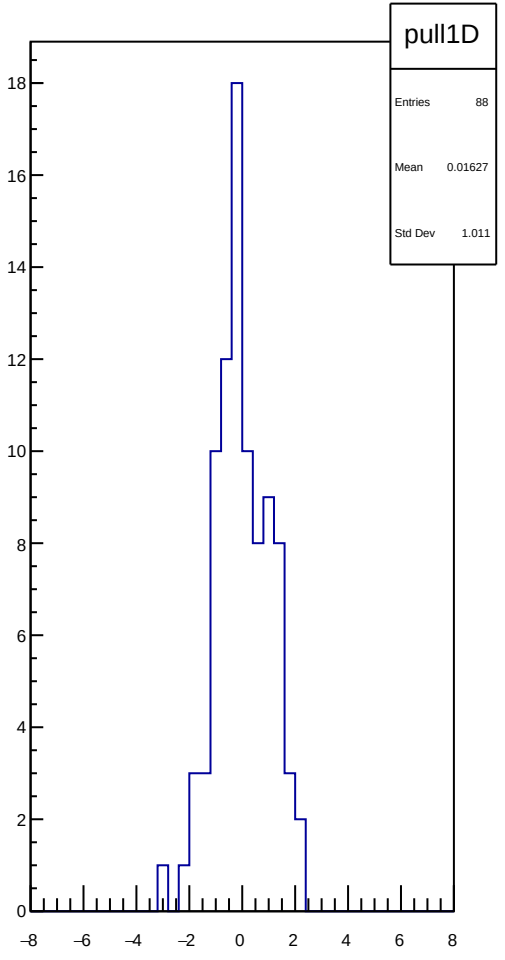

dit_asym_atr_dd_rms vs run
χ^2 / ndf 8483 / 87
p0 1800 ± 1.388
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

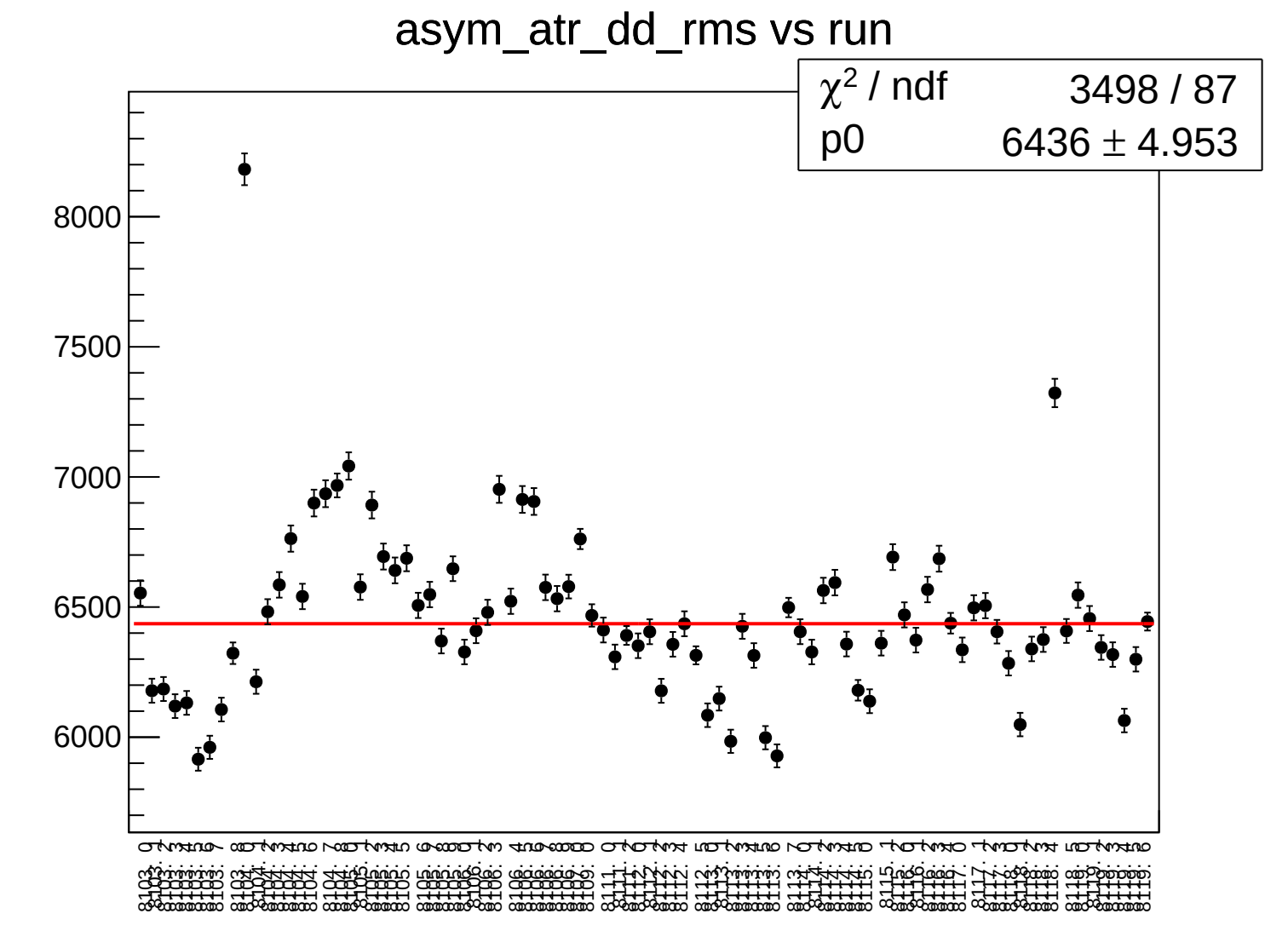

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 95.41 / 87
p0 −1.079e+04 ± 6707
pull
Entries 88
Mean 403.5
Std Dev 351

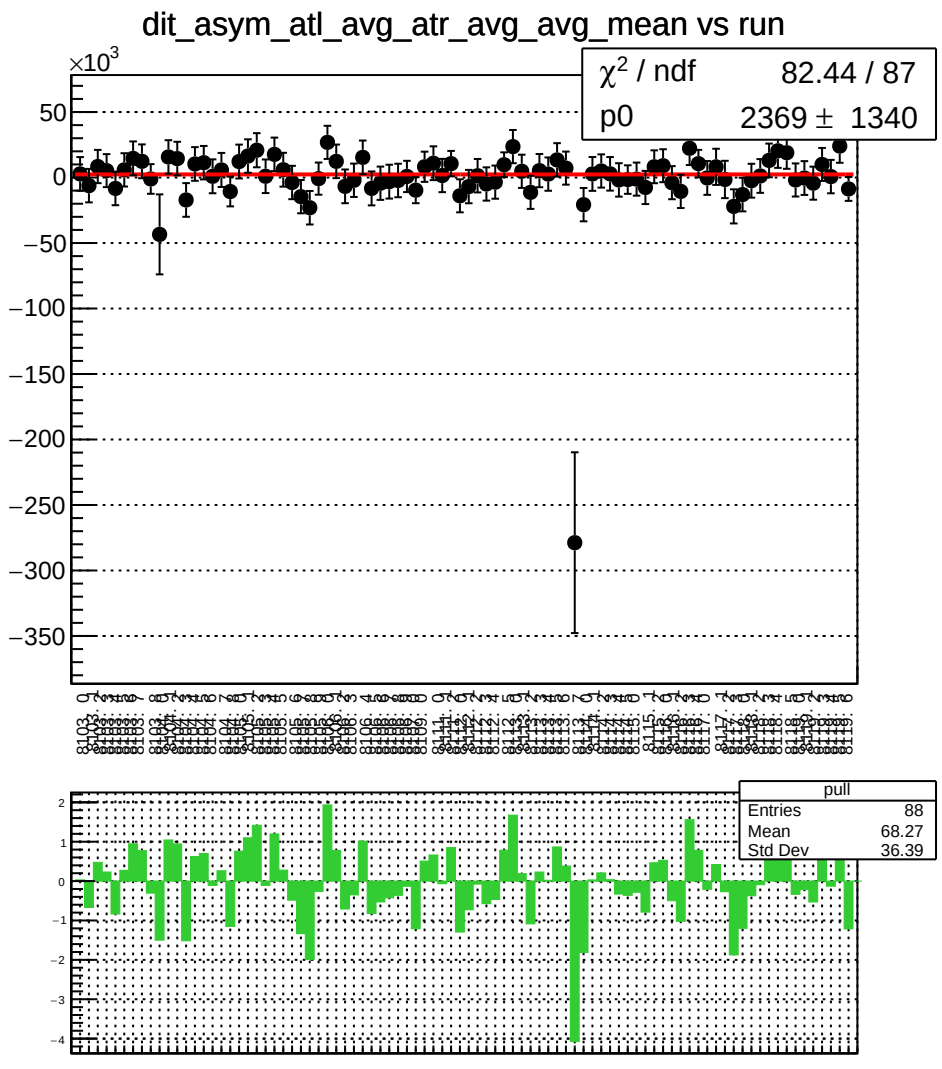

pull1D
Entries 88
Mean −0.01824
Std Dev 1.041

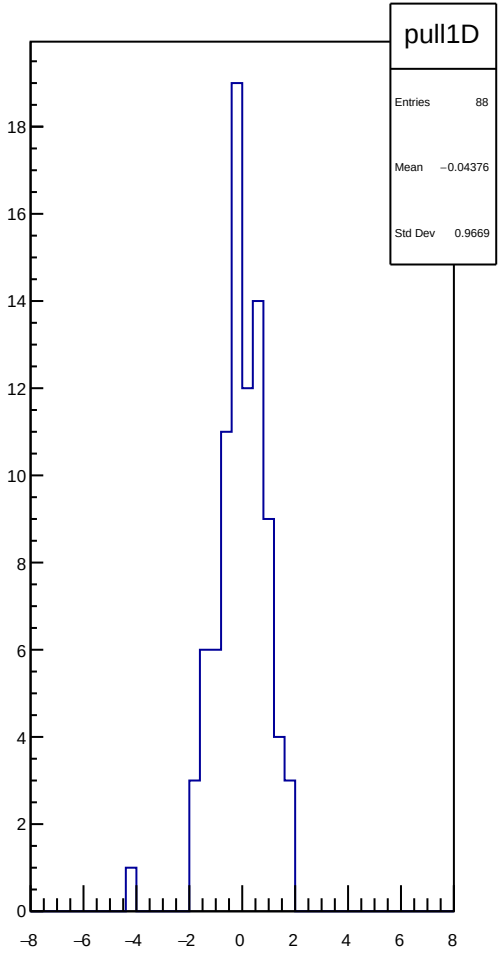

asym_atr_dd_correction_rms vs run
χ² / ndf 3206 / 87
p0 6163 ± 4.743
7500
7000
6500
6000
5500

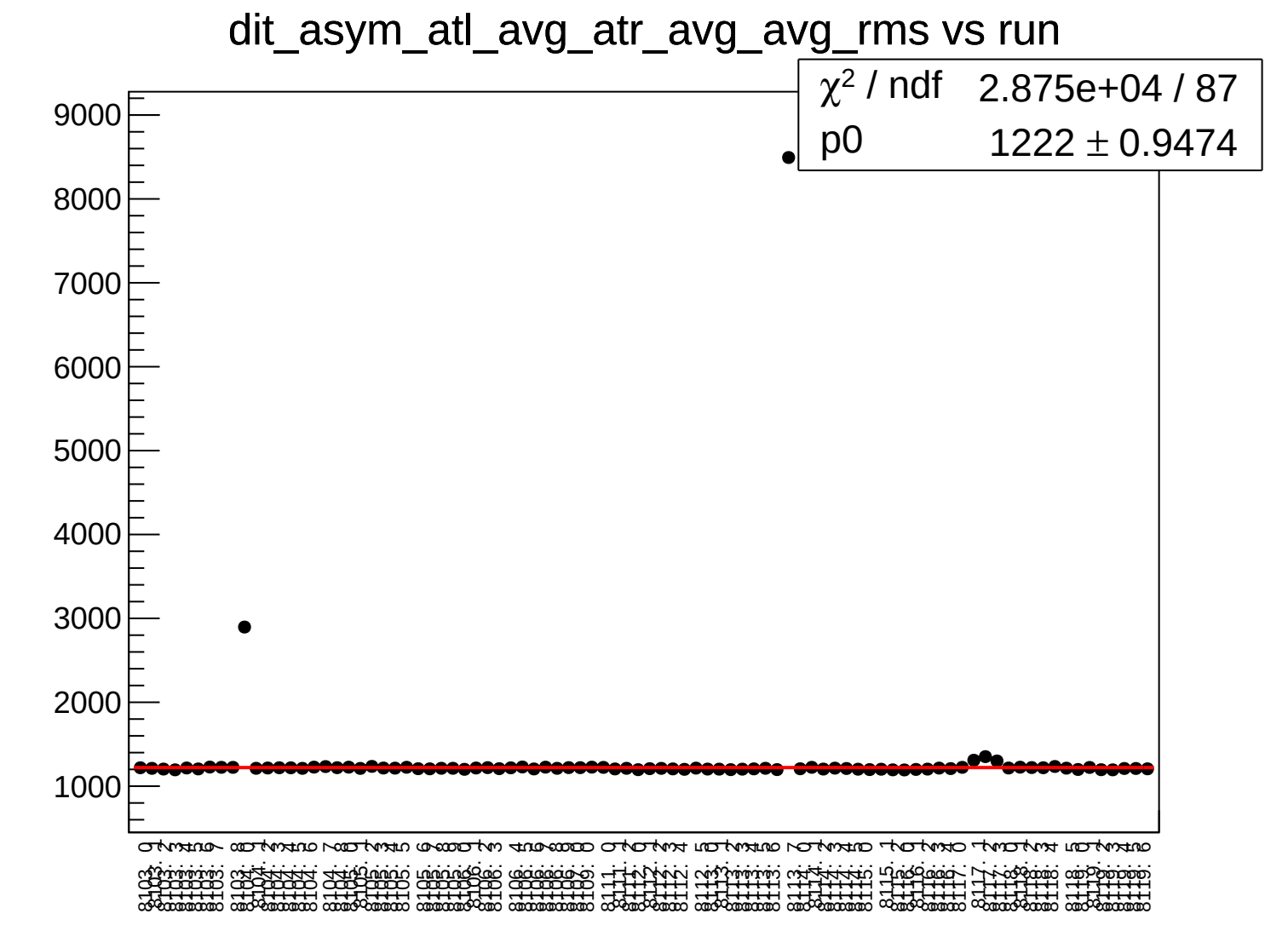

asym_atr_dd_mean vs run
×10^3
χ² / ndf 89.97 / 87
p0 9257 ± 7005
200
100
0
−100
−200
−300
pull
Entries 88
Mean 353.5
Std Dev 300.1
2
1
0
−1
−2
−3

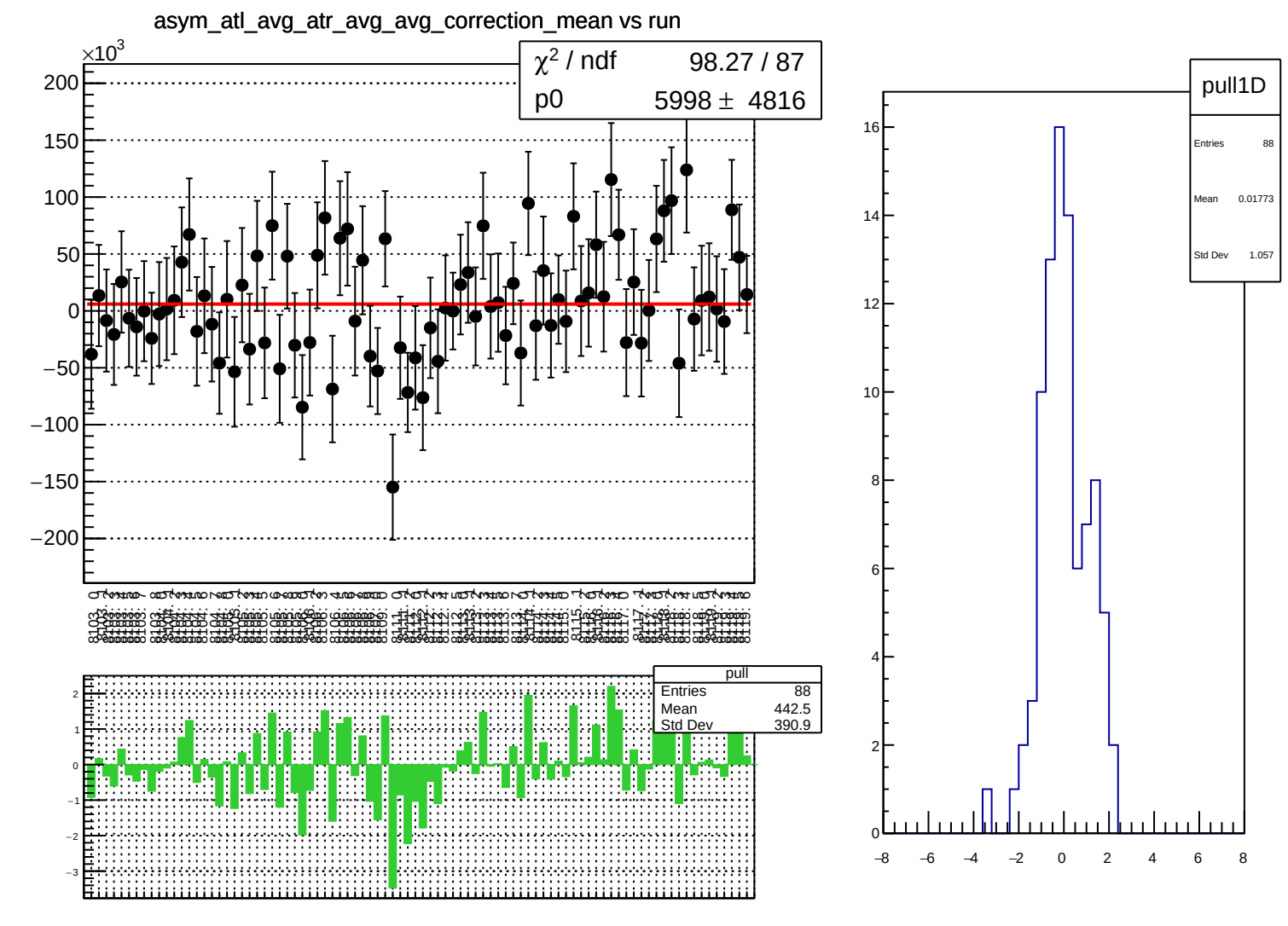

pull1D
Entries 88
Mean 0.01627
Std Dev 1.011
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

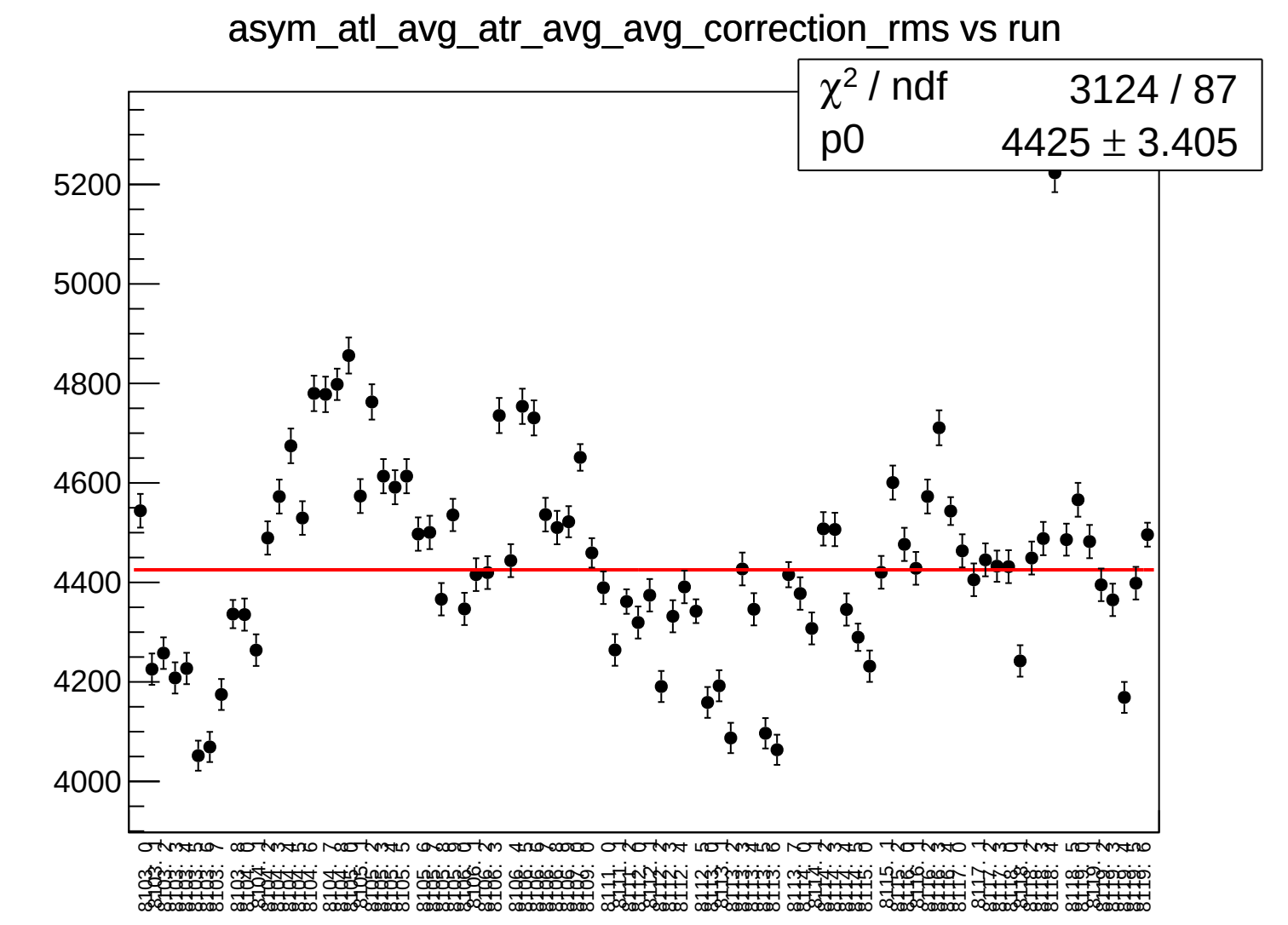

asym_atr_dd_rms vs run
χ^2 / ndf 3498 / 87
p0 6436 ± 4.953
8000
7500
7000
6500
6000

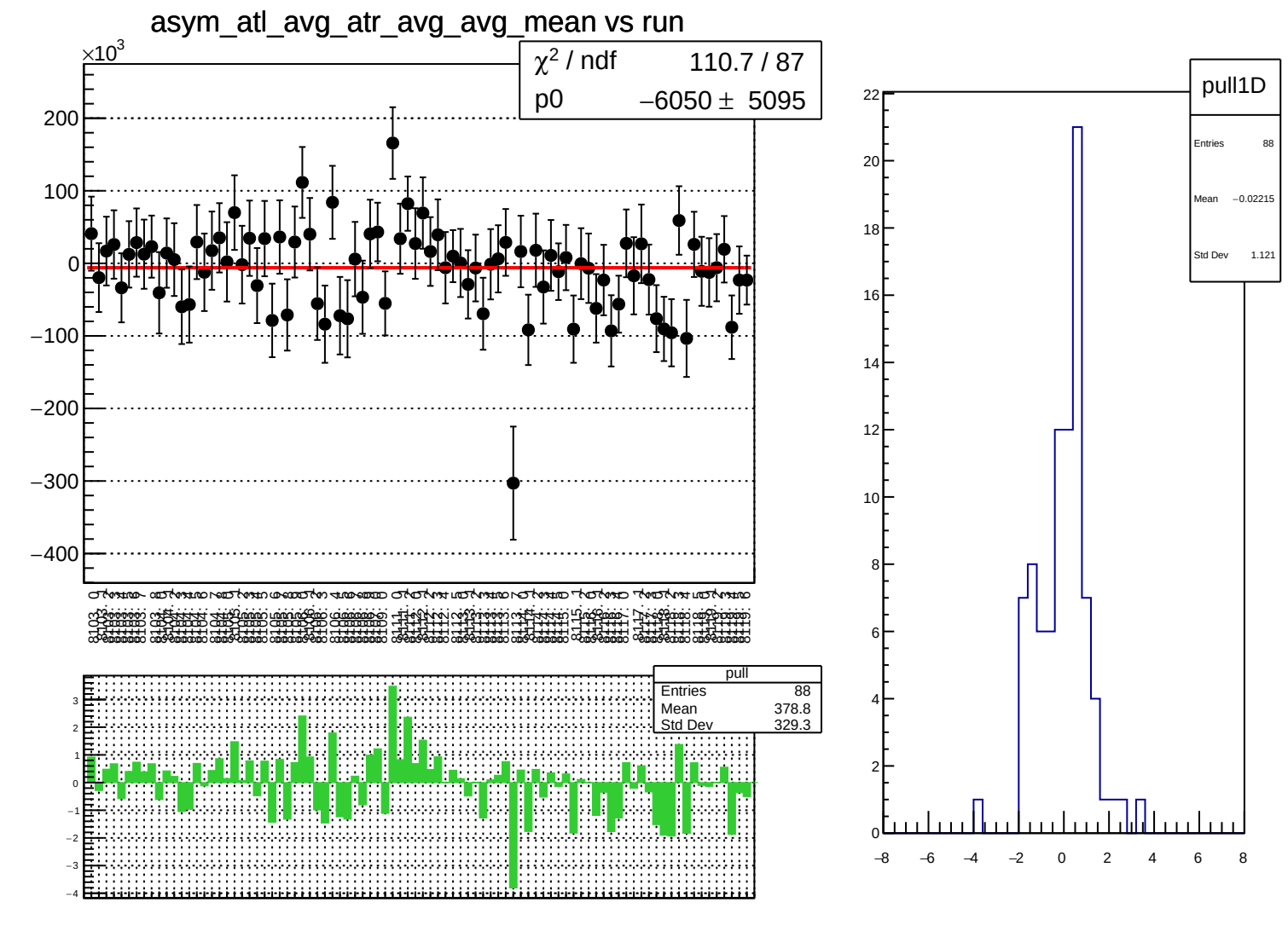

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 82.44 / 87
p0 2369 ± 1340
×10³
pull
Entries 88
Mean 68.27
Std Dev 36.39

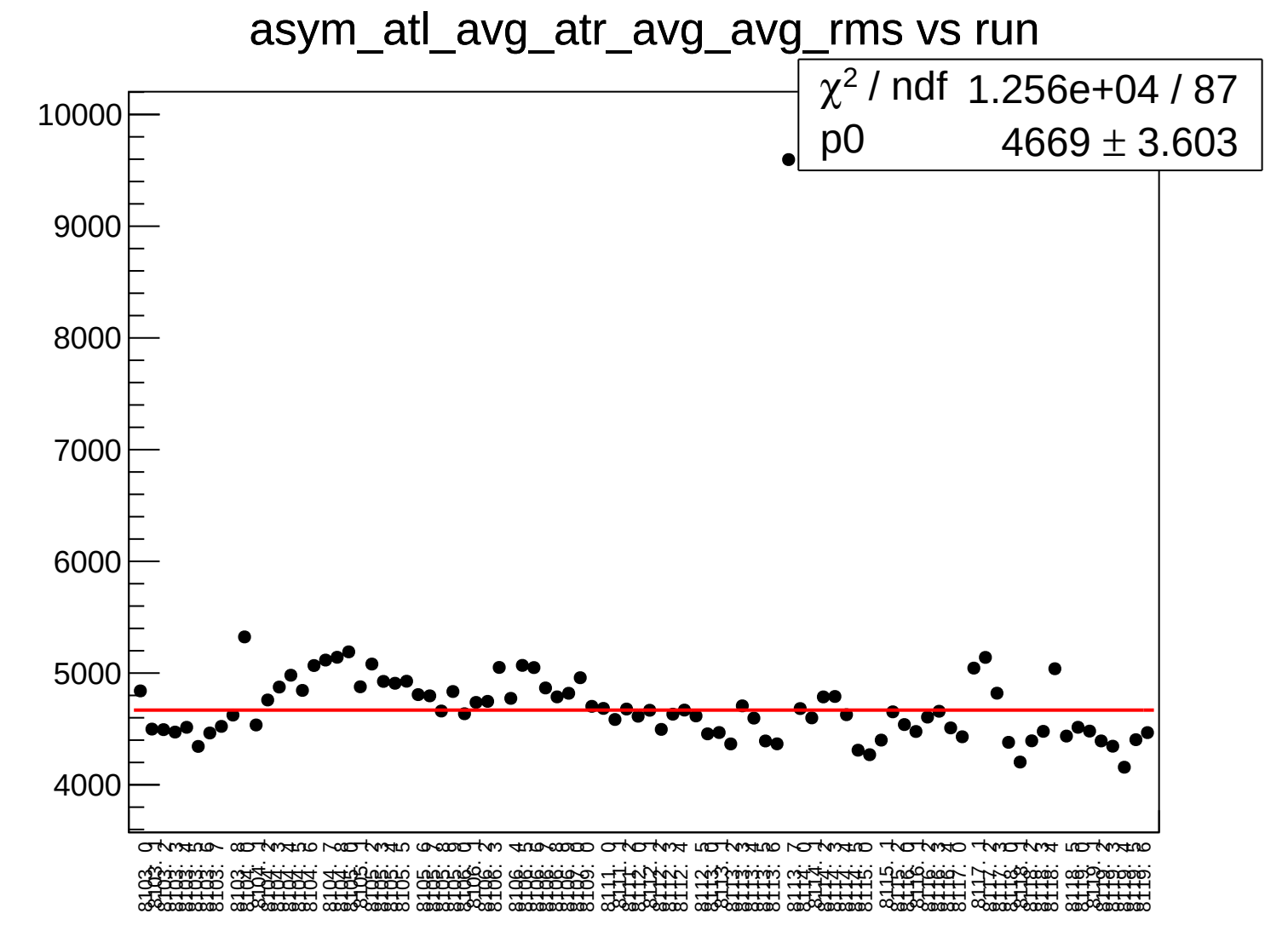

pull1D
Entries 88
Mean −0.04376
Std Dev 0.9669

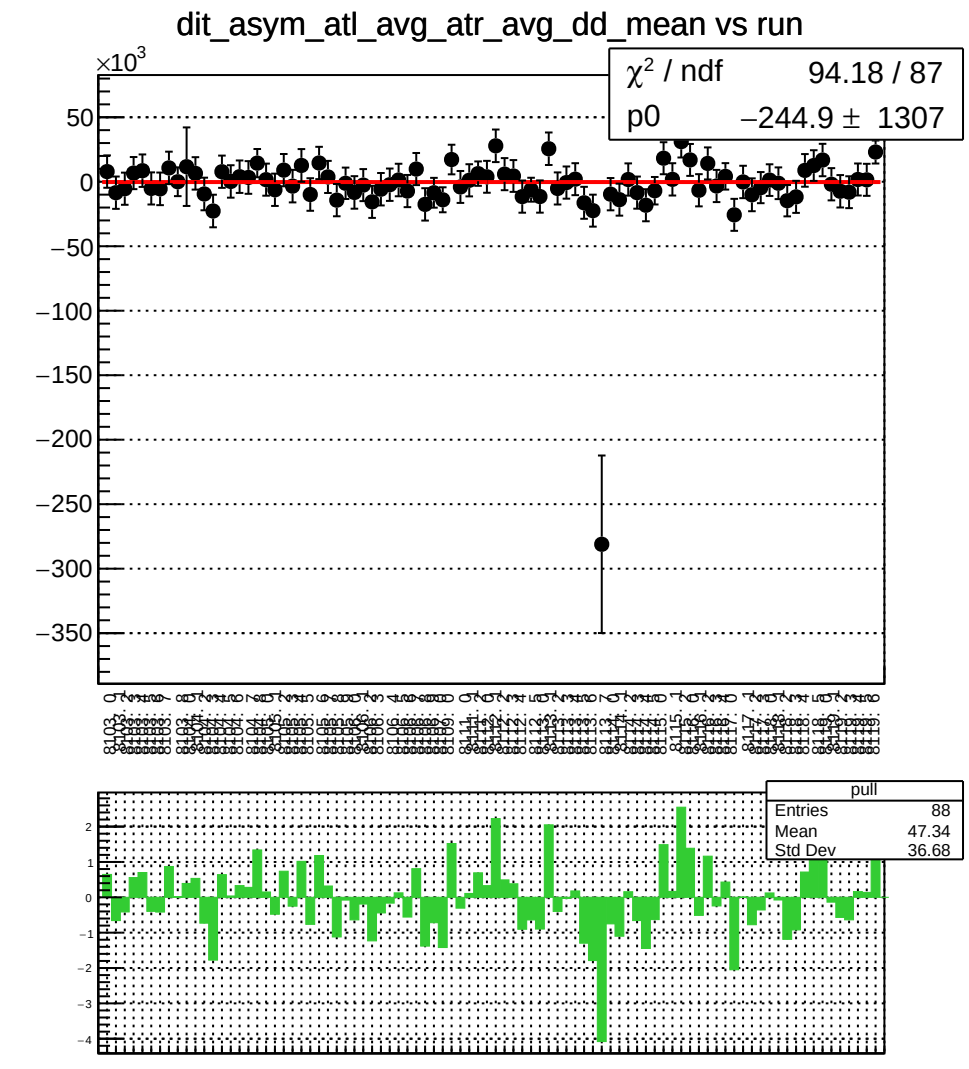

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.875e+04 / 87
p0 1222 ± 0.9474
9000
8000
7000
6000
5000
4000
3000
2000
1000

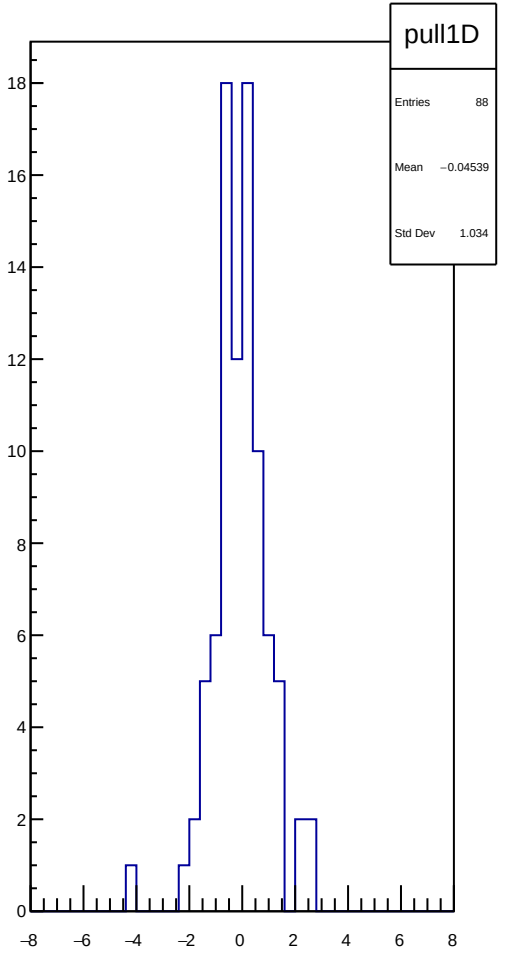

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 98.27 / 87
p0 5998 ± 4816
pull
Entries 88
Mean 442.5
Std Dev 390.9
pull1D
Entries 88
Mean 0.01773
Std Dev 1.057

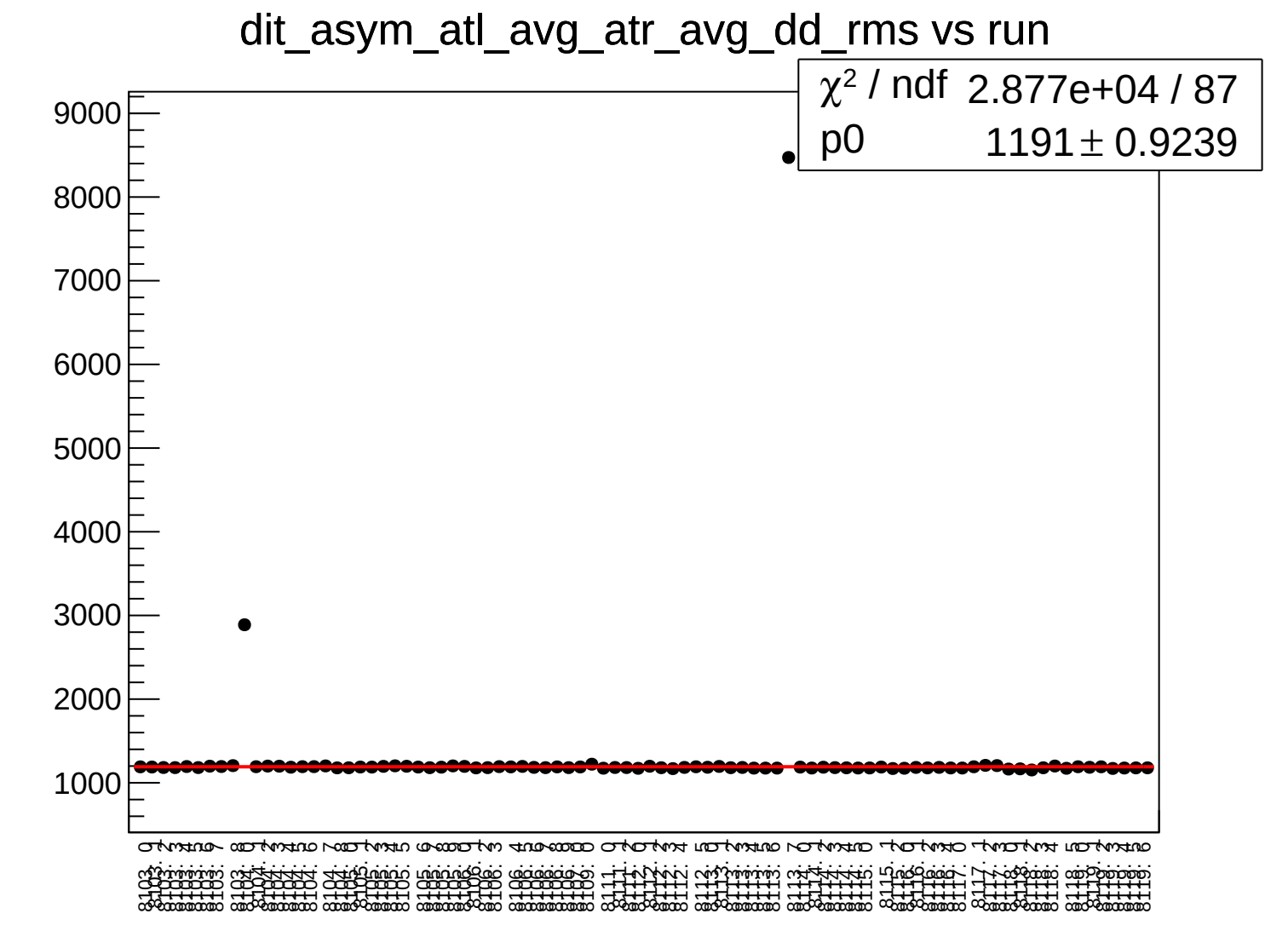

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 3124 / 87
p0 4425 ± 3.405
5200
5000
4800
4600
4400
4200
4000

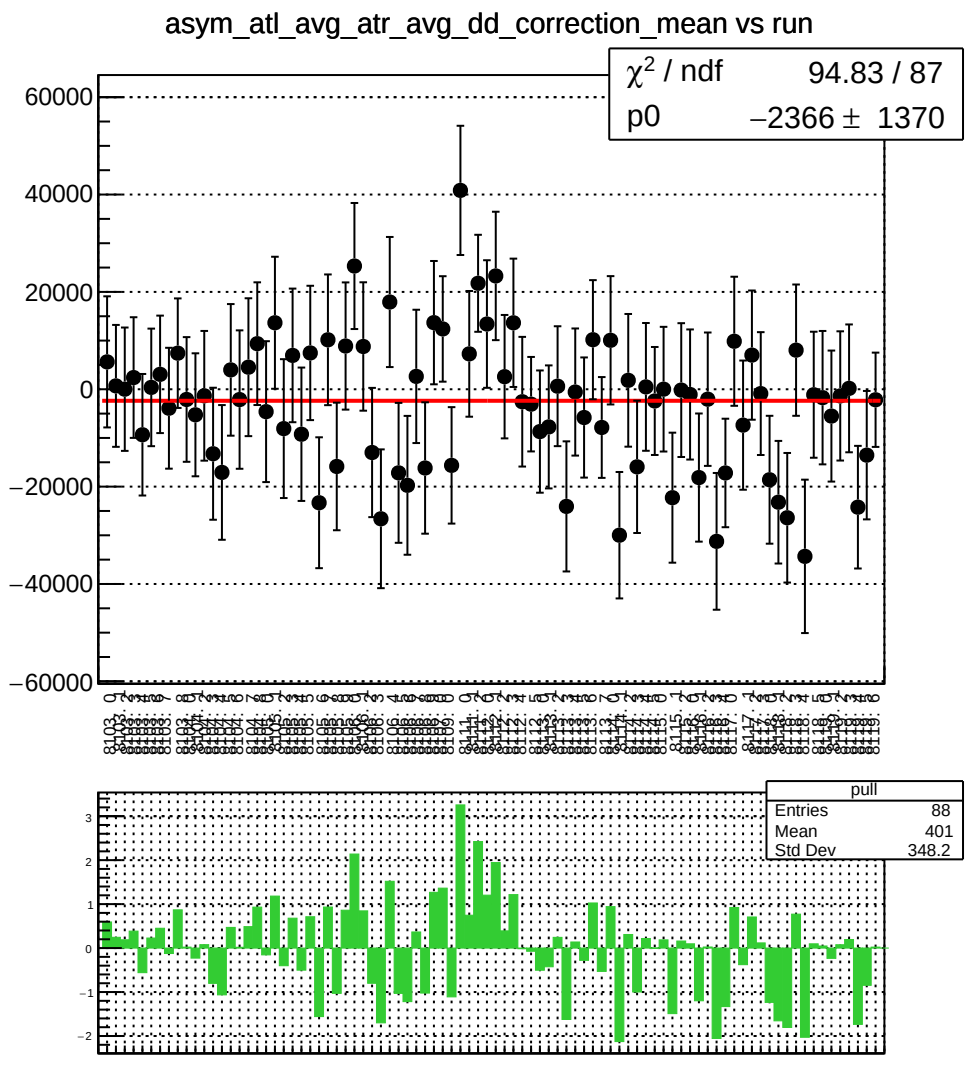

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 110.7 / 87
p0 −6050 ± 5095
200
100
0
−100
−200
−300
−400
pull
Entries 88
Mean 378.8
Std Dev 329.3
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 88
Mean −0.02215
Std Dev 1.121
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

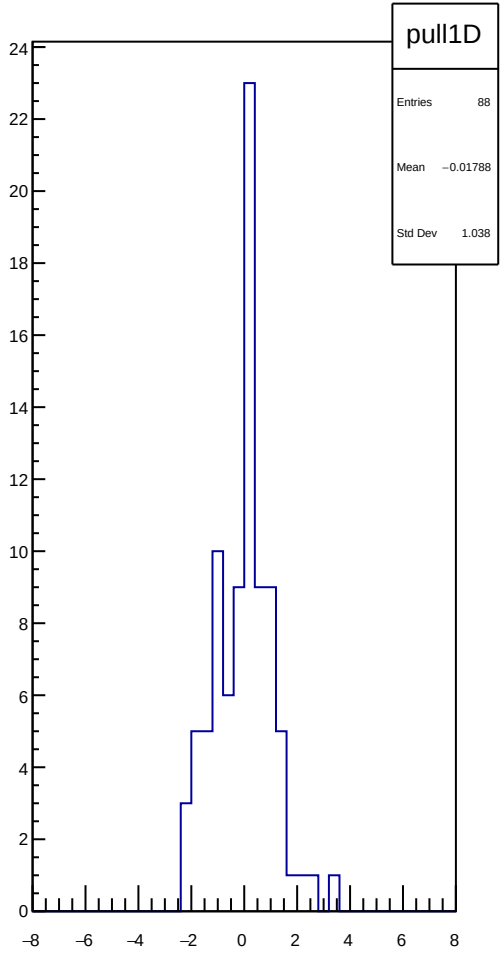

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.256e+04 / 87
p0 4669 ± 3.603
10000
9000
8000
7000
6000
5000
4000

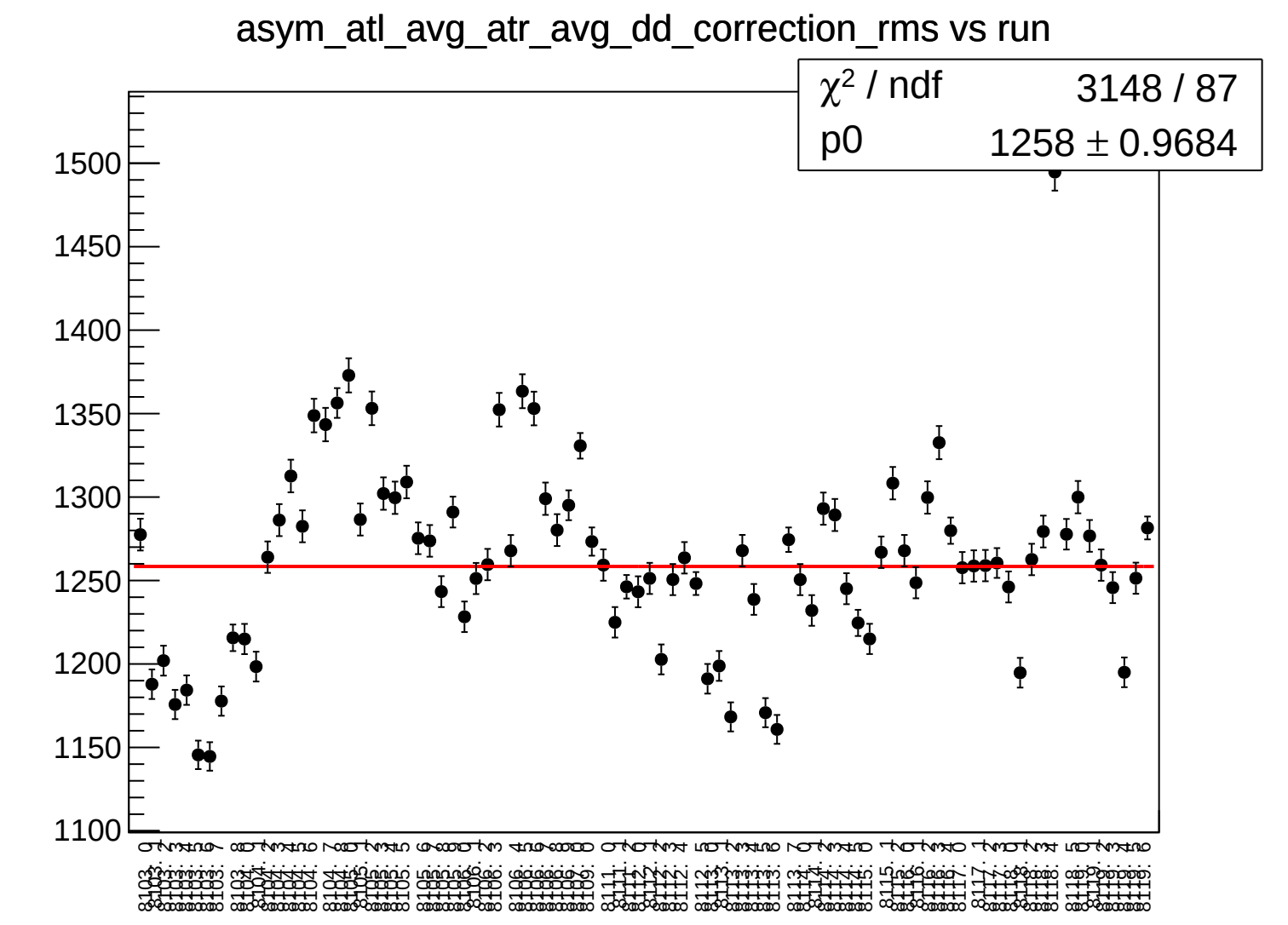

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 94.18 / 87
p0 −244.9 ± 1307
50
0
−50
−100
−150
−200
−250
−300
−350
pull
Entries 88
Mean 47.34
Std Dev 36.68
2
1
0
−1
−2
−3
−4

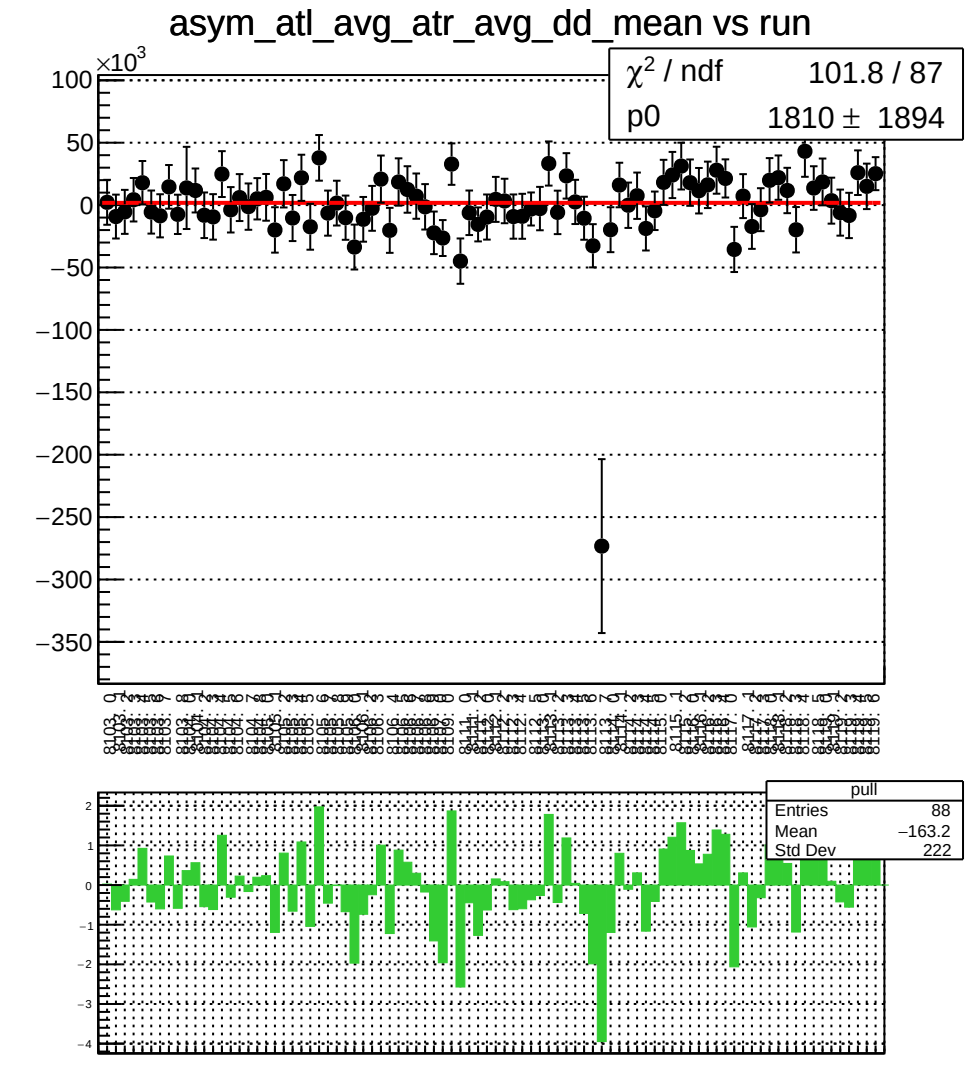

pull1D
Entries 88
Mean −0.04539
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

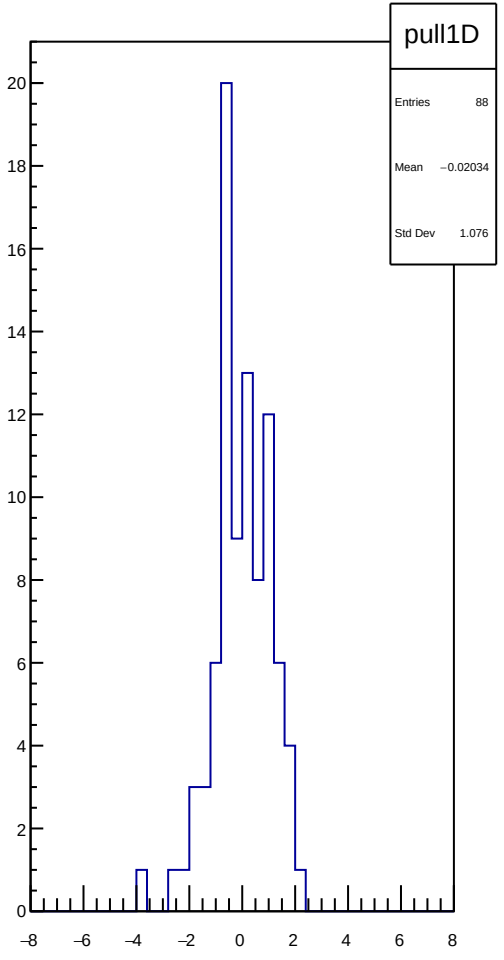

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.877e+04 / 87
p0 1191 ± 0.9239
9000
8000
7000
6000
5000
4000
3000
2000
1000

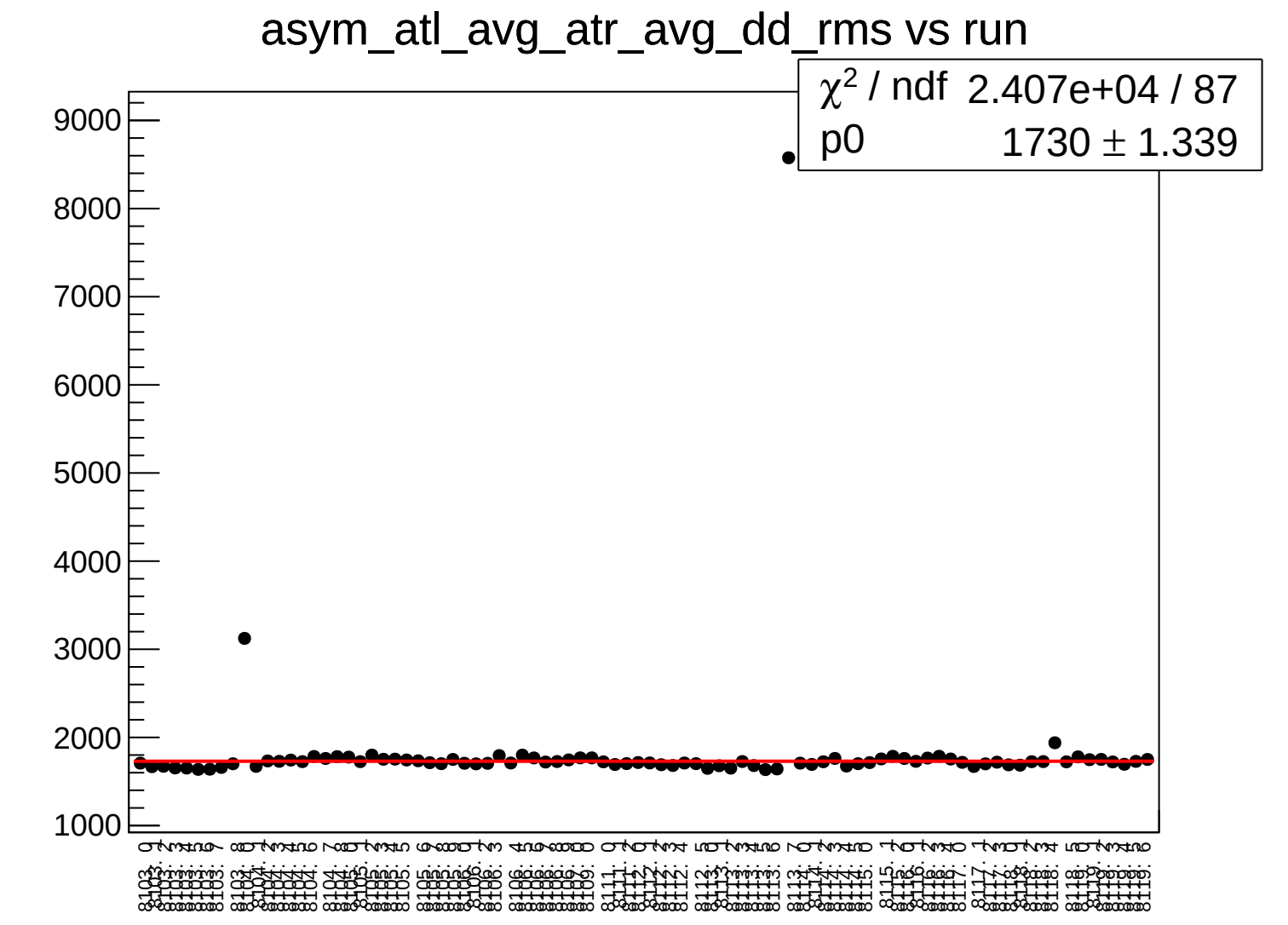

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 94.83 / 87
p0 −2366 ± 1370
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 401
Std Dev 348.2
3
2
1
0
−1
−2

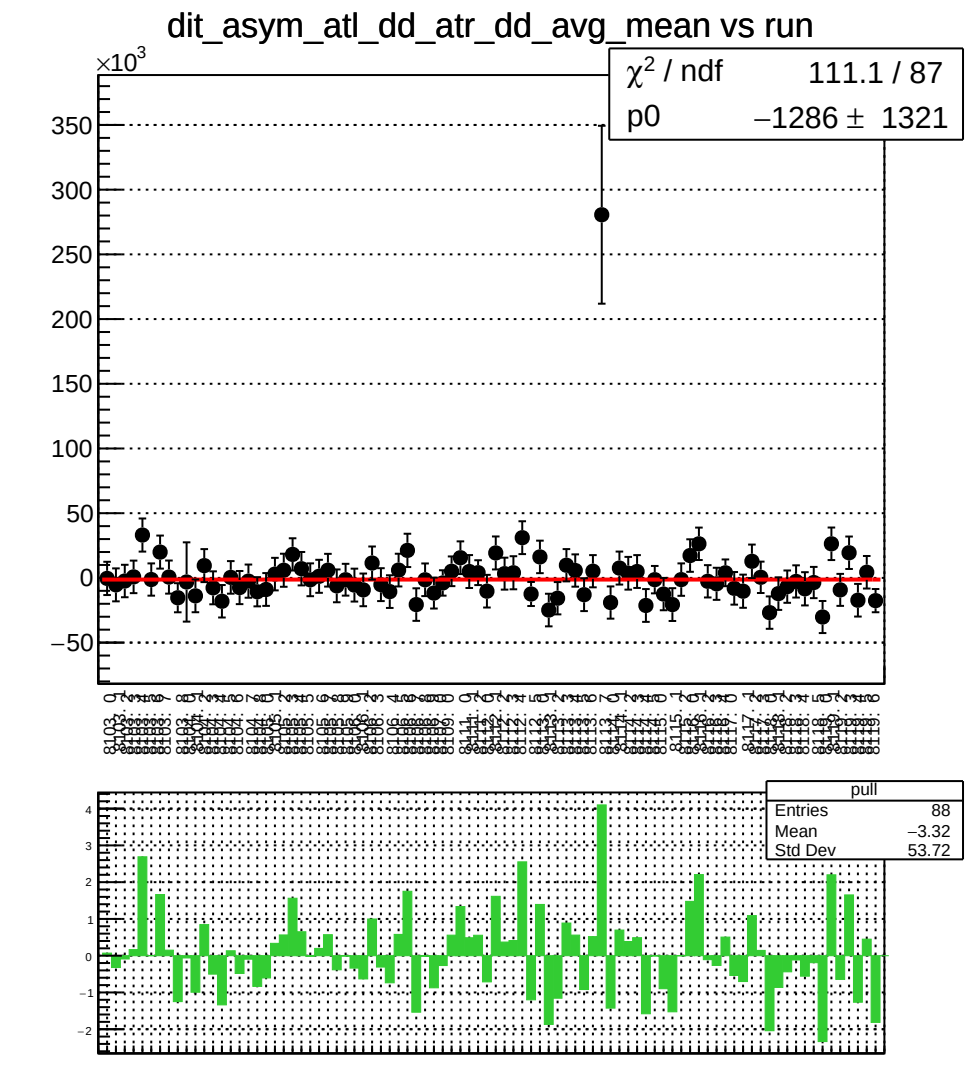

pull1D
Entries 88
Mean −0.01788
Std Dev 1.038
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

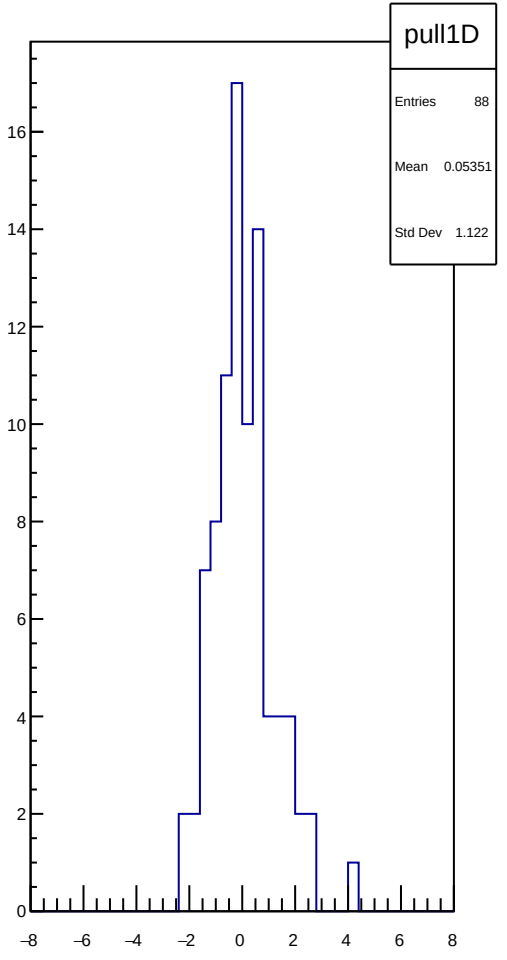

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3148 / 87
p0 1258 ± 0.9684
1500
1450
1400
1350
1300
1250
1200
1150
1100

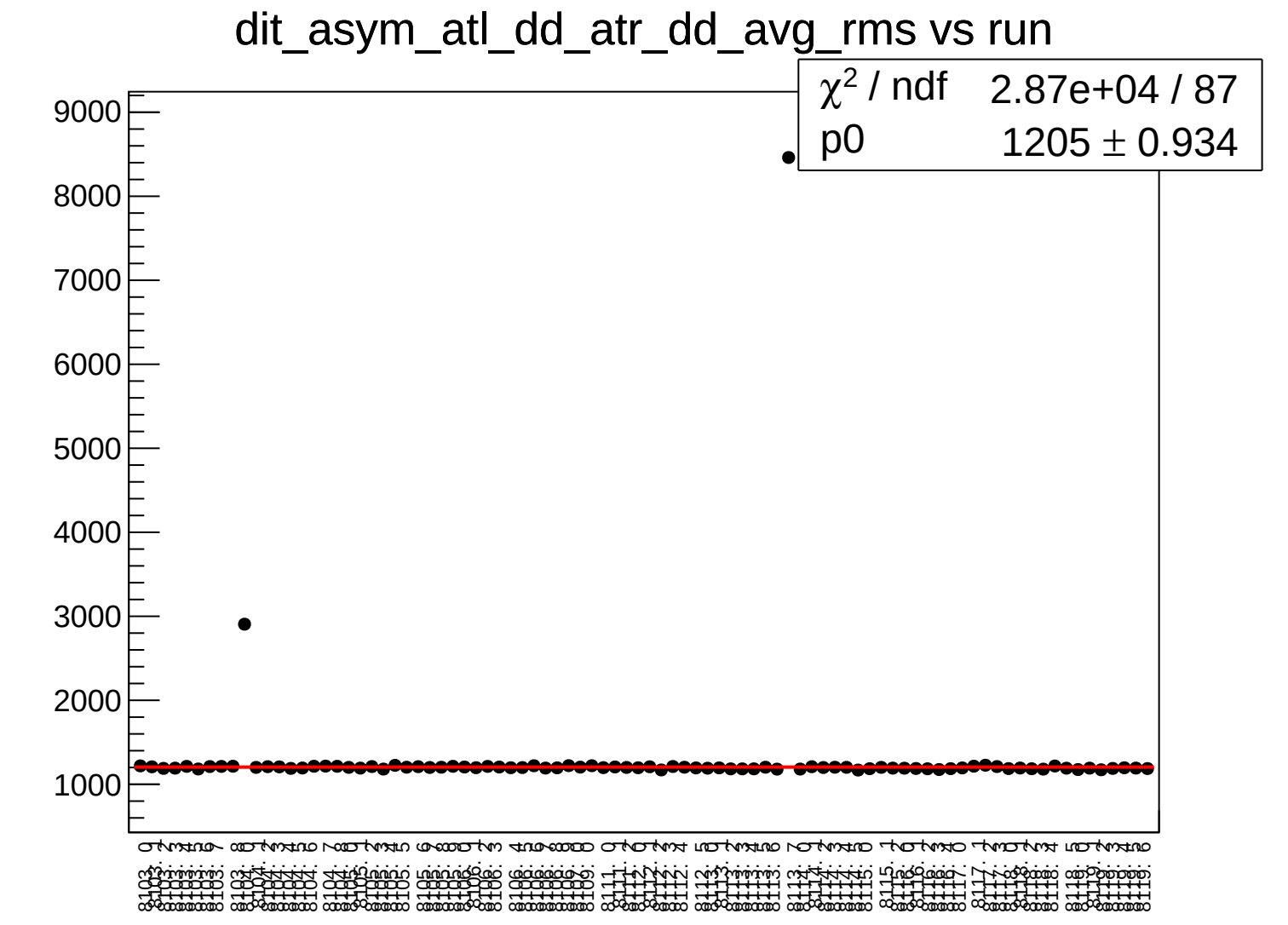

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 101.8 / 87
p0 1810 ± 1894
pull
Entries 88
Mean −163.2
Std Dev 222

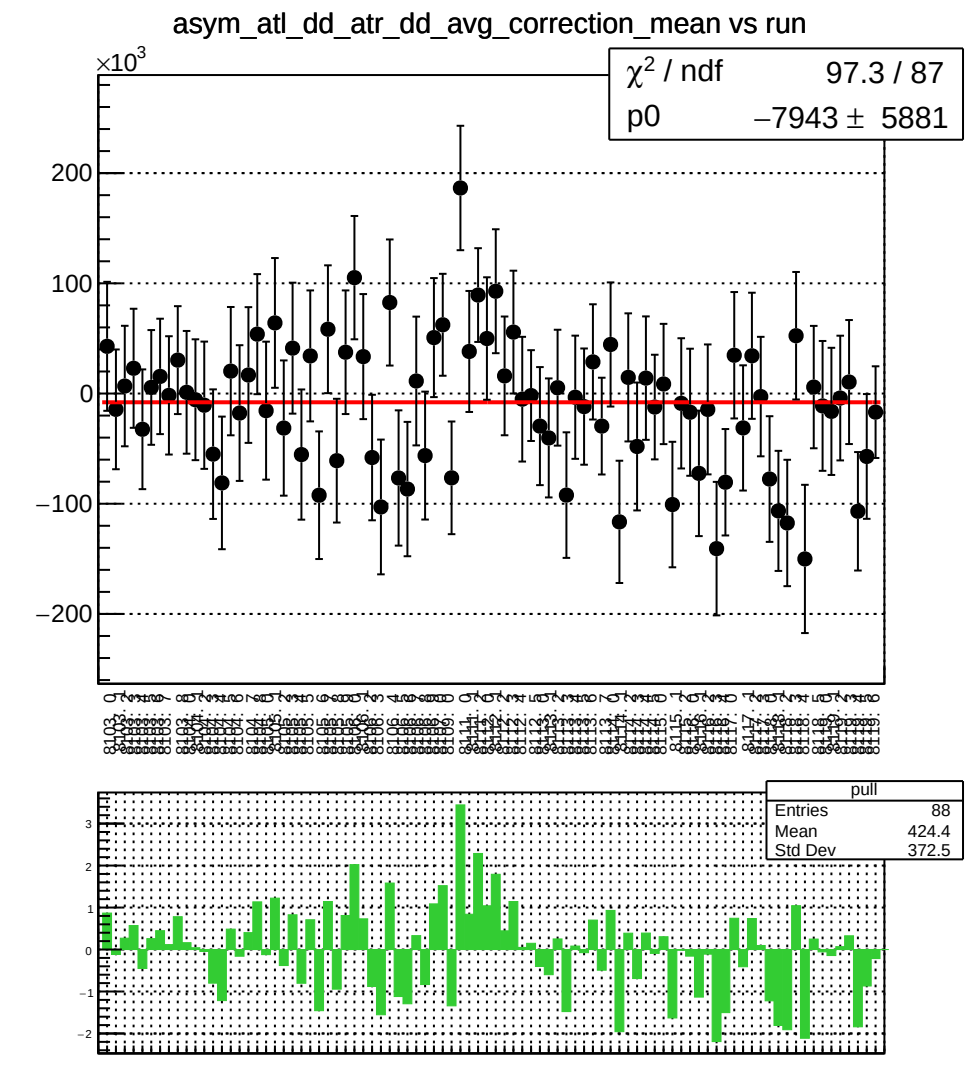

pull1D
Entries 88
Mean −0.02034
Std Dev 1.076

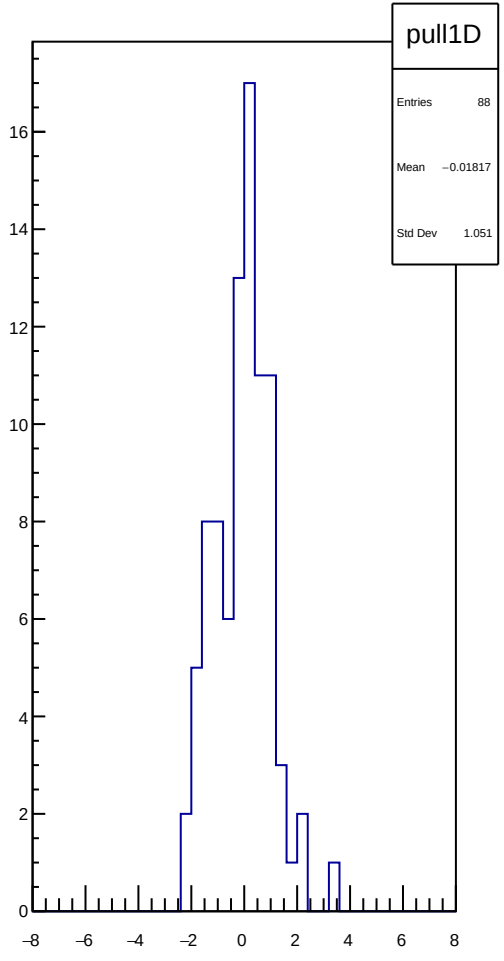

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.407e+04 / 87
p0 1730 ± 1.339
9000
8000
7000
6000
5000
4000
3000
2000
1000

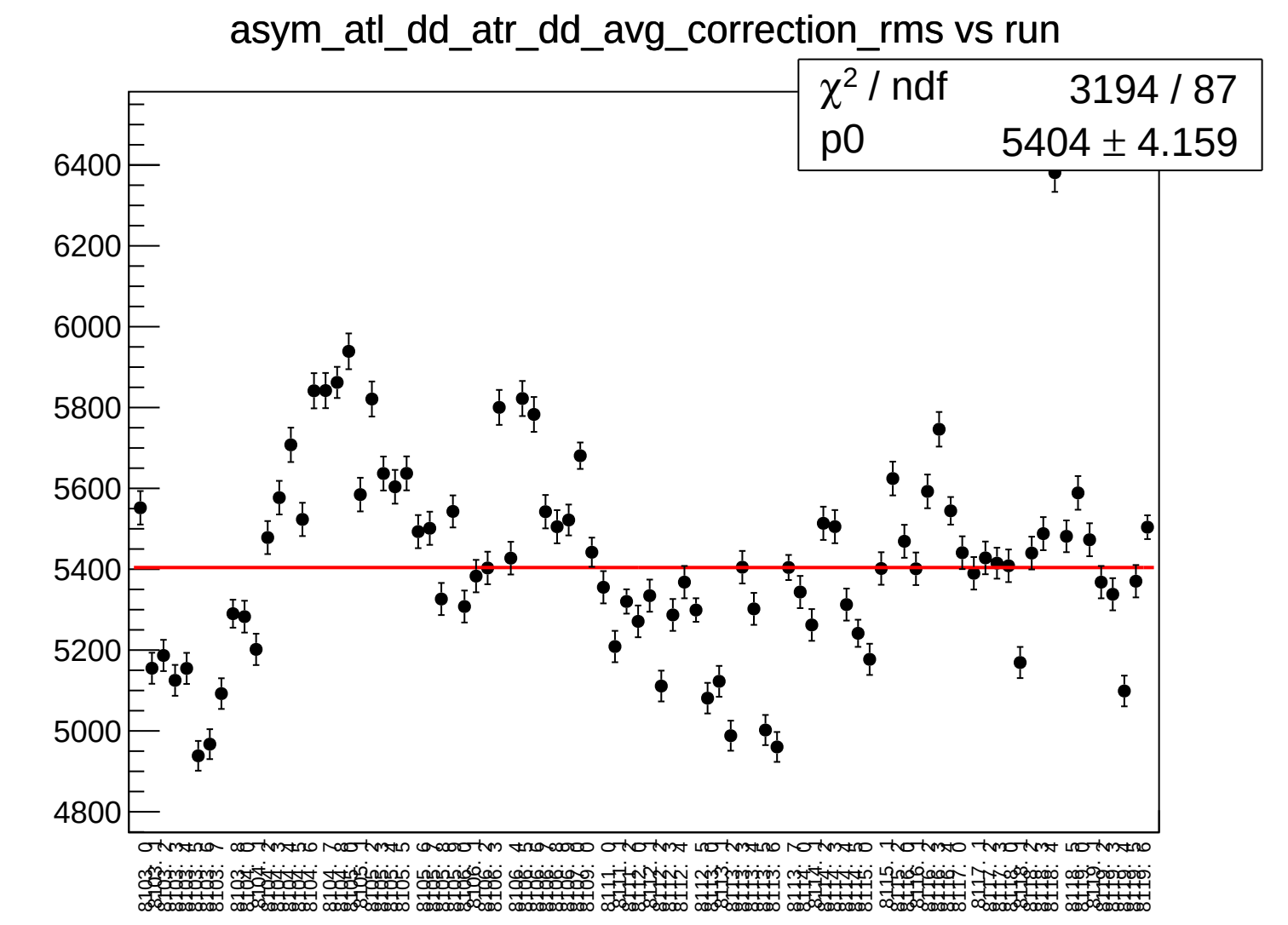

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 111.1 / 87
p0 −1286 ± 1321
350
300
250
200
150
100
50
0
−50
pull
Entries 88
Mean −3.32
Std Dev 53.72
4
3
2
1
0
−1
−2

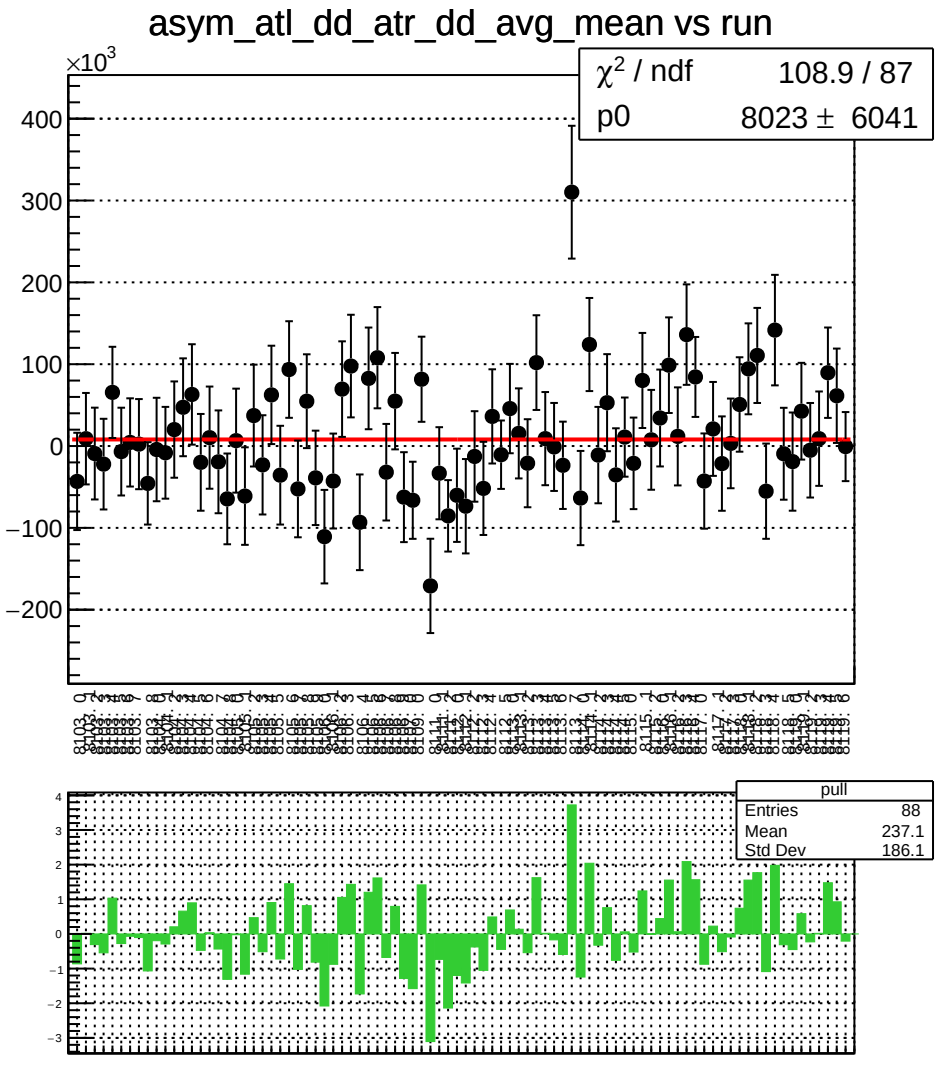

pull1D
Entries 88
Mean 0.05351
Std Dev 1.122
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

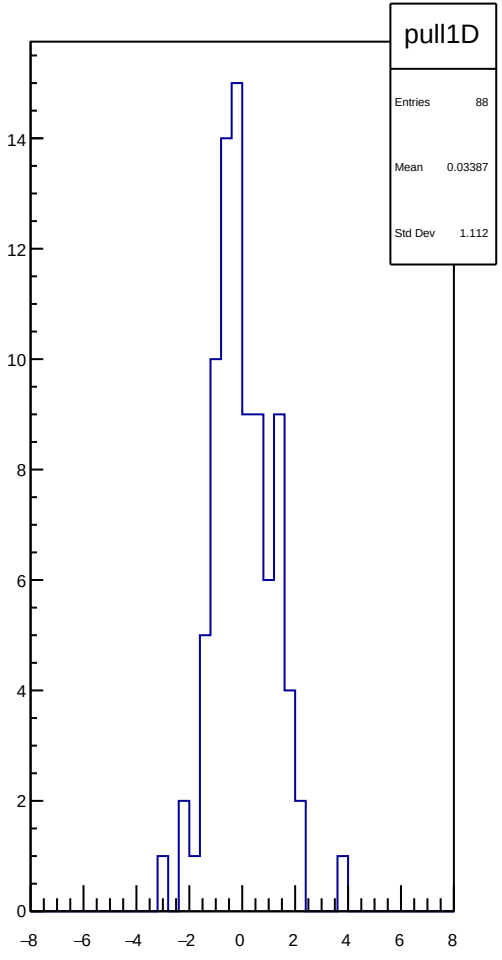

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.87e+04 / 87
p0 1205 ± 0.934
9000
8000
7000
6000
5000
4000
3000
2000
1000

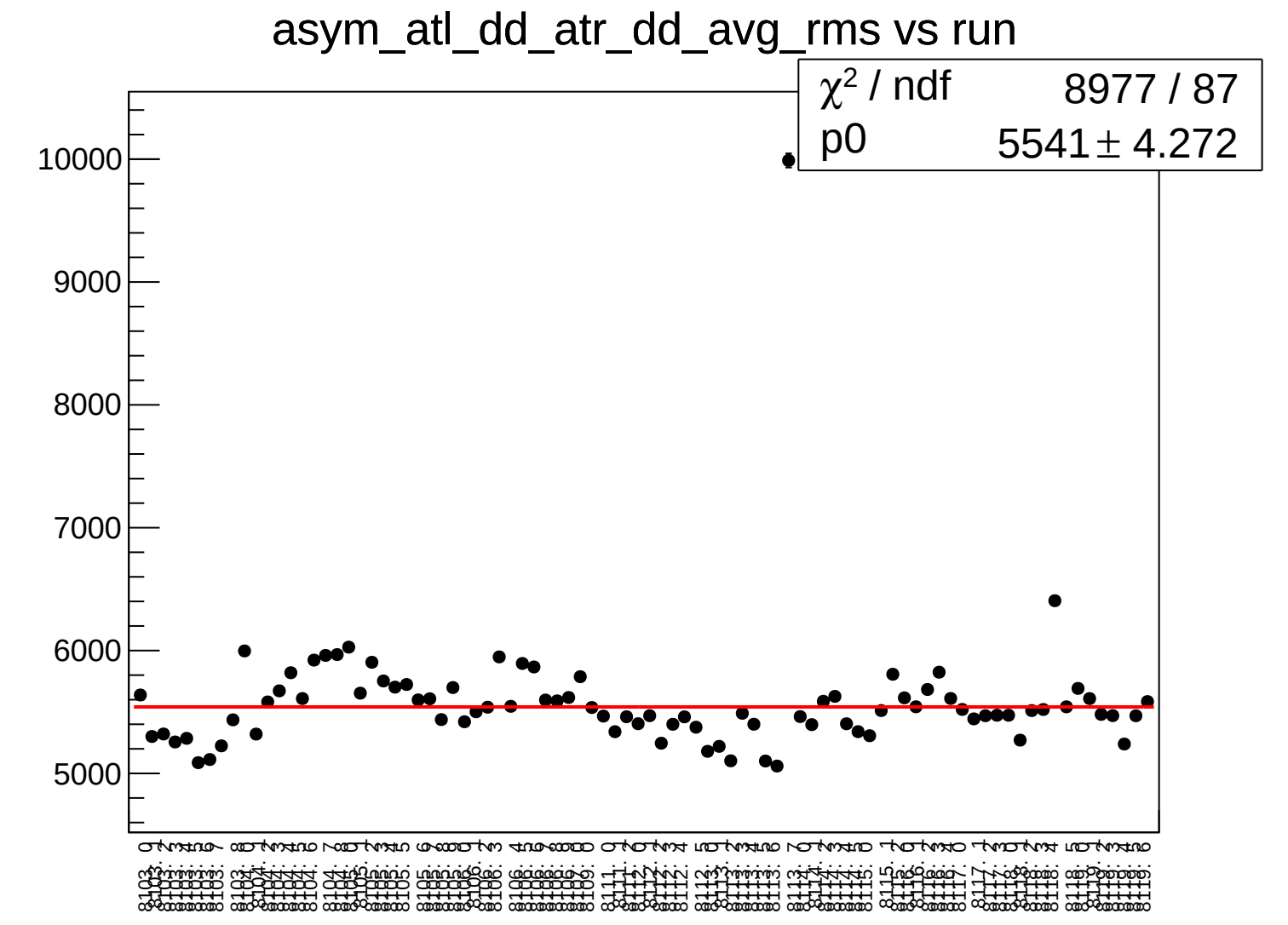

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 97.3 / 87
p0 −7943 ± 5881
200
100
0
−100
−200
pull
Entries 88
Mean 424.4
Std Dev 372.5
3
2
1
0
−1
−2

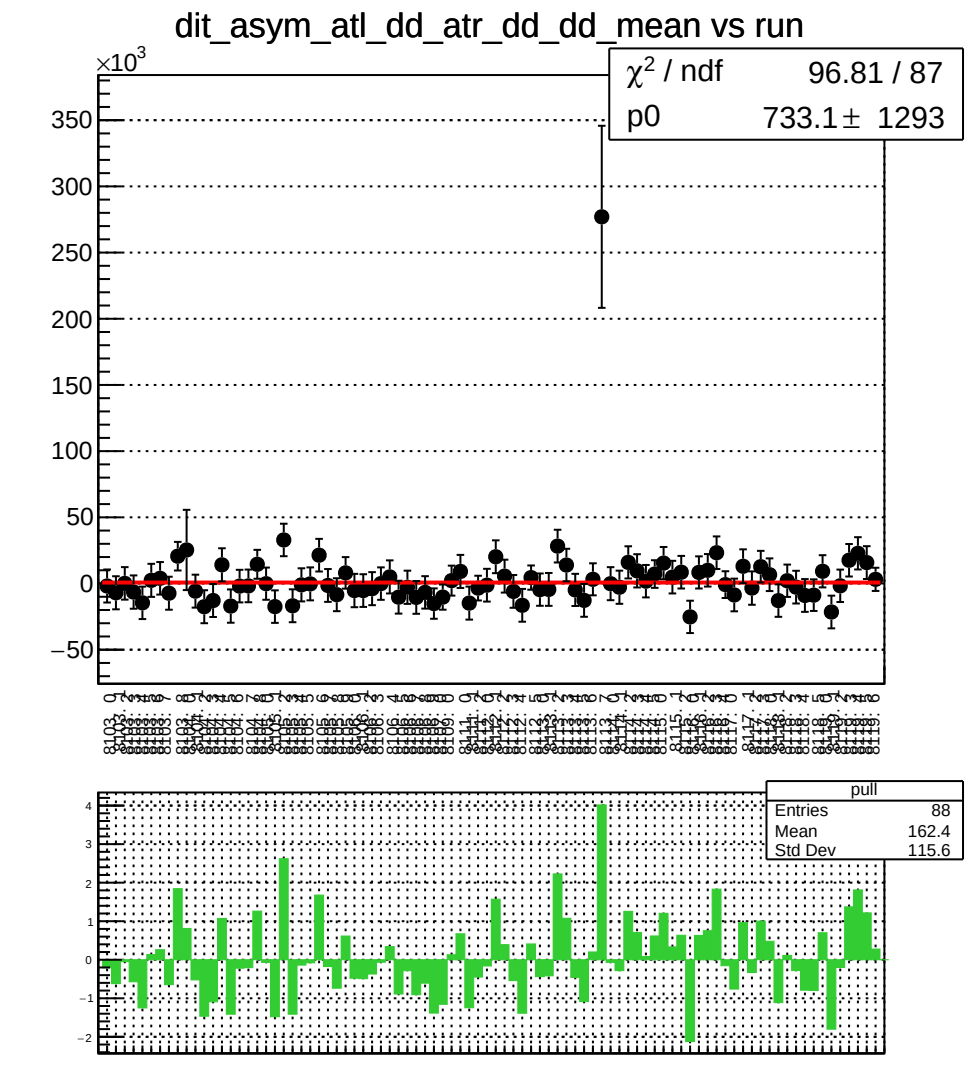

pull1D
Entries 88
Mean −0.01817
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

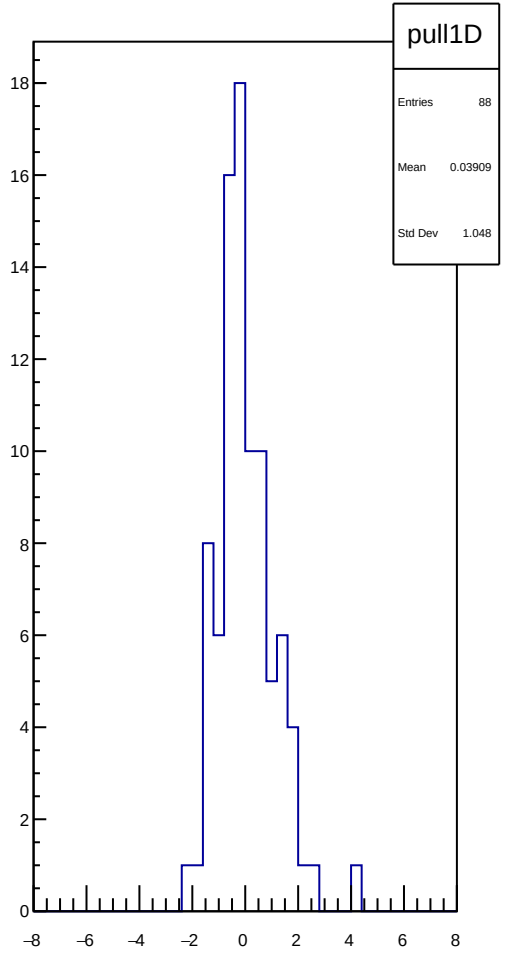

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3194 / 87
p0 5404 ± 4.159
6400
6200
6000
5800
5600
5400
5200
5000
4800

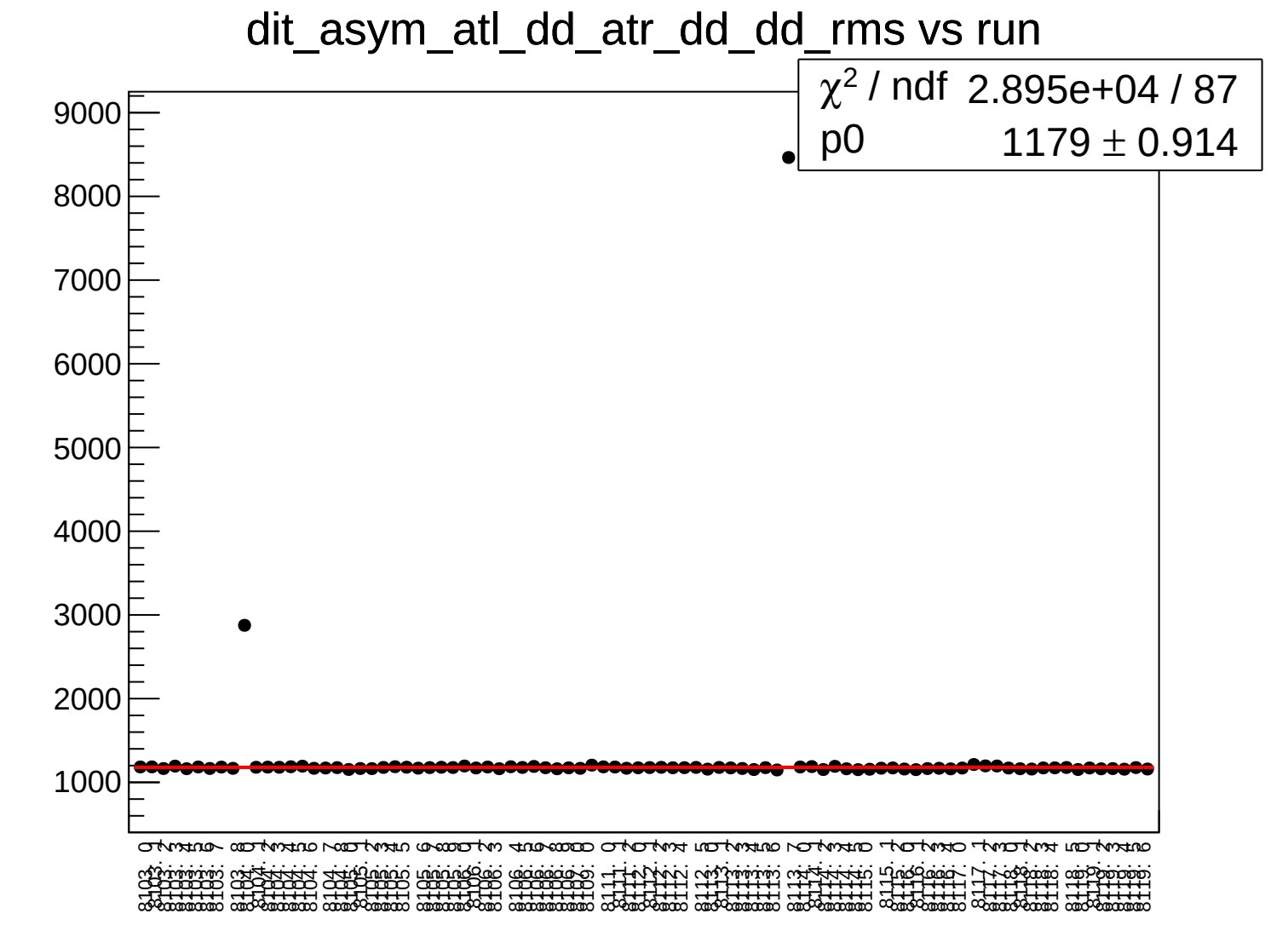

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 108.9 / 87
p0 8023 ± 6041
pull
Entries 88
Mean 237.1
Std Dev 186.1

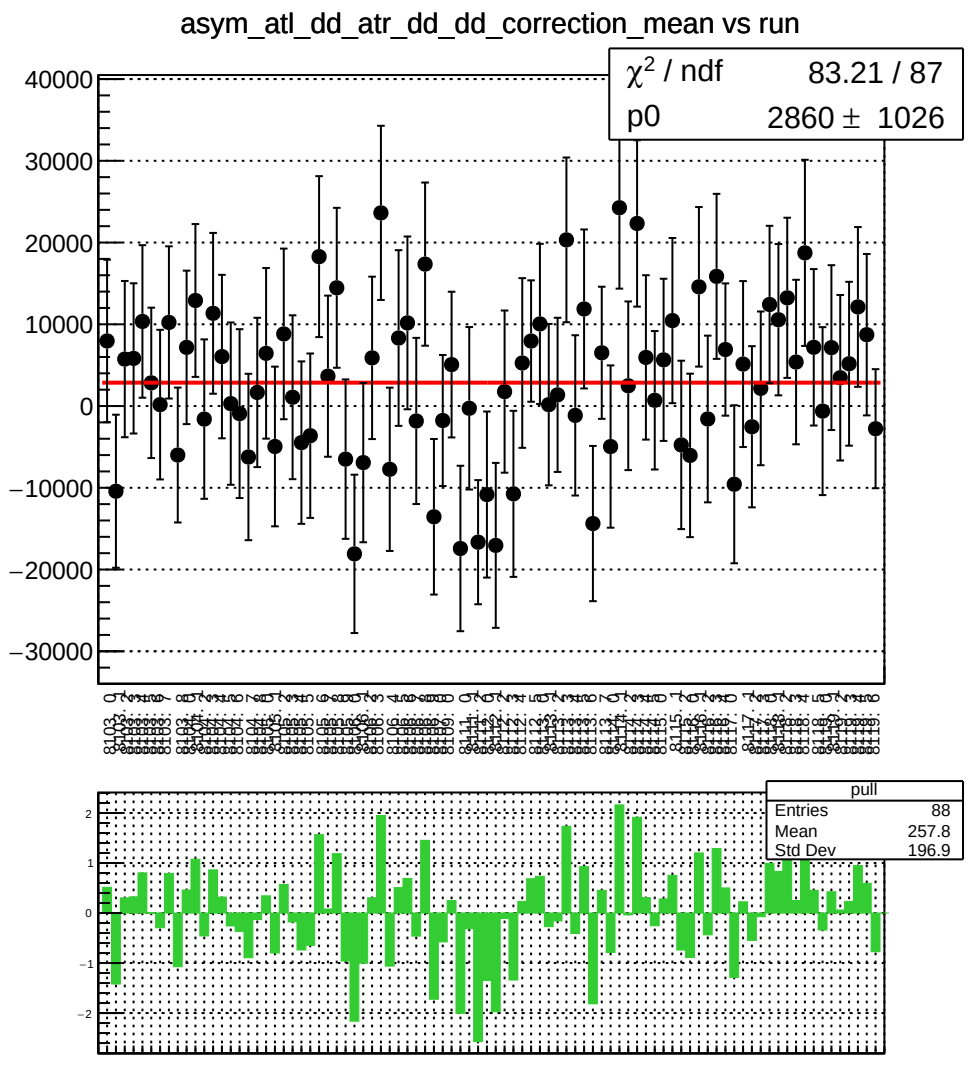

pull1D
Entries 88
Mean 0.03387
Std Dev 1.112

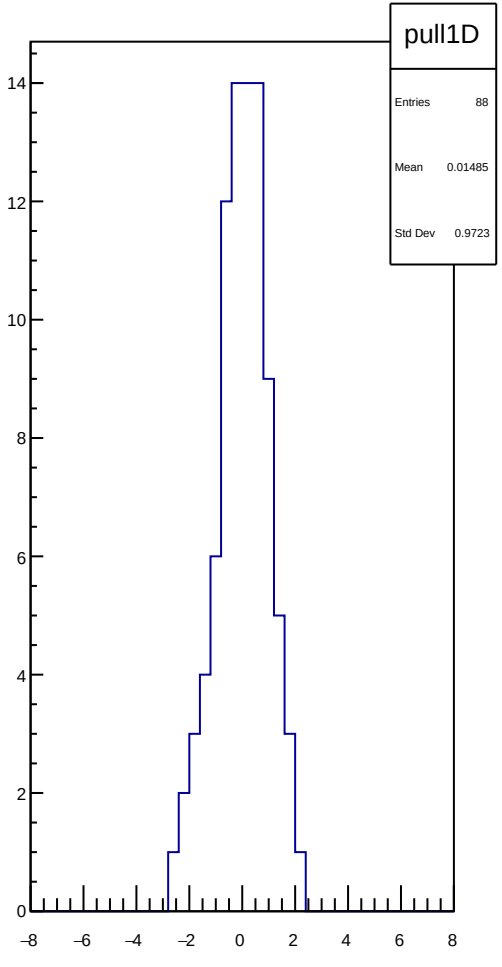

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 8977 / 87
p0 5541 ± 4.272
10000
9000
8000
7000
6000
5000

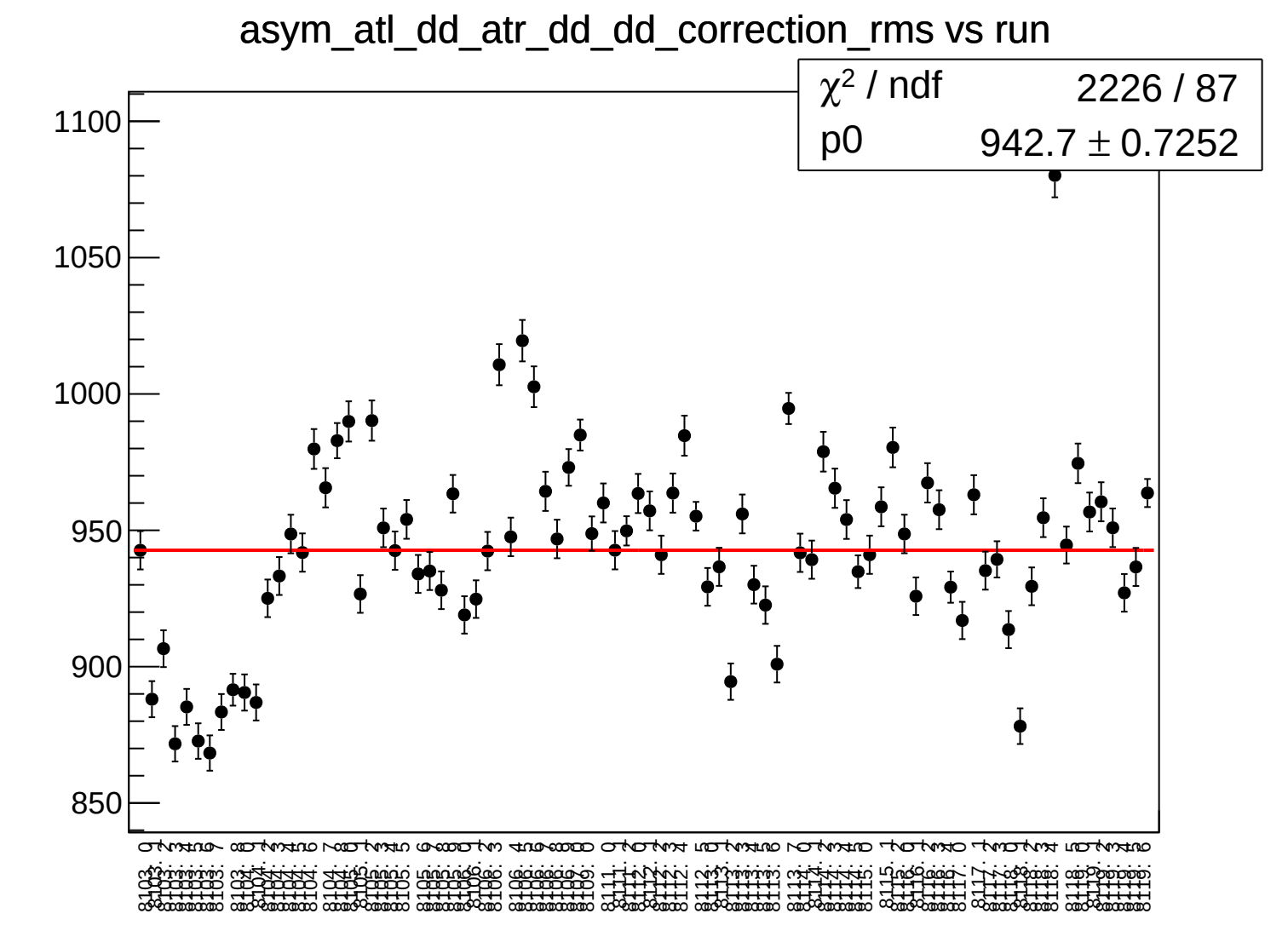

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ^2 / ndf 96.81 / 87
p0 733.1 ± 1293
350
300
250
200
150
100
50
0
−50
pull
Entries 88
Mean 162.4
Std Dev 115.6
4
3
2
1
0
−1
−2

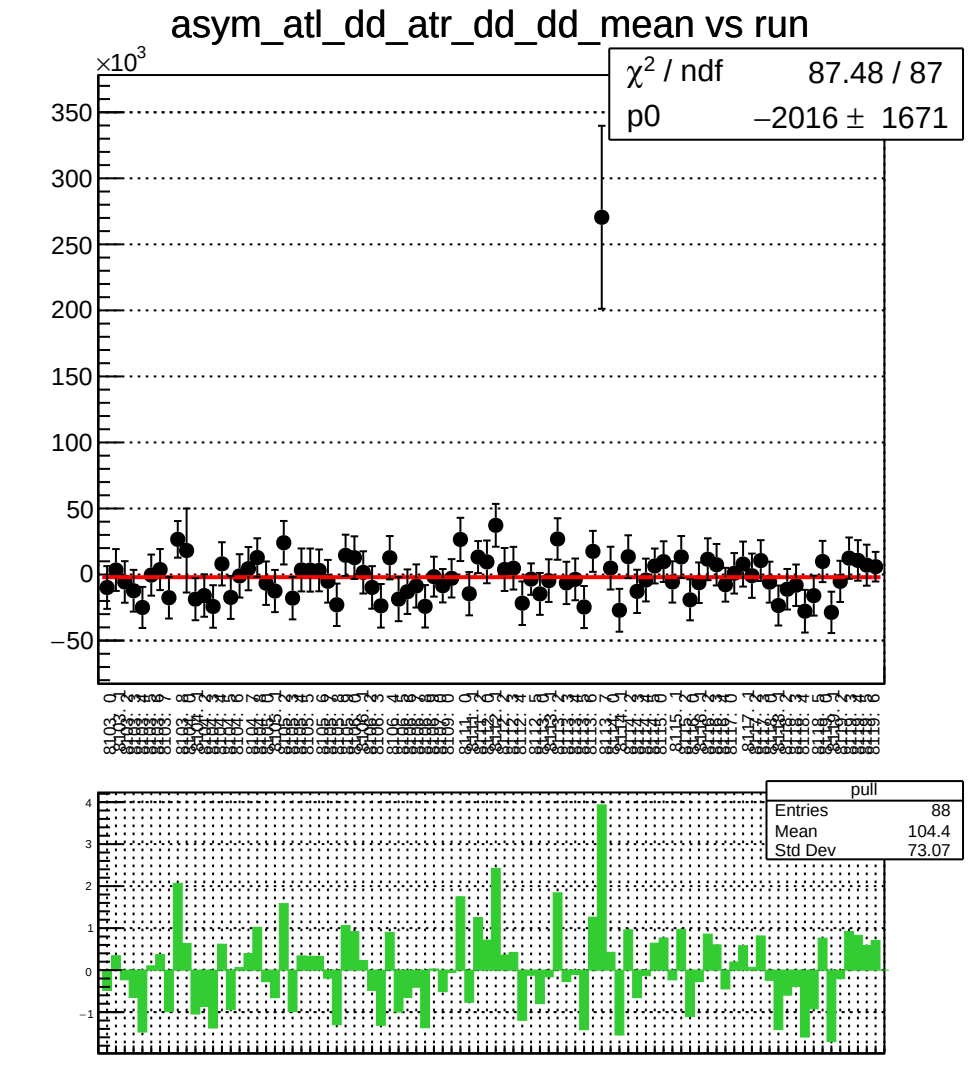

pull1D
Entries 88
Mean 0.03909
Std Dev 1.048
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

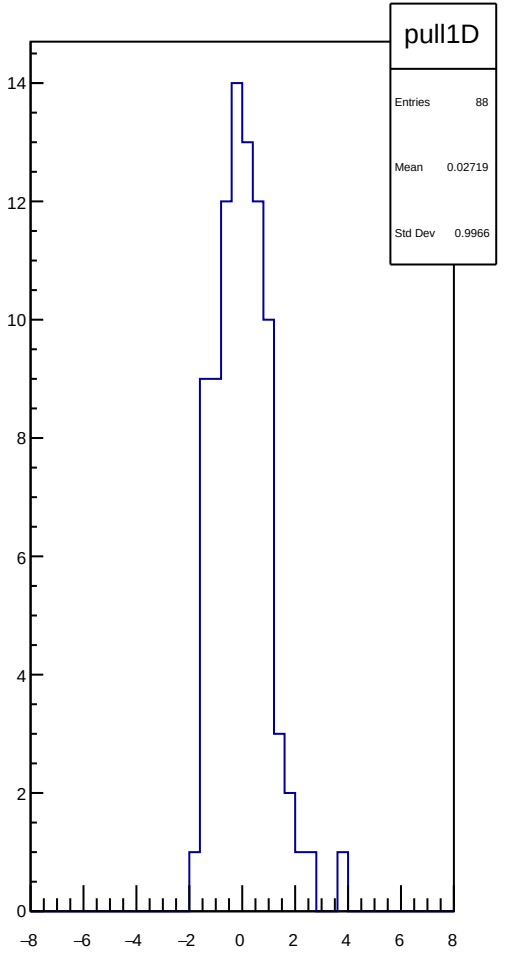

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.895e+04 / 87
p0 1179 ± 0.914
9000
8000
7000
6000
5000
4000
3000
2000
1000

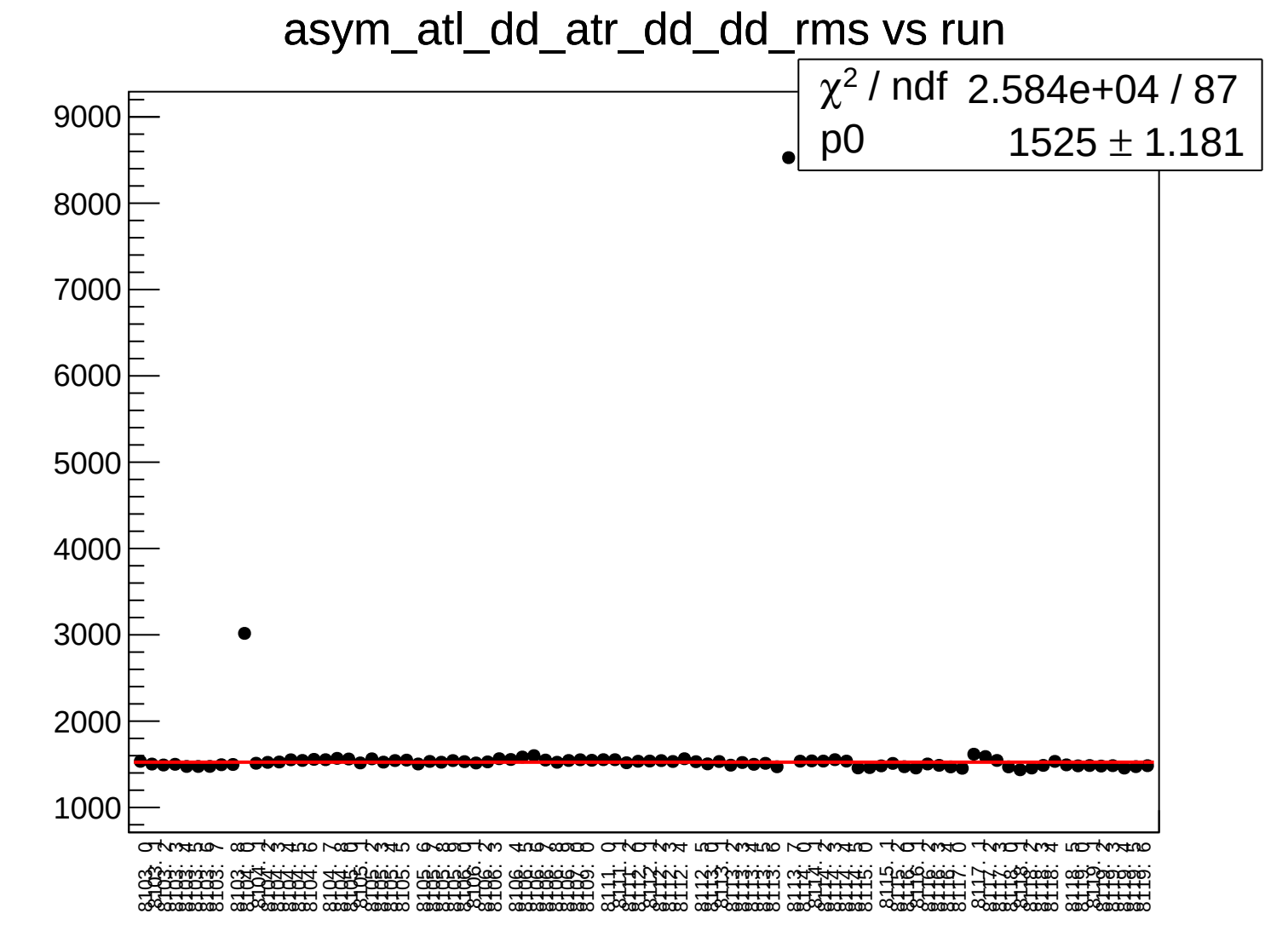

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.21 / 87
p0 2860 ± 1026
pull
Entries 88
Mean 257.8
Std Dev 196.9

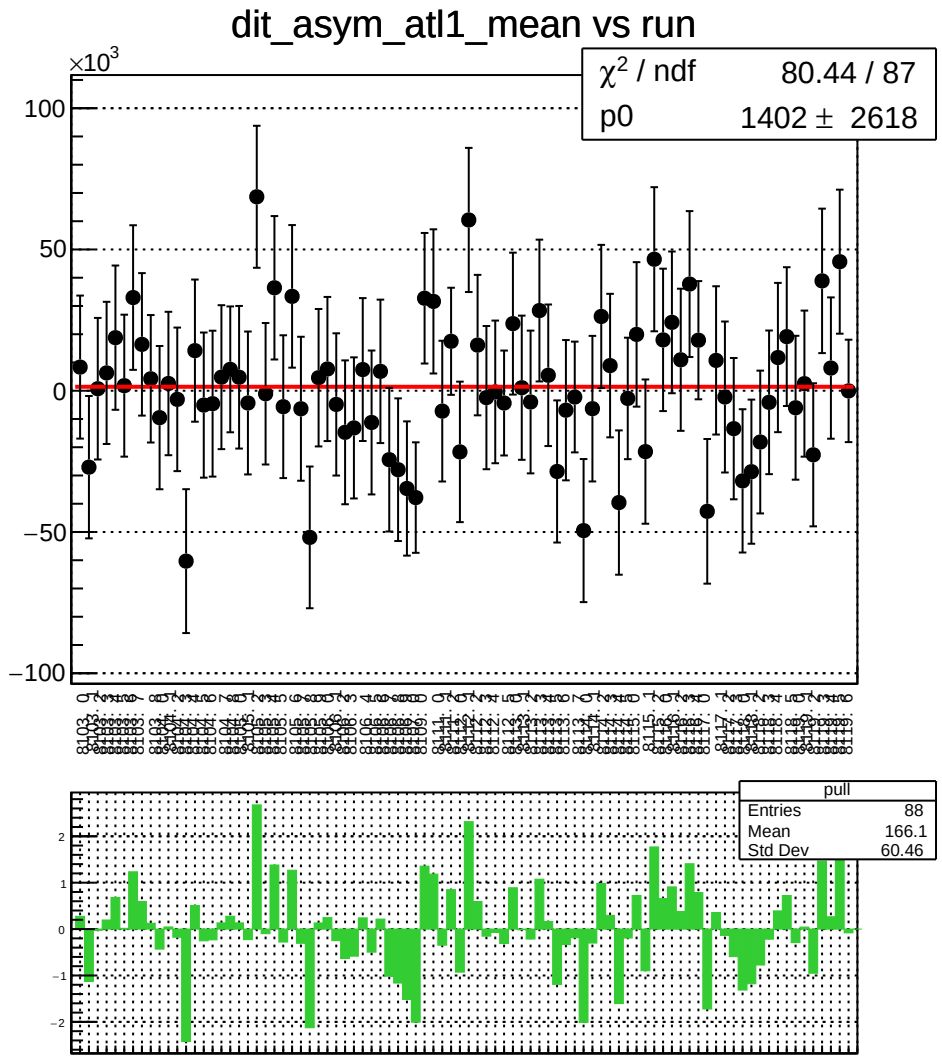

pull1D
Entries 88
Mean 0.01485
Std Dev 0.9723

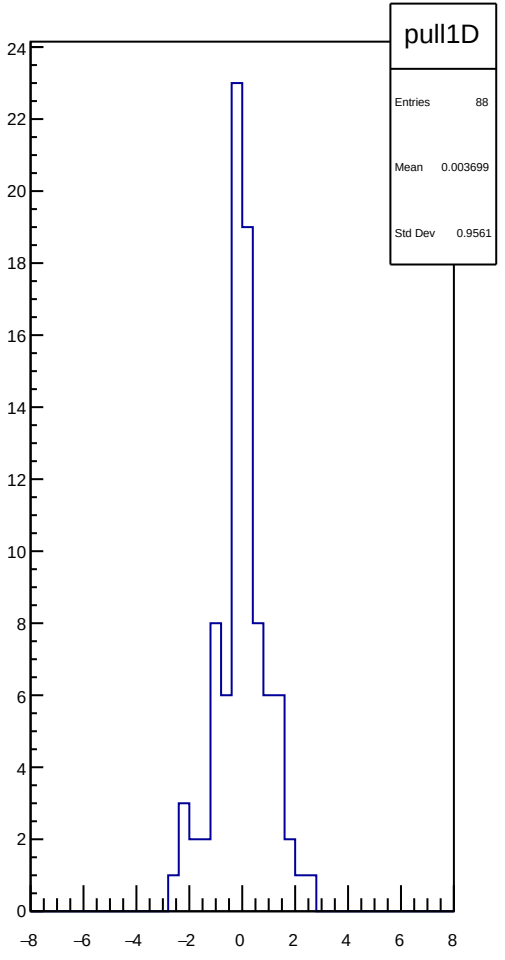

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2226 / 87
p0 942.7 ± 0.7252
1100
1050
1000
950
900
850

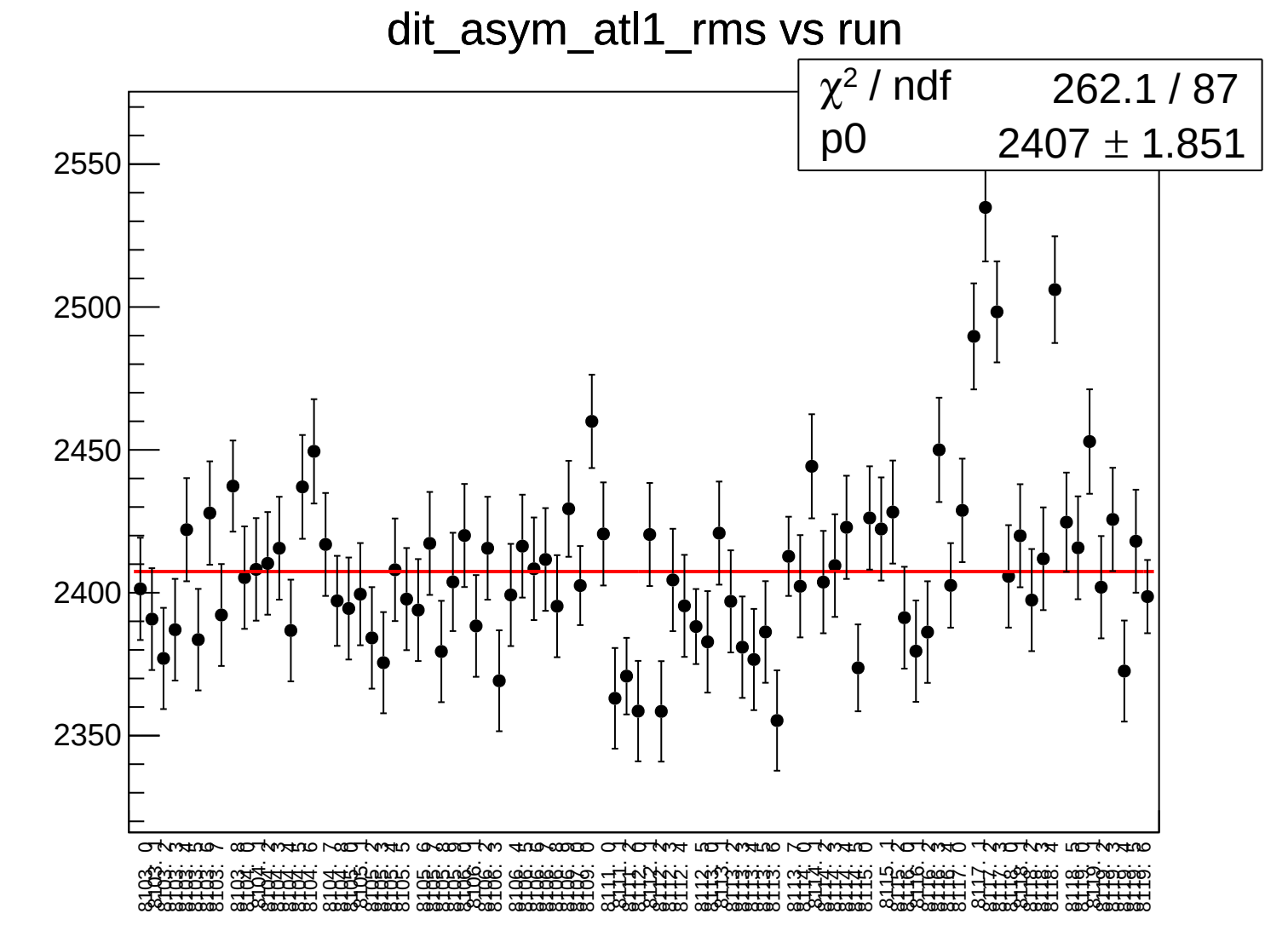

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 87.48 / 87
p0 −2016 ± 1671
pull
Entries 88
Mean 104.4
Std Dev 73.07

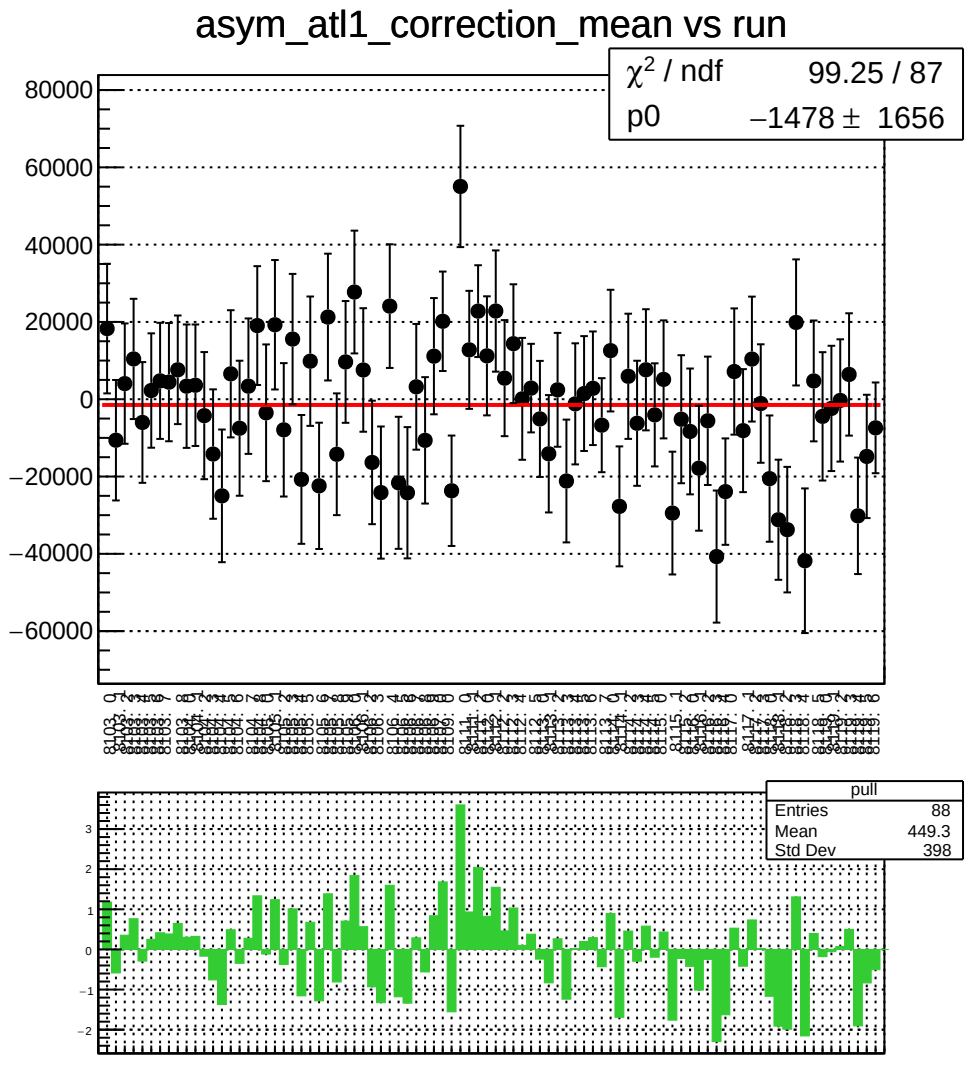

pull1D
Entries 88
Mean 0.02719
Std Dev 0.9966

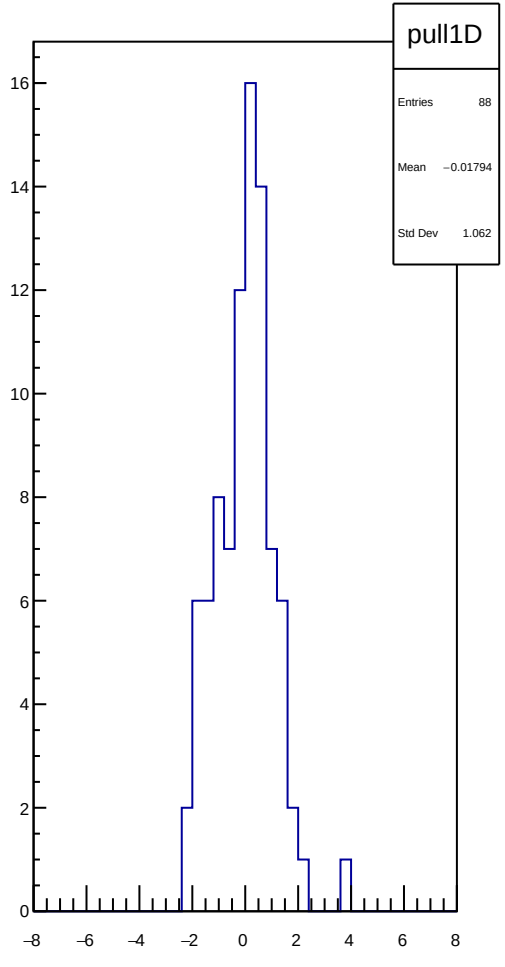

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 2.584e+04 / 87
p0 1525 ± 1.181
9000
8000
7000
6000
5000
4000
3000
2000
1000

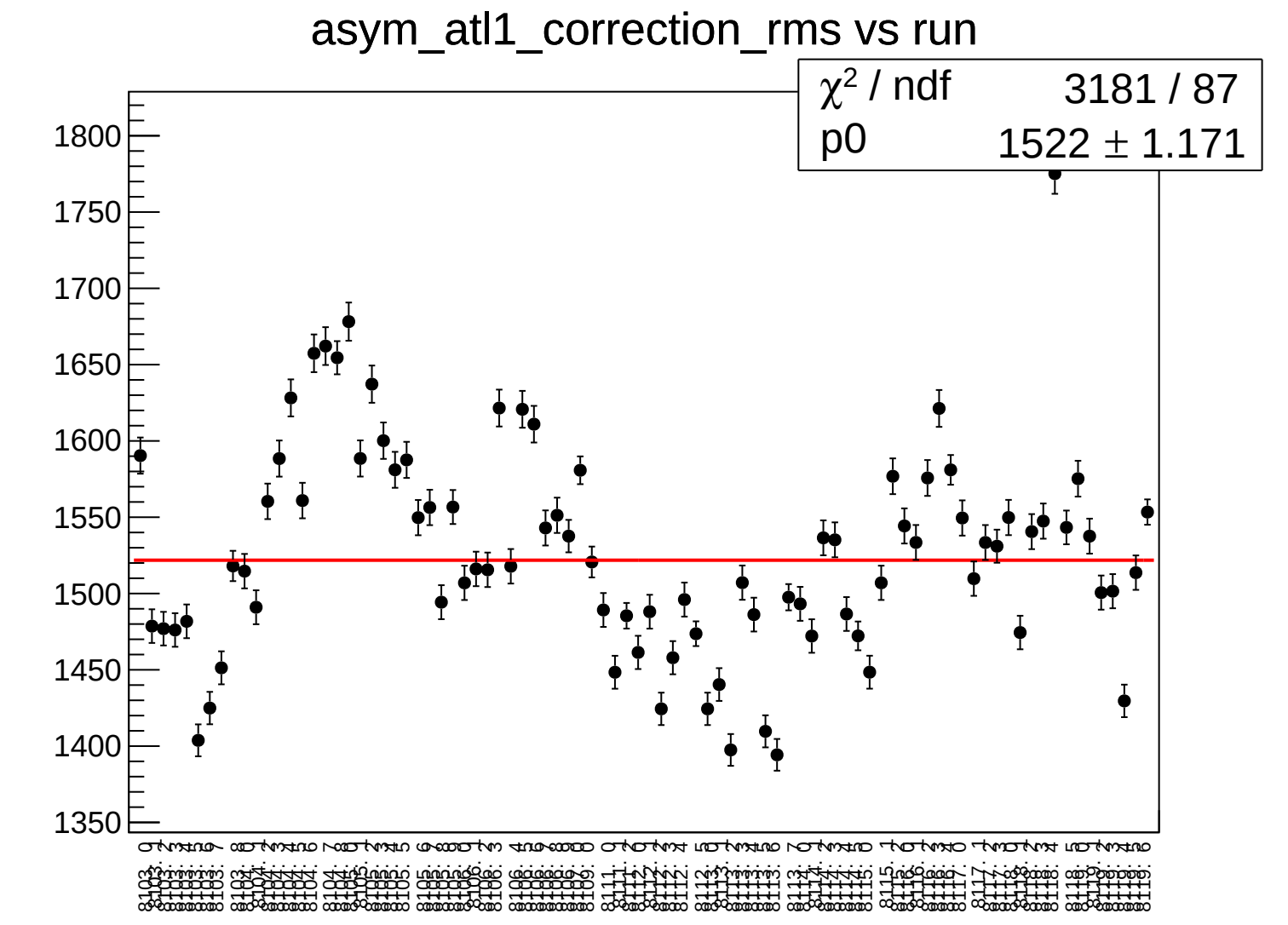

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 80.44 / 87
p0 1402 ± 2618
100
50
0
−50
−100
pull
Entries 88
Mean 166.1
Std Dev 60.46
2
1
0
−1
−2

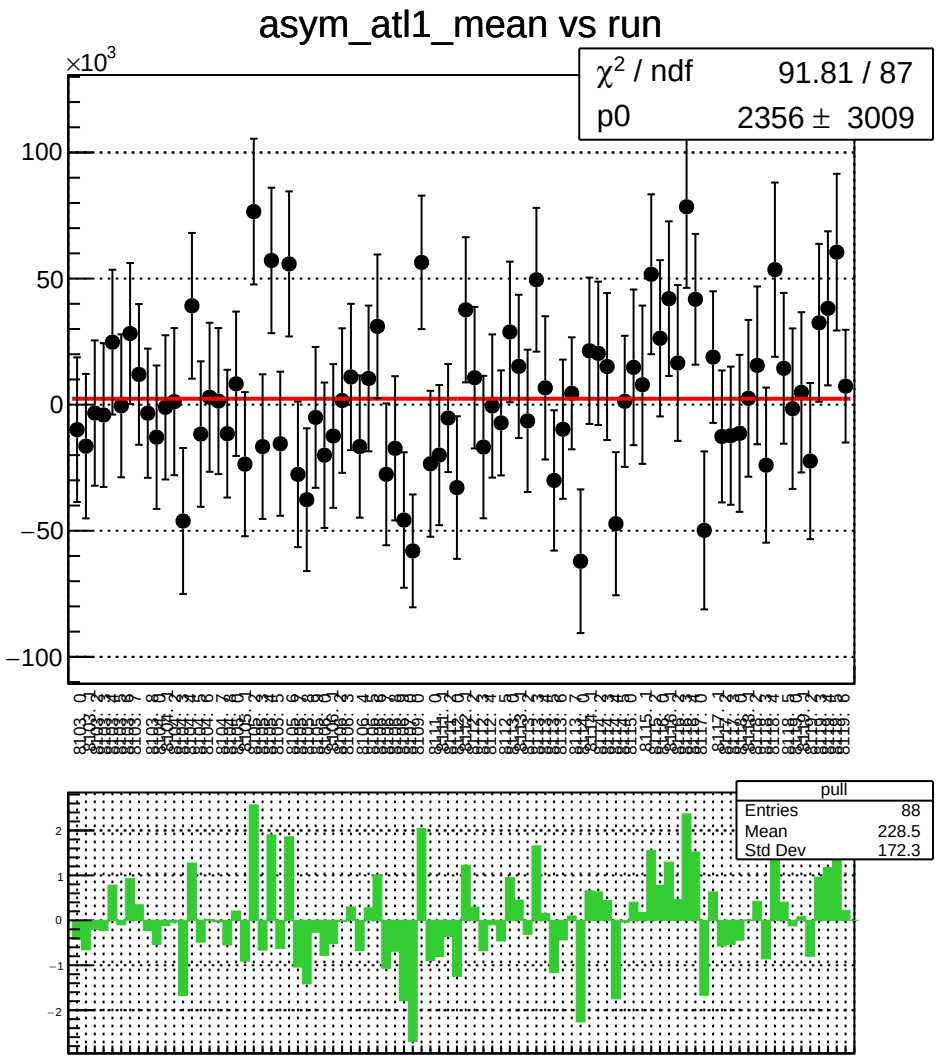

pull1D
Entries 88
Mean 0.003699
Std Dev 0.9561
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

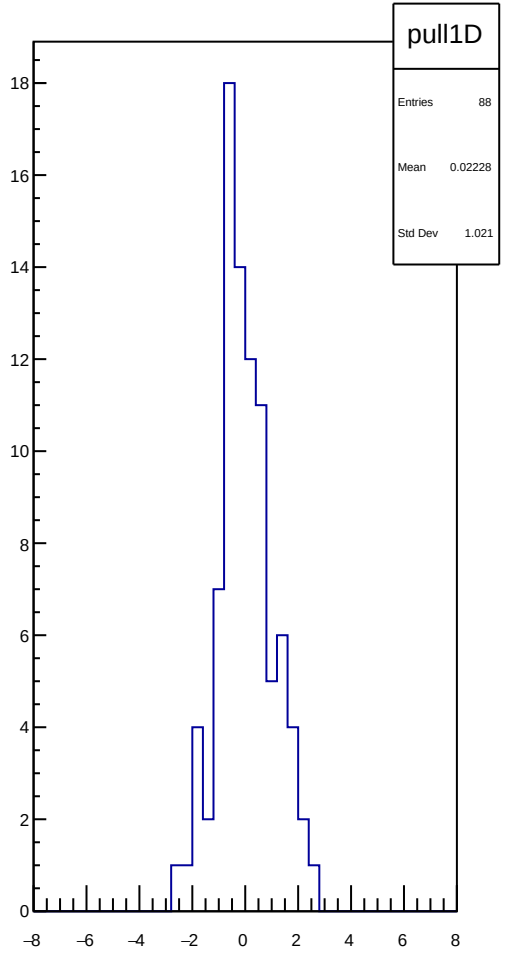

dit_asym_atl1_rms vs run
χ² / ndf 262.1 / 87
p0 2407 ± 1.851
2550
2500
2450
2400
2350

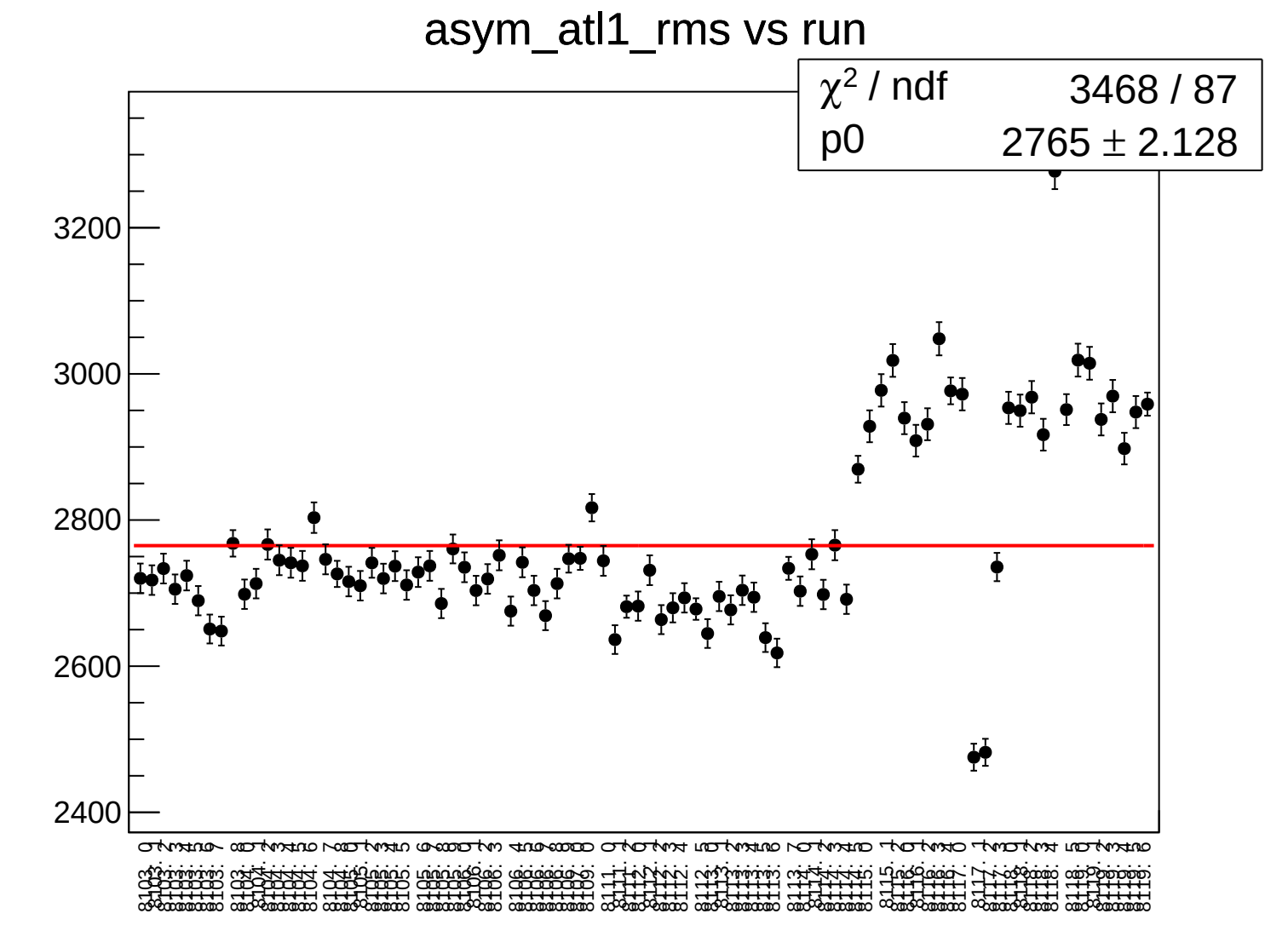

asym_atl1_correction_mean vs run
χ² / ndf 99.25 / 87
p0 −1478 ± 1656
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 449.3
Std Dev 398
3
2
1
0
−1
−2

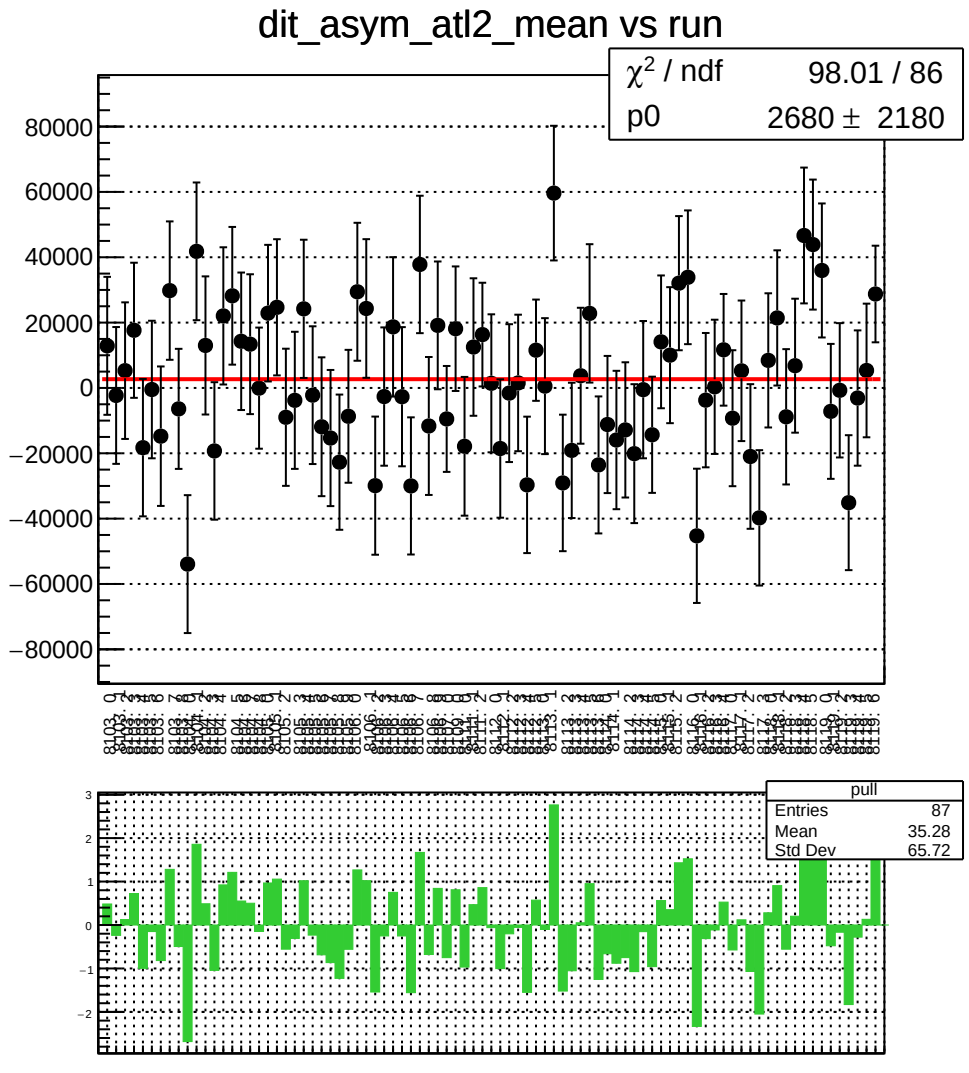

pull1D
Entries 88
Mean −0.01794
Std Dev 1.062
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

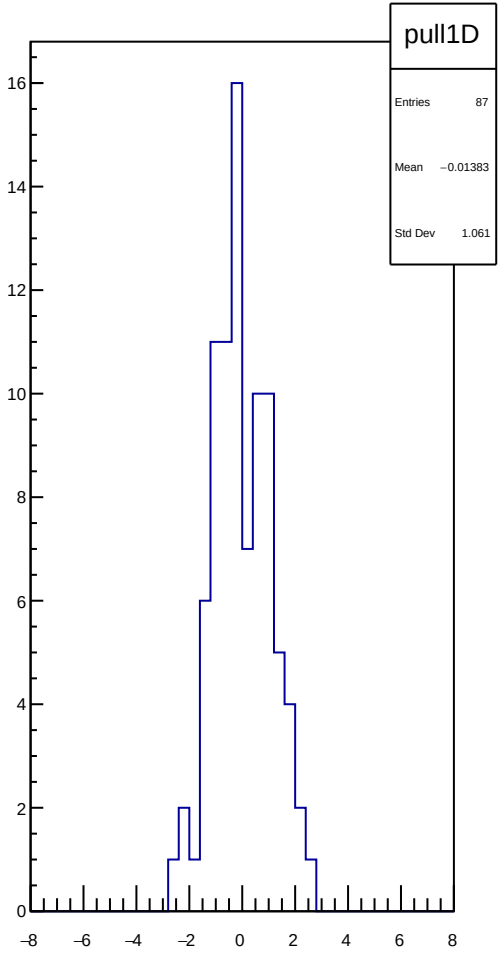

asym_atl1_correction_rms vs run
χ² / ndf 3181 / 87
p0 1522 ± 1.171
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

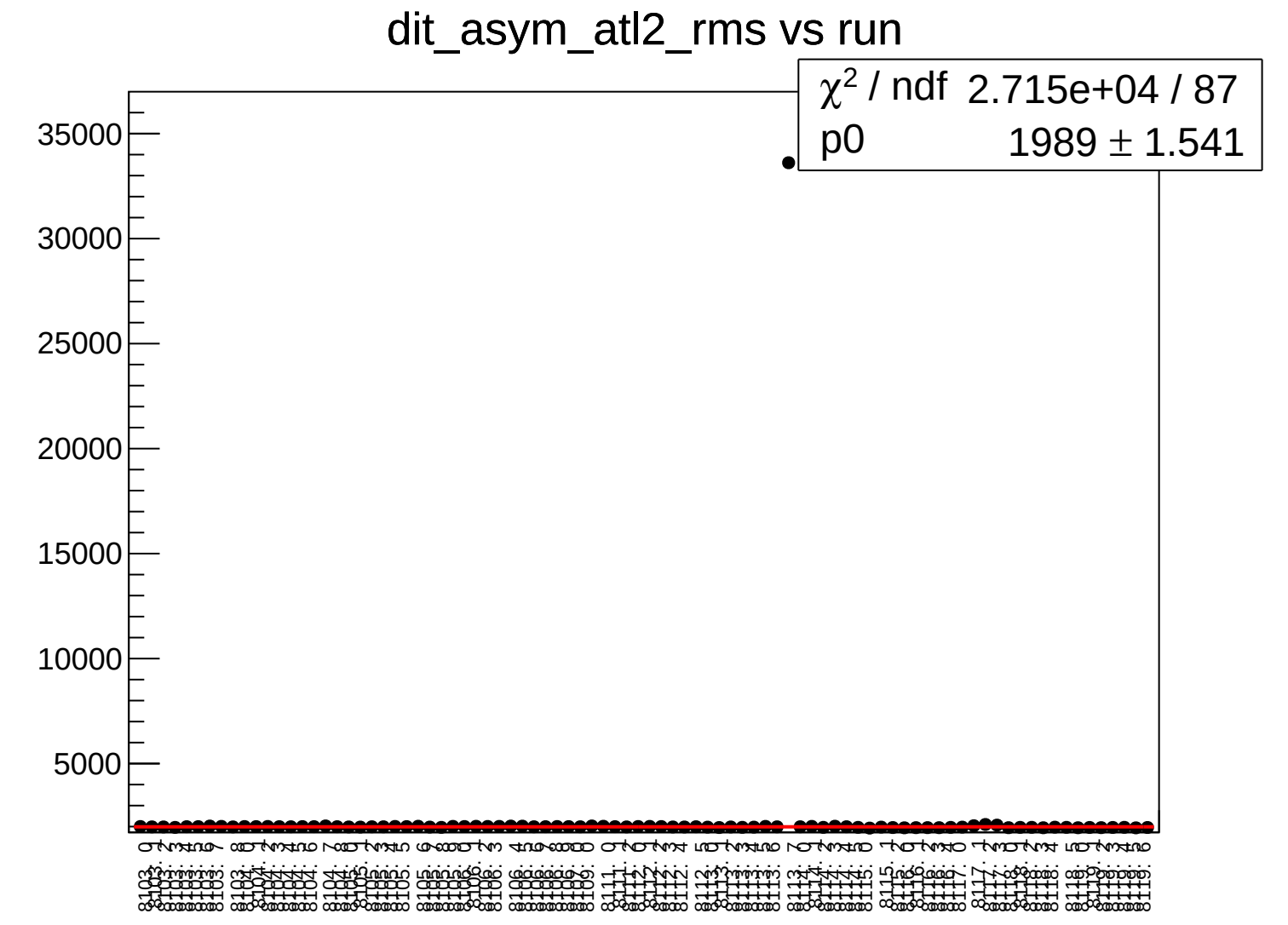

asym_atl1_mean vs run
×10^3
χ^2 / ndf 91.81 / 87
p0 2356 ± 3009
100
50
0
−50
−100
pull
Entries 88
Mean 228.5
Std Dev 172.3
2
1
0
−1
−2

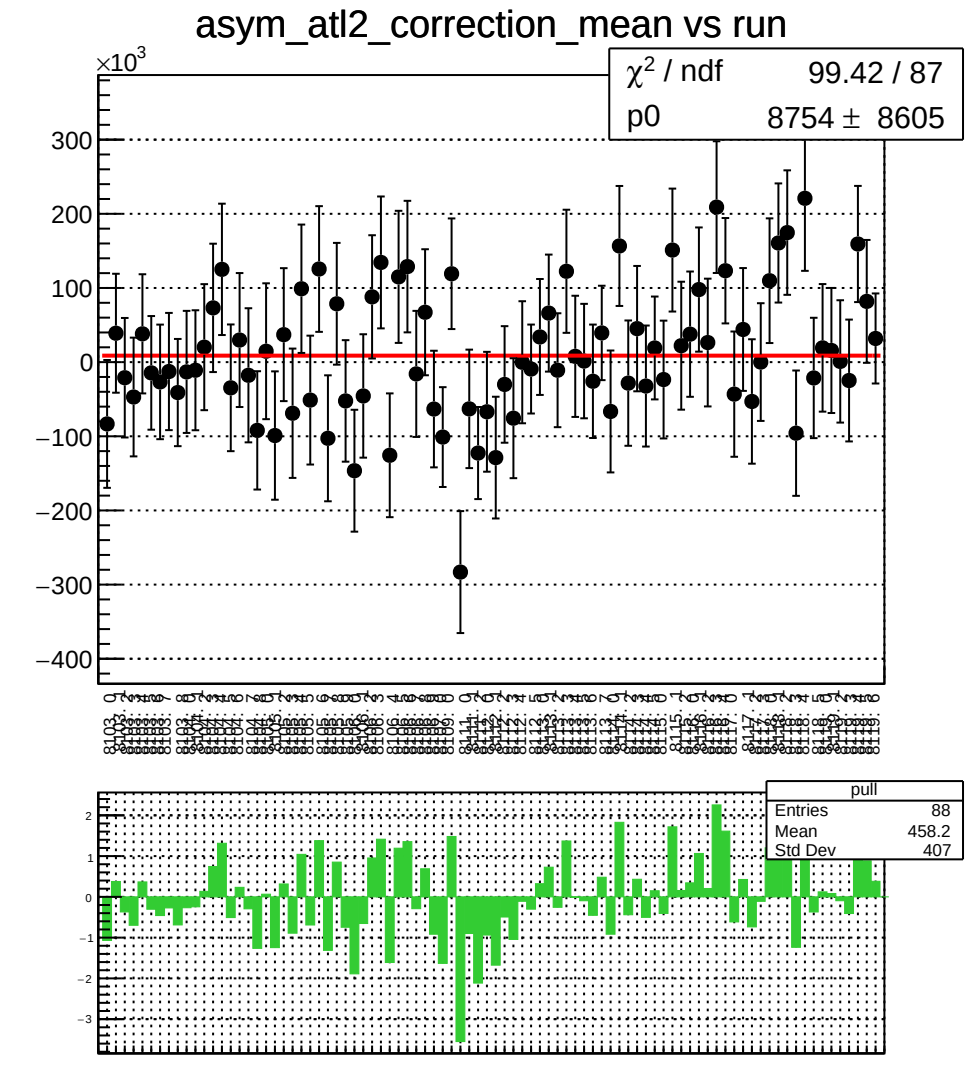

pull1D
Entries 88
Mean 0.02228
Std Dev 1.021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

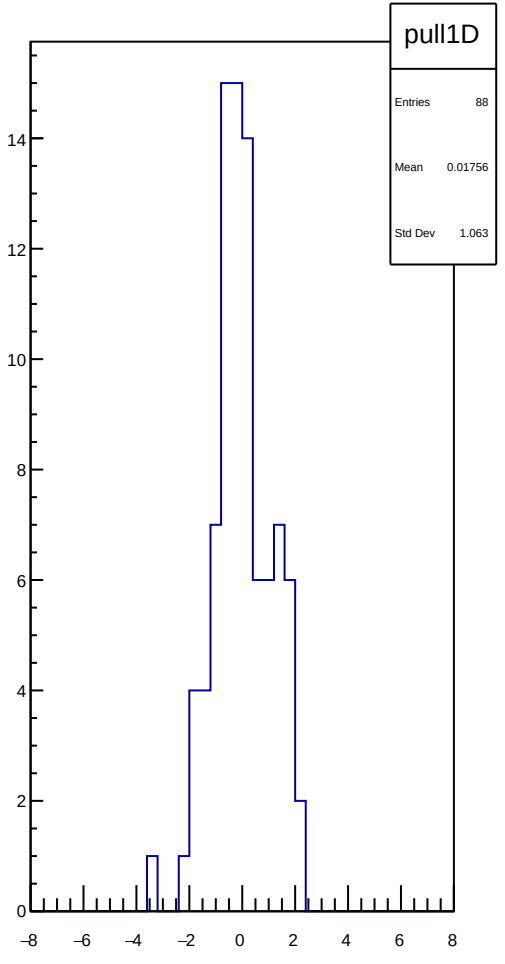

asym_atl1_rms vs run
χ² / ndf 3468 / 87
p0 2765 ± 2.128
3200
3000
2800
2600
2400

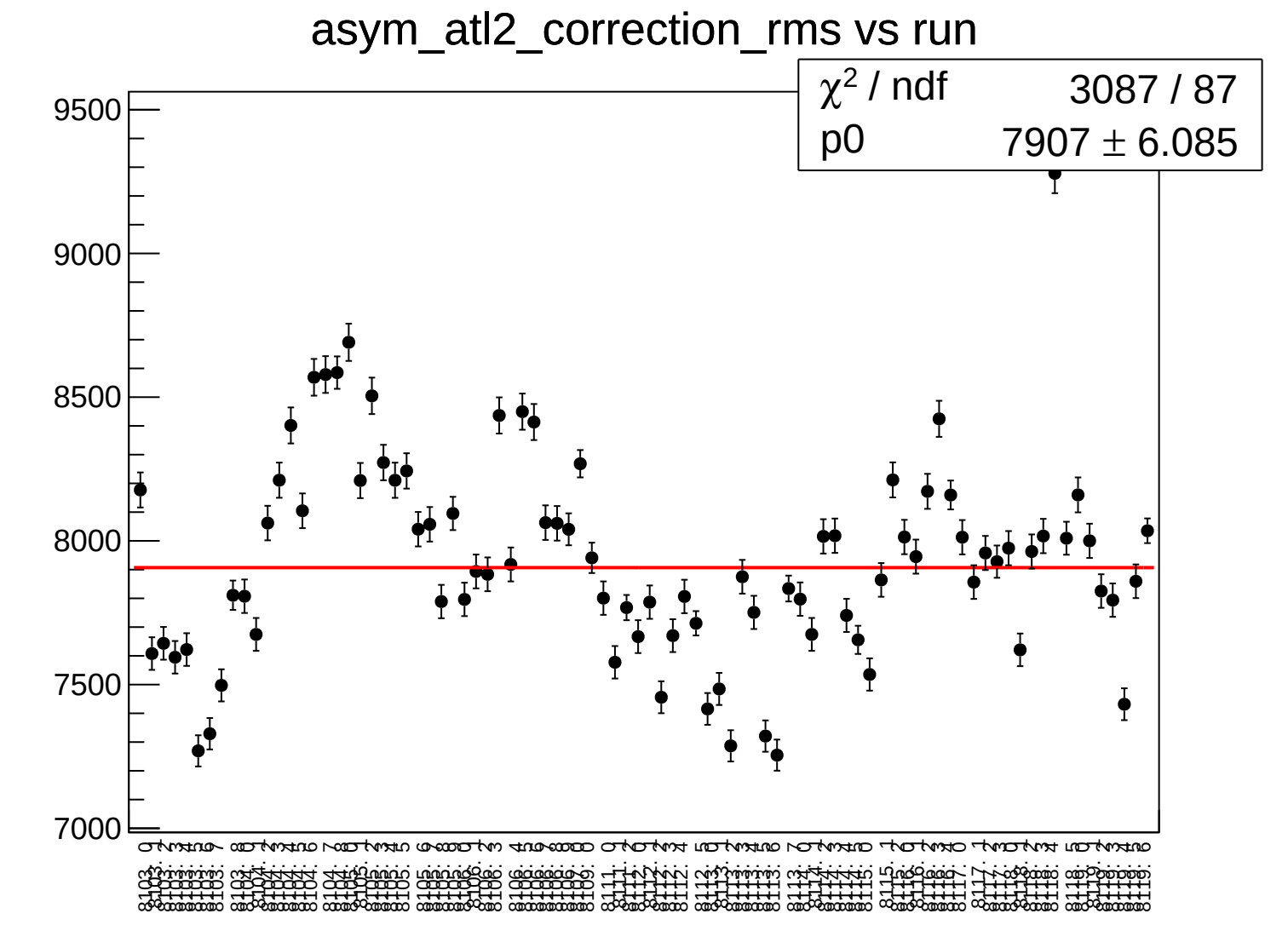

dit_asym_atl2_mean vs run
χ² / ndf 98.01 / 86
p0 2680 ± 2180
pull
Entries 87
Mean 35.28
Std Dev 65.72

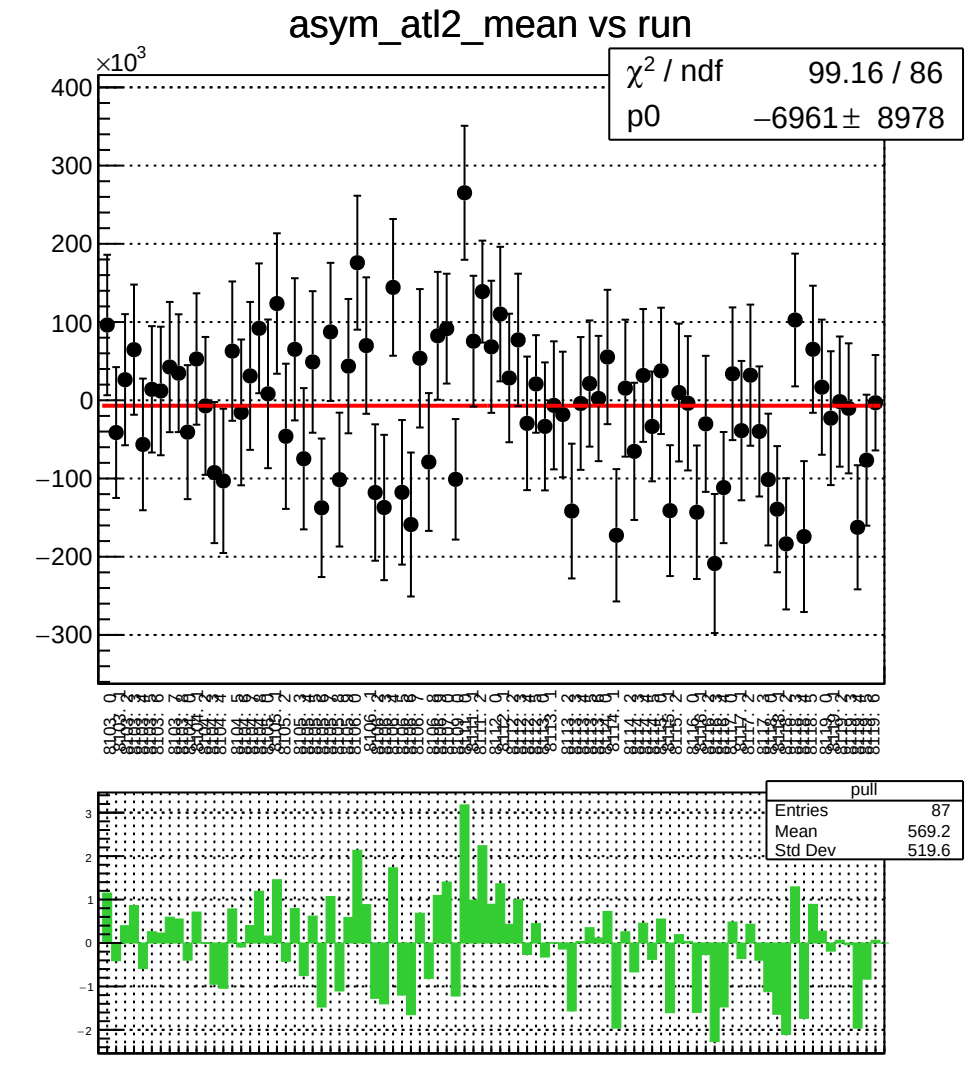

pull1D
Entries 87
Mean −0.01383
Std Dev 1.061

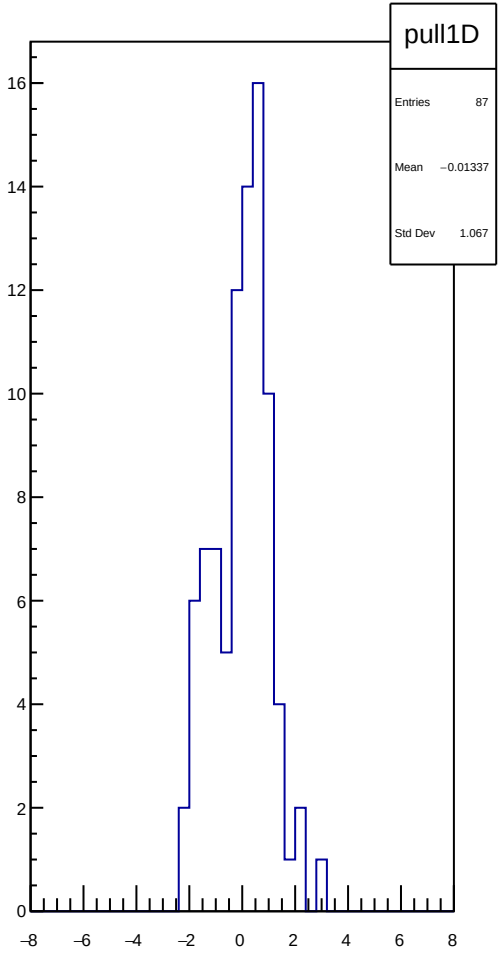

dit_asym_atl2_rms vs run
χ² / ndf 2.715e+04 / 87
p0 1989 ± 1.541
35000
30000
25000
20000
15000
10000
5000

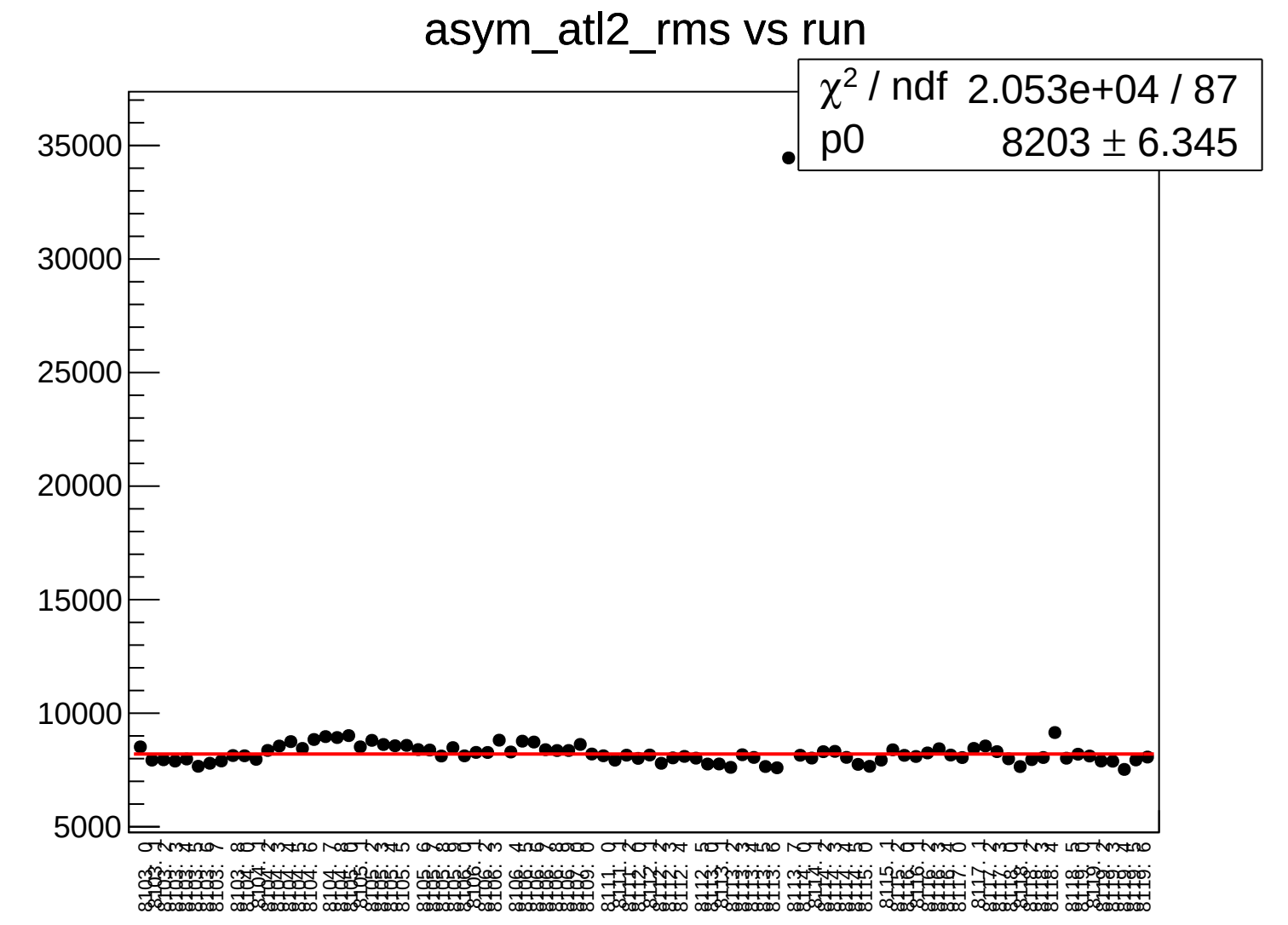

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 99.42 / 87
p0 8754 ± 8605
pull
Entries 88
Mean 458.2
Std Dev 407

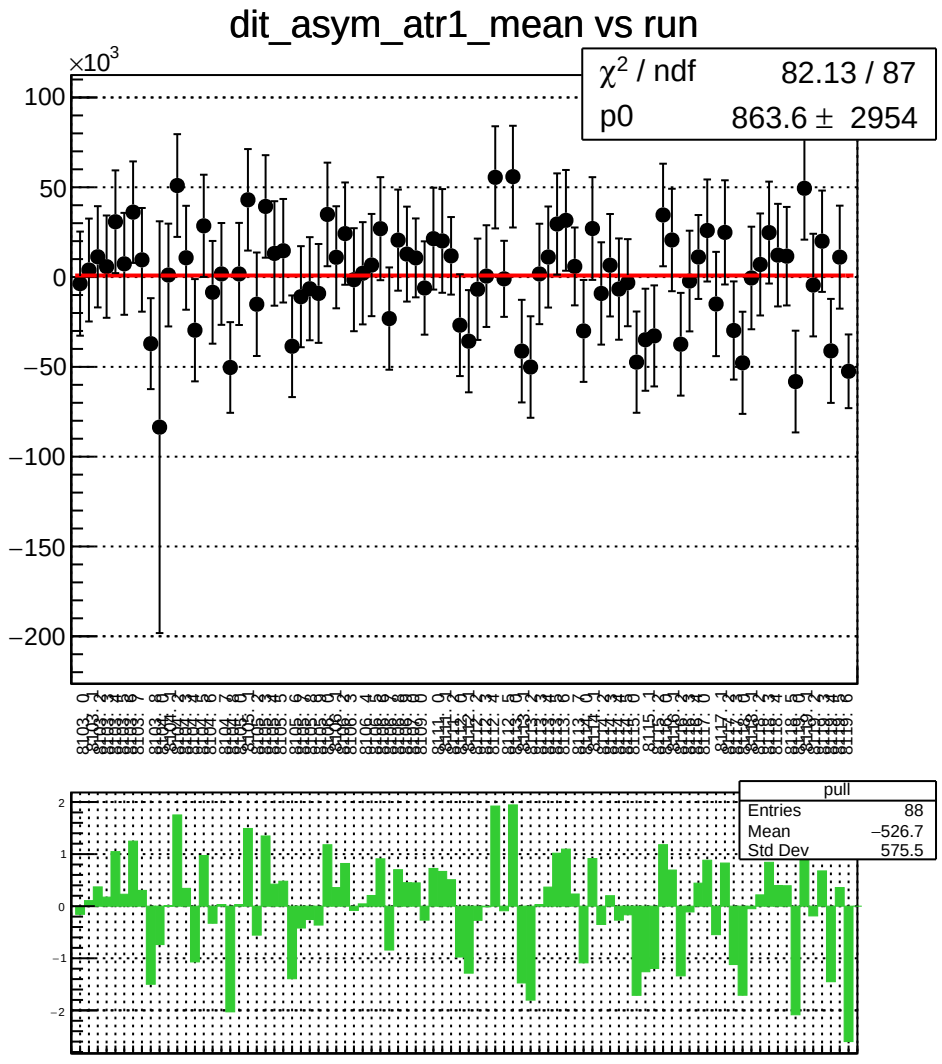

pull1D
Entries 88
Mean 0.01756
Std Dev 1.063

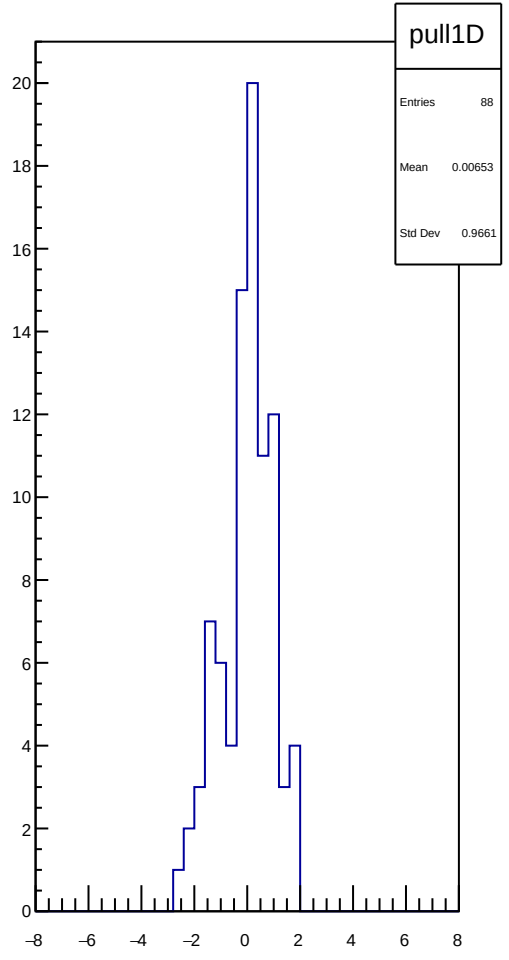

asym_atl2_correction_rms vs run
χ² / ndf 3087 / 87
p0 7907 ± 6.085
9500
9000
8500
8000
7500
7000

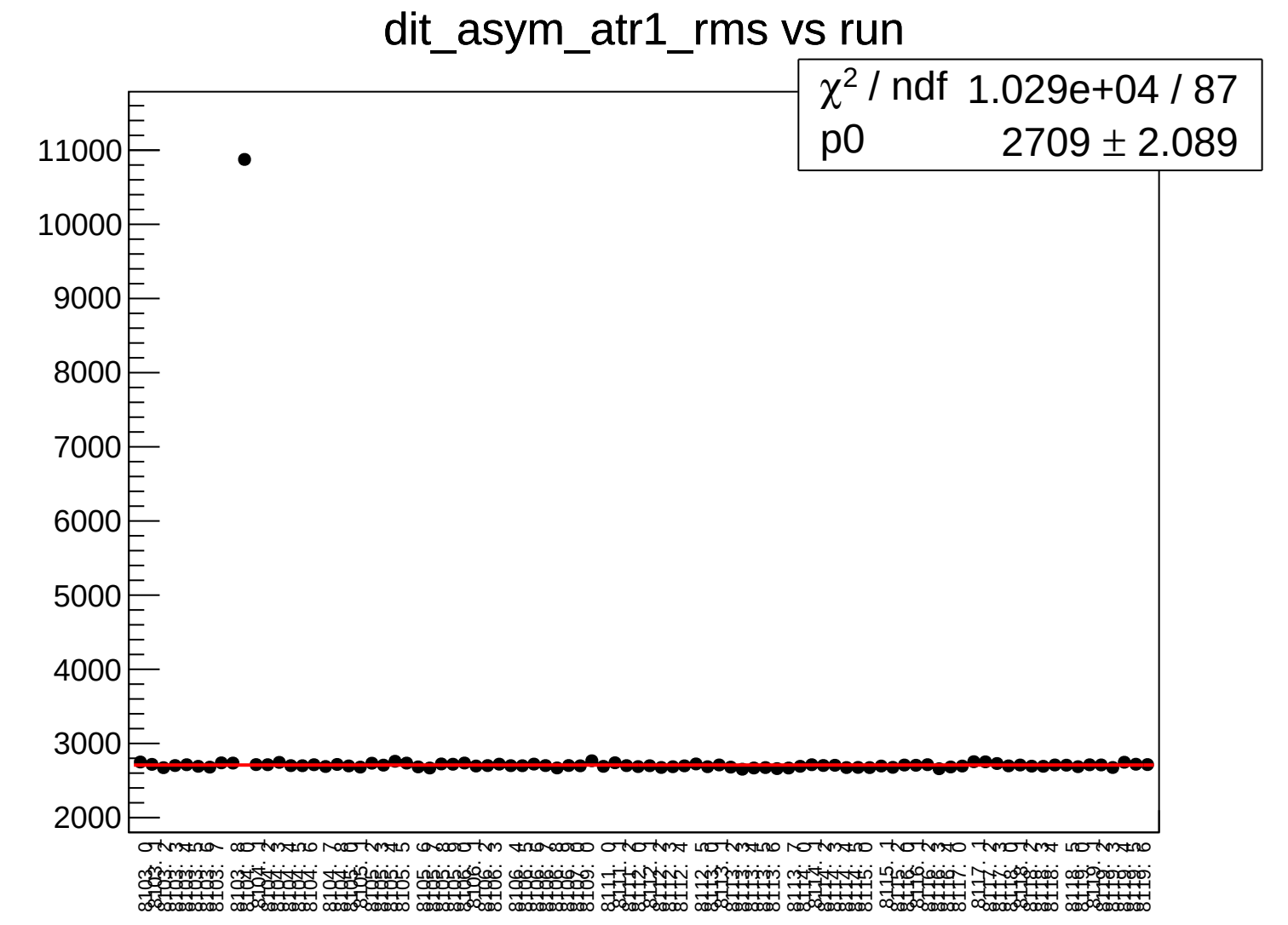

asym_atl2_mean vs run
×10^3
χ^2 / ndf 99.16 / 86
p0 −6961 ± 8978
pull
Entries 87
Mean 569.2
Std Dev 519.6

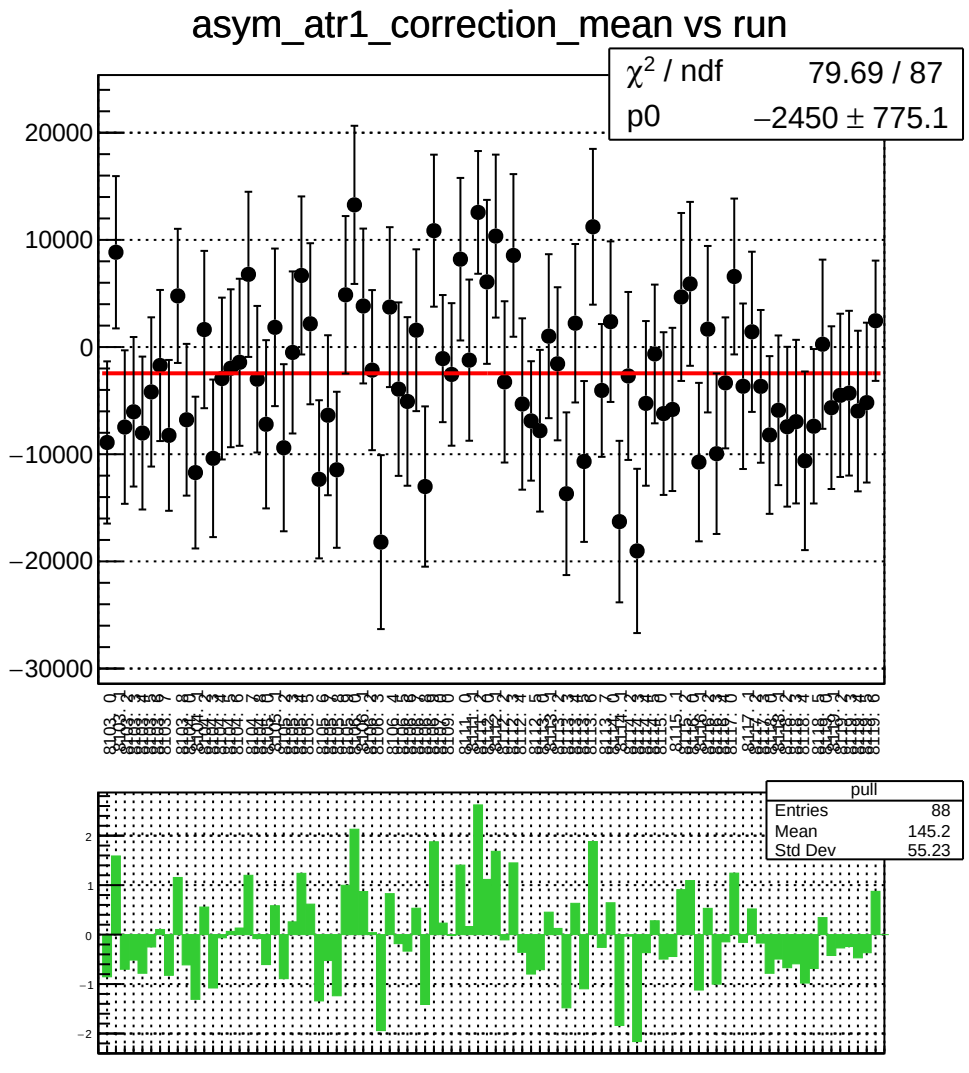

pull1D
Entries 87
Mean −0.01337
Std Dev 1.067

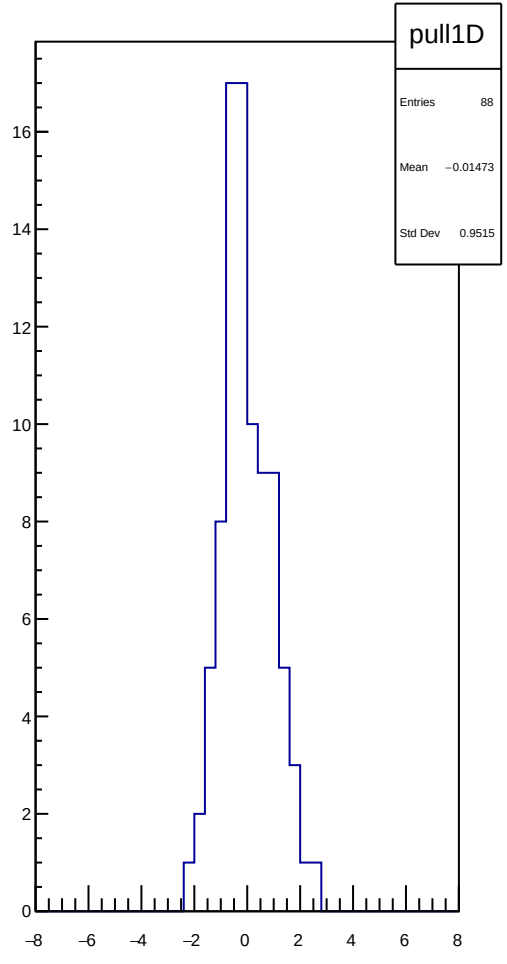

asym_atl2_rms vs run
χ² / ndf 2.053e+04 / 87
p0 8203 ± 6.345
35000
30000
25000
20000
15000
10000
5000

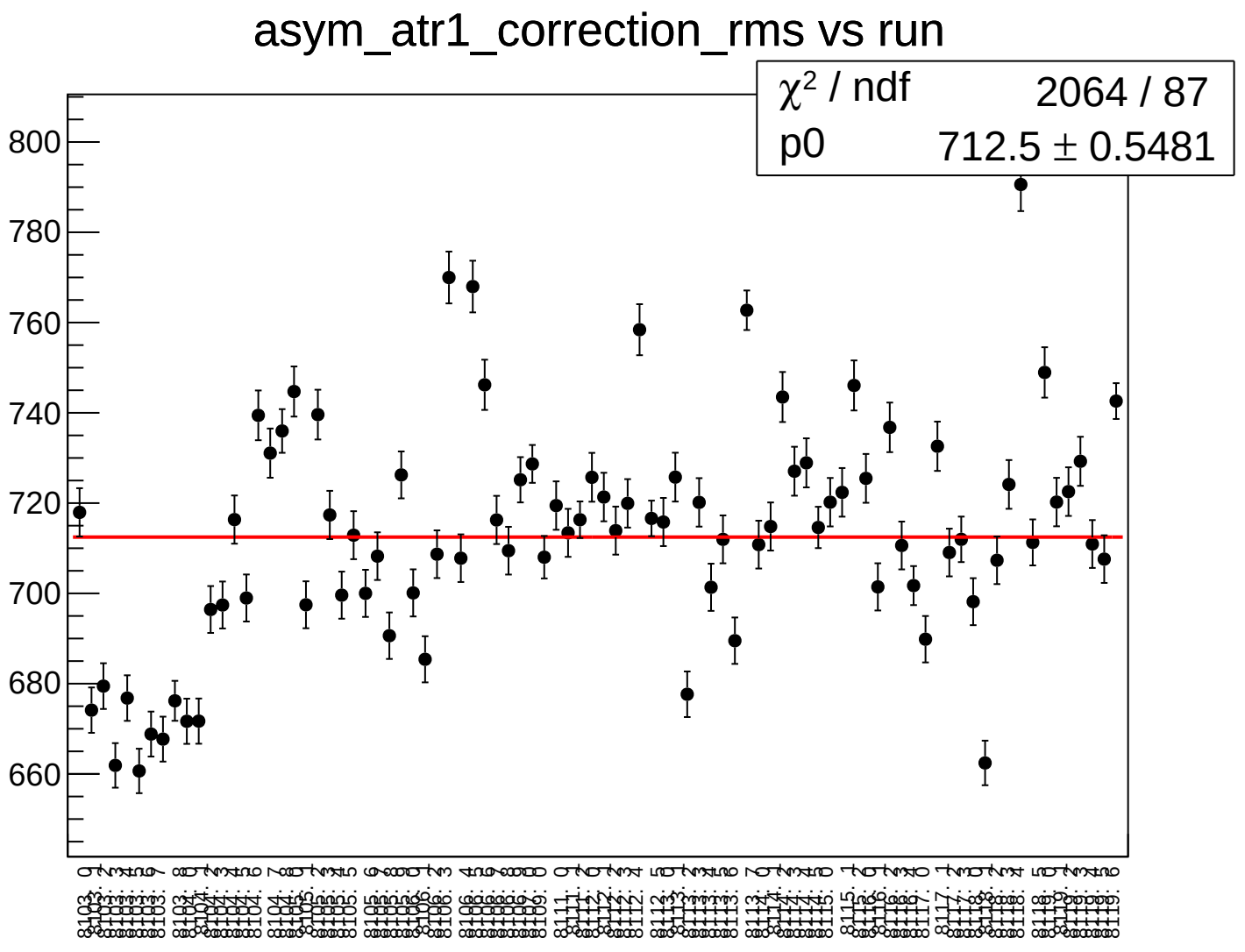

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 82.13 / 87
p0 863.6 ± 2954
pull
Entries 88
Mean −526.7
Std Dev 575.5

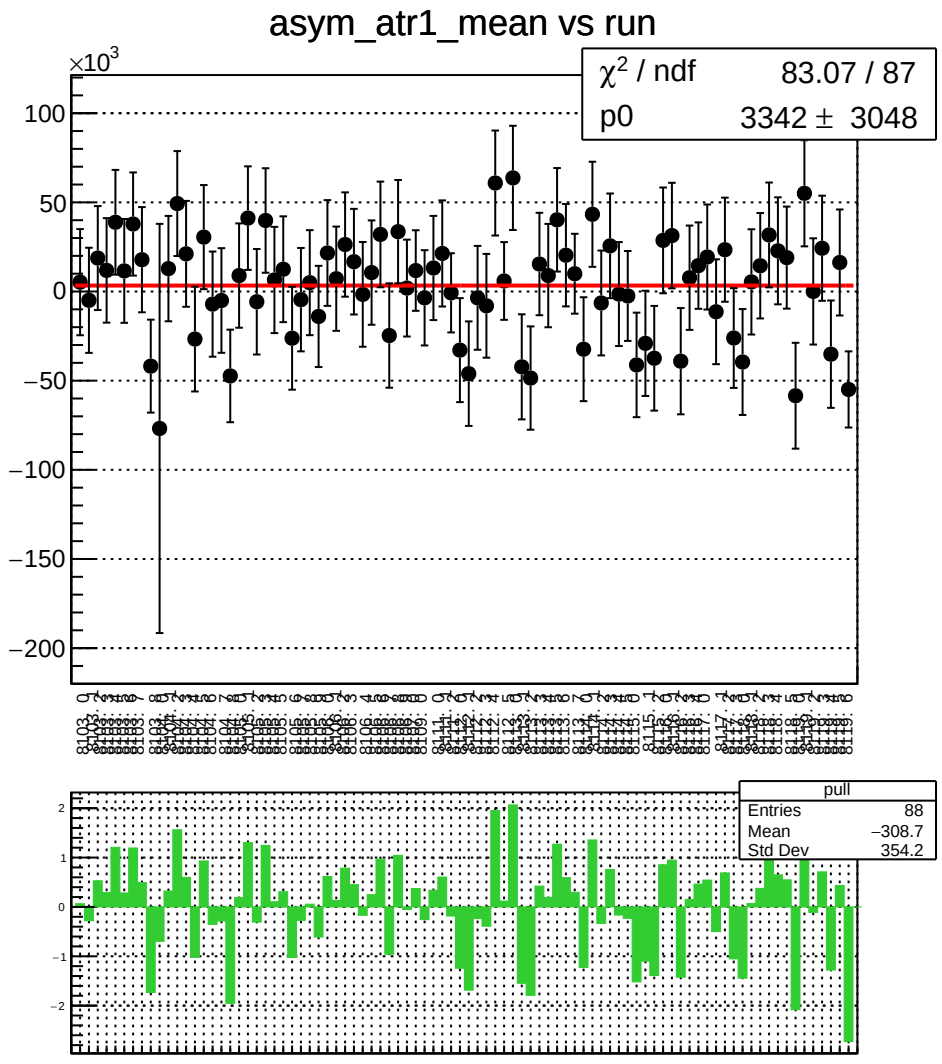

pull1D
Entries 88
Mean 0.00653
Std Dev 0.9661

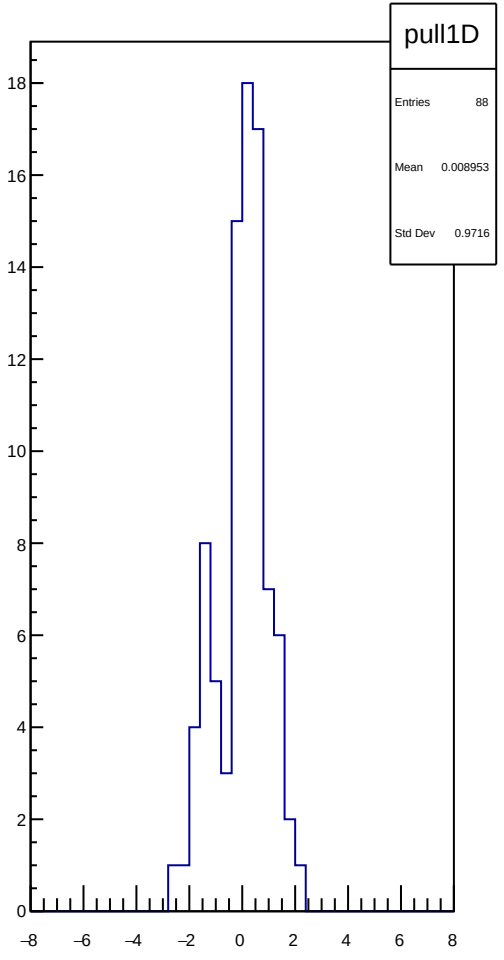

dit_asym_atr1_rms vs run
χ² / ndf 1.029e+04 / 87
p0 2709 ± 2.089
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

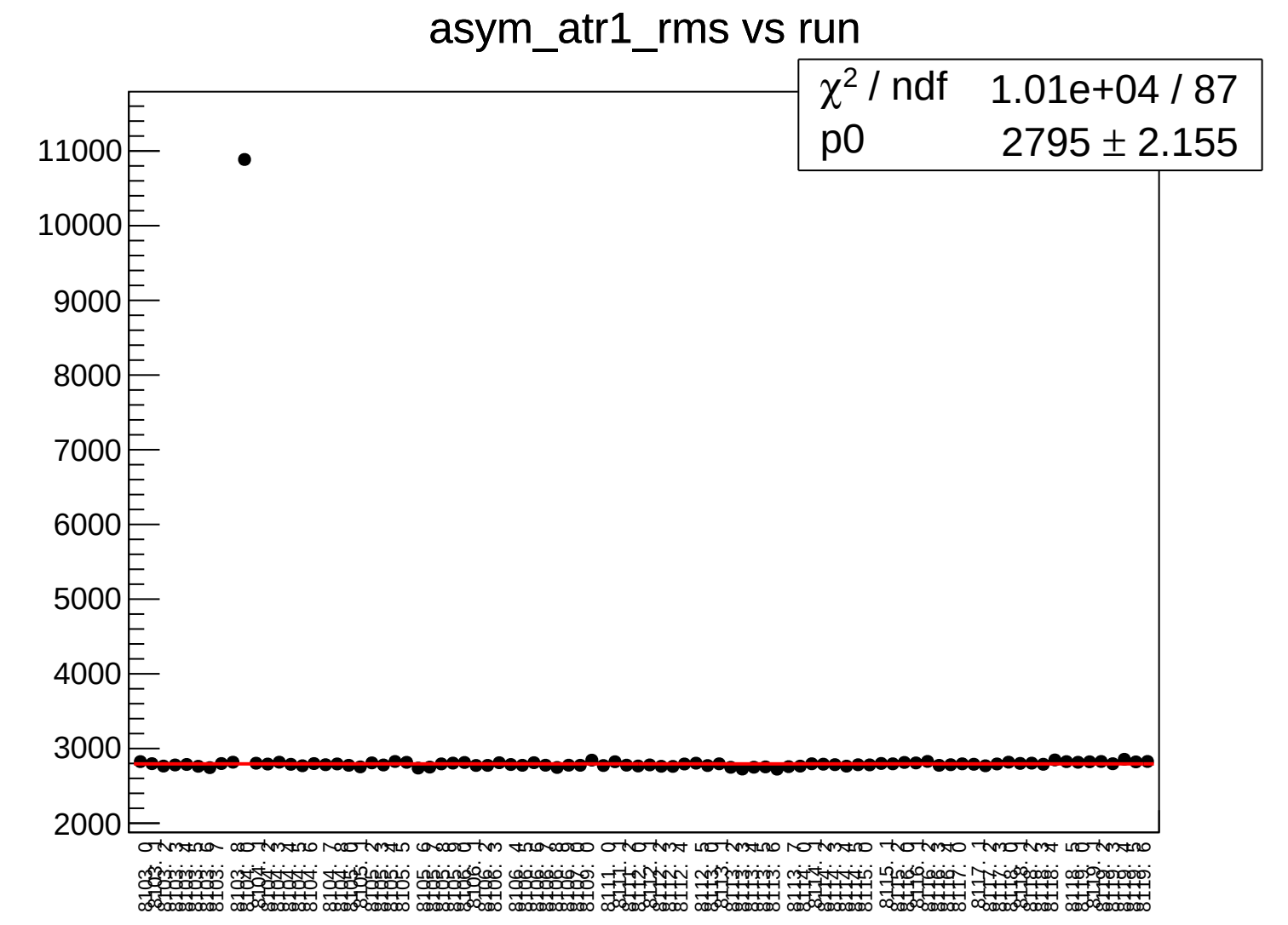

asym_atr1_correction_mean vs run
χ² / ndf 79.69 / 87
p0 −2450 ± 775.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 145.2
Std Dev 55.23
2
1
0
−1
−2

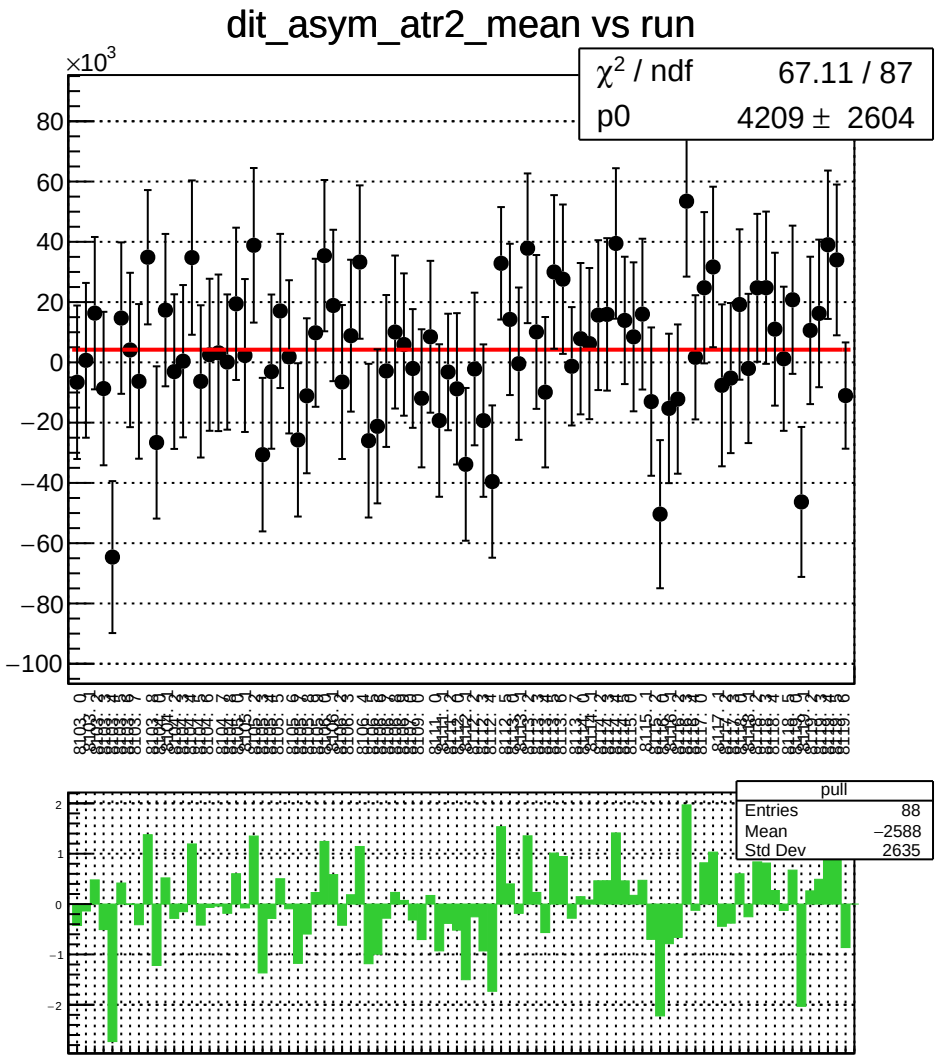

pull1D
Entries 88
Mean −0.01473
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

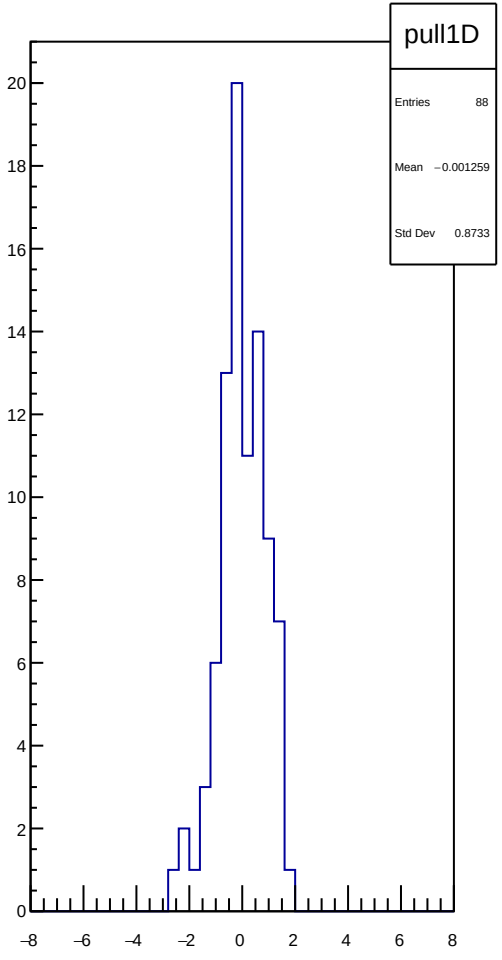

asym_atr1_correction_rms vs run
χ² / ndf 2064 / 87
p0 712.5 ± 0.5481
800
780
760
740
720
700
680
660

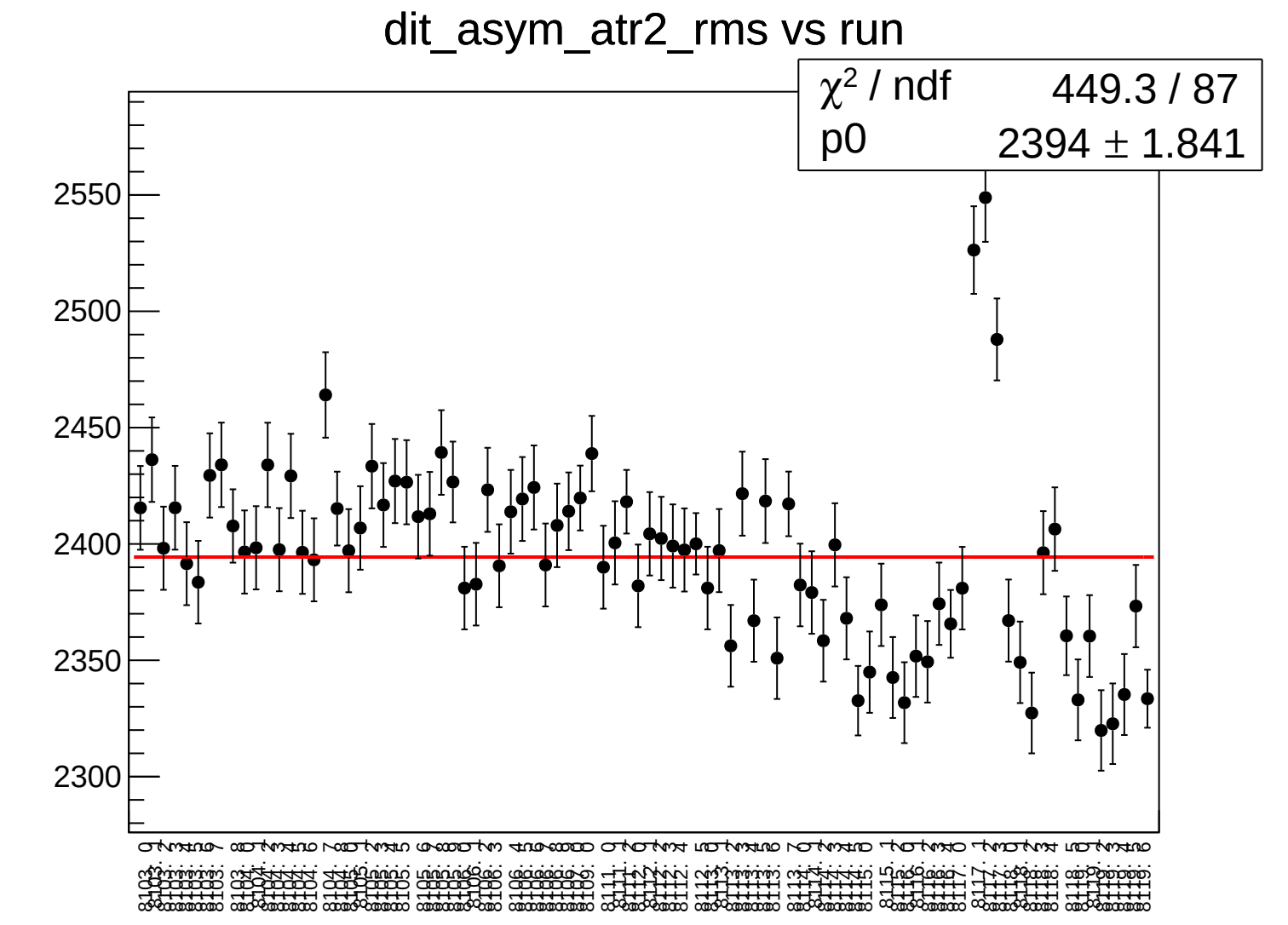

asym_atr1_mean vs run
×10^3
χ² / ndf 83.07 / 87
p0 3342 ± 3048
pull
Entries 88
Mean −308.7
Std Dev 354.2

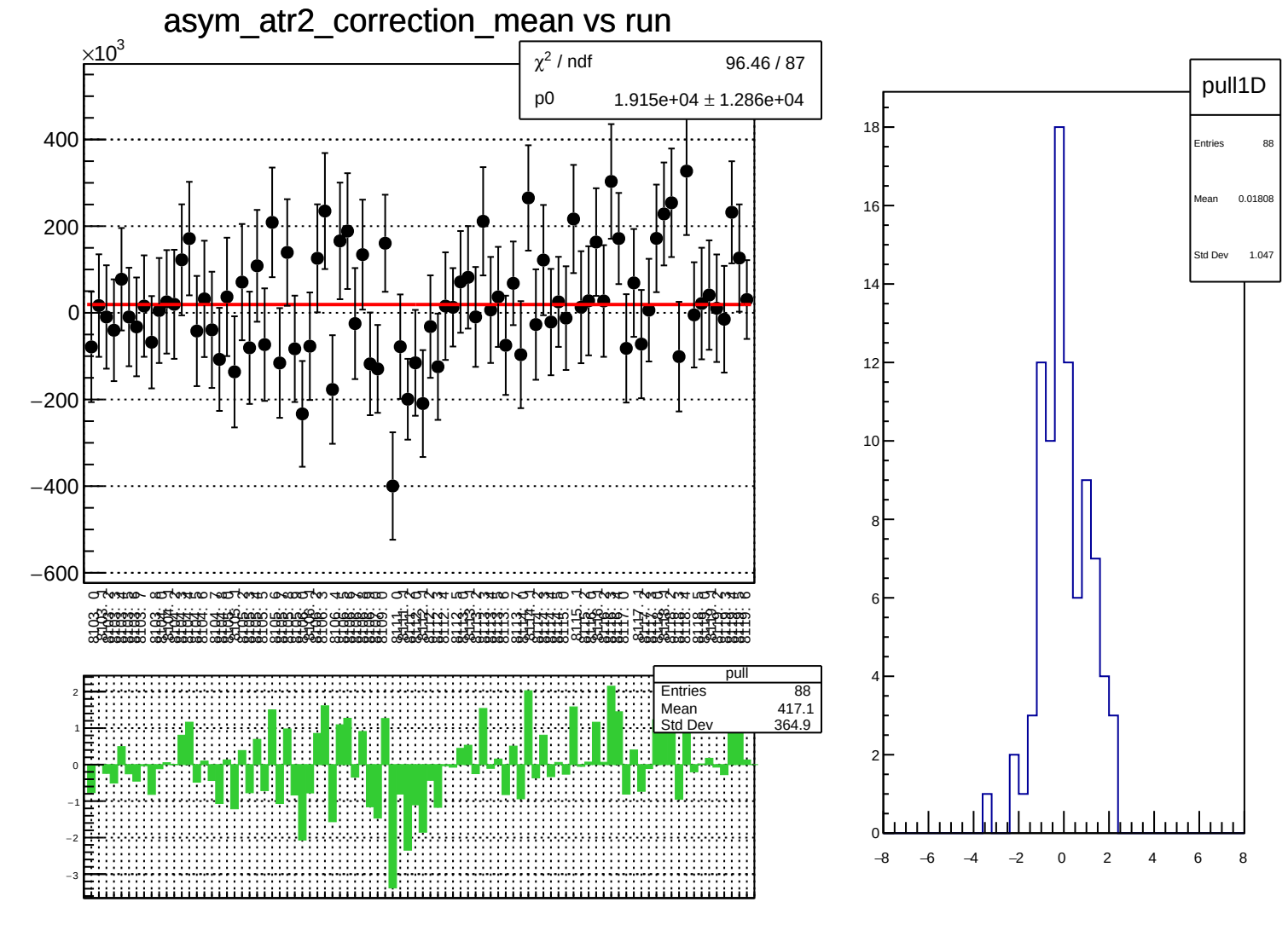

pull1D
Entries 88
Mean 0.008953
Std Dev 0.9716

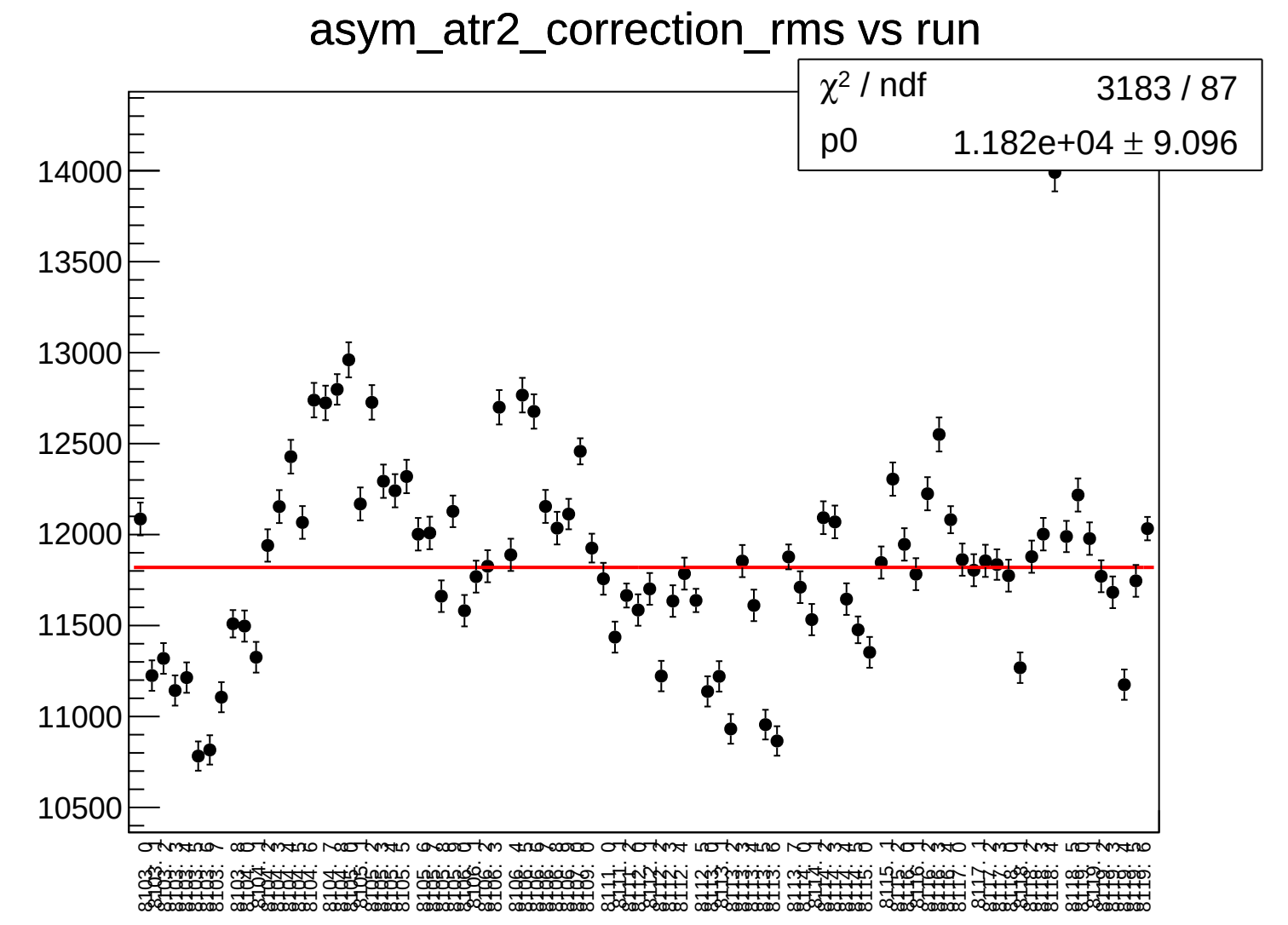

asym_atr1_rms vs run
χ^2 / ndf 1.01e+04 / 87
p0 2795 ± 2.155
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

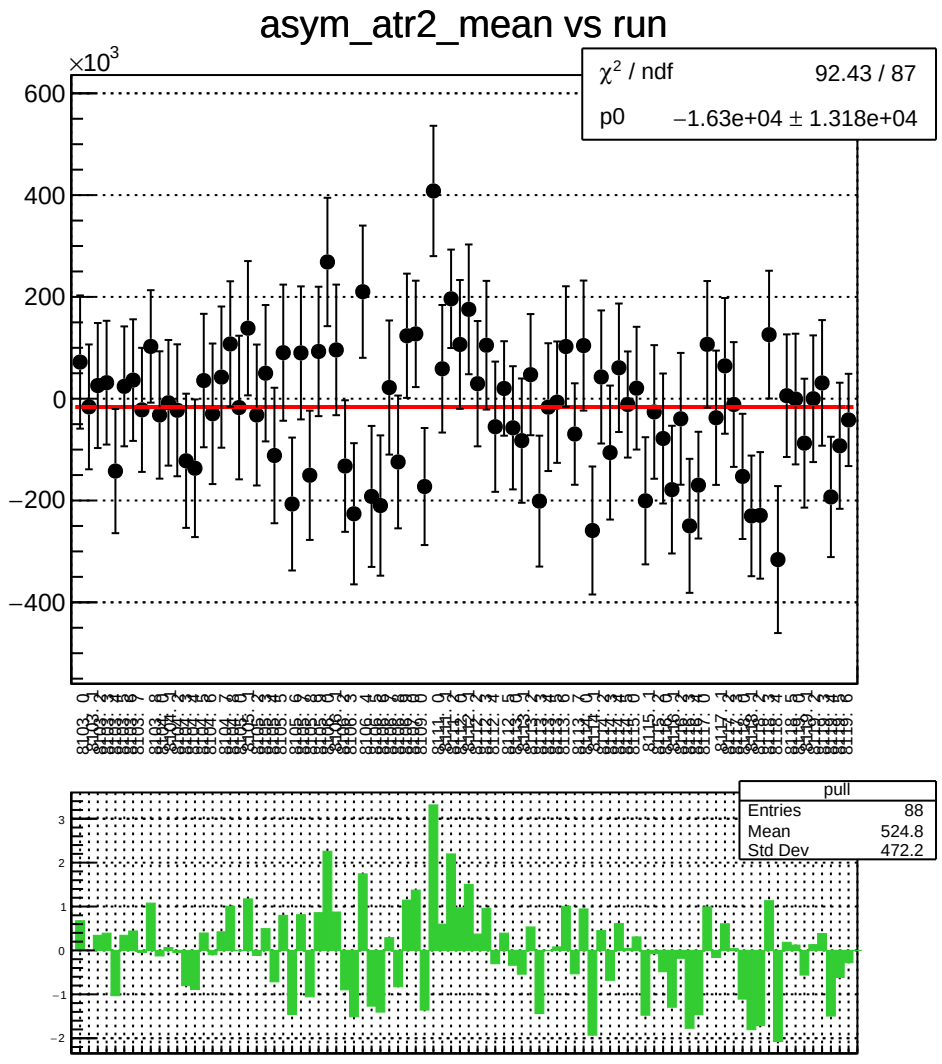

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 67.11 / 87
p0 4209 ± 2604
pull
Entries 88
Mean −2588
Std Dev 2635

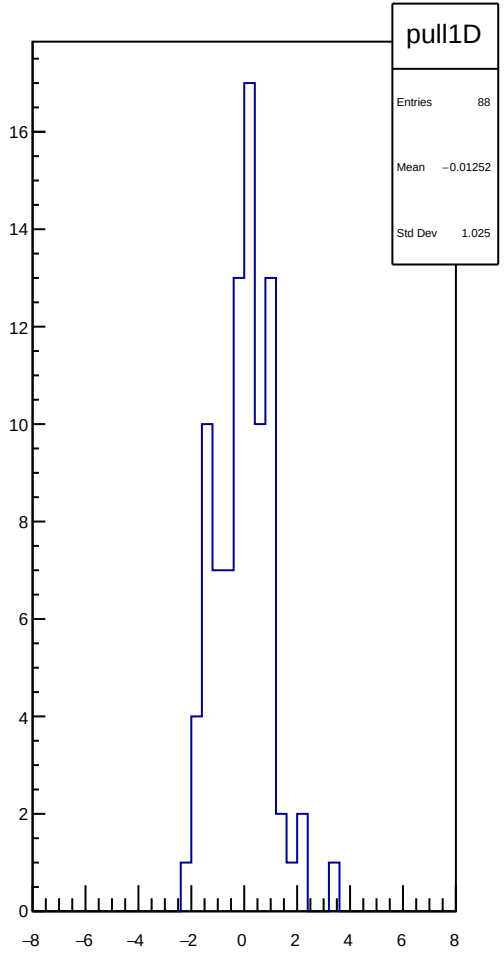

pull1D
Entries 88
Mean −0.001259
Std Dev 0.8733

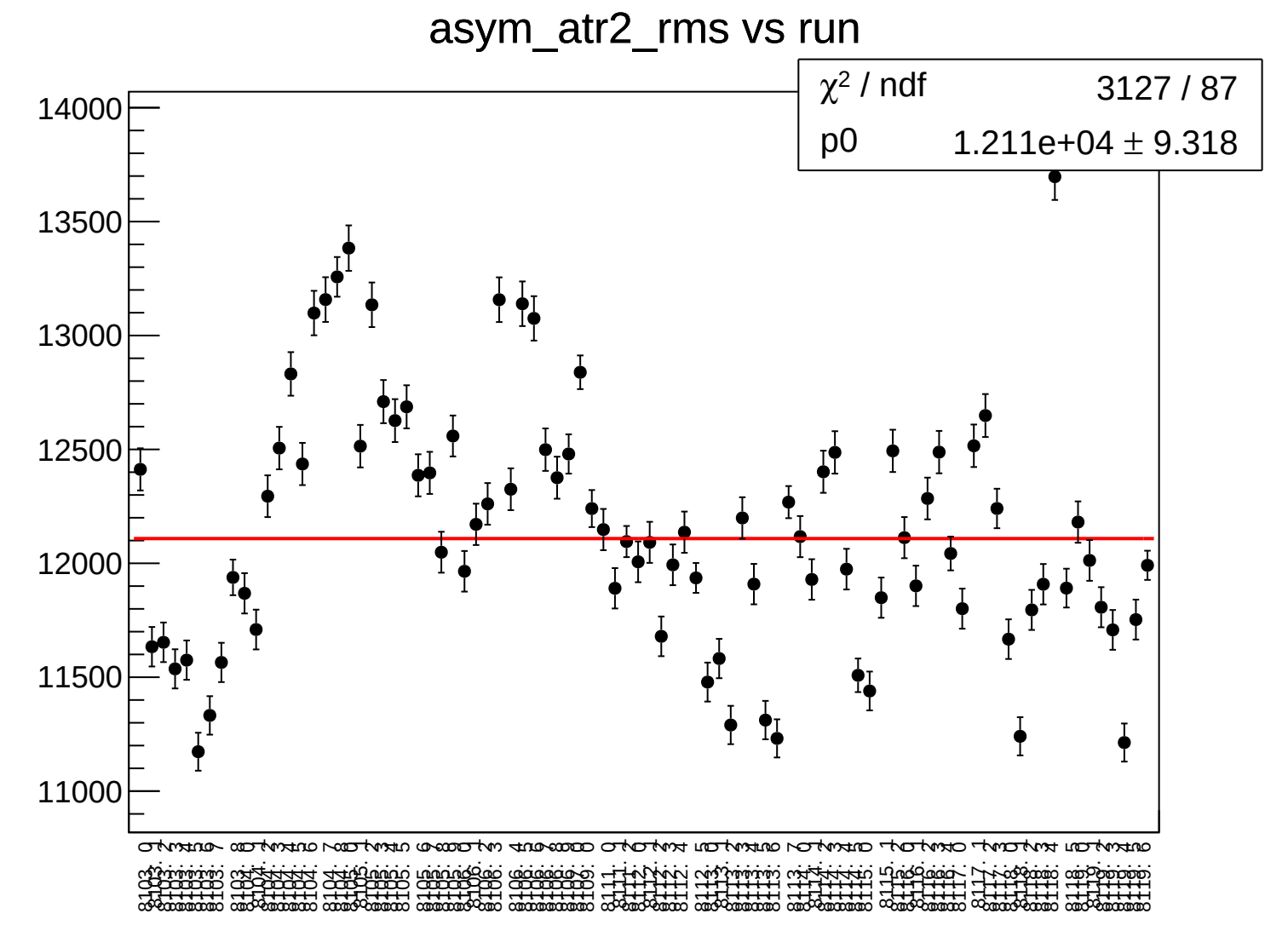

dit_asym_atr2_rms vs run
χ^2 / ndf 449.3 / 87
p0 2394 ± 1.841
2550
2500
2450
2400
2350
2300

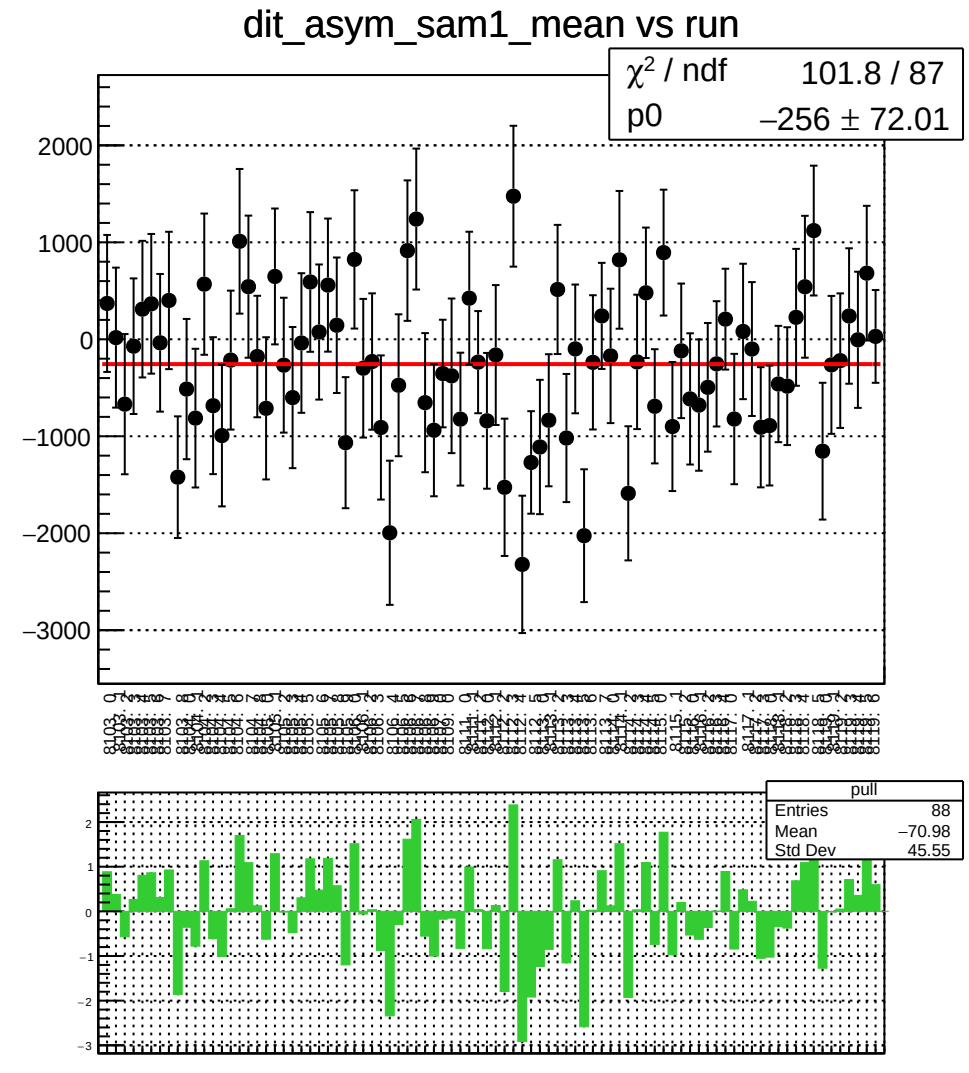

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 96.46 / 87
p0 1.915e+04 ± 1.286e+04
400
200
0
−200
−400
−600
pull
Entries 88
Mean 417.1
Std Dev 364.9
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01808
Std Dev 1.047
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

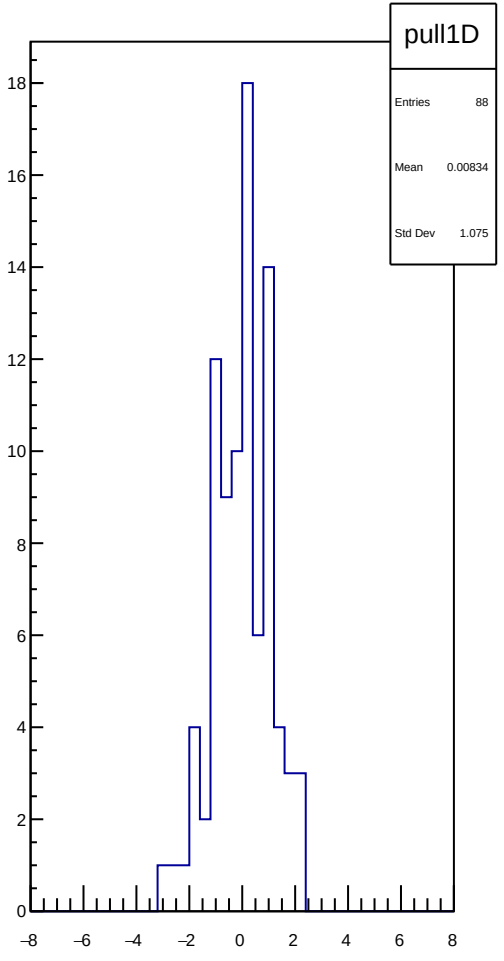

asym_atr2_correction_rms vs run
χ² / ndf 3183 / 87
p0 1.182e+04 ± 9.096
14000
13500
13000
12500
12000
11500
11000
10500

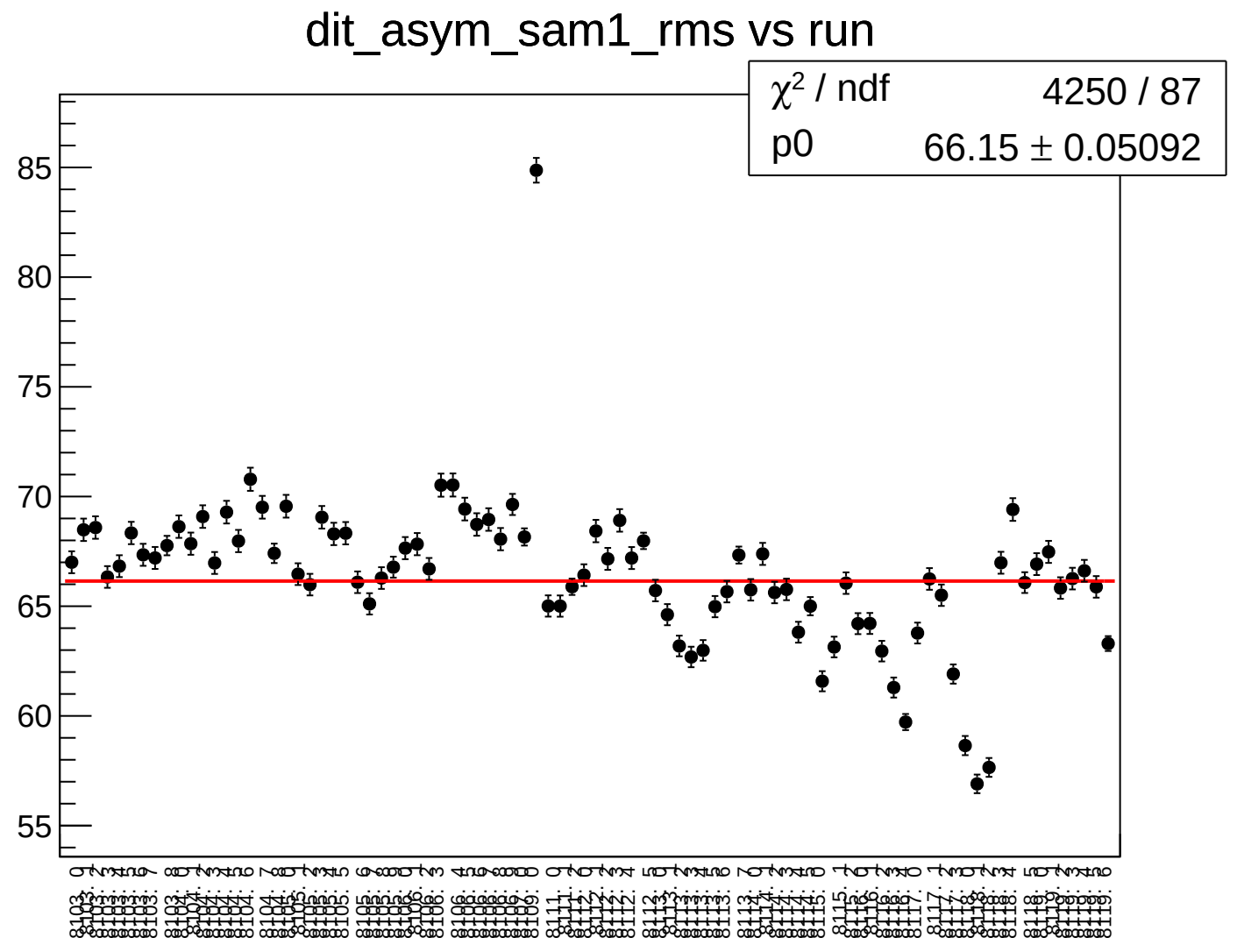

asym_atr2_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 92.43 / 87
p0 −1.63e+04 ± 1.318e+04
pull
Entries 88
Mean 524.8
Std Dev 472.2
3
2
1
0
−1
−2

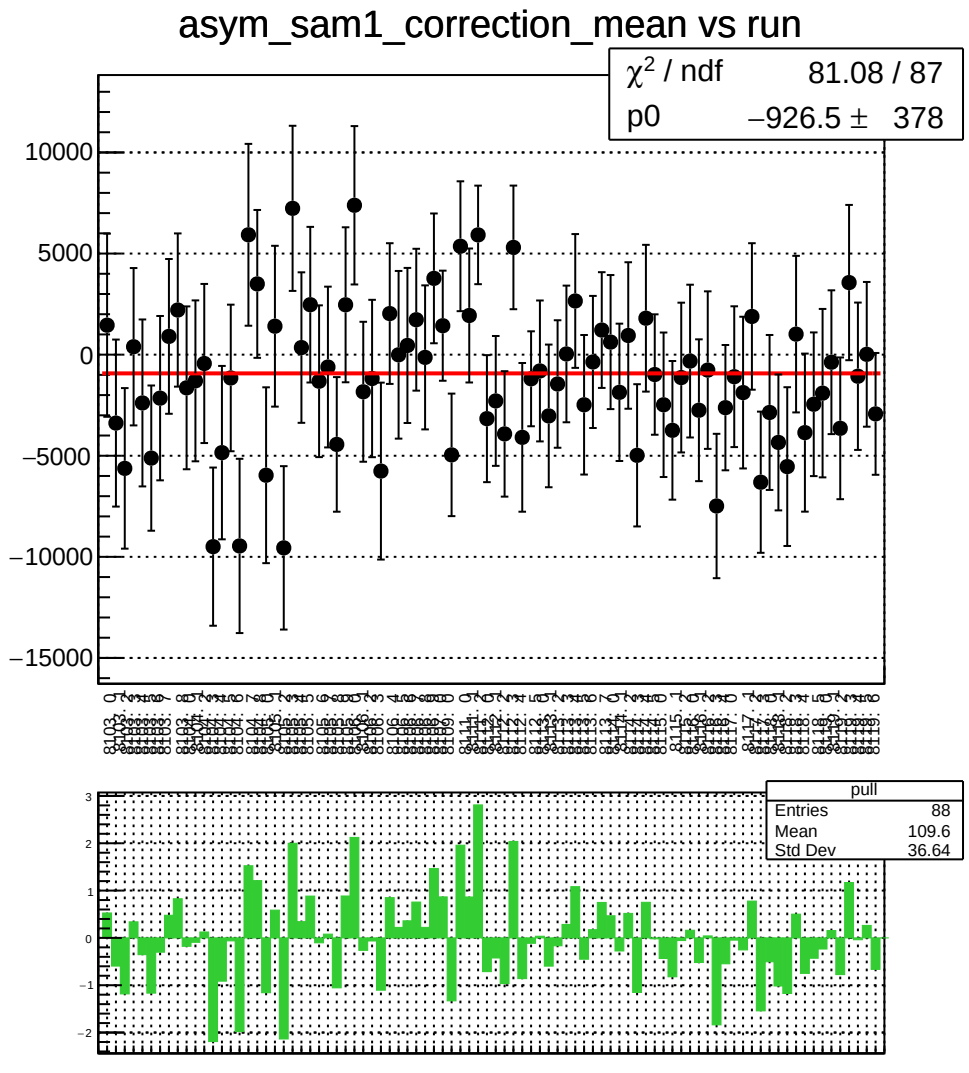

pull1D
Entries 88
Mean −0.01252
Std Dev 1.025
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

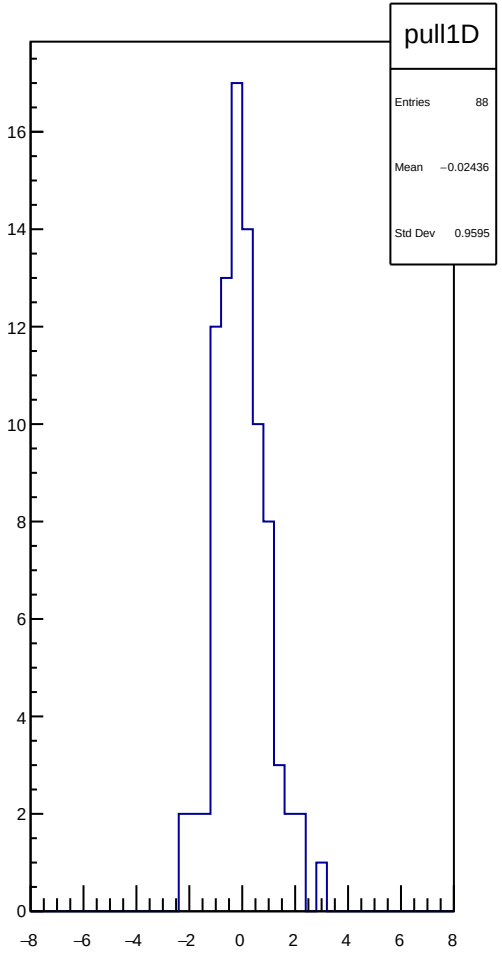

asym_atr2_rms vs run
χ² / ndf 3127 / 87
p0 1.211e+04 ± 9.318
14000
13500
13000
12500
12000
11500
11000

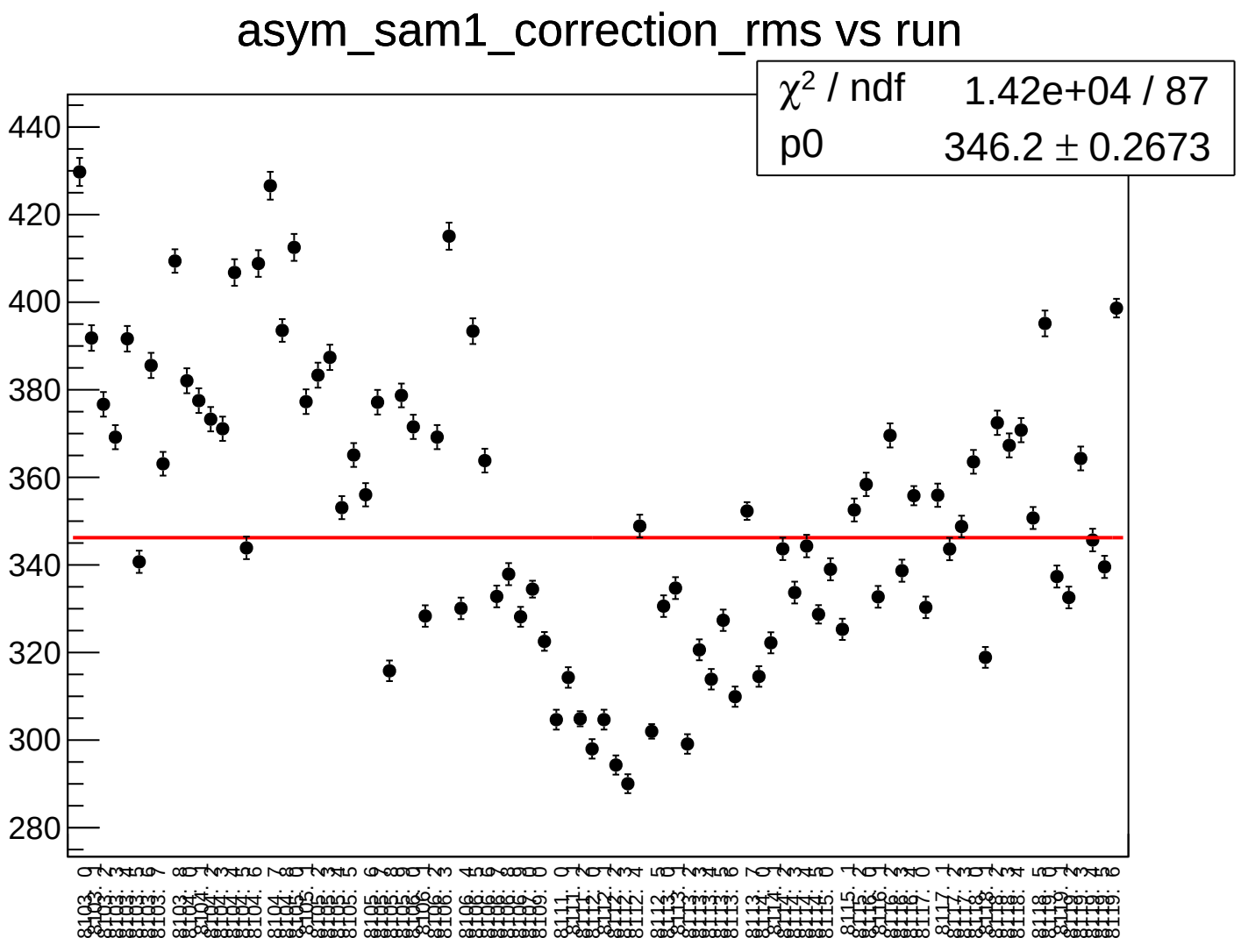

dit_asym_sam1_mean vs run
χ² / ndf 101.8 / 87
p0 −256 ± 72.01
2000
1000
0
−1000
−2000
−3000
pull
Entries 88
Mean −70.98
Std Dev 45.55
2
1
0
−1
−2
−3

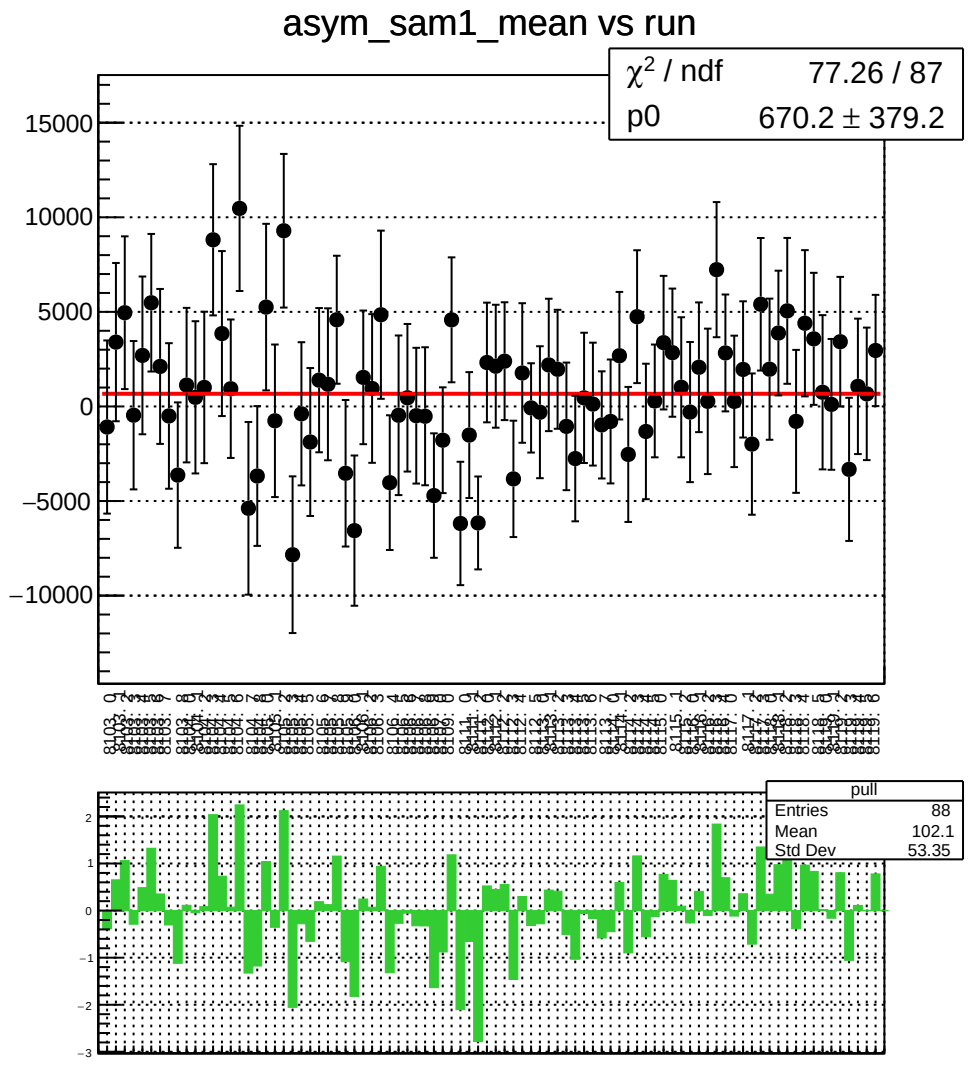

pull1D
Entries 88
Mean 0.00834
Std Dev 1.075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

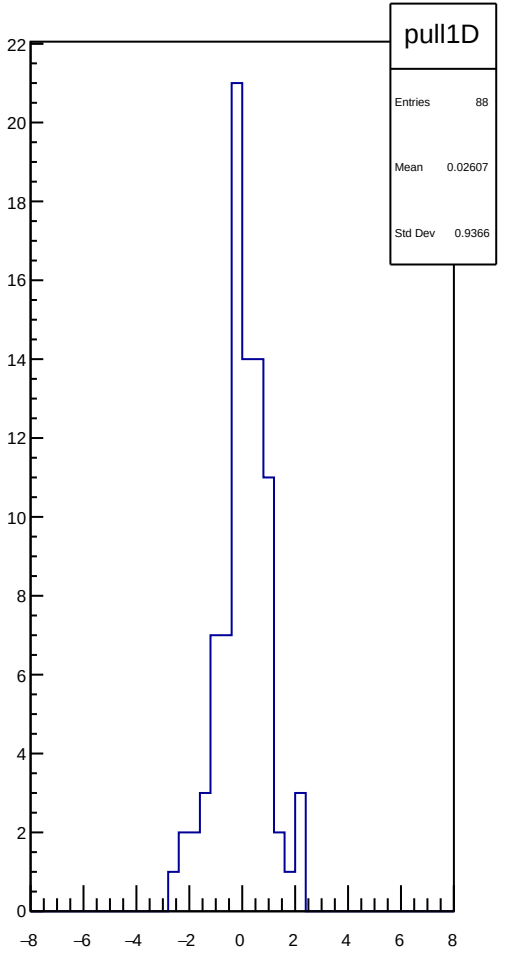

dit_asym_sam1_rms vs run
χ² / ndf 4250 / 87
p0 66.15 ± 0.05092
85
80
75
70
65
60
55

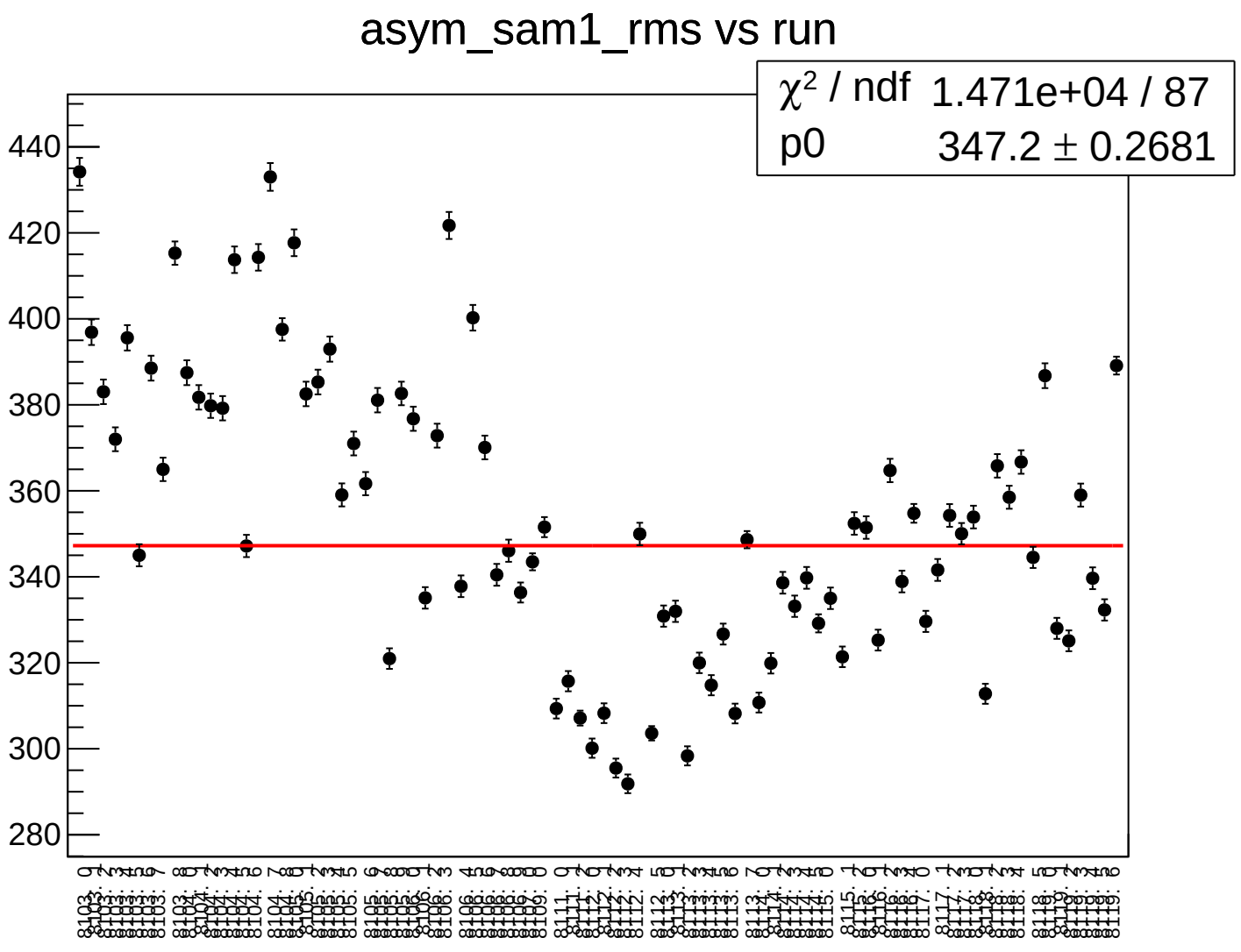

asym_sam1_correction_mean vs run
χ² / ndf 81.08 / 87
p0 −926.5 ± 378
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 109.6
Std Dev 36.64
3
2
1
0
−1
−2

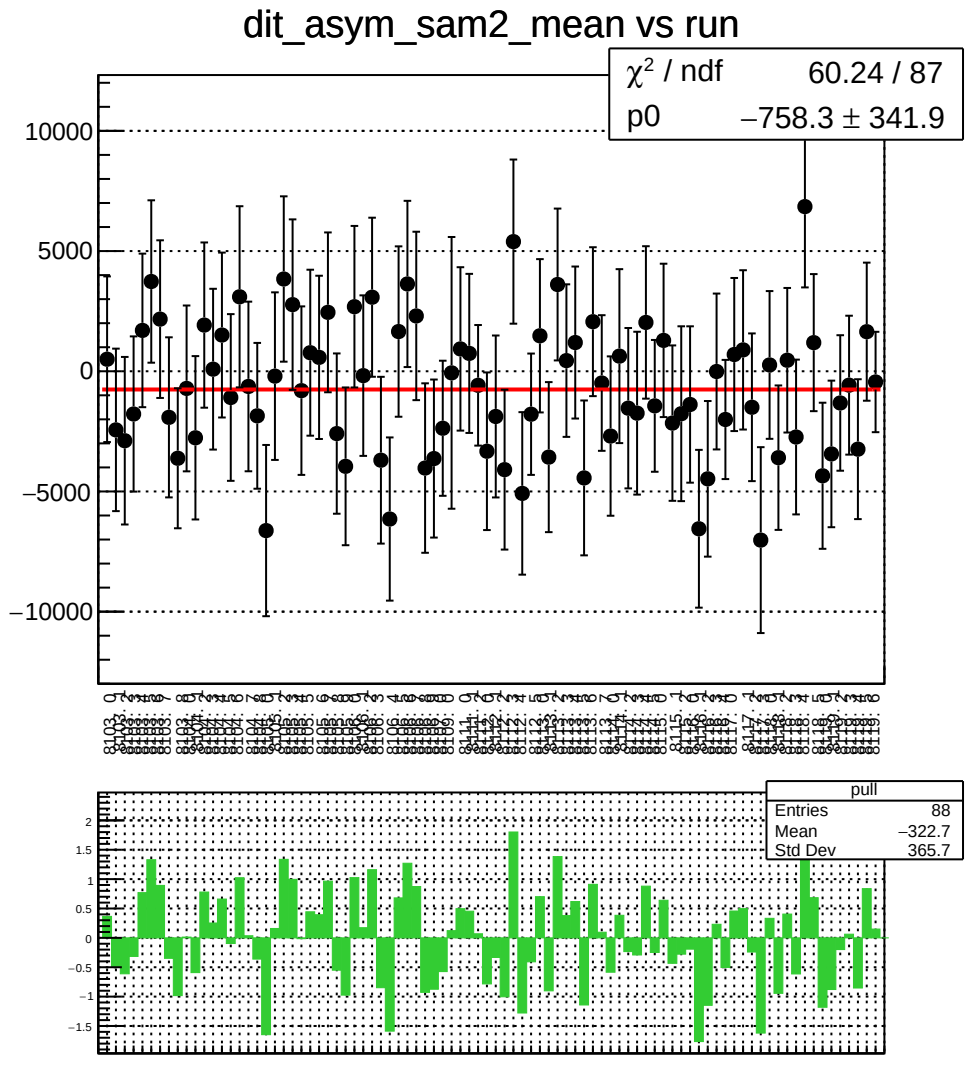

pull1D
Entries 88
Mean −0.02436
Std Dev 0.9595
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

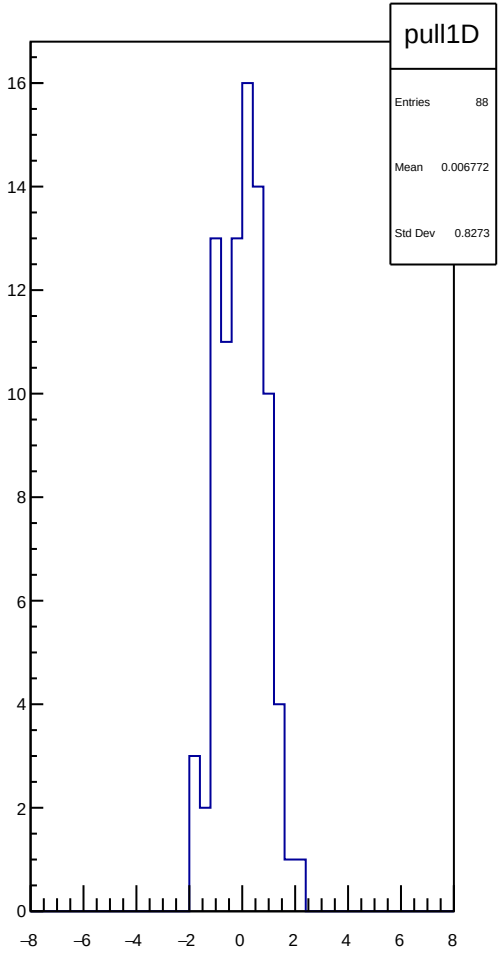

asym_sam1_correction_rms vs run
χ^2 / ndf 1.42e+04 / 87
p0 346.2 ± 0.2673
440
420
400
380
360
340
320
300
280

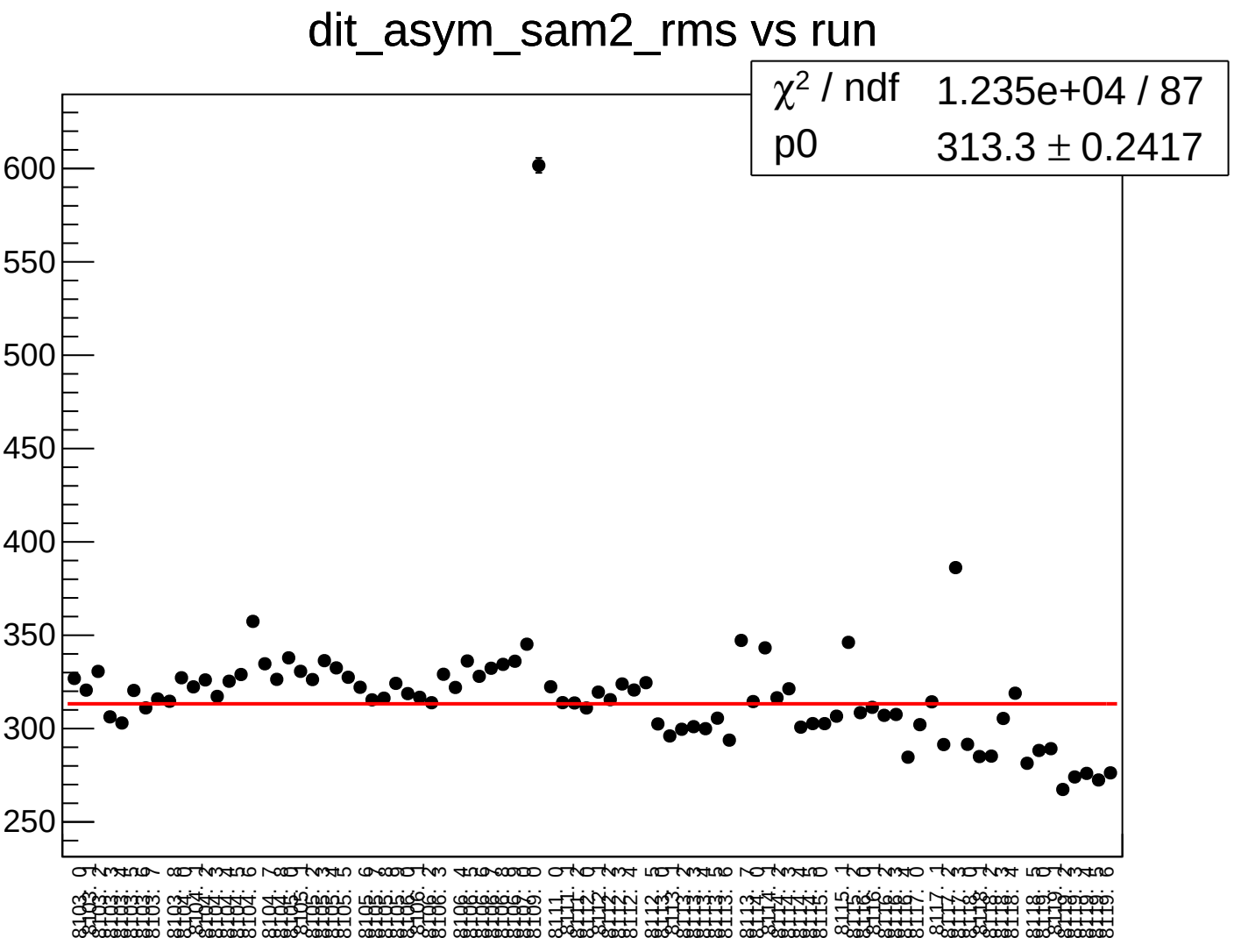

asym_sam1_mean vs run
χ² / ndf 77.26 / 87
p0 670.2 ± 379.2
15000
10000
5000
0
−5000
−10000
pull
Entries 88
Mean 102.1
Std Dev 53.35
2
1
0
−1
−2
−3

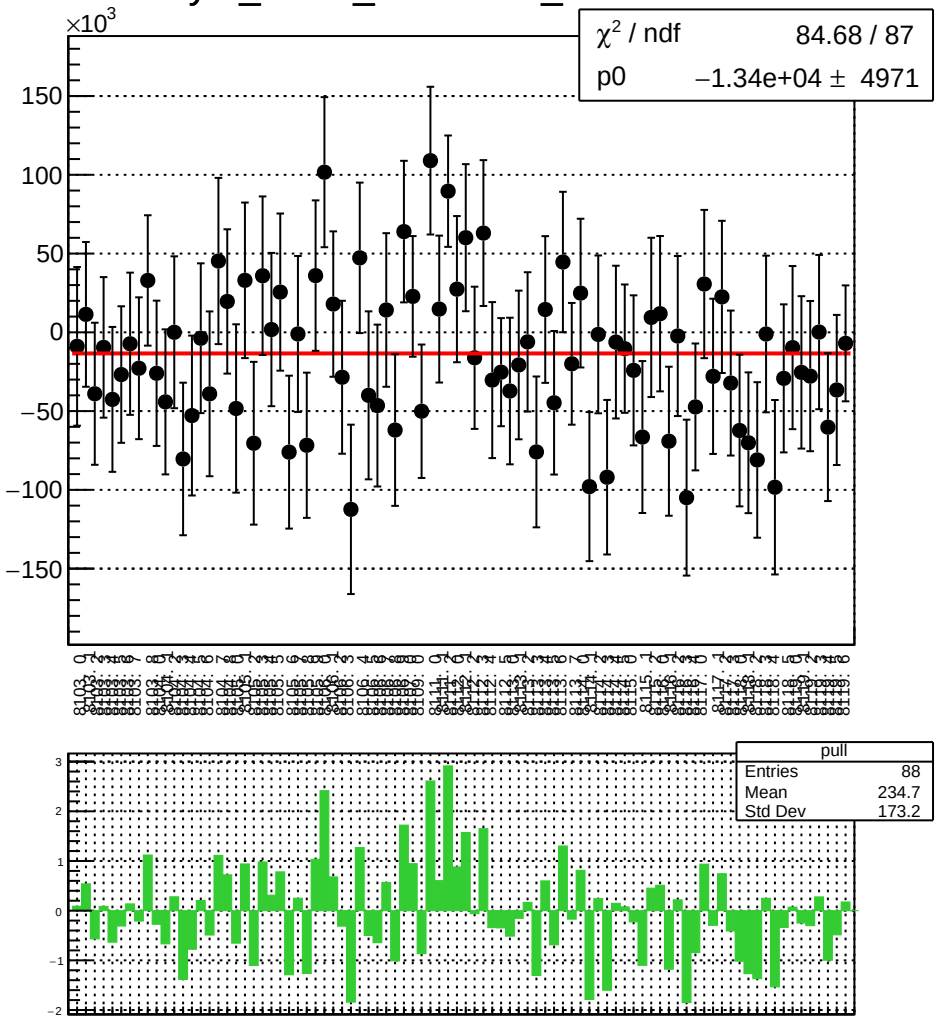

pull1D
Entries 88
Mean 0.02607
Std Dev 0.9366
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

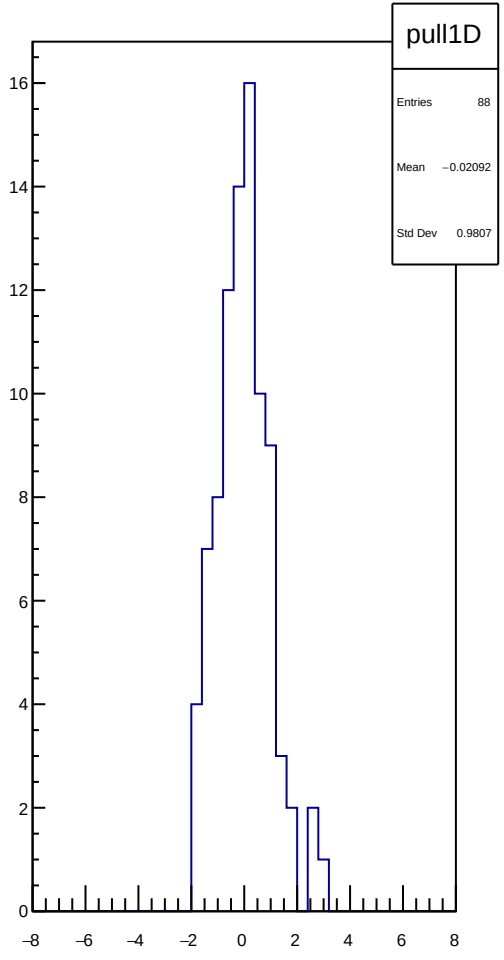

asym_sam1_rms vs run
χ² / ndf 1.471e+04 / 87
p0 347.2 ± 0.2681
440
420
400
380
360
340
320
300
280

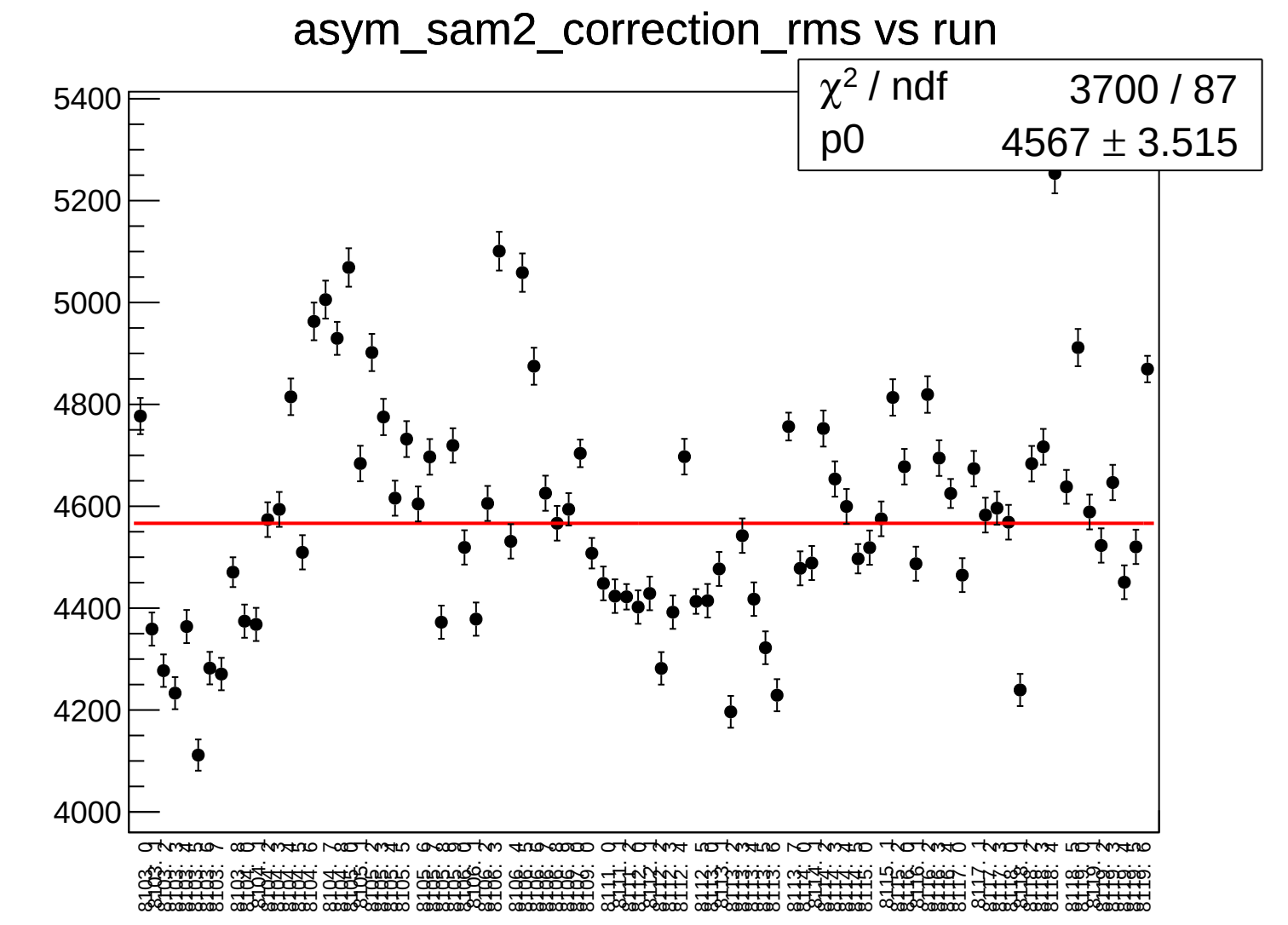

dit_asym_sam2_mean vs run
χ² / ndf 60.24 / 87
p0 −758.3 ± 341.9
10000
5000
0
−5000
−10000
pull
Entries 88
Mean −322.7
Std Dev 365.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

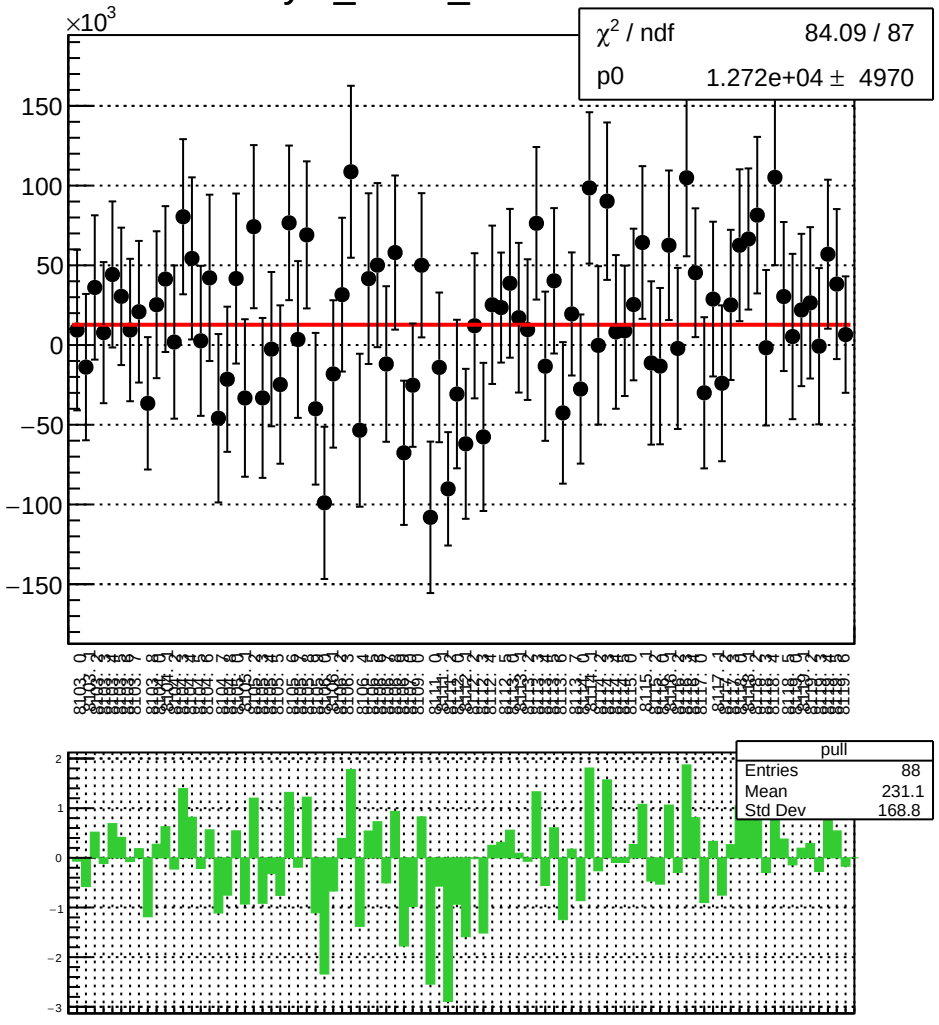

pull1D
Entries 88
Mean 0.006772
Std Dev 0.8273
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

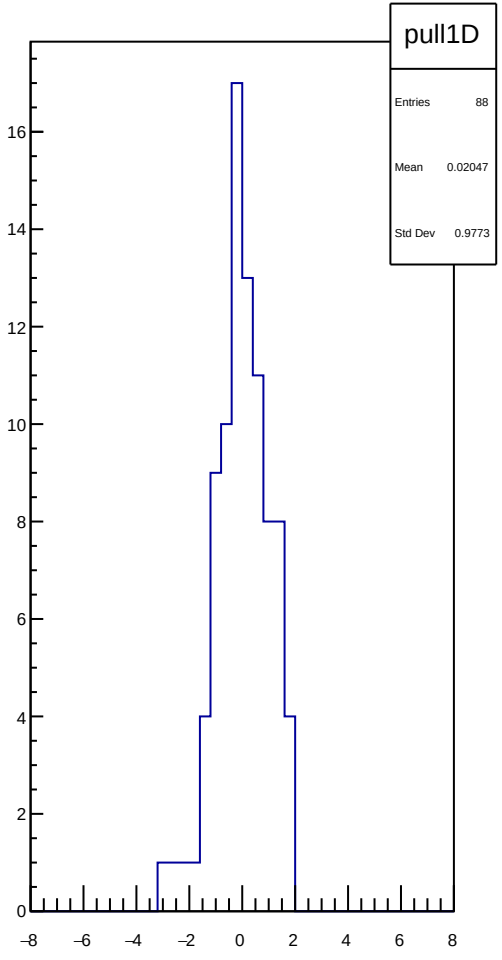

dit_asym_sam2_rms vs run
χ² / ndf 1.235e+04 / 87
p0 313.3 ± 0.2417
600
550
500
450
400
350
300
250

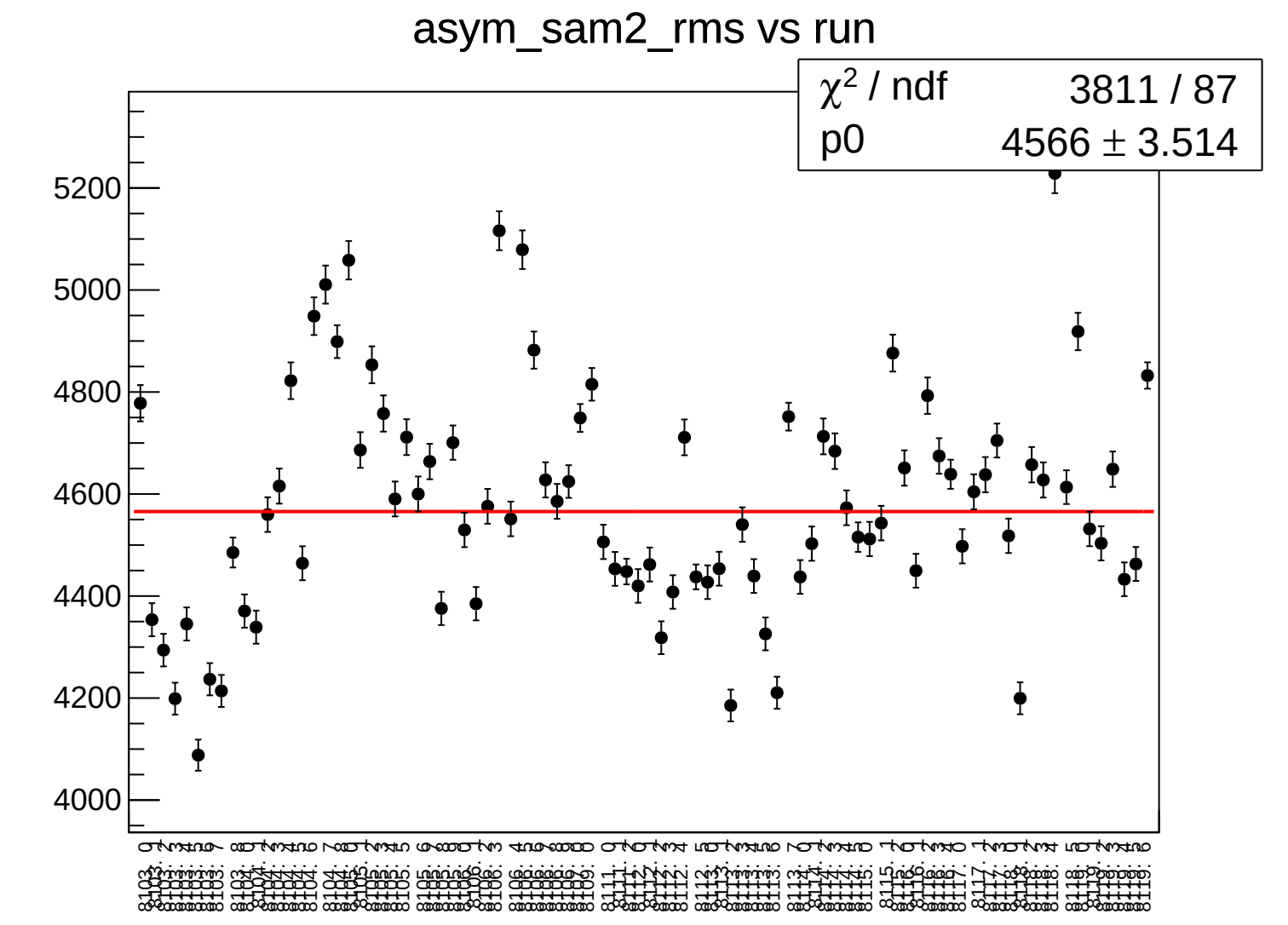

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 84.68 / 87
p0 −1.34e+04 ± 4971
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 234.7
Std Dev 173.2
3
2
1
0
−1
−2

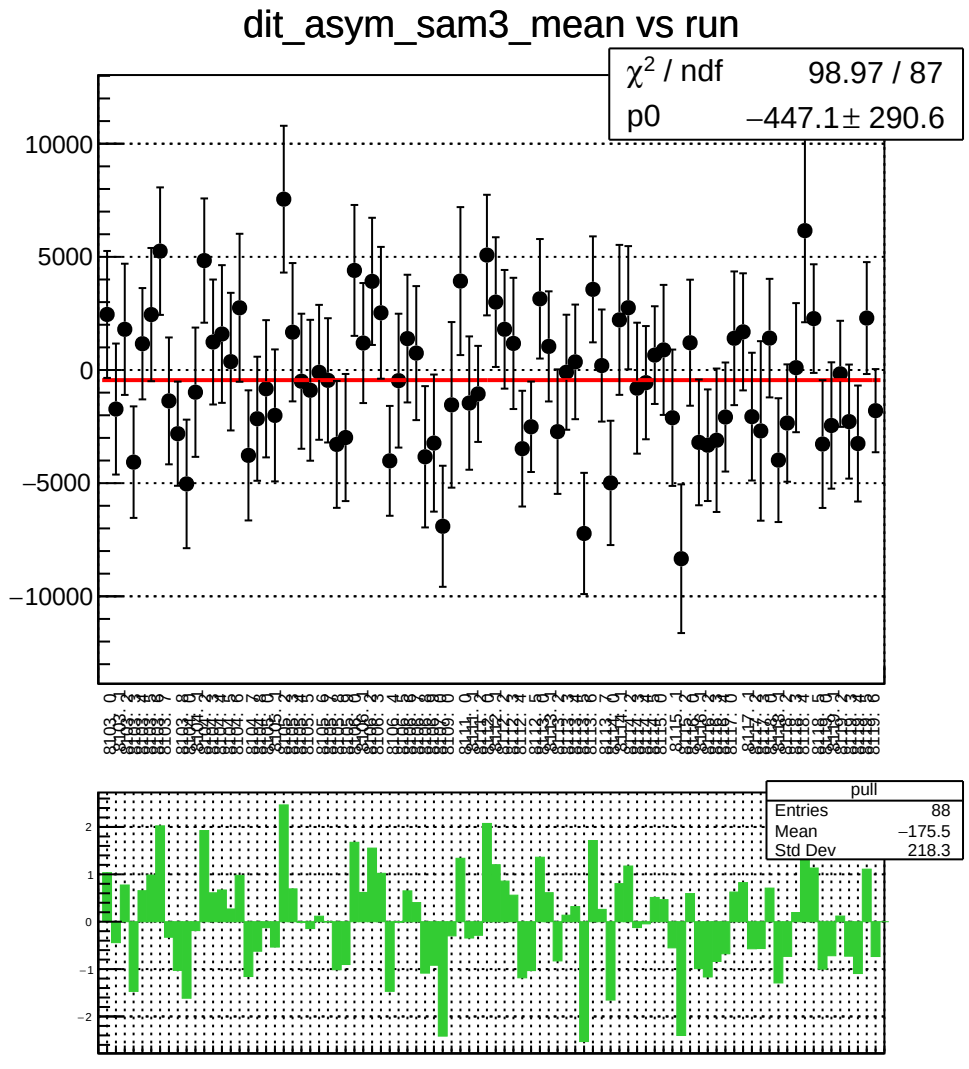

pull1D
Entries 88
Mean −0.02092
Std Dev 0.9807
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

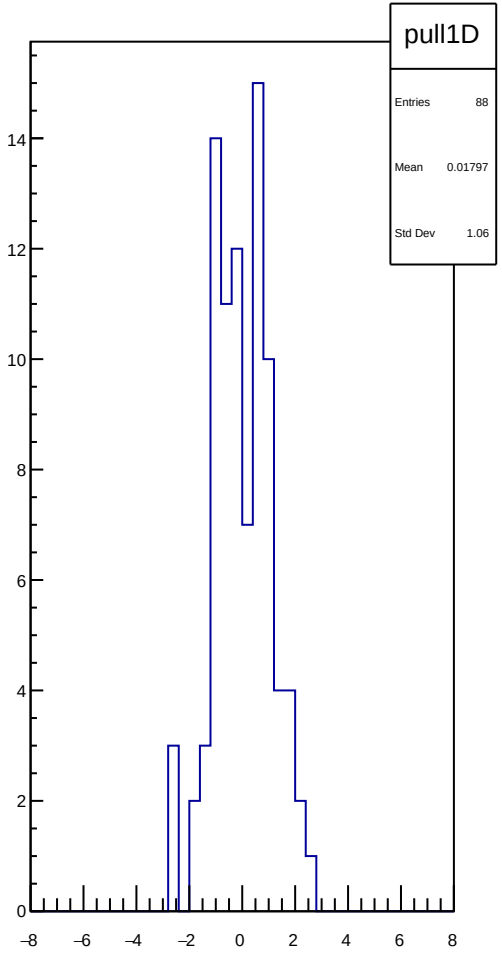

asym_sam2_correction_rms vs run
χ² / ndf 3700 / 87
p0 4567 ± 3.515
5400
5200
5000
4800
4600
4400
4200
4000

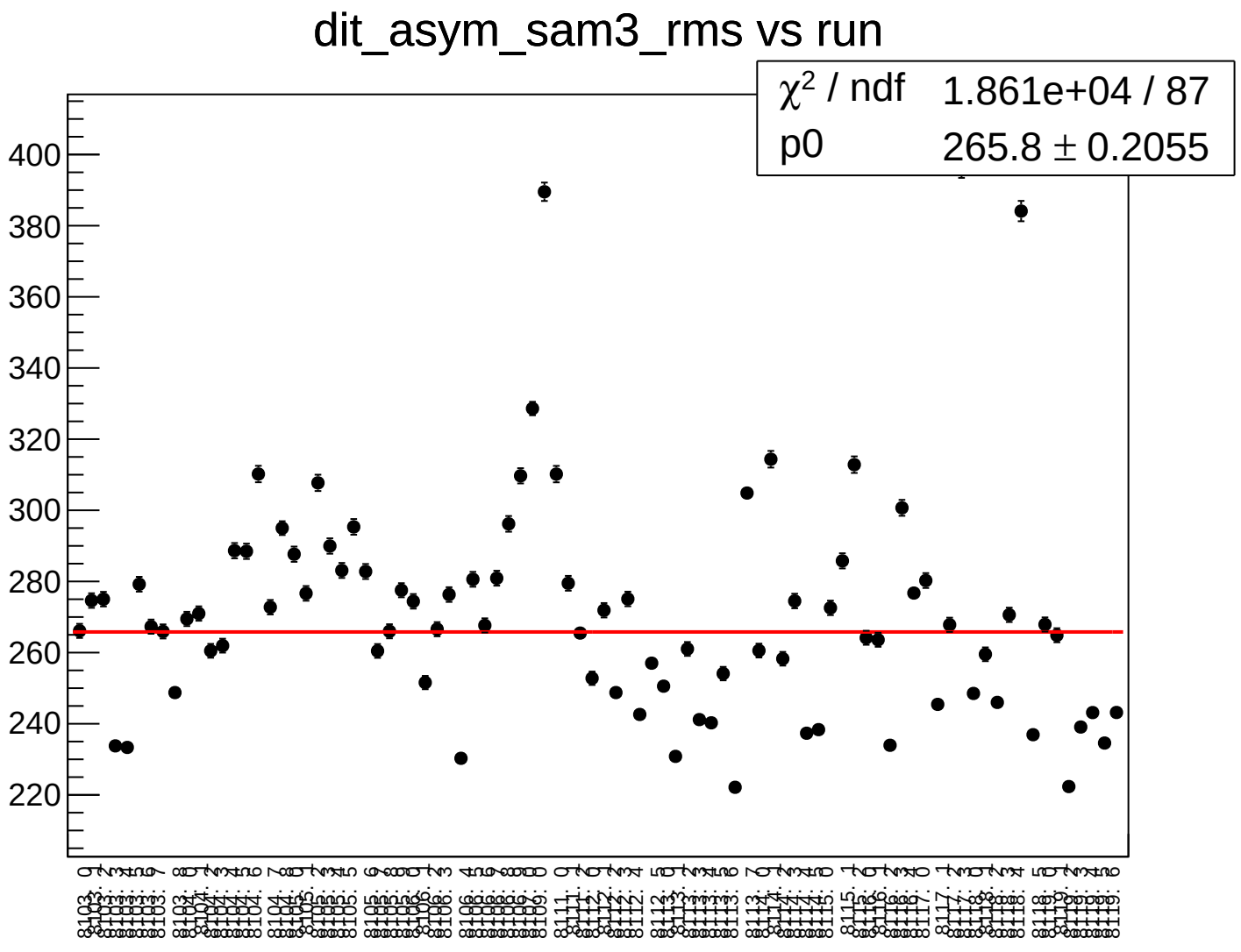

asym_sam2_mean vs run
×10^3
χ² / ndf 84.09 / 87
p0 1.272e+04 ± 4970
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 231.1
Std Dev 168.8
2
1
0
−1
−2
−3

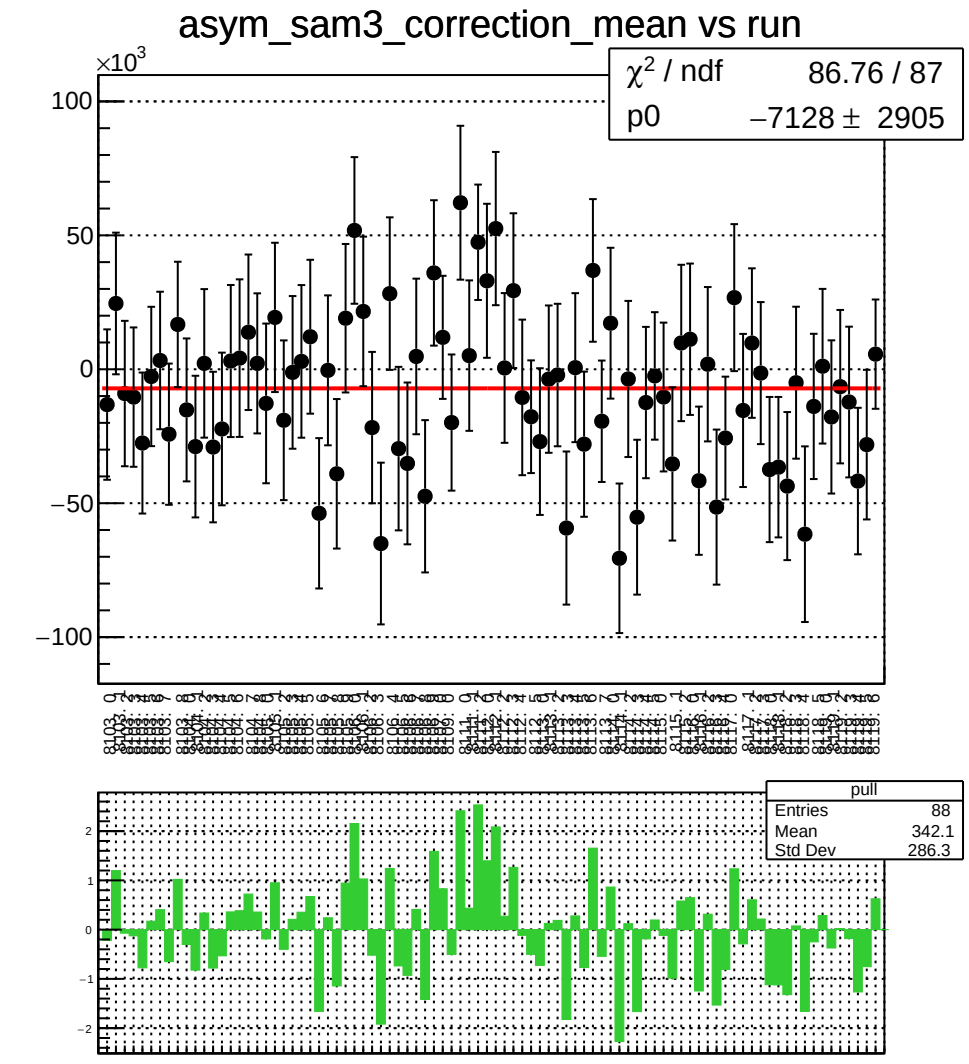

pull1D
Entries 88
Mean 0.02047
Std Dev 0.9773
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

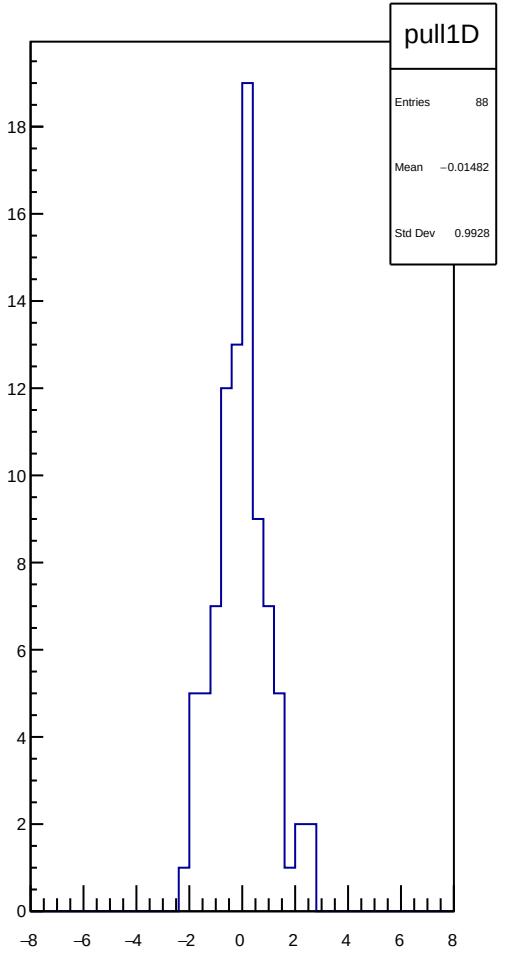

asym_sam2_rms vs run
χ^2 / ndf 3811 / 87
p0 4566 ± 3.514
5200
5000
4800
4600
4400
4200
4000

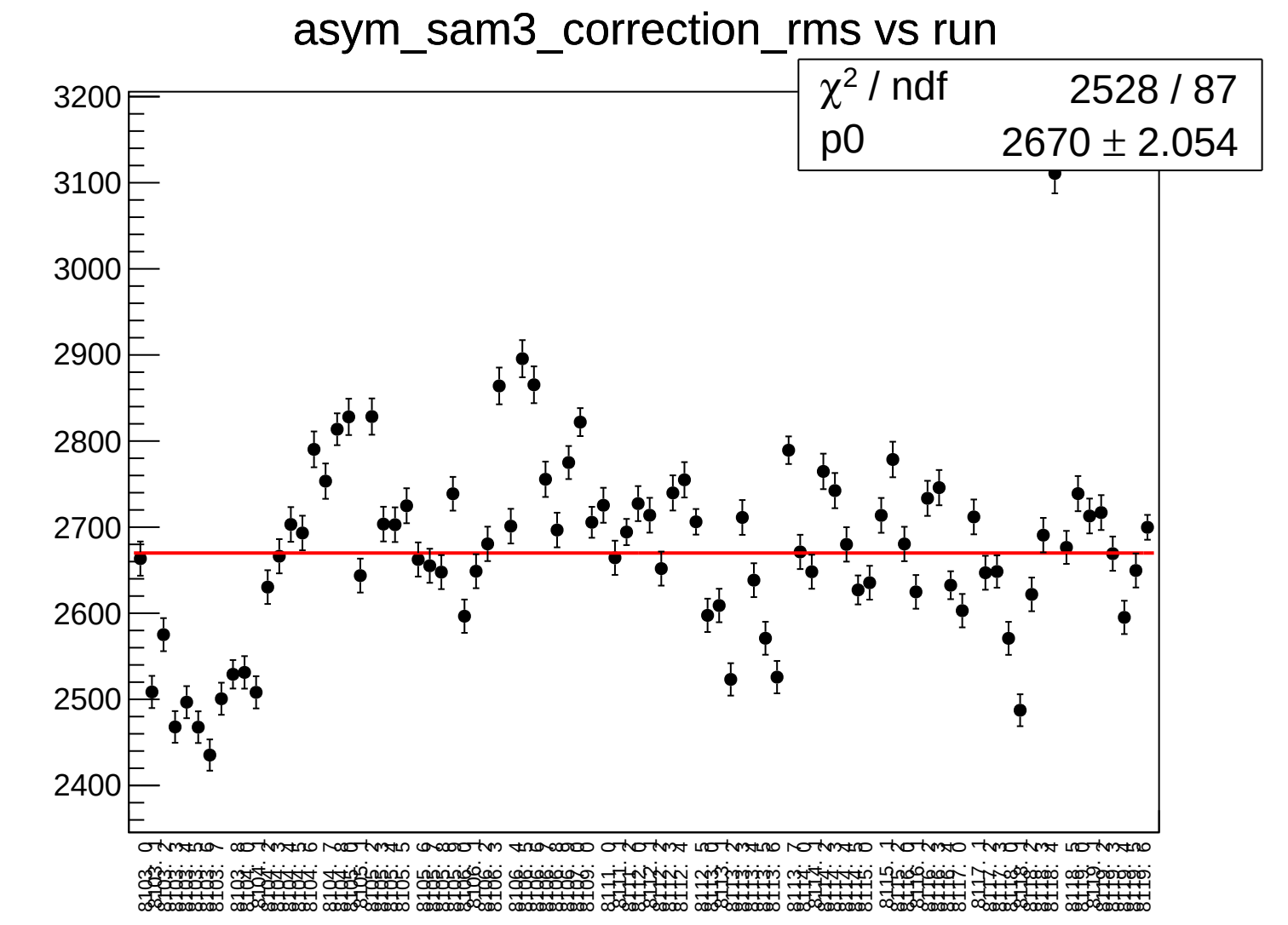

dit_asym_sam3_mean vs run
χ^2 / ndf 98.97 / 87
p0 −447.1± 290.6
10000
5000
0
−5000
−10000
pull
Entries 88
Mean −175.5
Std Dev 218.3
2
1
0
−1
−2

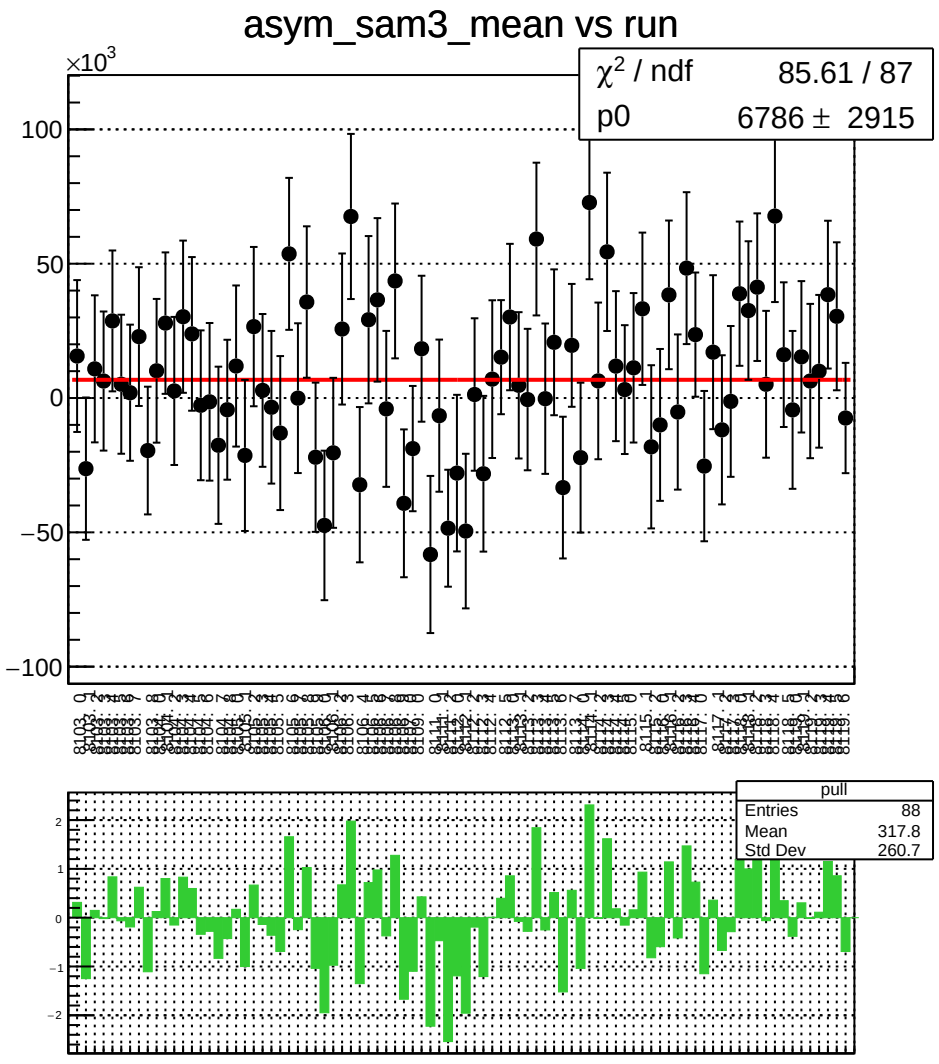

pull1D
Entries 88
Mean 0.01797
Std Dev 1.06
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

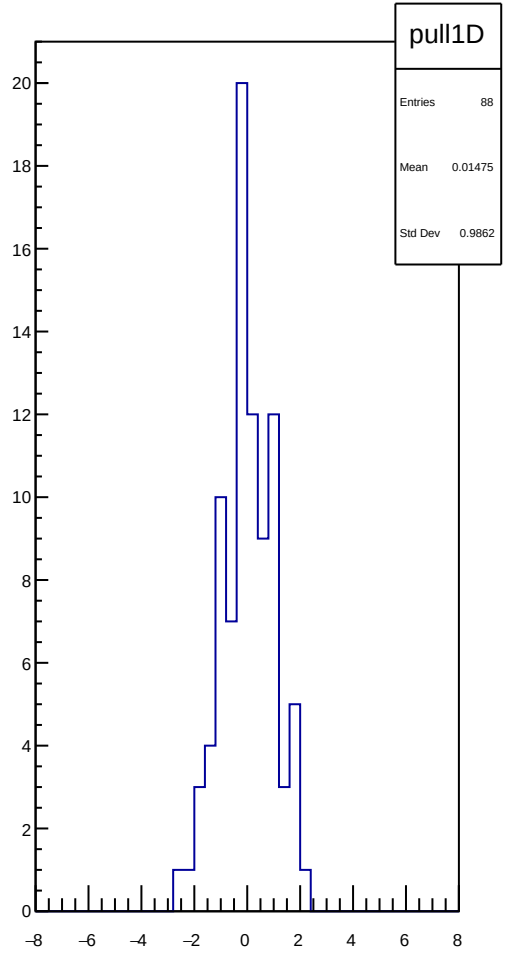

dit_asym_sam3_rms vs run
χ² / ndf 1.861e+04 / 87
p0 265.8 ± 0.2055
400
380
360
340
320
300
280
260
240
220

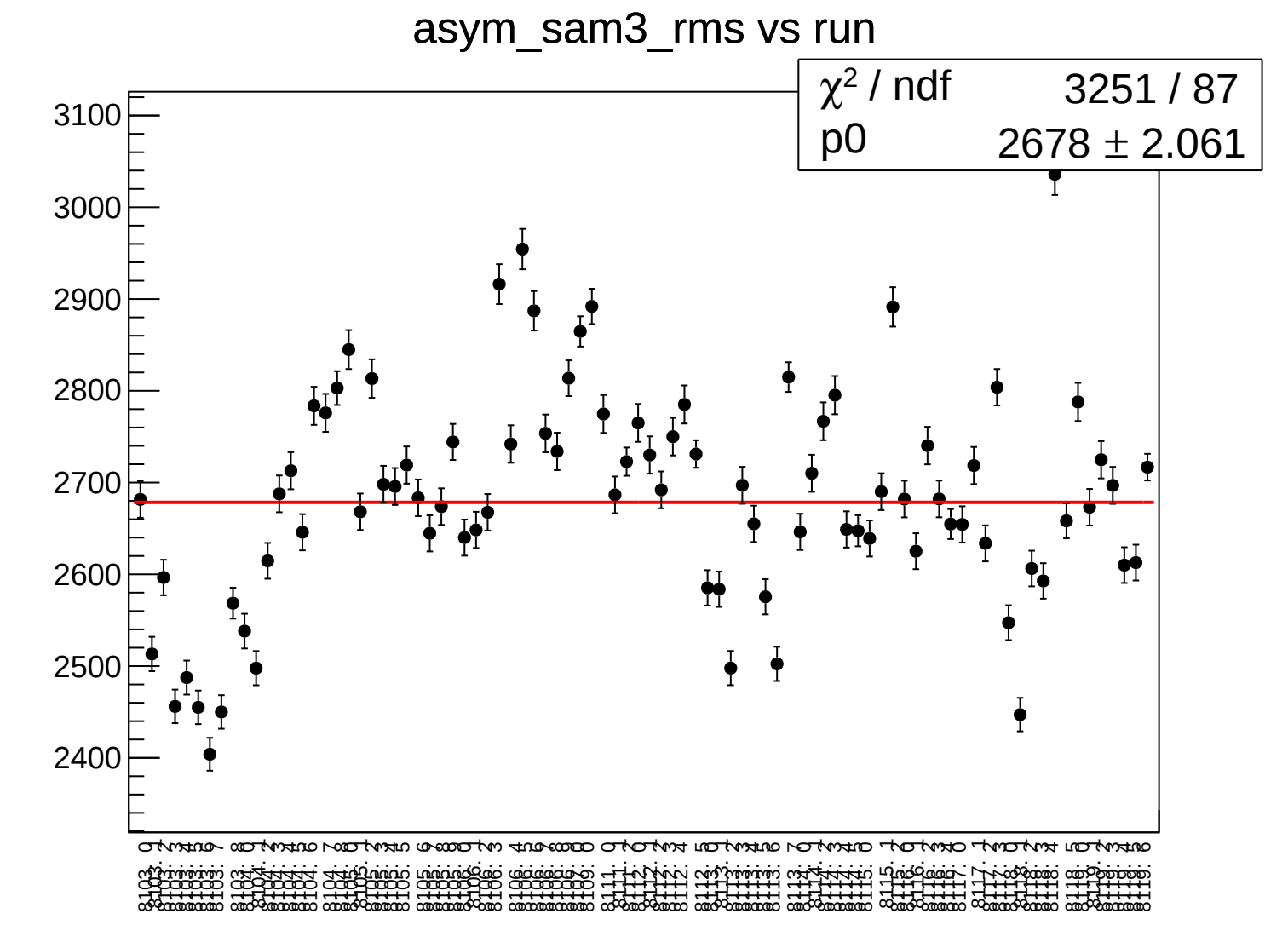

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 86.76 / 87
p0 −7128 ± 2905
100
50
0
−50
−100
pull
Entries 88
Mean 342.1
Std Dev 286.3
2
1
0
−1
−2

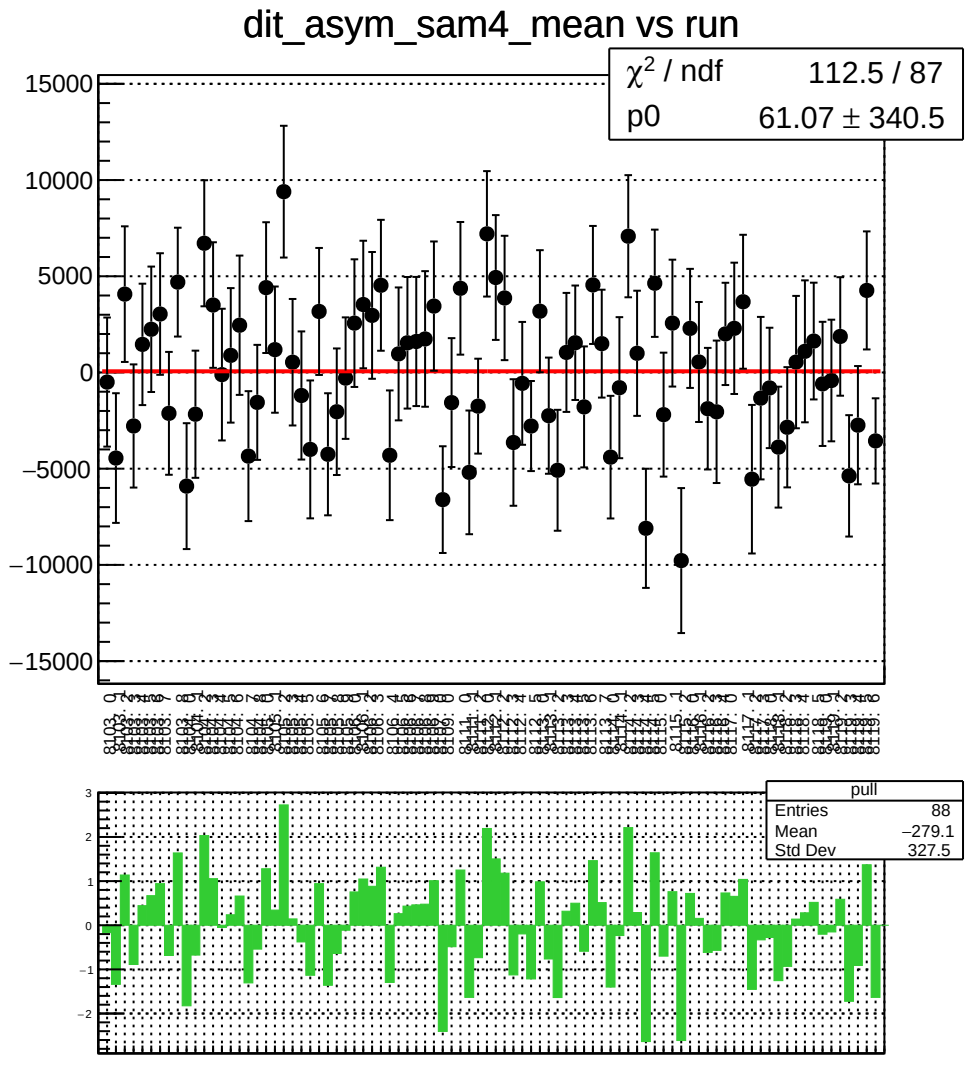

pull1D
Entries 88
Mean −0.01482
Std Dev 0.9928
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

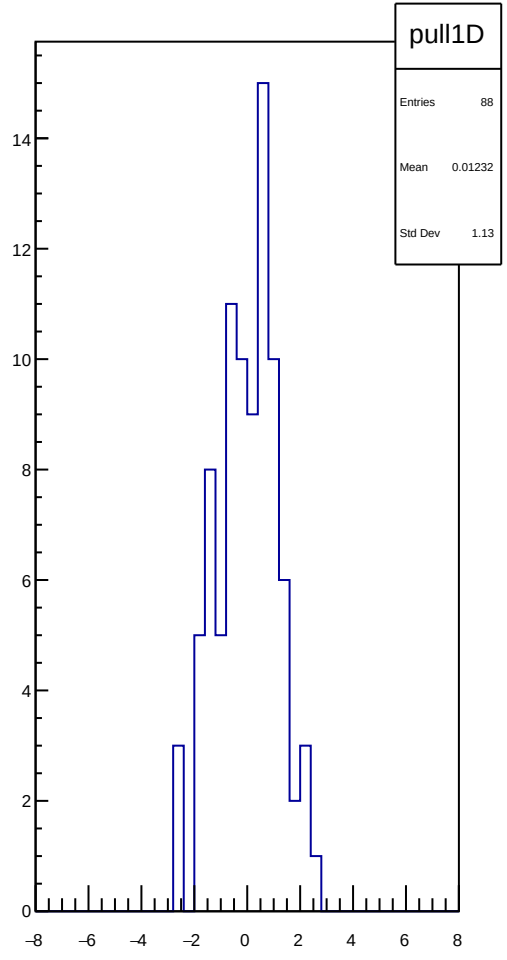

asym_sam3_correction_rms vs run
χ² / ndf 2528 / 87
p0 2670 ± 2.054
3200
3100
3000
2900
2800
2700
2600
2500
2400

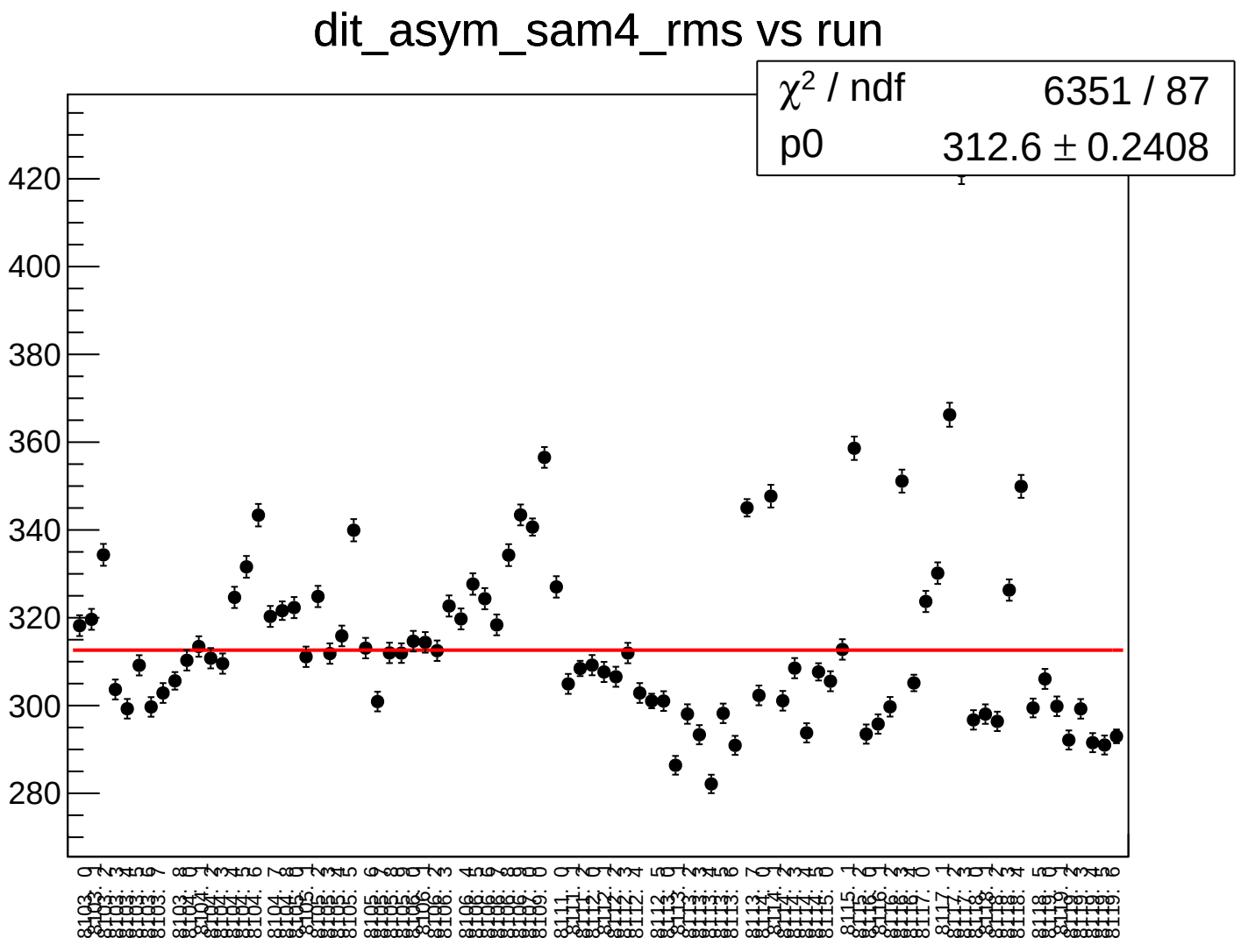

asym_sam3_mean vs run
×10^3
χ^2 / ndf 85.61 / 87
p0 6786 ± 2915
100
50
0
−50
−100
pull
Entries 88
Mean 317.8
Std Dev 260.7
2
1
0
−1
−2

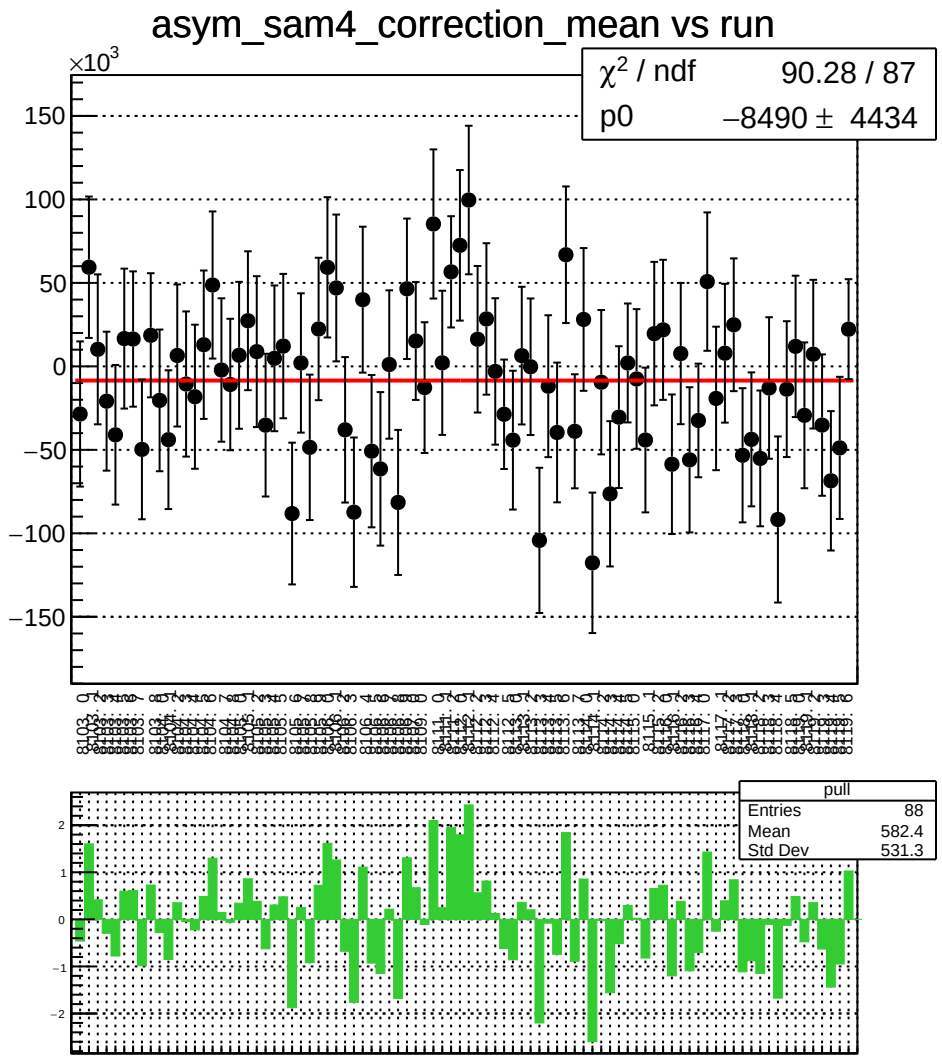

pull1D
Entries 88
Mean 0.01475
Std Dev 0.9862
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

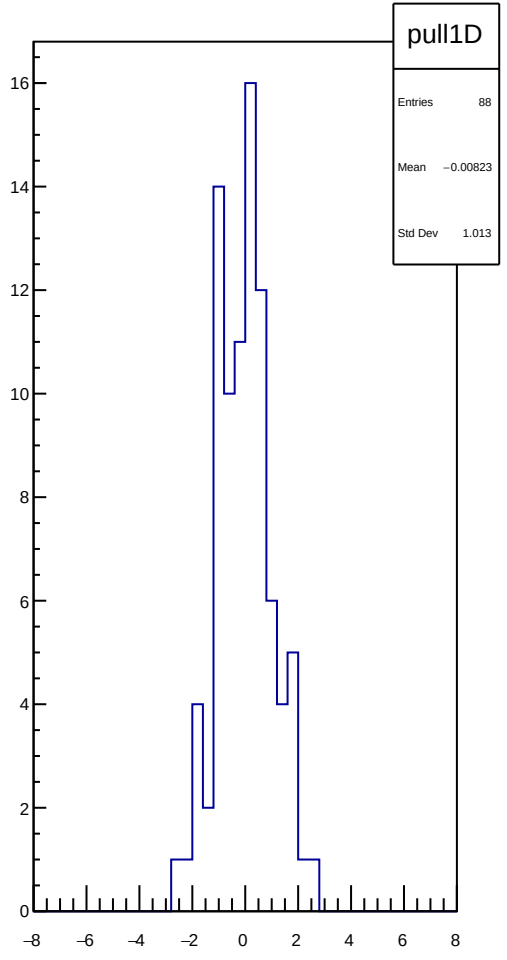

asym_sam3_rms vs run
χ^2 / ndf 3251 / 87
p0 2678 ± 2.061
3100
3000
2900
2800
2700
2600
2500
2400

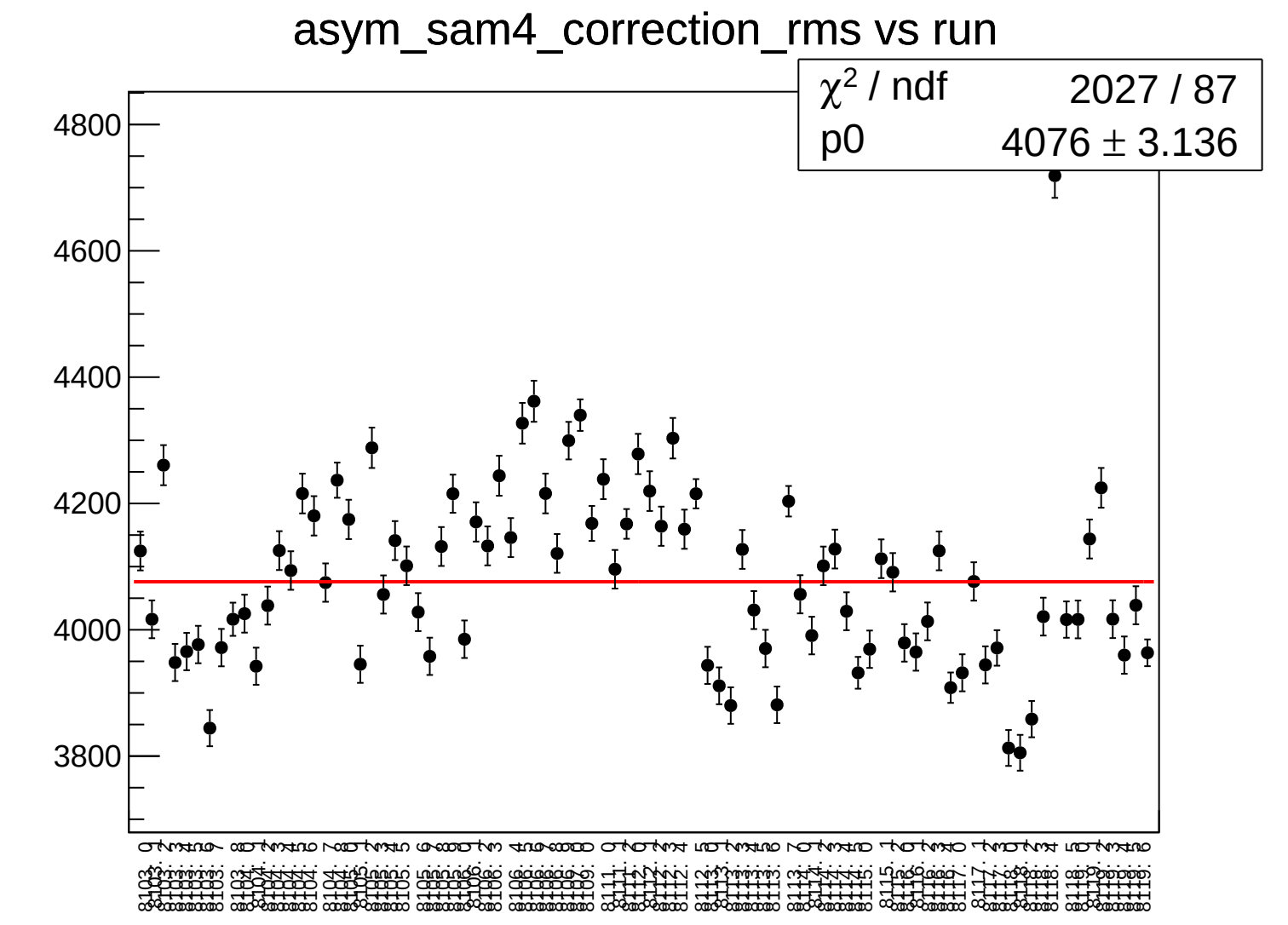

dit_asym_sam4_mean vs run
χ² / ndf 112.5 / 87
p0 61.07 ± 340.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean −279.1
Std Dev 327.5
3
2
1
0
−1
−2

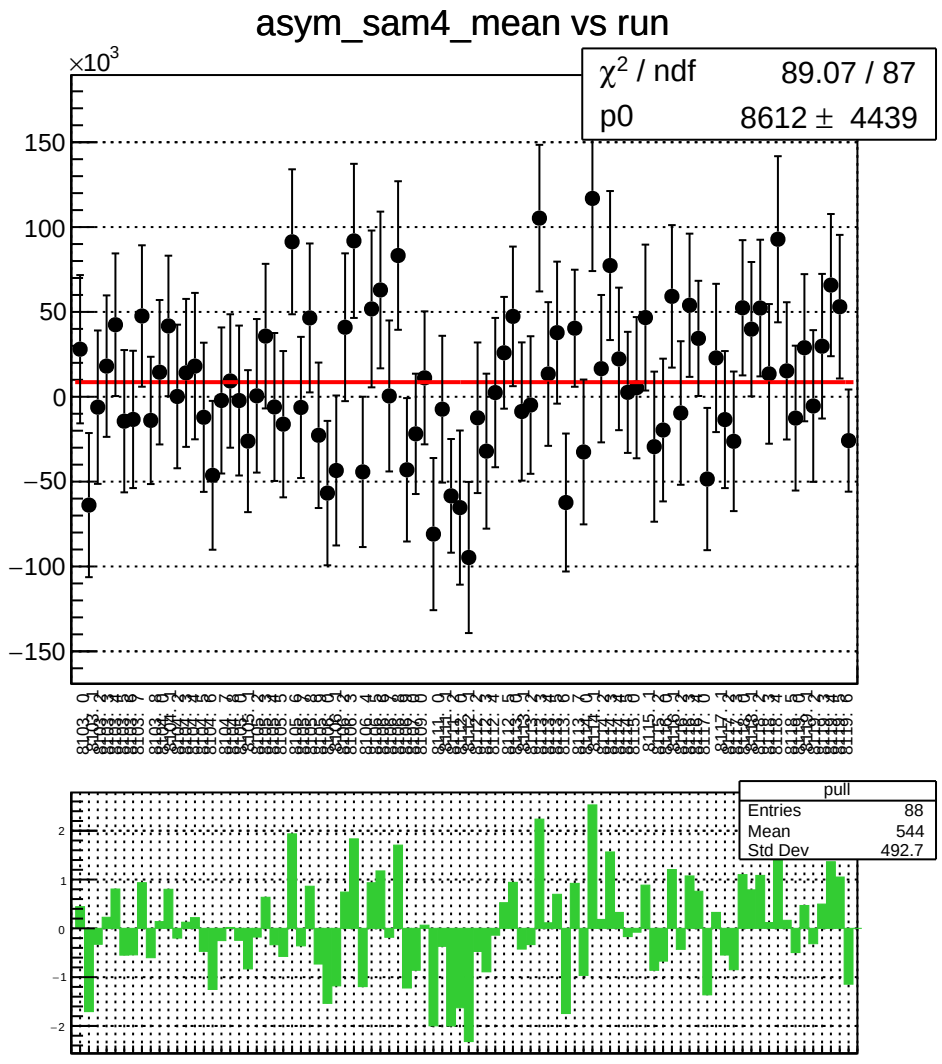

pull1D
Entries 88
Mean 0.01232
Std Dev 1.13
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

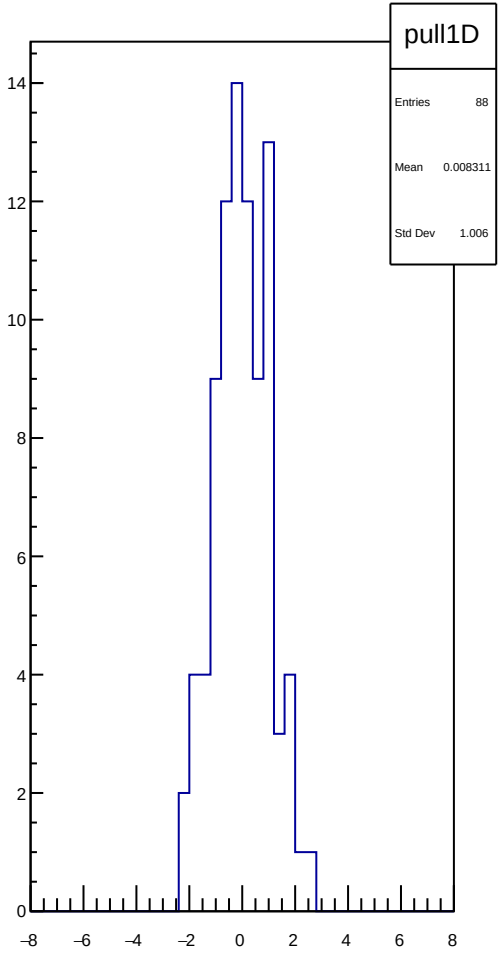

dit_asym_sam4_rms vs run
χ² / ndf 6351 / 87
p0 312.6 ± 0.2408
420
400
380
360
340
320
300
280

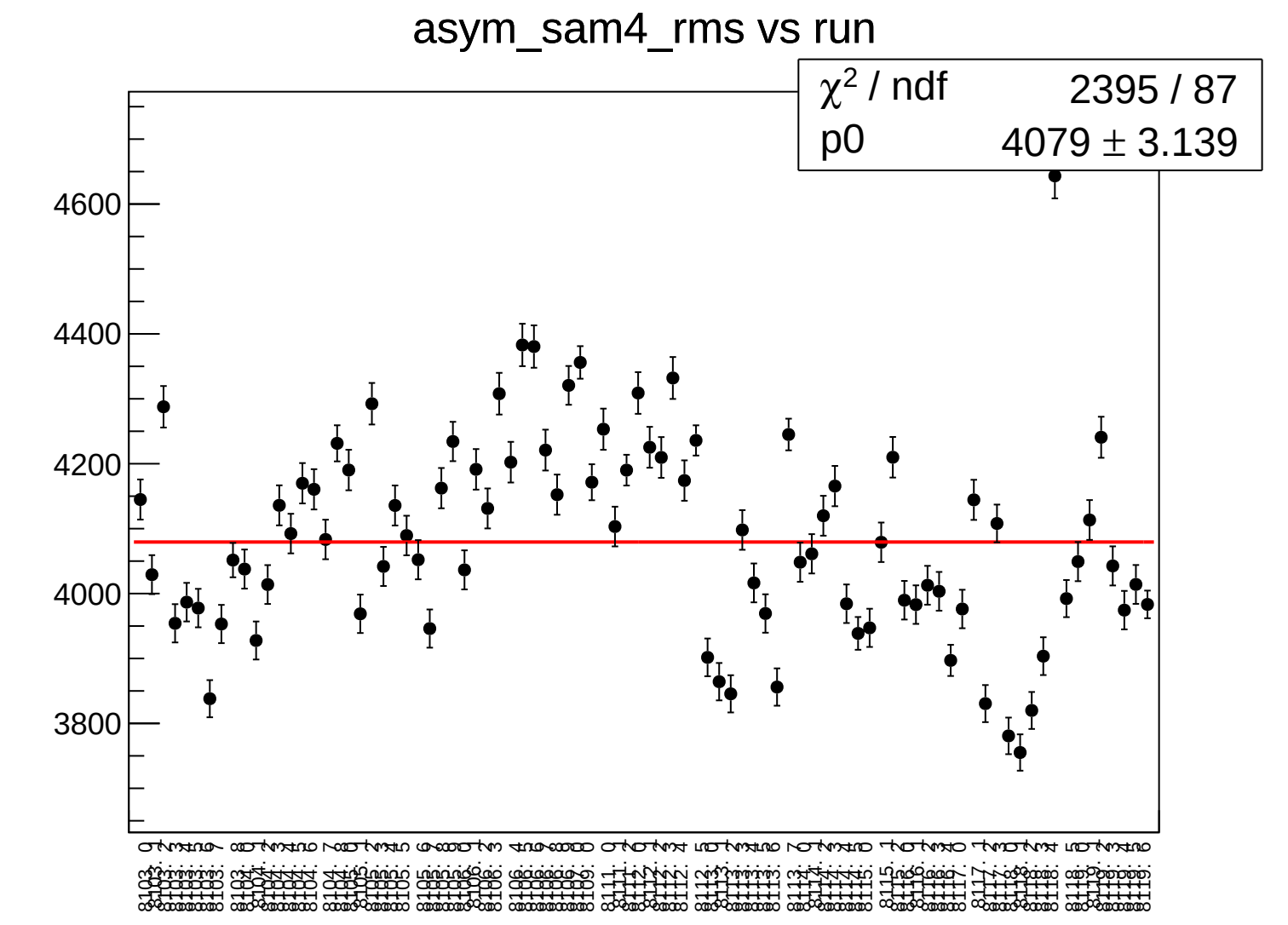

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 90.28 / 87
p0 −8490 ± 4434
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 582.4
Std Dev 531.3
2
1
0
−1
−2

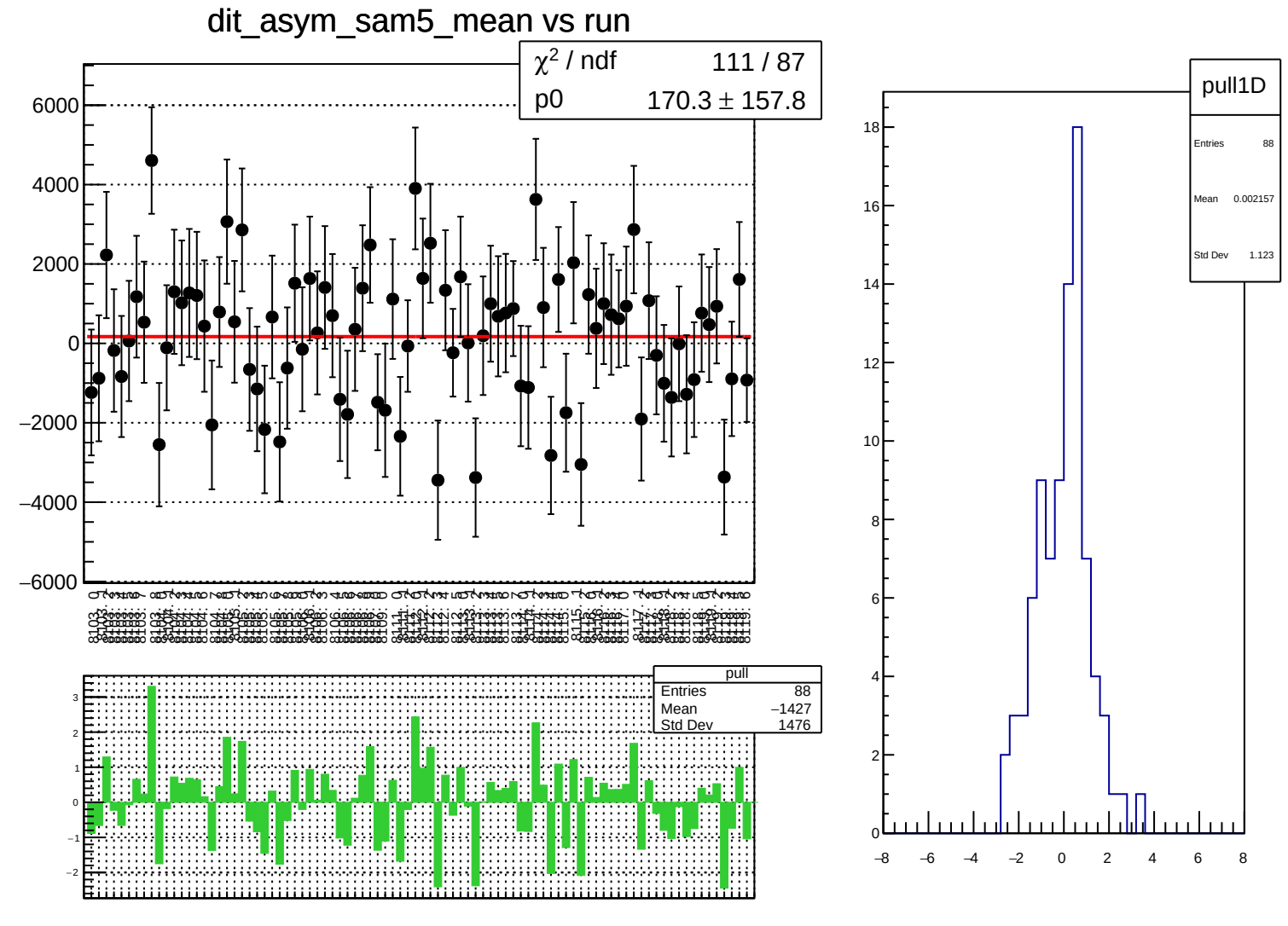

pull1D
Entries 88
Mean −0.00823
Std Dev 1.013
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

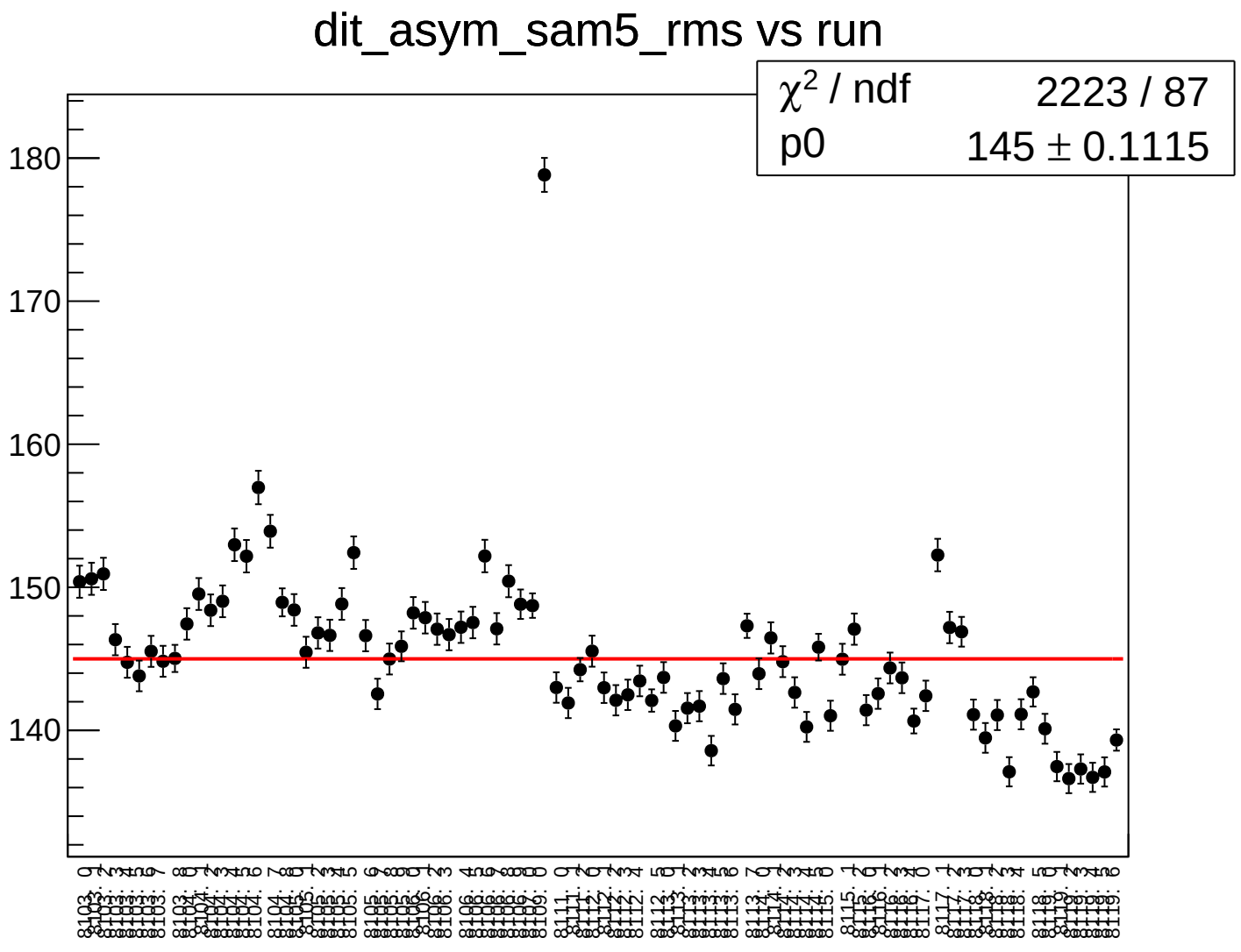

asym_sam4_correction_rms vs run
χ^2 / ndf 2027 / 87
p0 4076 ± 3.136
4800
4600
4400
4200
4000
3800

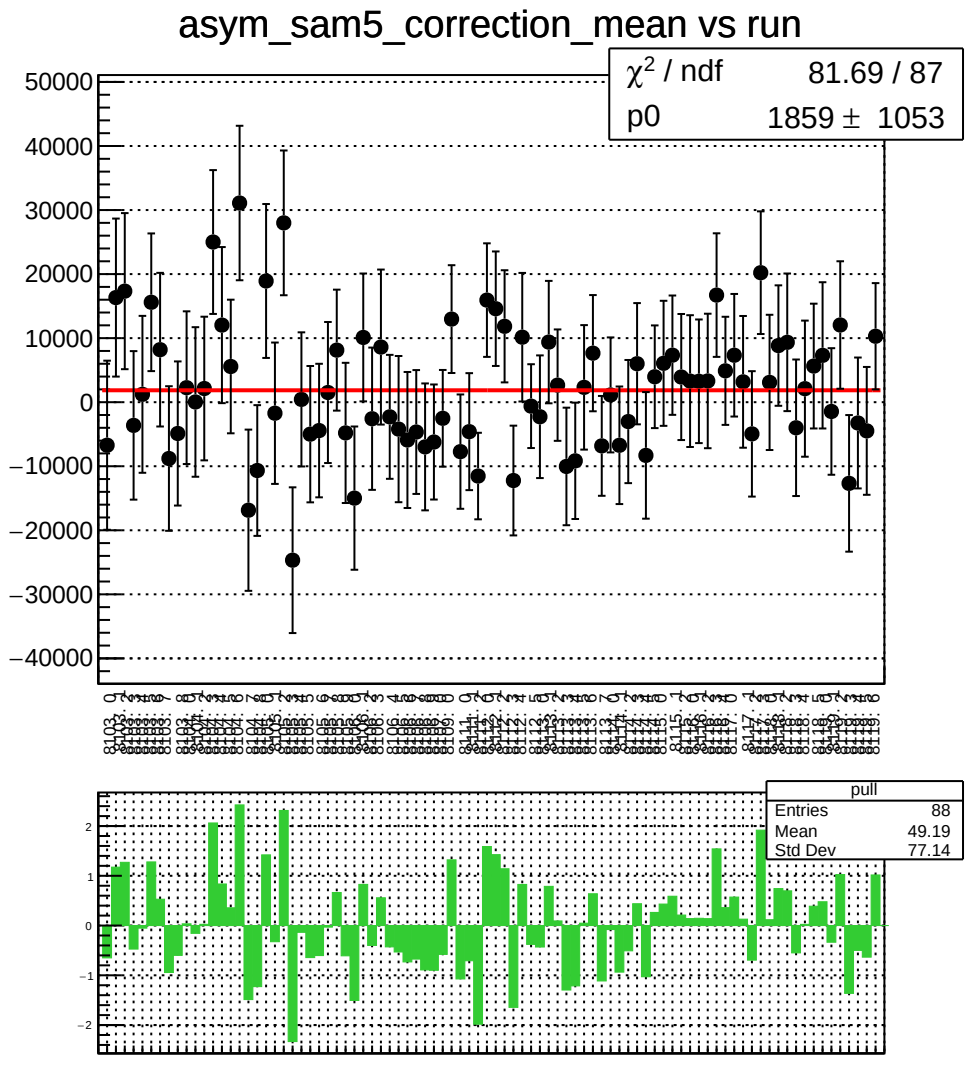

asym_sam4_mean vs run
×10^3
χ² / ndf 89.07 / 87
p0 8612 ± 4439
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 544
Std Dev 492.7
2
1
0
−1
−2

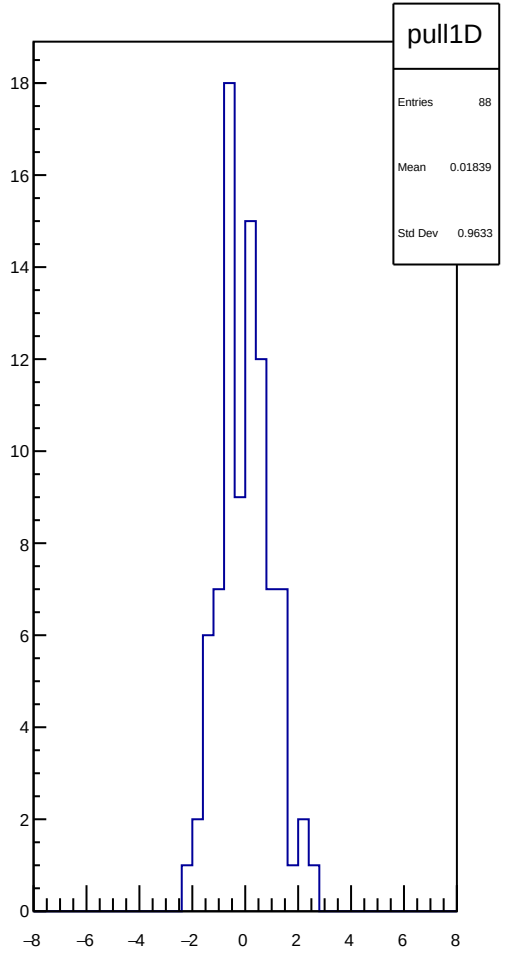

pull1D
Entries 88
Mean 0.008311
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

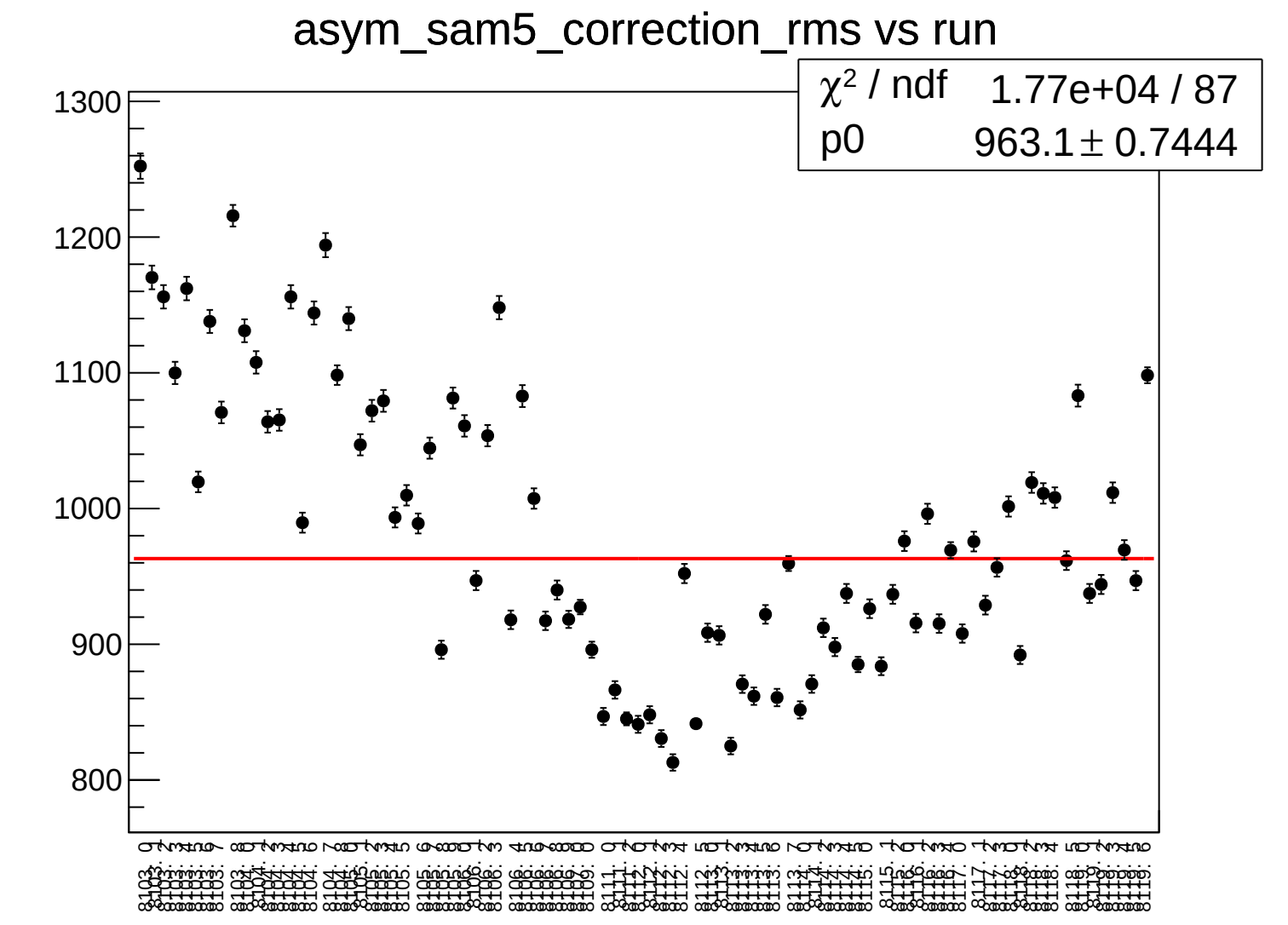

asym_sam4_rms vs run
χ² / ndf 2395 / 87
p0 4079 ± 3.139
4600
4400
4200
4000
3800

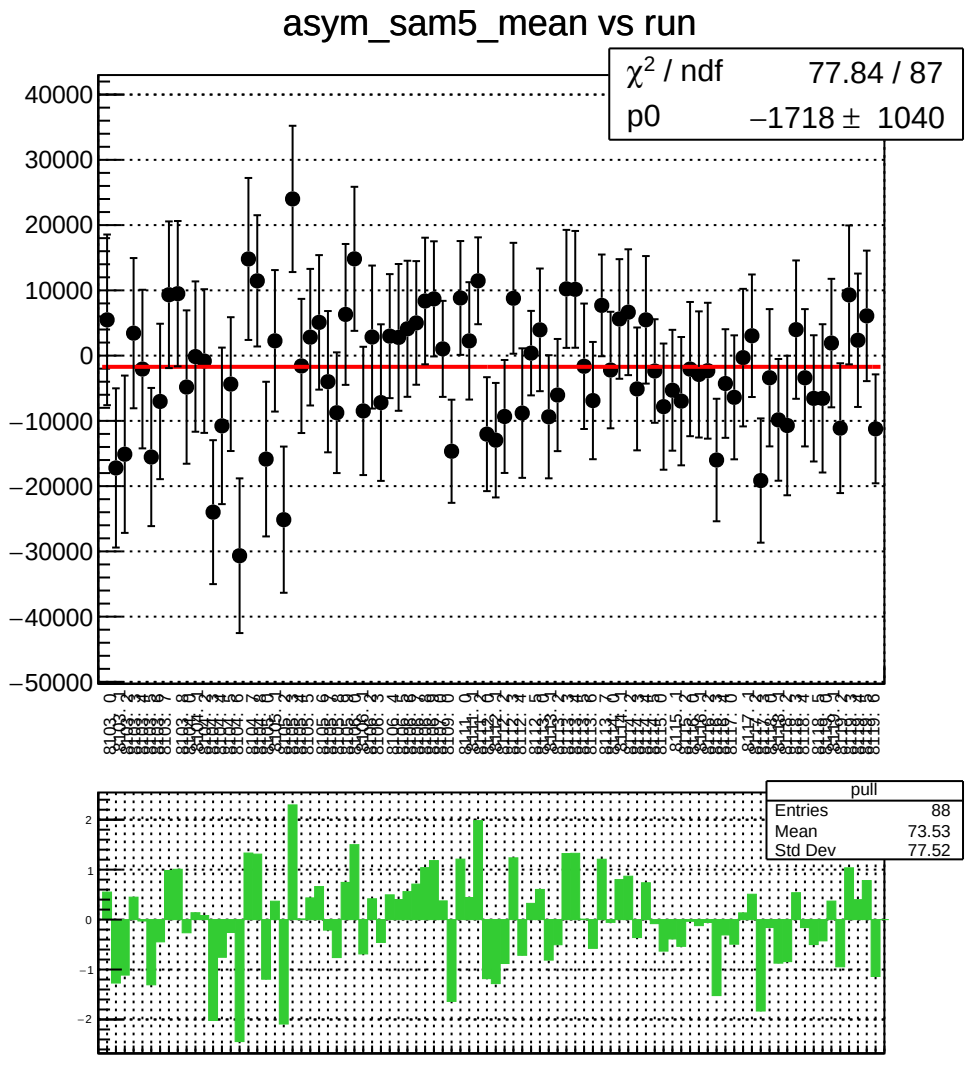

dit_asym_sam5_mean vs run
χ² / ndf 111 / 87
p0 170.3 ± 157.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −1427
Std Dev 1476
3
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.002157
Std Dev 1.123
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

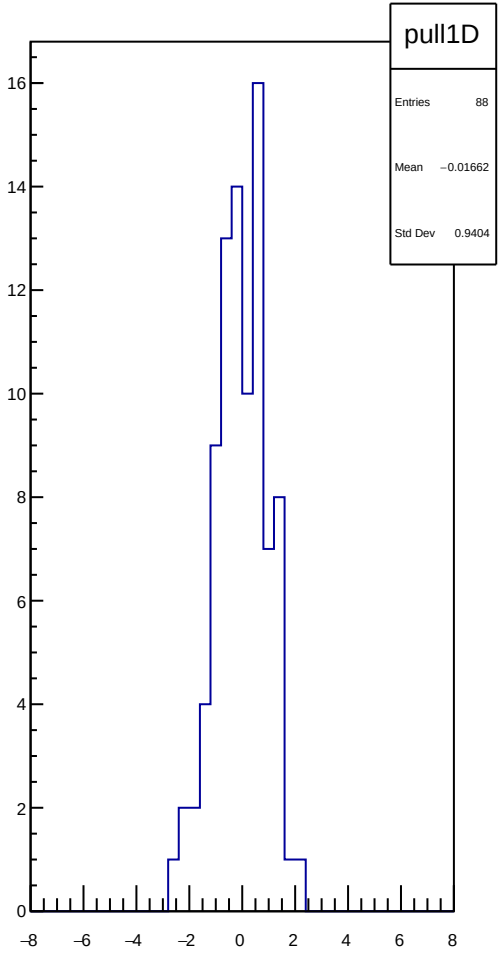

dit_asym_sam5_rms vs run
χ² / ndf 2223 / 87
p0 145 ± 0.1115
180
170
160
150
140

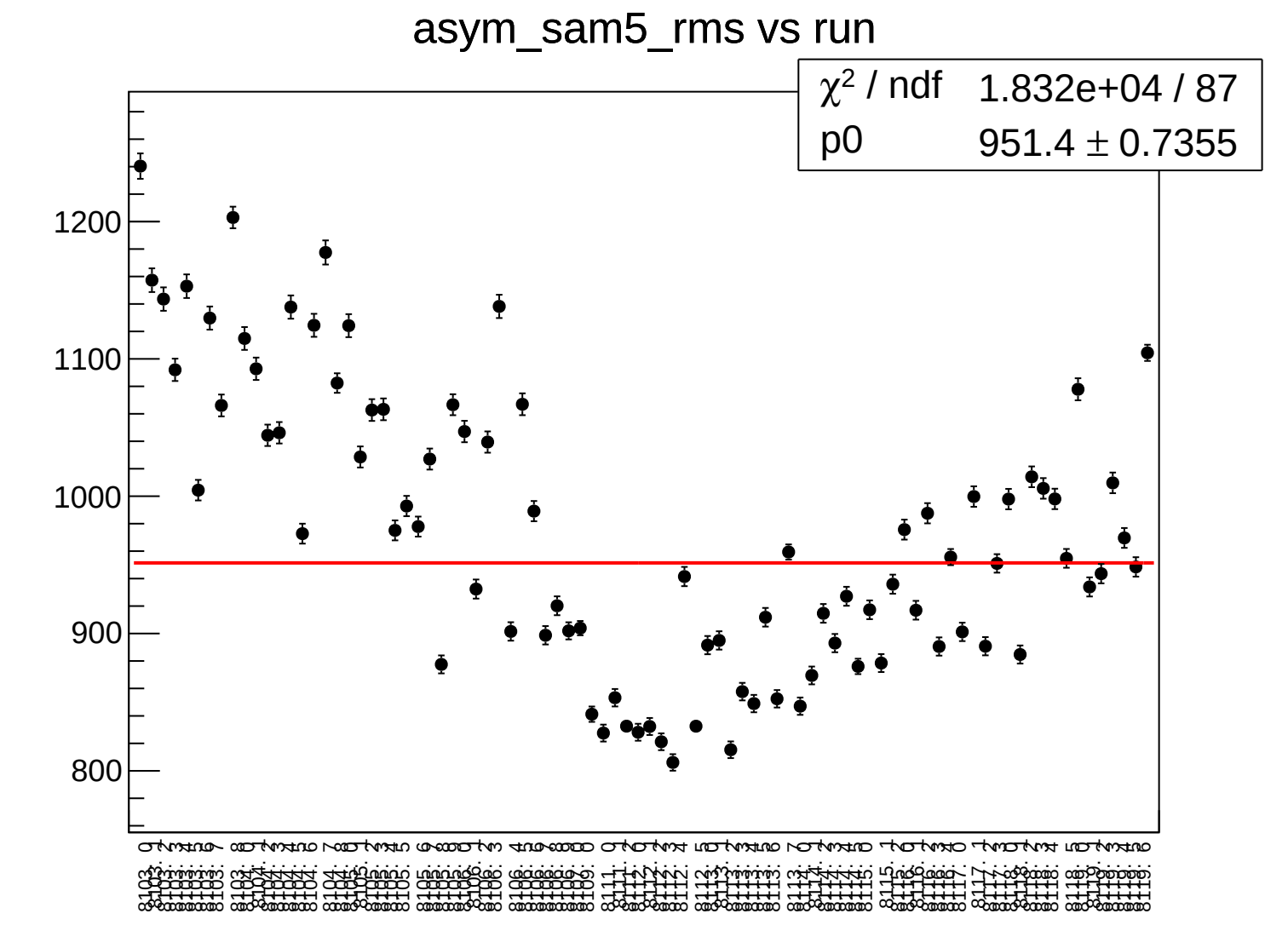

asym_sam5_correction_mean vs run
χ² / ndf 81.69 / 87
p0 1859 ± 1053
pull
Entries 88
Mean 49.19
Std Dev 77.14

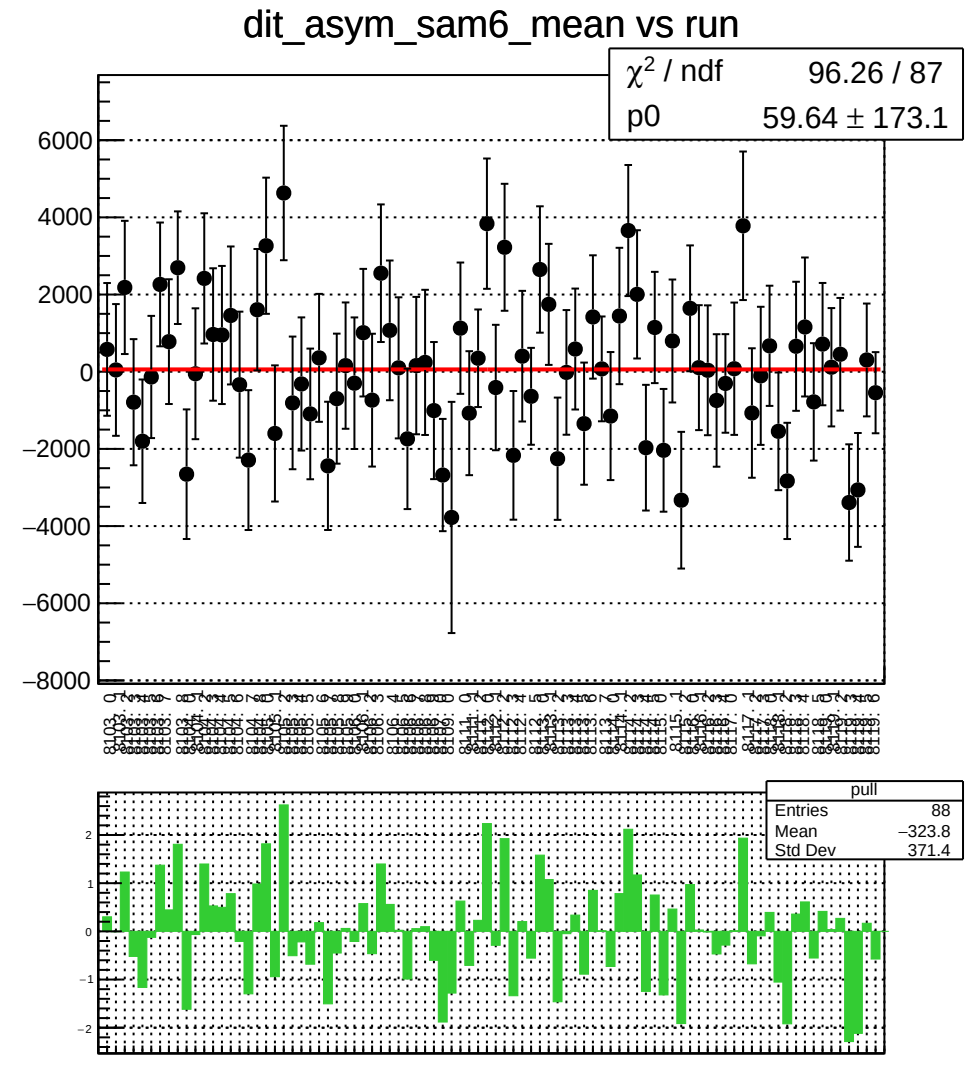

pull1D
Entries 88
Mean 0.01839
Std Dev 0.9633

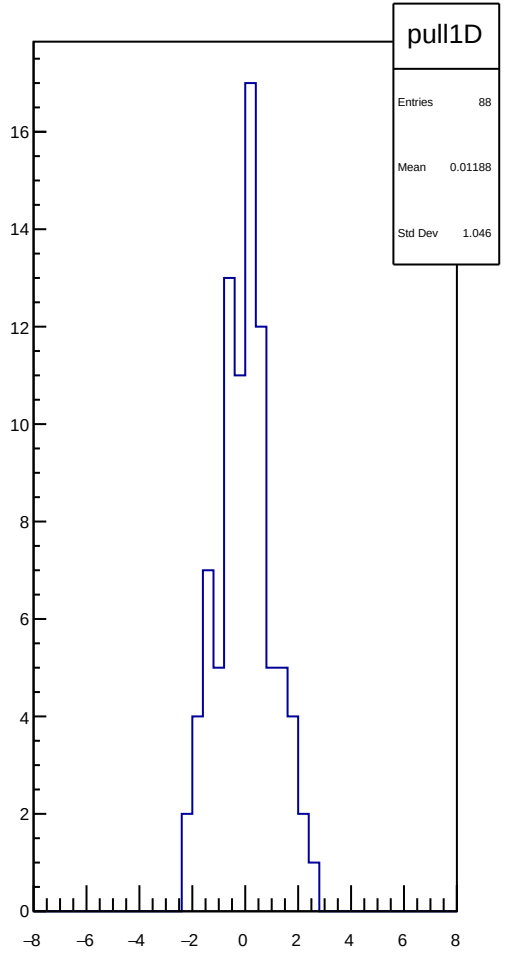

asym_sam5_correction_rms vs run
χ² / ndf 1.77e+04 / 87
p0 963.1 ± 0.7444
1300
1200
1100
1000
900
800

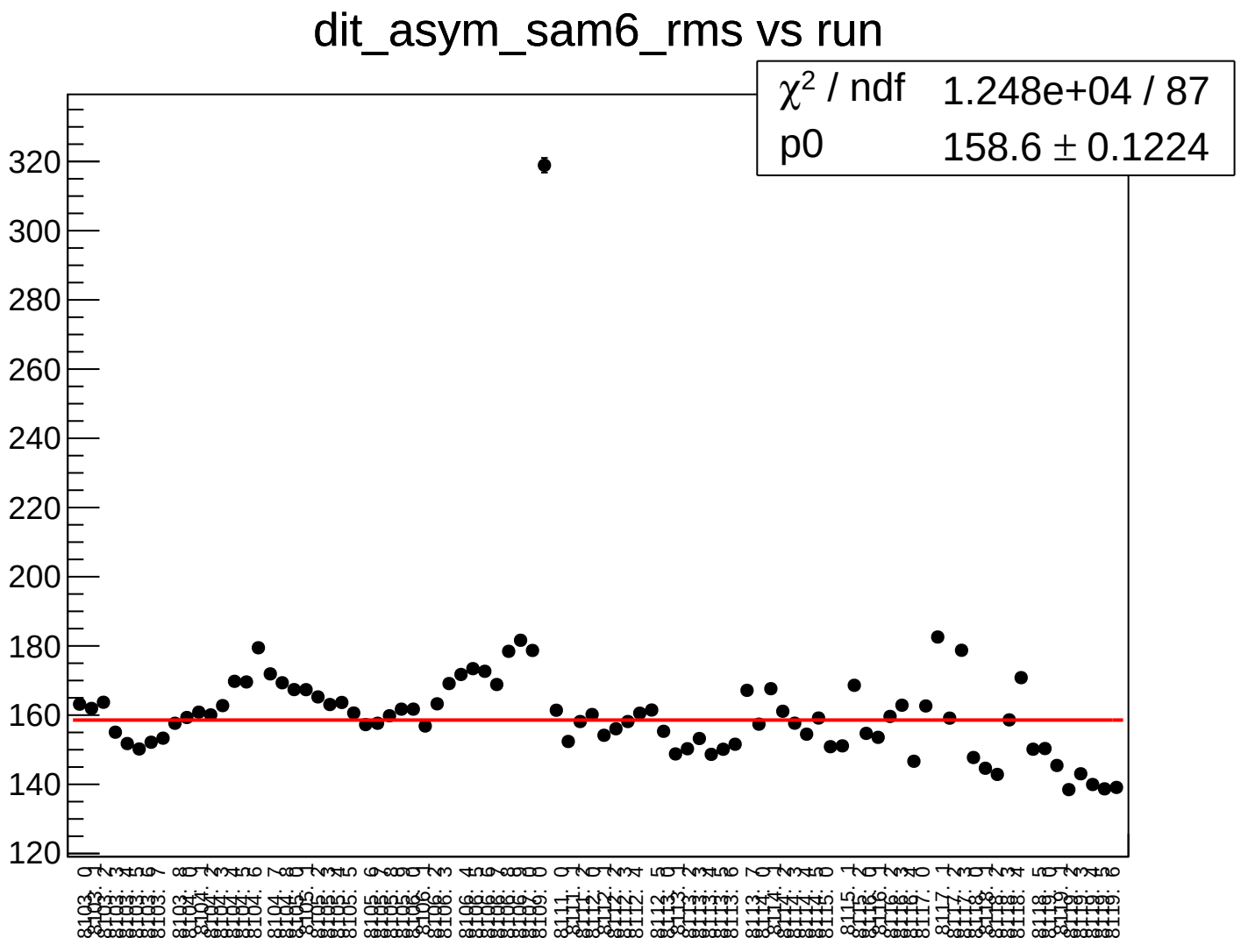

asym_sam5_mean vs run
χ² / ndf 77.84 / 87
p0 −1718 ± 1040
pull
Entries 88
Mean 73.53
Std Dev 77.52

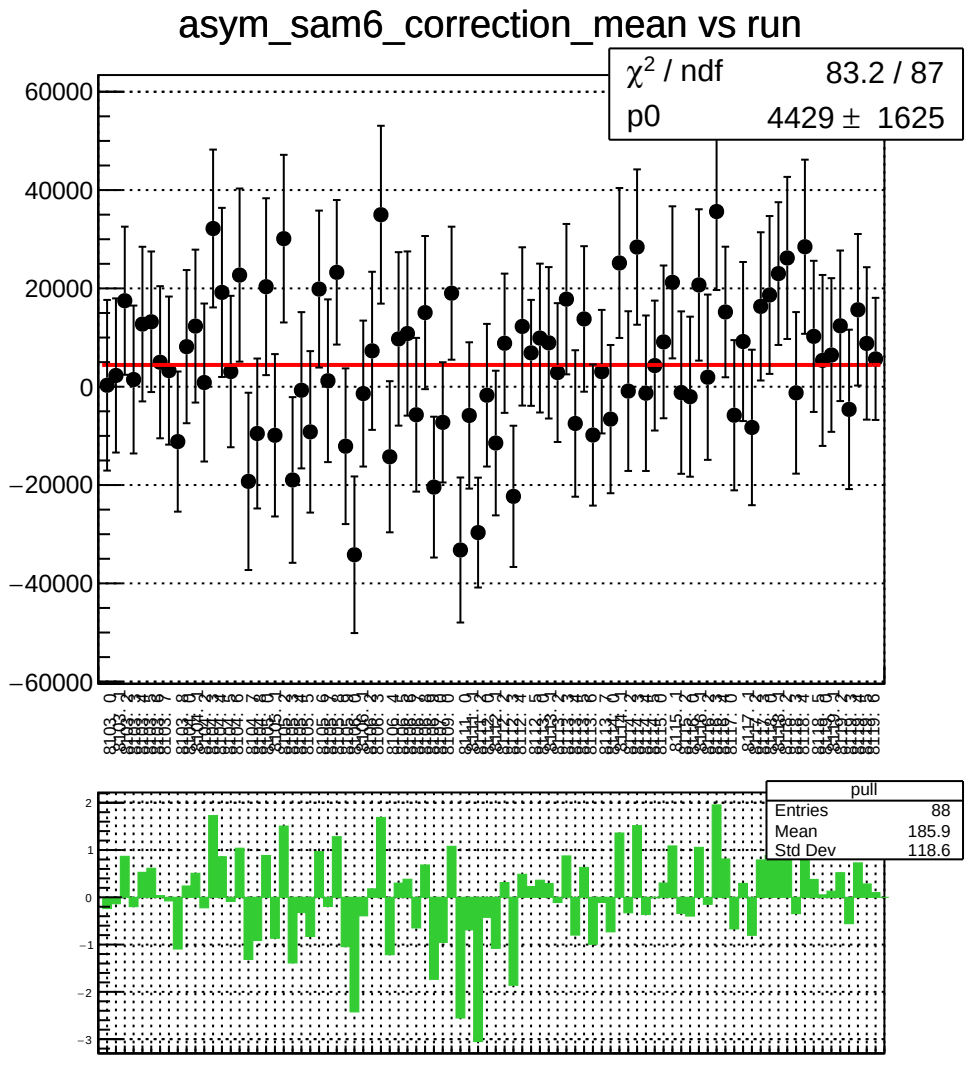

pull1D
Entries 88
Mean −0.01662
Std Dev 0.9404

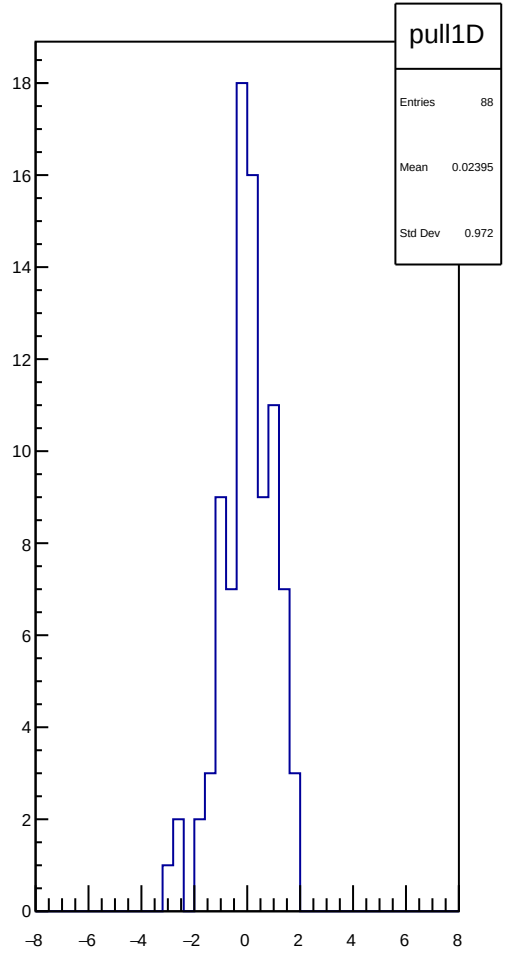

asym_sam5_rms vs run
χ² / ndf 1.832e+04 / 87
p0 951.4 ± 0.7355
1200
1100
1000
900
800

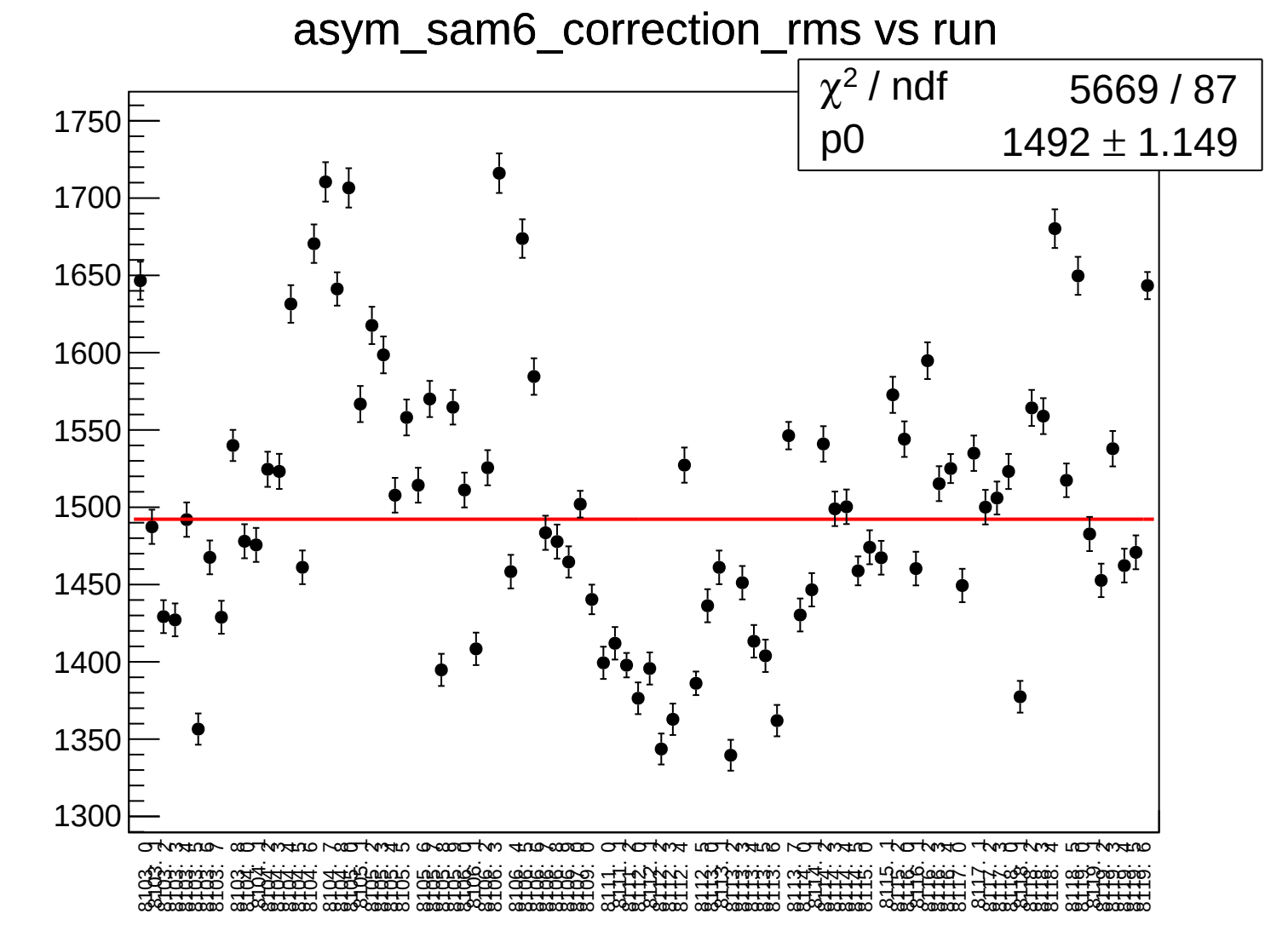

dit_asym_sam6_mean vs run
χ² / ndf 96.26 / 87
p0 59.64 ± 173.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 88
Mean −323.8
Std Dev 371.4
2
1
0
−1
−2

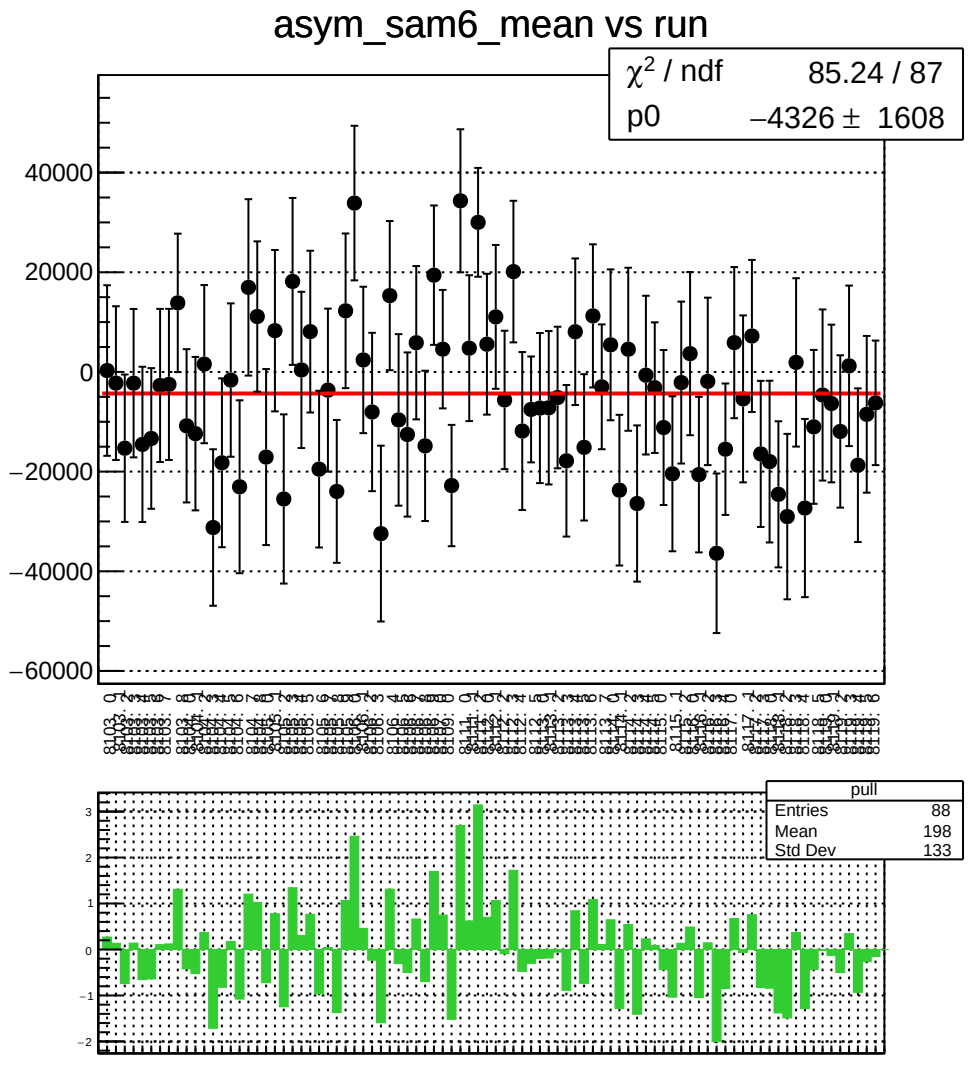

pull1D
Entries 88
Mean 0.01188
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

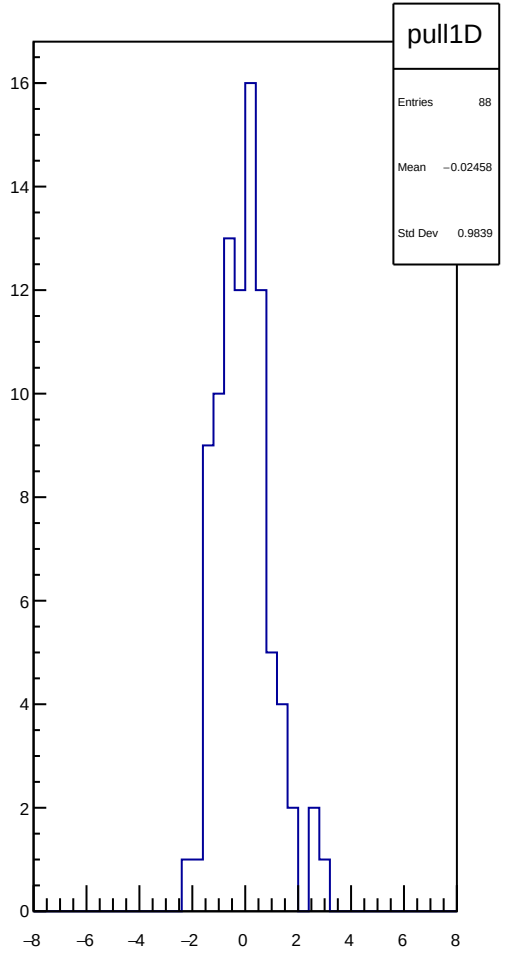

dit_asym_sam6_rms vs run
χ² / ndf 1.248e+04 / 87
p0 158.6 ± 0.1224
320
300
280
260
240
220
200
180
160
140
120

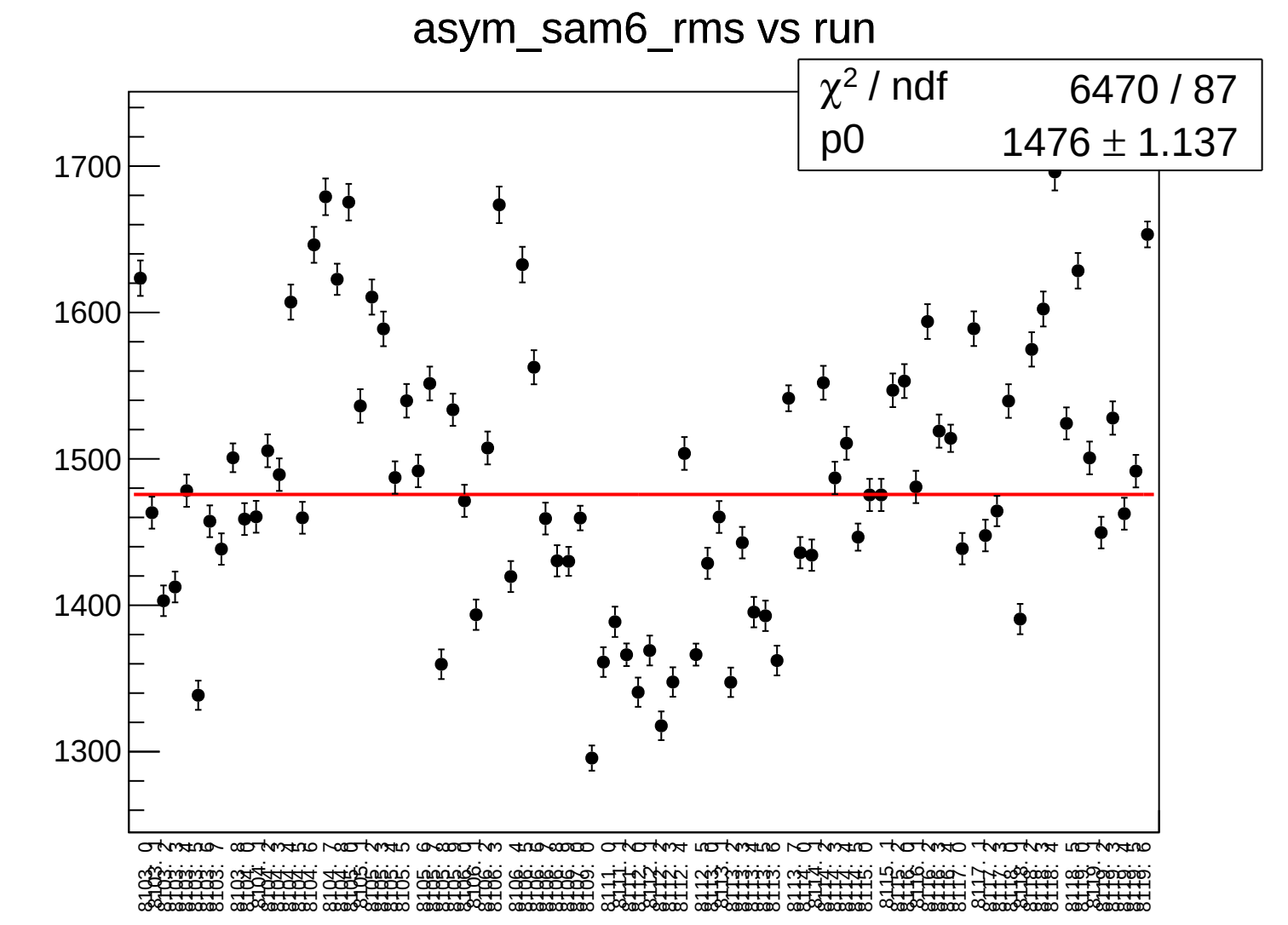

asym_sam6_correction_mean vs run
χ² / ndf 83.2 / 87
p0 4429 ± 1625
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 185.9
Std Dev 118.6
2
1
0
−1
−2
−3

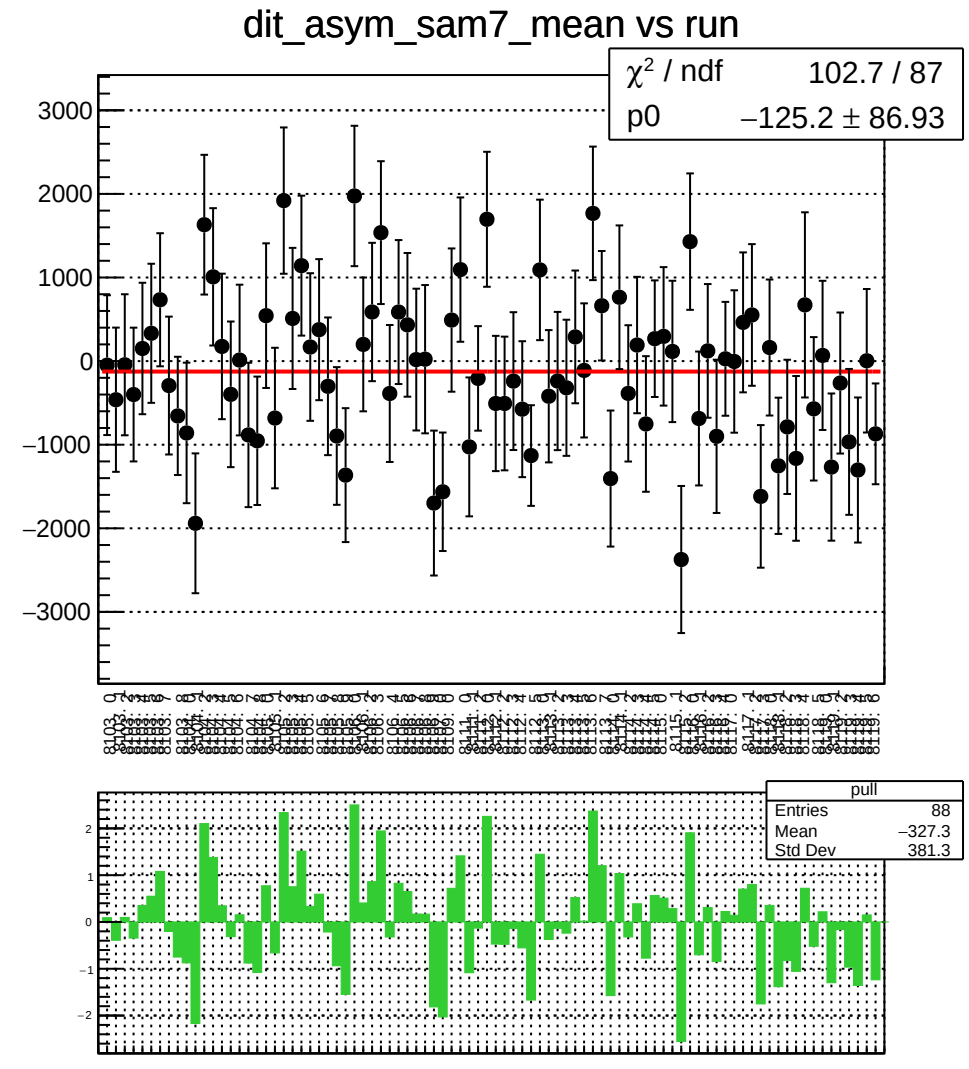

pull1D
Entries 88
Mean 0.02395
Std Dev 0.972
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

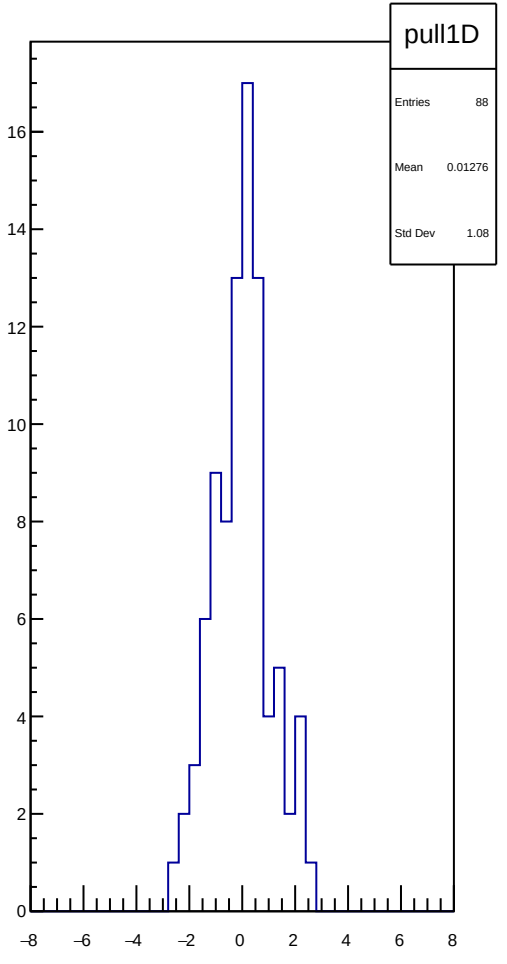

asym_sam6_correction_rms vs run
χ² / ndf 5669 / 87
p0 1492 ± 1.149
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300

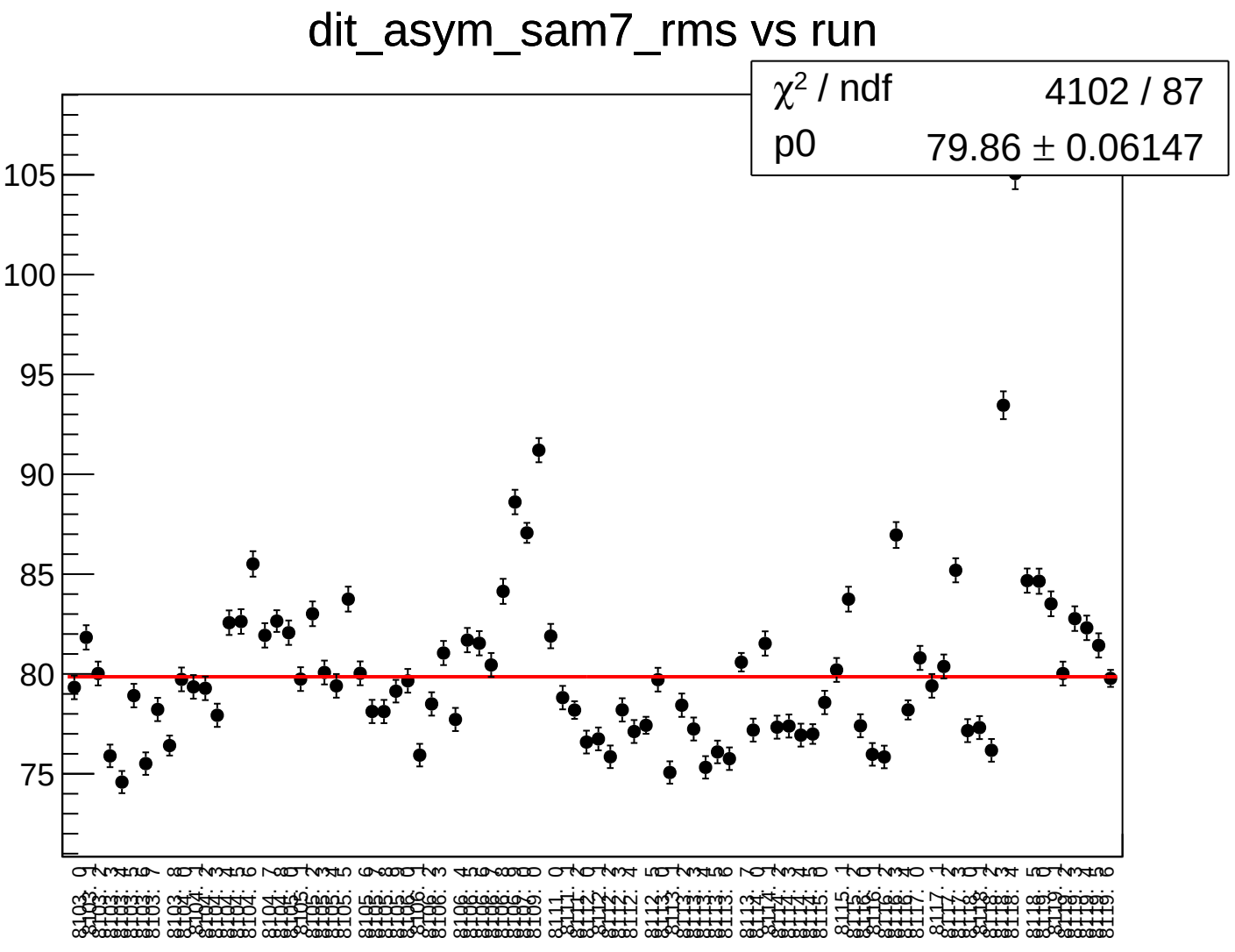

asym_sam6_mean vs run
χ² / ndf 85.24 / 87
p0 −4326 ± 1608
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 198
Std Dev 133
3
2
1
0
−1
−2

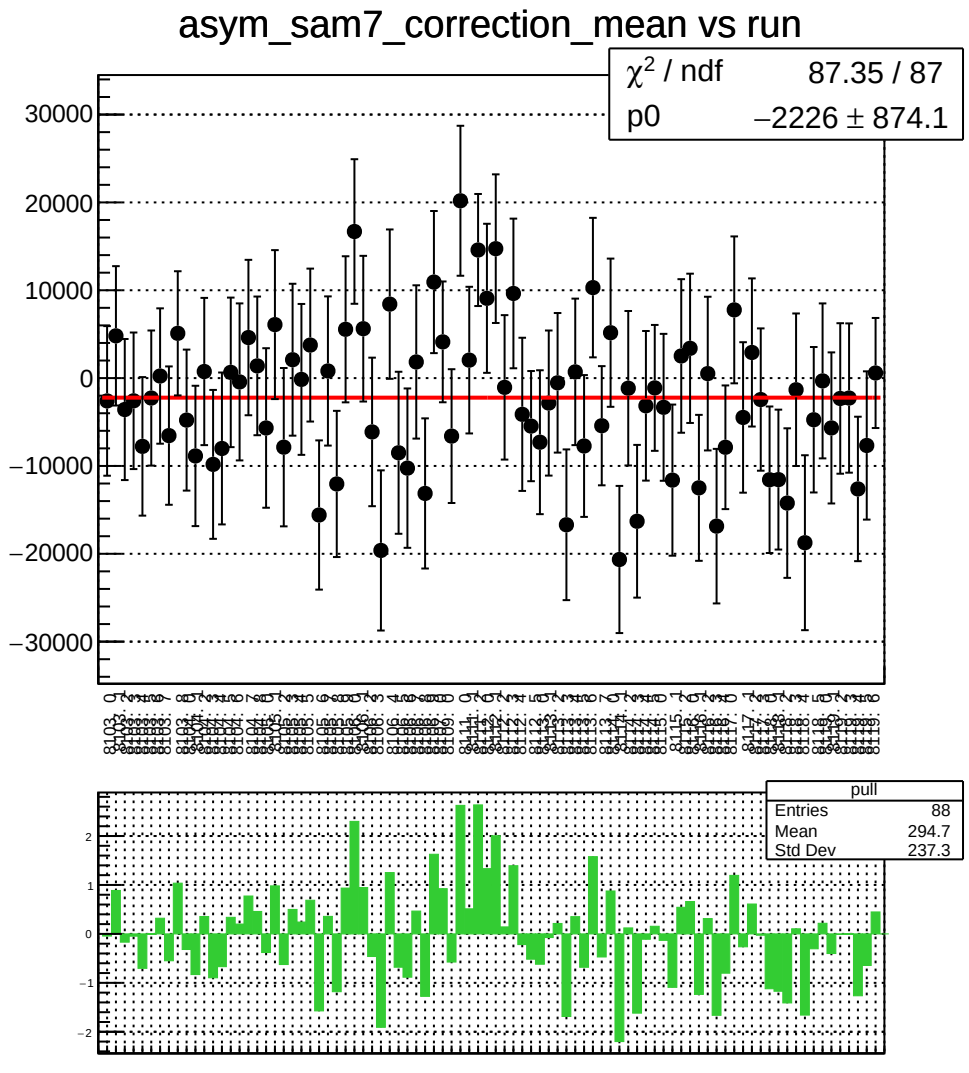

pull1D
Entries 88
Mean −0.02458
Std Dev 0.9839
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

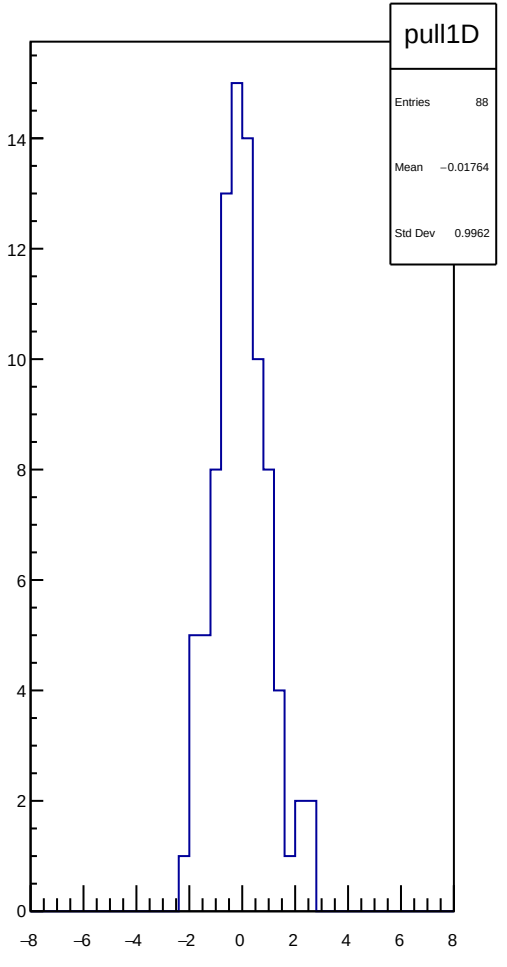

asym_sam6_rms vs run
χ² / ndf 6470 / 87
p0 1476 ± 1.137
1700
1600
1500
1400
1300

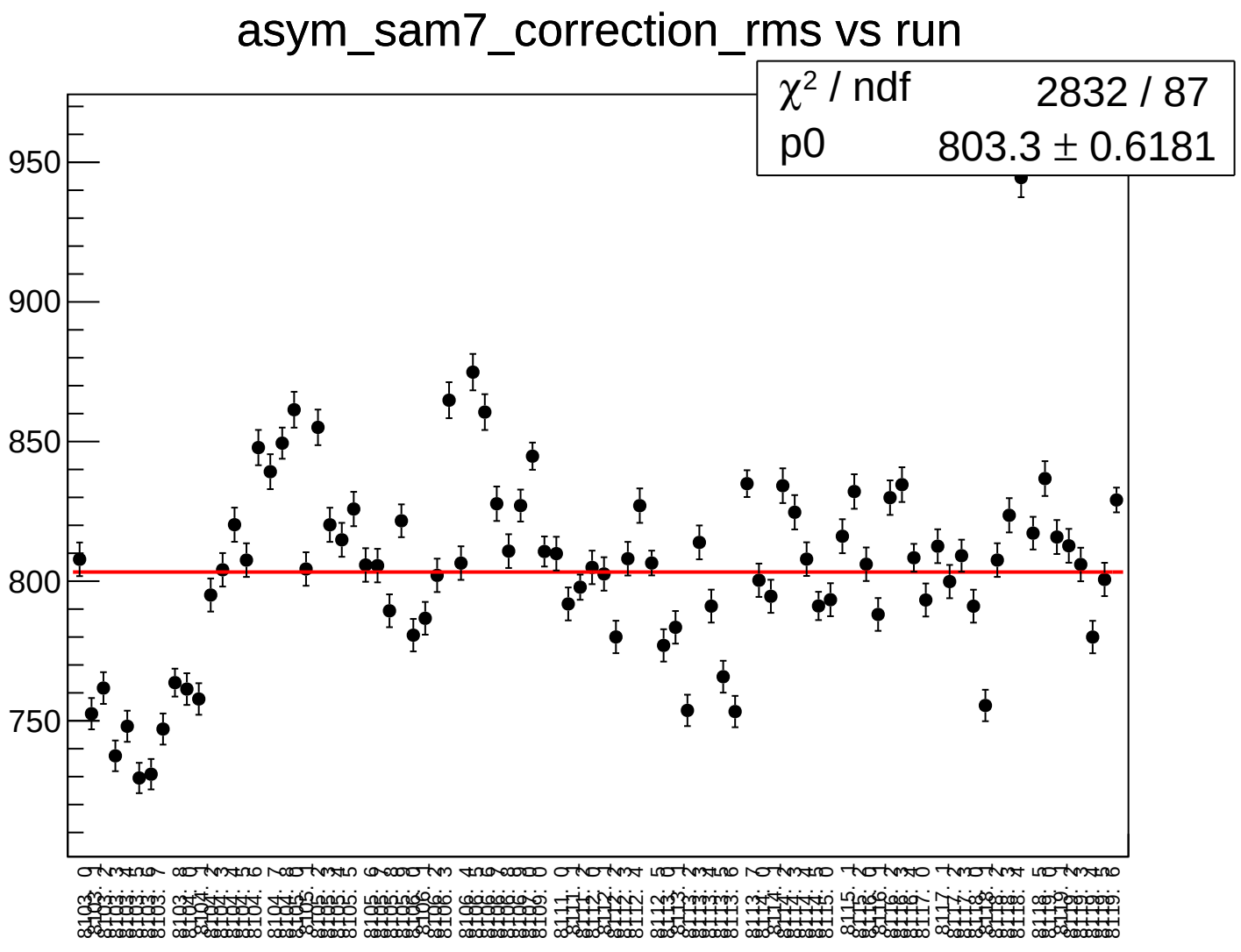

dit_asym_sam7_mean vs run
χ² / ndf 102.7 / 87
p0 −125.2 ± 86.93
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 88
Mean −327.3
Std Dev 381.3
2
1
0
−1
−2

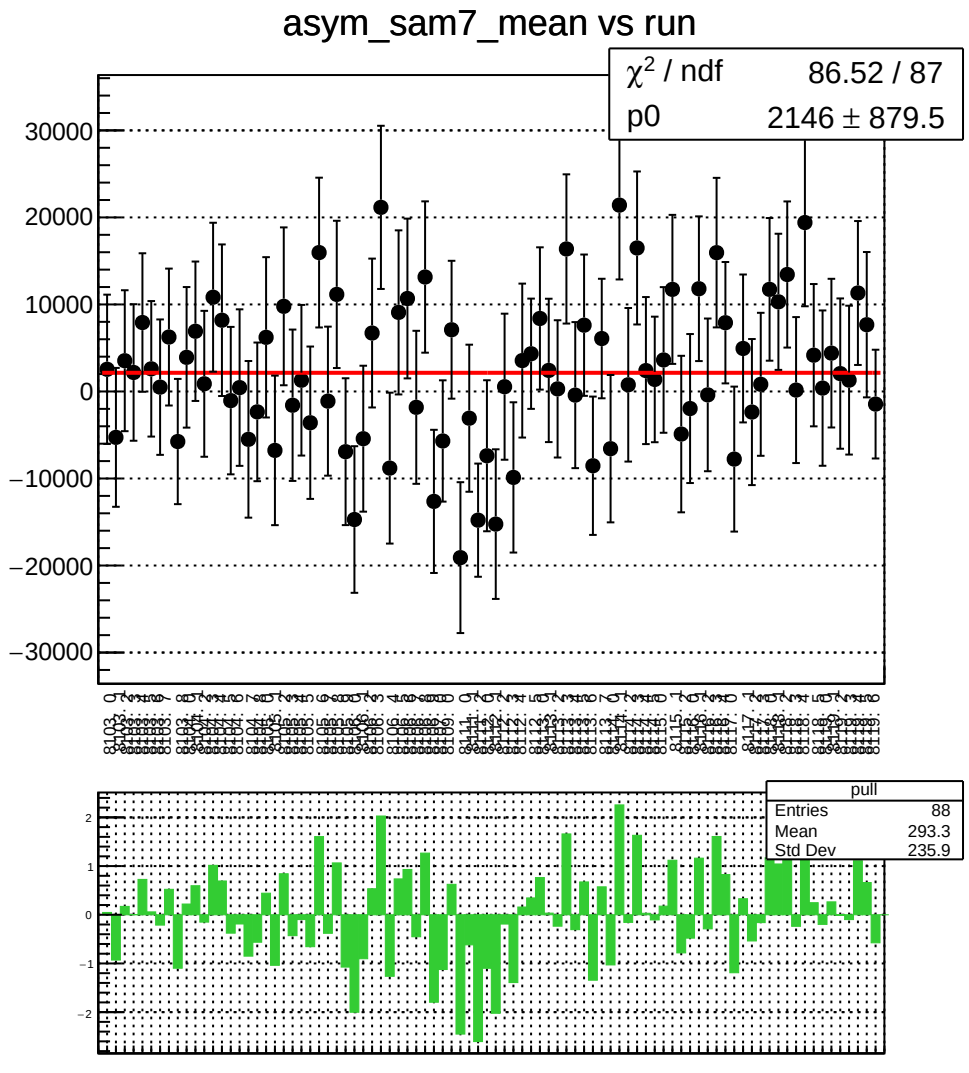

pull1D
Entries 88
Mean 0.01276
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

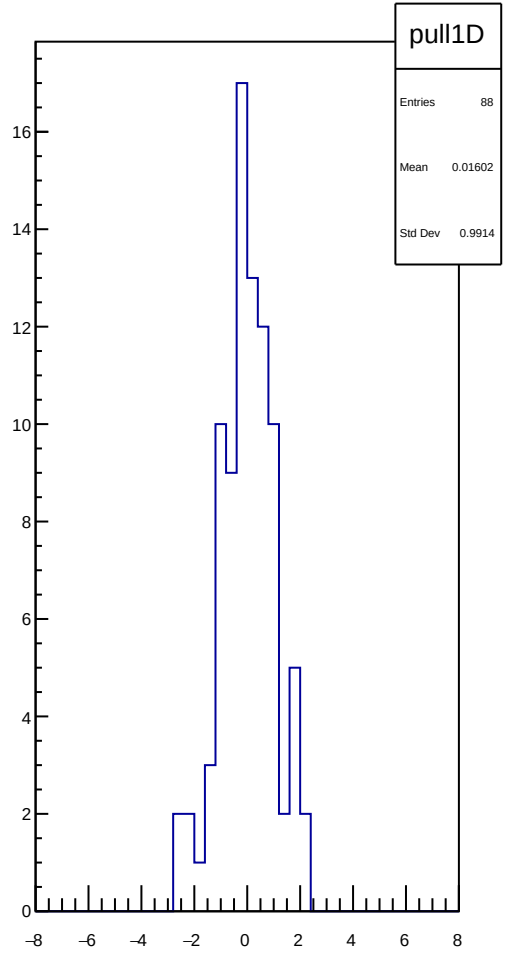

dit_asym_sam7_rms vs run
χ² / ndf 4102 / 87
p0 79.86 ± 0.06147
105
100
95
90
85
80
75

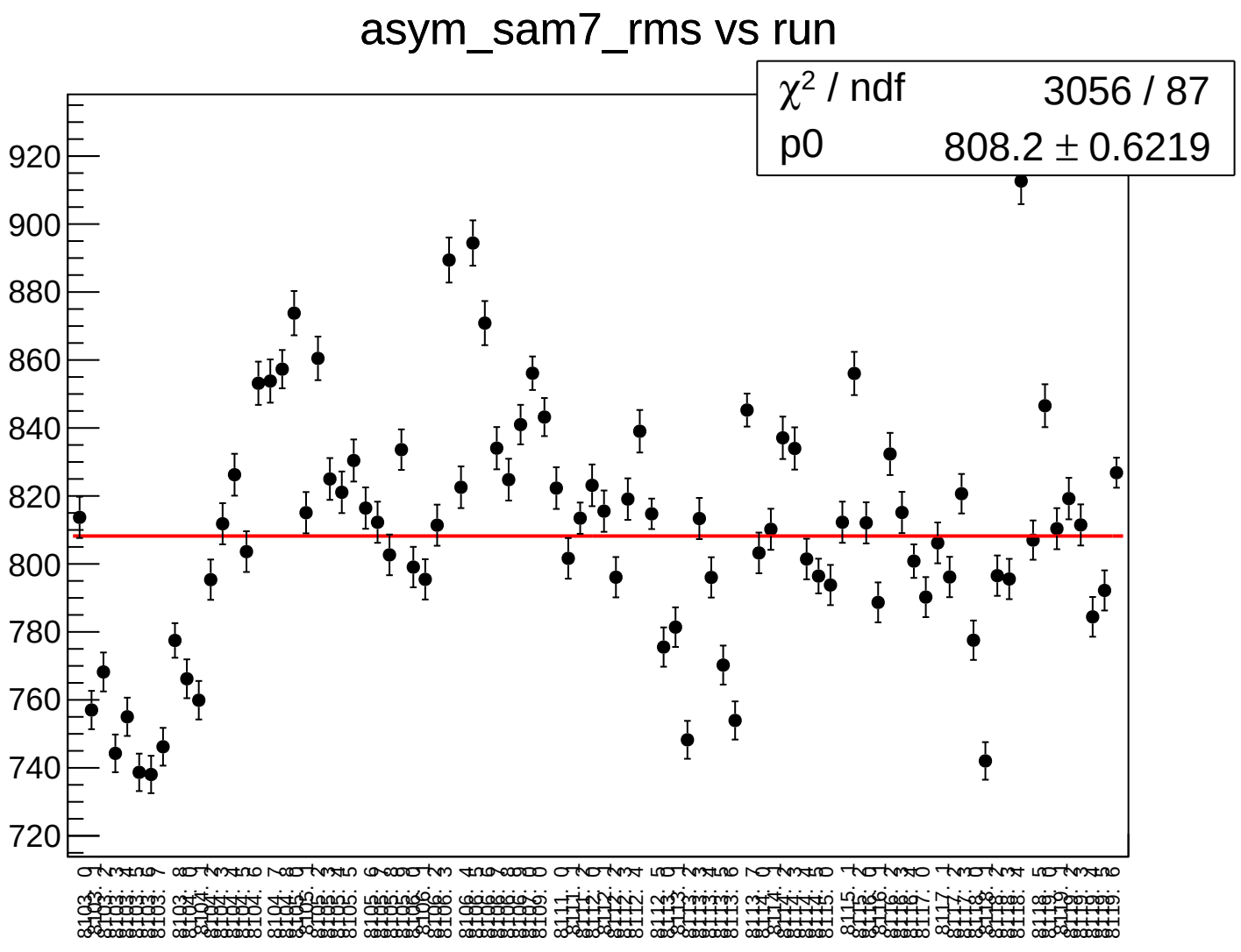

asym_sam7_correction_mean vs run
χ² / ndf 87.35 / 87
p0 −2226 ± 874.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 294.7
Std Dev 237.3
2
1
0
−1
−2

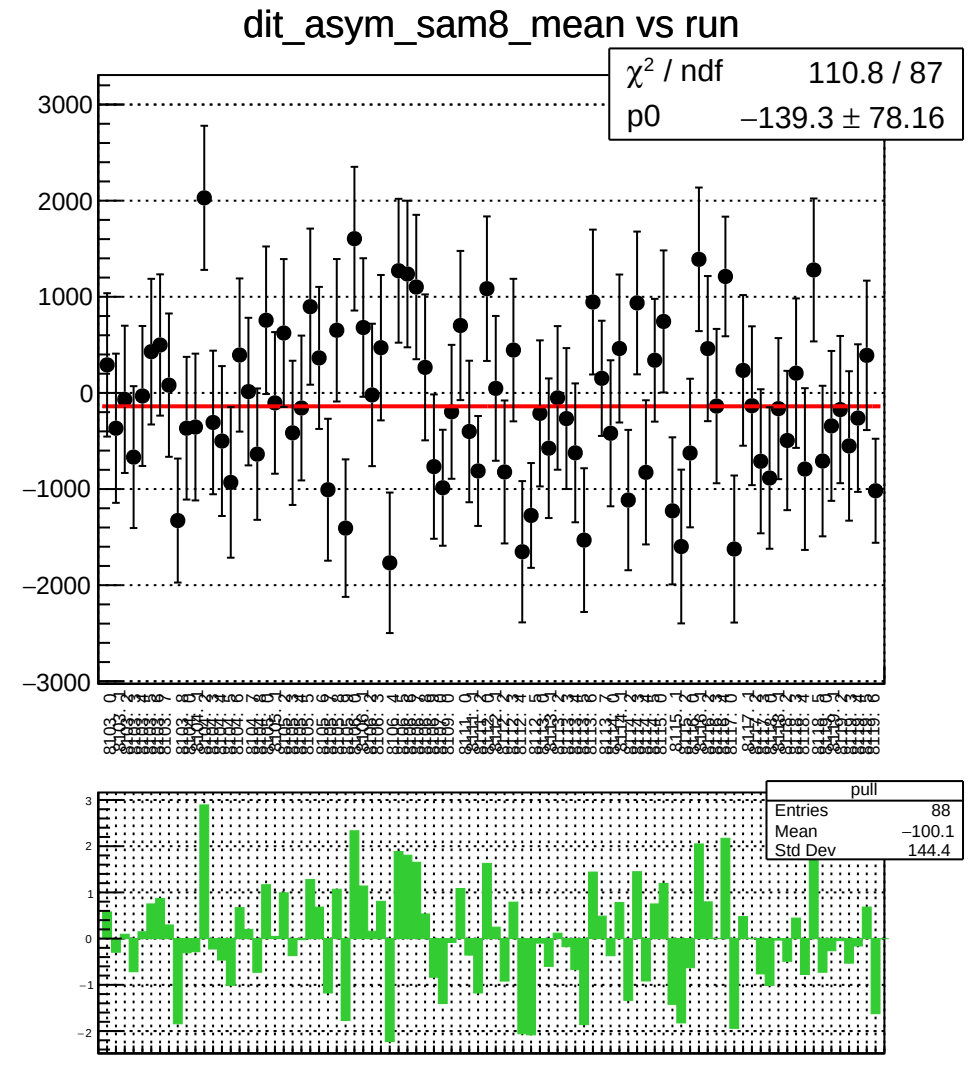

pull1D
Entries 88
Mean −0.01764
Std Dev 0.9962
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

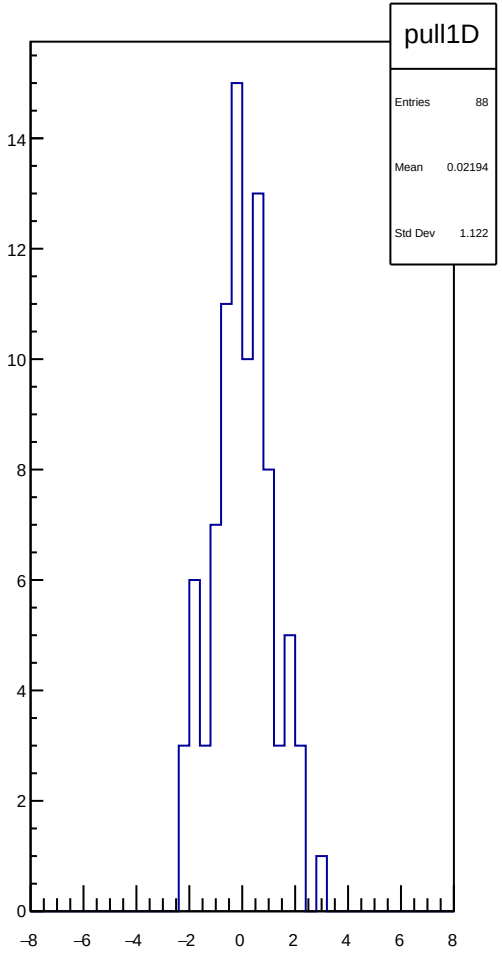

asym_sam7_correction_rms vs run
χ² / ndf 2832 / 87
p0 803.3 ± 0.6181
950
900
850
800
750

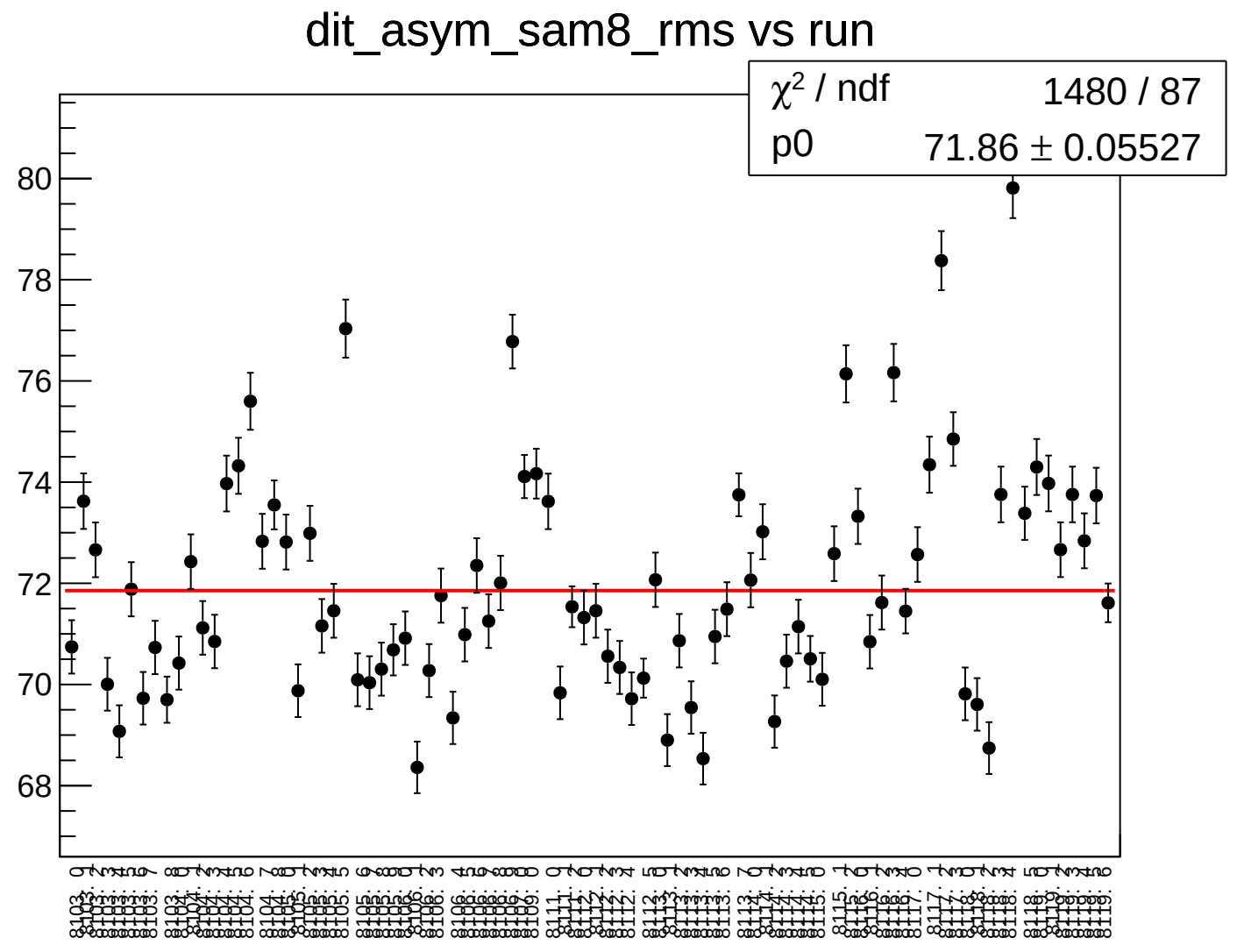

asym_sam7_mean vs run
χ² / ndf 86.52 / 87
p0 2146 ± 879.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 293.3
Std Dev 235.9
2
1
0
−1
−2

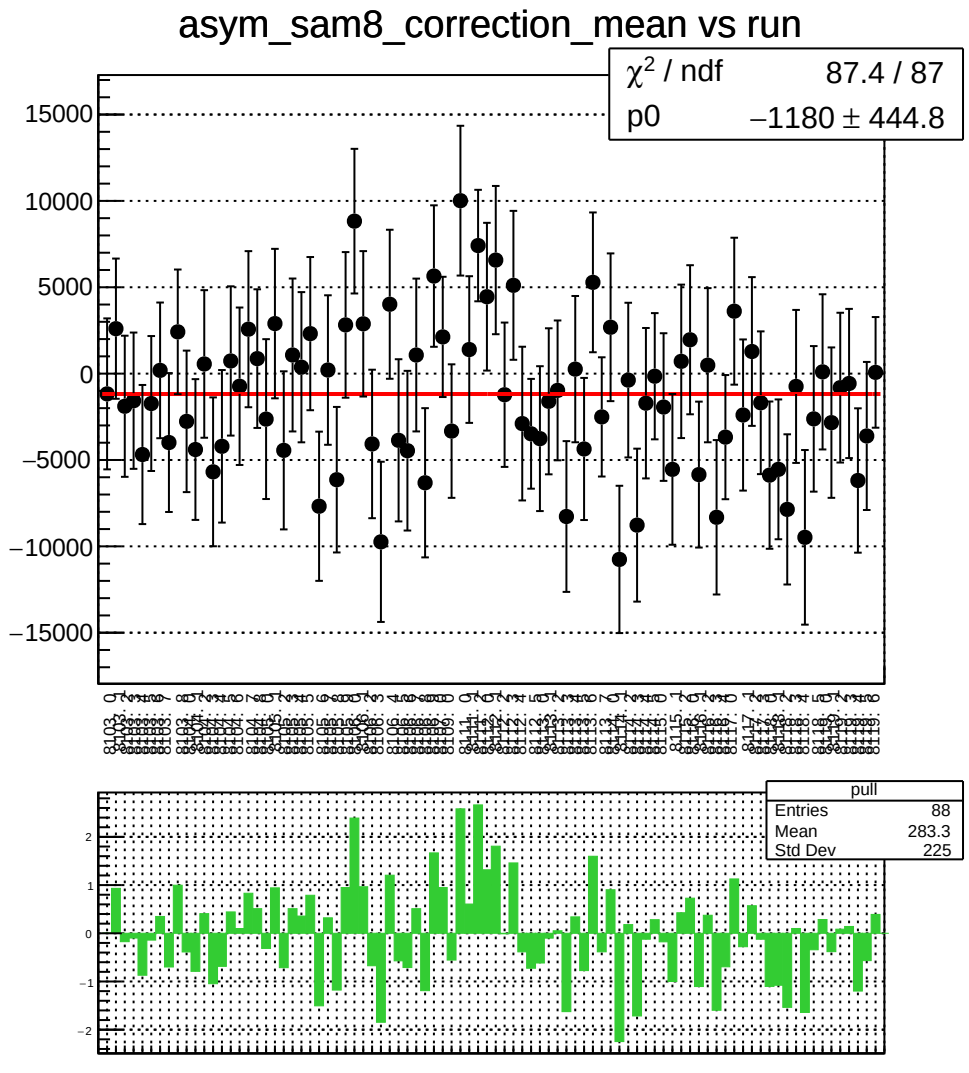

pull1D
Entries 88
Mean 0.01602
Std Dev 0.9914
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

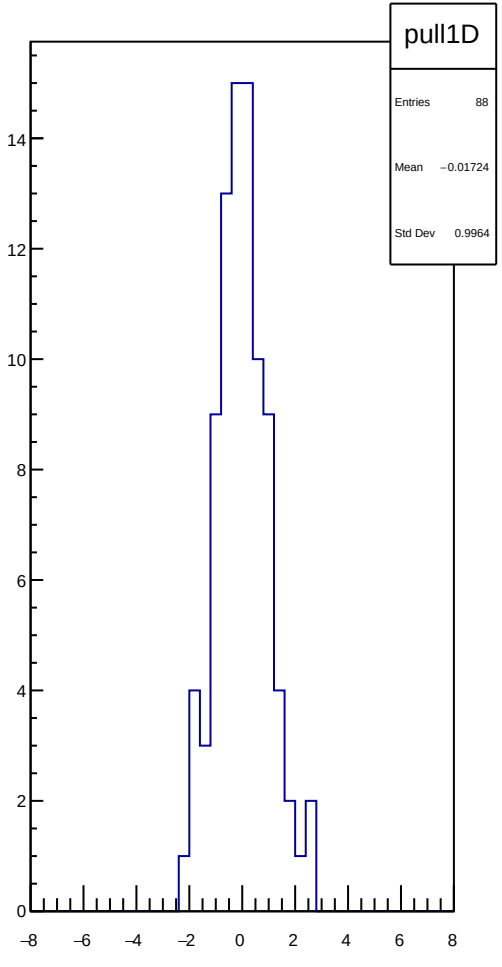

asym_sam7_rms vs run
χ² / ndf 3056 / 87
p0 808.2 ± 0.6219
920
900
880
860
840
820
800
780
760
740
720

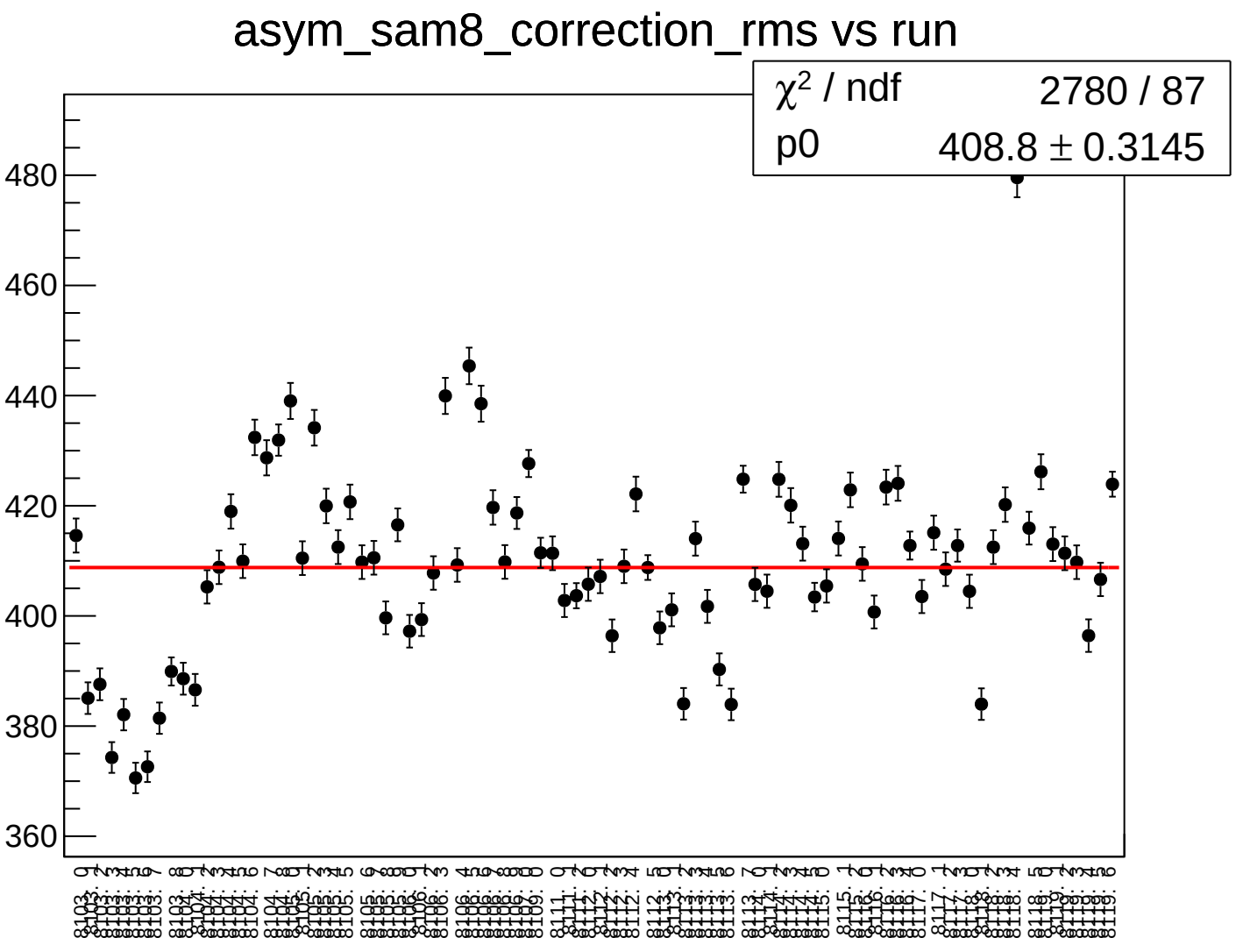

dit_asym_sam8_mean vs run
χ² / ndf 110.8 / 87
p0 −139.3 ± 78.16
pull
Entries 88
Mean −100.1
Std Dev 144.4

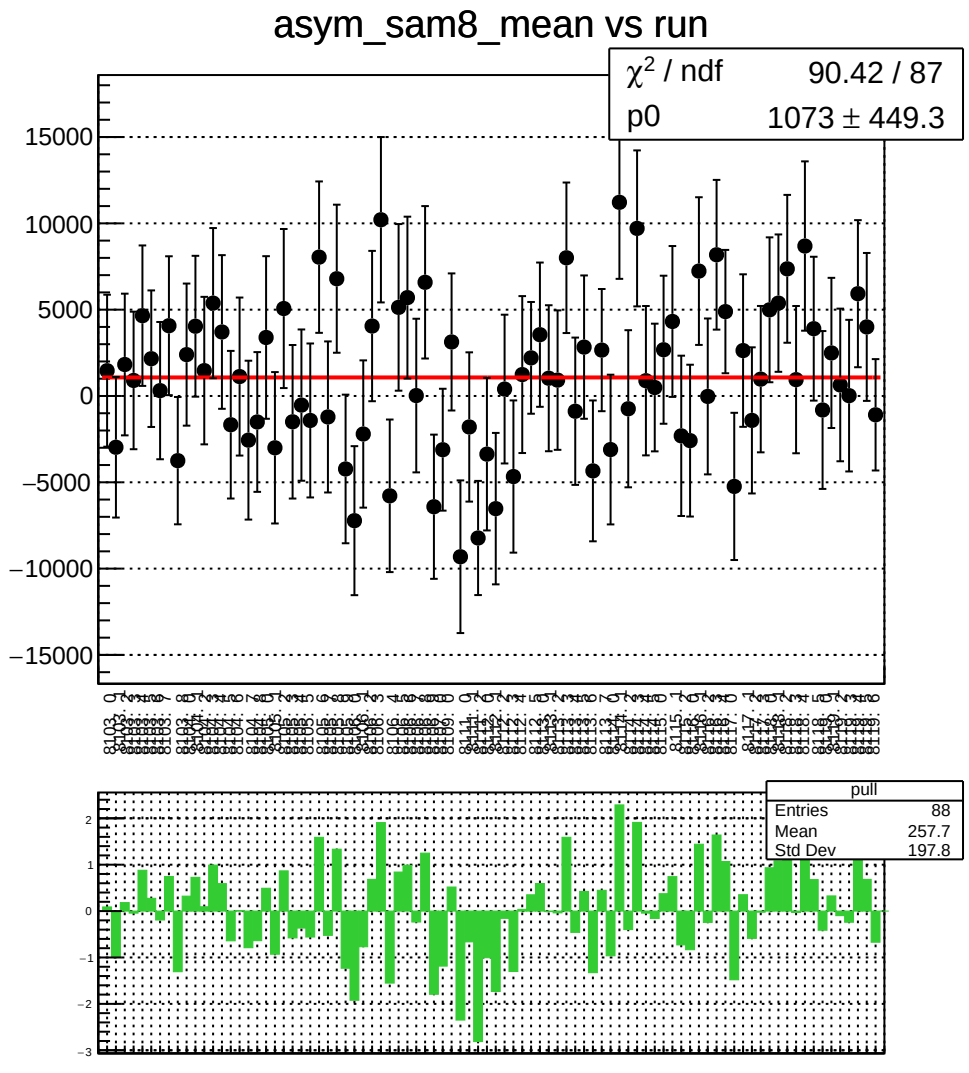

pull1D
Entries 88
Mean 0.02194
Std Dev 1.122

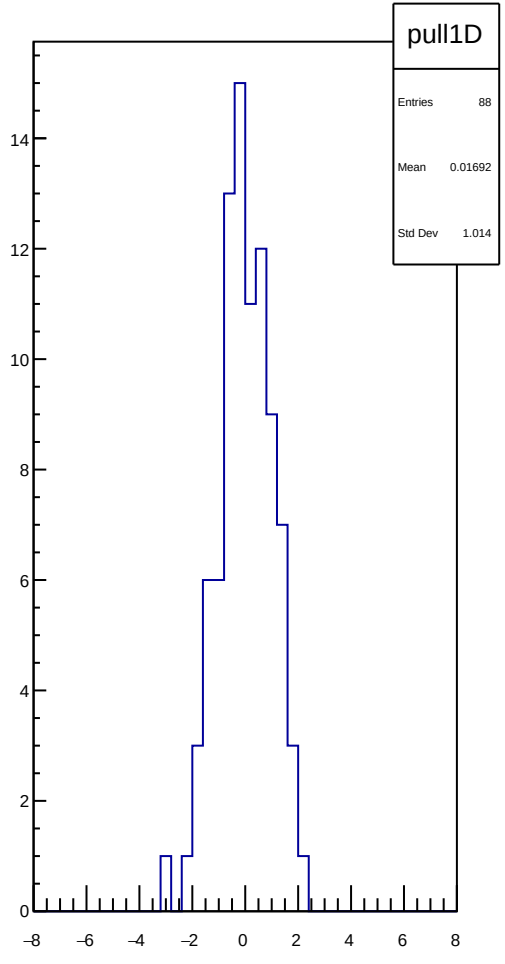

dit_asym_sam8_rms vs run
χ² / ndf 1480 / 87
p0 71.86 ± 0.05527
80
78
76
74
72
70
68

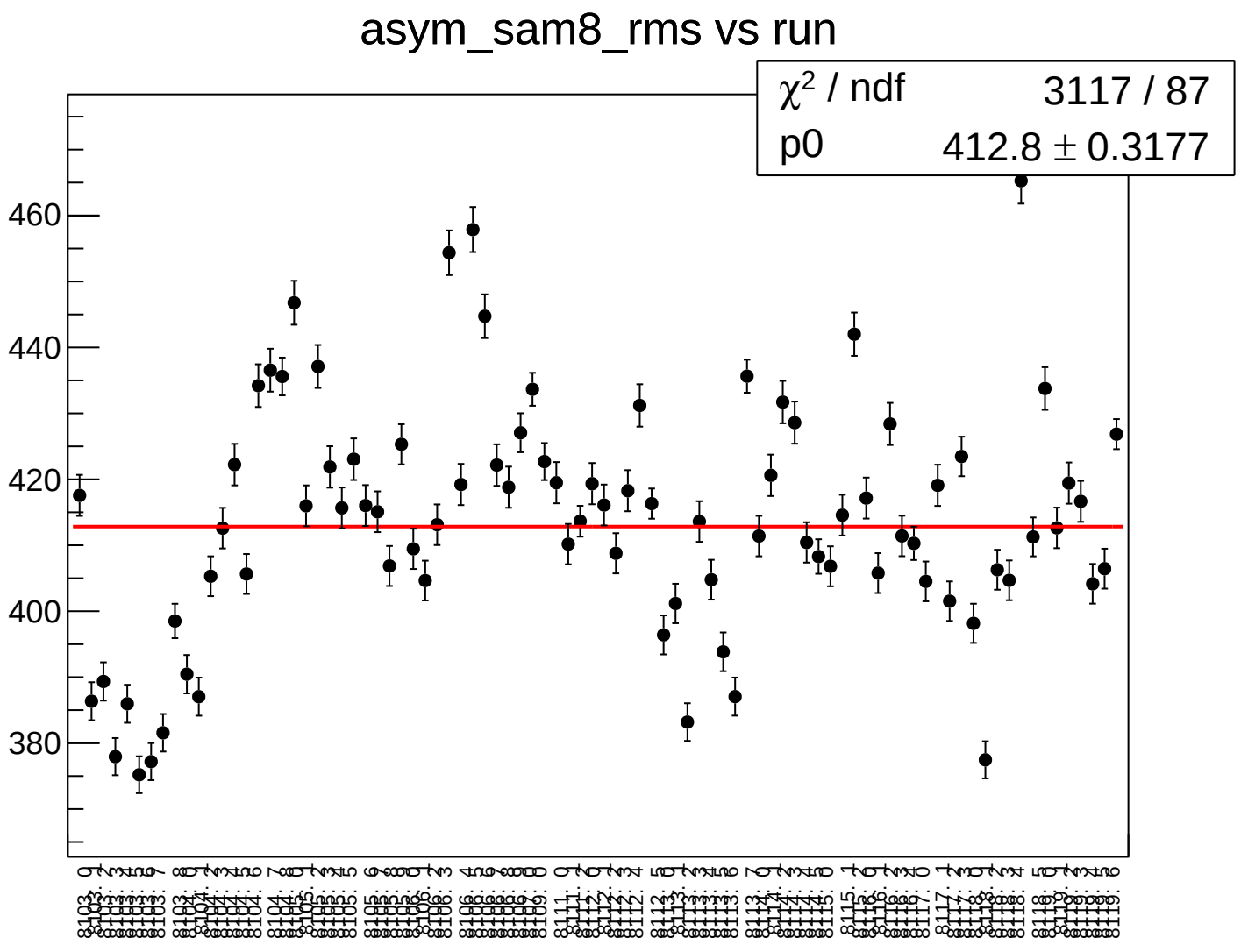

asym_sam8_correction_mean vs run
χ² / ndf 87.4 / 87
p0 −1180 ± 444.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 283.3
Std Dev 225
2
1
0
−1
−2

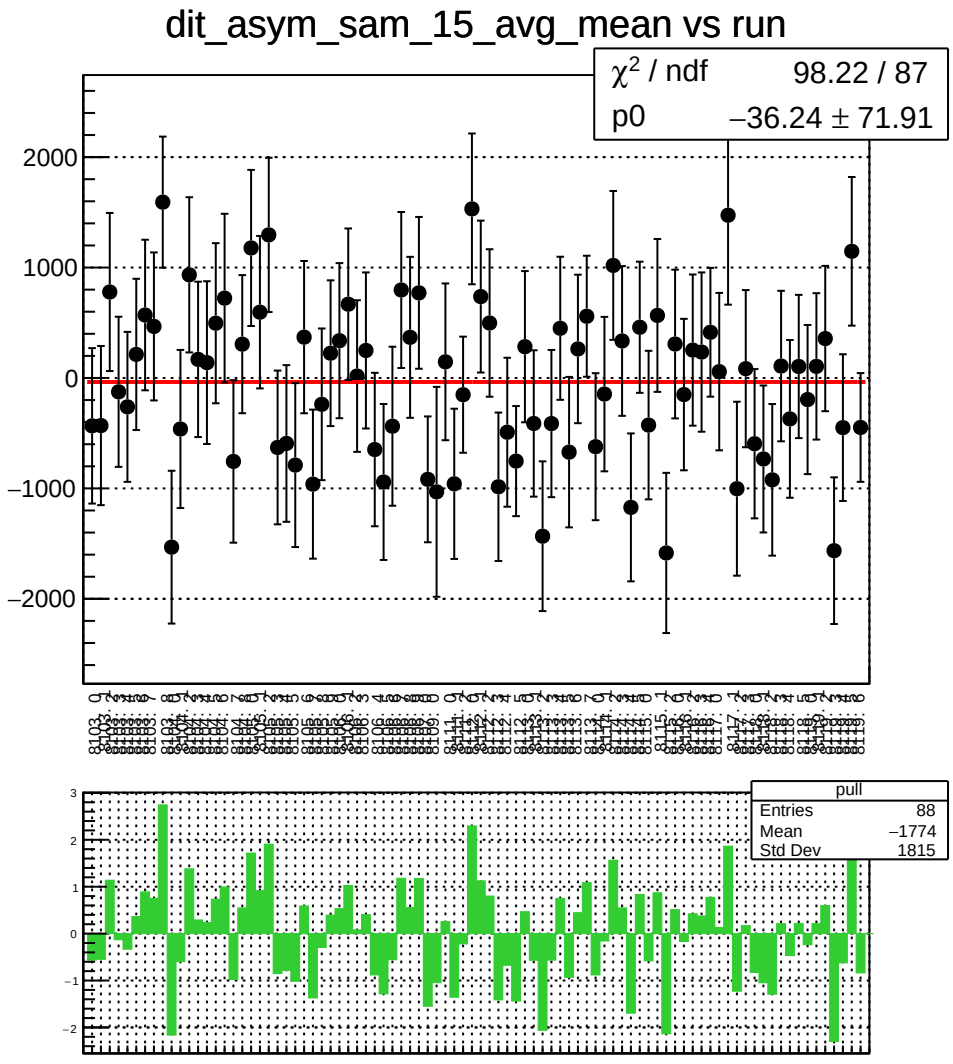

pull1D
Entries 88
Mean −0.01724
Std Dev 0.9964
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

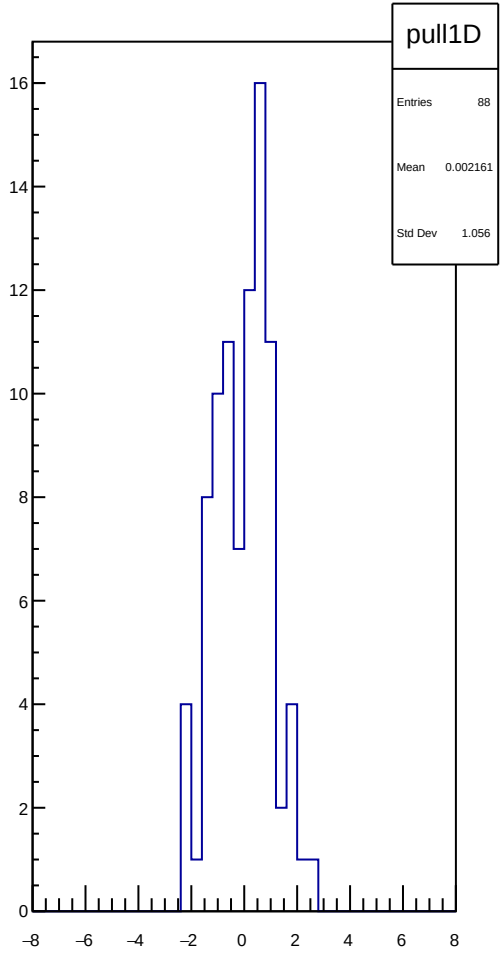

asym_sam8_correction_rms vs run
χ² / ndf 2780 / 87
p0 408.8 ± 0.3145
480
460
440
420
400
380
360

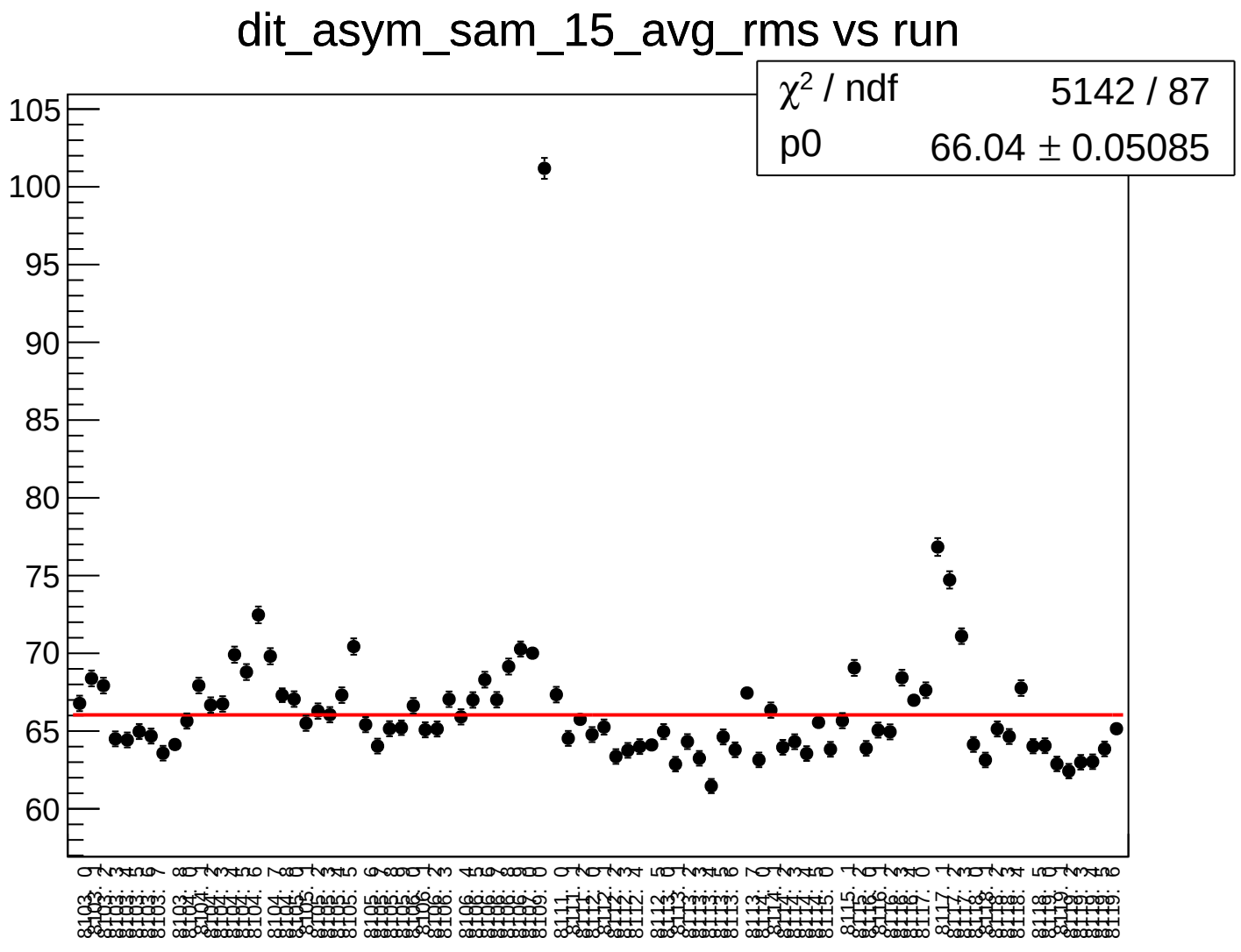

asym_sam8_mean vs run
χ² / ndf 90.42 / 87
p0 1073 ± 449.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 257.7
Std Dev 197.8
2
1
0
−1
−2
−3

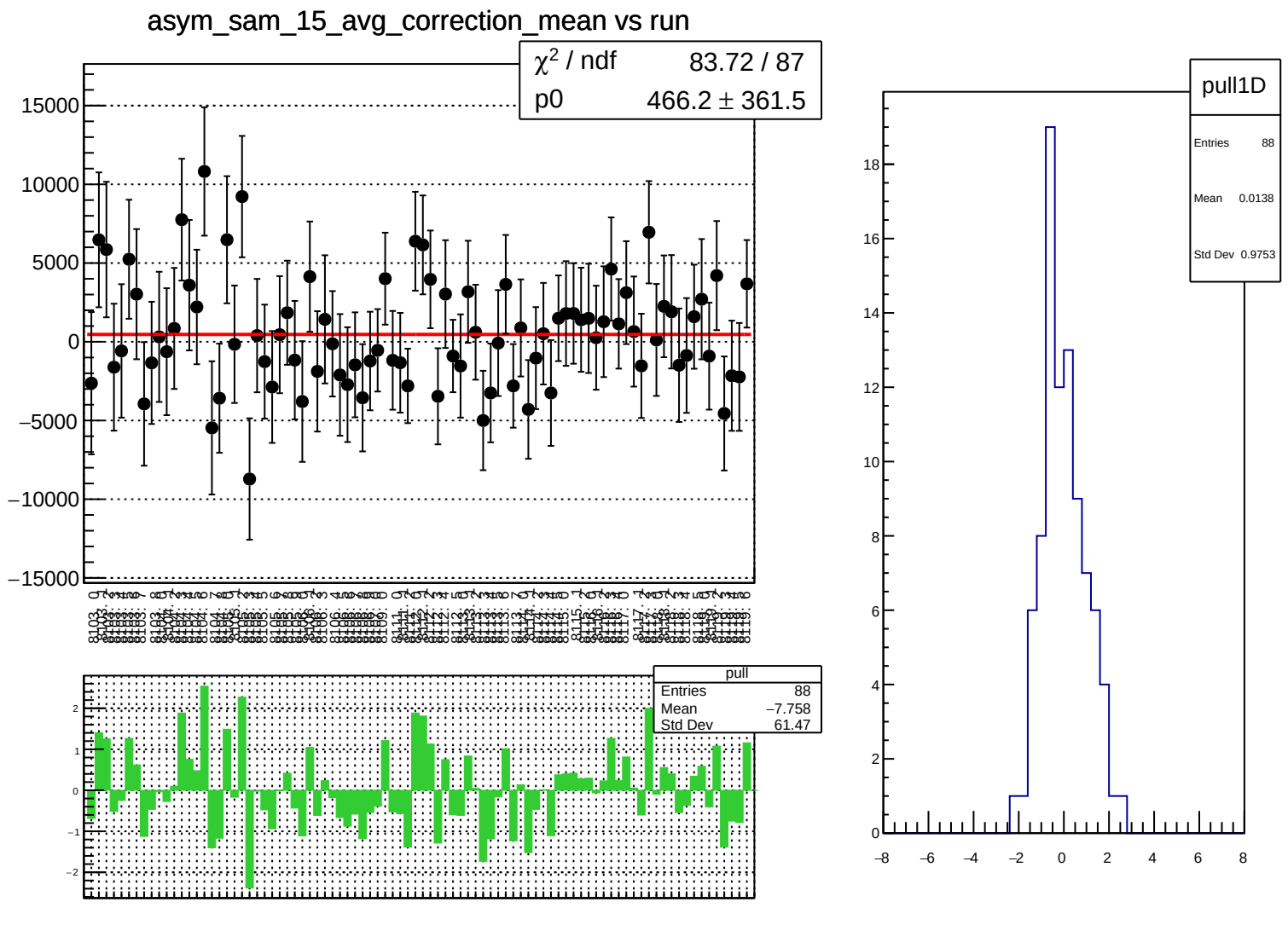

pull1D
Entries 88
Mean 0.01692
Std Dev 1.014
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

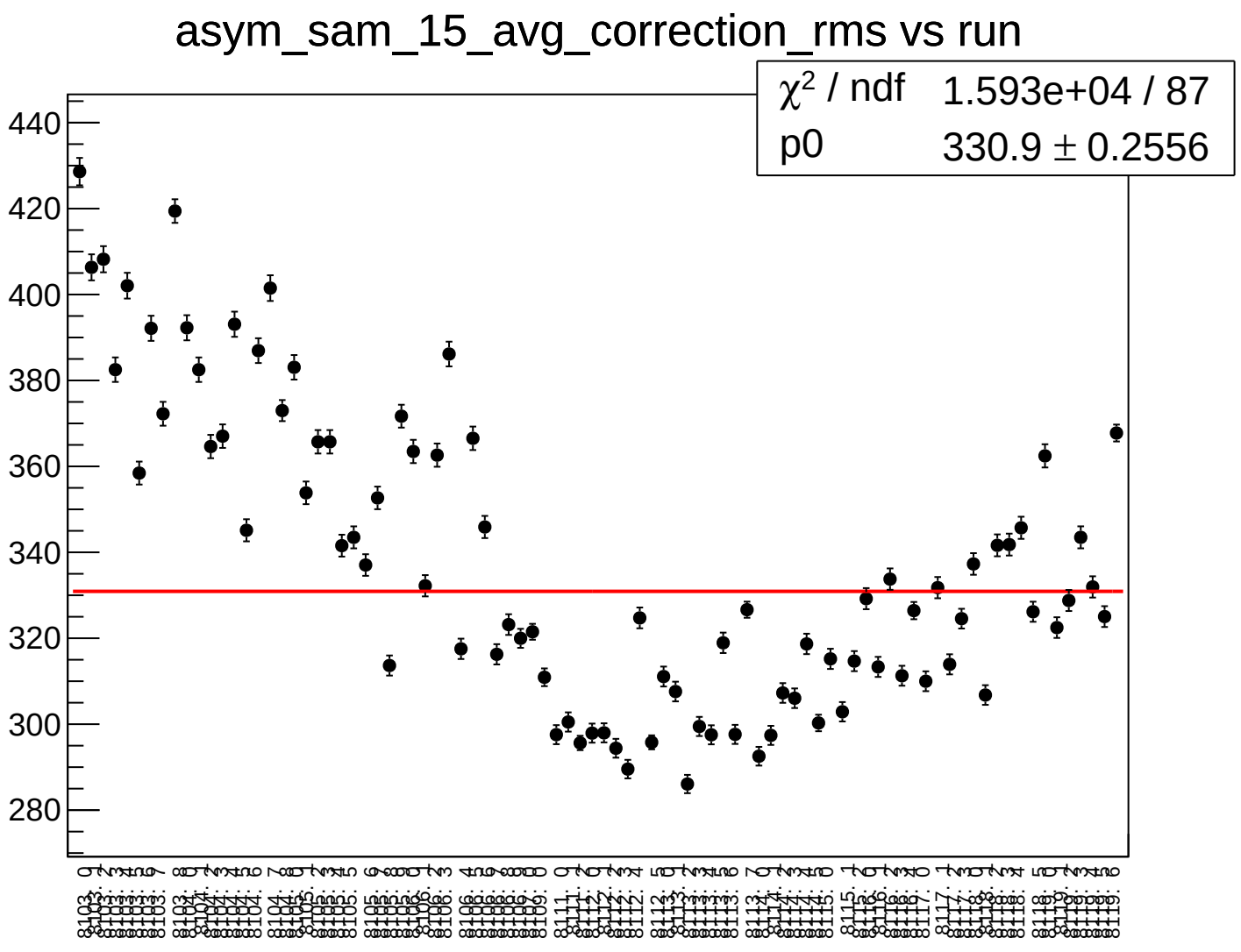

asym_sam8_rms vs run
χ² / ndf 3117 / 87
p0 412.8 ± 0.3177
460
440
420
400
380

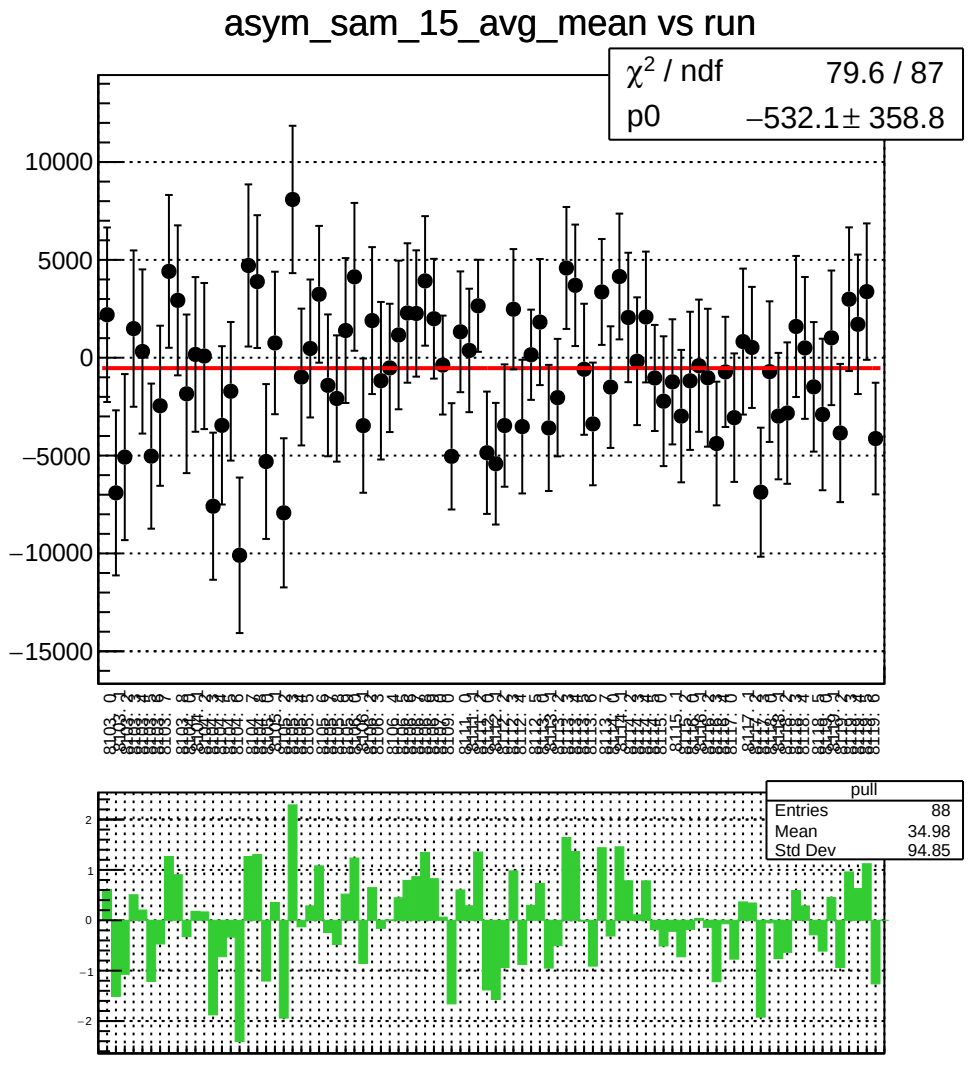

dit_asym_sam_15_avg_mean vs run
χ² / ndf 98.22 / 87
p0 −36.24 ± 71.91
2000
1000
0
−1000
−2000
pull
Entries 88
Mean −1774
Std Dev 1815
3
2
1
0
−1
−2

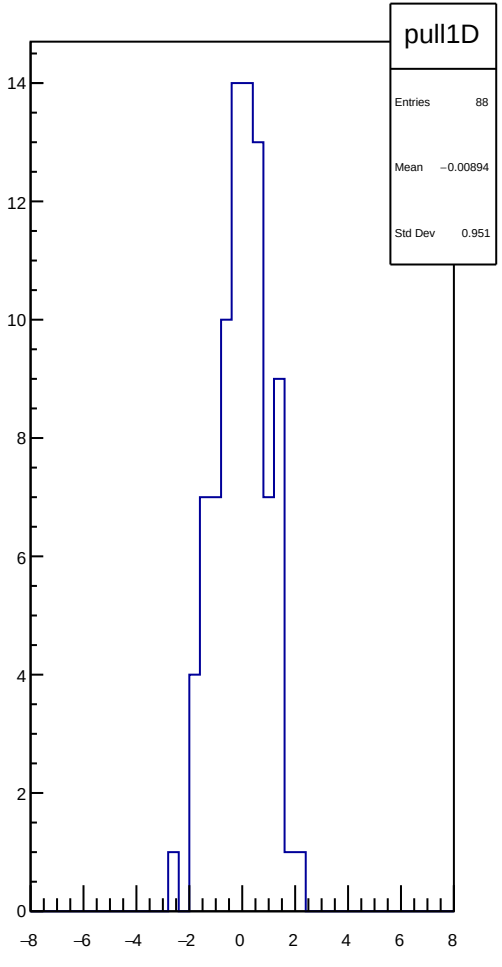

pull1D
Entries 88
Mean 0.002161
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

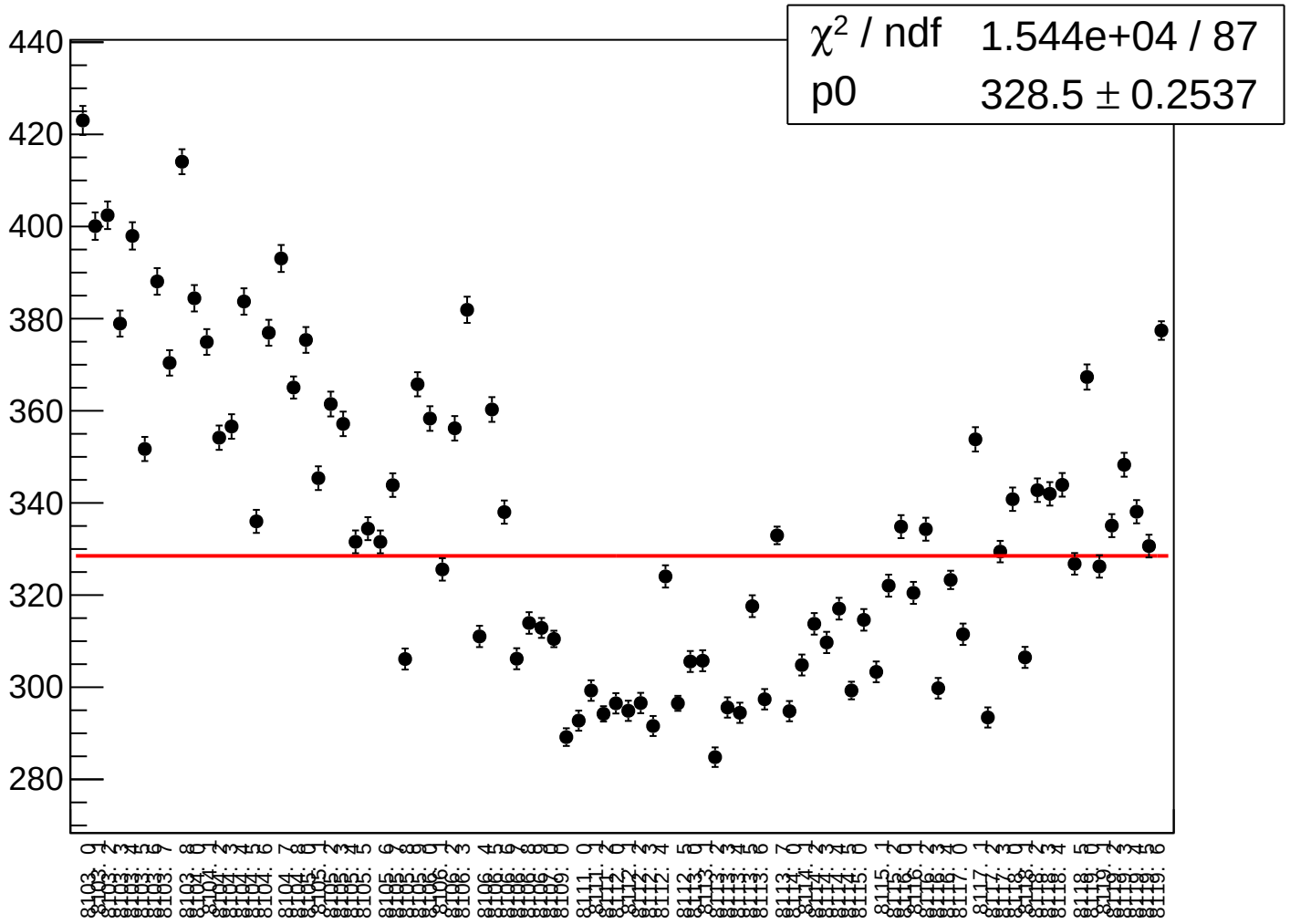

dit_asym_sam_15_avg_rms vs run
χ² / ndf 5142 / 87
p0 66.04 ± 0.05085
105
100
95
90
85
80
75
70
65
60

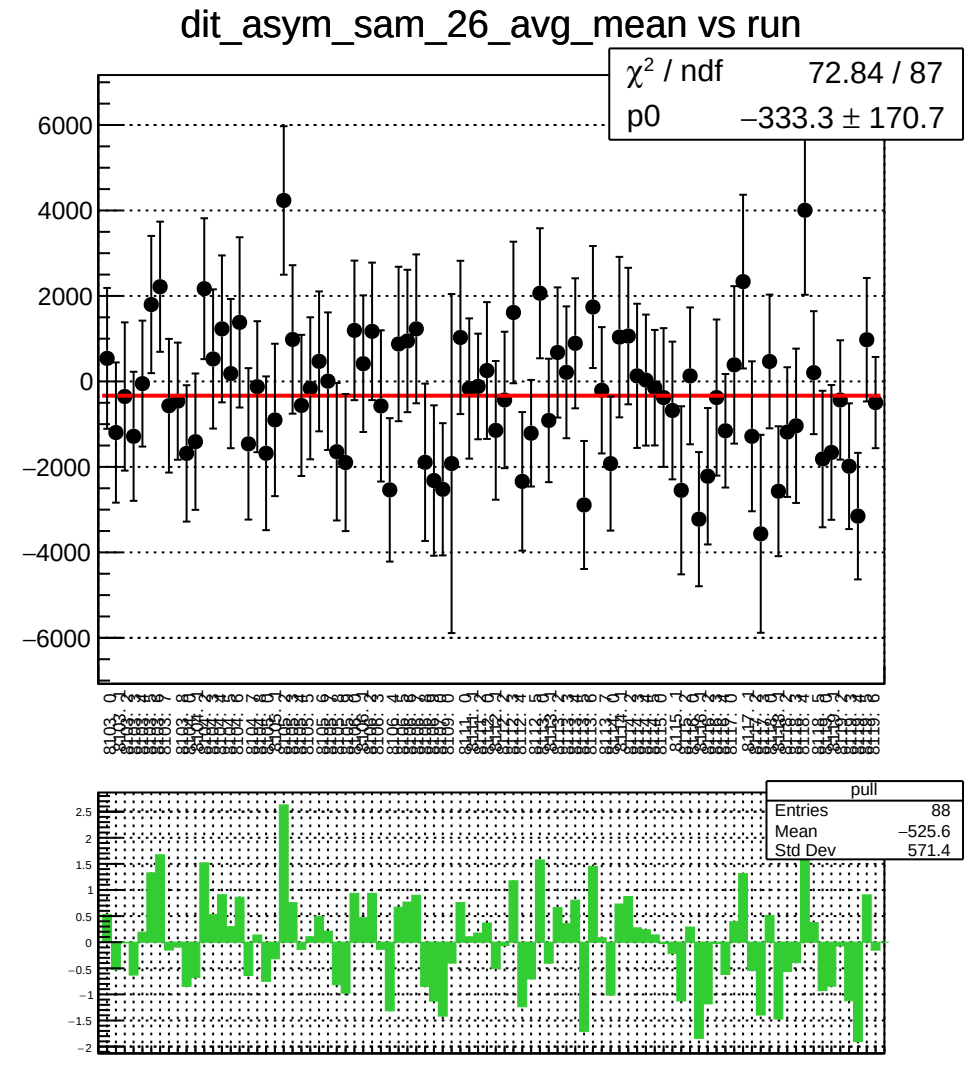

asym_sam_15_avg_correction_mean vs run
χ² / ndf 83.72 / 87
p0 466.2 ± 361.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean −7.758
Std Dev 61.47
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.0138
Std Dev 0.9753
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

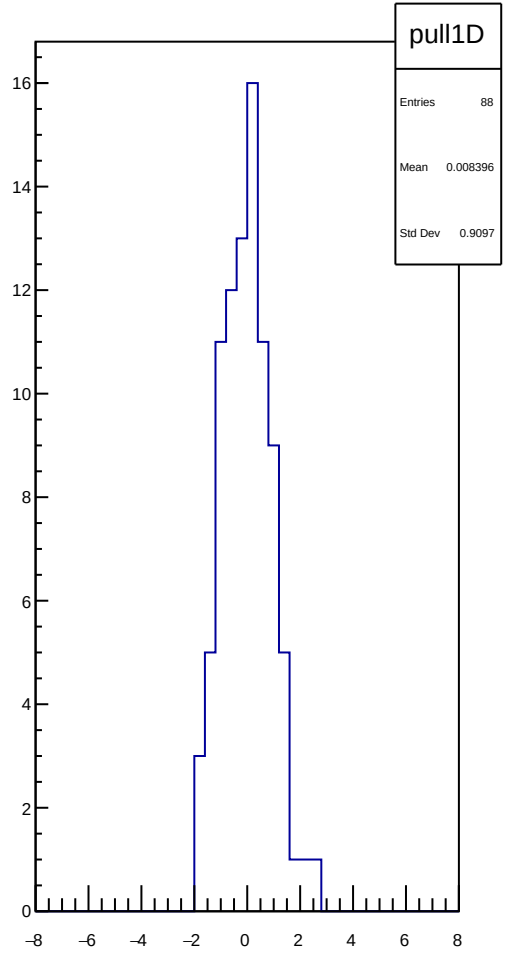

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.593e+04 / 87
p0 330.9 ± 0.2556
440
420
400
380
360
340
320
300
280

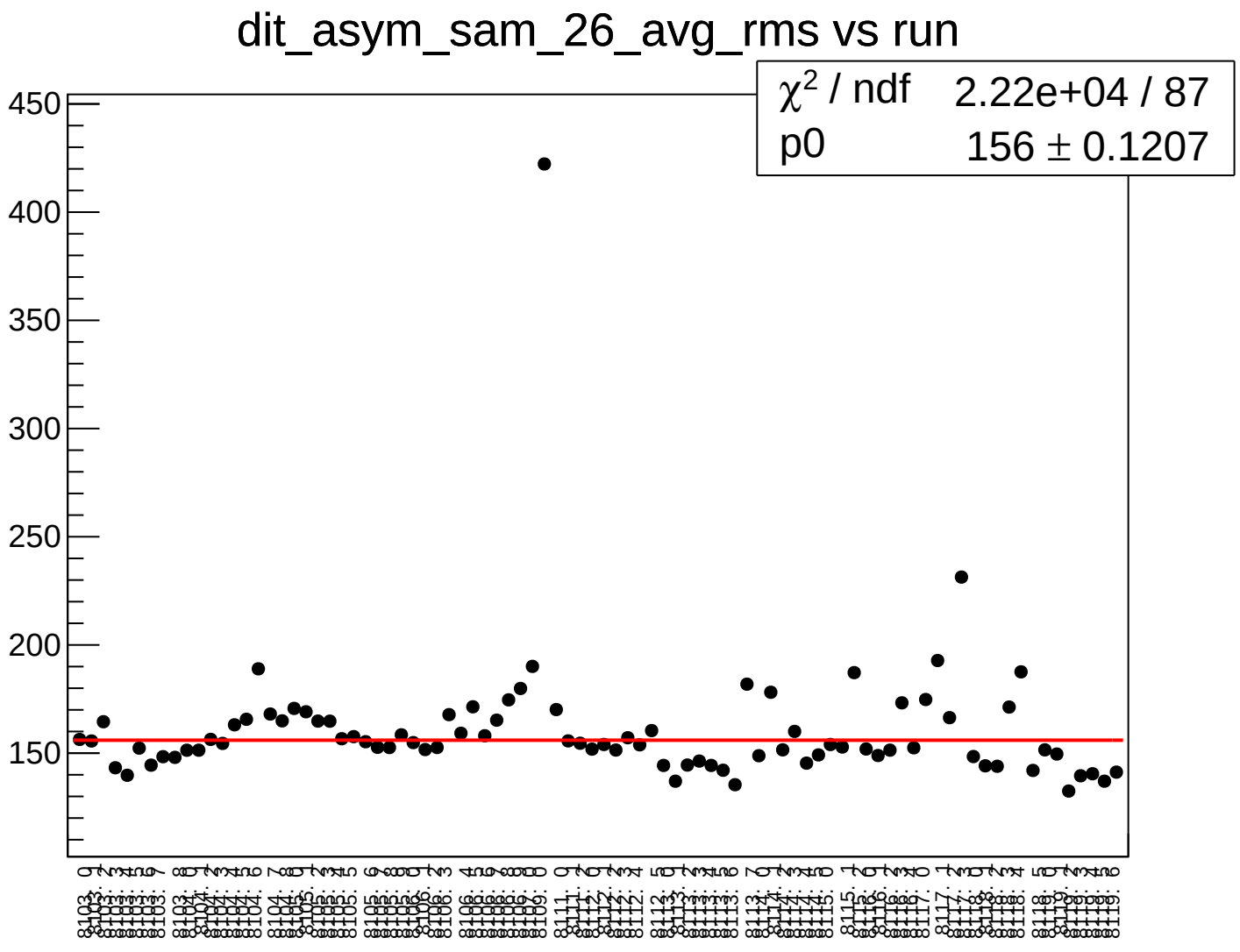

asym_sam_15_avg_mean vs run
χ² / ndf 79.6 / 87
p0 −532.1± 358.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 34.98
Std Dev 94.85
2
1
0
−1
−2

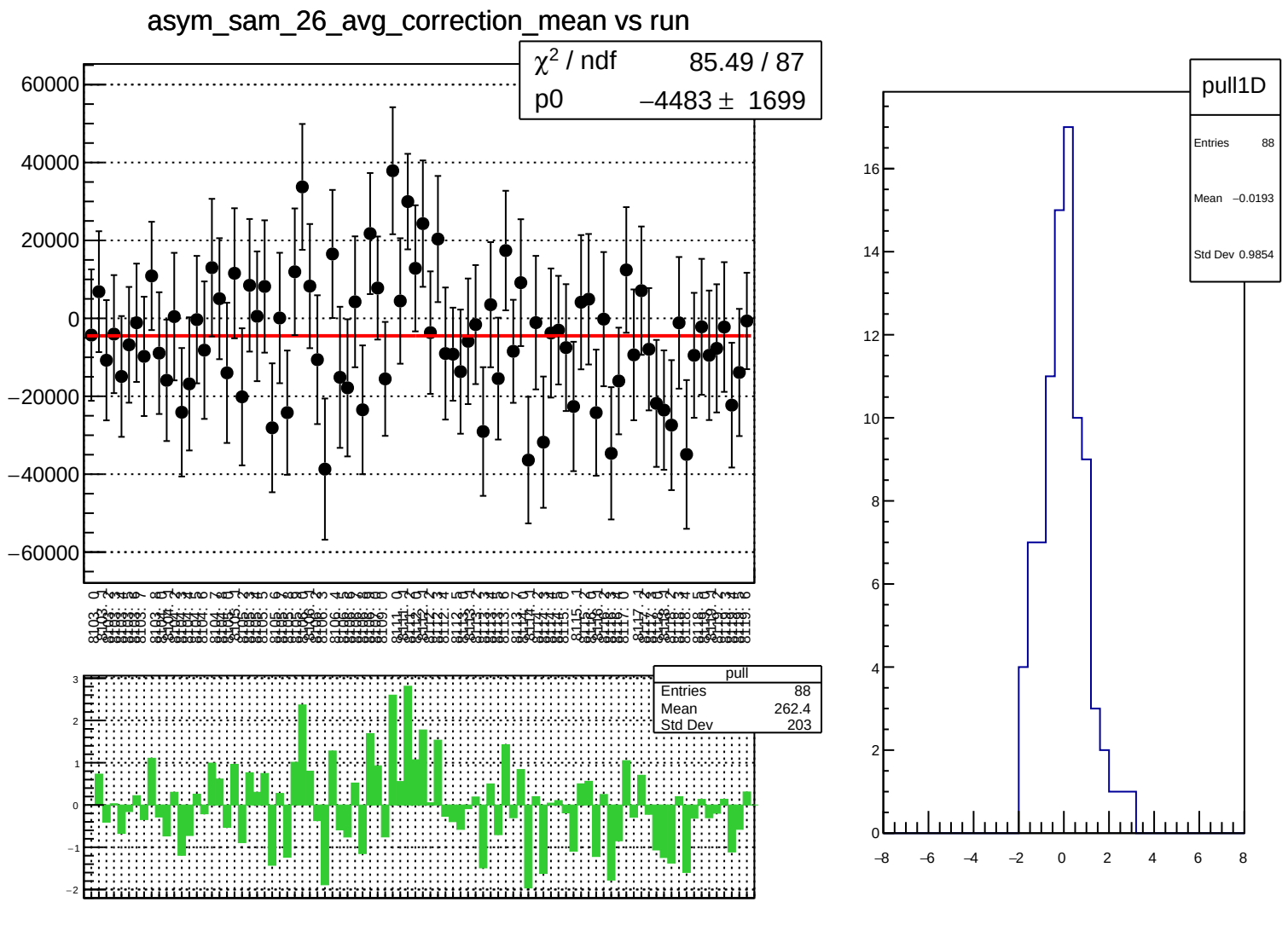

pull1D
Entries 88
Mean −0.00894
Std Dev 0.951
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

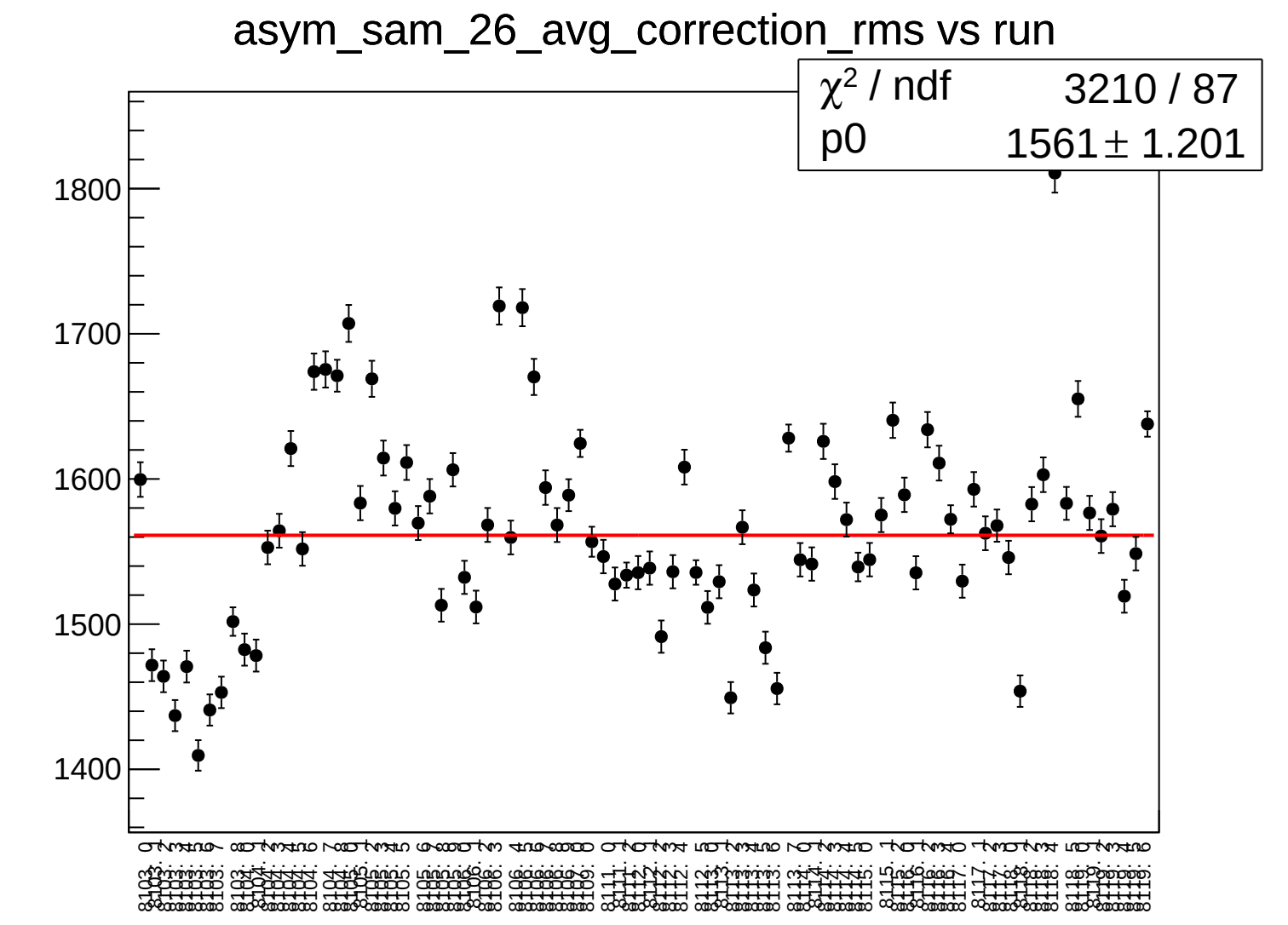

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.544e+04 / 87
p0 328.5 ± 0.2537
440
420
400
380
360
340
320
300
280

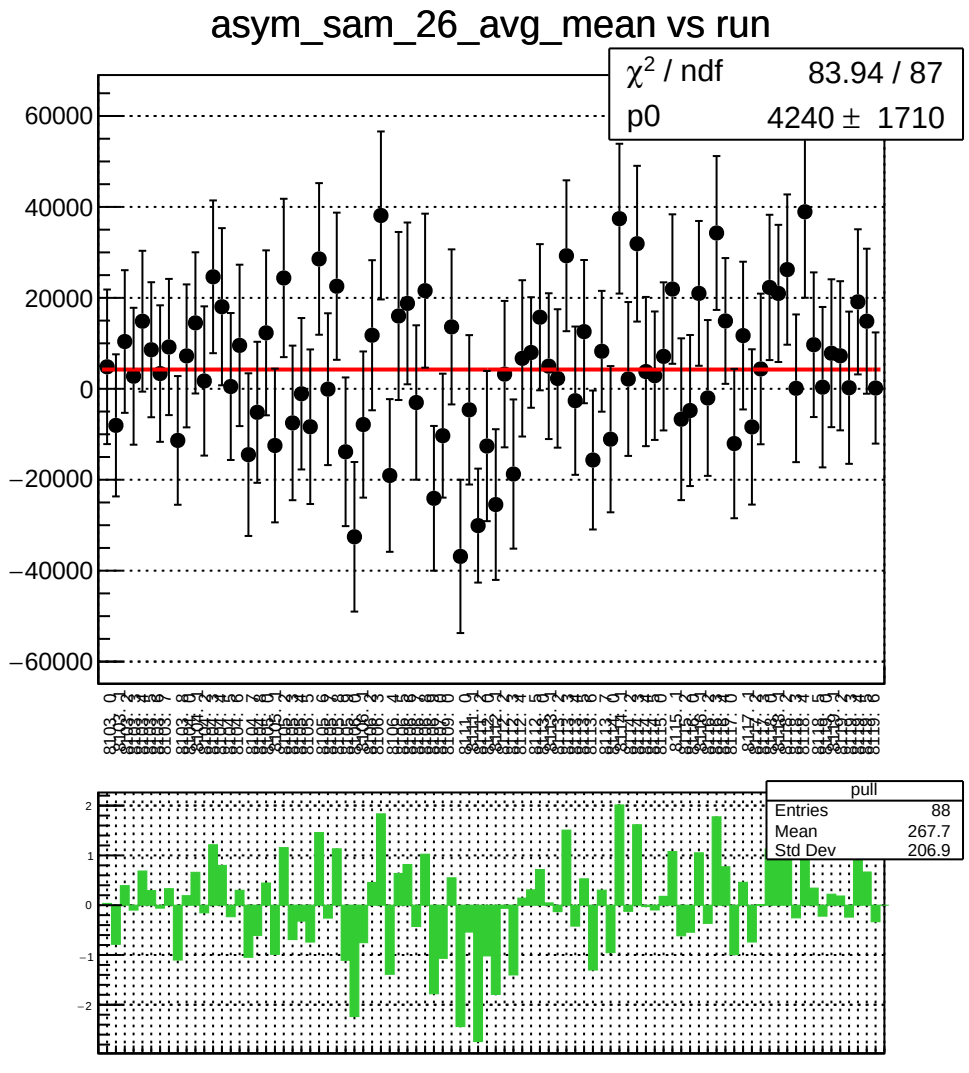

dit_asym_sam_26_avg_mean vs run
χ² / ndf 72.84 / 87
p0 −333.3 ± 170.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −525.6
Std Dev 571.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

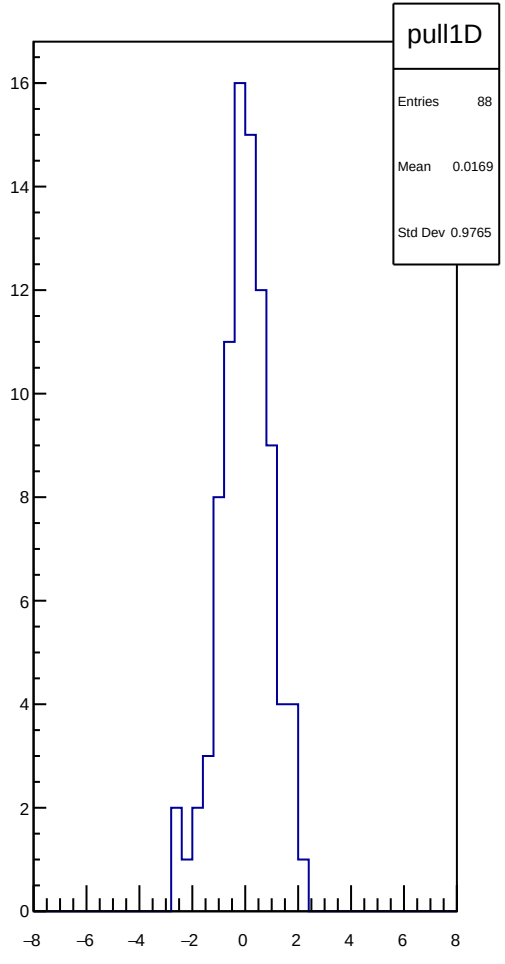

pull1D
Entries 88
Mean 0.008396
Std Dev 0.9097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

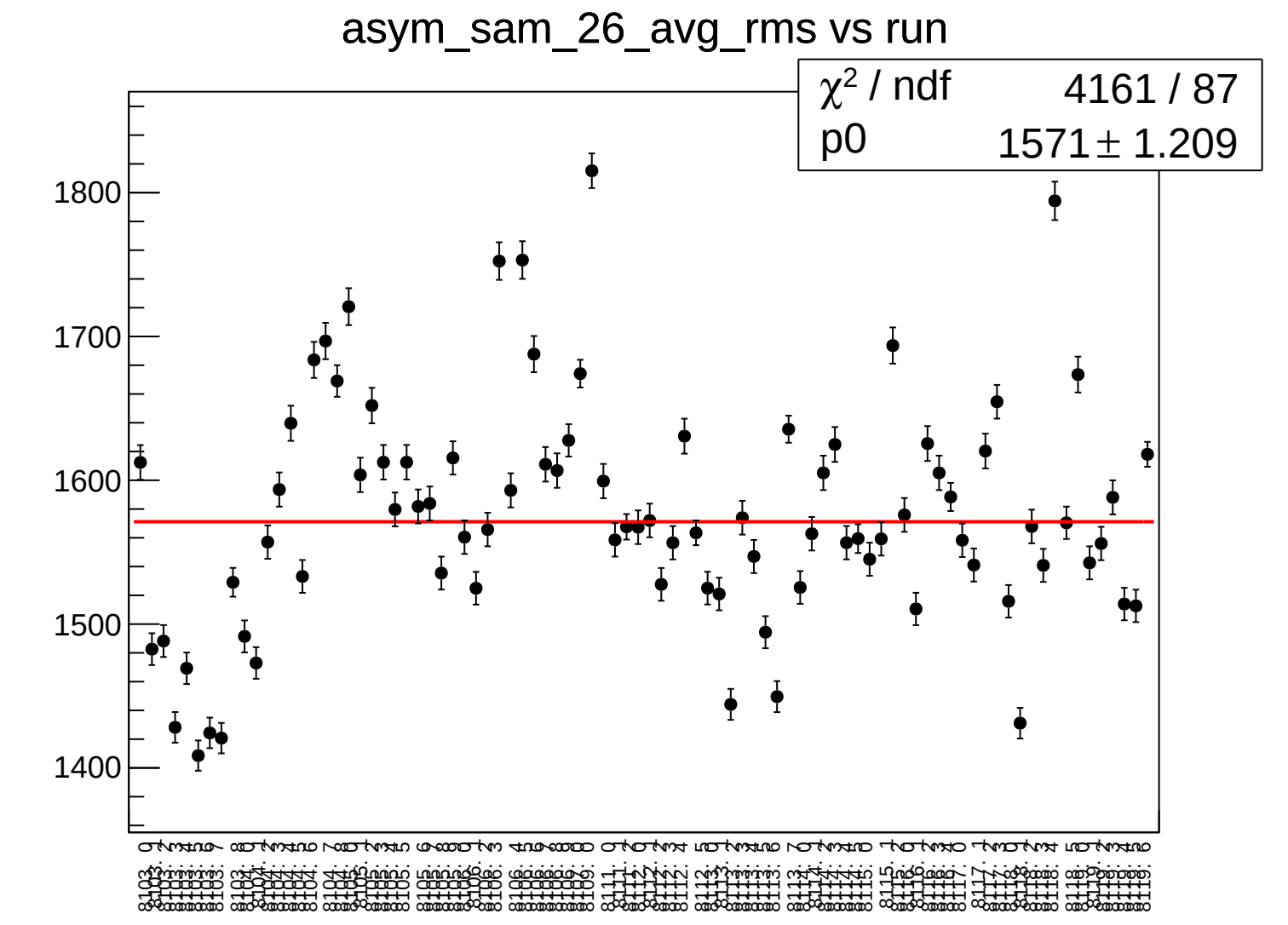

dit_asym_sam_26_avg_rms vs run
χ² / ndf 2.22e+04 / 87
p0 156 ± 0.1207
450
400
350
300
250
200
150

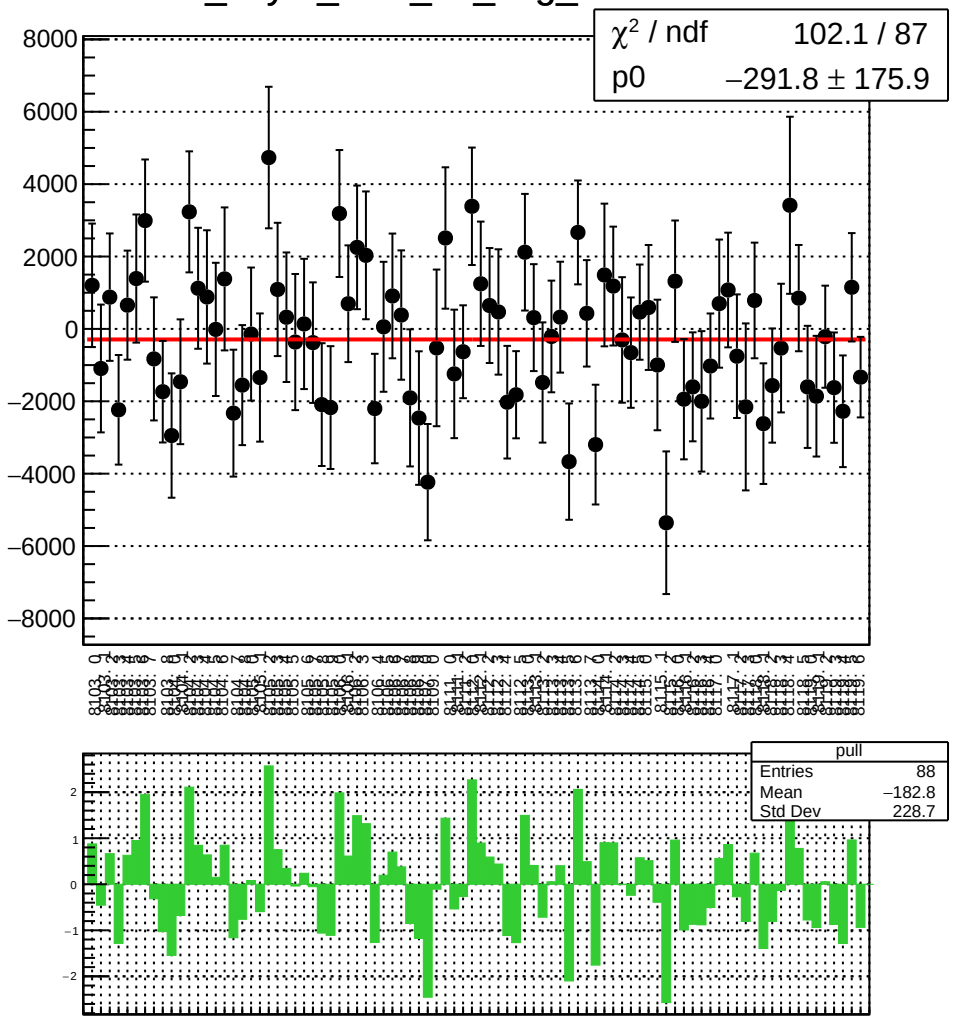

asym_sam_26_avg_correction_mean vs run
χ² / ndf 85.49 / 87
p0 −4483 ± 1699
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 262.4
Std Dev 203
3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.0193
Std Dev 0.9854
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

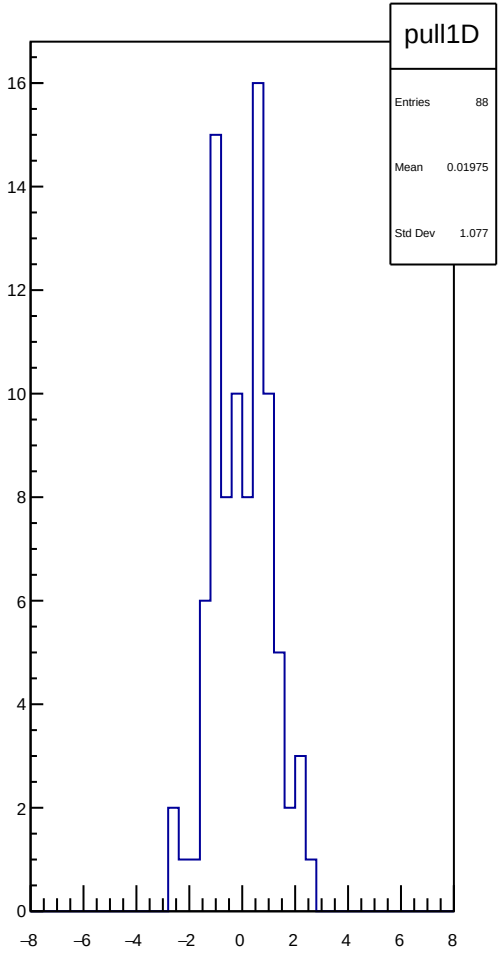

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3210 / 87
p0 1561 ± 1.201
1800
1700
1600
1500
1400

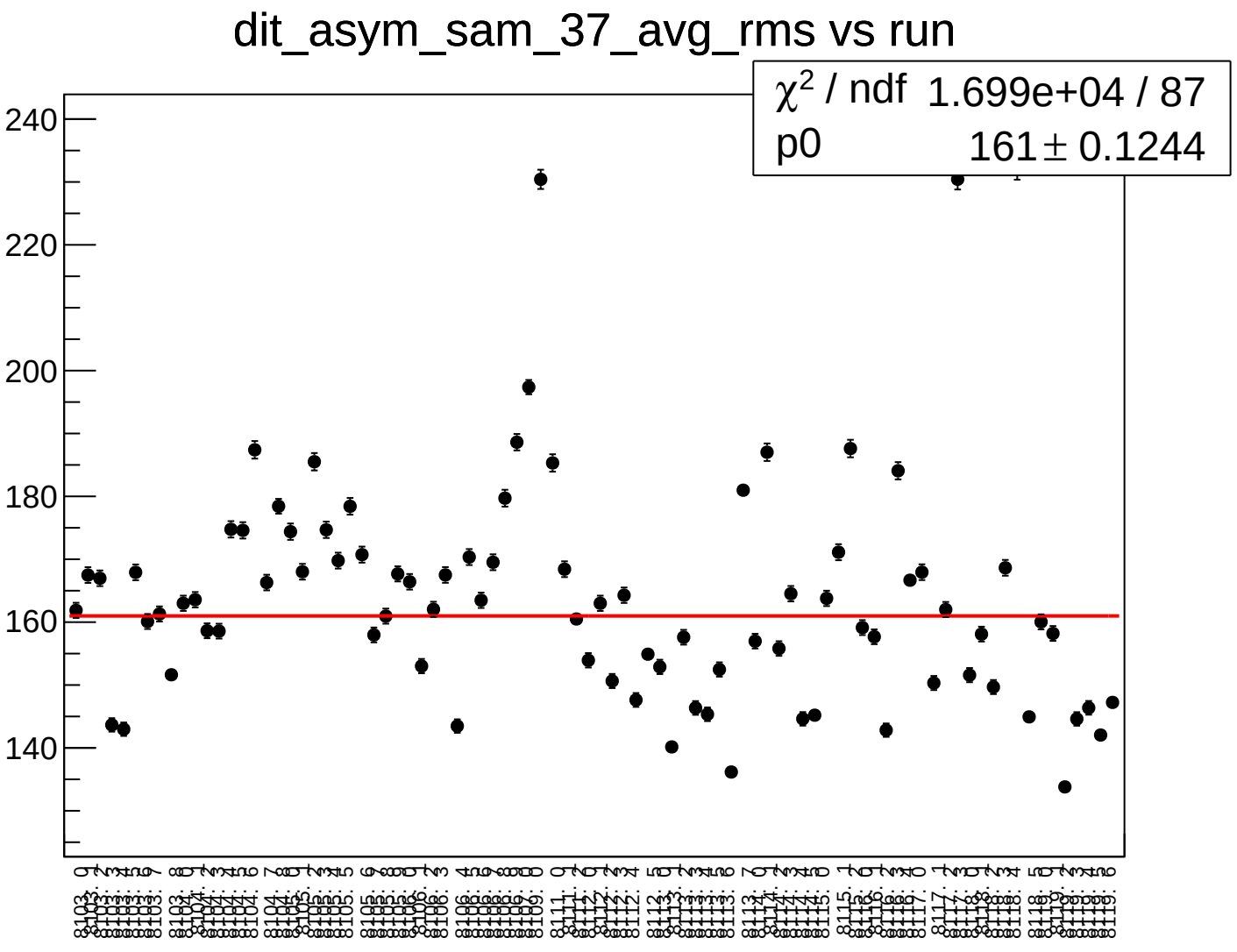

asym_sam_26_avg_mean vs run
χ² / ndf 83.94 / 87
p0 4240 ± 1710
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 267.7
Std Dev 206.9
2
1
0
−1
−2

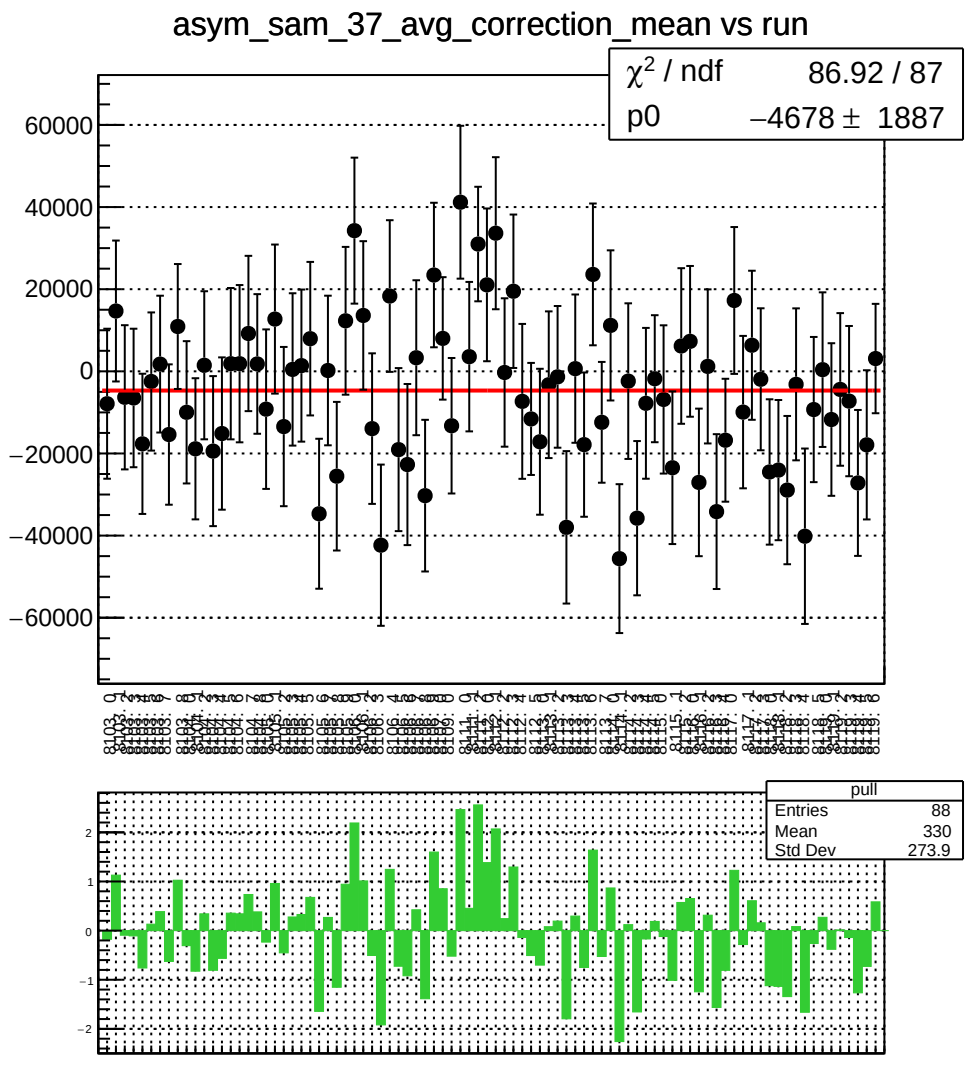

pull1D
Entries 88
Mean 0.0169
Std Dev 0.9765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

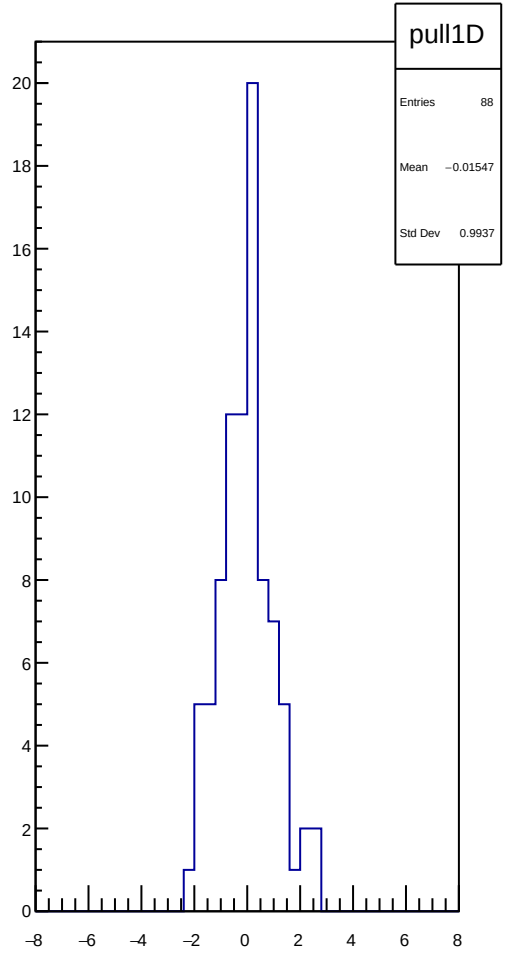

asym_sam_26_avg_rms vs run
χ² / ndf 4161 / 87
p0 1571 ± 1.209
1800
1700
1600
1500
1400

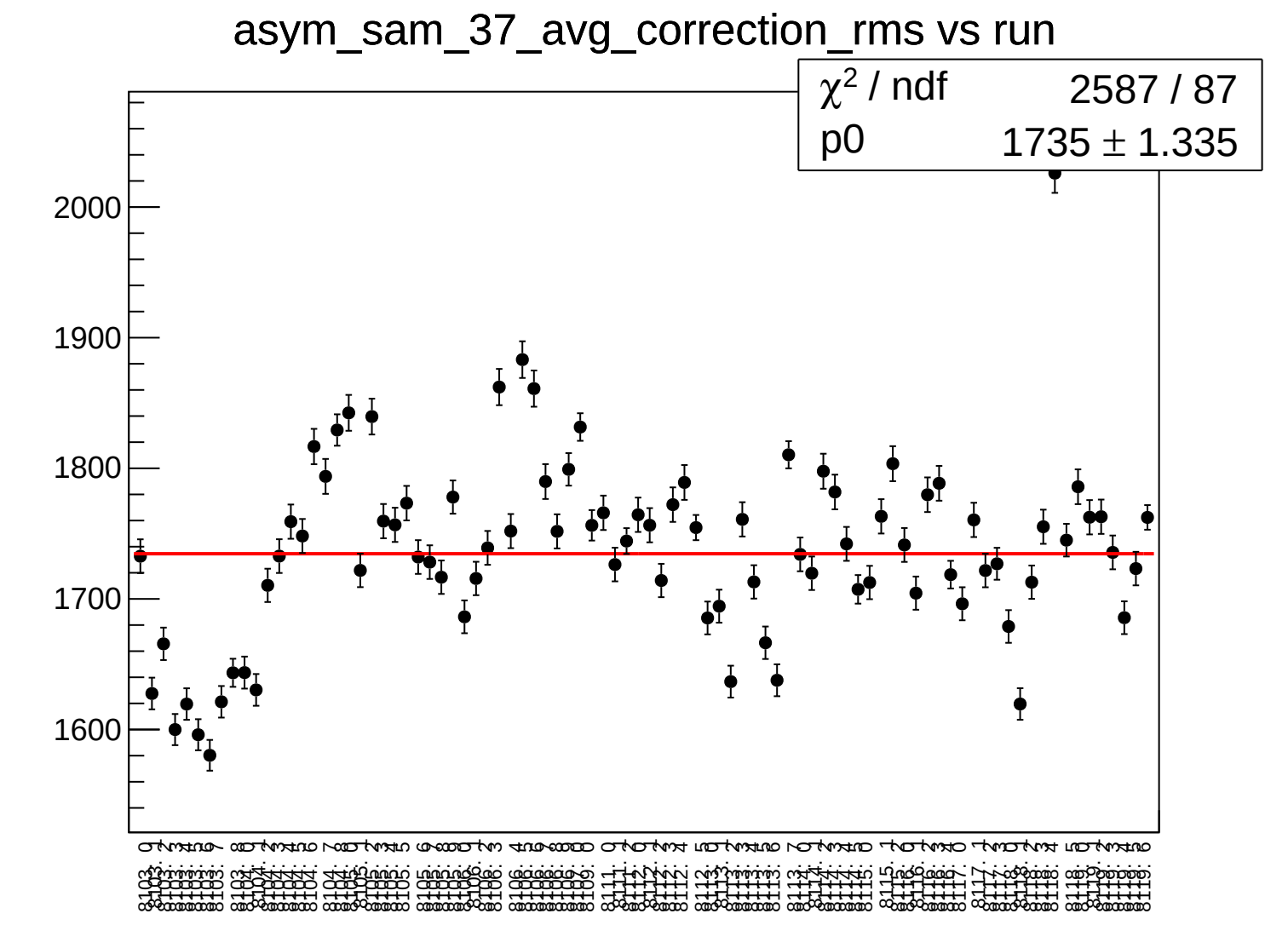

dit_asym_sam_37_avg_mean vs run
χ² / ndf 102.1 / 87
p0 −291.8 ± 175.9
pull
Entries 88
Mean −182.8
Std Dev 228.7

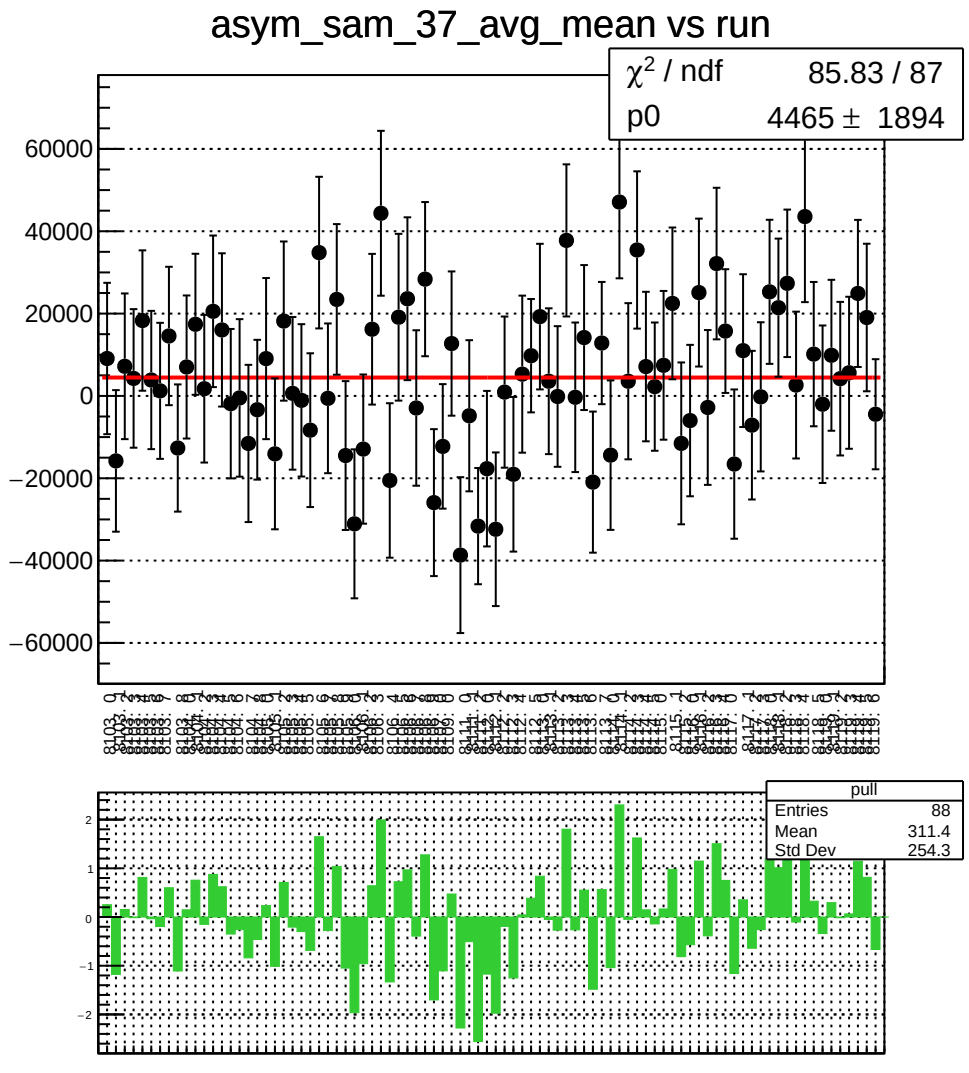

pull1D
Entries 88
Mean 0.01975
Std Dev 1.077

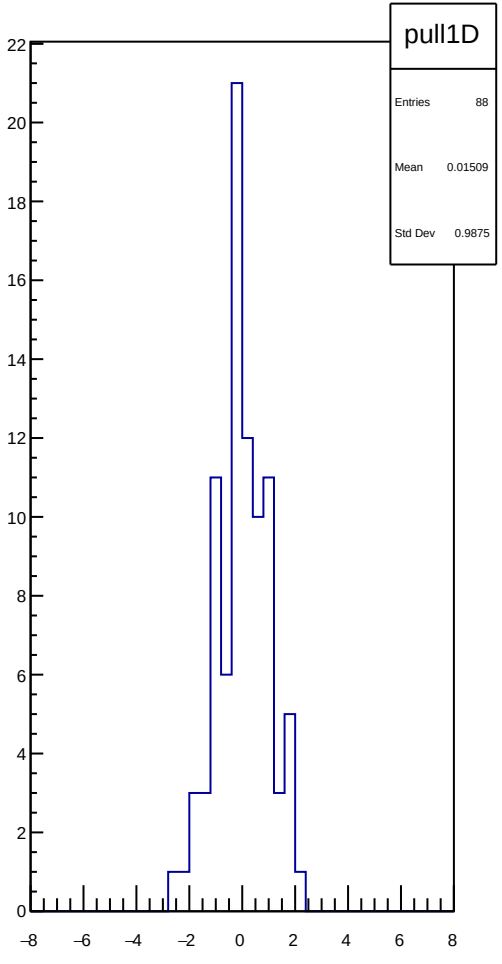

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.699e+04 / 87
p0 161 ± 0.1244
240
220
200
180
160
140

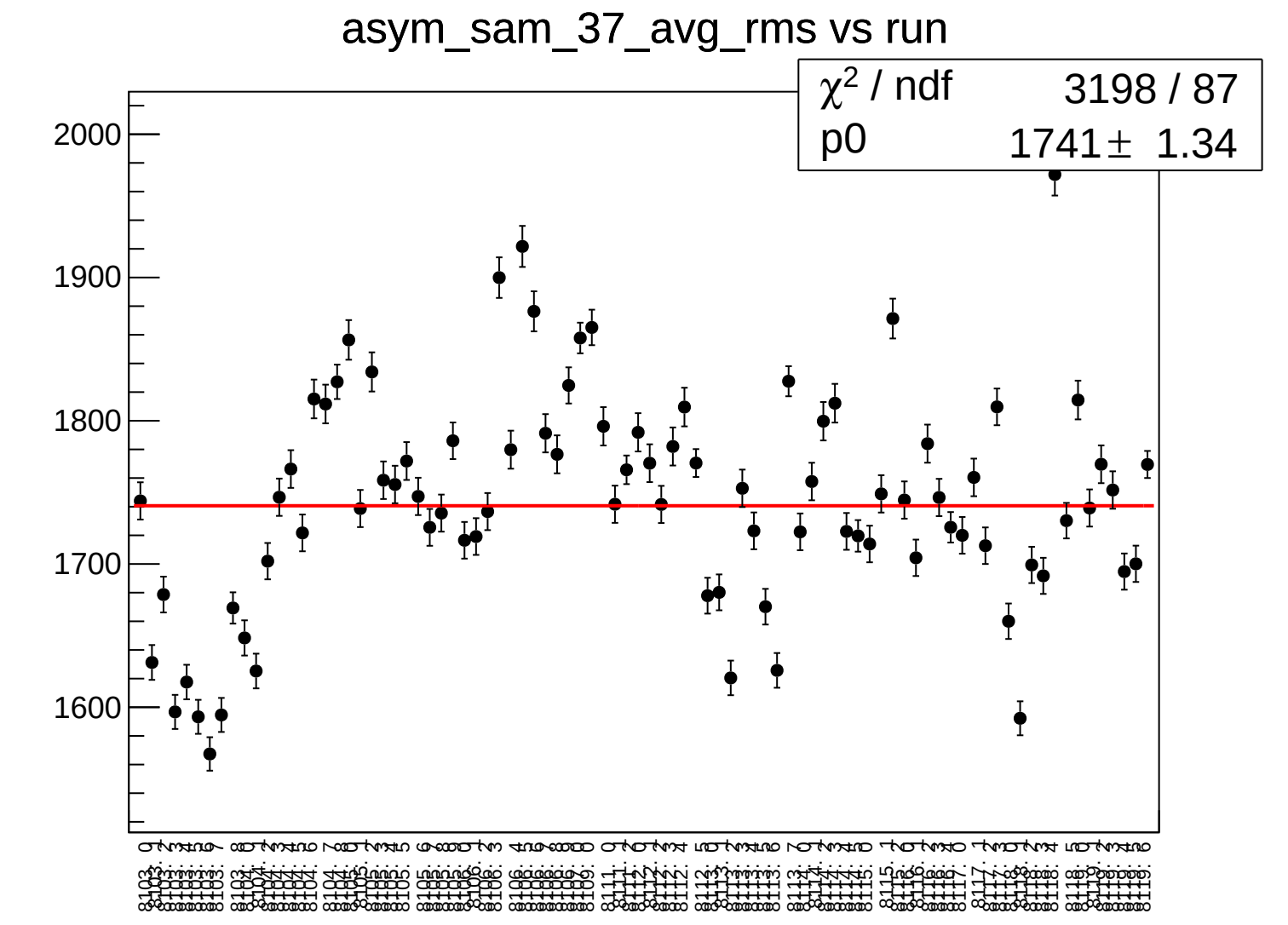

asym_sam_37_avg_correction_mean vs run
χ² / ndf 86.92 / 87
p0 −4678 ± 1887
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 330
Std Dev 273.9
2
1
0
−1
−2

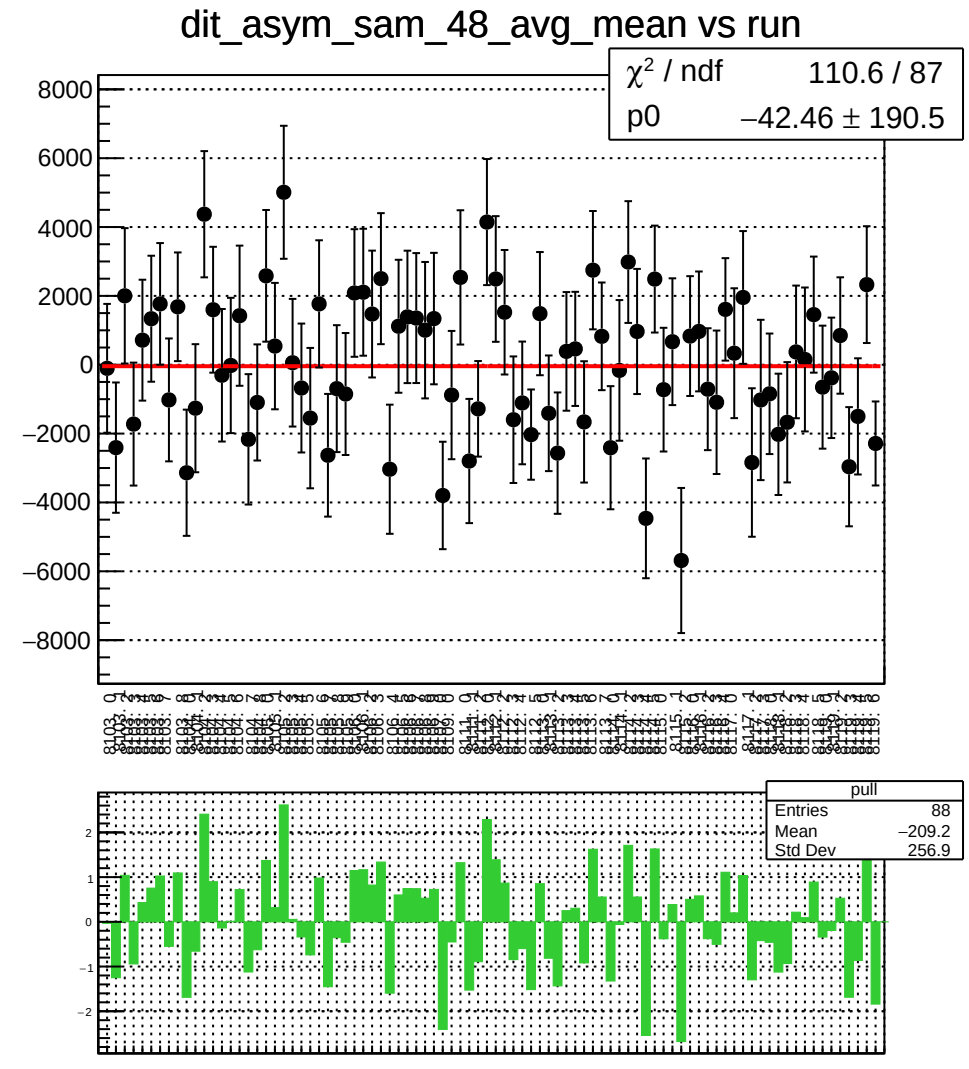

pull1D
Entries 88
Mean −0.01547
Std Dev 0.9937
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

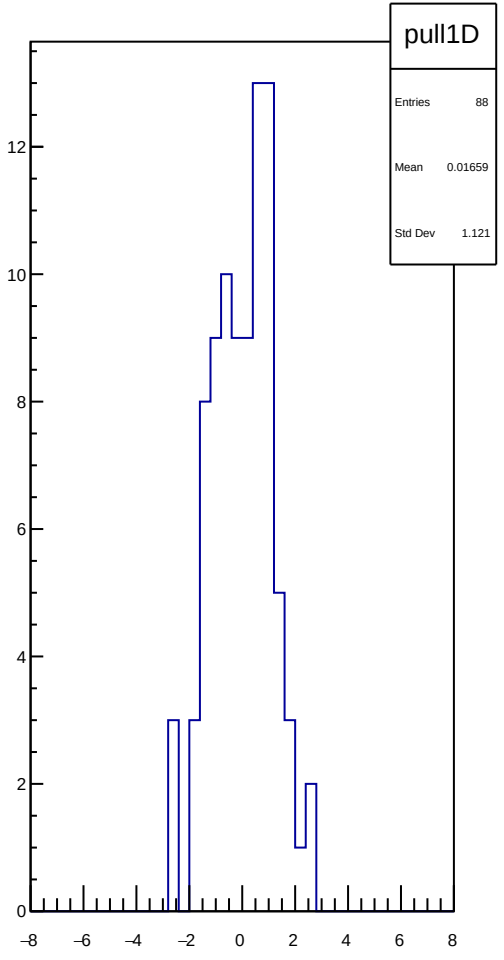

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 2587 / 87
p0 1735 ± 1.335
2000
1900
1800
1700
1600

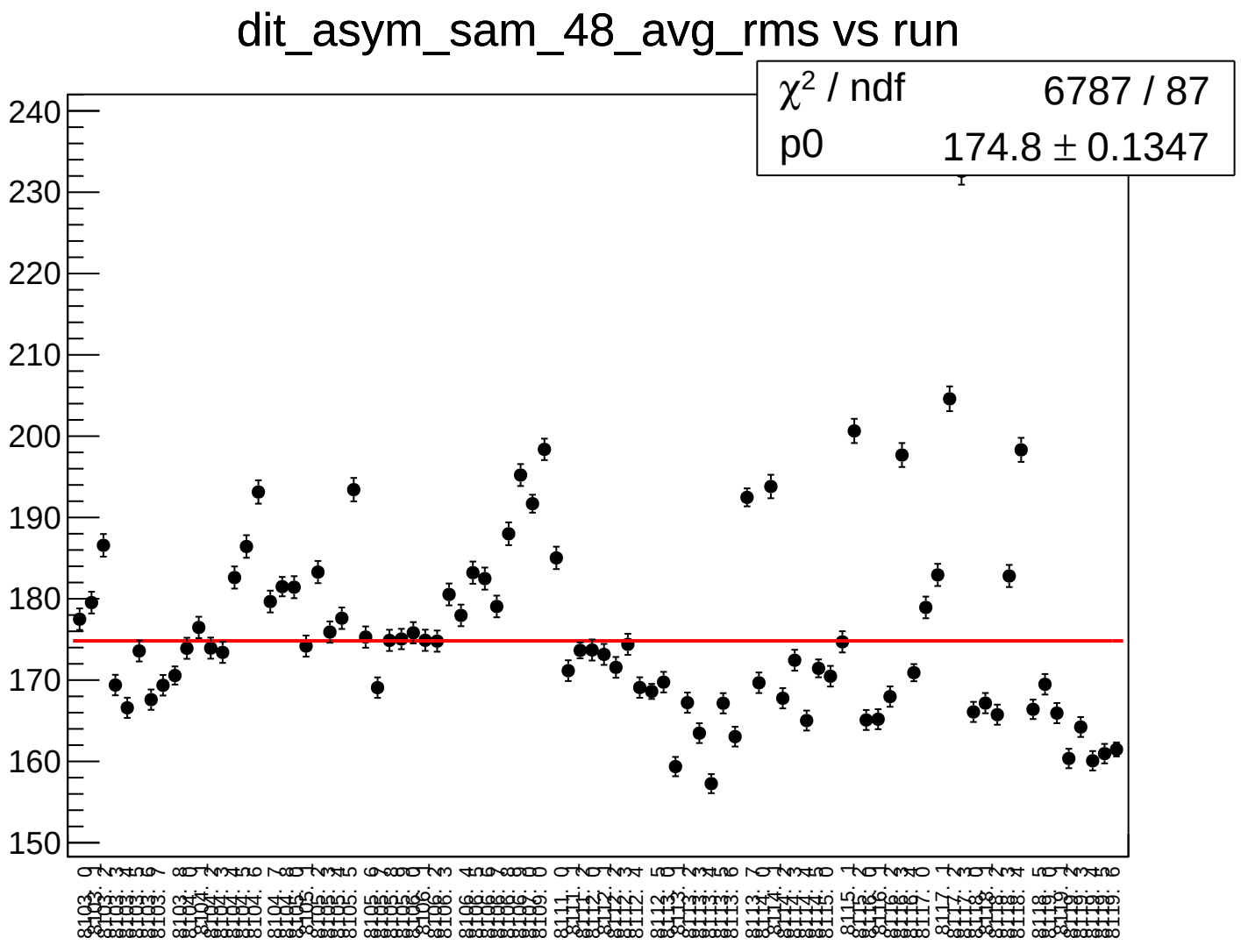

asym_sam_37_avg_mean vs run
χ² / ndf 85.83 / 87
p0 4465 ± 1894
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 311.4
Std Dev 254.3
2
1
0
−1
−2

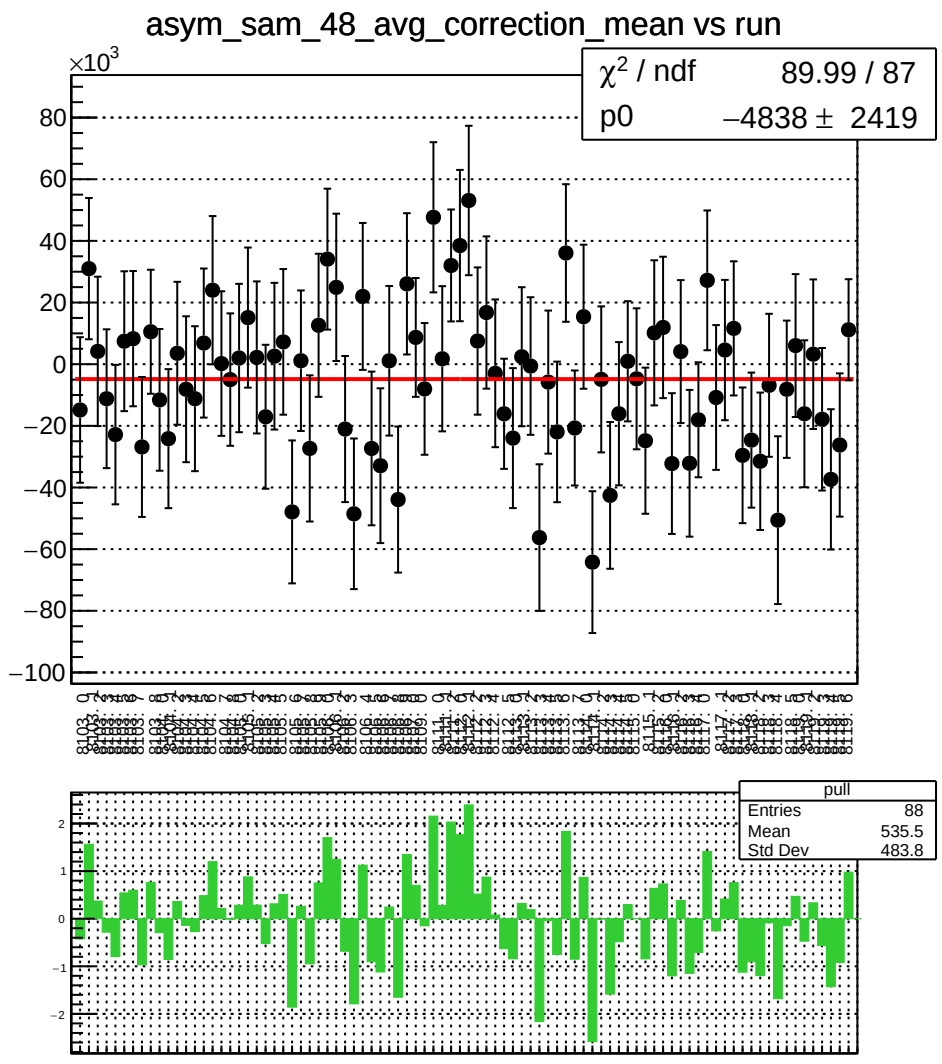

pull1D
Entries 88
Mean 0.01509
Std Dev 0.9875
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

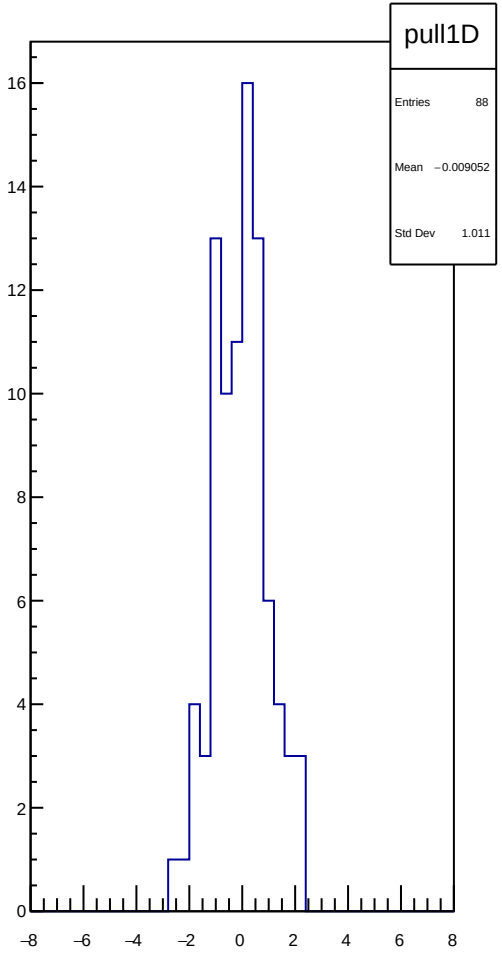

asym_sam_37_avg_rms vs run
χ² / ndf 3198 / 87
p0 1741 ± 1.34
2000
1900
1800
1700
1600

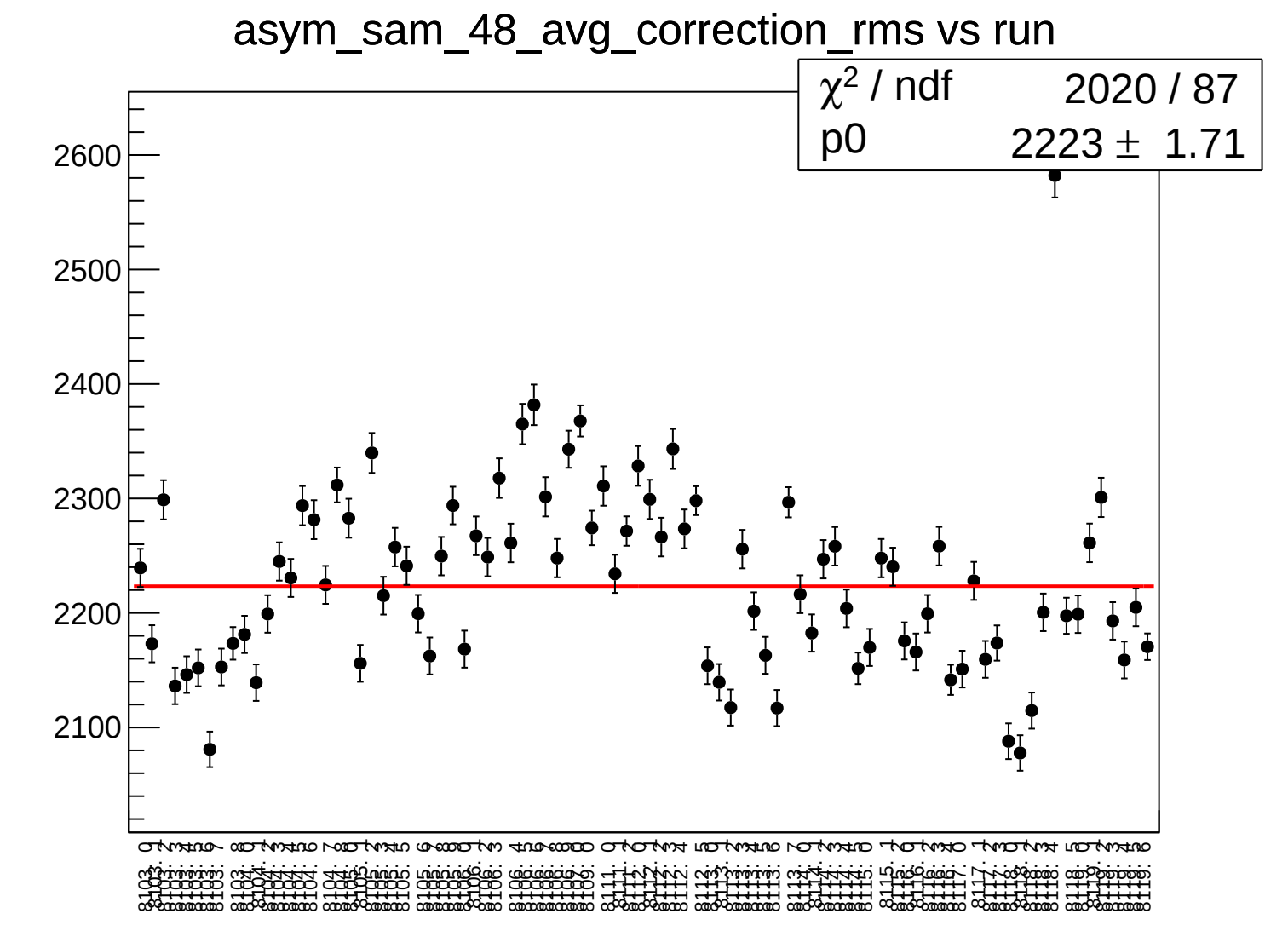

dit_asym_sam_48_avg_mean vs run
χ² / ndf 110.6 / 87
p0 −42.46 ± 190.5
pull
Entries 88
Mean −209.2
Std Dev 256.9

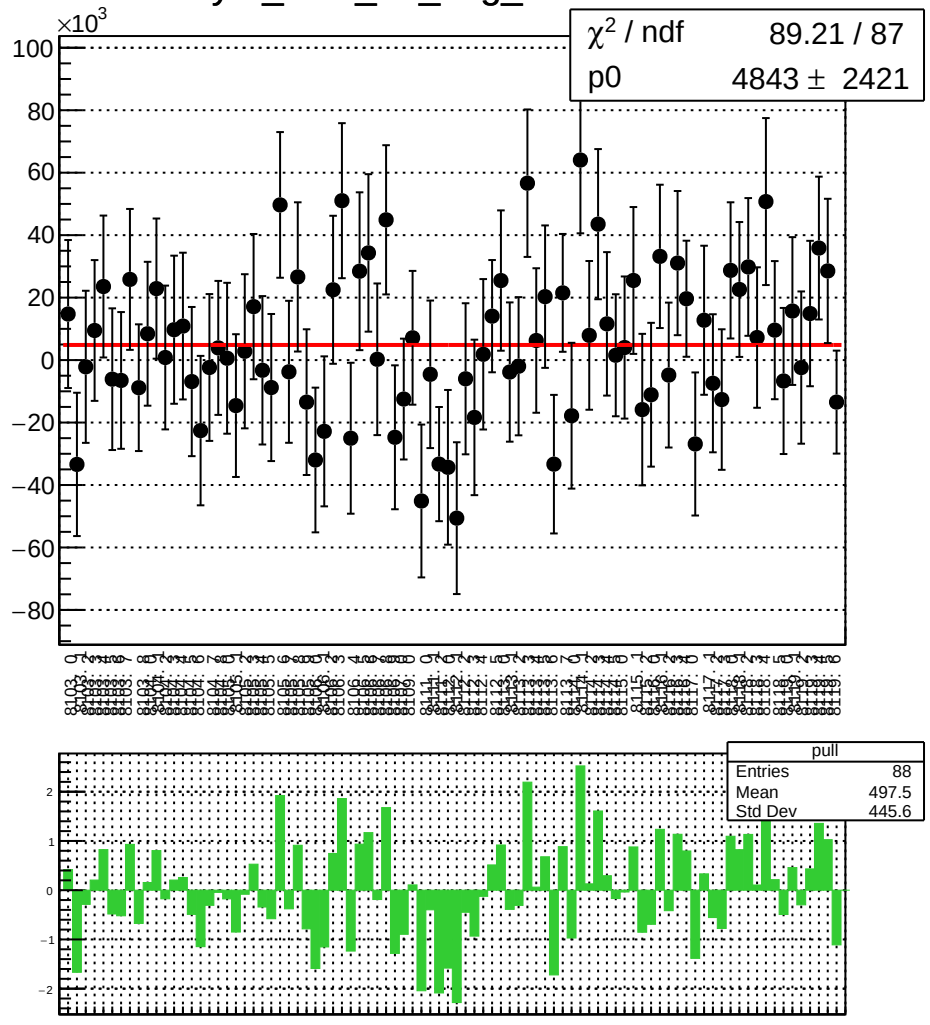

pull1D
Entries 88
Mean 0.01659
Std Dev 1.121

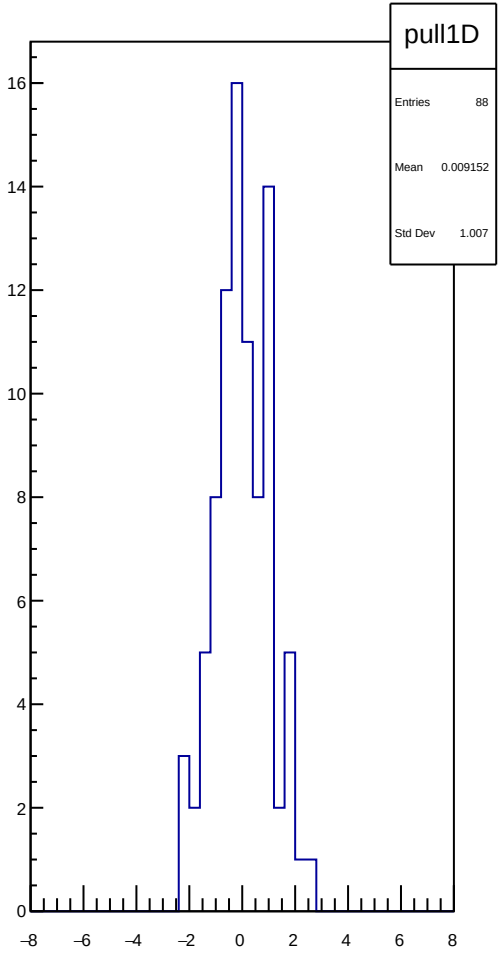

dit_asym_sam_48_avg_rms vs run
χ² / ndf 6787 / 87
p0 174.8 ± 0.1347
240
230
220
210
200
190
180
170
160
150

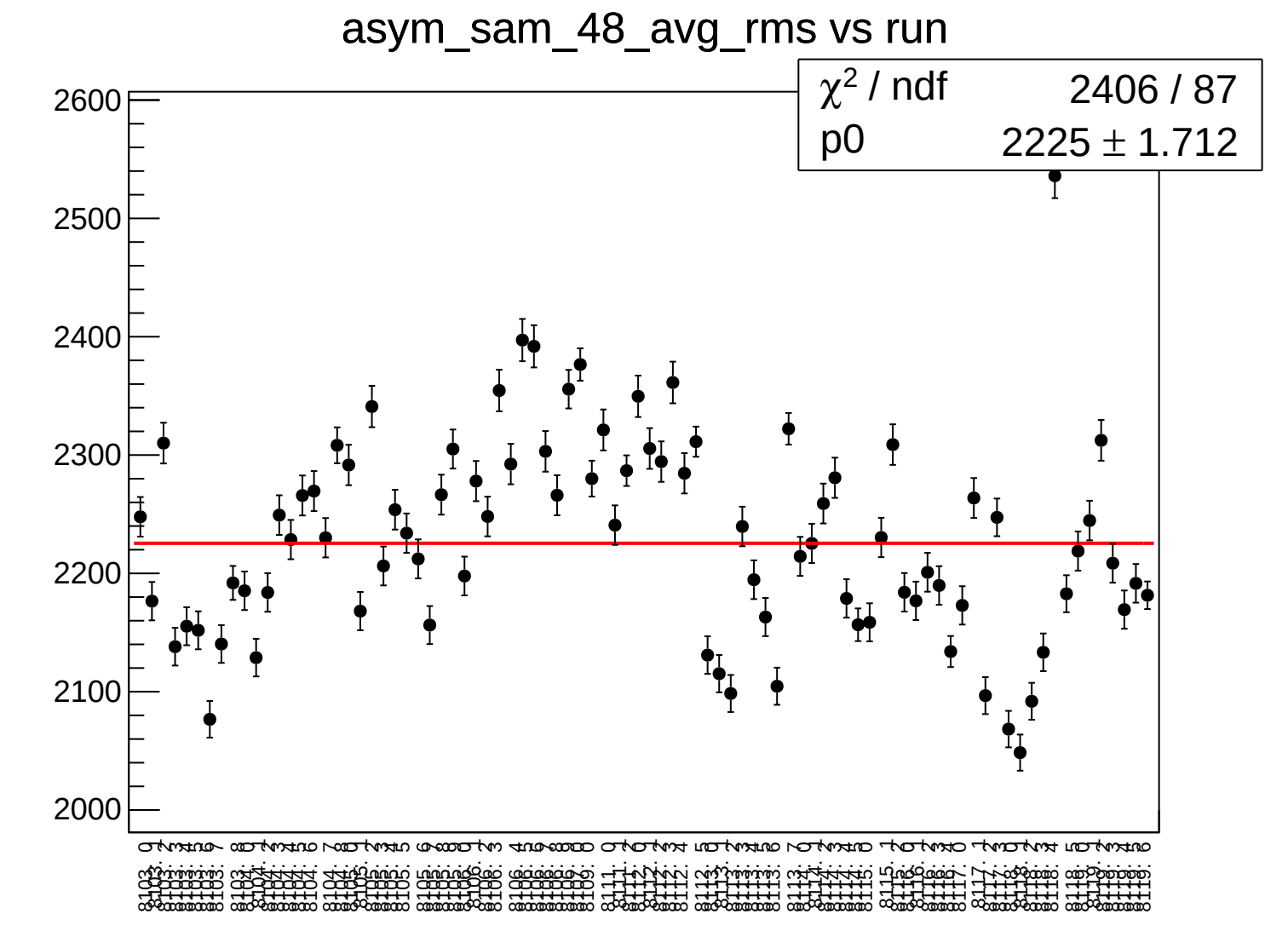

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 89.99 / 87
p0 −4838 ± 2419
pull
Entries 88
Mean 535.5
Std Dev 483.8

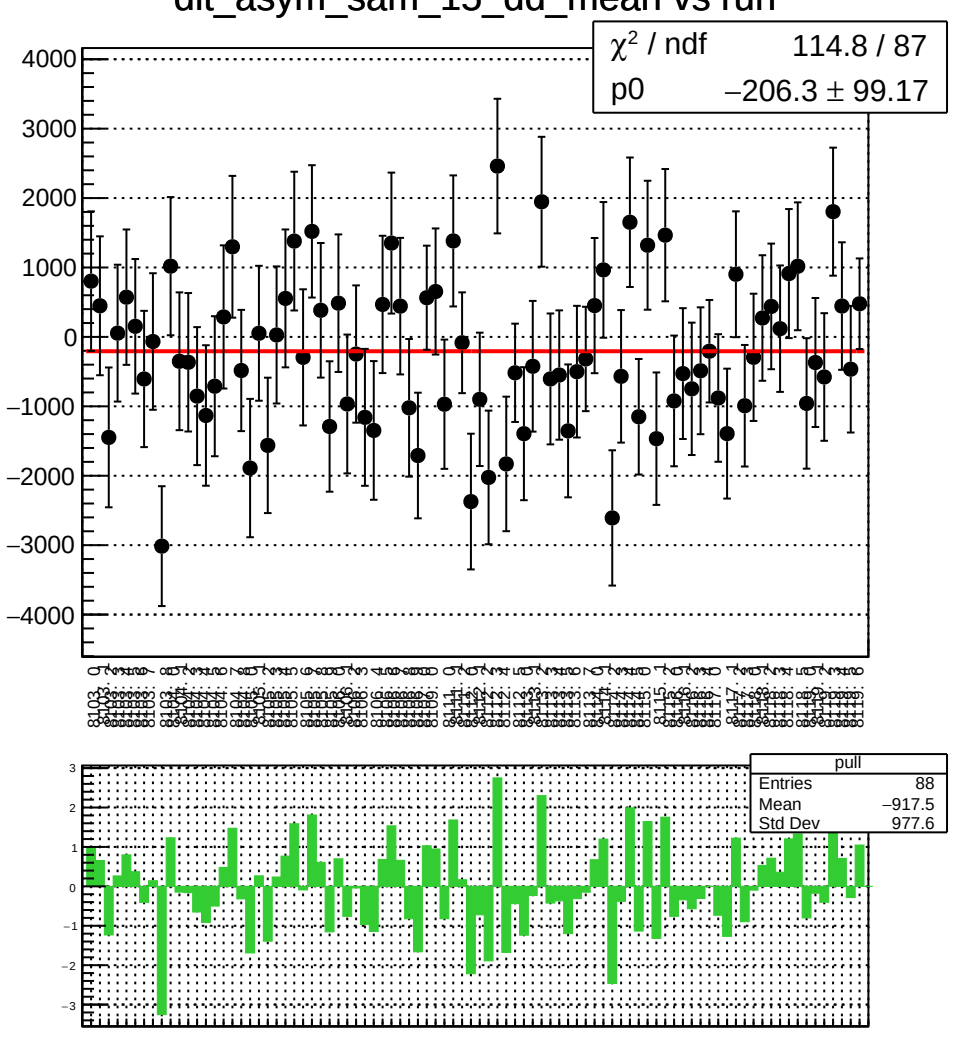

pull1D
Entries 88
Mean −0.009052
Std Dev 1.011

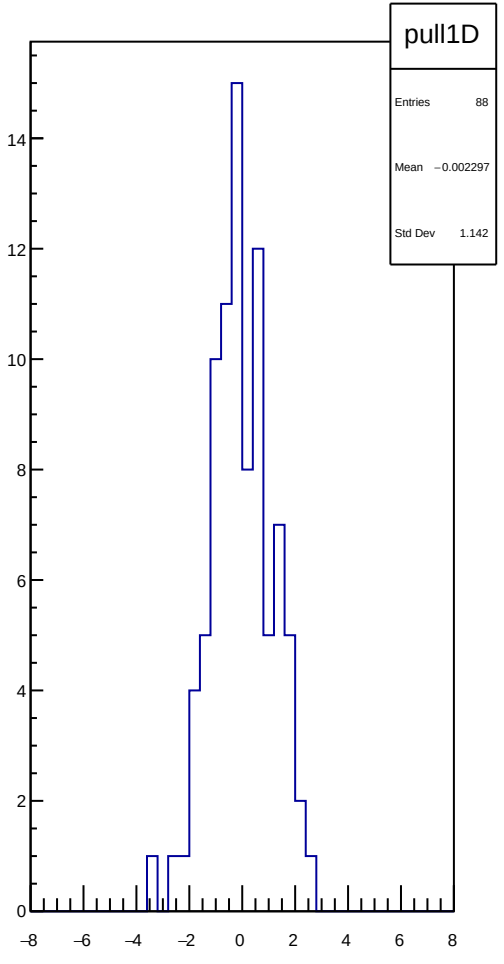

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2020 / 87
p0 2223 ± 1.71
2600
2500
2400
2300
2200
2100

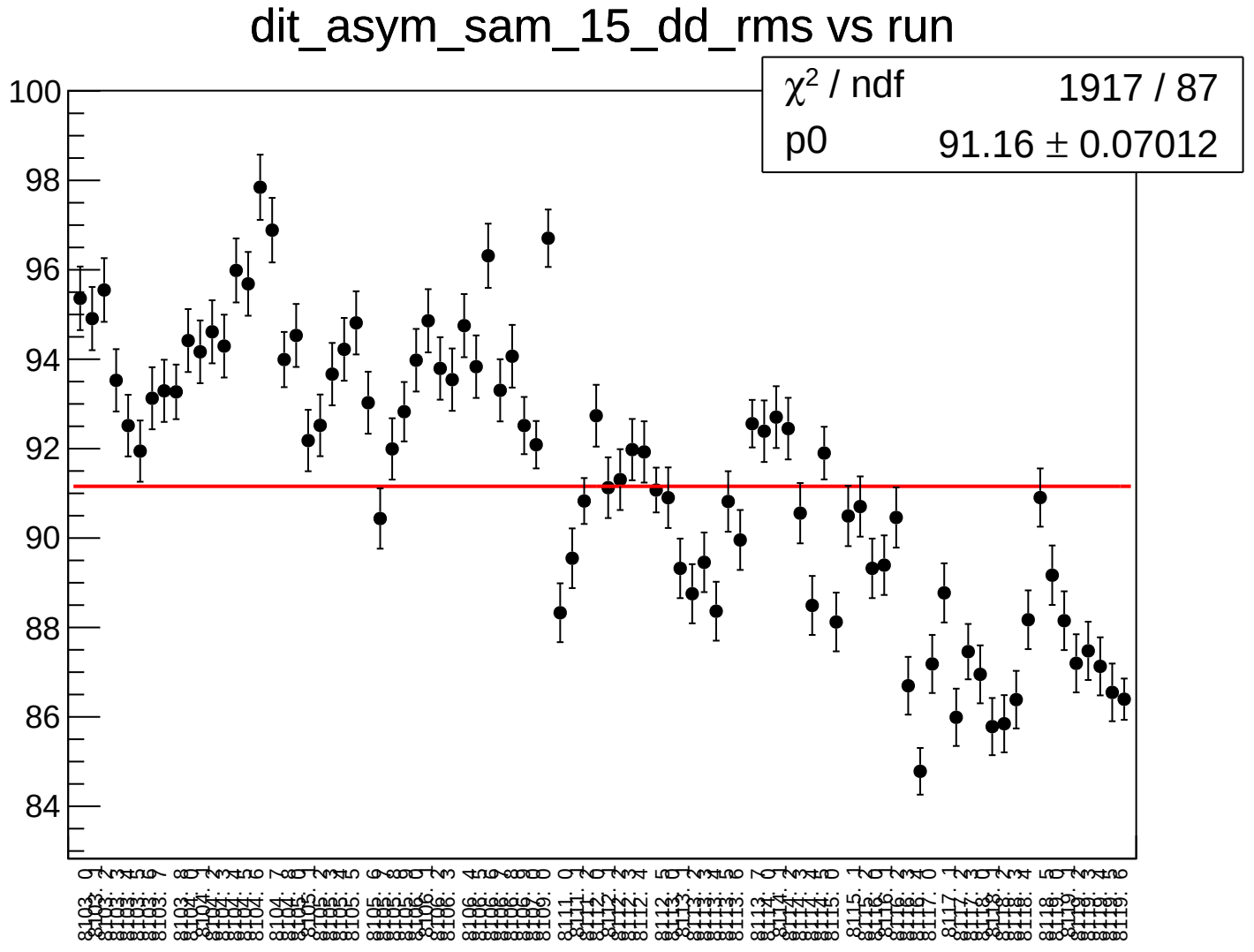

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 89.21 / 87
p0 4843 ± 2421
pull
Entries 88
Mean 497.5
Std Dev 445.6

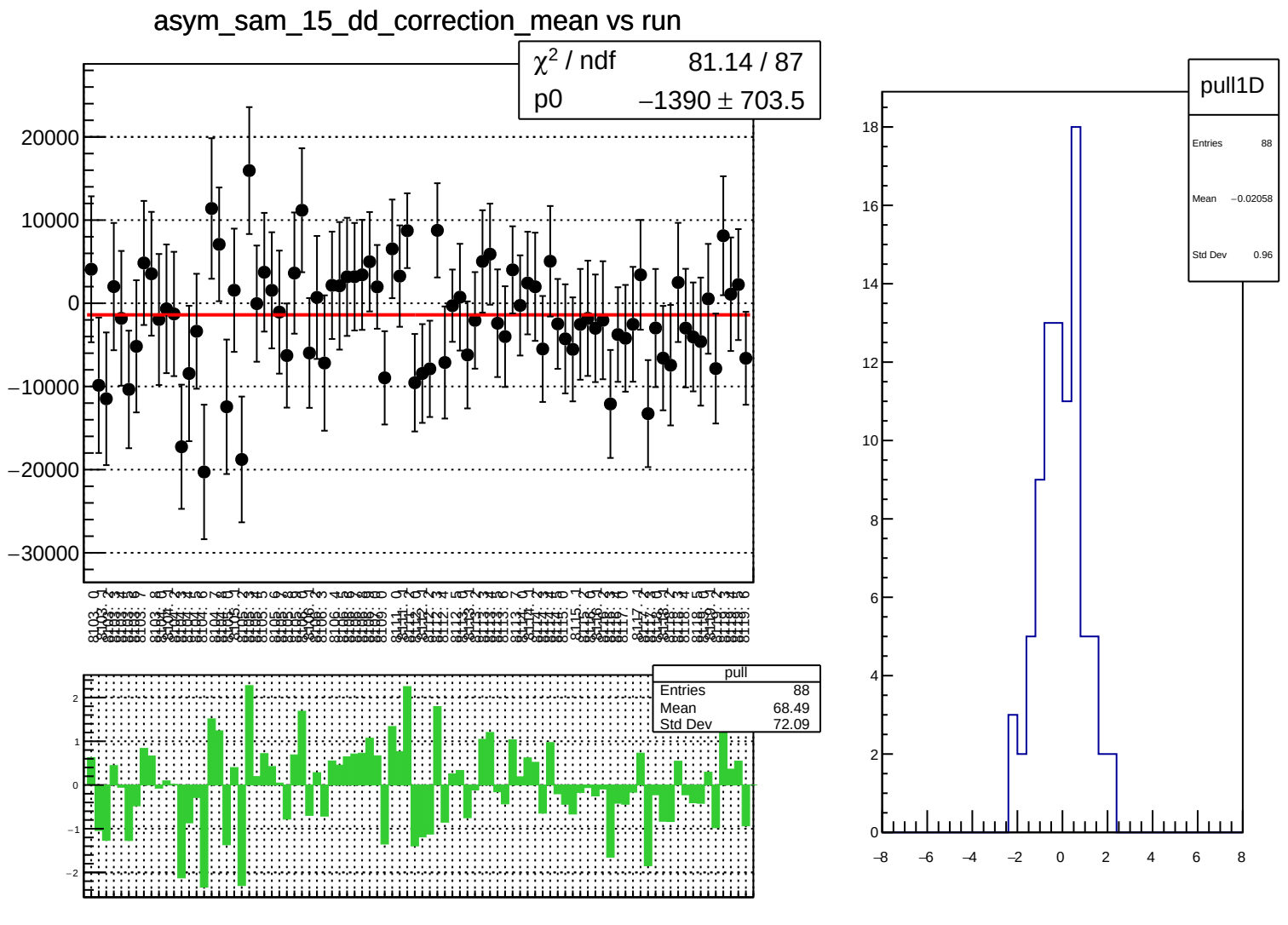

pull1D
Entries 88
Mean 0.009152
Std Dev 1.007

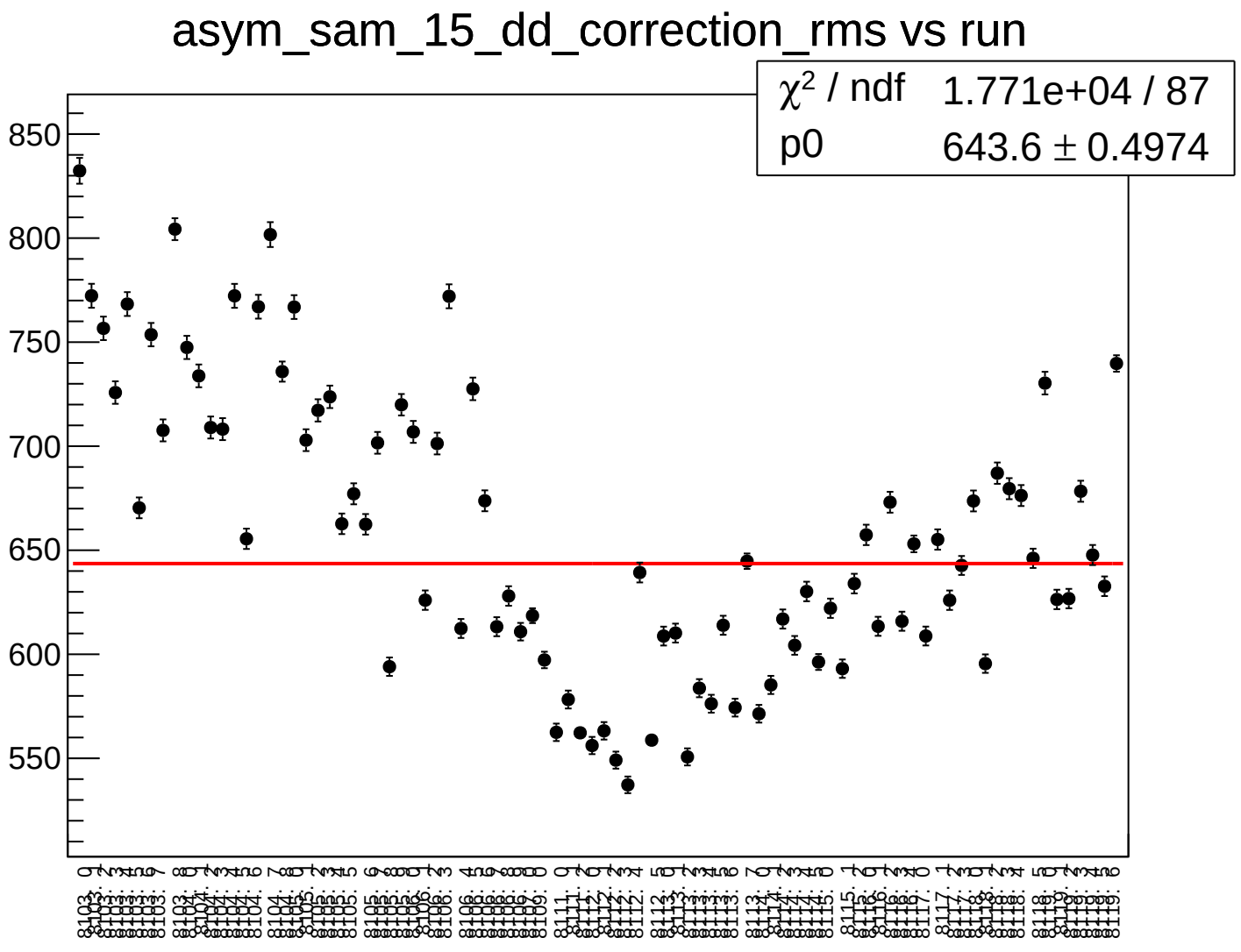

asym_sam_48_avg_rms vs run
χ² / ndf 2406 / 87
p0 2225 ± 1.712
2600
2500
2400
2300
2200
2100
2000

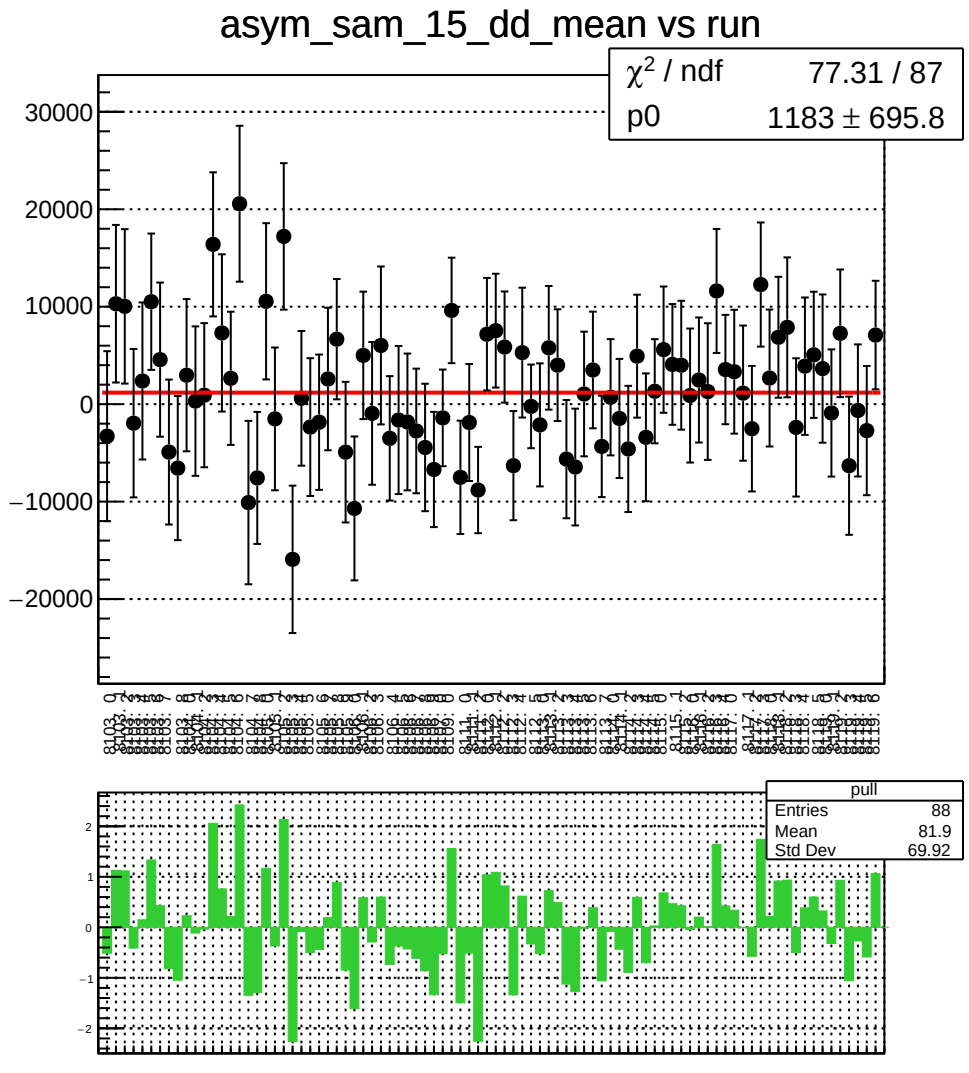

dit_asym_sam_15_dd_mean vs run
χ² / ndf 114.8 / 87
p0 −206.3 ± 99.17
pull
Entries 88
Mean −917.5
Std Dev 977.6

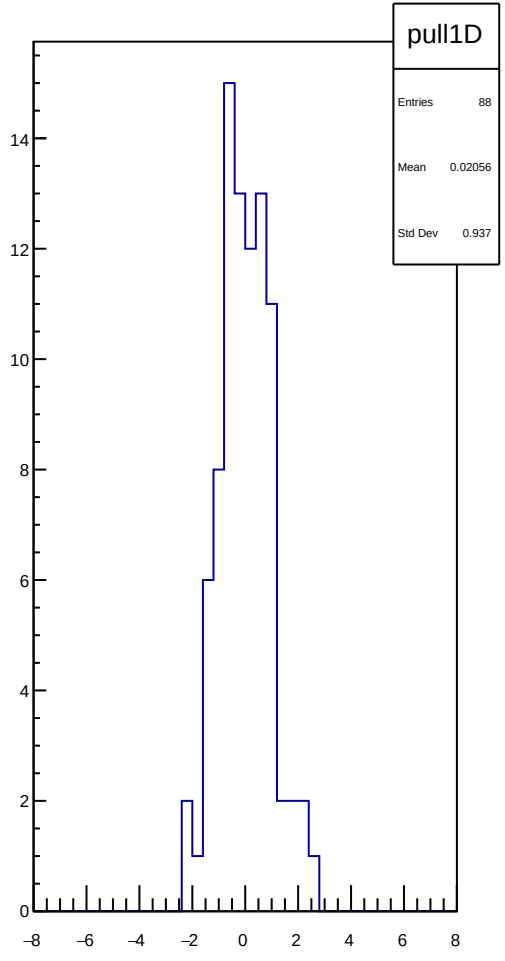

pull1D
Entries 88
Mean −0.002297
Std Dev 1.142

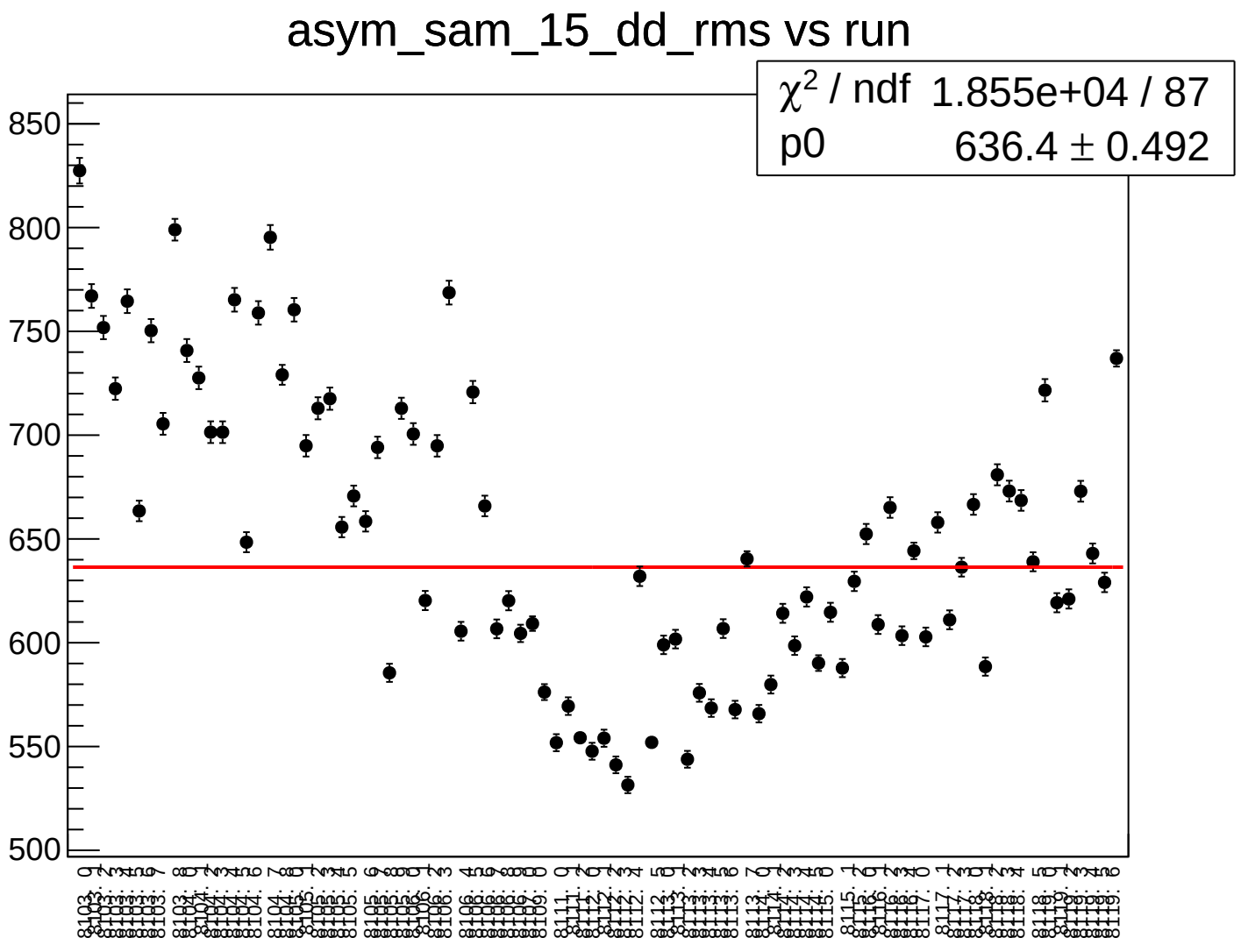

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1917 / 87
p0 91.16 ± 0.07012
100
98
96
94
92
90
88
86
84

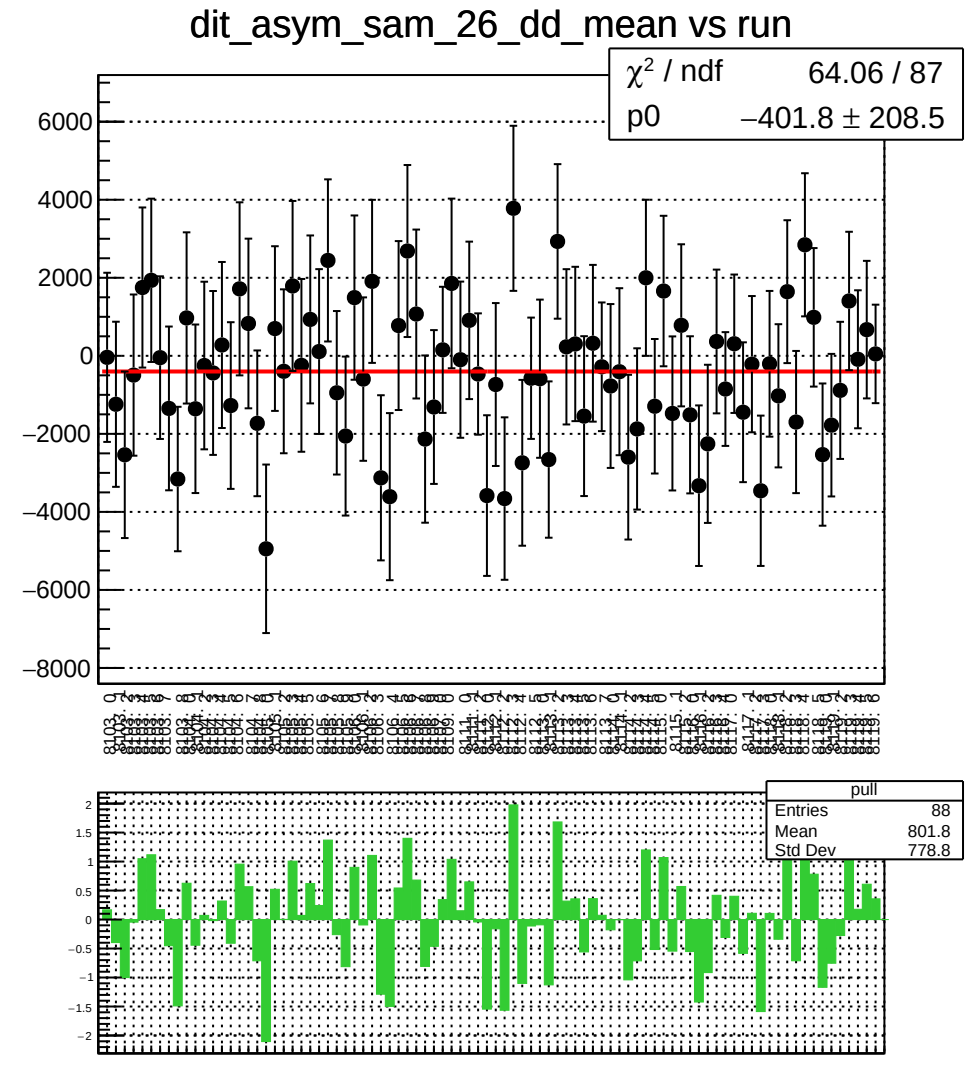

asym_sam_15_dd_correction_mean vs run
χ² / ndf 81.14 / 87
p0 −1390 ± 703.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 68.49
Std Dev 72.09
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.02058
Std Dev 0.96
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

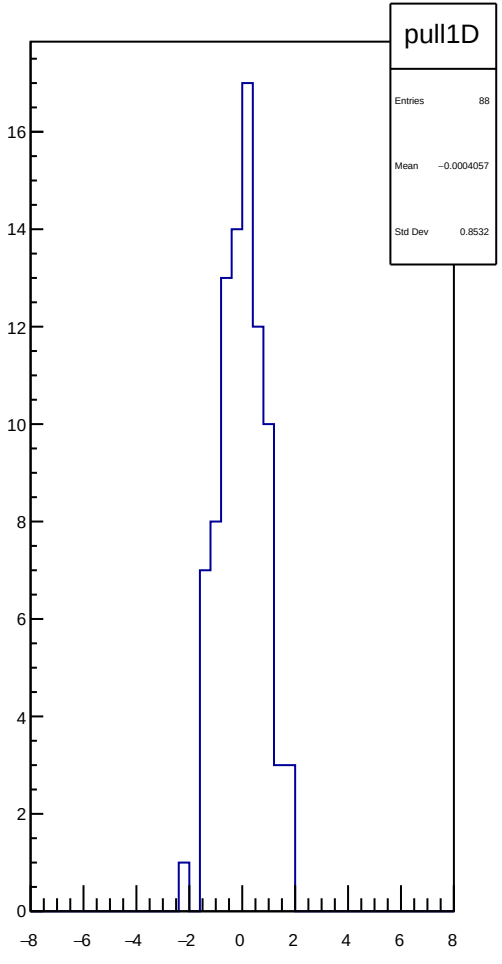

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.771e+04 / 87
p0 643.6 ± 0.4974
850
800
750
700
650
600
550

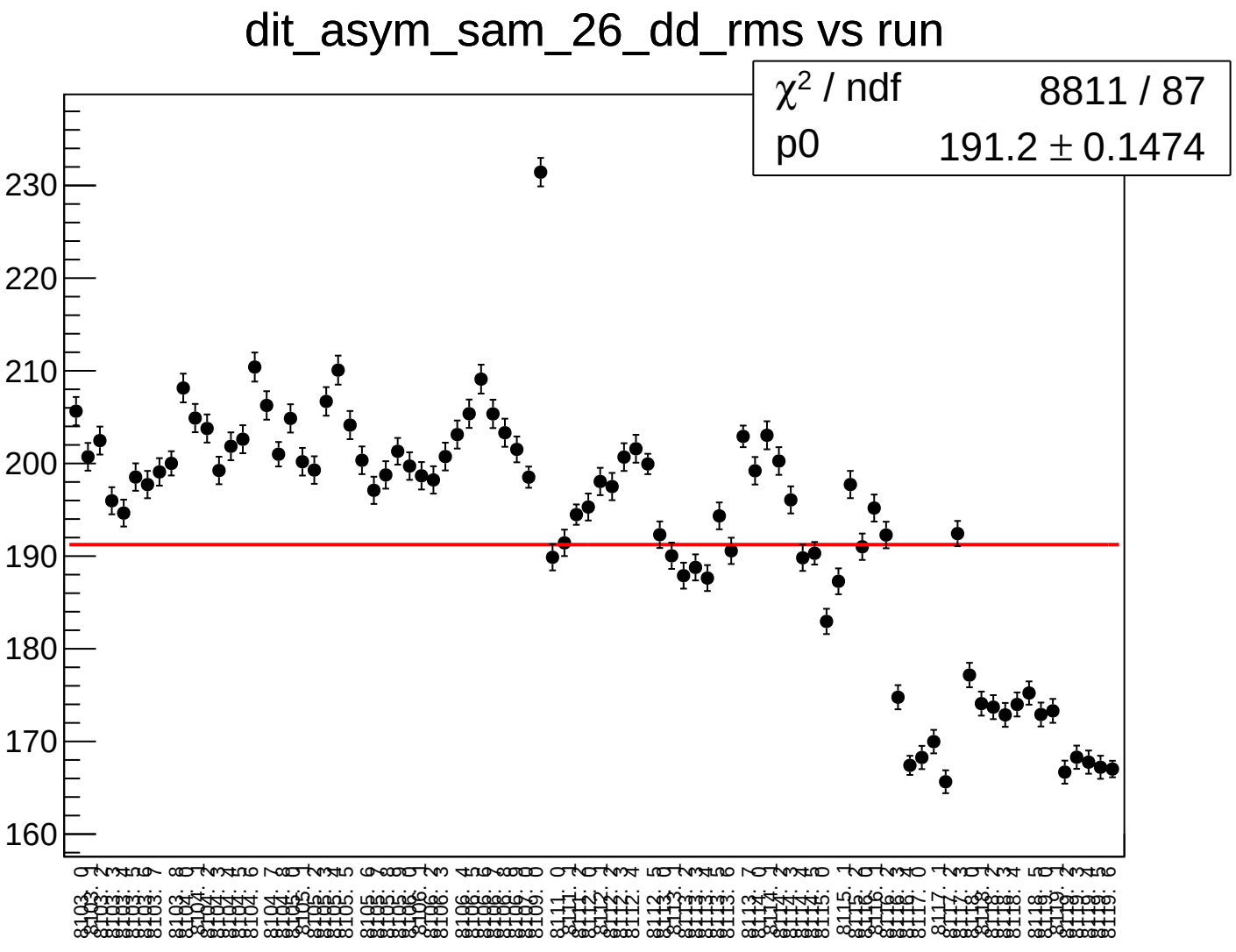

asym_sam_15_dd_mean vs run
χ² / ndf 77.31 / 87
p0 1183 ± 695.8
30000
20000
10000
0
−10000
−20000
pull
Entries 88
Mean 81.9
Std Dev 69.92
2
1
0
−1
−2

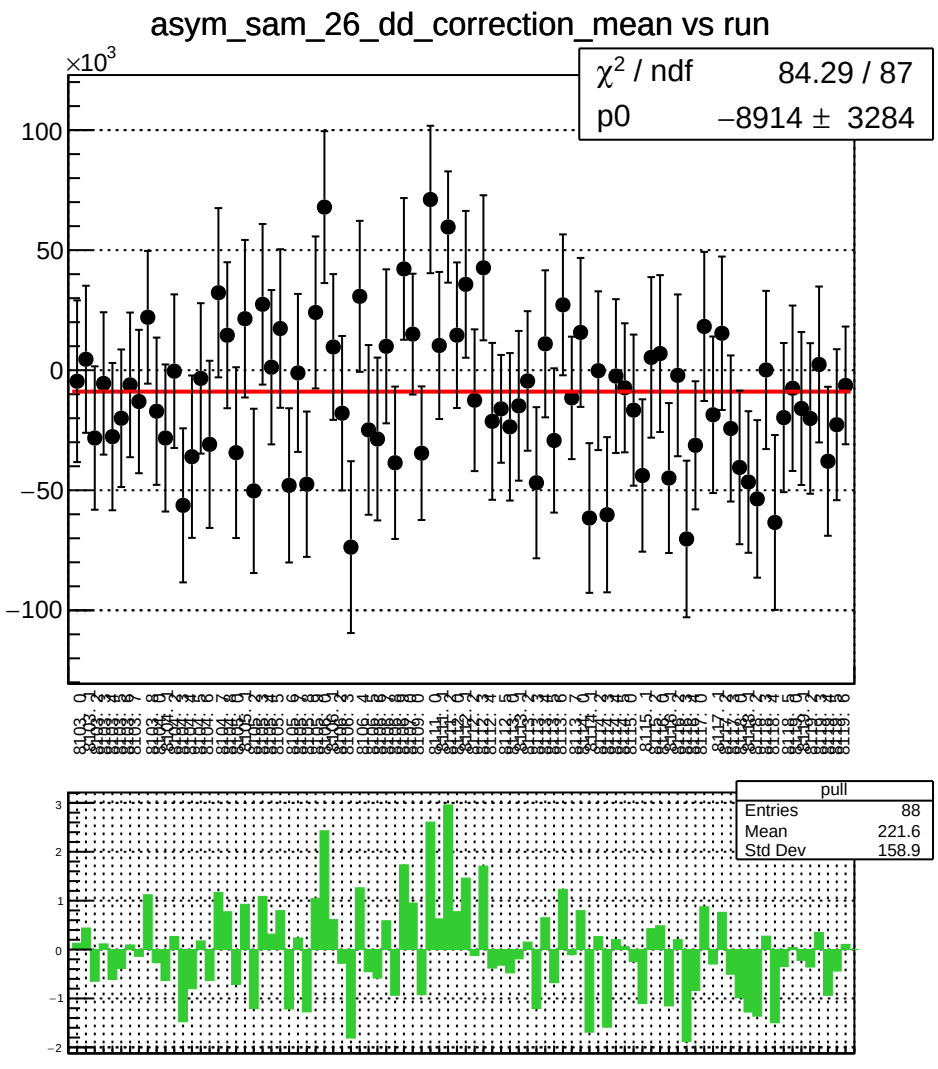

pull1D
Entries 88
Mean 0.02056
Std Dev 0.937
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

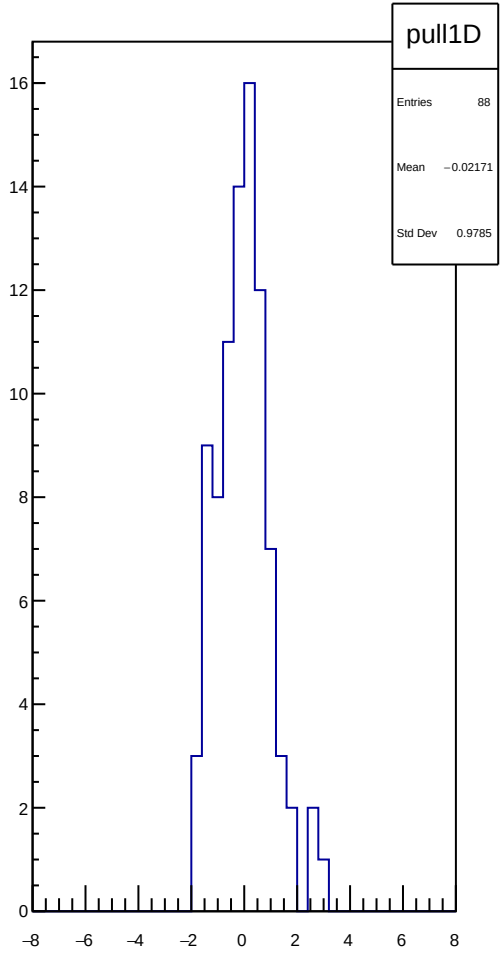

asym_sam_15_dd_rms vs run
χ^2 / ndf 1.855e+04 / 87
p0 636.4 ± 0.492
850
800
750
700
650
600
550
500

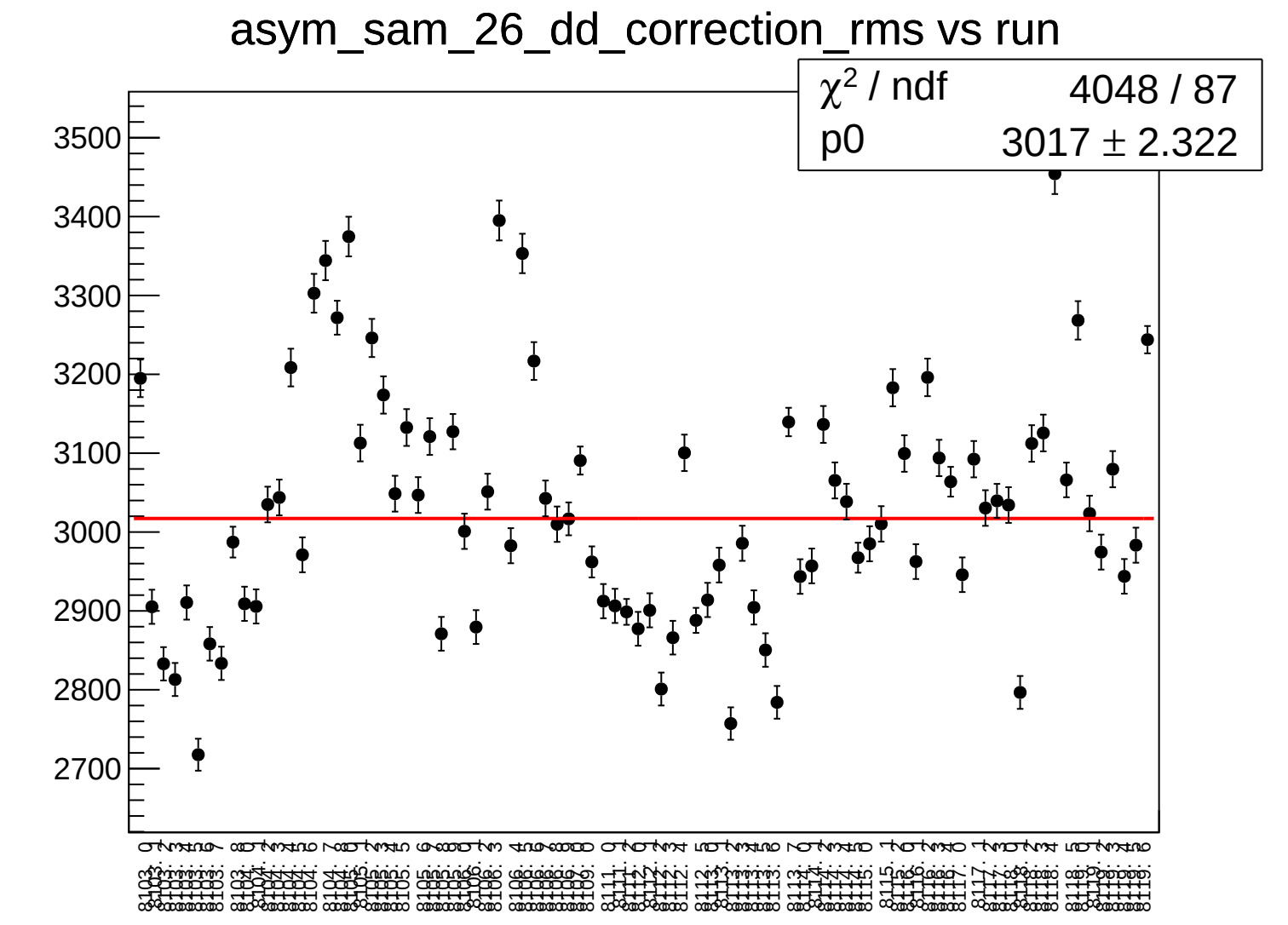

dit_asym_sam_26_dd_mean vs run
χ² / ndf 64.06 / 87
p0 −401.8 ± 208.5
pull
Entries 88
Mean 801.8
Std Dev 778.8

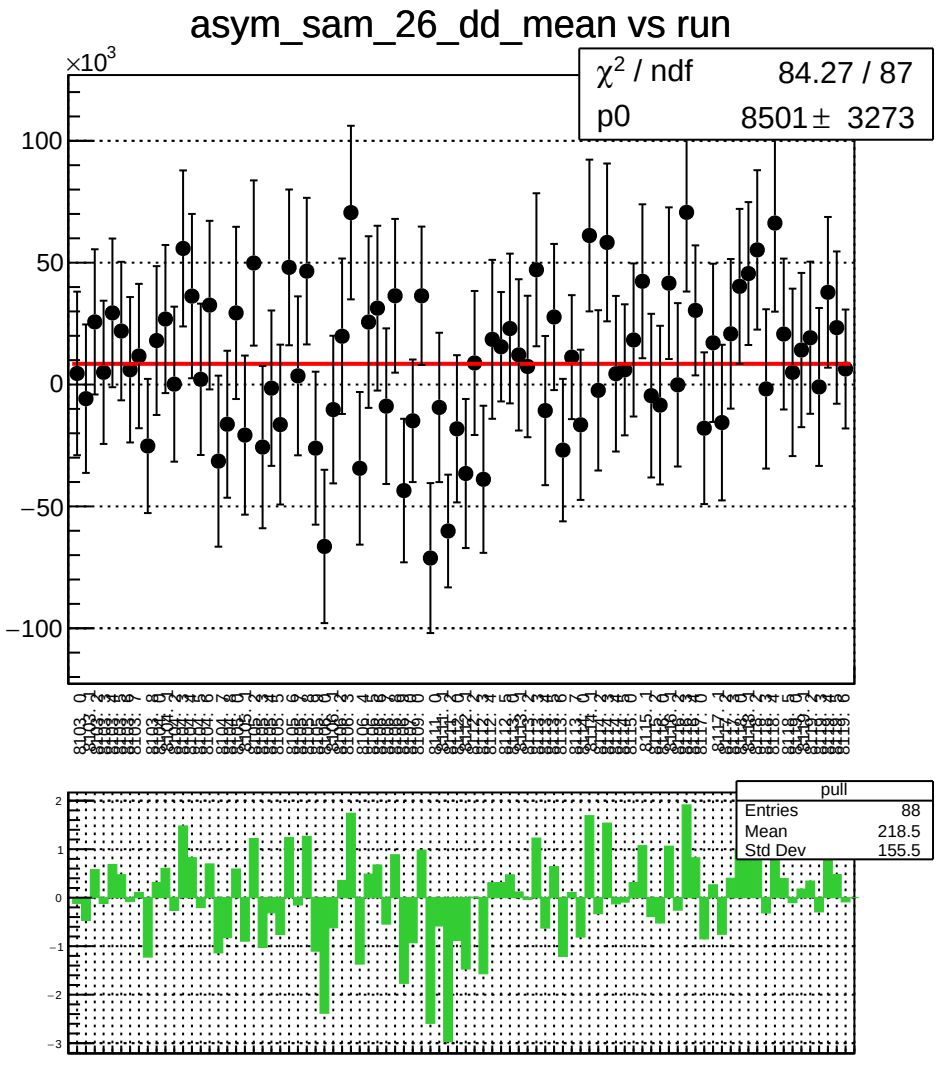

pull1D
Entries 88
Mean −0.0004057
Std Dev 0.8532

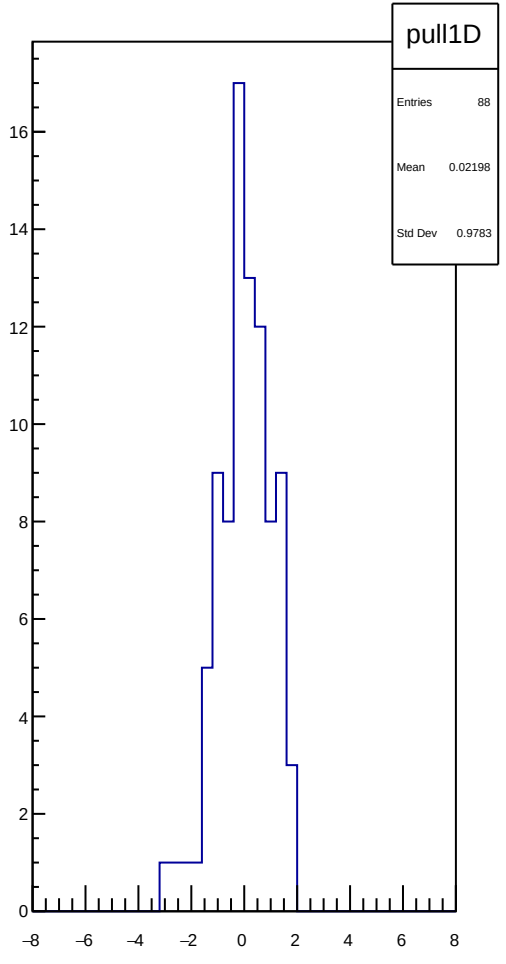

dit_asym_sam_26_dd_rms vs run
χ² / ndf 8811 / 87
p0 191.2 ± 0.1474
230
220
210
200
190
180
170
160

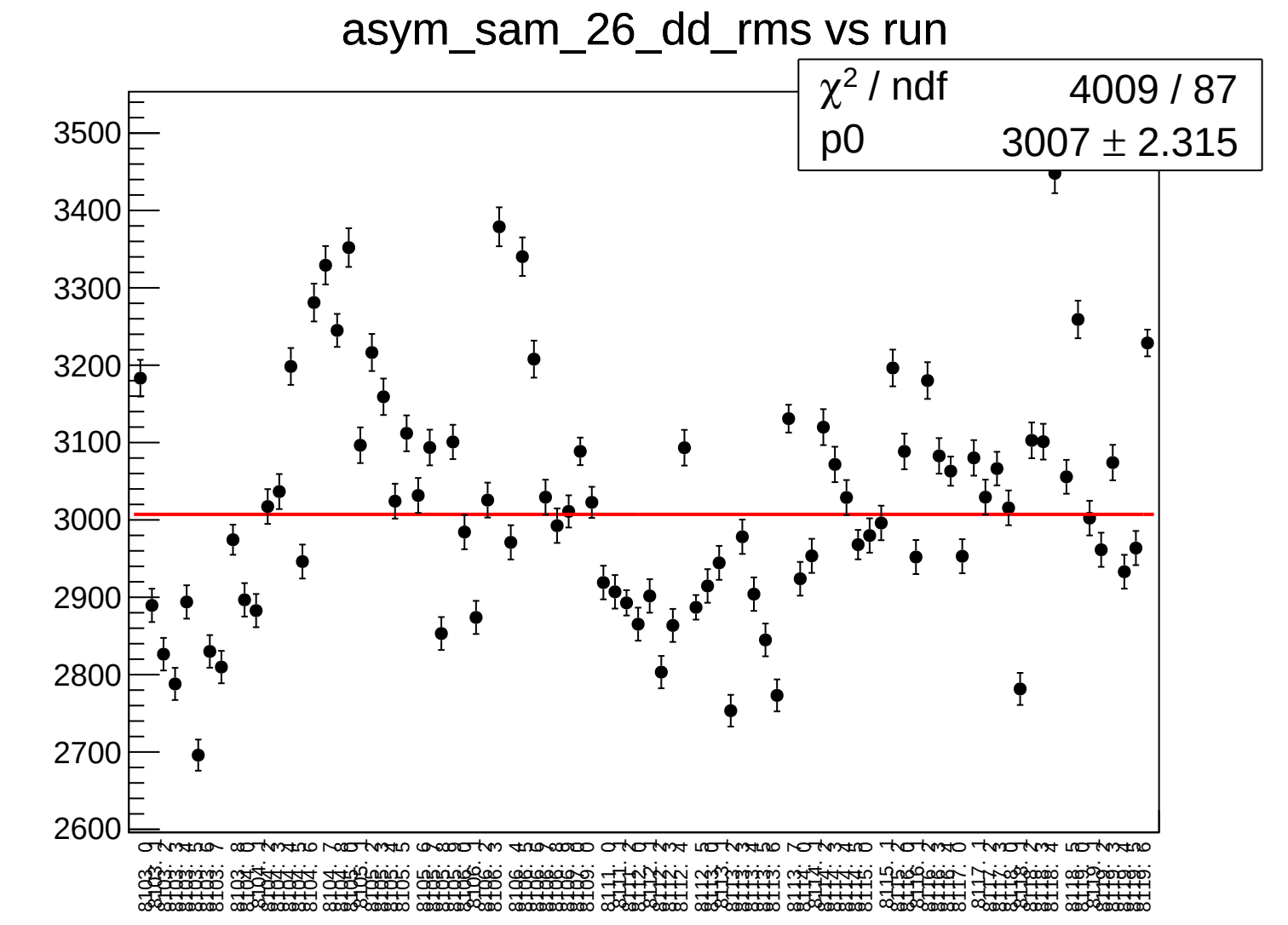

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 84.29 / 87
p0 −8914 ± 3284
100
50
0
−50
−100
pull
Entries 88
Mean 221.6
Std Dev 158.9
3
2
1
0
−1
−2

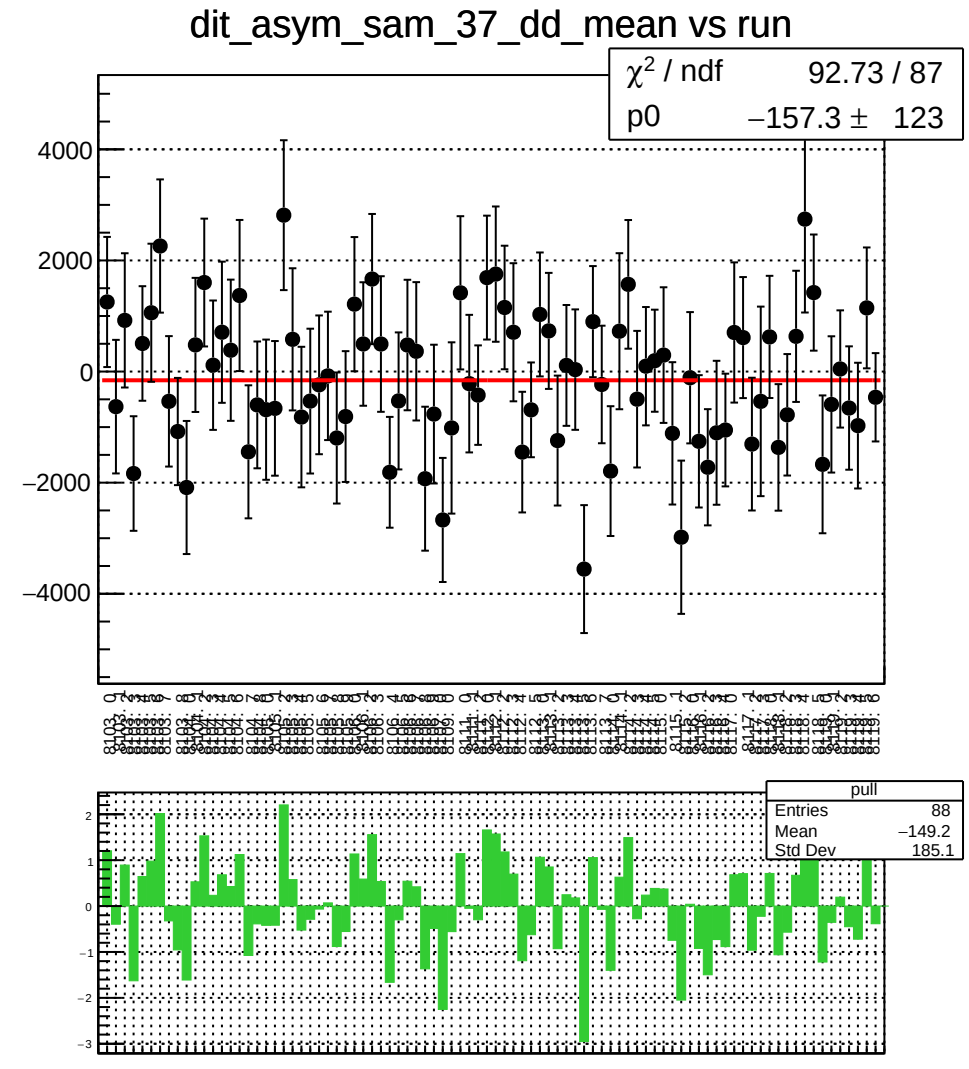

pull1D
Entries 88
Mean −0.02171
Std Dev 0.9785
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

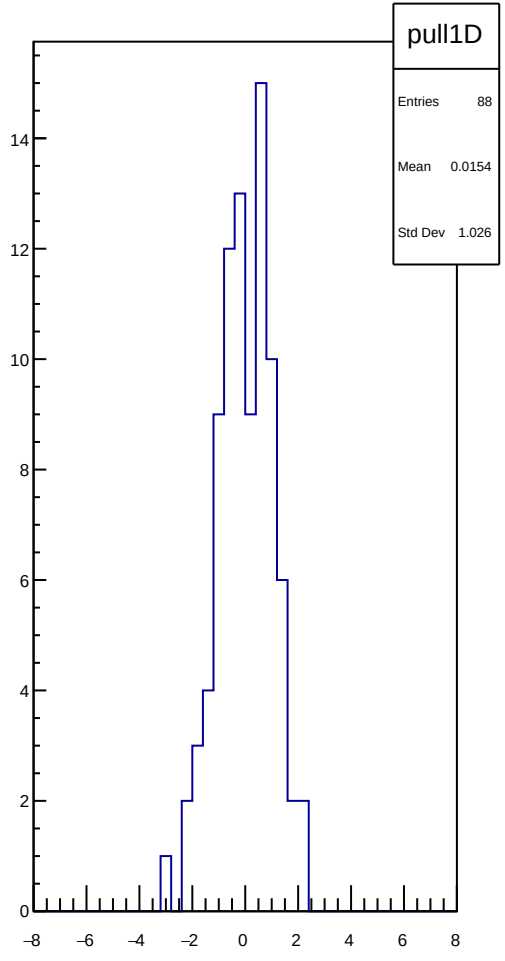

asym_sam_26_dd_correction_rms vs run
χ² / ndf 4048 / 87
p0 3017 ± 2.322
3500
3400
3300
3200
3100
3000
2900
2800
2700


asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 84.27 / 87
p0 8501 ± 3273
100
50
0
−50
−100
pull
Entries 88
Mean 218.5
Std Dev 155.5
2
1
0
−1
−2
−3

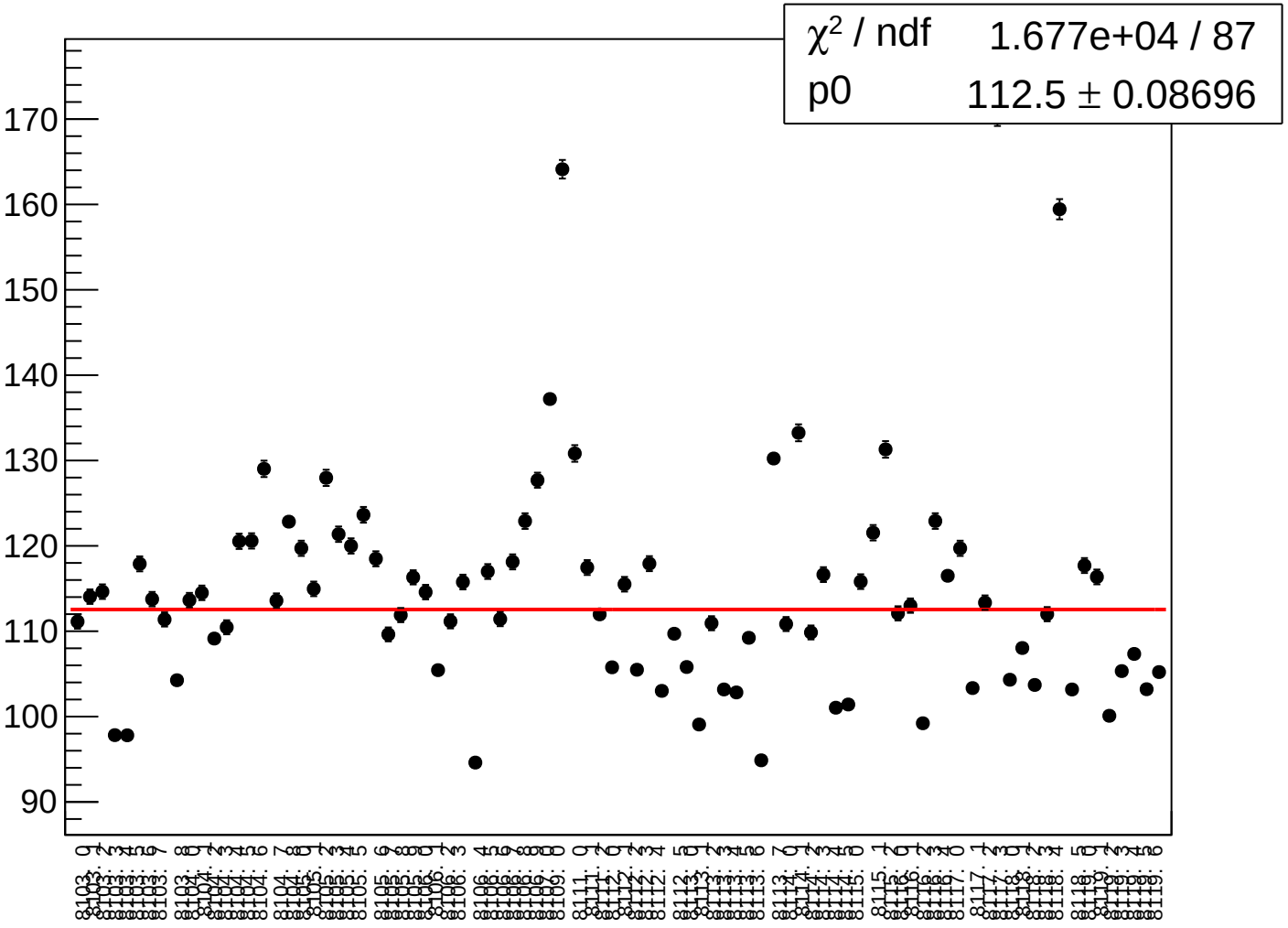

pull1D
Entries 88
Mean 0.02198
Std Dev 0.9783
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

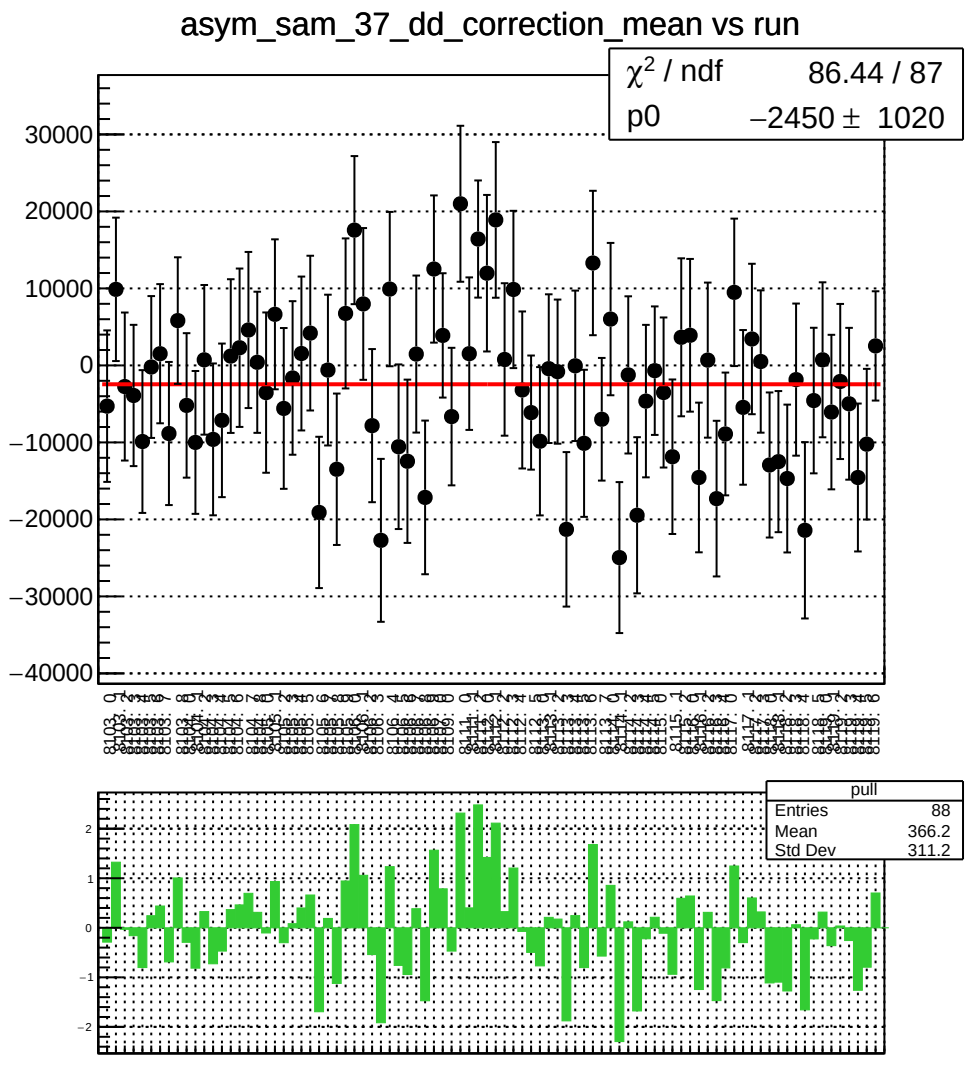

asym_sam_26_dd_rms vs run
χ² / ndf 4009 / 87
p0 3007 ± 2.315
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600

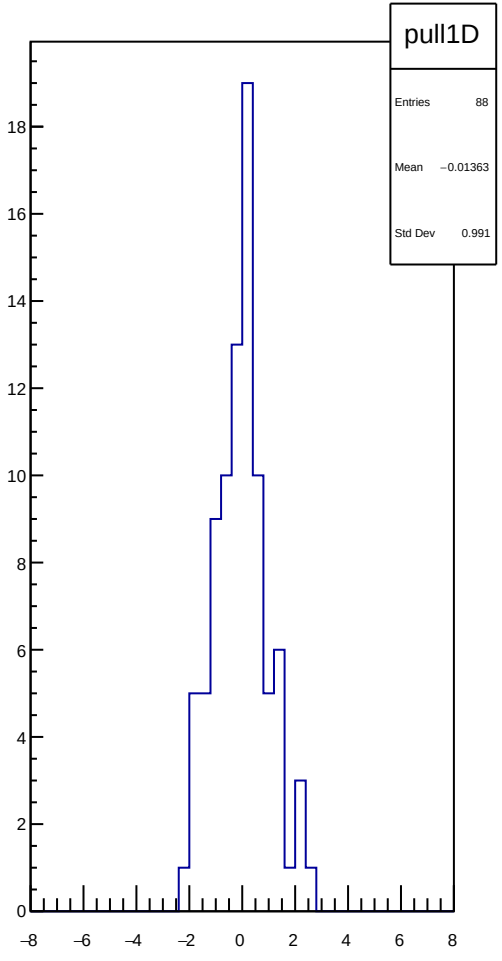

dit_asym_sam_37_dd_mean vs run
χ² / ndf 92.73 / 87
p0 −157.3 ± 123
4000
2000
0
−2000
−4000
pull
Entries 88
Mean −149.2
Std Dev 185.1
2
1
0
−1
−2
−3

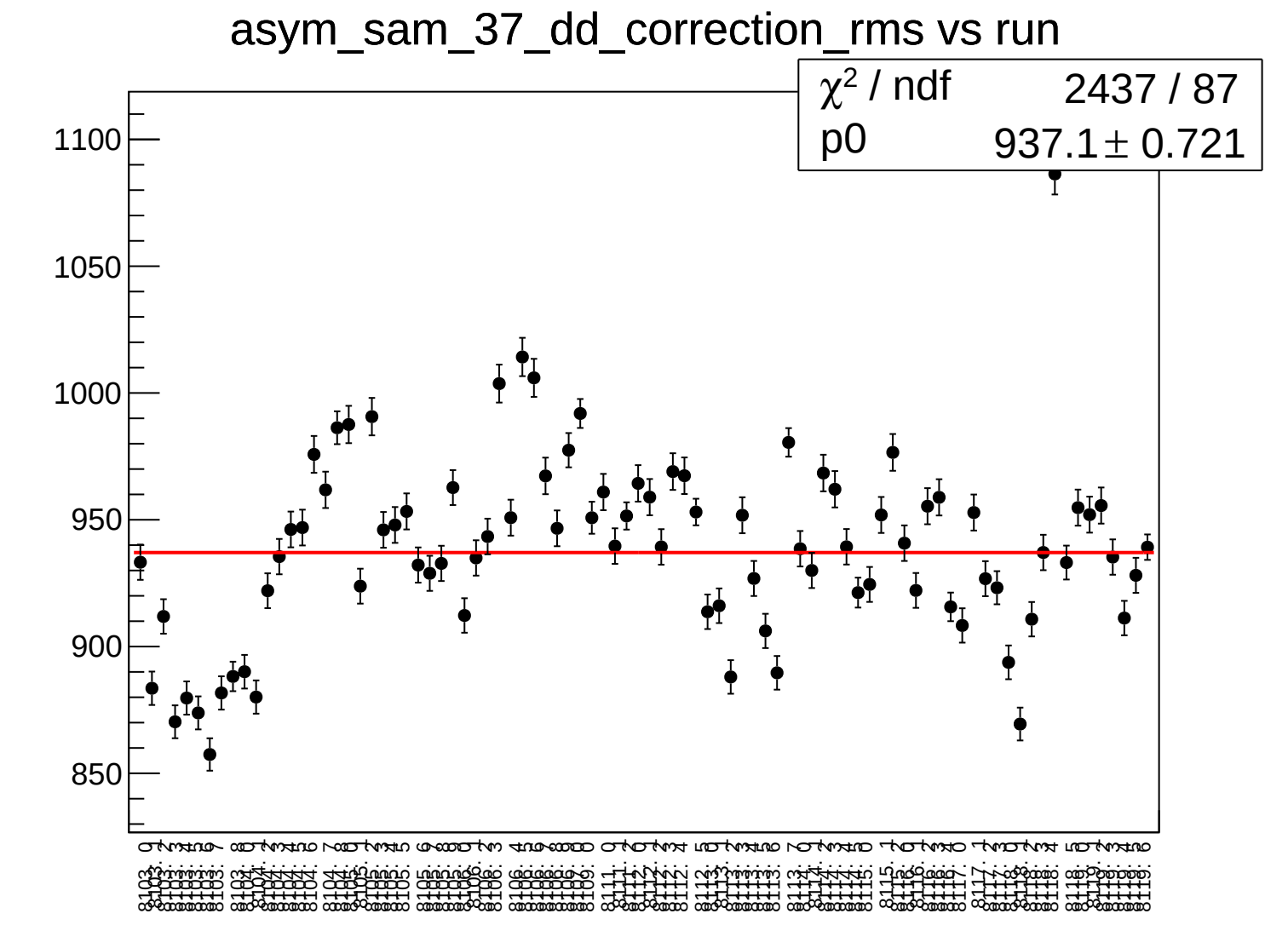

pull1D
Entries 88
Mean 0.0154
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

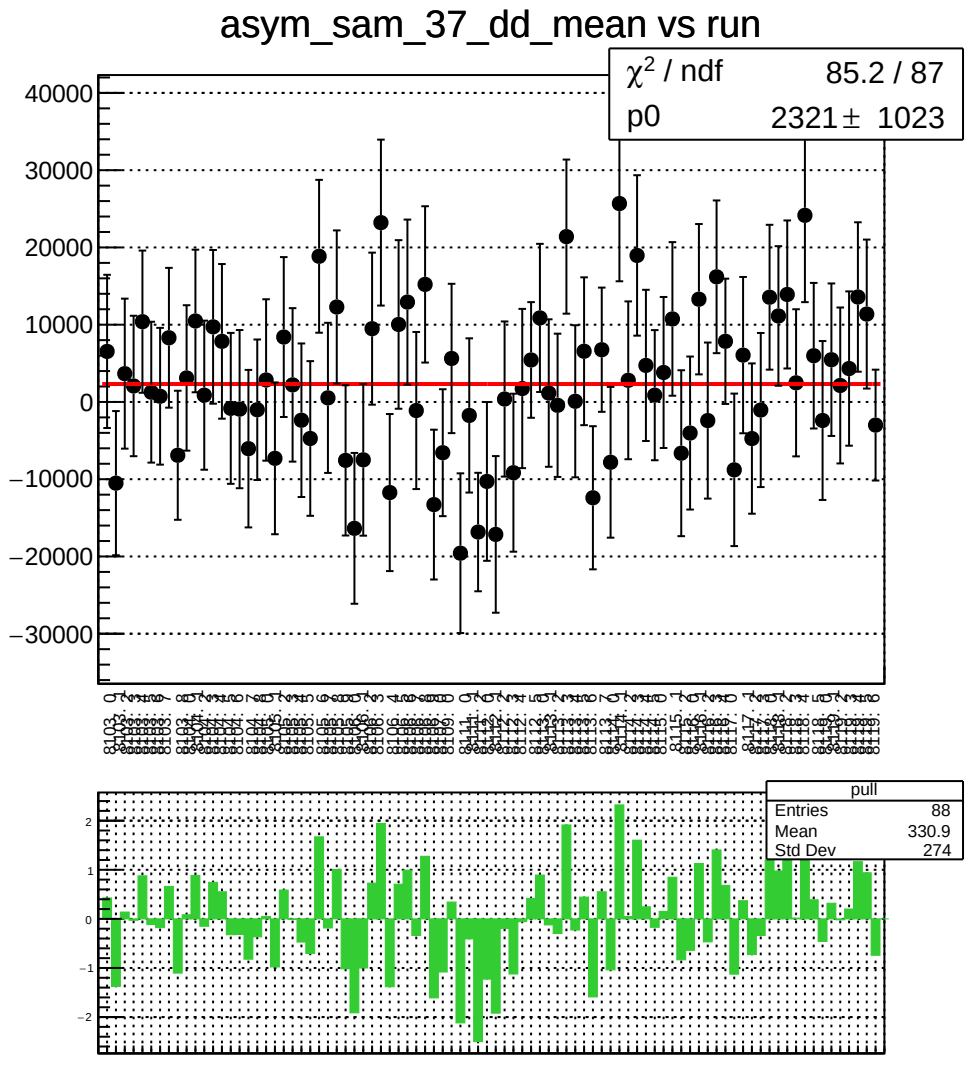
dit_asym_sam_37_dd_rms vs run

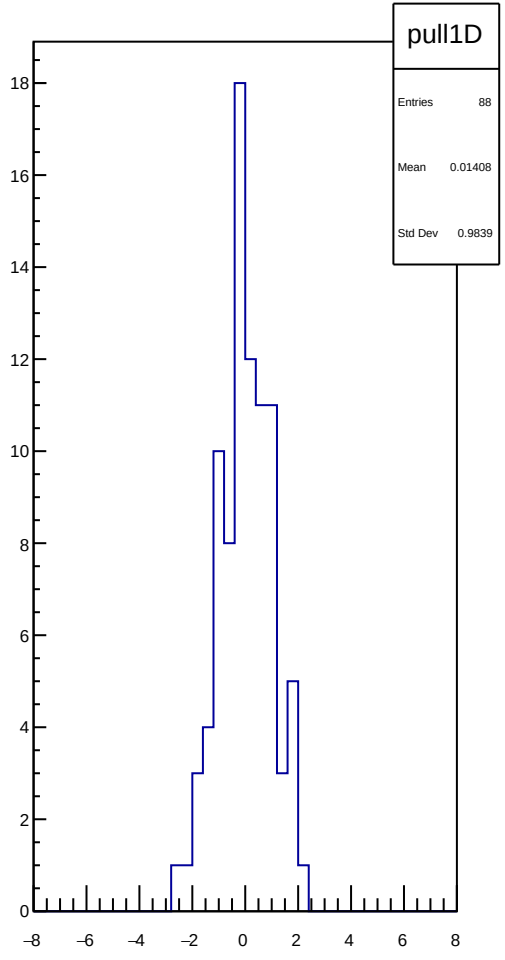


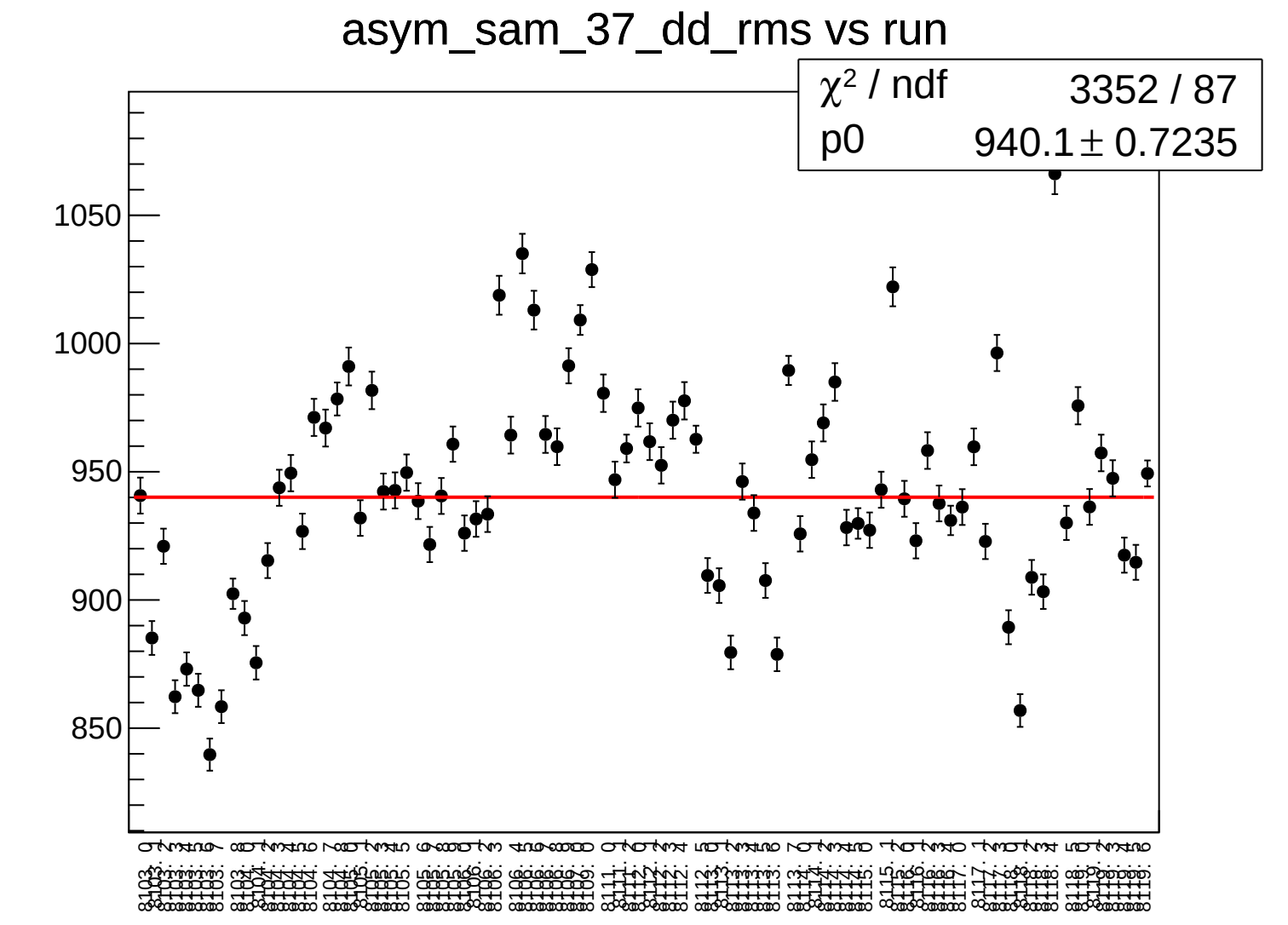

asym_sam_37_dd_correction_mean vs run
χ² / ndf 86.44 / 87
p0 −2450 ± 1020
pull
Entries 88
Mean 366.2
Std Dev 311.2

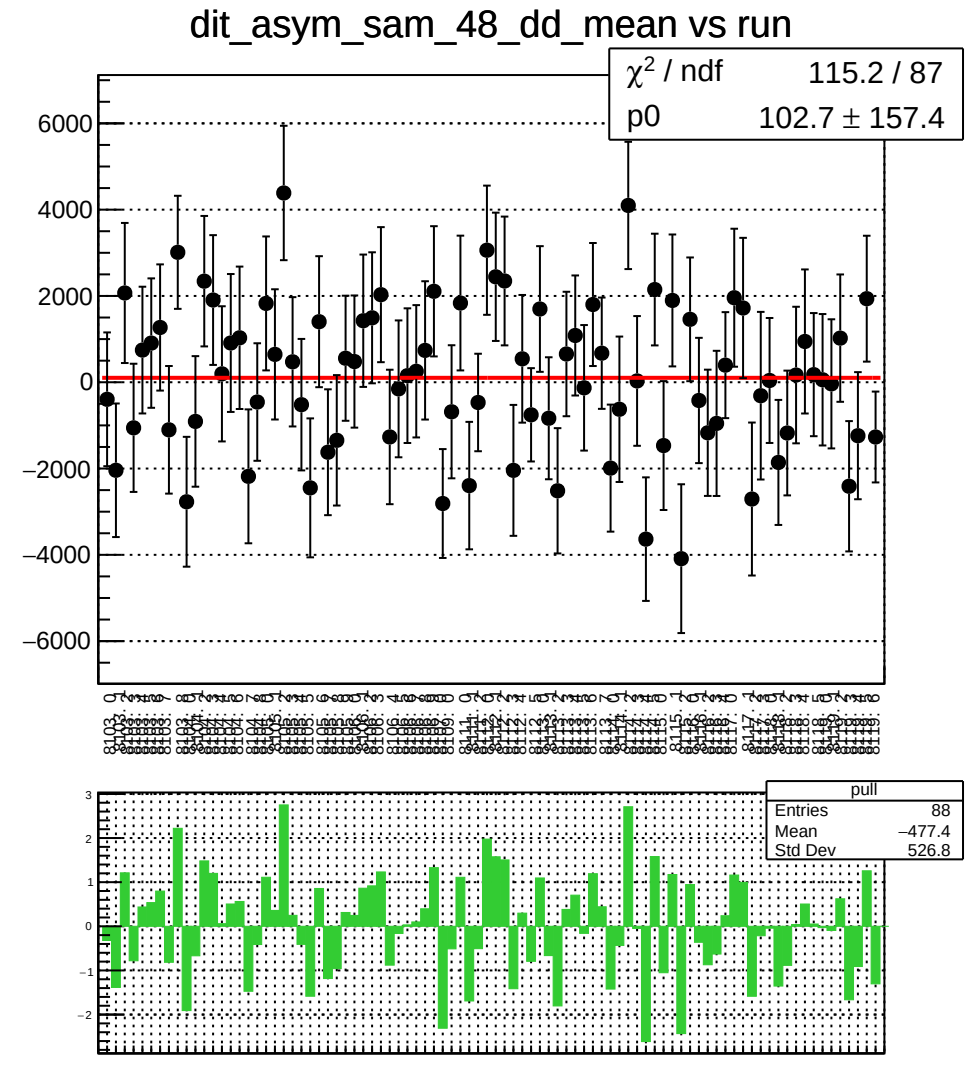

pull1D
Entries 88
Mean −0.01363
Std Dev 0.991

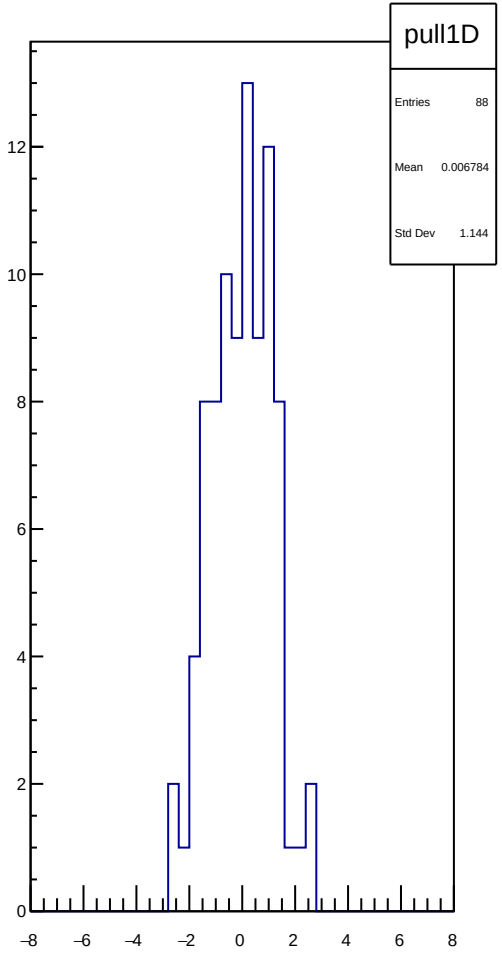

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2437 / 87
p0 937.1 ± 0.721
1100
1050
1000
950
900
850

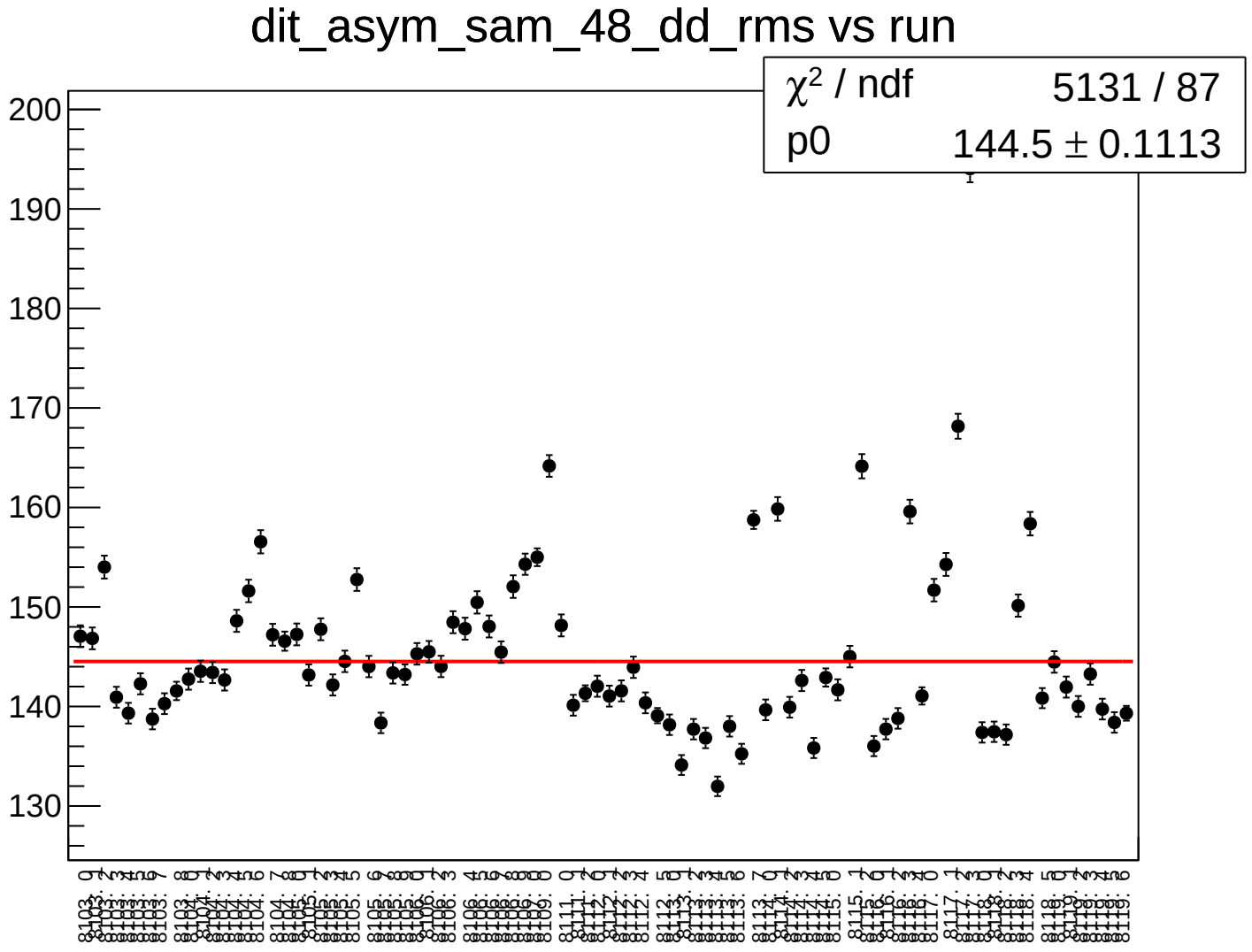

asym_sam_37_dd_mean vs run
χ² / ndf 85.2 / 87
p0 2321 ± 1023
pull
Entries 88
Mean 330.9
Std Dev 274

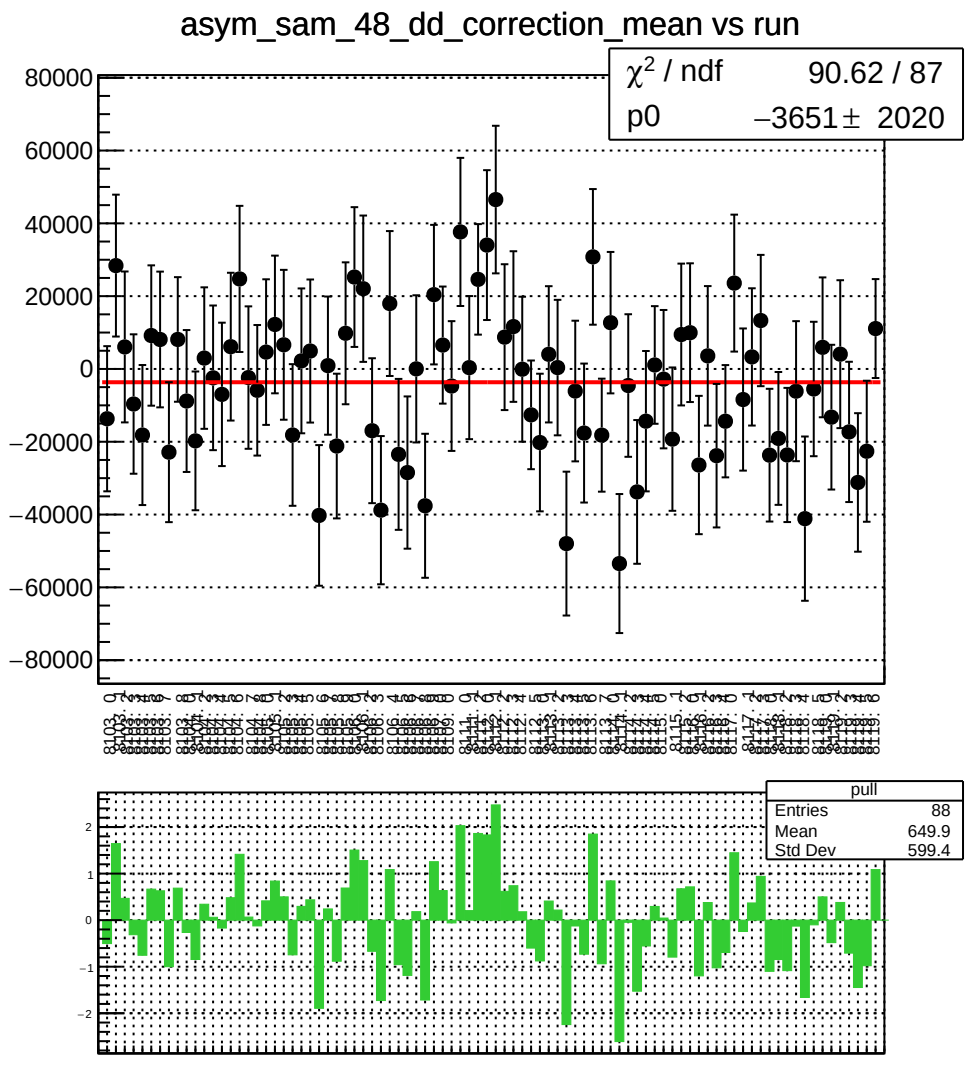

pull1D
Entries 88
Mean 0.01408
Std Dev 0.9839

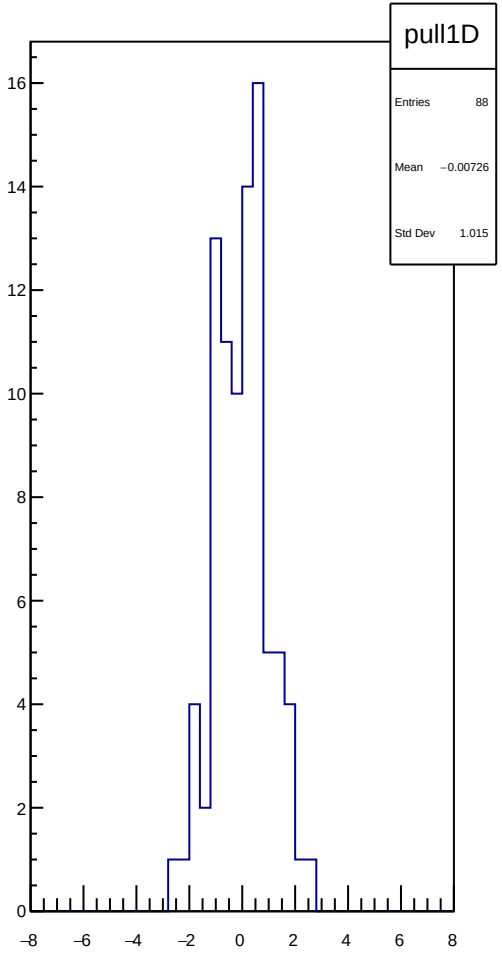

asym_sam_37_dd_rms vs run
χ² / ndf 3352 / 87
p0 940.1 ± 0.7235
1050
1000
950
900
850

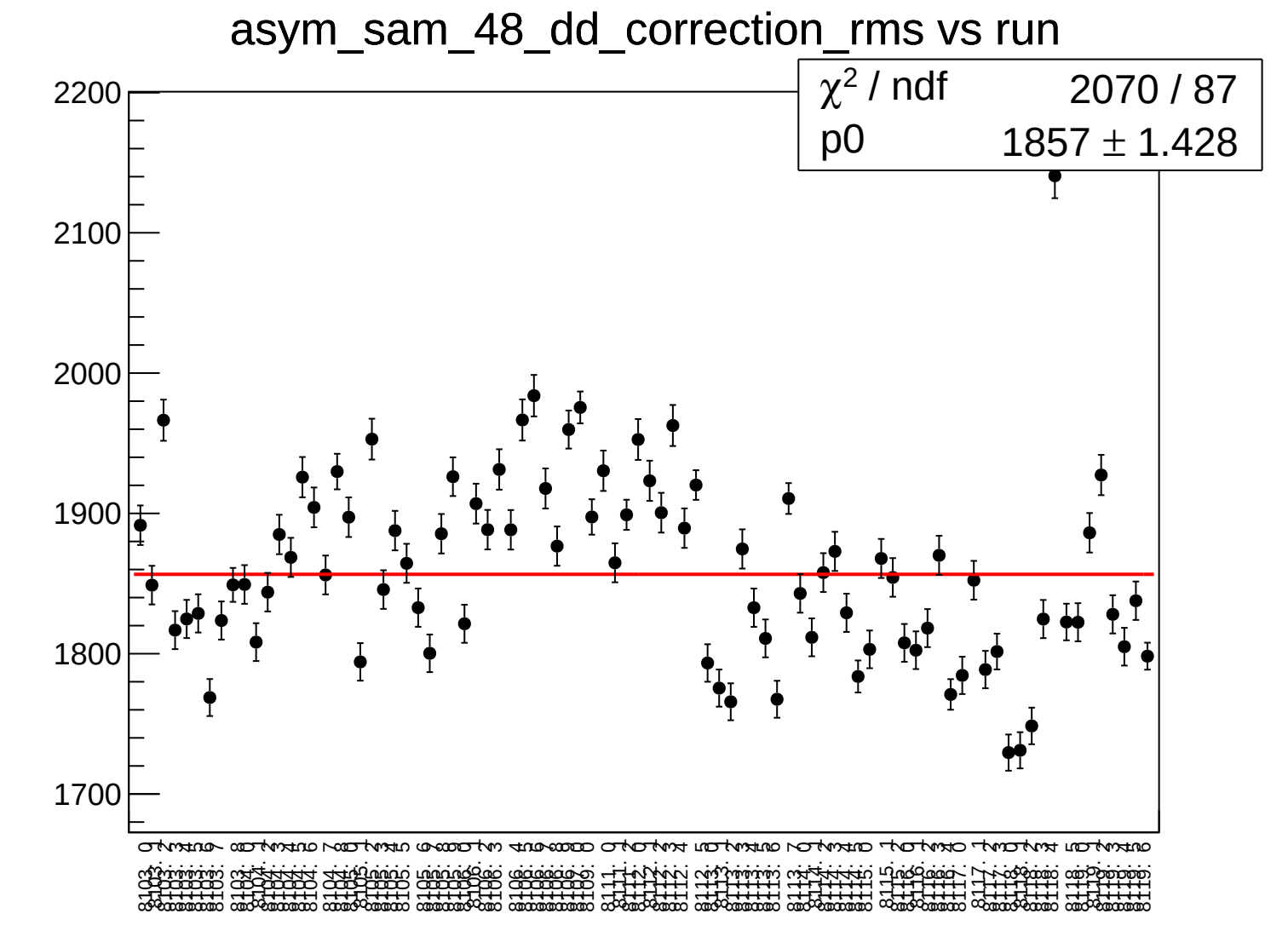

dit_asym_sam_48_dd_mean vs run
χ² / ndf 115.2 / 87
p0 102.7 ± 157.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −477.4
Std Dev 526.8
3
2
1
0
−1
−2

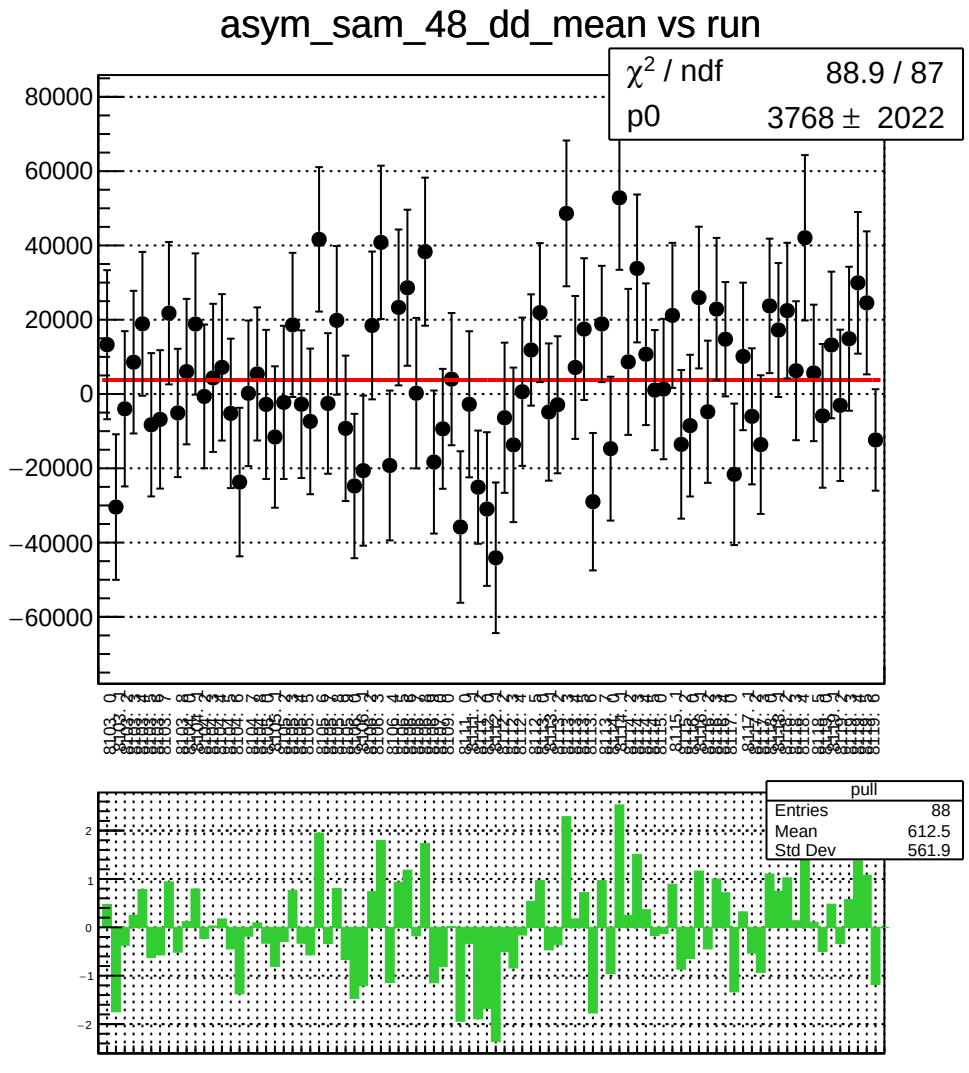

pull1D
Entries 88
Mean 0.006784
Std Dev 1.144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

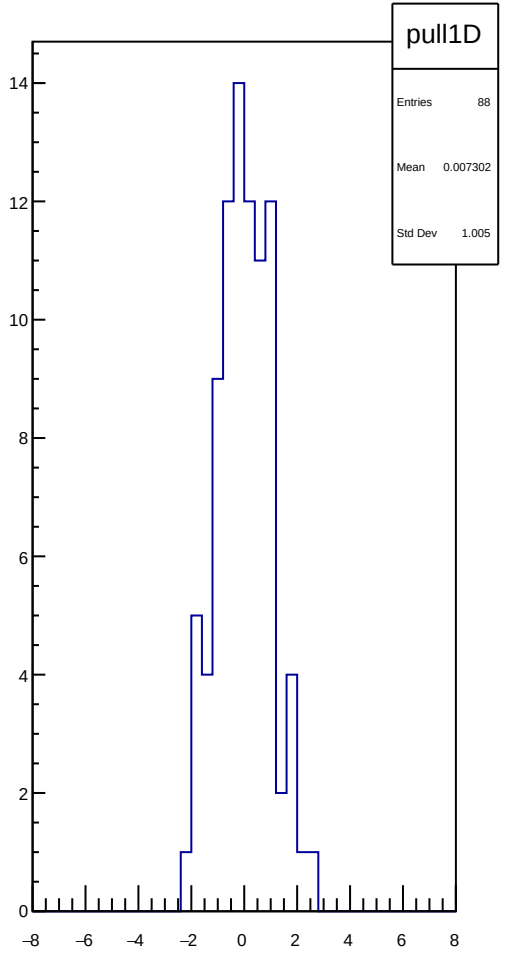

dit_asym_sam_48_dd_rms vs run
χ² / ndf 5131 / 87
p0 144.5 ± 0.1113
200
190
180
170
160
150
140
130

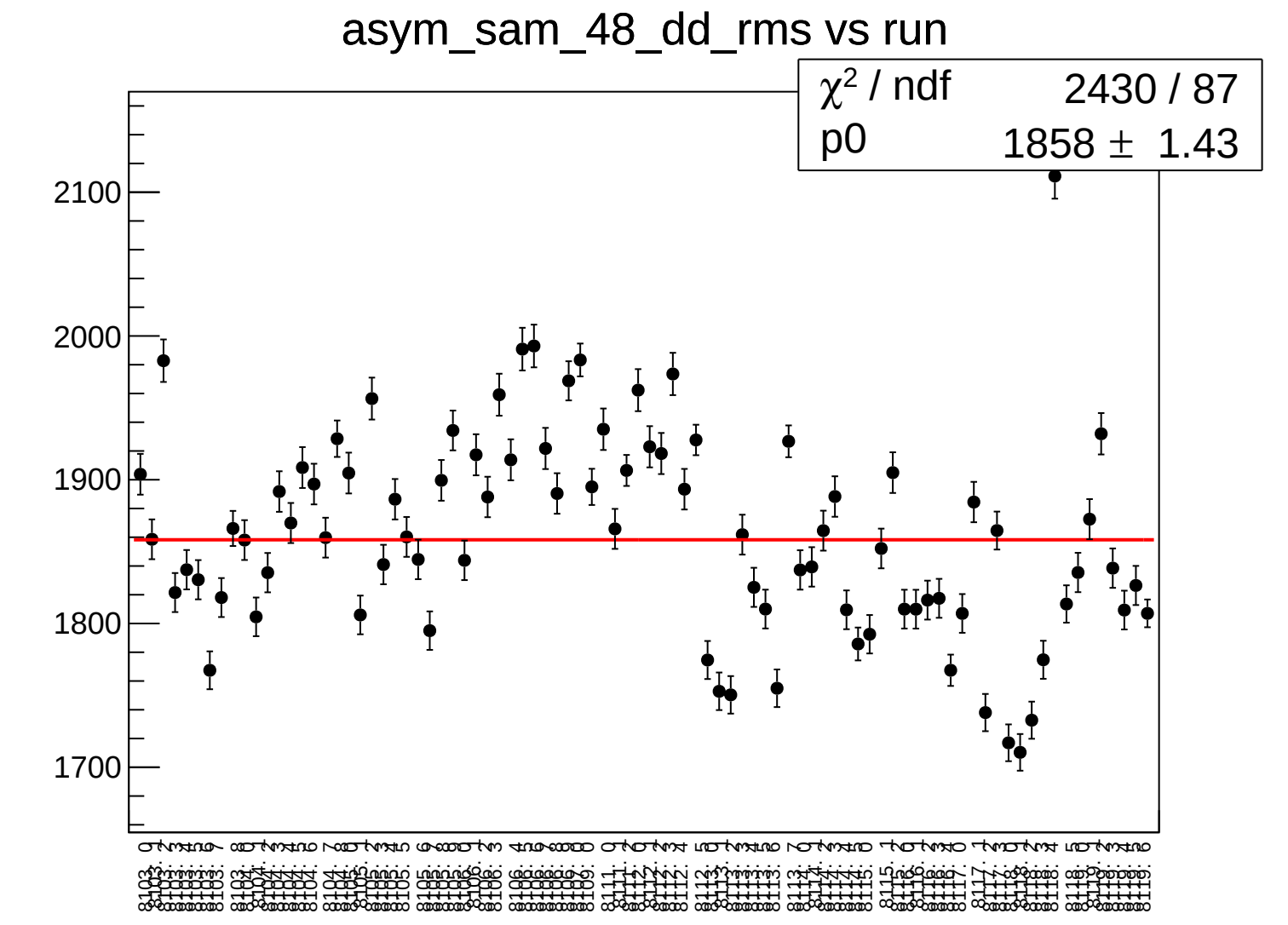

asym_sam_48_dd_correction_mean vs run
χ² / ndf 90.62 / 87
p0 −3651 ± 2020
pull
Entries 88
Mean 649.9
Std Dev 599.4

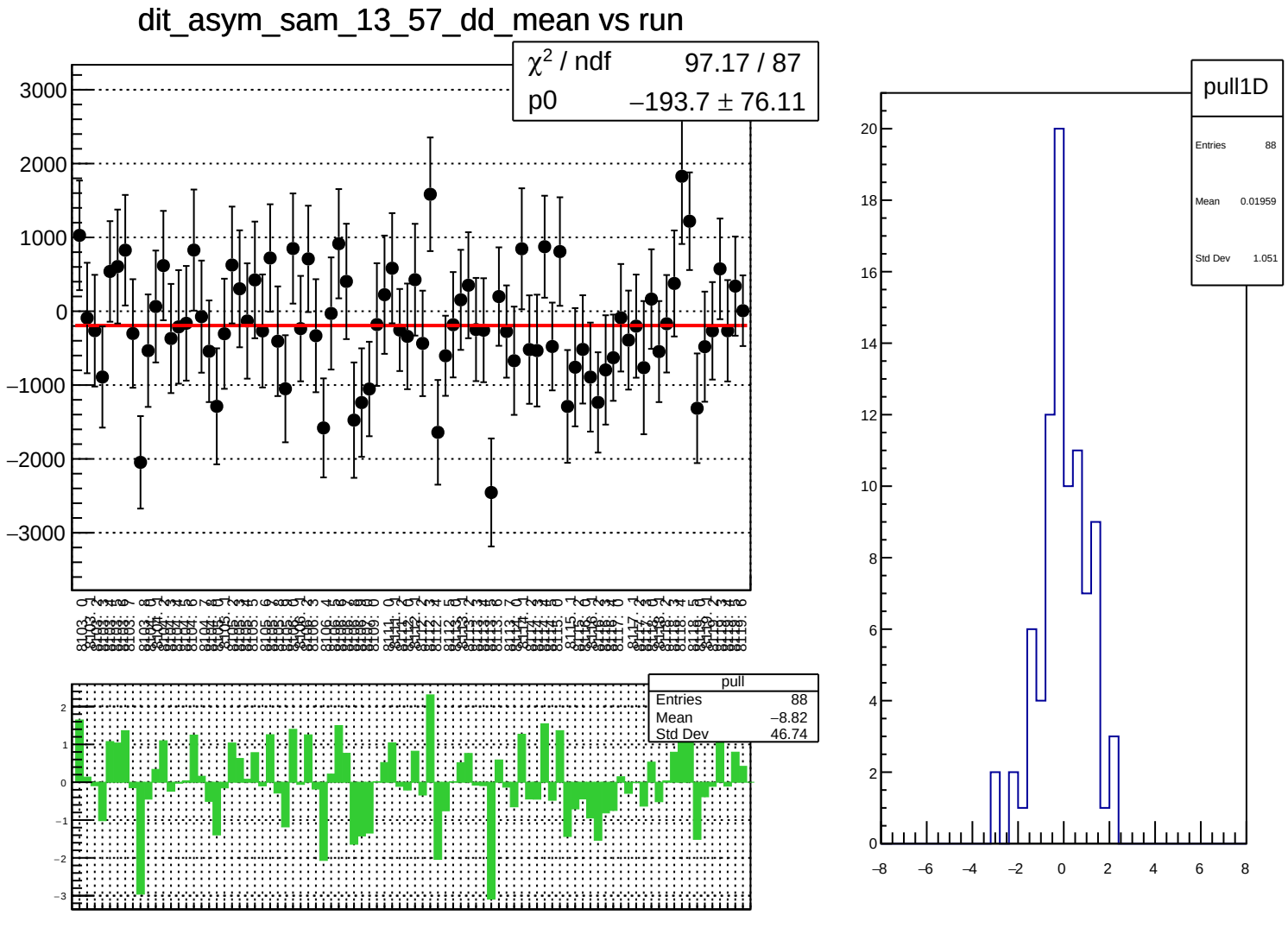

pull1D
Entries 88
Mean −0.00726
Std Dev 1.015

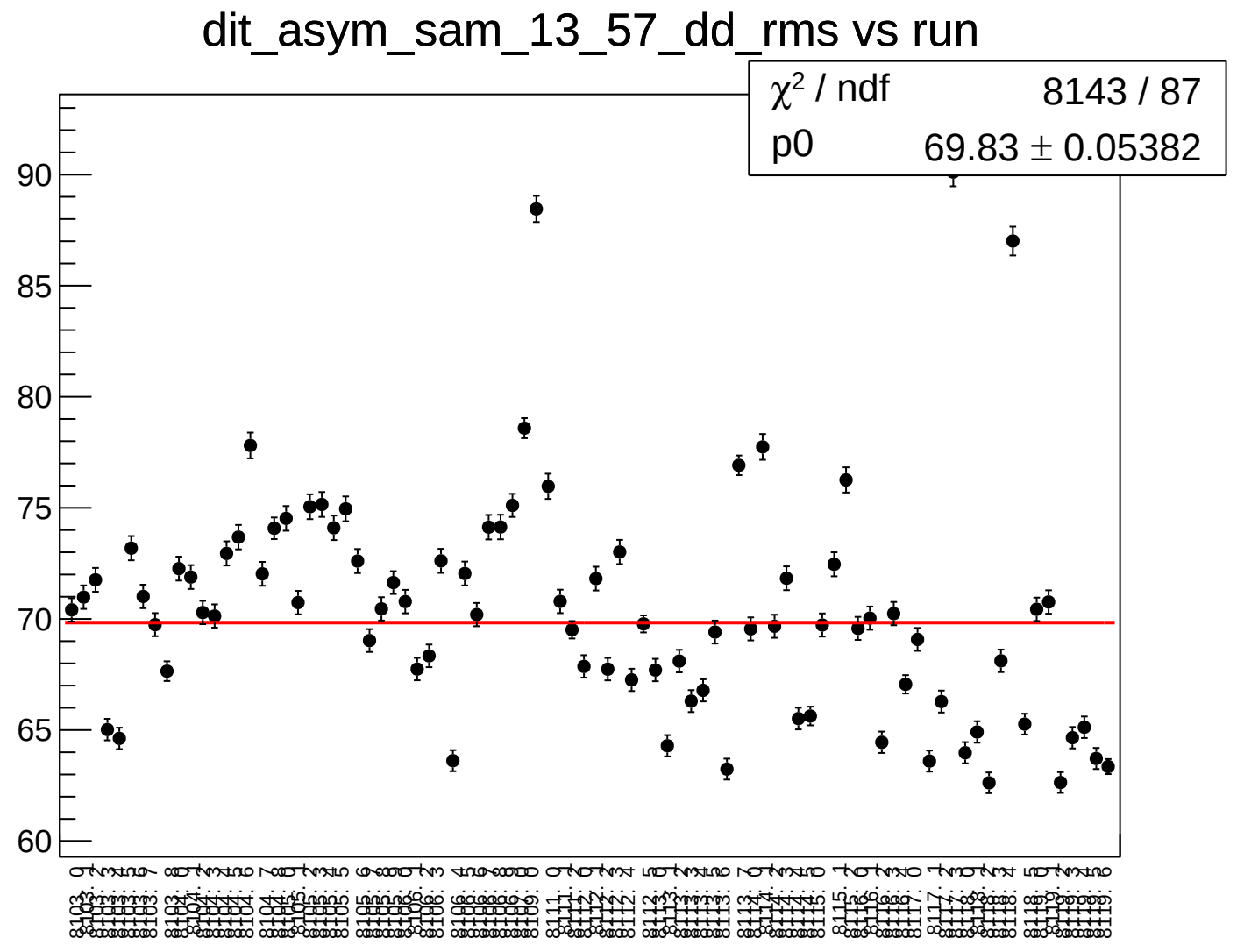

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2070 / 87
p0 1857 ± 1.428
2200
2100
2000
1900
1800
1700

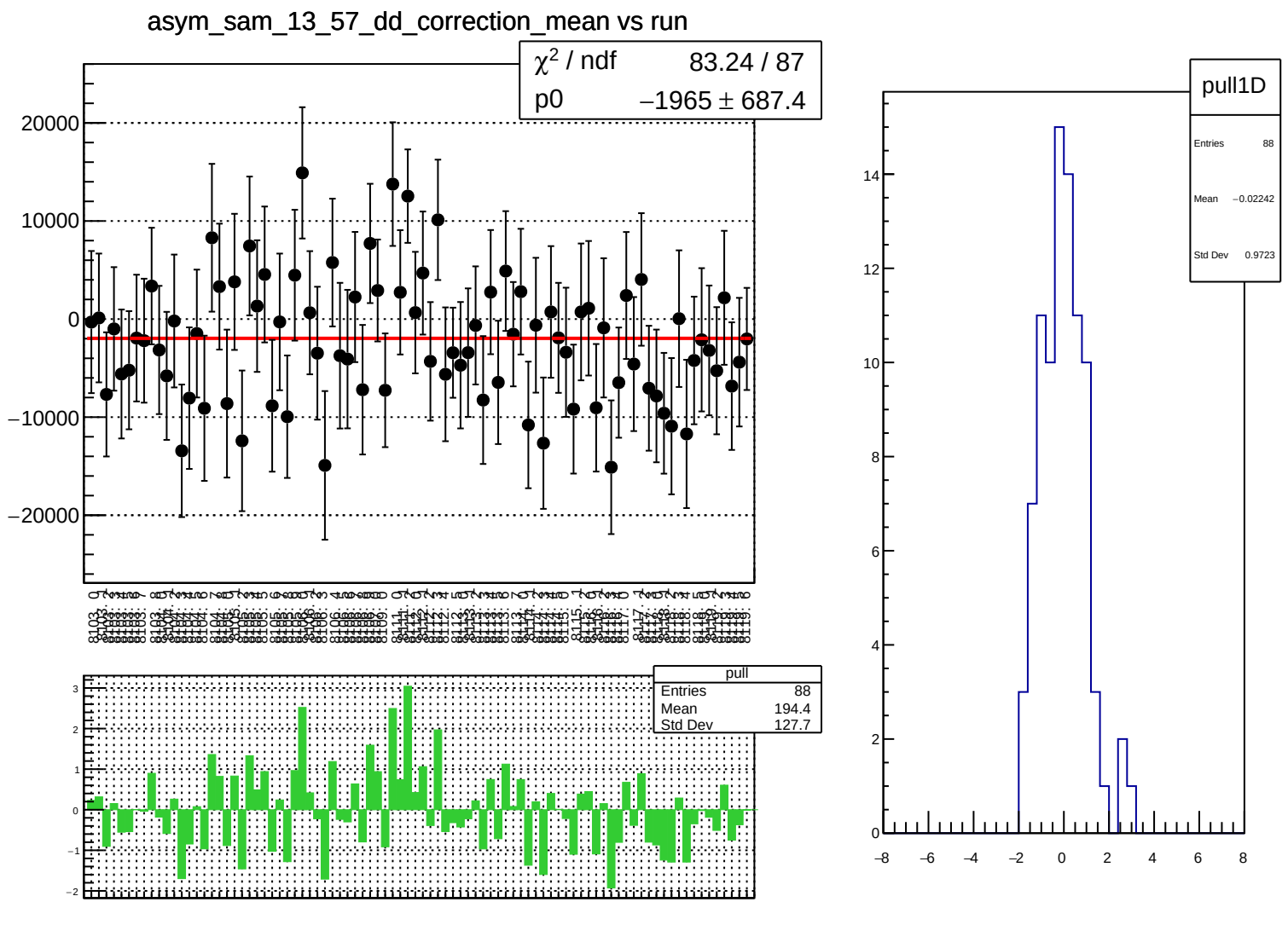

asym_sam_48_dd_mean vs run
χ² / ndf 88.9 / 87
p0 3768 ± 2022
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 612.5
Std Dev 561.9
2
1
0
−1
−2

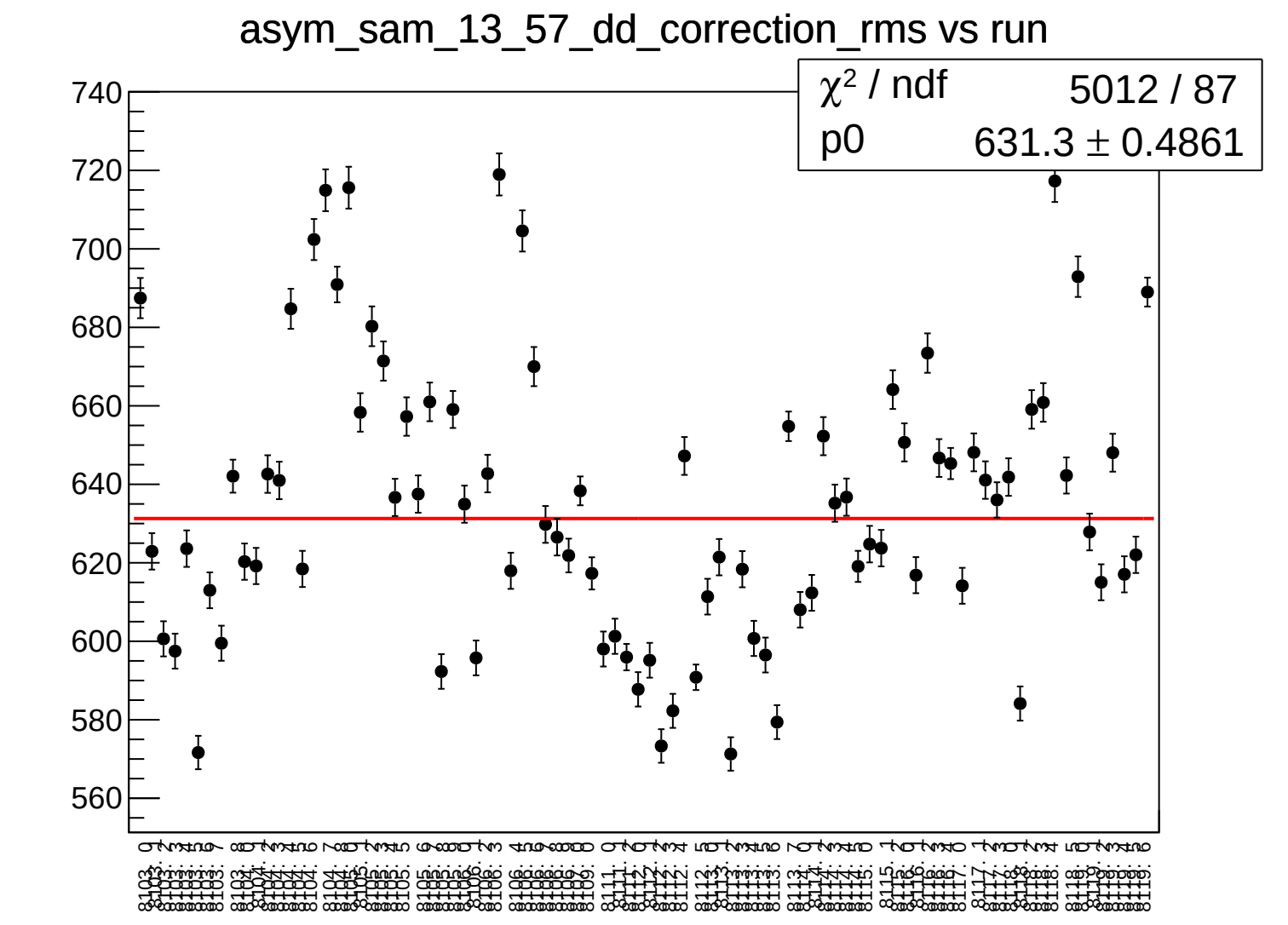

pull1D
Entries 88
Mean 0.007302
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

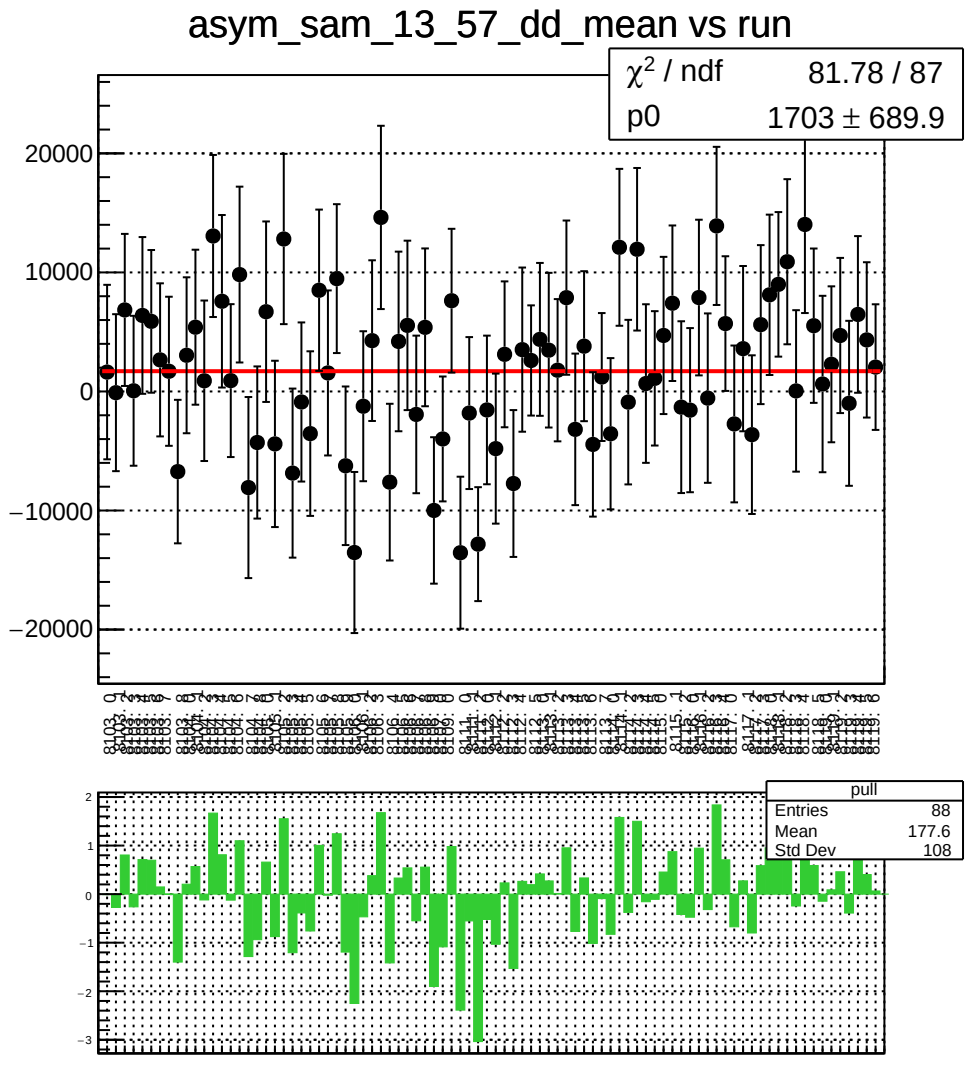

asym_sam_48_dd_rms vs run
χ² / ndf 2430 / 87
p0 1858 ± 1.43
2100
2000
1900
1800
1700

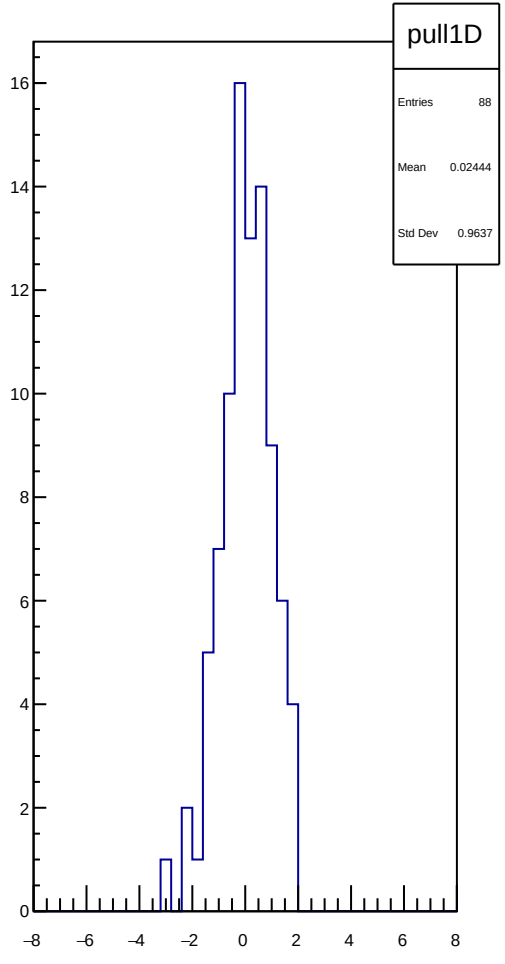

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 97.17 / 87
p0 −193.7 ± 76.11
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 88
Mean −8.82
Std Dev 46.74
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01959
Std Dev 1.051
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

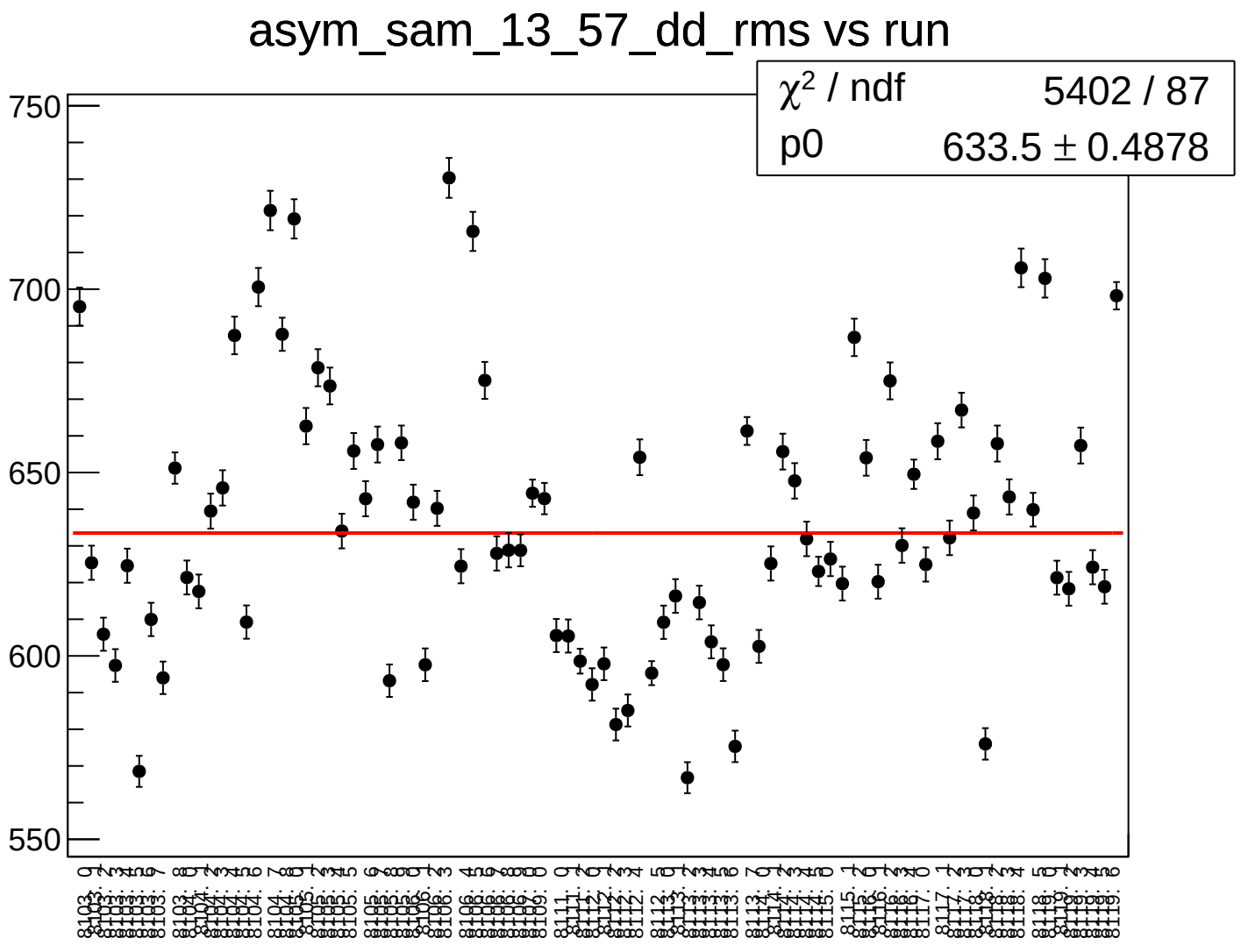

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 8143 / 87
p0 69.83 ± 0.05382
90
85
80
75
70
65
60

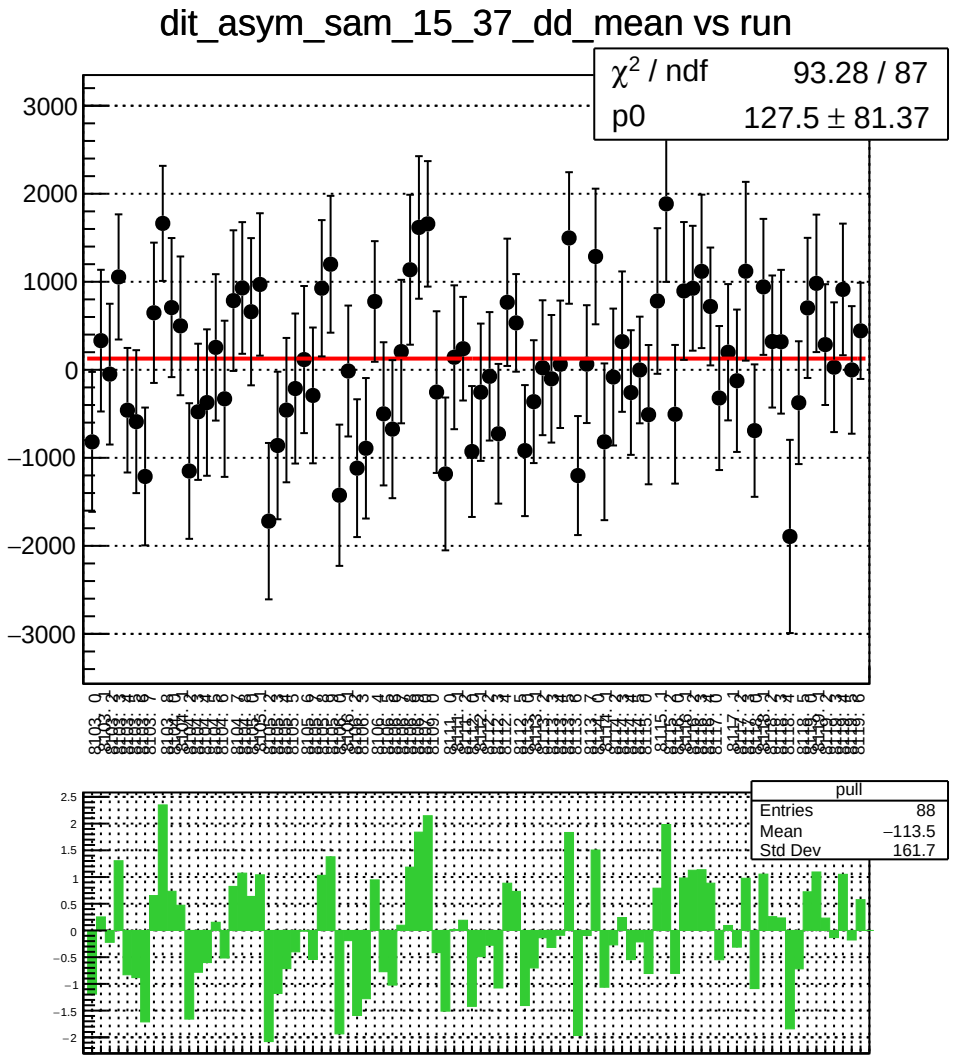

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 83.24 / 87
p0 −1965 ± 687.4
20000
10000
0
−10000
−20000
pull
Entries 88
Mean 194.4
Std Dev 127.7
3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.02242
Std Dev 0.9723
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

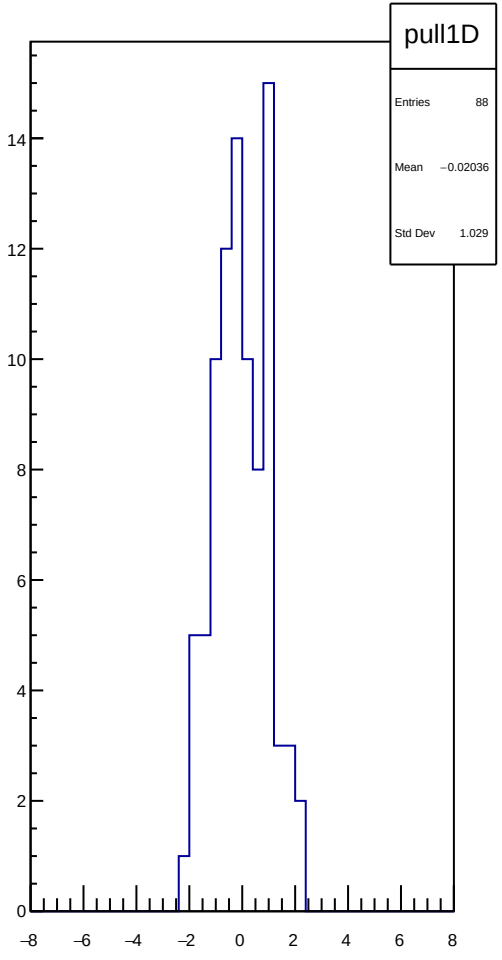

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 5012 / 87
p0 631.3 ± 0.4861
740
720
700
680
660
640
620
600
580
560

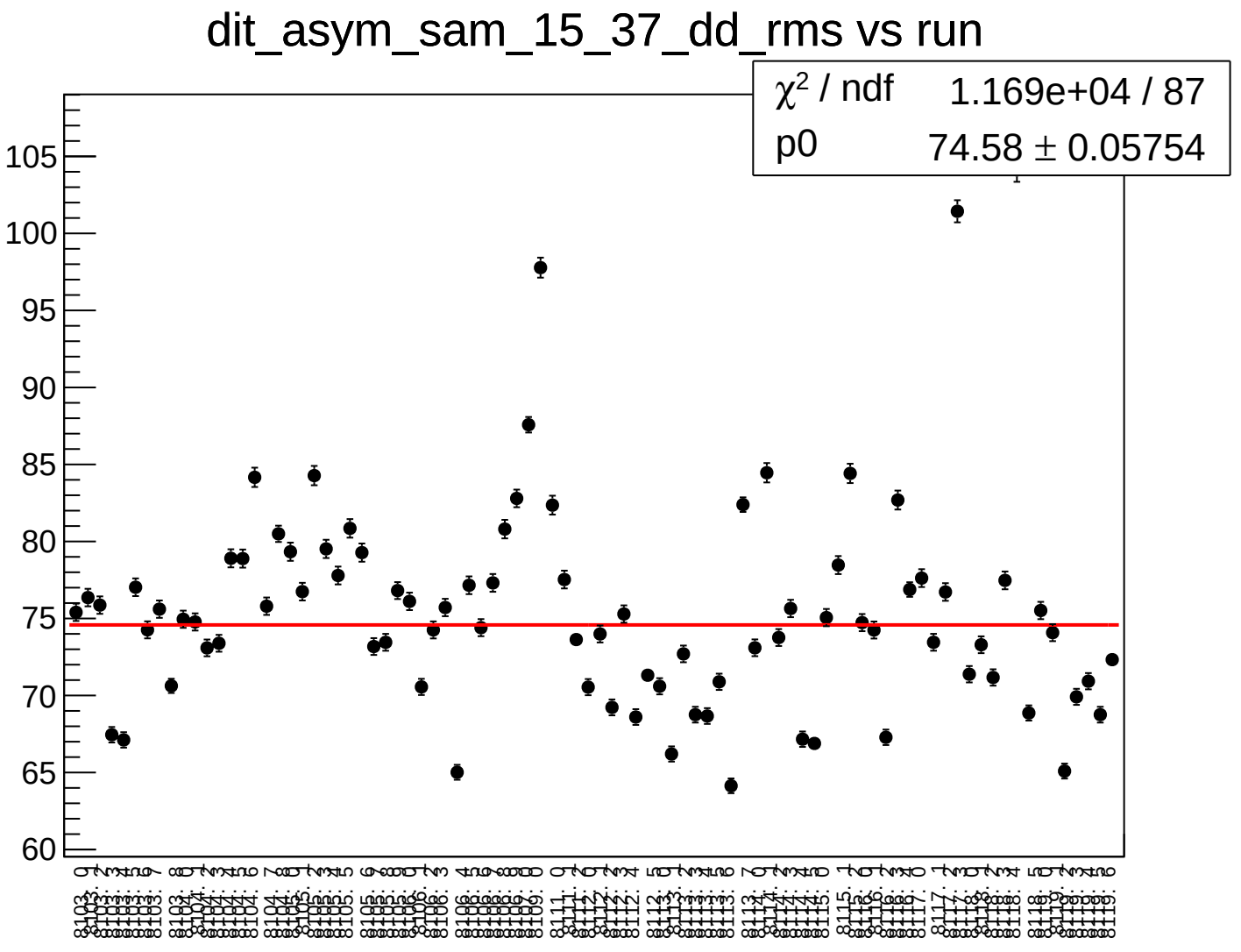

asym_sam_13_57_dd_mean vs run
χ² / ndf 81.78 / 87
p0 1703 ± 689.9
20000
10000
0
−10000
−20000
pull
Entries 88
Mean 177.6
Std Dev 108
2
1
0
−1
−2
−3

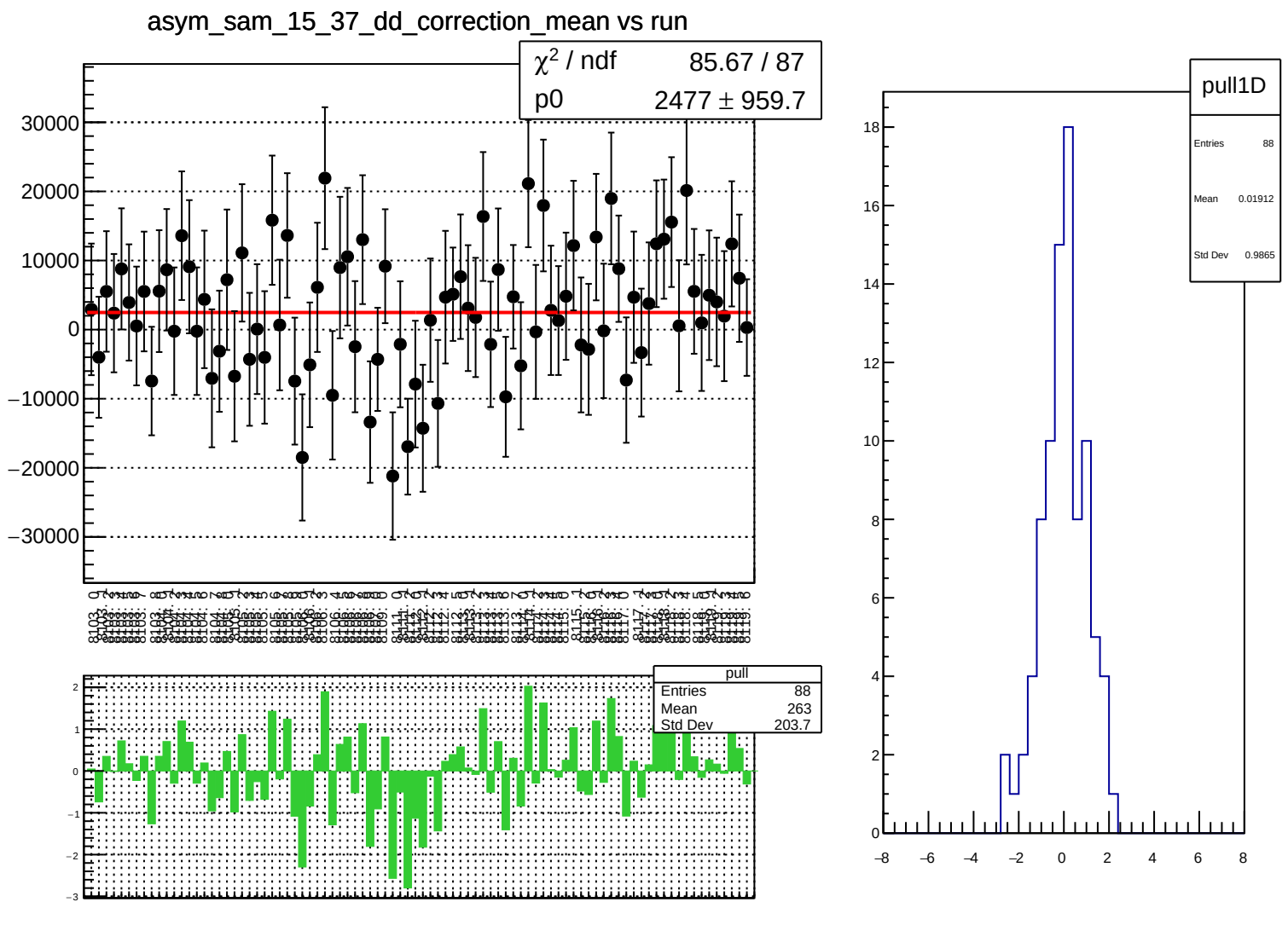

pull1D
Entries 88
Mean 0.02444
Std Dev 0.9637
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

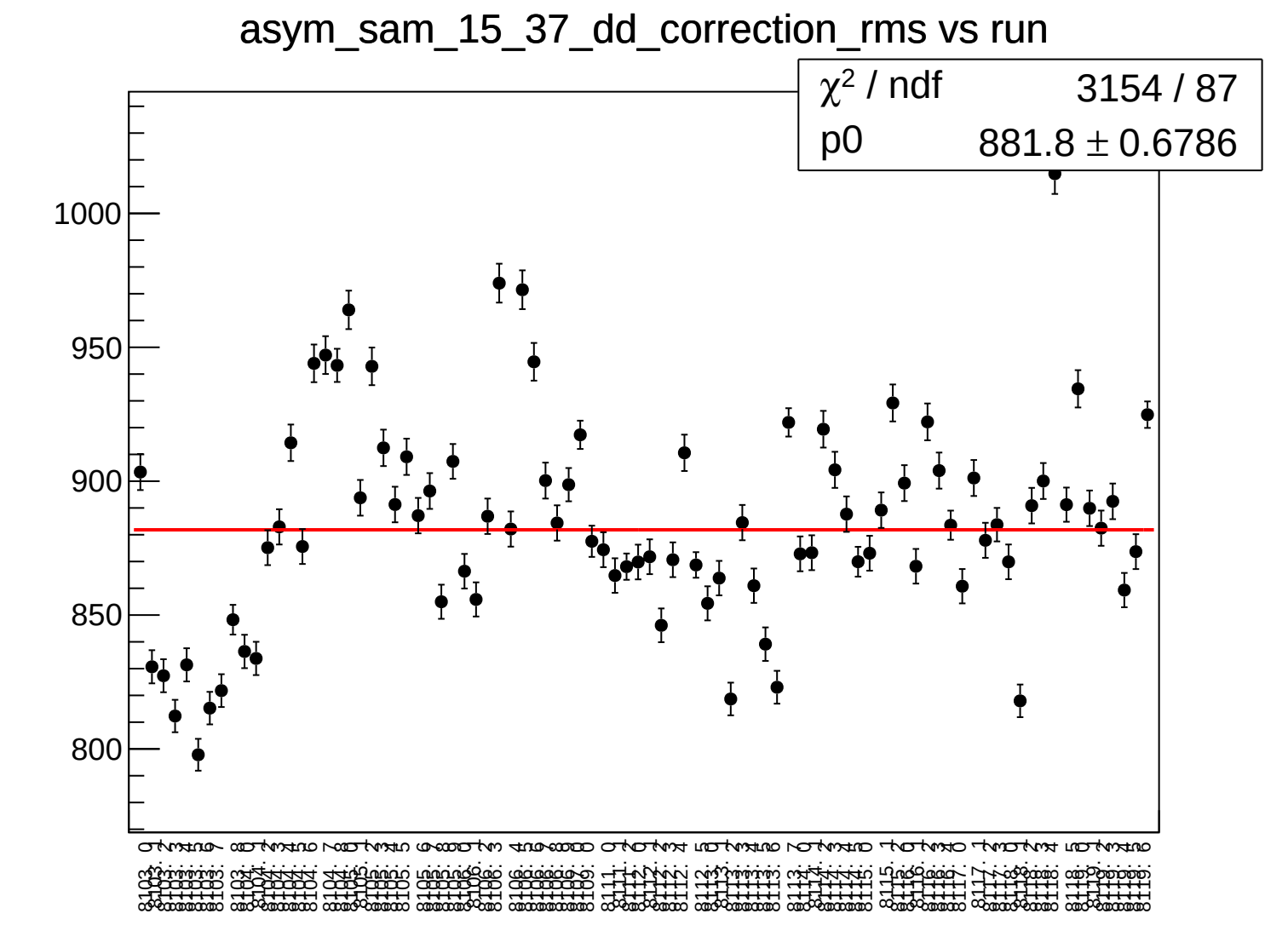

asym_sam_13_57_dd_rms vs run
χ² / ndf 5402 / 87
p0 633.5 ± 0.4878
750
700
650
600
550

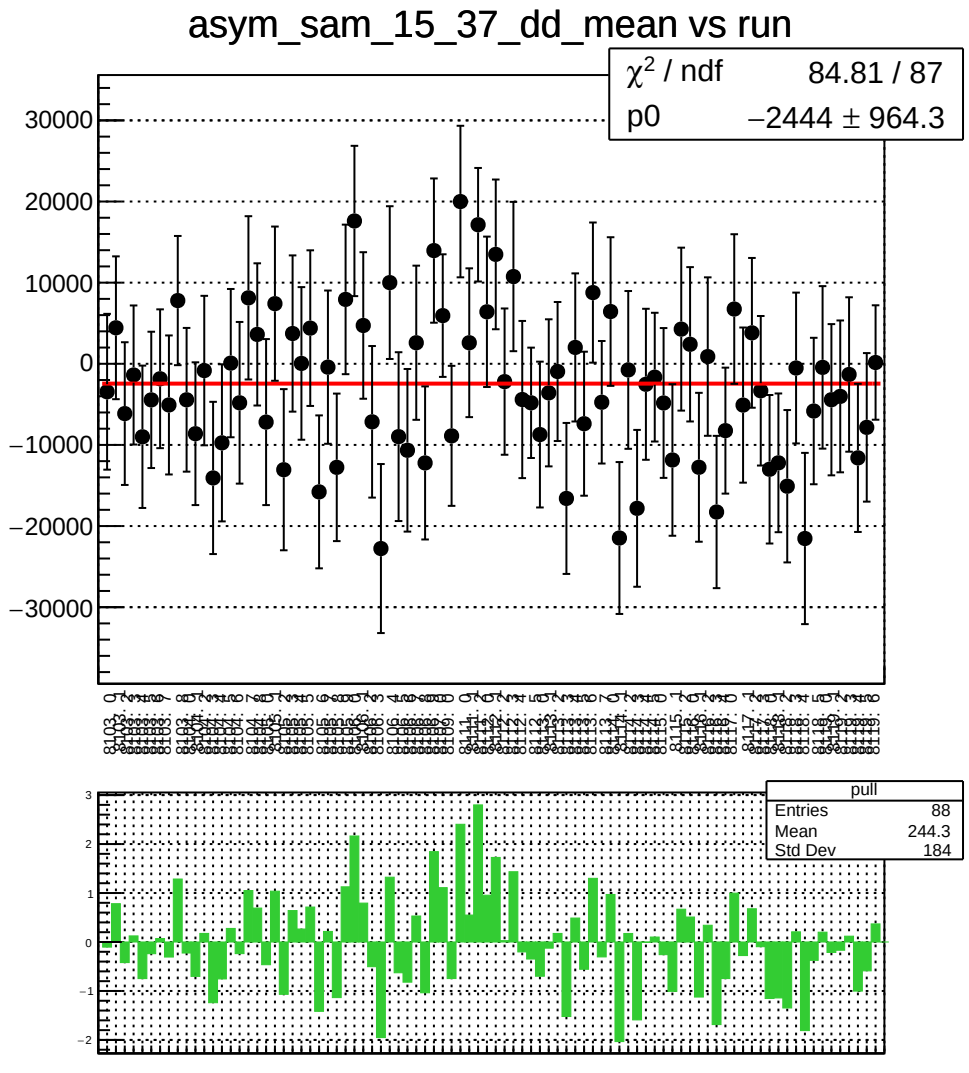

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 93.28 / 87
p0 127.5 ± 81.37
pull
Entries 88
Mean −113.5
Std Dev 161.7

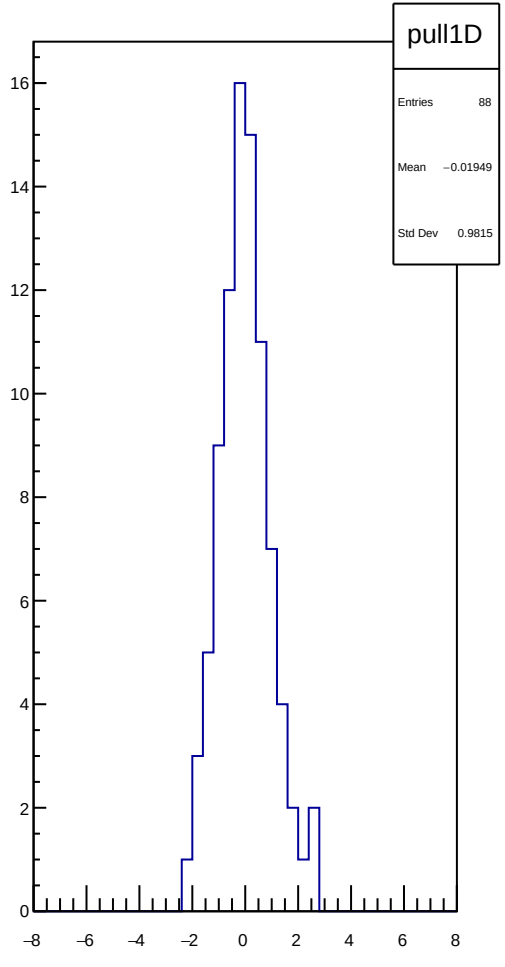

pull1D
Entries 88
Mean −0.02036
Std Dev 1.029

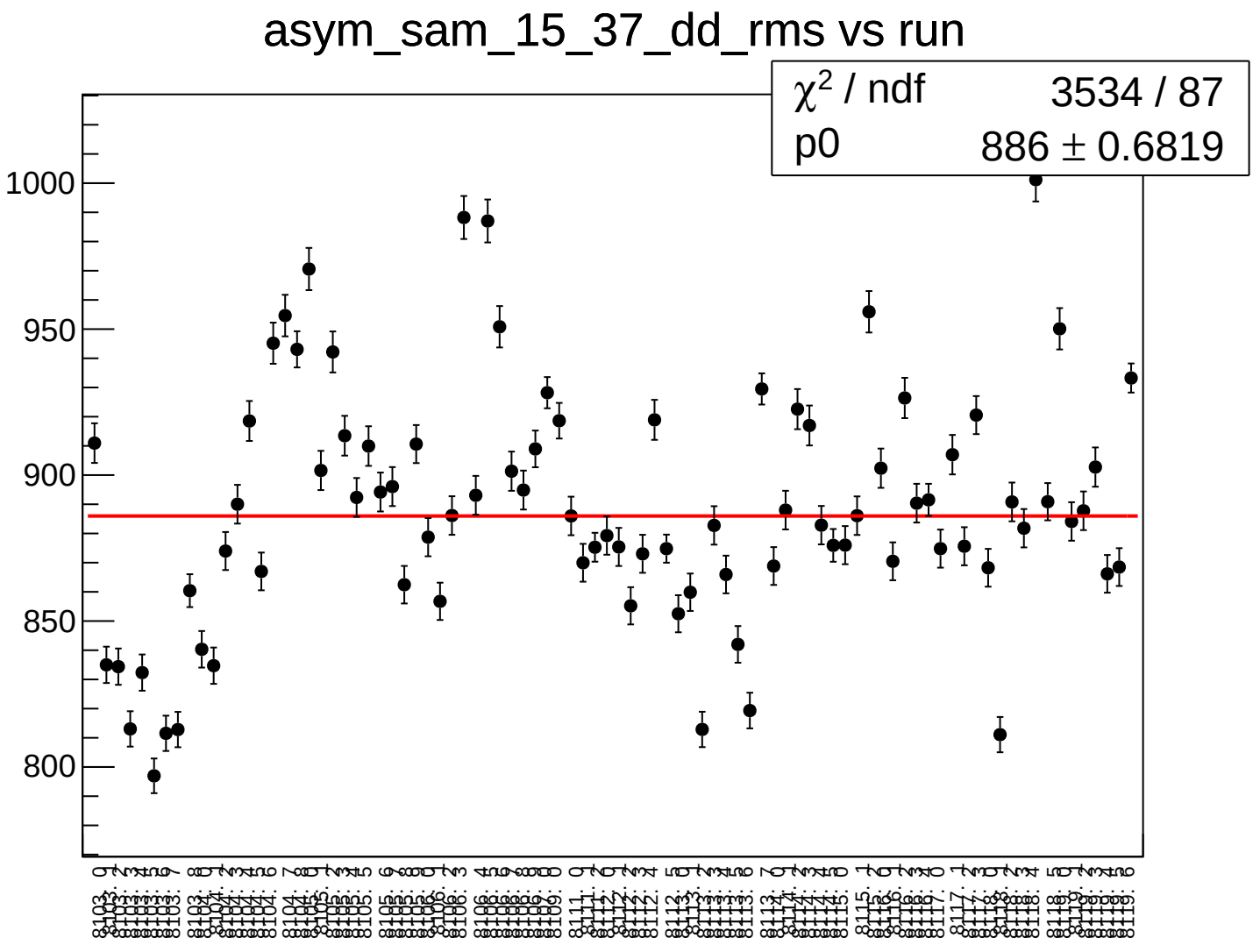

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.169e+04 / 87
p0 74.58 ± 0.05754
105
100
95
90
85
80
75
70
65
60

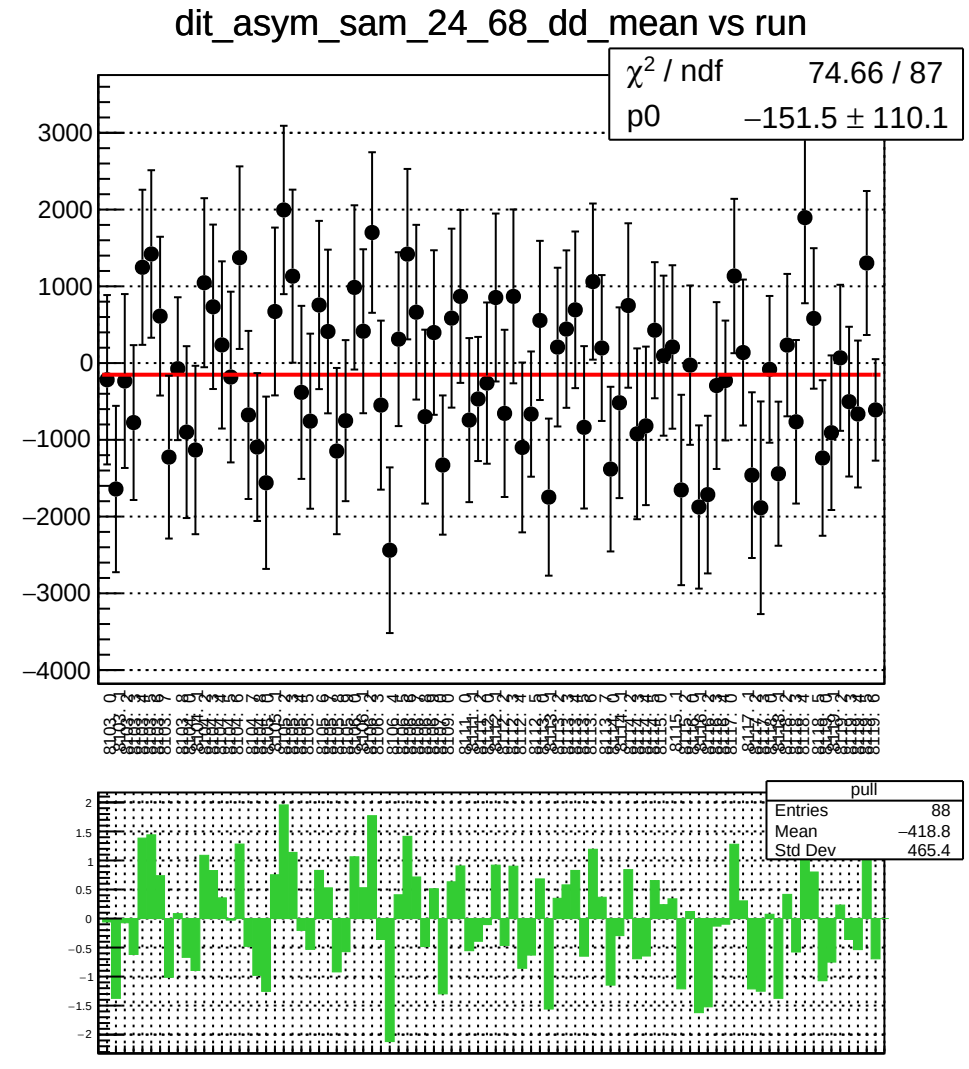

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 85.67 / 87
p0 2477 ± 959.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 263
Std Dev 203.7
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01912
Std Dev 0.9865
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

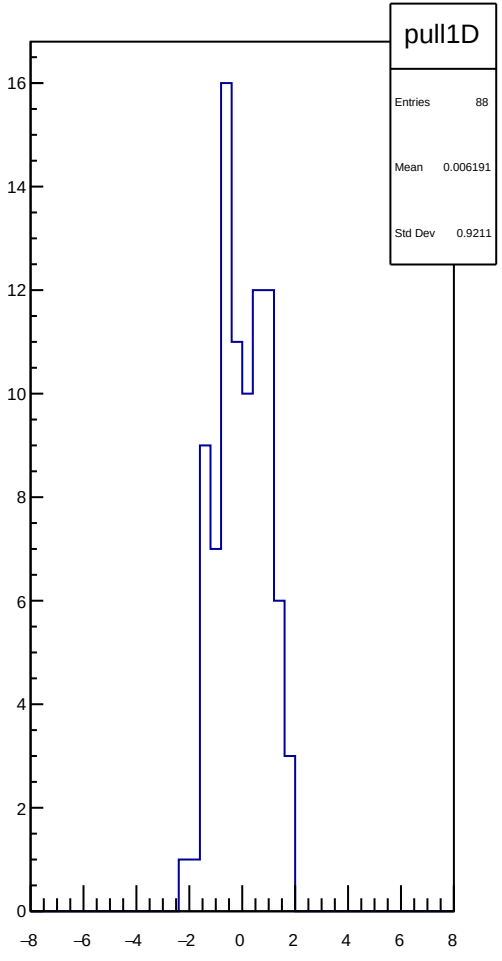

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3154 / 87
p0 881.8 ± 0.6786
1000
950
900
850
800

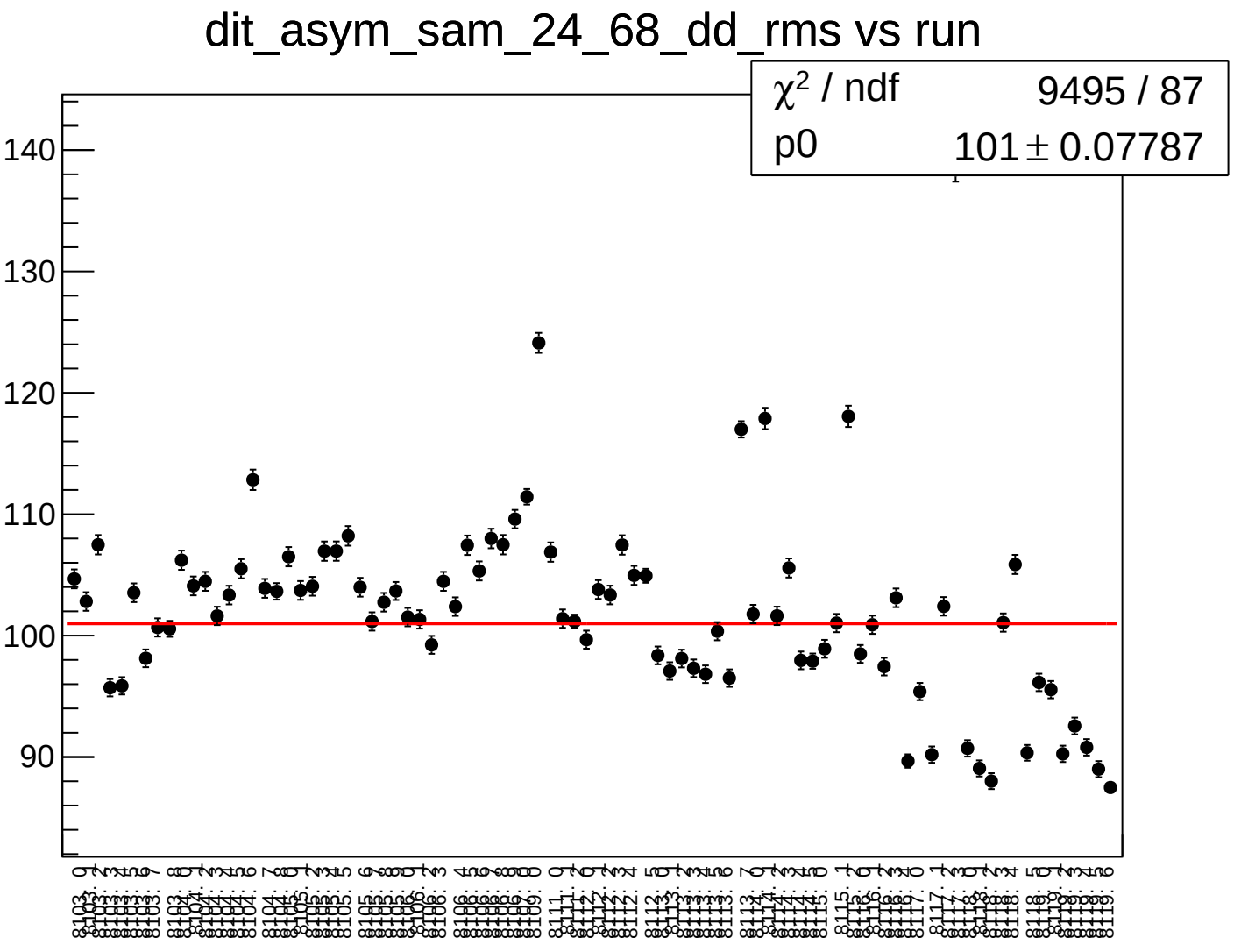

asym_sam_15_37_dd_mean vs run
χ² / ndf 84.81 / 87
p0 −2444 ± 964.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 244.3
Std Dev 184
3
2
1
0
−1
−2

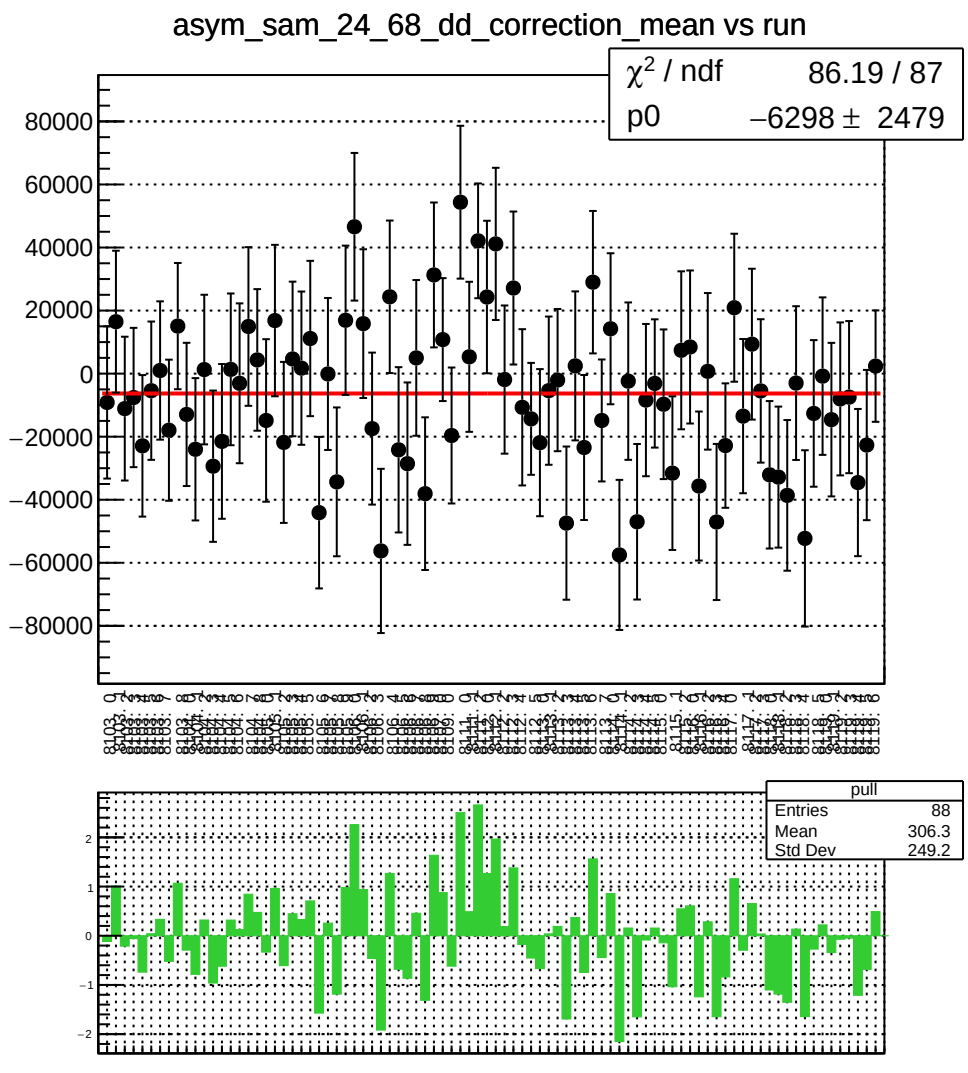

pull1D
Entries 88
Mean −0.01949
Std Dev 0.9815
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

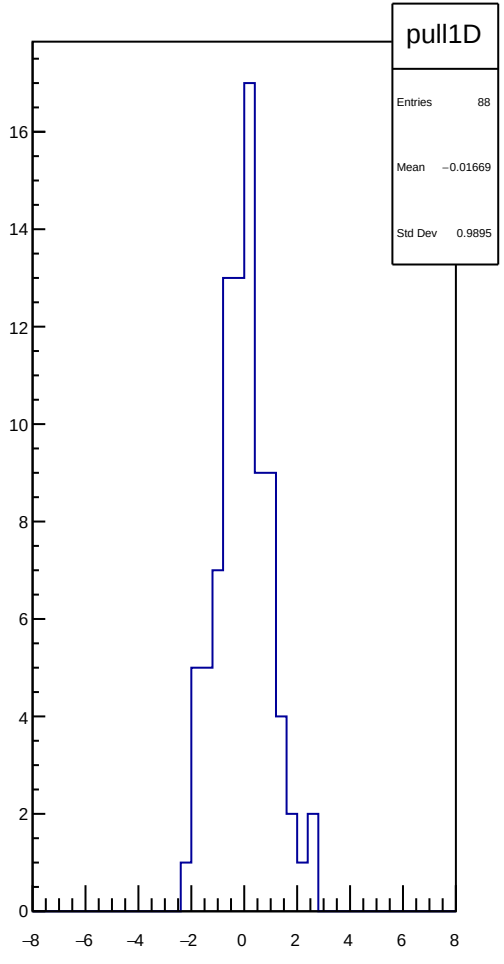

asym_sam_15_37_dd_rms vs run
χ² / ndf 3534 / 87
p0 886 ± 0.6819
1000
950
900
850
800

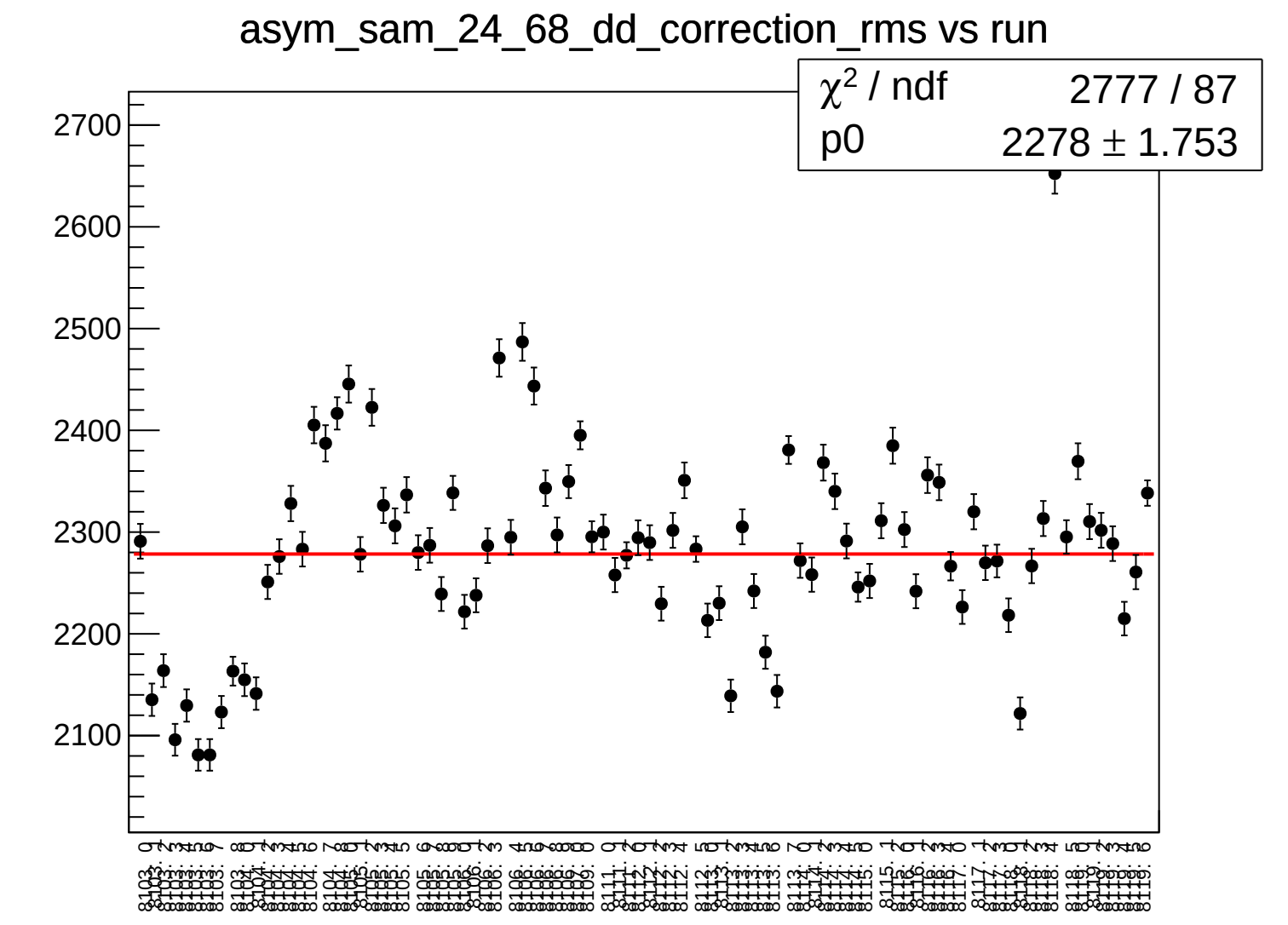

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 74.66 / 87
p0 −151.5 ± 110.1
pull
Entries 88
Mean −418.8
Std Dev 465.4

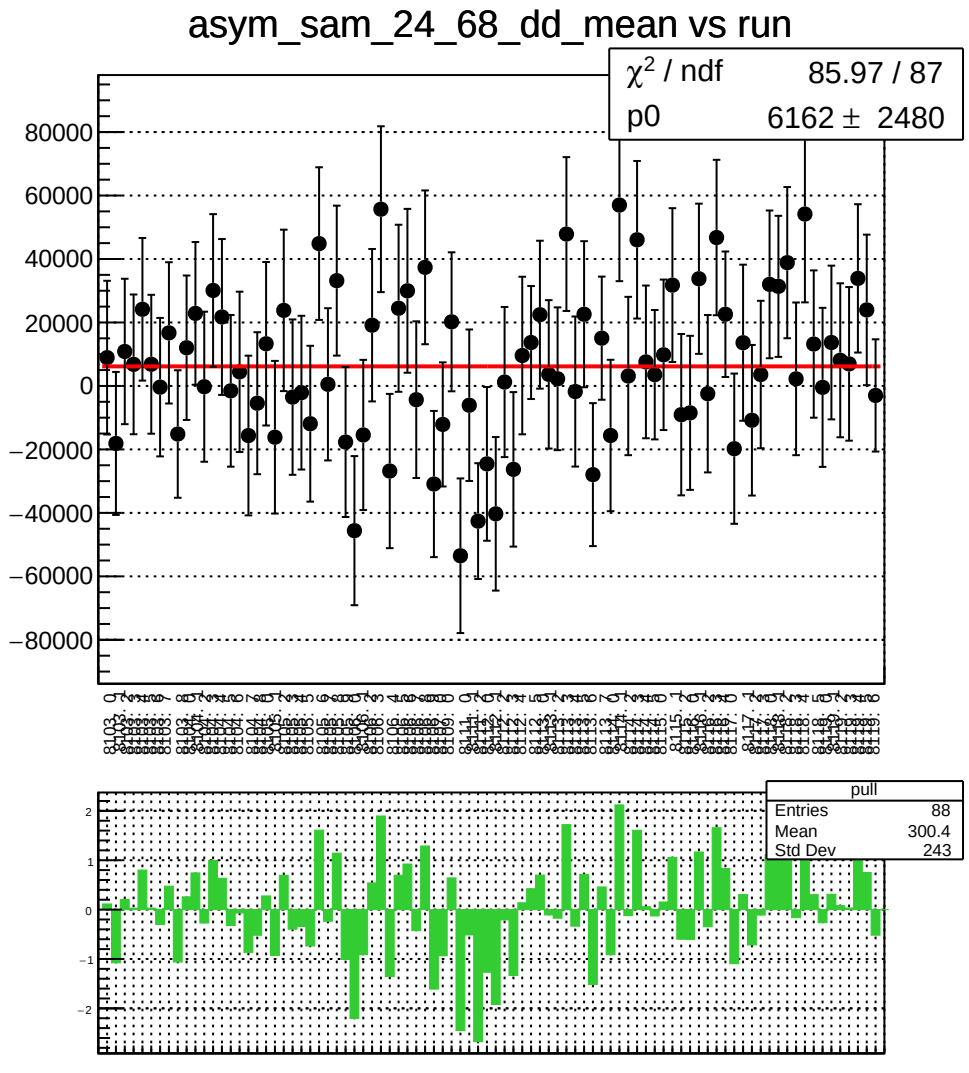

pull1D
Entries 88
Mean 0.006191
Std Dev 0.9211

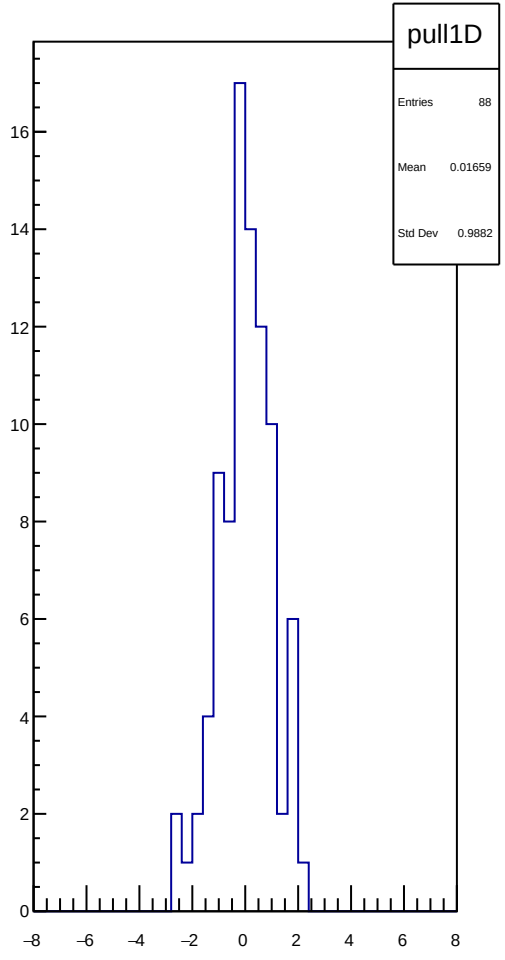

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 9495 / 87
p0 101 ± 0.07787
140
130
120
110
100
90

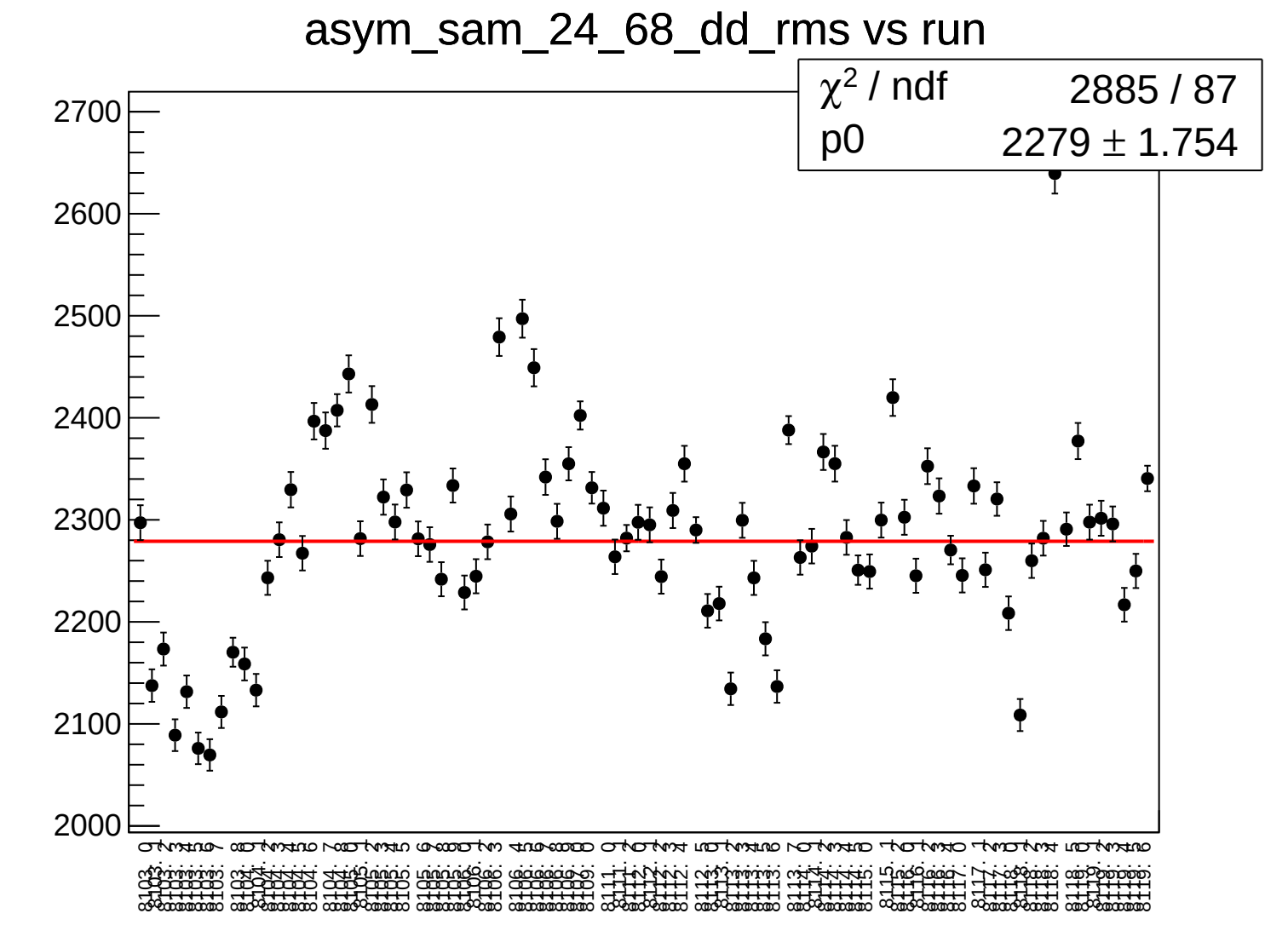

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 86.19 / 87
p0 −6298 ± 2479
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean 306.3
Std Dev 249.2
2
1
0
−1
−2

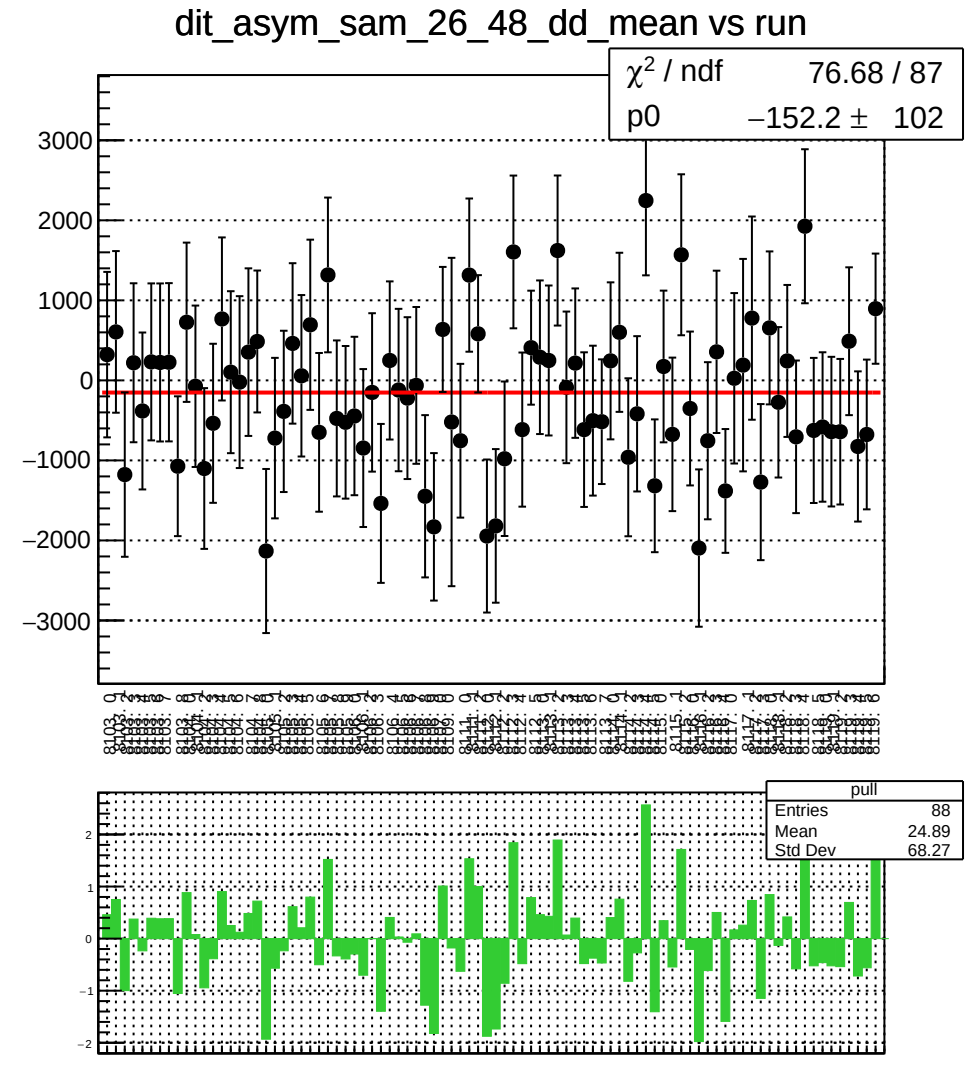

pull1D
Entries 88
Mean −0.01669
Std Dev 0.9895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

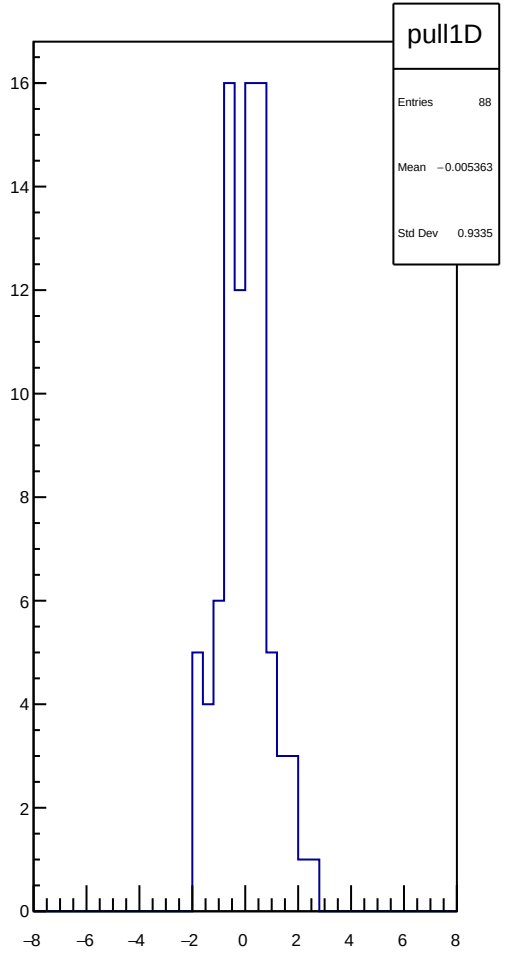

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2777 / 87
p0 2278 ± 1.753
2700
2600
2500
2400
2300
2200
2100

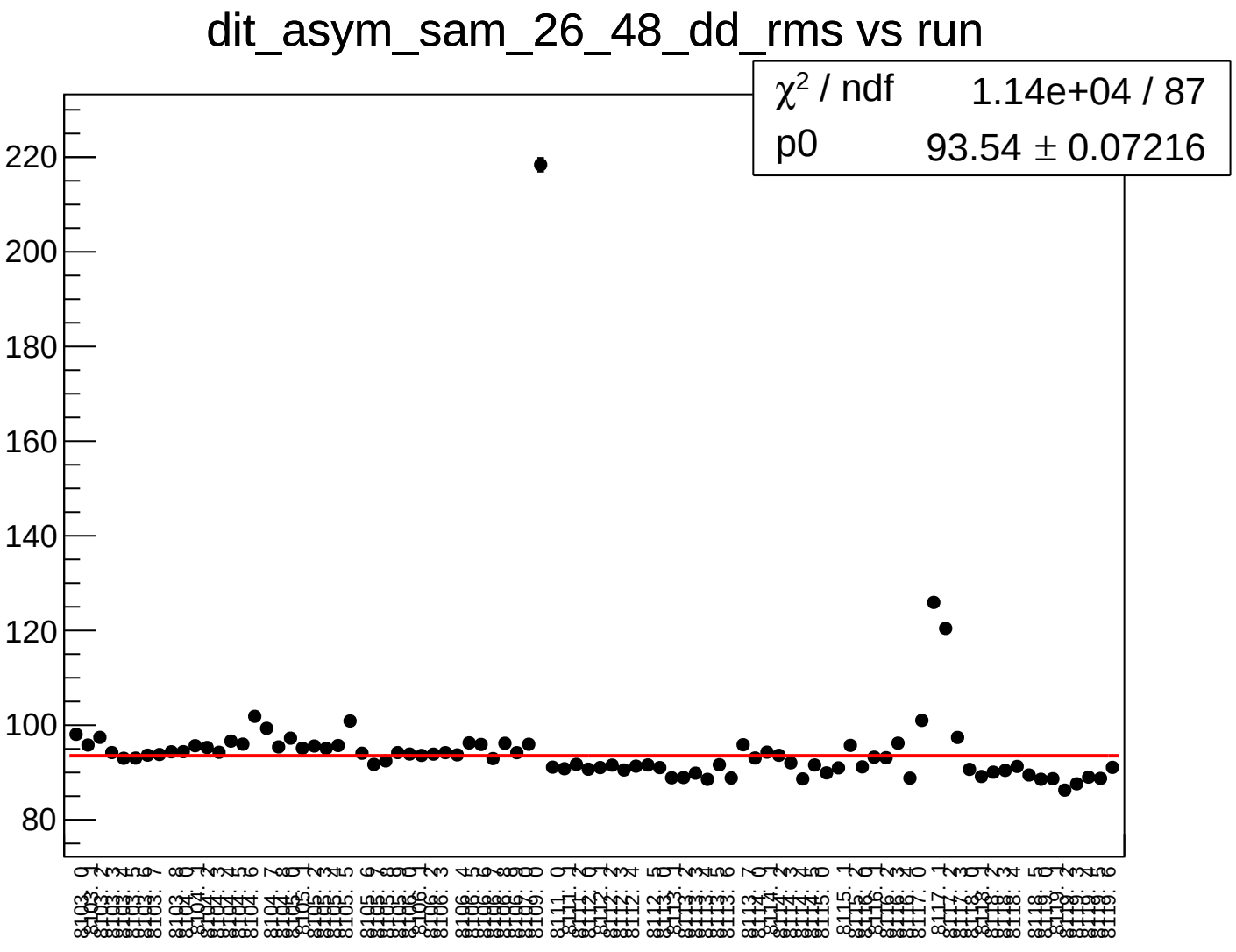

asym_sam_24_68_dd_mean vs run
χ² / ndf 85.97 / 87
p0 6162 ± 2480
pull
Entries 88
Mean 300.4
Std Dev 243

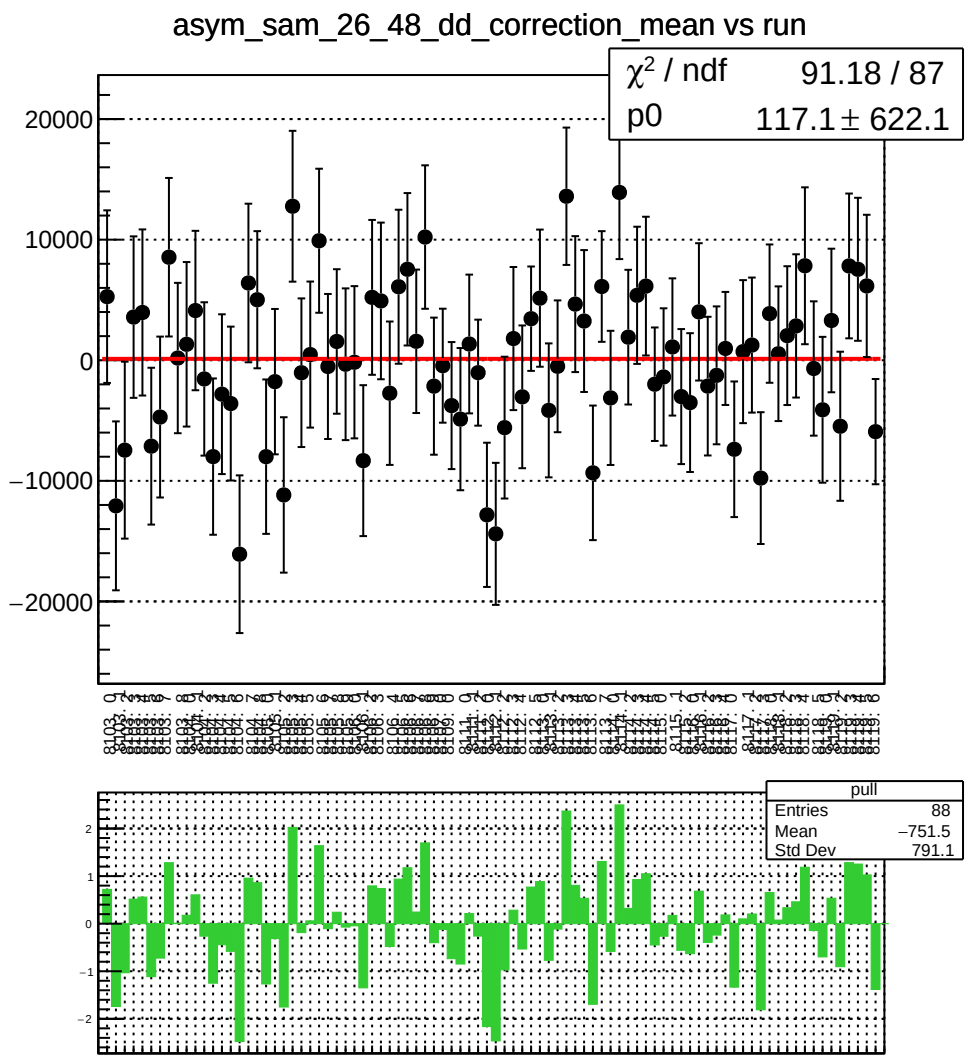

pull1D
Entries 88
Mean 0.01659
Std Dev 0.9882

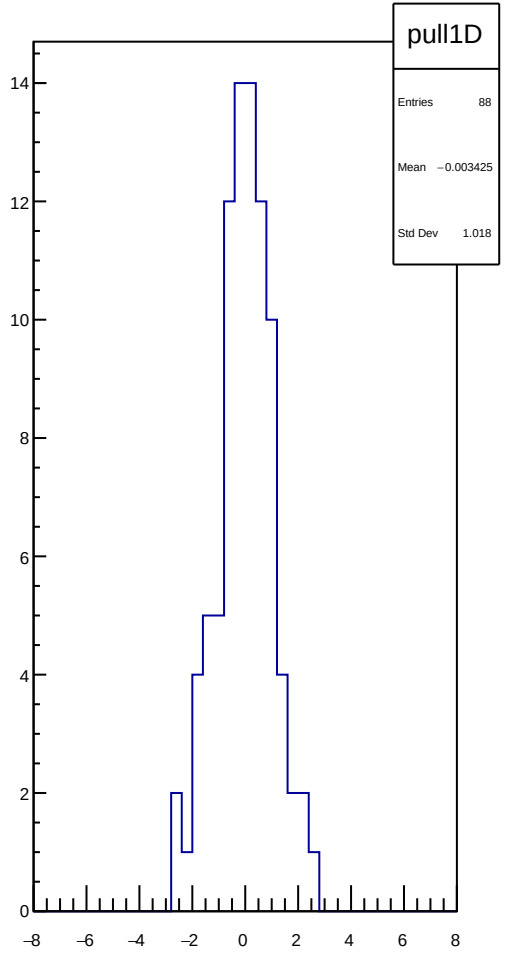

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2885 / 87
p0 2279 ± 1.754
2700
2600
2500
2400
2300
2200
2100
2000

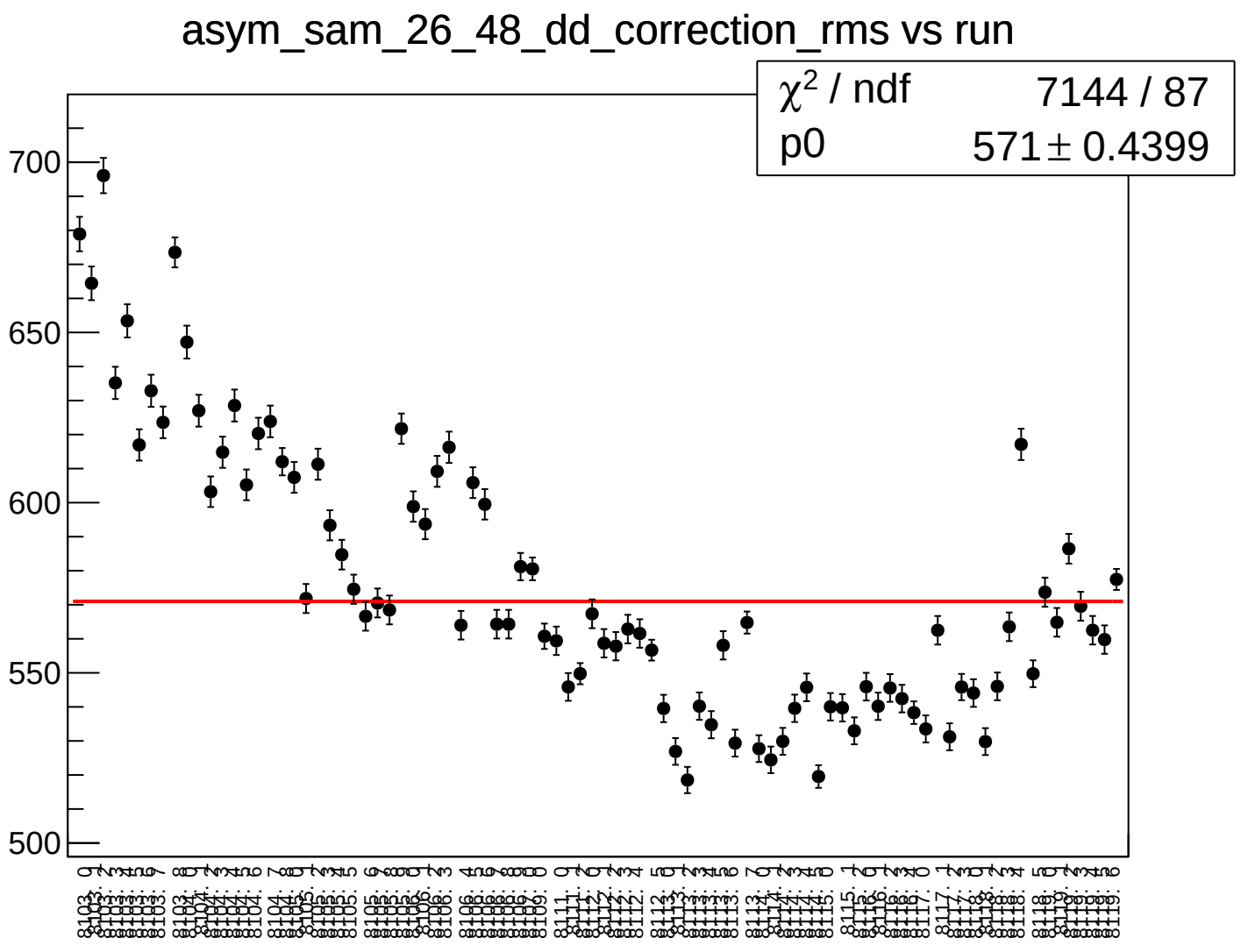

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 76.68 / 87
p0 −152.2 ± 102
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 88
Mean 24.89
Std Dev 68.27
2
1
0
−1
−2

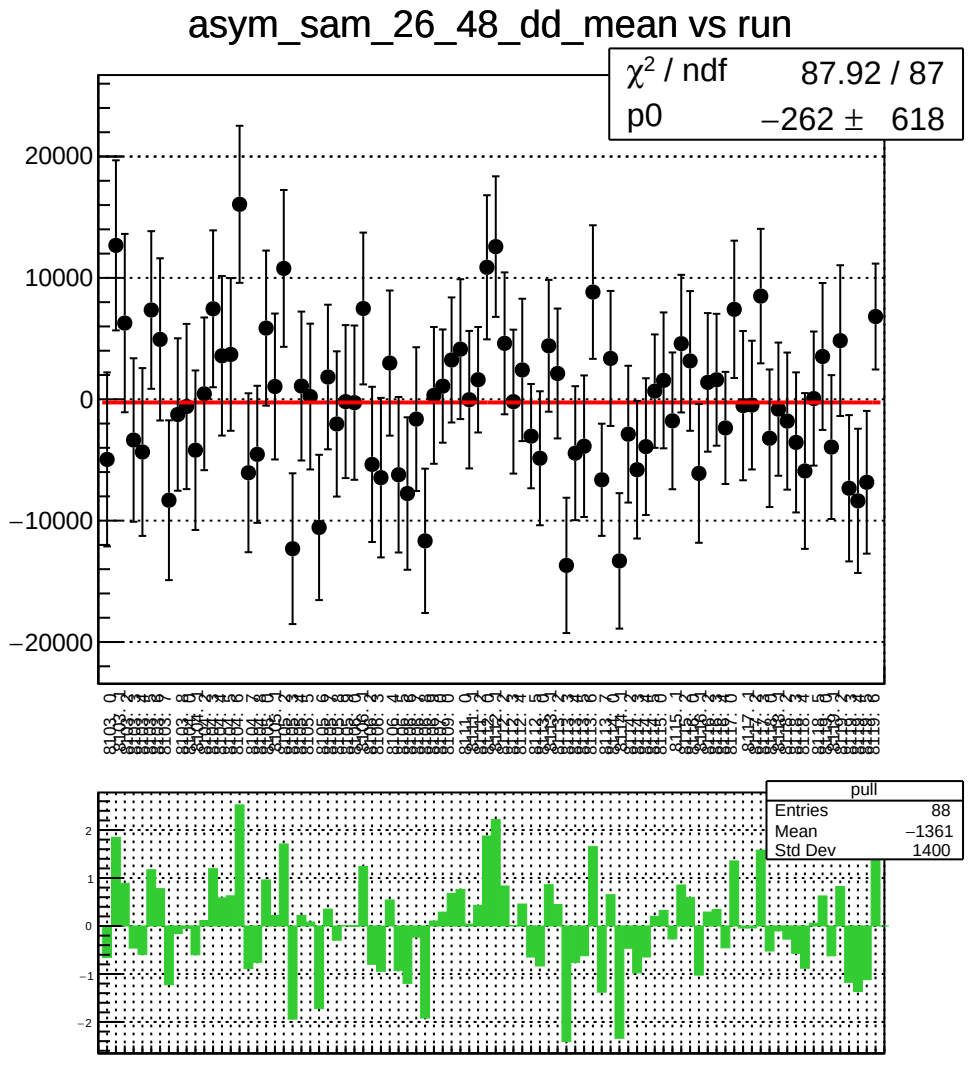

pull1D
Entries 88
Mean −0.005363
Std Dev 0.9335
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

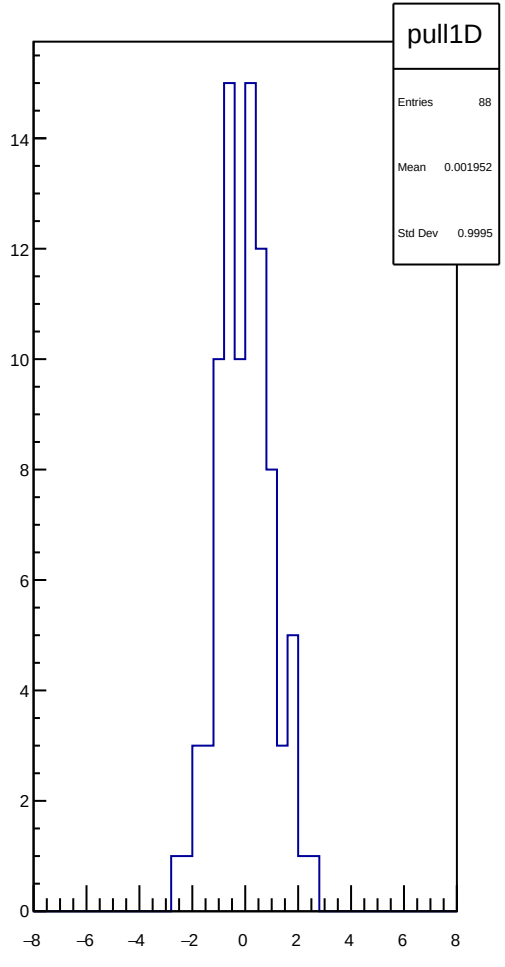

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.14e+04 / 87
p0 93.54 ± 0.07216
220
200
180
160
140
120
100
80

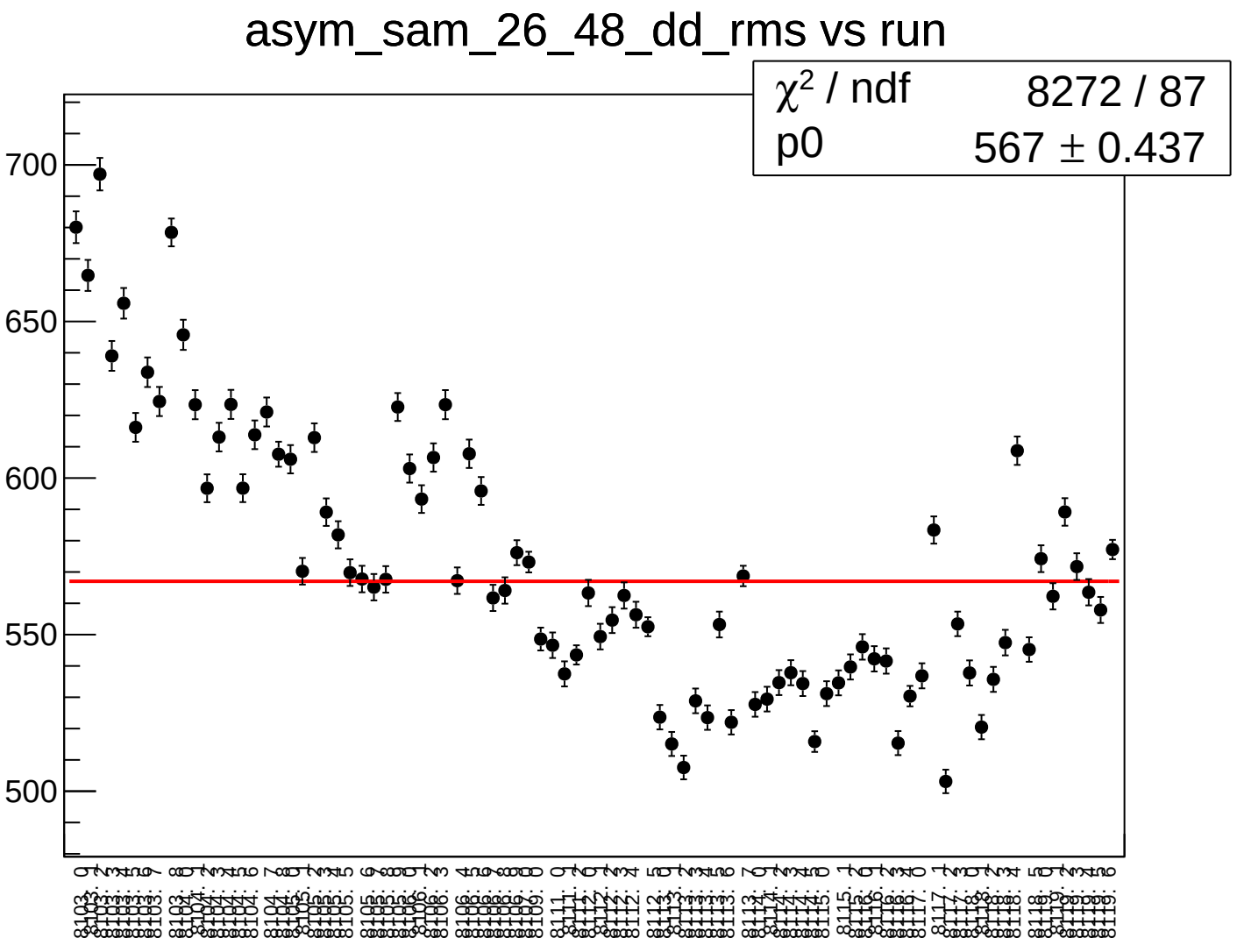

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 91.18 / 87
p0 117.1 ± 622.1
20000
10000
0
−10000
−20000
pull
Entries 88
Mean −751.5
Std Dev 791.1
2
1
0
−1
−2

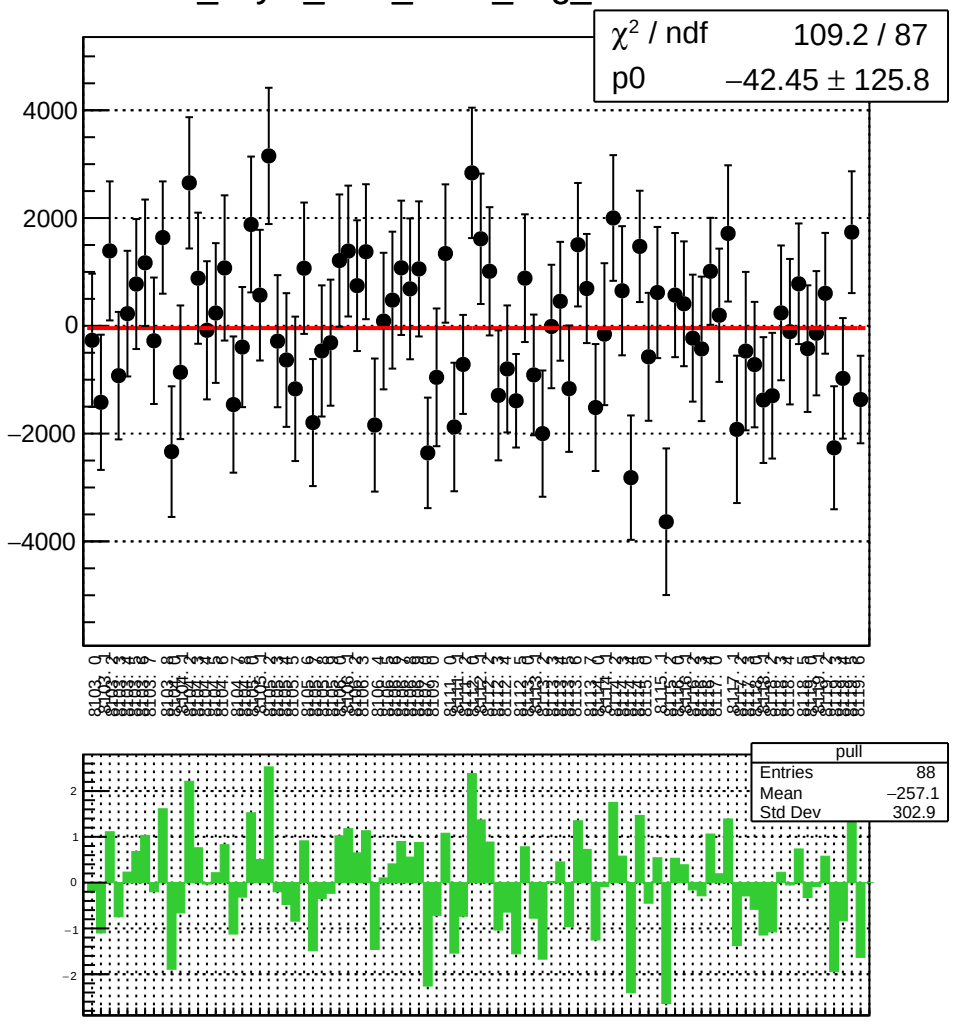

pull1D
Entries 88
Mean −0.003425
Std Dev 1.018
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

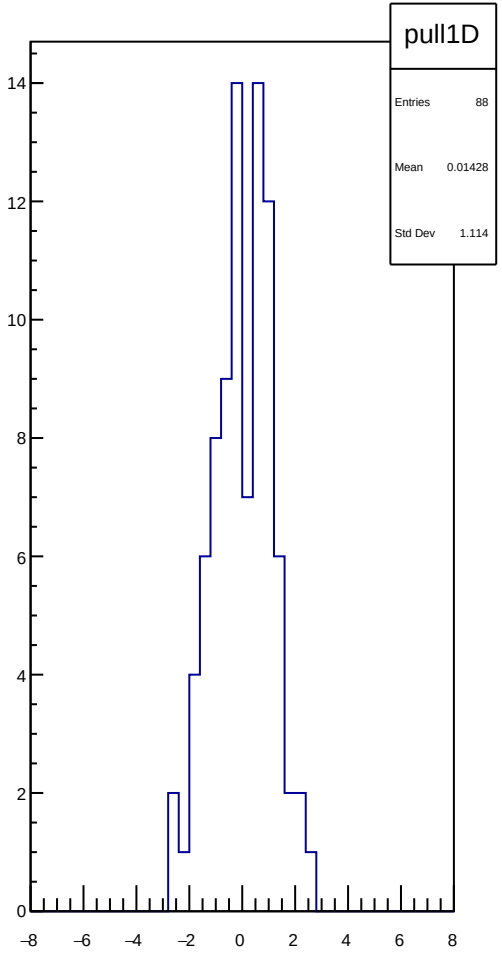

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 7144 / 87
p0 571 ± 0.4399
700
650
600
550
500

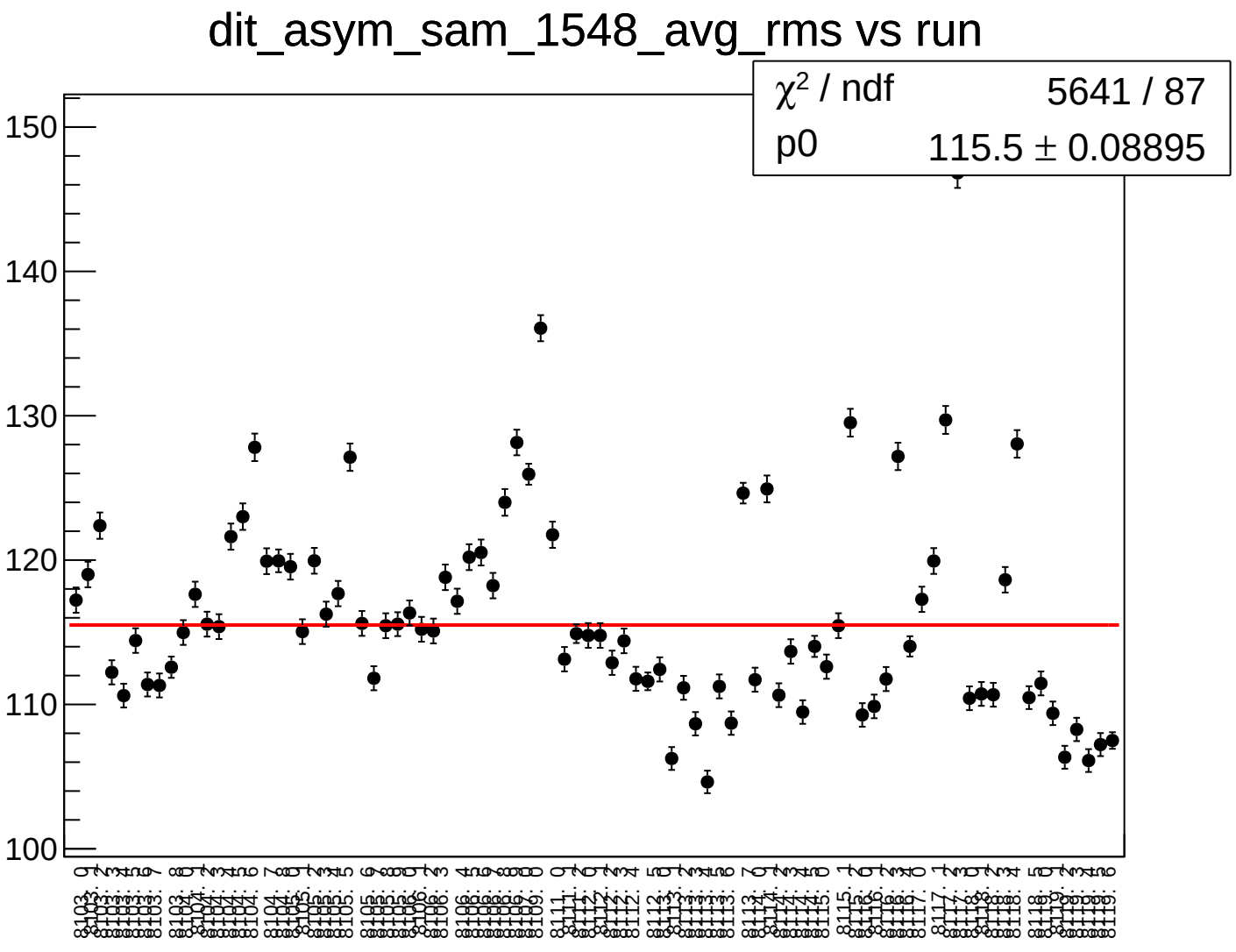

asym_sam_26_48_dd_mean vs run
χ² / ndf 87.92 / 87
p0 −262 ± 618
20000
10000
0
−10000
−20000
pull
Entries 88
Mean −1361
Std Dev 1400
2
1
0
−1
−2

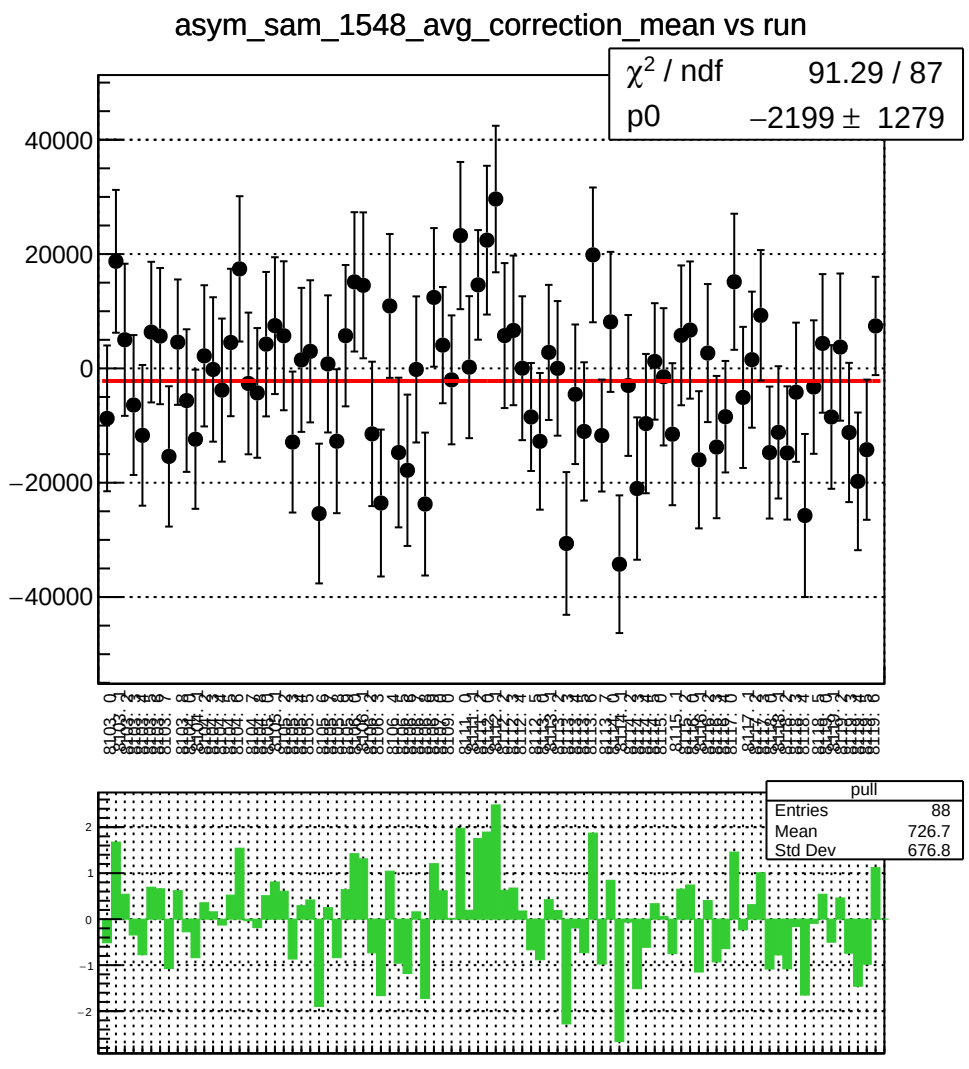

pull1D
Entries 88
Mean 0.001952
Std Dev 0.9995
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

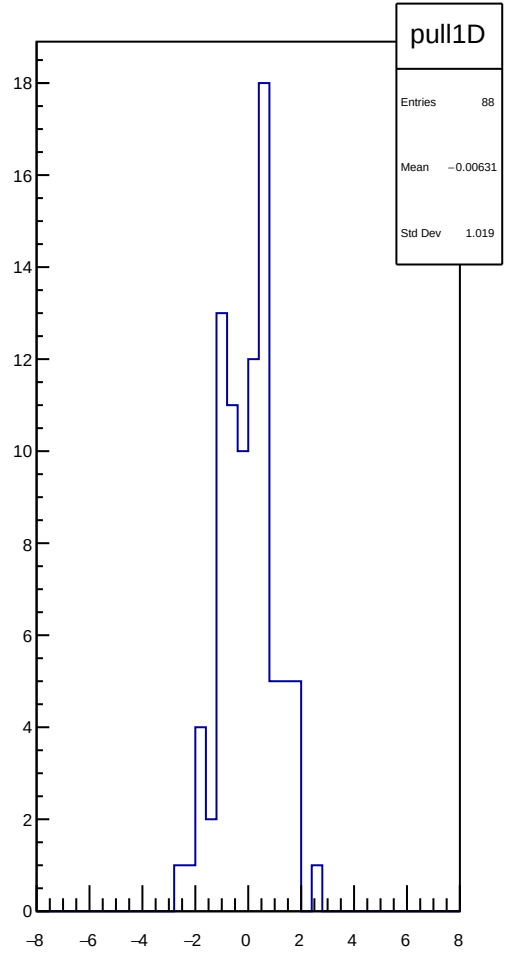

asym_sam_26_48_dd_rms vs run
χ² / ndf 8272 / 87
p0 567 ± 0.437
700
650
600
550
500

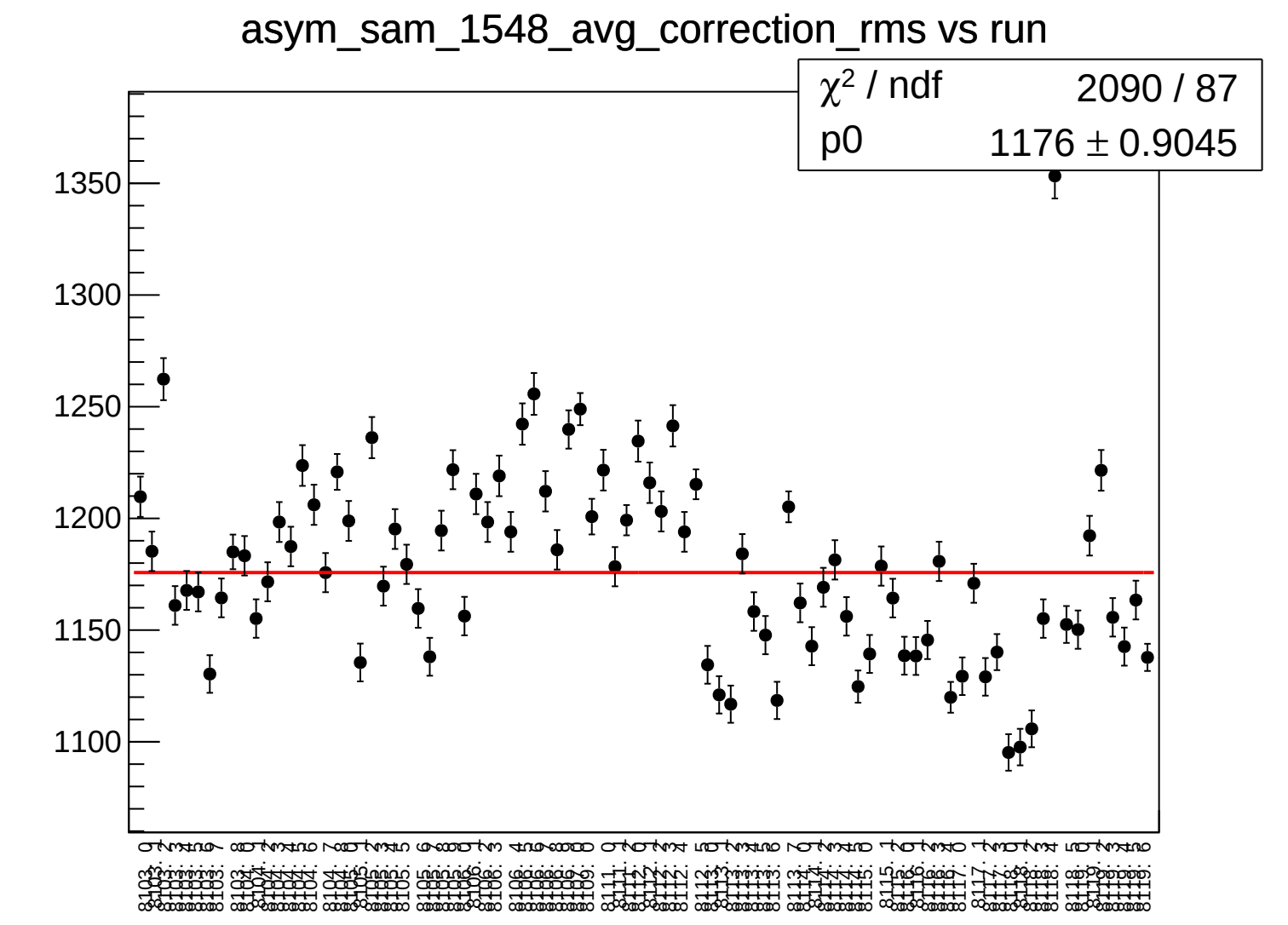

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 109.2 / 87
p0 −42.45 ± 125.8
4000
2000
0
−2000
−4000
pull
Entries 88
Mean −257.1
Std Dev 302.9
2
1
0
−1
−2

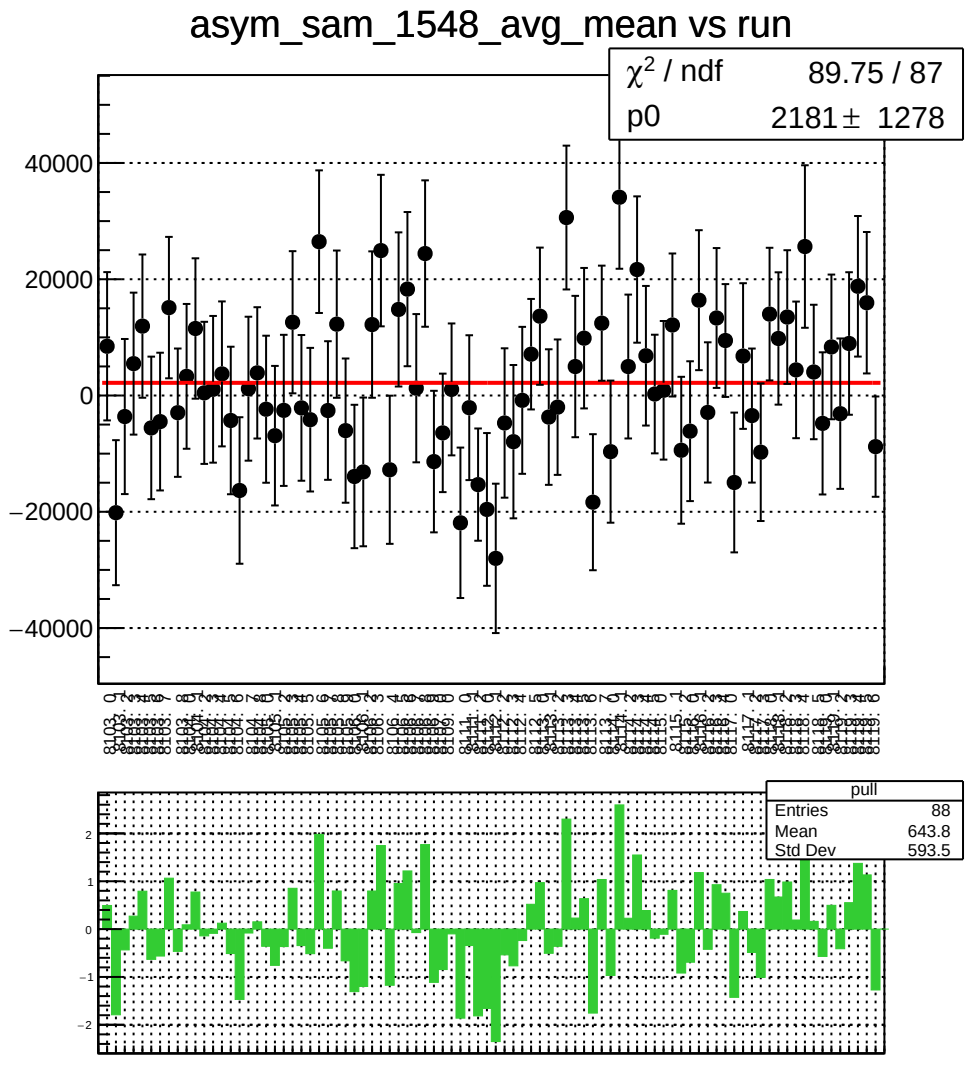

pull1D
Entries 88
Mean 0.01428
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

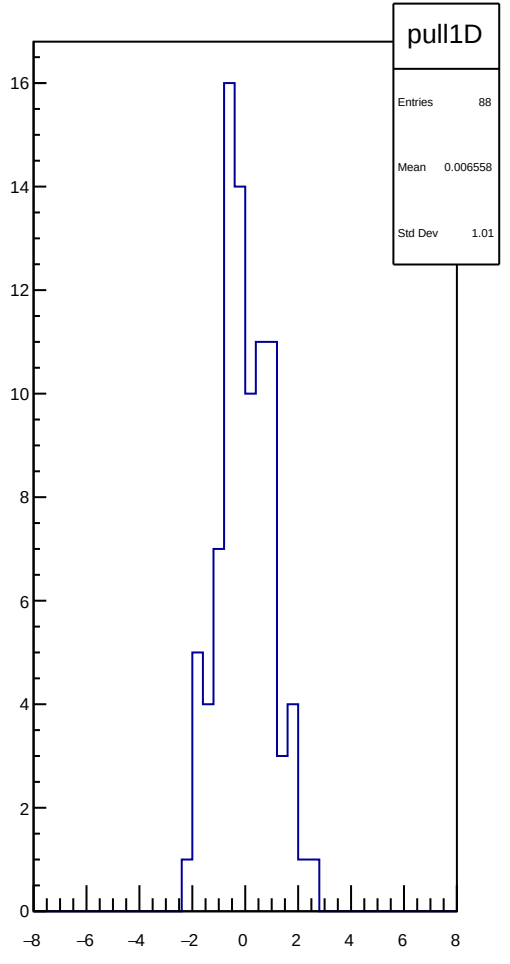

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 5641 / 87
p0 115.5 ± 0.08895
150
140
130
120
110
100

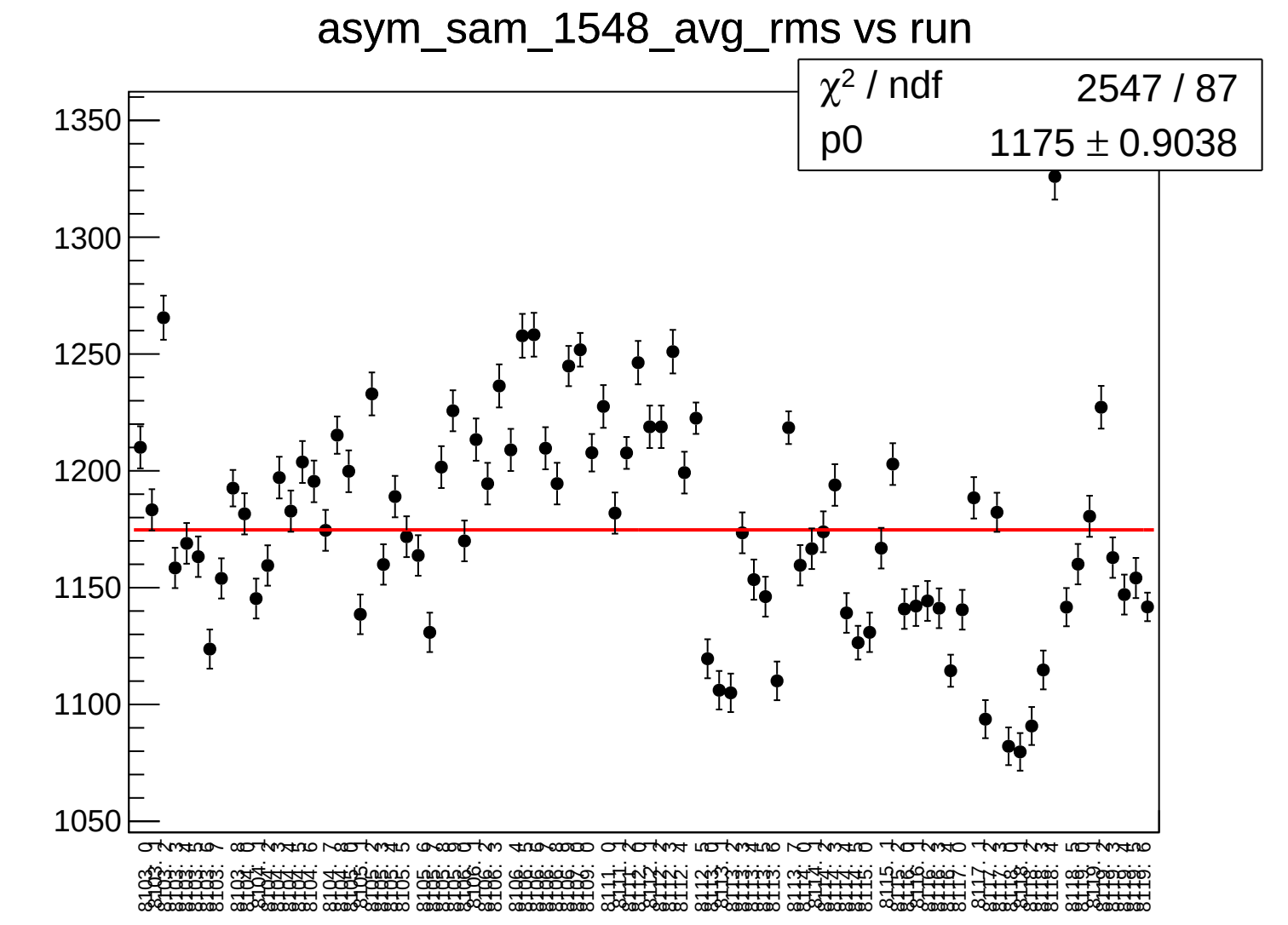

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 91.29 / 87
p0 −2199 ± 1279
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 726.7
Std Dev 676.8
2
1
0
−1
−2

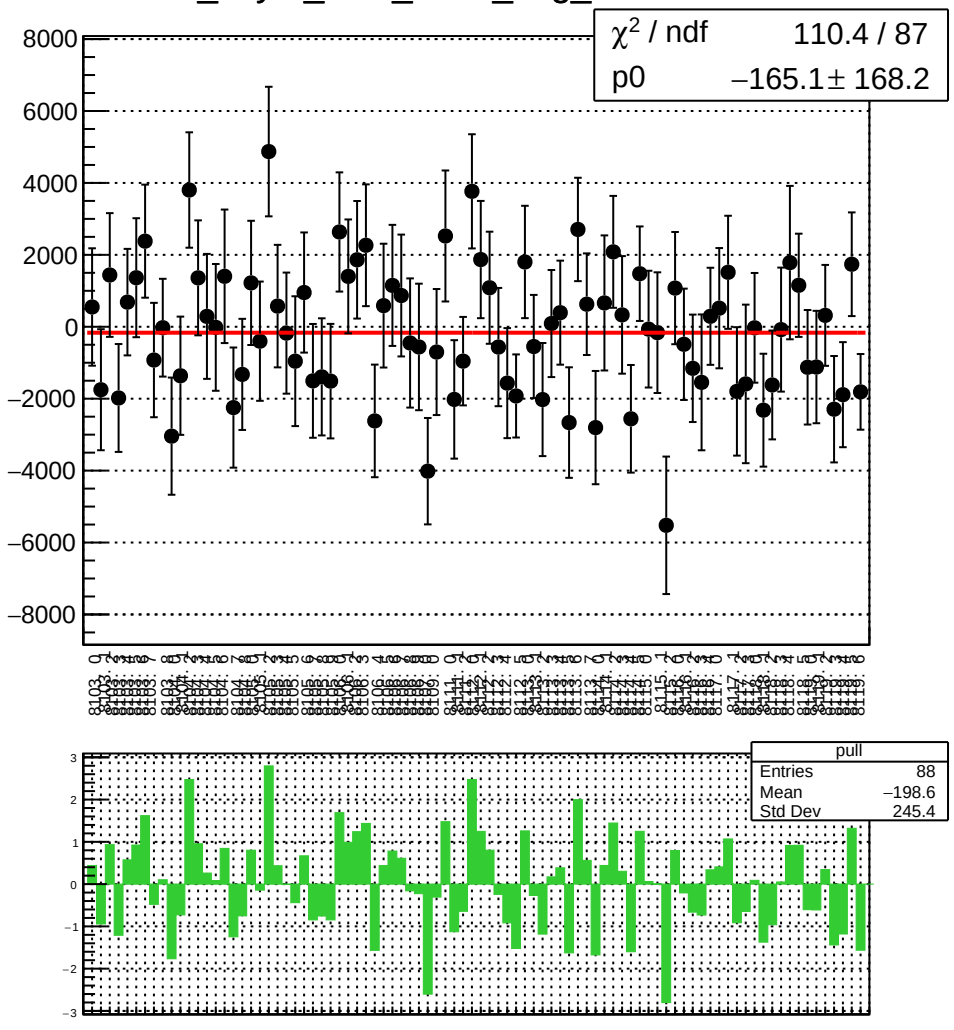

pull1D
Entries 88
Mean −0.00631
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

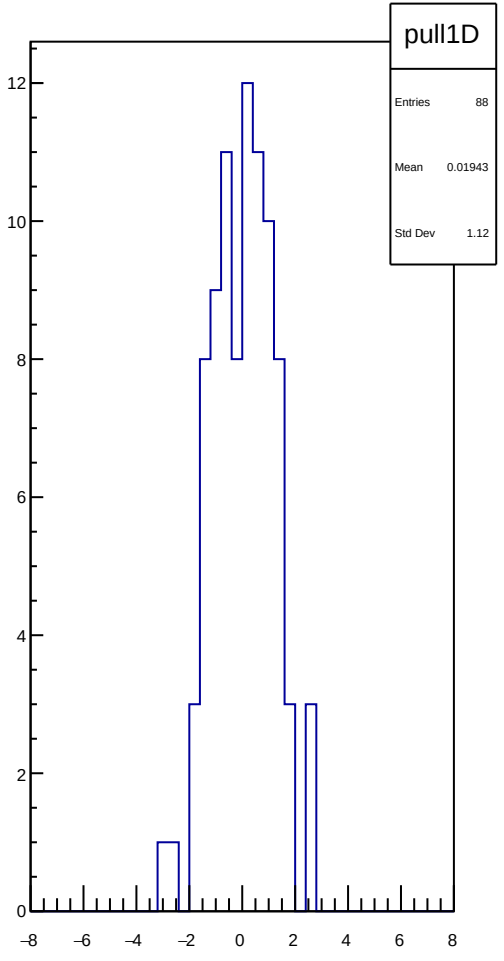

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2090 / 87
p0 1176 ± 0.9045
1350
1300
1250
1200
1150
1100

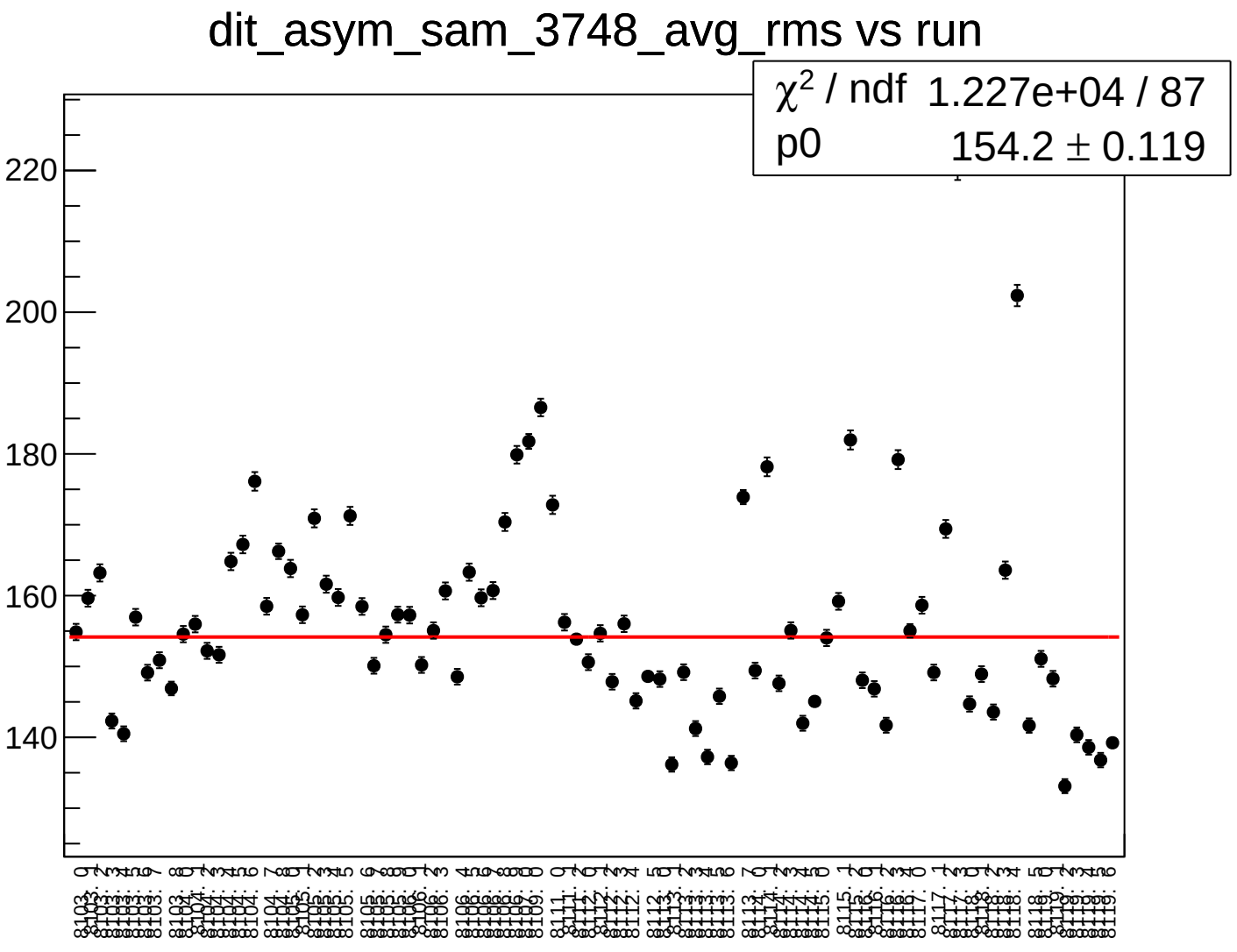

asym_sam_1548_avg_mean vs run
χ² / ndf 89.75 / 87
p0 2181 ± 1278
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 643.8
Std Dev 593.5
2
1
0
−1
−2

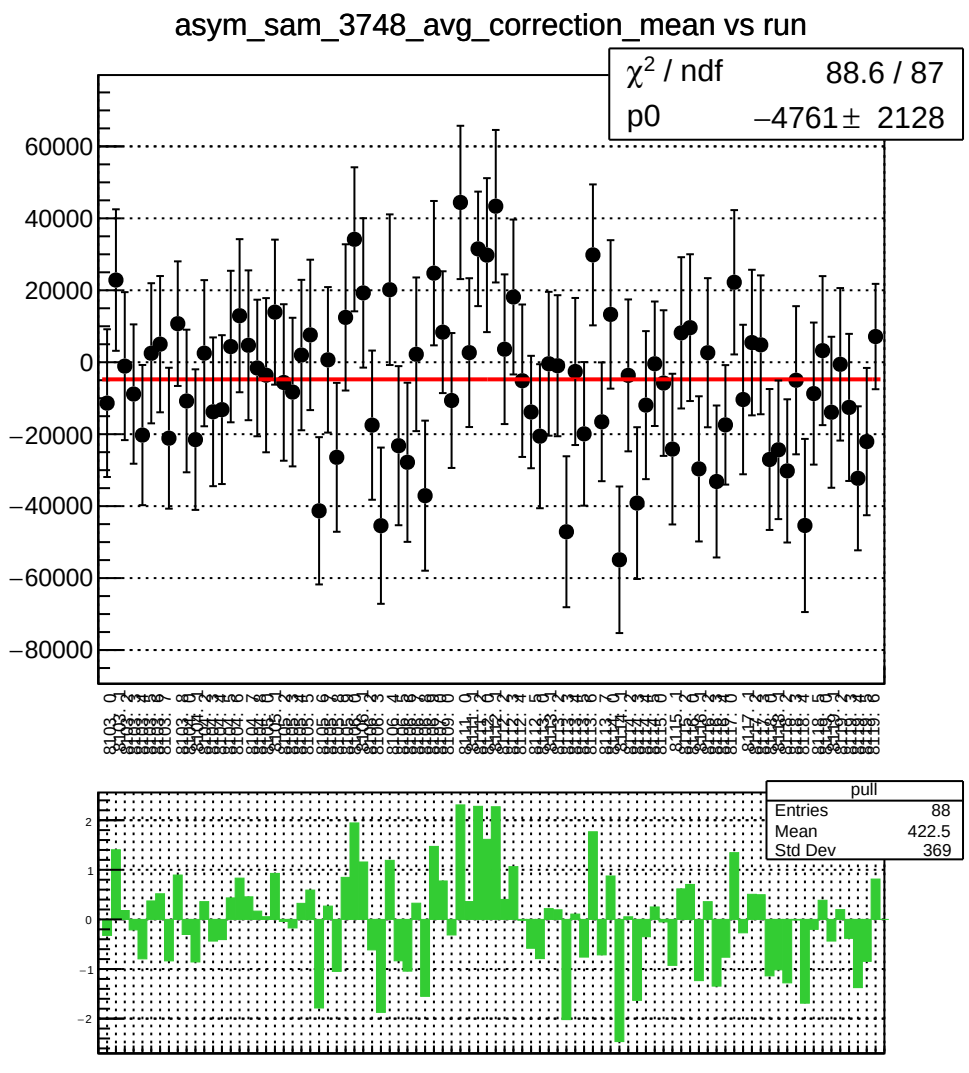

pull1D
Entries 88
Mean 0.006558
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

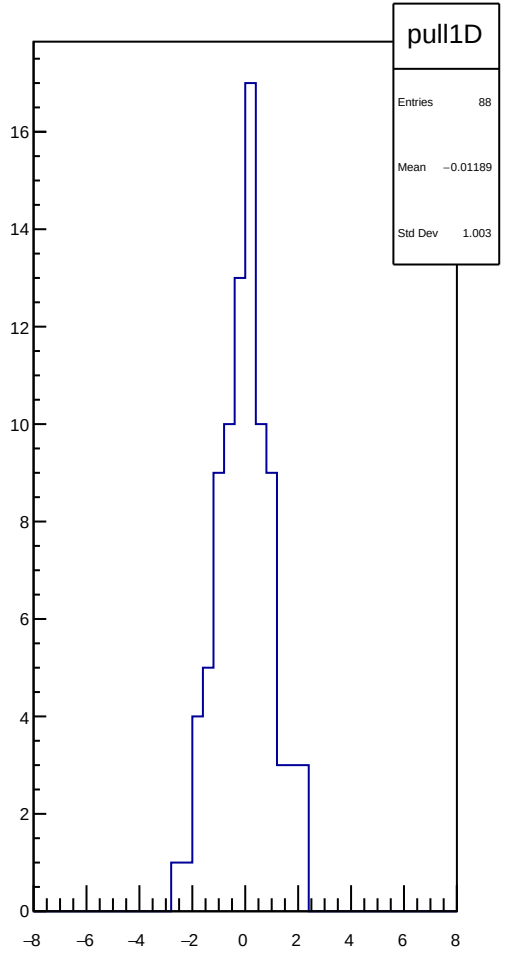

asym_sam_1548_avg_rms vs run
χ² / ndf 2547 / 87
p0 1175 ± 0.9038
1350
1300
1250
1200
1150
1100
1050

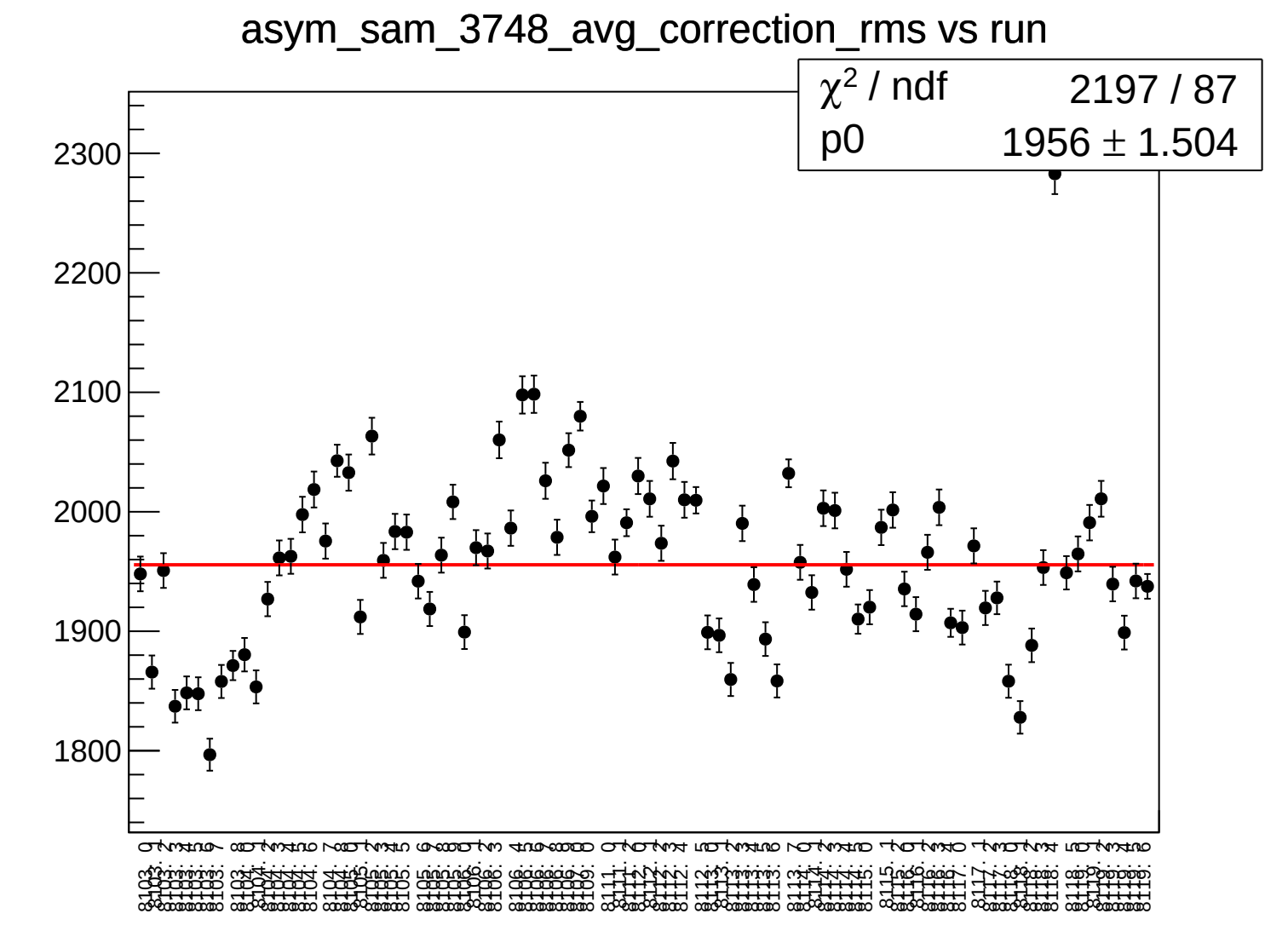

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 110.4 / 87
p0 −165.1± 168.2
pull
Entries 88
Mean −198.6
Std Dev 245.4

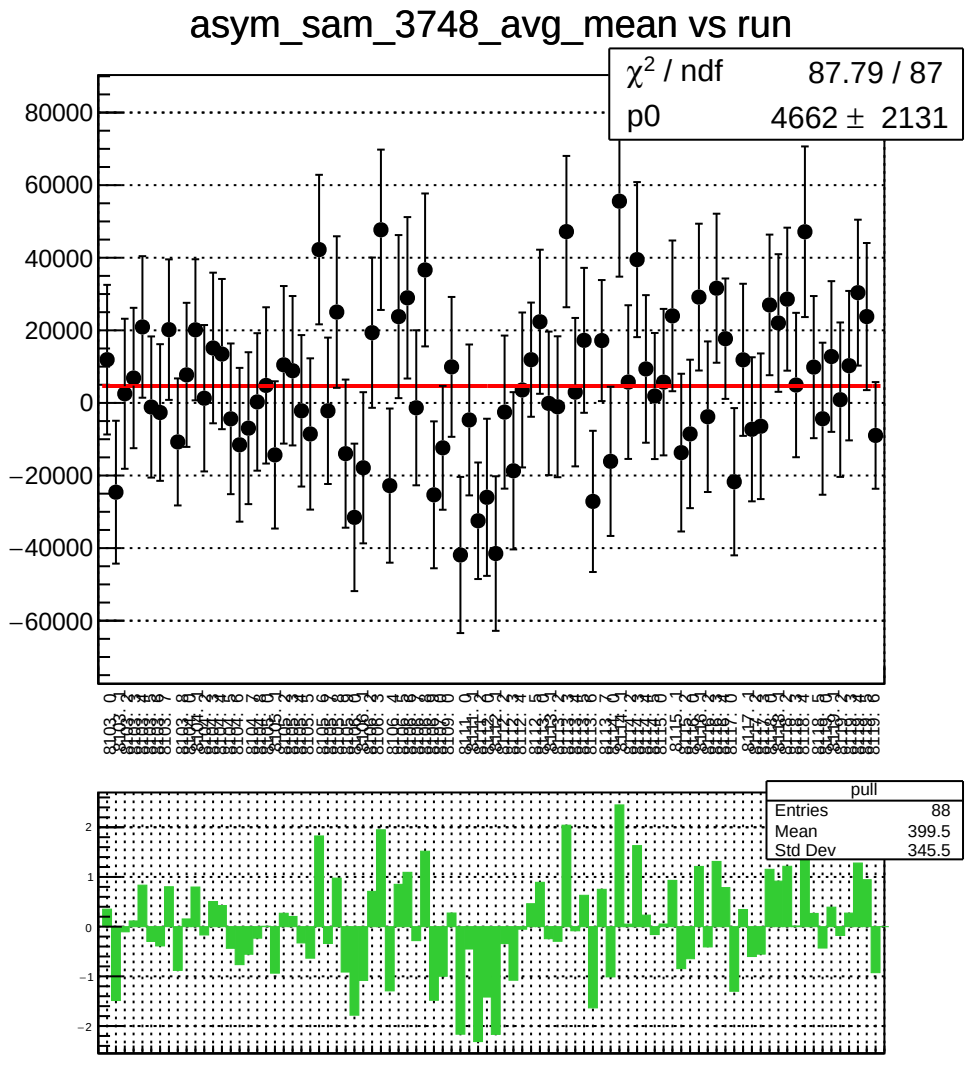

pull1D
Entries 88
Mean 0.01943
Std Dev 1.12

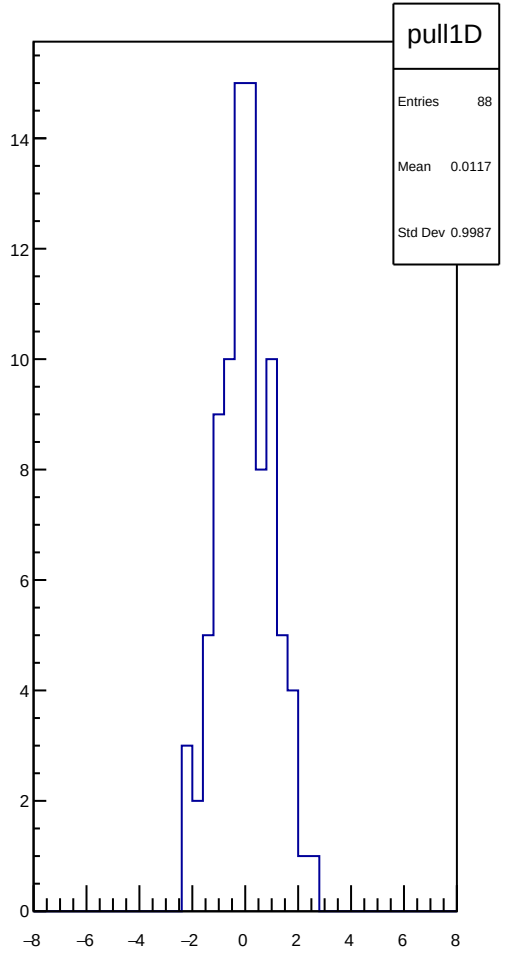

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 1.227e+04 / 87
p0 154.2 ± 0.119
220
200
180
160
140

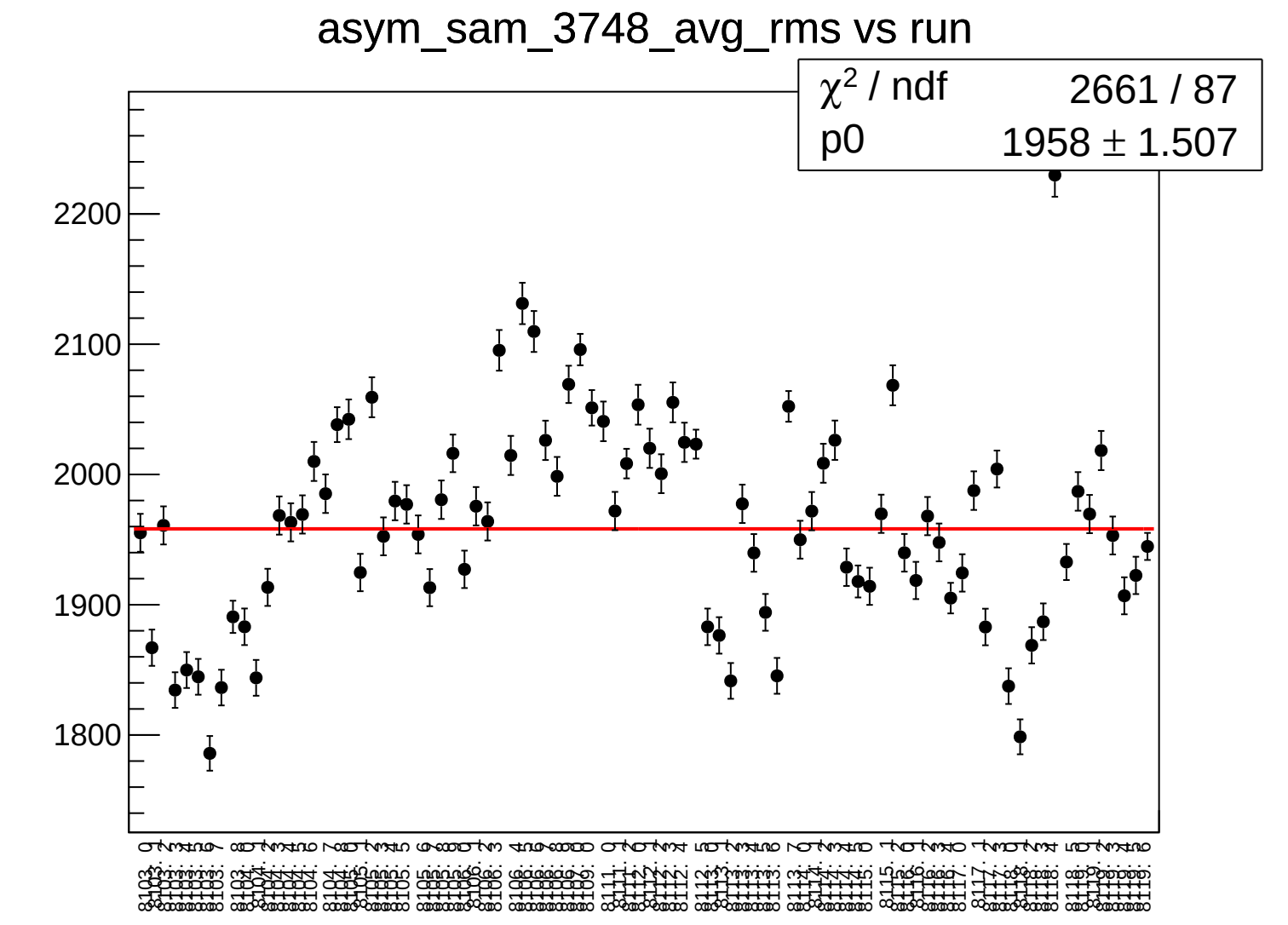

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 88.6 / 87
p0 −4761 ± 2128
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean 422.5
Std Dev 369
2
1
0
−1
−2

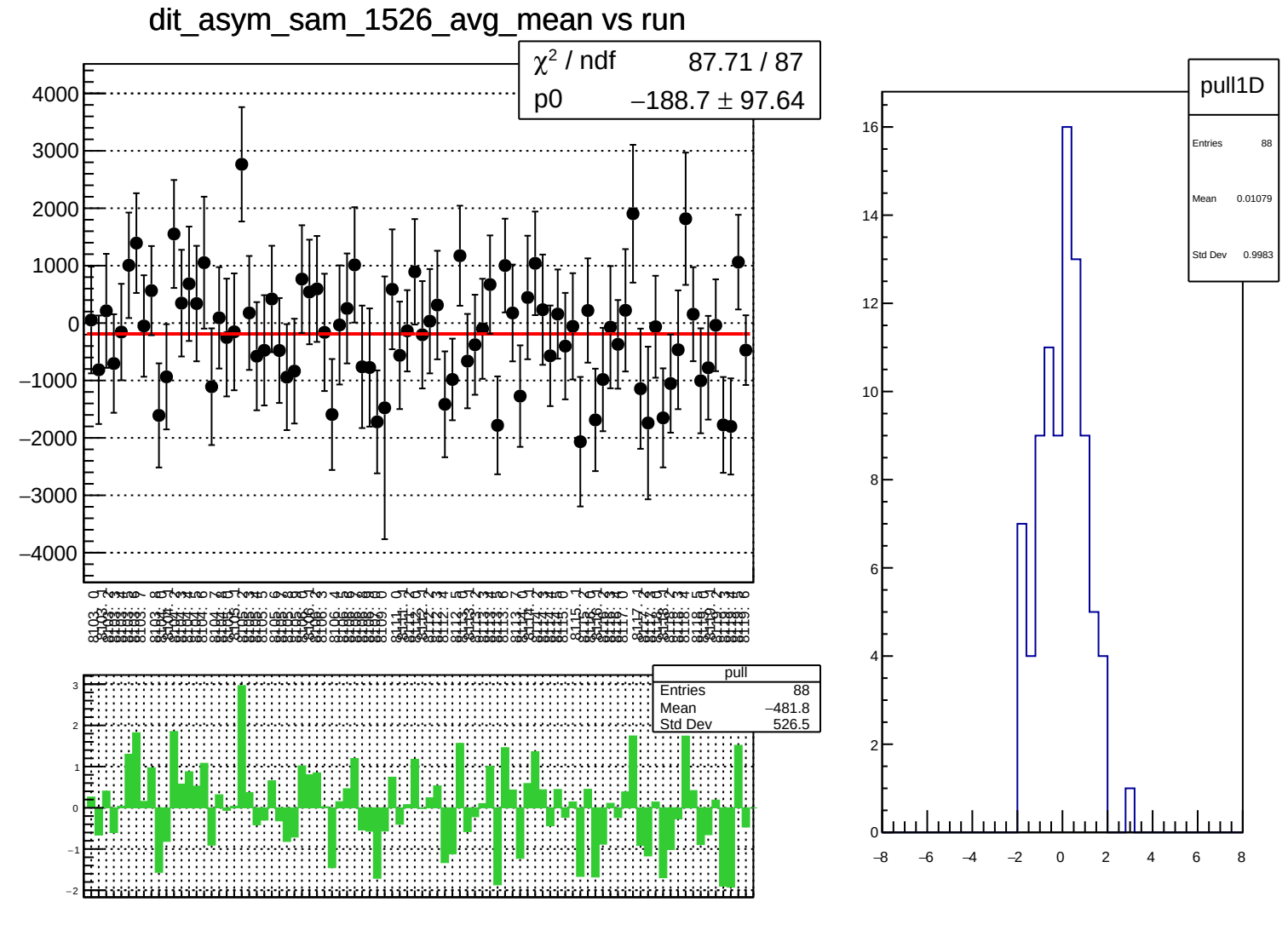

pull1D
Entries 88
Mean −0.01189
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

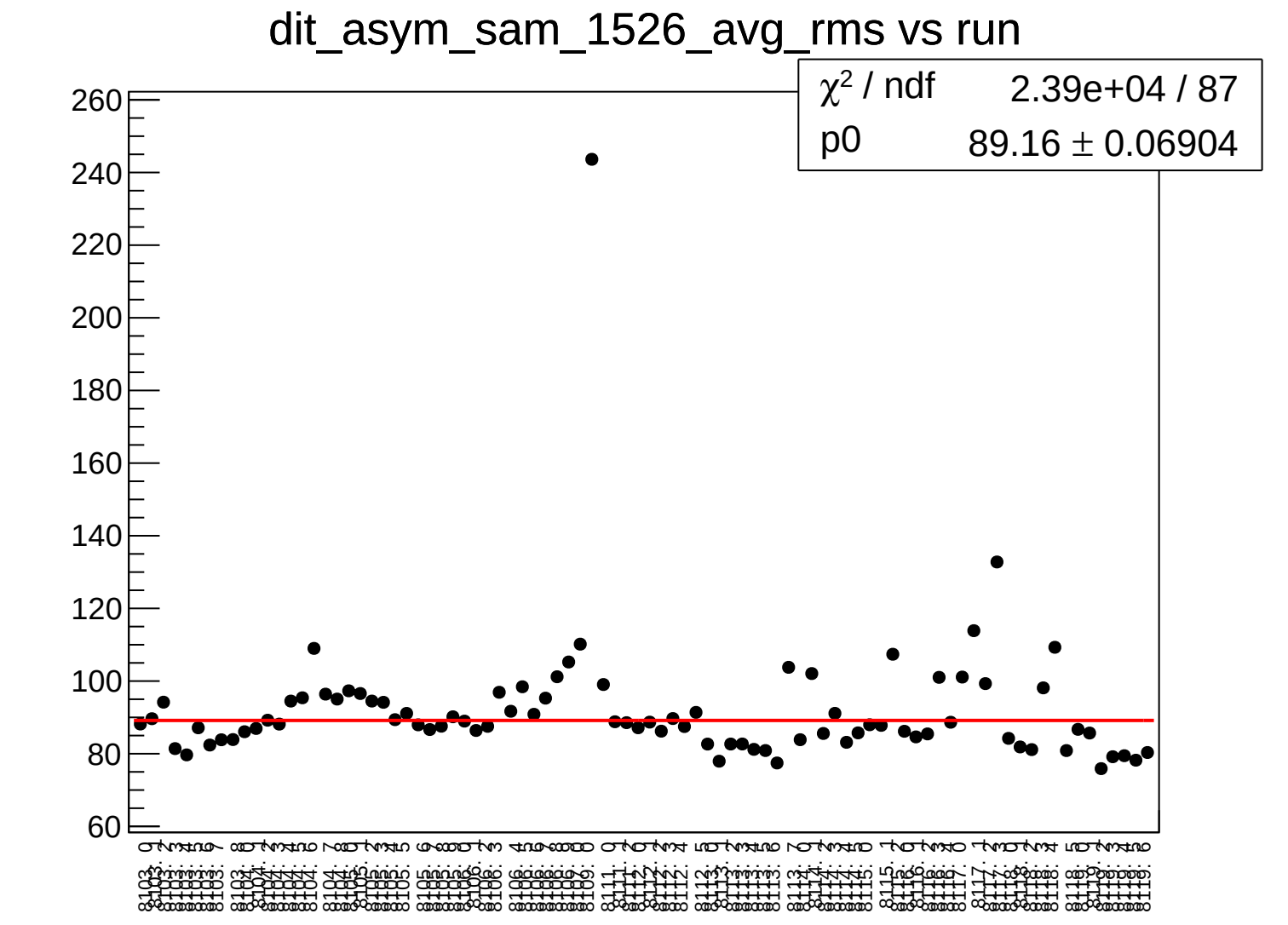

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2197 / 87
p0 1956 ± 1.504
2300
2200
2100
2000
1900
1800

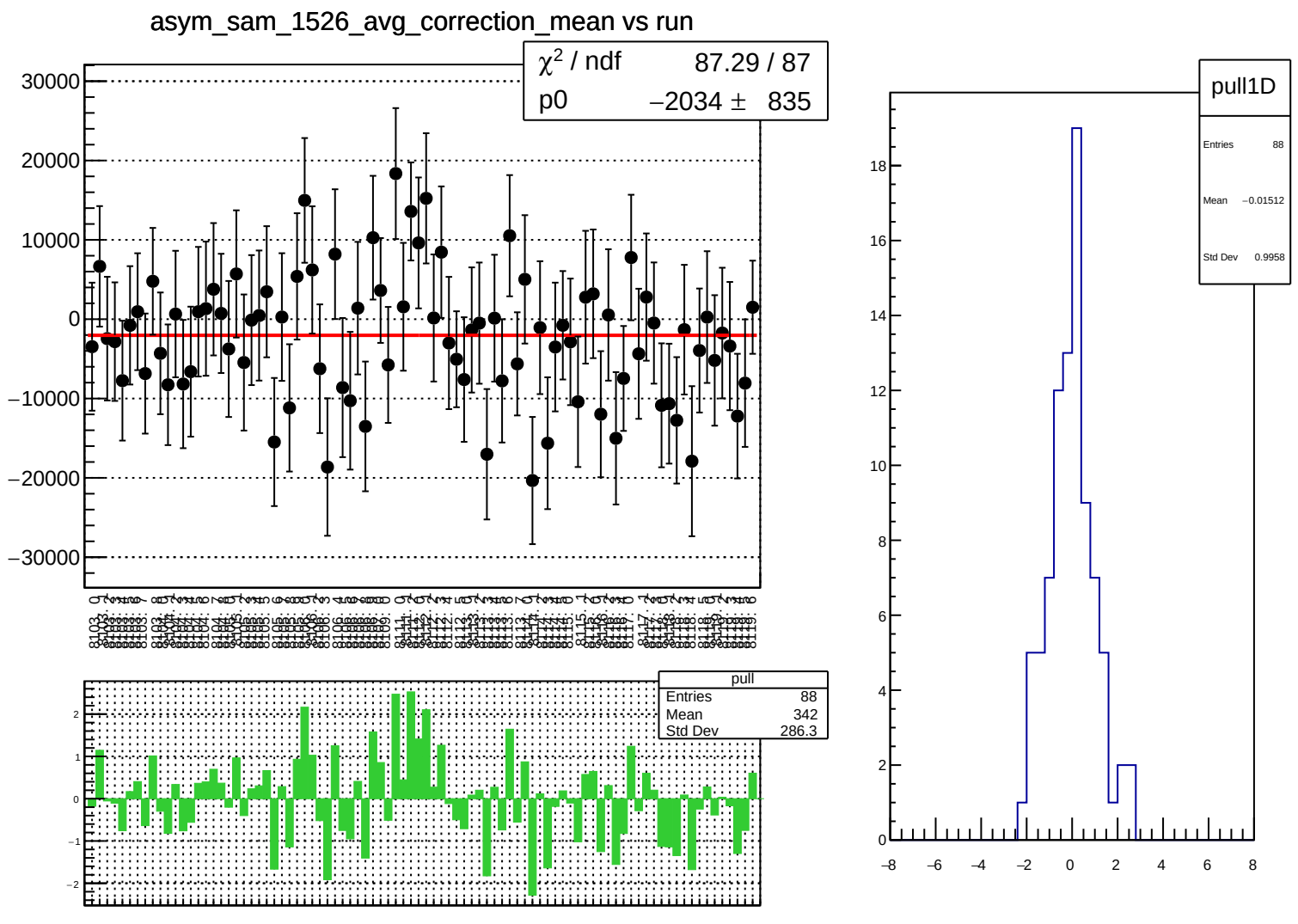

asym_sam_3748_avg_mean vs run
χ² / ndf 87.79 / 87
p0 4662 ± 2131
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 399.5
Std Dev 345.5
2
1
0
−1
−2

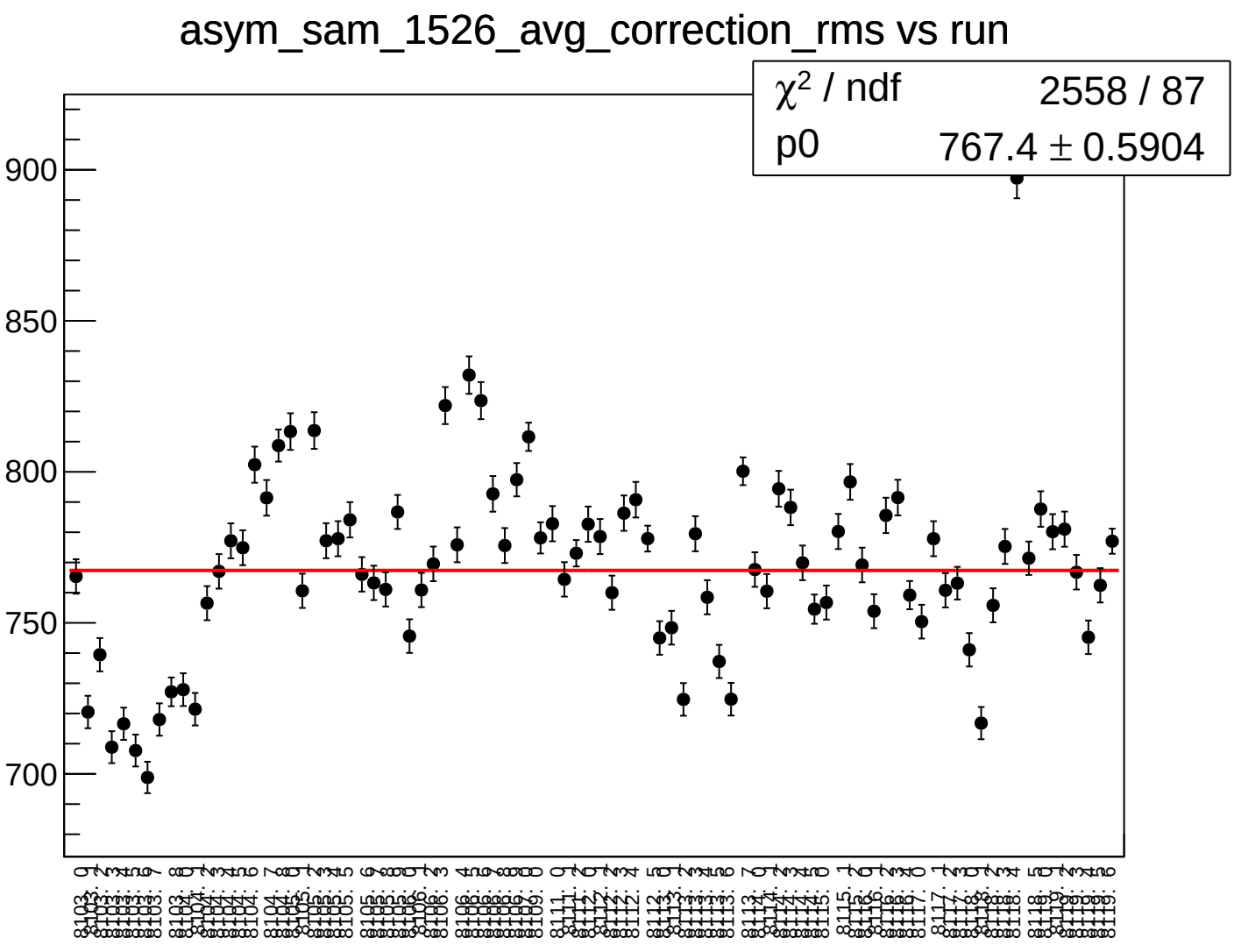

pull1D
Entries 88
Mean 0.0117
Std Dev 0.9987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

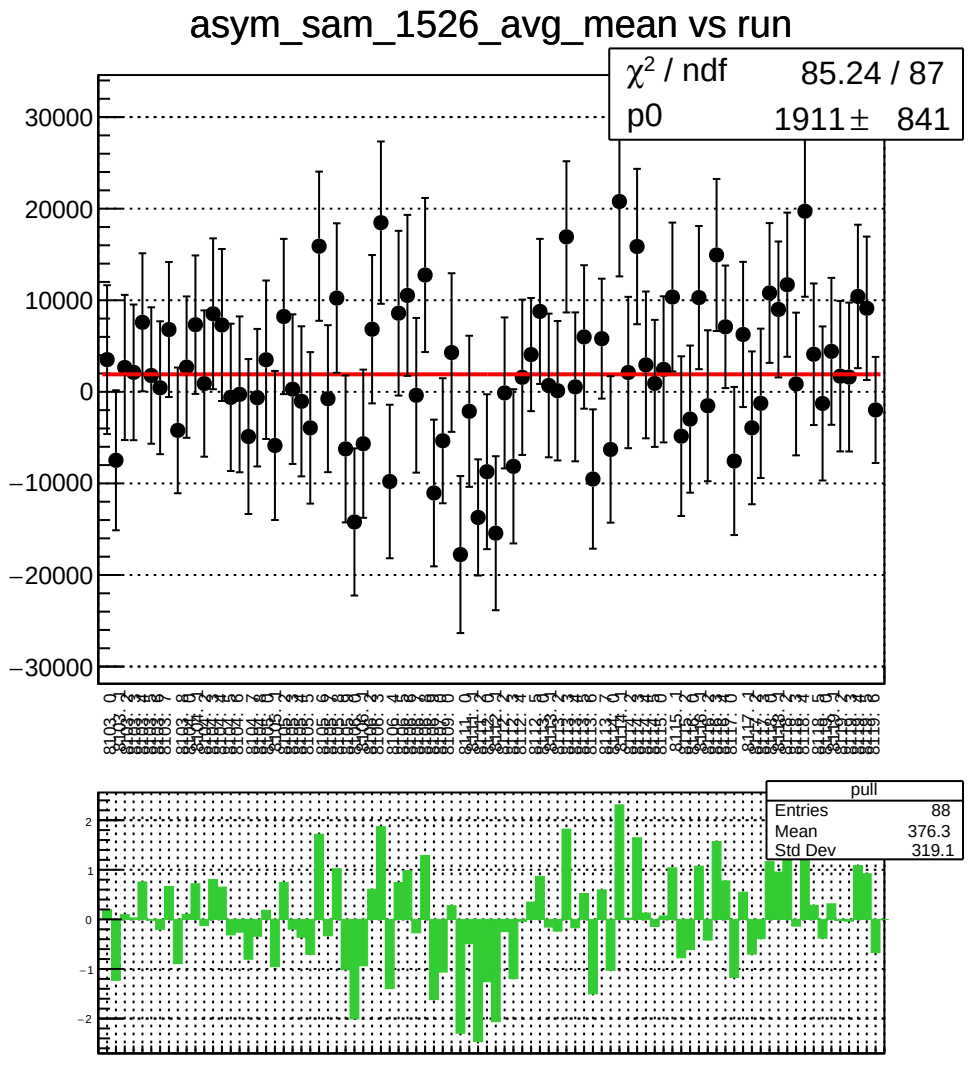

asym_sam_3748_avg_rms vs run
χ^2 / ndf 2661 / 87
p0 1958 ± 1.507
2200
2100
2000
1900
1800

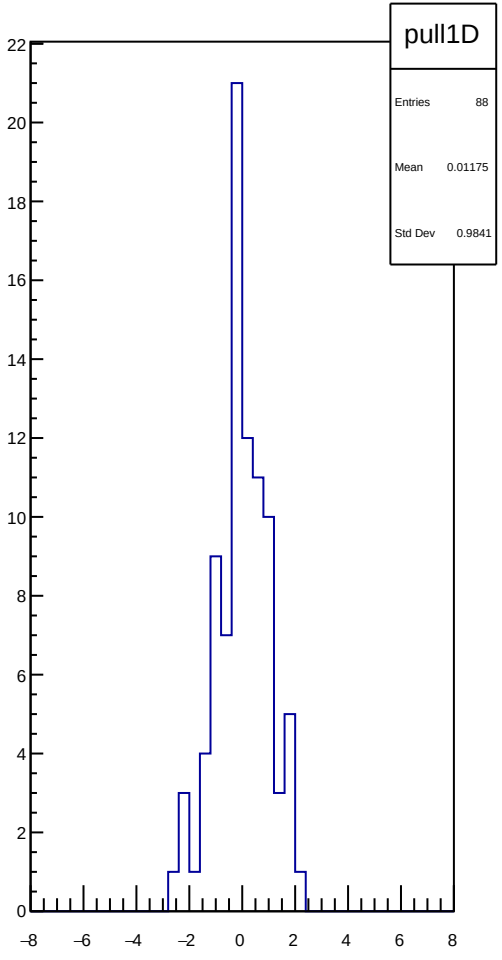

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 87.71 / 87
p0 −188.7 ± 97.64
pull
Entries 88
Mean −481.8
Std Dev 526.5
pull1D
Entries 88
Mean 0.01079
Std Dev 0.9983

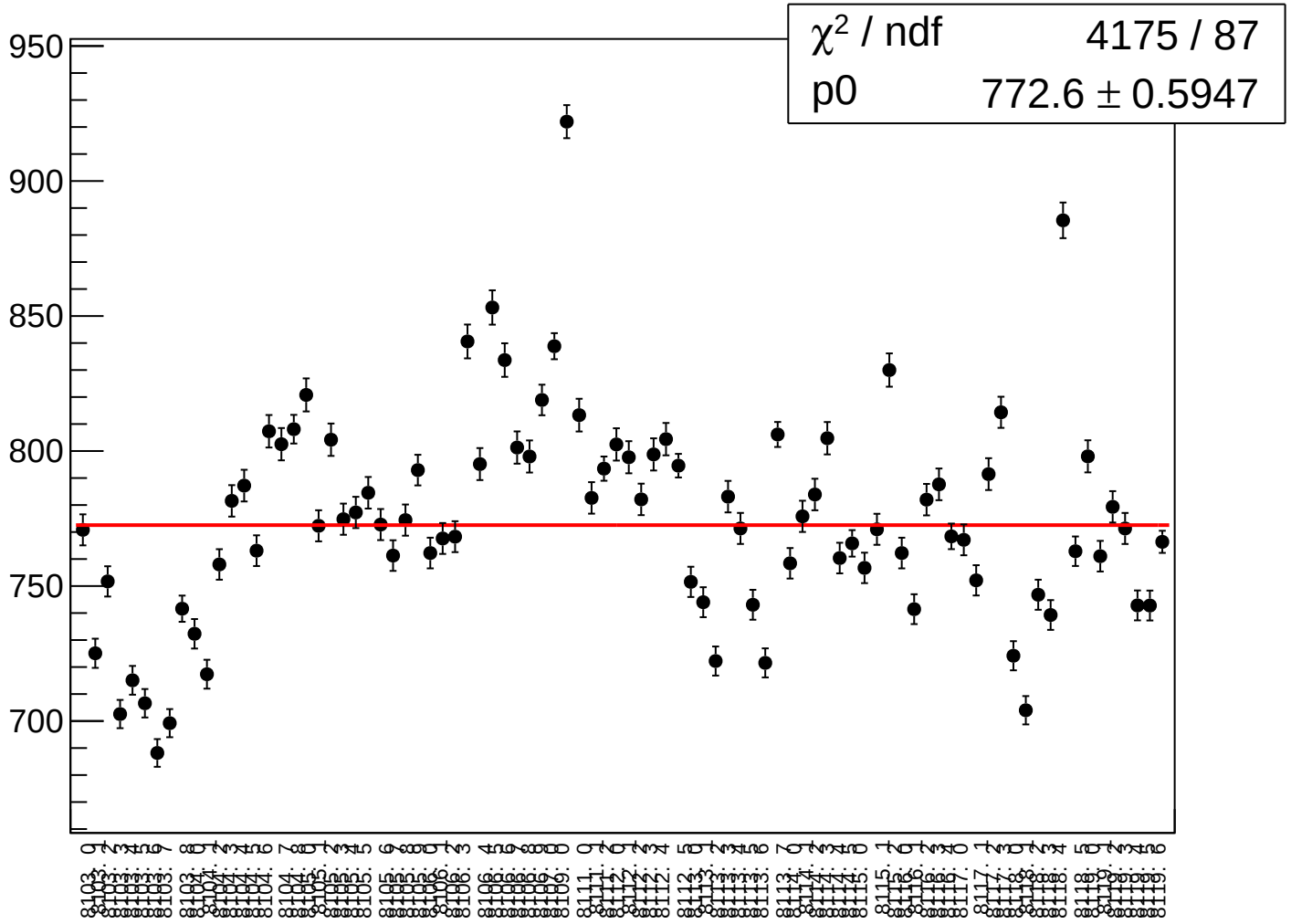

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 2.39e+04 / 87
p0 89.16 ± 0.06904
260
240
220
200
180
160
140
120
100
80
60

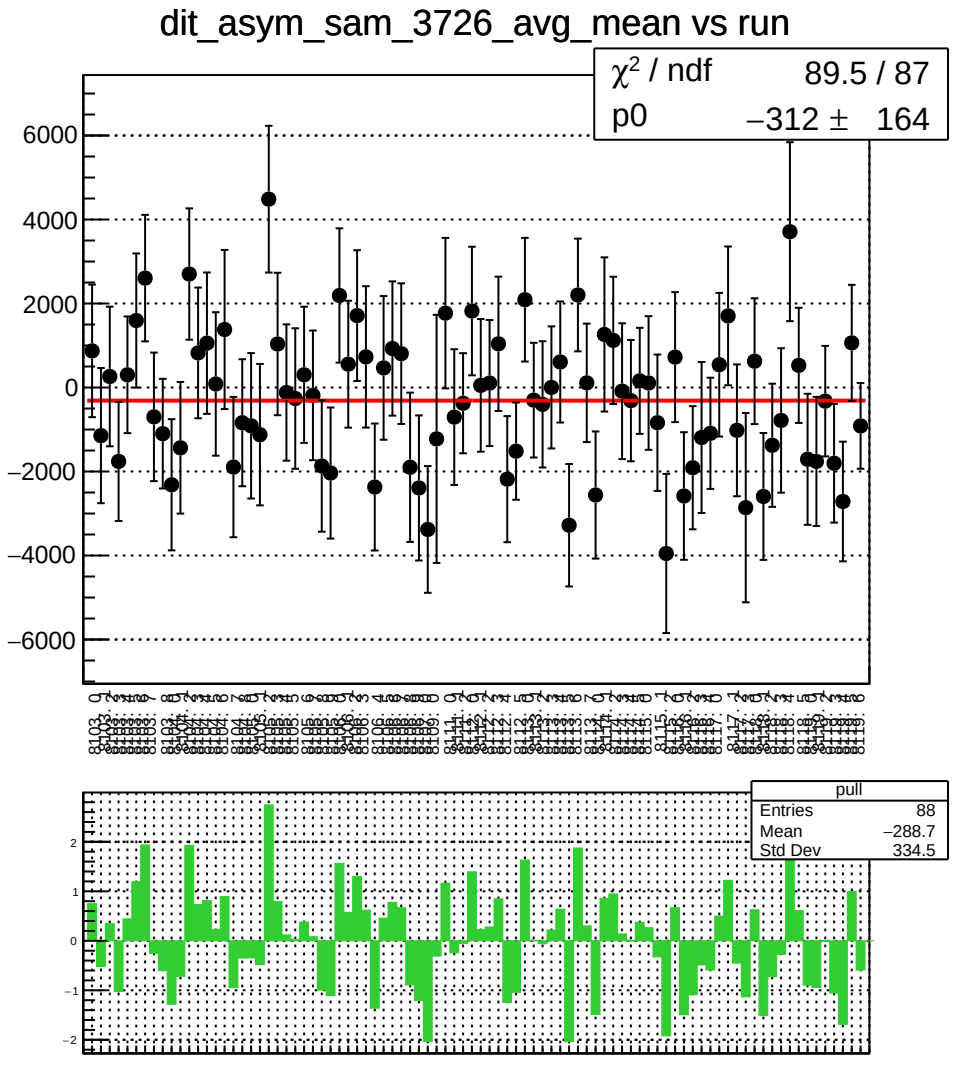

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 87.29 / 87
p0 −2034 ± 835
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 342
Std Dev 286.3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.01512
Std Dev 0.9958
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

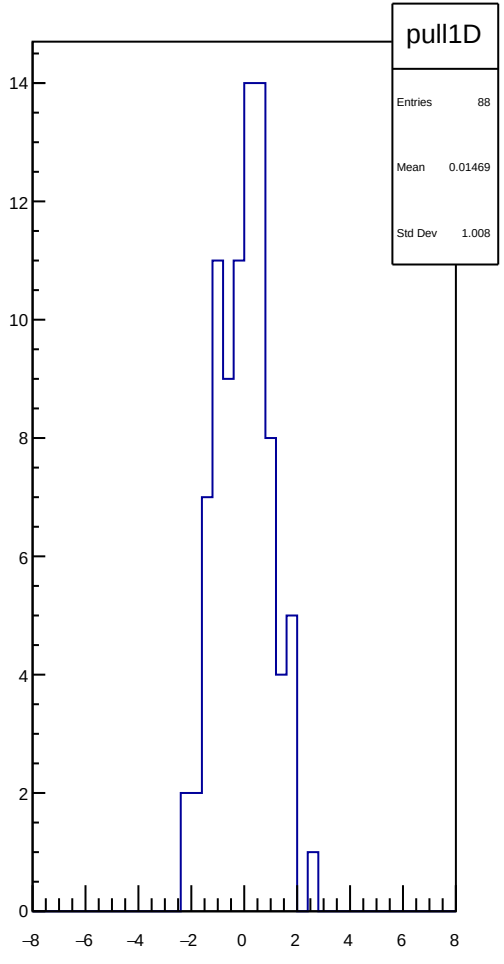

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2558 / 87
p0 767.4 ± 0.5904
900
850
800
750
700

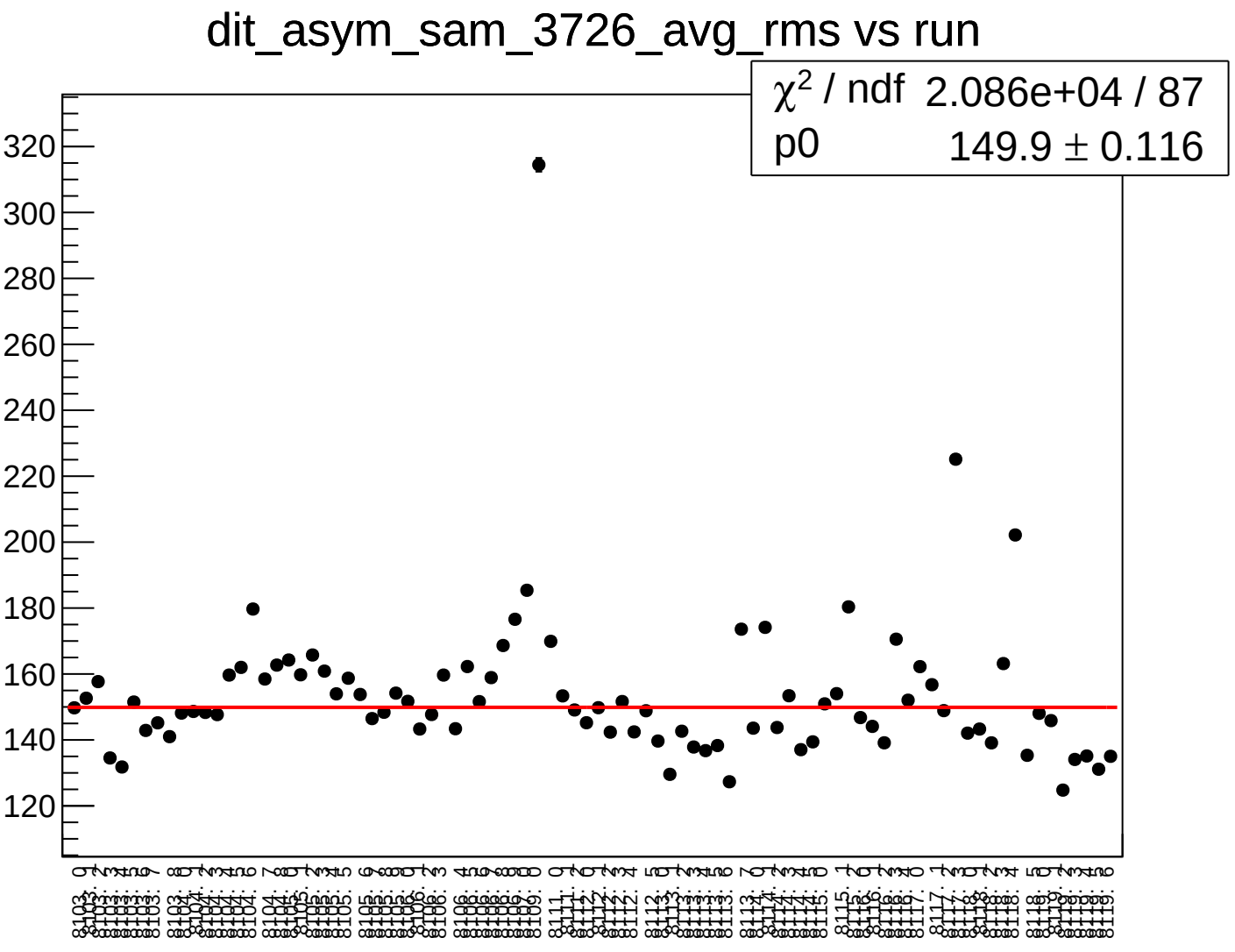

asym_sam_1526_avg_mean vs run
χ² / ndf 85.24 / 87
p0 1911 ± 841
pull
Entries 88
Mean 376.3
Std Dev 319.1

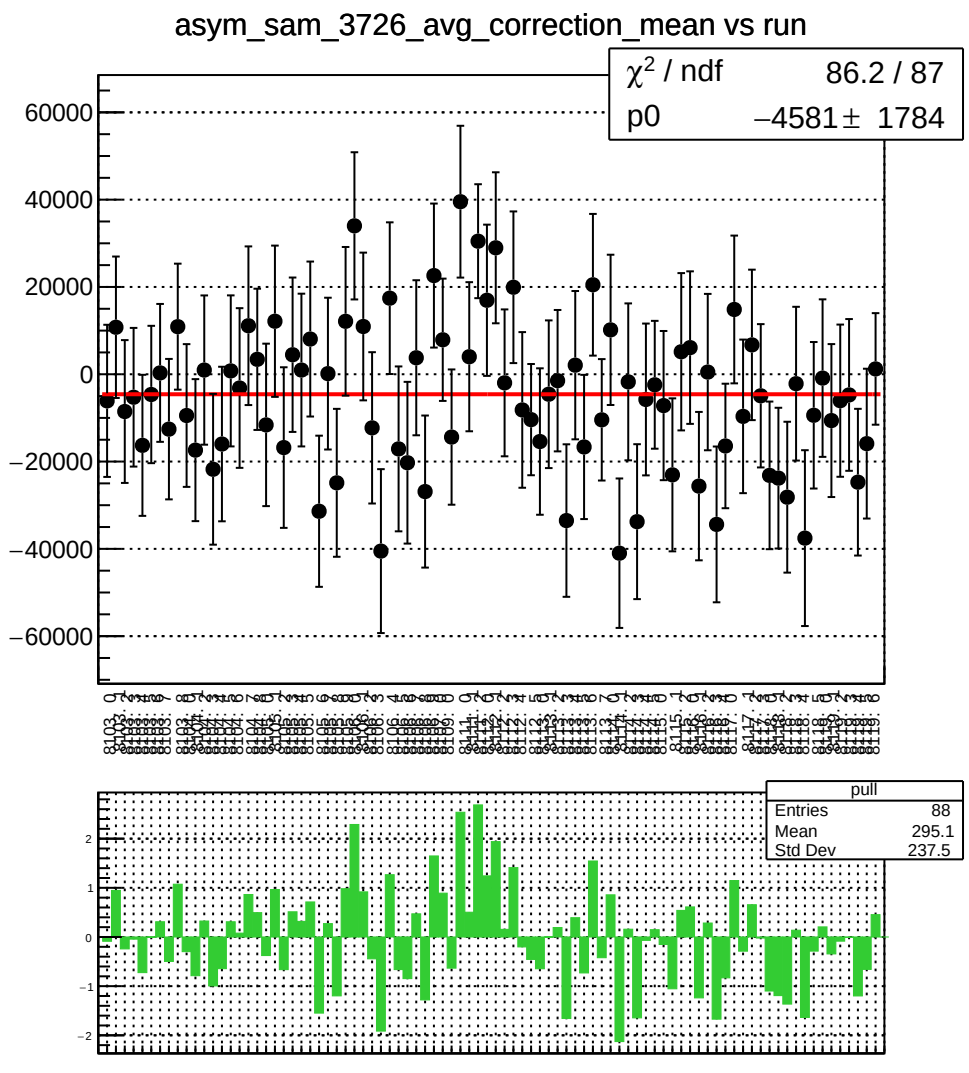

pull1D
Entries 88
Mean 0.01175
Std Dev 0.9841

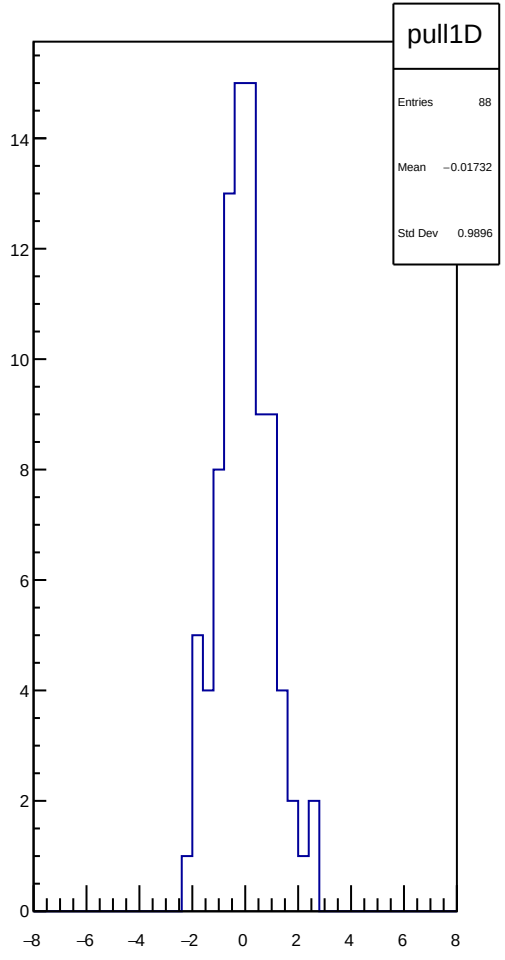

asym_sam_1526_avg_rms vs run
χ² / ndf 4175 / 87
p0 772.6 ± 0.5947
950
900
850
800
750
700

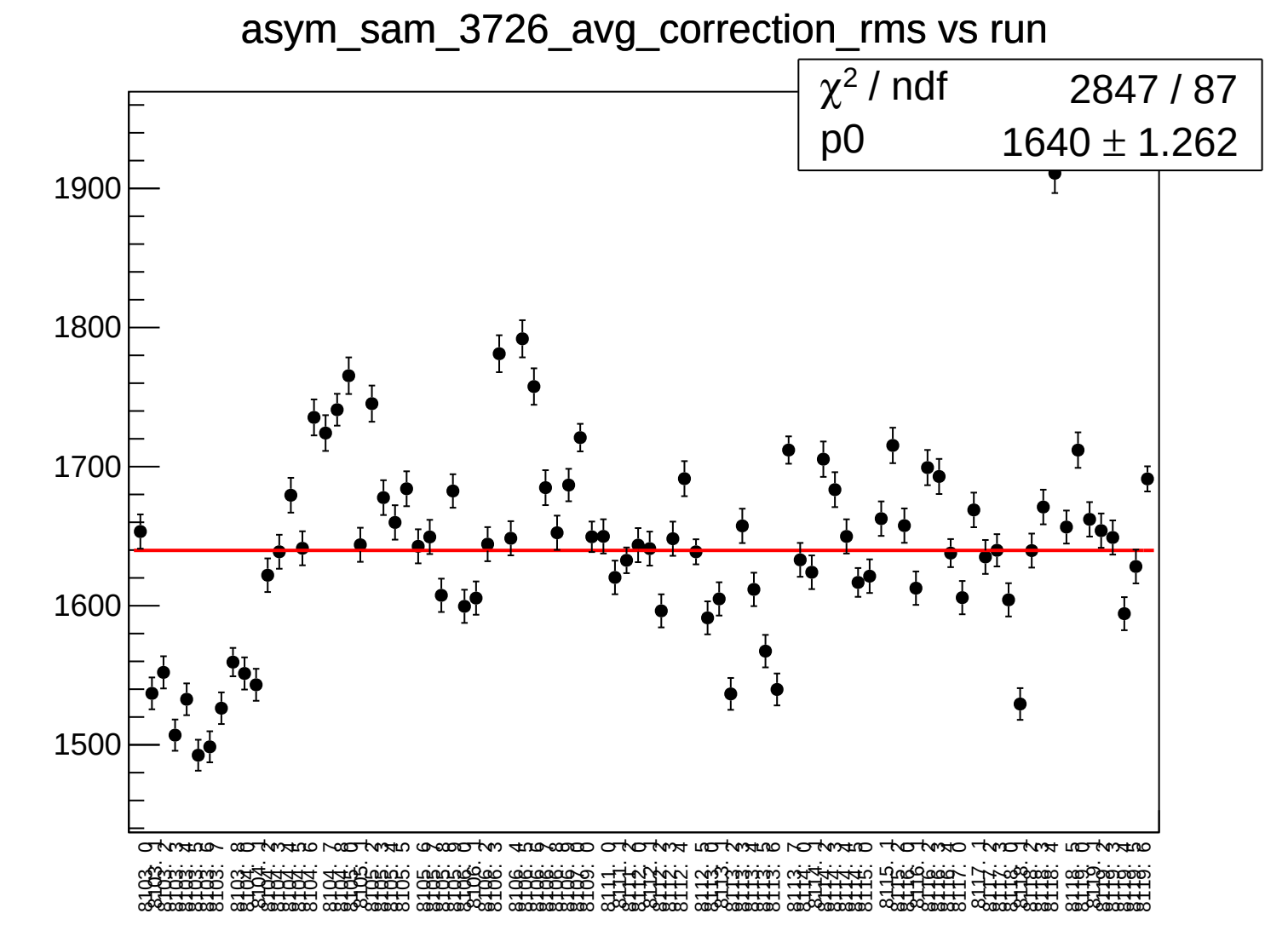

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 89.5 / 87
p0 −312 ± 164
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −288.7
Std Dev 334.5
2
1
0
−1
−2

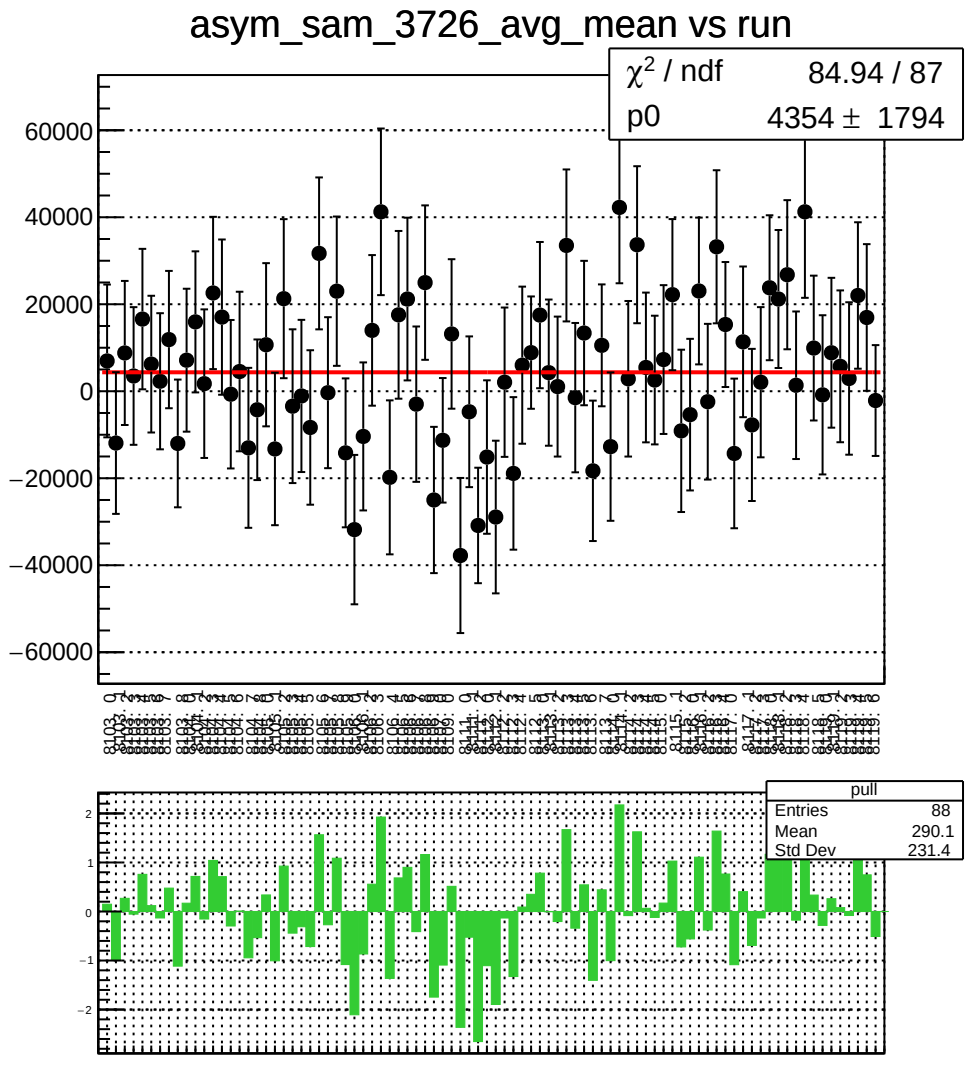

pull1D
Entries 88
Mean 0.01469
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

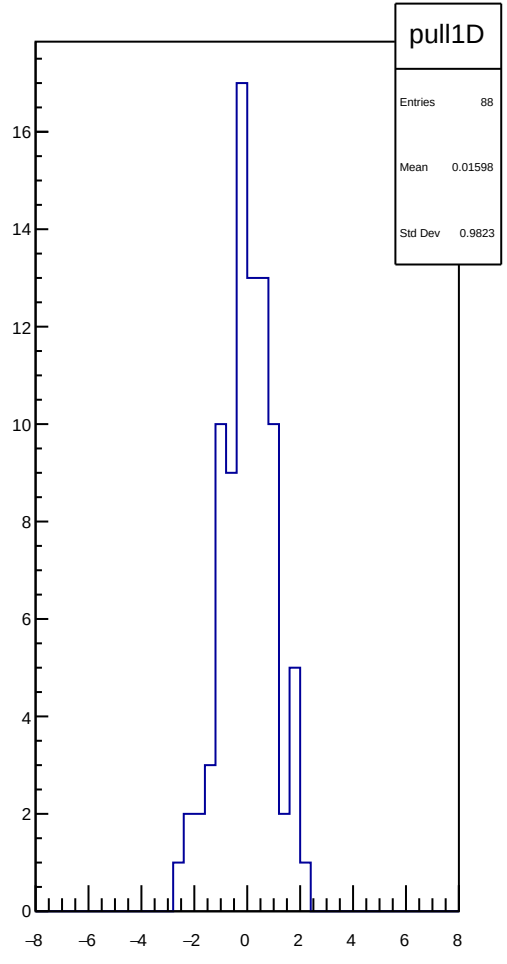

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.086e+04 / 87
p0 149.9 ± 0.116
320
300
280
260
240
220
200
180
160
140
120

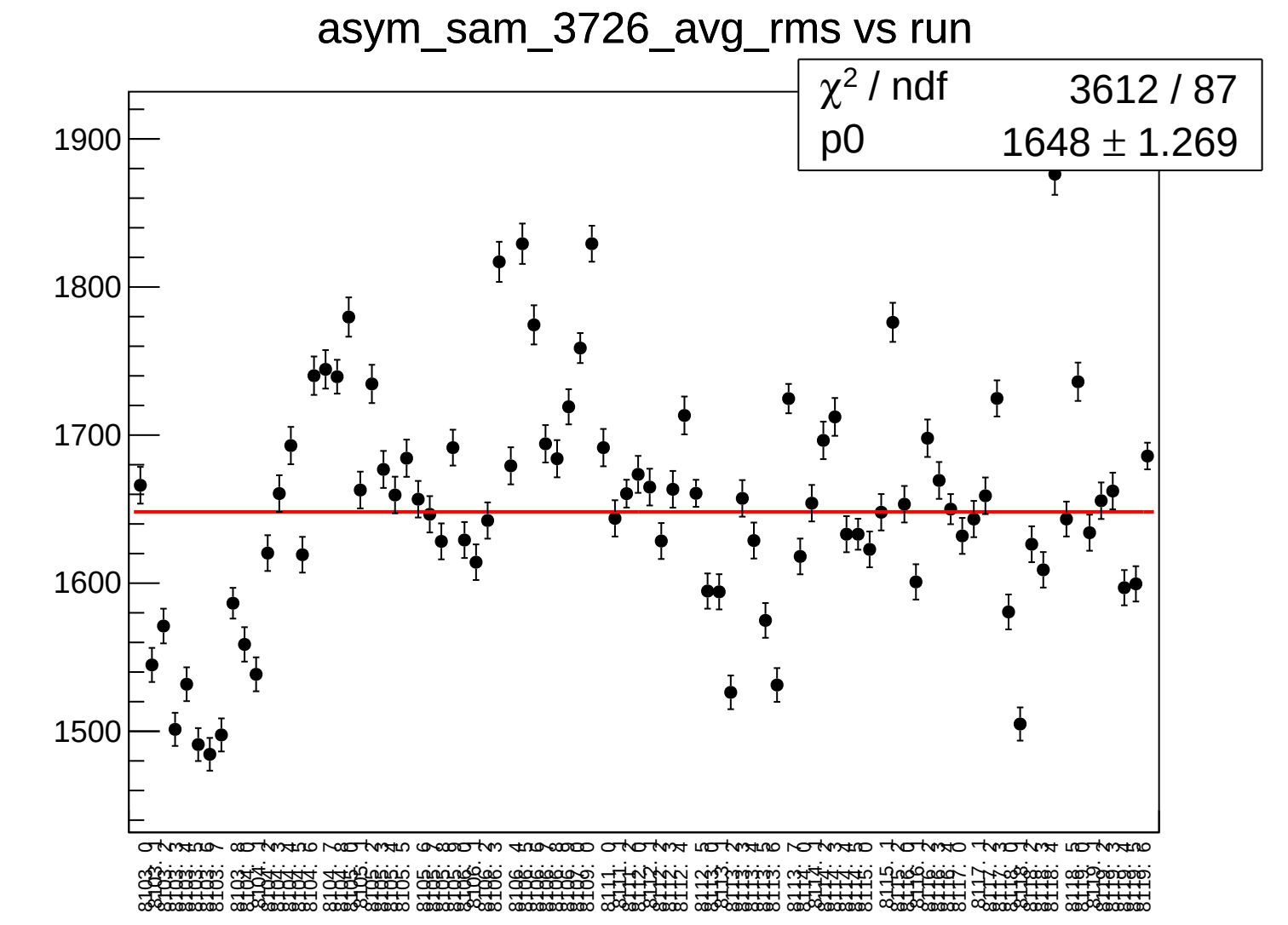

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 86.2 / 87
p0 −4581 ± 1784
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 295.1
Std Dev 237.5
2
1
0
−1
−2

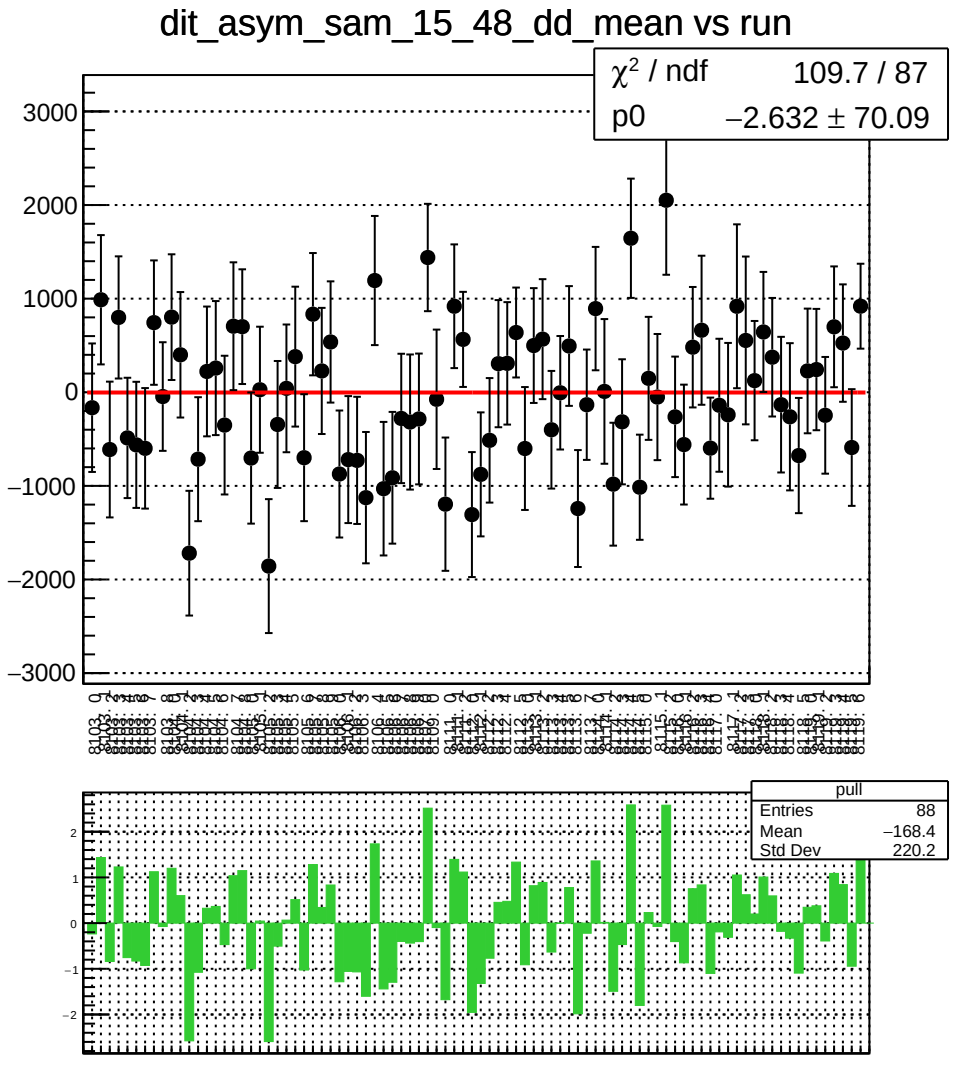

pull1D
Entries 88
Mean −0.01732
Std Dev 0.9896
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

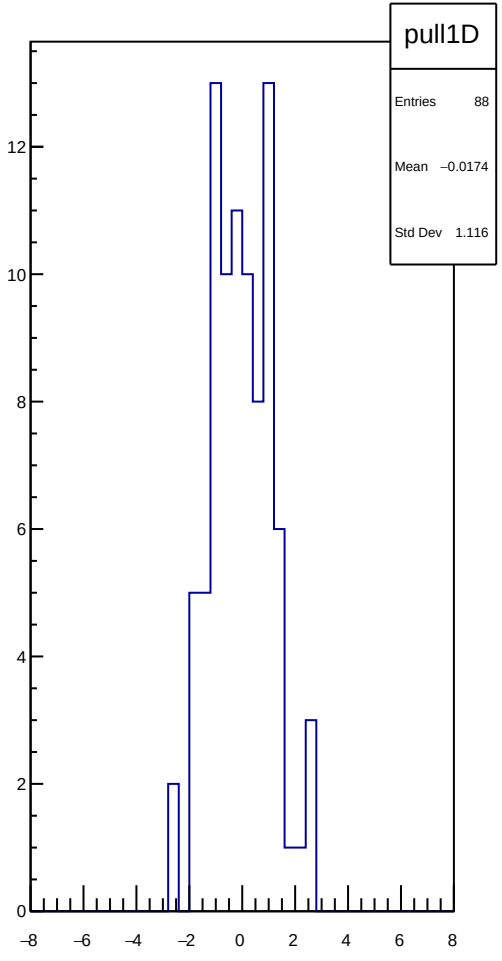

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2847 / 87
p0 1640 ± 1.262
1900
1800
1700
1600
1500

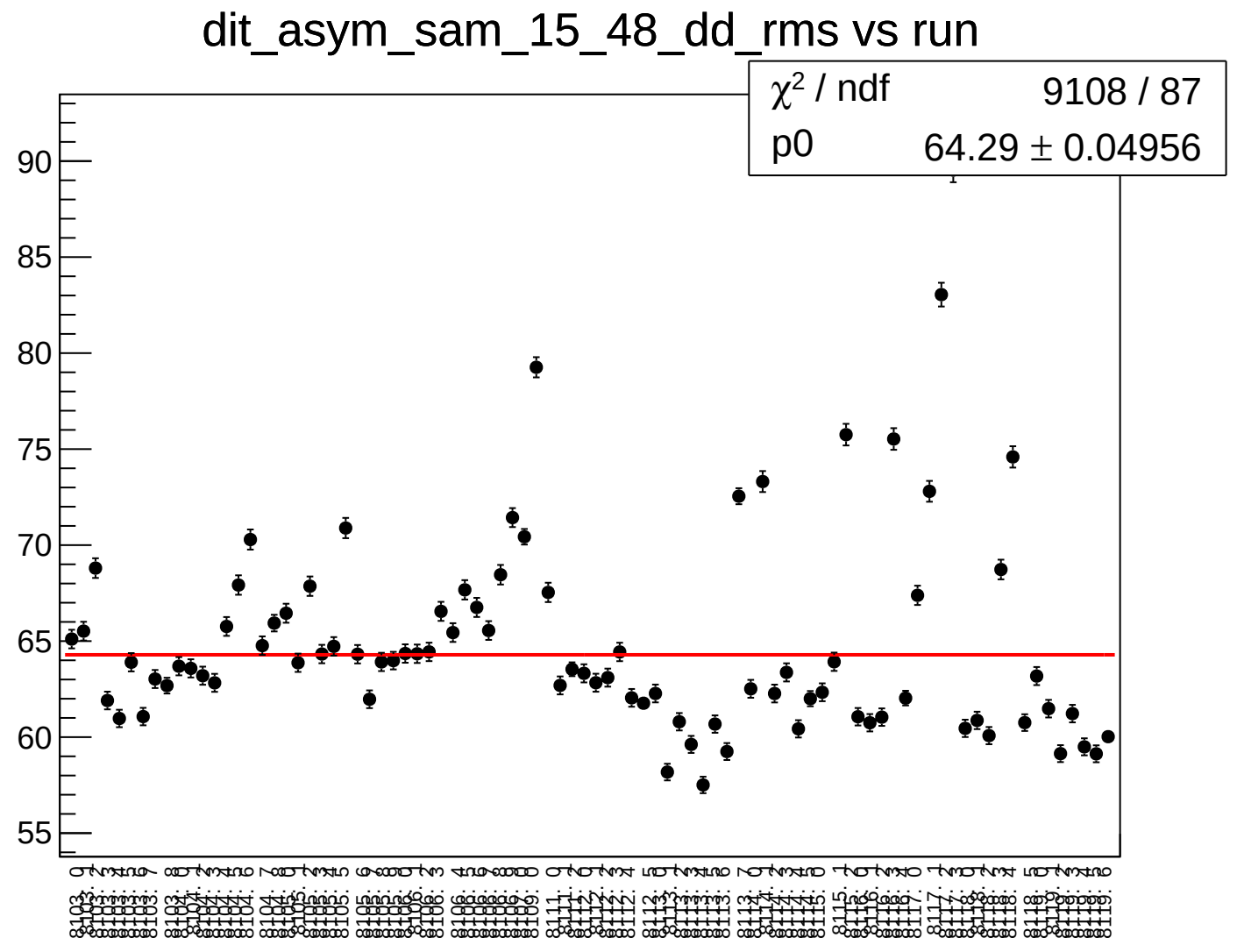

asym_sam_3726_avg_mean vs run
χ² / ndf 84.94 / 87
p0 4354 ± 1794
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 290.1
Std Dev 231.4
2
1
0
−1
−2

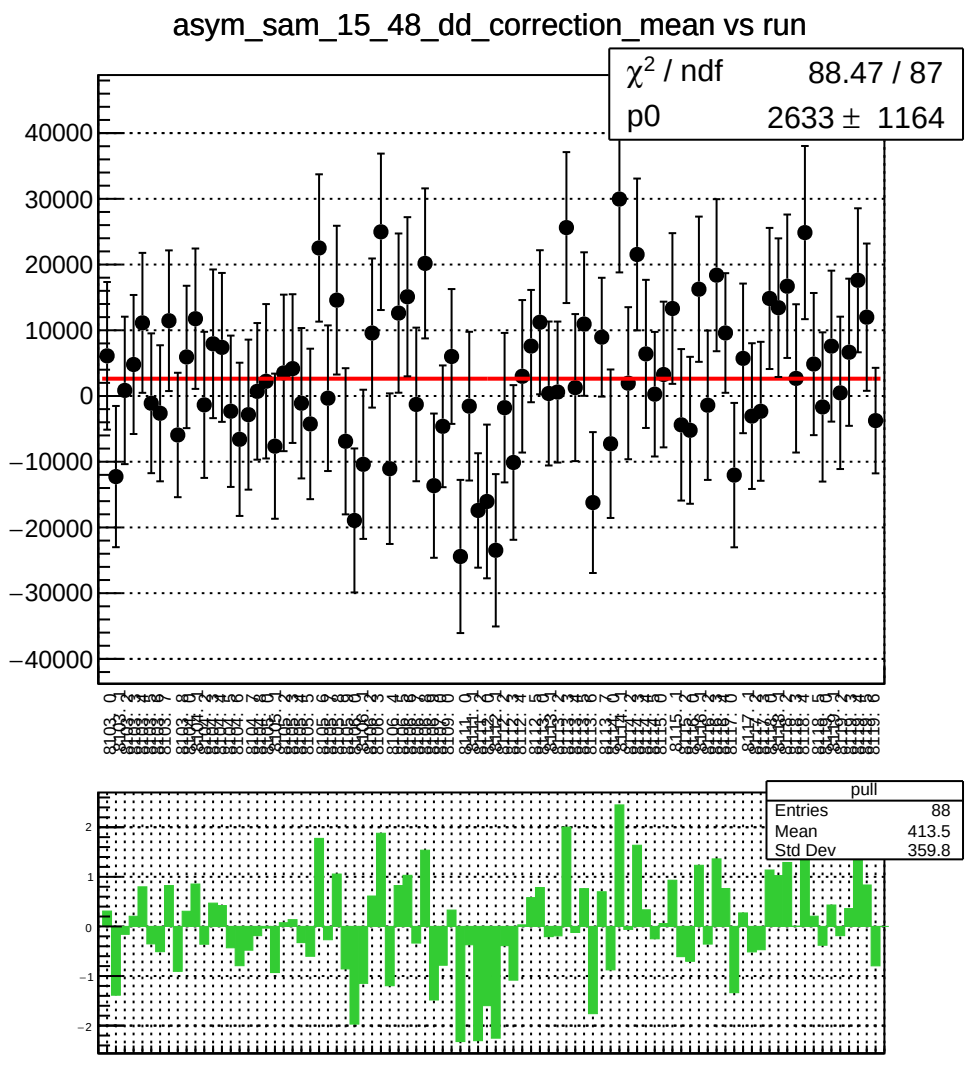

pull1D
Entries 88
Mean 0.01598
Std Dev 0.9823
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

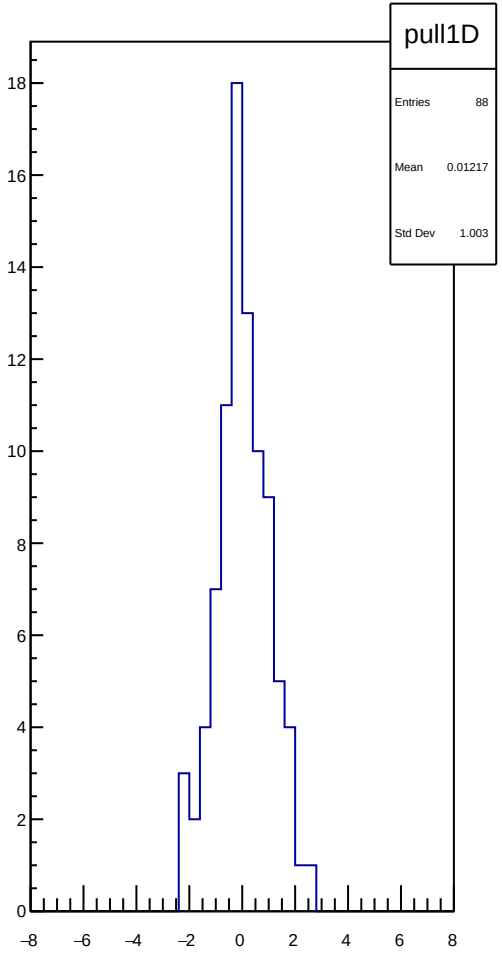

asym_sam_3726_avg_rms vs run
χ² / ndf 3612 / 87
p0 1648 ± 1.269
1900
1800
1700
1600
1500

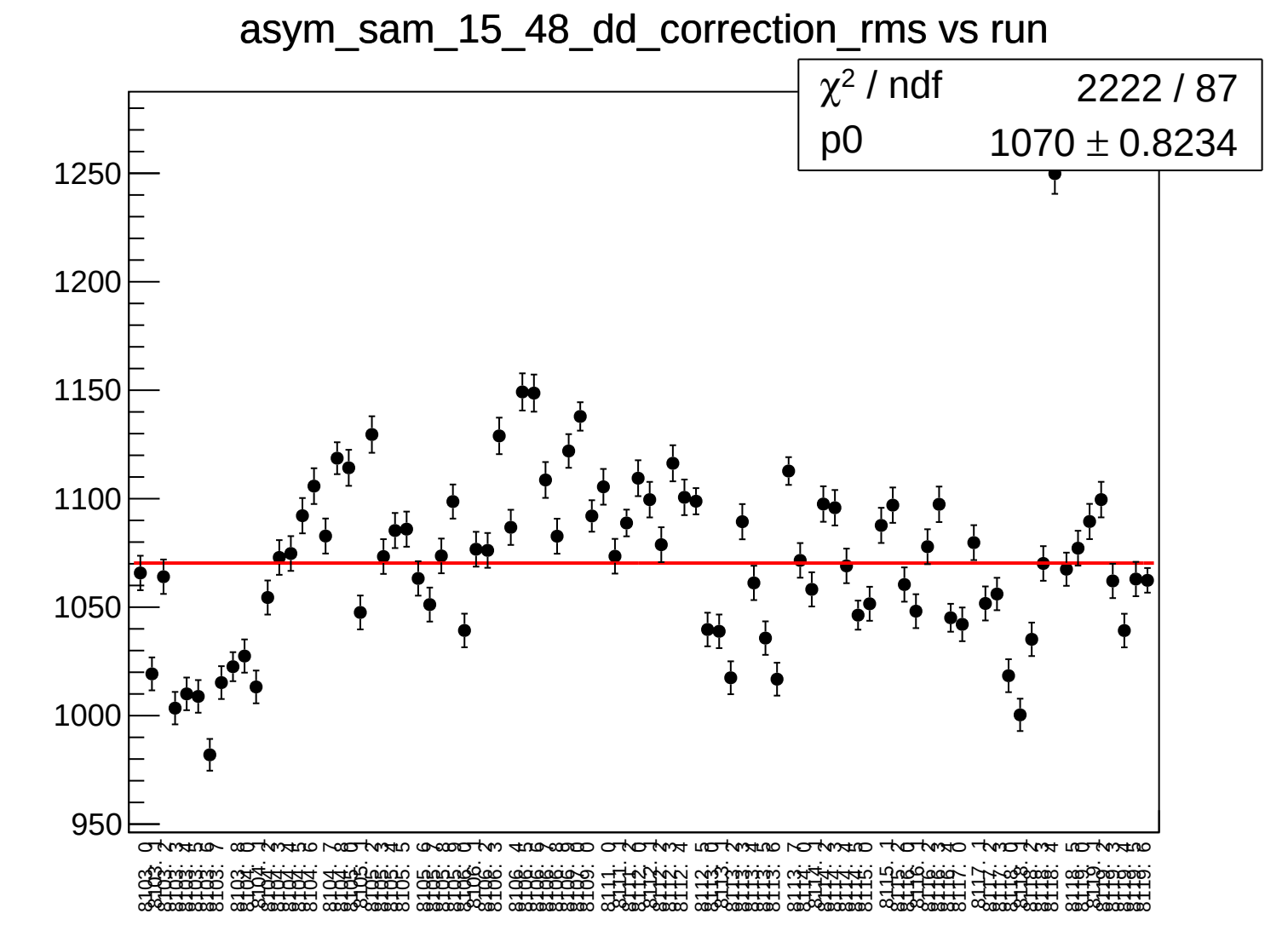

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 109.7 / 87
p0 −2.632 ± 70.09
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 88
Mean −168.4
Std Dev 220.2
2
1
0
−1
−2

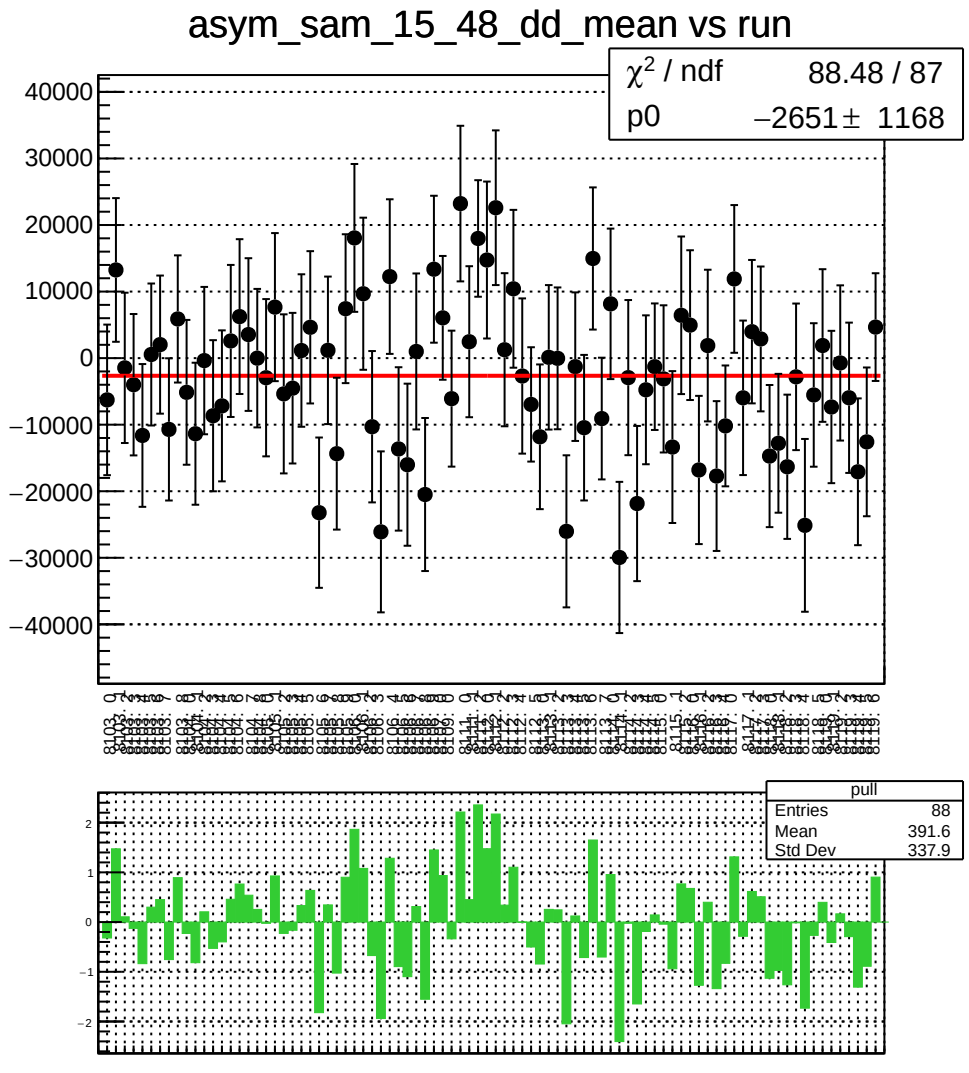

pull1D
Entries 88
Mean −0.0174
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

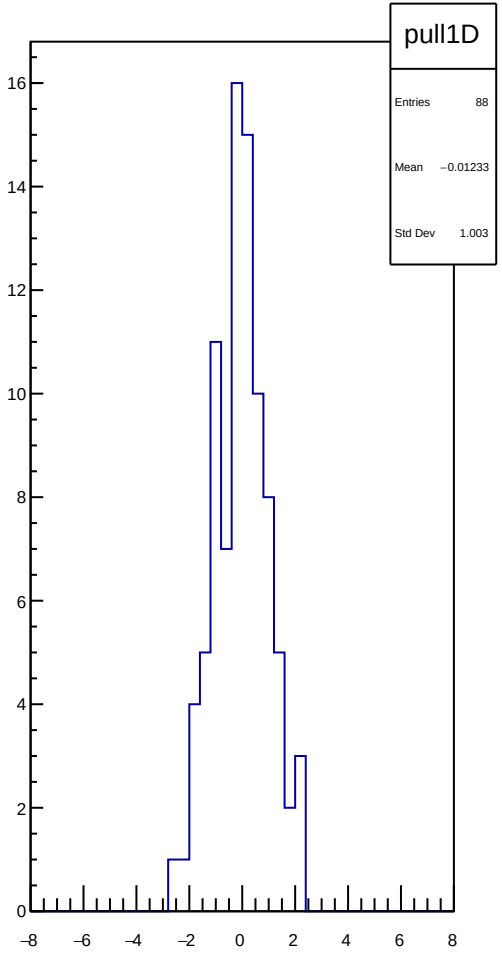

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 9108 / 87
p0 64.29 ± 0.04956
90
85
80
75
70
65
60
55

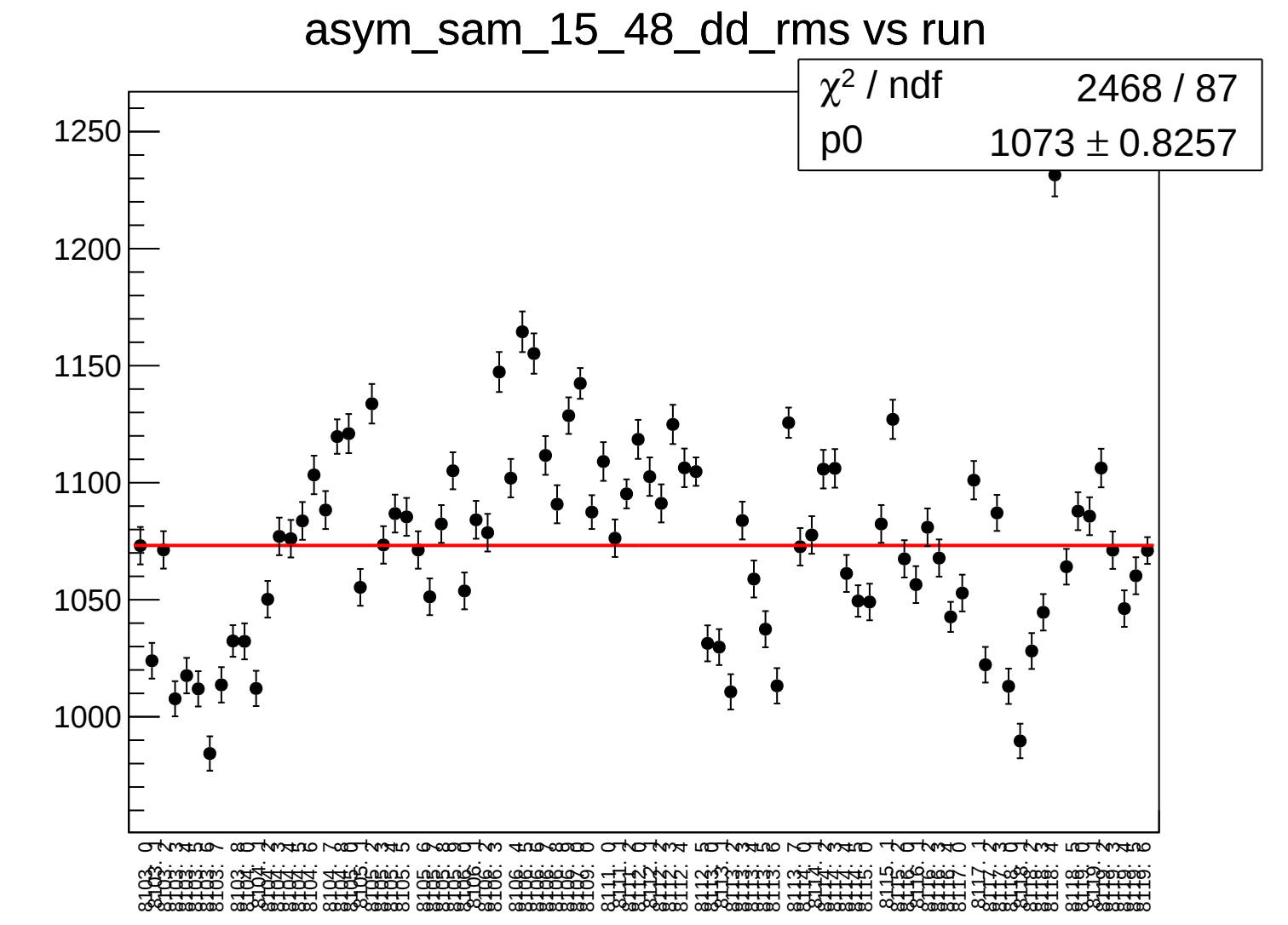

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 88.47 / 87
p0 2633 ± 1164
pull
Entries 88
Mean 413.5
Std Dev 359.8

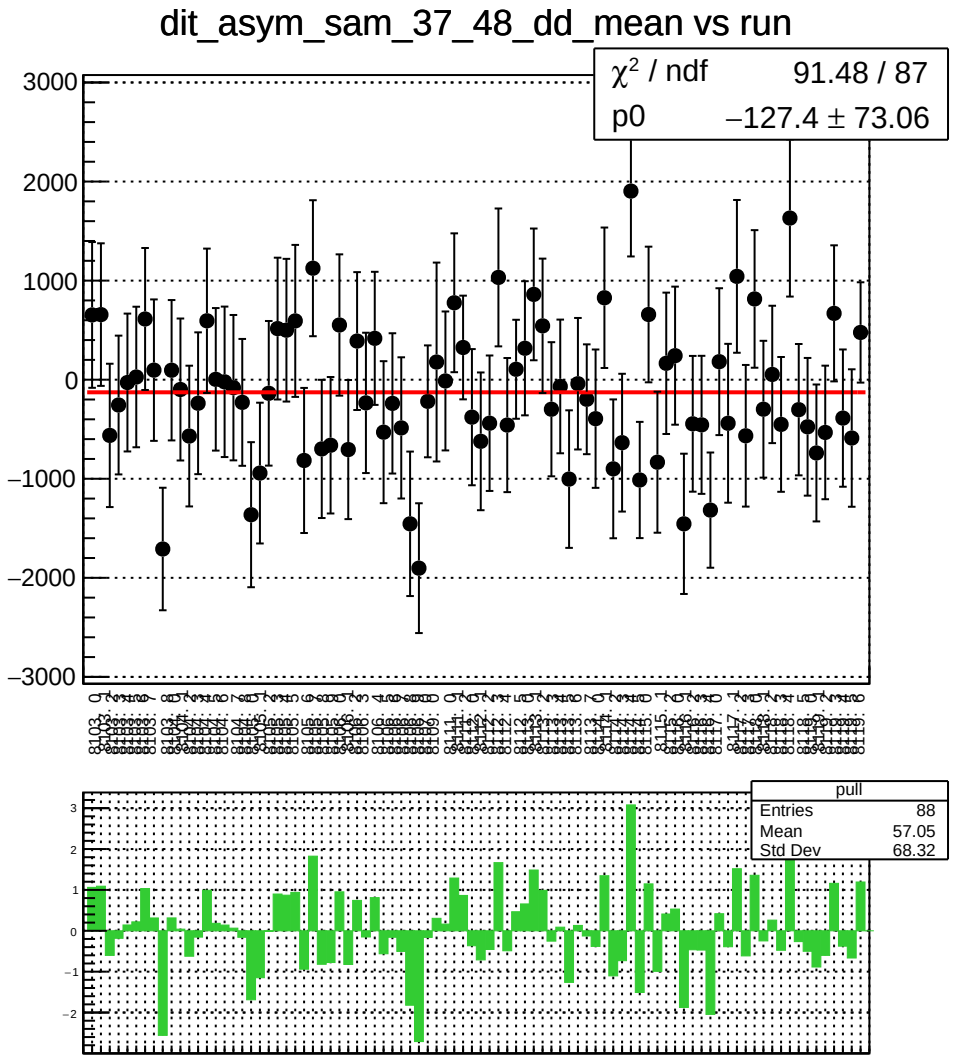

pull1D
Entries 88
Mean 0.01217
Std Dev 1.003

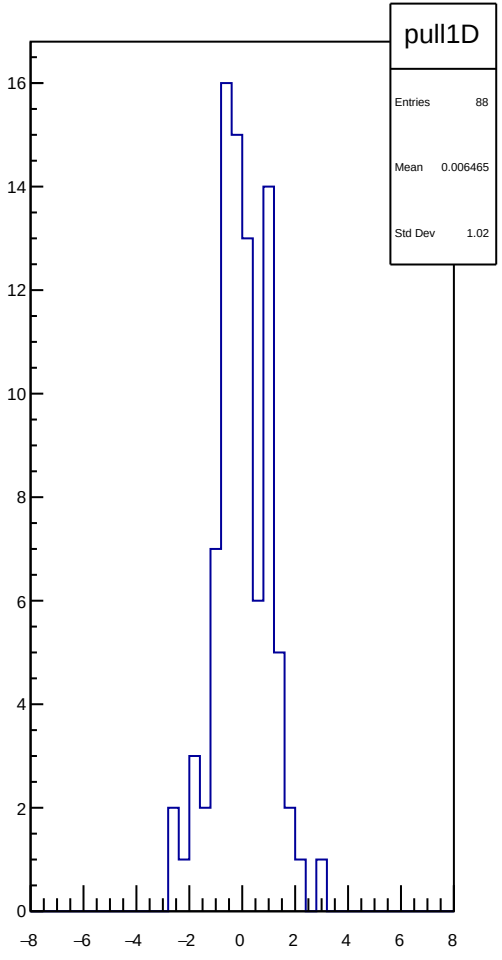

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2222 / 87
p0 1070 ± 0.8234
1250
1200
1150
1100
1050
1000
950

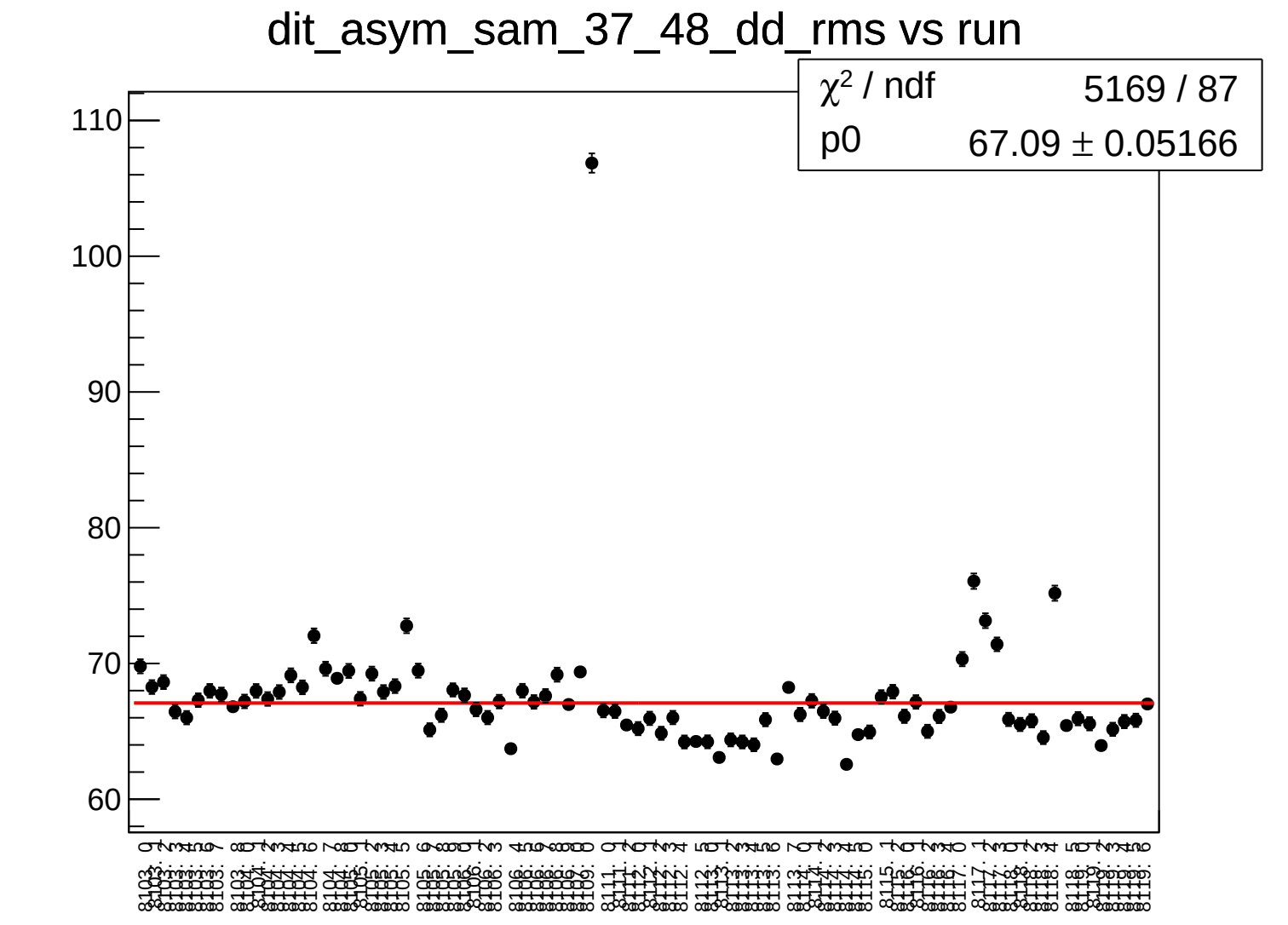

asym_sam_15_48_dd_mean vs run
χ² / ndf 88.48 / 87
p0 −2651 ± 1168
pull
Entries 88
Mean 391.6
Std Dev 337.9

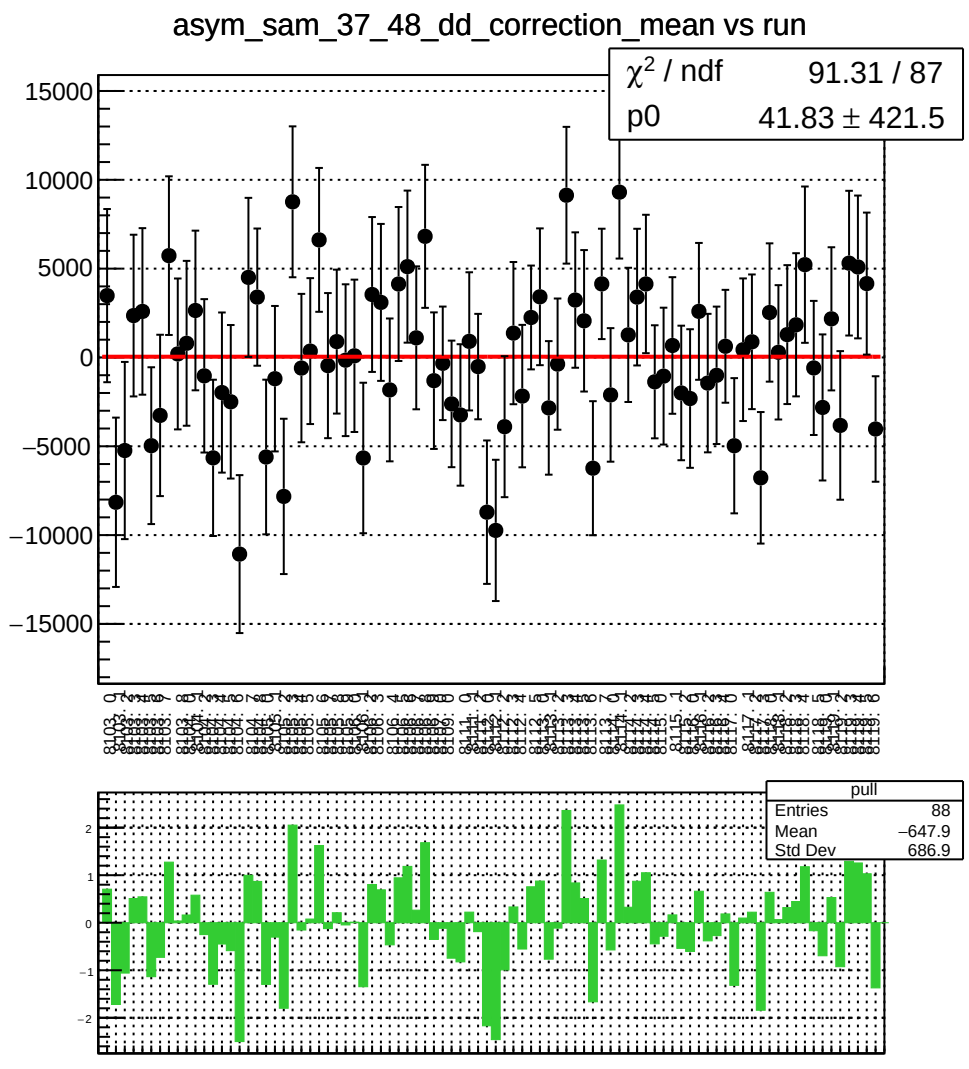

pull1D
Entries 88
Mean −0.01233
Std Dev 1.003

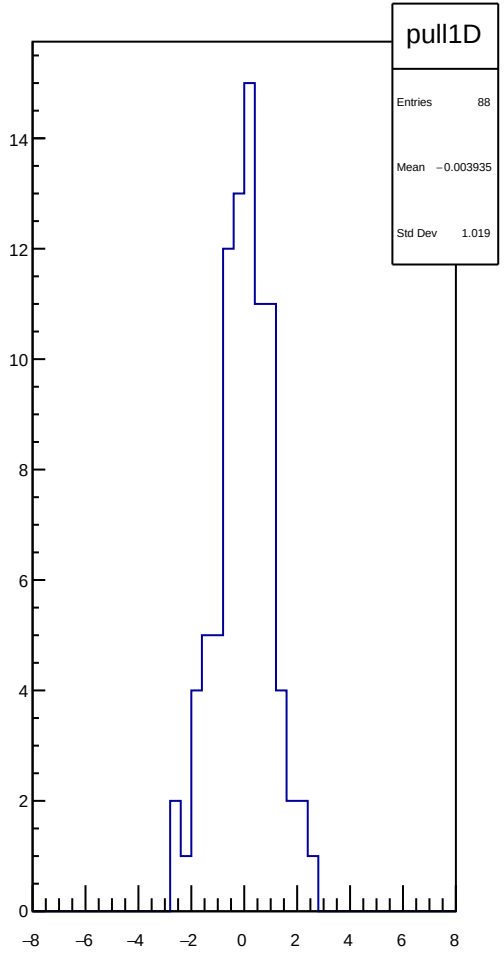

asym_sam_15_48_dd_rms vs run
χ² / ndf 2468 / 87
p0 1073 ± 0.8257
1250
1200
1150
1100
1050
1000

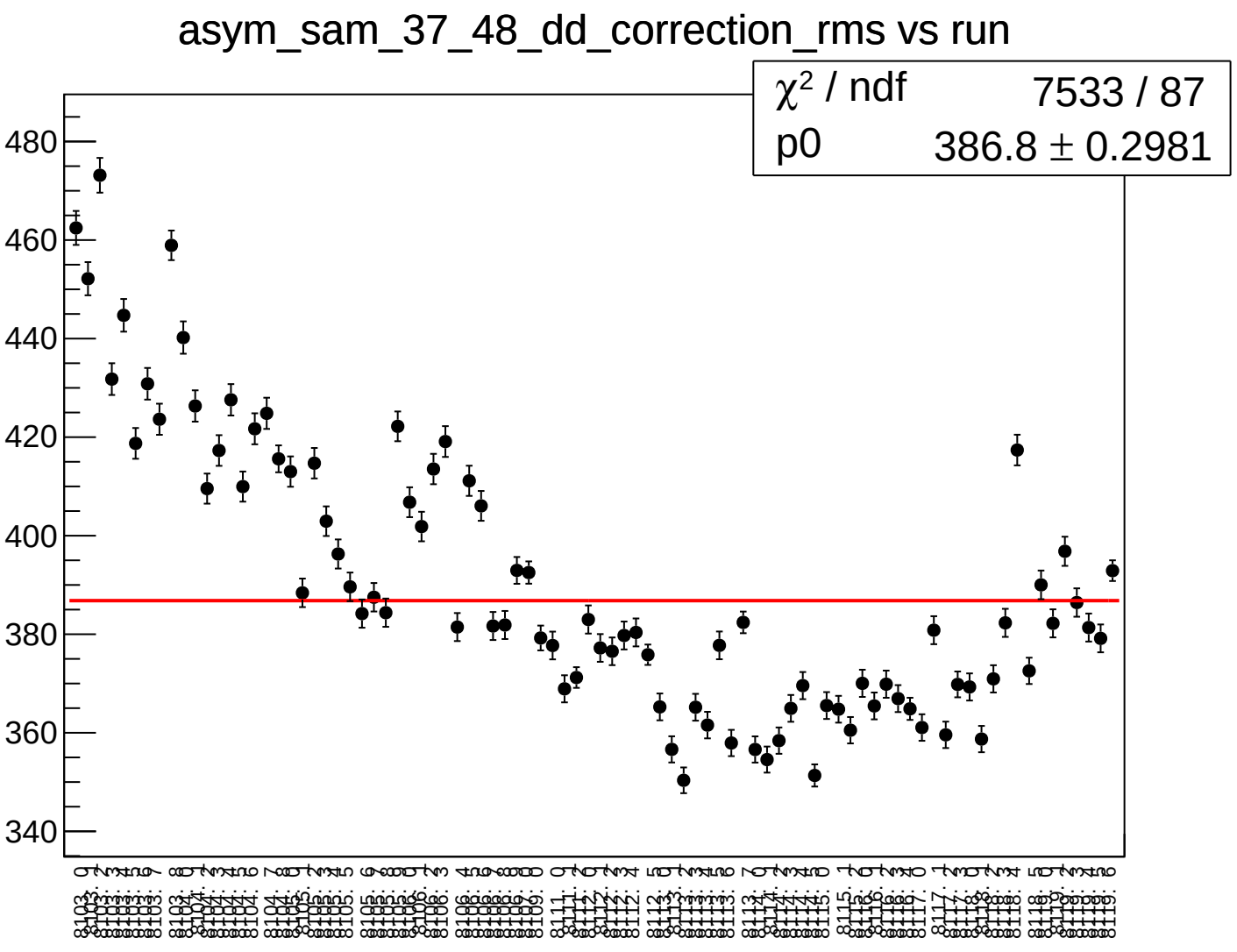

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 91.48 / 87
p0 −127.4 ± 73.06
pull
Entries 88
Mean 57.05
Std Dev 68.32

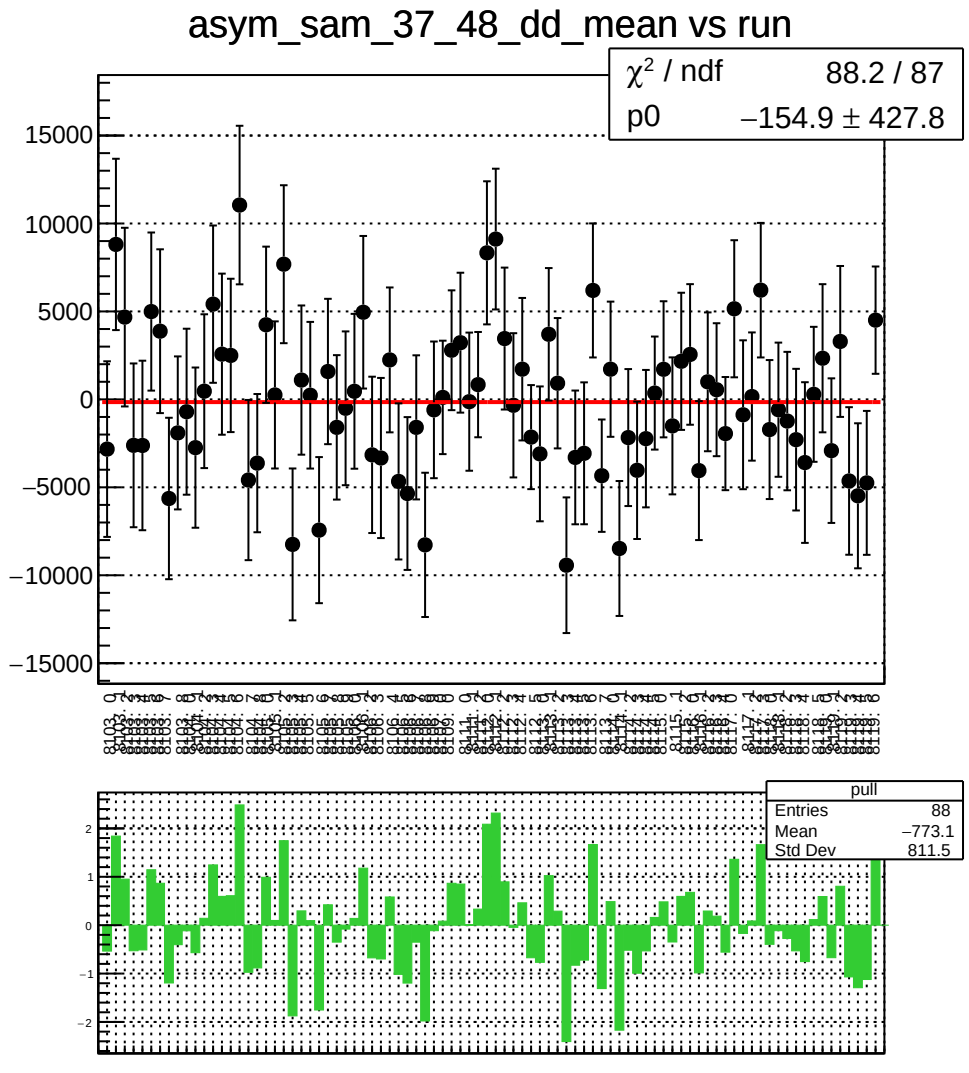

pull1D
Entries 88
Mean 0.006465
Std Dev 1.02

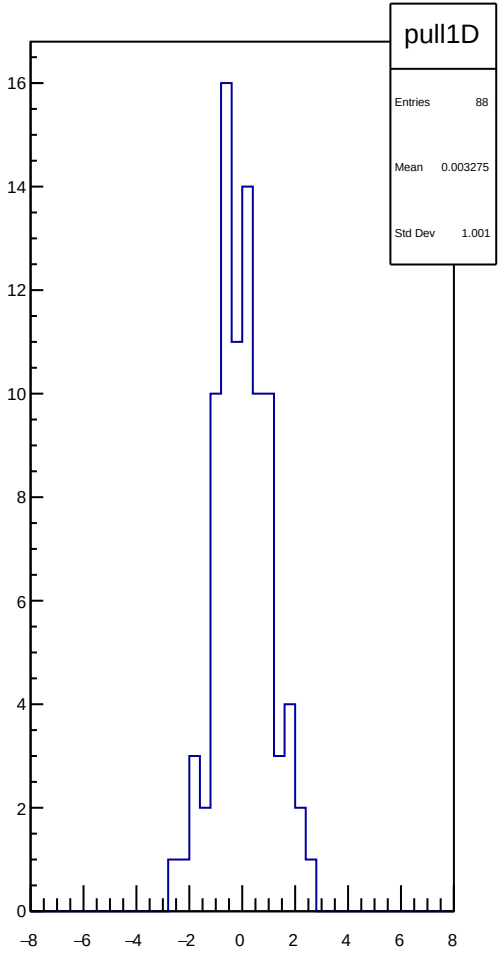

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5169 / 87
p0 67.09 ± 0.05166
110
100
90
80
70
60

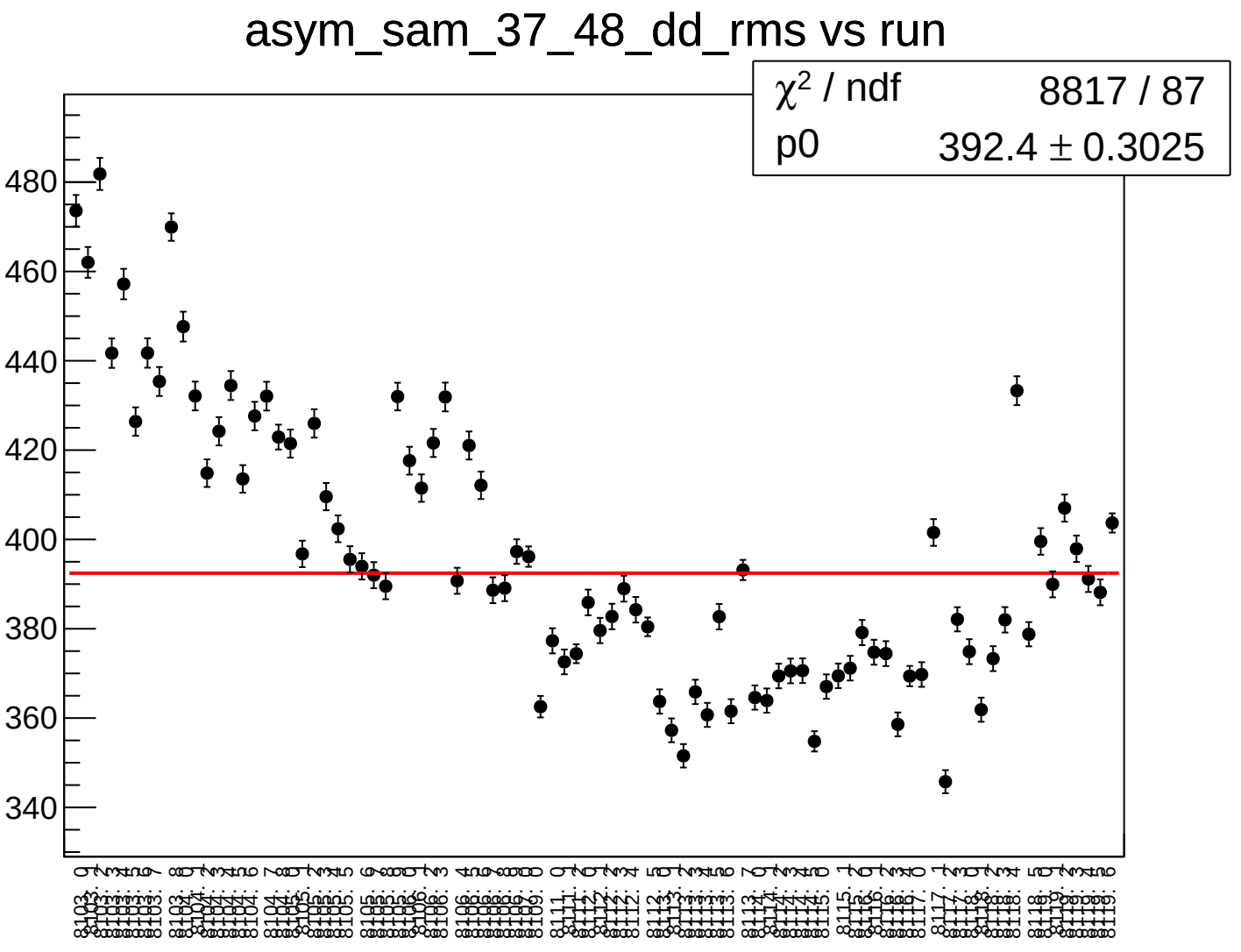

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 91.31 / 87
p0 41.83 ± 421.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean −647.9
Std Dev 686.9
2
1
0
−1
−2

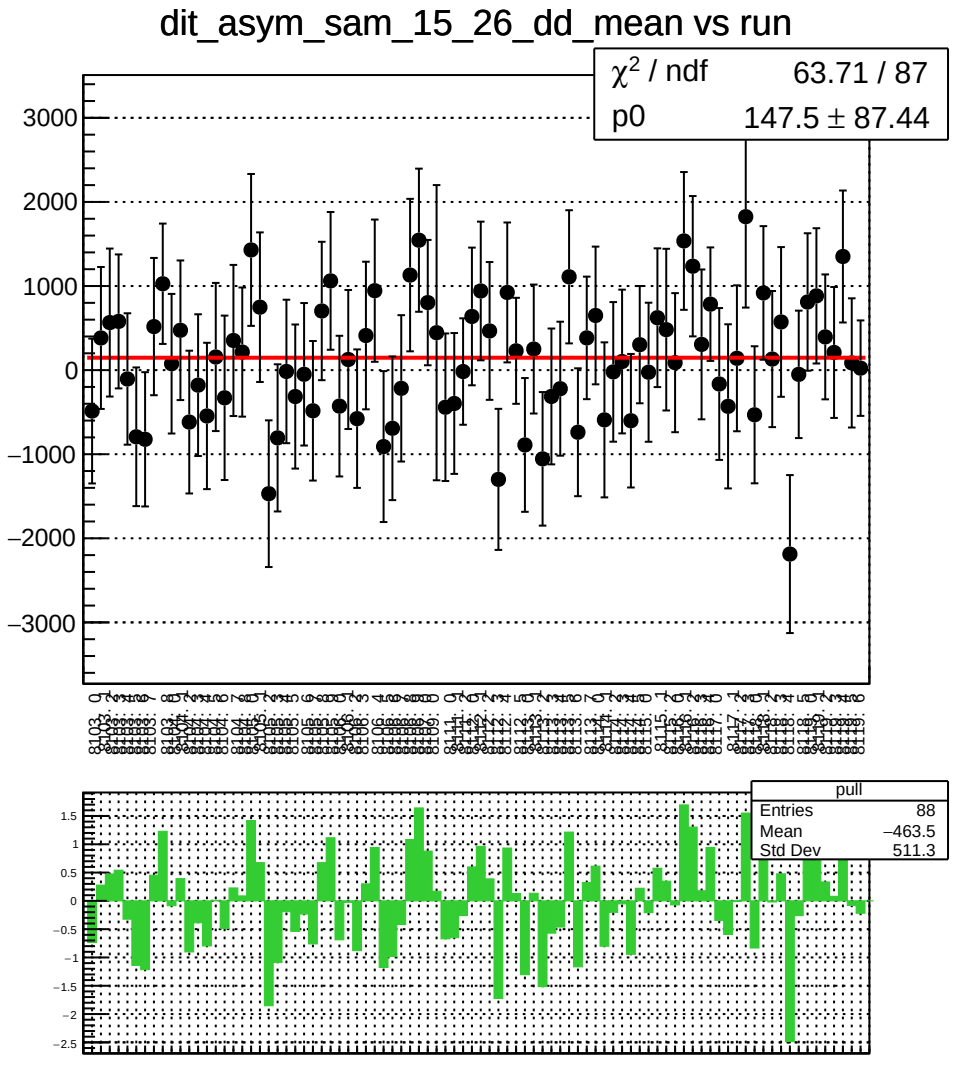

pull1D
Entries 88
Mean −0.003935
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

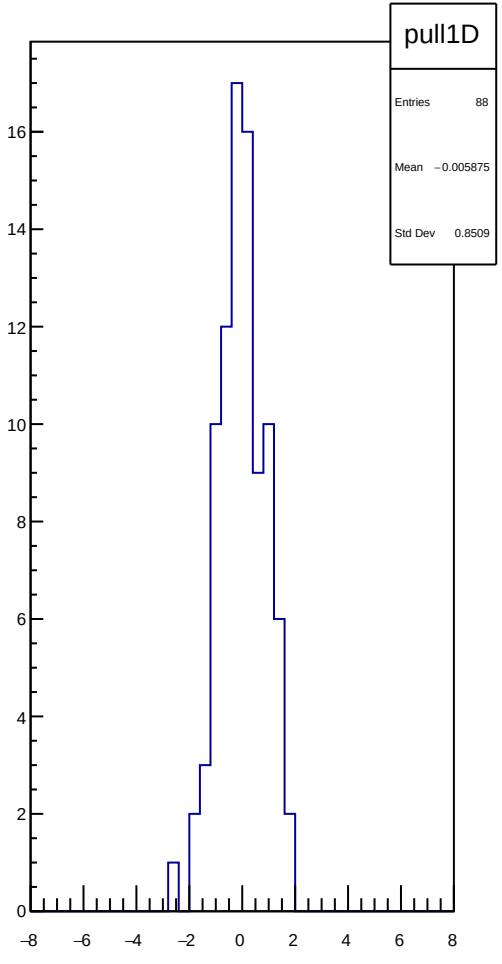

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 7533 / 87
p0 386.8 ± 0.2981
480
460
440
420
400
380
360
340

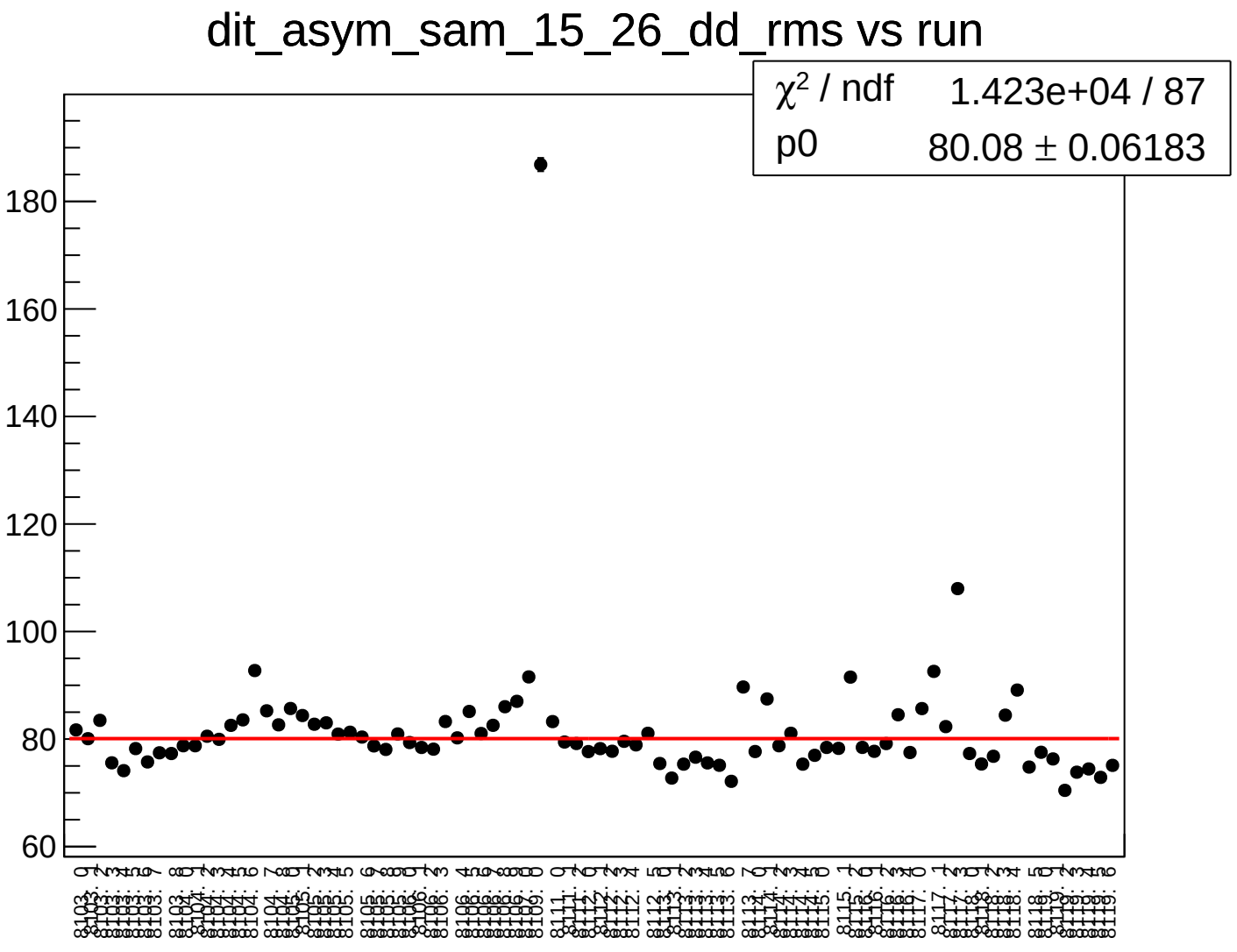

asym_sam_37_48_dd_mean vs run
χ² / ndf 88.2 / 87
p0 −154.9 ± 427.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean −773.1
Std Dev 811.5
2
1
0
−1
−2

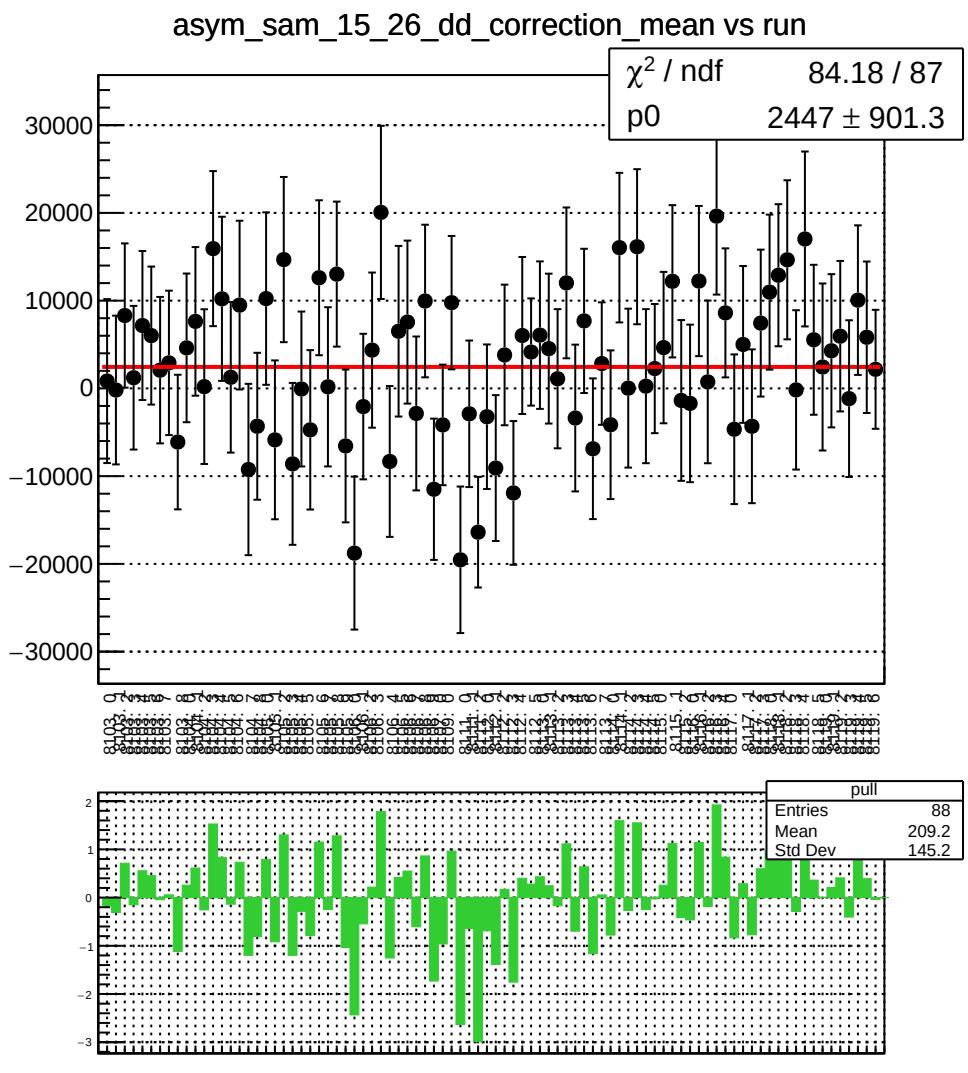

pull1D
Entries 88
Mean 0.003275
Std Dev 1.001
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

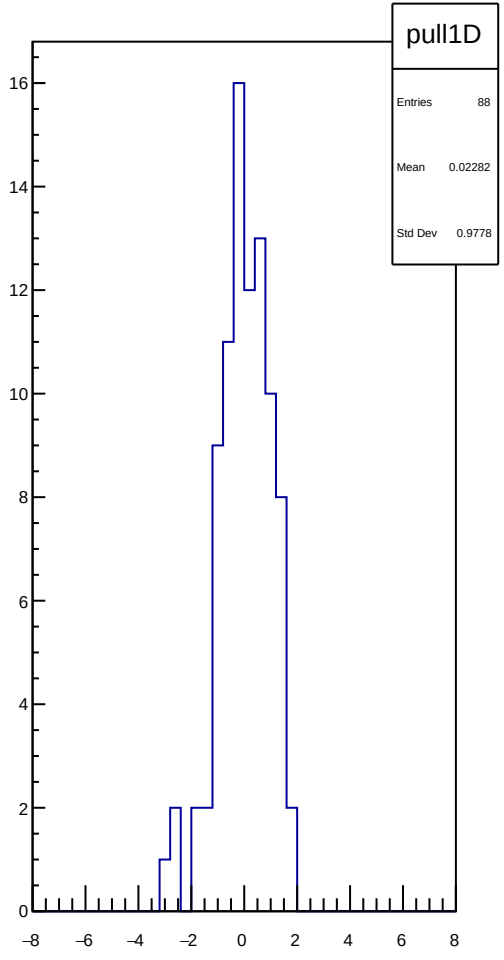

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 8817 / 87
p0 392.4 ± 0.3025
480
460
440
420
400
380
360
340

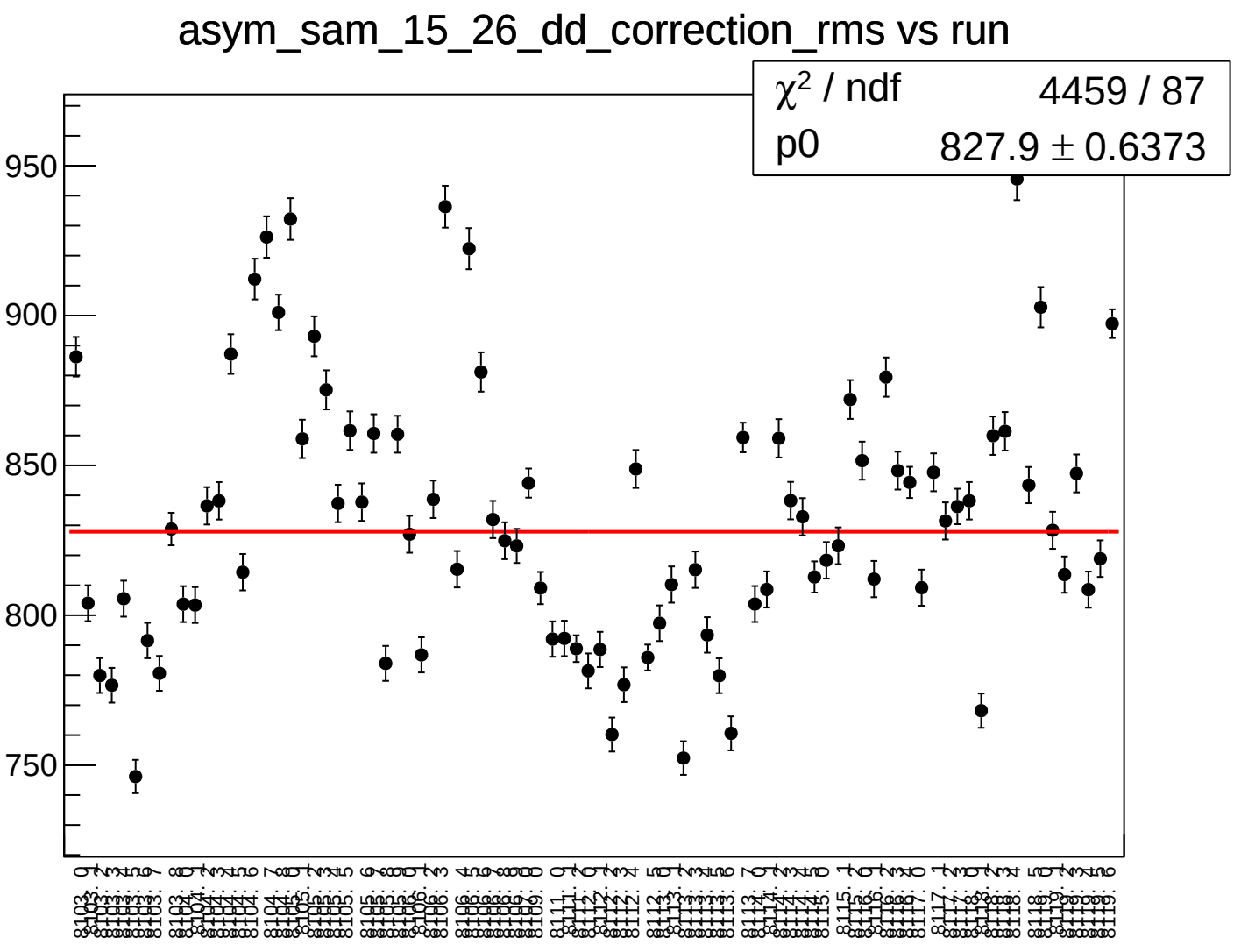

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.71 / 87
p0 147.5 ± 87.44
pull
Entries 88
Mean −463.5
Std Dev 511.3

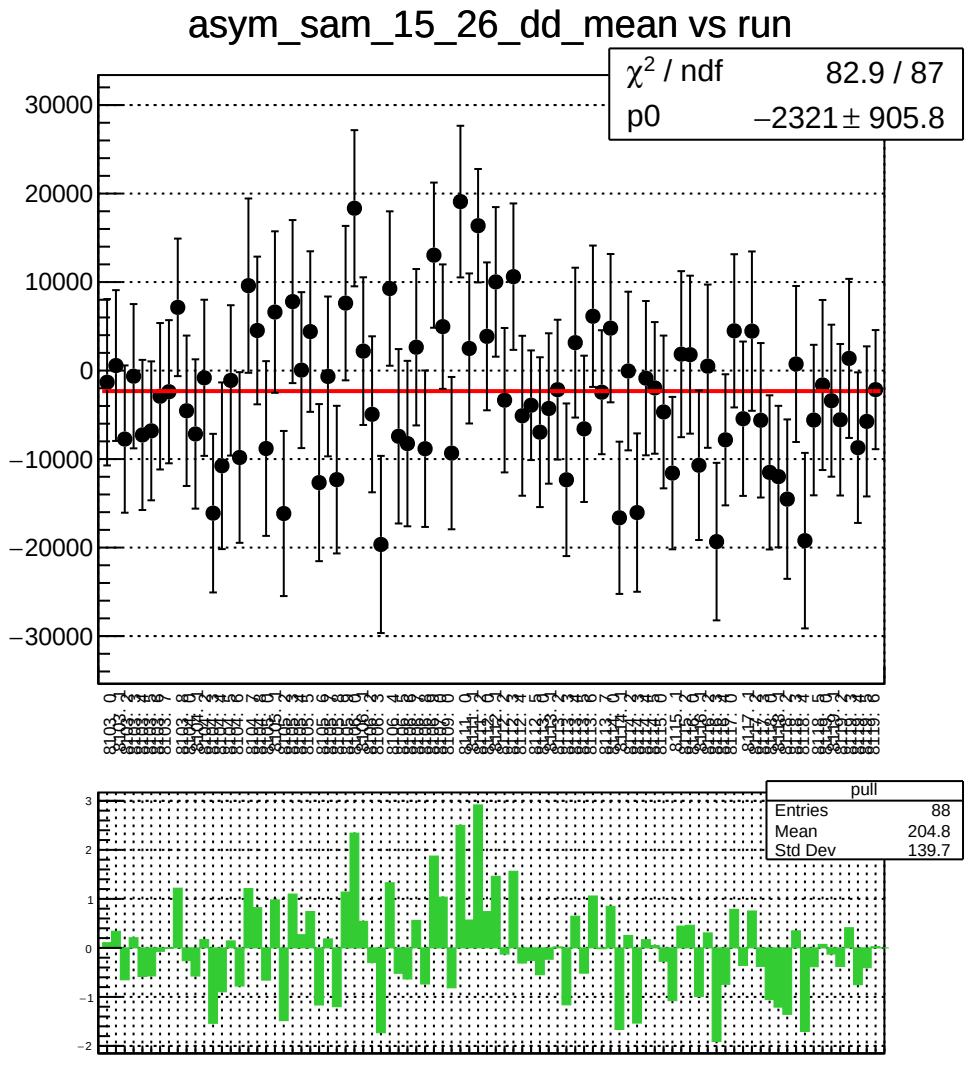

pull1D
Entries 88
Mean −0.005875
Std Dev 0.8509

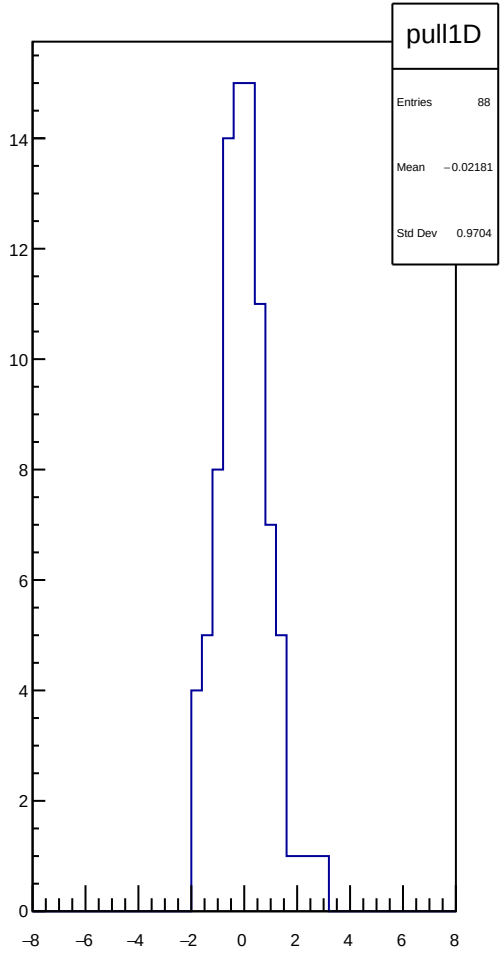

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.423e+04 / 87
p0 80.08 ± 0.06183
180
160
140
120
100
80
60

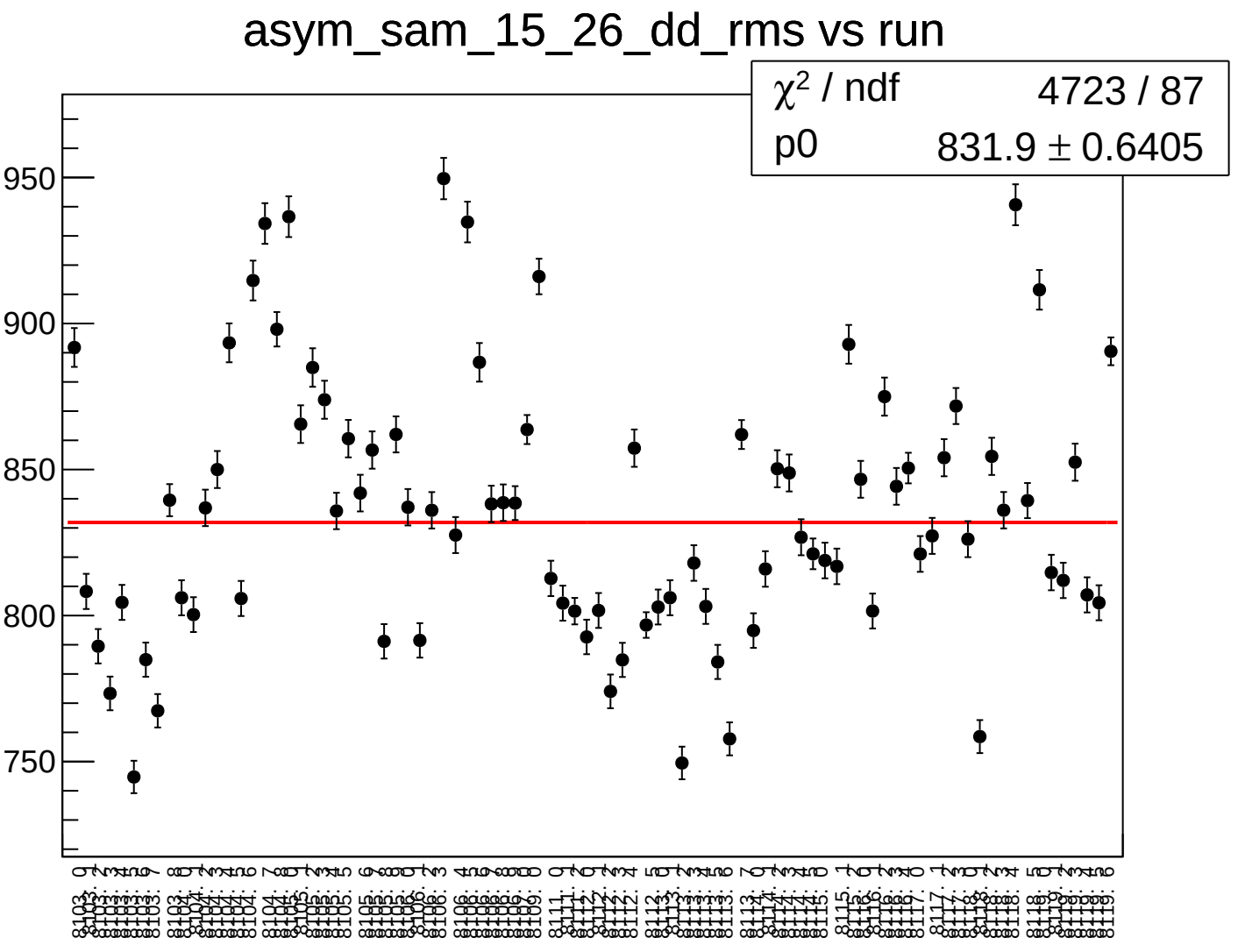

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 84.18 / 87
p0 2447 ± 901.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 209.2
Std Dev 145.2
2
1
0
−1
−2
−3

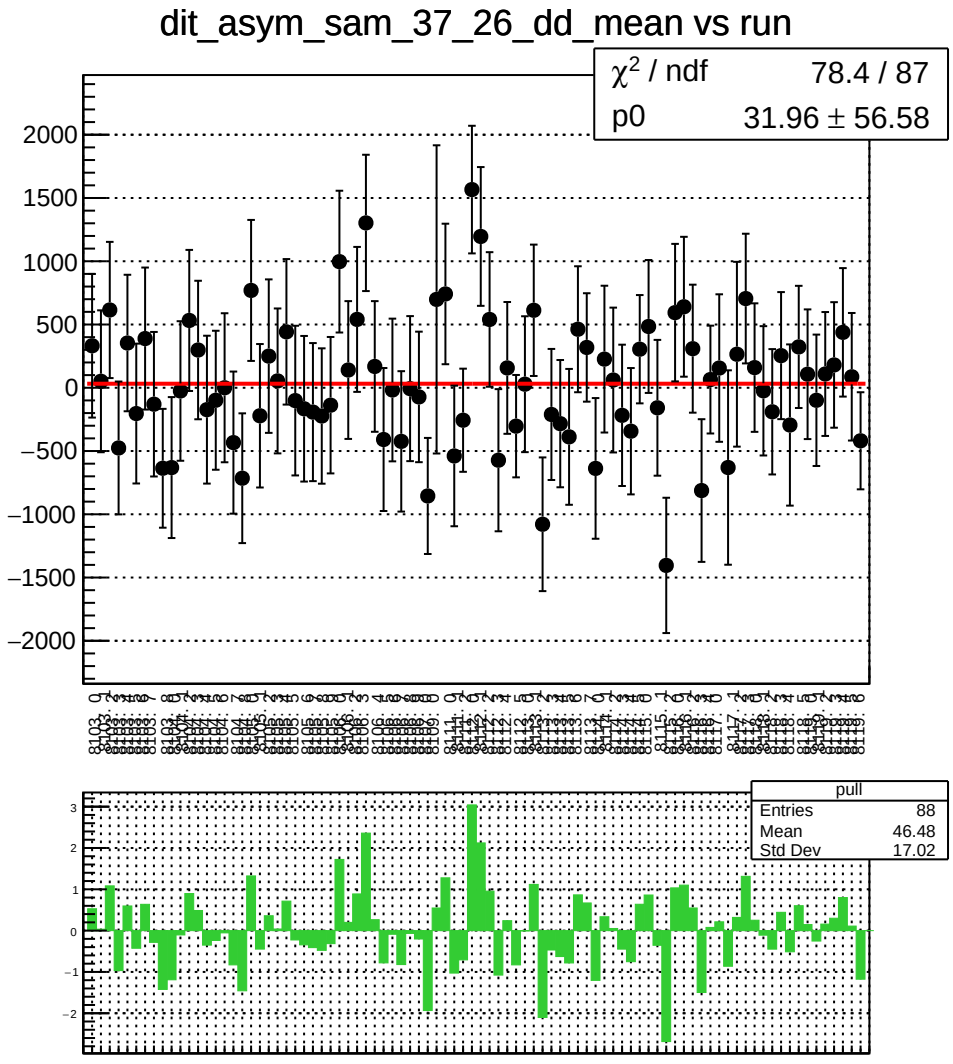

pull1D
Entries 88
Mean 0.02282
Std Dev 0.9778
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

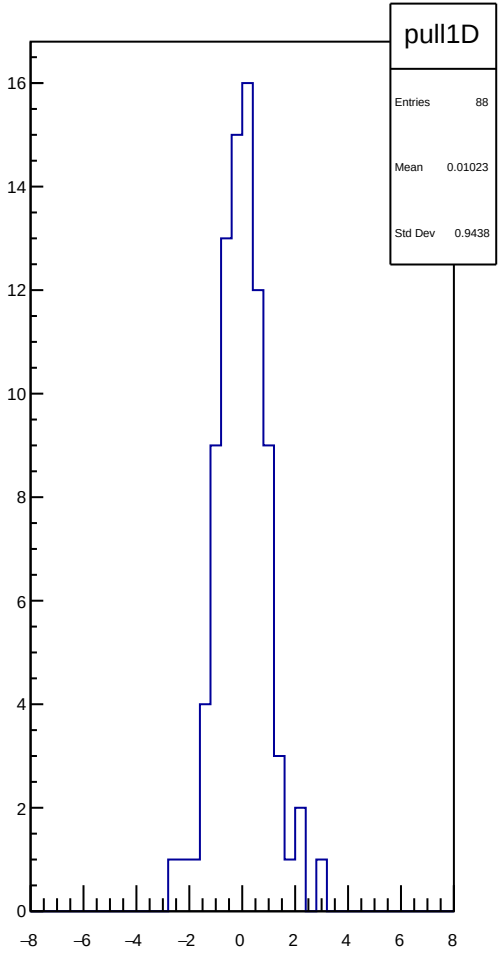

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4459 / 87
p0 827.9 ± 0.6373
950
900
850
800
750

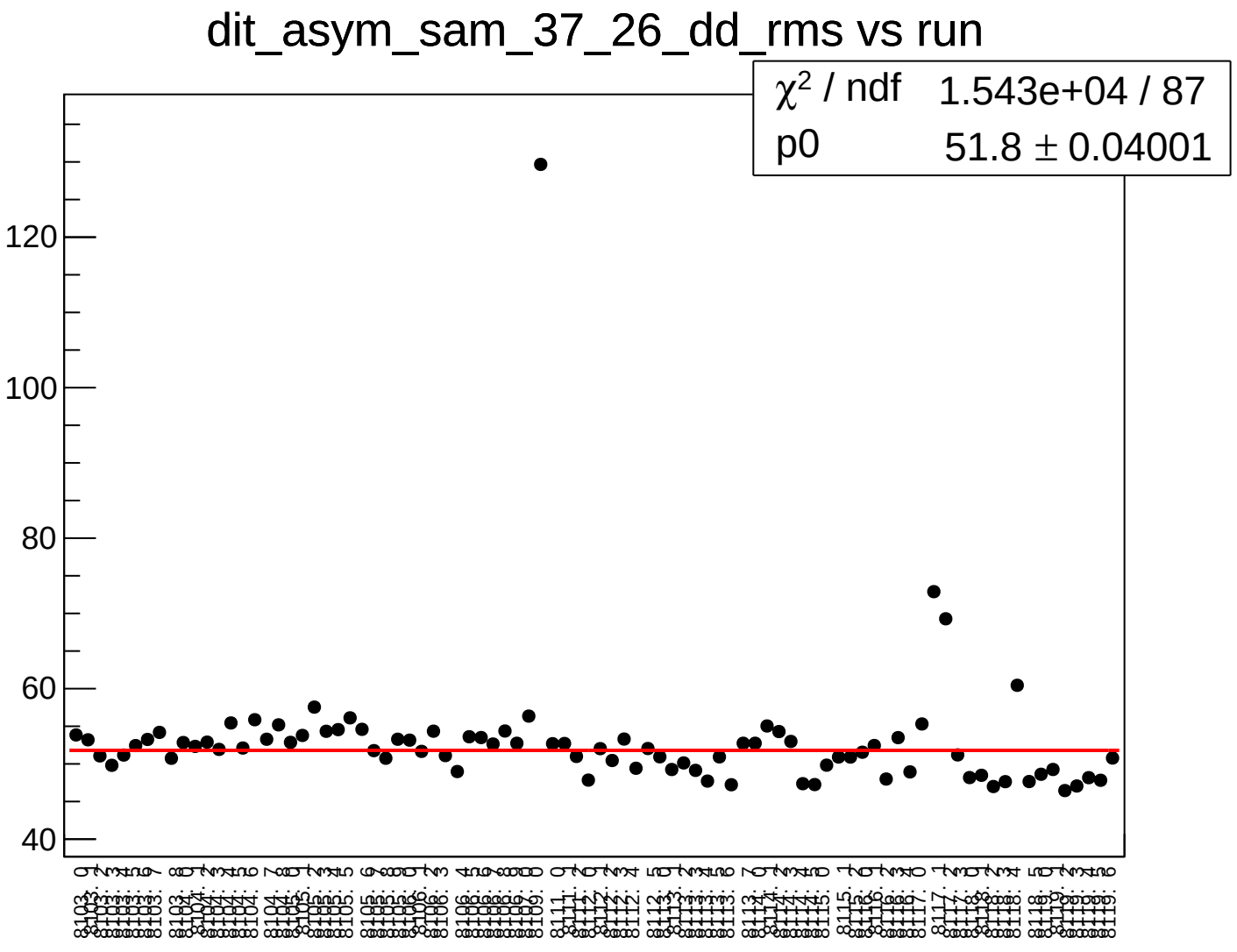

asym_sam_15_26_dd_mean vs run
χ² / ndf 82.9 / 87
p0 −2321 ± 905.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 204.8
Std Dev 139.7
3
2
1
0
−1
−2

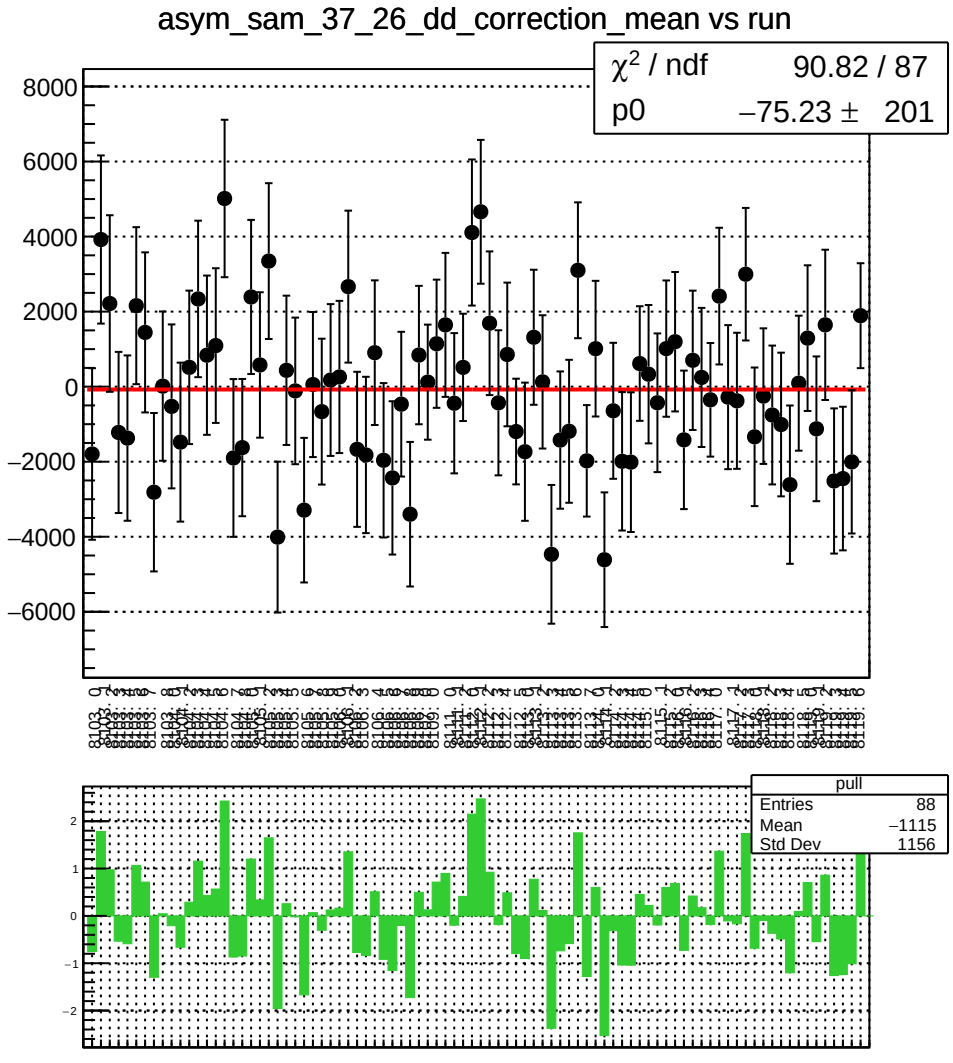

pull1D
Entries 88
Mean −0.02181
Std Dev 0.9704
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

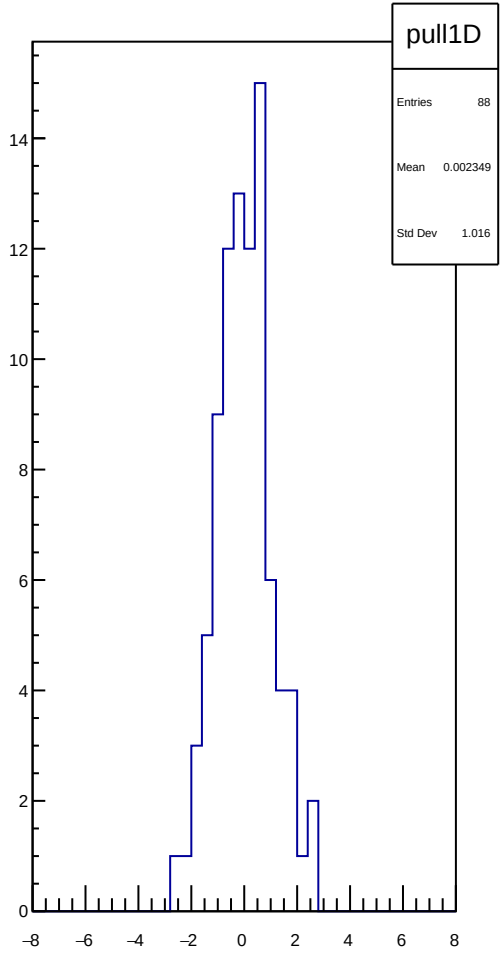

asym_sam_15_26_dd_rms vs run
χ² / ndf 4723 / 87
p0 831.9 ± 0.6405
950
900
850
800
750

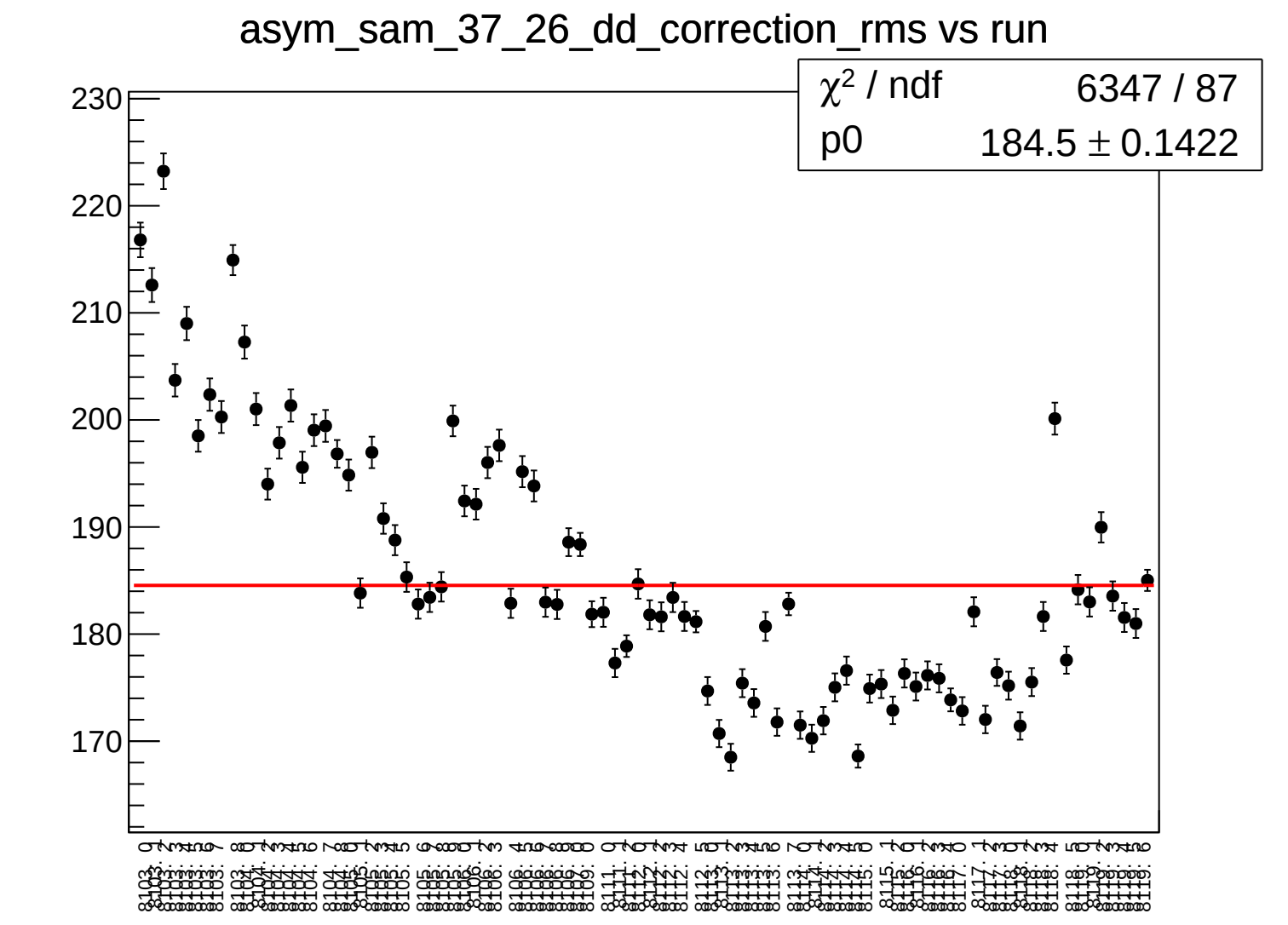

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 78.4 / 87
p0 31.96 ± 56.58
pull
Entries 88
Mean 46.48
Std Dev 17.02

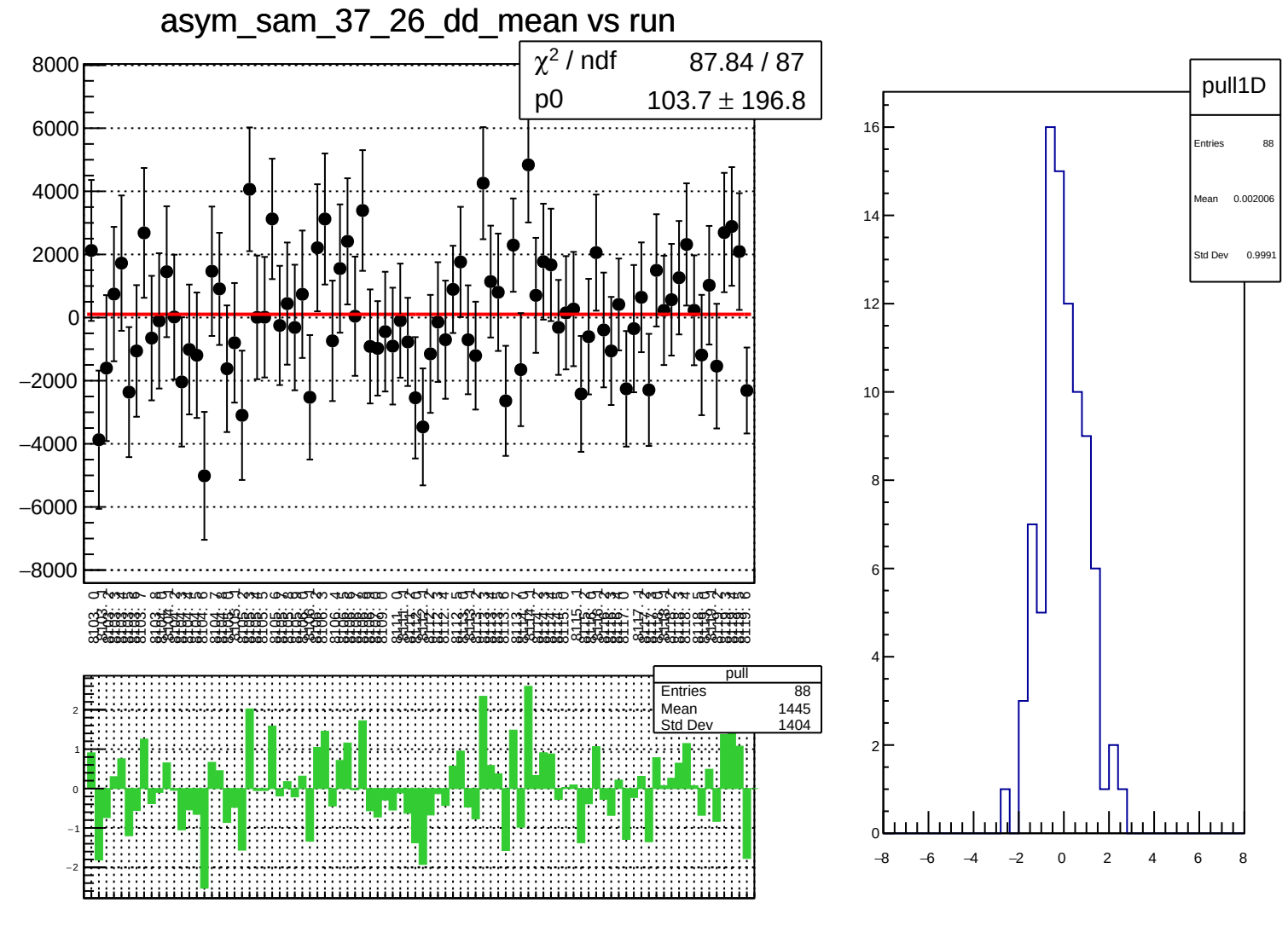

pull1D
Entries 88
Mean 0.01023
Std Dev 0.9438

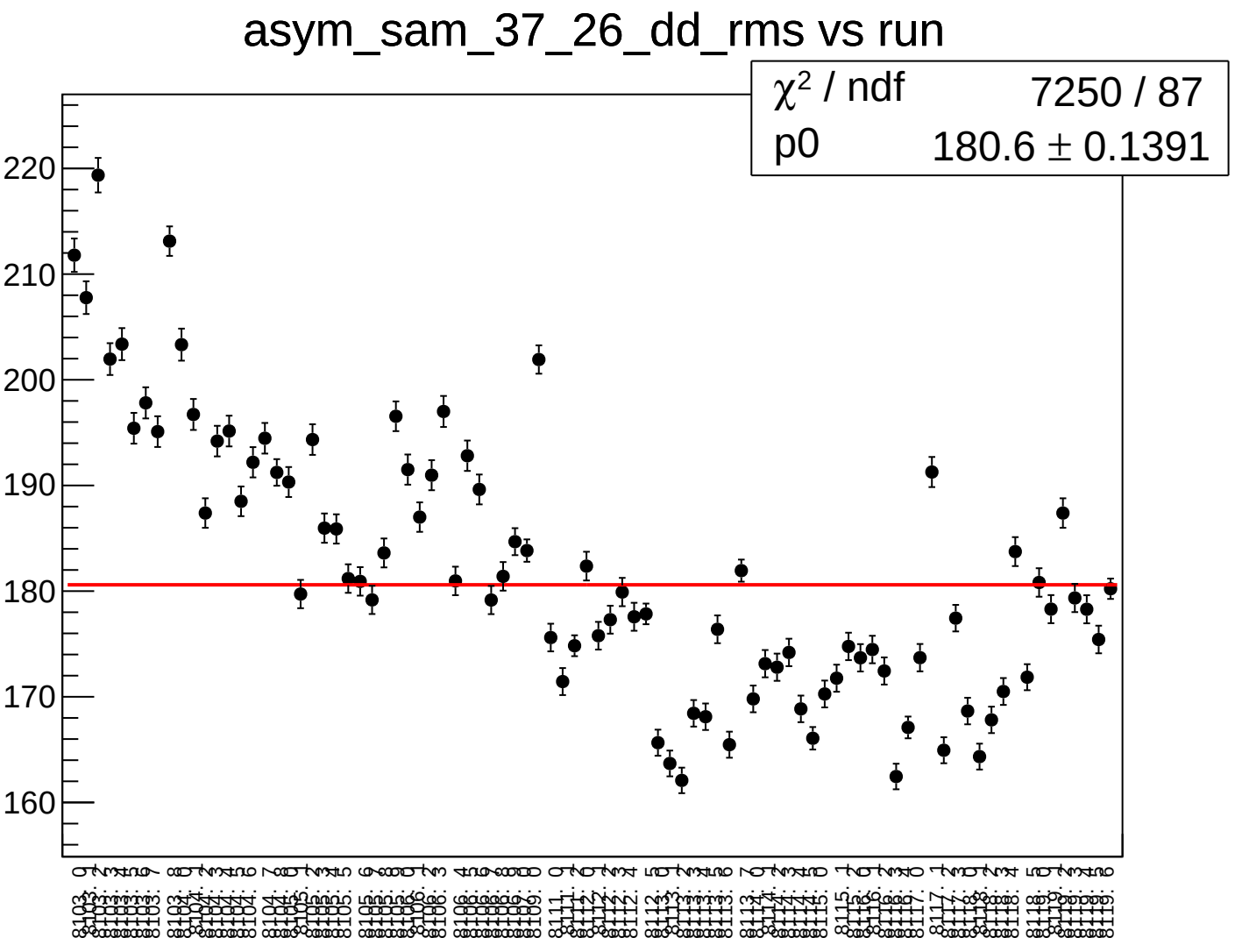

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.543e+04 / 87
p0 51.8 ± 0.04001
120
100
80
60
40

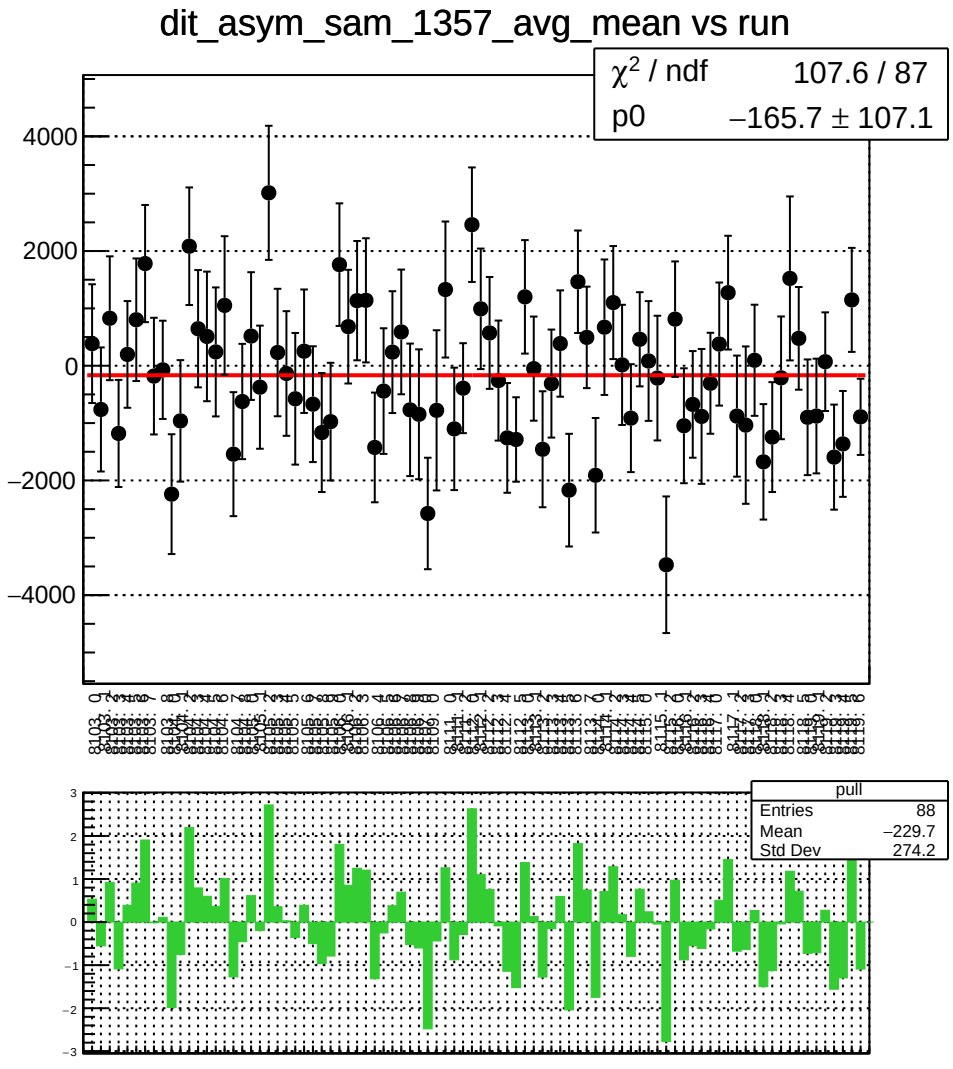

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 90.82 / 87
p0 −75.23 ± 201
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −1115
Std Dev 1156
2
1
0
−1
−2

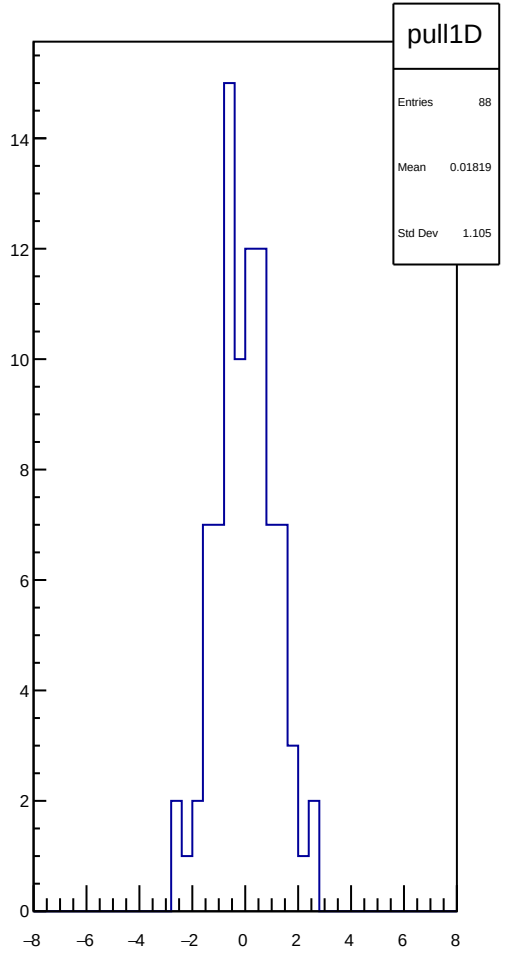

pull1D
Entries 88
Mean 0.002349
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

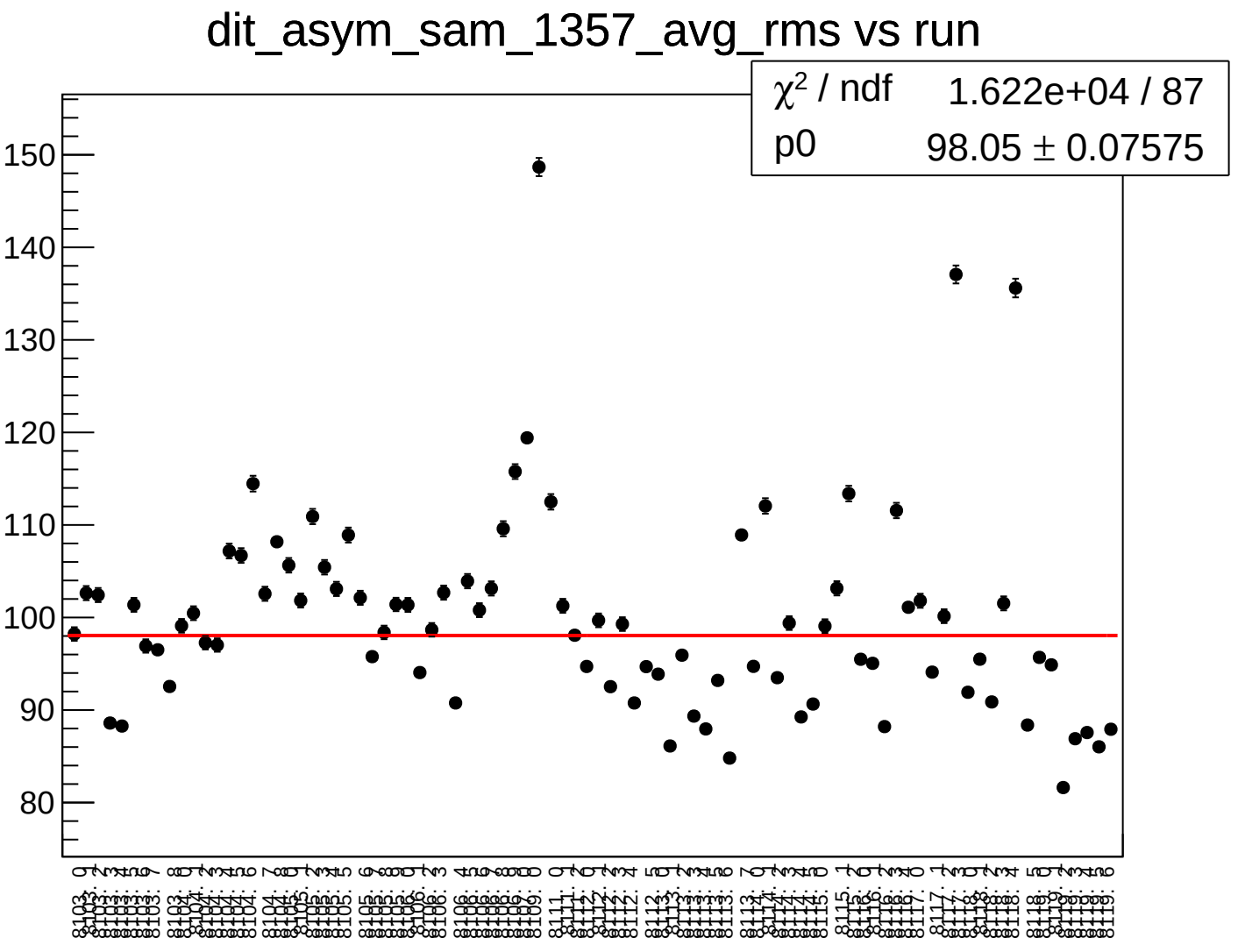

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 6347 / 87
p0 184.5 ± 0.1422
230
220
210
200
190
180
170

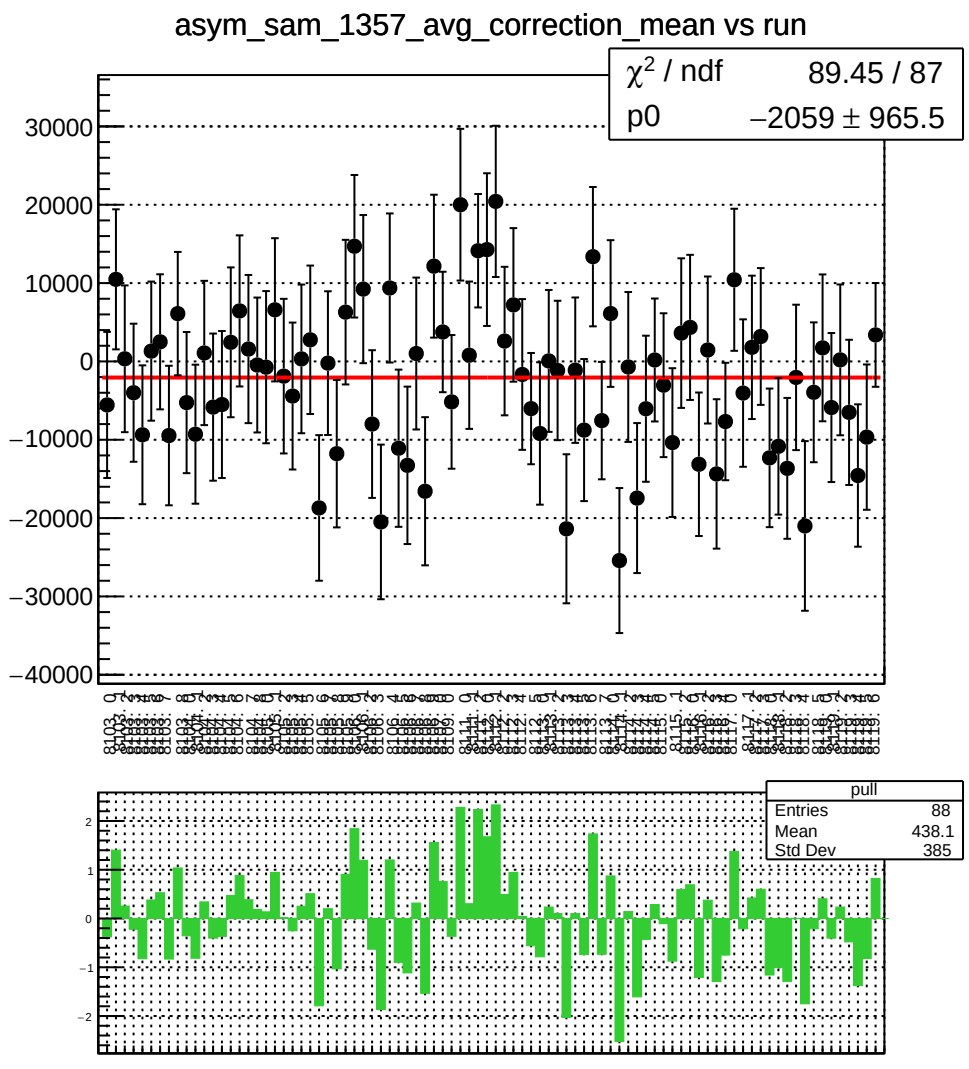

asym_sam_37_26_dd_mean vs run
χ² / ndf 87.84 / 87
p0 103.7 ± 196.8
pull
Entries 88
Mean 1445
Std Dev 1404
pull1D
Entries 88
Mean 0.002006
Std Dev 0.9991

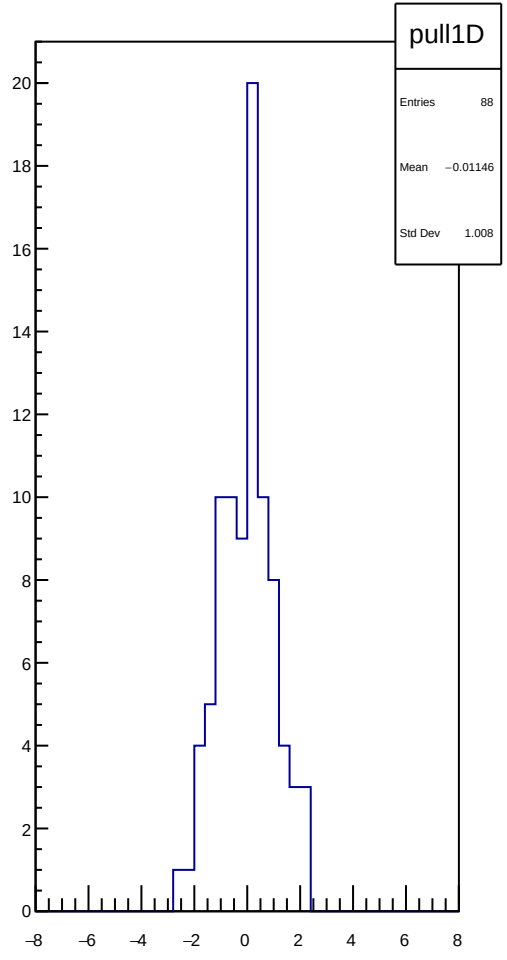

asym_sam_37_26_dd_rms vs run
χ² / ndf 7250 / 87
p0 180.6 ± 0.1391
220
210
200
190
180
170
160

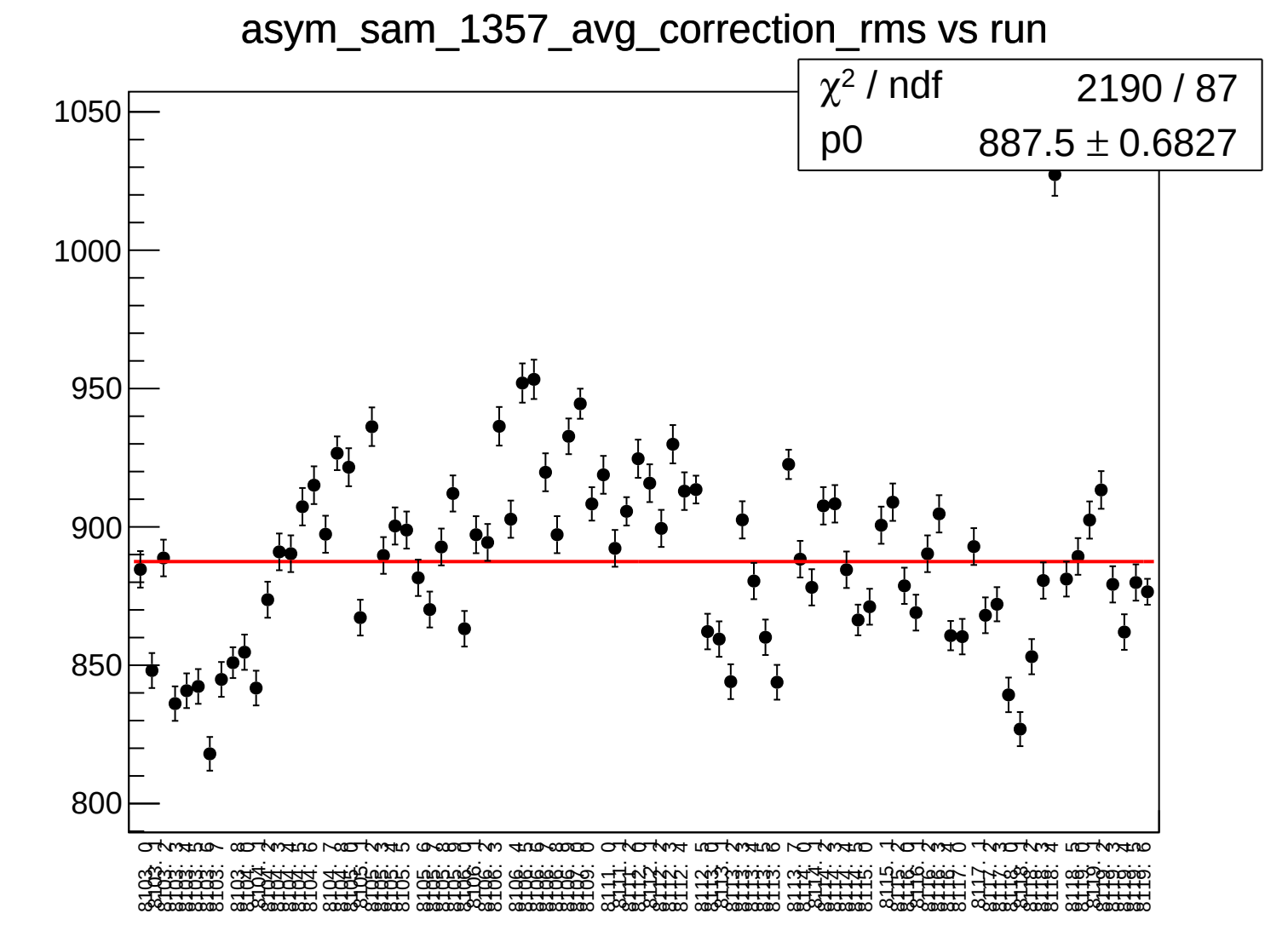

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 107.6 / 87
p0 −165.7 ± 107.1
4000
2000
0
−2000
−4000
pull
Entries 88
Mean −229.7
Std Dev 274.2
3
2
1
0
−1
−2
−3

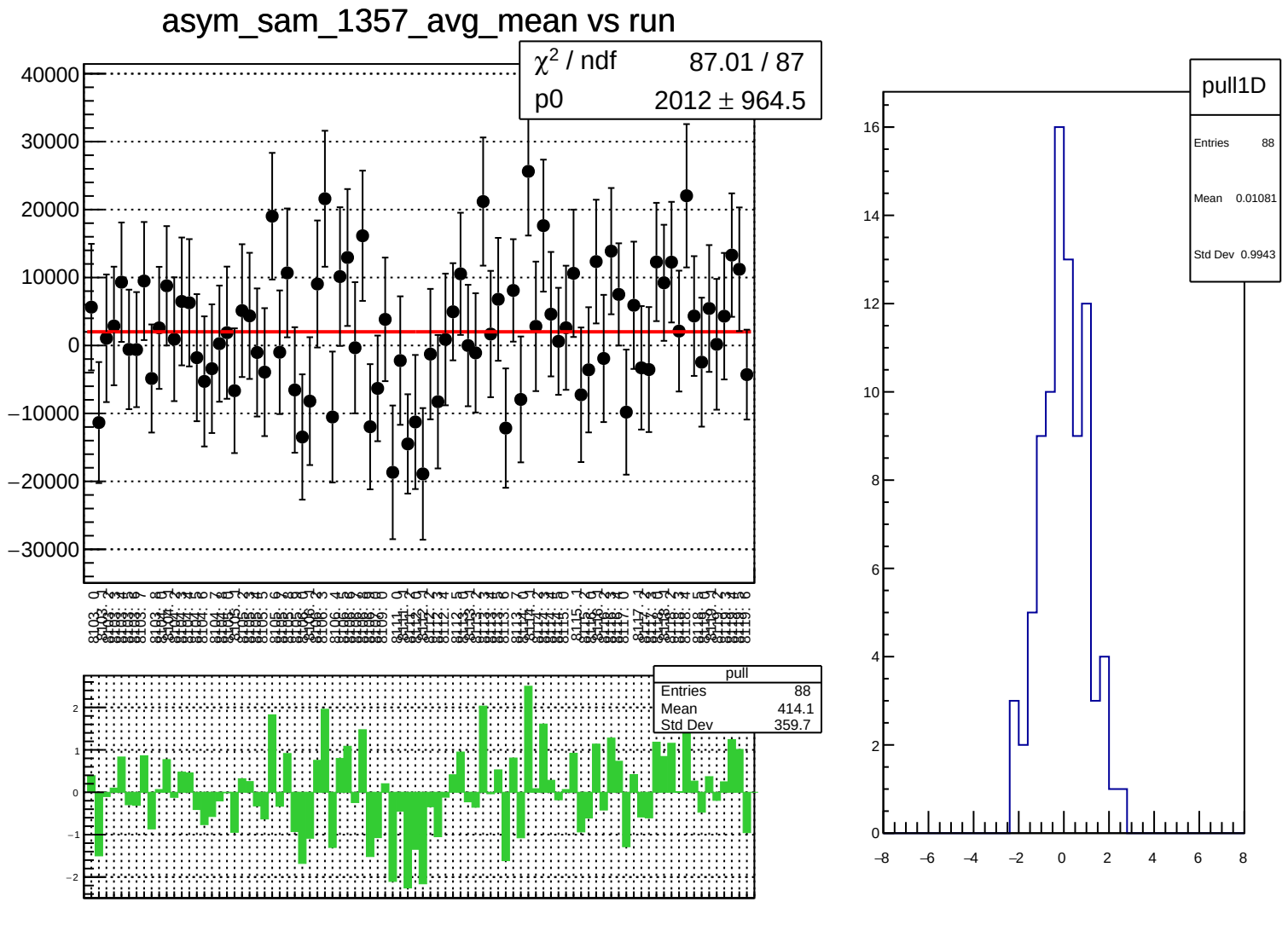

pull1D
Entries 88
Mean 0.01819
Std Dev 1.105
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

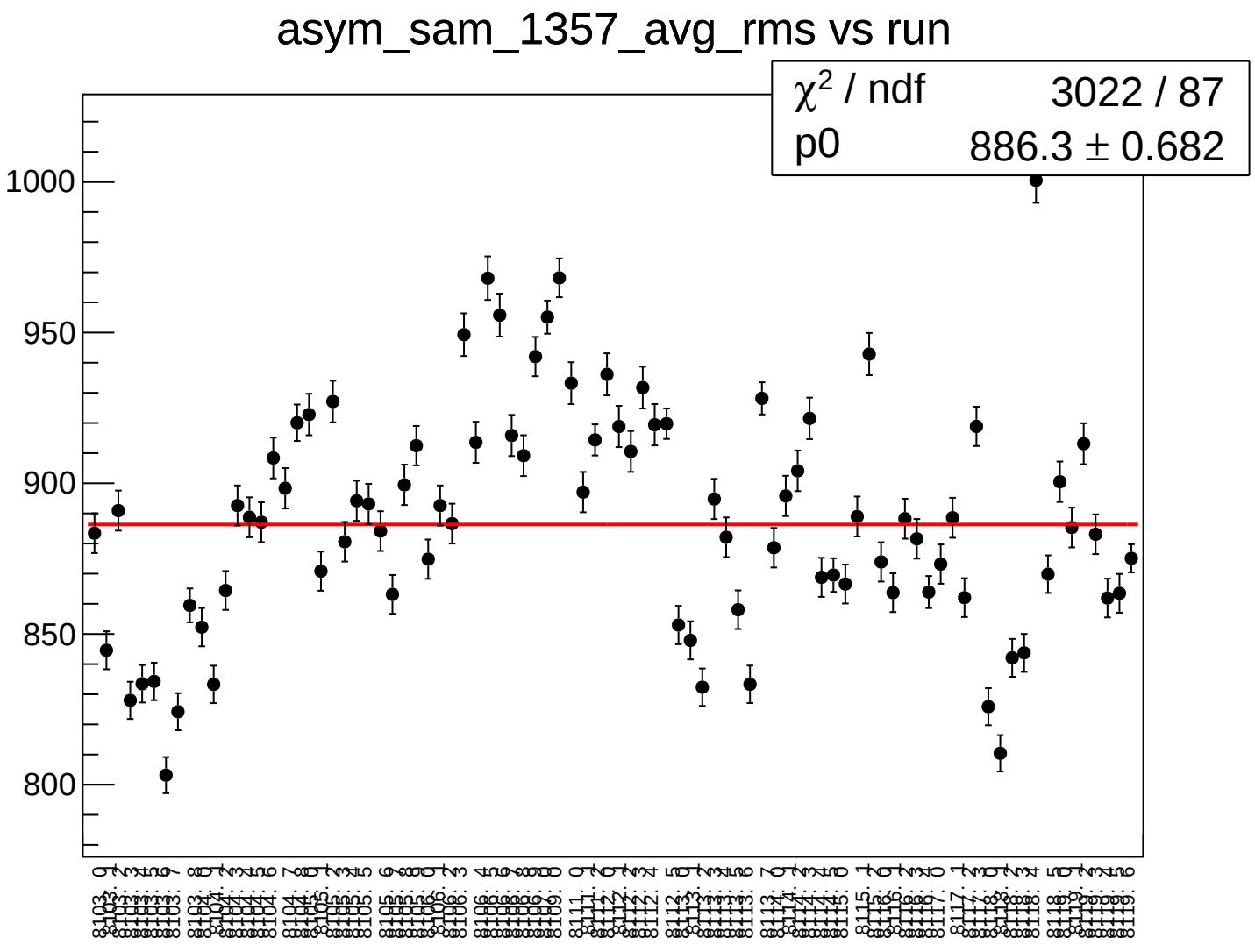

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1.622e+04 / 87
p0 98.05 ± 0.07575
150
140
130
120
110
100
90
80

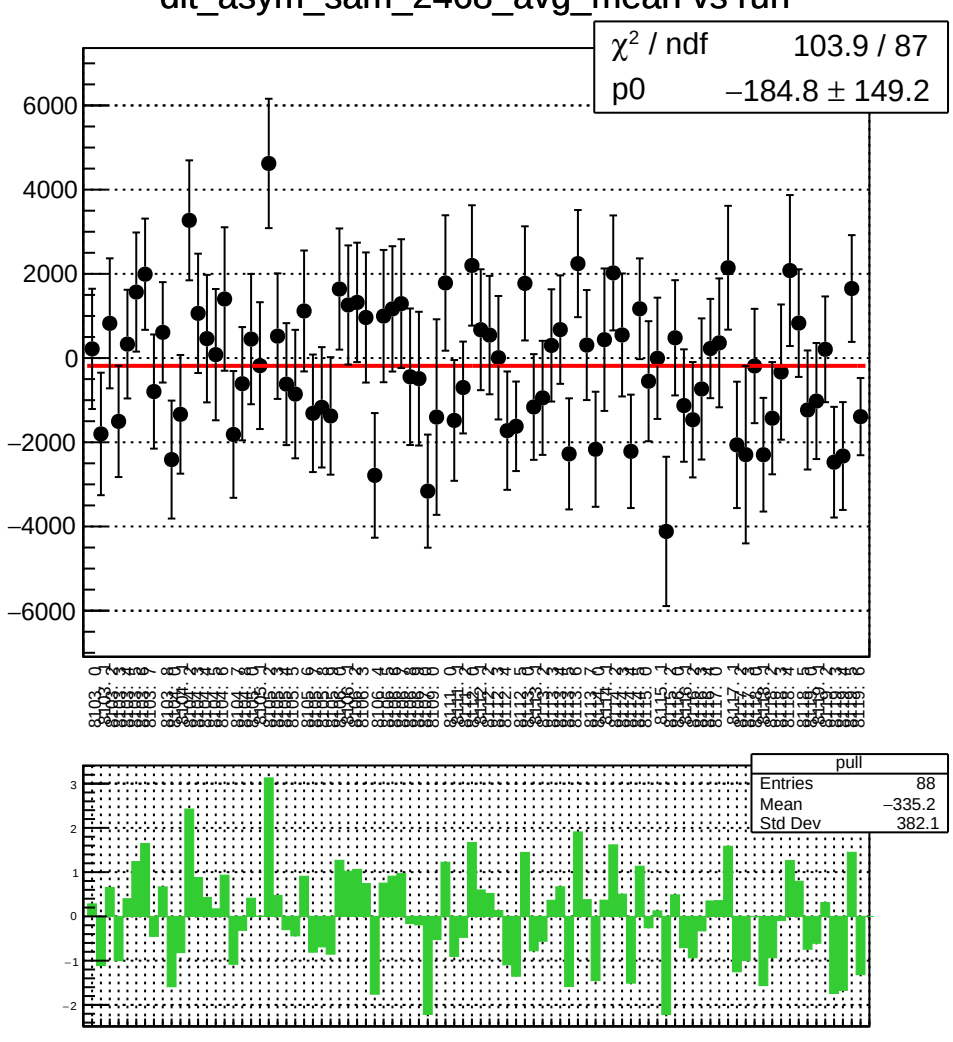

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 89.45 / 87
p0 −2059 ± 965.5
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 88
Mean 438.1
Std Dev 385
2
1
0
−1
−2

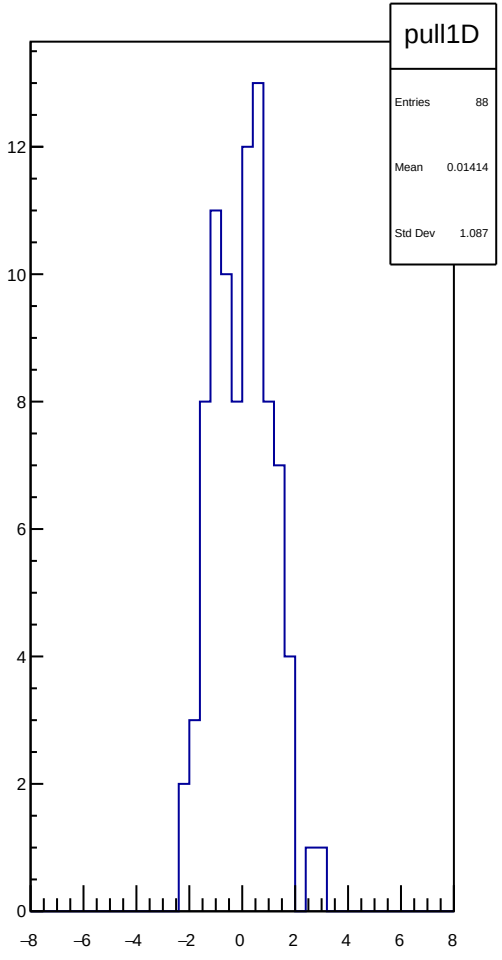

pull1D
Entries 88
Mean −0.01146
Std Dev 1.008
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

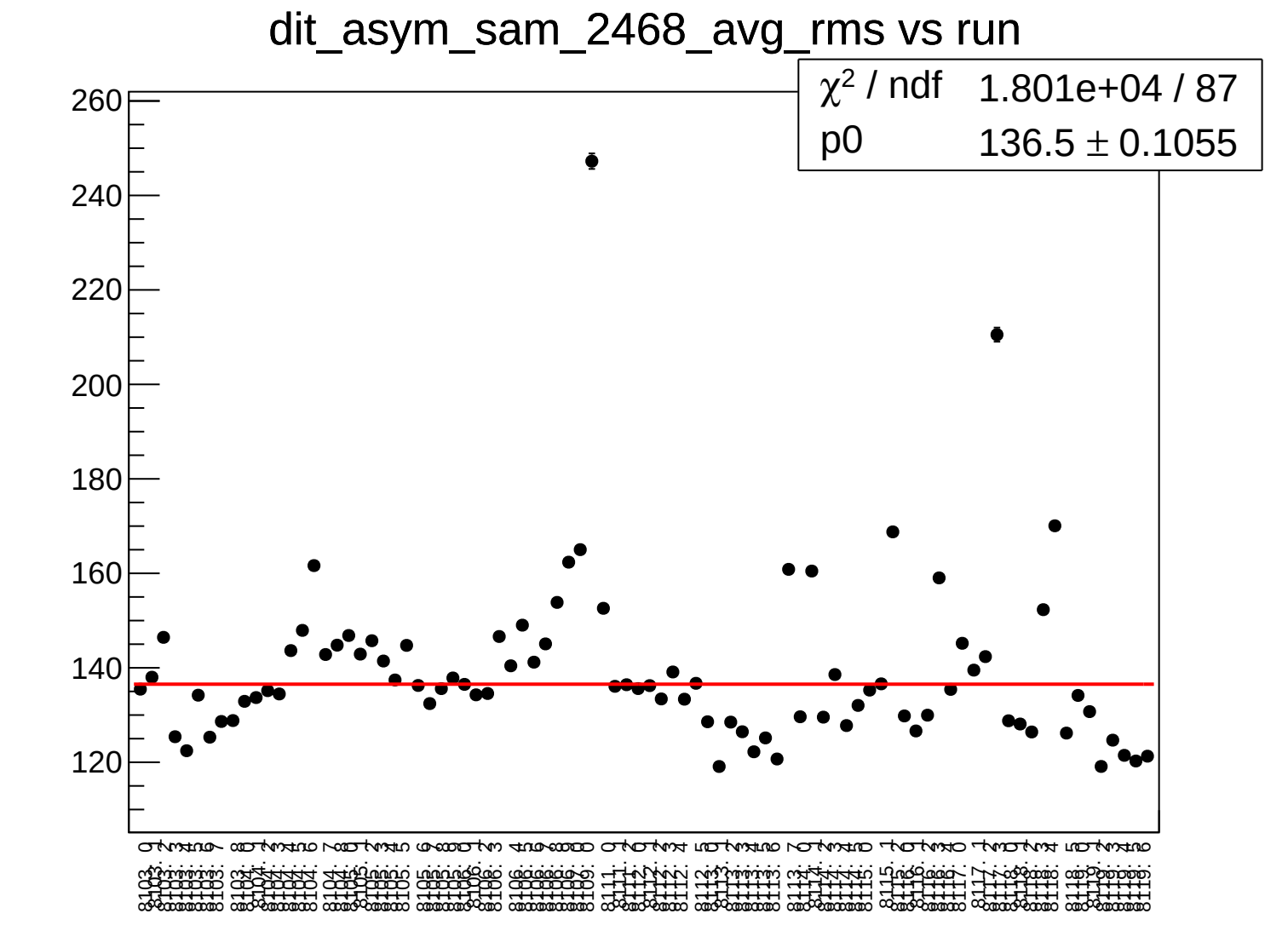

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2190 / 87
p0 887.5 ± 0.6827
1050
1000
950
900
850
800

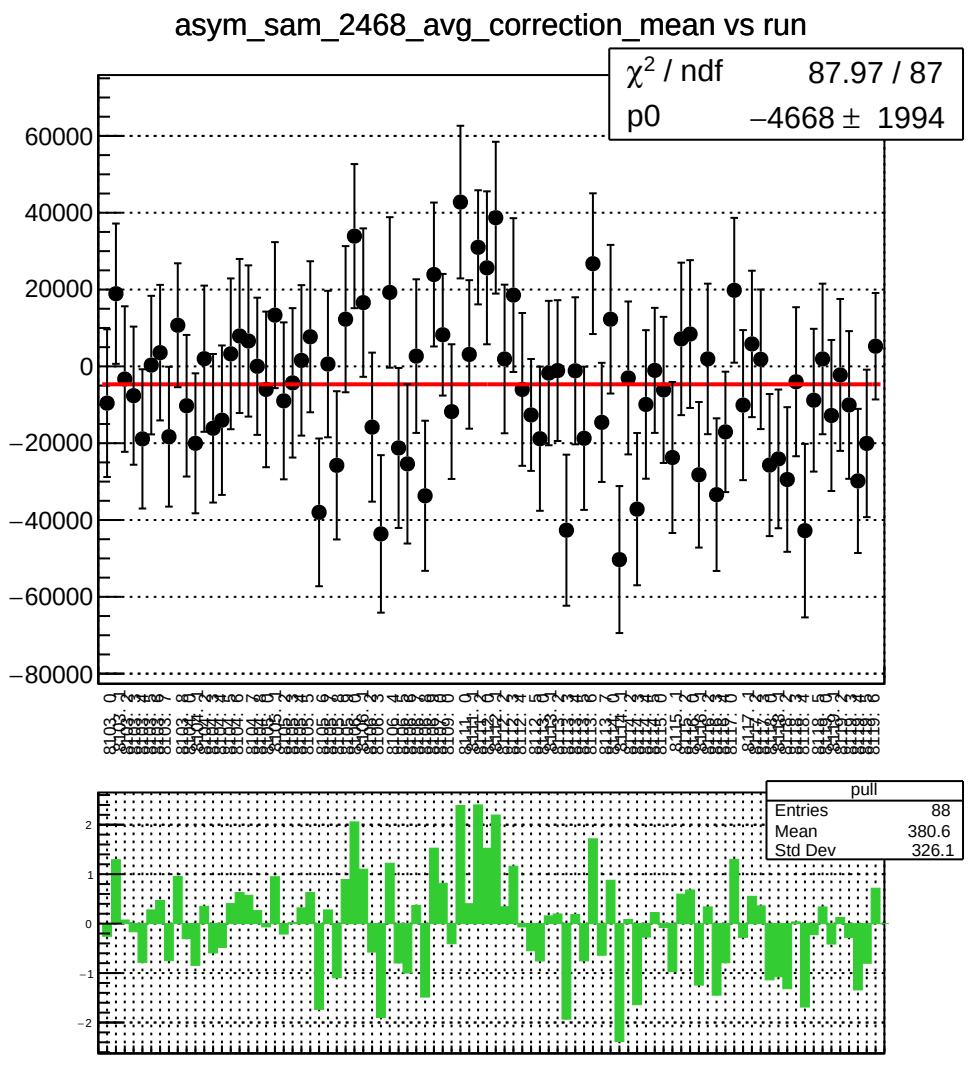

asym_sam_1357_avg_mean vs run
χ² / ndf 87.01 / 87
p0 2012 ± 964.5
pull
Entries 88
Mean 414.1
Std Dev 359.7
pull1D
Entries 88
Mean 0.01081
Std Dev 0.9943

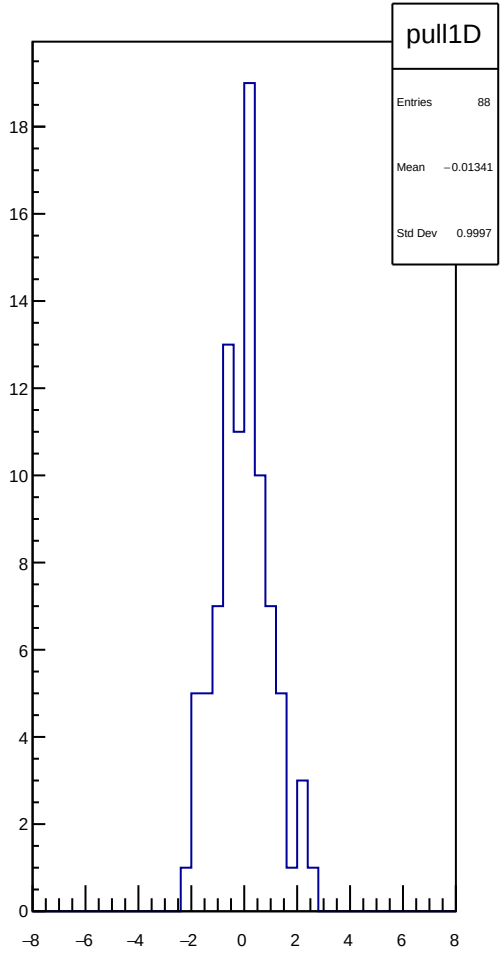

asym_sam_1357_avg_rms vs run
χ² / ndf 3022 / 87
p0 886.3 ± 0.682
1000
950
900
850
800

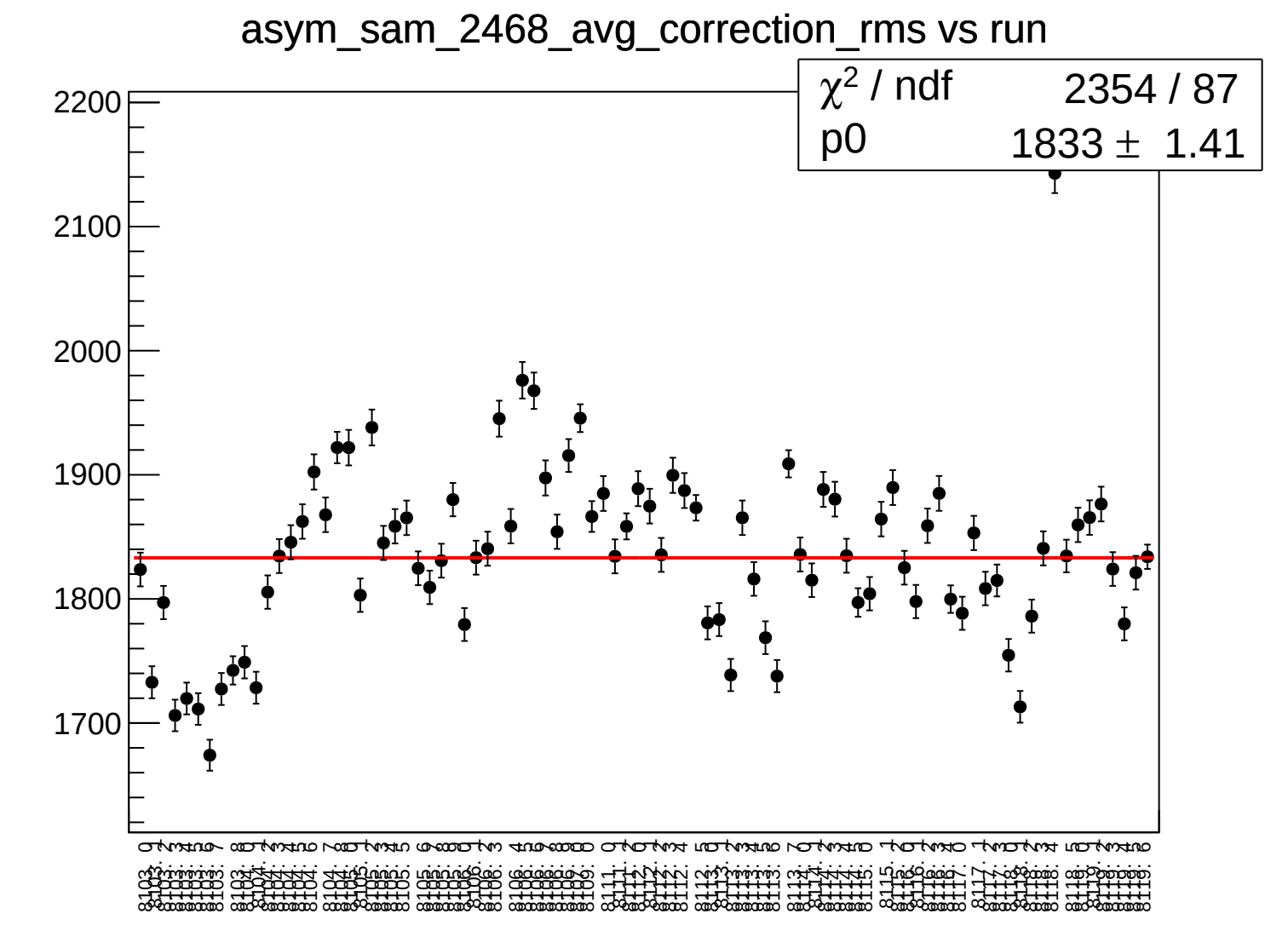

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 103.9 / 87
p0 −184.8 ± 149.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −335.2
Std Dev 382.1
3
2
1
0
−1
−2

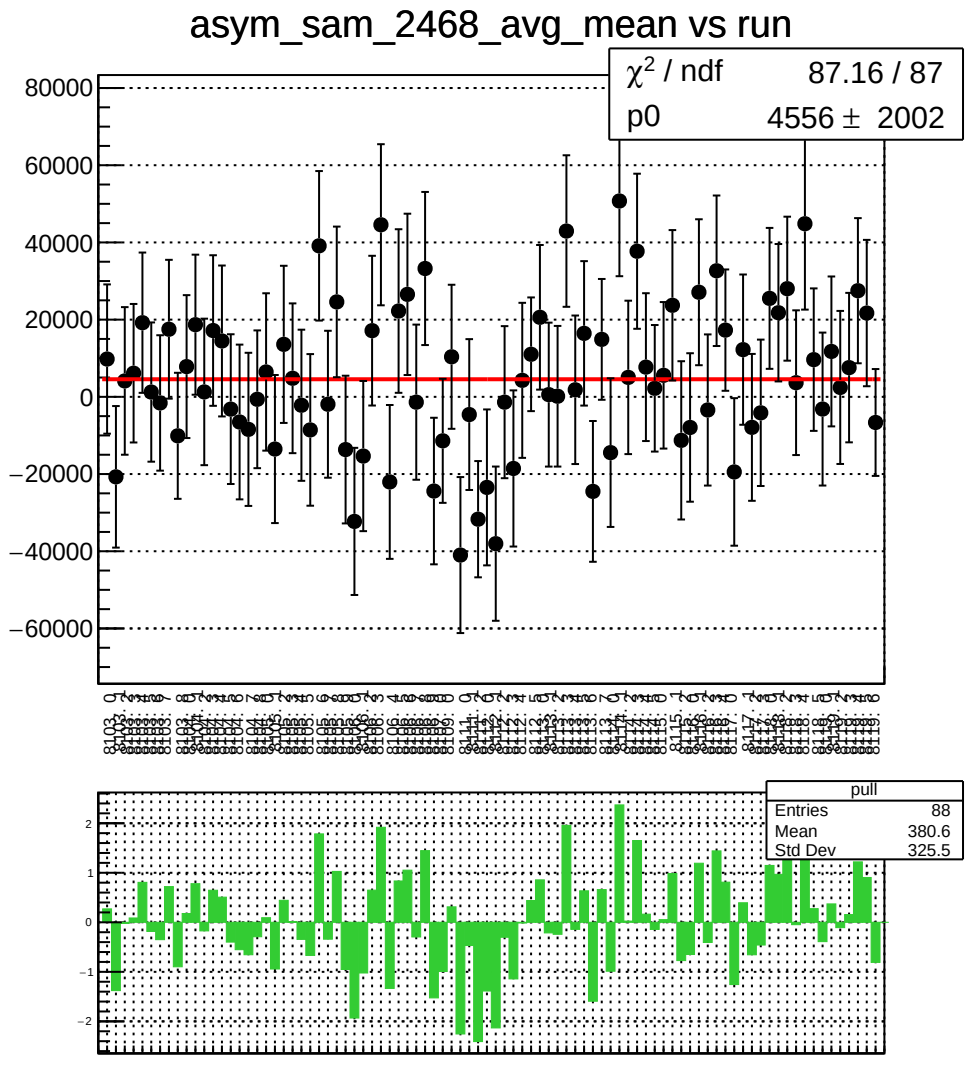

pull1D
Entries 88
Mean 0.01414
Std Dev 1.087
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

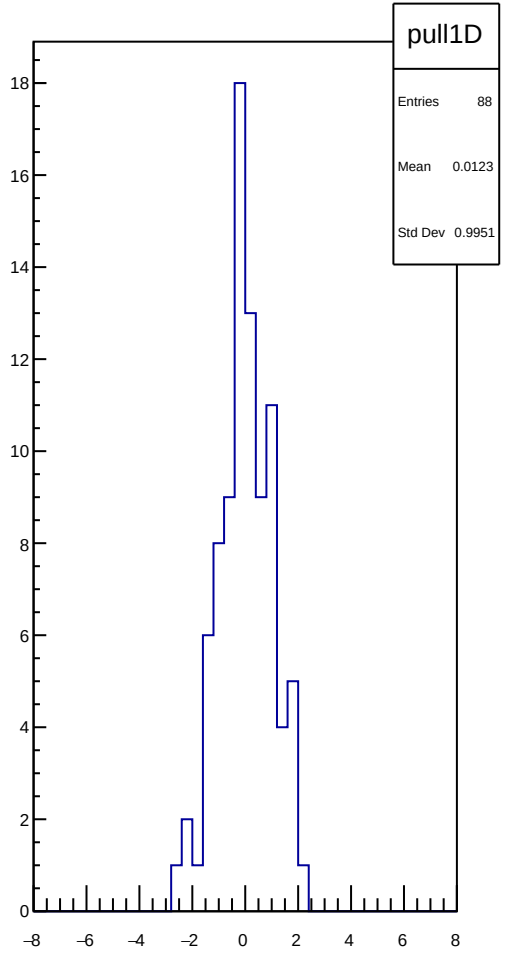

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.801e+04 / 87
p0 136.5 ± 0.1055
260
240
220
200
180
160
140
120

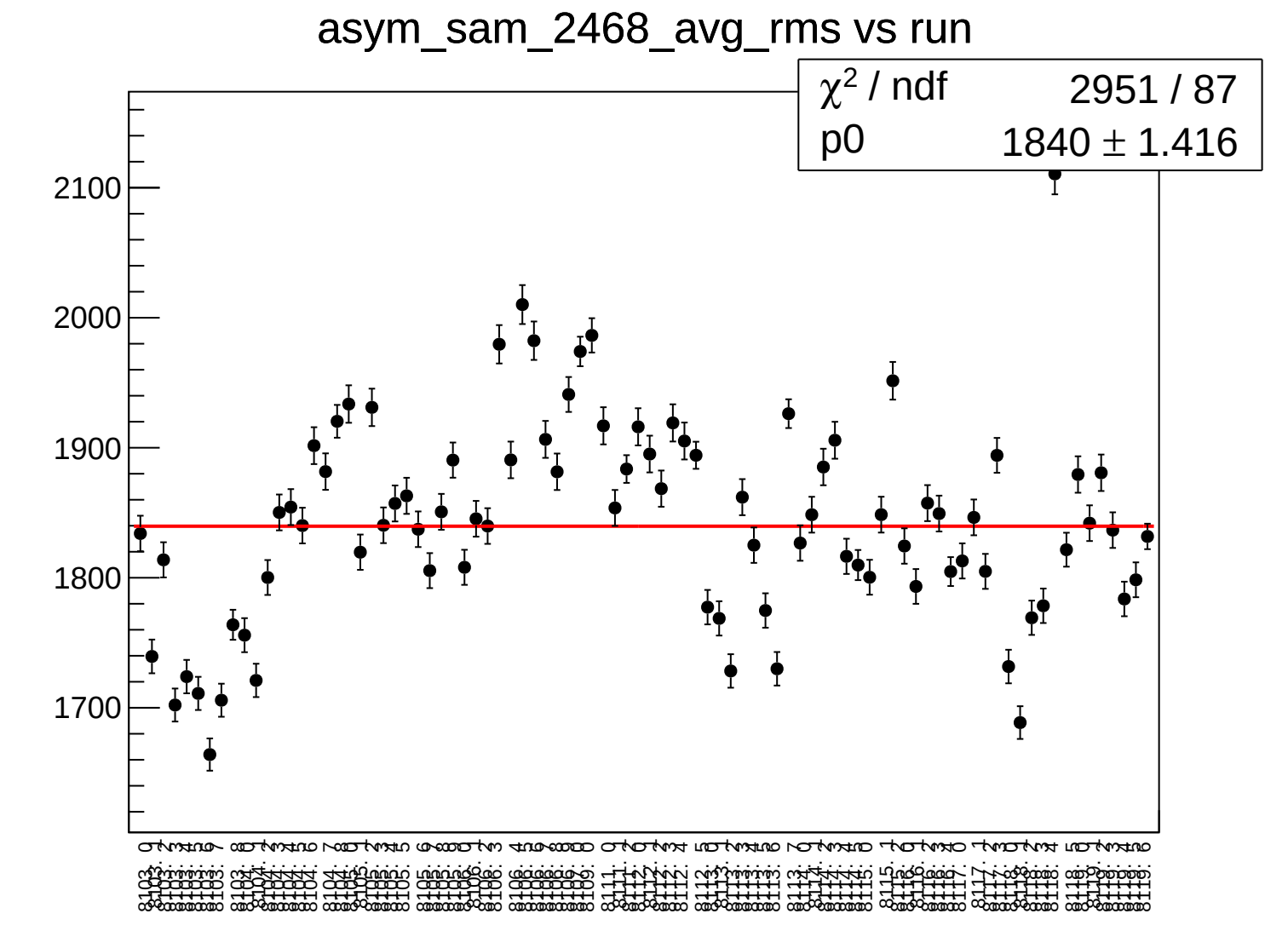

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 87.97 / 87
p0 −4668 ± 1994
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean 380.6
Std Dev 326.1
2
1
0
−1
−2

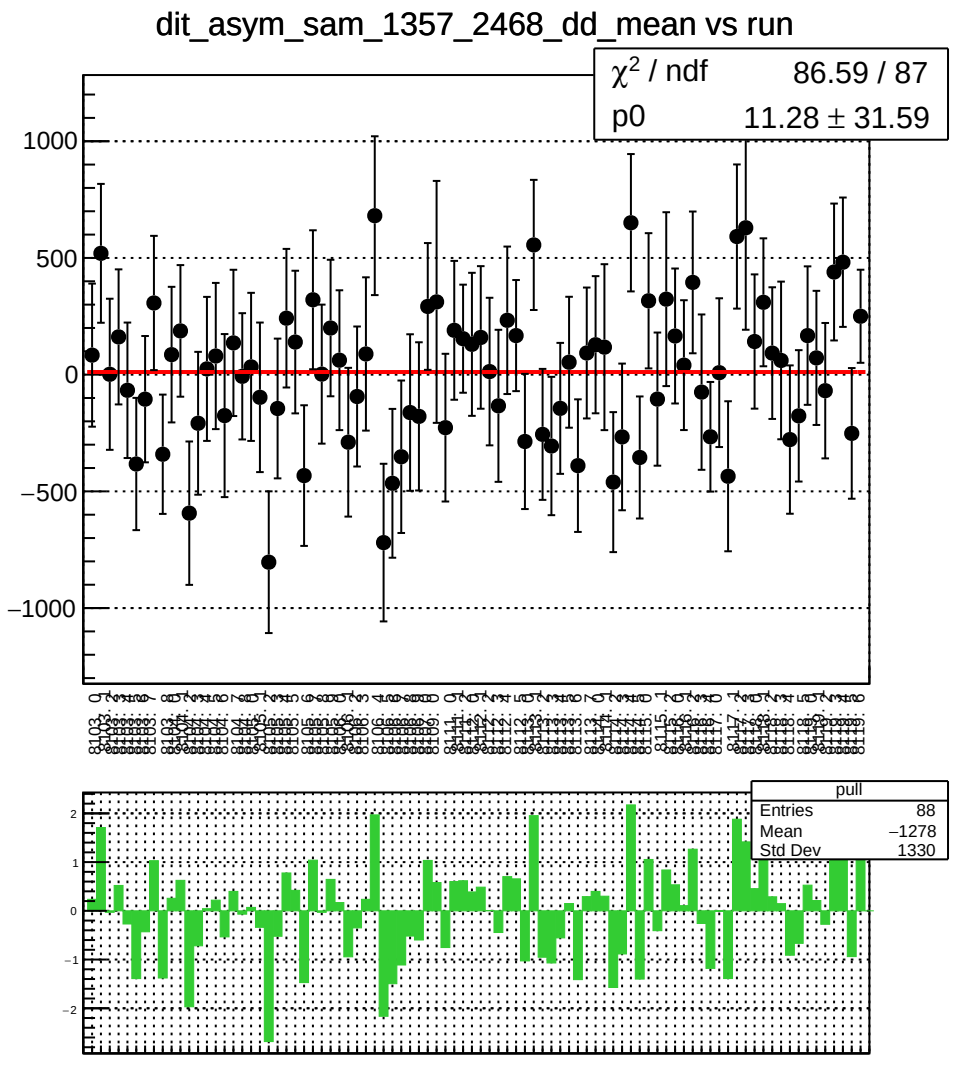

pull1D
Entries 88
Mean −0.01341
Std Dev 0.9997
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

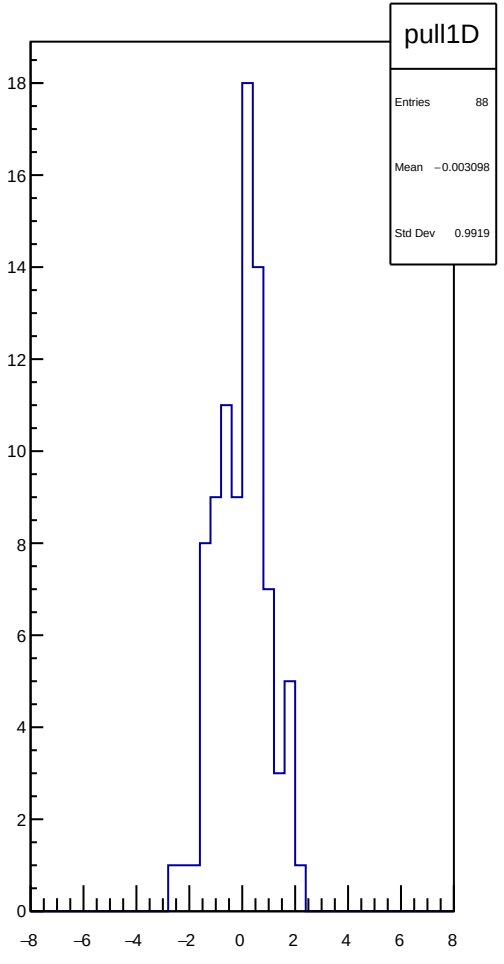

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2354 / 87
p0 1833 ± 1.41
2200
2100
2000
1900
1800
1700

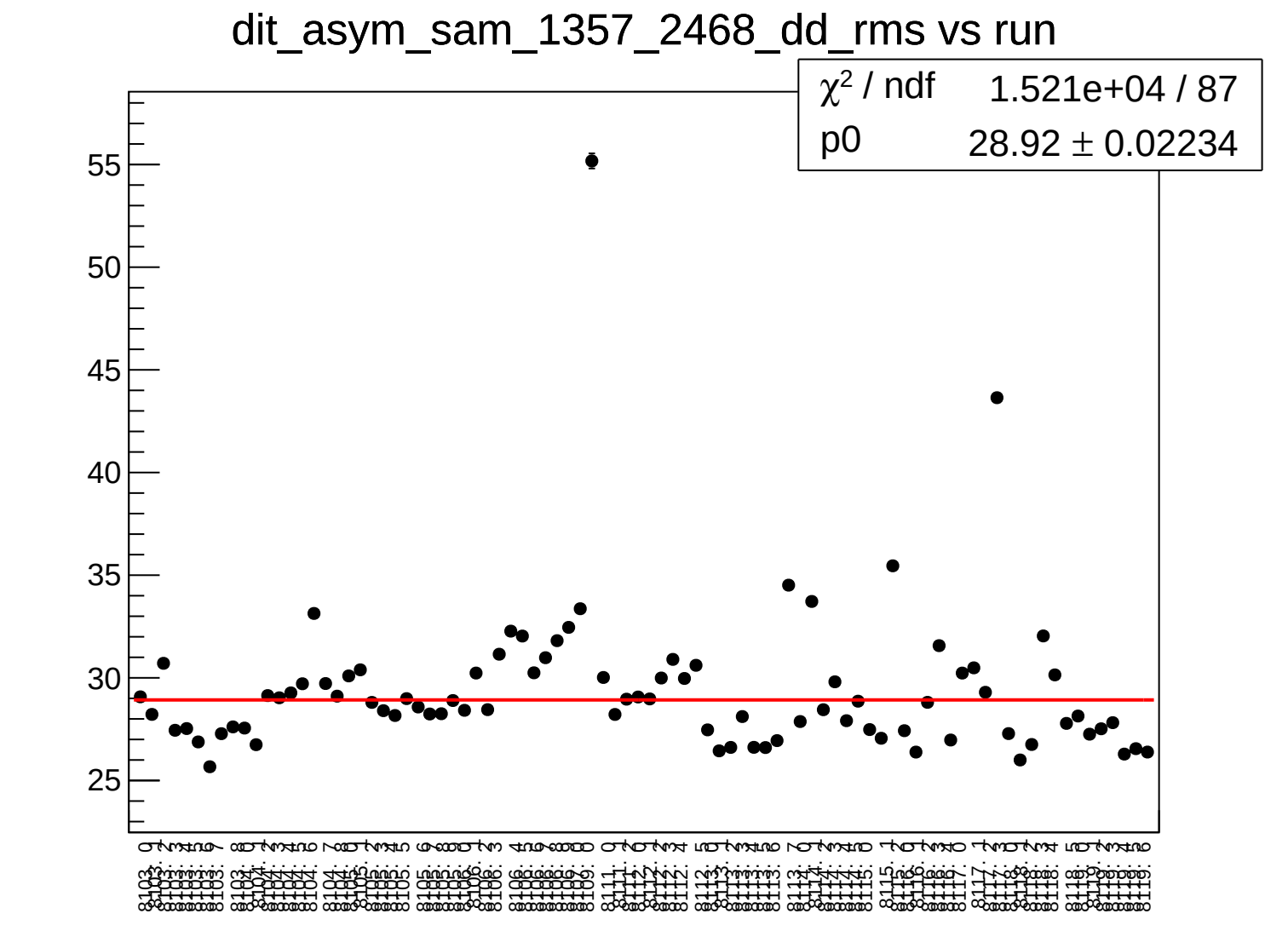

asym_sam_2468_avg_mean vs run
χ² / ndf 87.16 / 87
p0 4556 ± 2002
pull
Entries 88
Mean 380.6
Std Dev 325.5

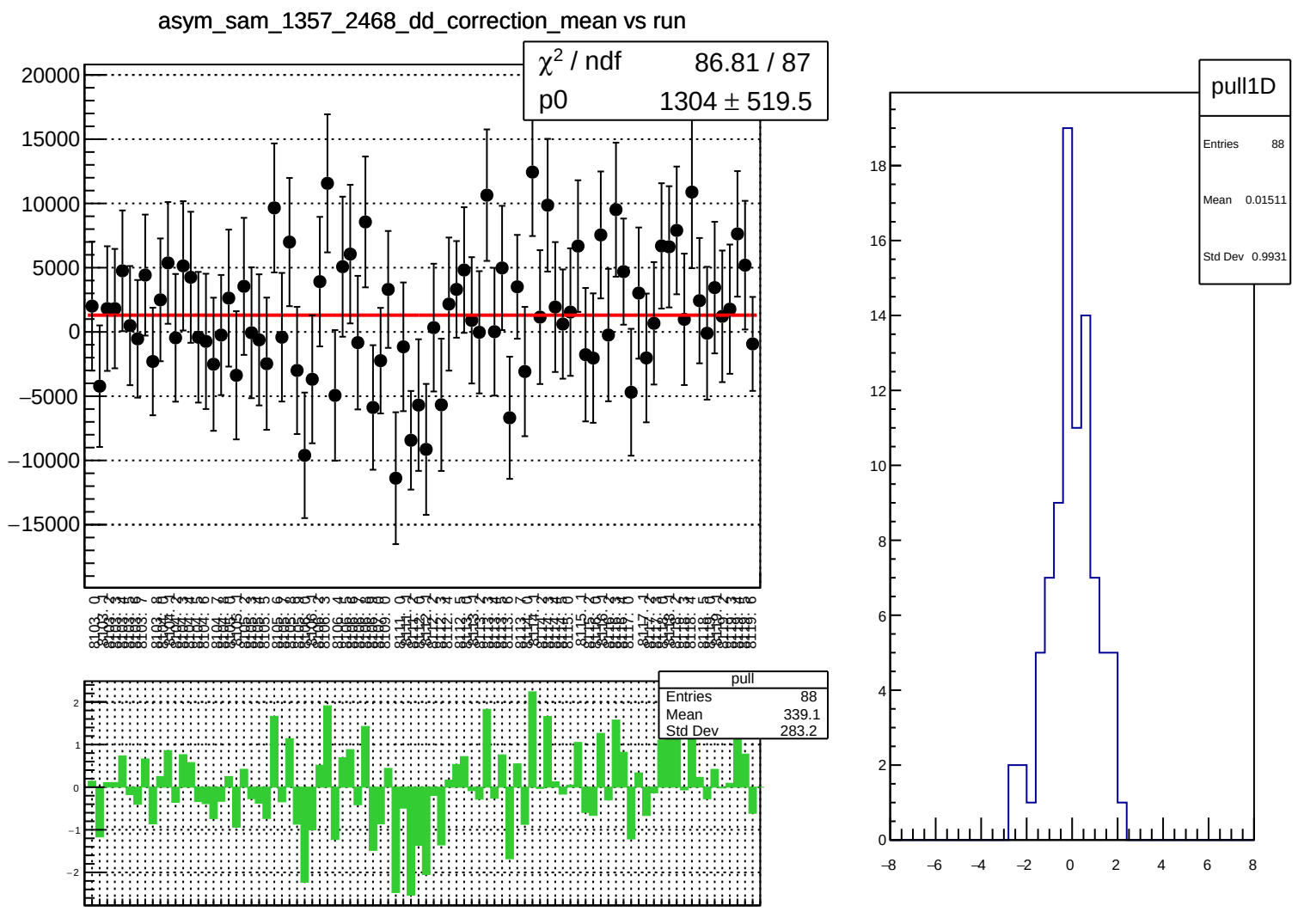

pull1D
Entries 88
Mean 0.0123
Std Dev 0.9951

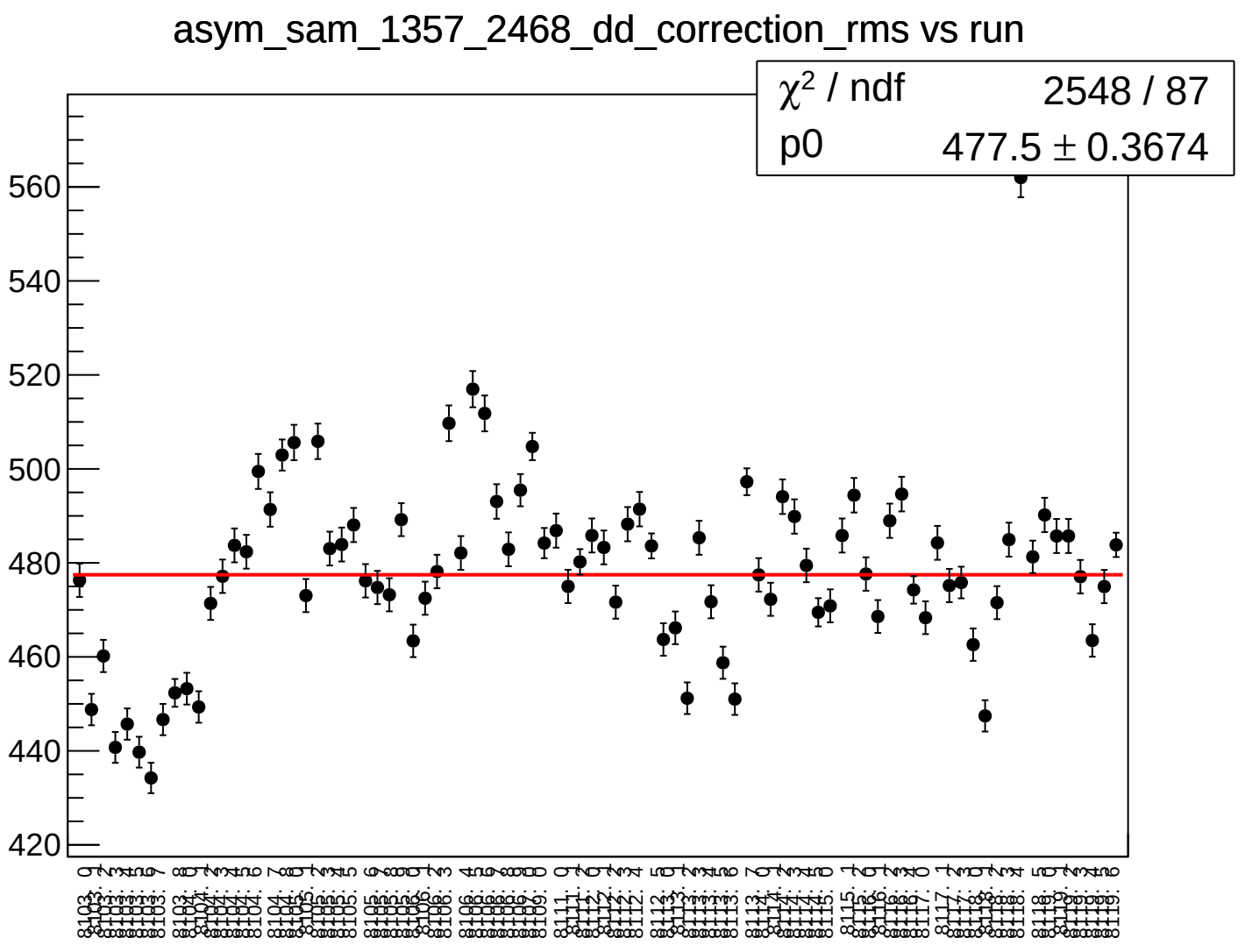

asym_sam_2468_avg_rms vs run
χ^2 / ndf 2951 / 87
p0 1840 ± 1.416
2100
2000
1900
1800
1700

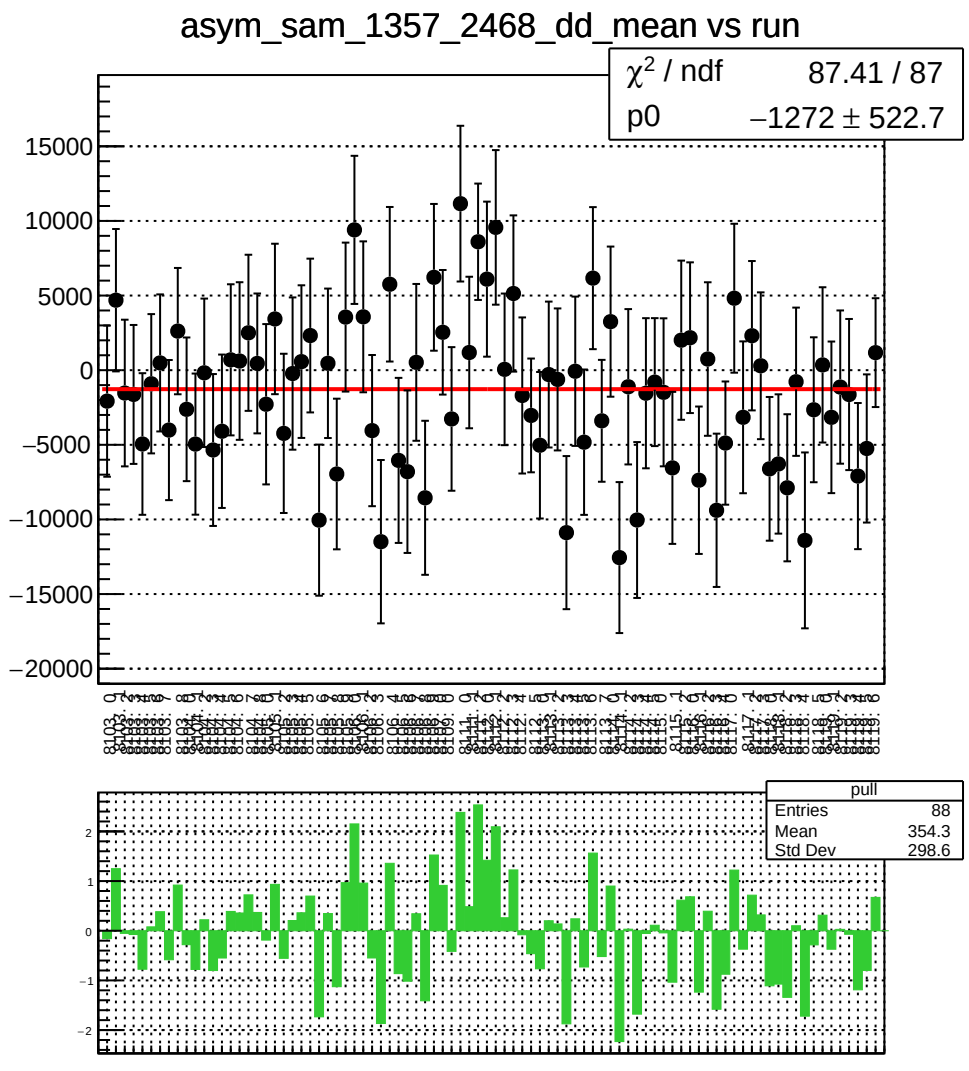

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 86.59 / 87
p0 11.28 ± 31.59
1000
500
0
−500
−1000
pull
Entries 88
Mean −1278
Std Dev 1330
2
1
0
−1
−2

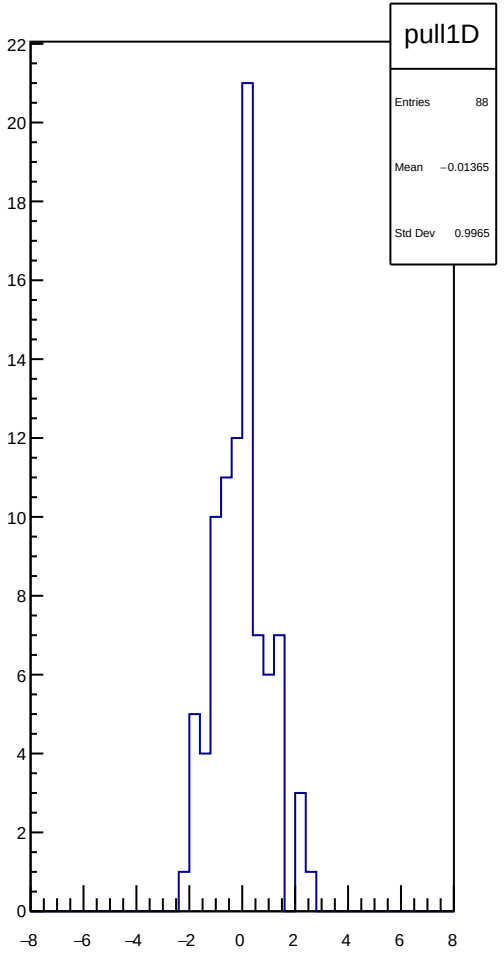

pull1D
Entries 88
Mean −0.003098
Std Dev 0.9919
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

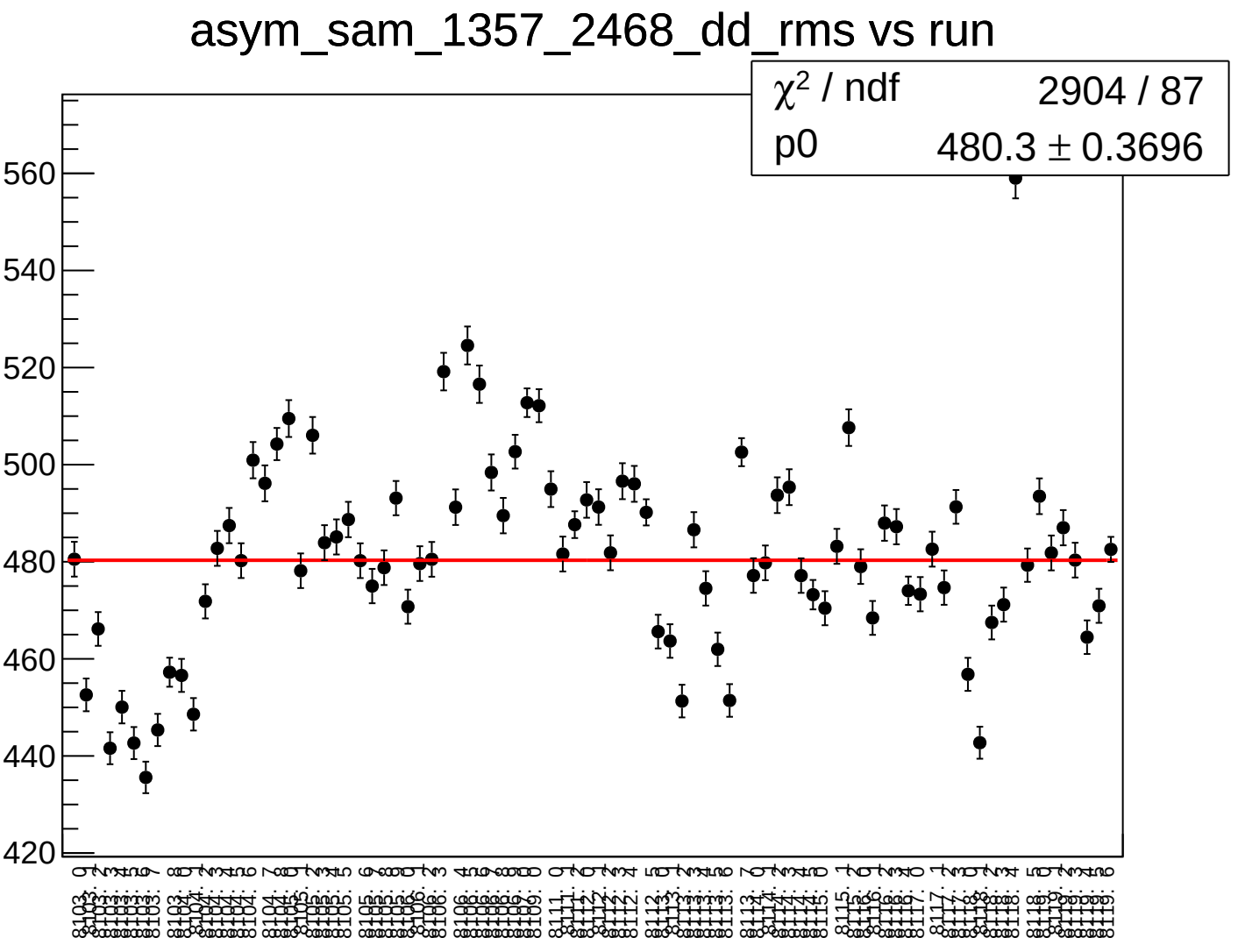

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.521e+04 / 87
p0 28.92 ± 0.02234
55
50
45
40
35
30
25

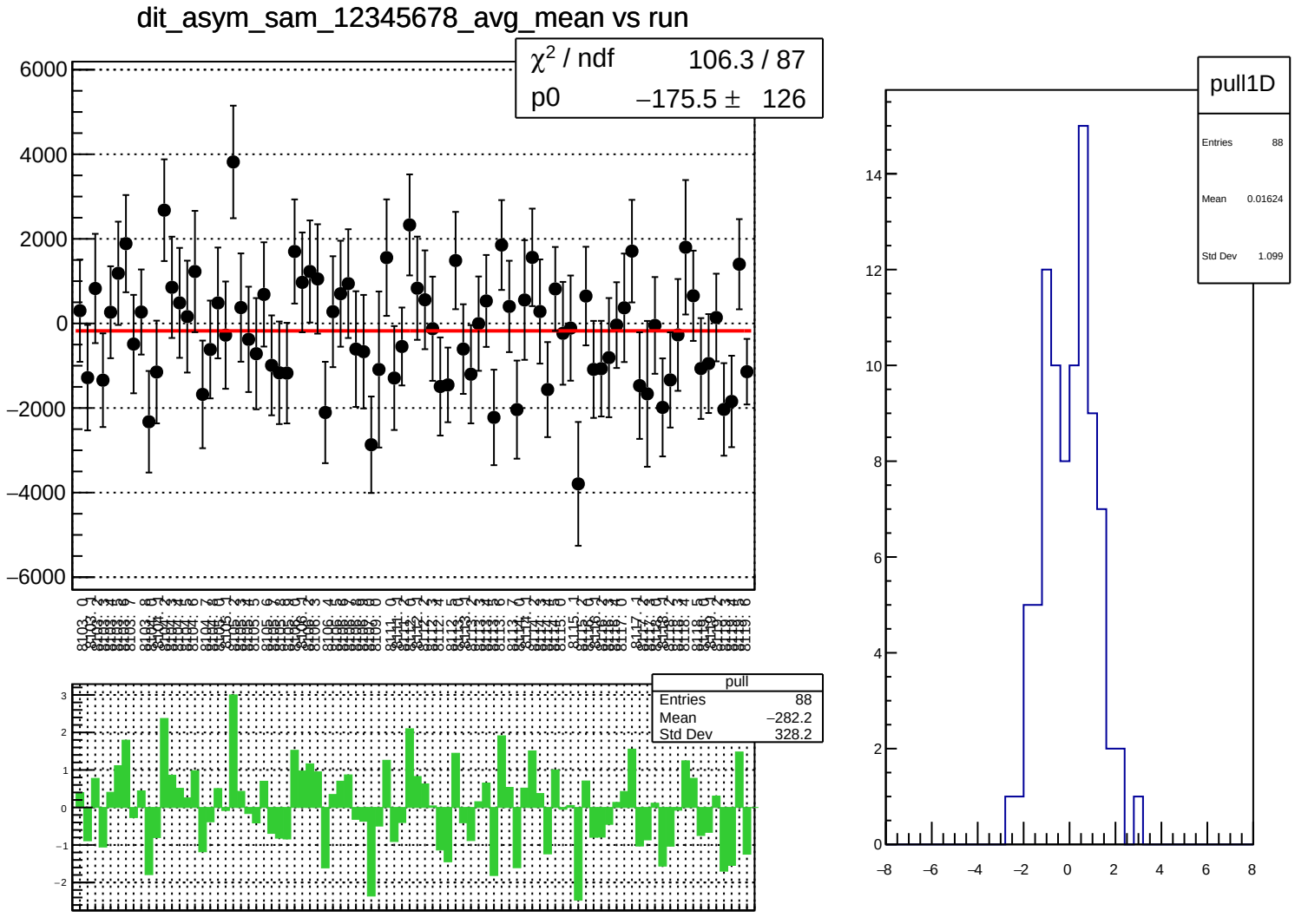

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 86.81 / 87
p0 1304 ± 519.5
pull
Entries 88
Mean 339.1
Std Dev 283.2
pull1D
Entries 88
Mean 0.01511
Std Dev 0.9931

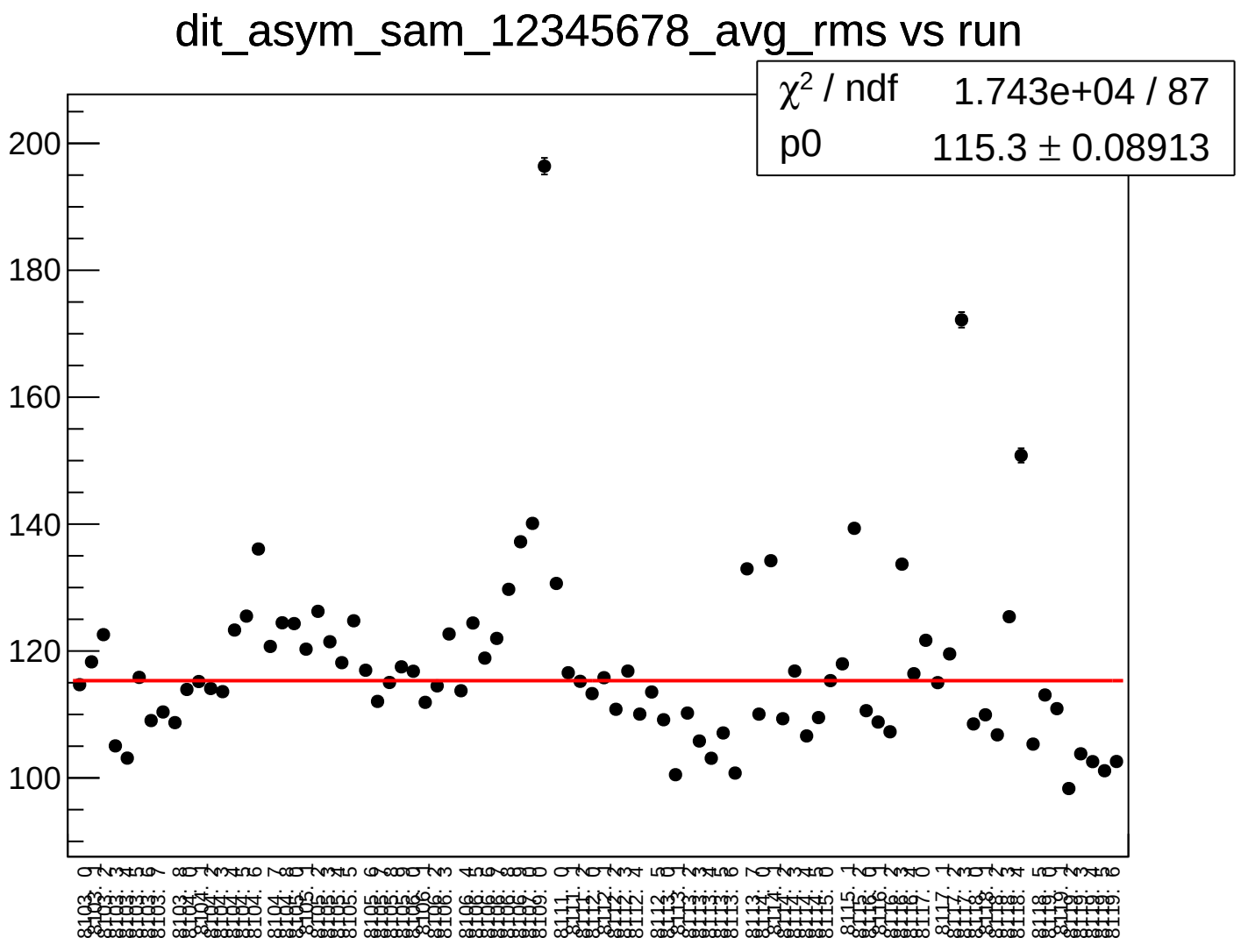

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2548 / 87
p0 477.5 ± 0.3674
560
540
520
500
480
460
440
420

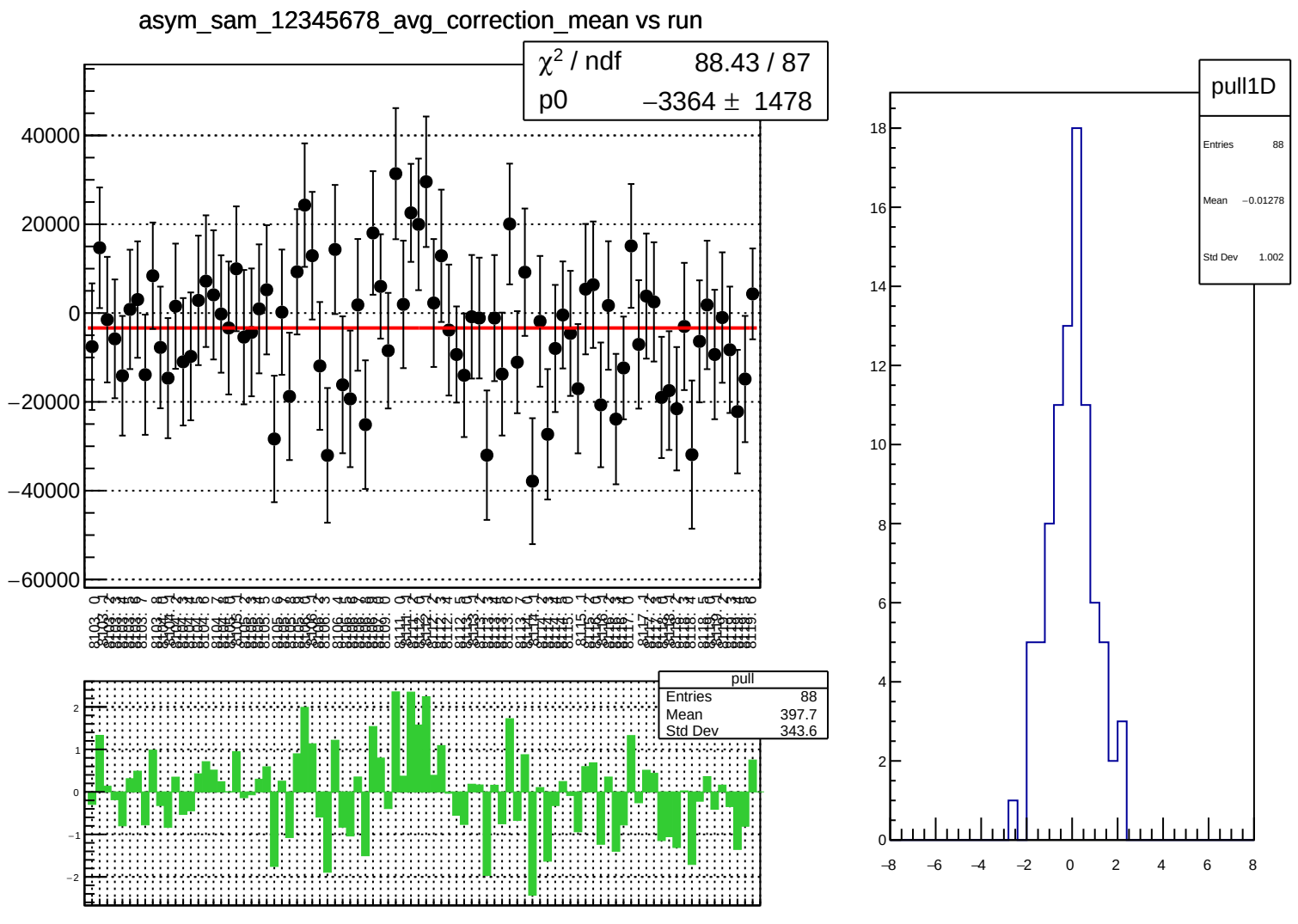

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 87.41 / 87
p0 −1272 ± 522.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 88
Mean 354.3
Std Dev 298.6
2
1
0
−1
−2

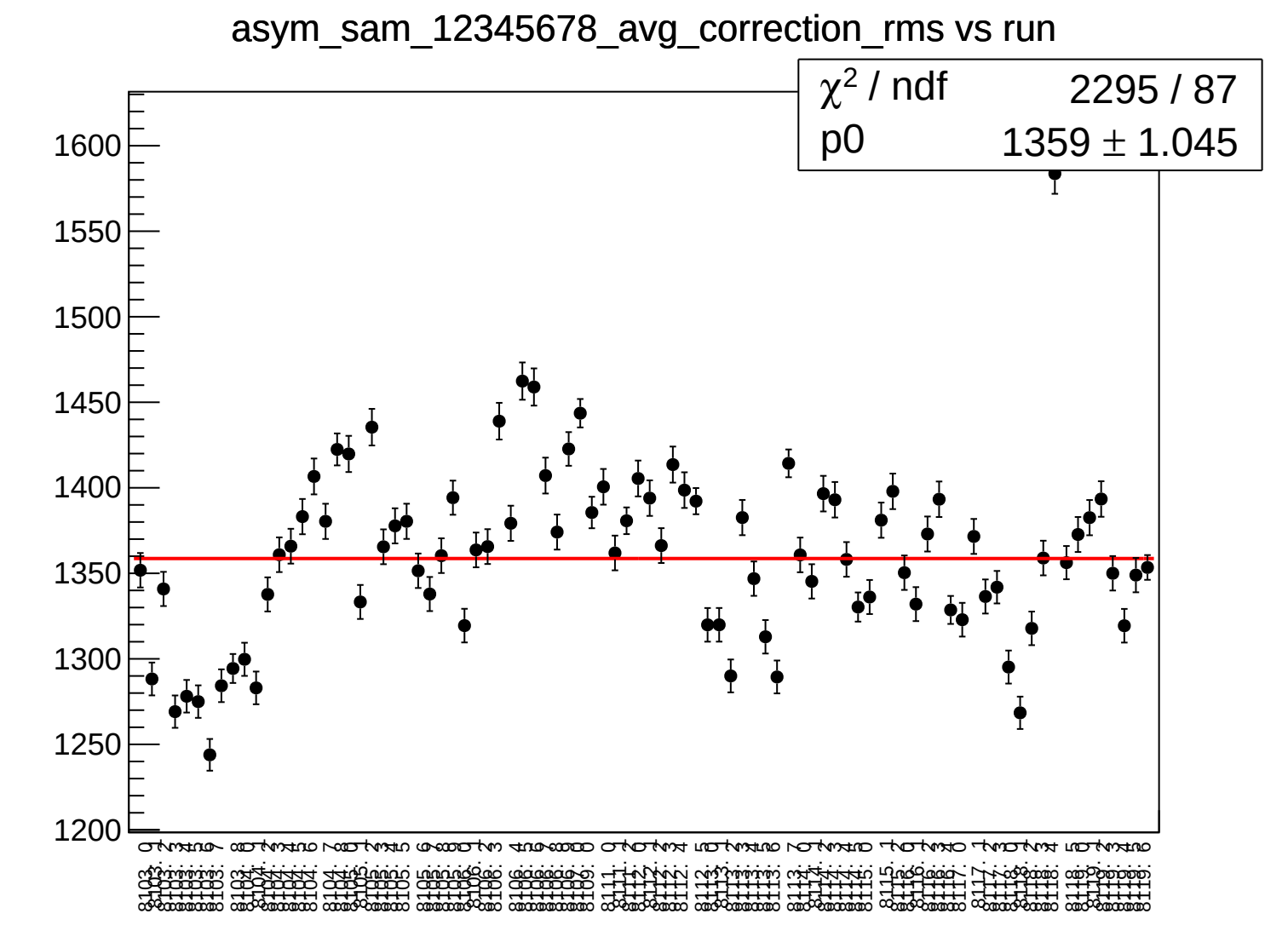

pull1D
Entries 88
Mean −0.01365
Std Dev 0.9965
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

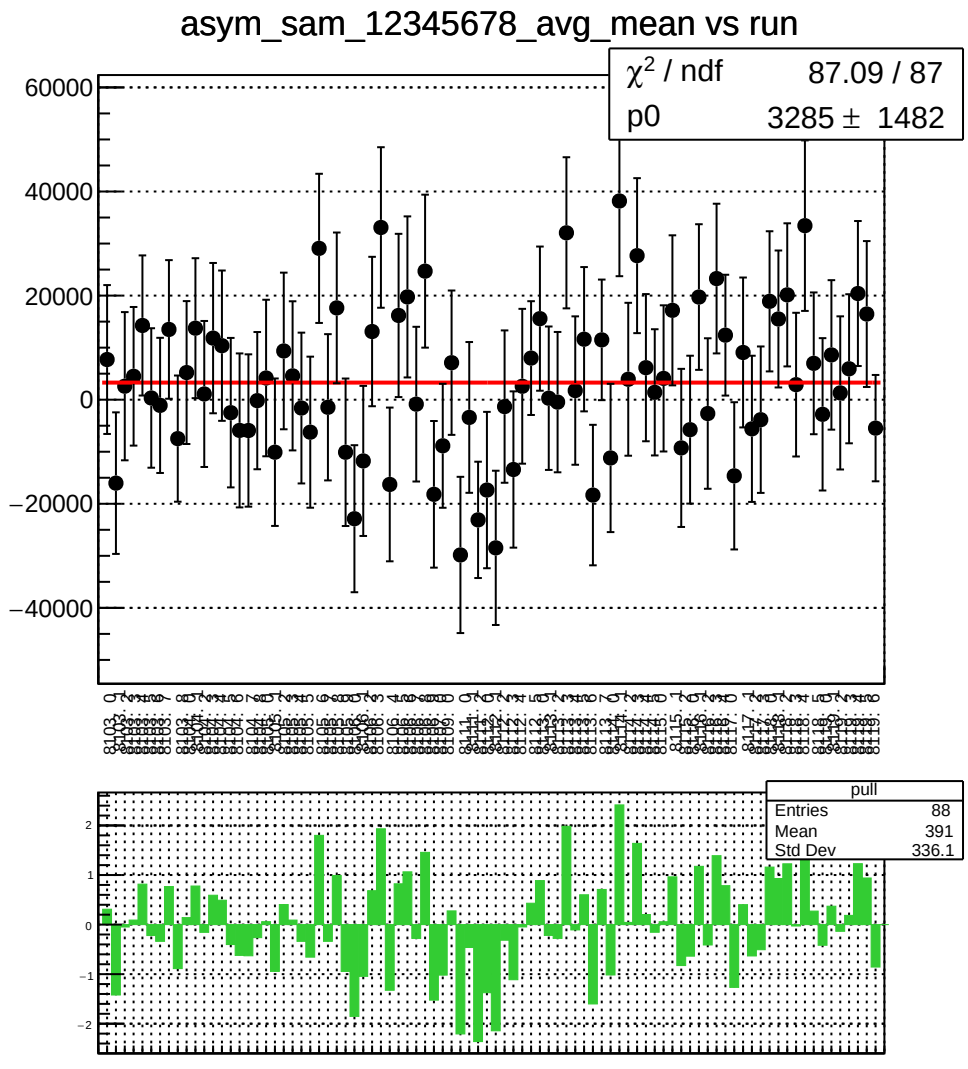

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2904 / 87
p0 480.3 ± 0.3696
560
540
520
500
480
460
440
420

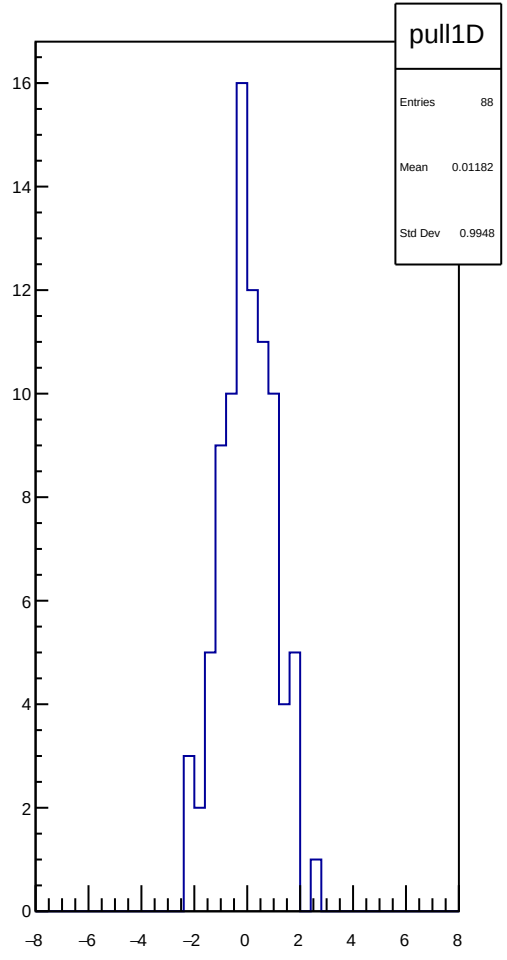

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 106.3 / 87
p0 −175.5 ± 126
pull
Entries 88
Mean −282.2
Std Dev 328.2
pull1D
Entries 88
Mean 0.01624
Std Dev 1.099

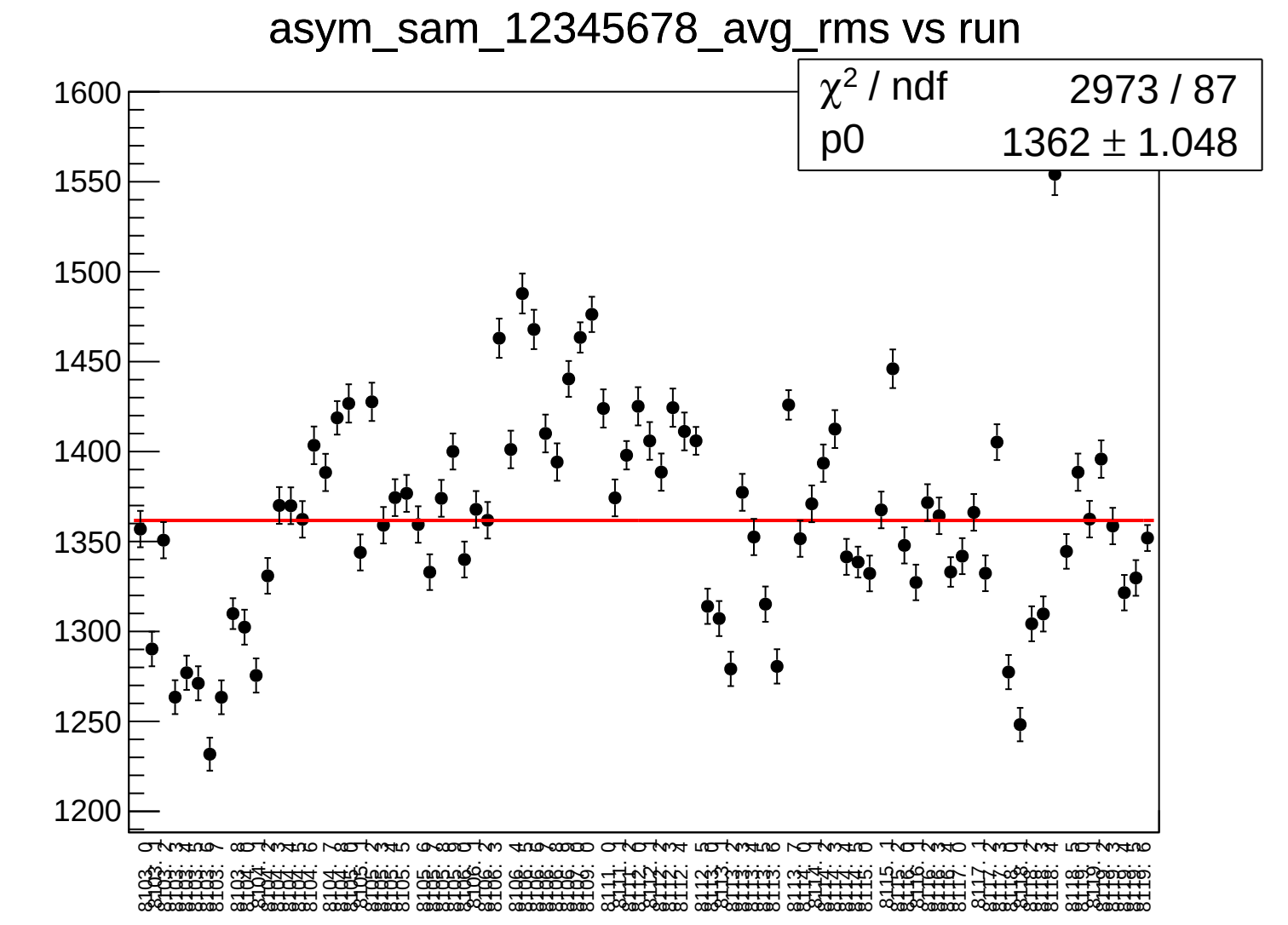

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.743e+04 / 87
p0 115.3 ± 0.08913
200
180
160
140
120
100

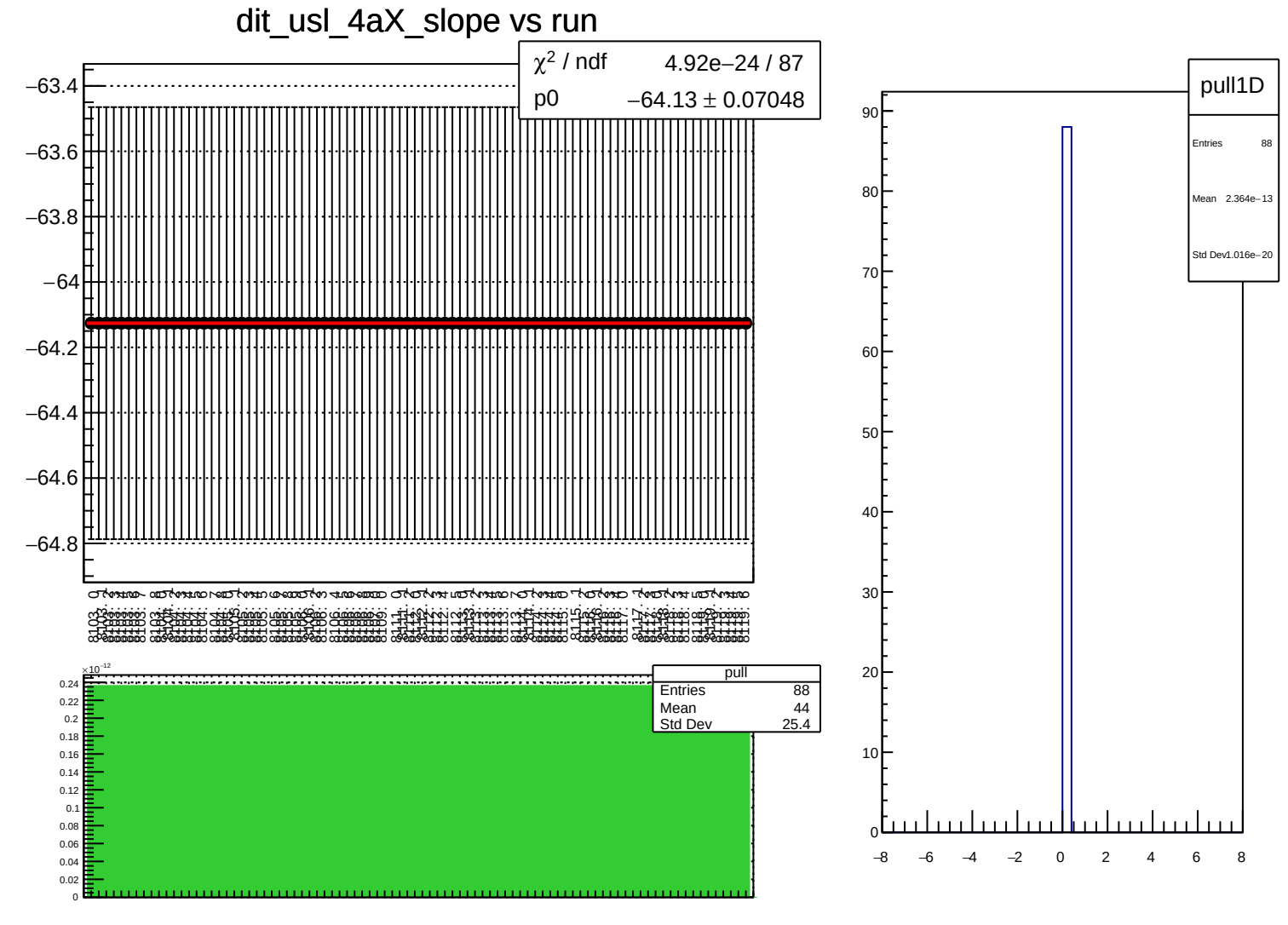

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 88.43 / 87
p0 −3364 ± 1478
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 397.7
Std Dev 343.6
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.01278
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

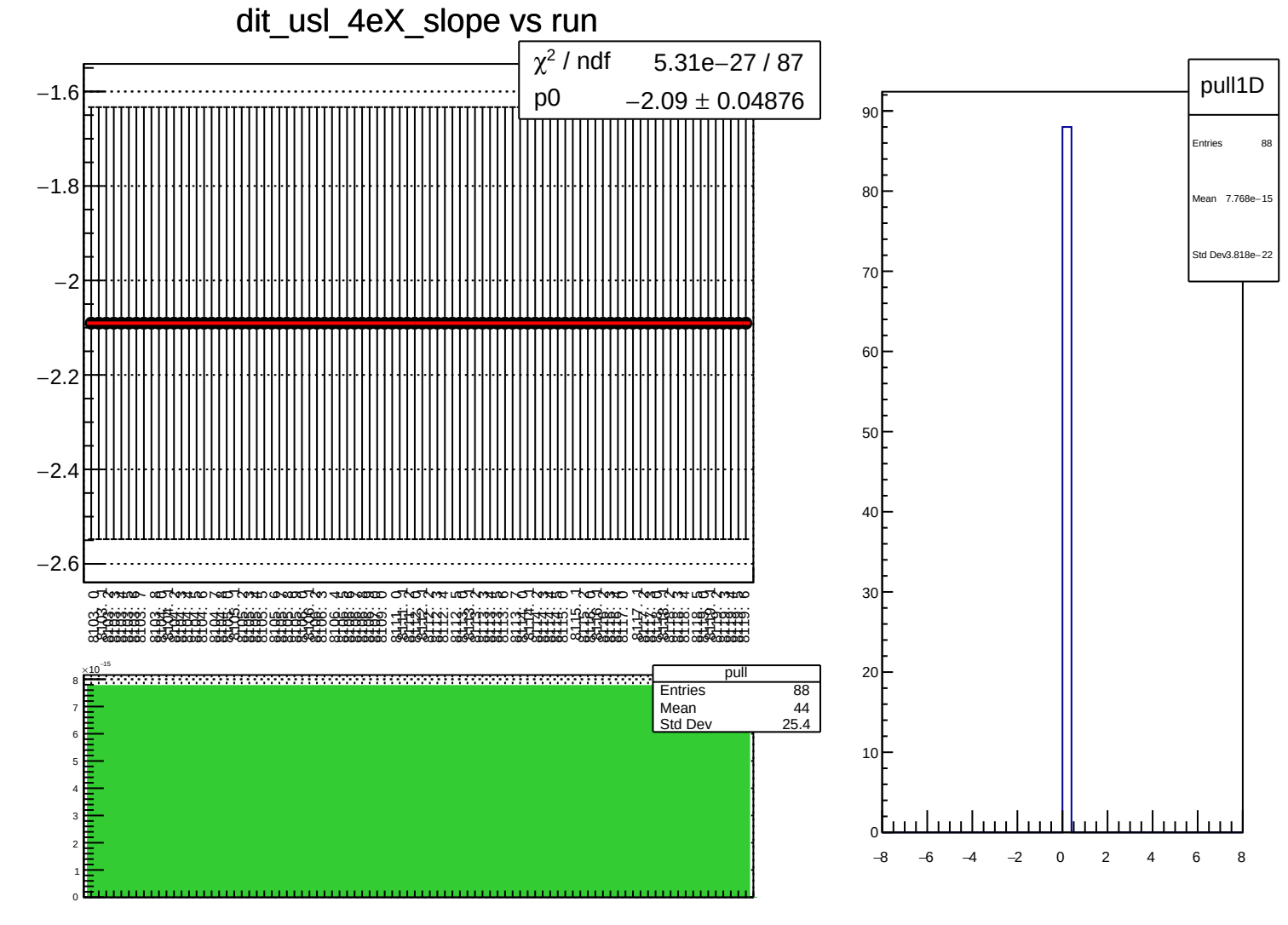

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2295 / 87
p0 1359 ± 1.045
1600
1550
1500
1450
1400
1350
1300
1250
1200

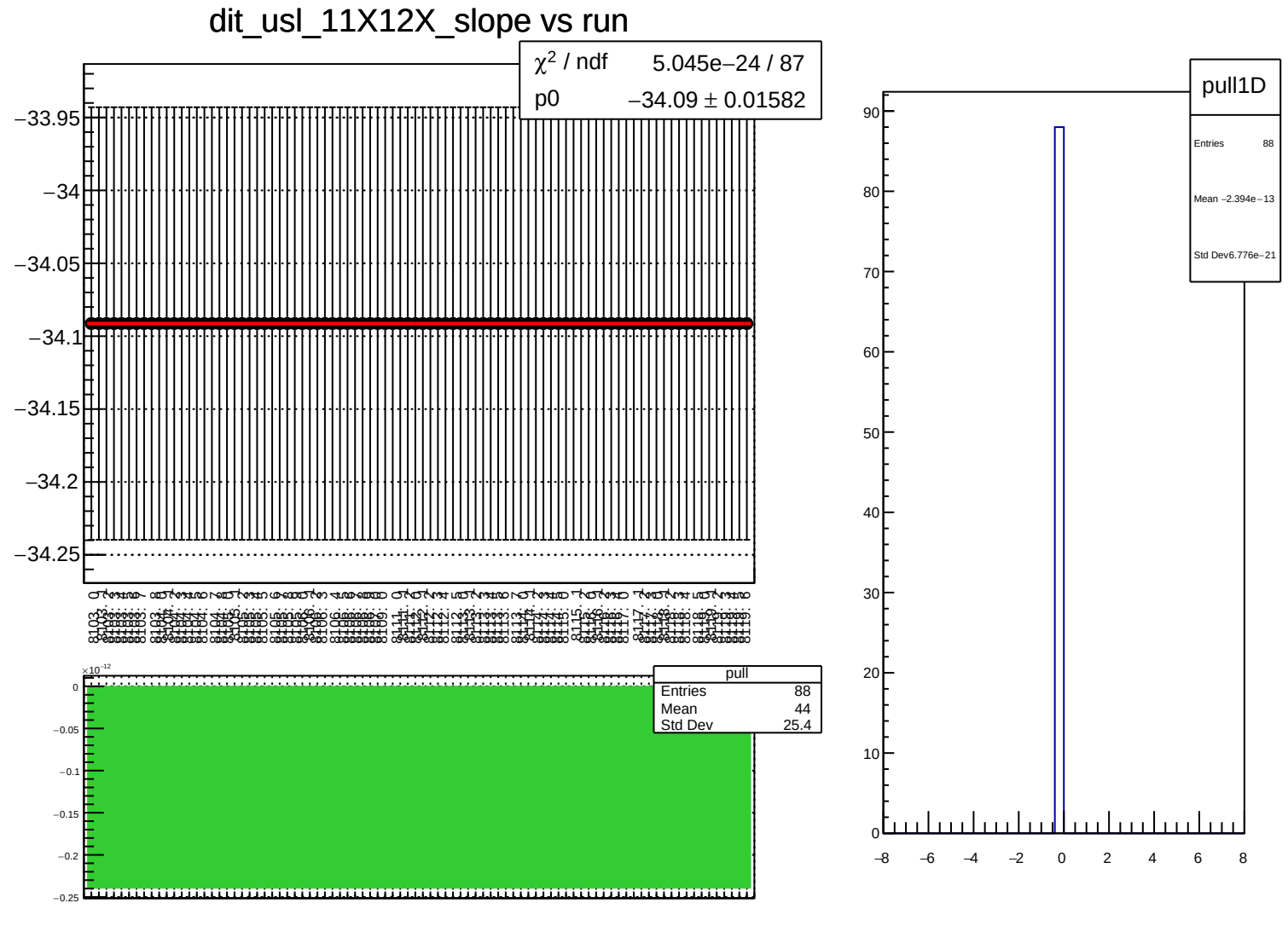

asym_sam_12345678_avg_mean vs run
χ² / ndf 87.09 / 87
p0 3285 ± 1482
60000
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 391
Std Dev 336.1
2
1
0
−1
−2

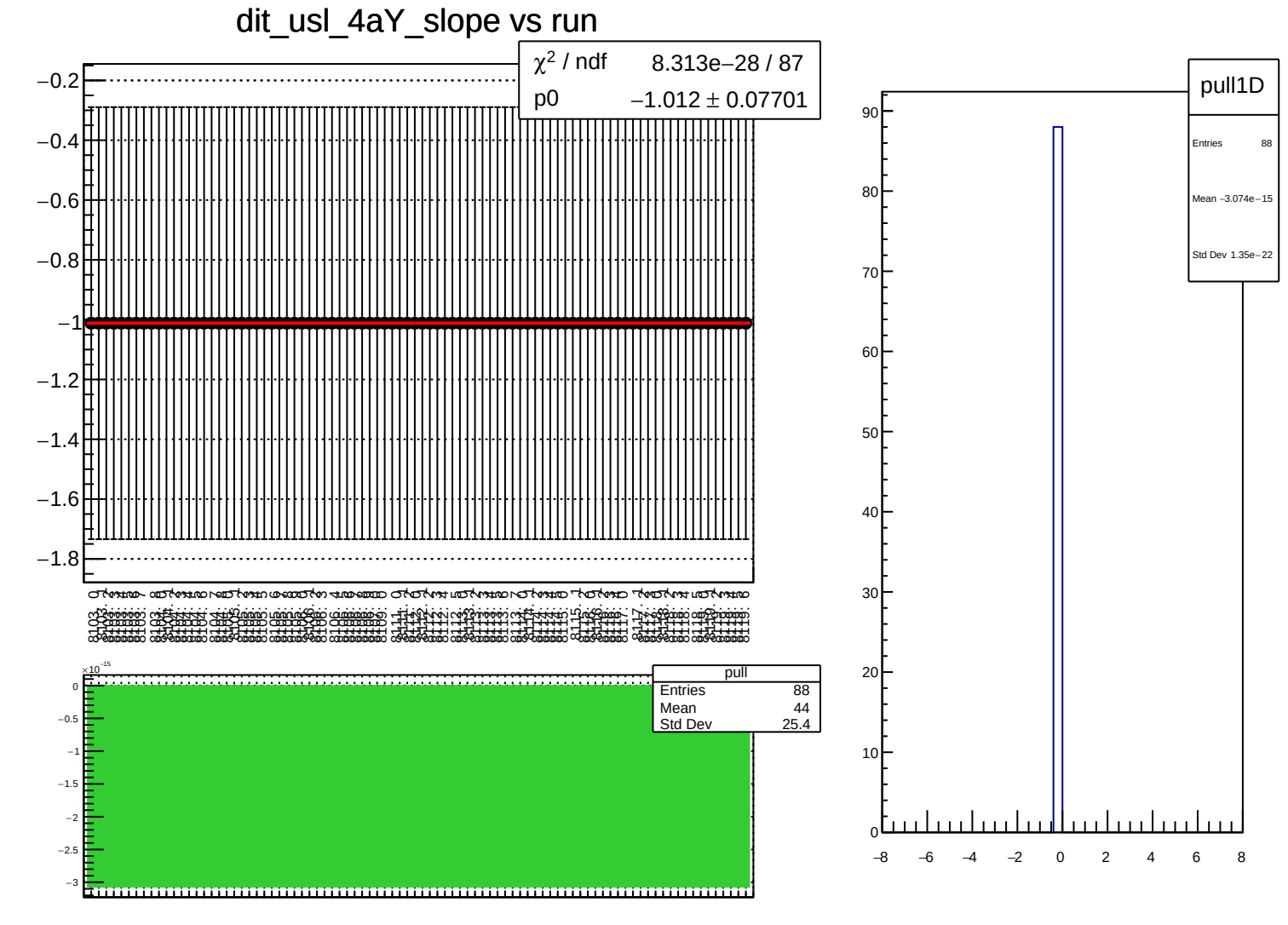

pull1D
Entries 88
Mean 0.01182
Std Dev 0.9948
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

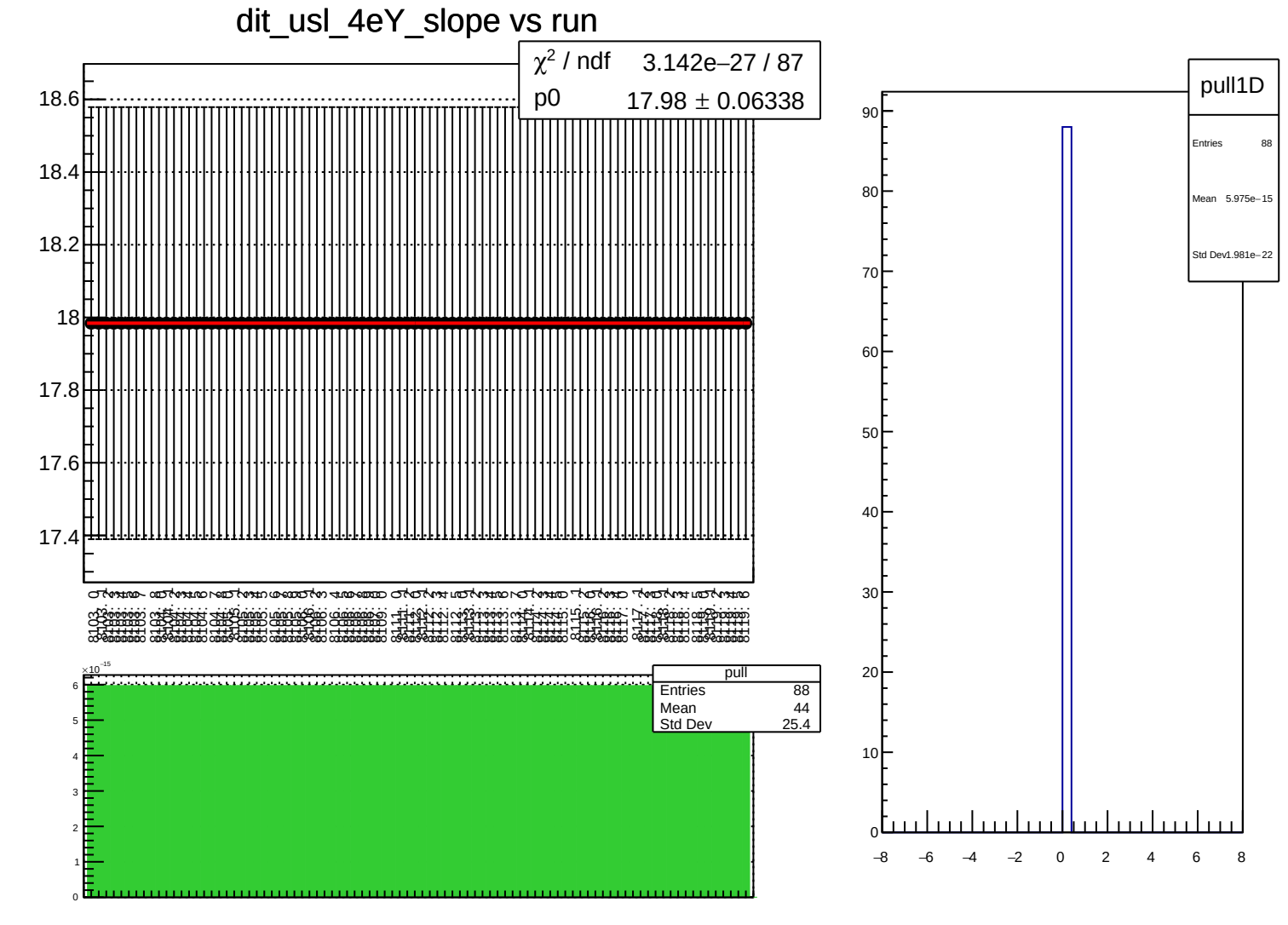

asym_sam_12345678_avg_rms vs run
χ² / ndf 2973 / 87
p0 1362 ± 1.048
1600
1550
1500
1450
1400
1350
1300
1250
1200

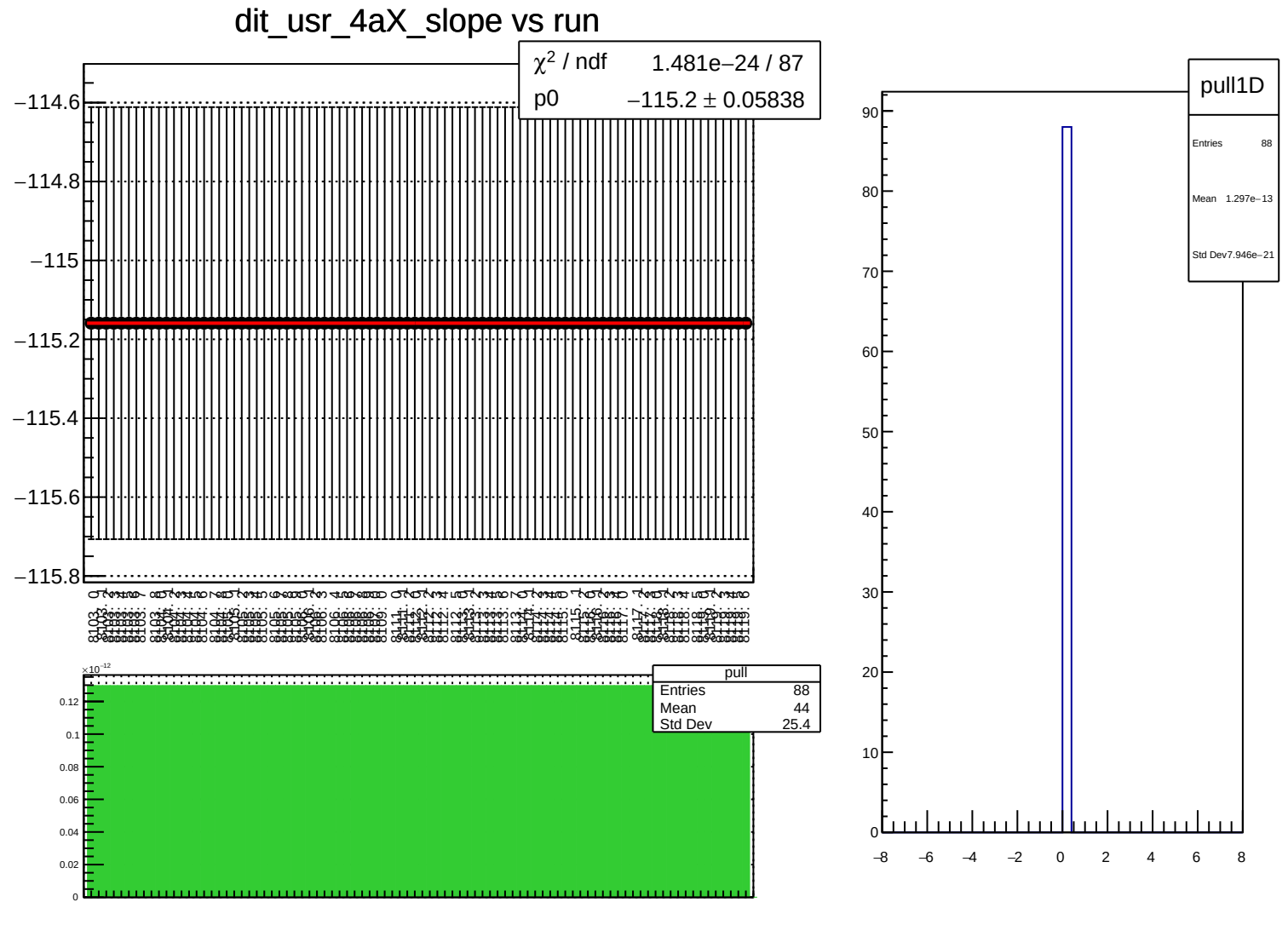

dit_usl_4aX_slope vs run
χ² / ndf 4.92e−24 / 87
p0 −64.13 ± 0.07048
−63.4
−63.6
−63.8
−64
−64.2
−64.4
−64.6
−64.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 88
Mean 2.364e−13
Std Dev1.016e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

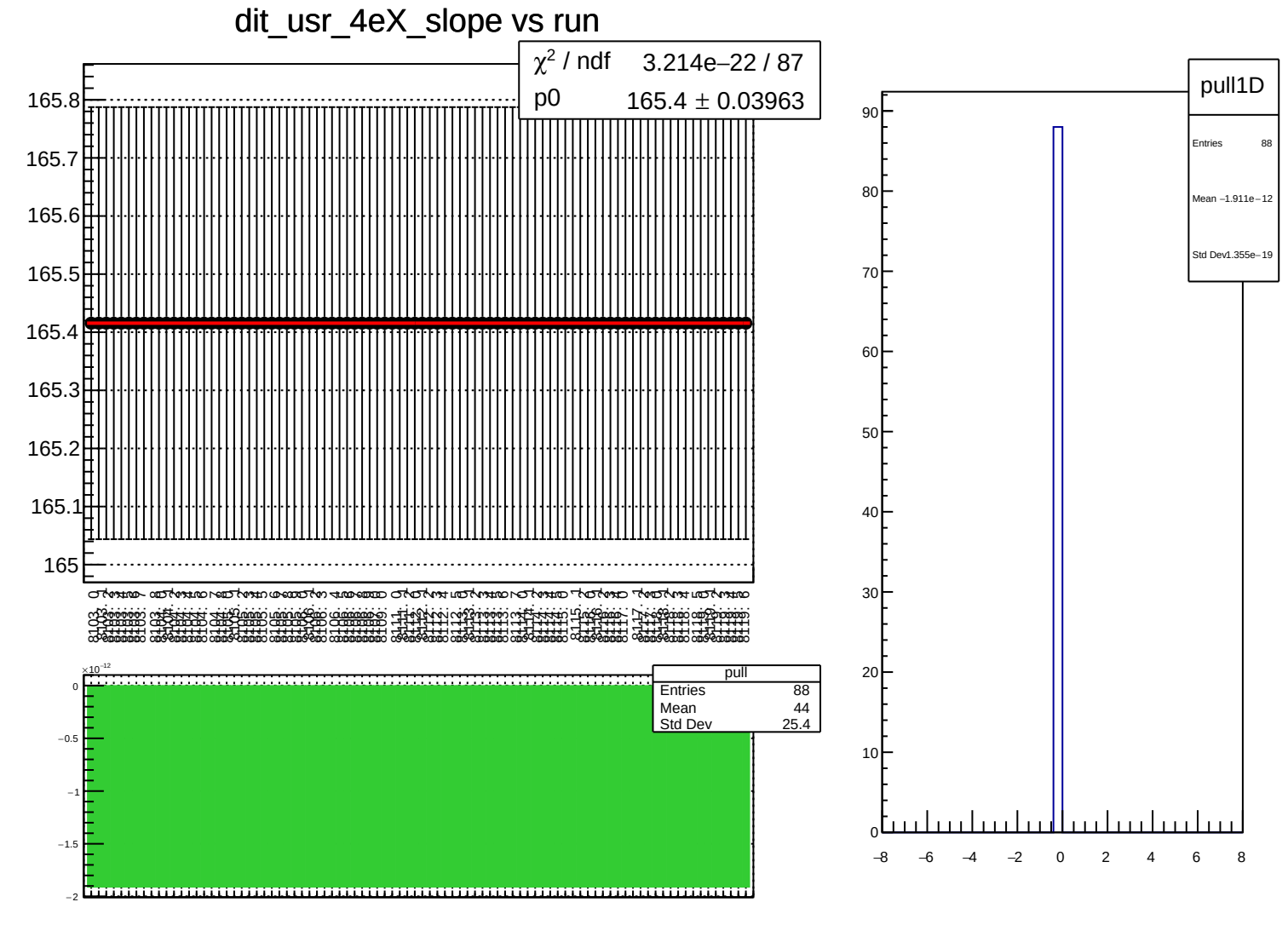

dit_usl_4eX_slope vs run
χ² / ndf 5.31e−27 / 87
p0 −2.09 ± 0.04876
−1.6
−1.8
−2
−2.2
−2.4
−2.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
pull1D
Entries 88
Mean 7.768e−15
Std Dev 3.818e−22

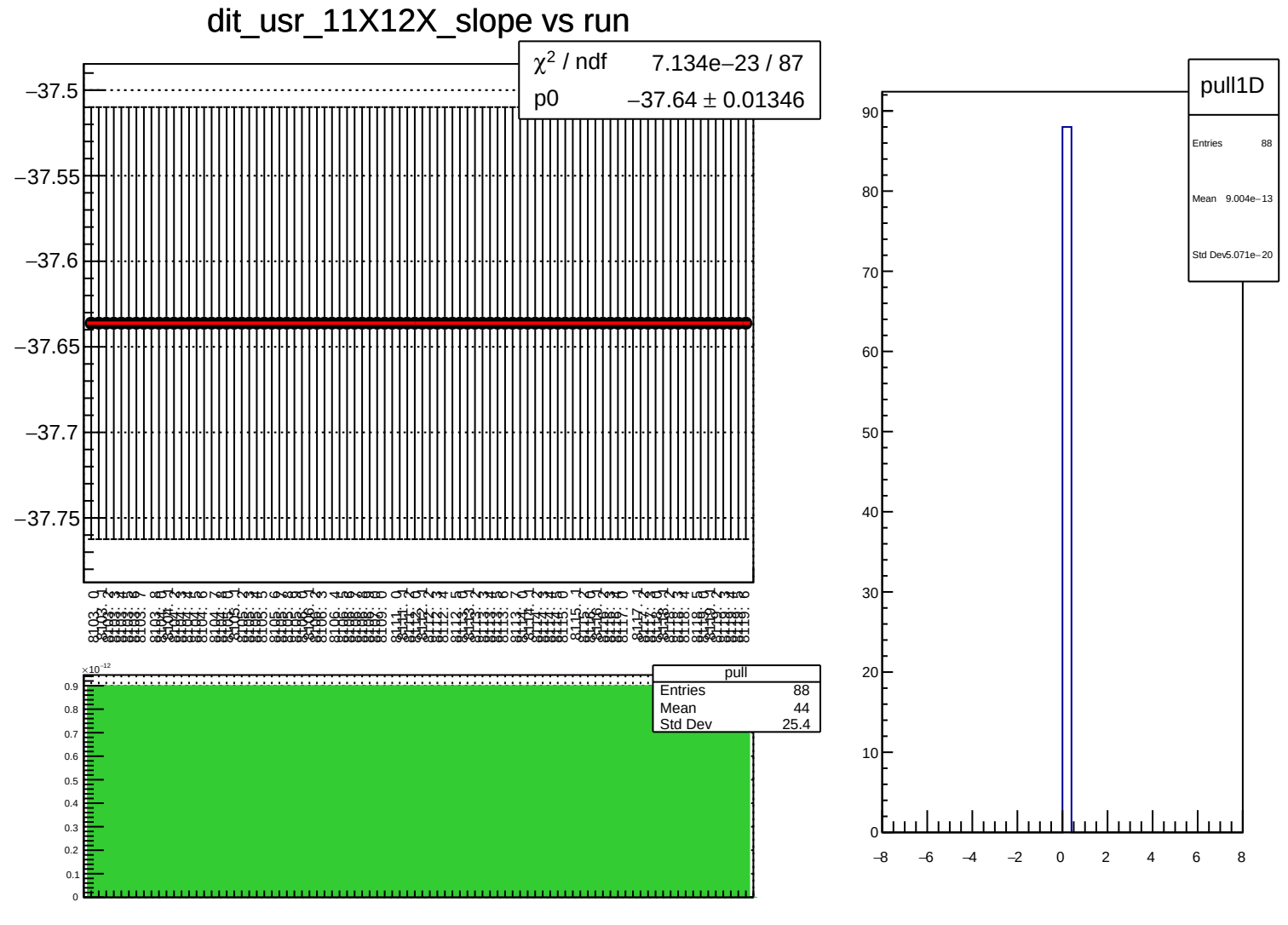

dit_usl_11X12X_slope vs run
χ² / ndf 5.045e−24 / 87
p0 −34.09 ± 0.01582
−33.95
−34
−34.05
−34.1
−34.15
−34.2
−34.25
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 88
Mean −2.394e−13
Std Dev6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

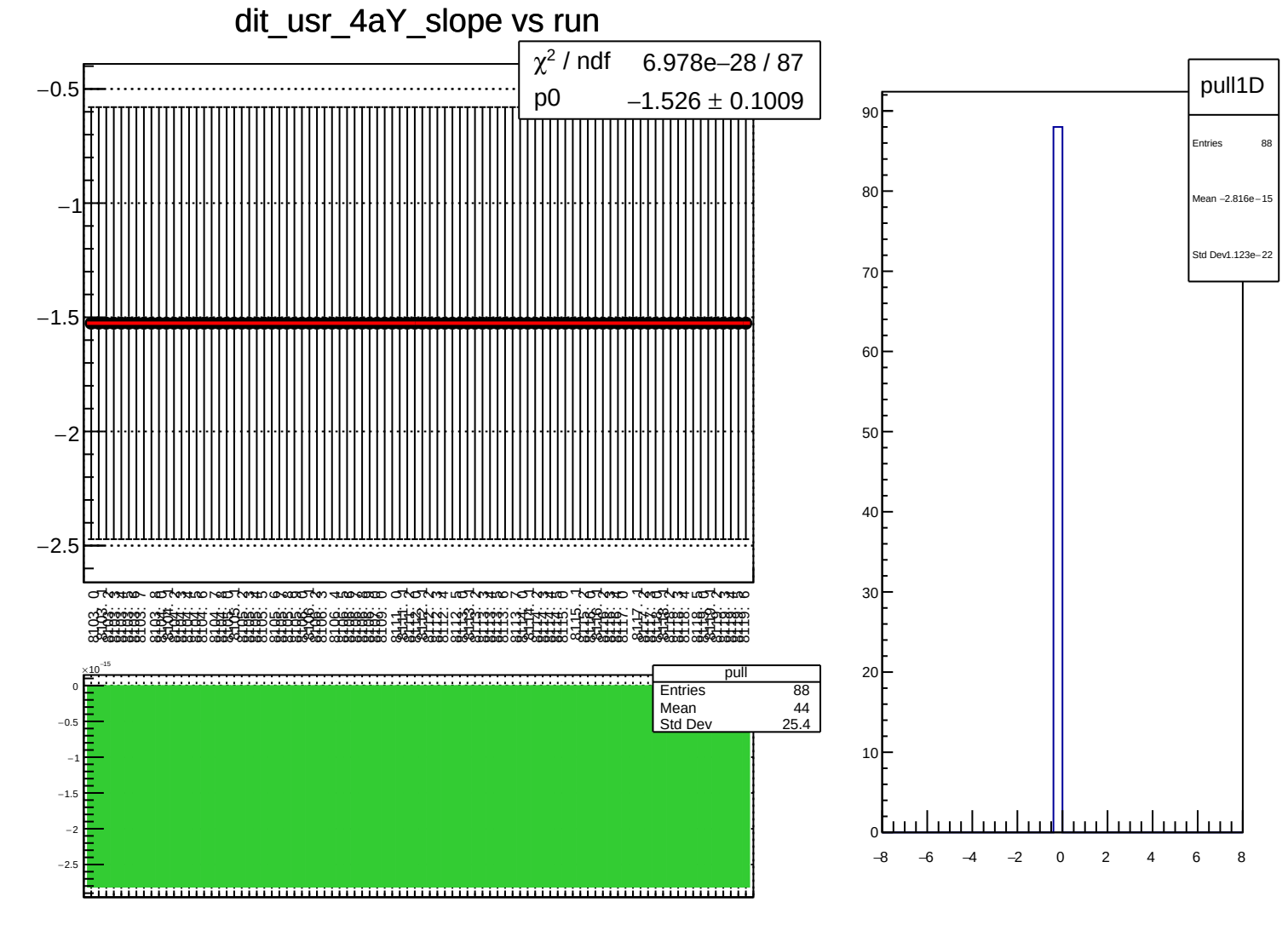

dit_usl_4aY_slope vs run
χ² / ndf 8.313e−28 / 87
p0 −1.012 ± 0.07701
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean −3.074e−15
Std Dev 1.35e−22

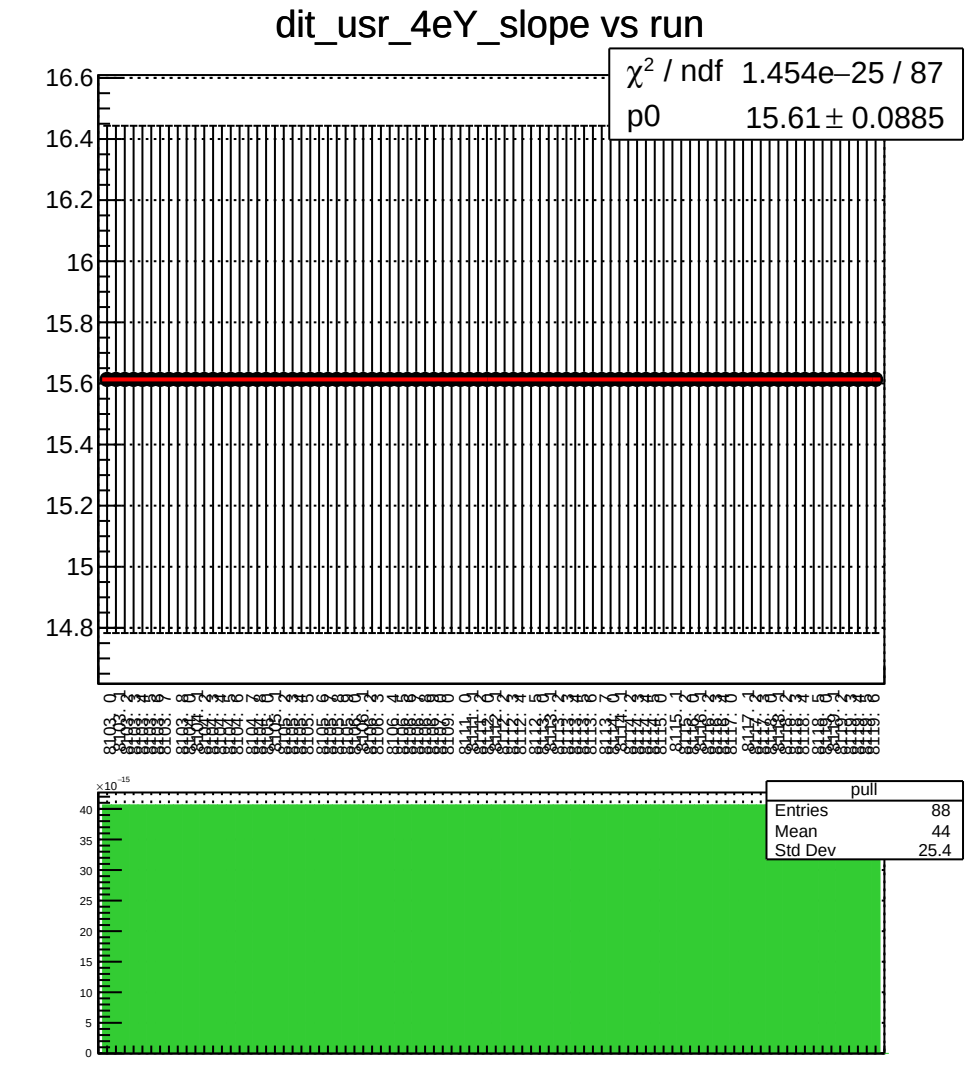

dit_usl_4eY_slope vs run
χ² / ndf 3.142e−27 / 87
p0 17.98 ± 0.06338
18.6
18.4
18.2
18
17.8
17.6
17.4
×10⁻¹⁵
6
5
4
3
2
1
0
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 5.975e−15
Std Dev 1.981e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

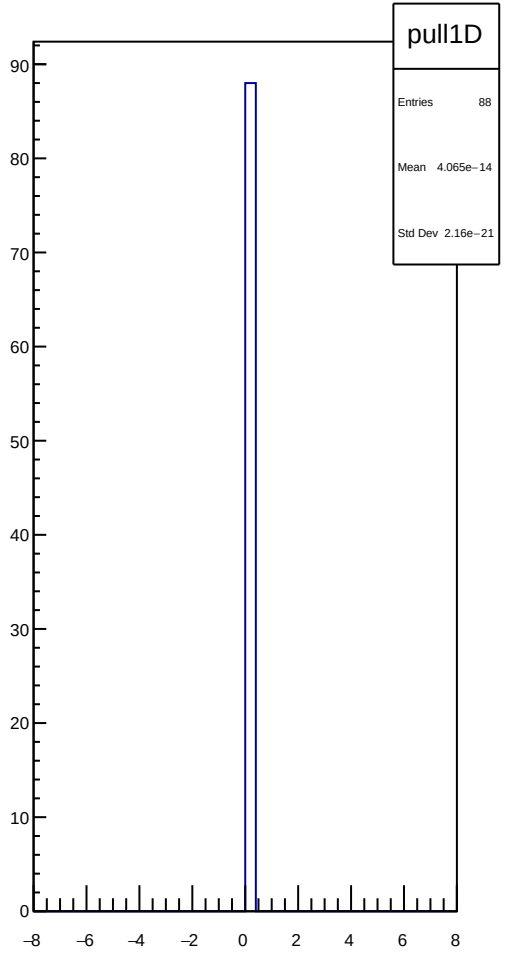

dit_usr_4aX_slope vs run
χ² / ndf 1.481e−24 / 87
p0 −115.2 ± 0.05838
−114.6
−114.8
−115
−115.2
−115.4
−115.6
−115.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 88
Mean 1.297e−13
Std Dev7.946e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

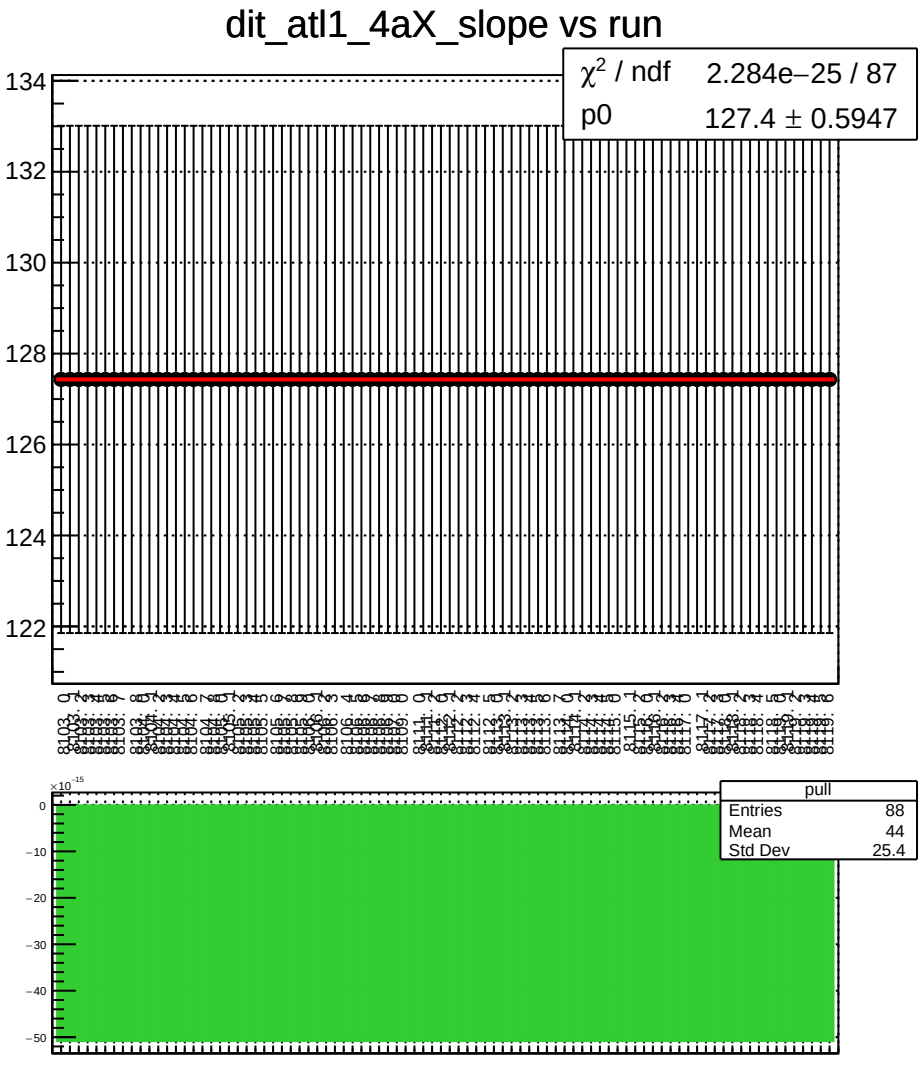

dit_usr_4eX_slope vs run
χ² / ndf 3.214e−22 / 87
p0 165.4 ± 0.03963
165.8
165.7
165.6
165.5
165.4
165.3
165.2
165.1
165
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 88
Mean −1.911e−12
Std Dev1.355e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

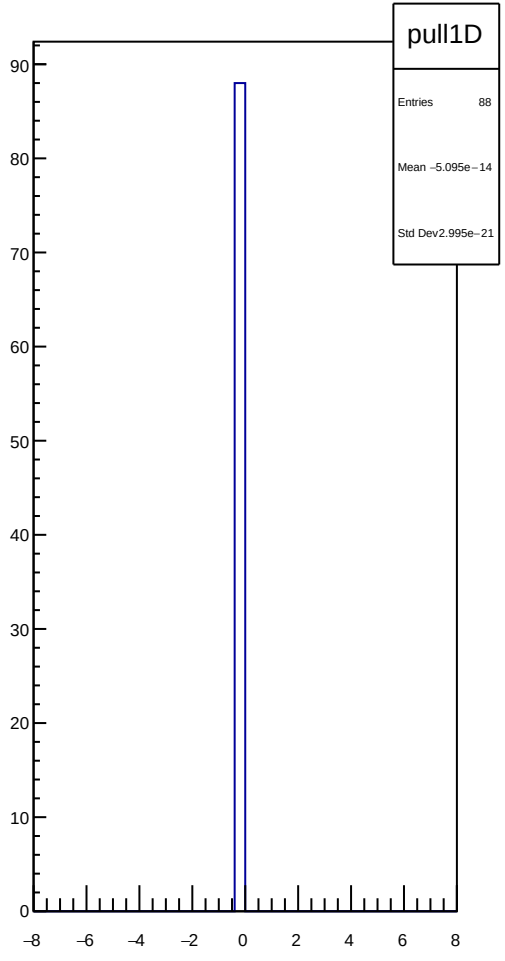

dit_usr_11X12X_slope vs run
χ² / ndf 7.134e−23 / 87
p0 −37.64 ± 0.01346
−37.5
−37.55
−37.6
−37.65
−37.7
−37.75
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
pull1D
Entries 88
Mean 9.004e−13
Std Dev 5.071e−20

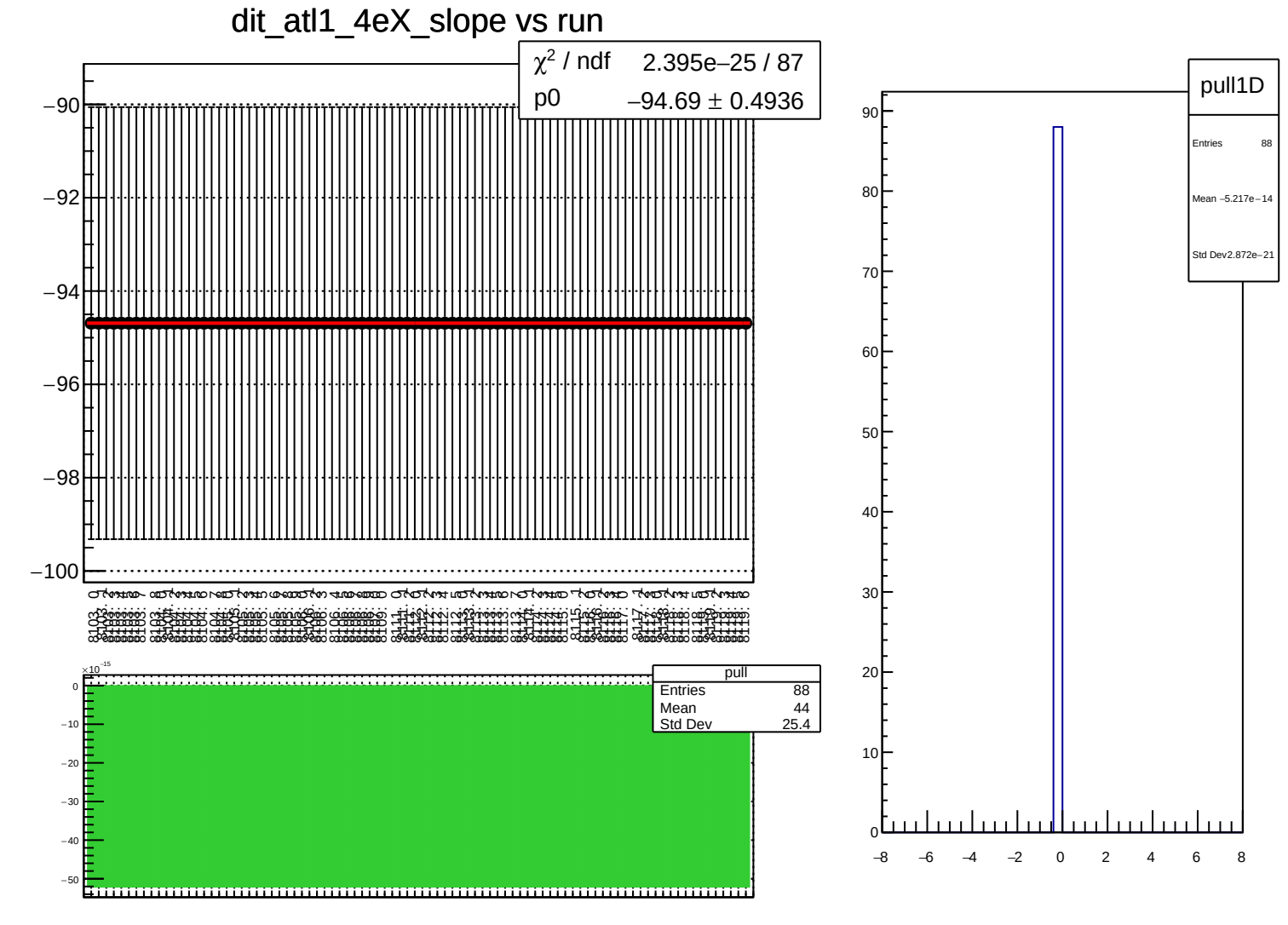

dit_usr_4aY_slope vs run
χ² / ndf 6.978e−28 / 87
p0 −1.526 ± 0.1009
−0.5
−1
−1.5
−2
−2.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
pull1D
Entries 88
Mean −2.816e−15
Std Dev1.123e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

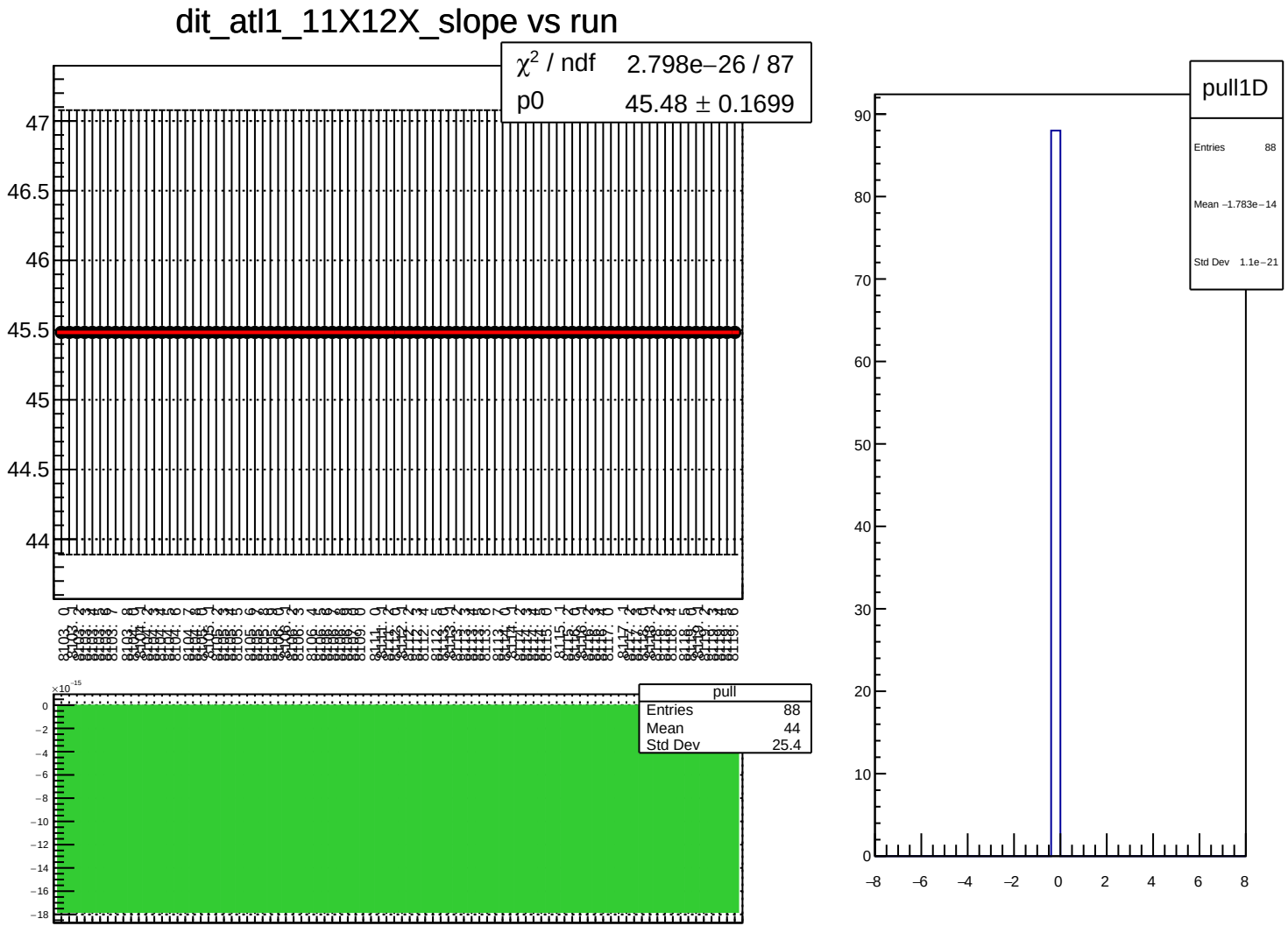

dit_usr_4eY_slope vs run
χ² / ndf 1.454e−25 / 87
p0 15.61 ± 0.0885
16.6
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

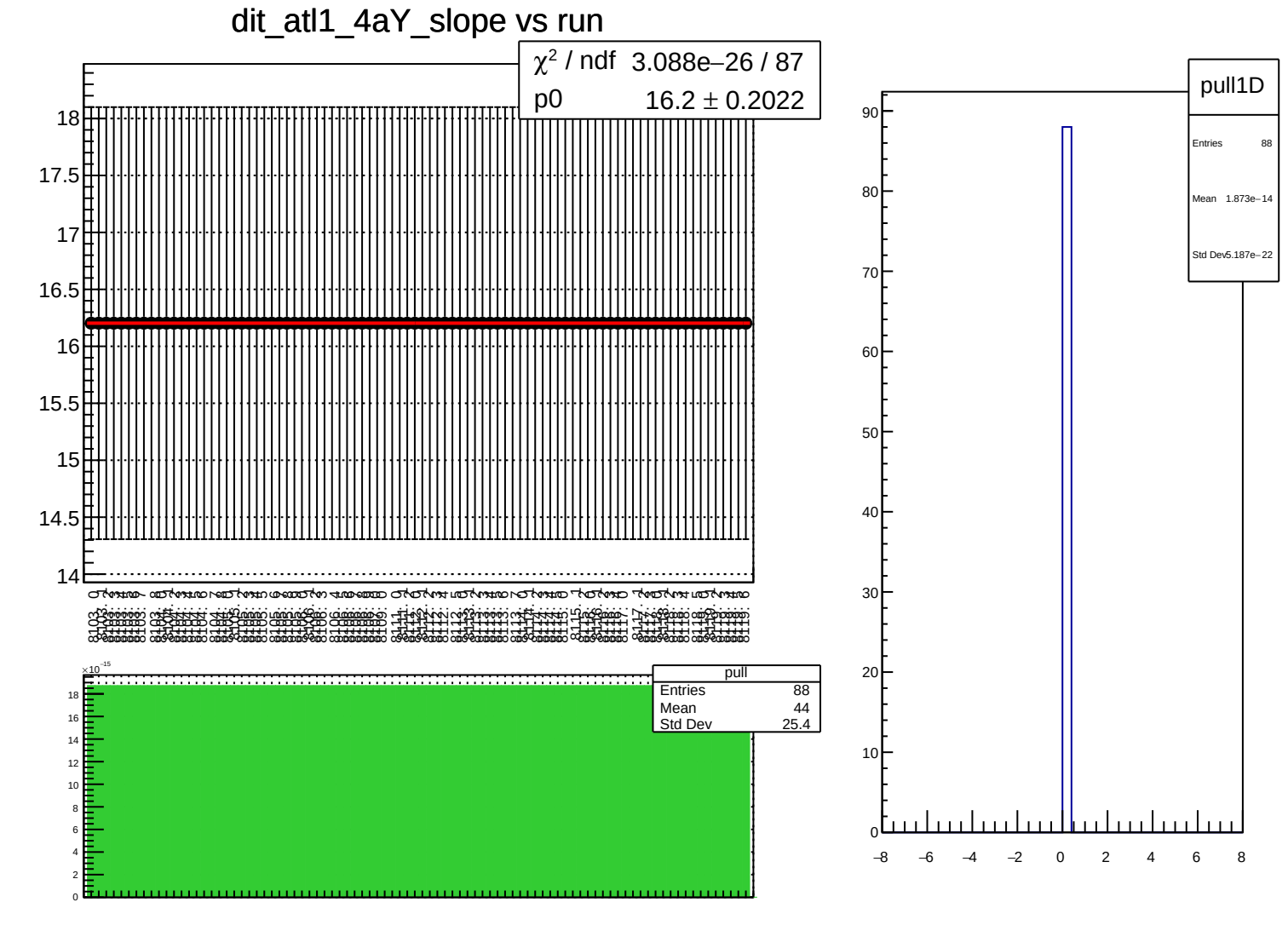

pull1D
Entries 88
Mean 4.065e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

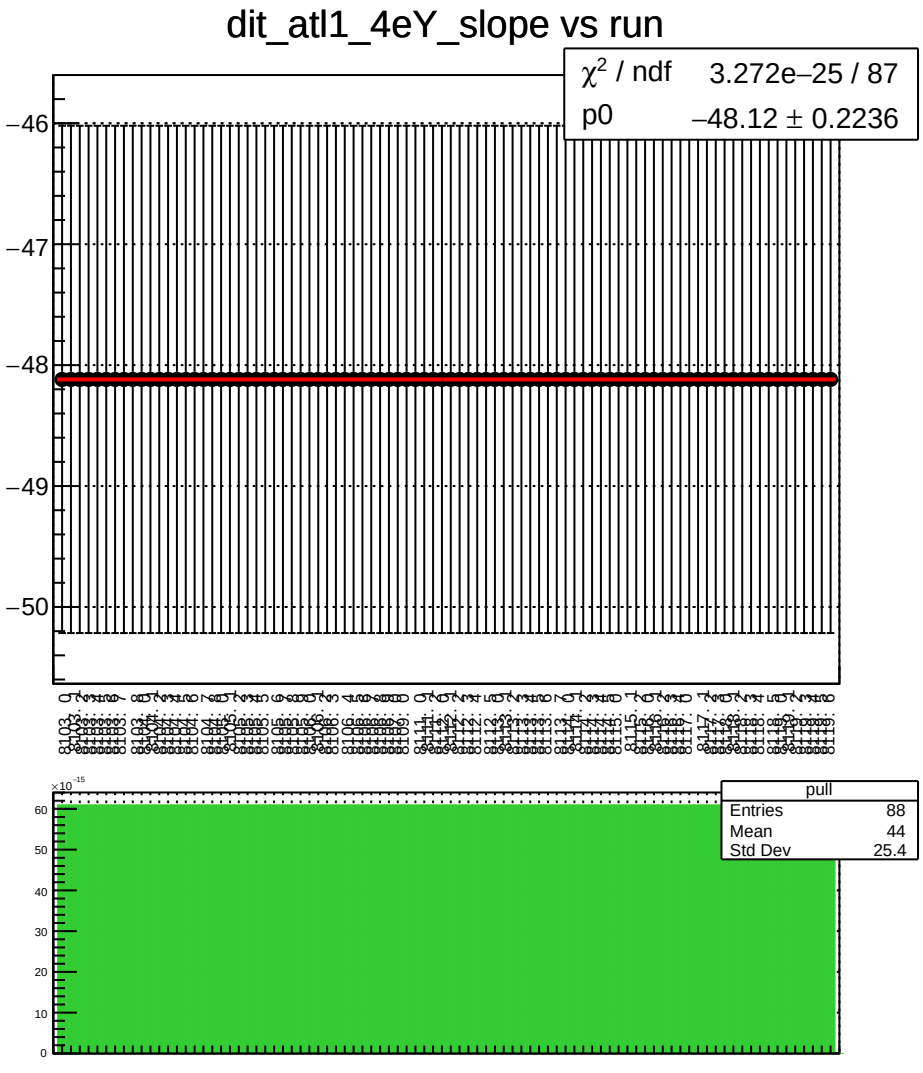

dit_atl1_4aX_slope vs run
χ^2 / ndf 2.284e−25 / 87
p0 127.4 ± 0.5947
134
132
130
128
126
124
122
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50

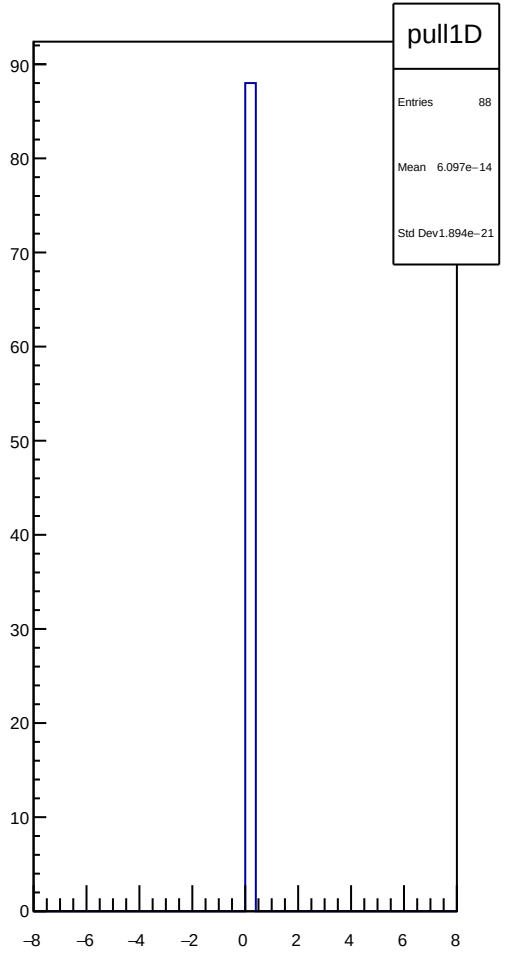

pull1D
Entries 88
Mean −5.095e−14
Std Dev2.995e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

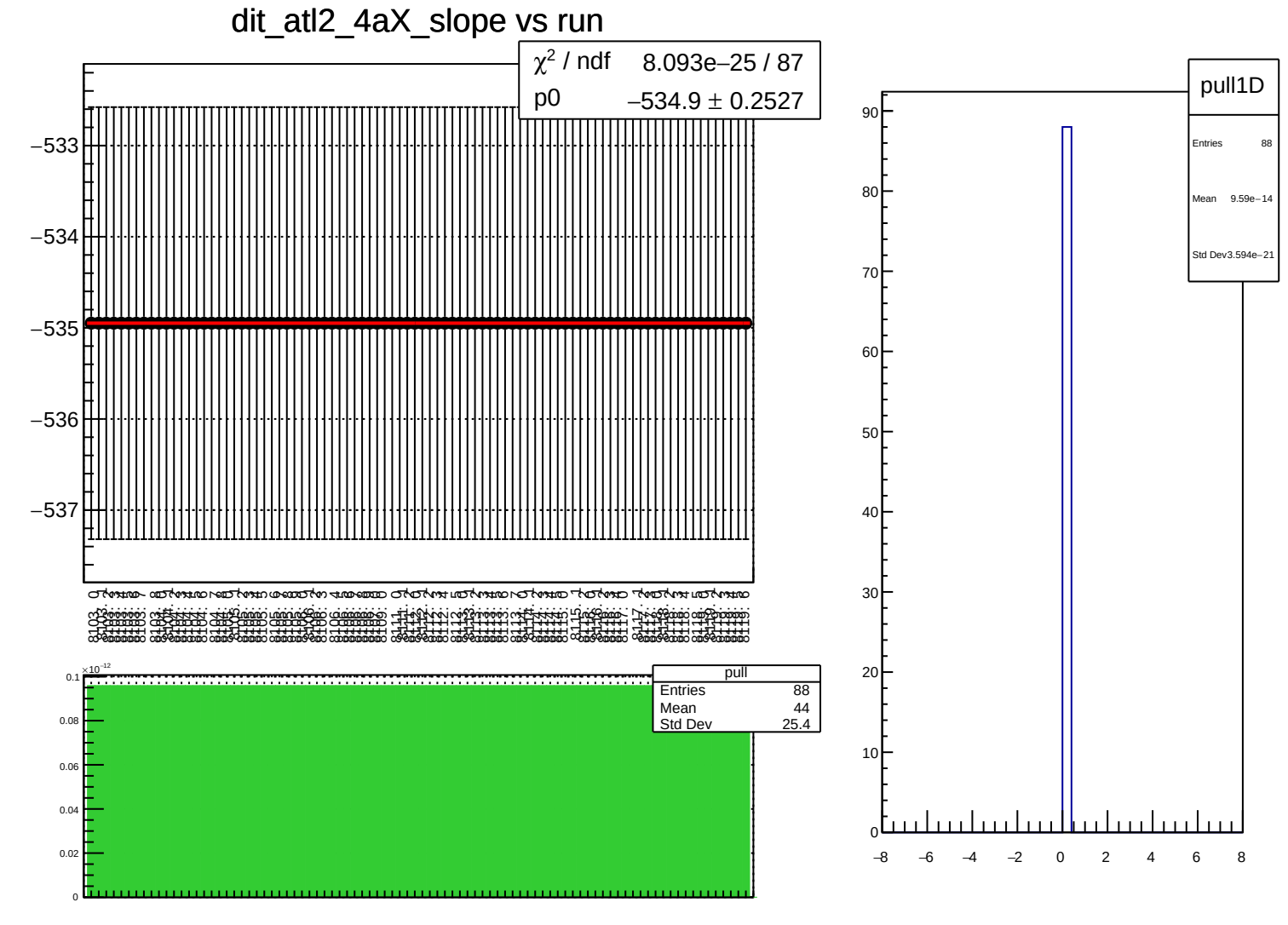

dit_atl1_4eX_slope vs run
χ² / ndf 2.395e−25 / 87
p0 −94.69 ± 0.4936
−90
−92
−94
−96
−98
−100
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 88
Mean −5.217e−14
Std Dev2.872e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

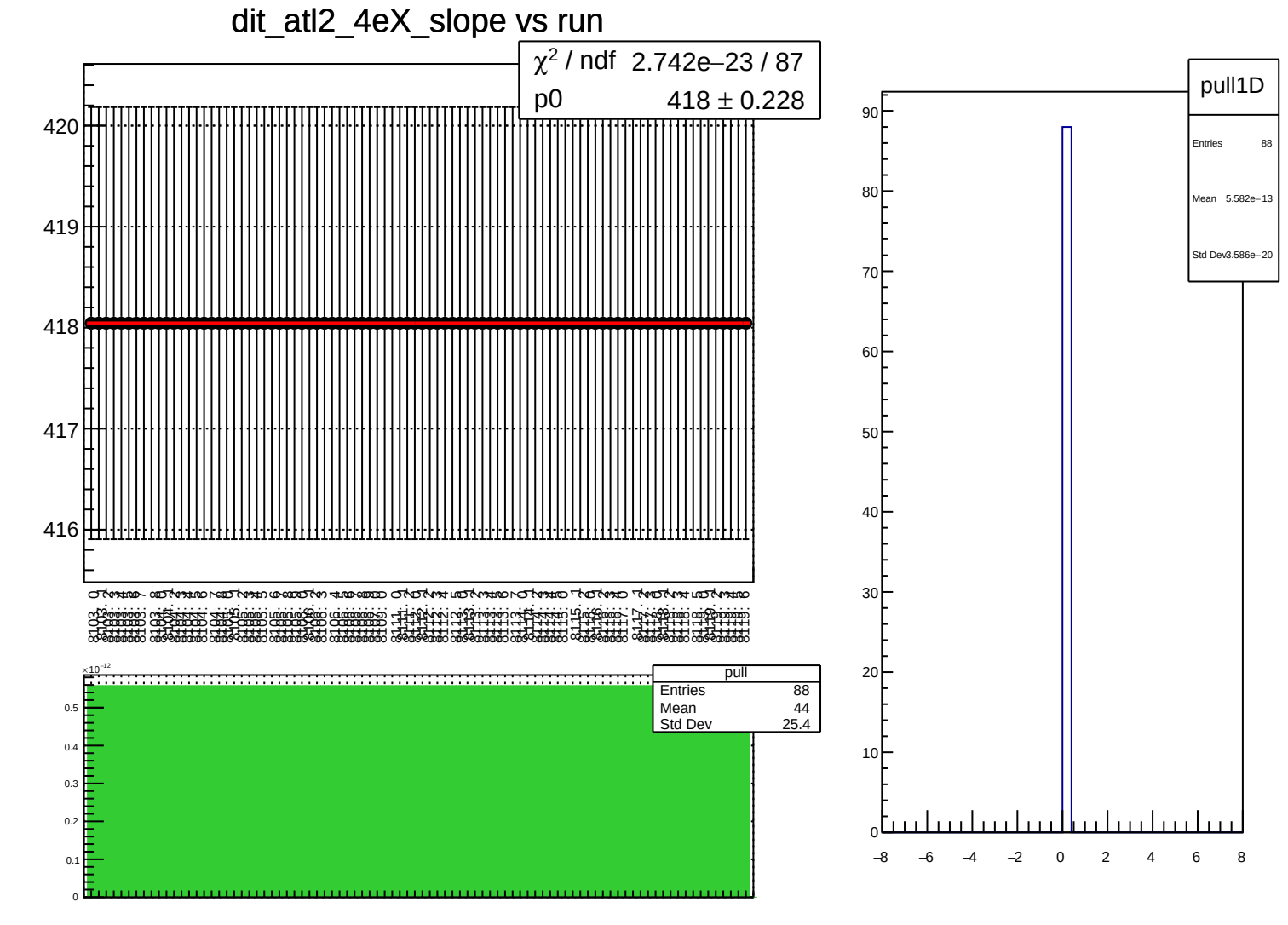

dit_atl1_11X12X_slope vs run
χ² / ndf 2.798e−26 / 87
p0 45.48 ± 0.1699
47
46.5
46
45.5
45
44.5
44
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 88
Mean −1.783e−14
Std Dev 1.1e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

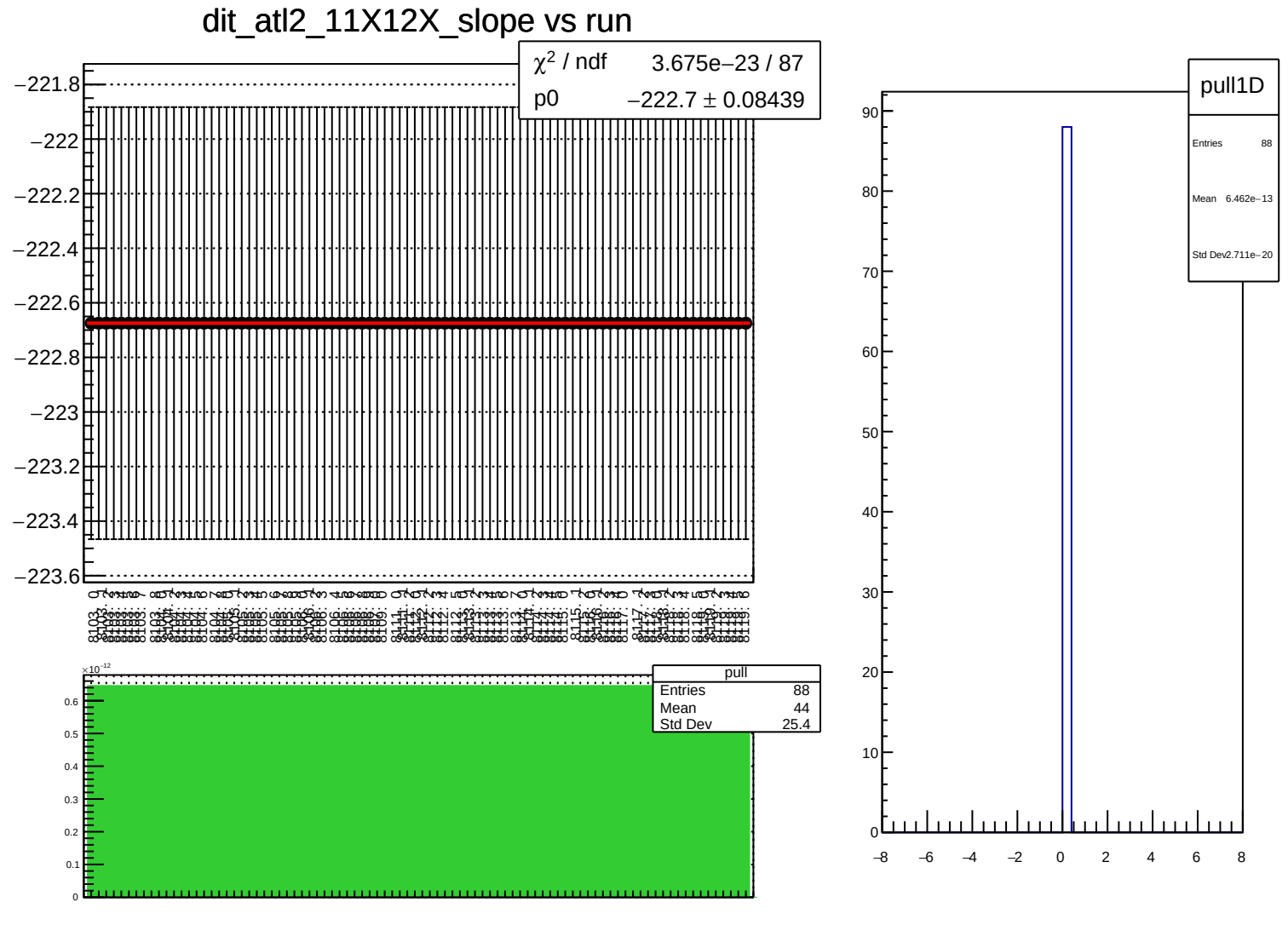

dit_atl1_4aY_slope vs run
χ² / ndf 3.088e−26 / 87
p0 16.2 ± 0.2022
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 1.873e−14
Std Dev 5.187e−22

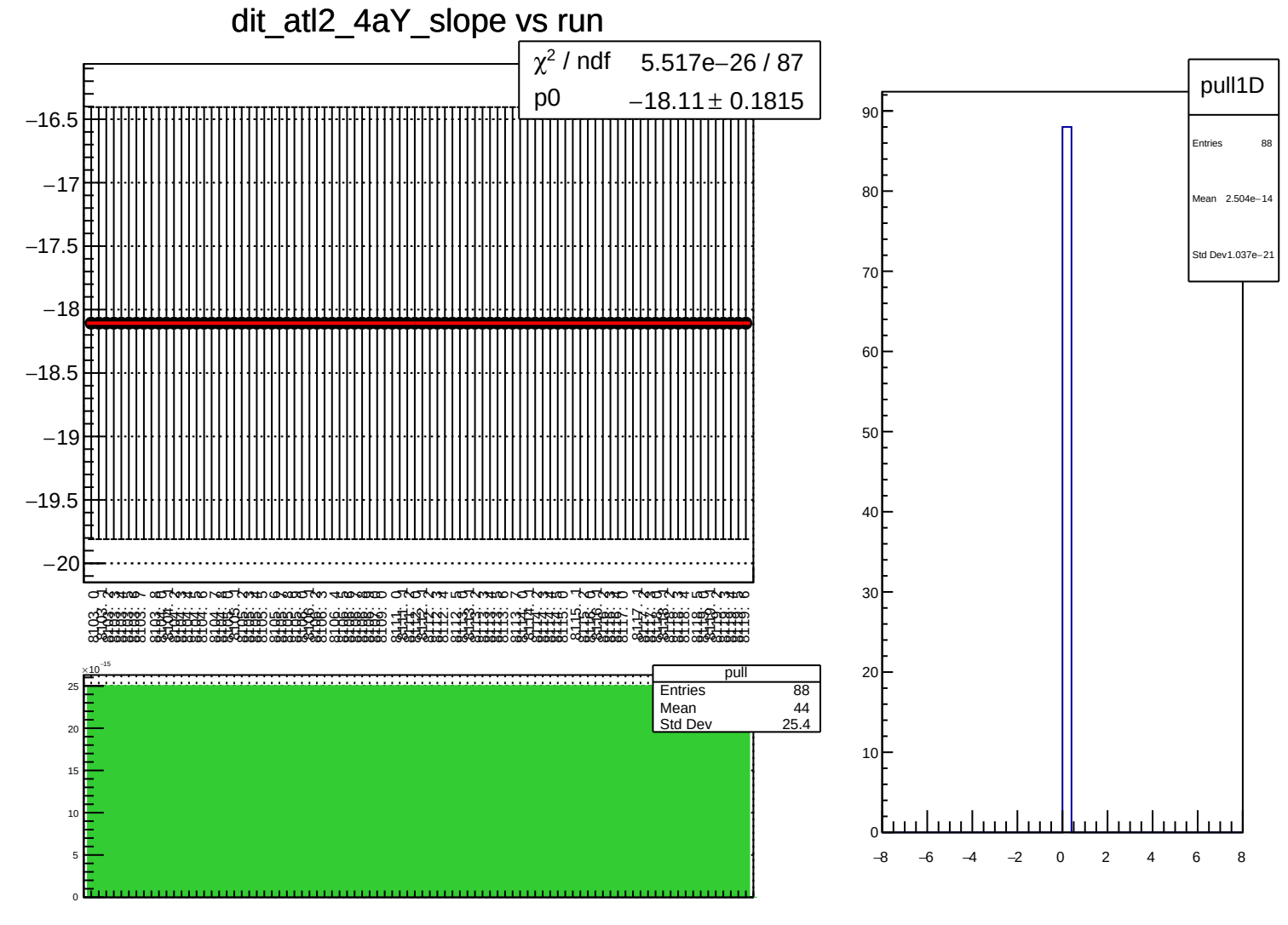

dit_atl1_4eY_slope vs run
χ² / ndf 3.272e−25 / 87
p0 −48.12 ± 0.2236
−46
−47
−48
−49
−50
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
60
50
40
30
20
10
0

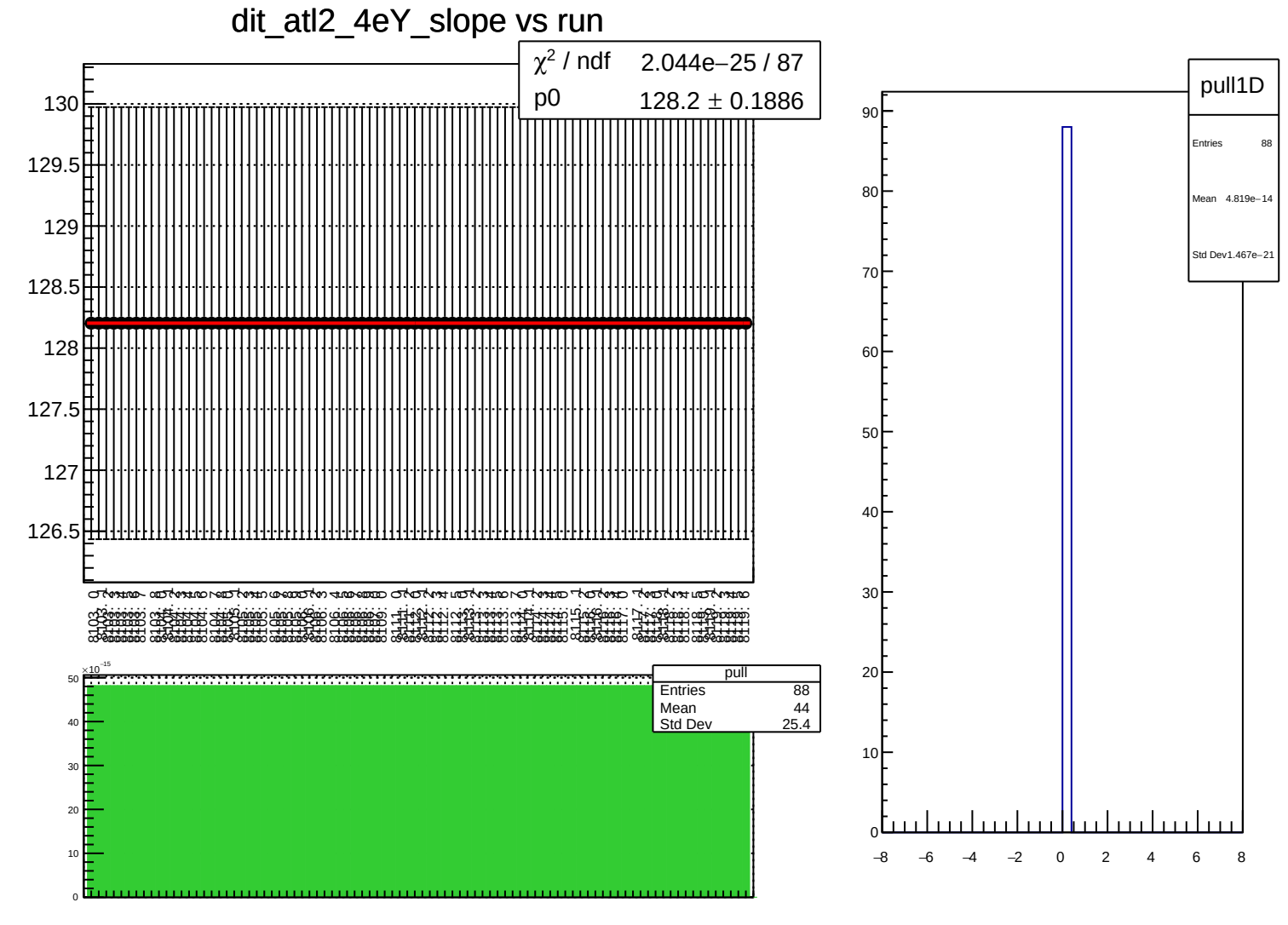

pull1D
Entries 88
Mean 6.097e−14
Std Dev1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

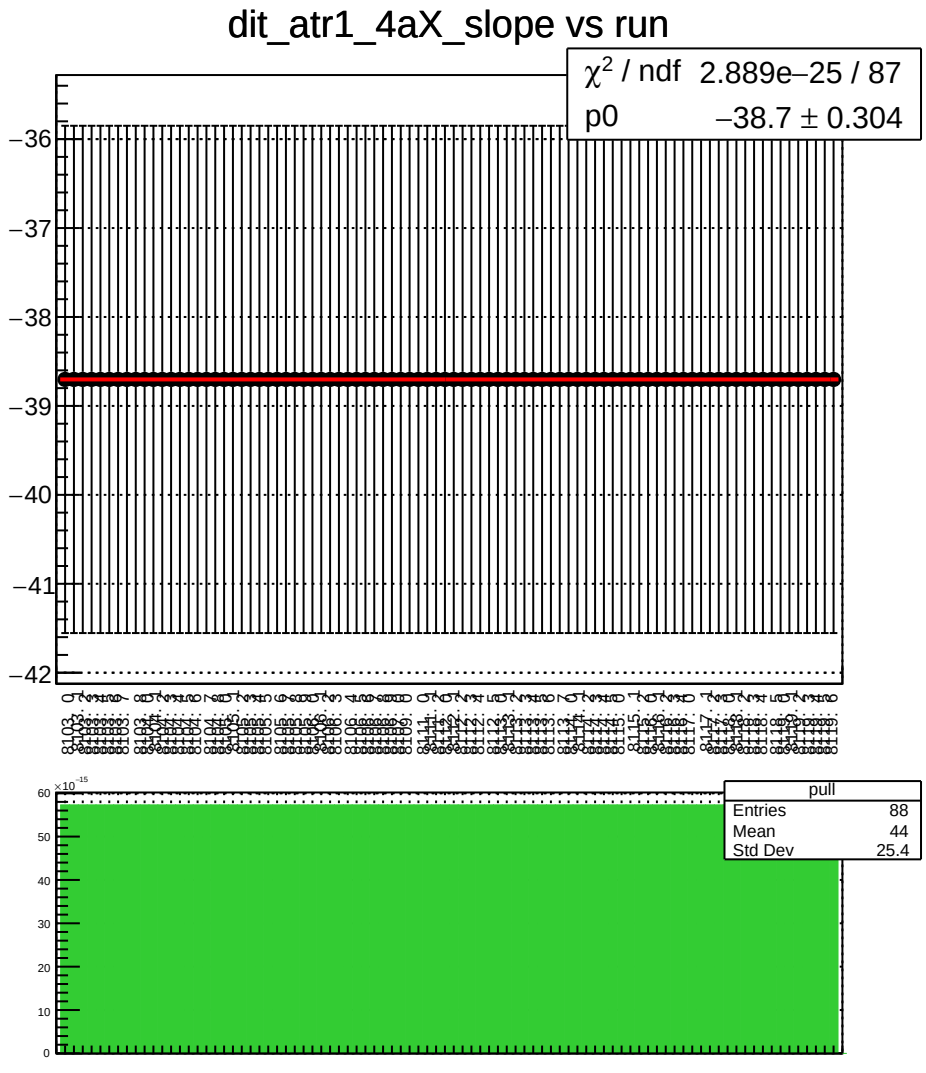

dit_atl2_4aX_slope vs run
χ² / ndf 8.093e−25 / 87
p0 −534.9 ± 0.2527
−533
−534
−535
−536
−537
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 88
Mean 9.59e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

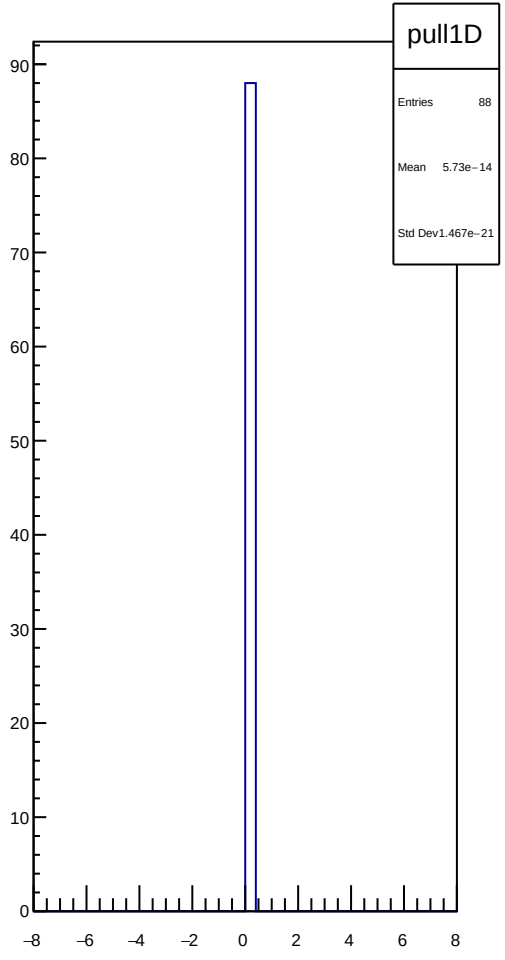

dit_atl2_4eX_slope vs run
χ² / ndf 2.742e−23 / 87
p0 418 ± 0.228
420
419
418
417
416
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 88
Mean 5.582e−13
Std Dev 3.586e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

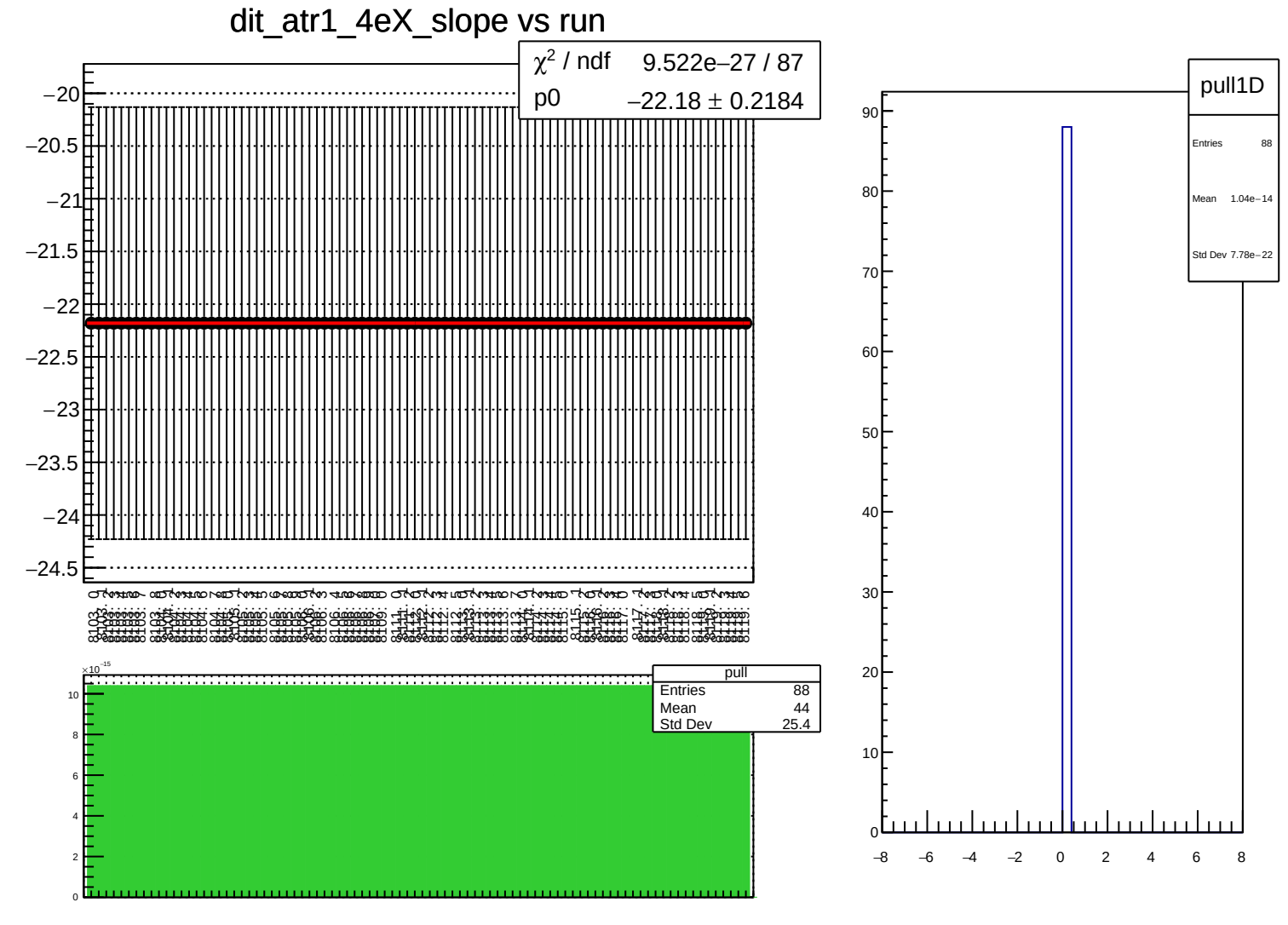

dit_atl2_11X12X_slope vs run
χ² / ndf 3.675e−23 / 87
p0 −222.7 ± 0.08439
−221.8
−222
−222.2
−222.4
−222.6
−222.8
−223
−223.2
−223.4
−223.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 88
Mean 6.462e−13
Std Dev2.711e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

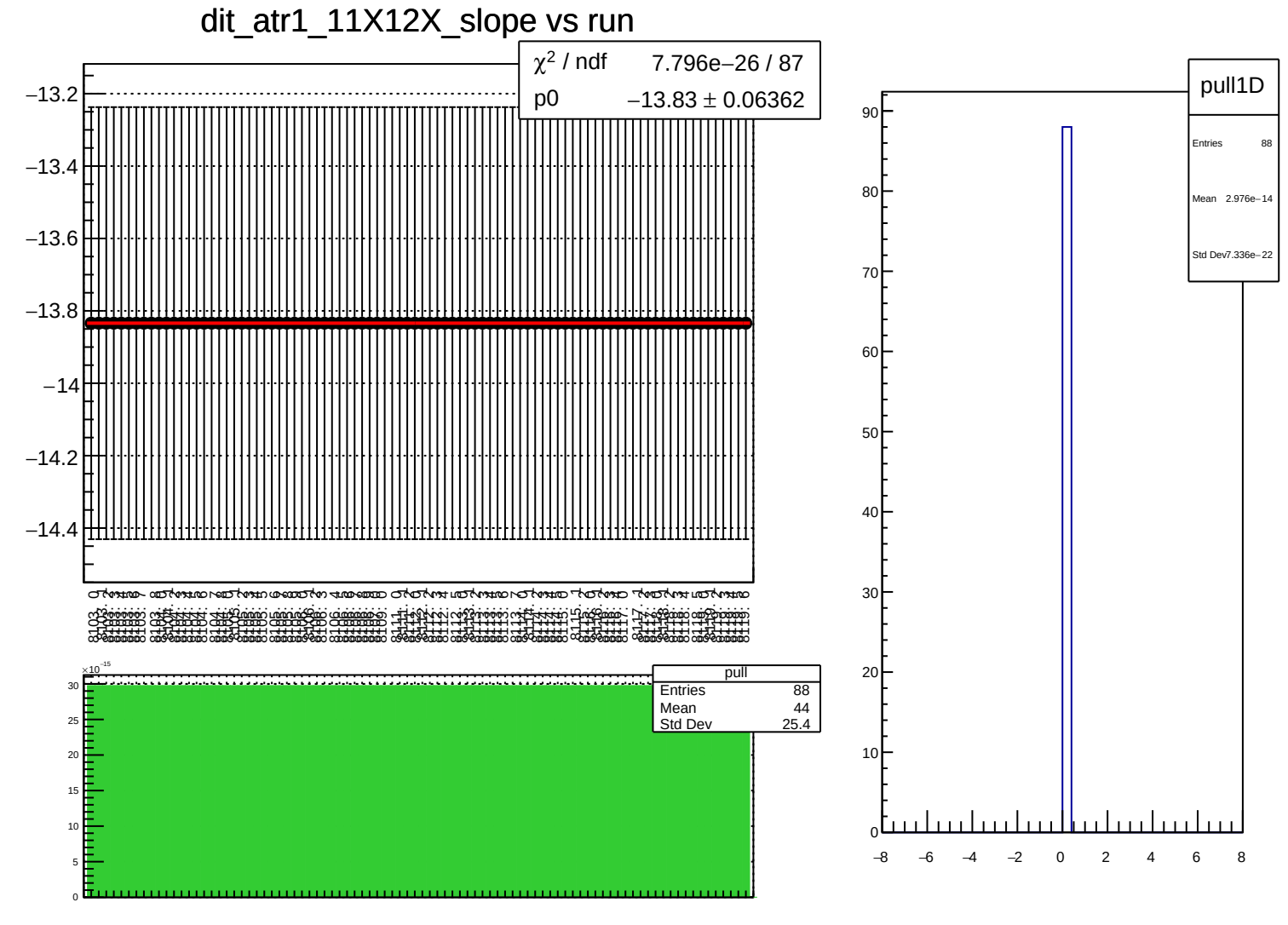

dit_atl2_4aY_slope vs run
χ² / ndf 5.517e−26 / 87
p0 −18.11 ± 0.1815
−16.5
−17
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 88
Mean 2.504e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

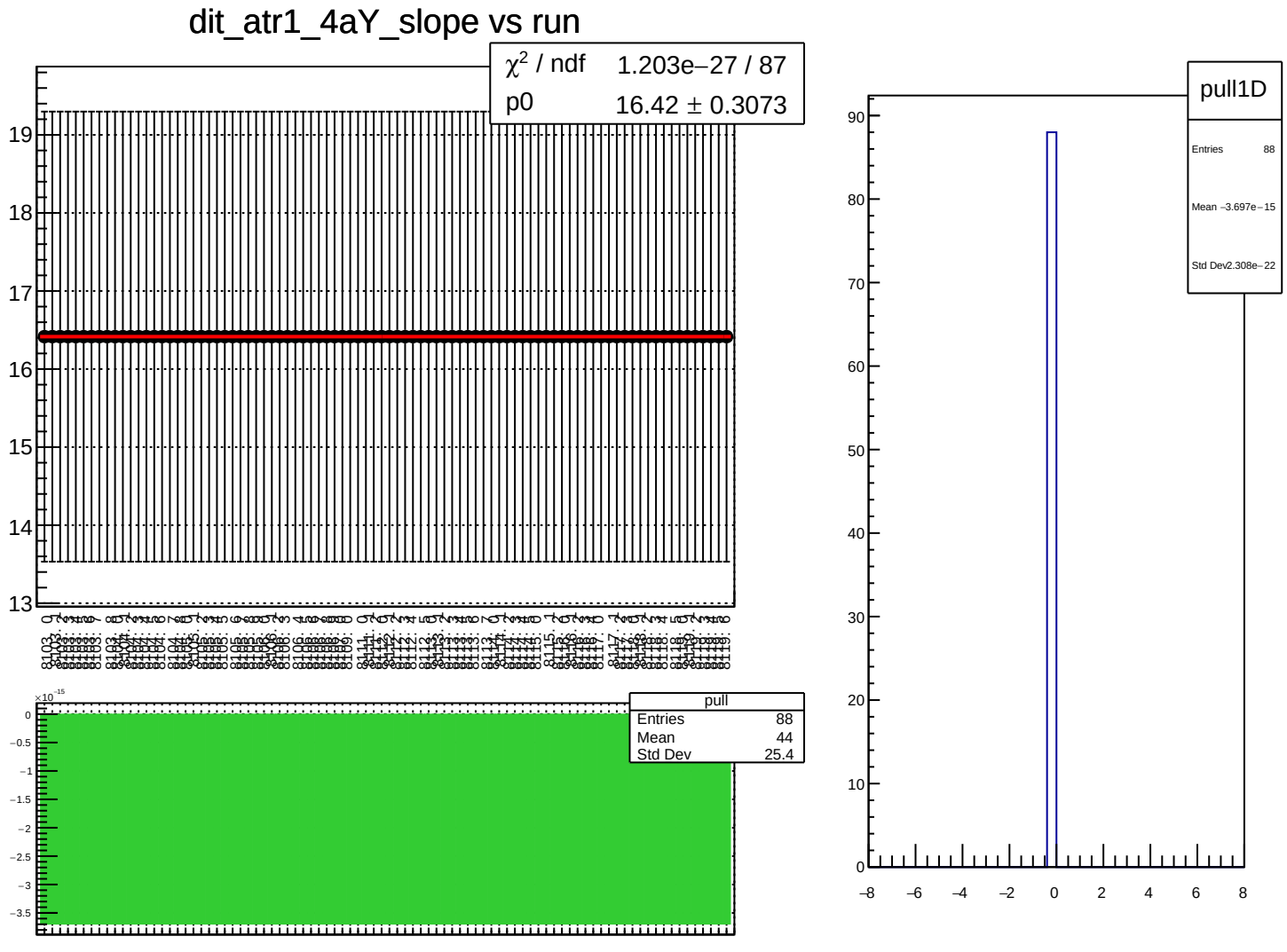

dit_atl2_4eY_slope vs run
χ² / ndf 2.044e−25 / 87
p0 128.2 ± 0.1886
130
129.5
129
128.5
128
127.5
127
126.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 88
Mean 4.819e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

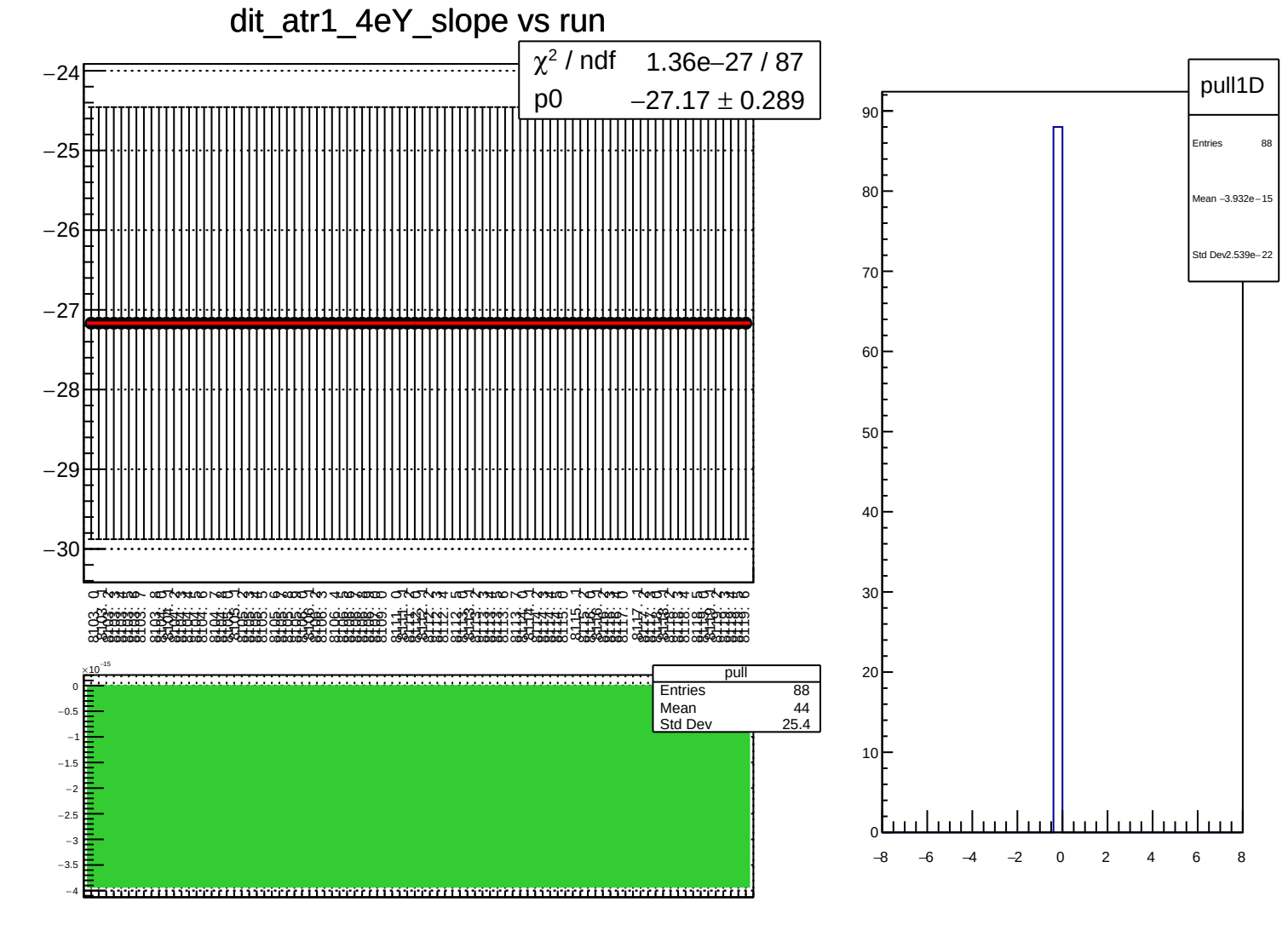

dit_atr1_4aX_slope vs run
χ^2 / ndf 2.889e−25 / 87
p0 −38.7 ± 0.304
−36
−37
−38
−39
−40
−41
−42
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
60
50
40
30
20
10
0

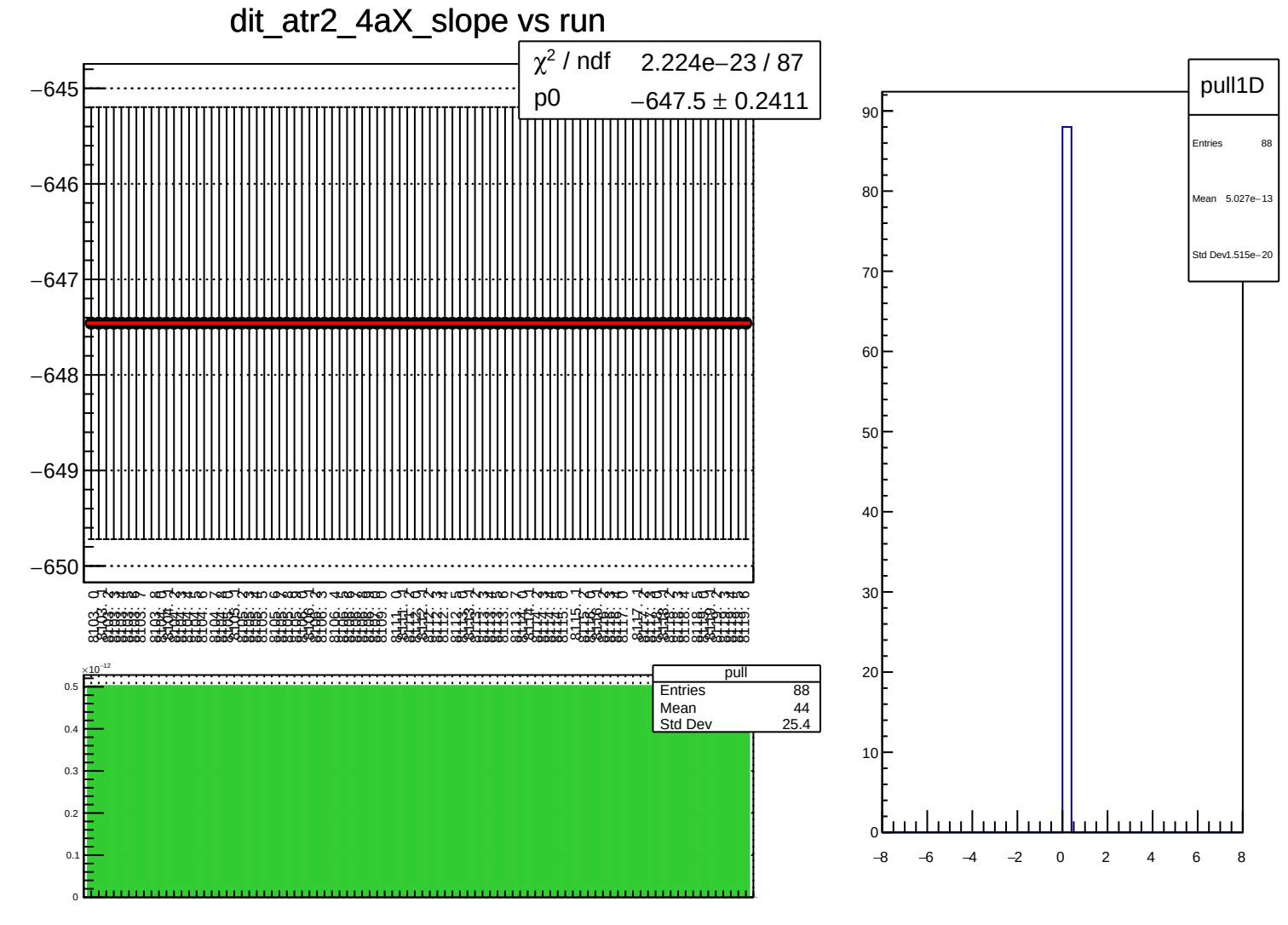

pull1D
Entries 88
Mean 5.73e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

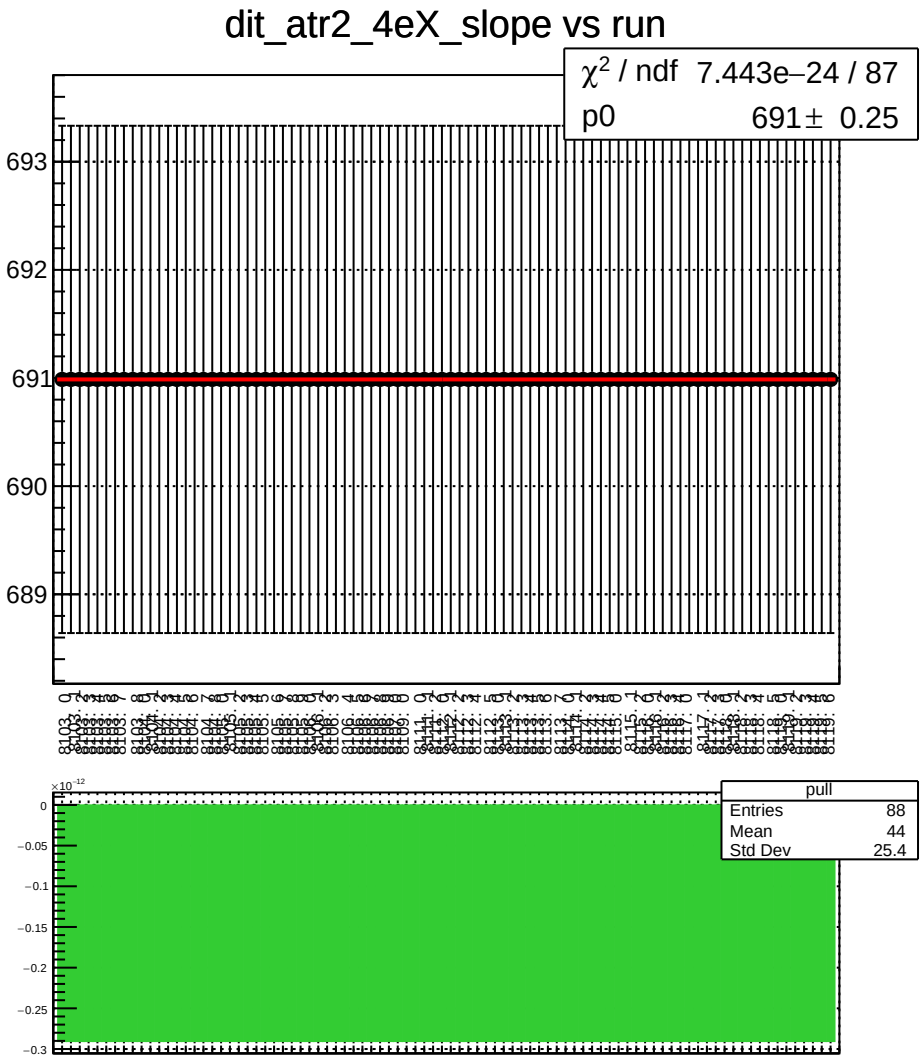

dit_atr1_4eX_slope vs run
χ² / ndf 9.522e−27 / 87
p0 −22.18 ± 0.2184
−20
−20.5
−21
−21.5
−22
−22.5
−23
−23.5
−24
−24.5
×10⁻¹⁵
10
8
6
4
2
0
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 1.04e−14
Std Dev 7.78e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

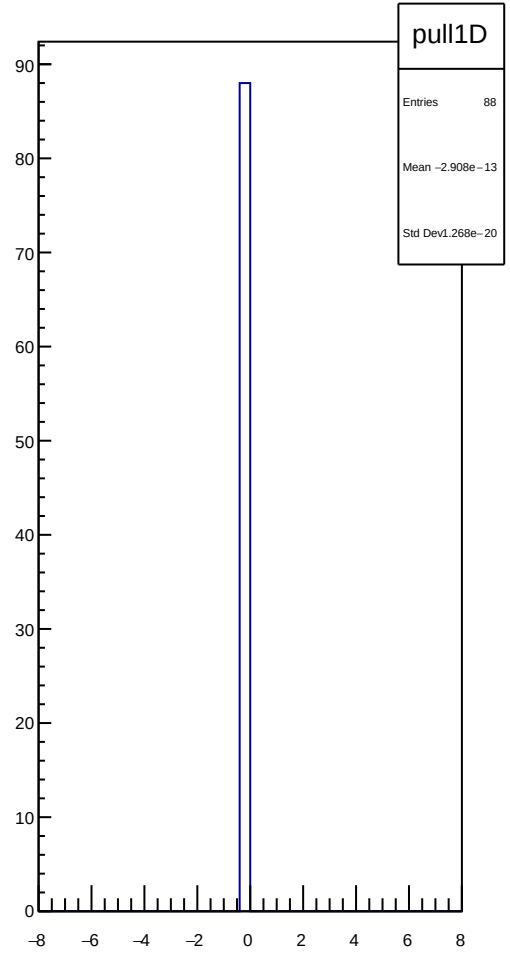

dit_atr1_11X12X_slope vs run
χ² / ndf 7.796e−26 / 87
p0 −13.83 ± 0.06362
−13.2
−13.4
−13.6
−13.8
−14
−14.2
−14.4
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 88
Mean 2.976e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

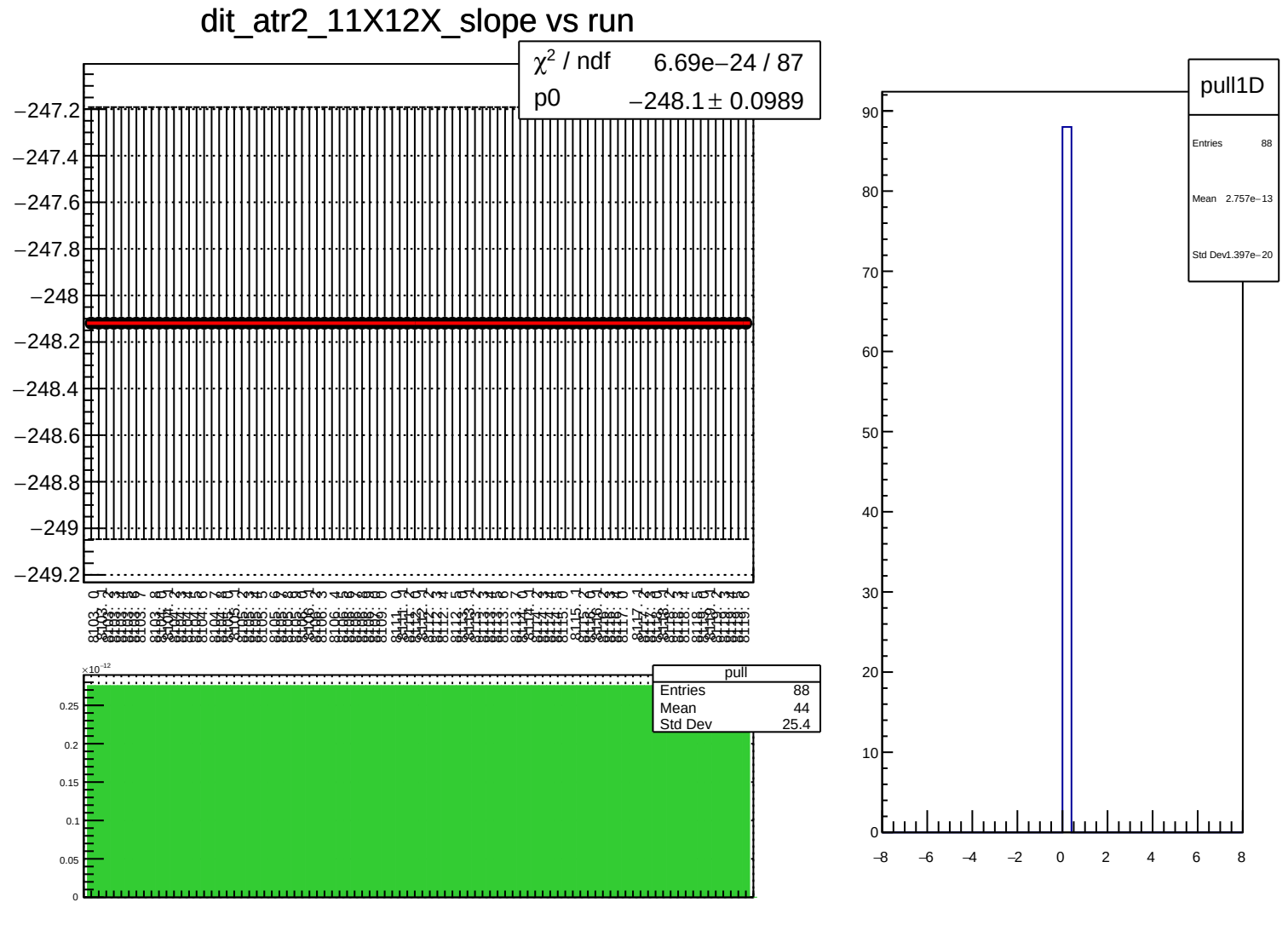

dit_atr1_4aY_slope vs run
χ² / ndf 1.203e−27 / 87
p0 16.42 ± 0.3073
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean −3.697e−15
Std Dev2.308e−22

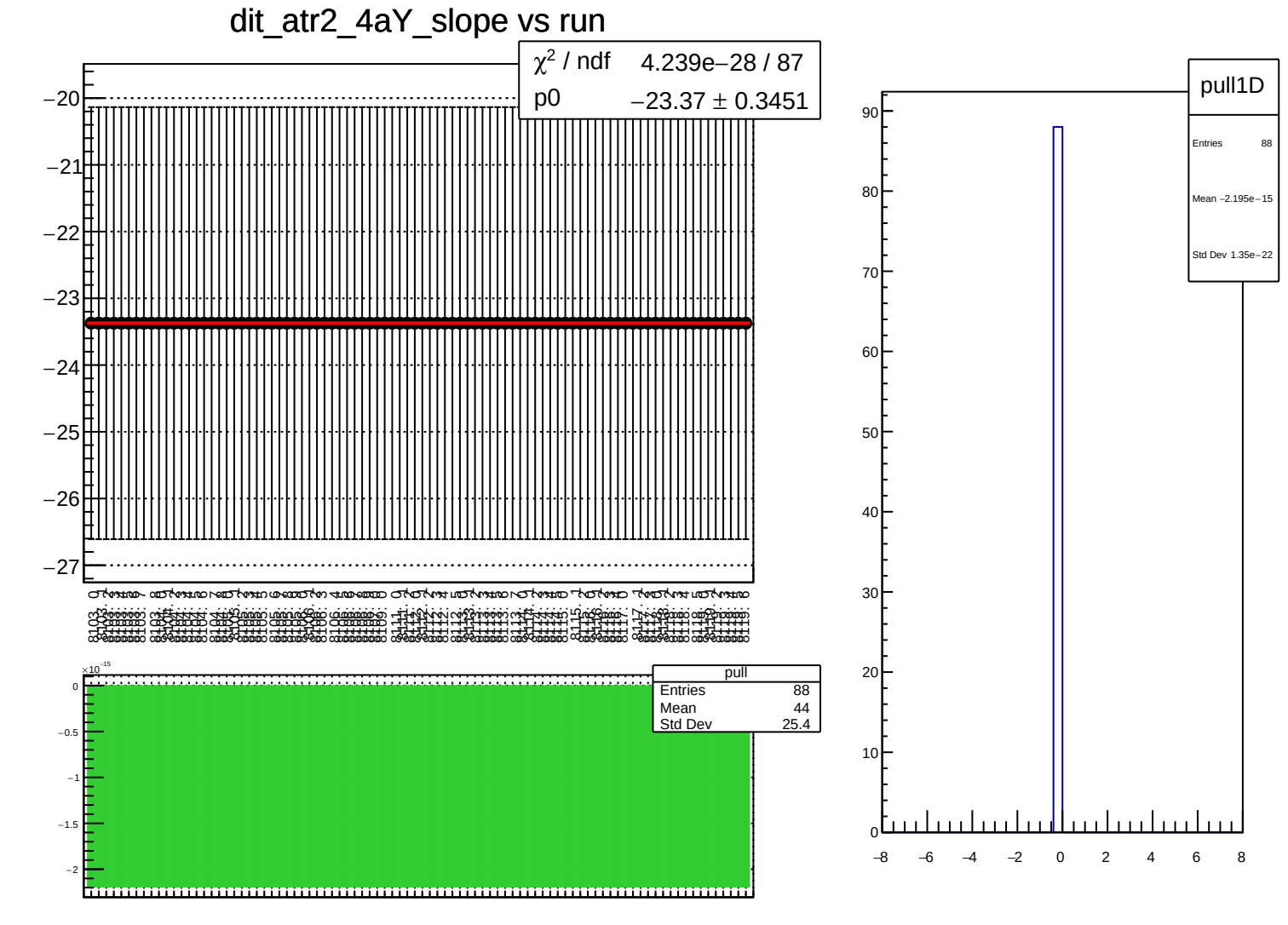

dit_atr1_4eY_slope vs run
χ² / ndf 1.36e−27 / 87
p0 −27.17 ± 0.289
−24
−25
−26
−27
−28
−29
−30
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 88
Mean −3.932e−15
Std Dev 2.539e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

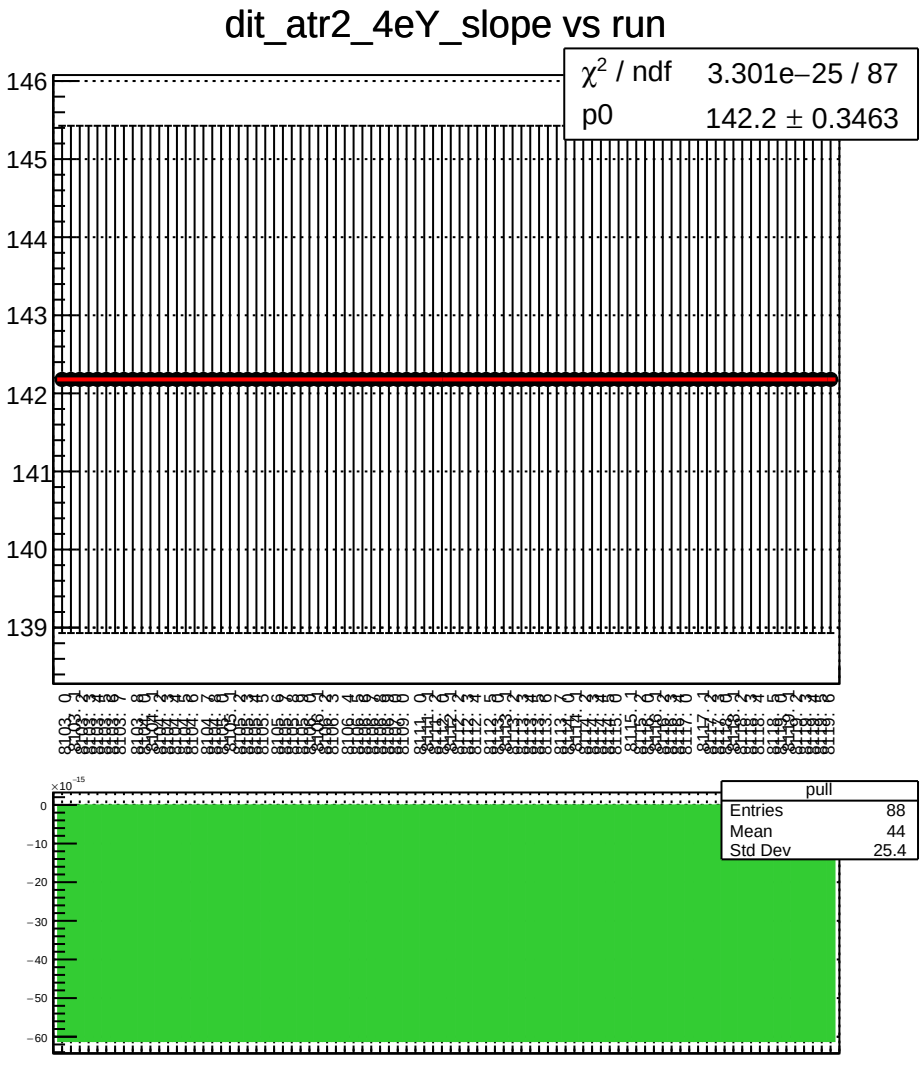

dit_atr2_4aX_slope vs run
χ² / ndf 2.224e−23 / 87
p0 −647.5 ± 0.2411
−645
−646
−647
−648
−649
−650
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 88
Mean 5.027e−13
Std Dev1.515e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

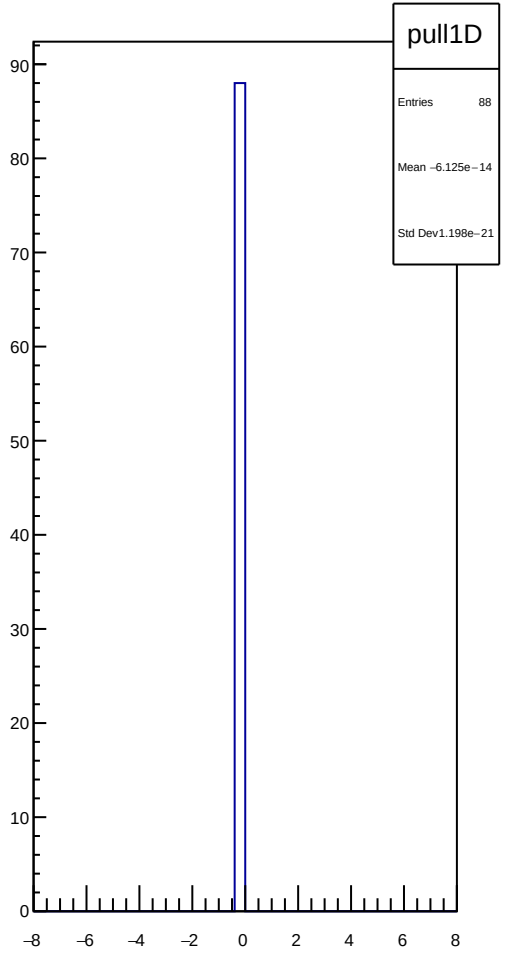

dit_atr2_4eX_slope vs run
χ² / ndf 7.443e−24 / 87
p0 691± 0.25
693
692
691
690
689
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

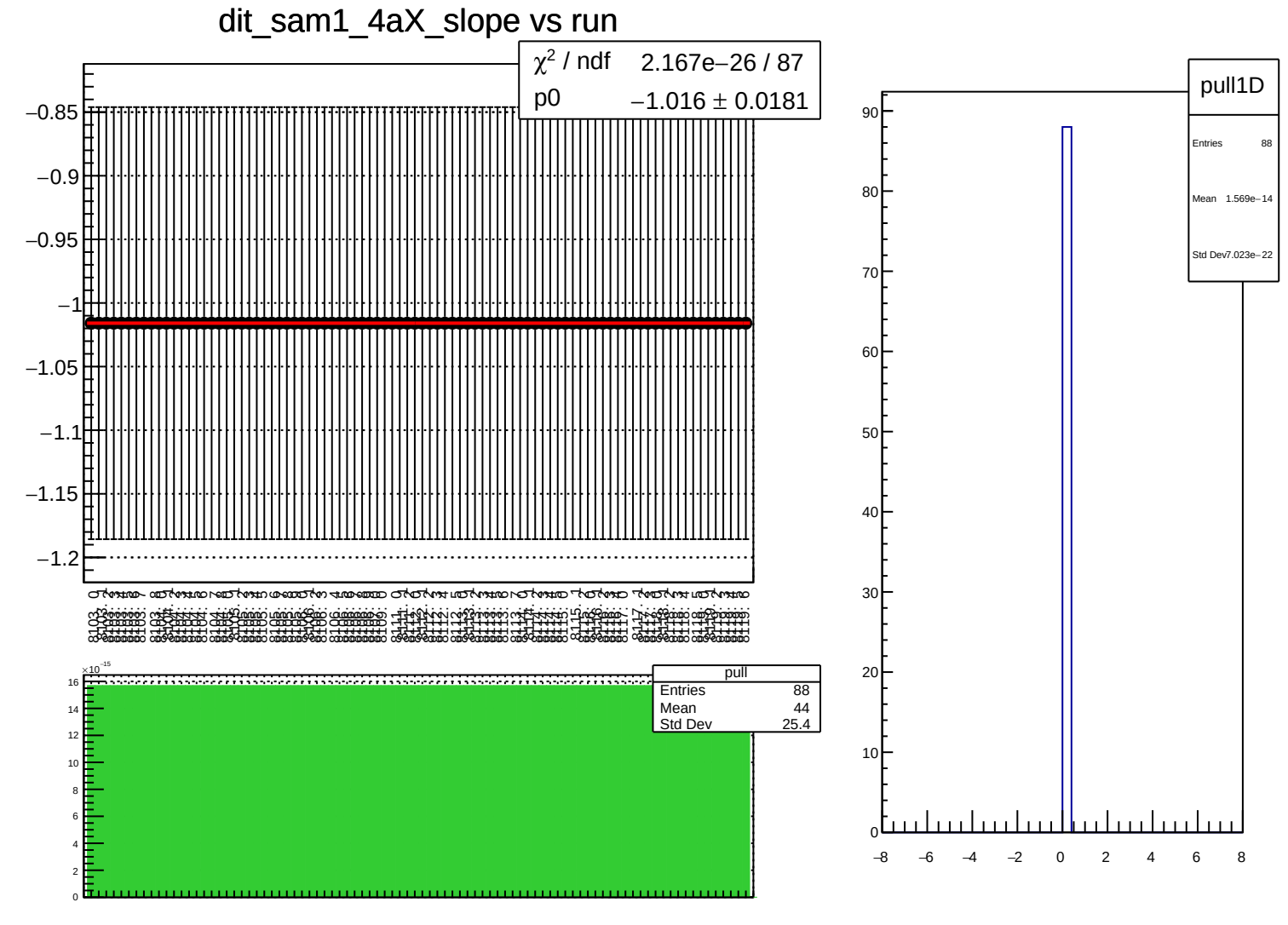

pull1D
Entries 88
Mean −2.908e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

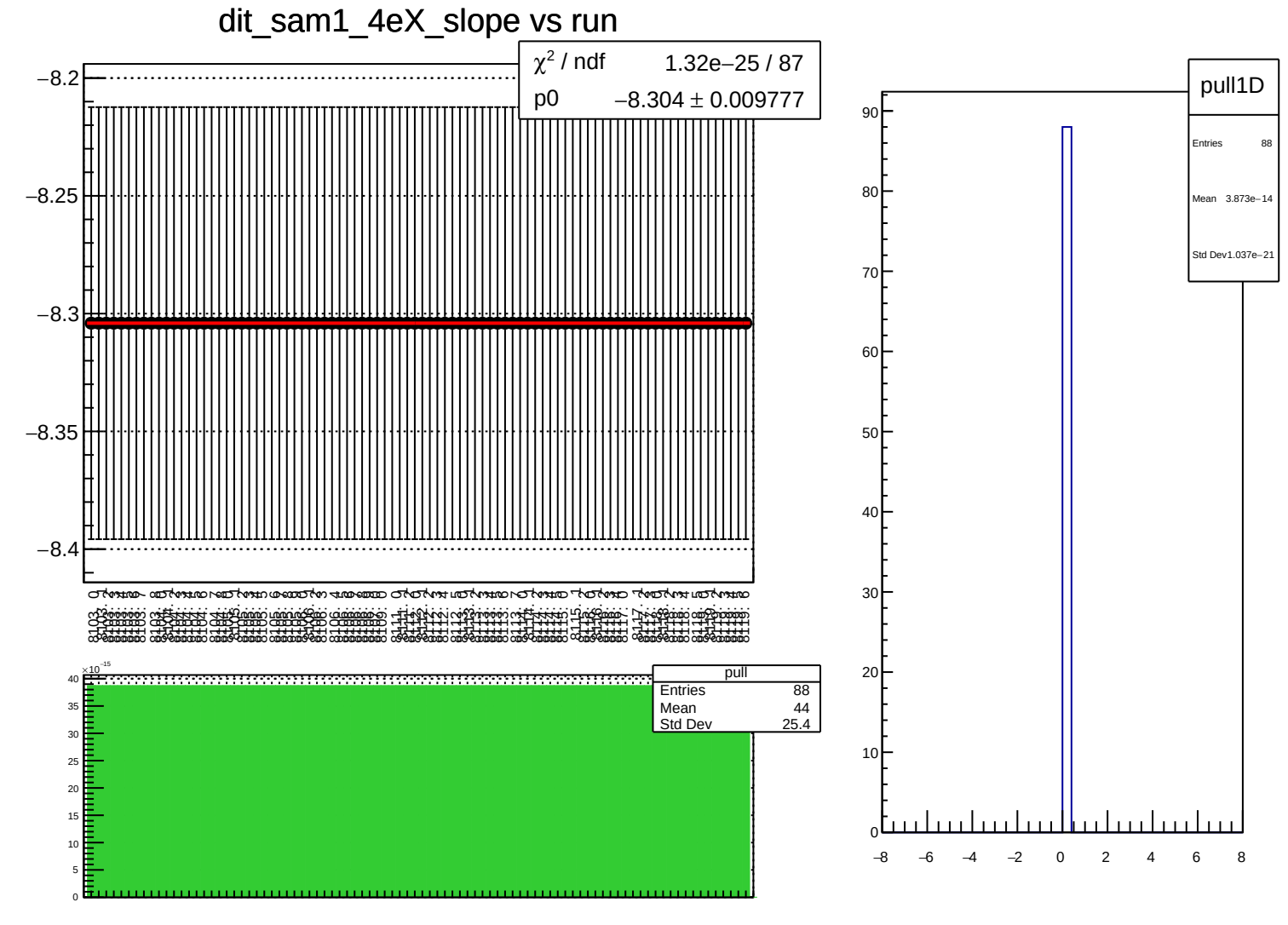

dit_atr2_11X12X_slope vs run
χ² / ndf 6.69e−24 / 87
p0 −248.1 ± 0.0989
−247.2
−247.4
−247.6
−247.8
−248
−248.2
−248.4
−248.6
−248.8
−249
−249.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 2.757e−13
Std Dev1.397e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

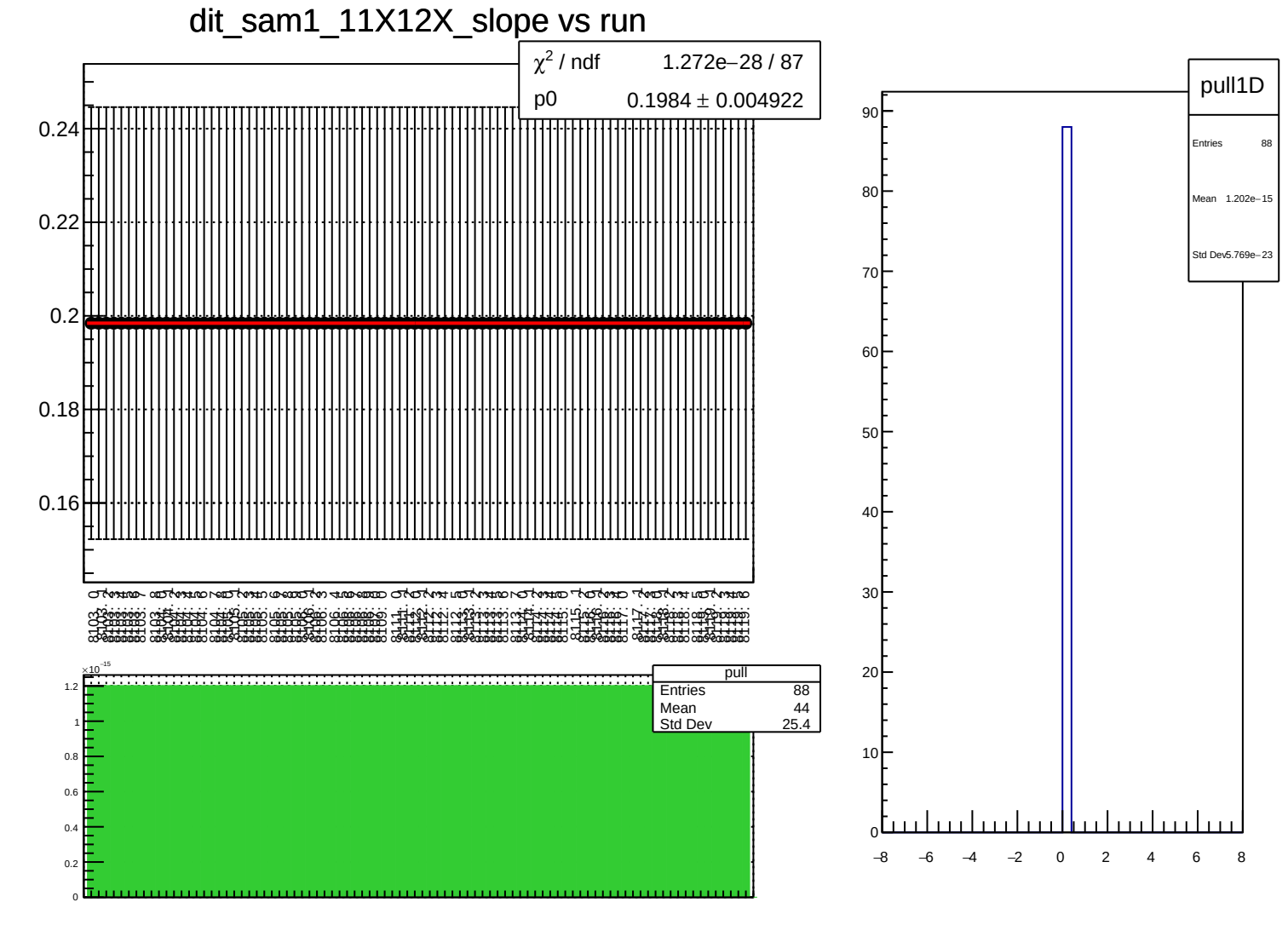

dit_atr2_4aY_slope vs run
χ² / ndf 4.239e−28 / 87
p0 −23.37 ± 0.3451
−20
−21
−22
−23
−24
−25
−26
−27
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 88
Mean −2.195e−15
Std Dev 1.35e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

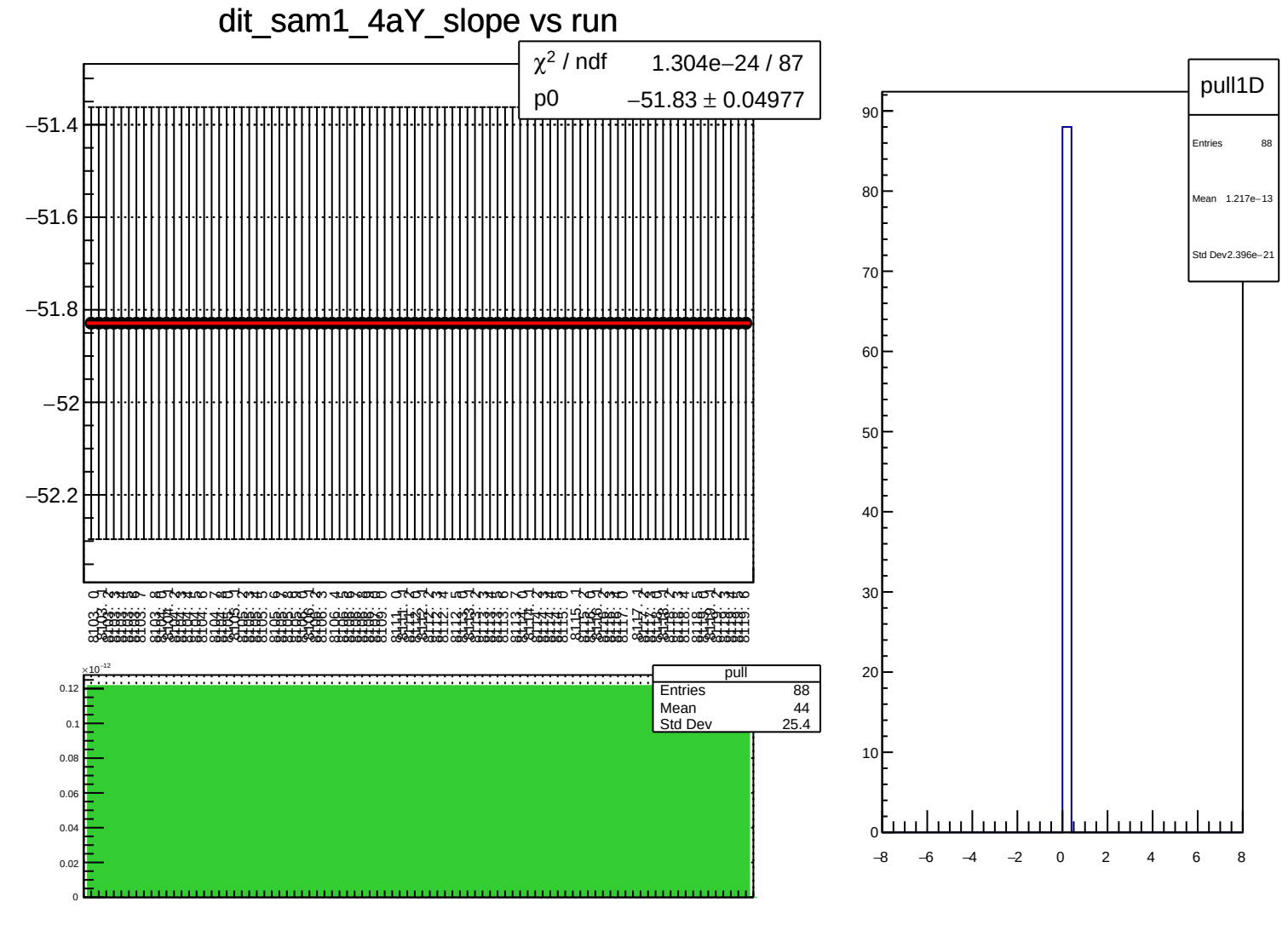

dit_atr2_4eY_slope vs run
χ^2 / ndf 3.301e−25 / 87
p0 142.2 ± 0.3463
pull
Entries 88
Mean 44
Std Dev 25.4

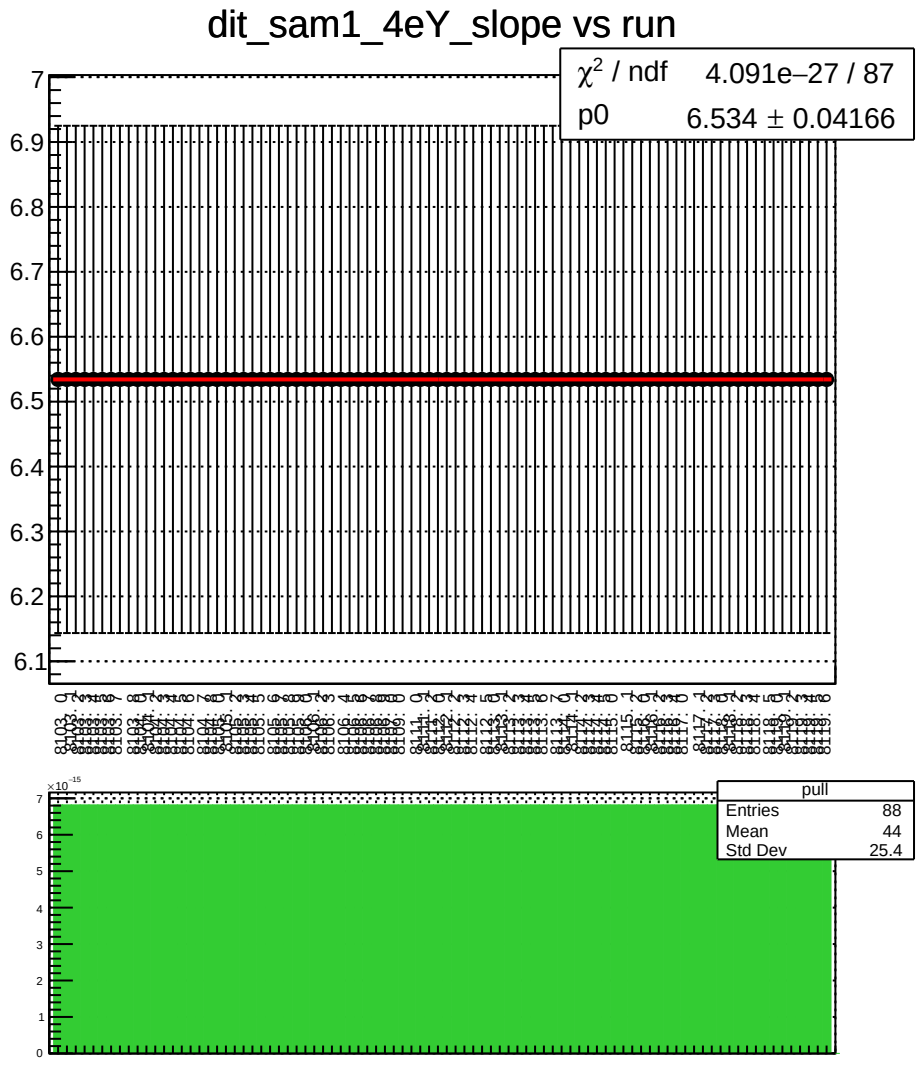

pull1D
Entries 88
Mean −6.125e−14
Std Dev1.198e−21

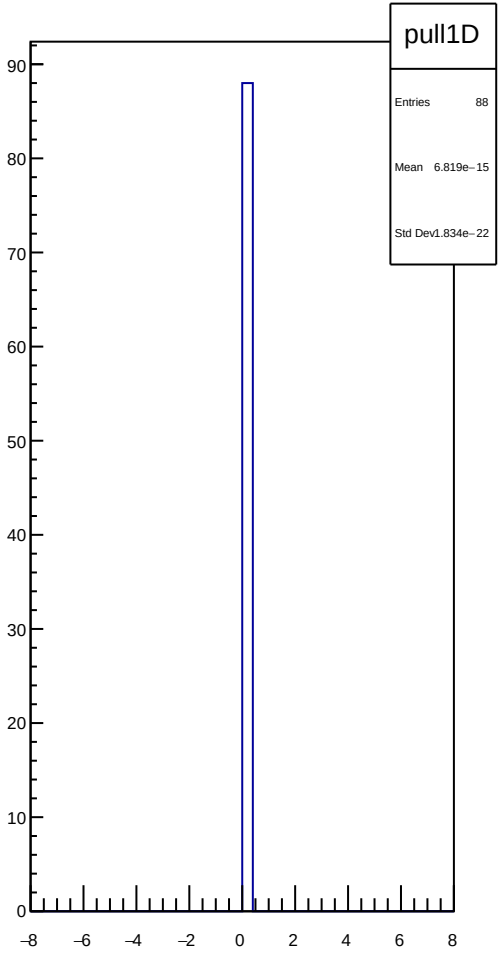

dit_sam1_4aX_slope vs run
χ² / ndf 2.167e−26 / 87
p0 −1.016 ± 0.0181
−0.85
−0.9
−0.95
−1
−1.05
−1.1
−1.15
−1.2
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 1.569e−14
Std Dev7.023e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

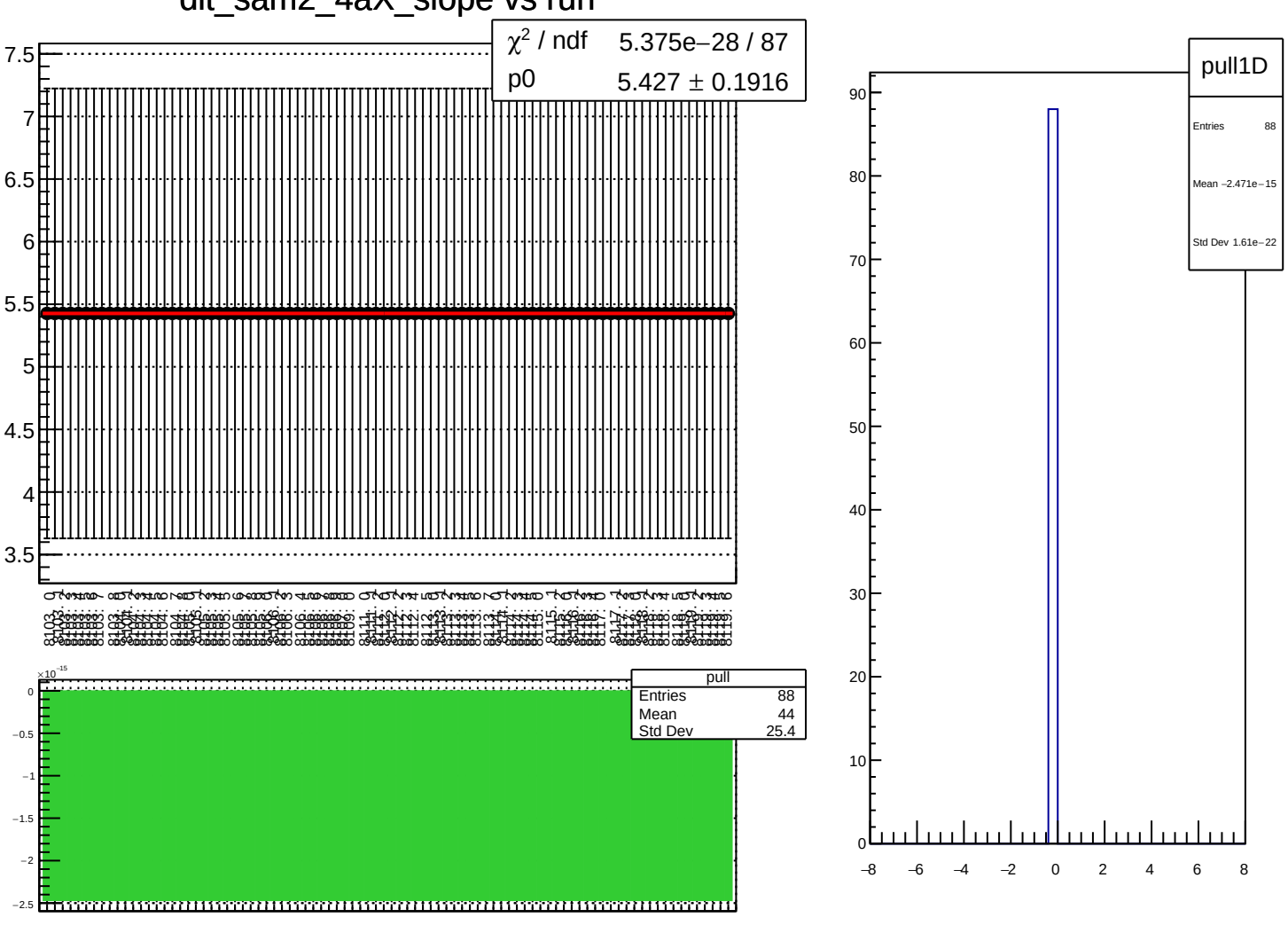

dit_sam1_4eX_slope vs run
χ² / ndf 1.32e−25 / 87
p0 −8.304 ± 0.009777
−8.2
−8.25
−8.3
−8.35
−8.4
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 88
Mean 3.873e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

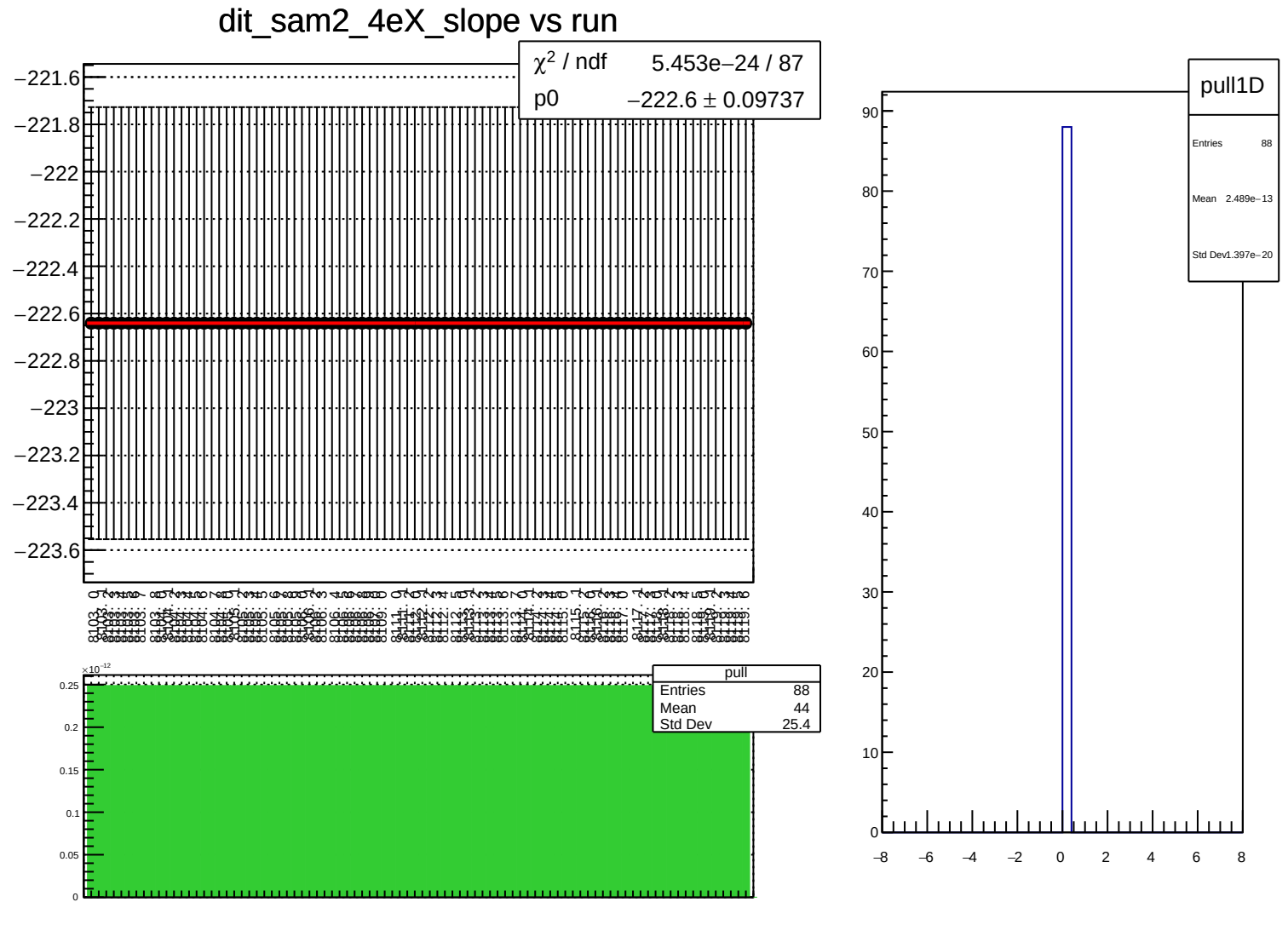

dit_sam1_11X12X_slope vs run
χ² / ndf 1.272e−28 / 87
p0 0.1984 ± 0.004922
0.24
0.22
0.2
0.18
0.16
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 88
Mean 1.202e−15
Std Dev 5.769e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

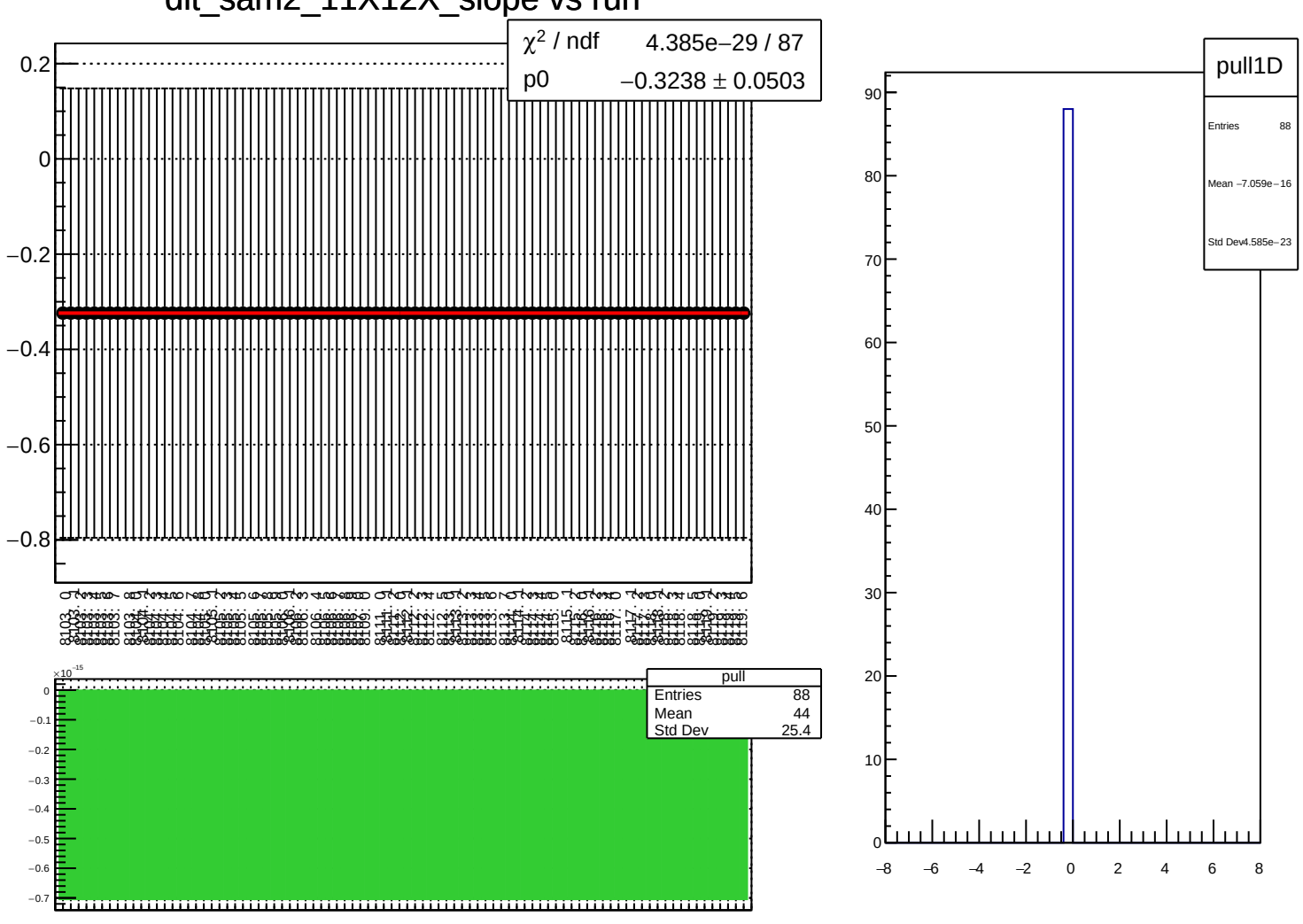

dit_sam1_4aY_slope vs run
χ² / ndf 1.304e−24 / 87
p0 −51.83 ± 0.04977
−51.4
−51.6
−51.8
−52
−52.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 88
Mean 1.217e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

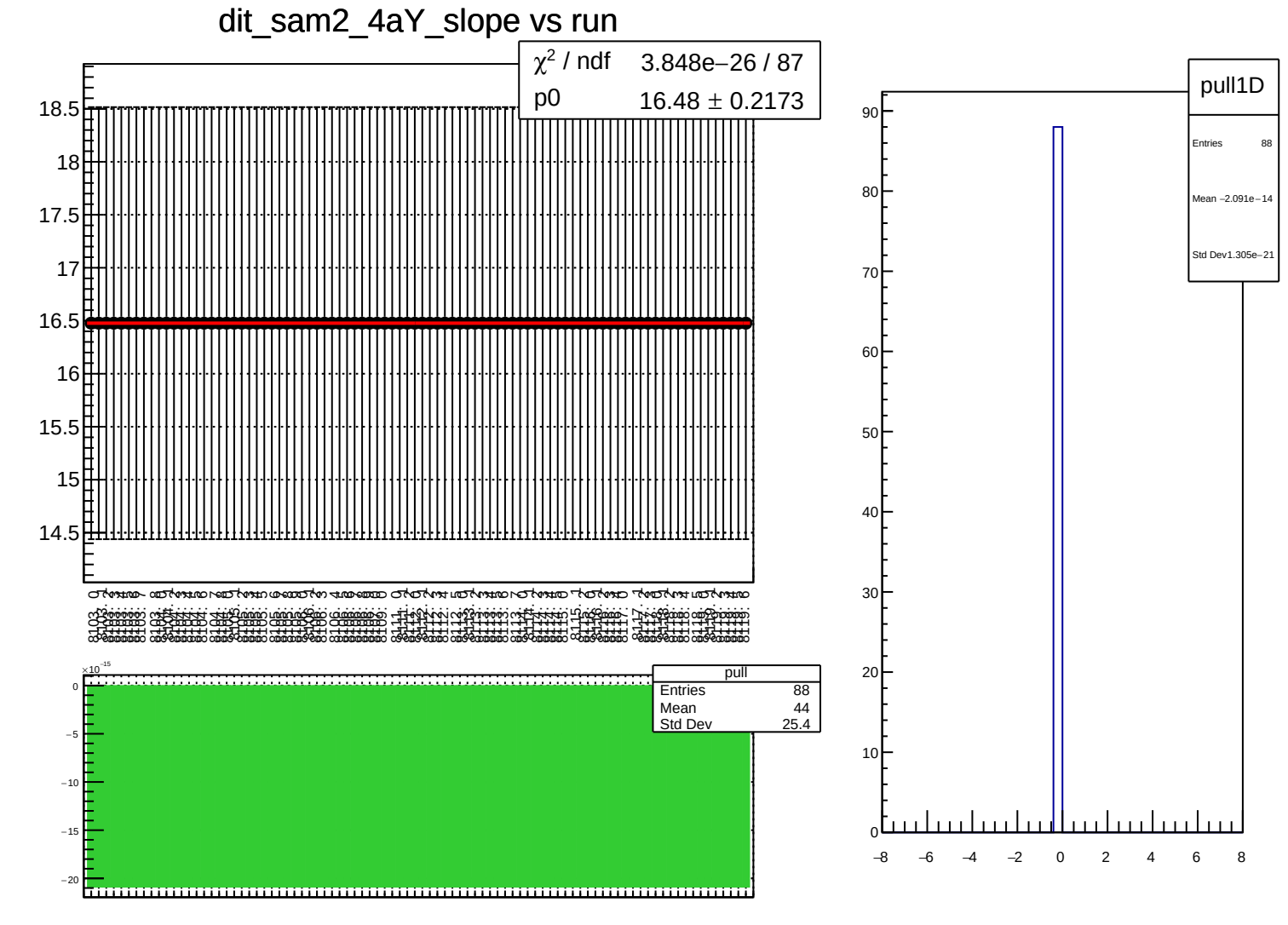

dit_sam1_4eY_slope vs run
χ² / ndf 4.091e−27 / 87
p0 6.534 ± 0.04166
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵

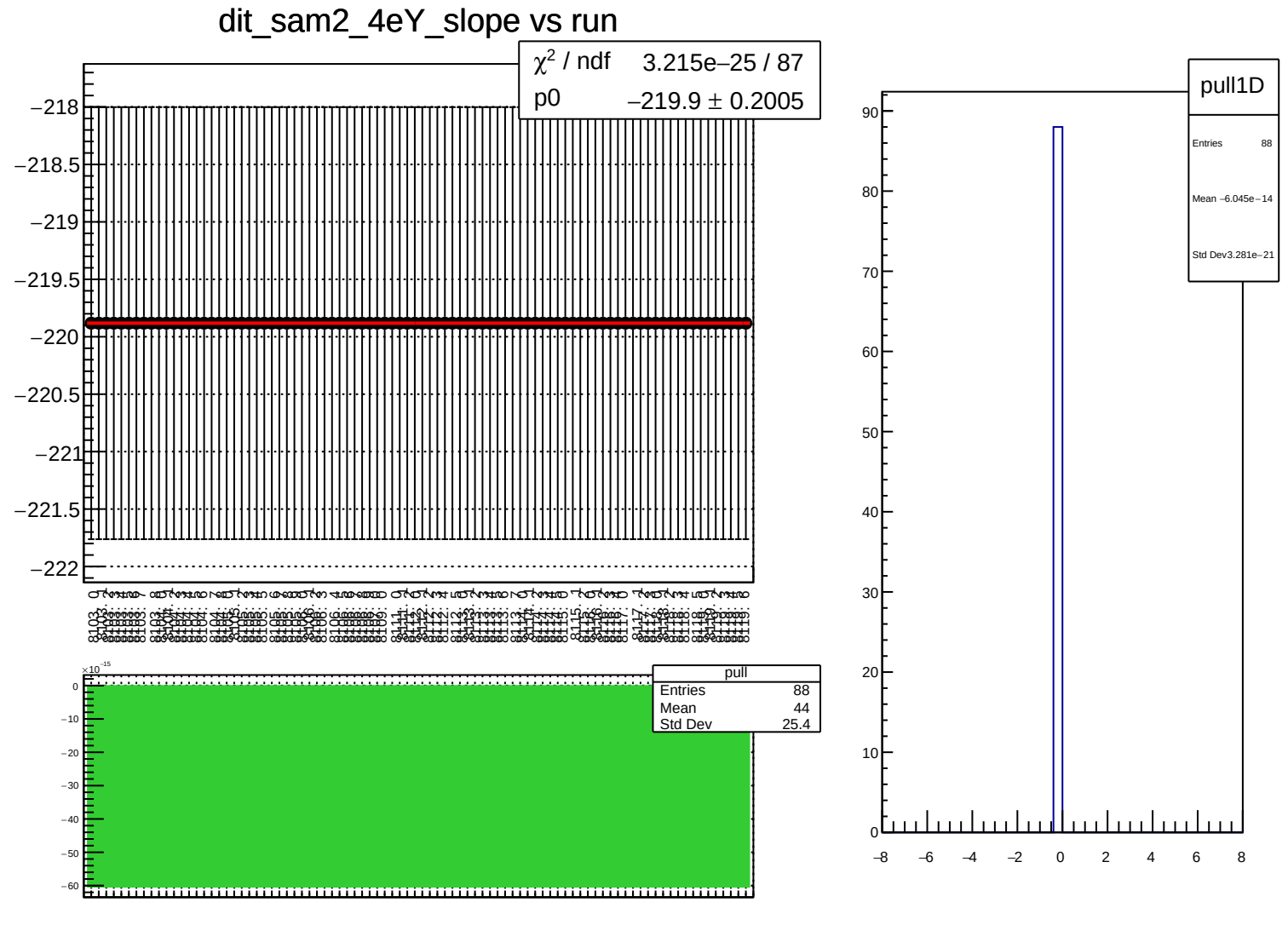

pull1D
Entries 88
Mean 6.819e−15
Std Dev 1.834e−22

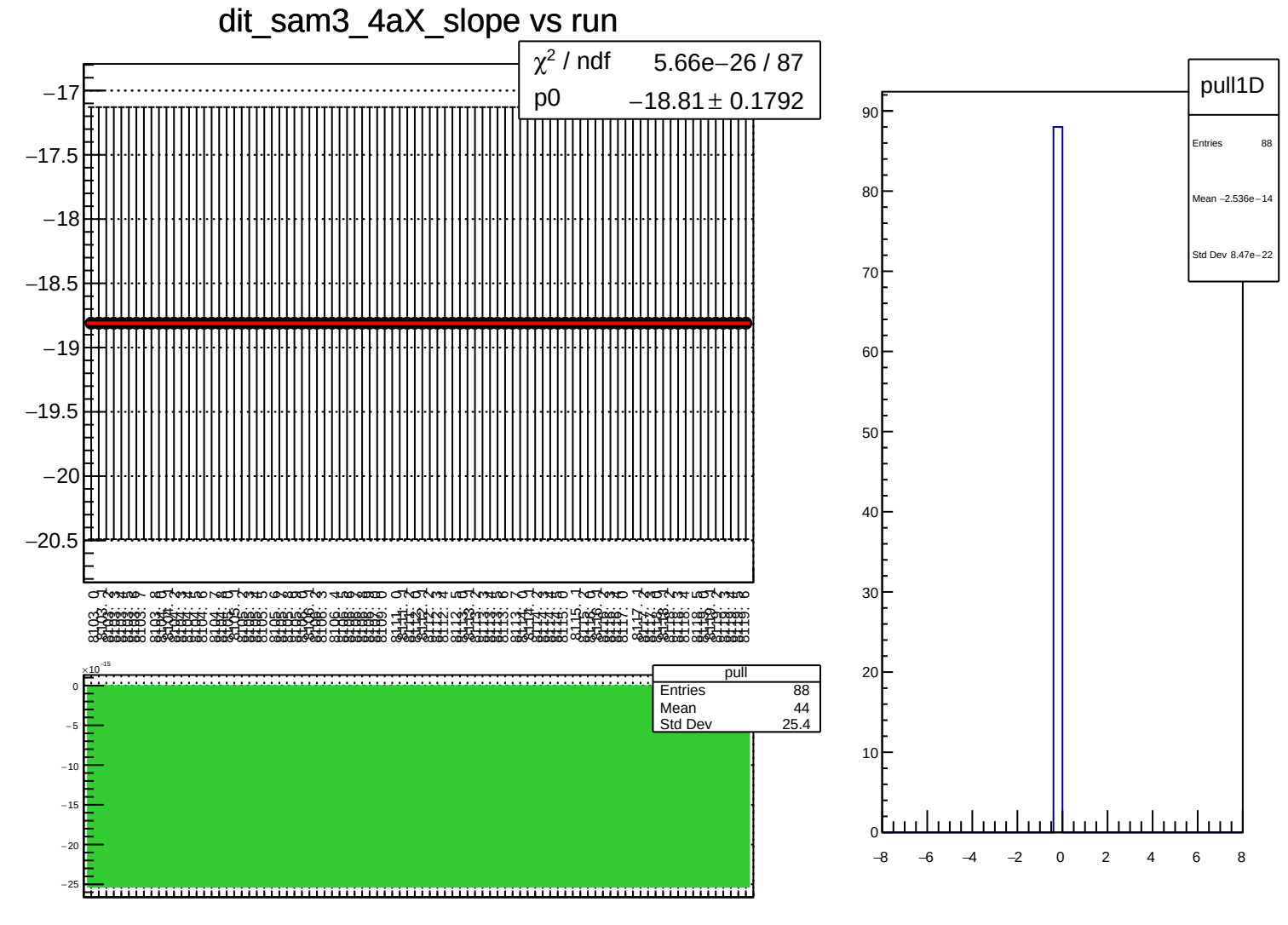

dit_sam2_4aX_slope vs run
χ² / ndf 5.375e−28 / 87
p0 5.427 ± 0.1916
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean −2.471e−15
Std Dev 1.61e−22

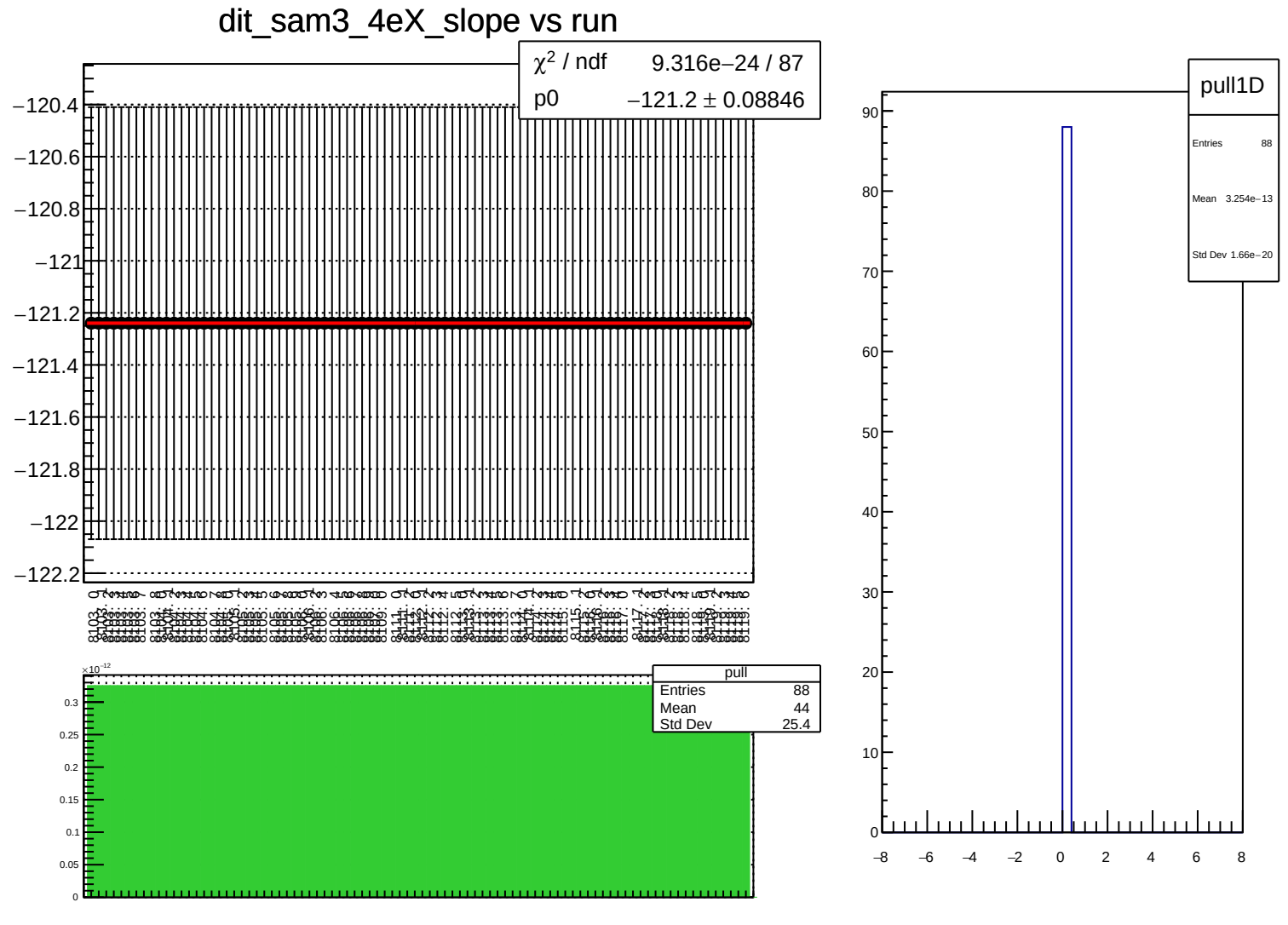

dit_sam2_4eX_slope vs run
χ² / ndf 5.453e−24 / 87
p0 −222.6 ± 0.09737
−221.6
−221.8
−222
−222.2
−222.4
−222.6
−222.8
−223
−223.2
−223.4
−223.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 2.489e−13
Std Dev1.397e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

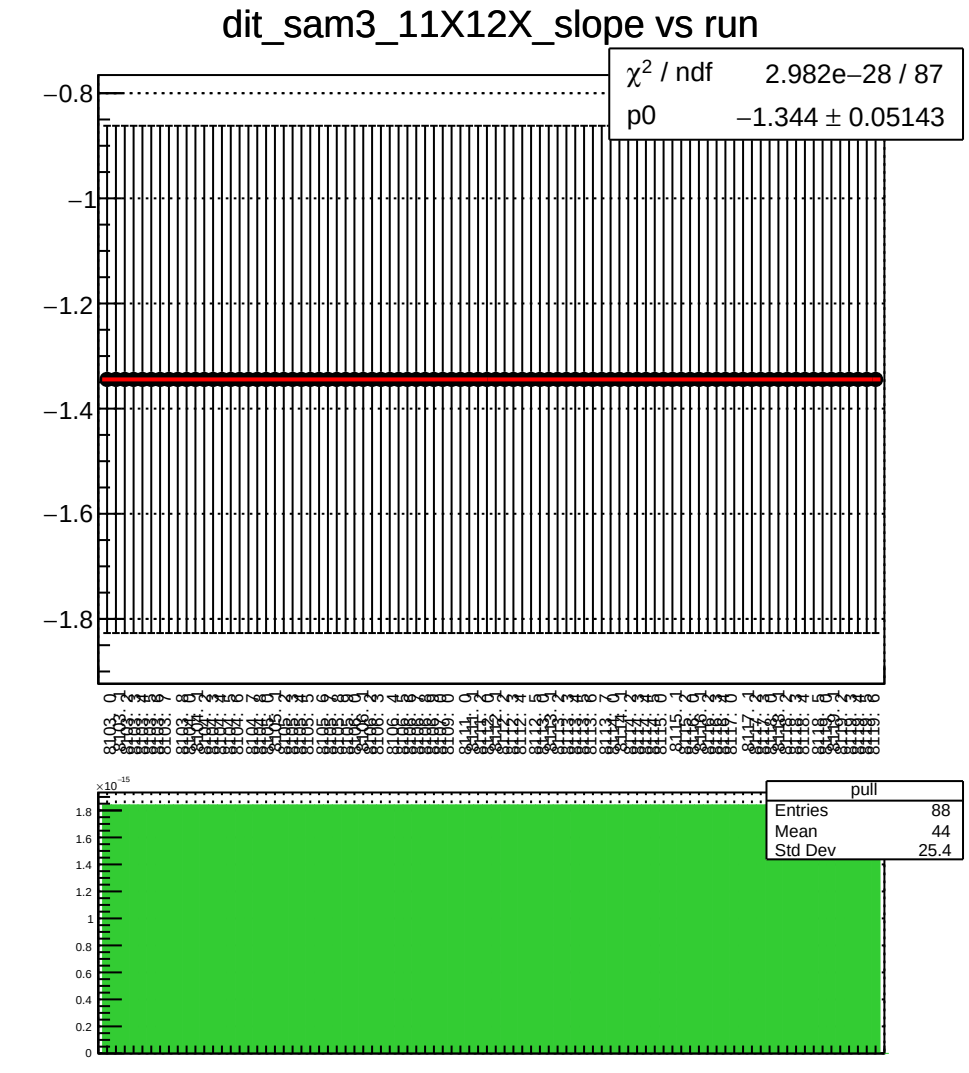

dit_sam2_11X12X_slope vs run
χ² / ndf 4.385e−29 / 87
p0 −0.3238 ± 0.0503
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
pull1D
Entries 88
Mean −7.059e−16
Std Dev4.585e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

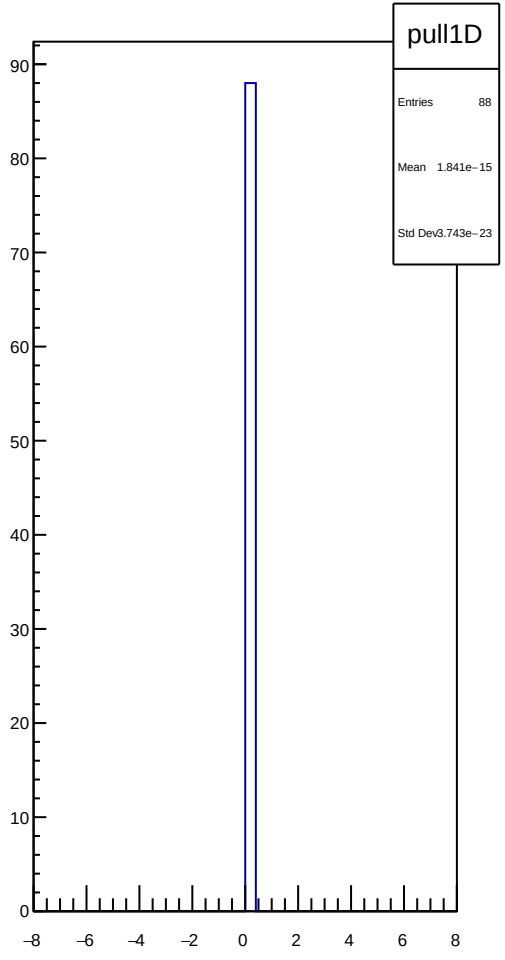

dit_sam2_4aY_slope vs run
χ² / ndf 3.848e−26 / 87
p0 16.48 ± 0.2173
18.5
18
17.5
17
16.5
16
15.5
15
14.5
×10⁻¹⁵
0
−5
−10
−15
−20
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean −2.091e−14
Std Dev1.305e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

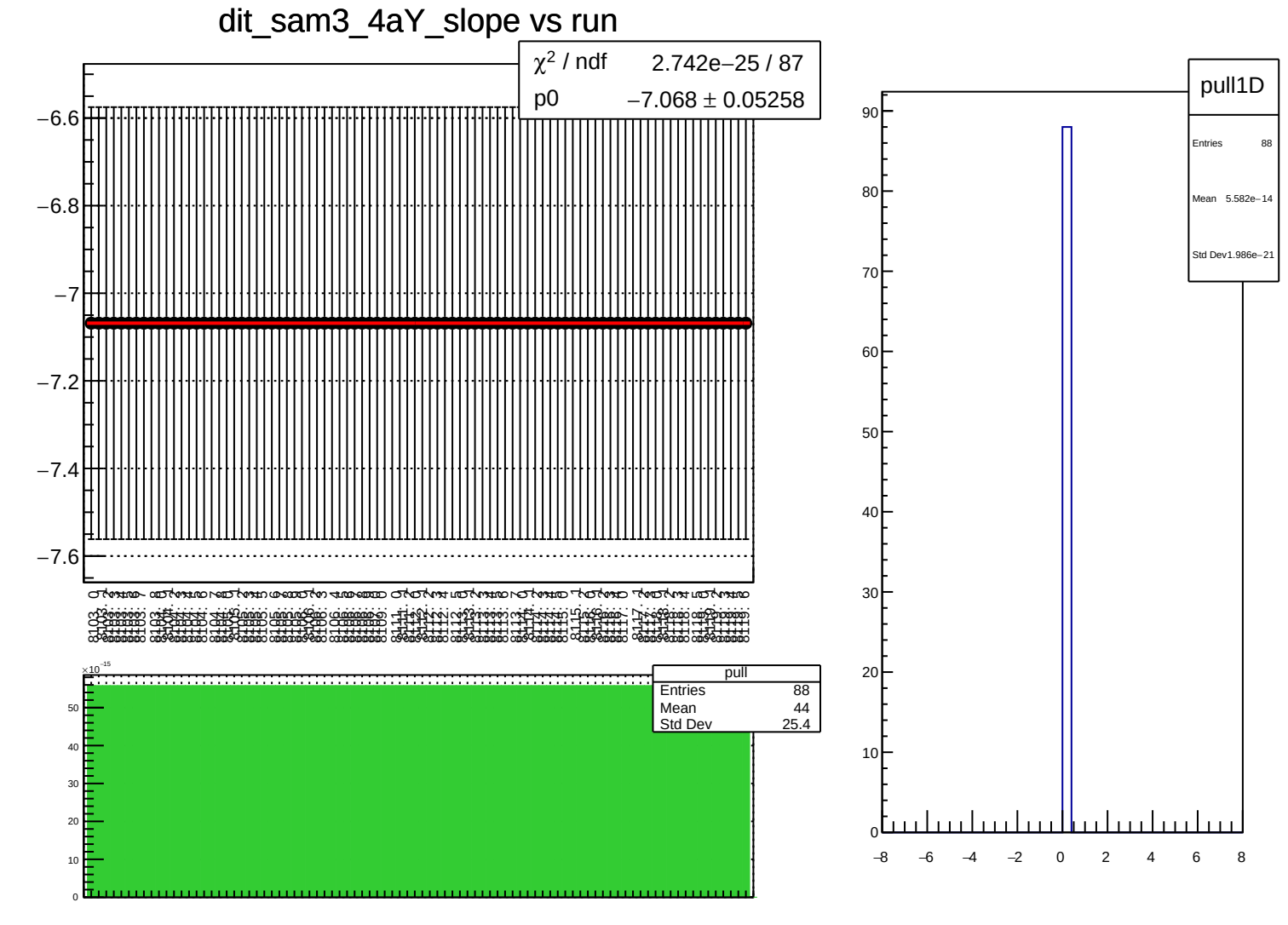

dit_sam2_4eY_slope vs run
χ² / ndf 3.215e−25 / 87
p0 −219.9 ± 0.2005
−218
−218.5
−219
−219.5
−220
−220.5
−221
−221.5
−222
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 88
Mean −6.045e−14
Std Dev3.281e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

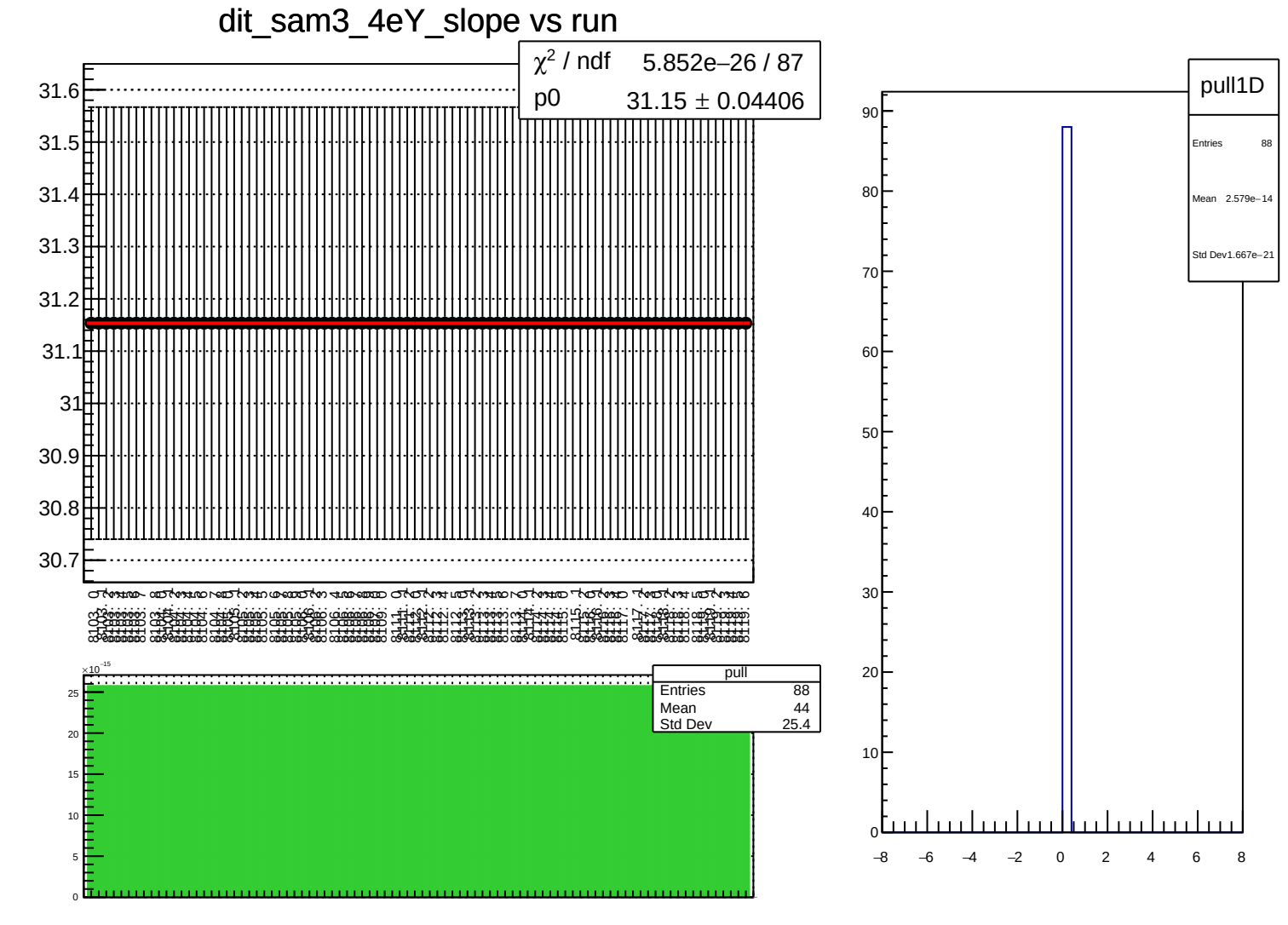

dit_sam3_4aX_slope vs run
χ² / ndf 5.66e−26 / 87
p0 −18.81 ± 0.1792
−17
−17.5
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 88
Mean −2.536e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

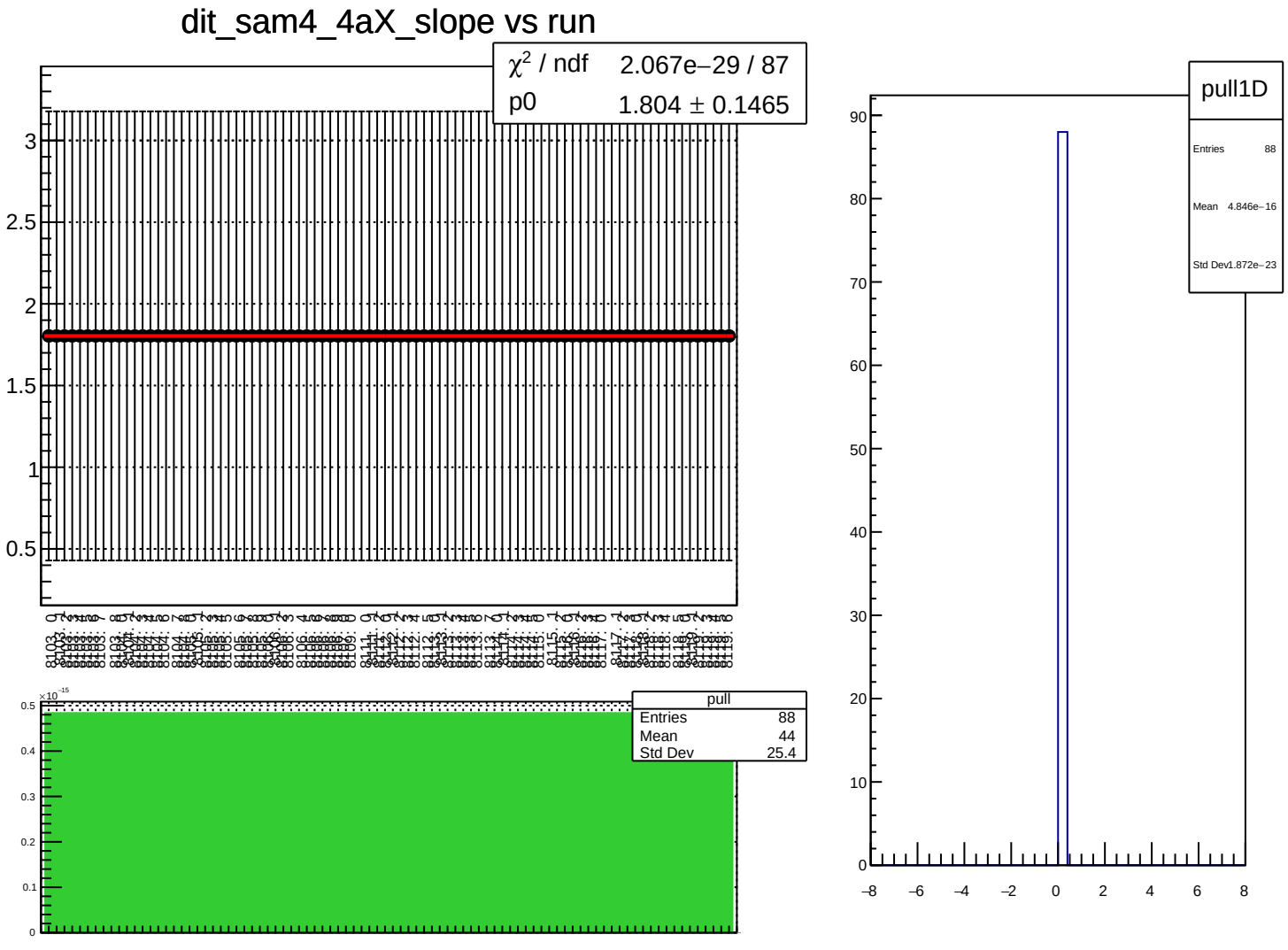

dit_sam3_4eX_slope vs run
χ² / ndf 9.316e−24 / 87
p0 −121.2 ± 0.08846
−120.4
−120.6
−120.8
−121
−121.2
−121.4
−121.6
−121.8
−122
−122.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 3.254e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

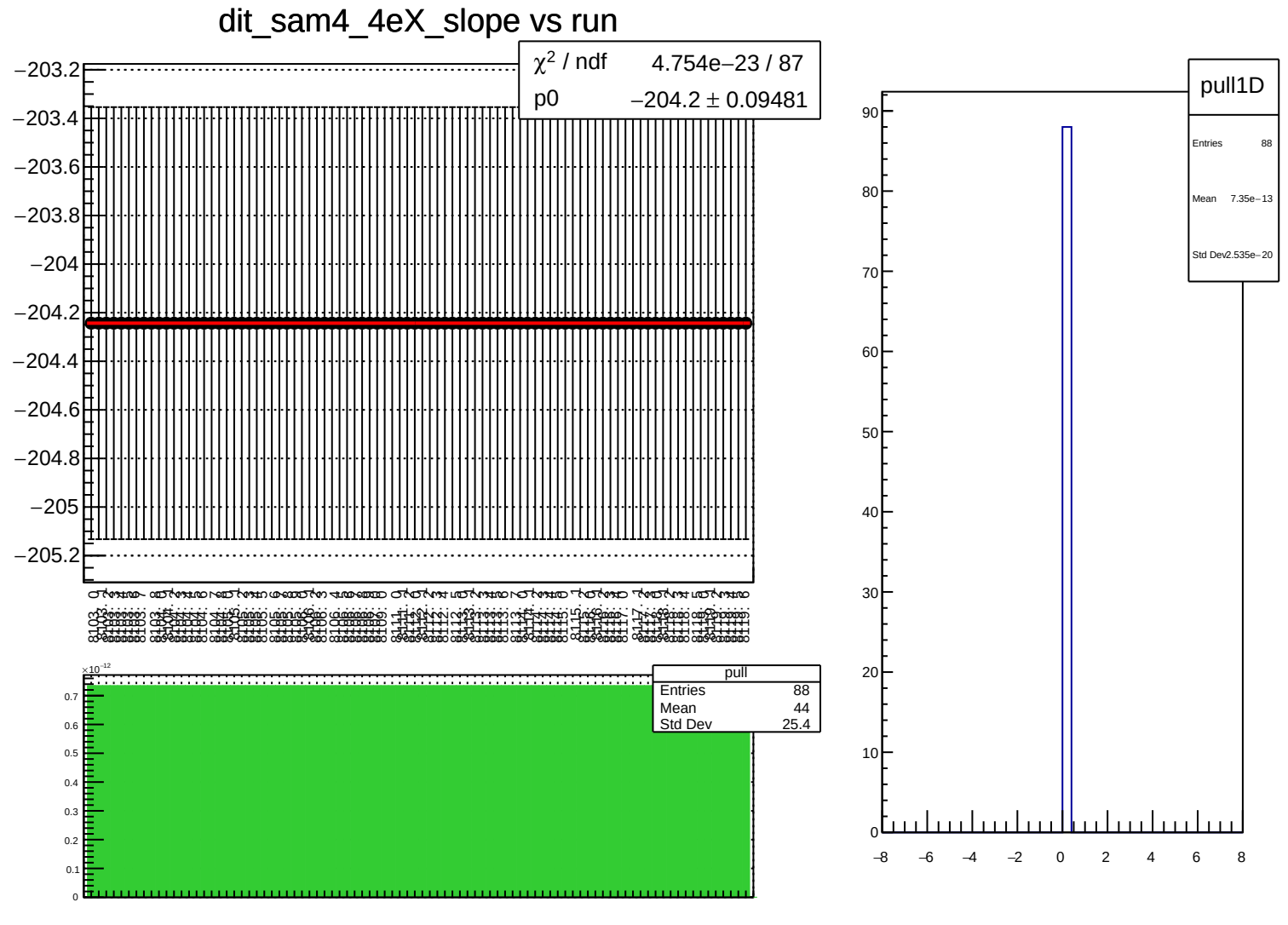

dit_sam3_11X12X_slope vs run
χ² / ndf 2.982e−28 / 87
p0 −1.344 ± 0.05143
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

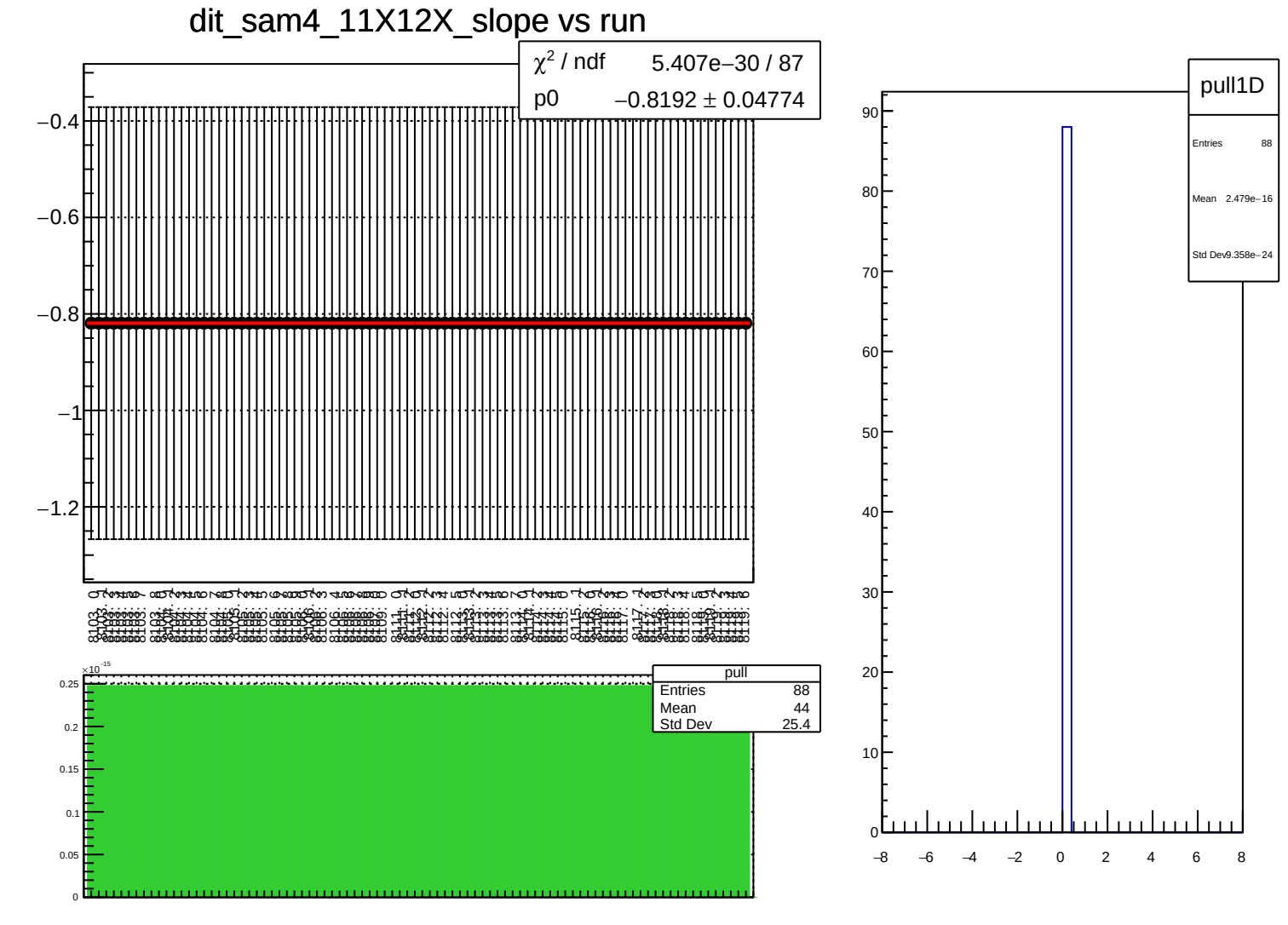

pull1D
Entries 88
Mean 1.841e−15
Std Dev 3.743e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

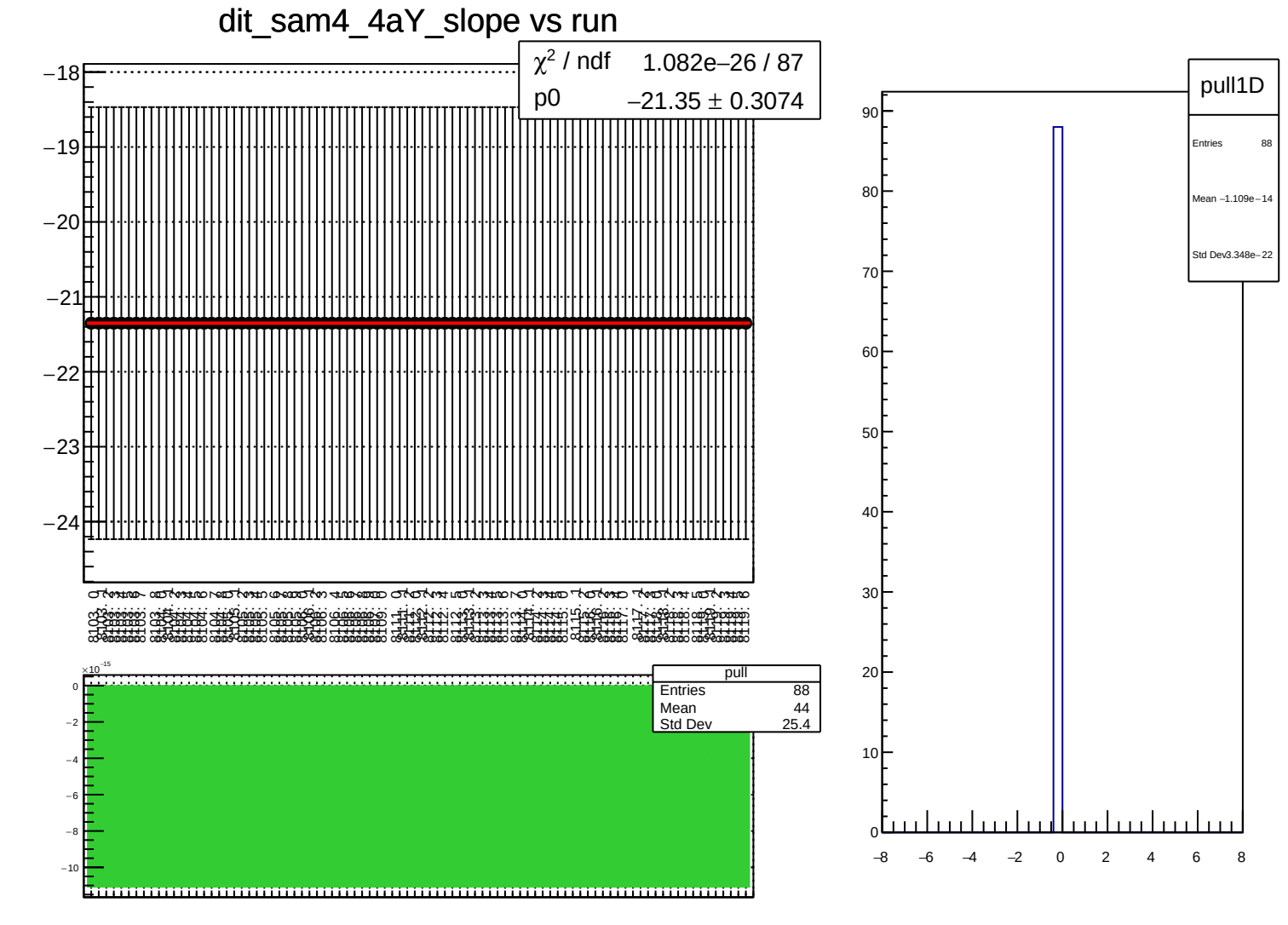

dit_sam3_4aY_slope vs run
χ² / ndf 2.742e−25 / 87
p0 −7.068 ± 0.05258
−6.6
−6.8
−7
−7.2
−7.4
−7.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 88
Mean 5.582e−14
Std Dev1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

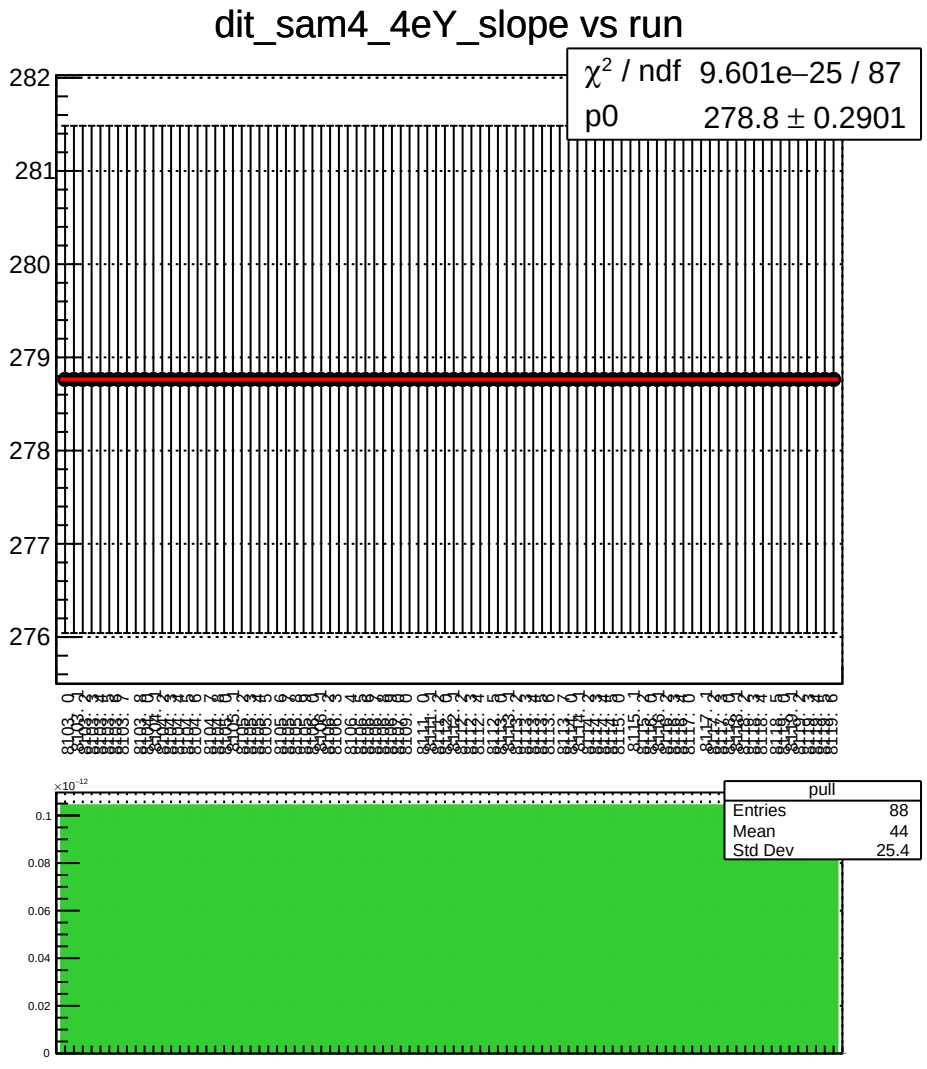

dit_sam3_4eY_slope vs run
χ² / ndf 5.852e−26 / 87
p0 31.15 ± 0.04406
31.6
31.5
31.4
31.3
31.2
31.1
31
30.9
30.8
30.7
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 88
Mean 2.579e−14
Std Dev1.667e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

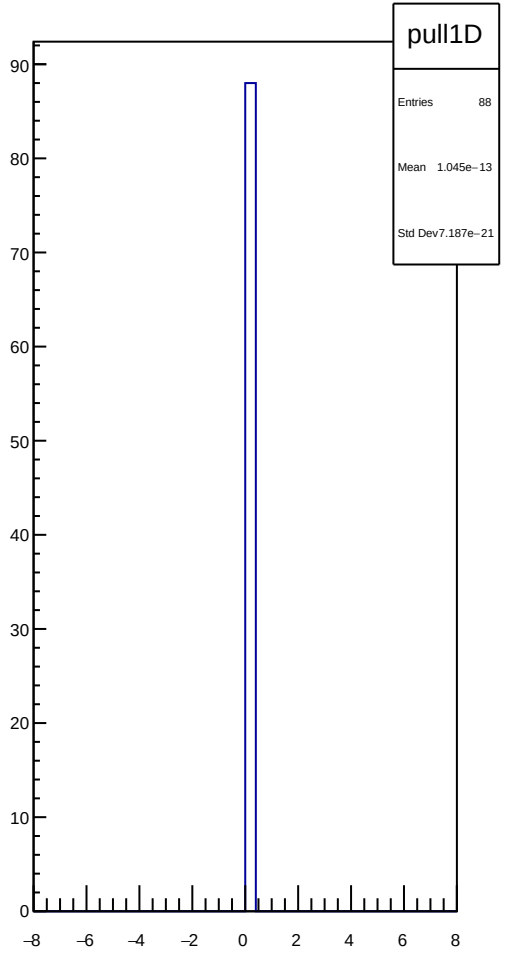

dit_sam4_4aX_slope vs run
χ² / ndf 2.067e−29 / 87
p0 1.804 ± 0.1465
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 4.846e−16
Std Dev1.872e−23

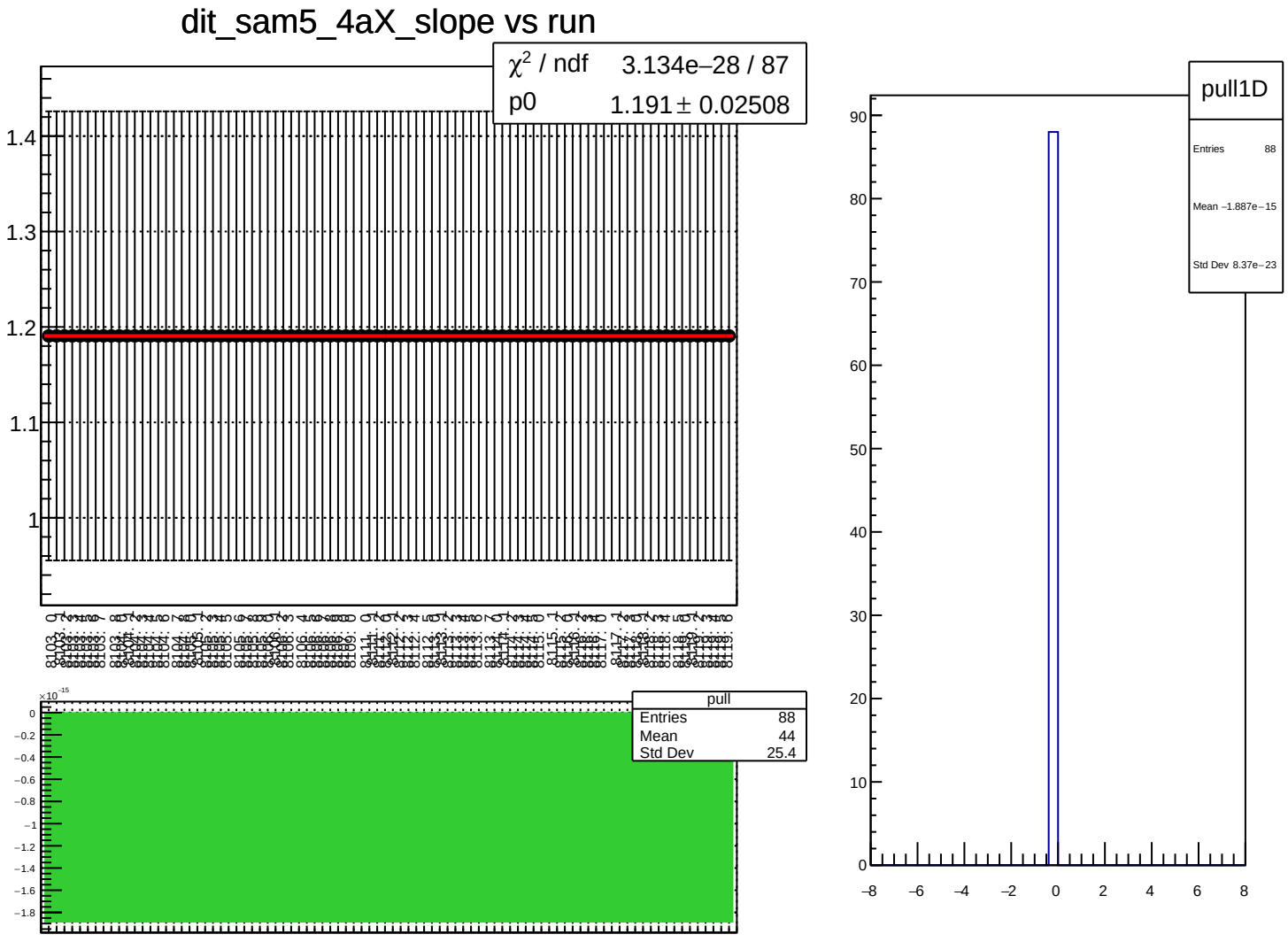

dit_sam4_4eX_slope vs run
χ² / ndf 4.754e−23 / 87
p0 −204.2 ± 0.09481
−203.2
−203.4
−203.6
−203.8
−204
−204.2
−204.4
−204.6
−204.8
−205
−205.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 88
Mean 7.35e−13
Std Dev 2.535e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

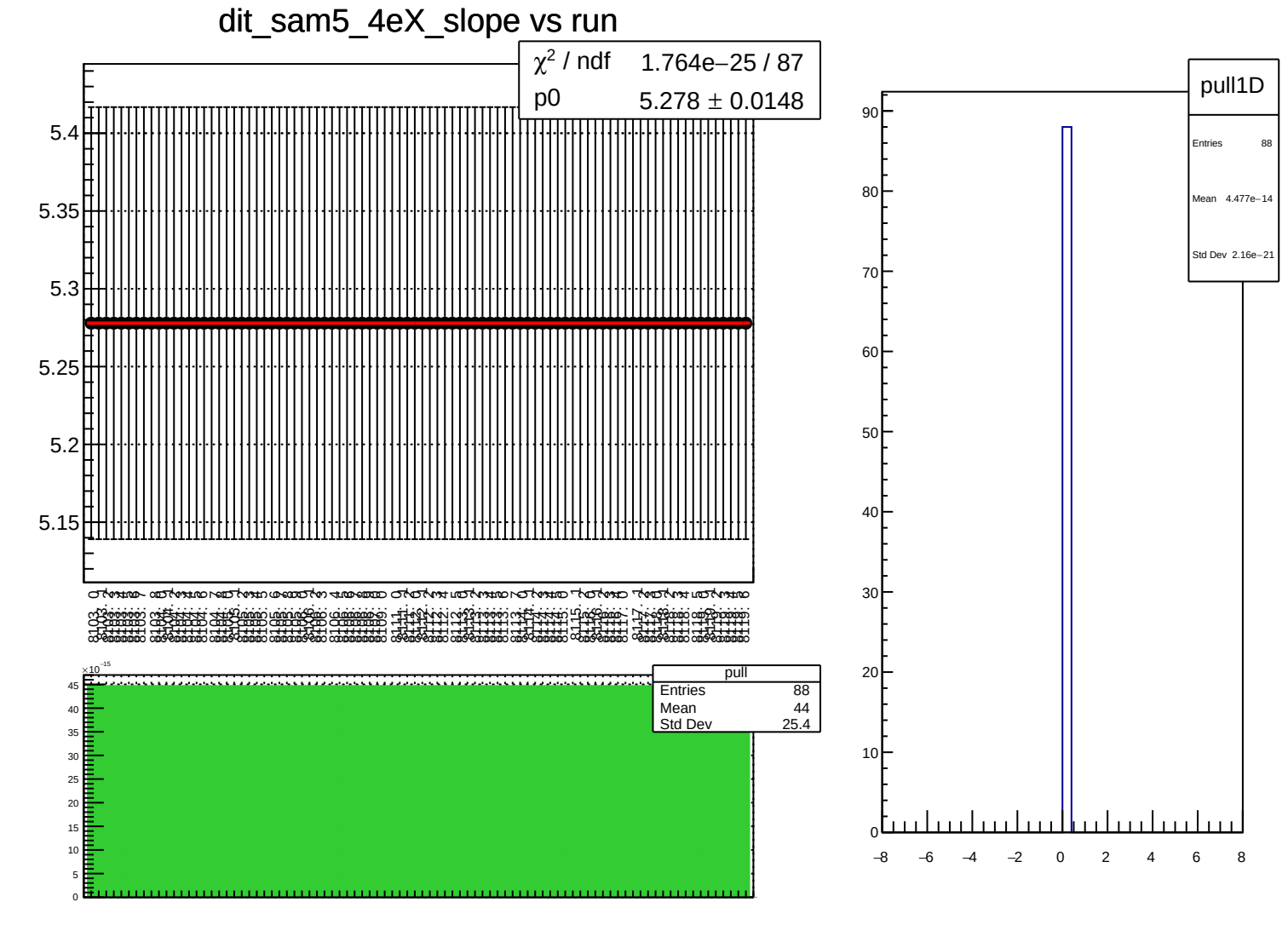

dit_sam4_11X12X_slope vs run
χ² / ndf 5.407e−30 / 87
p0 −0.8192 ± 0.04774
−0.4
−0.6
−0.8
−1
−1.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 2.479e−16
Std Dev 9.358e−24
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

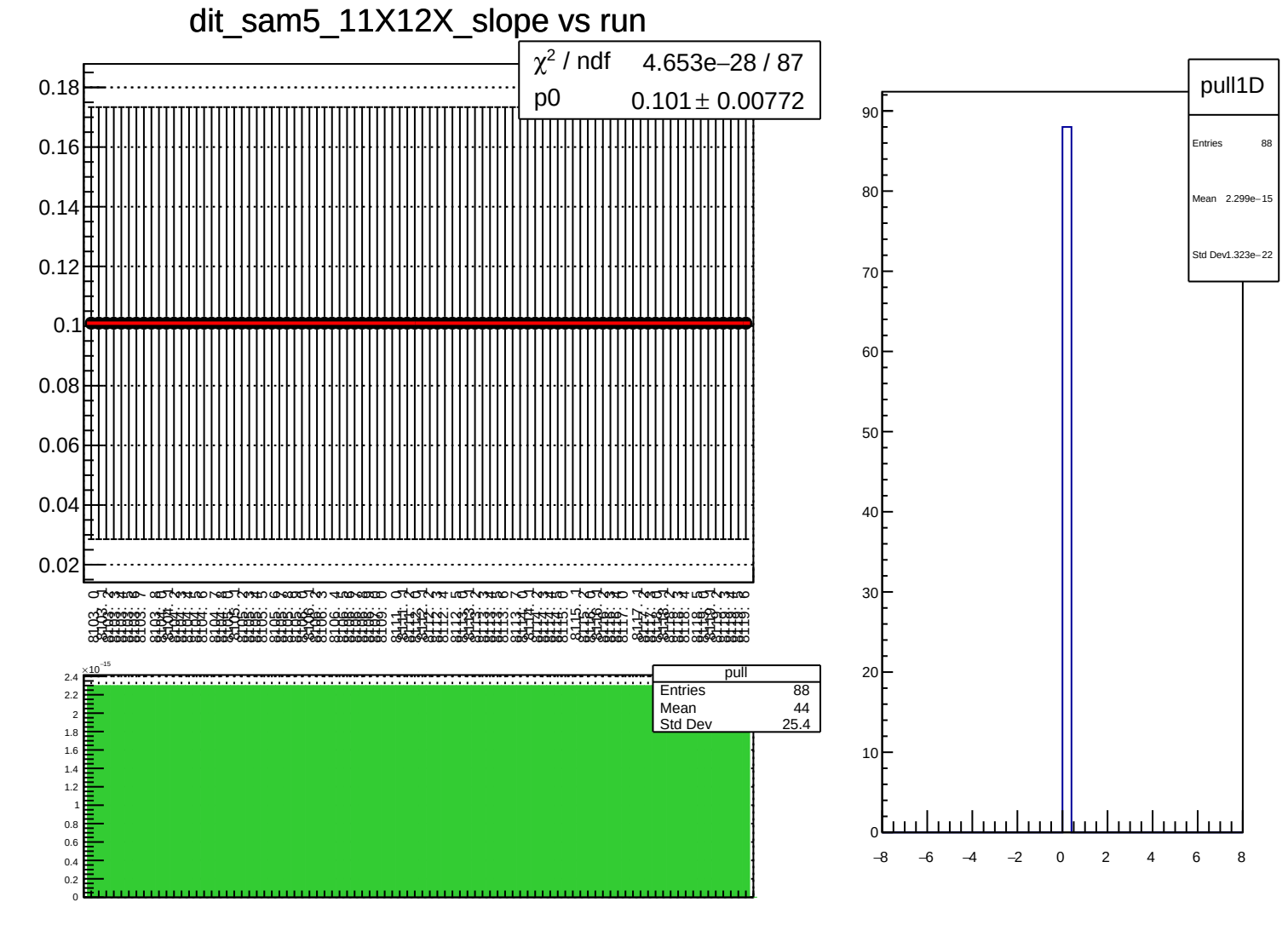

dit_sam4_4aY_slope vs run
χ² / ndf 1.082e−26 / 87
p0 −21.35 ± 0.3074
−18
−19
−20
−21
−22
−23
−24
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 88
Mean −1.109e−14
Std Dev3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

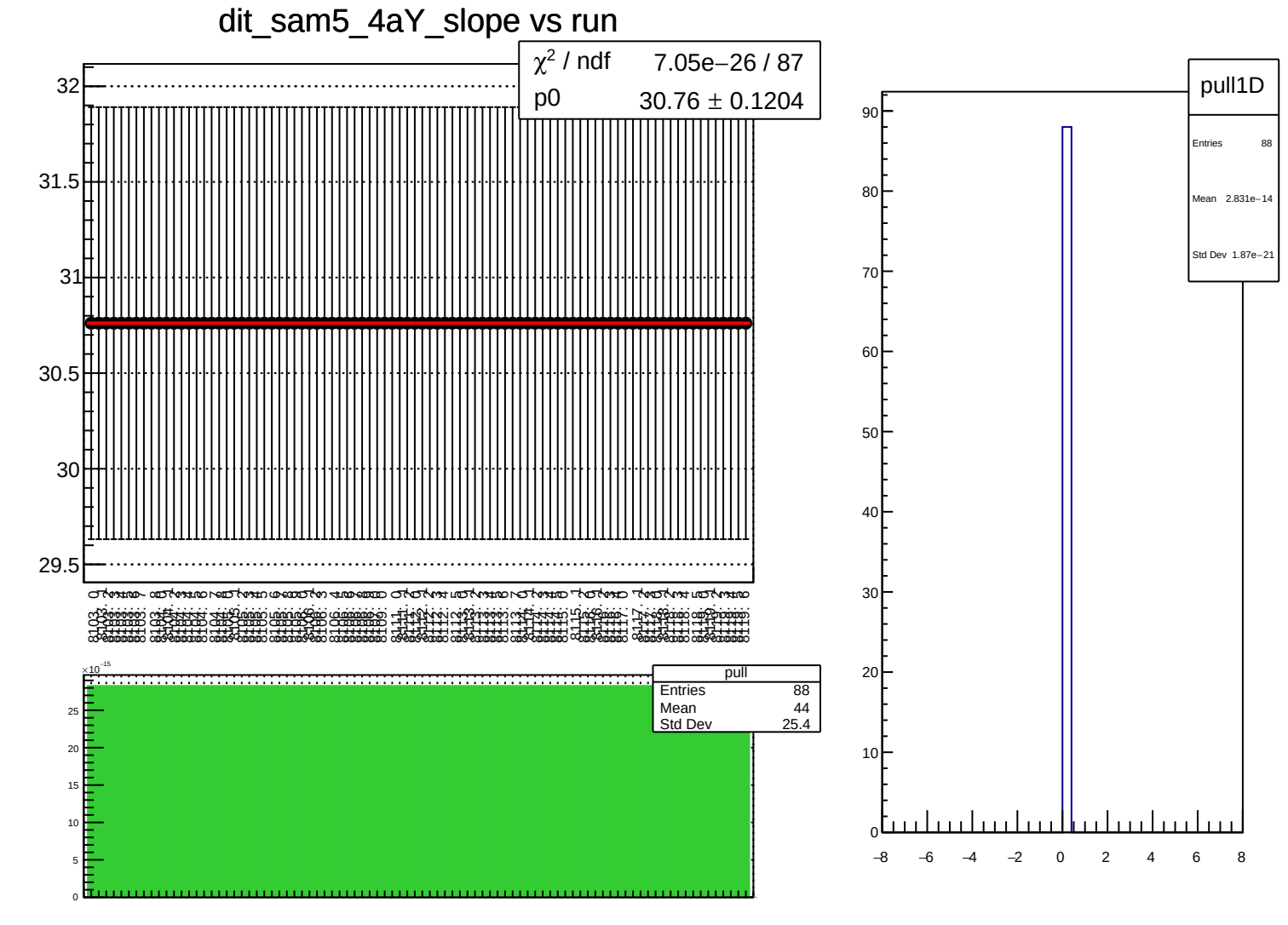

dit_sam4_4eY_slope vs run
χ^2 / ndf 9.601e−25 / 87
p0 278.8 ± 0.2901
282
281
280
279
278
277
276
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

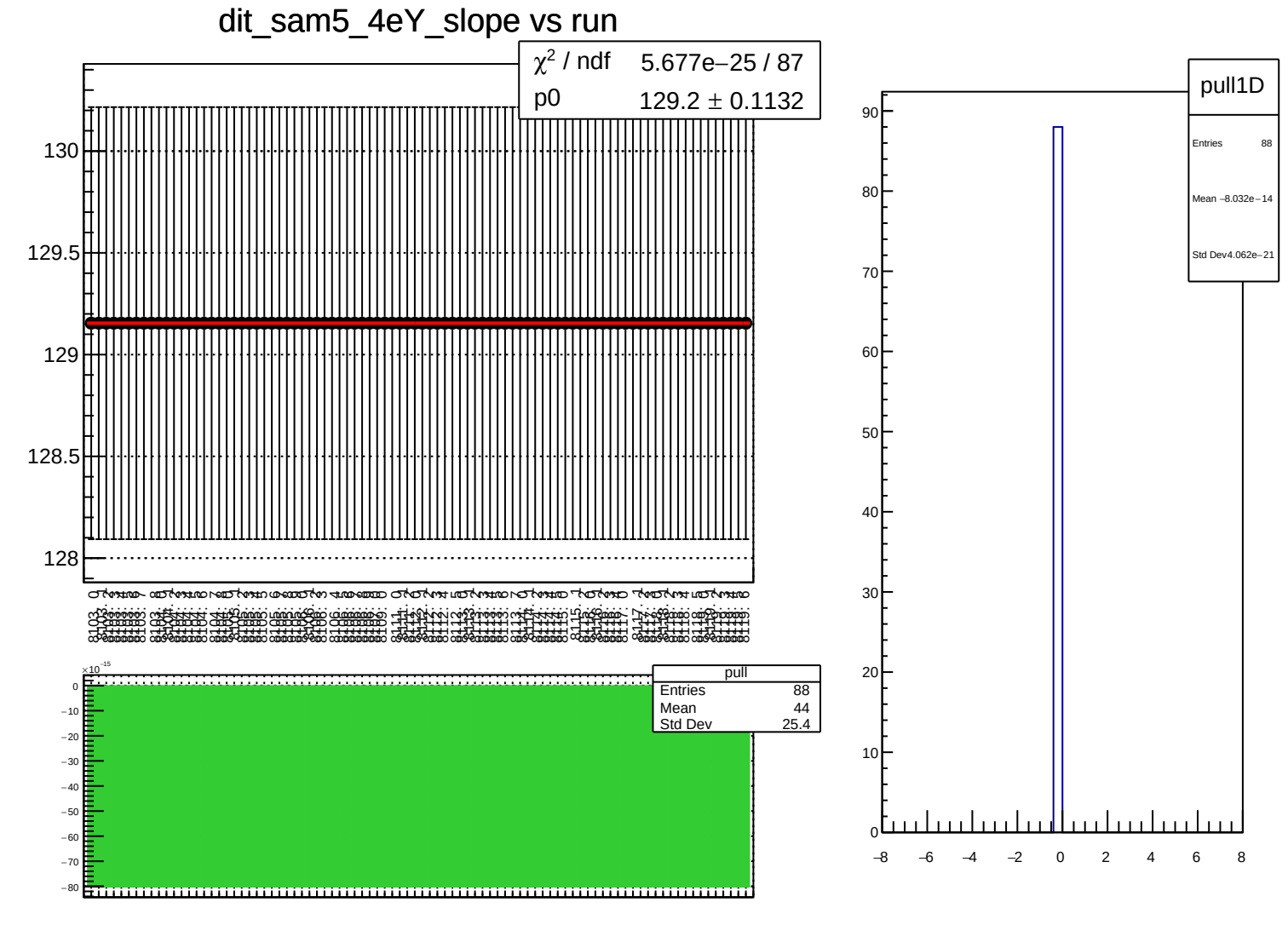

pull1D
Entries 88
Mean 1.045e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

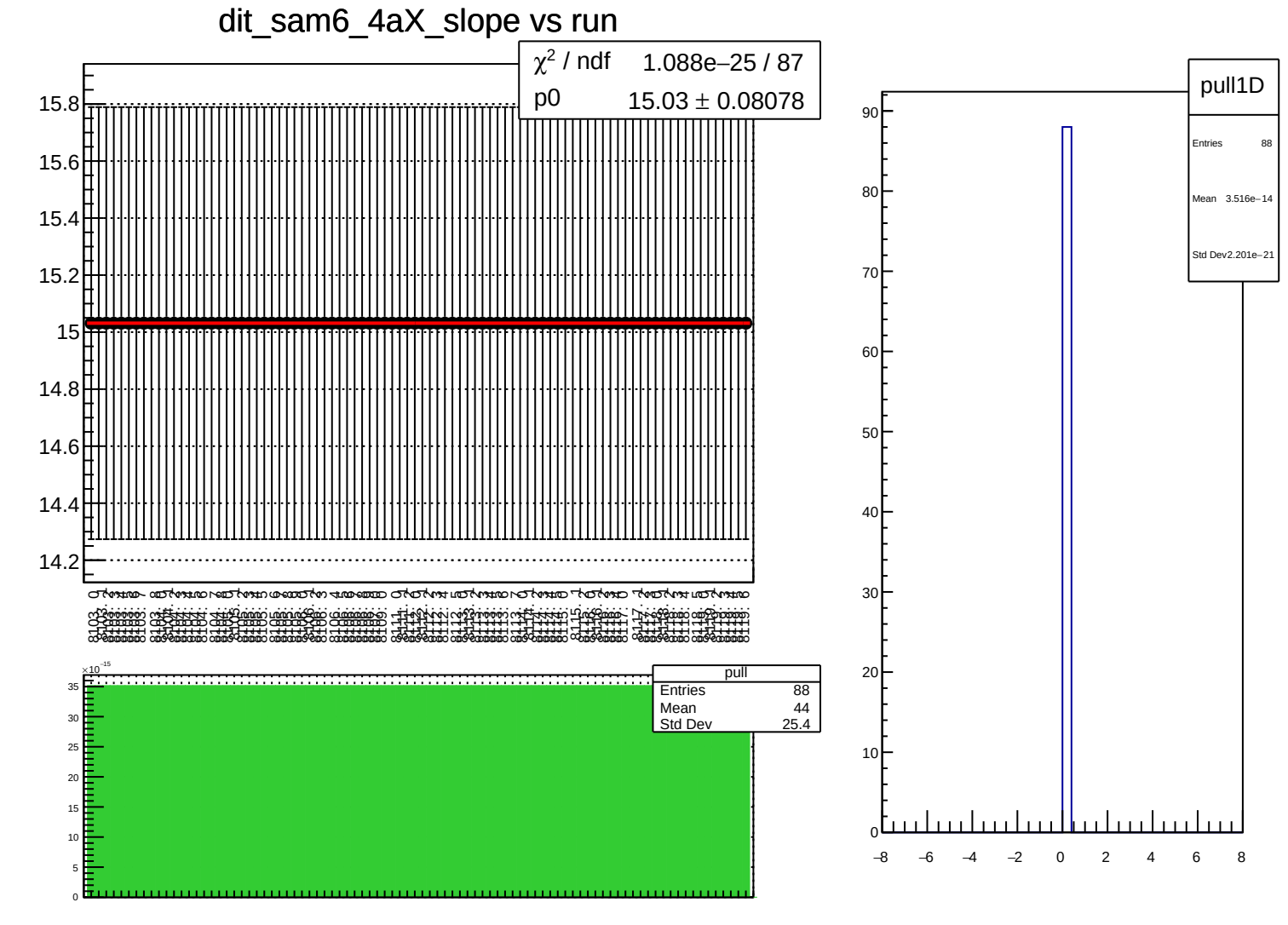

dit_sam5_4aX_slope vs run
χ² / ndf 3.134e−28 / 87
p0 1.191 ± 0.02508
1.4
1.3
1.2
1.1
1
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean −1.887e−15
Std Dev 8.37e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

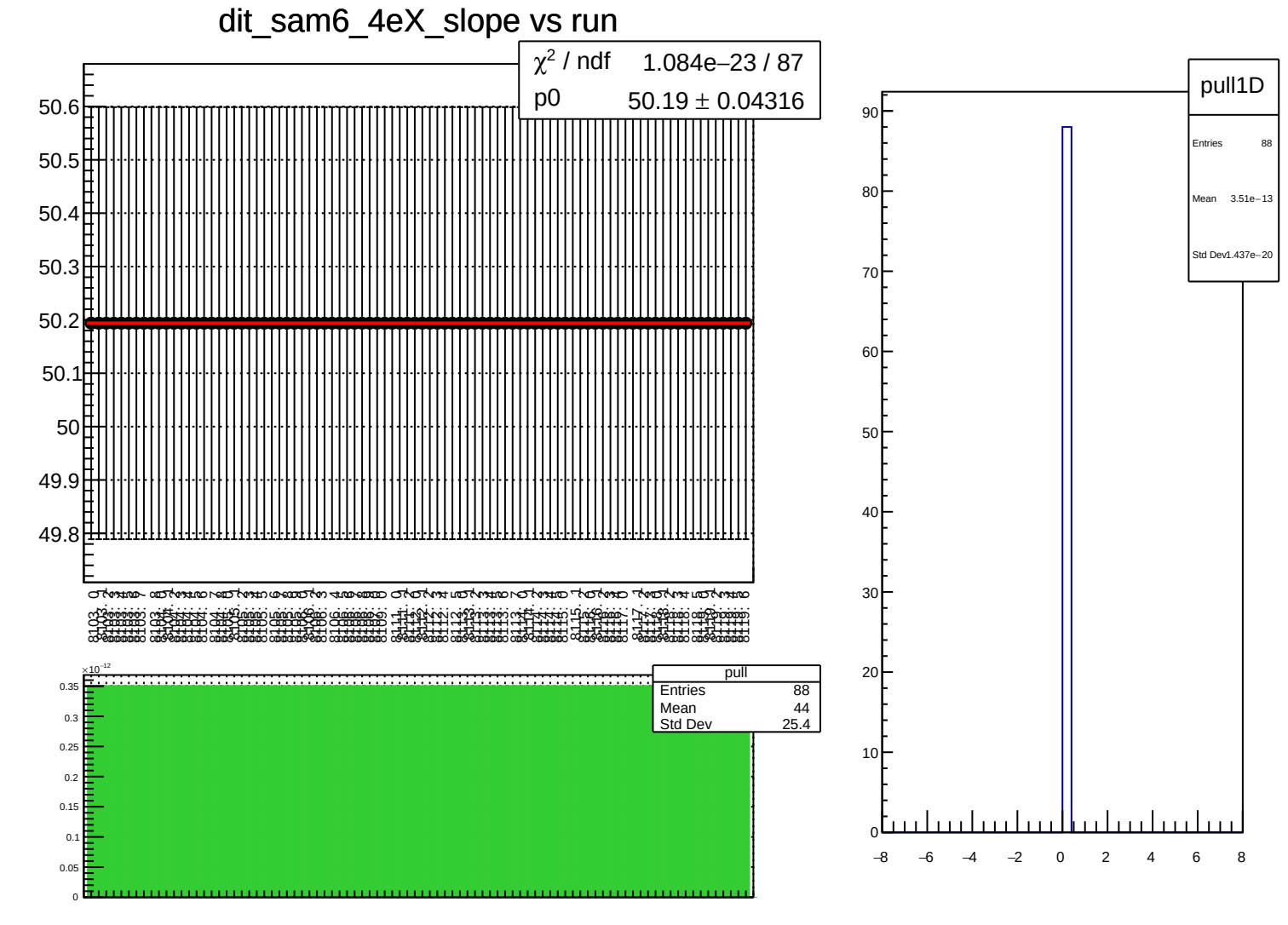

dit_sam5_4eX_slope vs run
χ² / ndf 1.764e−25 / 87
p0 5.278 ± 0.0148
5.4
5.35
5.3
5.25
5.2
5.15
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 88
Mean 4.477e−14
Std Dev 2.16e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

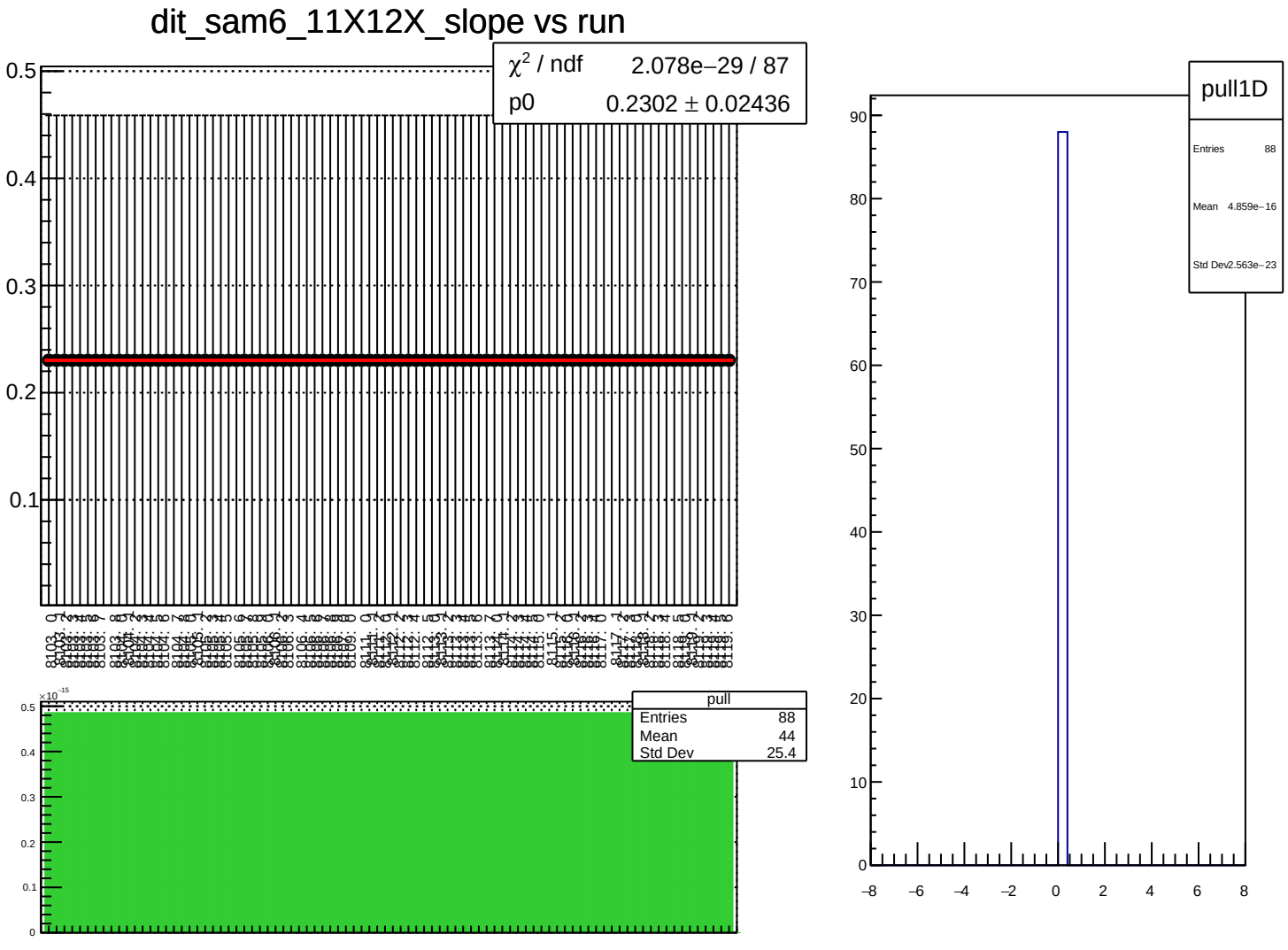

dit_sam5_11X12X_slope vs run
χ^2 / ndf 4.653e−28 / 87
p0 0.101 ± 0.00772
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 2.299e−15
Std Dev 1.323e−22

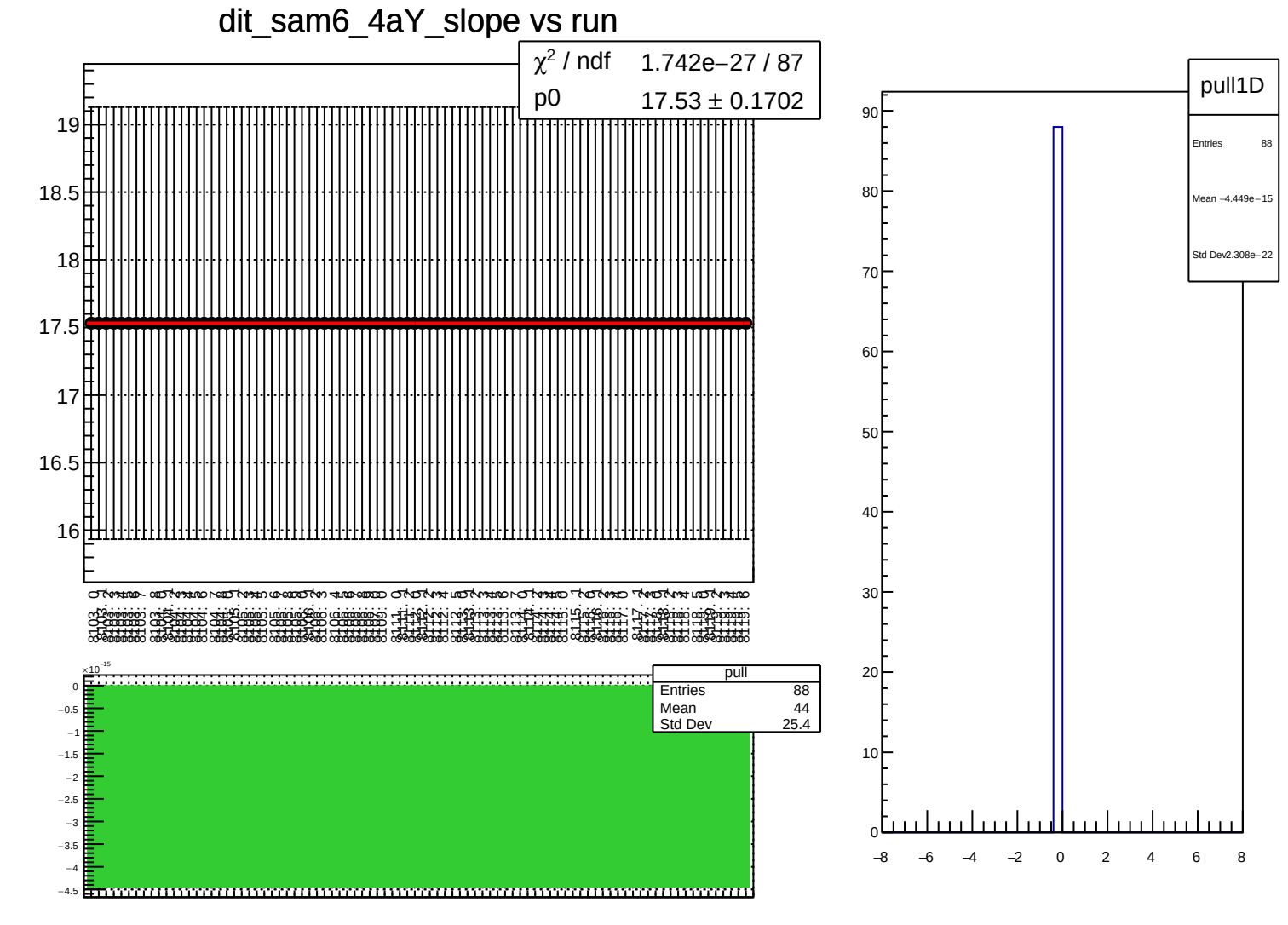

dit_sam5_4aY_slope vs run
χ² / ndf 7.05e−26 / 87
p0 30.76 ± 0.1204
32
31.5
31
30.5
30
29.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 88
Mean 2.831e−14
Std Dev 1.87e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

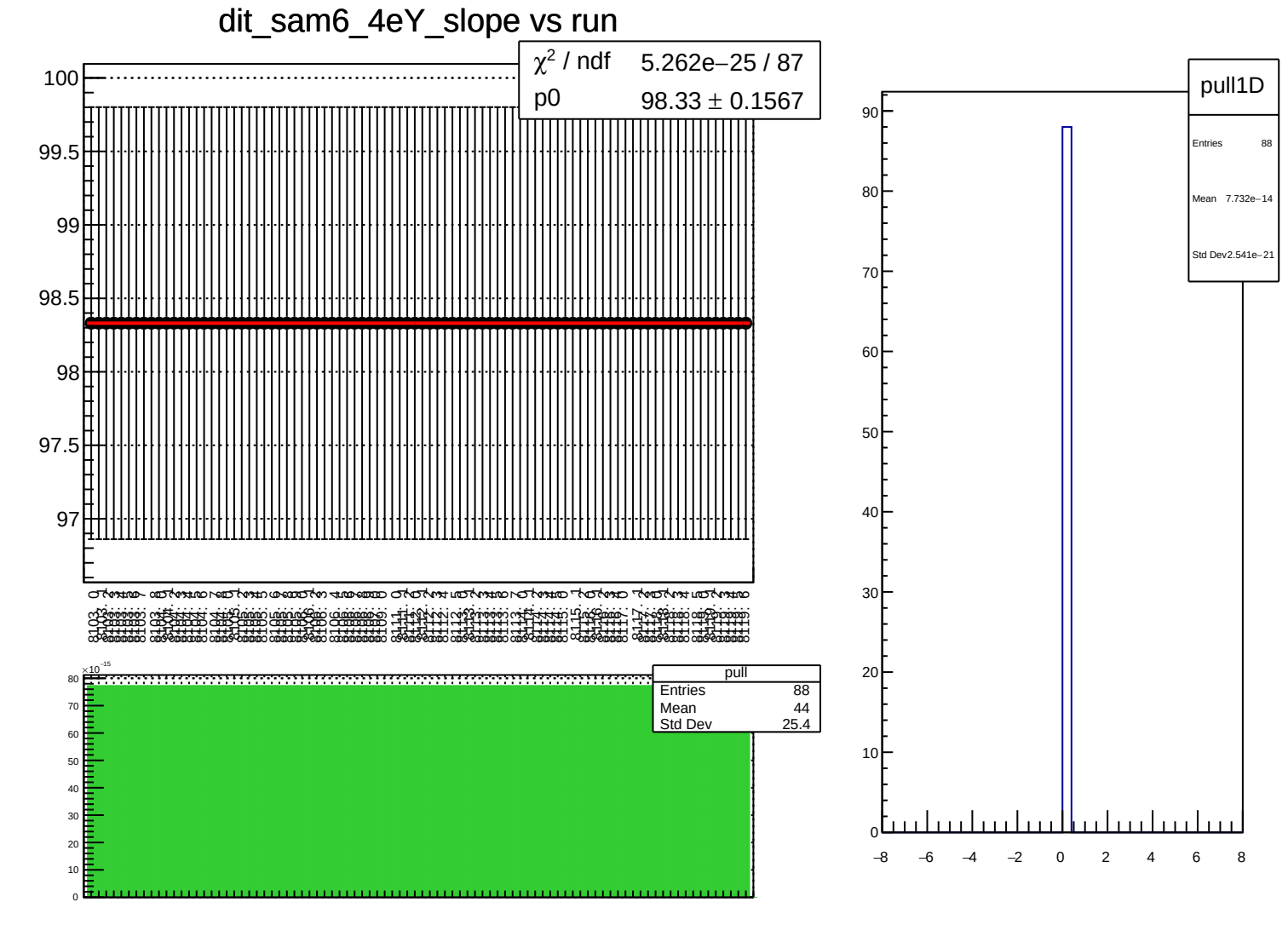

dit_sam5_4eY_slope vs run
χ² / ndf 5.677e−25 / 87
p0 129.2 ± 0.1132
130
129.5
129
128.5
128
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 88
Mean −8.032e−14
Std Dev4.062e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

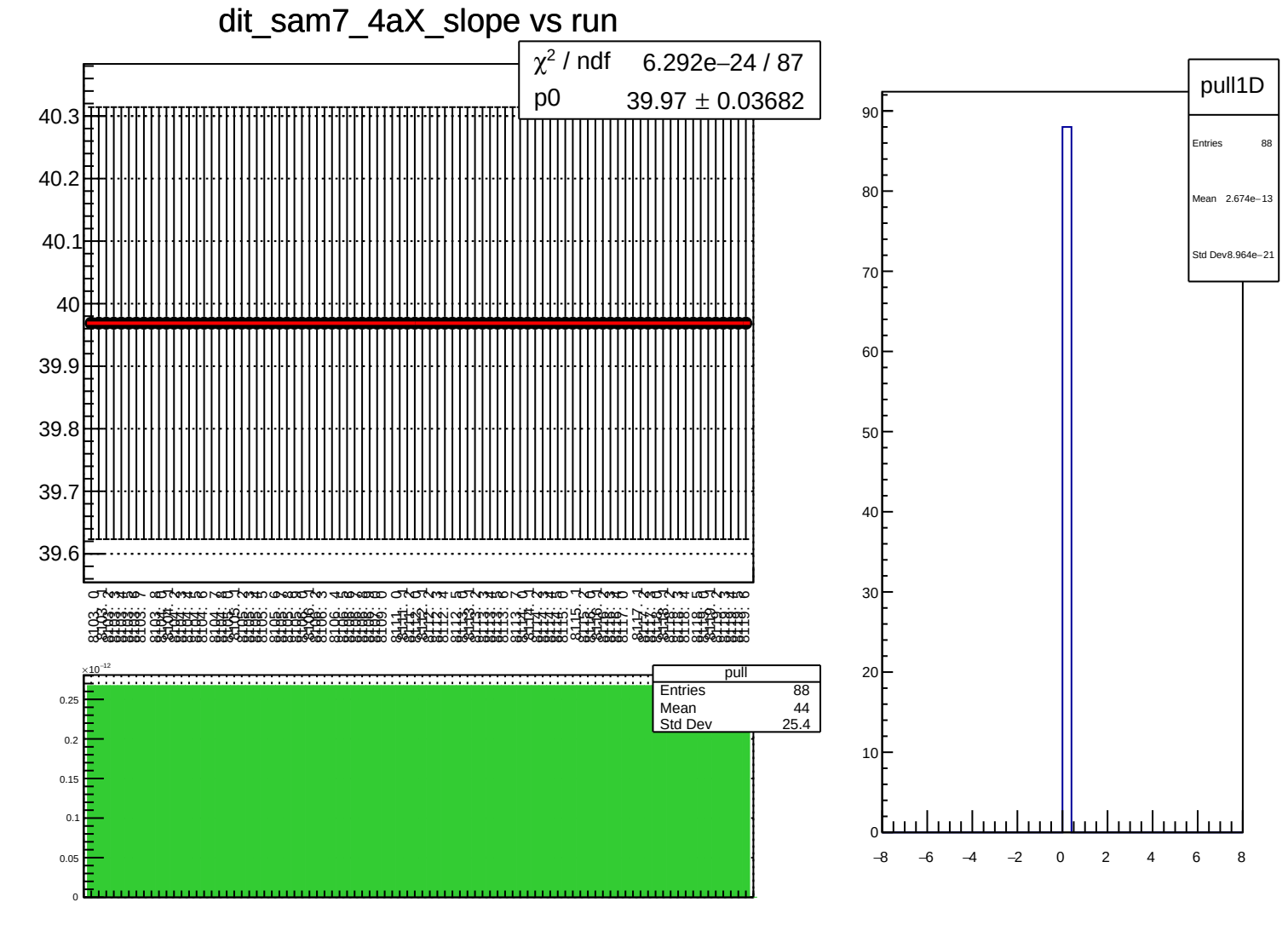

dit_sam6_4aX_slope vs run
χ² / ndf 1.088e−25 / 87
p0 15.03 ± 0.08078
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 3.516e−14
Std Dev2.201e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

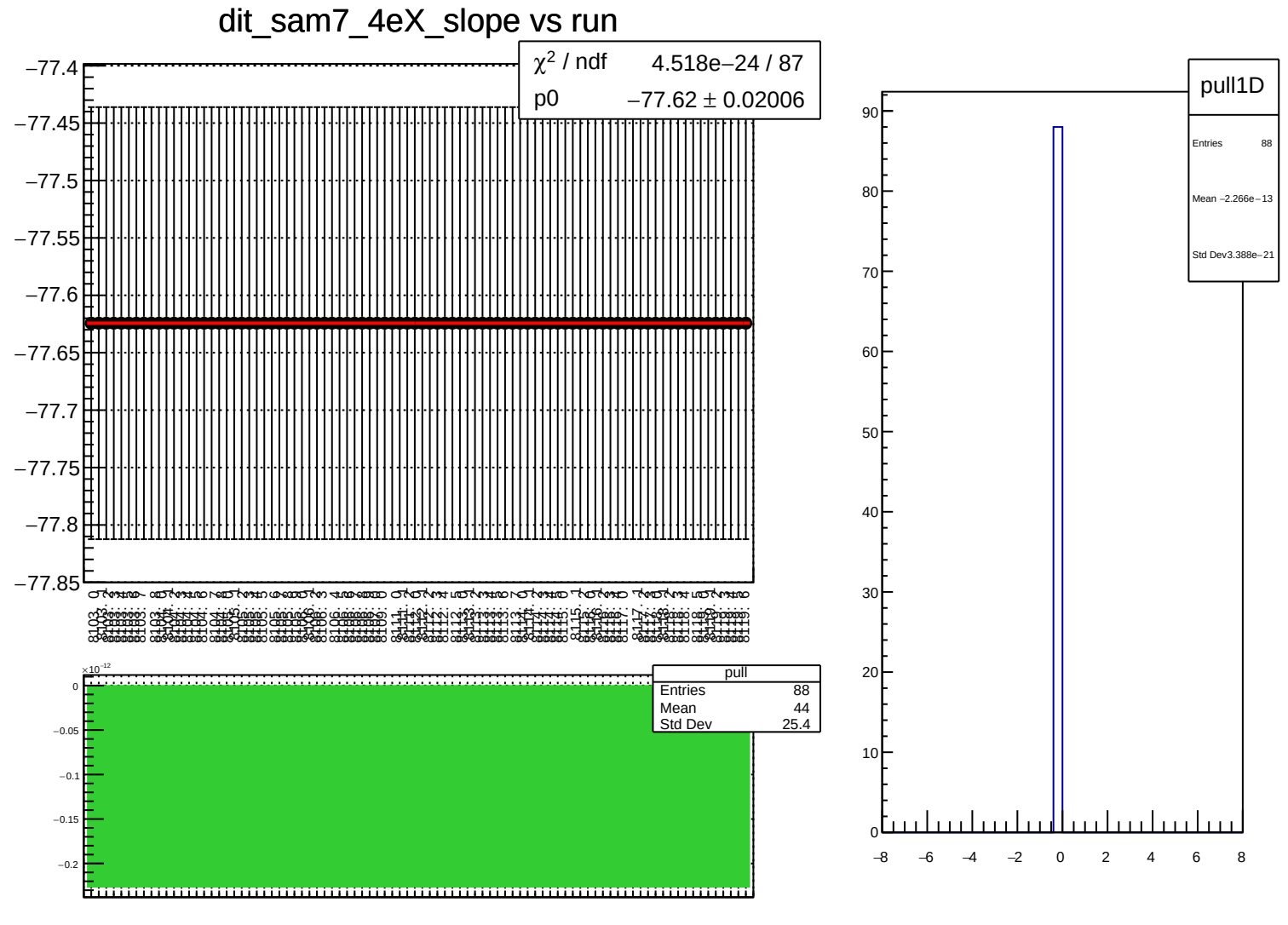

dit_sam6_4eX_slope vs run
χ² / ndf 1.084e−23 / 87
p0 50.19 ± 0.04316
50.6
50.5
50.4
50.3
50.2
50.1
50
49.9
49.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 3.51e−13
Std Dev1.437e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

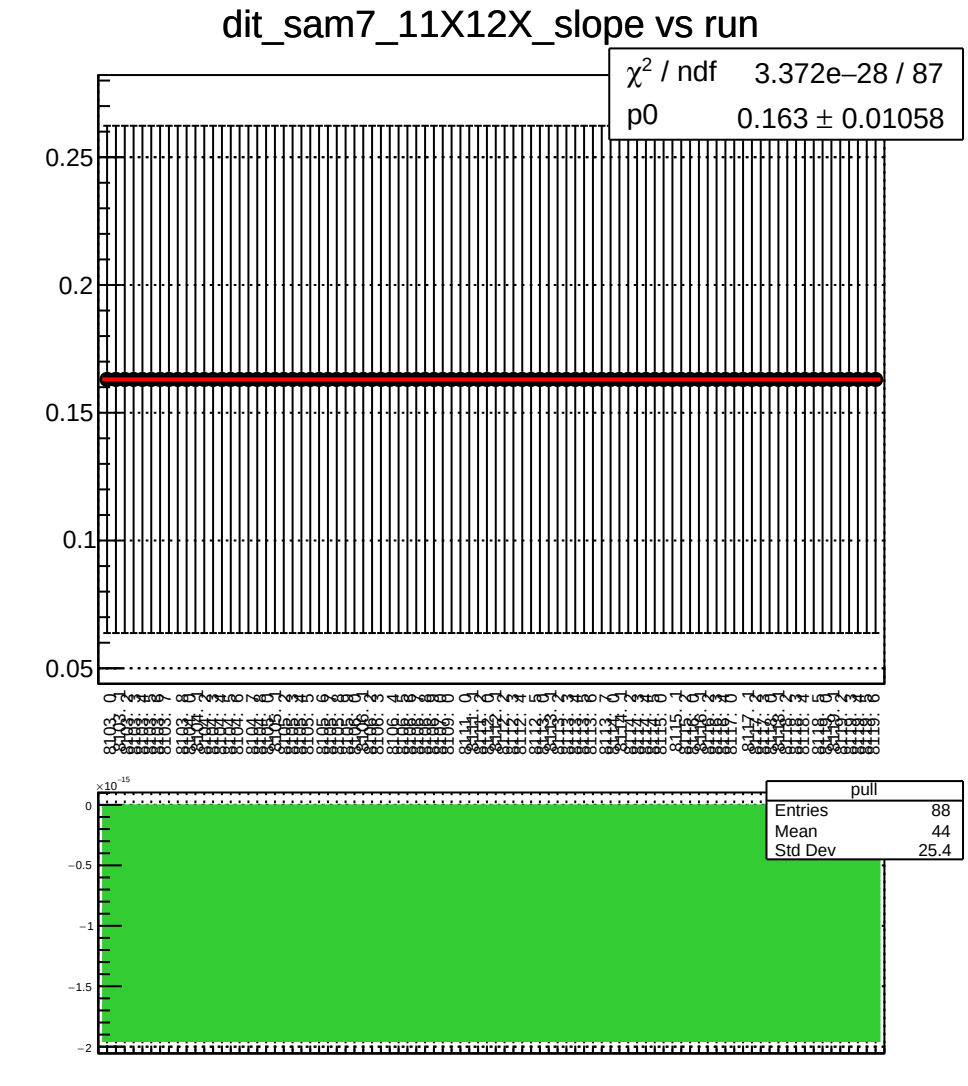

dit_sam6_11X12X_slope vs run
χ² / ndf 2.078e−29 / 87
p0 0.2302 ± 0.02436
0.5
0.4
0.3
0.2
0.1
×10⁻¹⁵
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 4.859e−16
Std Dev 2.563e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

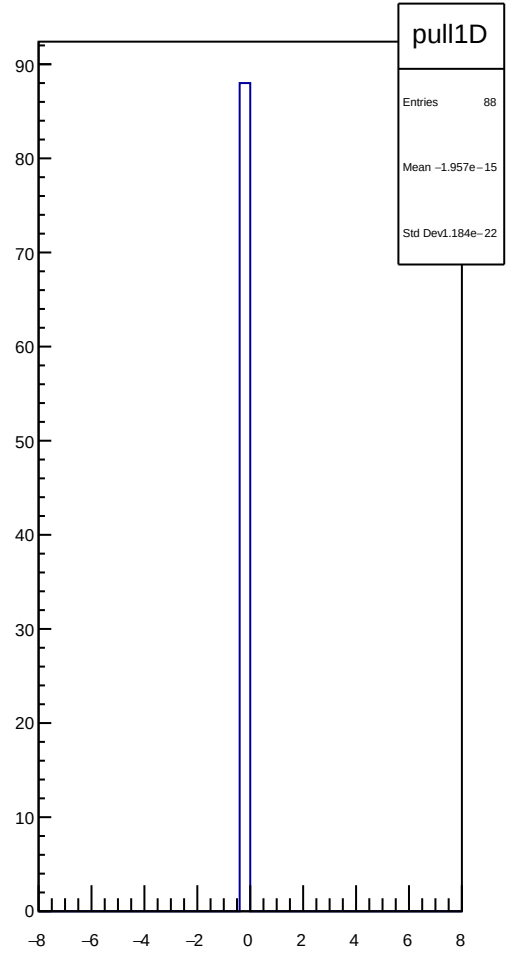

dit_sam6_4aY_slope vs run
χ² / ndf 1.742e−27 / 87
p0 17.53 ± 0.1702
19
18.5
18
17.5
17
16.5
16
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
pull1D
Entries 88
Mean −4.449e−15
Std Dev 2.308e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

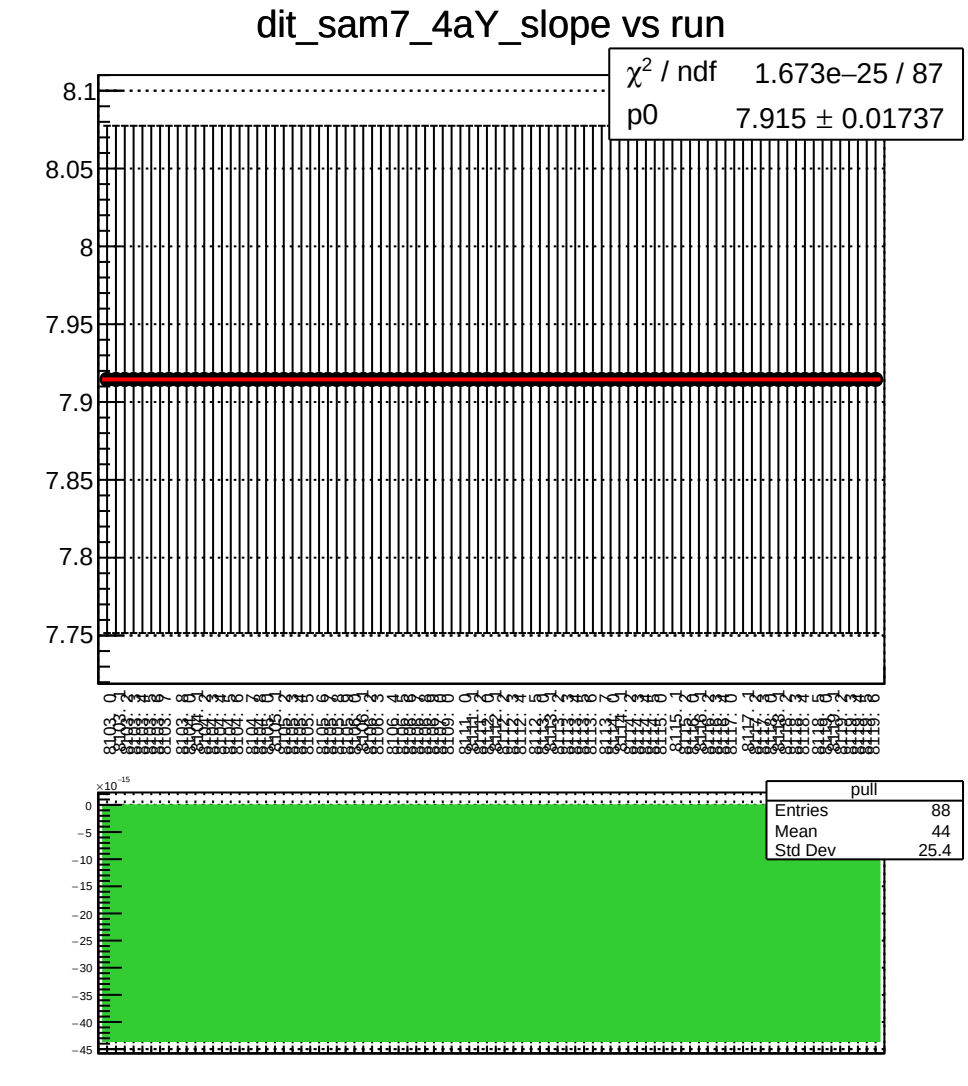

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.262e−25 / 87
p0 98.33 ± 0.1567
100
99.5
99
98.5
98
97.5
97
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull1D
Entries 88
Mean 7.732e−14
Std Dev2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

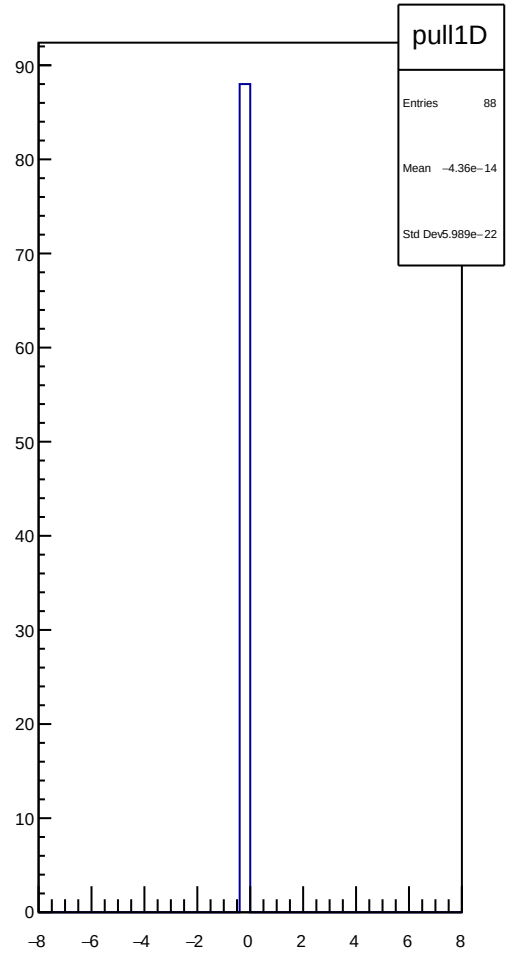

dit_sam7_4aX_slope vs run
χ² / ndf 6.292e−24 / 87
p0 39.97 ± 0.03682
40.3
40.2
40.1
40
39.9
39.8
39.7
39.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 88
Mean 2.674e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

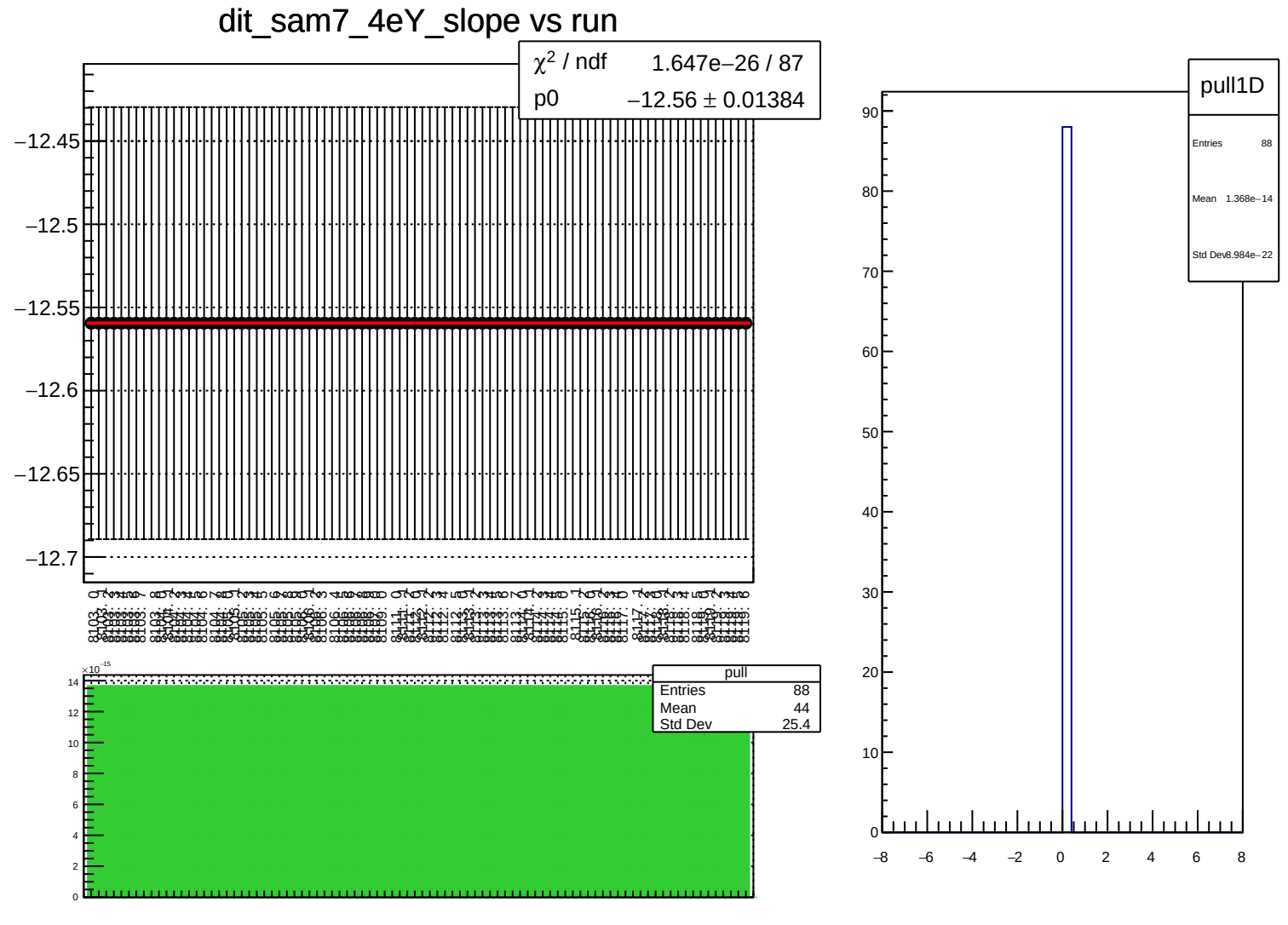

dit_sam7_4eX_slope vs run
χ² / ndf 4.518e−24 / 87
p0 −77.62 ± 0.02006
−77.4
−77.45
−77.5
−77.55
−77.6
−77.65
−77.7
−77.75
−77.8
−77.85
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 88
Mean −2.266e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

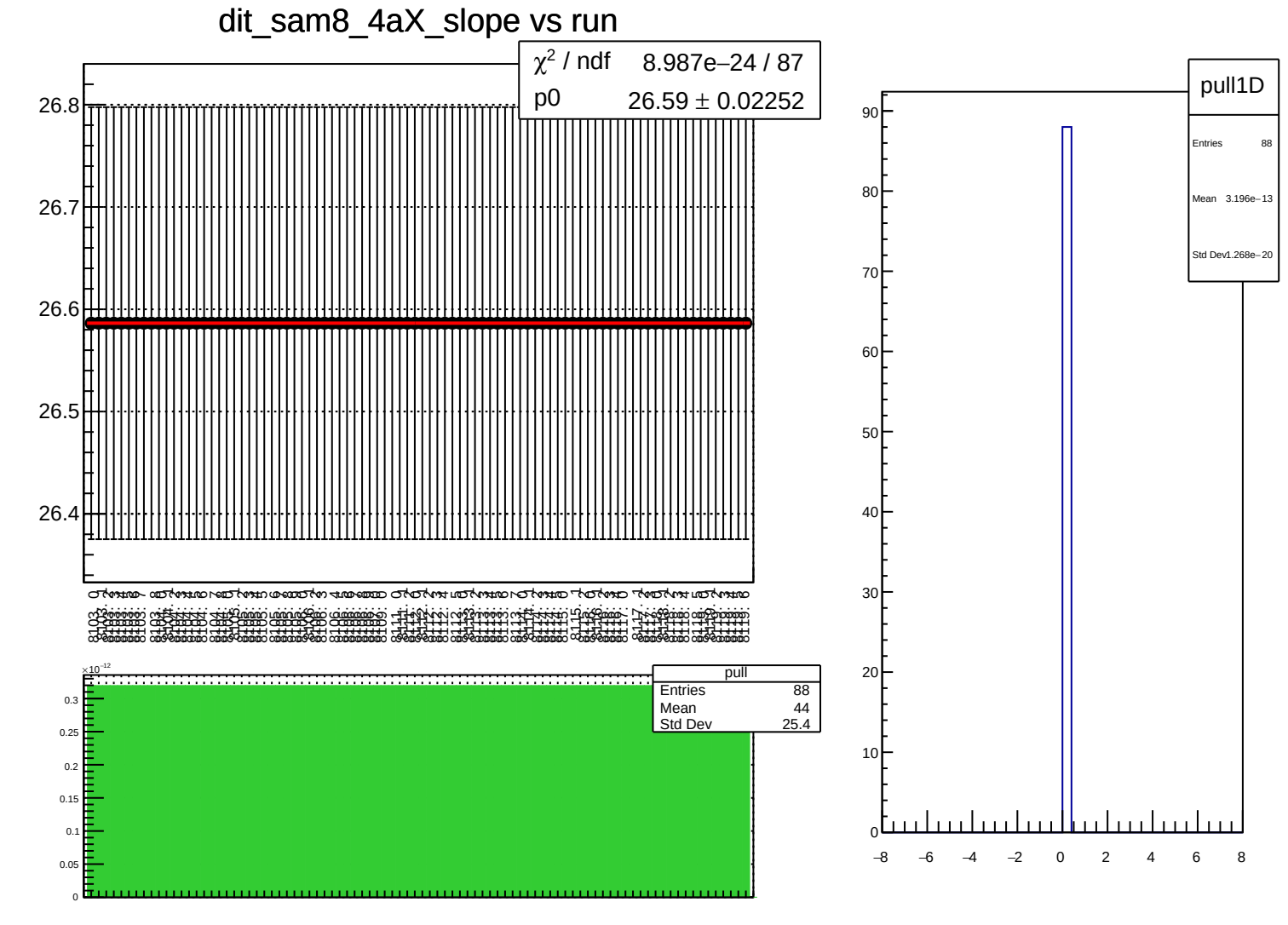

dit_sam7_11X12X_slope vs run
χ² / ndf 3.372e−28 / 87
p0 0.163 ± 0.01058
0.25
0.2
0.15
0.1
0.05
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

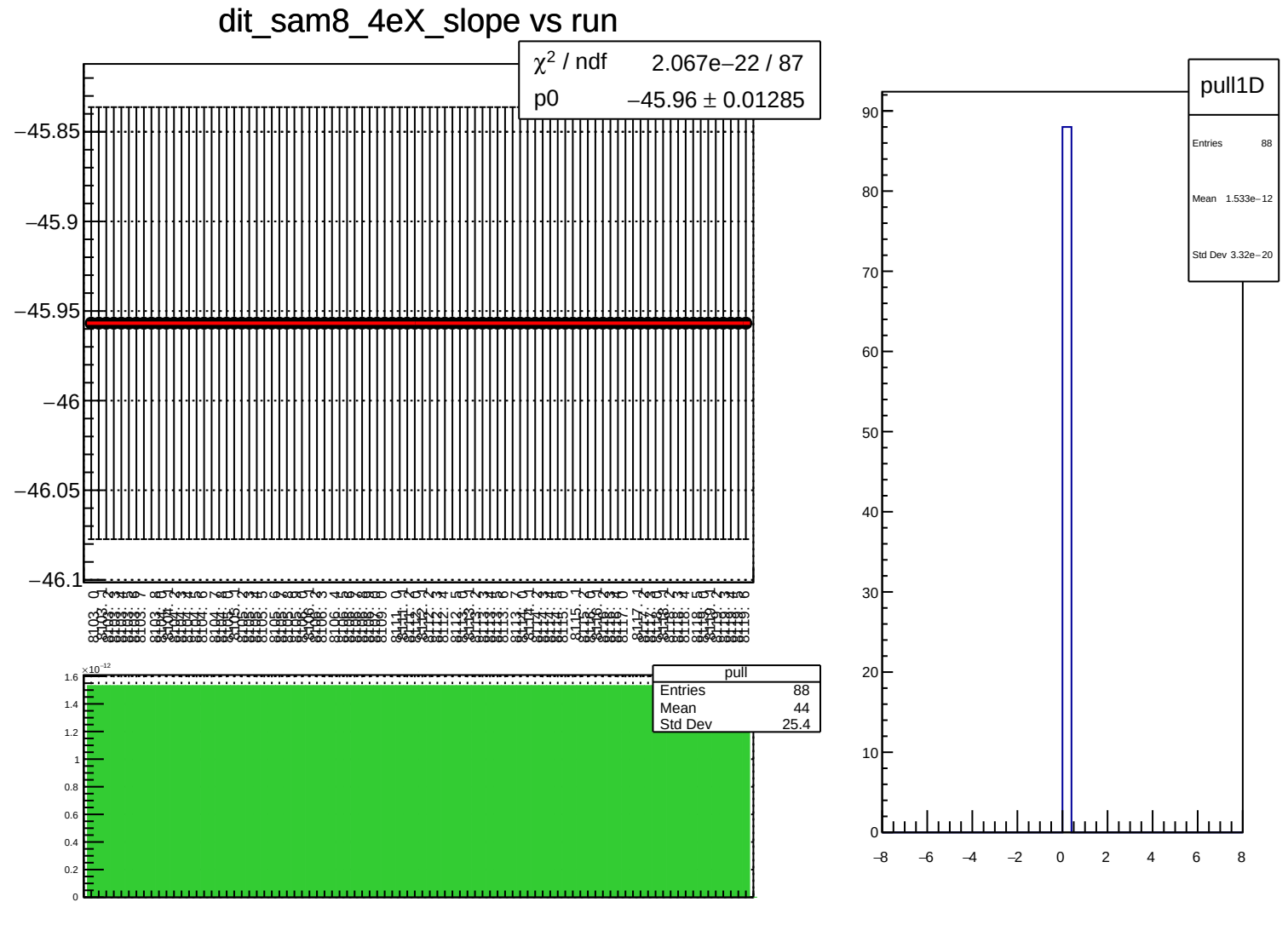

pull1D
Entries 88
Mean −1.957e−15
Std Dev1.184e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

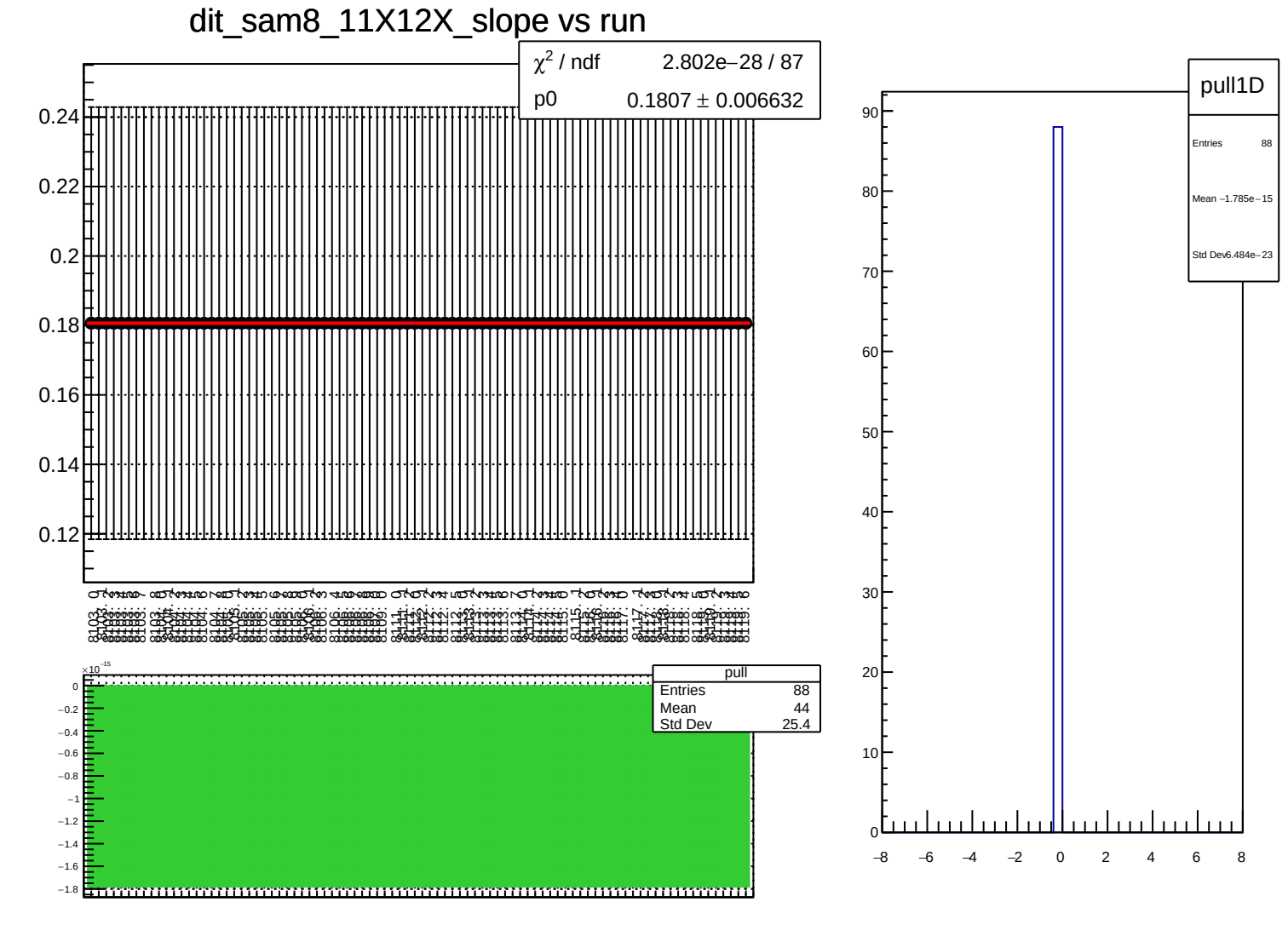

dit_sam7_4aY_slope vs run
χ² / ndf 1.673e−25 / 87
p0 7.915 ± 0.01737
8.1
8.05
8
7.95
7.9
7.85
7.8
7.75
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

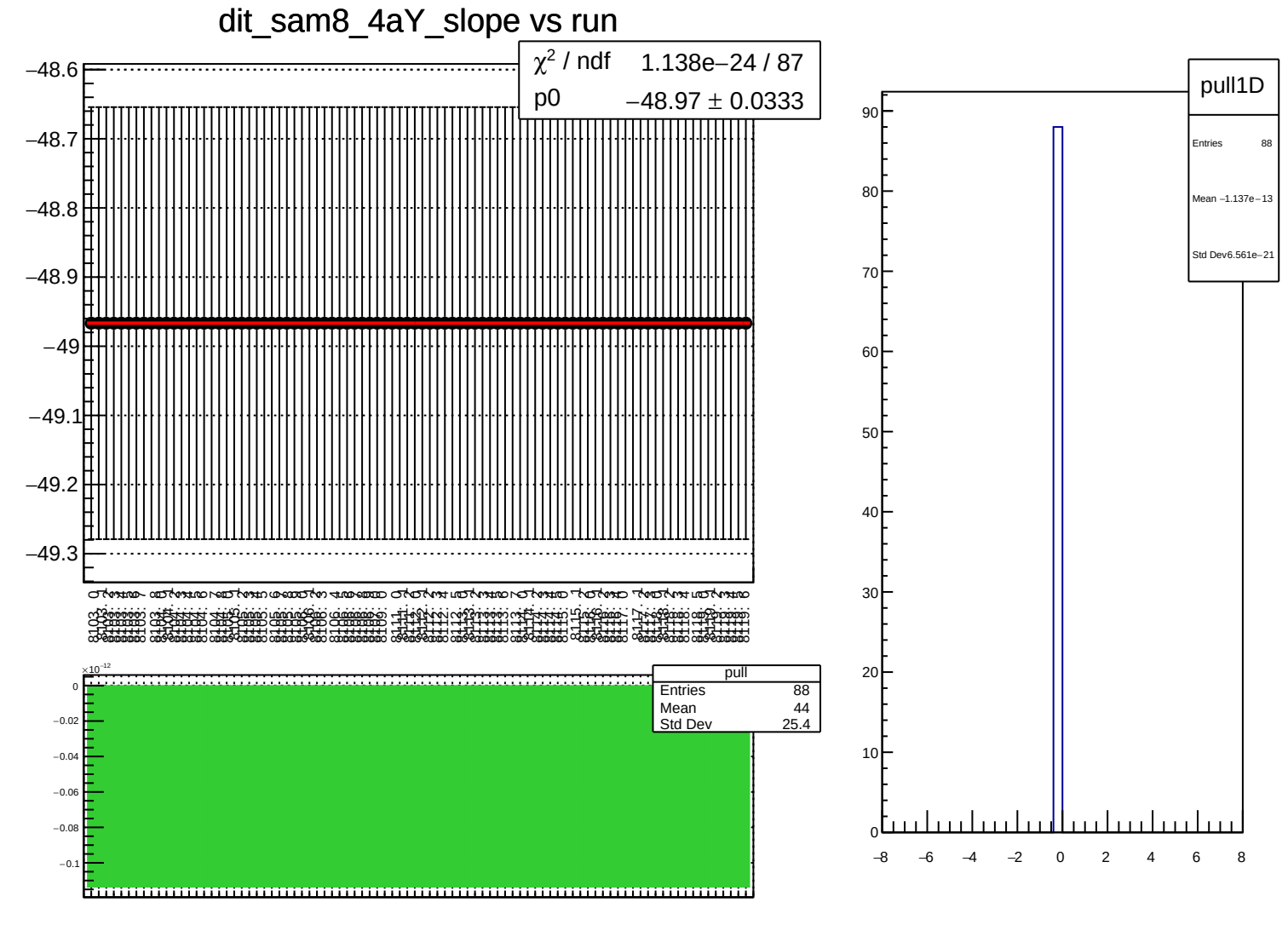

pull1D
Entries 88
Mean −4.36e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

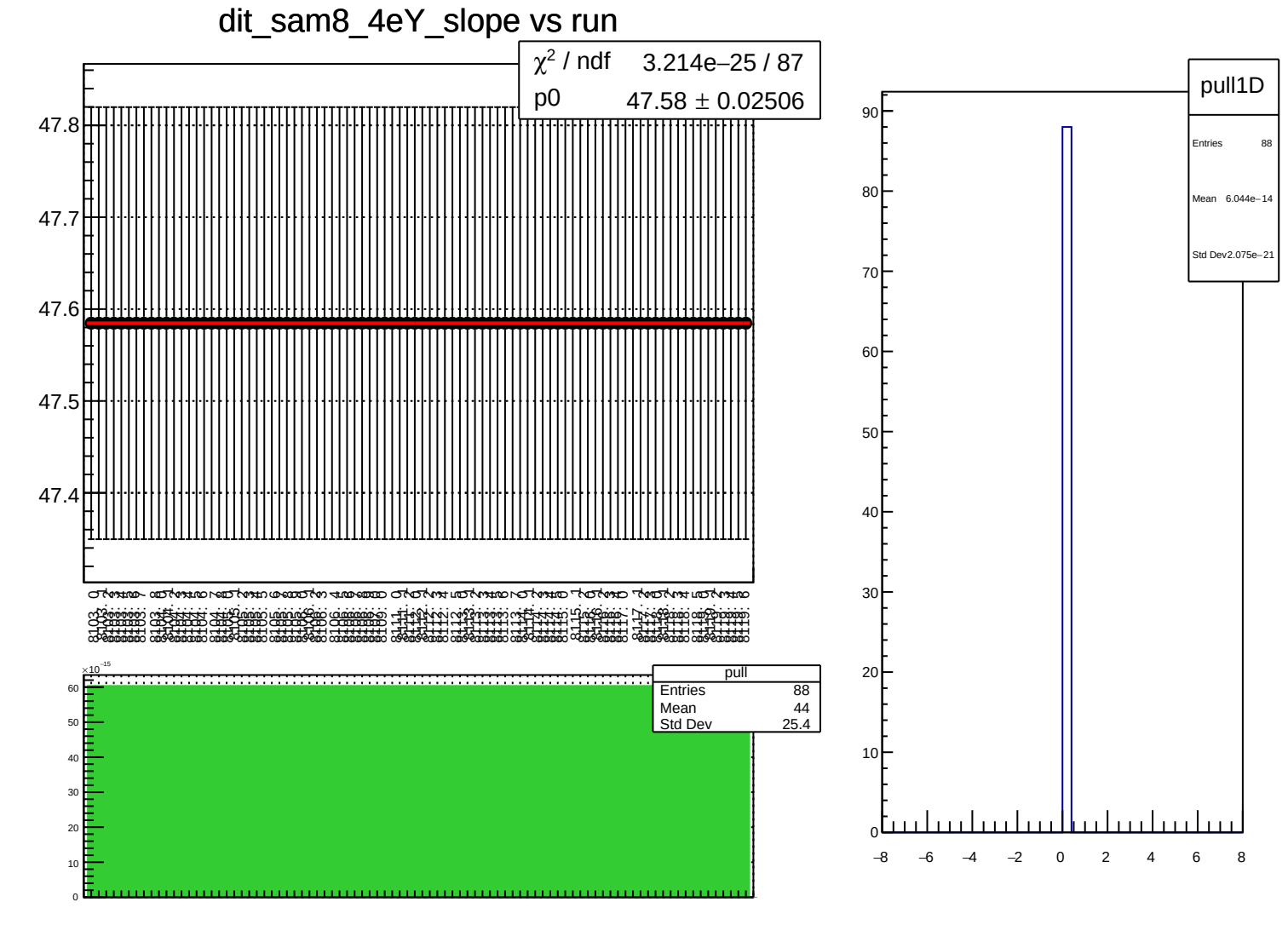

dit_sam7_4eY_slope vs run
χ² / ndf 1.647e−26 / 87
p0 −12.56 ± 0.01384
−12.45
−12.5
−12.55
−12.6
−12.65
−12.7
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 1.368e−14
Std Dev 8.984e−22

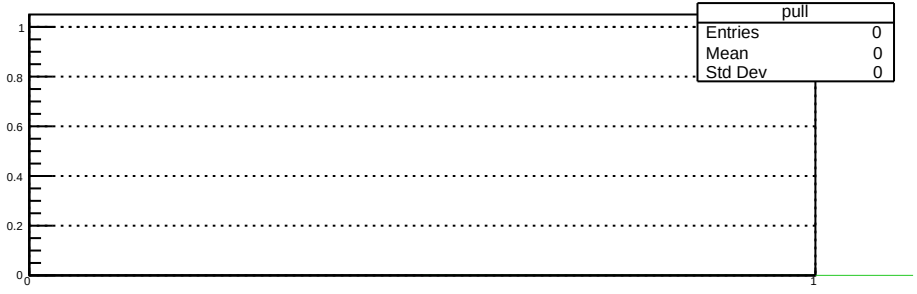

dit_sam8_4aX_slope vs run
χ² / ndf 8.987e−24 / 87
p0 26.59 ± 0.02252
26.8
26.7
26.6
26.5
26.4
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 3.196e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

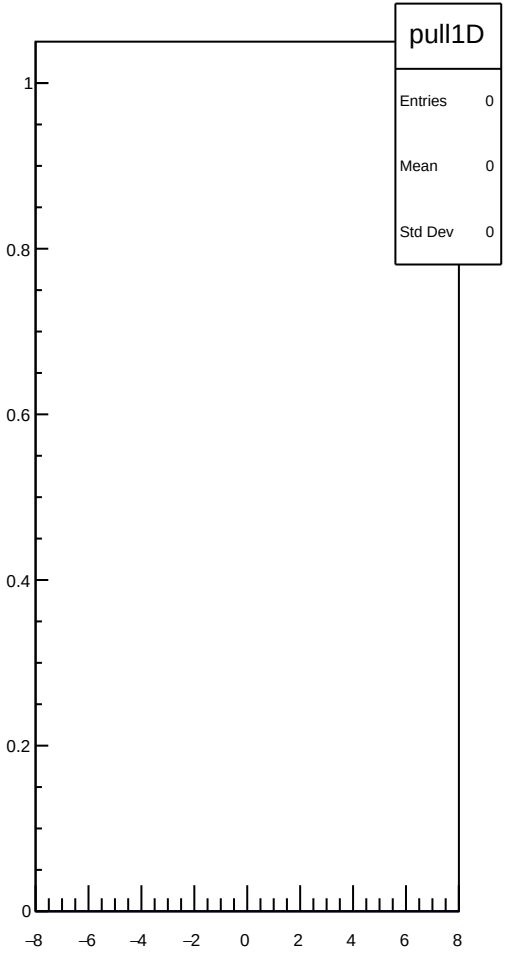

dit_sam8_4eX_slope vs run
χ² / ndf 2.067e−22 / 87
p0 −45.96 ± 0.01285
−45.85
−45.9
−45.95
−46
−46.05
−46.1
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 88
Mean 1.533e−12
Std Dev 3.32e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

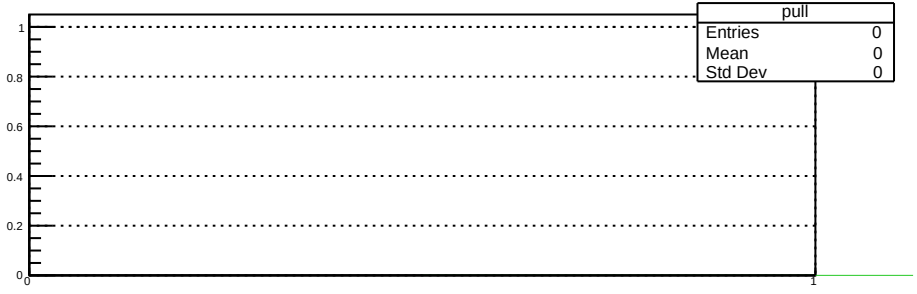

dit_sam8_11X12X_slope vs run
χ² / ndf 2.802e−28 / 87
p0 0.1807 ± 0.006632
0.24
0.22
0.2
0.18
0.16
0.14
0.12
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
pull1D
Entries 88
Mean −1.785e−15
Std Dev 6.484e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

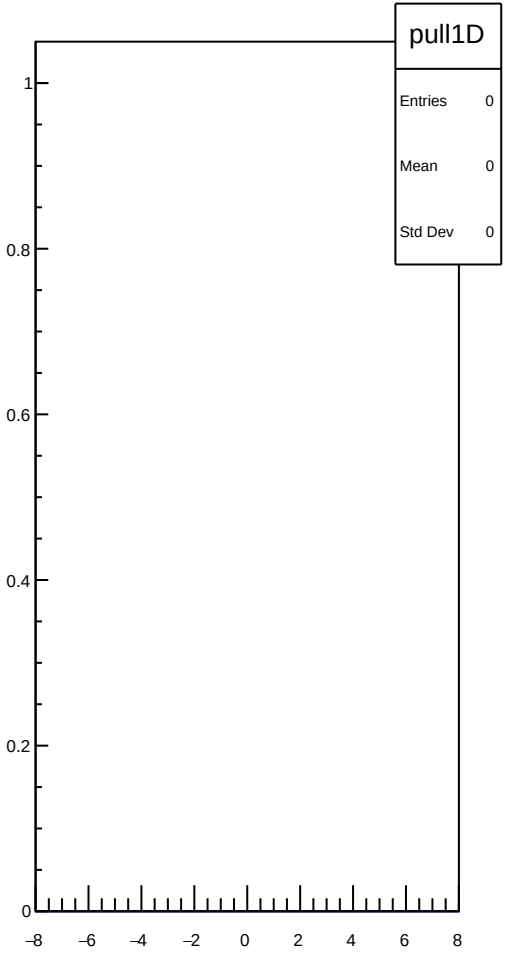

dit_sam8_4aY_slope vs run
χ^2 / ndf 1.138e−24 / 87
p0 −48.97 ± 0.0333
−48.6
−48.7
−48.8
−48.9
−49
−49.1
−49.2
−49.3
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 88
Mean −1.137e−13
Std Dev6.561e−21
90
80
70
60
50
40
30
20
10
0
−8
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−4
−2
0
2
4
6
8

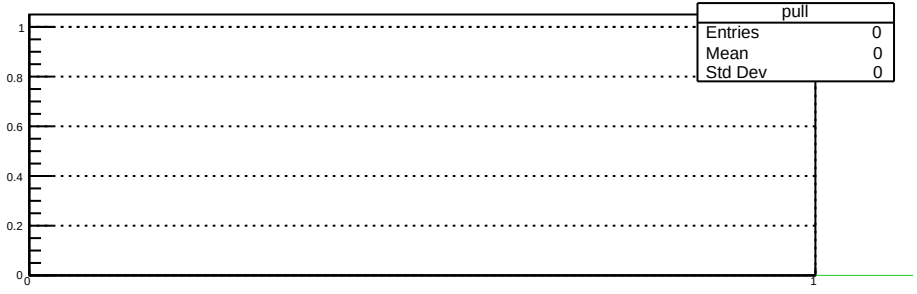

dit_sam8_4eY_slope vs run
χ² / ndf 3.214e−25 / 87
p0 47.58 ± 0.02506
47.8
47.7
47.6
47.5
47.4
×10⁻¹⁵
pull
Entries 88
Mean 44
Std Dev 25.4
pull1D
Entries 88
Mean 6.044e−14
Std Dev2.075e−21

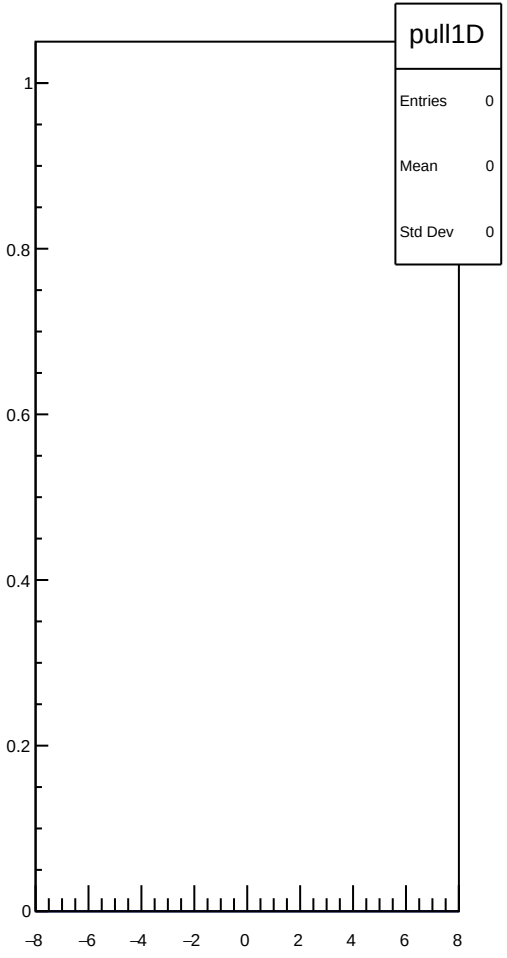

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

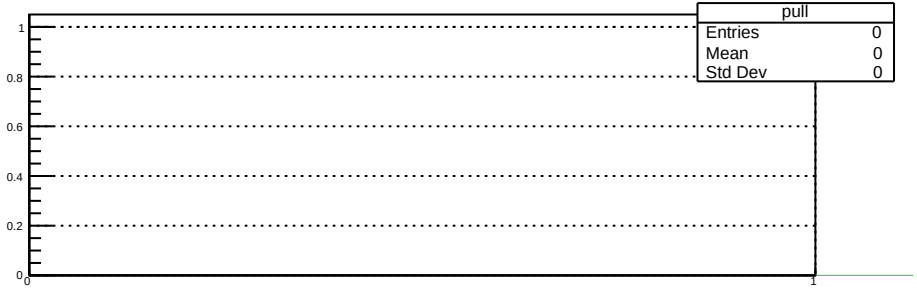

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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–2
0
2
4
6
8

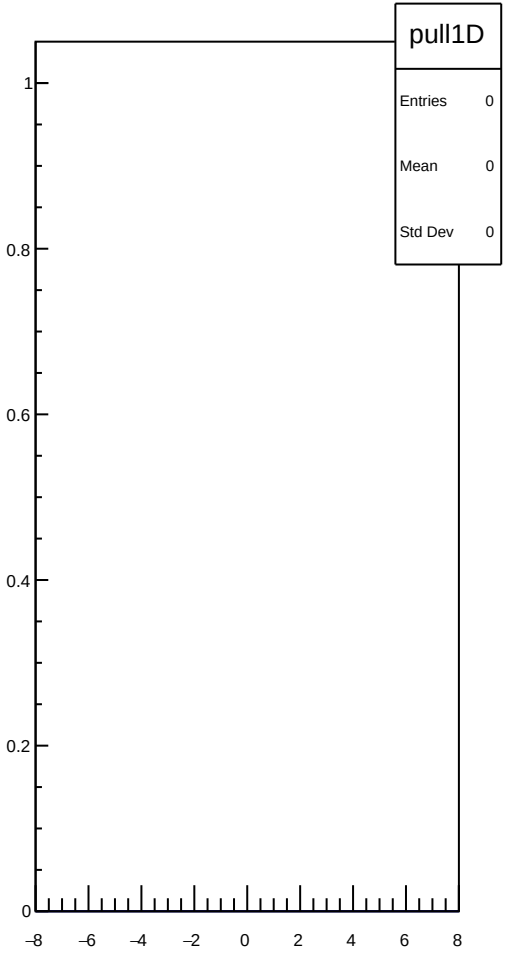

pull
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Mean 0
Std Dev 0
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0.6
0.4
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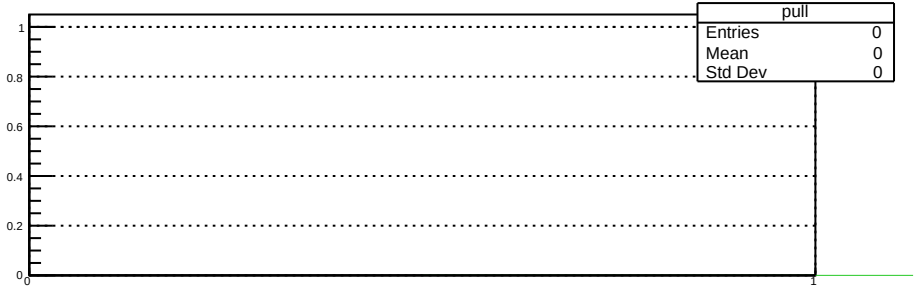

pull1D
Entries 0
Mean 0
Std Dev 0
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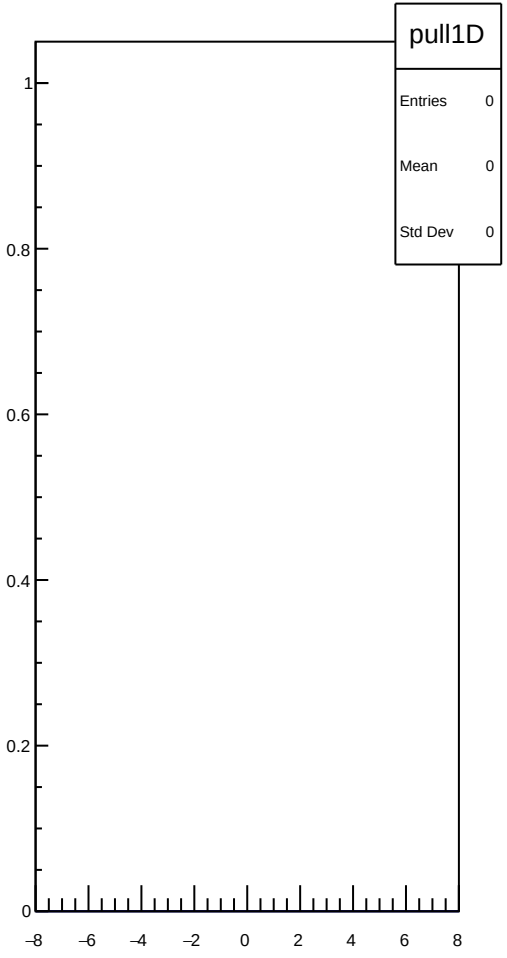

pull
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Mean 0
Std Dev 0
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0.6
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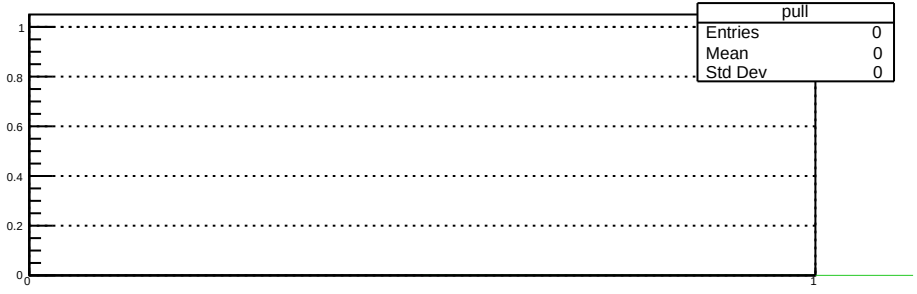

pull1D
Entries 0
Mean 0
Std Dev 0
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6
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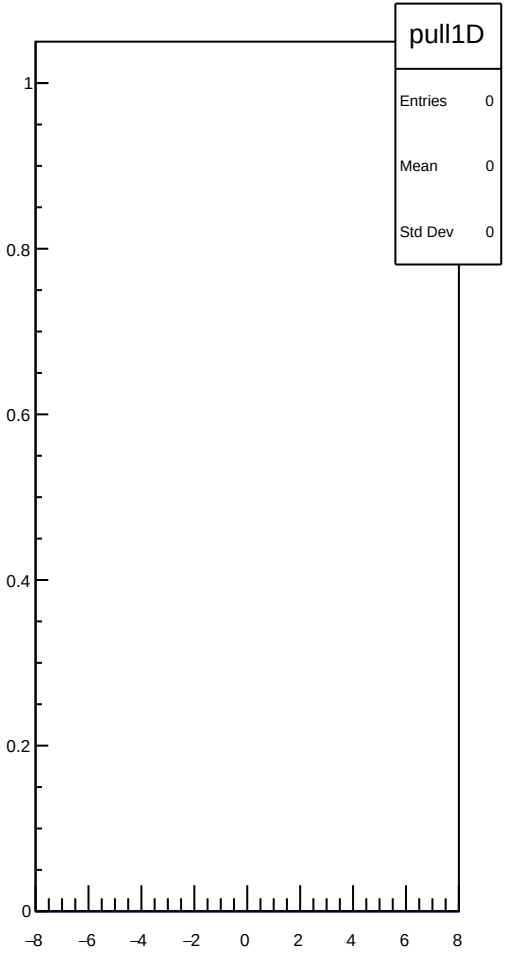

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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0
0
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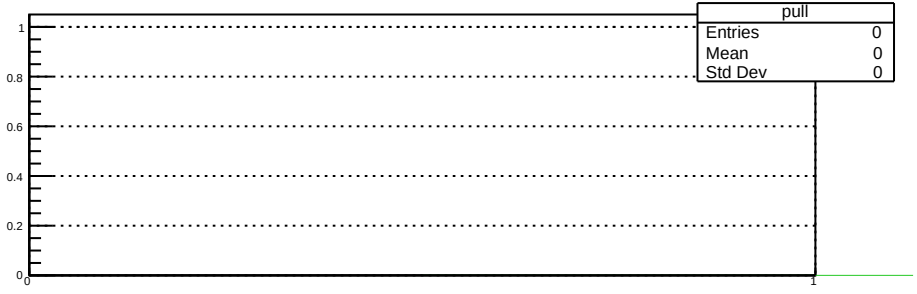

pull1D
Entries 0
Mean 0
Std Dev 0
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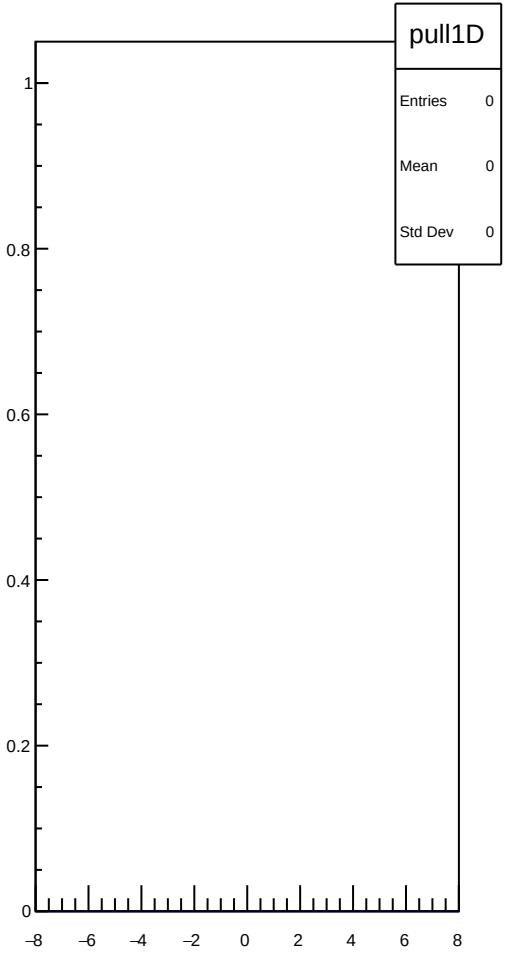

pull
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Std Dev 0
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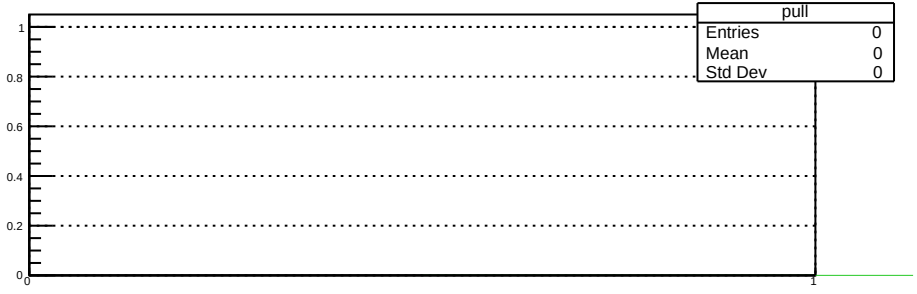

pull1D
Entries 0
Mean 0
Std Dev 0
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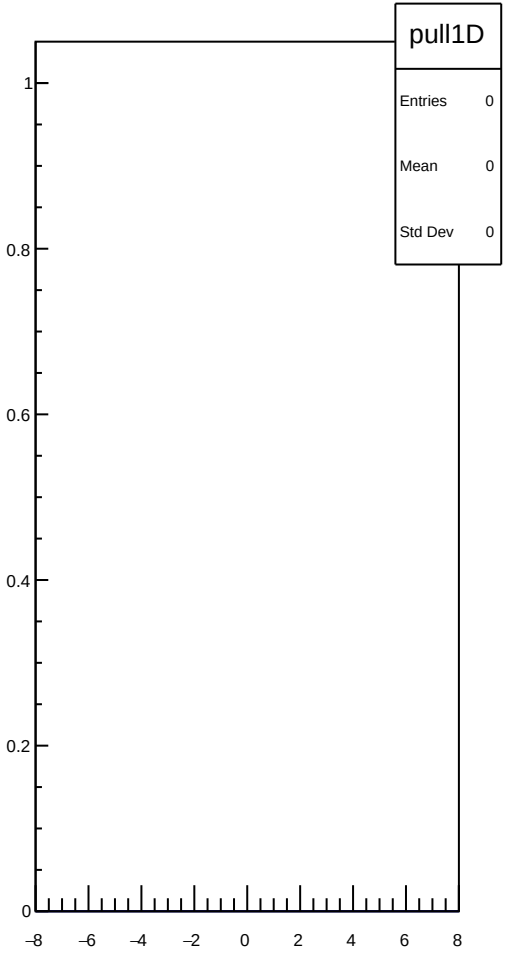

pull
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Std Dev 0
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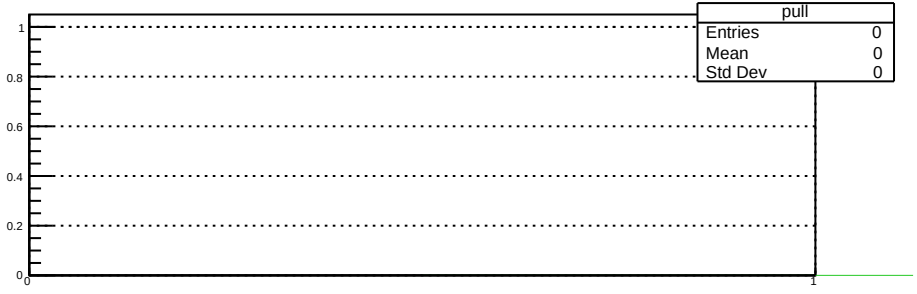

pull1D
Entries 0
Mean 0
Std Dev 0
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6
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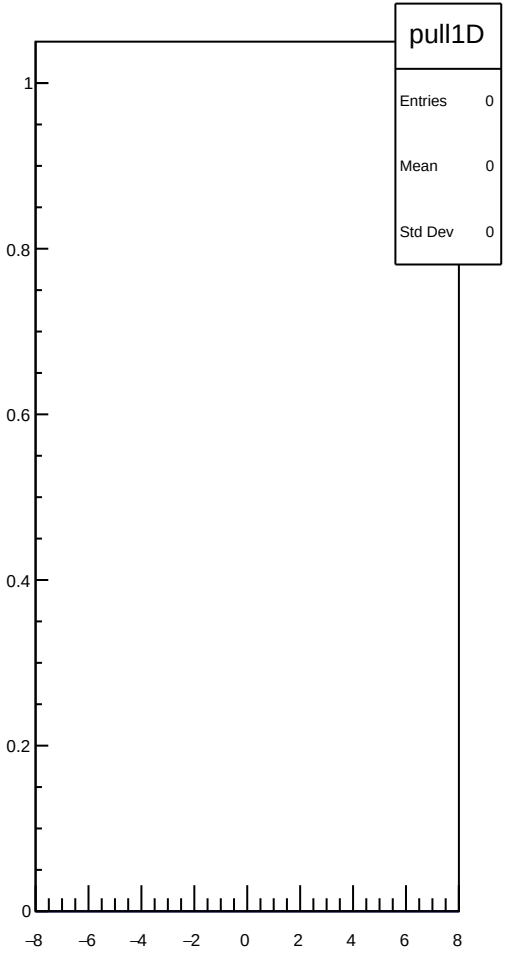

pull
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Std Dev 0
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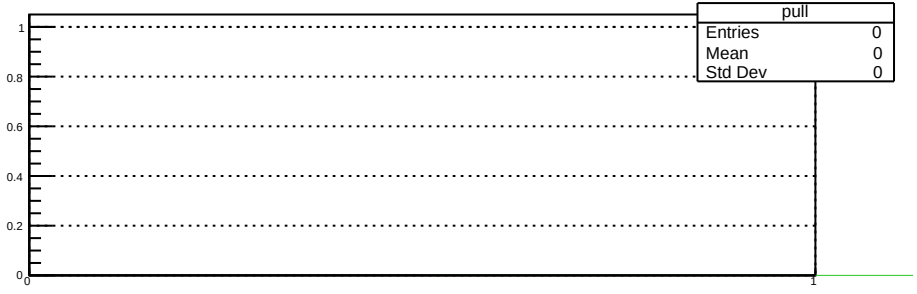

pull1D
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Std Dev 0
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0.4
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6
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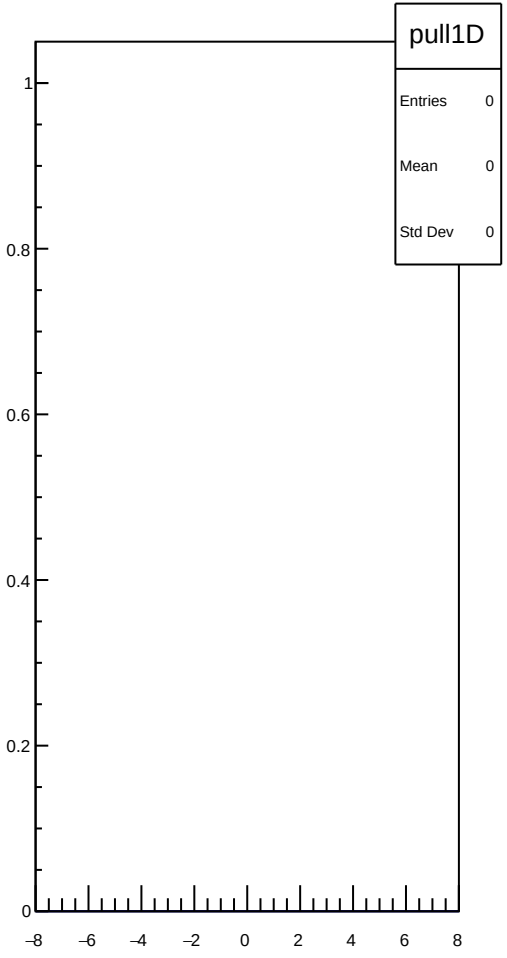

pull
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Std Dev 0
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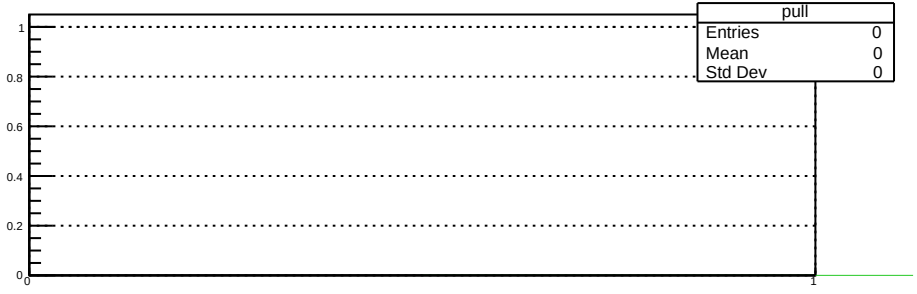

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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6
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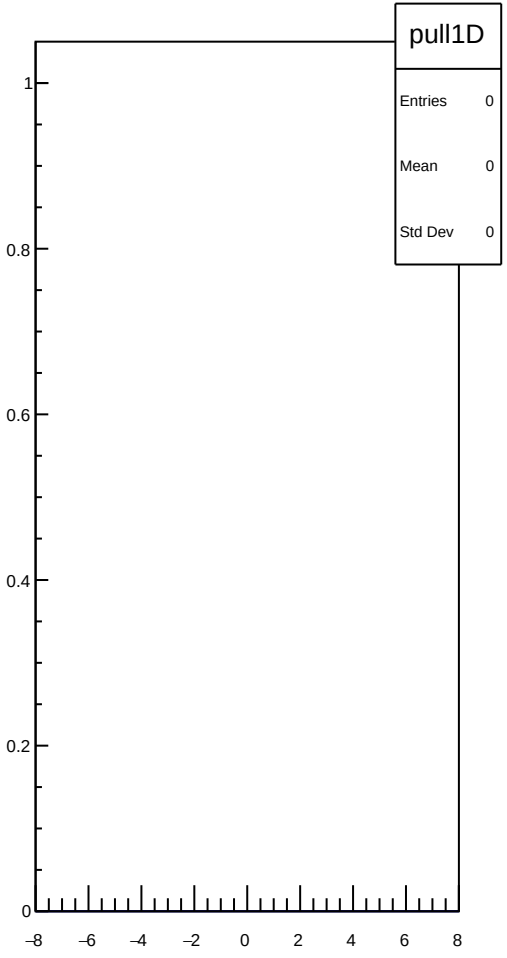

pull
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Std Dev 0
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0.6
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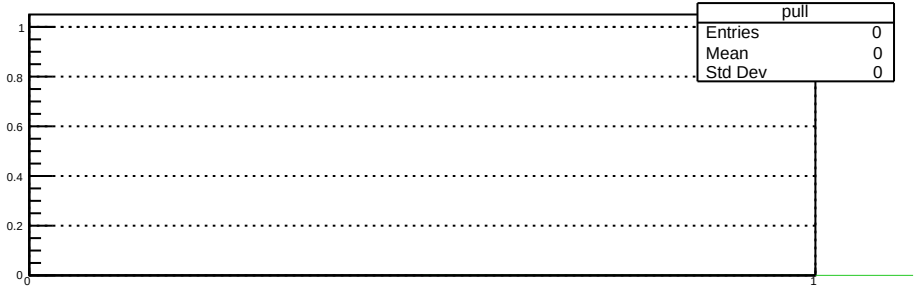

pull1D
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Mean 0
Std Dev 0
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0.4
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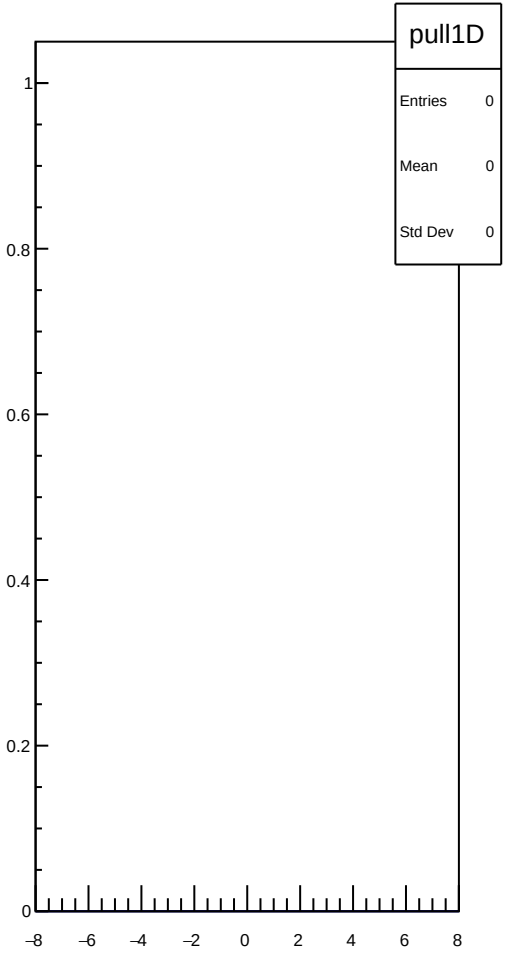

pull
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Std Dev 0
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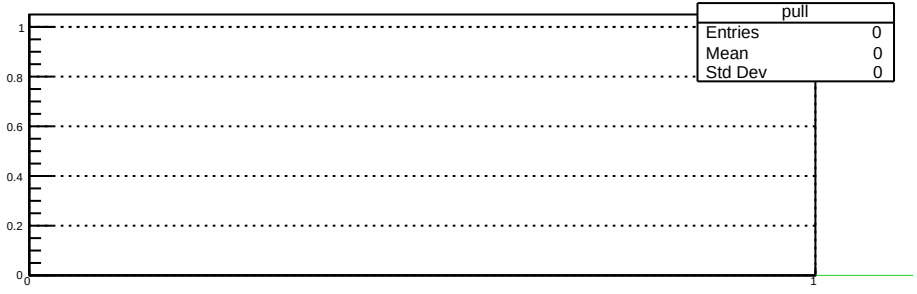

pull1D
Entries 0
Mean 0
Std Dev 0
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0.4
0.2
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6
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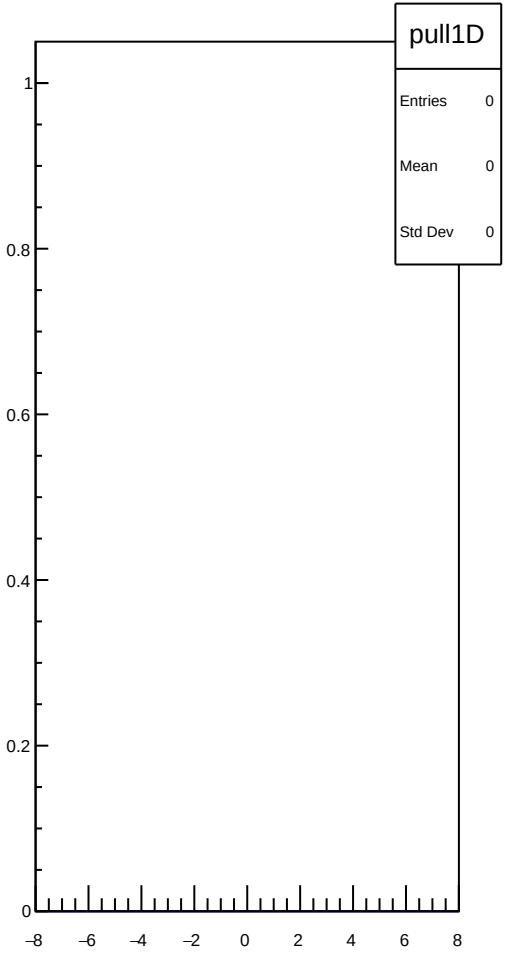

pull
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Mean 0
Std Dev 0
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0.6
0.4
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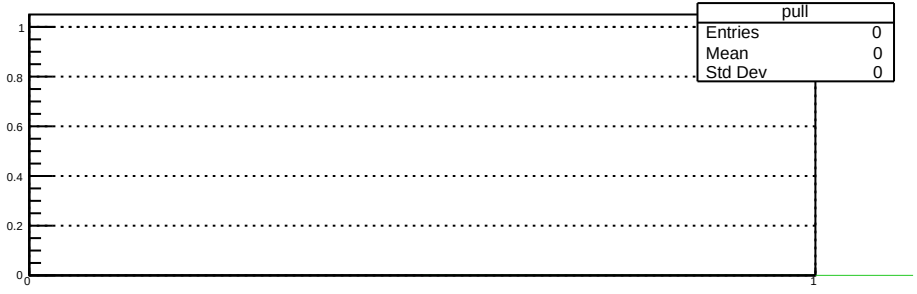

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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6
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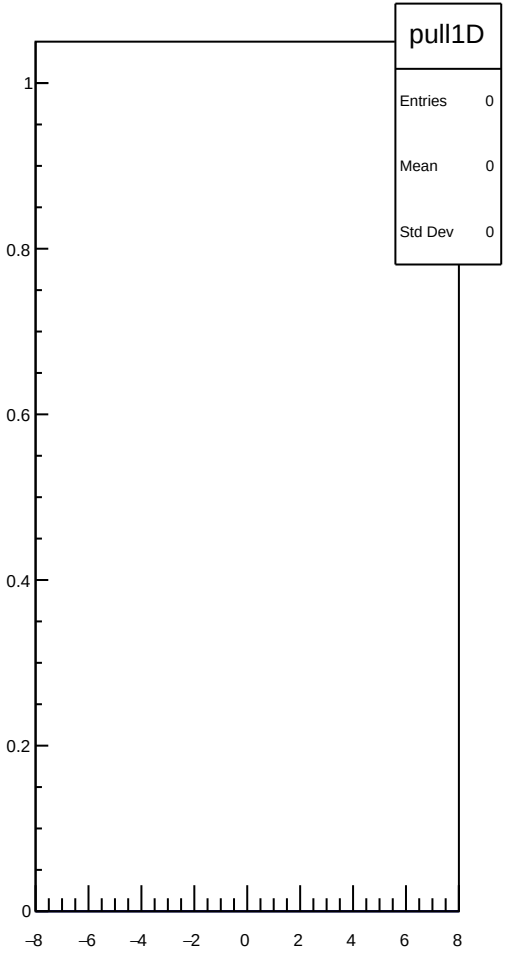

pull
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Std Dev 0
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0.6
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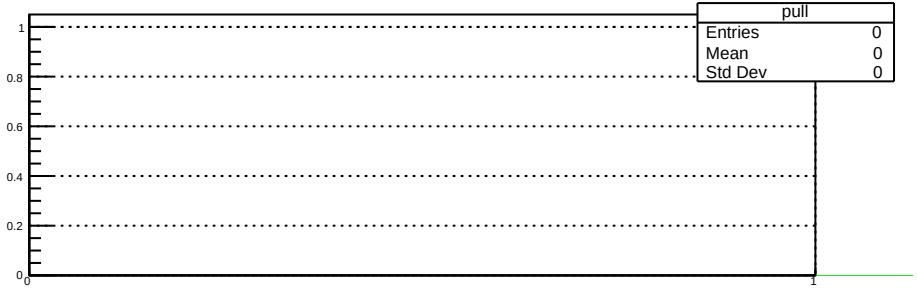

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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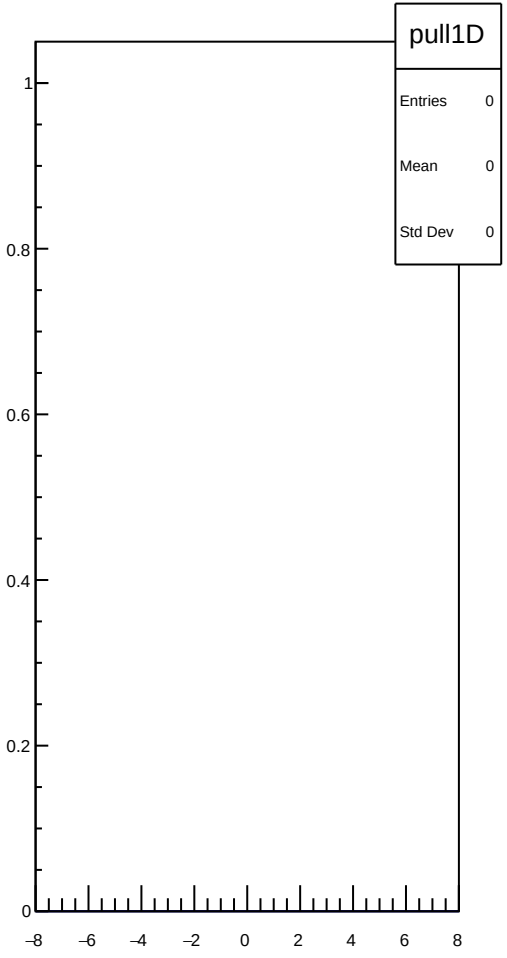

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
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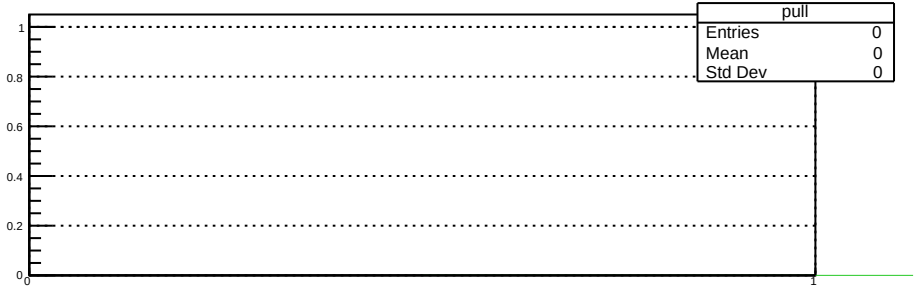

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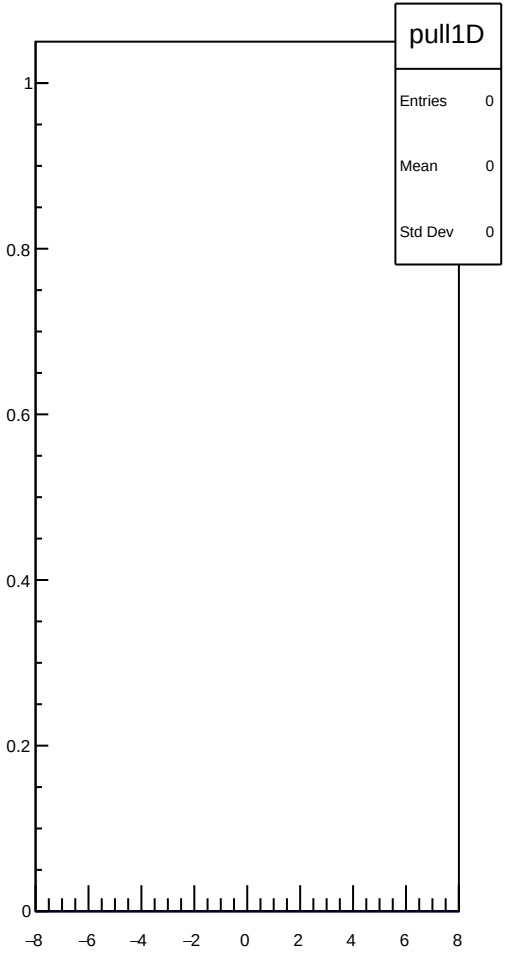

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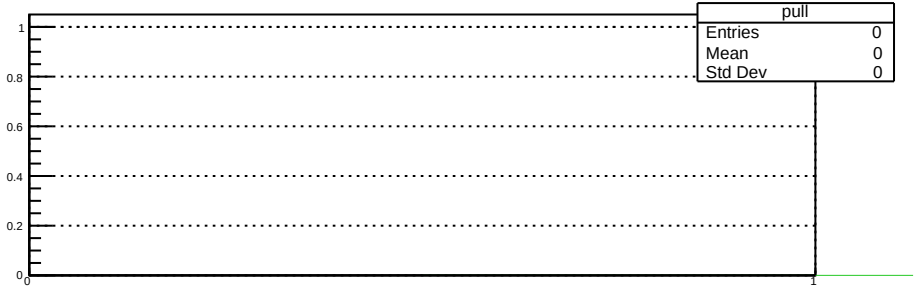

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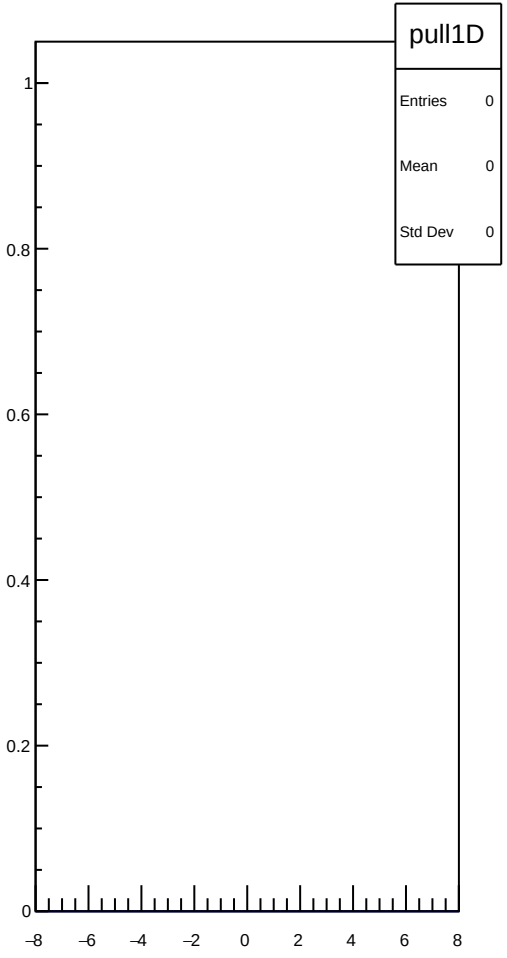

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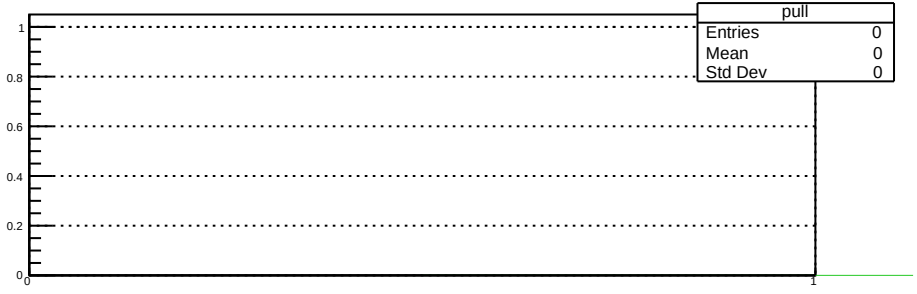

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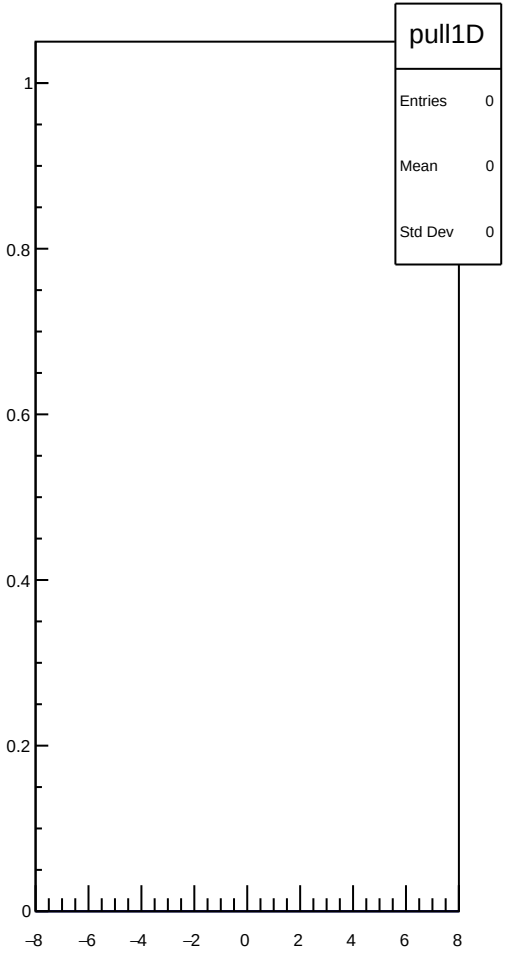

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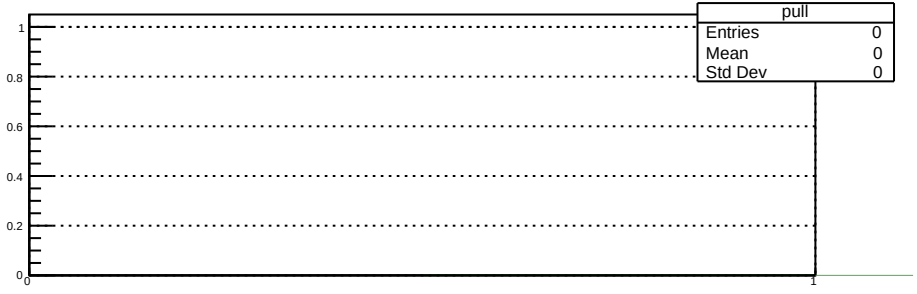

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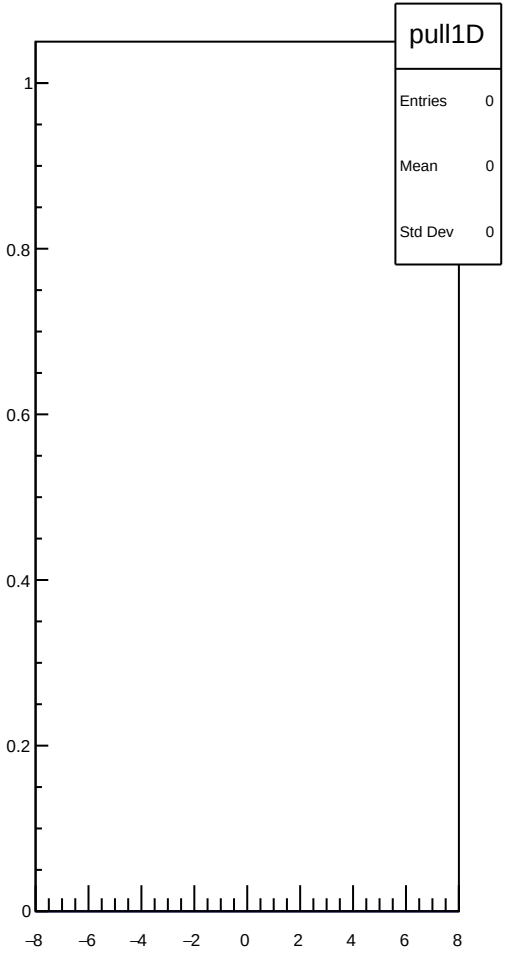

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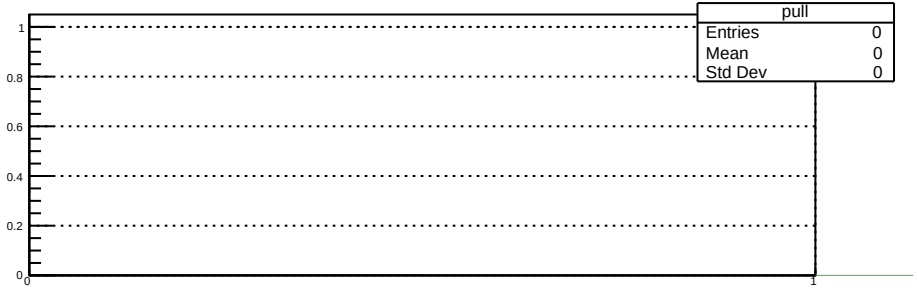

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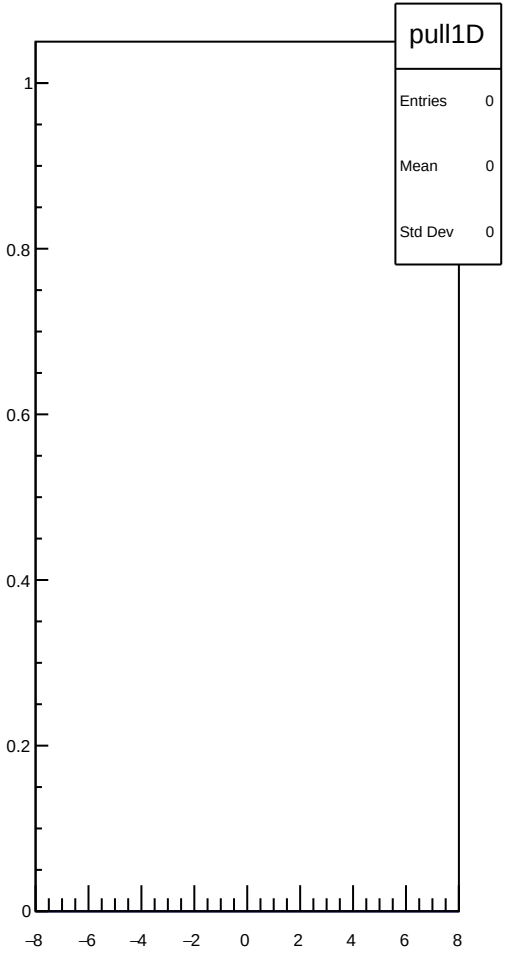

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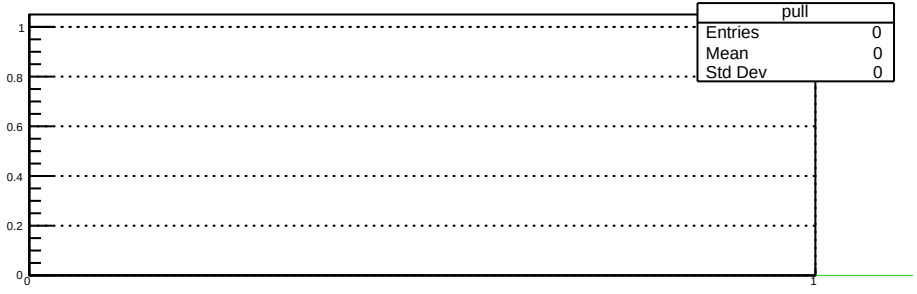

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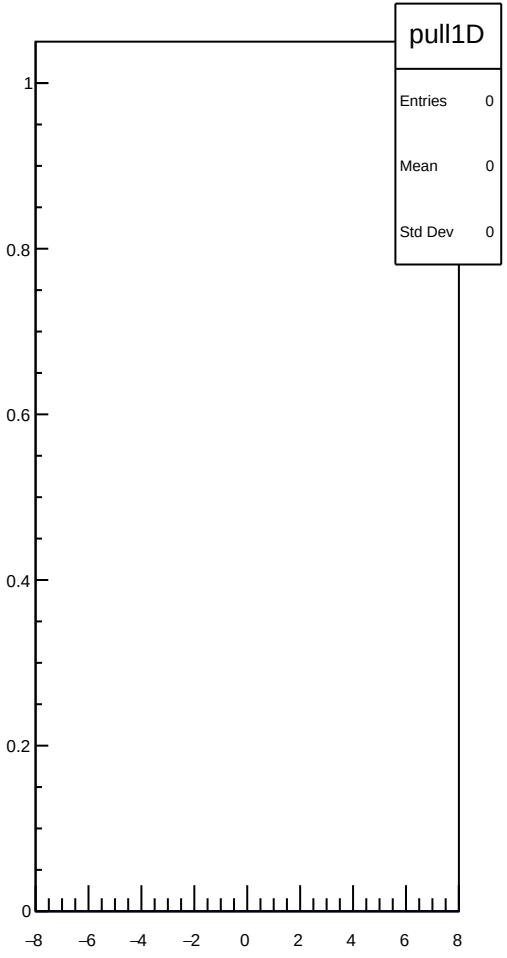

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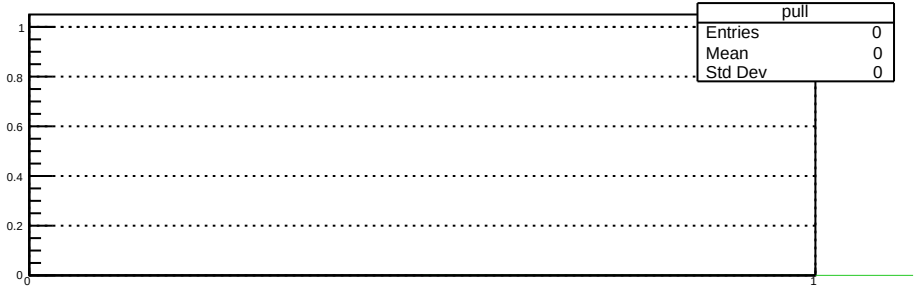

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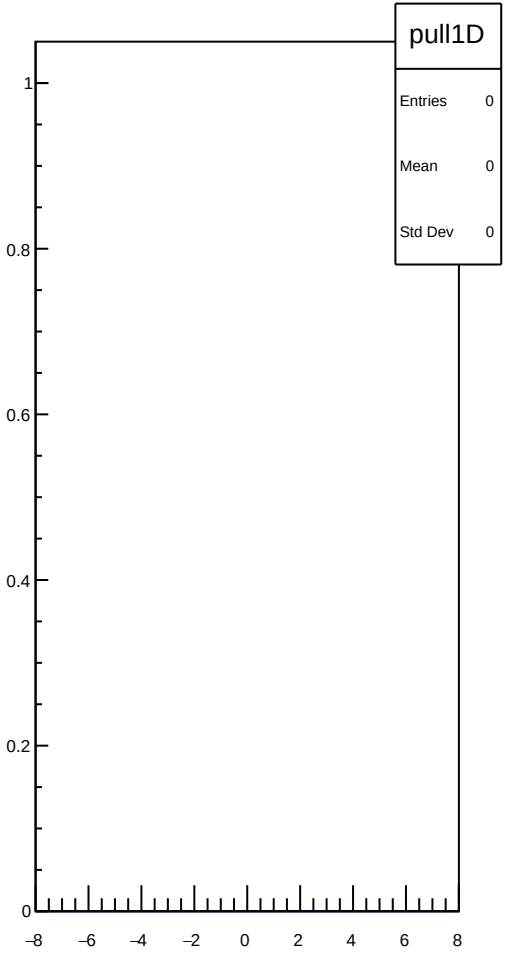

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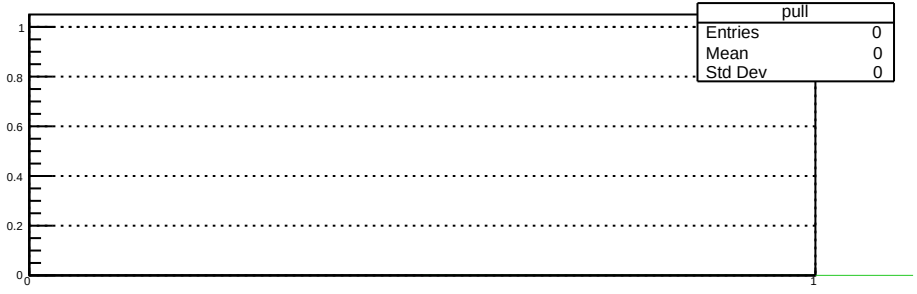

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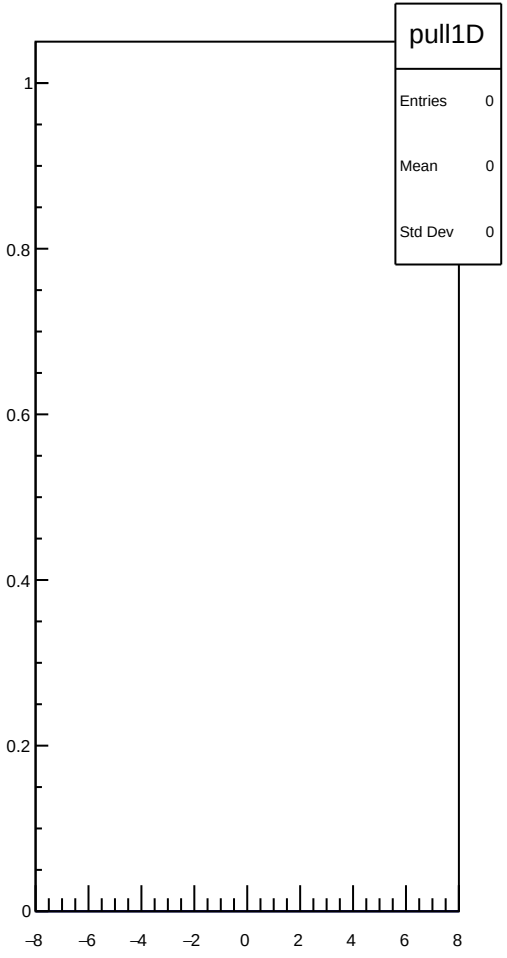

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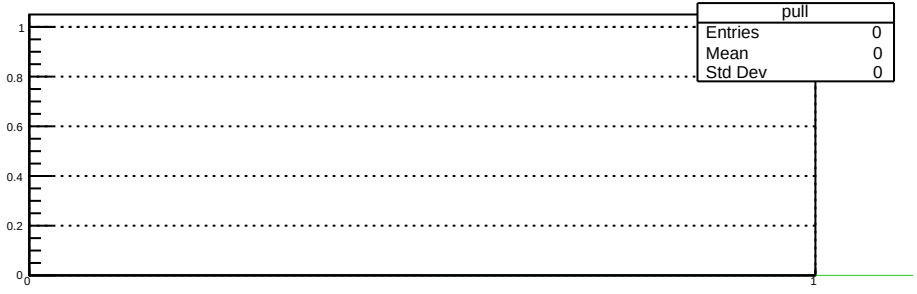

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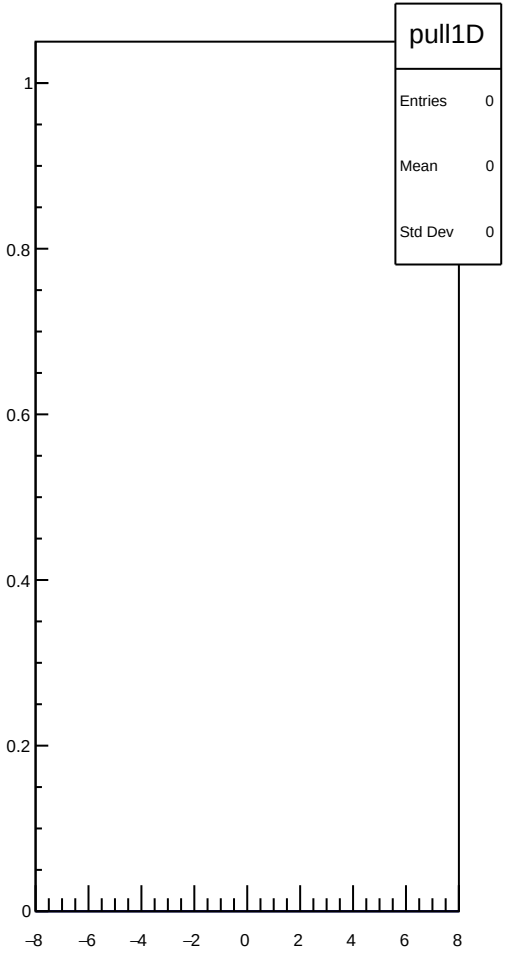

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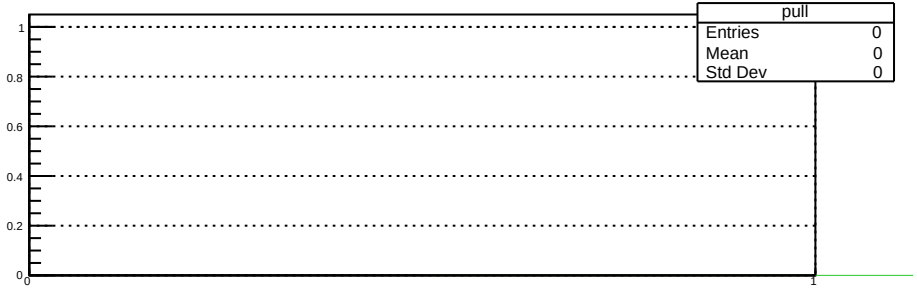

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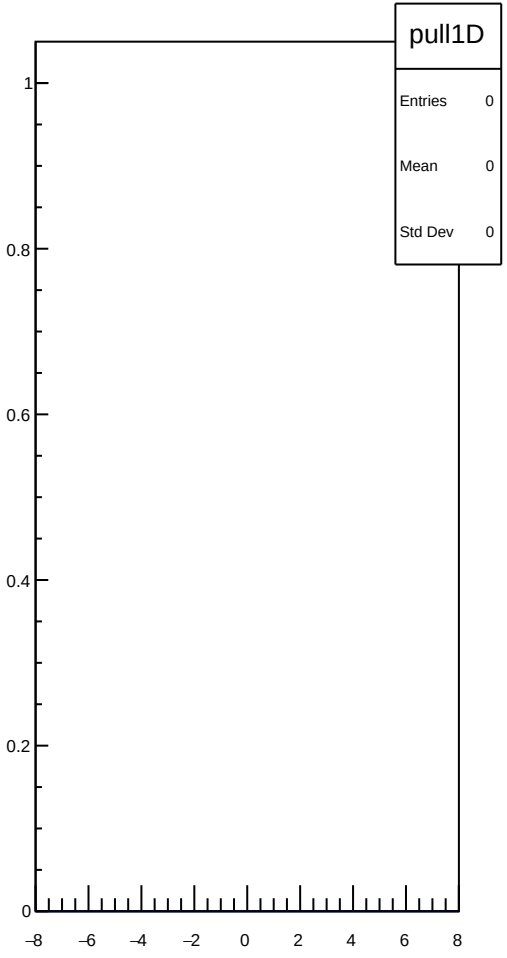

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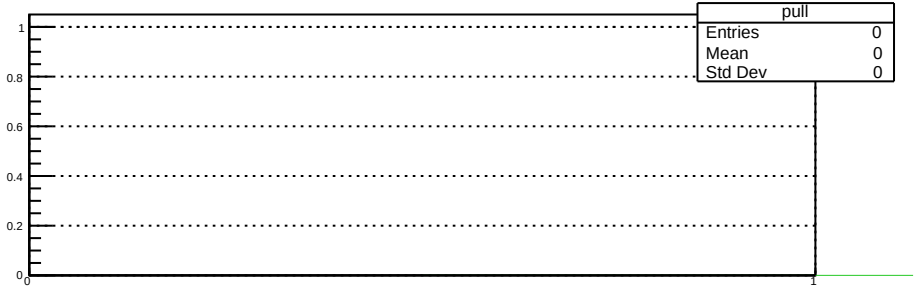

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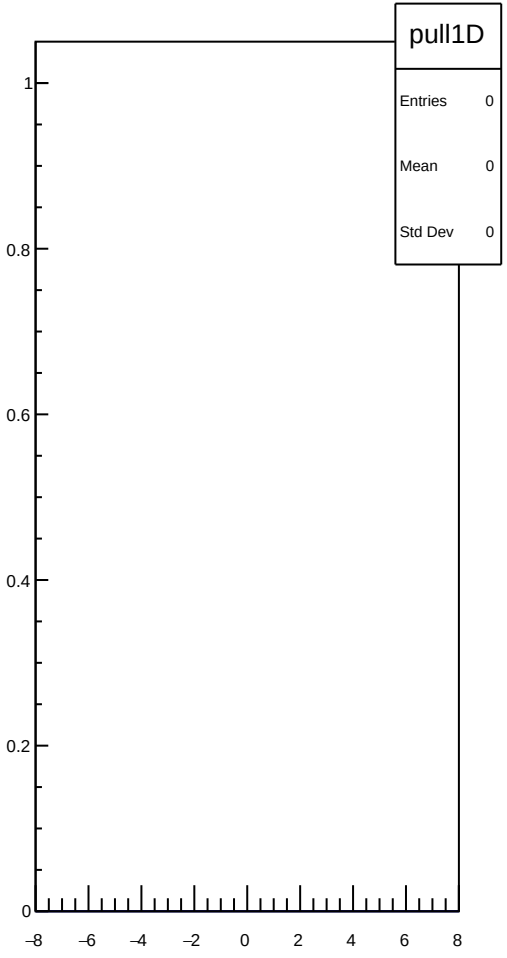

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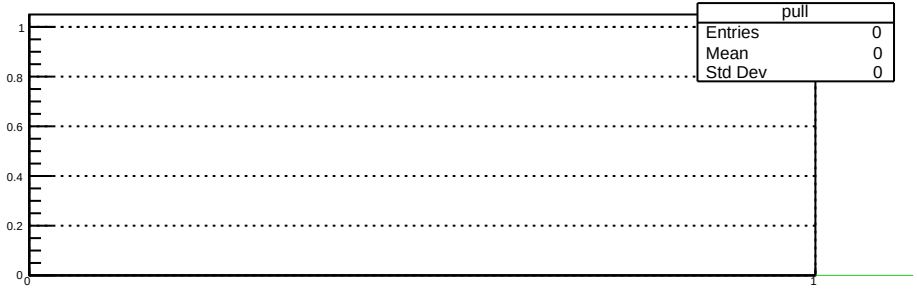

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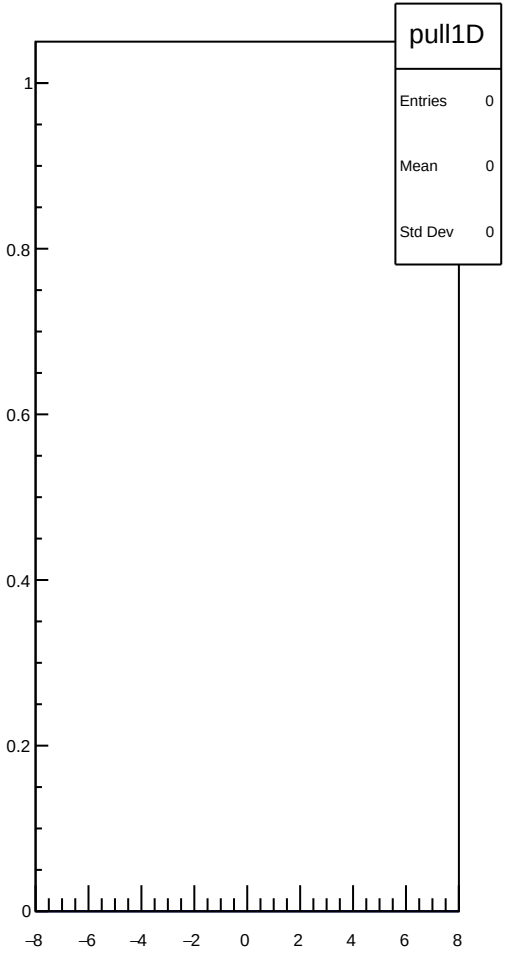

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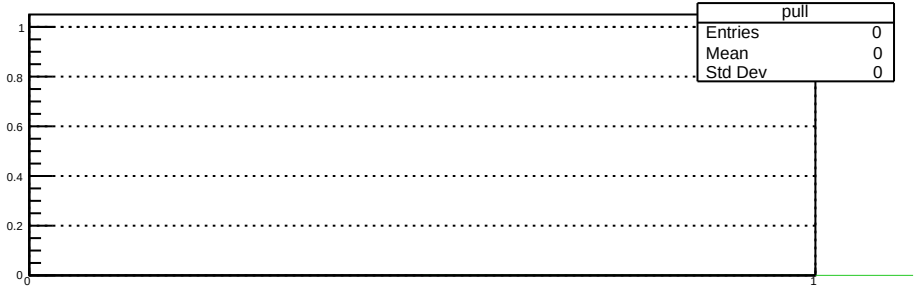

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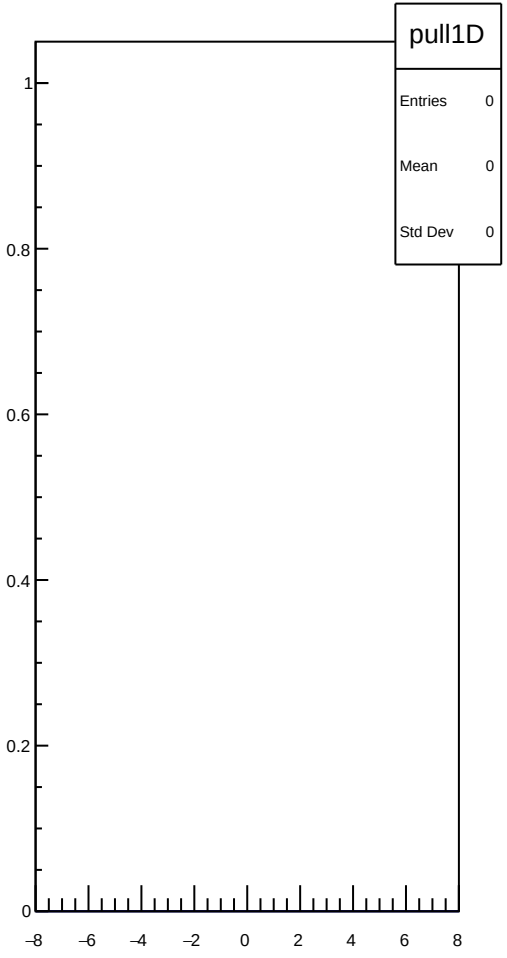

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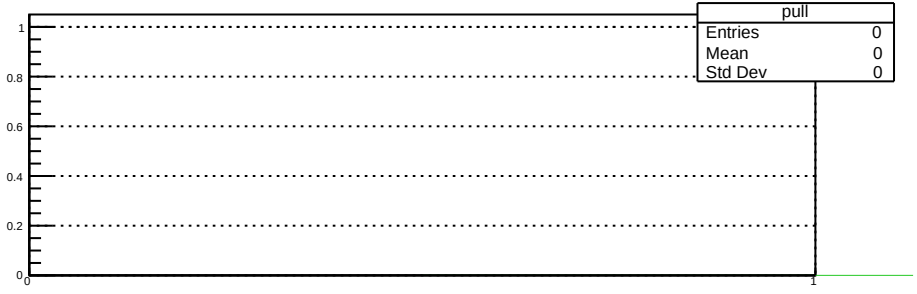

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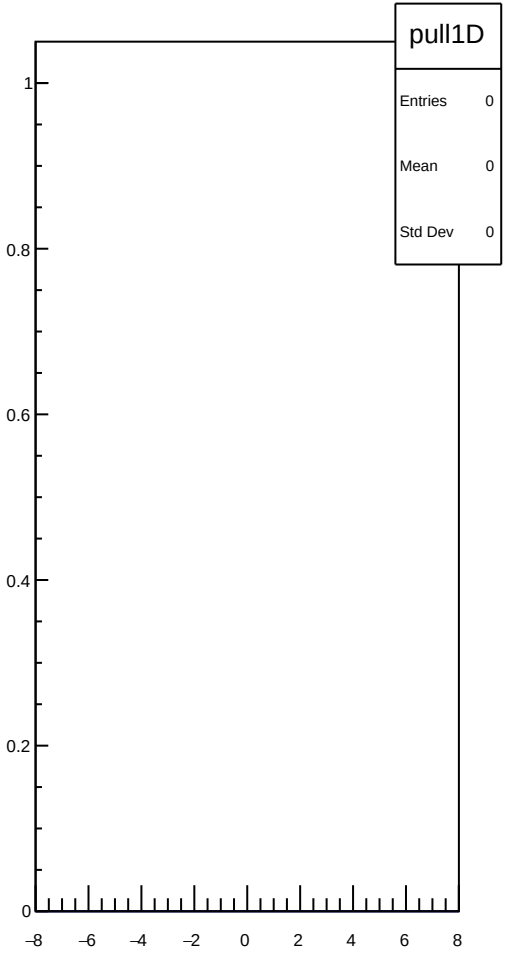

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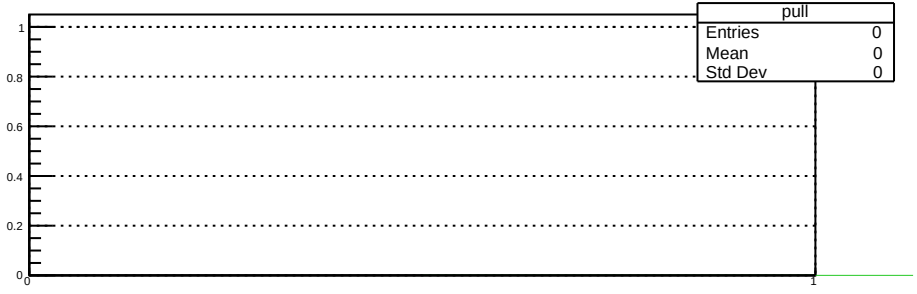

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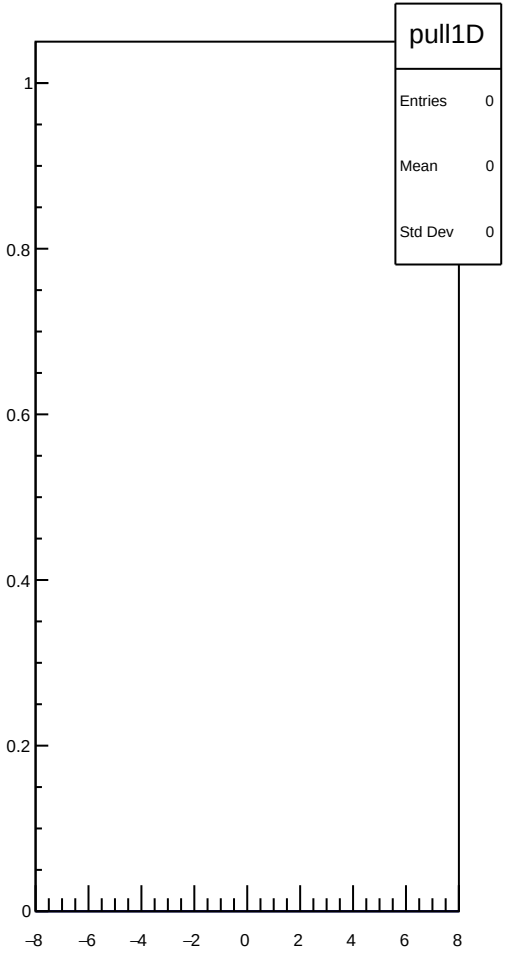

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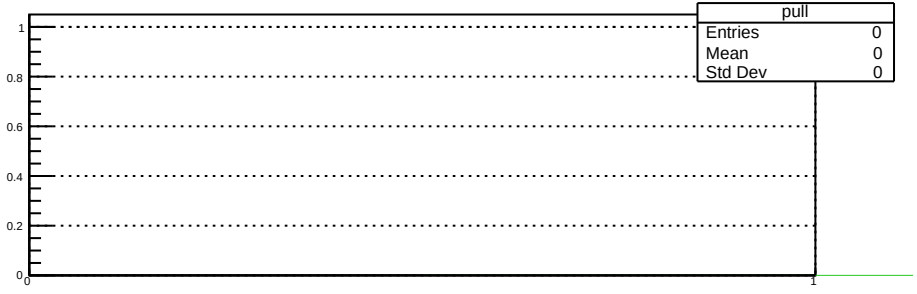

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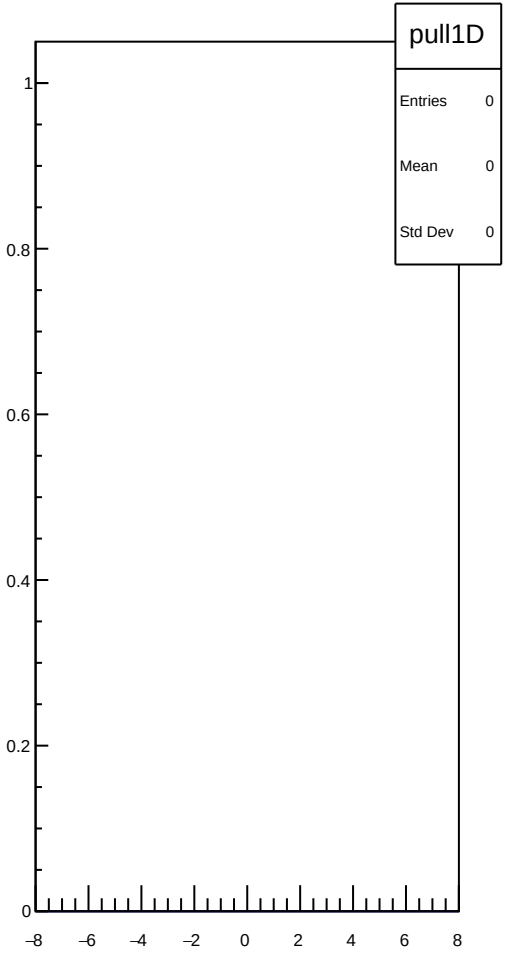

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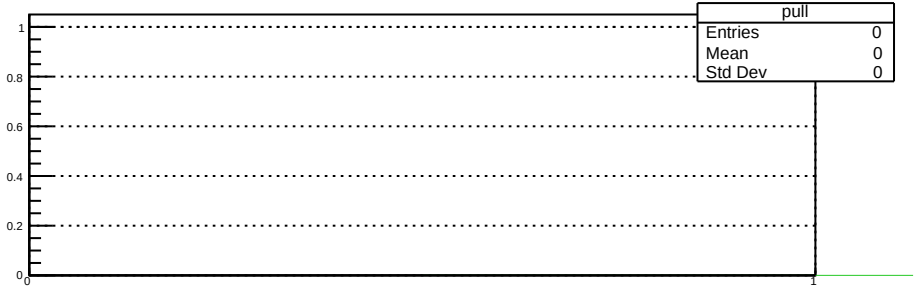

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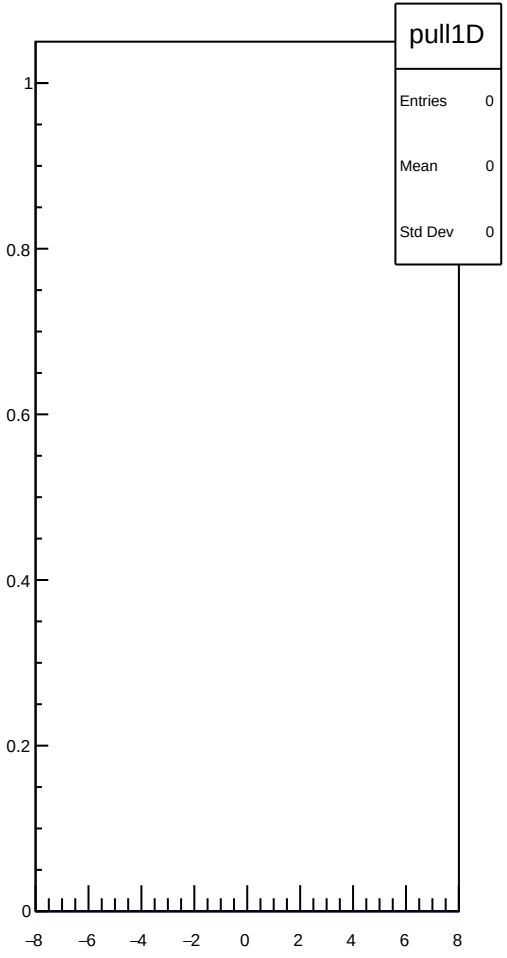

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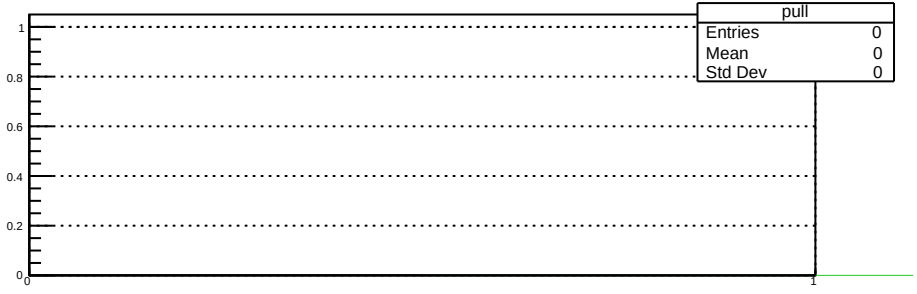

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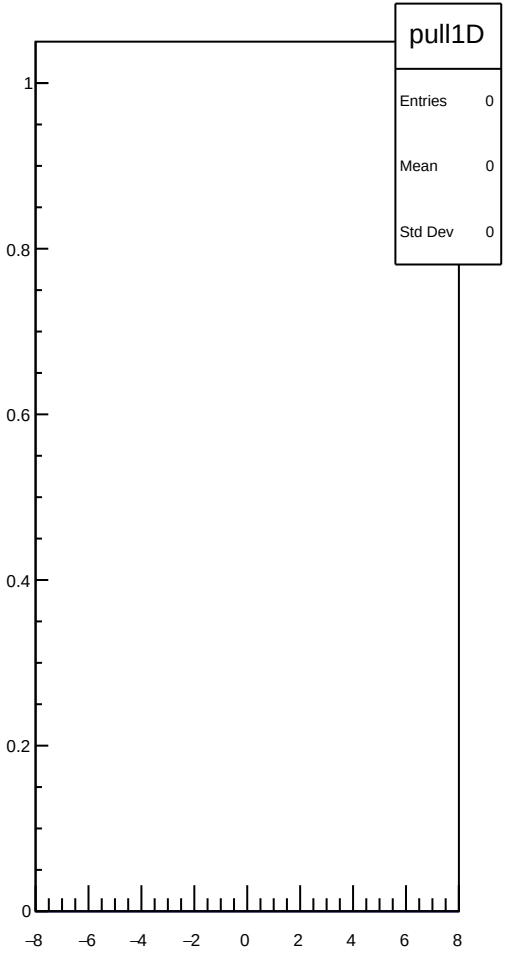

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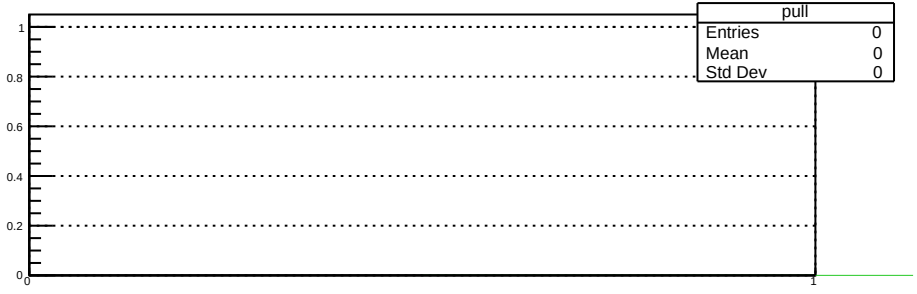

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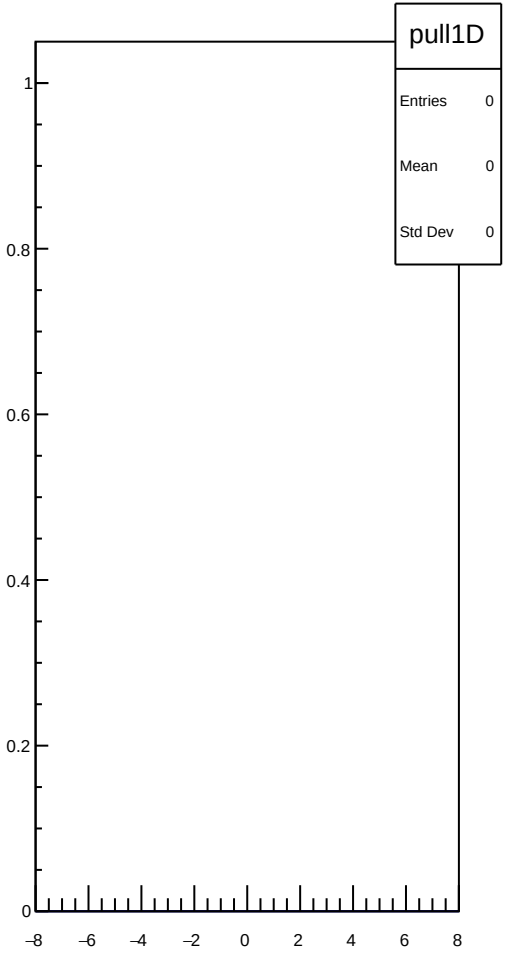

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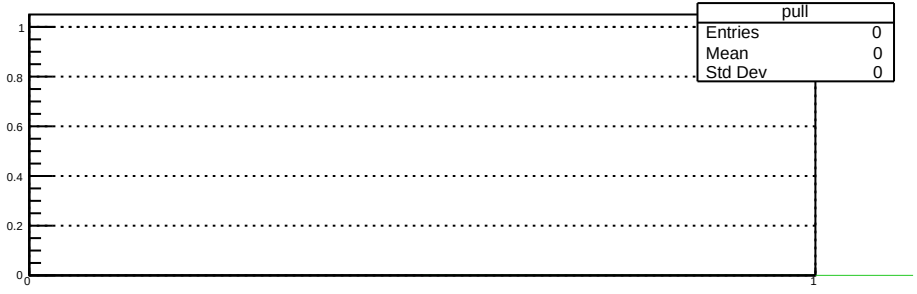

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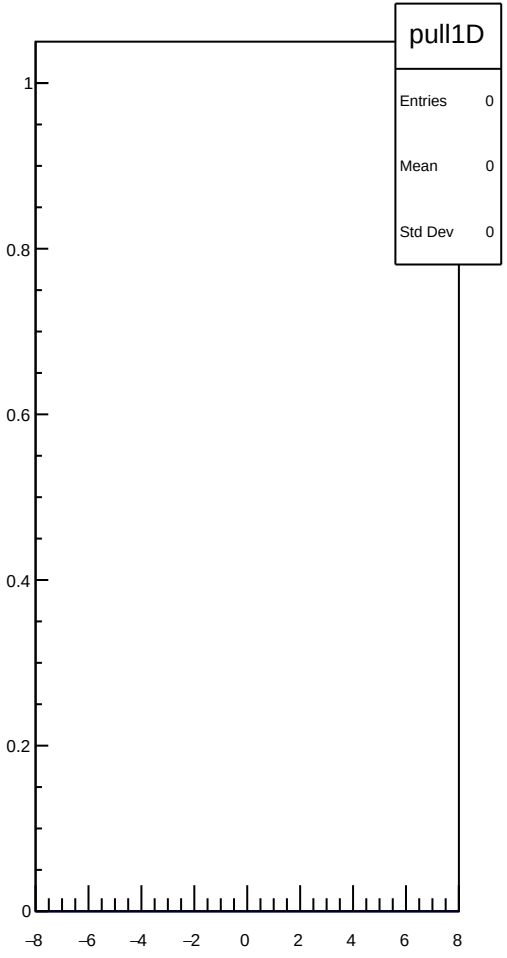

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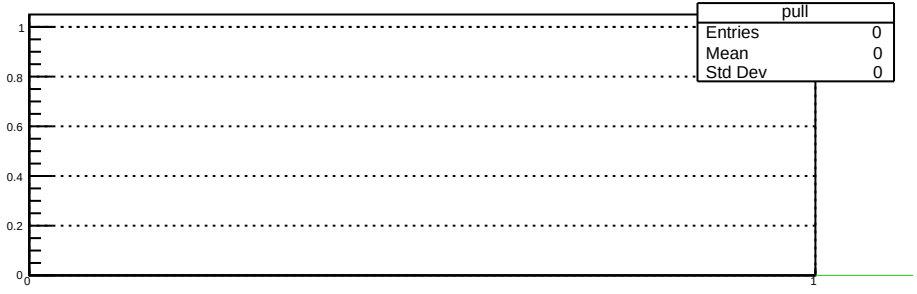

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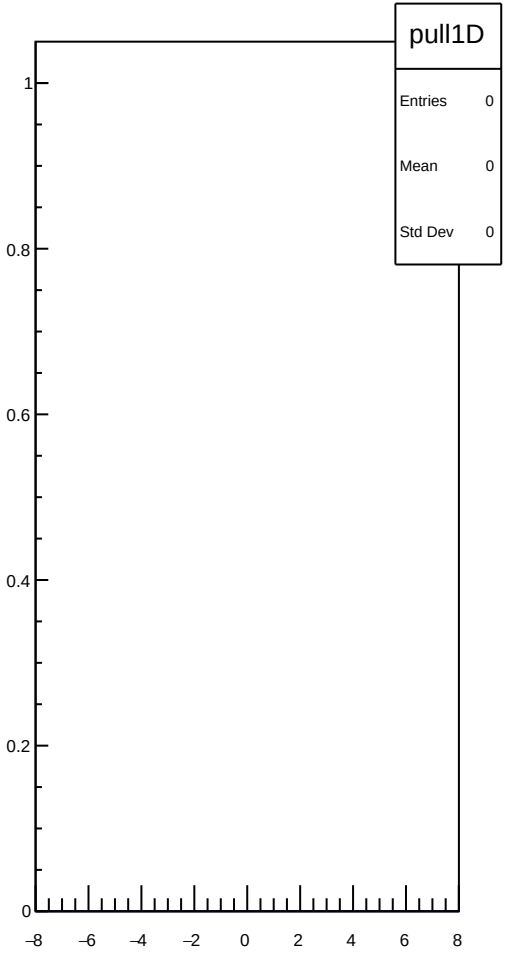

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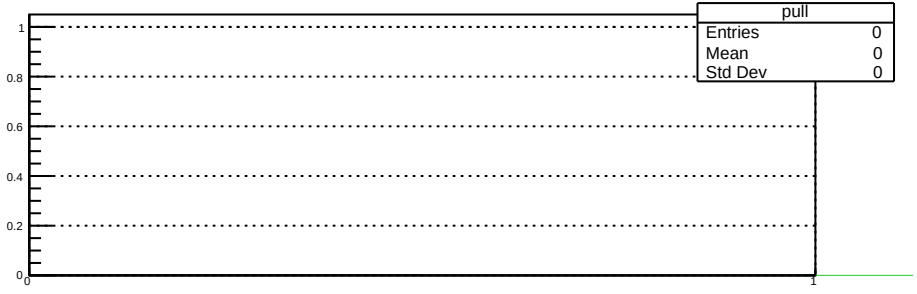

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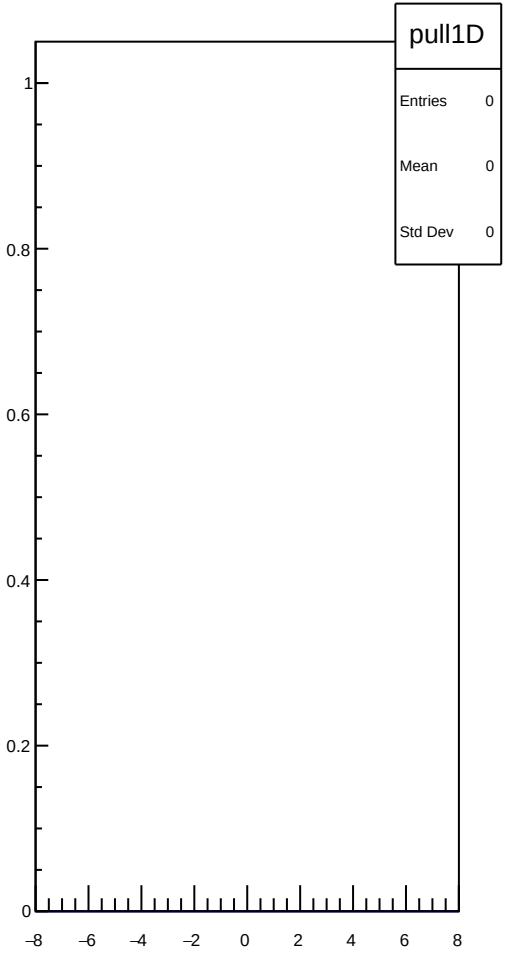

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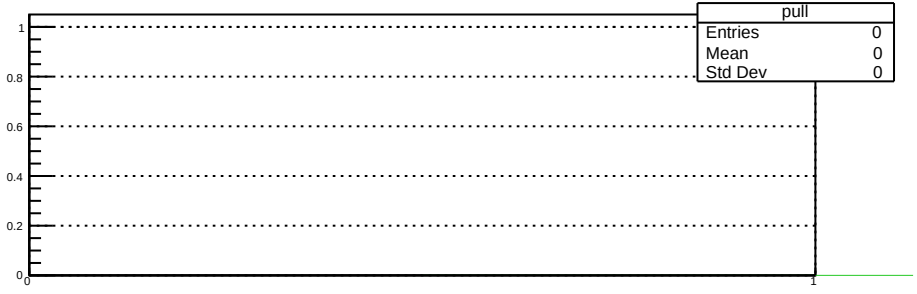

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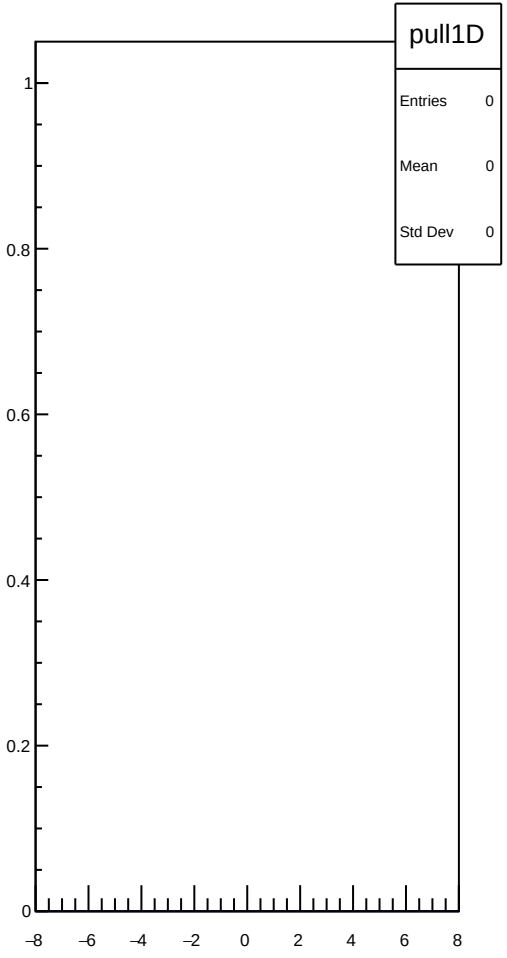

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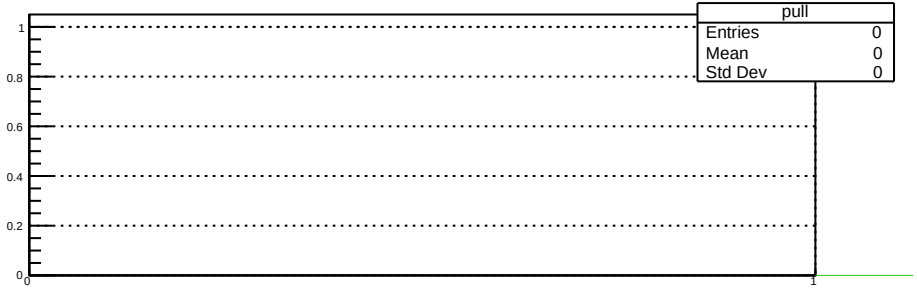

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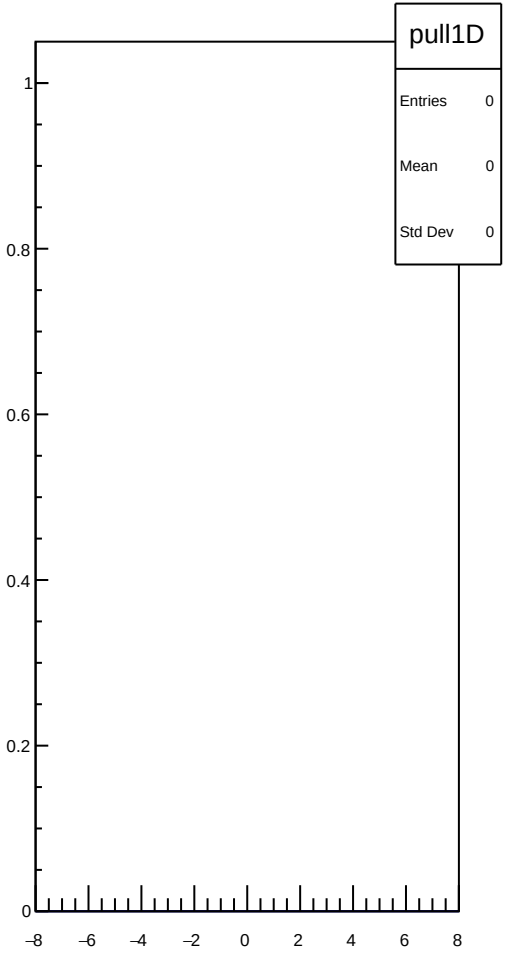

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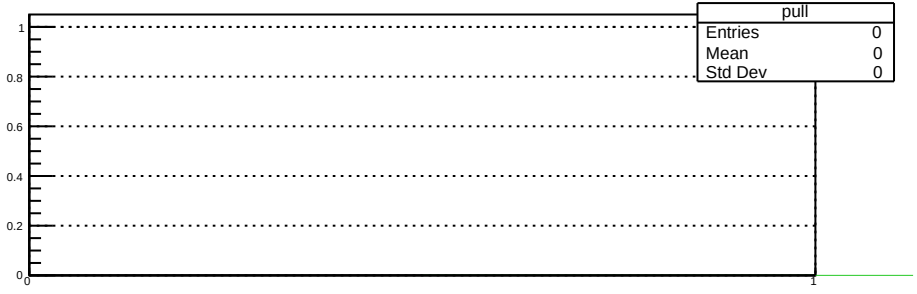

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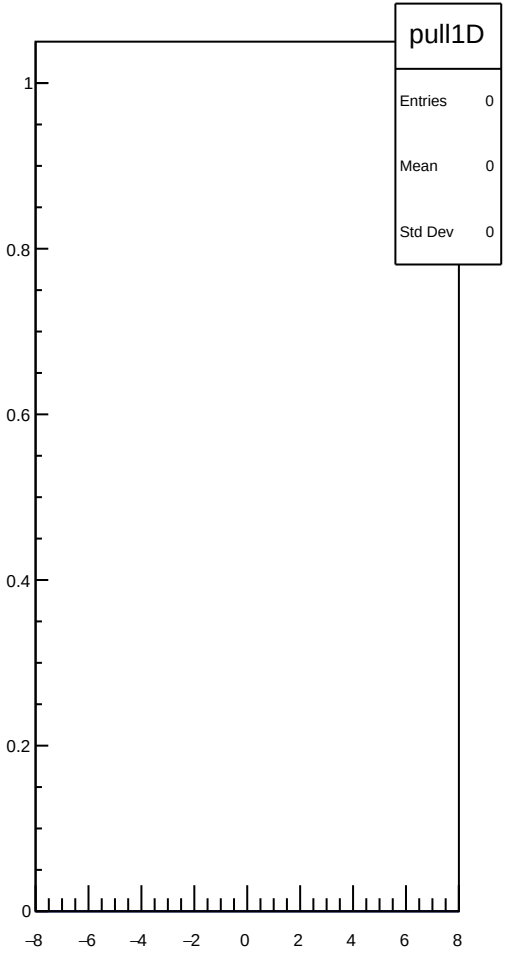

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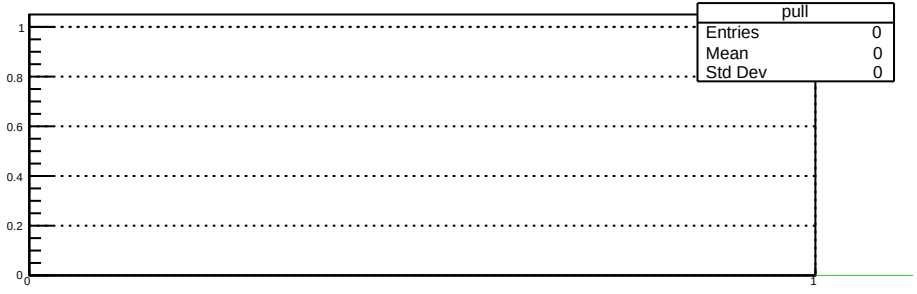

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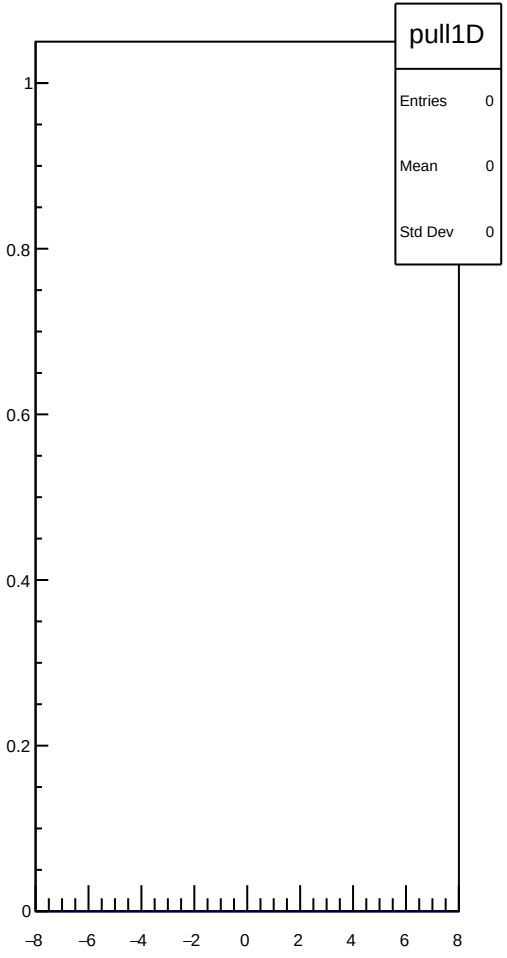

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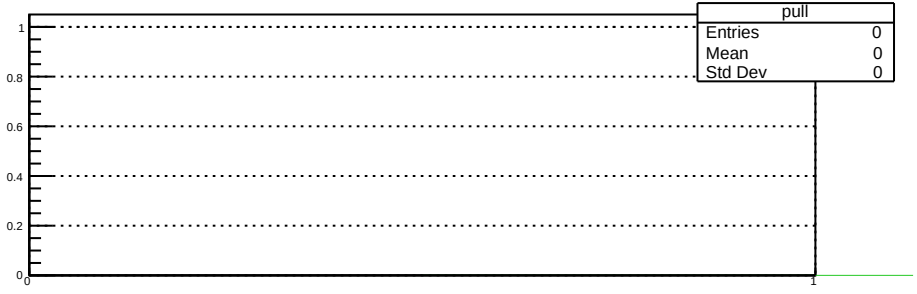

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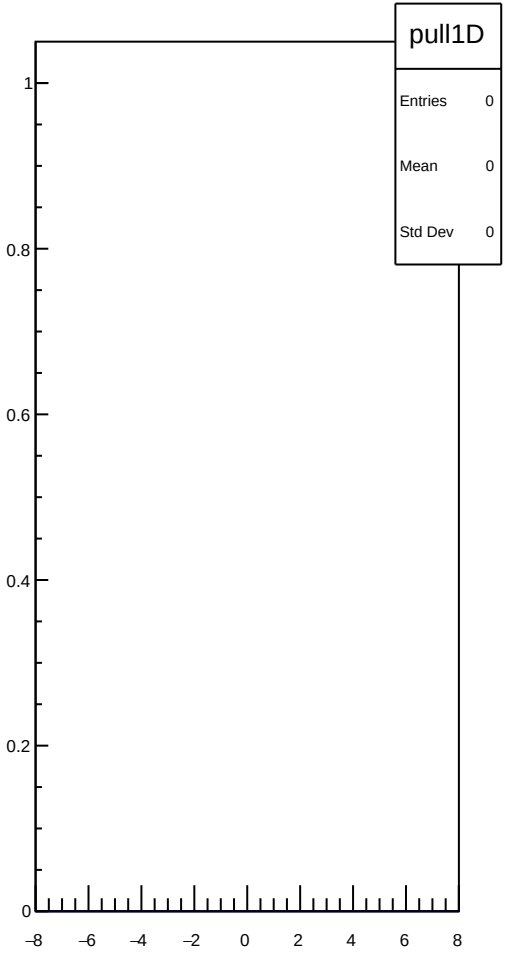

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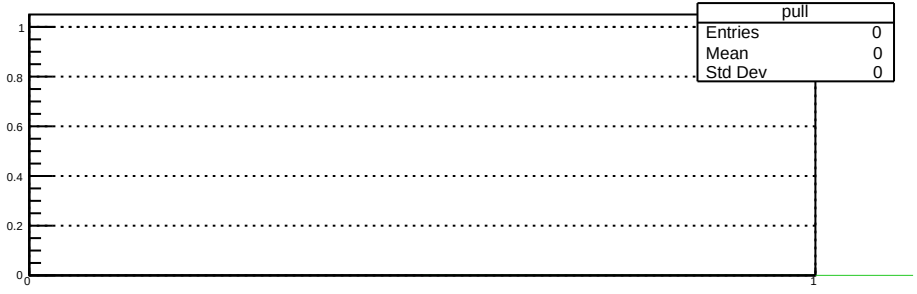

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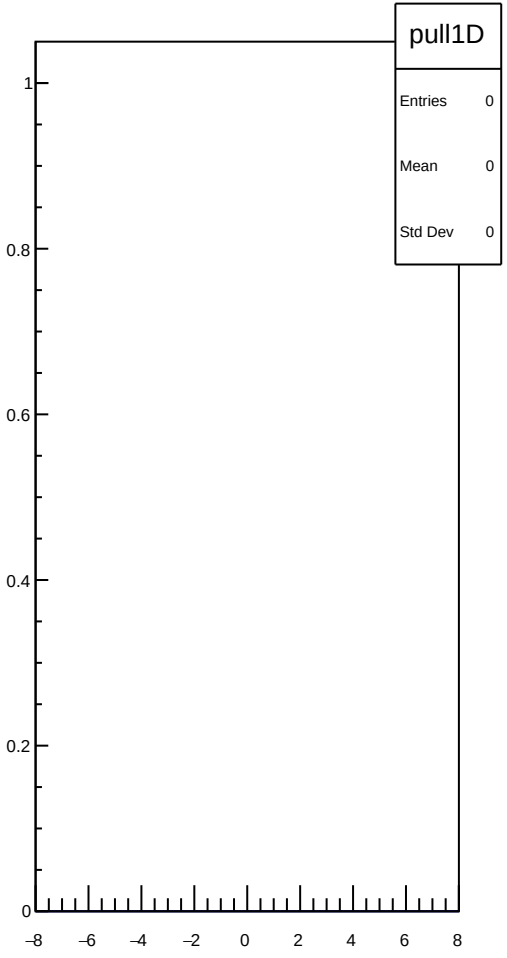

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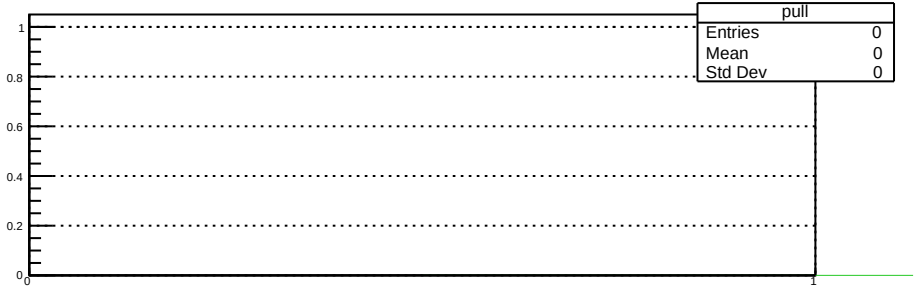

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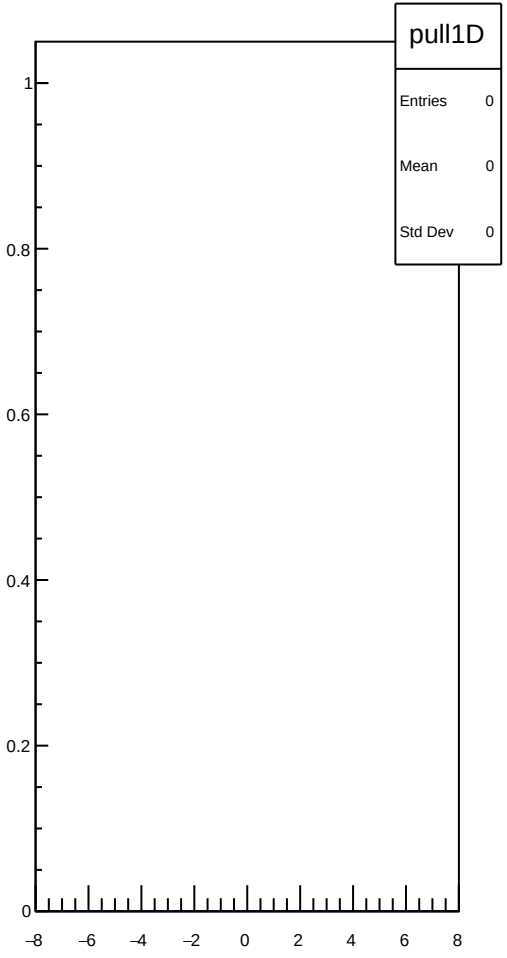

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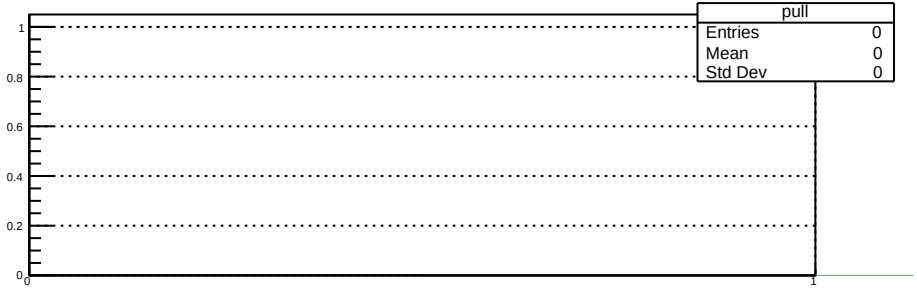

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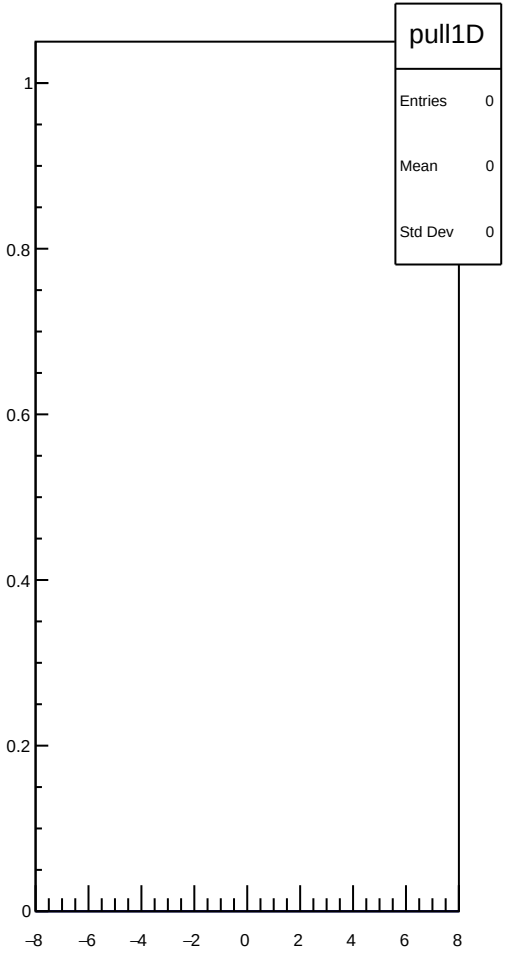

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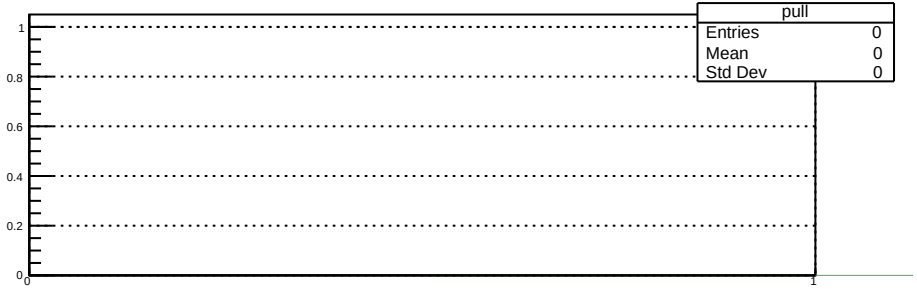

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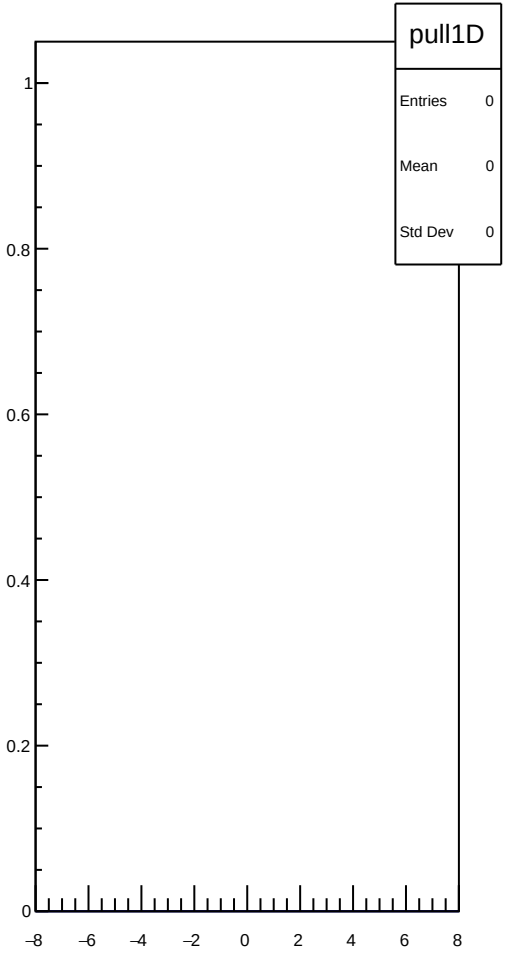

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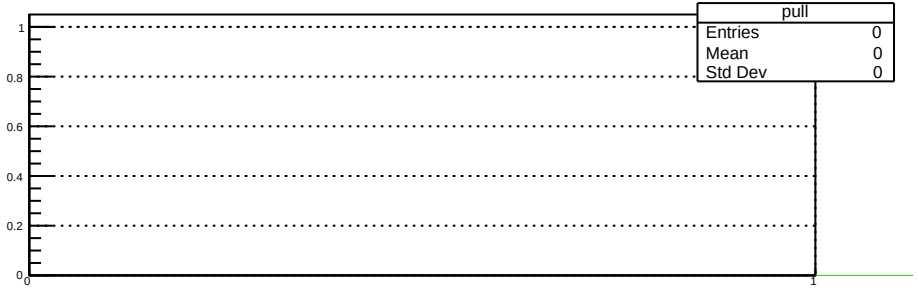

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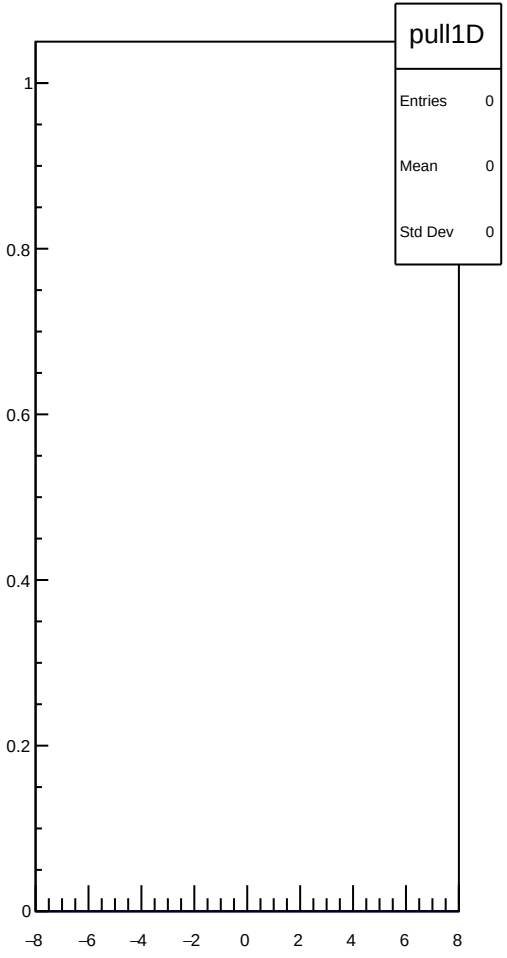

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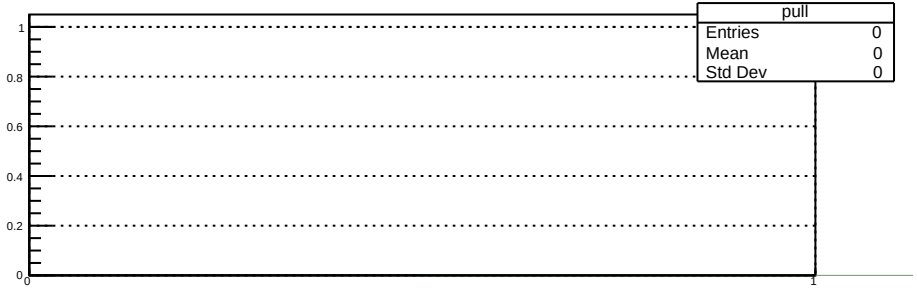

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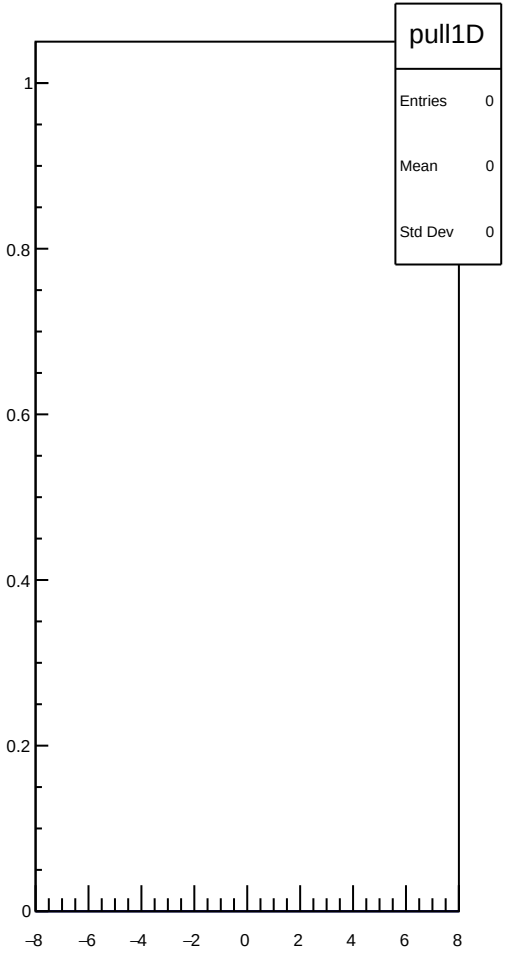

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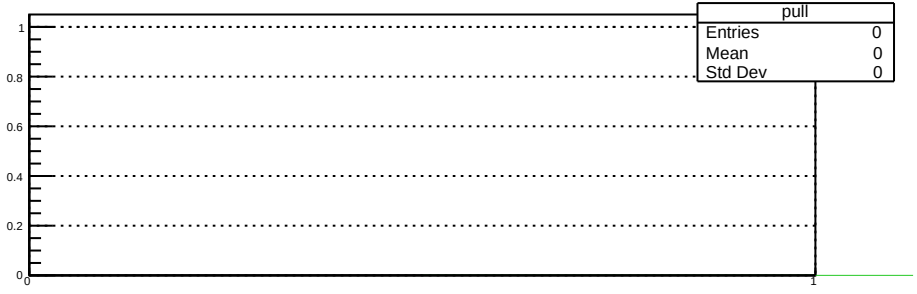

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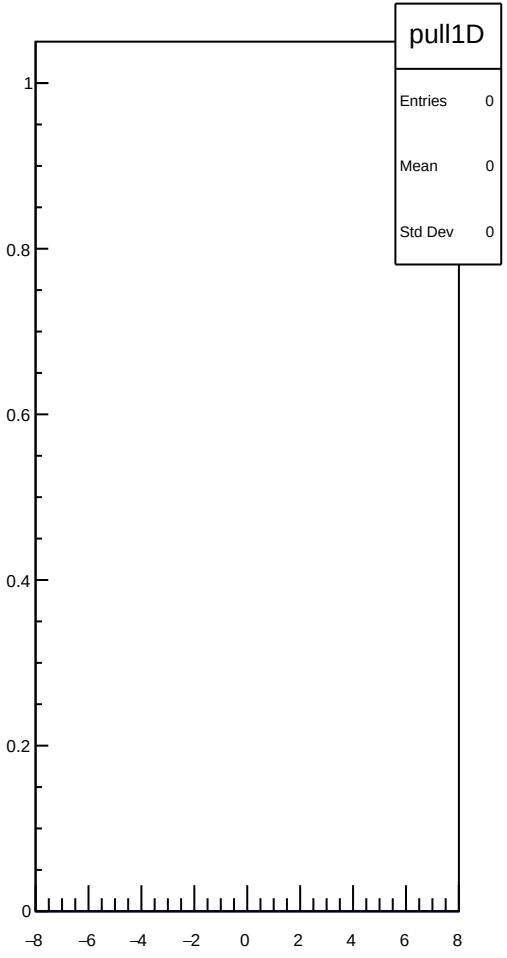

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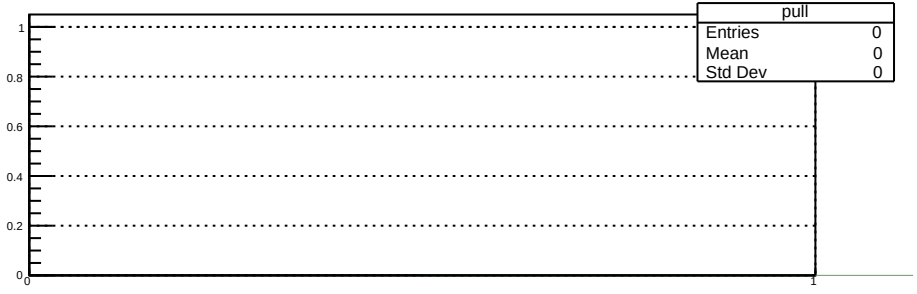

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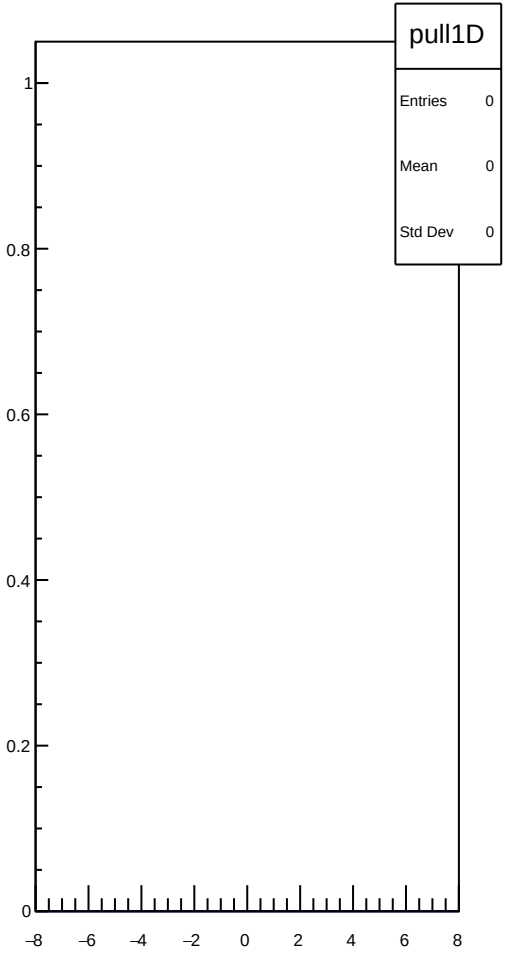

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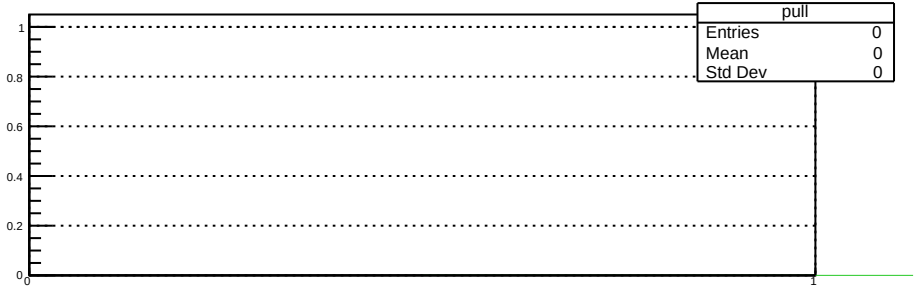

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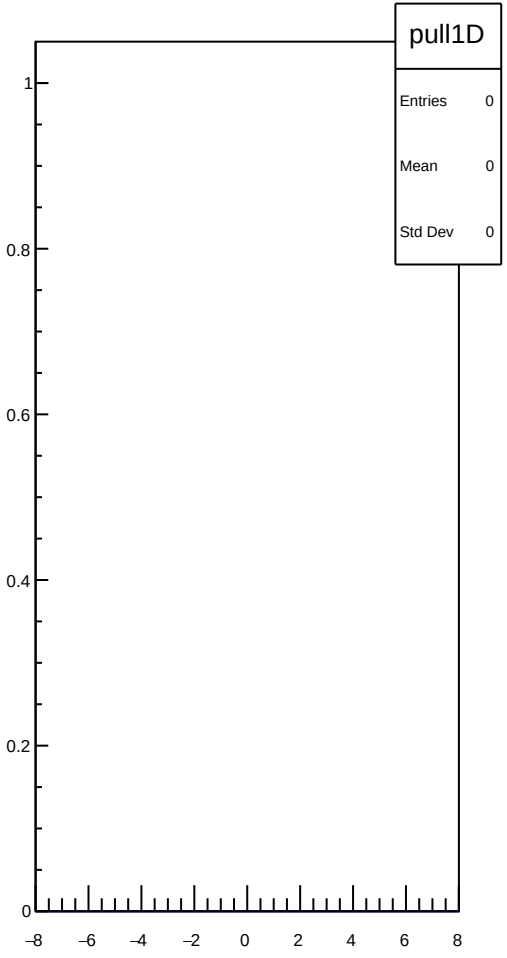

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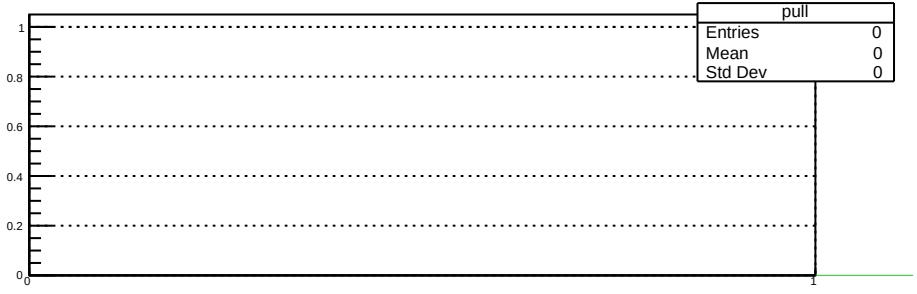

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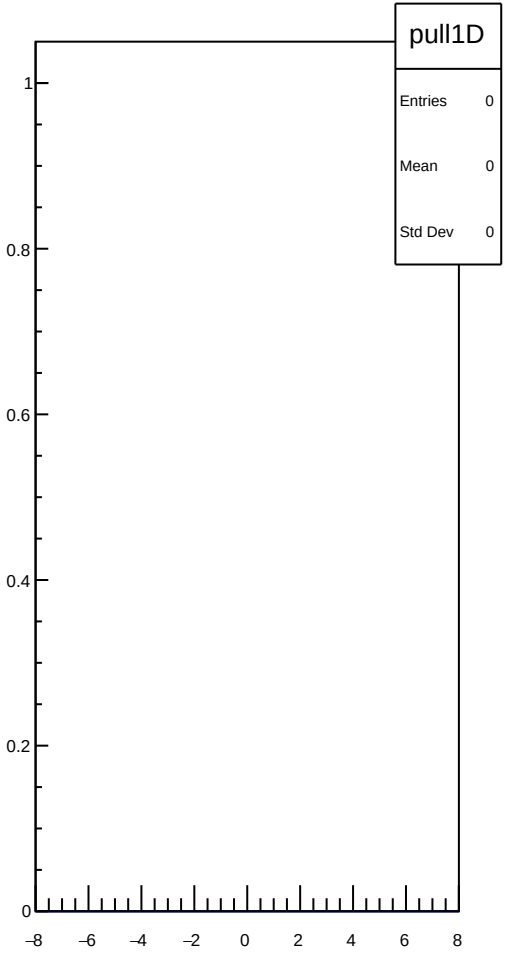

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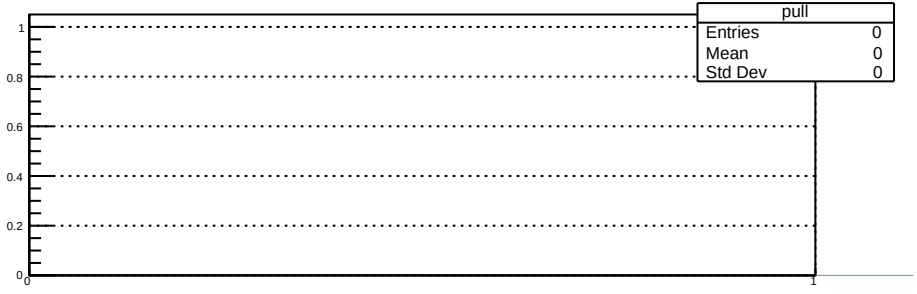

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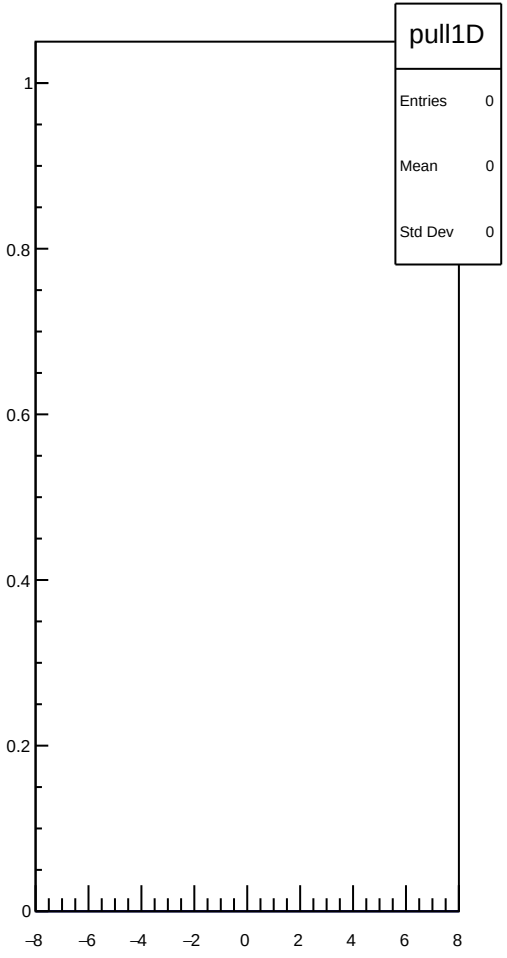

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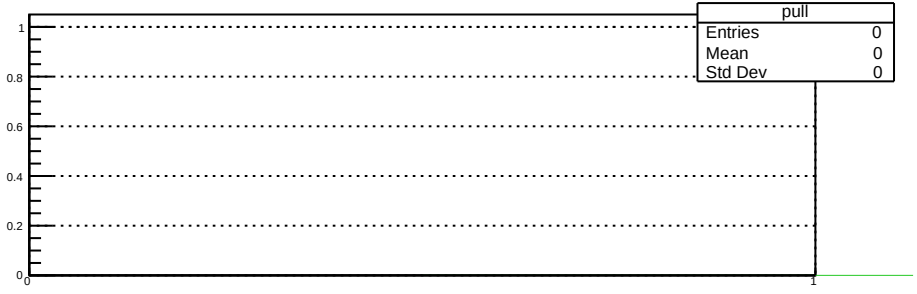

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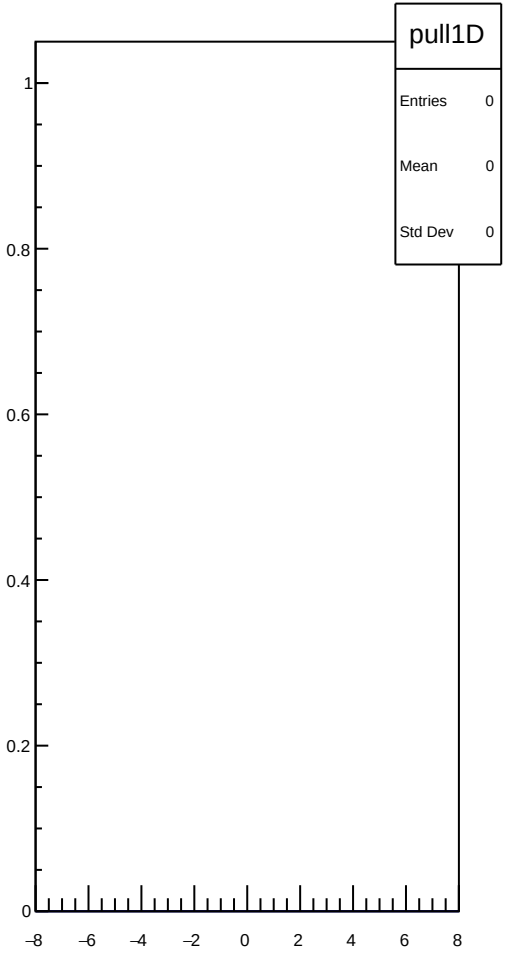

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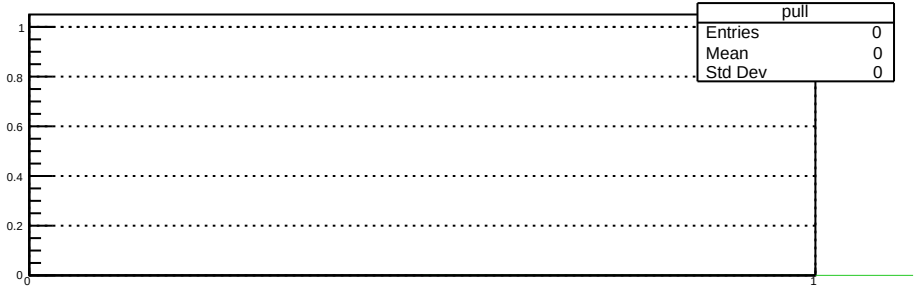

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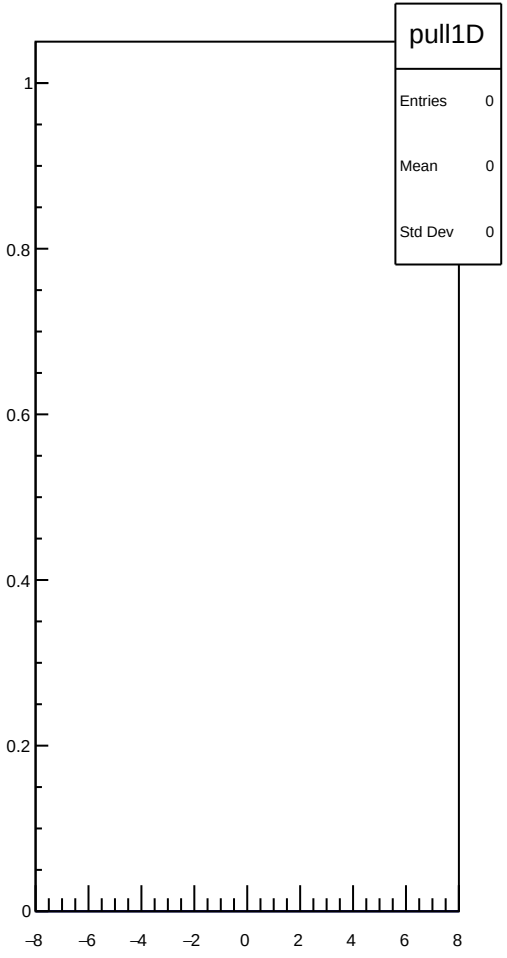

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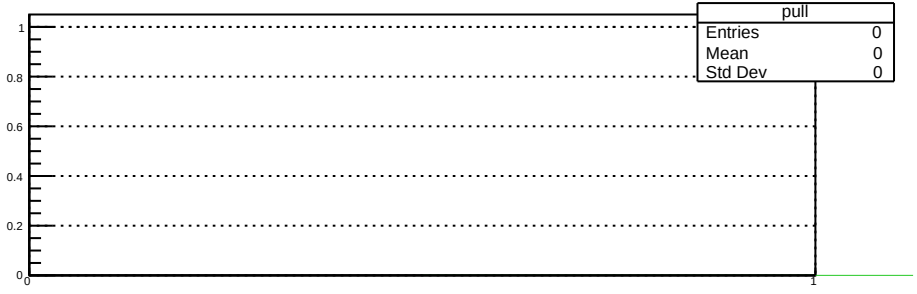

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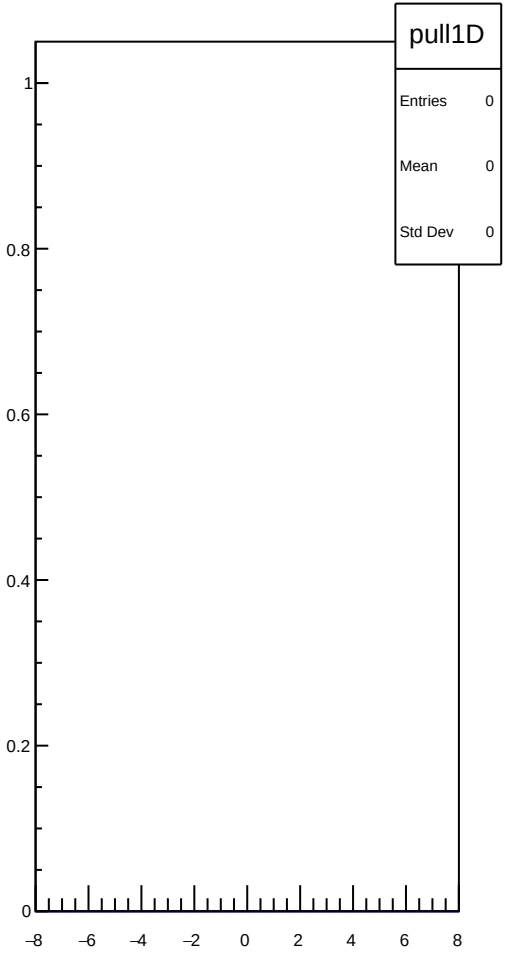

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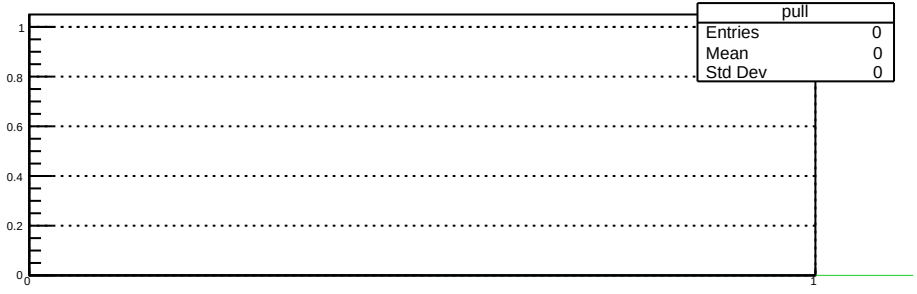

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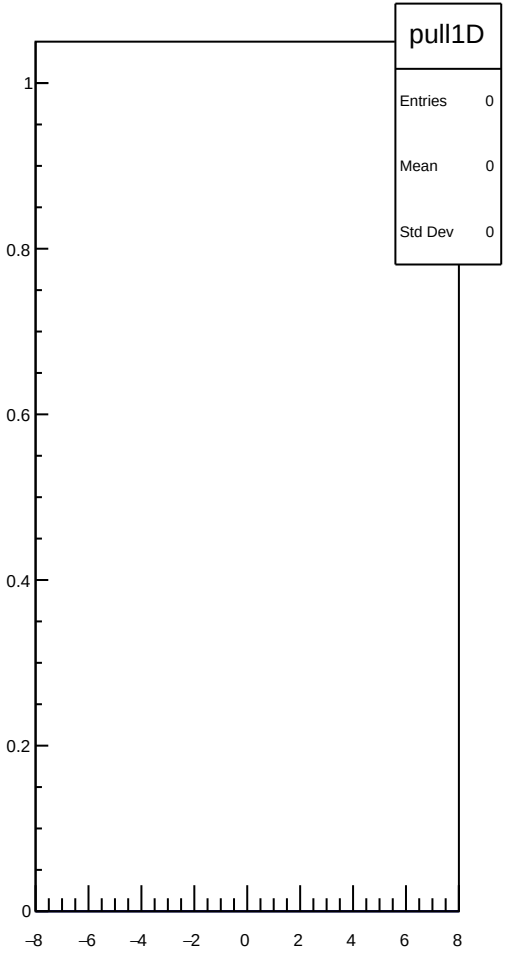

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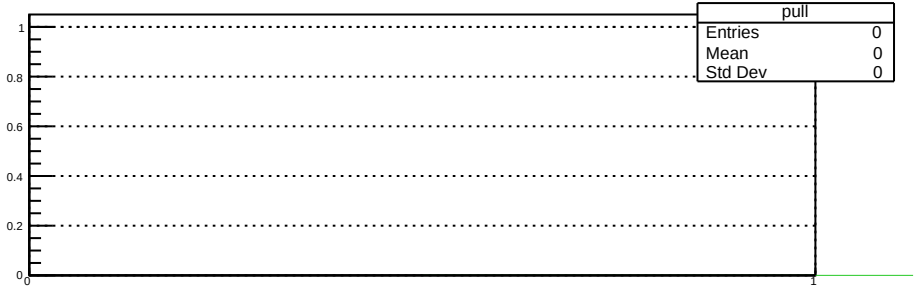

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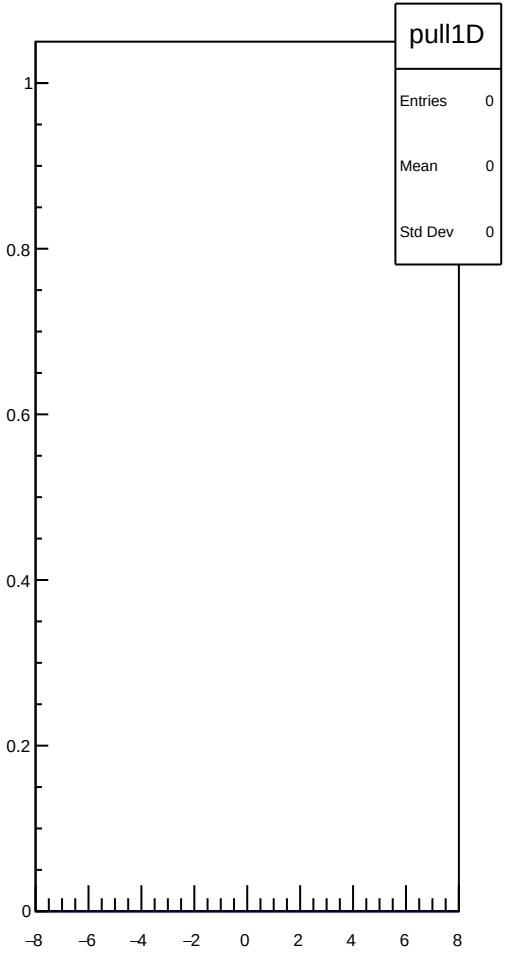

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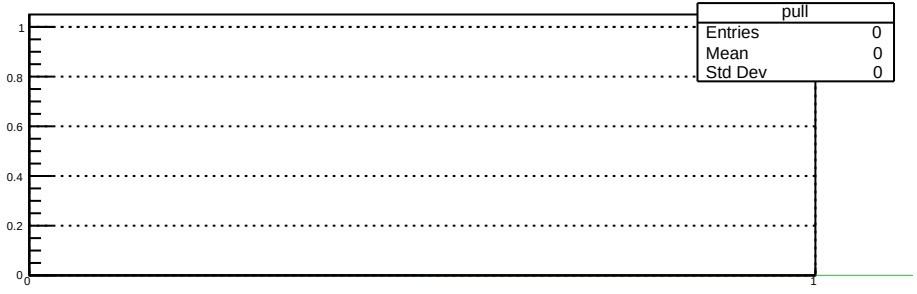

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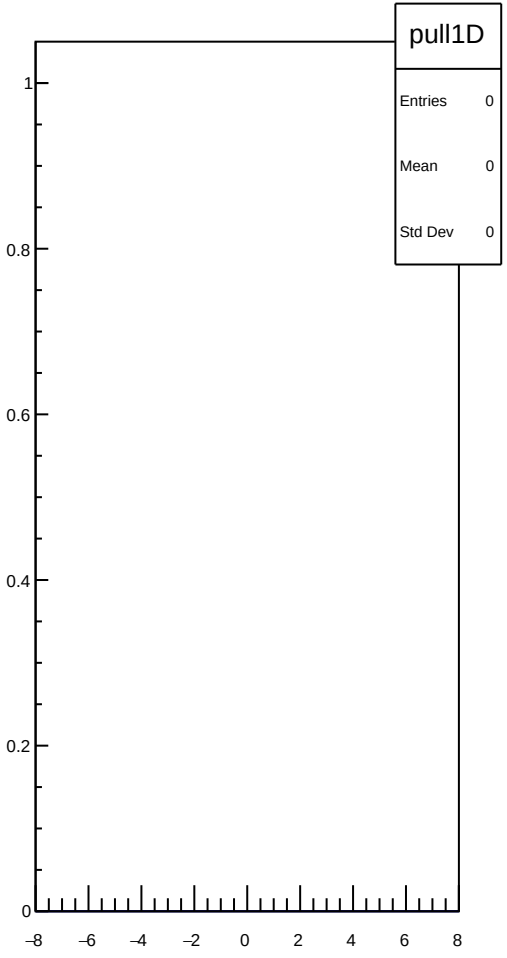

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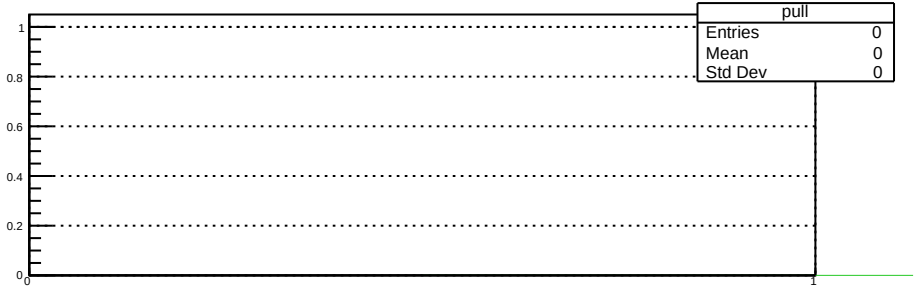

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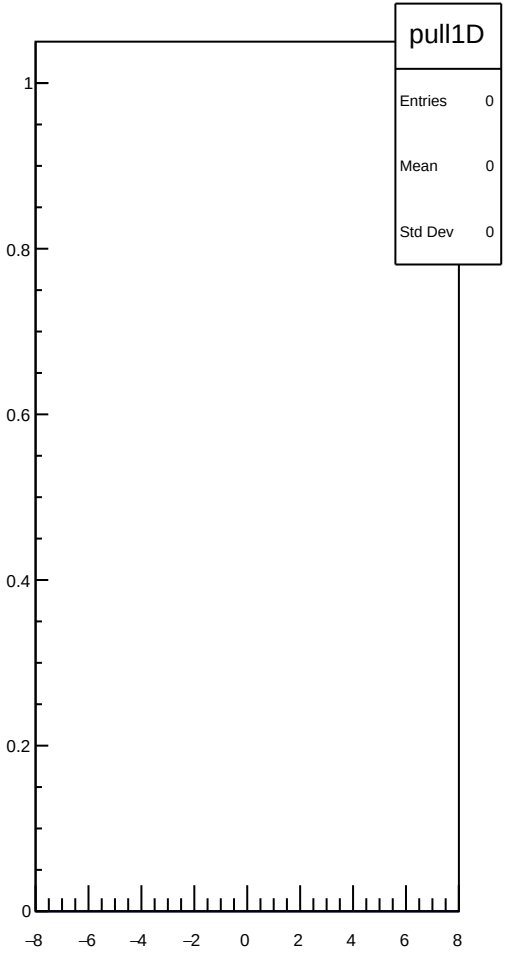

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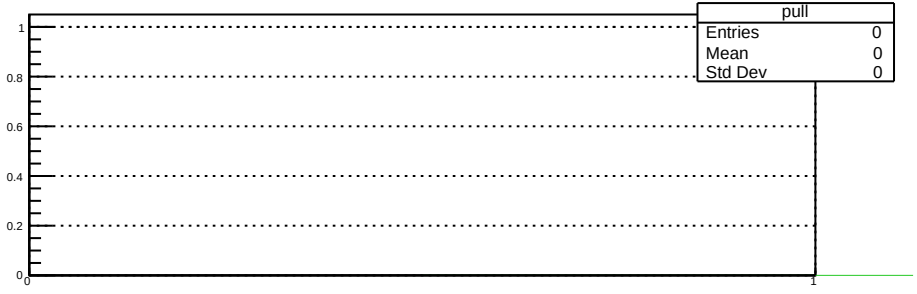

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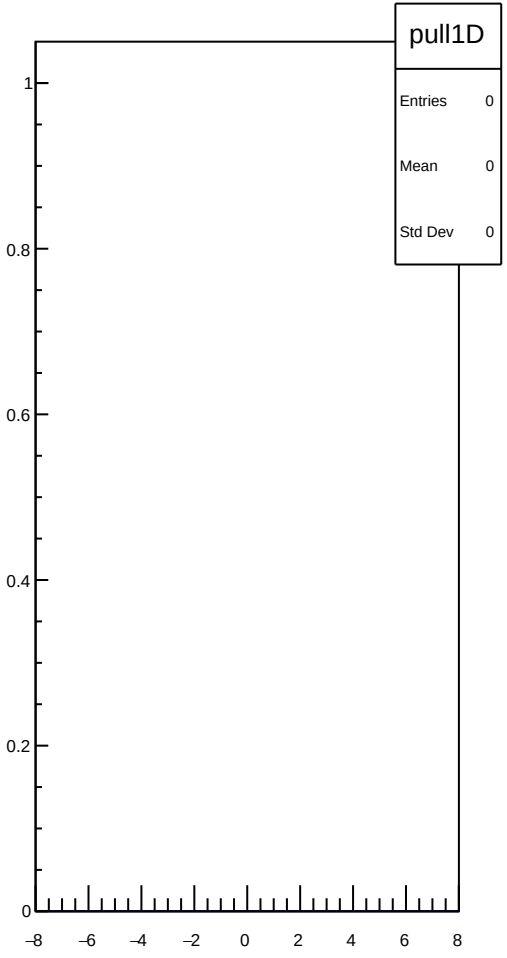

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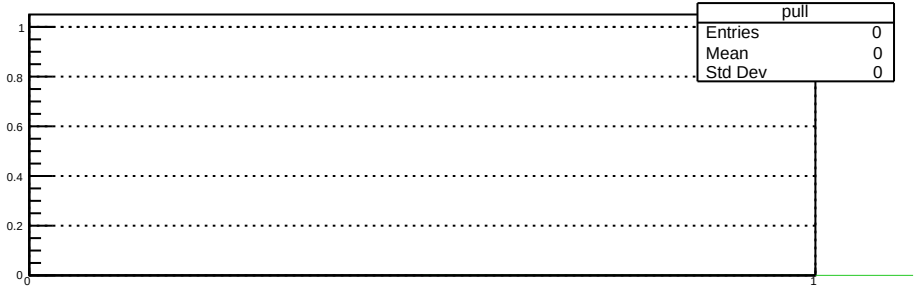

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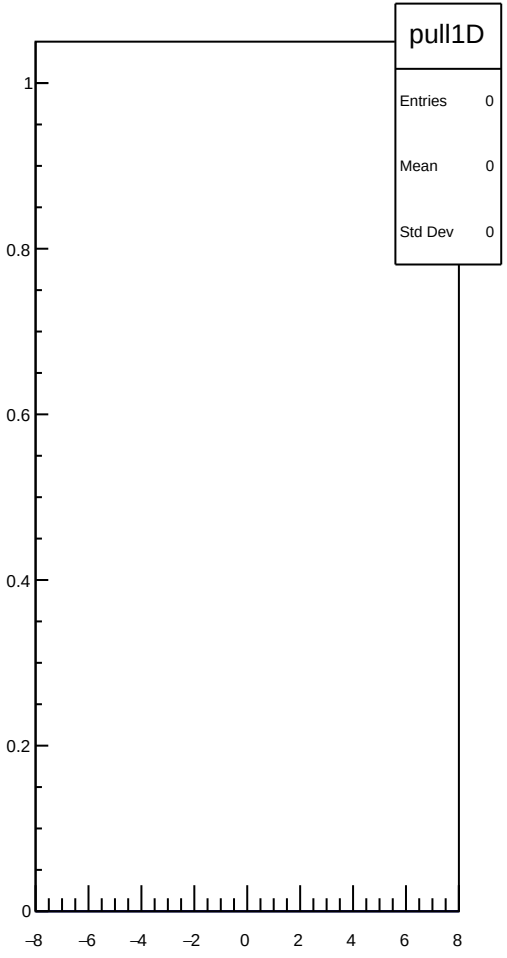

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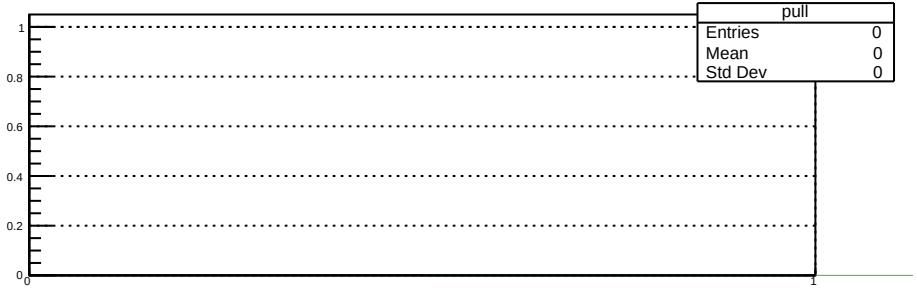

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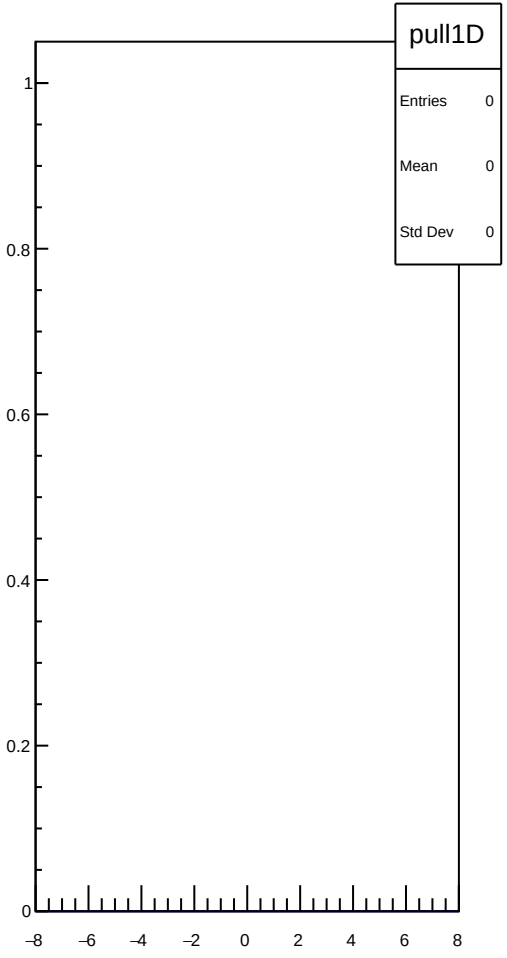

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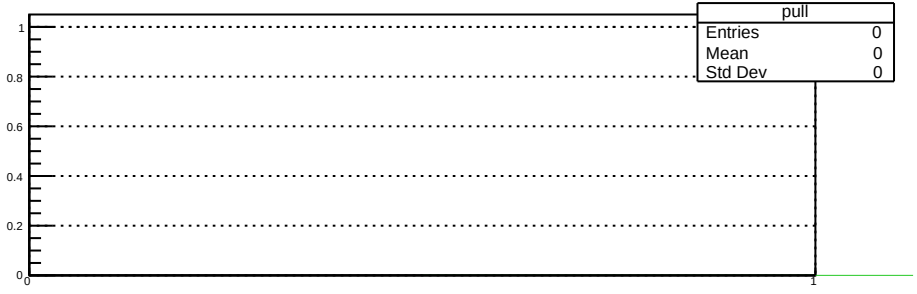

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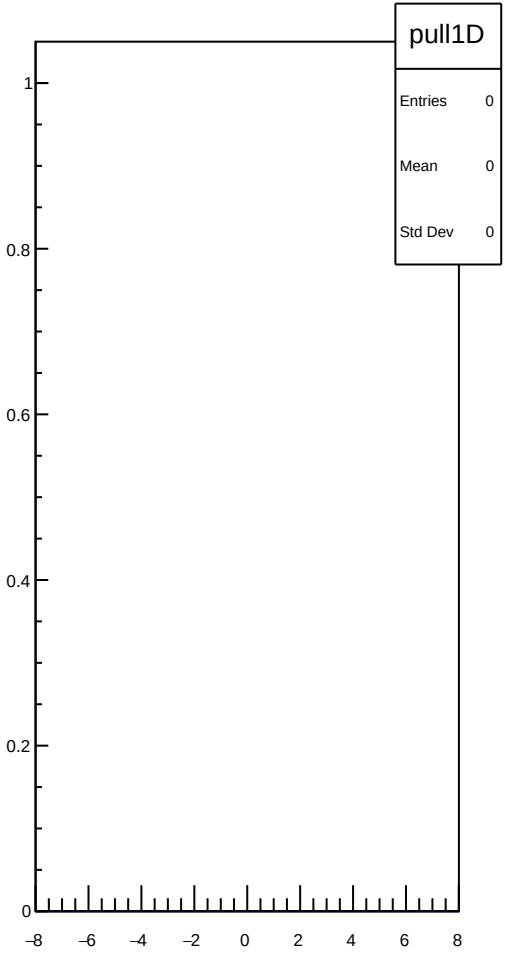

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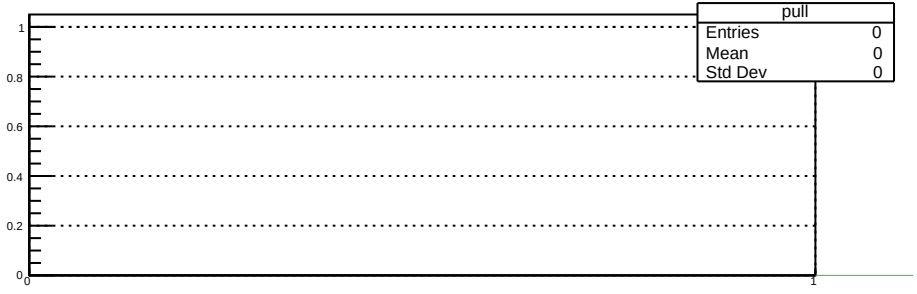

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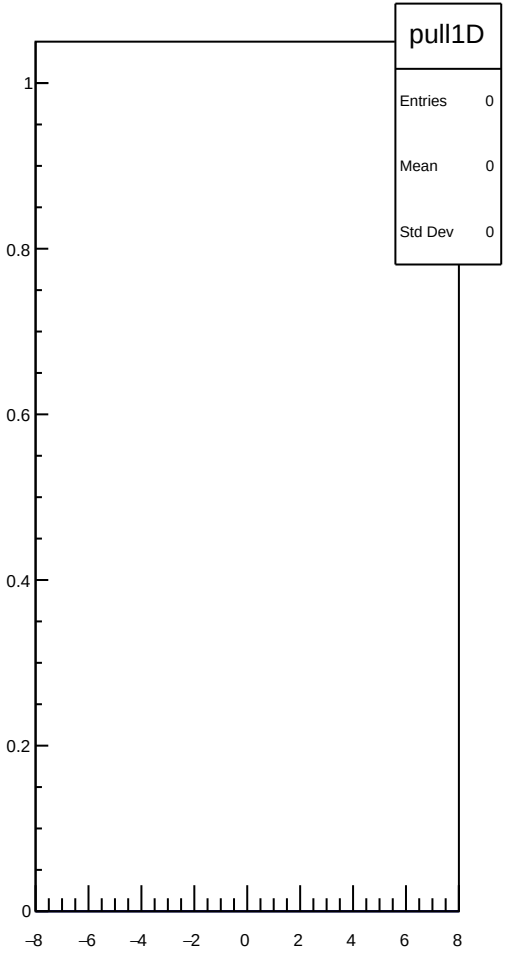

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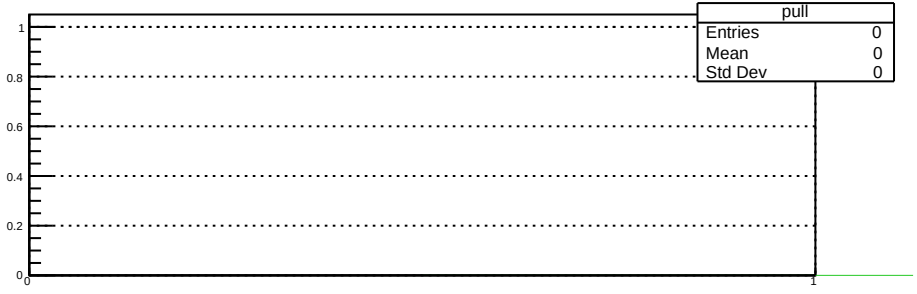

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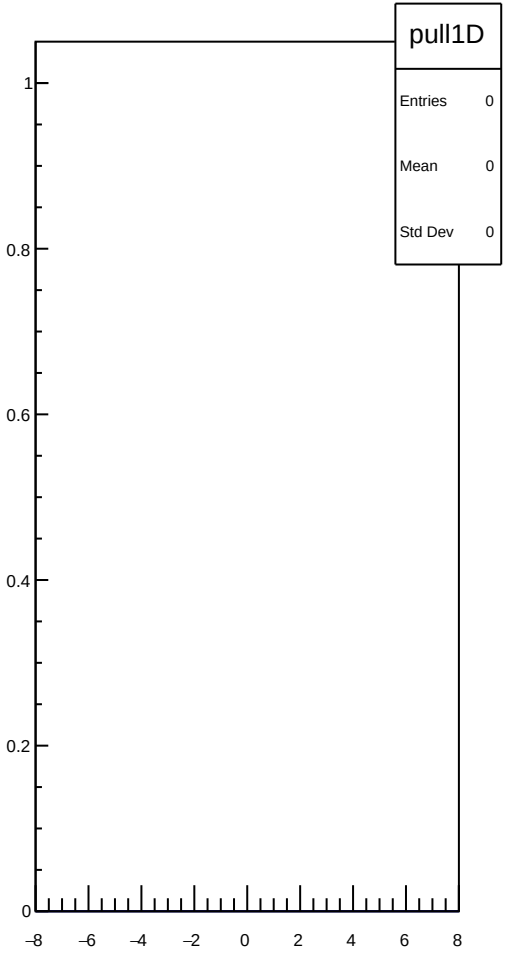

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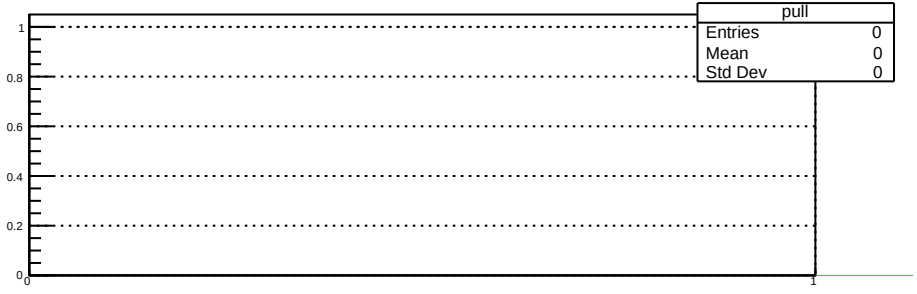

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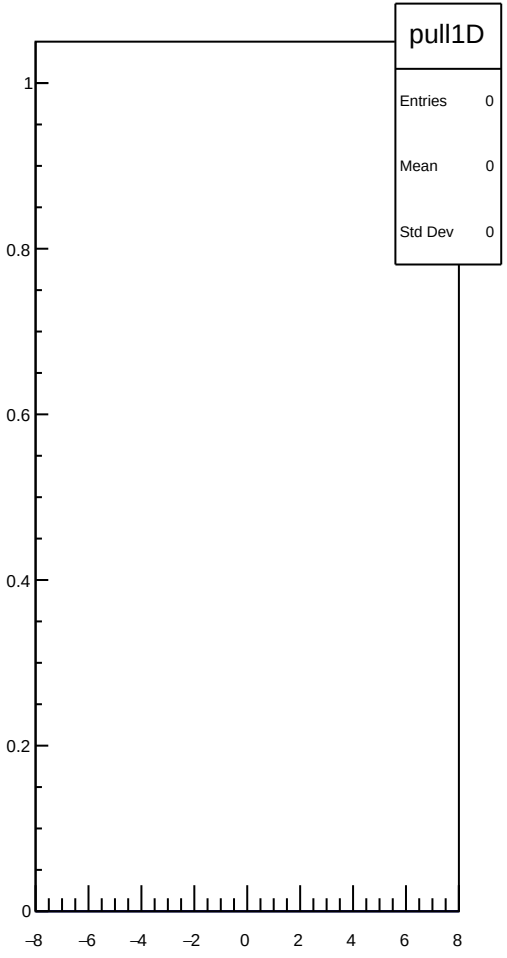

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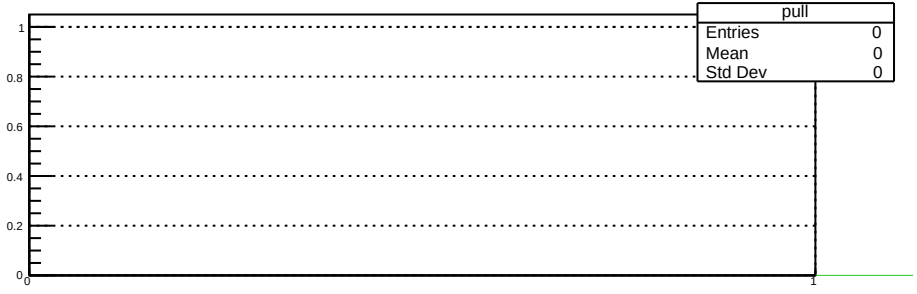

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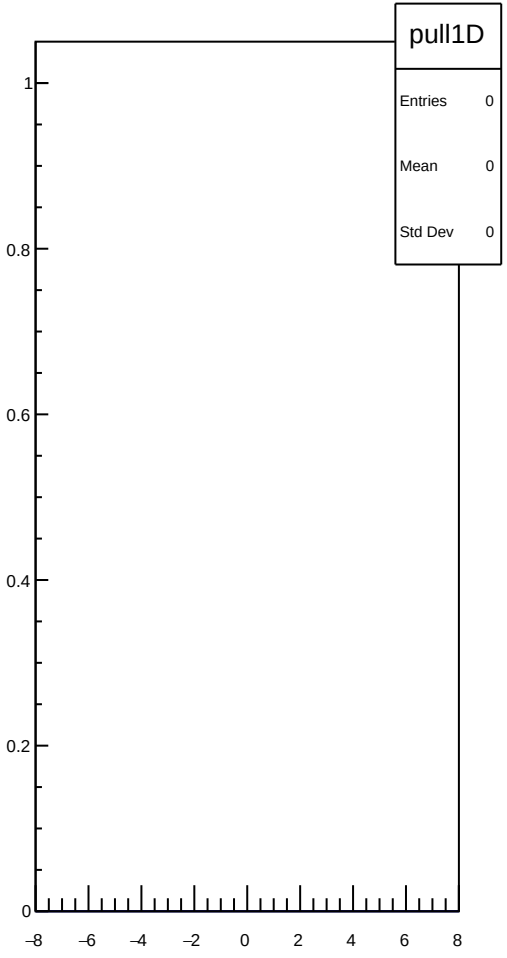

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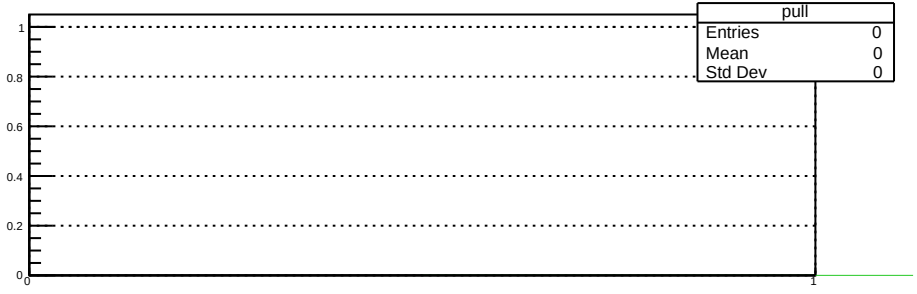

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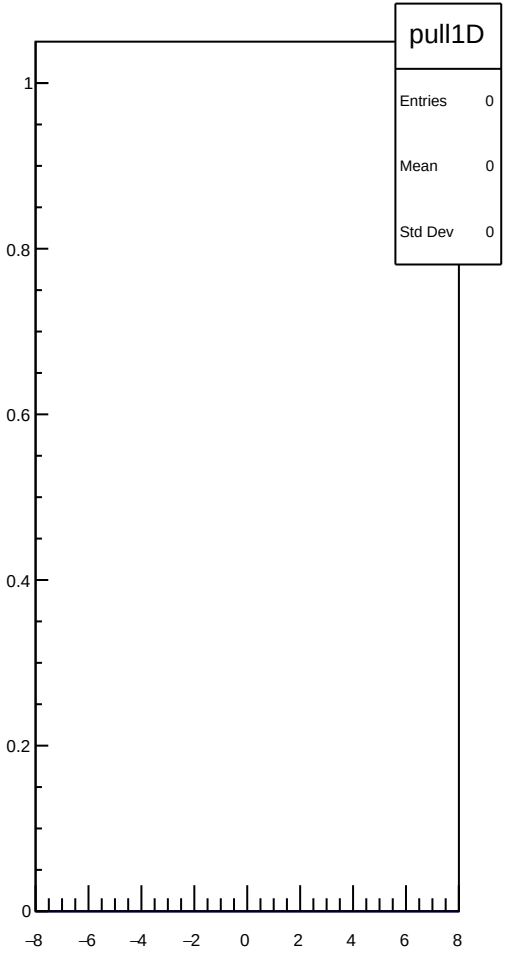

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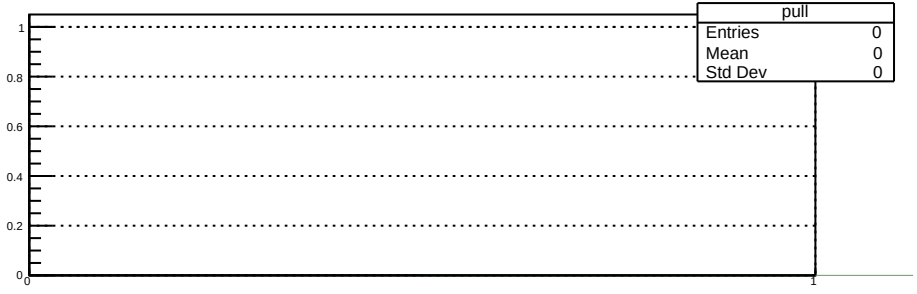

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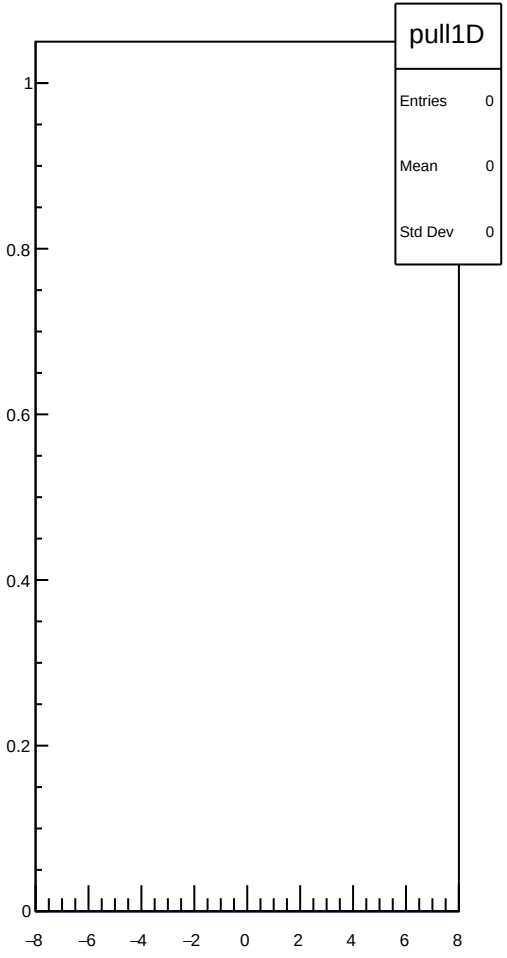

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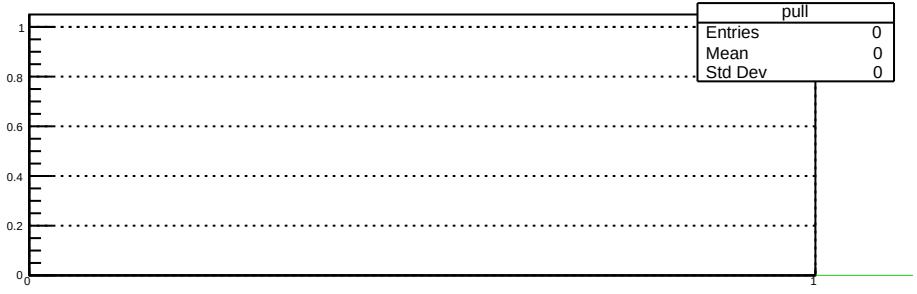

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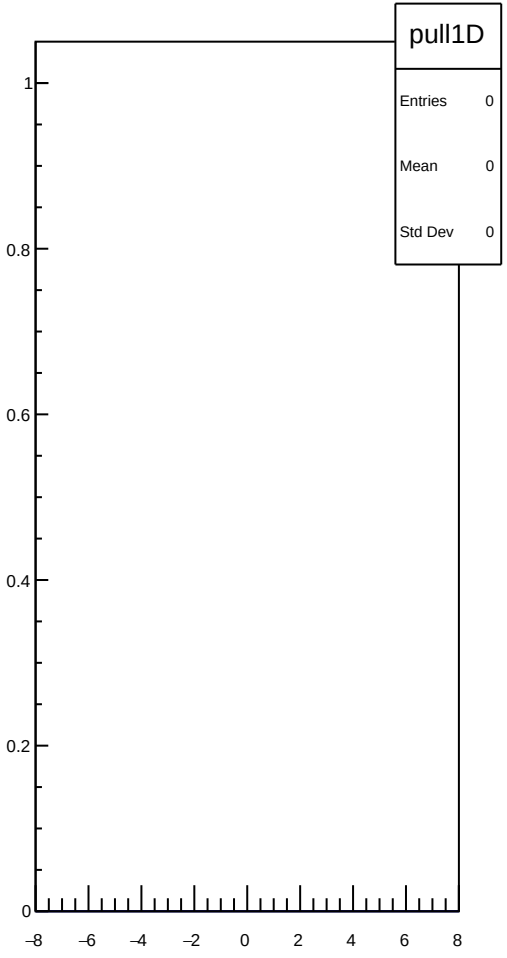

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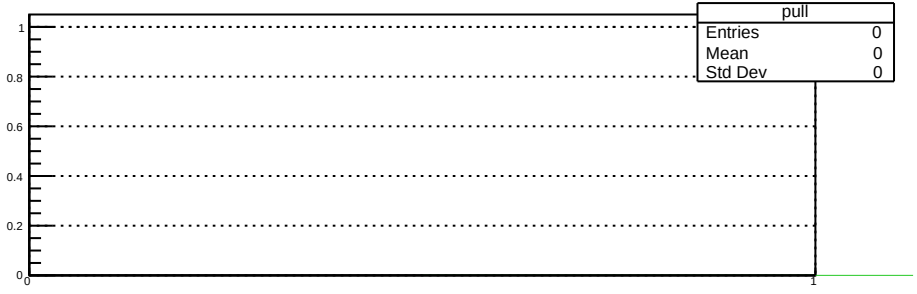

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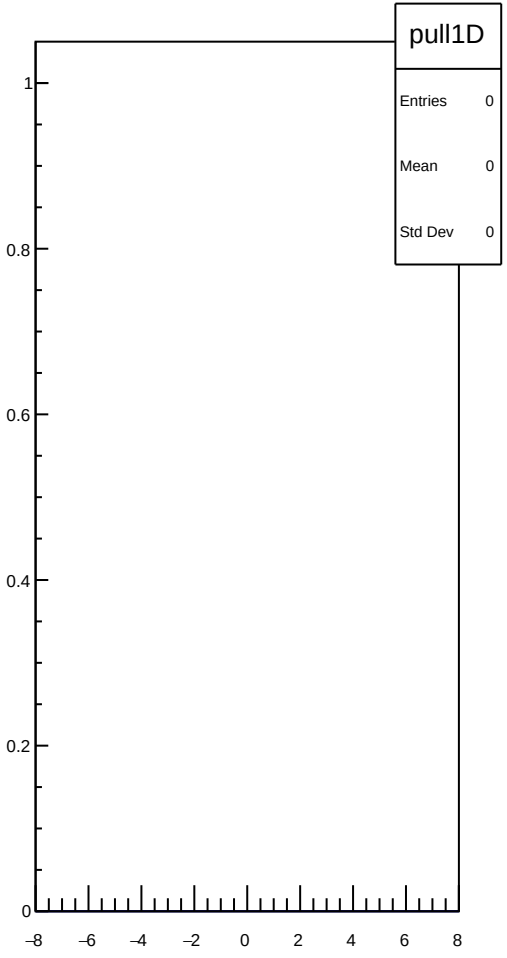

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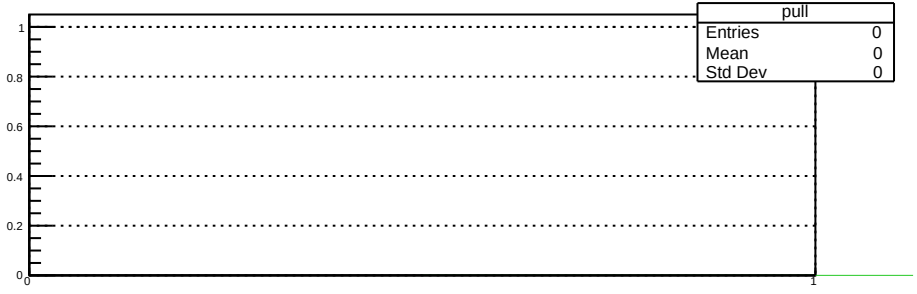

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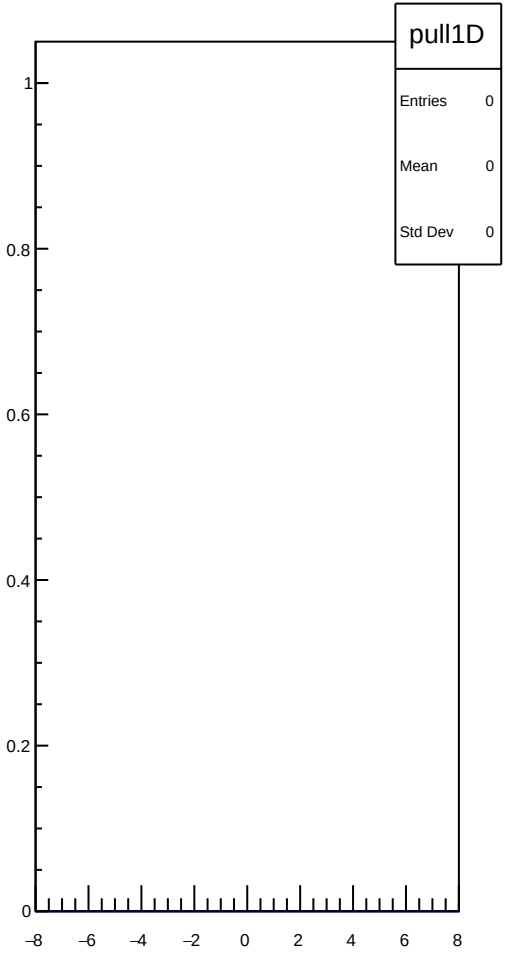

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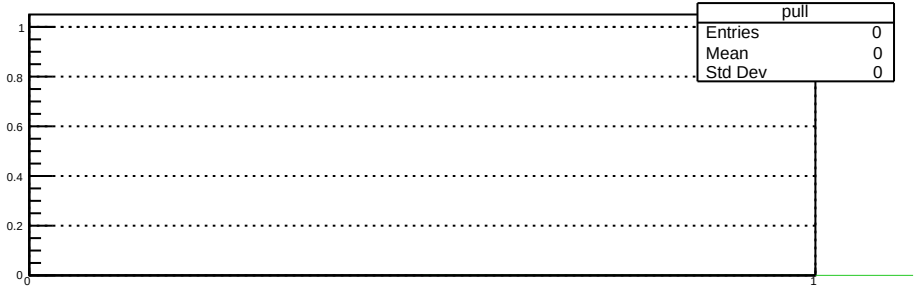

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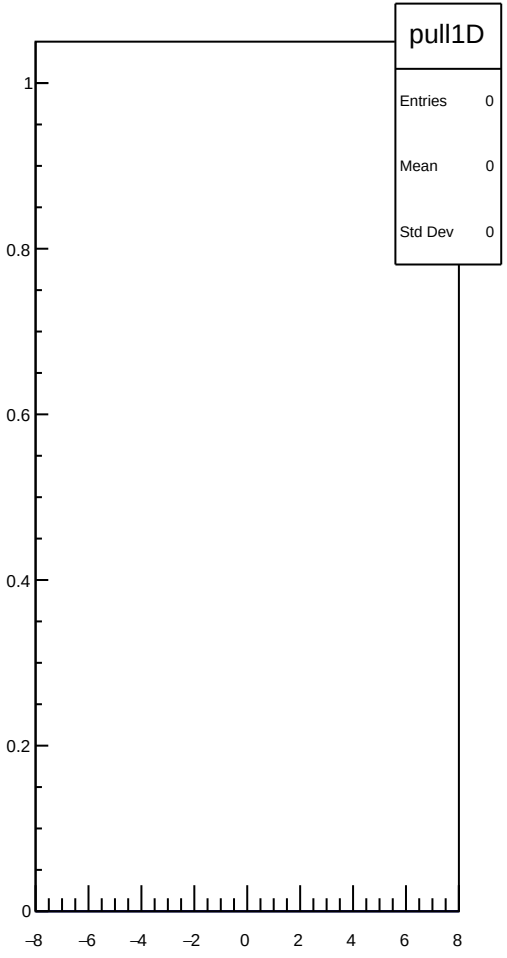

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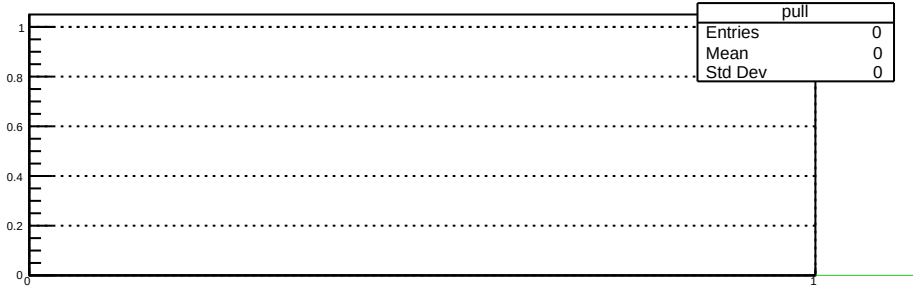

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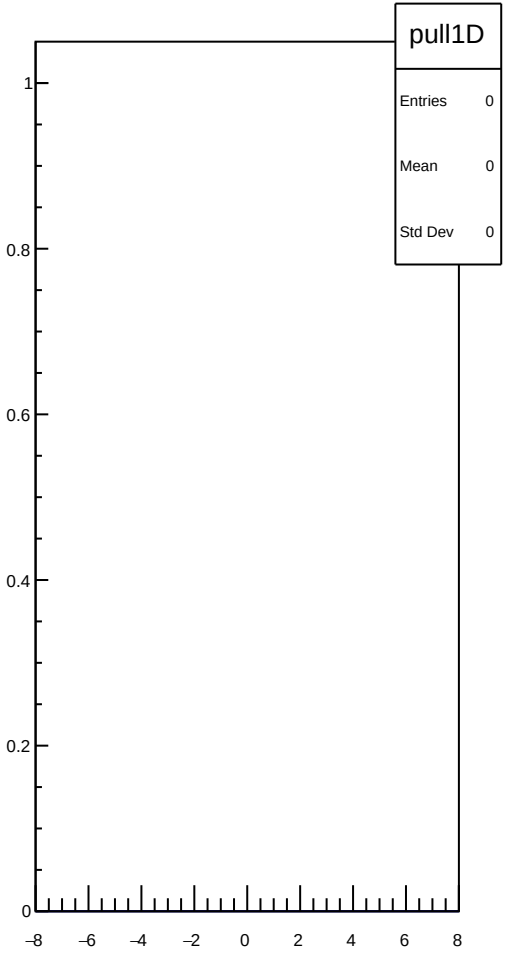

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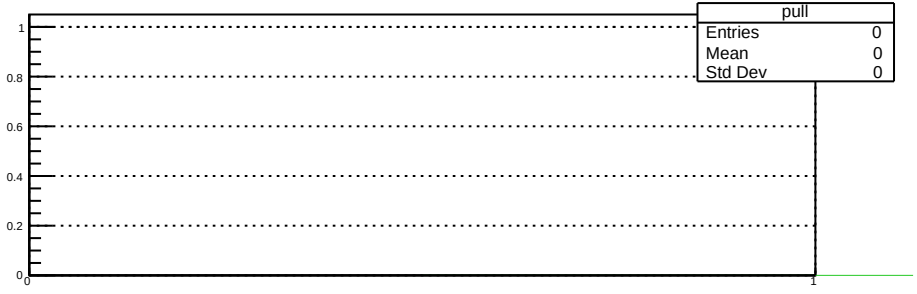

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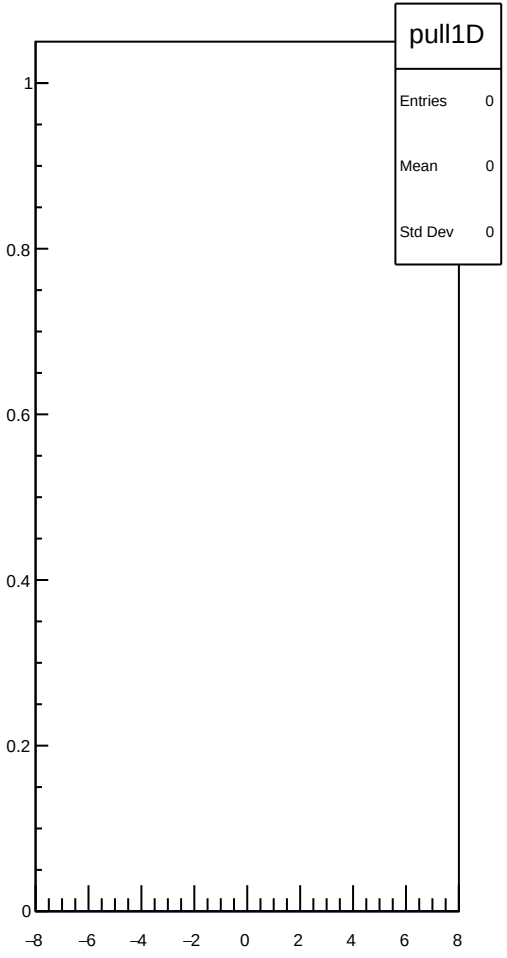

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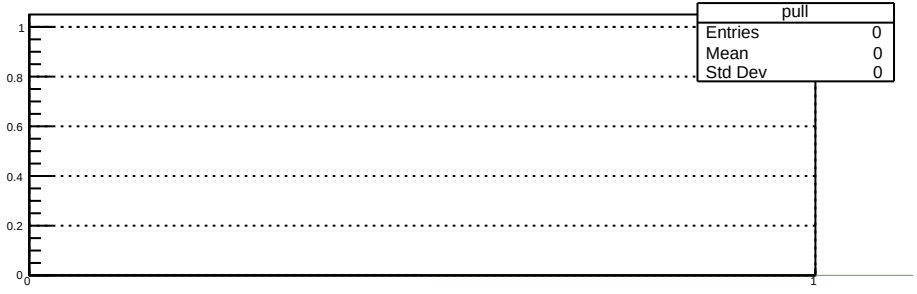

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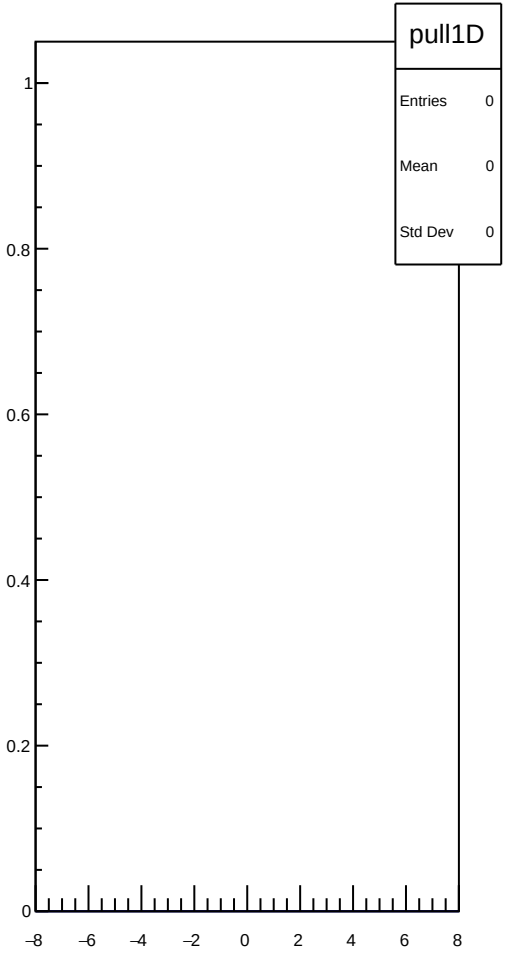

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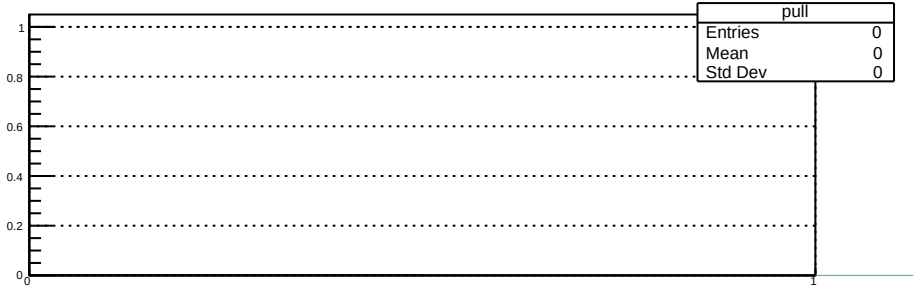

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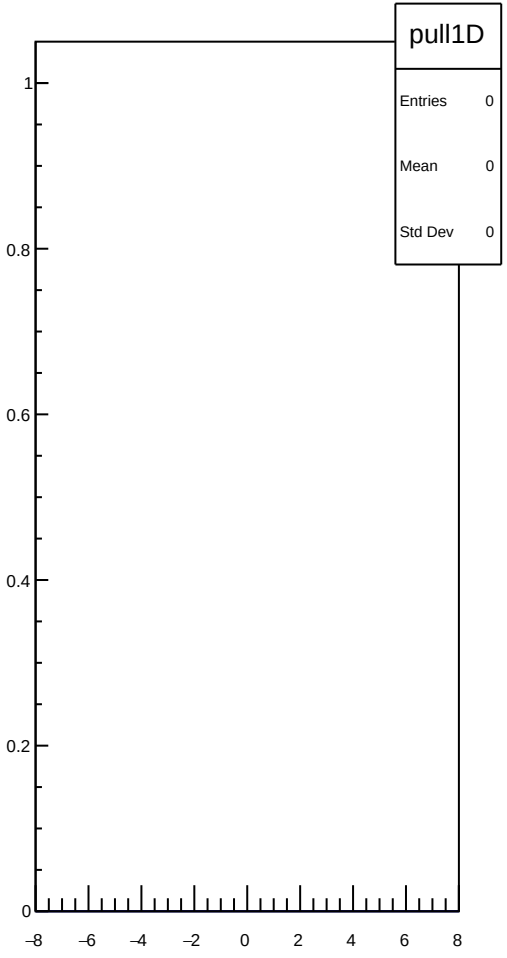

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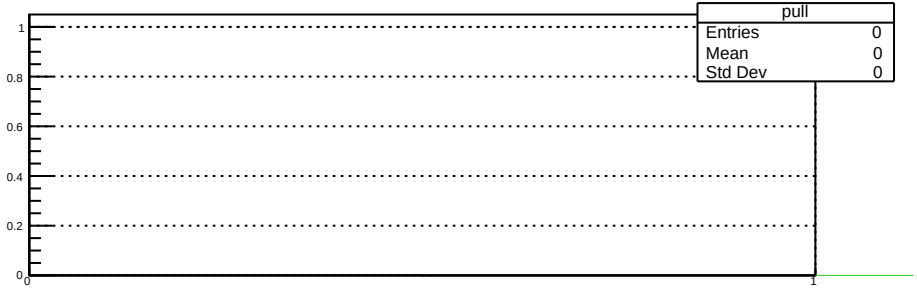

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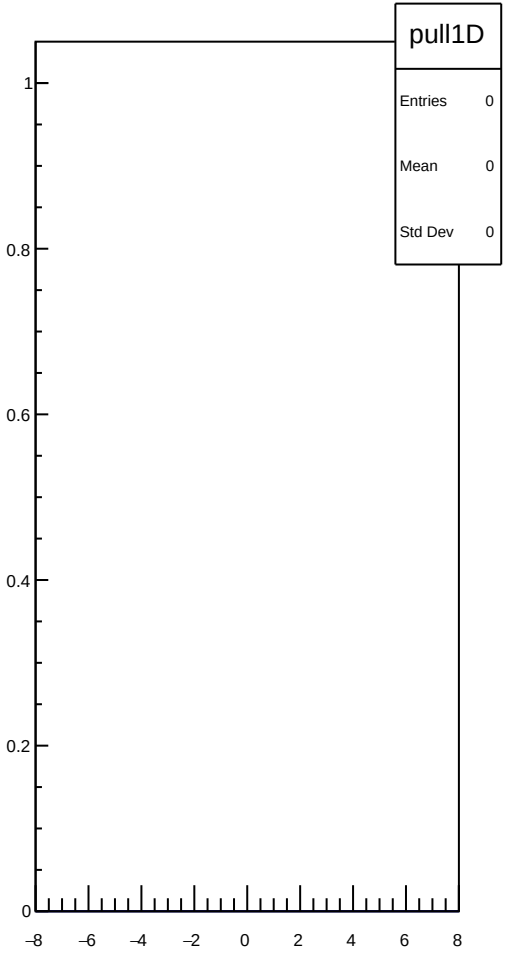

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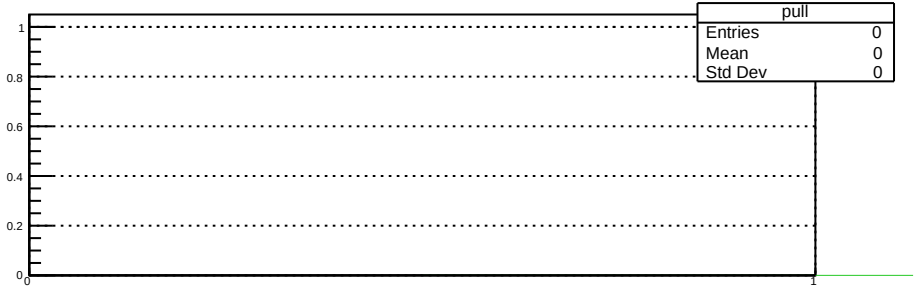

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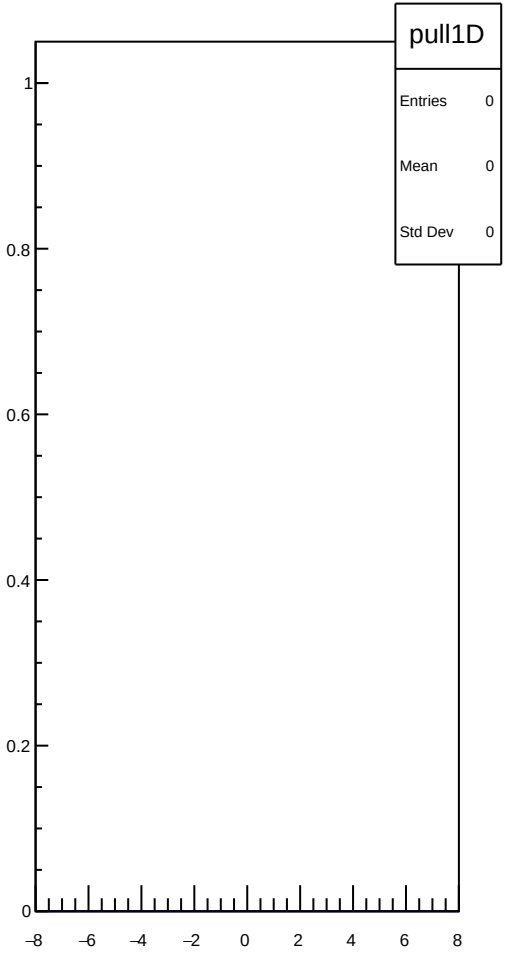

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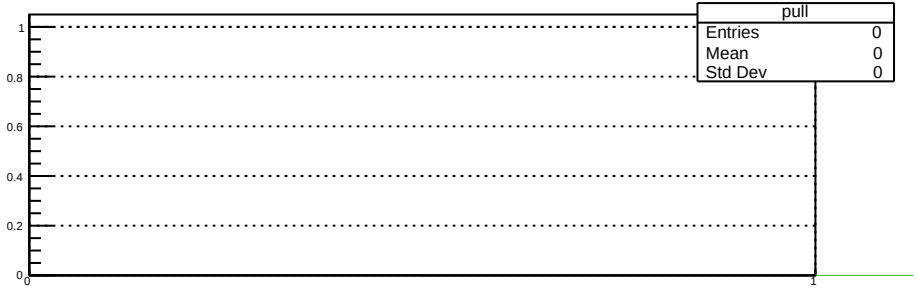

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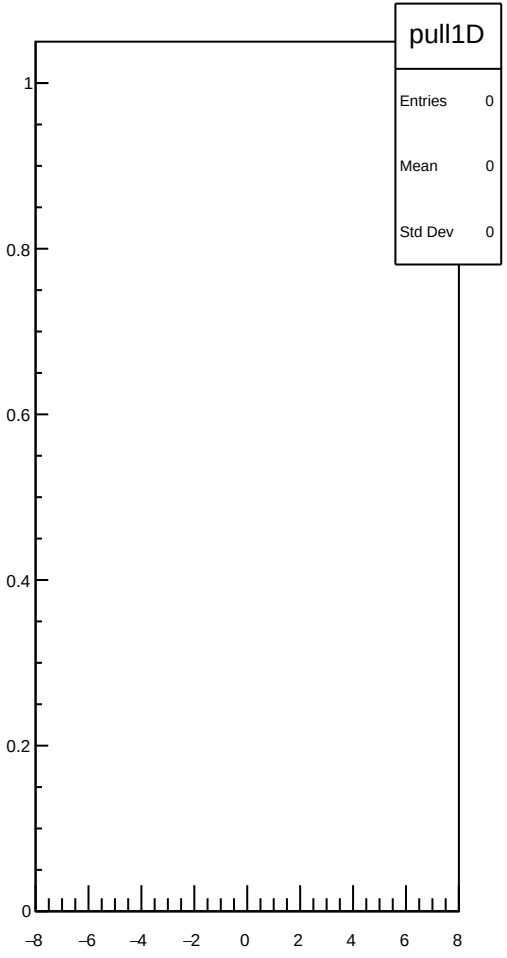

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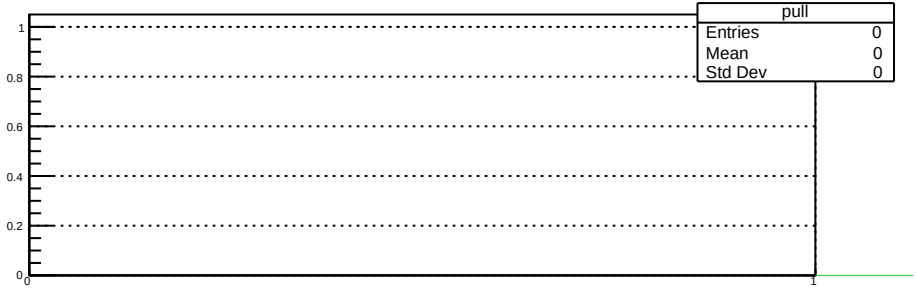

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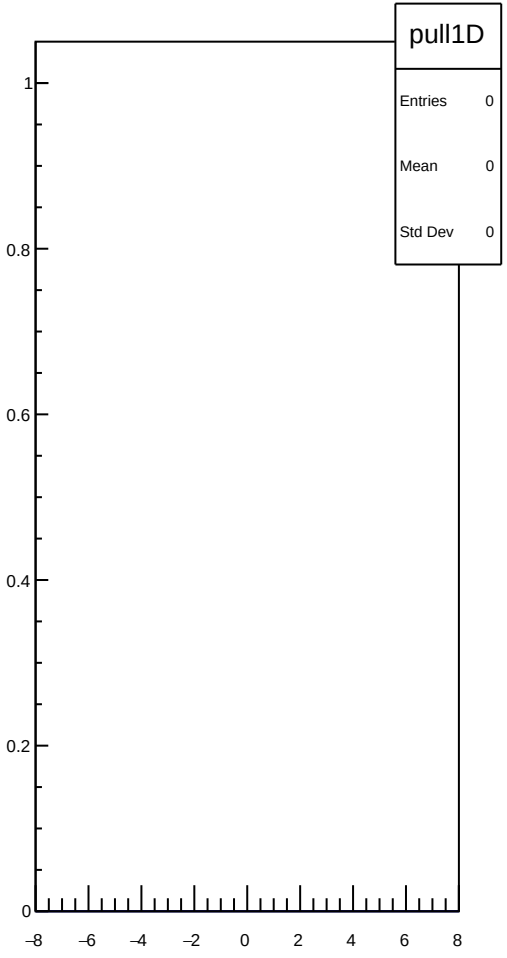

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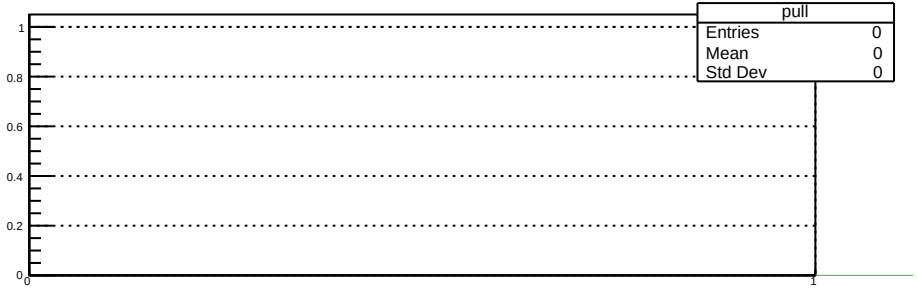

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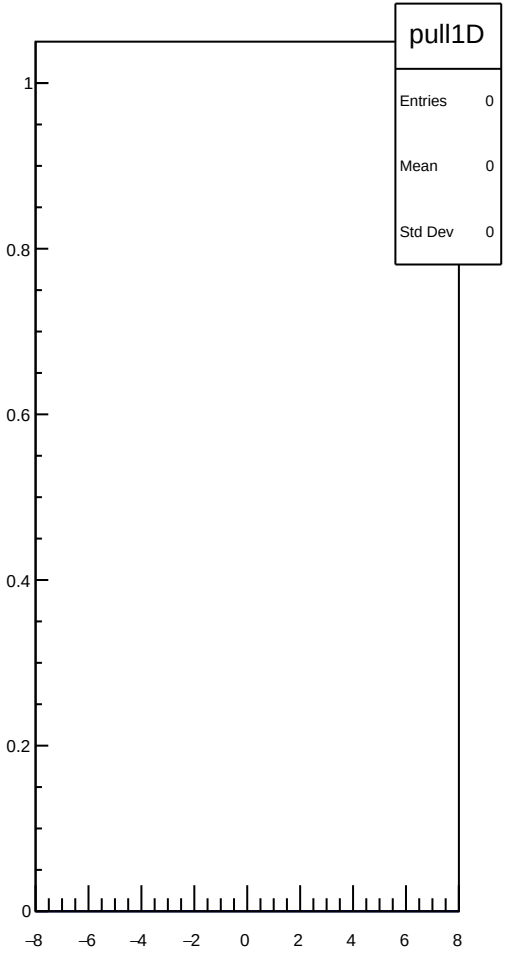

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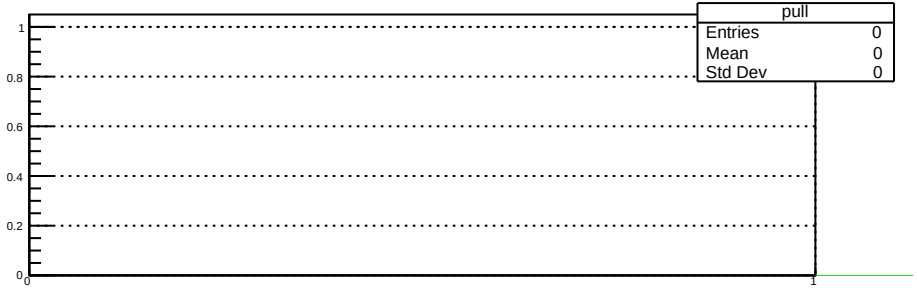

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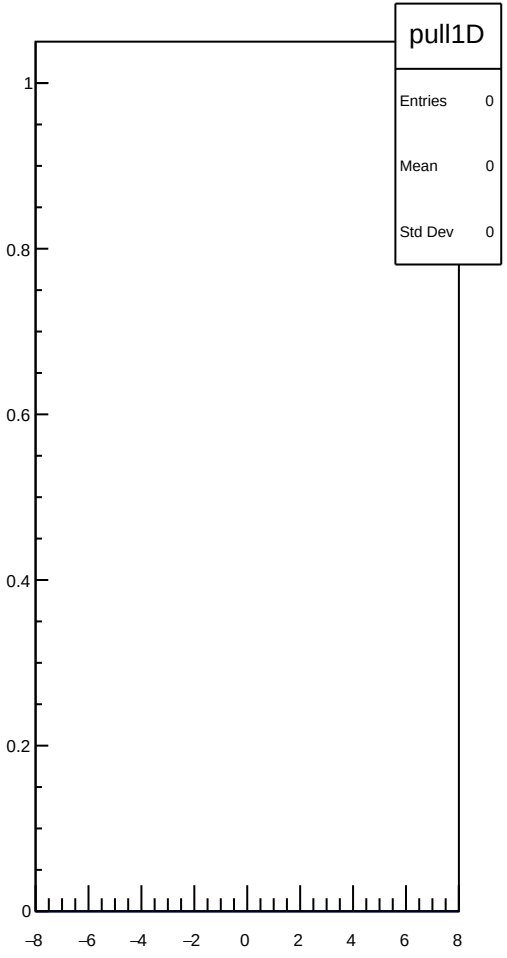

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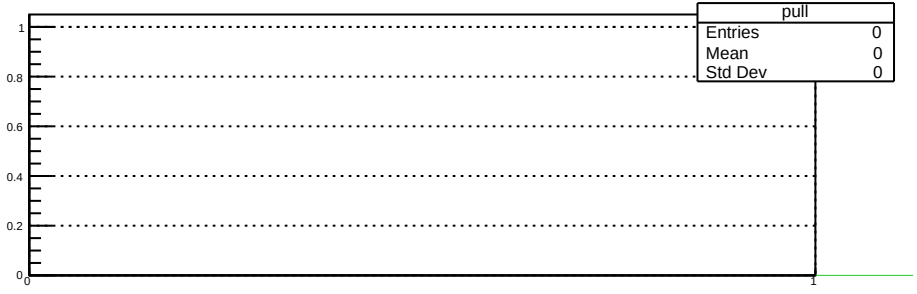

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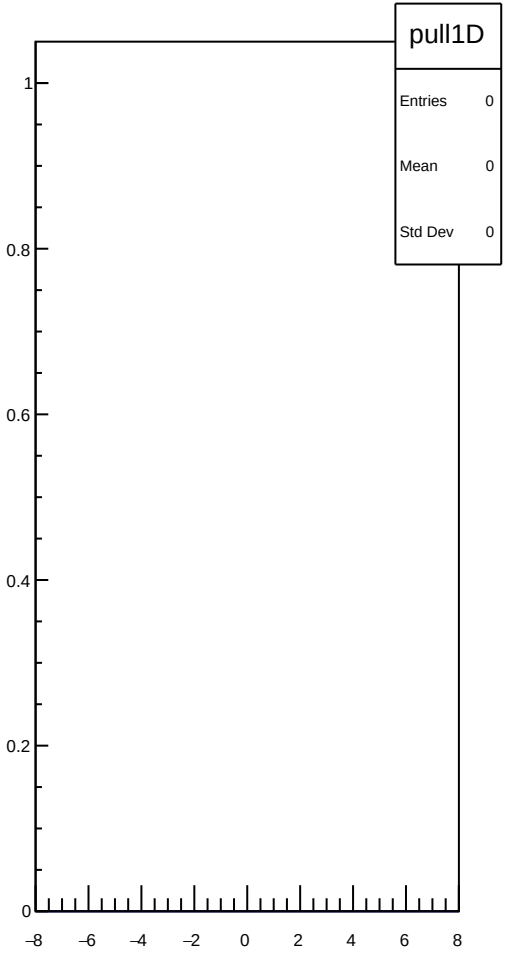

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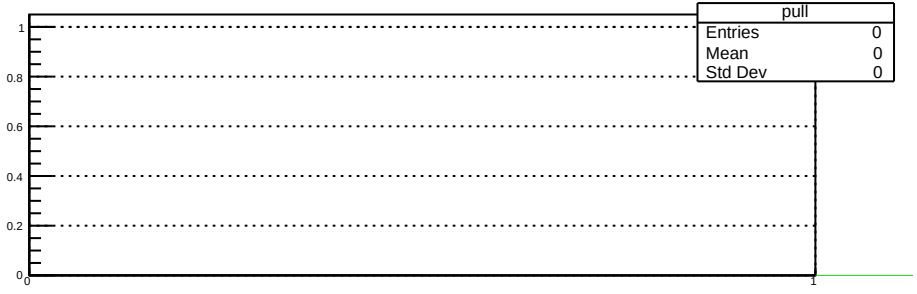

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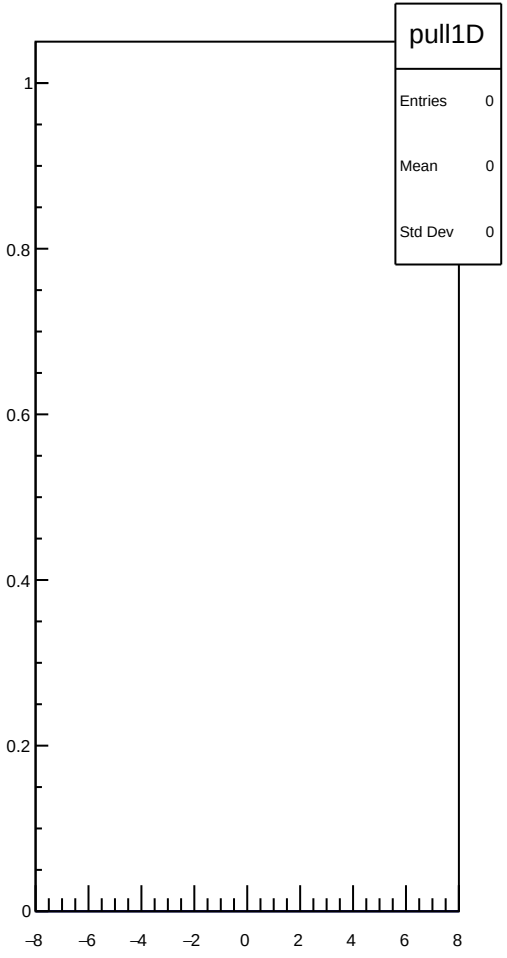

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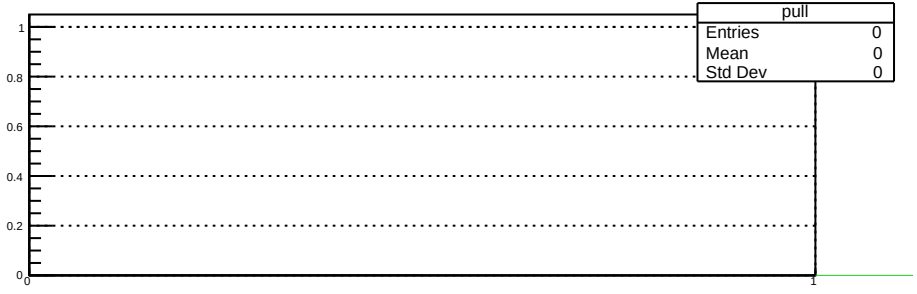

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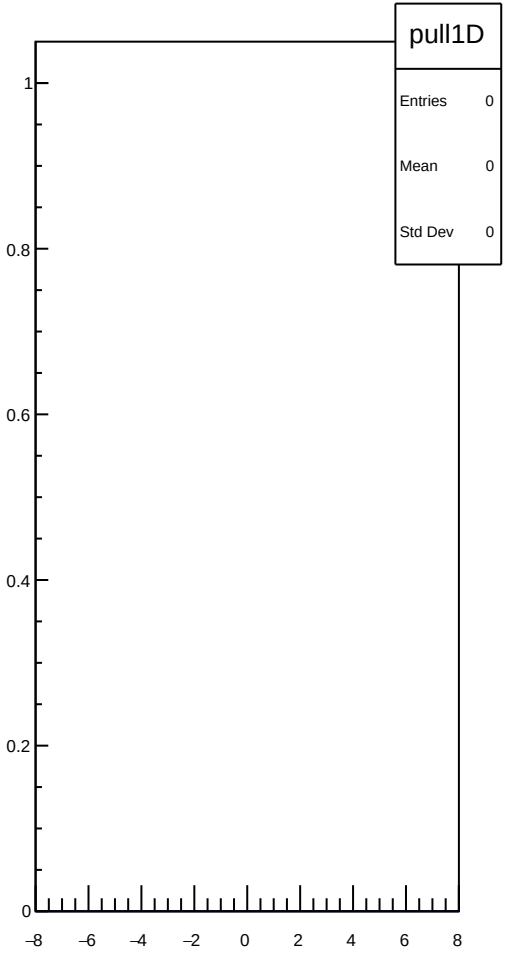

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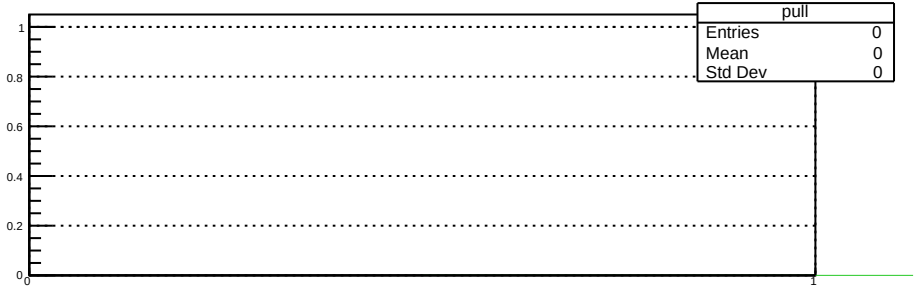

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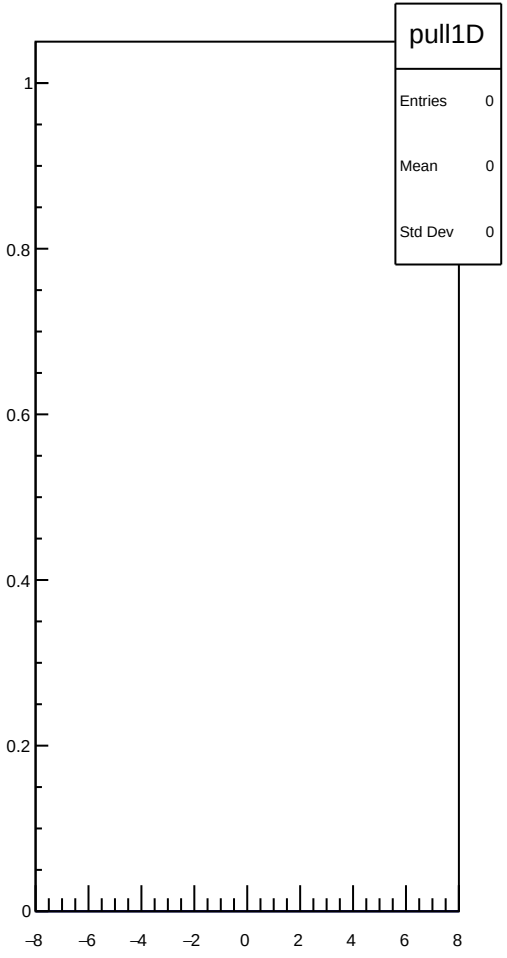

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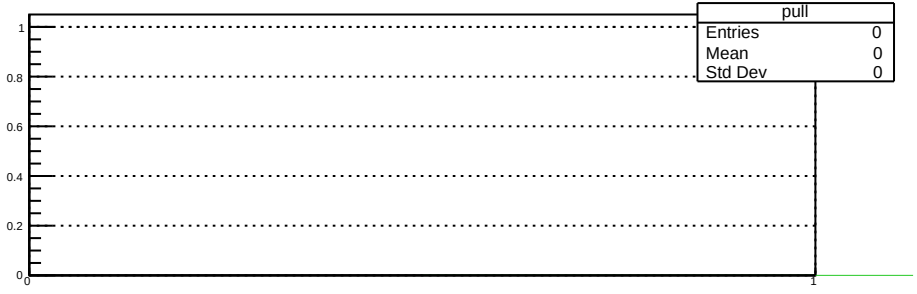

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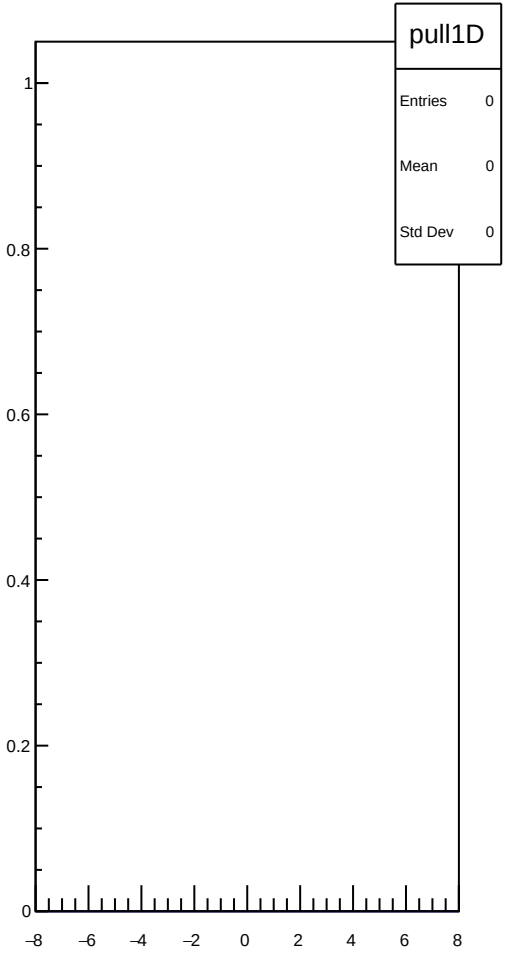

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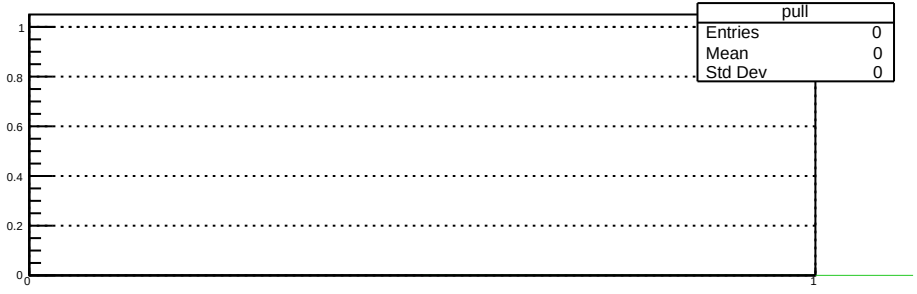

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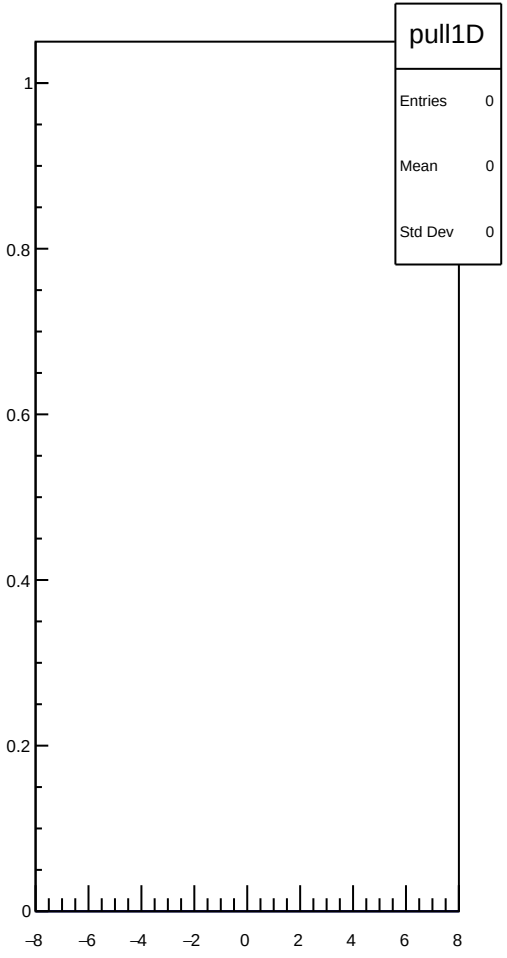

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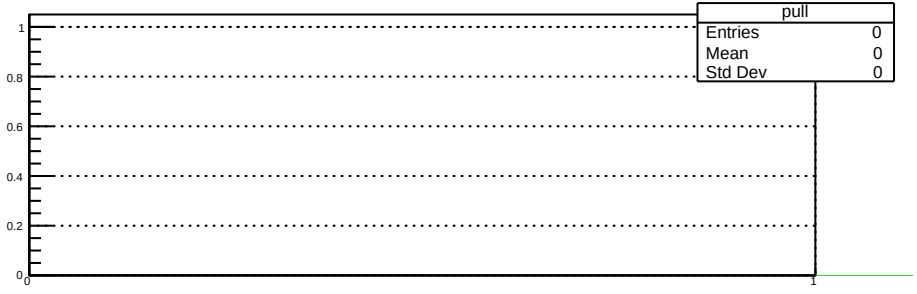

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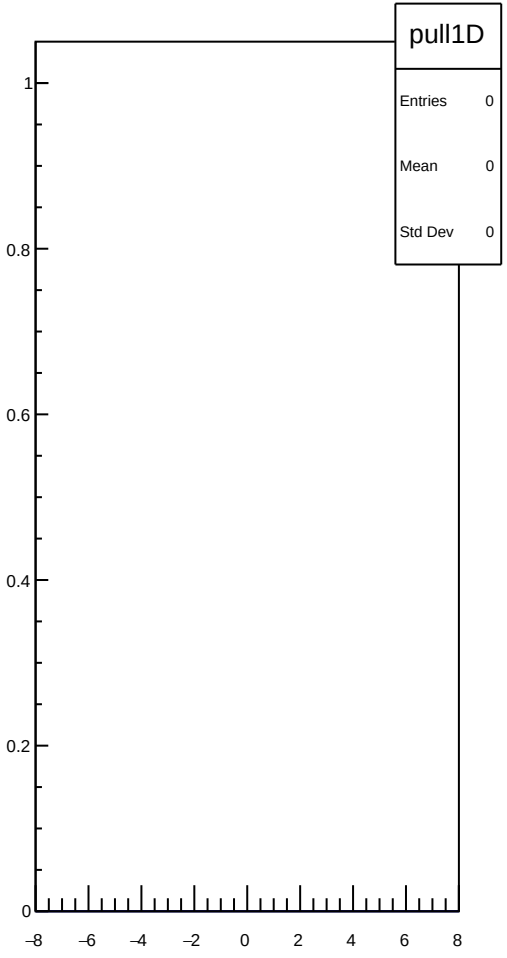

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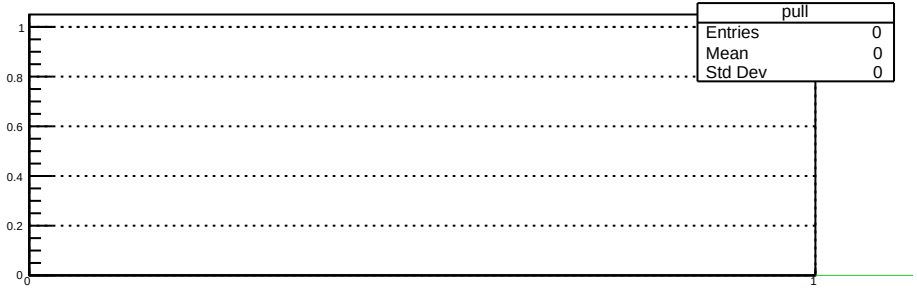

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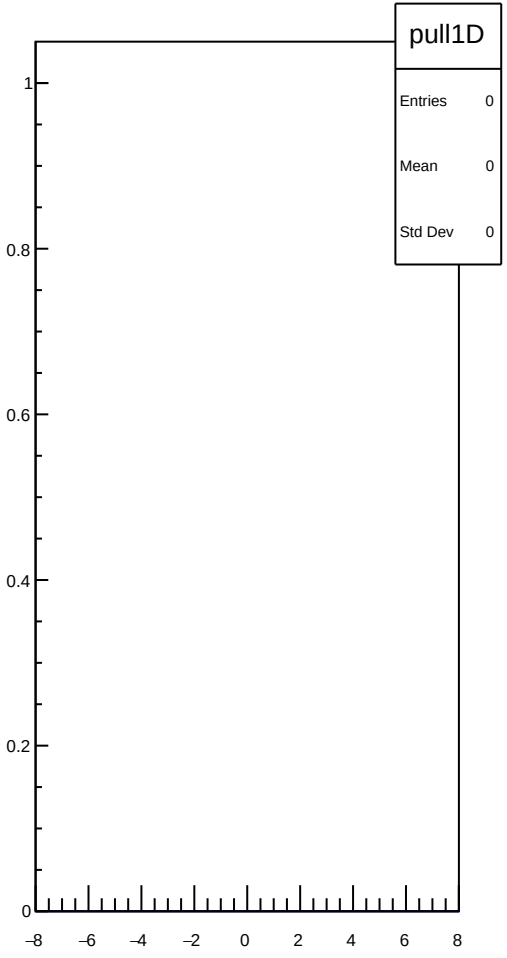

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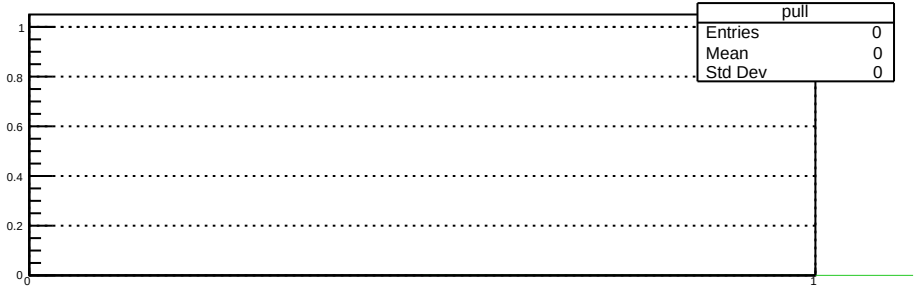

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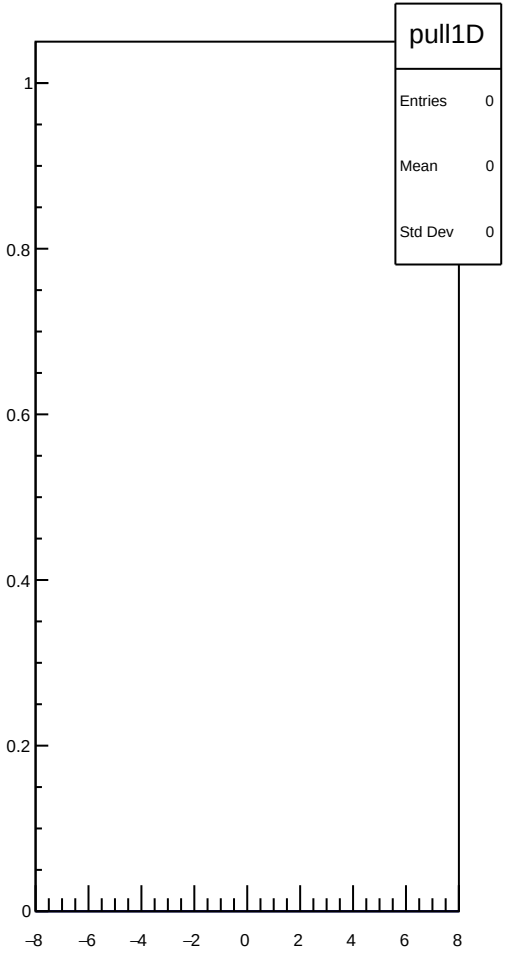

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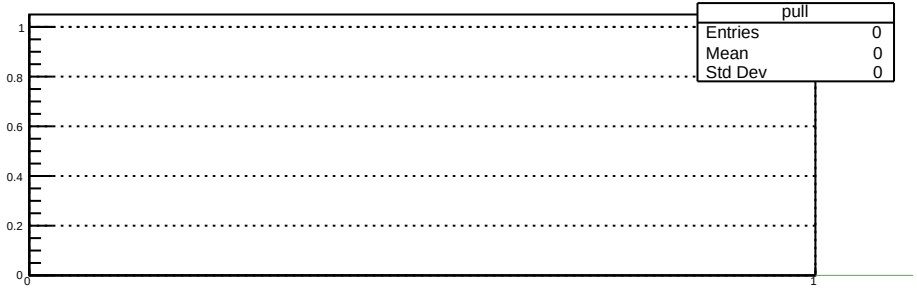

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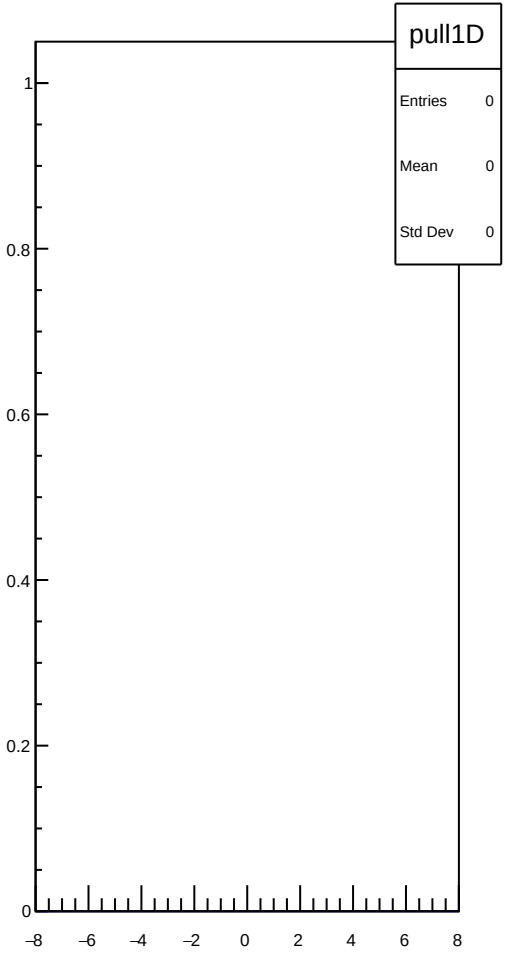

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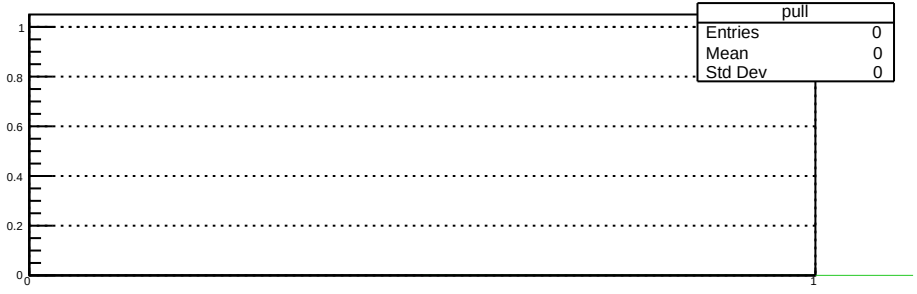

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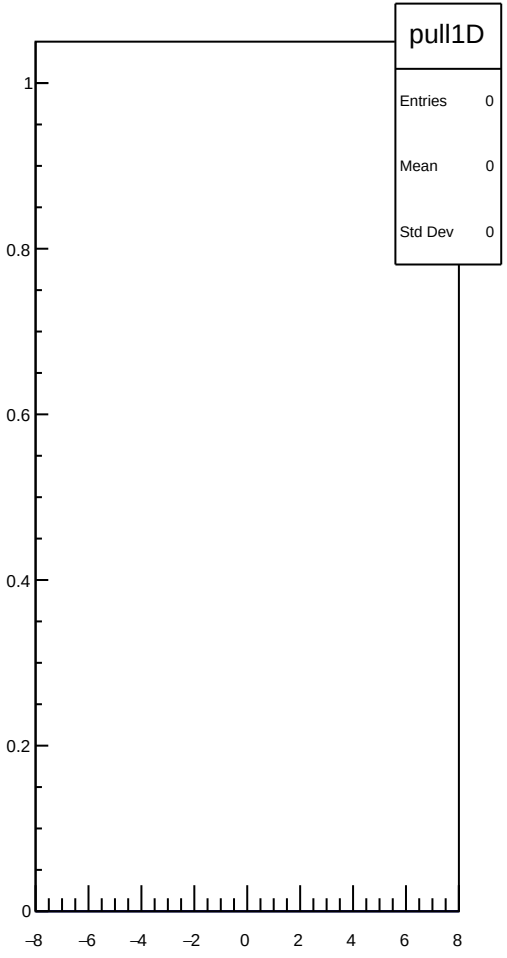

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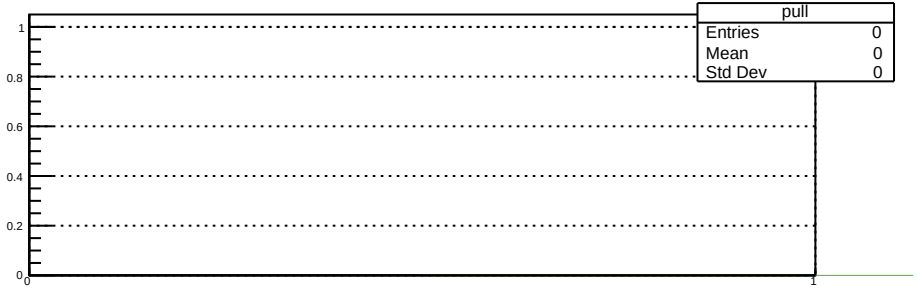

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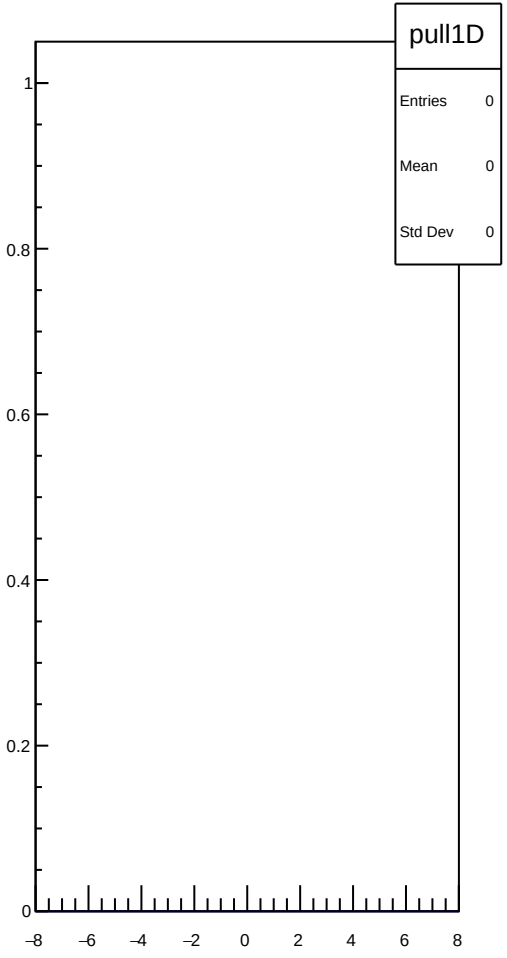

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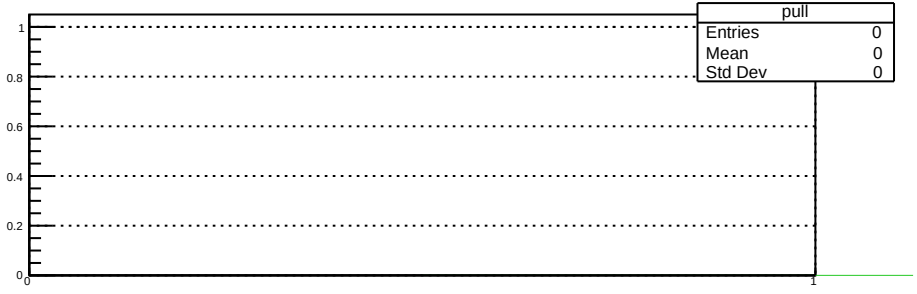

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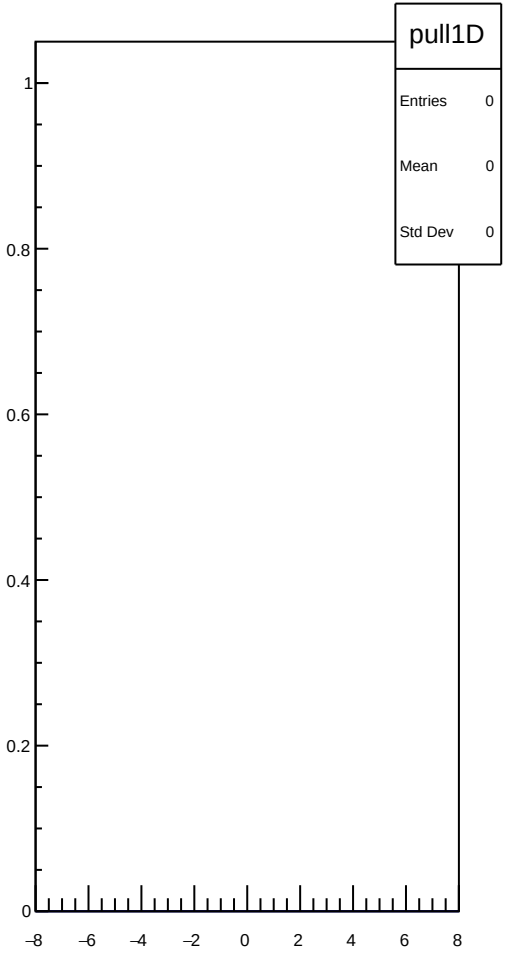

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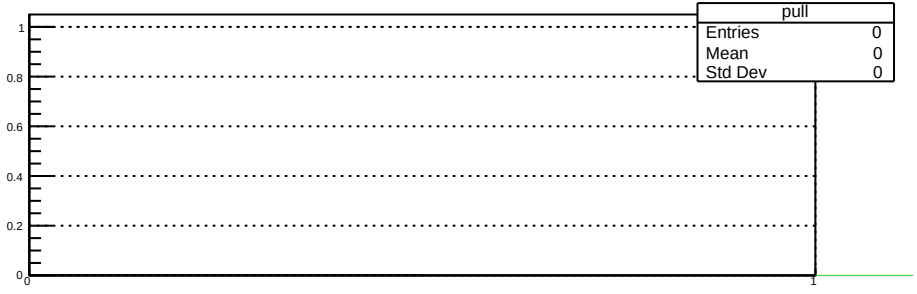

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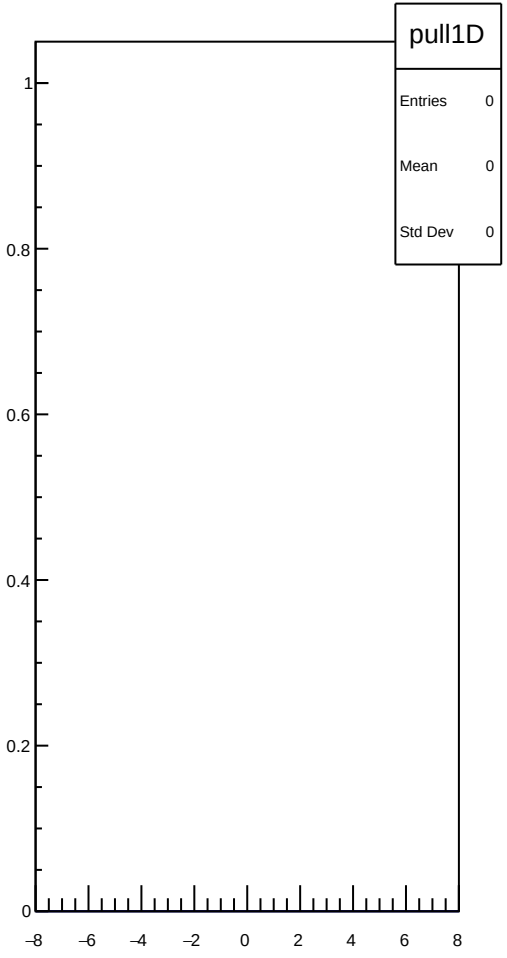

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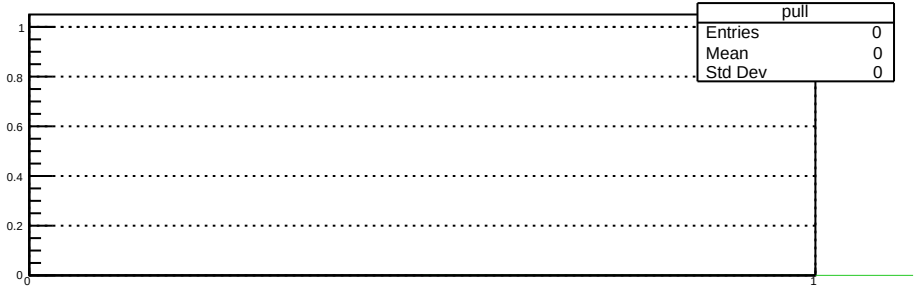

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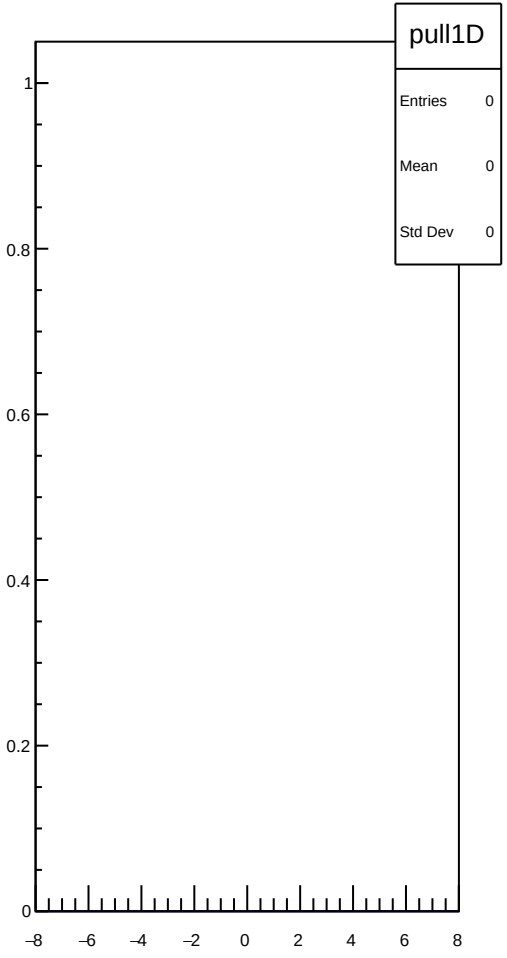

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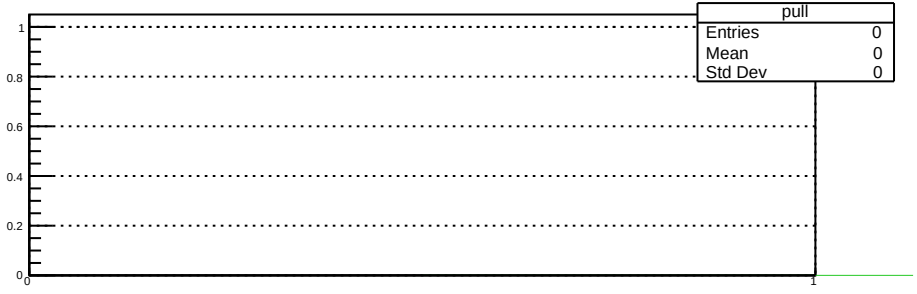

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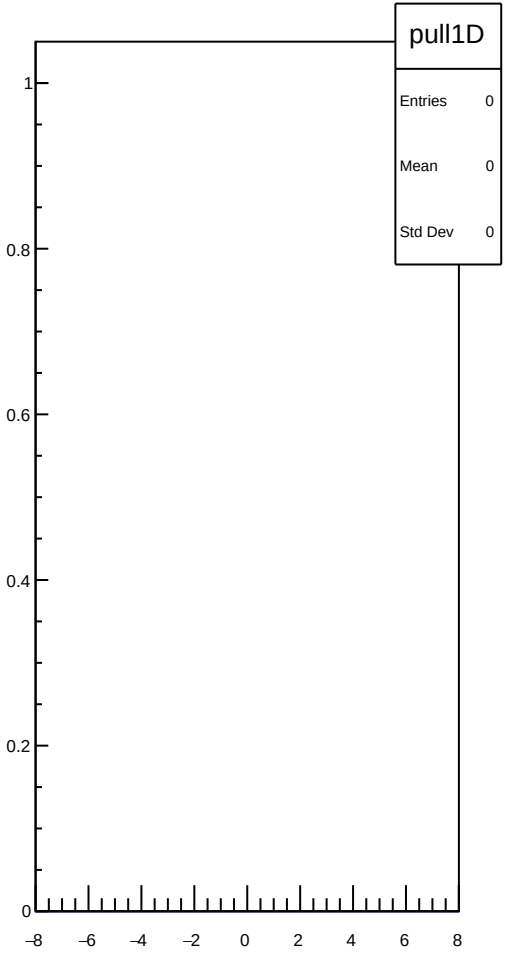

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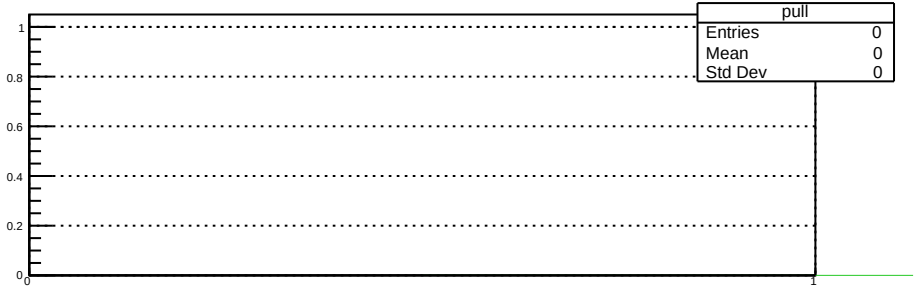

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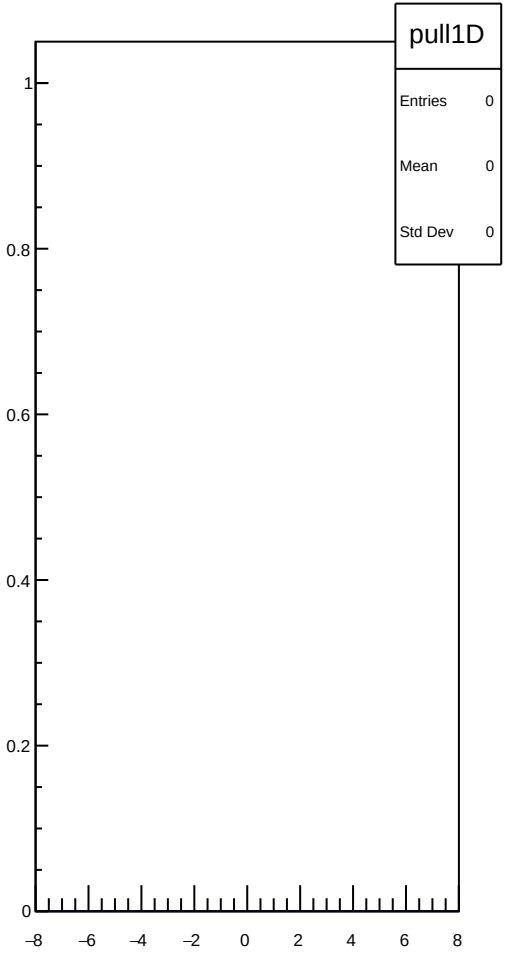

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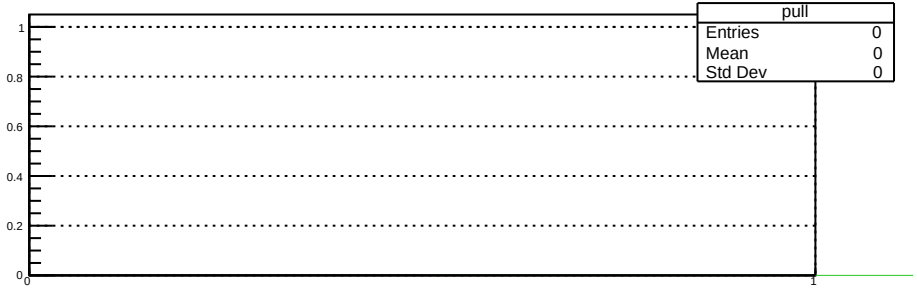

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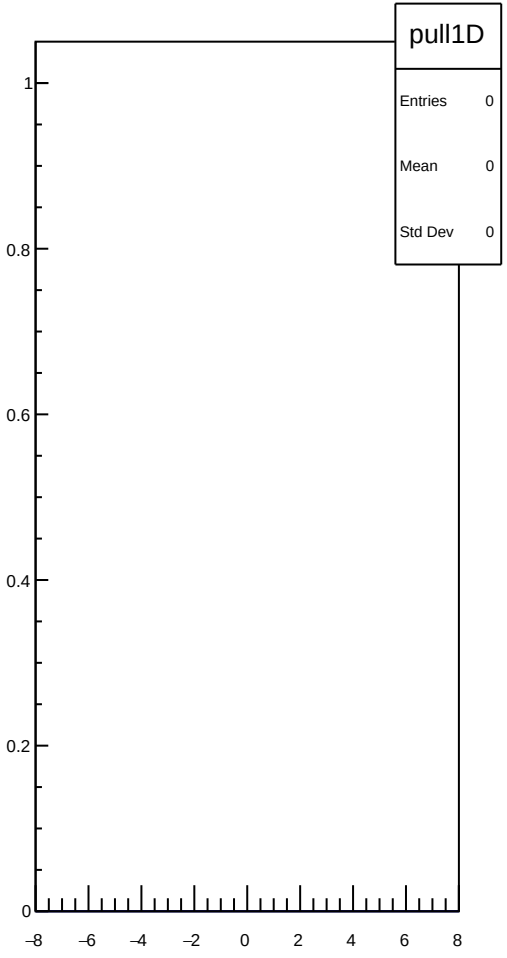

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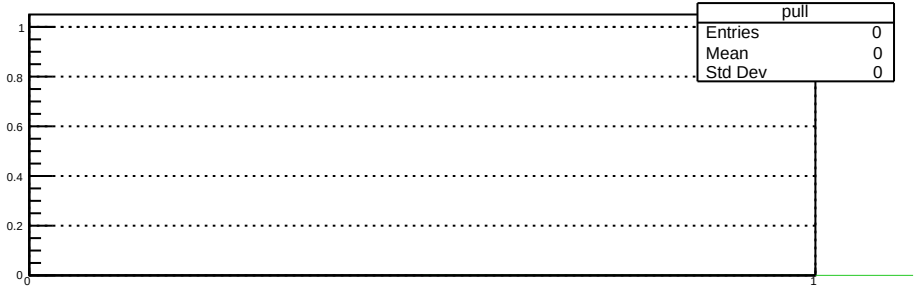

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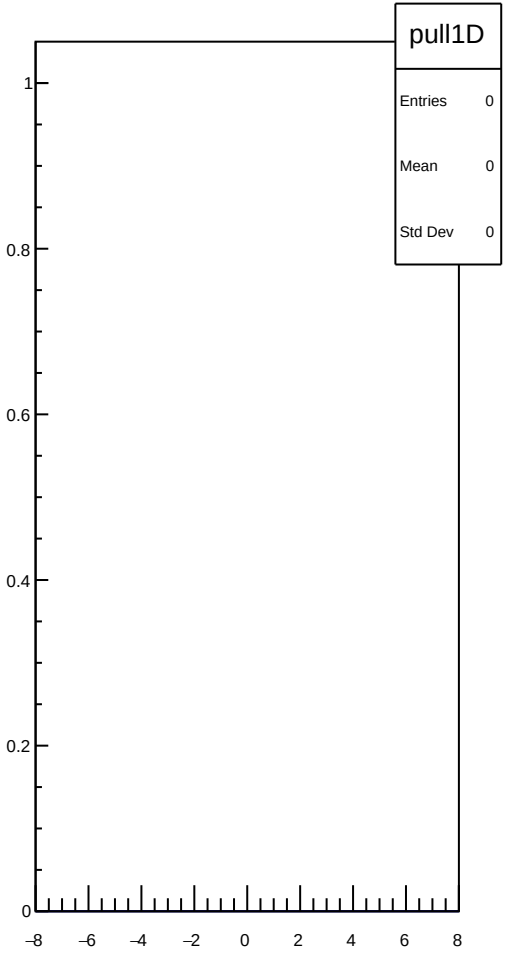

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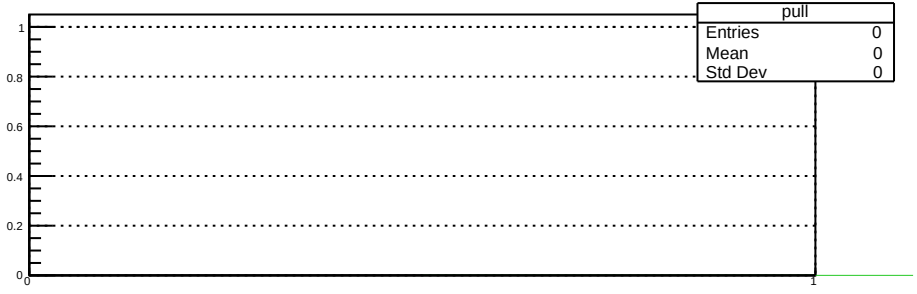

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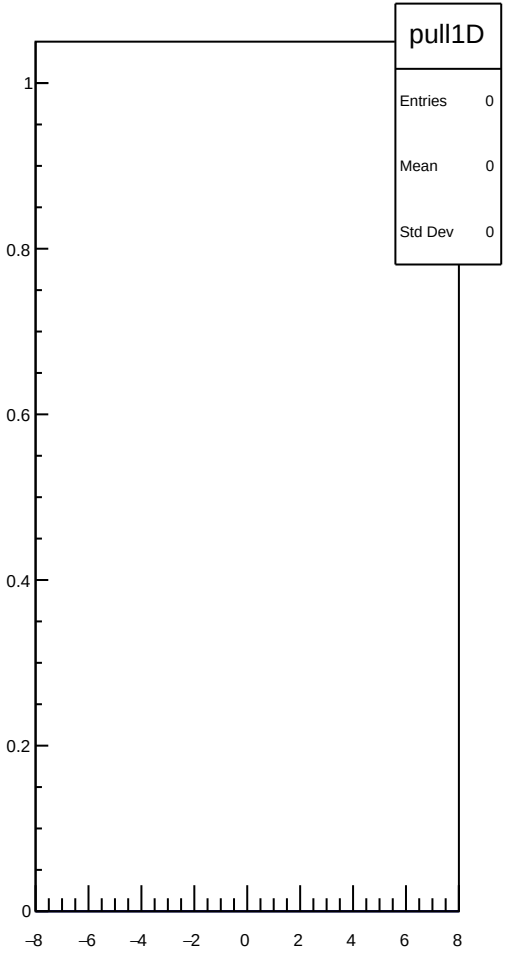

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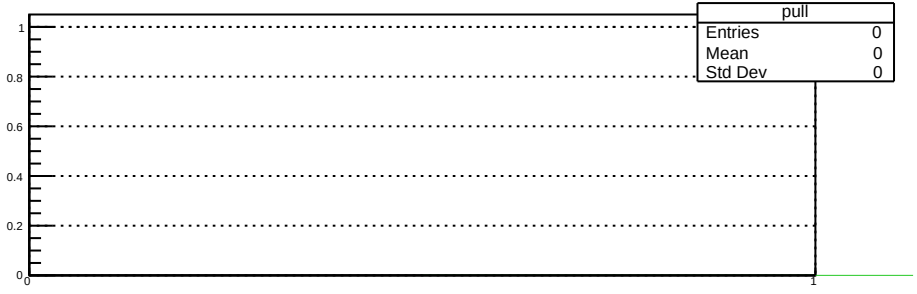

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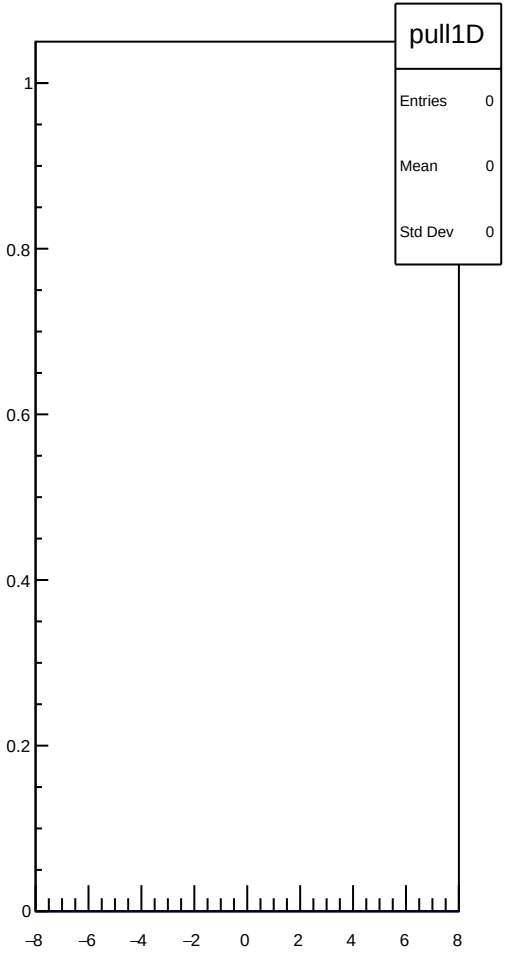

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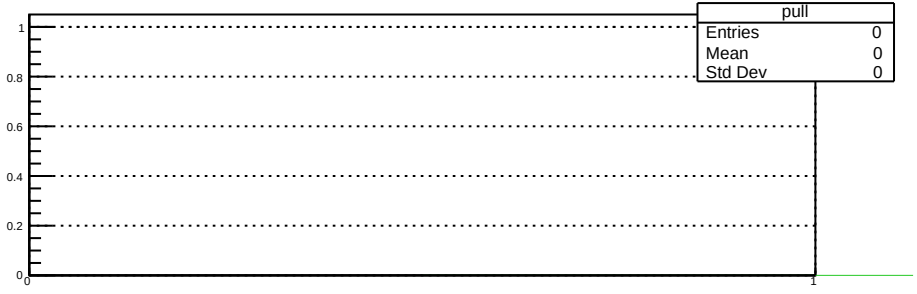

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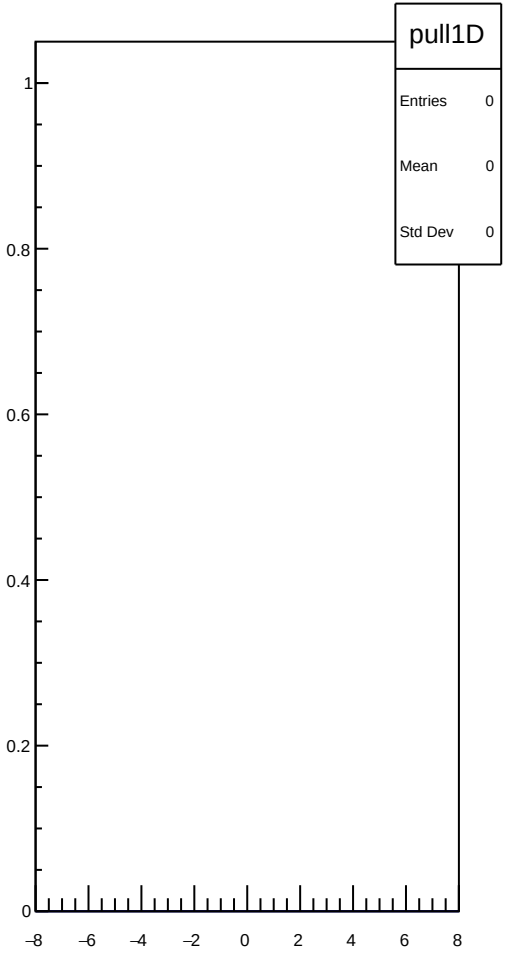

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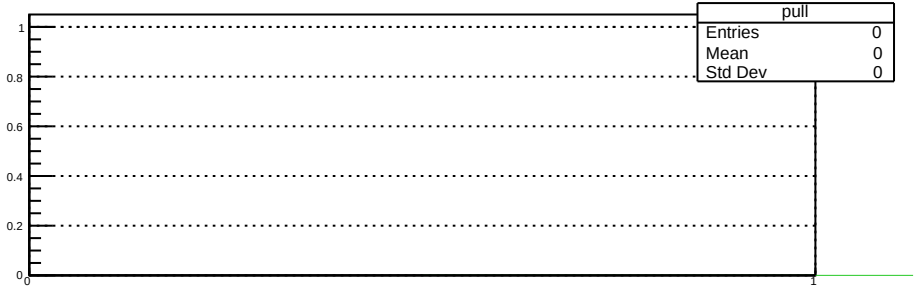

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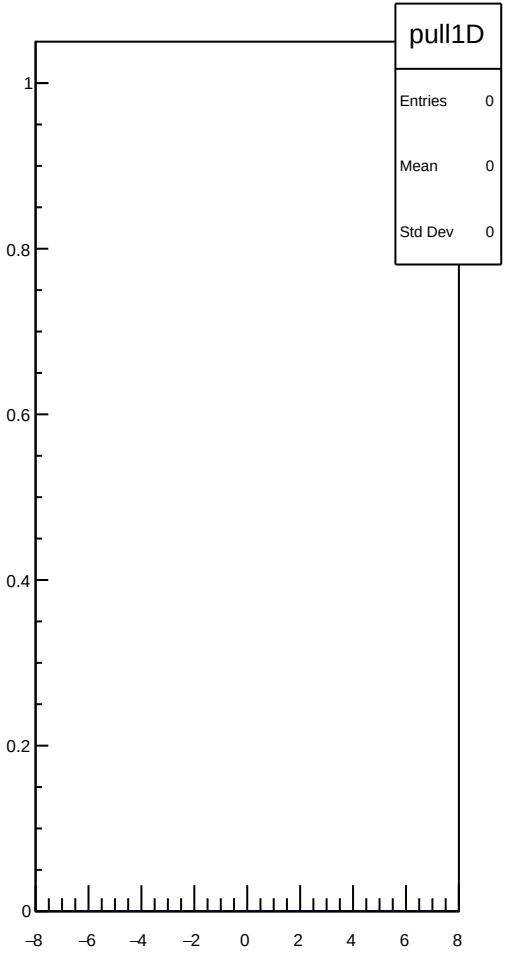

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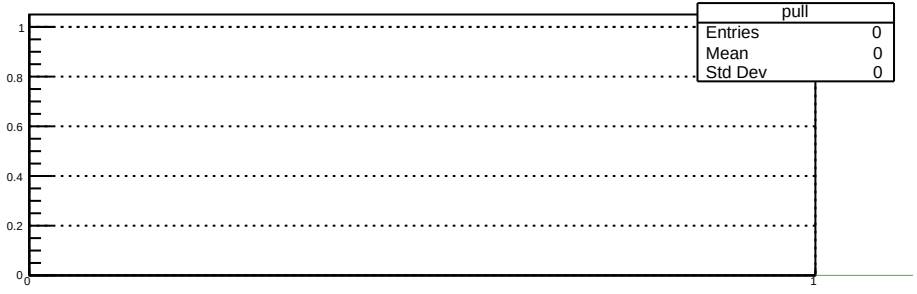

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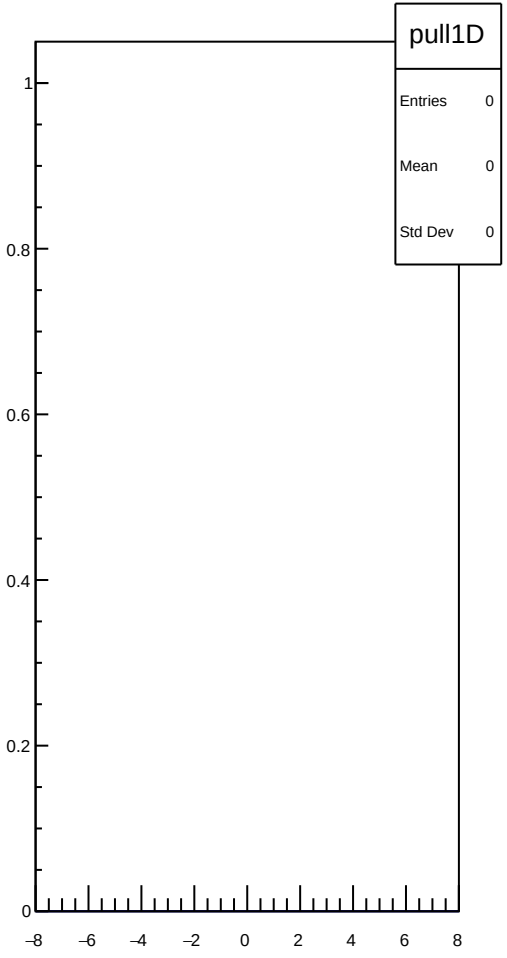

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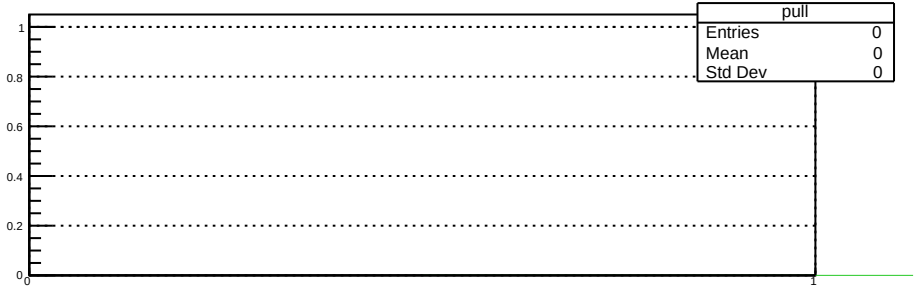

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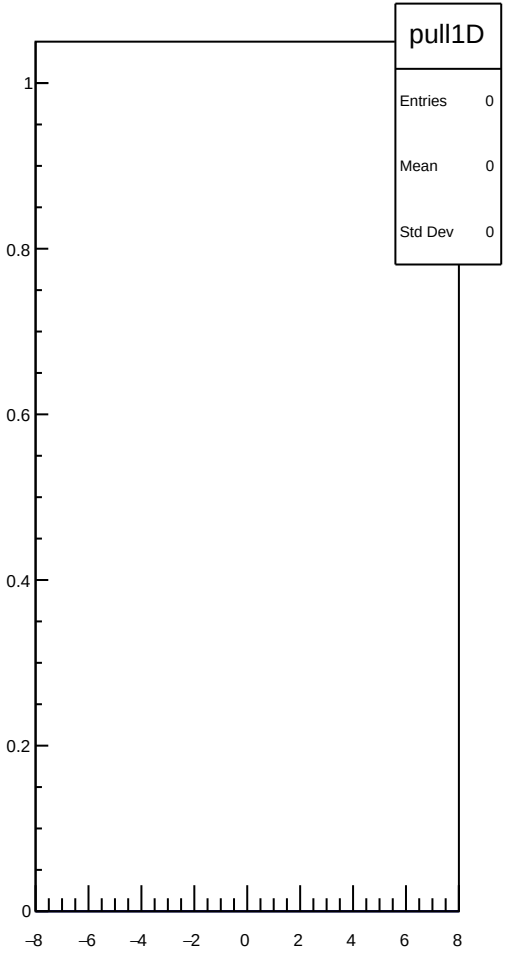

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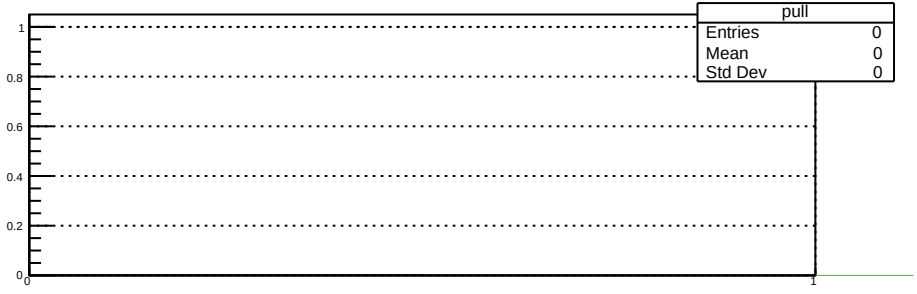

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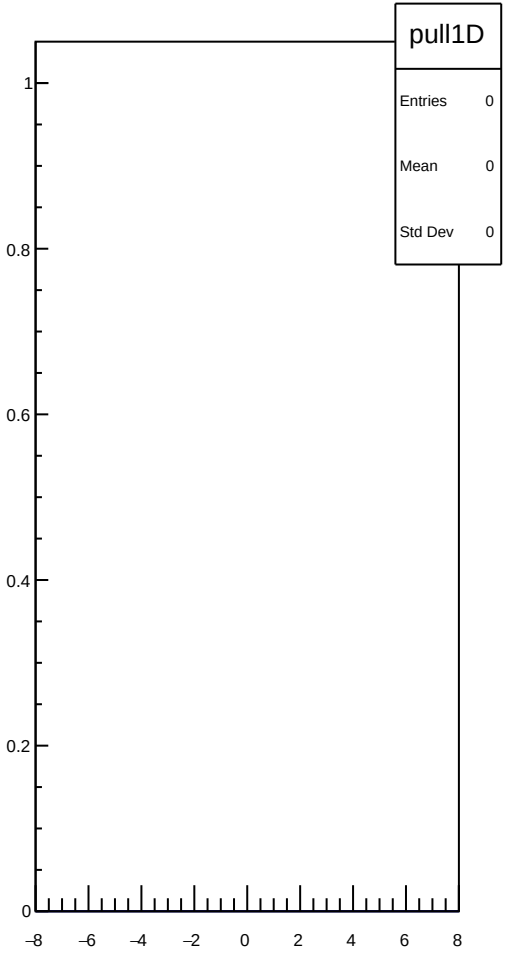

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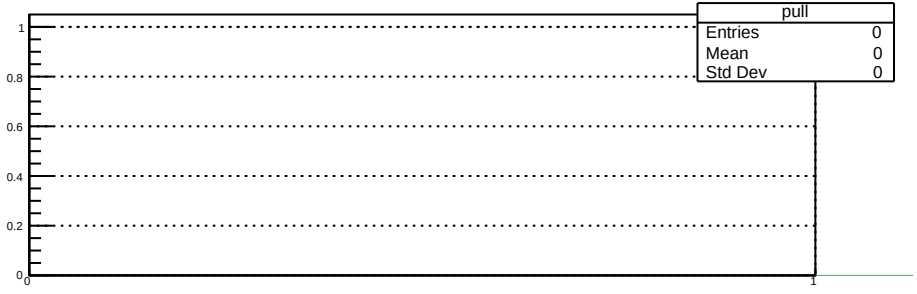

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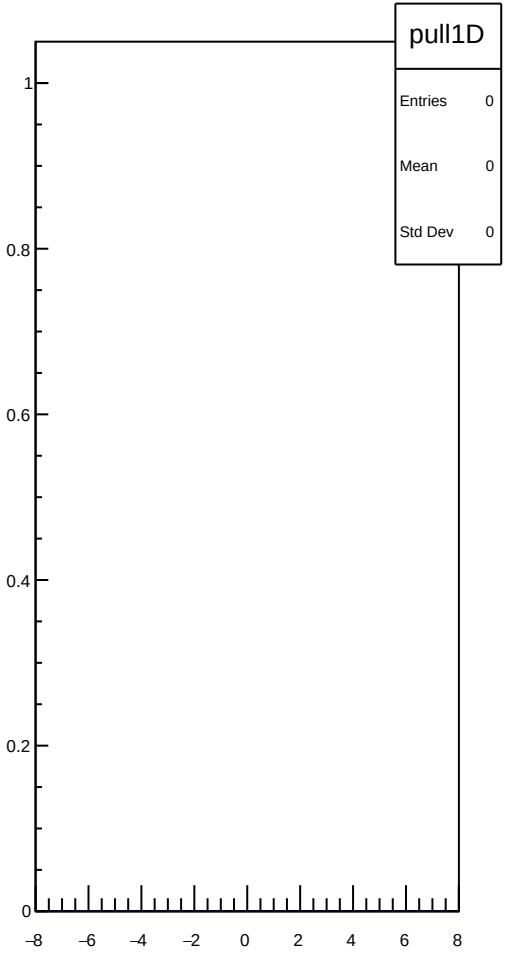

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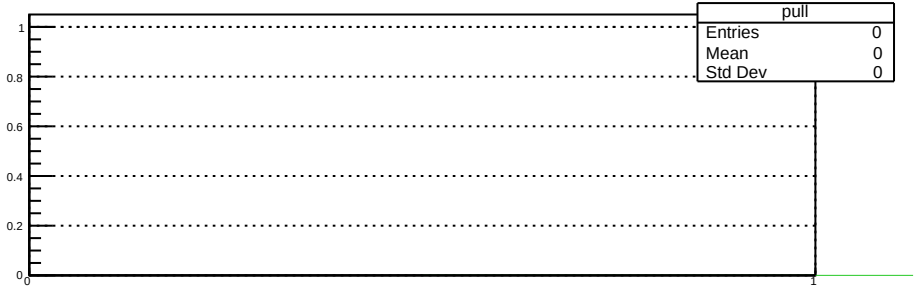

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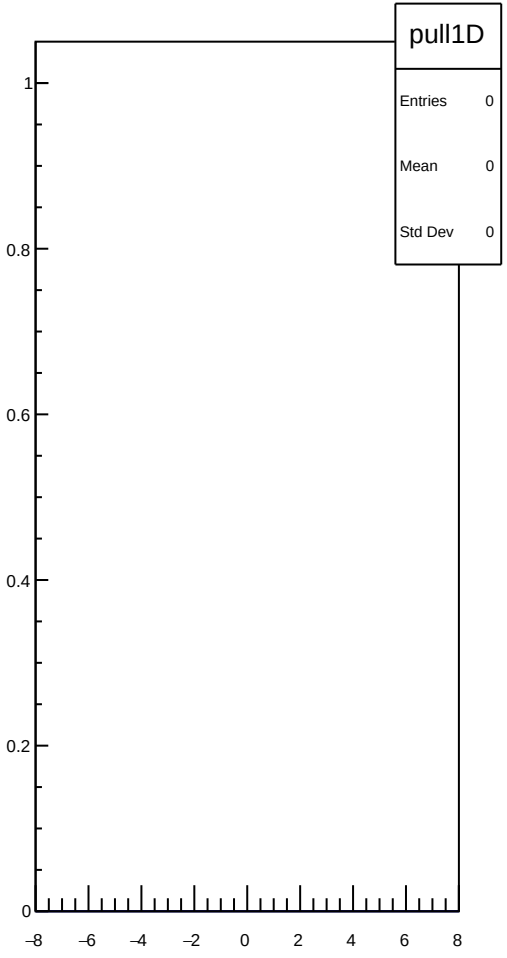

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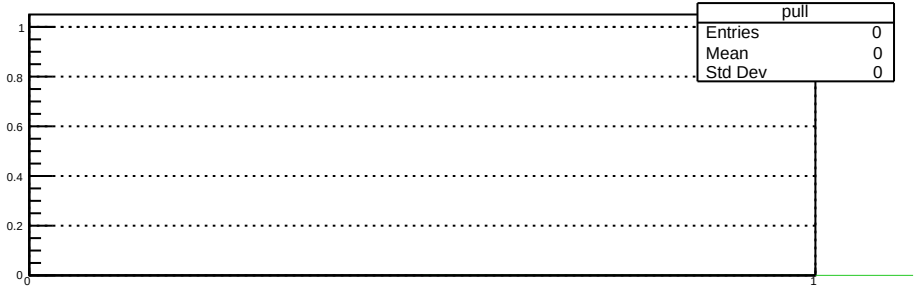

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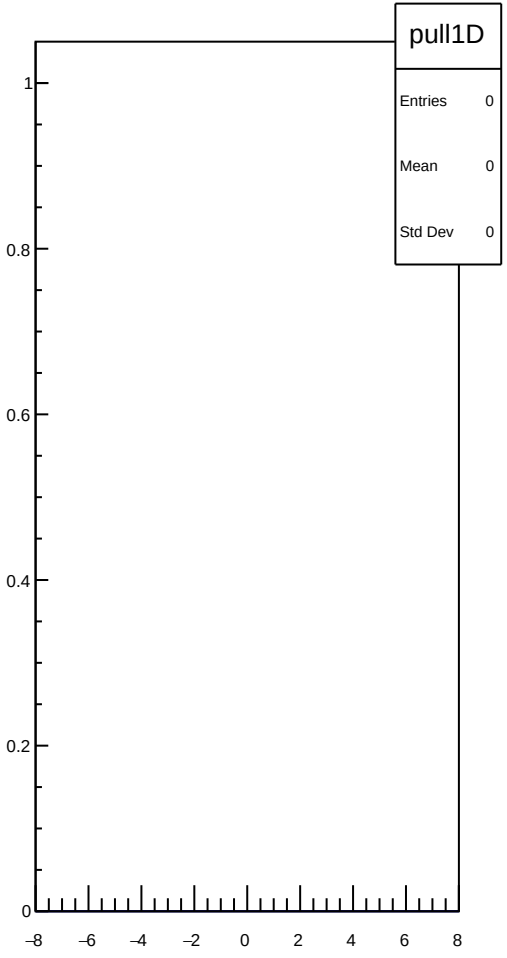

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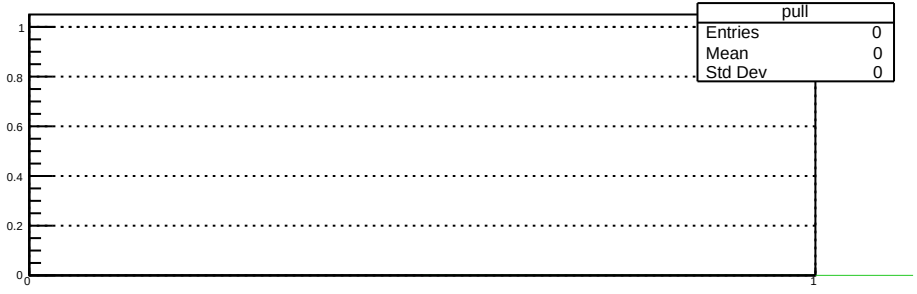

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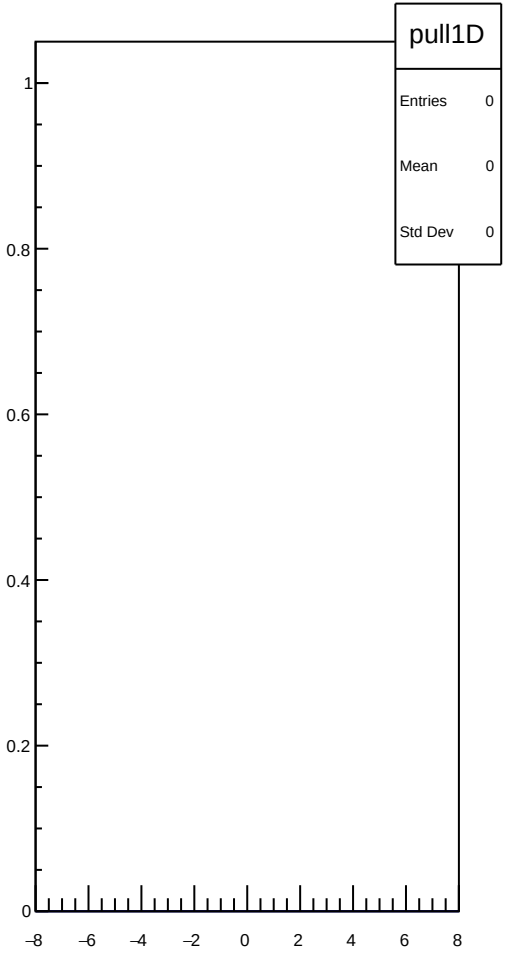

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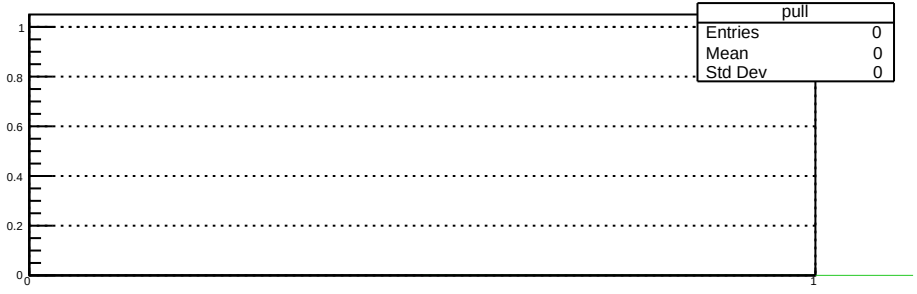

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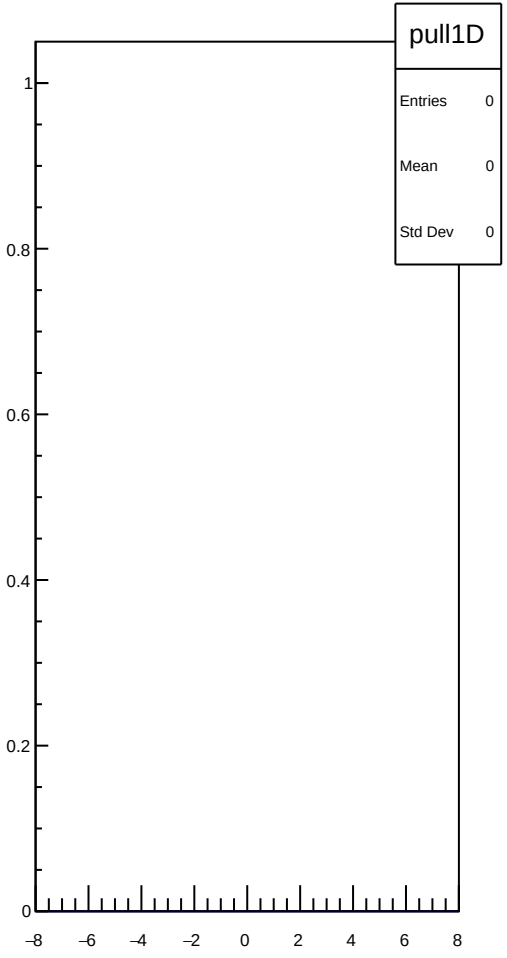

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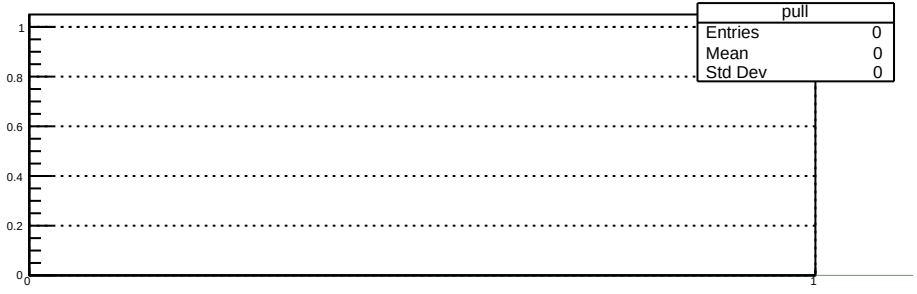

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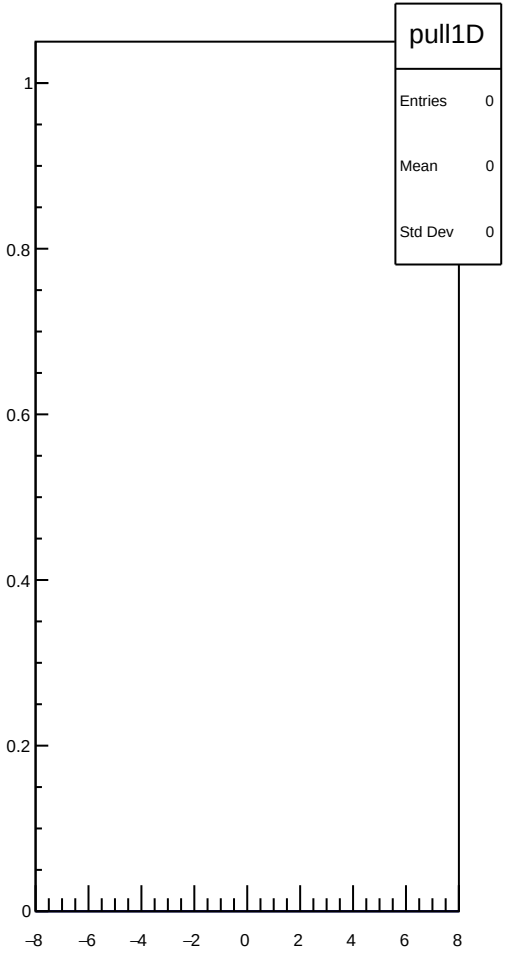

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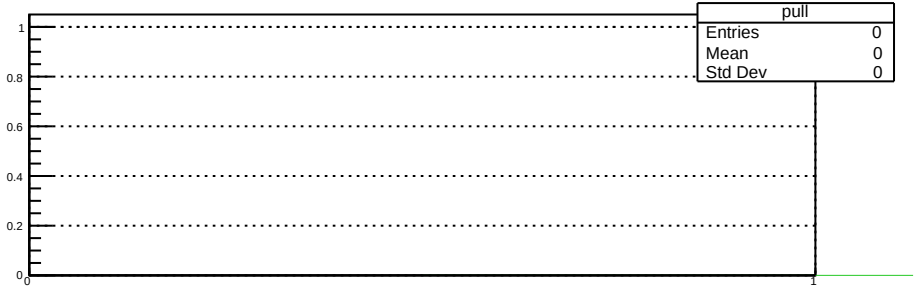

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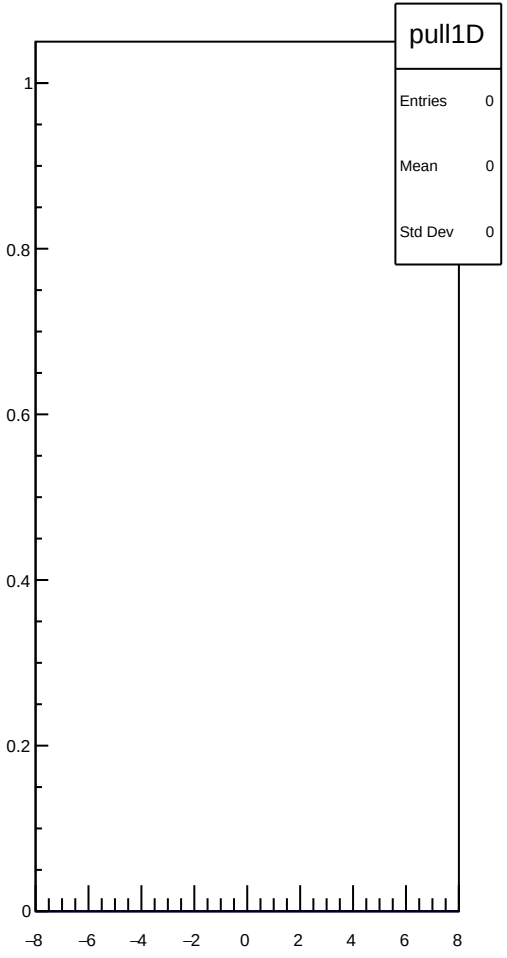

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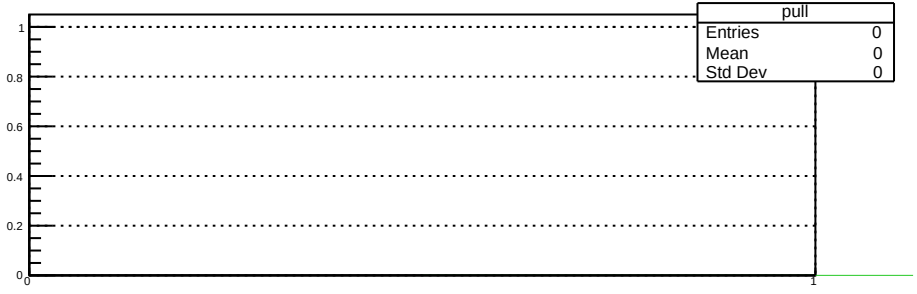

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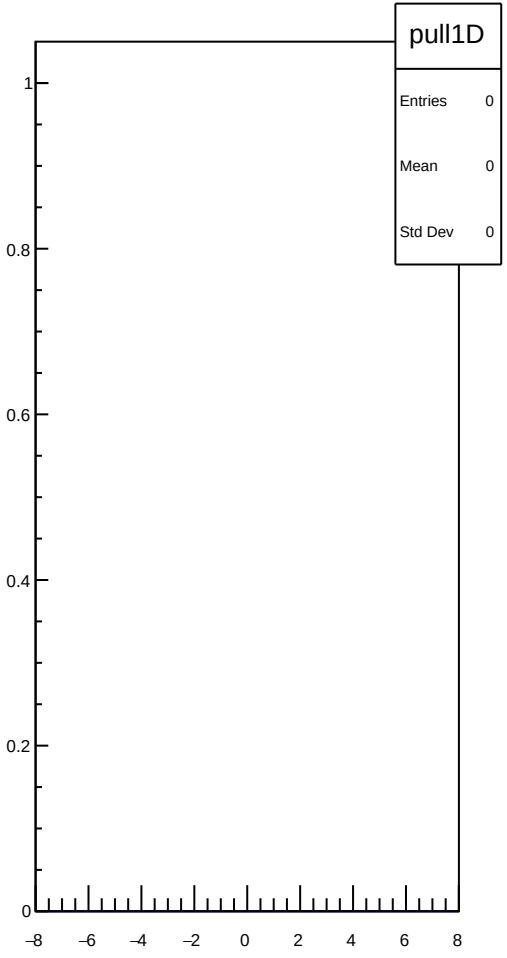

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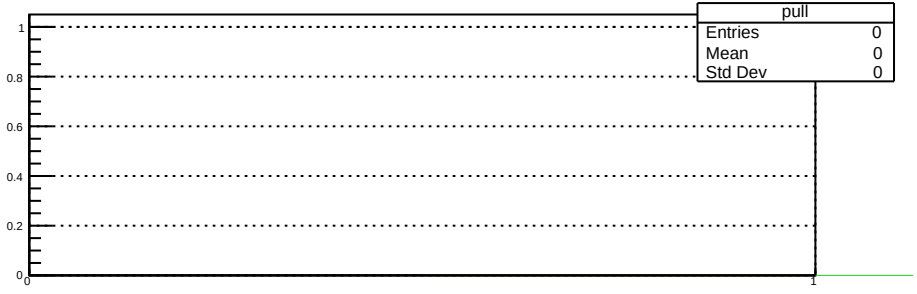

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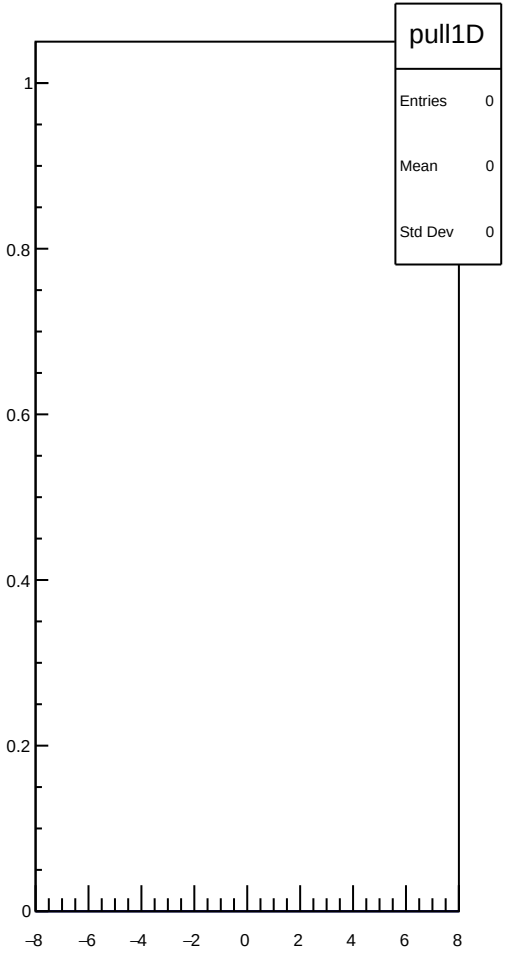

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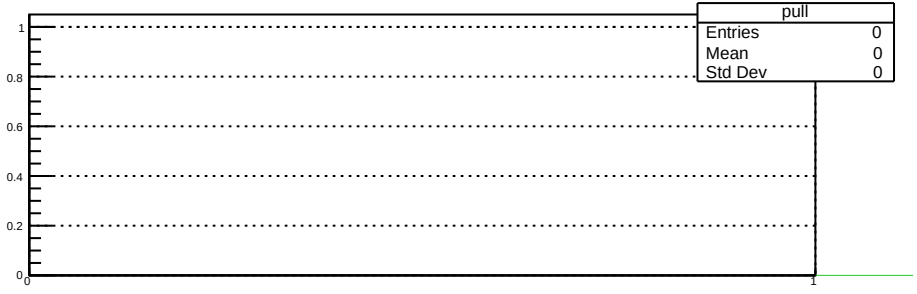

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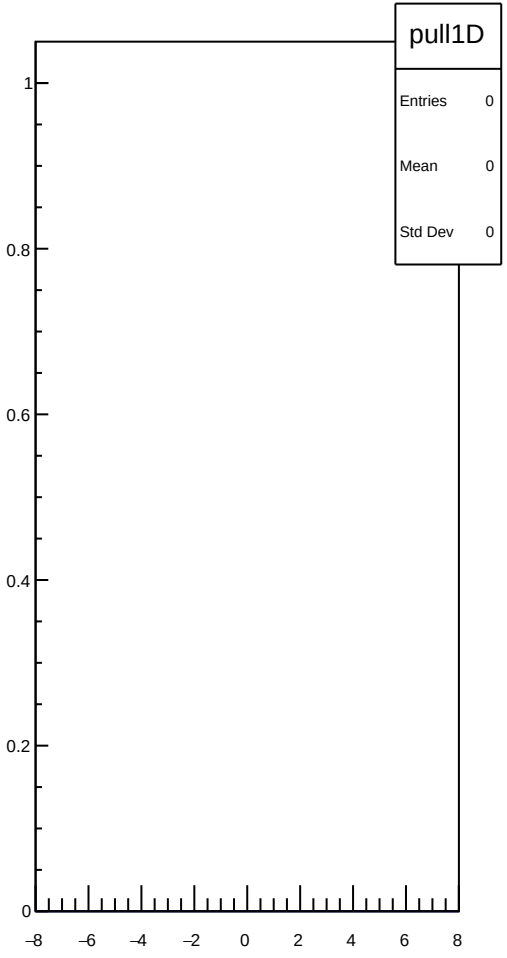

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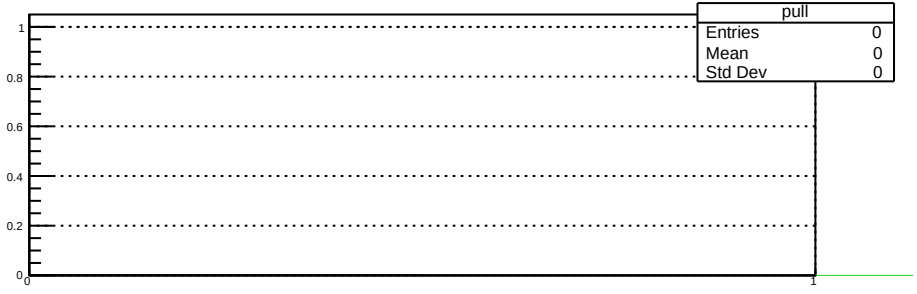

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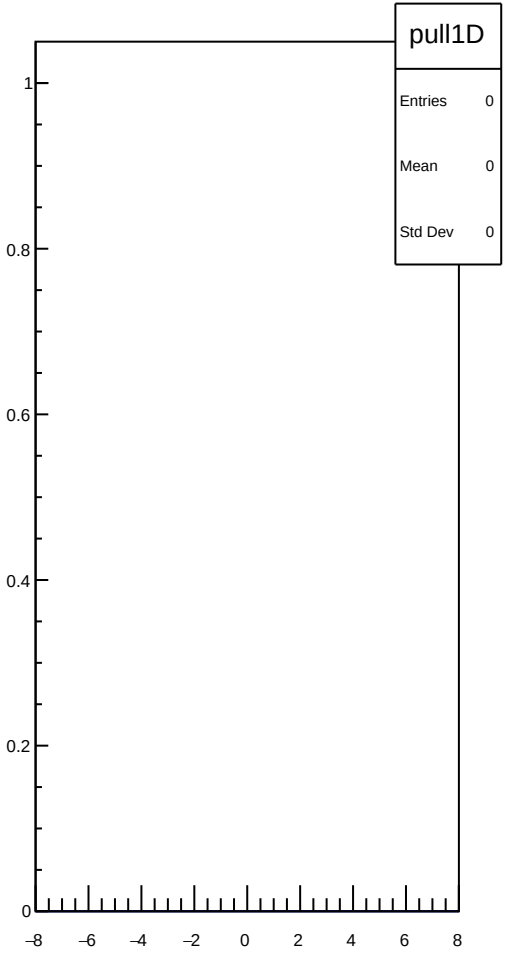

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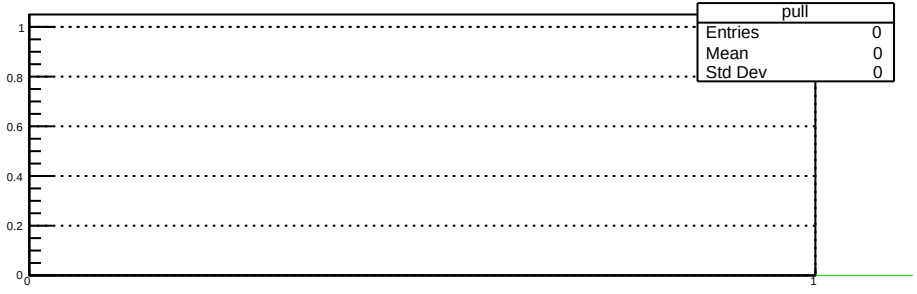

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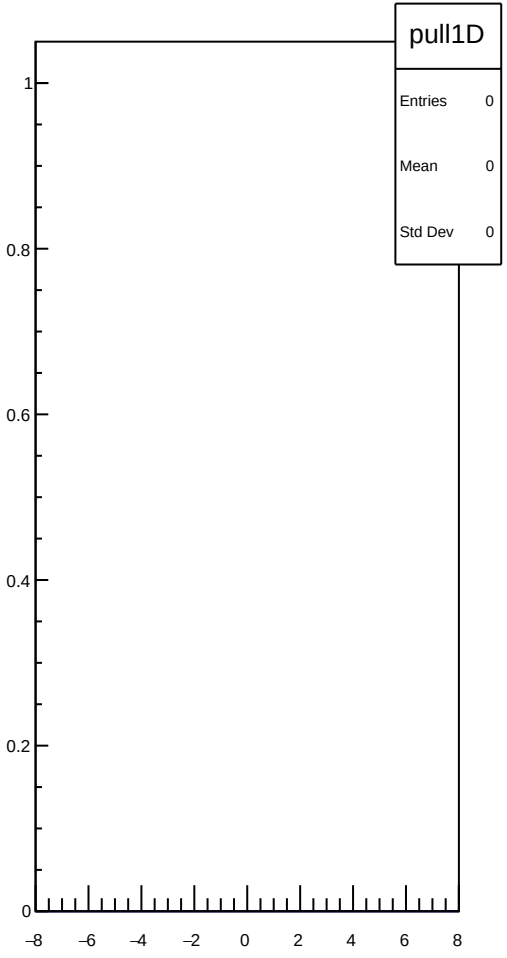

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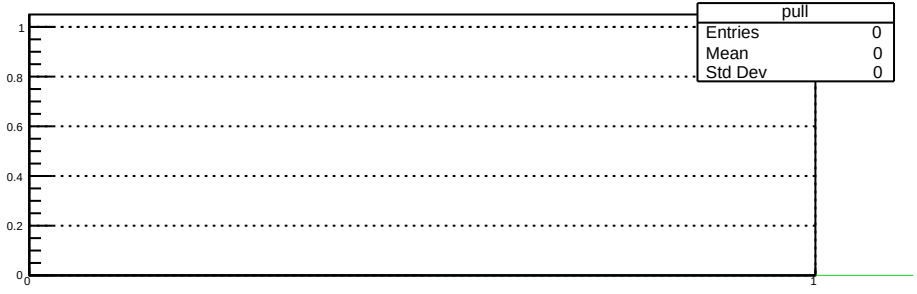

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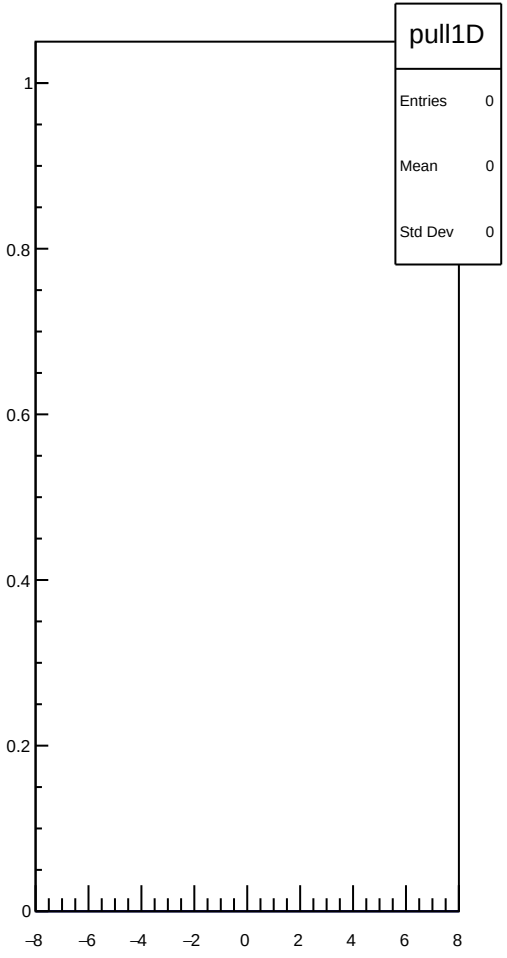

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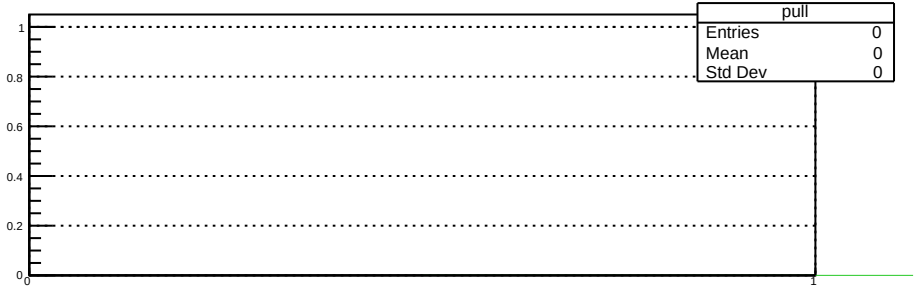

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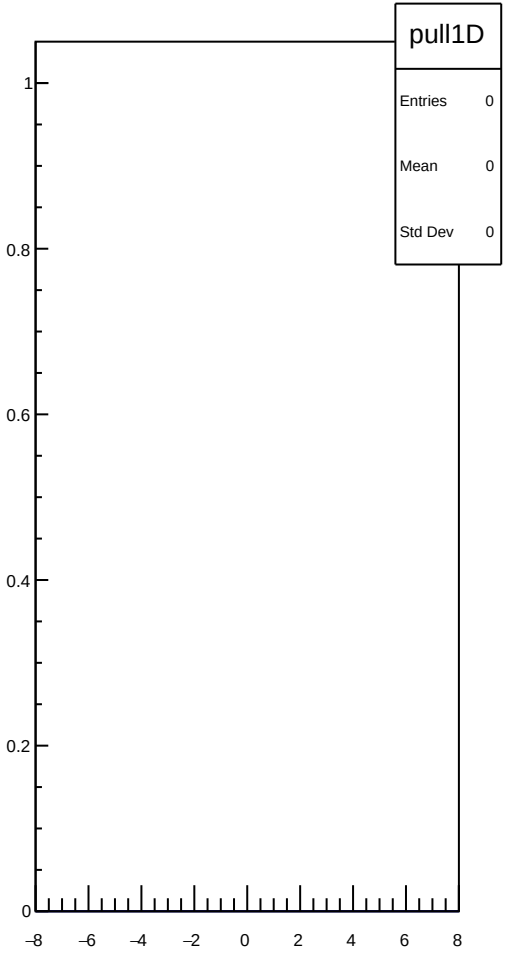

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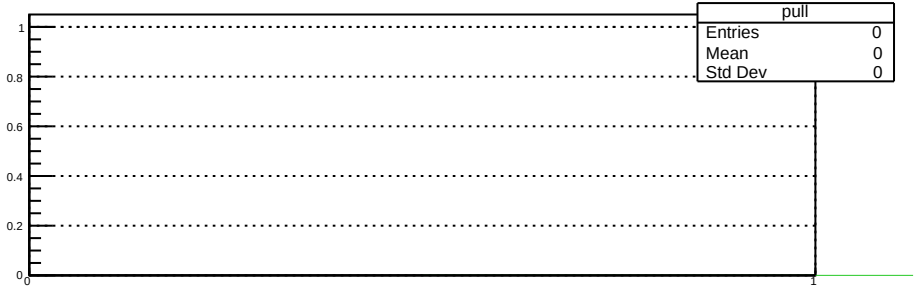

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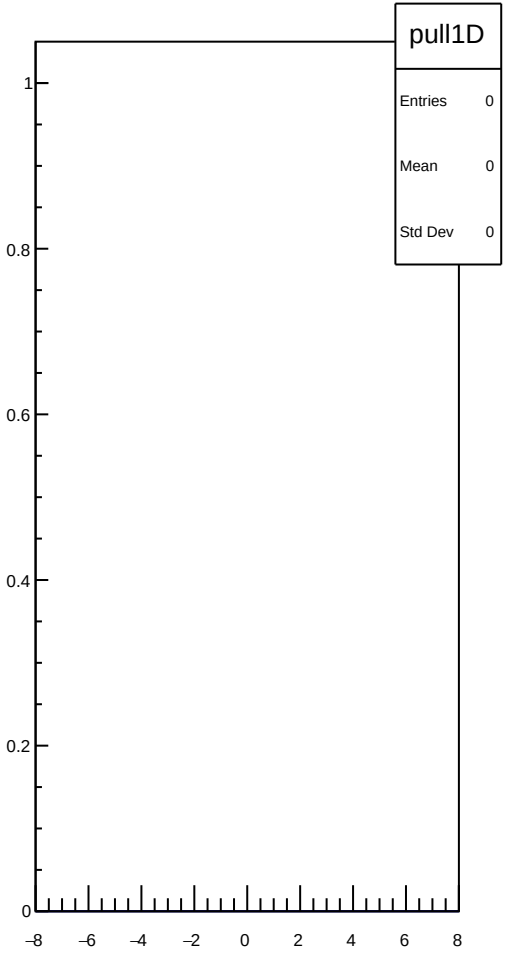

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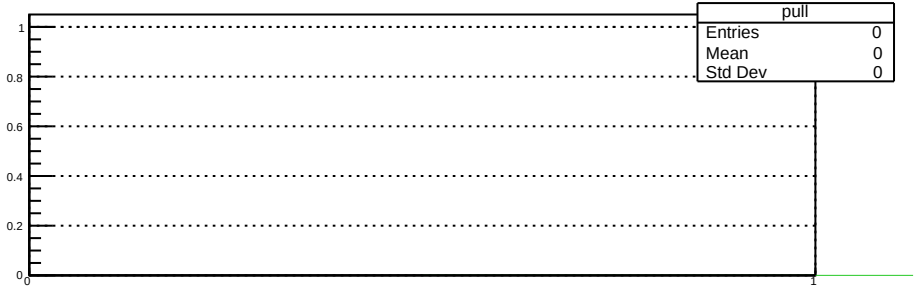

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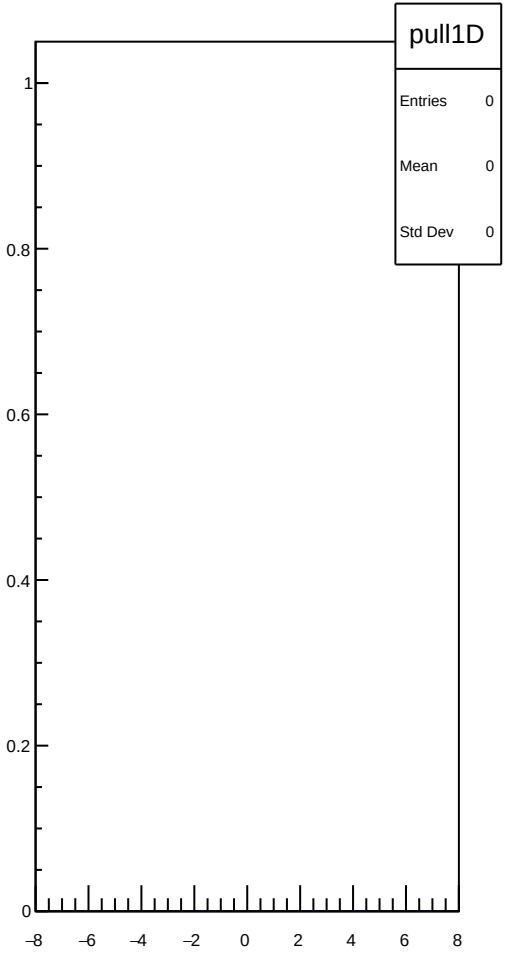

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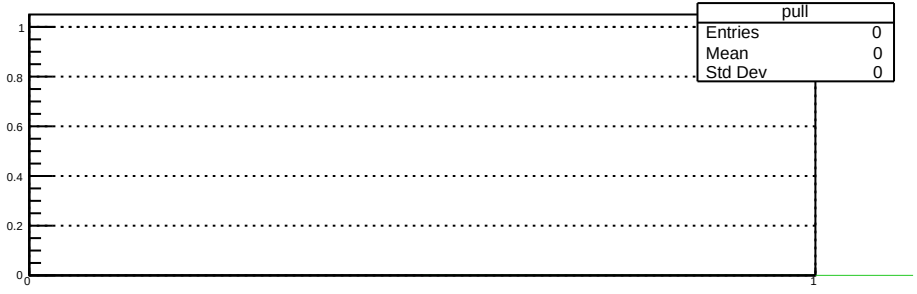

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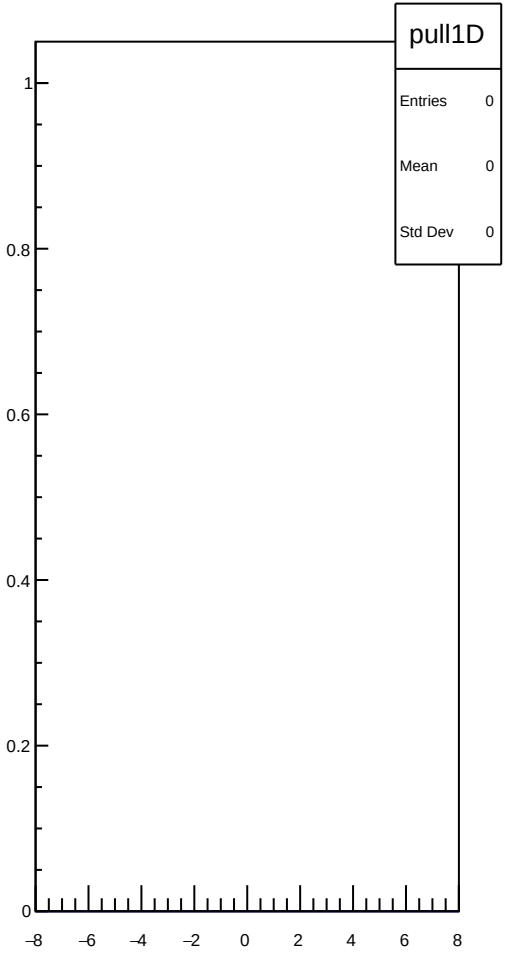

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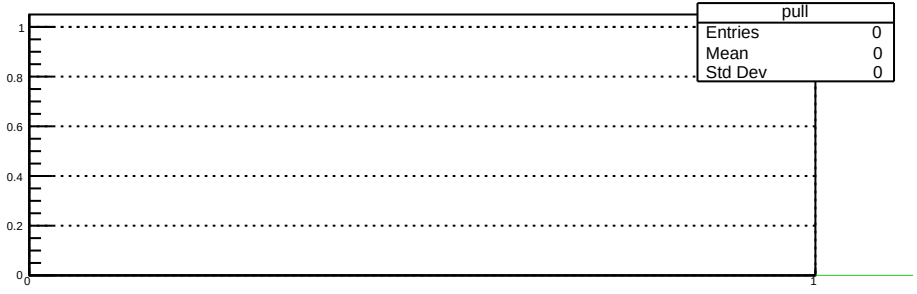

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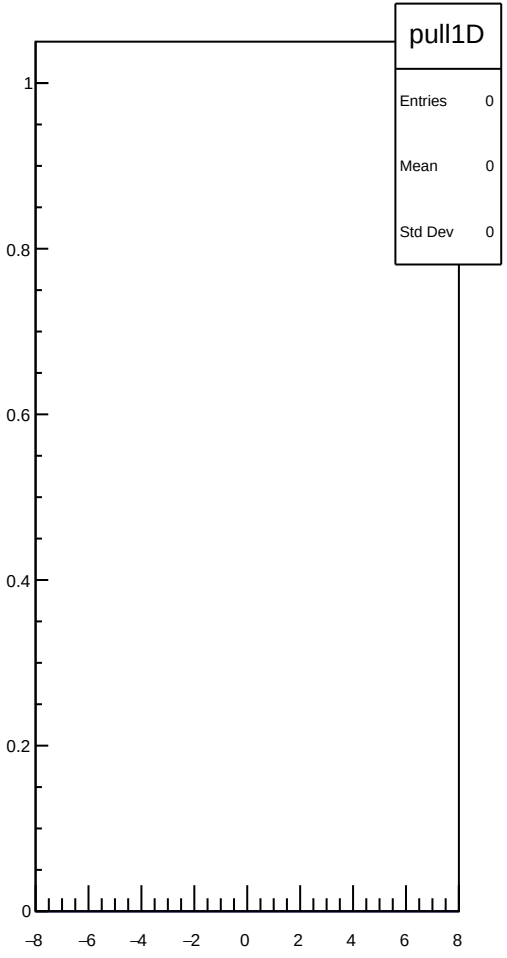

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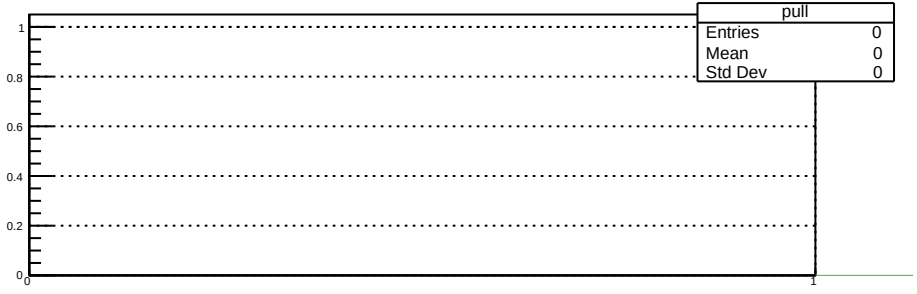

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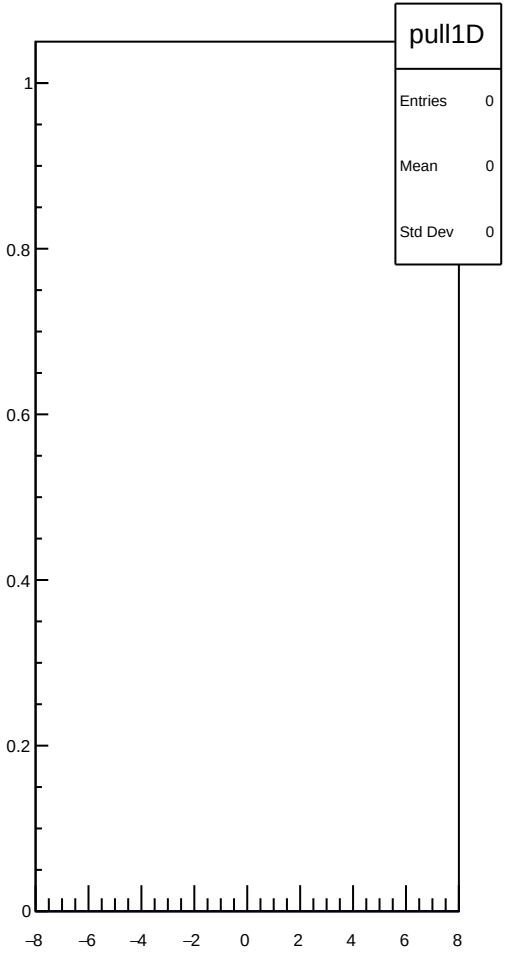

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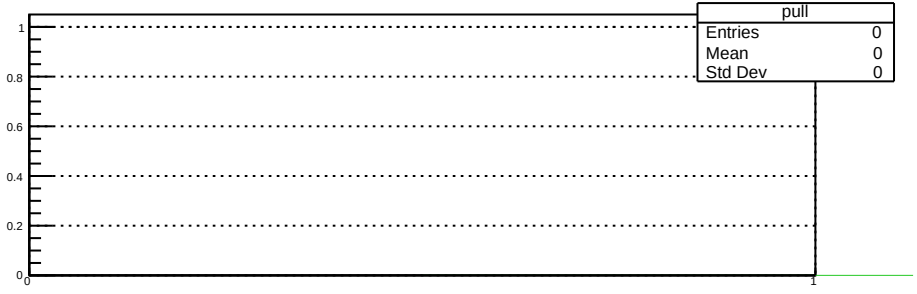

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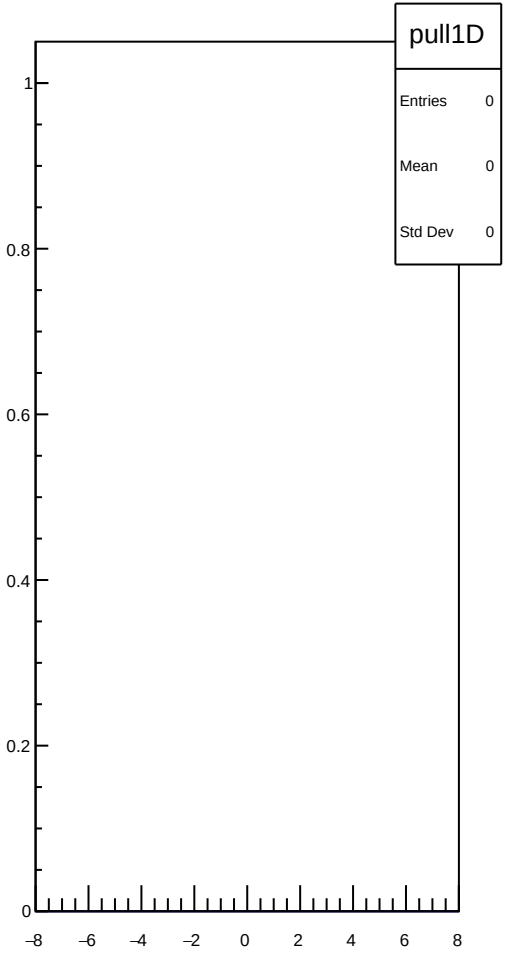

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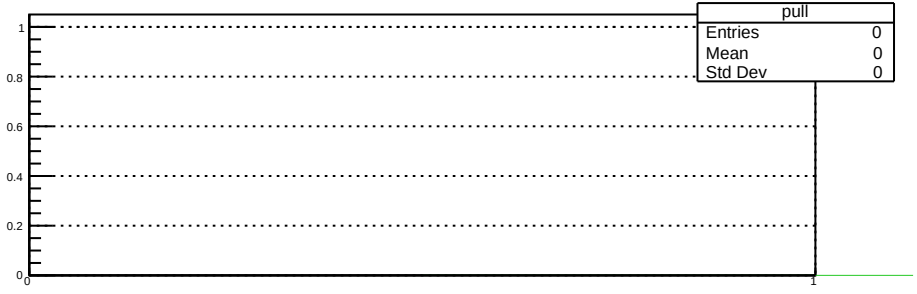

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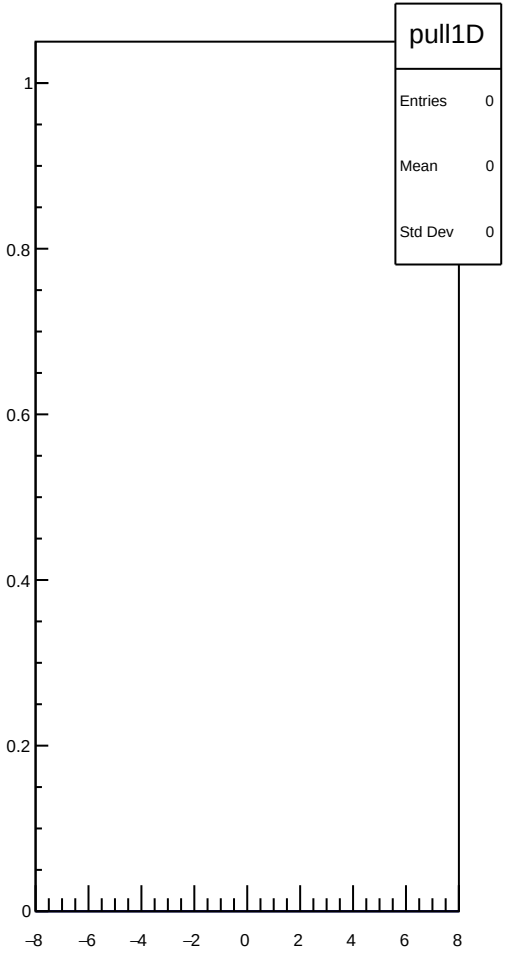

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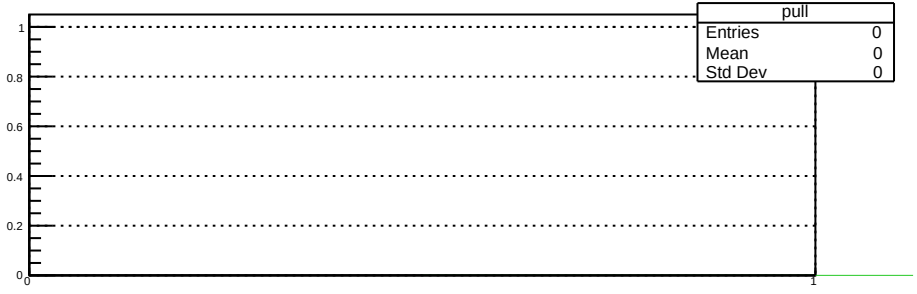

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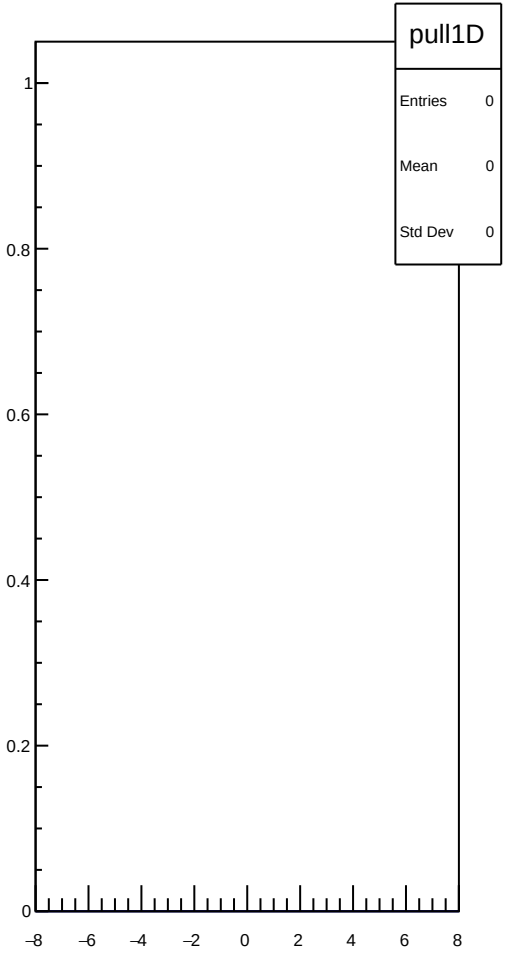

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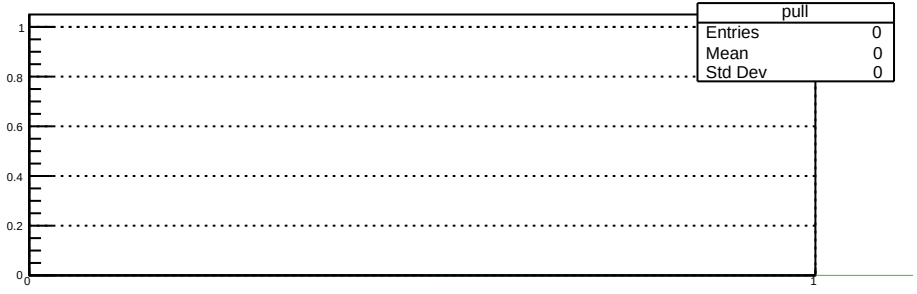

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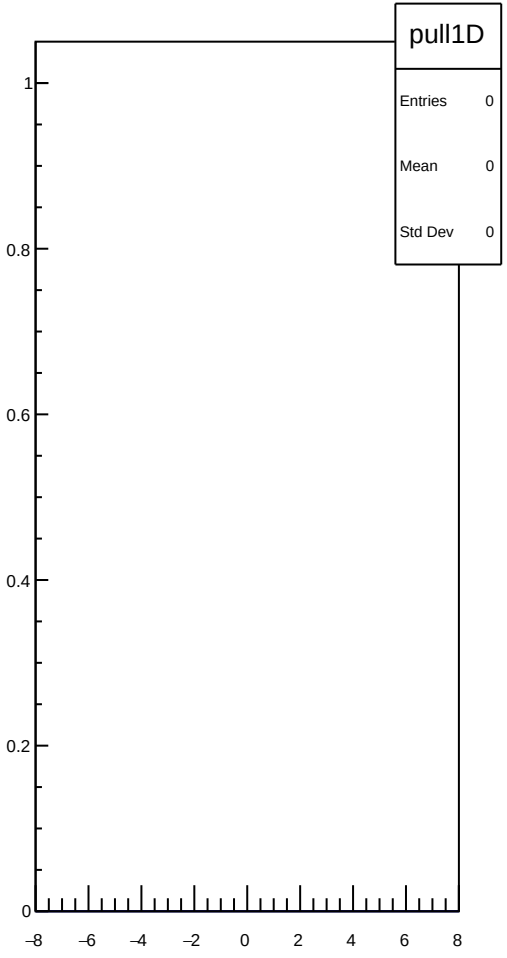

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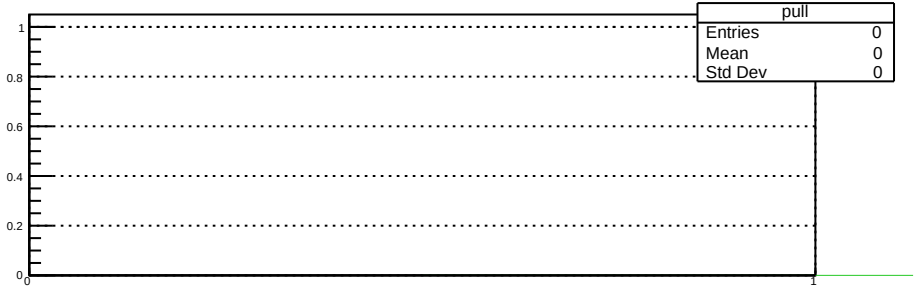

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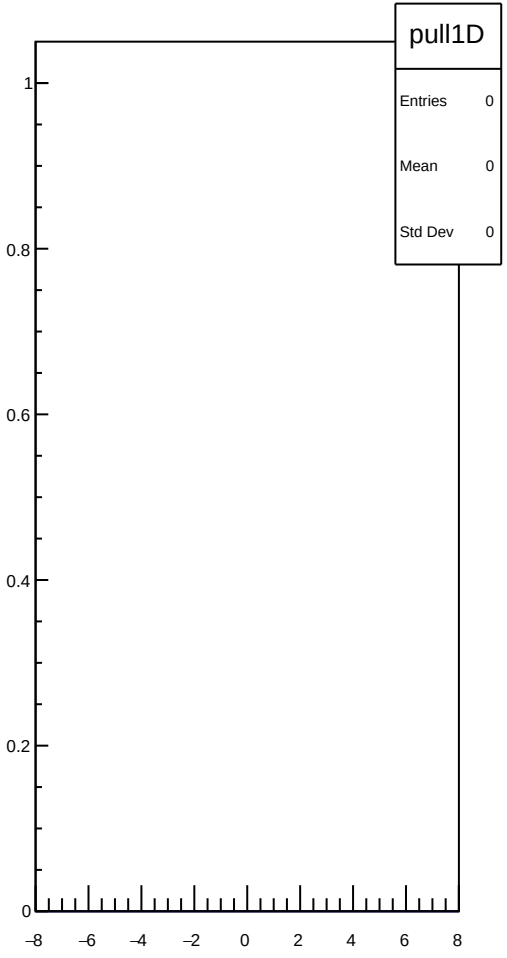

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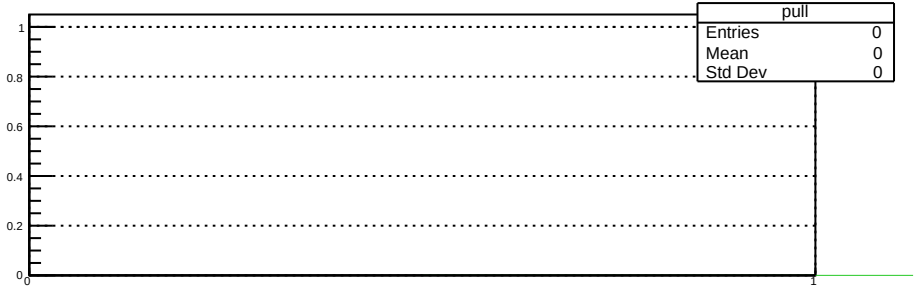

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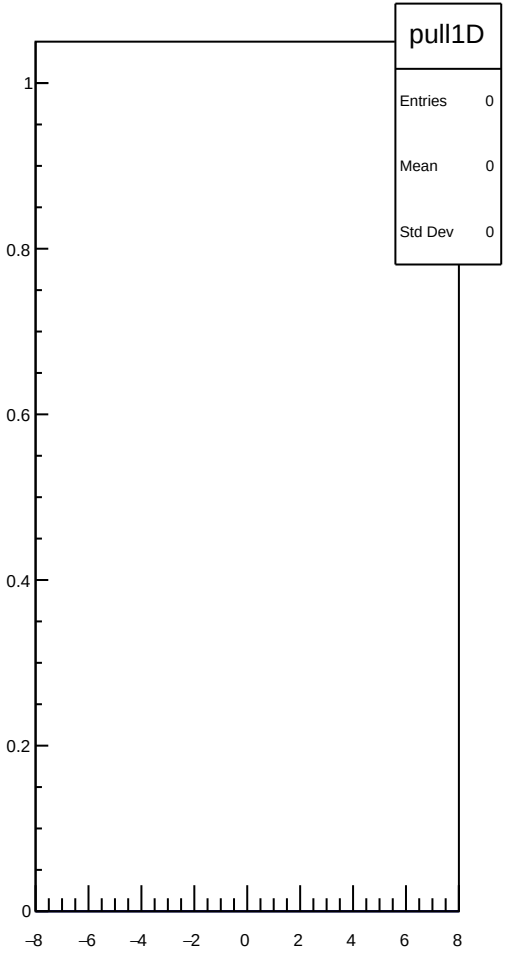

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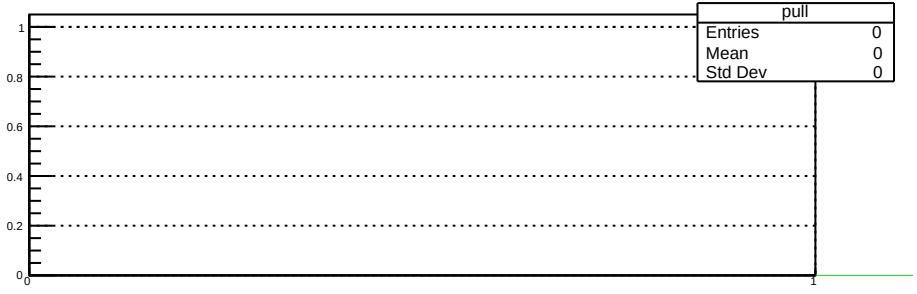

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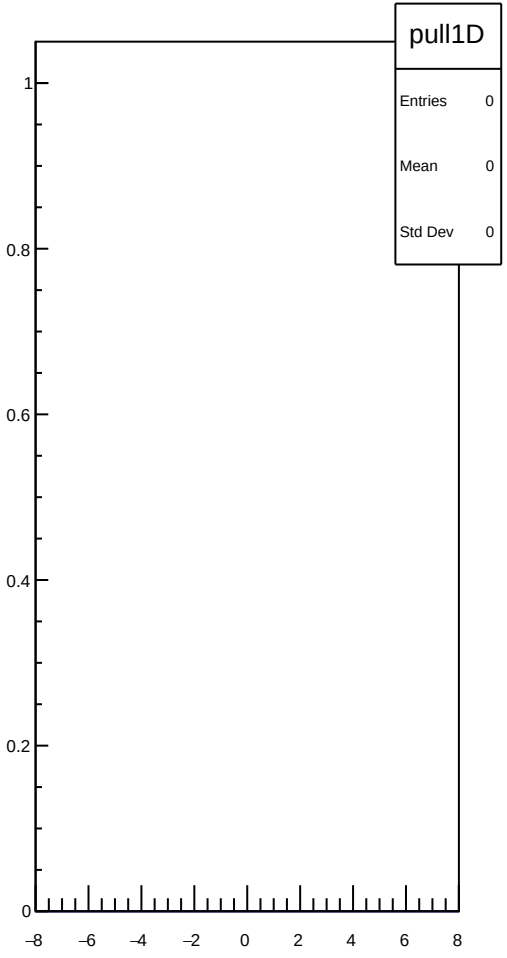

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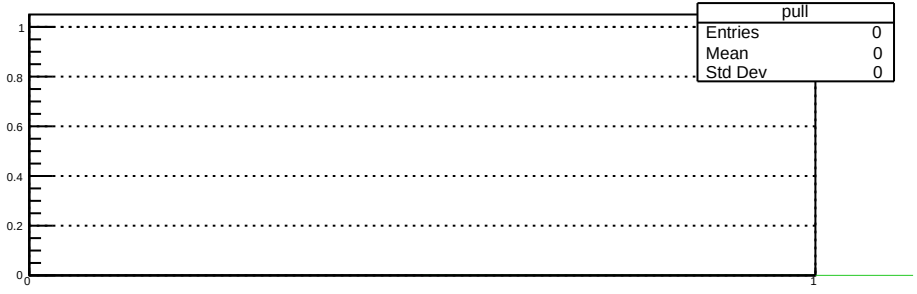

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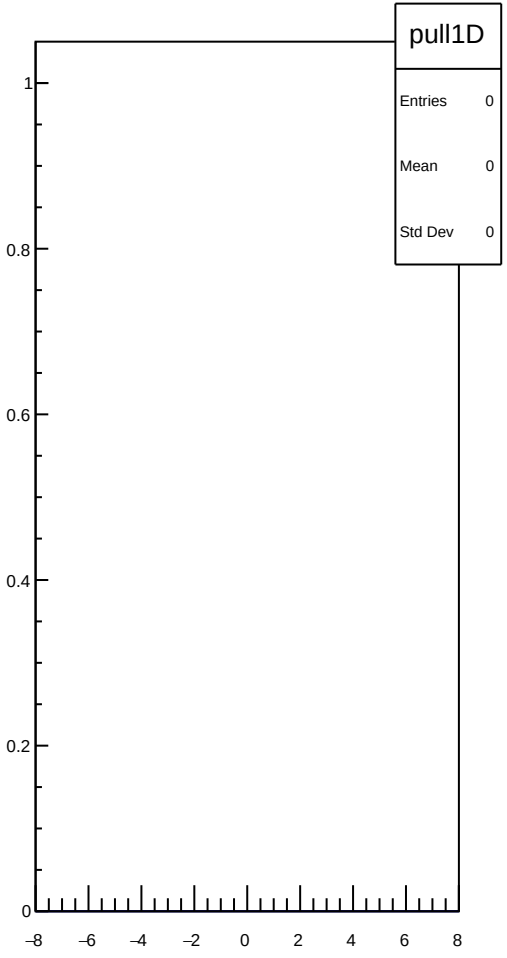

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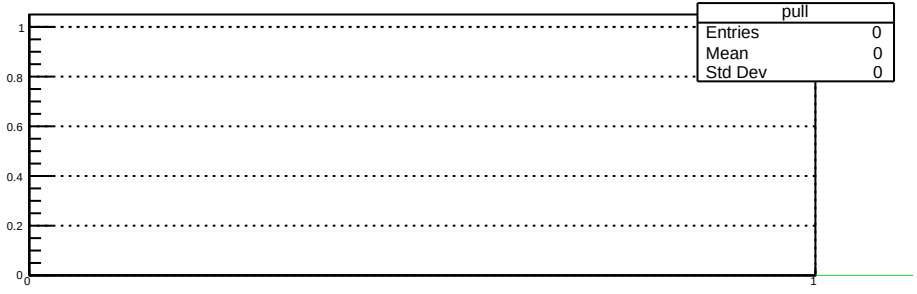

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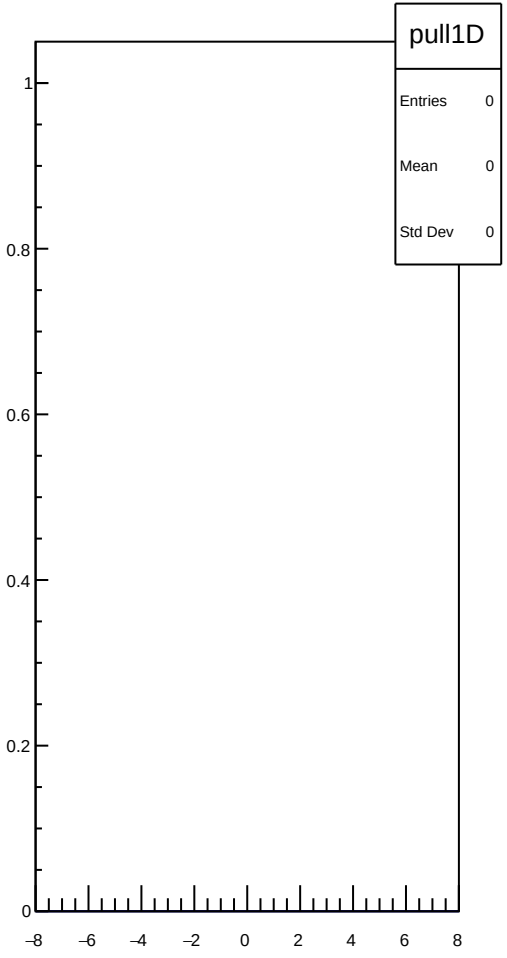

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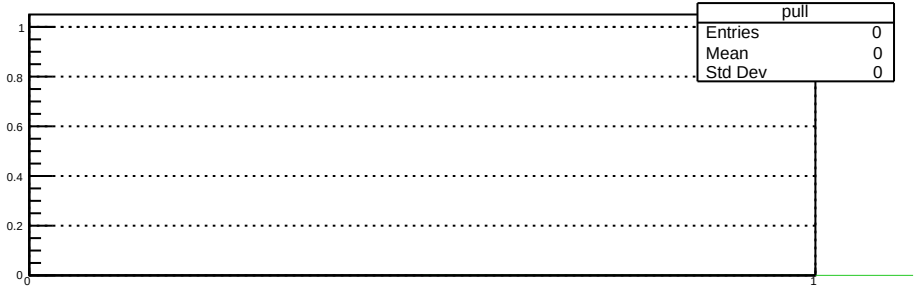

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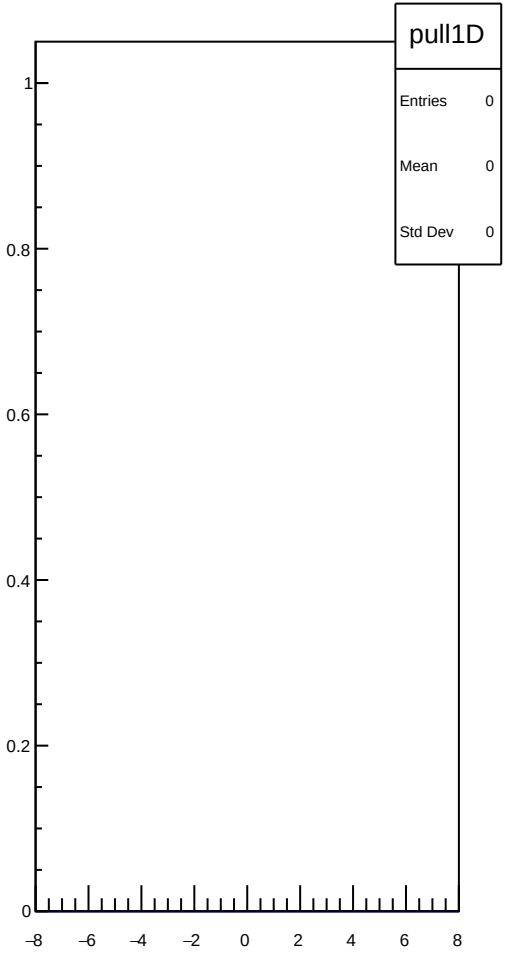

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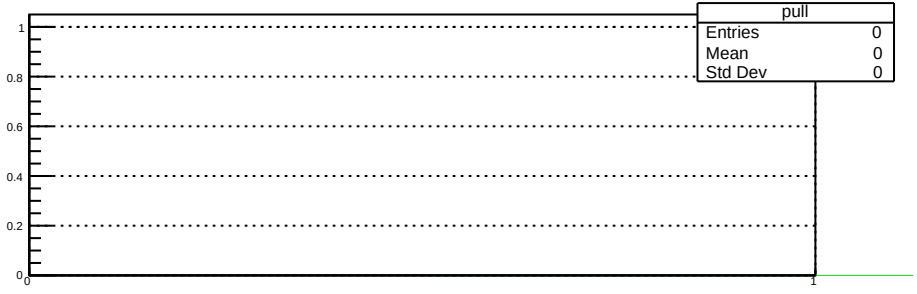

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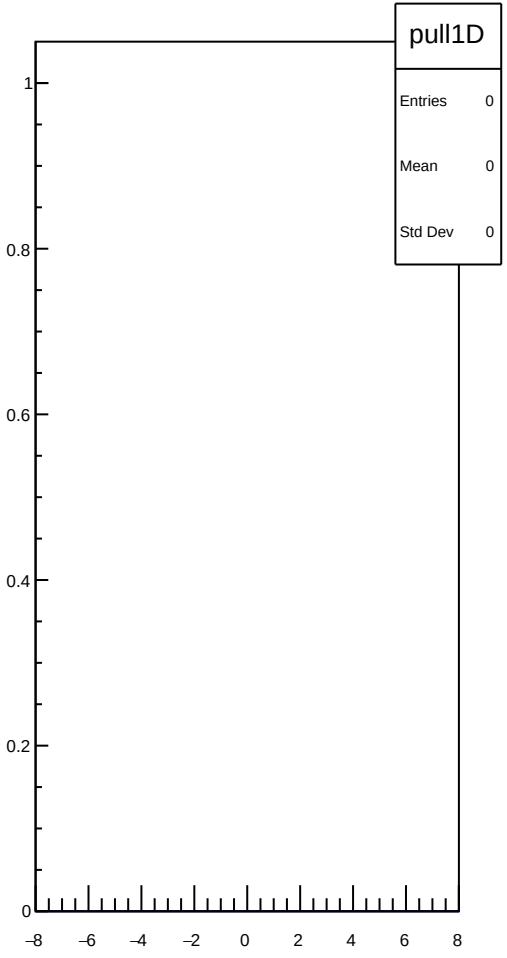

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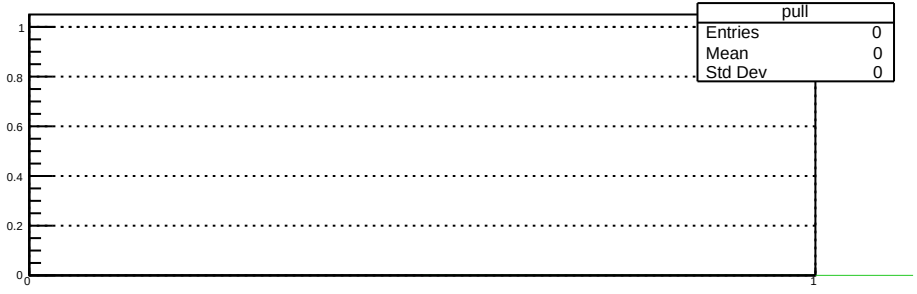

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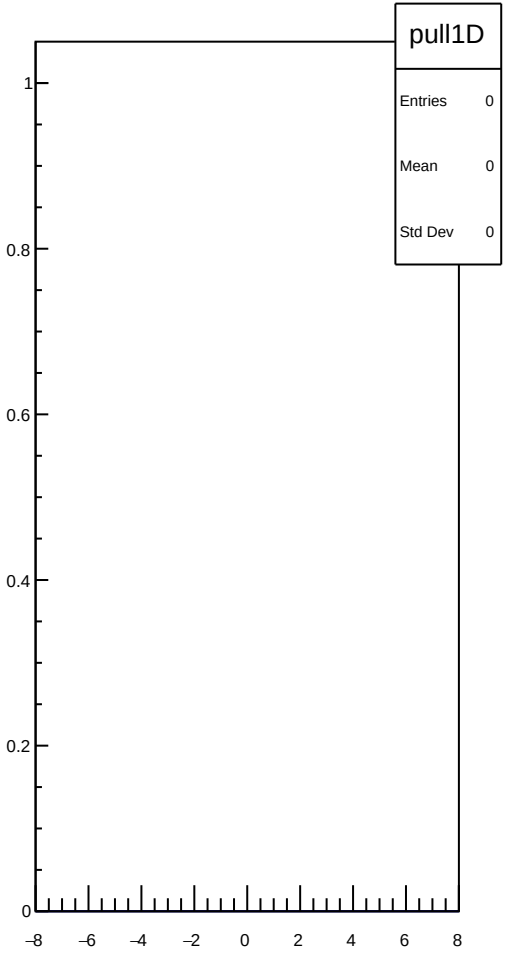

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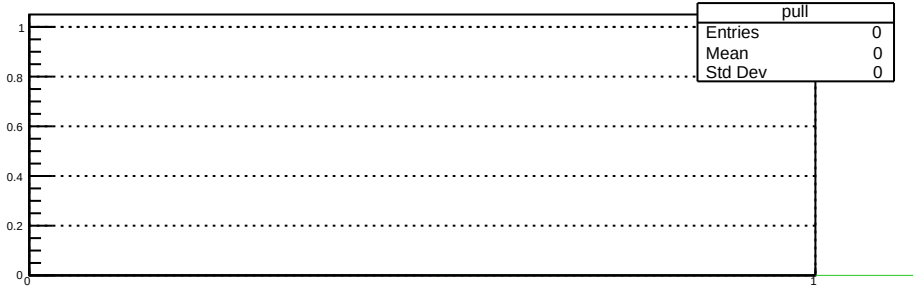

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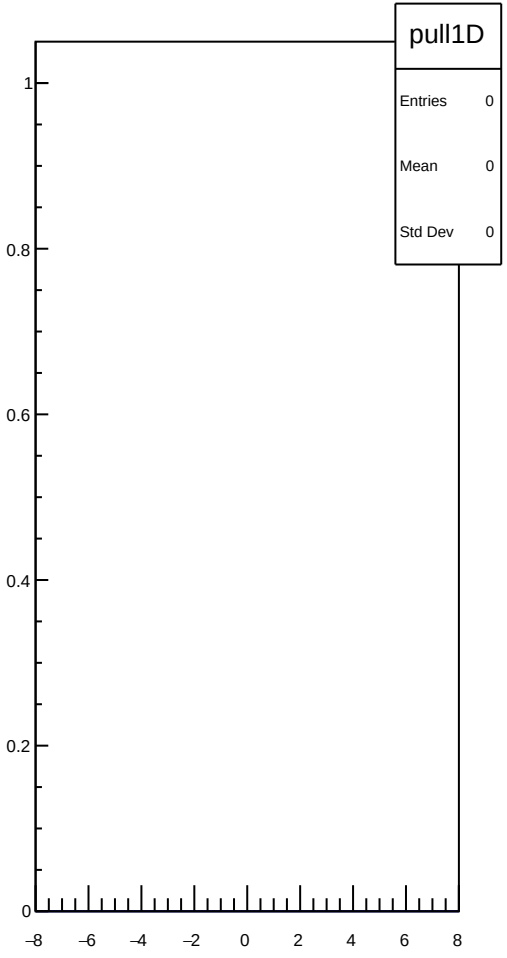

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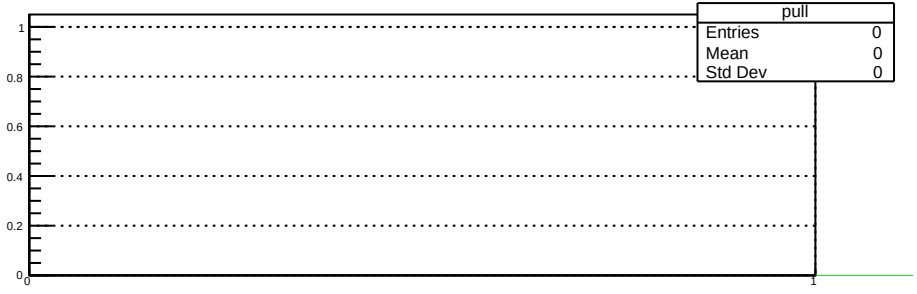

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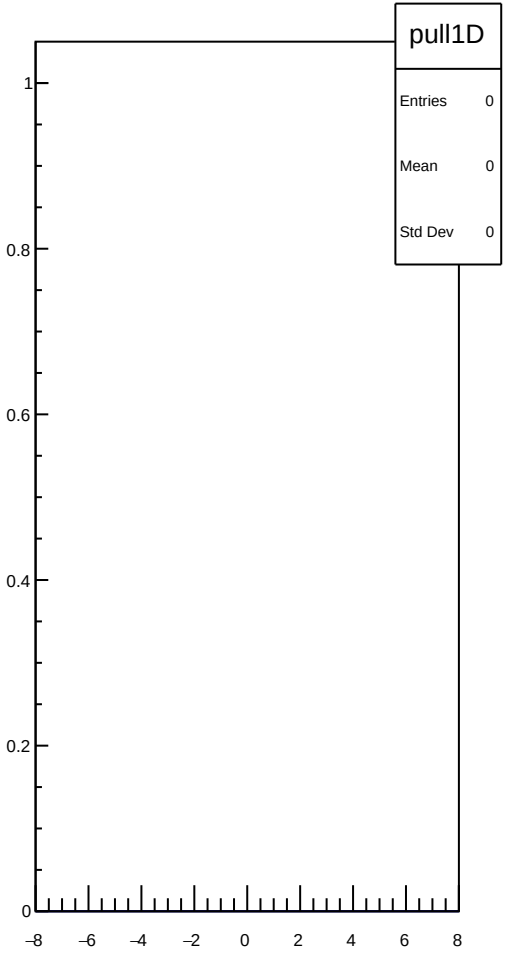

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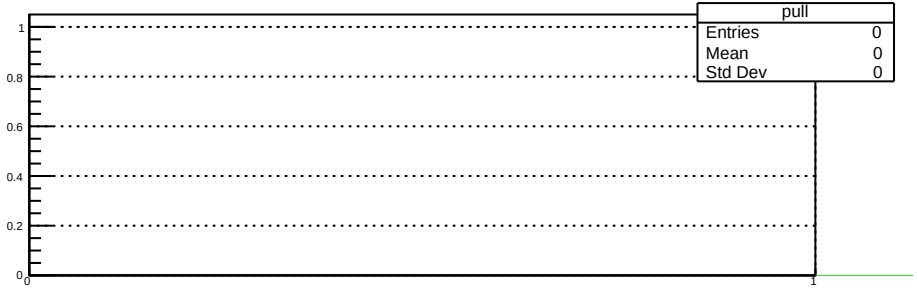

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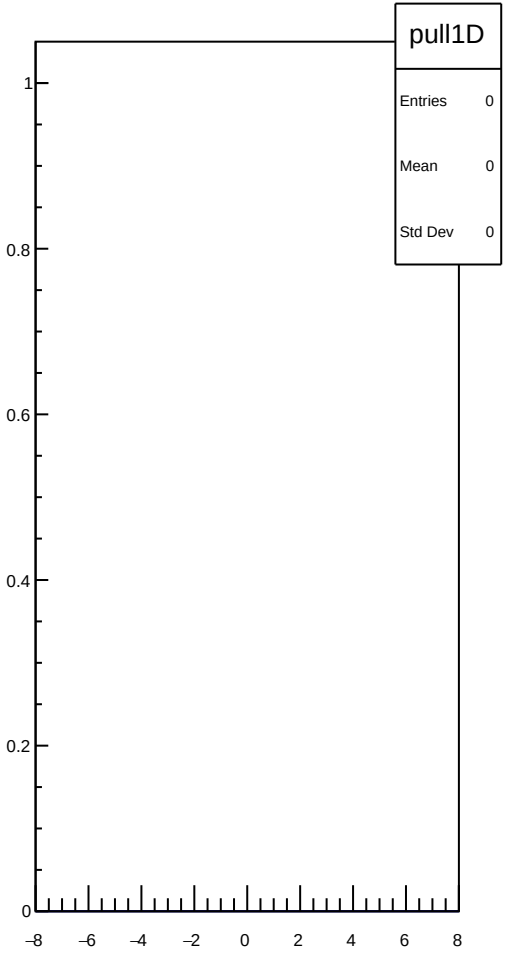

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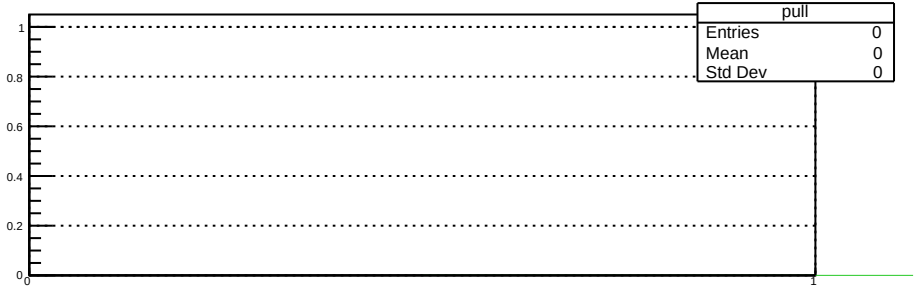

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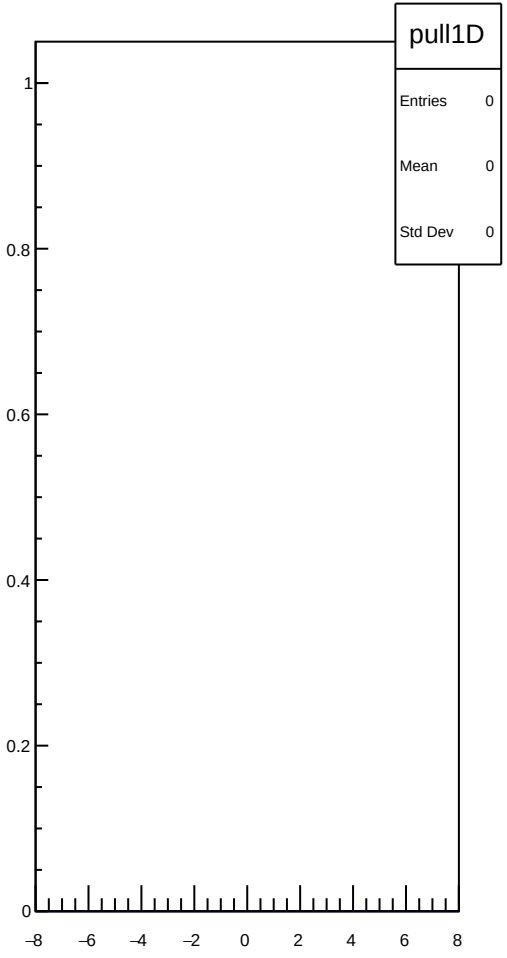

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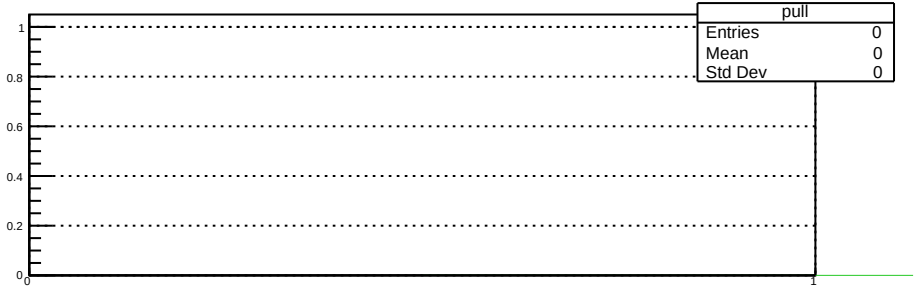

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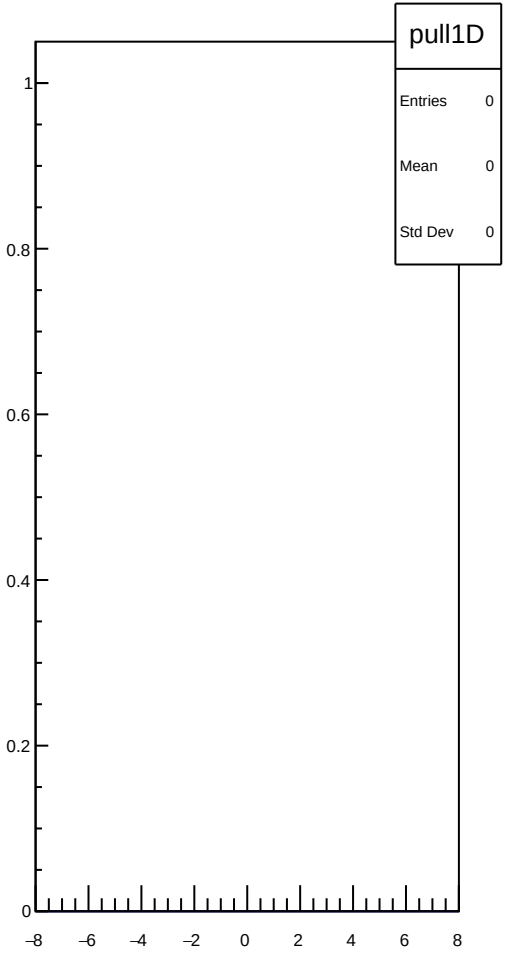

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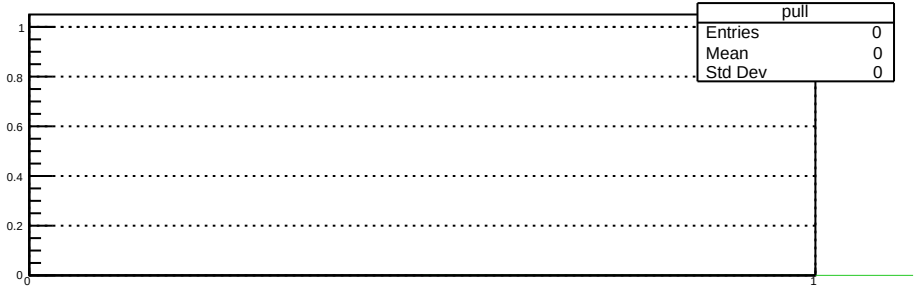

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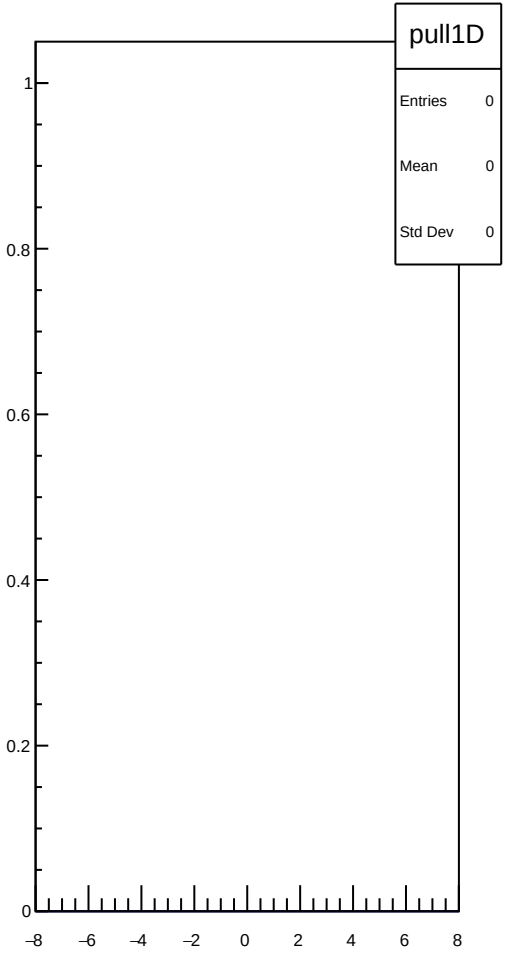

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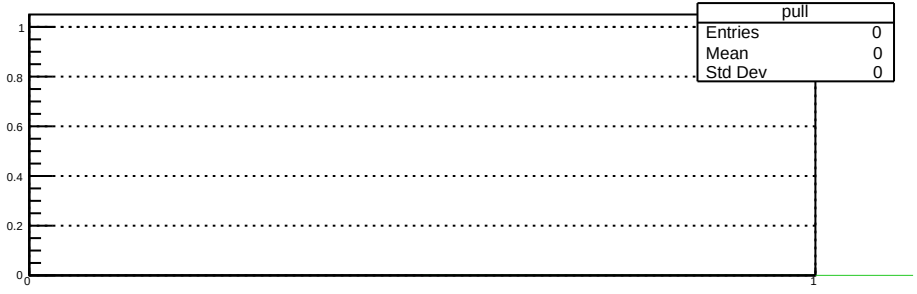

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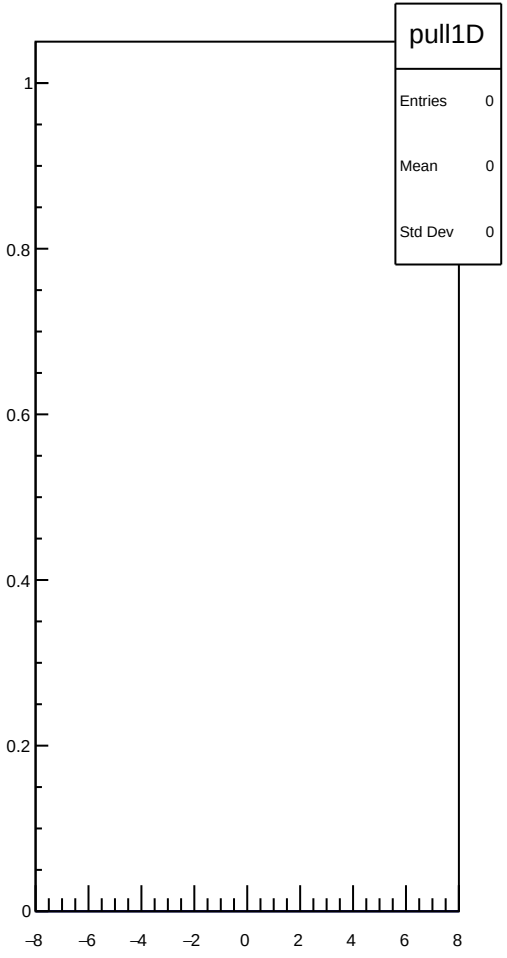

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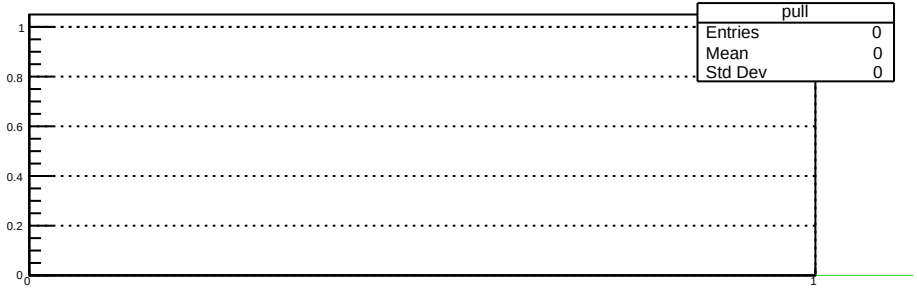

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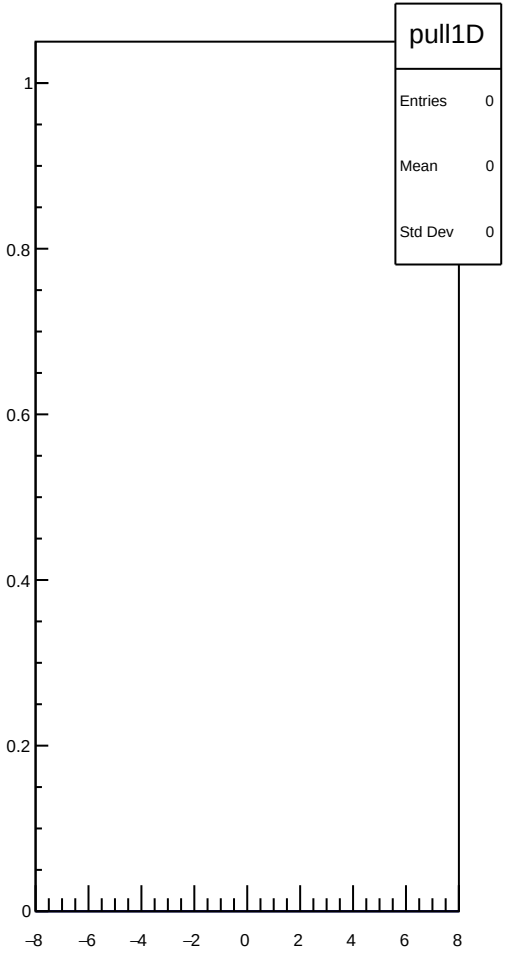

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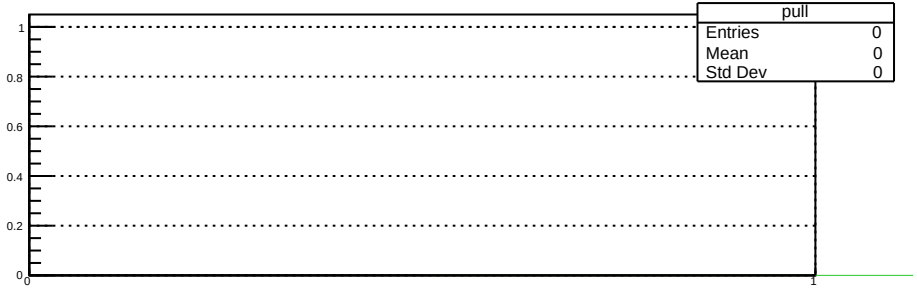

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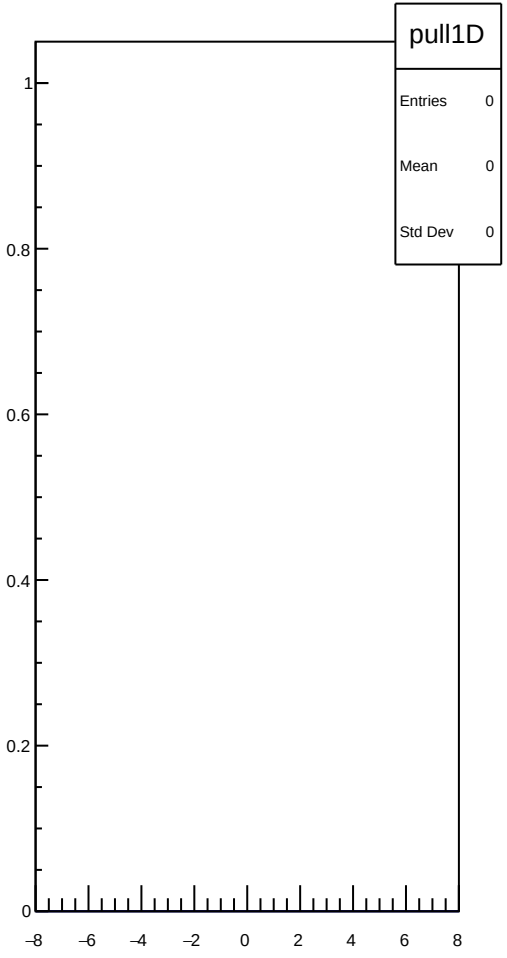

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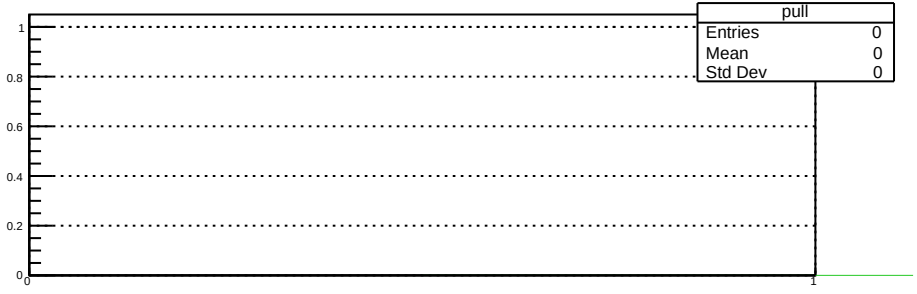

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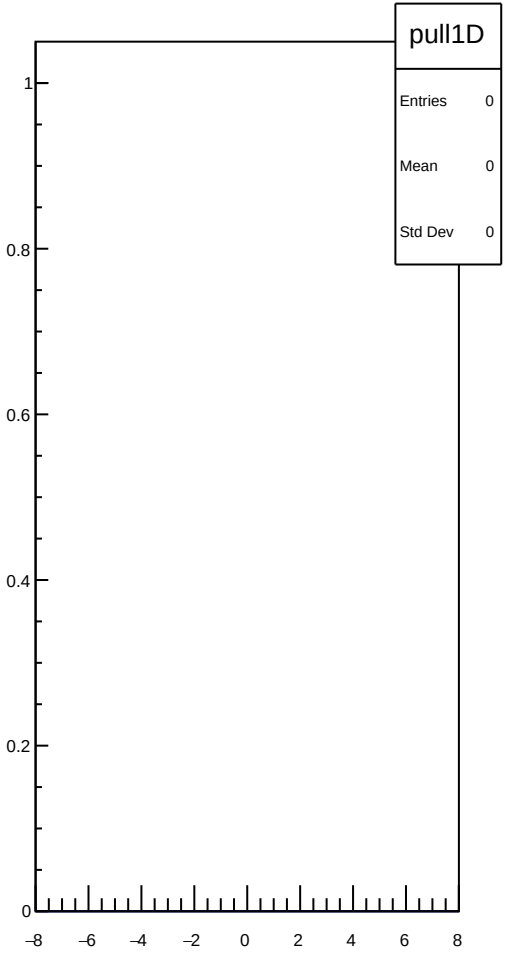

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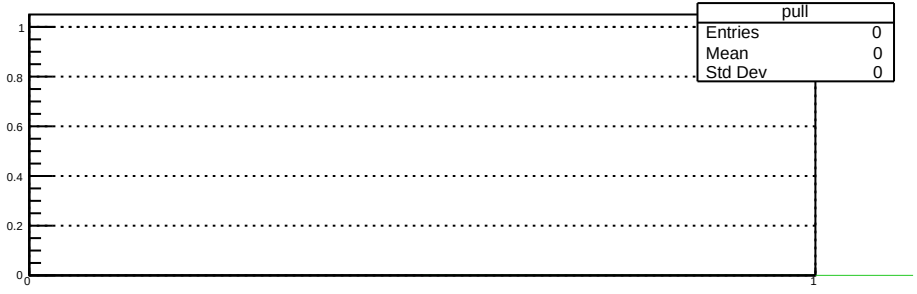

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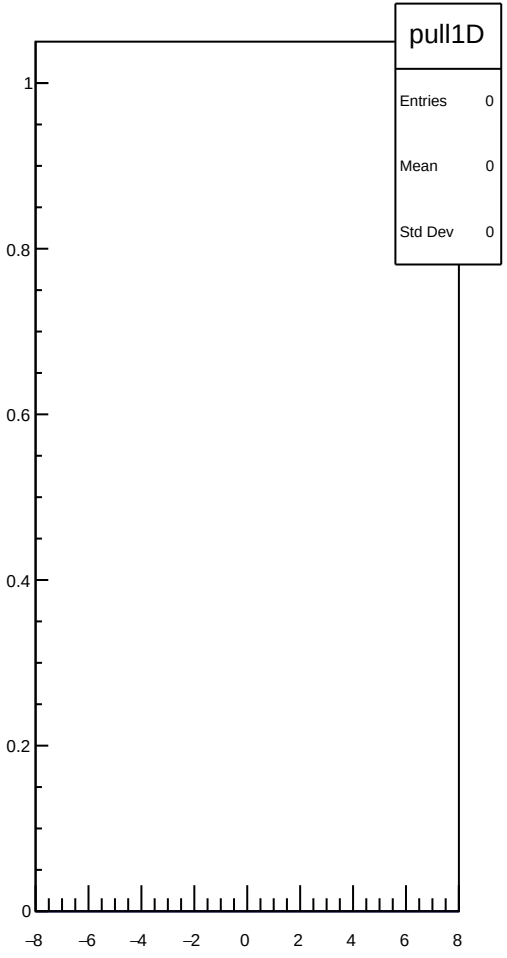

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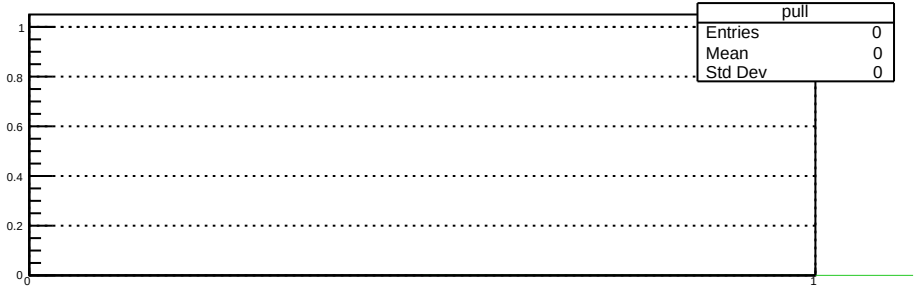

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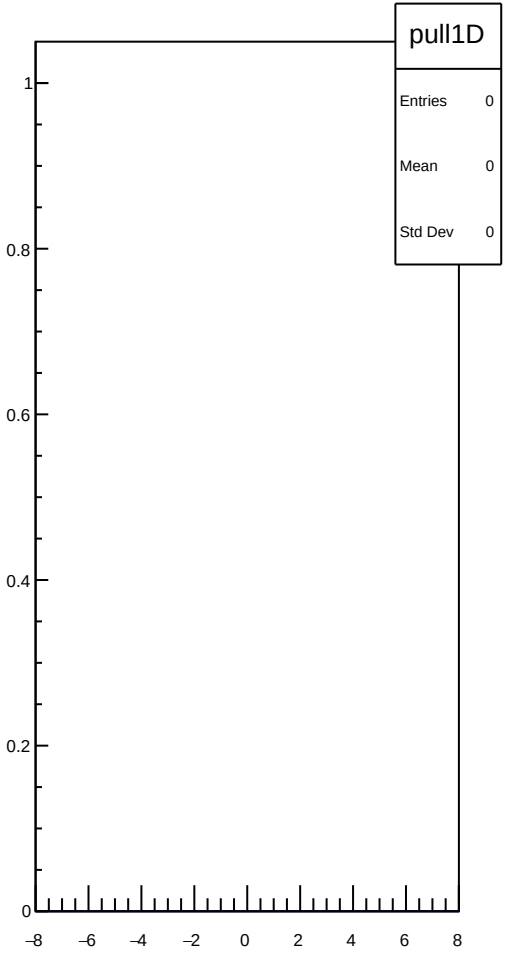

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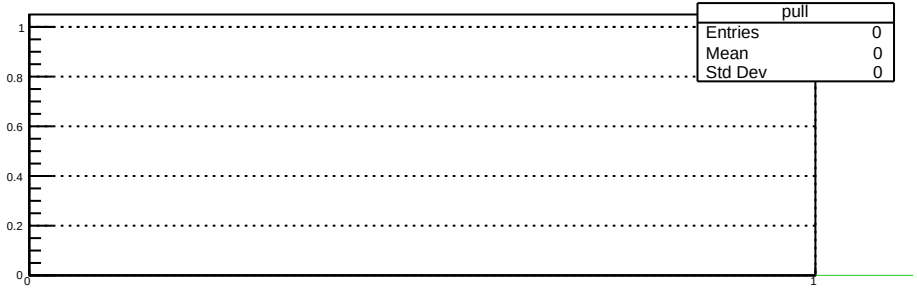

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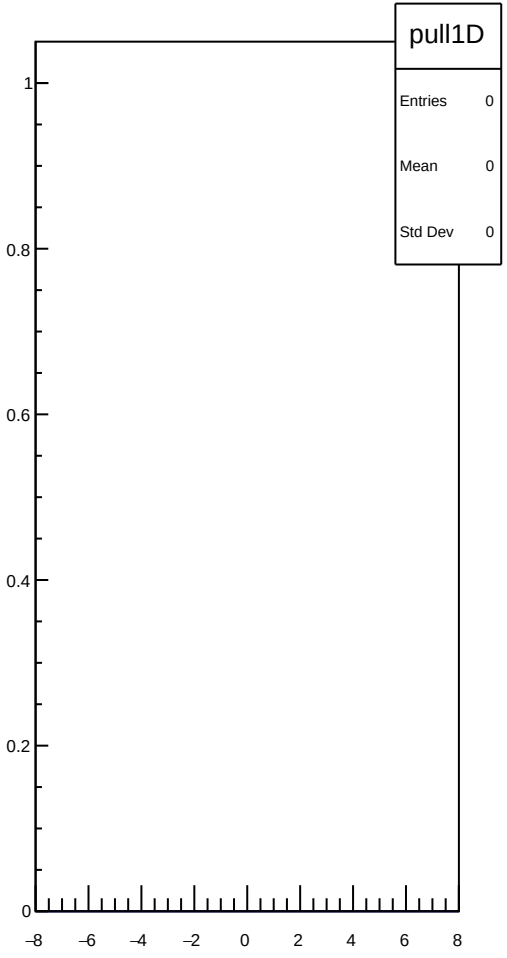

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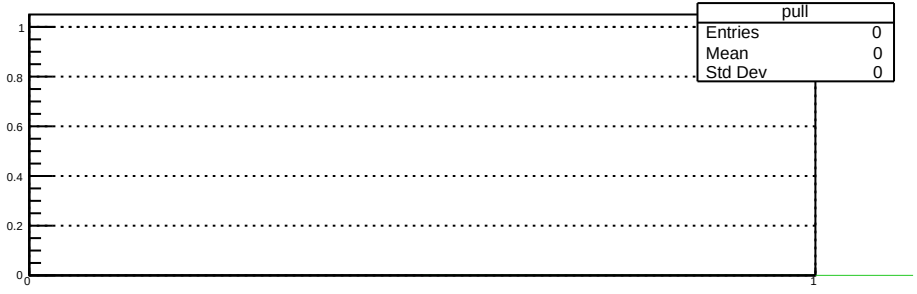

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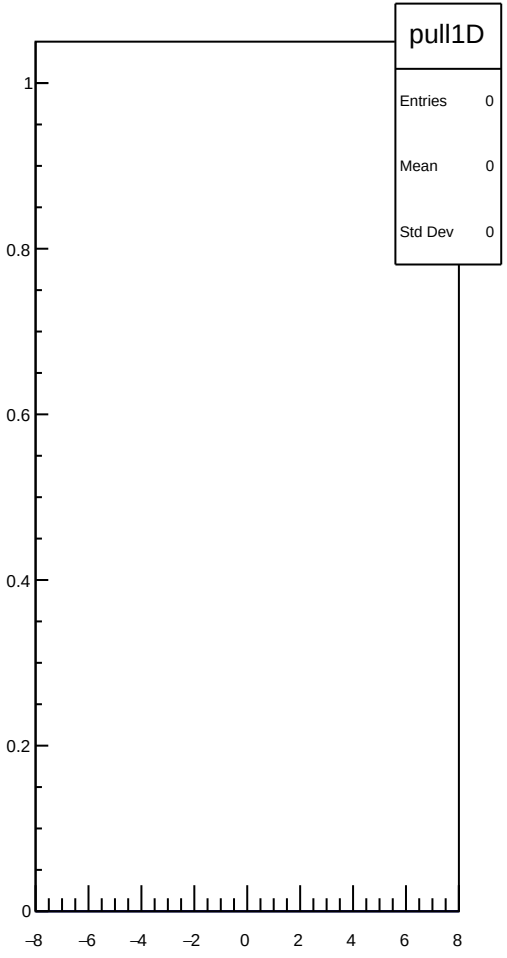

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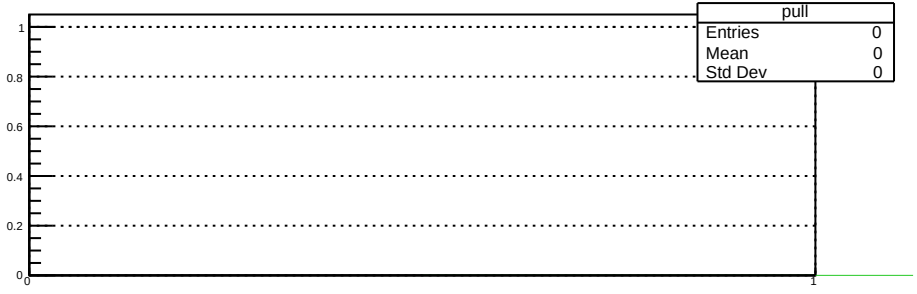

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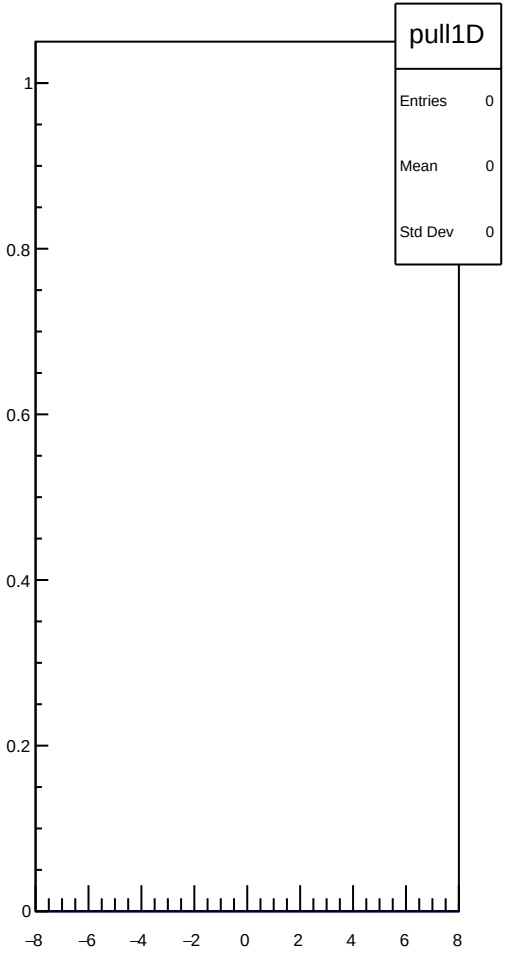

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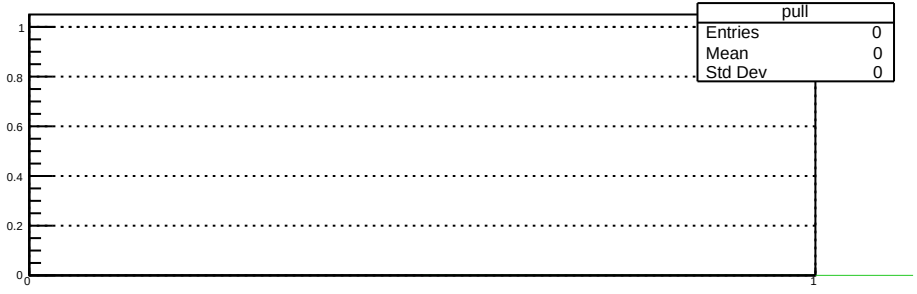

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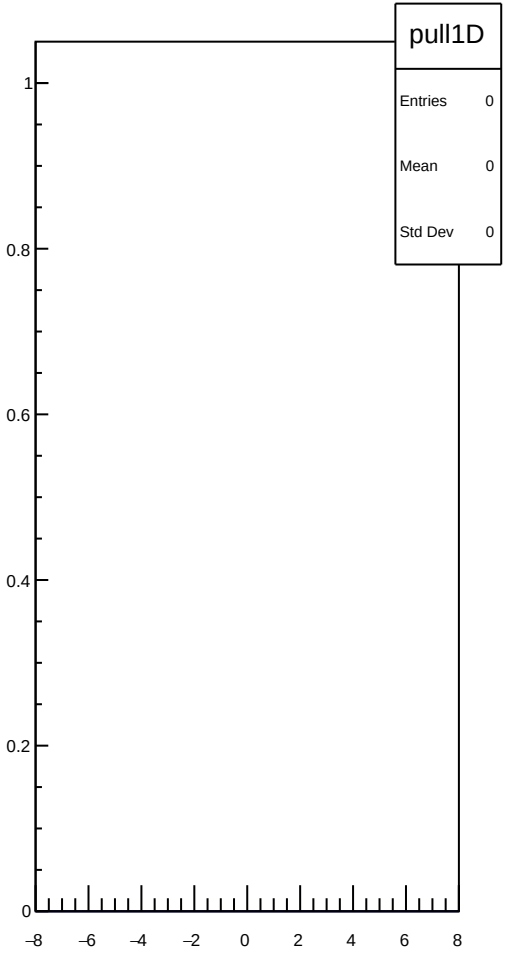

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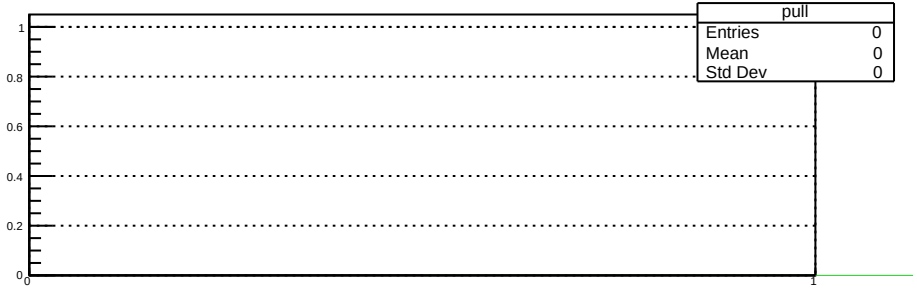

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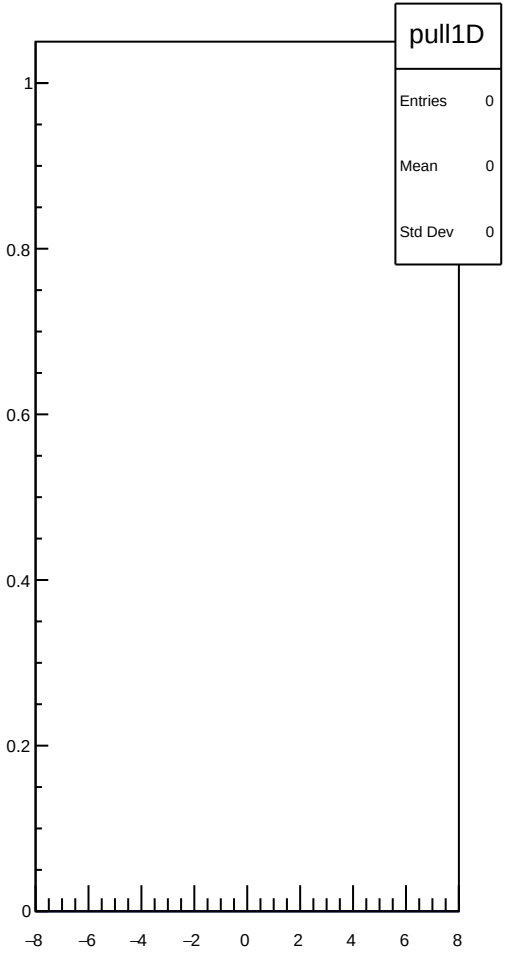

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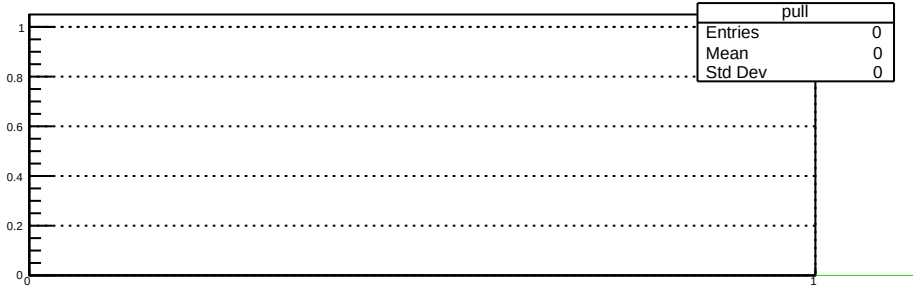

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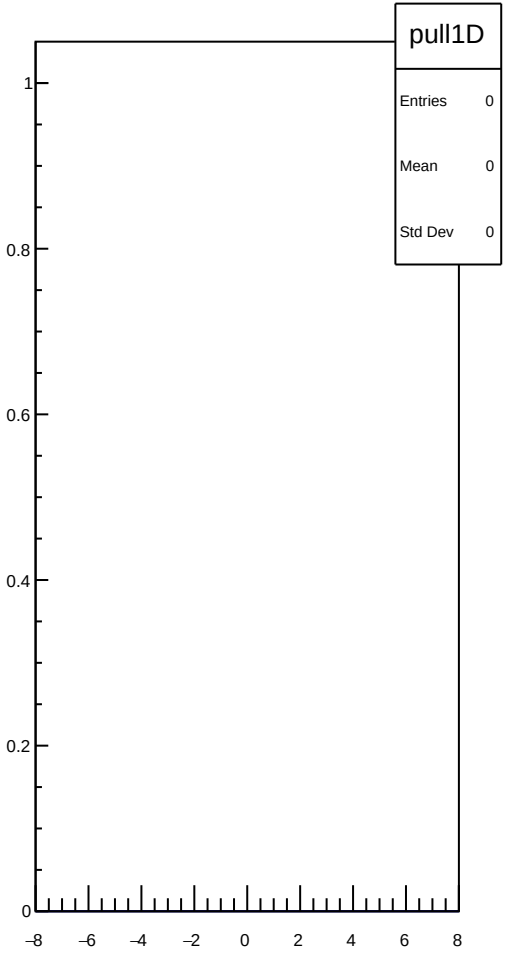

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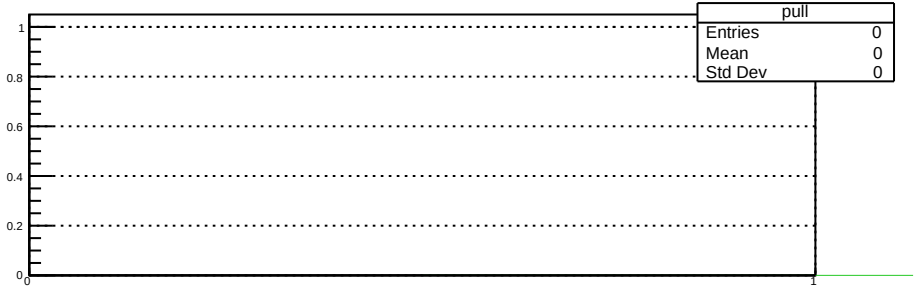

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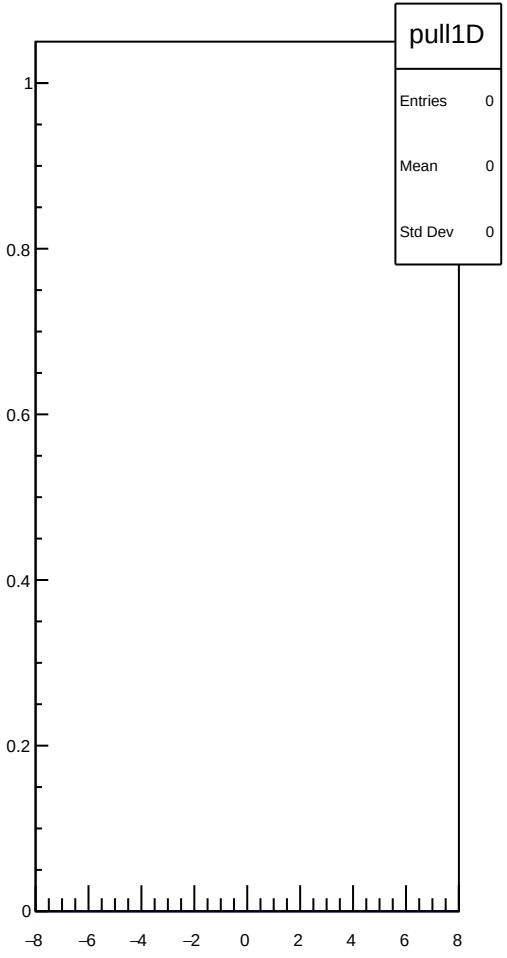

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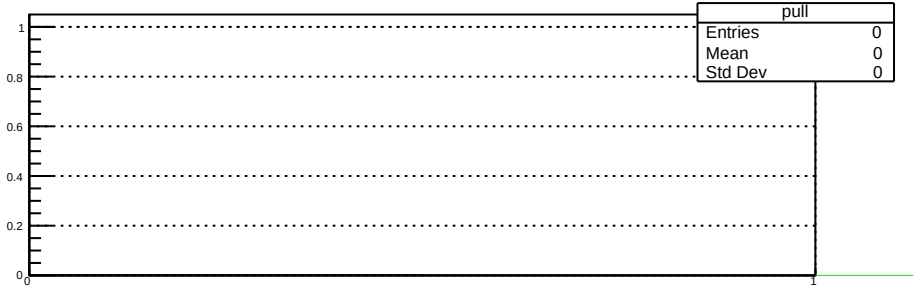

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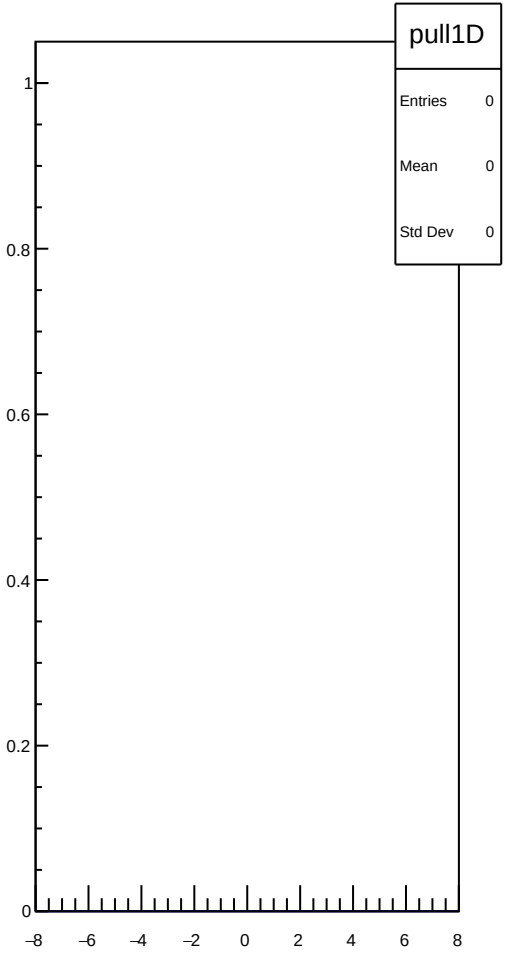

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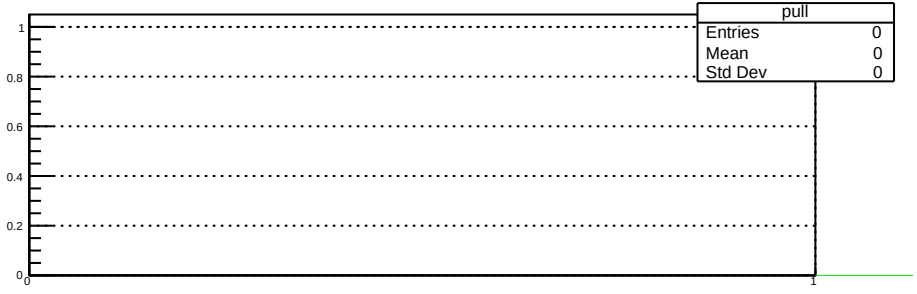

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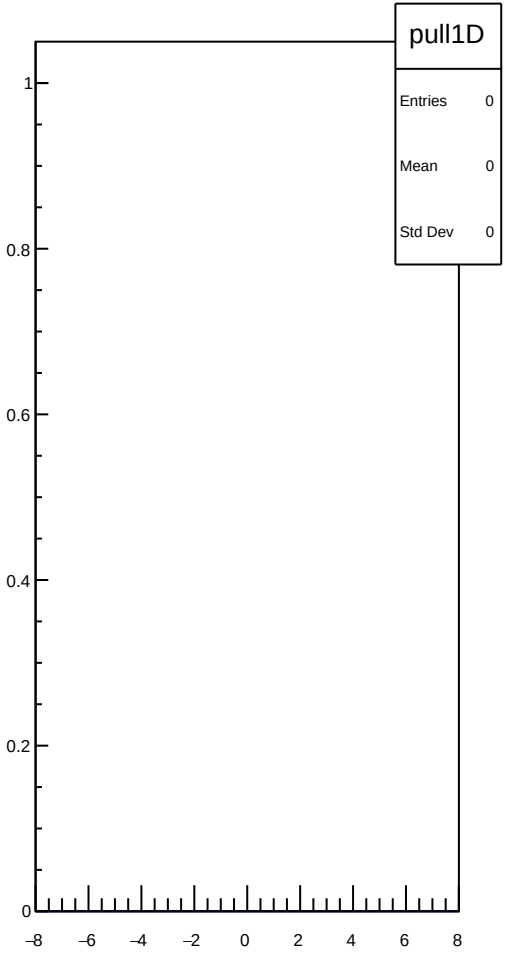

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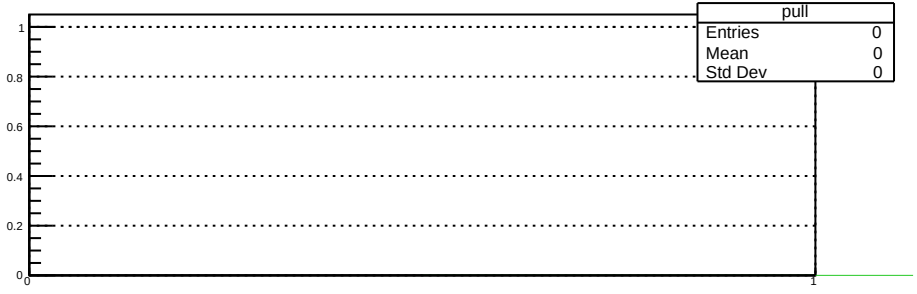

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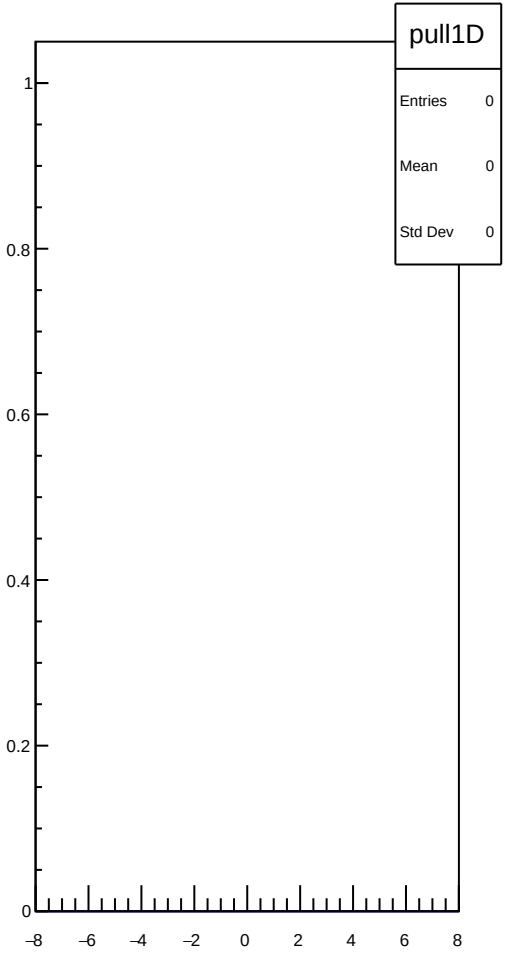

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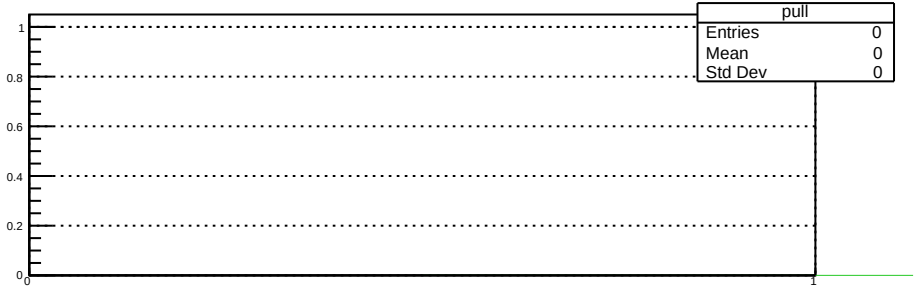

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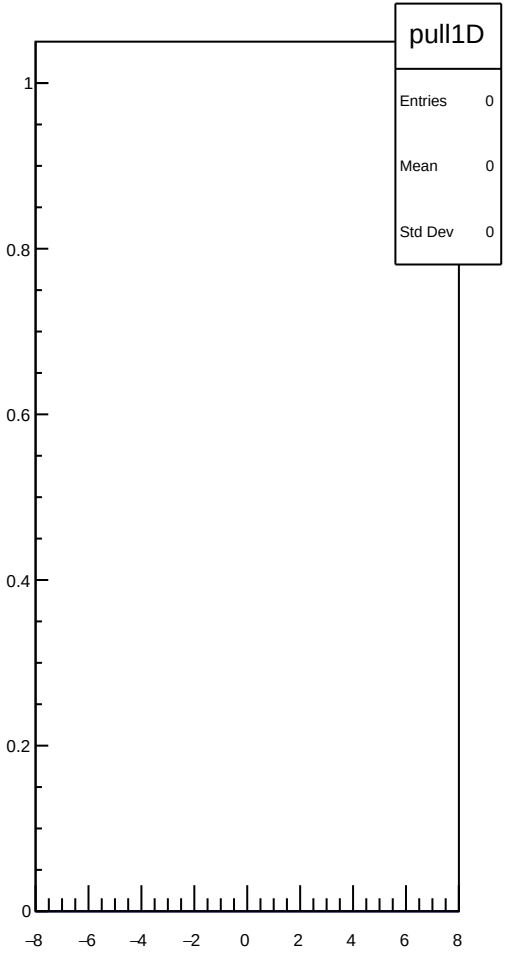

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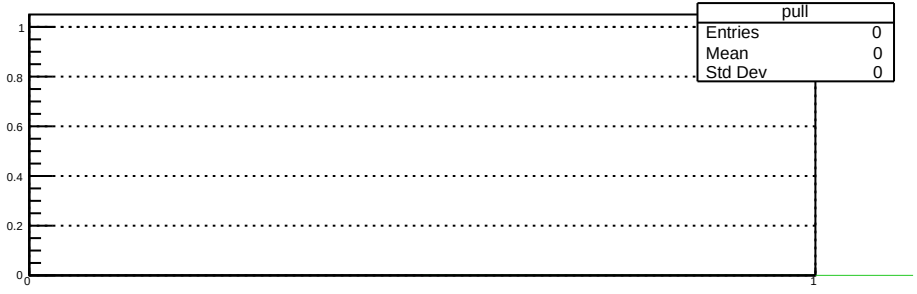

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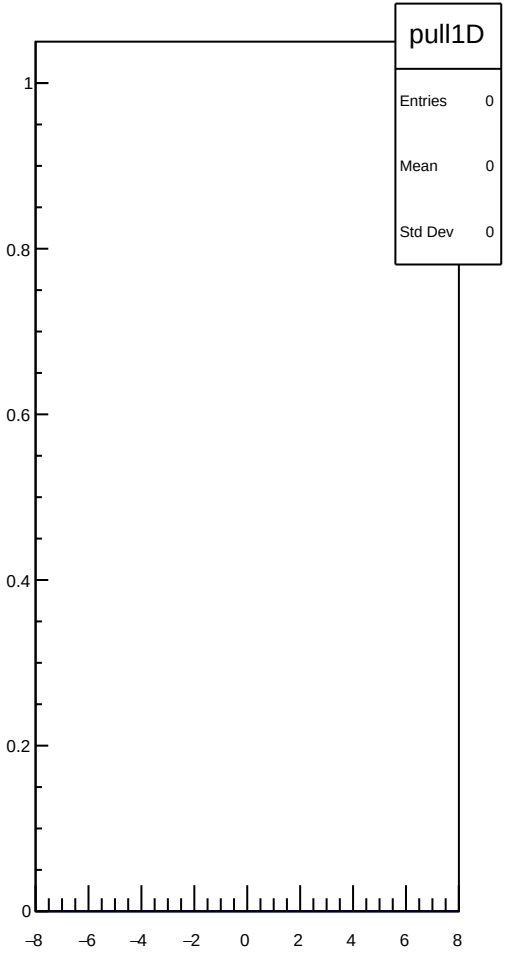

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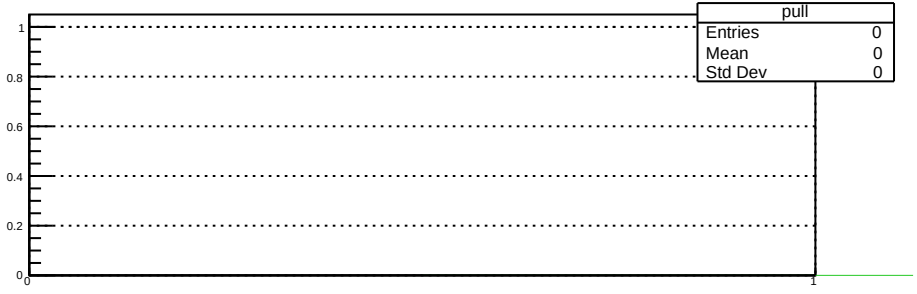

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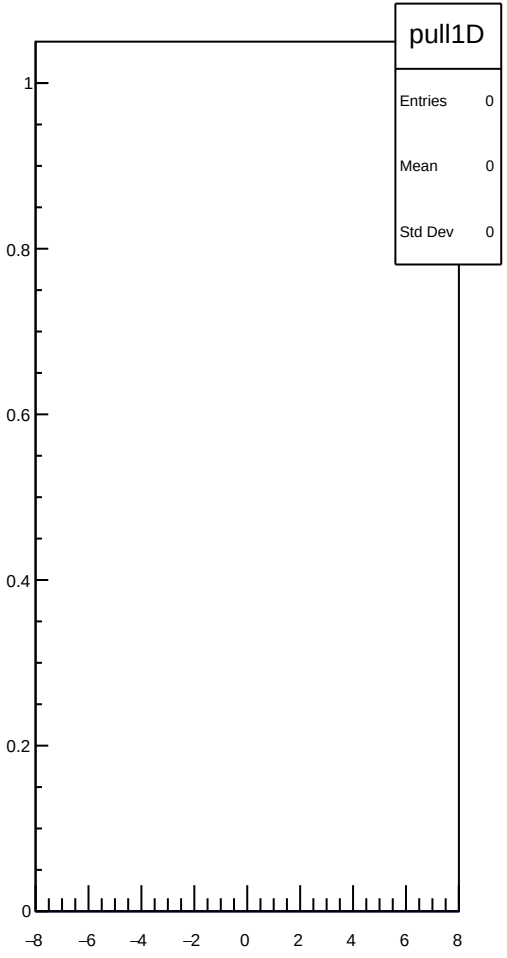

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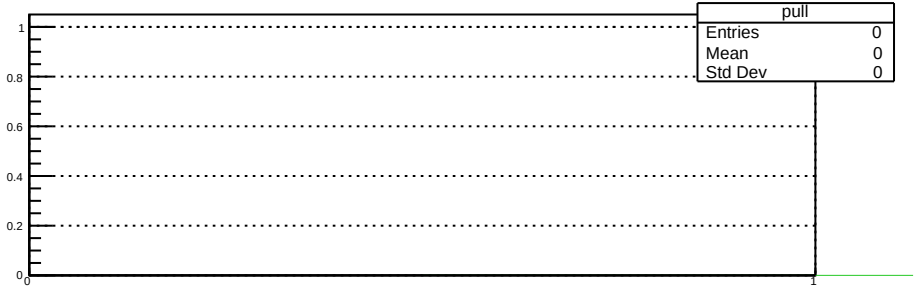

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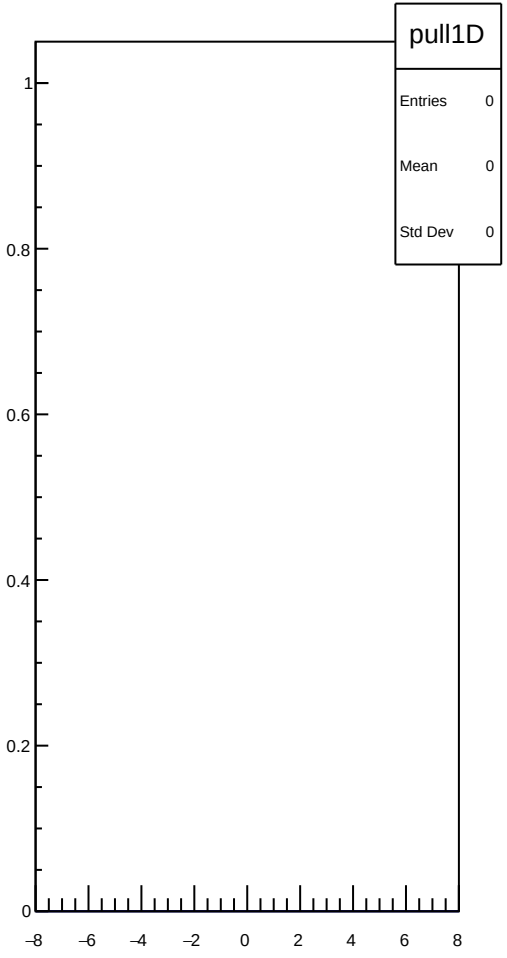

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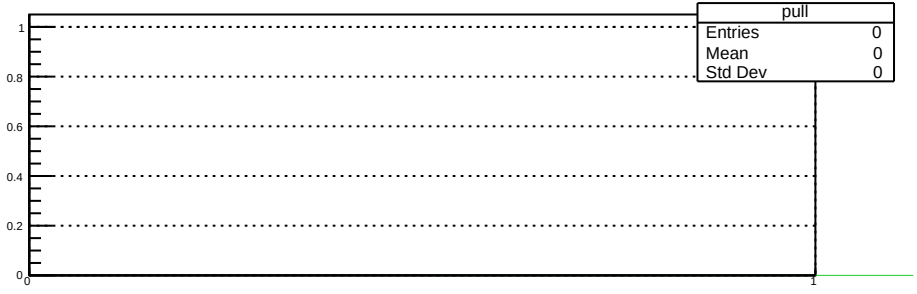

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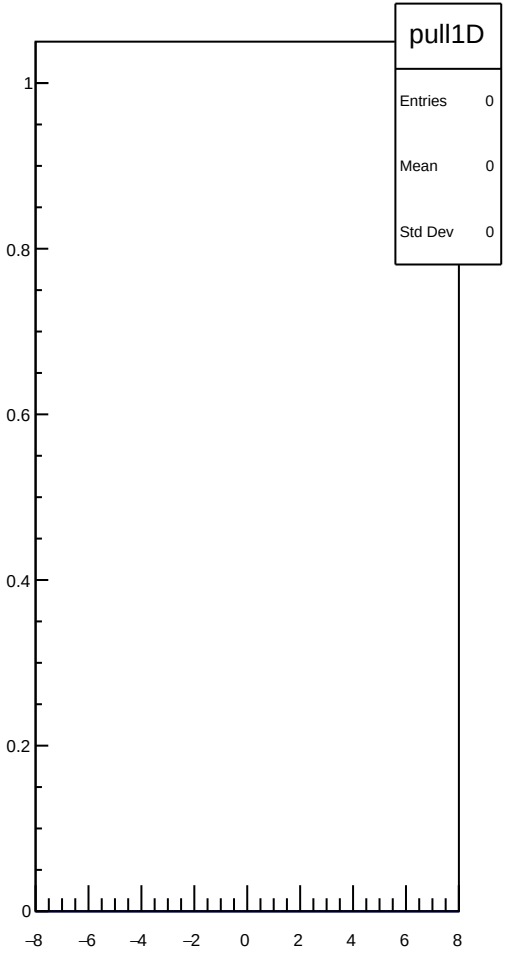

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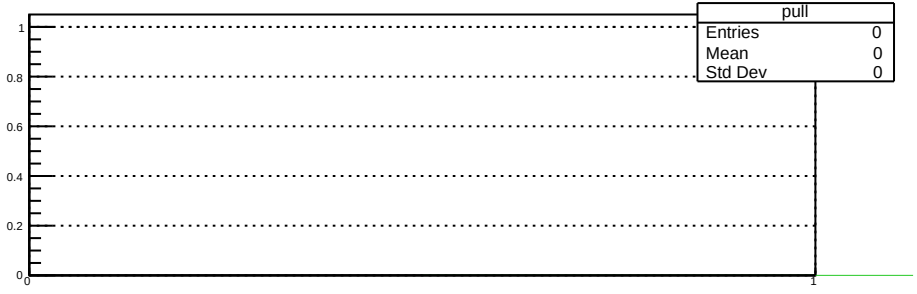

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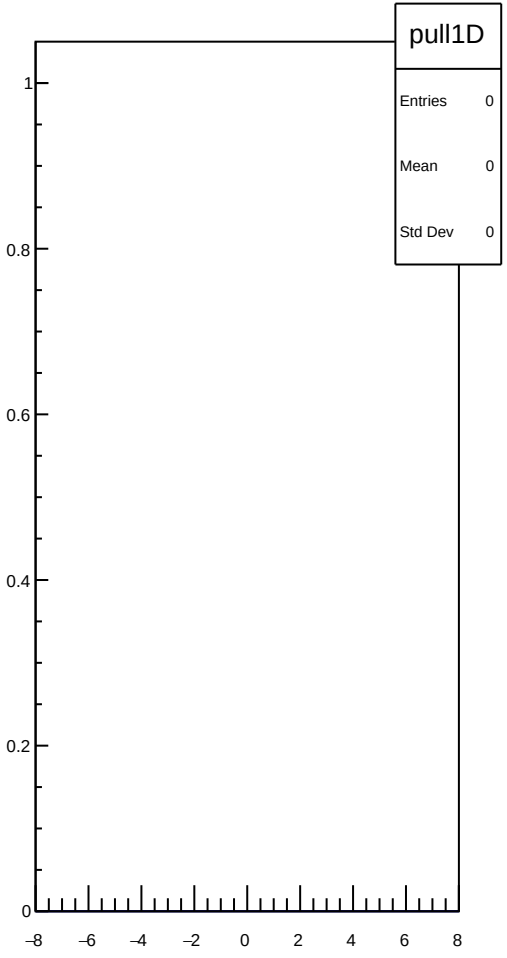

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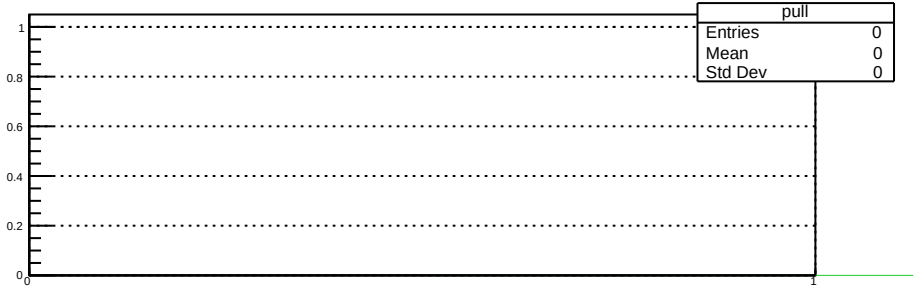

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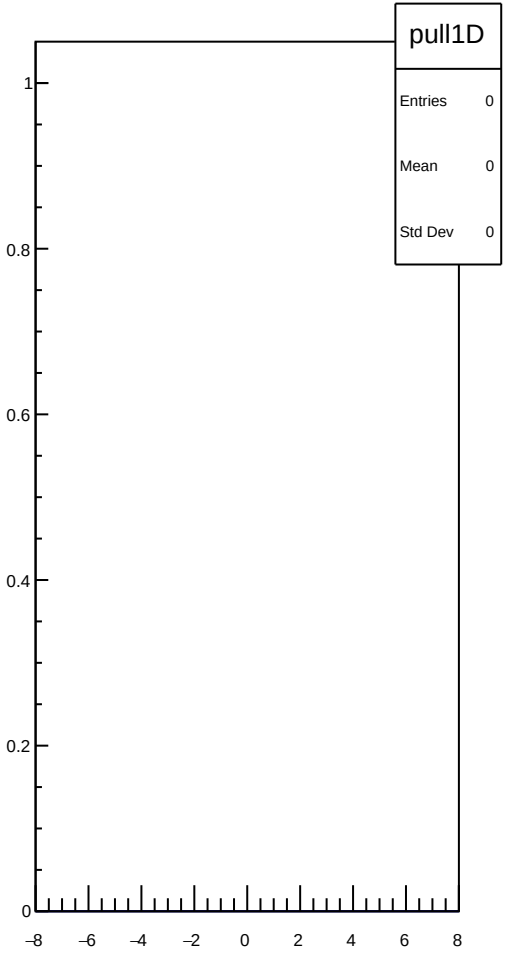

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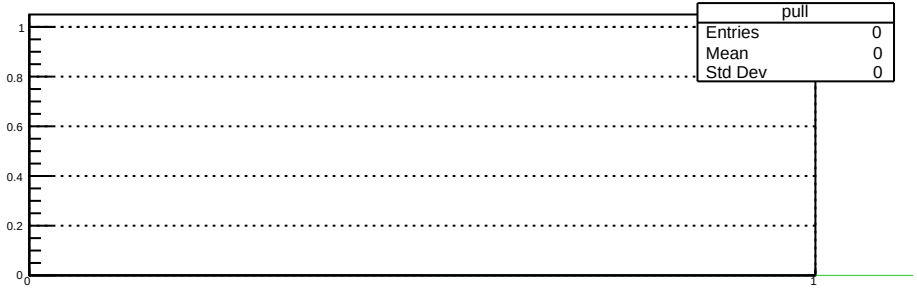

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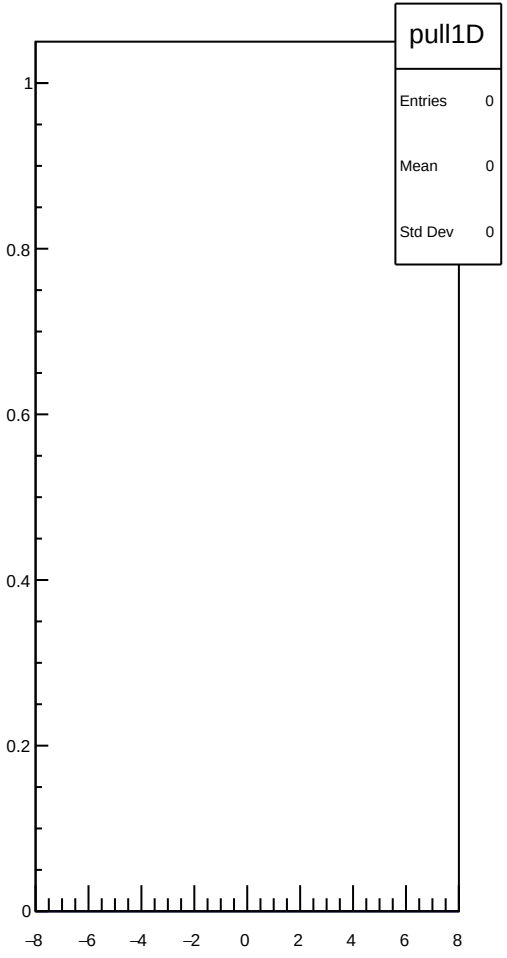

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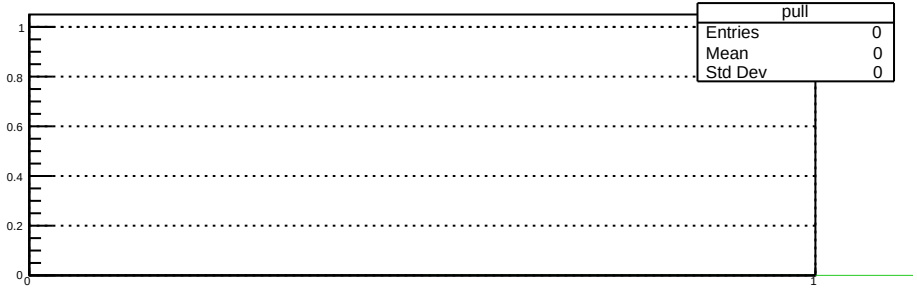

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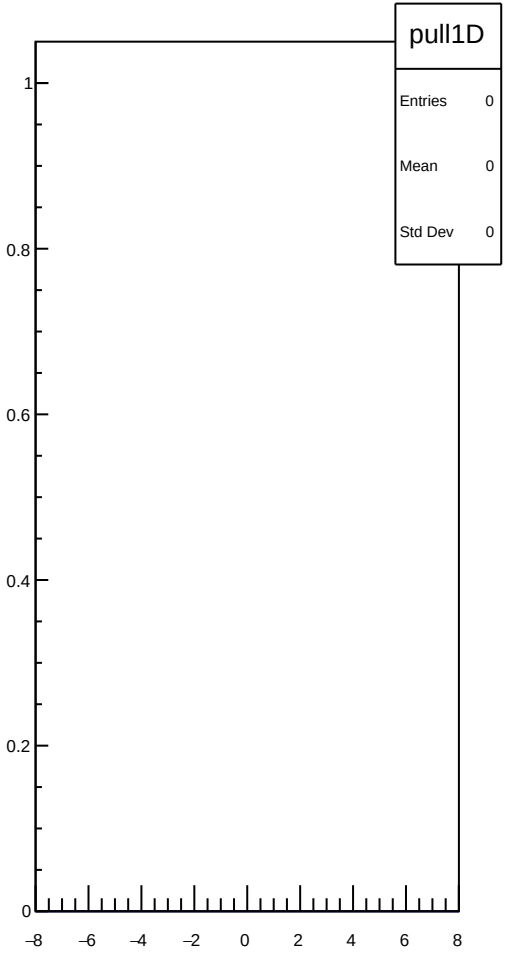

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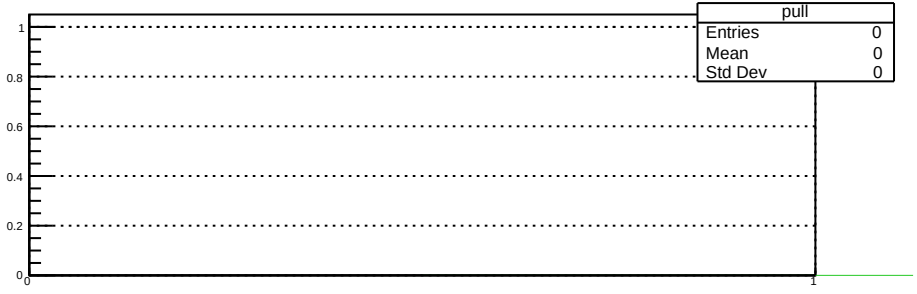

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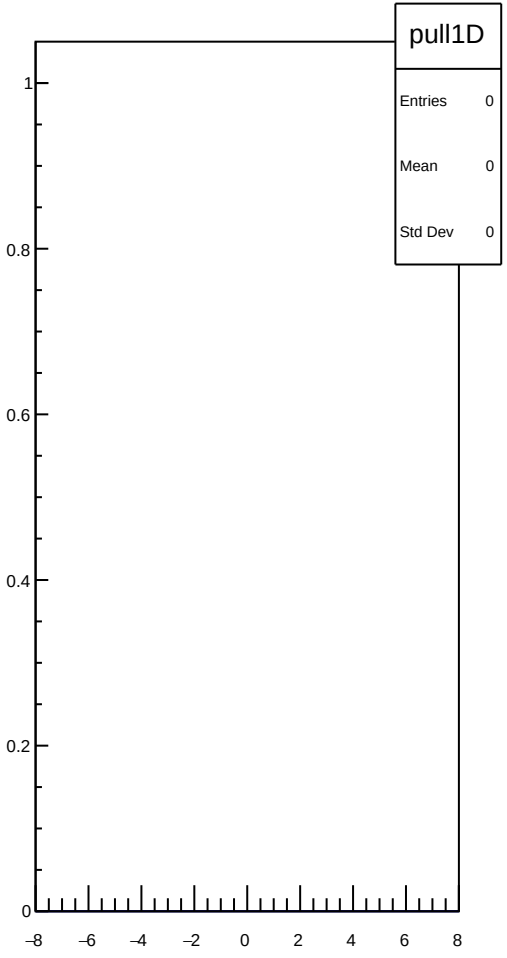

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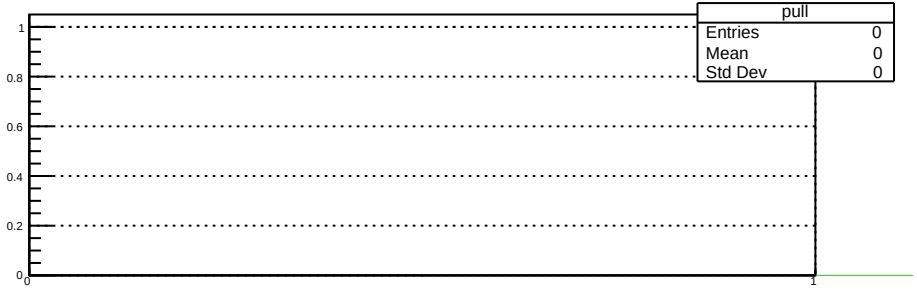

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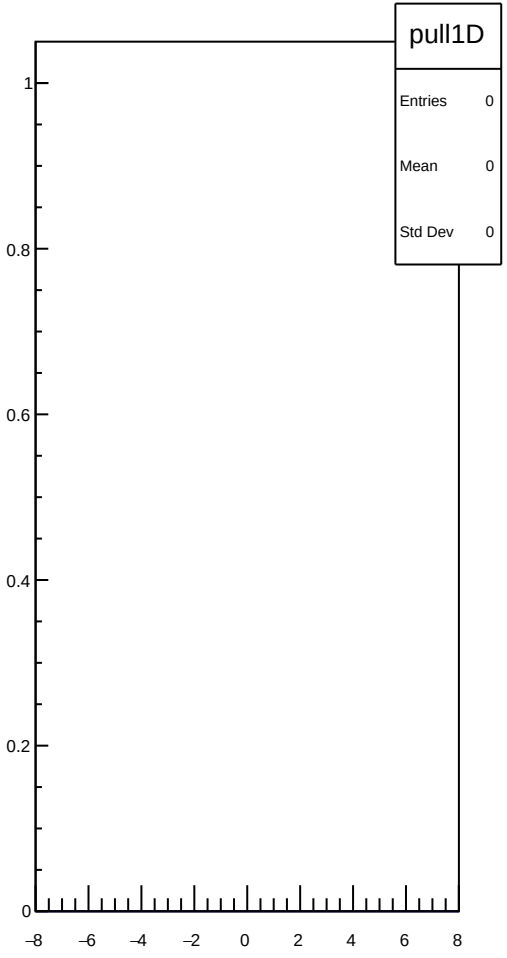

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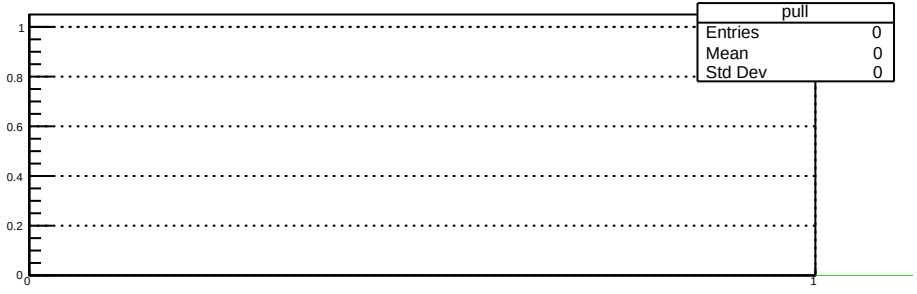

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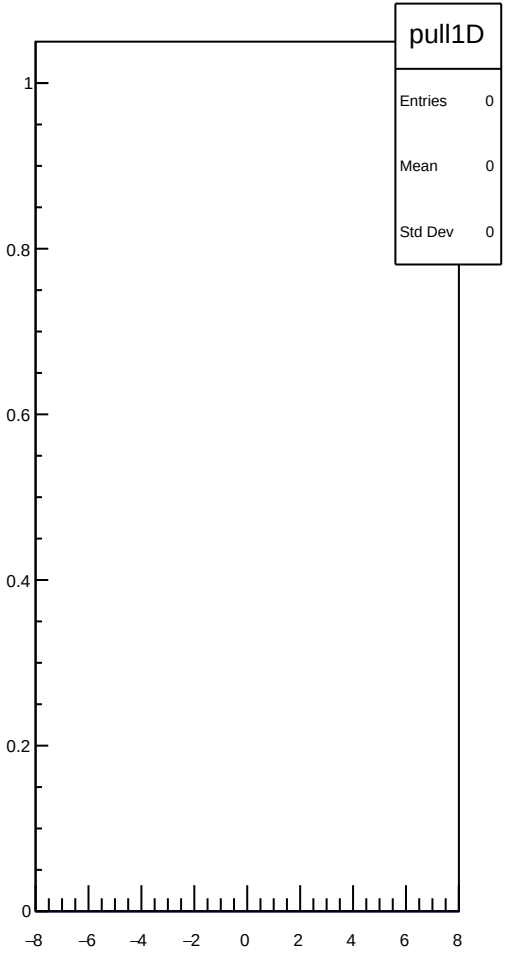

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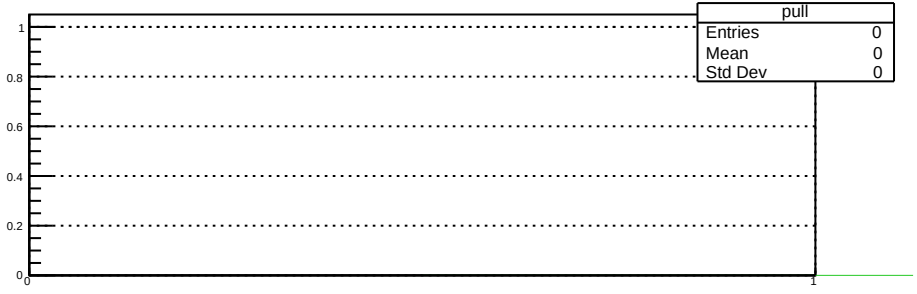

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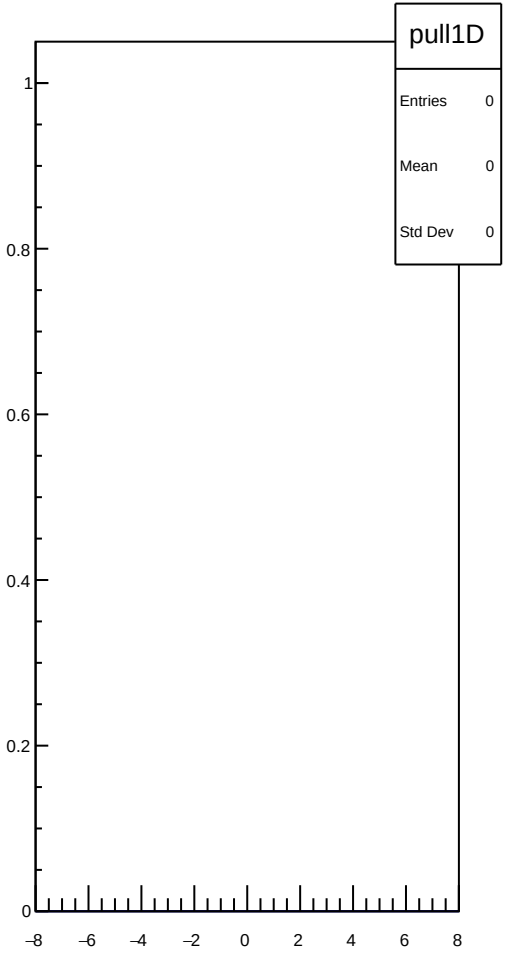

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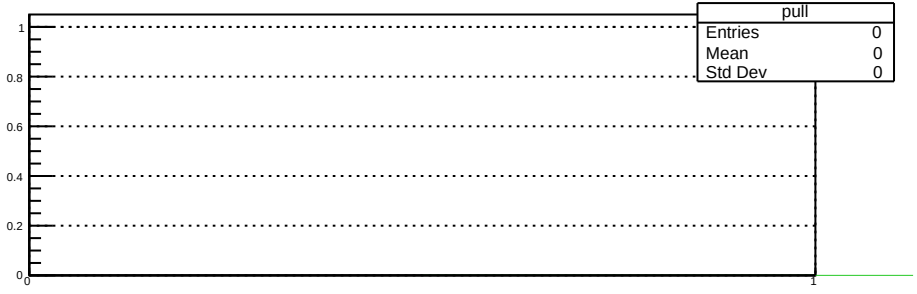

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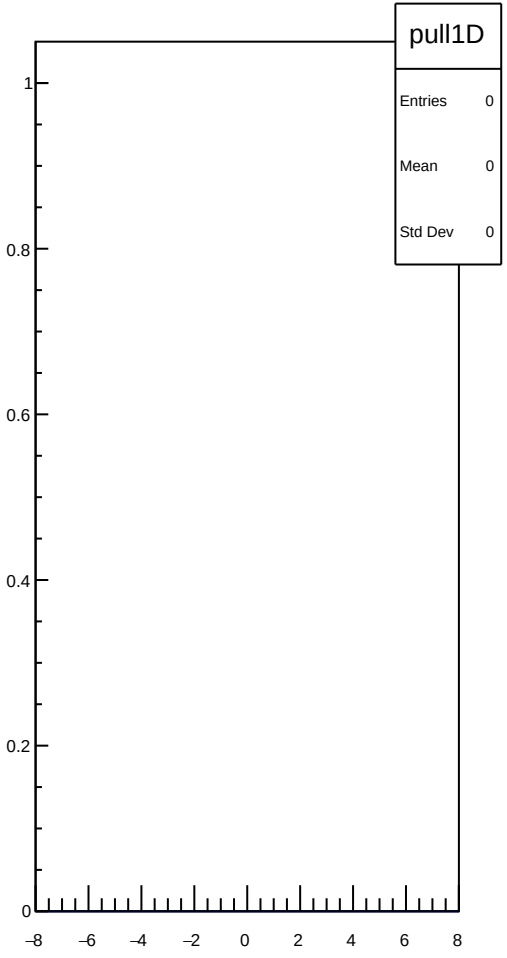

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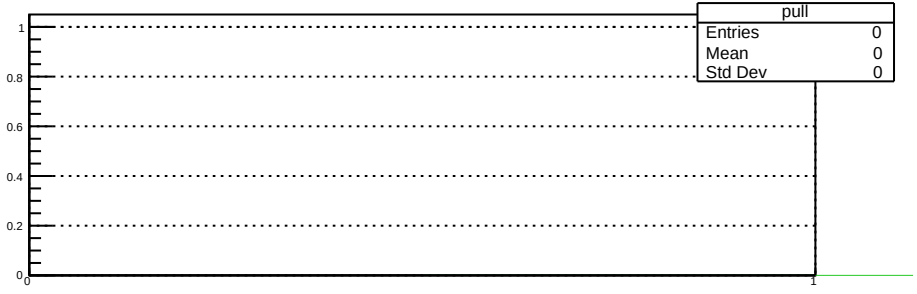

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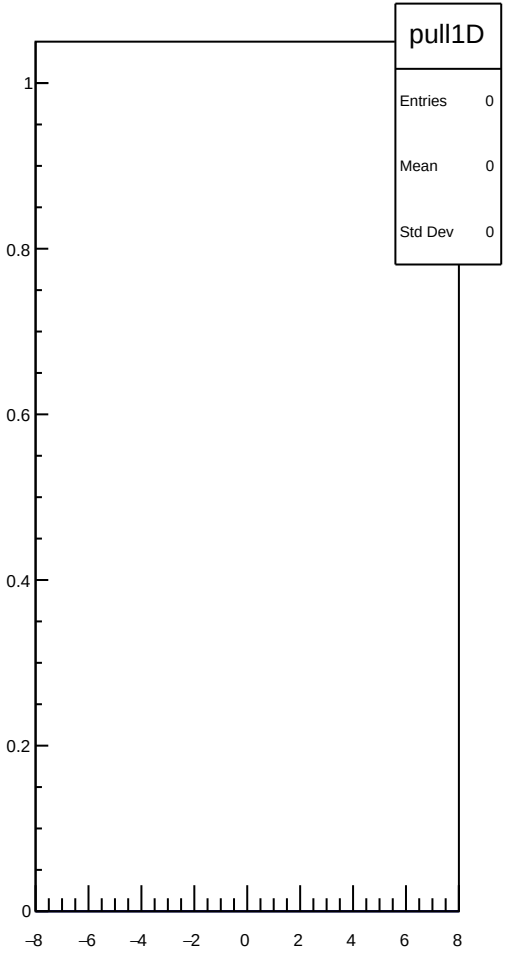

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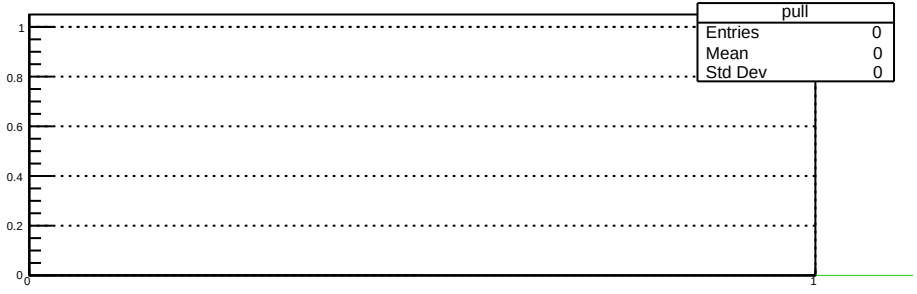

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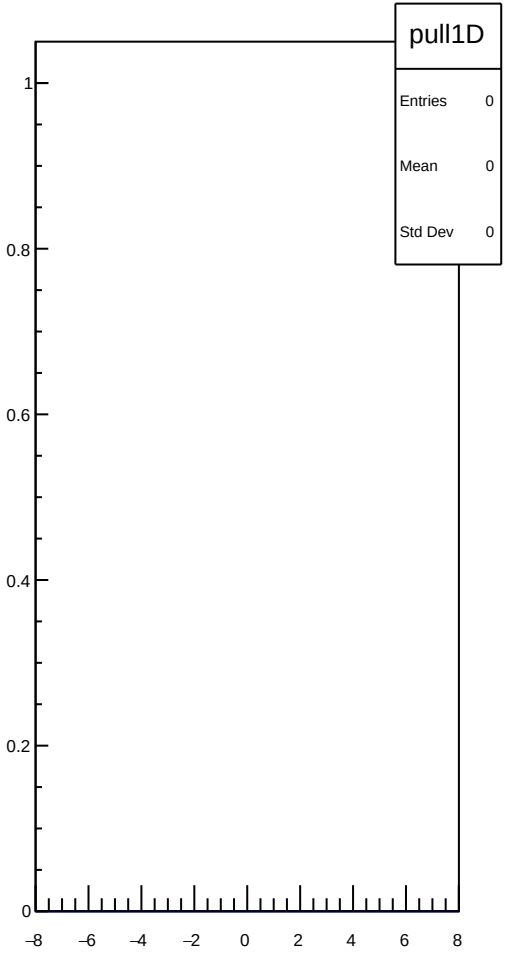

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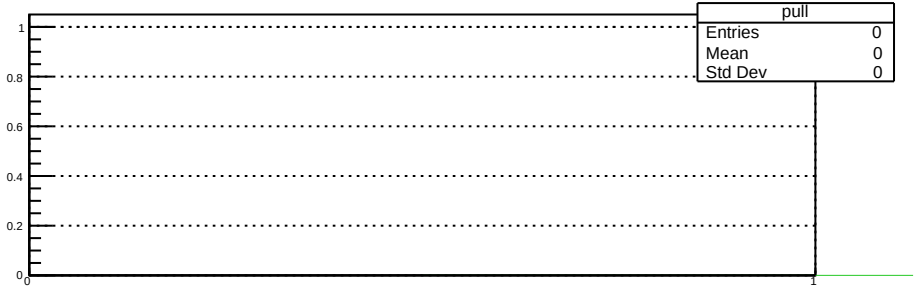

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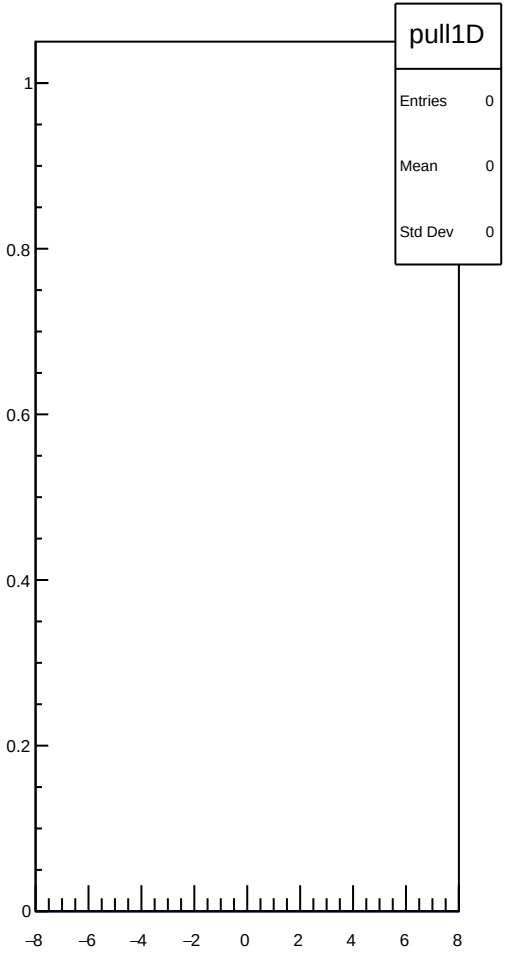

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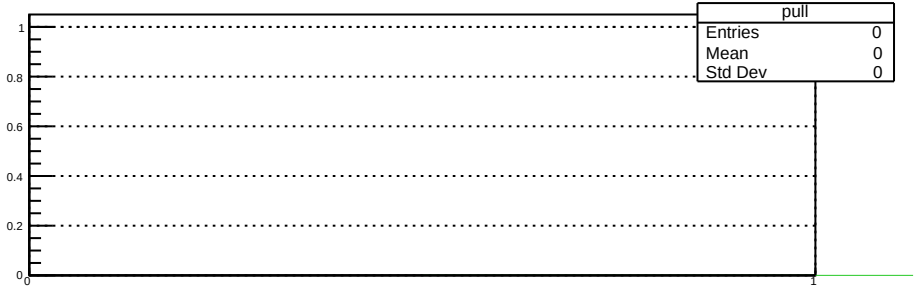

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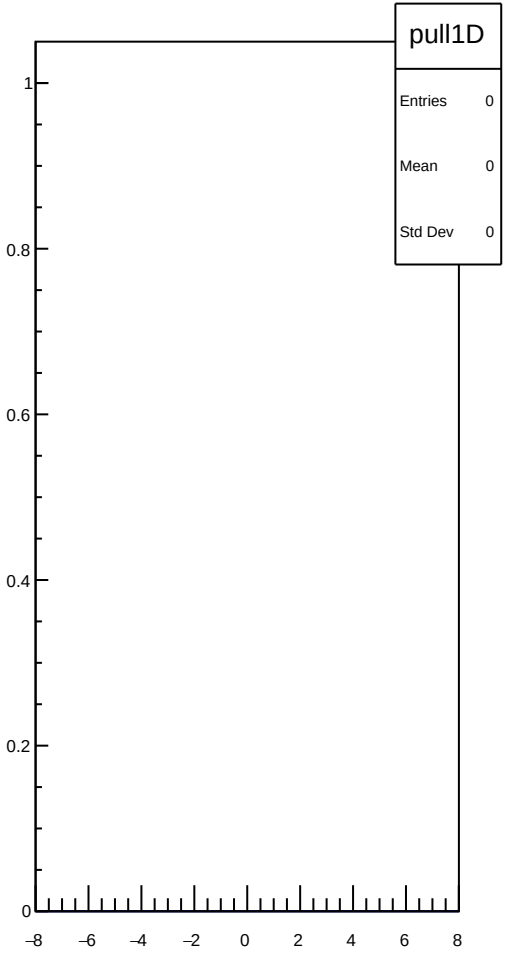

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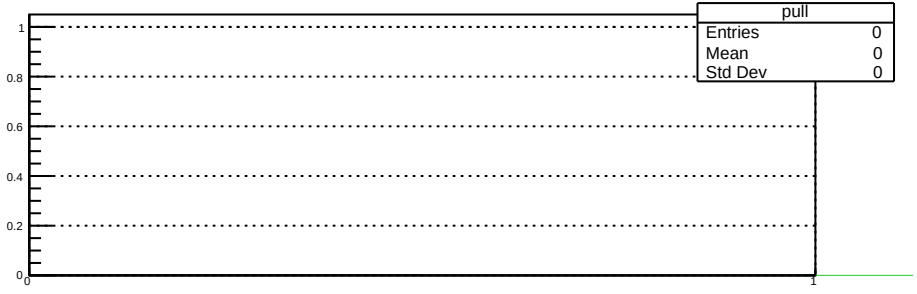

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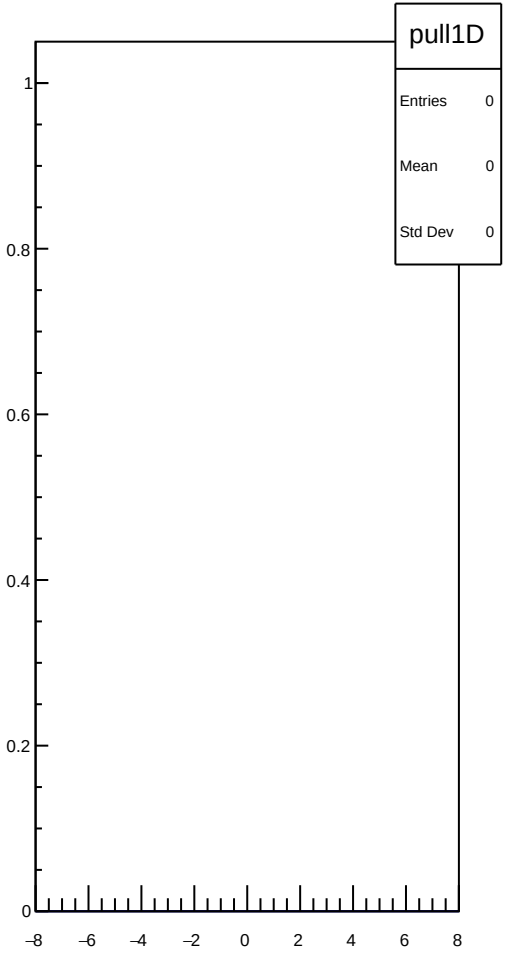

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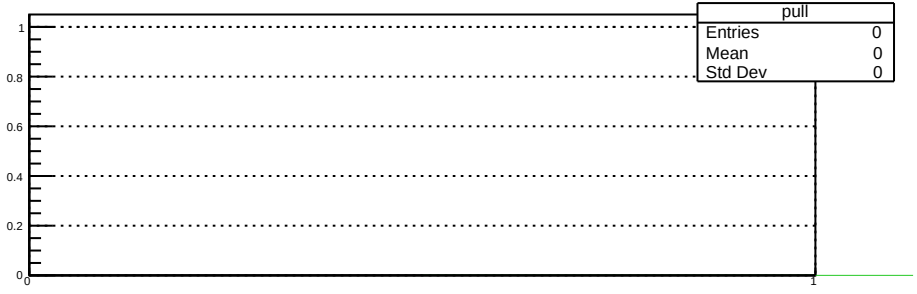

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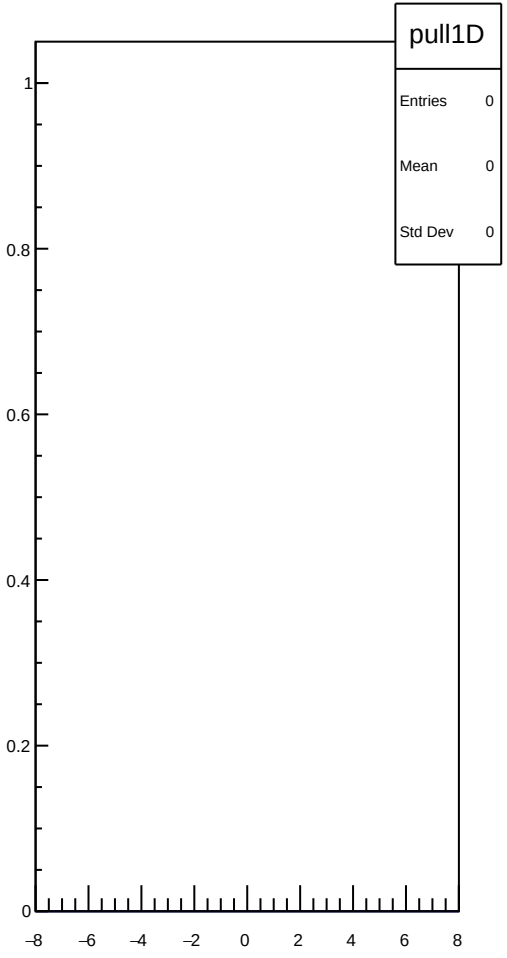

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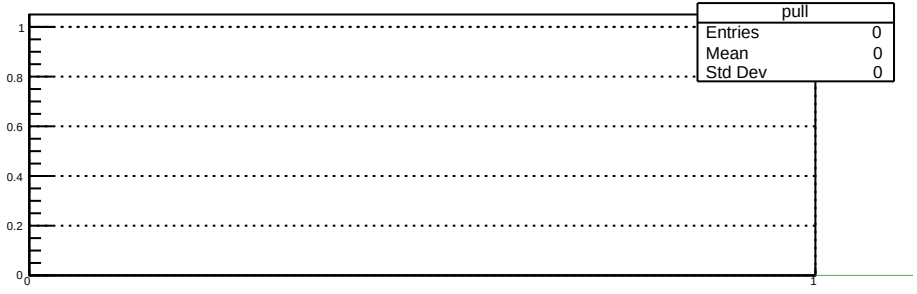

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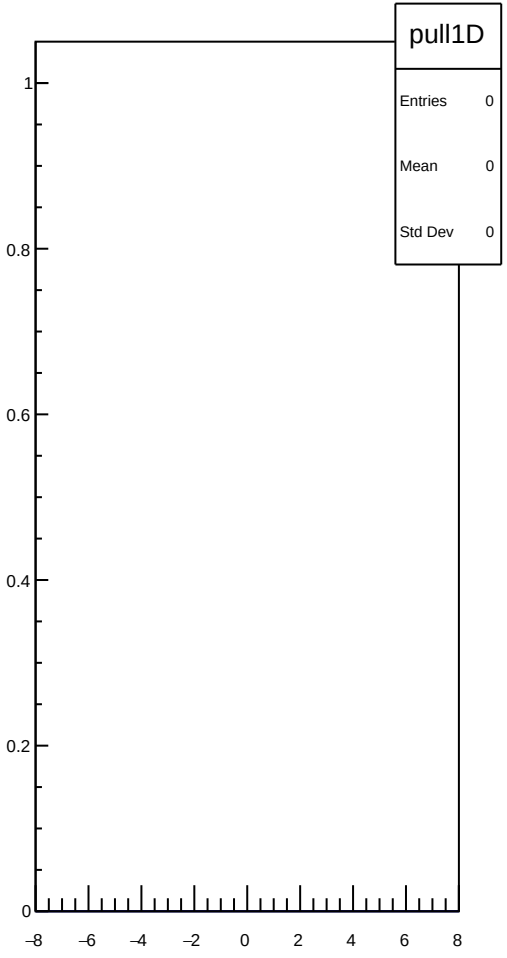

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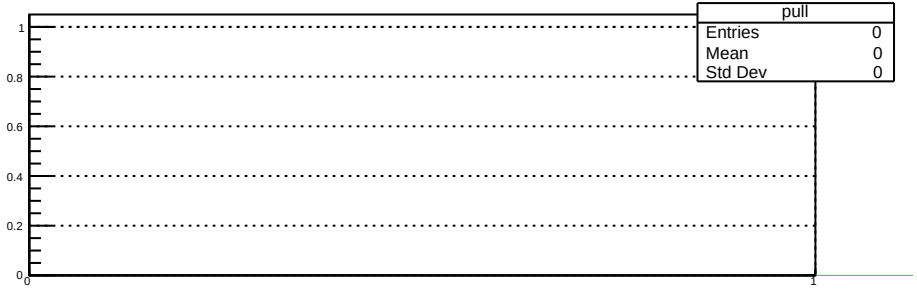

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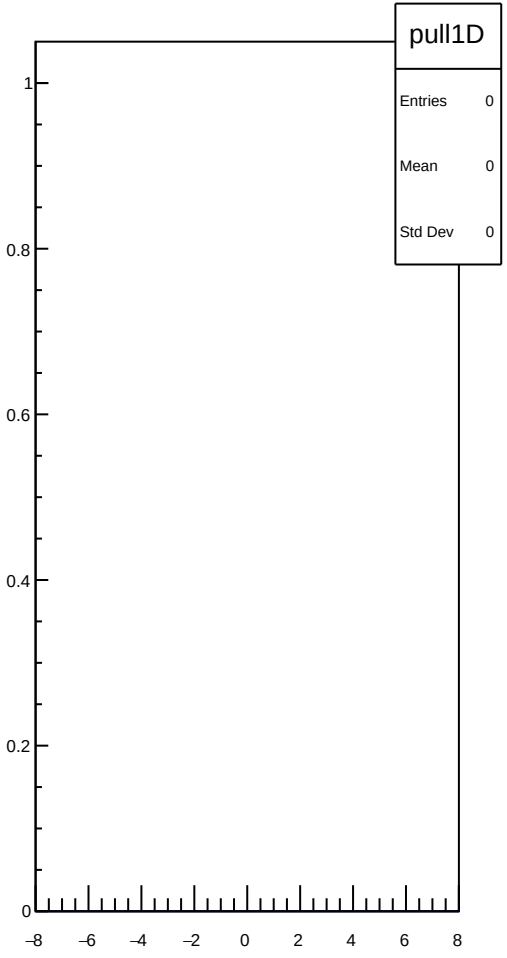

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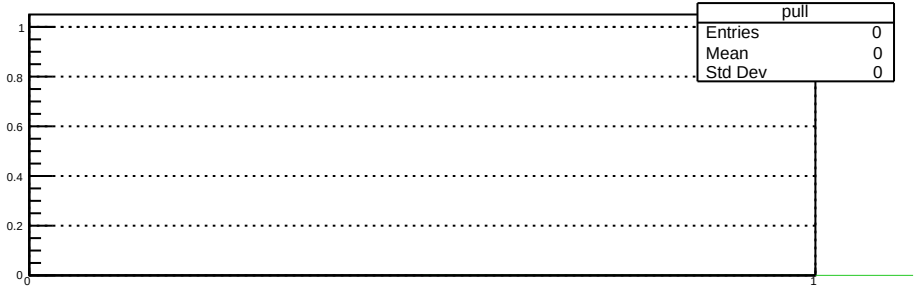

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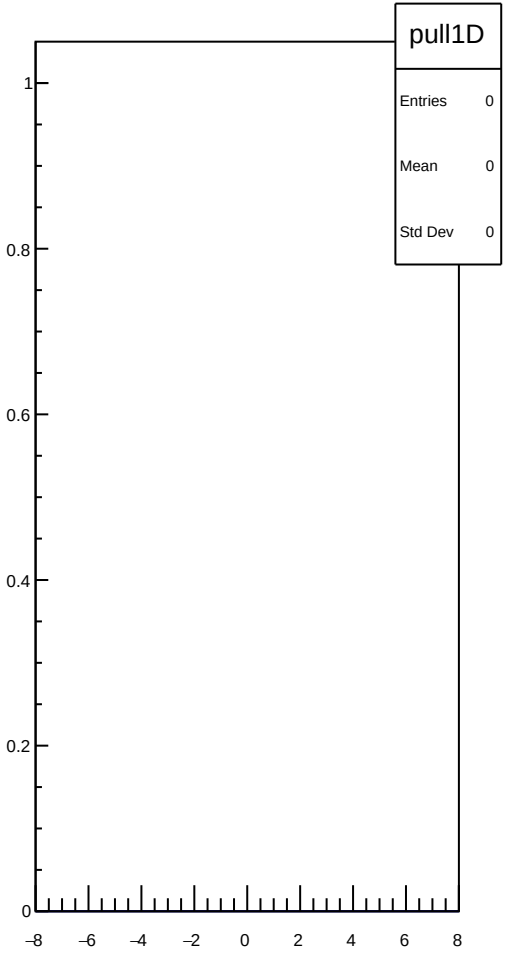

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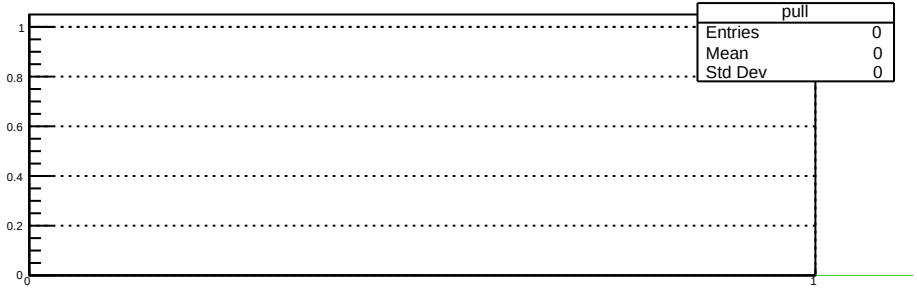

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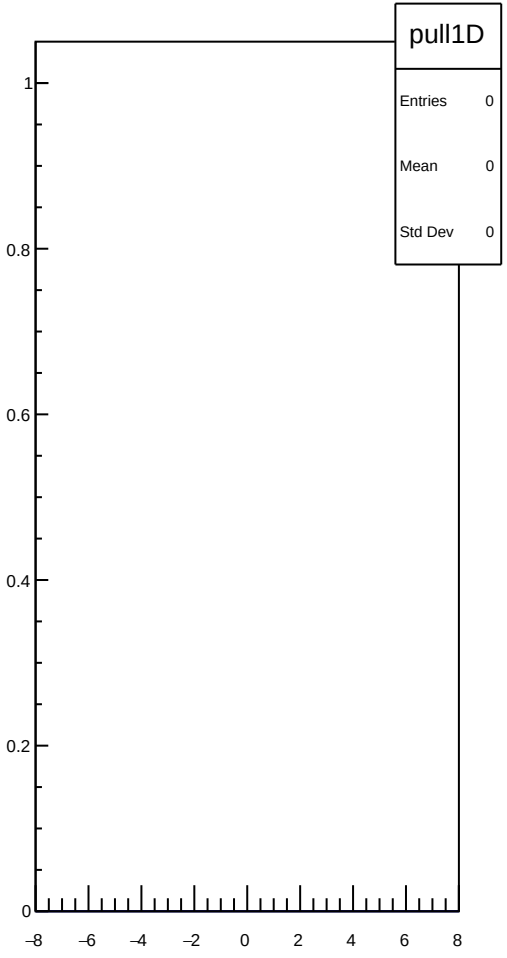

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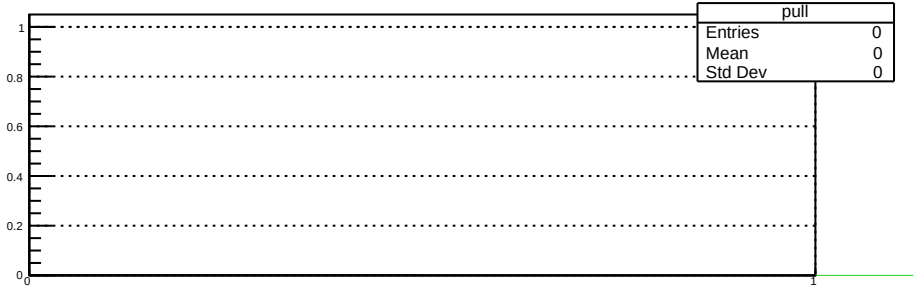

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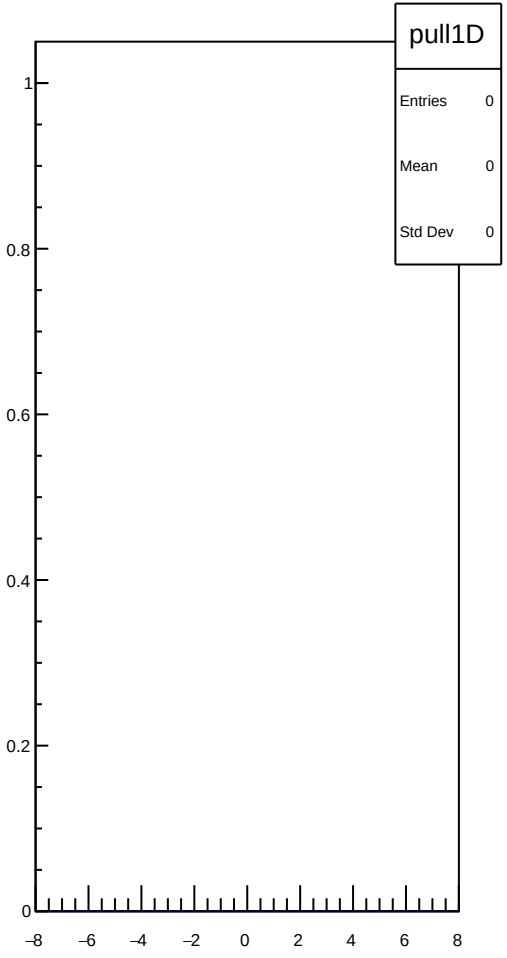

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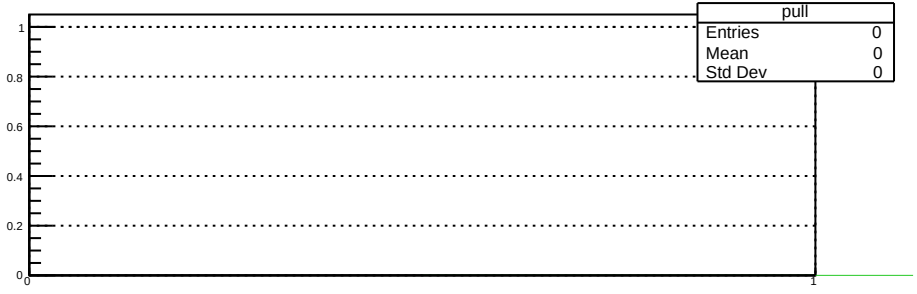

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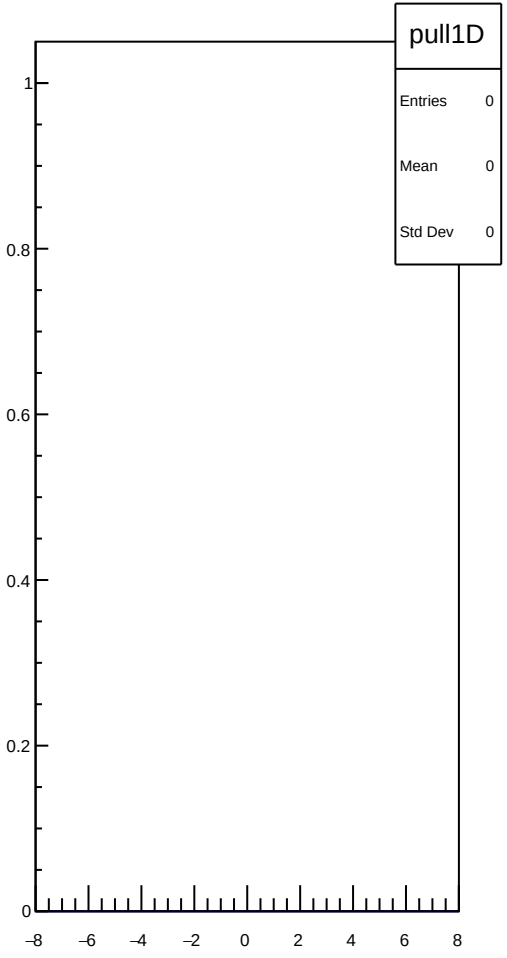

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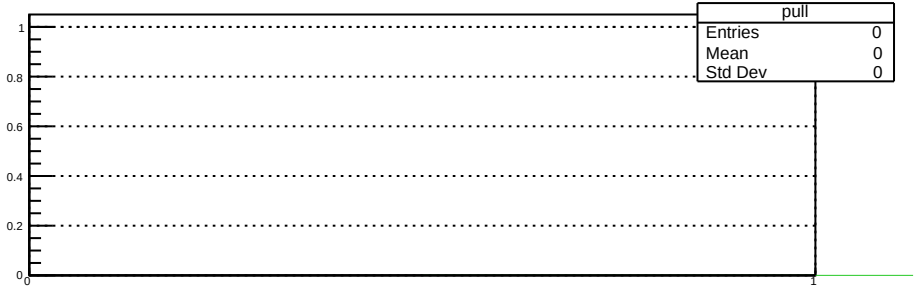

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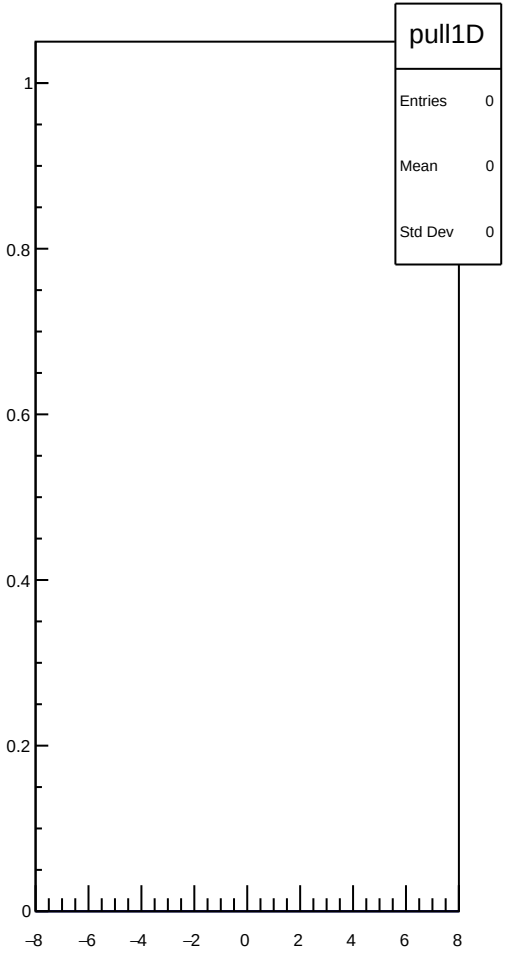

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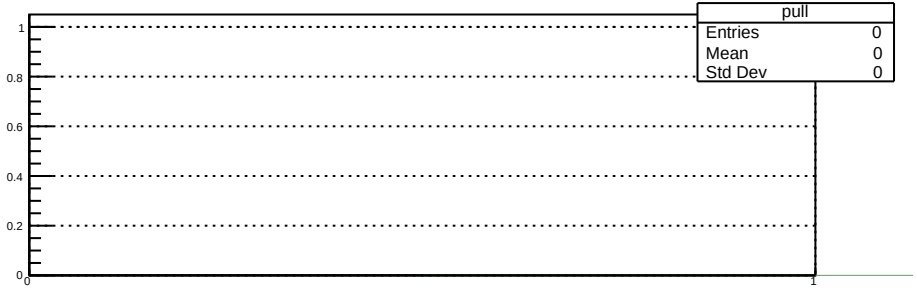

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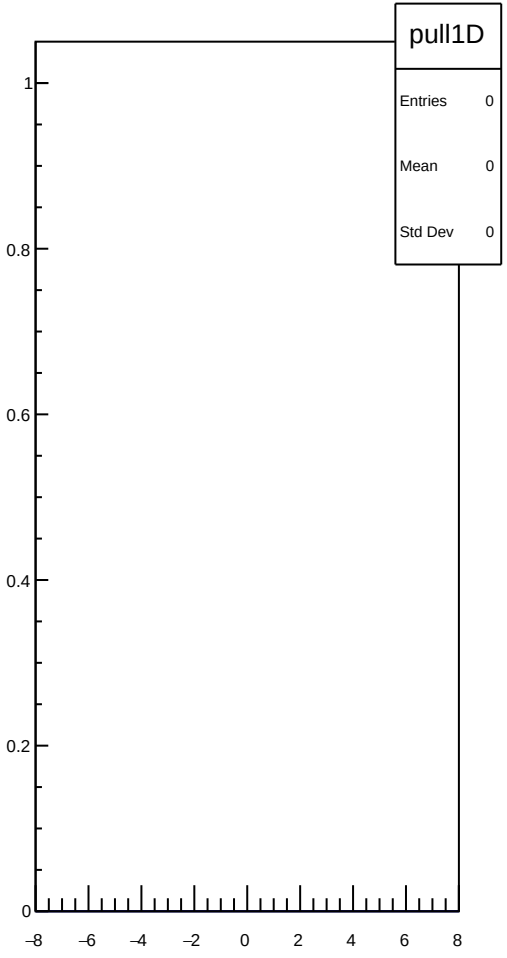

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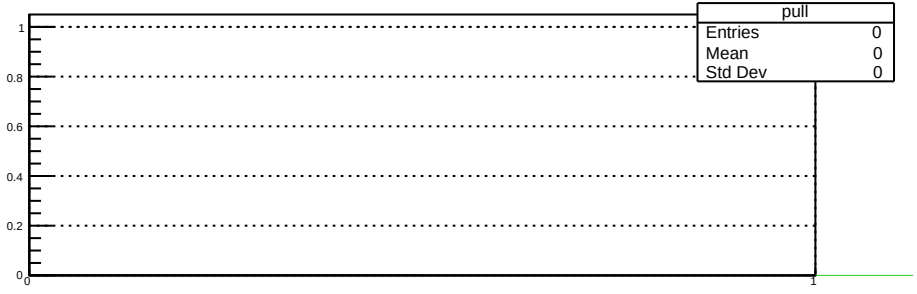

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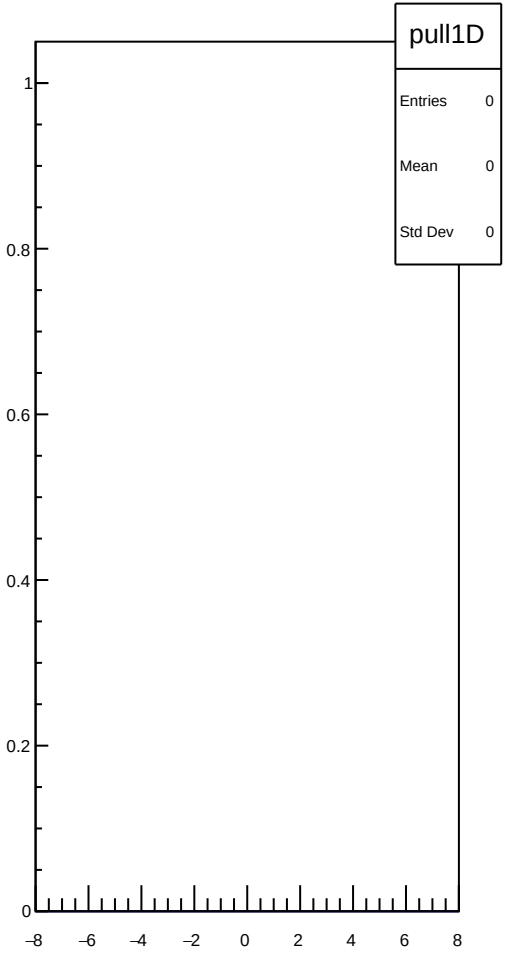

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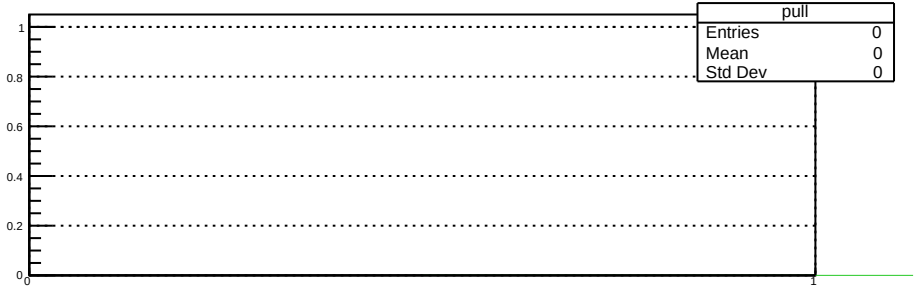

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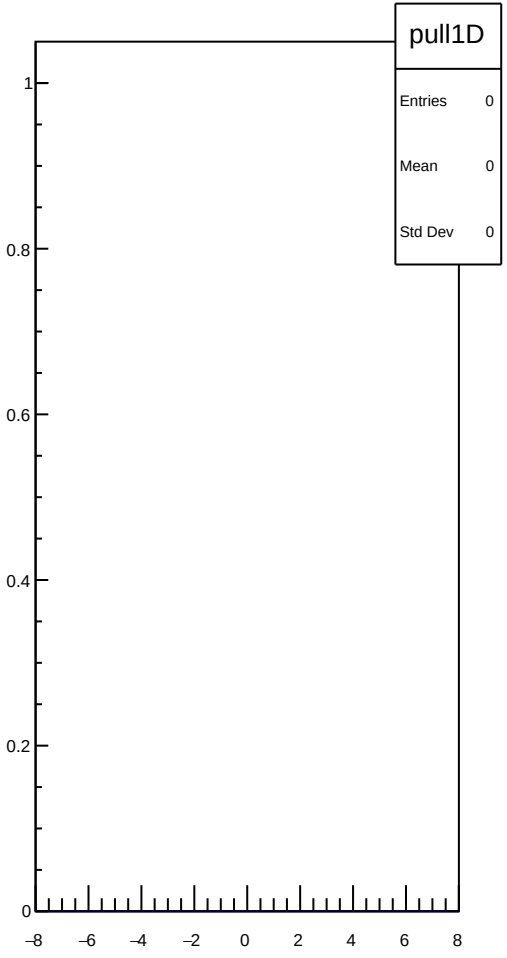

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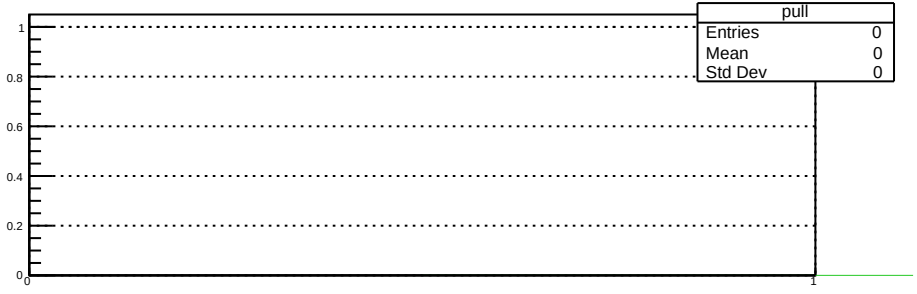

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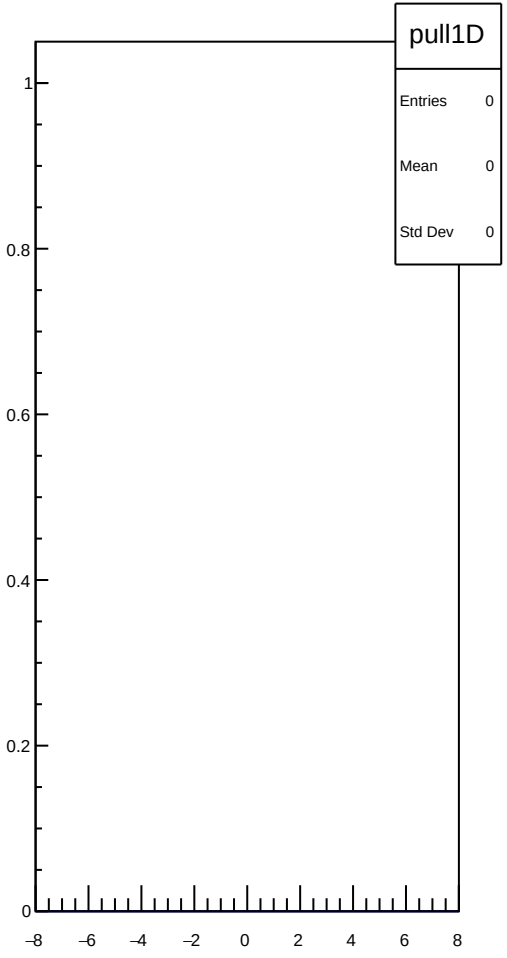

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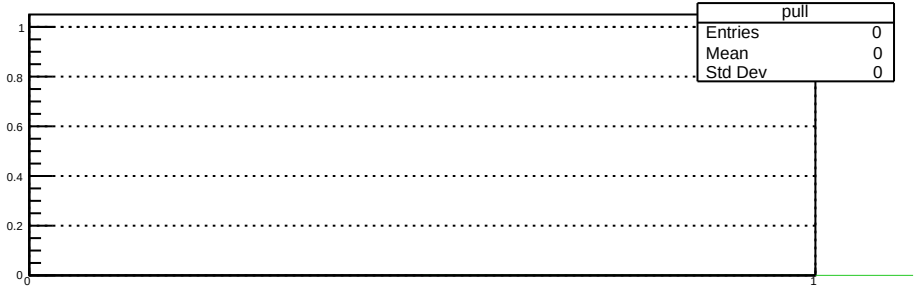

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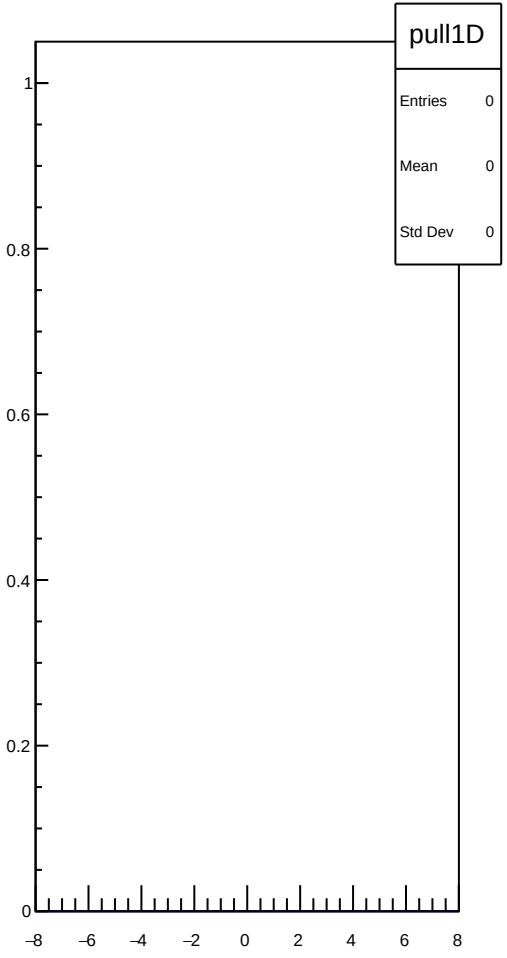

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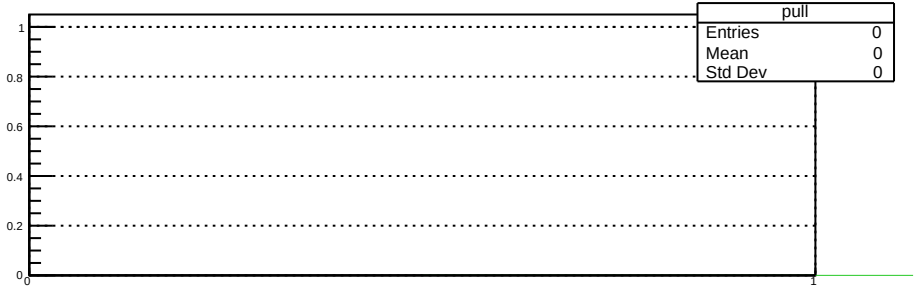

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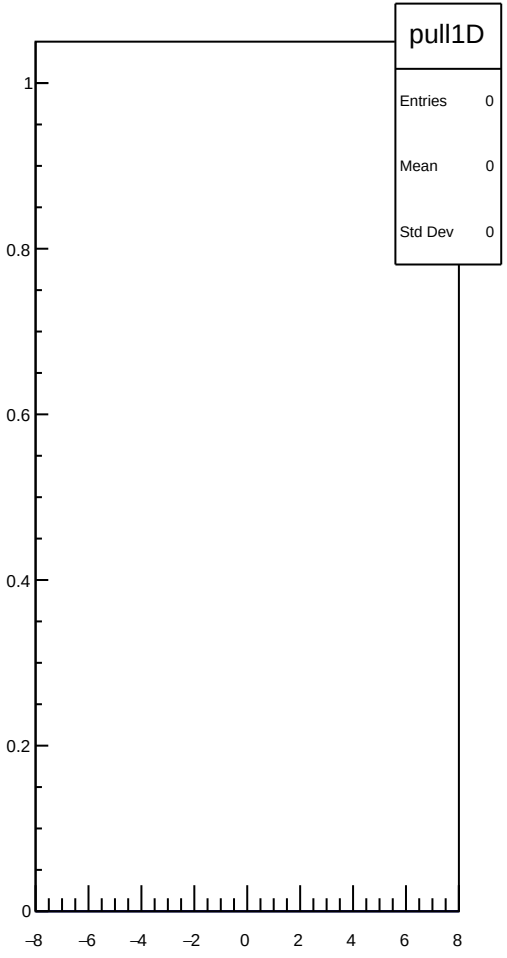

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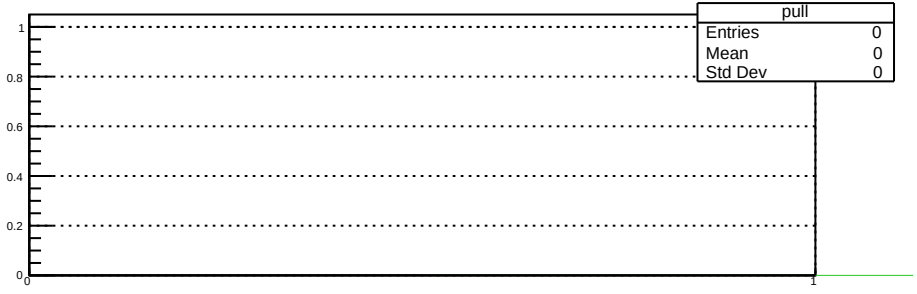

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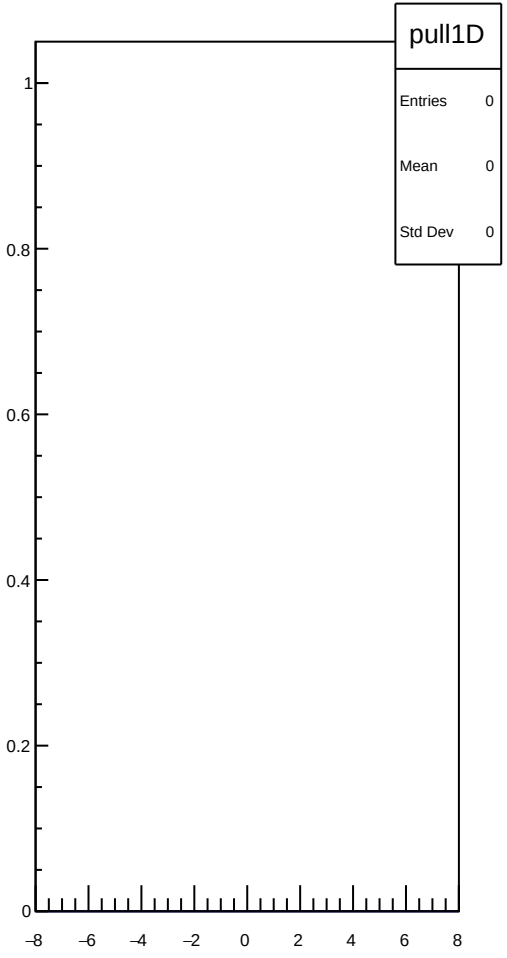

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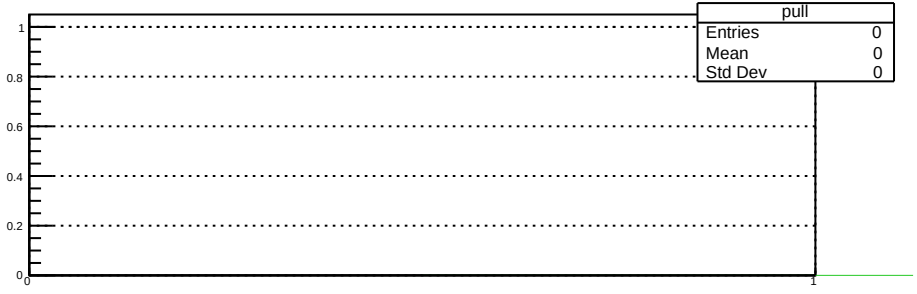

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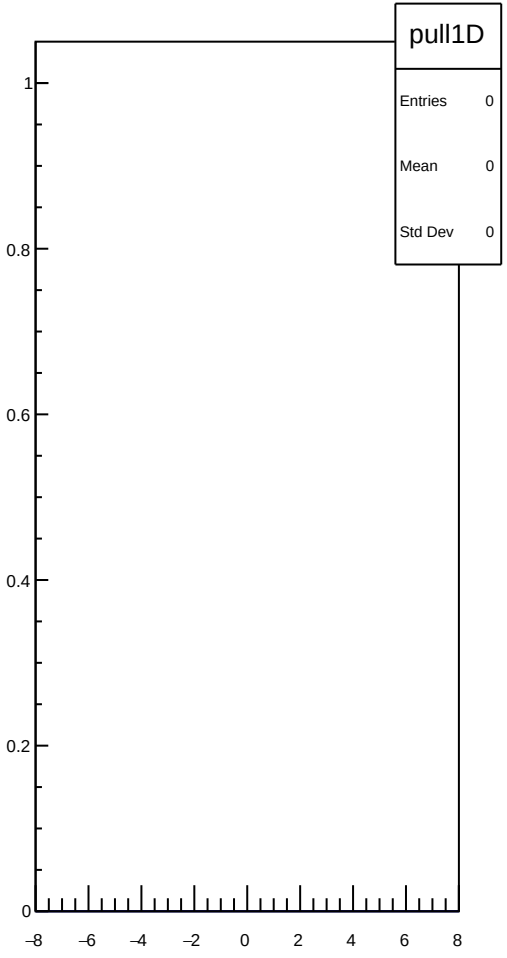

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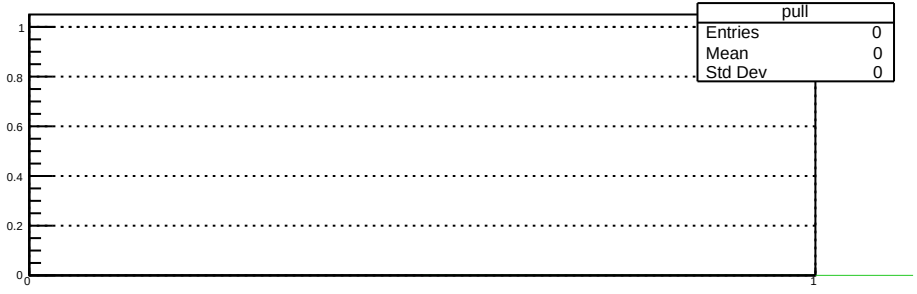

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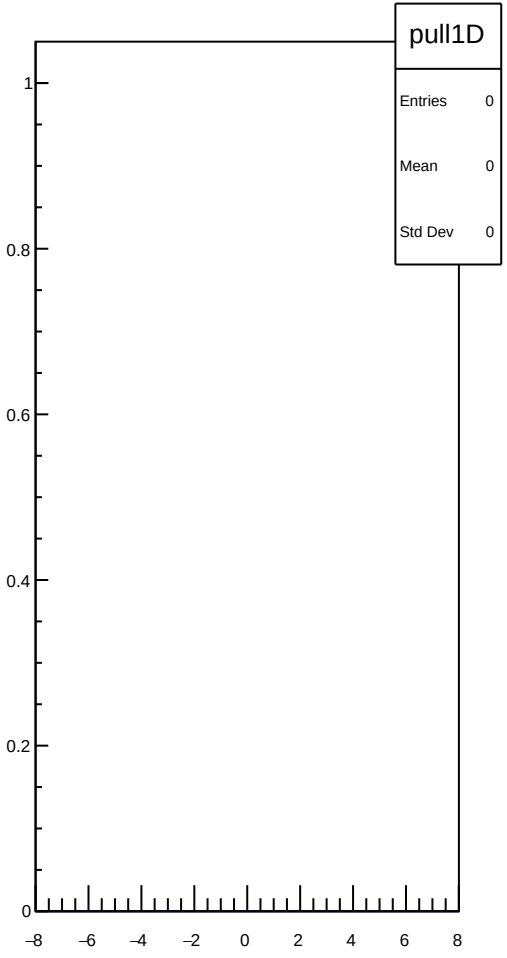

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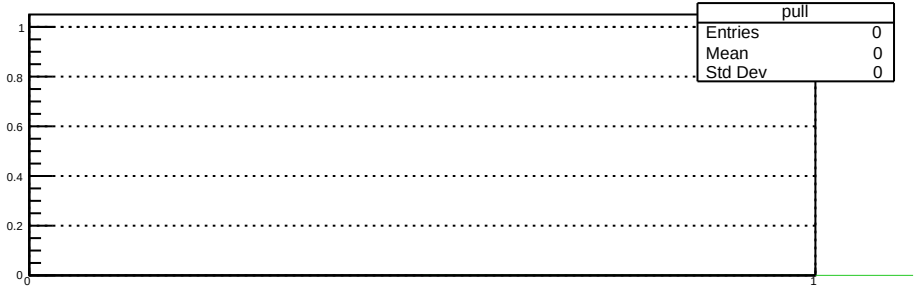

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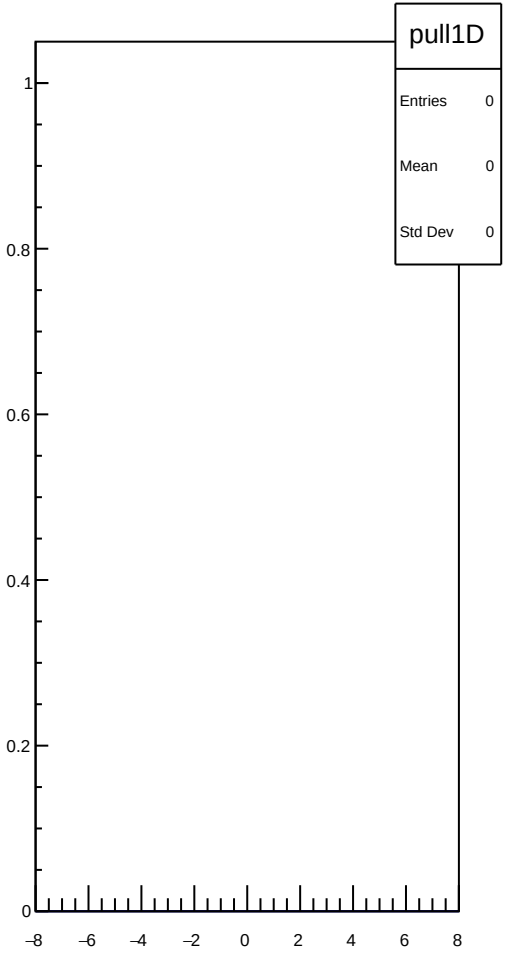

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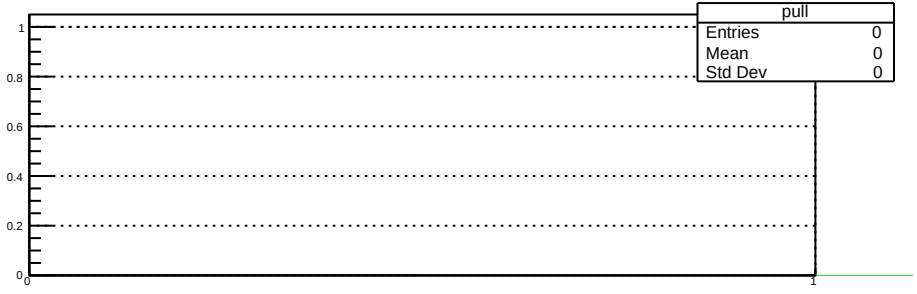

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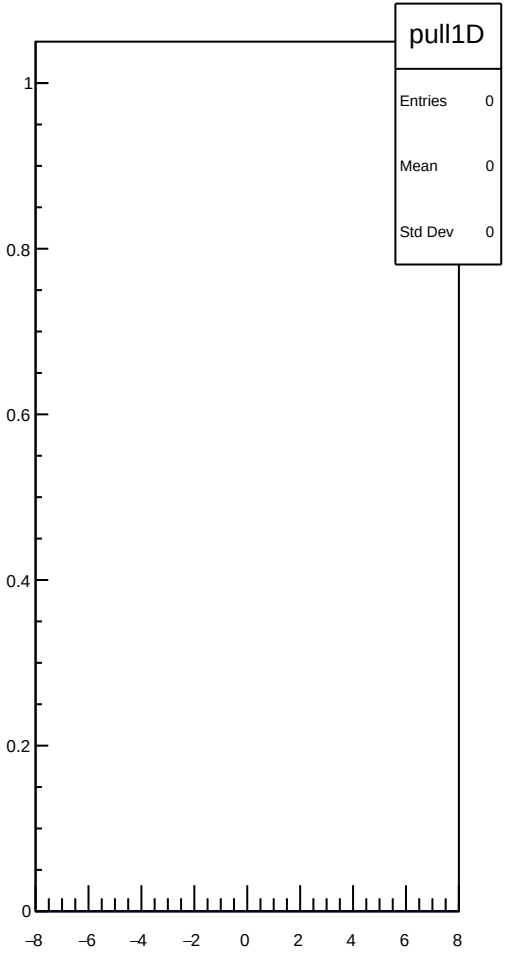

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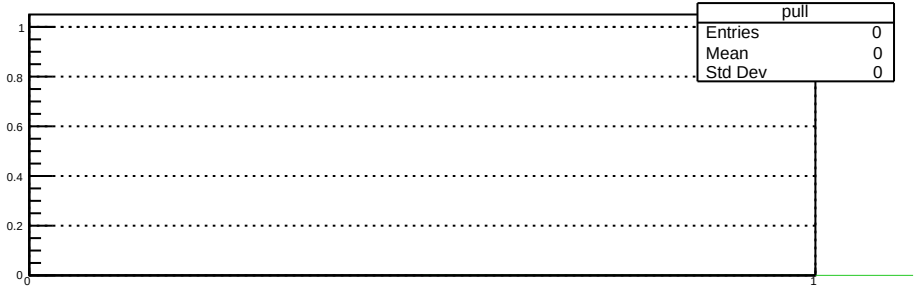

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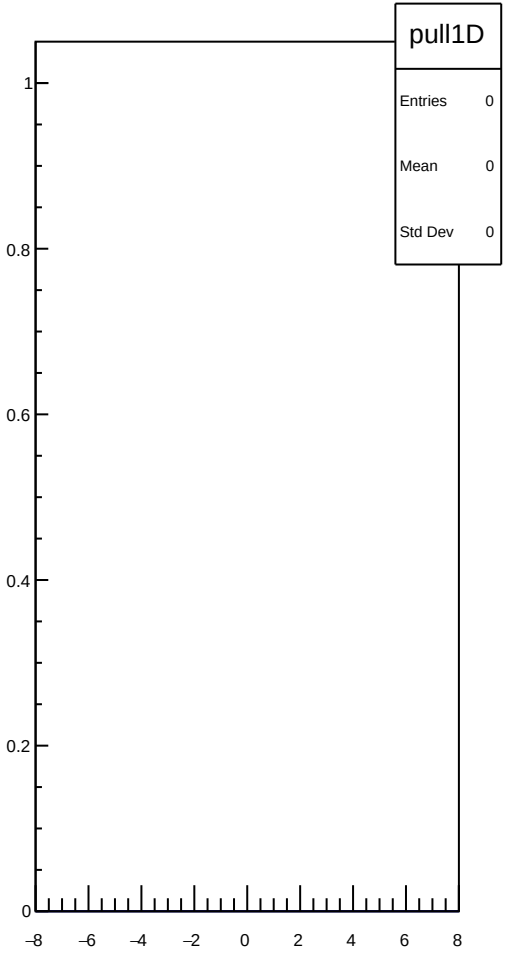

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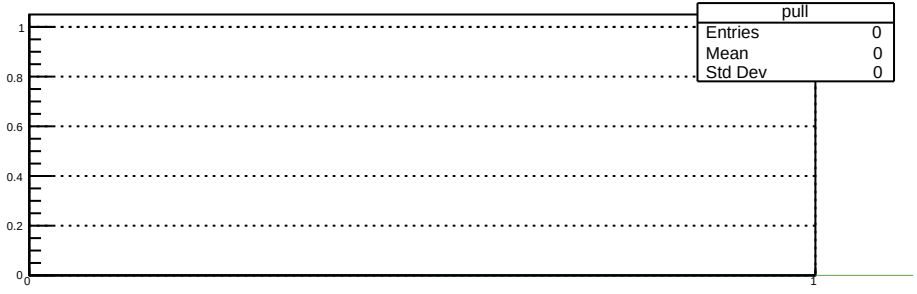

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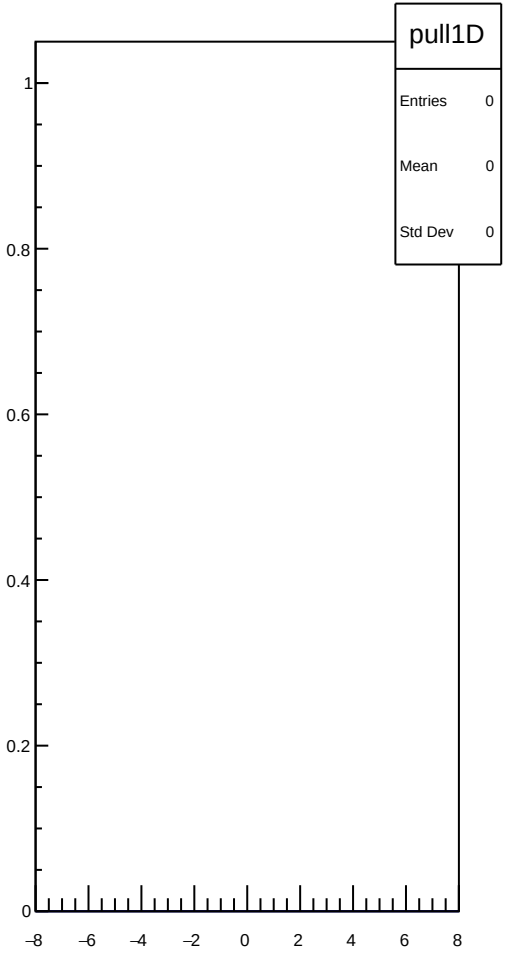

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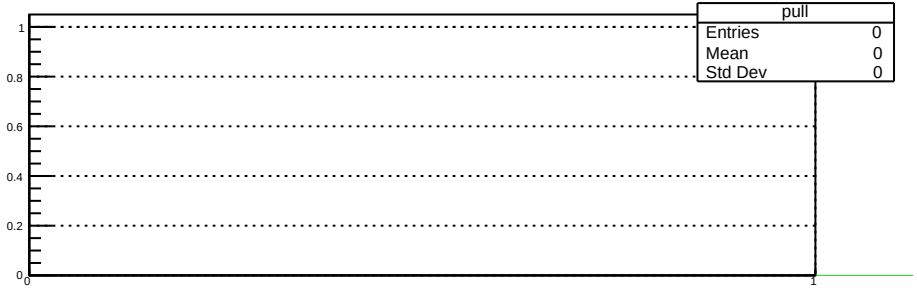

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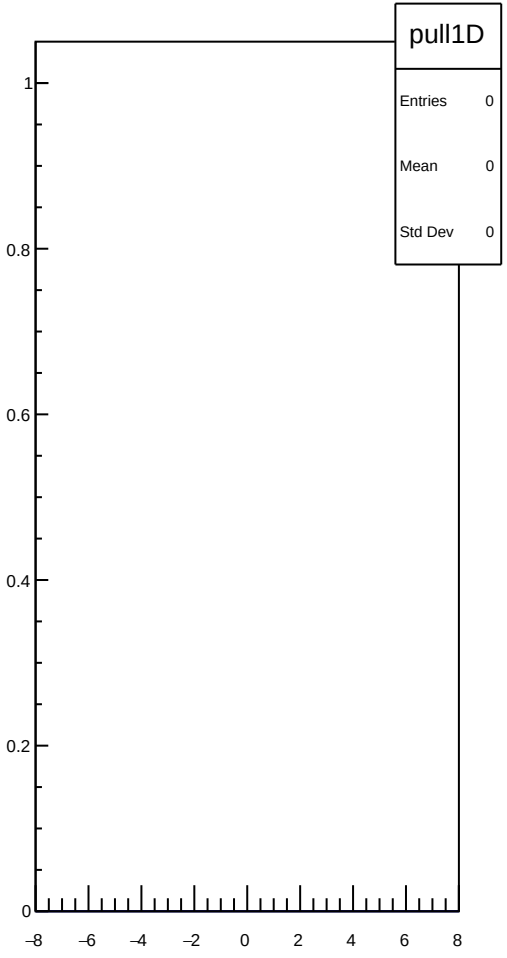

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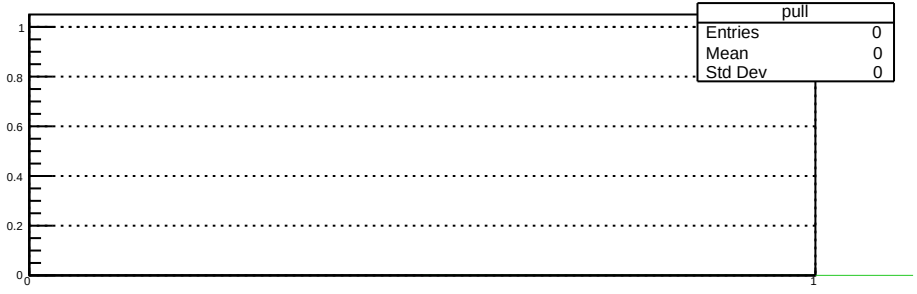

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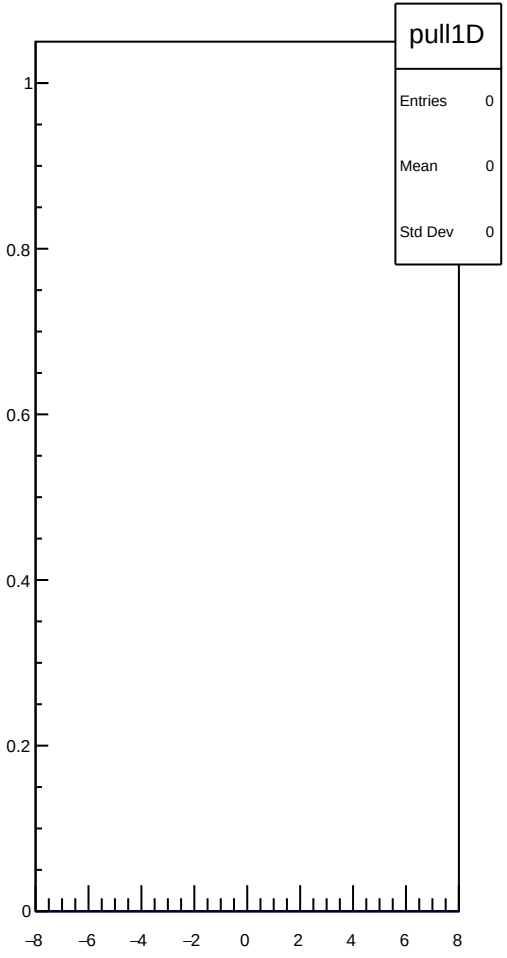

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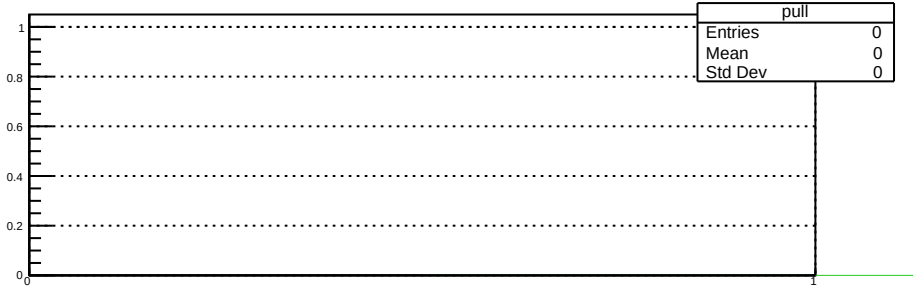

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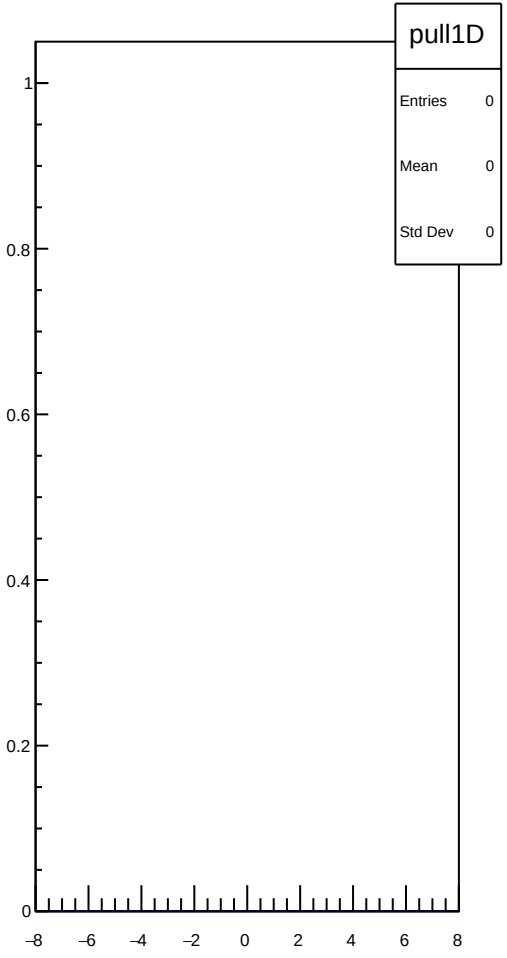

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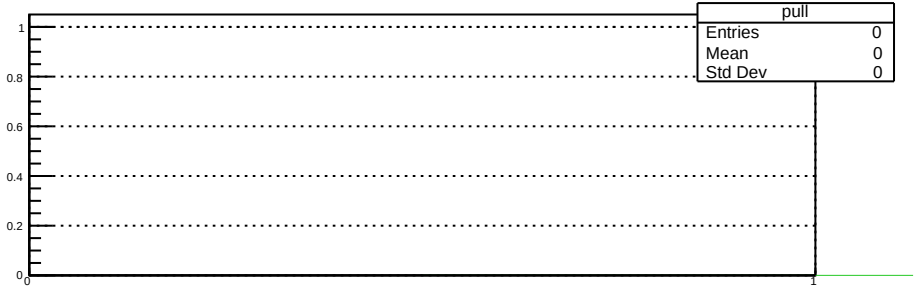

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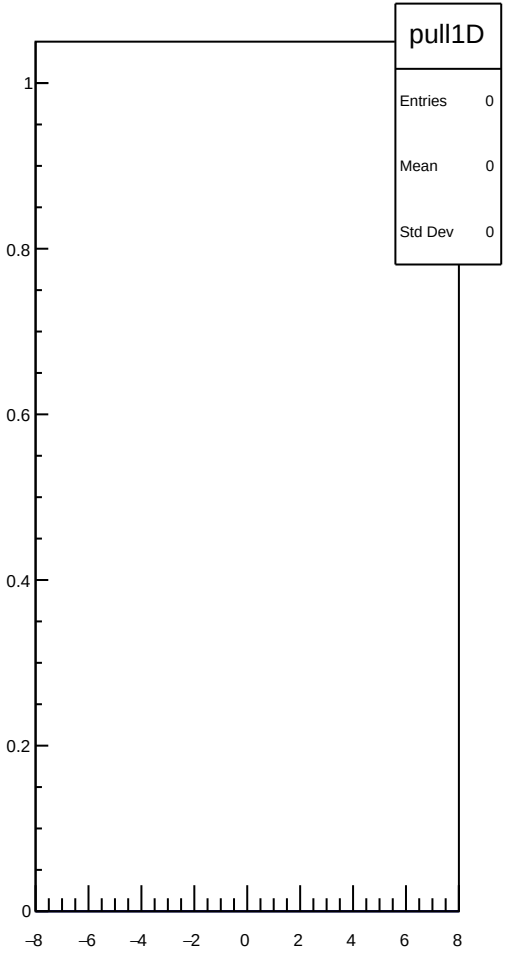

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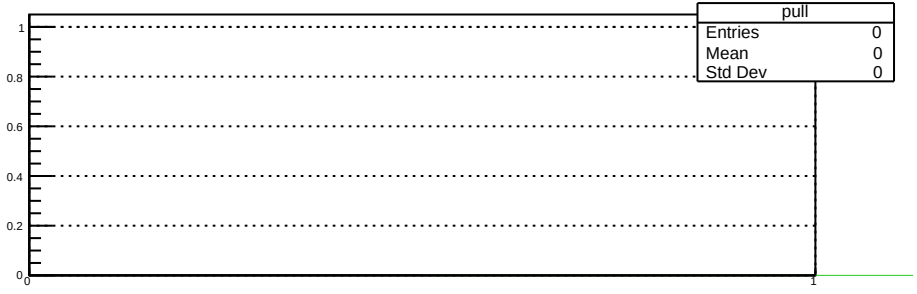

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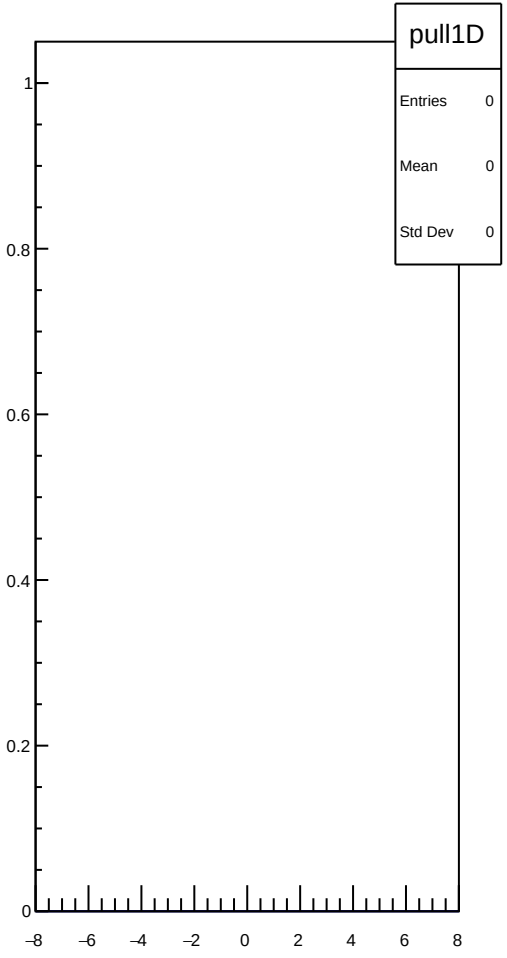

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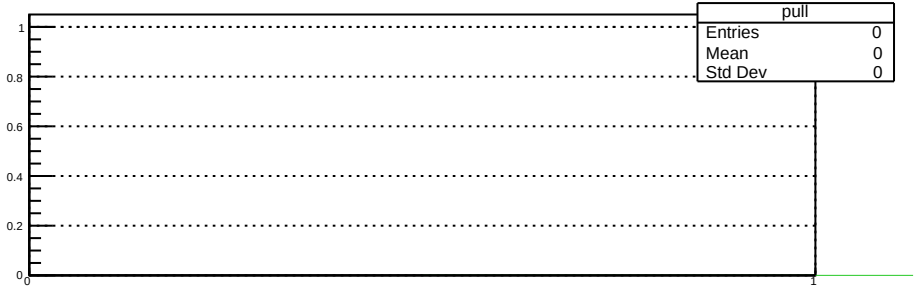

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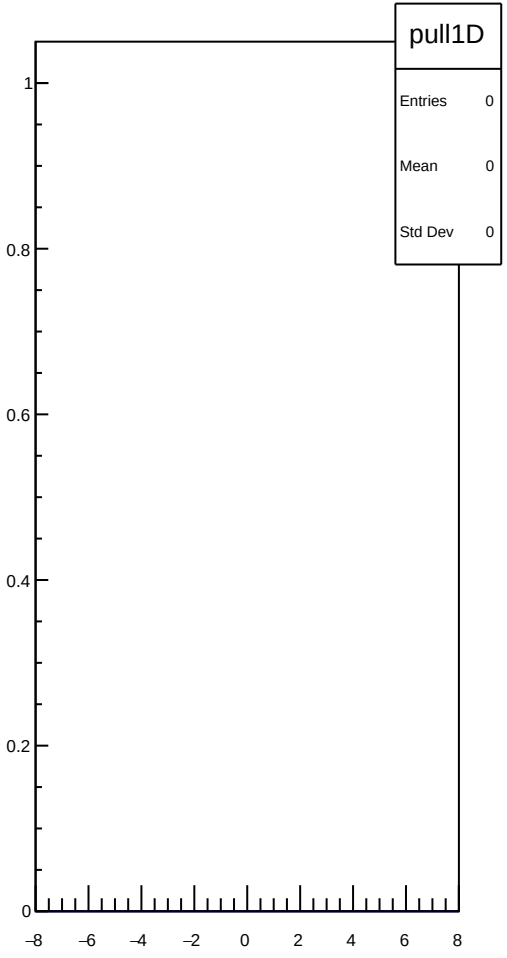

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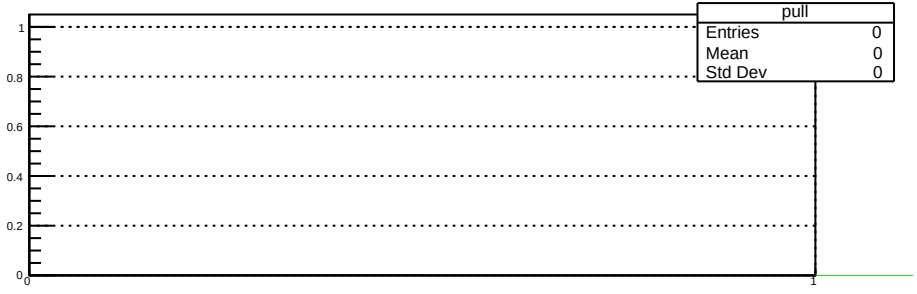

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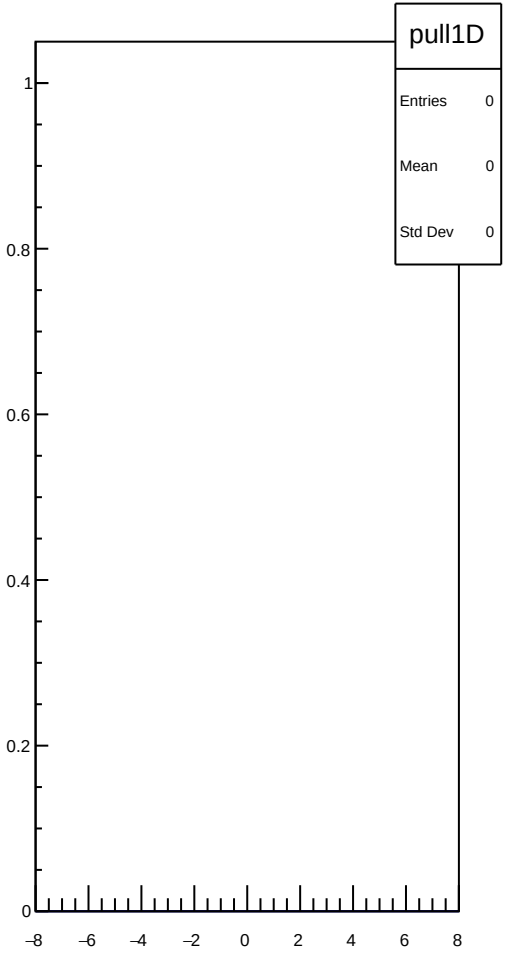

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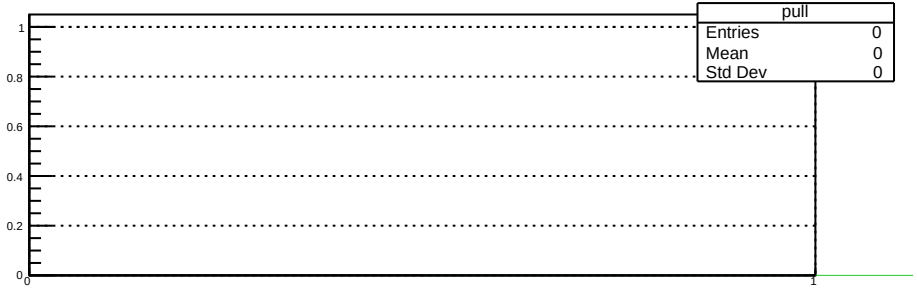

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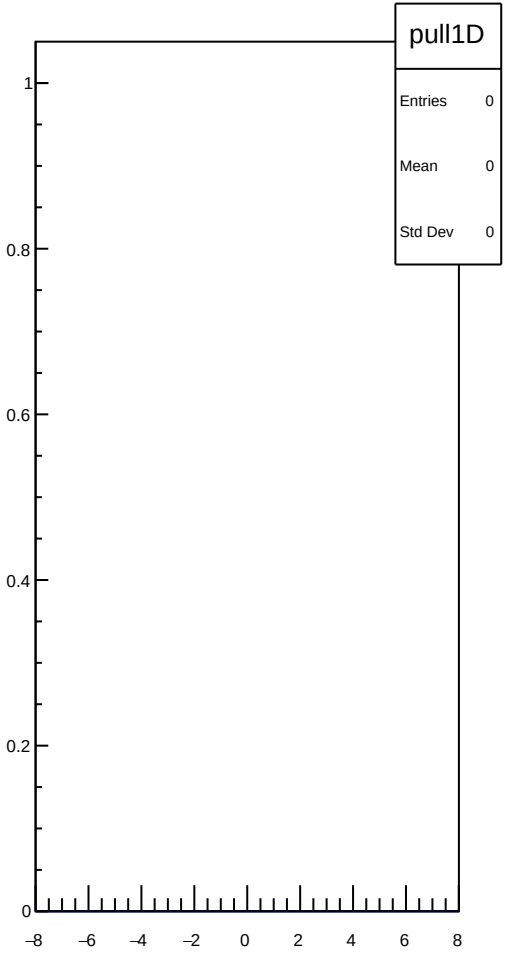

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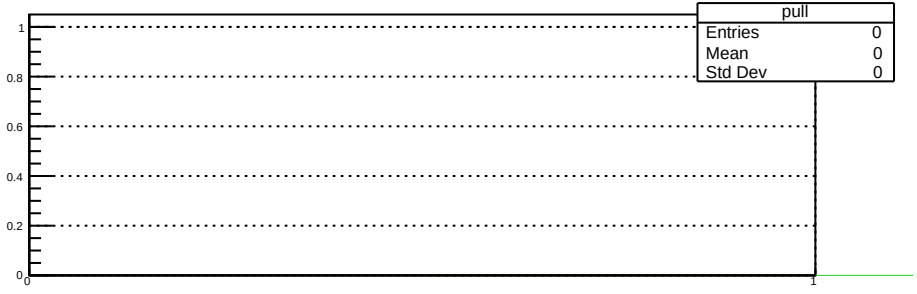

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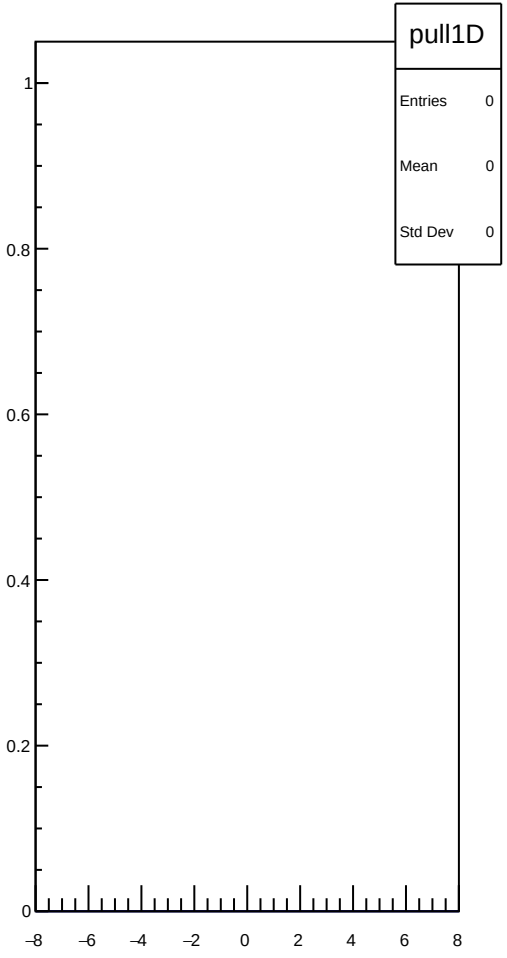

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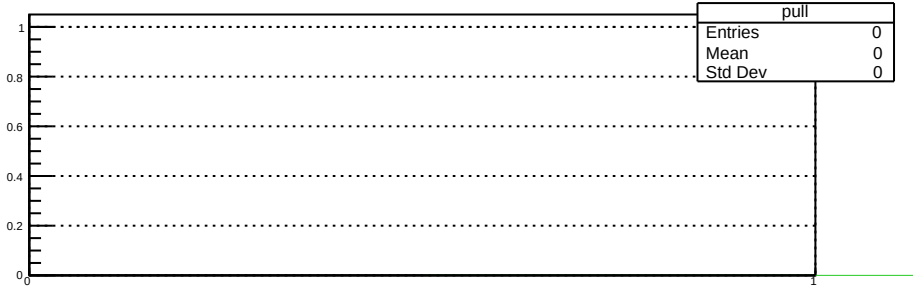

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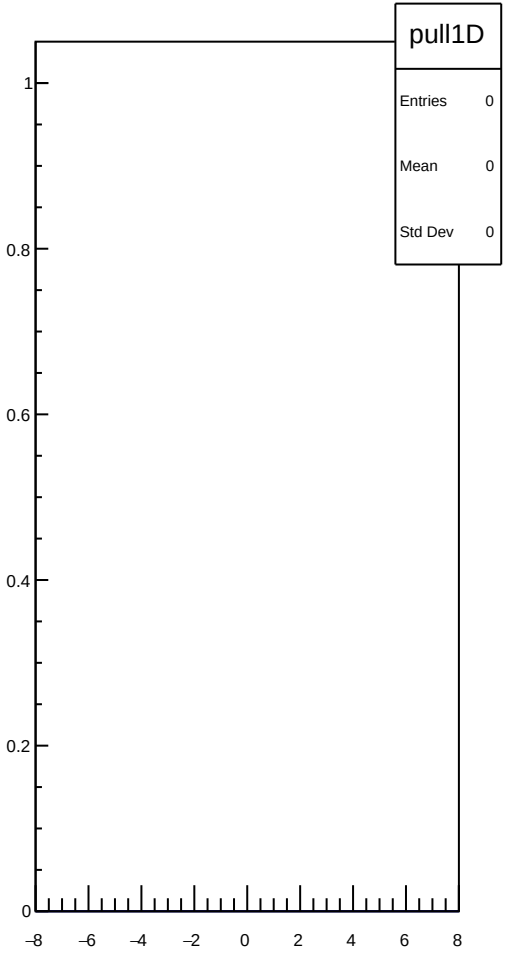

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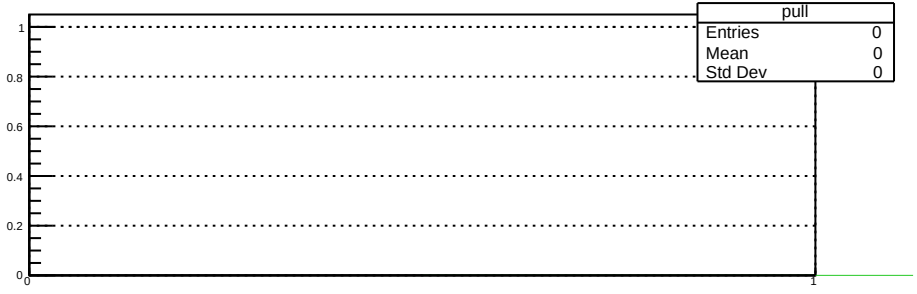

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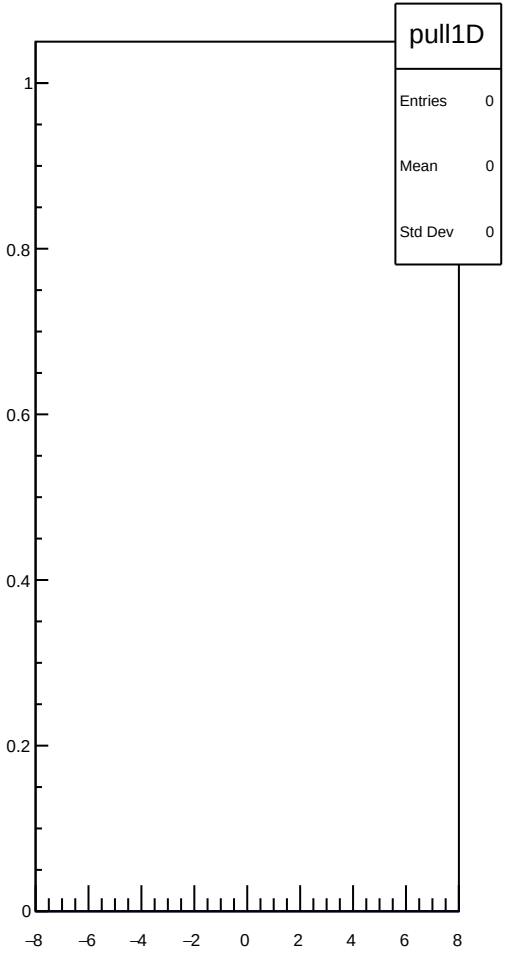

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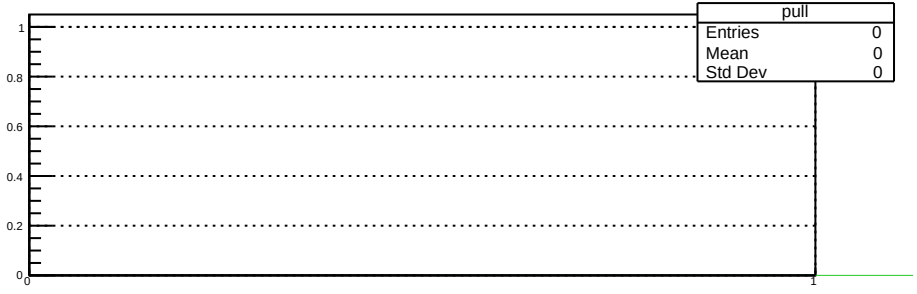

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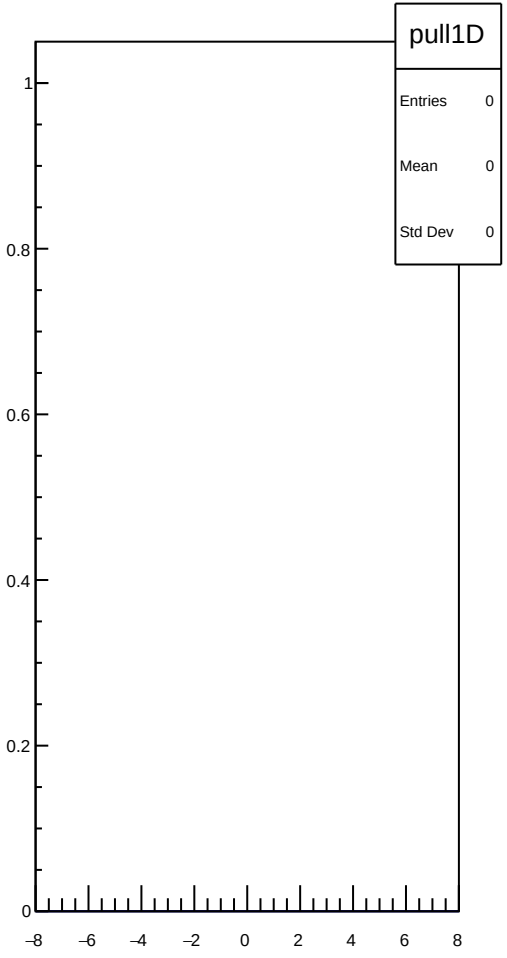

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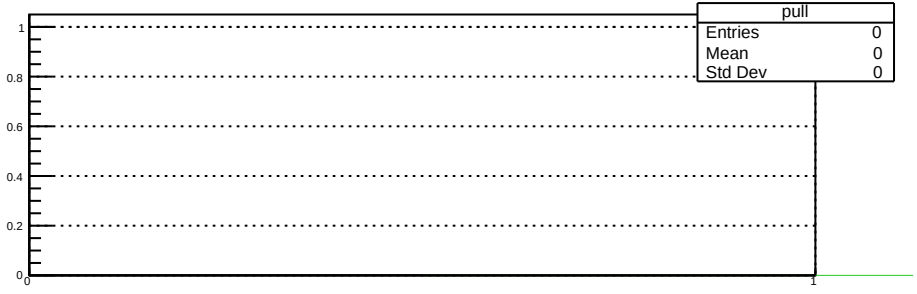

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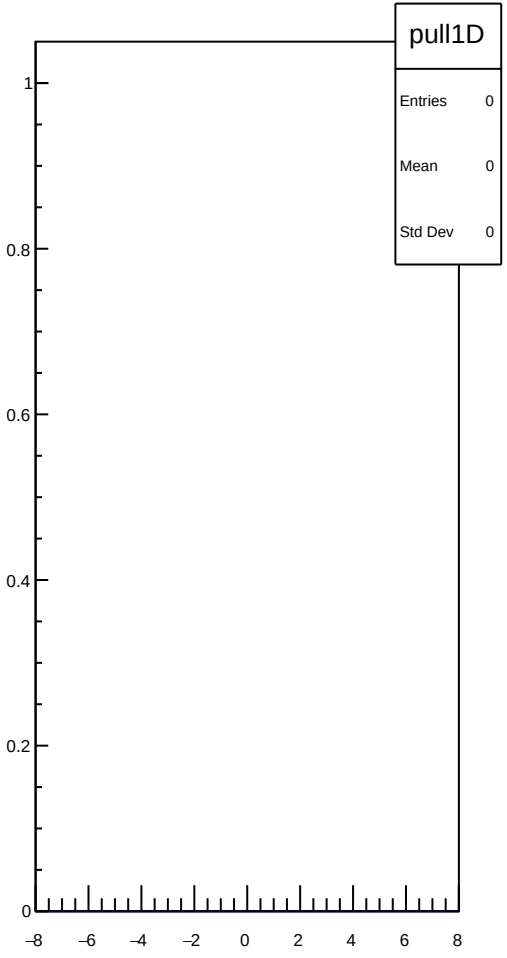

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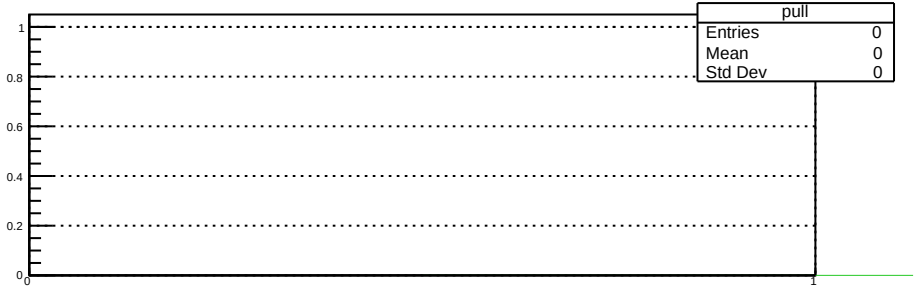

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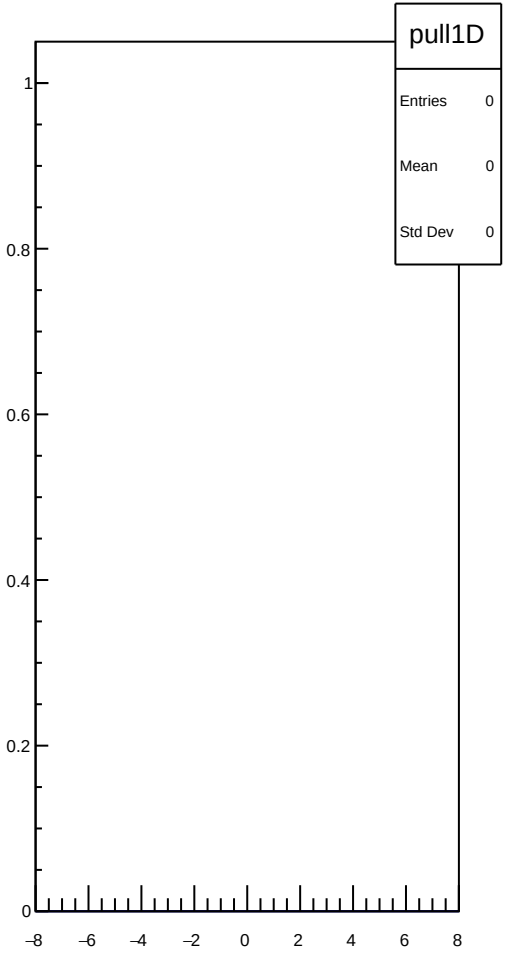

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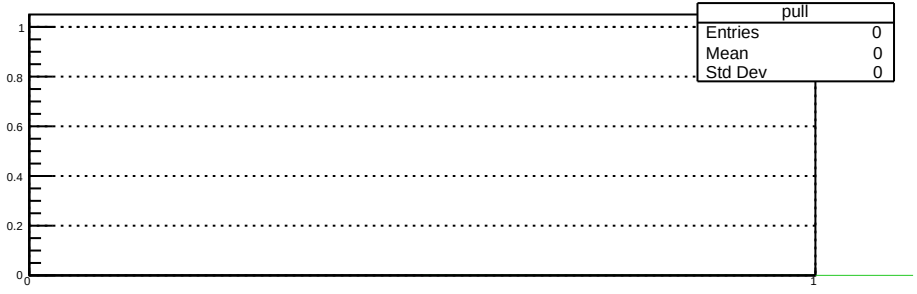

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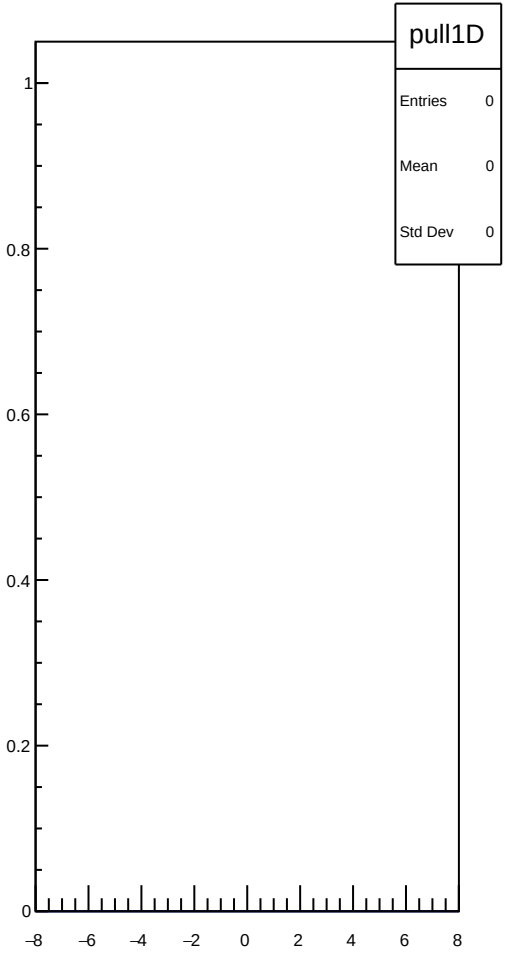

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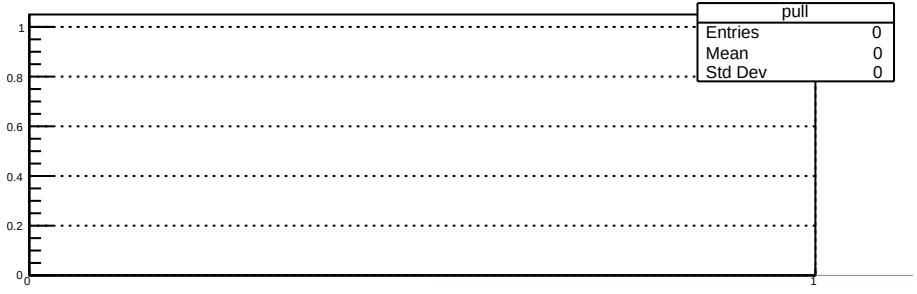

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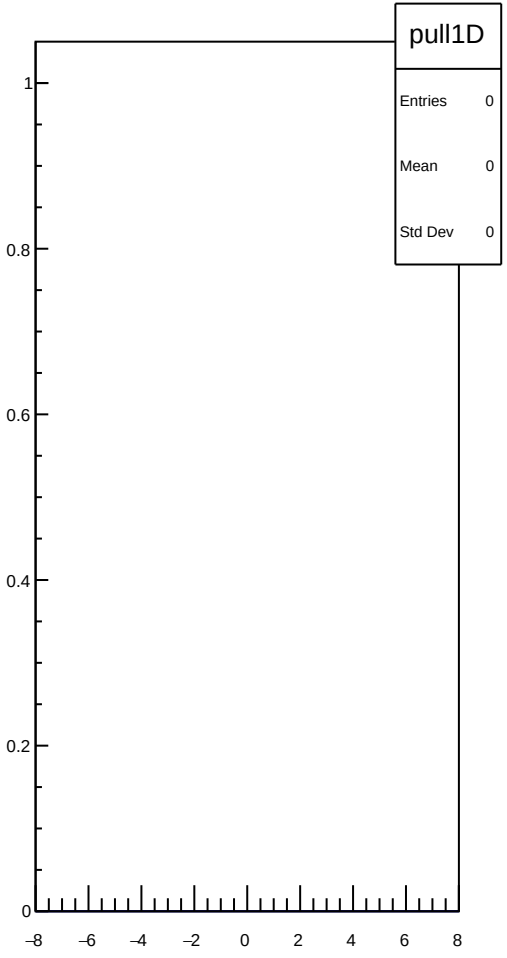

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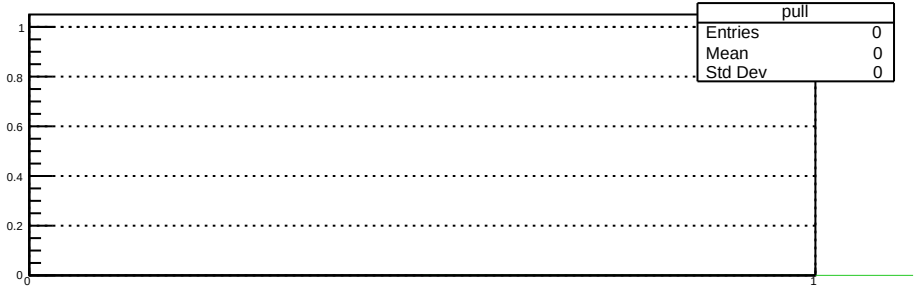

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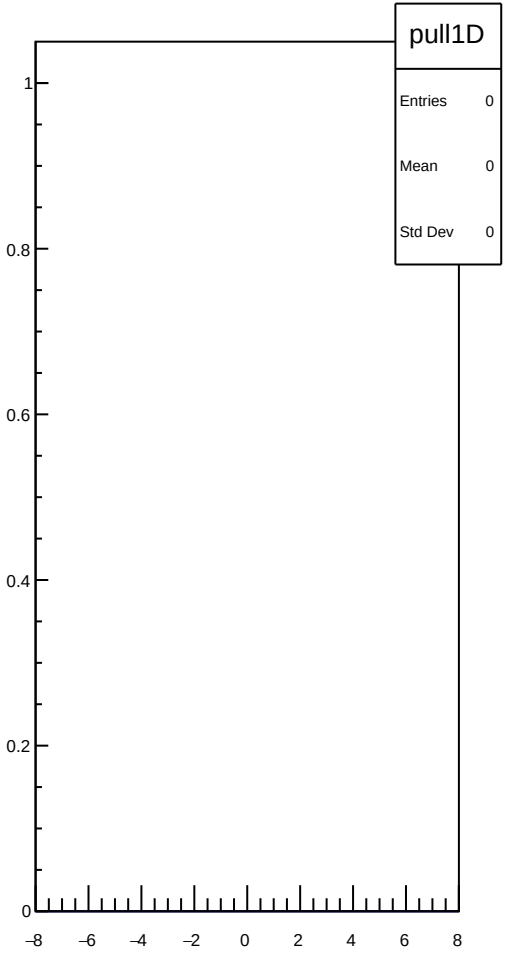

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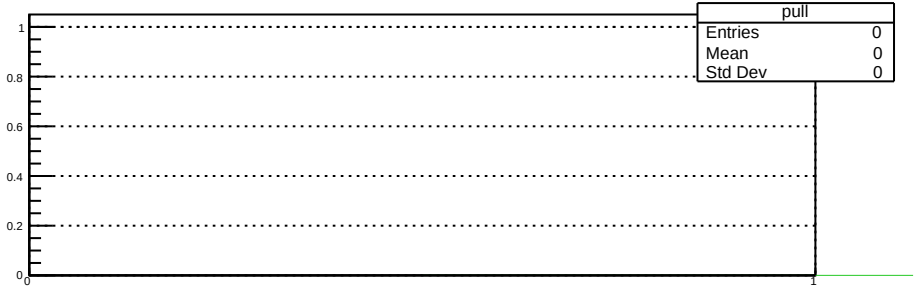

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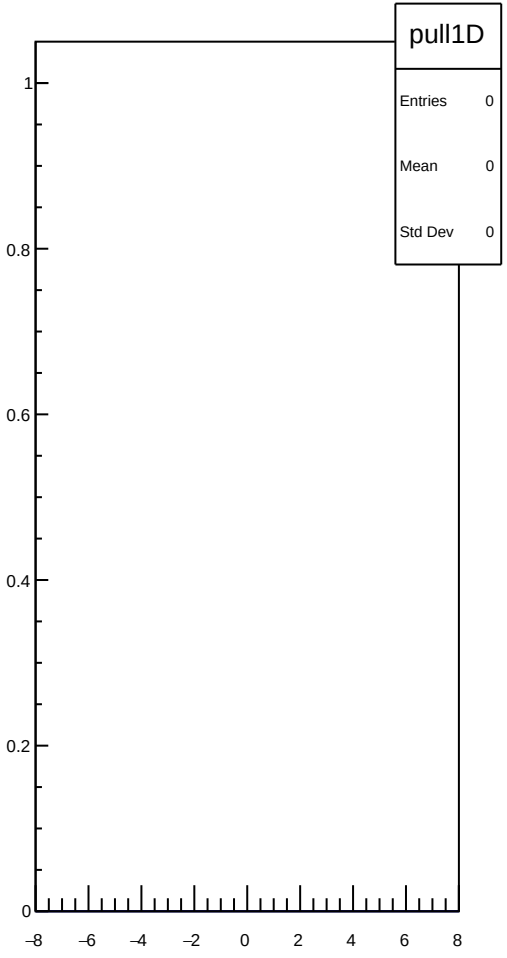

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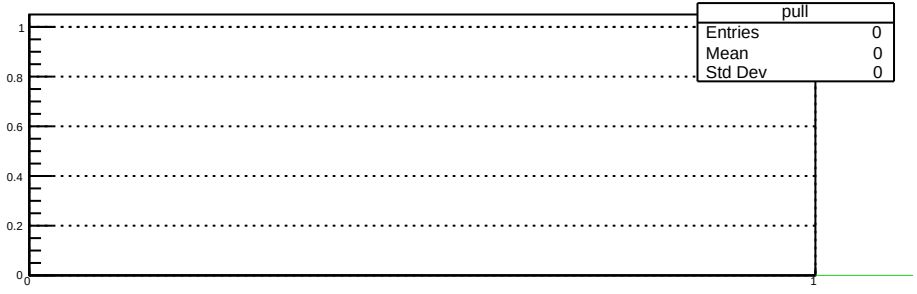

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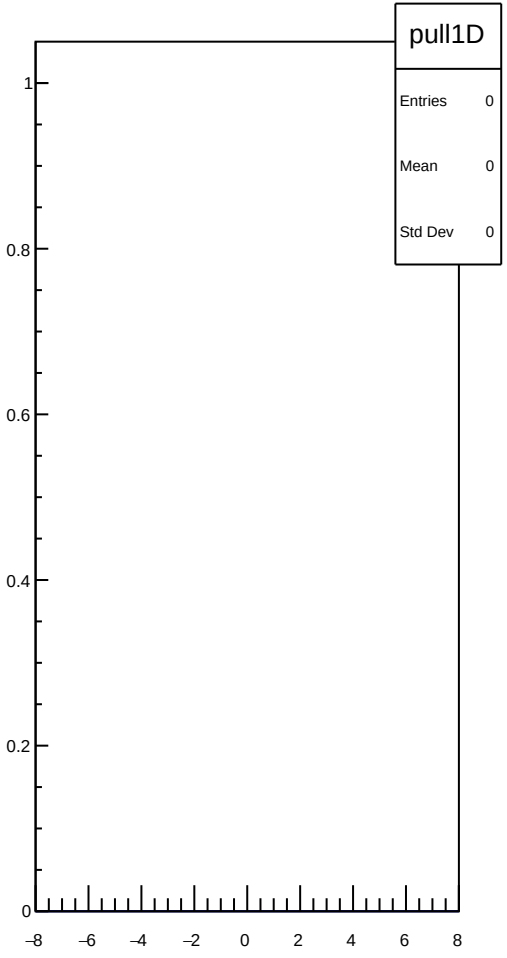

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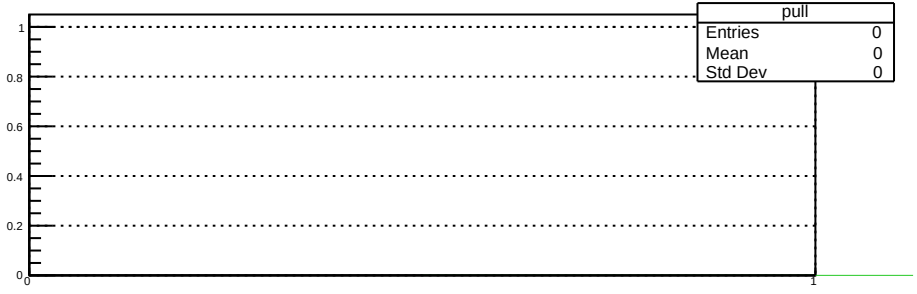

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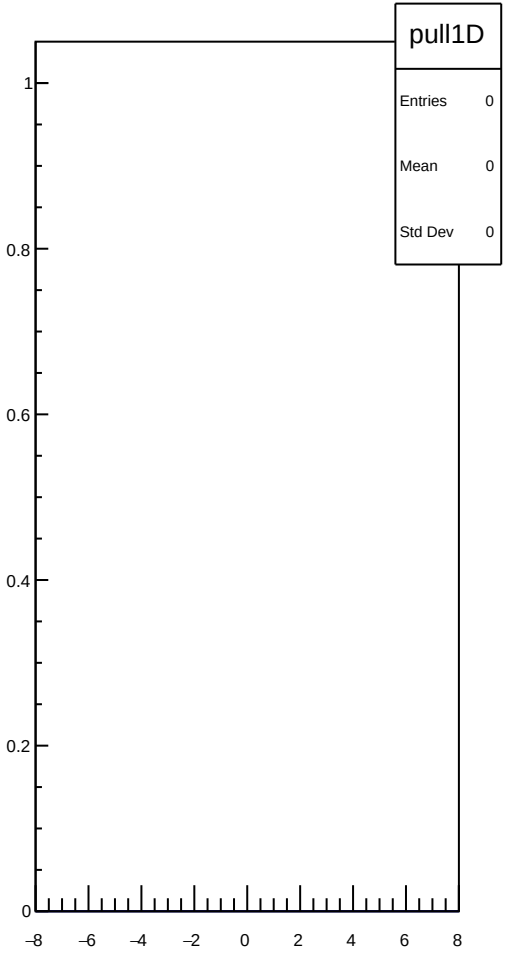

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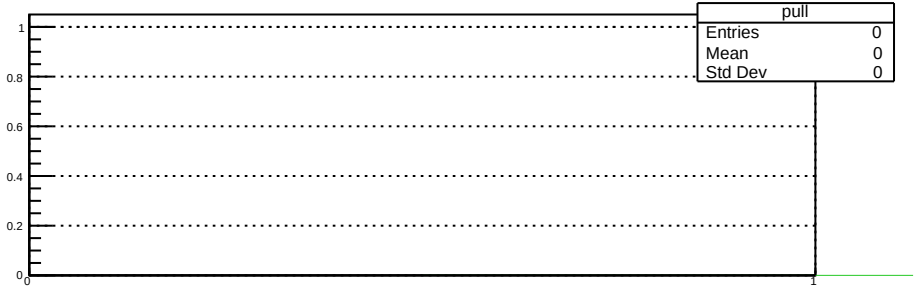

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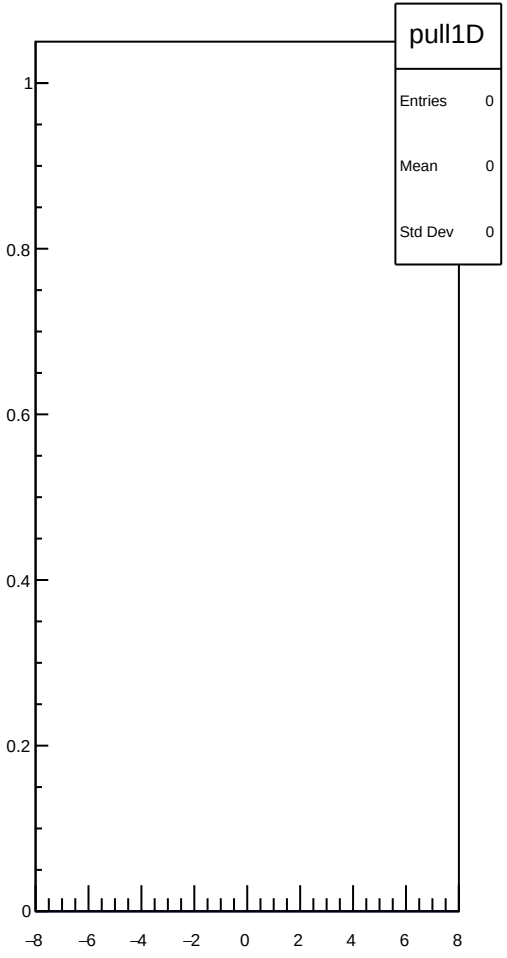

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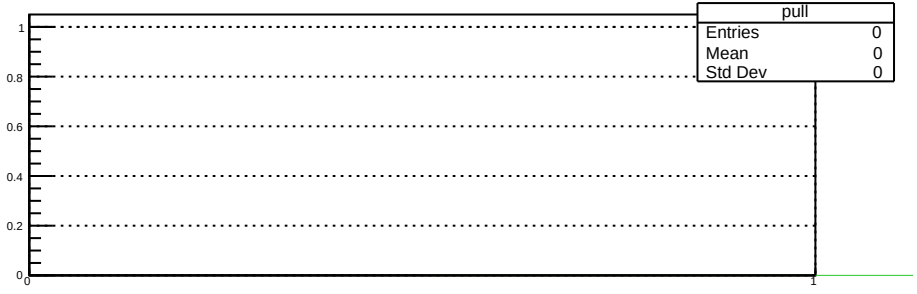

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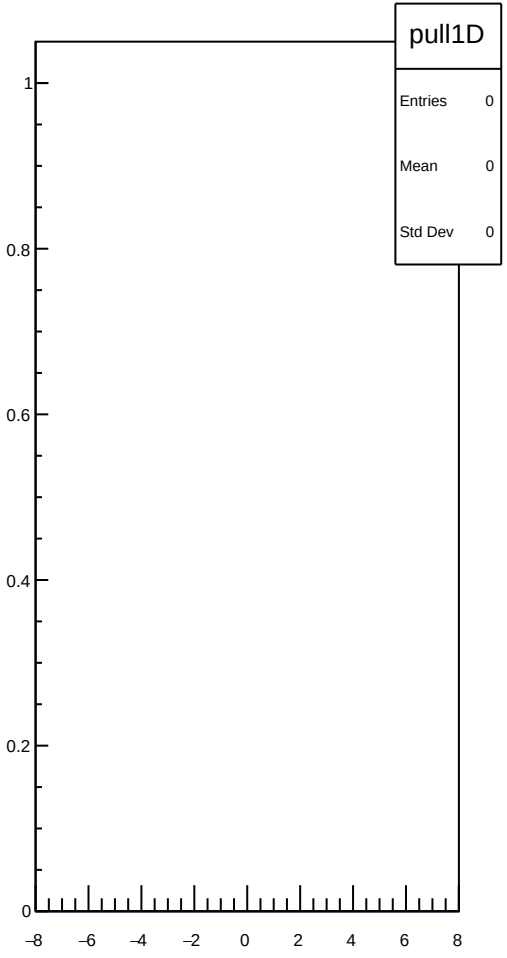

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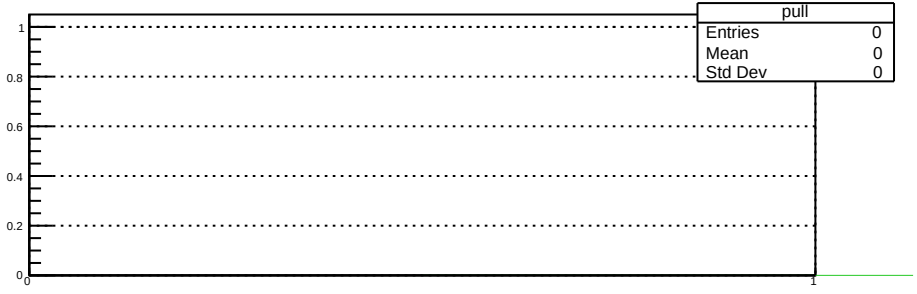

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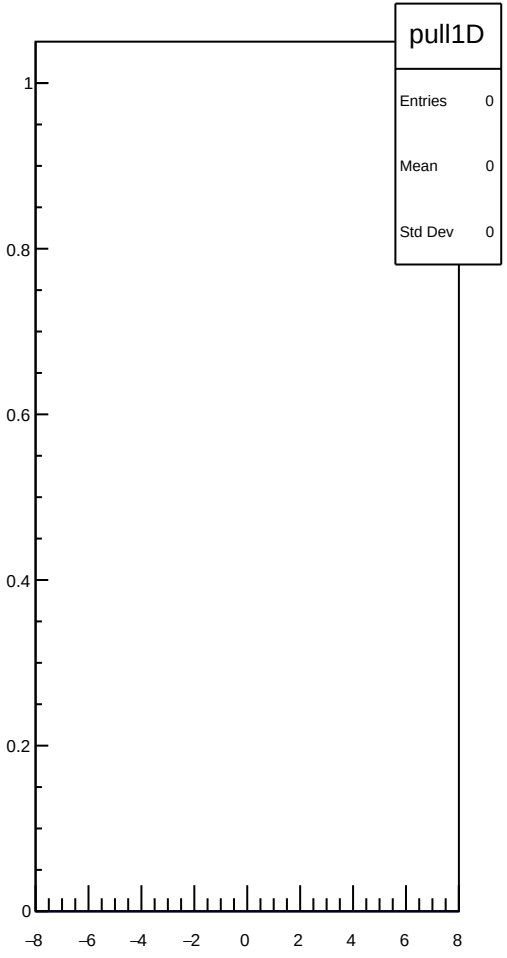

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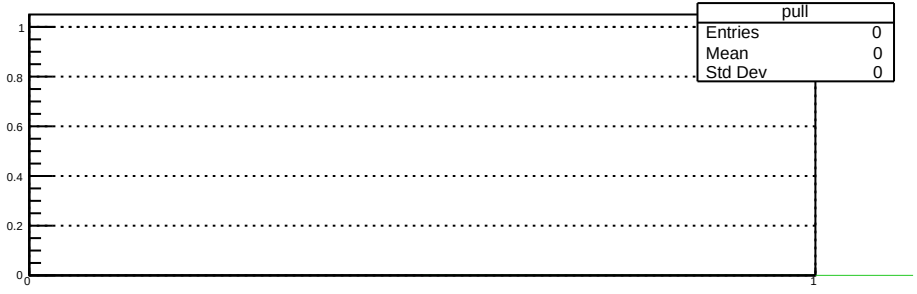

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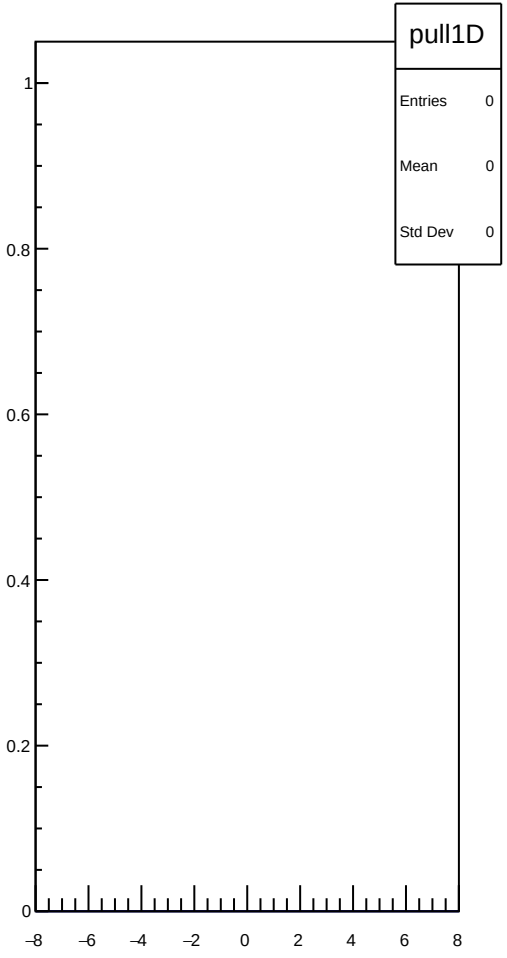

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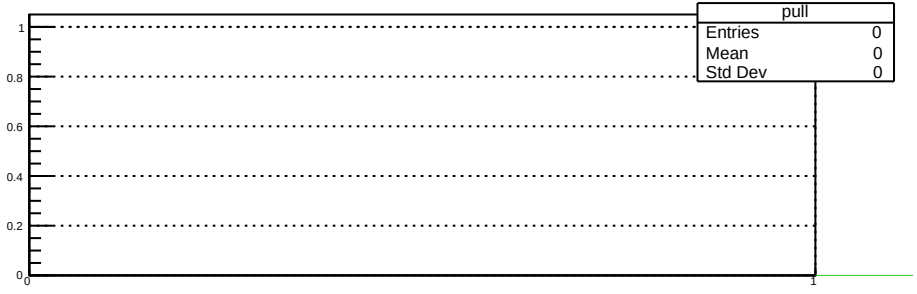

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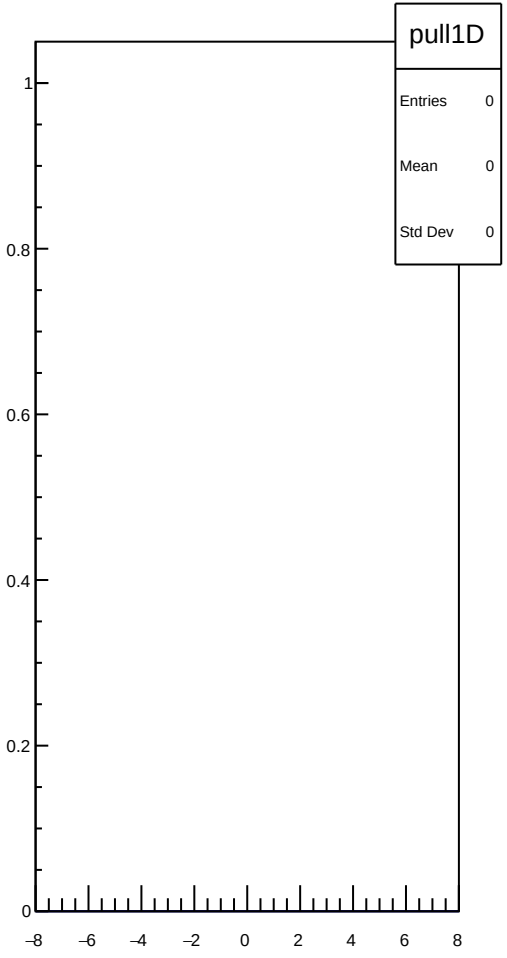

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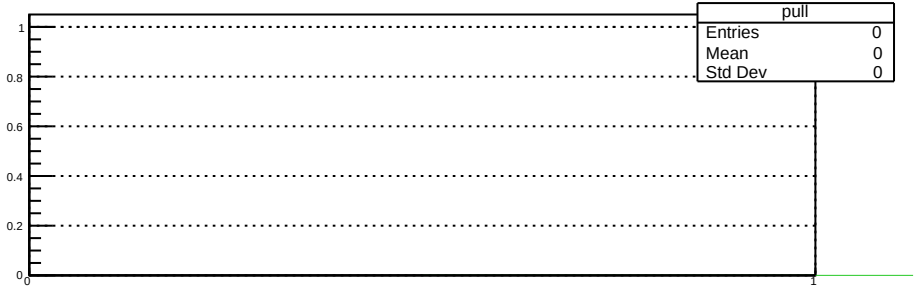

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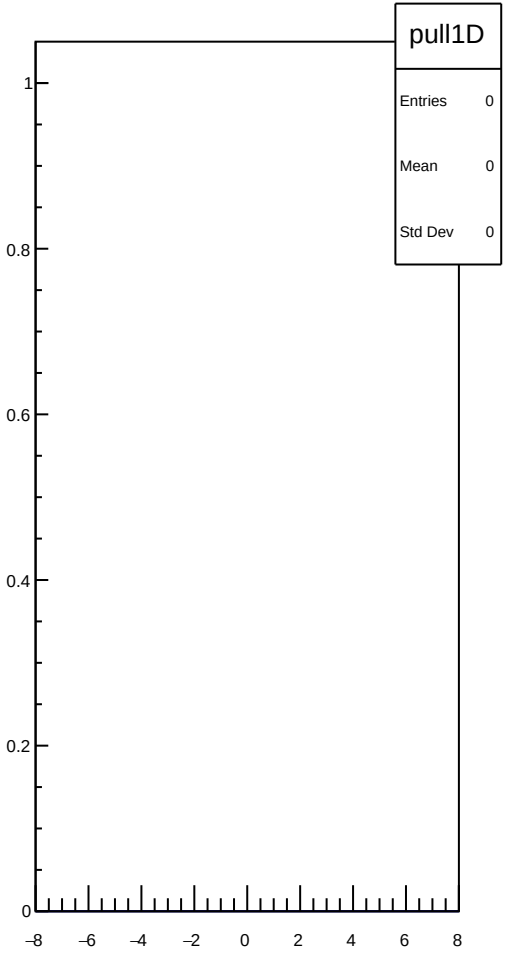

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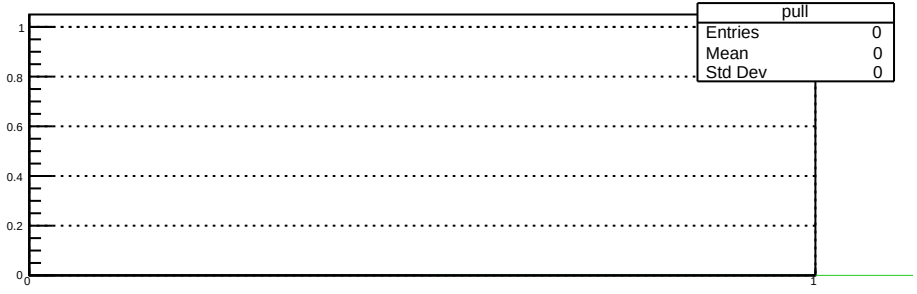

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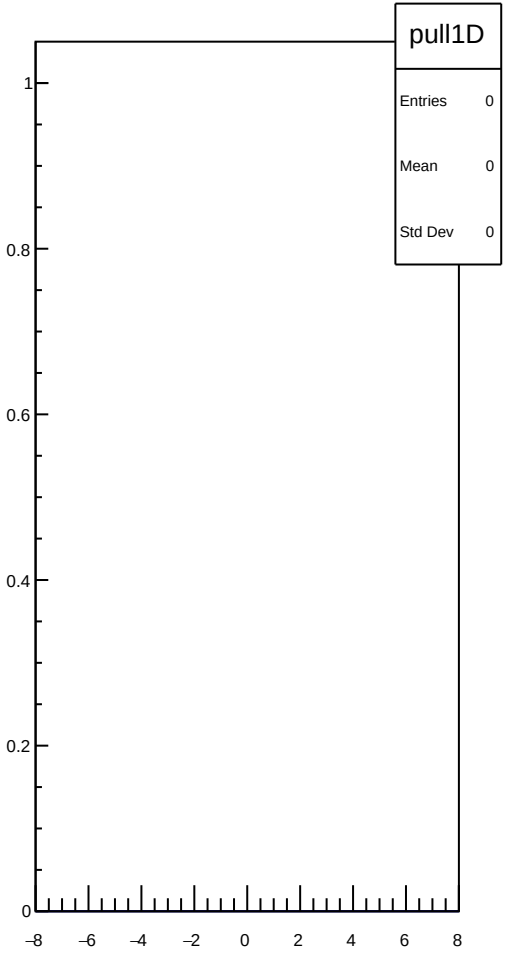

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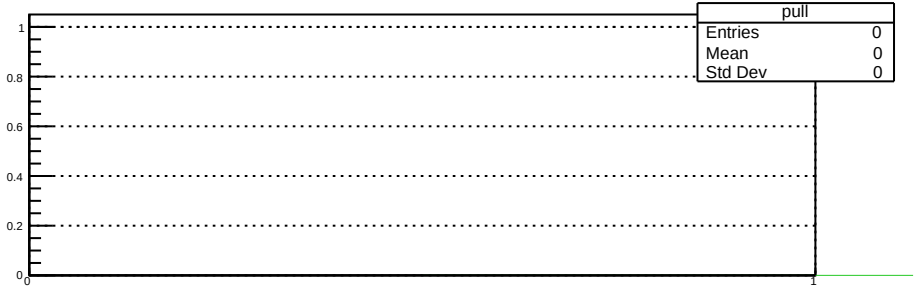

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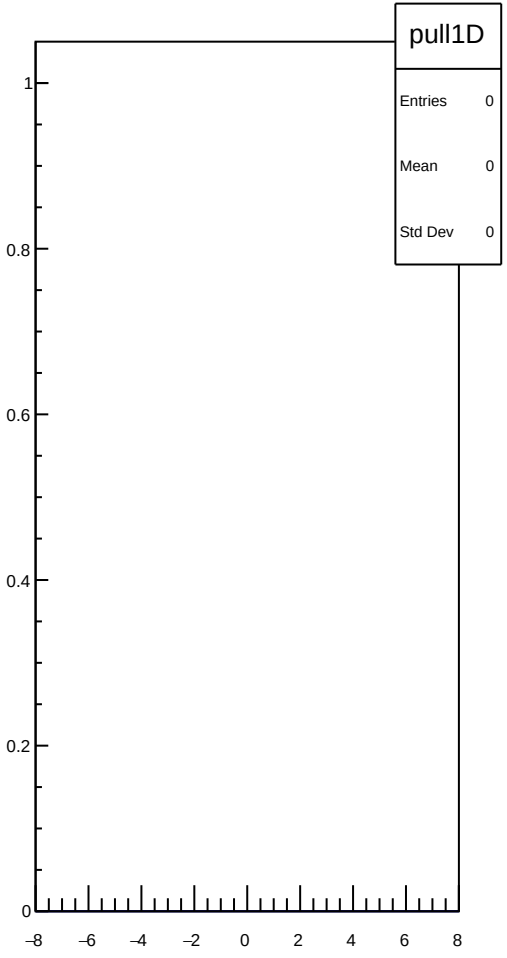

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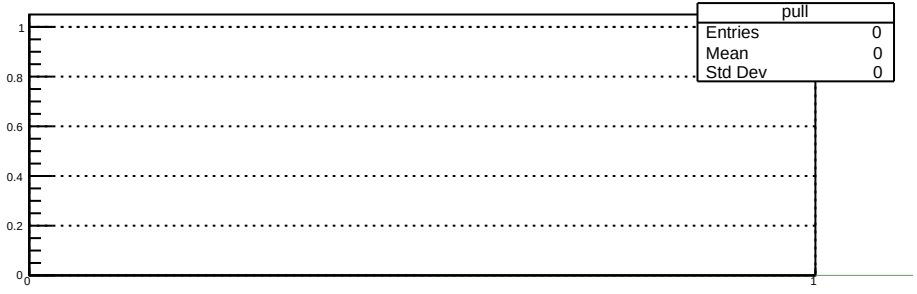

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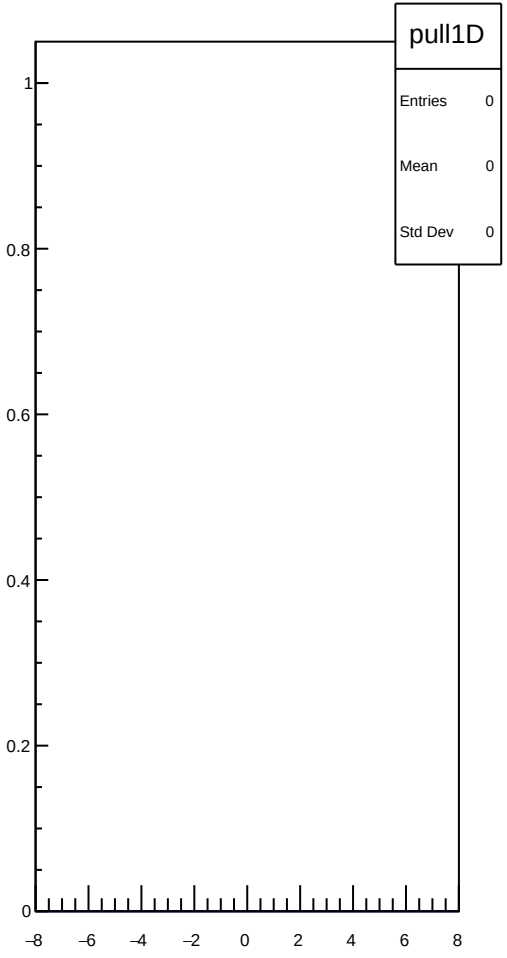

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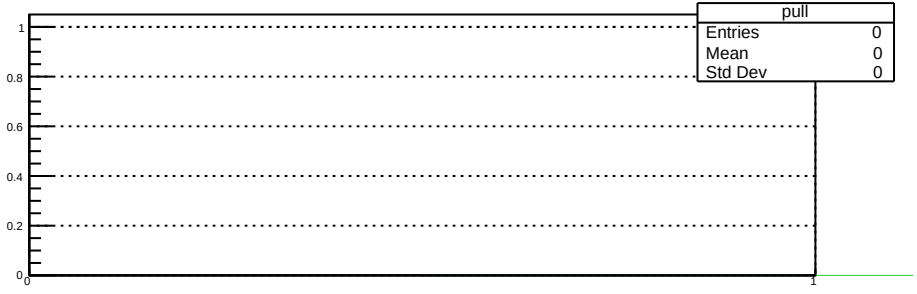

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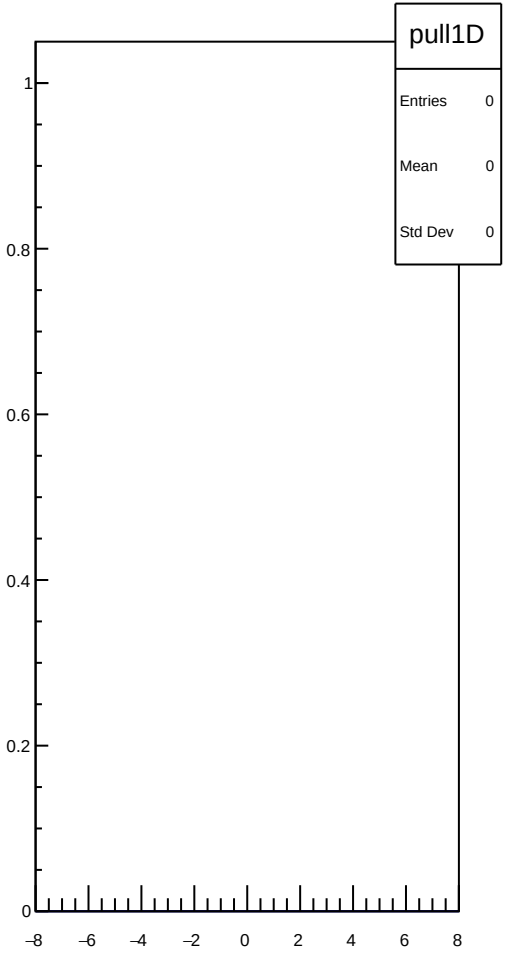

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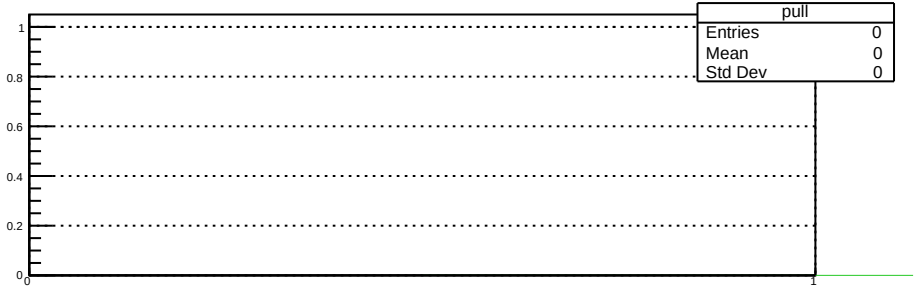

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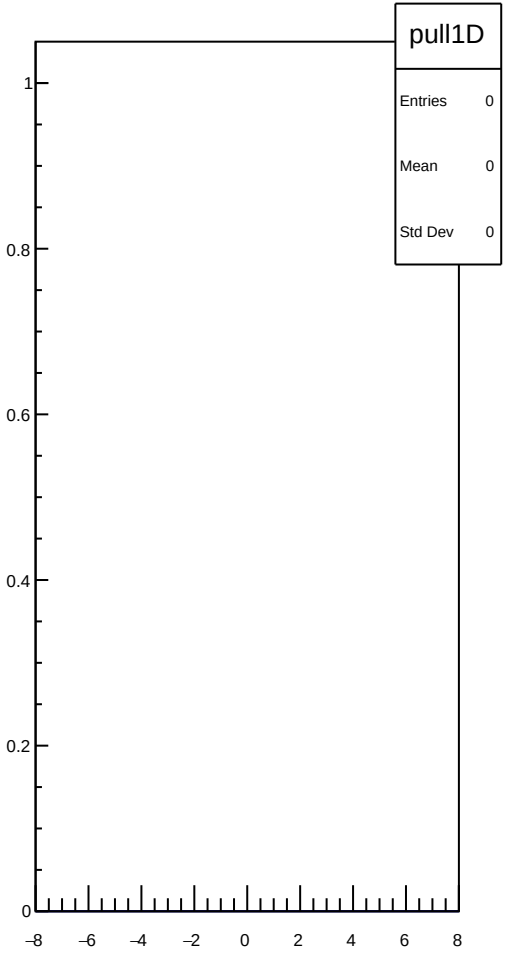

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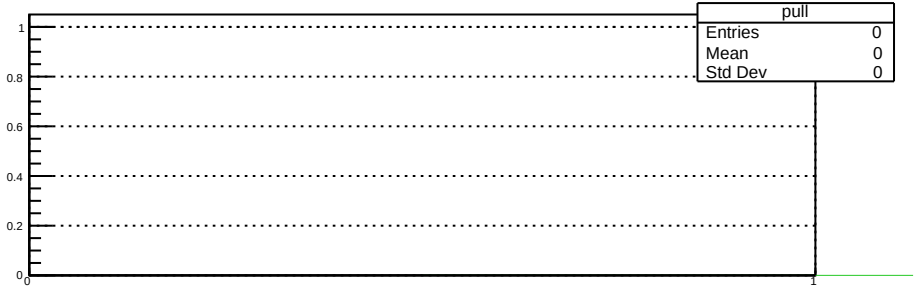

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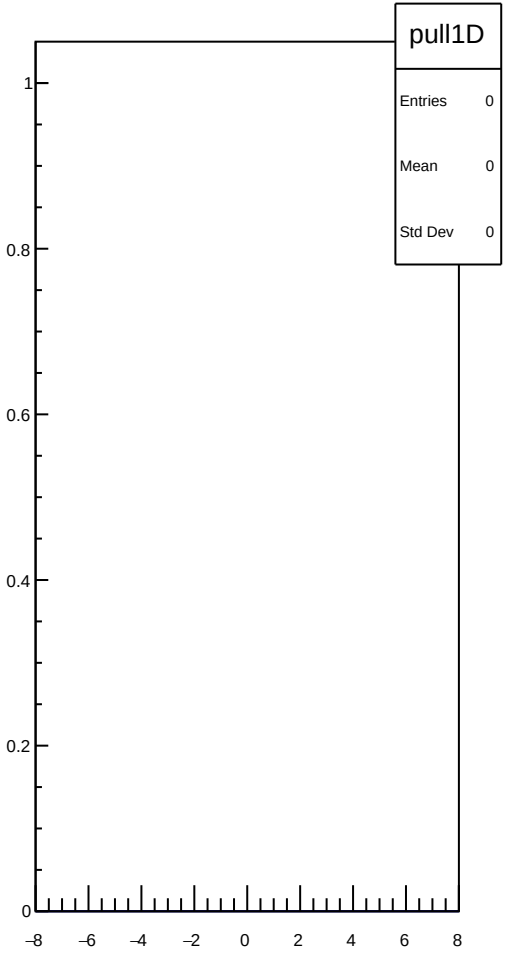

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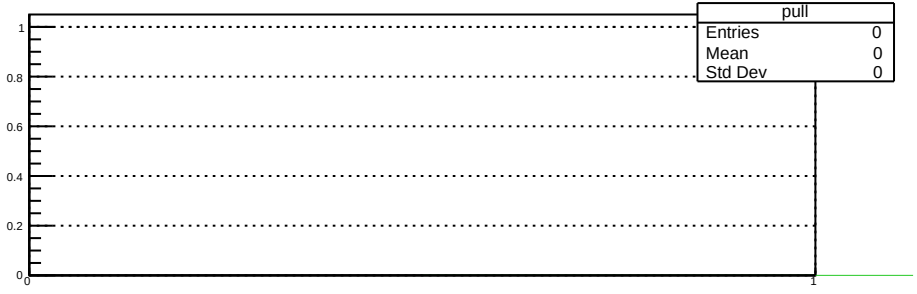

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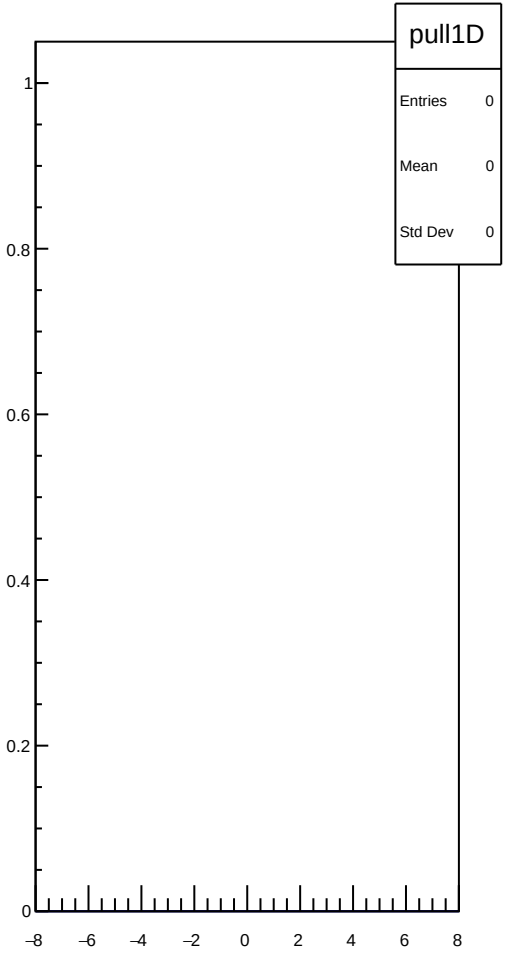

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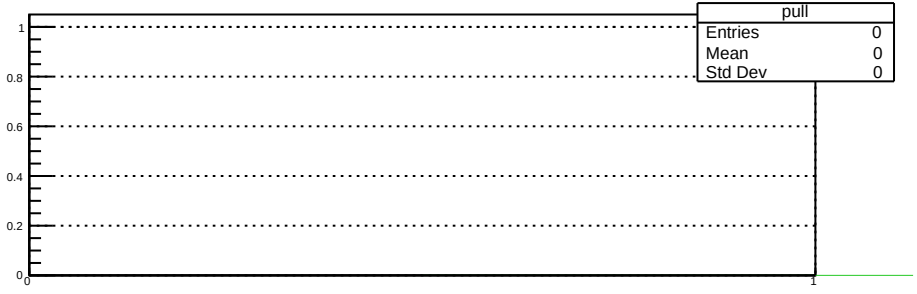

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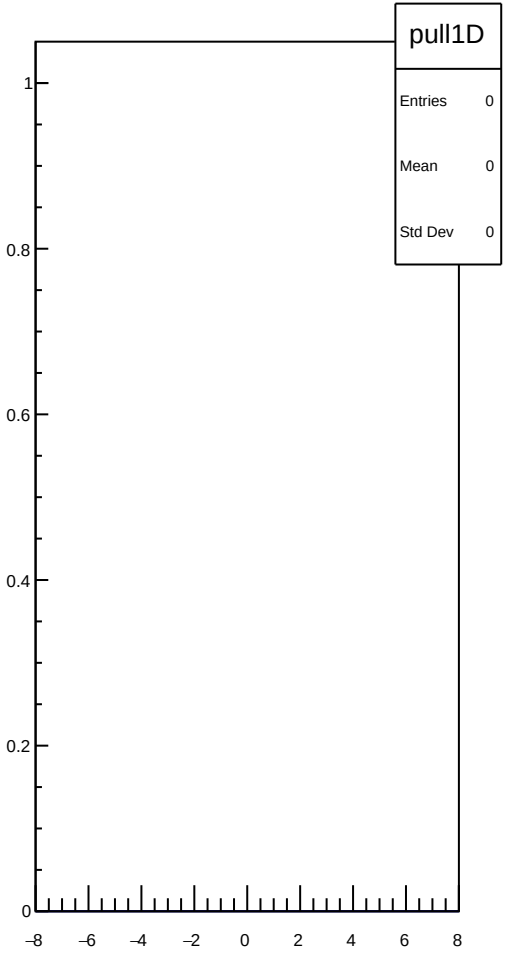

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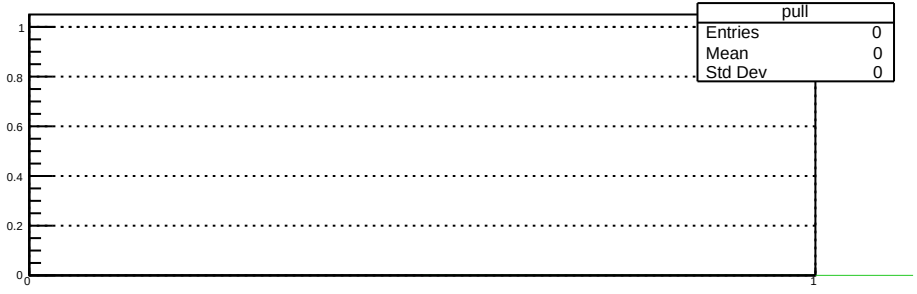

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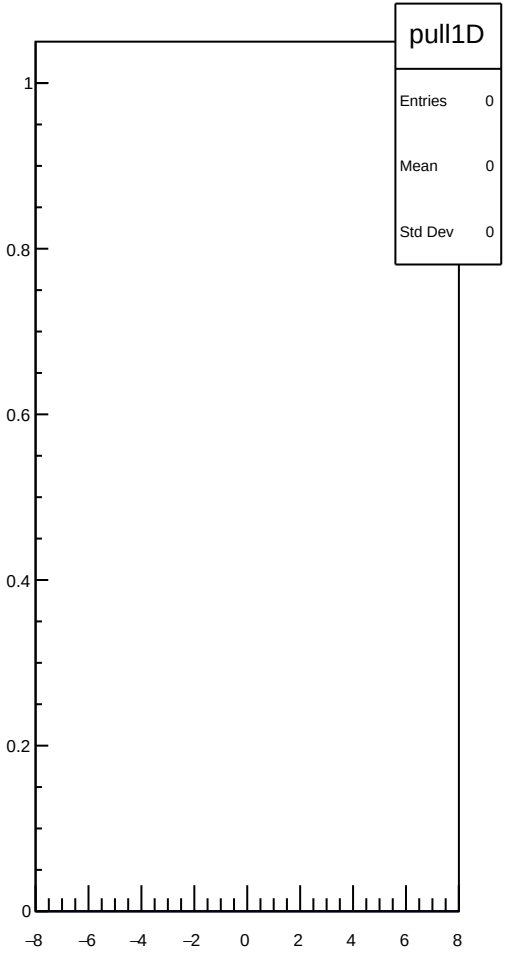

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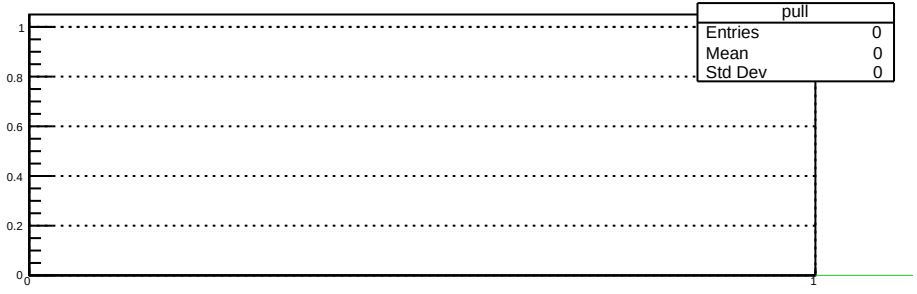

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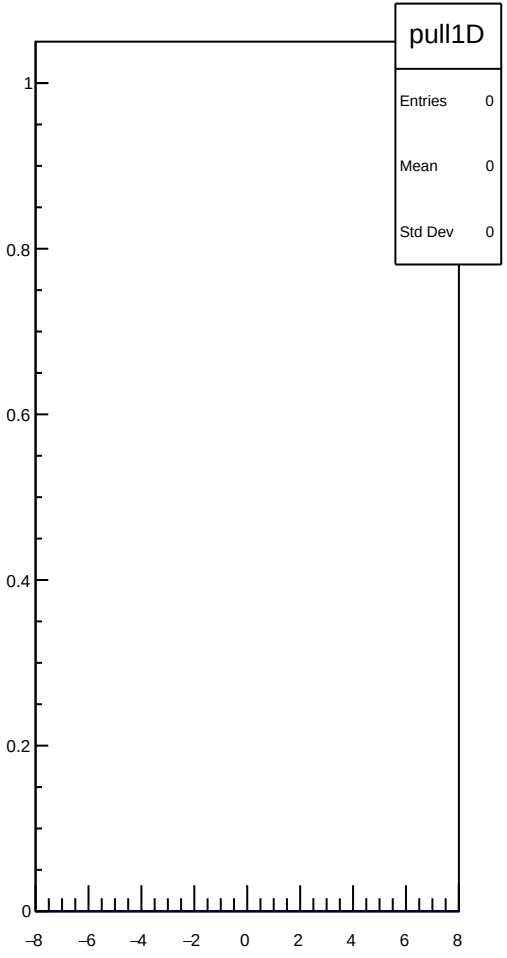

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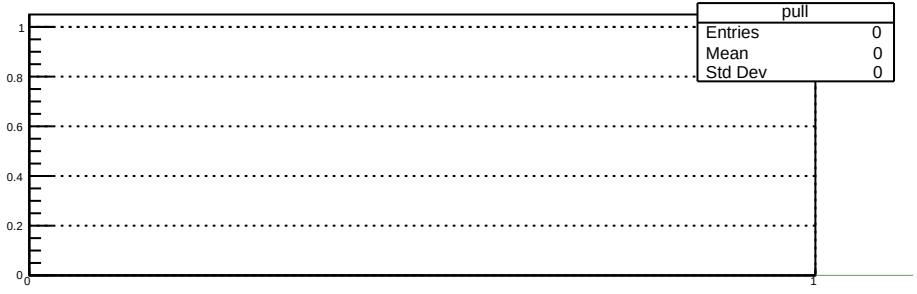

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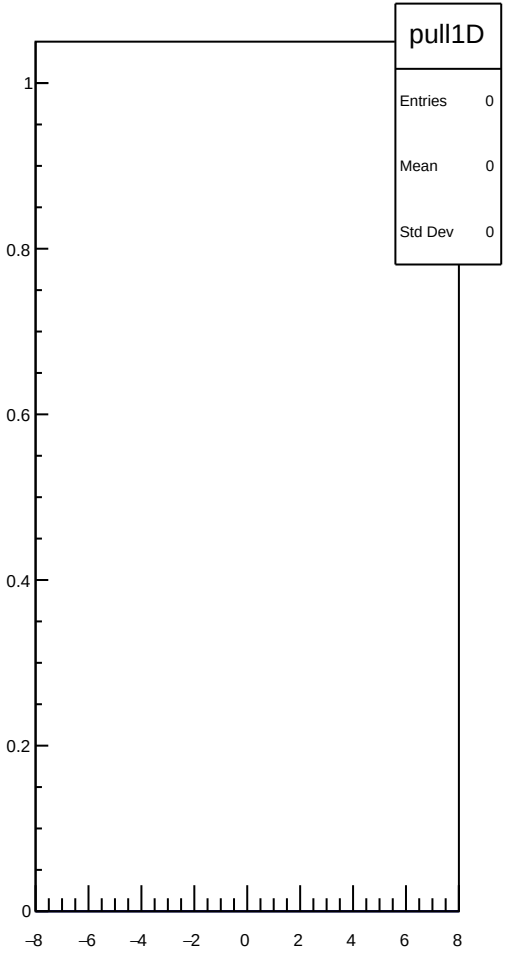

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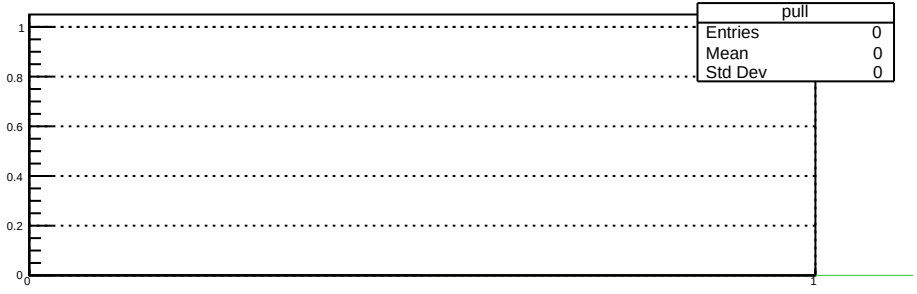

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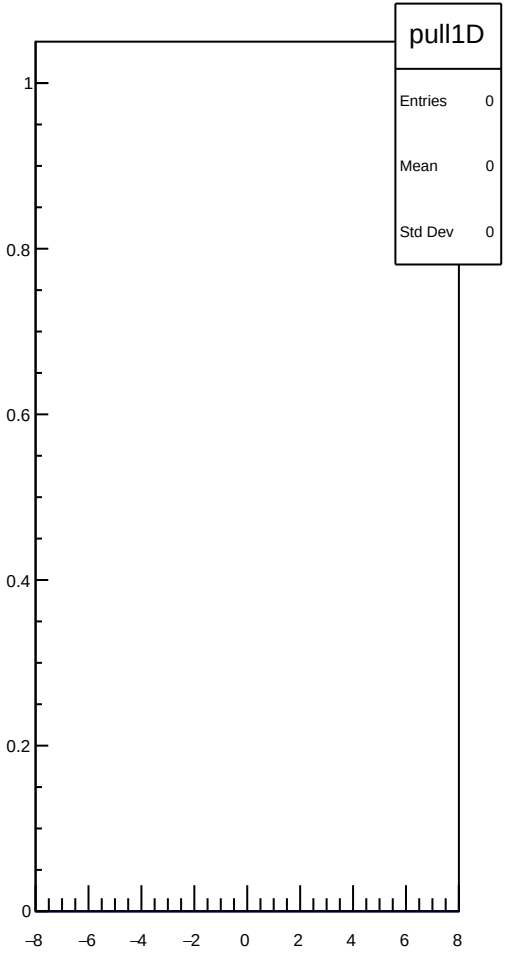

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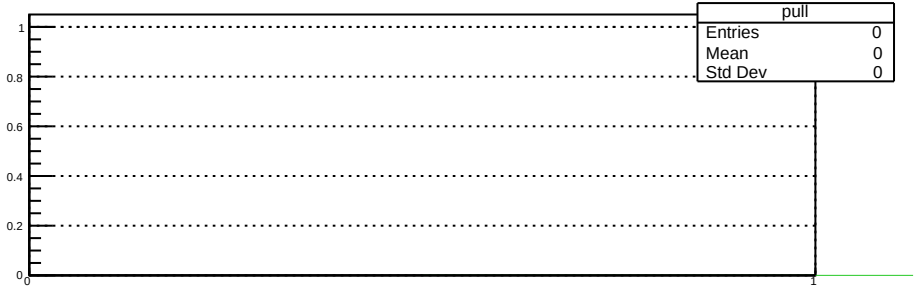

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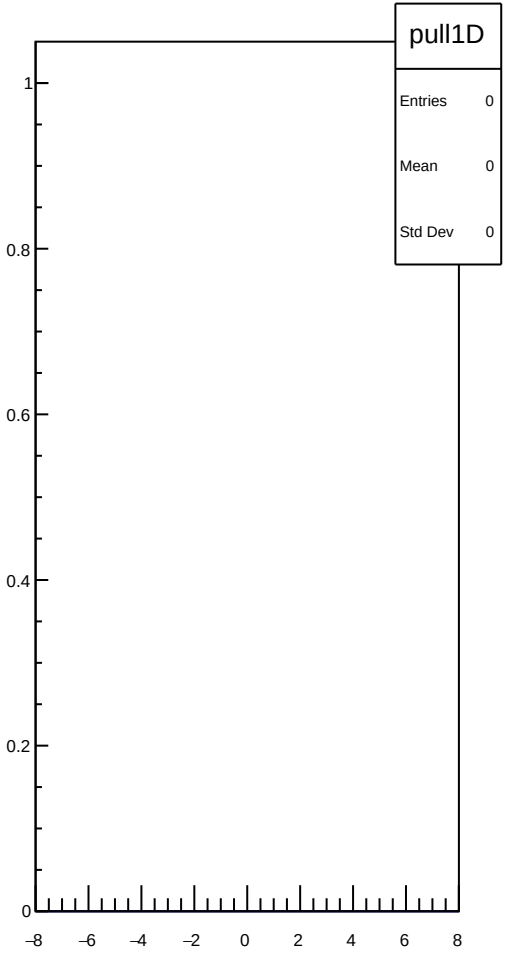

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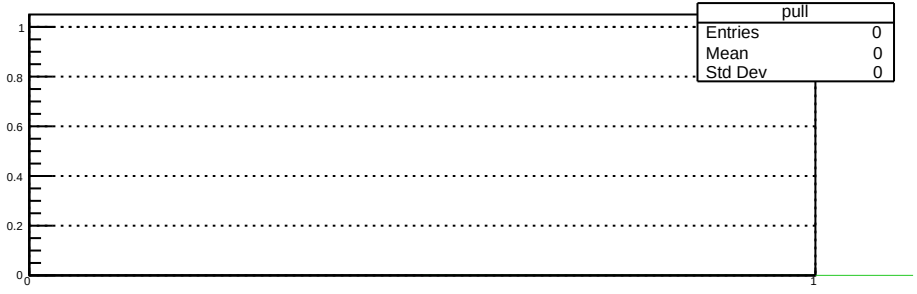

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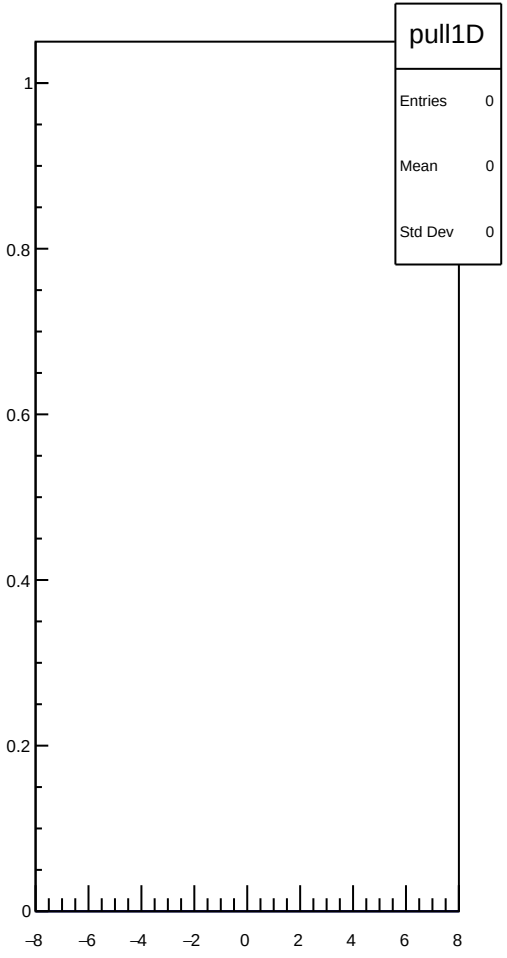

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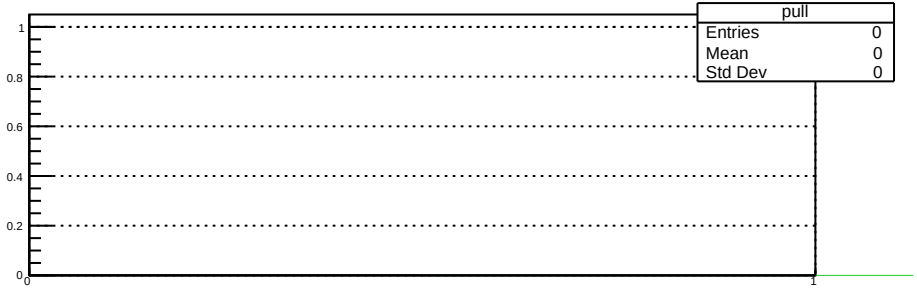

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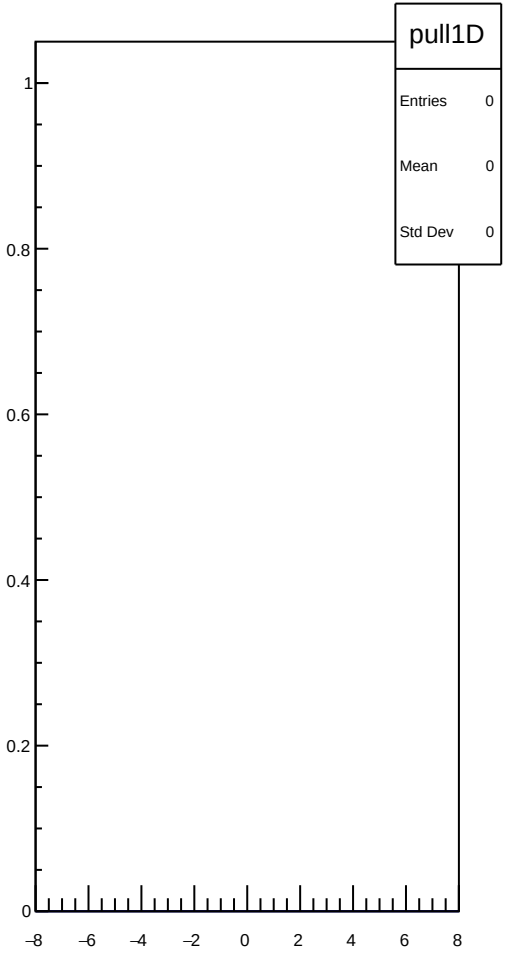

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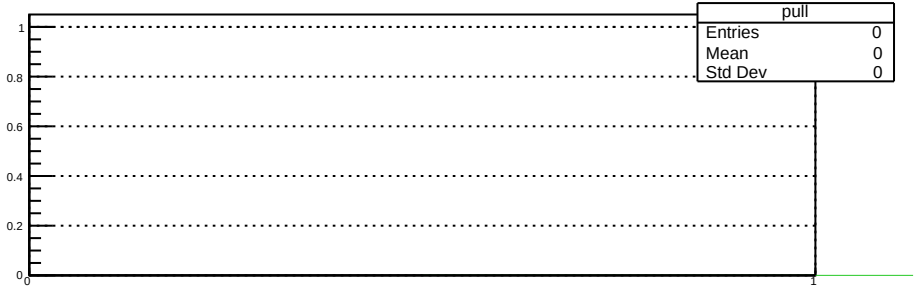

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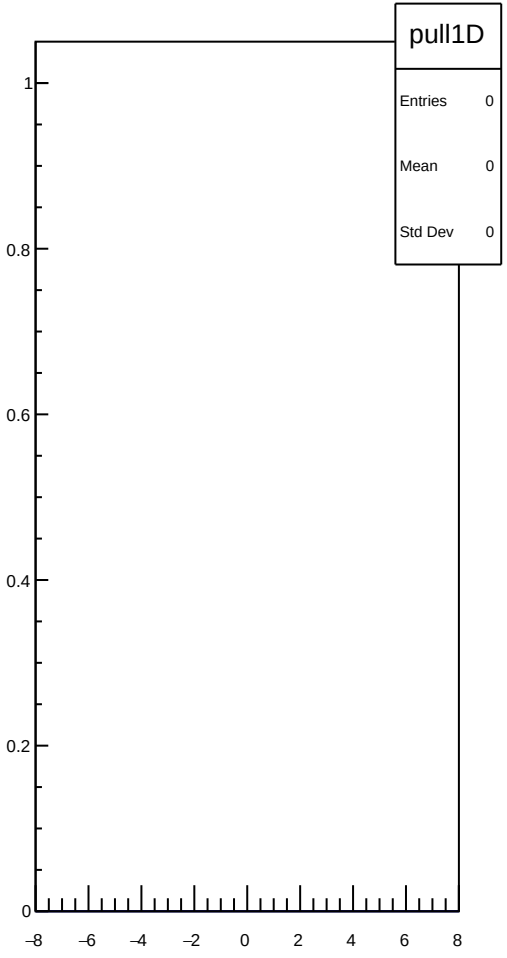

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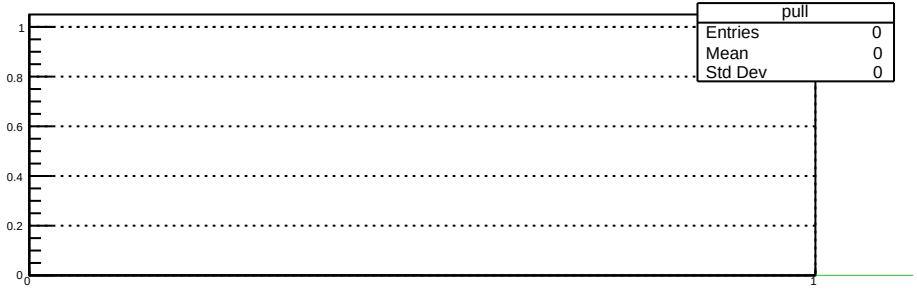

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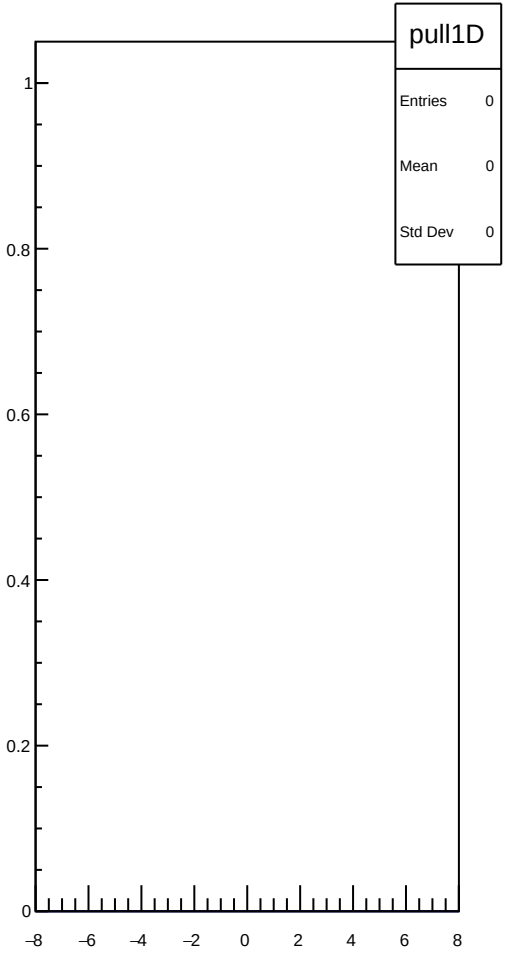

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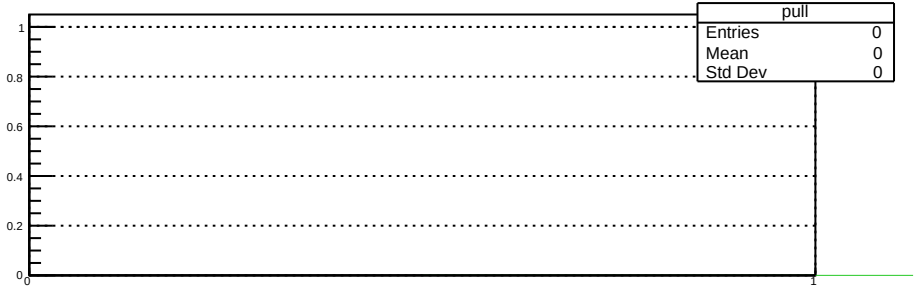

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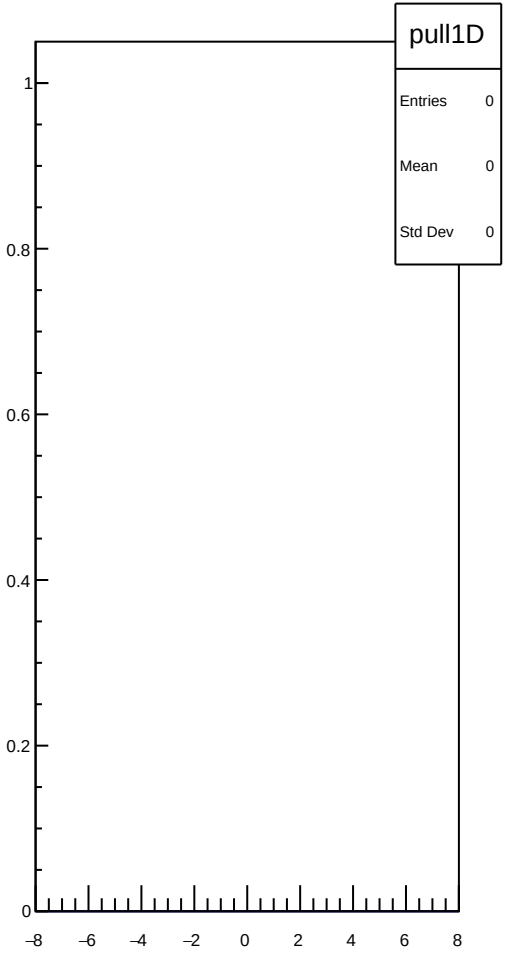

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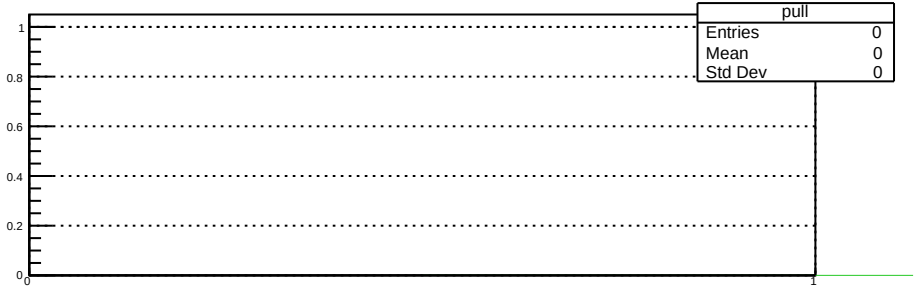

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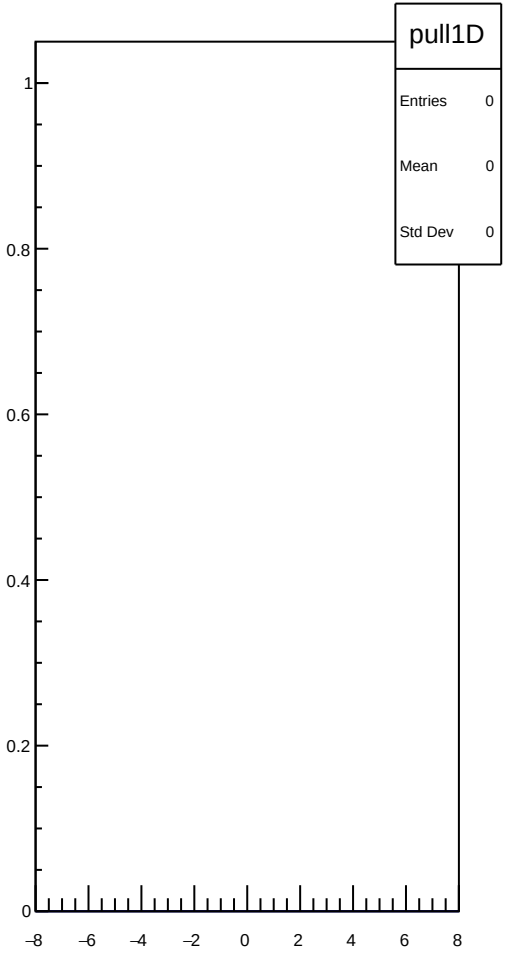

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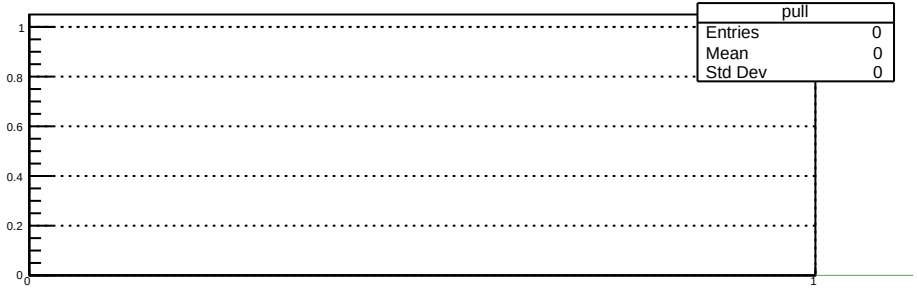

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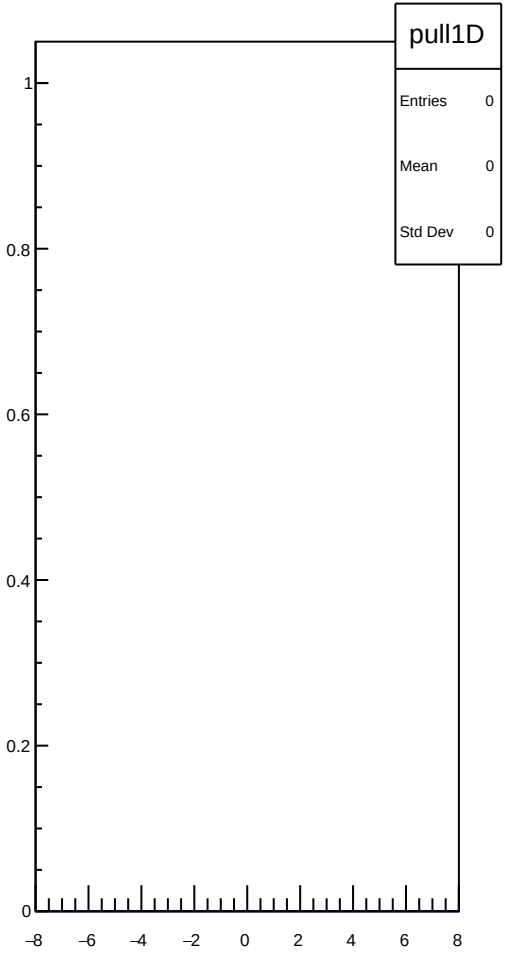

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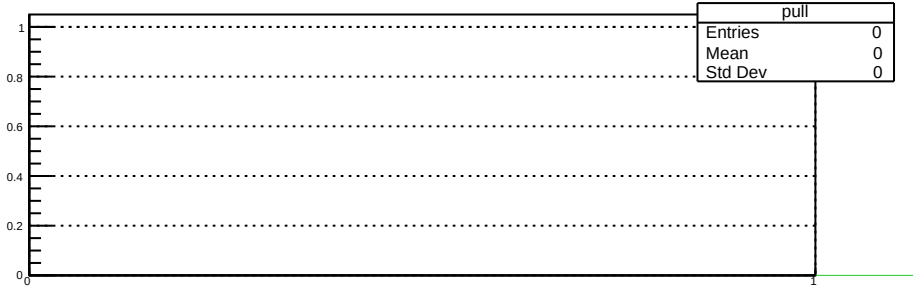

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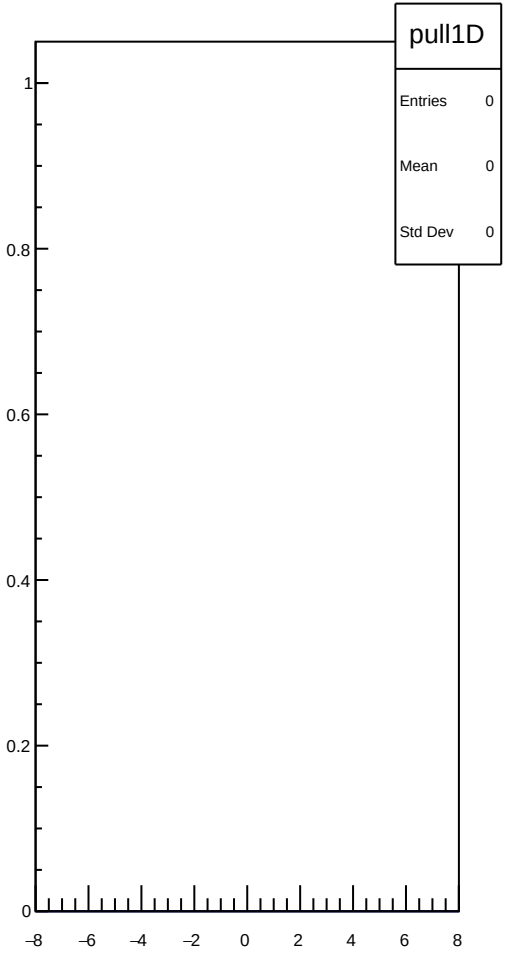

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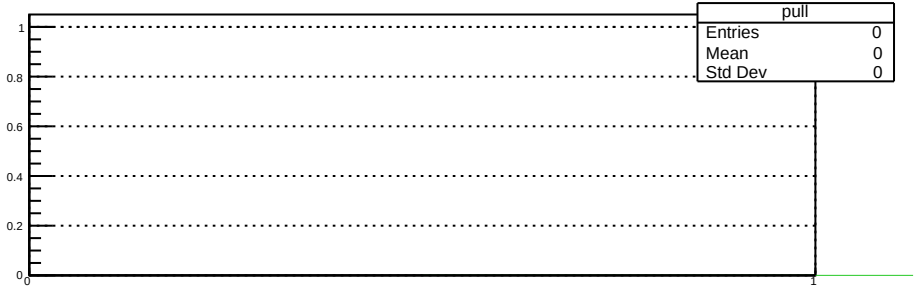

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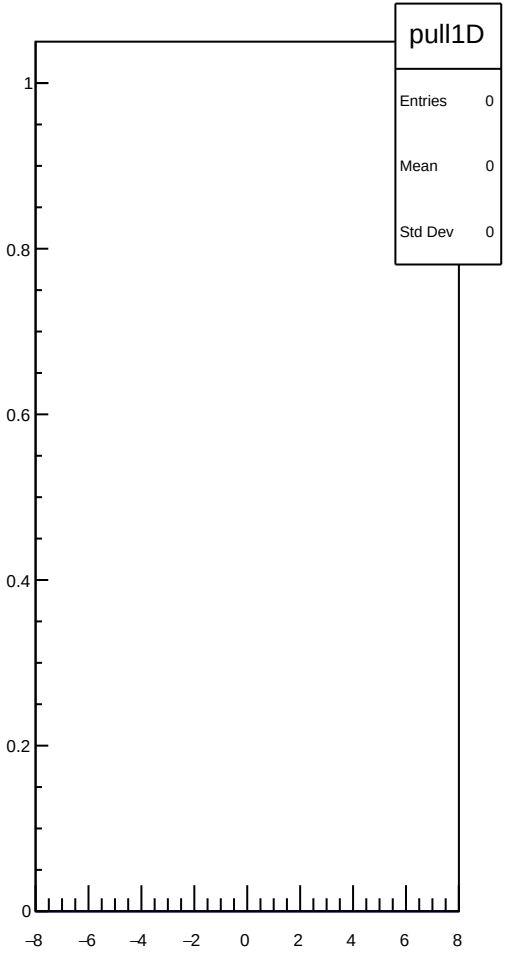

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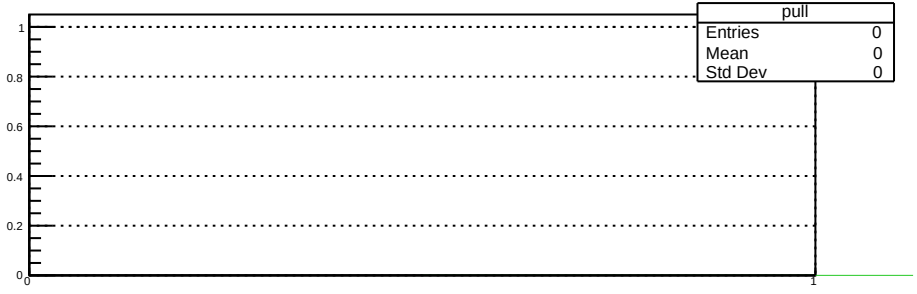

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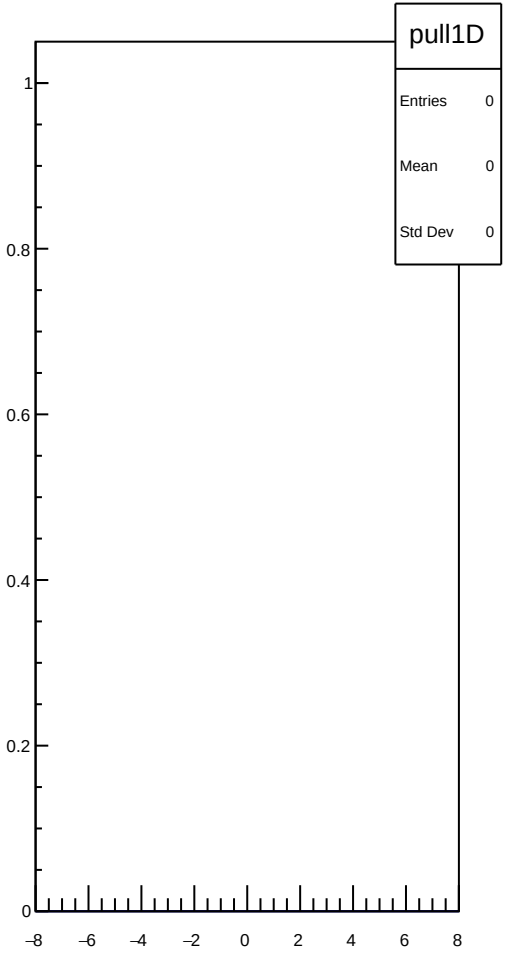

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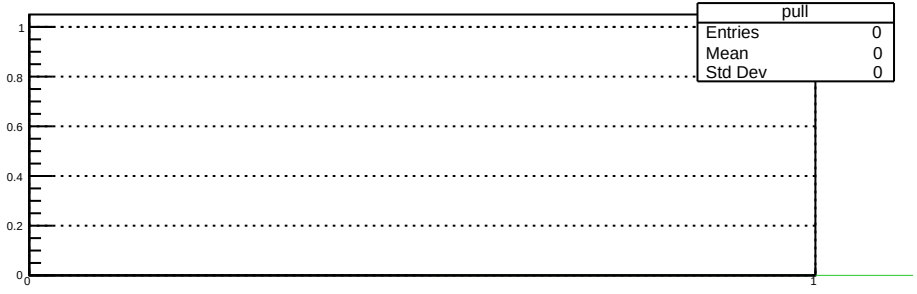

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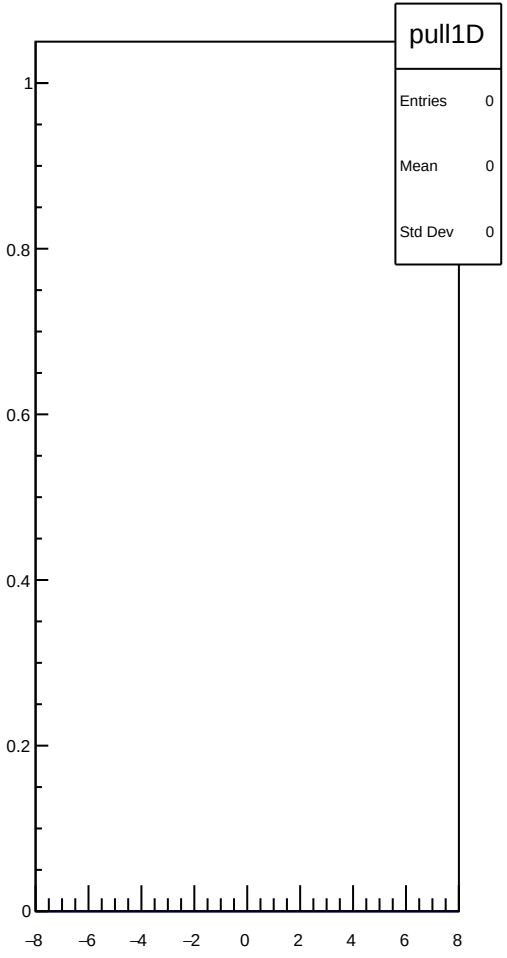

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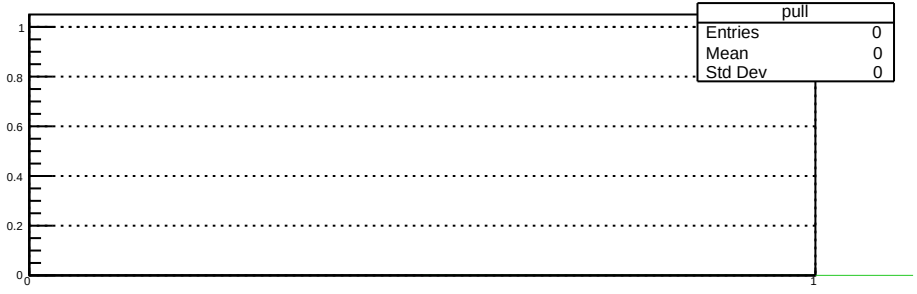

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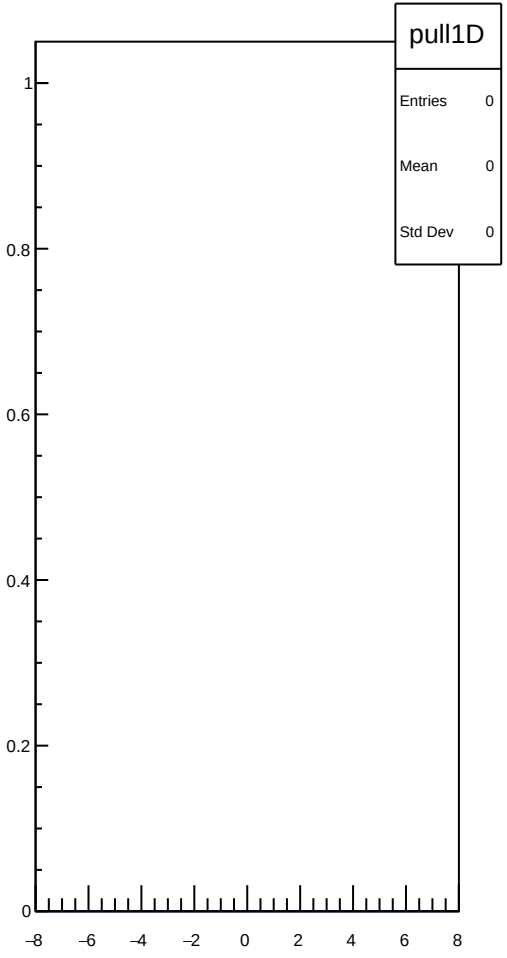

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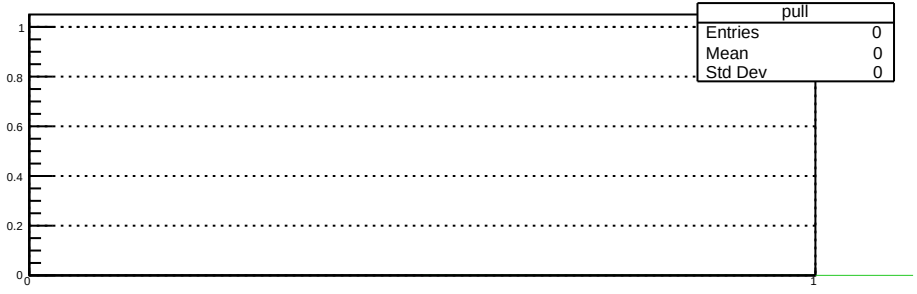

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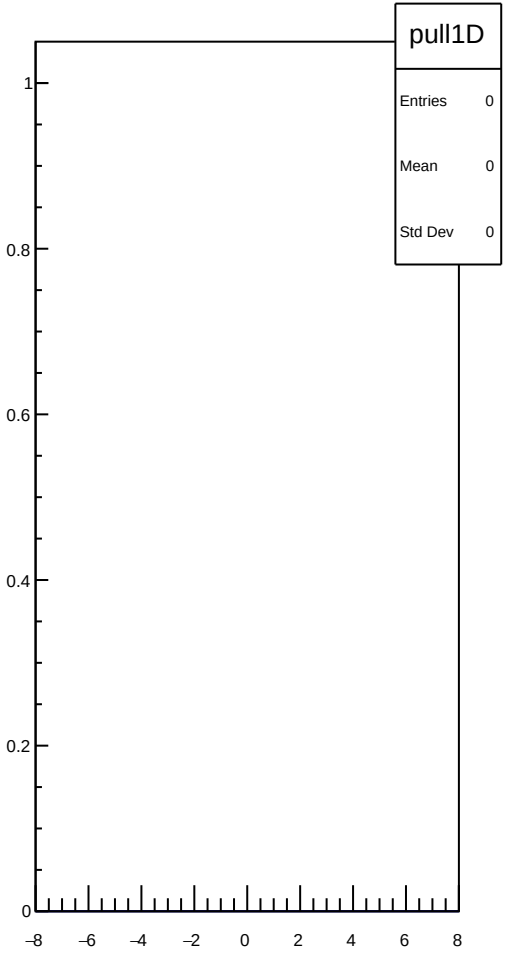

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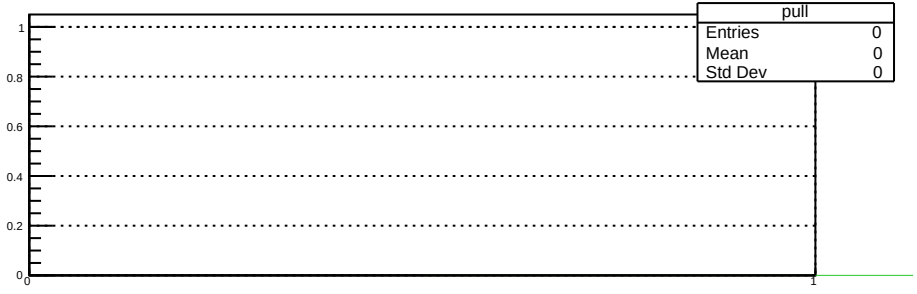

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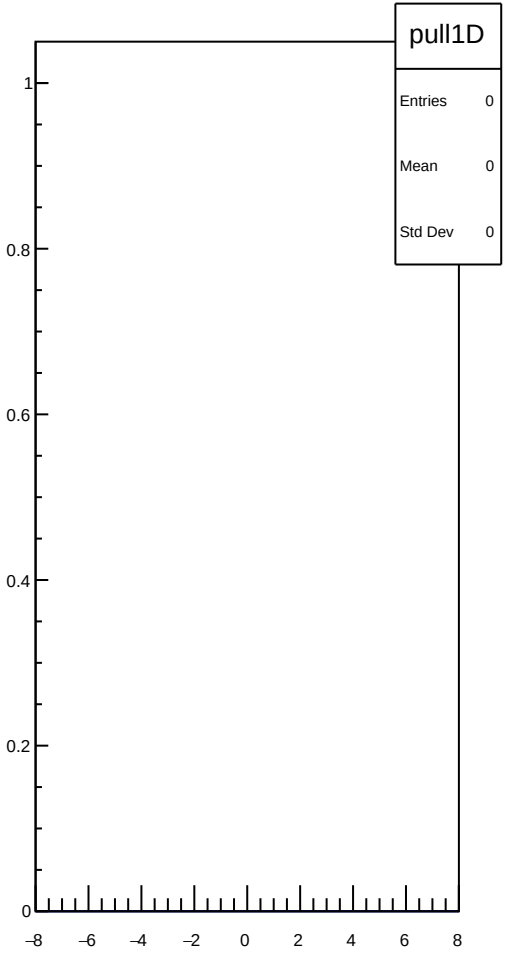

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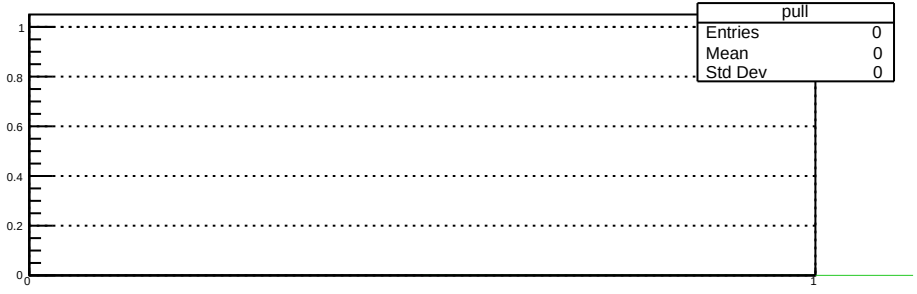

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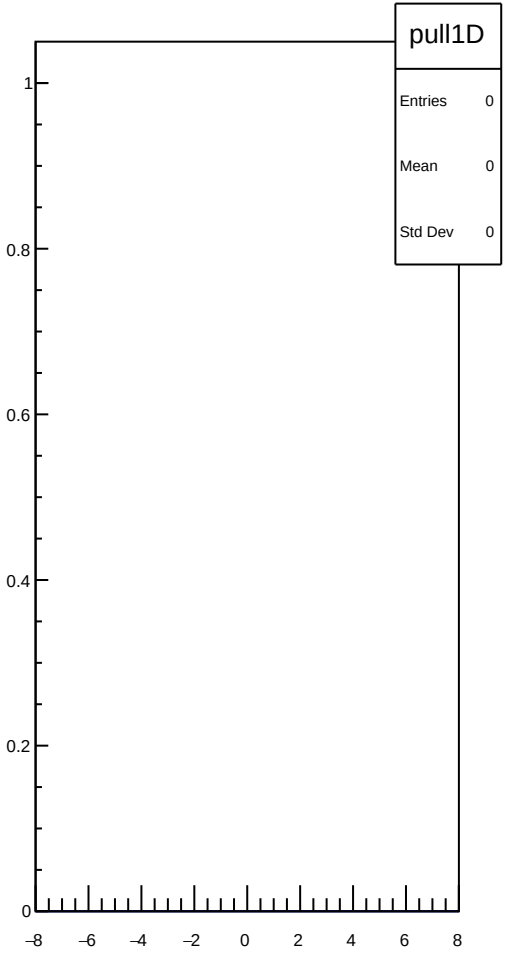

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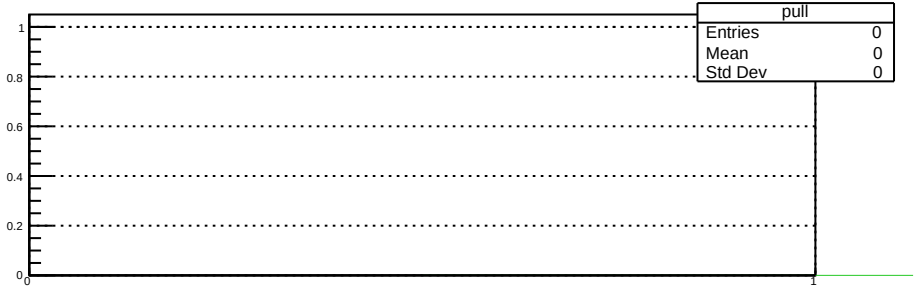

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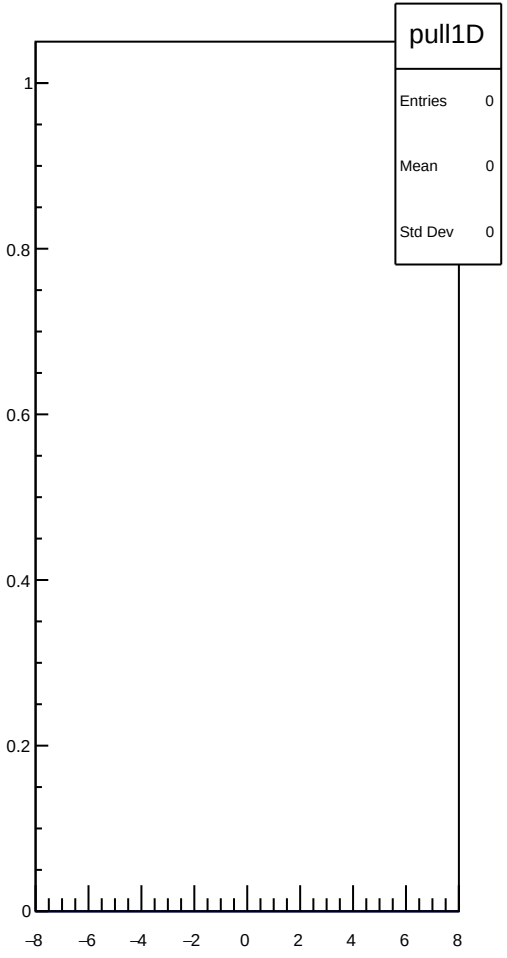

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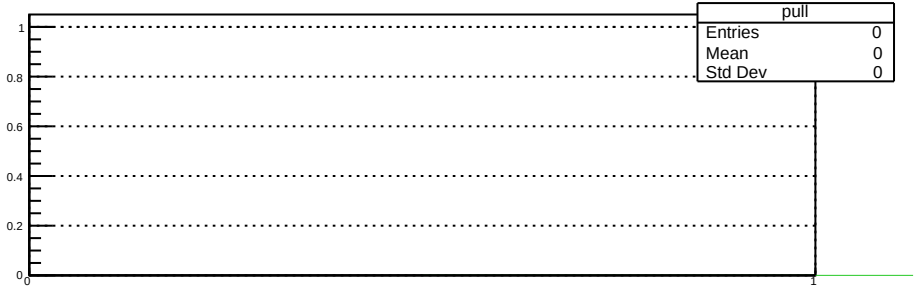

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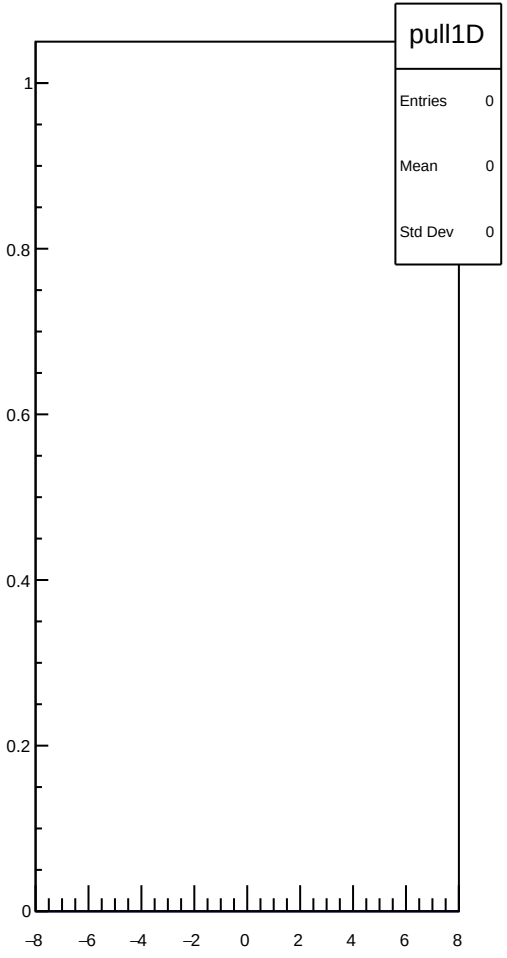

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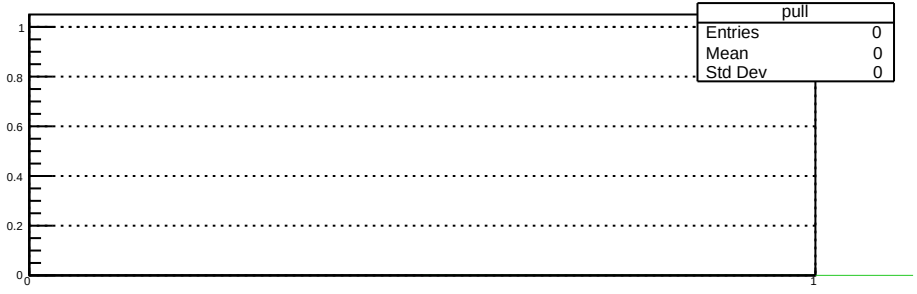

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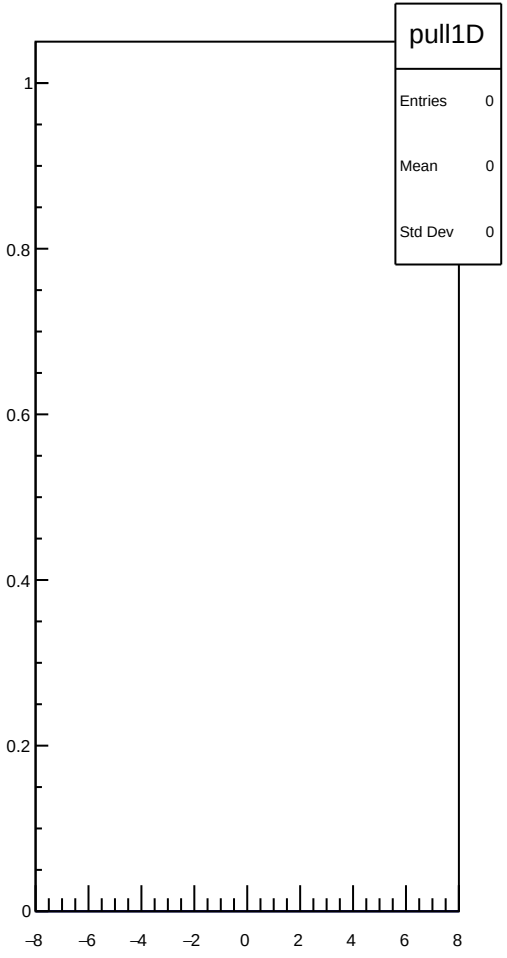

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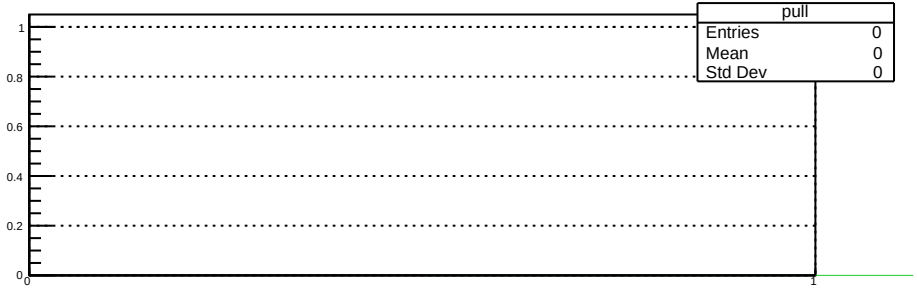

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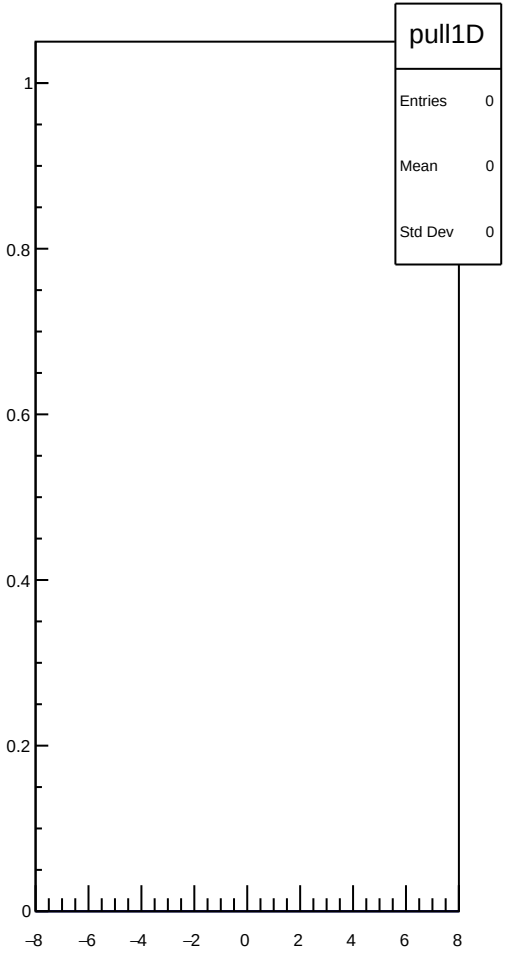

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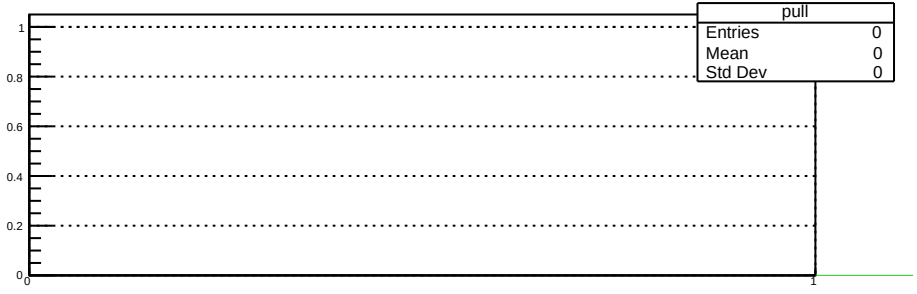

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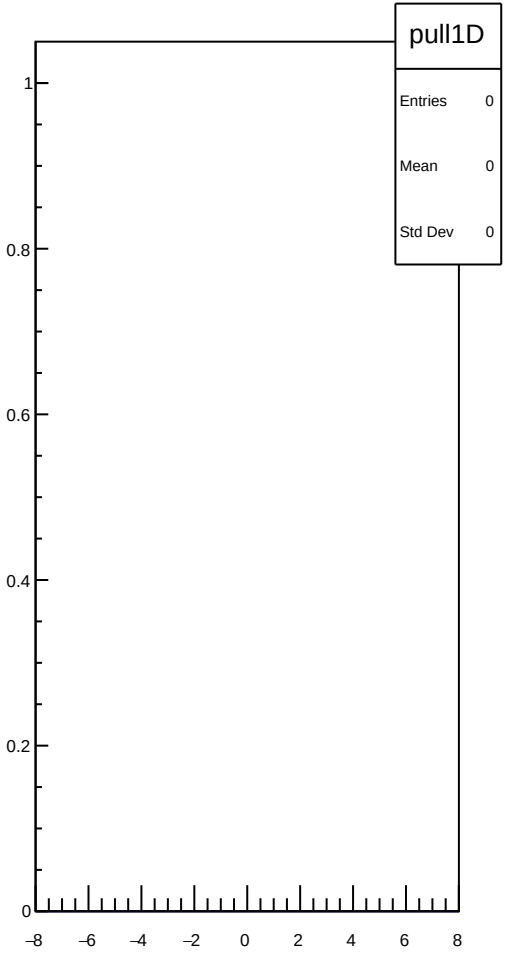

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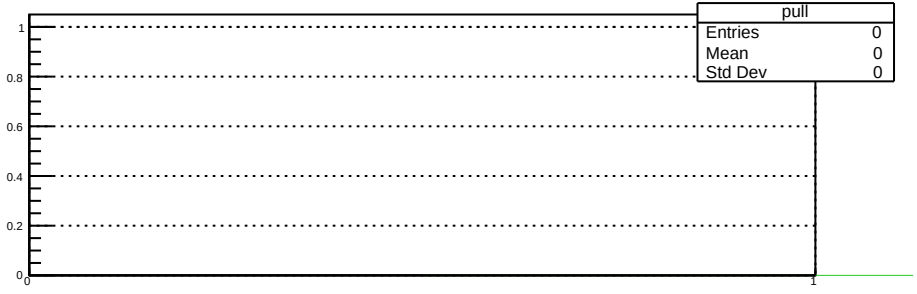

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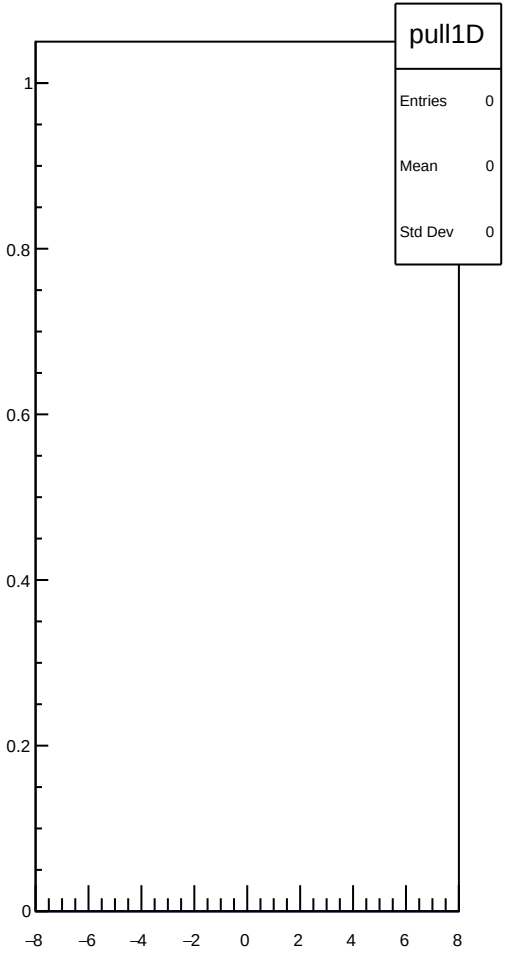

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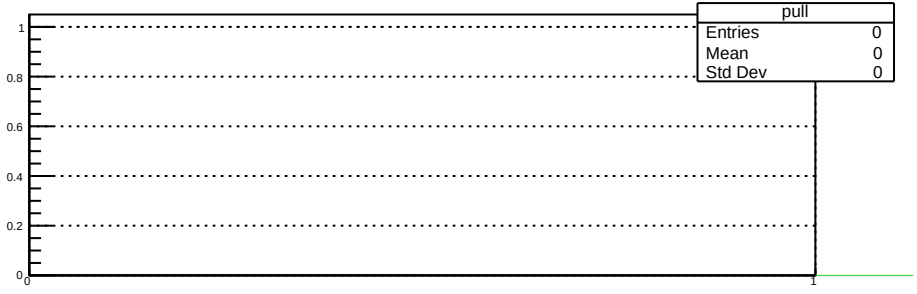

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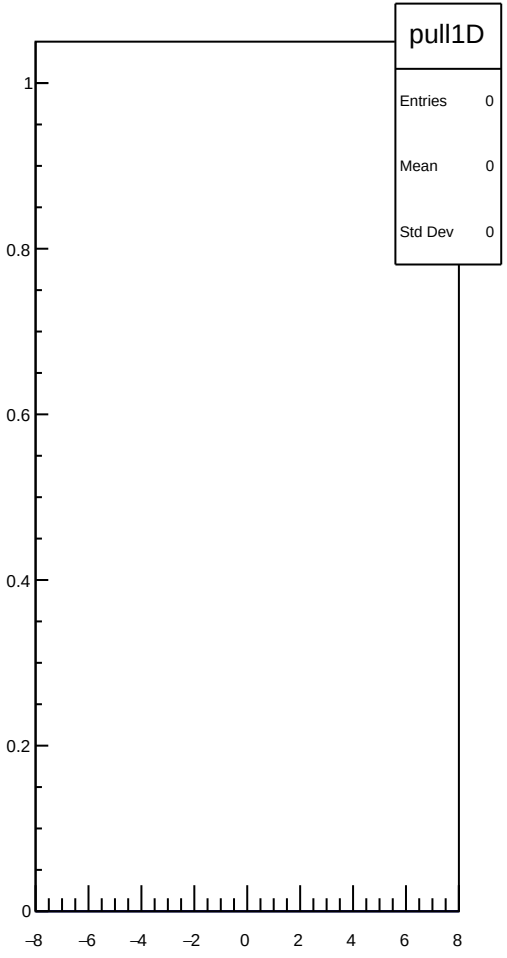

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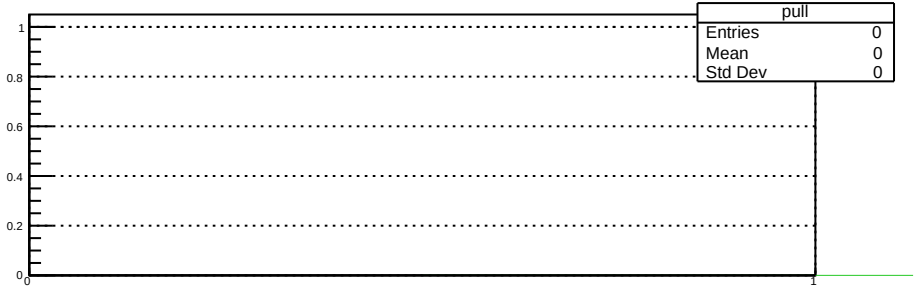

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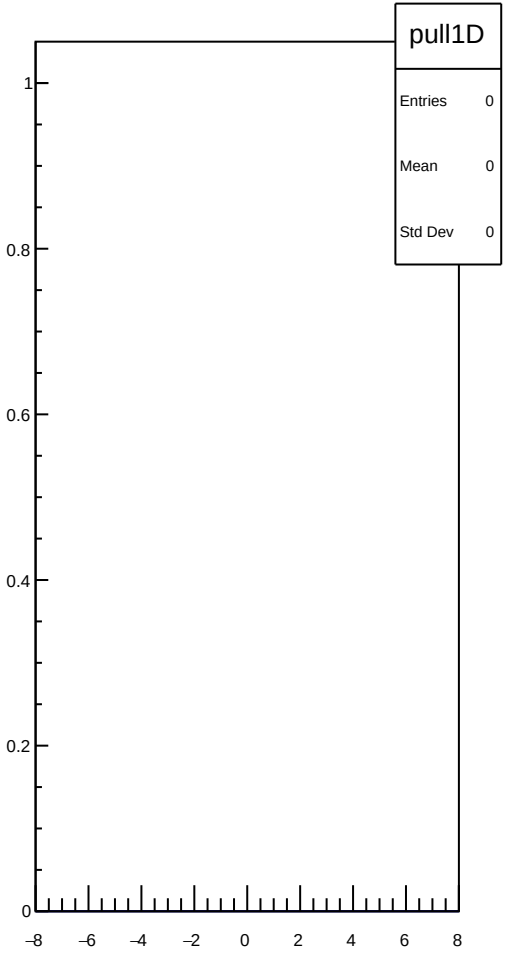

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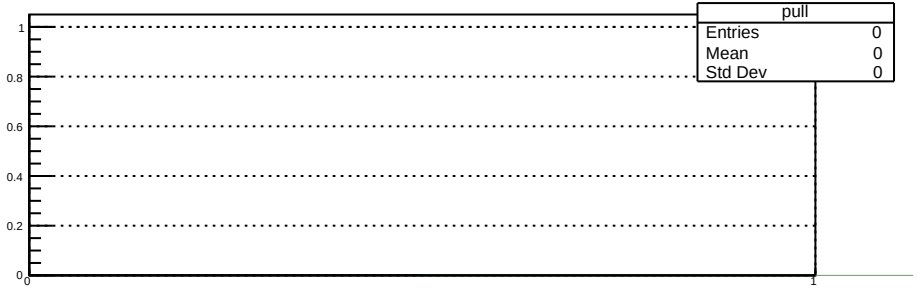

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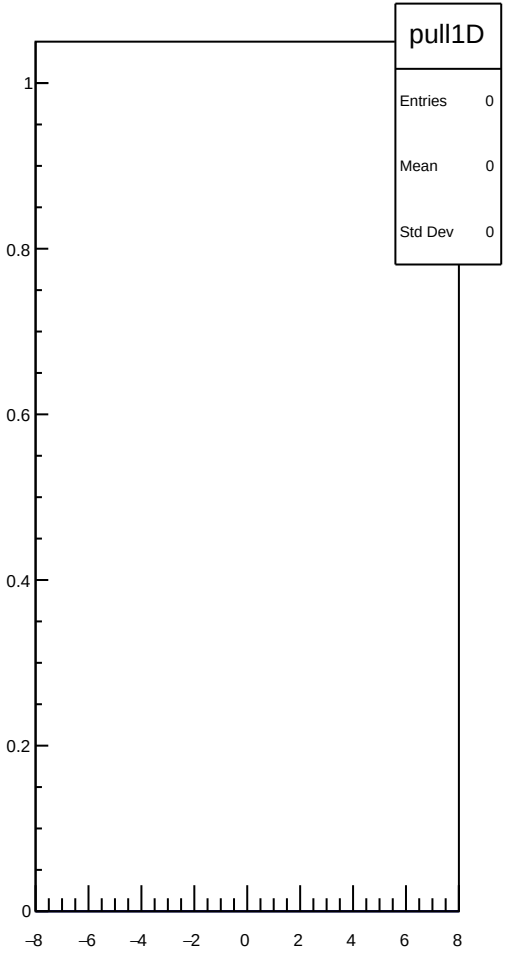

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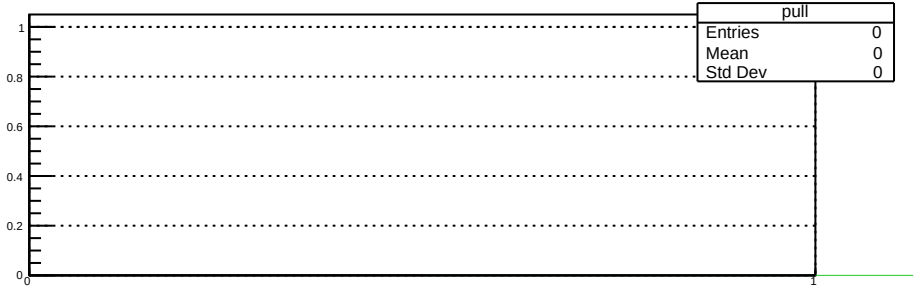

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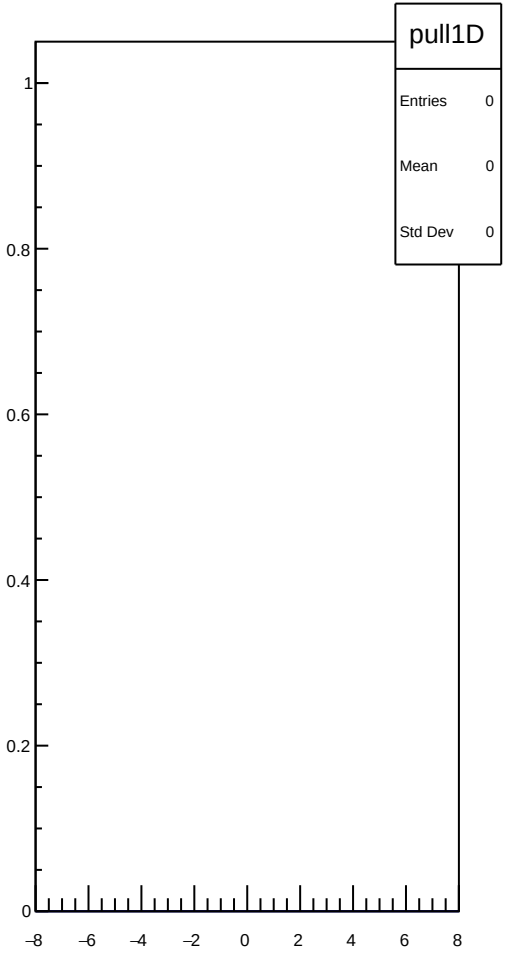

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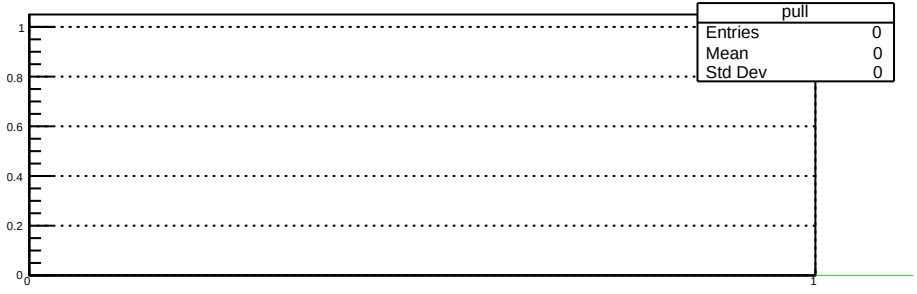

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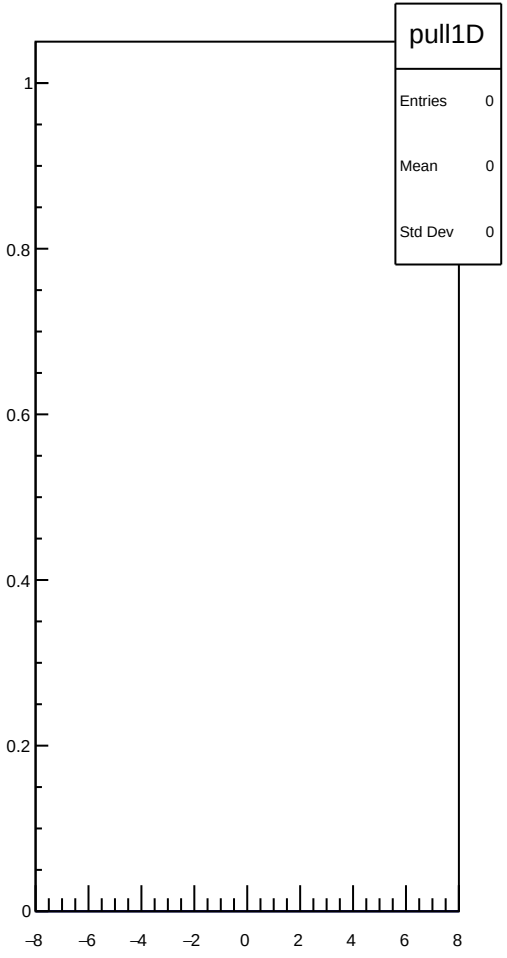

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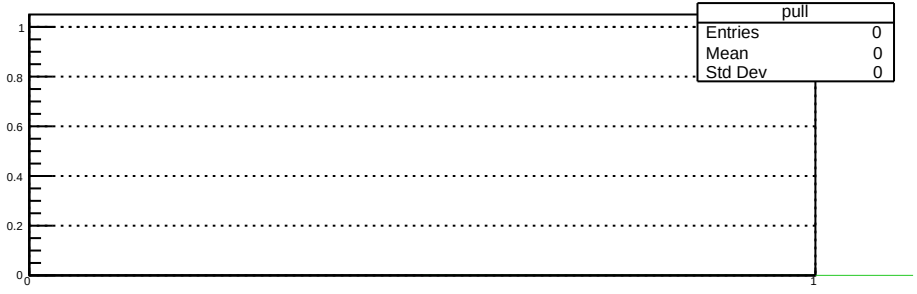

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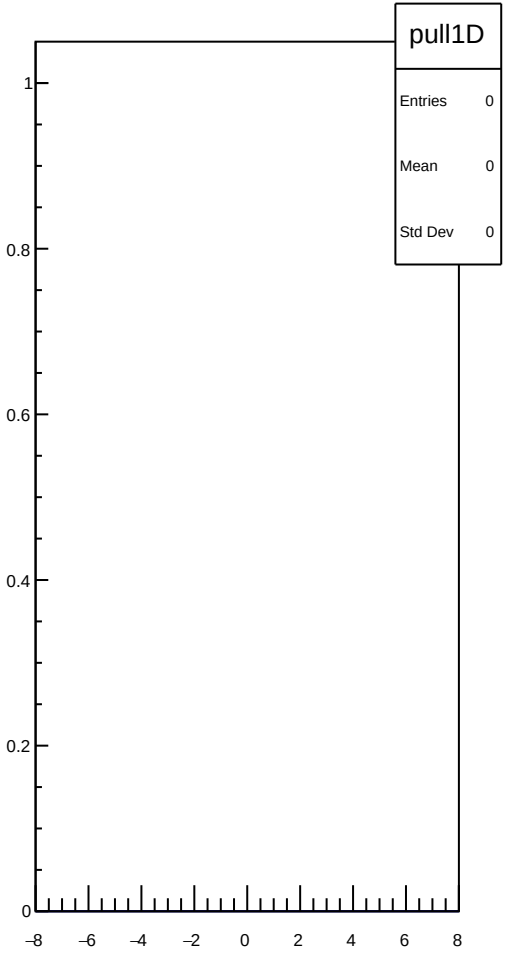

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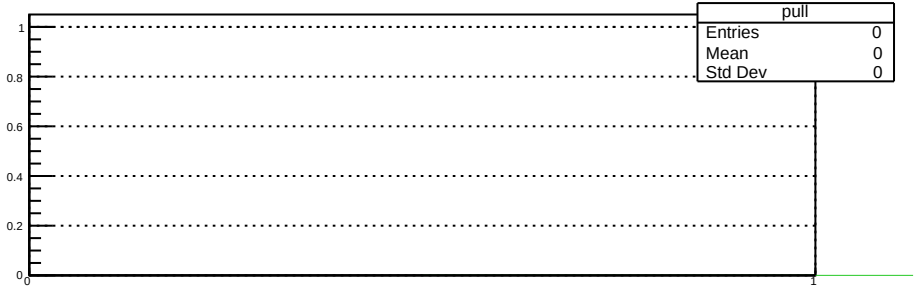

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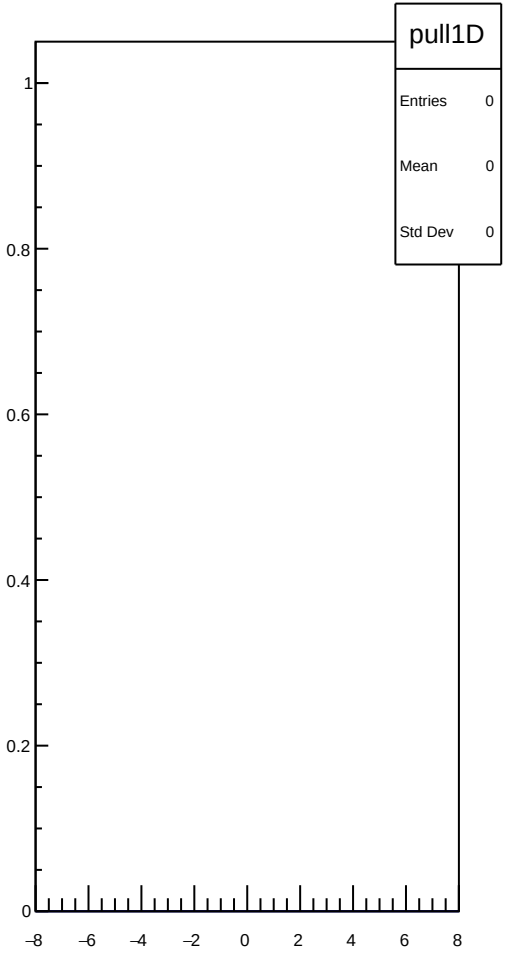

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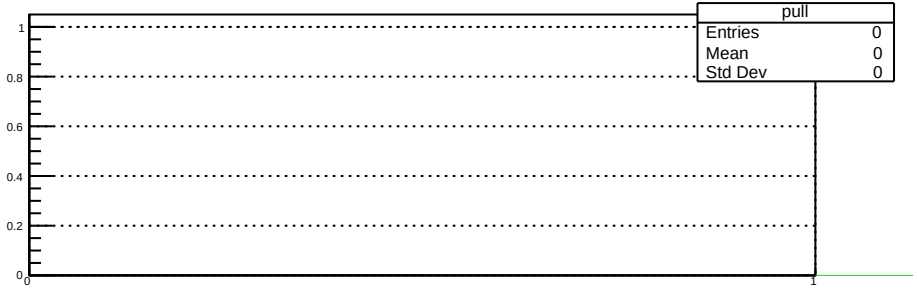

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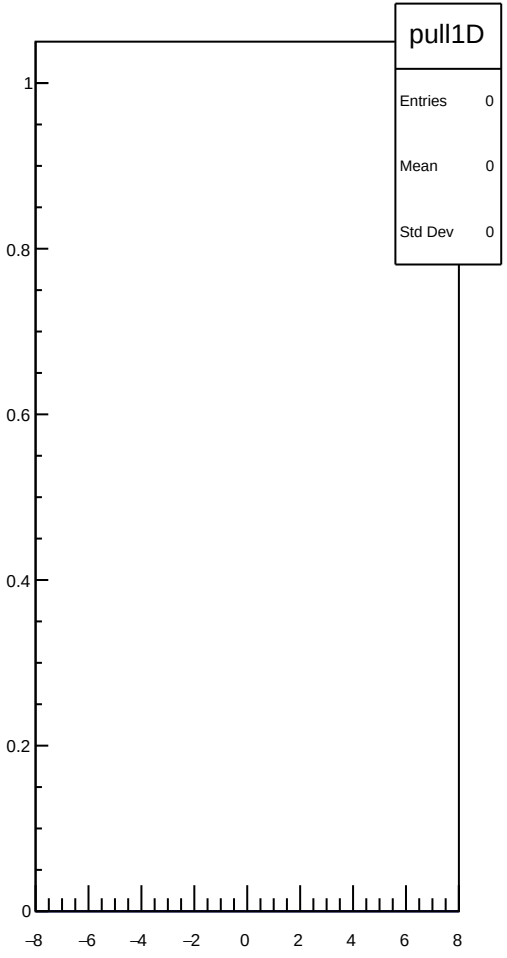

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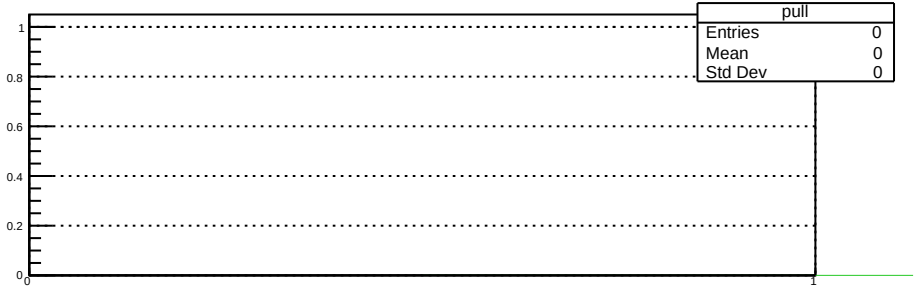

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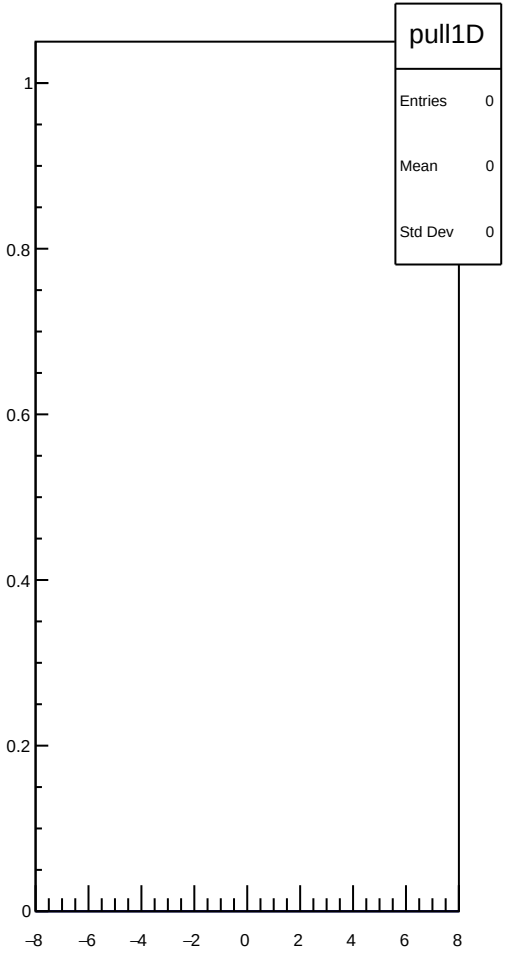

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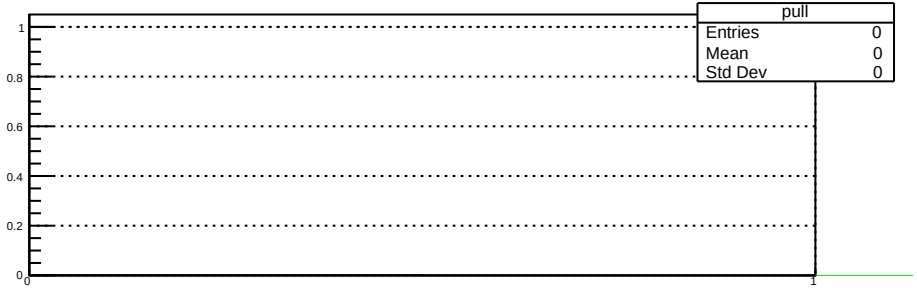

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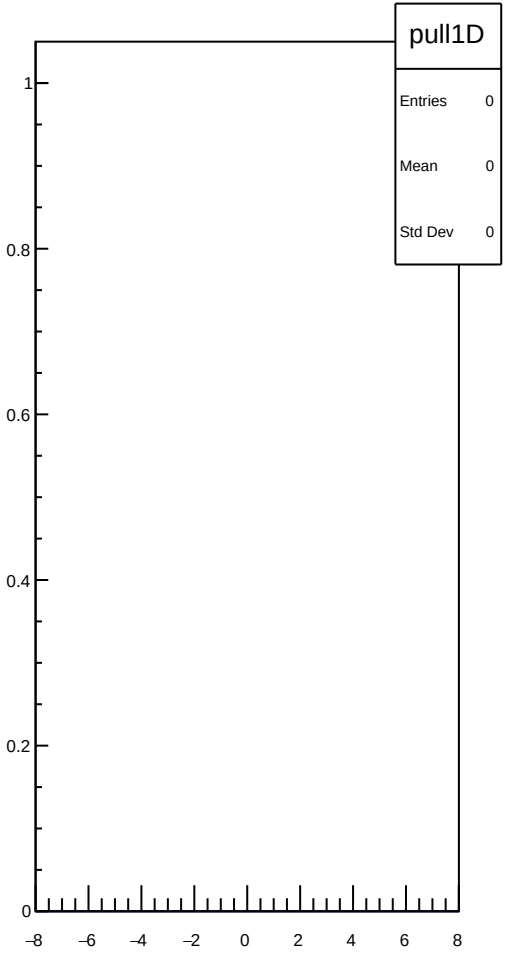

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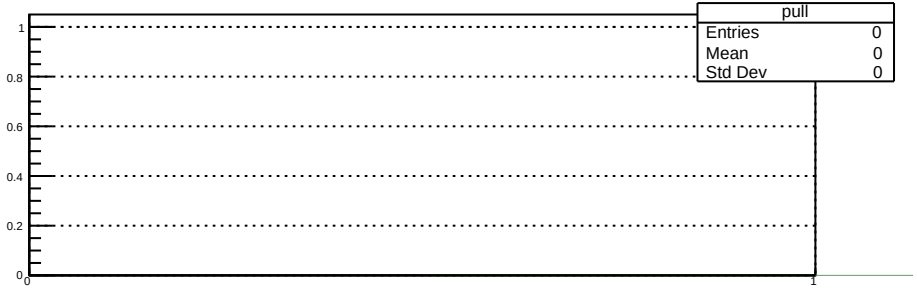

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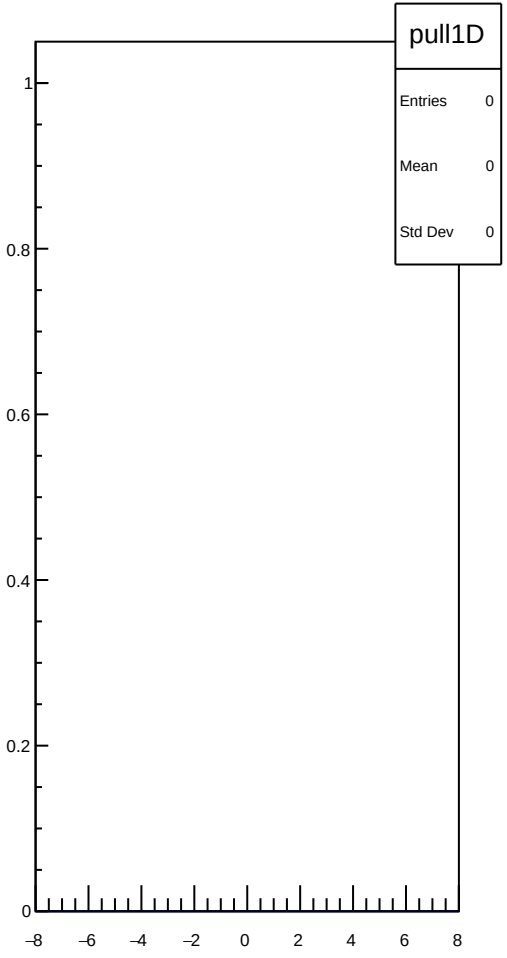

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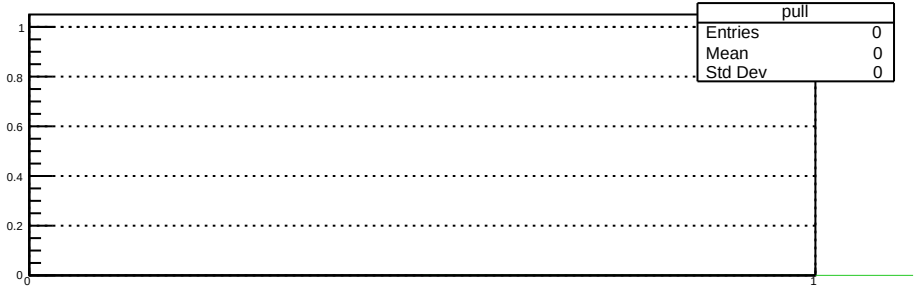

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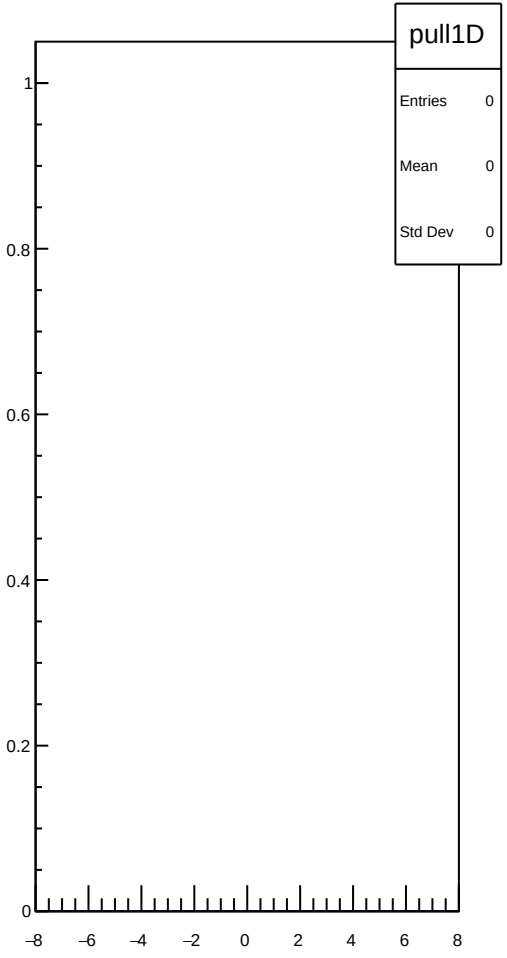

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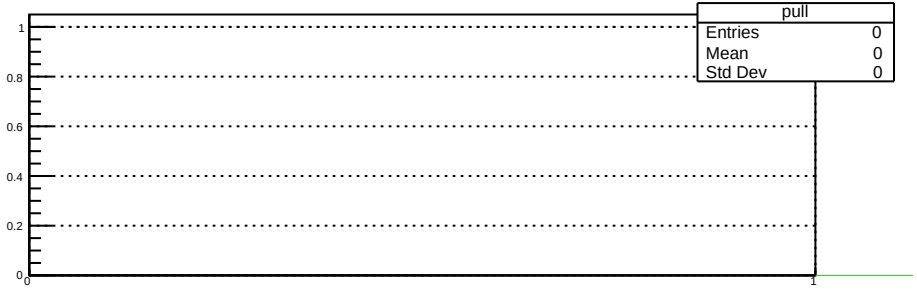

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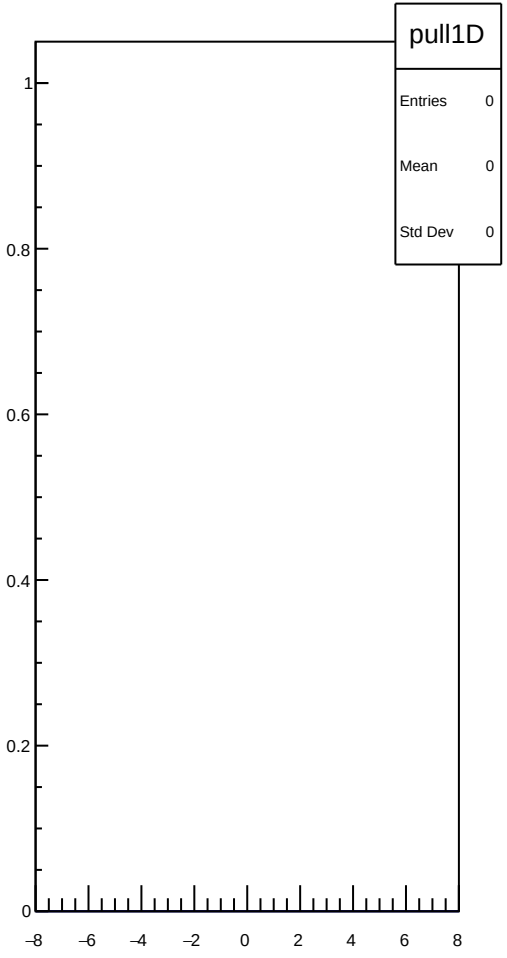

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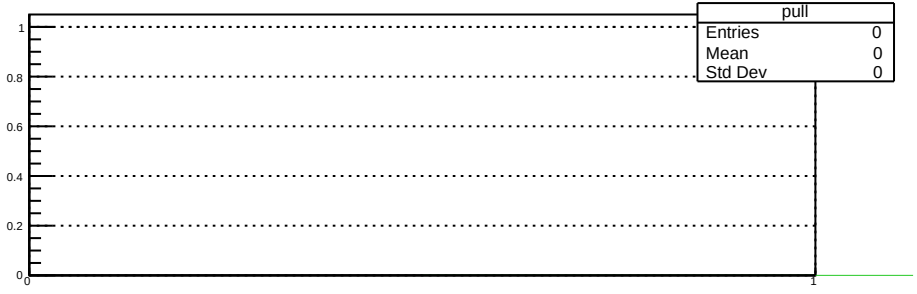

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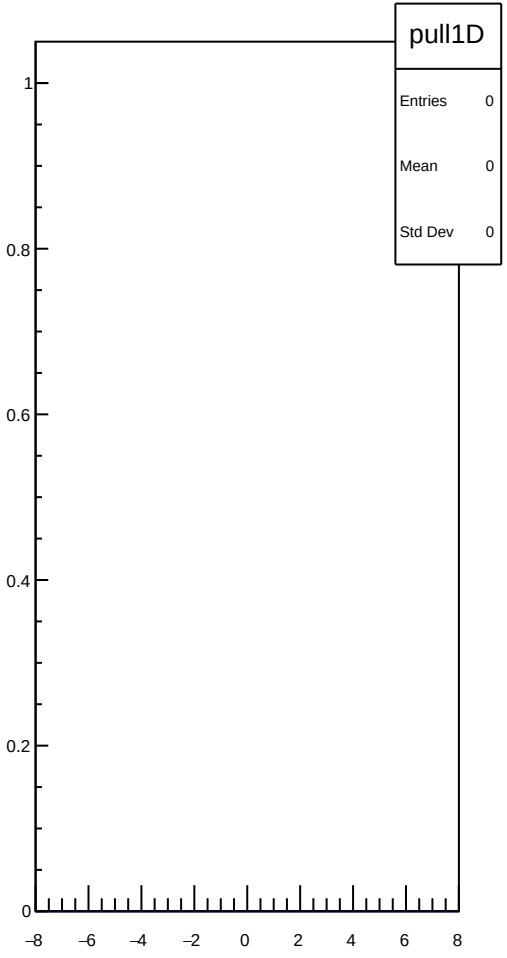

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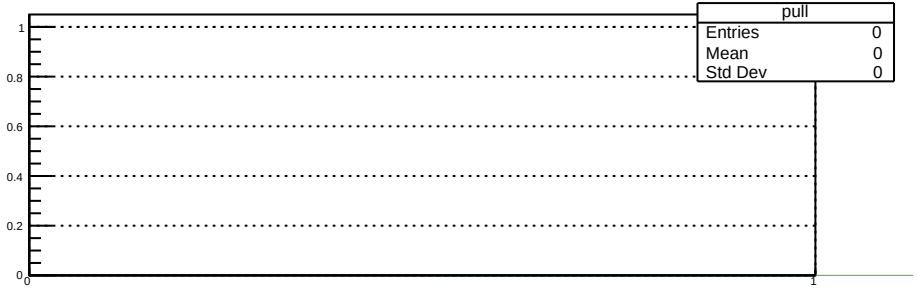

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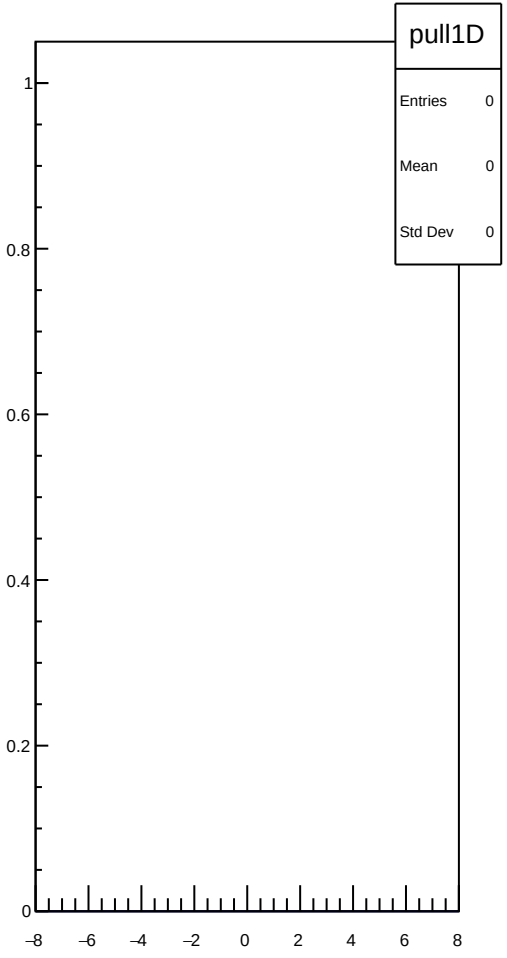

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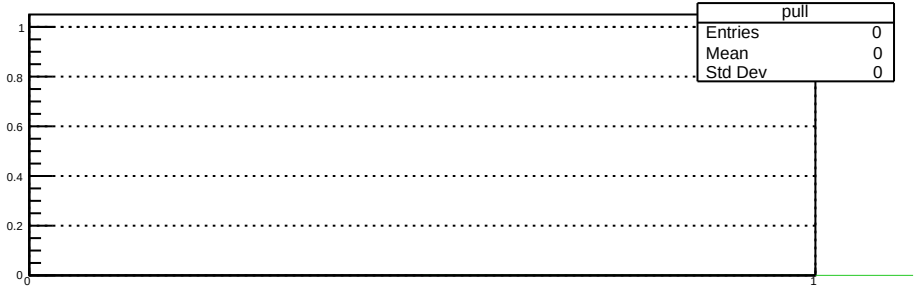

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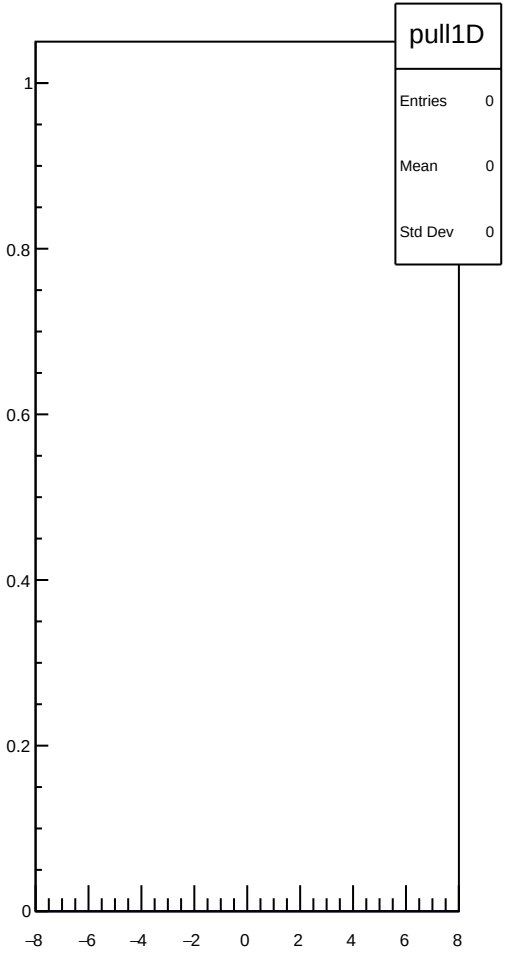

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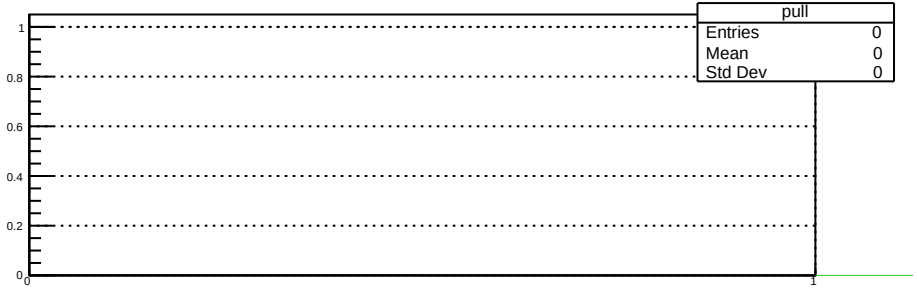

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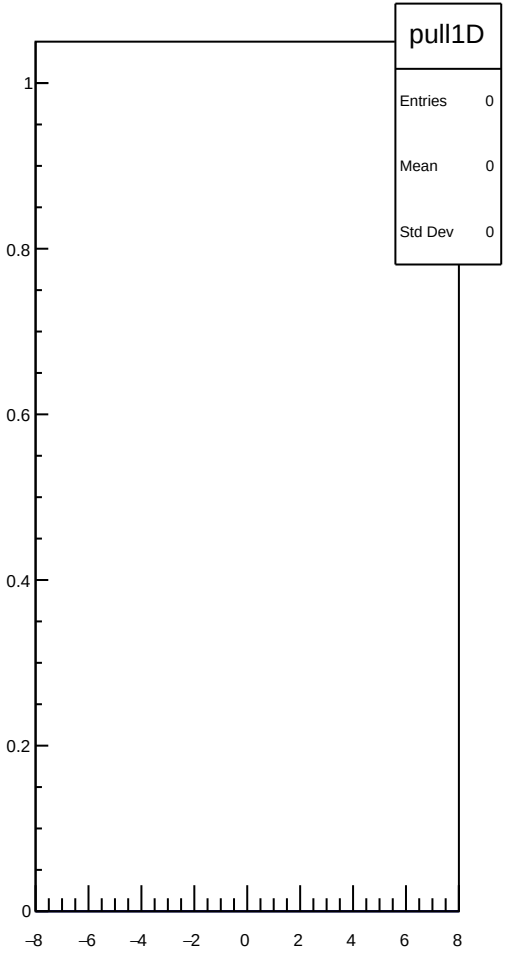

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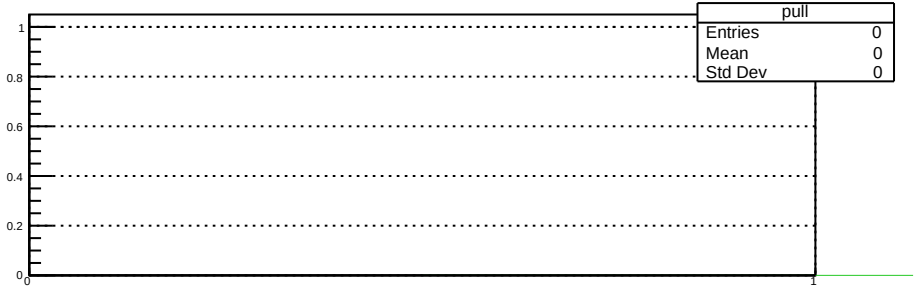

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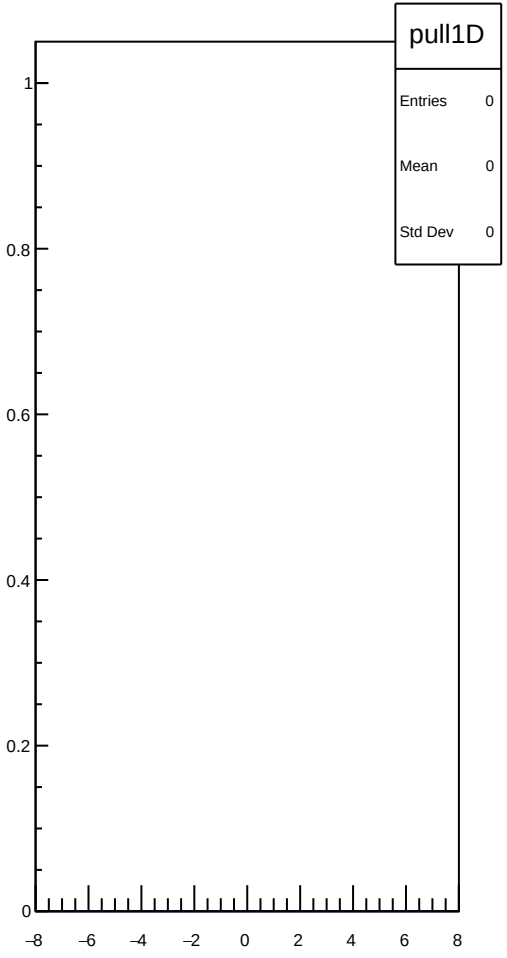

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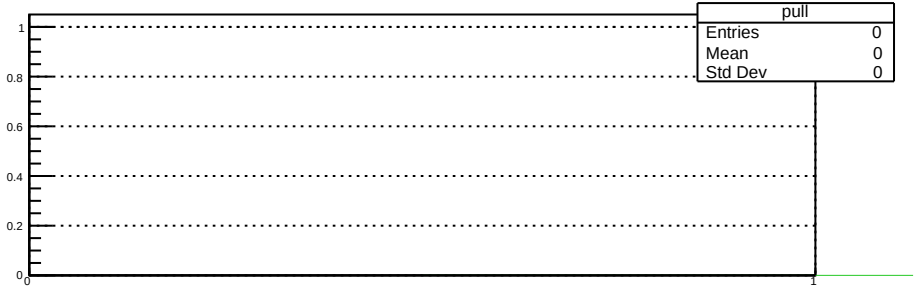

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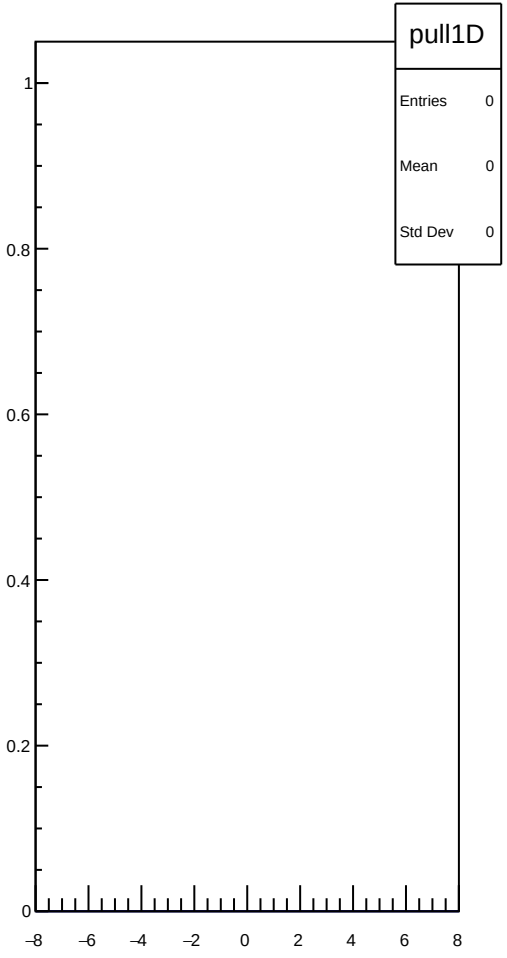

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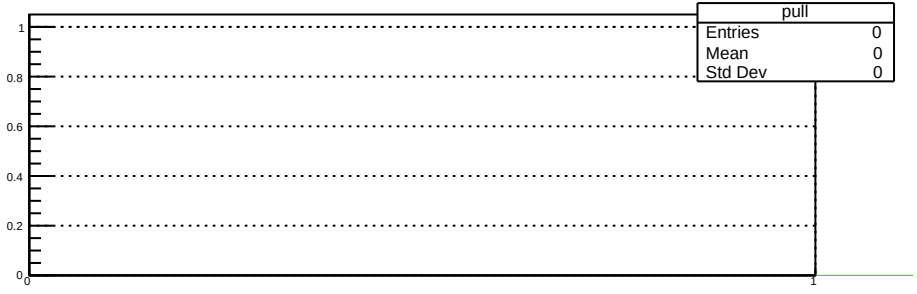

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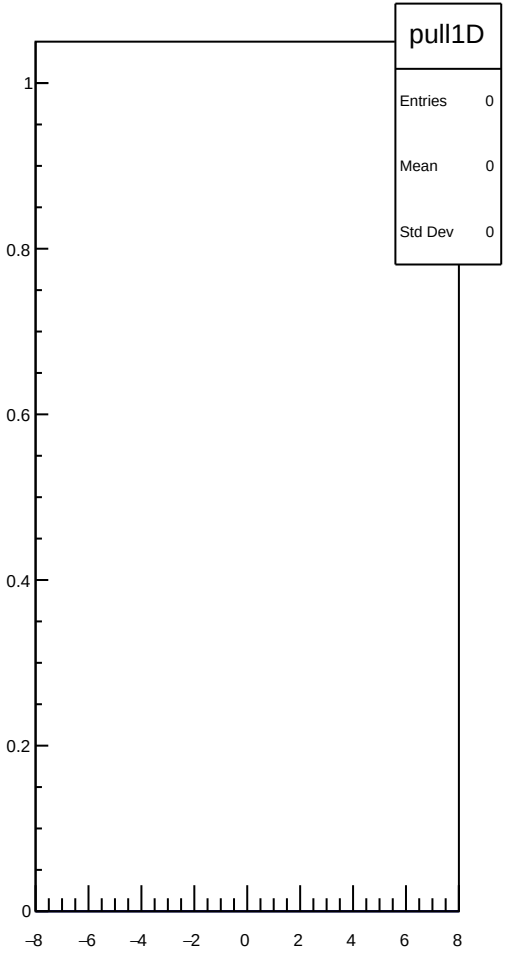

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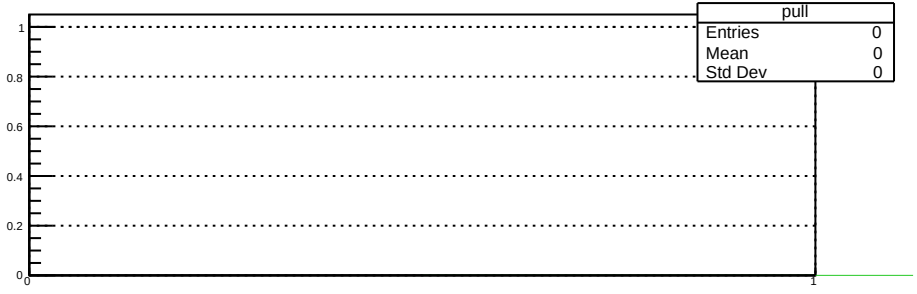

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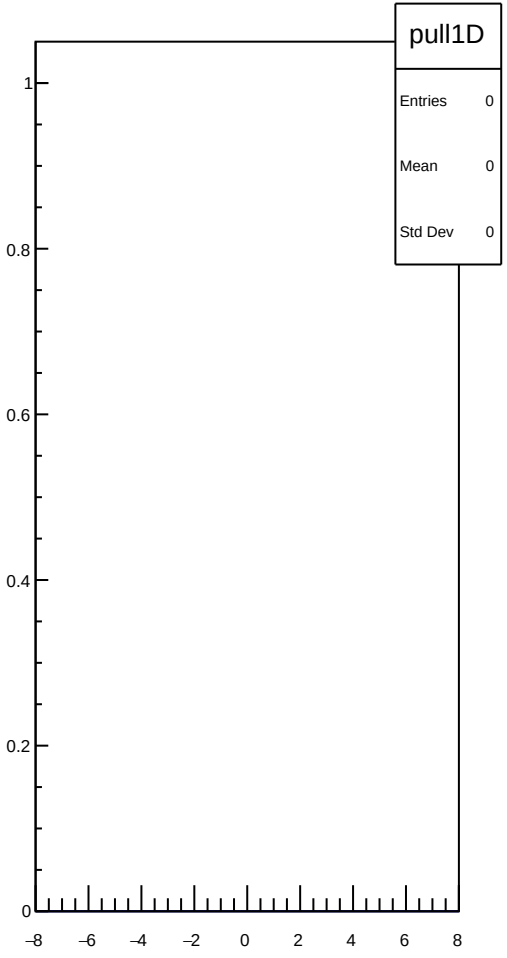

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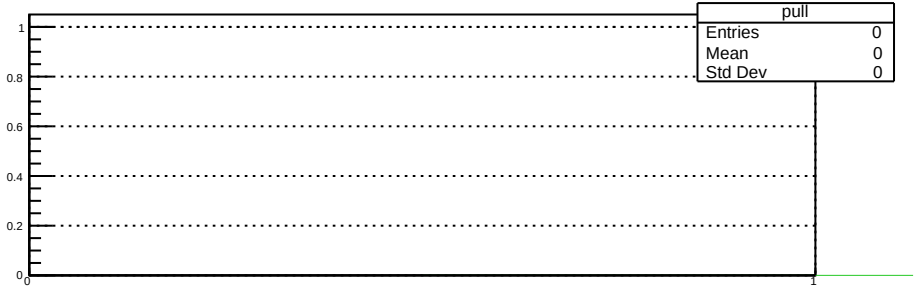

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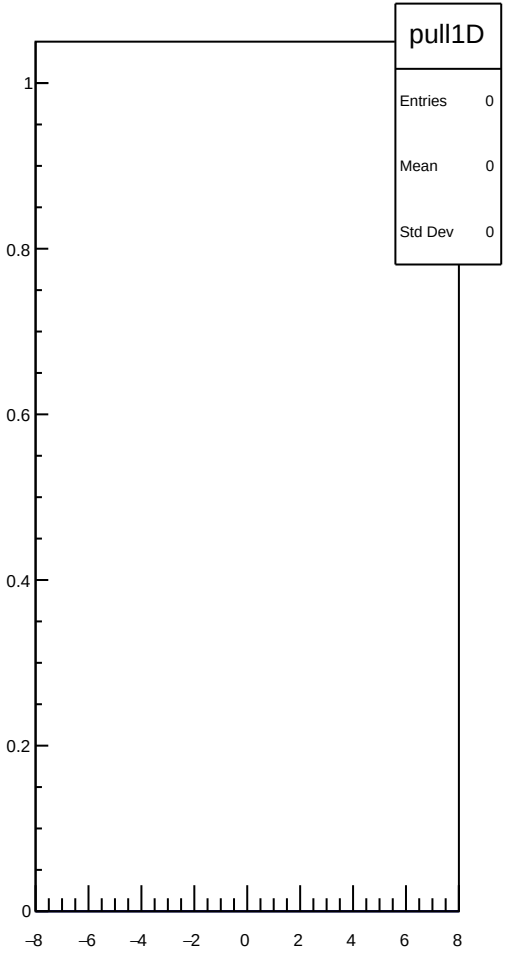

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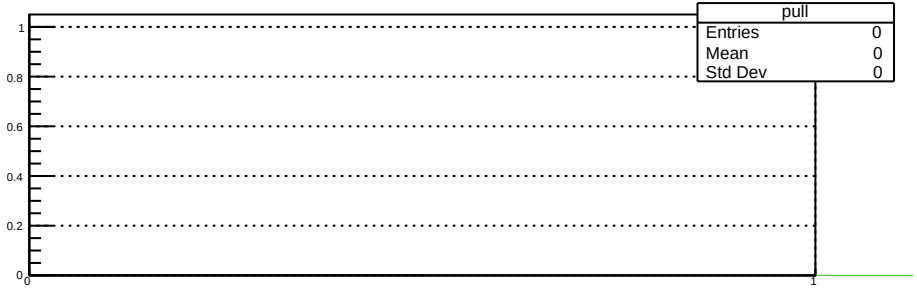

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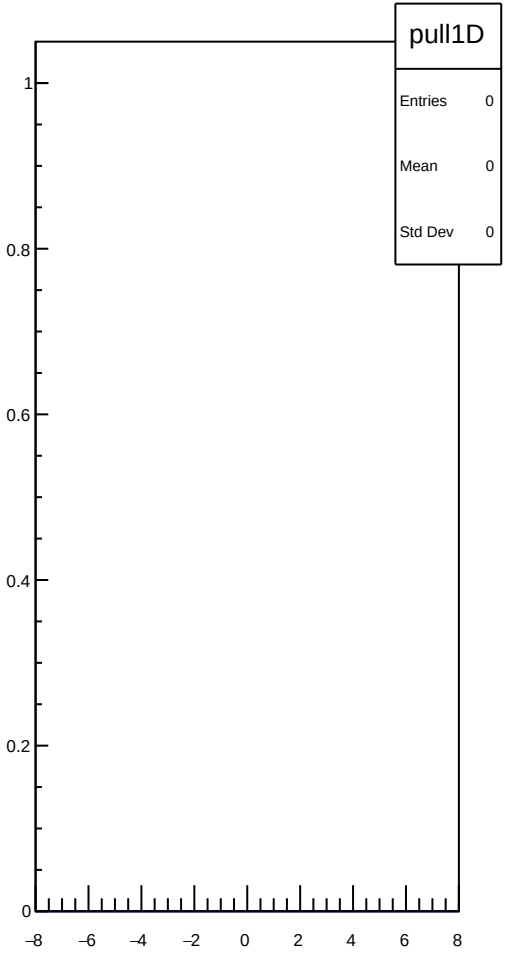

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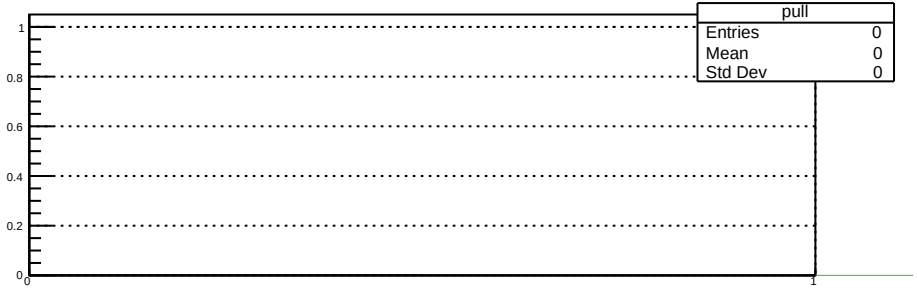

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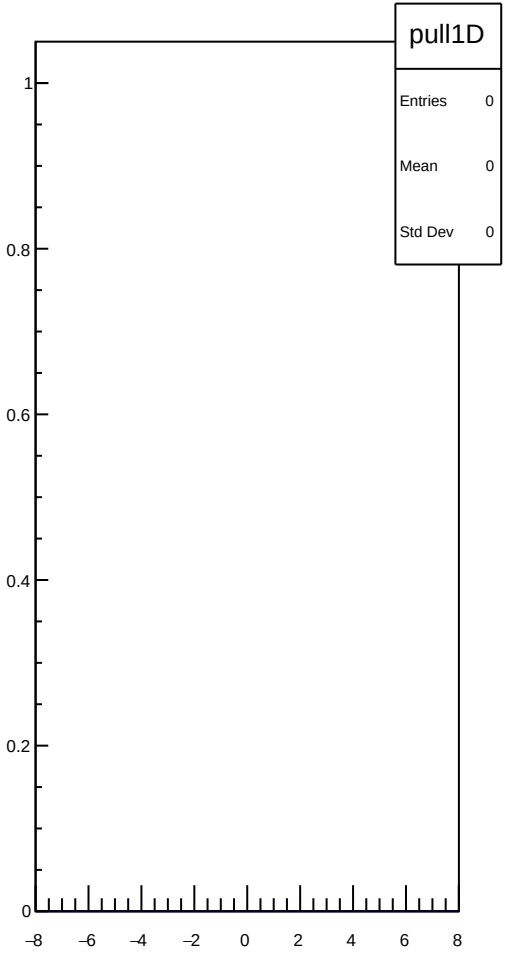

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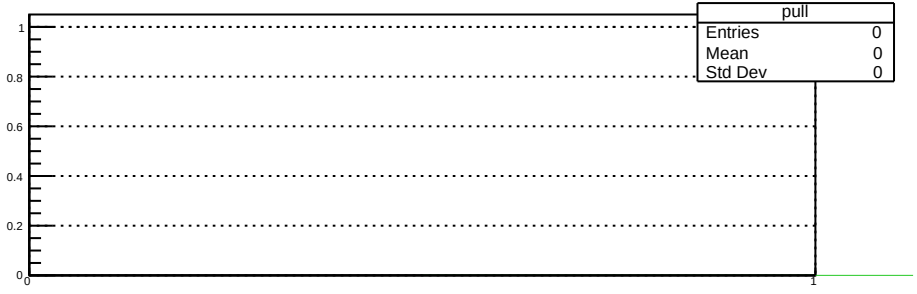

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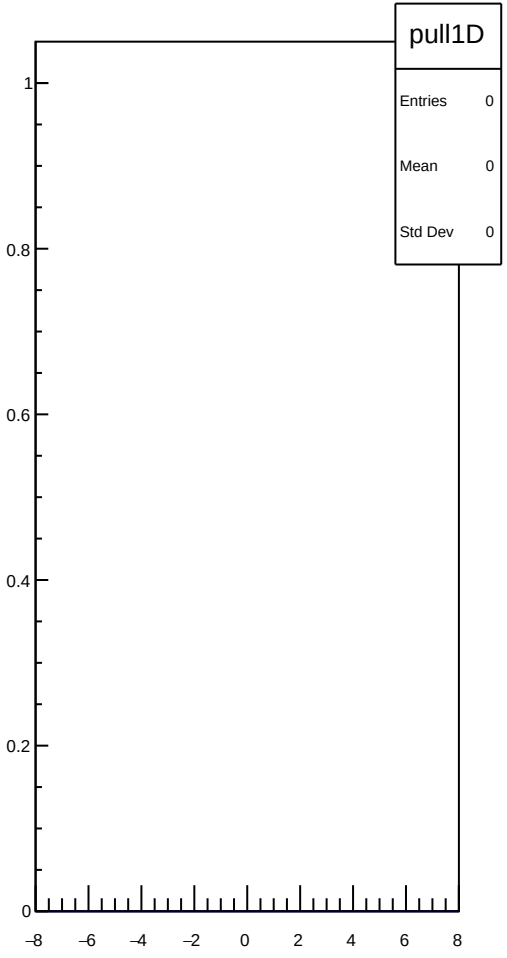

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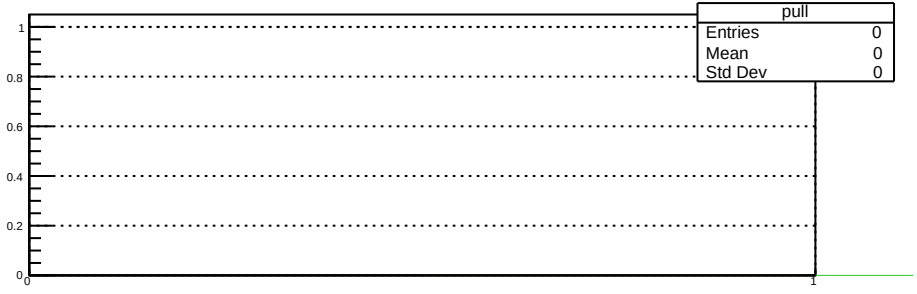

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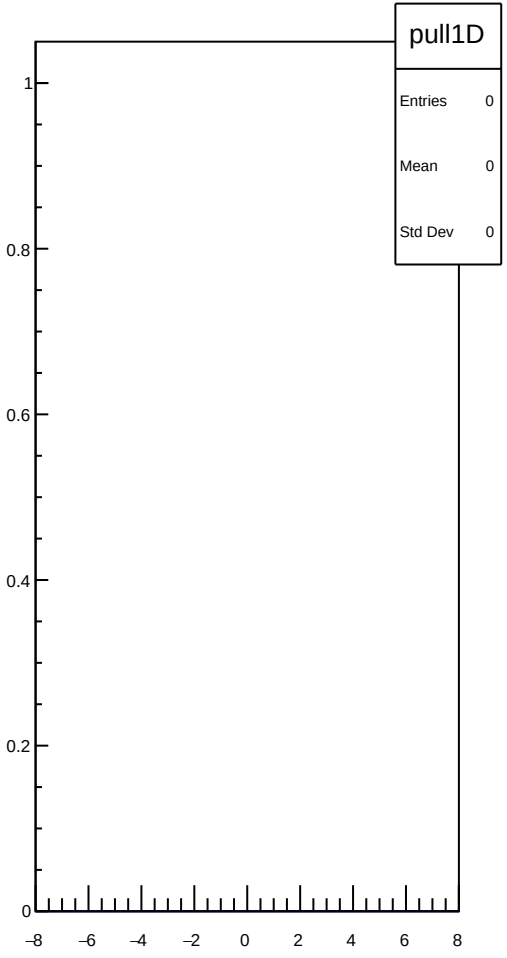

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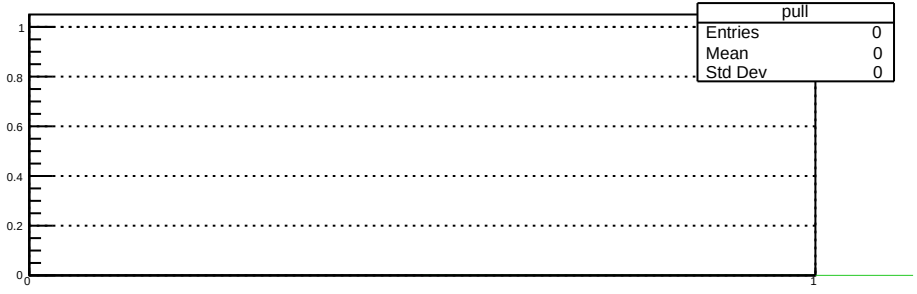

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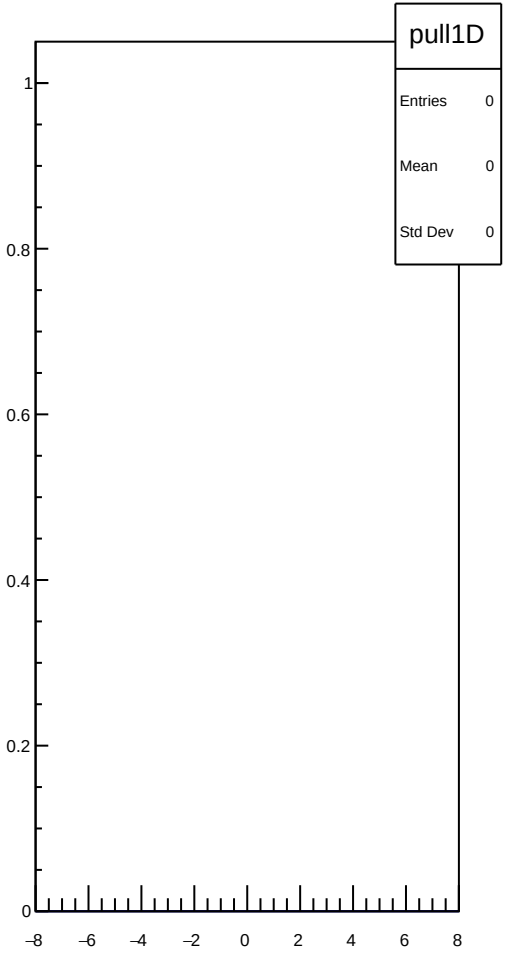

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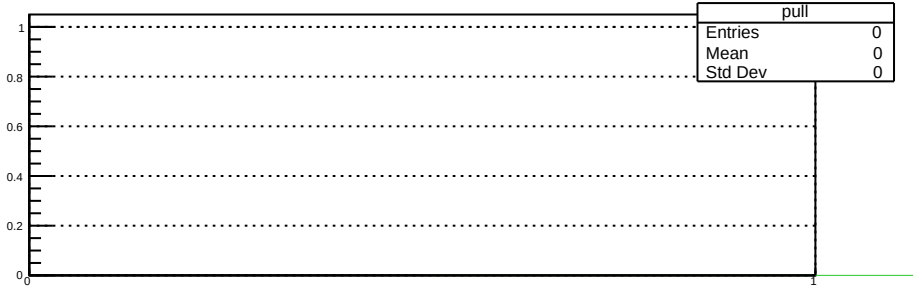

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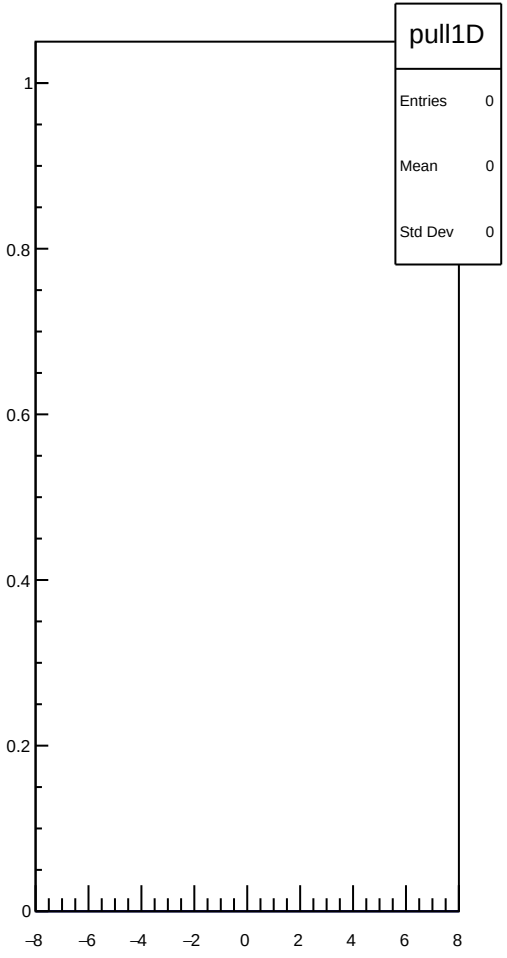

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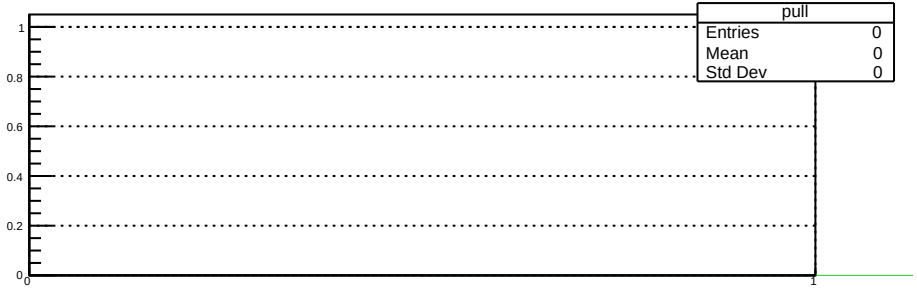

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Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

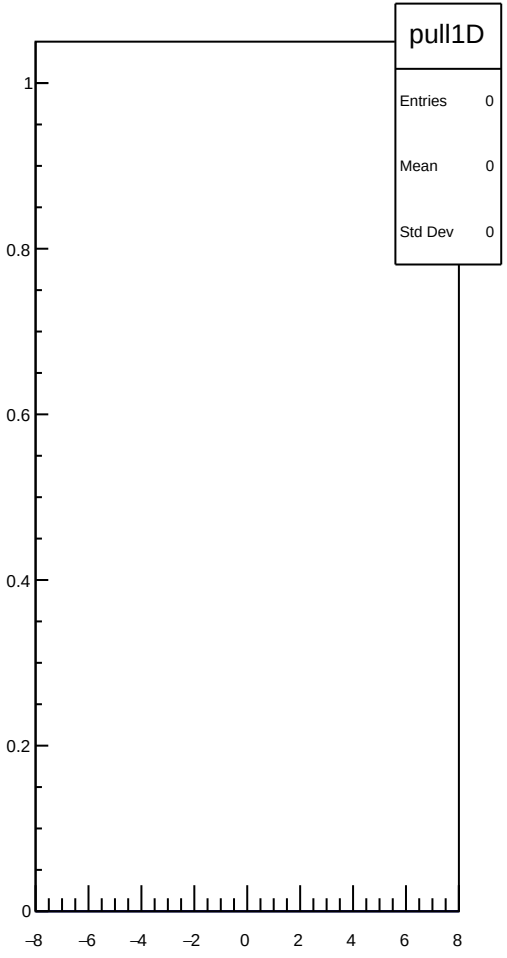

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

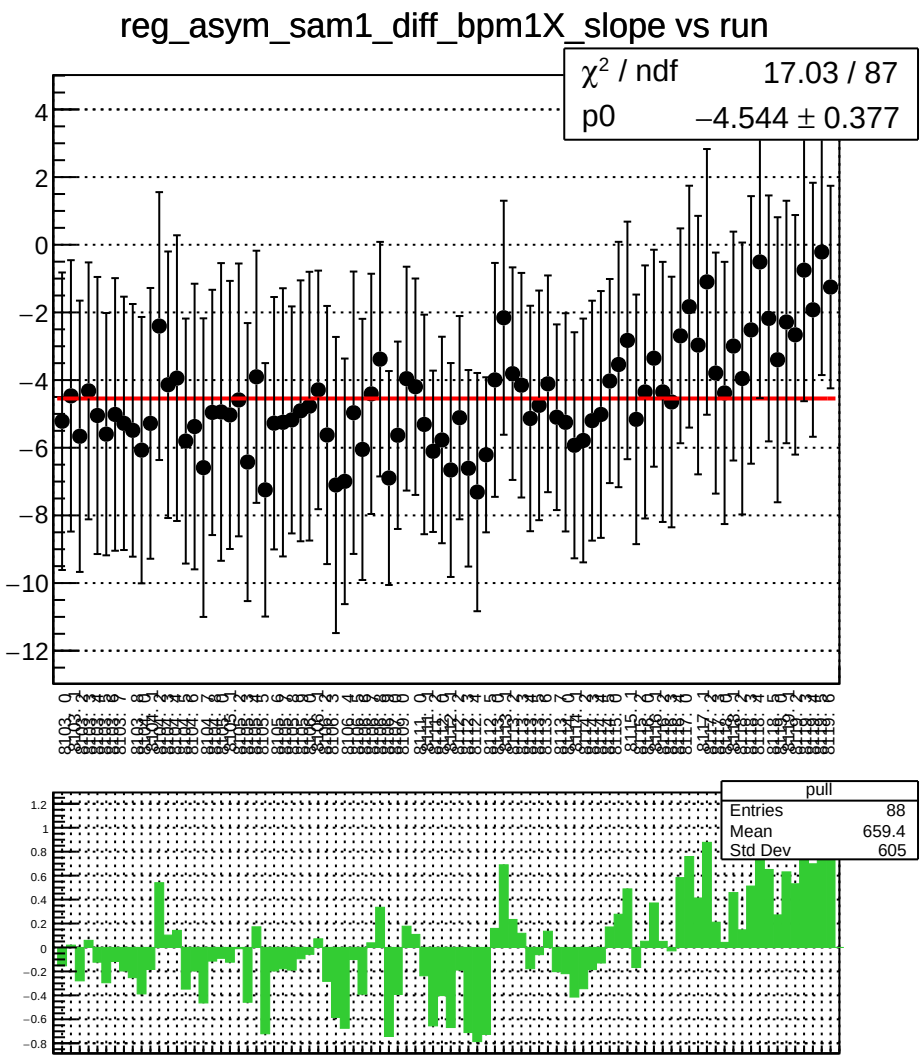

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

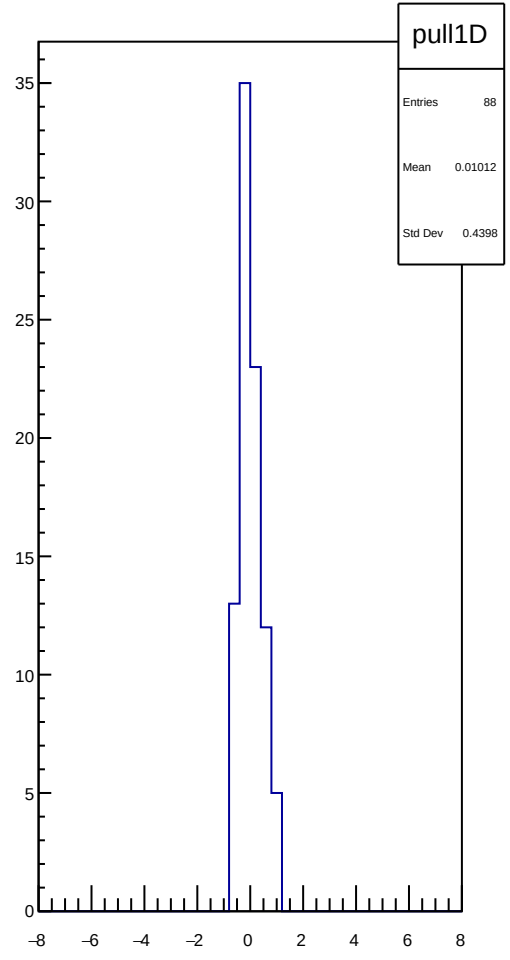

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

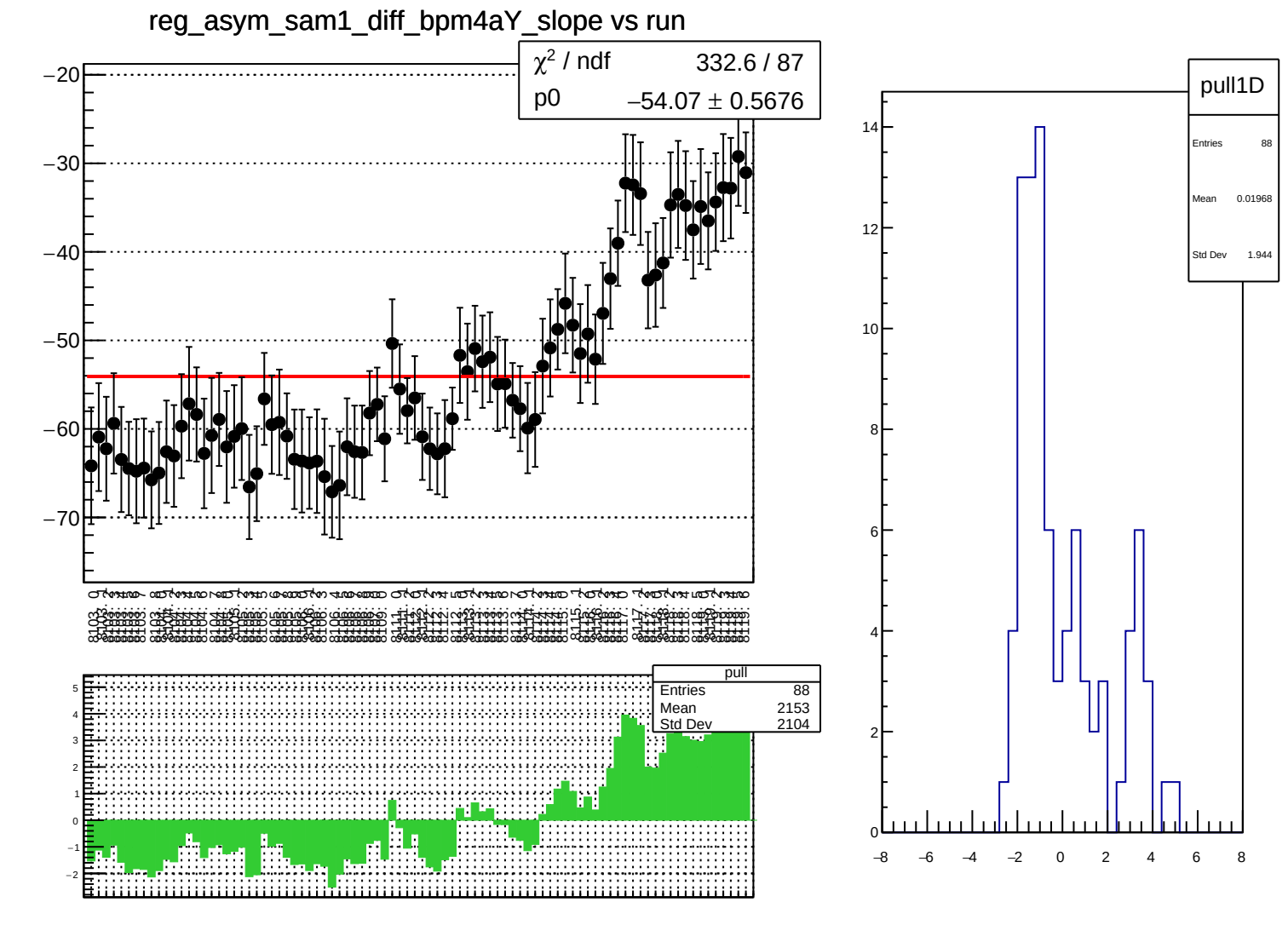

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

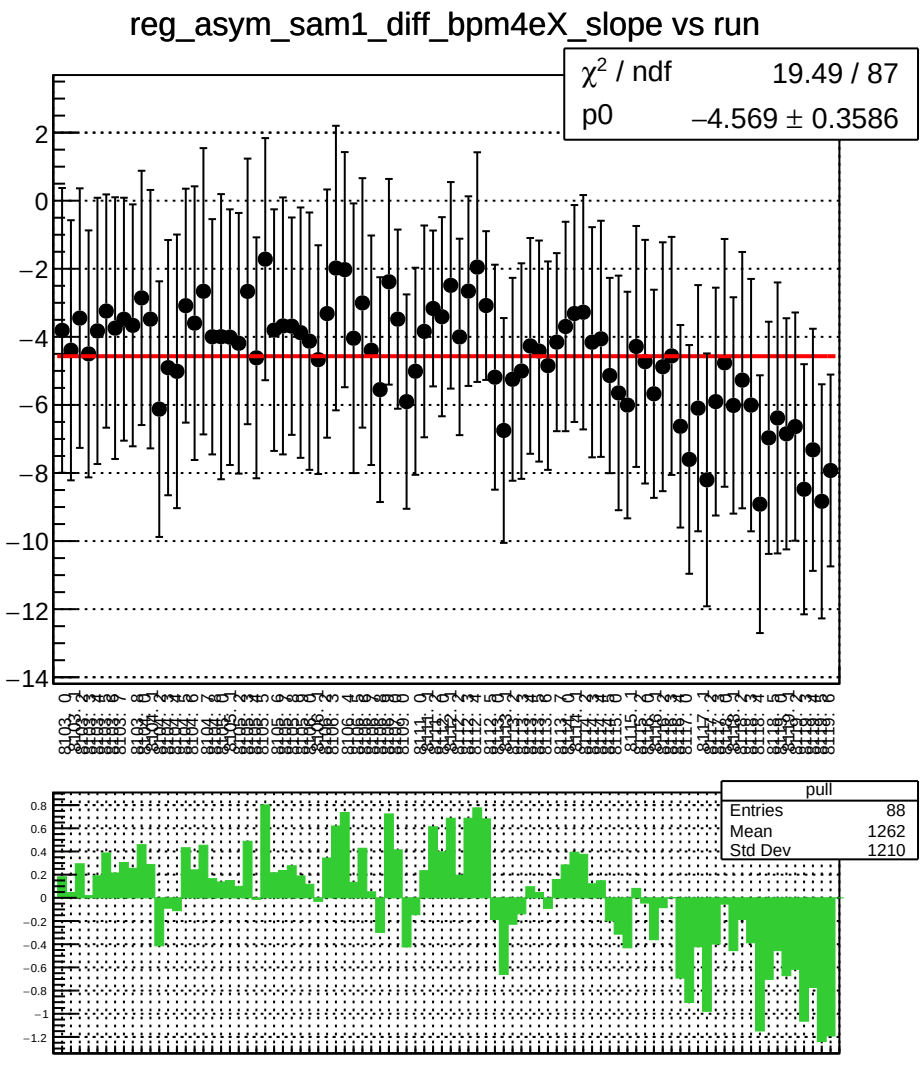

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

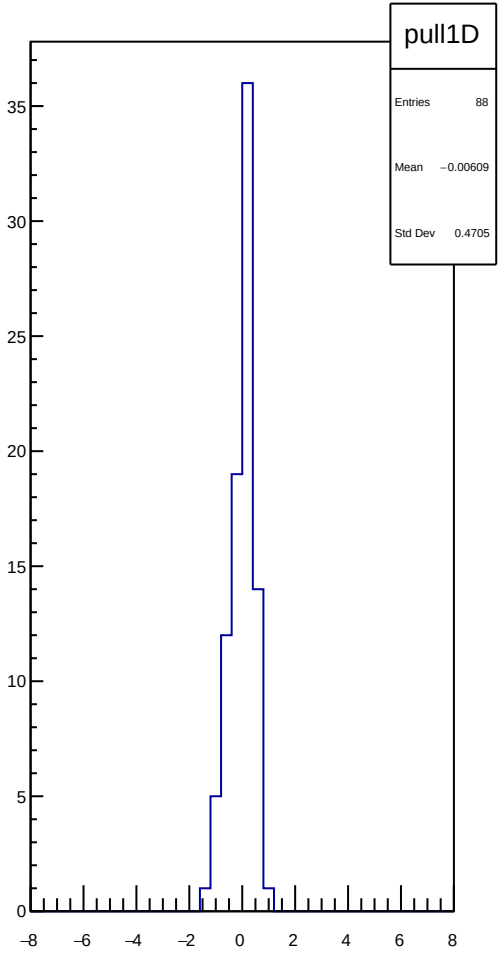

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

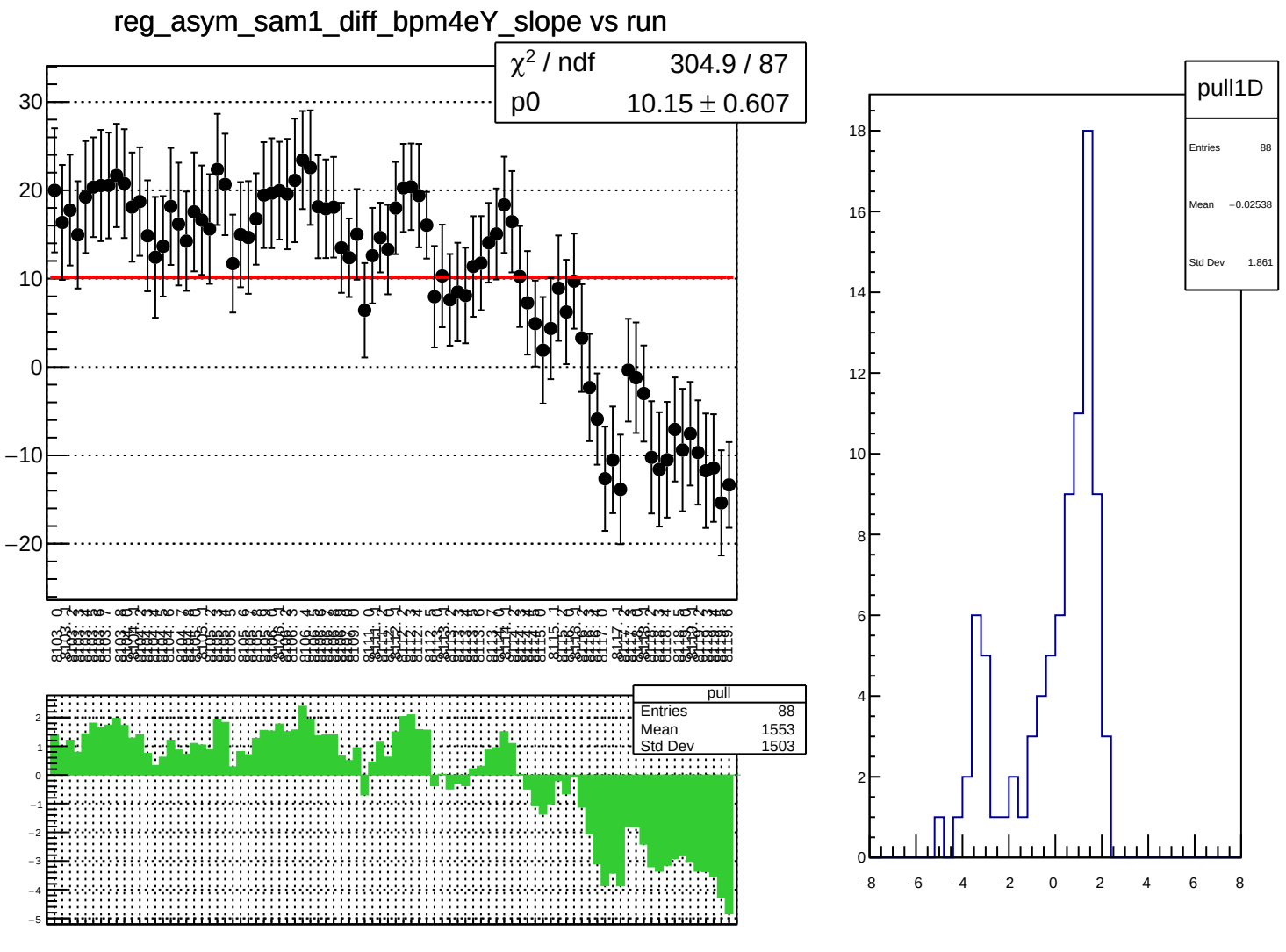

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 17.03 / 87
p0 −4.544 ± 0.377
pull
Entries 88
Mean 659.4
Std Dev 605

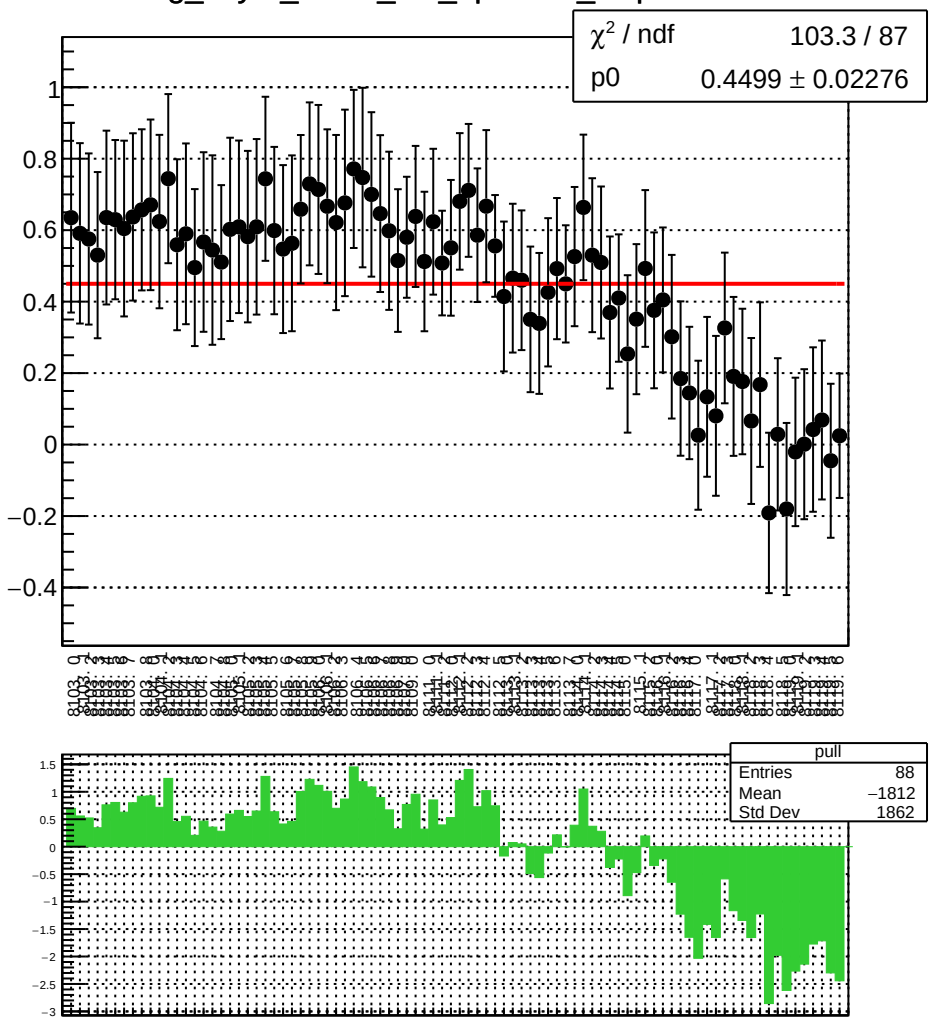

pull1D
Entries 88
Mean 0.01012
Std Dev 0.4398

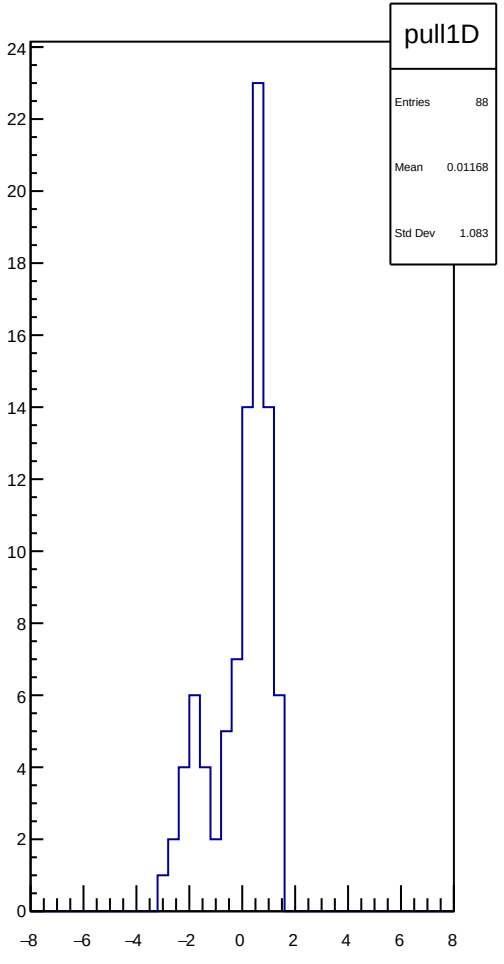

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 332.6 / 87
p0 −54.07 ± 0.5676
pull
Entries 88
Mean 2153
Std Dev 2104
pull1D
Entries 88
Mean 0.01968
Std Dev 1.944

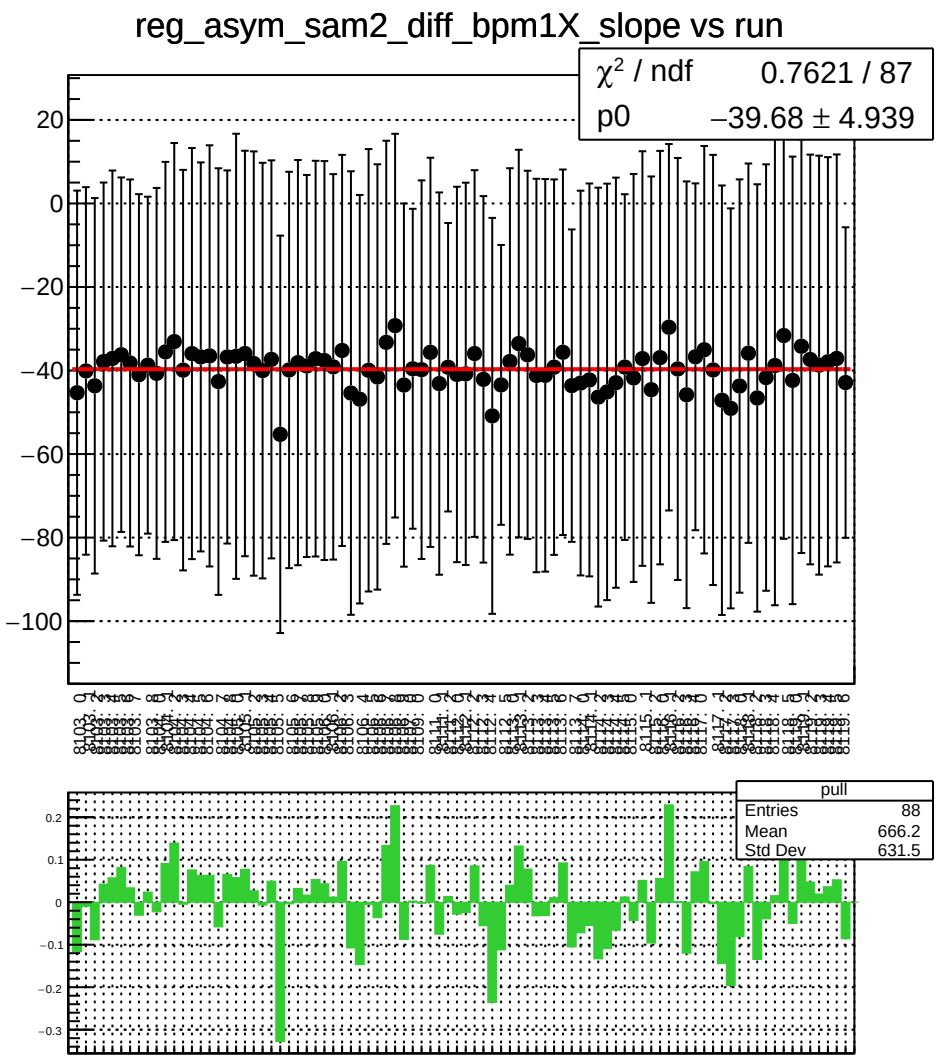

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 19.49 / 87
p0 −4.569 ± 0.3586
pull
Entries 88
Mean 1262
Std Dev 1210

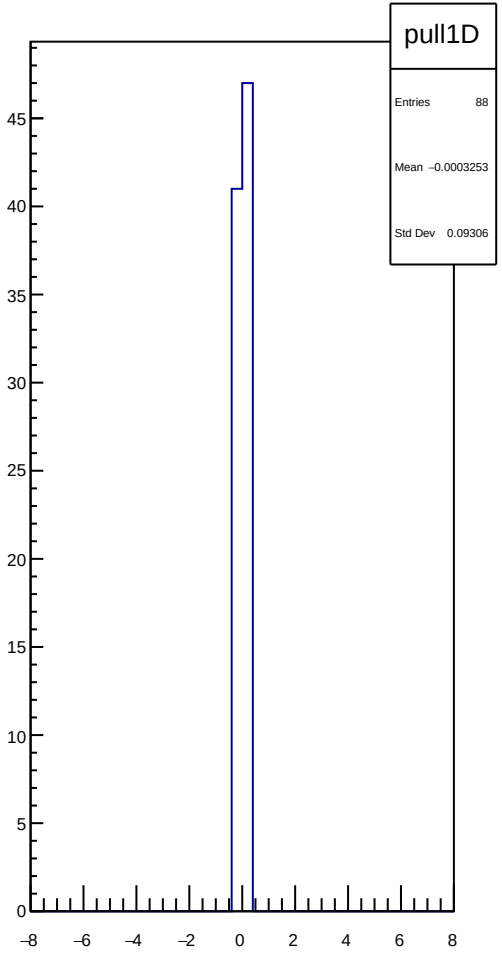

pull1D
Entries 88
Mean −0.00609
Std Dev 0.4705

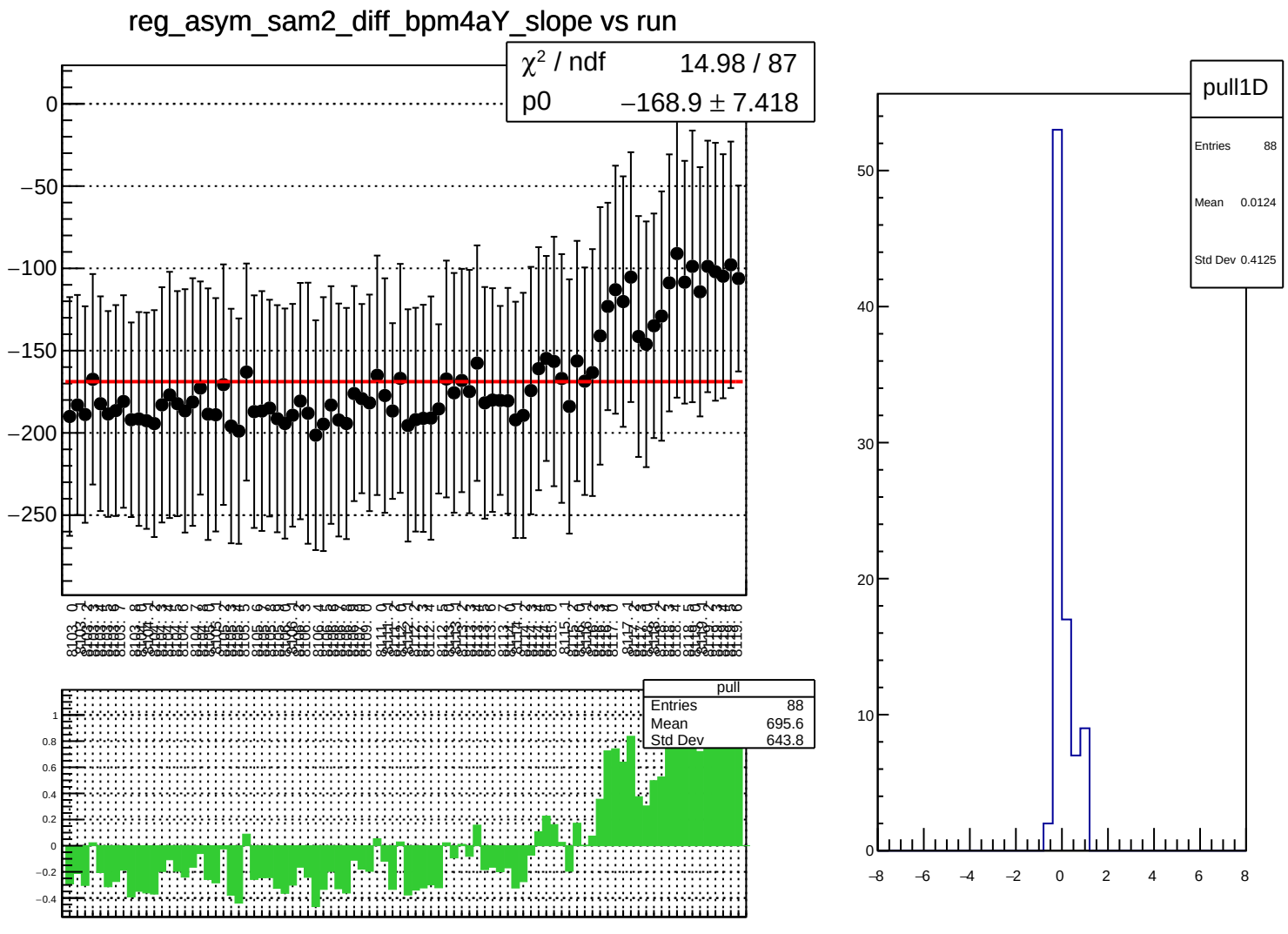

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 304.9 / 87
p0 10.15 ± 0.607
pull
Entries 88
Mean 1553
Std Dev 1503
pull1D
Entries 88
Mean −0.02538
Std Dev 1.861

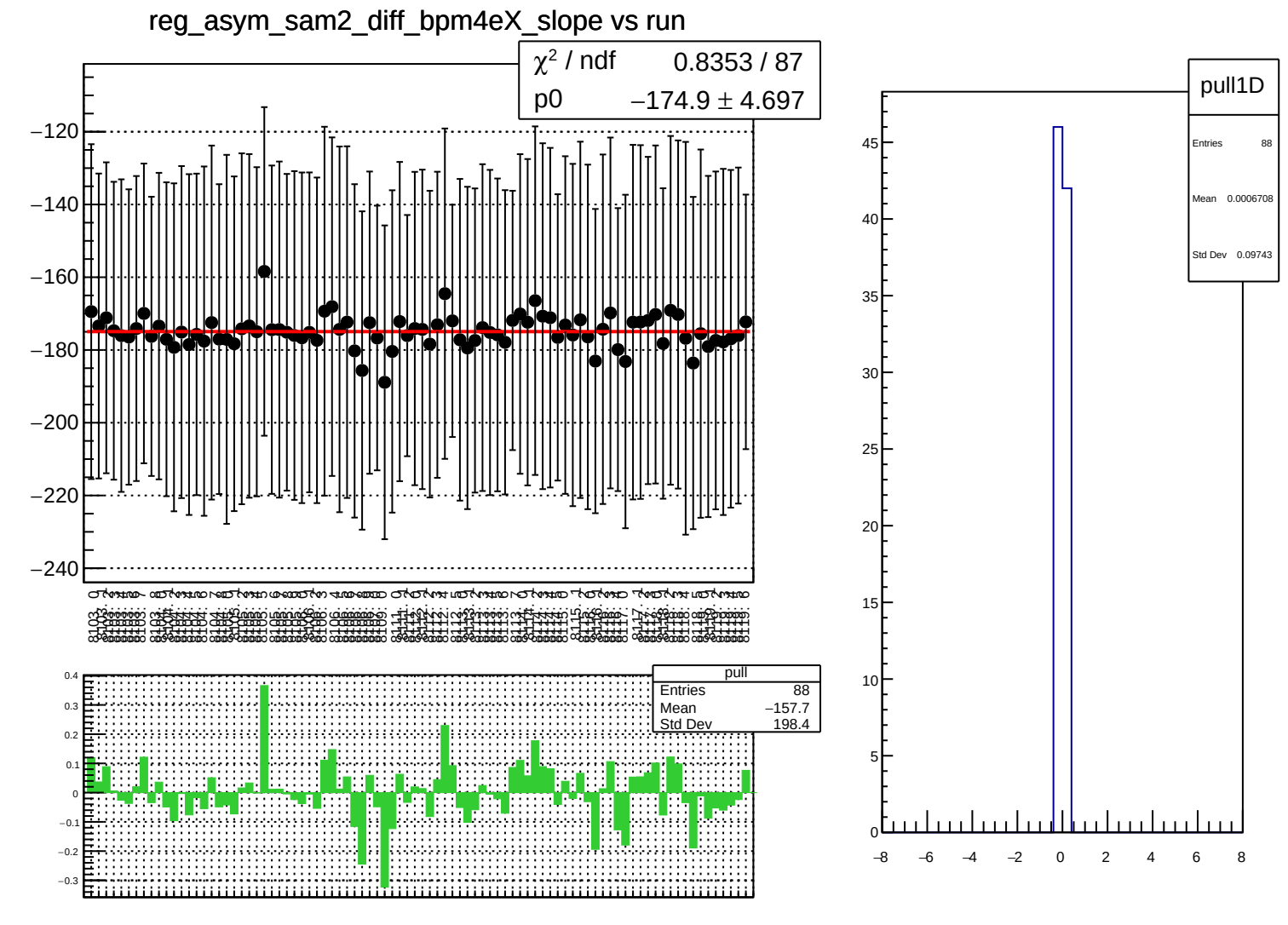

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 103.3 / 87
p0 0.4499 ± 0.02276
pull
Entries 88
Mean −1812
Std Dev 1862

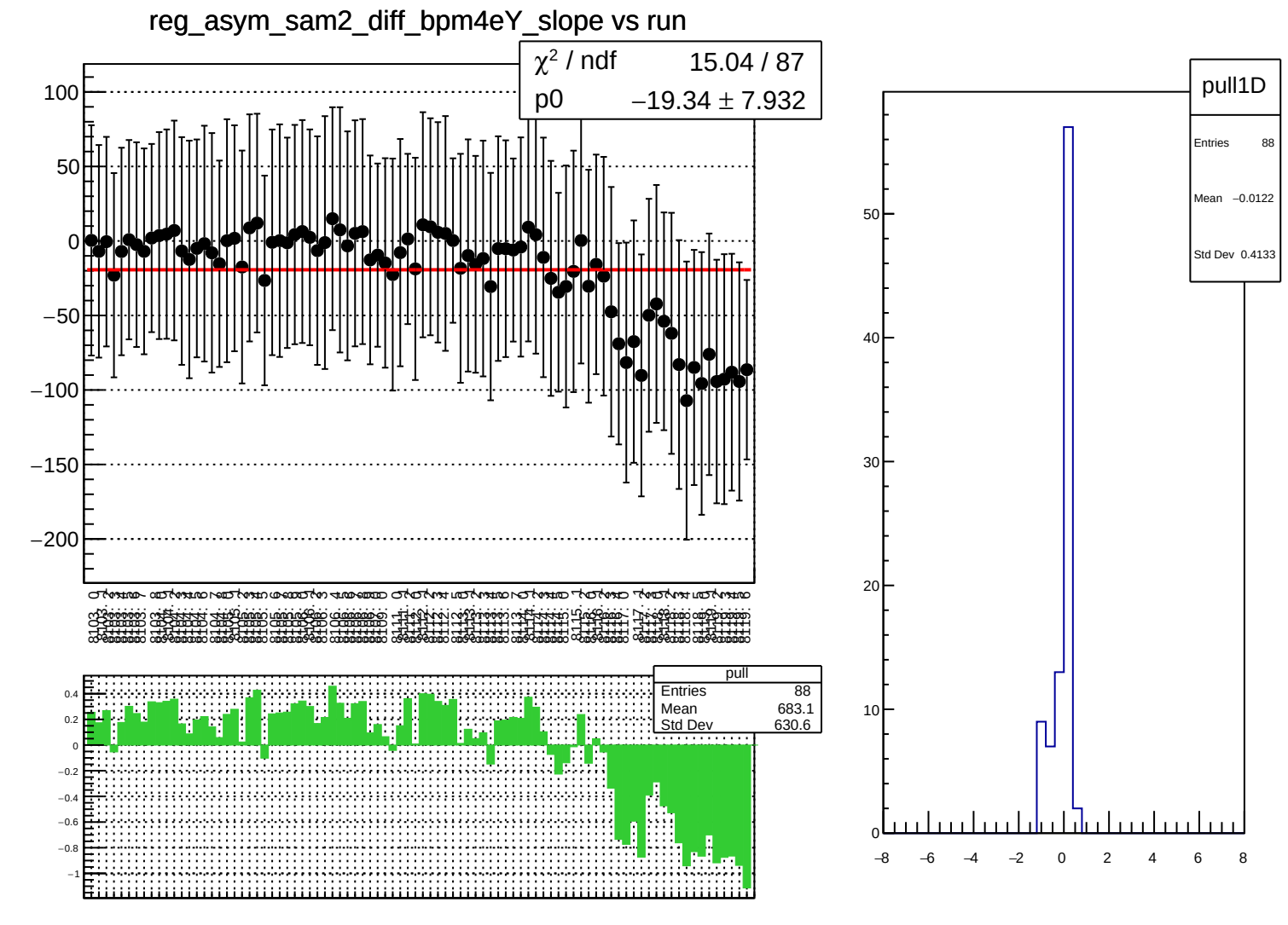

pull1D
Entries 88
Mean 0.01168
Std Dev 1.083

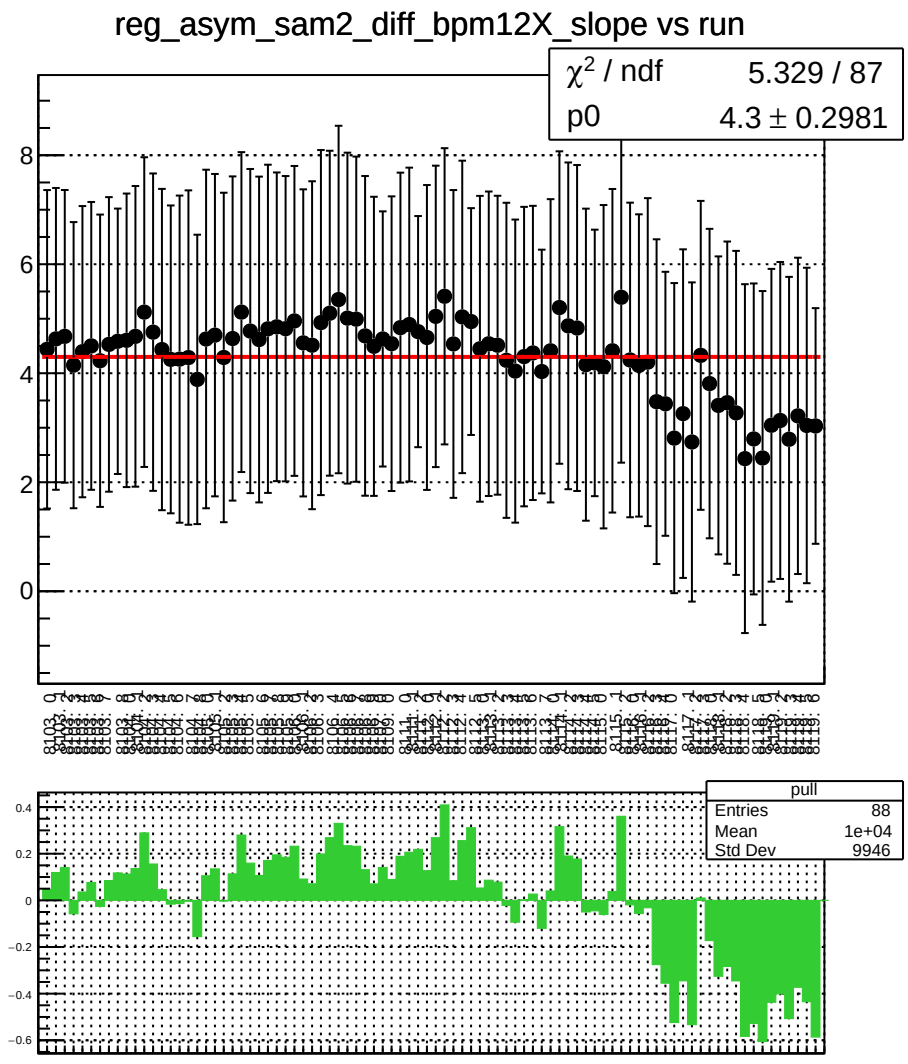

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 0.7621 / 87
p0 −39.68 ± 4.939
pull
Entries 88
Mean 666.2
Std Dev 631.5

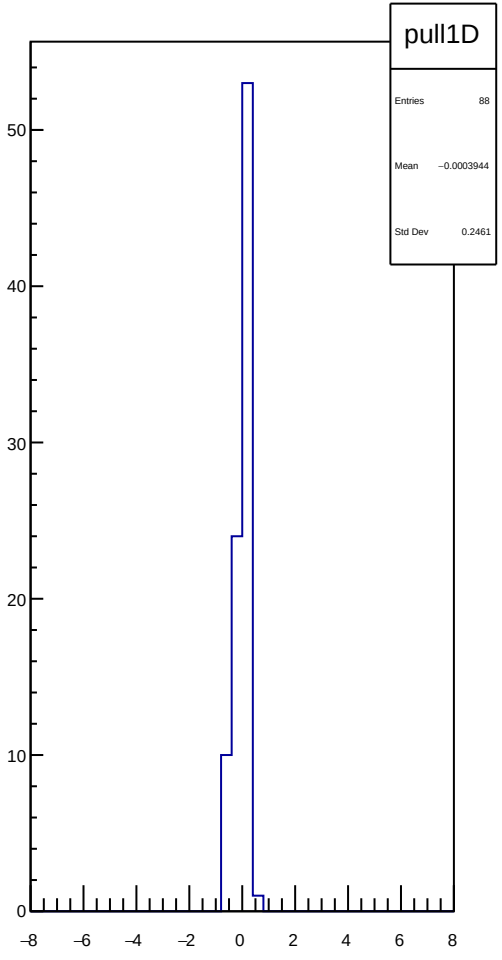

pull1D
Entries 88
Mean −0.0003253
Std Dev 0.09306

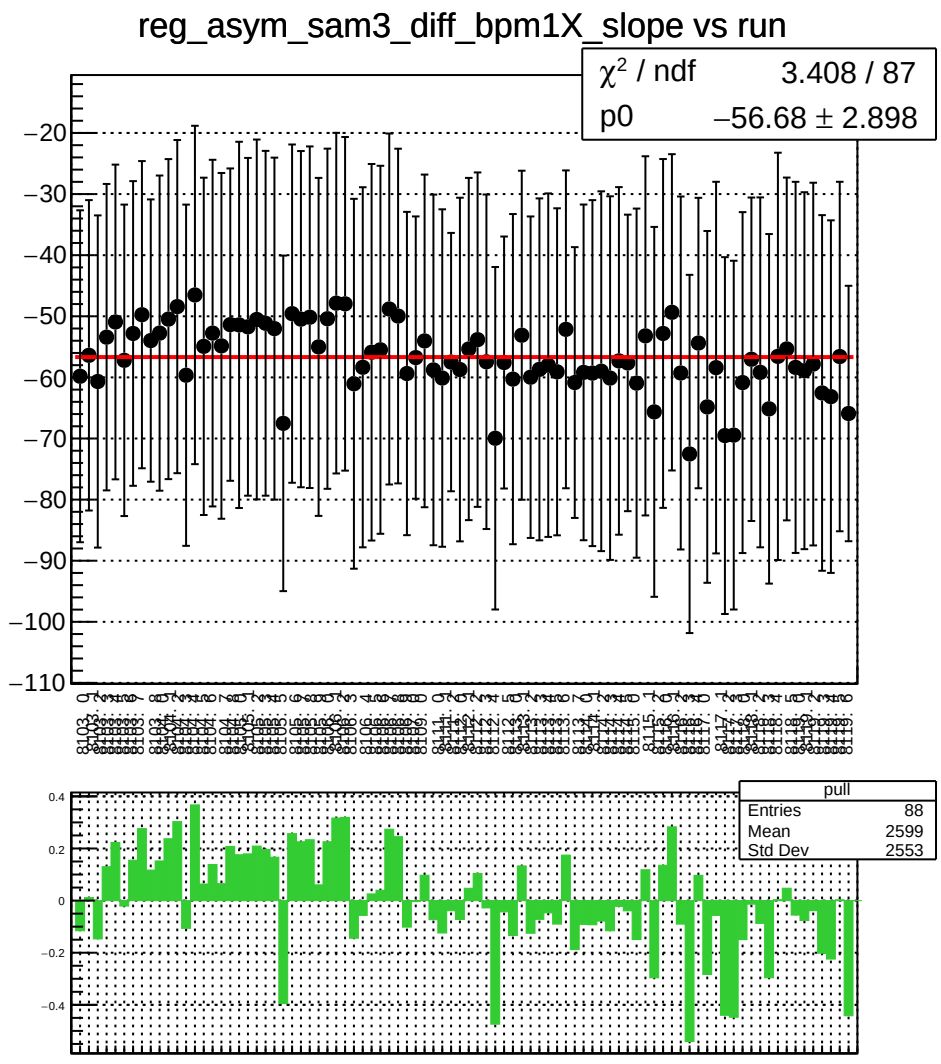

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.98 / 87
p0 −168.9 ± 7.418
0
−50
−100
−150
−200
−250
pull
Entries 88
Mean 695.6
Std Dev 643.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 88
Mean 0.0124
Std Dev 0.4125
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

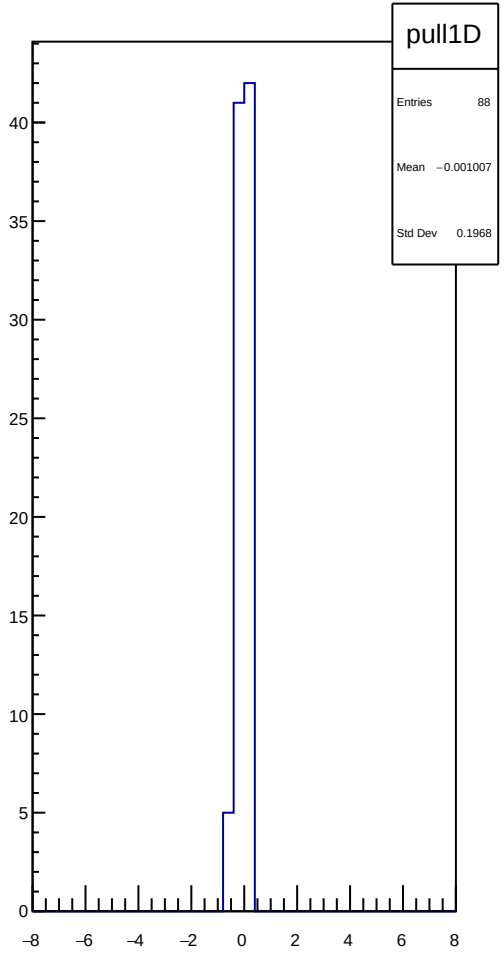

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.8353 / 87
p0 −174.9 ± 4.697
pull
Entries 88
Mean −157.7
Std Dev 198.4
pull1D
Entries 88
Mean 0.0006708
Std Dev 0.09743

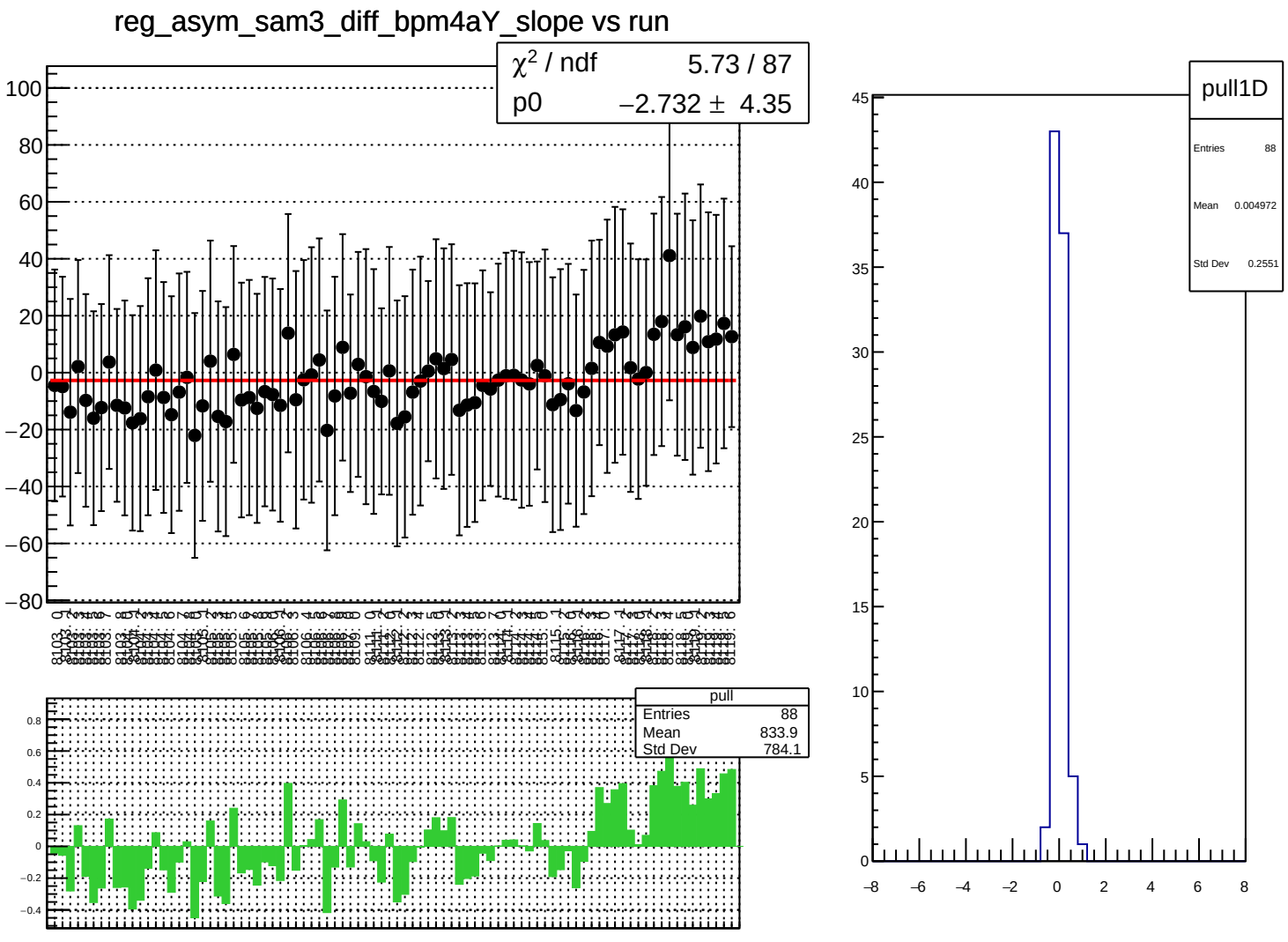

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 15.04 / 87
p0 −19.34 ± 7.932
pull
Entries 88
Mean 683.1
Std Dev 630.6
pull1D
Entries 88
Mean −0.0122
Std Dev 0.4133

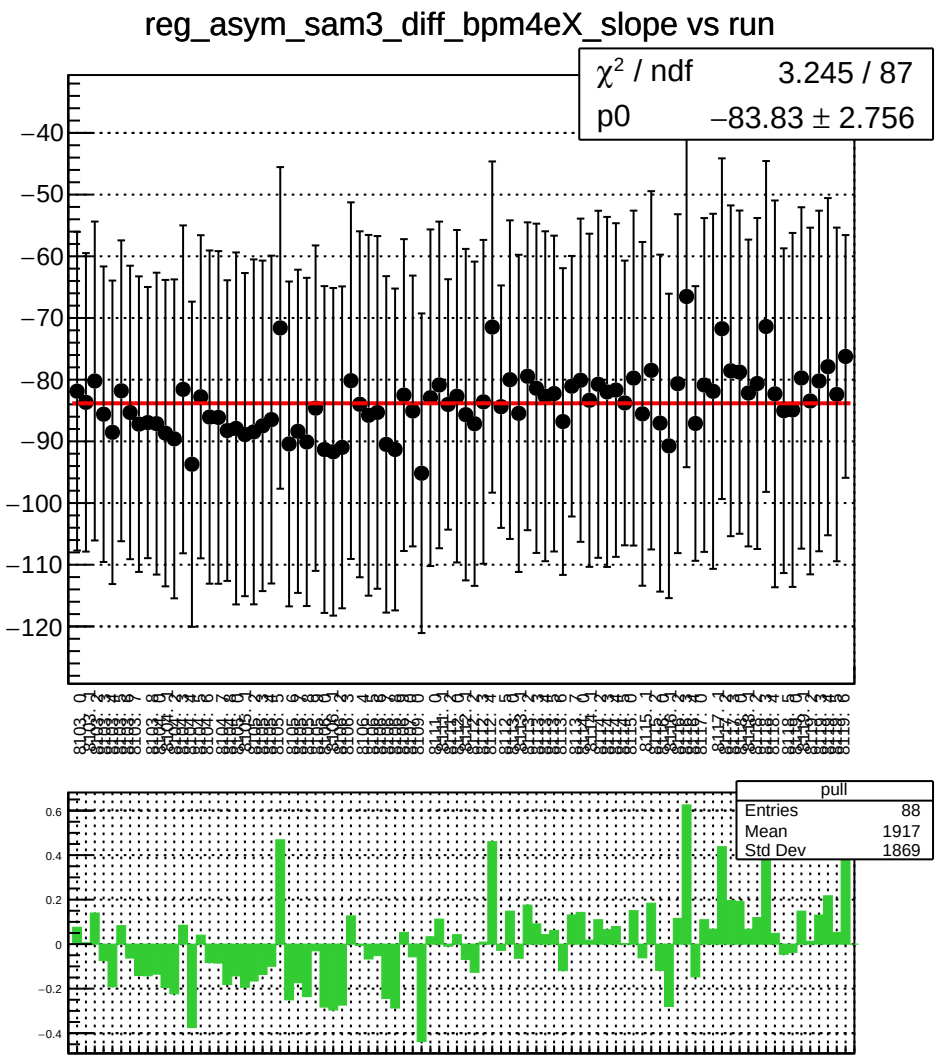

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 5.329 / 87
p0 4.3 ± 0.2981
pull
Entries 88
Mean 1e+04
Std Dev 9946

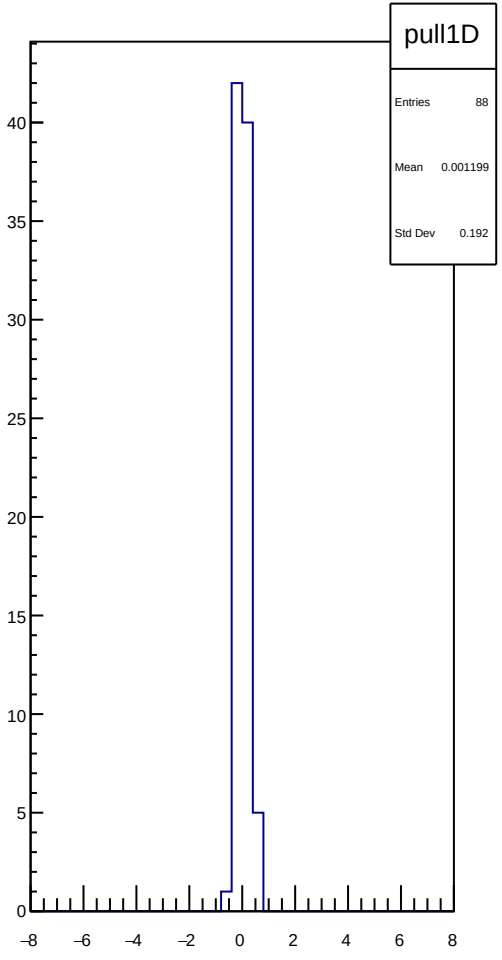

pull1D
Entries 88
Mean −0.0003944
Std Dev 0.2461

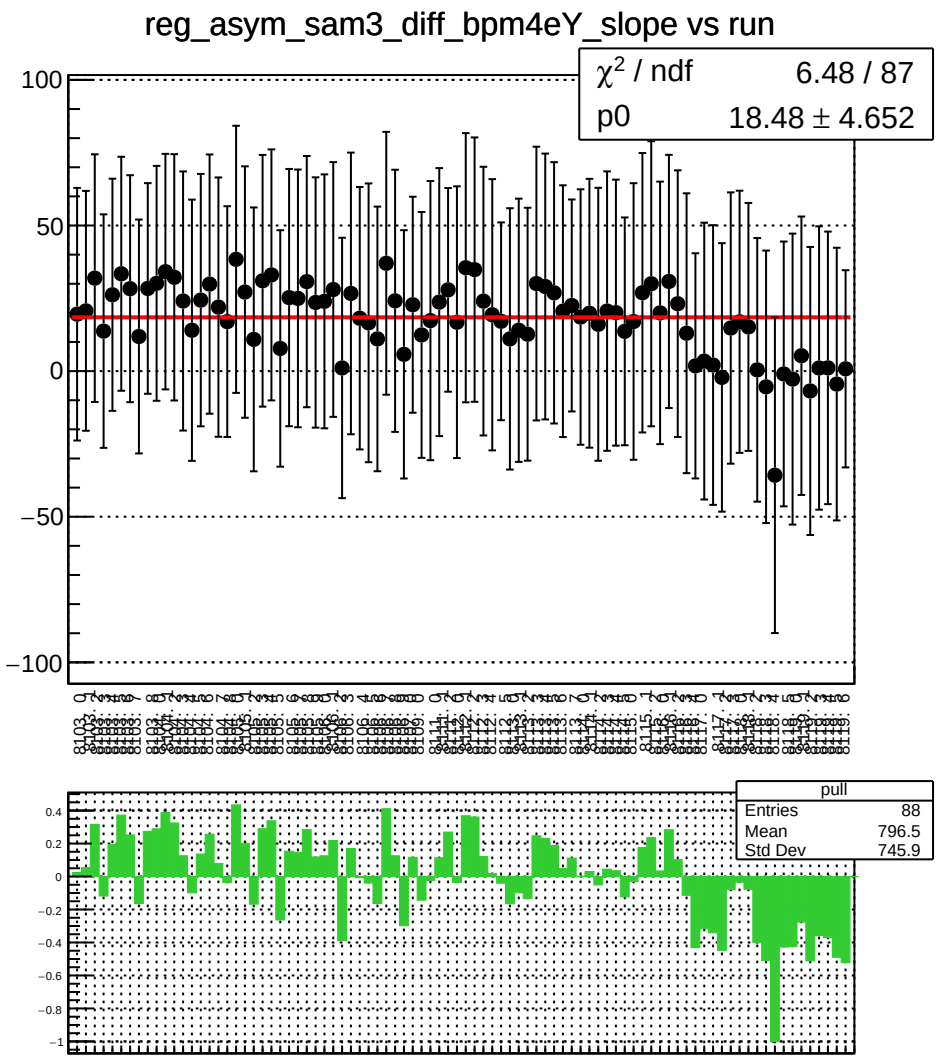

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.408 / 87
p0 −56.68 ± 2.898
pull
Entries 88
Mean 2599
Std Dev 2553

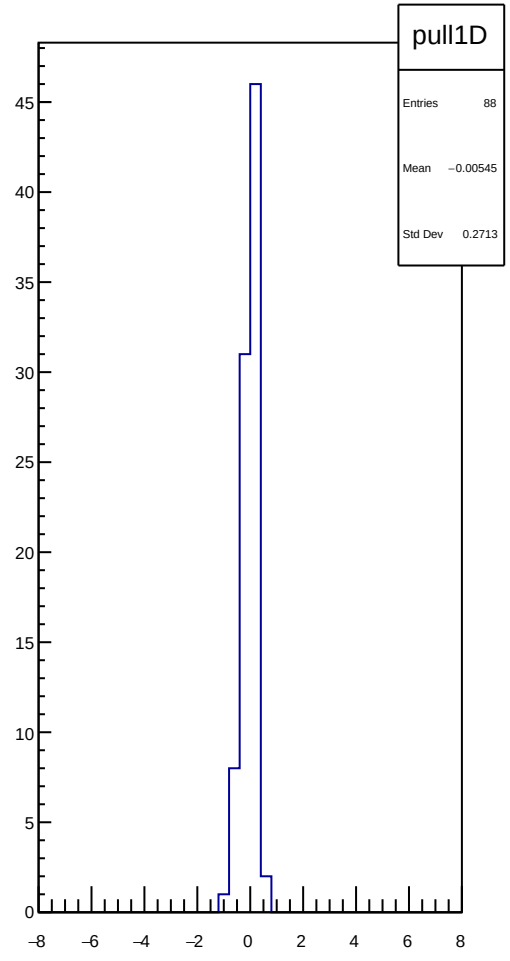

pull1D
Entries 88
Mean −0.001007
Std Dev 0.1968

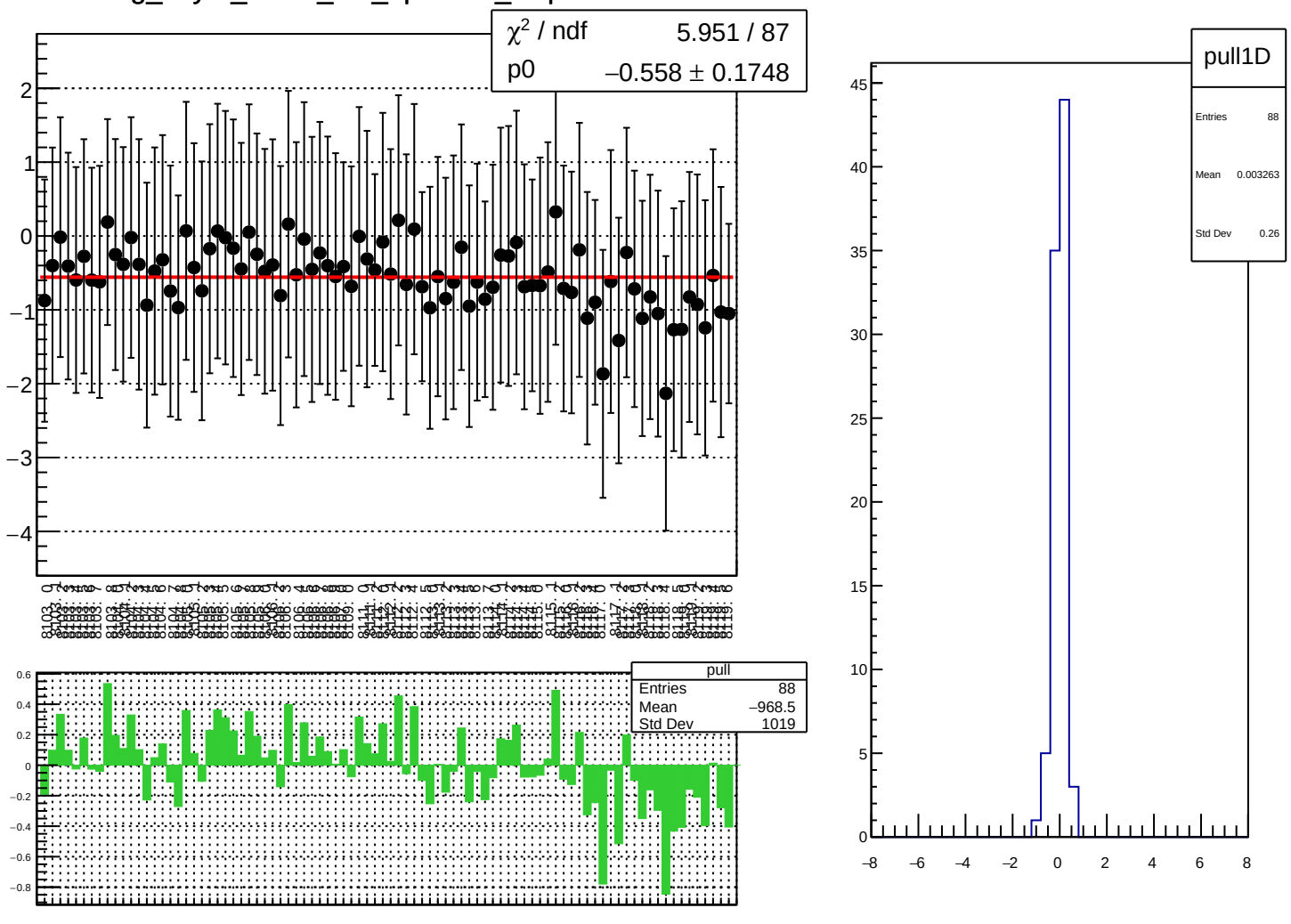

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 5.73 / 87
p0 −2.732 ± 4.35
pull
Entries 88
Mean 833.9
Std Dev 784.1
pull1D
Entries 88
Mean 0.004972
Std Dev 0.2551

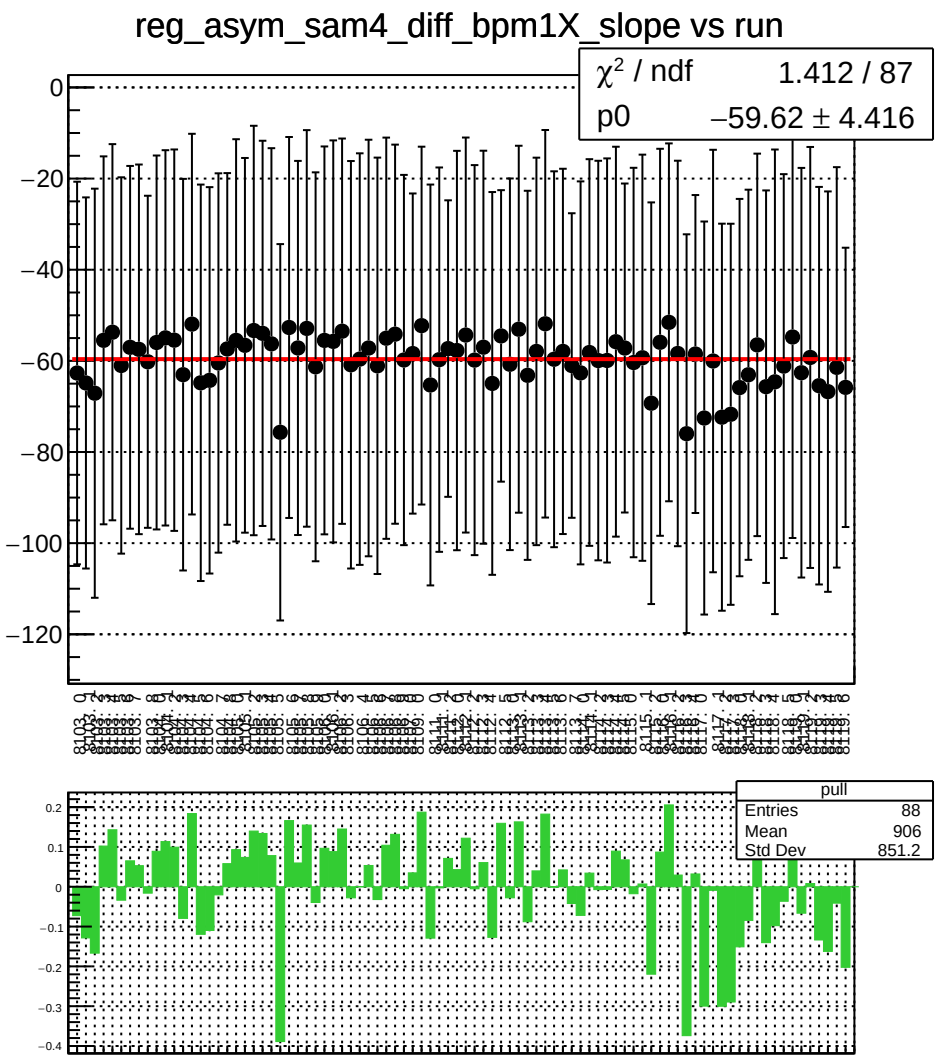

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 3.245 / 87
p0 −83.83 ± 2.756
pull
Entries 88
Mean 1917
Std Dev 1869

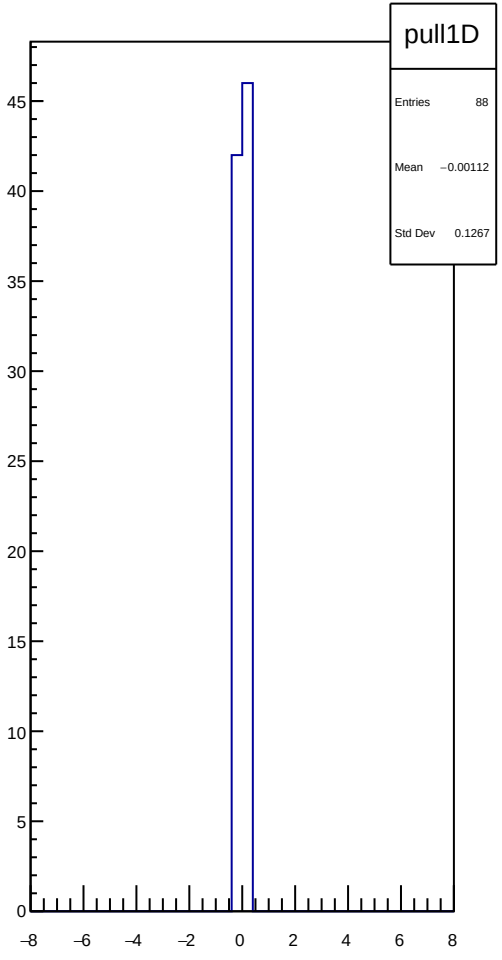

pull1D
Entries 88
Mean 0.001199
Std Dev 0.192

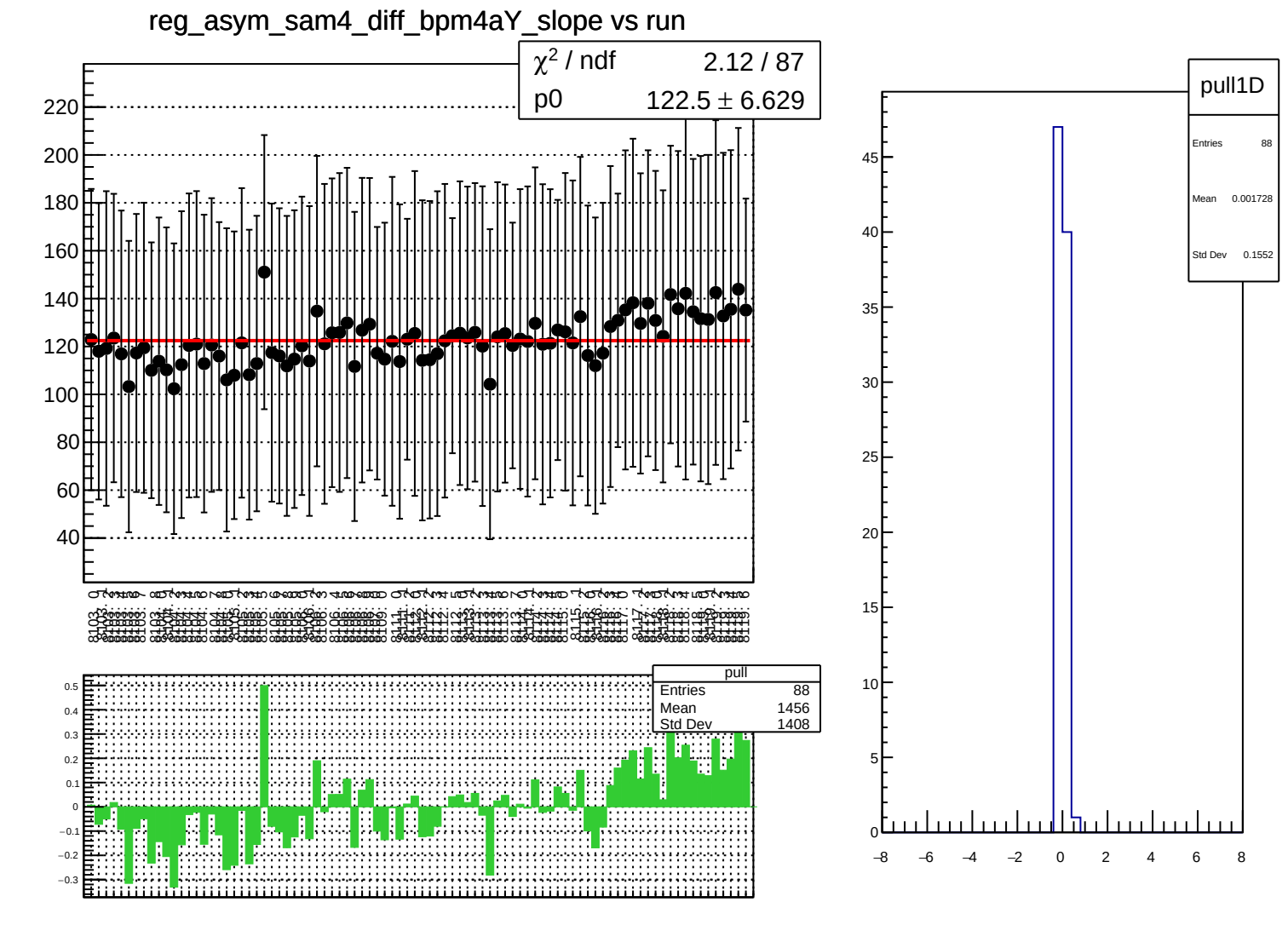

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 6.48 / 87
p0 18.48 ± 4.652
pull
Entries 88
Mean 796.5
Std Dev 745.9

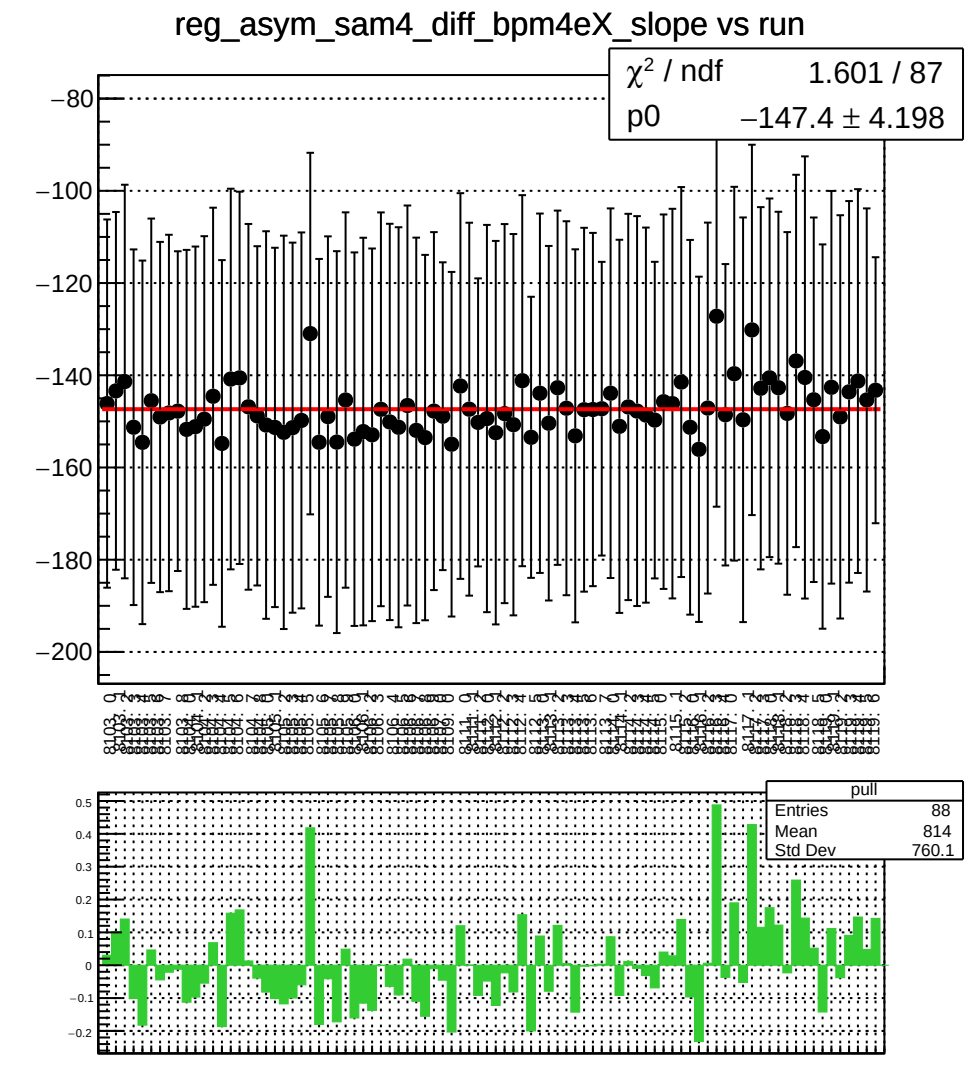

pull1D
Entries 88
Mean −0.00545
Std Dev 0.2713

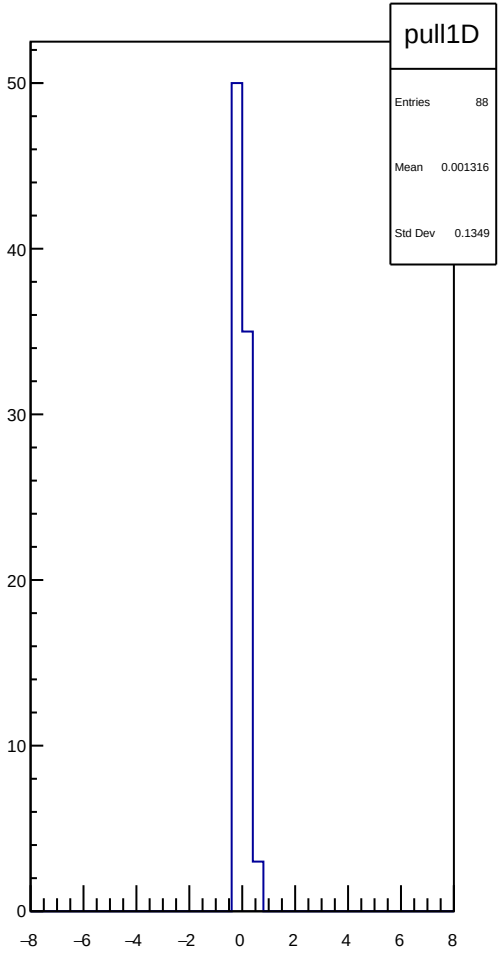

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 5.951 / 87
p0 −0.558 ± 0.1748
pull
Entries 88
Mean −968.5
Std Dev 1019
pull1D
Entries 88
Mean 0.003263
Std Dev 0.26

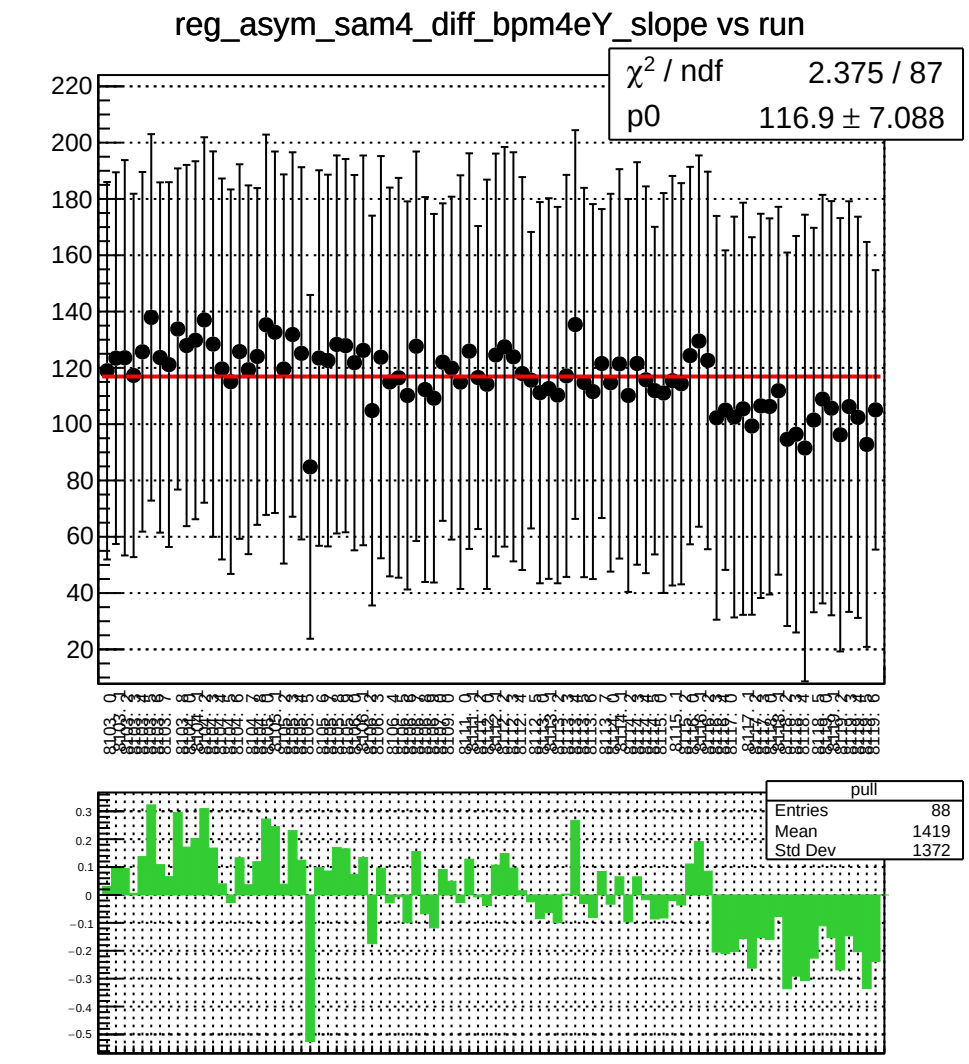

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.412 / 87
p0 −59.62 ± 4.416
pull
Entries 88
Mean 906
Std Dev 851.2

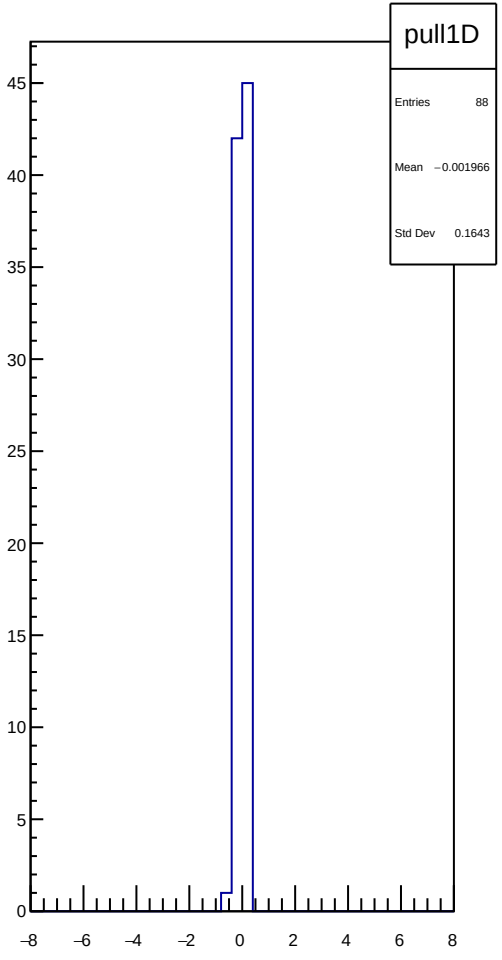

pull1D
Entries 88
Mean −0.00112
Std Dev 0.1267

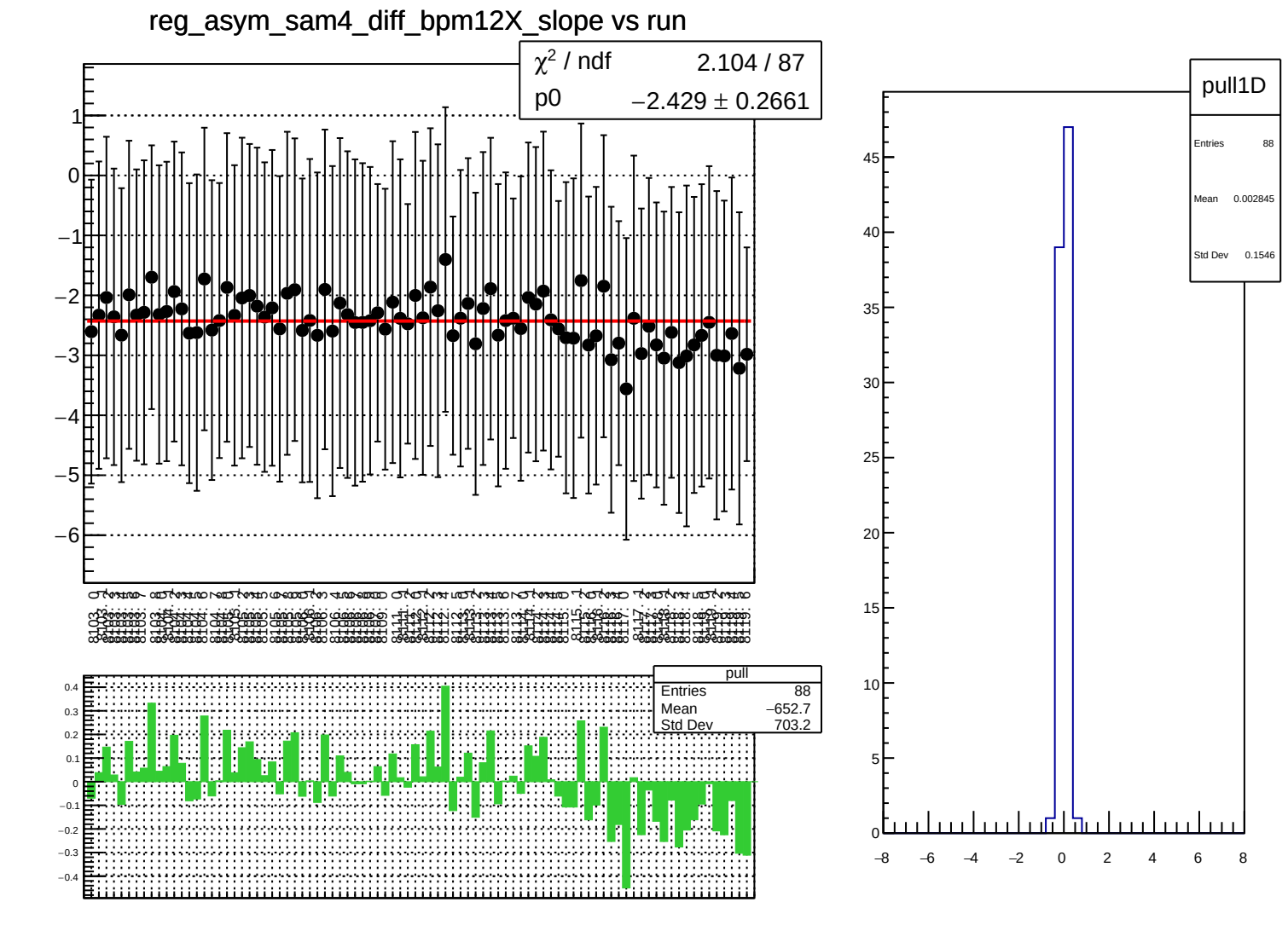

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 2.12 / 87
p0 122.5 ± 6.629
pull
Entries 88
Mean 1456
Std Dev 1408
pull1D
Entries 88
Mean 0.001728
Std Dev 0.1552

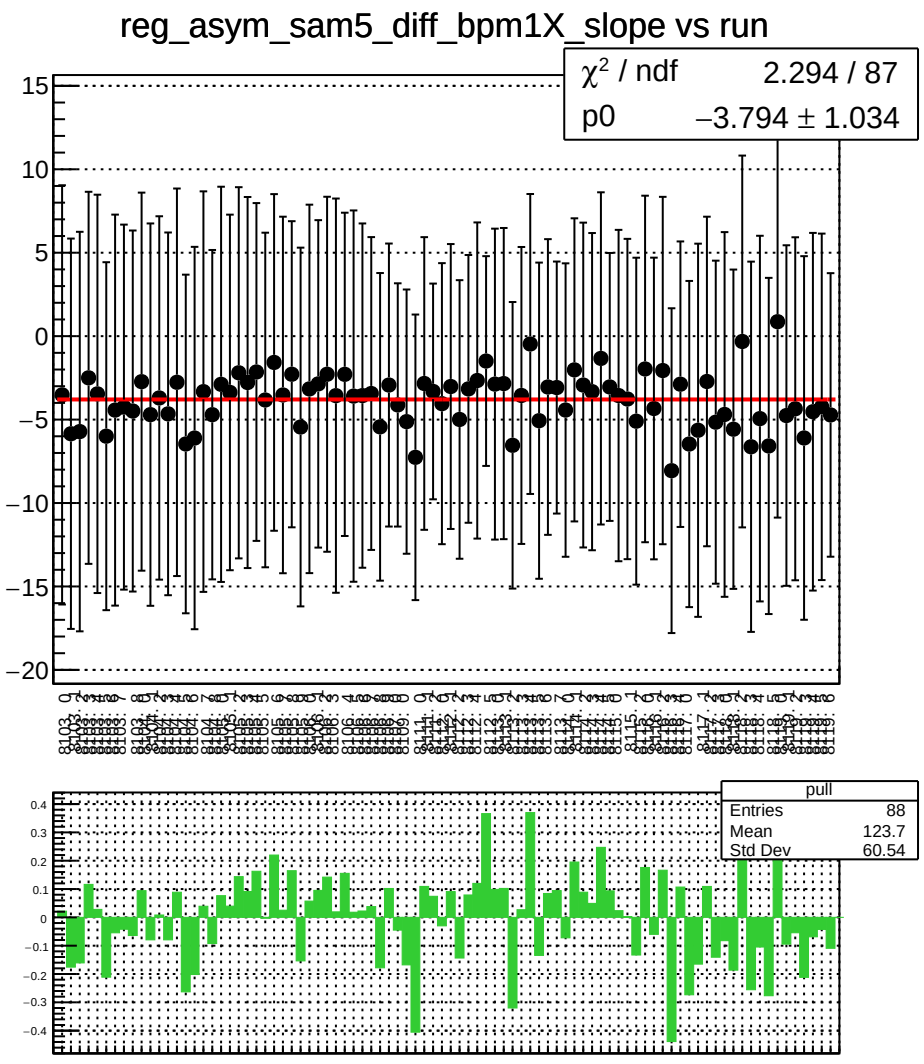

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.601 / 87
p0 −147.4 ± 4.198
pull
Entries 88
Mean 814
Std Dev 760.1

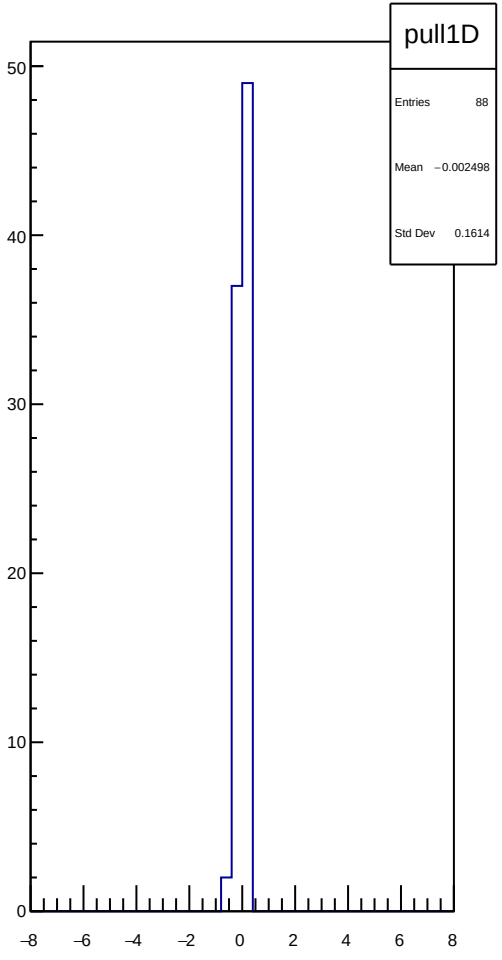

pull1D
Entries 88
Mean 0.001316
Std Dev 0.1349

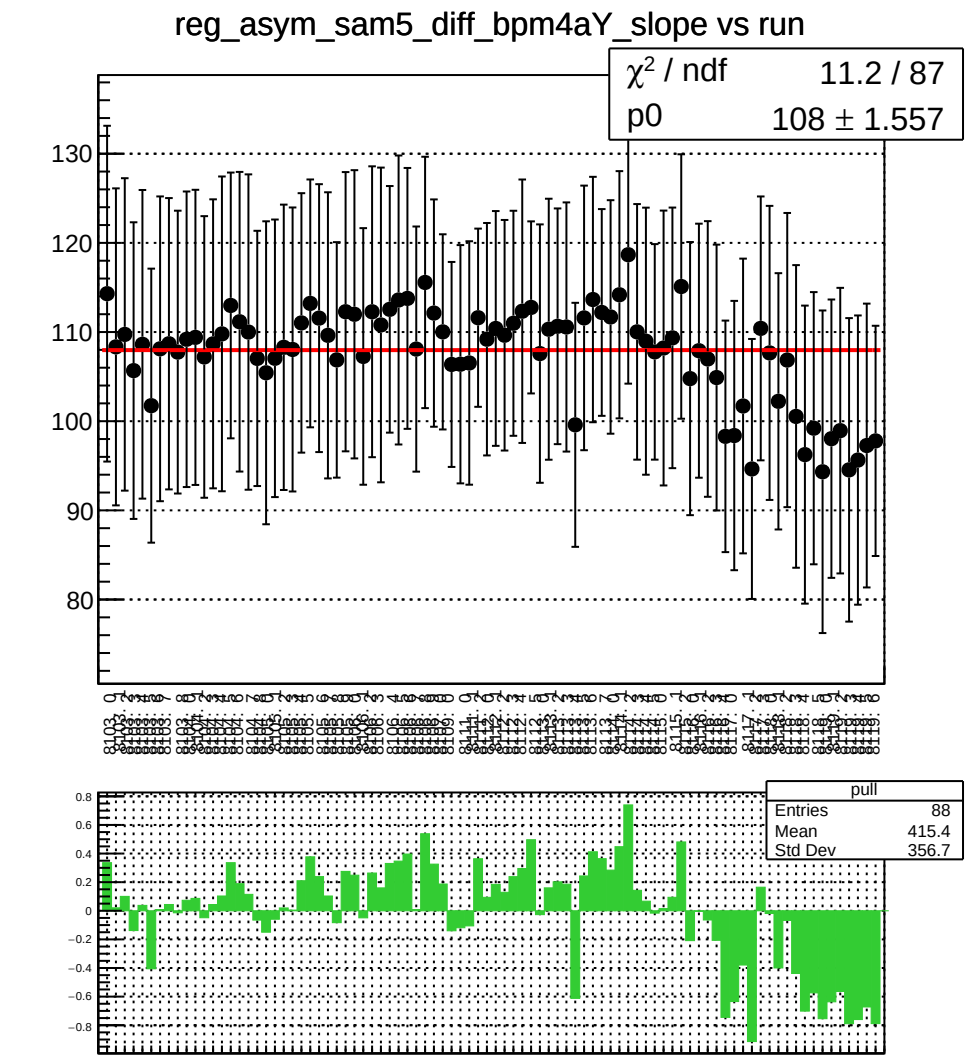

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 2.375 / 87
p0 116.9 ± 7.088
pull
Entries 88
Mean 1419
Std Dev 1372

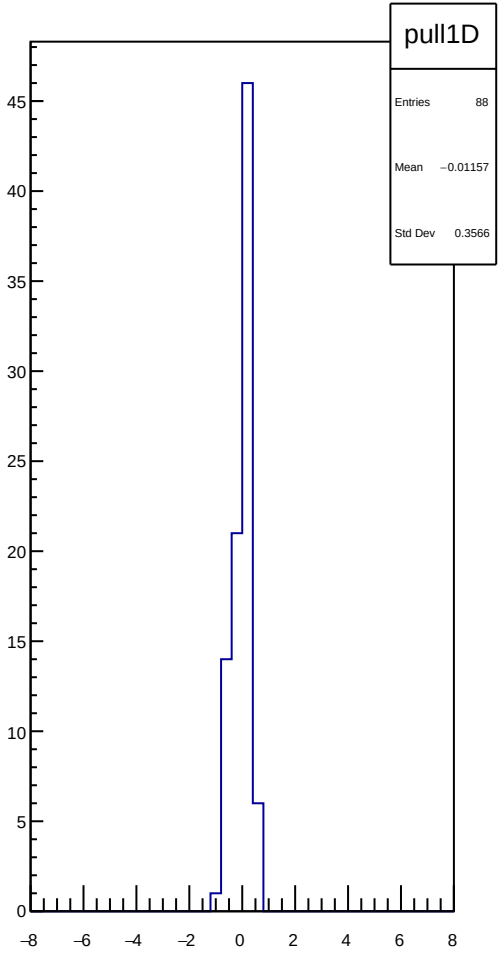

pull1D
Entries 88
Mean −0.001966
Std Dev 0.1643

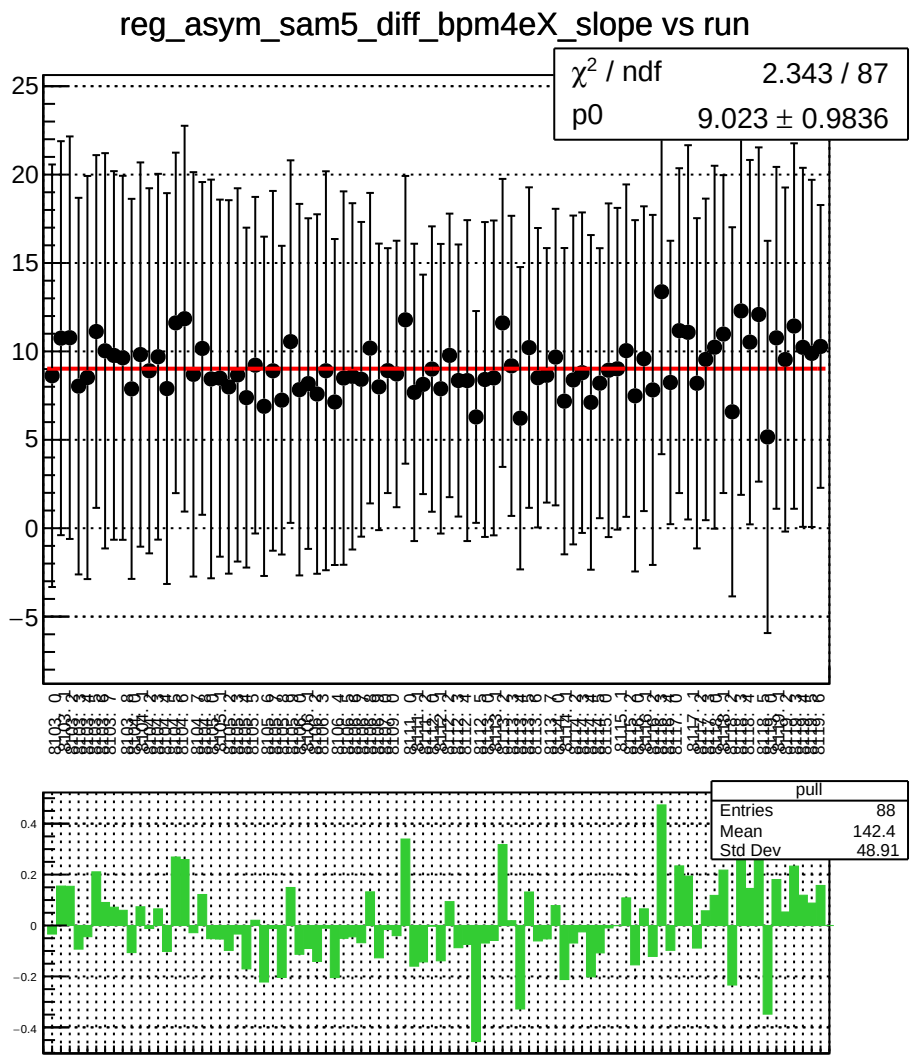

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.104 / 87
p0 −2.429 ± 0.2661
pull
Entries 88
Mean −652.7
Std Dev 703.2
pull1D
Entries 88
Mean 0.002845
Std Dev 0.1546

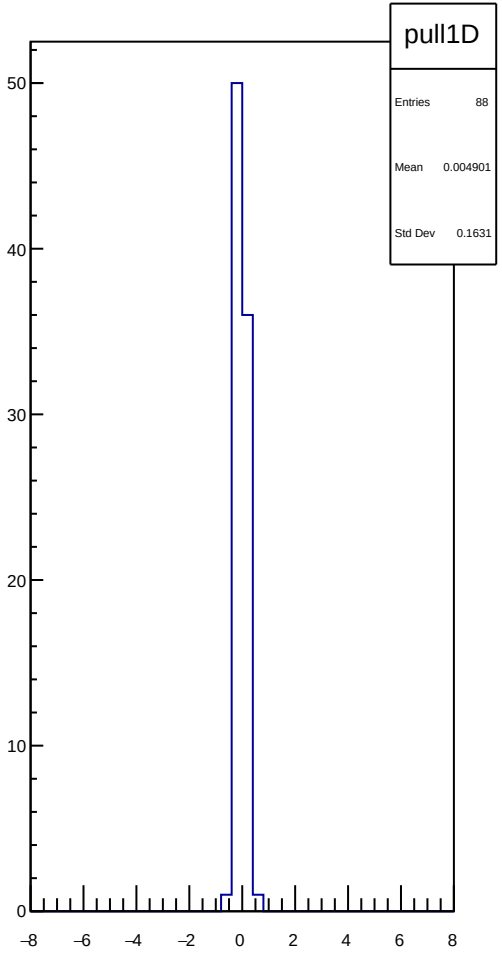

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.294 / 87
p0 −3.794 ± 1.034
pull
Entries 88
Mean 123.7
Std Dev 60.54

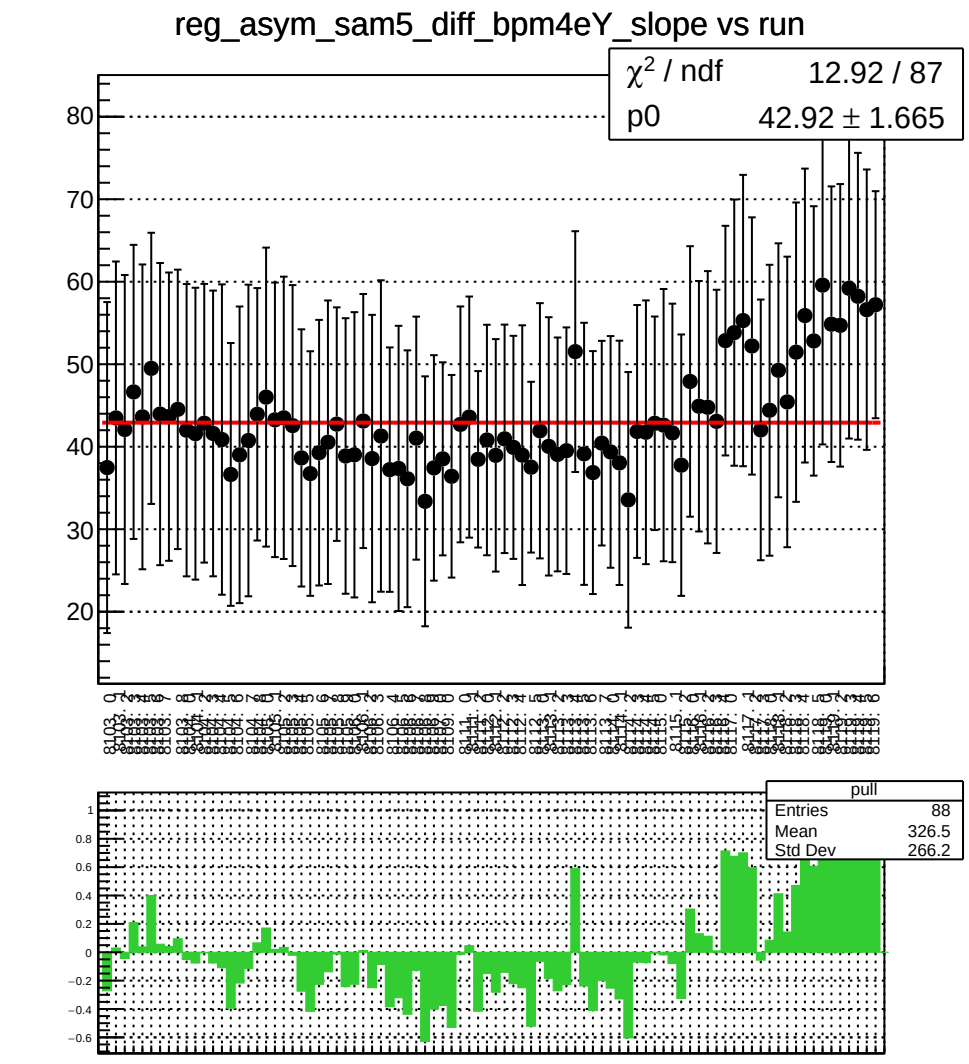

pull1D
Entries 88
Mean −0.002498
Std Dev 0.1614

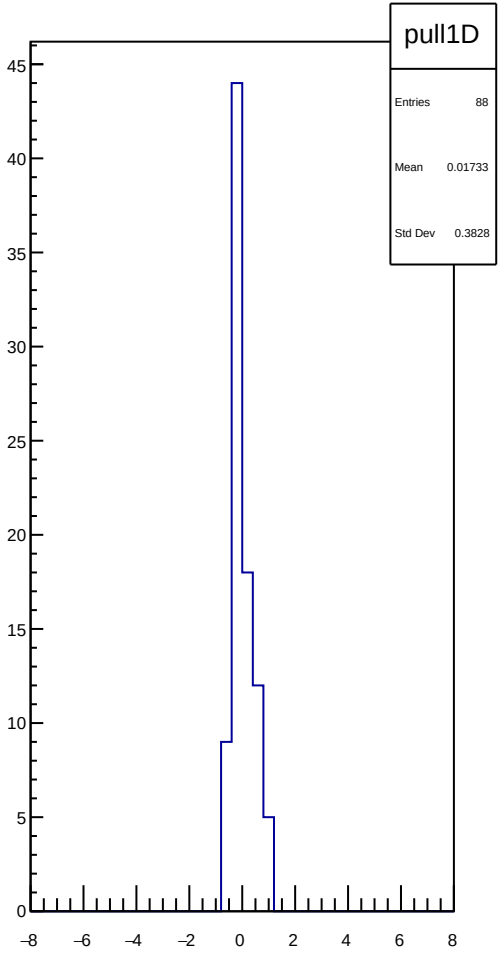

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 11.2 / 87
p0 108 ± 1.557
pull
Entries 88
Mean 415.4
Std Dev 356.7

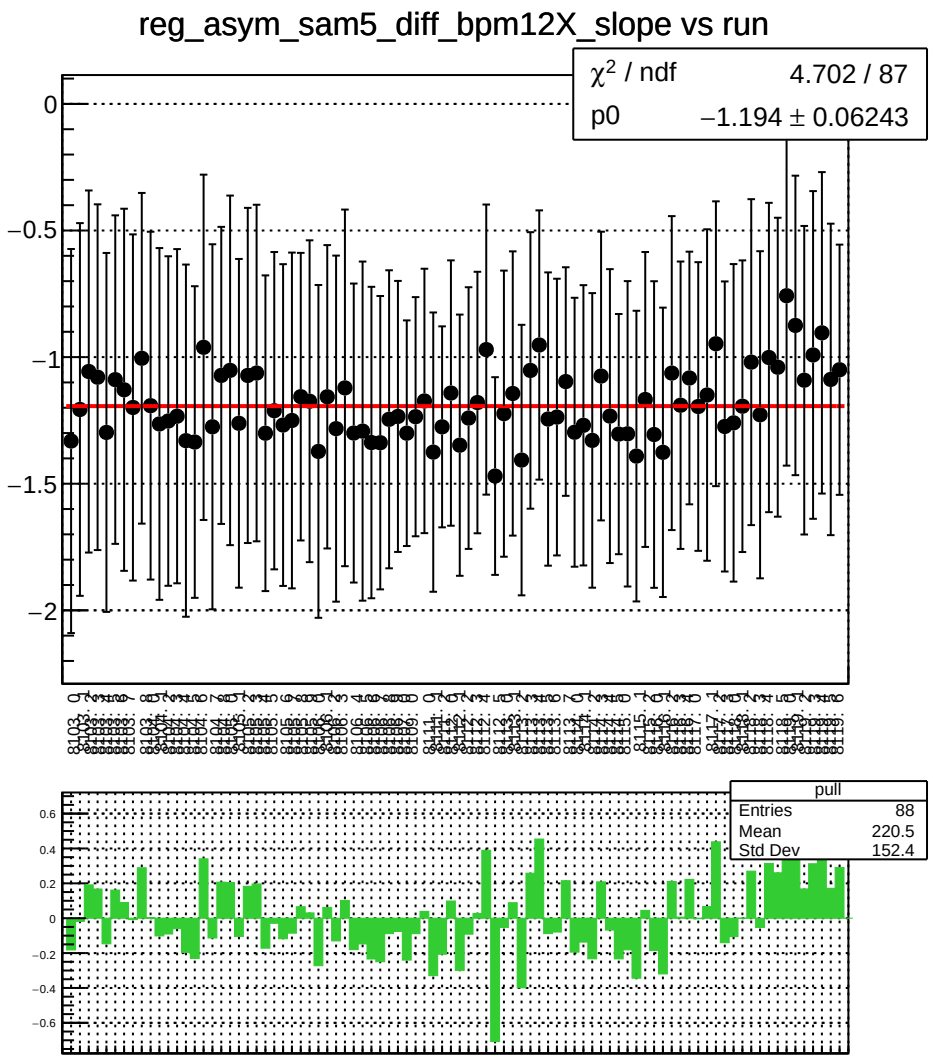

pull1D
Entries 88
Mean −0.01157
Std Dev 0.3566

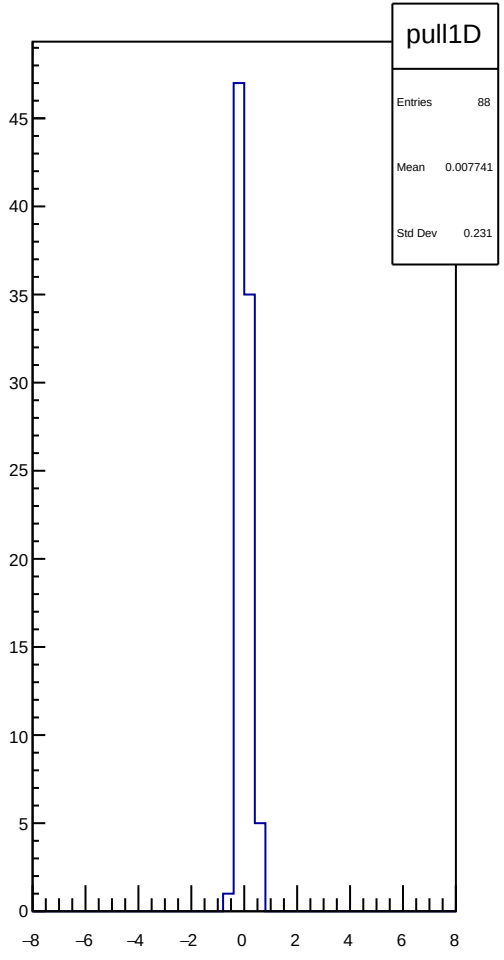

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.343 / 87
p0 9.023 ± 0.9836
pull
Entries 88
Mean 142.4
Std Dev 48.91

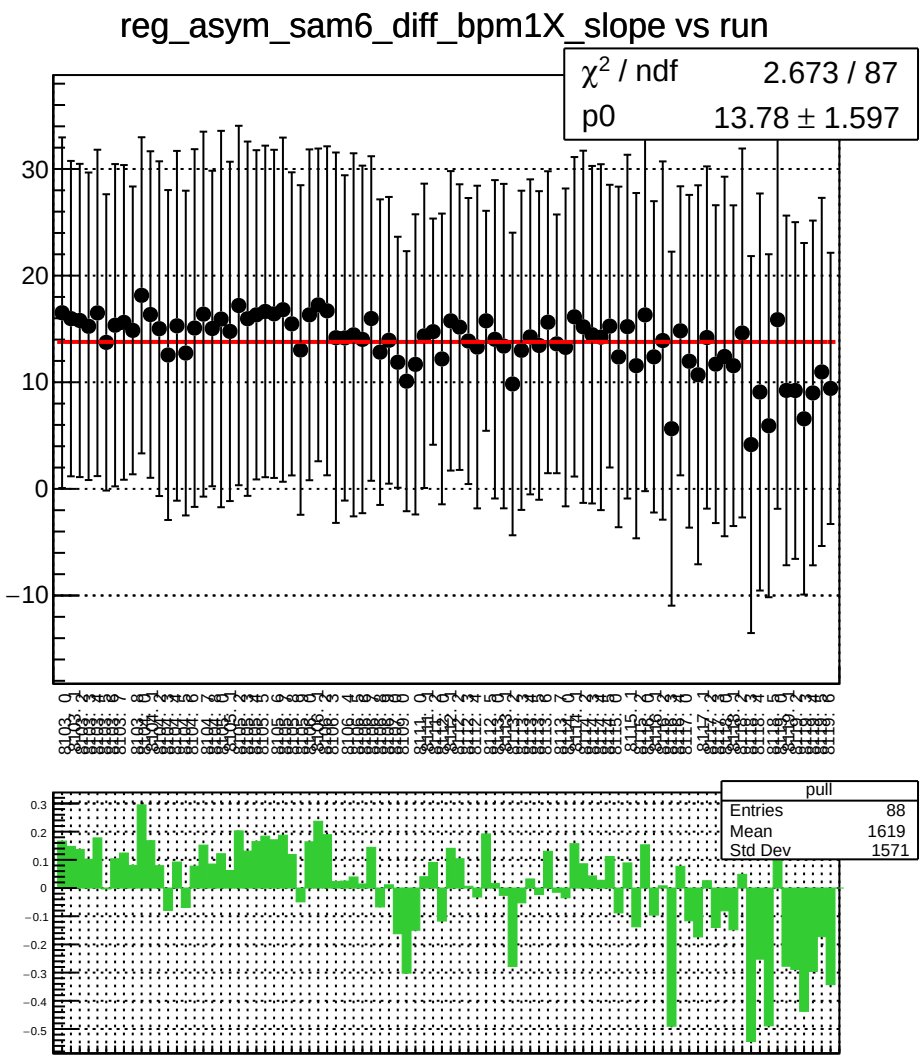

pull1D
Entries 88
Mean 0.004901
Std Dev 0.1631

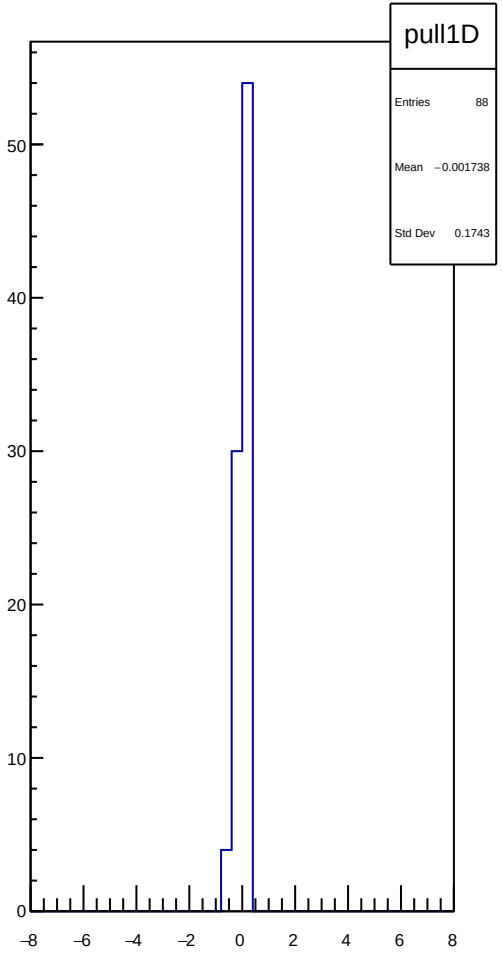

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.92 / 87
p0 42.92 ± 1.665
pull
Entries 88
Mean 326.5
Std Dev 266.2

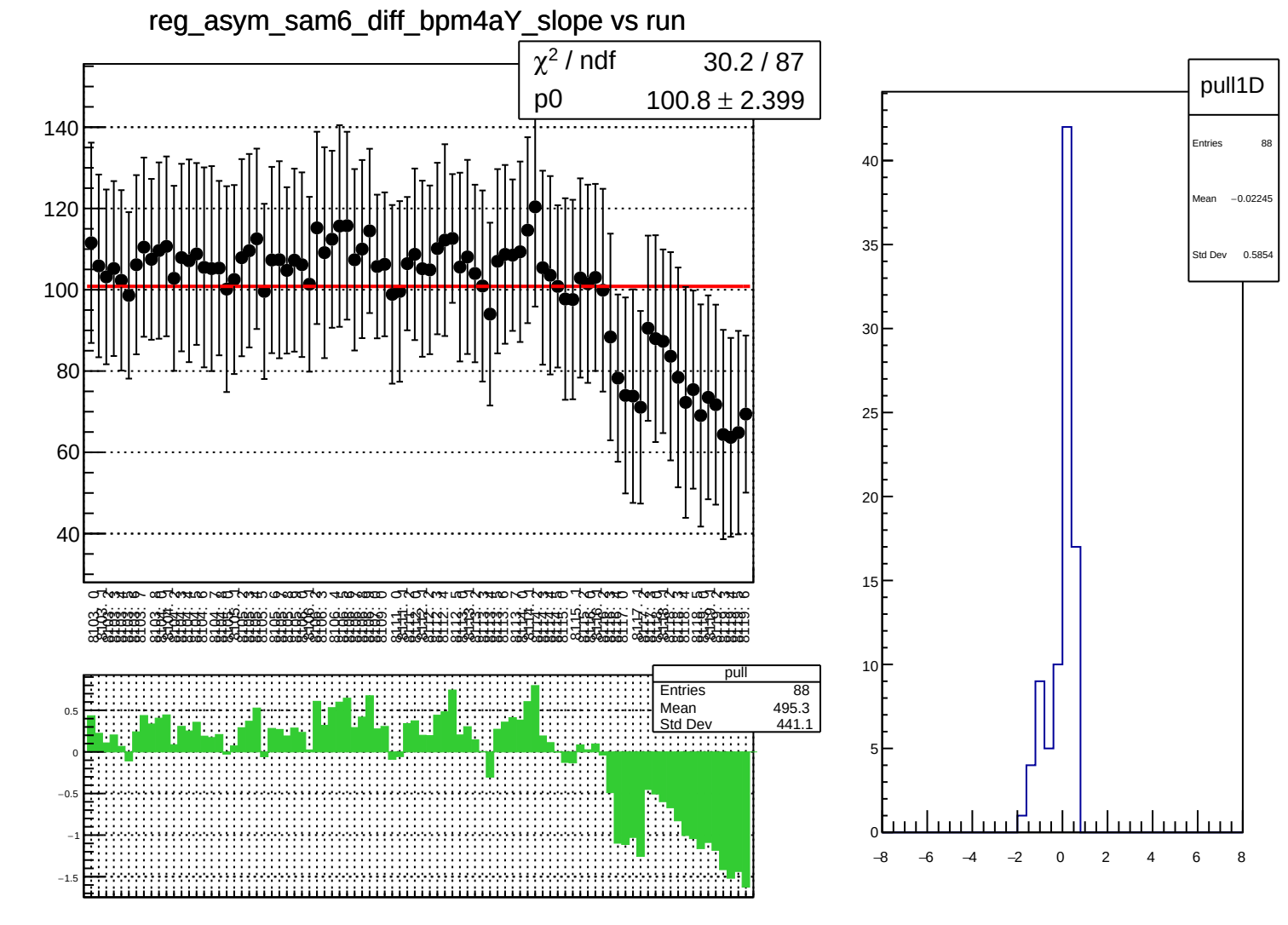

pull1D
Entries 88
Mean 0.01733
Std Dev 0.3828

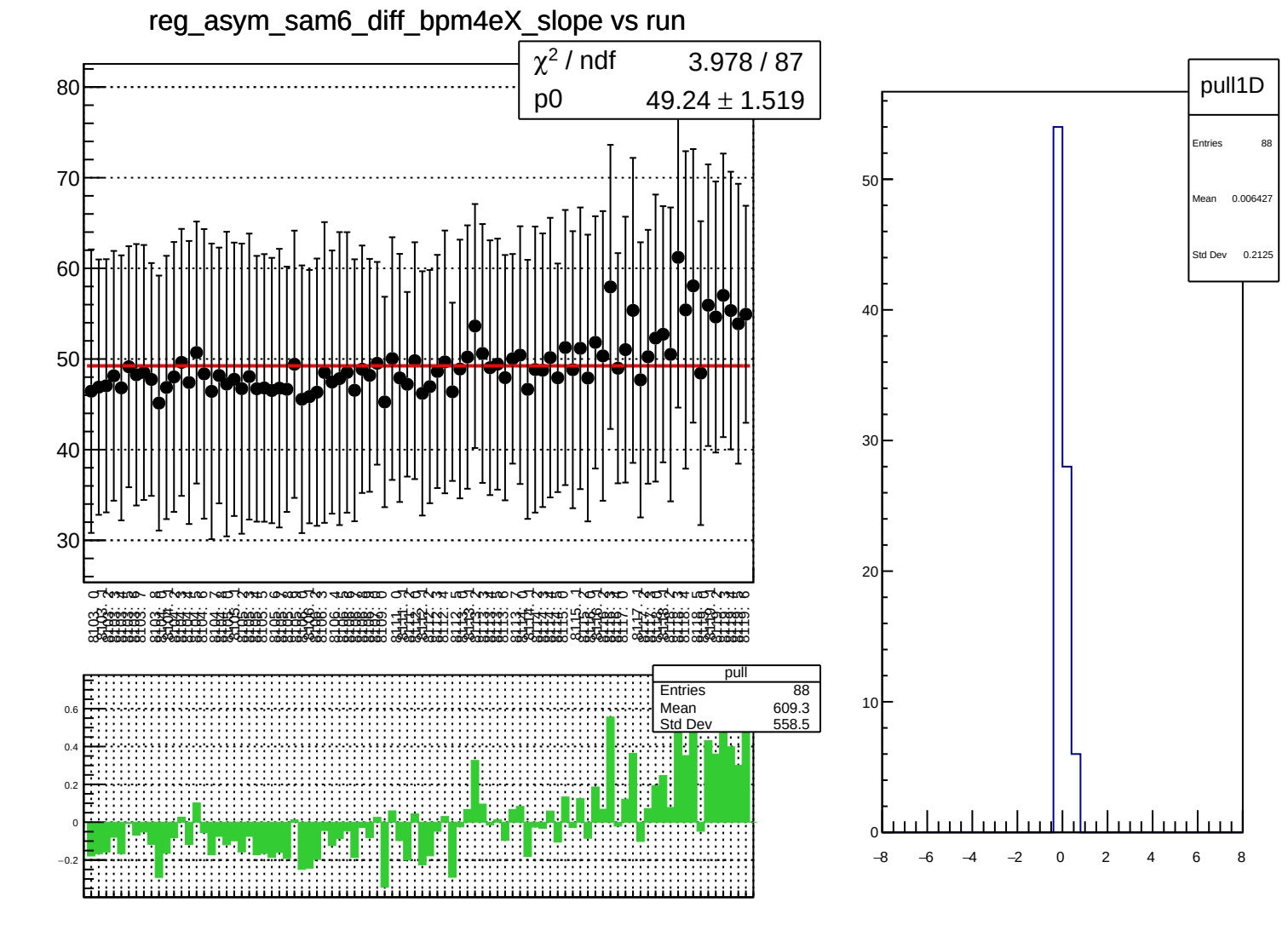

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 4.702 / 87
p0 −1.194 ± 0.06243
pull
Entries 88
Mean 220.5
Std Dev 152.4

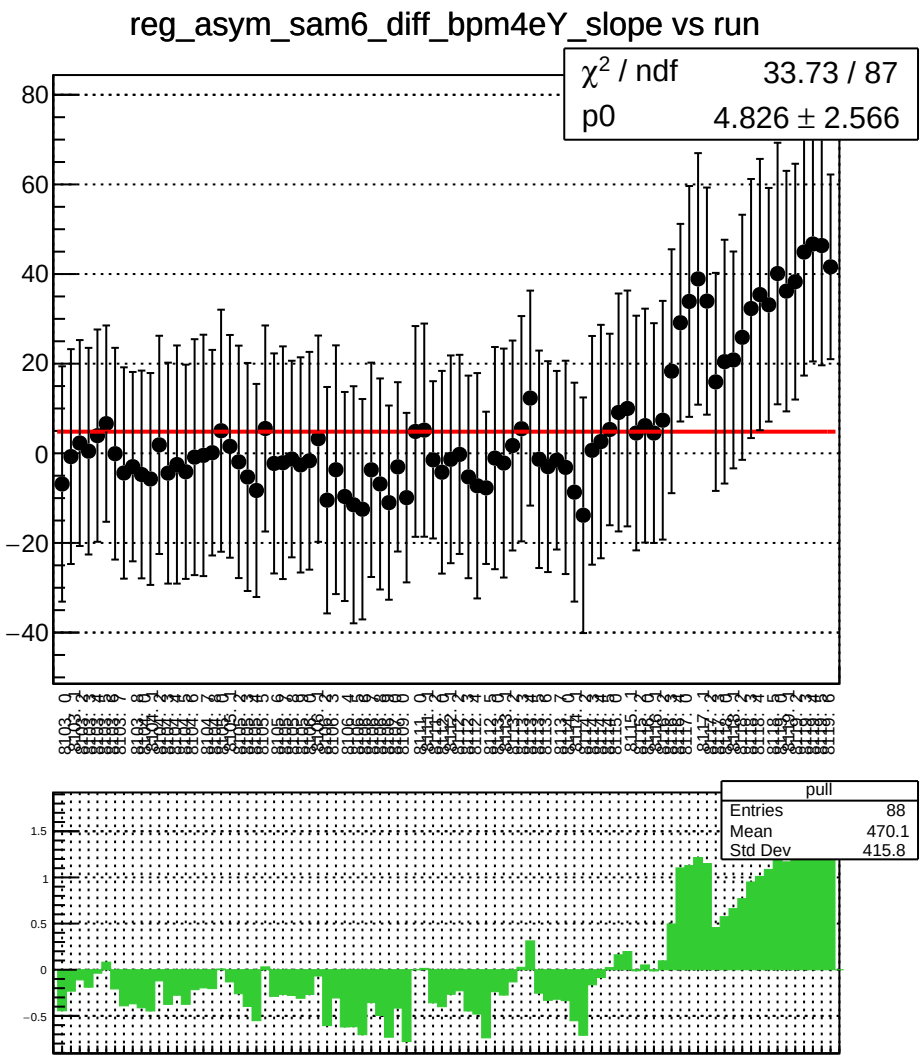

pull1D
Entries 88
Mean 0.007741
Std Dev 0.231

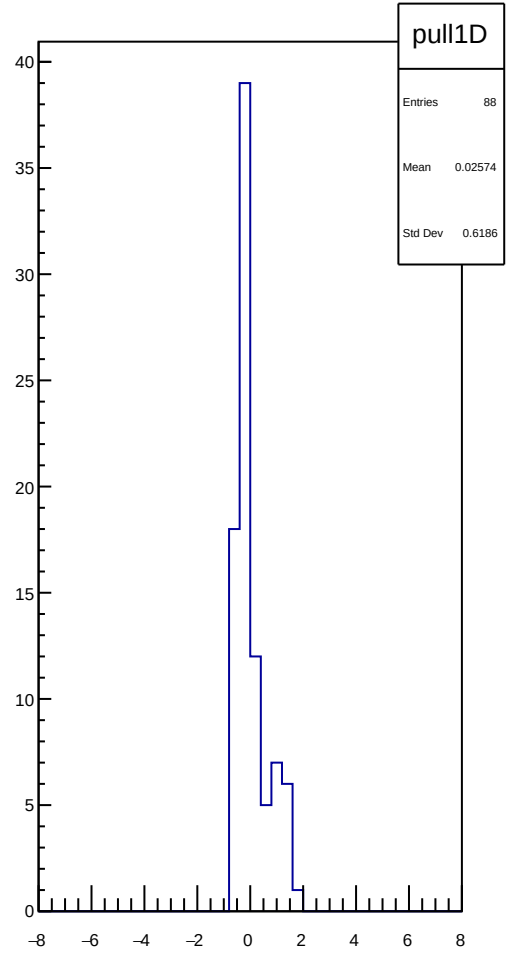

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.673 / 87
p0 13.78 ± 1.597
30
20
10
0
−10
pull
Entries 88
Mean 1619
Std Dev 1571
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

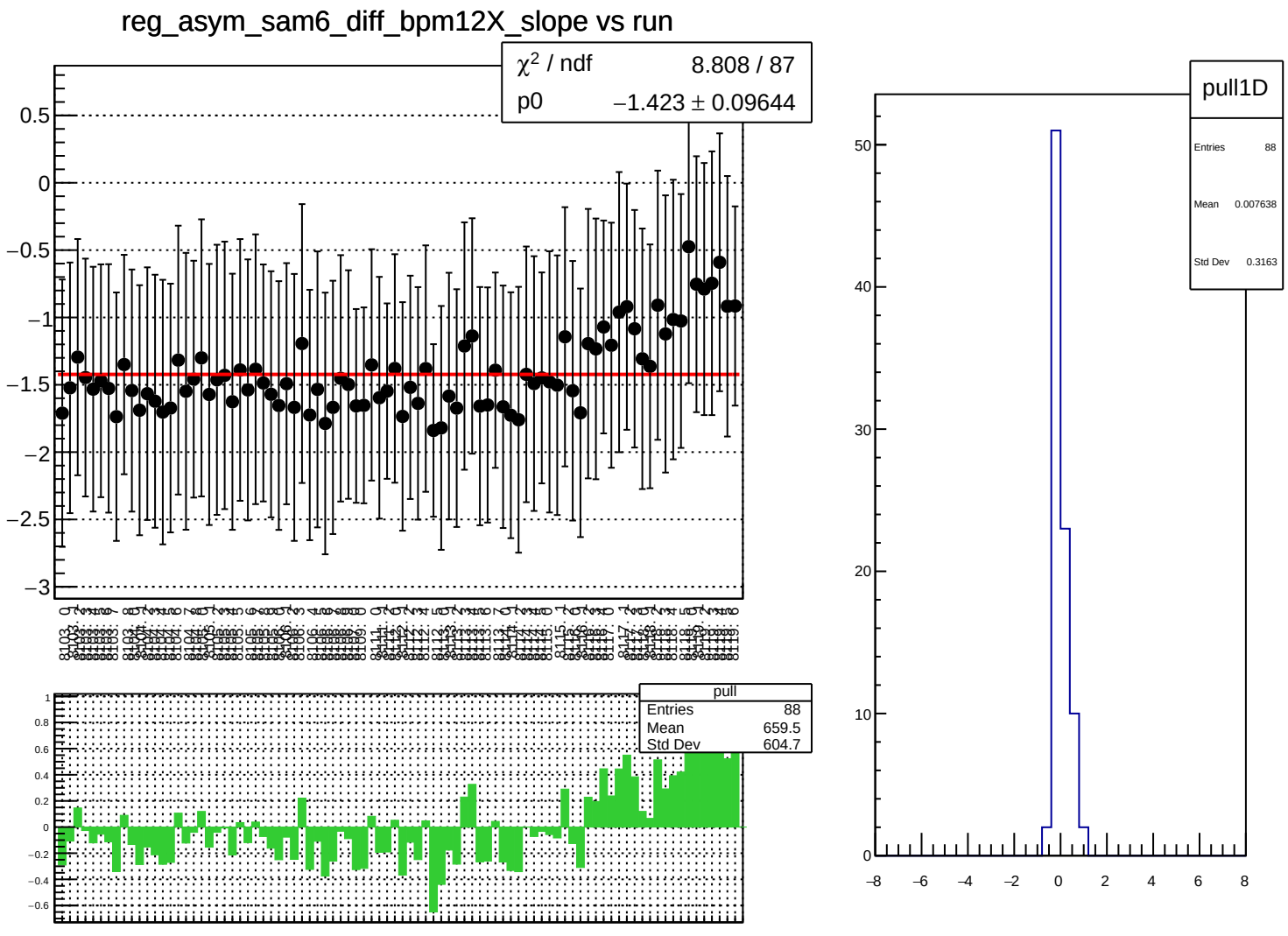

pull1D
Entries 88
Mean −0.001738
Std Dev 0.1743
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

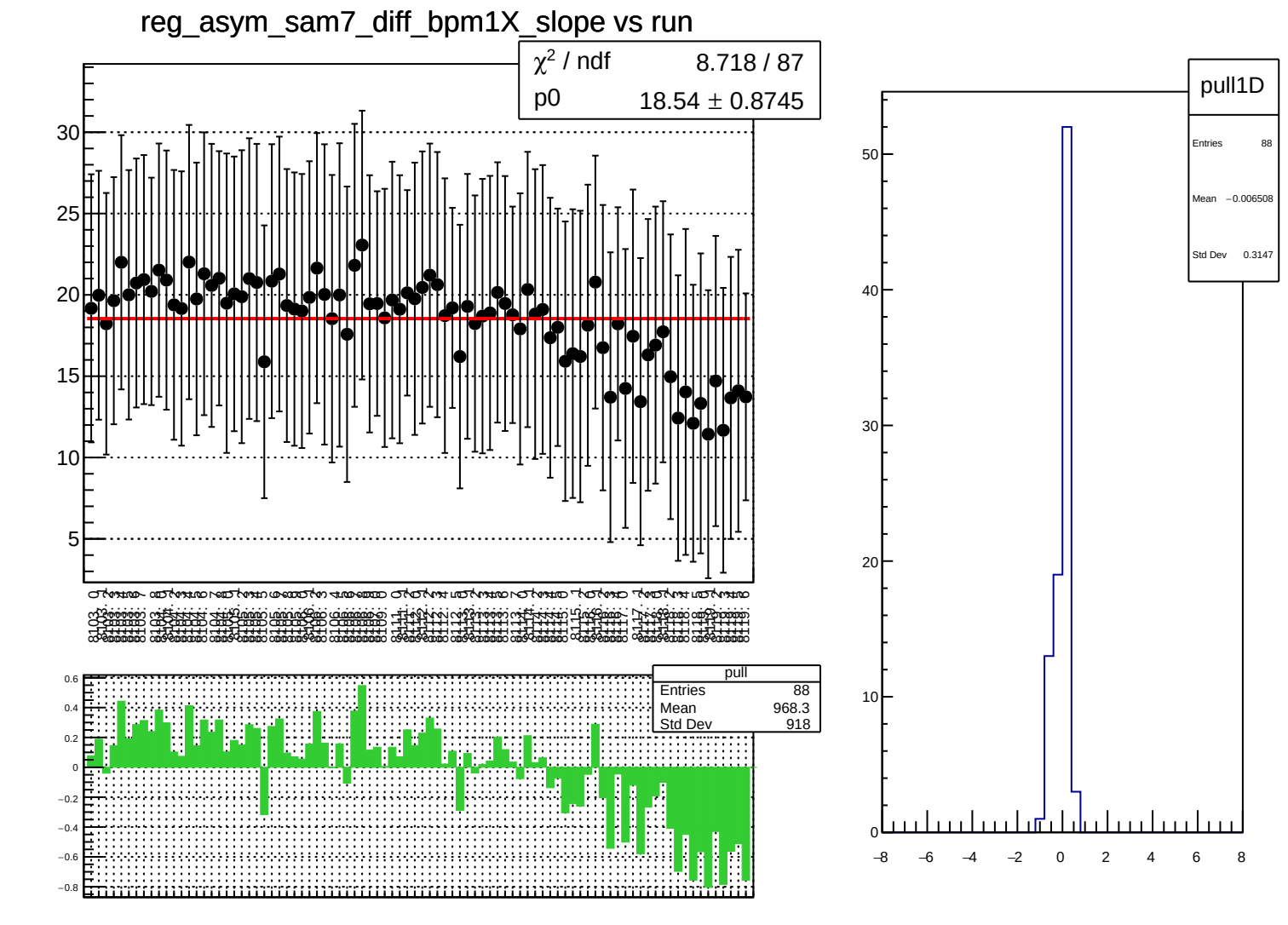

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 30.2 / 87
p0 100.8 ± 2.399
140
120
100
80
60
40
pull
Entries 88
Mean 495.3
Std Dev 441.1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.02245
Std Dev 0.5854
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

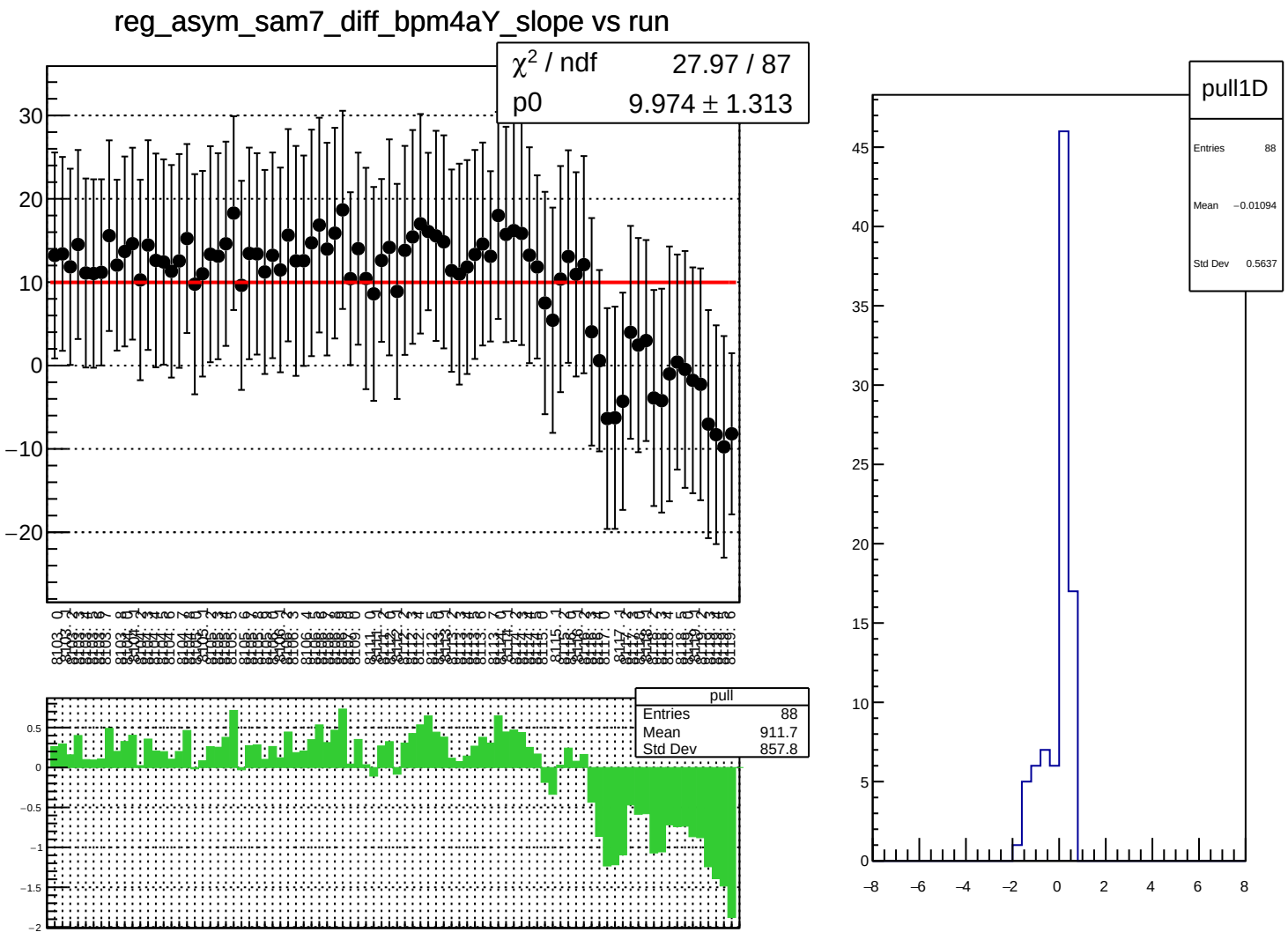

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.978 / 87
p0 49.24 ± 1.519
pull
Entries 88
Mean 609.3
Std Dev 558.5
pull1D
Entries 88
Mean 0.006427
Std Dev 0.2125

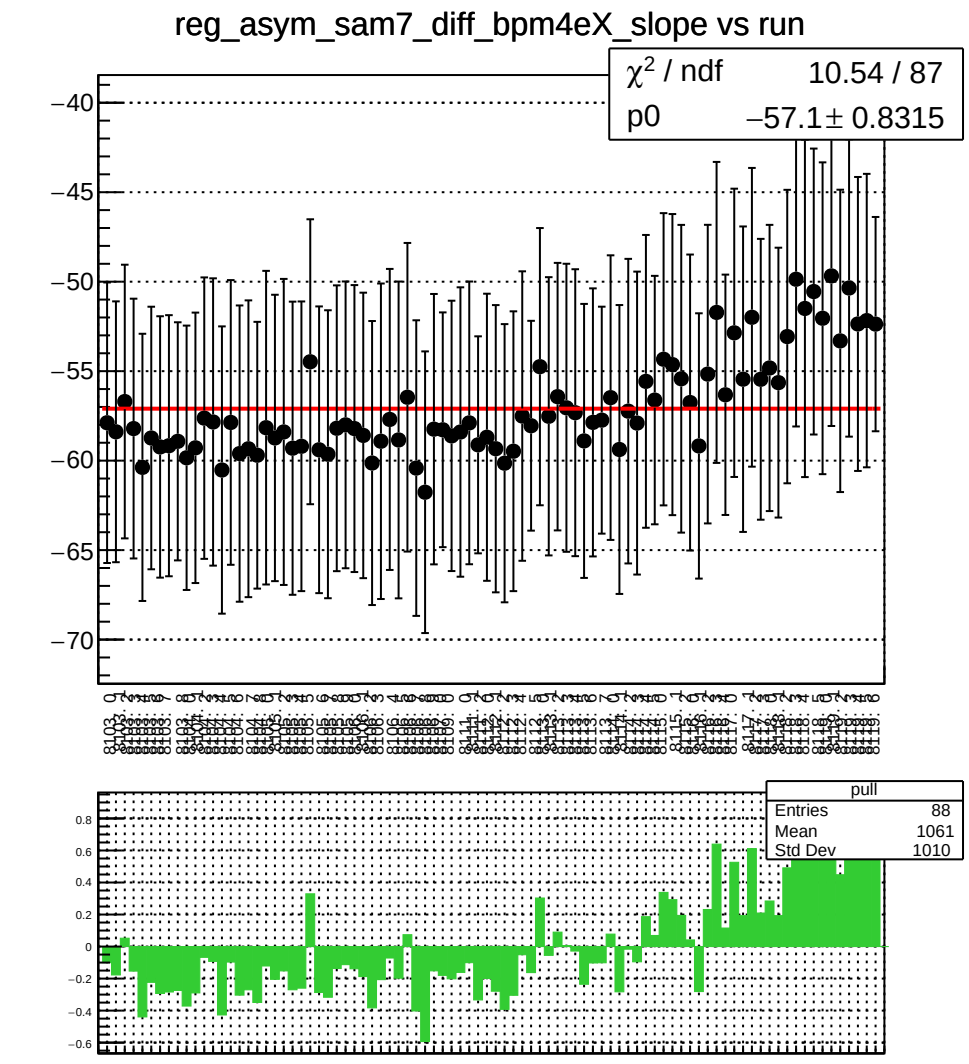

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 33.73 / 87
p0 4.826 ± 2.566
pull
Entries 88
Mean 470.1
Std Dev 415.8

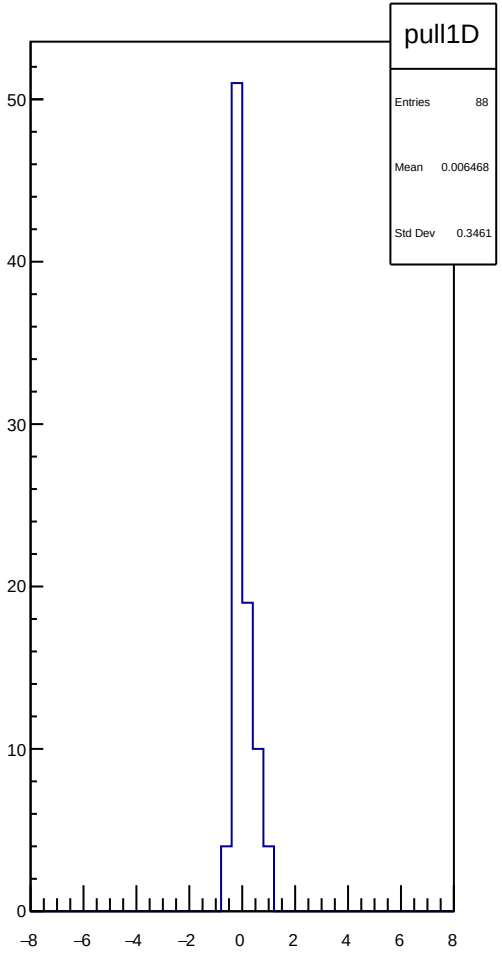

pull1D
Entries 88
Mean 0.02574
Std Dev 0.6186

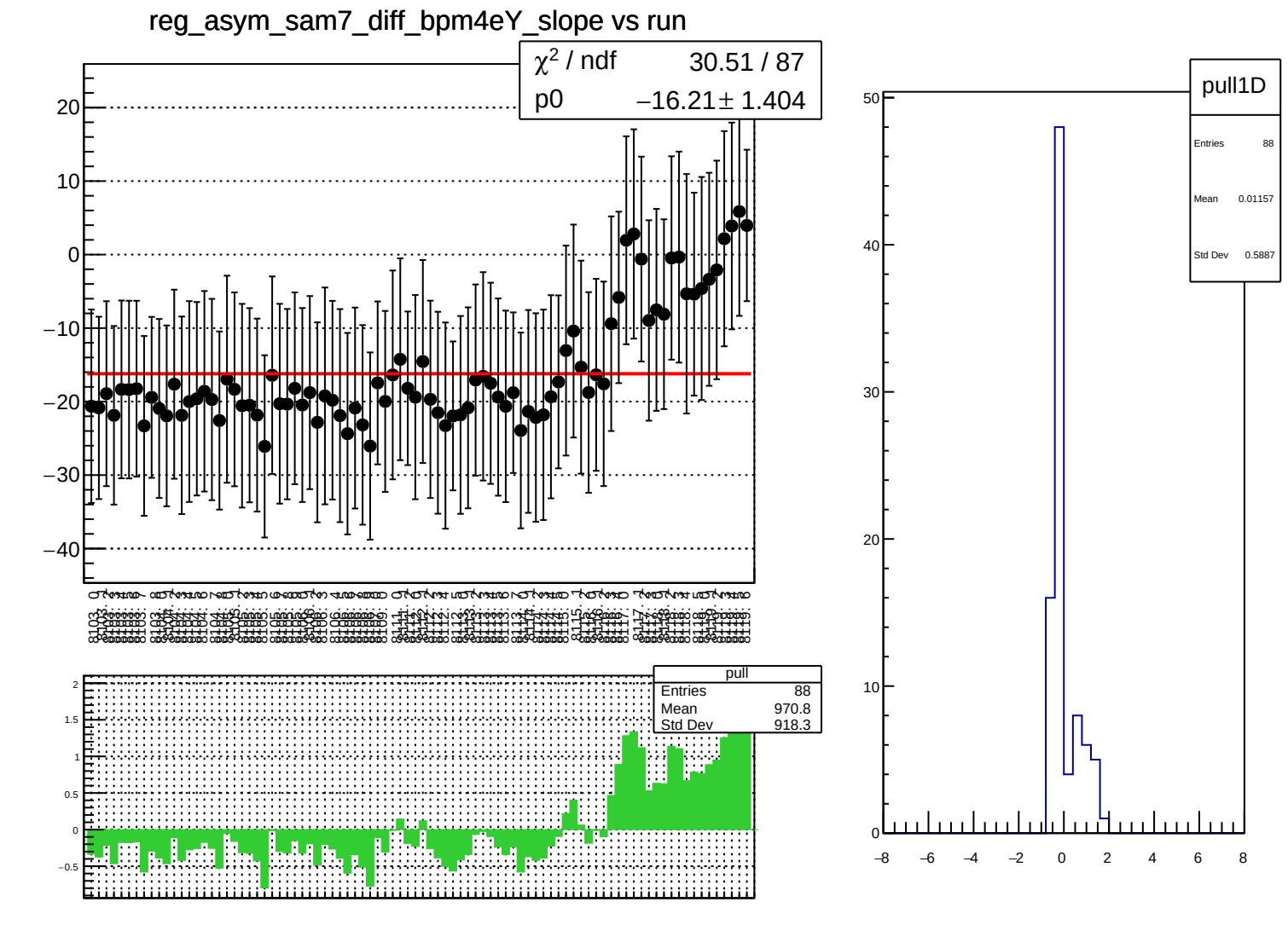

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 8.808 / 87
p0 −1.423 ± 0.09644
pull
Entries 88
Mean 659.5
Std Dev 604.7
pull1D
Entries 88
Mean 0.007638
Std Dev 0.3163

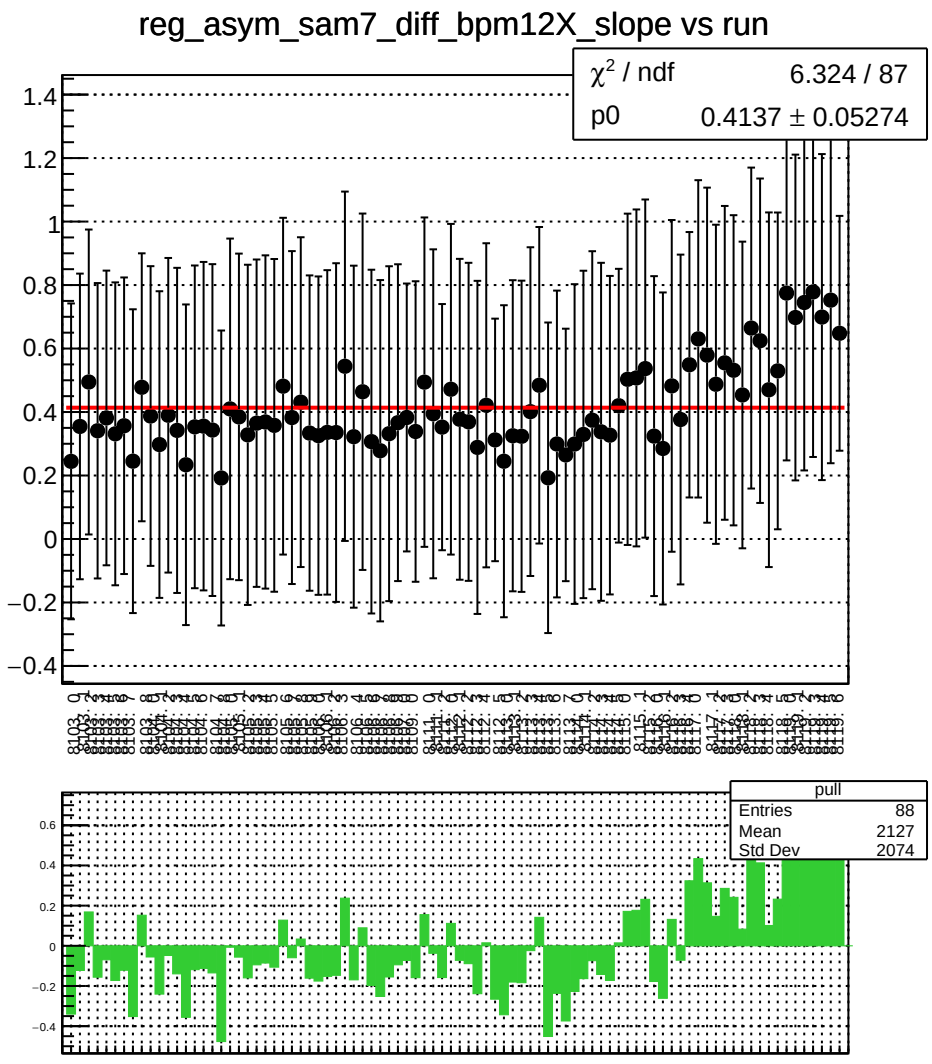

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 8.718 / 87
p0 18.54 ± 0.8745
pull
Entries 88
Mean 968.3
Std Dev 918
pull1D
Entries 88
Mean −0.006508
Std Dev 0.3147

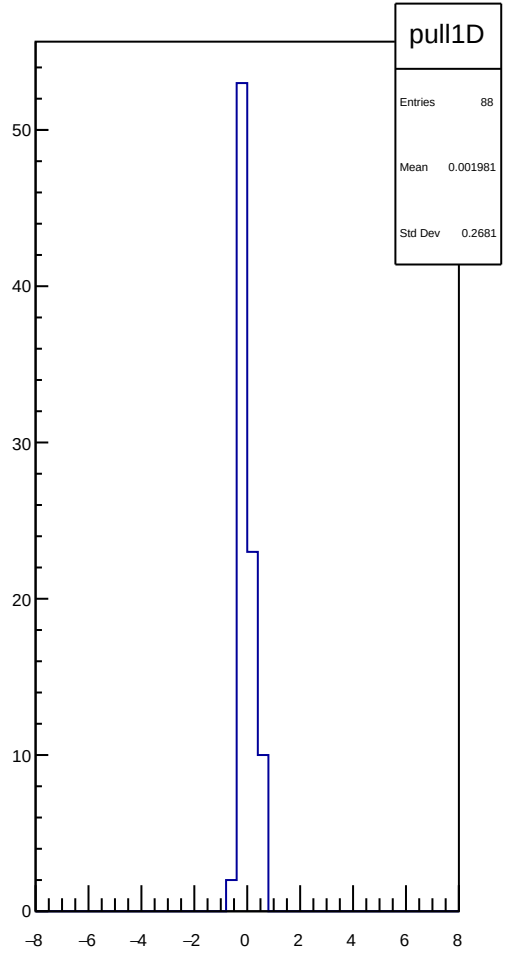

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 27.97 / 87
p0 9.974 ± 1.313
pull
Entries 88
Mean 911.7
Std Dev 857.8
pull1D
Entries 88
Mean −0.01094
Std Dev 0.5637

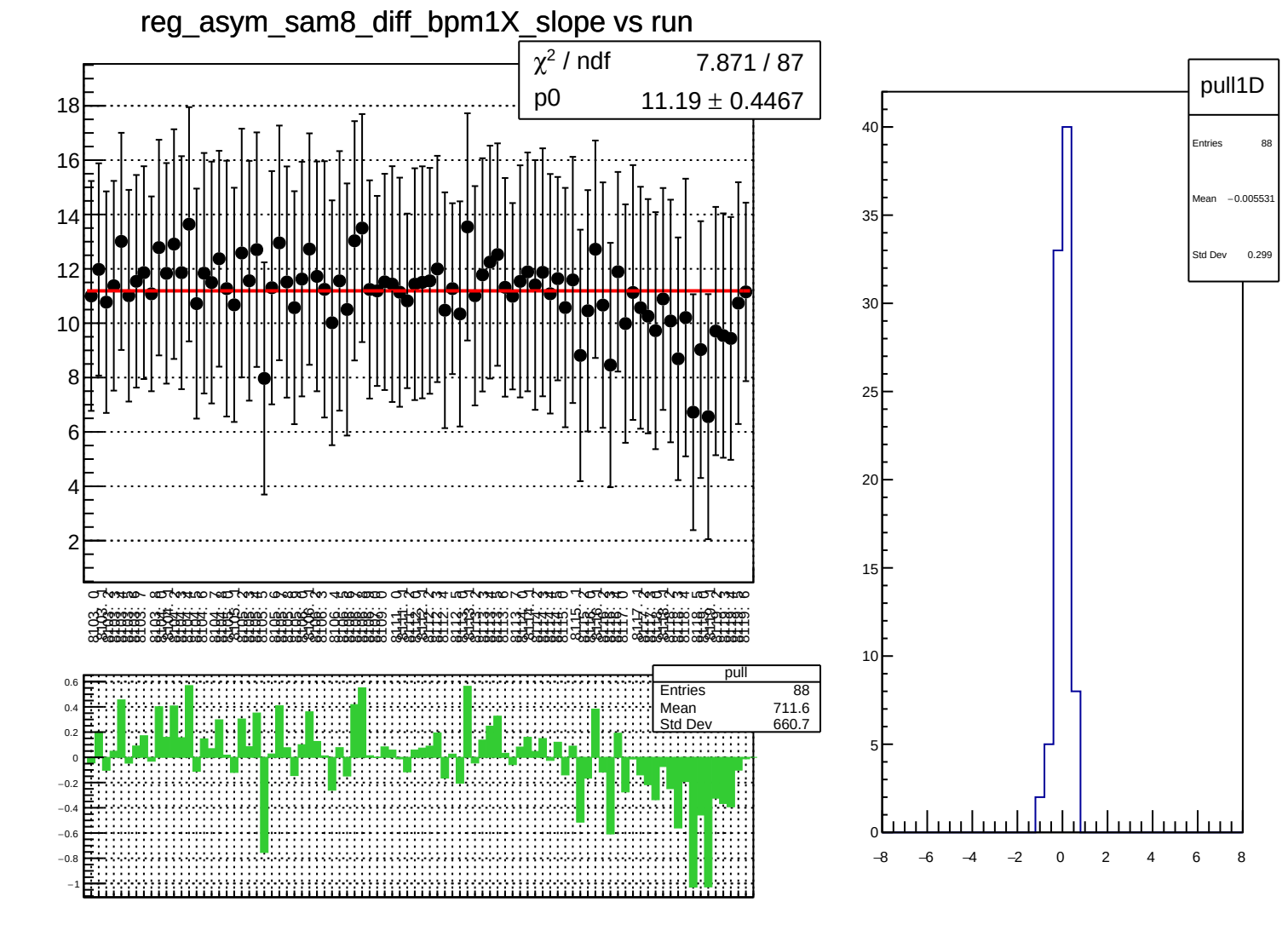

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 10.54 / 87
p0 −57.1 ± 0.8315
pull
Entries 88
Mean 1061
Std Dev 1010

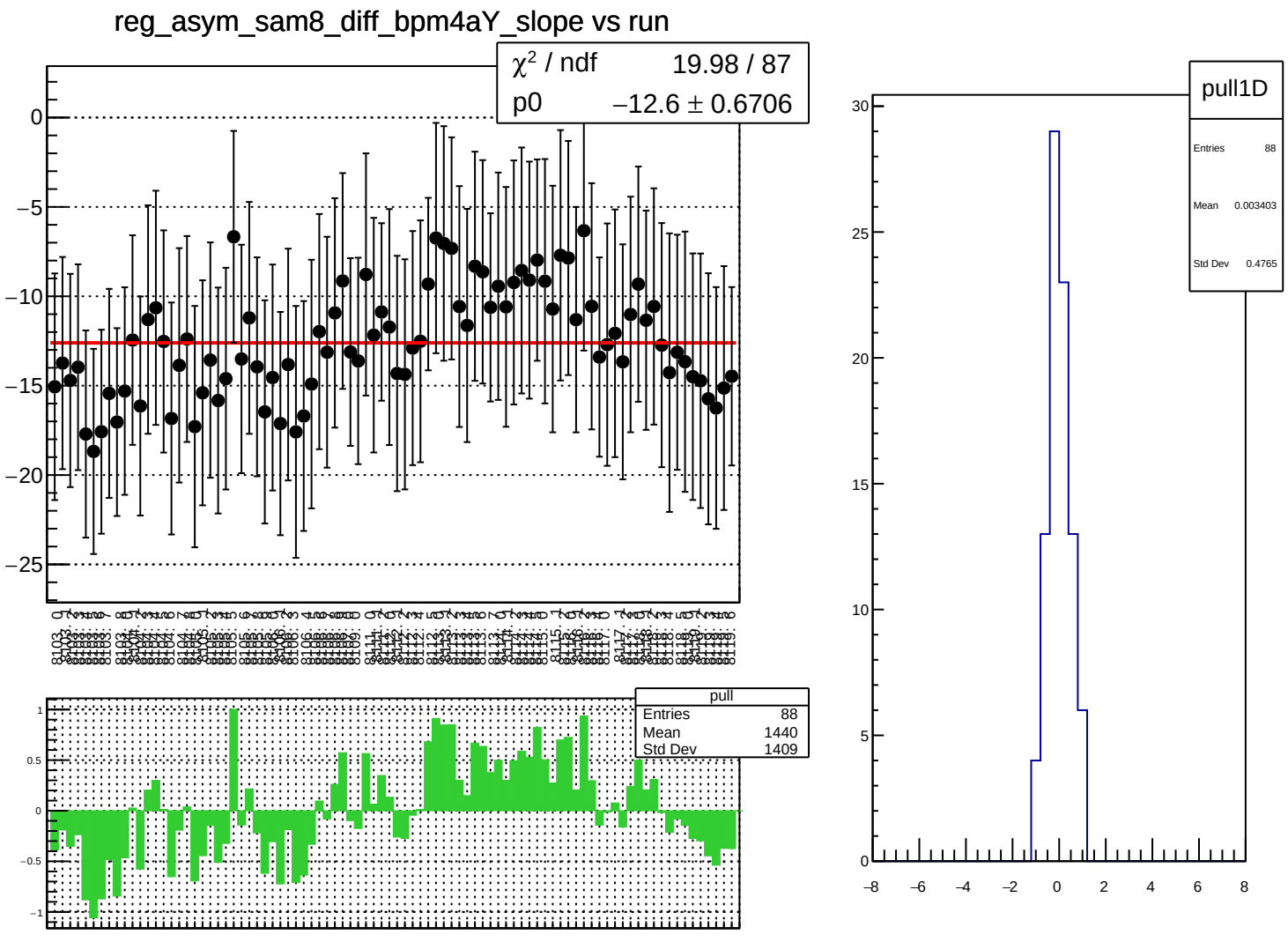

pull1D
Entries 88
Mean 0.006468
Std Dev 0.3461

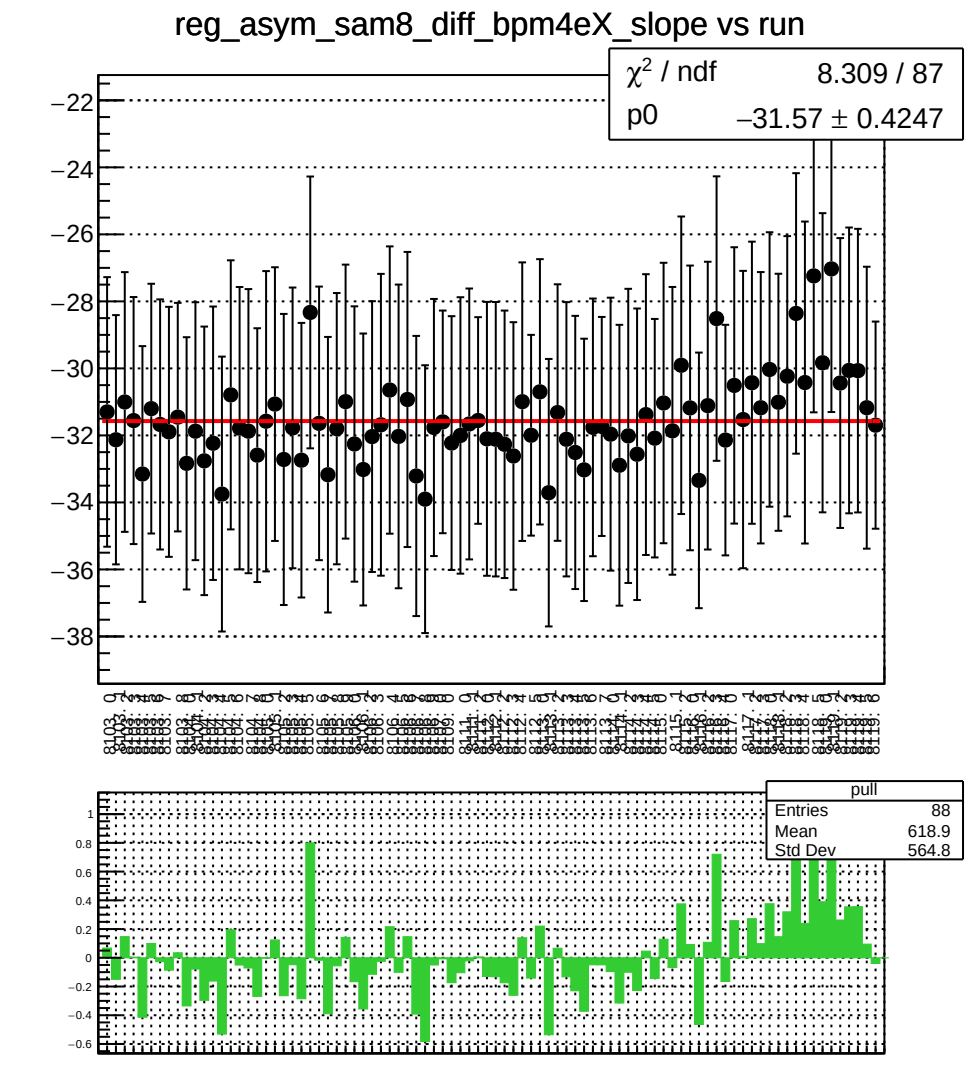

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 30.51 / 87
p0 −16.21± 1.404
pull
Entries 88
Mean 970.8
Std Dev 918.3
pull1D
Entries 88
Mean 0.01157
Std Dev 0.5887

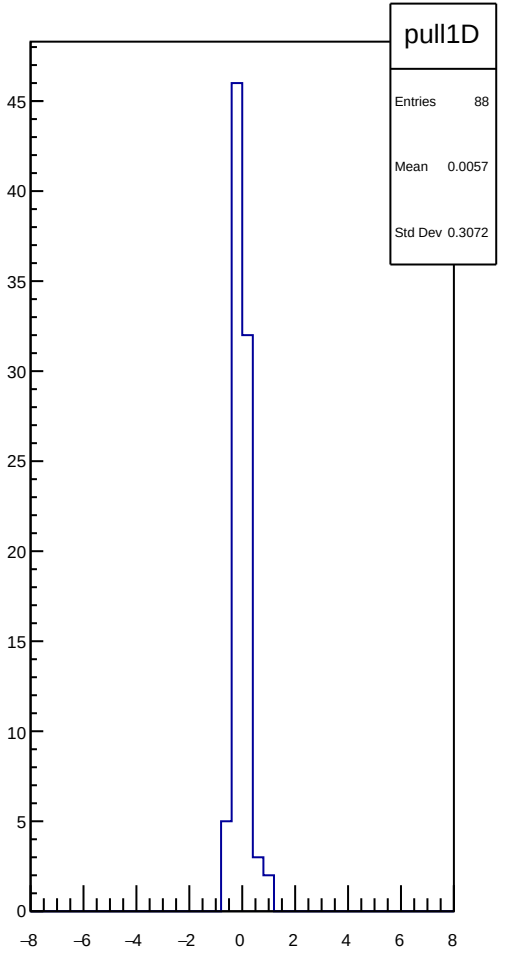

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 6.324 / 87
p0 0.4137 ± 0.05274
pull
Entries 88
Mean 2127
Std Dev 2074

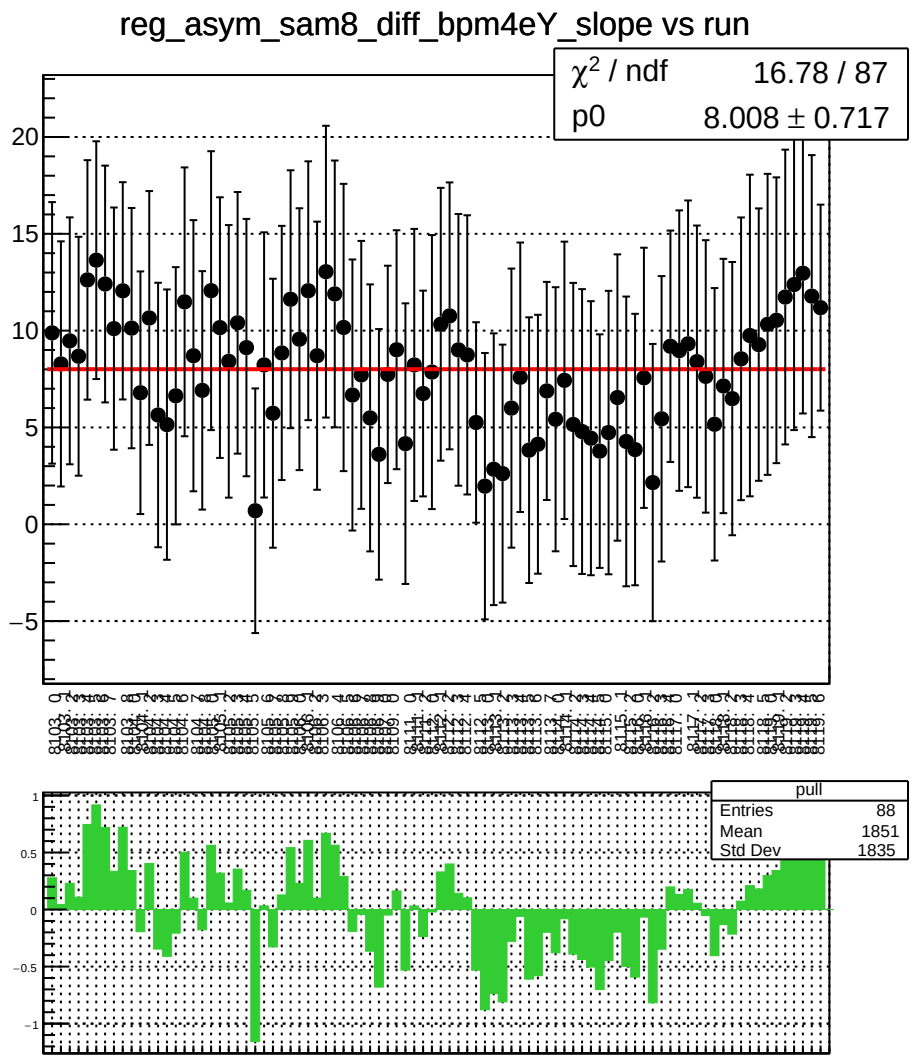

pull1D
Entries 88
Mean 0.001981
Std Dev 0.2681

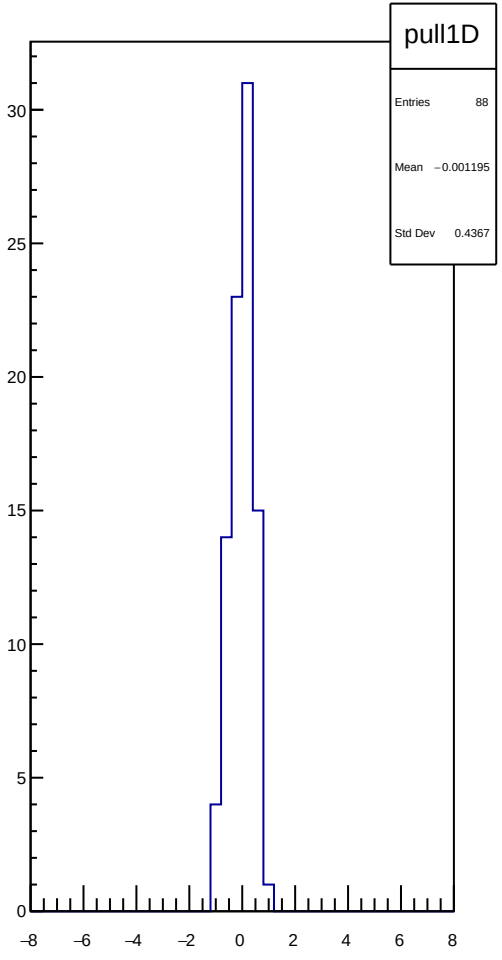

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 7.871 / 87
p0 11.19 ± 0.4467
pull
Entries 88
Mean 711.6
Std Dev 660.7
pull1D
Entries 88
Mean −0.005531
Std Dev 0.299

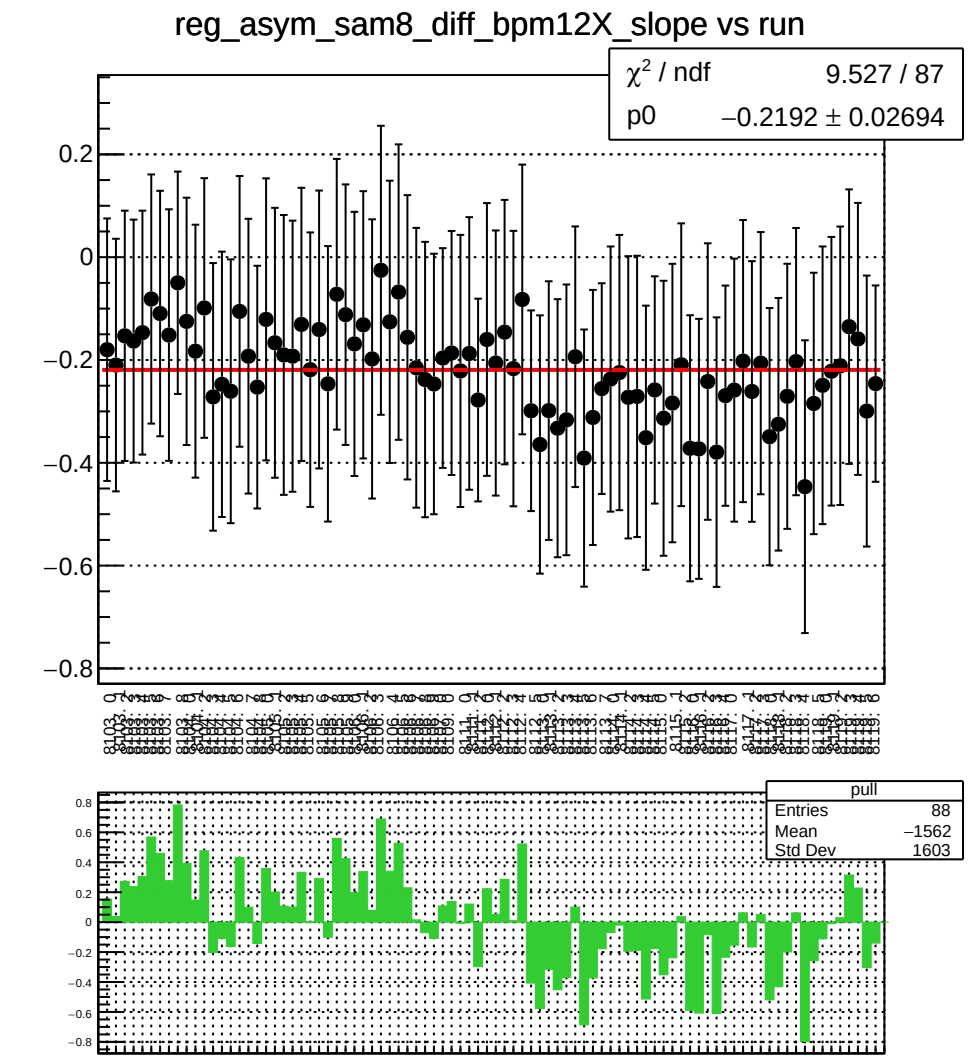

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 19.98 / 87
p0 −12.6 ± 0.6706
pull
Entries 88
Mean 1440
Std Dev 1409
pull1D
Entries 88
Mean 0.003403
Std Dev 0.4765

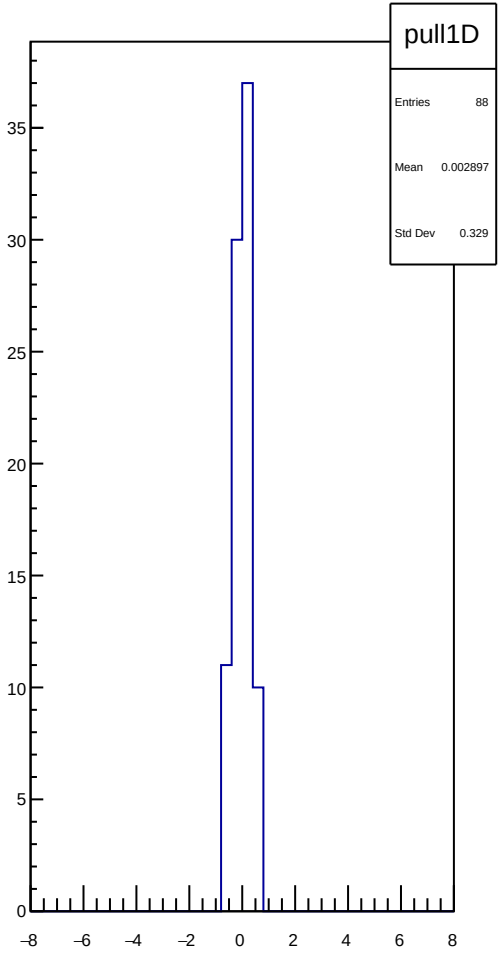

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 8.309 / 87
p0 −31.57 ± 0.4247
pull
Entries 88
Mean 618.9
Std Dev 564.8

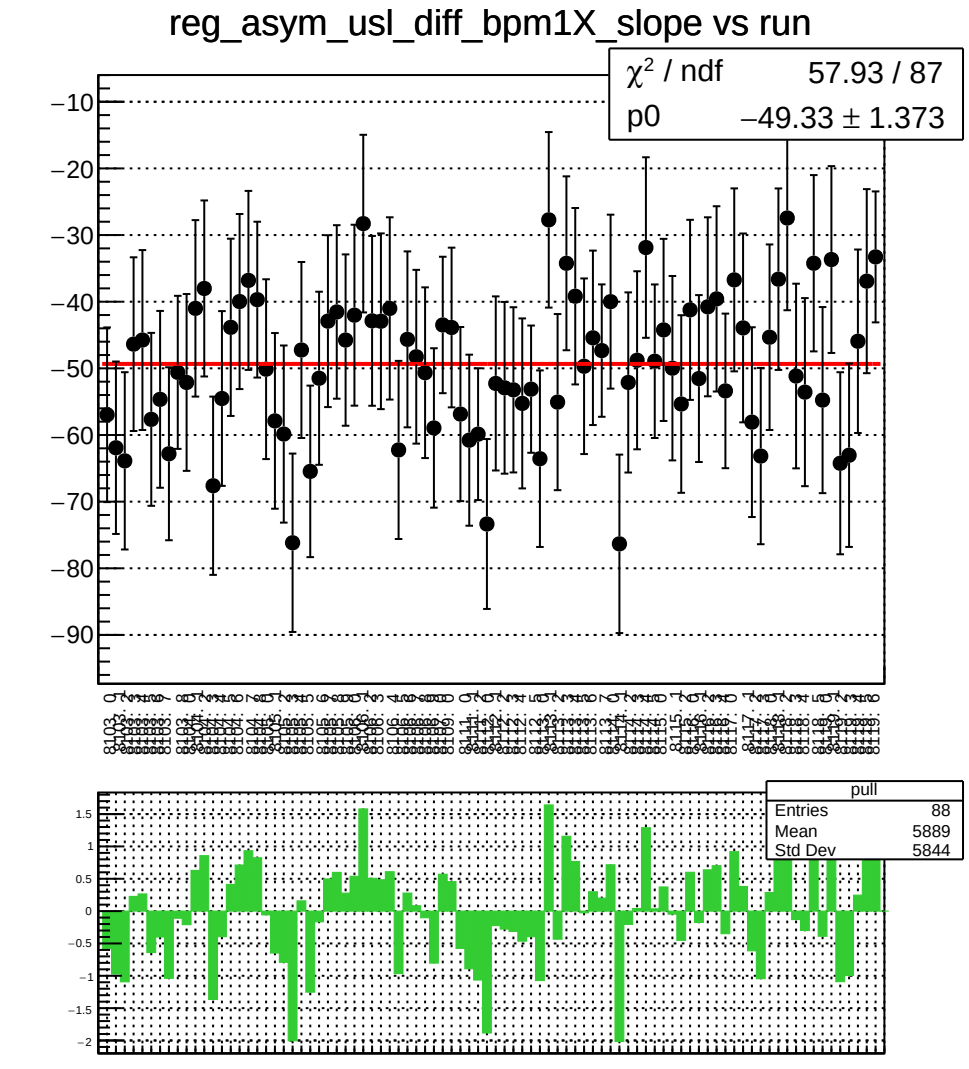

pull1D
Entries 88
Mean 0.0057
Std Dev 0.3072

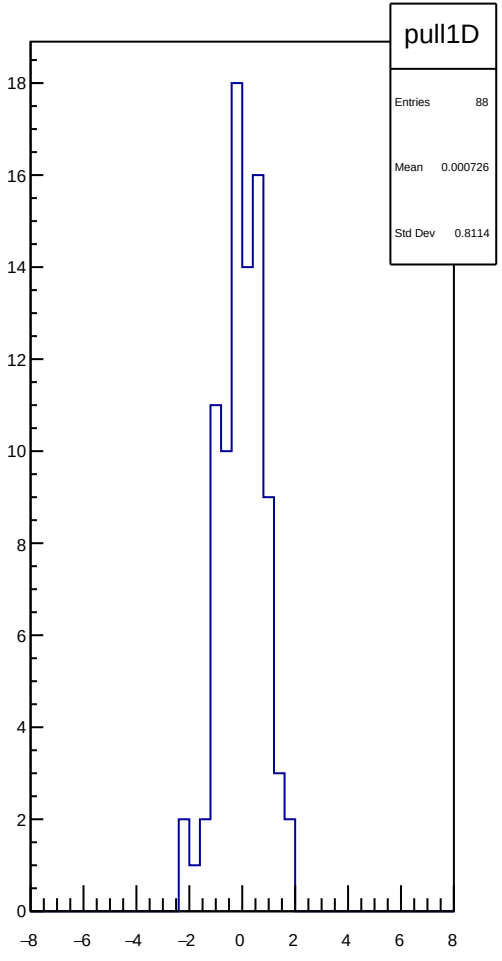

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 16.78 / 87
p0 8.008 ± 0.717
pull
Entries 88
Mean 1851
Std Dev 1835

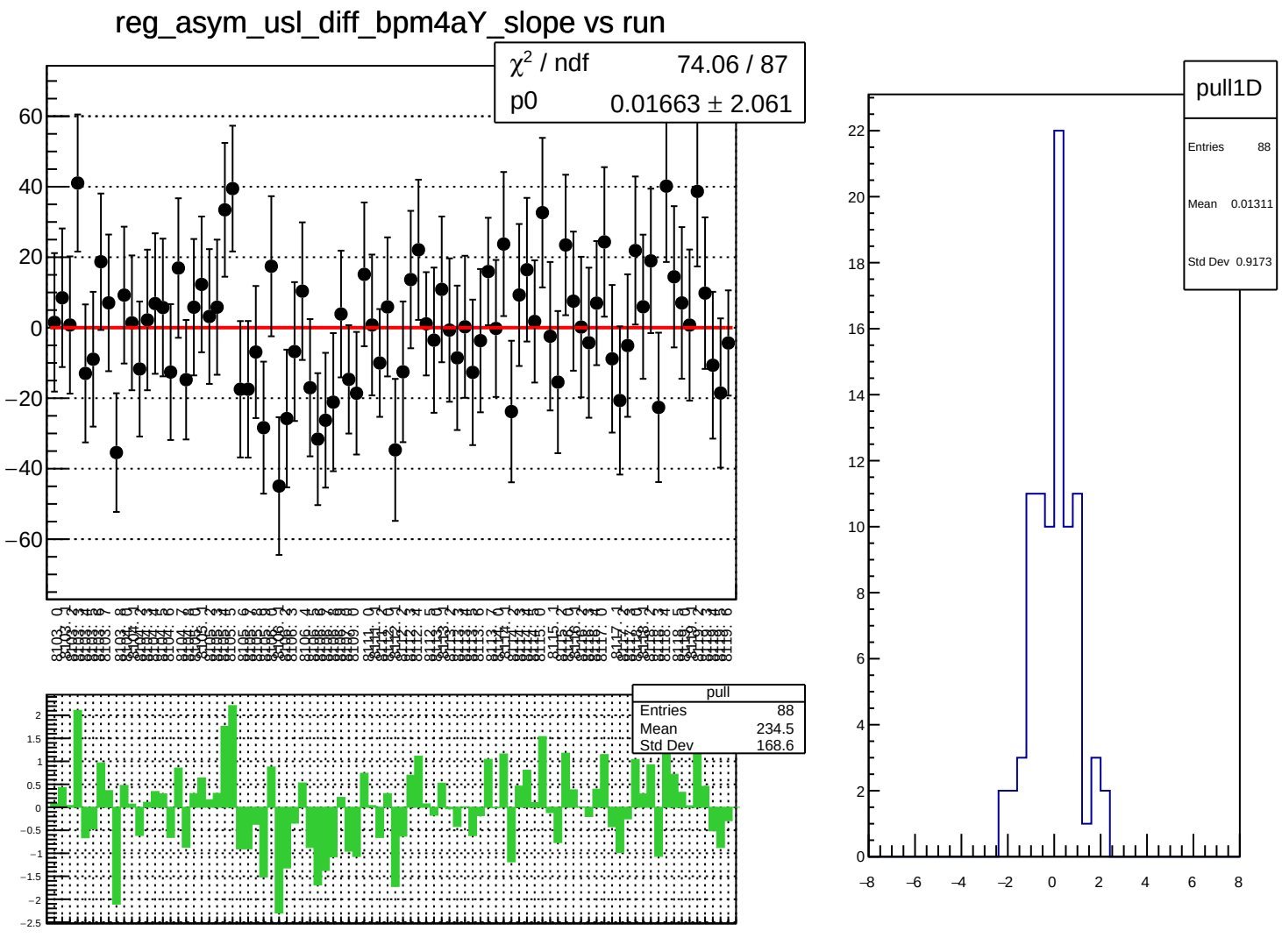

pull1D
Entries 88
Mean −0.001195
Std Dev 0.4367

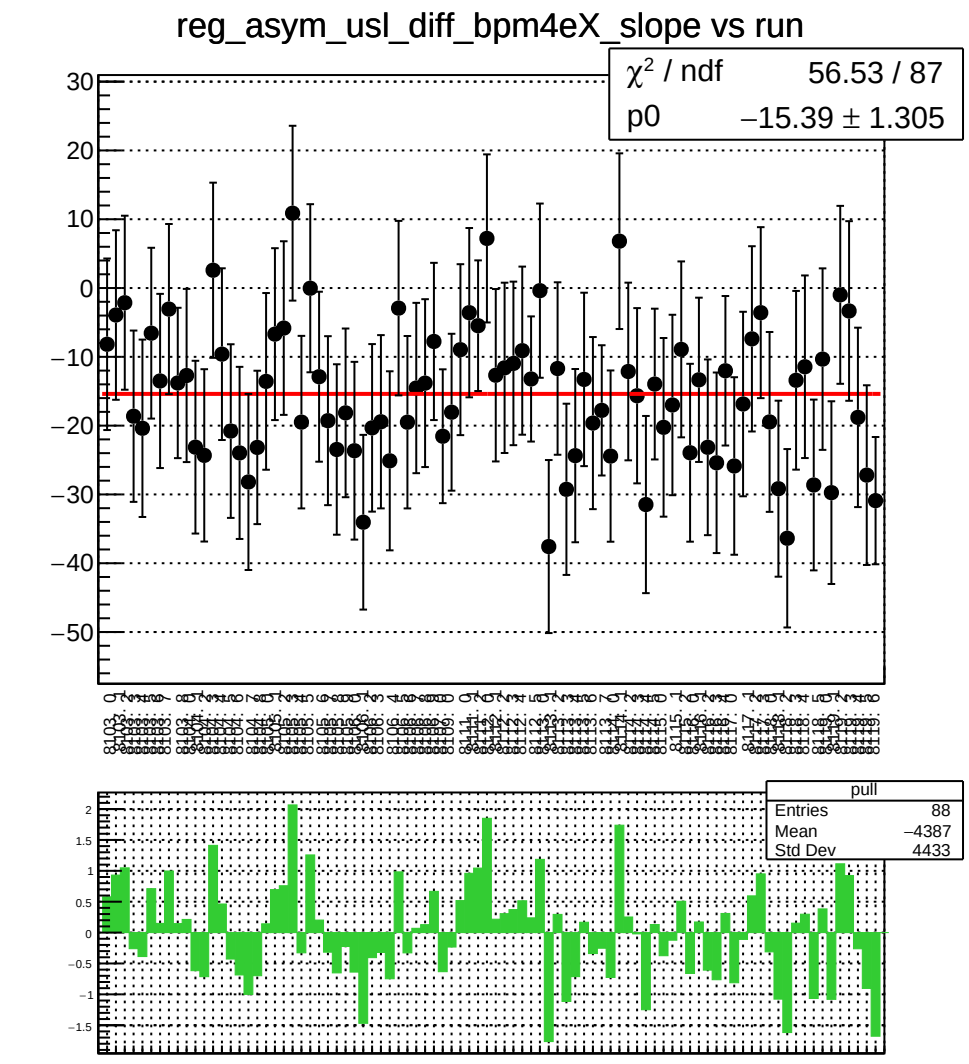

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 9.527 / 87
p0 −0.2192 ± 0.02694
pull
Entries 88
Mean −1562
Std Dev 1603

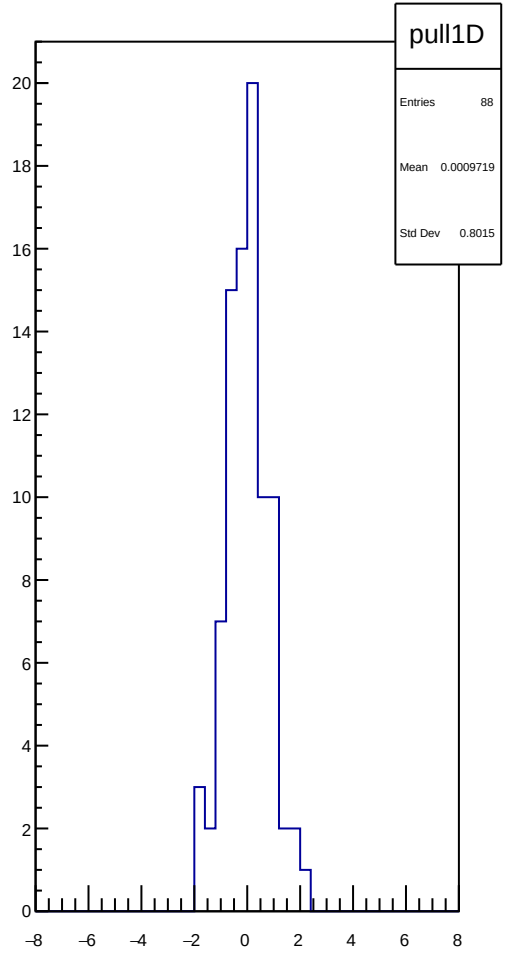

pull1D
Entries 88
Mean 0.002897
Std Dev 0.329

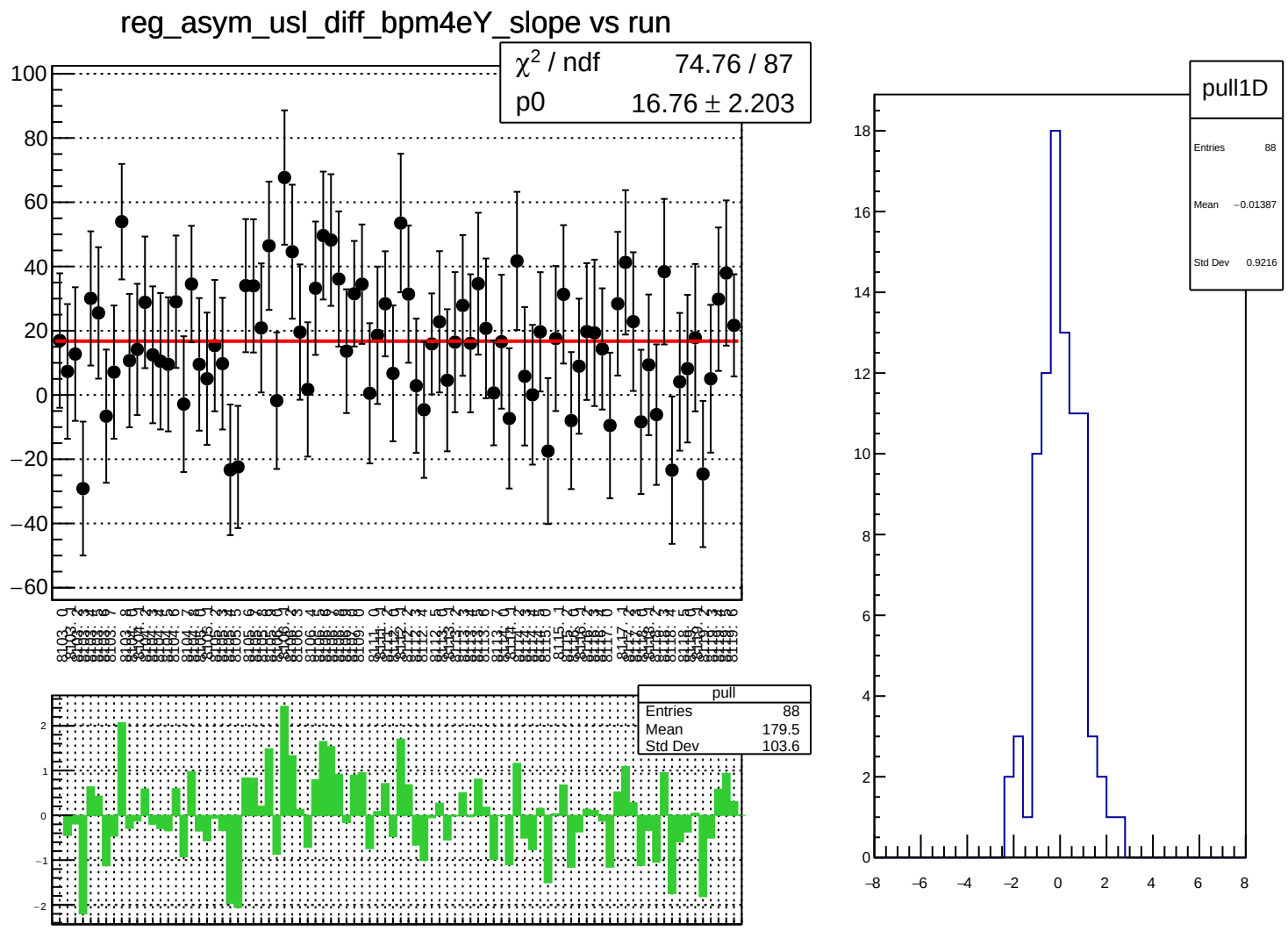

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 57.93 / 87
p0 −49.33 ± 1.373
pull
Entries 88
Mean 5889
Std Dev 5844

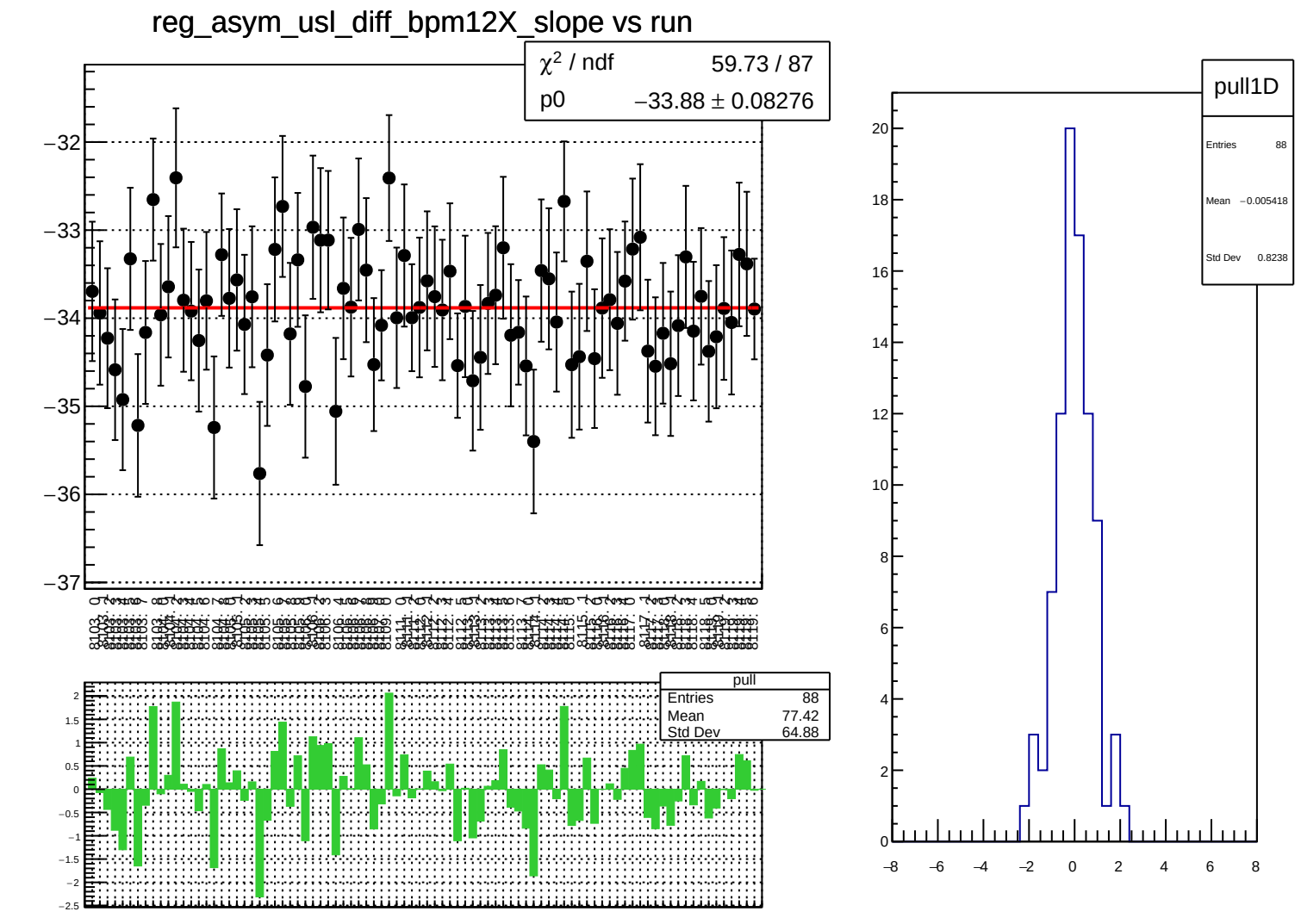

pull1D
Entries 88
Mean 0.000726
Std Dev 0.8114

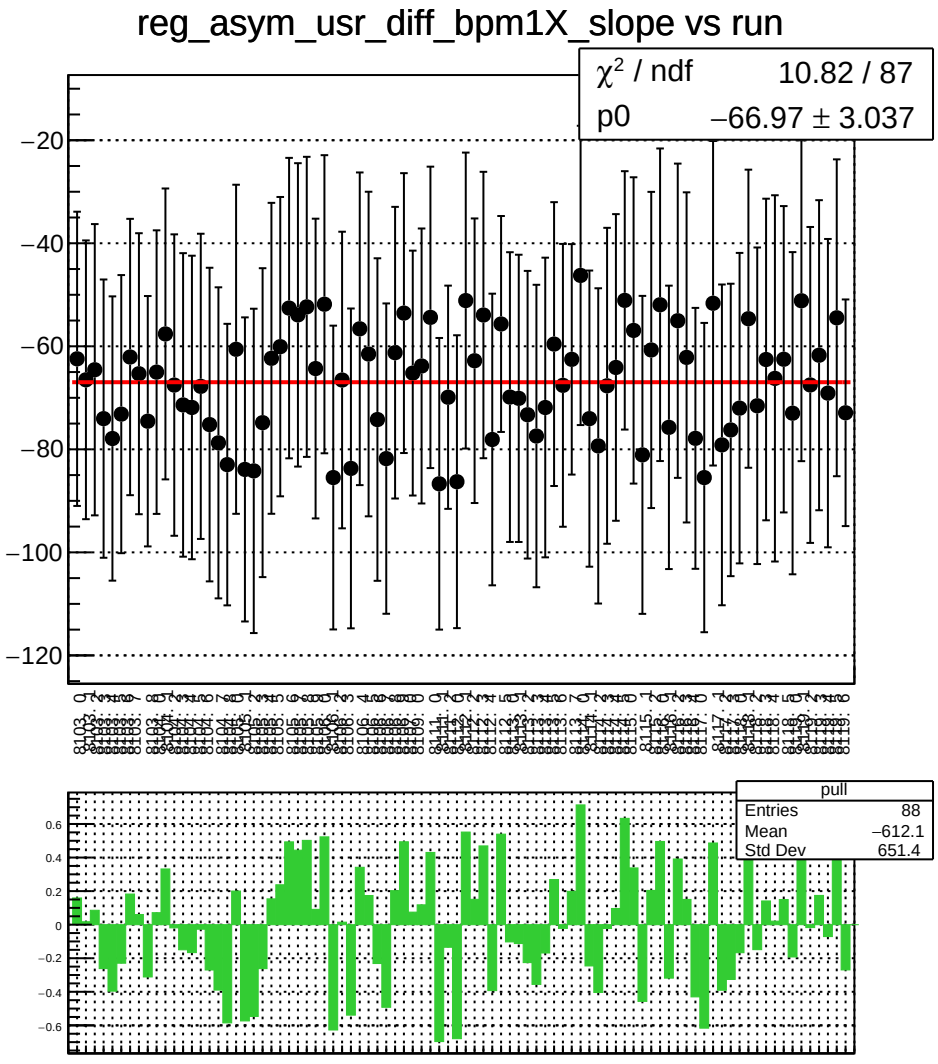

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 74.06 / 87
p0 0.01663 ± 2.061
pull
Entries 88
Mean 234.5
Std Dev 168.6
pull1D
Entries 88
Mean 0.01311
Std Dev 0.9173

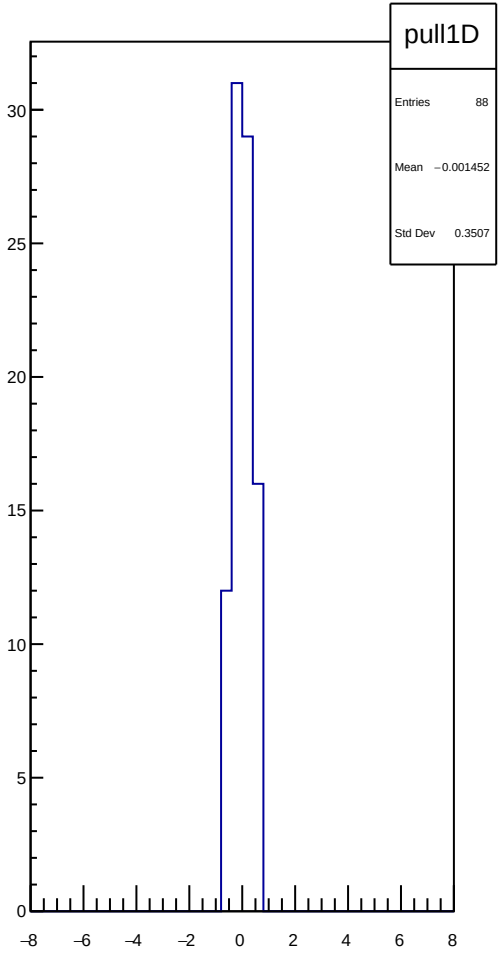

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 56.53 / 87
p0 −15.39 ± 1.305
pull
Entries 88
Mean −4387
Std Dev 4433

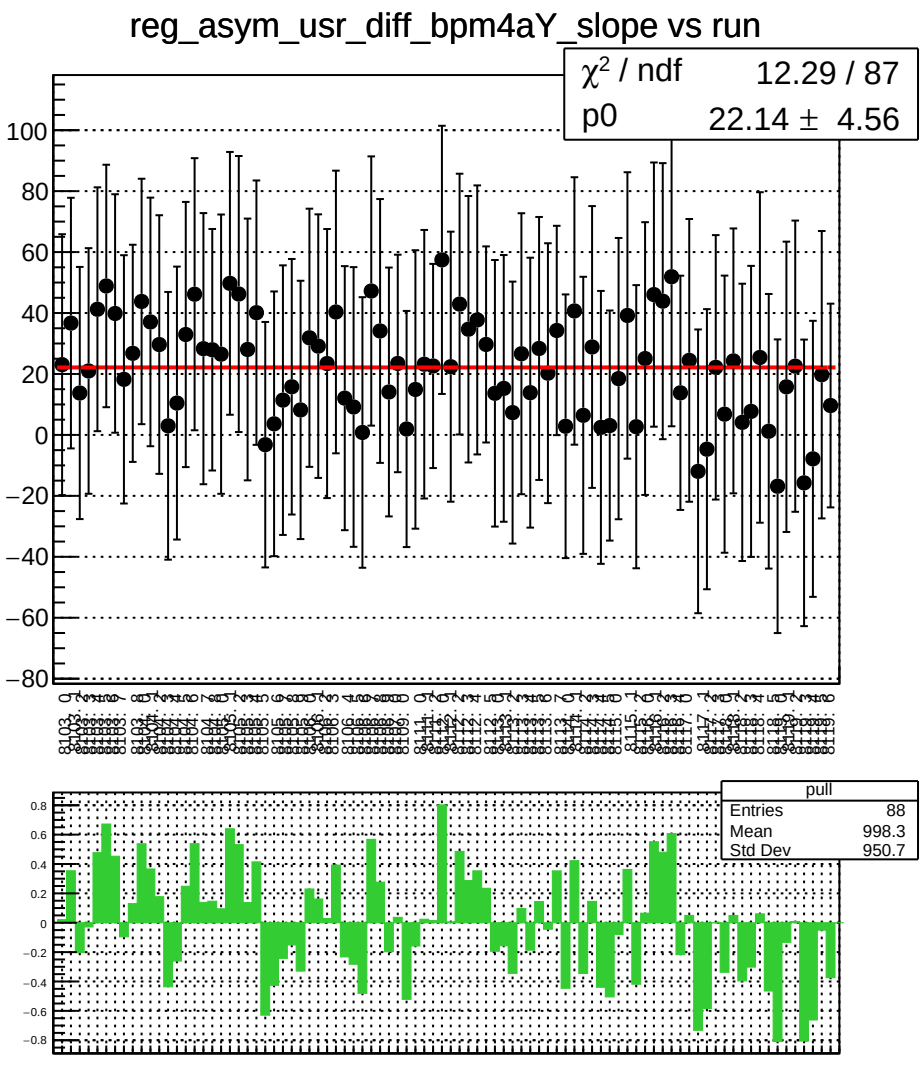

pull1D
Entries 88
Mean 0.0009719
Std Dev 0.8015

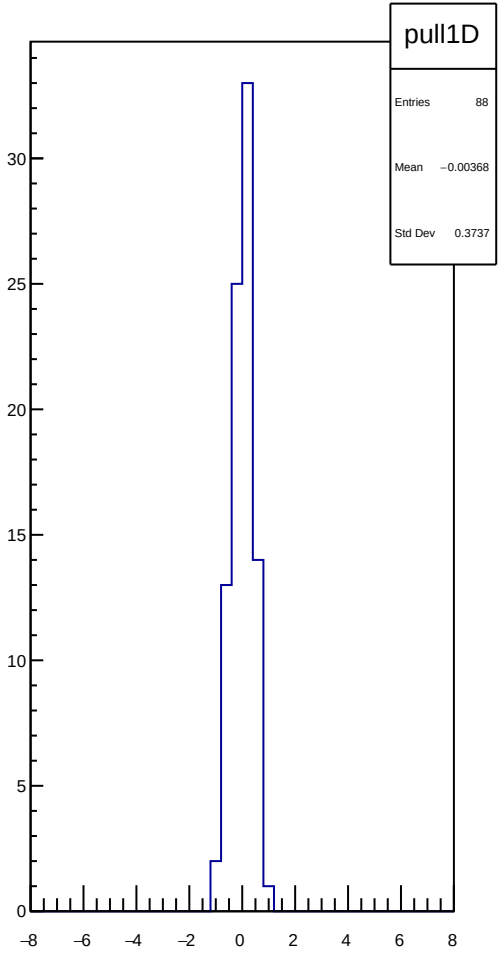

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 74.76 / 87
p0 16.76 ± 2.203
pull
Entries 88
Mean 179.5
Std Dev 103.6
pull1D
Entries 88
Mean −0.01387
Std Dev 0.9216

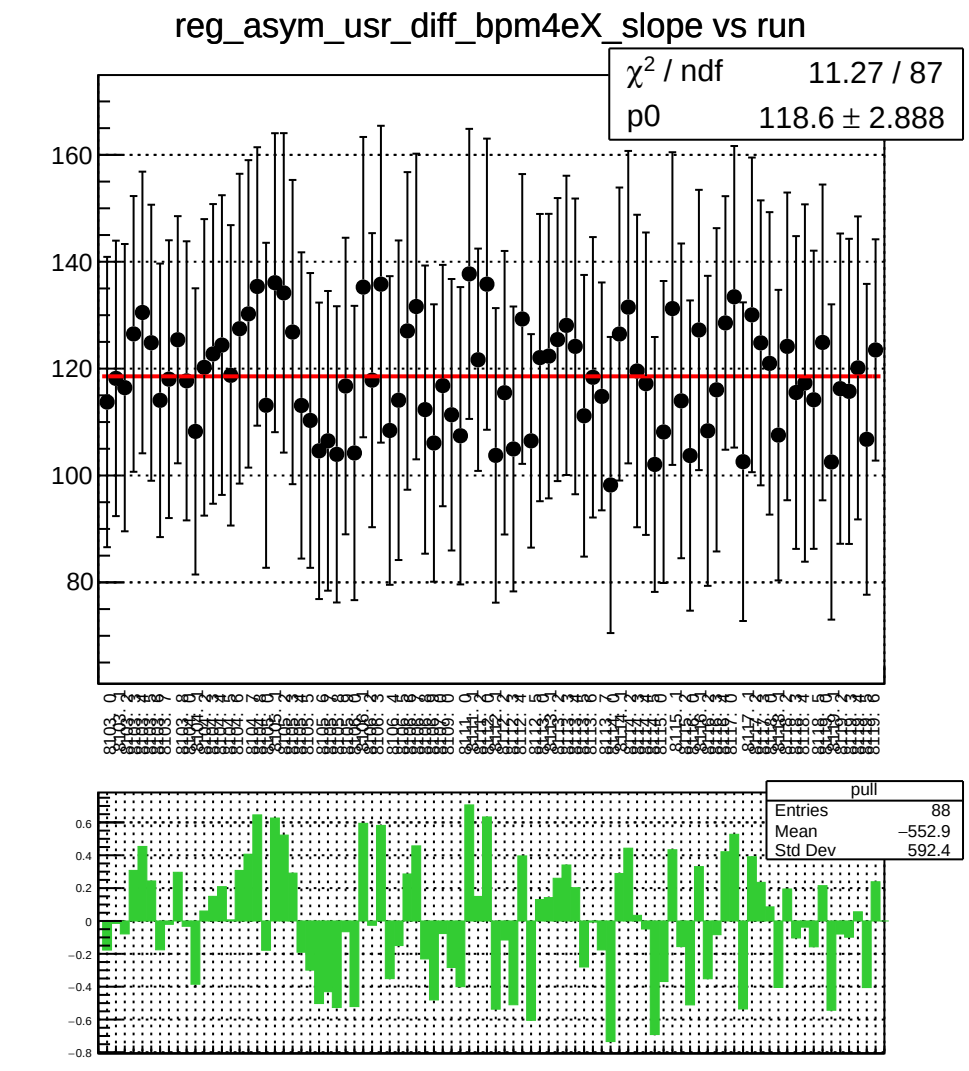

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 59.73 / 87
p0 −33.88 ± 0.08276
pull
Entries 88
Mean 77.42
Std Dev 64.88
pull1D
Entries 88
Mean −0.005418
Std Dev 0.8238

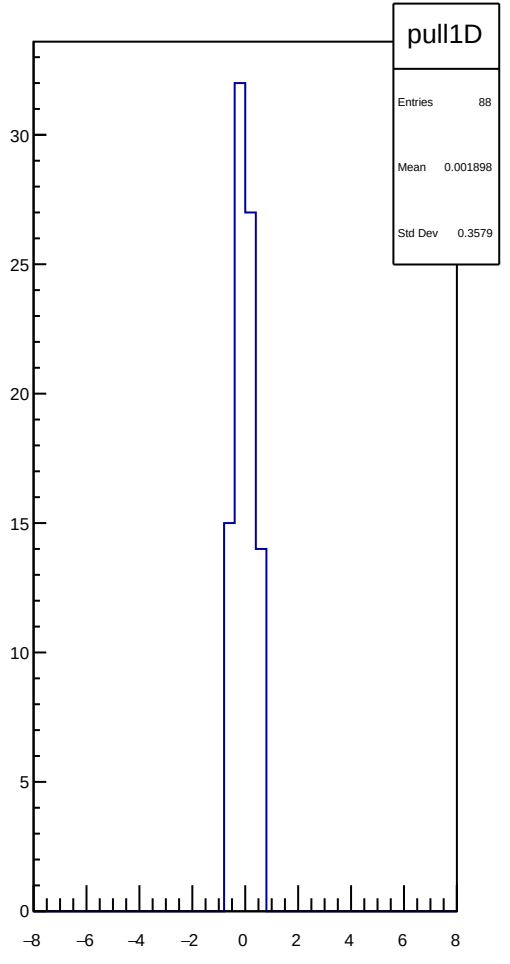

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 10.82 / 87
p0 −66.97 ± 3.037
pull
Entries 88
Mean −612.1
Std Dev 651.4

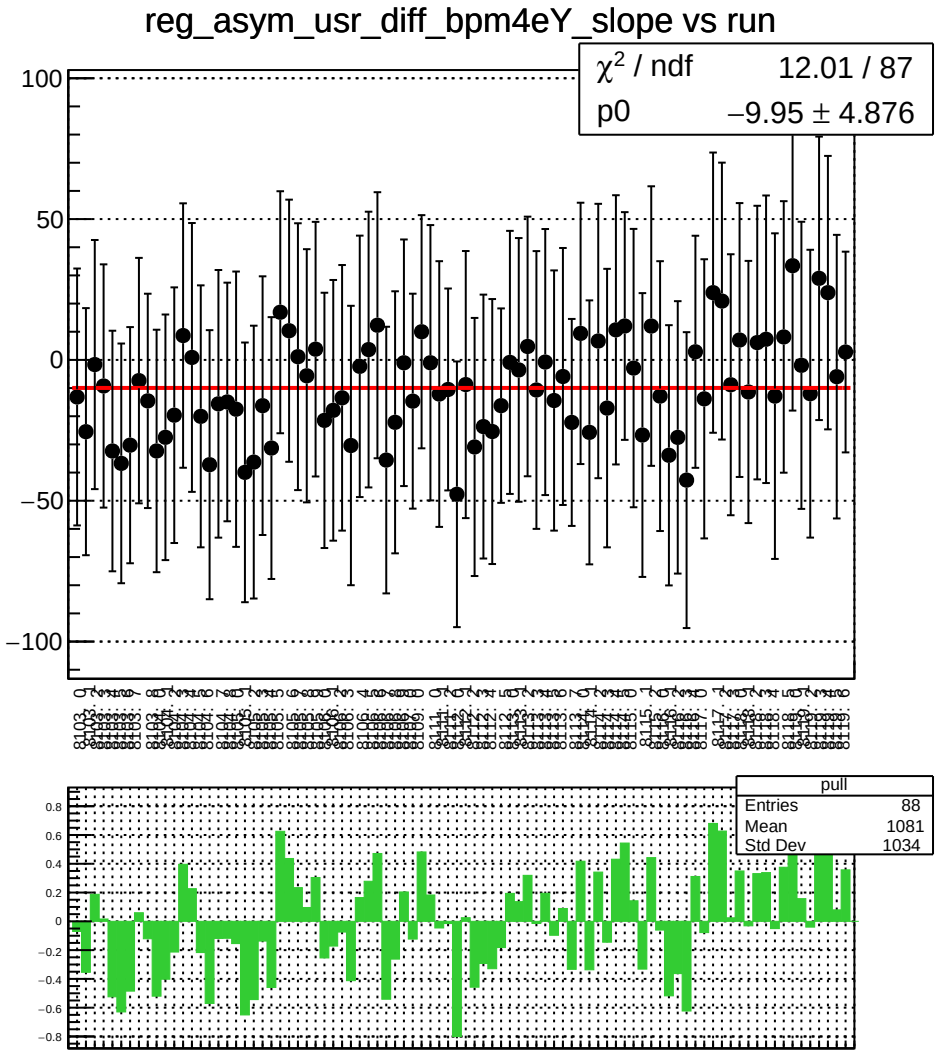

pull1D
Entries 88
Mean −0.001452
Std Dev 0.3507

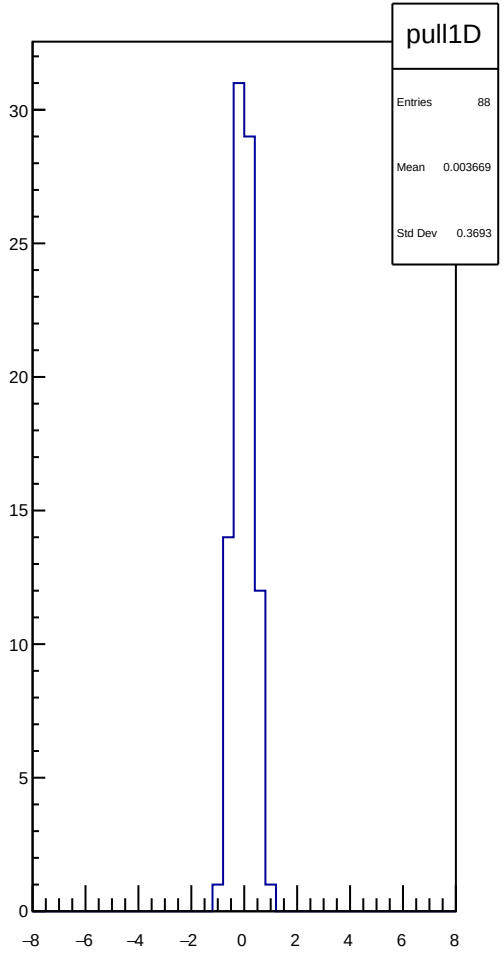

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 12.29 / 87
p0 22.14 ± 4.56
pull
Entries 88
Mean 998.3
Std Dev 950.7

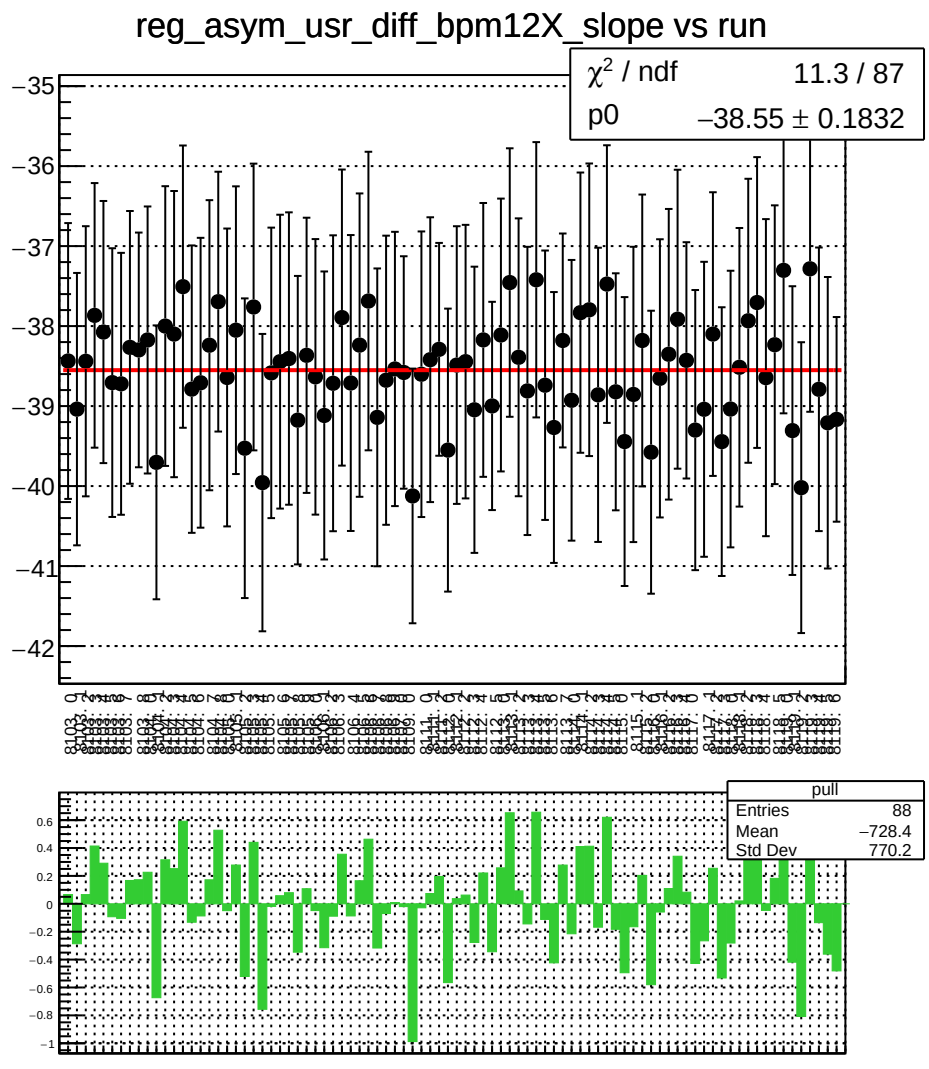

pull1D
Entries 88
Mean −0.00368
Std Dev 0.3737

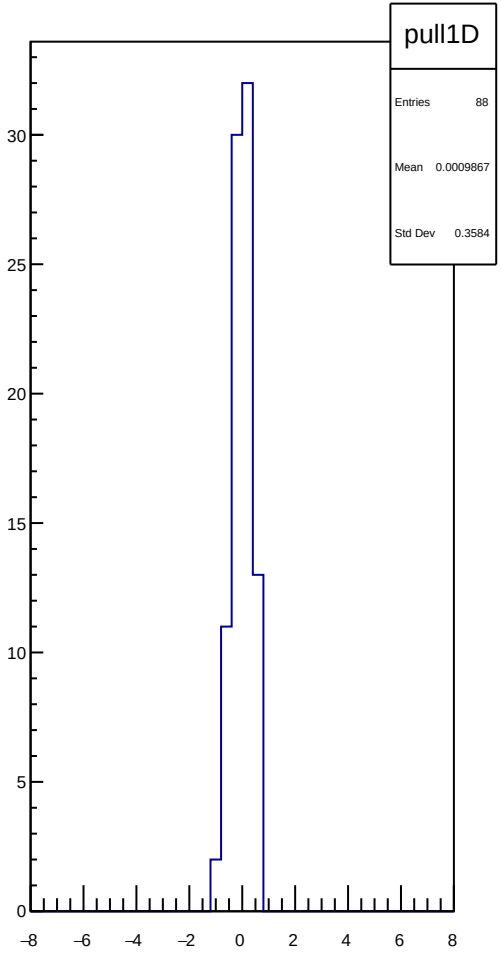

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 11.27 / 87
p0 118.6 ± 2.888
160
140
120
100
80
pull
Entries 88
Mean −552.9
Std Dev 592.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

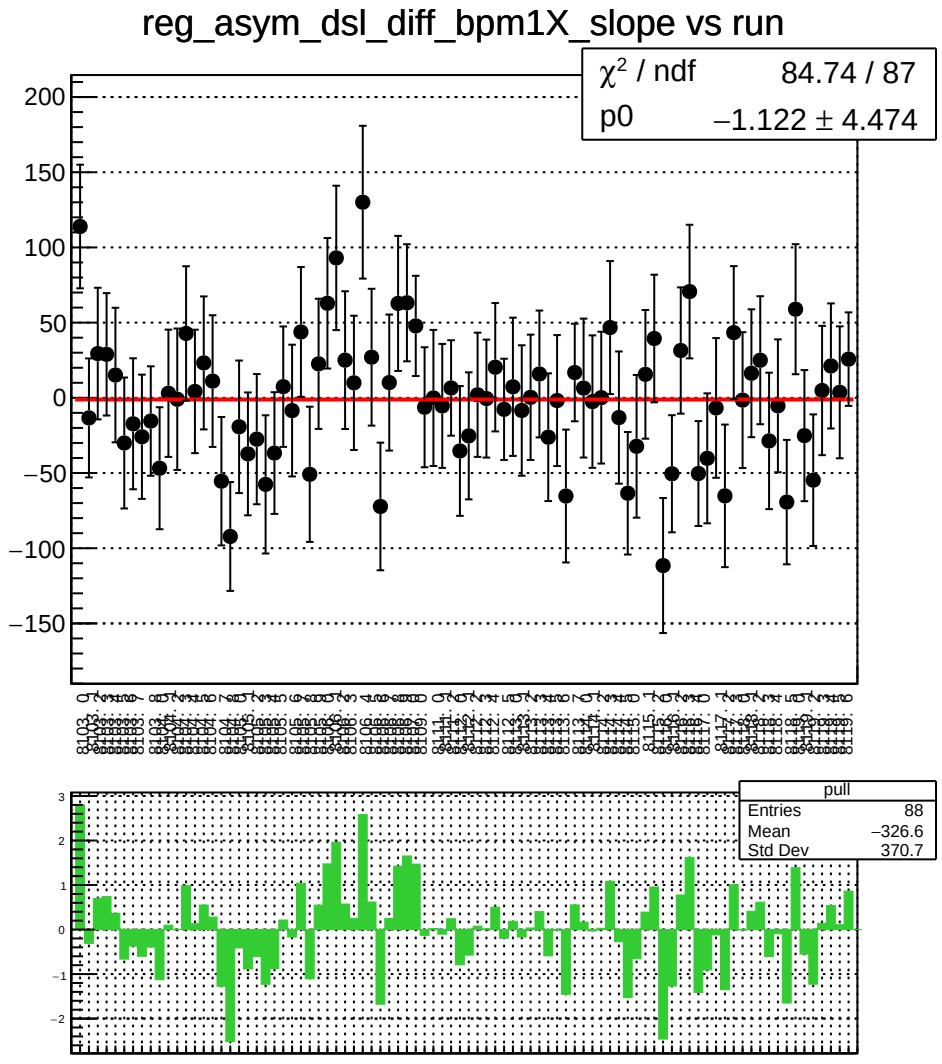

pull1D
Entries 88
Mean 0.001898
Std Dev 0.3579
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

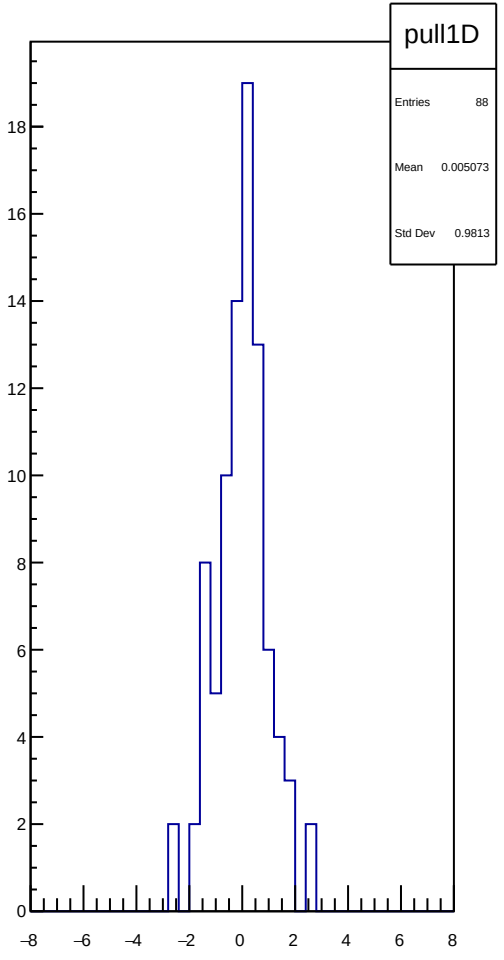

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 12.01 / 87
p0 −9.95 ± 4.876
100
50
0
−50
−100
pull
Entries 88
Mean 1081
Std Dev 1034
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

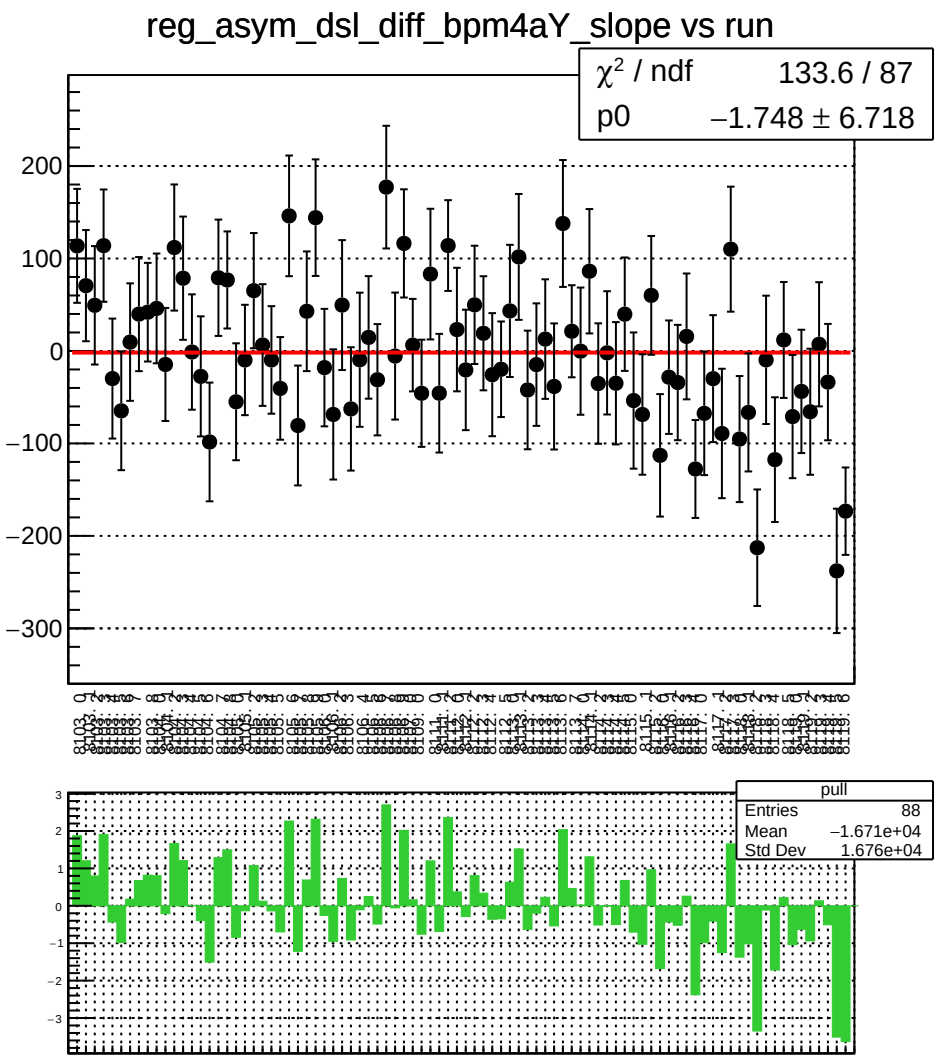

pull1D
Entries 88
Mean 0.003669
Std Dev 0.3693
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

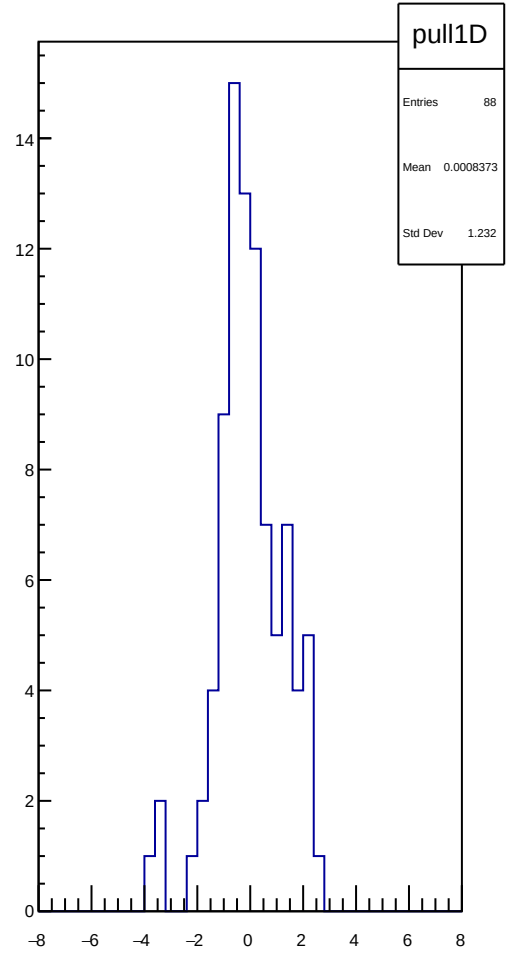

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 11.3 / 87
p0 −38.55 ± 0.1832
pull
Entries 88
Mean −728.4
Std Dev 770.2

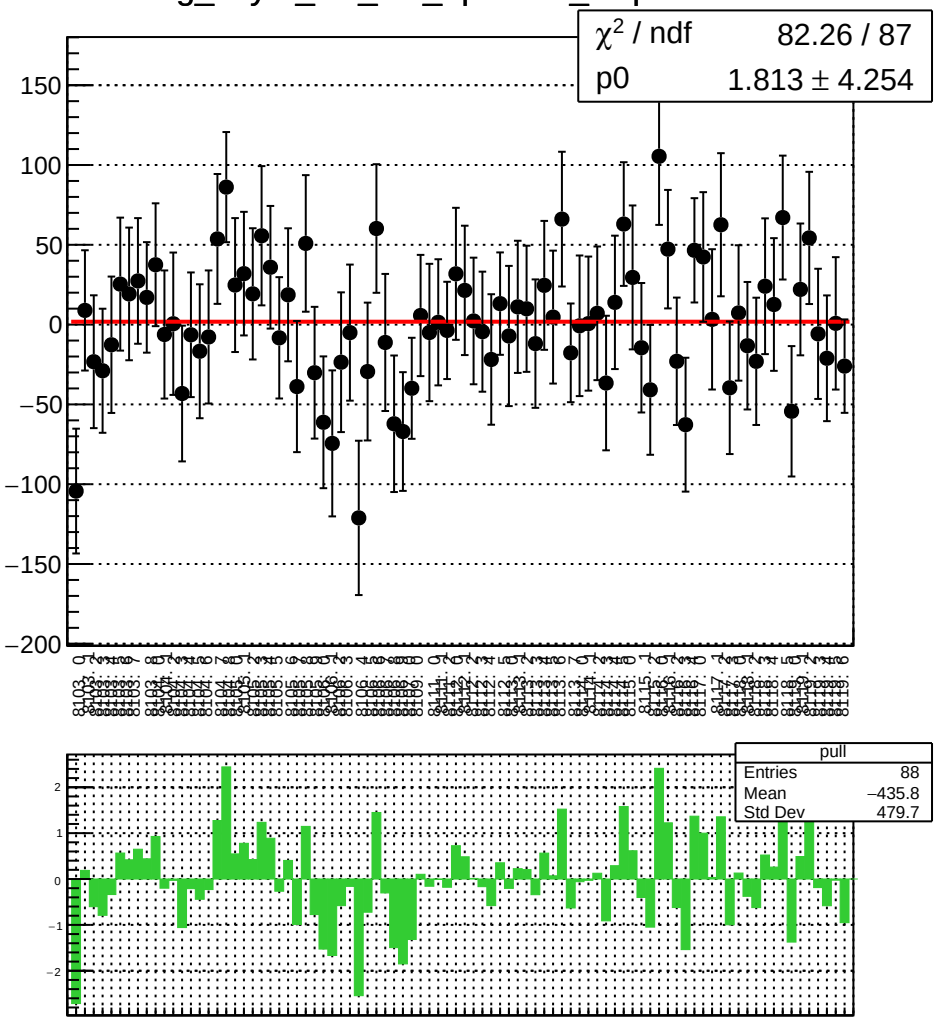

pull1D
Entries 88
Mean 0.0009867
Std Dev 0.3584

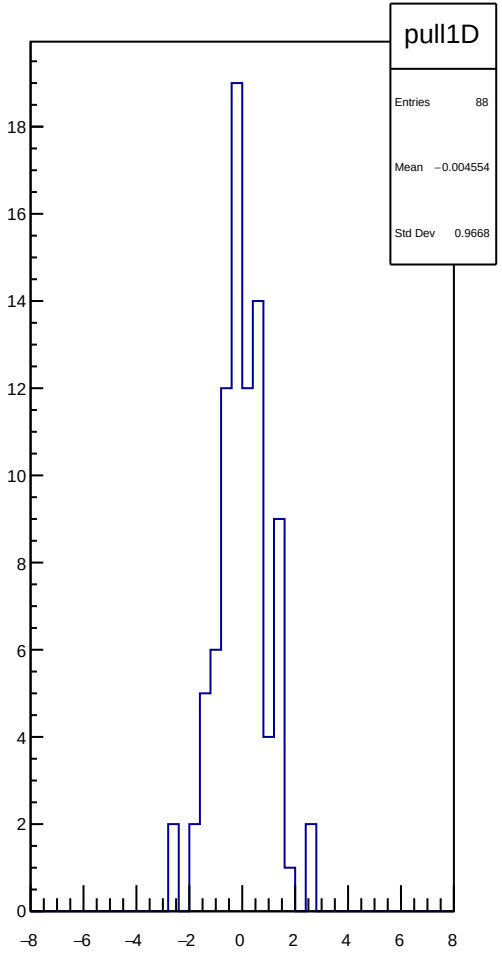

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 84.74 / 87
p0 −1.122 ± 4.474
pull
Entries 88
Mean −326.6
Std Dev 370.7

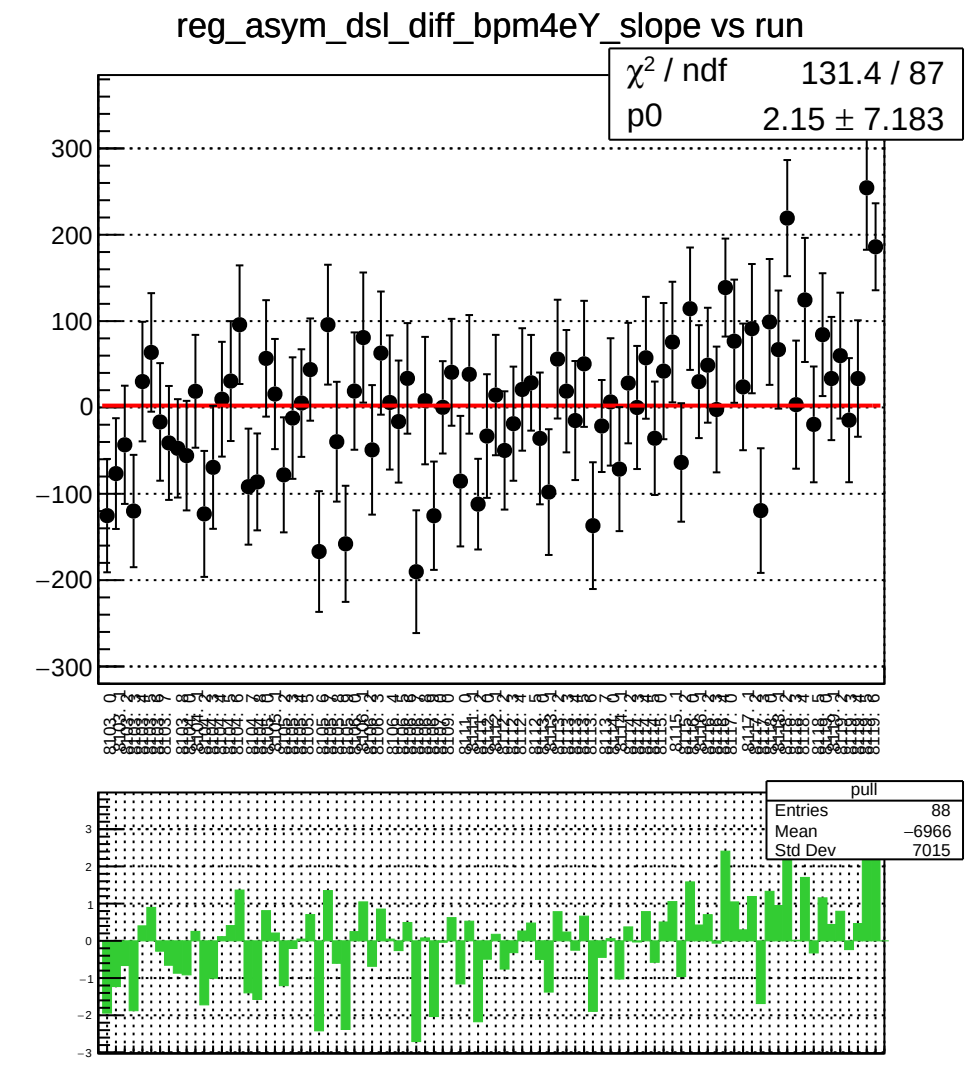

pull1D
Entries 88
Mean 0.005073
Std Dev 0.9813

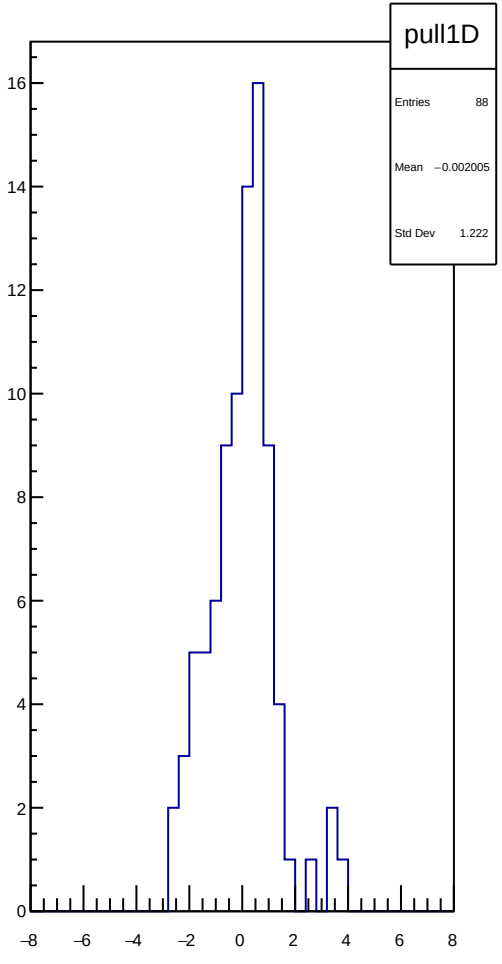

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 133.6 / 87
p0 −1.748 ± 6.718
200
100
0
−100
−200
−300
pull
Entries 88
Mean −1.671e+04
Std Dev 1.676e+04
3
2
1
0
−1
−2
−3

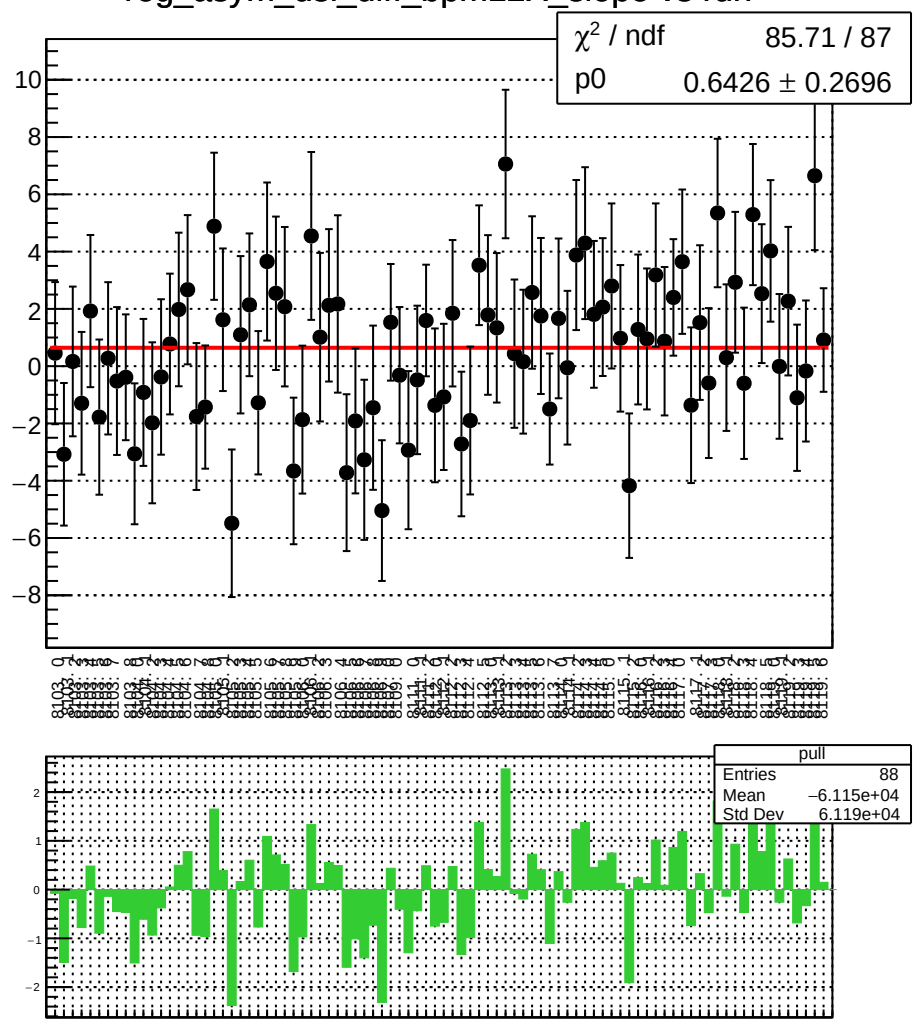

pull1D
Entries 88
Mean 0.0008373
Std Dev 1.232
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

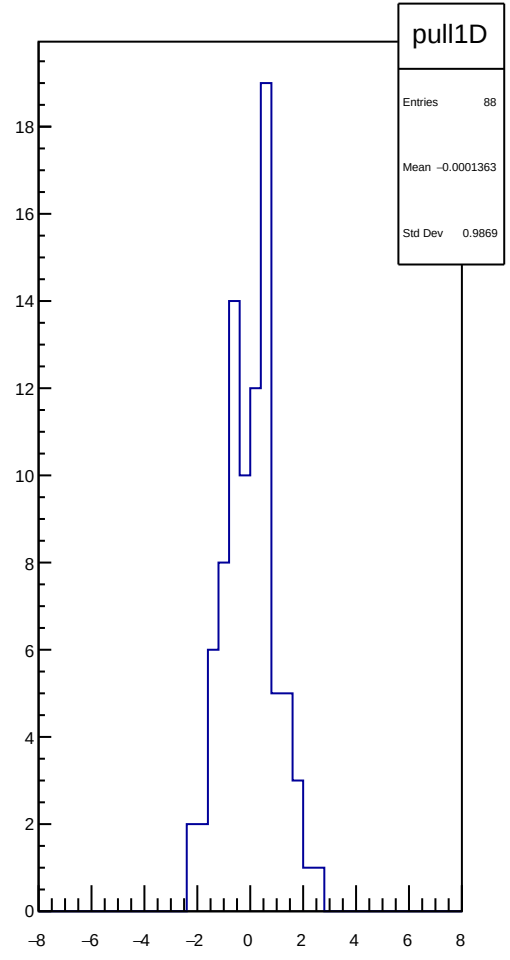

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 82.26 / 87
p0 1.813 ± 4.254
pull
Entries 88
Mean −435.8
Std Dev 479.7

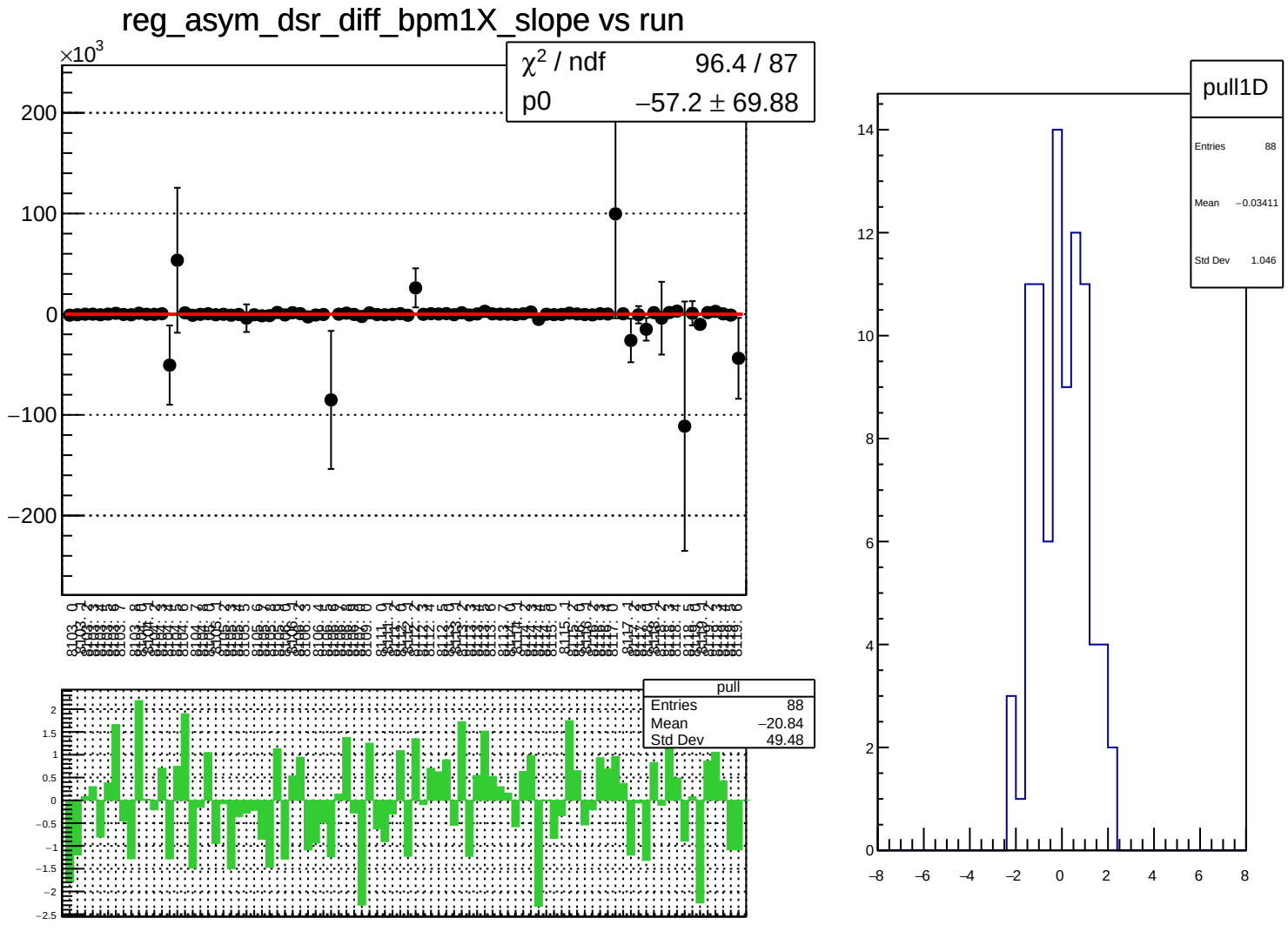

pull1D
Entries 88
Mean −0.004554
Std Dev 0.9668

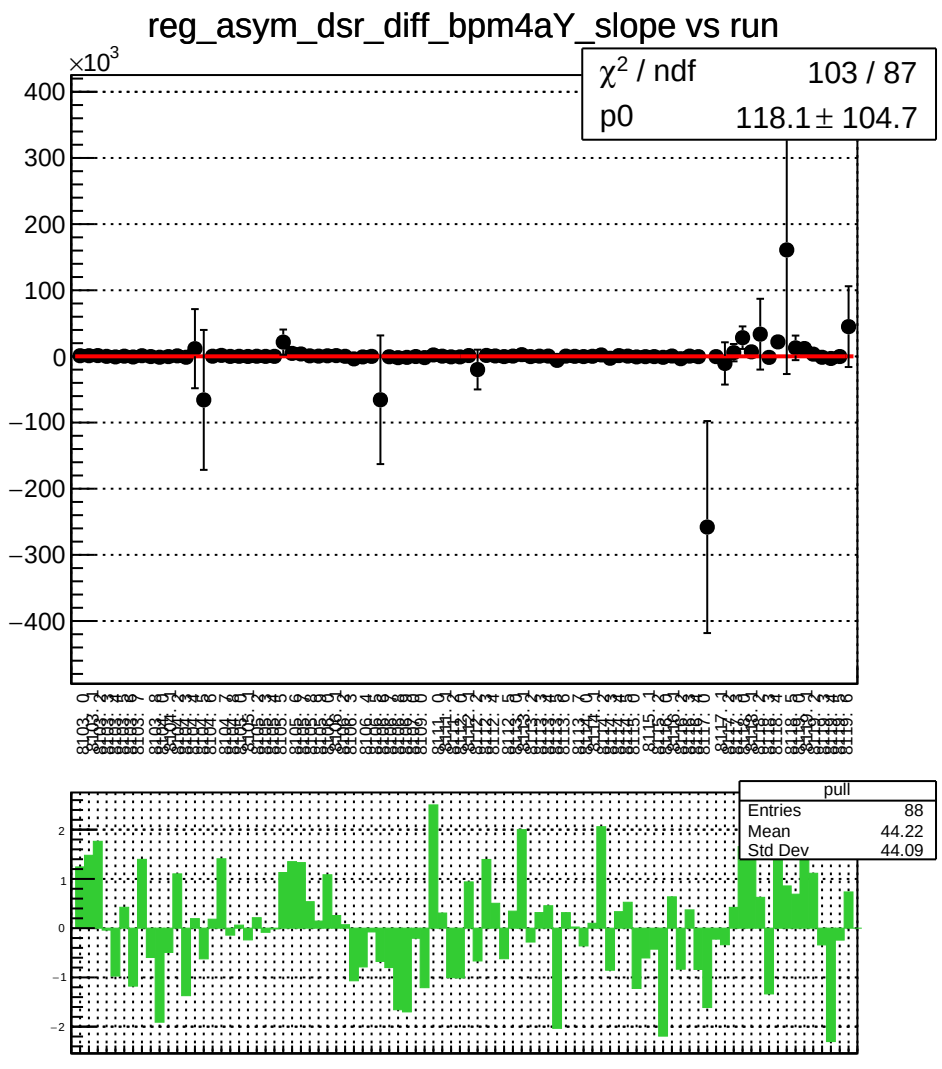

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 131.4 / 87
p0 2.15 ± 7.183
pull
Entries 88
Mean −6966
Std Dev 7015

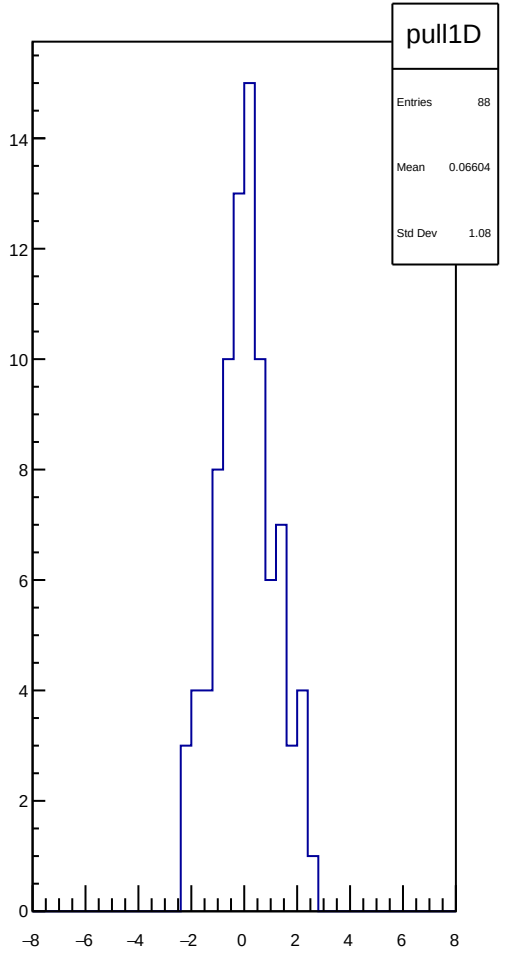

pull1D
Entries 88
Mean −0.002005
Std Dev 1.222

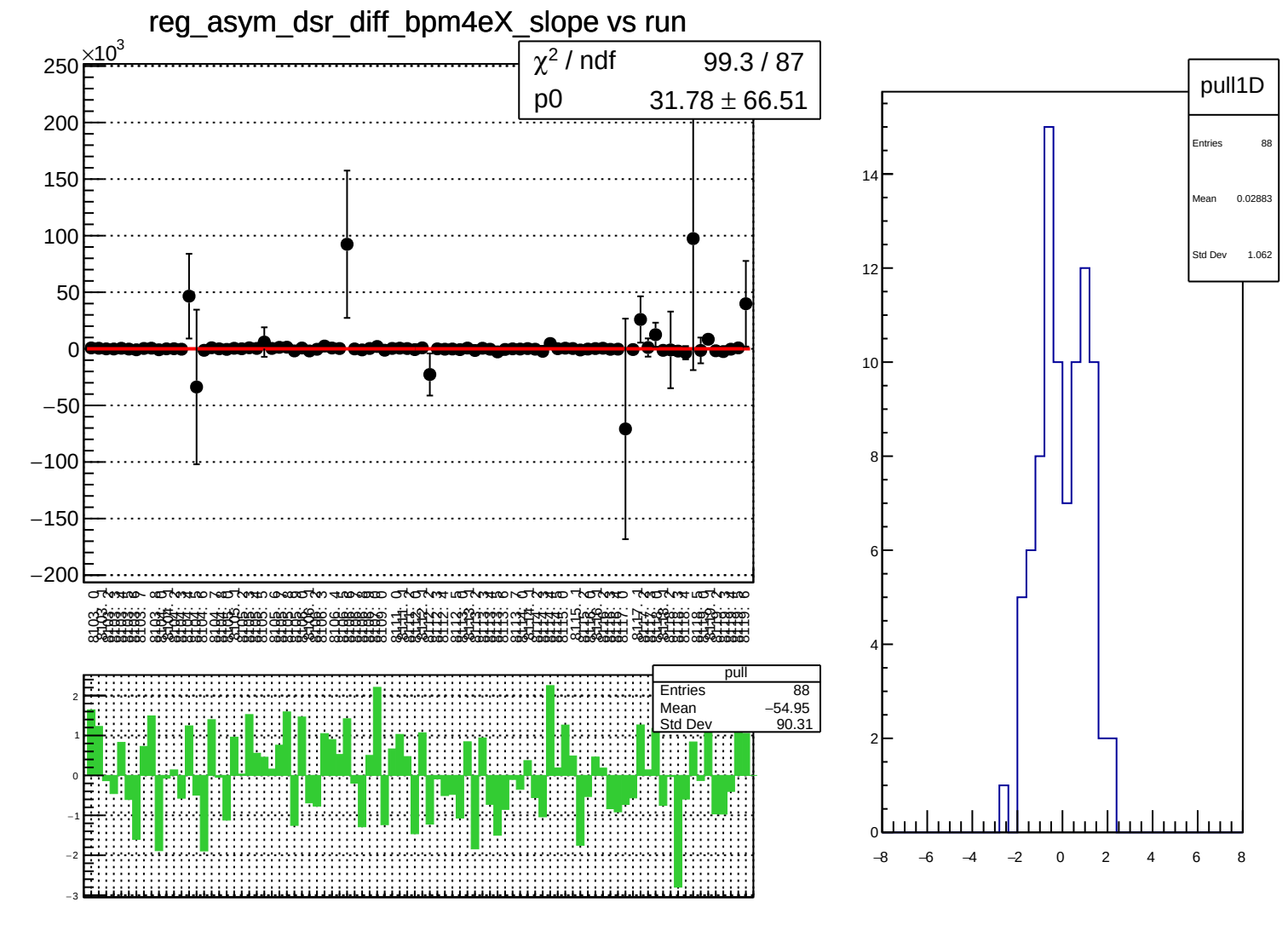

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 85.71 / 87
p0 0.6426 ± 0.2696
pull
Entries 88
Mean −6.115e+04
Std Dev 6.119e+04

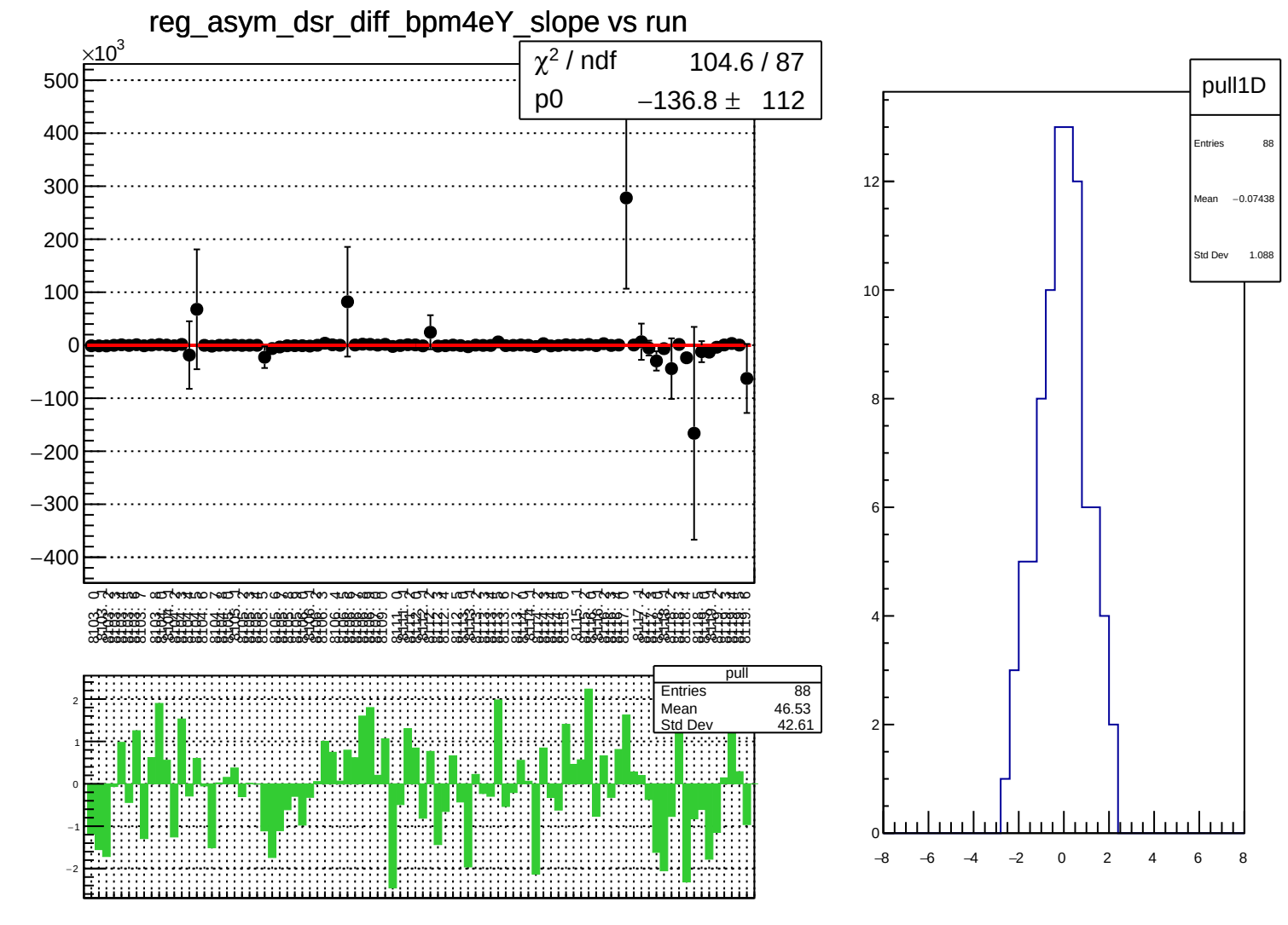

pull1D
Entries 88
Mean −0.0001363
Std Dev 0.9869

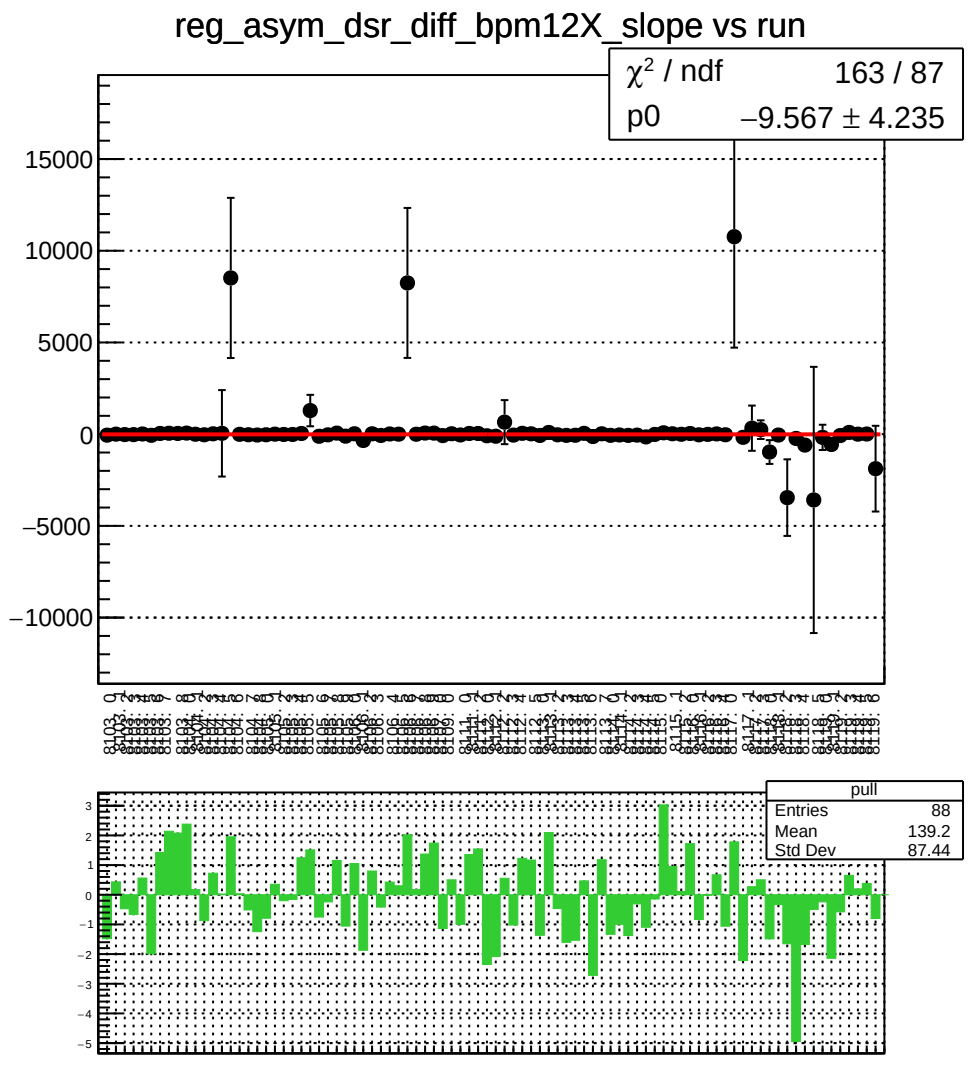

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 96.4 / 87
p0 −57.2 ± 69.88
×10³
200
100
0
−100
−200
pull
Entries 88
Mean −20.84
Std Dev 49.48
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 88
Mean −0.03411
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

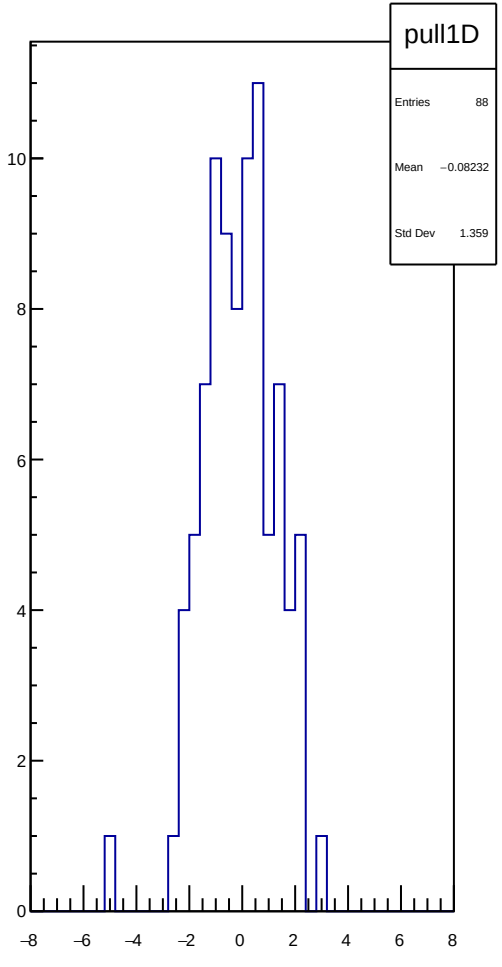

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 103 / 87
p0 118.1 ± 104.7
pull
Entries 88
Mean 44.22
Std Dev 44.09

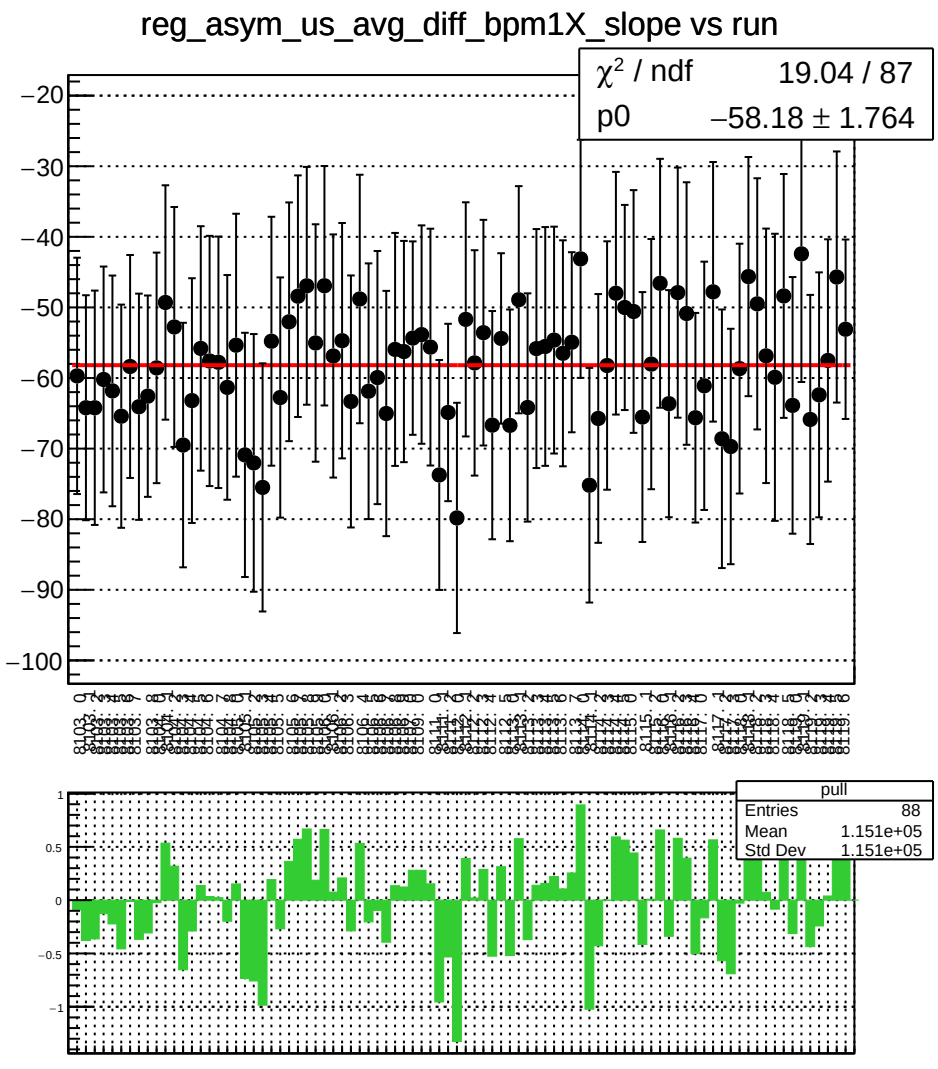

pull1D
Entries 88
Mean 0.06604
Std Dev 1.08

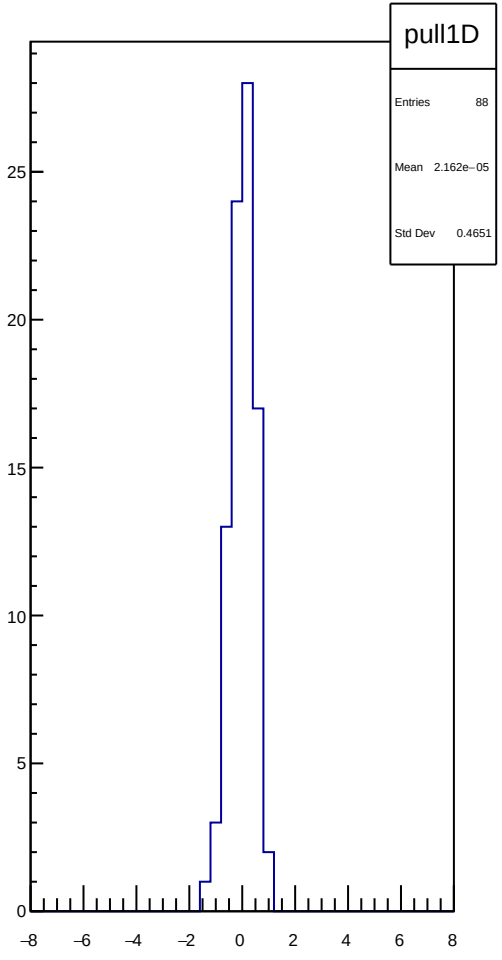

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 99.3 / 87
p0 31.78 ± 66.51
×10³
pull
Entries 88
Mean −54.95
Std Dev 90.31
pull1D
Entries 88
Mean 0.02883
Std Dev 1.062

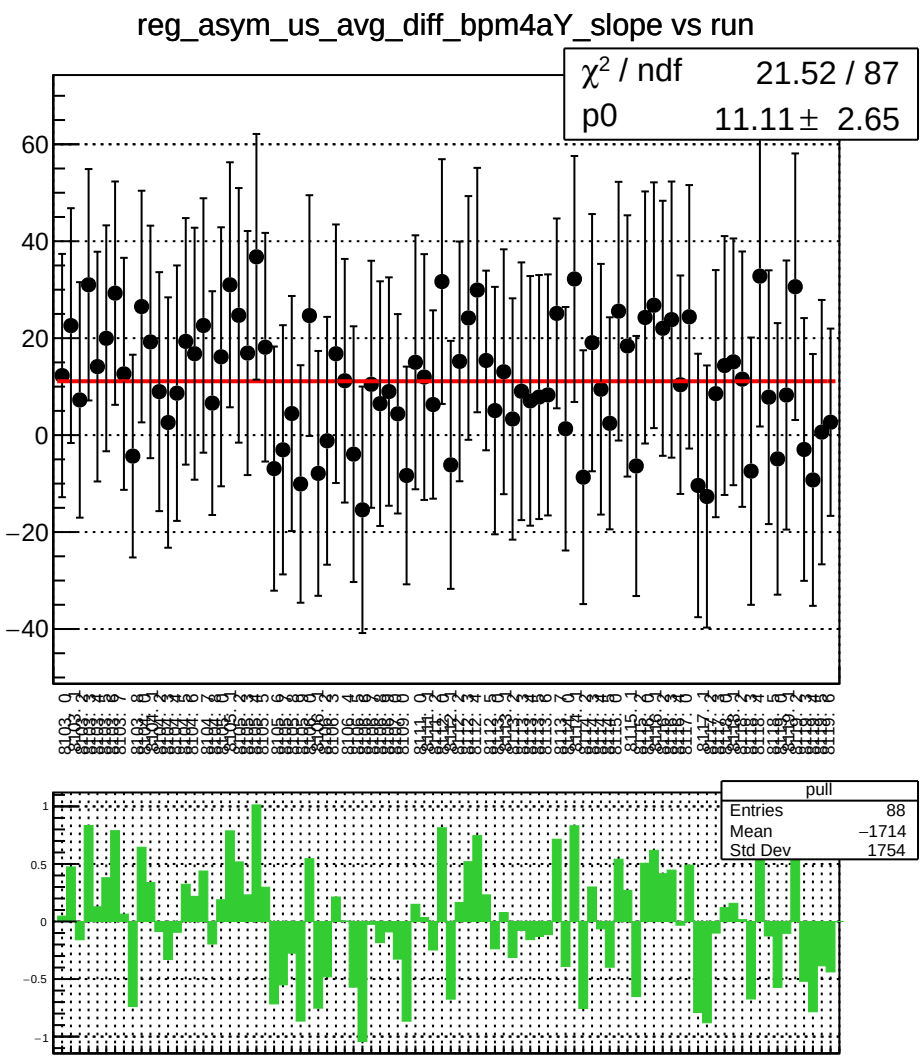

reg_asym_dsr_diff_bpm4eY_slope vs run
χ2 / ndf 104.6 / 87
p0 −136.8 ± 112
pull
Entries 88
Mean 46.53
Std Dev 42.61
pull1D
Entries 88
Mean −0.07438
Std Dev 1.088

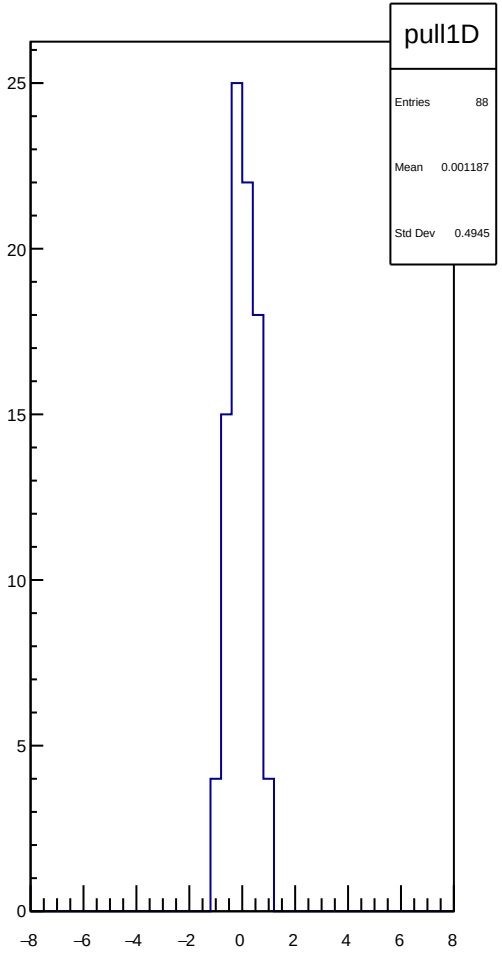

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 163 / 87
p0 −9.567 ± 4.235
15000
10000
5000
0
−5000
−10000
pull
Entries 88
Mean 139.2
Std Dev 87.44
3
2
1
0
−1
−2
−3
−4
−5

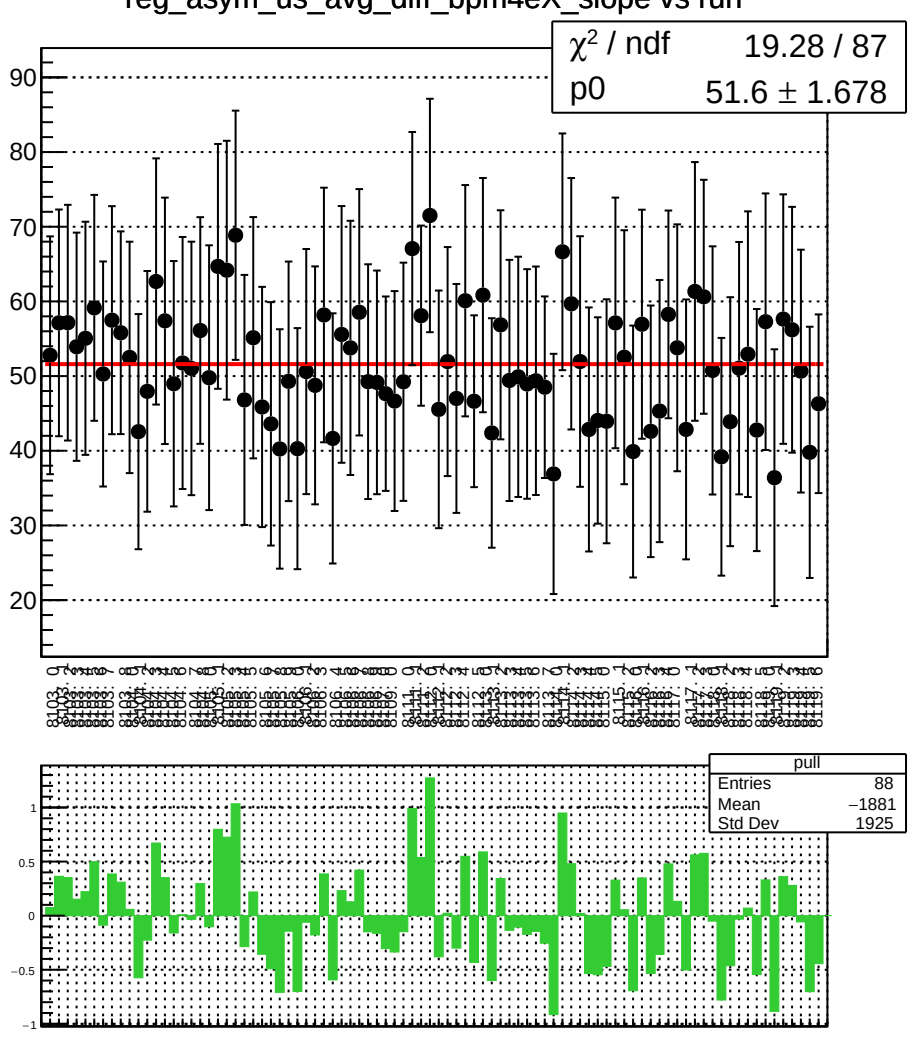

pull1D
Entries 88
Mean −0.08232
Std Dev 1.359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

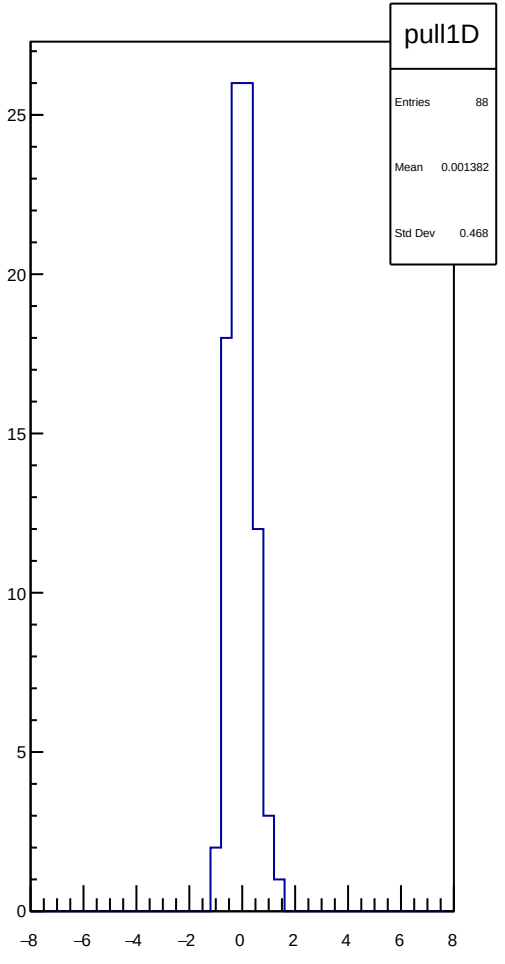

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 19.04 / 87
p0 −58.18 ± 1.764
pull
Entries 88
Mean 1.151e+05
Std Dev 1.151e+05

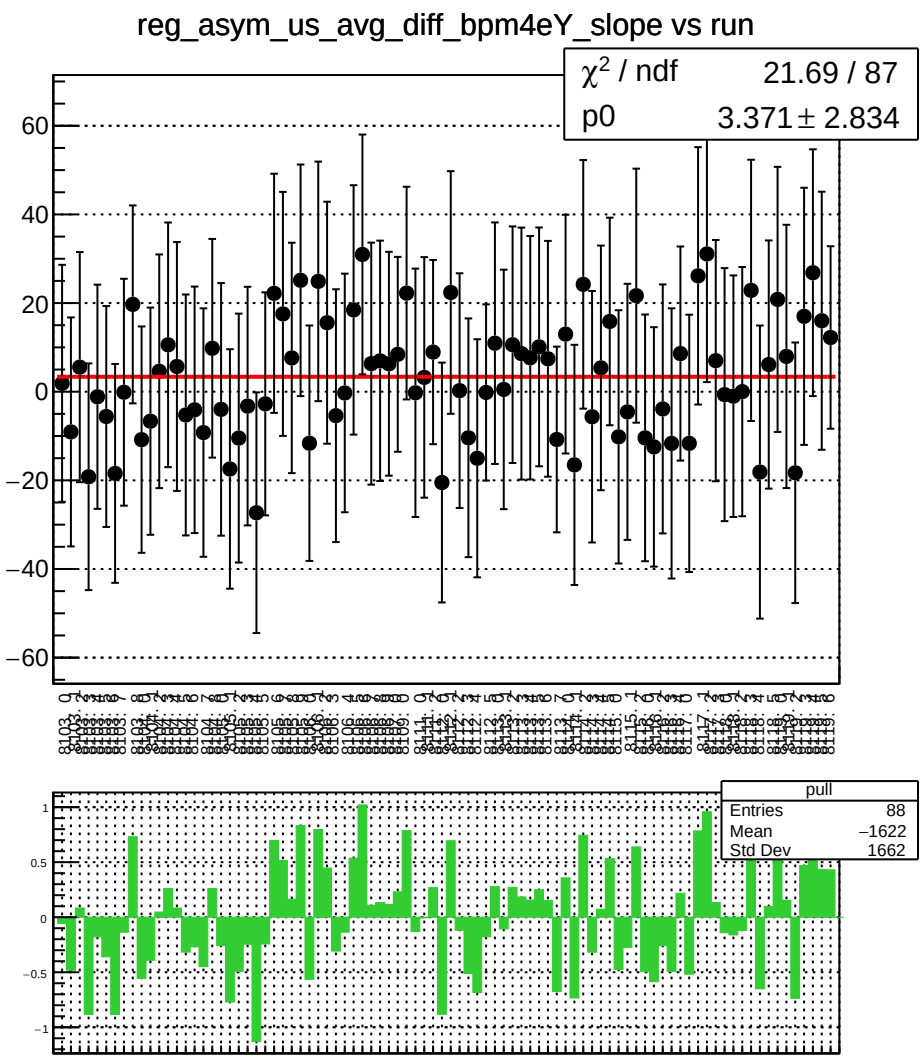

pull1D
Entries 88
Mean 2.162e−05
Std Dev 0.4651

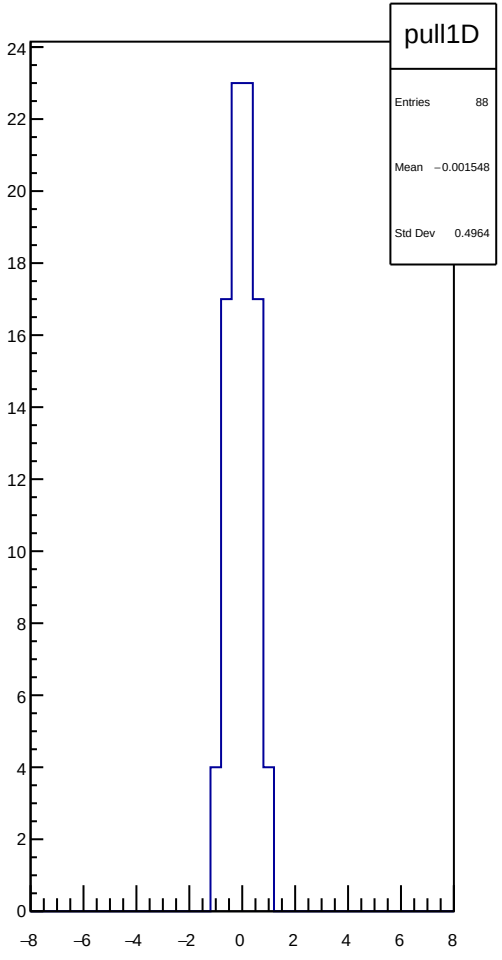

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.52 / 87
p0 11.11 ± 2.65
pull
Entries 88
Mean −1714
Std Dev 1754

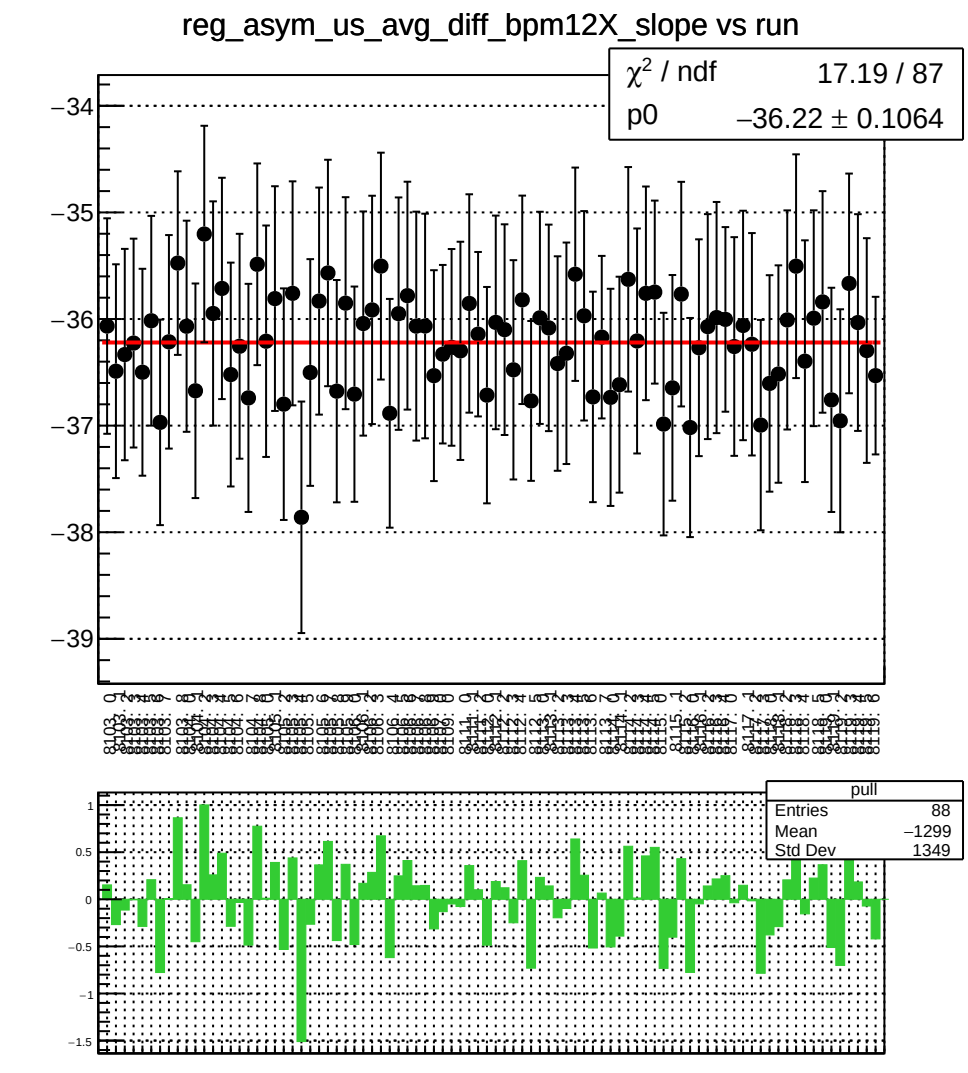

pull1D
Entries 88
Mean 0.001187
Std Dev 0.4945

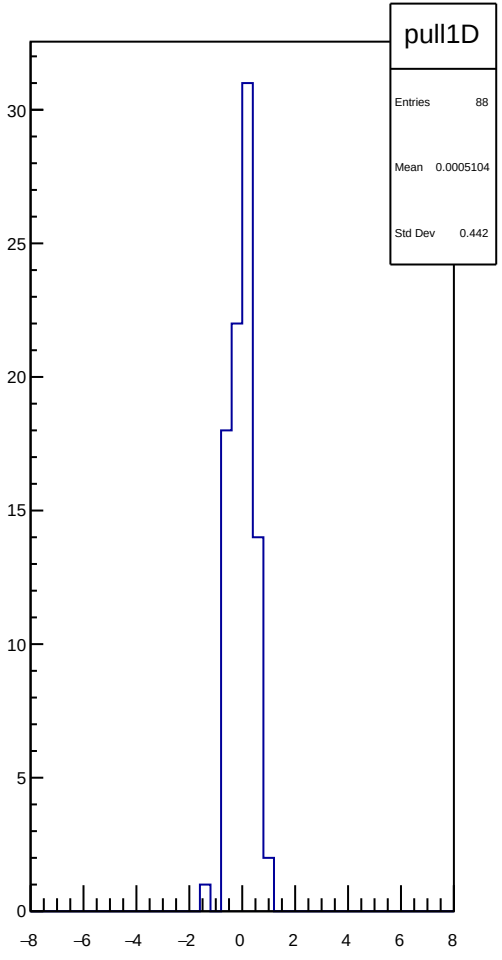

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.28 / 87
p0 51.6 ± 1.678
pull
Entries 88
Mean −1881
Std Dev 1925

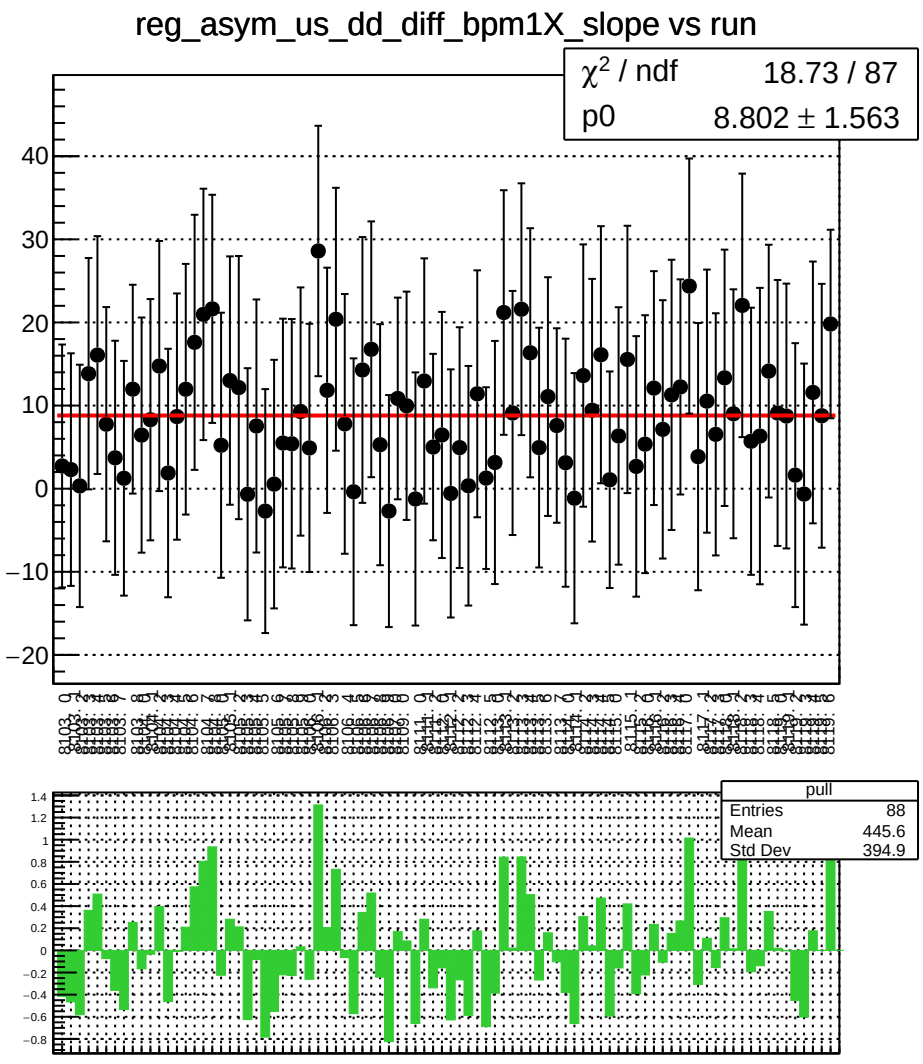

pull1D
Entries 88
Mean 0.001382
Std Dev 0.468

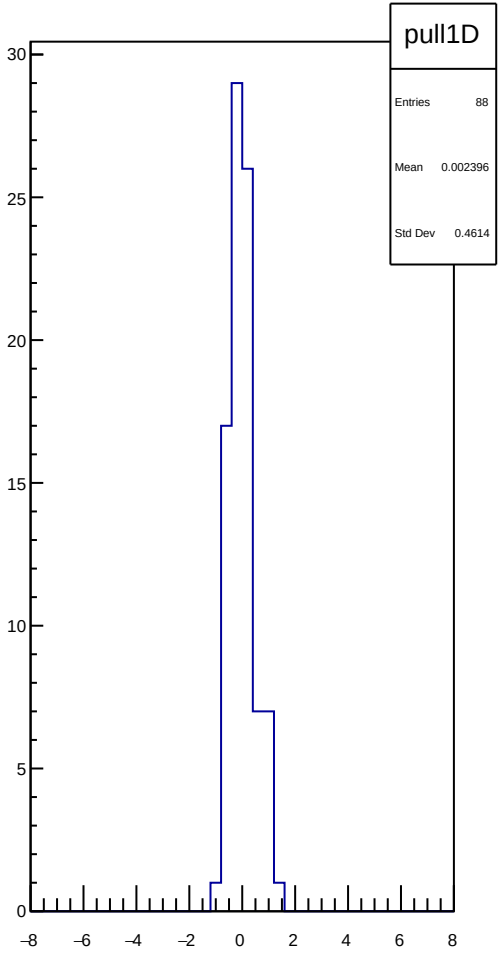

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.69 / 87
p0 3.371 ± 2.834
pull
Entries 88
Mean −1622
Std Dev 1662

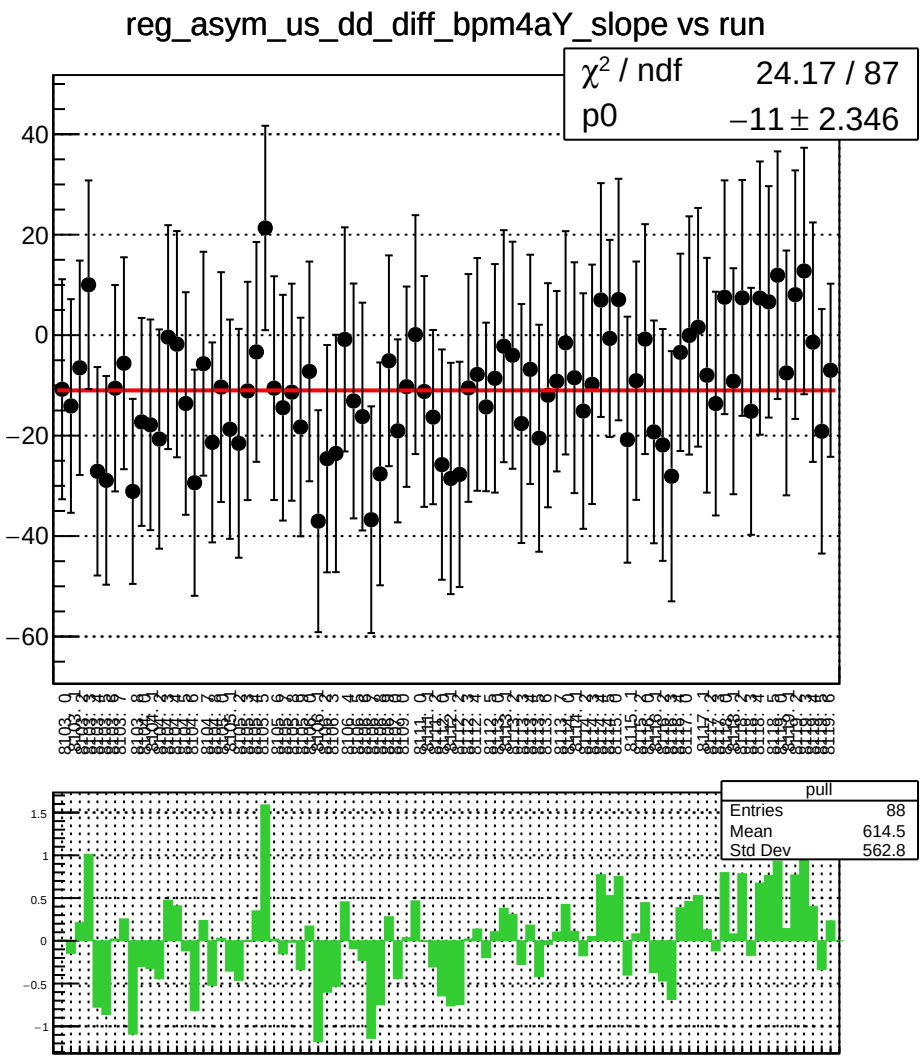

pull1D
Entries 88
Mean −0.001548
Std Dev 0.4964

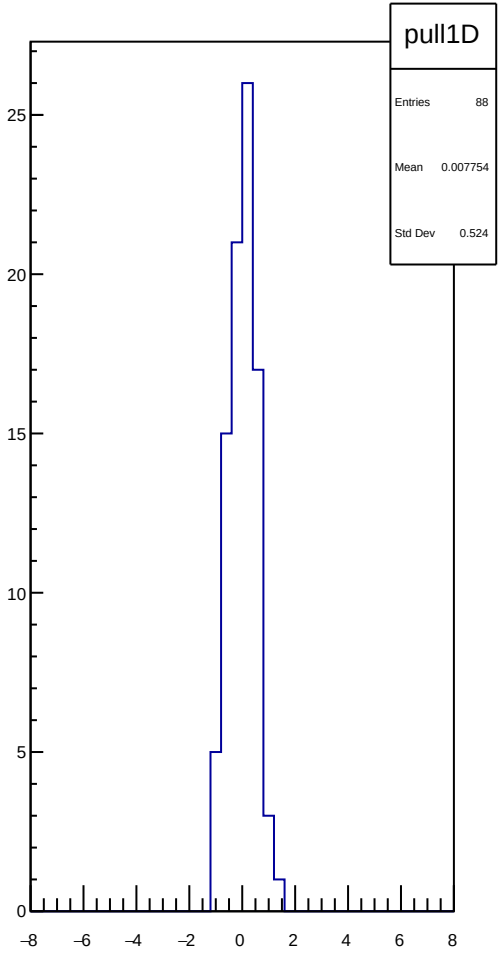

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 17.19 / 87
p0 −36.22 ± 0.1064
pull
Entries 88
Mean −1299
Std Dev 1349

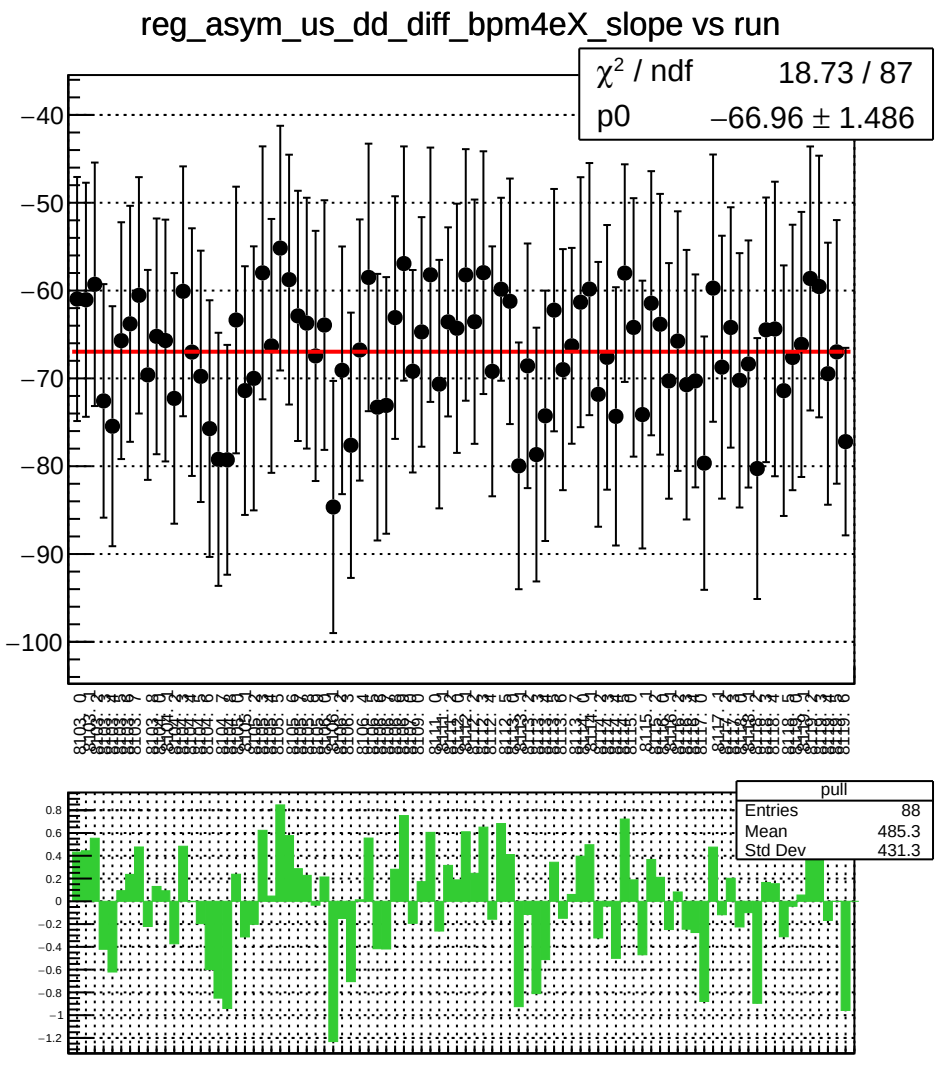

pull1D
Entries 88
Mean 0.0005104
Std Dev 0.442

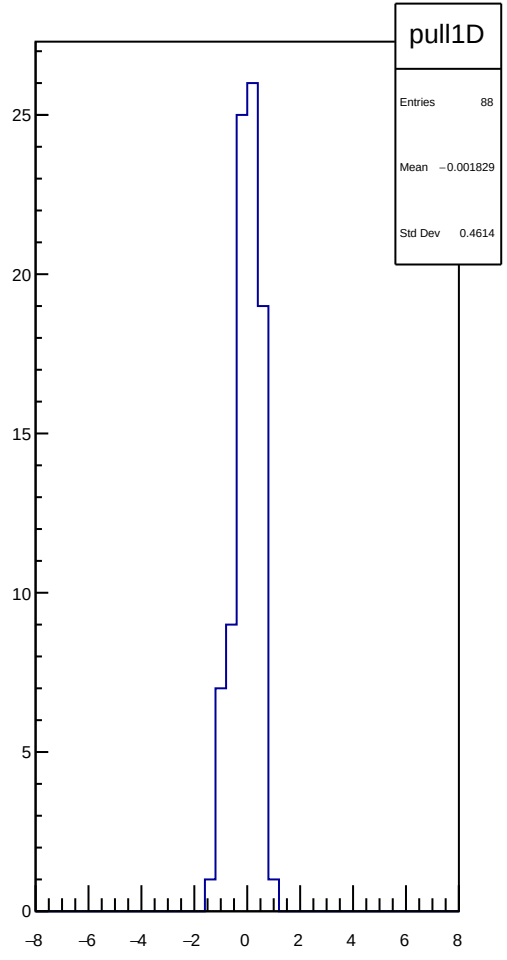

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 18.73 / 87
p0 8.802 ± 1.563
pull
Entries 88
Mean 445.6
Std Dev 394.9

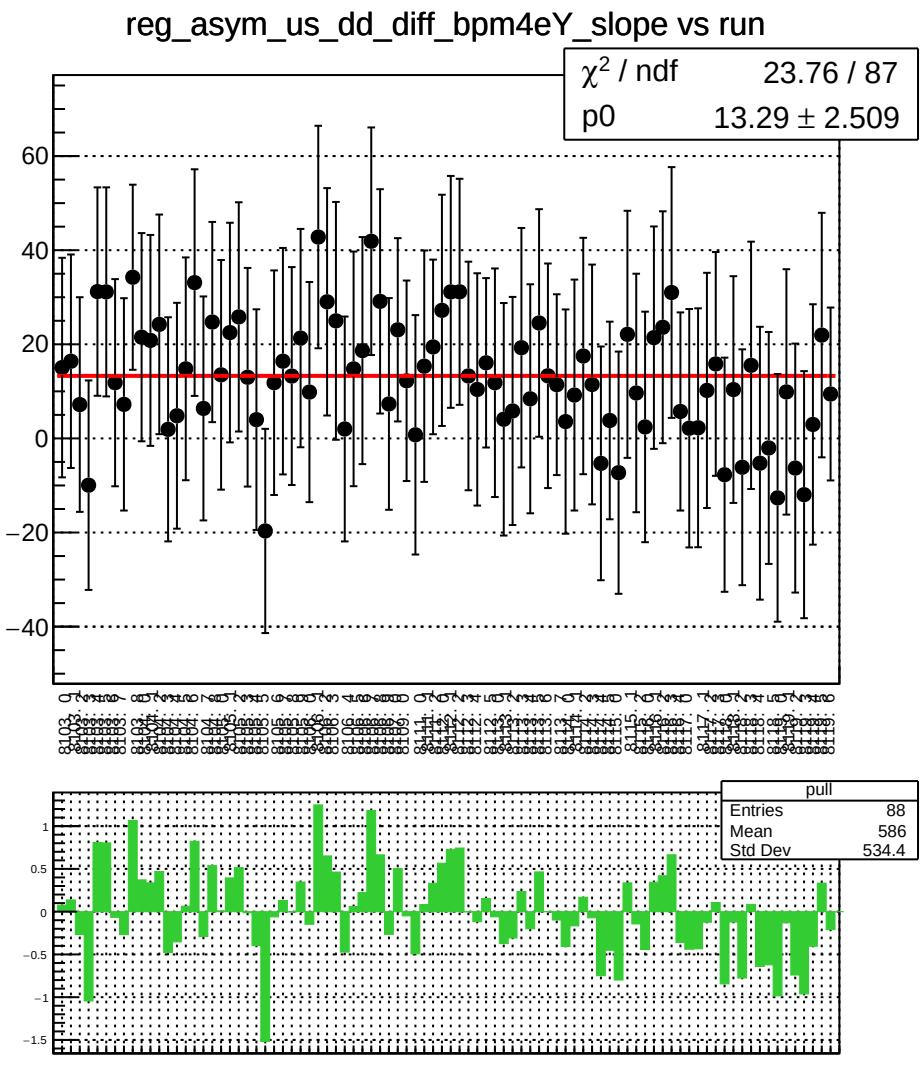

pull1D
Entries 88
Mean 0.002396
Std Dev 0.4614

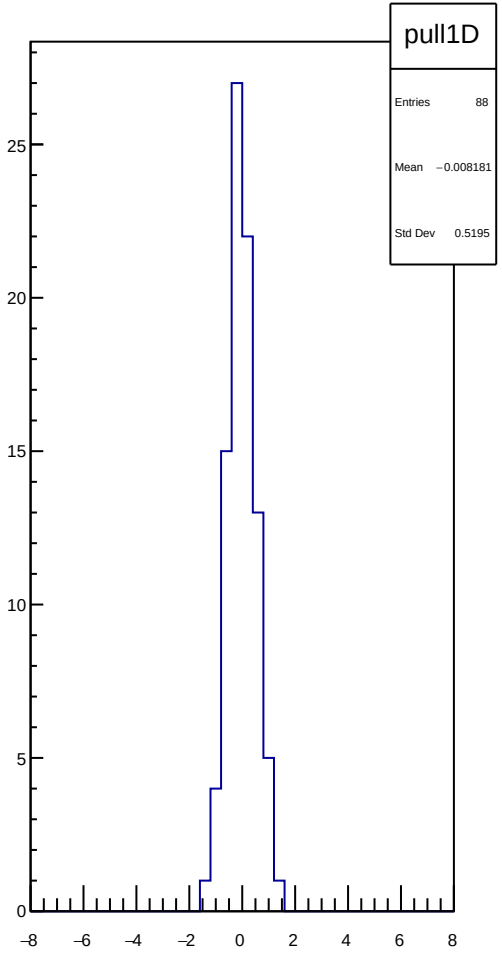

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.17 / 87
p0 −11 ± 2.346
pull
Entries 88
Mean 614.5
Std Dev 562.8

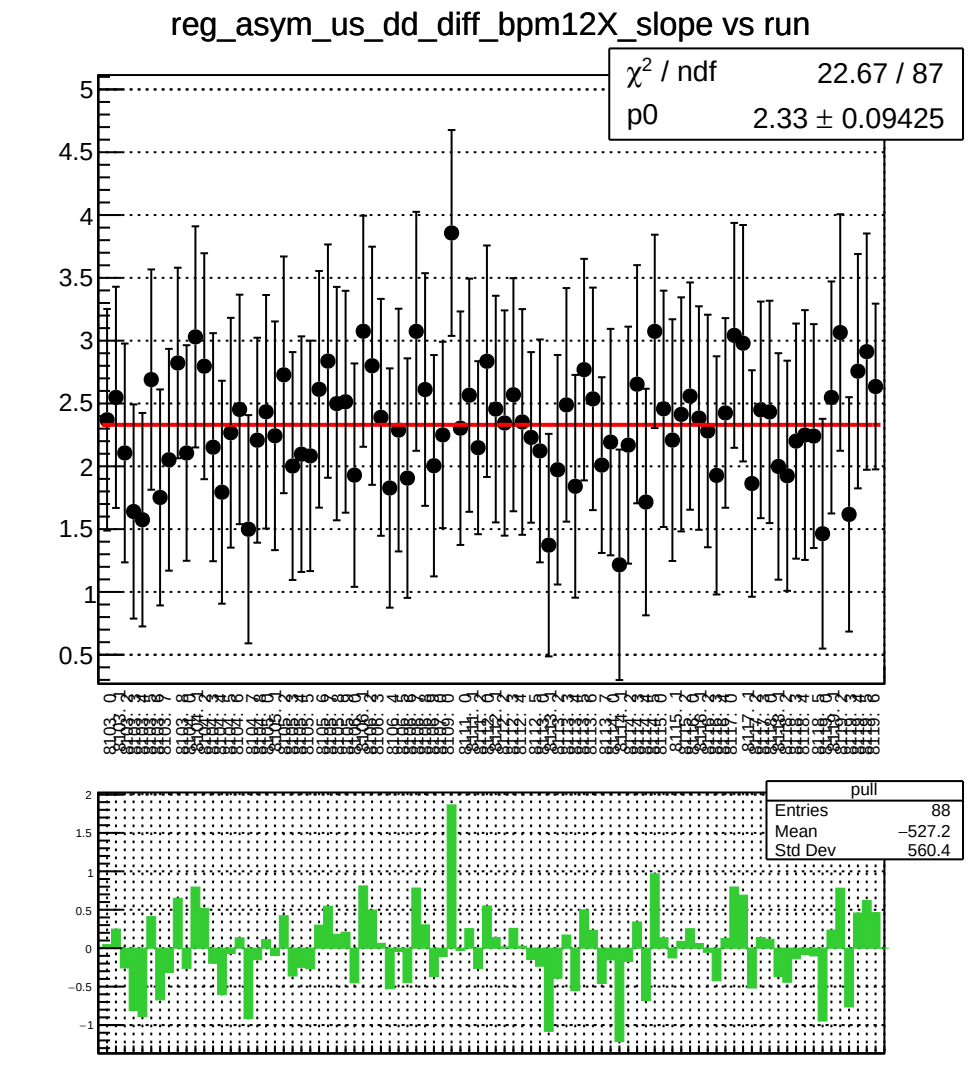

pull1D
Entries 88
Mean 0.007754
Std Dev 0.524

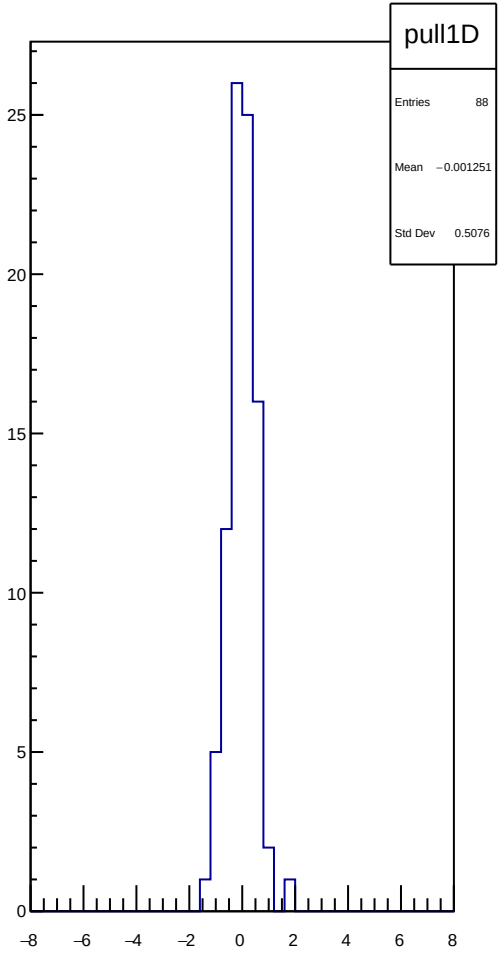

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.73 / 87
p0 −66.96 ± 1.486
pull
Entries 88
Mean 485.3
Std Dev 431.3

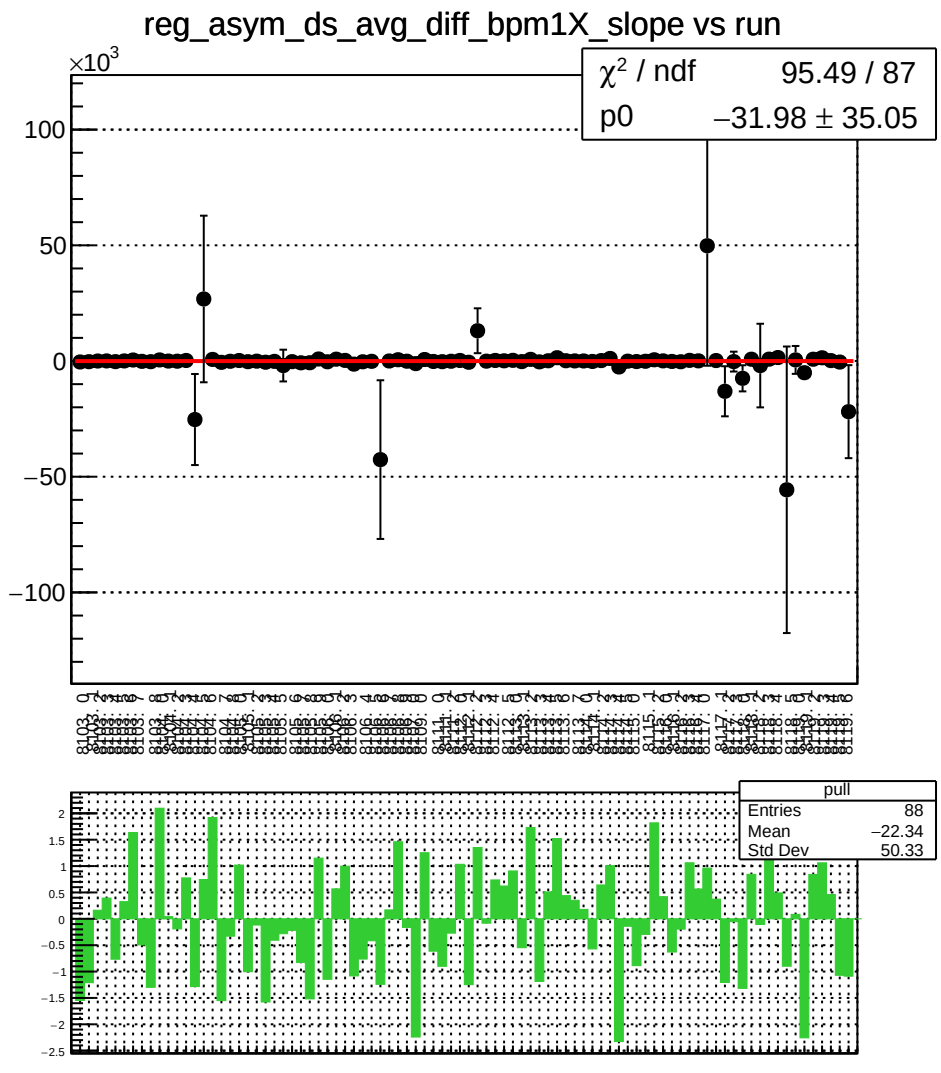

pull1D
Entries 88
Mean −0.001829
Std Dev 0.4614

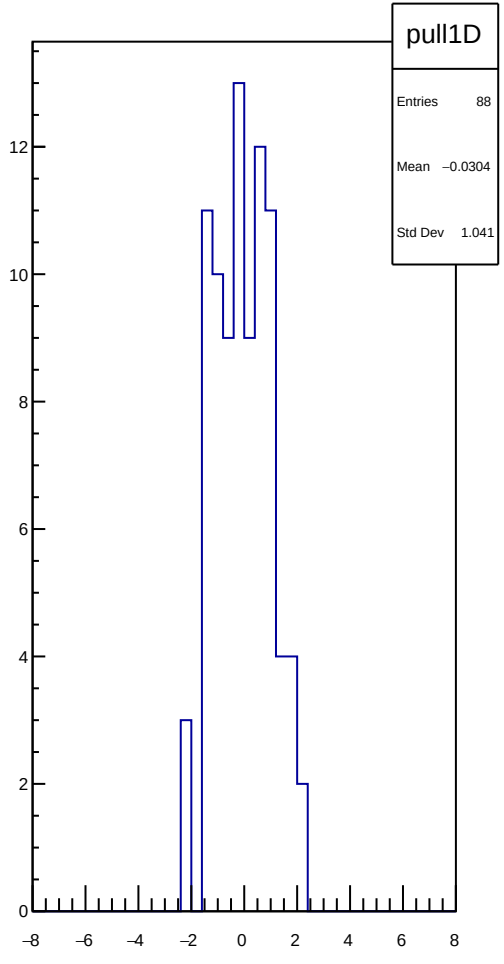

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.76 / 87
p0 13.29 ± 2.509
pull
Entries 88
Mean 586
Std Dev 534.4

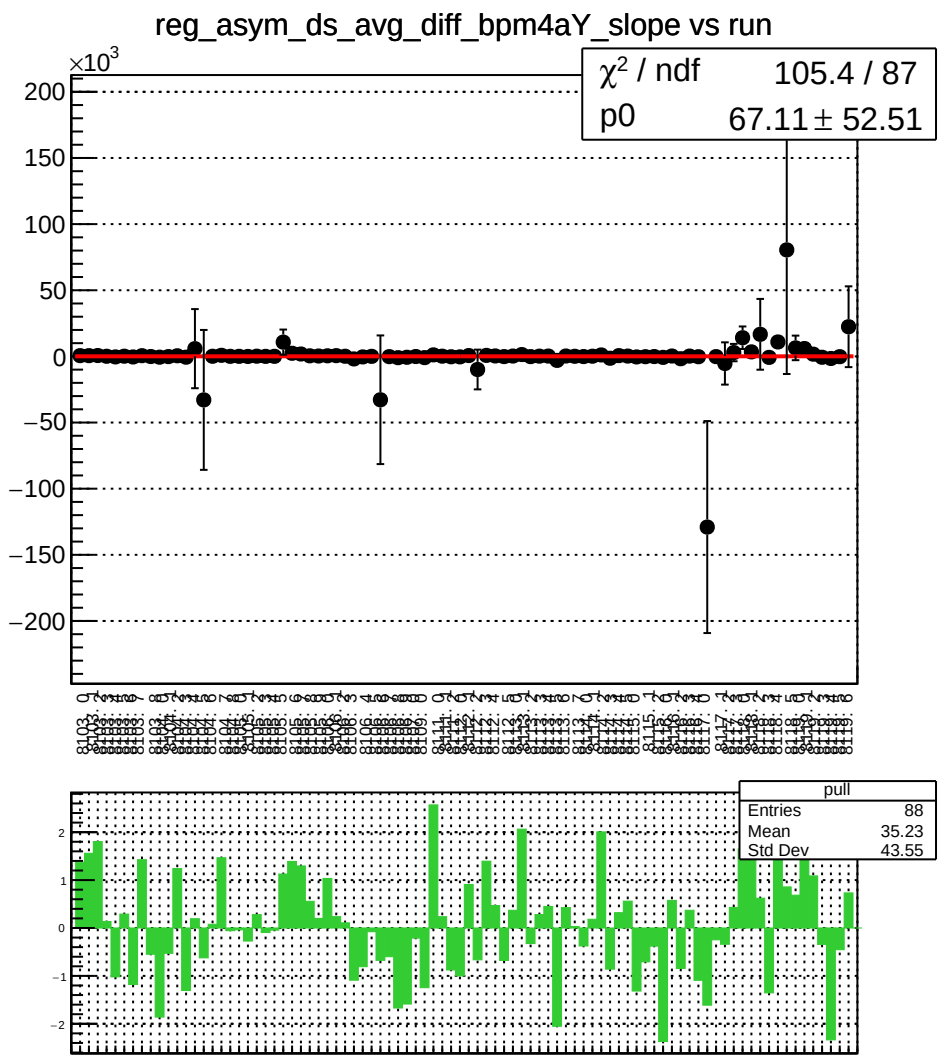

pull1D
Entries 88
Mean −0.008181
Std Dev 0.5195

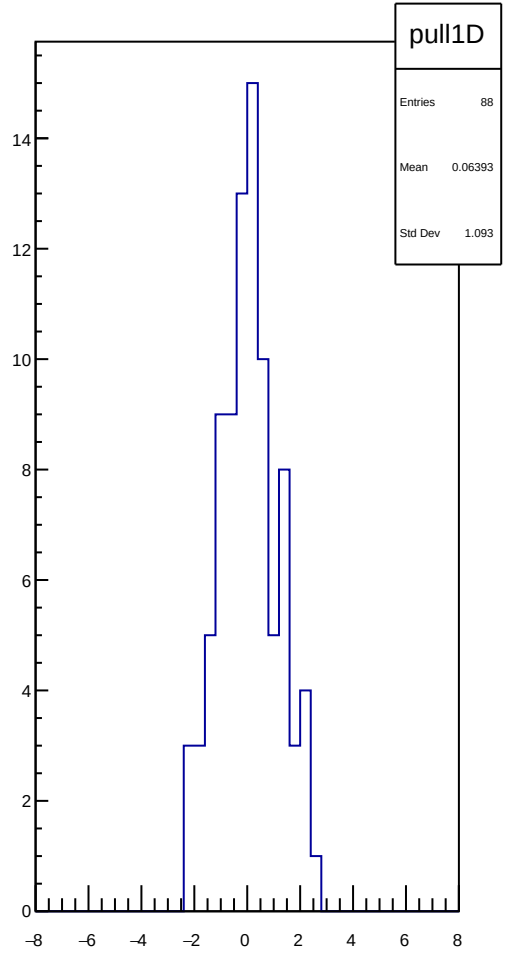

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 22.67 / 87
p0 2.33 ± 0.09425
pull
Entries 88
Mean −527.2
Std Dev 560.4

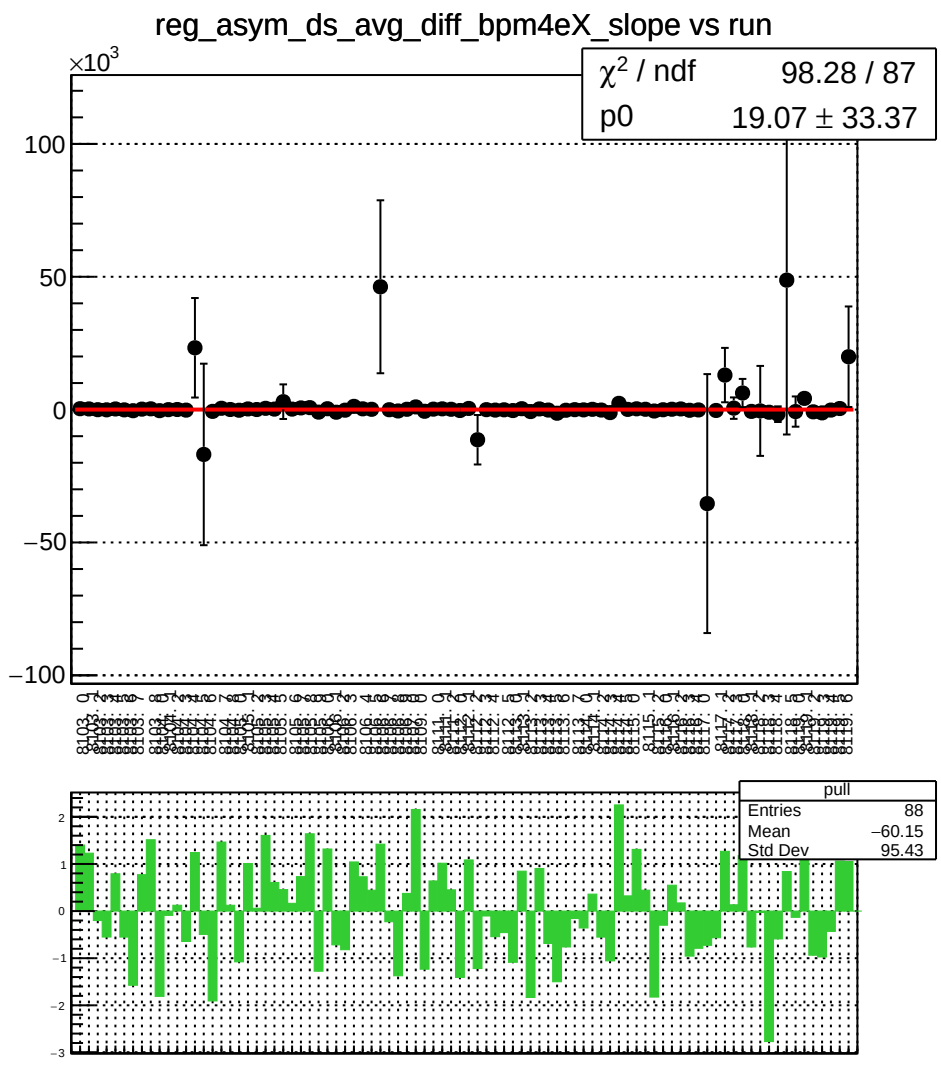

pull1D
Entries 88
Mean −0.001251
Std Dev 0.5076

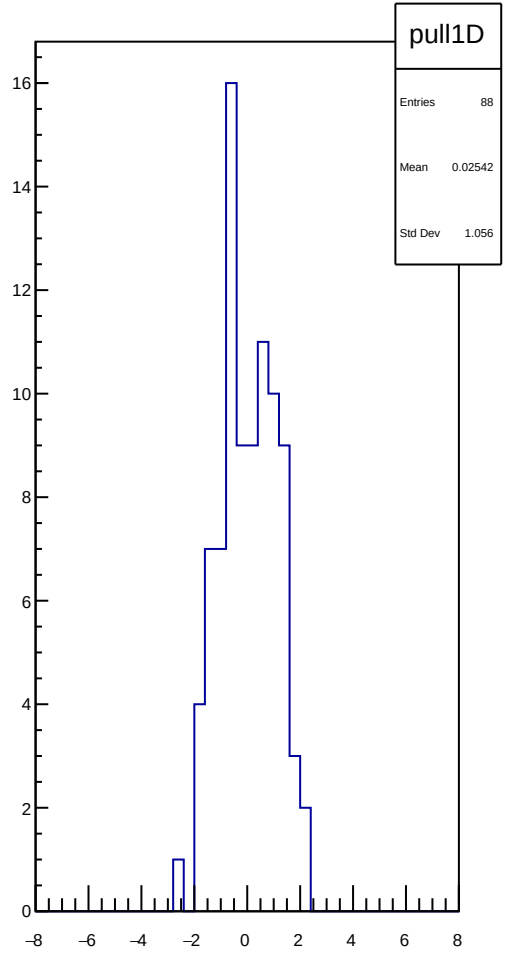

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.49 / 87
p0 −31.98 ± 35.05
100
50
0
−50
−100
pull
Entries 88
Mean −22.34
Std Dev 50.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

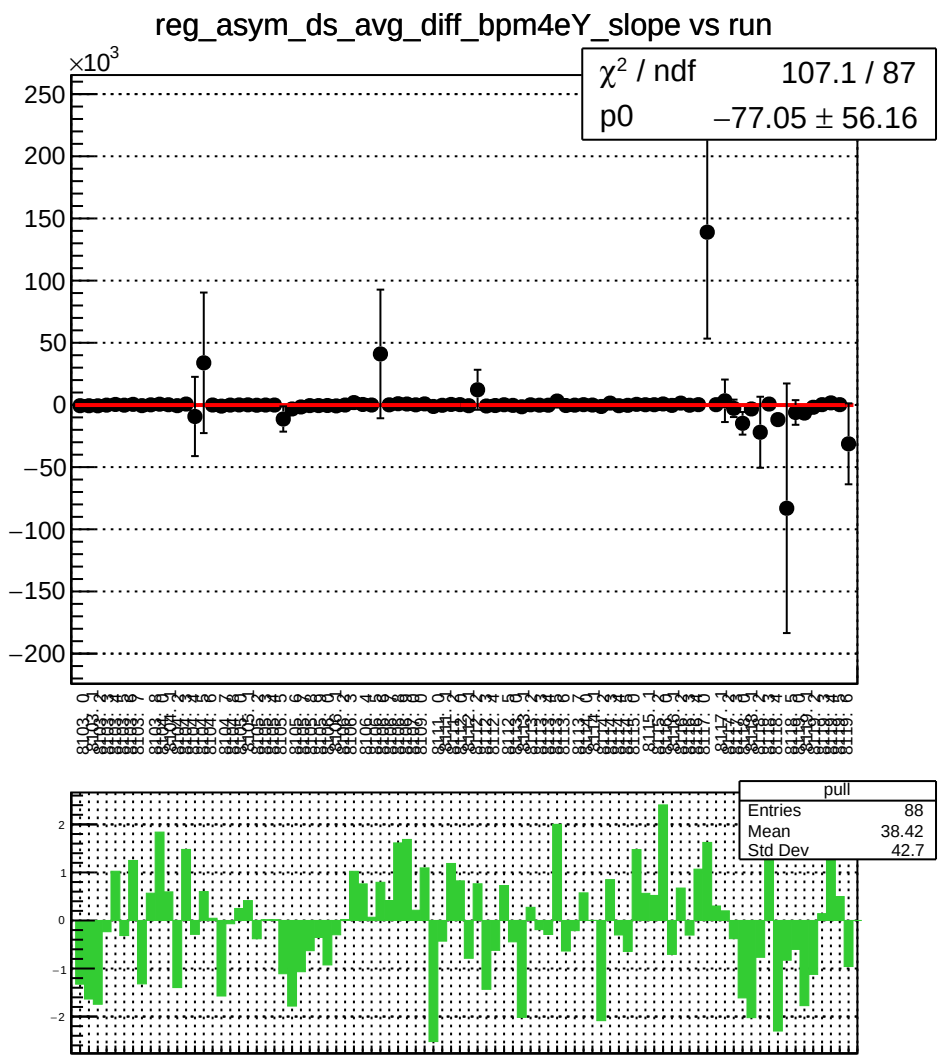

pull1D
Entries 88
Mean −0.0304
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

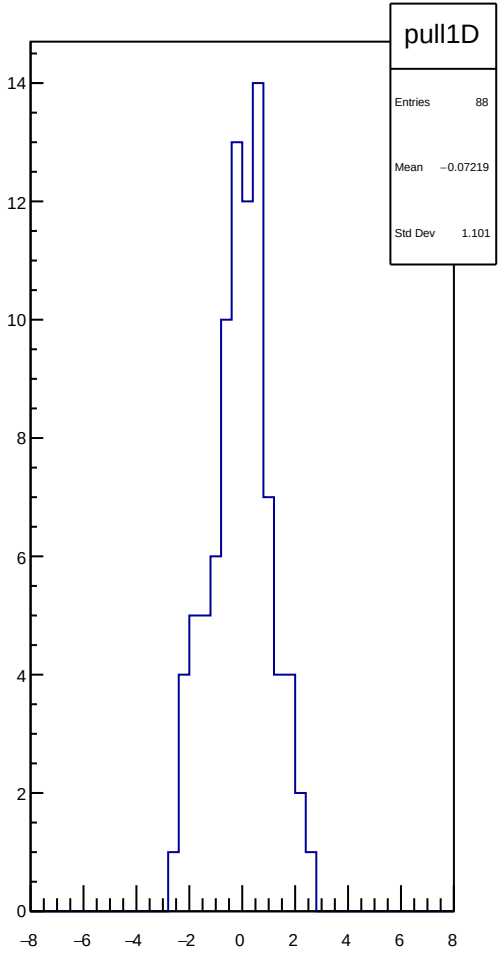

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 105.4 / 87
p0 67.11 ± 52.51
pull
Entries 88
Mean 35.23
Std Dev 43.55

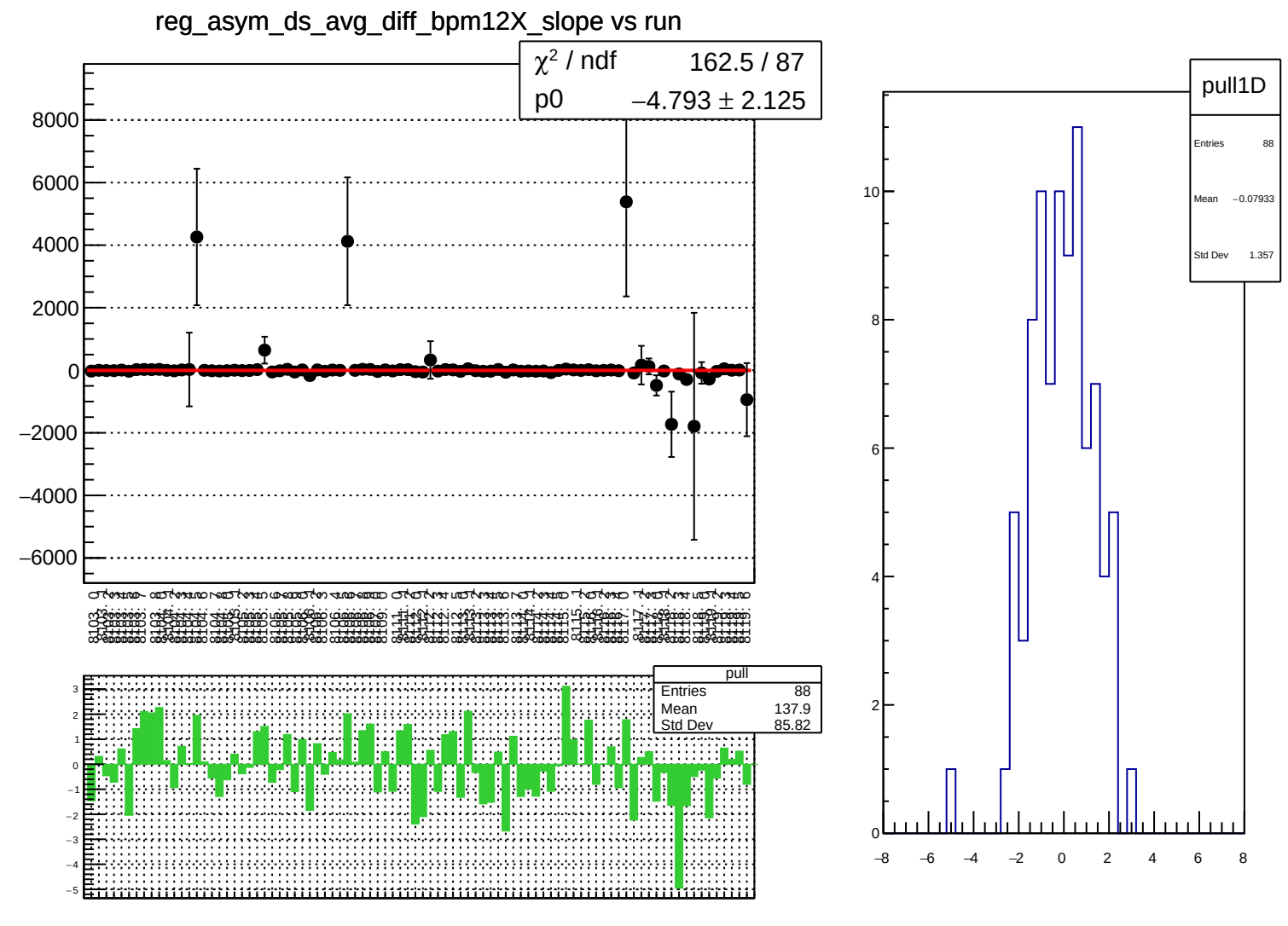

pull1D
Entries 88
Mean 0.06393
Std Dev 1.093

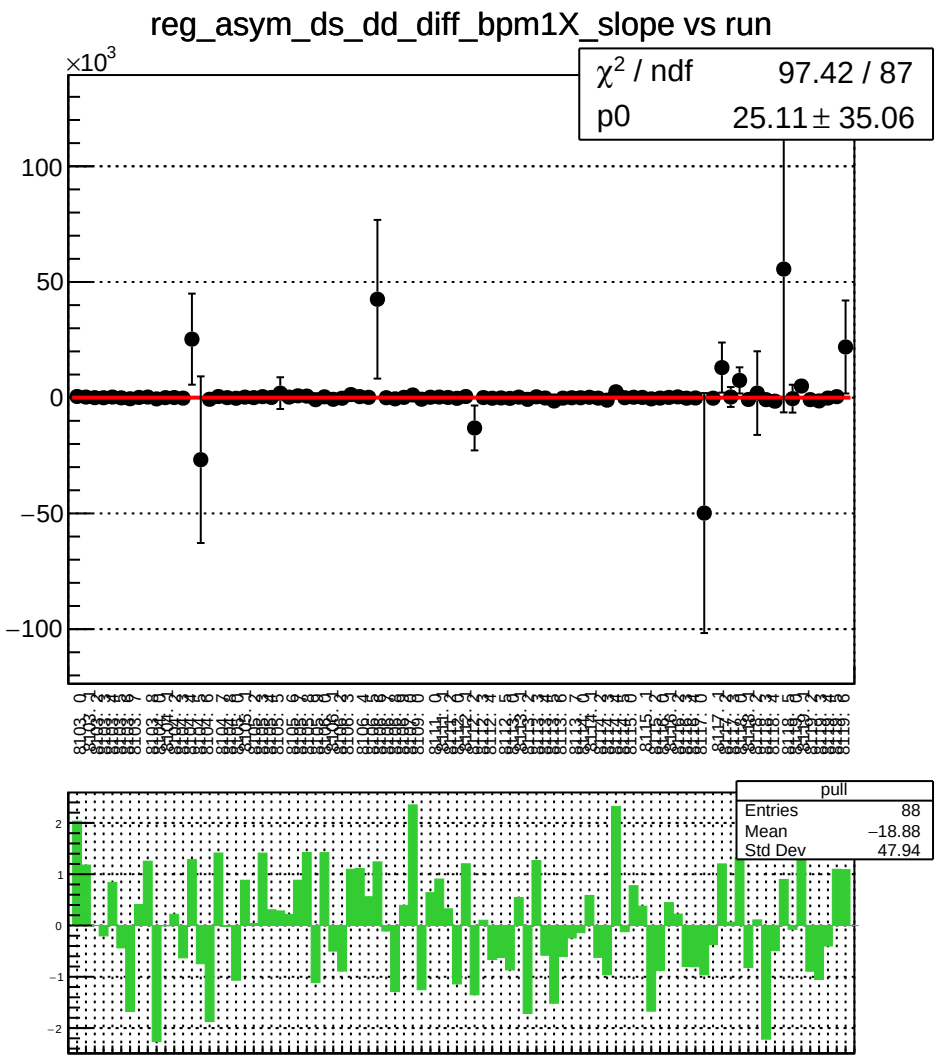

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 98.28 / 87
p0 19.07 ± 33.37
100
50
0
−50
−100
pull
Entries 88
Mean −60.15
Std Dev 95.43
2
1
0
−1
−2
−3

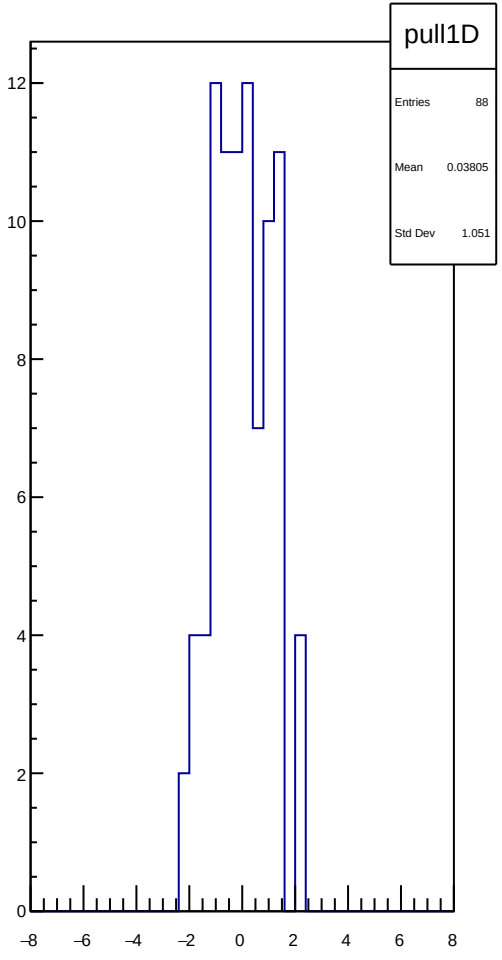

pull1D
Entries 88
Mean 0.02542
Std Dev 1.056
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

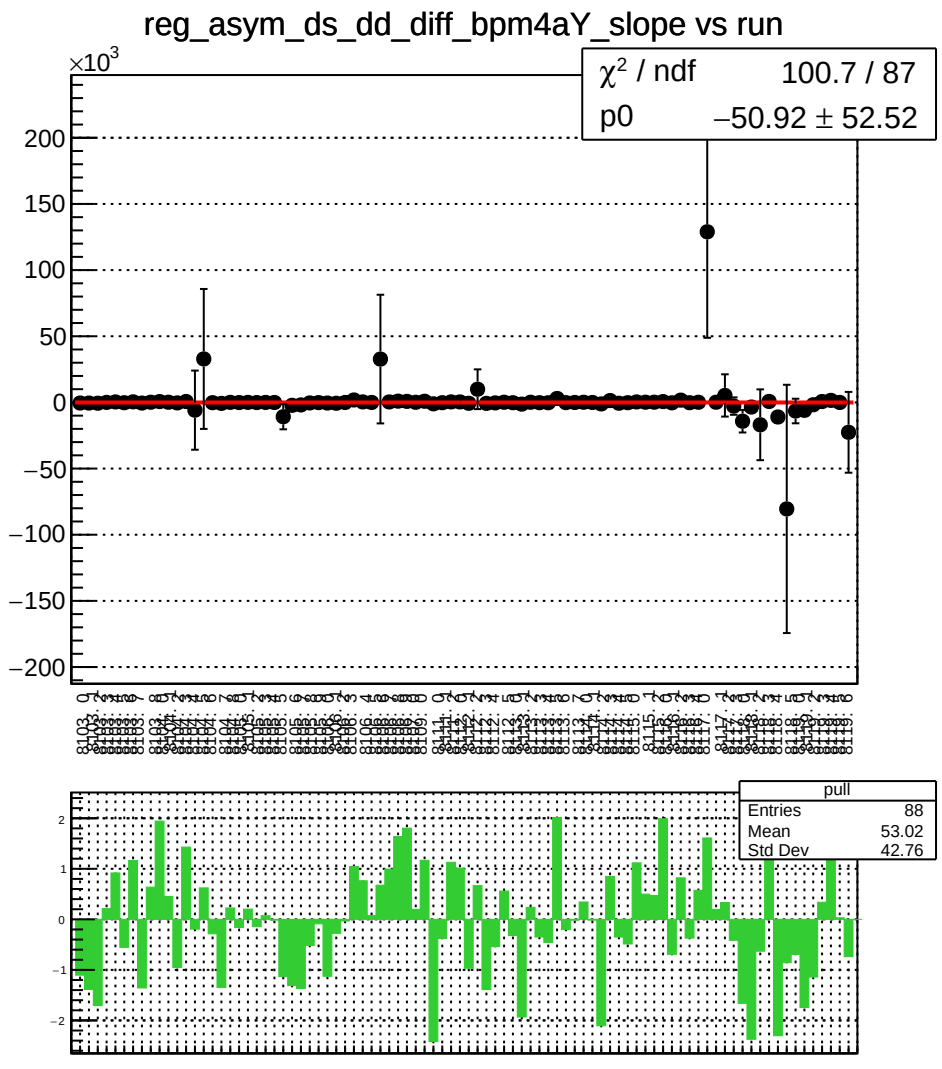

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 107.1 / 87
p0 −77.05 ± 56.16
pull
Entries 88
Mean 38.42
Std Dev 42.7

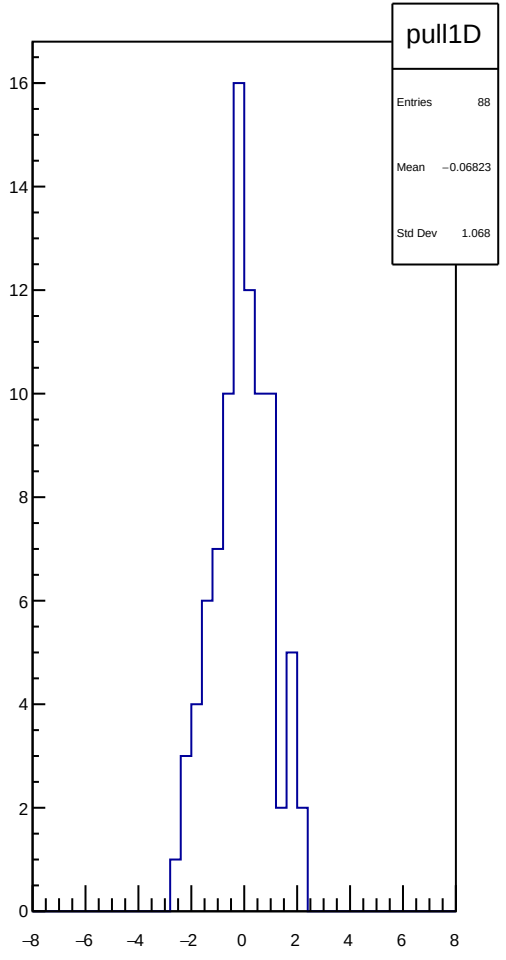

pull1D
Entries 88
Mean −0.07219
Std Dev 1.101

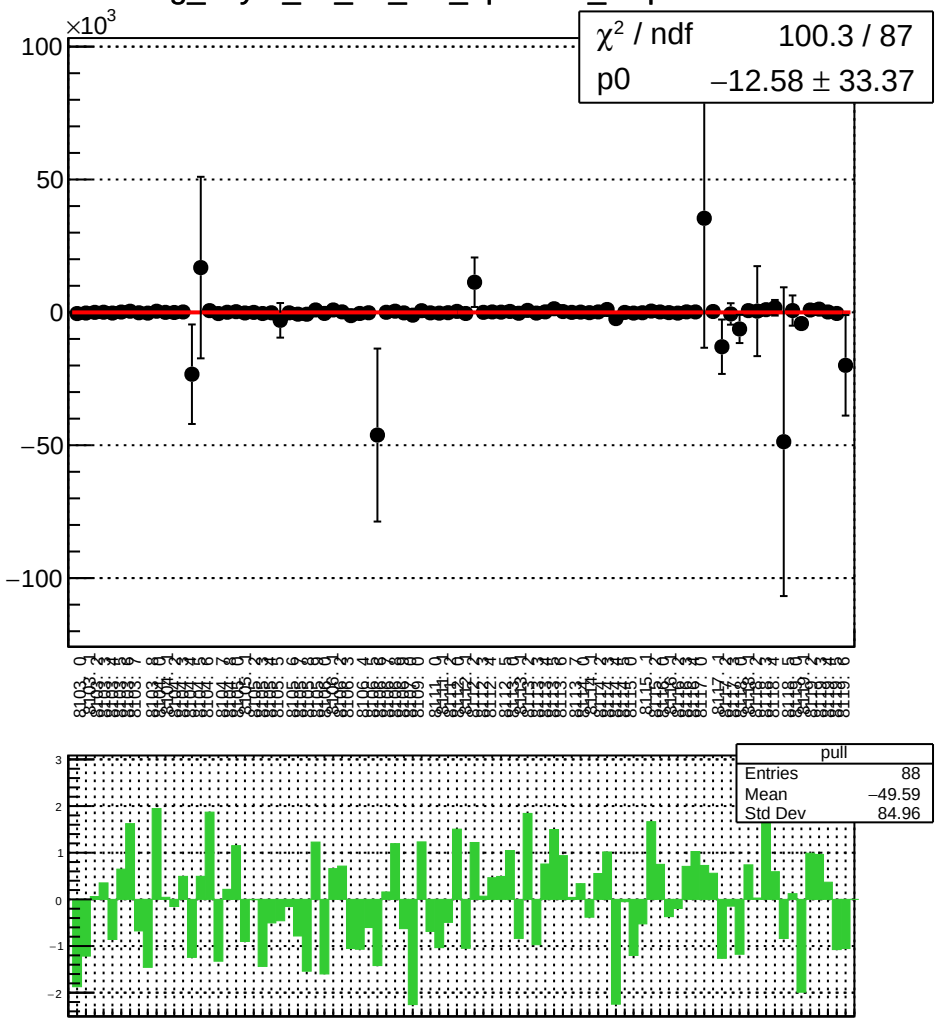

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 162.5 / 87
p0 −4.793 ± 2.125
pull
Entries 88
Mean 137.9
Std Dev 85.82
pull1D
Entries 88
Mean −0.07933
Std Dev 1.357

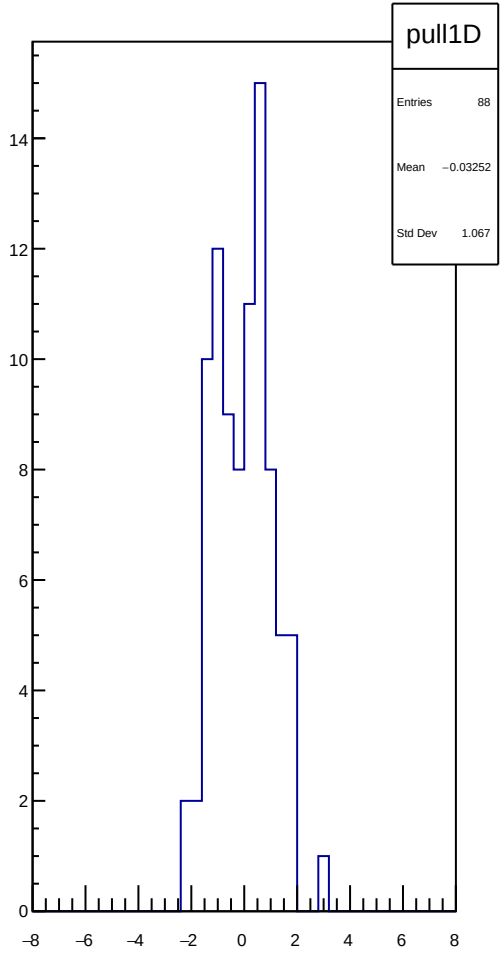

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 97.42 / 87
p0 25.11 ± 35.06
100
50
0
−50
−100
pull
Entries 88
Mean −18.88
Std Dev 47.94
2
1
0
−1
−2

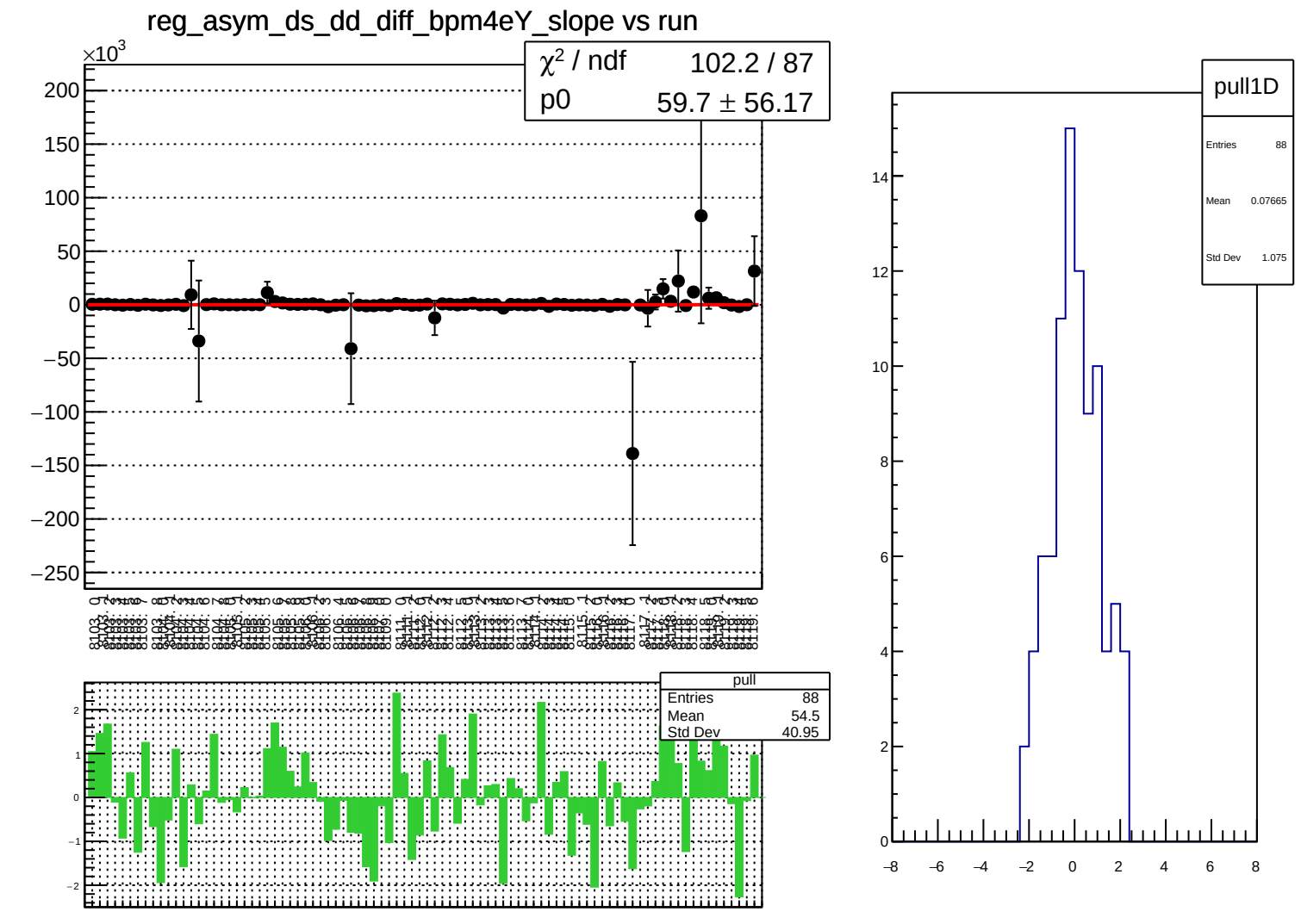

pull1D
Entries 88
Mean 0.03805
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

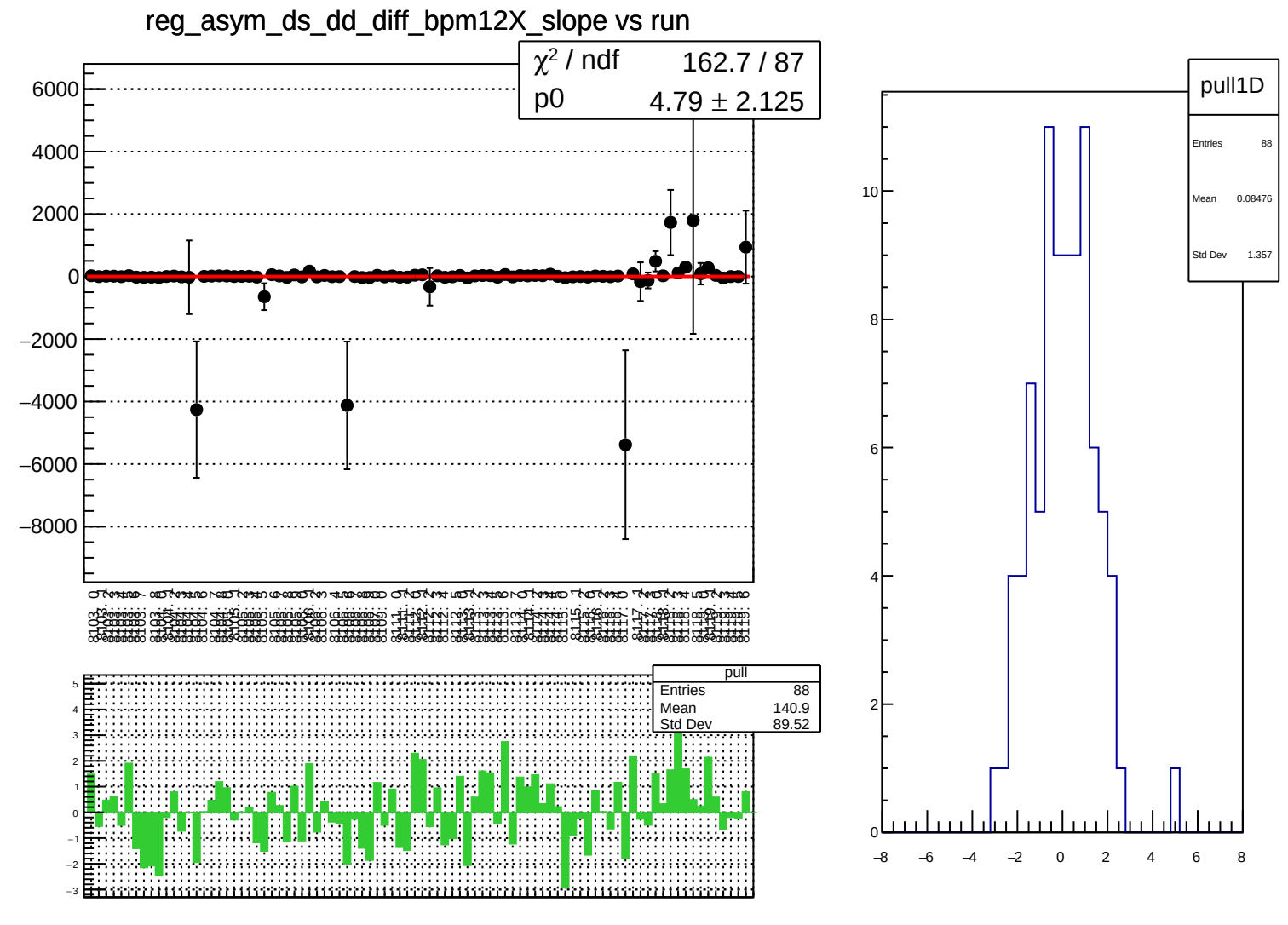

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 100.7 / 87
p0 −50.92 ± 52.52
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 88
Mean 53.02
Std Dev 42.76
2
1
0
−1
−2

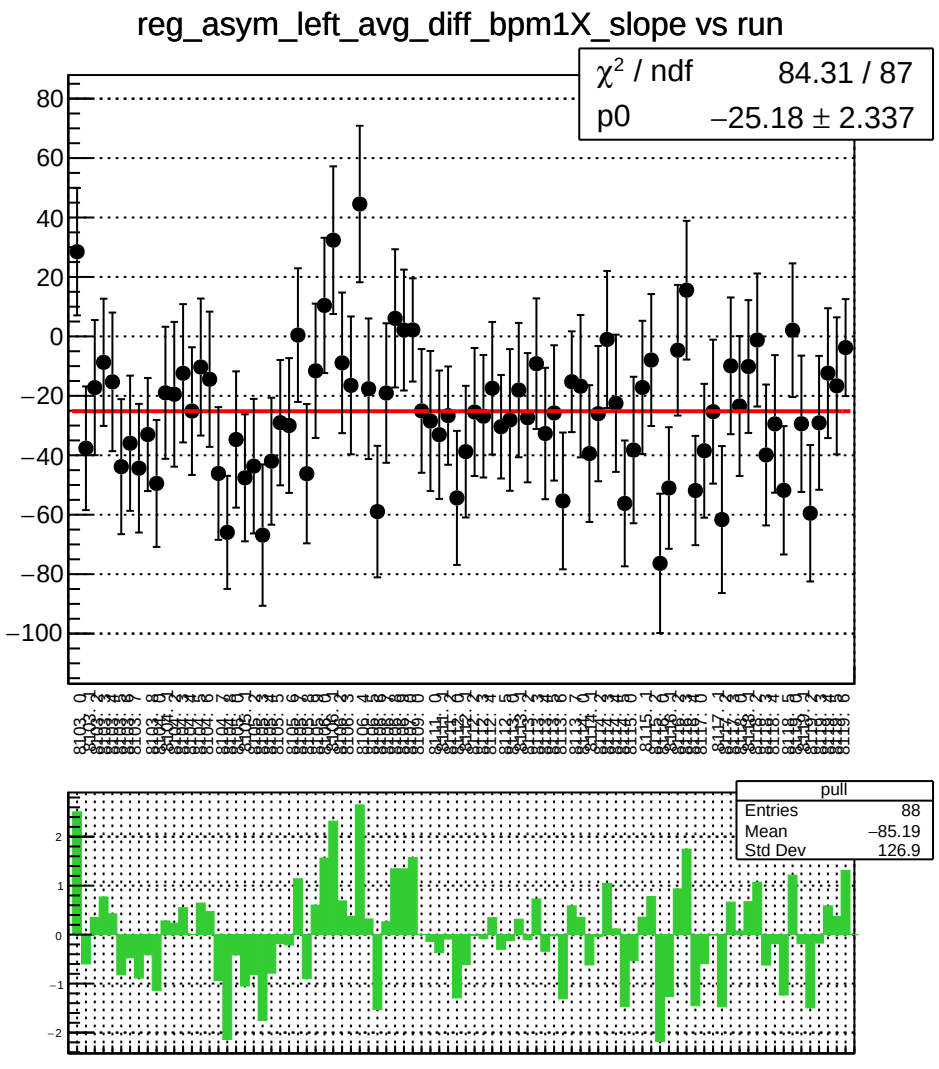

pull1D
Entries 88
Mean −0.06823
Std Dev 1.068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

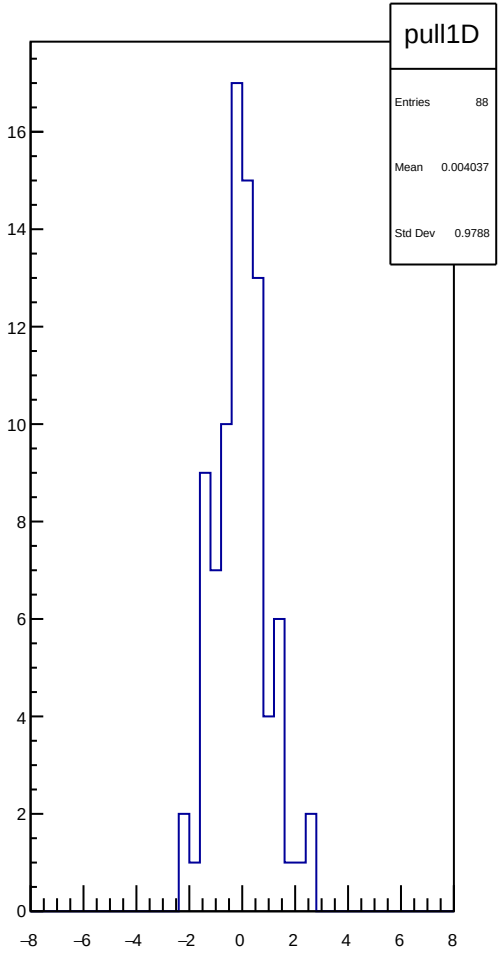

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 100.3 / 87
p0 −12.58 ± 33.37
pull
Entries 88
Mean −49.59
Std Dev 84.96

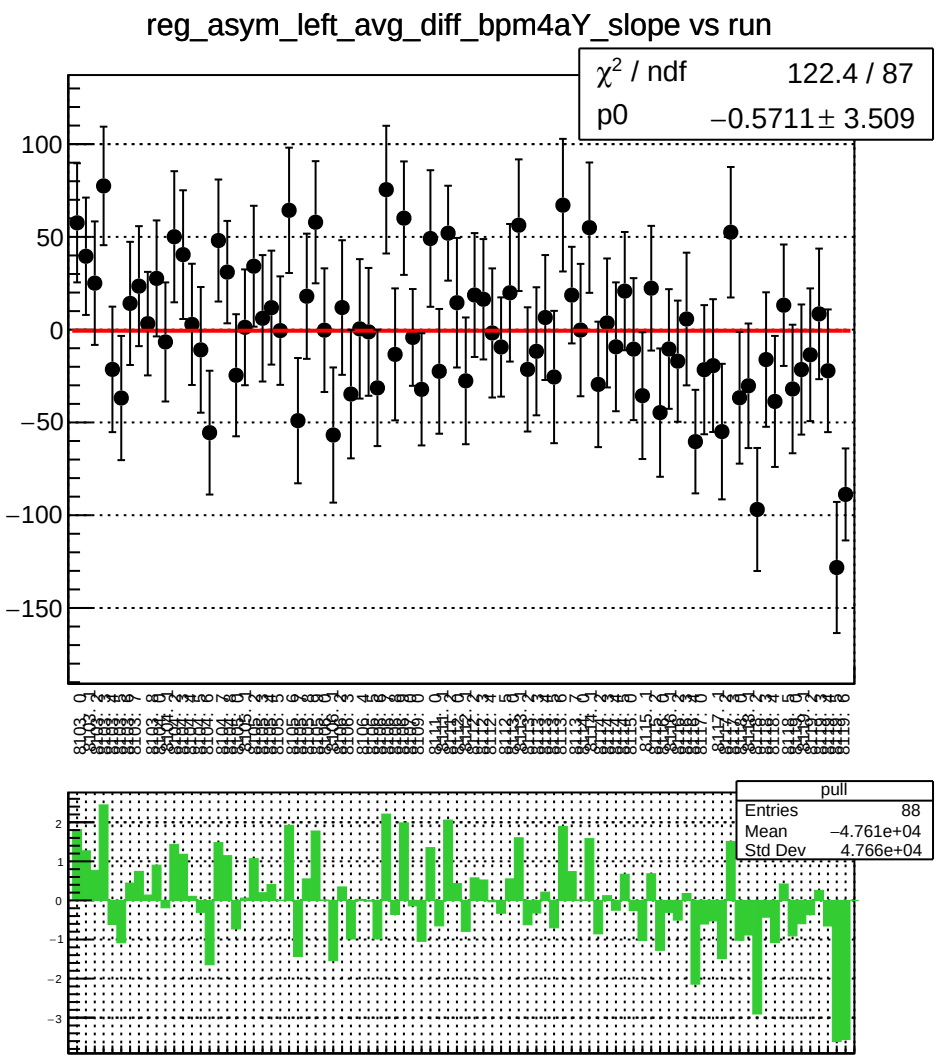

pull1D
Entries 88
Mean −0.03252
Std Dev 1.067

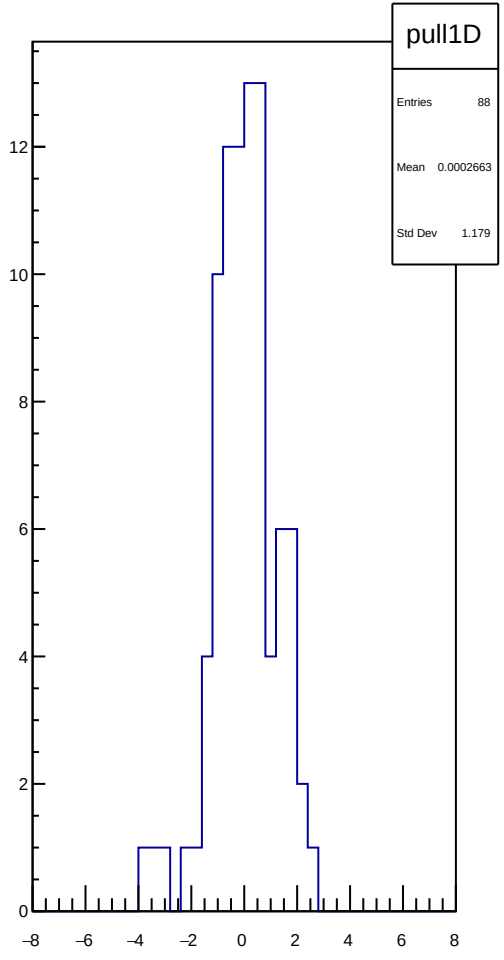

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 102.2 / 87
p0 59.7 ± 56.17
×10³
pull
Entries 88
Mean 54.5
Std Dev 40.95
pull1D
Entries 88
Mean 0.07665
Std Dev 1.075

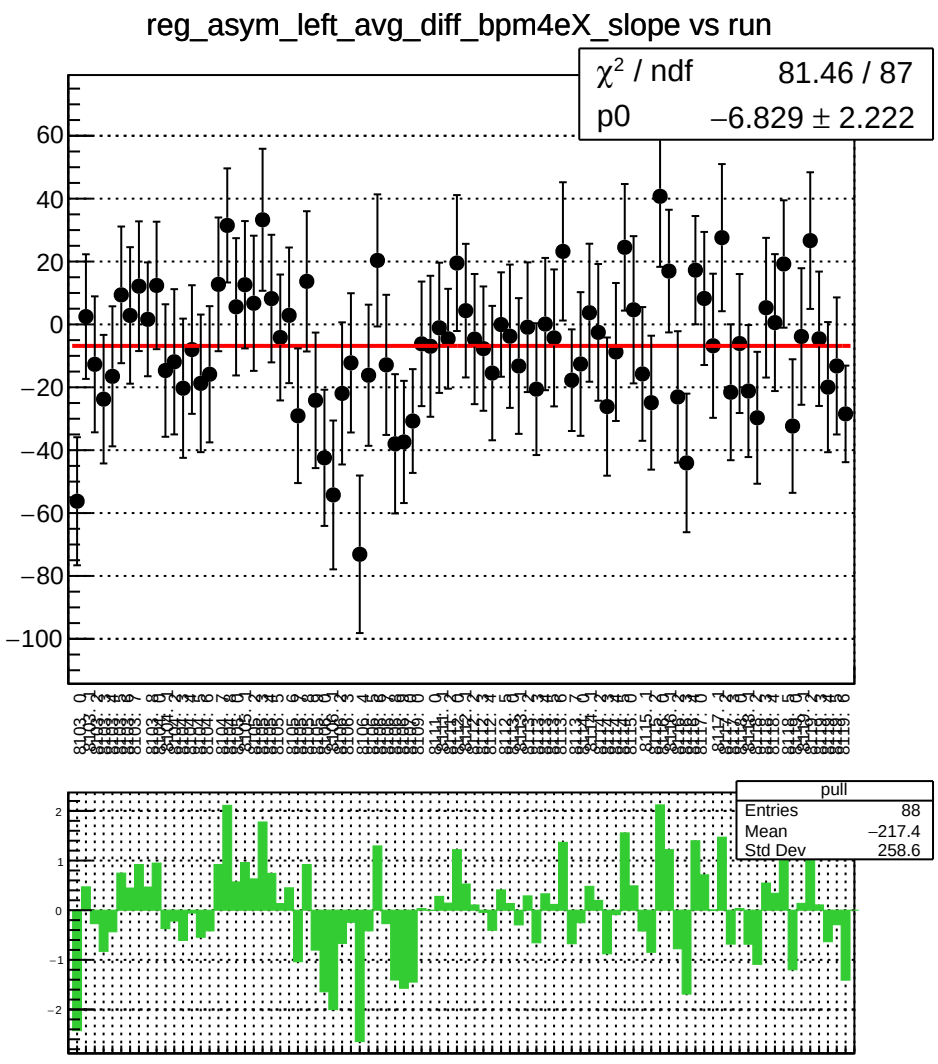

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 162.7 / 87
p0 4.79 ± 2.125
pull
Entries 88
Mean 140.9
Std Dev 89.52
pull1D
Entries 88
Mean 0.08476
Std Dev 1.357

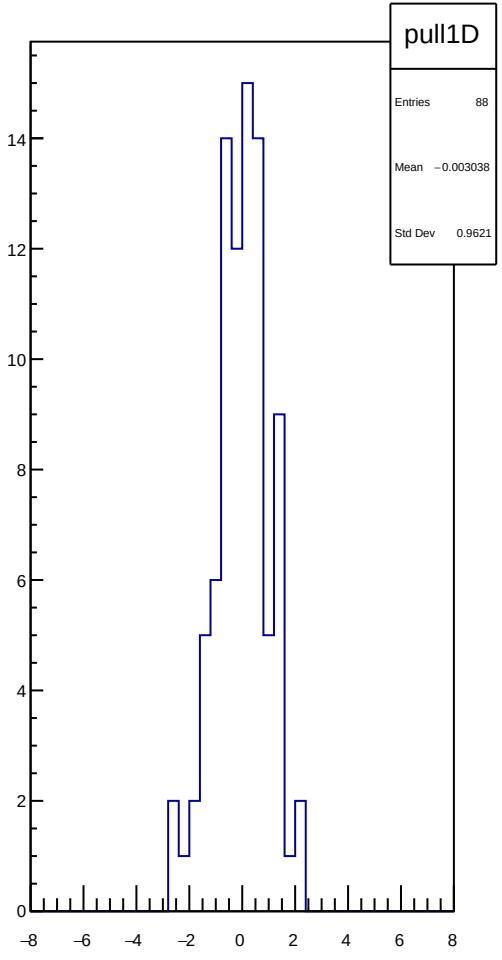

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 84.31 / 87
p0 −25.18 ± 2.337
pull
Entries 88
Mean −85.19
Std Dev 126.9

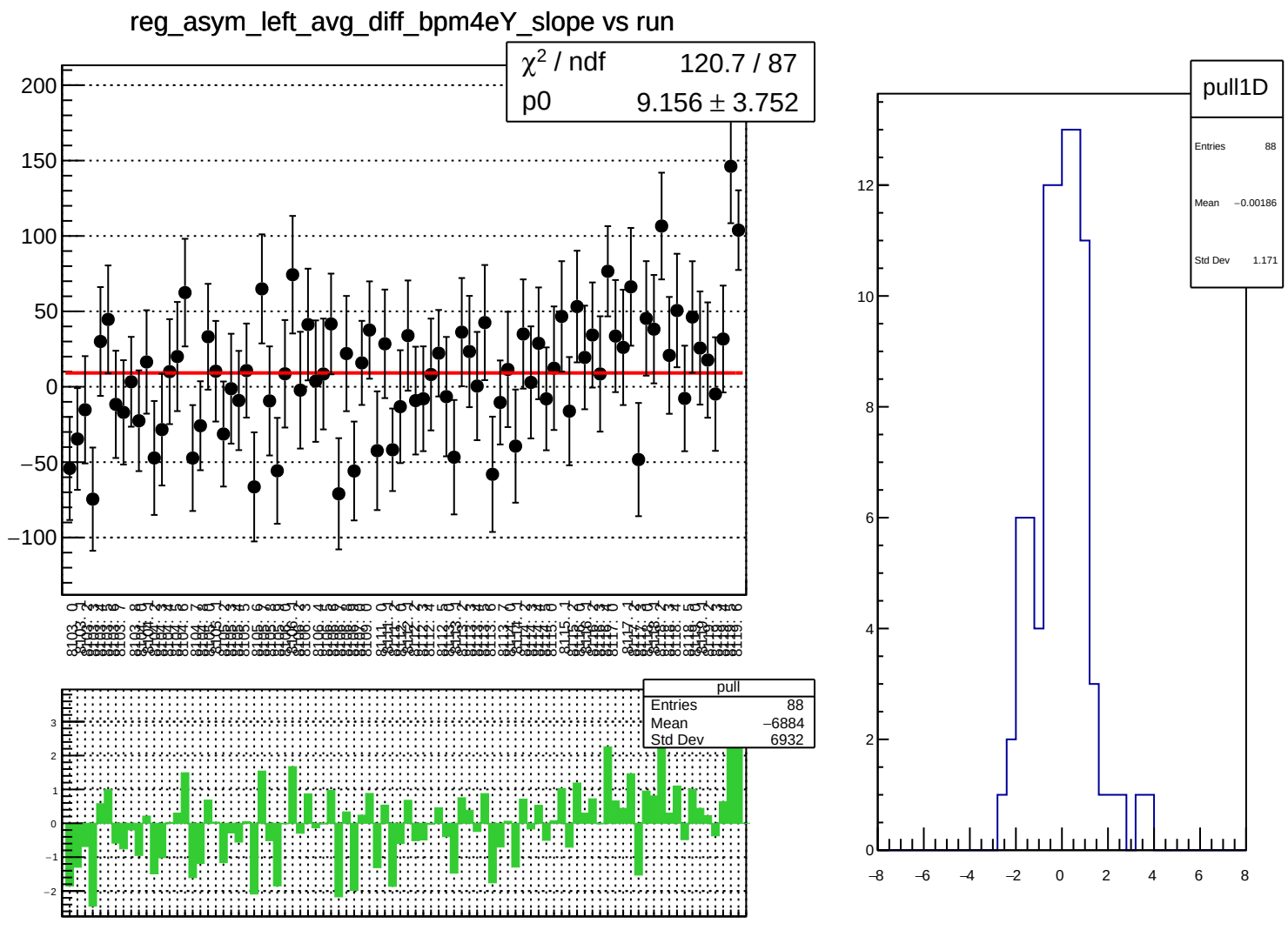

pull1D
Entries 88
Mean 0.004037
Std Dev 0.9788

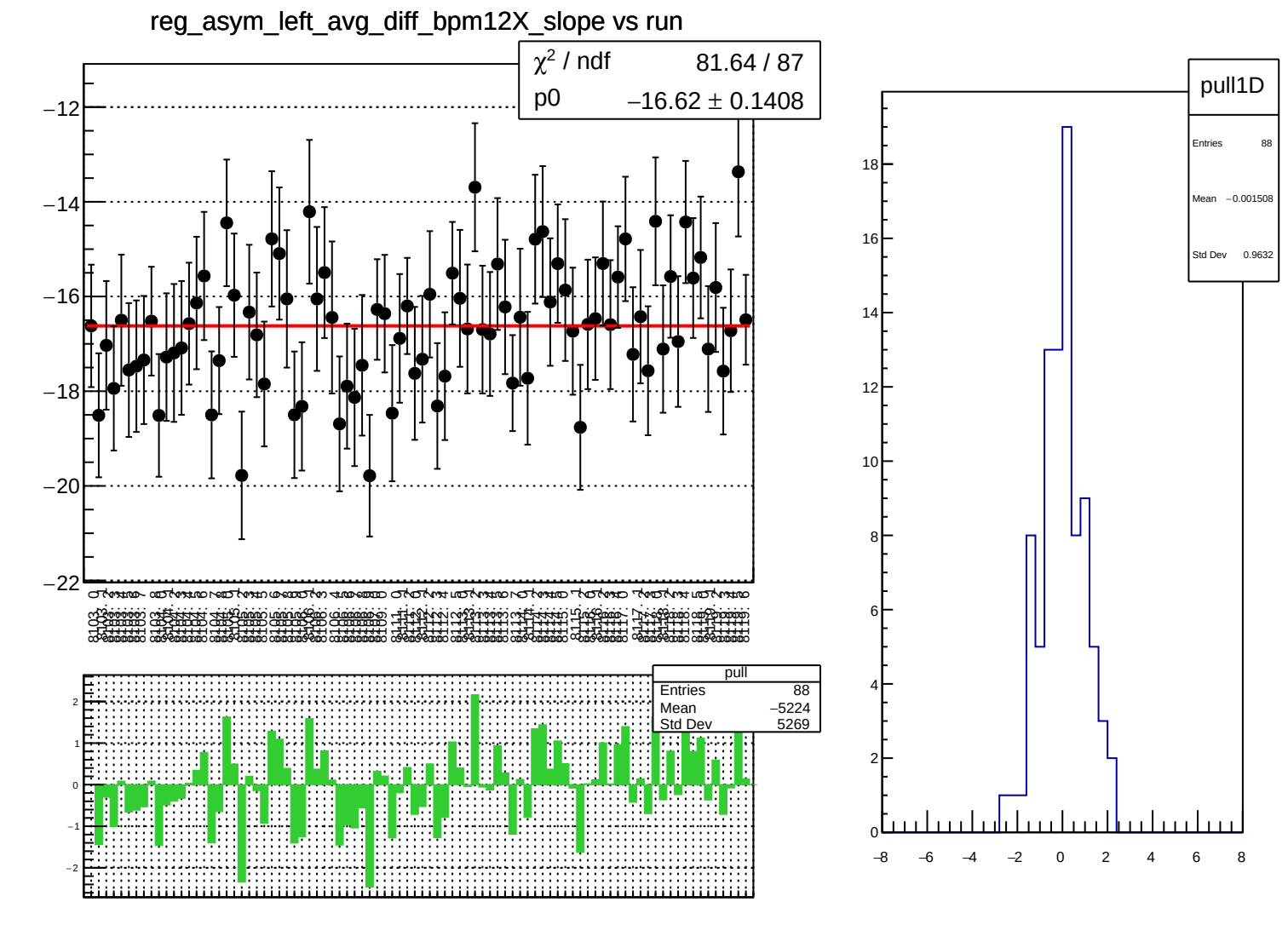

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 122.4 / 87
p0 −0.5711 ± 3.509
100
50
0
−50
−100
−150
pull
Entries 88
Mean −4.761e+04
Std Dev 4.766e+04
2
1
0
−1
−2
−3

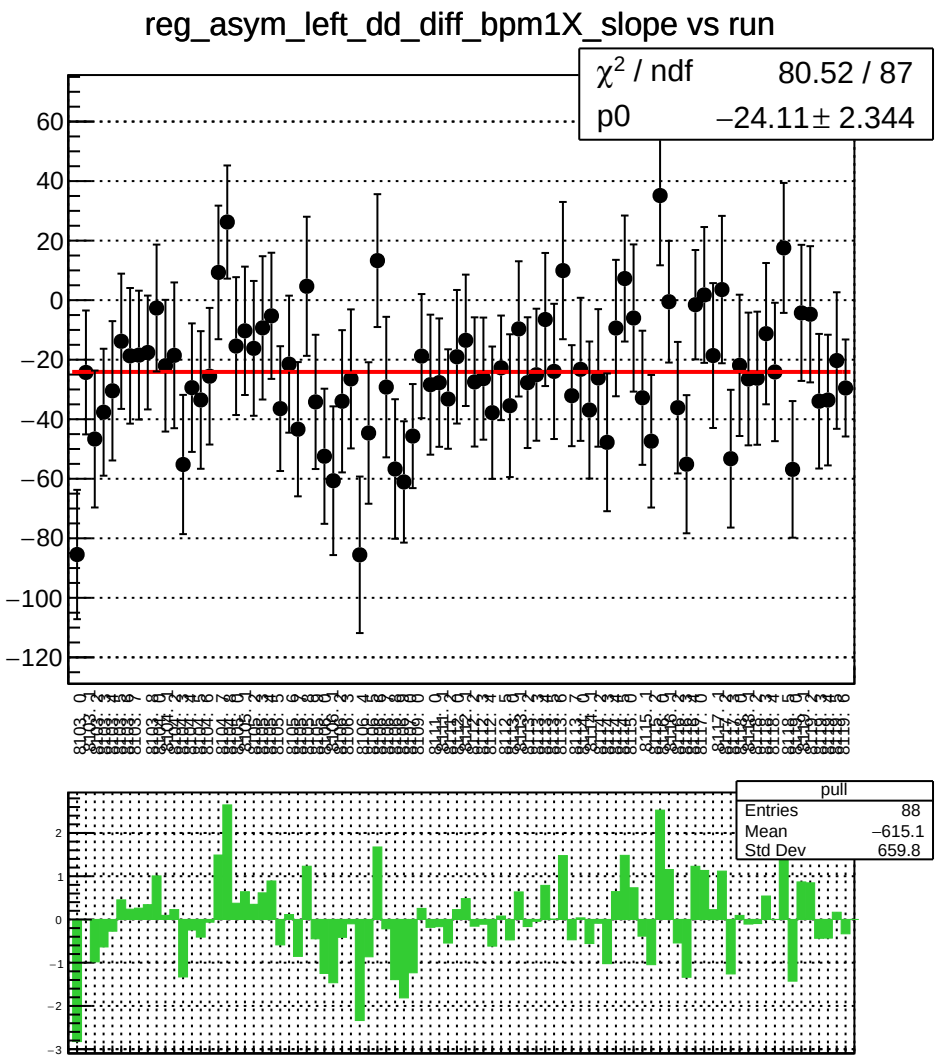

pull1D
Entries 88
Mean 0.0002663
Std Dev 1.179
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

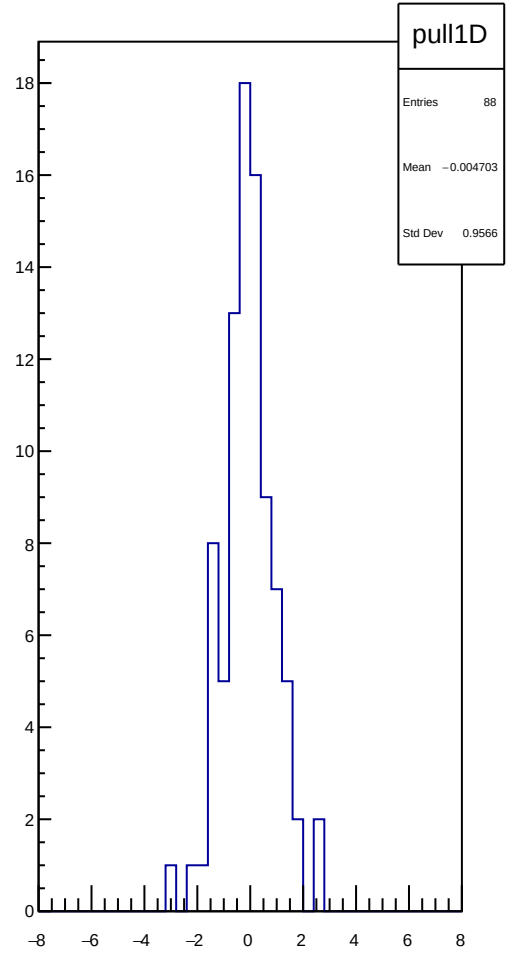

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.46 / 87
p0 −6.829 ± 2.222
pull
Entries 88
Mean −217.4
Std Dev 258.6

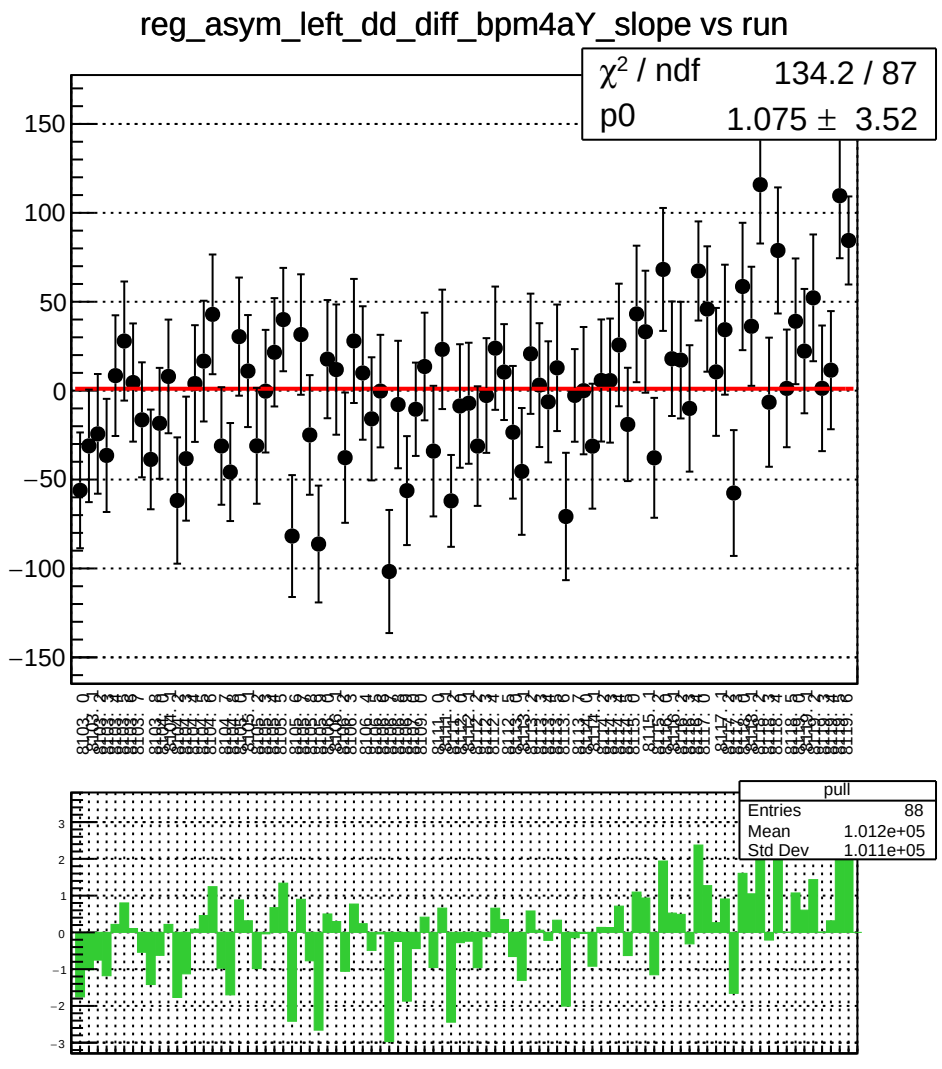

pull1D
Entries 88
Mean −0.003038
Std Dev 0.9621

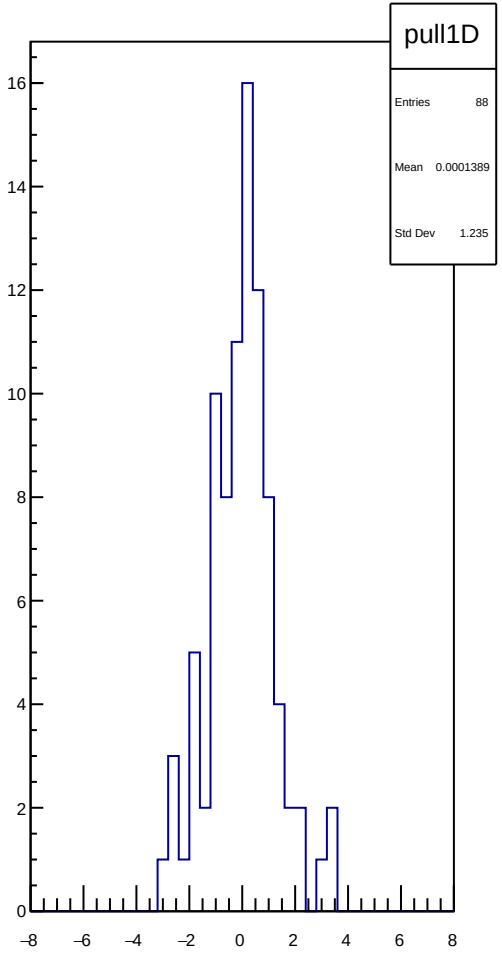

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 120.7 / 87
p0 9.156 ± 3.752
pull
Entries 88
Mean −6884
Std Dev 6932
pull1D
Entries 88
Mean −0.00186
Std Dev 1.171

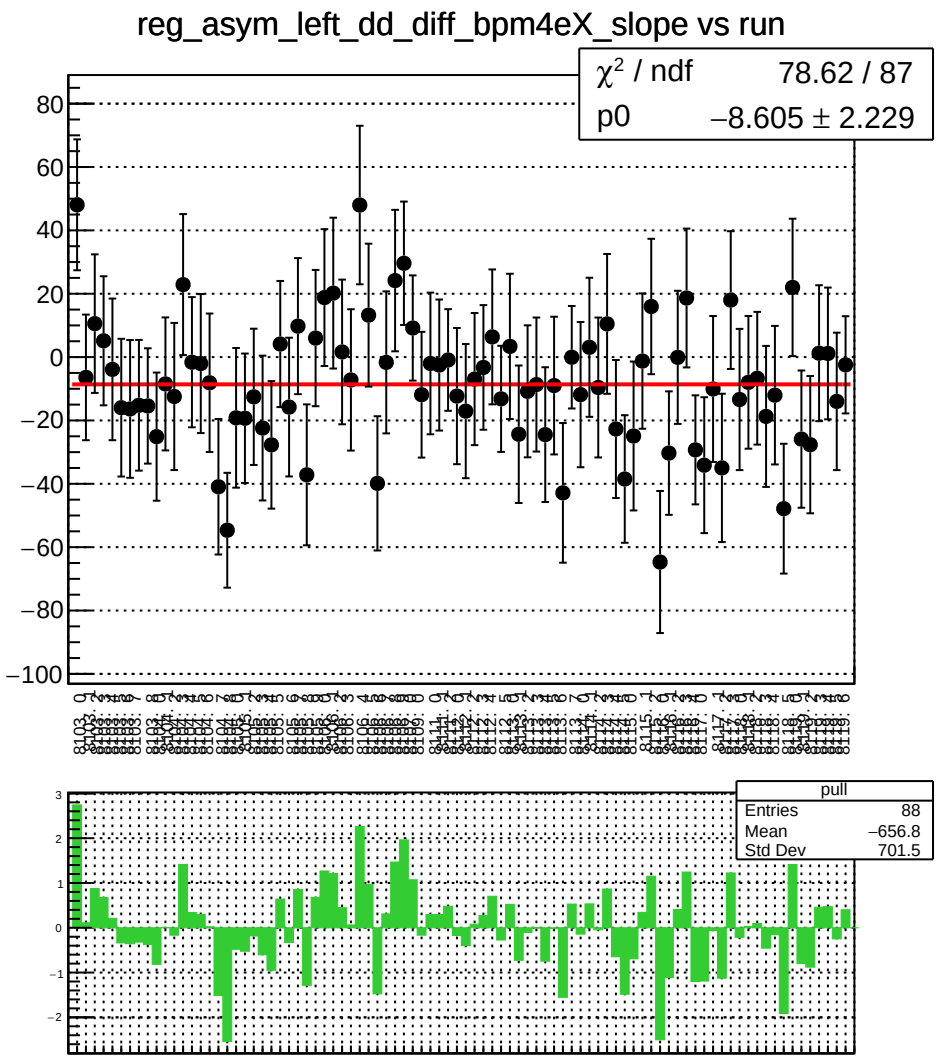

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 81.64 / 87
p0 −16.62 ± 0.1408
pull
Entries 88
Mean −5224
Std Dev 5269
pull1D
Entries 88
Mean −0.001508
Std Dev 0.9632

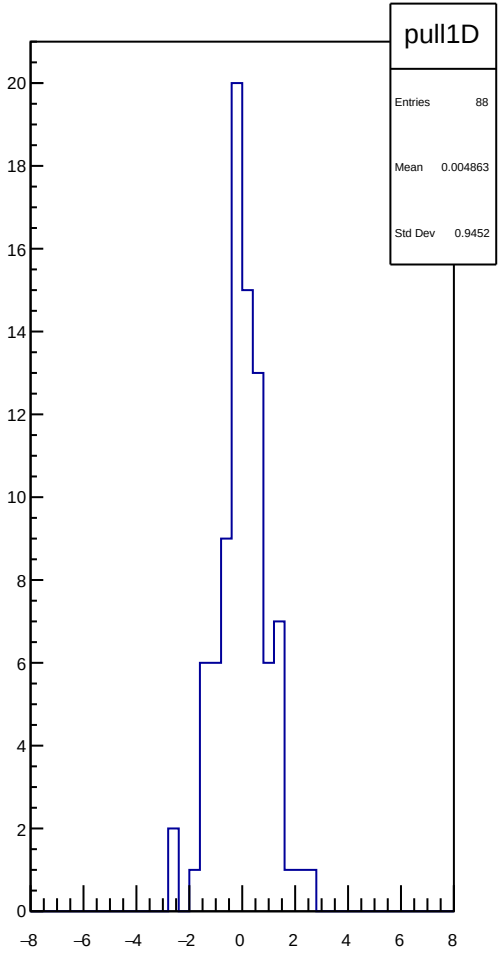

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 80.52 / 87
p0 −24.11 ± 2.344
pull
Entries 88
Mean −615.1
Std Dev 659.8

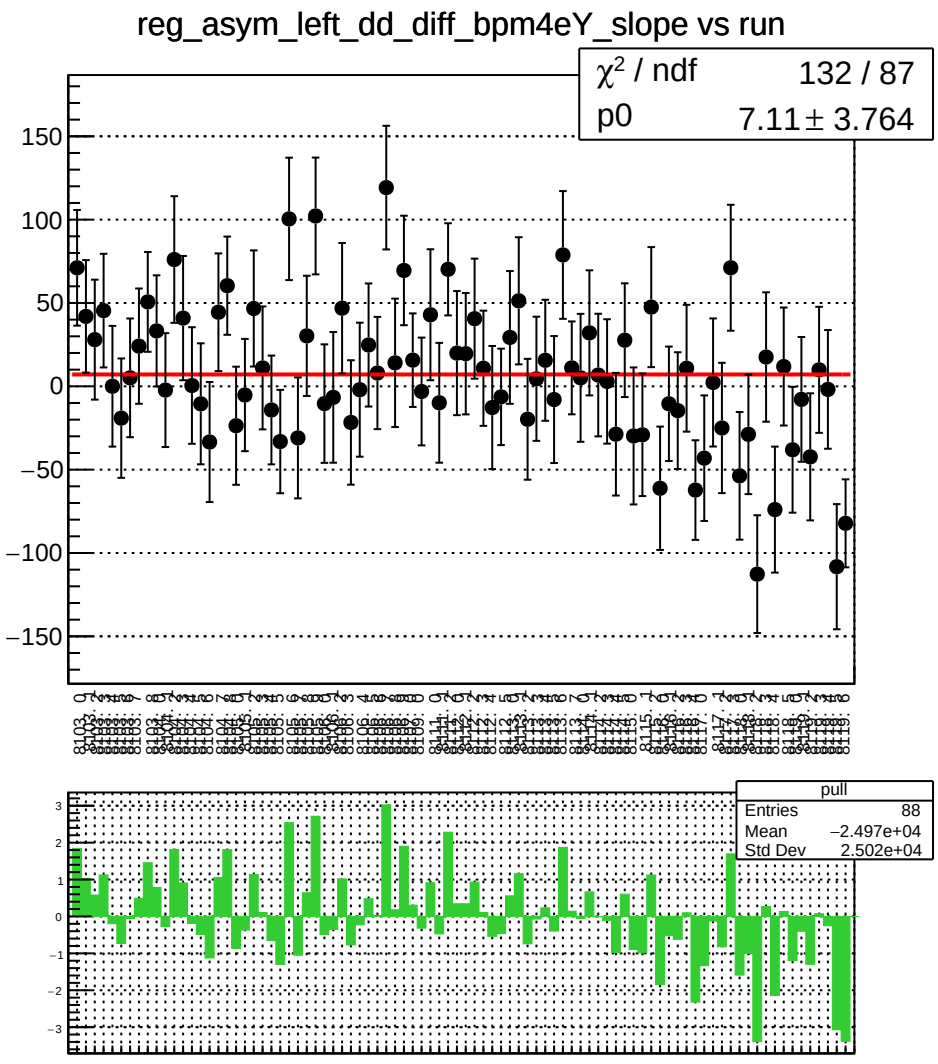

pull1D
Entries 88
Mean −0.004703
Std Dev 0.9566

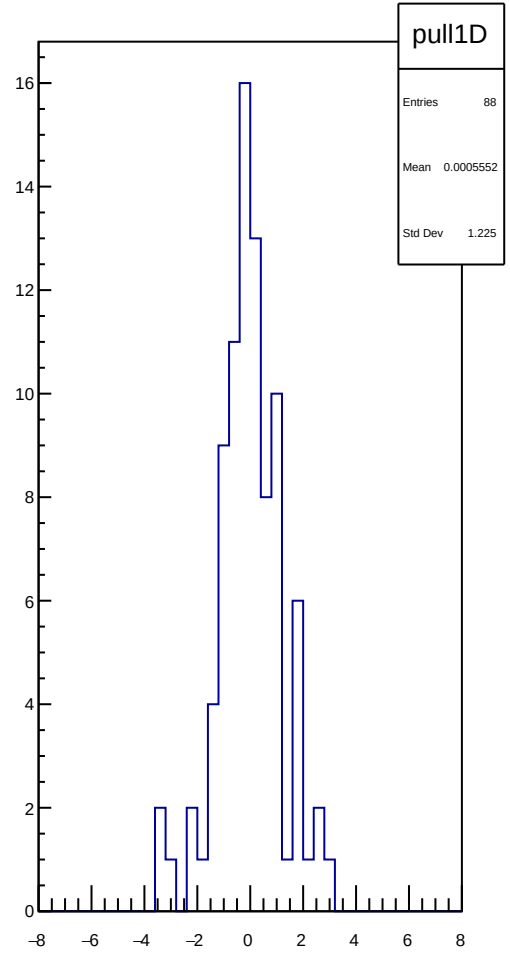

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 134.2 / 87
p0 1.075 ± 3.52
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 1.012e+05
Std Dev 1.011e+05
3
2
1
0
−1
−2
−3

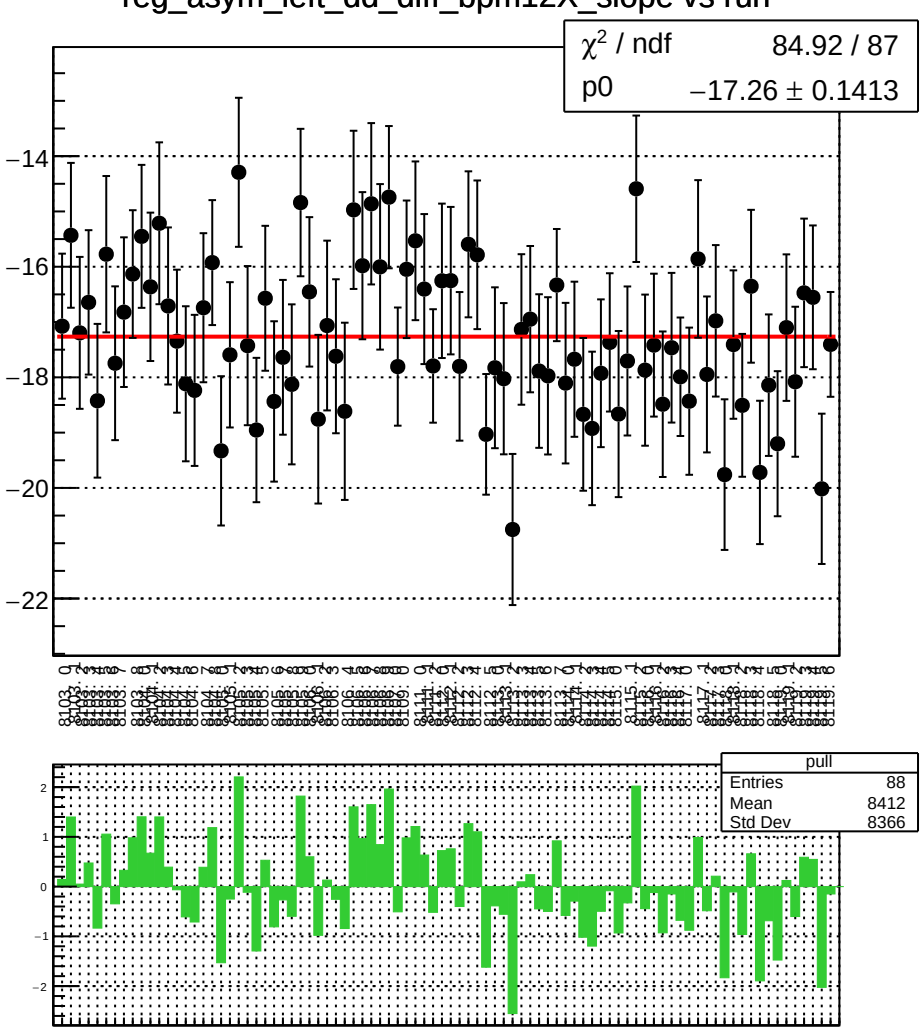

pull1D
Entries 88
Mean 0.0001389
Std Dev 1.235
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

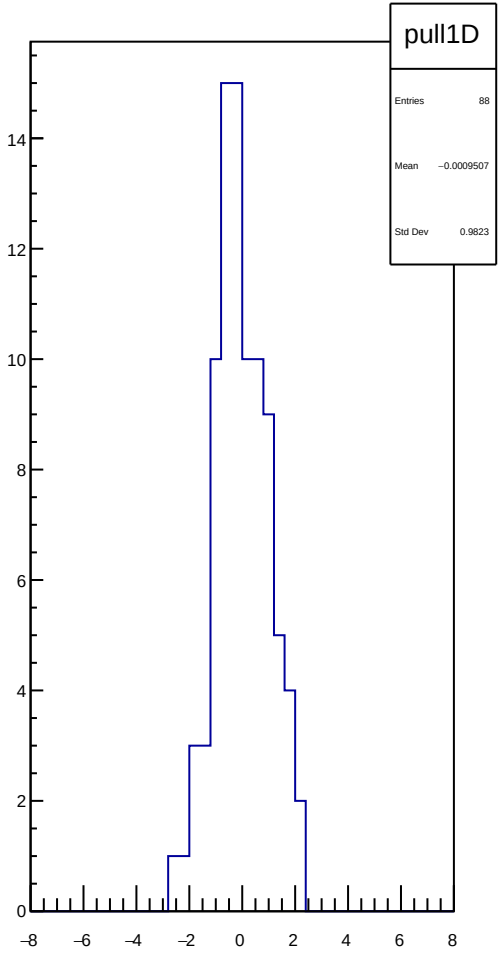

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 78.62 / 87
p0 −8.605 ± 2.229
pull
Entries 88
Mean −656.8
Std Dev 701.5

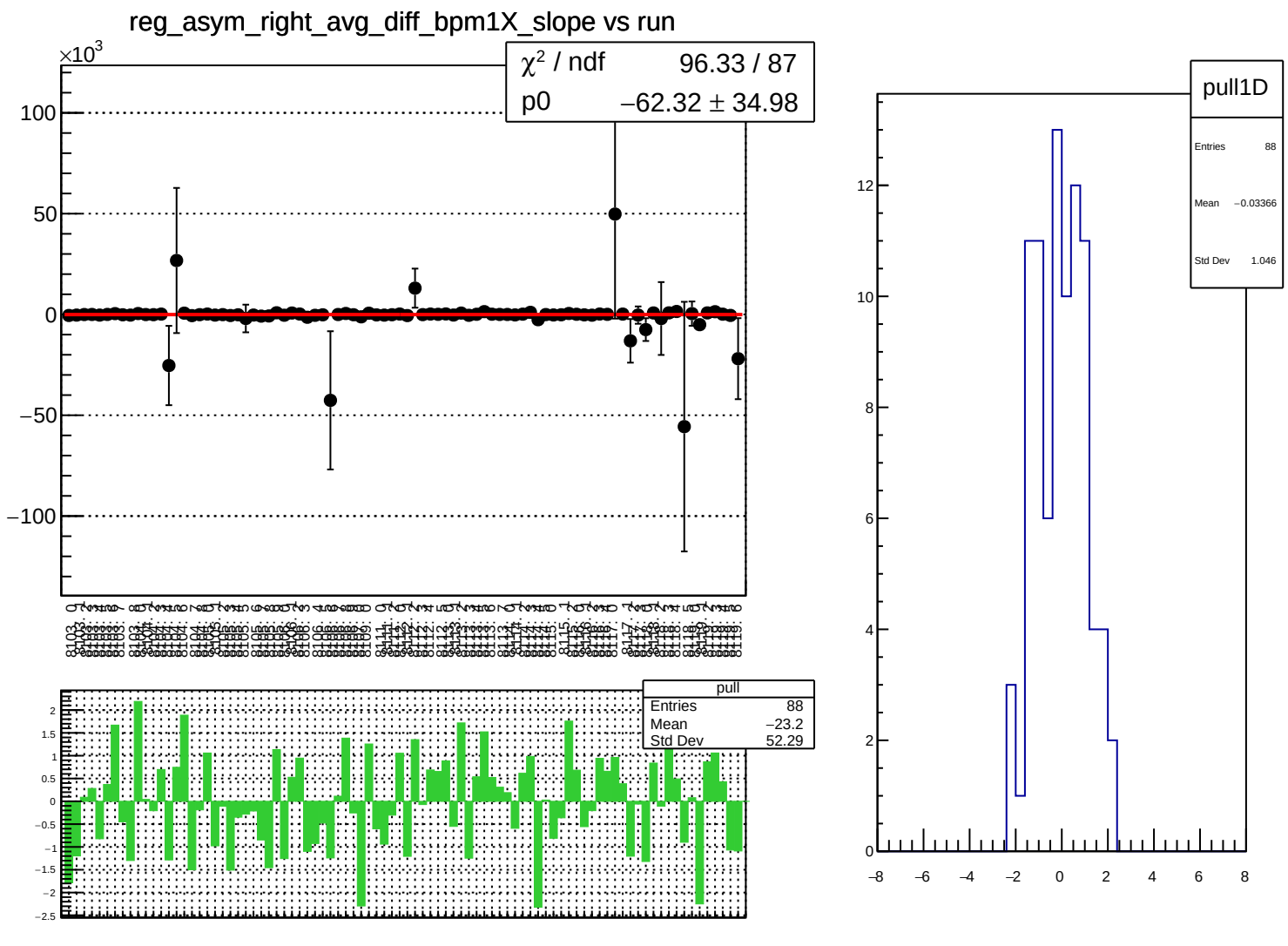

pull1D
Entries 88
Mean 0.004863
Std Dev 0.9452

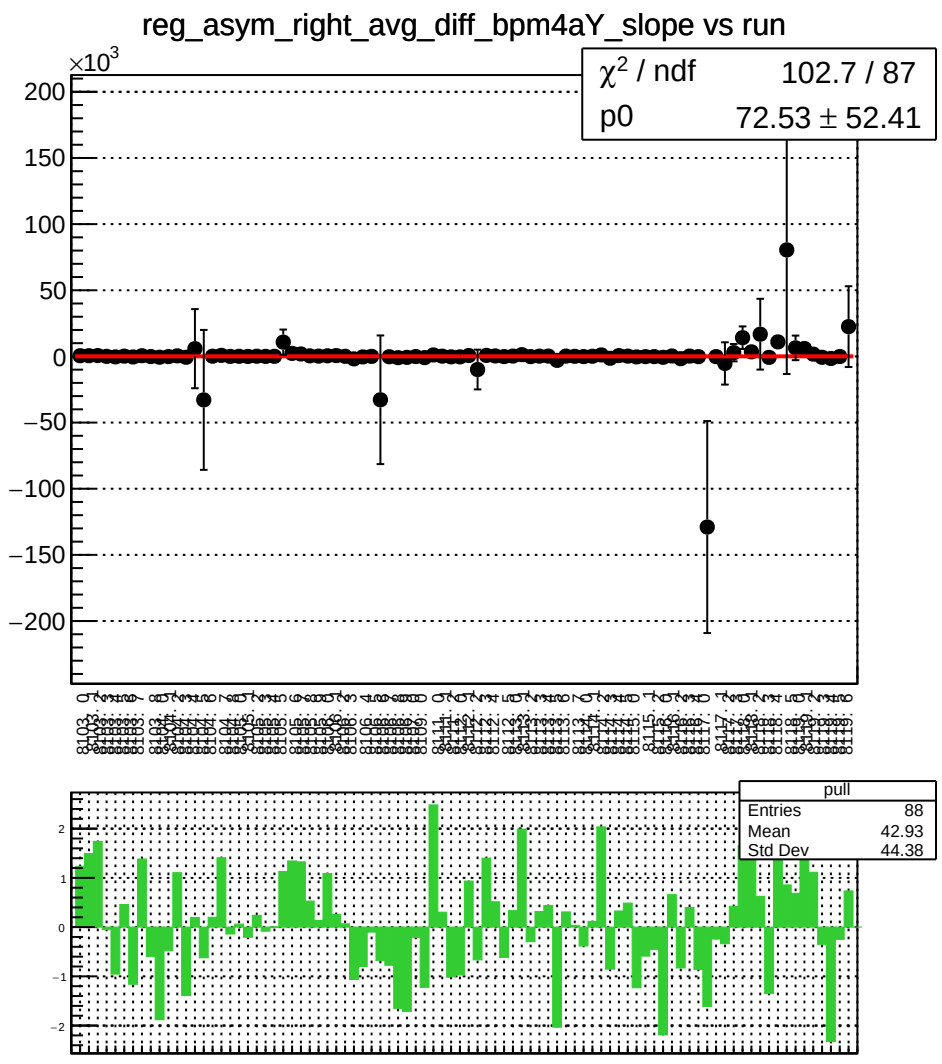

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 132 / 87
p0 7.11 ± 3.764
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean −2.497e+04
Std Dev 2.502e+04
3
2
1
0
−1
−2
−3

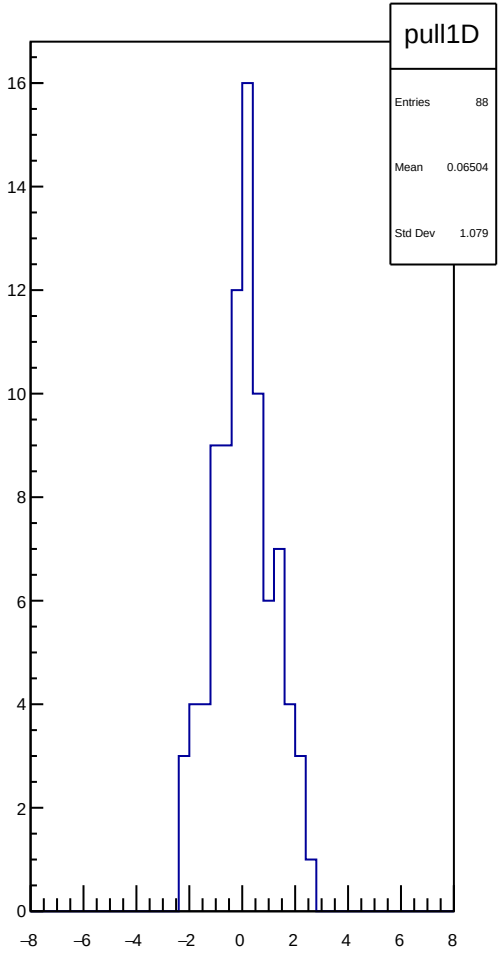

pull1D
Entries 88
Mean 0.0005552
Std Dev 1.225
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

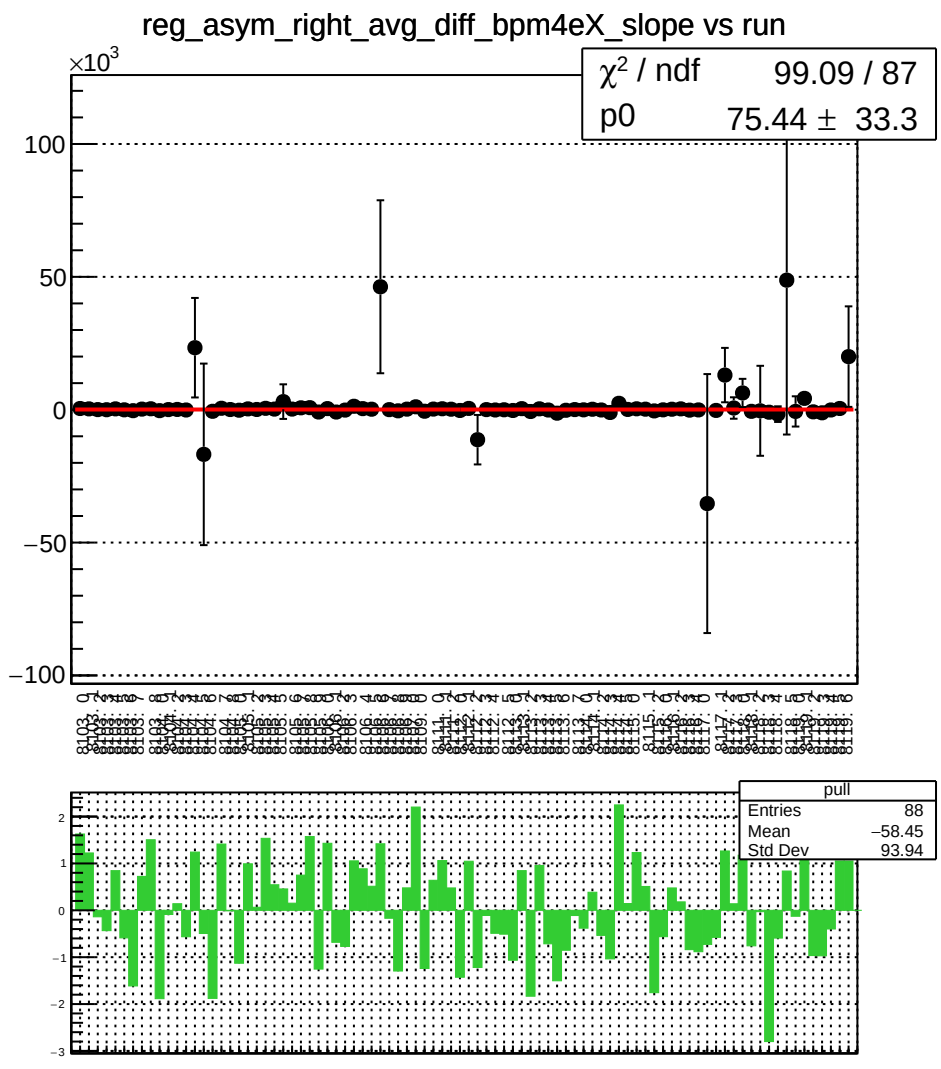

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 84.92 / 87
p0 −17.26 ± 0.1413
−14
−16
−18
−20
−22
pull
Entries 88
Mean 8412
Std Dev 8366
2
1
0
−1
−2

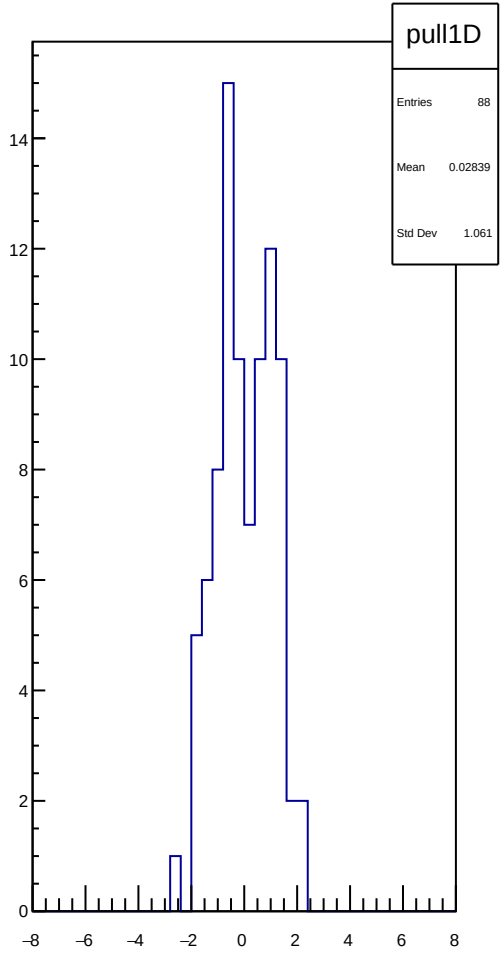

pull1D
Entries 88
Mean −0.0009507
Std Dev 0.9823
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

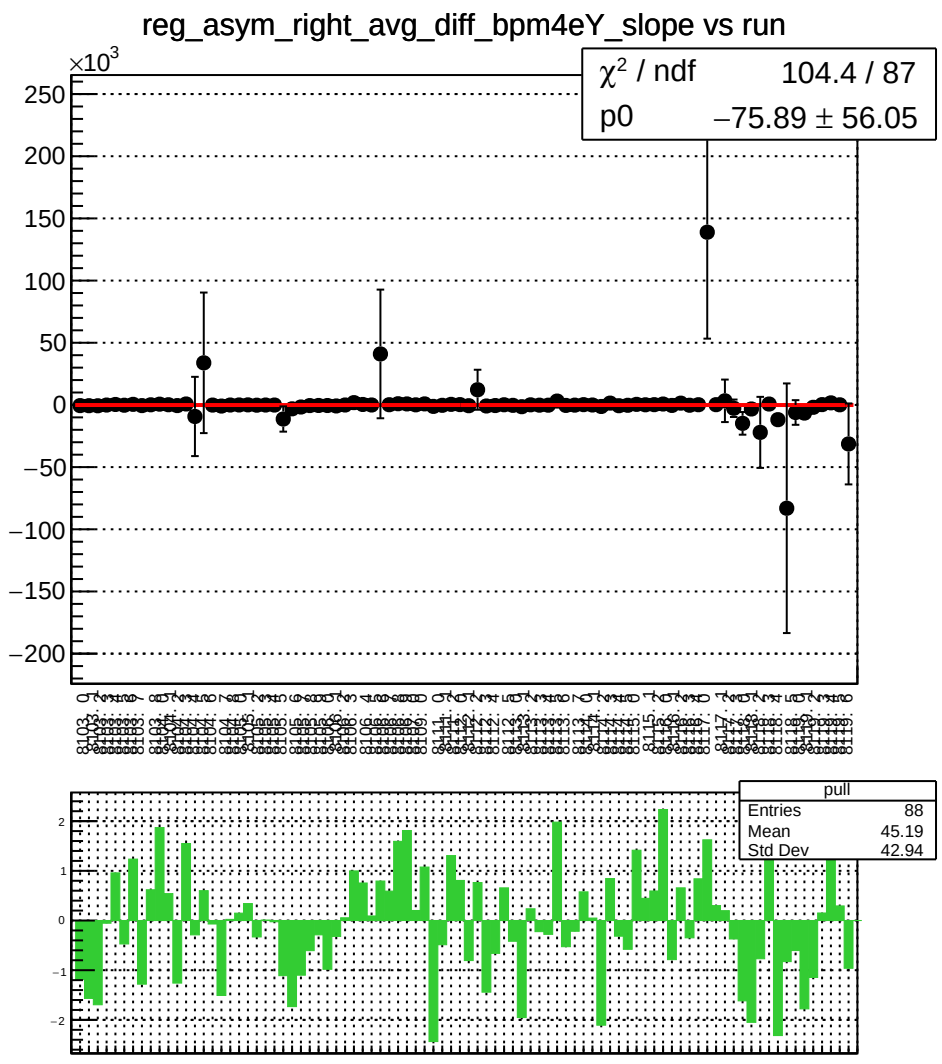

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 96.33 / 87
p0 −62.32 ± 34.98
100
50
0
−50
−100
pull
Entries 88
Mean −23.2
Std Dev 52.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 88
Mean −0.03366
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

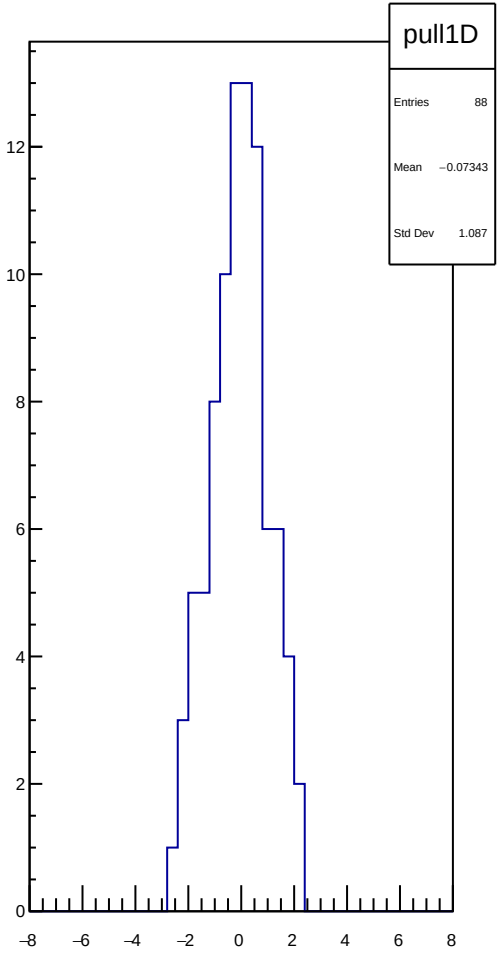

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 102.7 / 87
p0 72.53 ± 52.41
pull
Entries 88
Mean 42.93
Std Dev 44.38

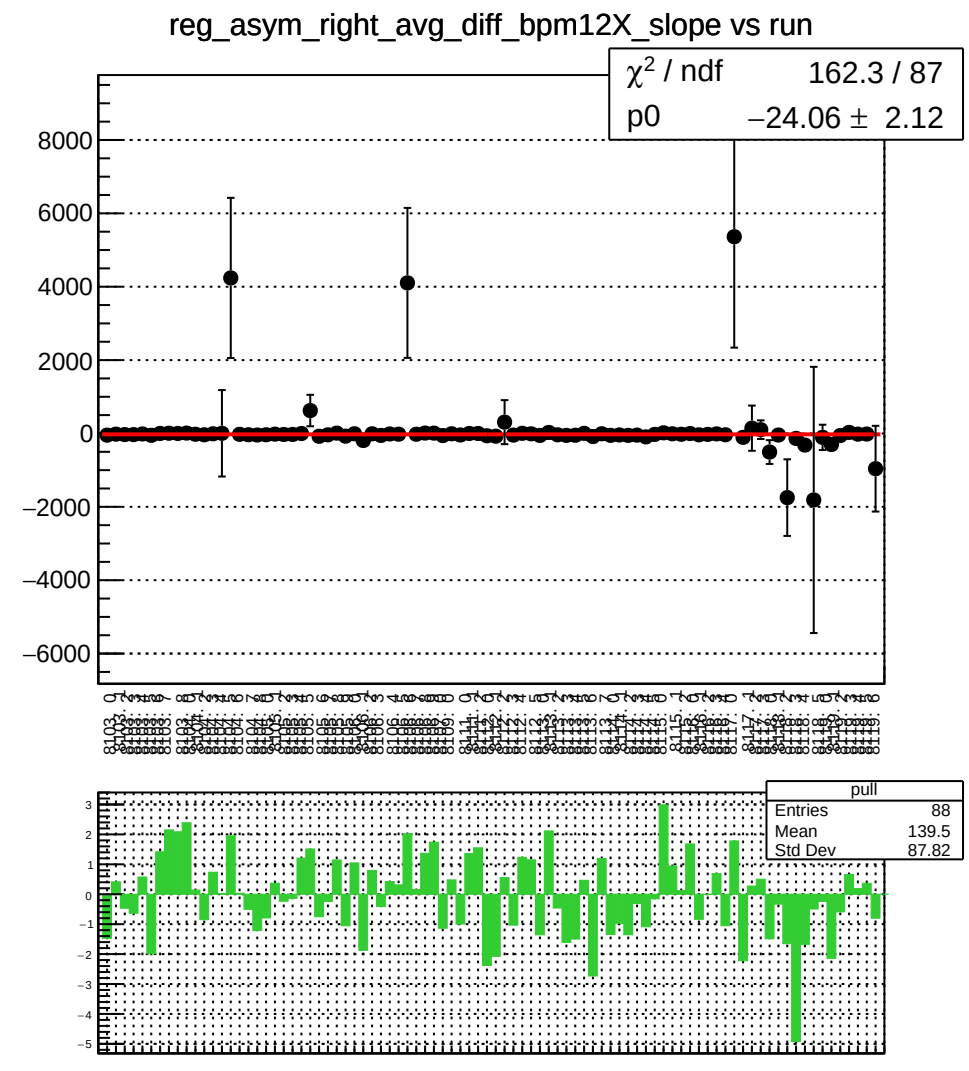

pull1D
Entries 88
Mean 0.06504
Std Dev 1.079

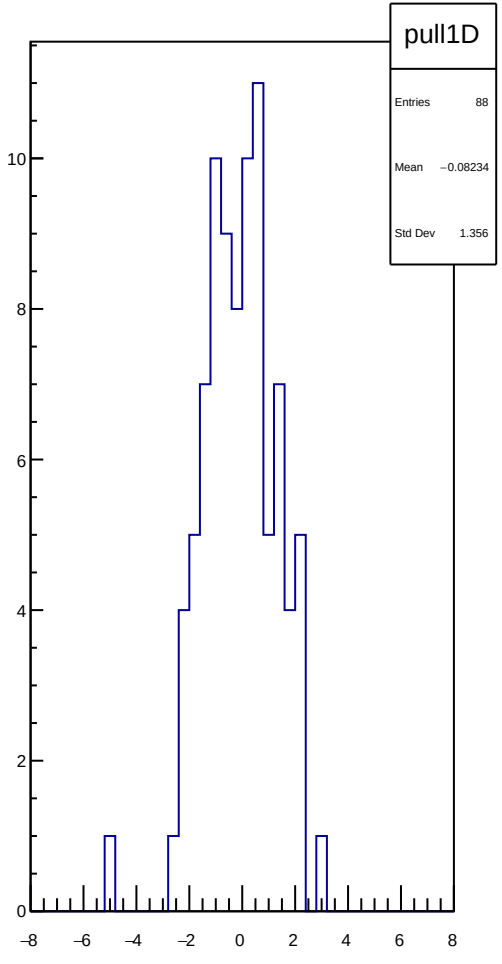

reg_asym_right_avg_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 99.09 / 87
p0 75.44 ± 33.3
100
50
0
−50
−100
pull
Entries 88
Mean −58.45
Std Dev 93.94
2
1
0
−1
−2
−3

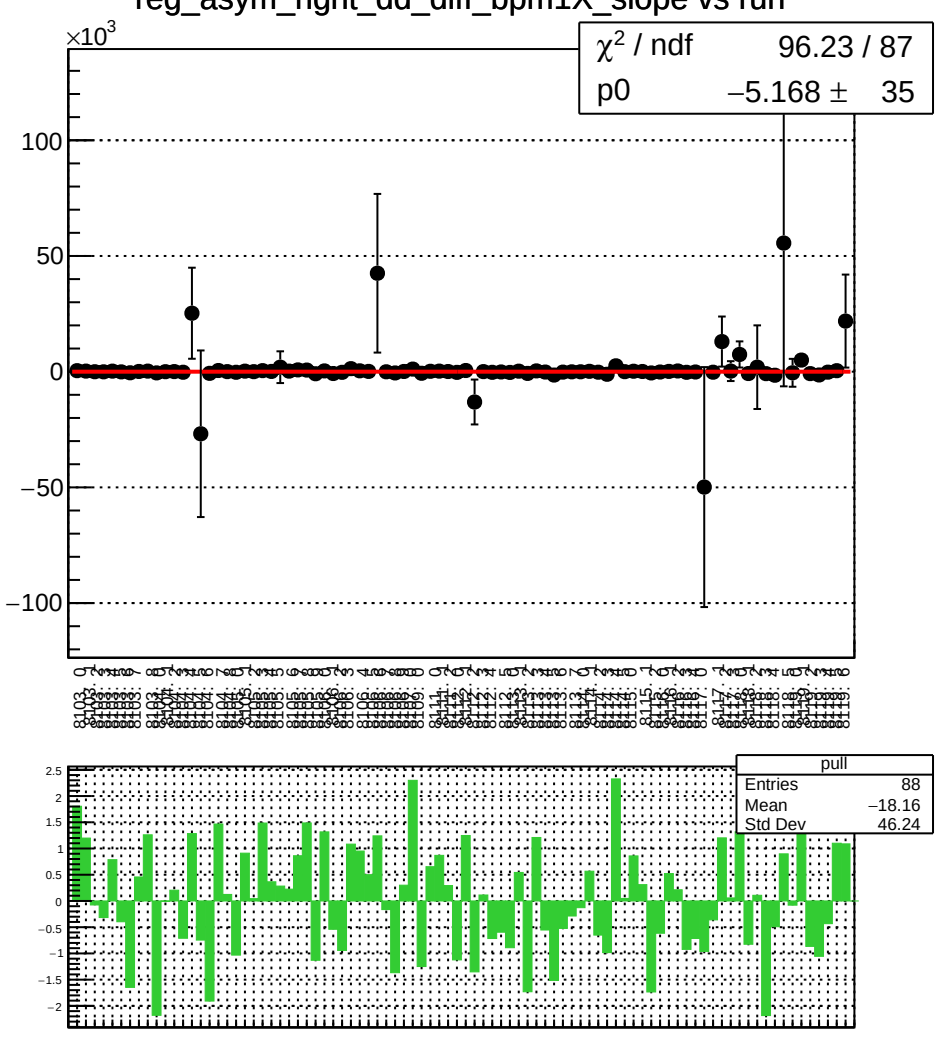

pull1D
Entries 88
Mean 0.02839
Std Dev 1.061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

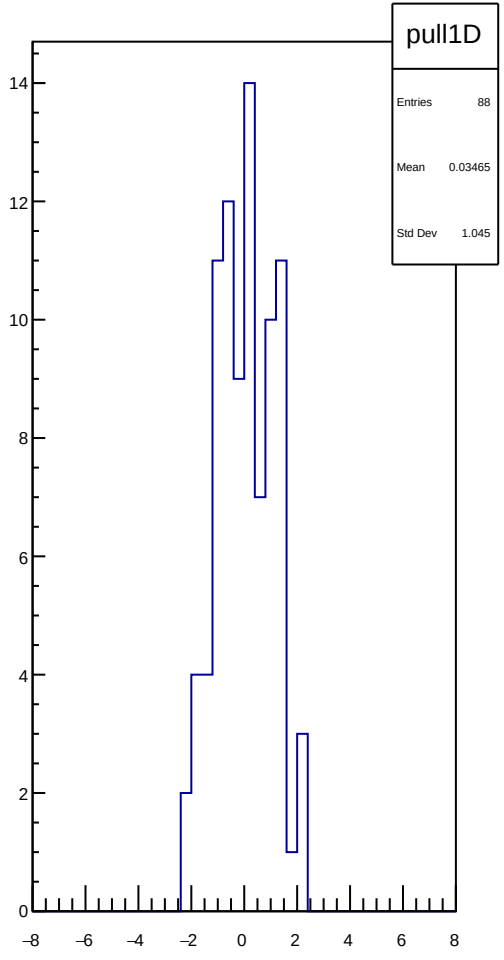

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 104.4 / 87
p0 −75.89 ± 56.05
pull
Entries 88
Mean 45.19
Std Dev 42.94

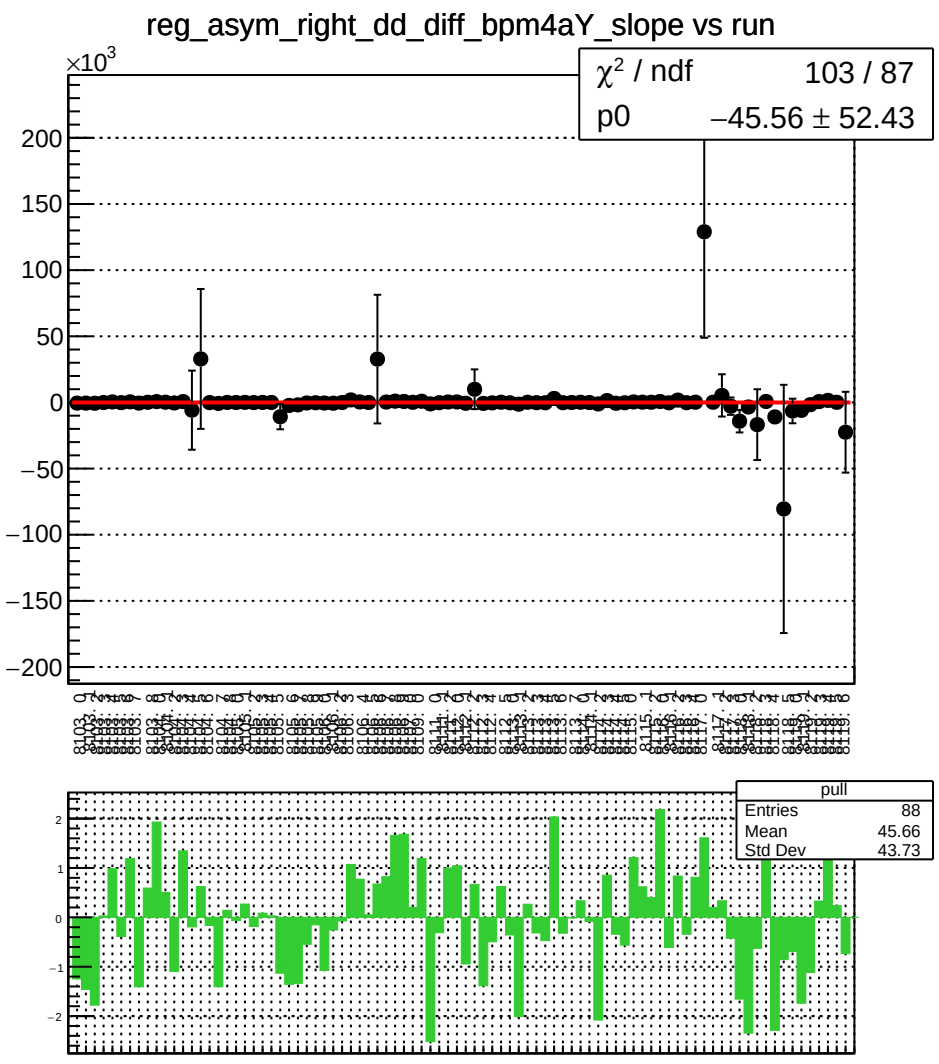

pull1D
Entries 88
Mean −0.07343
Std Dev 1.087

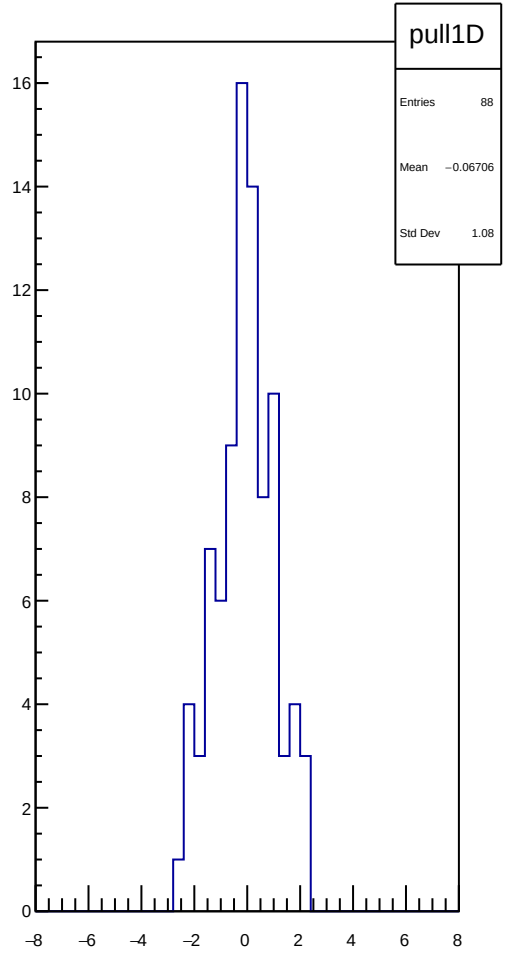

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 162.3 / 87
p0 −24.06 ± 2.12
pull
Entries 88
Mean 139.5
Std Dev 87.82

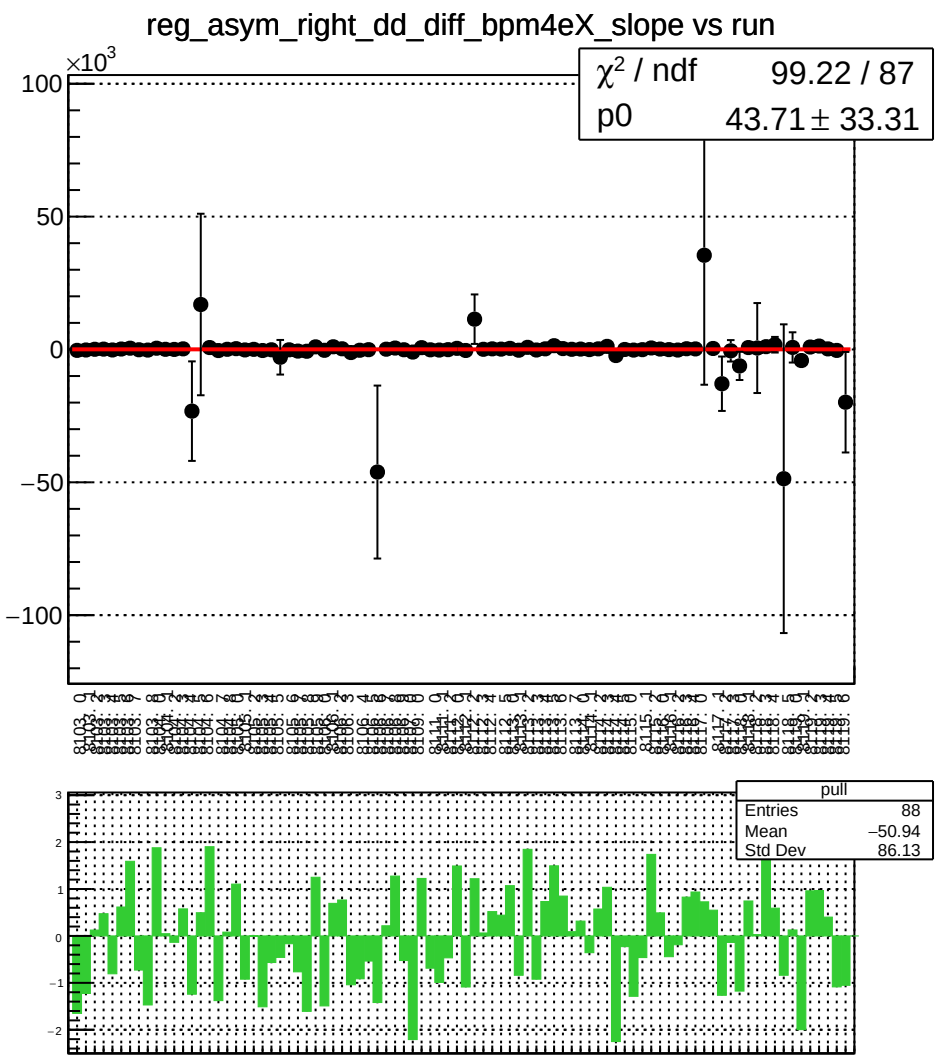

pull1D
Entries 88
Mean −0.08234
Std Dev 1.356

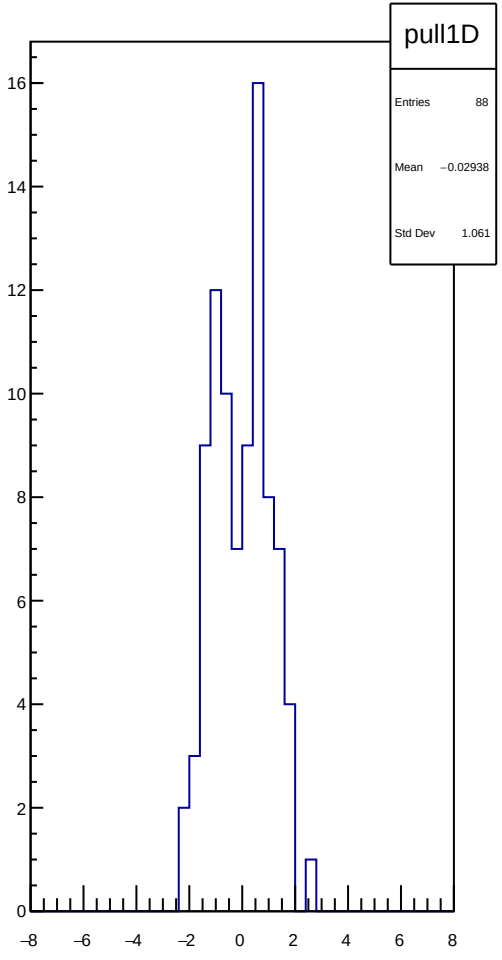

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 96.23 / 87
p0 −5.168 ± 35
100
50
0
−50
−100
pull
Entries 88
Mean −18.16
Std Dev 46.24
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

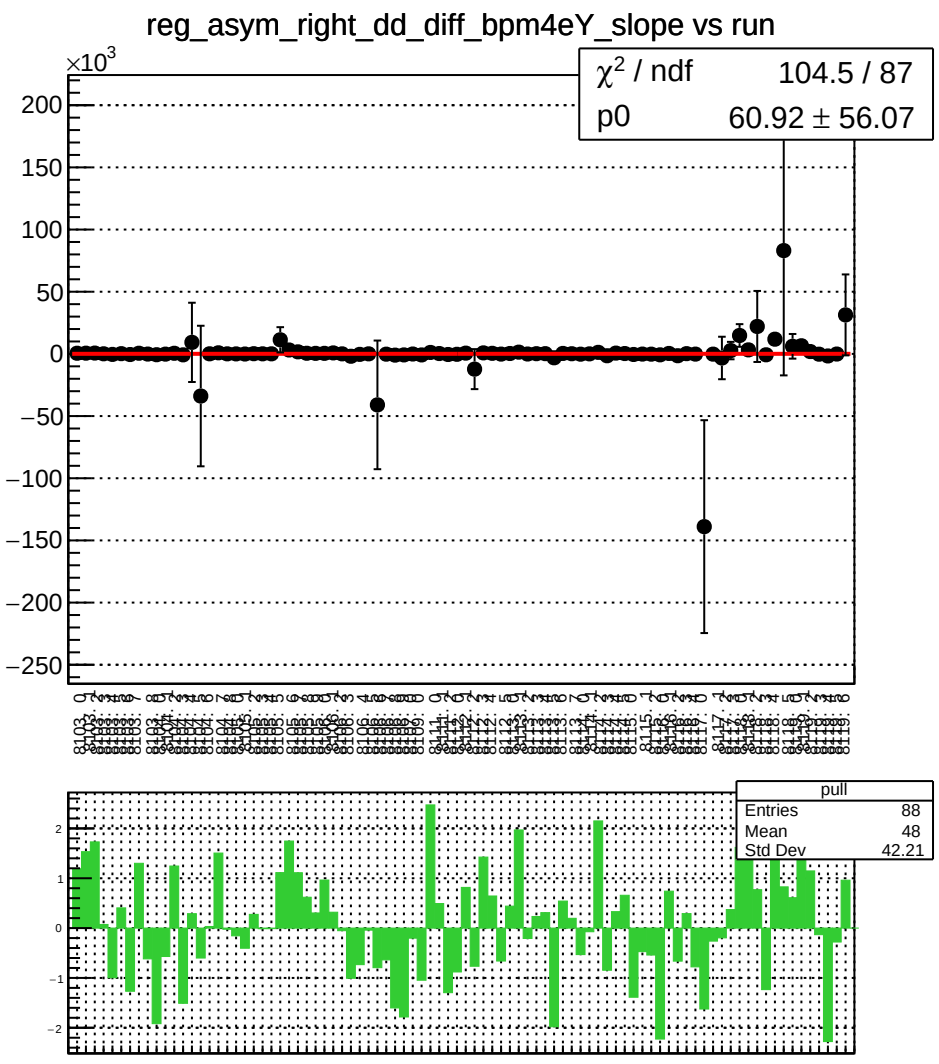

pull1D
Entries 88
Mean 0.03465
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

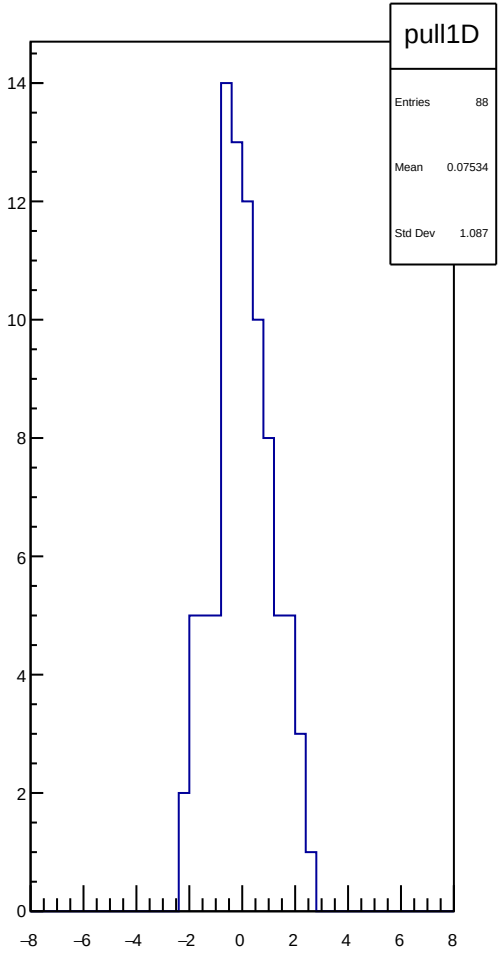

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 103 / 87
p0 −45.56 ± 52.43
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 88
Mean 45.66
Std Dev 43.73
2
1
0
−1
−2

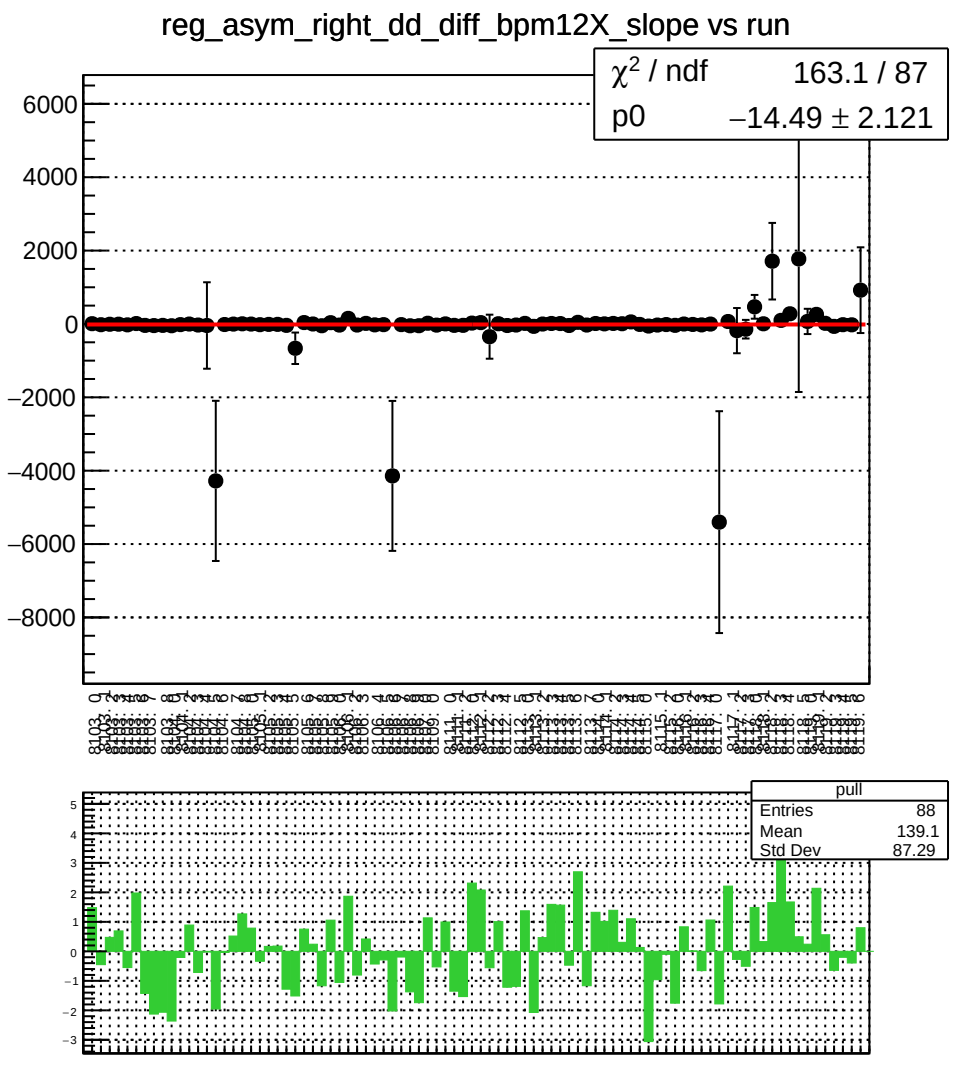

pull1D
Entries 88
Mean −0.06706
Std Dev 1.08
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

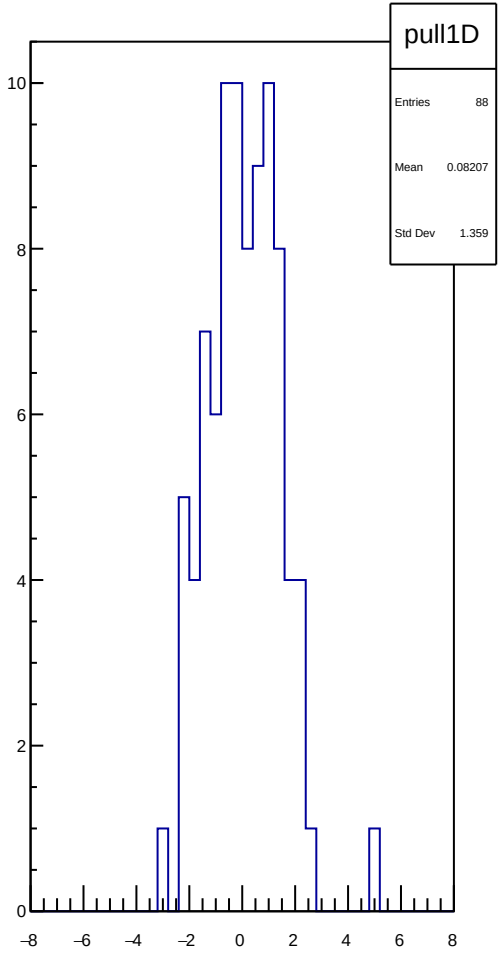

reg_asym_right_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 99.22 / 87
p0 43.71 ± 33.31
pull
Entries 88
Mean −50.94
Std Dev 86.13

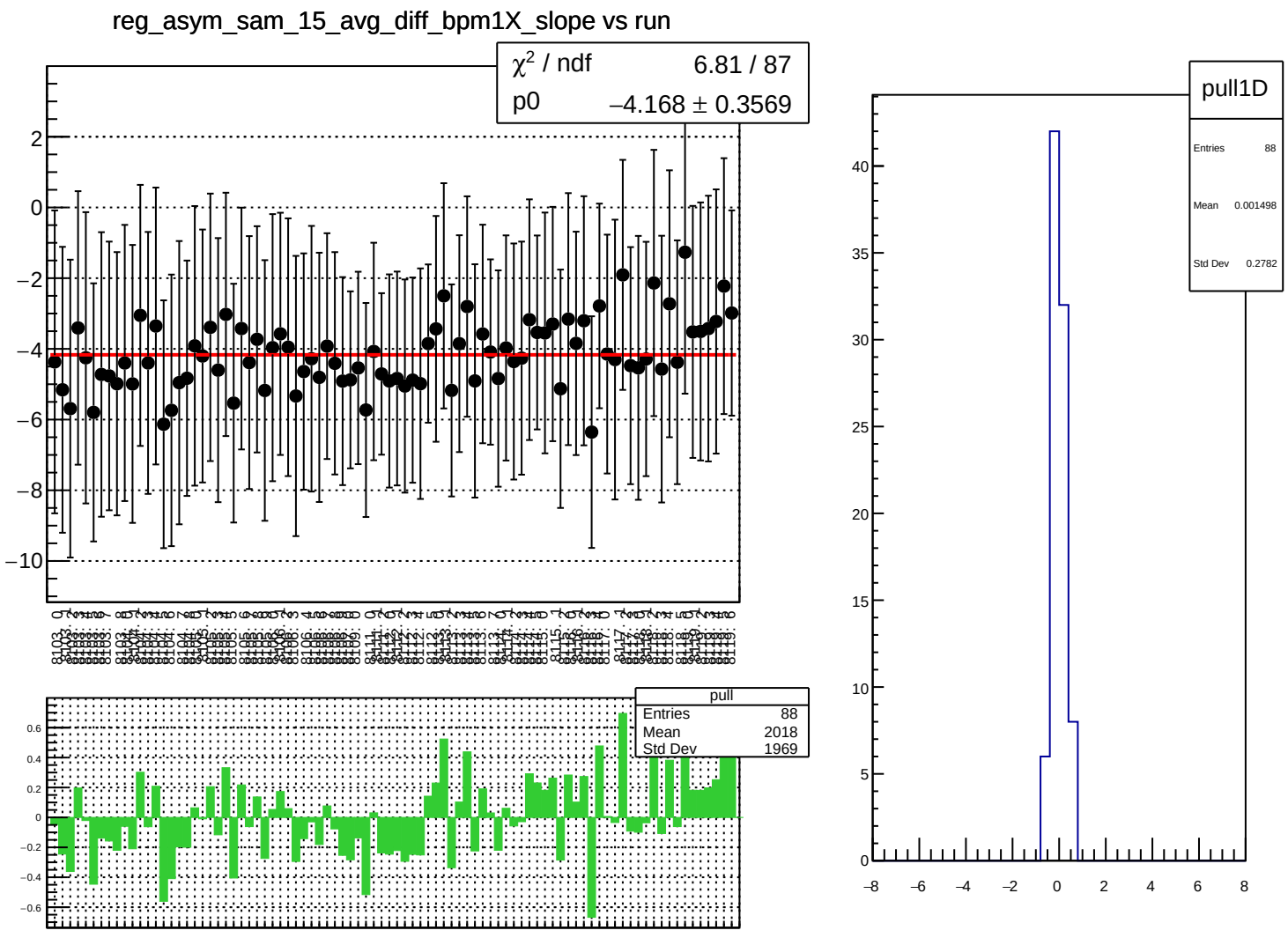

pull1D
Entries 88
Mean −0.02938
Std Dev 1.061

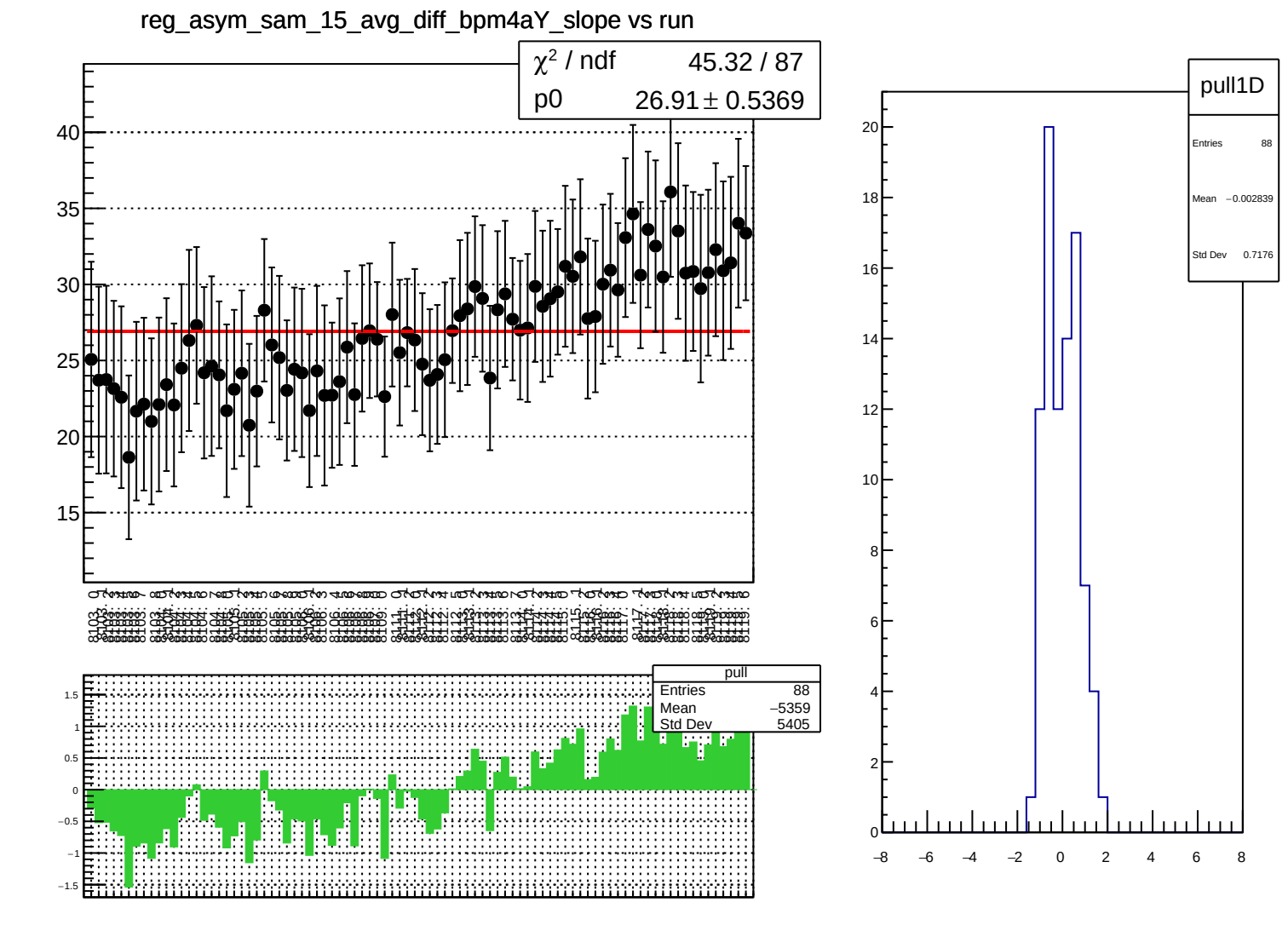

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 104.5 / 87
p0 60.92 ± 56.07
pull
Entries 88
Mean 48
Std Dev 42.21

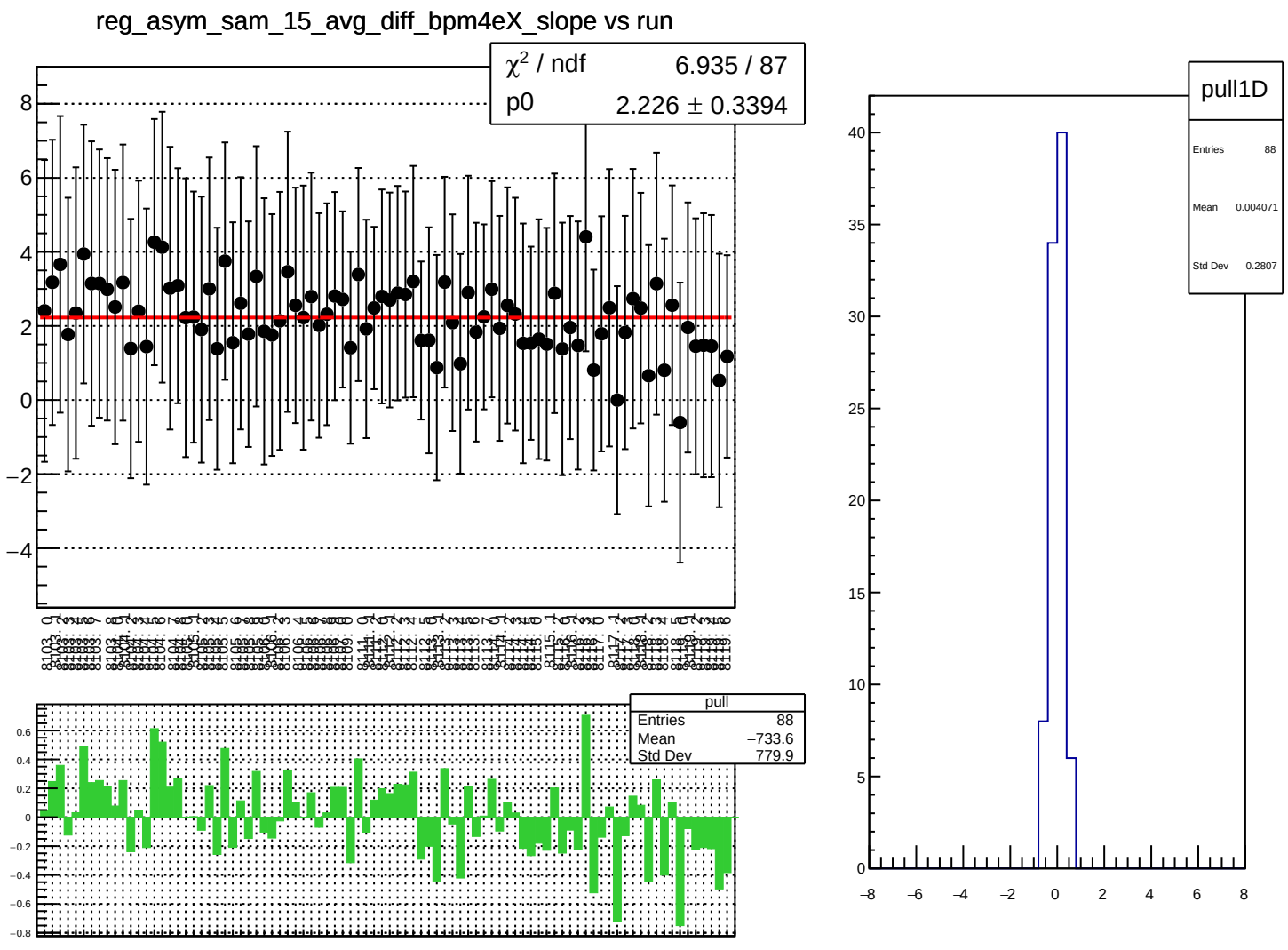

pull1D
Entries 88
Mean 0.07534
Std Dev 1.087

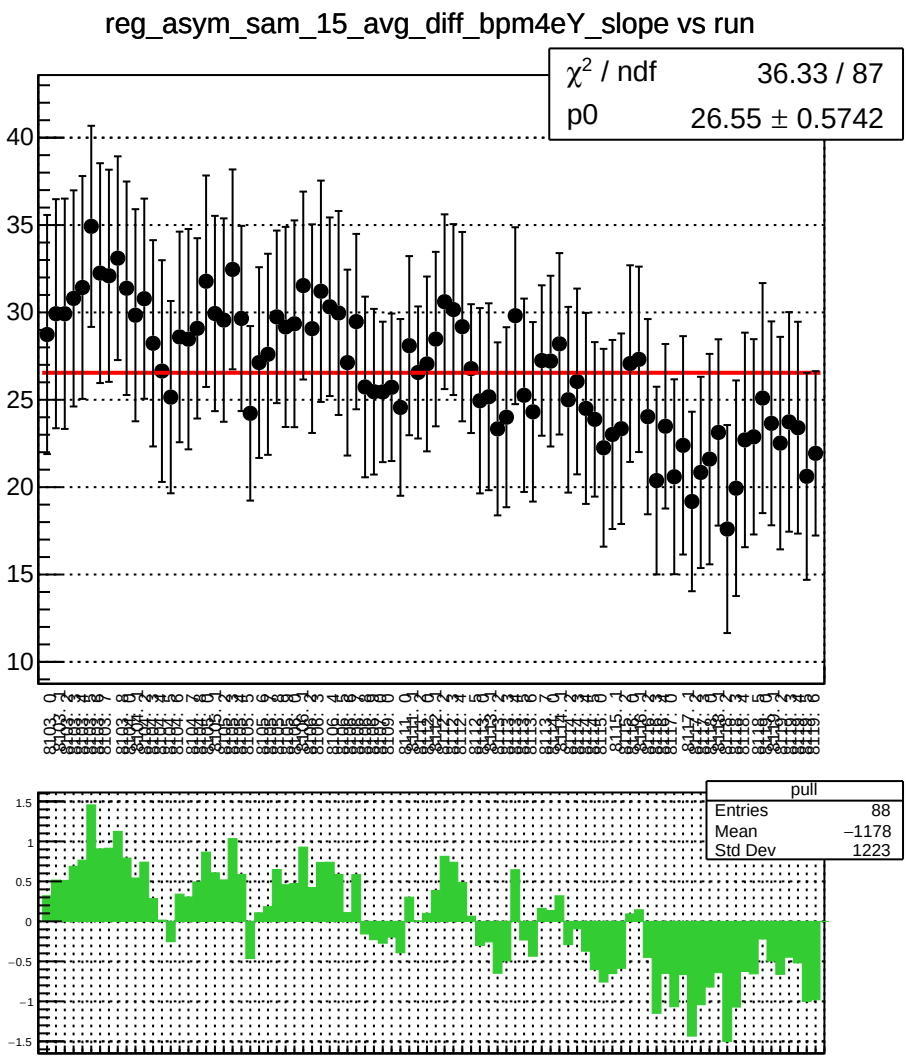

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 163.1 / 87
p0 −14.49 ± 2.121
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 88
Mean 139.1
Std Dev 87.29
5
4
3
2
1
0
−1
−2
−3

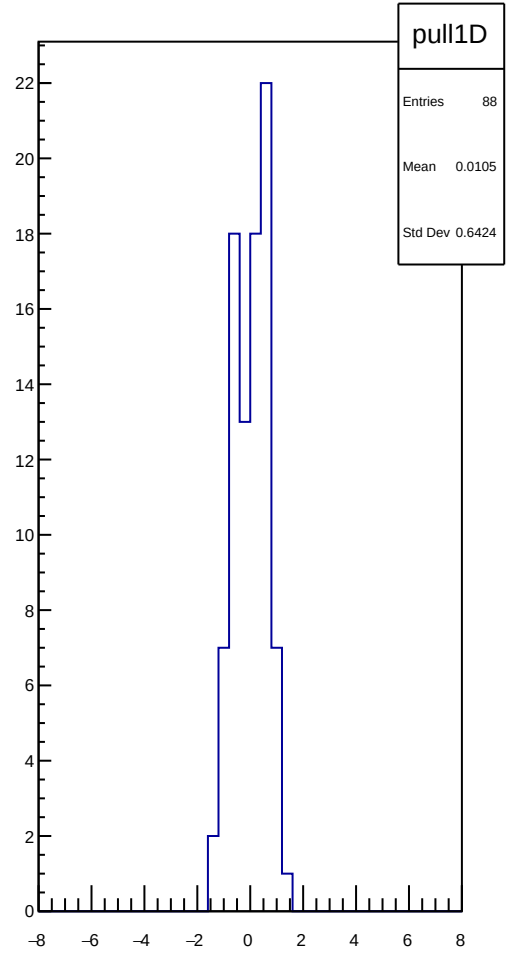

pull1D
Entries 88
Mean 0.08207
Std Dev 1.359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

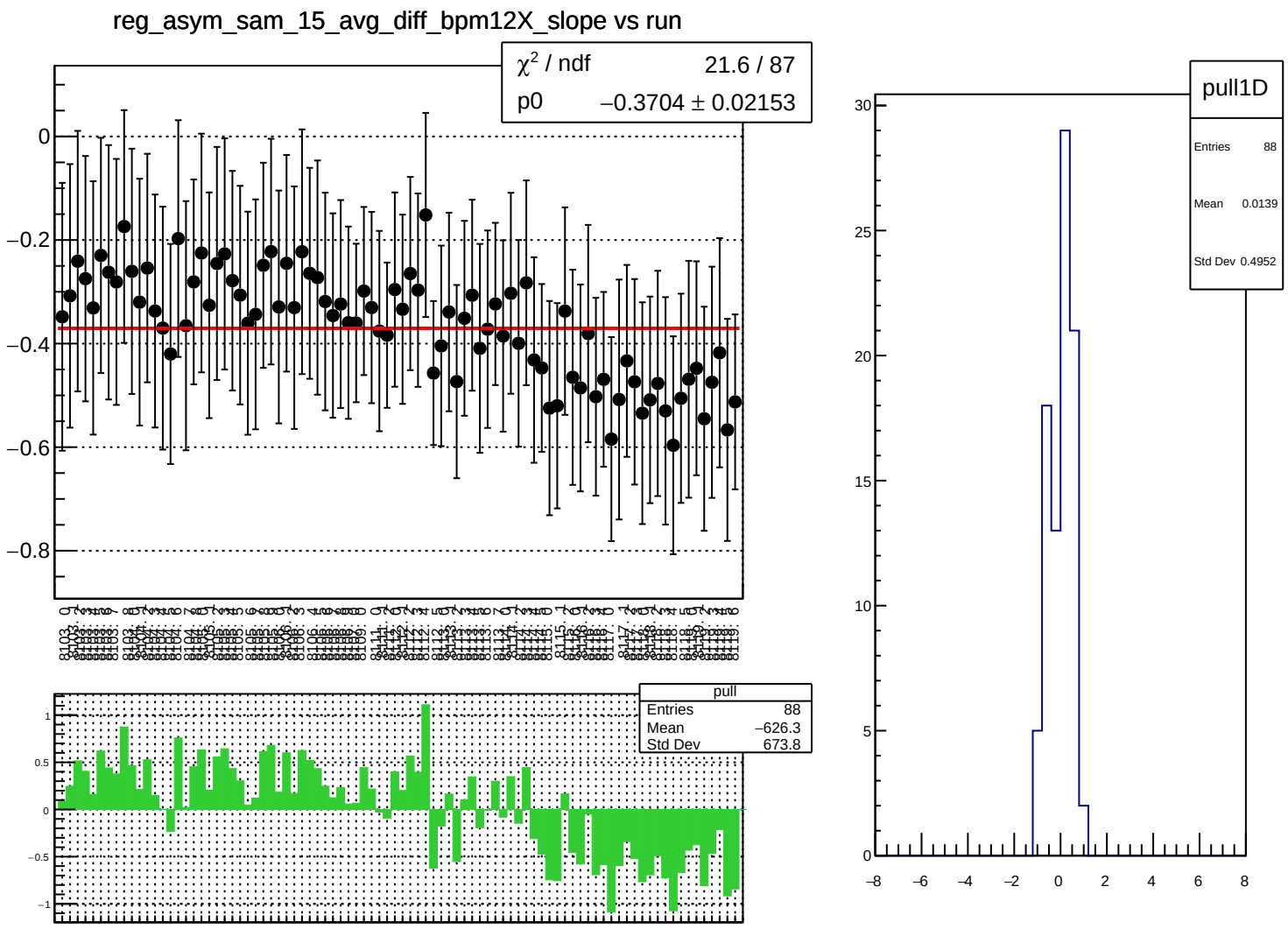

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 6.81 / 87
p0 −4.168 ± 0.3569
pull
Entries 88
Mean 2018
Std Dev 1969
pull1D
Entries 88
Mean 0.001498
Std Dev 0.2782

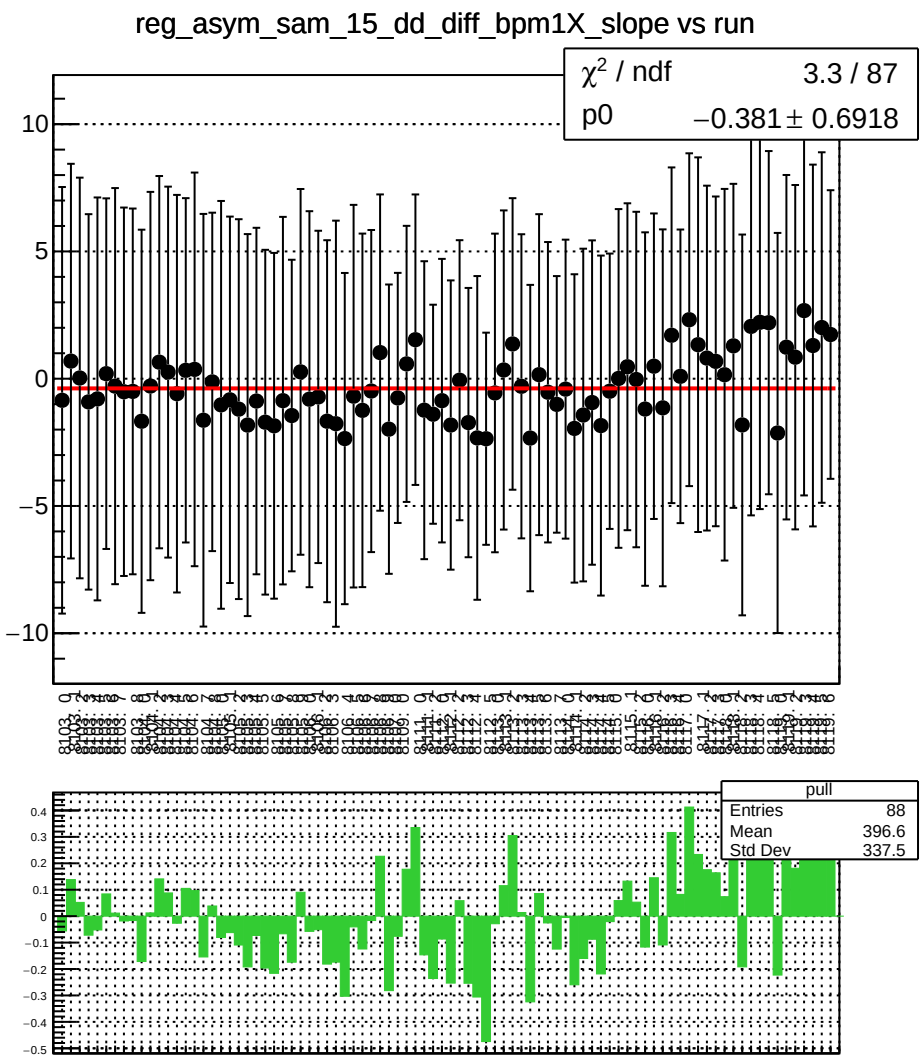

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.32 / 87
p0 26.91 ± 0.5369
pull
Entries 88
Mean −5359
Std Dev 5405
pull1D
Entries 88
Mean −0.002839
Std Dev 0.7176

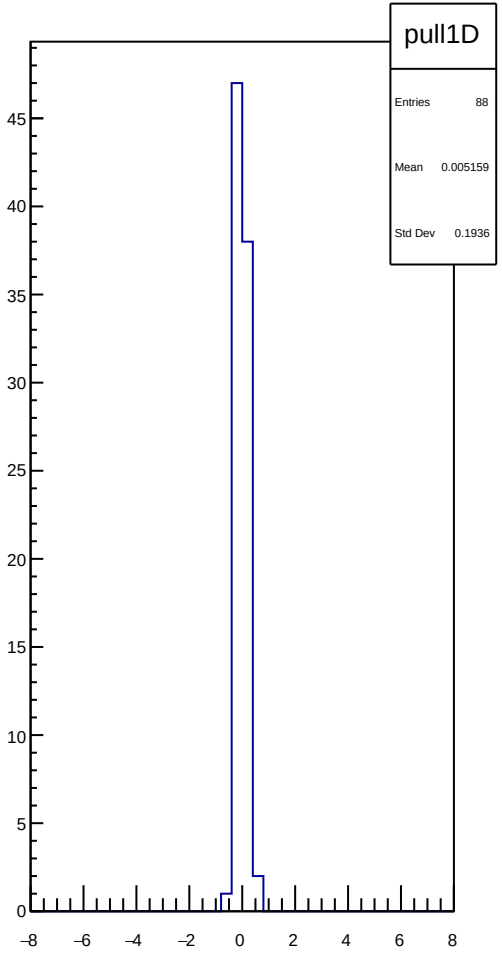

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.935 / 87
p0 2.226 ± 0.3394
pull
Entries 88
Mean −733.6
Std Dev 779.9
pull1D
Entries 88
Mean 0.004071
Std Dev 0.2807

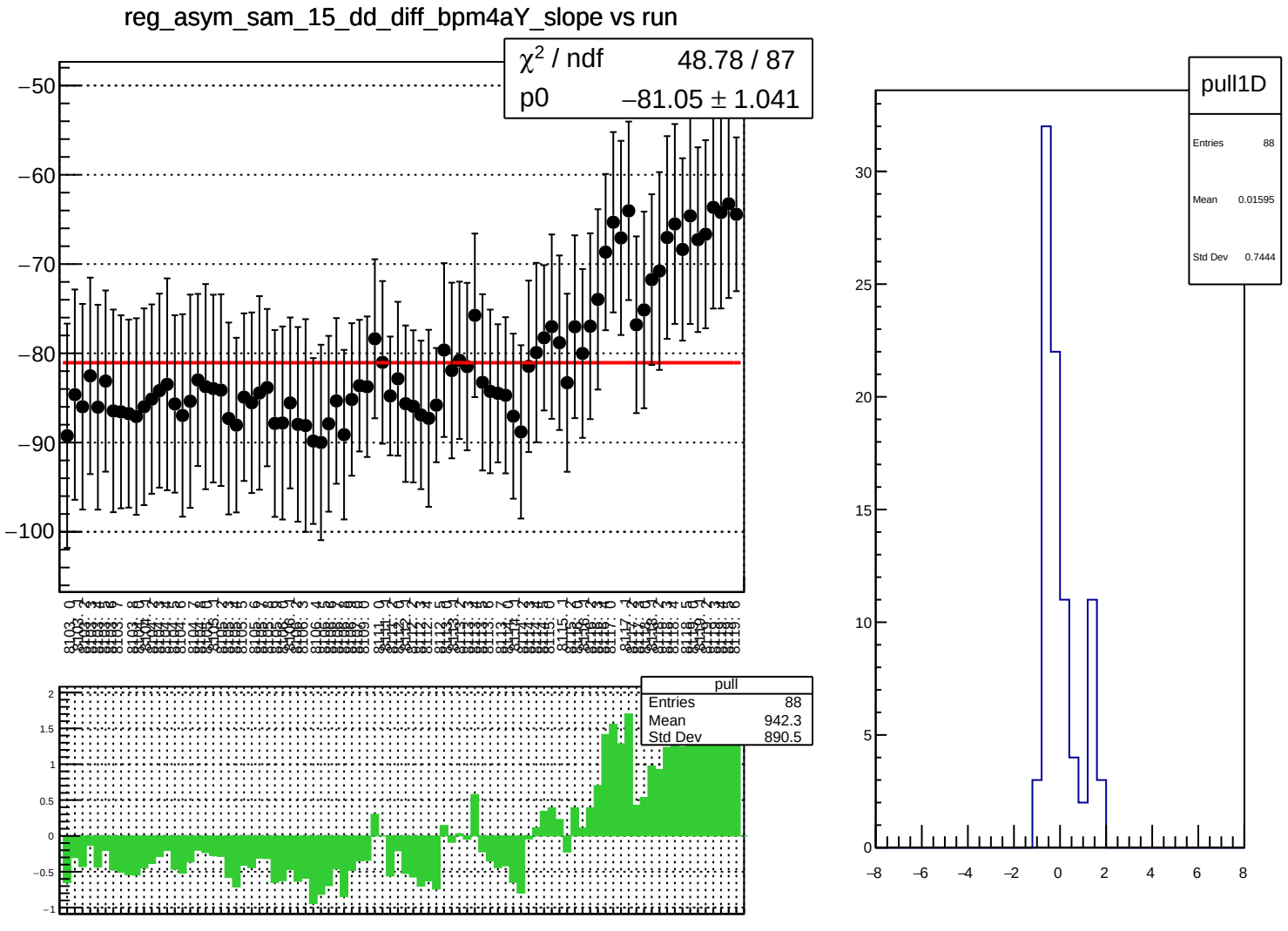

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.33 / 87
p0 26.55 ± 0.5742
pull
Entries 88
Mean −1178
Std Dev 1223

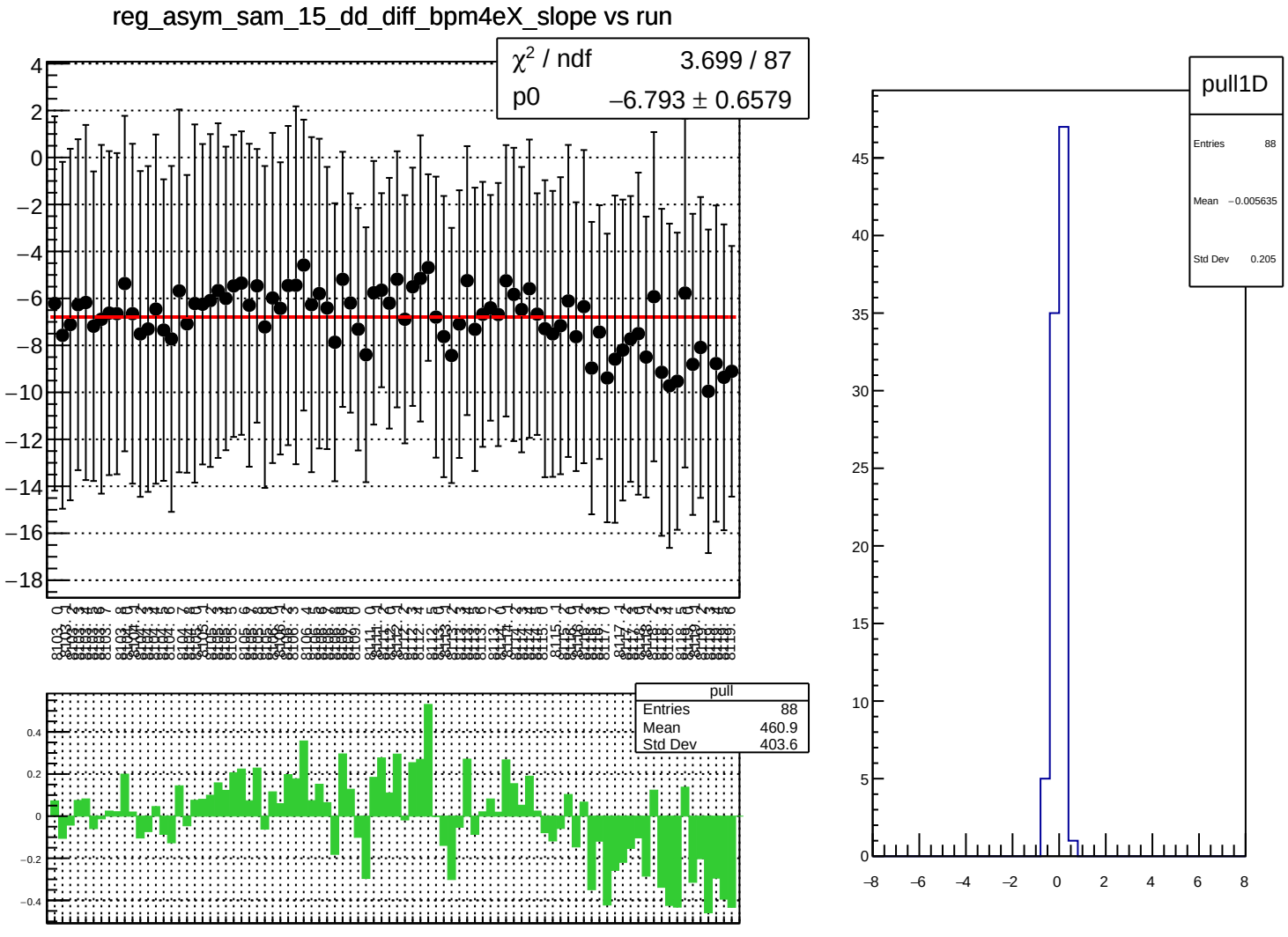

pull1D
Entries 88
Mean 0.0105
Std Dev 0.6424

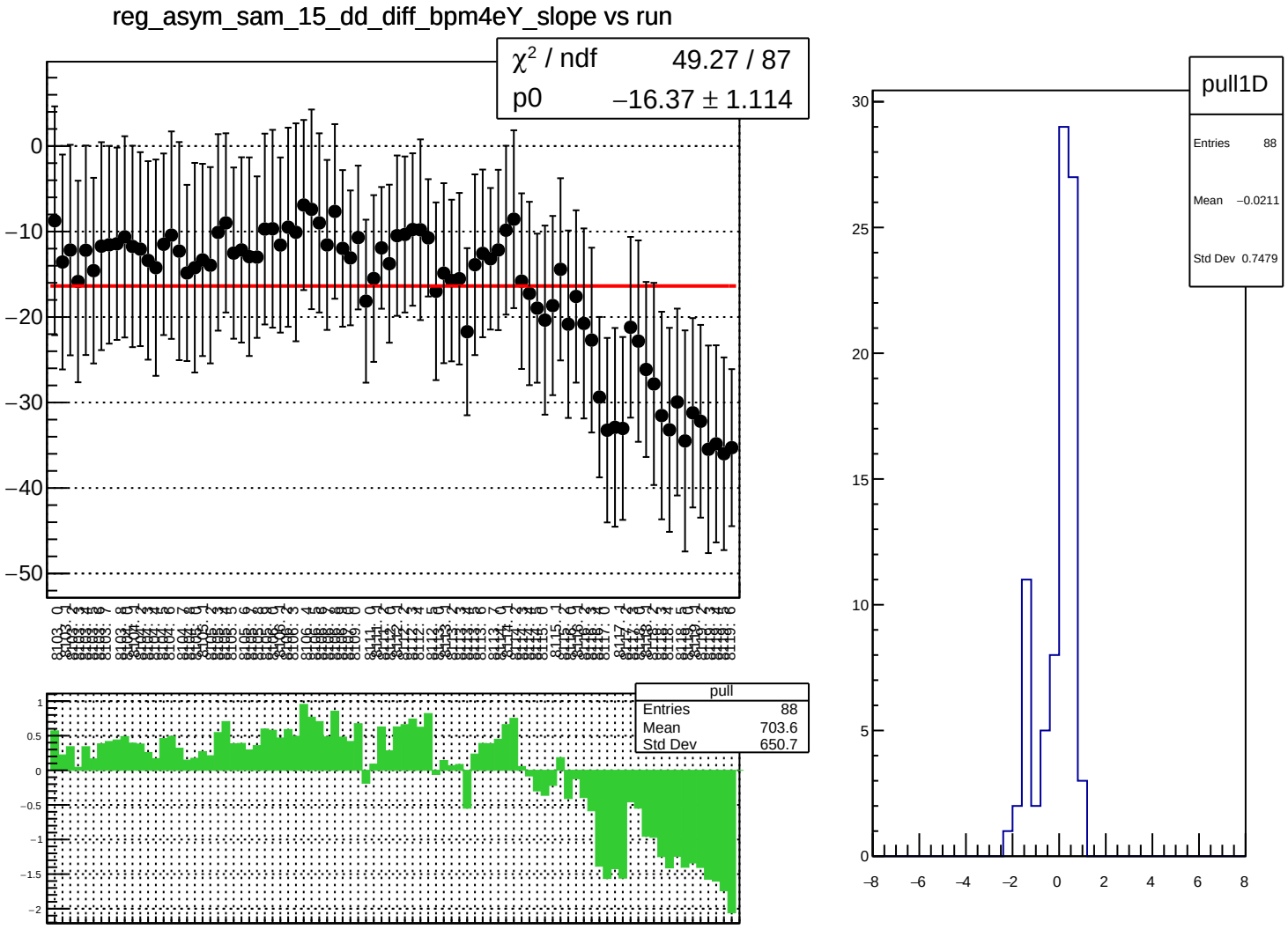

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 21.6 / 87
p0 −0.3704 ± 0.02153
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 88
Mean −626.3
Std Dev 673.8
1
0.5
0
−0.5
−1
pull1D
Entries 88
Mean 0.0139
Std Dev 0.4952
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

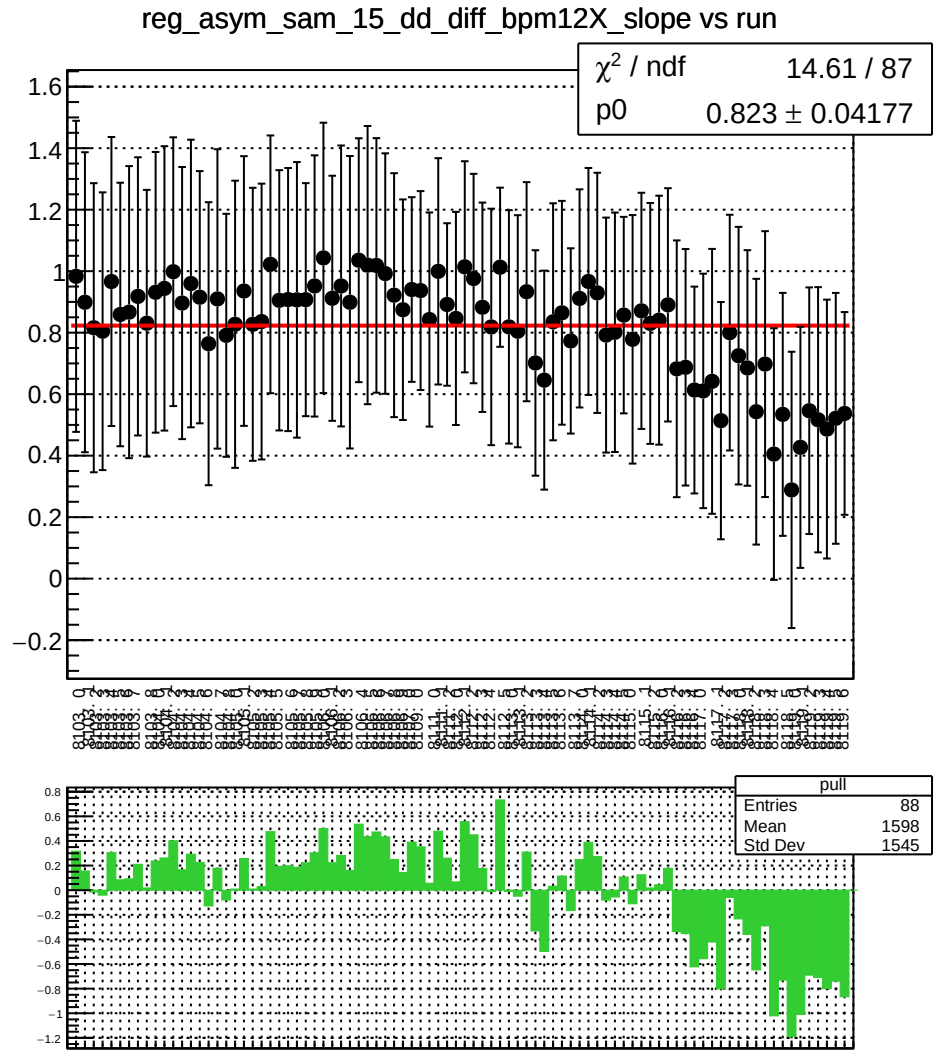

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.3 / 87
p0 −0.381 ± 0.6918
pull
Entries 88
Mean 396.6
Std Dev 337.5

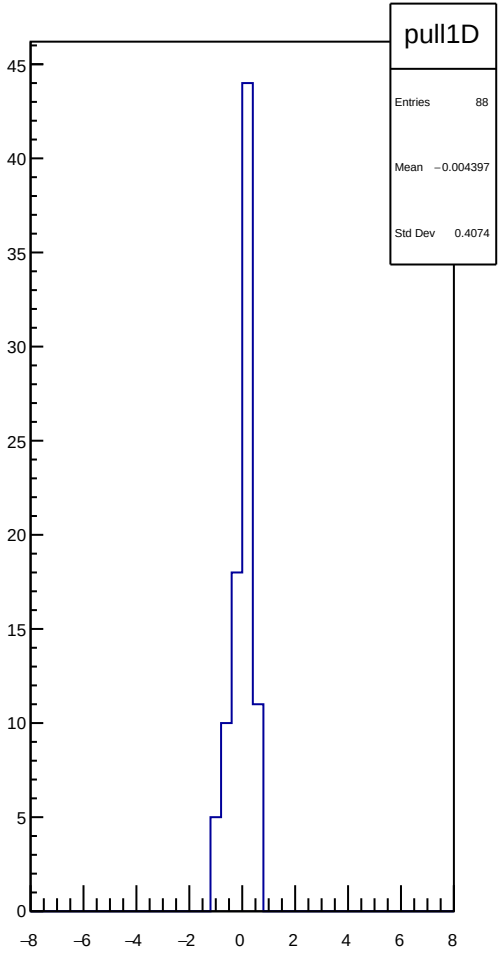

pull1D
Entries 88
Mean 0.005159
Std Dev 0.1936

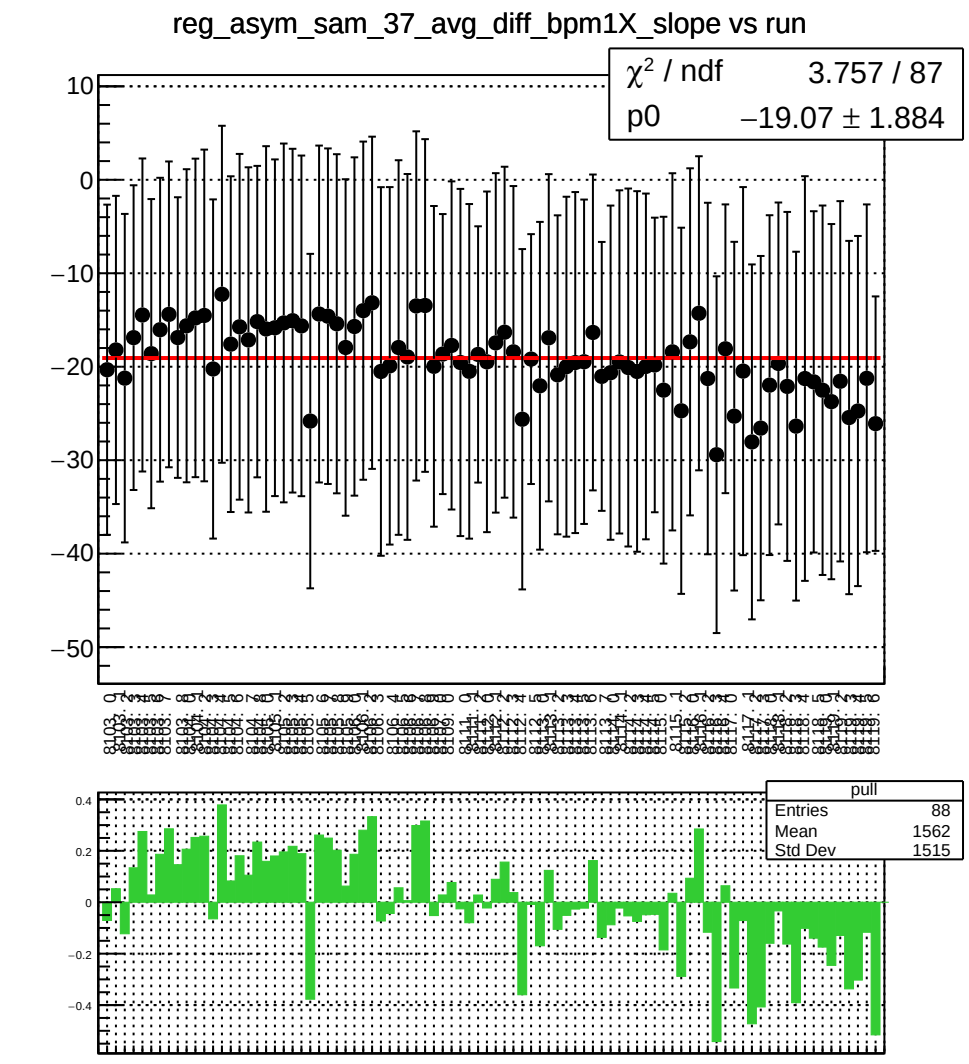

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.78 / 87
p0 −81.05 ± 1.041
pull
Entries 88
Mean 942.3
Std Dev 890.5
pull1D
Entries 88
Mean 0.01595
Std Dev 0.7444

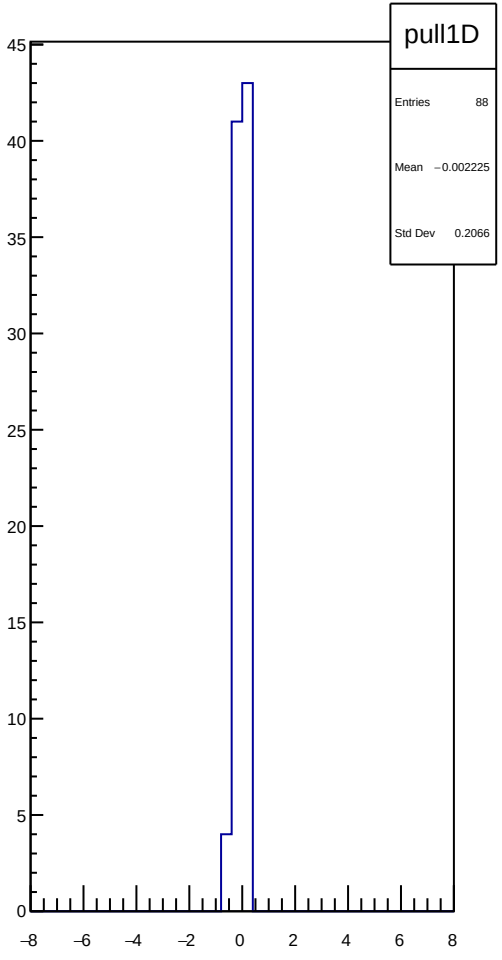

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.699 / 87
p0 −6.793 ± 0.6579
pull
Entries 88
Mean 460.9
Std Dev 403.6
pull1D
Entries 88
Mean −0.005635
Std Dev 0.205

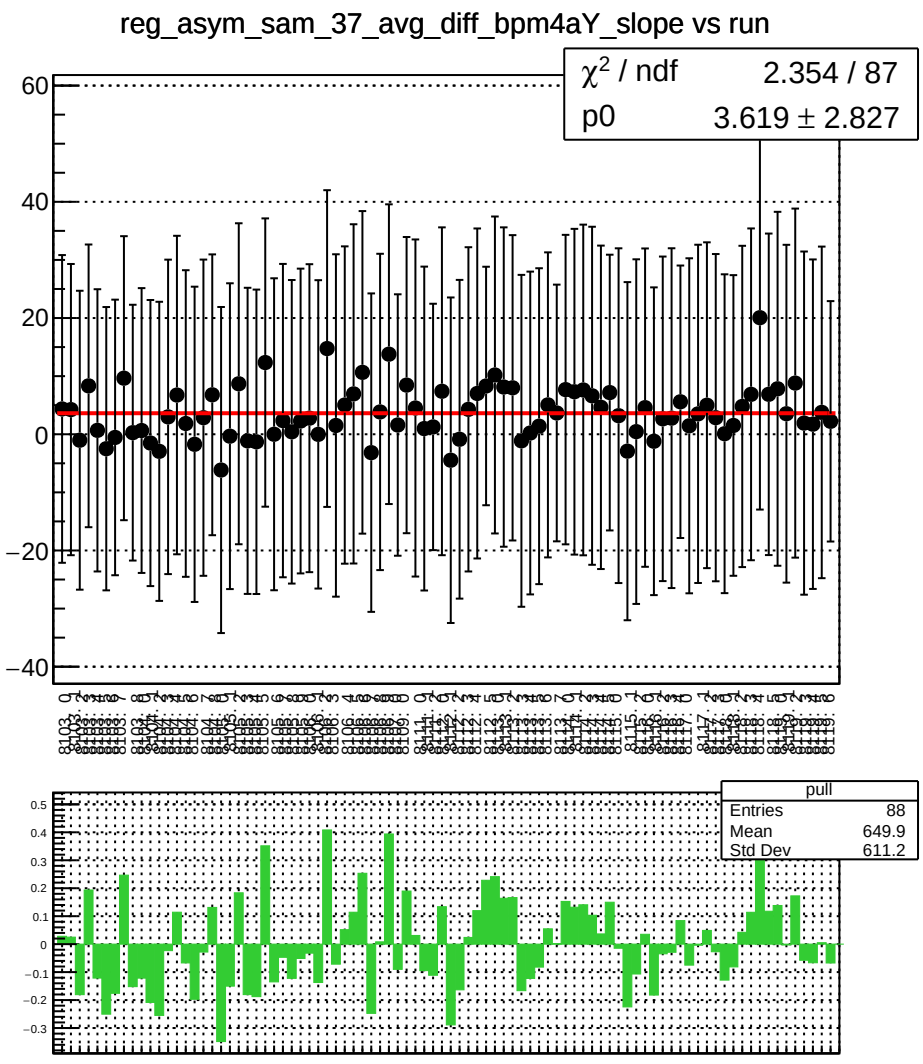

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.27 / 87
p0 −16.37 ± 1.114
pull
Entries 88
Mean 703.6
Std Dev 650.7
pull1D
Entries 88
Mean −0.0211
Std Dev 0.7479

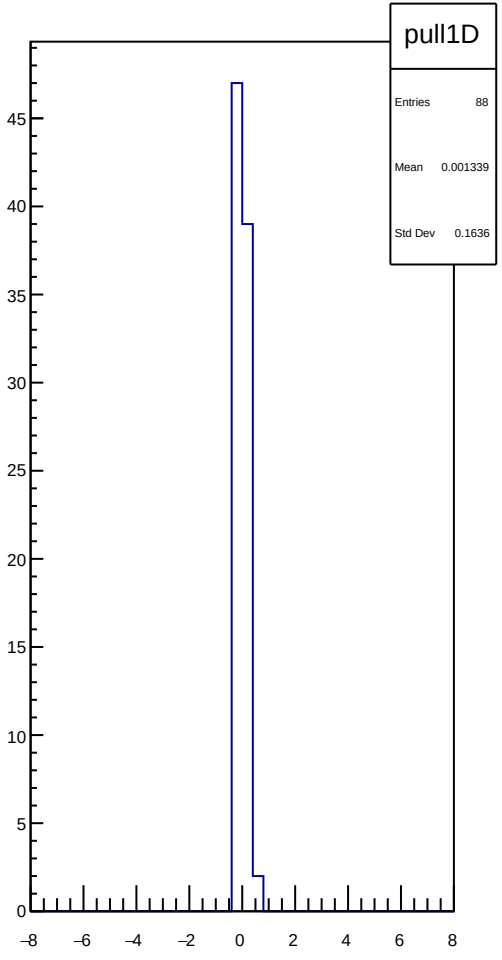

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 14.61 / 87
p0 0.823 ± 0.04177
pull
Entries 88
Mean 1598
Std Dev 1545

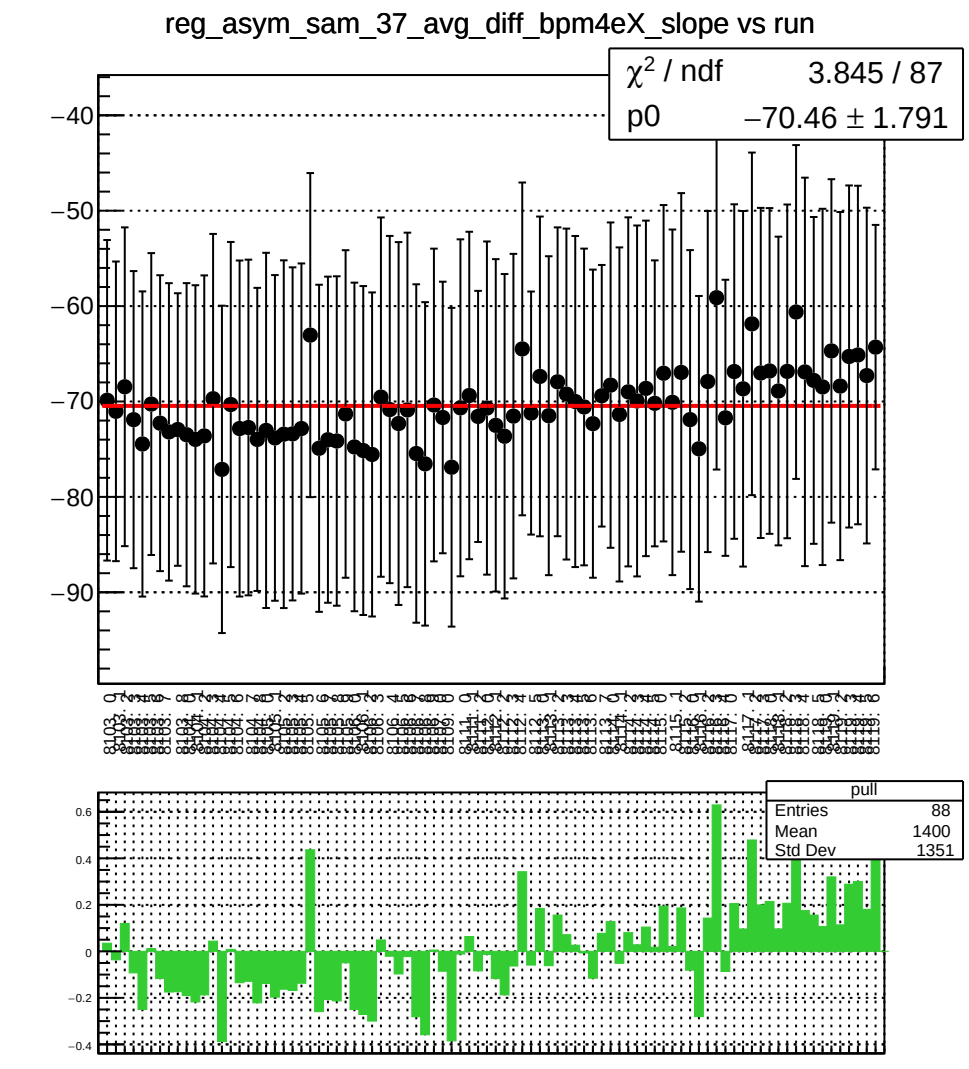

pull1D
Entries 88
Mean −0.004397
Std Dev 0.4074

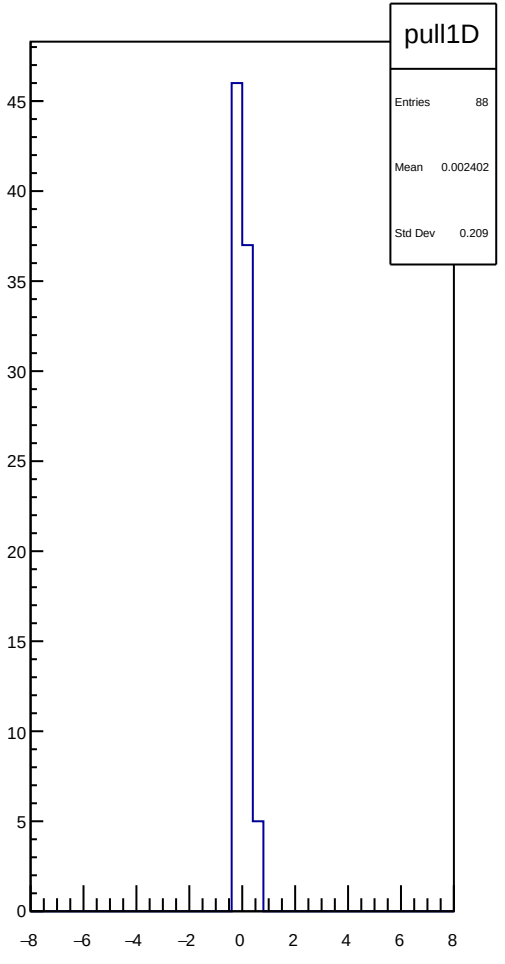

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.757 / 87
p0 −19.07 ± 1.884
pull
Entries 88
Mean 1562
Std Dev 1515

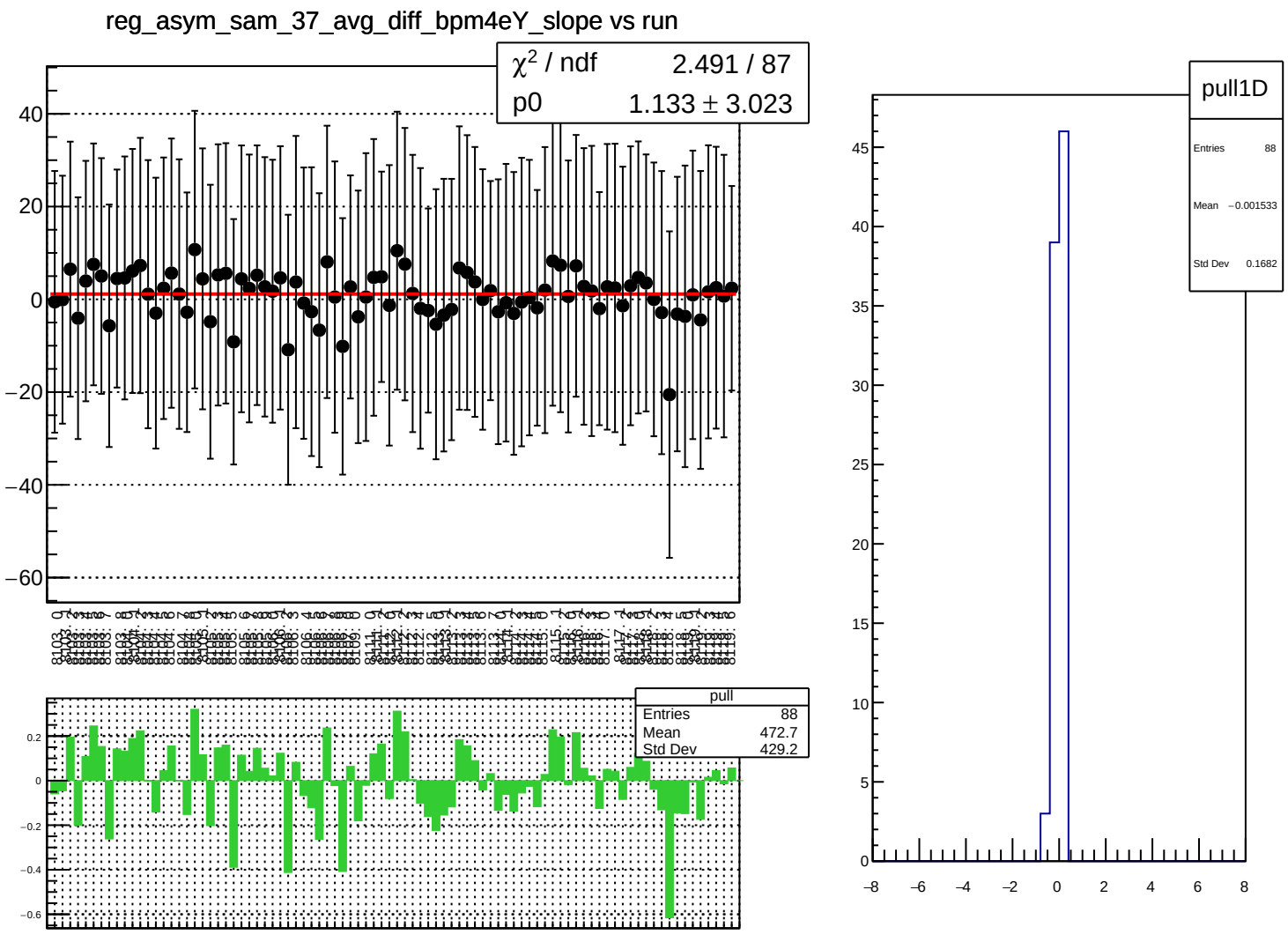

pull1D
Entries 88
Mean −0.002225
Std Dev 0.2066

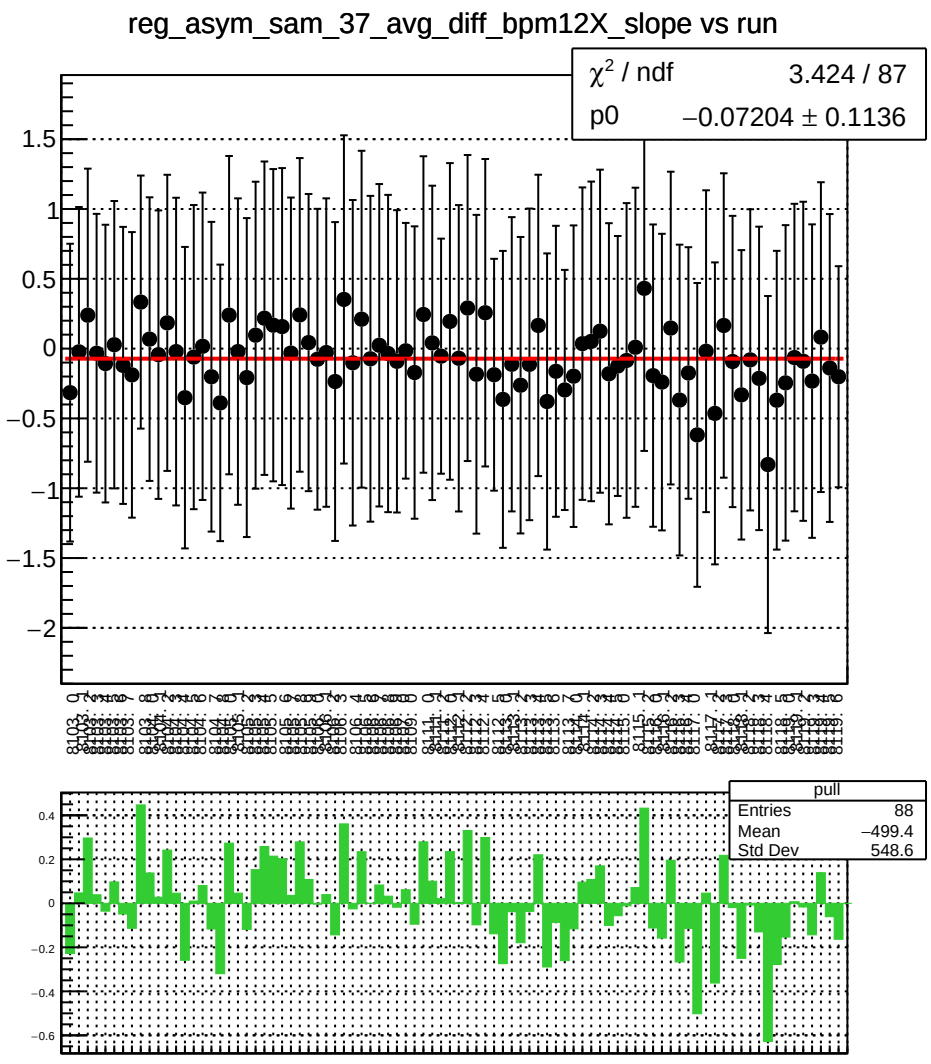

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.354 / 87
p0 3.619 ± 2.827
pull
Entries 88
Mean 649.9
Std Dev 611.2

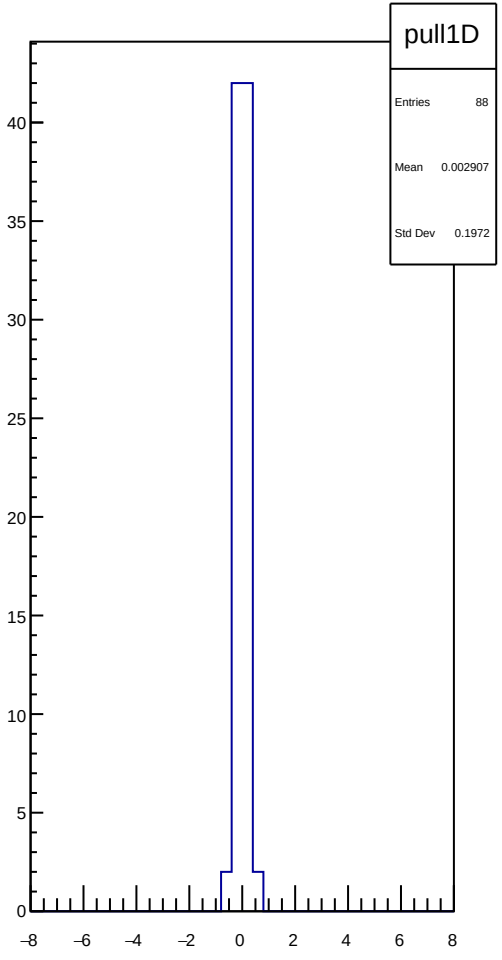

pull1D
Entries 88
Mean 0.001339
Std Dev 0.1636

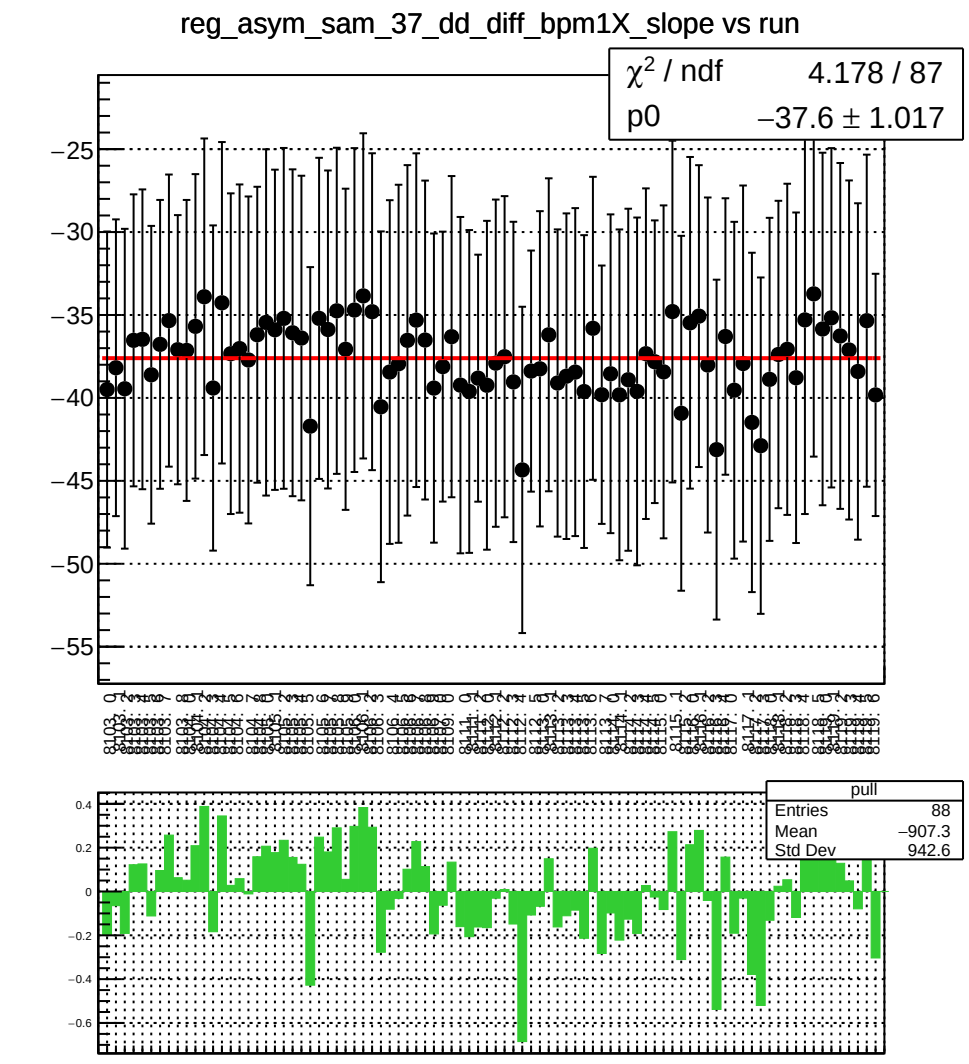

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.845 / 87
p0 −70.46 ± 1.791
pull
Entries 88
Mean 1400
Std Dev 1351

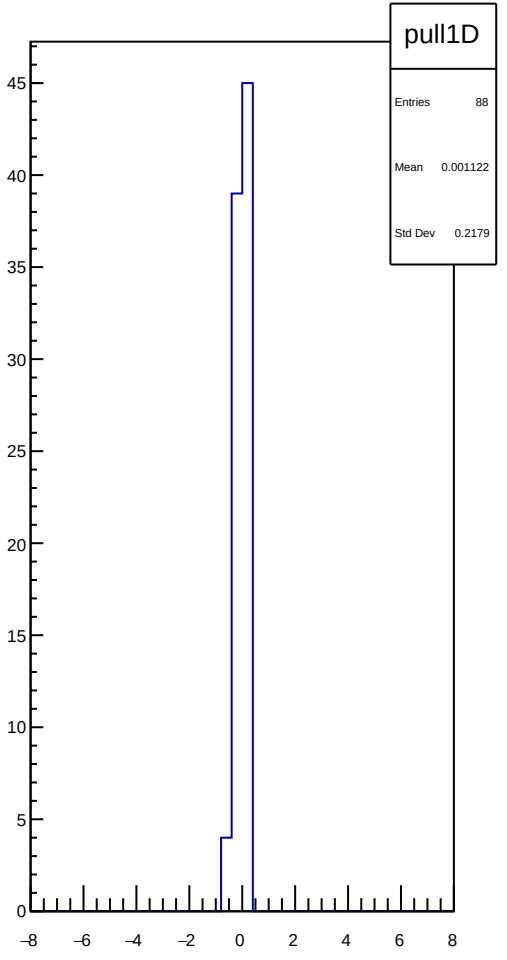

pull1D
Entries 88
Mean 0.002402
Std Dev 0.209

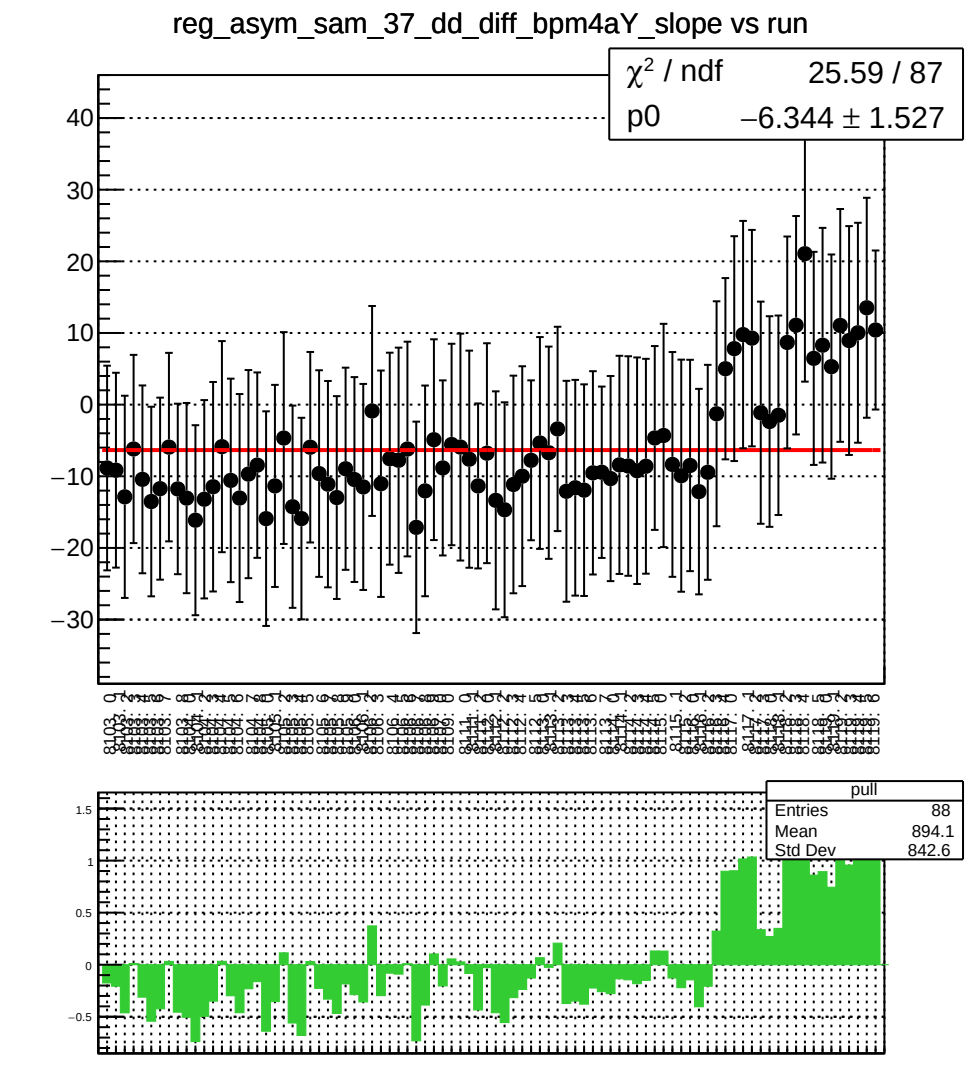

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.491 / 87
p0 1.133 ± 3.023
pull
Entries 88
Mean 472.7
Std Dev 429.2
pull1D
Entries 88
Mean −0.001533
Std Dev 0.1682

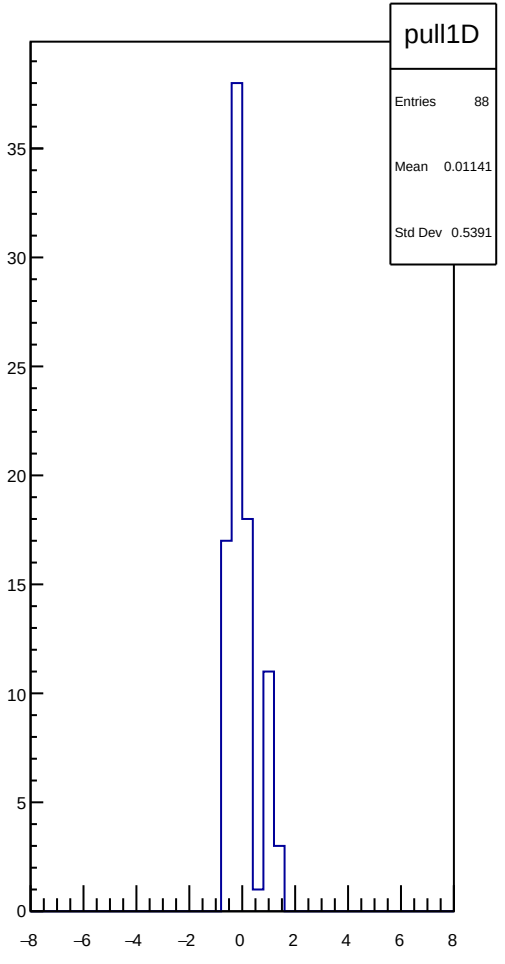

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.424 / 87
p0 −0.07204 ± 0.1136
pull
Entries 88
Mean −499.4
Std Dev 548.6

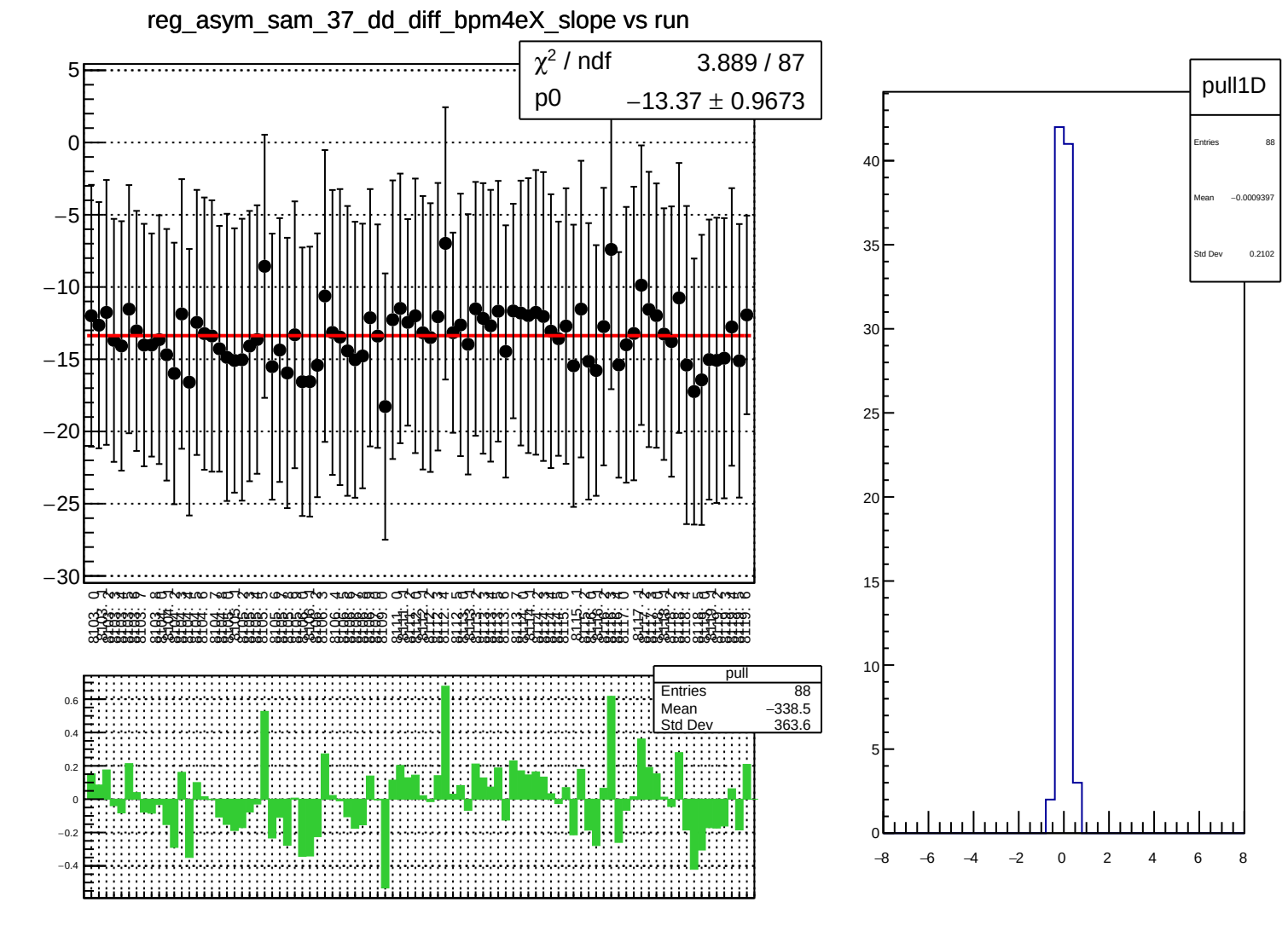

pull1D
Entries 88
Mean 0.002907
Std Dev 0.1972

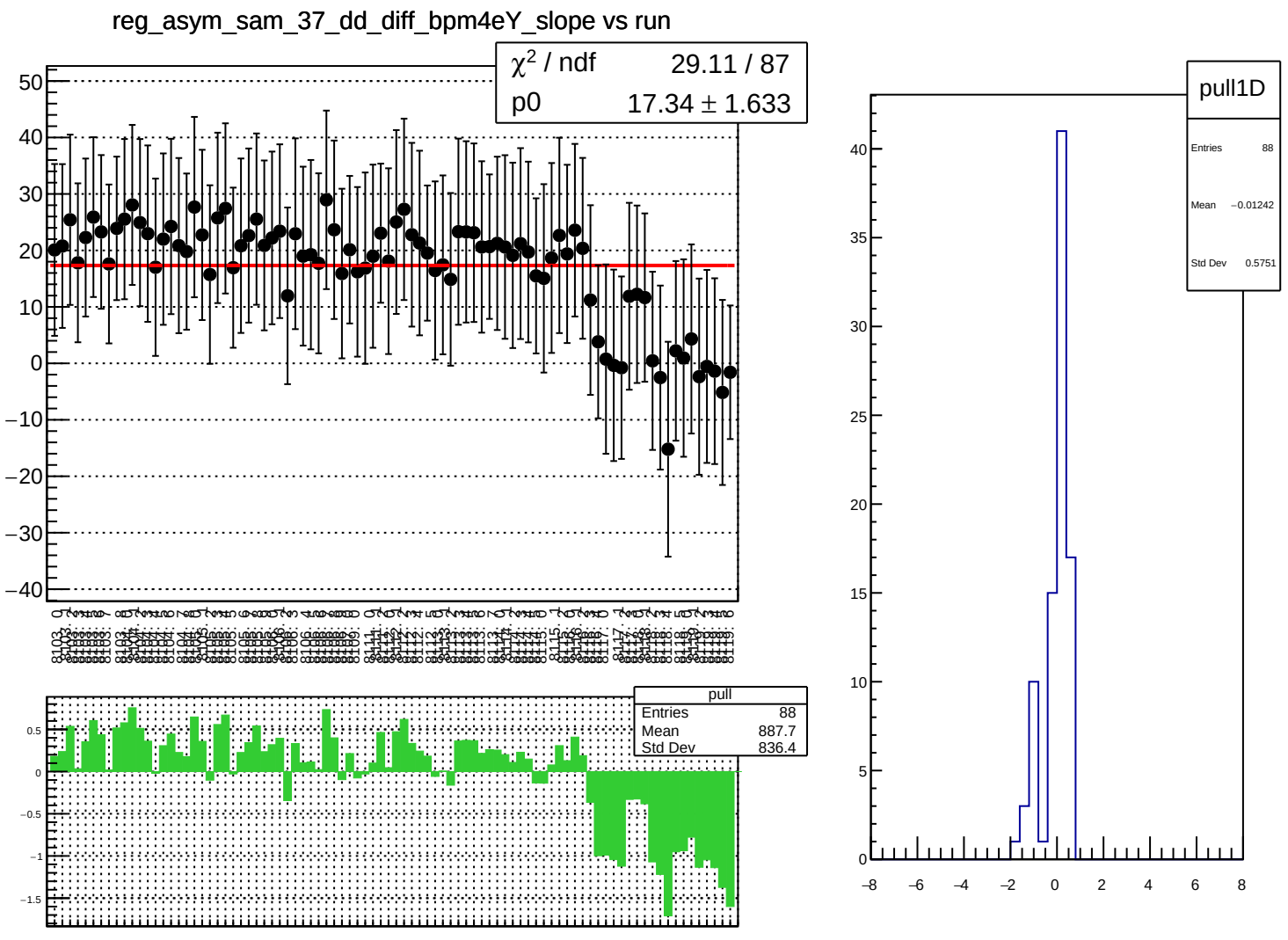

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.178 / 87
p0 −37.6 ± 1.017
pull
Entries 88
Mean −907.3
Std Dev 942.6

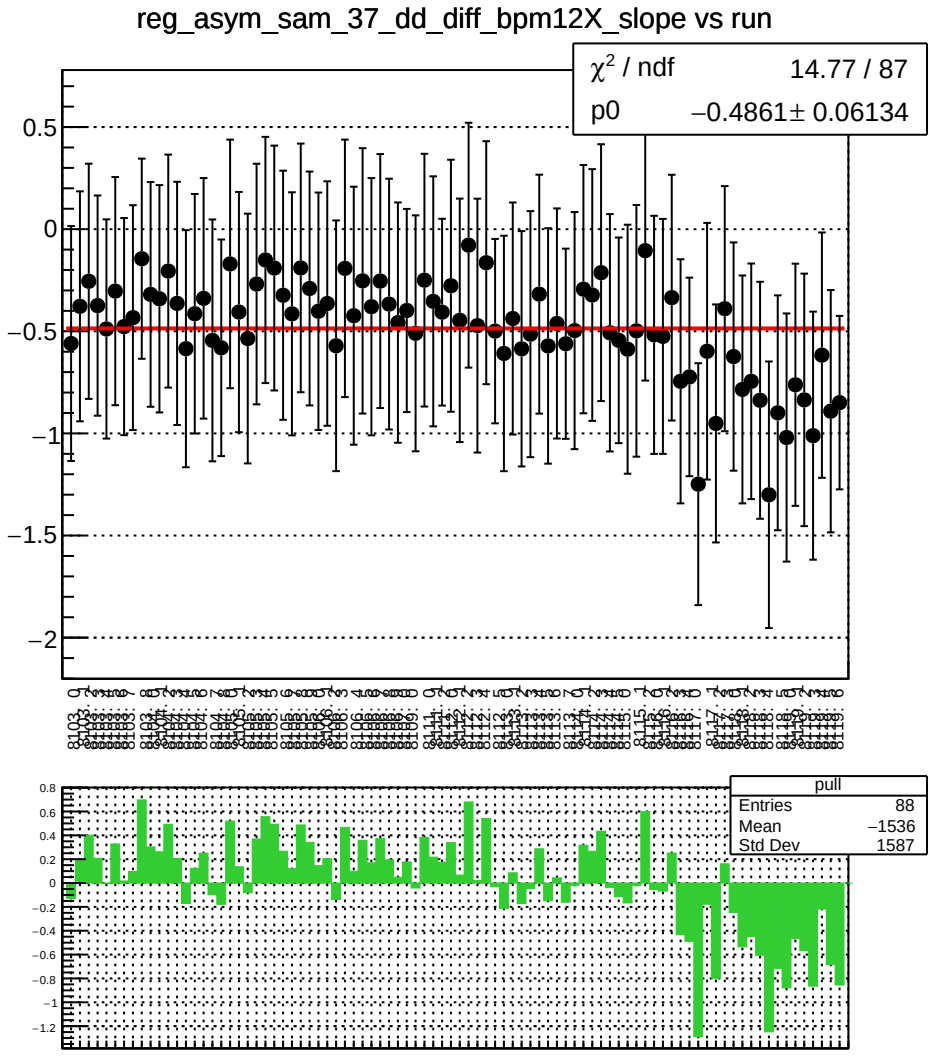

pull1D
Entries 88
Mean 0.001122
Std Dev 0.2179

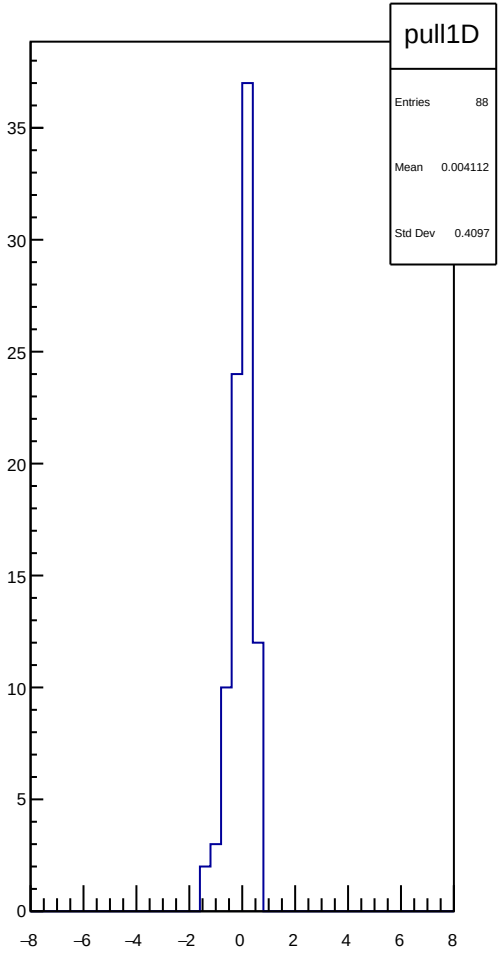

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.59 / 87
p0 −6.344 ± 1.527
pull
Entries 88
Mean 894.1
Std Dev 842.6

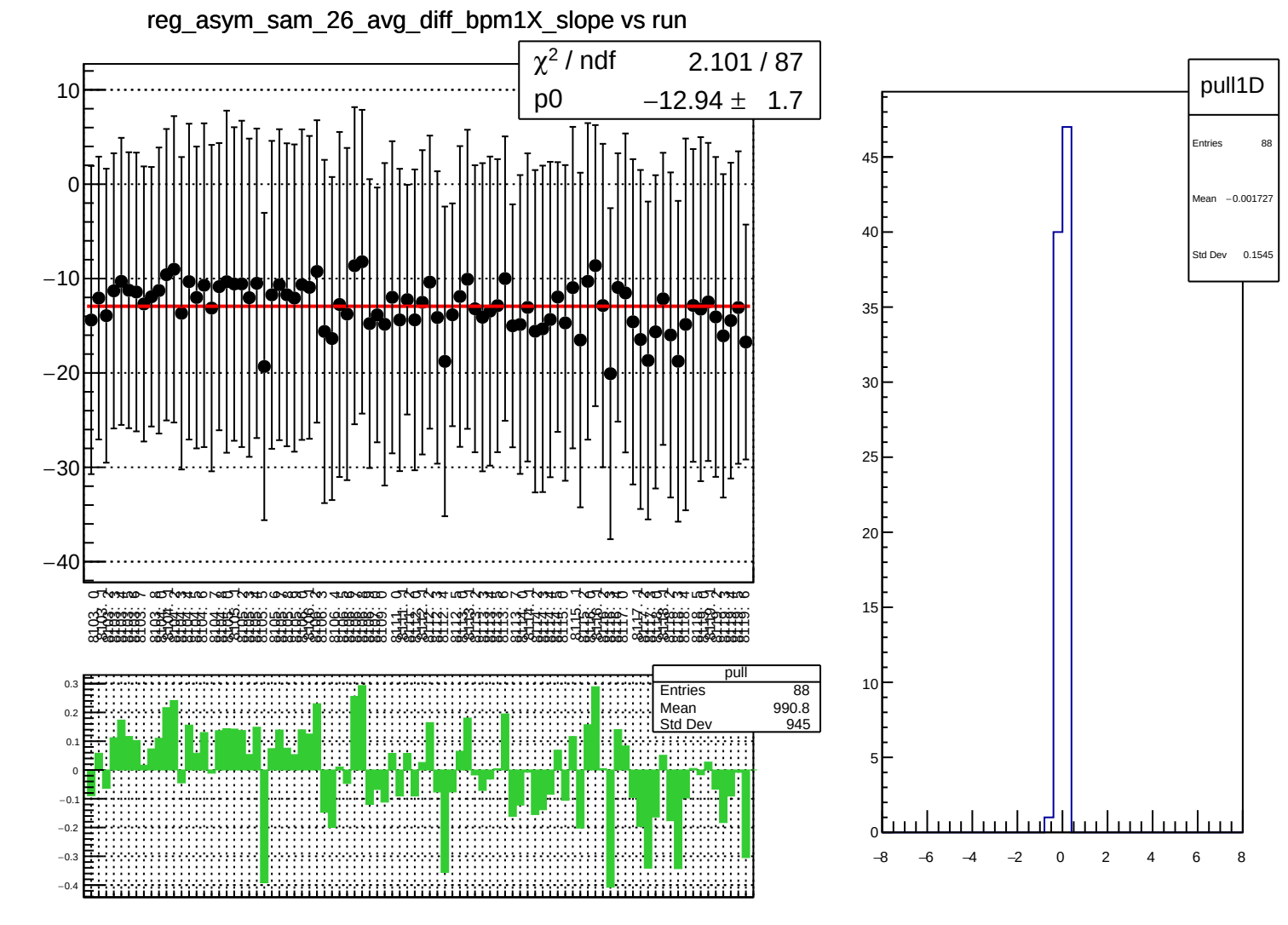

pull1D
Entries 88
Mean 0.01141
Std Dev 0.5391

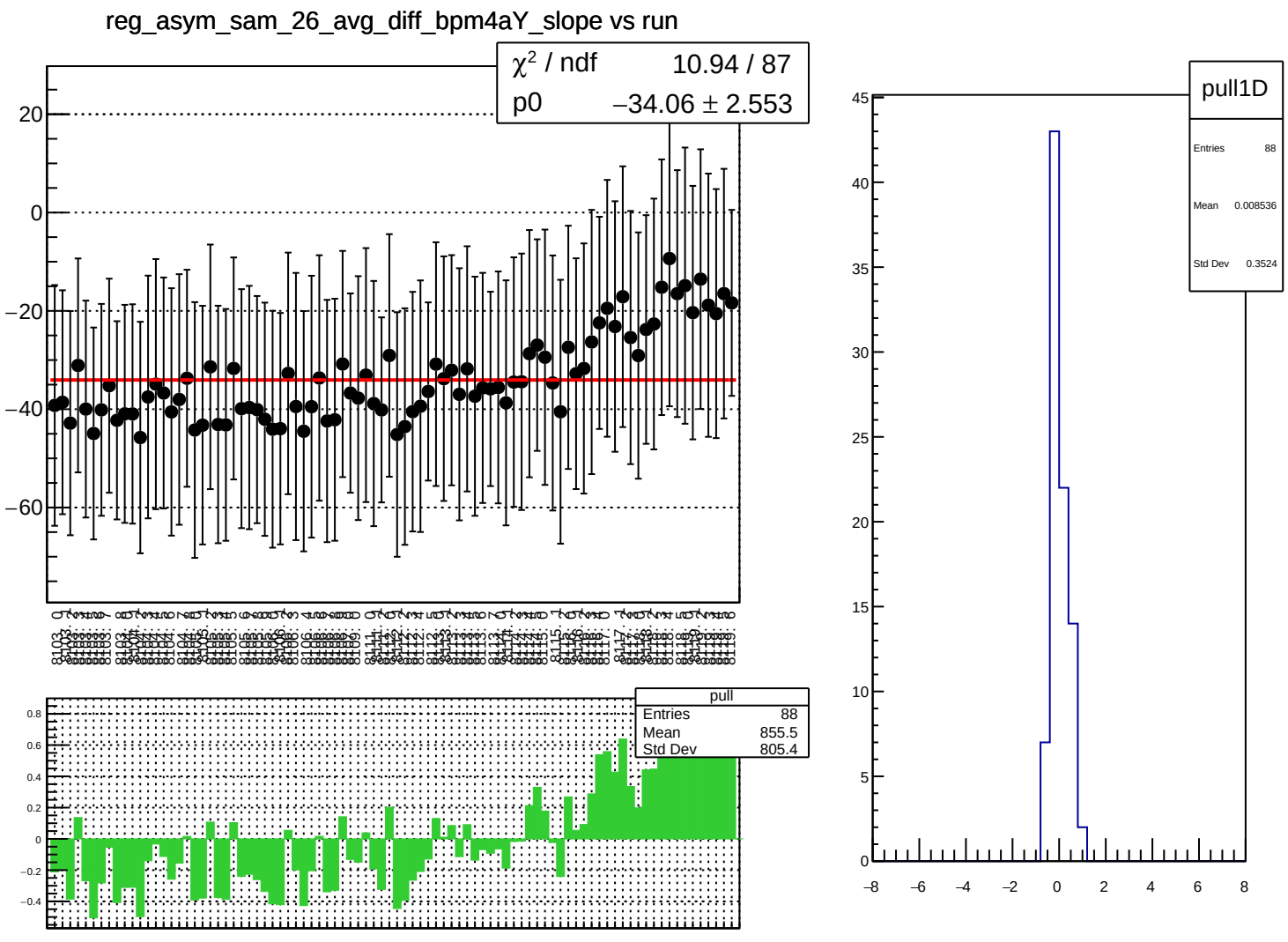

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.889 / 87
p0 −13.37 ± 0.9673
pull
Entries 88
Mean −338.5
Std Dev 363.6
pull1D
Entries 88
Mean −0.0009397
Std Dev 0.2102

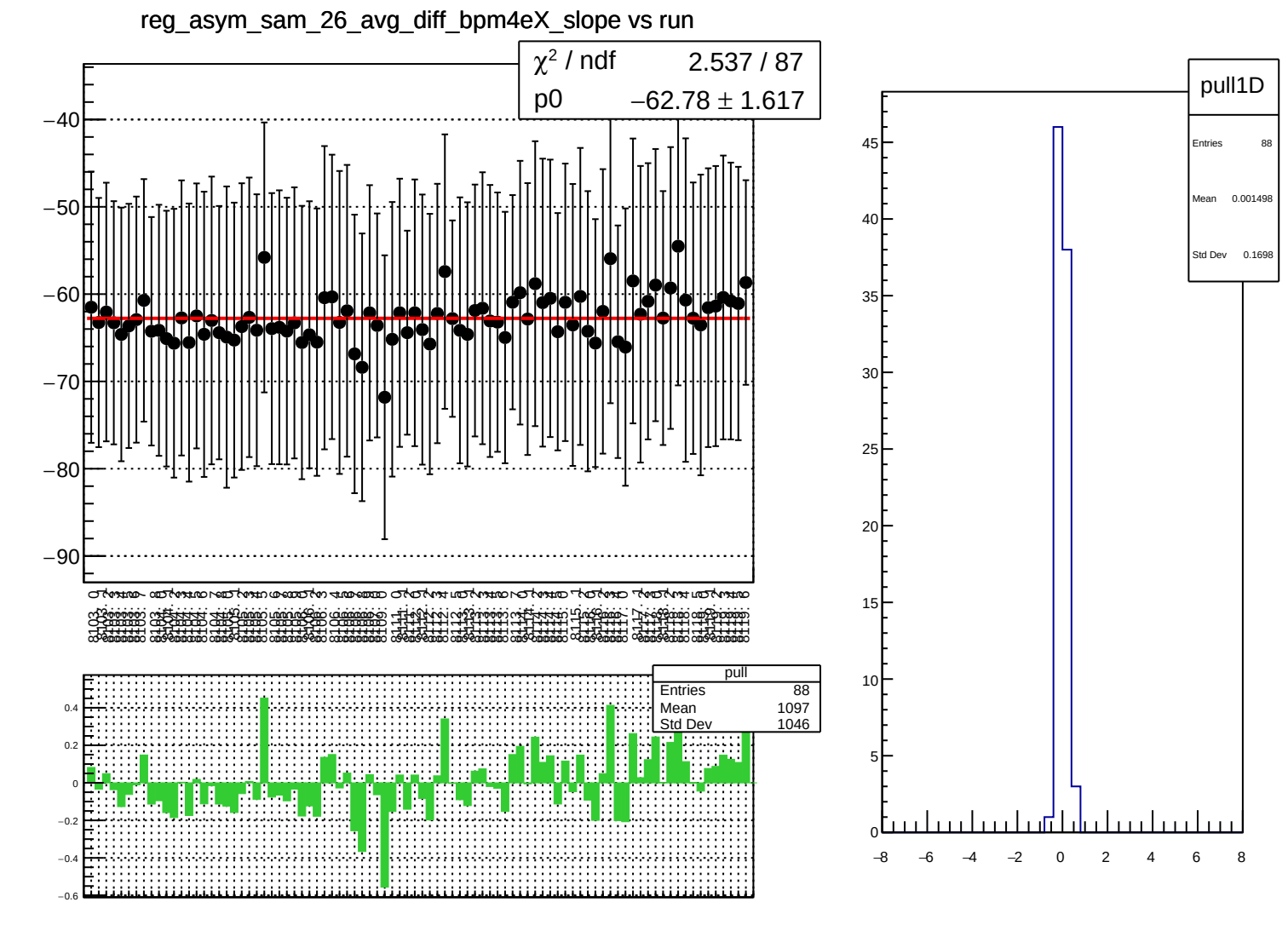

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.11 / 87
p0 17.34 ± 1.633
pull
Entries 88
Mean 887.7
Std Dev 836.4
pull1D
Entries 88
Mean −0.01242
Std Dev 0.5751

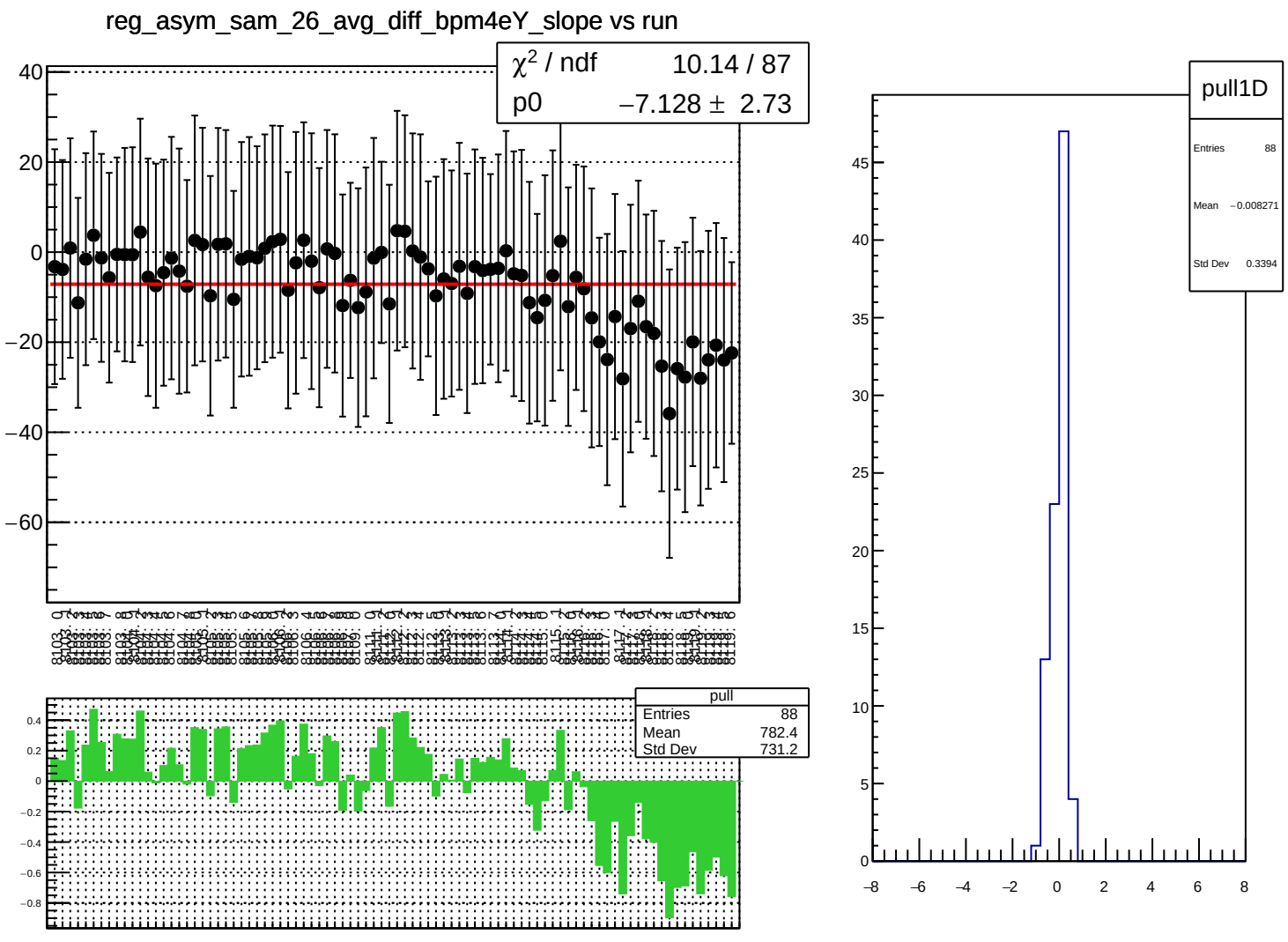

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 14.77 / 87
p0 −0.4861± 0.06134
pull
Entries 88
Mean −1536
Std Dev 1587

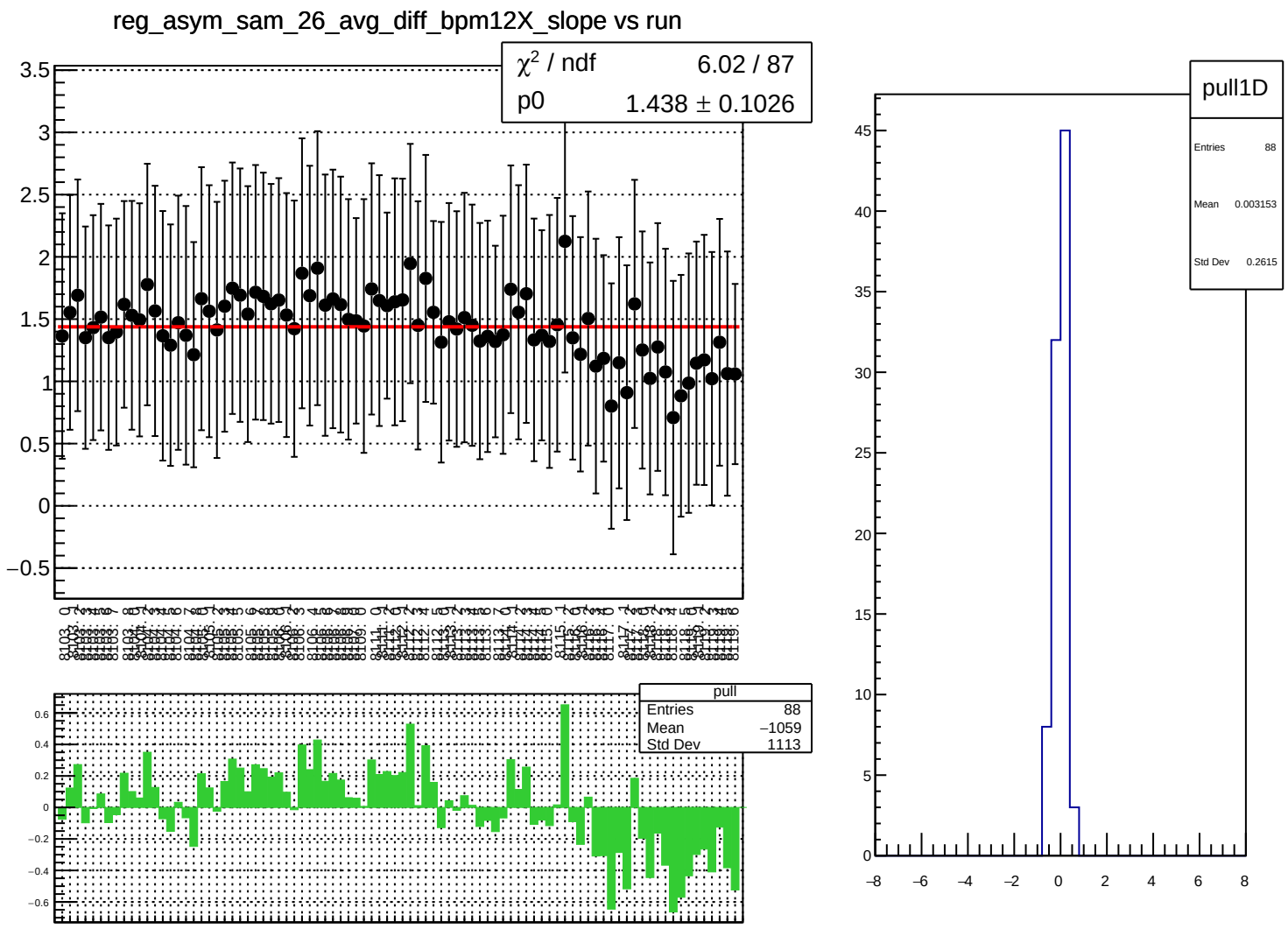

pull1D
Entries 88
Mean 0.004112
Std Dev 0.4097

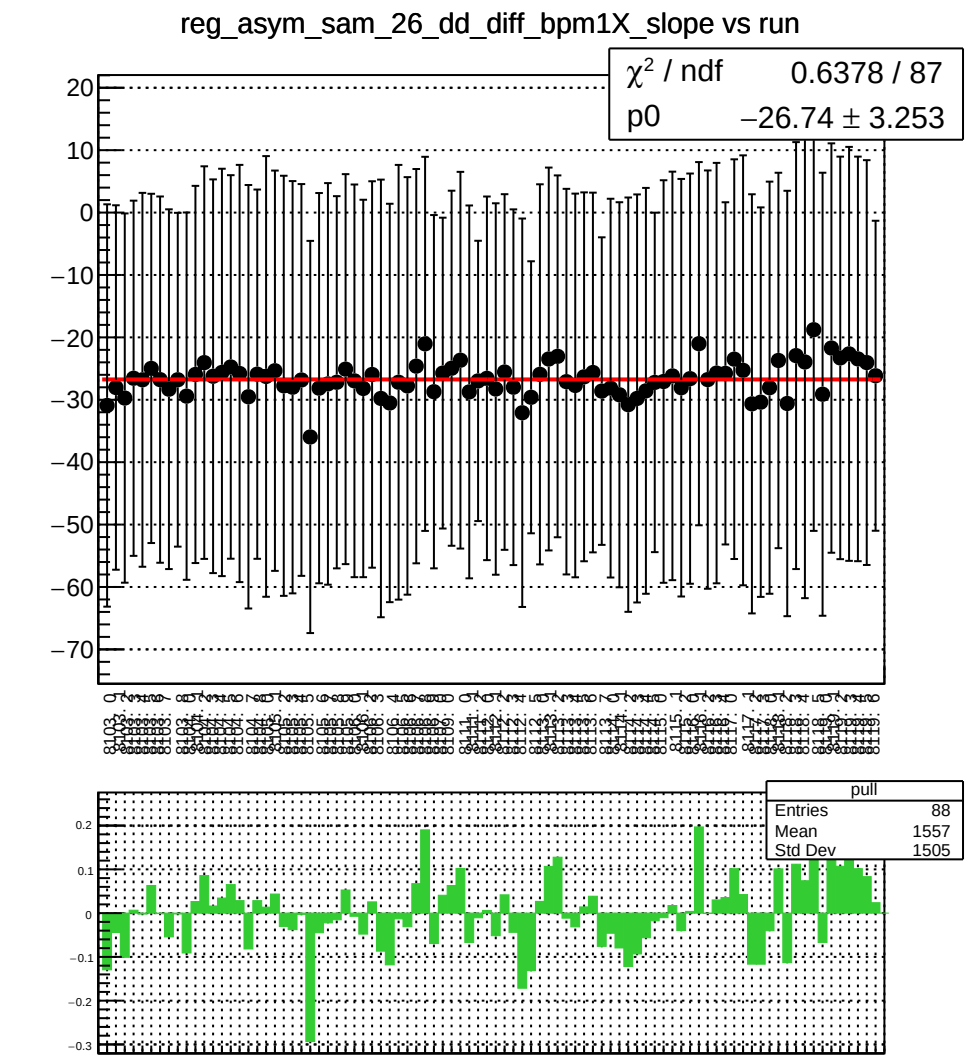

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.101 / 87
p0 −12.94 ± 1.7
pull
Entries 88
Mean 990.8
Std Dev 945
pull1D
Entries 88
Mean −0.001727
Std Dev 0.1545

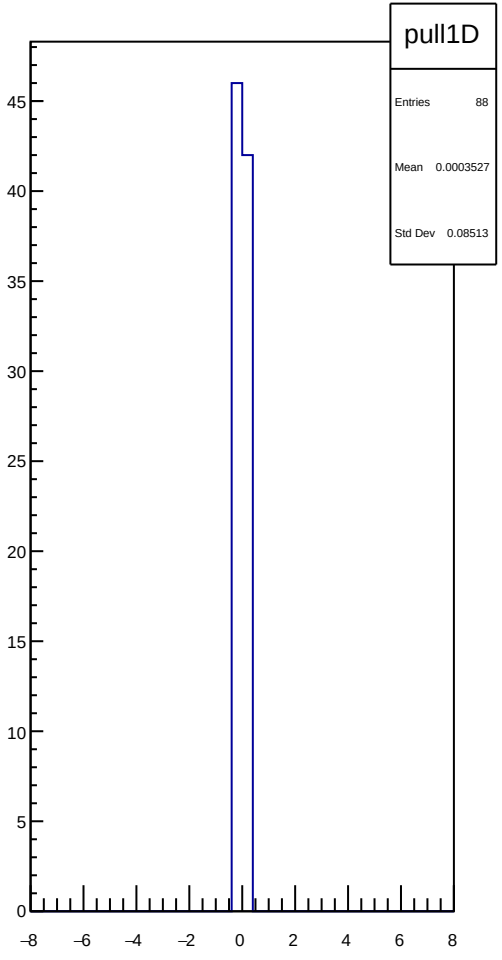

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.94 / 87
p0 −34.06 ± 2.553
pull
Entries 88
Mean 855.5
Std Dev 805.4
pull1D
Entries 88
Mean 0.008536
Std Dev 0.3524

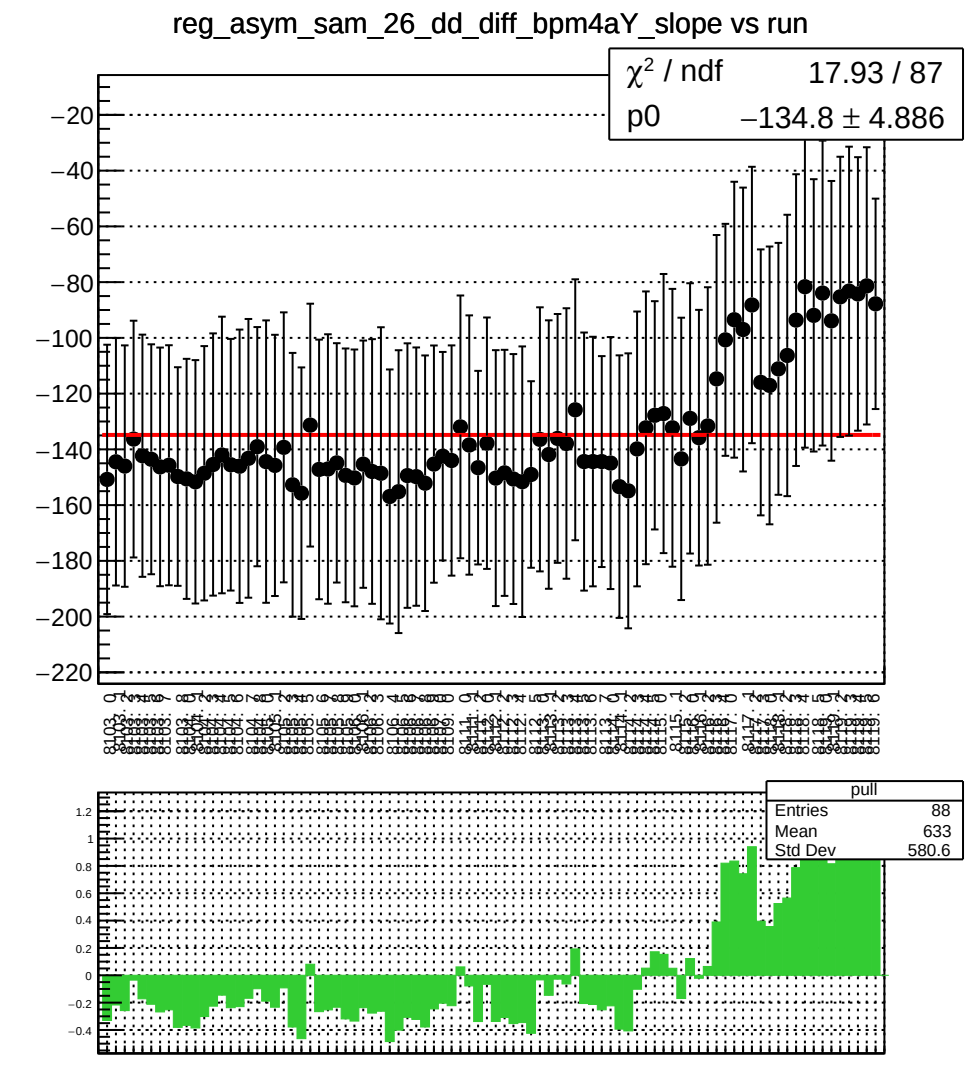

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.537 / 87
p0 −62.78 ± 1.617
pull
Entries 88
Mean 1097
Std Dev 1046
pull1D
Entries 88
Mean 0.001498
Std Dev 0.1698

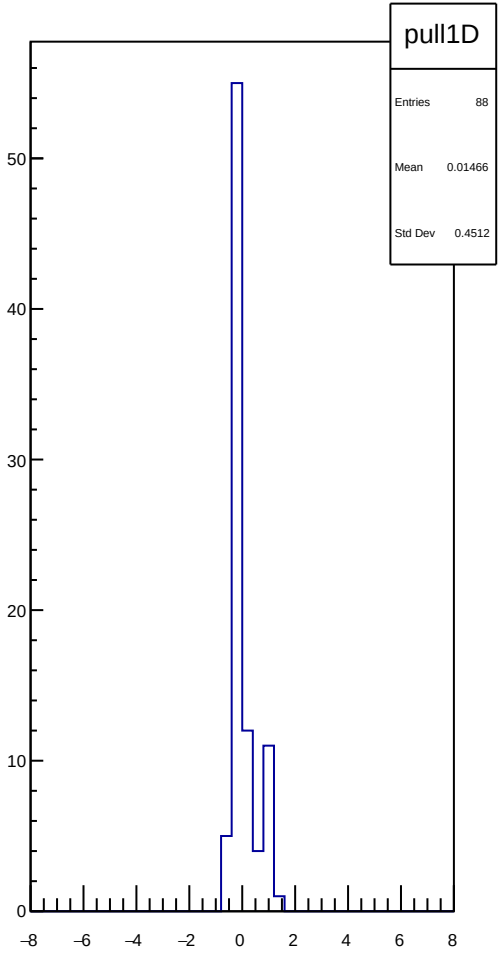

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.14 / 87
p0 −7.128 ± 2.73
pull
Entries 88
Mean 782.4
Std Dev 731.2
pull1D
Entries 88
Mean −0.008271
Std Dev 0.3394

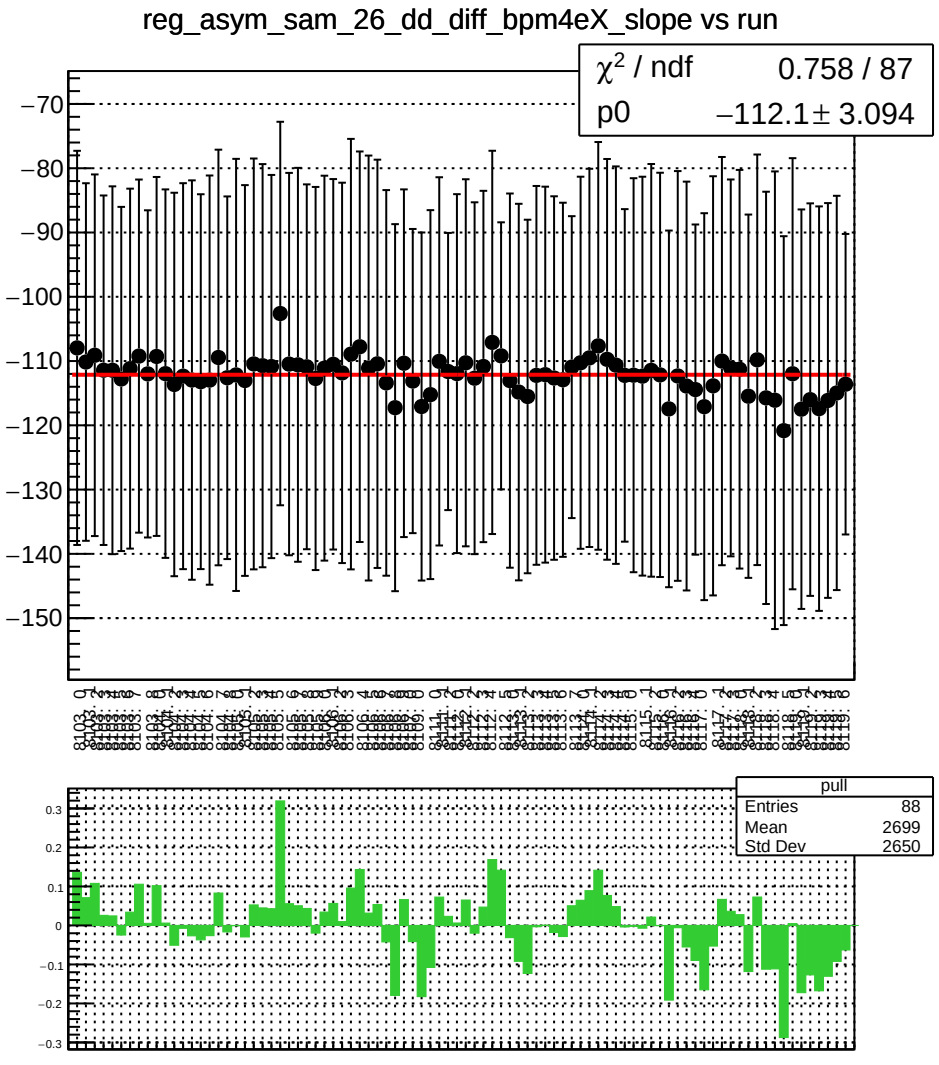

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.02 / 87
p0 1.438 ± 0.1026
pull
Entries 88
Mean −1059
Std Dev 1113
pull1D
Entries 88
Mean 0.003153
Std Dev 0.2615

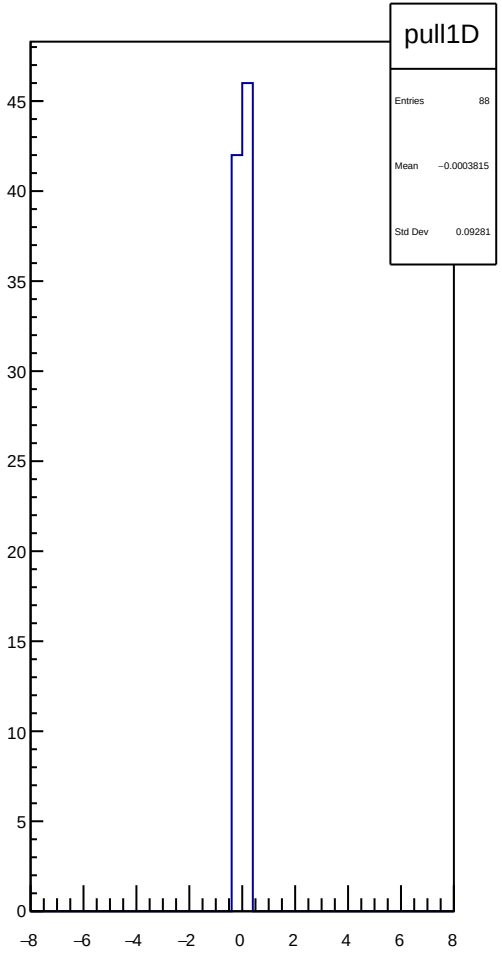

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.6378 / 87
p0 −26.74 ± 3.253
pull
Entries 88
Mean 1557
Std Dev 1505

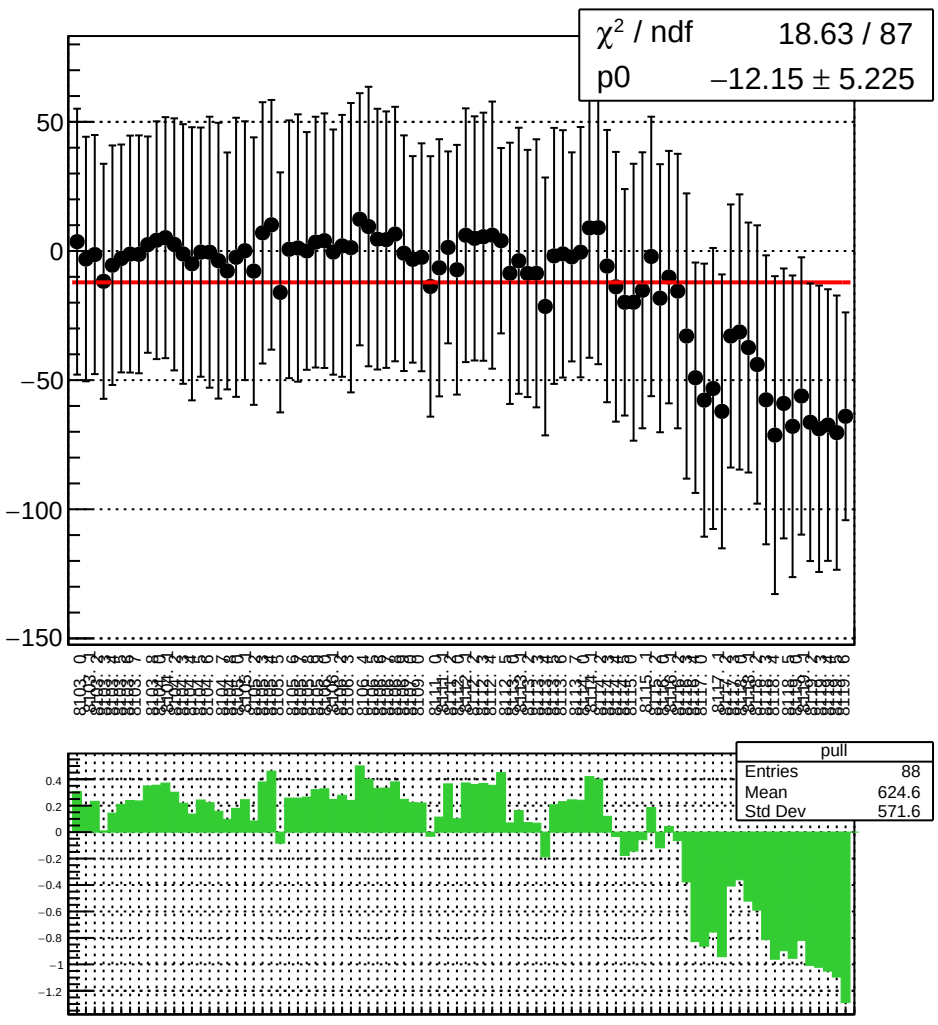

pull1D
Entries 88
Mean 0.0003527
Std Dev 0.08513

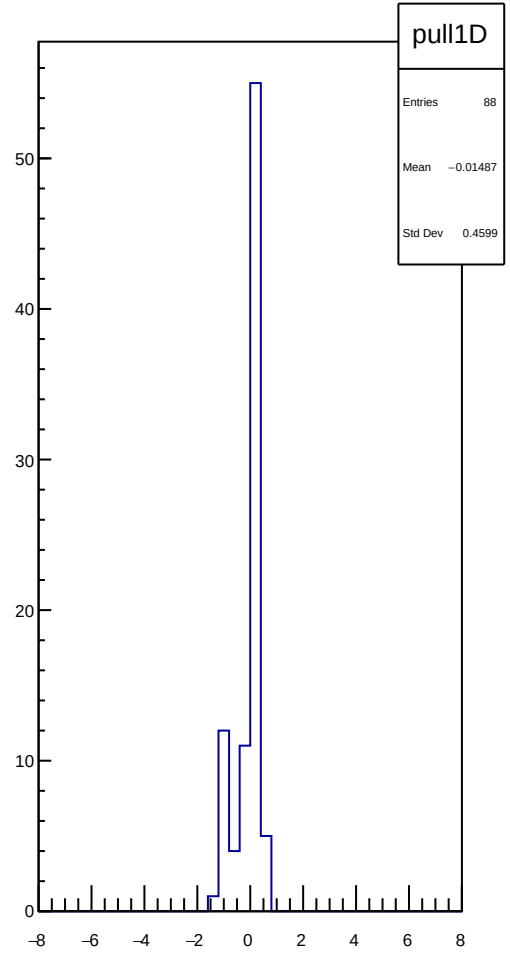

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.93 / 87
p0 −134.8 ± 4.886
pull
Entries 88
Mean 633
Std Dev 580.6

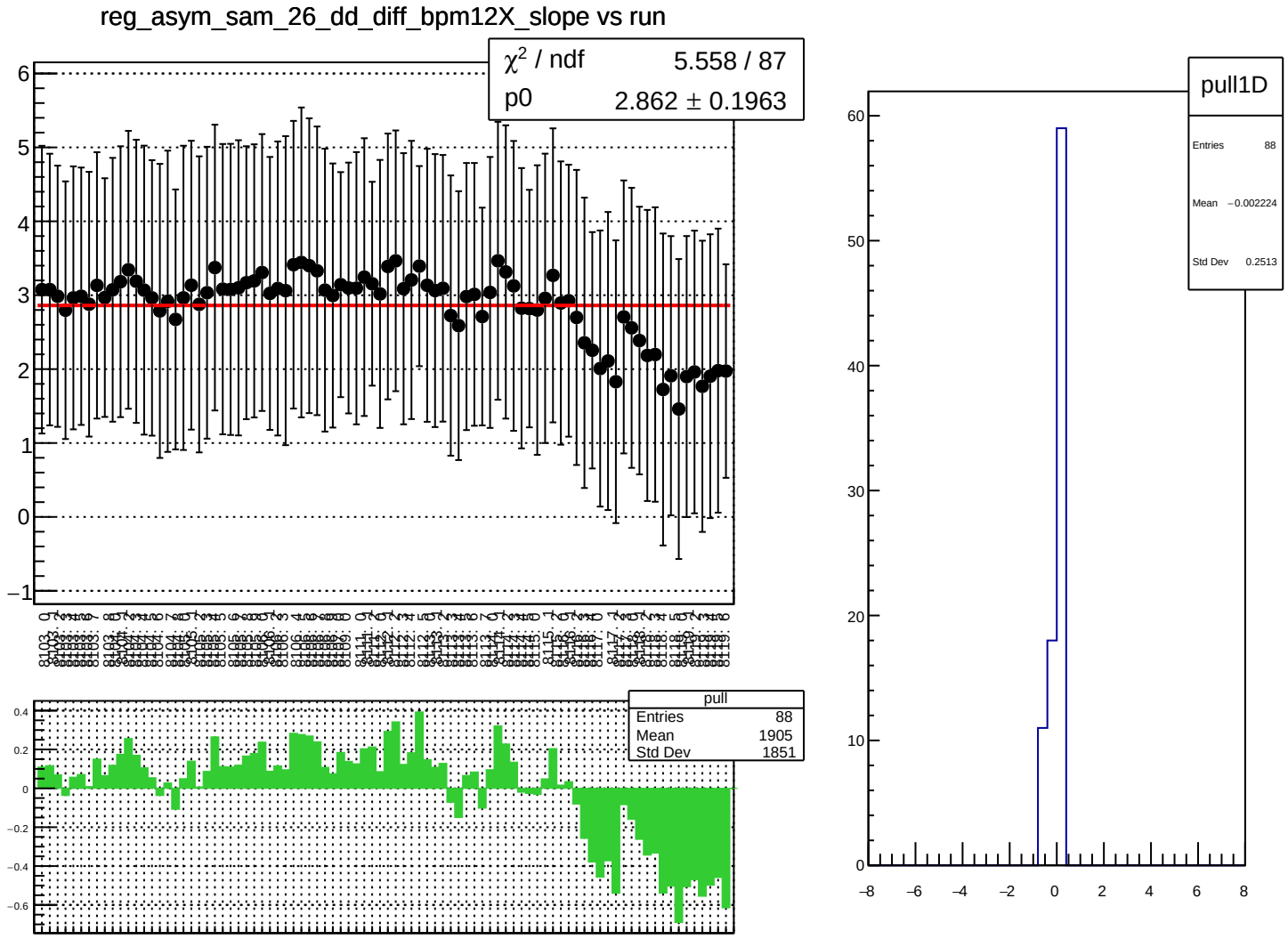

pull1D
Entries 88
Mean 0.01466
Std Dev 0.4512

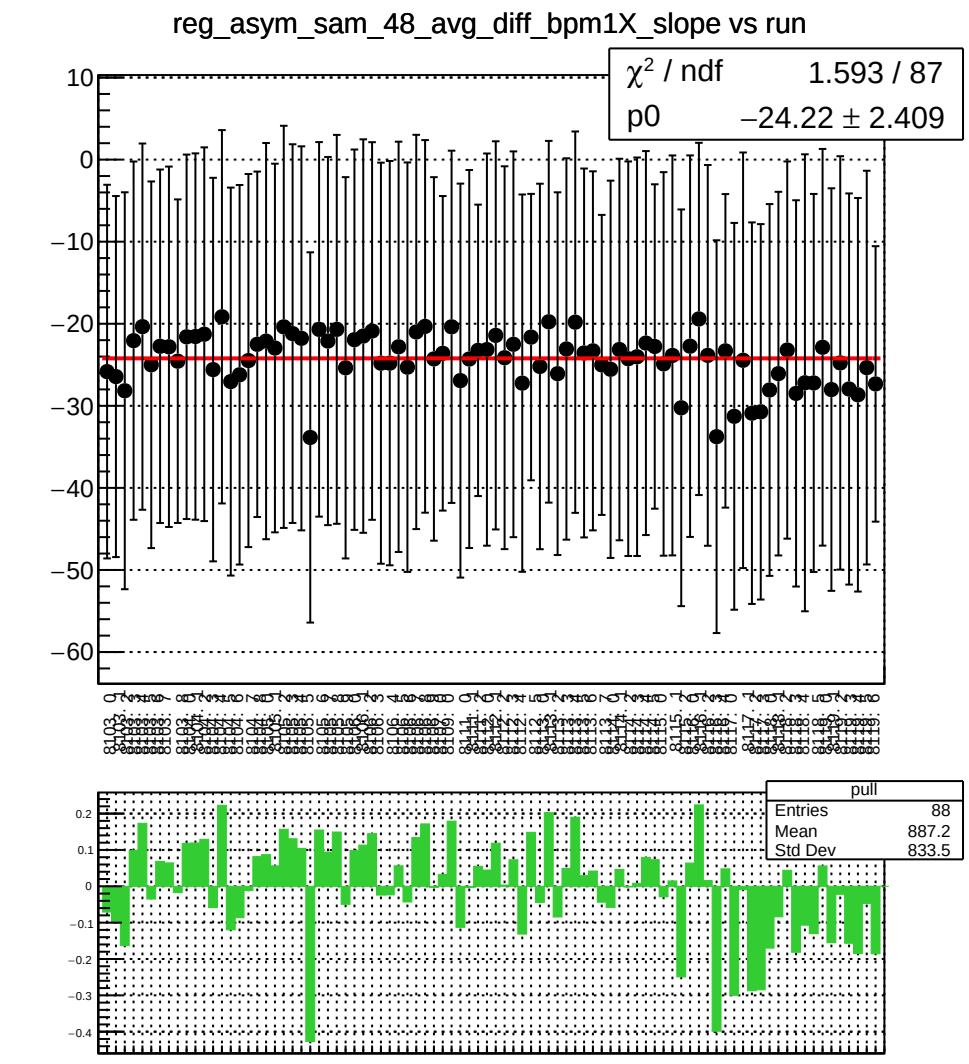

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.758 / 87
p0 −112.1± 3.094
pull
Entries 88
Mean 2699
Std Dev 2650

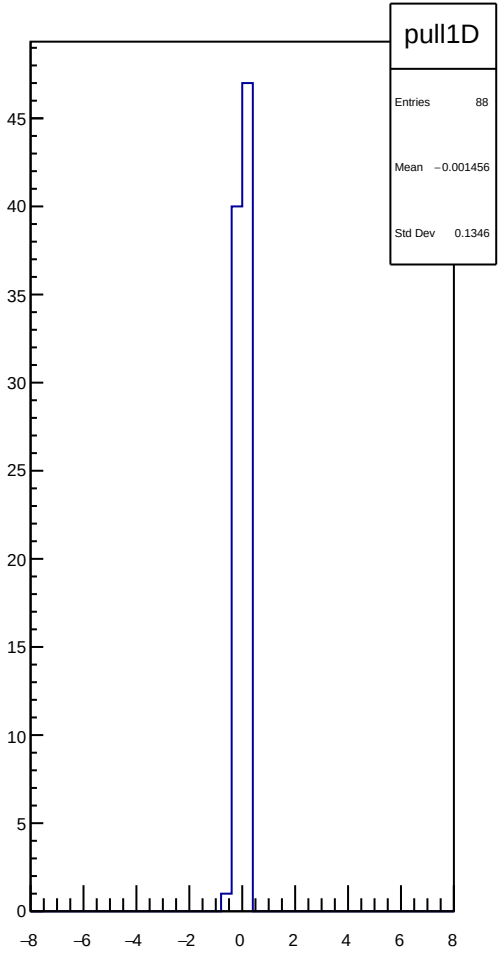

pull1D
Entries 88
Mean −0.0003815
Std Dev 0.09281

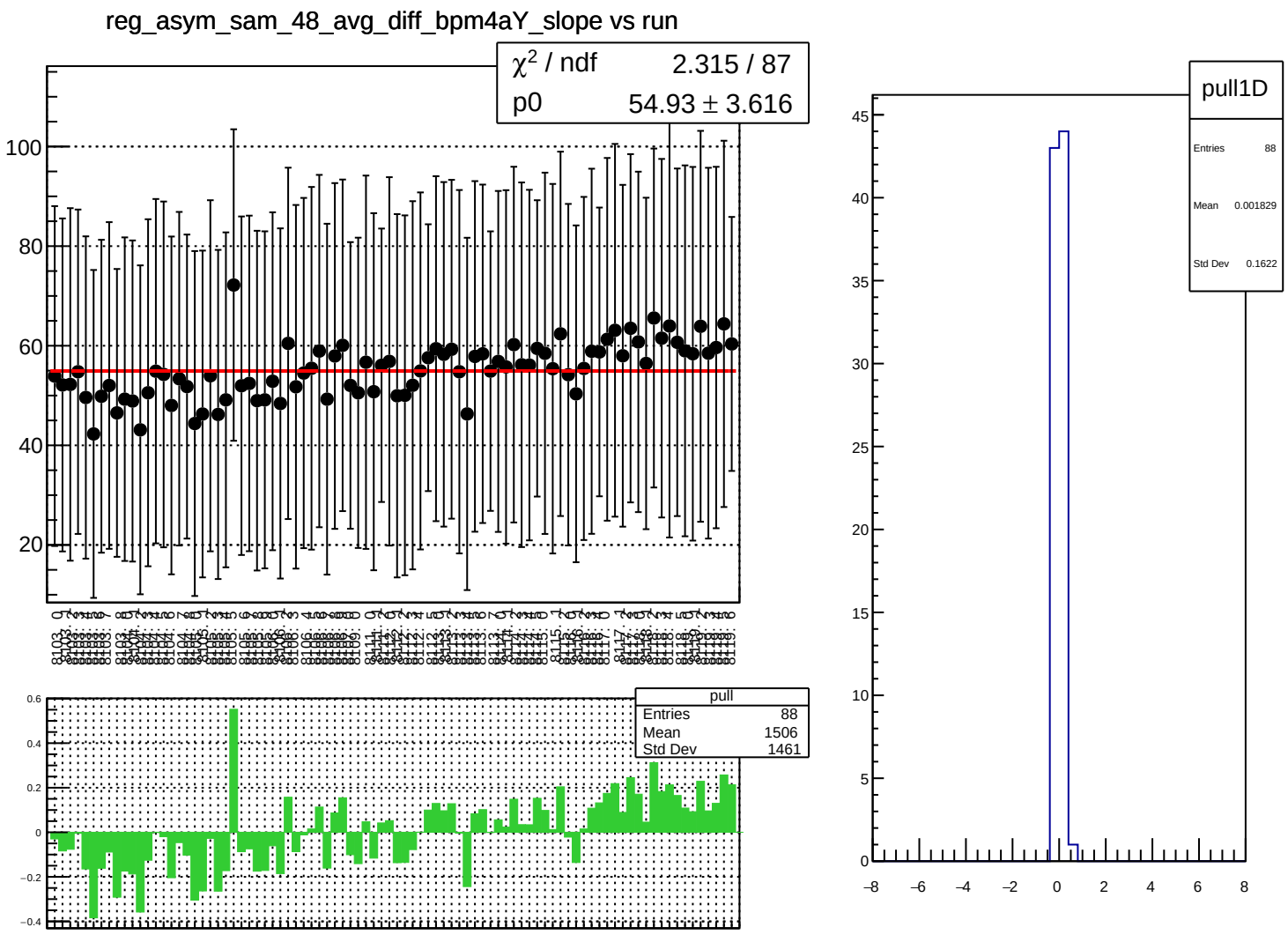

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.63 / 87
p0 −12.15 ± 5.225
50
0
−50
−100
−150
pull
Entries 88
Mean 624.6
Std Dev 571.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

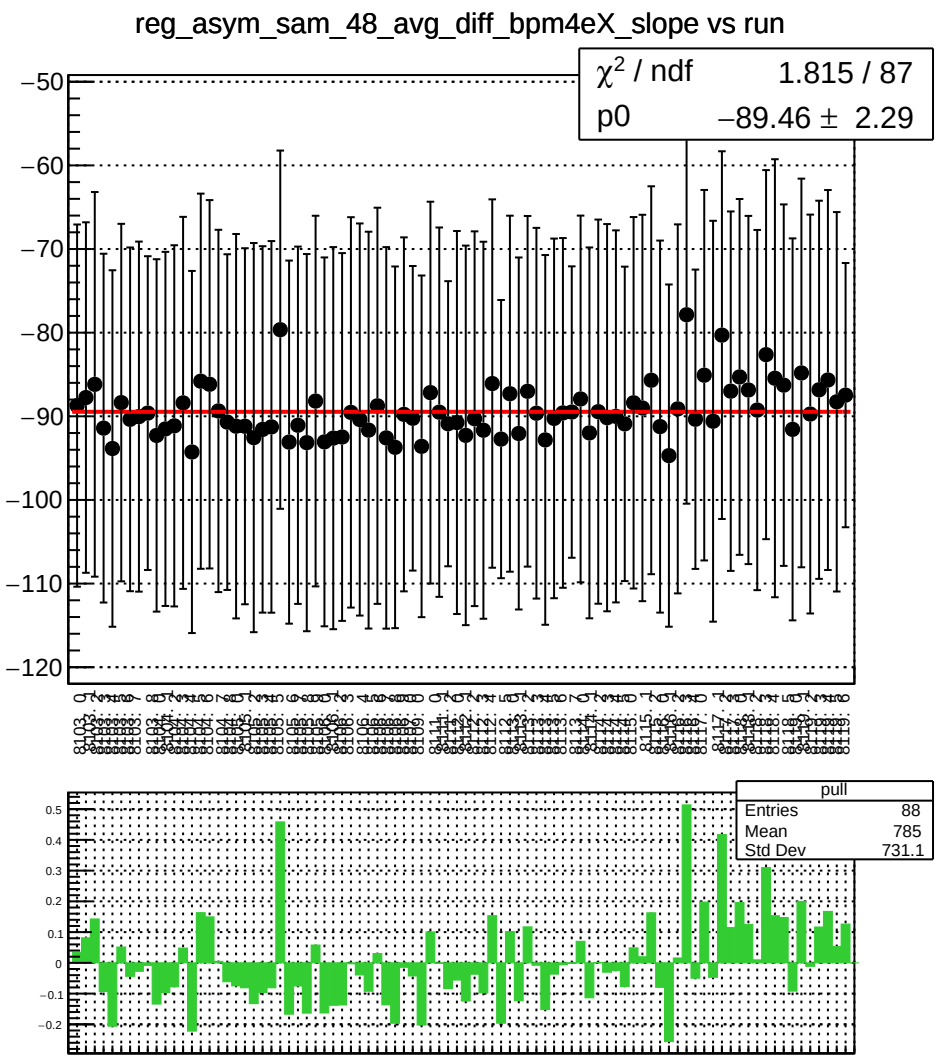

pull1D
Entries 88
Mean −0.01487
Std Dev 0.4599
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

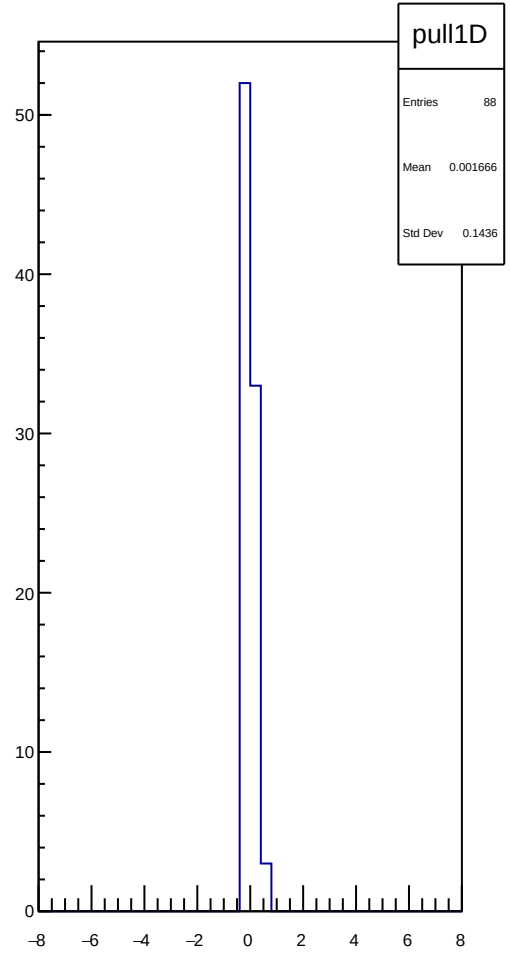

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.558 / 87
p0 2.862 ± 0.1963
pull
Entries 88
Mean 1905
Std Dev 1851
pull1D
Entries 88
Mean −0.002224
Std Dev 0.2513

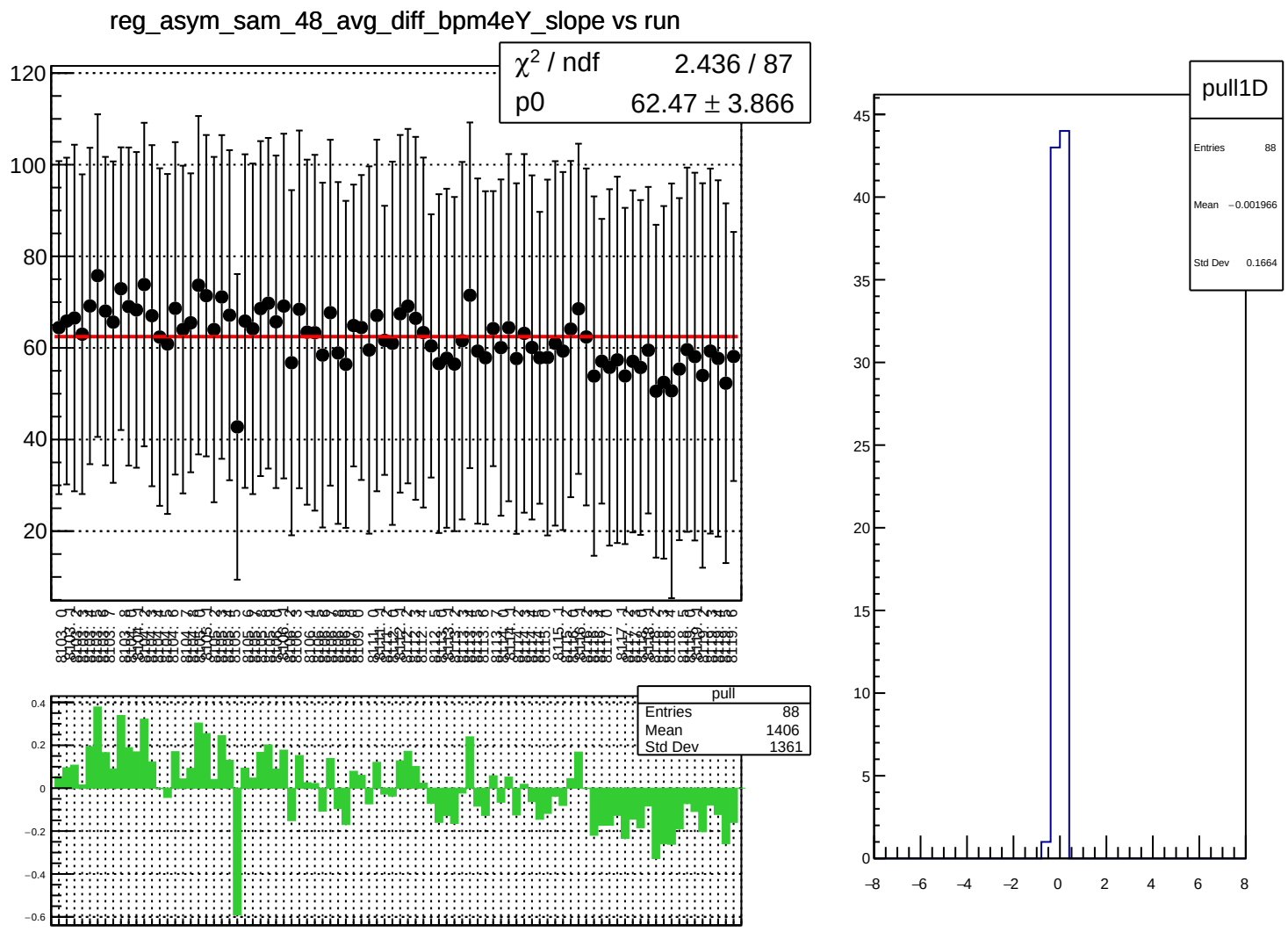

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 1.593 / 87
p0 −24.22 ± 2.409
pull
Entries 88
Mean 887.2
Std Dev 833.5

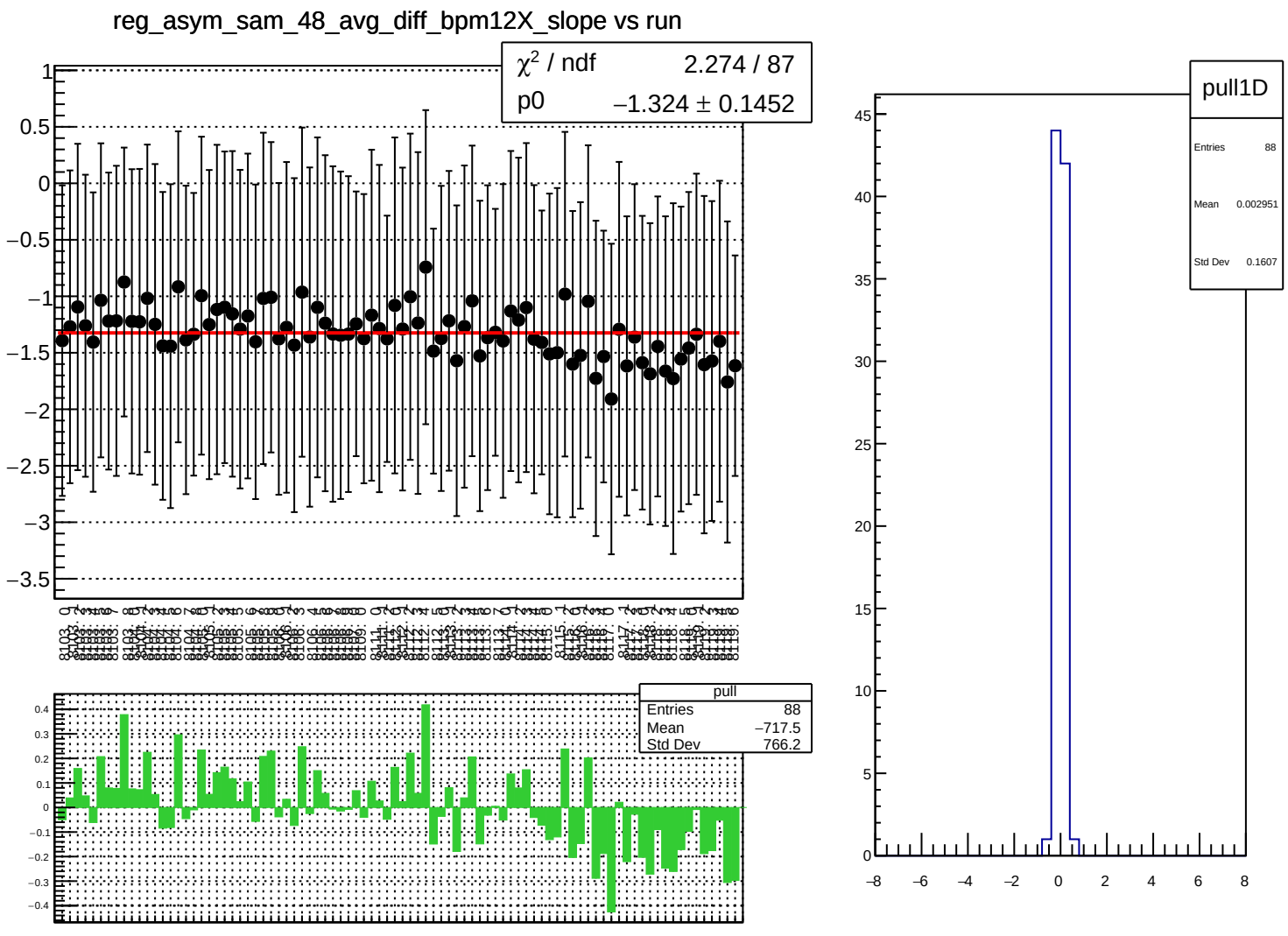

pull1D
Entries 88
Mean −0.001456
Std Dev 0.1346

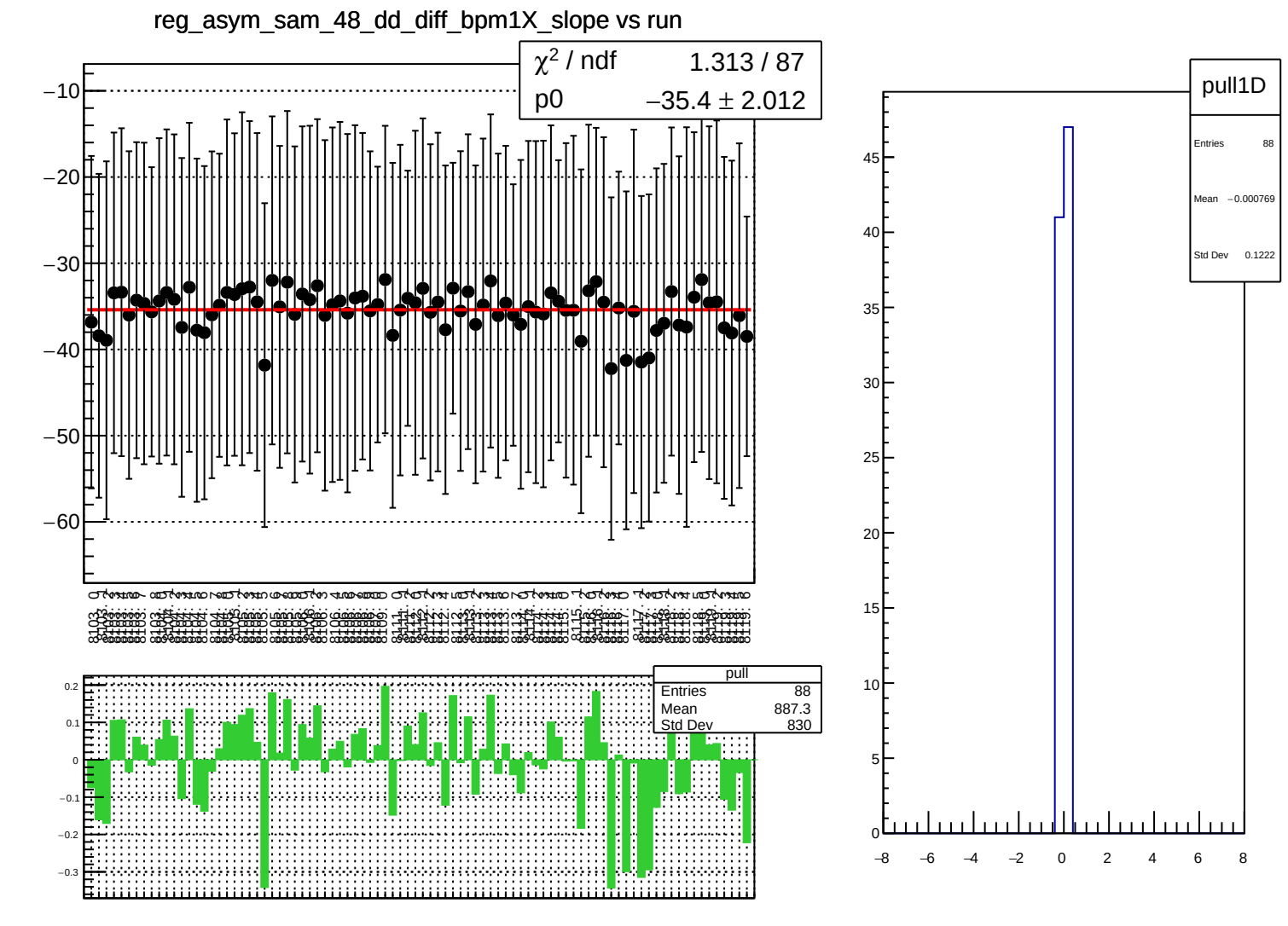

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.315 / 87
p0 54.93 ± 3.616
pull
Entries 88
Mean 1506
Std Dev 1461
pull1D
Entries 88
Mean 0.001829
Std Dev 0.1622

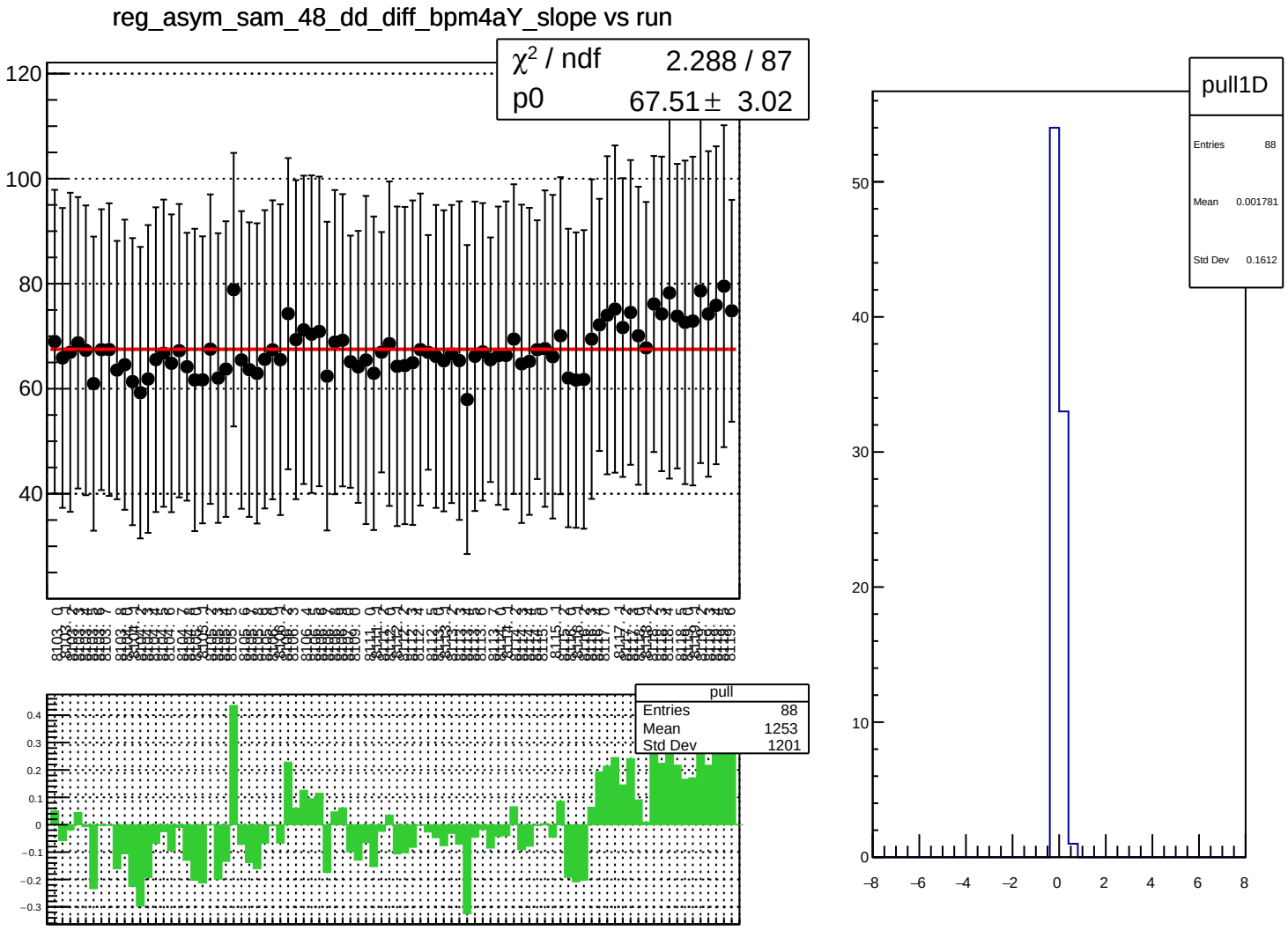

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.815 / 87
p0 −89.46 ± 2.29
pull
Entries 88
Mean 785
Std Dev 731.1

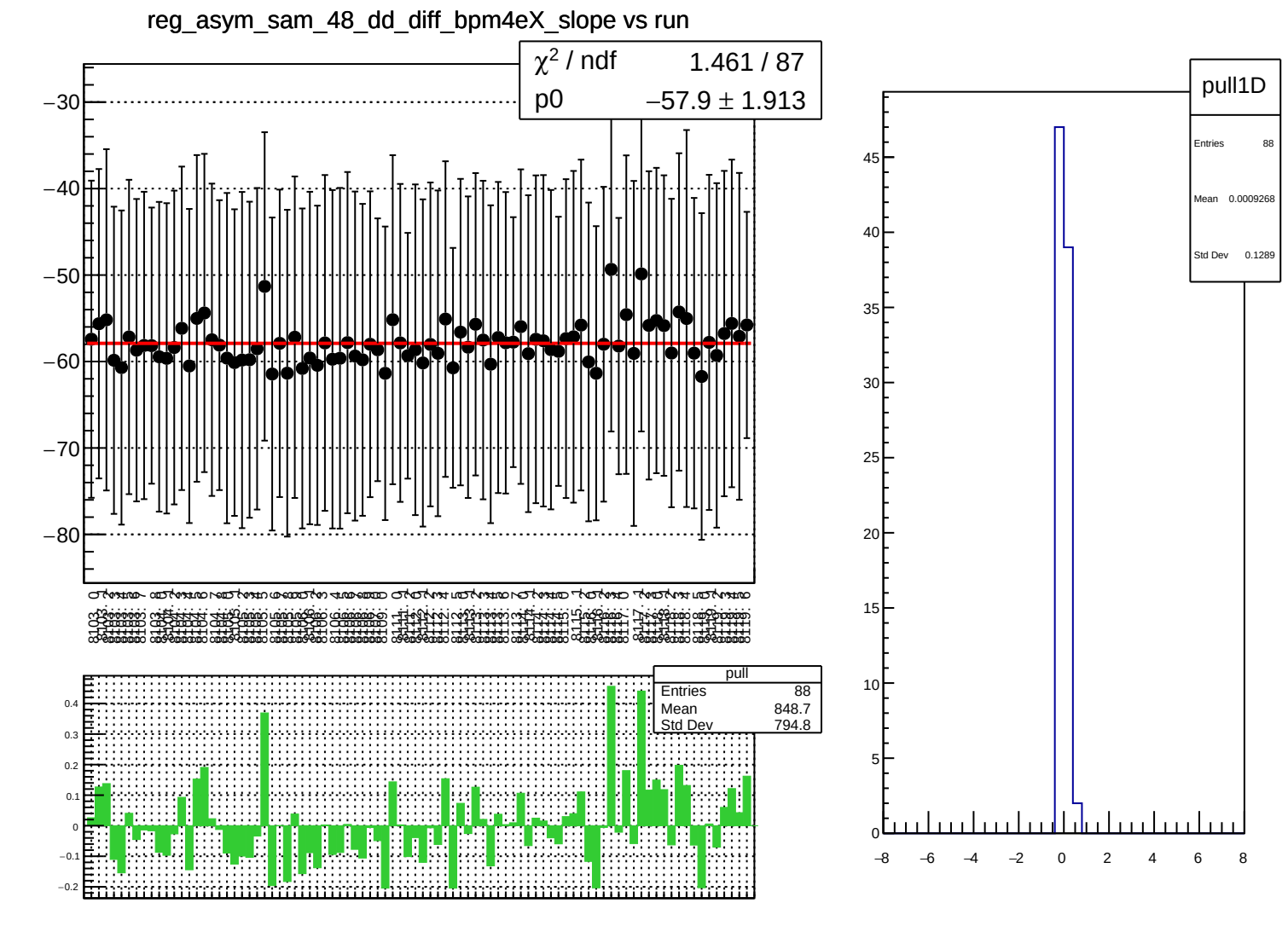

pull1D
Entries 88
Mean 0.001666
Std Dev 0.1436

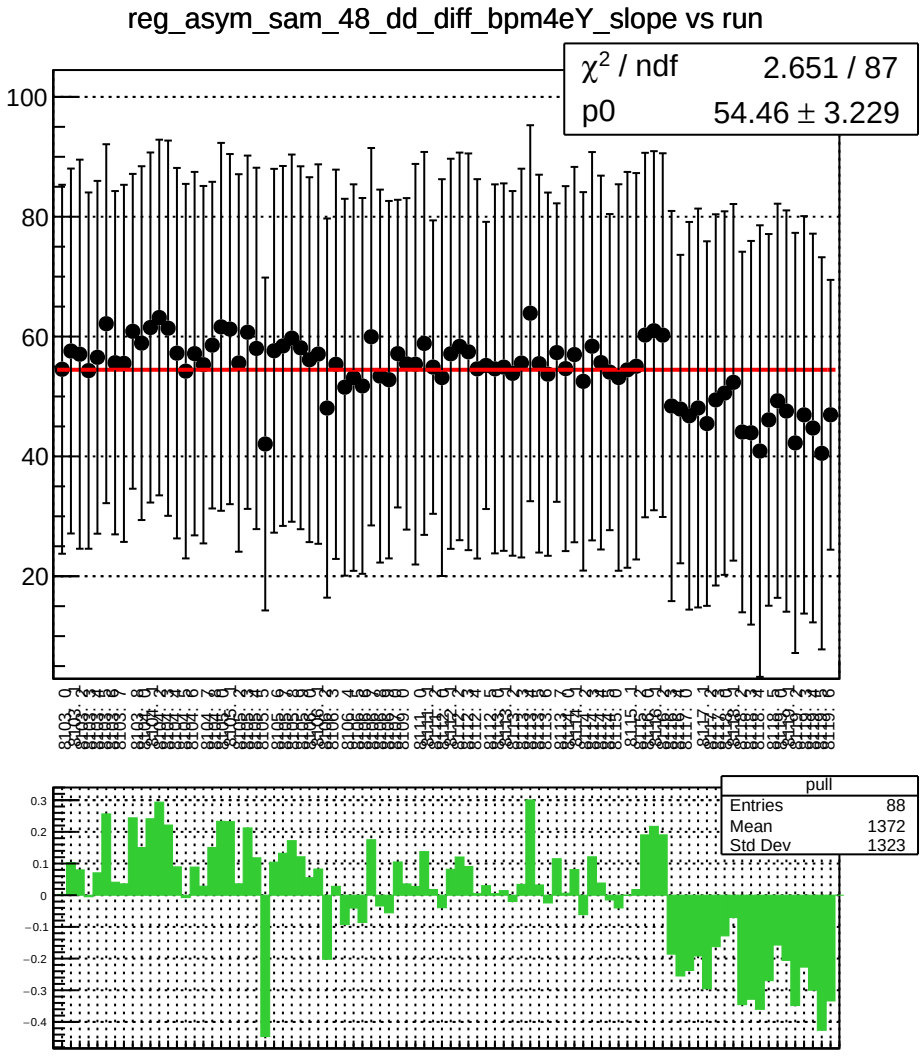

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.436 / 87
p0 62.47 ± 3.866
pull
Entries 88
Mean 1406
Std Dev 1361
pull1D
Entries 88
Mean −0.001966
Std Dev 0.1664

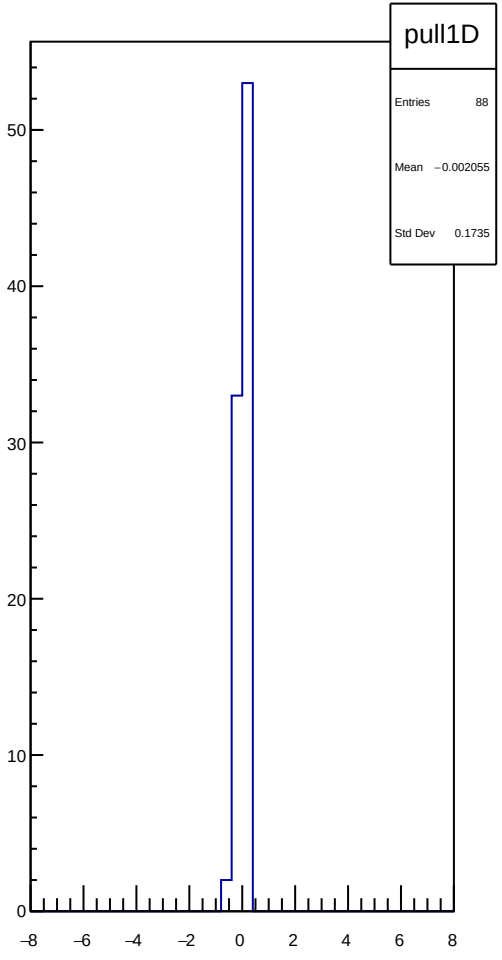

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 2.274 / 87
p0 −1.324 ± 0.1452
pull
Entries 88
Mean −717.5
Std Dev 766.2
pull1D
Entries 88
Mean 0.002951
Std Dev 0.1607

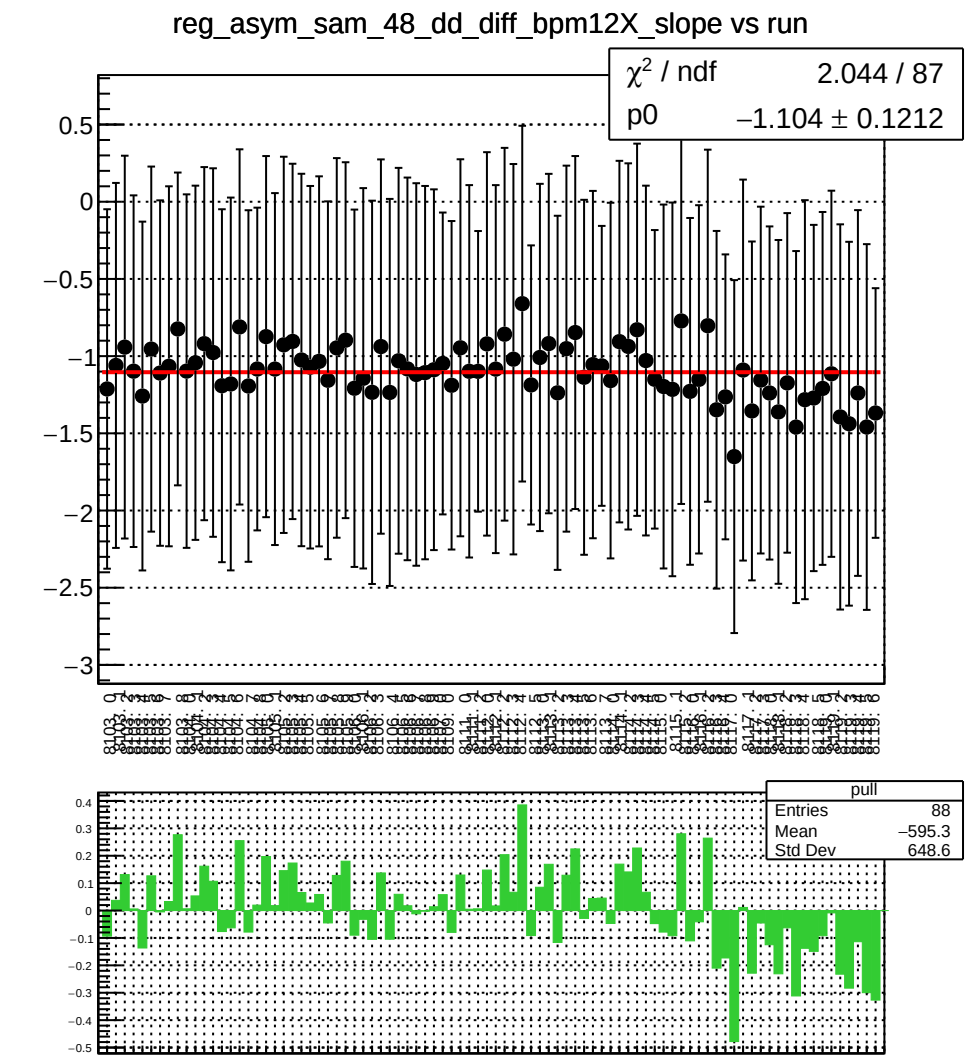

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.313 / 87
p0 −35.4 ± 2.012
−10
−20
−30
−40
−50
−60
pull
Entries 88
Mean 887.3
Std Dev 830
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 88
Mean −0.000769
Std Dev 0.1222
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

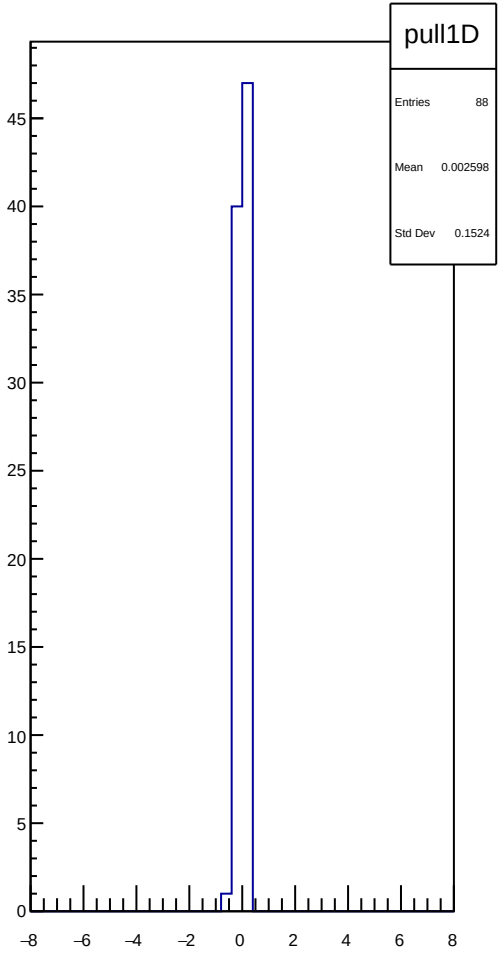

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.288 / 87
p0 67.51 ± 3.02
120
100
80
60
40
pull
Entries 88
Mean 1253
Std Dev 1201
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 88
Mean 0.001781
Std Dev 0.1612
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

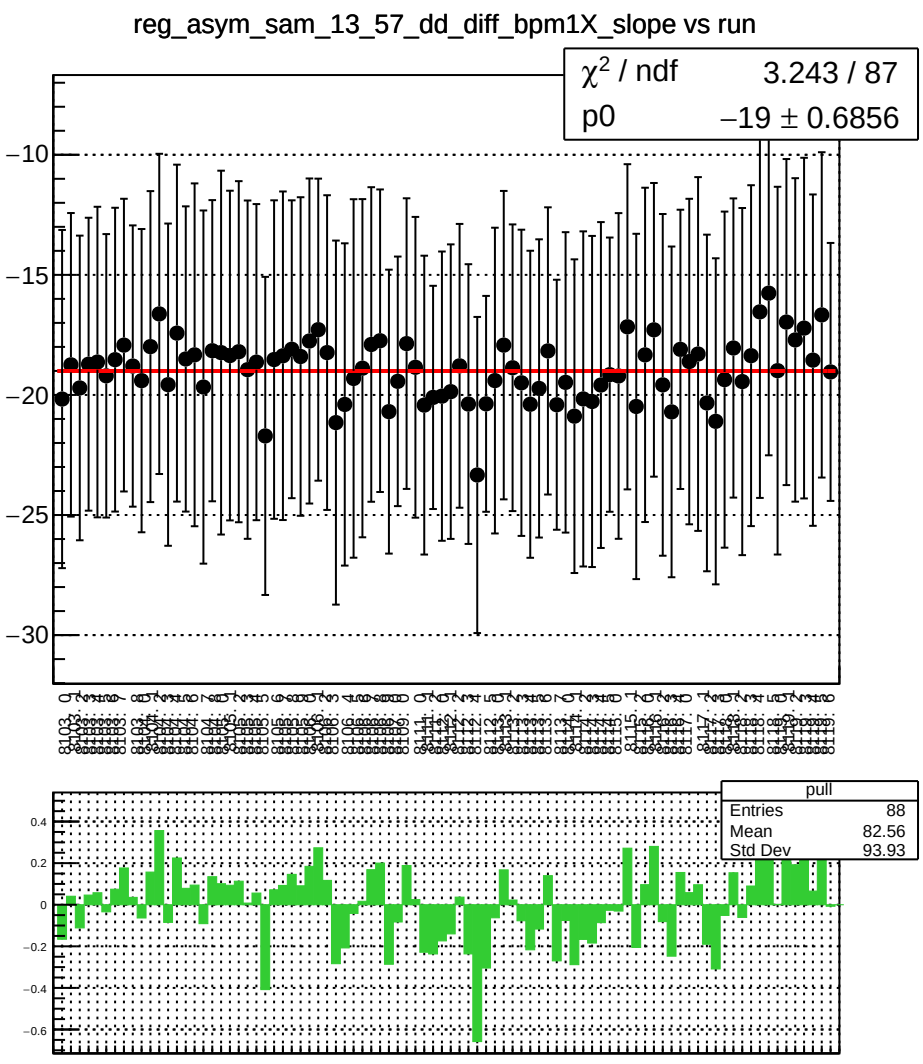

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.461 / 87
p0 −57.9 ± 1.913
−30
−40
−50
−60
−70
−80
pull
Entries 88
Mean 848.7
Std Dev 794.8
0.4
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 88
Mean 0.0009268
Std Dev 0.1289
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

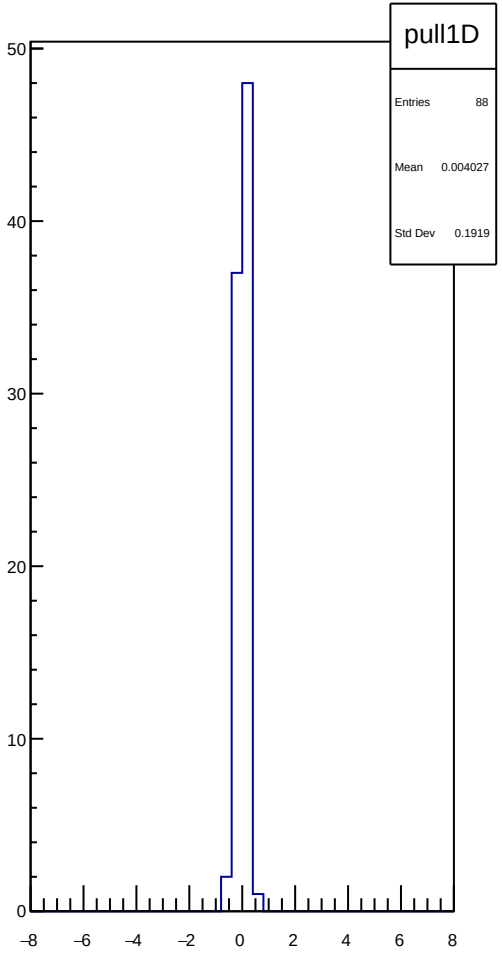

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.651 / 87
p0 54.46 ± 3.229
pull
Entries 88
Mean 1372
Std Dev 1323

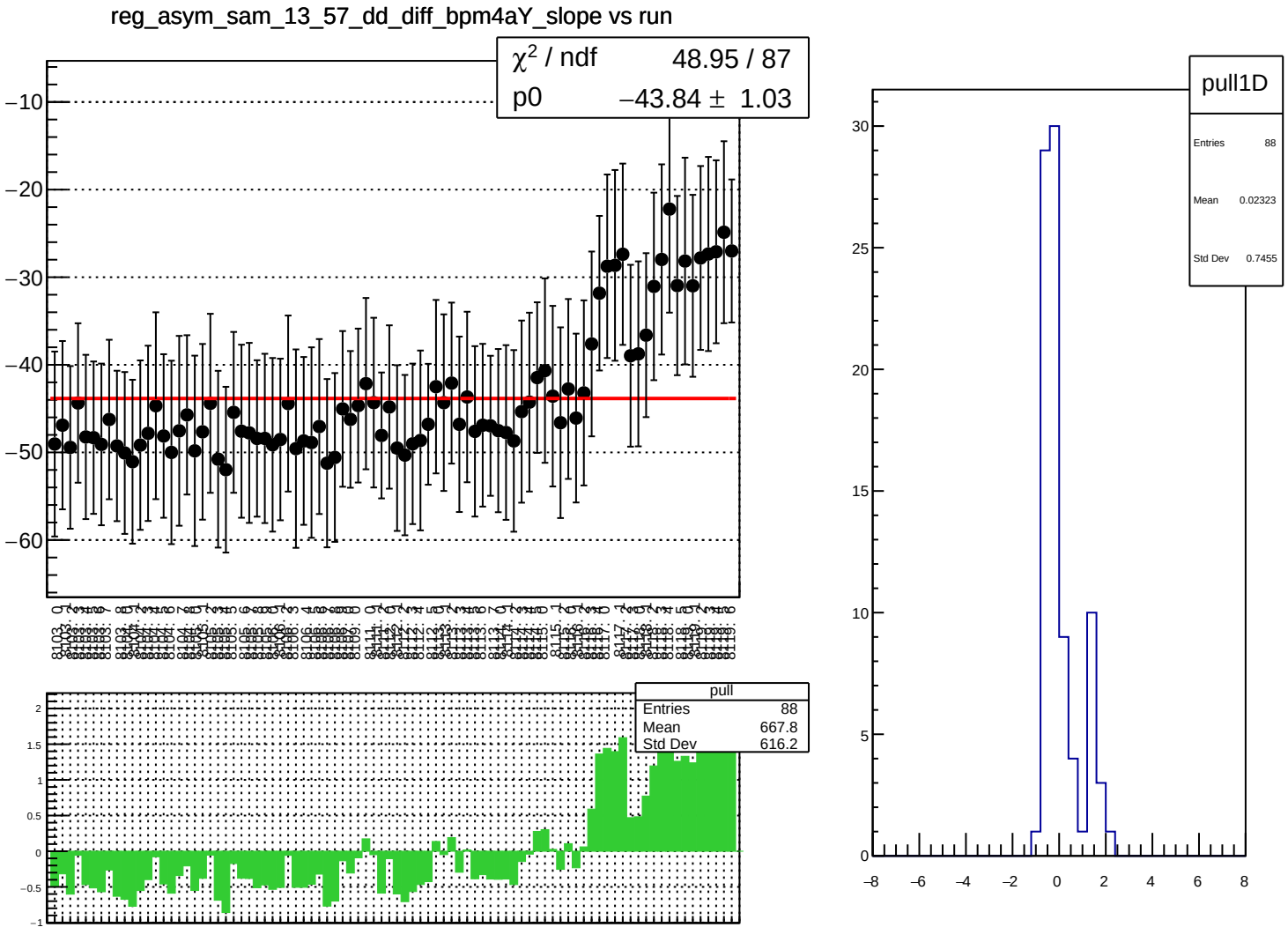

pull1D
Entries 88
Mean −0.002055
Std Dev 0.1735

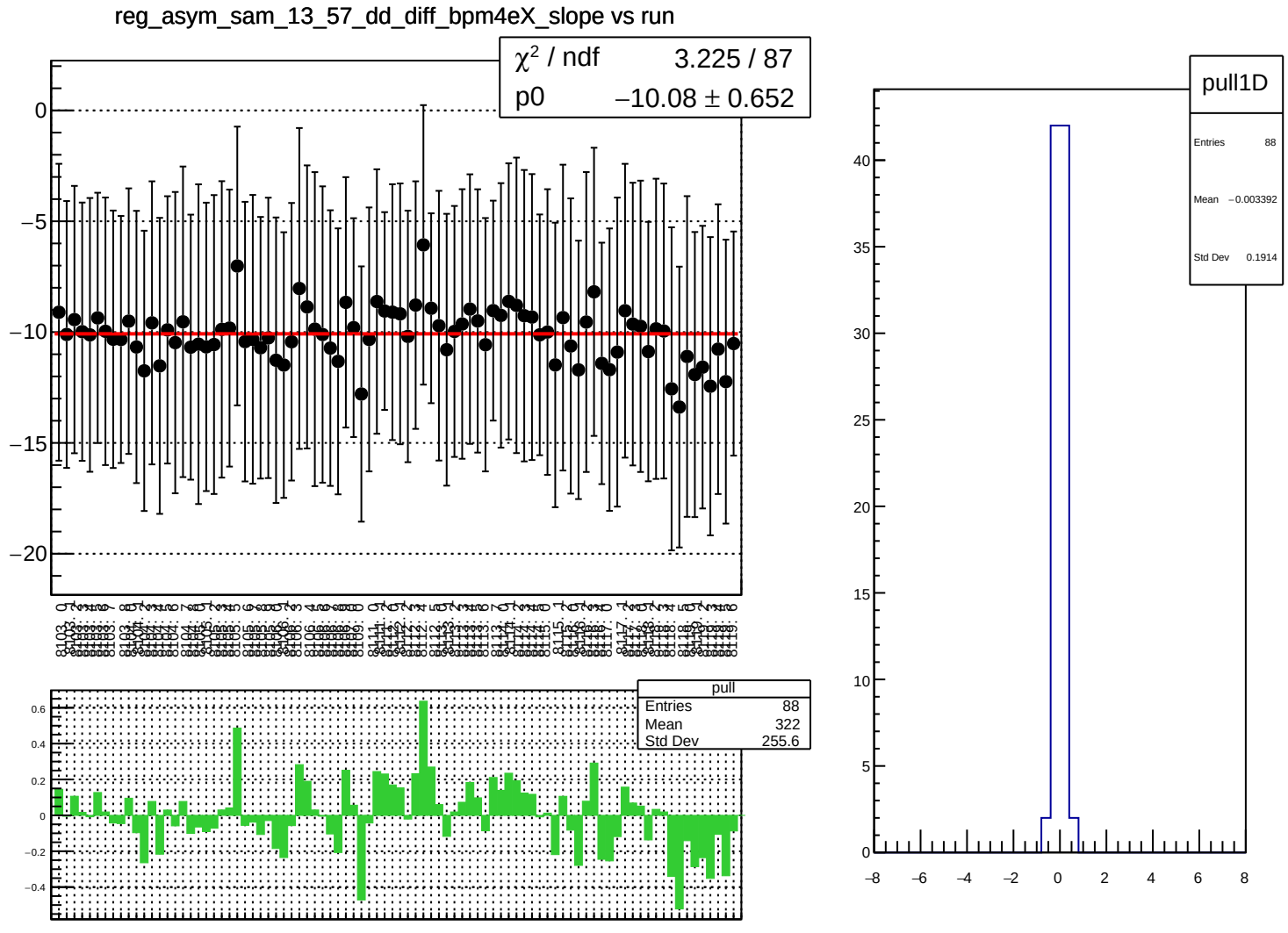

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.044 / 87
p0 −1.104 ± 0.1212
pull
Entries 88
Mean −595.3
Std Dev 648.6

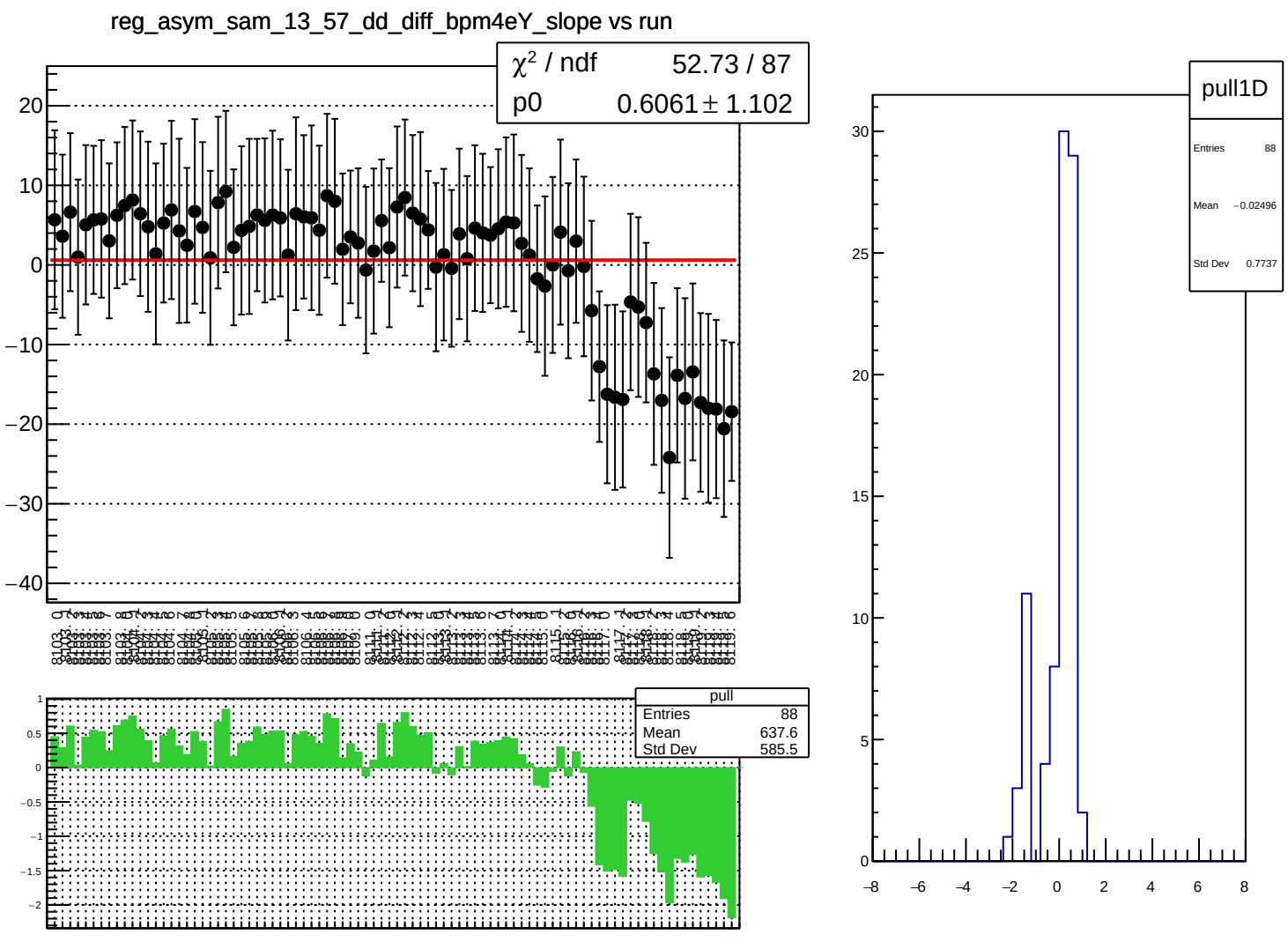

pull1D
Entries 88
Mean 0.002598
Std Dev 0.1524

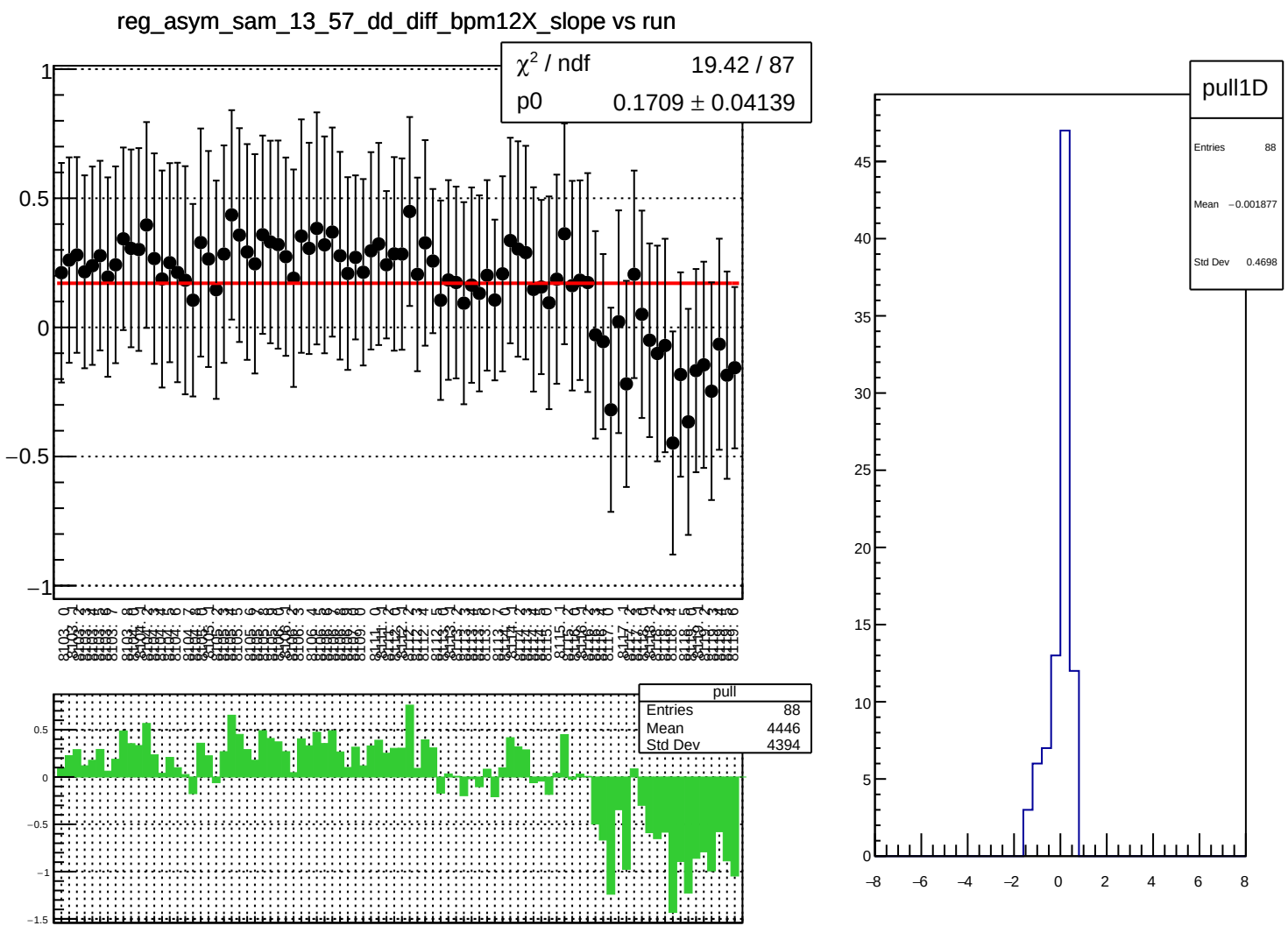

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 3.243 / 87
p0 −19 ± 0.6856
pull
Entries 88
Mean 82.56
Std Dev 93.93

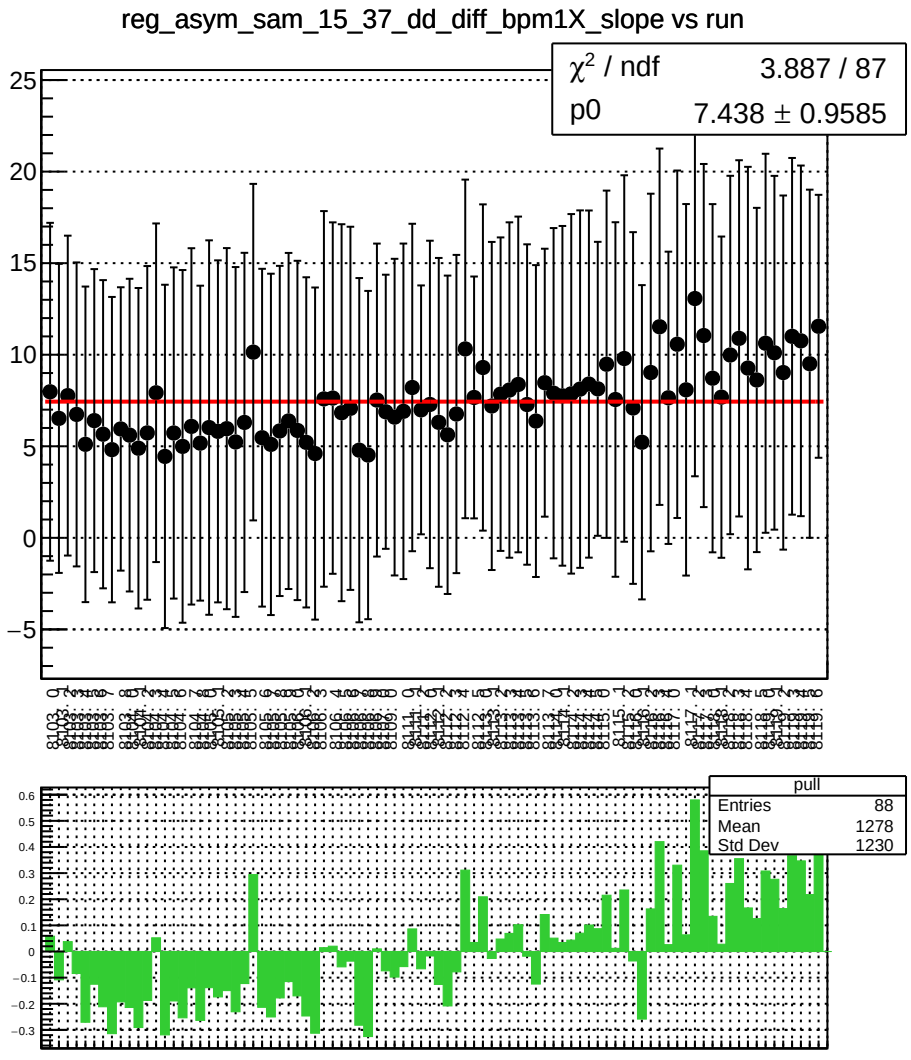

pull1D
Entries 88
Mean 0.004027
Std Dev 0.1919

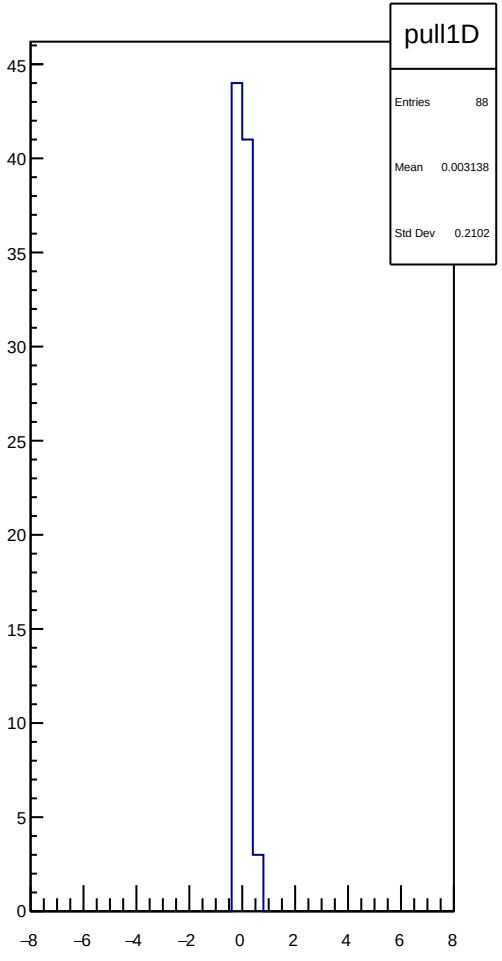

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.95 / 87
p0 −43.84 ± 1.03
pull
Entries 88
Mean 667.8
Std Dev 616.2
pull1D
Entries 88
Mean 0.02323
Std Dev 0.7455

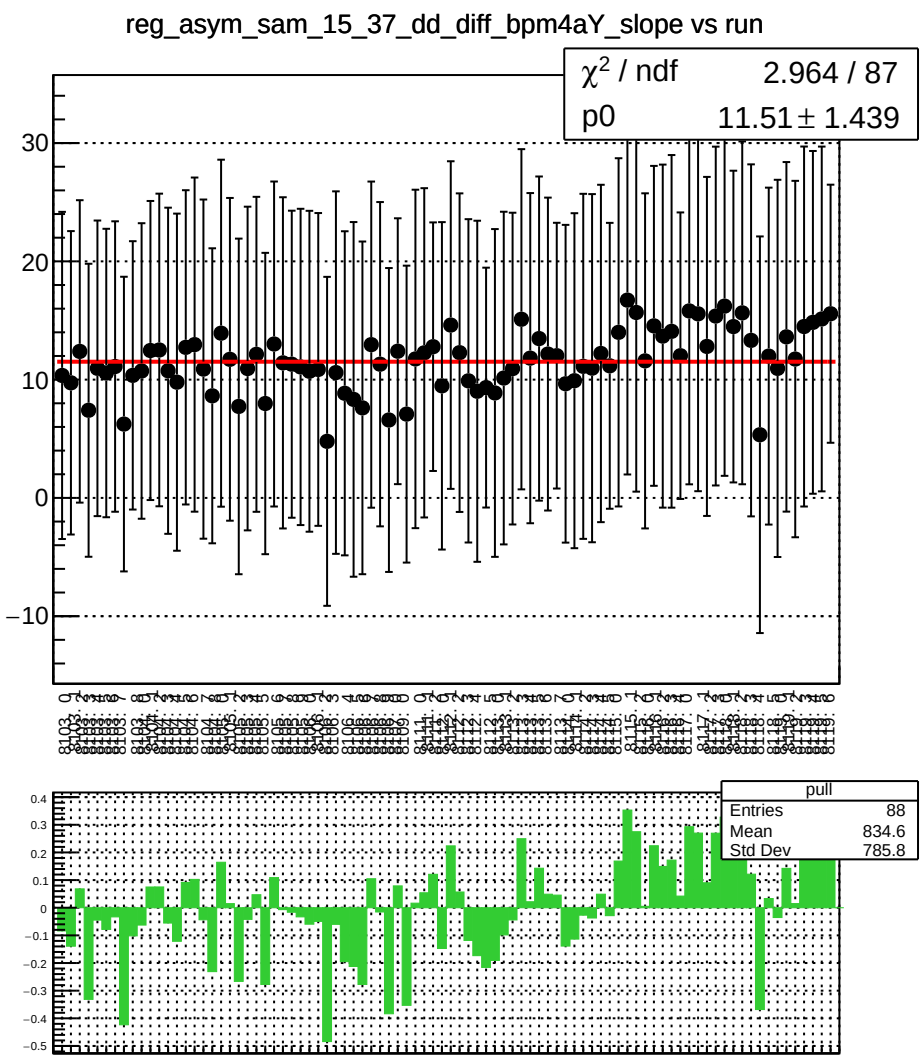

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.225 / 87
p0 −10.08 ± 0.652
pull
Entries 88
Mean 322
Std Dev 255.6
pull1D
Entries 88
Mean −0.003392
Std Dev 0.1914

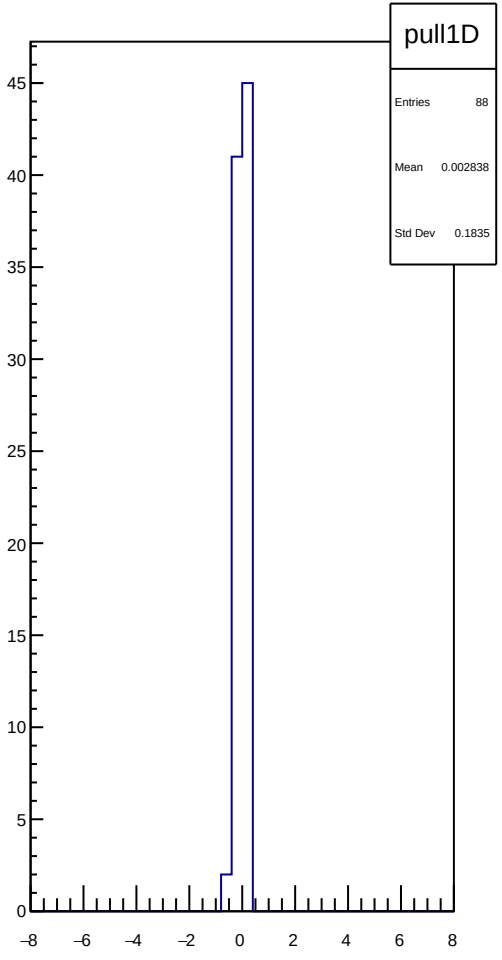

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.73 / 87
p0 0.6061 ± 1.102
pull
Entries 88
Mean 637.6
Std Dev 585.5
pull1D
Entries 88
Mean −0.02496
Std Dev 0.7737

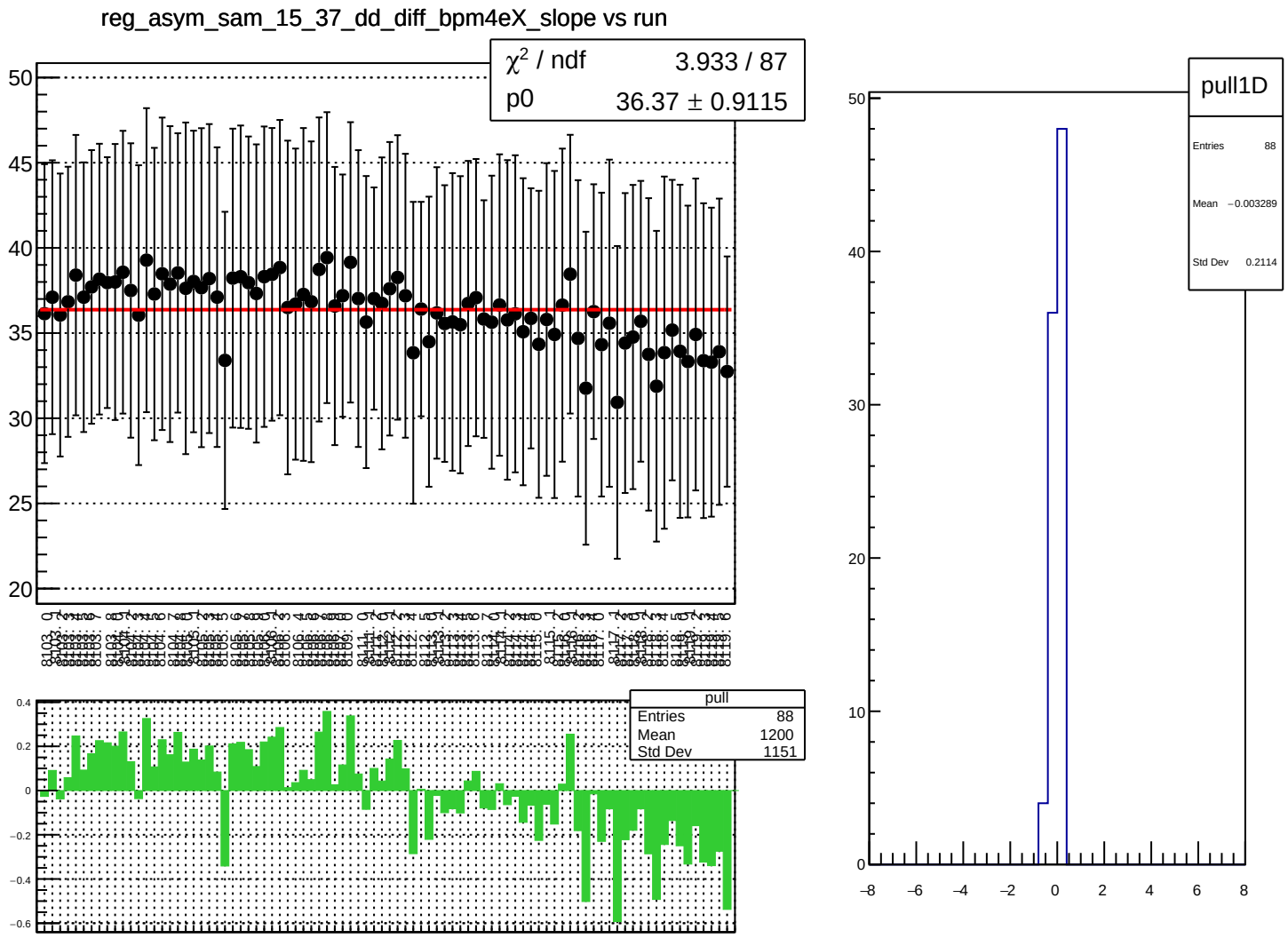

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 19.42 / 87
p0 0.1709 ± 0.04139
pull
Entries 88
Mean 4446
Std Dev 4394
pull1D
Entries 88
Mean −0.001877
Std Dev 0.4698

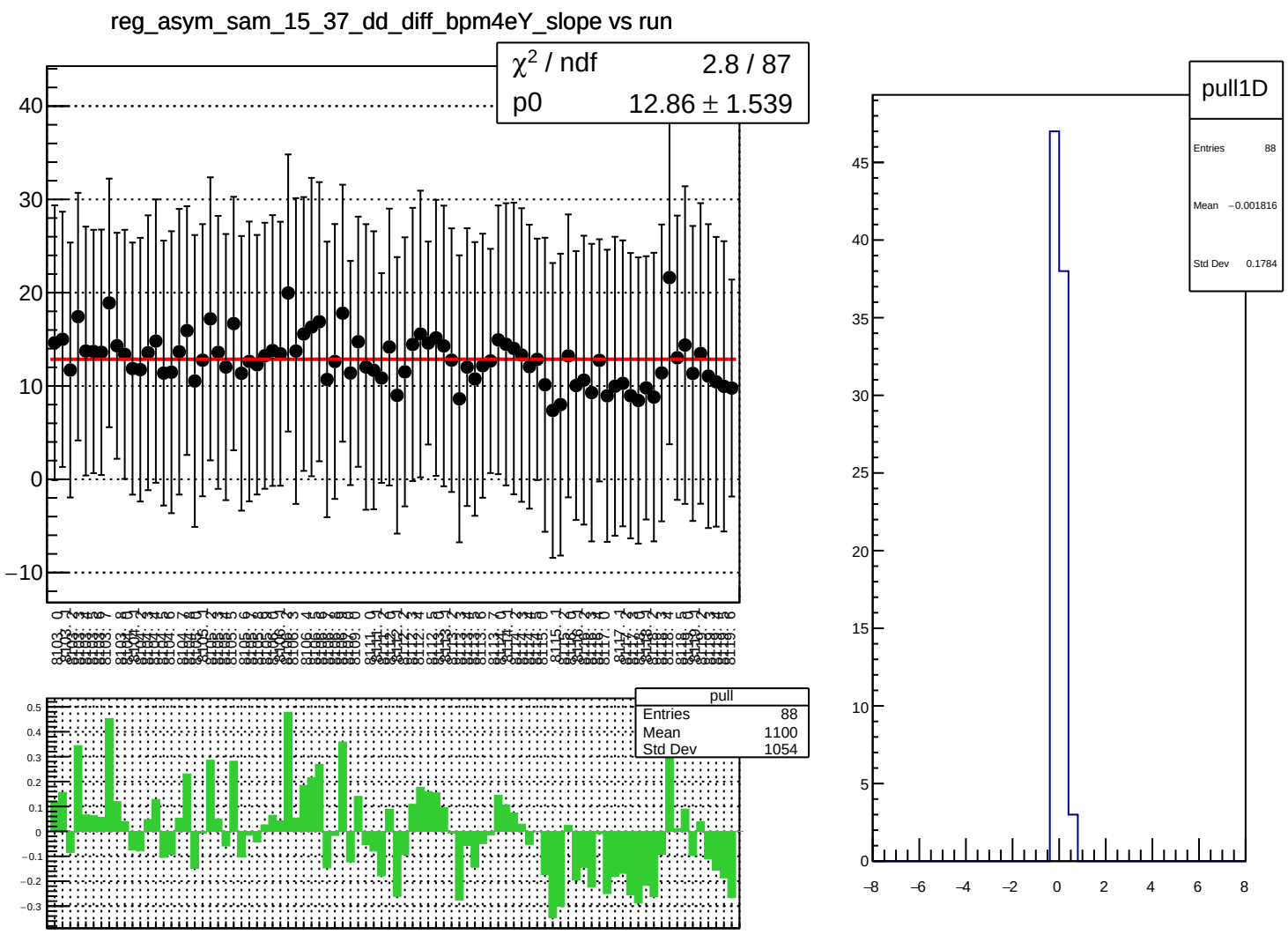

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.887 / 87
p0 7.438 ± 0.9585
pull
Entries 88
Mean 1278
Std Dev 1230

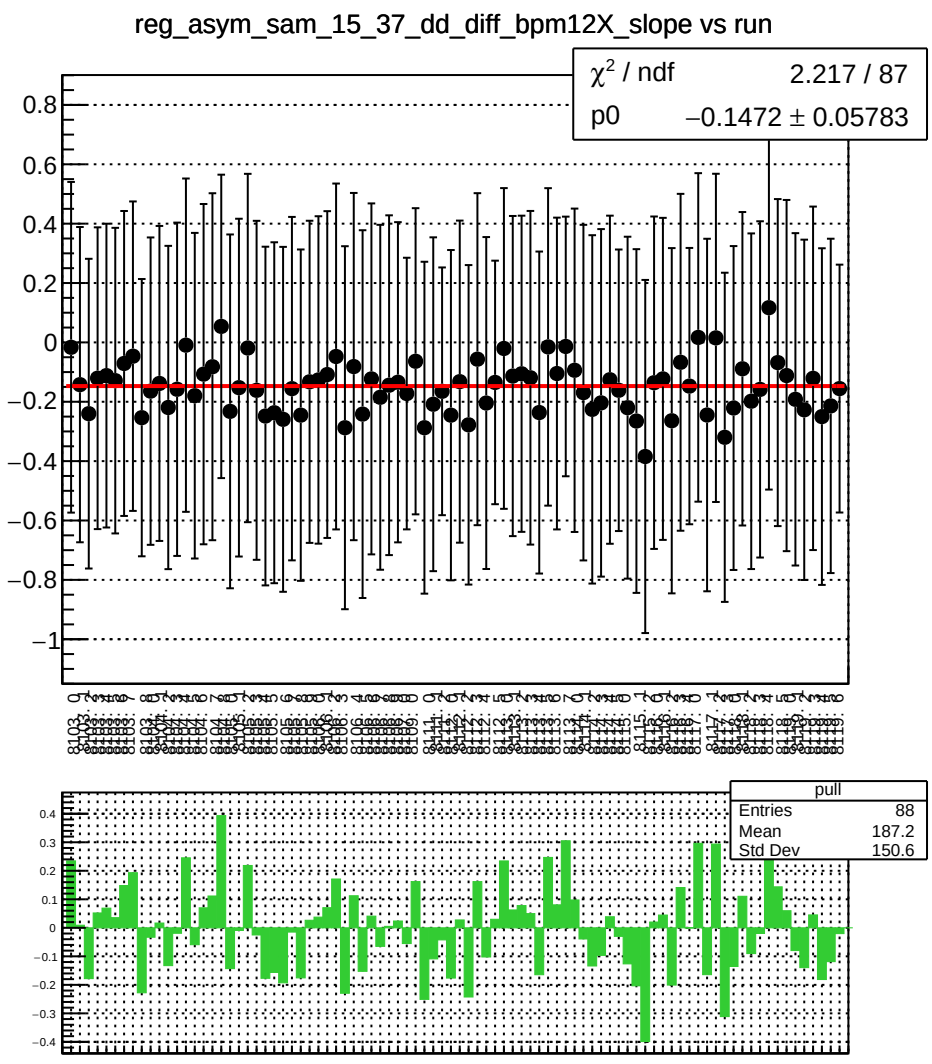

pull1D
Entries 88
Mean 0.003138
Std Dev 0.2102

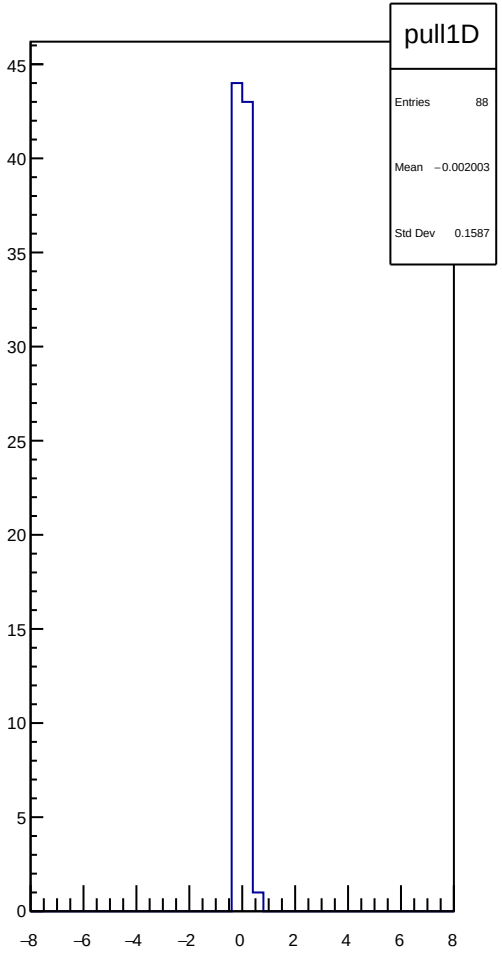

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.964 / 87
p0 11.51 ± 1.439
pull
Entries 88
Mean 834.6
Std Dev 785.8

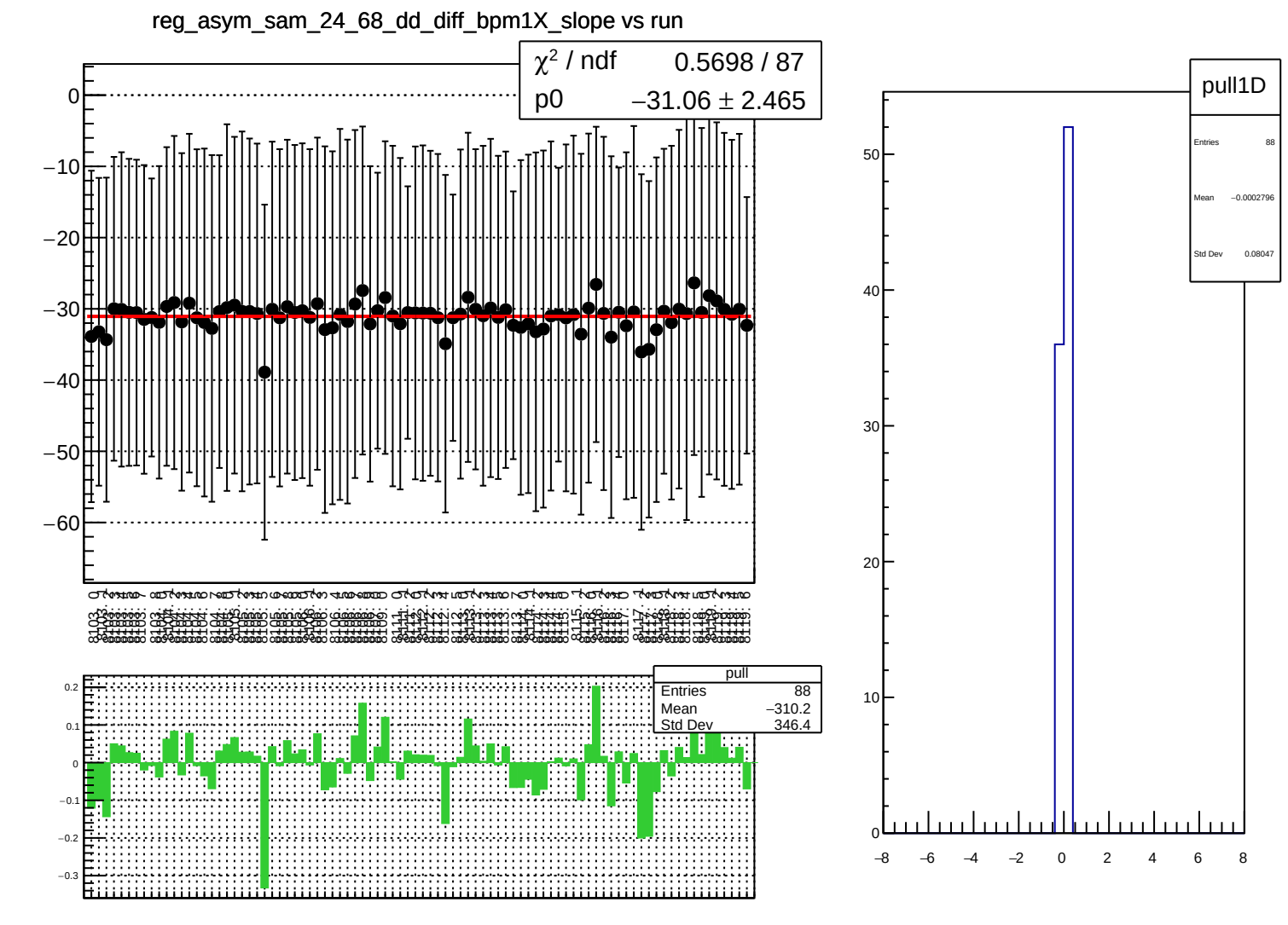

pull1D
Entries 88
Mean 0.002838
Std Dev 0.1835

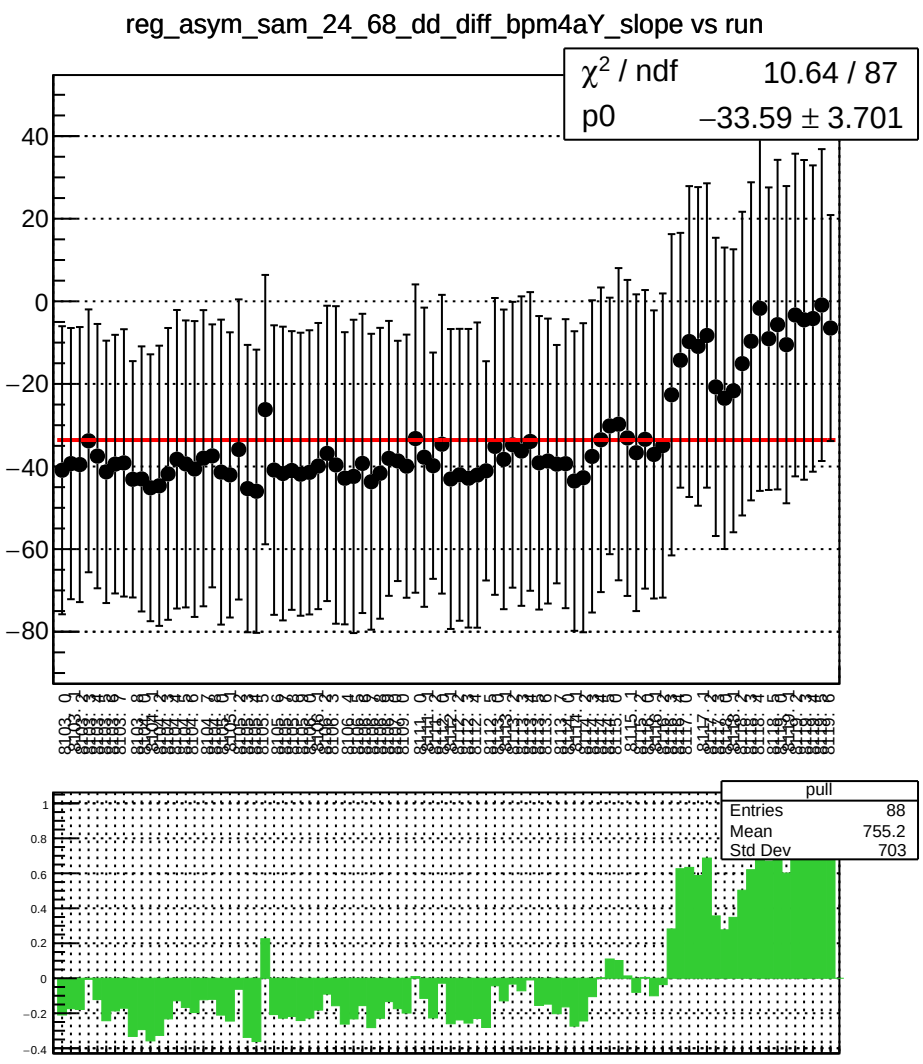

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.933 / 87
p0 36.37 ± 0.9115
pull
Entries 88
Mean 1200
Std Dev 1151
pull1D
Entries 88
Mean −0.003289
Std Dev 0.2114

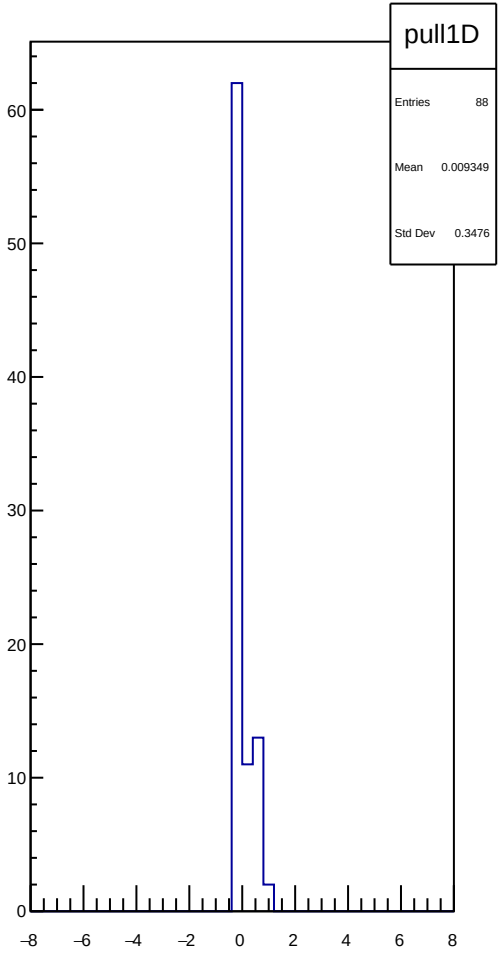

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.8 / 87
p0 12.86 ± 1.539
pull
Entries 88
Mean 1100
Std Dev 1054
pull1D
Entries 88
Mean −0.001816
Std Dev 0.1784

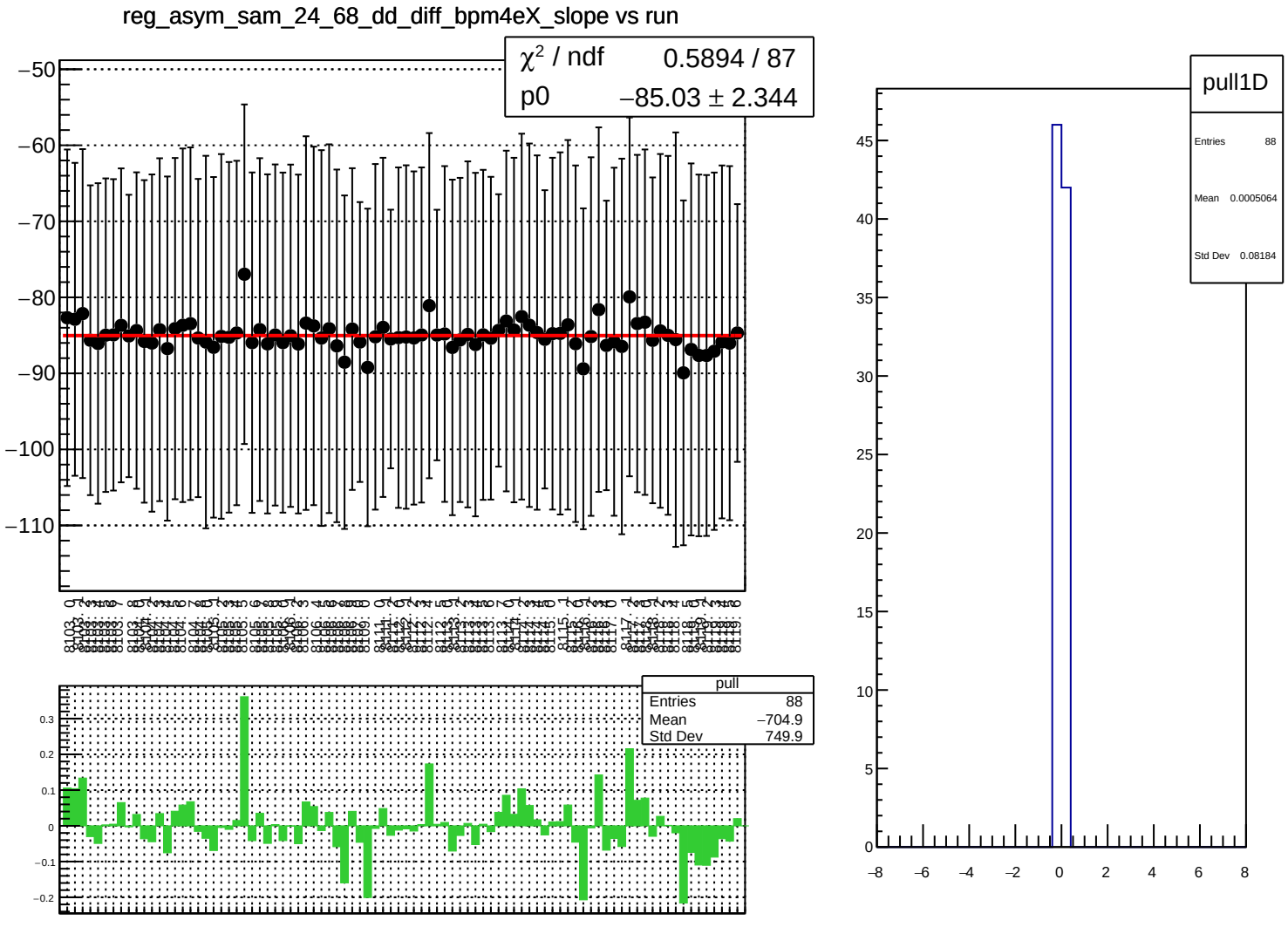

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.217 / 87
p0 −0.1472 ± 0.05783
pull
Entries 88
Mean 187.2
Std Dev 150.6

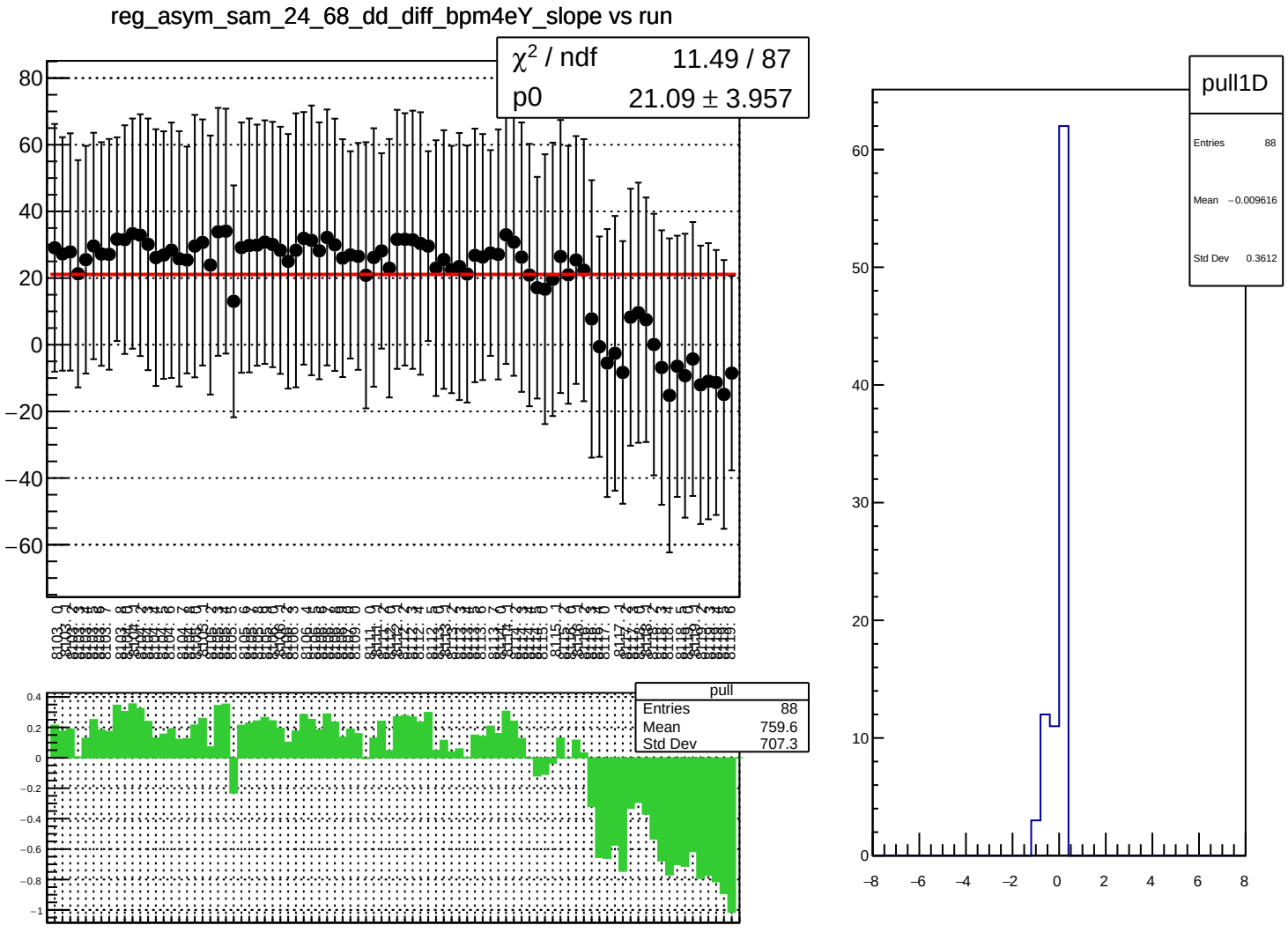

pull1D
Entries 88
Mean −0.002003
Std Dev 0.1587

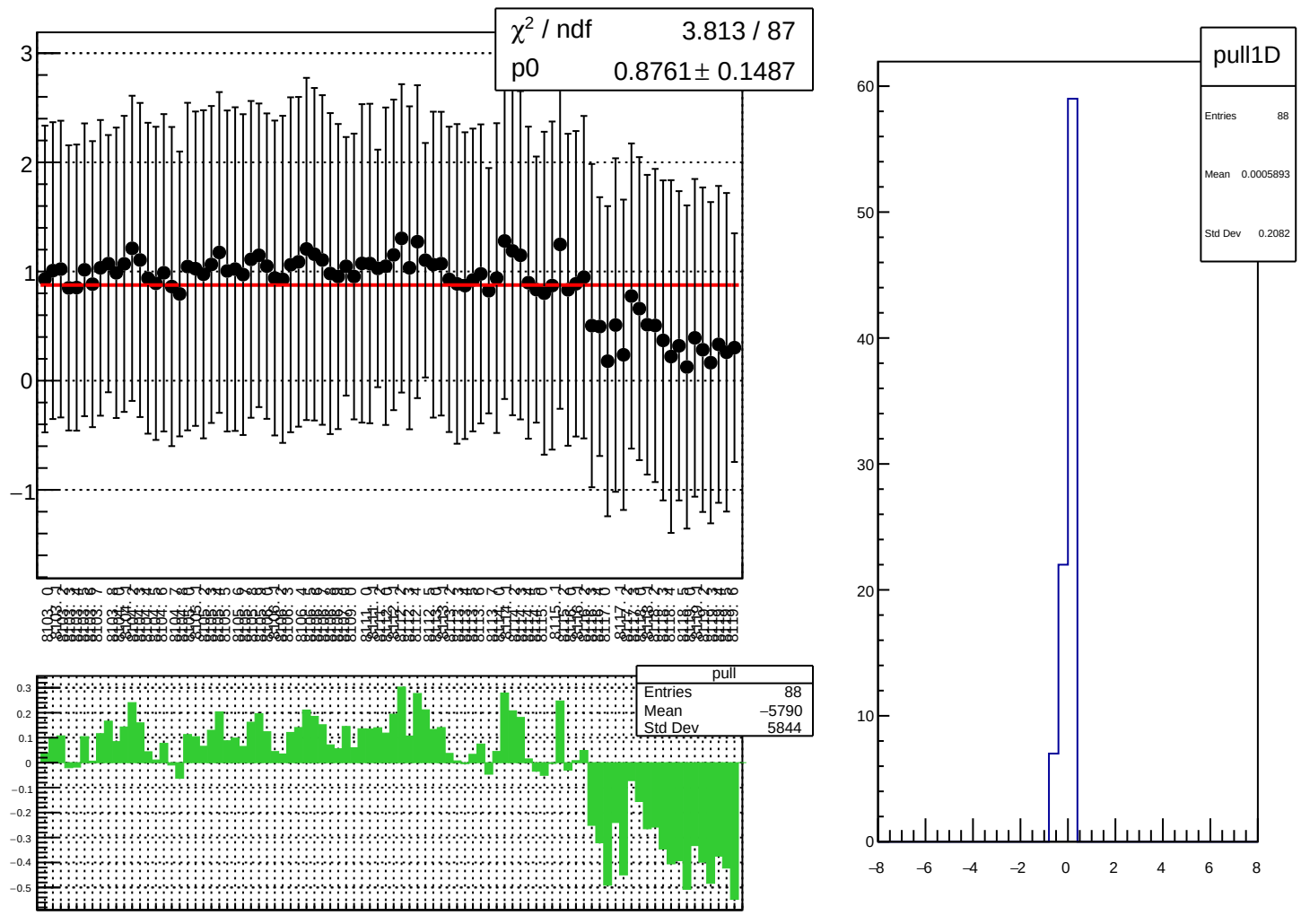

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.5698 / 87
p0 −31.06 ± 2.465
pull
Entries 88
Mean −310.2
Std Dev 346.4
pull1D
Entries 88
Mean −0.0002796
Std Dev 0.08047

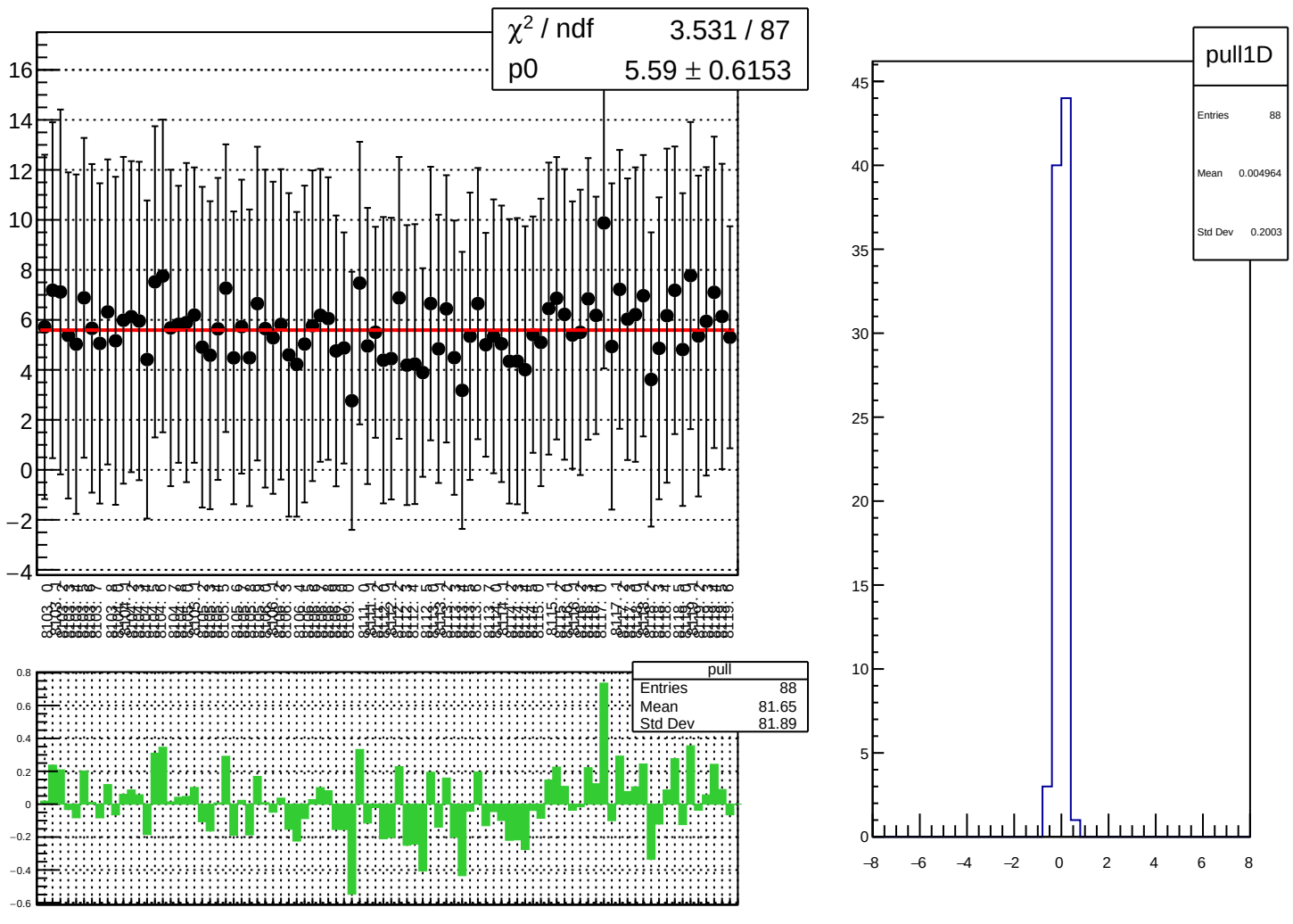

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.64 / 87
p0 −33.59 ± 3.701
pull
Entries 88
Mean 755.2
Std Dev 703

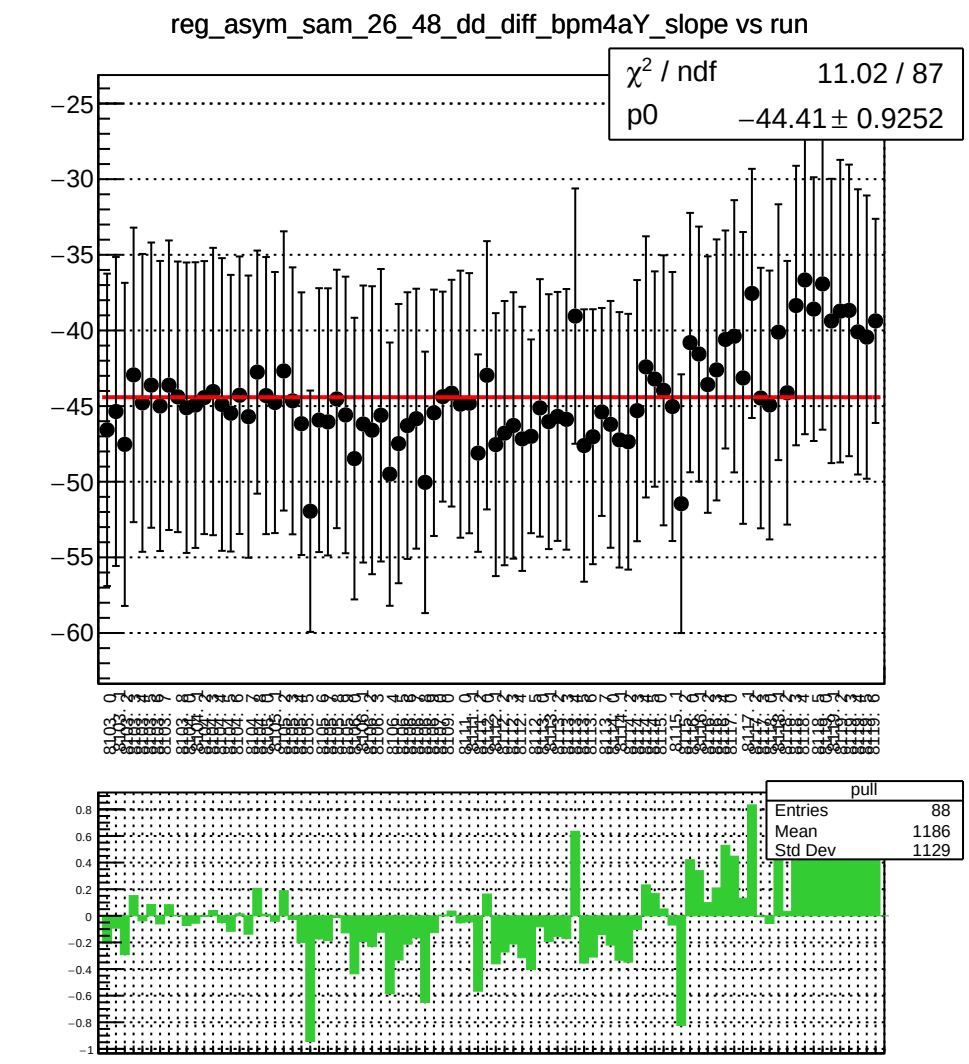

pull1D
Entries 88
Mean 0.009349
Std Dev 0.3476

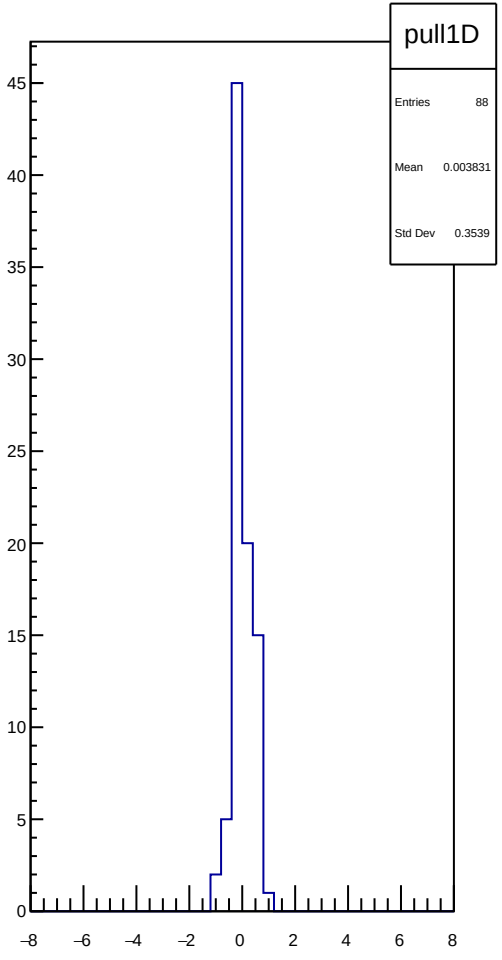

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5894 / 87
p0 −85.03 ± 2.344
pull
Entries 88
Mean −704.9
Std Dev 749.9
pull1D
Entries 88
Mean 0.0005064
Std Dev 0.08184

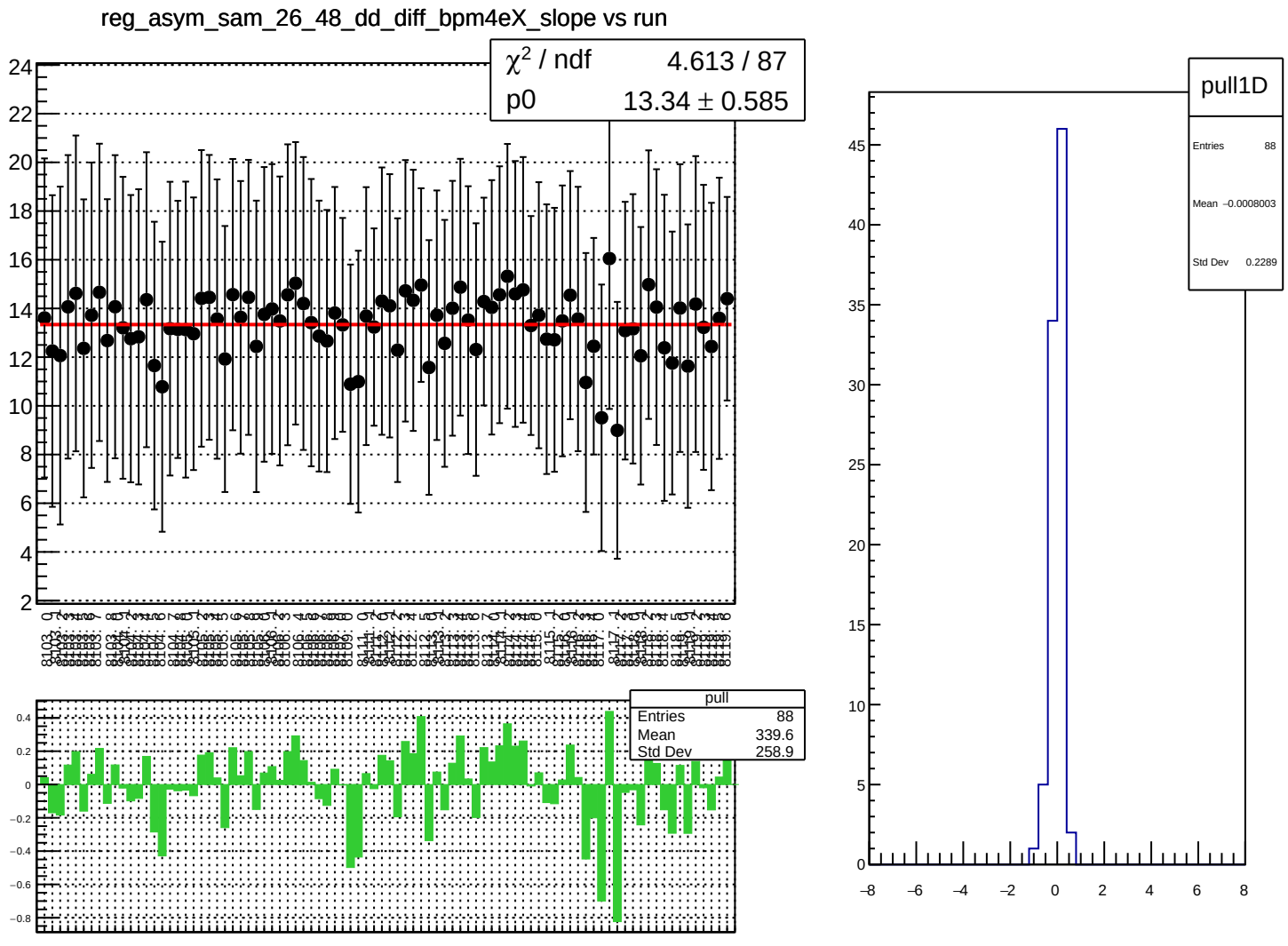

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.49 / 87
p0 21.09 ± 3.957
pull
Entries 88
Mean 759.6
Std Dev 707.3
pull1D
Entries 88
Mean −0.009616
Std Dev 0.3612

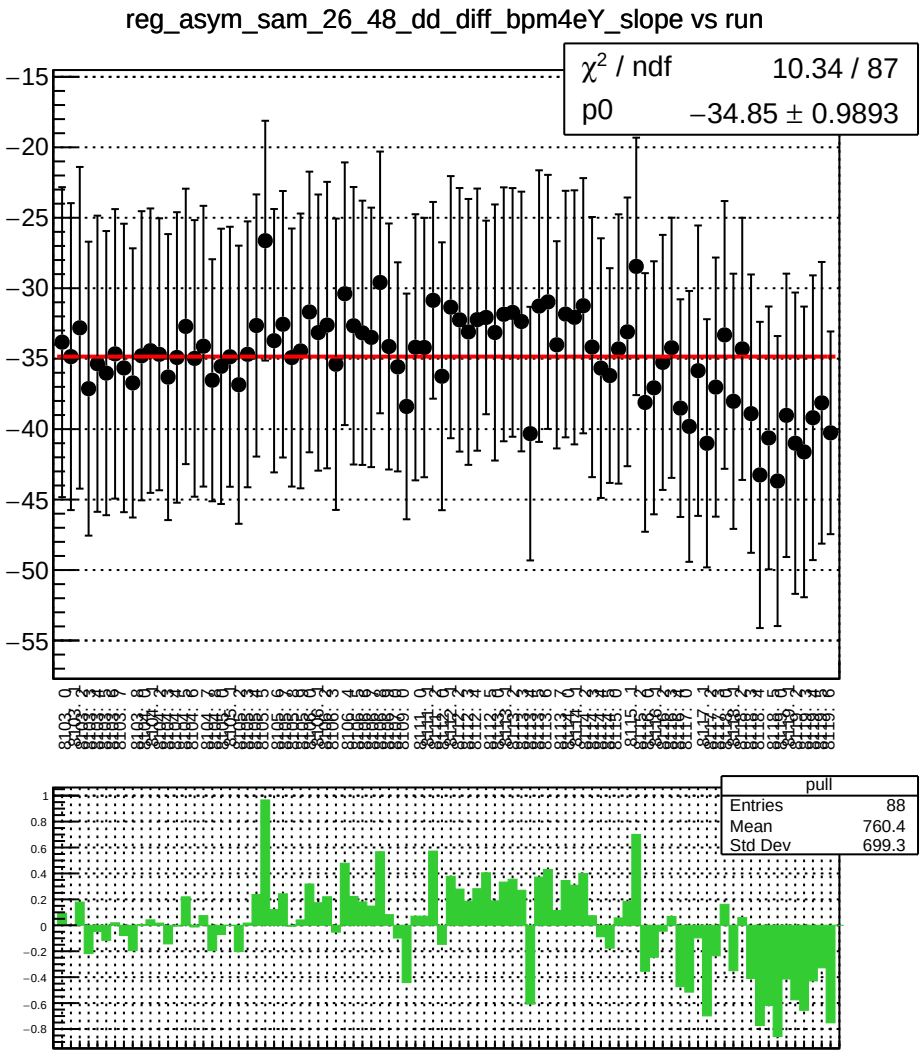

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.813 / 87
p0 0.8761± 0.1487
pull
Entries 88
Mean −5790
Std Dev 5844
pull1D
Entries 88
Mean 0.0005893
Std Dev 0.2082

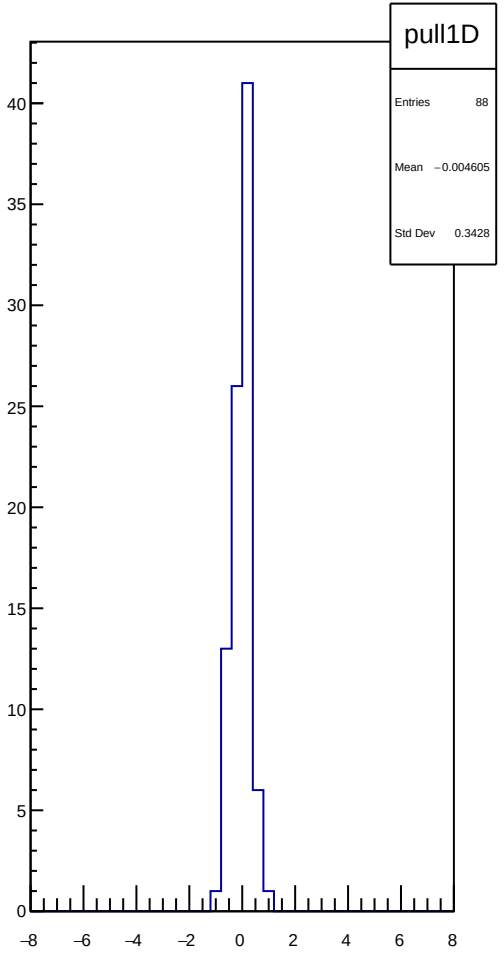

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.531 / 87
p0 5.59 ± 0.6153
pull
Entries 88
Mean 81.65
Std Dev 81.89
pull1D
Entries 88
Mean 0.004964
Std Dev 0.2003

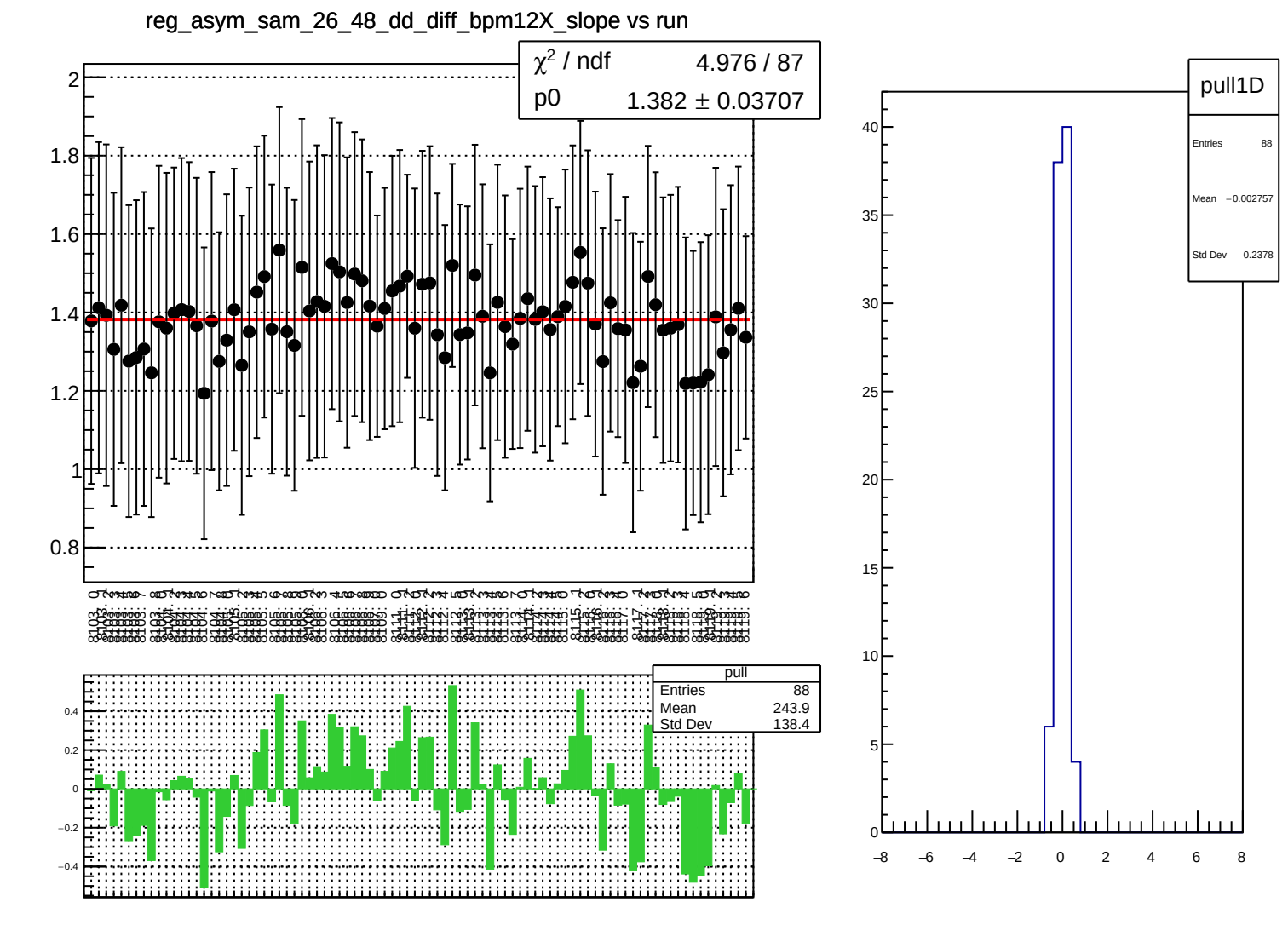

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.02 / 87
p0 −44.41 ± 0.9252
pull
Entries 88
Mean 1186
Std Dev 1129

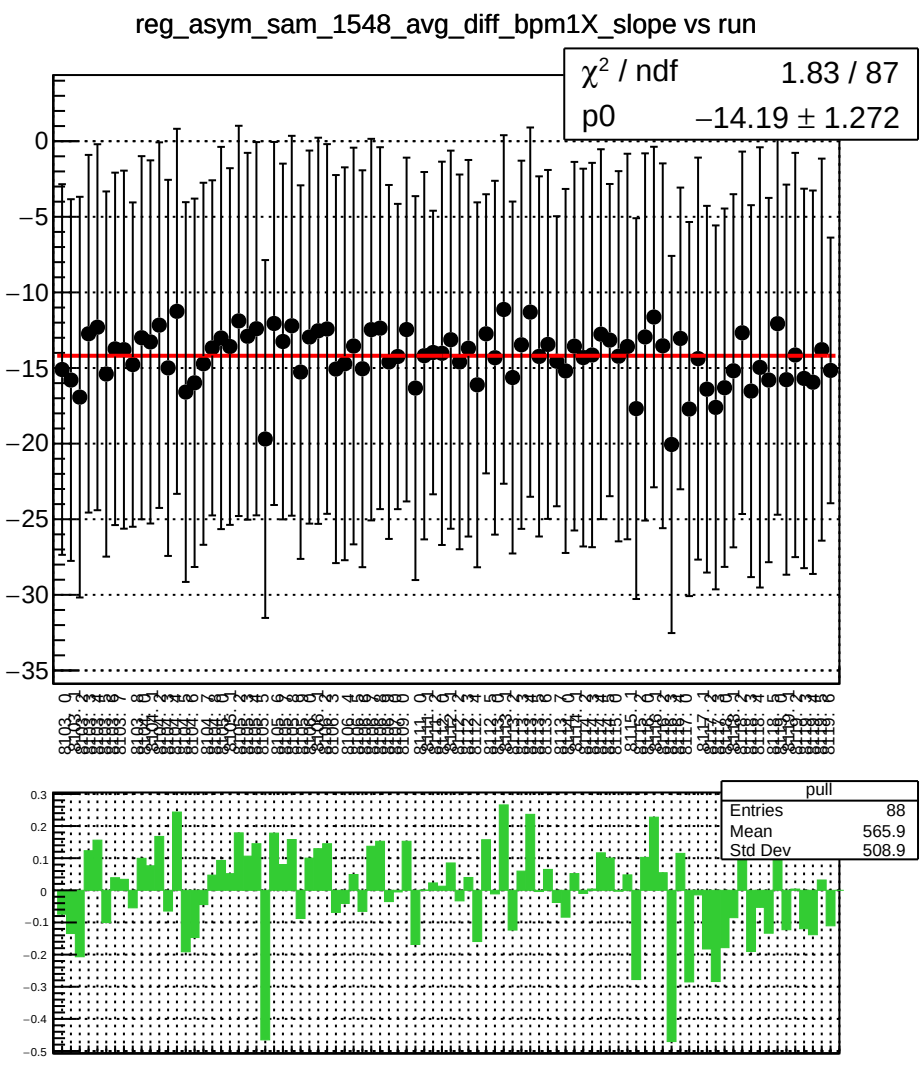

pull1D
Entries 88
Mean 0.003831
Std Dev 0.3539

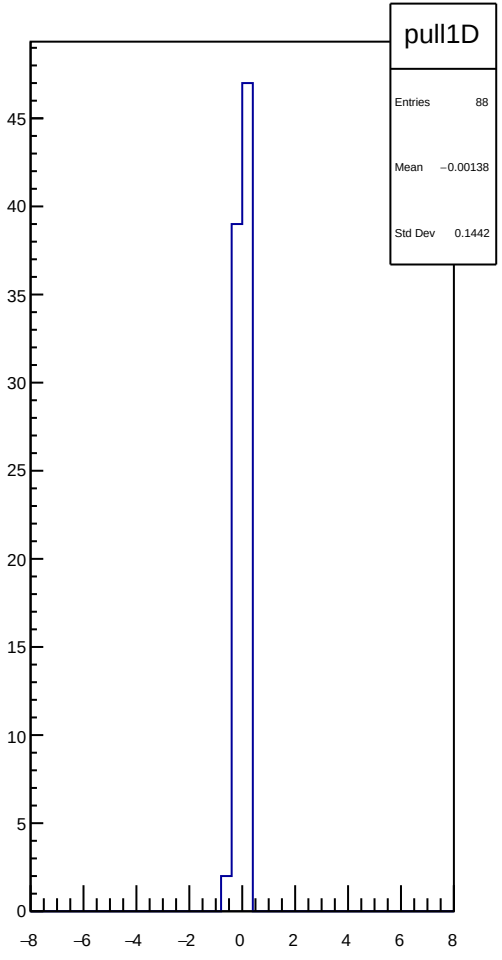

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.613 / 87
p0 13.34 ± 0.585
pull
Entries 88
Mean 339.6
Std Dev 258.9
pull1D
Entries 88
Mean −0.0008003
Std Dev 0.2289

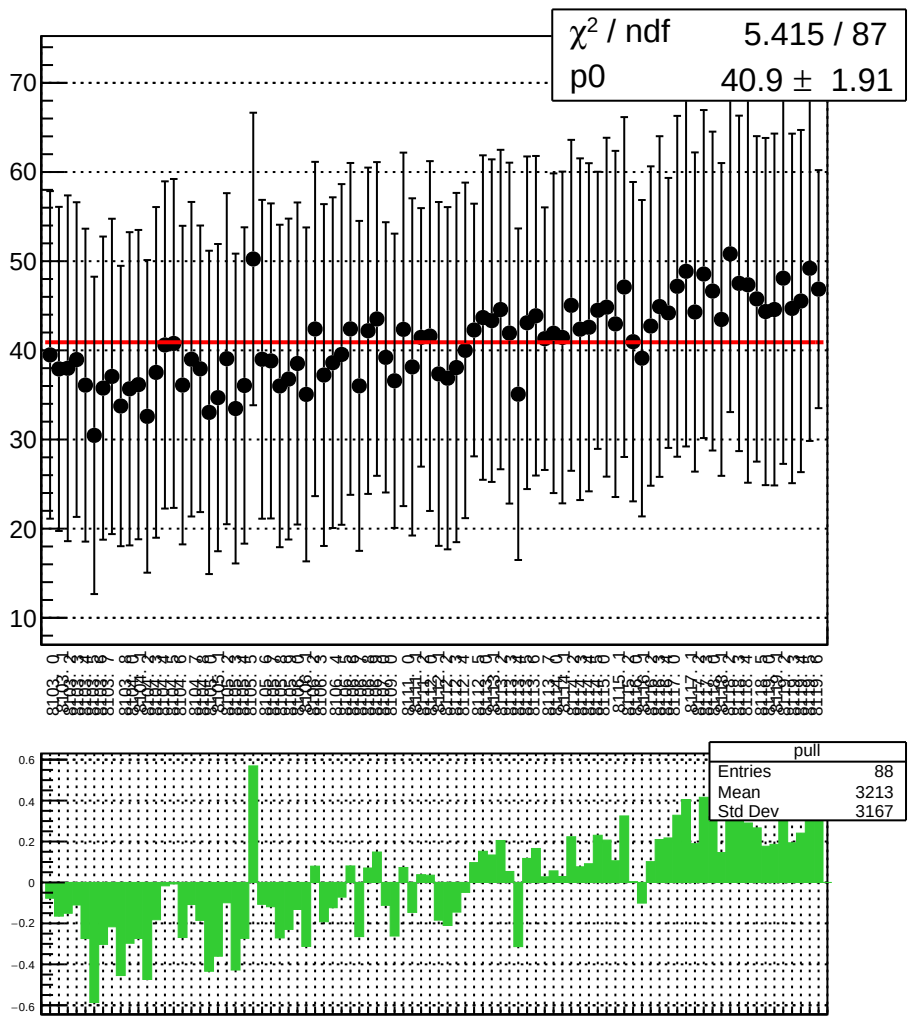

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.34 / 87
p0 −34.85 ± 0.9893
pull
Entries 88
Mean 760.4
Std Dev 699.3

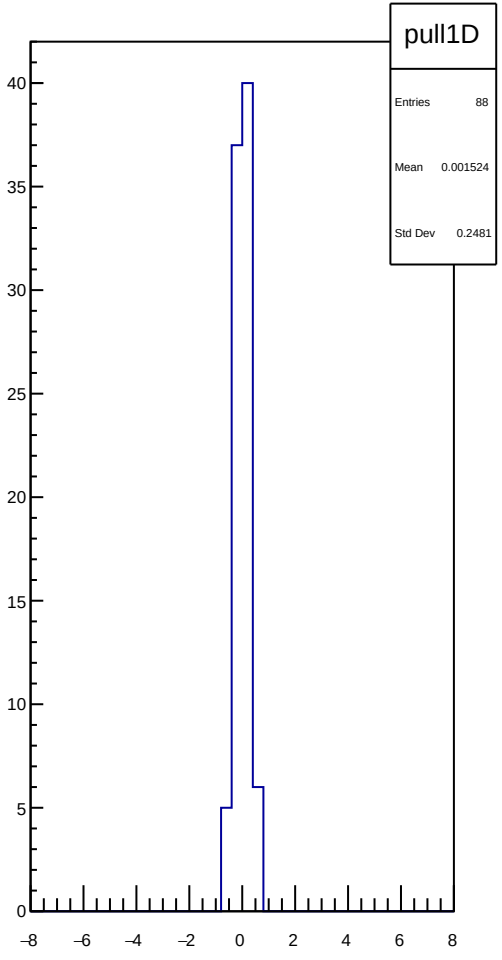

pull1D
Entries 88
Mean −0.004605
Std Dev 0.3428

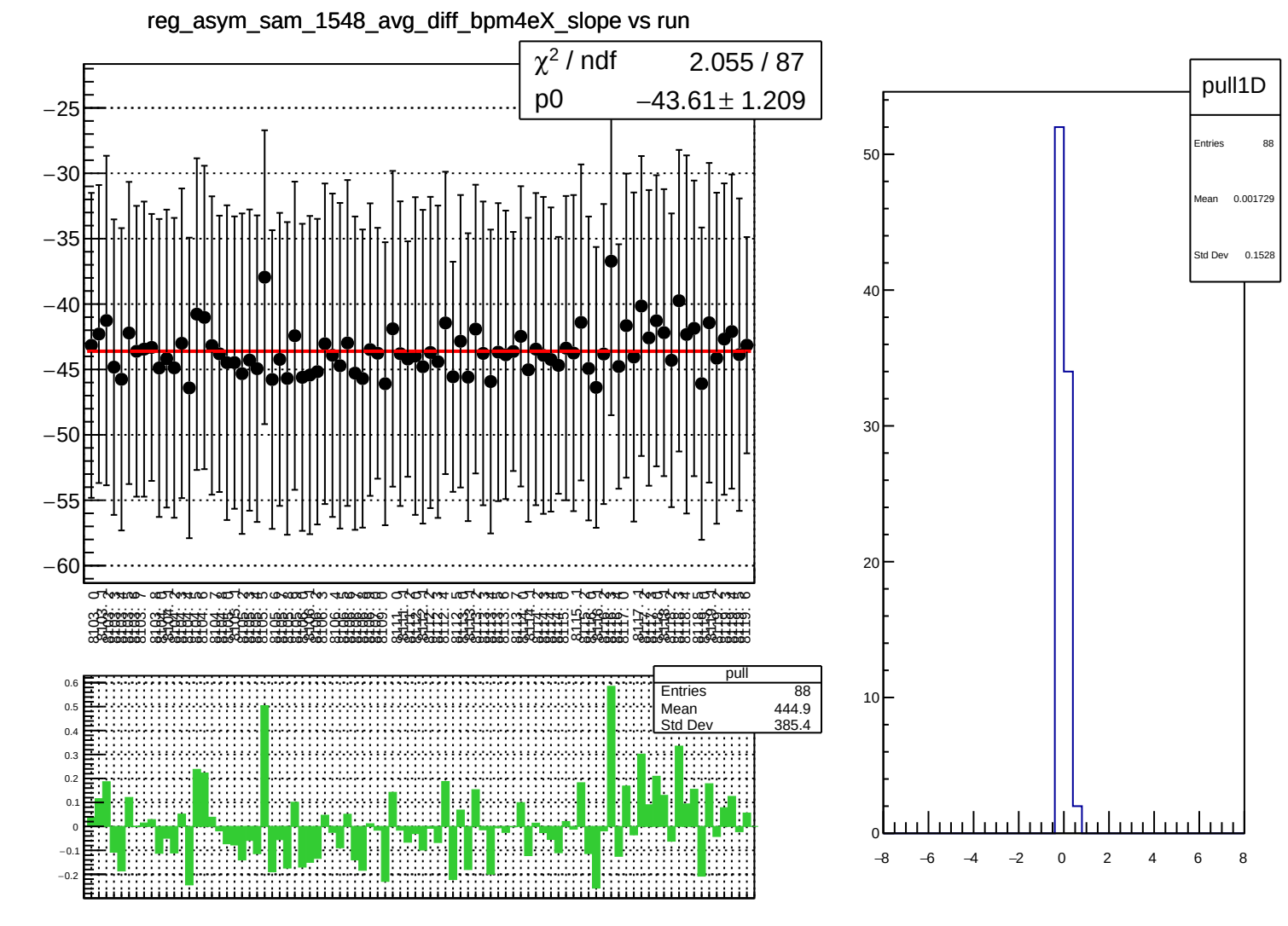

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.976 / 87
p0 1.382 ± 0.03707
pull
Entries 88
Mean 243.9
Std Dev 138.4
pull1D
Entries 88
Mean −0.002757
Std Dev 0.2378

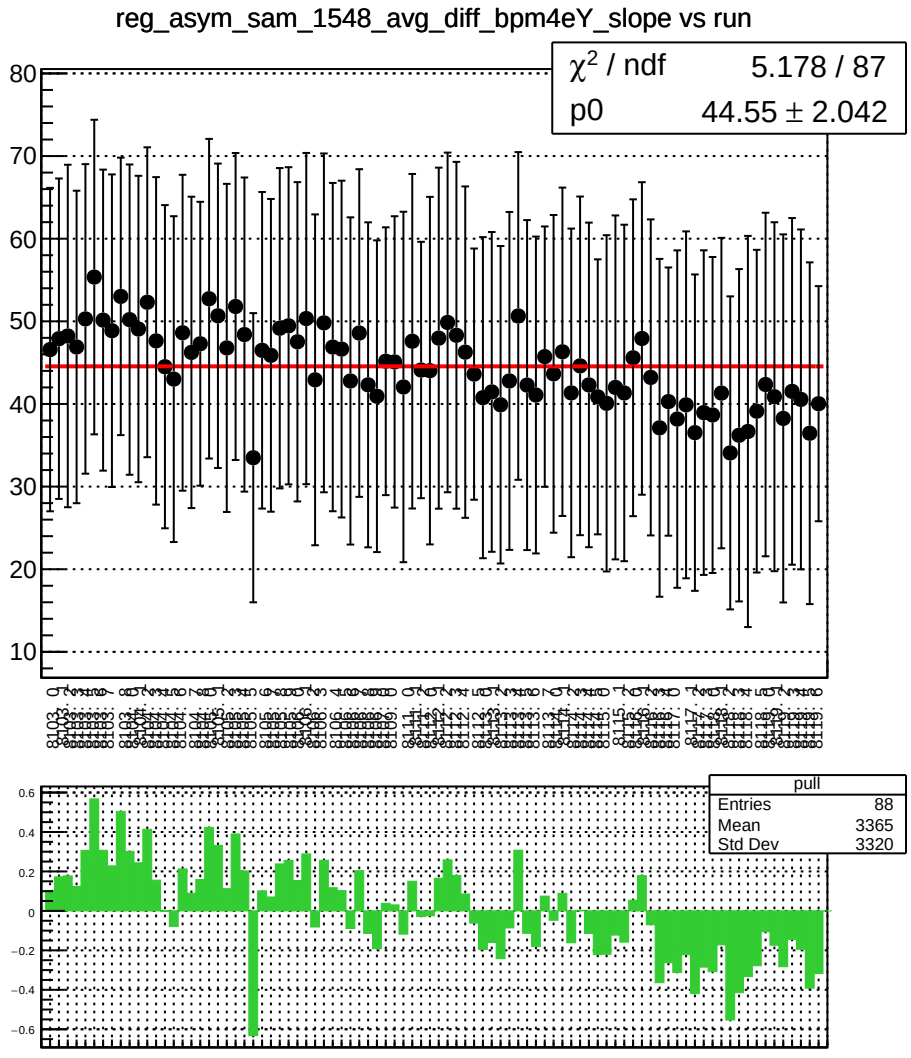

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 1.83 / 87
p0 −14.19 ± 1.272
pull
Entries 88
Mean 565.9
Std Dev 508.9

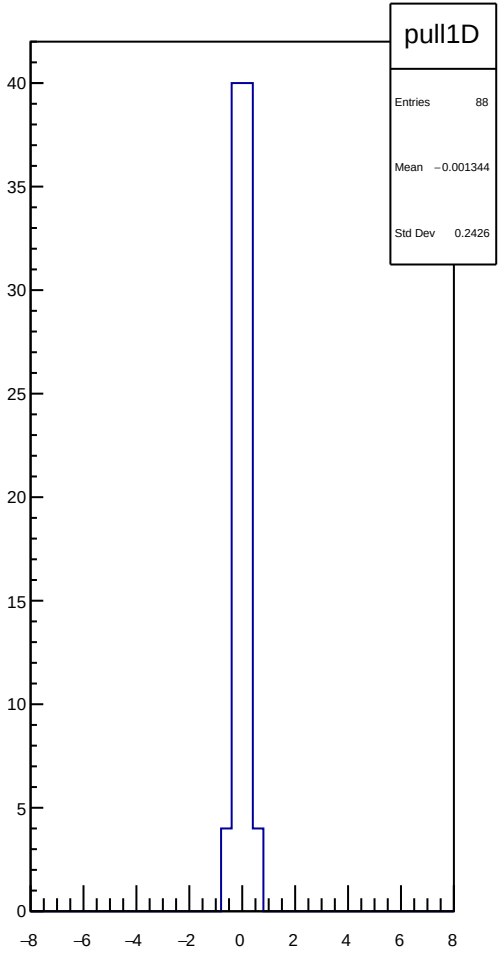

pull1D
Entries 88
Mean −0.00138
Std Dev 0.1442

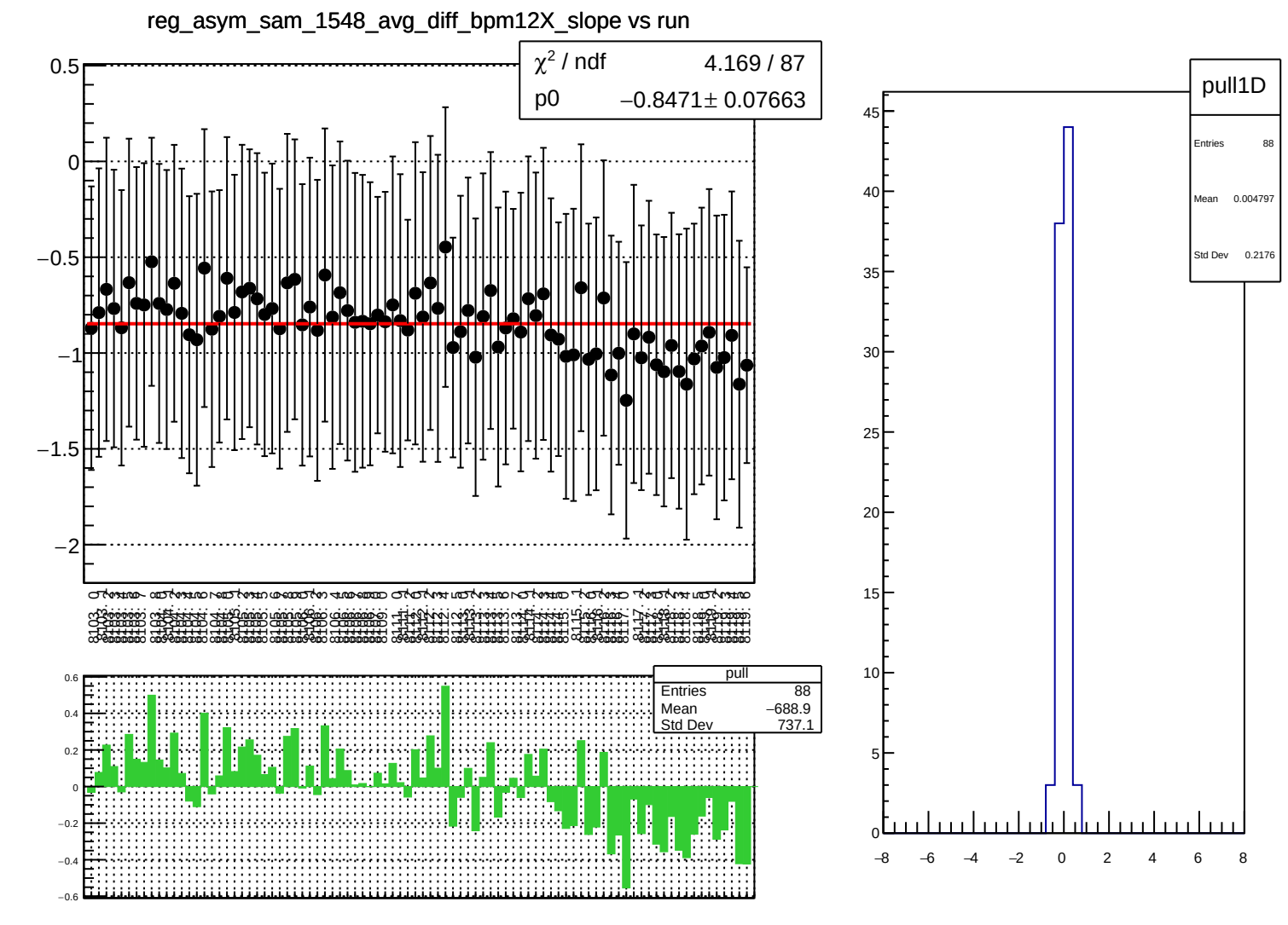

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.415 / 87
p0 40.9 ± 1.91
pull
Entries 88
Mean 3213
Std Dev 3167

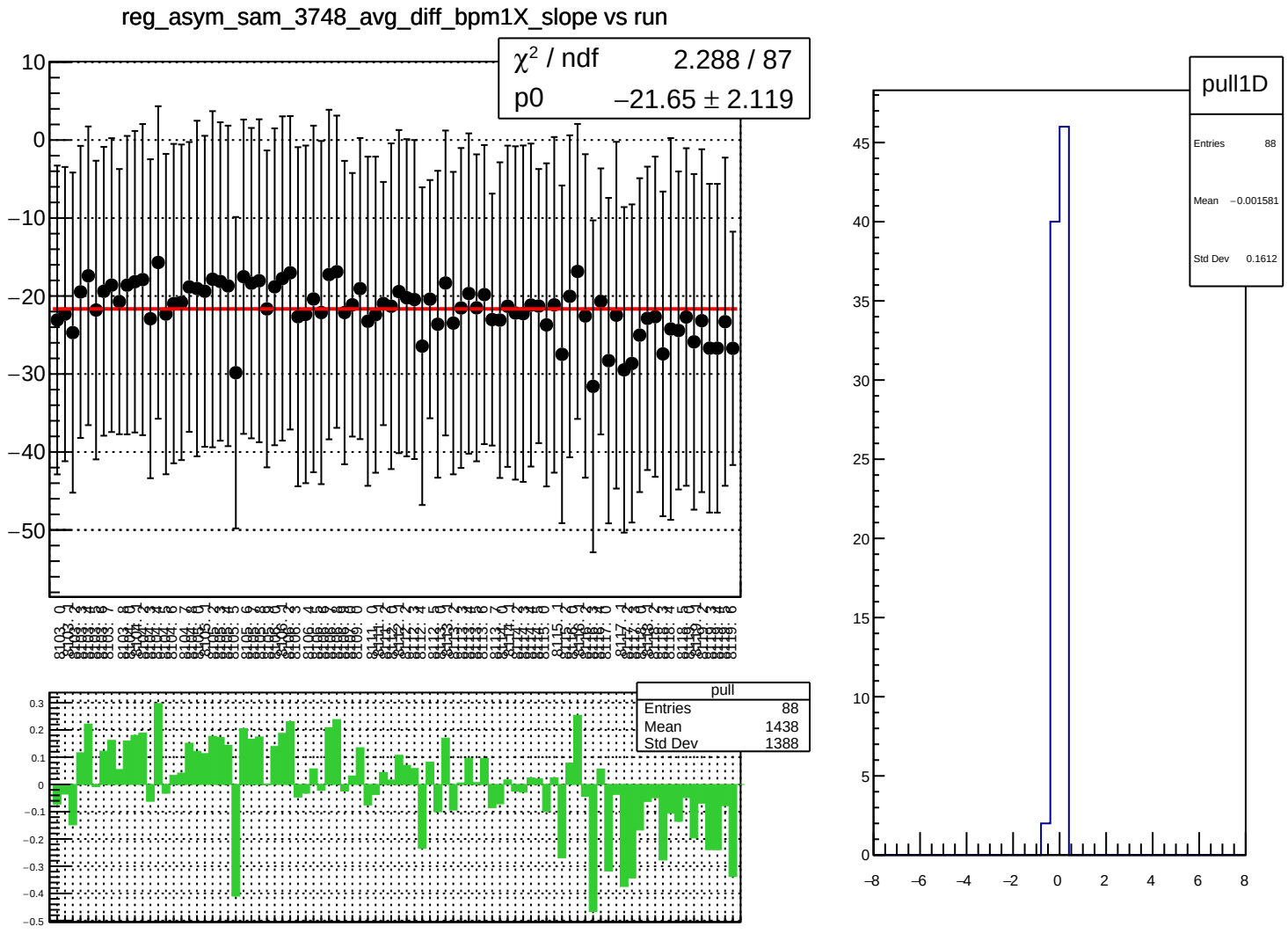

pull1D
Entries 88
Mean 0.001524
Std Dev 0.2481

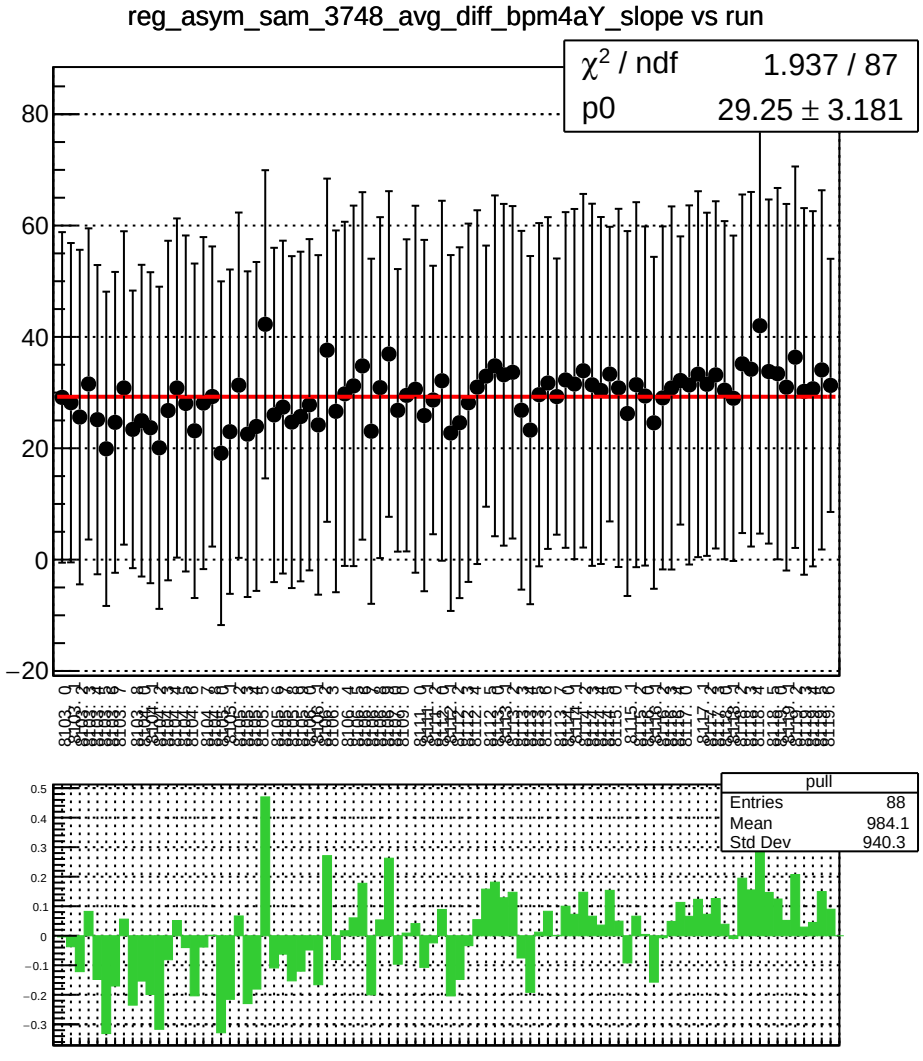

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.055 / 87
p0 −43.61 ± 1.209
pull
Entries 88
Mean 444.9
Std Dev 385.4
pull1D
Entries 88
Mean 0.001729
Std Dev 0.1528

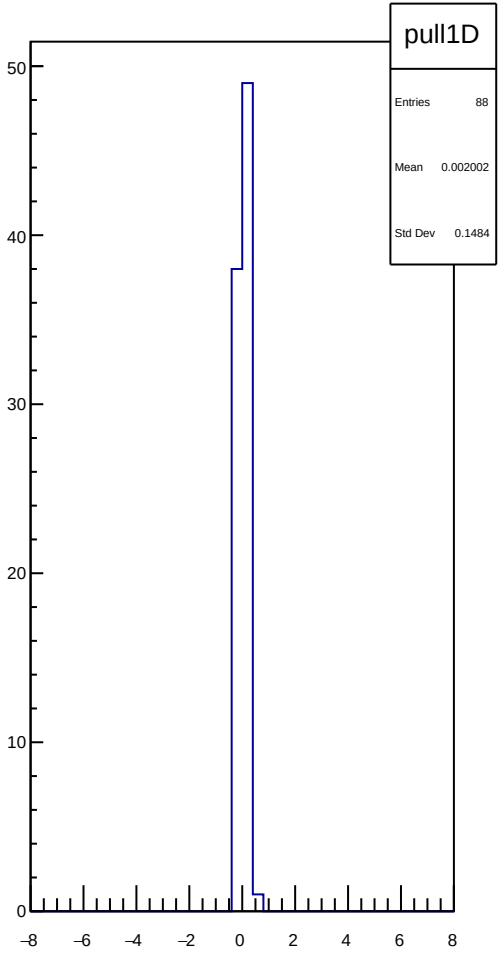

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.178 / 87
p0 44.55 ± 2.042
pull
Entries 88
Mean 3365
Std Dev 3320

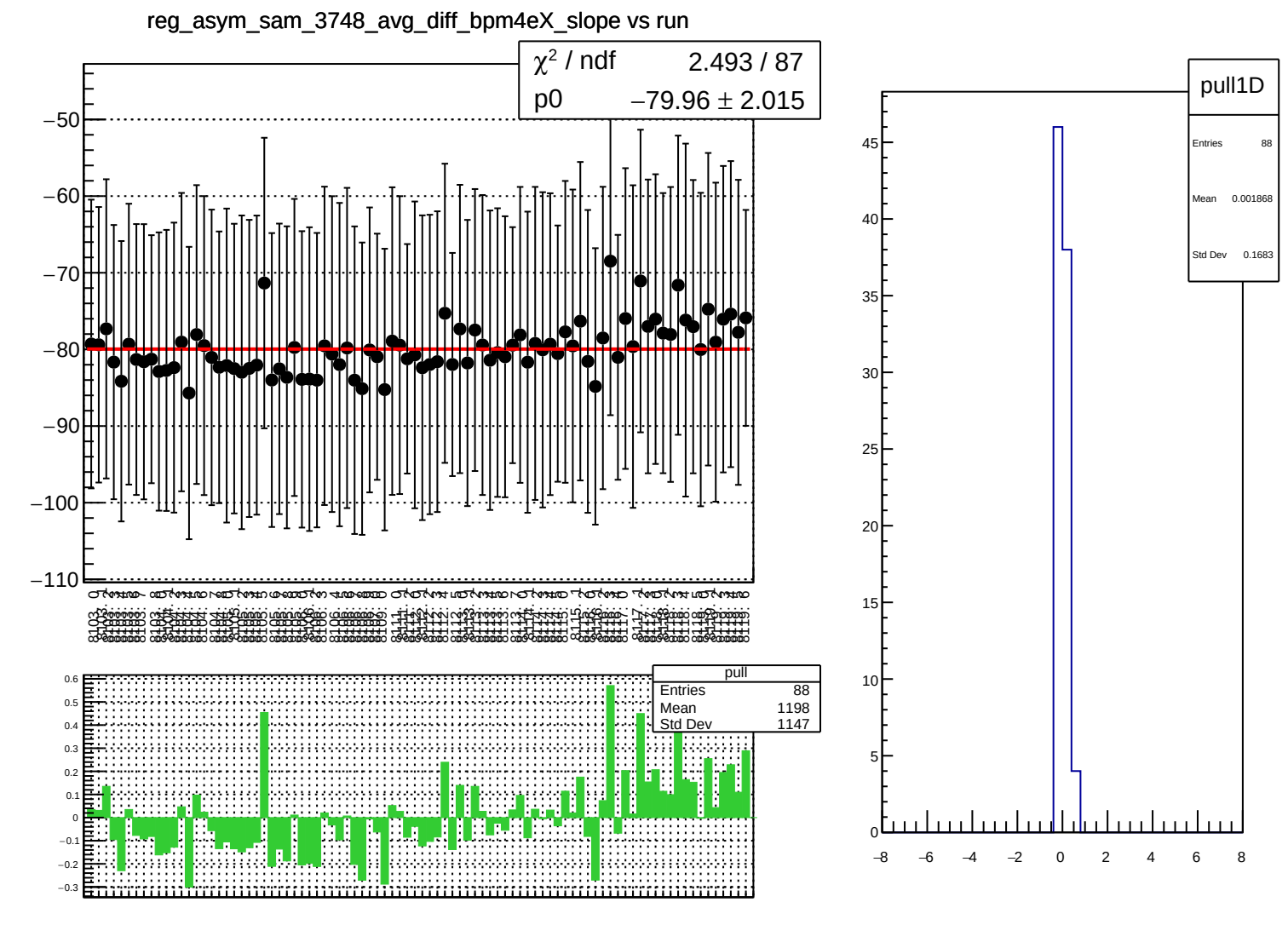

pull1D
Entries 88
Mean −0.001344
Std Dev 0.2426

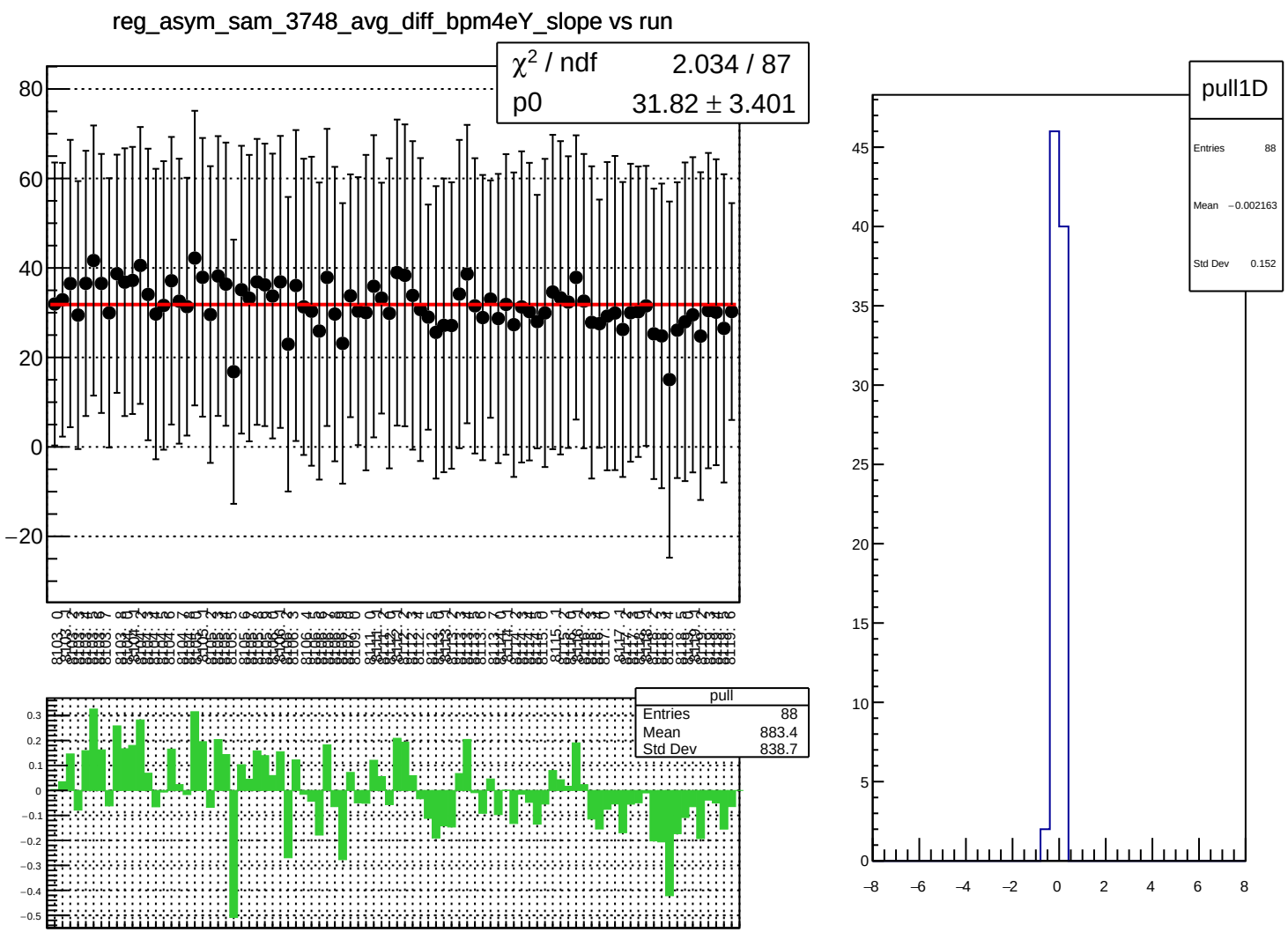

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 4.169 / 87
p0 −0.8471± 0.07663
pull
Entries 88
Mean −688.9
Std Dev 737.1
pull1D
Entries 88
Mean 0.004797
Std Dev 0.2176

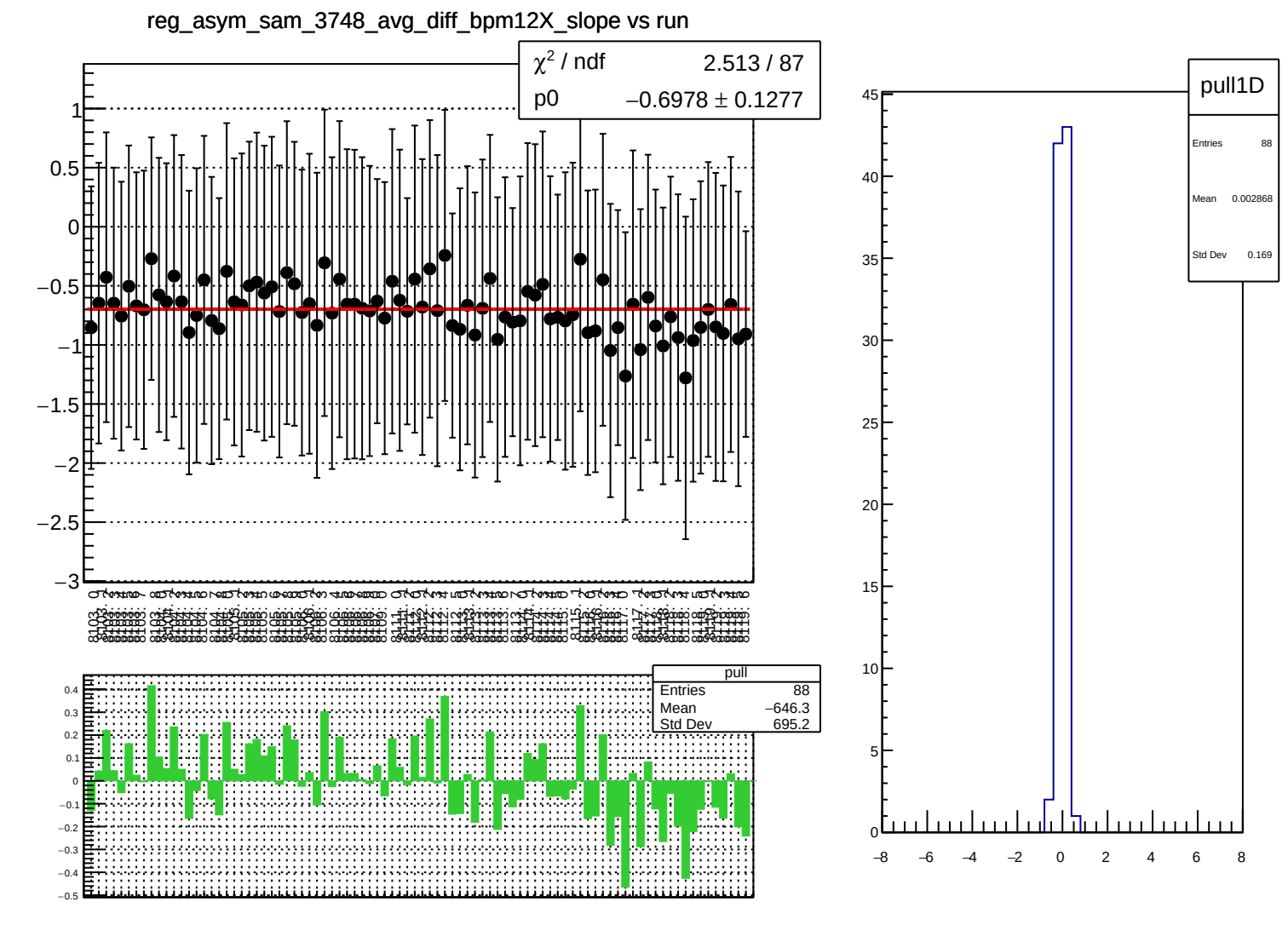

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 2.288 / 87
p0 −21.65 ± 2.119
pull
Entries 88
Mean 1438
Std Dev 1388
pull1D
Entries 88
Mean −0.001581
Std Dev 0.1612

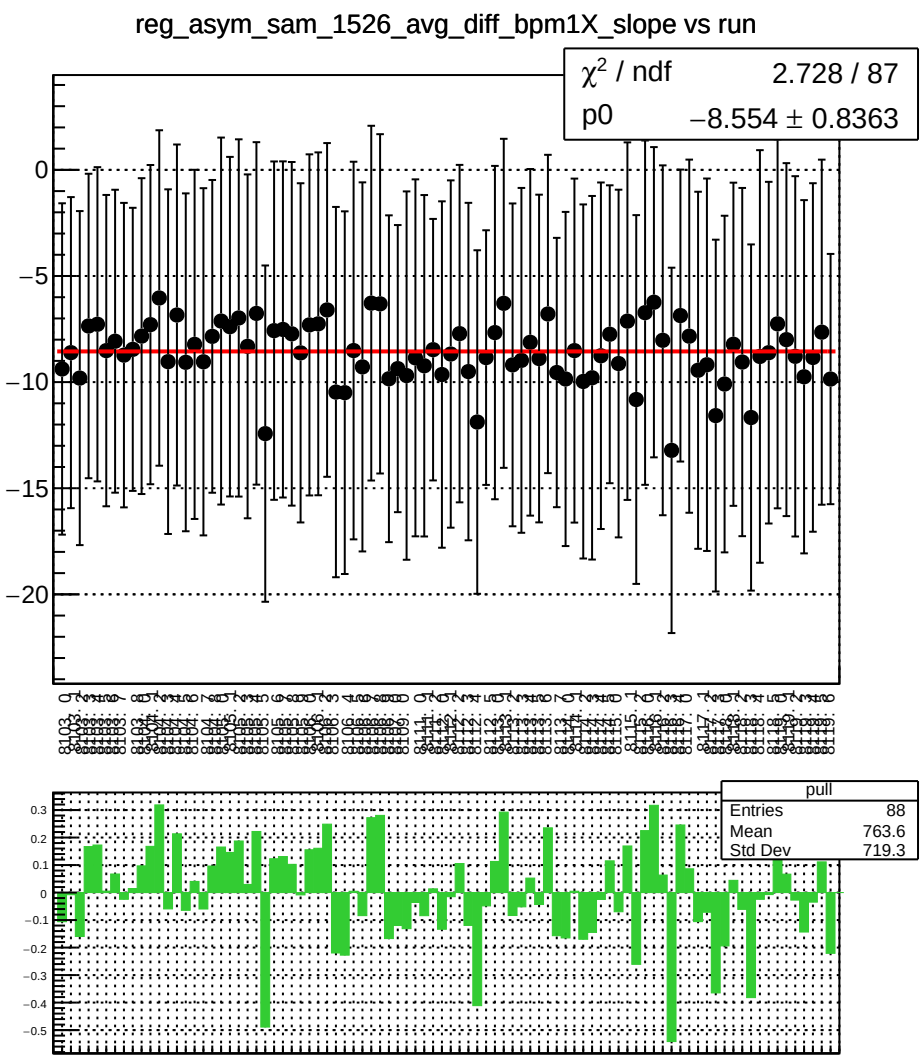

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.937 / 87
p0 29.25 ± 3.181
pull
Entries 88
Mean 984.1
Std Dev 940.3

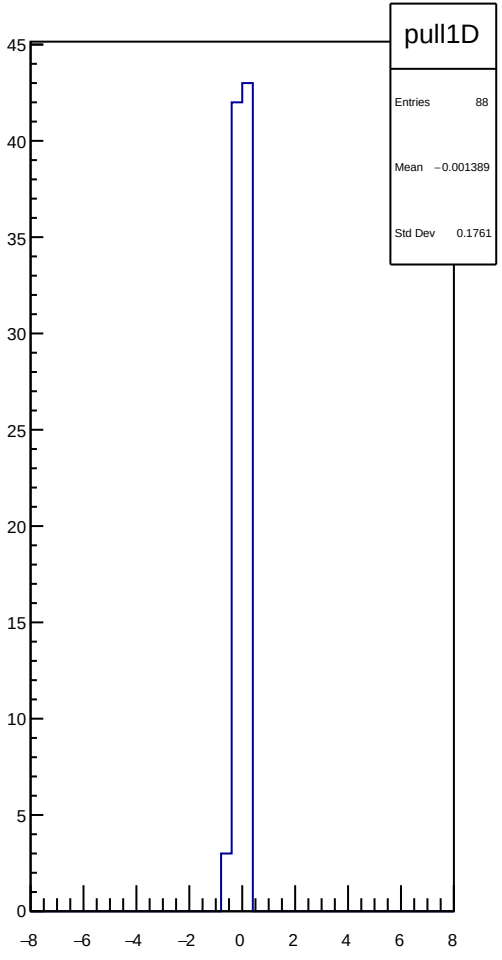

pull1D
Entries 88
Mean 0.002002
Std Dev 0.1484

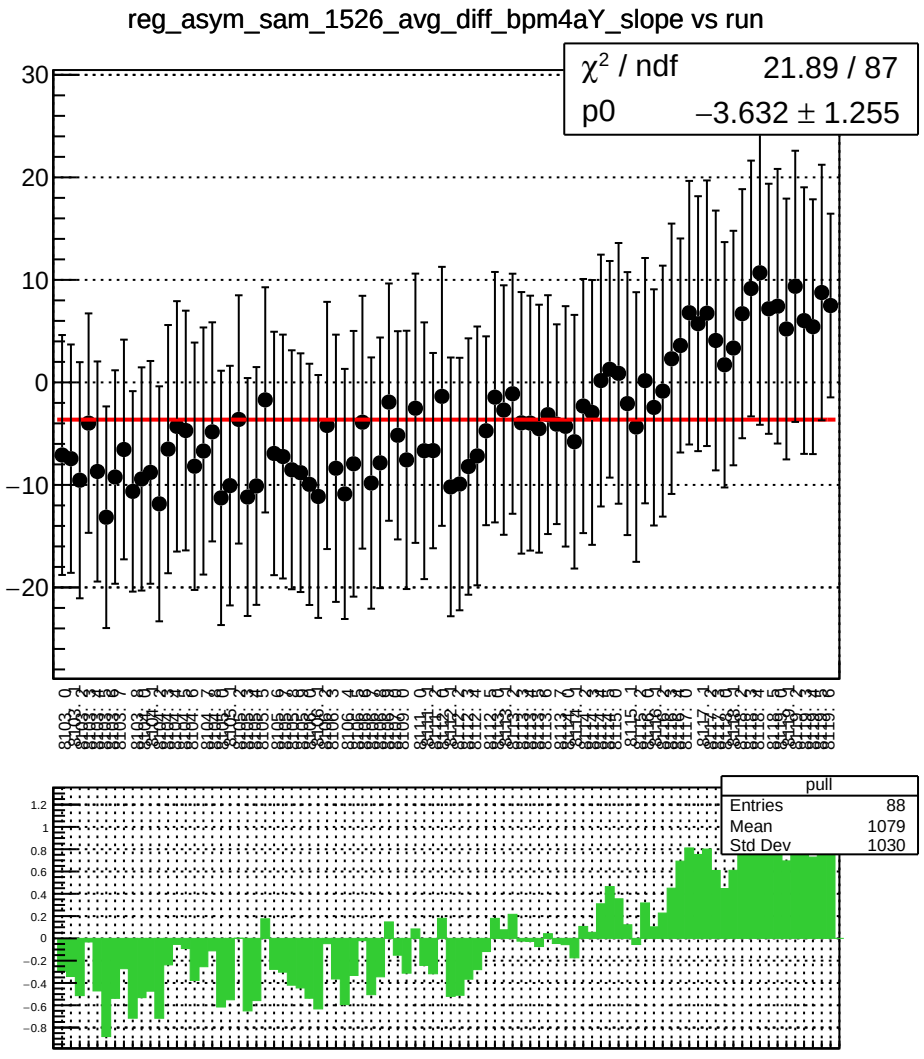

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.493 / 87
p0 −79.96 ± 2.015
pull
Entries 88
Mean 1198
Std Dev 1147
pull1D
Entries 88
Mean 0.001868
Std Dev 0.1683

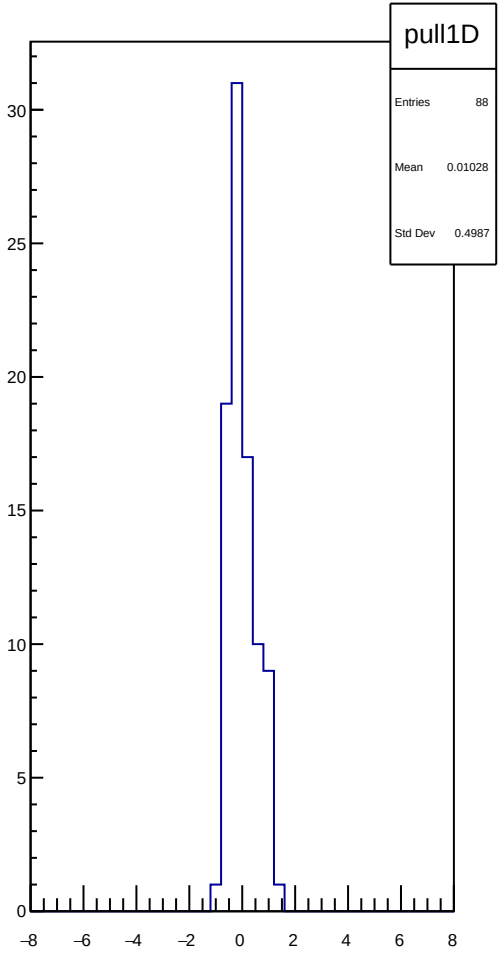

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.034 / 87
p0 31.82 ± 3.401
pull
Entries 88
Mean 883.4
Std Dev 838.7
pull1D
Entries 88
Mean −0.002163
Std Dev 0.152

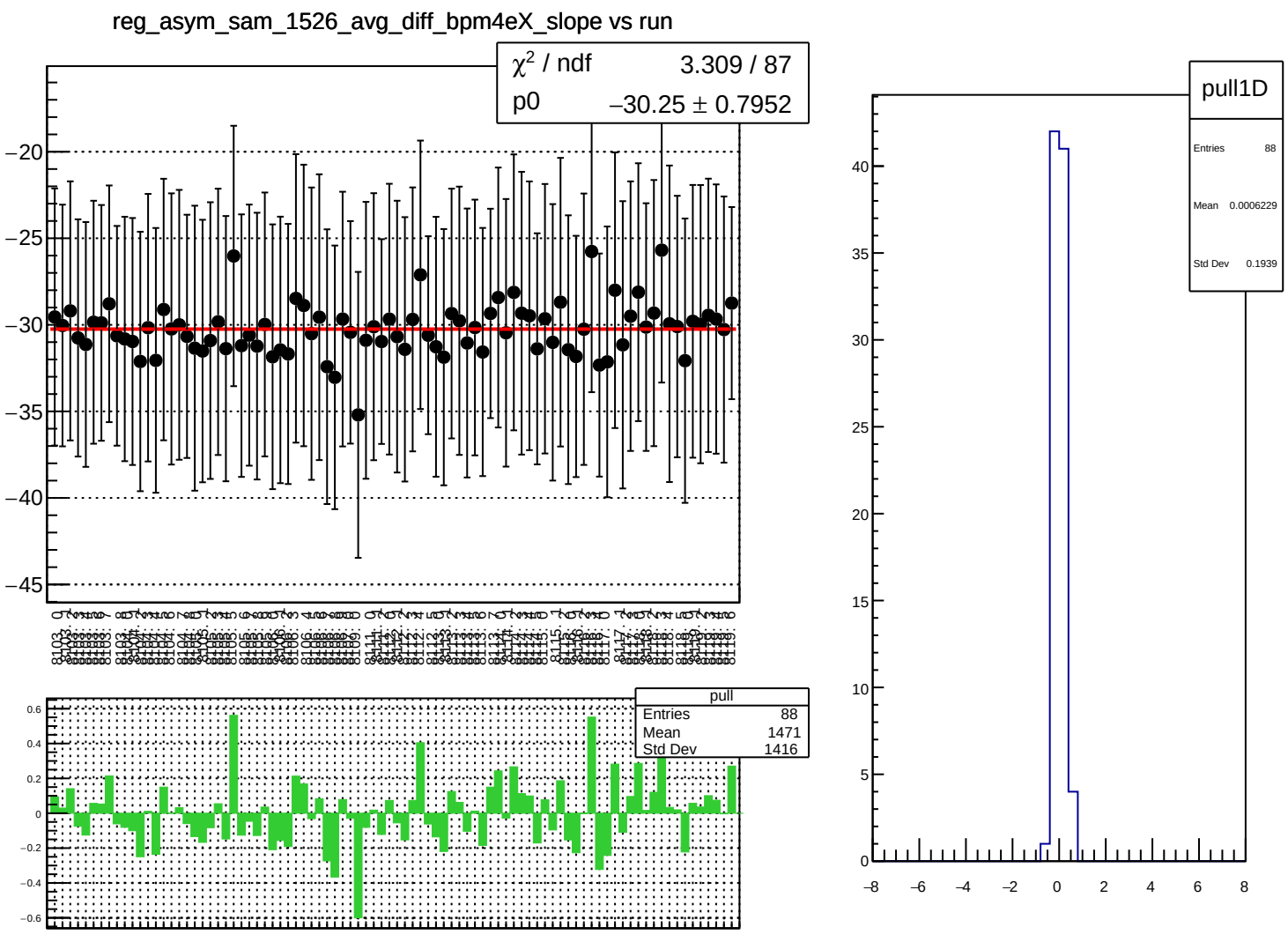

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.513 / 87
p0 −0.6978 ± 0.1277
pull
Entries 88
Mean −646.3
Std Dev 695.2
pull1D
Entries 88
Mean 0.002868
Std Dev 0.169

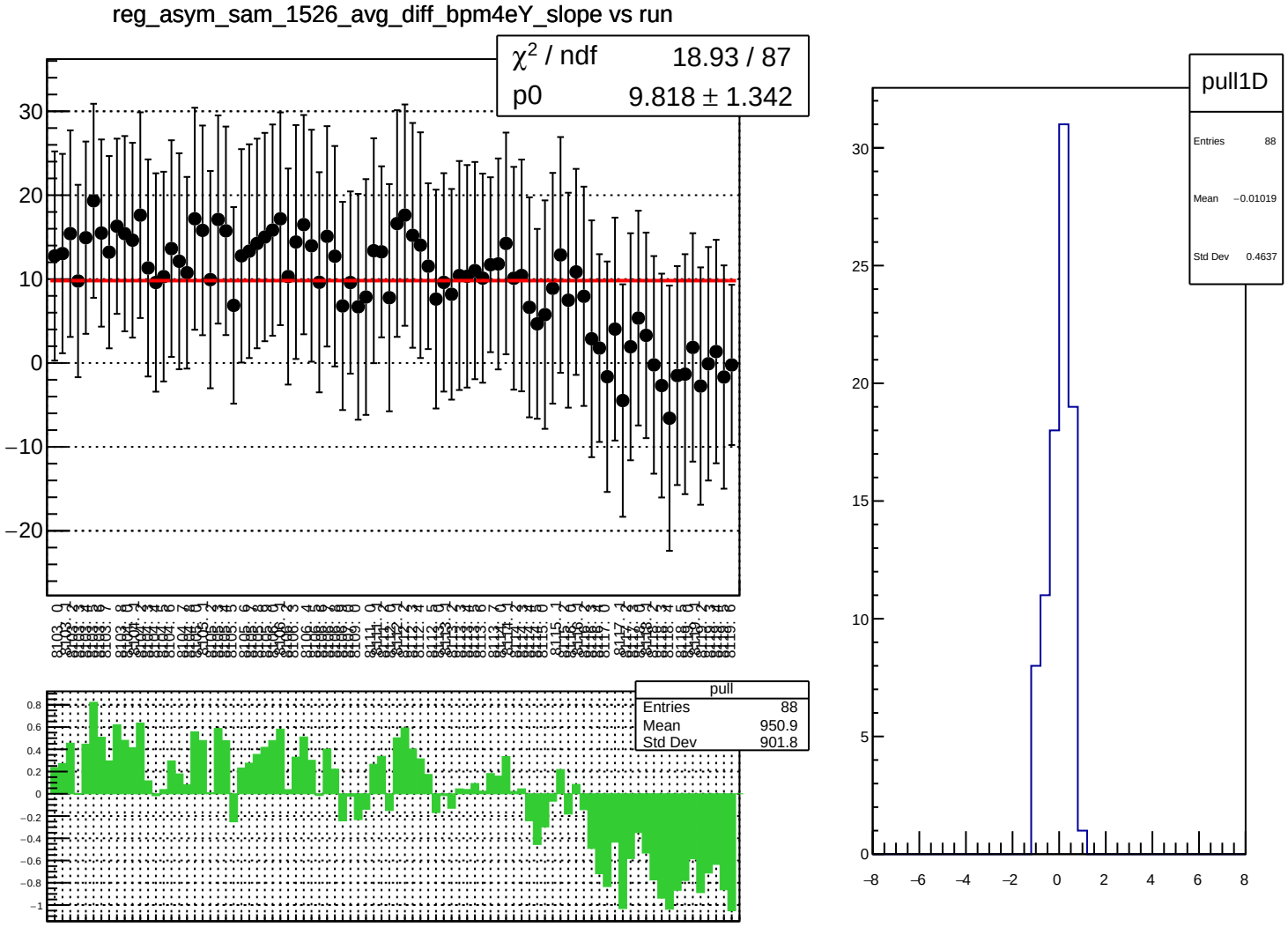

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 2.728 / 87
p0 −8.554 ± 0.8363
pull
Entries 88
Mean 763.6
Std Dev 719.3

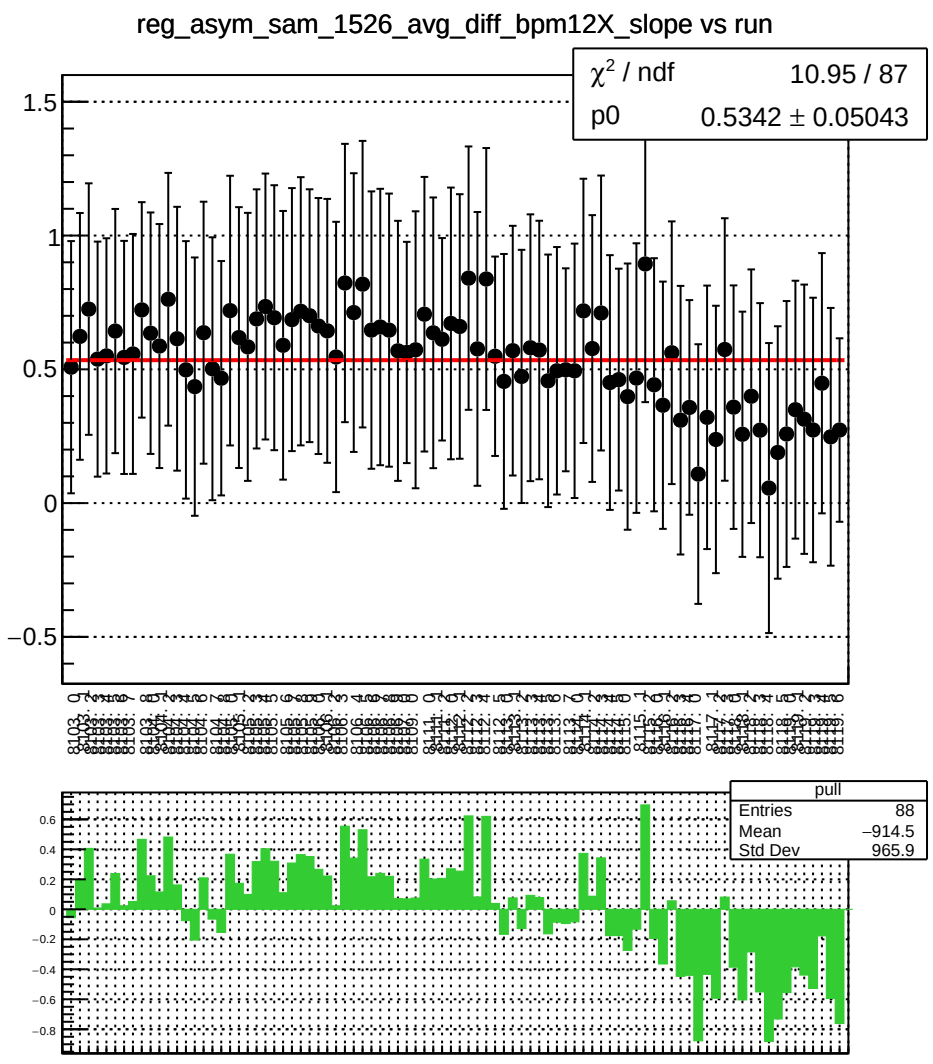

pull1D
Entries 88
Mean −0.001389
Std Dev 0.1761

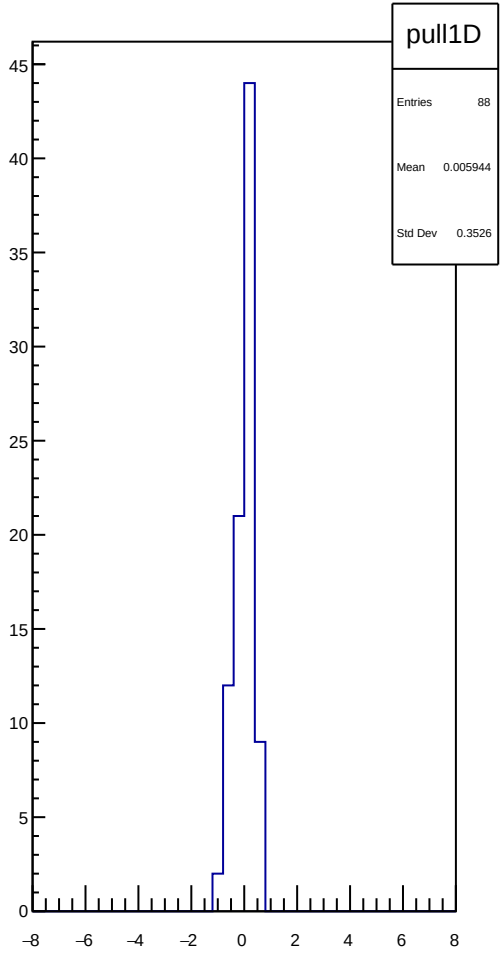

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.89 / 87
p0 −3.632 ± 1.255
pull
Entries 88
Mean 1079
Std Dev 1030

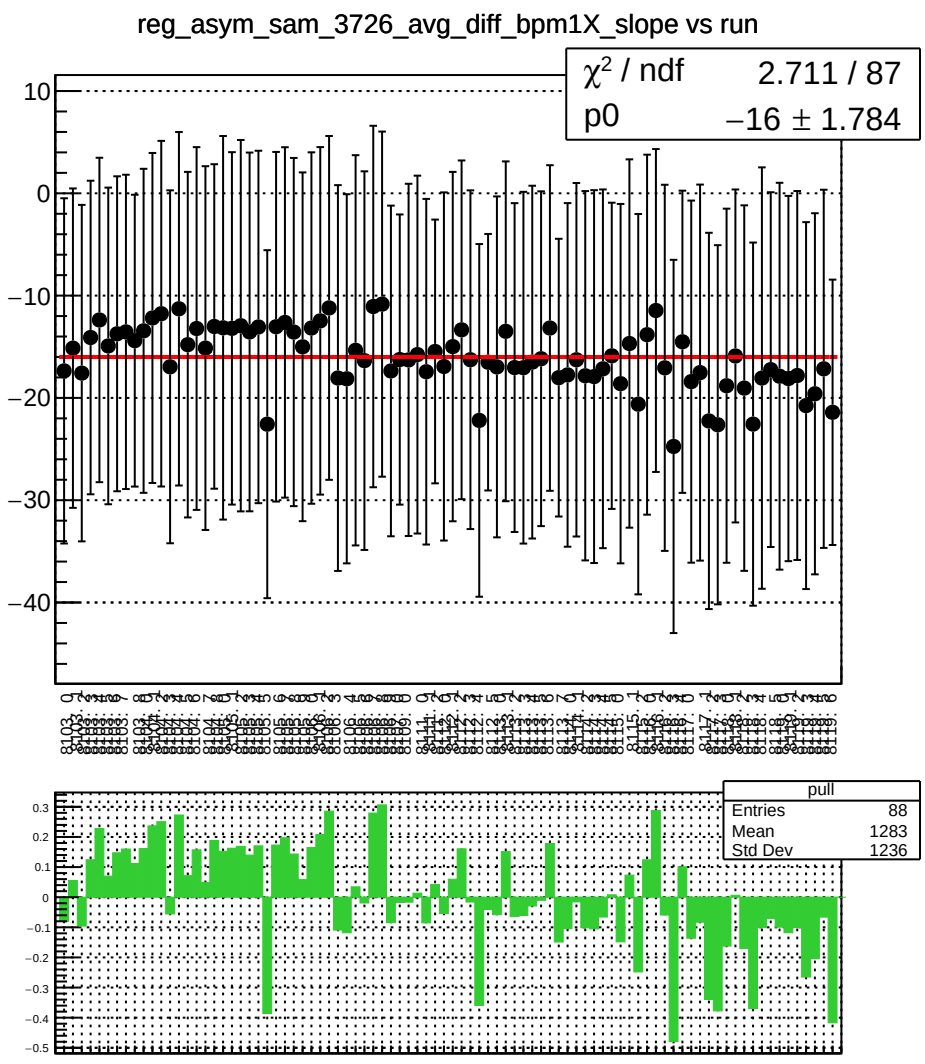

pull1D
Entries 88
Mean 0.01028
Std Dev 0.4987

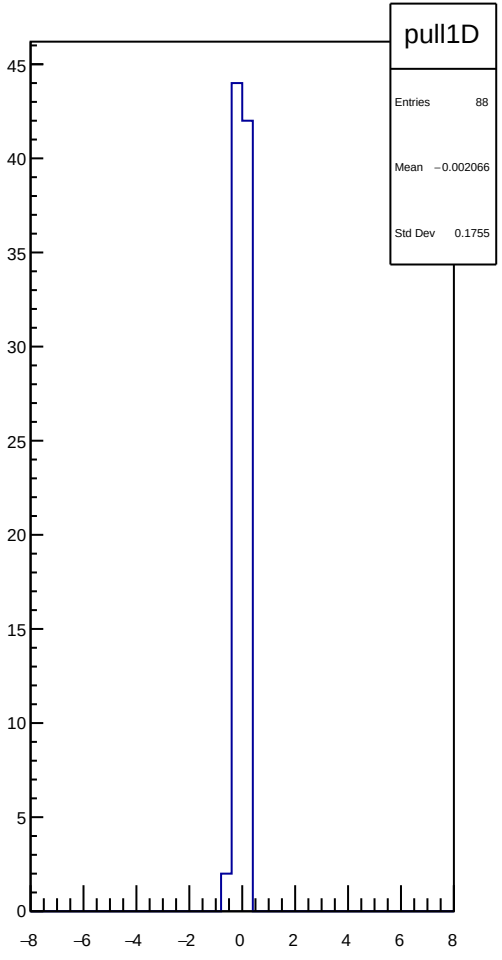

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.309 / 87
p0 −30.25 ± 0.7952
pull
Entries 88
Mean 1471
Std Dev 1416
pull1D
Entries 88
Mean 0.0006229
Std Dev 0.1939

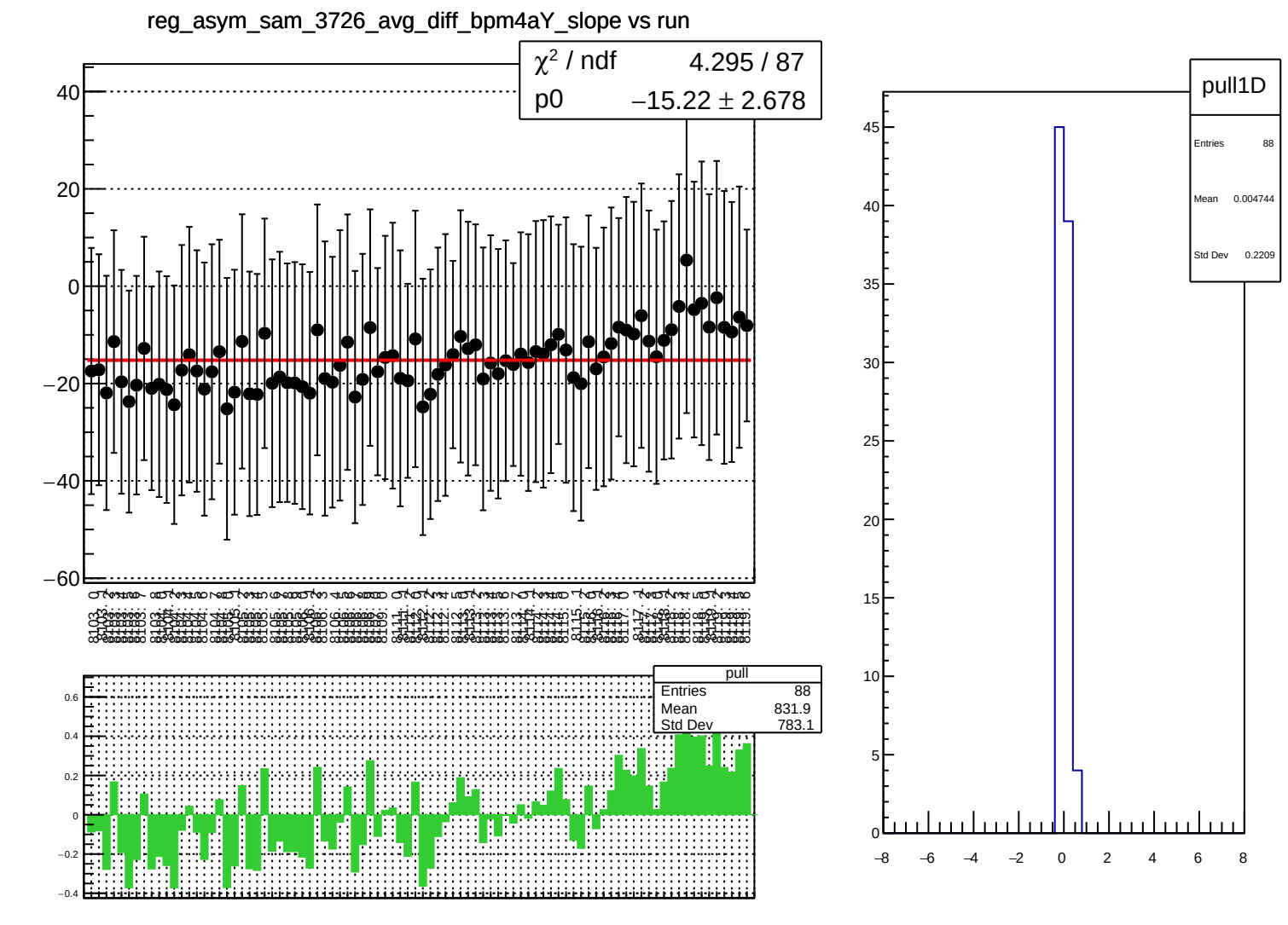

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.93 / 87
p0 9.818 ± 1.342
pull
Entries 88
Mean 950.9
Std Dev 901.8
pull1D
Entries 88
Mean −0.01019
Std Dev 0.4637

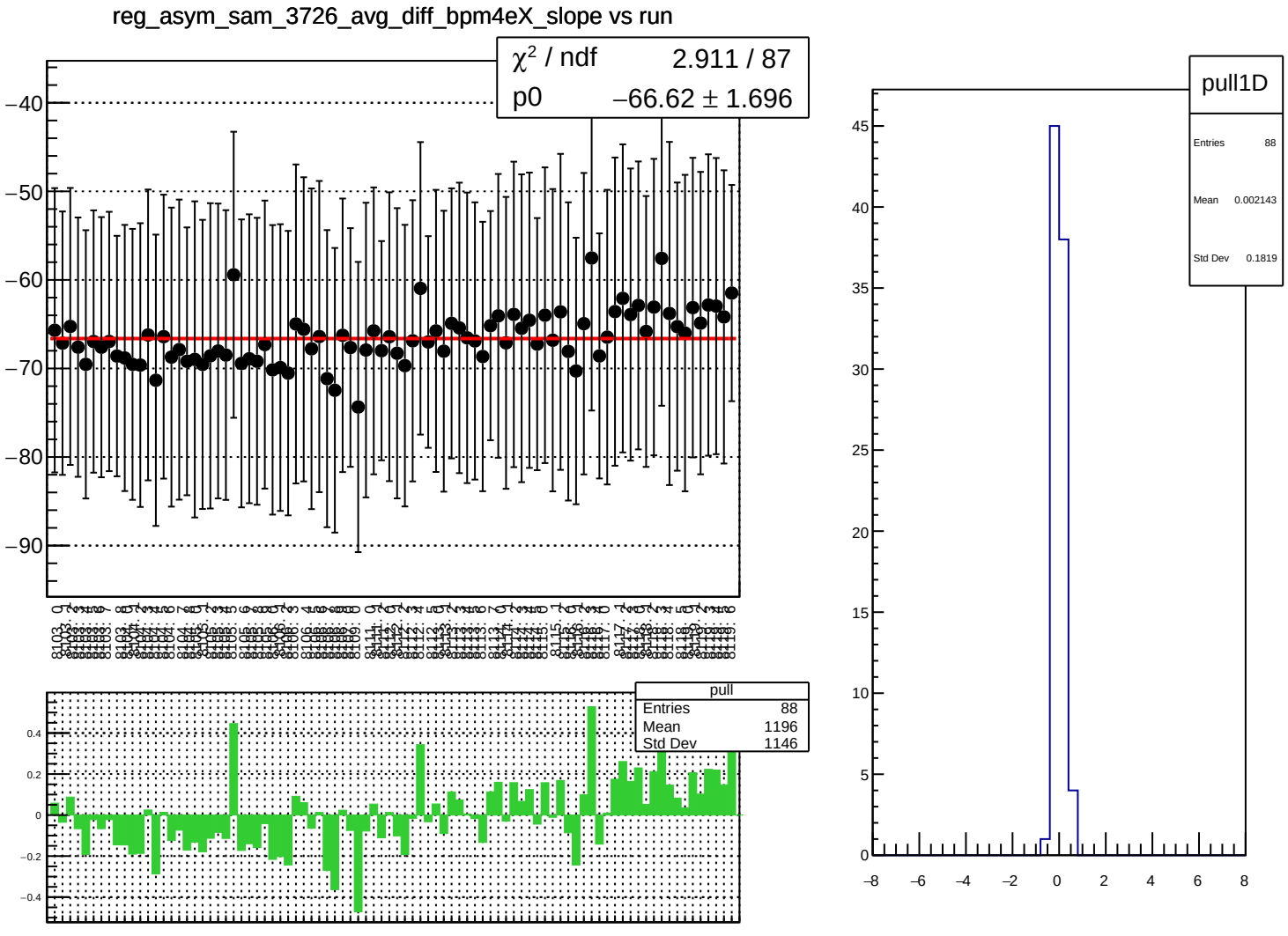

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 10.95 / 87
p0 0.5342 ± 0.05043
1.5
1
0.5
0
−0.5
pull
Entries 88
Mean −914.5
Std Dev 965.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

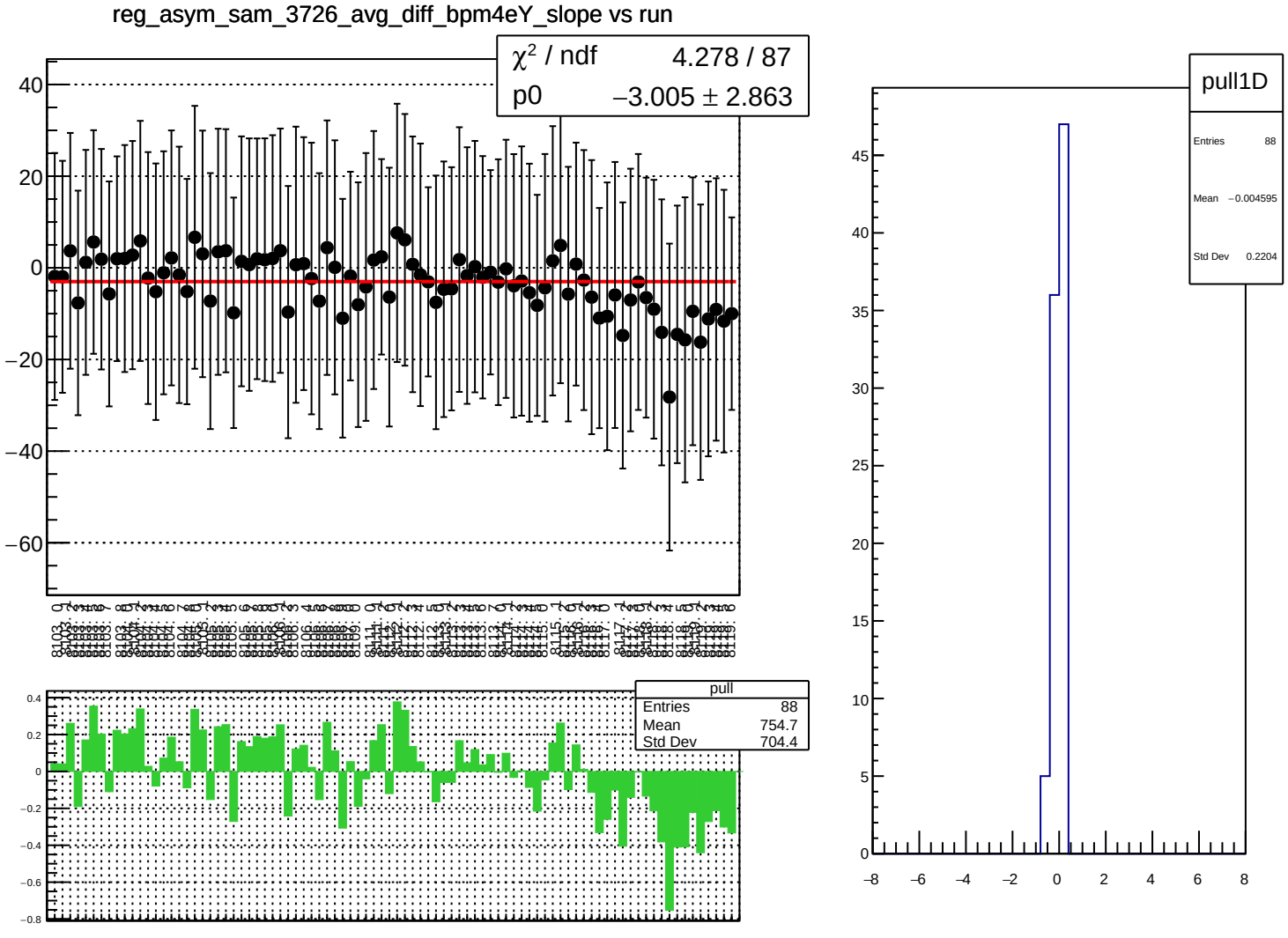

pull1D
Entries 88
Mean 0.005944
Std Dev 0.3526
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

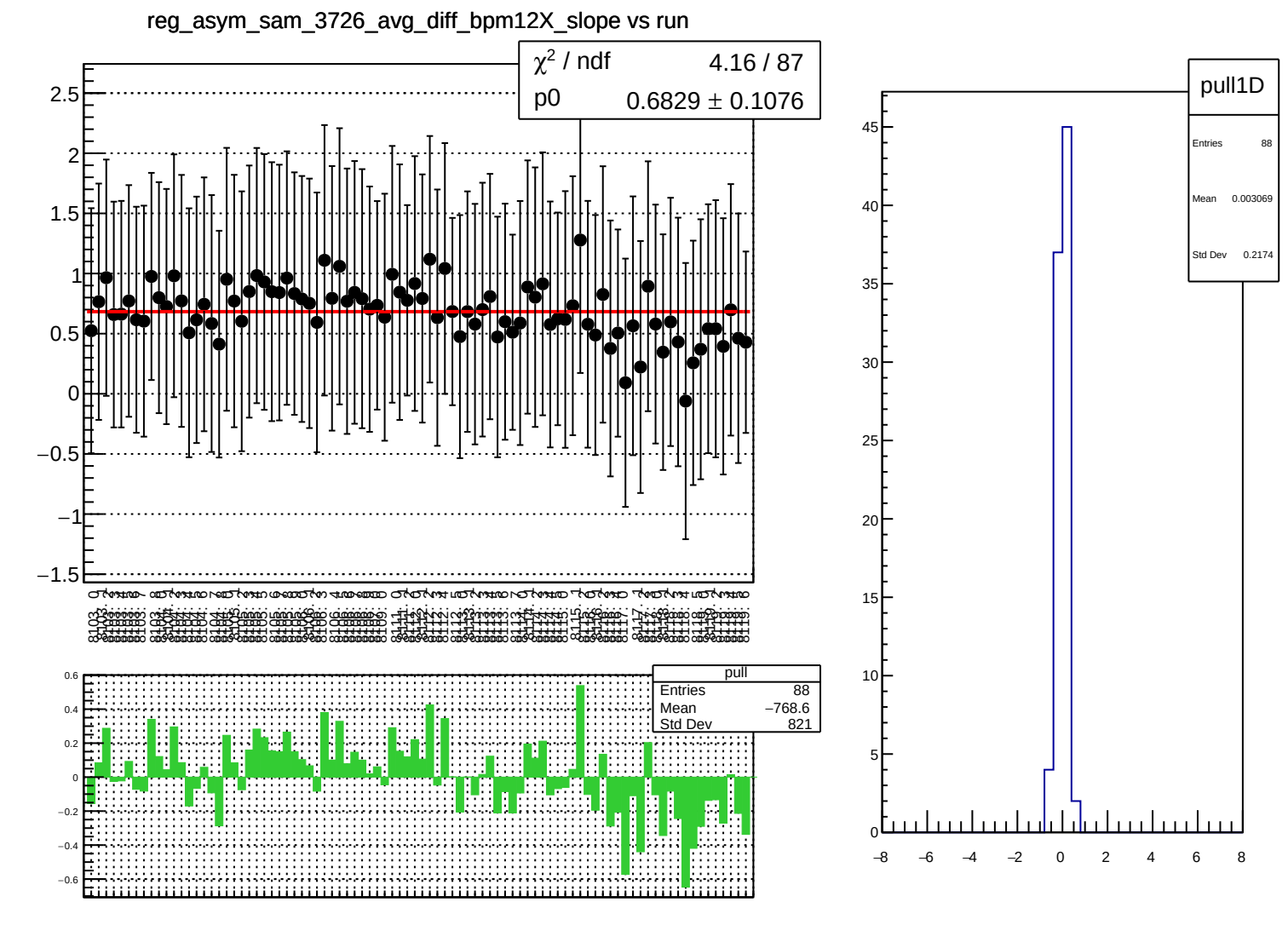

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 2.711 / 87
p0 −16 ± 1.784
pull
Entries 88
Mean 1283
Std Dev 1236

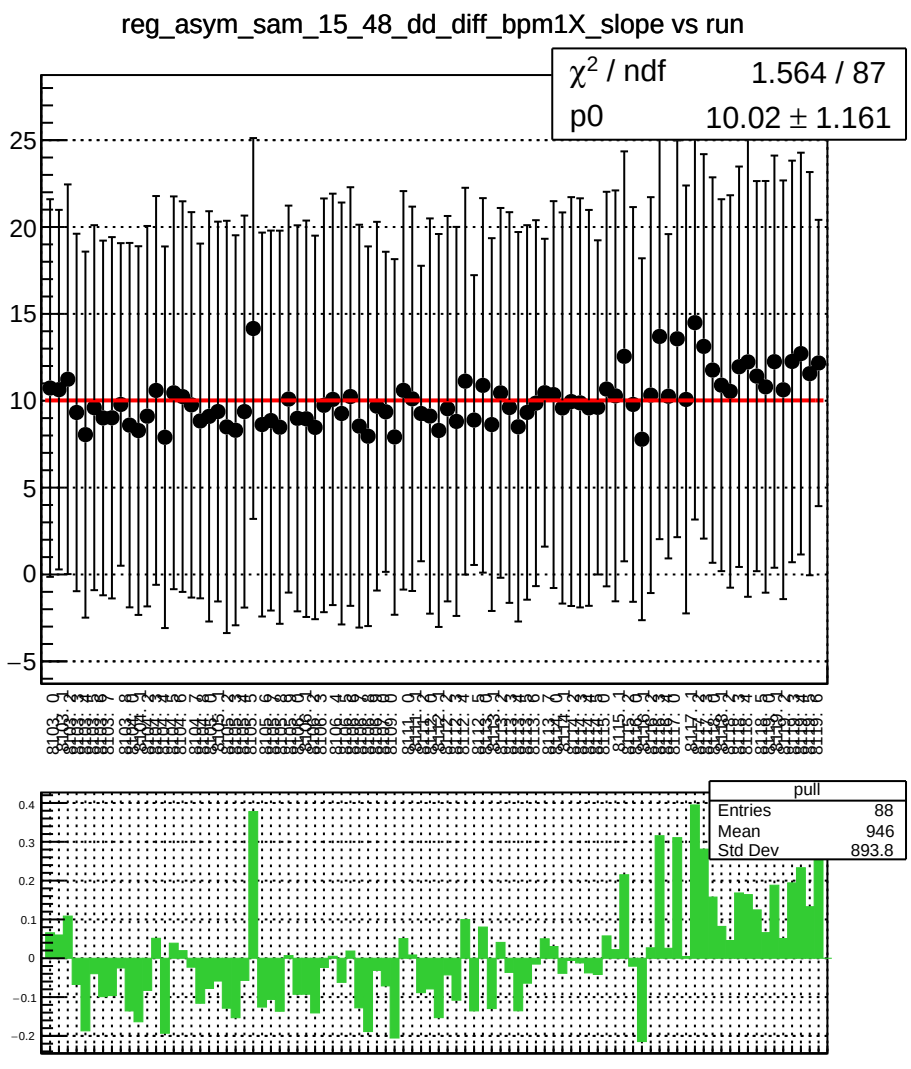

pull1D
Entries 88
Mean −0.002066
Std Dev 0.1755

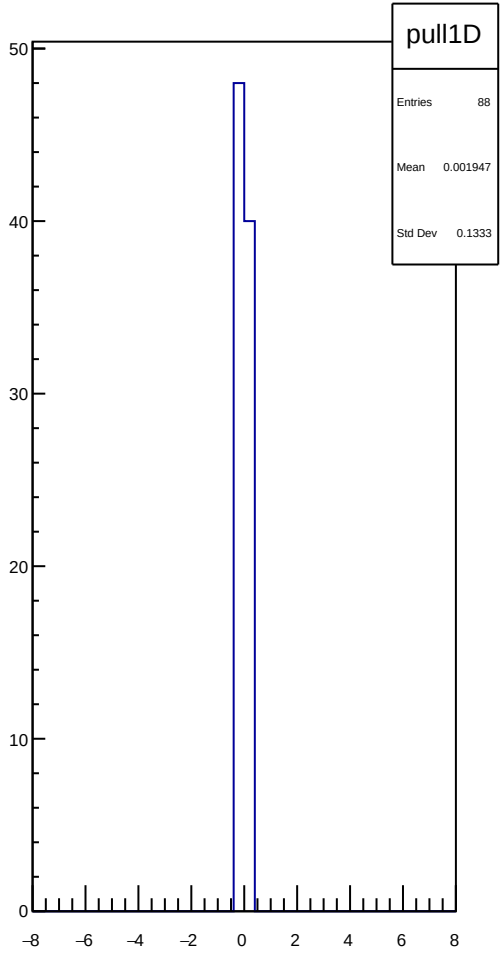

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.295 / 87
p0 −15.22 ± 2.678
pull
Entries 88
Mean 831.9
Std Dev 783.1
pull1D
Entries 88
Mean 0.004744
Std Dev 0.2209

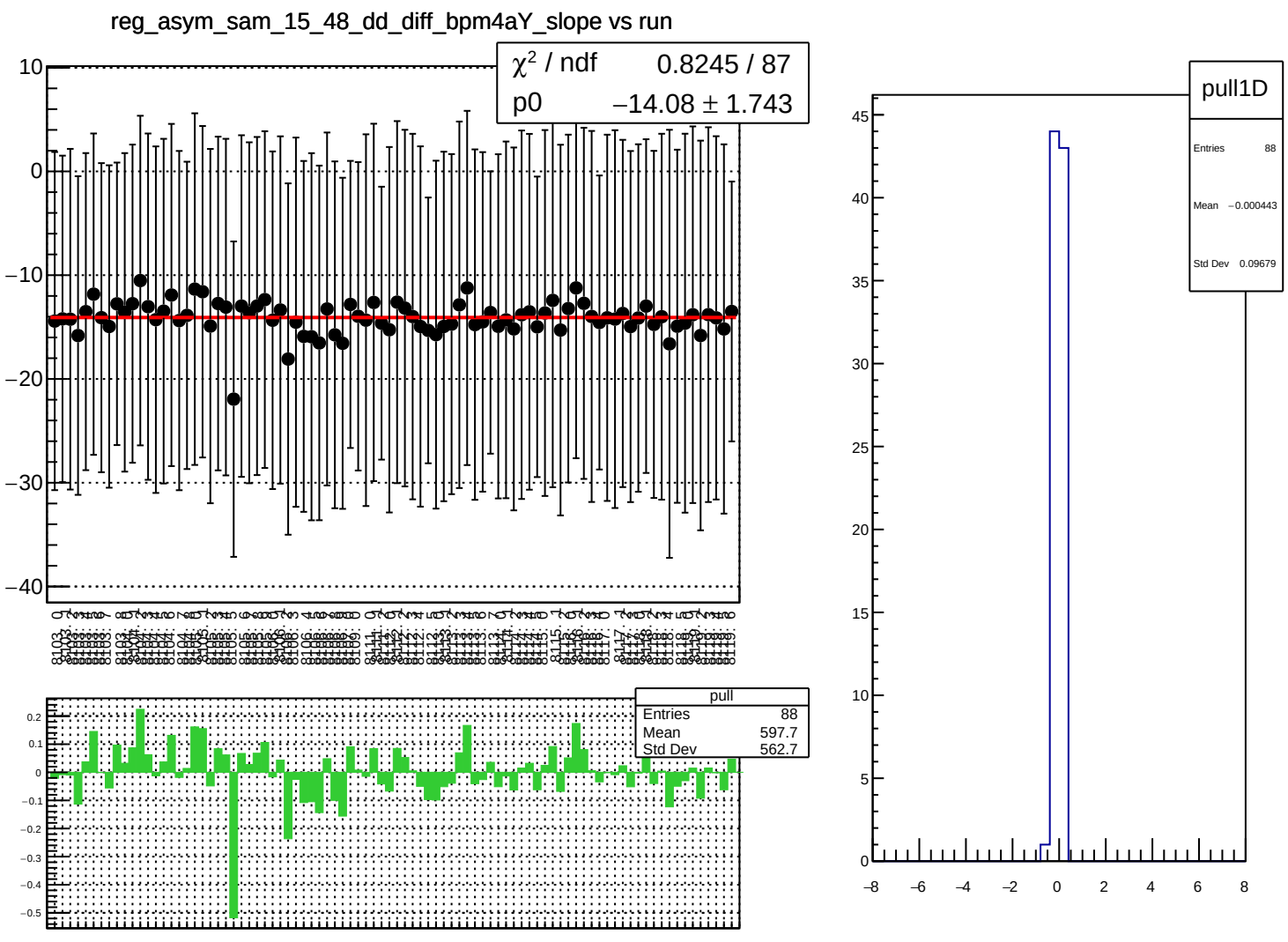

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.911 / 87
p0 −66.62 ± 1.696
pull
Entries 88
Mean 1196
Std Dev 1146
pull1D
Entries 88
Mean 0.002143
Std Dev 0.1819

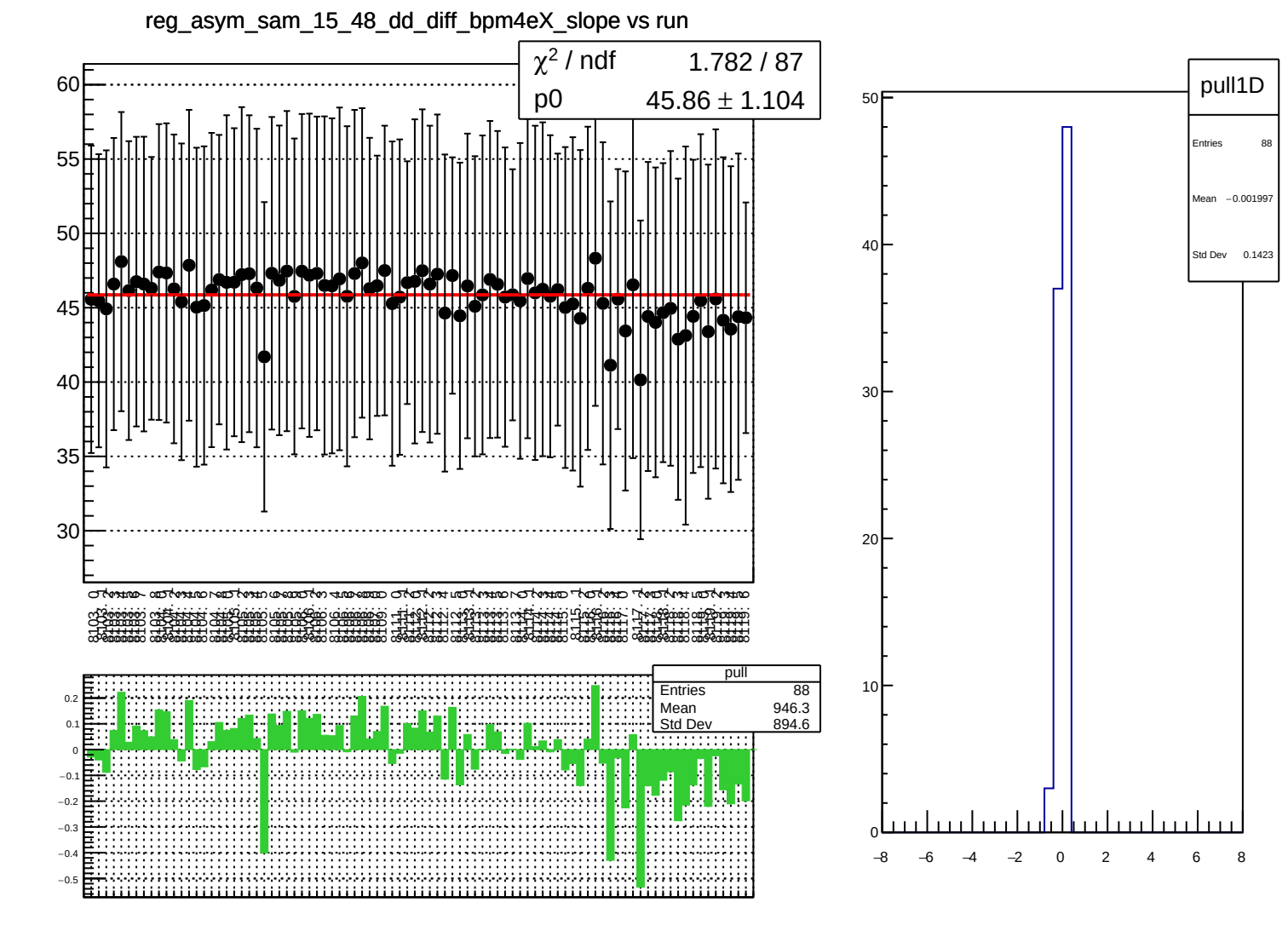

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.278 / 87
p0 −3.005 ± 2.863
pull
Entries 88
Mean 754.7
Std Dev 704.4
pull1D
Entries 88
Mean −0.004595
Std Dev 0.2204

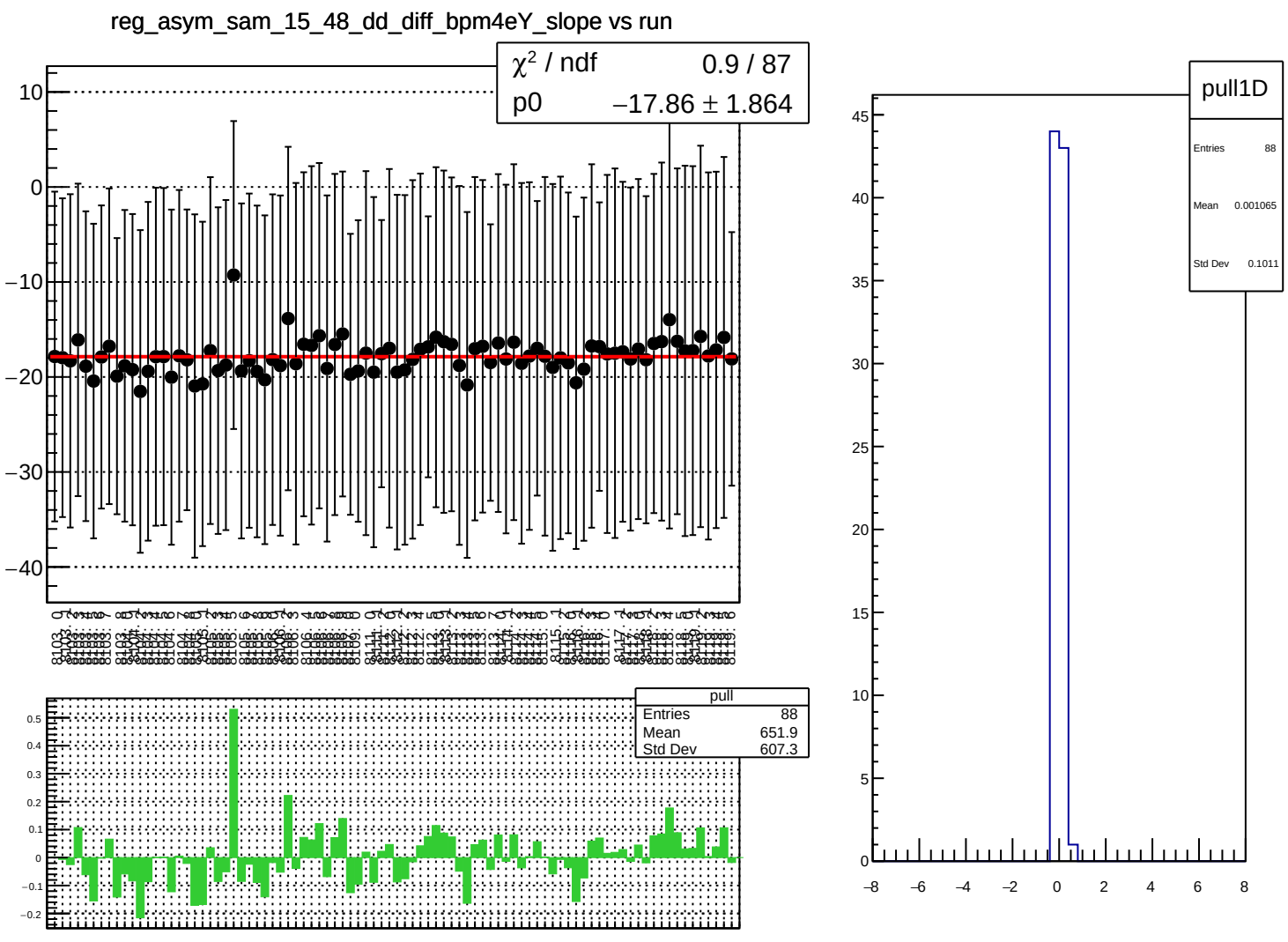

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 4.16 / 87
p0 0.6829 ± 0.1076
pull
Entries 88
Mean −768.6
Std Dev 821
pull1D
Entries 88
Mean 0.003069
Std Dev 0.2174

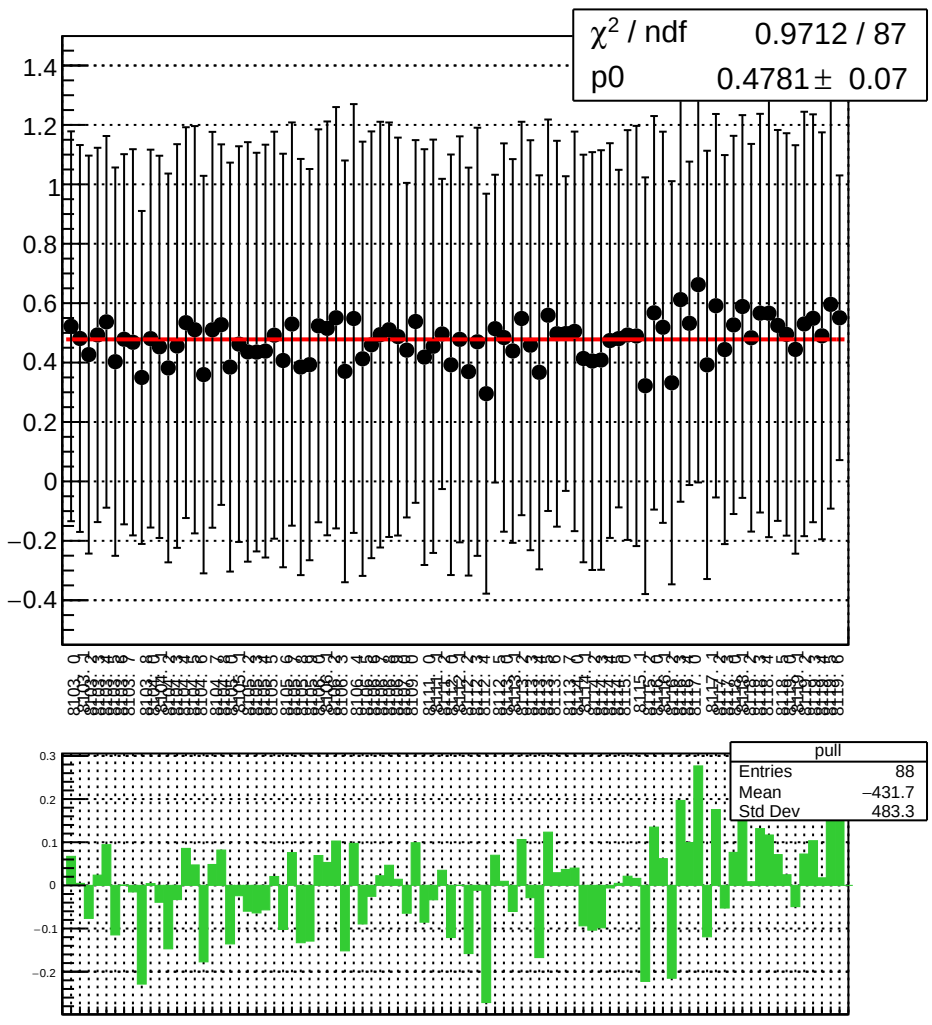

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.564 / 87
p0 10.02 ± 1.161
pull
Entries 88
Mean 946
Std Dev 893.8

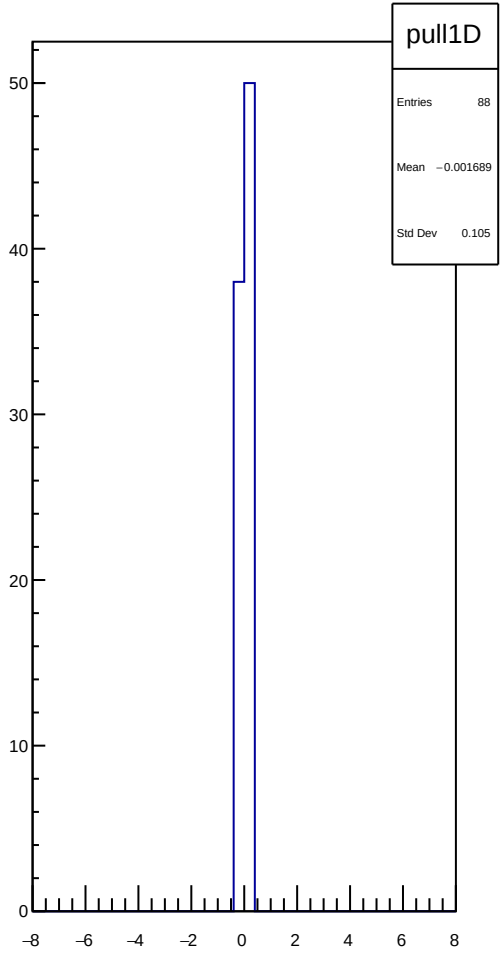

pull1D
Entries 88
Mean 0.001947
Std Dev 0.1333

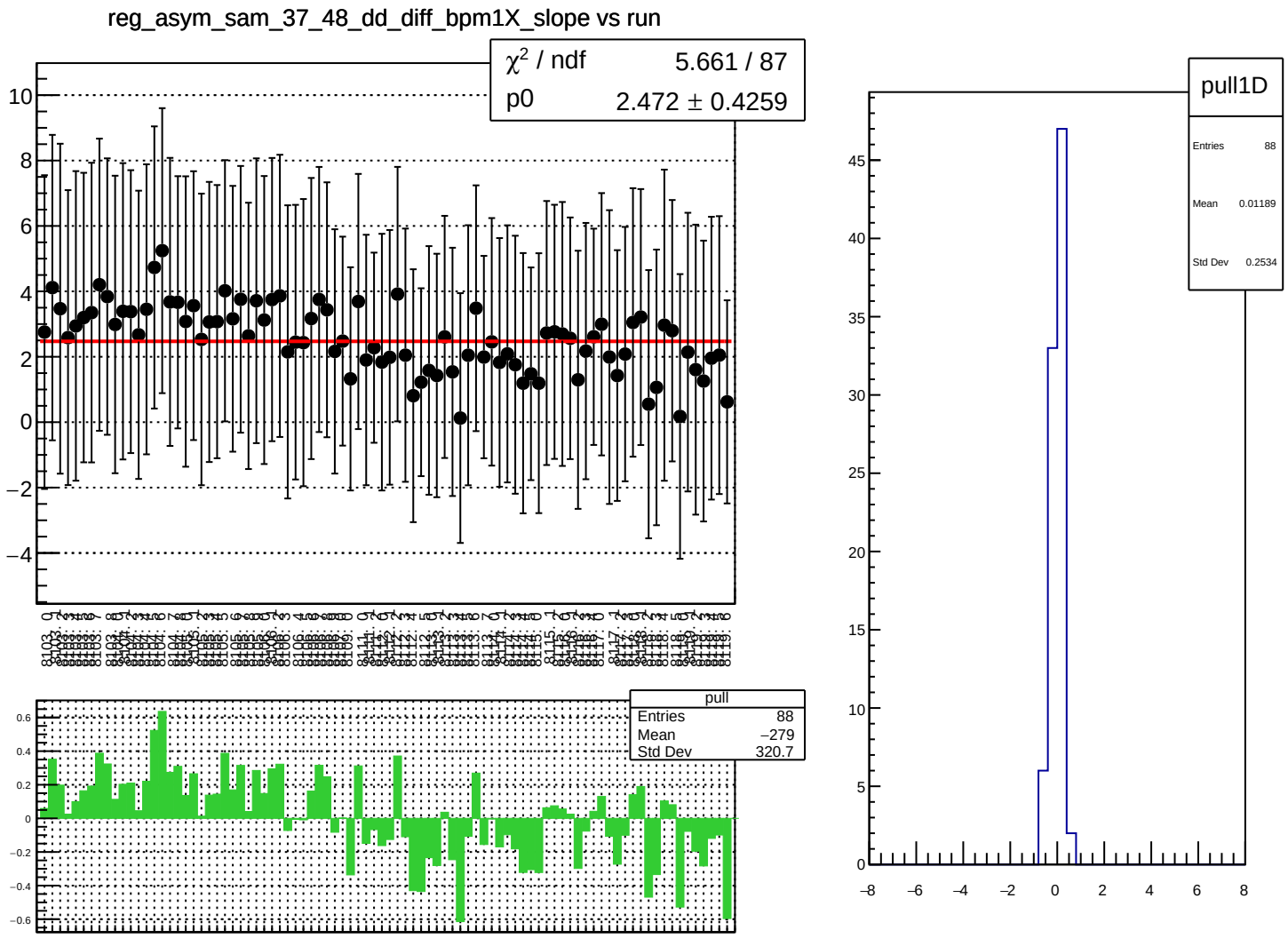

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8245 / 87
p0 −14.08 ± 1.743
pull
Entries 88
Mean 597.7
Std Dev 562.7
pull1D
Entries 88
Mean −0.000443
Std Dev 0.09679

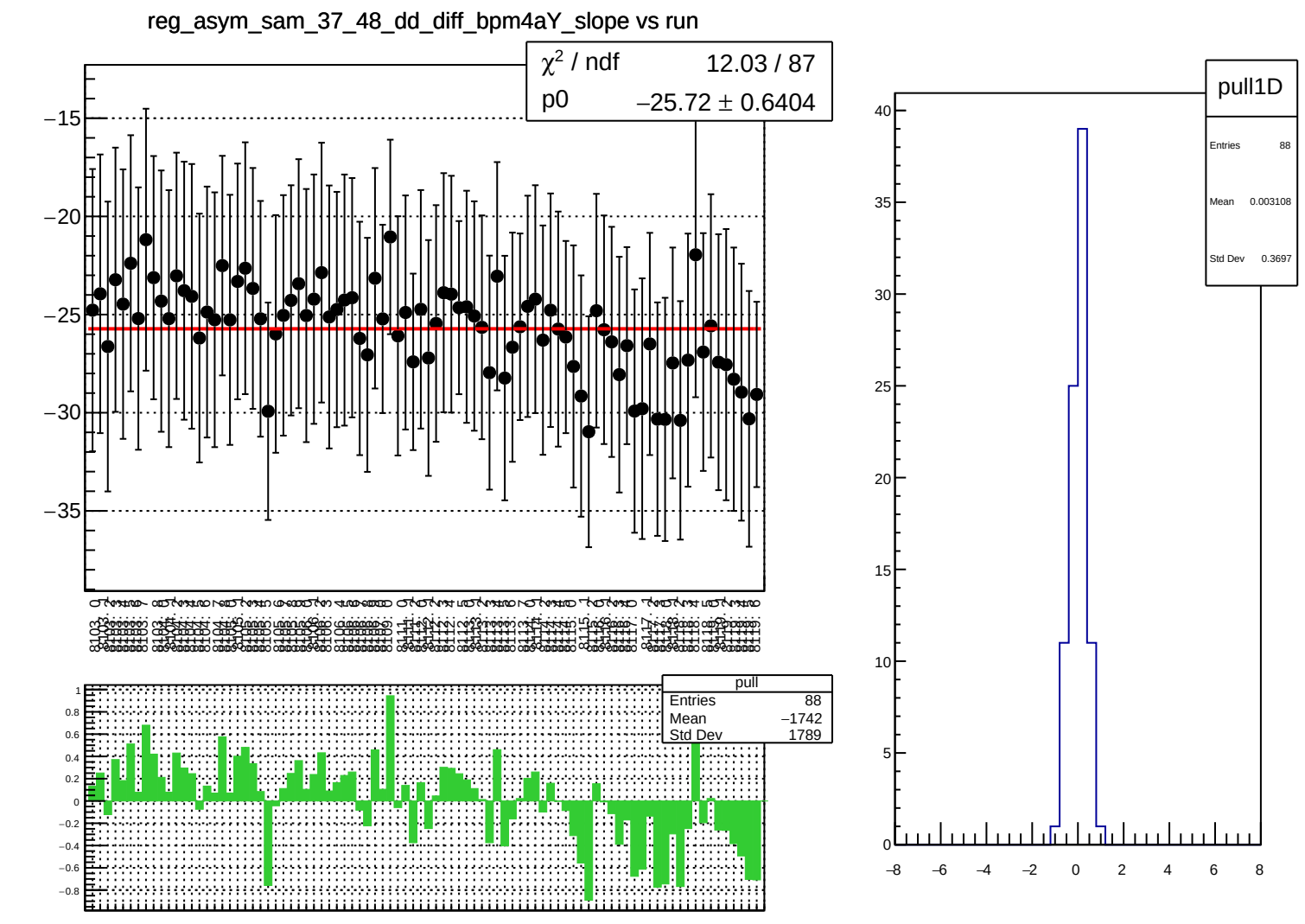

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.782 / 87
p0 45.86 ± 1.104
pull
Entries 88
Mean 946.3
Std Dev 894.6
pull1D
Entries 88
Mean −0.001997
Std Dev 0.1423

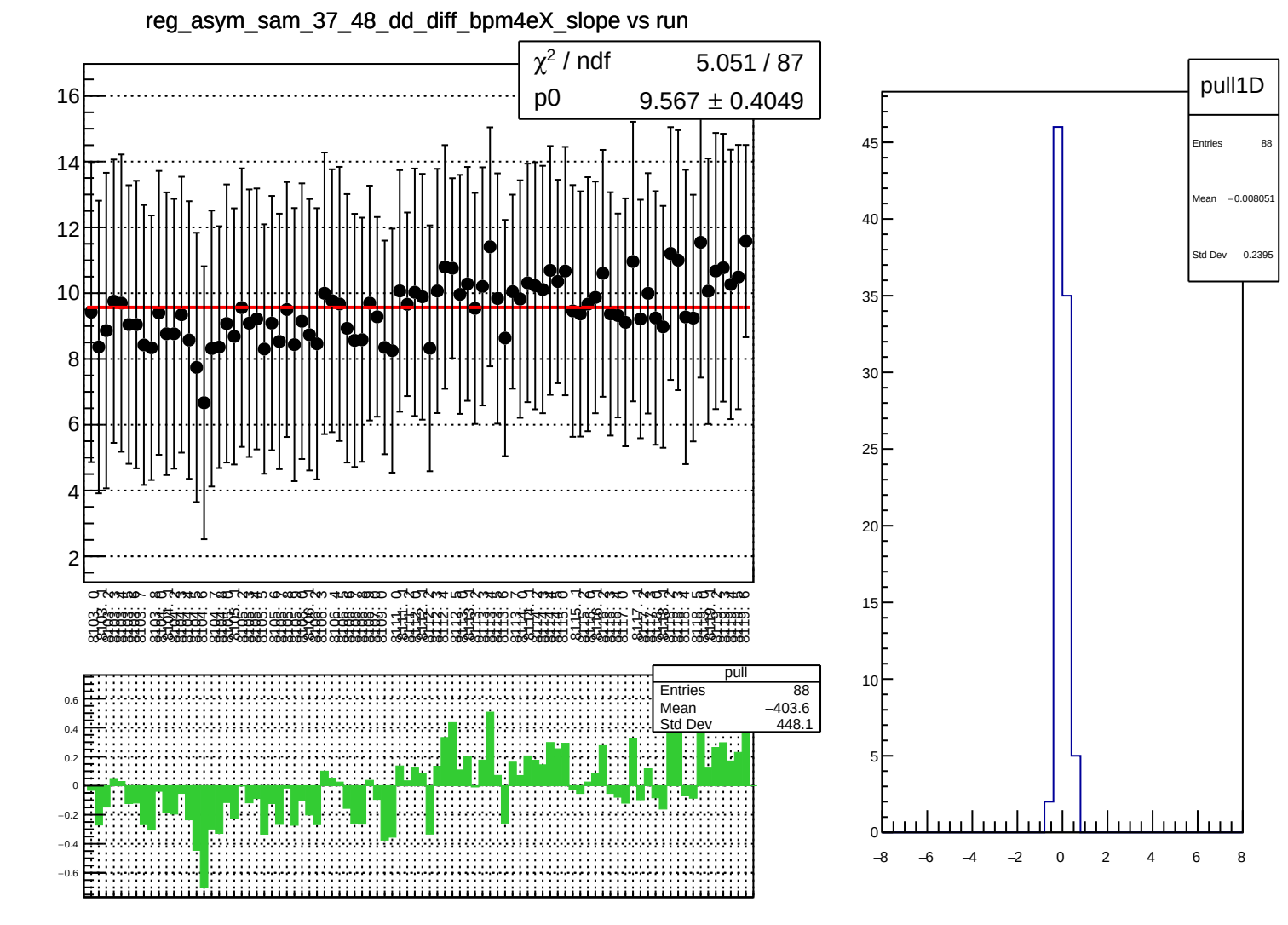

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9 / 87
p0 −17.86 ± 1.864
pull
Entries 88
Mean 651.9
Std Dev 607.3
pull1D
Entries 88
Mean 0.001065
Std Dev 0.1011

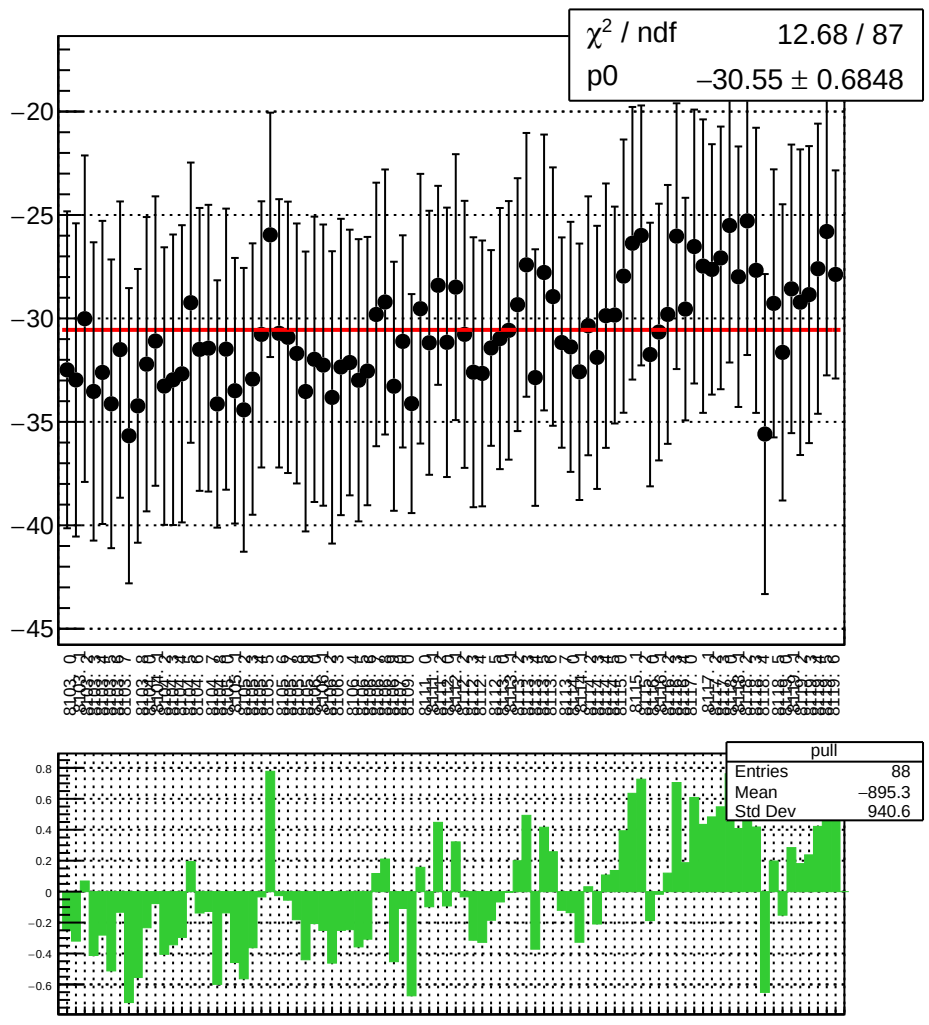

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 0.9712 / 87
p0 0.4781 ± 0.07
pull
Entries 88
Mean −431.7
Std Dev 483.3

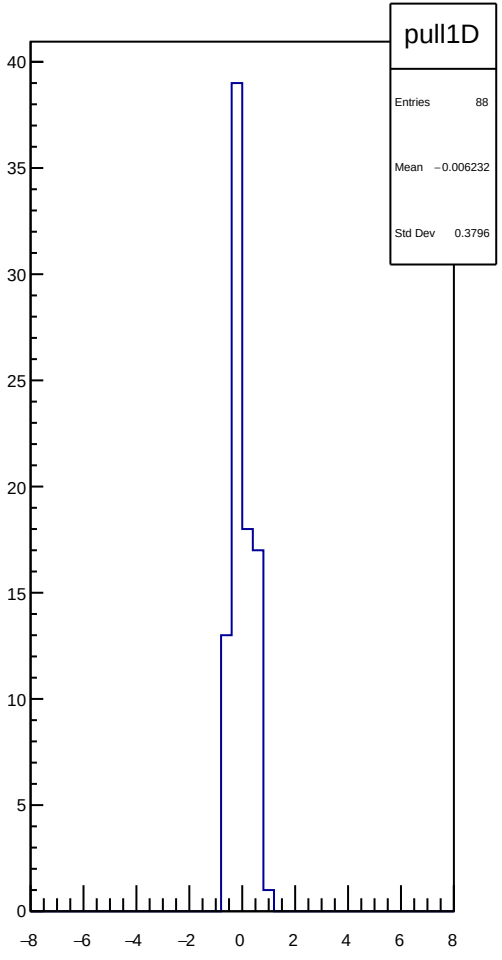

pull1D
Entries 88
Mean −0.001689
Std Dev 0.105

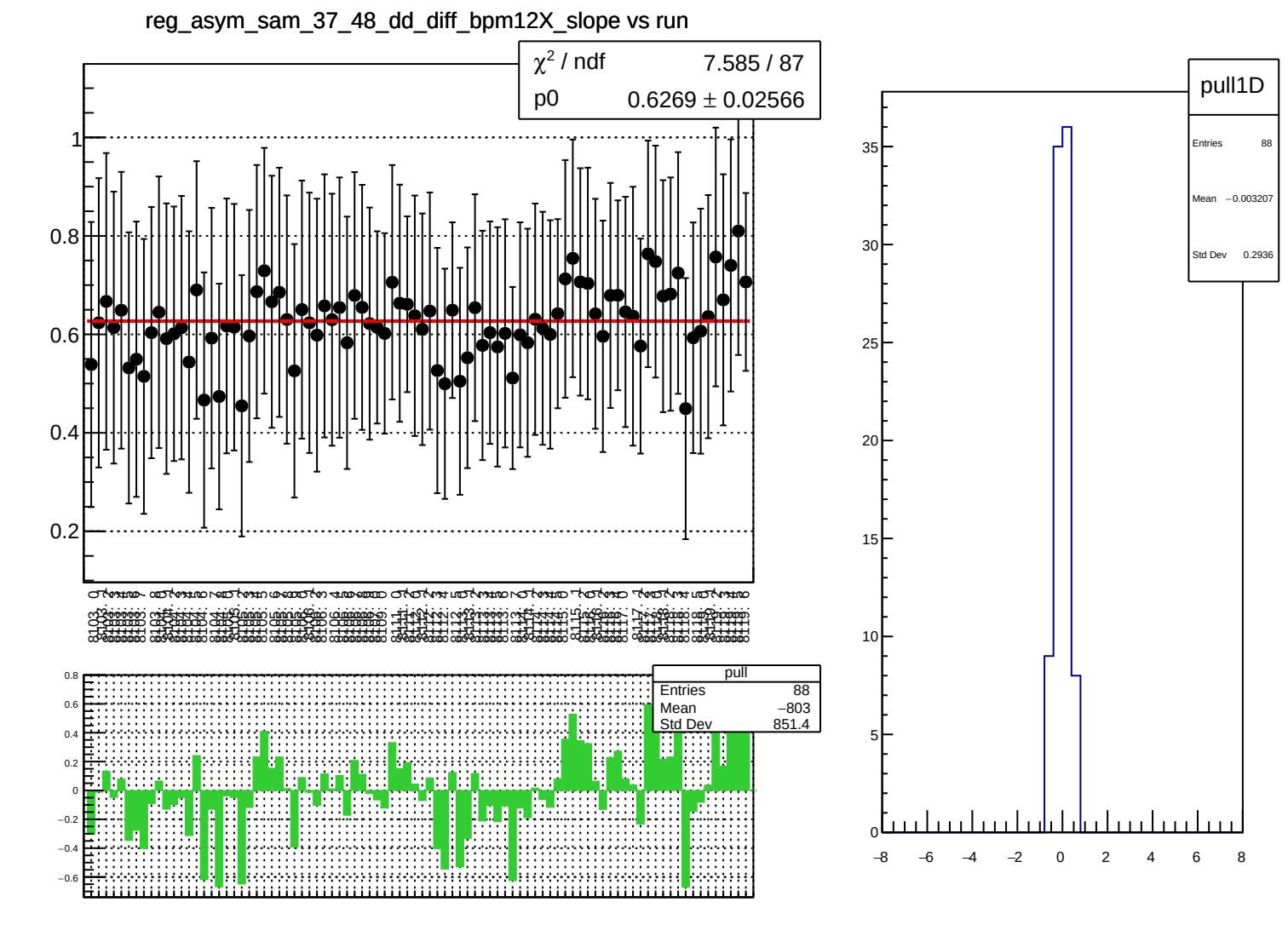

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 5.661 / 87
p0 2.472 ± 0.4259
pull
Entries 88
Mean −279
Std Dev 320.7
pull1D
Entries 88
Mean 0.01189
Std Dev 0.2534

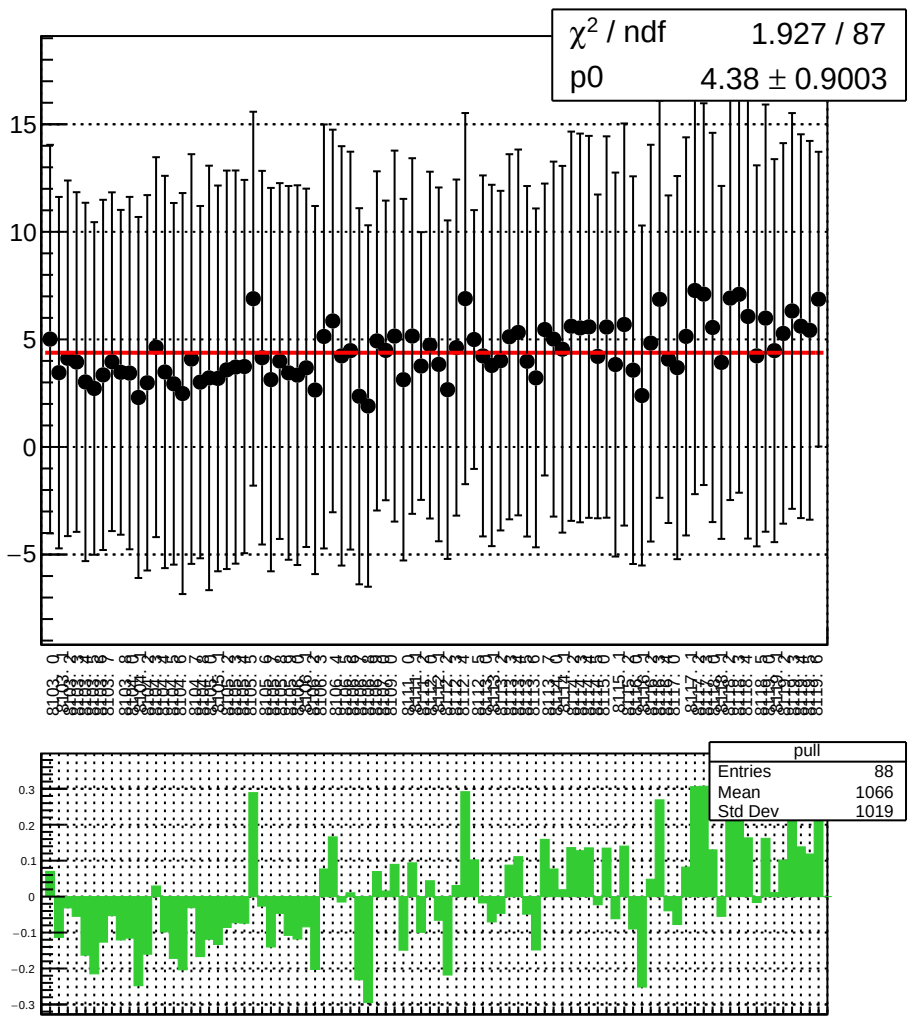

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.03 / 87
p0 −25.72 ± 0.6404
pull
Entries 88
Mean −1742
Std Dev 1789
pull1D
Entries 88
Mean 0.003108
Std Dev 0.3697

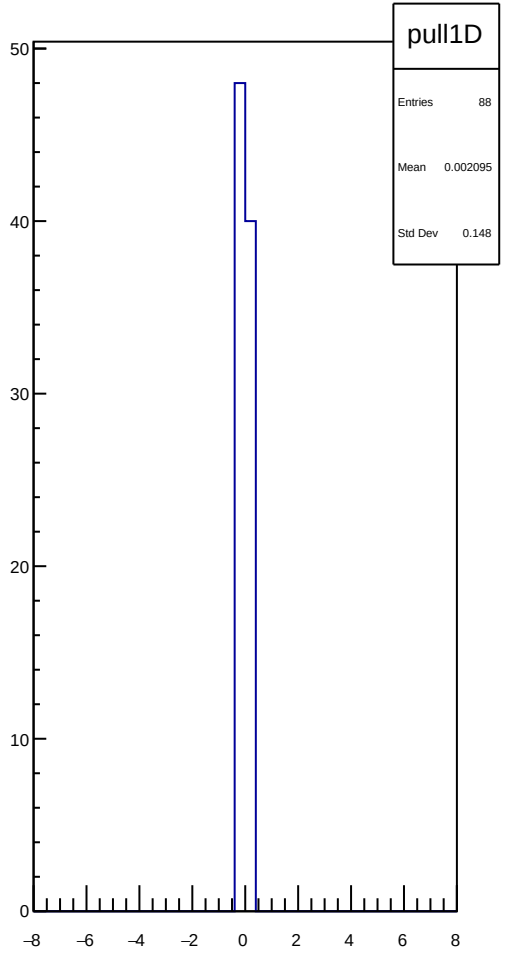

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.051 / 87
p0 9.567 ± 0.4049
pull
Entries 88
Mean −403.6
Std Dev 448.1
pull1D
Entries 88
Mean −0.008051
Std Dev 0.2395

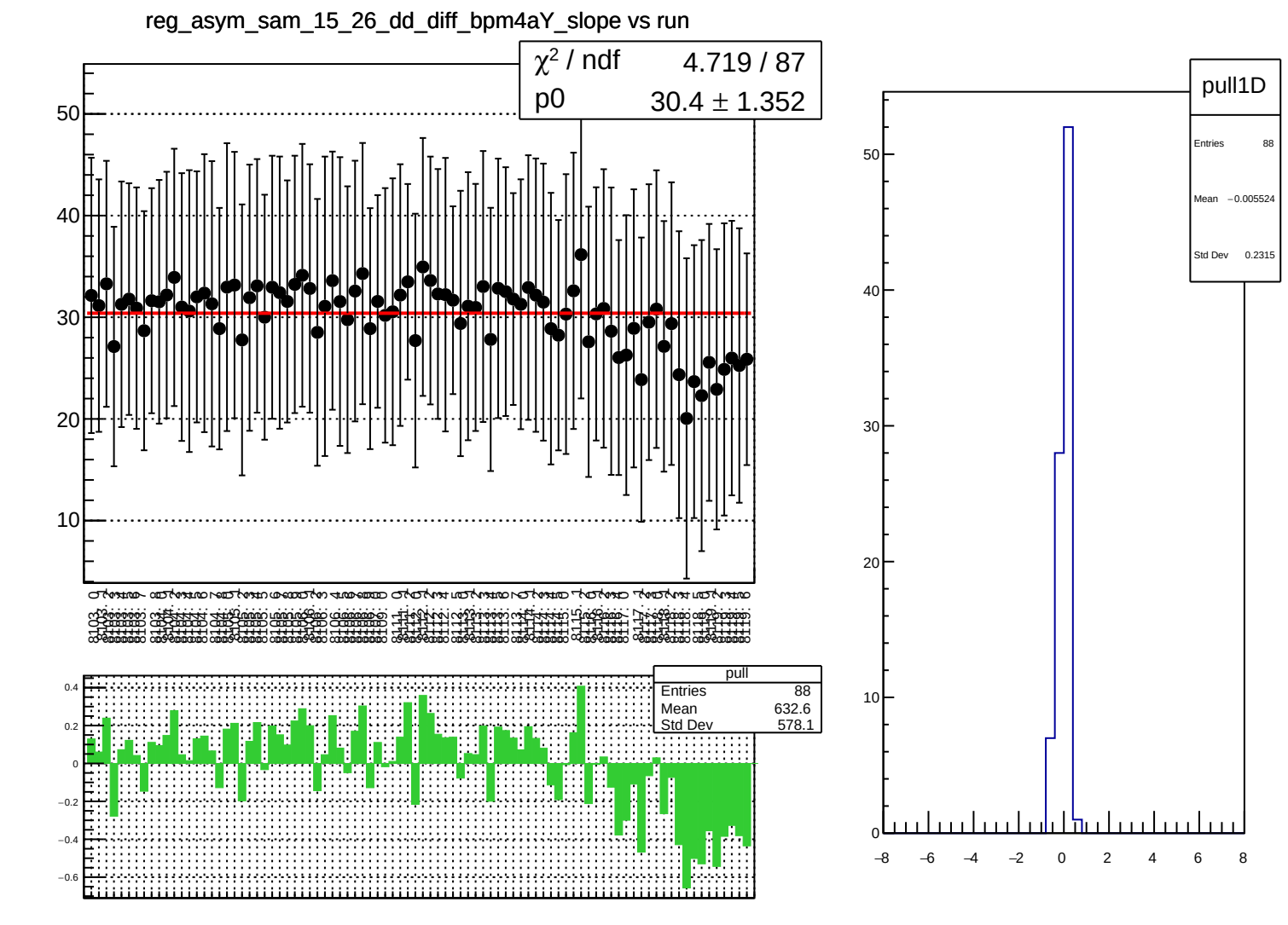

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.68 / 87
p0 −30.55 ± 0.6848
pull
Entries 88
Mean −895.3
Std Dev 940.6

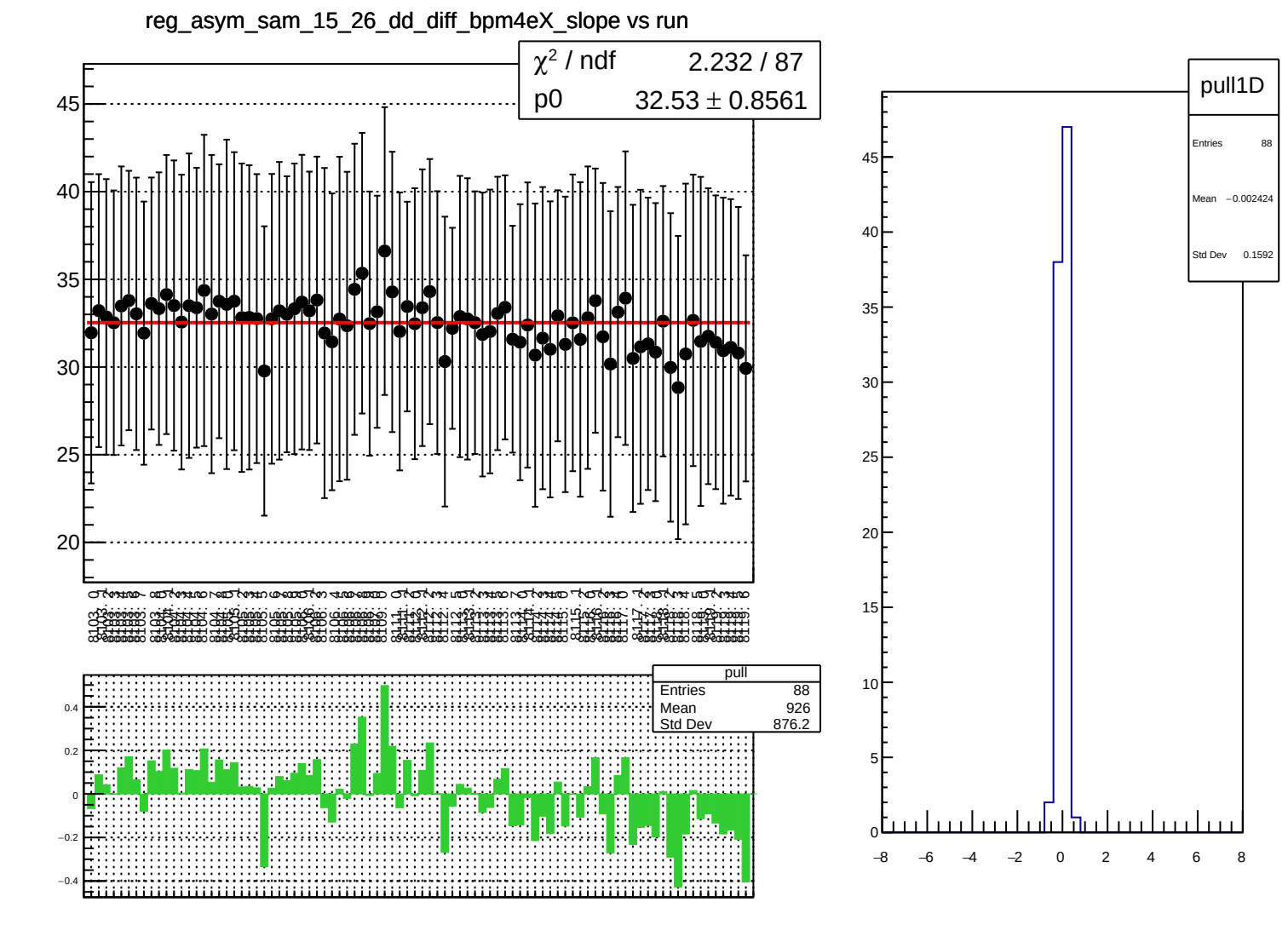

pull1D
Entries 88
Mean −0.006232
Std Dev 0.3796

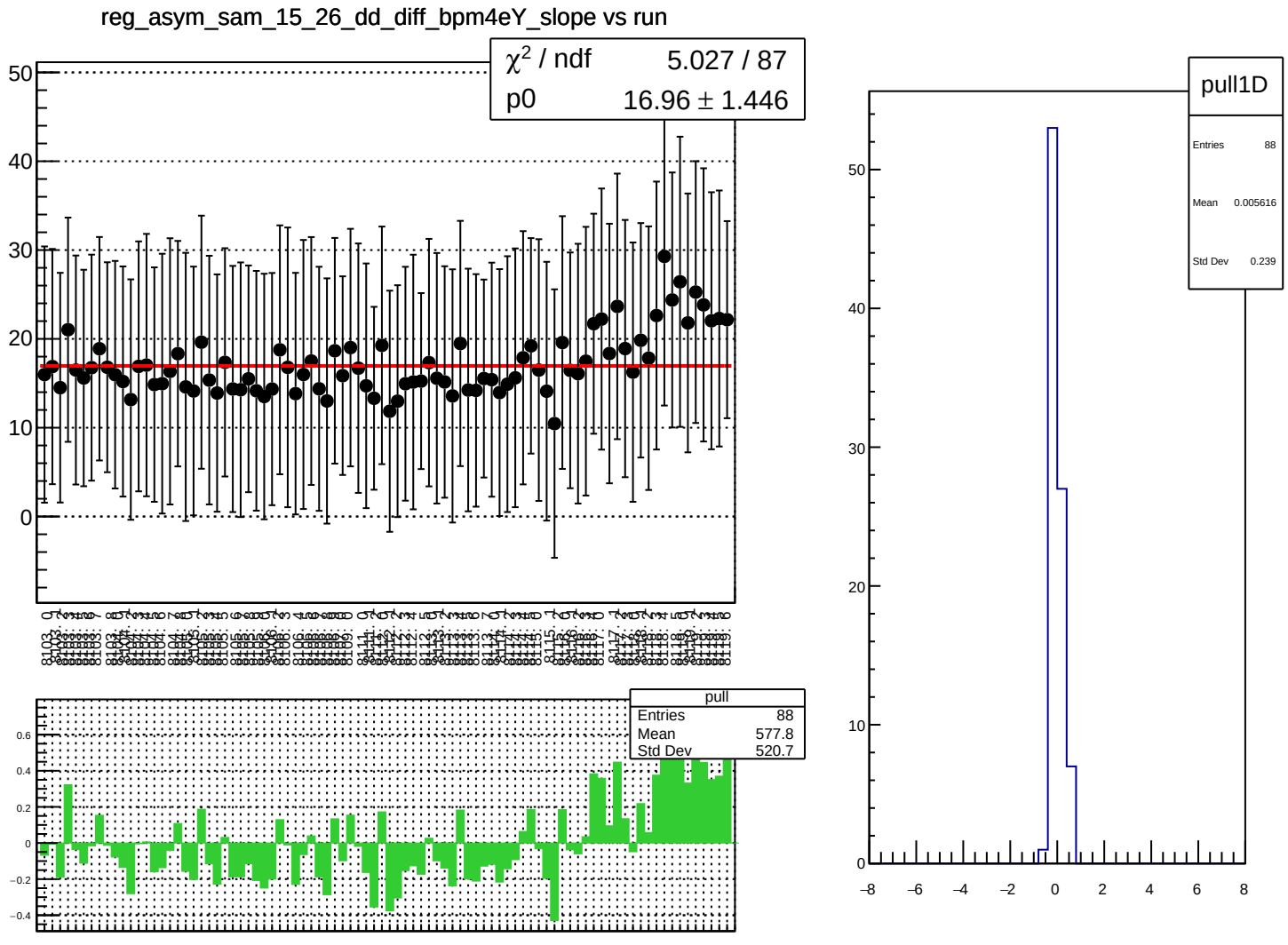

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.585 / 87
p0 0.6269 ± 0.02566
pull
Entries 88
Mean −803
Std Dev 851.4
pull1D
Entries 88
Mean −0.003207
Std Dev 0.2936

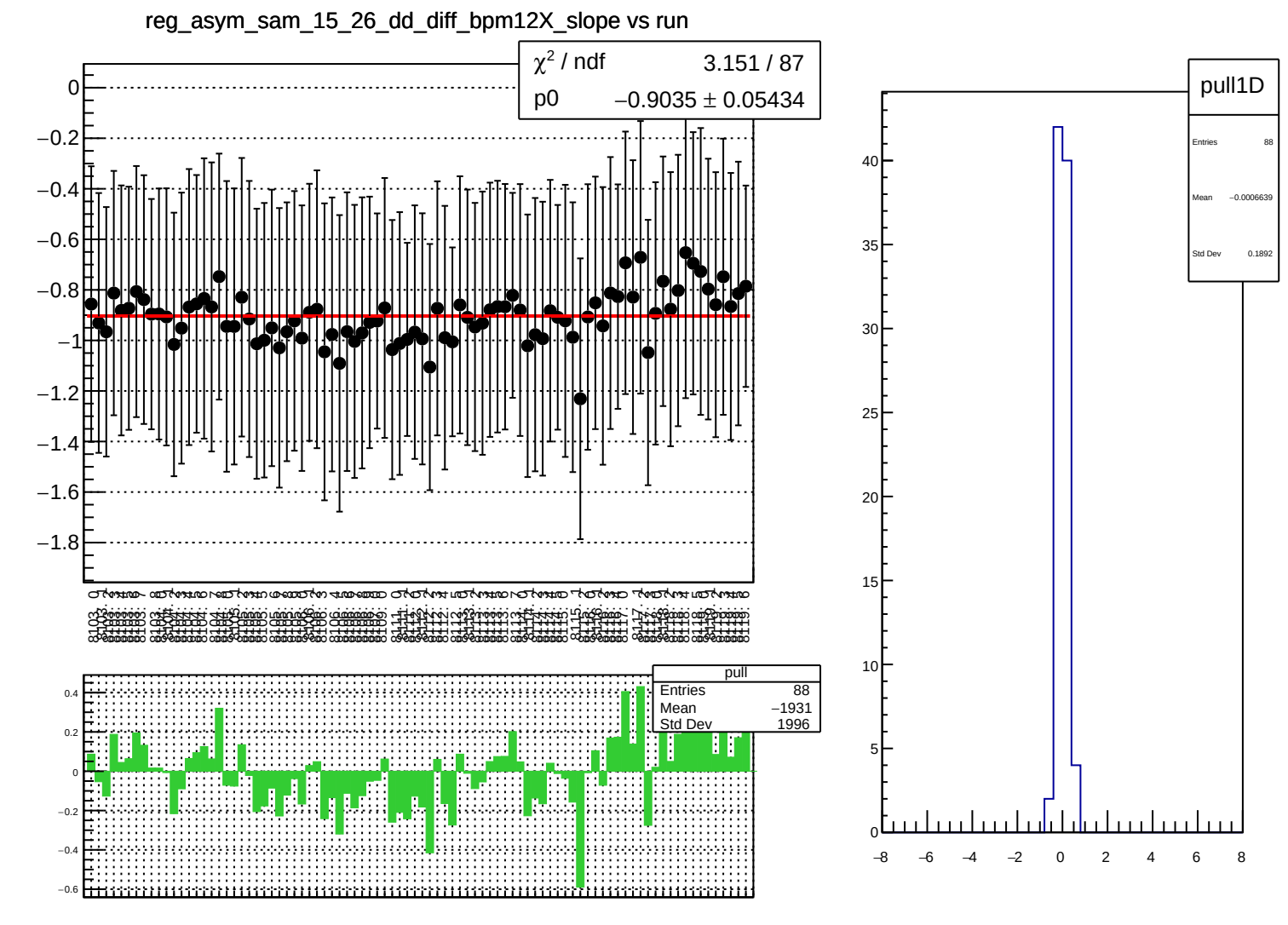

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.927 / 87
p0 4.38 ± 0.9003
pull
Entries 88
Mean 1066
Std Dev 1019

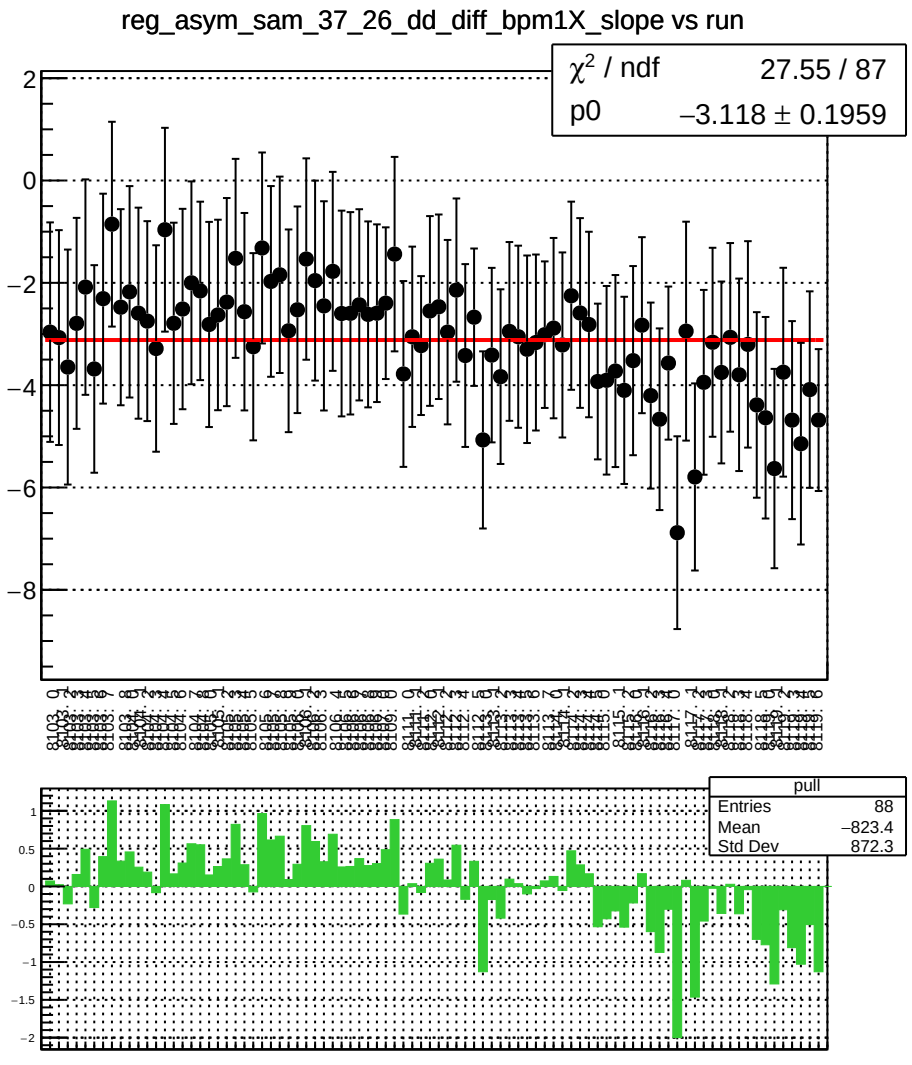

pull1D
Entries 88
Mean 0.002095
Std Dev 0.148

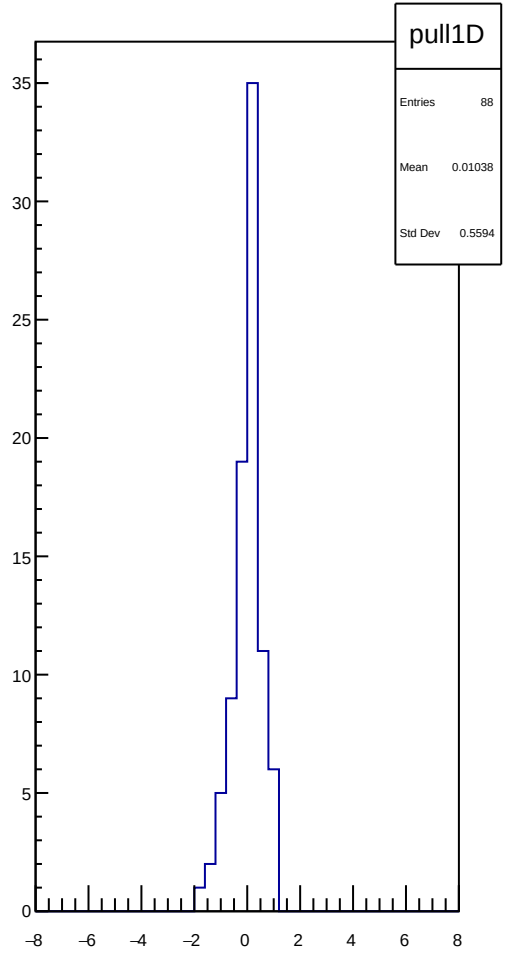

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.719 / 87
p0 30.4 ± 1.352
pull
Entries 88
Mean 632.6
Std Dev 578.1
pull1D
Entries 88
Mean −0.005524
Std Dev 0.2315

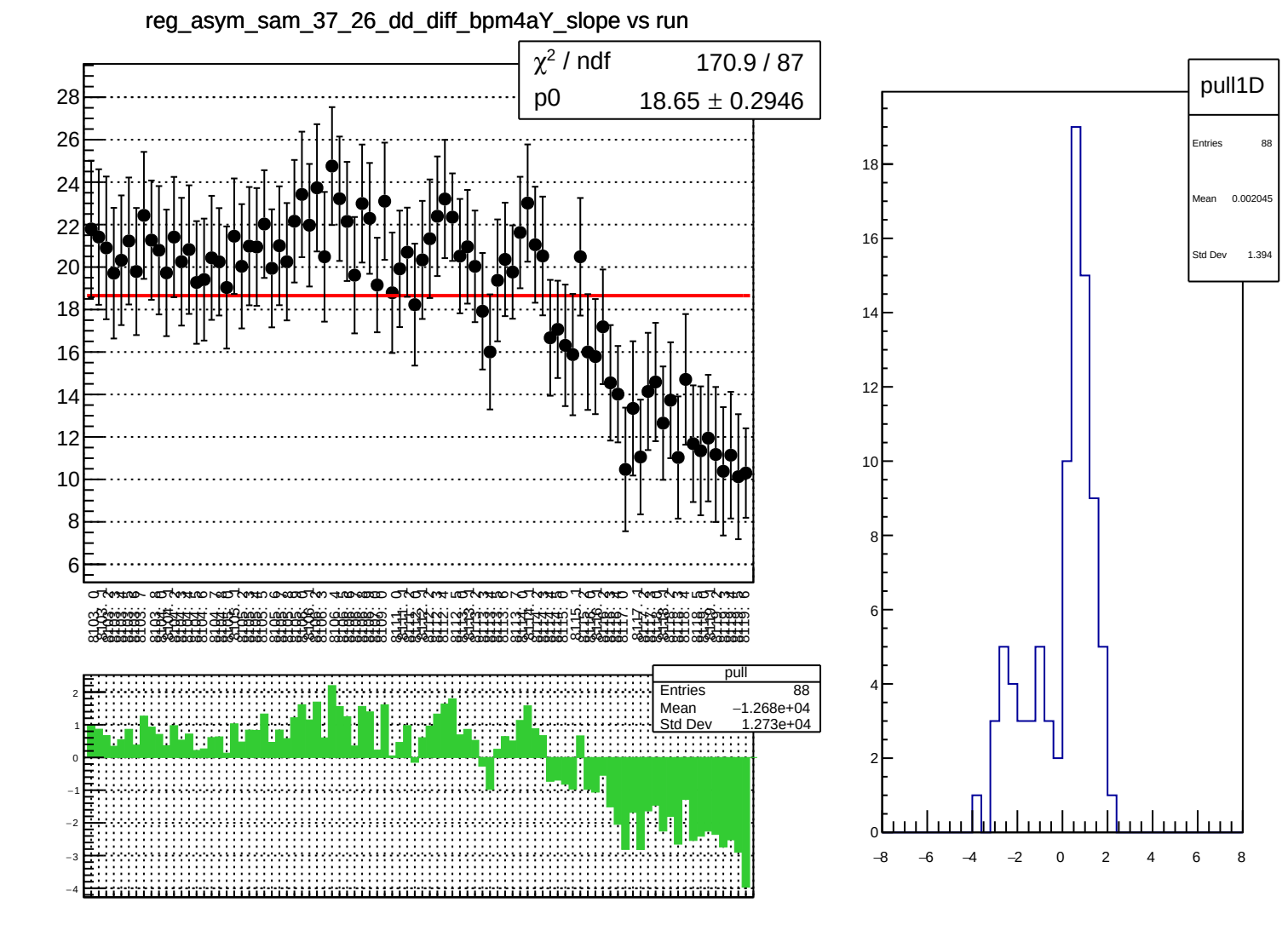

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.232 / 87
p0 32.53 ± 0.8561
pull
Entries 88
Mean 926
Std Dev 876.2
pull1D
Entries 88
Mean −0.002424
Std Dev 0.1592

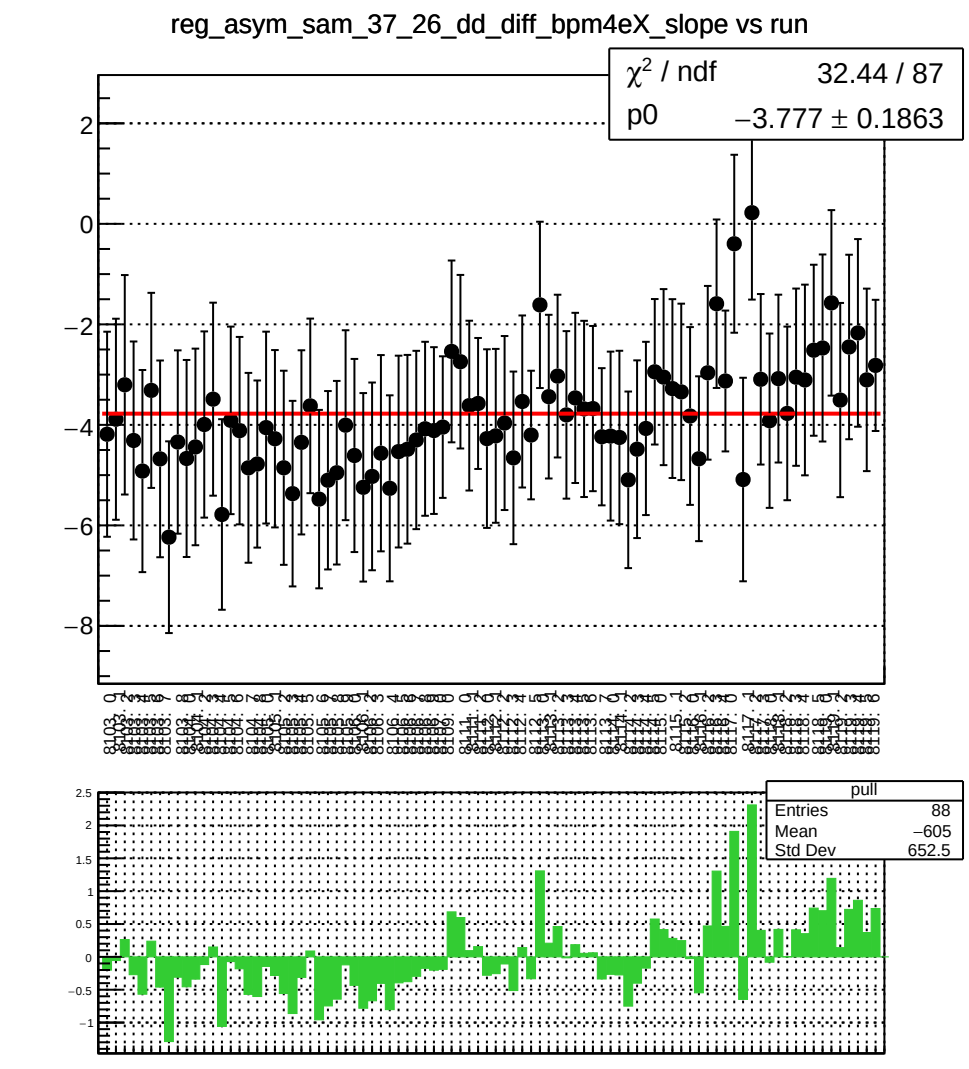

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.027 / 87
p0 16.96 ± 1.446
pull
Entries 88
Mean 577.8
Std Dev 520.7
pull1D
Entries 88
Mean 0.005616
Std Dev 0.239

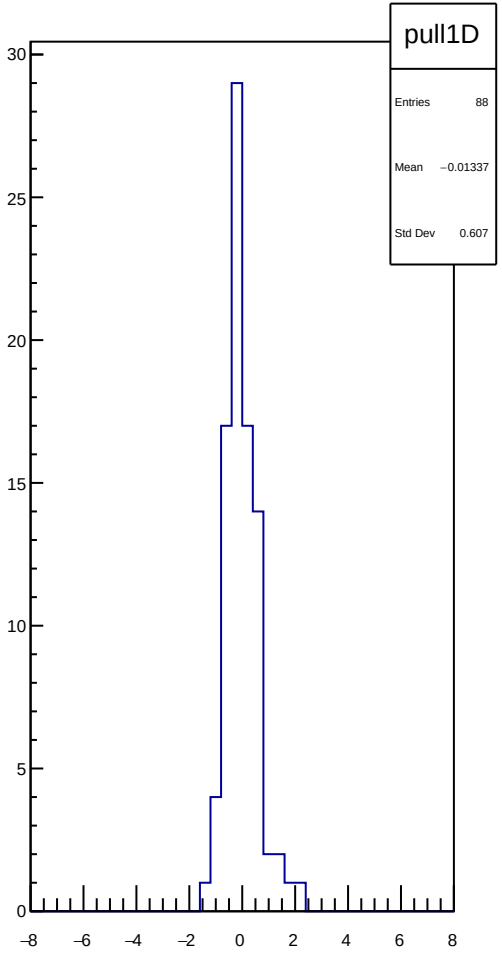

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.151 / 87
p0 −0.9035 ± 0.05434
pull
Entries 88
Mean −1931
Std Dev 1996
pull1D
Entries 88
Mean −0.0006639
Std Dev 0.1892

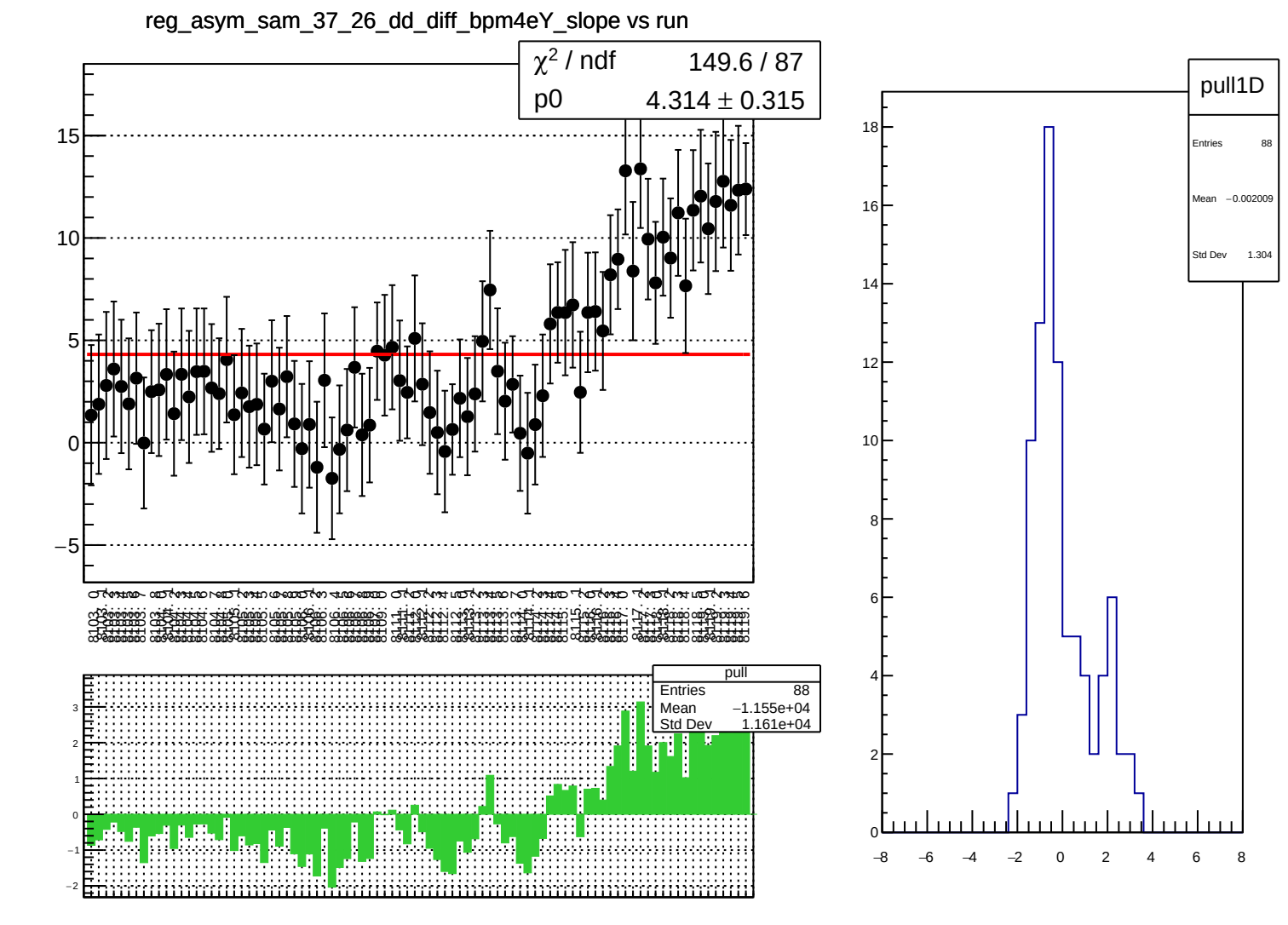

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 27.55 / 87
p0 −3.118 ± 0.1959
pull
Entries 88
Mean −823.4
Std Dev 872.3

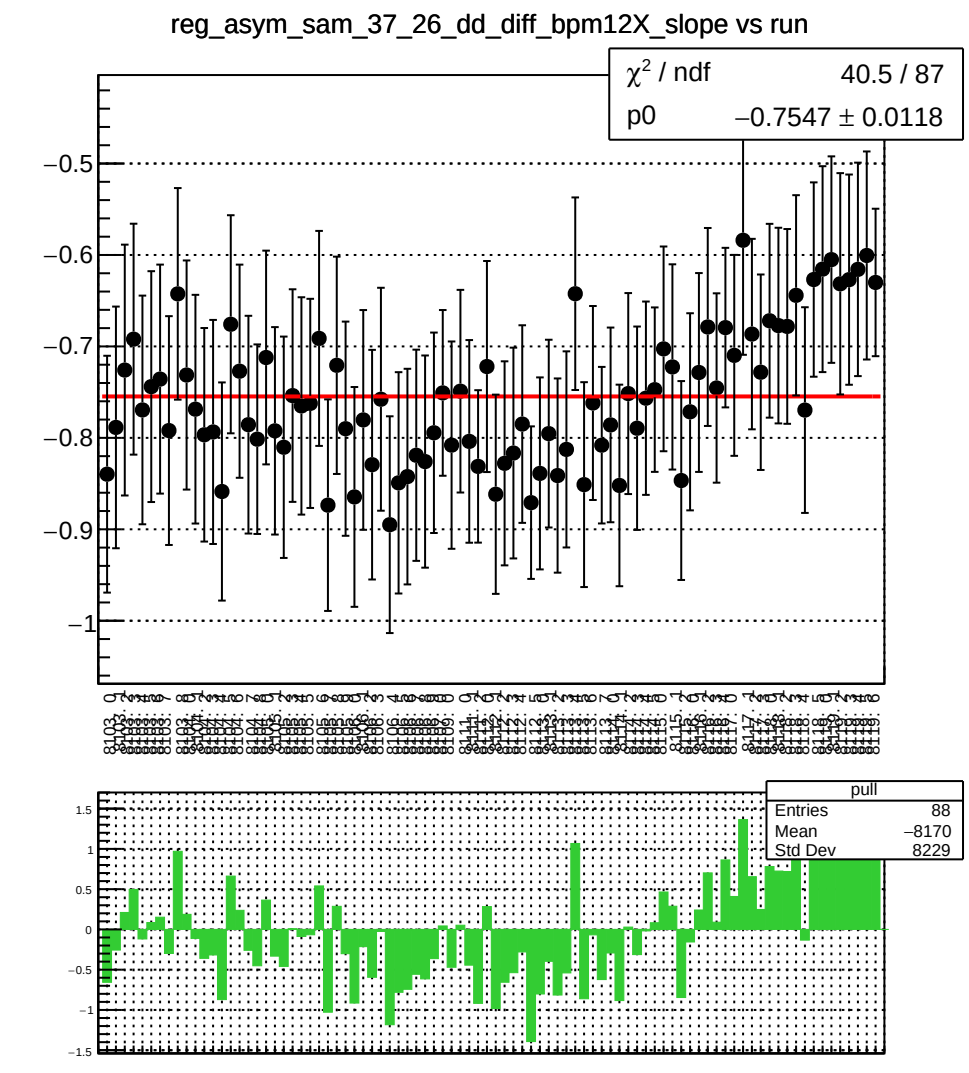

pull1D
Entries 88
Mean 0.01038
Std Dev 0.5594

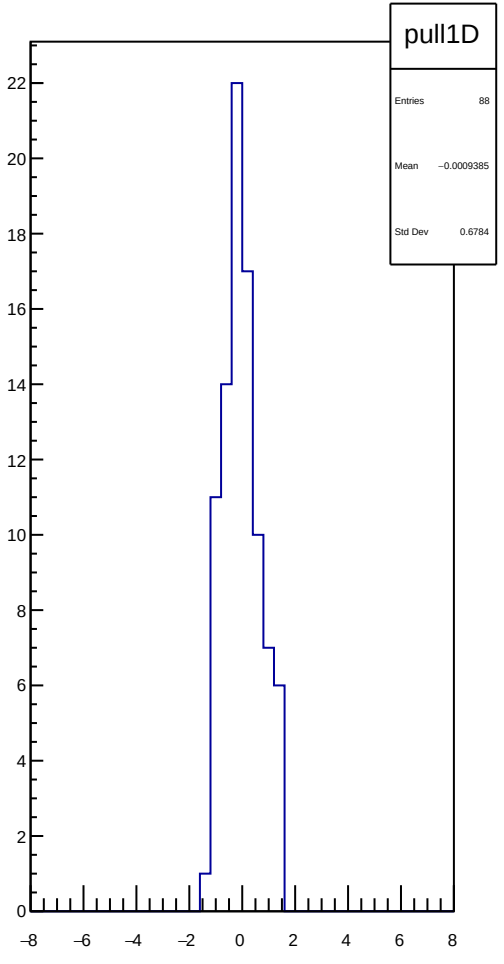

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 170.9 / 87
p0 18.65 ± 0.2946
pull
Entries 88
Mean −1.268e+04
Std Dev 1.273e+04
pull1D
Entries 88
Mean 0.002045
Std Dev 1.394

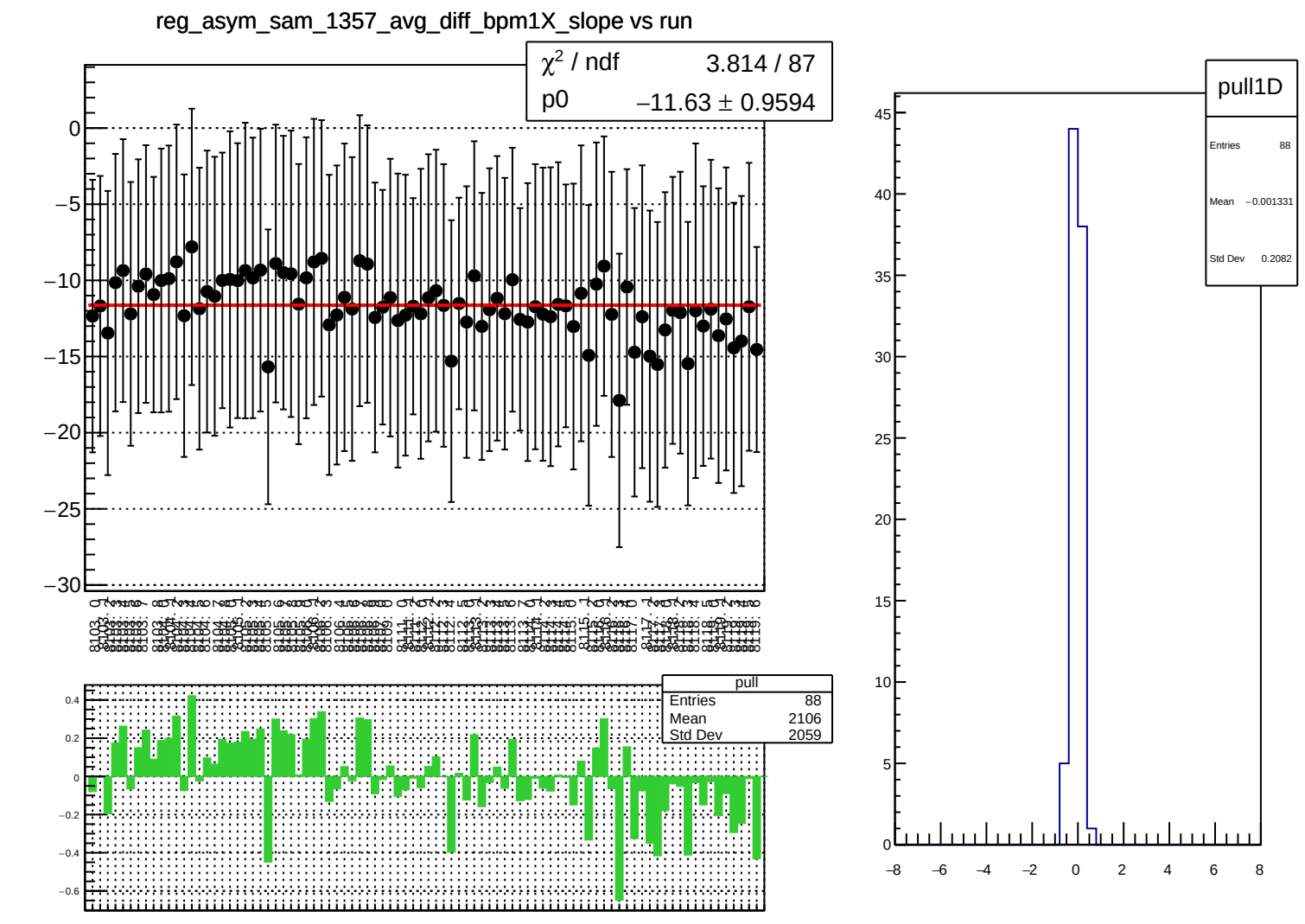

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.44 / 87
p0 −3.777 ± 0.1863
pull
Entries 88
Mean −605
Std Dev 652.5

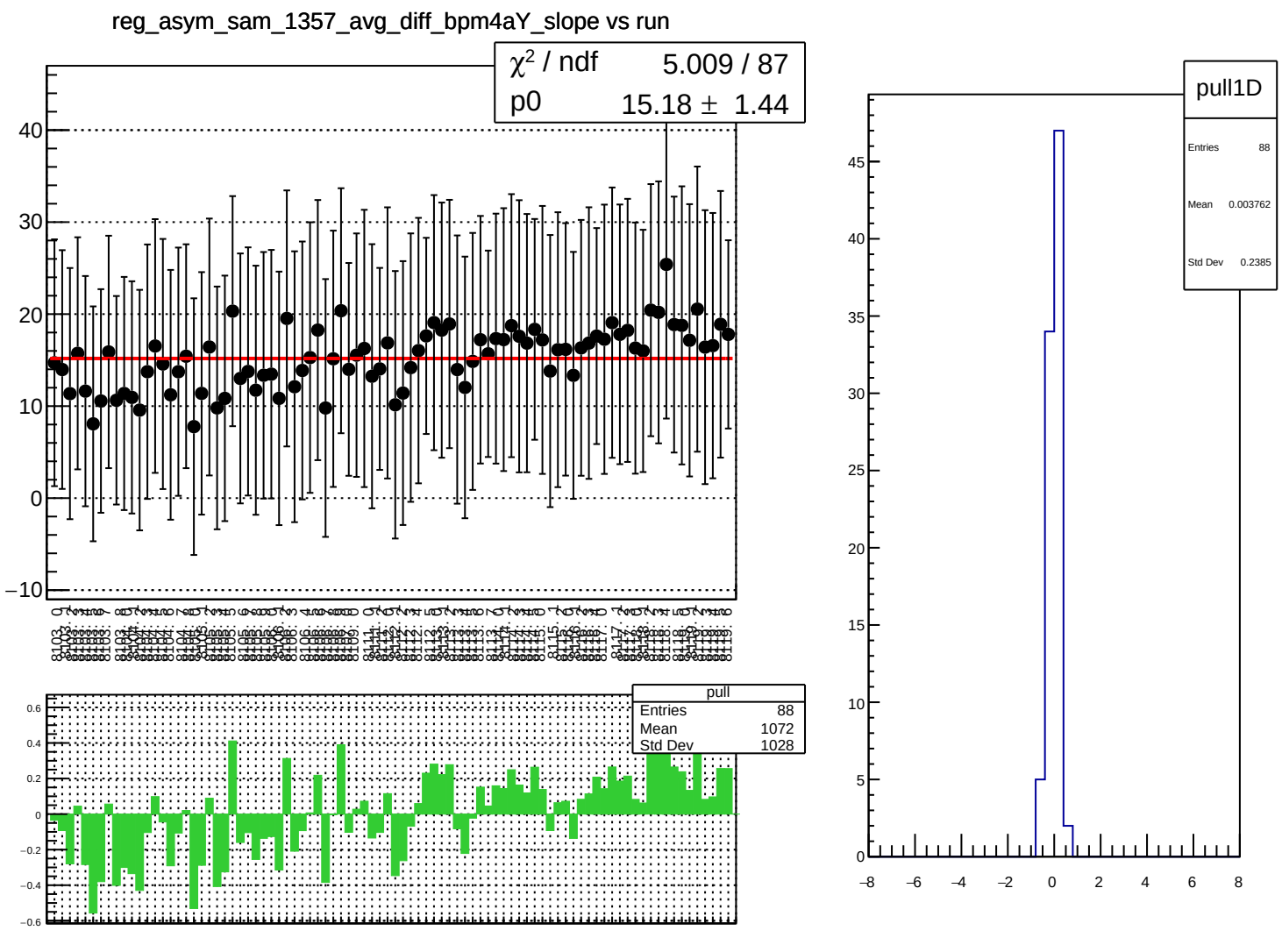

pull1D
Entries 88
Mean −0.01337
Std Dev 0.607

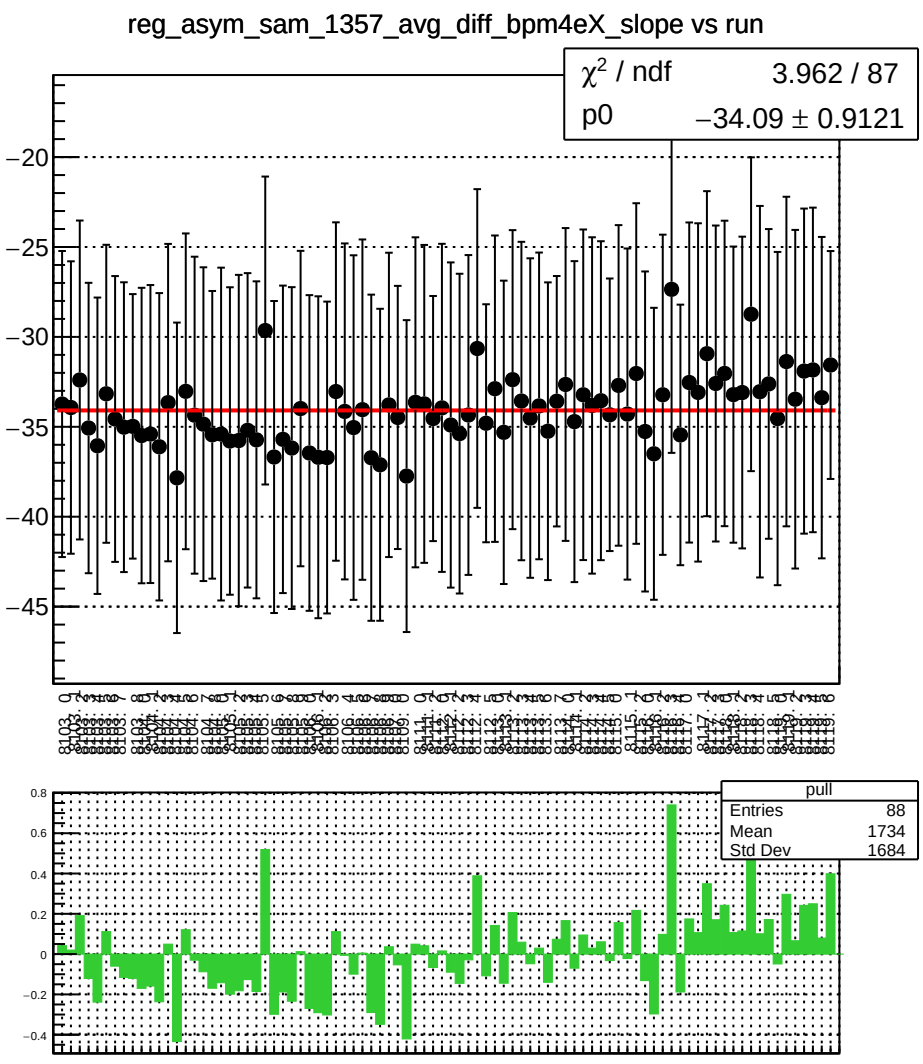

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 149.6 / 87
p0 4.314 ± 0.315
pull
Entries 88
Mean −1.155e+04
Std Dev 1.161e+04
pull1D
Entries 88
Mean −0.002009
Std Dev 1.304

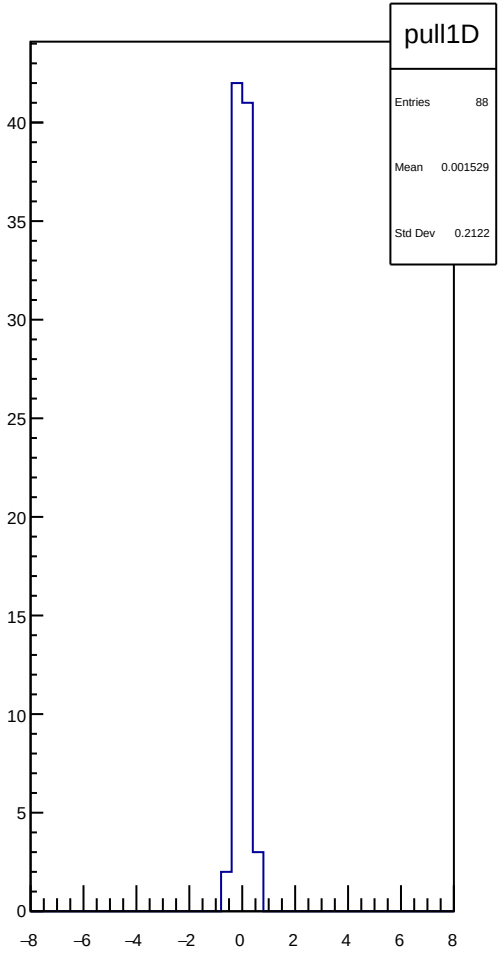

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 40.5 / 87
p0 −0.7547 ± 0.0118
pull
Entries 88
Mean −8170
Std Dev 8229

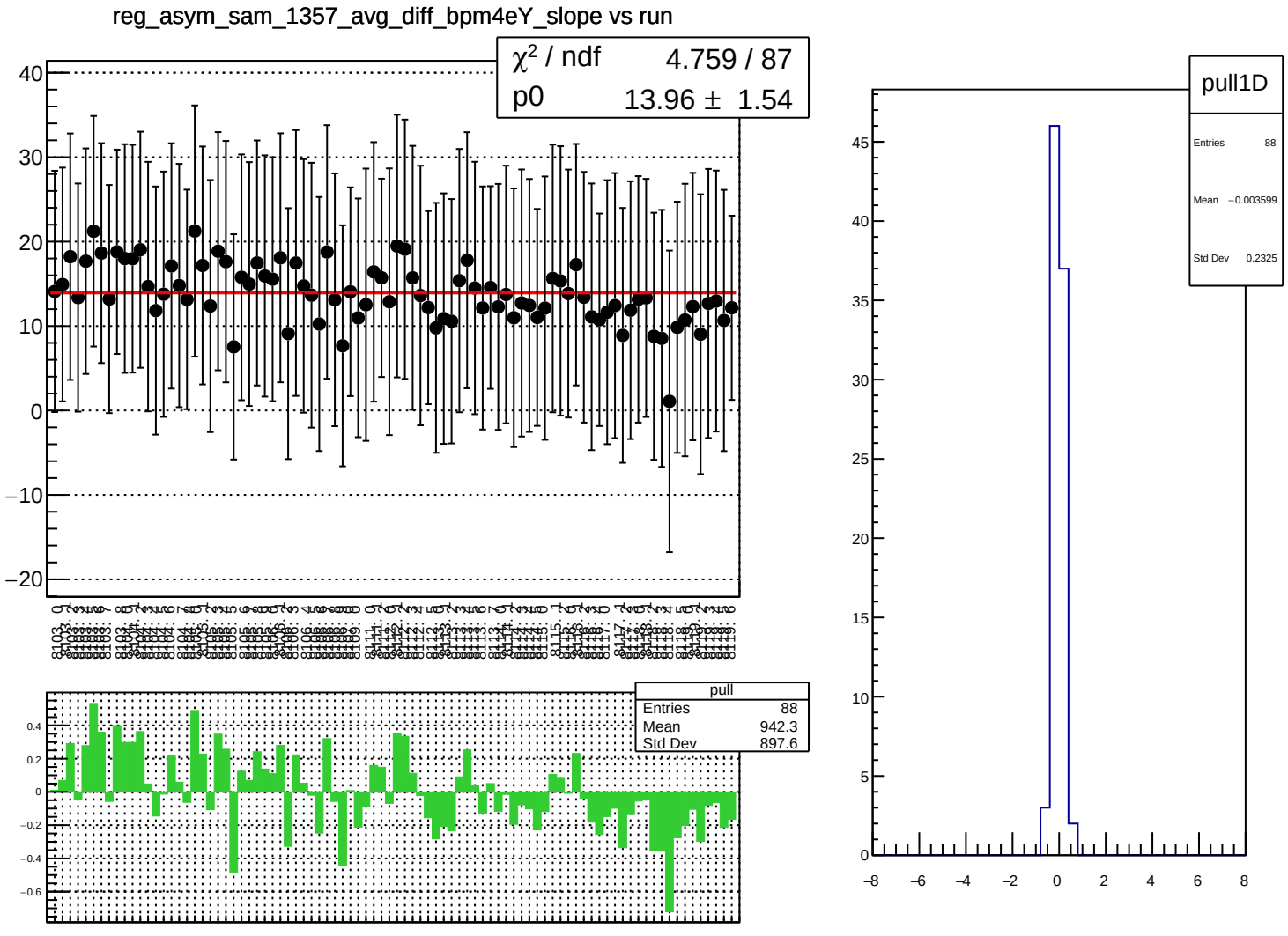

pull1D
Entries 88
Mean −0.0009385
Std Dev 0.6784

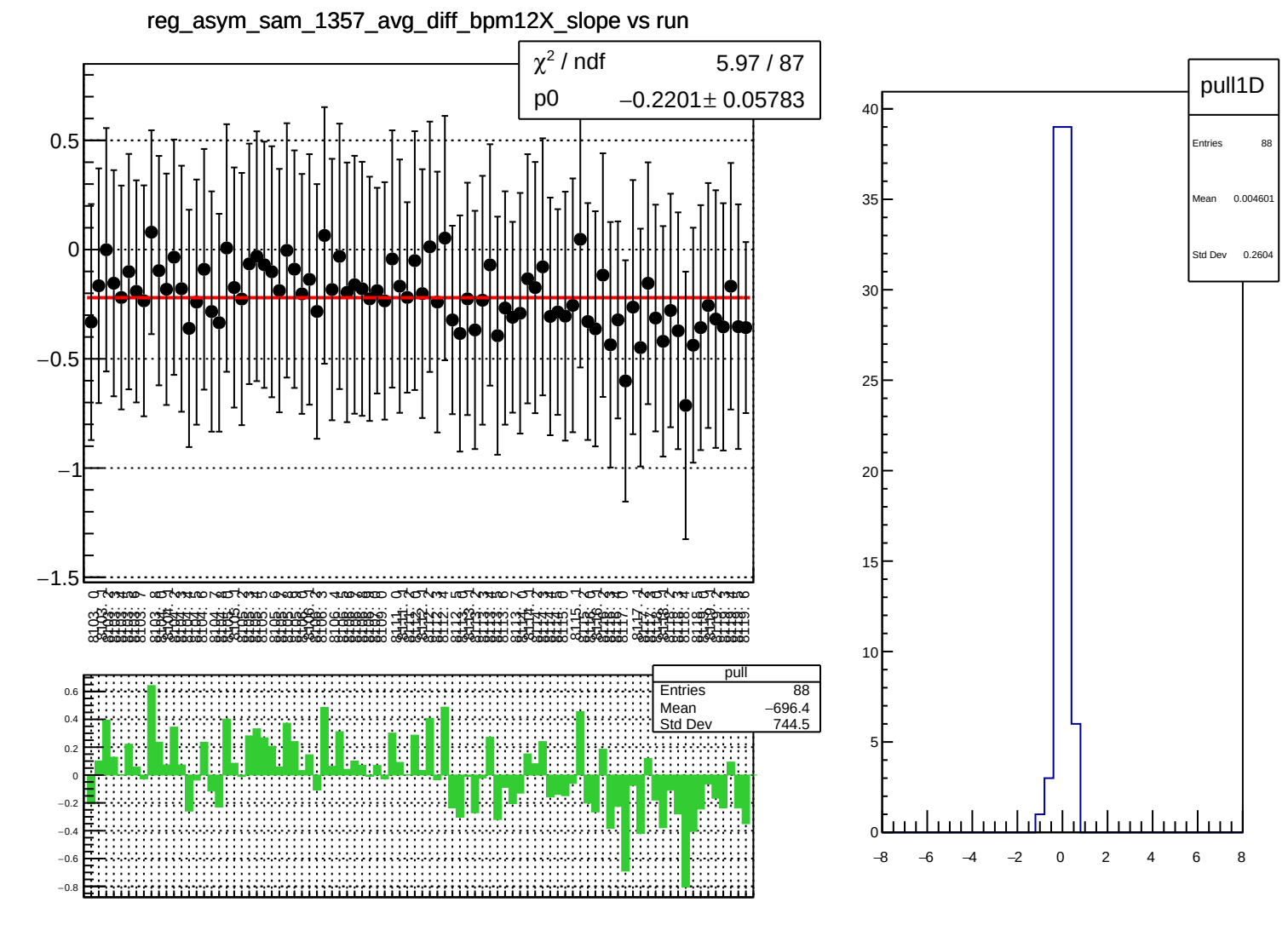

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 3.814 / 87
p0 −11.63 ± 0.9594
pull
Entries 88
Mean 2106
Std Dev 2059
pull1D
Entries 88
Mean −0.001331
Std Dev 0.2082

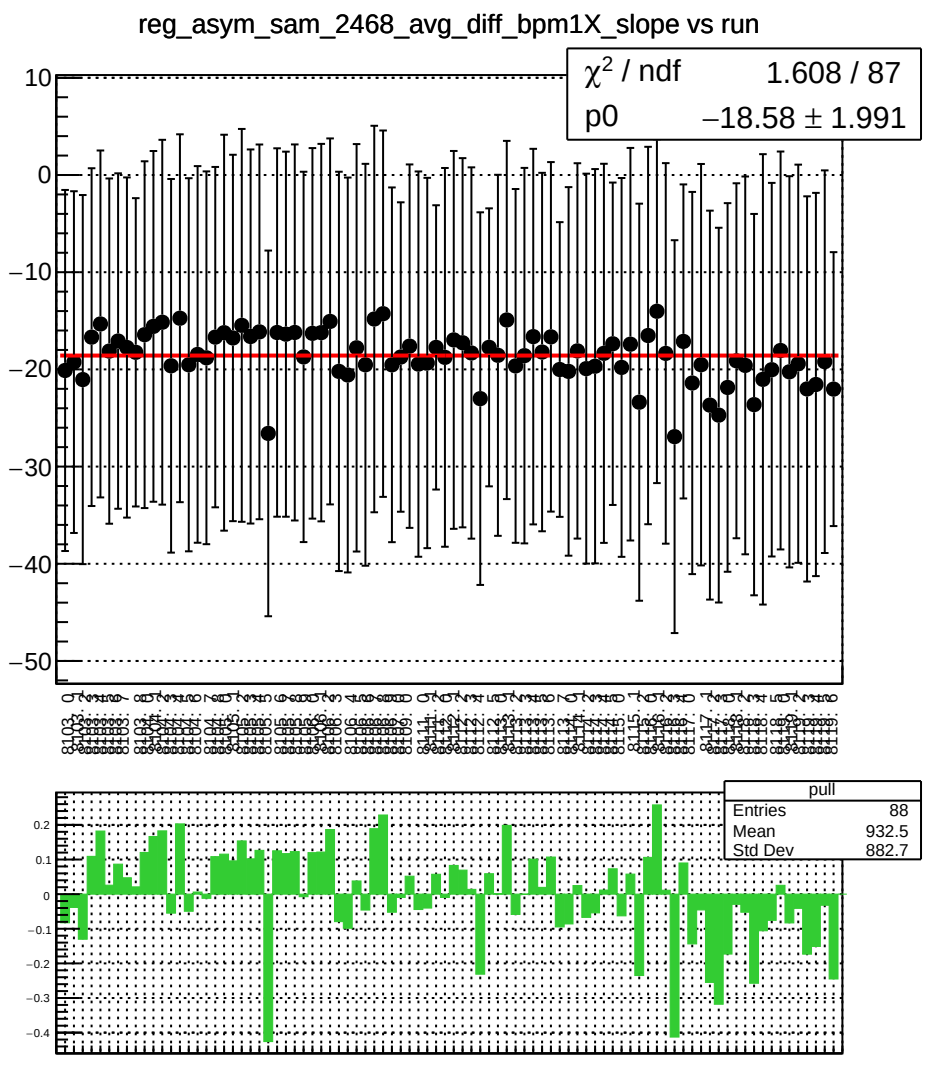

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.009 / 87
p0 15.18 ± 1.44
pull
Entries 88
Mean 1072
Std Dev 1028
pull1D
Entries 88
Mean 0.003762
Std Dev 0.2385

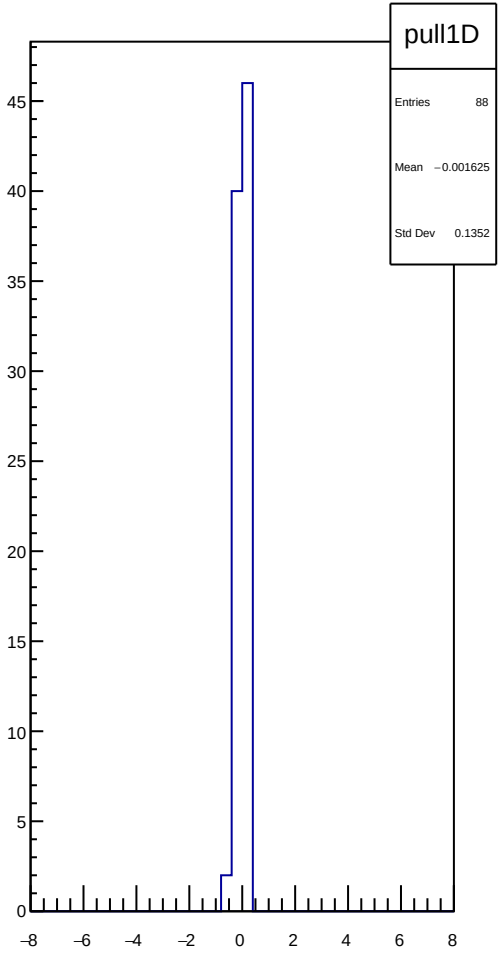

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.962 / 87
p0 −34.09 ± 0.9121
pull
Entries 88
Mean 1734
Std Dev 1684

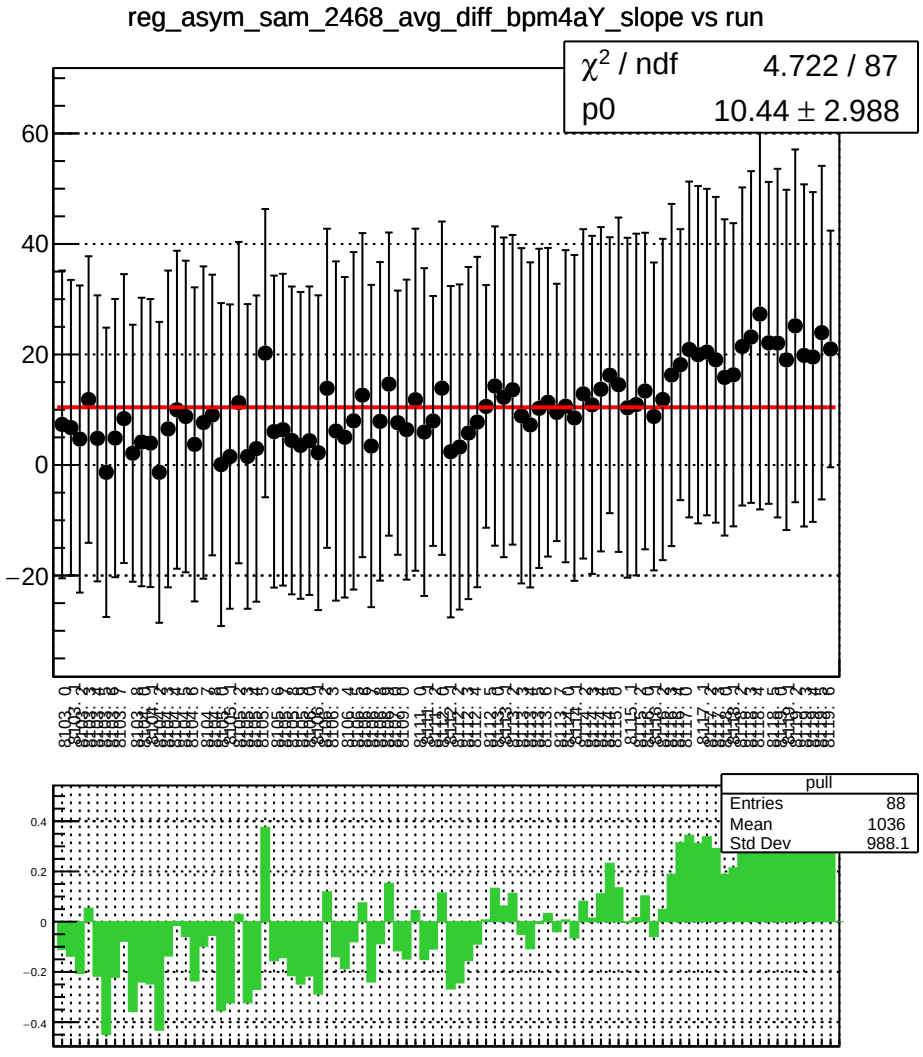

pull1D
Entries 88
Mean 0.001529
Std Dev 0.2122

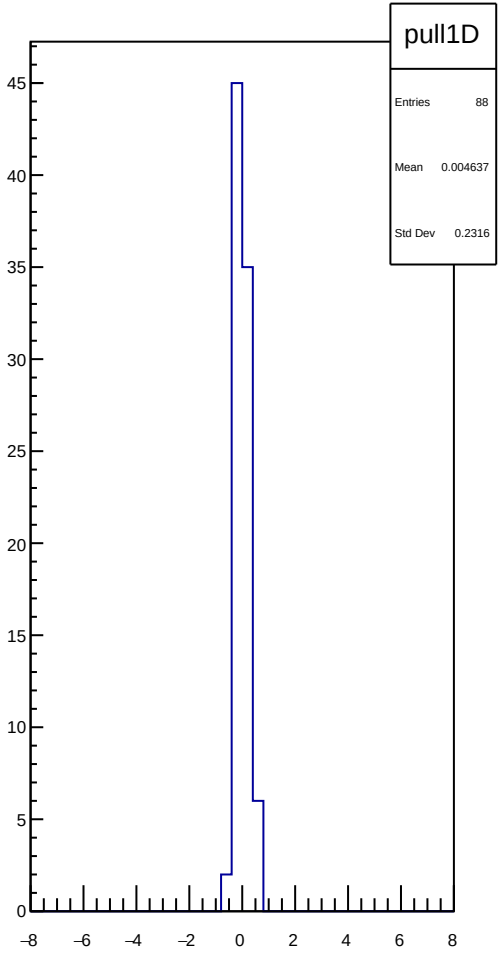

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.759 / 87
p0 13.96 ± 1.54
pull
Entries 88
Mean 942.3
Std Dev 897.6
pull1D
Entries 88
Mean −0.003599
Std Dev 0.2325

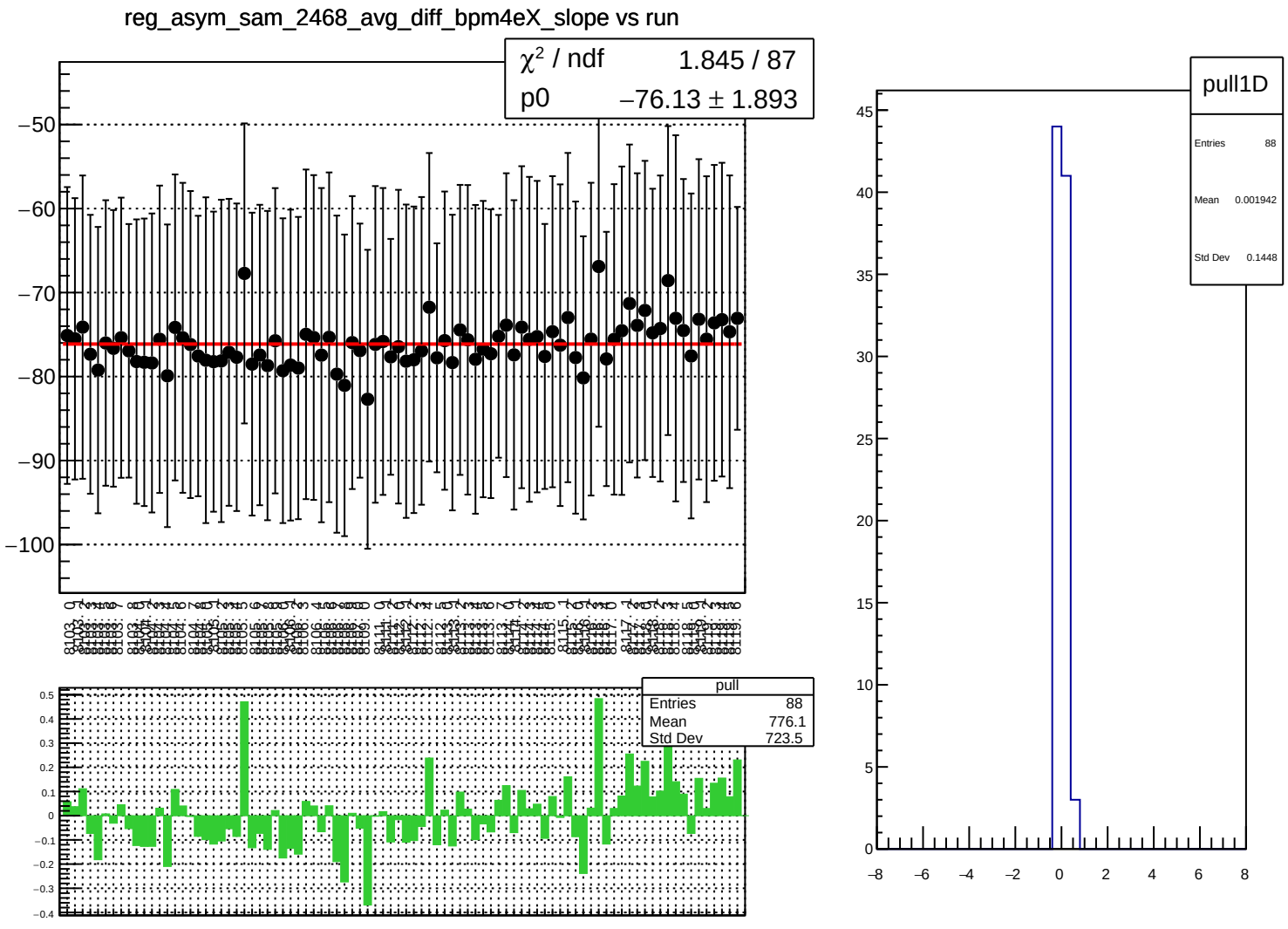

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 5.97 / 87
p0 −0.2201± 0.05783
pull
Entries 88
Mean −696.4
Std Dev 744.5
pull1D
Entries 88
Mean 0.004601
Std Dev 0.2604

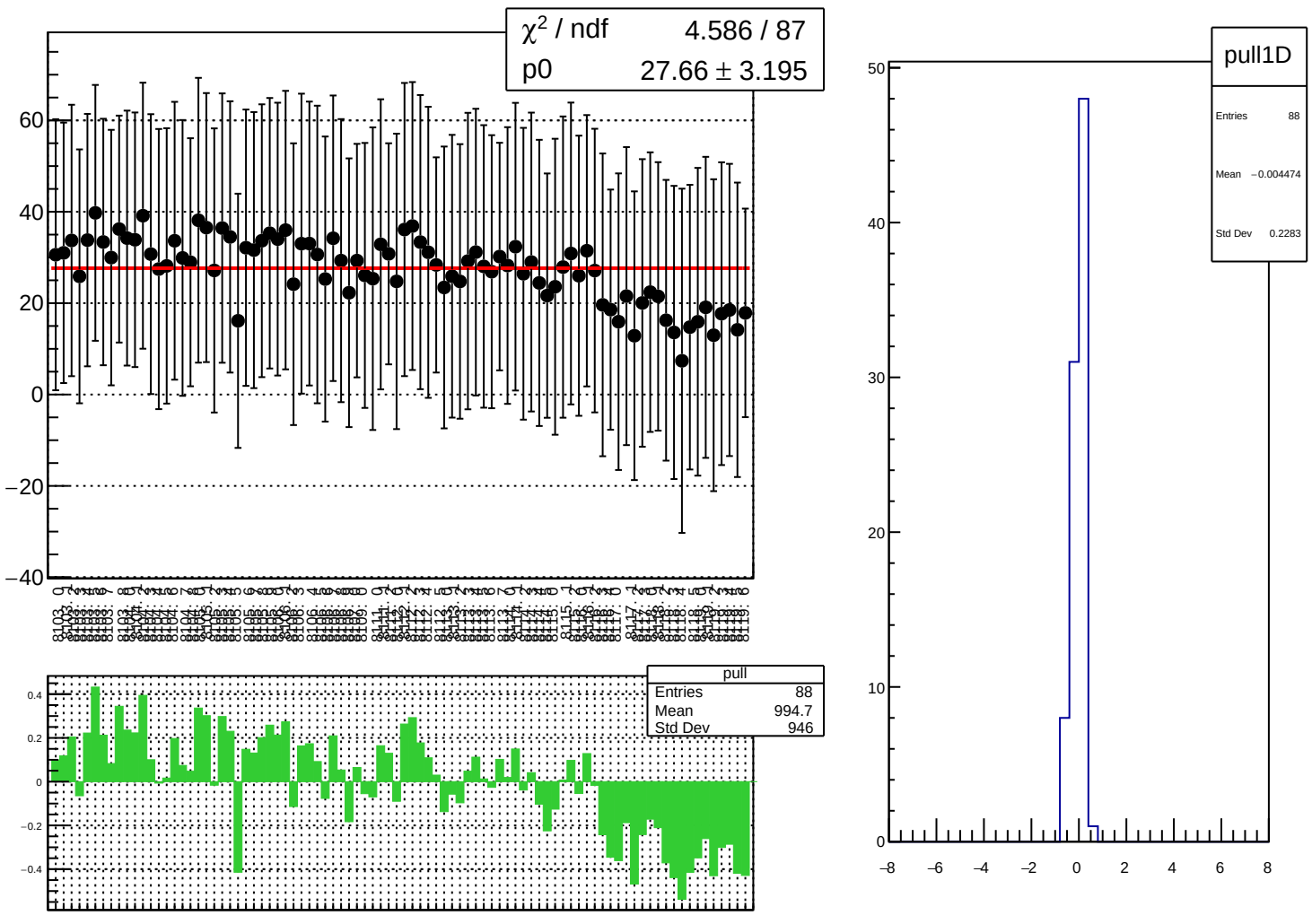

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.608 / 87
p0 −18.58 ± 1.991
pull
Entries 88
Mean 932.5
Std Dev 882.7

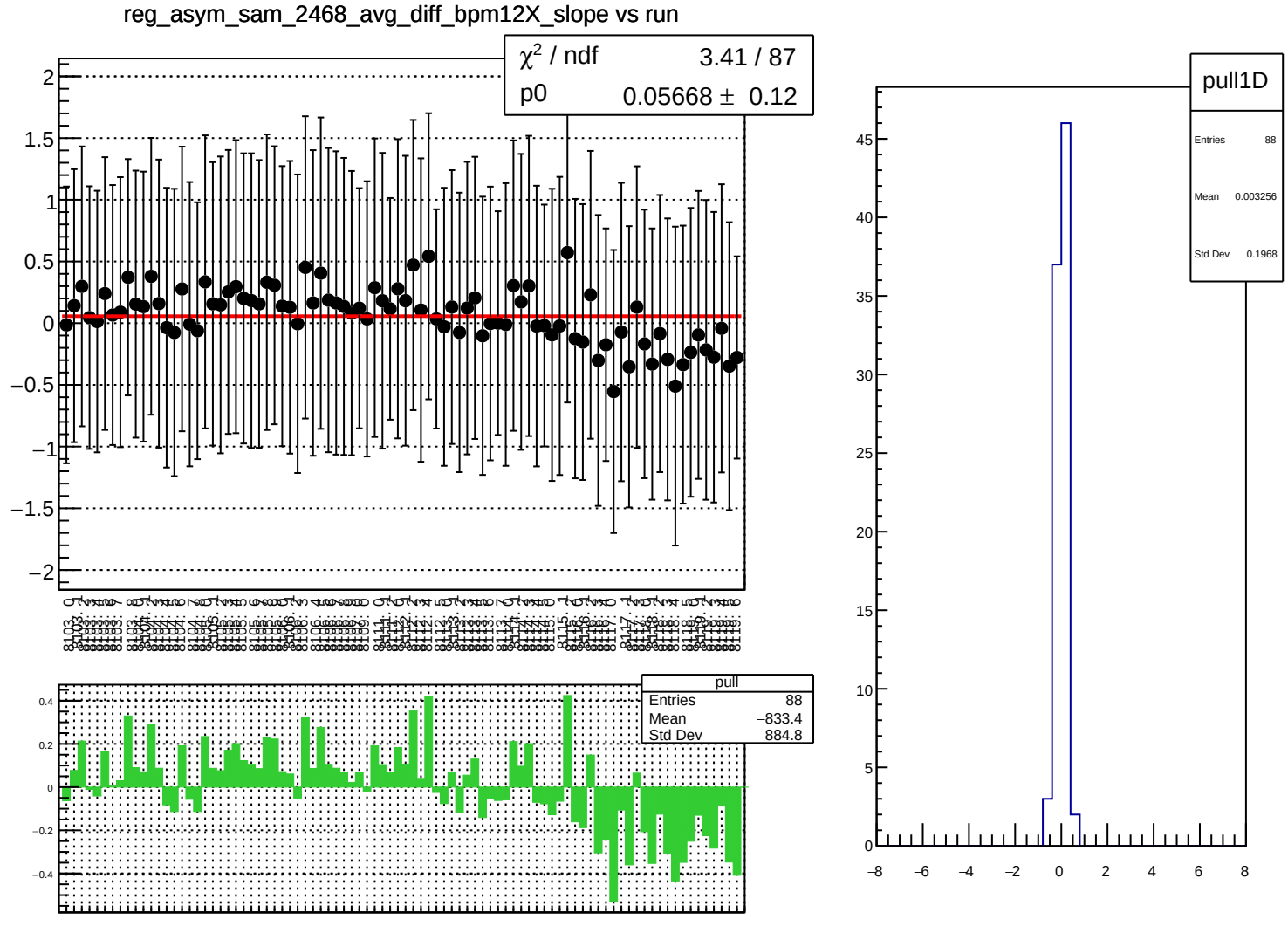

pull1D
Entries 88
Mean −0.001625
Std Dev 0.1352

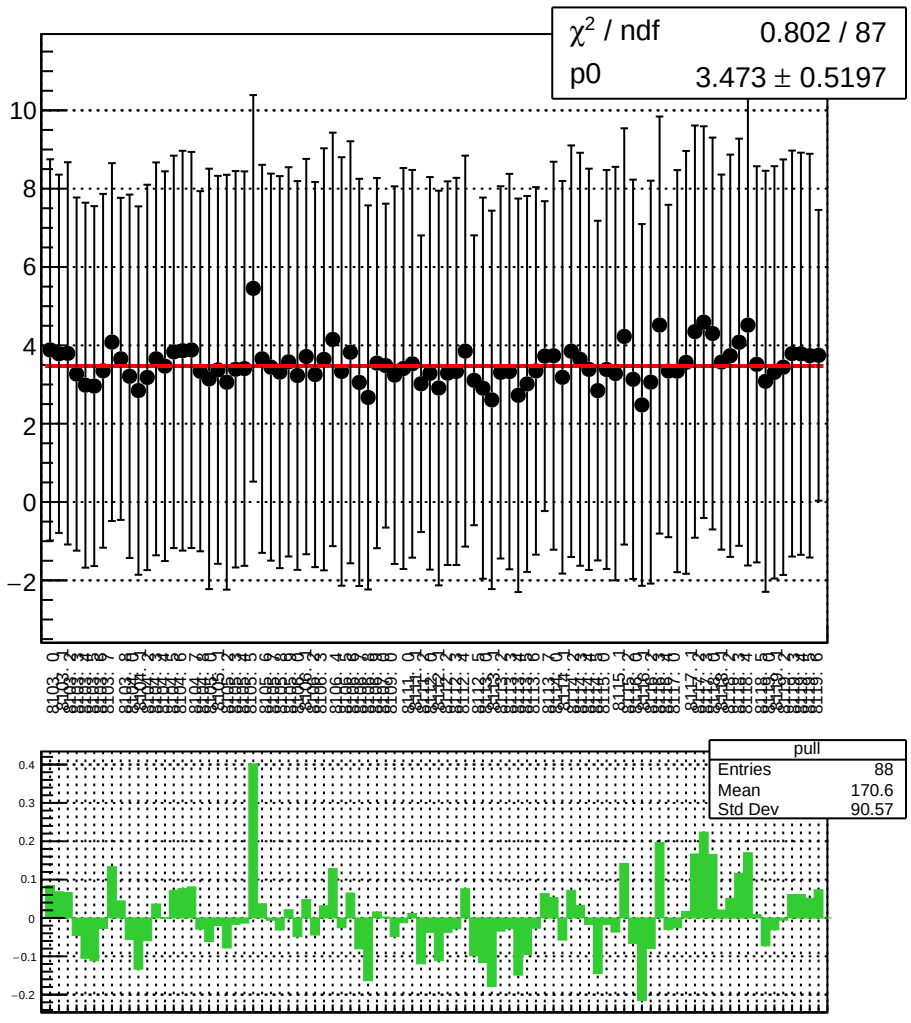

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.722 / 87
p0 10.44 ± 2.988
pull
Entries 88
Mean 1036
Std Dev 988.1

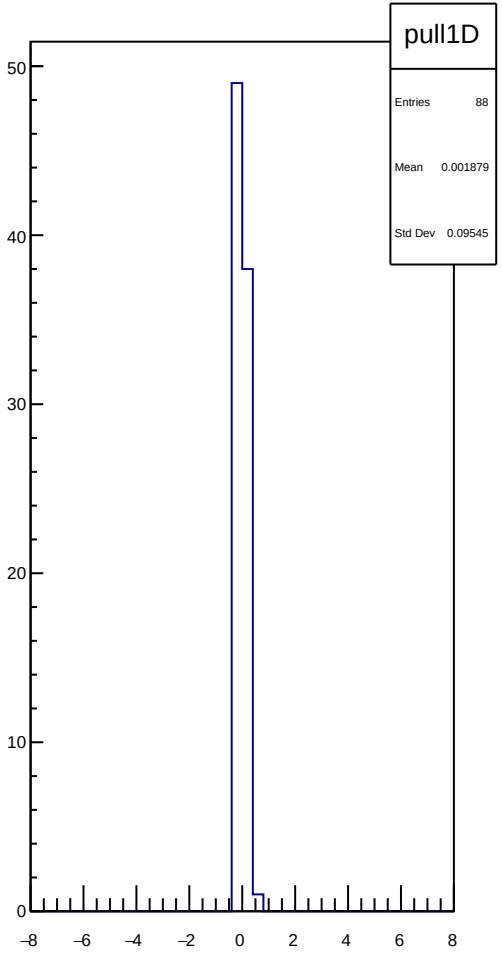

pull1D
Entries 88
Mean 0.004637
Std Dev 0.2316

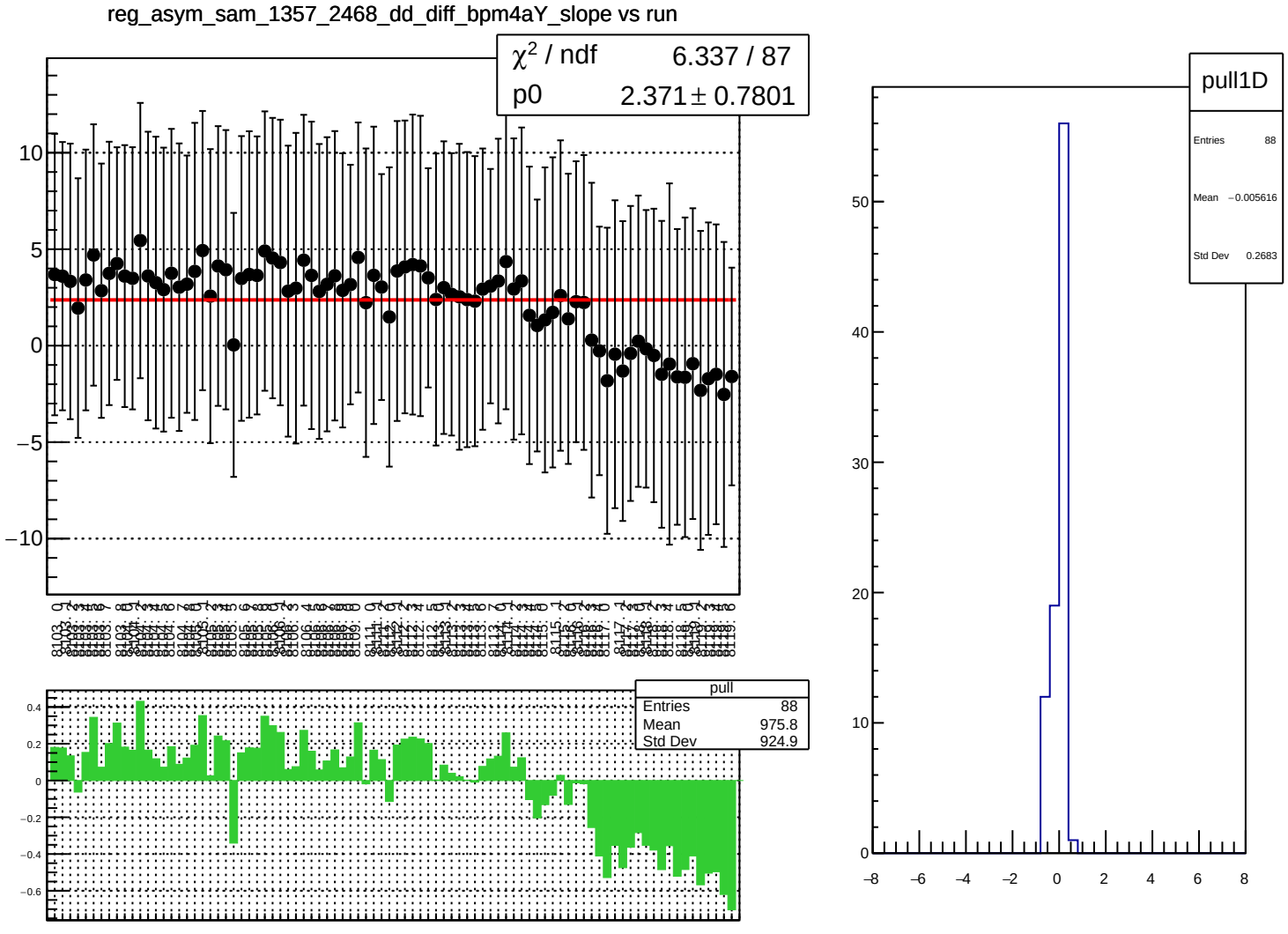

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.845 / 87
p0 −76.13 ± 1.893
pull
Entries 88
Mean 776.1
Std Dev 723.5
pull1D
Entries 88
Mean 0.001942
Std Dev 0.1448

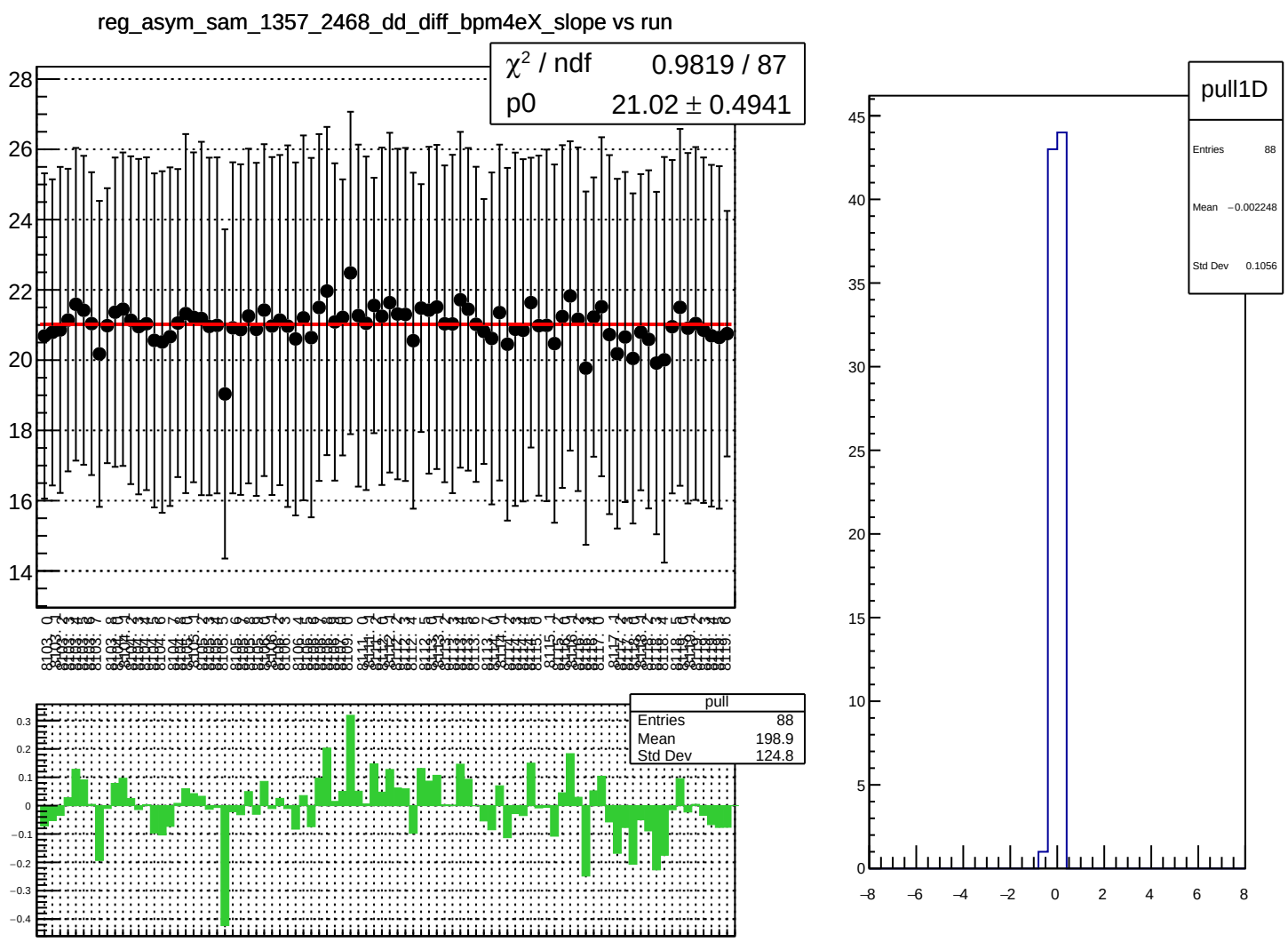

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.586 / 87
p0 27.66 ± 3.195
pull
Entries 88
Mean 994.7
Std Dev 946
pull1D
Entries 88
Mean −0.004474
Std Dev 0.2283

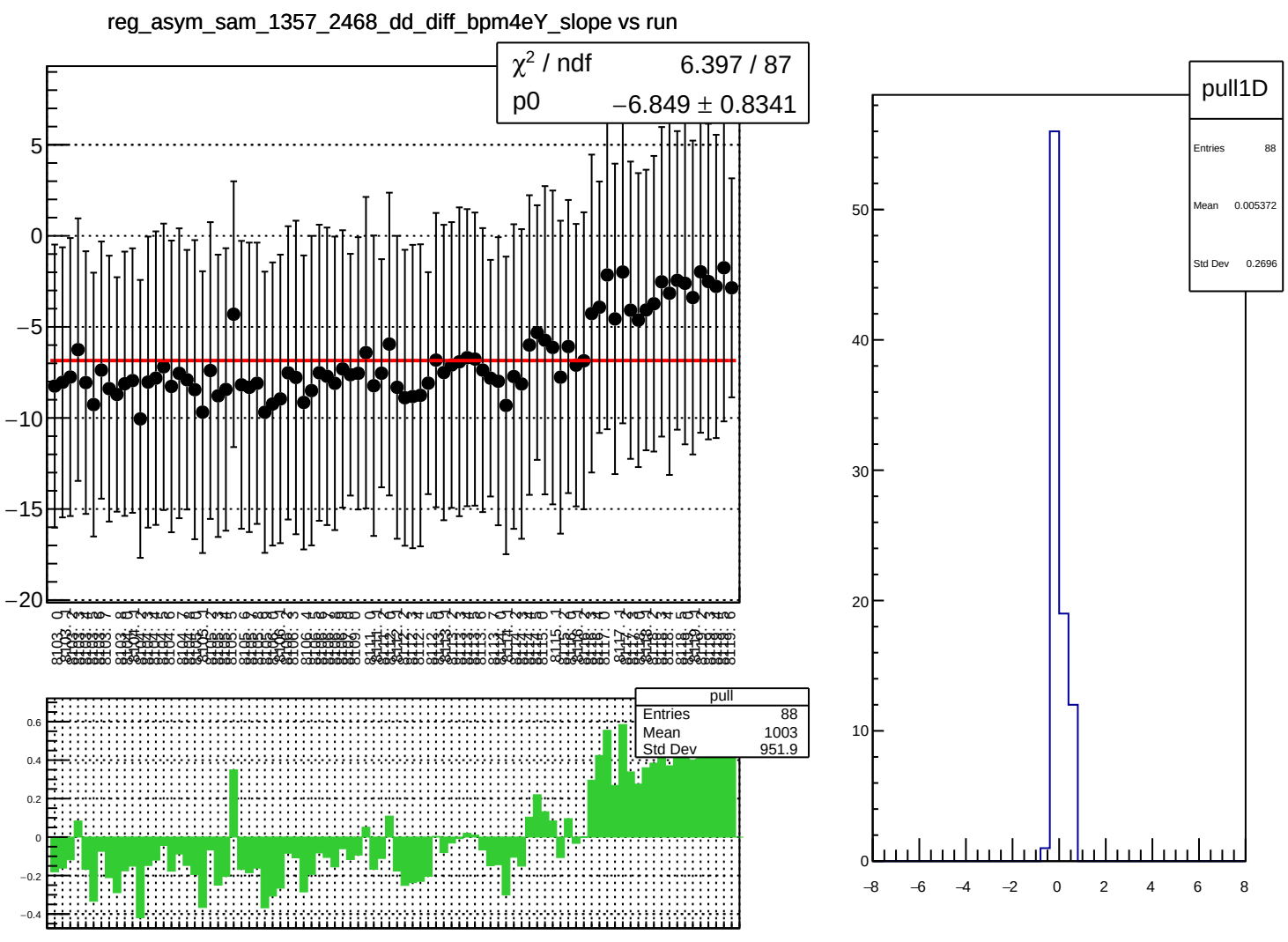

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.41 / 87
p0 0.05668 ± 0.12
pull
Entries 88
Mean −833.4
Std Dev 884.8
pull1D
Entries 88
Mean 0.003256
Std Dev 0.1968

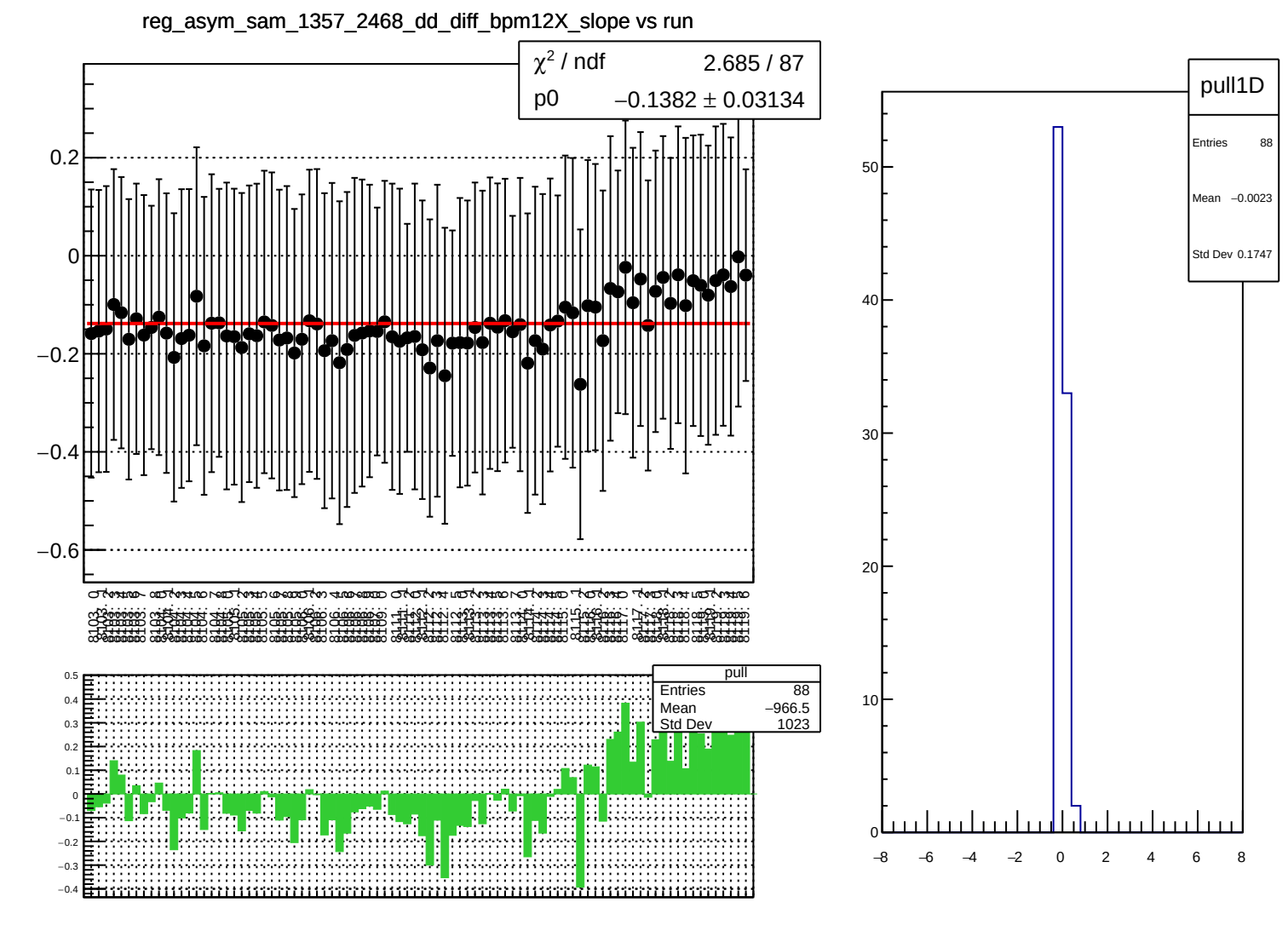

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 0.802 / 87
p0 3.473 ± 0.5197
pull
Entries 88
Mean 170.6
Std Dev 90.57

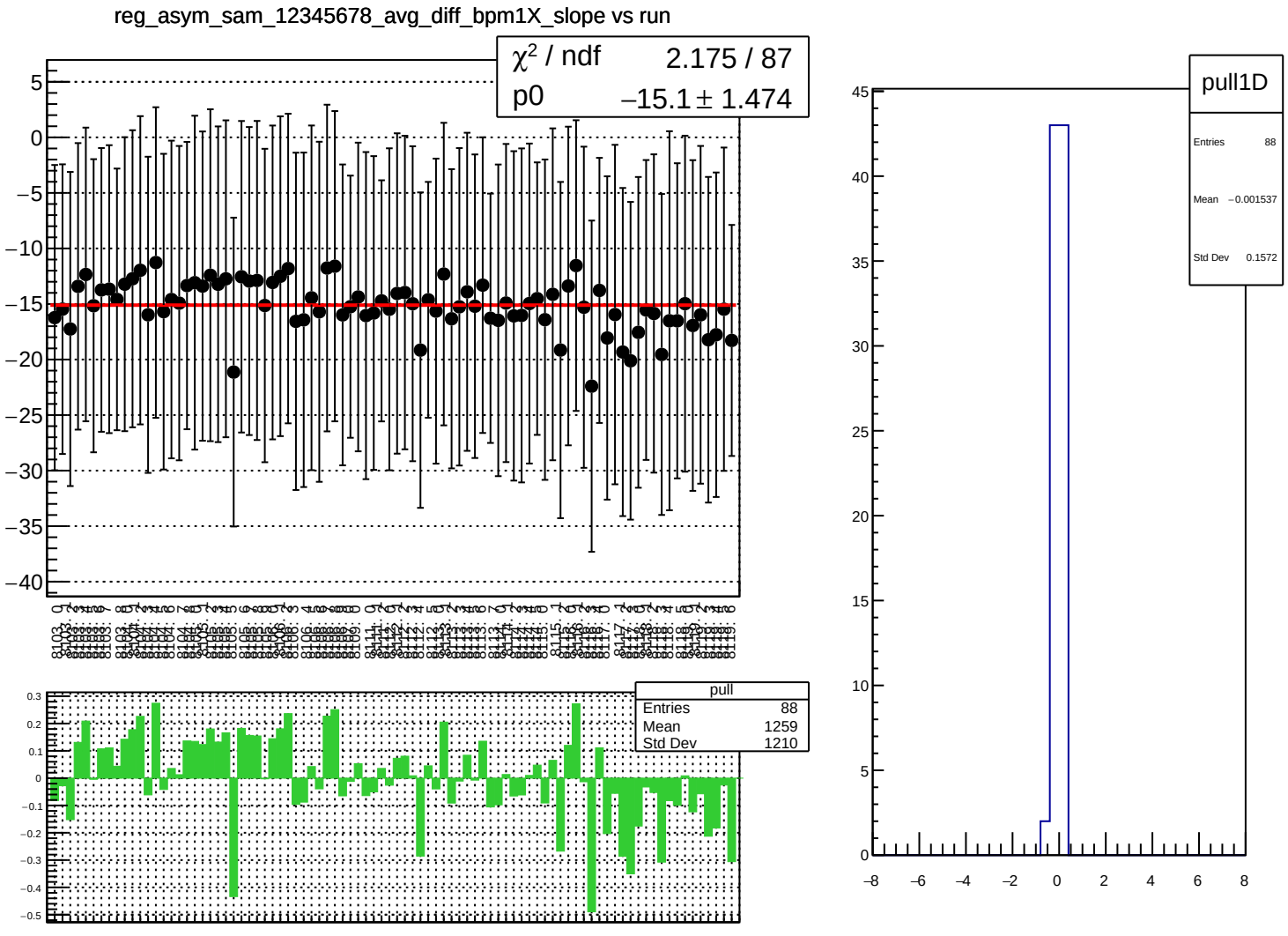

pull1D
Entries 88
Mean 0.001879
Std Dev 0.09545

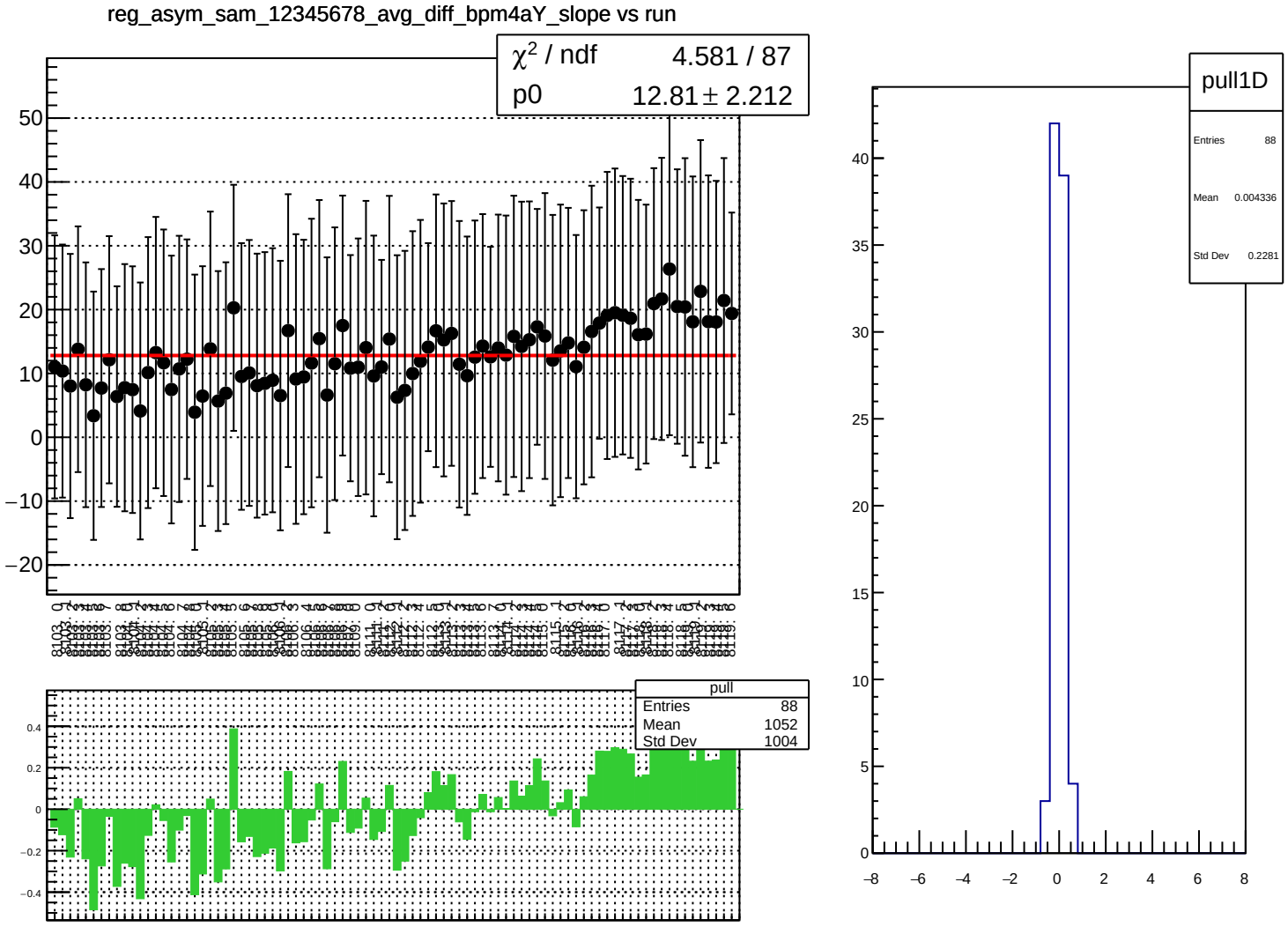

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.337 / 87
p0 2.371 ± 0.7801
10
5
0
−5
−10
pull
Entries 88
Mean 975.8
Std Dev 924.9
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 88
Mean −0.005616
Std Dev 0.2683
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

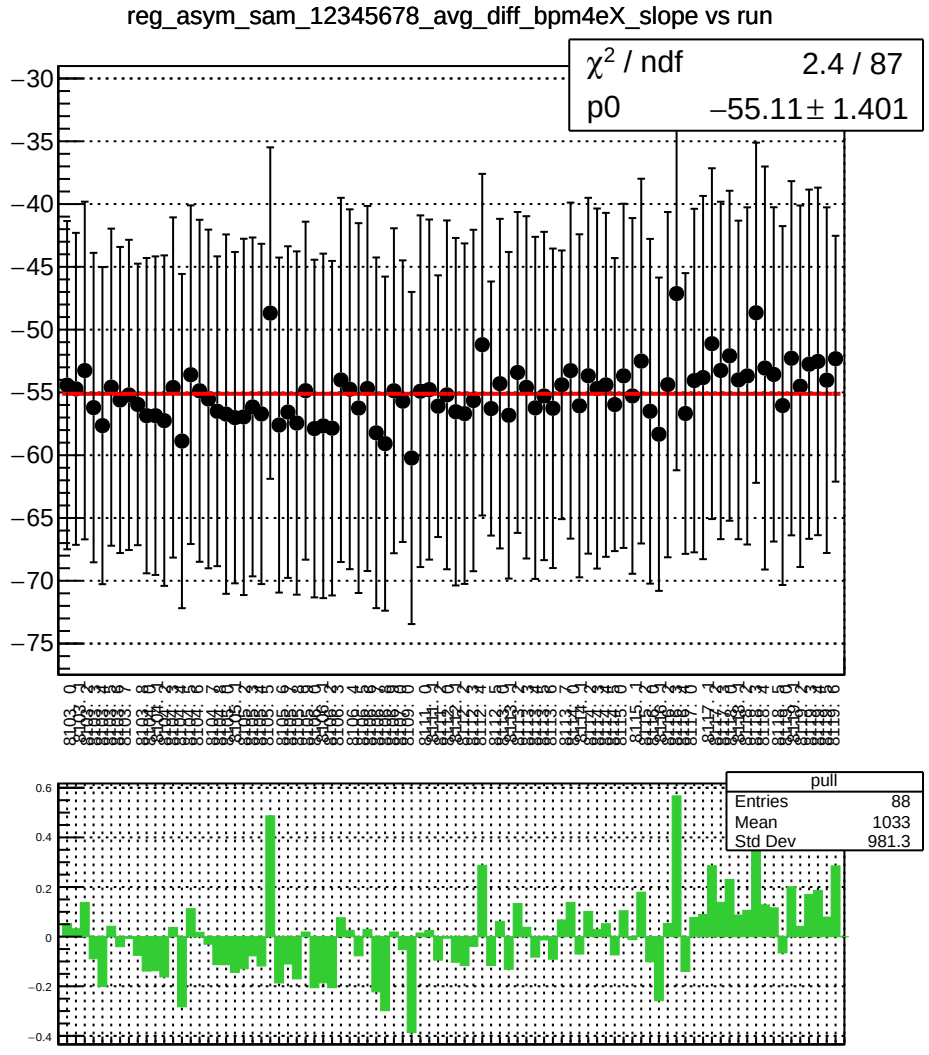

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9819 / 87
p0 21.02 ± 0.4941
pull
Entries 88
Mean 198.9
Std Dev 124.8
pull1D
Entries 88
Mean −0.002248
Std Dev 0.1056

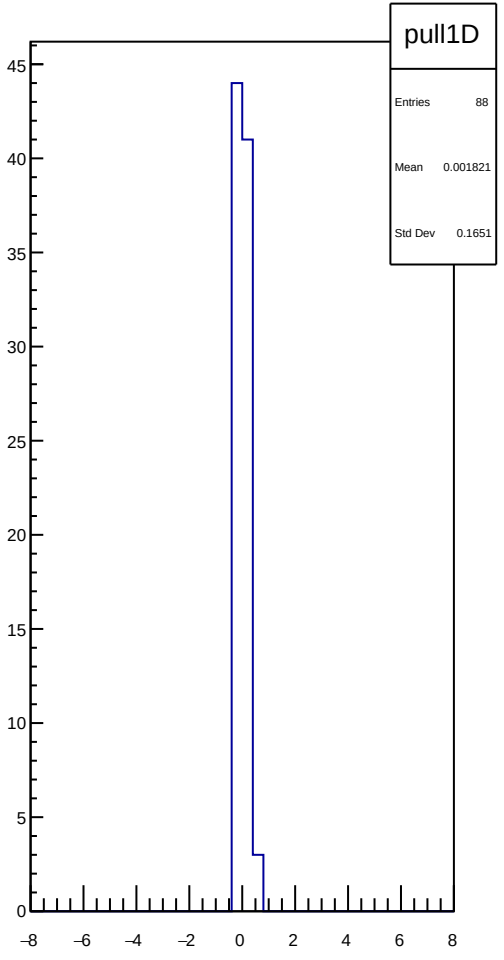

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.397 / 87
p0 −6.849 ± 0.8341
pull
Entries 88
Mean 1003
Std Dev 951.9
pull1D
Entries 88
Mean 0.005372
Std Dev 0.2696

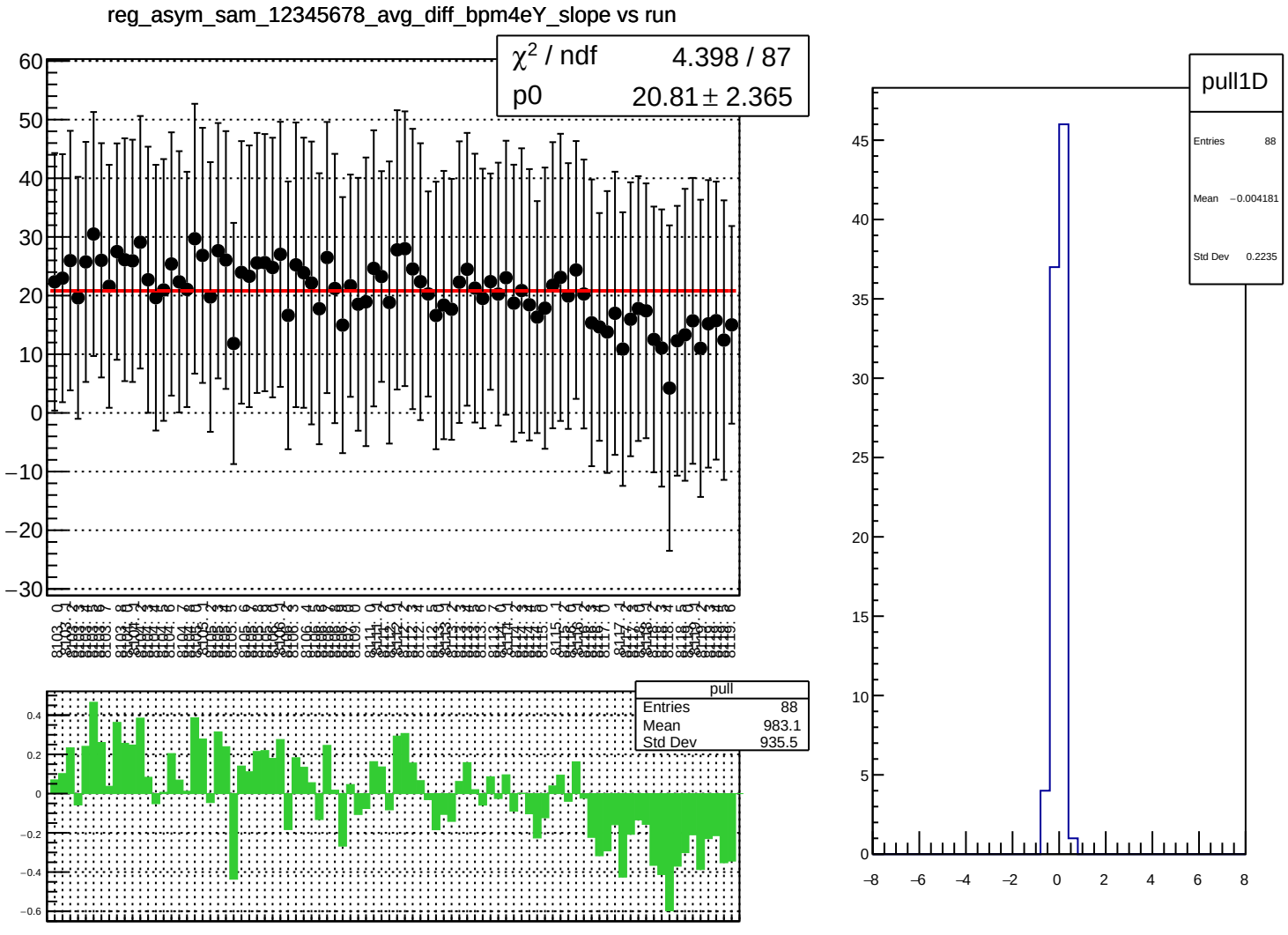

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.685 / 87
p0 −0.1382 ± 0.03134
pull
Entries 88
Mean −966.5
Std Dev 1023
pull1D
Entries 88
Mean −0.0023
Std Dev 0.1747

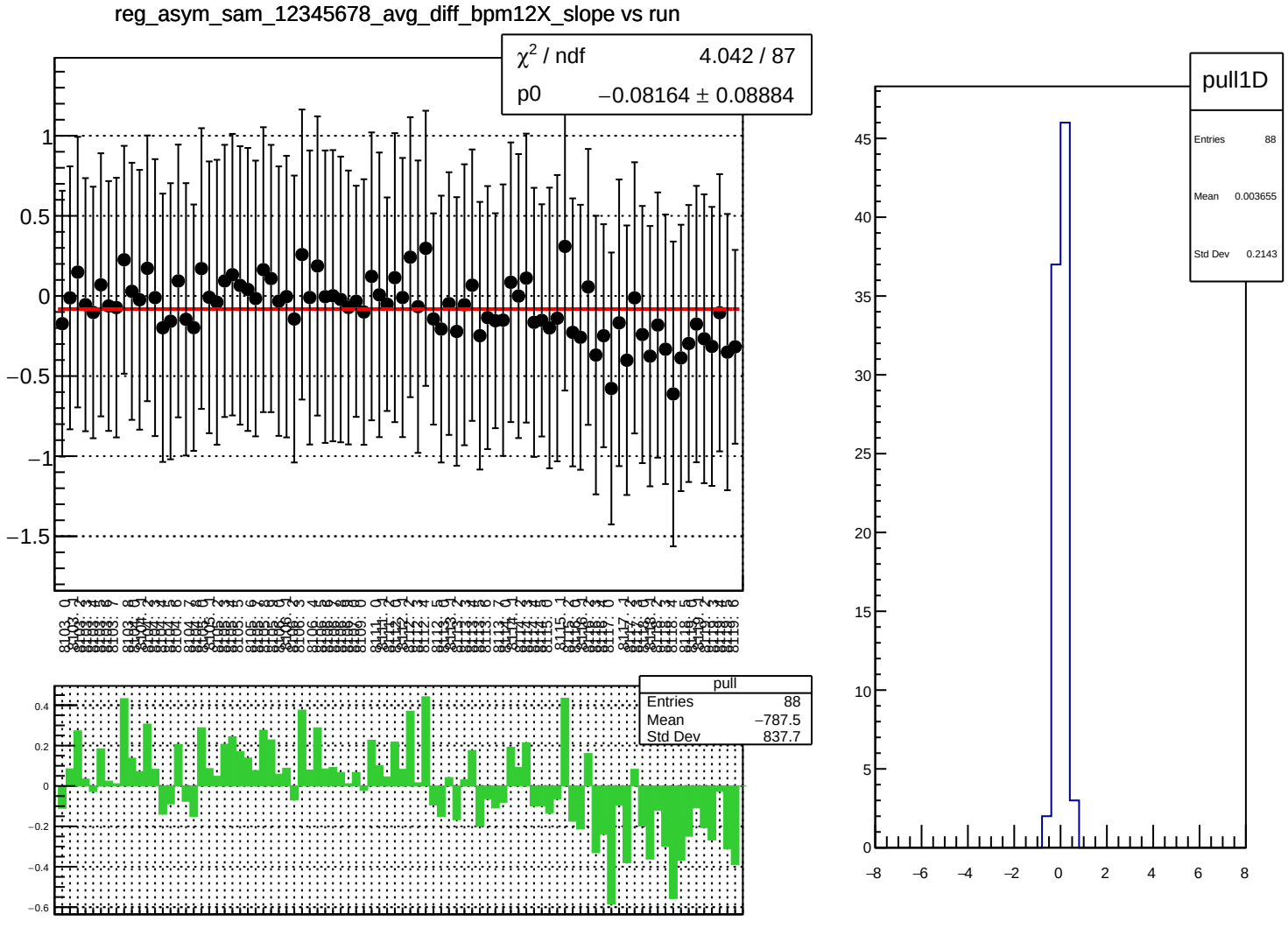

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 2.175 / 87
p0 −15.1 ± 1.474
pull
Entries 88
Mean 1259
Std Dev 1210
pull1D
Entries 88
Mean −0.001537
Std Dev 0.1572

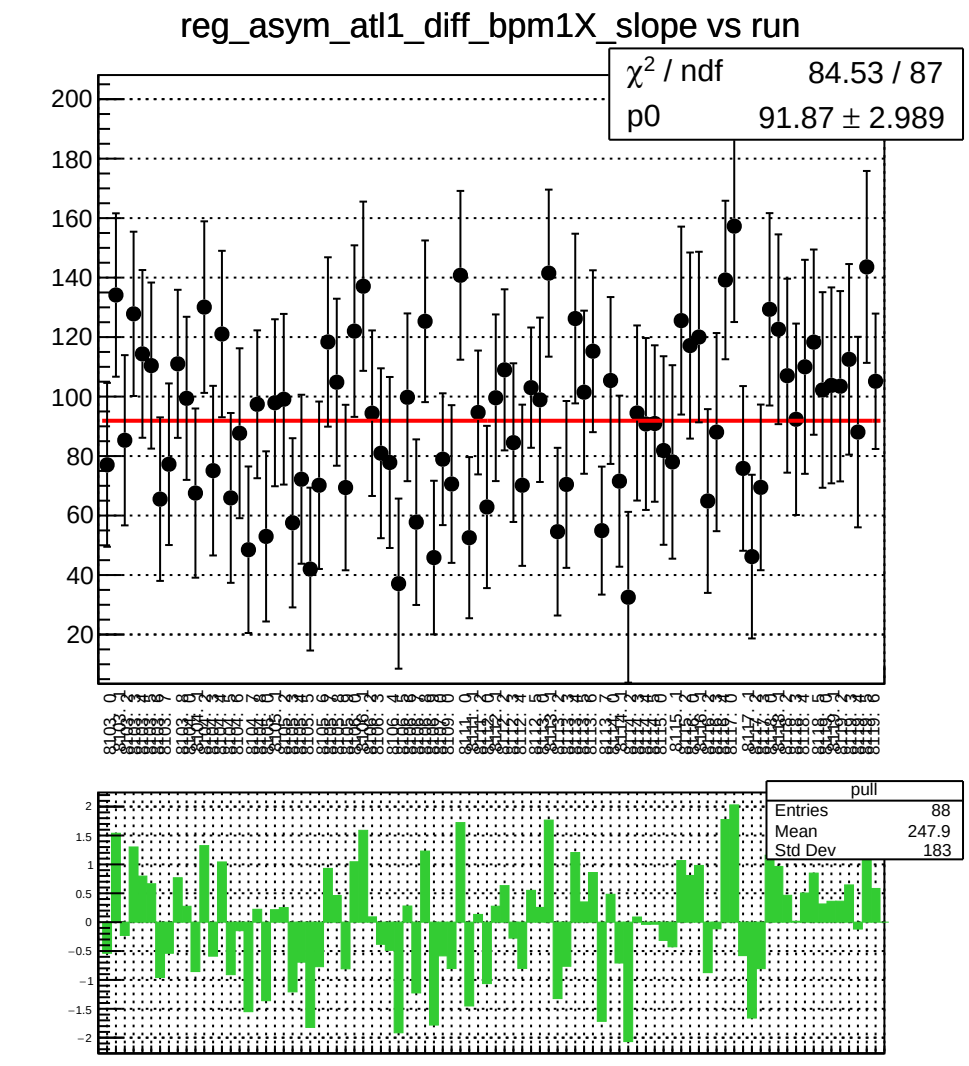

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.581 / 87
p0 12.81 ± 2.212
pull
Entries 88
Mean 1052
Std Dev 1004
pull1D
Entries 88
Mean 0.004336
Std Dev 0.2281

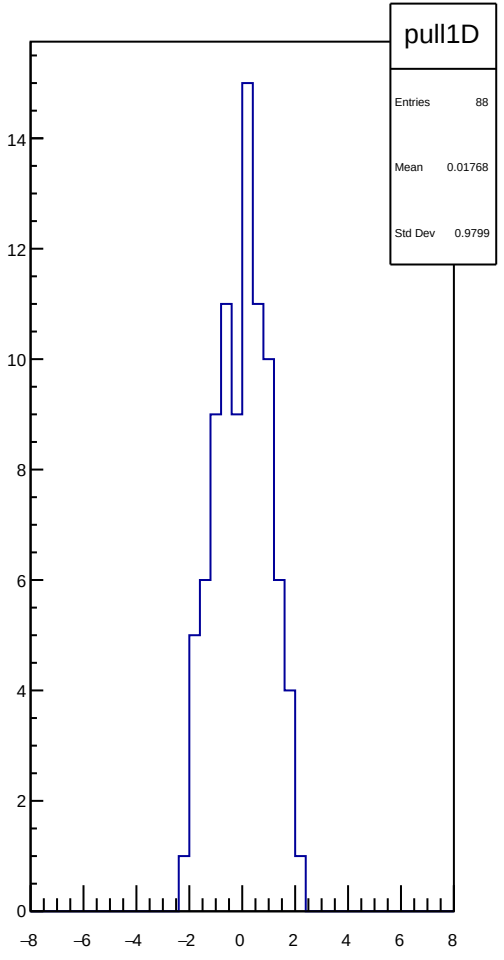

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.4 / 87
p0 −55.11 ± 1.401
pull
Entries 88
Mean 1033
Std Dev 981.3

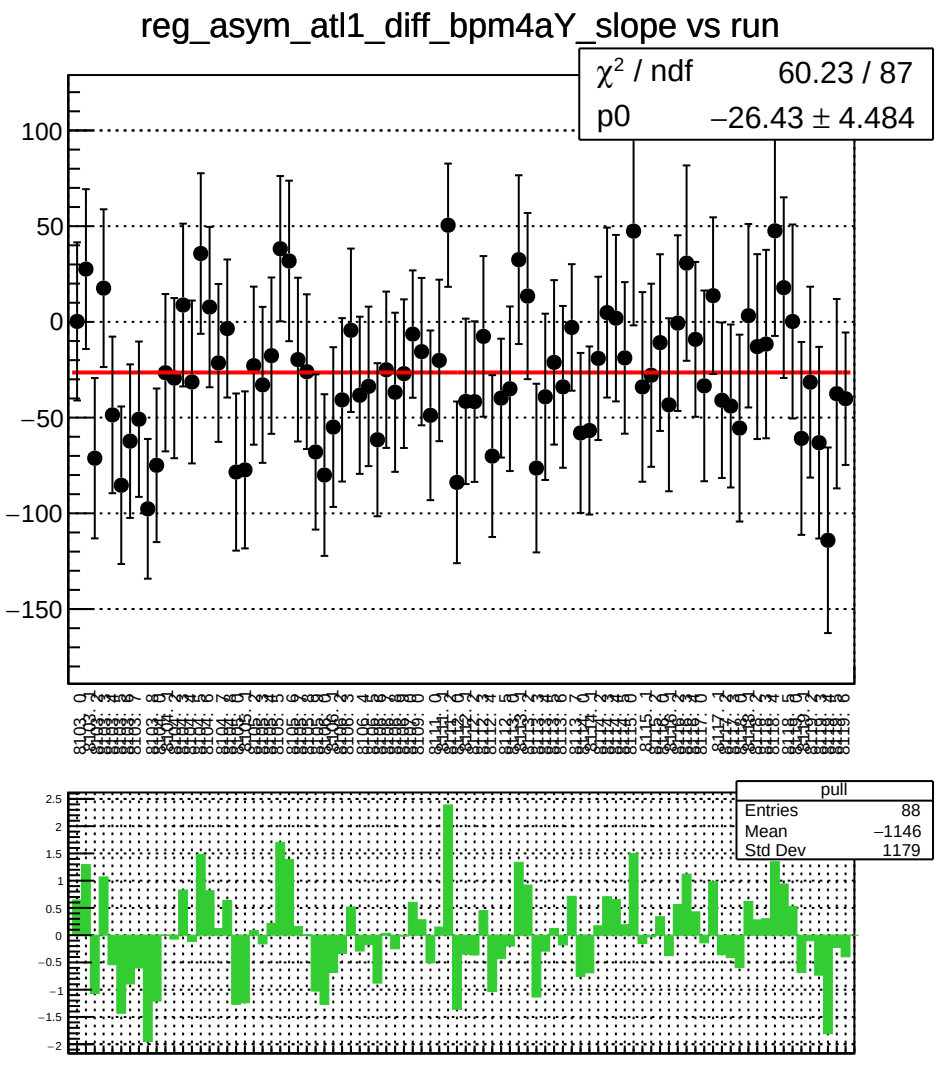

pull1D
Entries 88
Mean 0.001821
Std Dev 0.1651

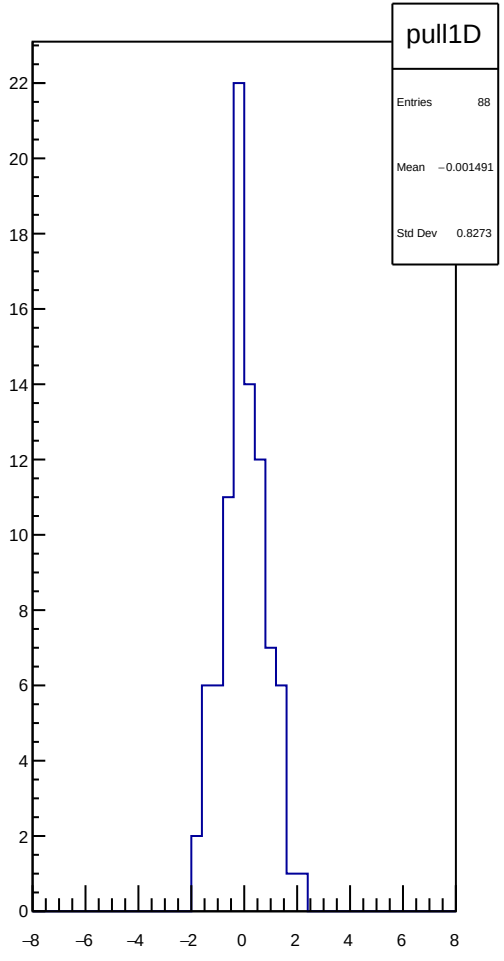

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.398 / 87
p0 20.81 ± 2.365
pull
Entries 88
Mean 983.1
Std Dev 935.5
pull1D
Entries 88
Mean −0.004181
Std Dev 0.2235

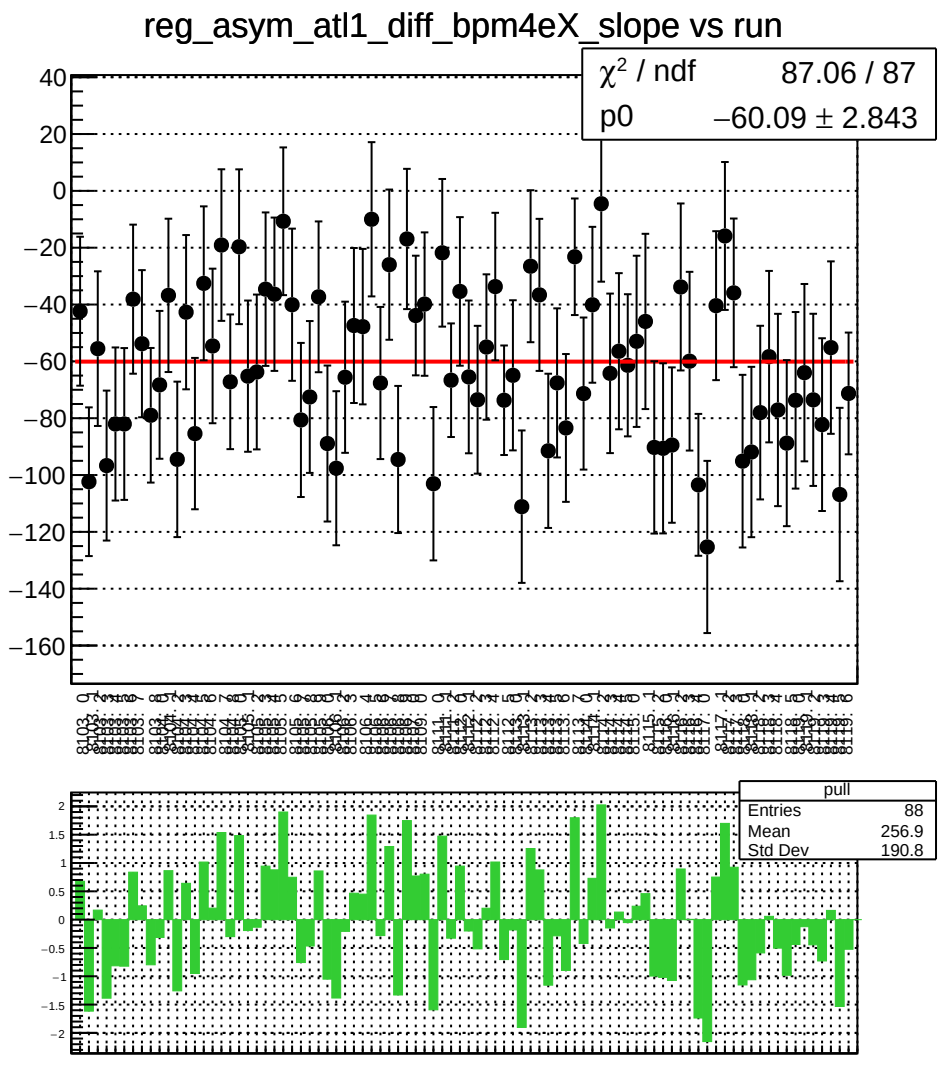

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.042 / 87
p0 −0.08164 ± 0.08884
pull
Entries 88
Mean −787.5
Std Dev 837.7
pull1D
Entries 88
Mean 0.003655
Std Dev 0.2143

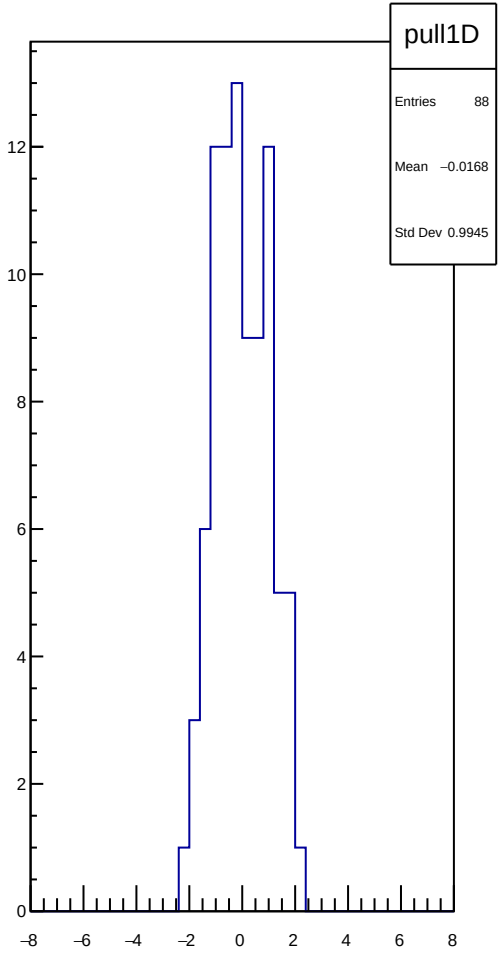

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 84.53 / 87
p0 91.87 ± 2.989
pull
Entries 88
Mean 247.9
Std Dev 183

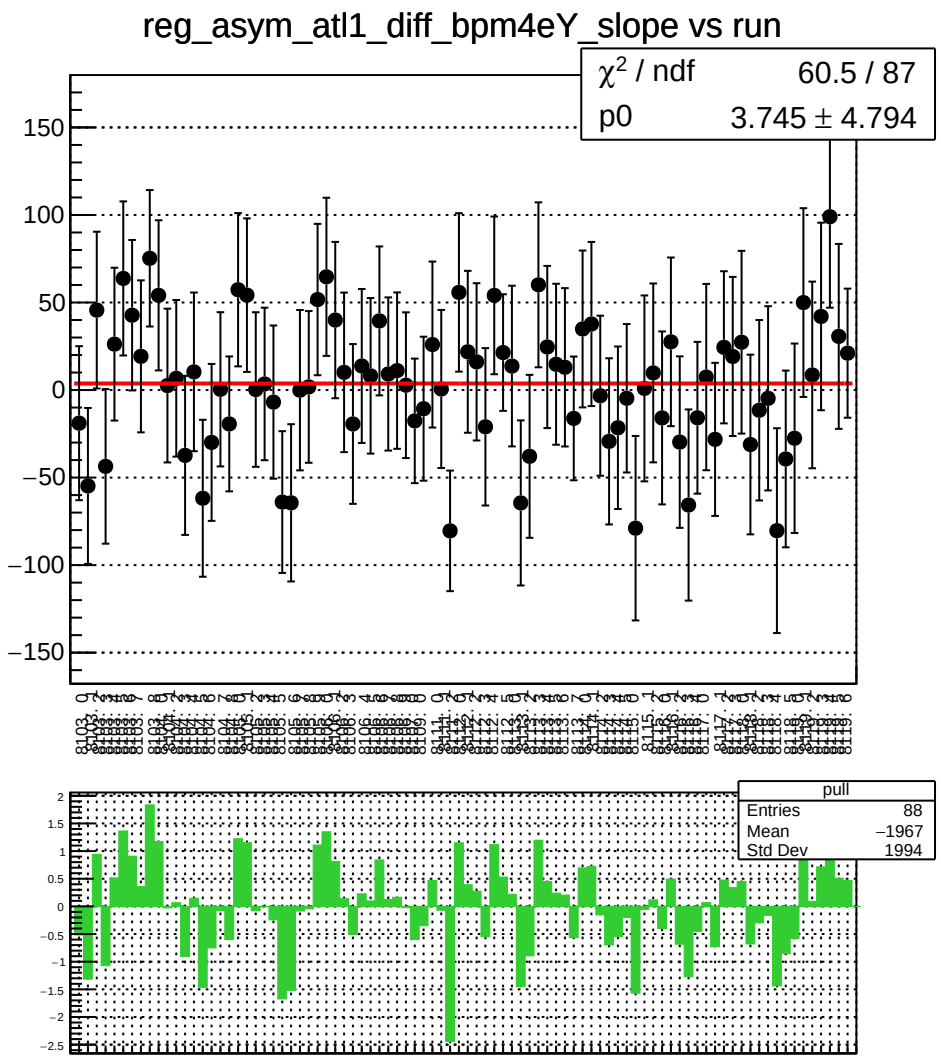

pull1D
Entries 88
Mean 0.01768
Std Dev 0.9799

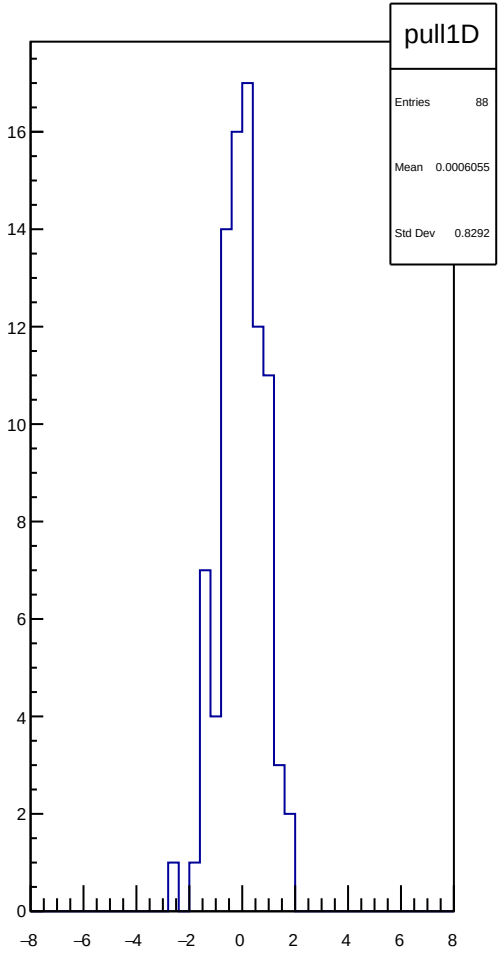

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 60.23 / 87
p0 −26.43 ± 4.484
100
50
0
−50
−100
−150
pull
Entries 88
Mean −1146
Std Dev 1179
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

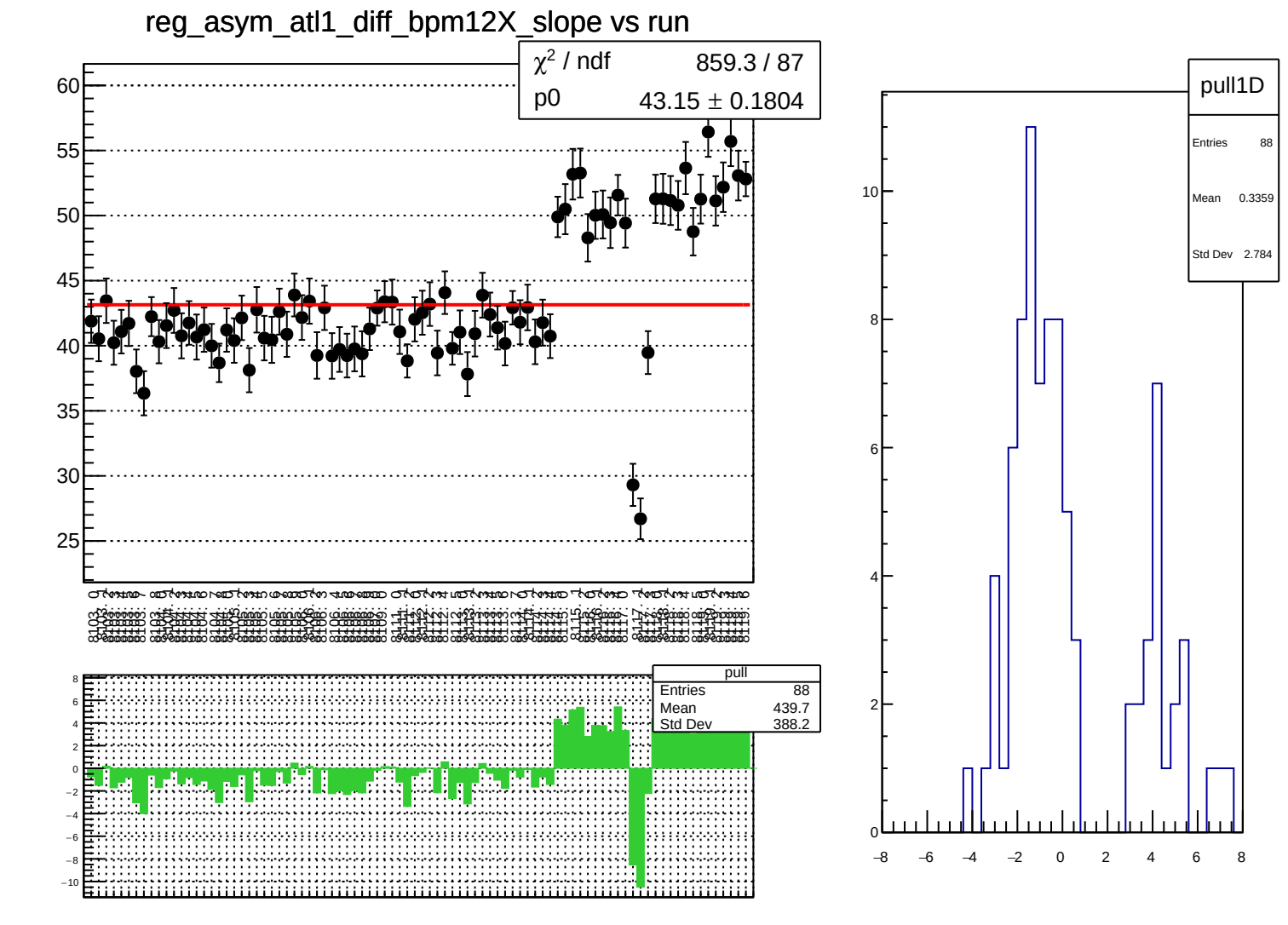

pull1D
Entries 88
Mean −0.001491
Std Dev 0.8273
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

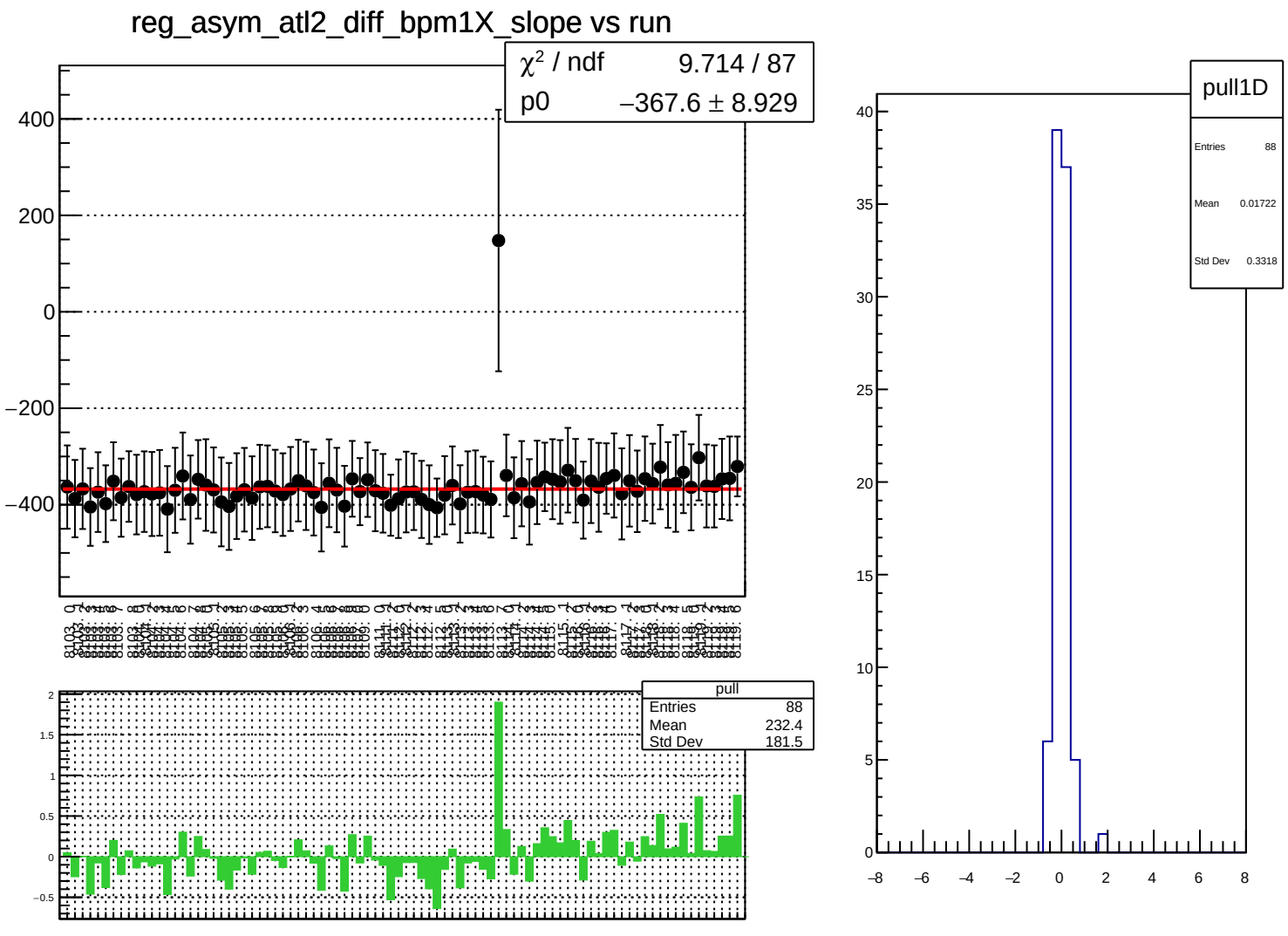

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 87.06 / 87
p0 −60.09 ± 2.843
pull
Entries 88
Mean 256.9
Std Dev 190.8

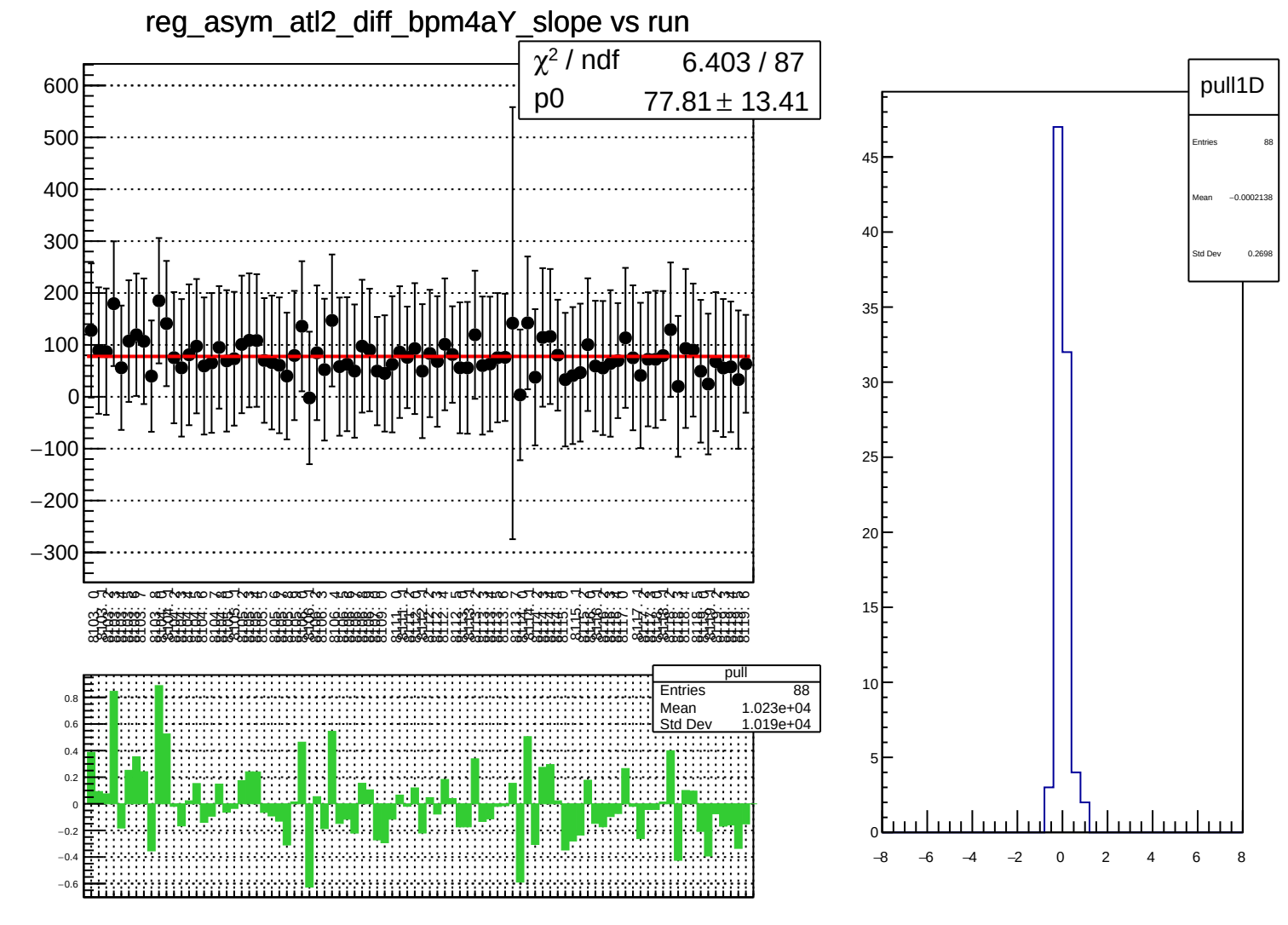

pull1D
Entries 88
Mean −0.0168
Std Dev 0.9945

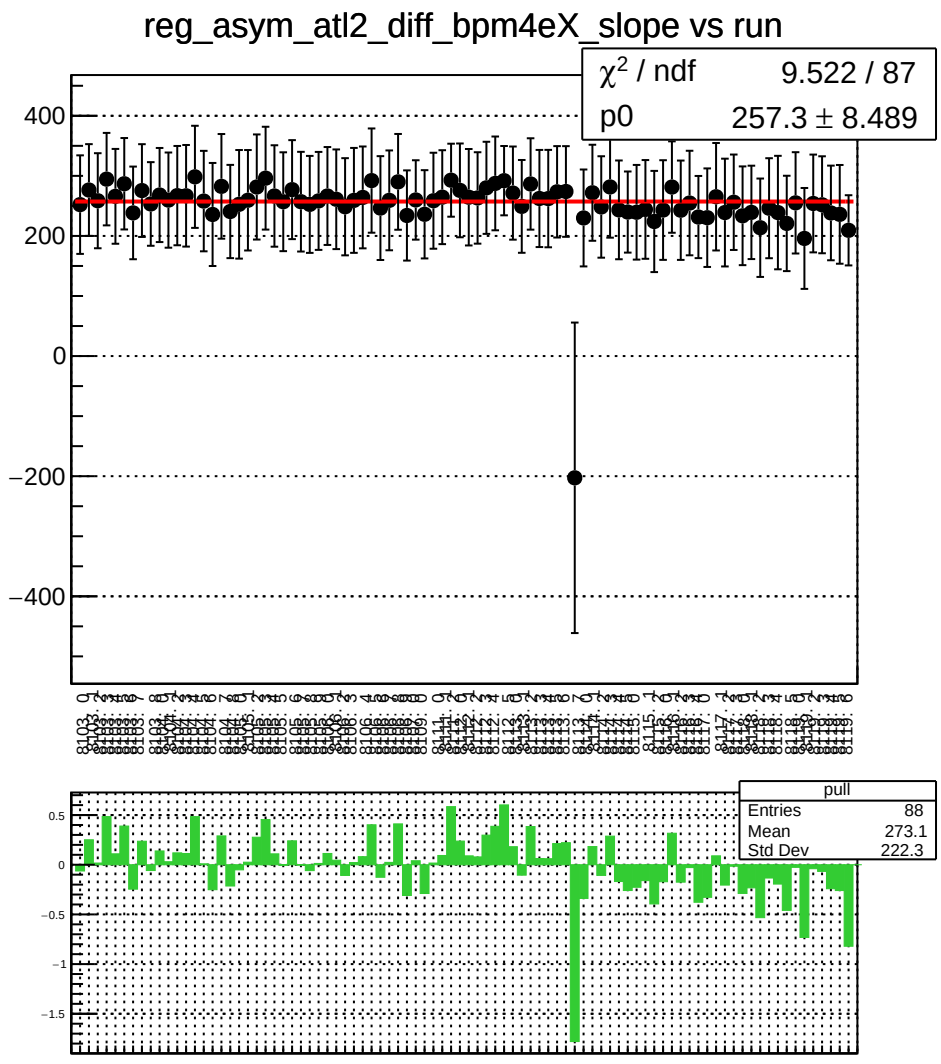

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 60.5 / 87
p0 3.745 ± 4.794
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean −1967
Std Dev 1994
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

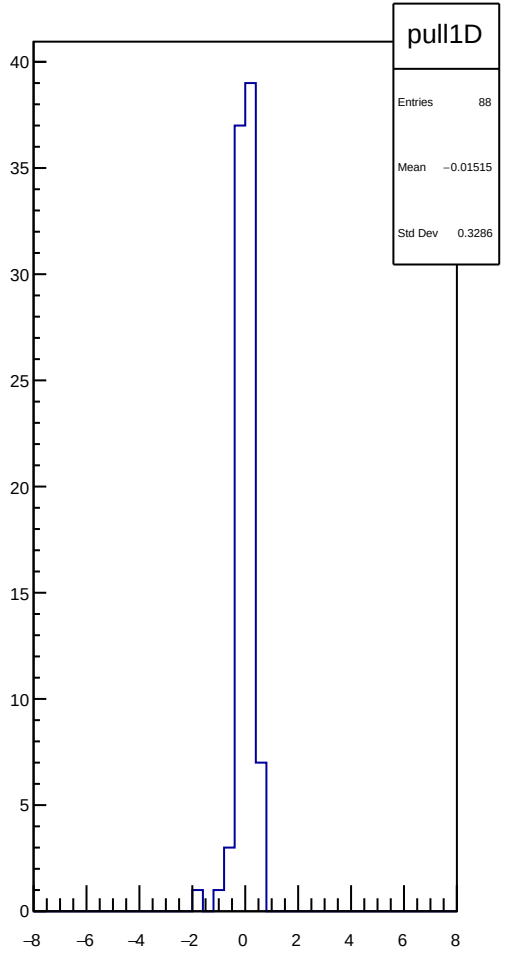

pull1D
Entries 88
Mean 0.0006055
Std Dev 0.8292
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

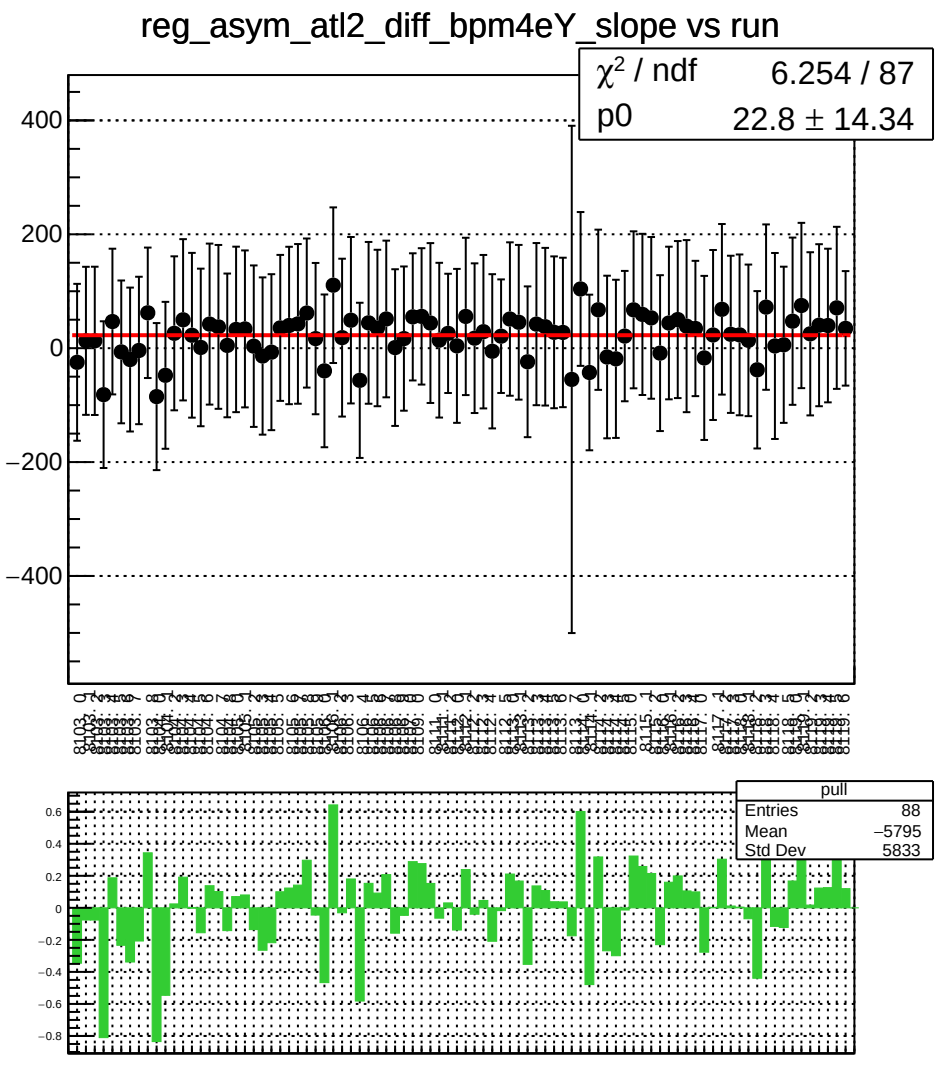

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 859.3 / 87
p0 43.15 ± 0.1804
pull
Entries 88
Mean 439.7
Std Dev 388.2
pull1D
Entries 88
Mean 0.3359
Std Dev 2.784

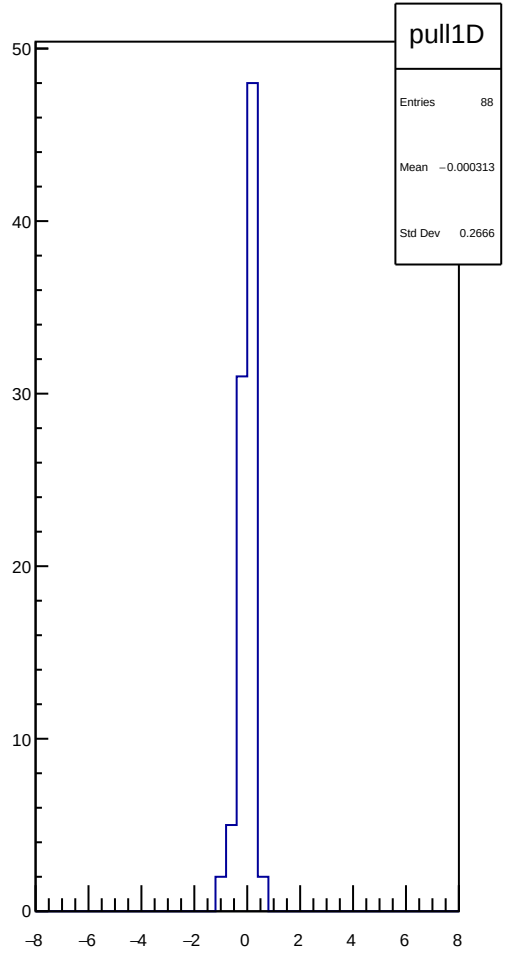

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 9.714 / 87
p0 −367.6 ± 8.929
400
200
0
−200
−400
pull
Entries 88
Mean 232.4
Std Dev 181.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 88
Mean 0.01722
Std Dev 0.3318
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

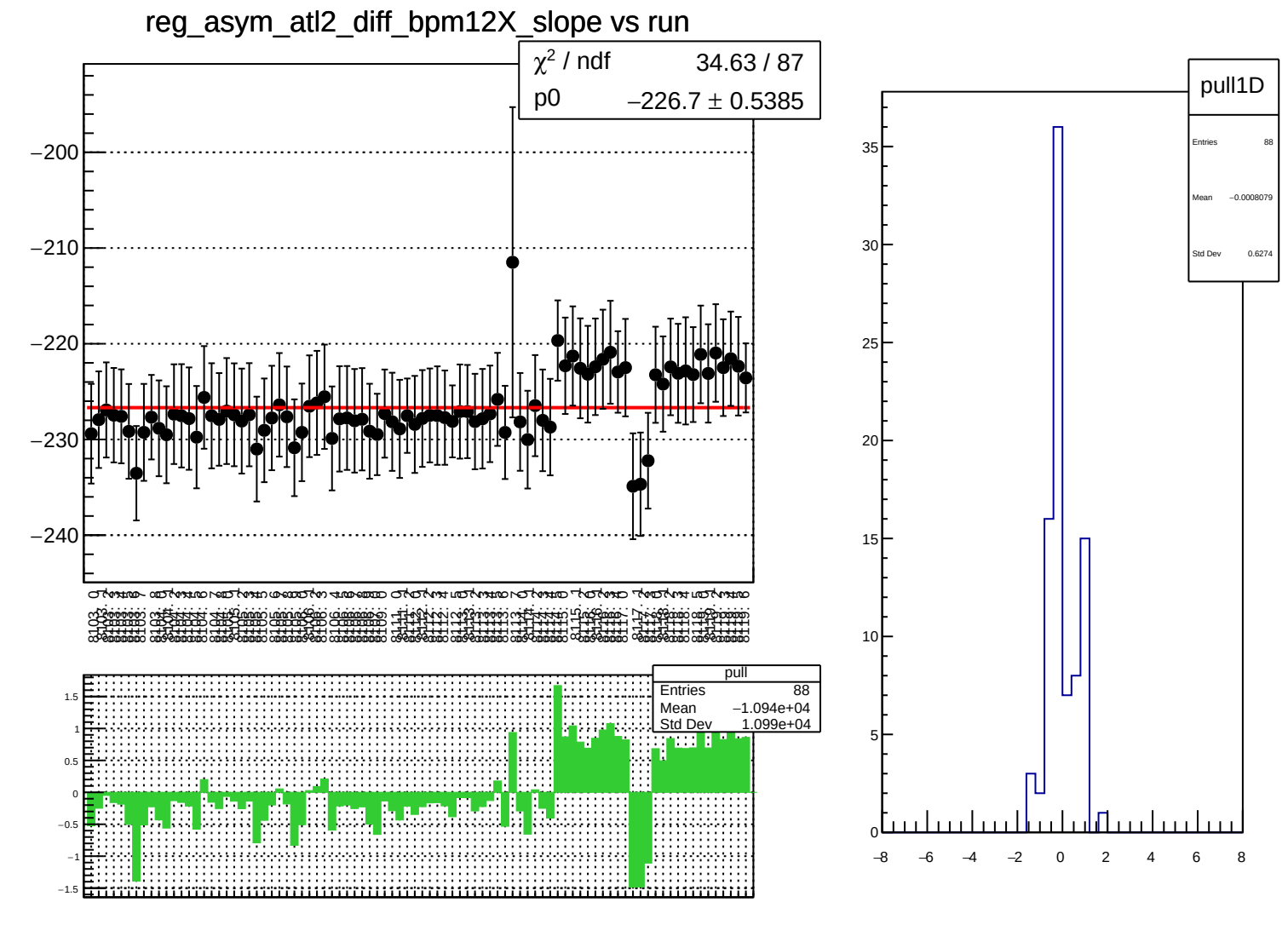

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 6.403 / 87
p0 77.81 ± 13.41
pull
Entries 88
Mean 1.023e+04
Std Dev 1.019e+04
pull1D
Entries 88
Mean −0.0002138
Std Dev 0.2698

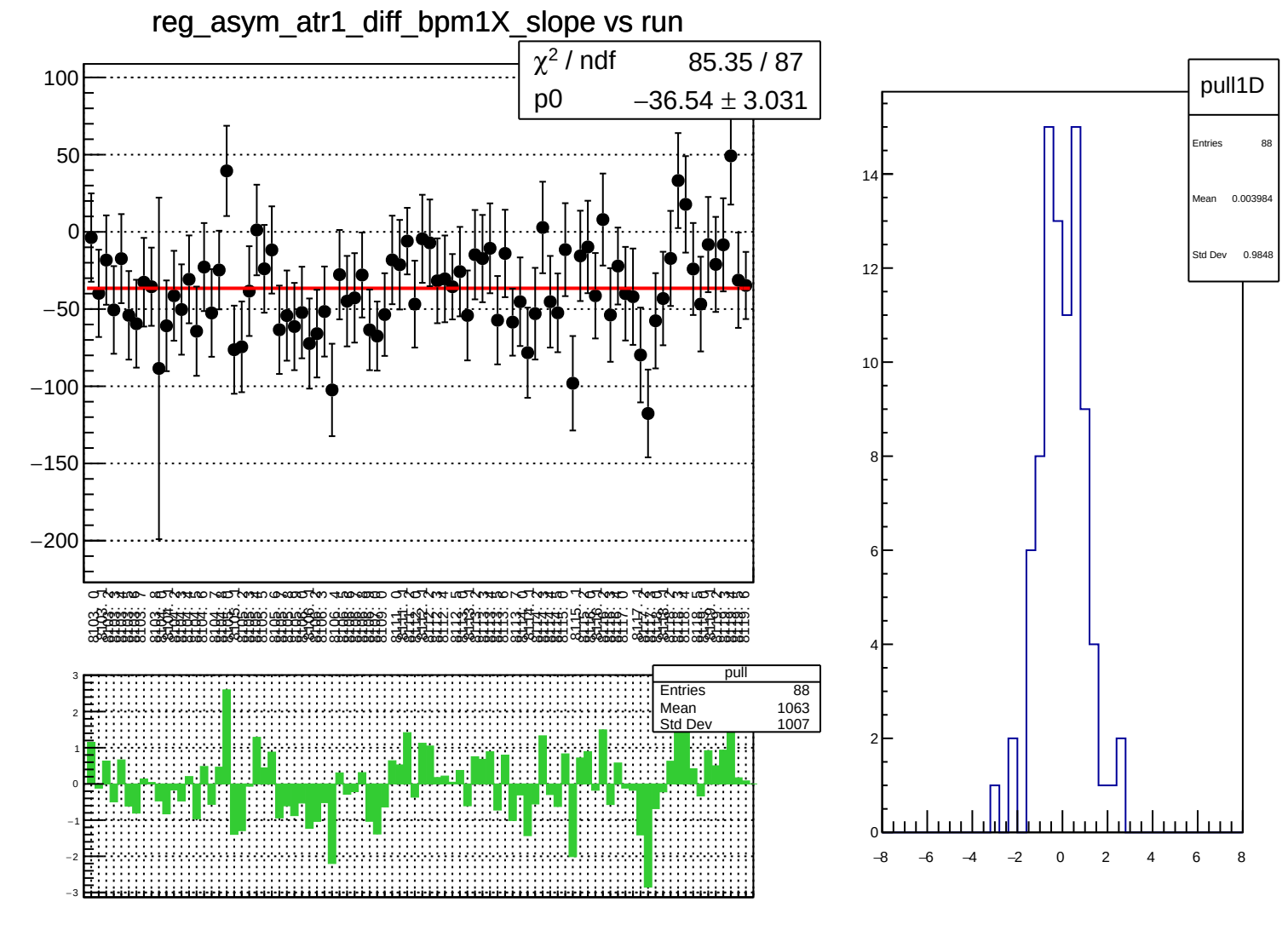

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 9.522 / 87
p0 257.3 ± 8.489
400
200
0
−200
−400
pull
Entries 88
Mean 273.1
Std Dev 222.3
0.5
0
−0.5
−1
−1.5

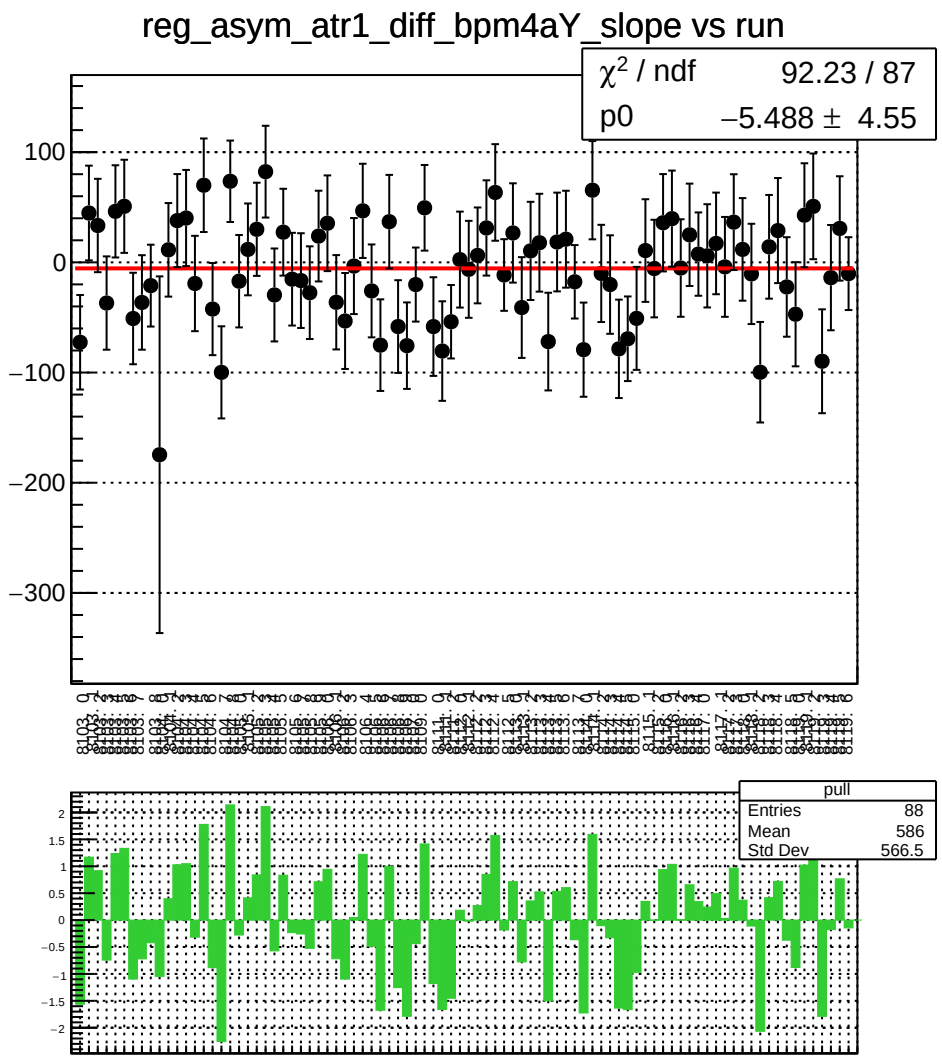

pull1D
Entries 88
Mean −0.01515
Std Dev 0.3286
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

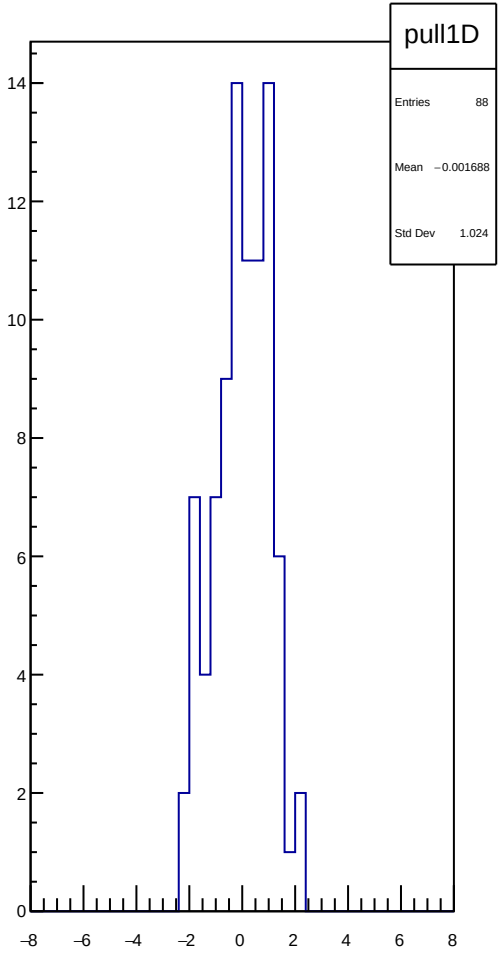

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 6.254 / 87
p0 22.8 ± 14.34
400
200
0
−200
−400
pull
Entries 88
Mean −5795
Std Dev 5833
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

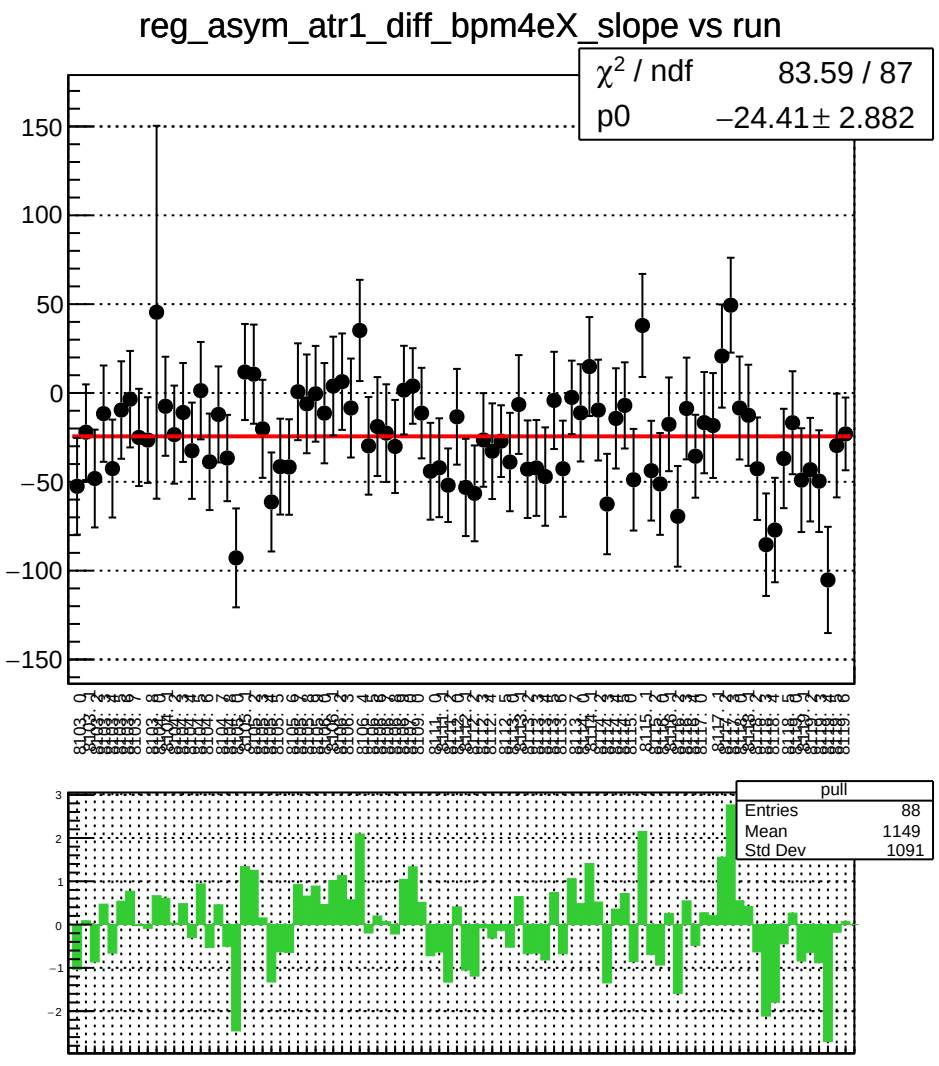

pull1D
Entries 88
Mean −0.000313
Std Dev 0.2666
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

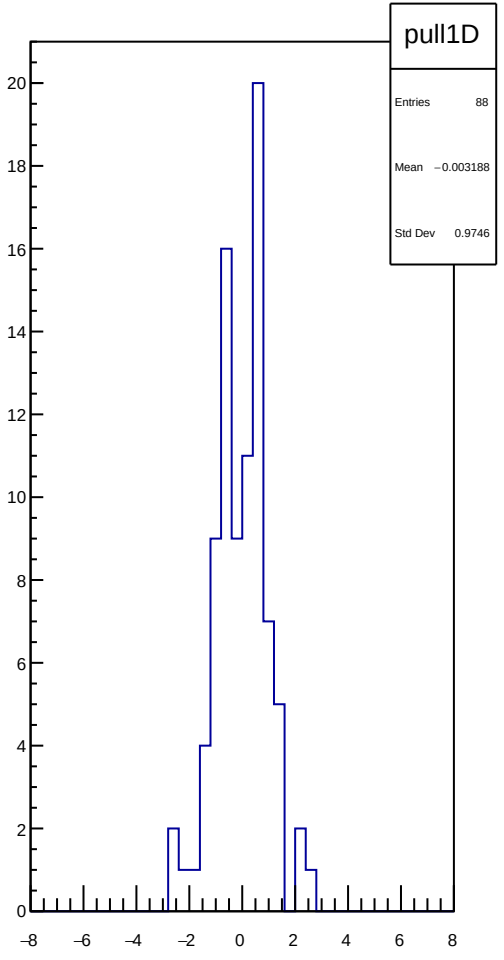

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 34.63 / 87
p0 −226.7 ± 0.5385
−200
−210
−220
−230
−240
pull
Entries 88
Mean −1.094e+04
Std Dev 1.099e+04
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.0008079
Std Dev 0.6274
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

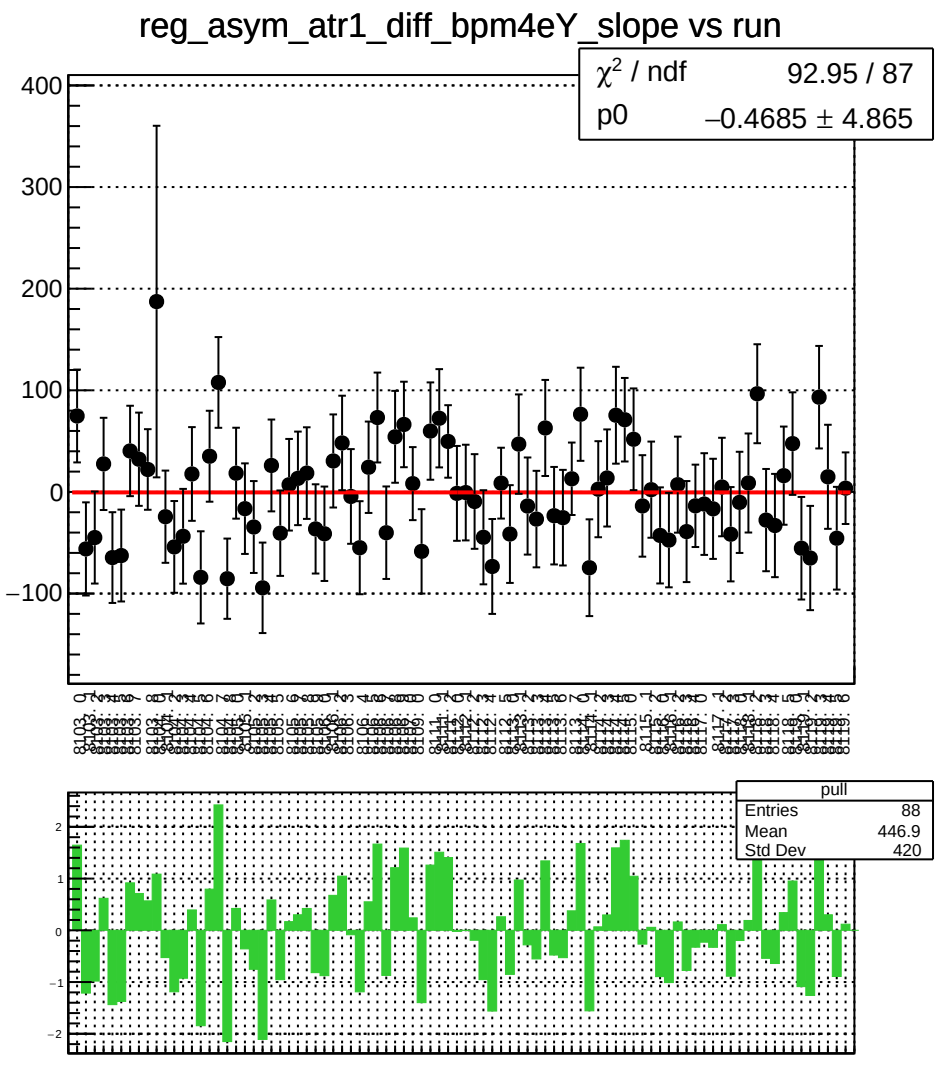

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 85.35 / 87
p0 −36.54 ± 3.031
pull
Entries 88
Mean 1063
Std Dev 1007
pull1D
Entries 88
Mean 0.003984
Std Dev 0.9848

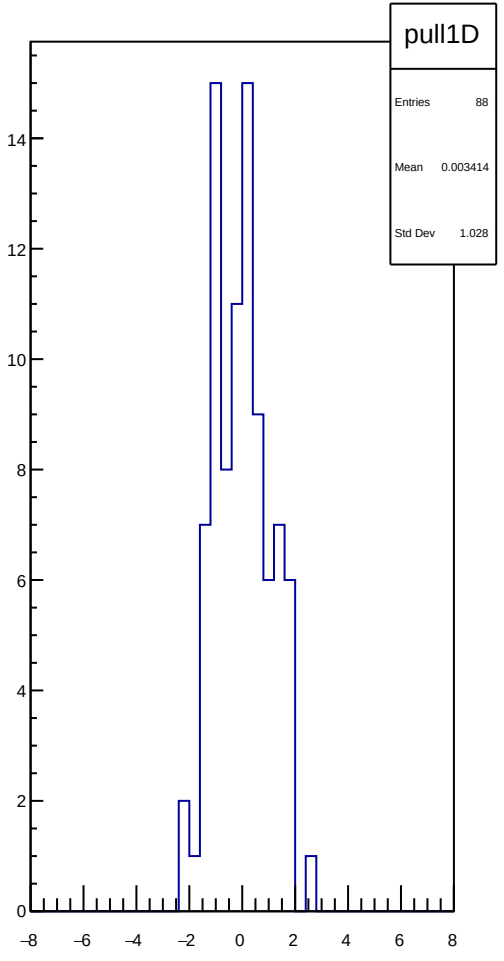

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 92.23 / 87
p0 −5.488 ± 4.55
pull
Entries 88
Mean 586
Std Dev 566.5

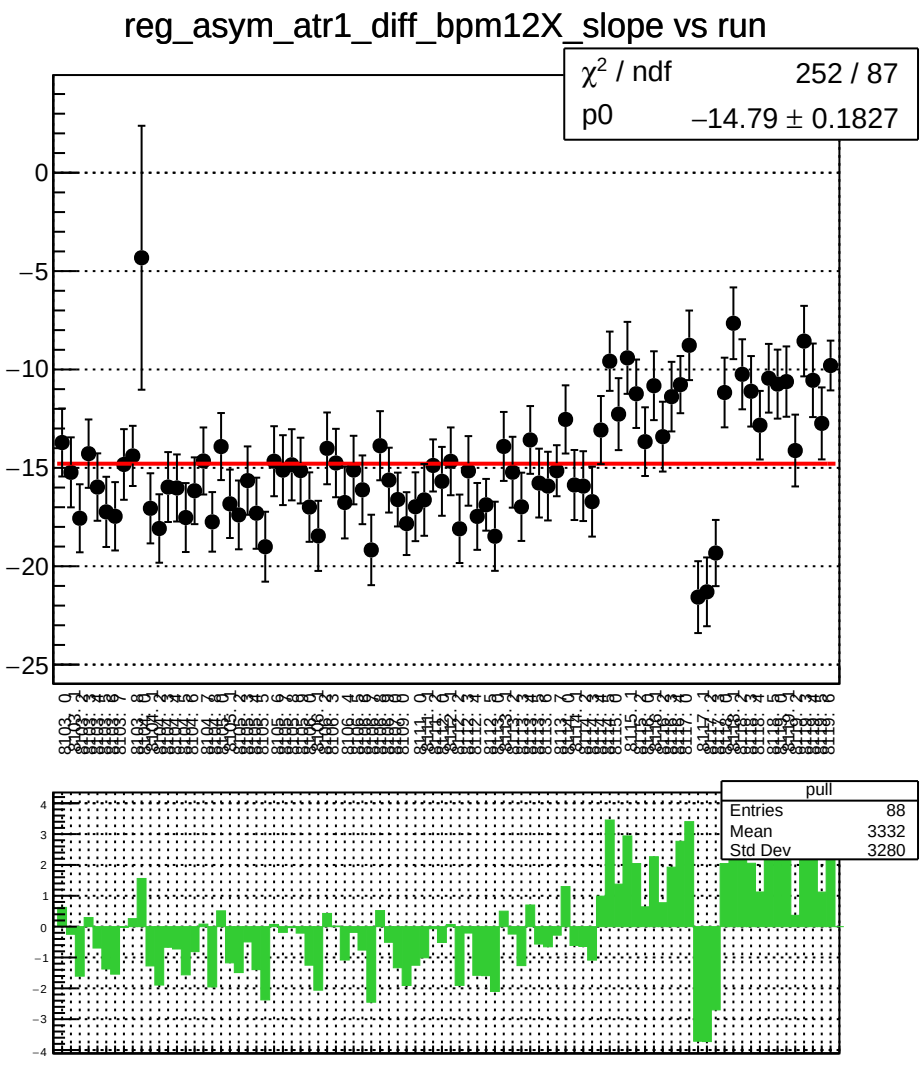

pull1D
Entries 88
Mean −0.001688
Std Dev 1.024

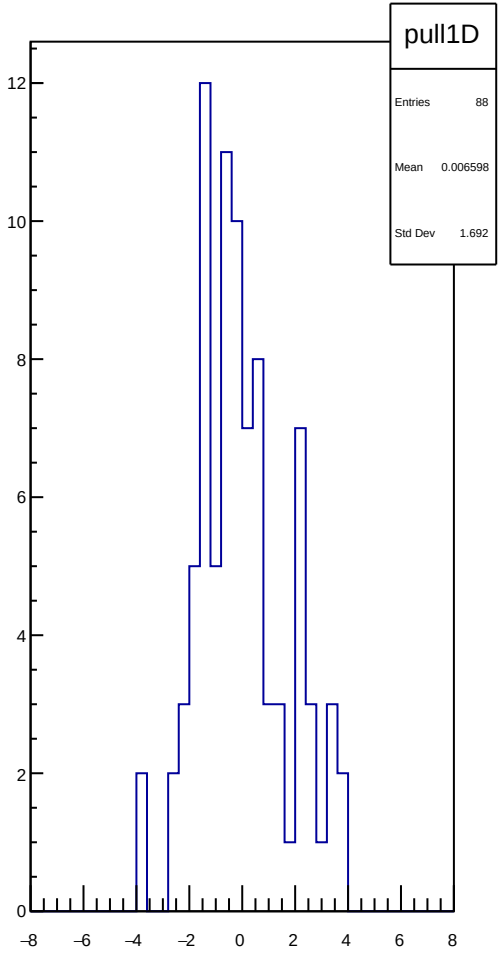

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 83.59 / 87
p0 −24.41± 2.882
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean 1149
Std Dev 1091
3
2
1
0
−1
−2

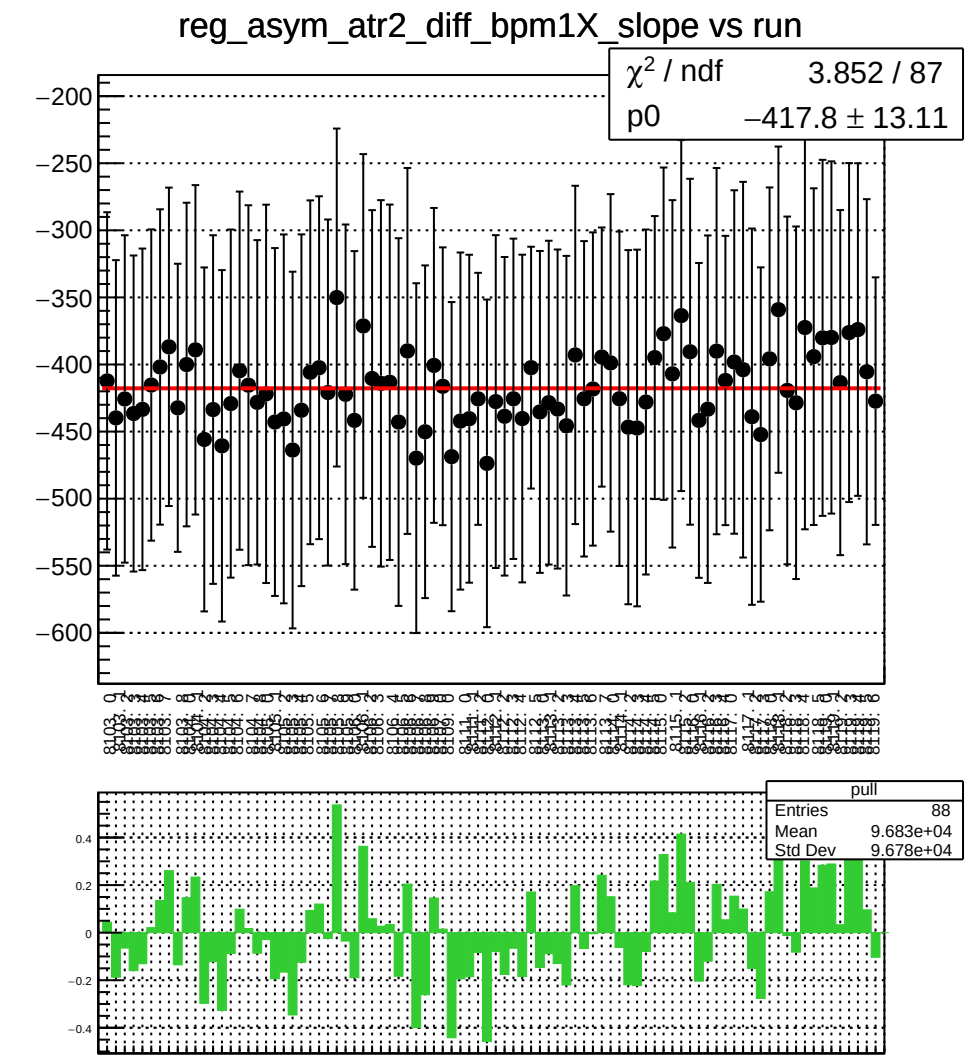

pull1D
Entries 88
Mean −0.003188
Std Dev 0.9746
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

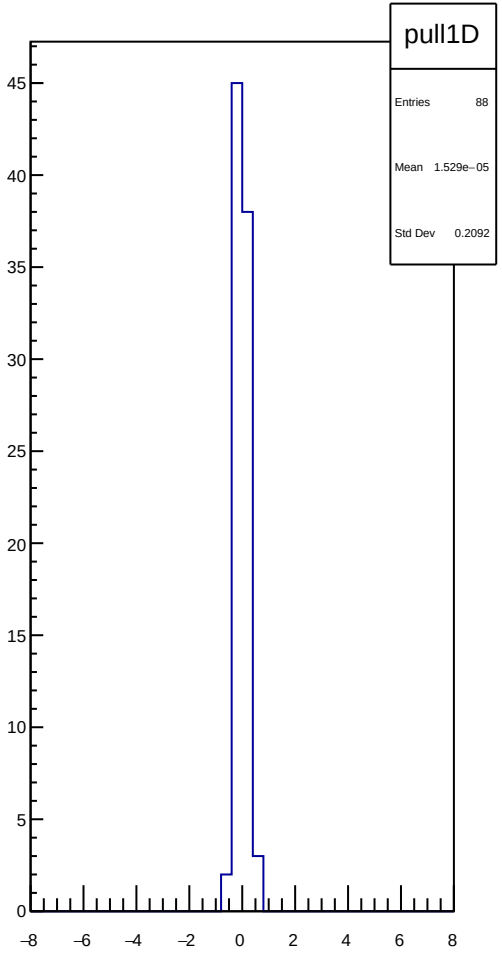

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 92.95 / 87
p0 −0.4685 ± 4.865
400
300
200
100
0
−100
pull
Entries 88
Mean 446.9
Std Dev 420
2
1
0
−1
−2

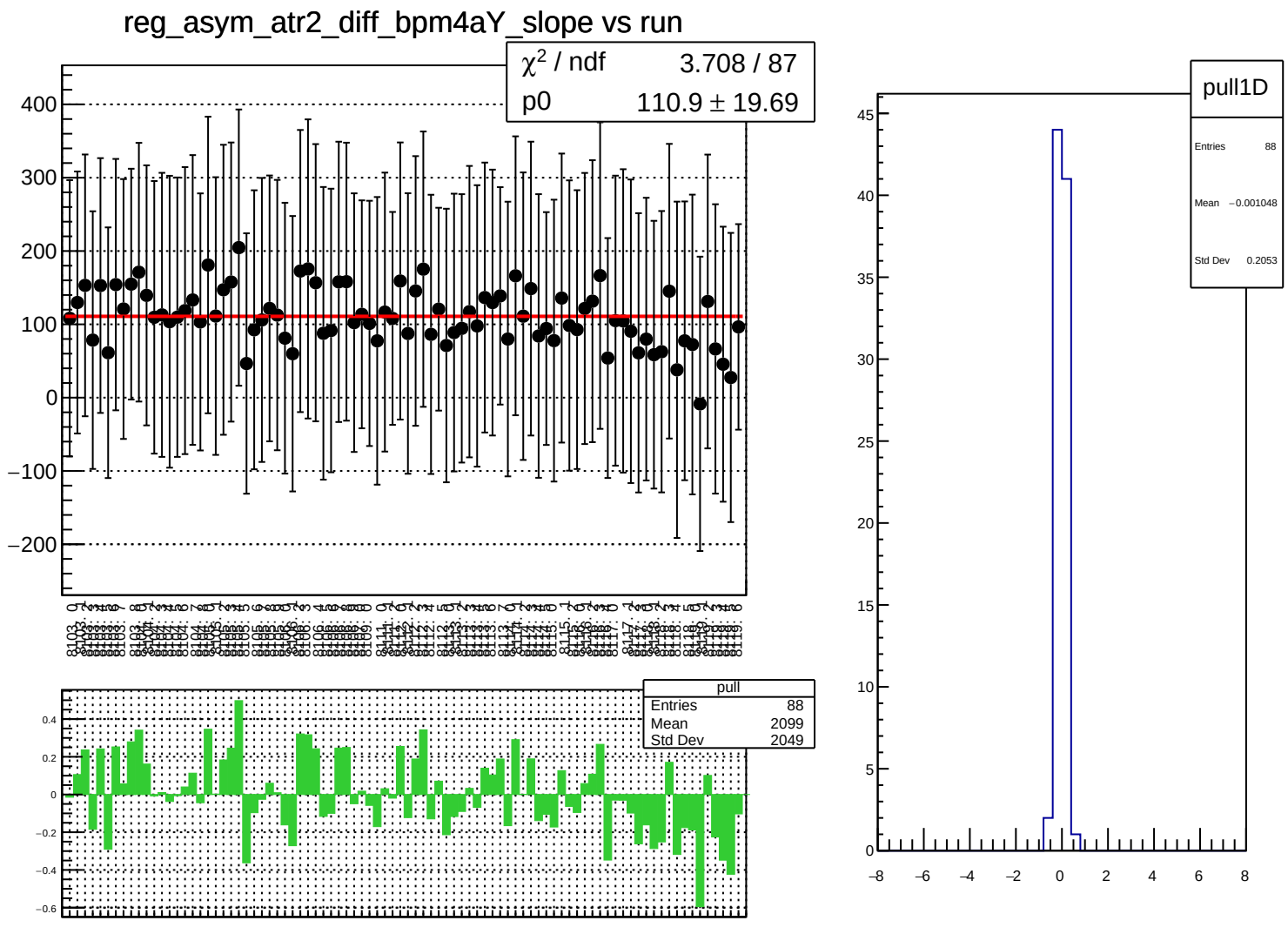

pull1D
Entries 88
Mean 0.003414
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

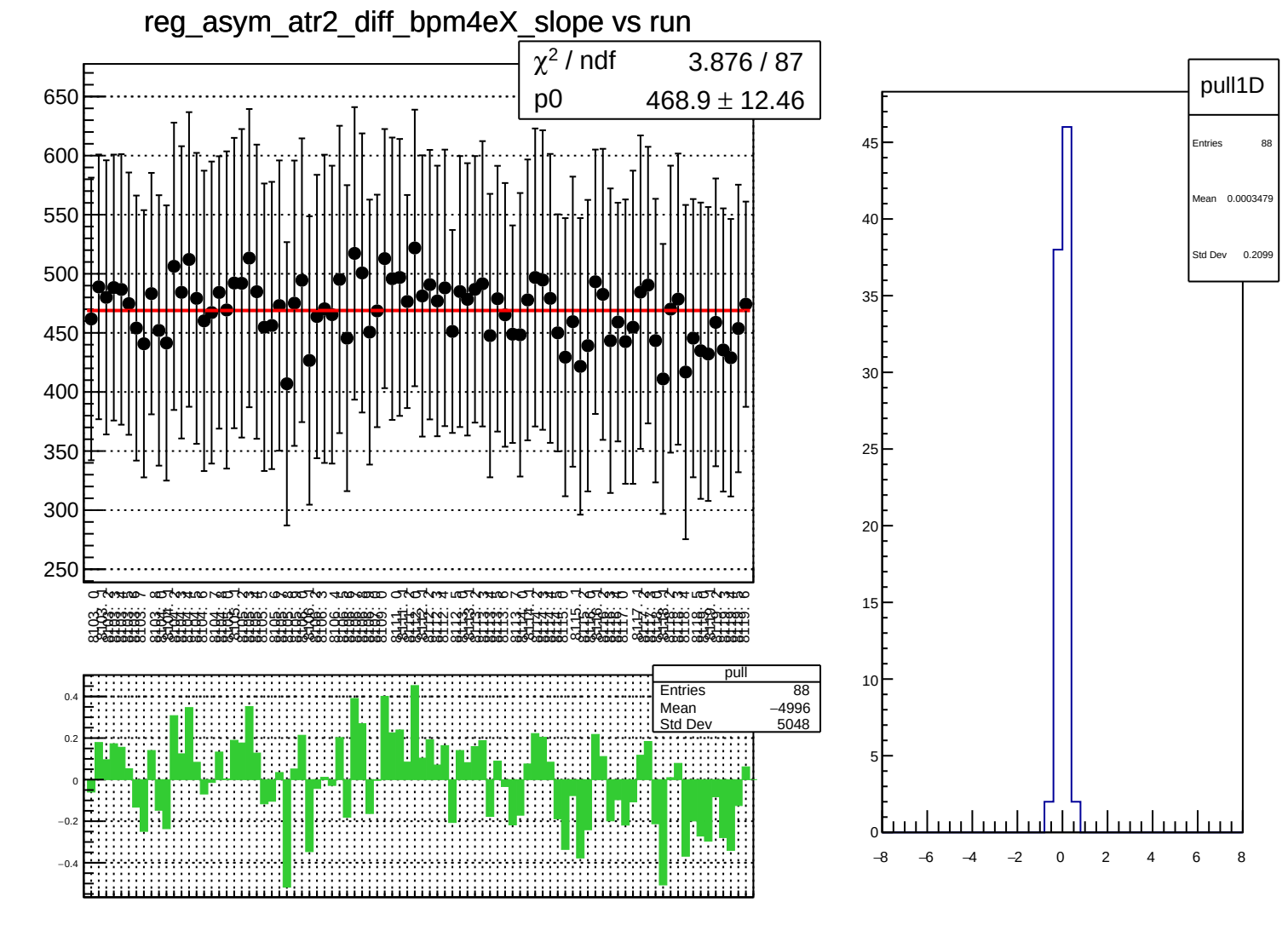

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 252 / 87
p0 −14.79 ± 0.1827
pull
Entries 88
Mean 3332
Std Dev 3280

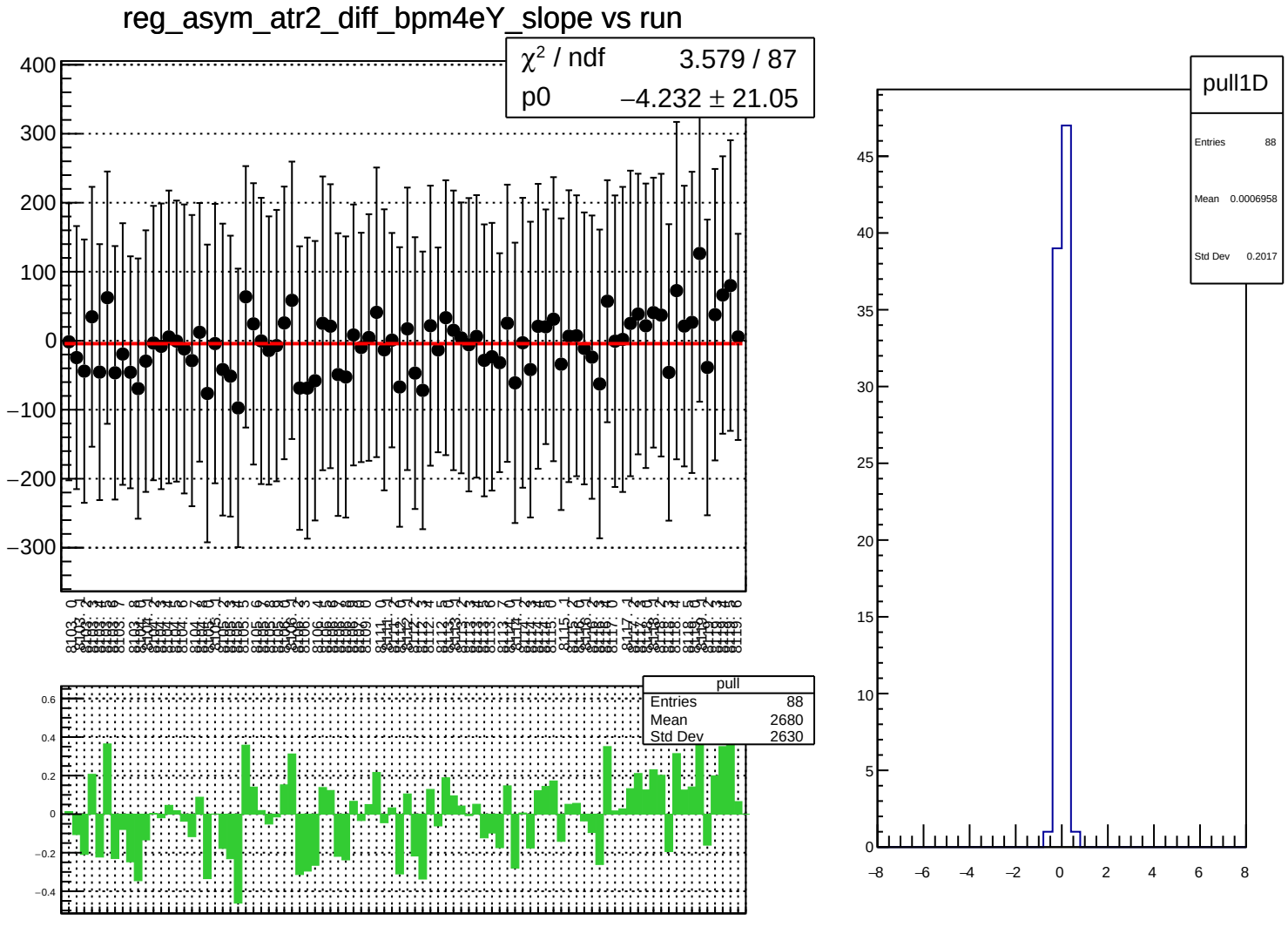

pull1D
Entries 88
Mean 0.006598
Std Dev 1.692

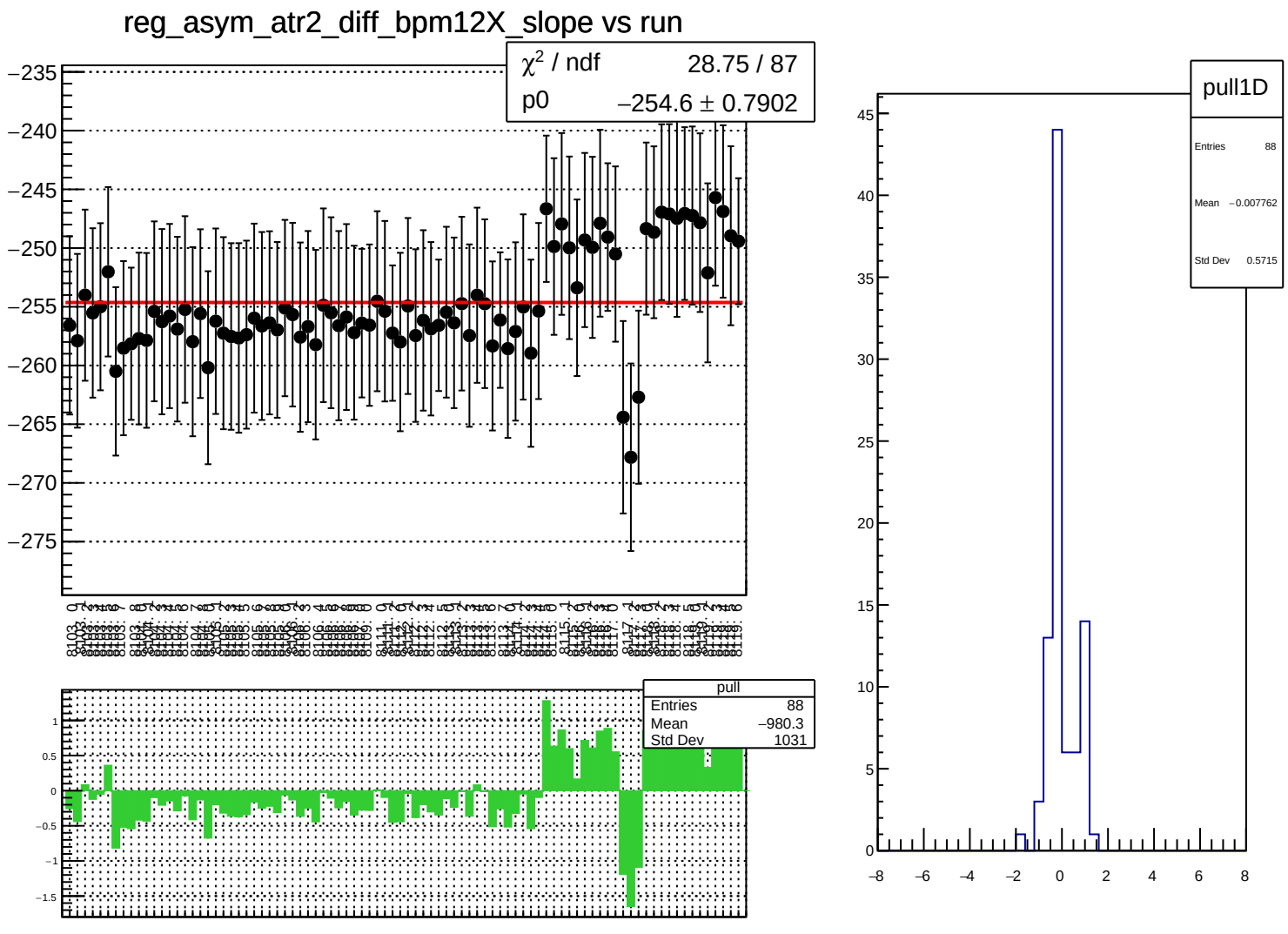

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 3.852 / 87
p0 −417.8 ± 13.11
pull
Entries 88
Mean 9.683e+04
Std Dev 9.678e+04

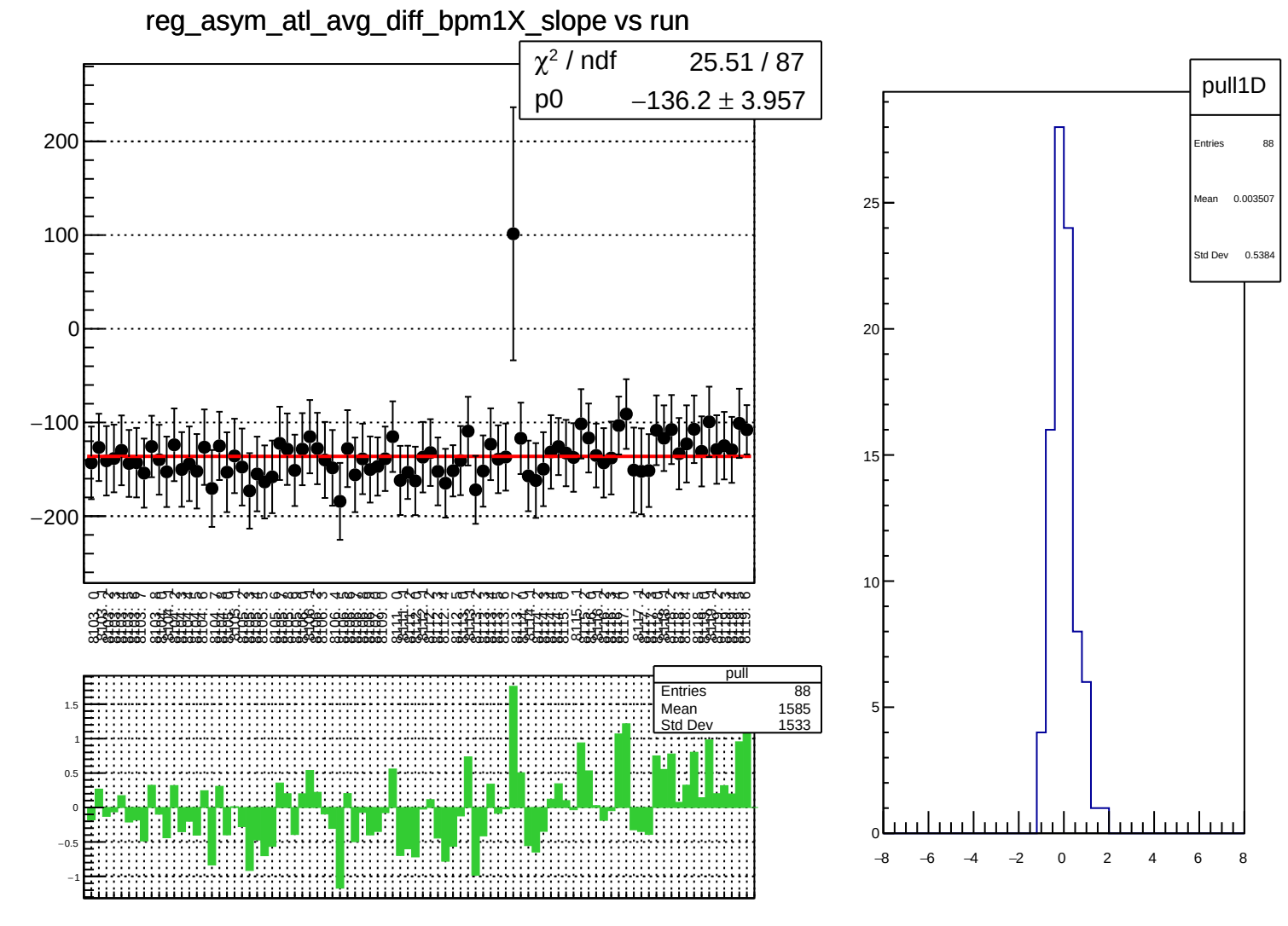

pull1D
Entries 88
Mean 1.529e−05
Std Dev 0.2092

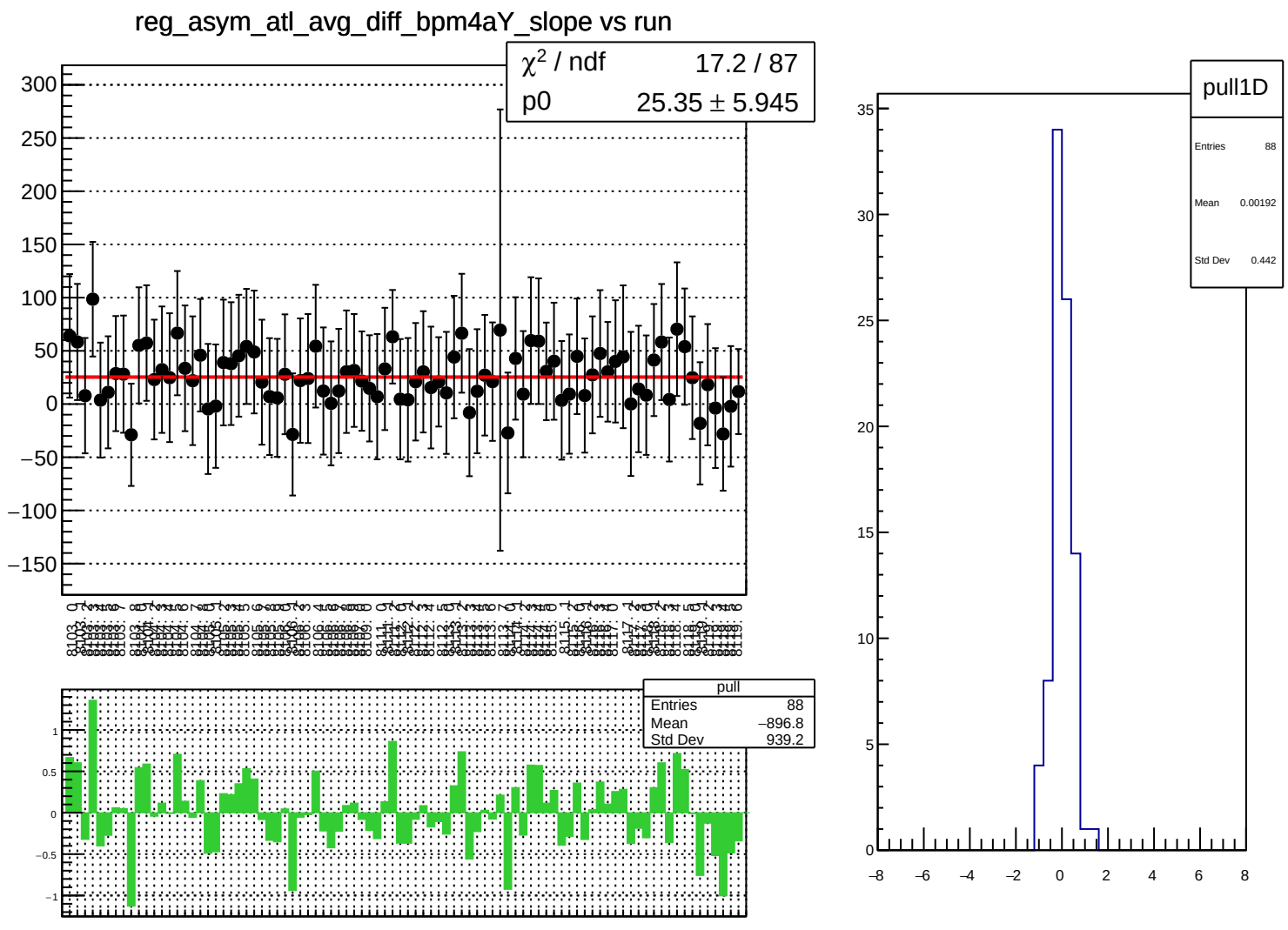

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.708 / 87
p0 110.9 ± 19.69
pull
Entries 88
Mean 2099
Std Dev 2049
pull1D
Entries 88
Mean −0.001048
Std Dev 0.2053

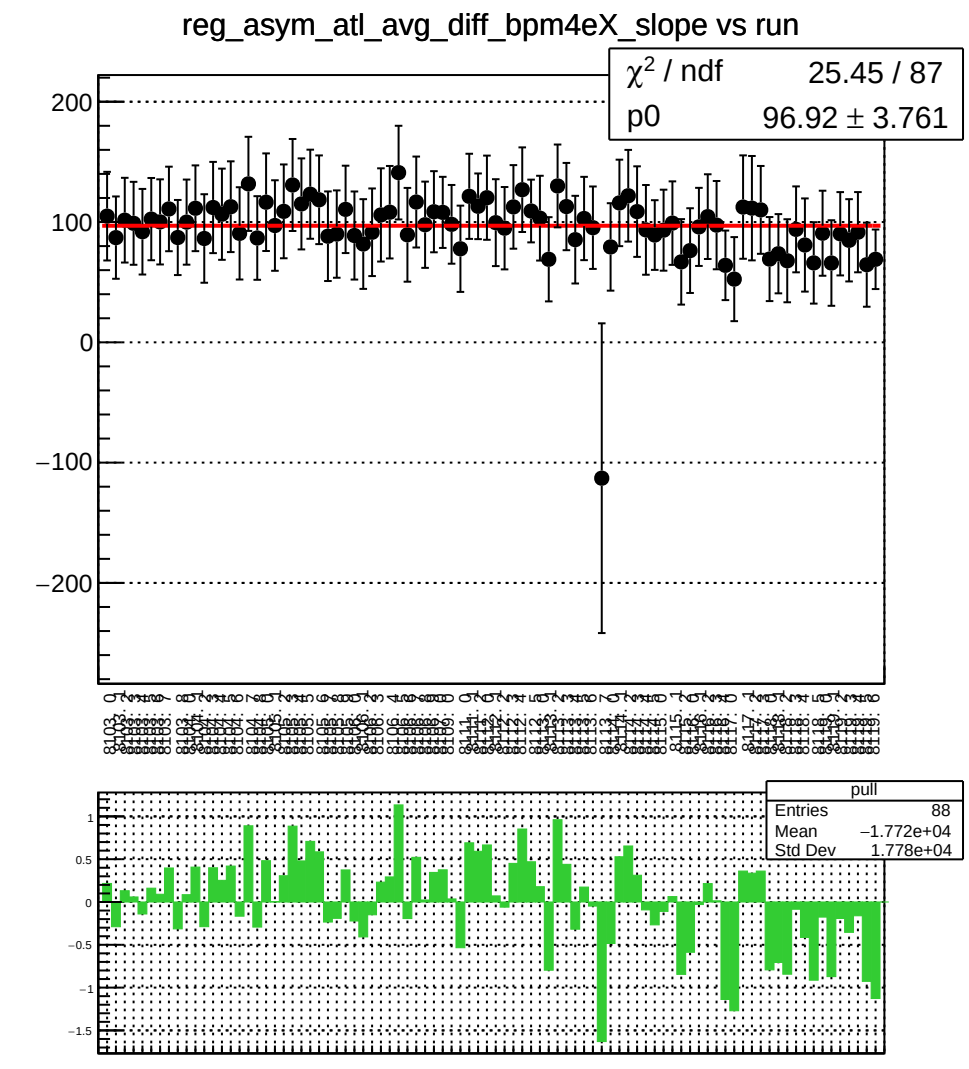

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 3.876 / 87
p0 468.9 ± 12.46
650
600
550
500
450
400
350
300
250
pull
Entries 88
Mean −4996
Std Dev 5048
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 88
Mean 0.0003479
Std Dev 0.2099
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

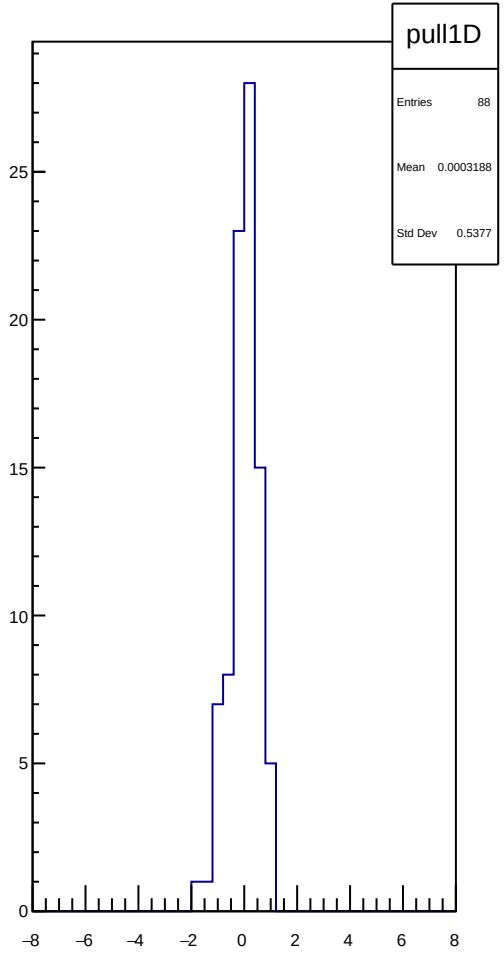

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 3.579 / 87
p0 −4.232 ± 21.05
pull
Entries 88
Mean 2680
Std Dev 2630
pull1D
Entries 88
Mean 0.0006958
Std Dev 0.2017

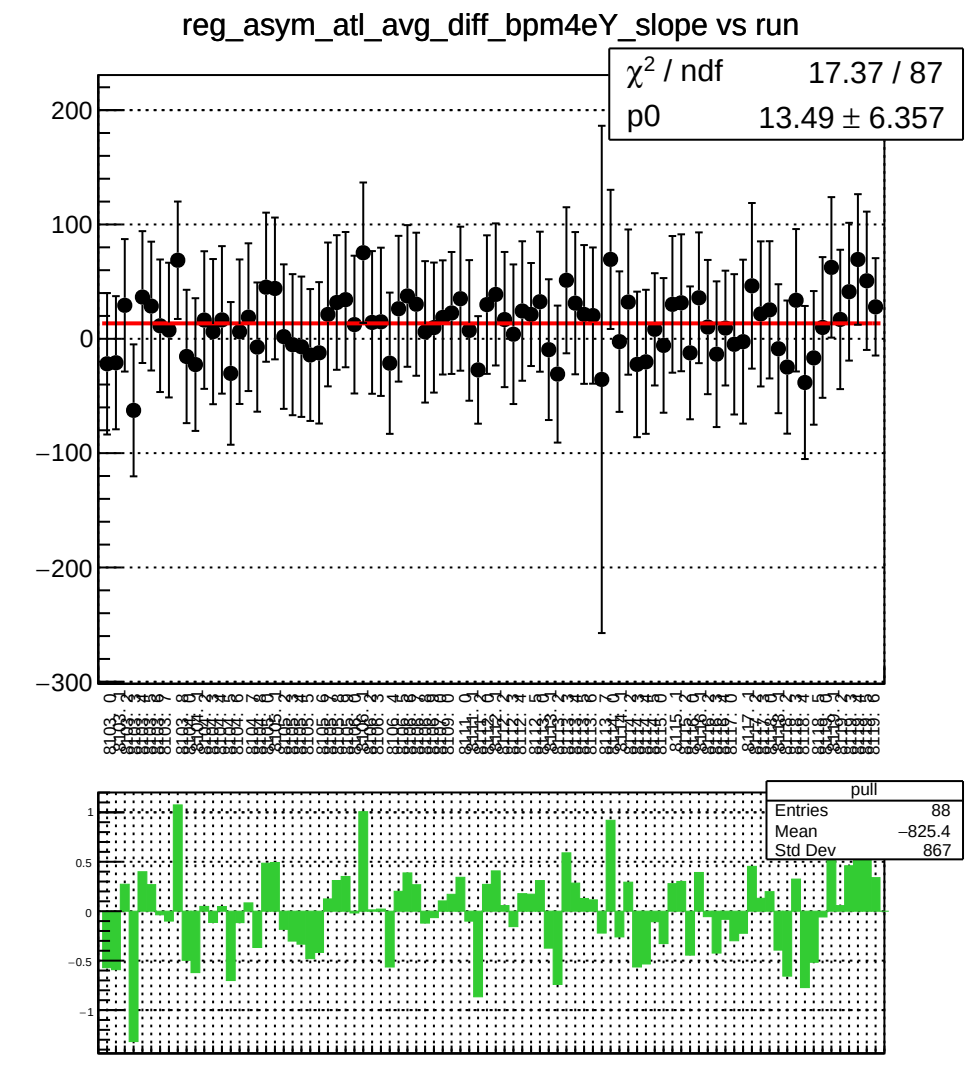

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 28.75 / 87
p0 −254.6 ± 0.7902
pull
Entries 88
Mean −980.3
Std Dev 1031
pull1D
Entries 88
Mean −0.007762
Std Dev 0.5715

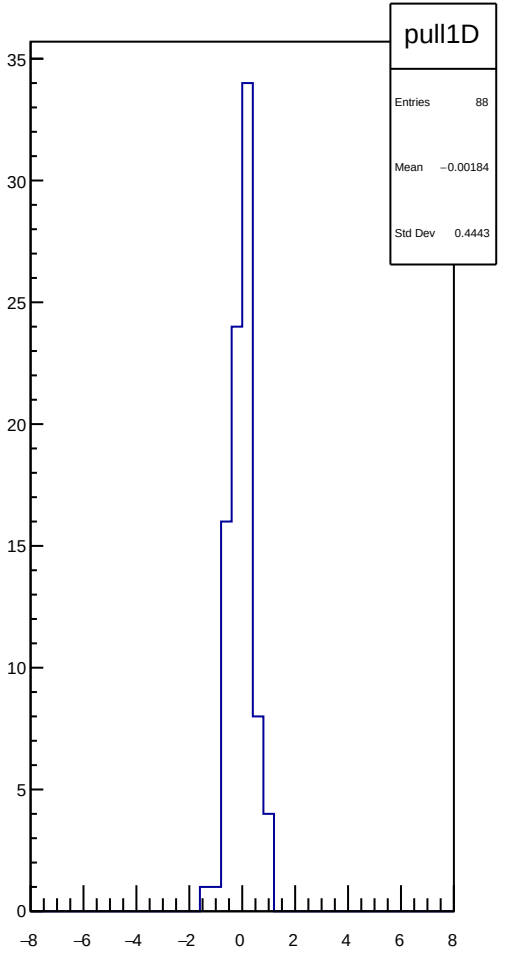

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 25.51 / 87
p0 −136.2 ± 3.957
200
100
0
−100
−200
pull
Entries 88
Mean 1585
Std Dev 1533
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 88
Mean 0.003507
Std Dev 0.5384
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

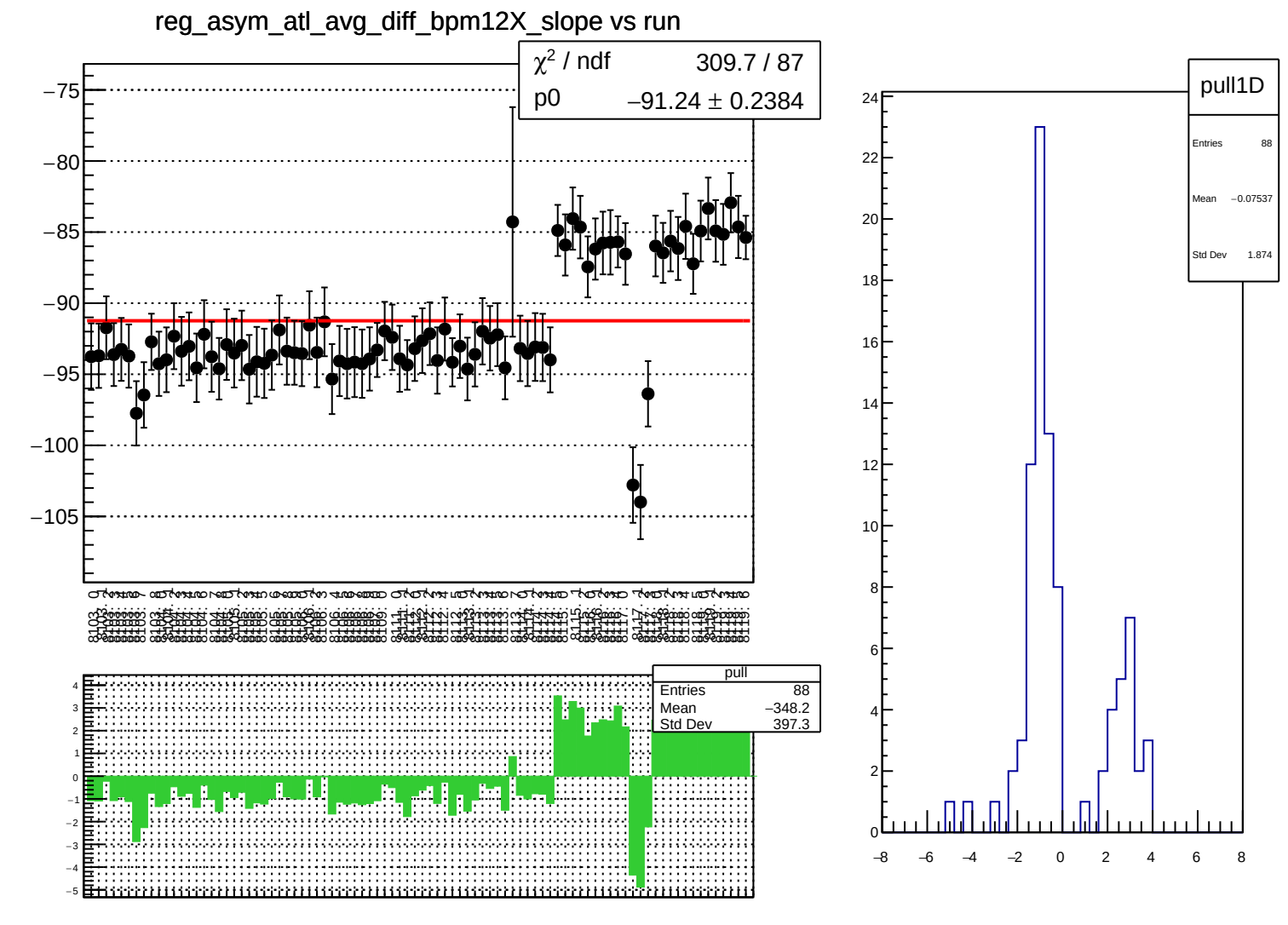

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.2 / 87
p0 25.35 ± 5.945
pull
Entries 88
Mean −896.8
Std Dev 939.2
pull1D
Entries 88
Mean 0.00192
Std Dev 0.442

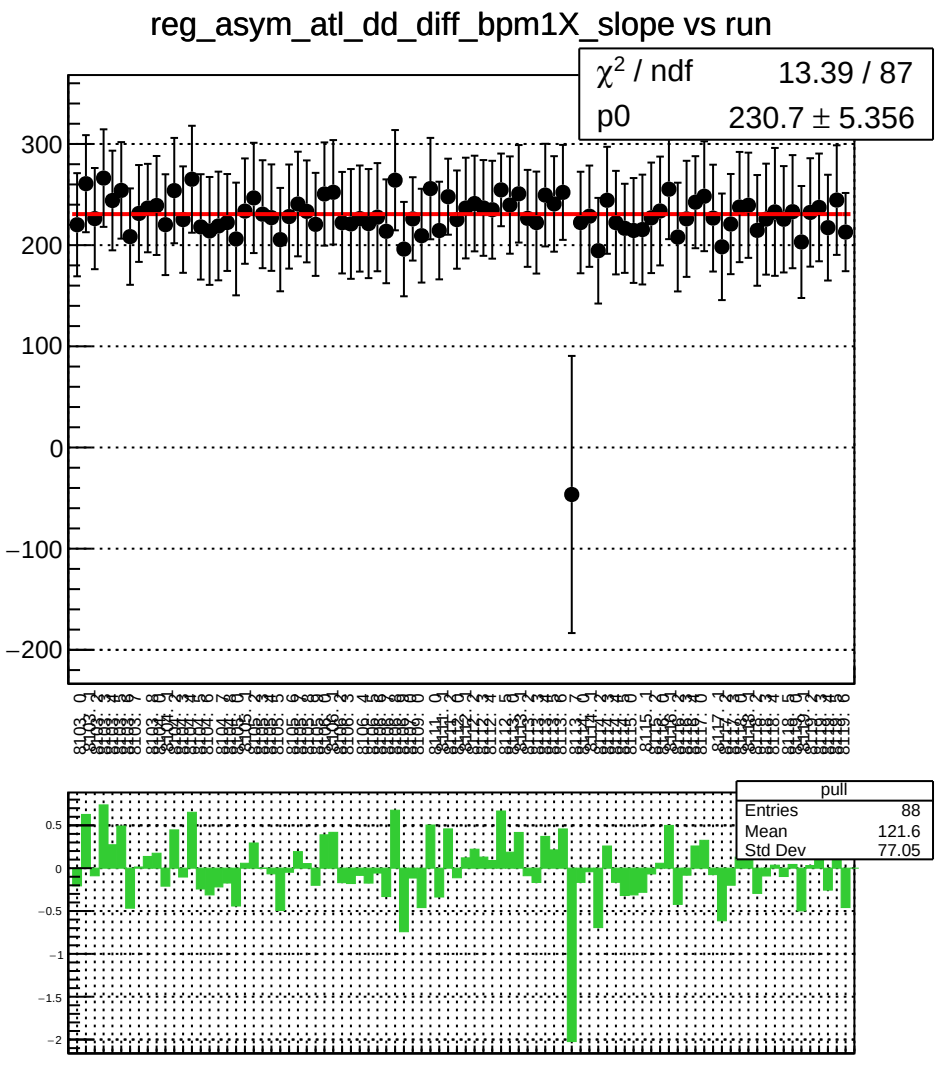

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.45 / 87
p0 96.92 ± 3.761
200
100
0
−100
−200
pull
Entries 88
Mean −1.772e+04
Std Dev 1.778e+04
1
0.5
0
−0.5
−1
−1.5

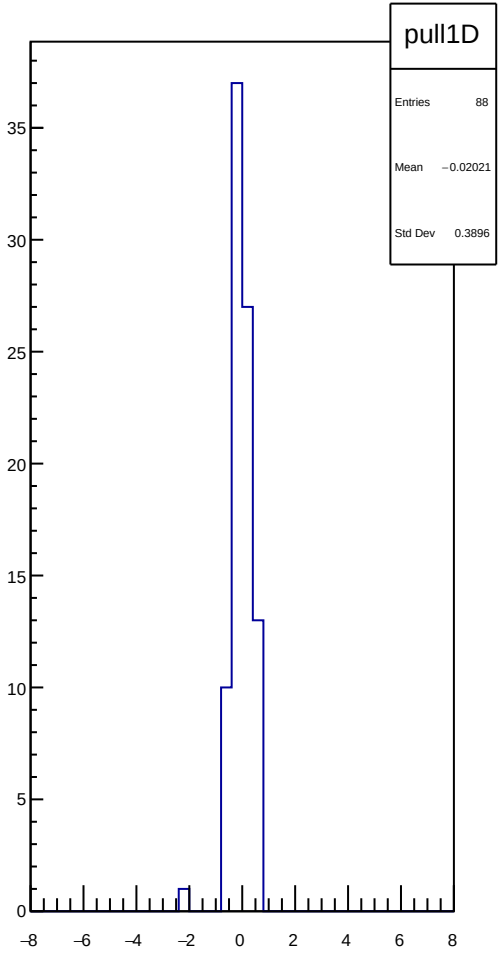

pull1D
Entries 88
Mean 0.0003188
Std Dev 0.5377
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

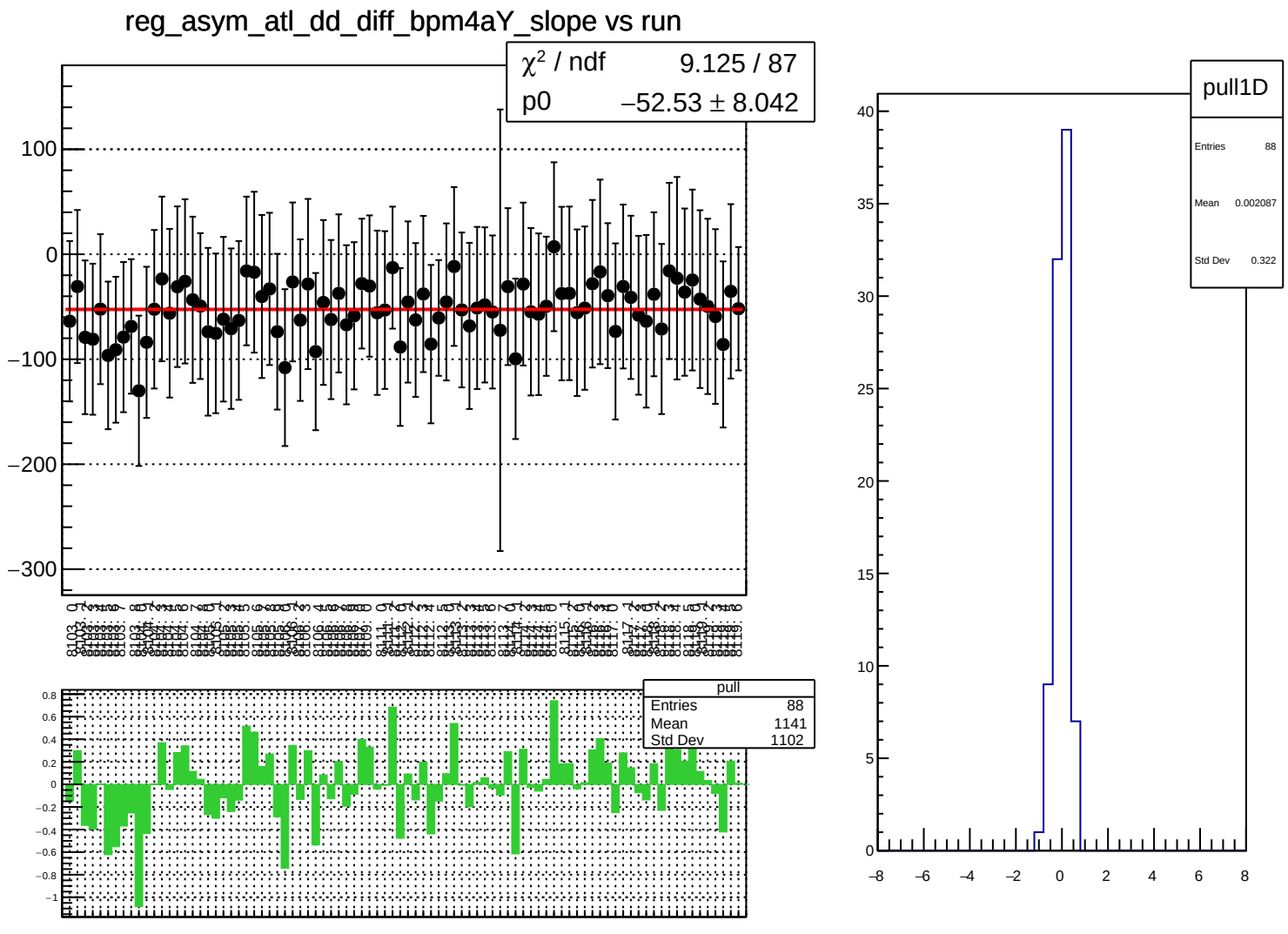

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.37 / 87
p0 13.49 ± 6.357
pull
Entries 88
Mean −825.4
Std Dev 867

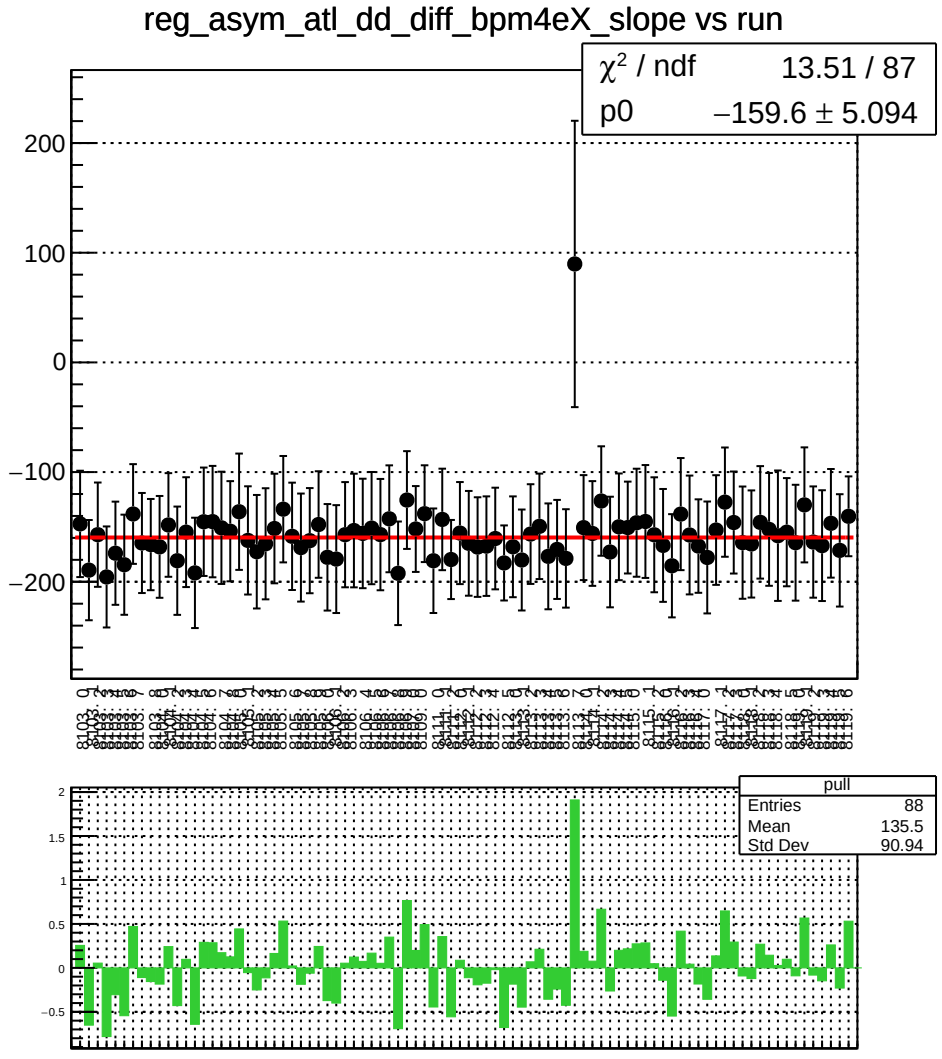

pull1D
Entries 88
Mean −0.00184
Std Dev 0.4443

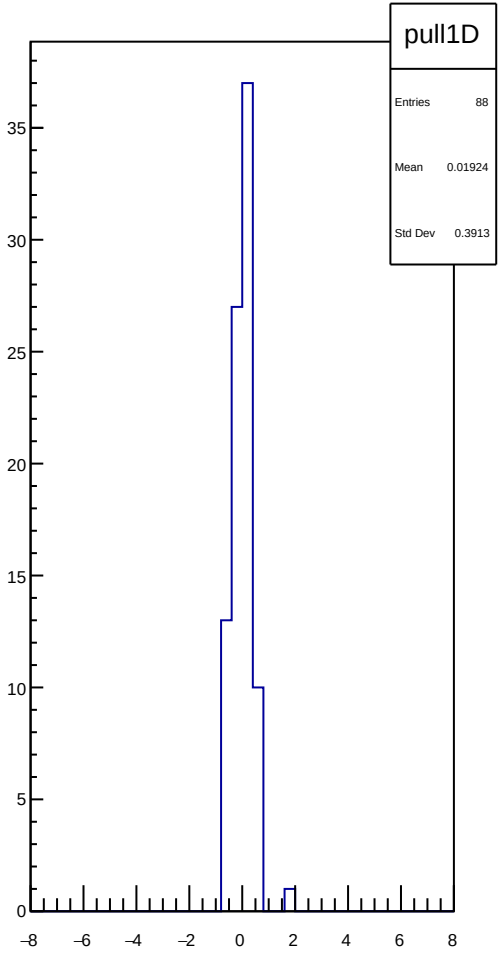

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 309.7 / 87
p0 −91.24 ± 0.2384
pull
Entries 88
Mean −348.2
Std Dev 397.3
pull1D
Entries 88
Mean −0.07537
Std Dev 1.874

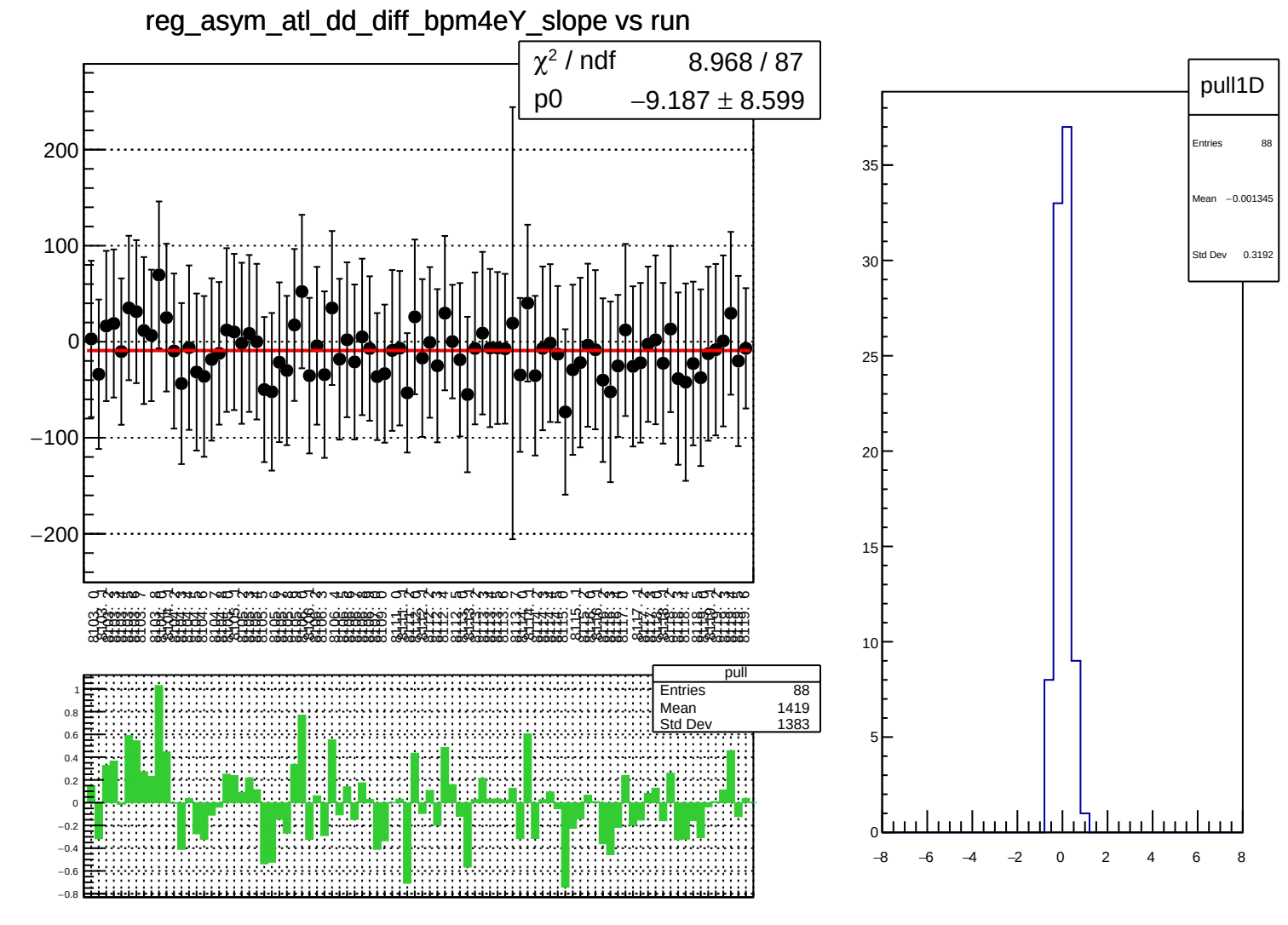

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 13.39 / 87
p0 230.7 ± 5.356
300
200
100
0
−100
−200
pull
Entries 88
Mean 121.6
Std Dev 77.05
0.5
0
−0.5
−1
−1.5
−2

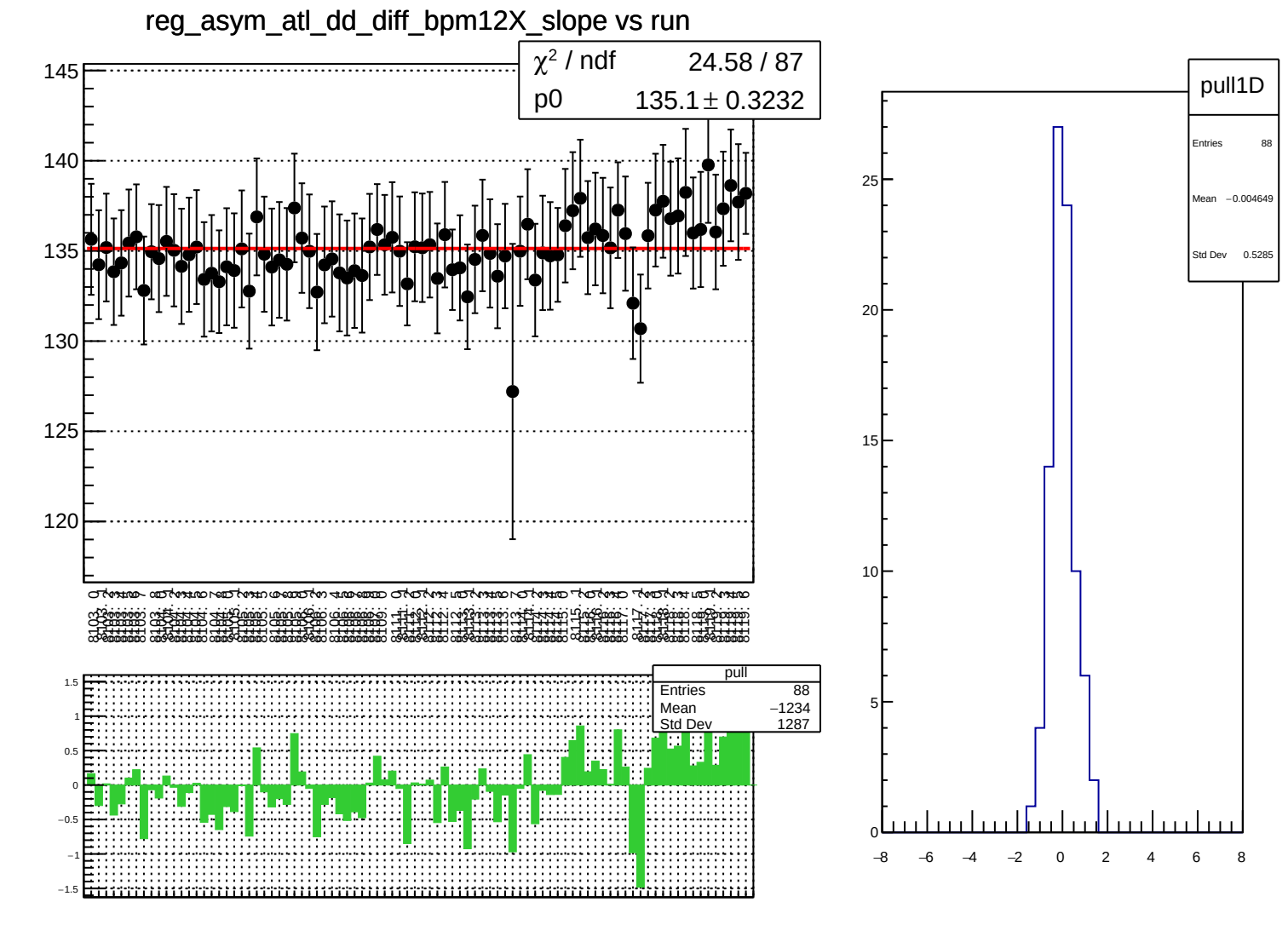

pull1D
Entries 88
Mean −0.02021
Std Dev 0.3896
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

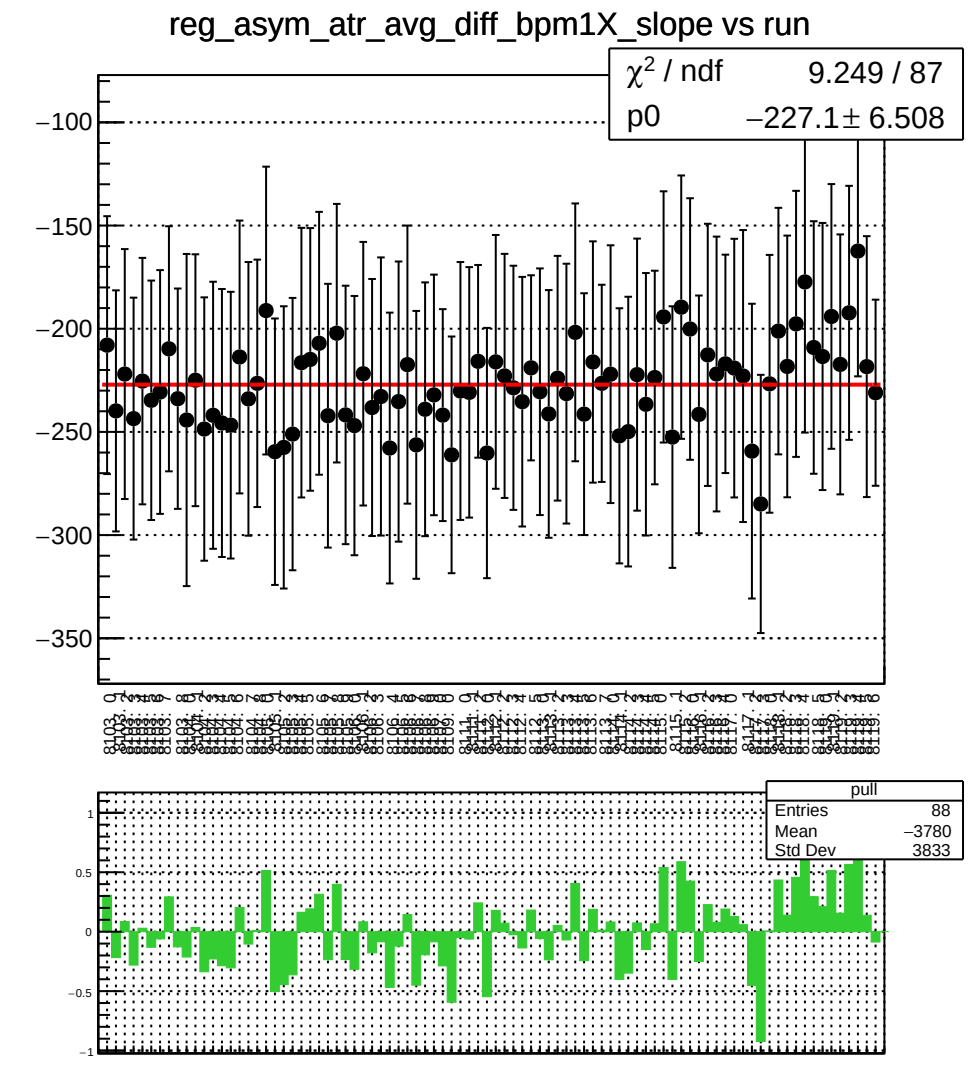

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.125 / 87
p0 −52.53 ± 8.042
100
0
−100
−200
−300
pull
Entries 88
Mean 1141
Std Dev 1102
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 88
Mean 0.002087
Std Dev 0.322
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

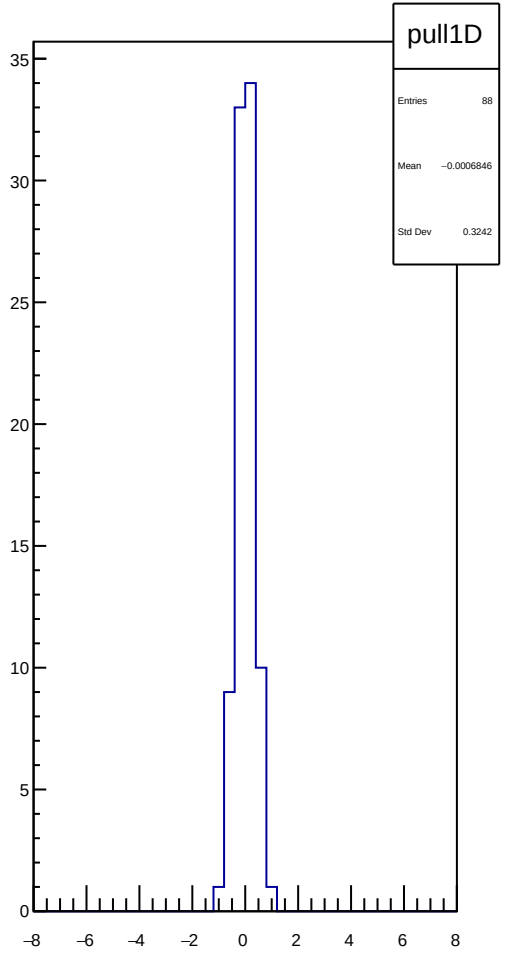

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.51 / 87
p0 −159.6 ± 5.094
200
100
0
−100
−200
pull
Entries 88
Mean 135.5
Std Dev 90.94
2
1.5
1
0.5
0
−0.5

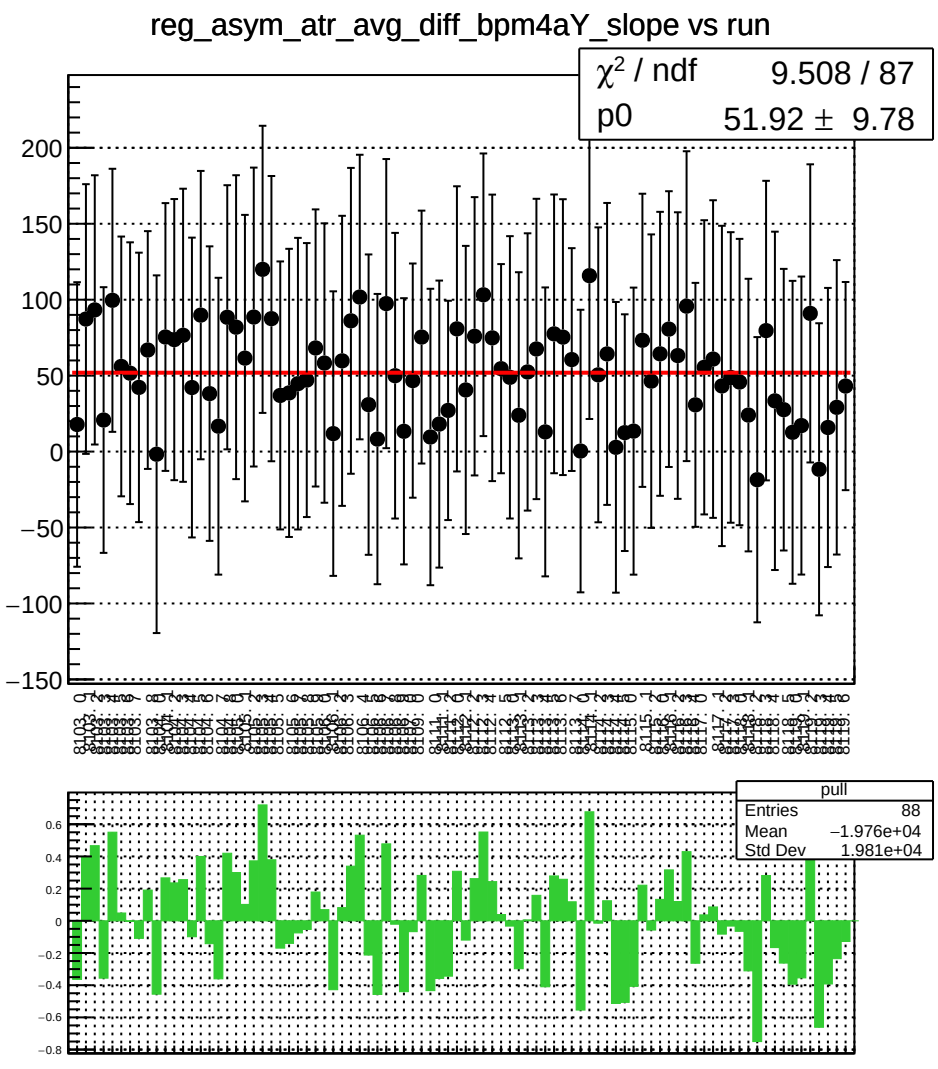

pull1D
Entries 88
Mean 0.01924
Std Dev 0.3913
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

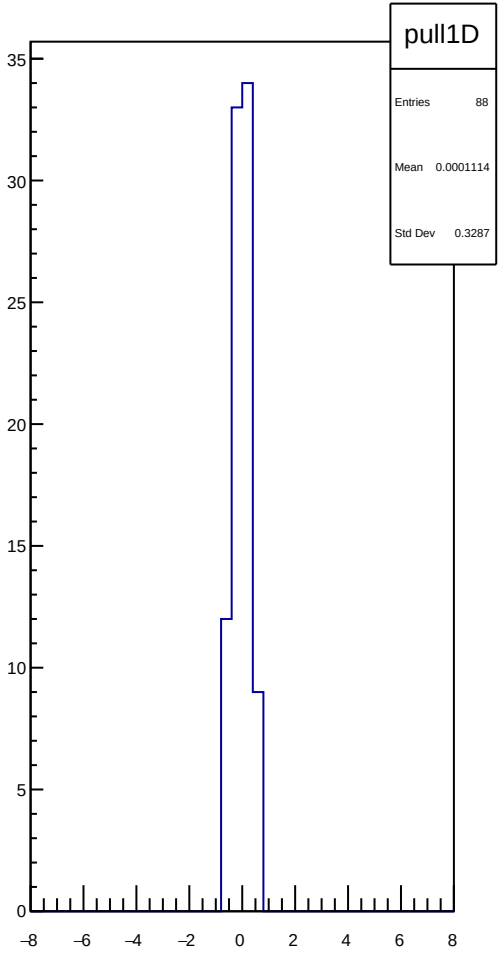

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.968 / 87
p0 −9.187 ± 8.599
200
100
0
−100
−200
pull
Entries 88
Mean 1419
Std Dev 1383
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 88
Mean −0.001345
Std Dev 0.3192
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

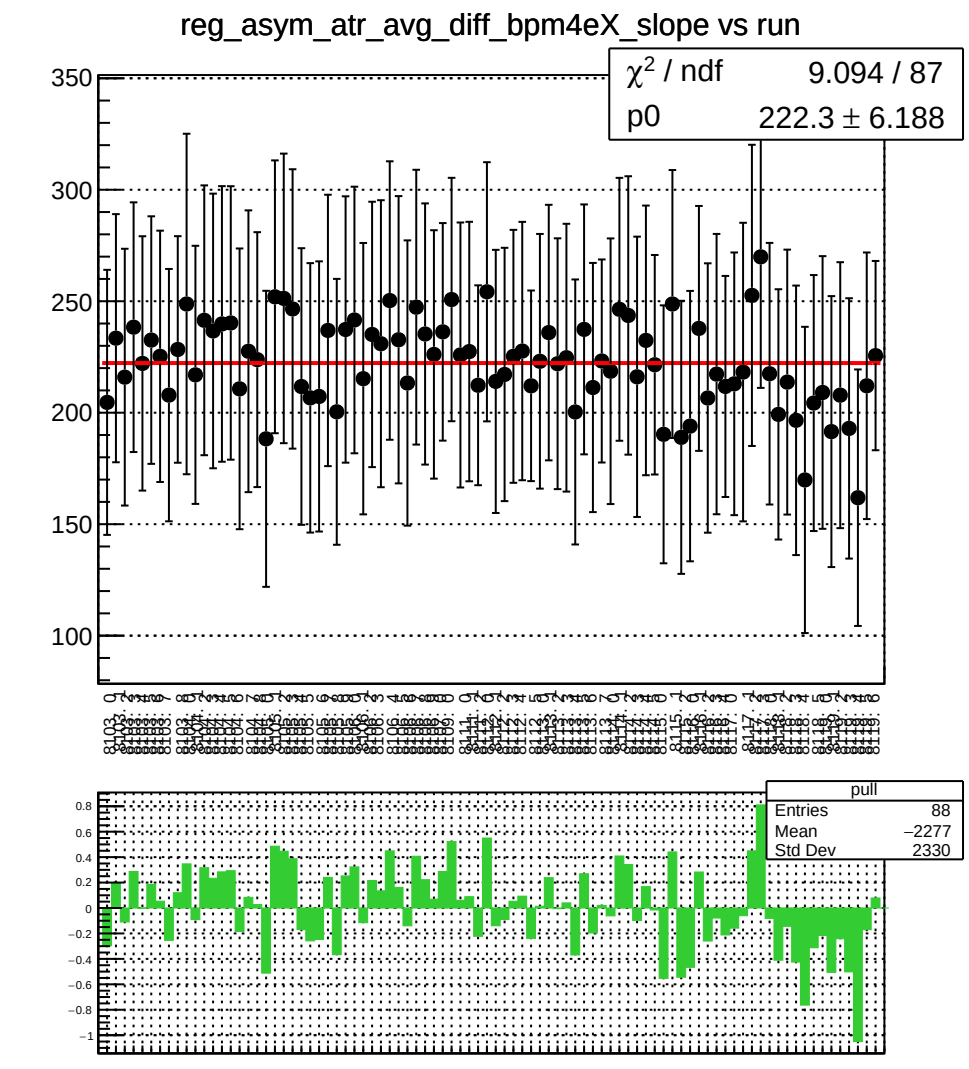

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 24.58 / 87
p0 135.1 ± 0.3232
145
140
135
130
125
120
pull
Entries 88
Mean −1234
Std Dev 1287
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.004649
Std Dev 0.5285
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

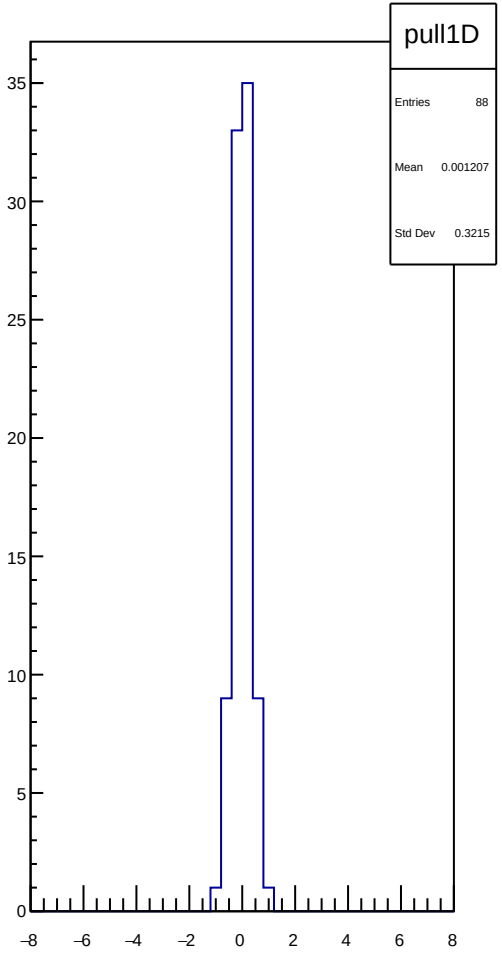

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 9.249 / 87
p0 −227.1± 6.508
−100
−150
−200
−250
−300
−350
pull
Entries 88
Mean −3780
Std Dev 3833
1
0.5
0
−0.5
−1

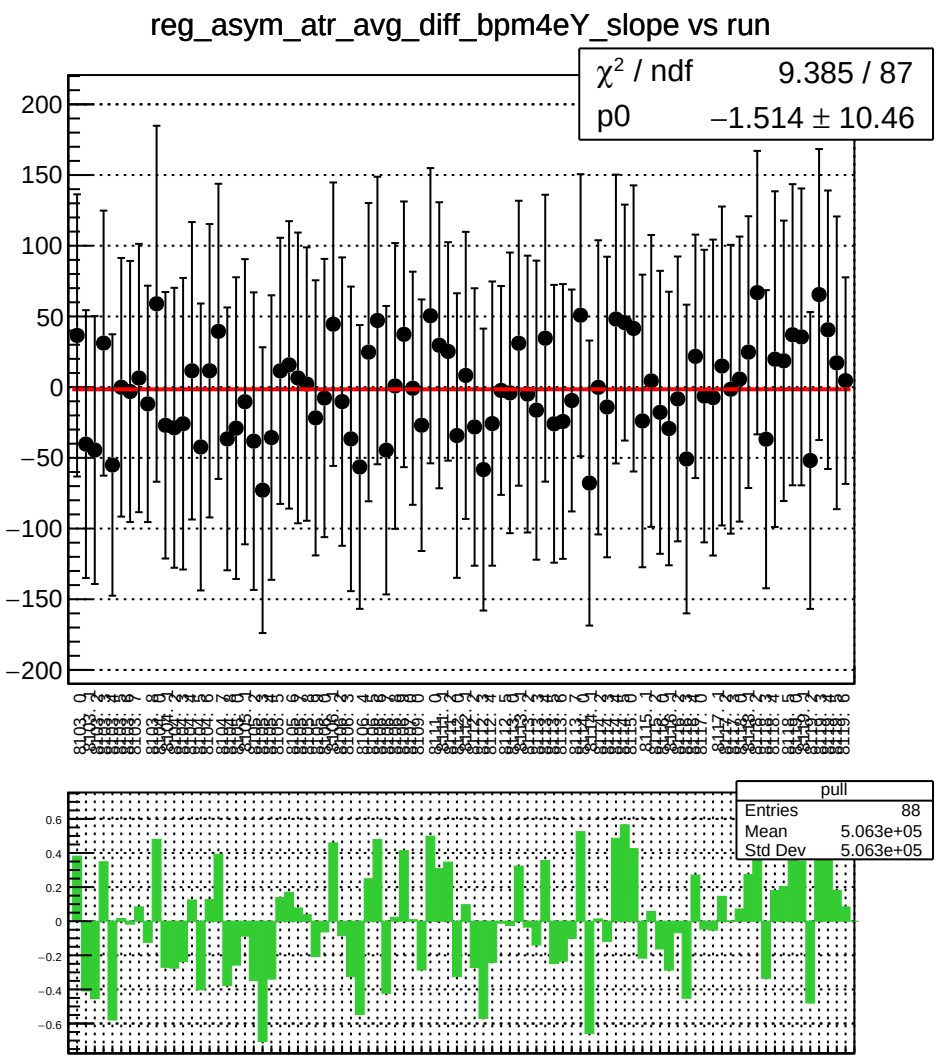

pull1D
Entries 88
Mean −0.0006846
Std Dev 0.3242
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

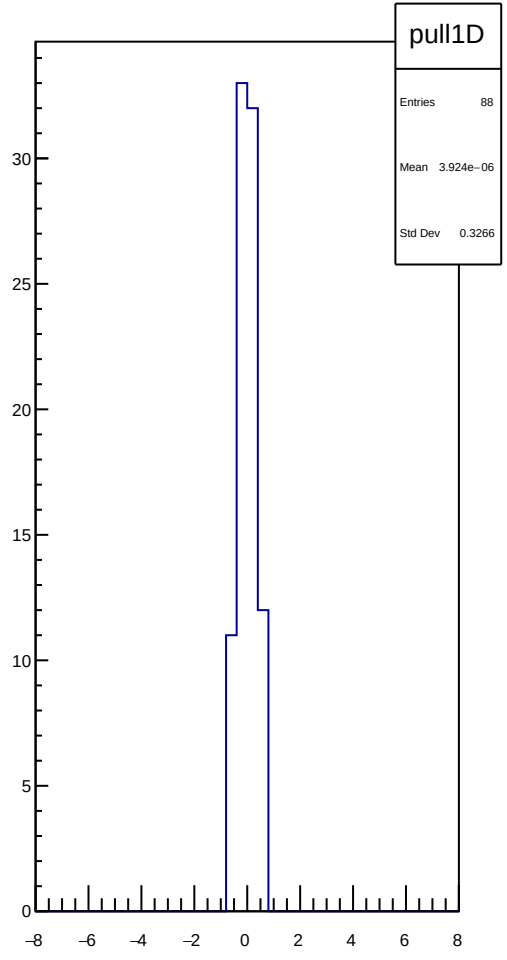

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.508 / 87
p0 51.92 ± 9.78
pull
Entries 88
Mean −1.976e+04
Std Dev 1.981e+04

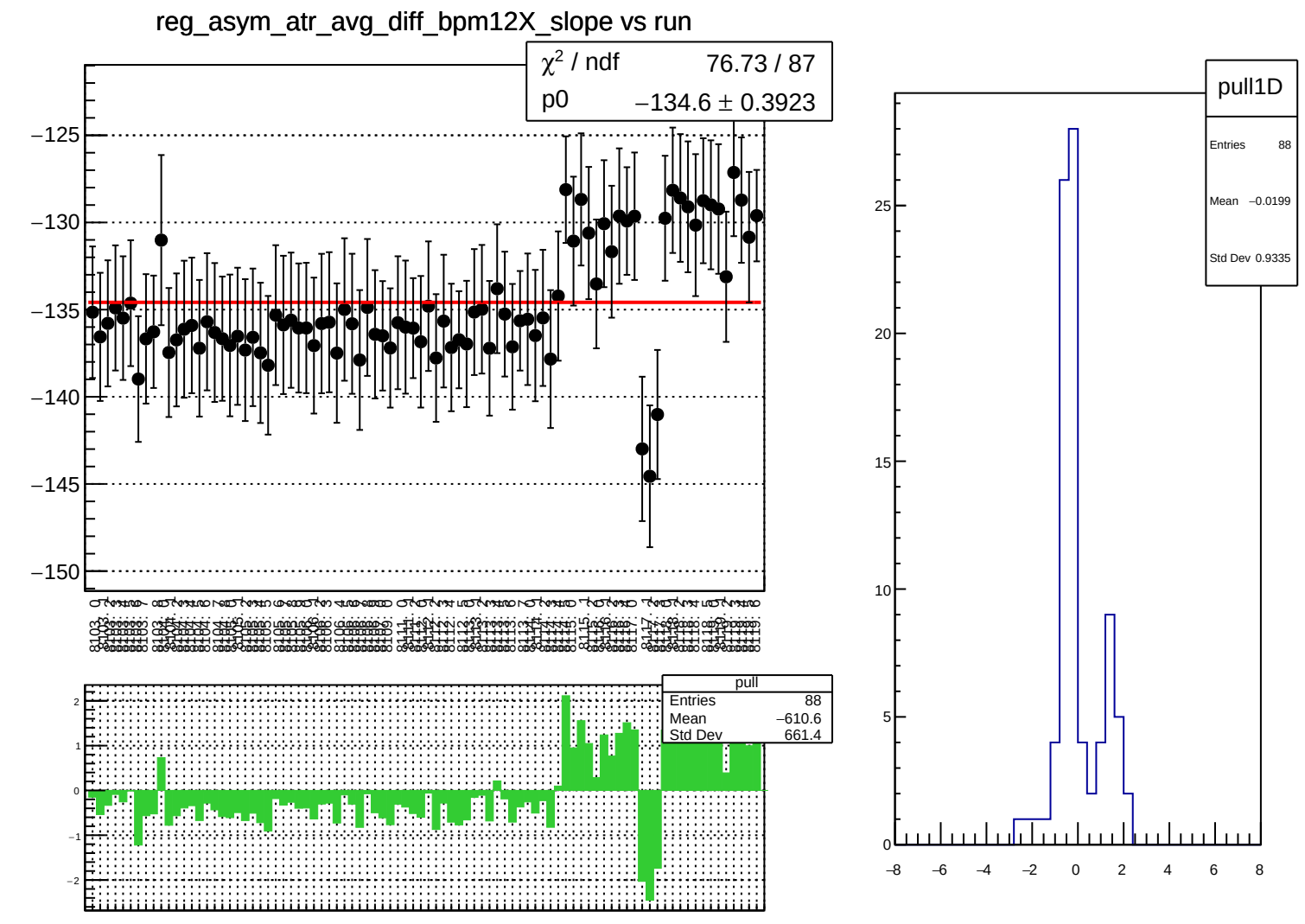

pull1D
Entries 88
Mean 0.0001114
Std Dev 0.3287

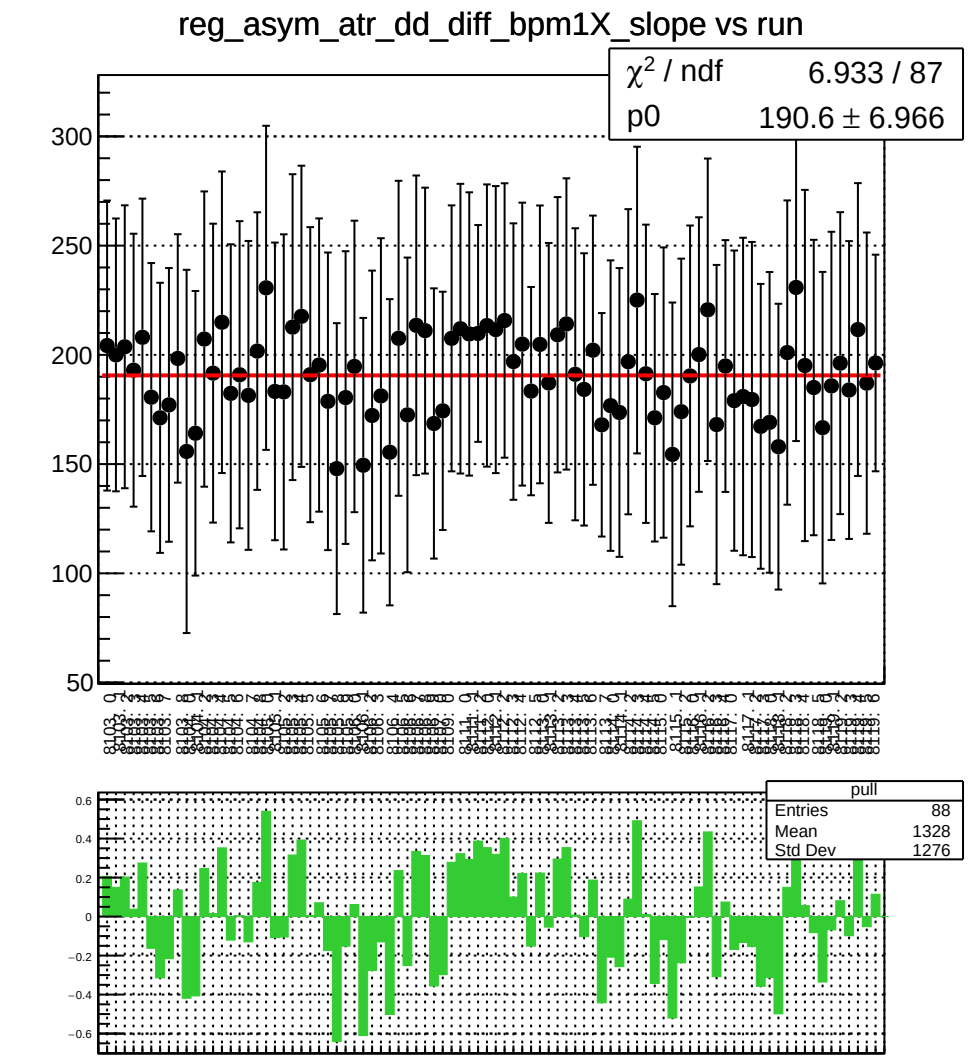

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.094 / 87
p0 222.3 ± 6.188
pull
Entries 88
Mean −2277
Std Dev 2330

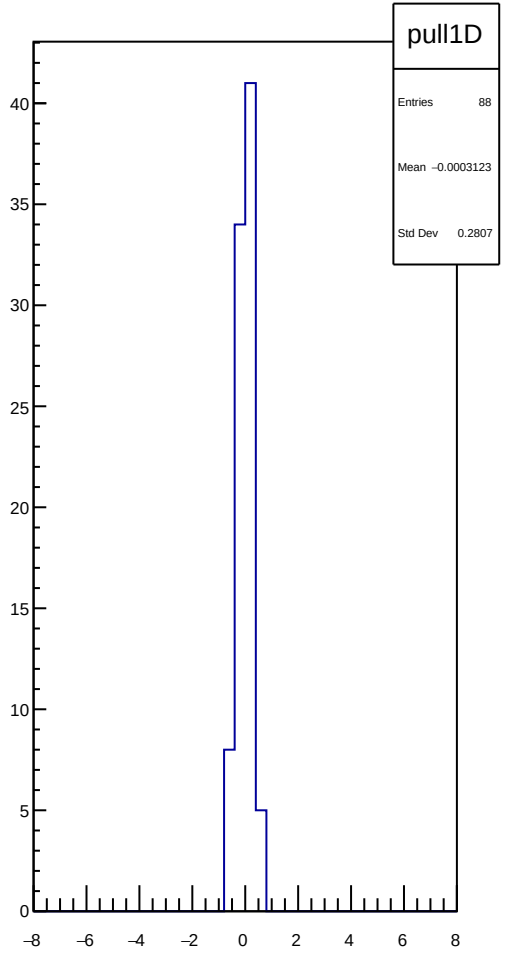

pull1D
Entries 88
Mean 0.001207
Std Dev 0.3215

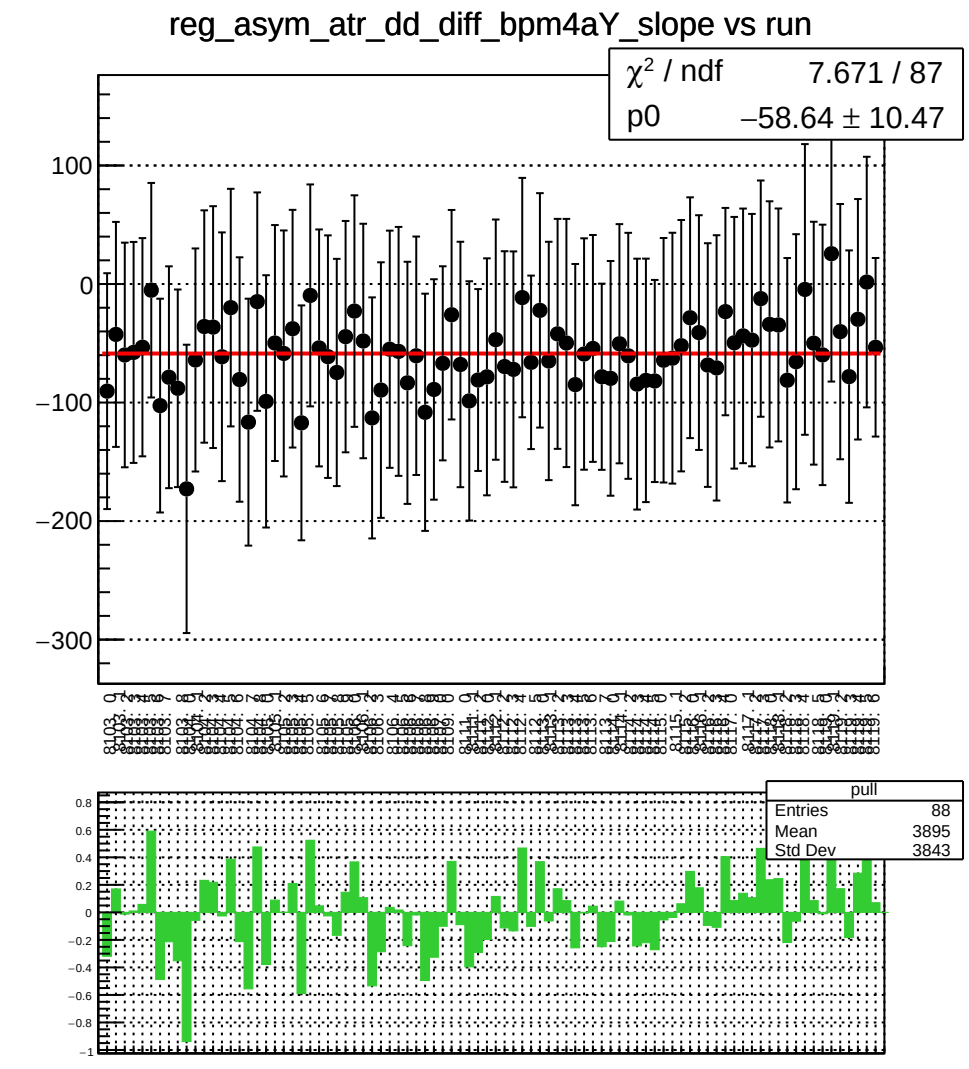

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.385 / 87
p0 −1.514 ± 10.46
pull
Entries 88
Mean 5.063e+05
Std Dev 5.063e+05

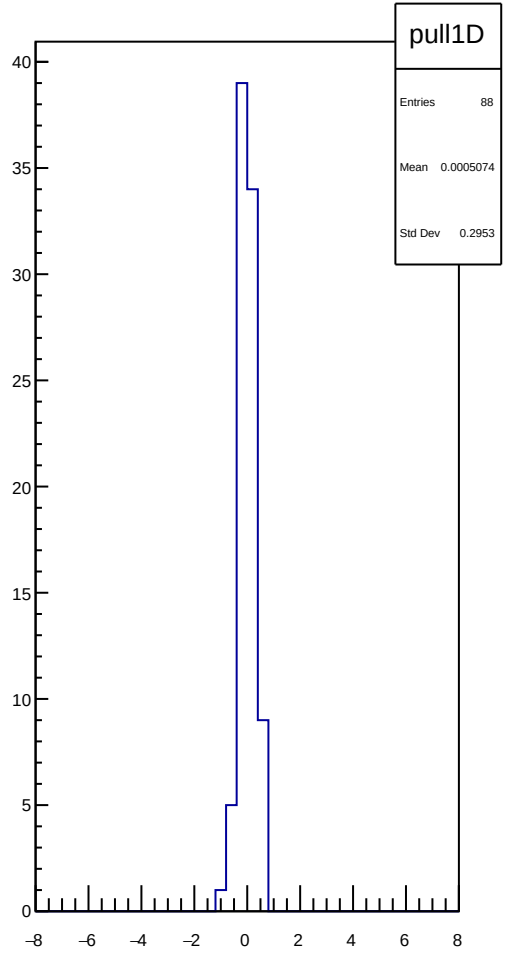

pull1D
Entries 88
Mean 3.924e−06
Std Dev 0.3266

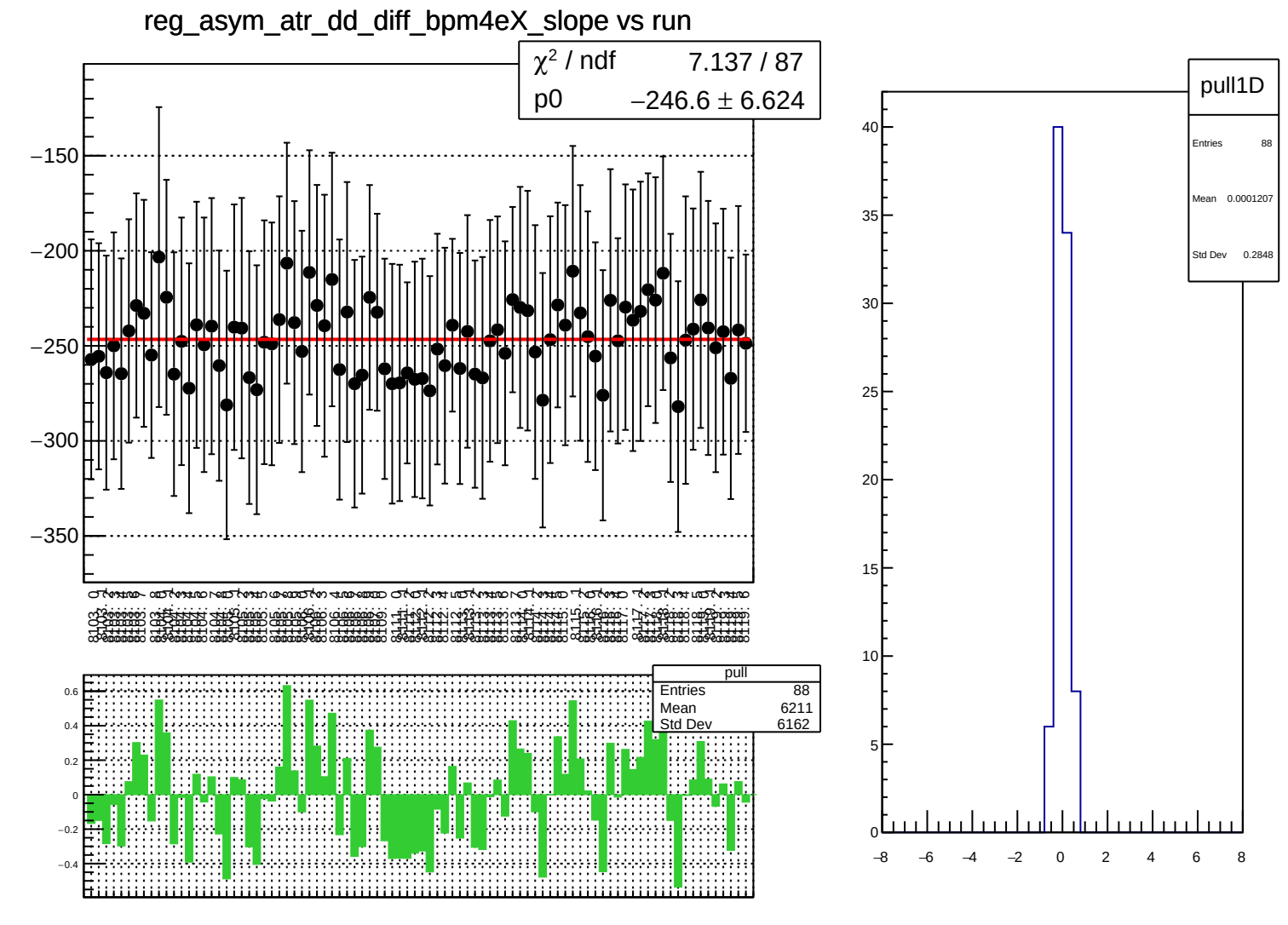

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 76.73 / 87
p0 −134.6 ± 0.3923
−125
−130
−135
−140
−145
−150
pull
Entries 88
Mean −610.6
Std Dev 661.4
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.0199
Std Dev 0.9335
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

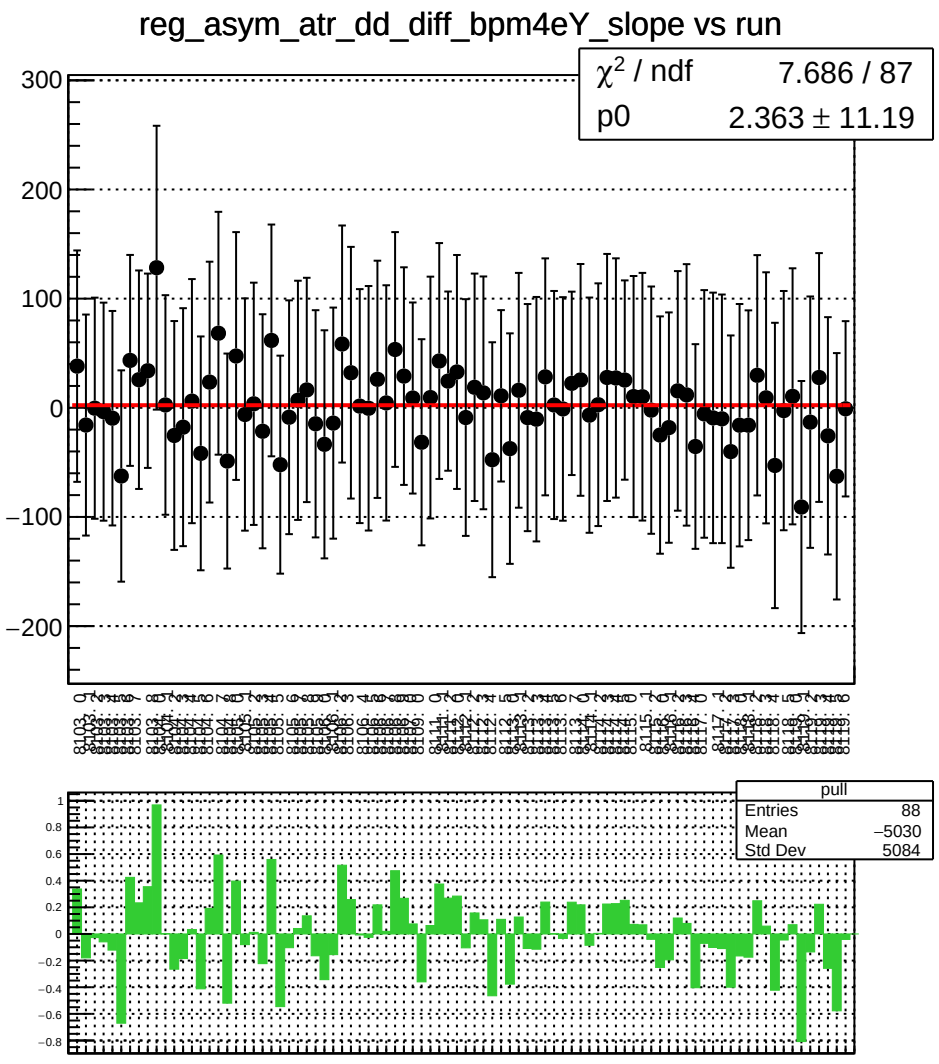

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 6.933 / 87
p0 190.6 ± 6.966
300
250
200
150
100
50
pull
Entries 88
Mean 1328
Std Dev 1276
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

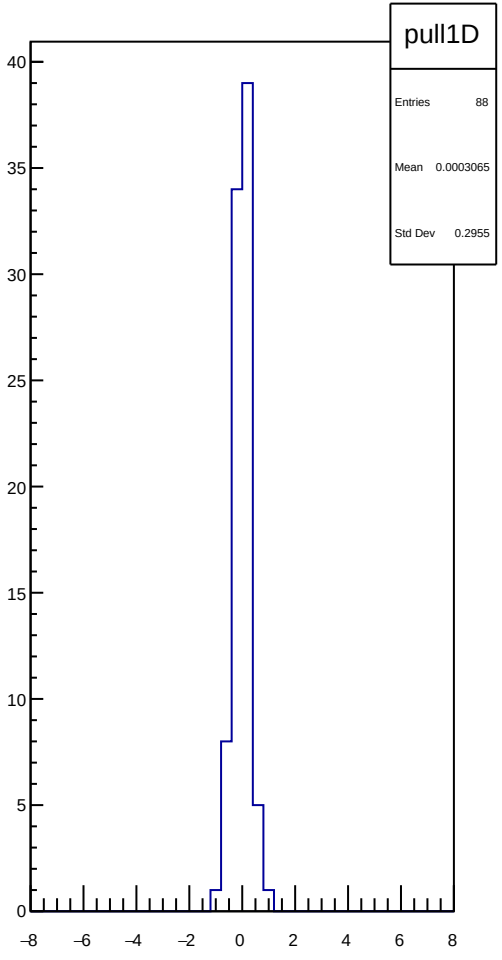

pull1D
Entries 88
Mean −0.0003123
Std Dev 0.2807
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

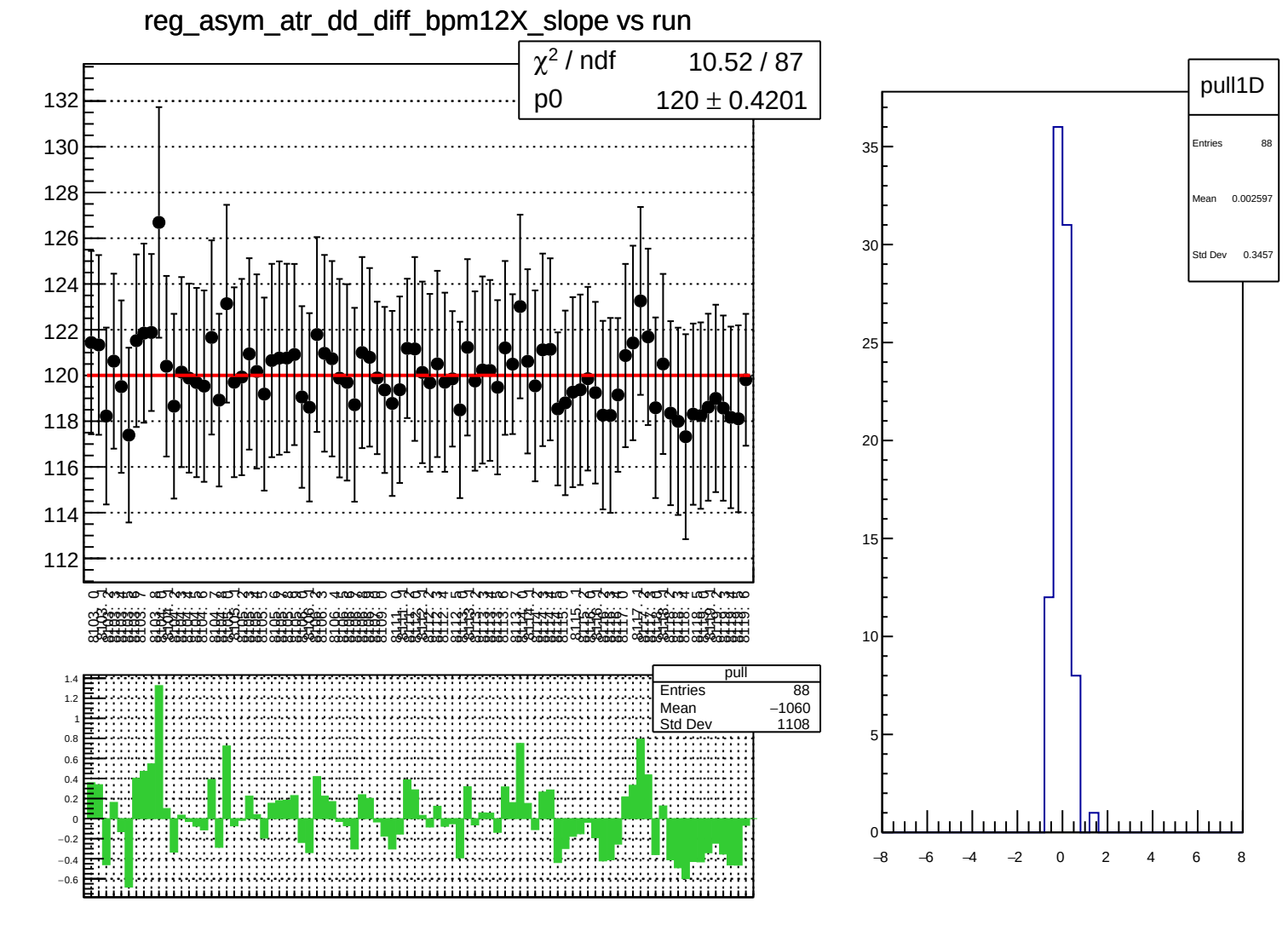

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.671 / 87
p0 −58.64 ± 10.47
100
0
−100
−200
−300
pull
Entries 88
Mean 3895
Std Dev 3843
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

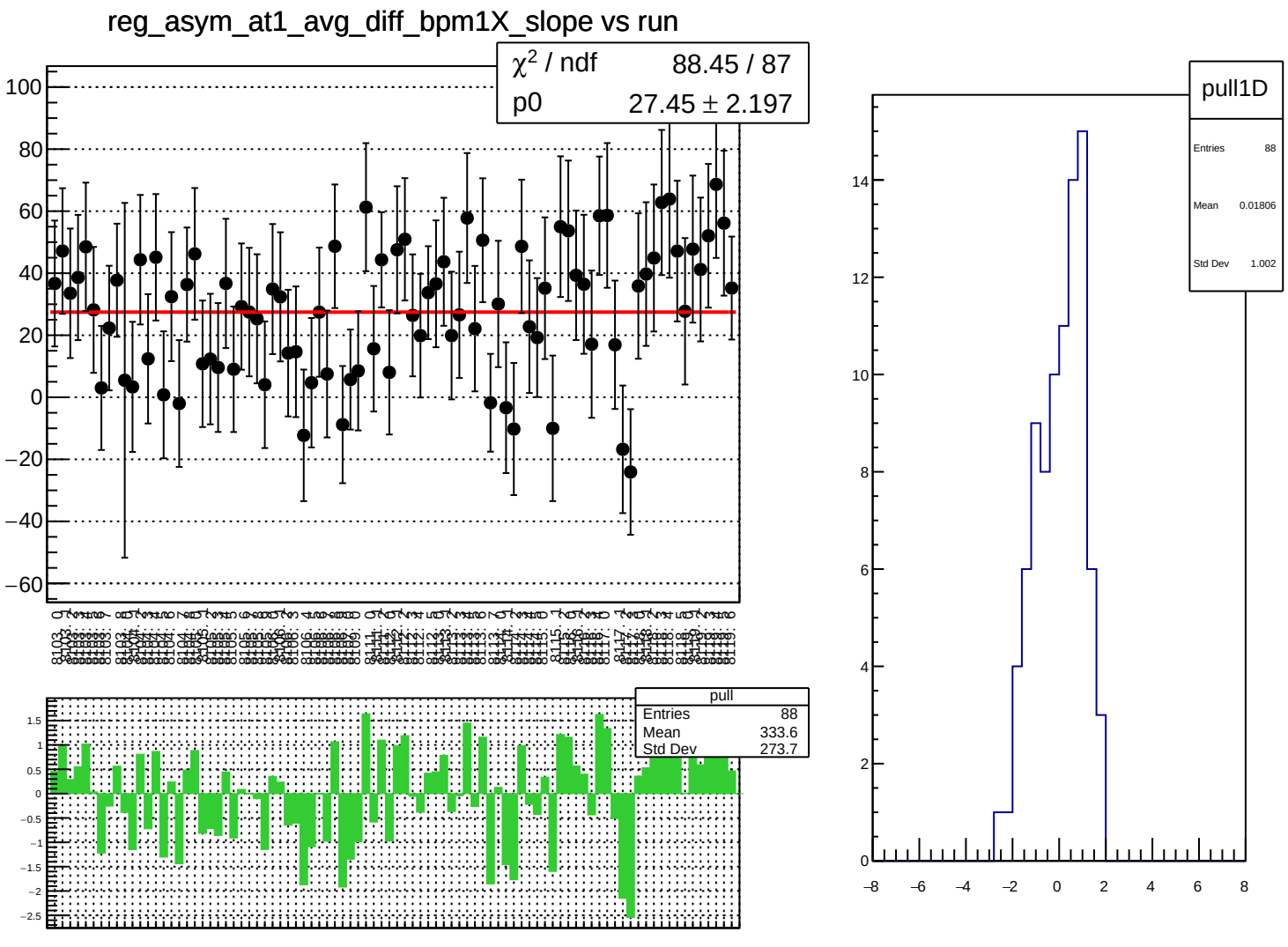

pull1D
Entries 88
Mean 0.0005074
Std Dev 0.2953
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

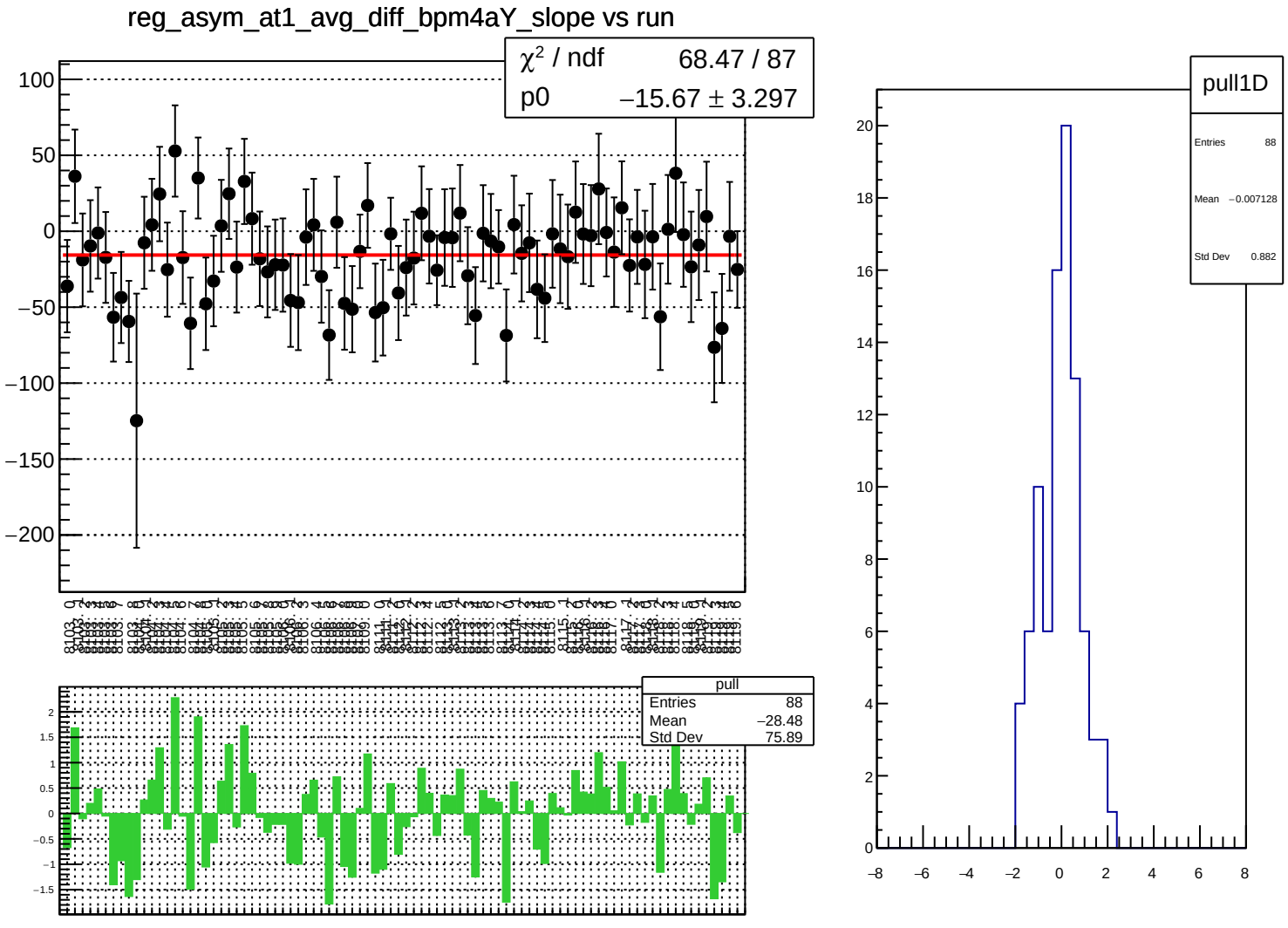

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.137 / 87
p0 −246.6 ± 6.624
−150
−200
−250
−300
−350
pull
Entries 88
Mean 6211
Std Dev 6162
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 88
Mean 0.0001207
Std Dev 0.2848
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

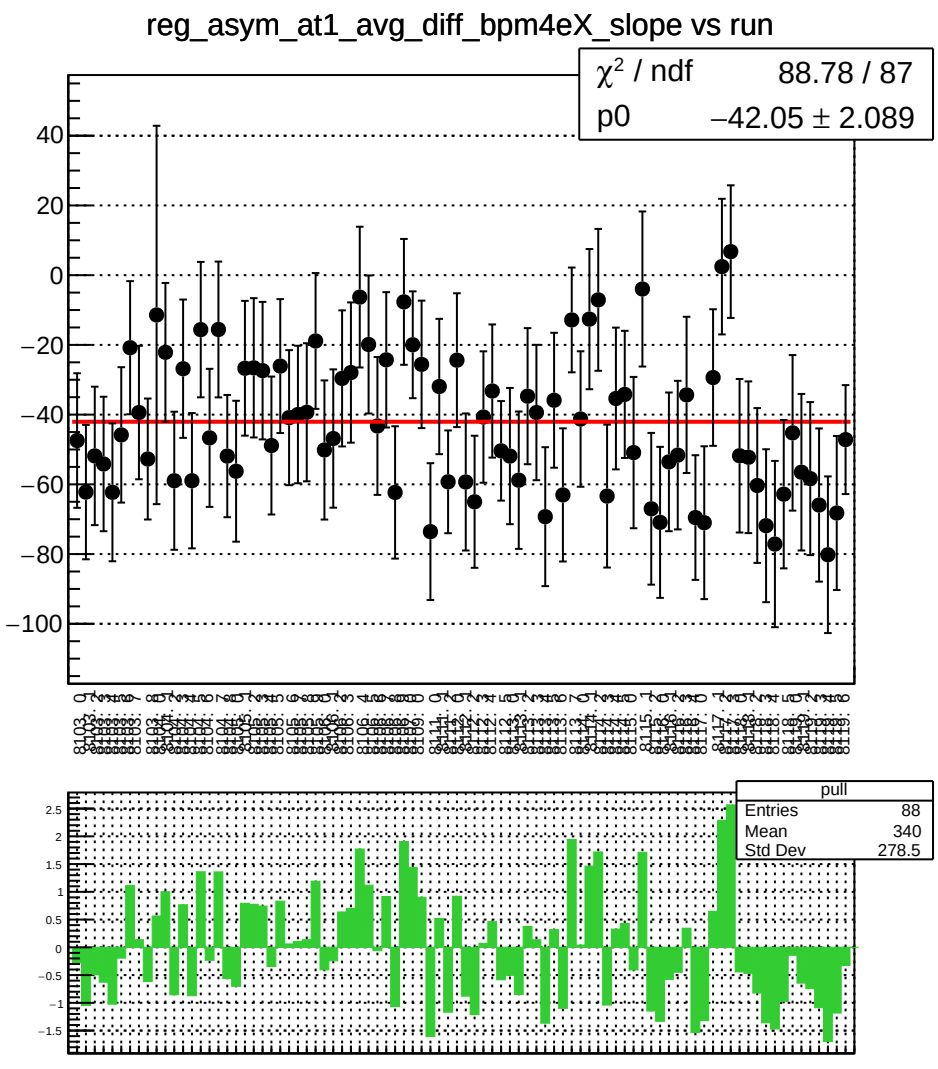

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.686 / 87
p0 2.363 ± 11.19
pull
Entries 88
Mean −5030
Std Dev 5084

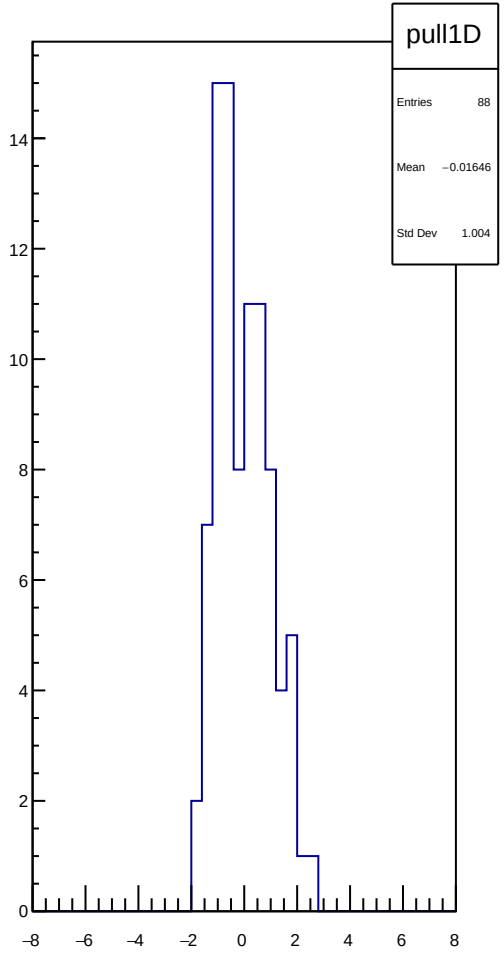

pull1D
Entries 88
Mean 0.0003065
Std Dev 0.2955

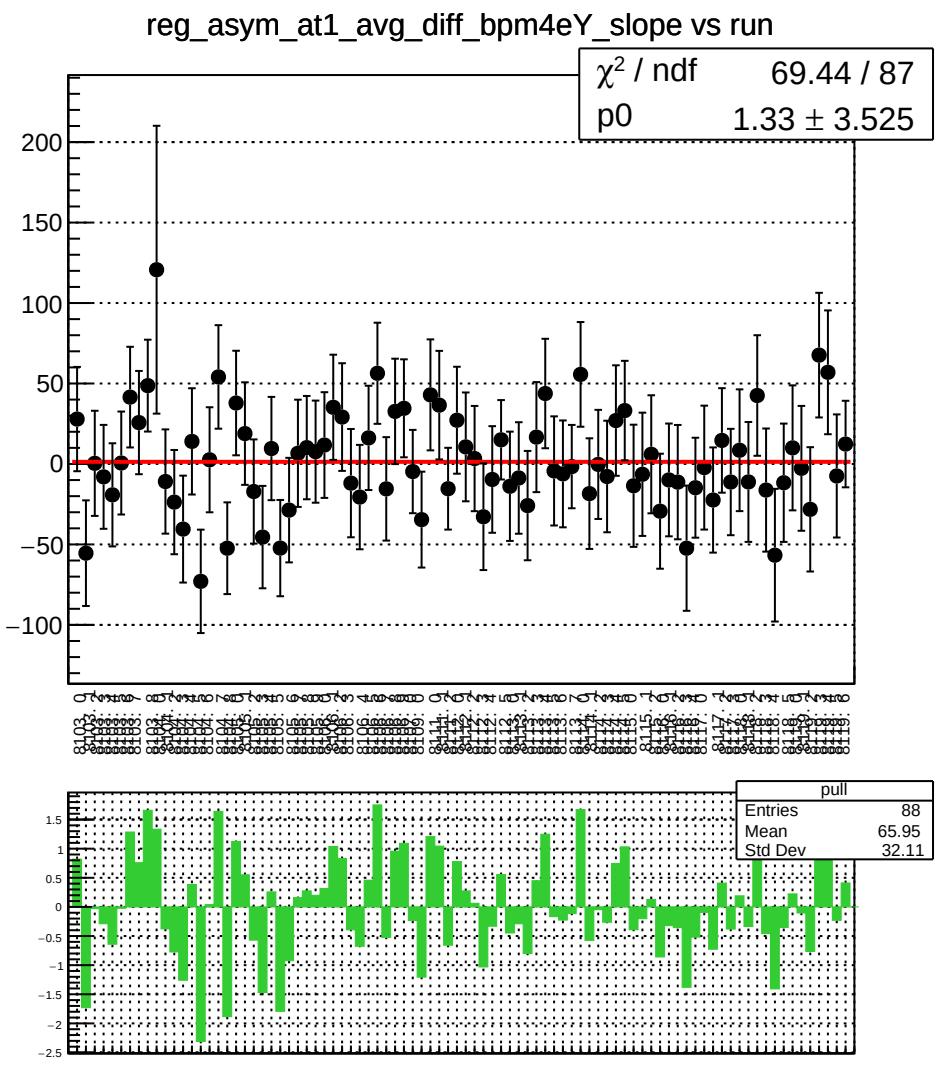

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.52 / 87
p0 120 ± 0.4201
pull
Entries 88
Mean −1060
Std Dev 1108
pull1D
Entries 88
Mean 0.002597
Std Dev 0.3457

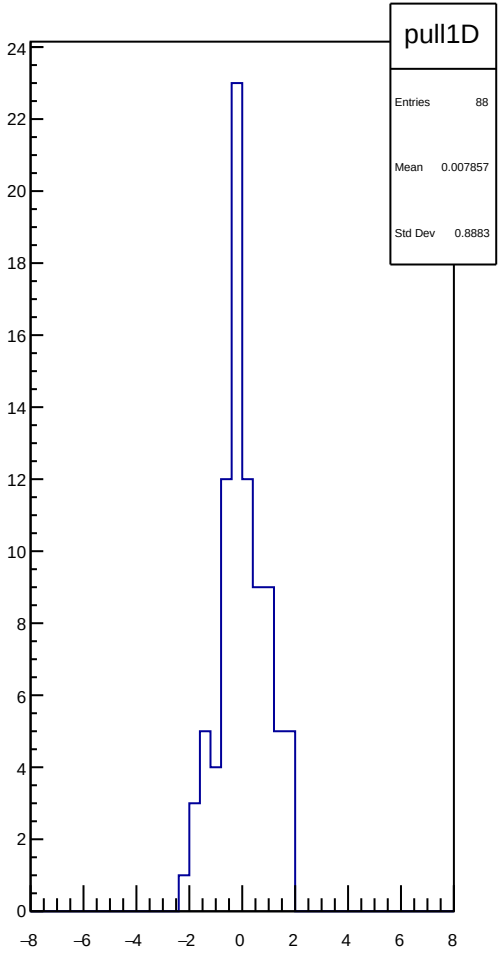

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 88.45 / 87
p0 27.45 ± 2.197
pull
Entries 88
Mean 333.6
Std Dev 273.7
pull1D
Entries 88
Mean 0.01806
Std Dev 1.002

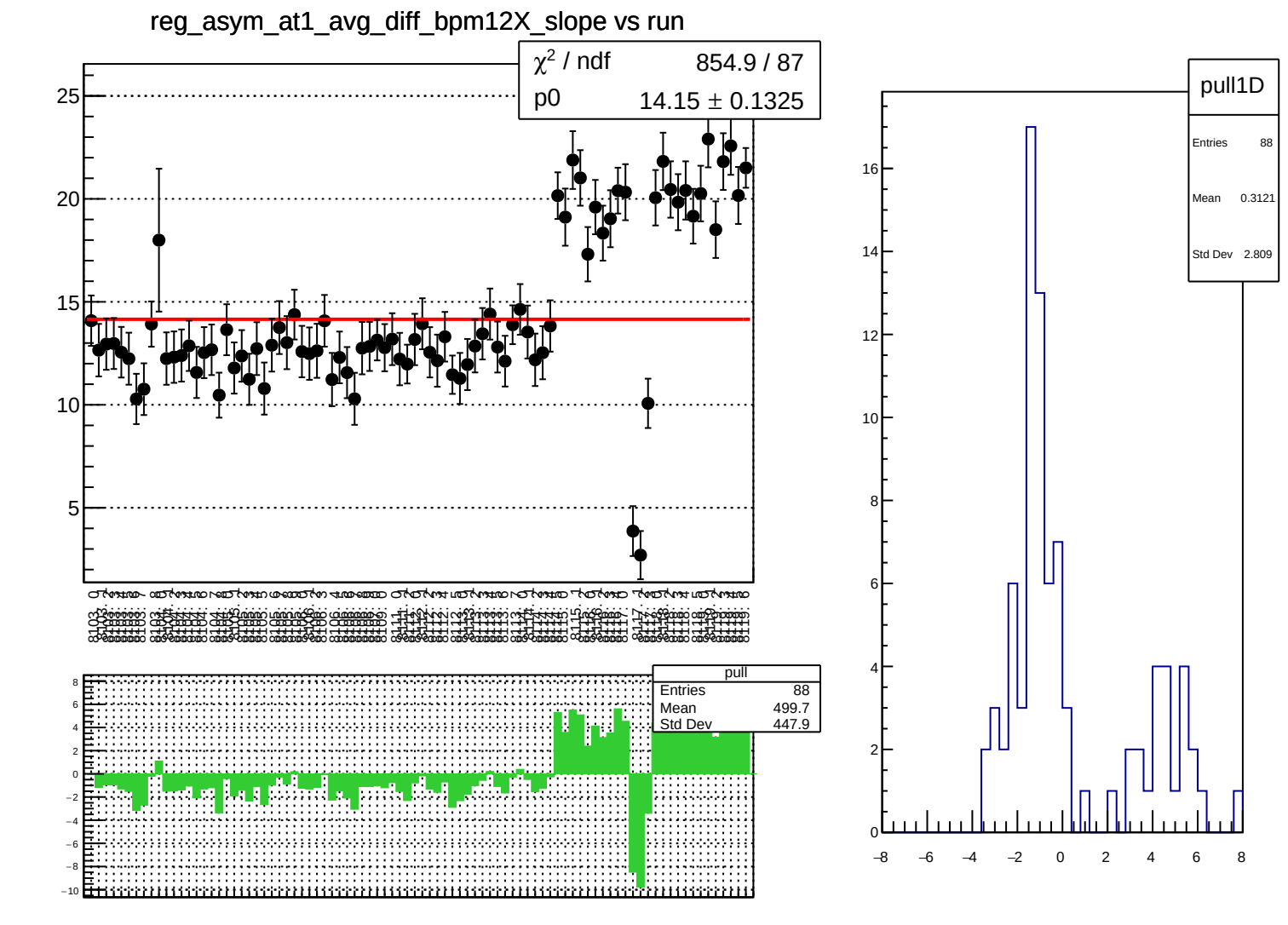

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 68.47 / 87
p0 −15.67 ± 3.297
pull
Entries 88
Mean −28.48
Std Dev 75.89
pull1D
Entries 88
Mean −0.007128
Std Dev 0.882

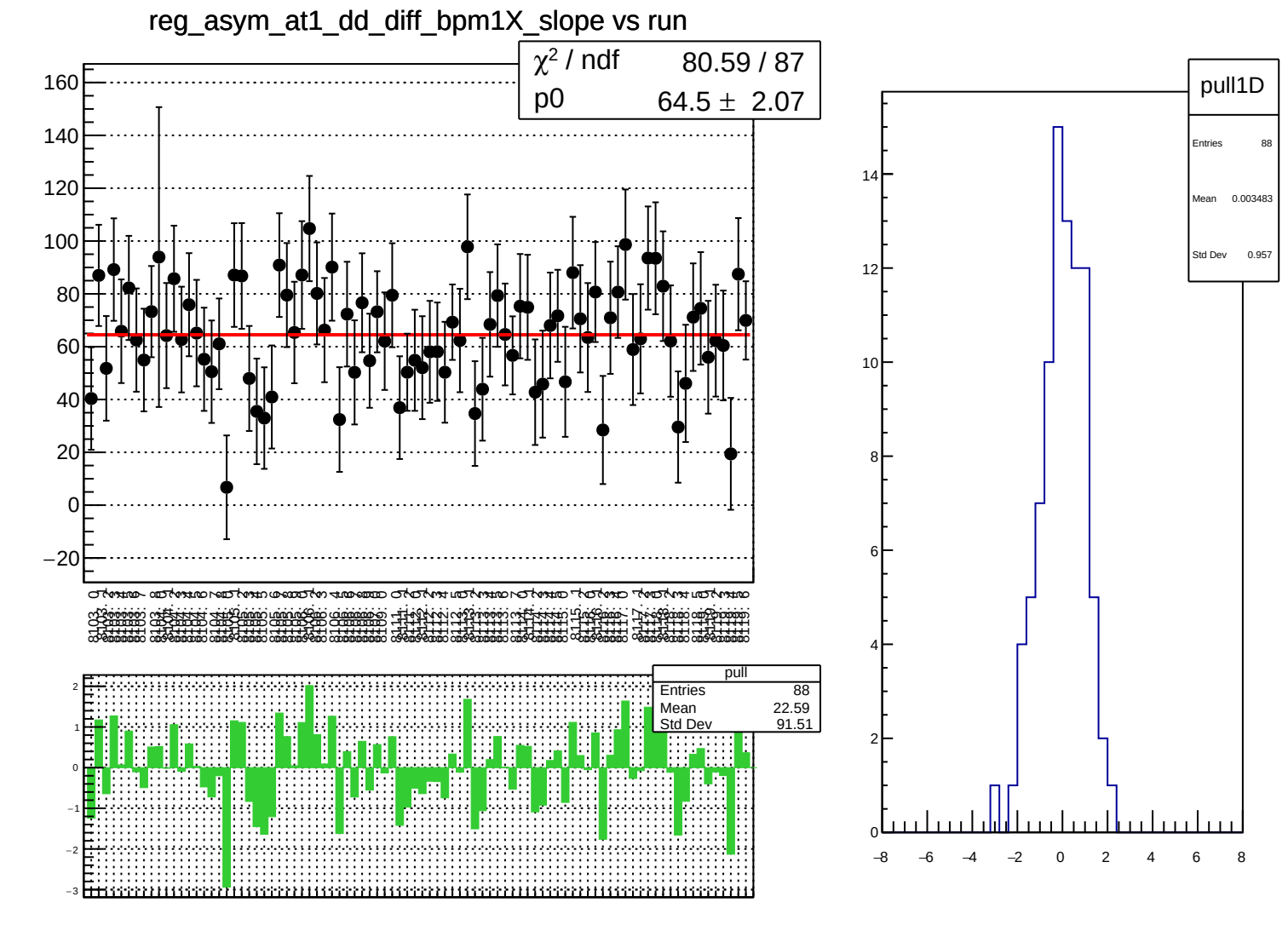

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.78 / 87
p0 −42.05 ± 2.089
pull
Entries 88
Mean 340
Std Dev 278.5

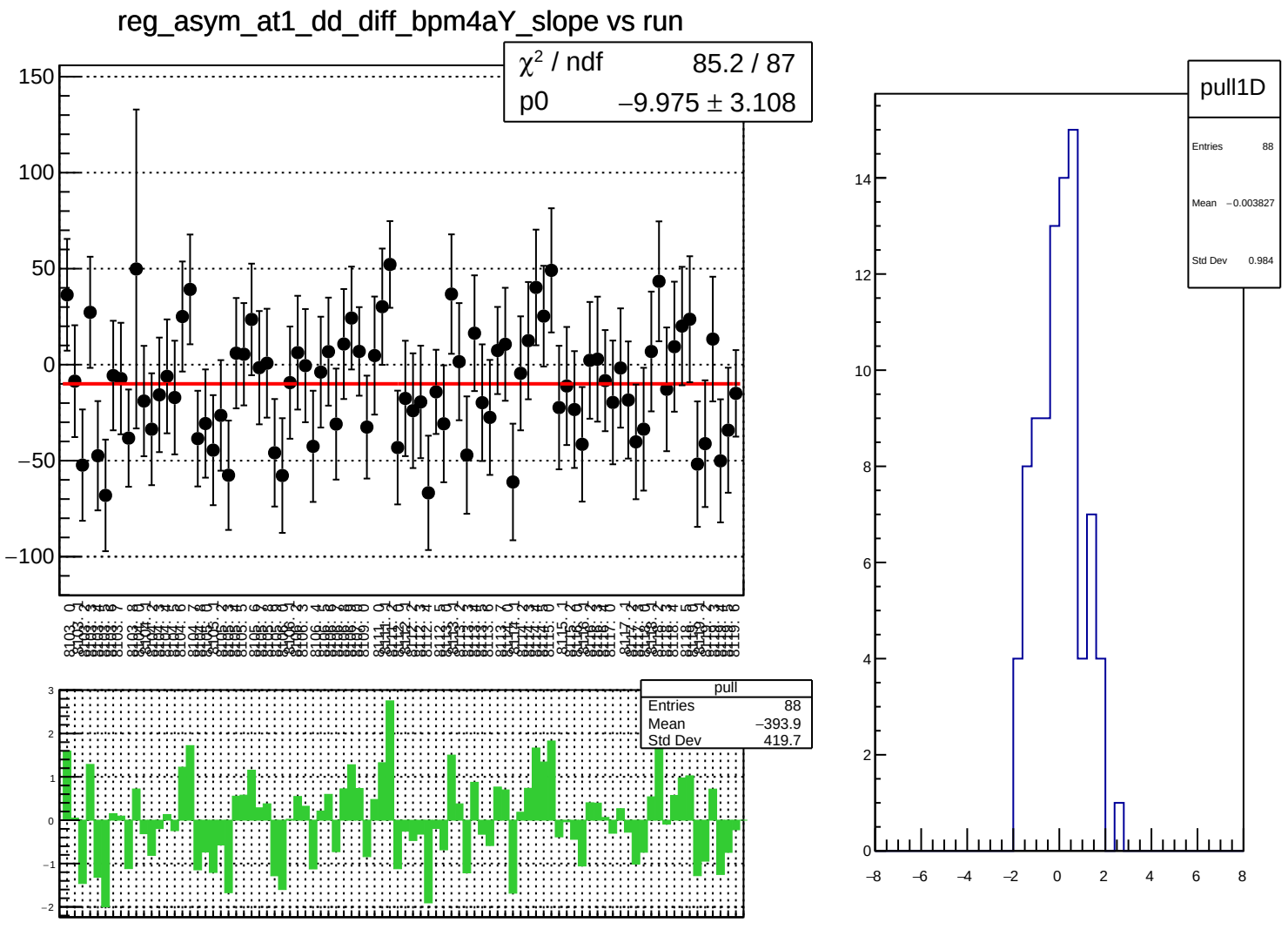

pull1D
Entries 88
Mean −0.01646
Std Dev 1.004

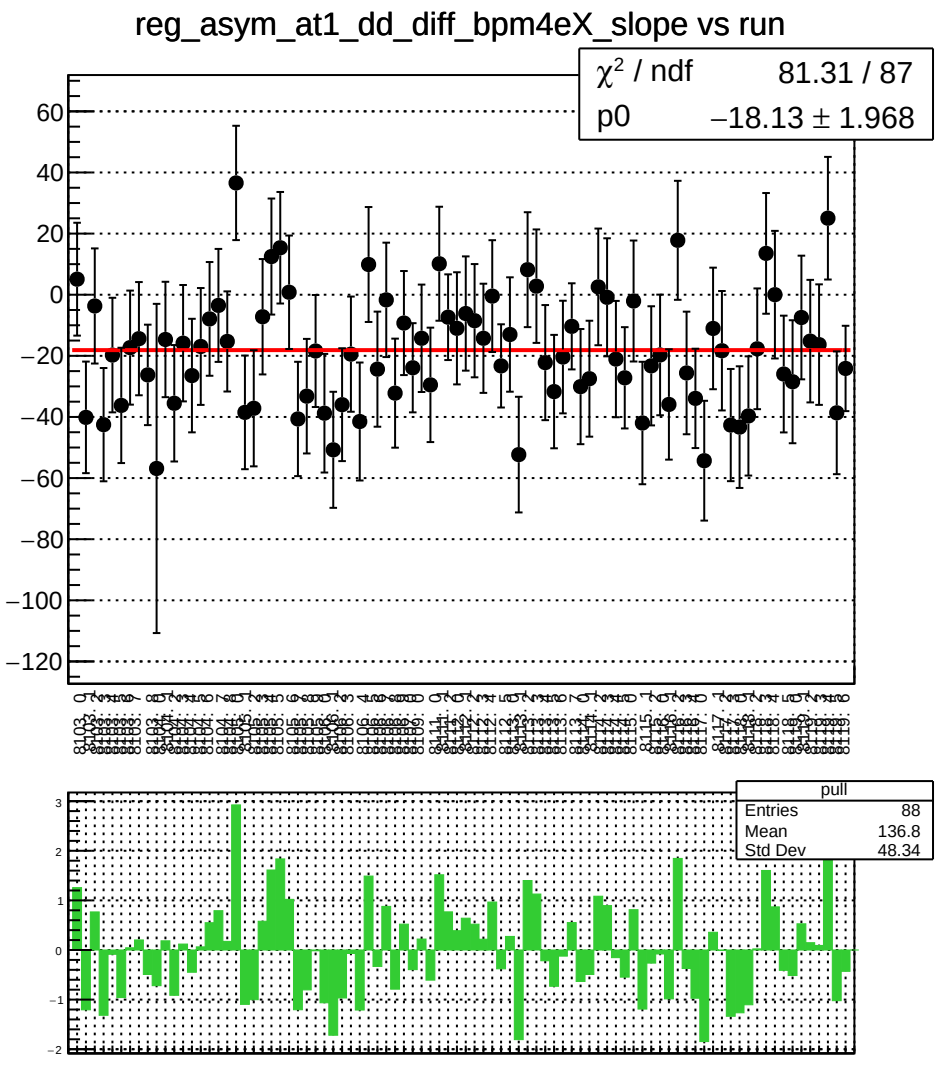

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 69.44 / 87
p0 1.33 ± 3.525
pull
Entries 88
Mean 65.95
Std Dev 32.11

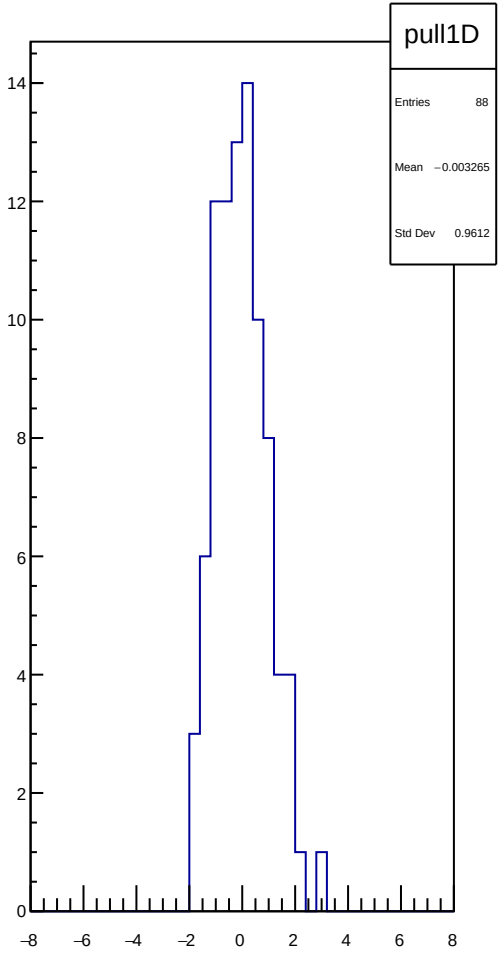

pull1D
Entries 88
Mean 0.007857
Std Dev 0.8883

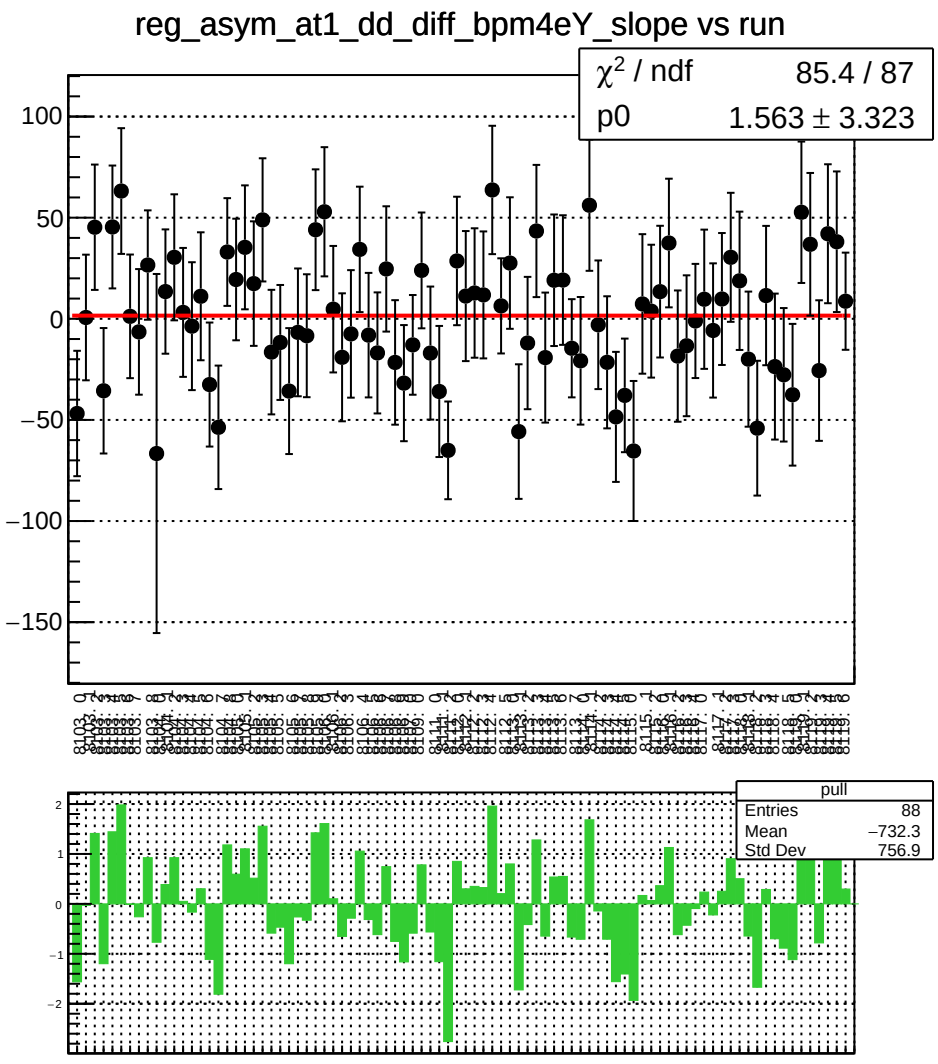

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 854.9 / 87
p0 14.15 ± 0.1325
pull
Entries 88
Mean 499.7
Std Dev 447.9
pull1D
Entries 88
Mean 0.3121
Std Dev 2.809

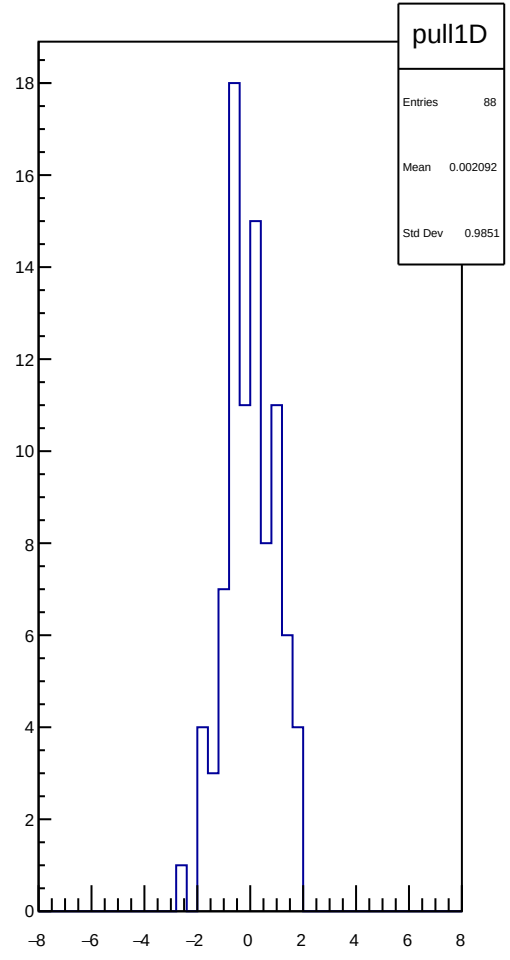

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 80.59 / 87
p0 64.5 ± 2.07
pull
Entries 88
Mean 22.59
Std Dev 91.51
pull1D
Entries 88
Mean 0.003483
Std Dev 0.957

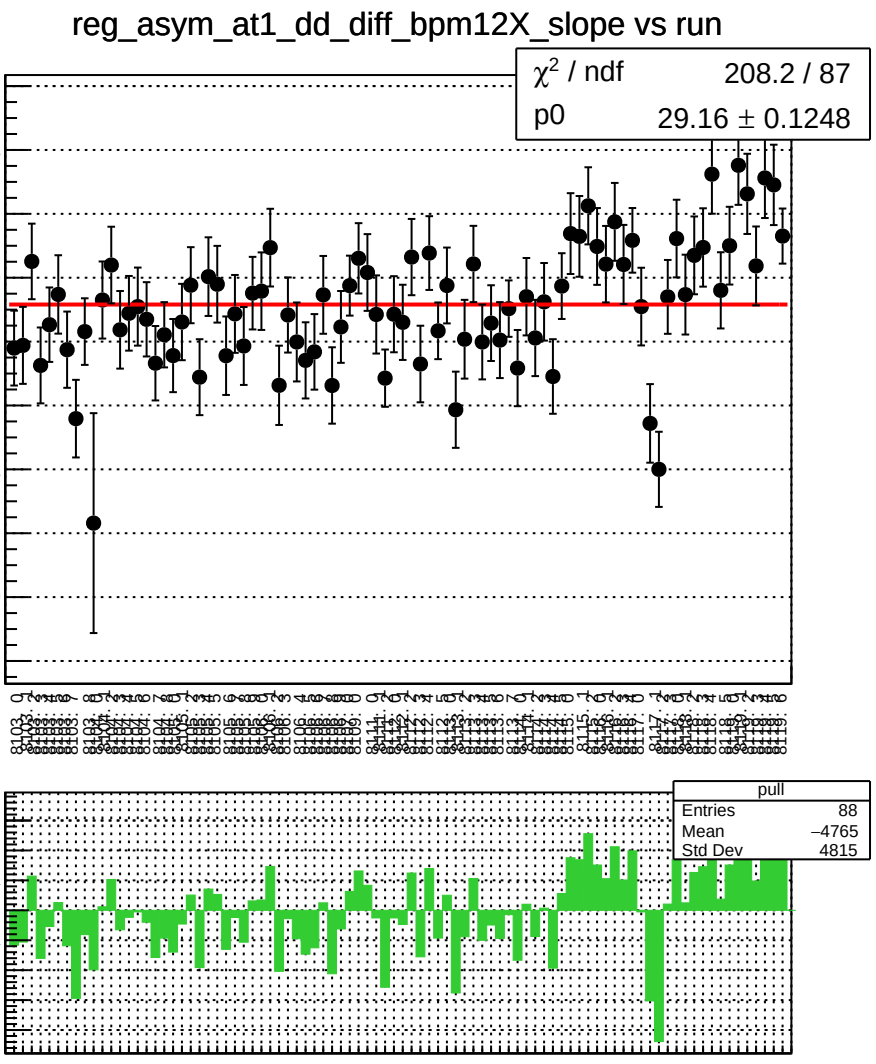

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.2 / 87
p0 −9.975 ± 3.108
150
100
50
0
−50
−100
pull
Entries 88
Mean −393.9
Std Dev 419.7
3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.003827
Std Dev 0.984
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

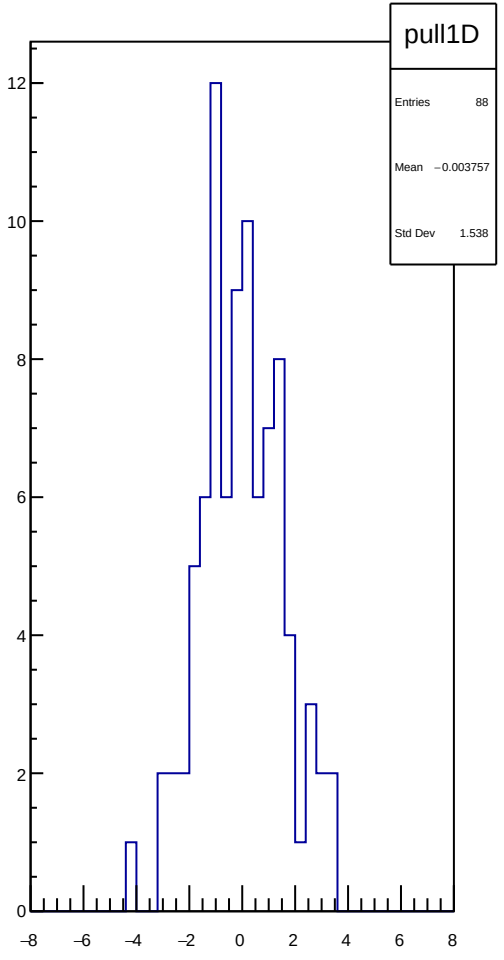

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 81.31 / 87
p0 −18.13 ± 1.968
pull
Entries 88
Mean 136.8
Std Dev 48.34

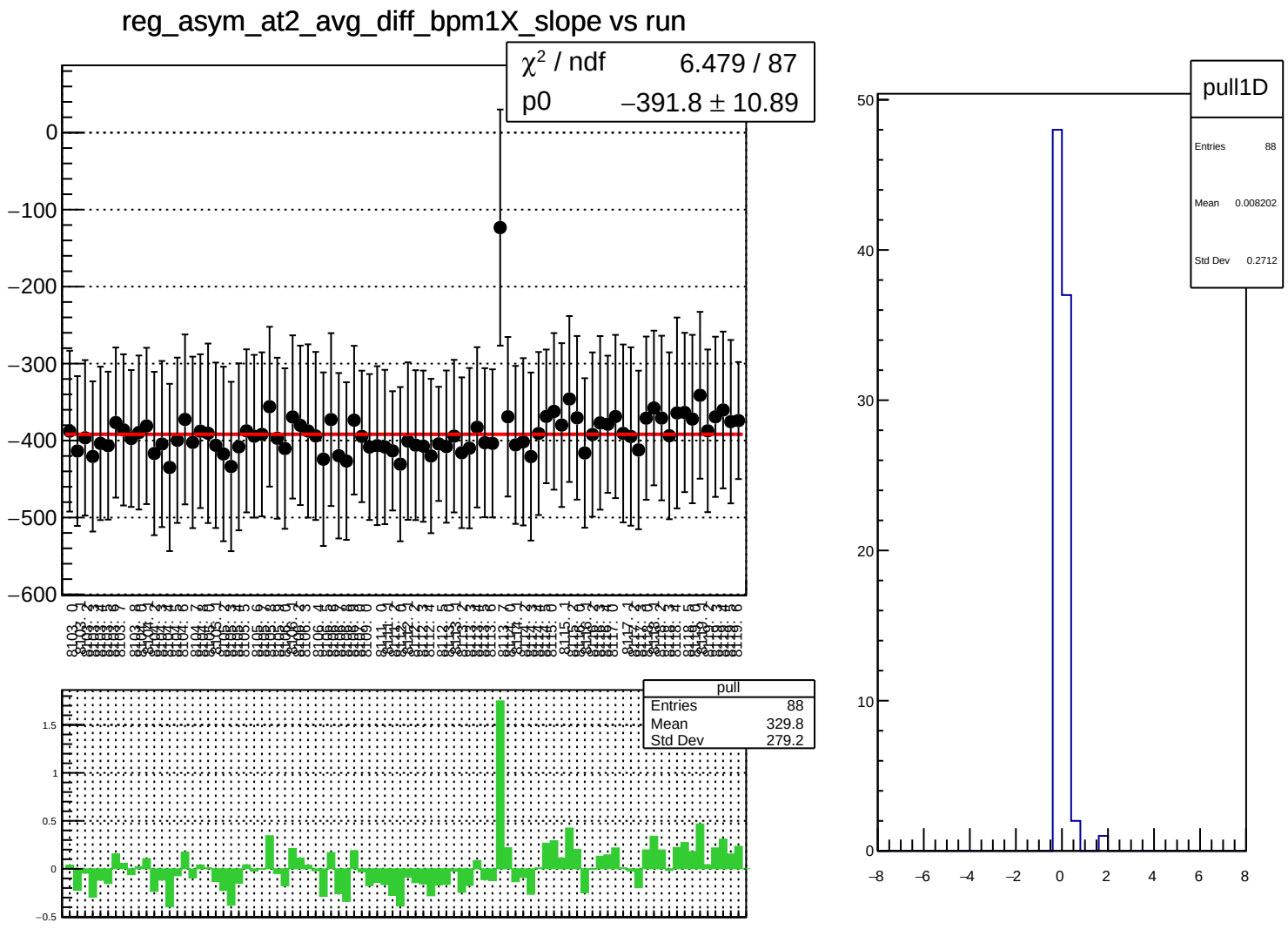

pull1D
Entries 88
Mean −0.003265
Std Dev 0.9612

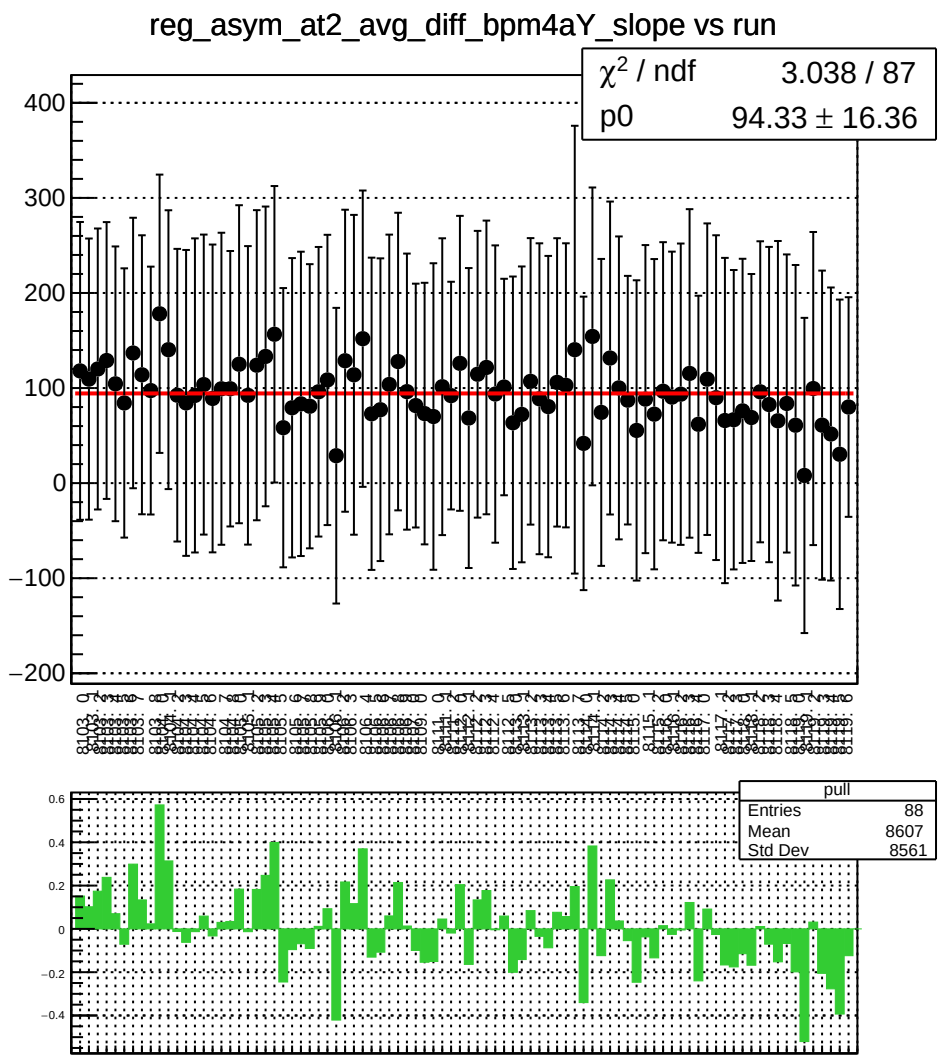

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.4 / 87
p0 1.563 ± 3.323
100
50
0
−50
−100
−150
pull
Entries 88
Mean −732.3
Std Dev 756.9
2
1
0
−1
−2

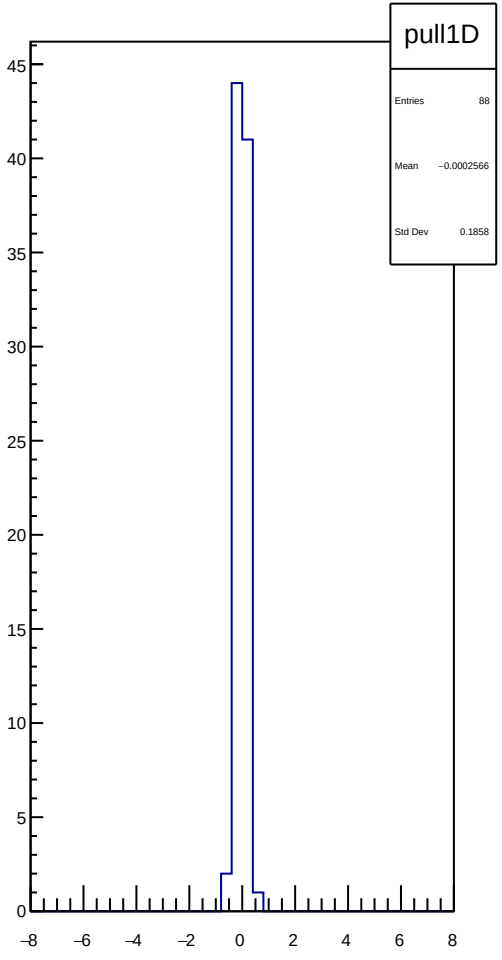

pull1D
Entries 88
Mean 0.002092
Std Dev 0.9851
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

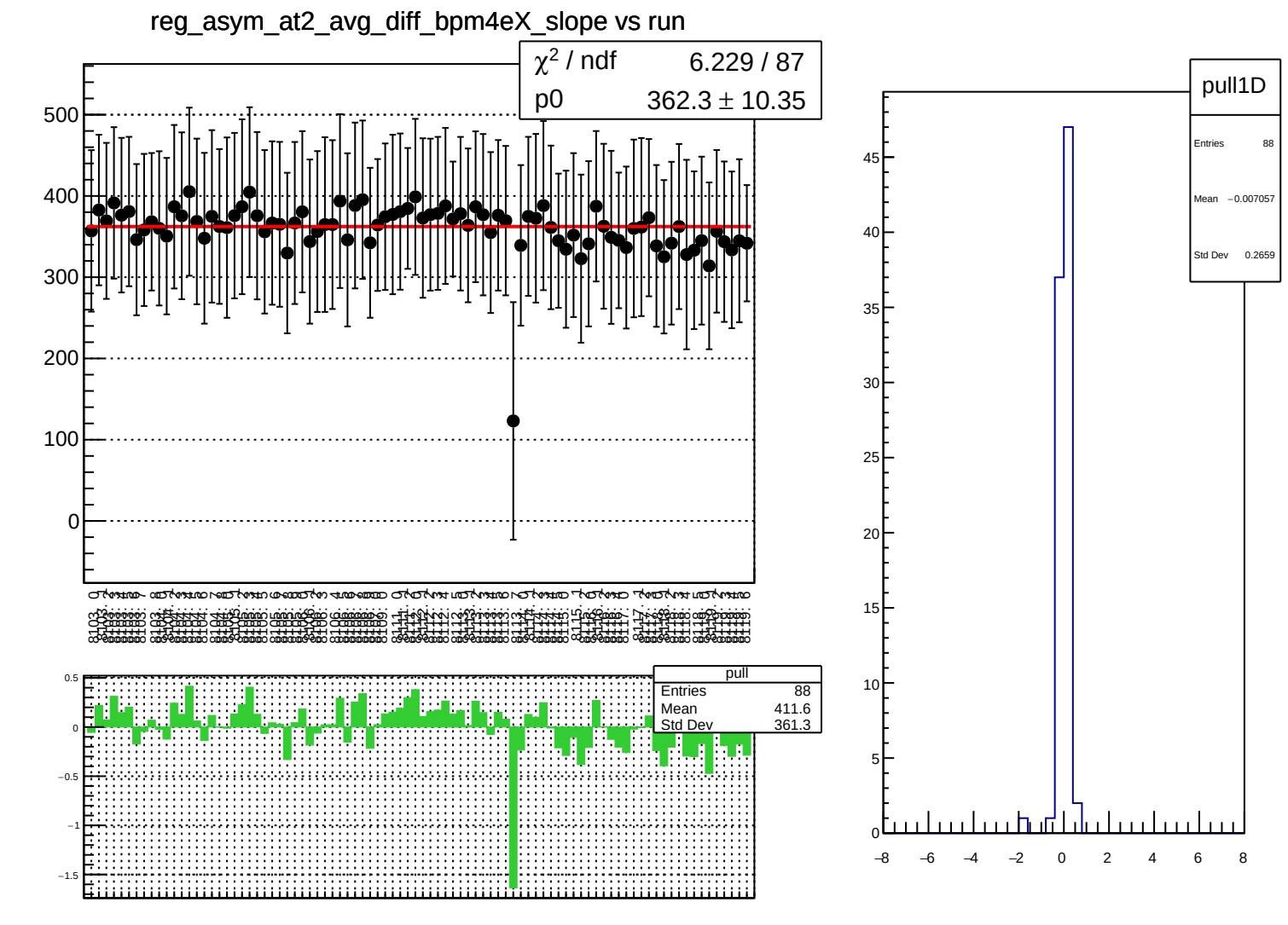

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 208.2 / 87
p0 29.16 ± 0.1248
pull
Entries 88
Mean −4765
Std Dev 4815

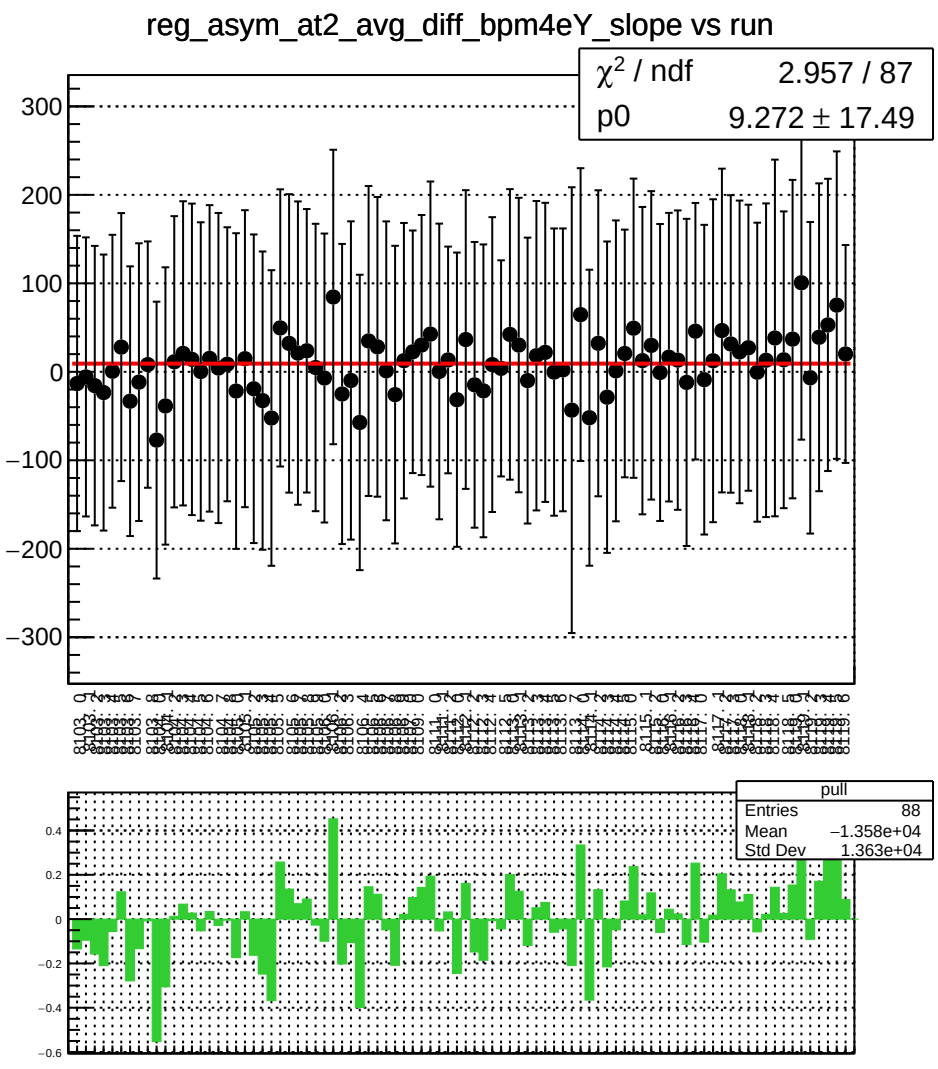

pull1D
Entries 88
Mean −0.003757
Std Dev 1.538

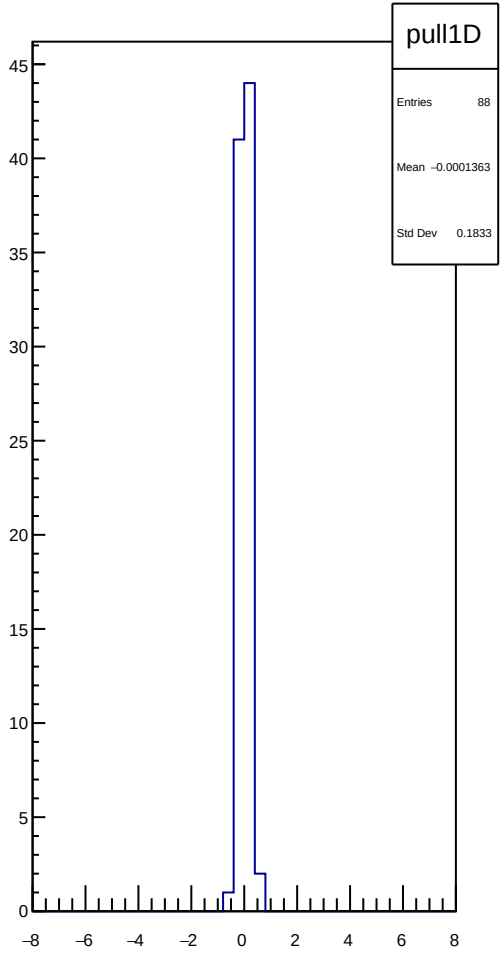

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 6.479 / 87
p0 −391.8 ± 10.89
pull
Entries 88
Mean 329.8
Std Dev 279.2
pull1D
Entries 88
Mean 0.008202
Std Dev 0.2712

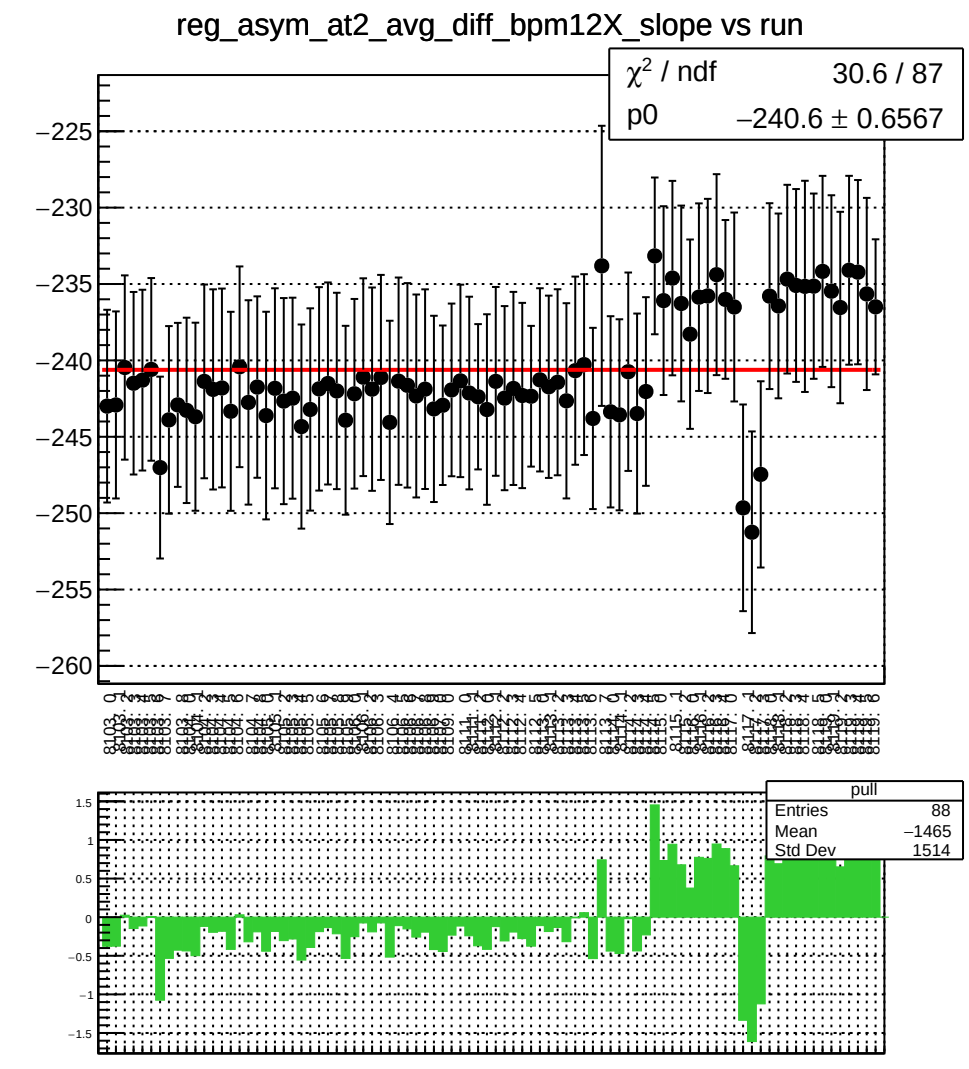

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.038 / 87
p0 94.33 ± 16.36
pull
Entries 88
Mean 8607
Std Dev 8561

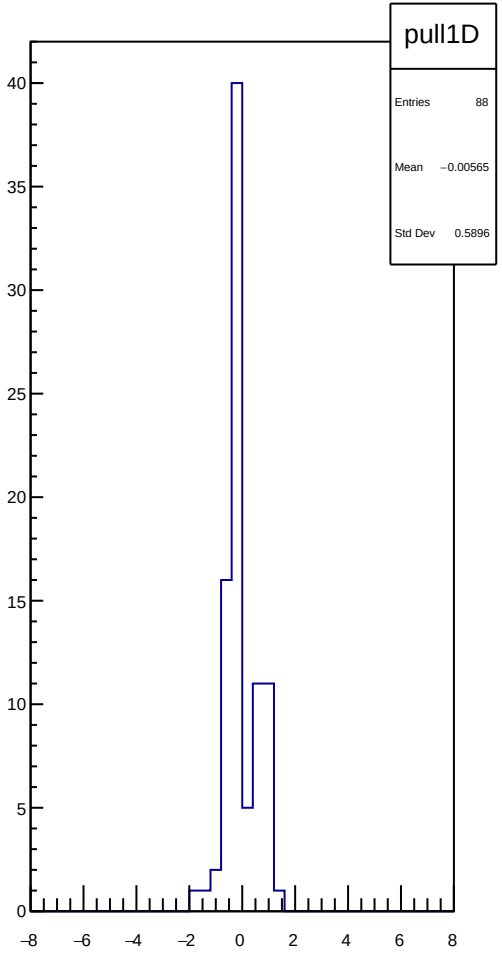

pull1D
Entries 88
Mean −0.0002566
Std Dev 0.1858

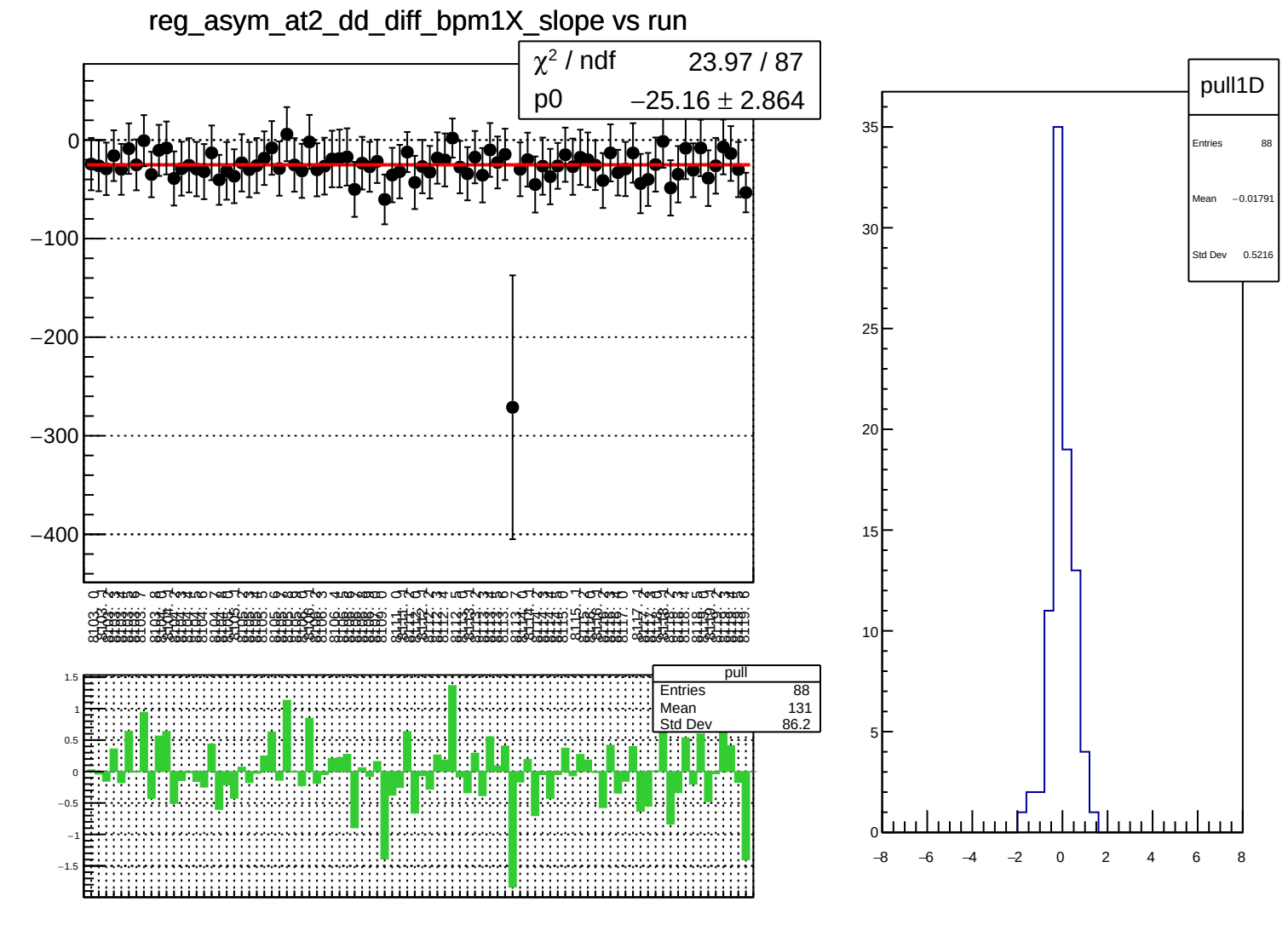

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.229 / 87
p0 362.3 ± 10.35
500
400
300
200
100
0
pull
Entries 88
Mean 411.6
Std Dev 361.3
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.007057
Std Dev 0.2659
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

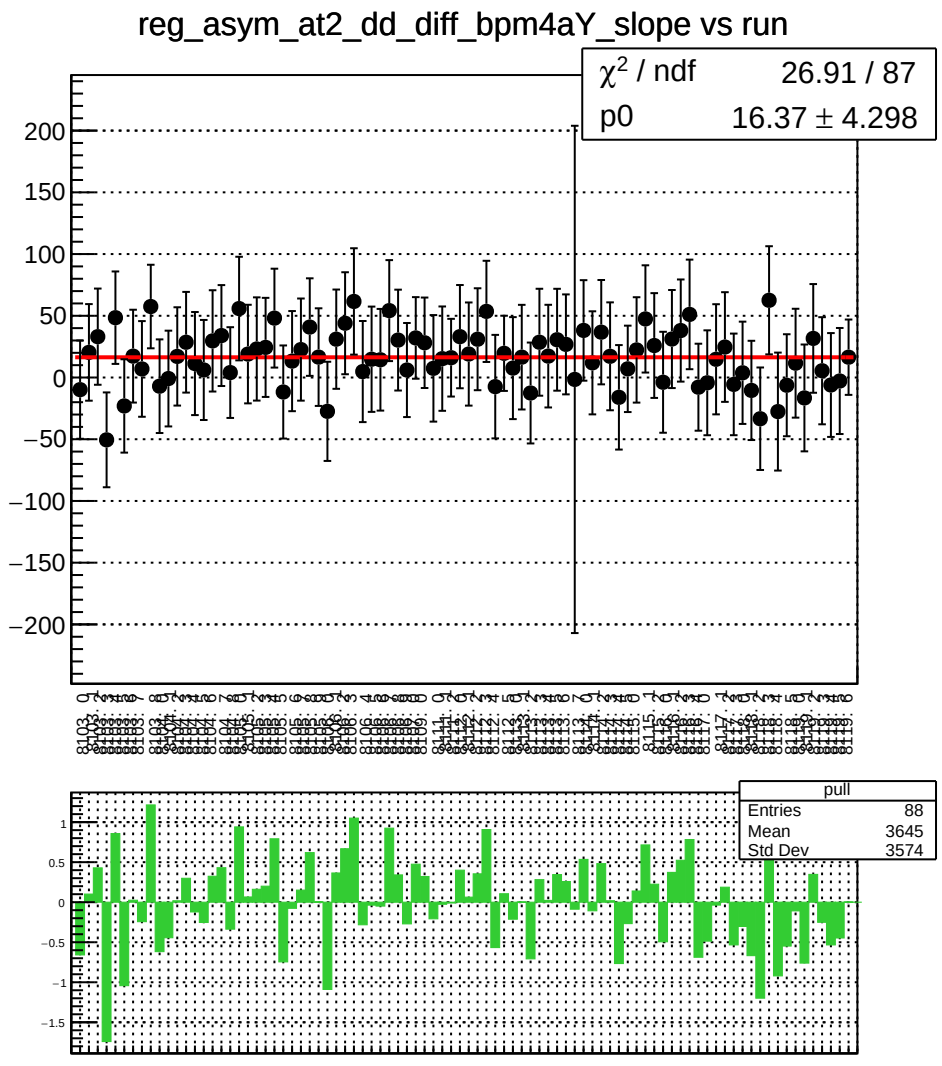

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.957 / 87
p0 9.272 ± 17.49
300
200
100
0
−100
−200
−300
pull
Entries 88
Mean −1.358e+04
Std Dev 1.363e+04
0.4
0.2
0
−0.2
−0.4
−0.6

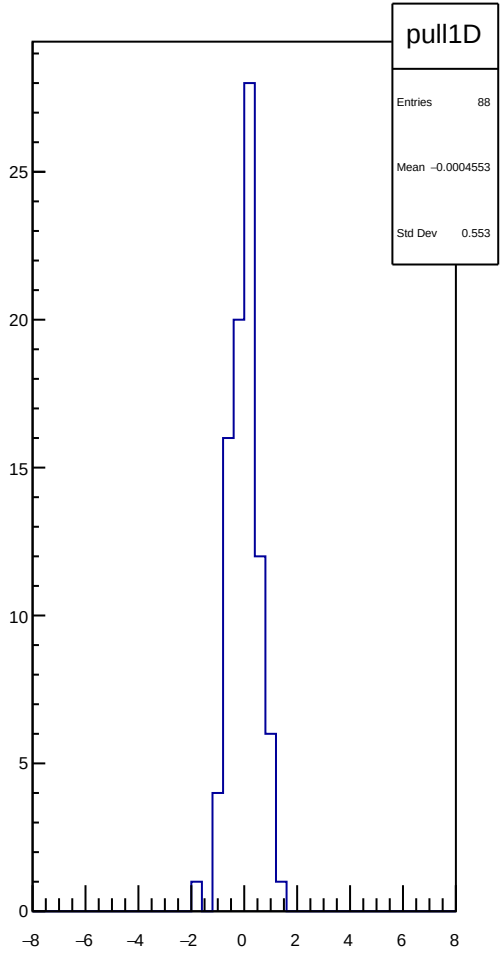

pull1D
Entries 88
Mean −0.0001363
Std Dev 0.1833
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

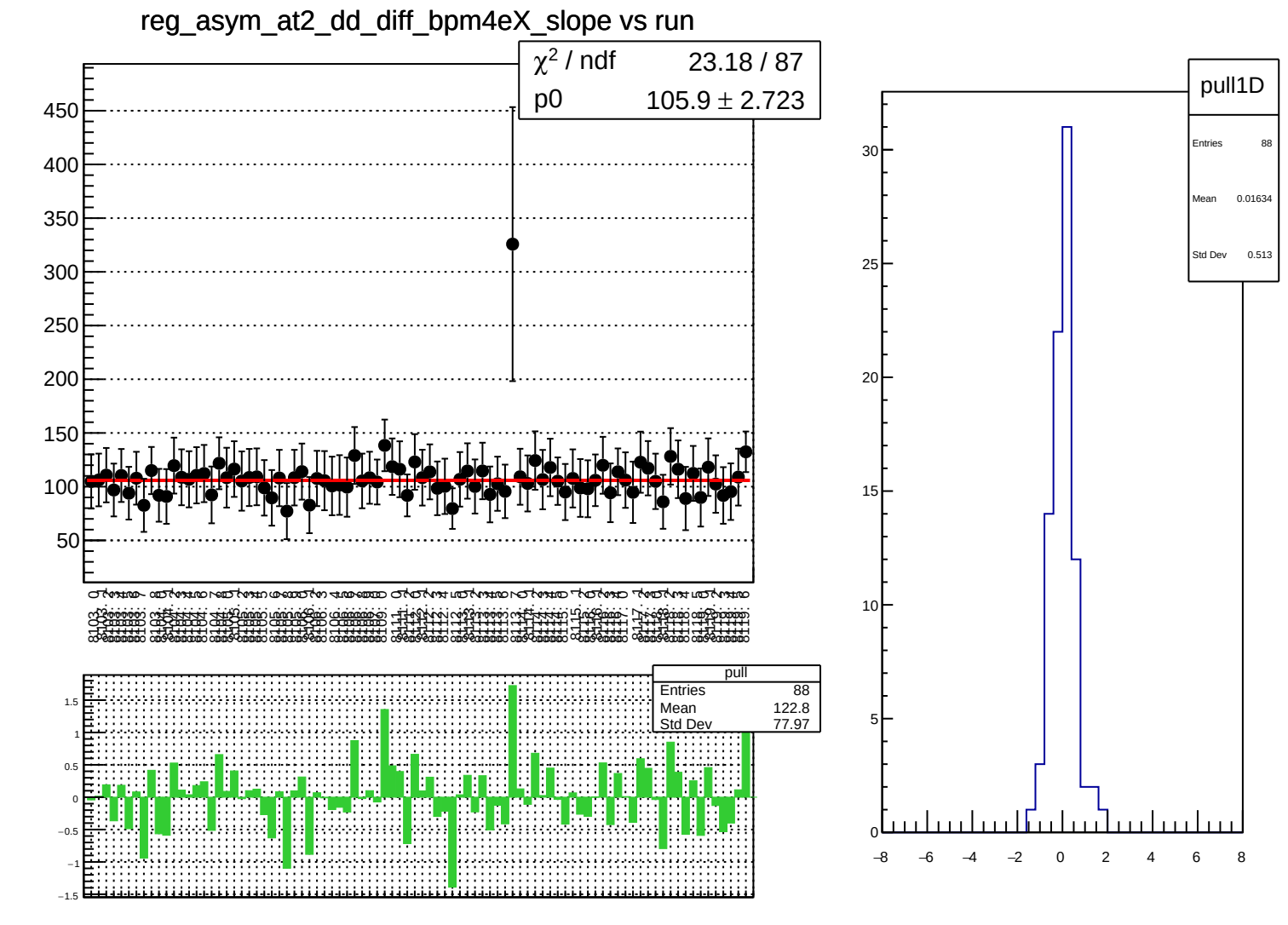

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 30.6 / 87
p0 −240.6 ± 0.6567
pull
Entries 88
Mean −1465
Std Dev 1514

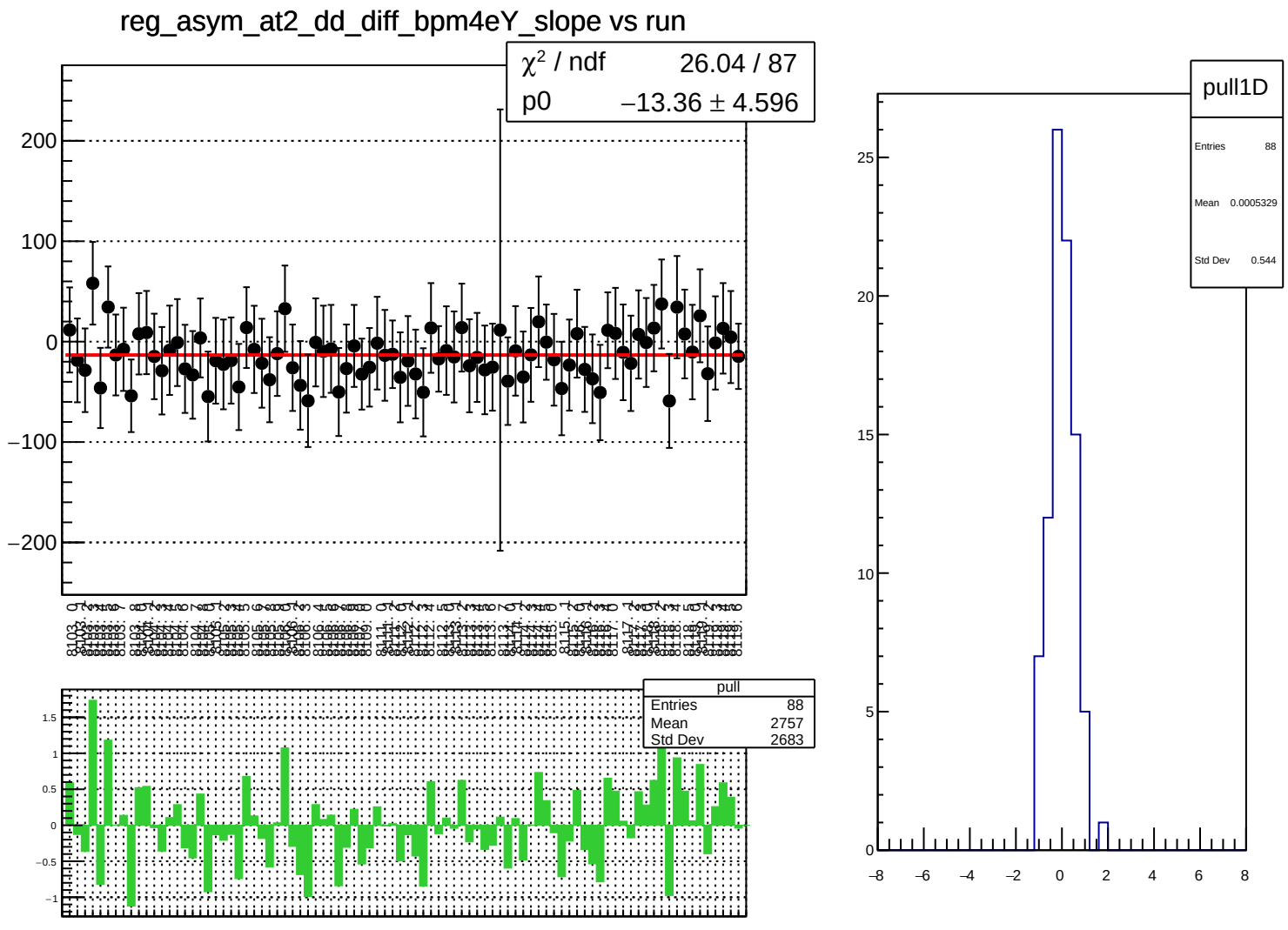

pull1D
Entries 88
Mean −0.00565
Std Dev 0.5896

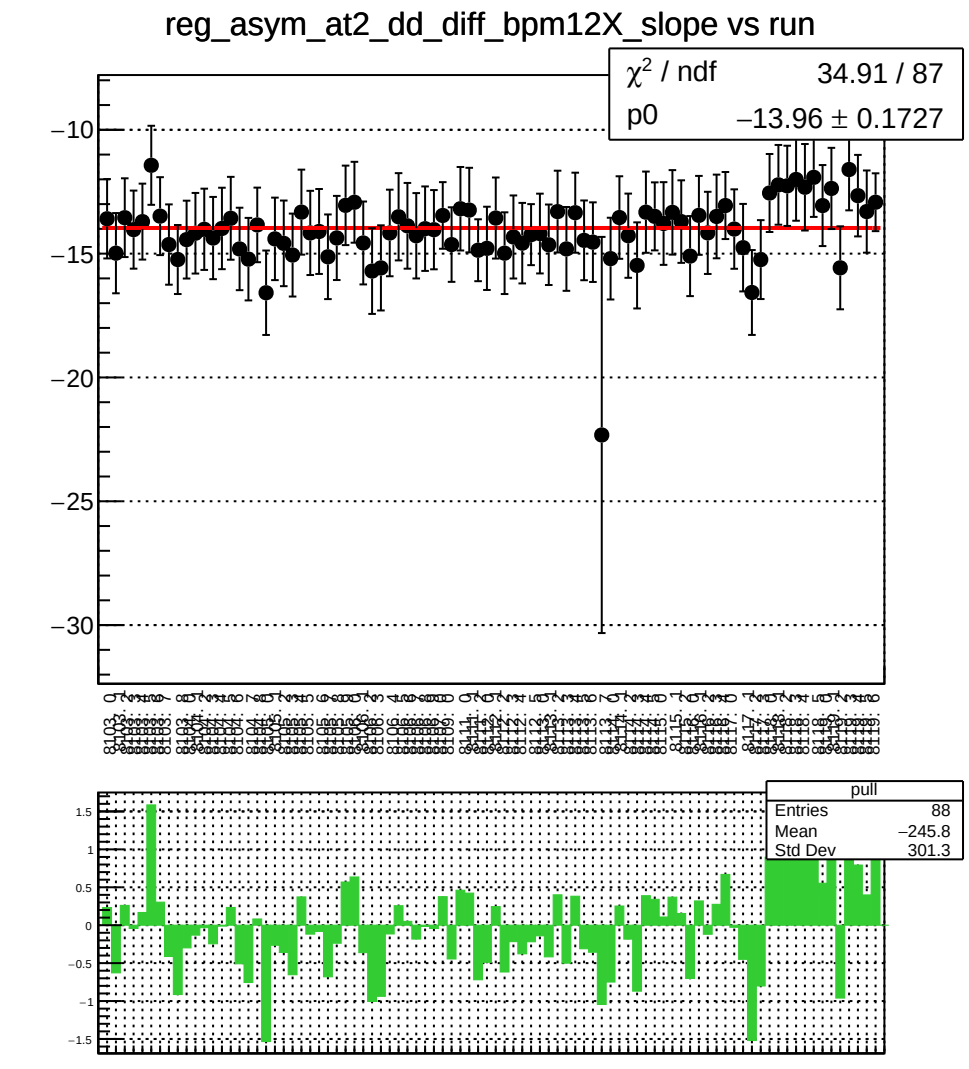

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.97 / 87
p0 −25.16 ± 2.864
0
−100
−200
−300
−400
pull
Entries 88
Mean 131
Std Dev 86.2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.01791
Std Dev 0.5216
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

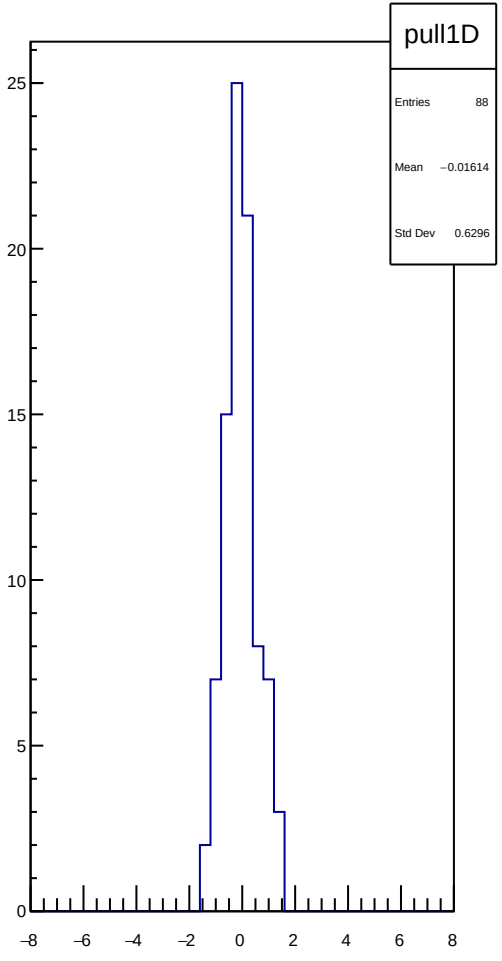

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 87
p0 16.37 ± 4.298
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 88
Mean 3645
Std Dev 3574
1
0.5
0
−0.5
−1
−1.5

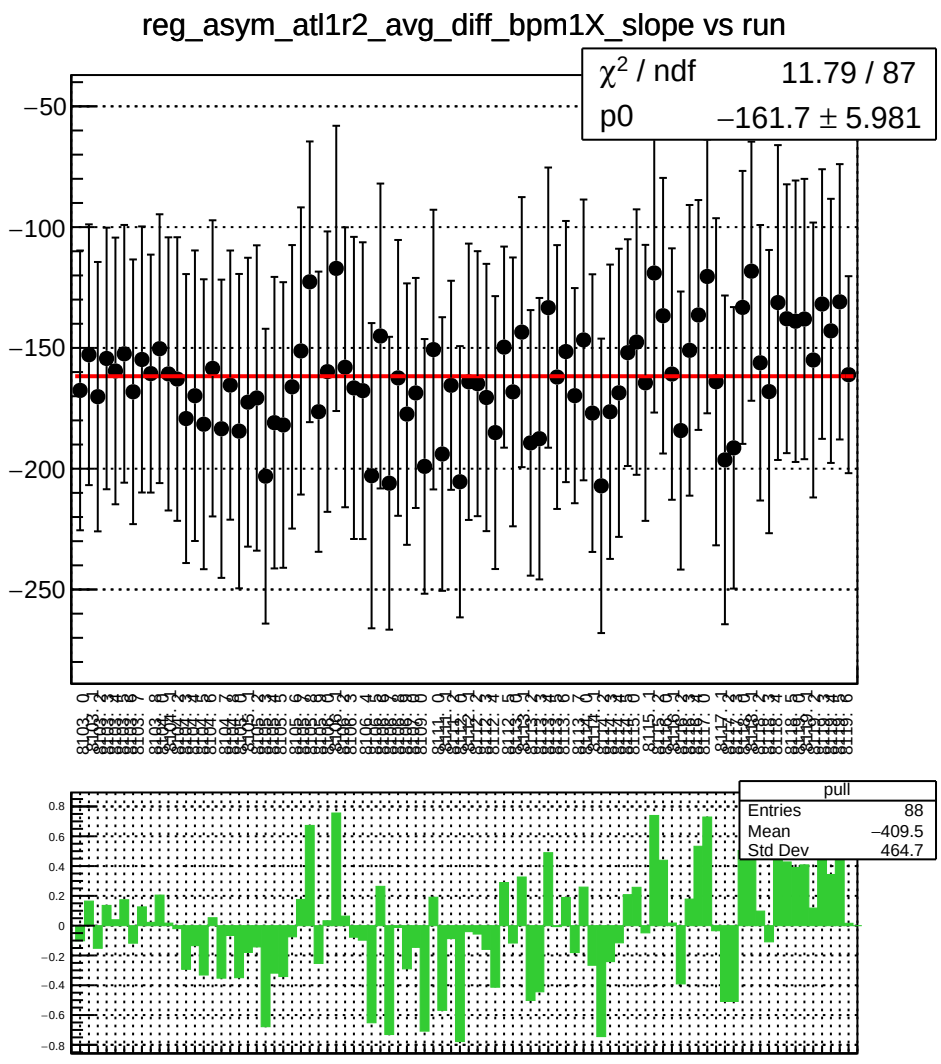

pull1D
Entries 88
Mean −0.0004553
Std Dev 0.553
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

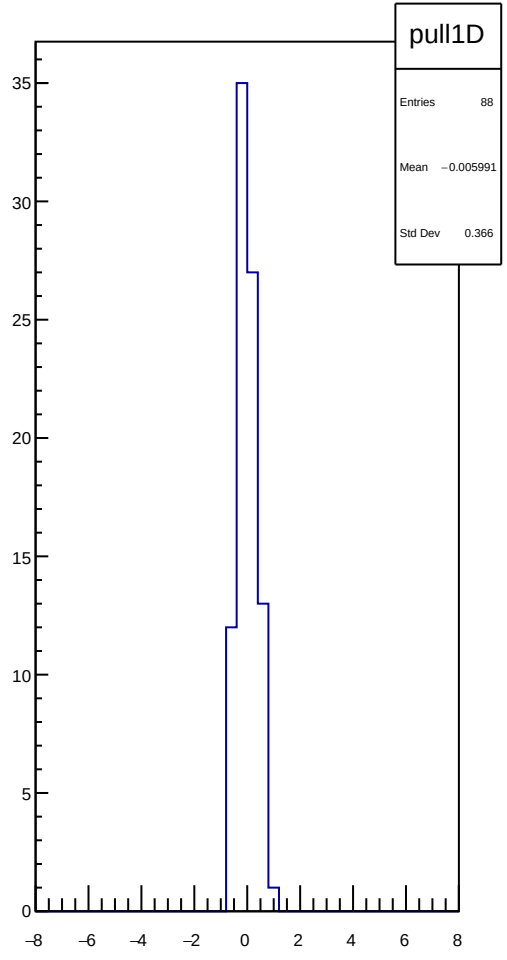

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.18 / 87
p0 105.9 ± 2.723
pull
Entries 88
Mean 122.8
Std Dev 77.97
pull1D
Entries 88
Mean 0.01634
Std Dev 0.513

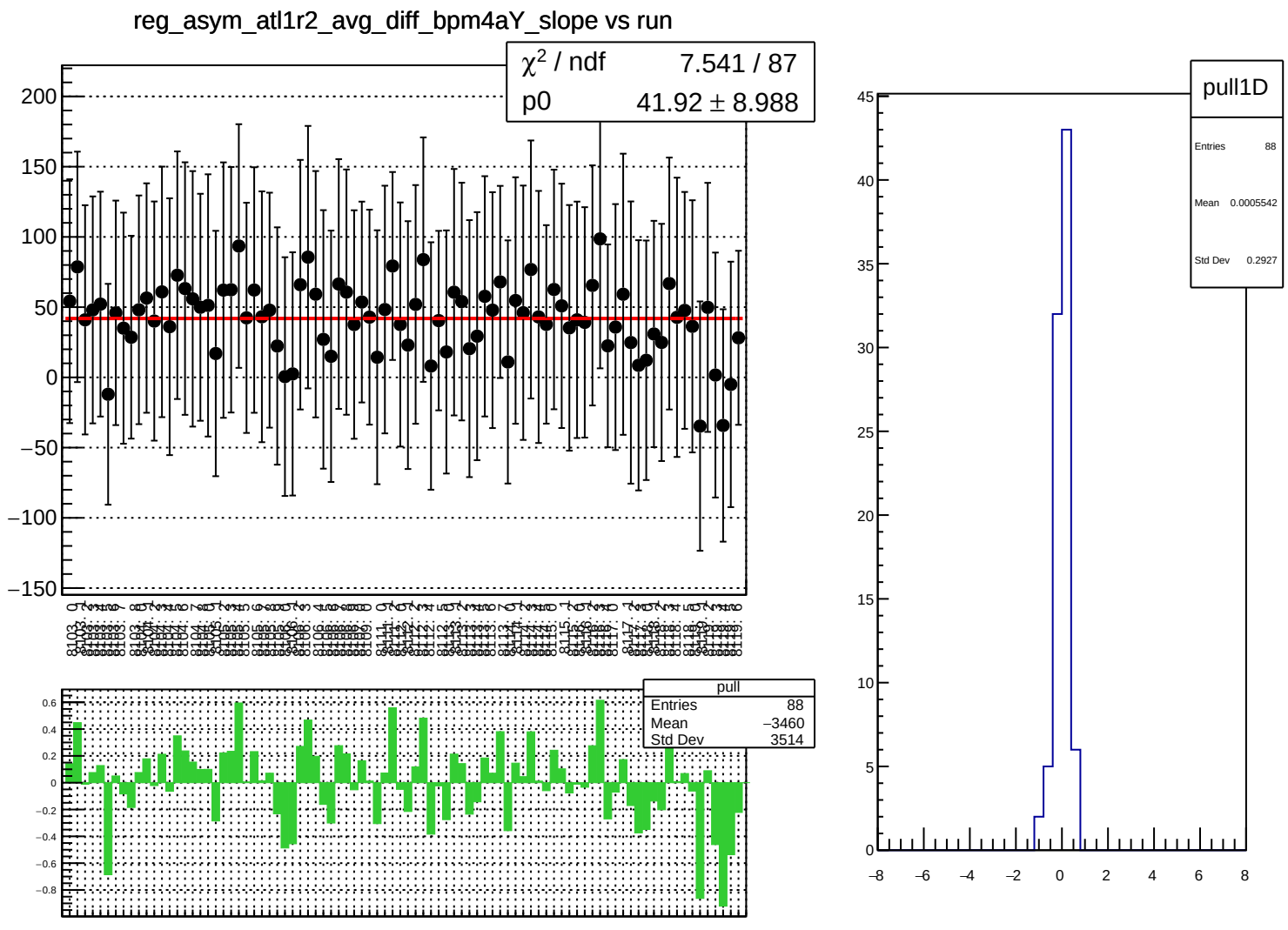

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.04 / 87
p0 −13.36 ± 4.596
200
100
0
−100
−200
pull
Entries 88
Mean 2757
Std Dev 2683
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 88
Mean 0.0005329
Std Dev 0.544
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

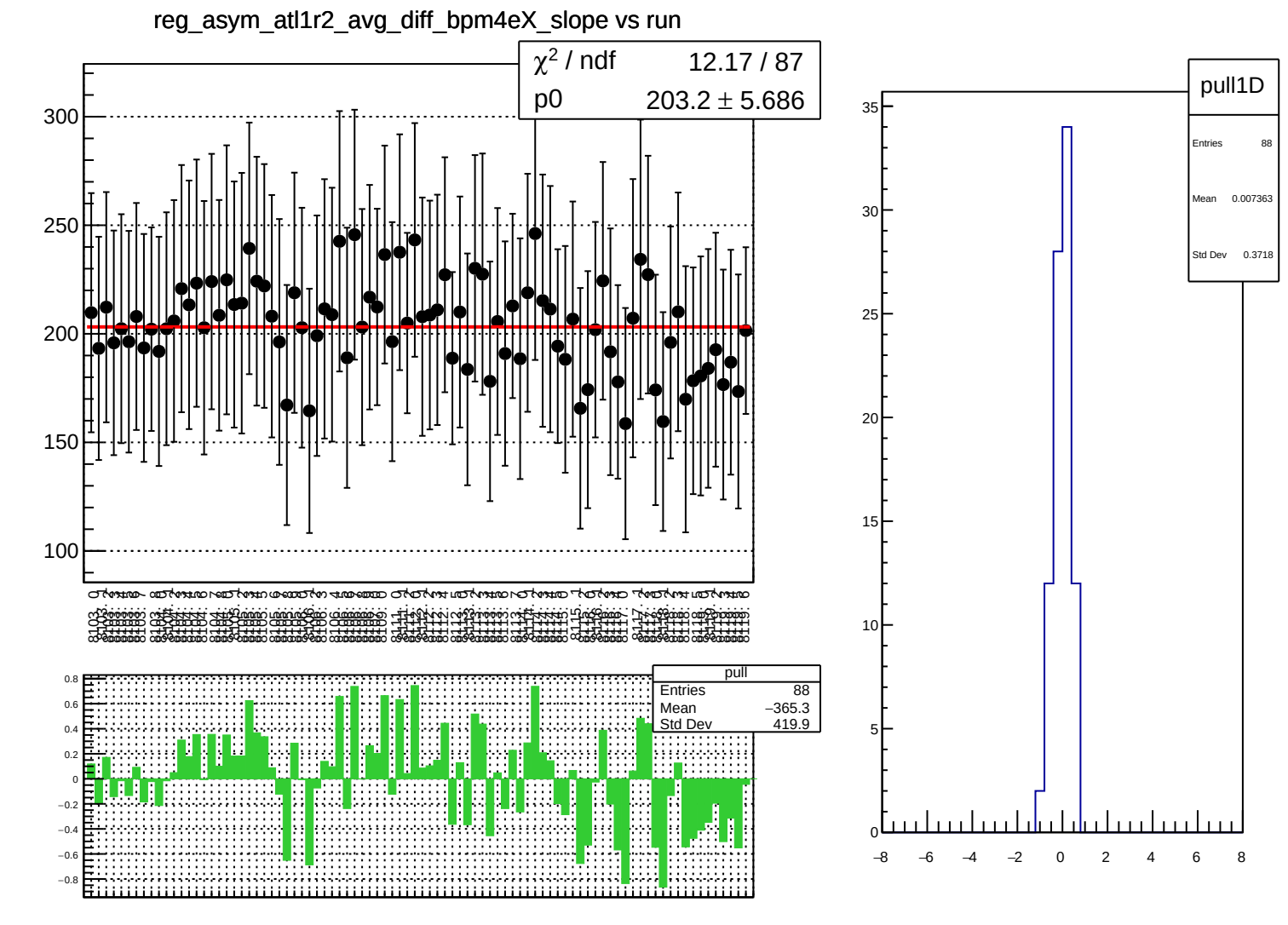

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.91 / 87
p0 −13.96 ± 0.1727
pull
Entries 88
Mean −245.8
Std Dev 301.3

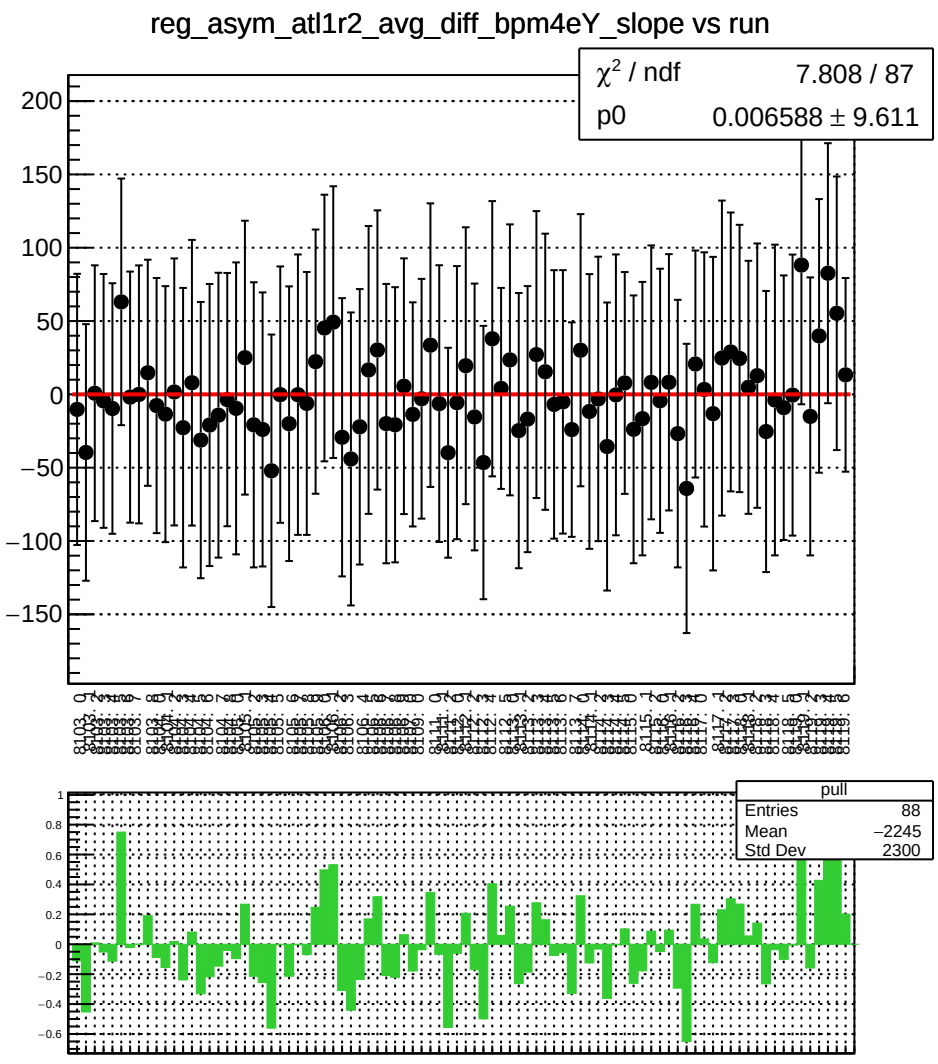

pull1D
Entries 88
Mean −0.01614
Std Dev 0.6296

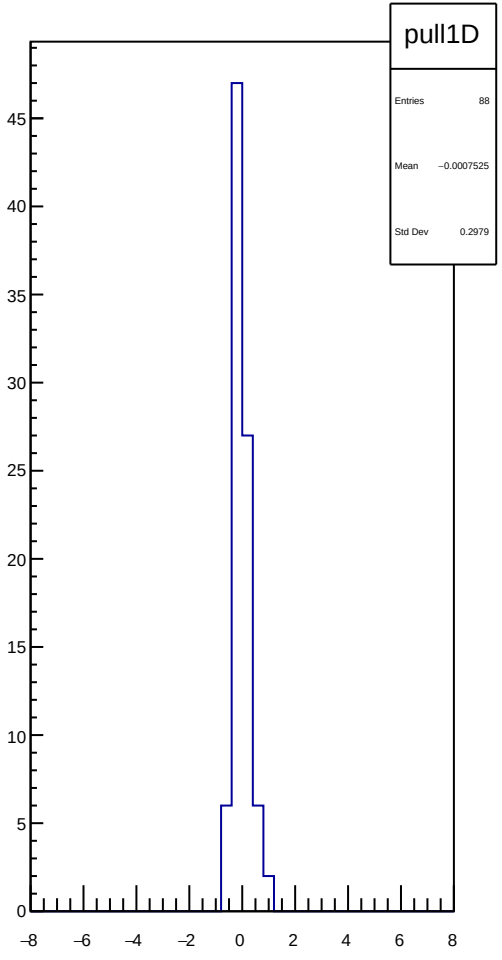

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 11.79 / 87
p0 −161.7 ± 5.981
−50
−100
−150
−200
−250
pull
Entries 88
Mean −409.5
Std Dev 464.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

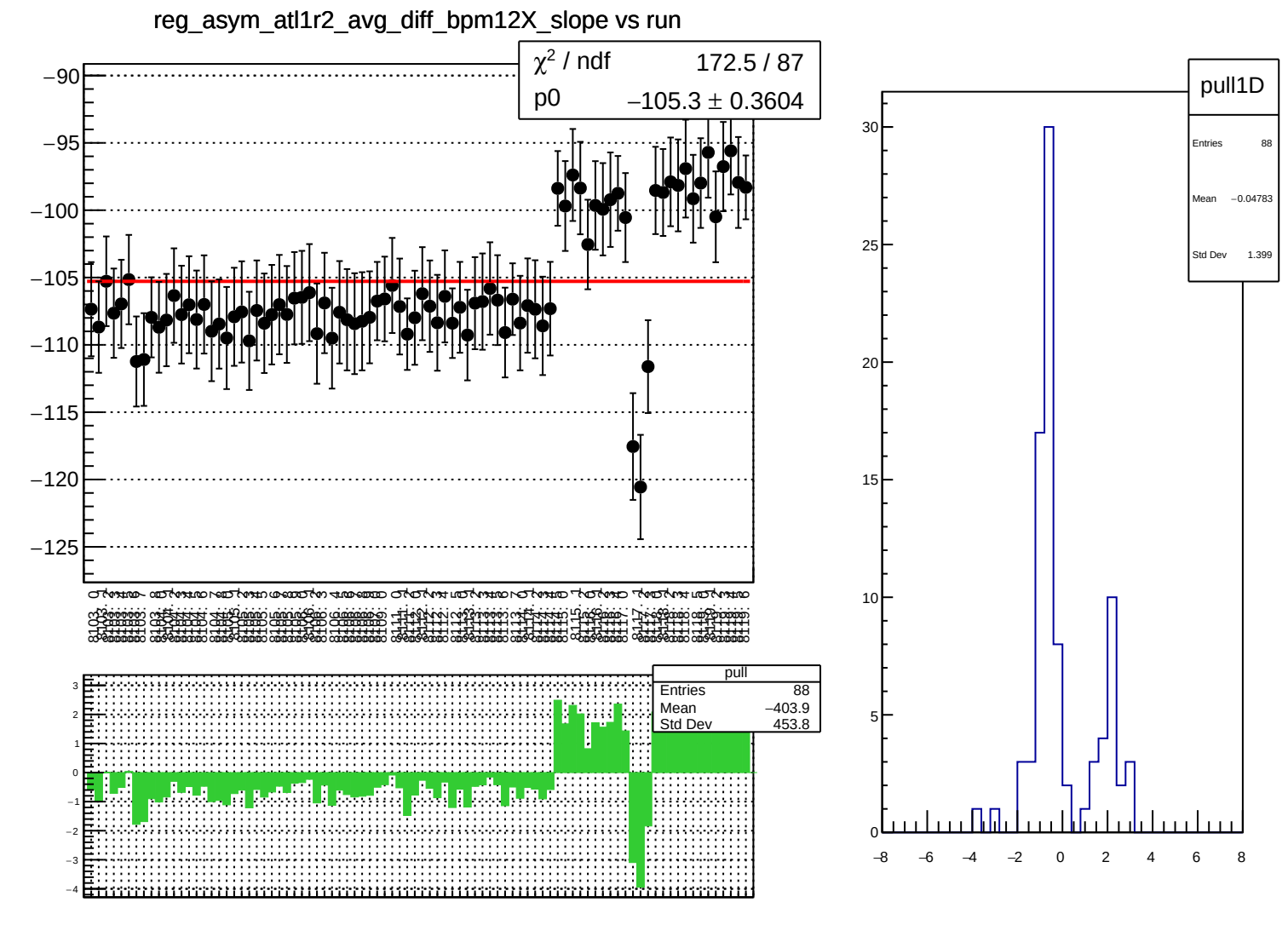

pull1D
Entries 88
Mean −0.005991
Std Dev 0.366
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

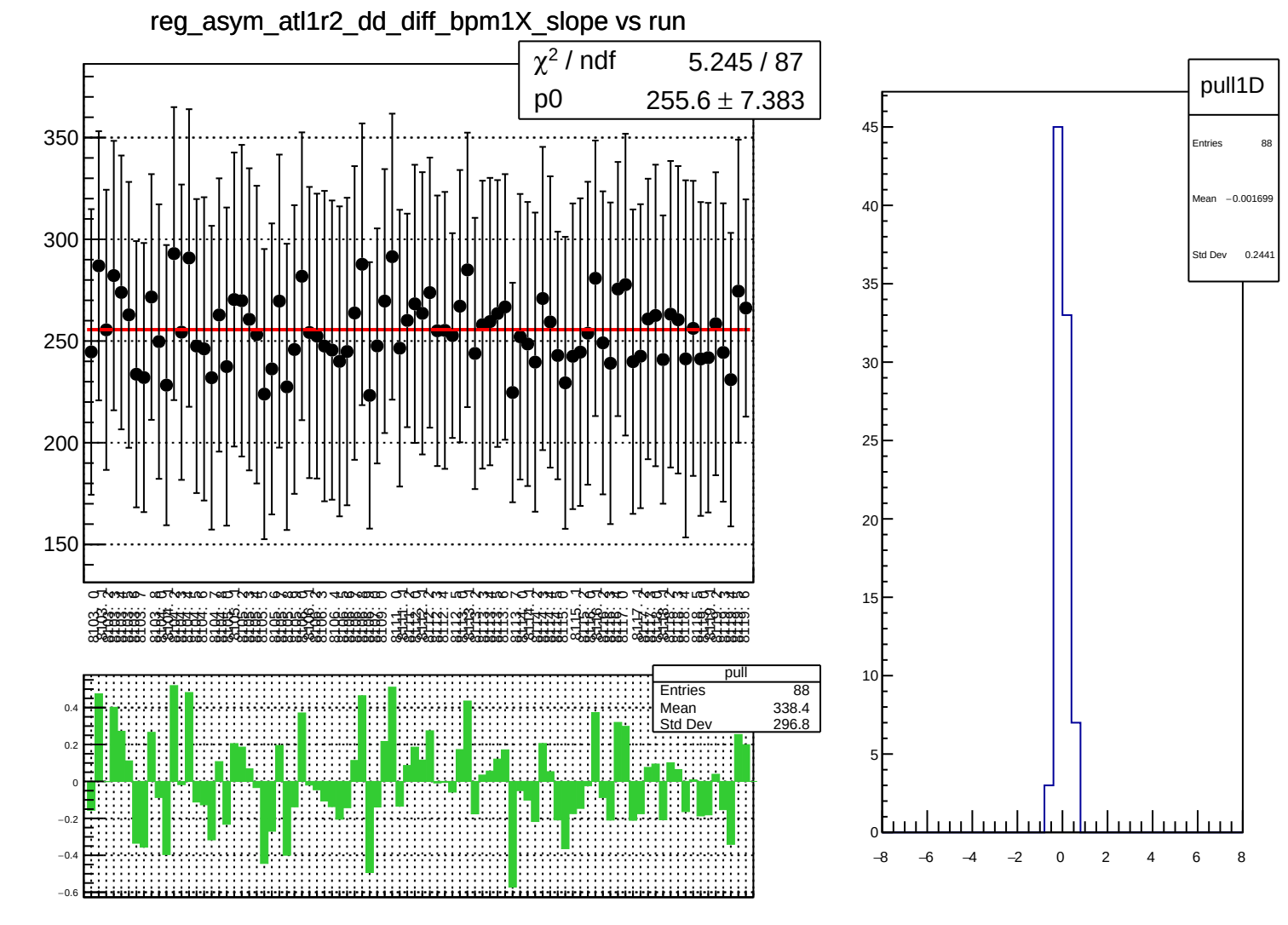

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.541 / 87
p0 41.92 ± 8.988
pull
Entries 88
Mean −3460
Std Dev 3514
pull1D
Entries 88
Mean 0.0005542
Std Dev 0.2927

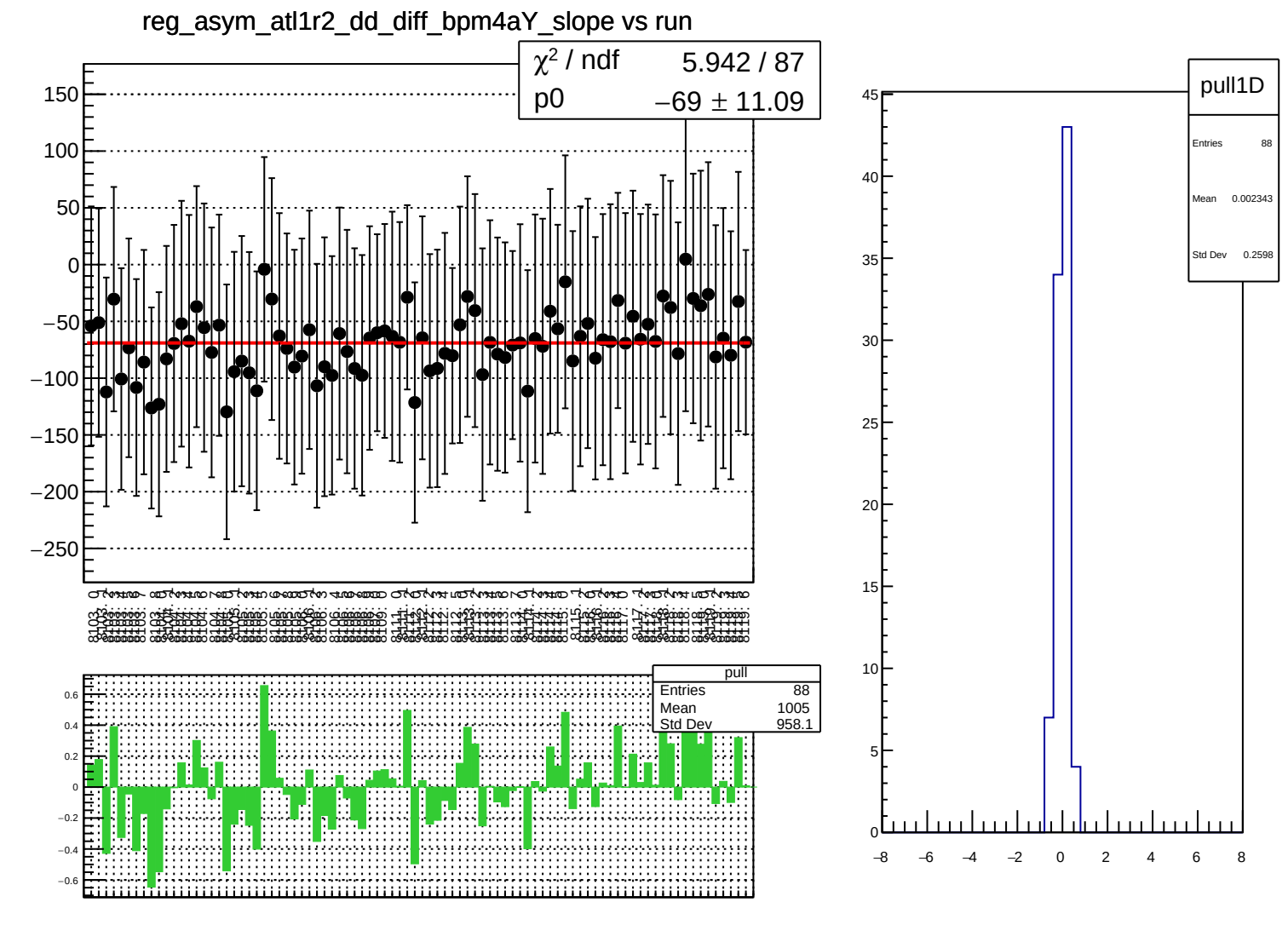

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.17 / 87
p0 203.2 ± 5.686
300
250
200
150
100
pull
Entries 88
Mean −365.3
Std Dev 419.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 88
Mean 0.007363
Std Dev 0.3718
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

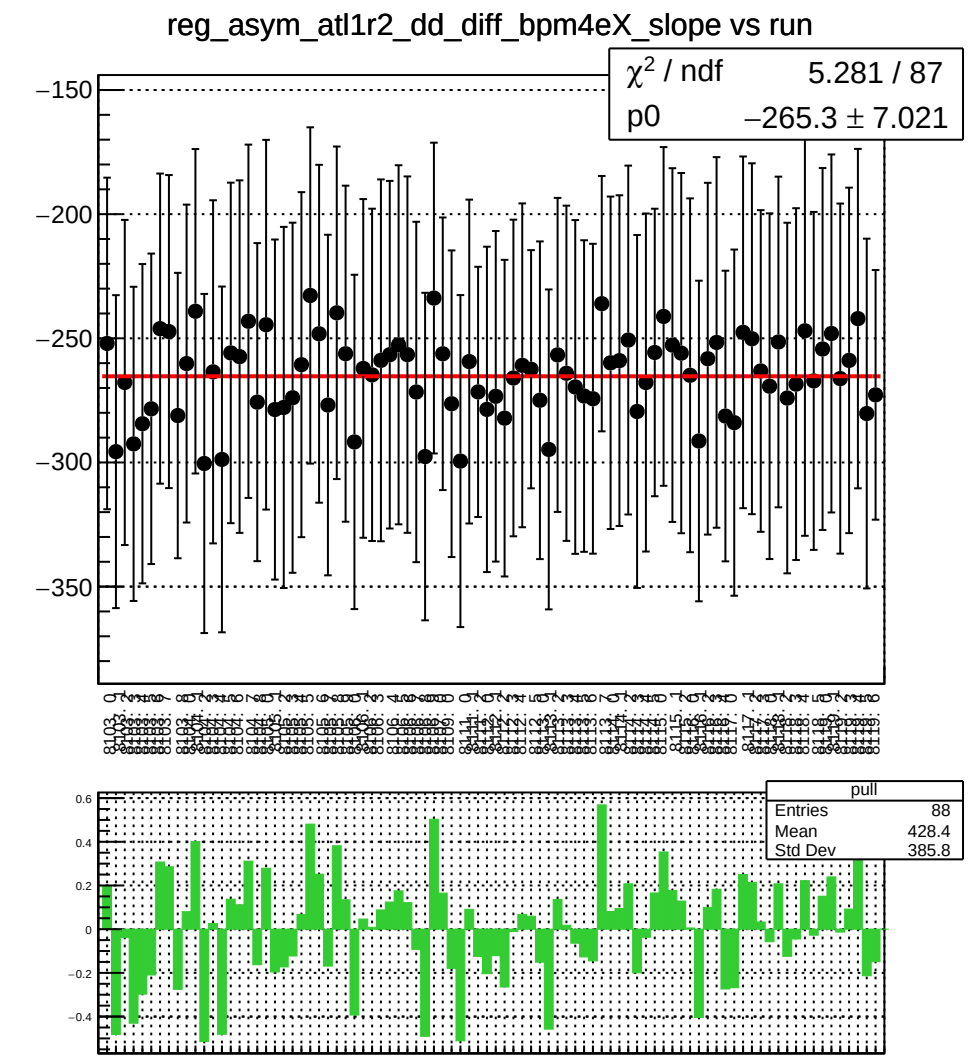

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.808 / 87
p0 0.006588 ± 9.611
pull
Entries 88
Mean −2245
Std Dev 2300

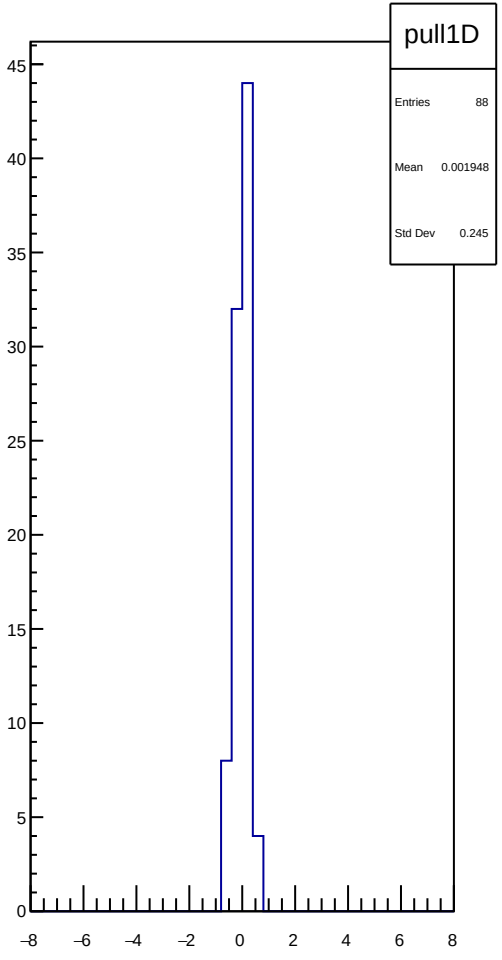

pull1D
Entries 88
Mean −0.0007525
Std Dev 0.2979

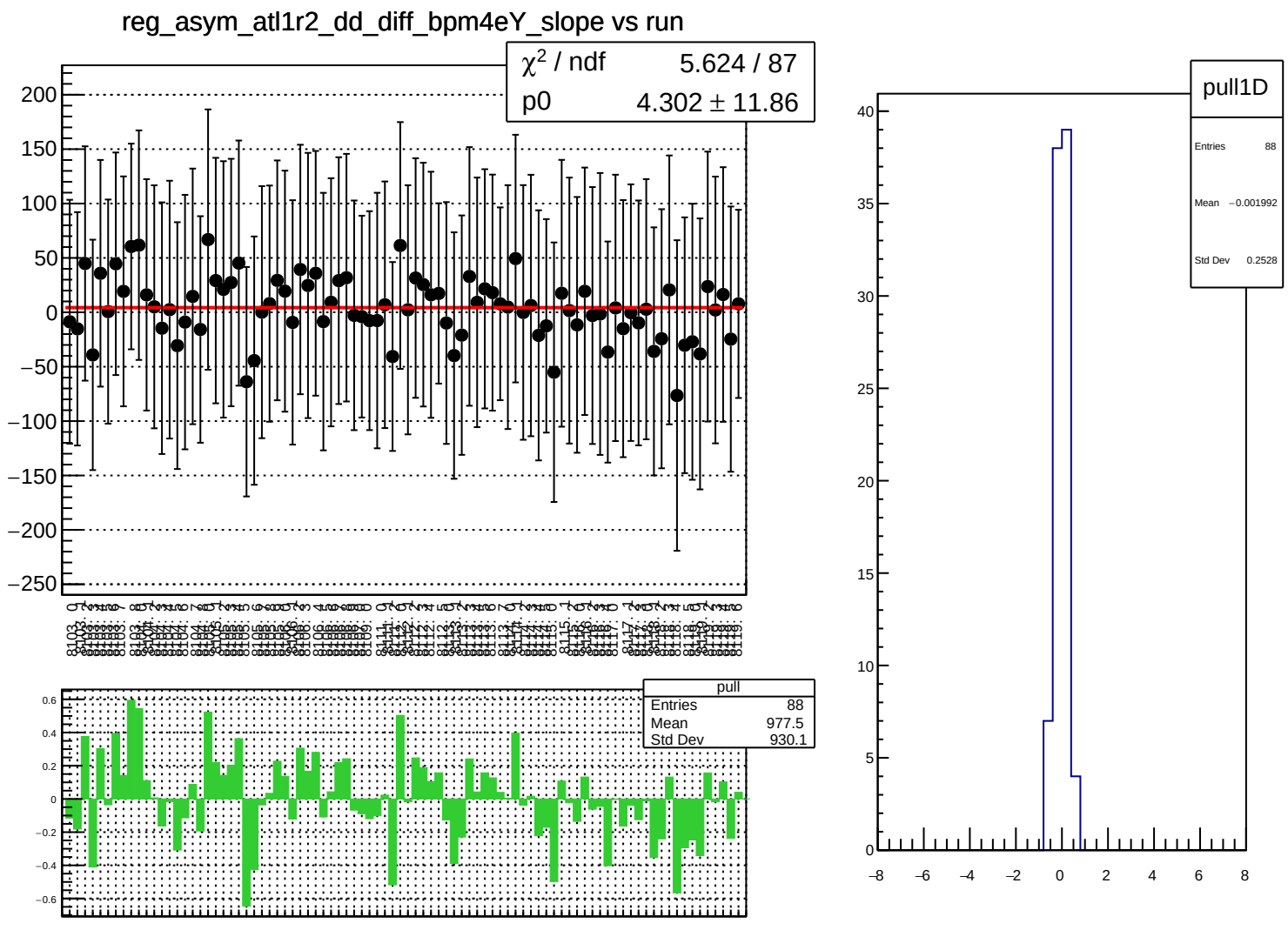

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 172.5 / 87
p0 −105.3 ± 0.3604
pull
Entries 88
Mean −403.9
Std Dev 453.8
pull1D
Entries 88
Mean −0.04783
Std Dev 1.399

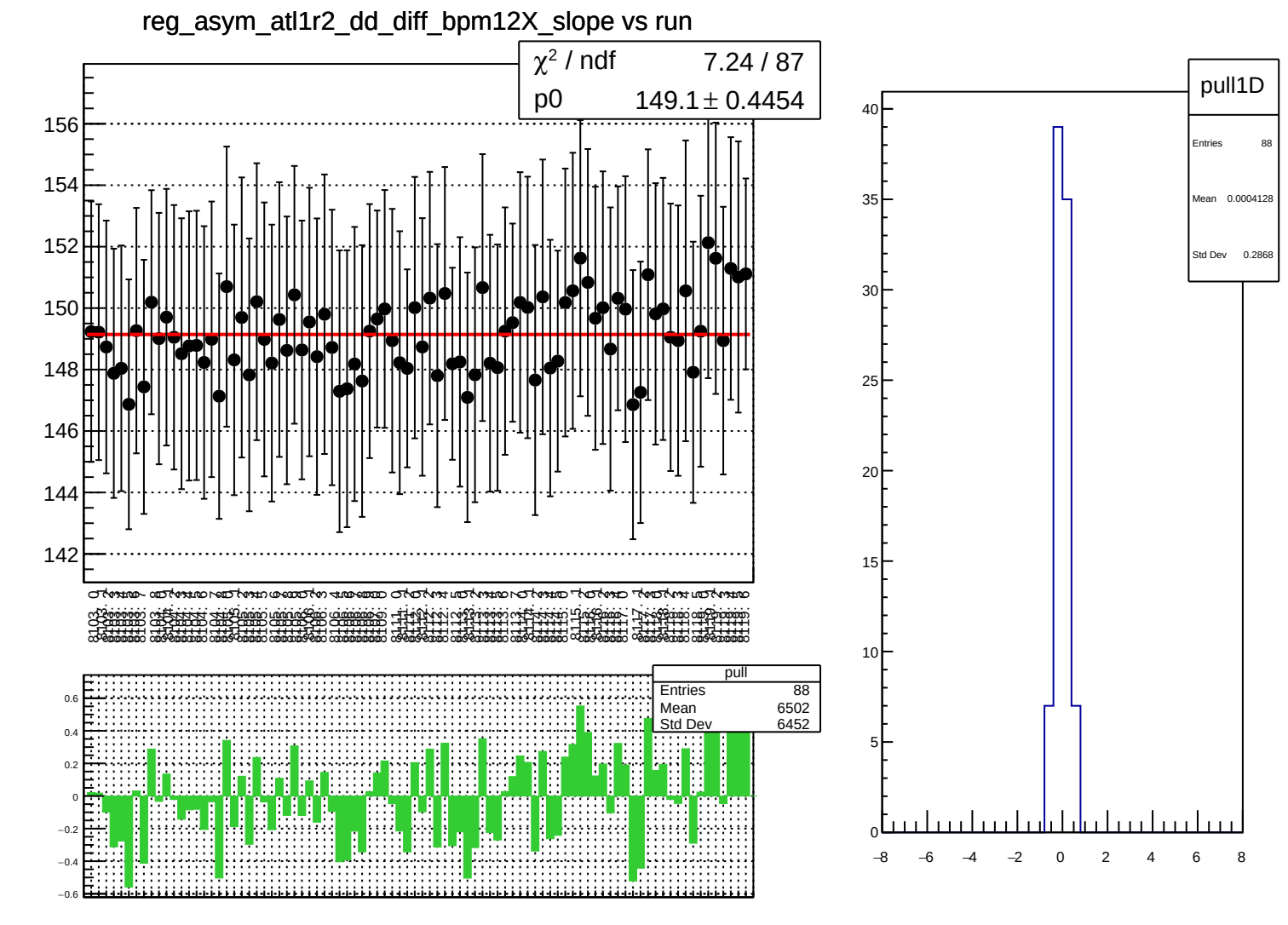

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 5.245 / 87
p0 255.6 ± 7.383
350
300
250
200
150
pull
Entries 88
Mean 338.4
Std Dev 296.8
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 88
Mean −0.001699
Std Dev 0.2441
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

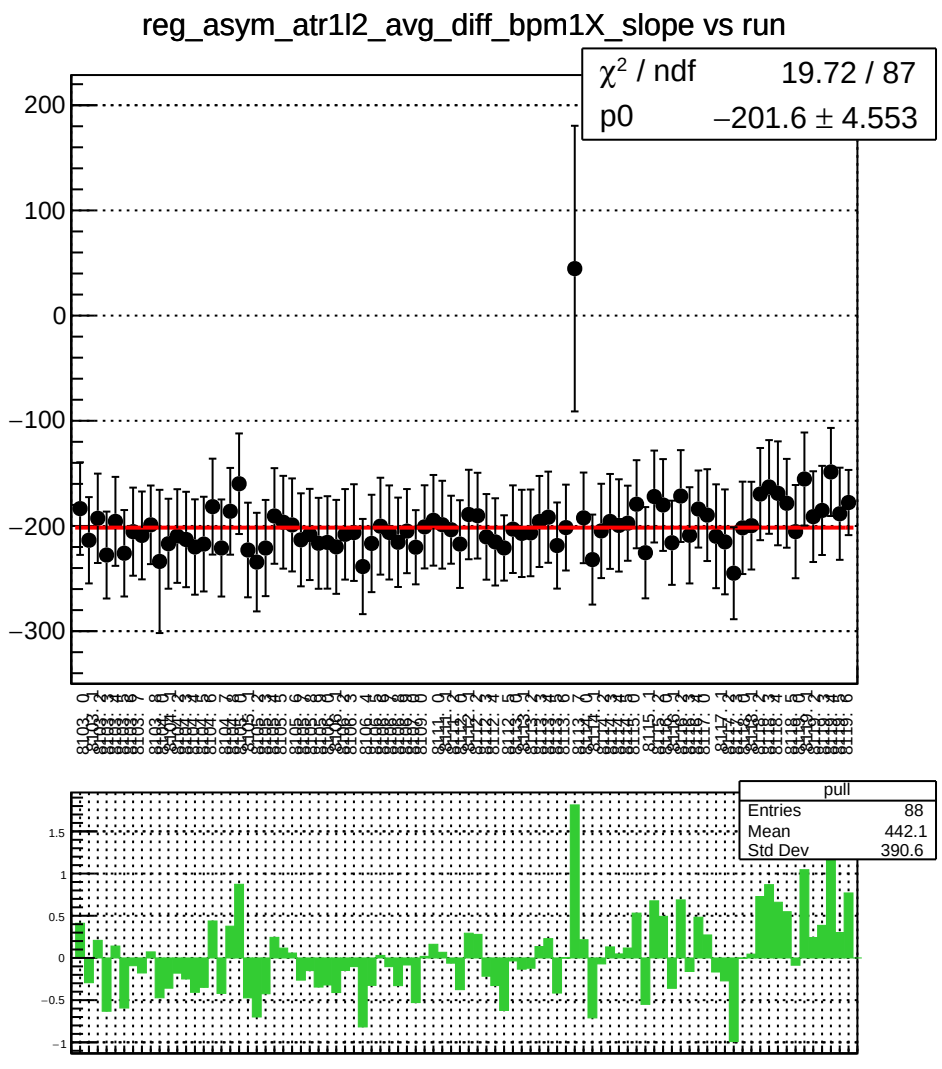

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.942 / 87
p0 −69 ± 11.09
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 88
Mean 1005
Std Dev 958.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 88
Mean 0.002343
Std Dev 0.2598
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

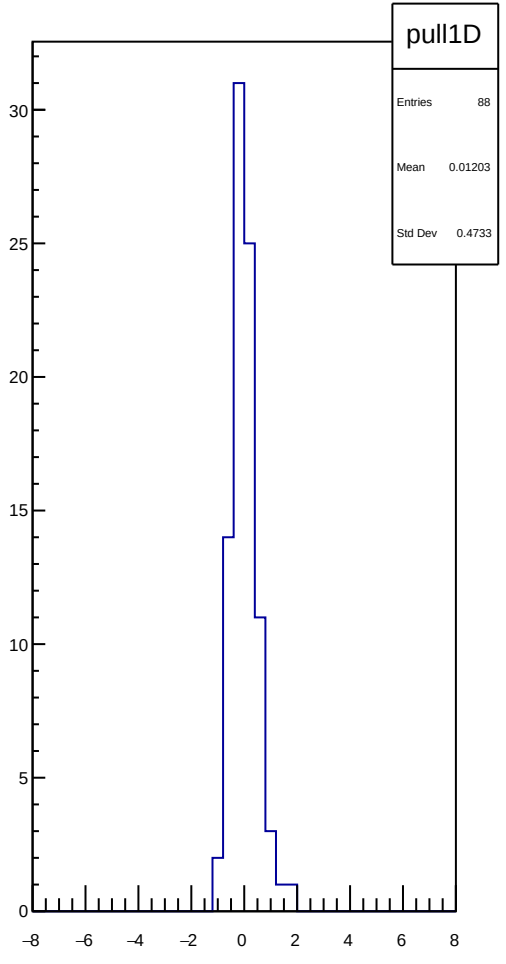

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.281 / 87
p0 −265.3 ± 7.021
pull
Entries 88
Mean 428.4
Std Dev 385.8

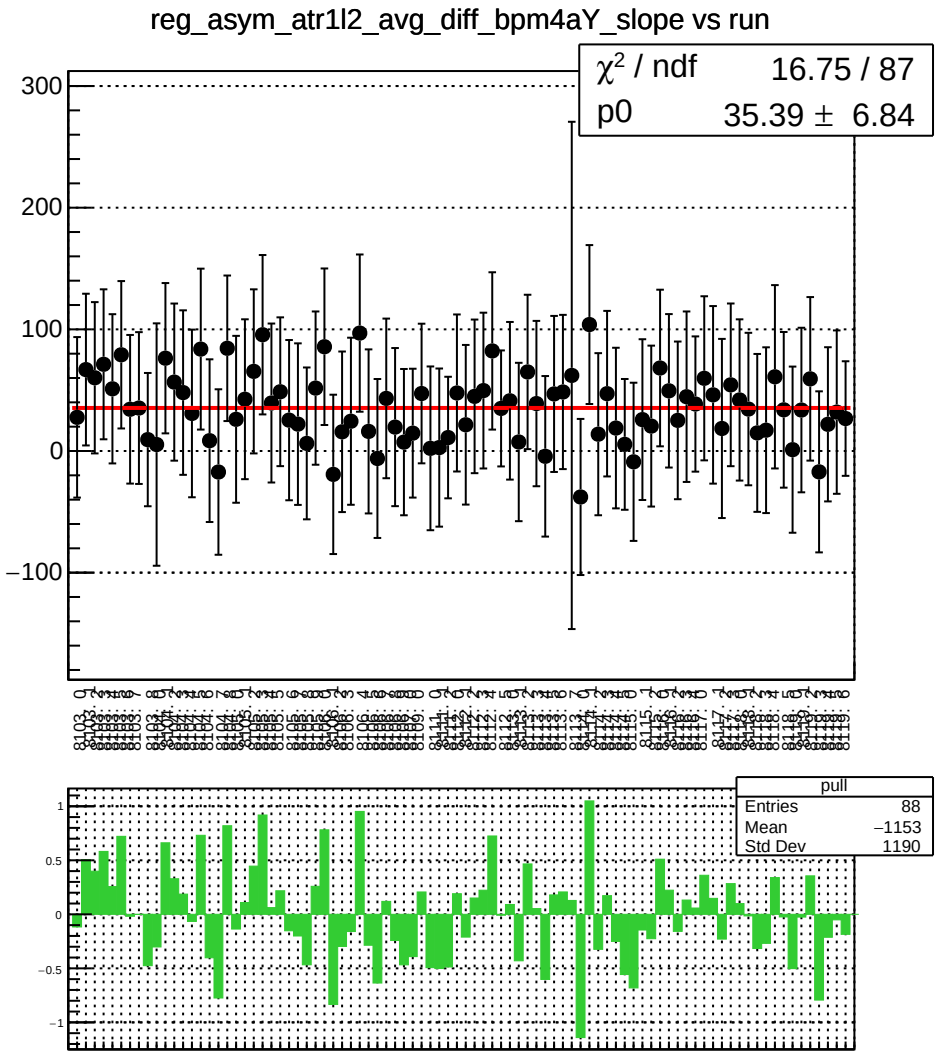

pull1D
Entries 88
Mean 0.001948
Std Dev 0.245

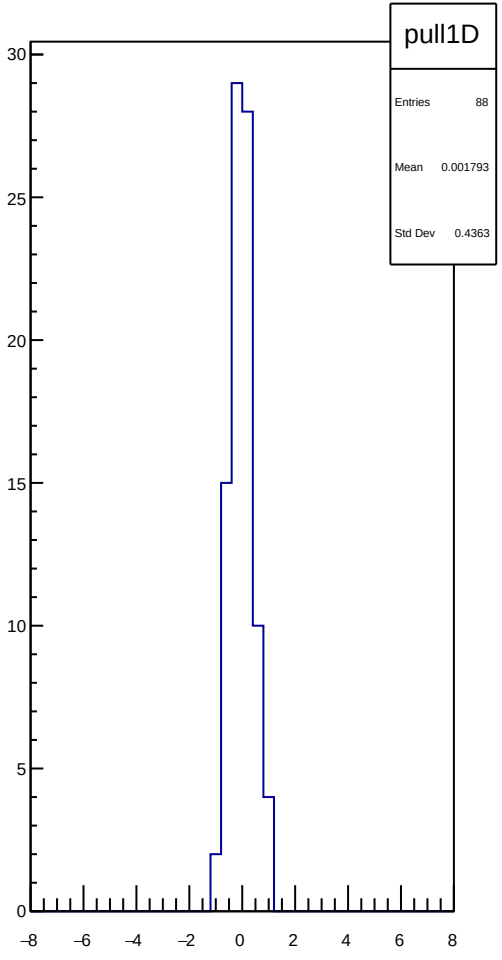

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.624 / 87
p0 4.302 ± 11.86
pull
Entries 88
Mean 977.5
Std Dev 930.1
pull1D
Entries 88
Mean −0.001992
Std Dev 0.2528

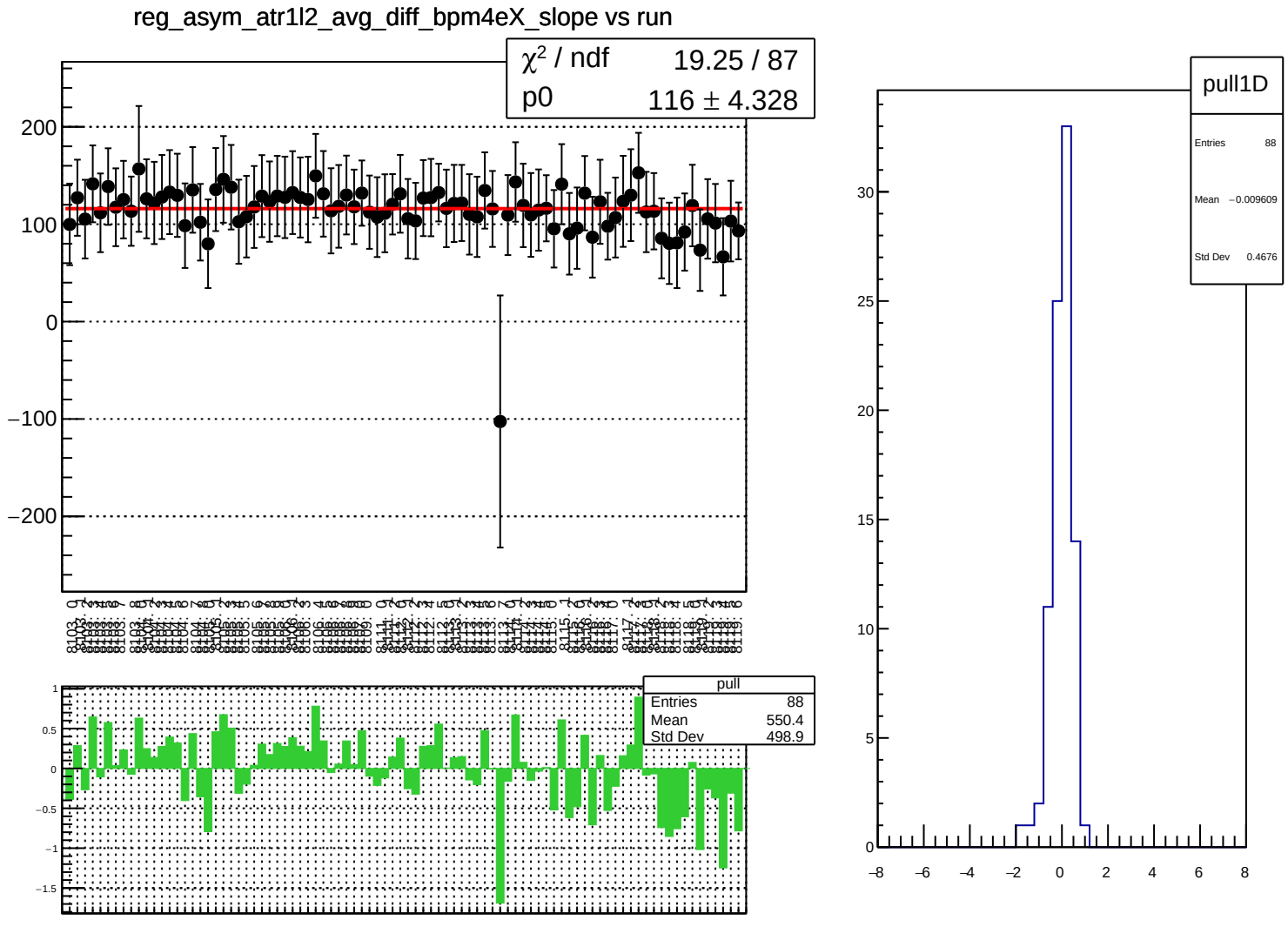

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 7.24 / 87
p0 149.1 ± 0.4454
156
154
152
150
148
146
144
142
pull
Entries 88
Mean 6502
Std Dev 6452
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 88
Mean 0.0004128
Std Dev 0.2868
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

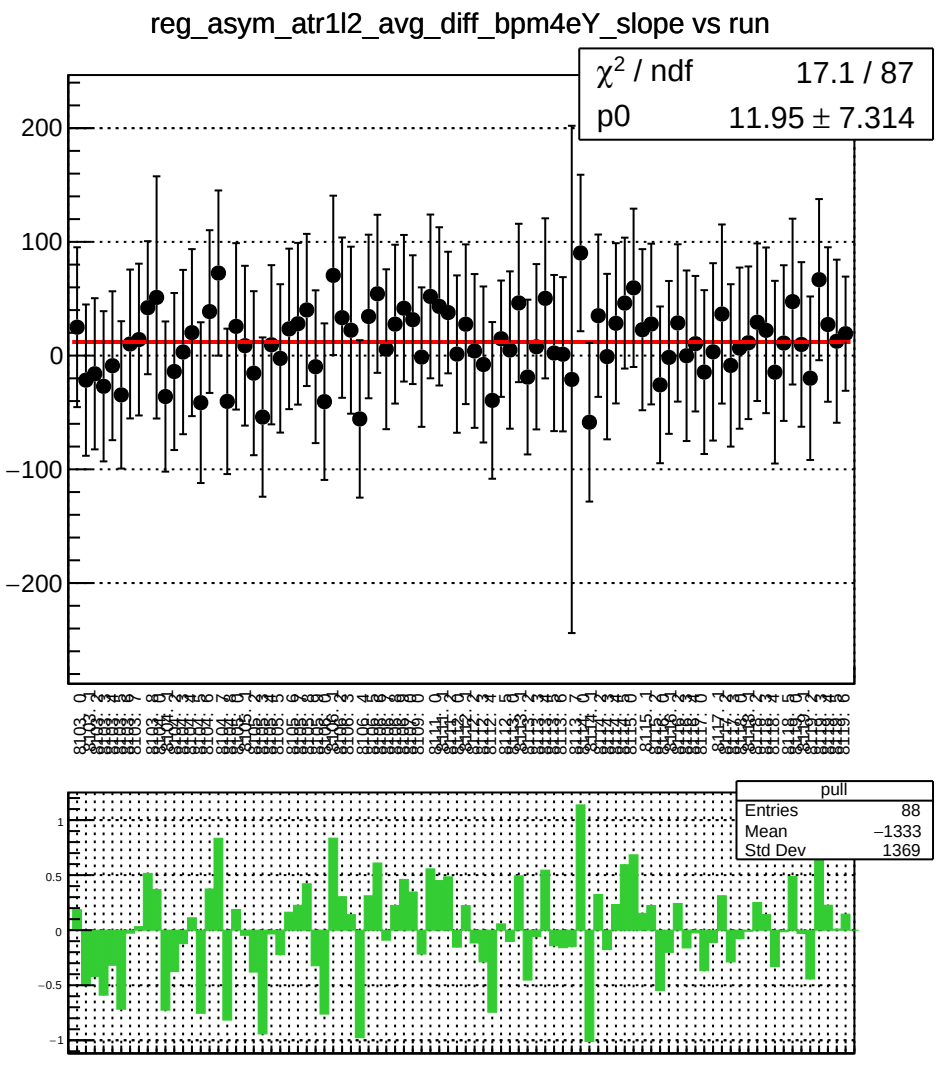

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 19.72 / 87
p0 −201.6 ± 4.553
200
100
0
−100
−200
−300
pull
Entries 88
Mean 442.1
Std Dev 390.6
1.5
1
0.5
0
−0.5
−1

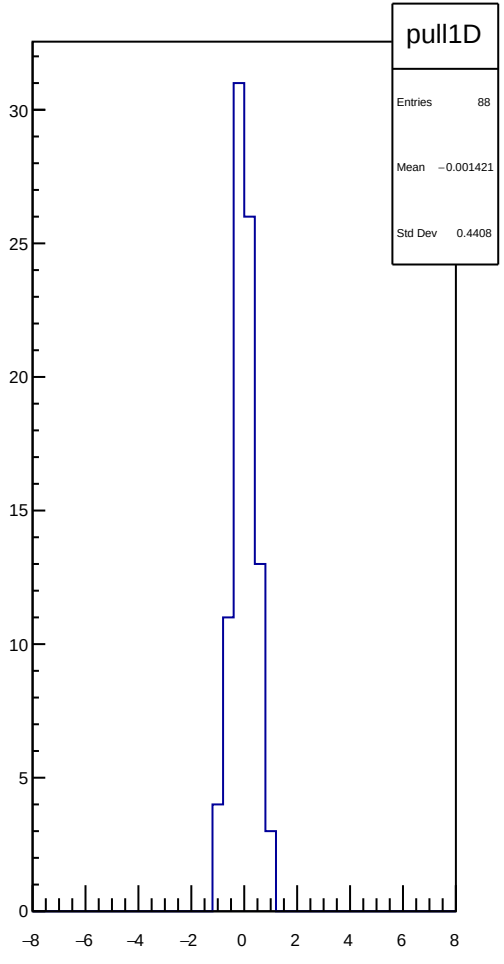

pull1D
Entries 88
Mean 0.01203
Std Dev 0.4733
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

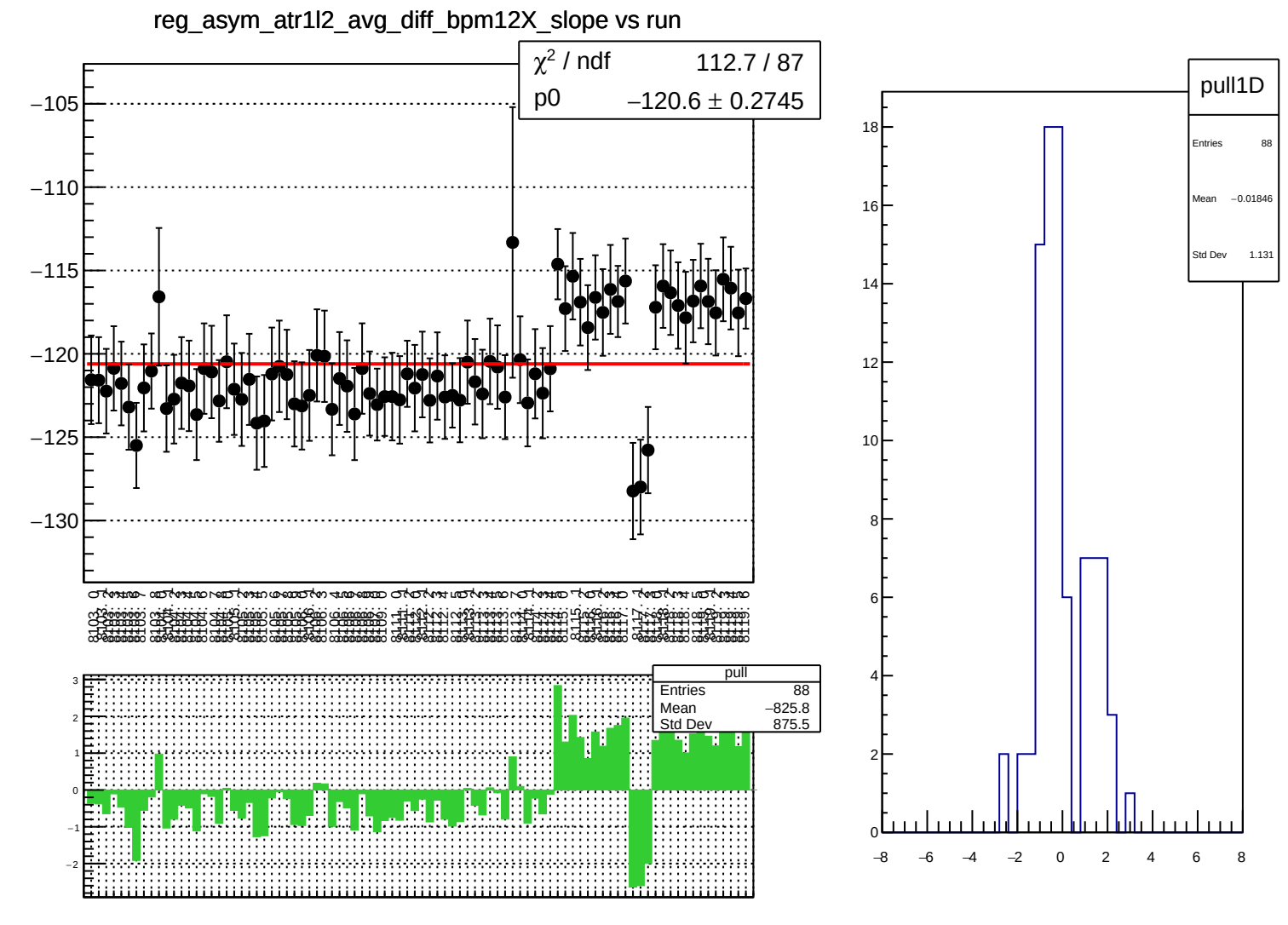

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 87
p0 35.39 ± 6.84
300
200
100
0
−100
pull
Entries 88
Mean −1153
Std Dev 1190
1
0.5
0
−0.5
−1

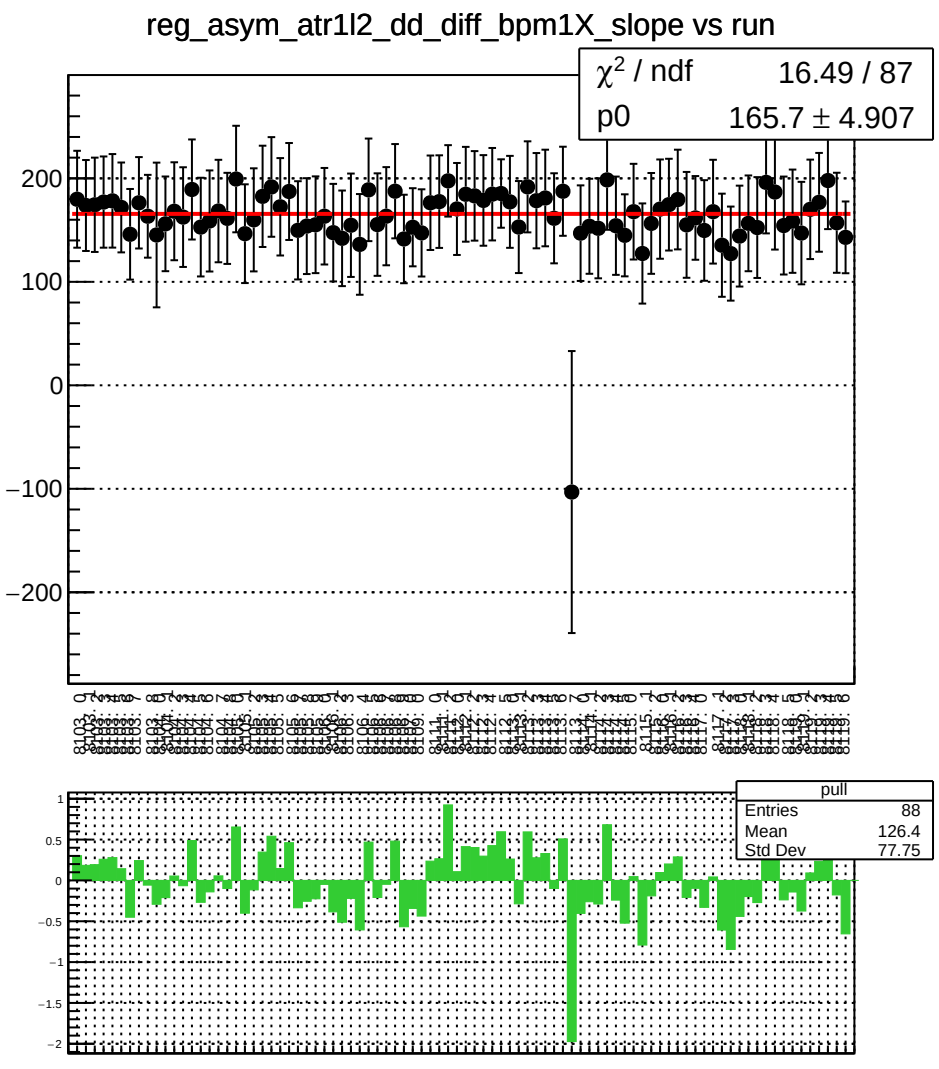

pull1D
Entries 88
Mean 0.001793
Std Dev 0.4363
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

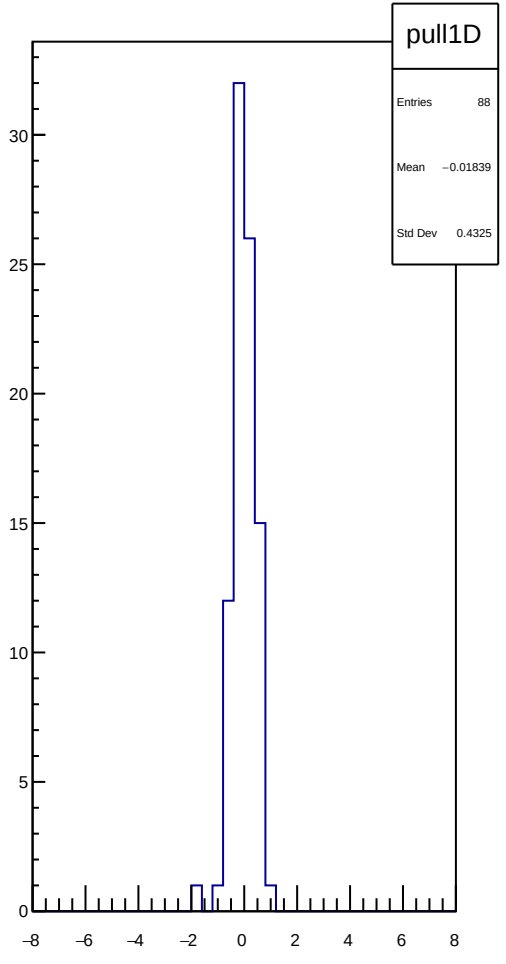

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.25 / 87
p0 116 ± 4.328
200
100
0
−100
−200
pull
Entries 88
Mean 550.4
Std Dev 498.9
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.009609
Std Dev 0.4676
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

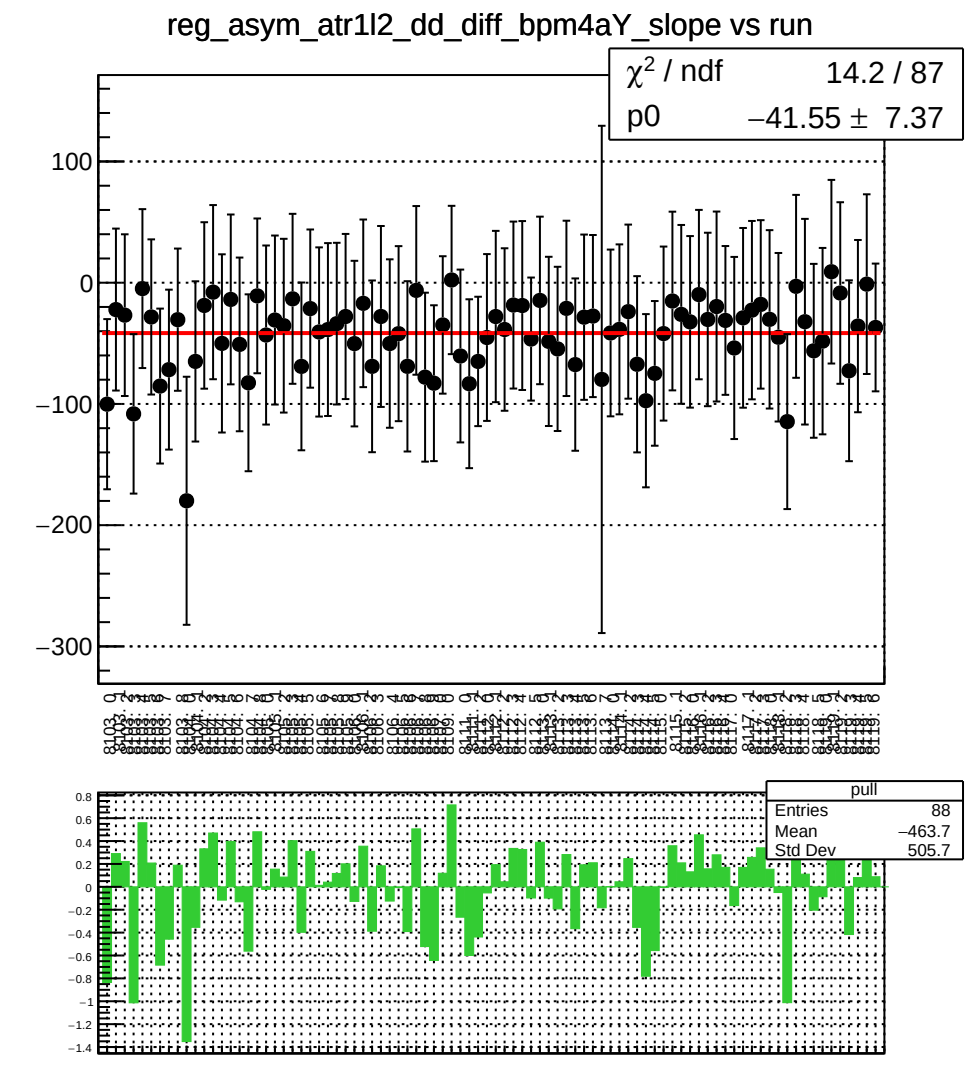

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.1 / 87
p0 11.95 ± 7.314
200
100
0
−100
−200
pull
Entries 88
Mean −1333
Std Dev 1369
1
0.5
0
−0.5
−1

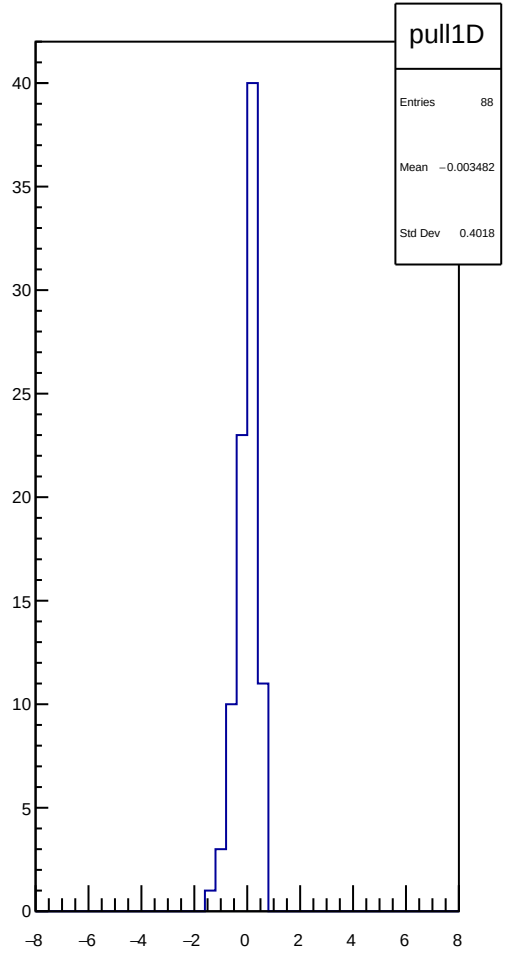

pull1D
Entries 88
Mean −0.001421
Std Dev 0.4408
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

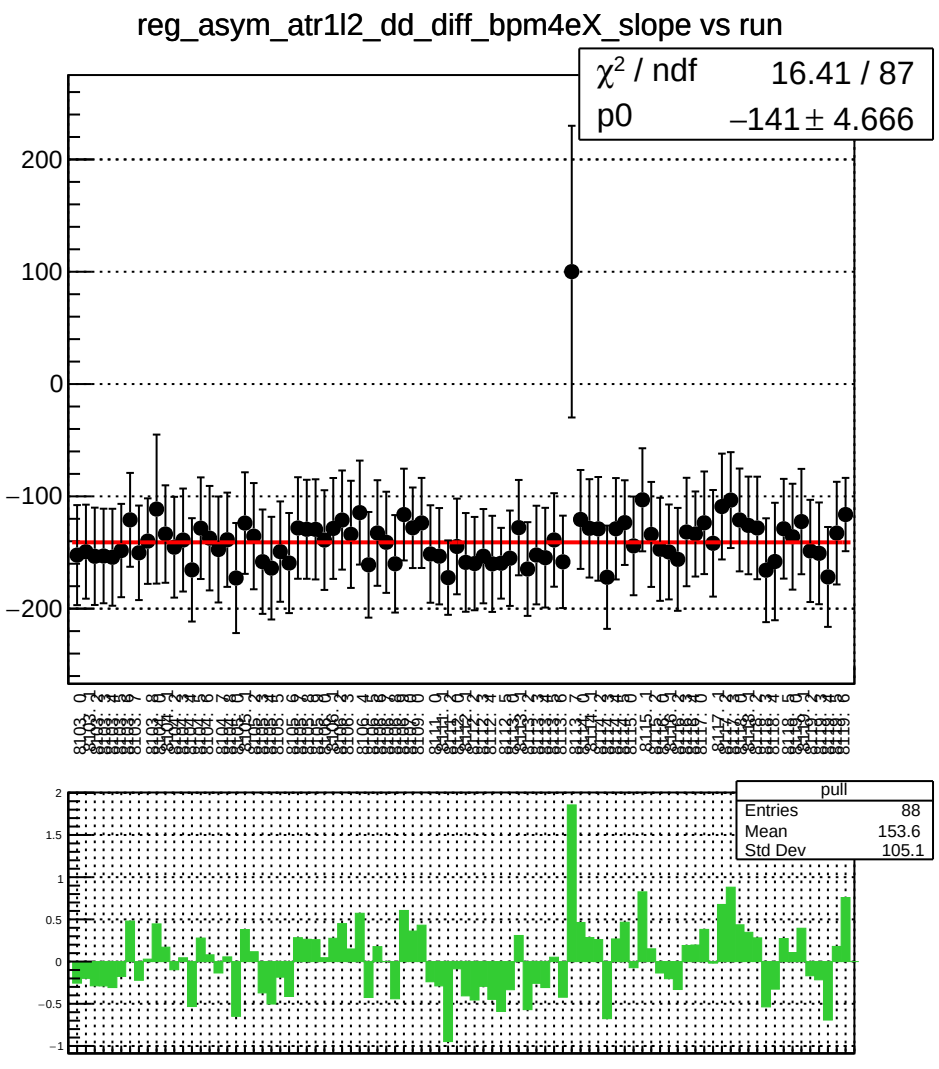

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 112.7 / 87
p0 −120.6 ± 0.2745
−105
−110
−115
−120
−125
−130
pull
Entries 88
Mean −825.8
Std Dev 875.5
3
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.01846
Std Dev 1.131
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

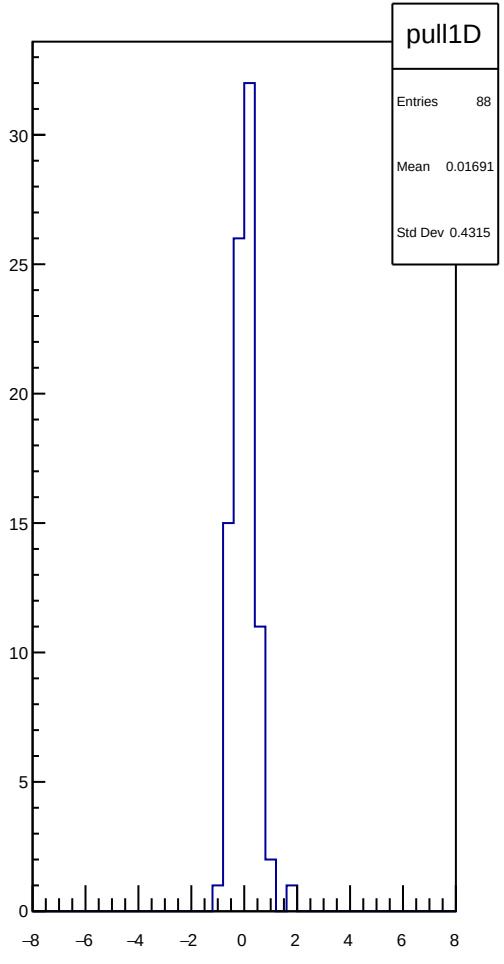

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 16.49 / 87
p0 165.7 ± 4.907
200
100
0
−100
−200
pull
Entries 88
Mean 126.4
Std Dev 77.75
1
0.5
0
−0.5
−1
−1.5
−2

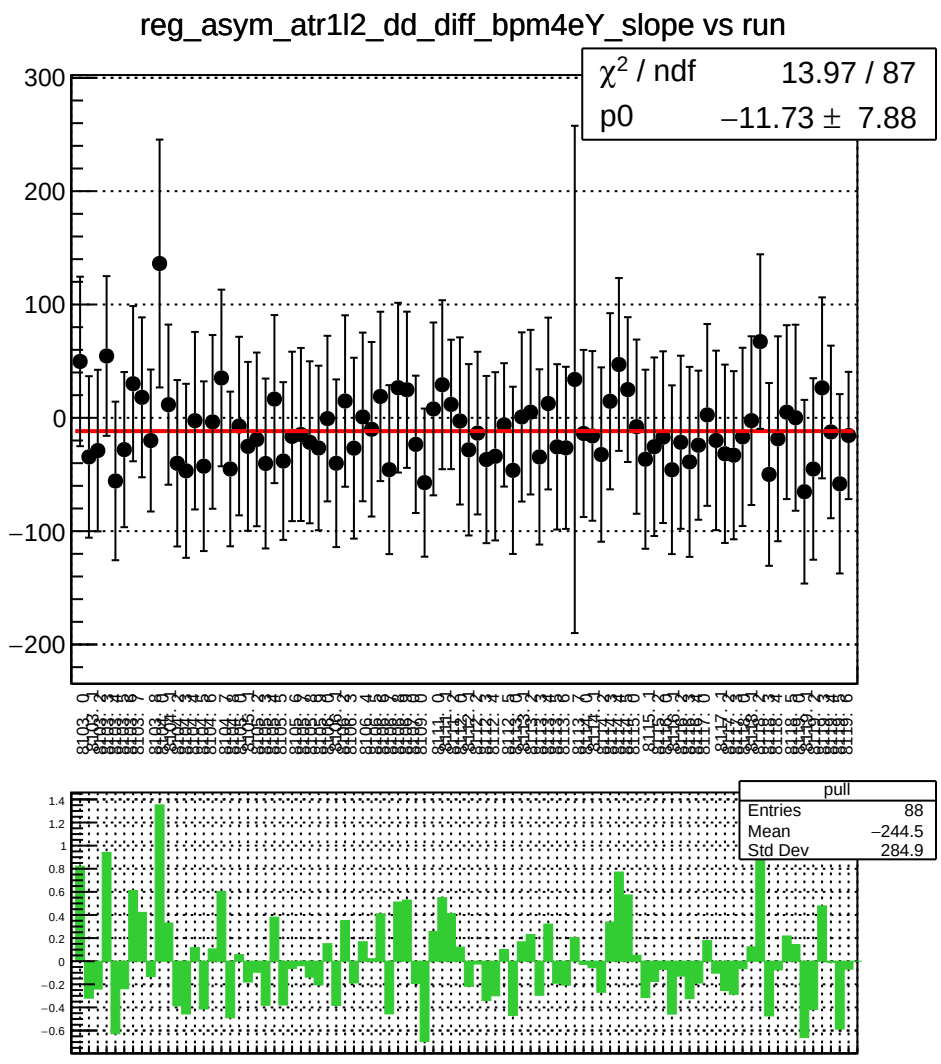

pull1D
Entries 88
Mean −0.01839
Std Dev 0.4325
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

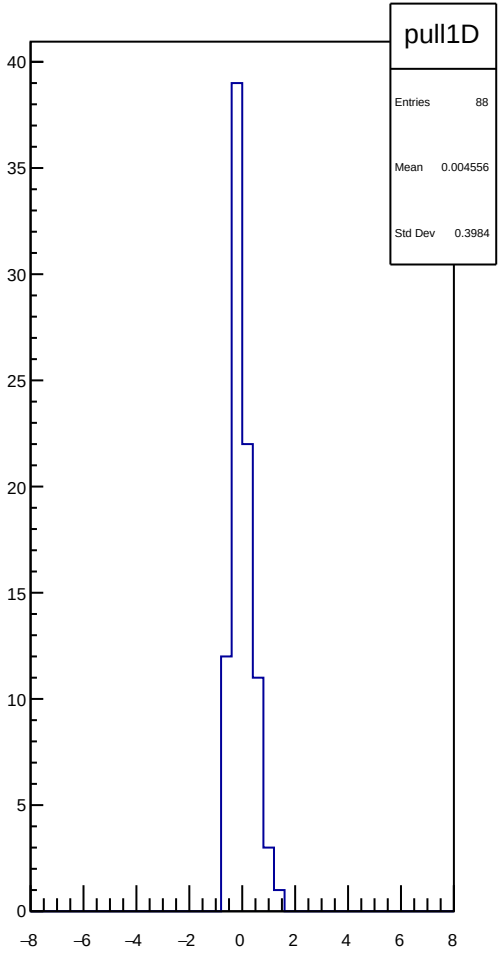

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.2 / 87
p0 −41.55 ± 7.37
100
0
−100
−200
−300
pull
Entries 88
Mean −463.7
Std Dev 505.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

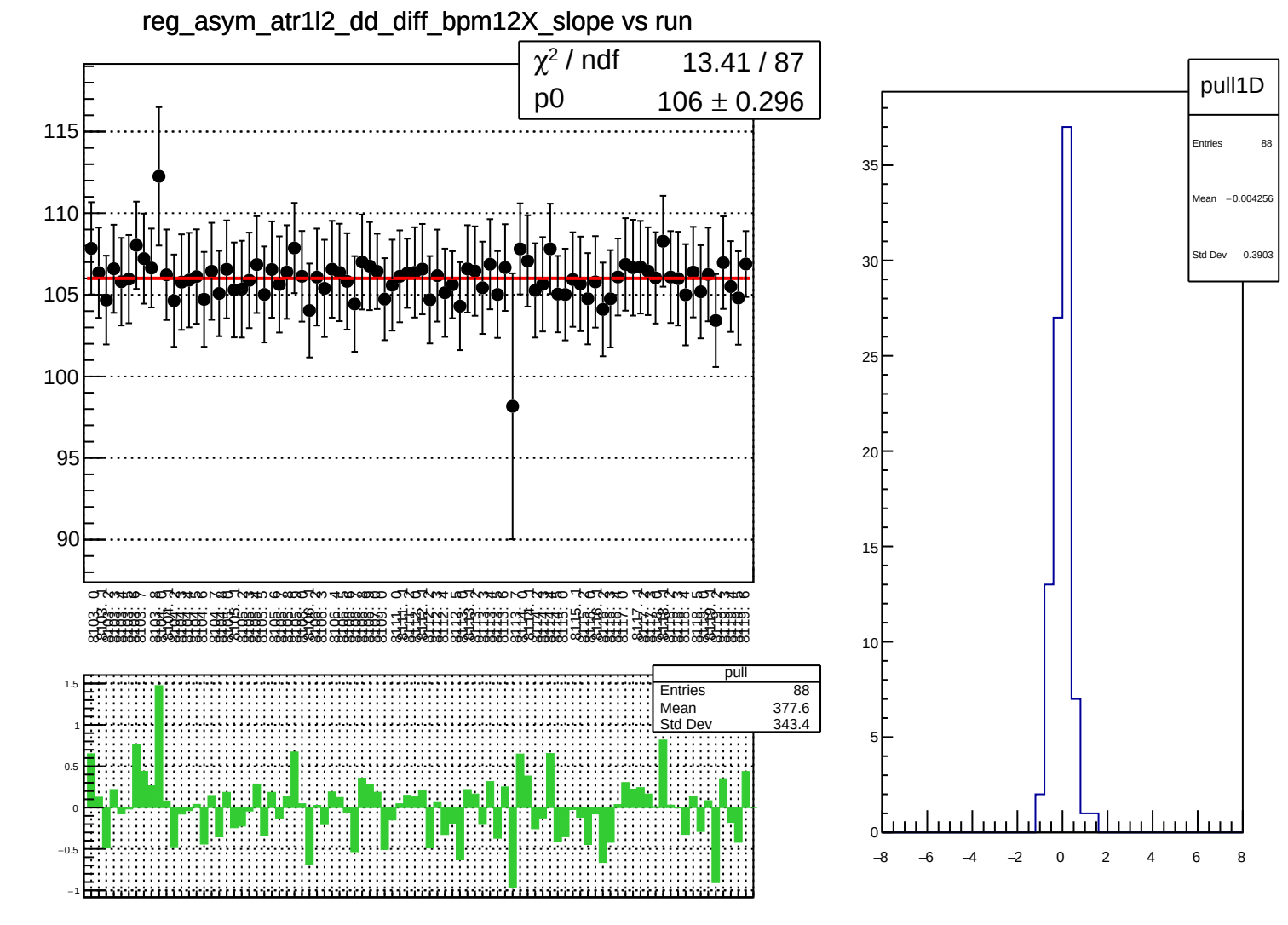

pull1D
Entries 88
Mean −0.003482
Std Dev 0.4018
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

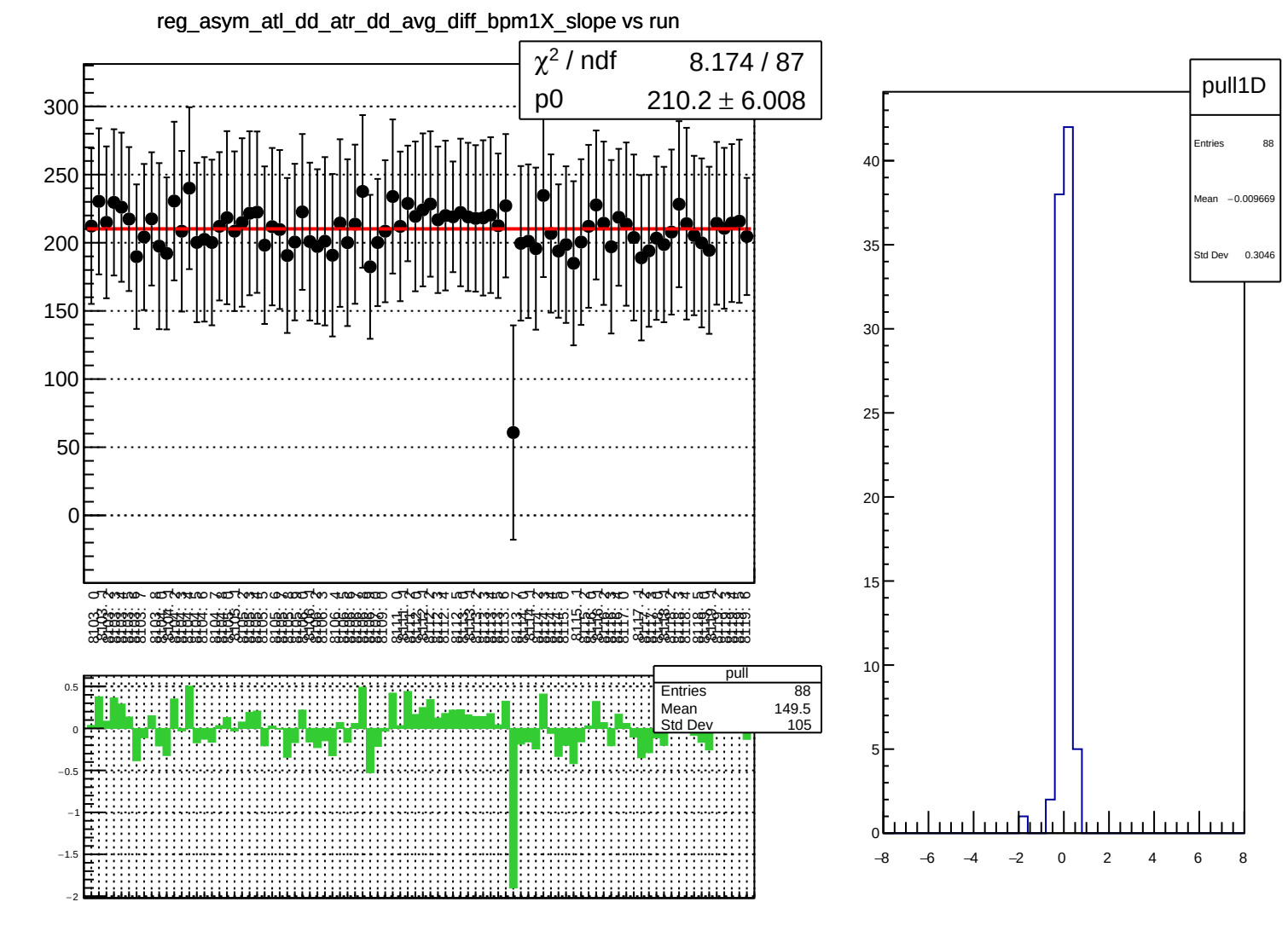

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.41 / 87
p0 −141 ± 4.666
200
100
0
−100
−200
pull
Entries 88
Mean 153.6
Std Dev 105.1
2
1.5
1
0.5
0
−0.5
−1

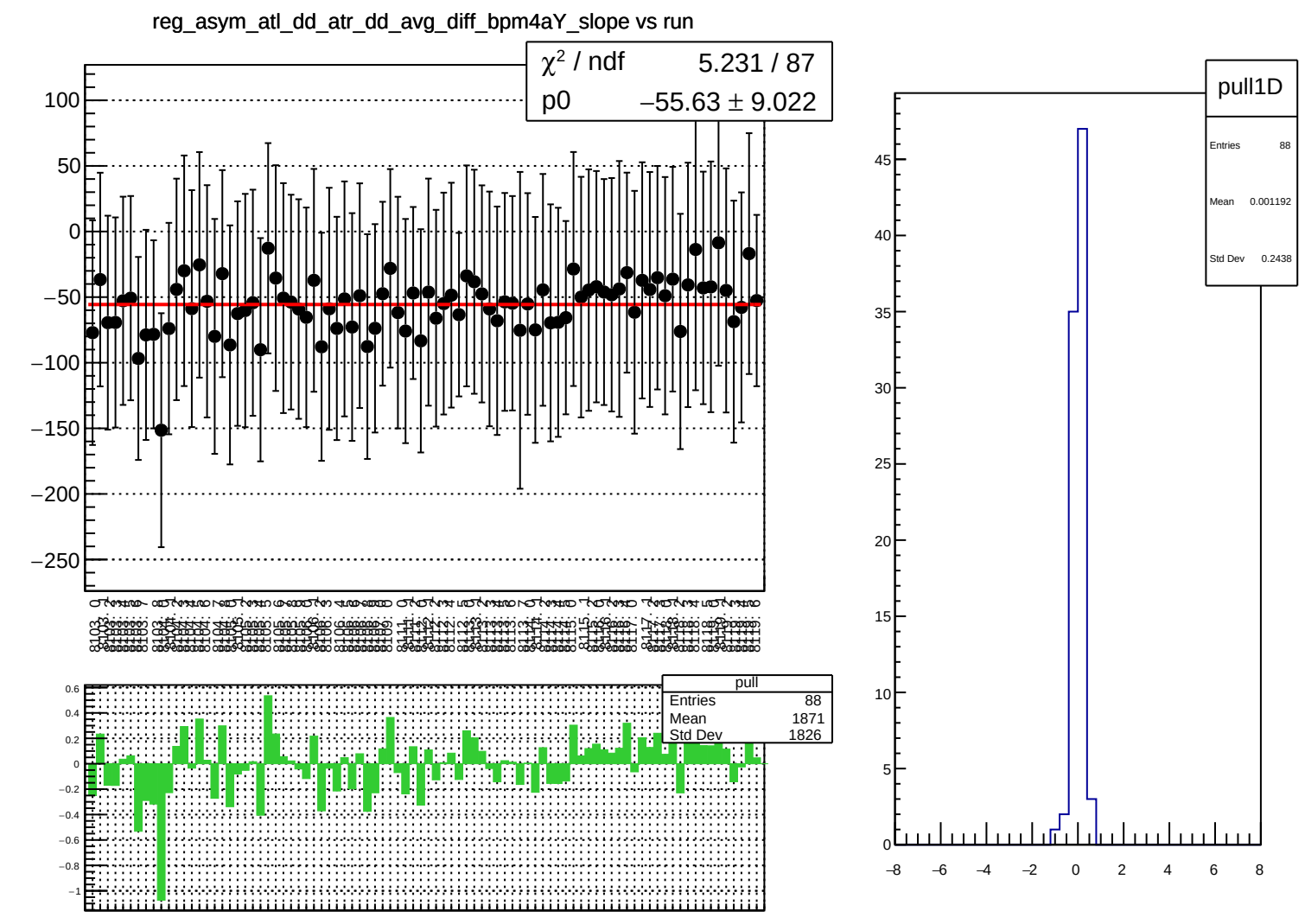

pull1D
Entries 88
Mean 0.01691
Std Dev 0.4315
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

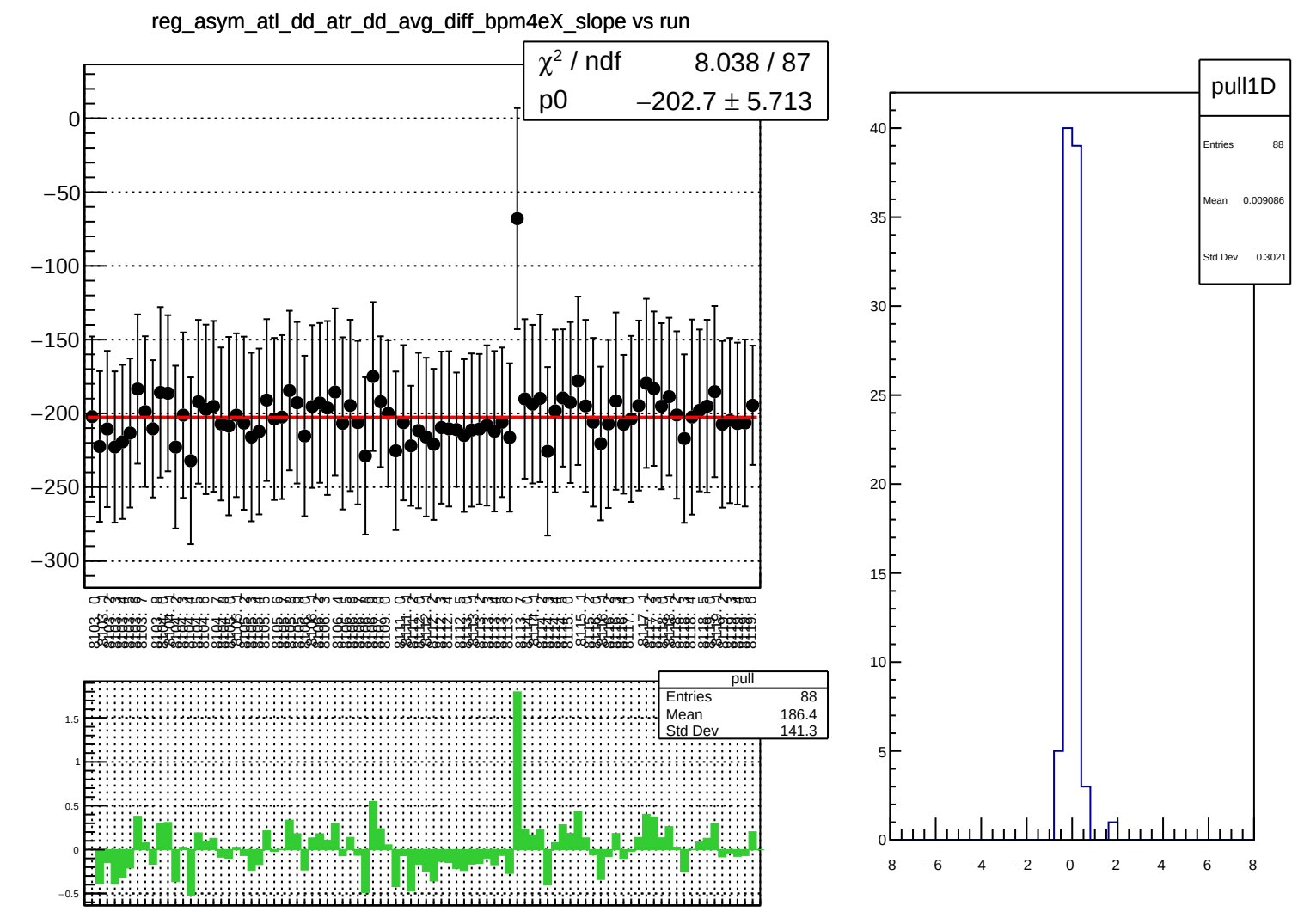

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.97 / 87
p0 −11.73 ± 7.88
pull
Entries 88
Mean −244.5
Std Dev 284.9

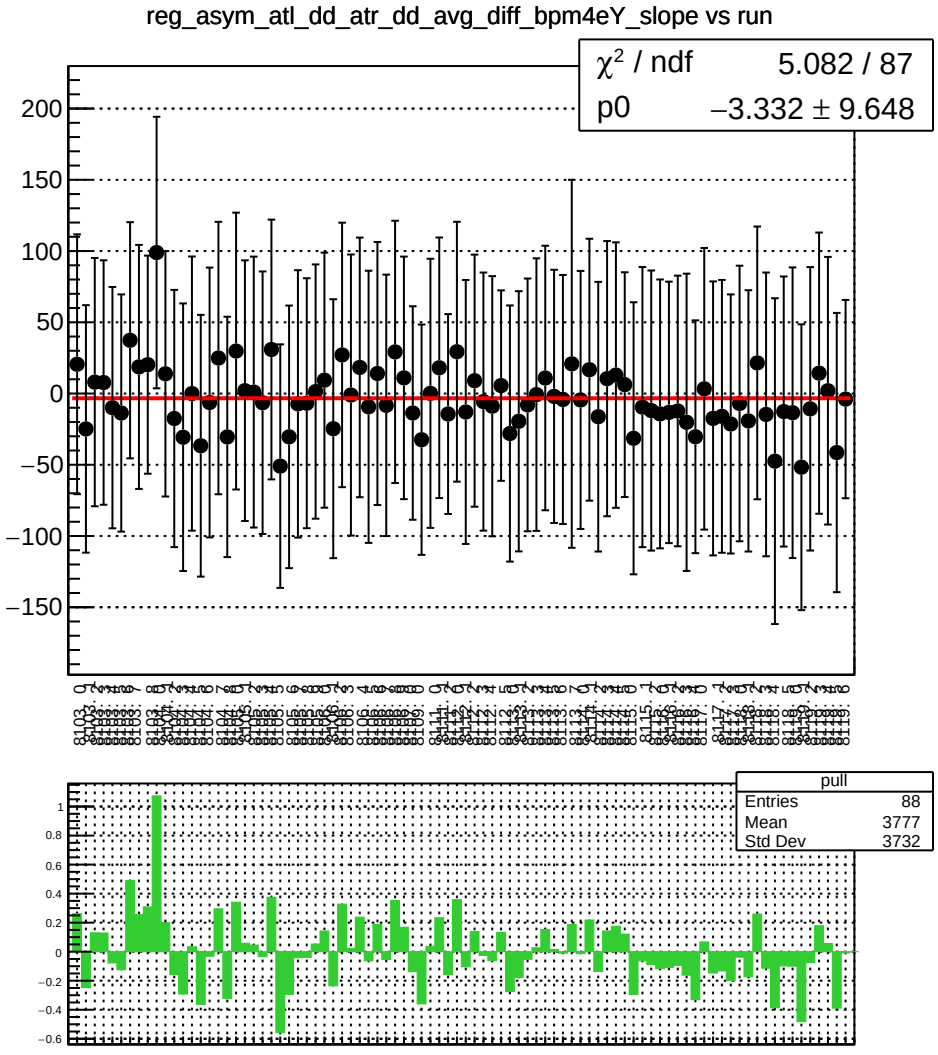

pull1D
Entries 88
Mean 0.004556
Std Dev 0.3984

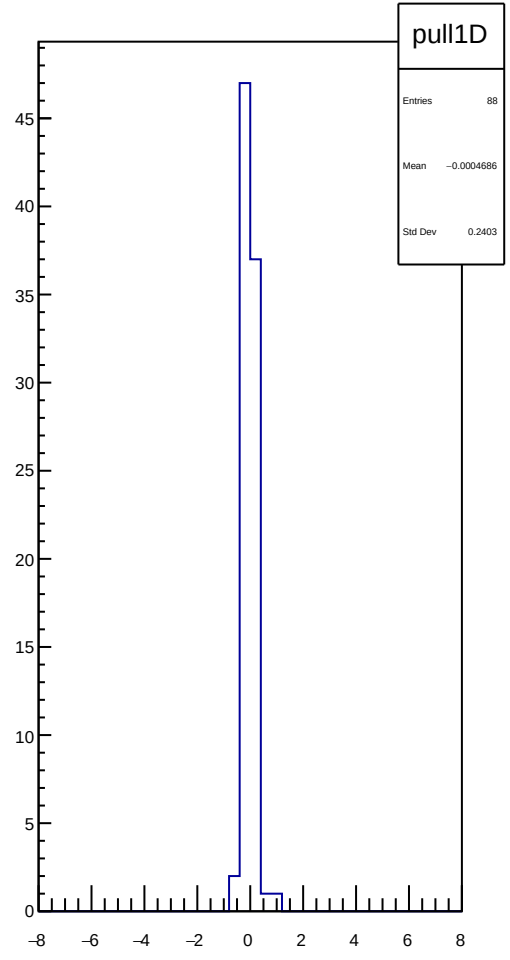

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.41 / 87
p0 106 ± 0.296
pull
Entries 88
Mean 377.6
Std Dev 343.4
pull1D
Entries 88
Mean −0.004256
Std Dev 0.3903

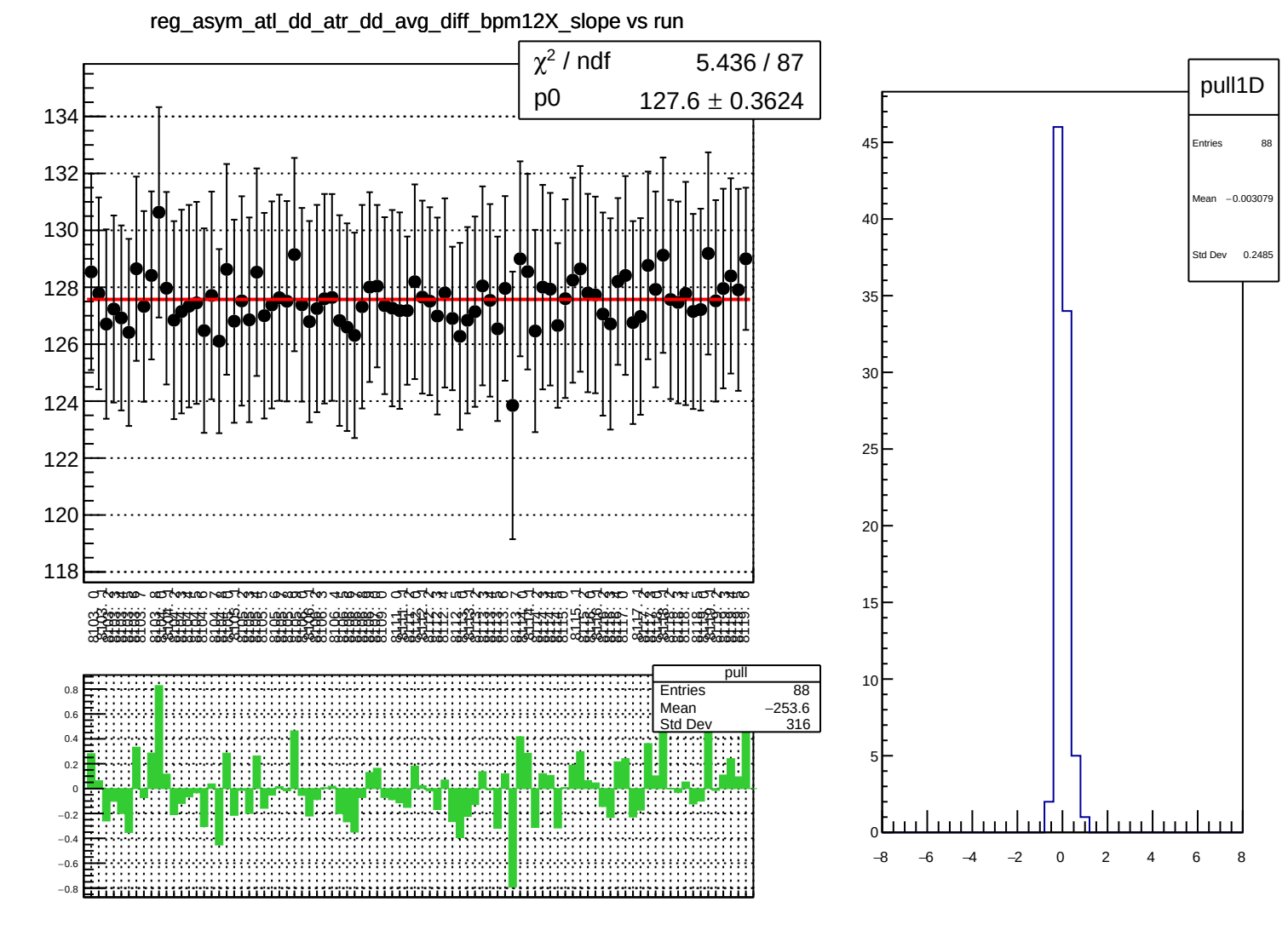

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 8.174 / 87
p0 210.2 ± 6.008
300
250
200
150
100
50
0
pull
Entries 88
Mean 149.5
Std Dev 105
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 88
Mean −0.009669
Std Dev 0.3046
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

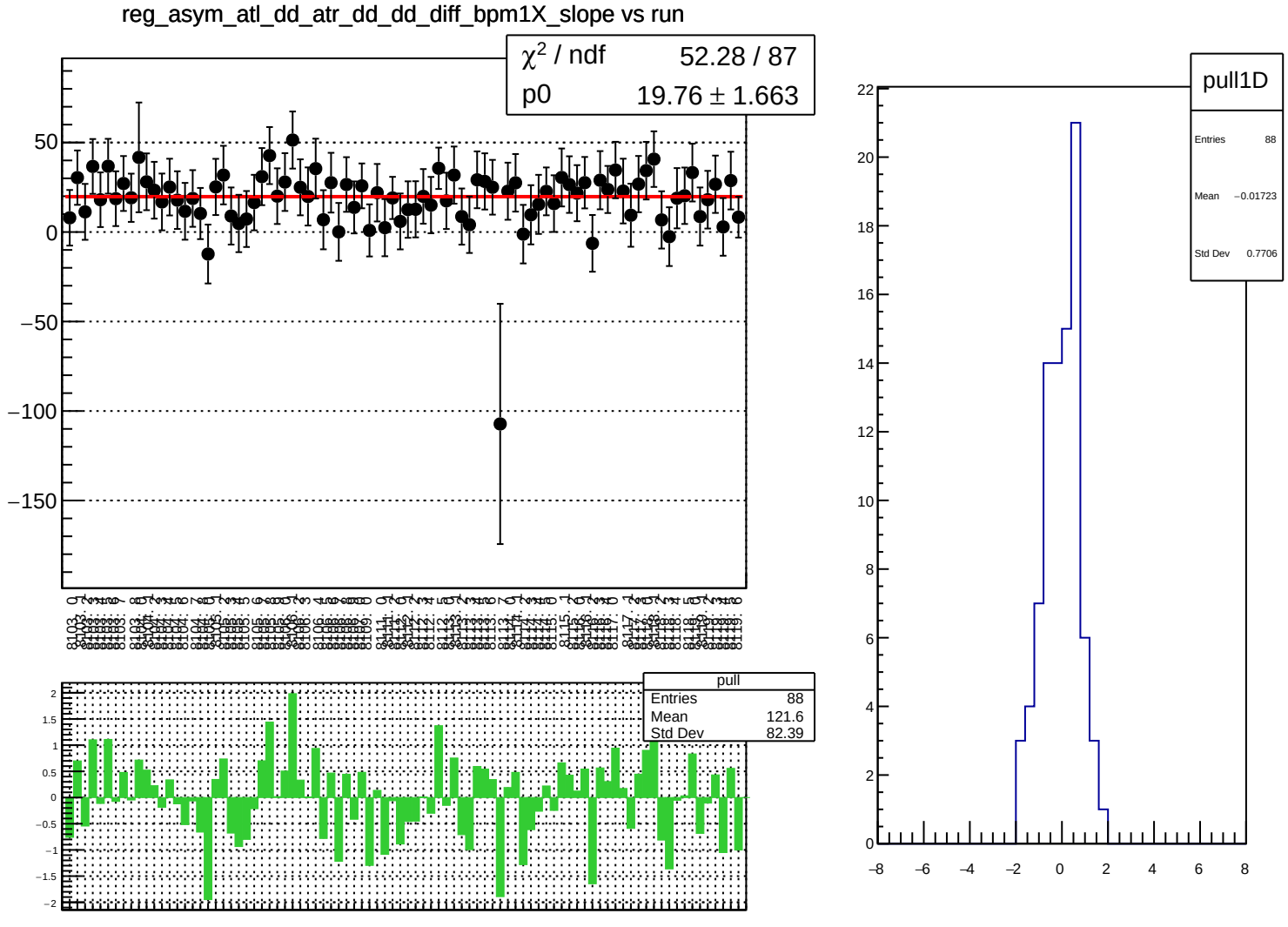

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.231 / 87
p0 −55.63 ± 9.022
pull
Entries 88
Mean 1871
Std Dev 1826
pull1D
Entries 88
Mean 0.001192
Std Dev 0.2438

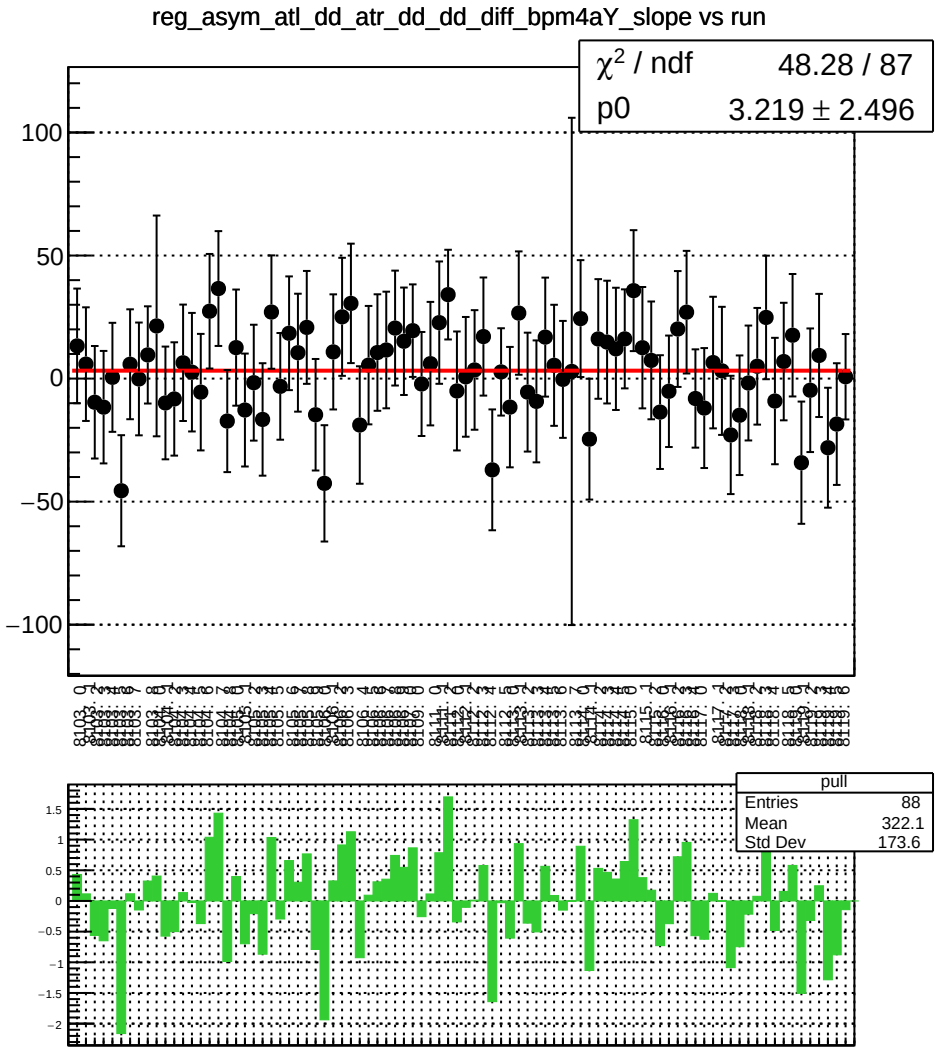

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.038 / 87
p0 −202.7 ± 5.713
pull
Entries 88
Mean 186.4
Std Dev 141.3
pull1D
Entries 88
Mean 0.009086
Std Dev 0.3021

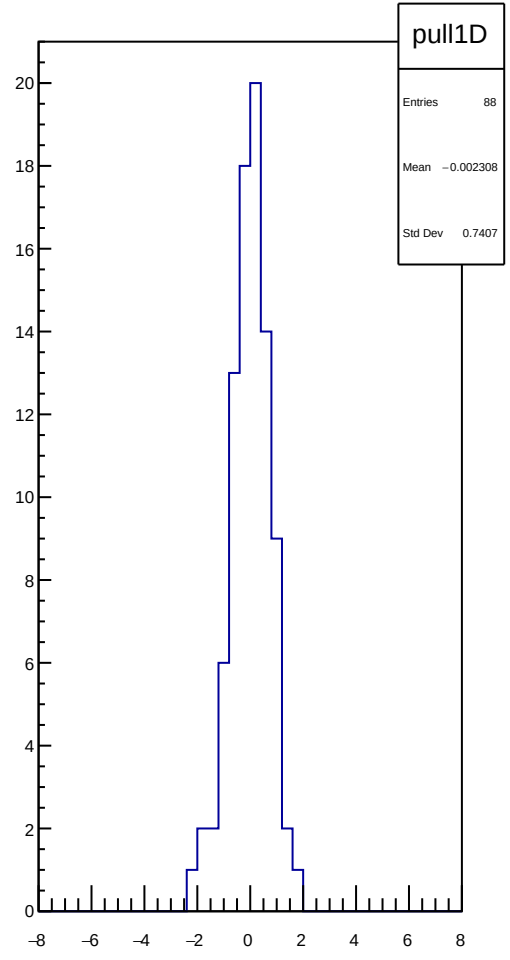

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.082 / 87
p0 −3.332 ± 9.648
pull
Entries 88
Mean 3777
Std Dev 3732

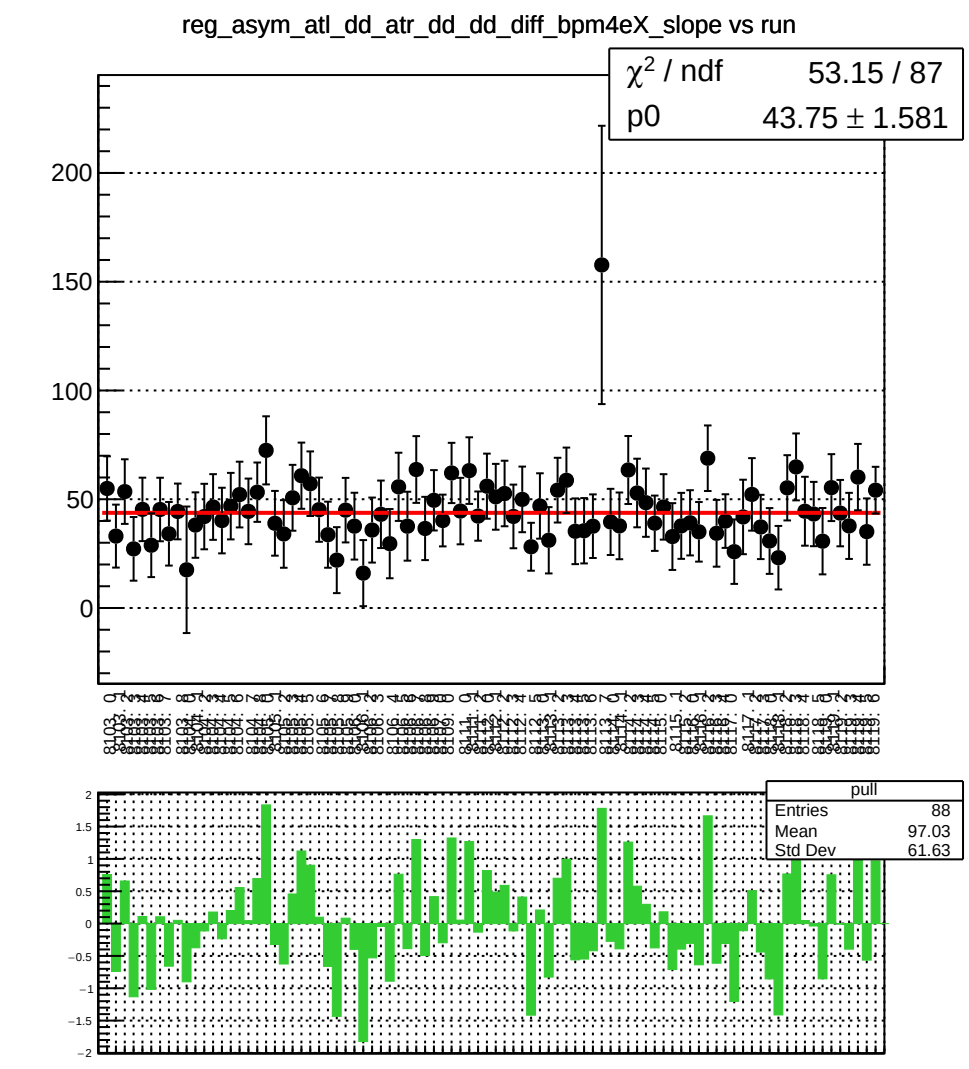

pull1D
Entries 88
Mean −0.0004686
Std Dev 0.2403

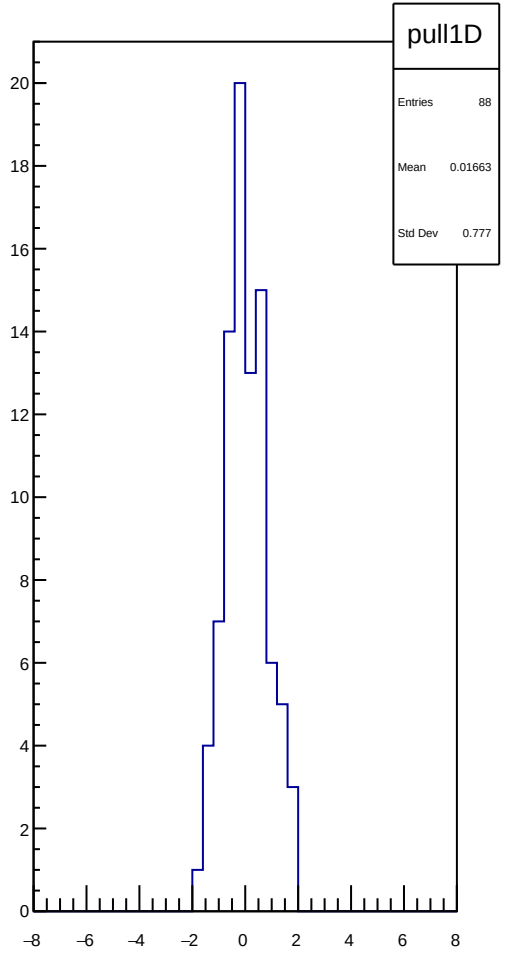

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.436 / 87
p0 127.6 ± 0.3624
134
132
130
128
126
124
122
120
118
pull
Entries 88
Mean −253.6
Std Dev 316
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 88
Mean −0.003079
Std Dev 0.2485
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

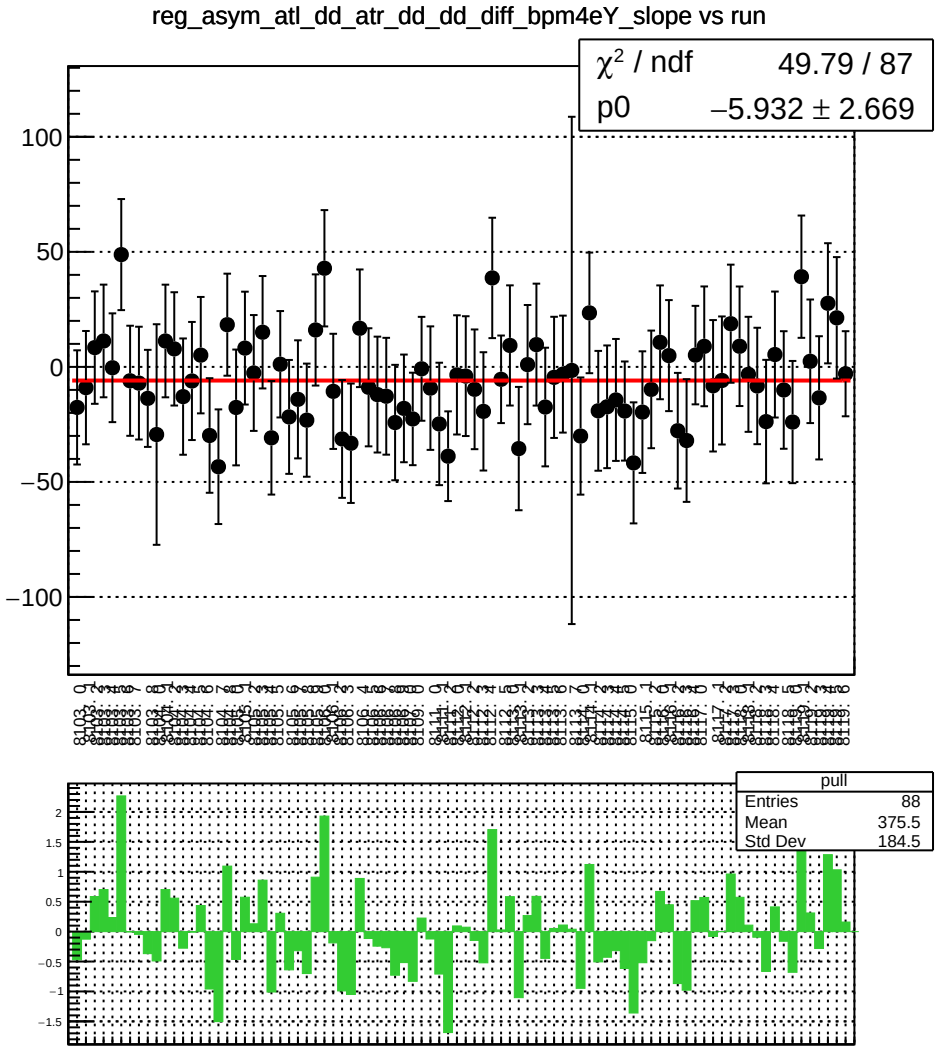

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 52.28 / 87
p0 19.76 ± 1.663
50
0
−50
−100
−150
pull
Entries 88
Mean 121.6
Std Dev 82.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 88
Mean −0.01723
Std Dev 0.7706
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

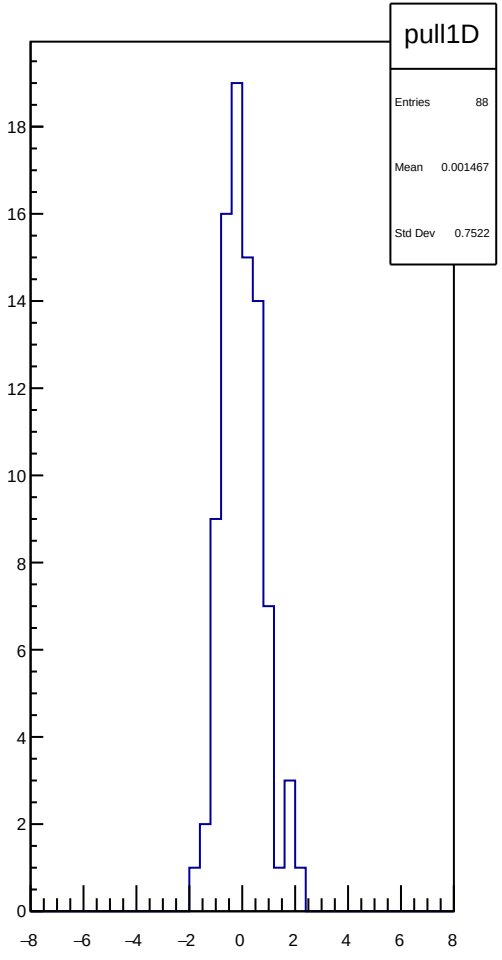

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.28 / 87
p0 3.219 ± 2.496
pull
Entries 88
Mean 322.1
Std Dev 173.6

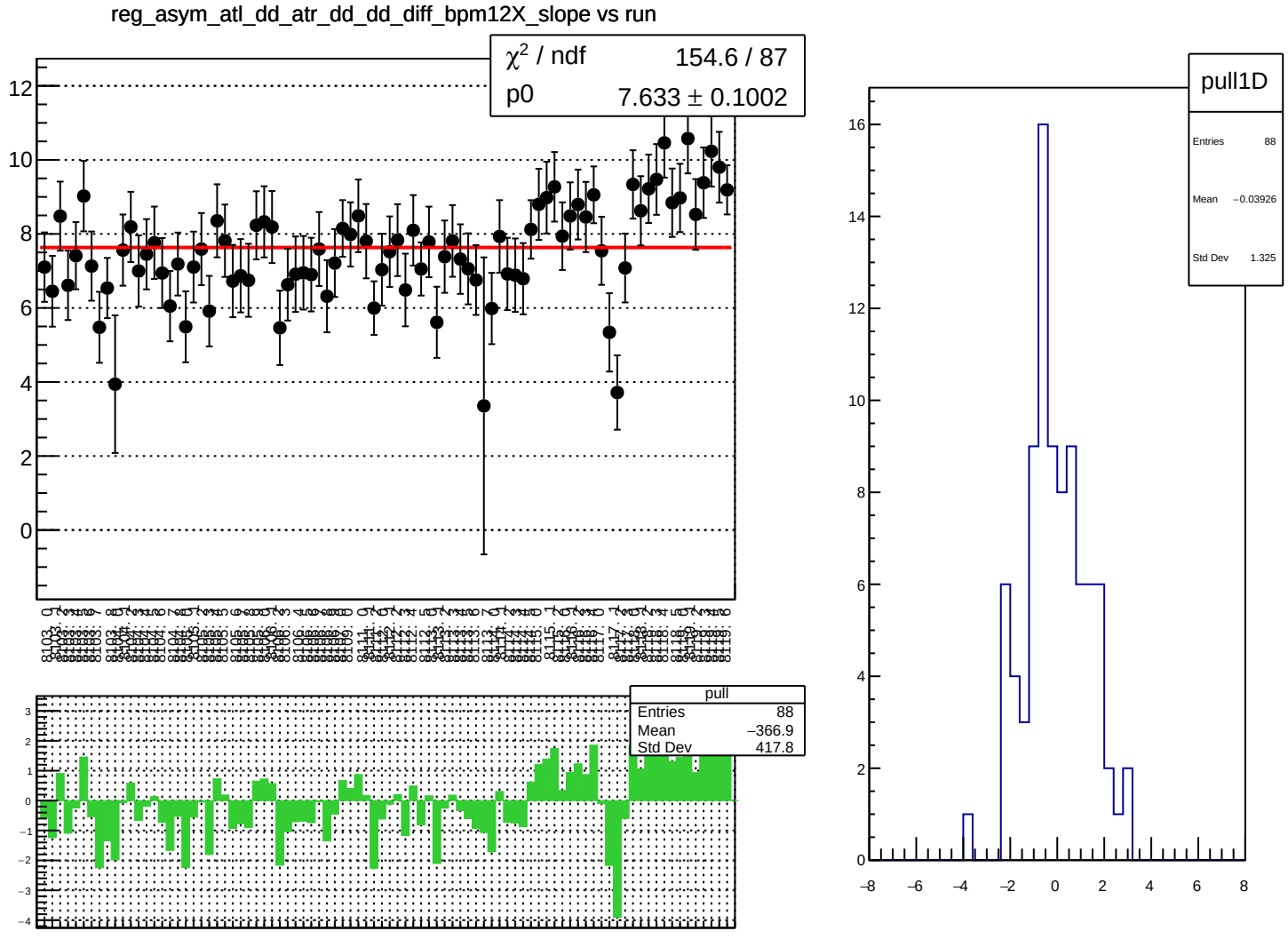

pull1D
Entries 88
Mean −0.002308
Std Dev 0.7407

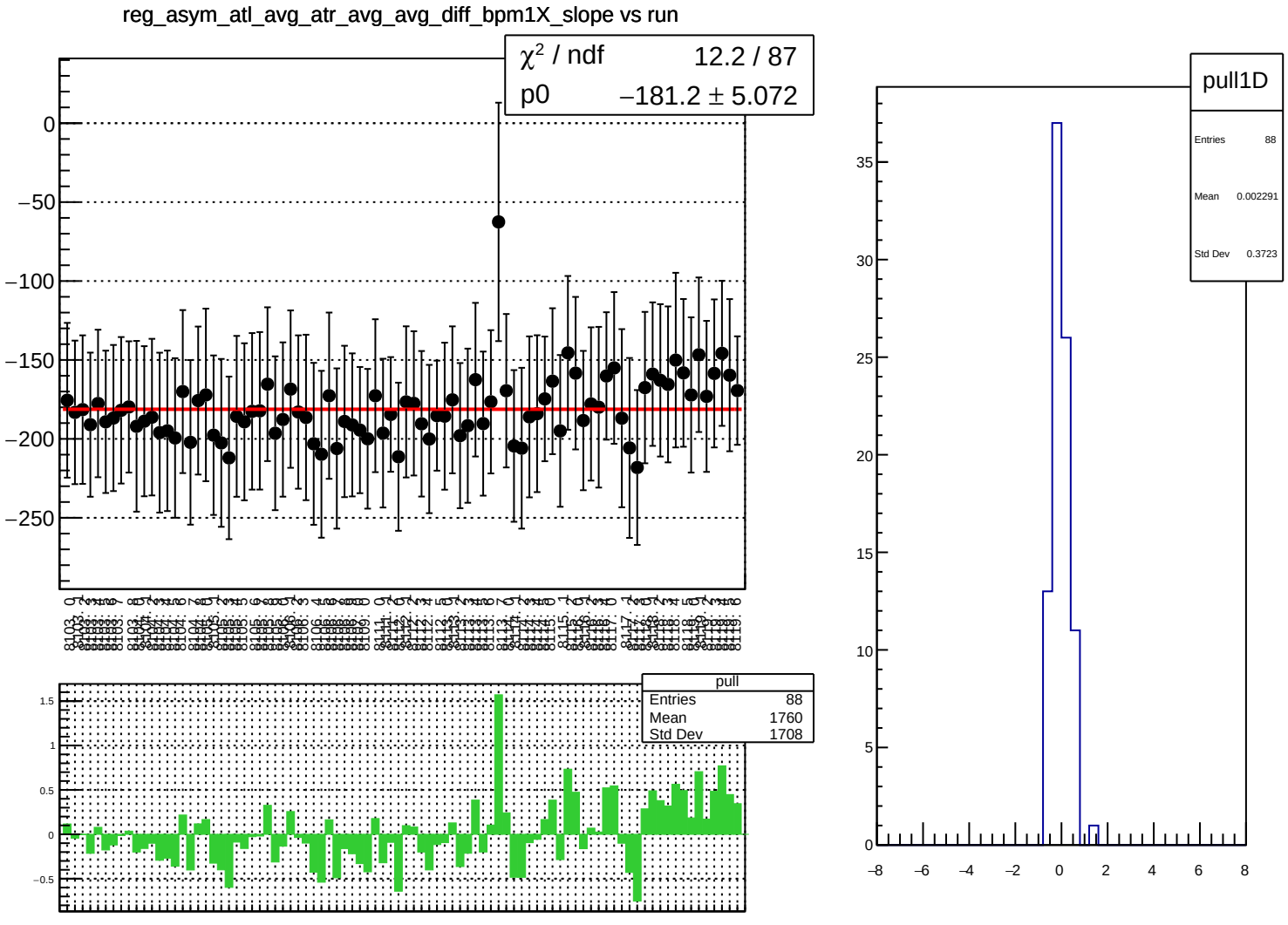

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.15 / 87
p0 43.75 ± 1.581
200
150
100
50
0
pull
Entries 88
Mean 97.03
Std Dev 61.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

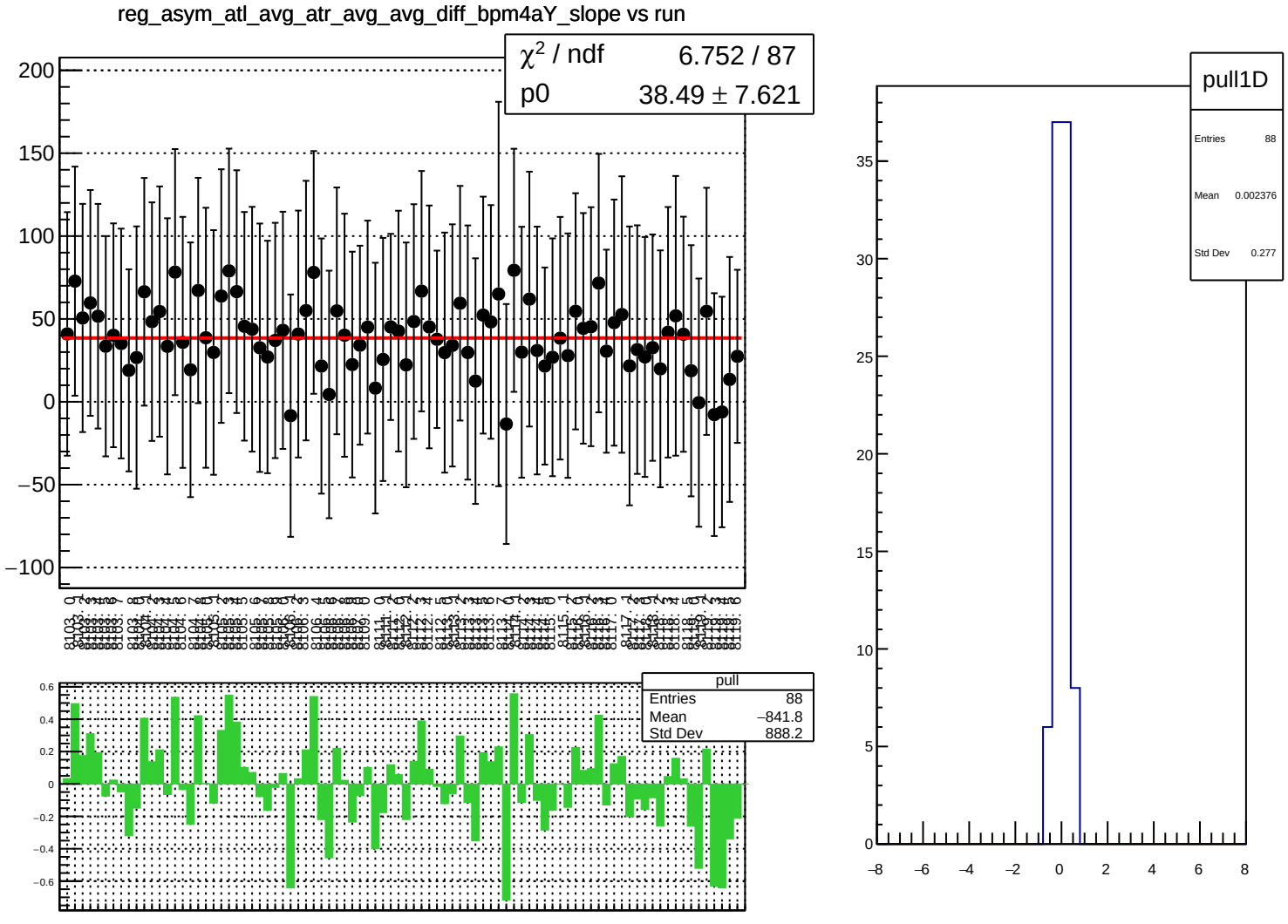

pull1D
Entries 88
Mean 0.01663
Std Dev 0.777
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

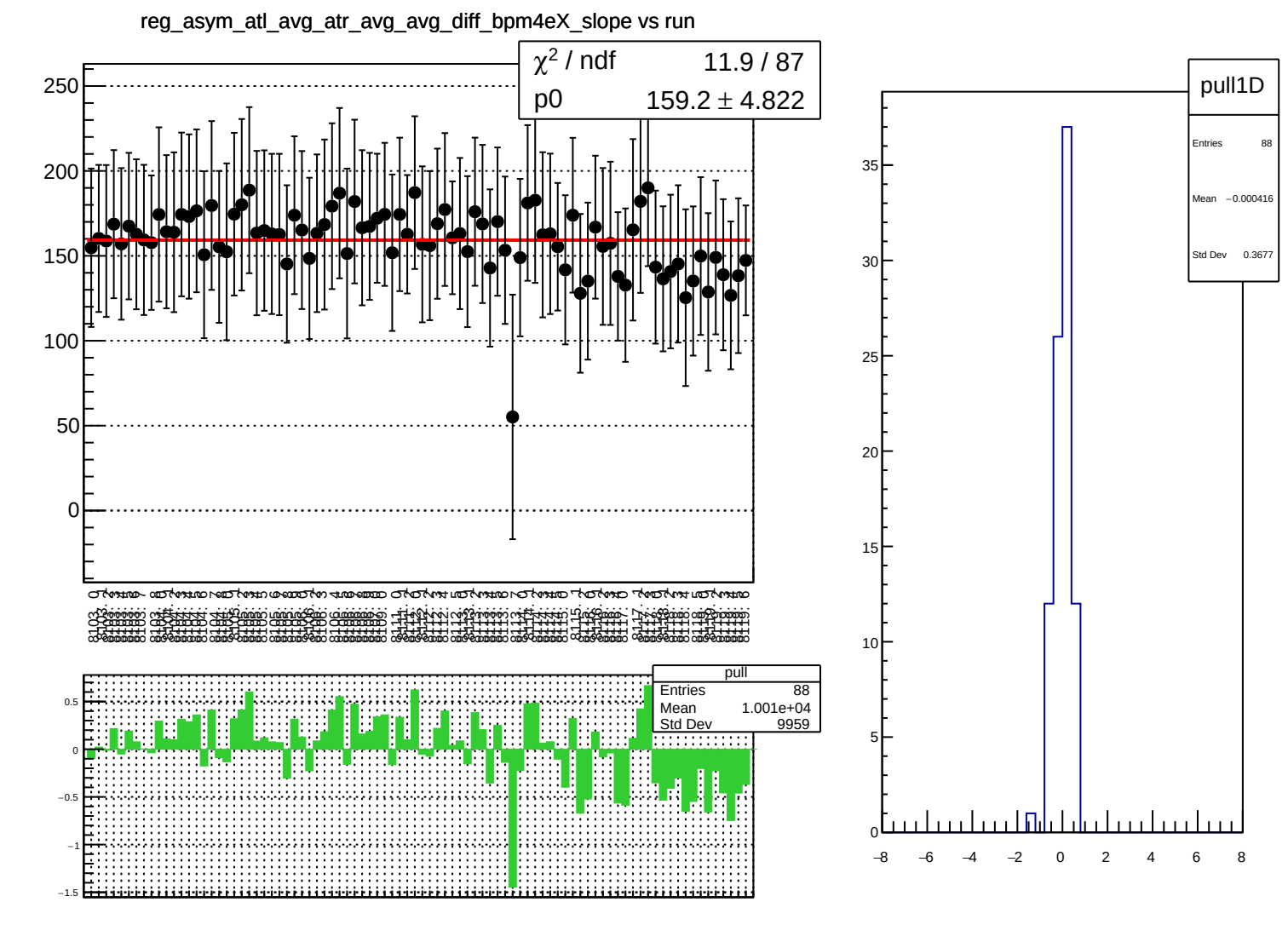

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.79 / 87
p0 −5.932 ± 2.669
pull
Entries 88
Mean 375.5
Std Dev 184.5

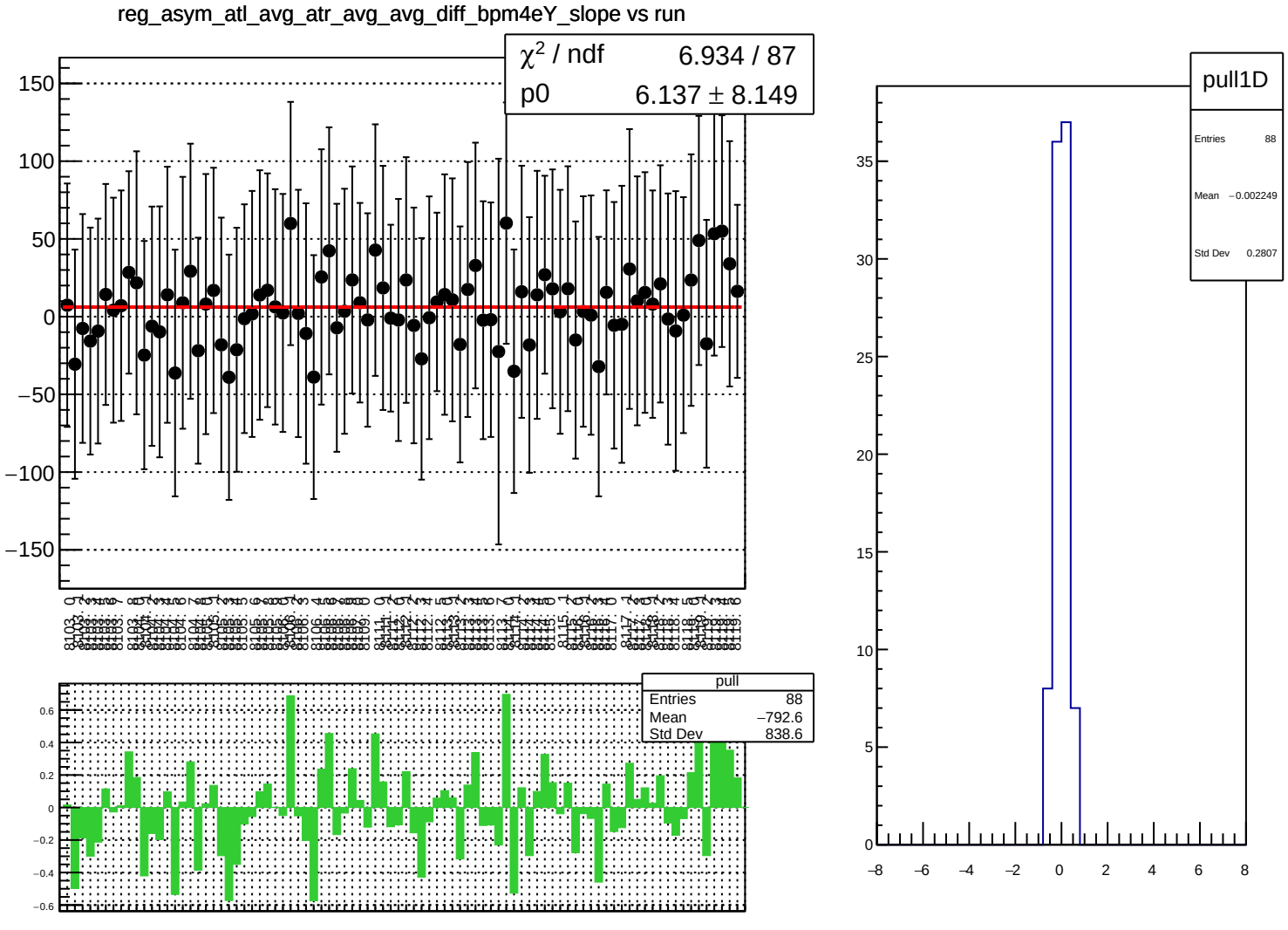

pull1D
Entries 88
Mean 0.001467
Std Dev 0.7522

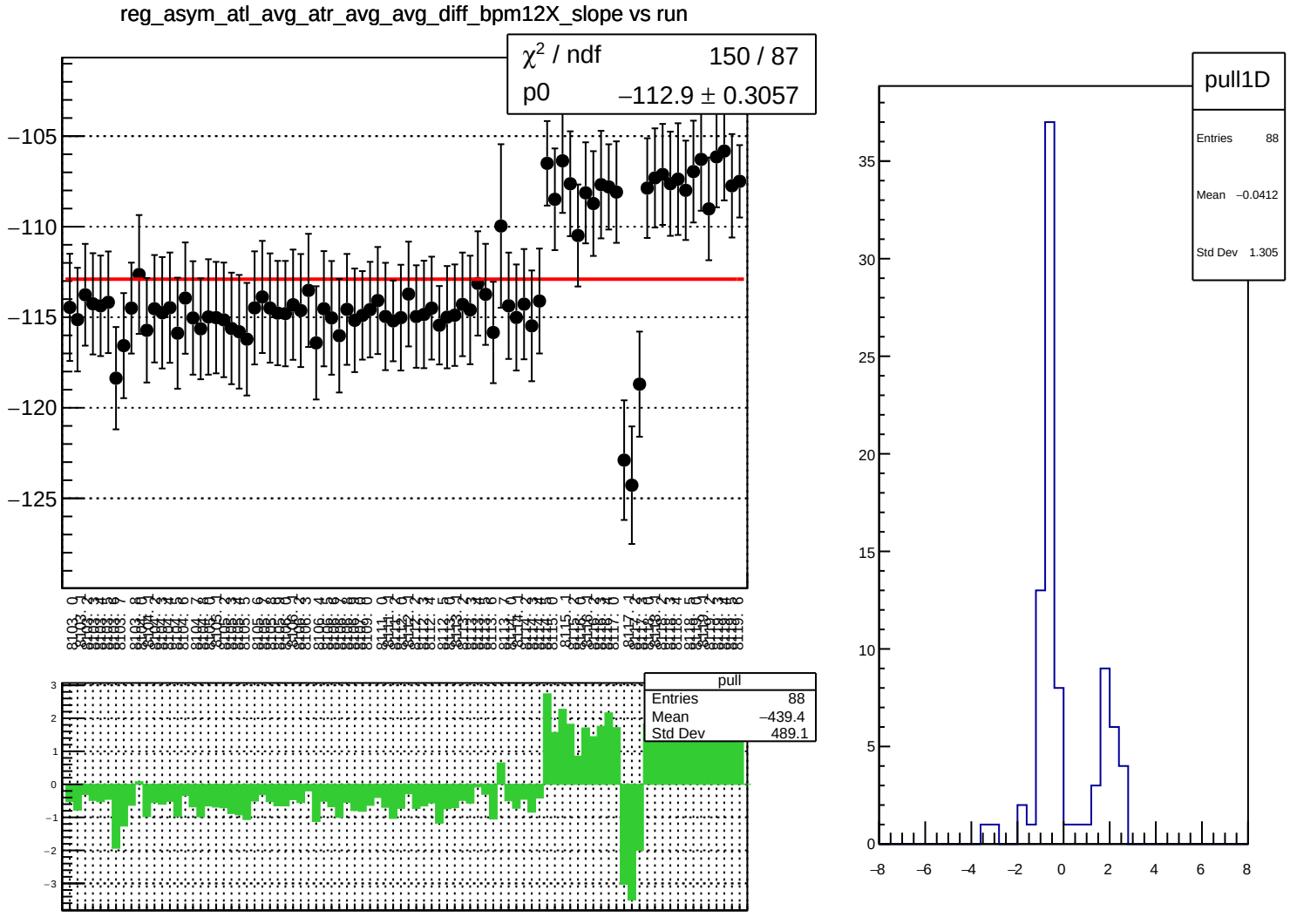

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 154.6 / 87
p0 7.633 ± 0.1002
pull
Entries 88
Mean −366.9
Std Dev 417.8
pull1D
Entries 88
Mean −0.03926
Std Dev 1.325

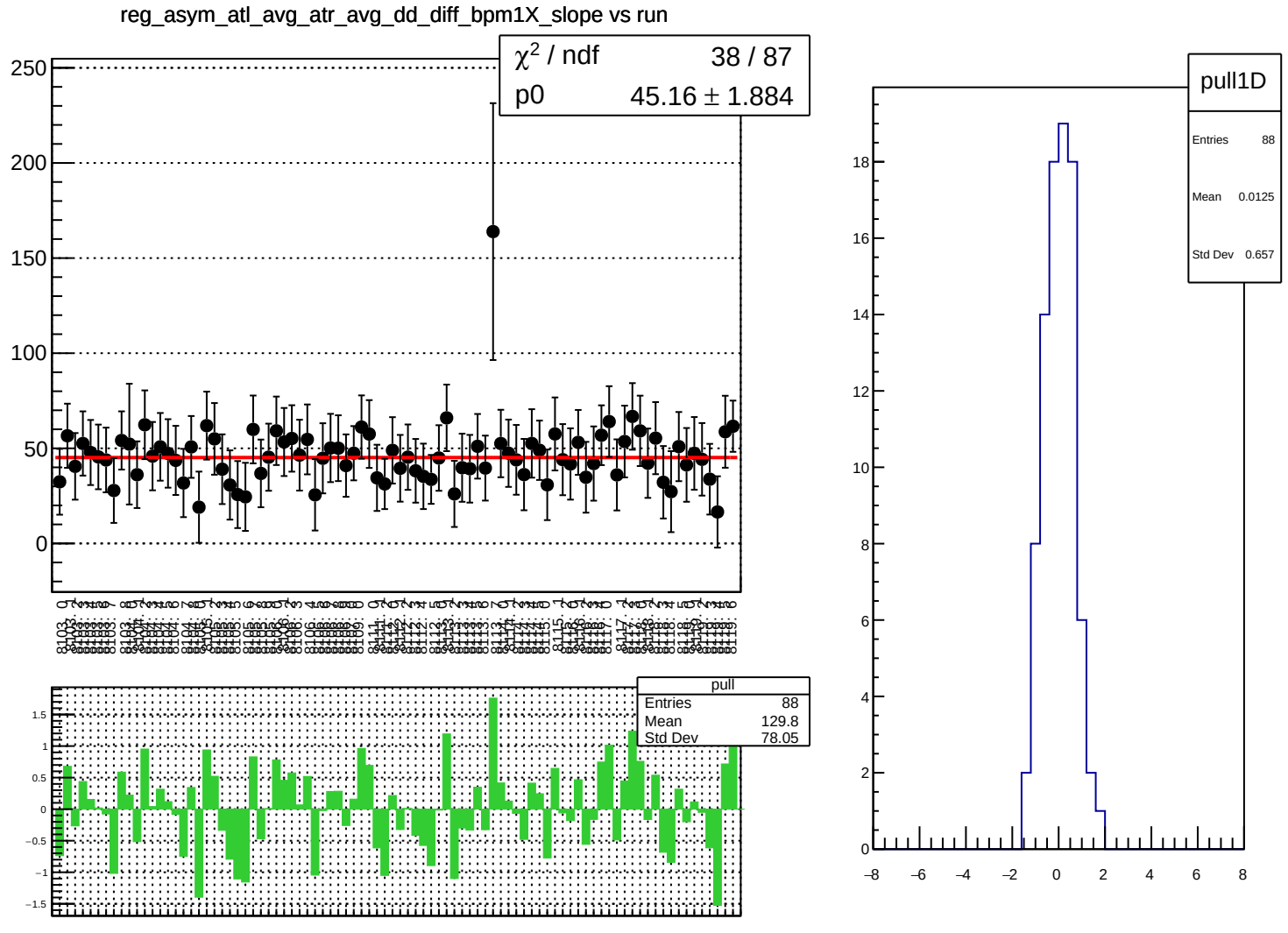

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 12.2 / 87
p0 −181.2 ± 5.072
pull
Entries 88
Mean 1760
Std Dev 1708
pull1D
Entries 88
Mean 0.002291
Std Dev 0.3723

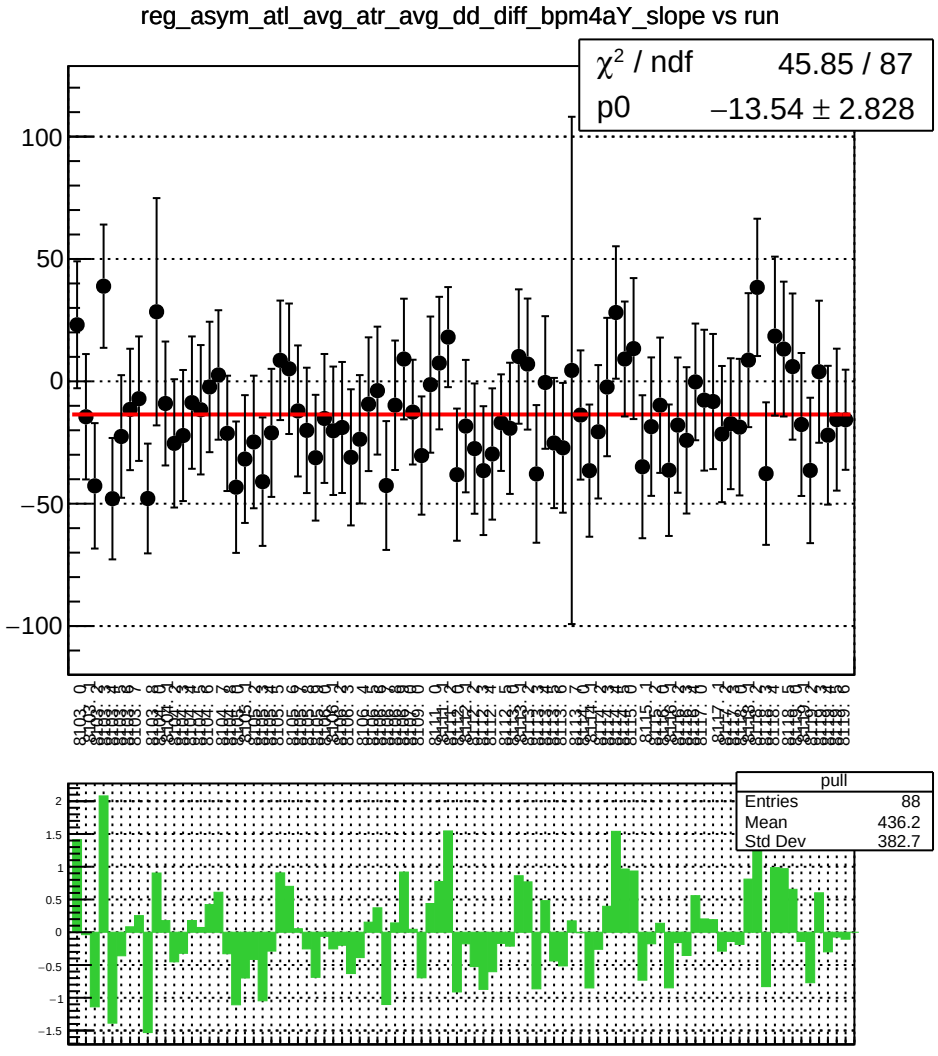

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.752 / 87
p0 38.49 ± 7.621
pull
Entries 88
Mean −841.8
Std Dev 888.2
pull1D
Entries 88
Mean 0.002376
Std Dev 0.277

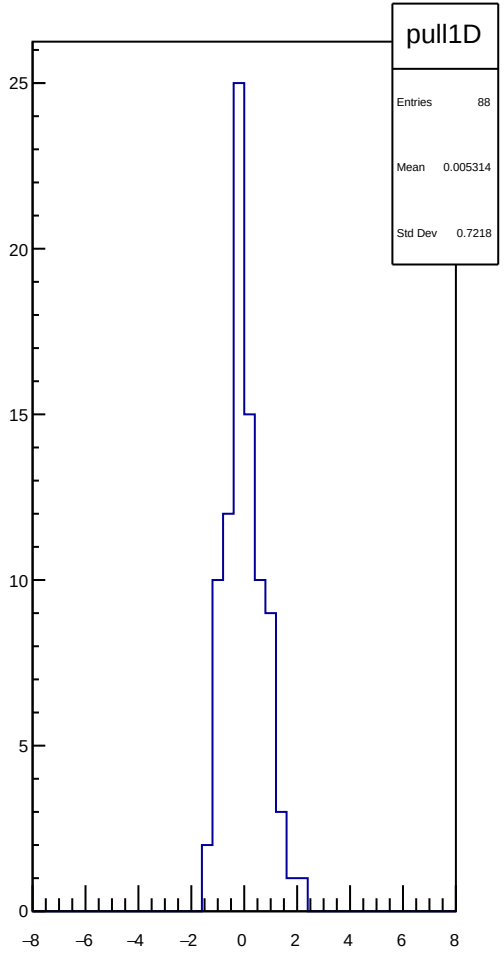

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.9 / 87
p0 159.2 ± 4.822
250
200
150
100
50
0
pull
Entries 88
Mean 1.001e+04
Std Dev 9959
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.000416
Std Dev 0.3677
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

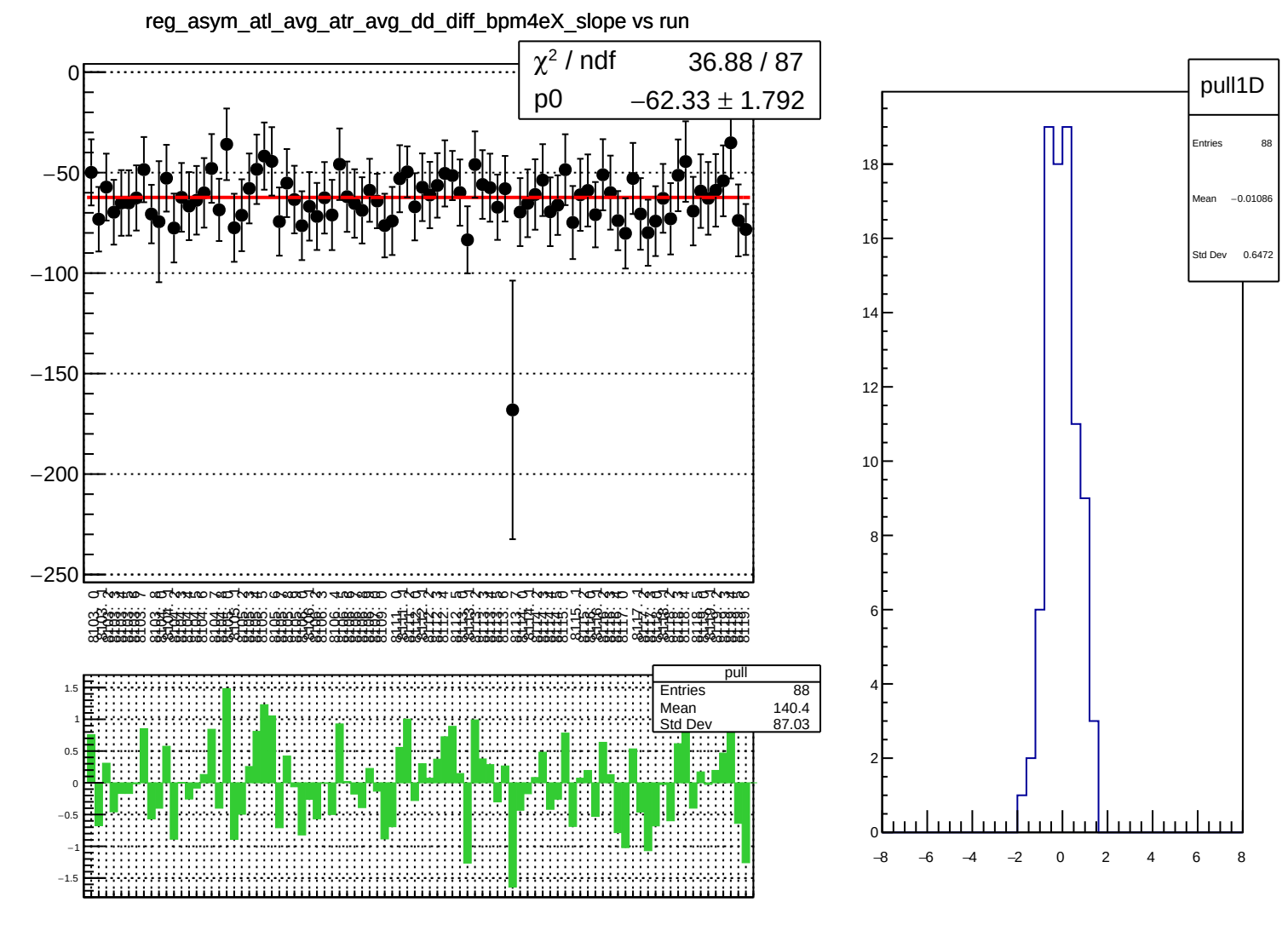

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.934 / 87
p0 6.137 ± 8.149
150
100
50
0
−50
−100
−150
pull
Entries 88
Mean −792.6
Std Dev 838.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 88
Mean −0.002249
Std Dev 0.2807
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

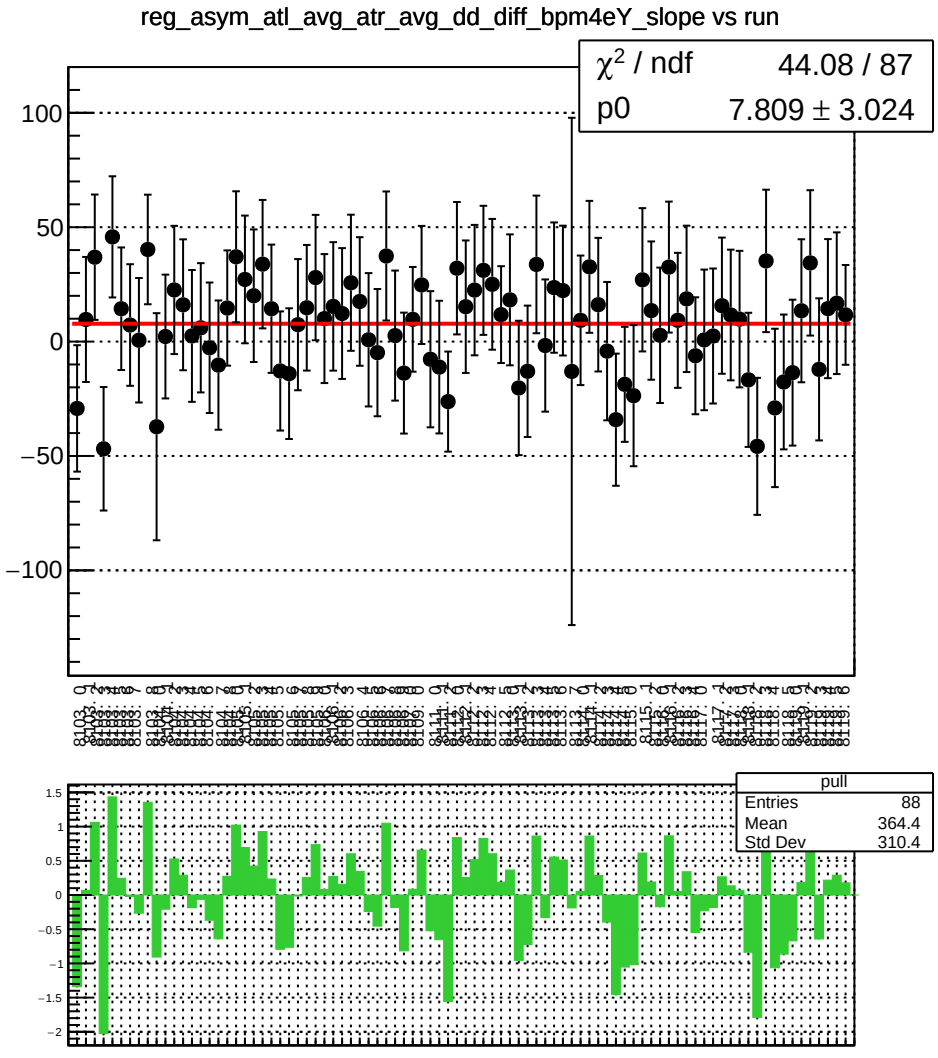

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 150 / 87
p0 −112.9 ± 0.3057
−105
−110
−115
−120
−125
pull
Entries 88
Mean −439.4
Std Dev 489.1
3
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean −0.0412
Std Dev 1.305
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

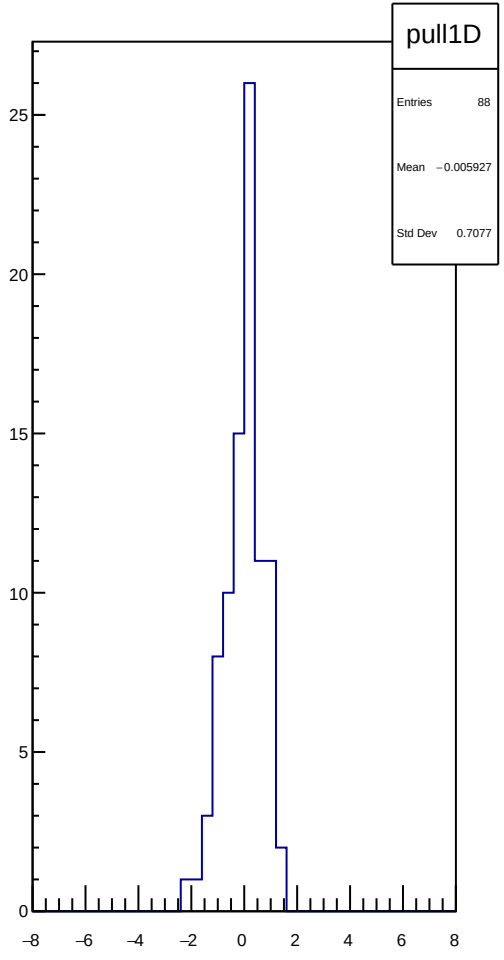

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 38 / 87
p0 45.16 ± 1.884
pull
Entries 88
Mean 129.8
Std Dev 78.05
pull1D
Entries 88
Mean 0.0125
Std Dev 0.657

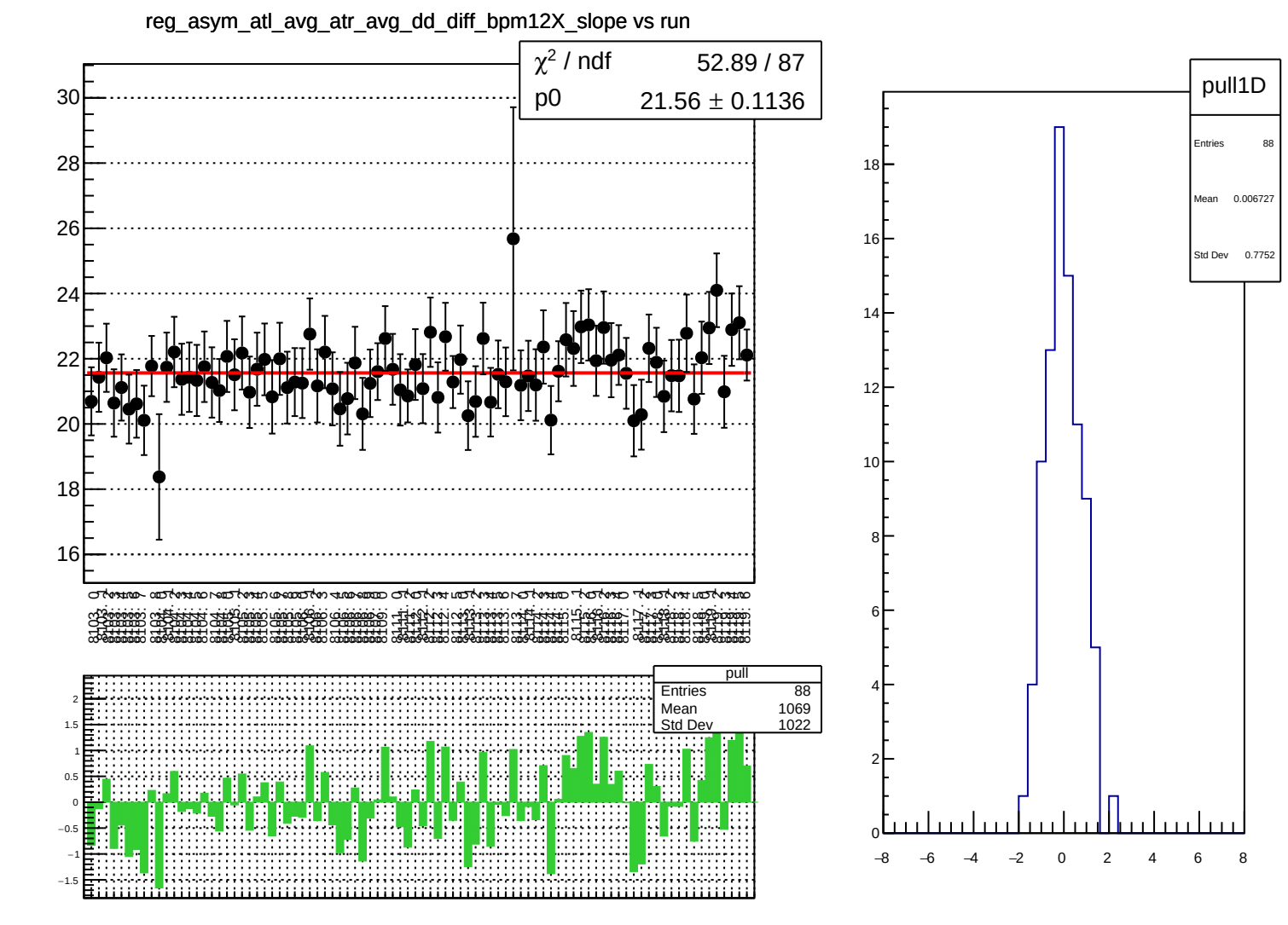

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 45.85 / 87
p0 −13.54 ± 2.828
100
50
0
−50
−100
pull
Entries 88
Mean 436.2
Std Dev 382.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

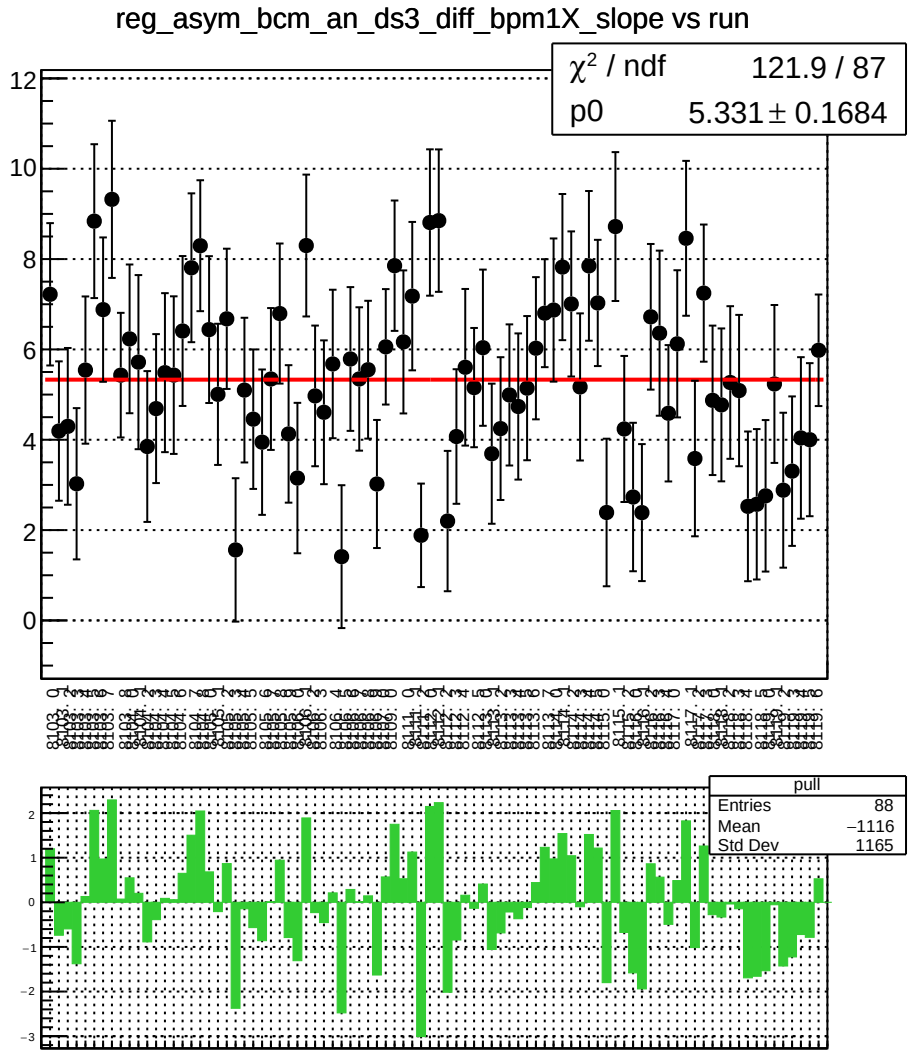

pull1D
Entries 88
Mean 0.005314
Std Dev 0.7218
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

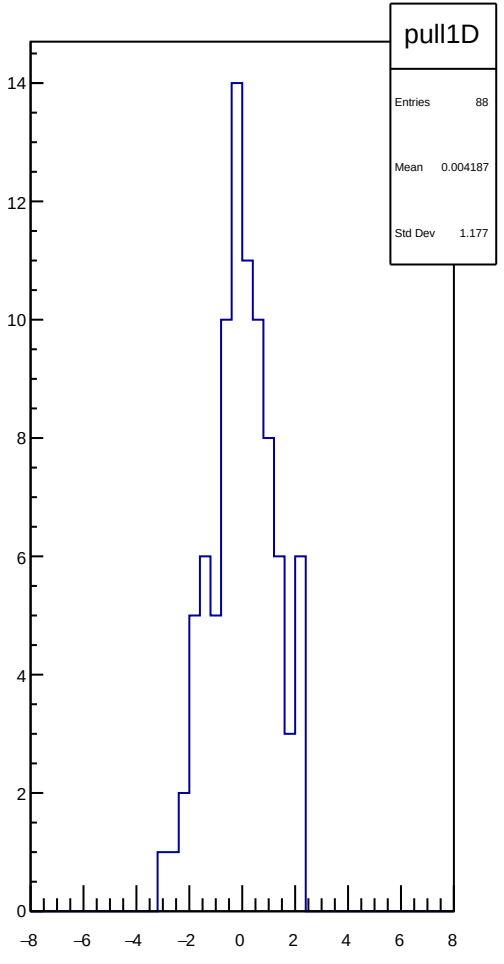

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.88 / 87
p0 −62.33 ± 1.792
pull
Entries 88
Mean 140.4
Std Dev 87.03
pull1D
Entries 88
Mean −0.01086
Std Dev 0.6472

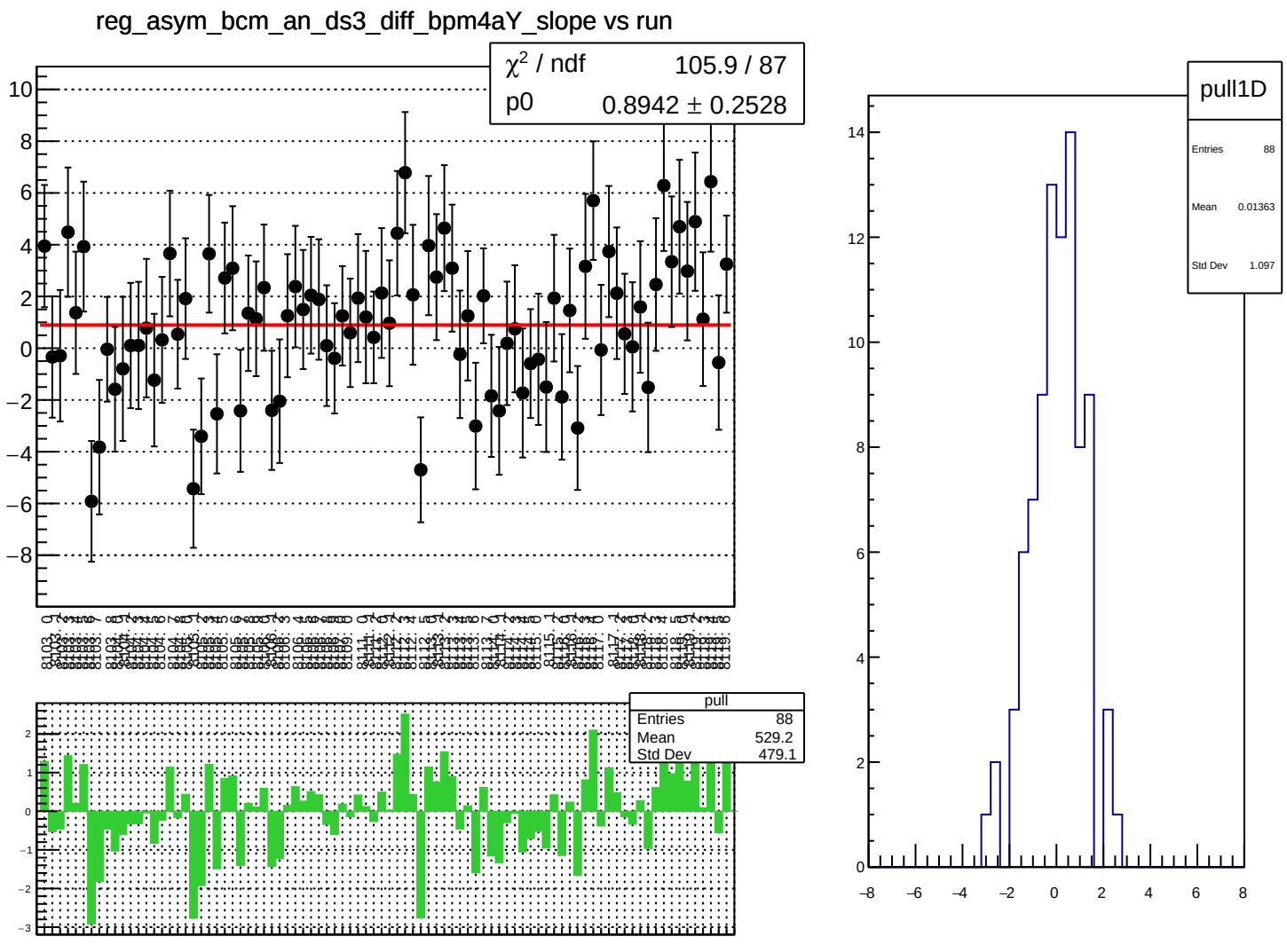

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.08 / 87
p0 7.809 ± 3.024
100
50
0
−50
−100
pull
Entries 88
Mean 364.4
Std Dev 310.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

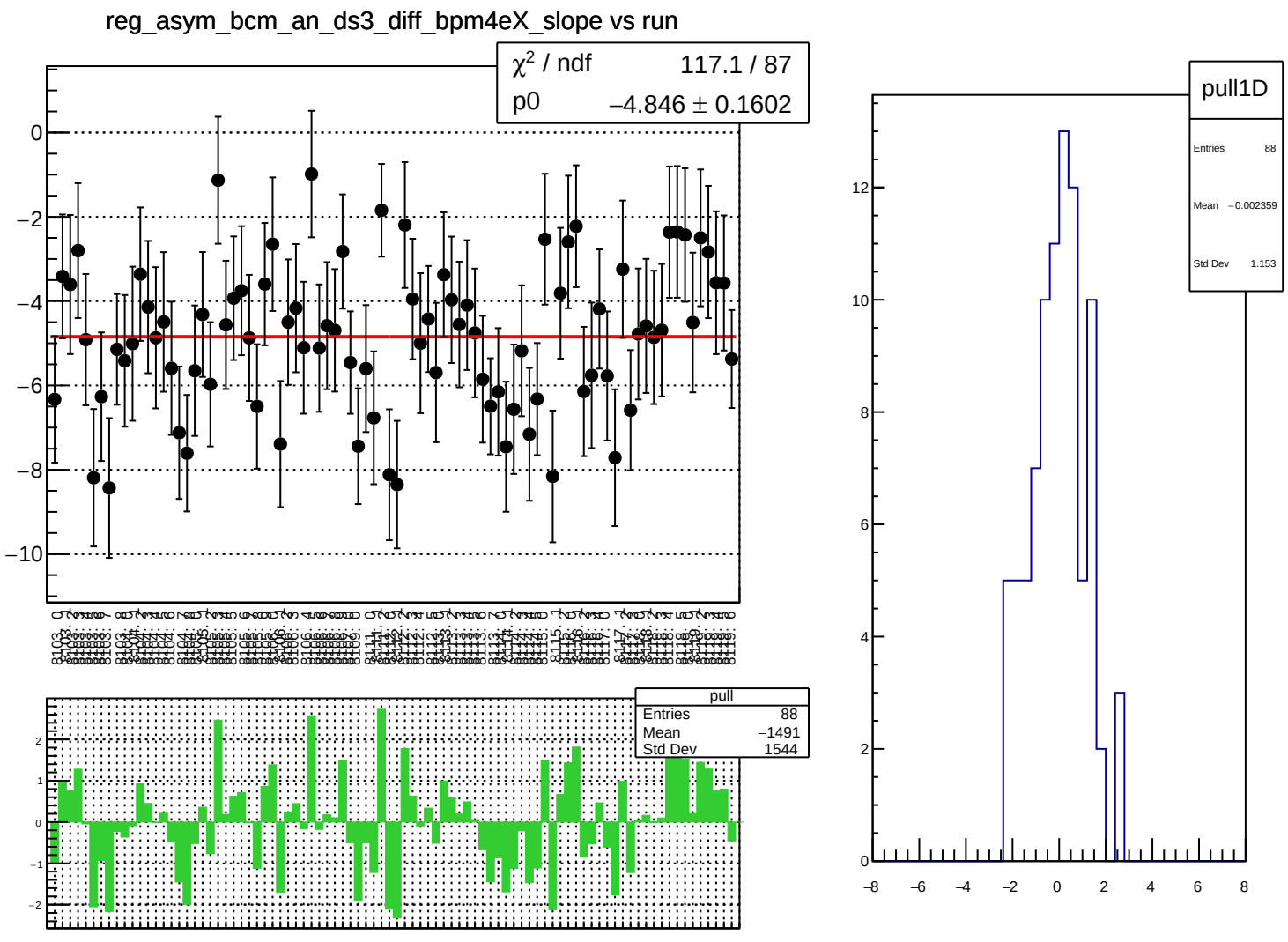

pull1D
Entries 88
Mean −0.005927
Std Dev 0.7077
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

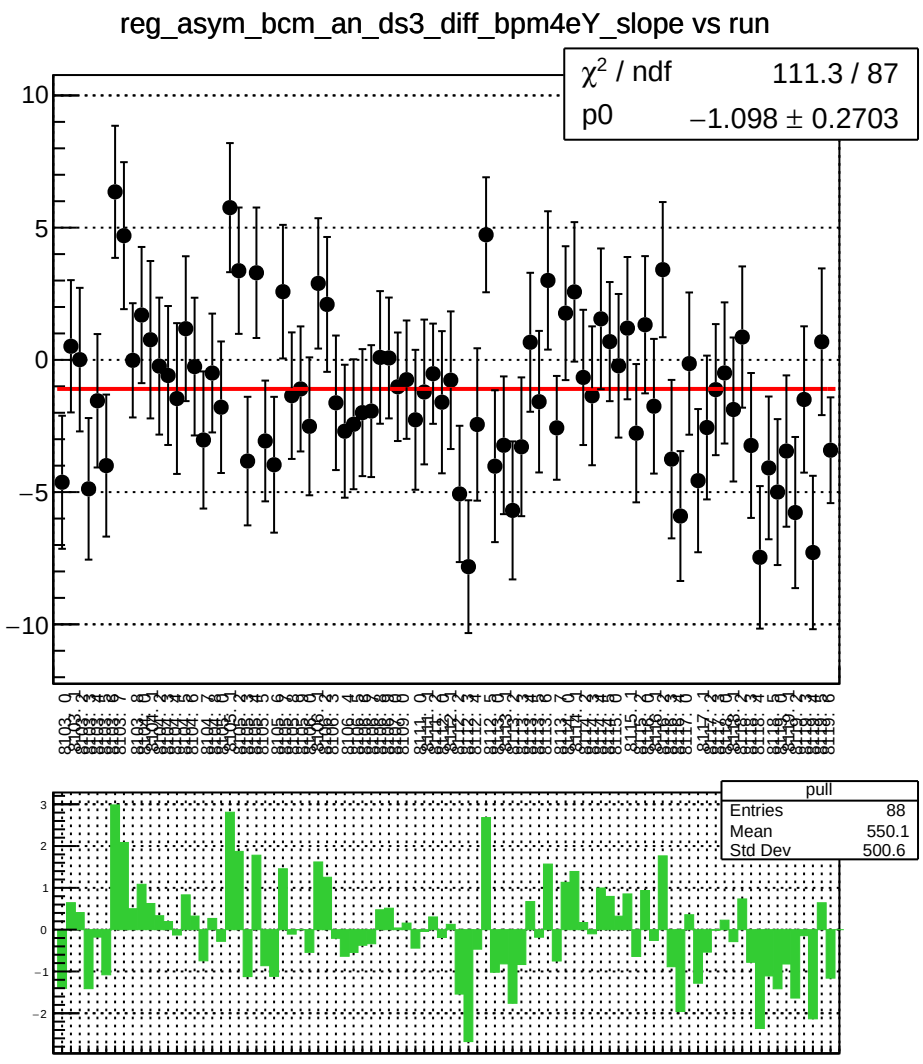

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 52.89 / 87
p0 21.56 ± 0.1136
pull
Entries 88
Mean 1069
Std Dev 1022
pull1D
Entries 88
Mean 0.006727
Std Dev 0.7752

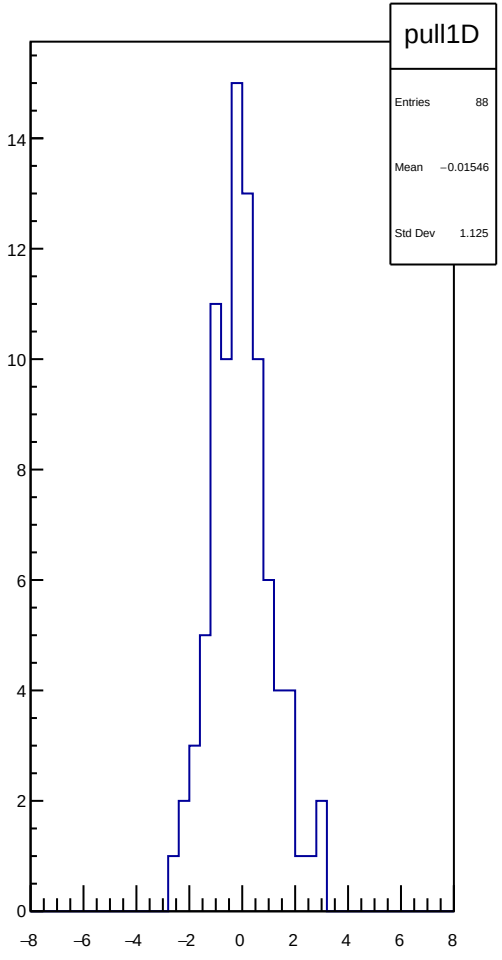

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 121.9 / 87
p0 5.331 ± 0.1684
pull
Entries 88
Mean −1116
Std Dev 1165

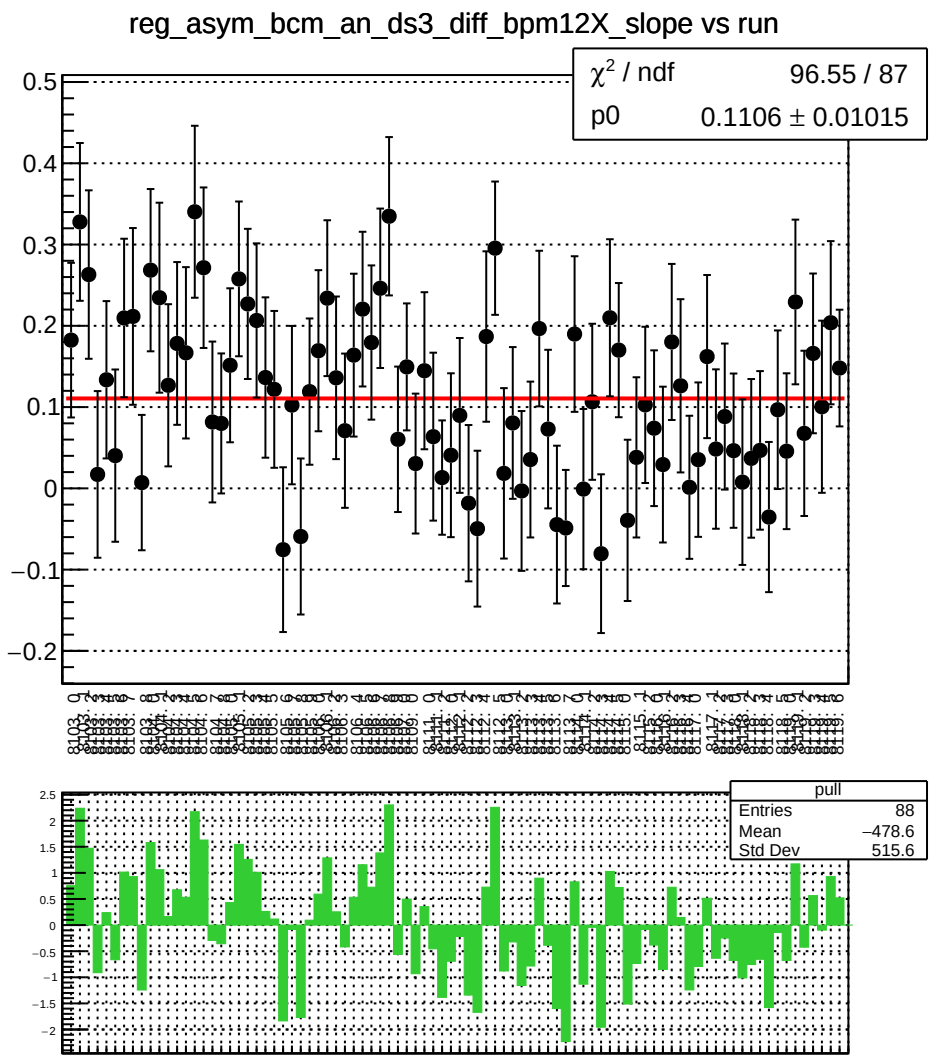

pull1D
Entries 88
Mean 0.004187
Std Dev 1.177

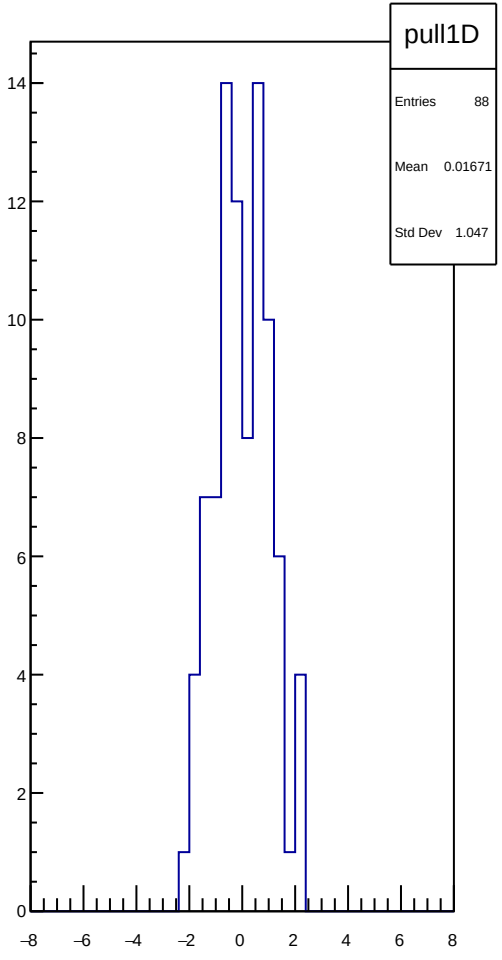

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 105.9 / 87
p0 0.8942 ± 0.2528
pull
Entries 88
Mean 529.2
Std Dev 479.1
pull1D
Entries 88
Mean 0.01363
Std Dev 1.097

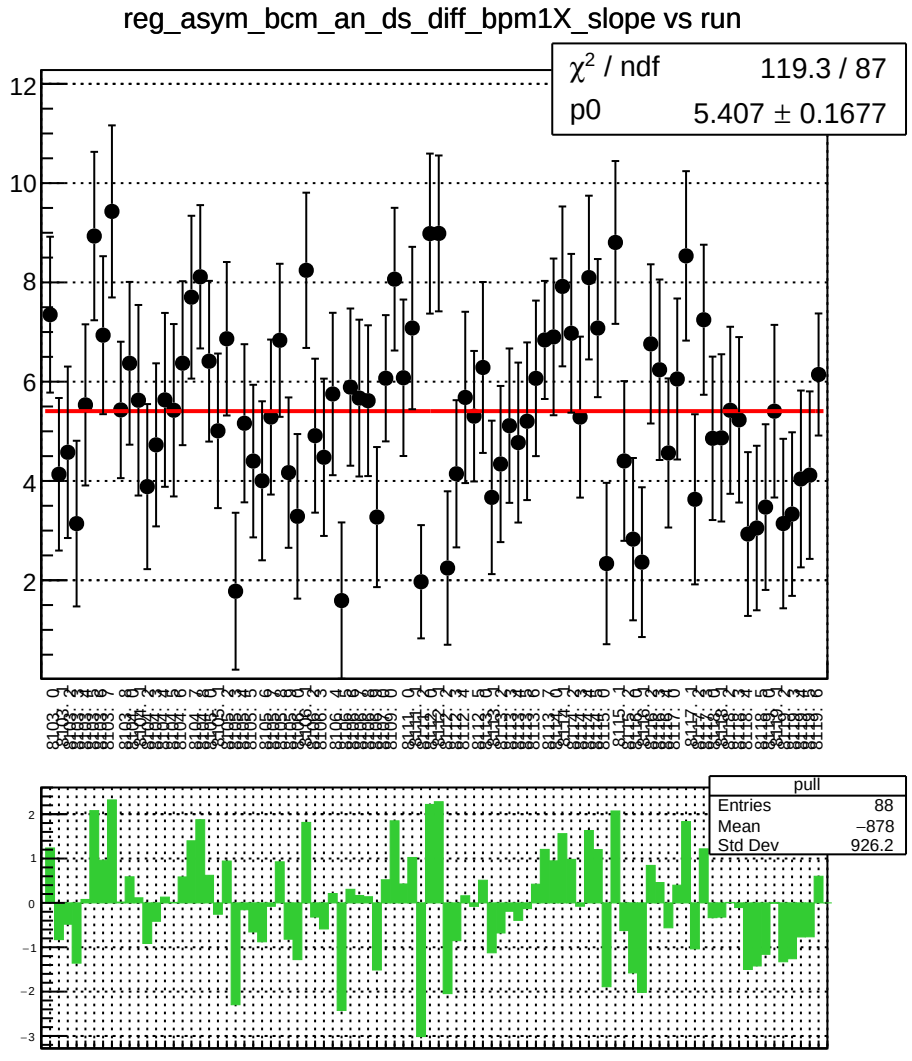

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 117.1 / 87
p0 −4.846 ± 0.1602
pull
Entries 88
Mean −1491
Std Dev 1544
pull1D
Entries 88
Mean −0.002359
Std Dev 1.153

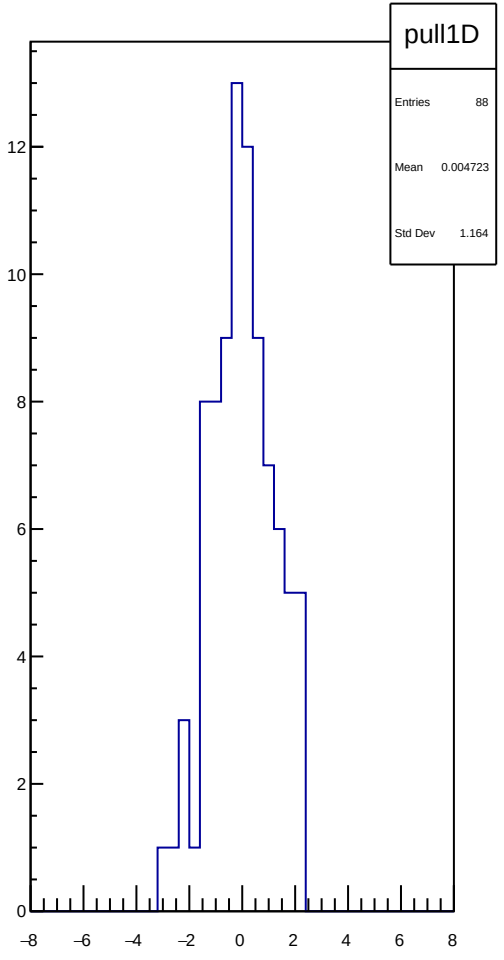

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 111.3 / 87
p0 −1.098 ± 0.2703
pull
Entries 88
Mean 550.1
Std Dev 500.6

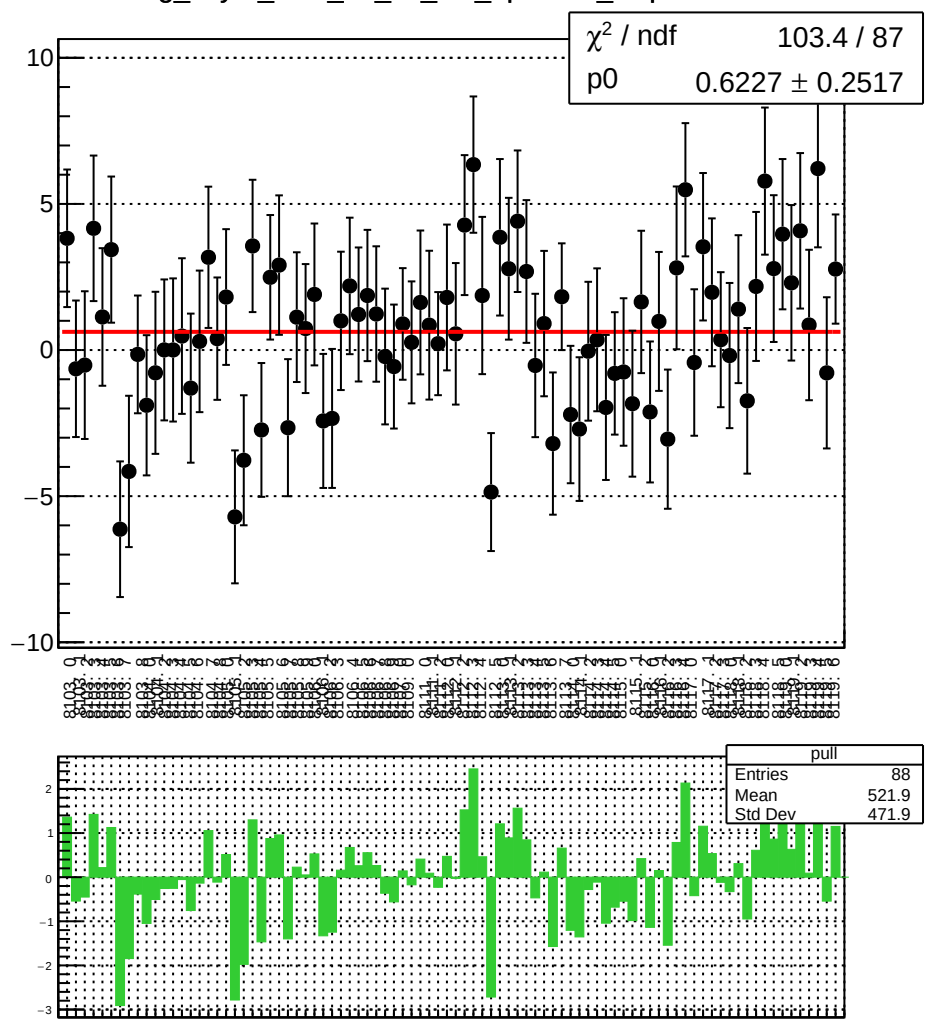

pull1D
Entries 88
Mean −0.01546
Std Dev 1.125

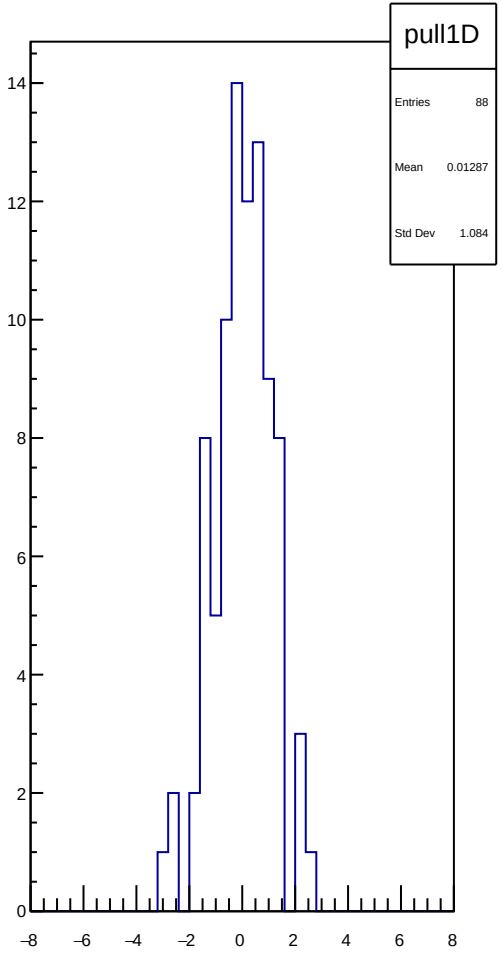

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 96.55 / 87
p0 0.1106 ± 0.01015
pull
Entries 88
Mean −478.6
Std Dev 515.6

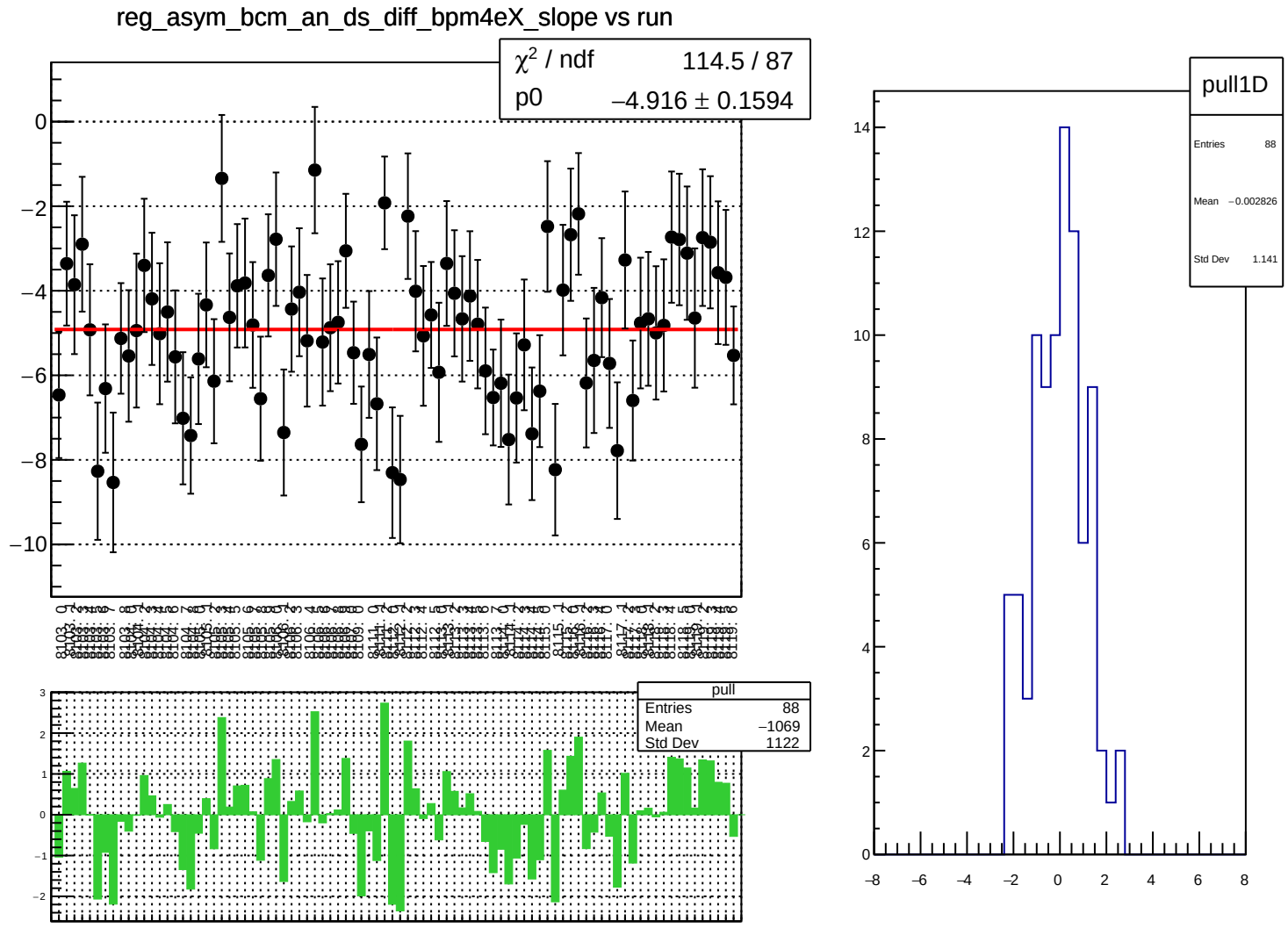

pull1D
Entries 88
Mean 0.01671
Std Dev 1.047

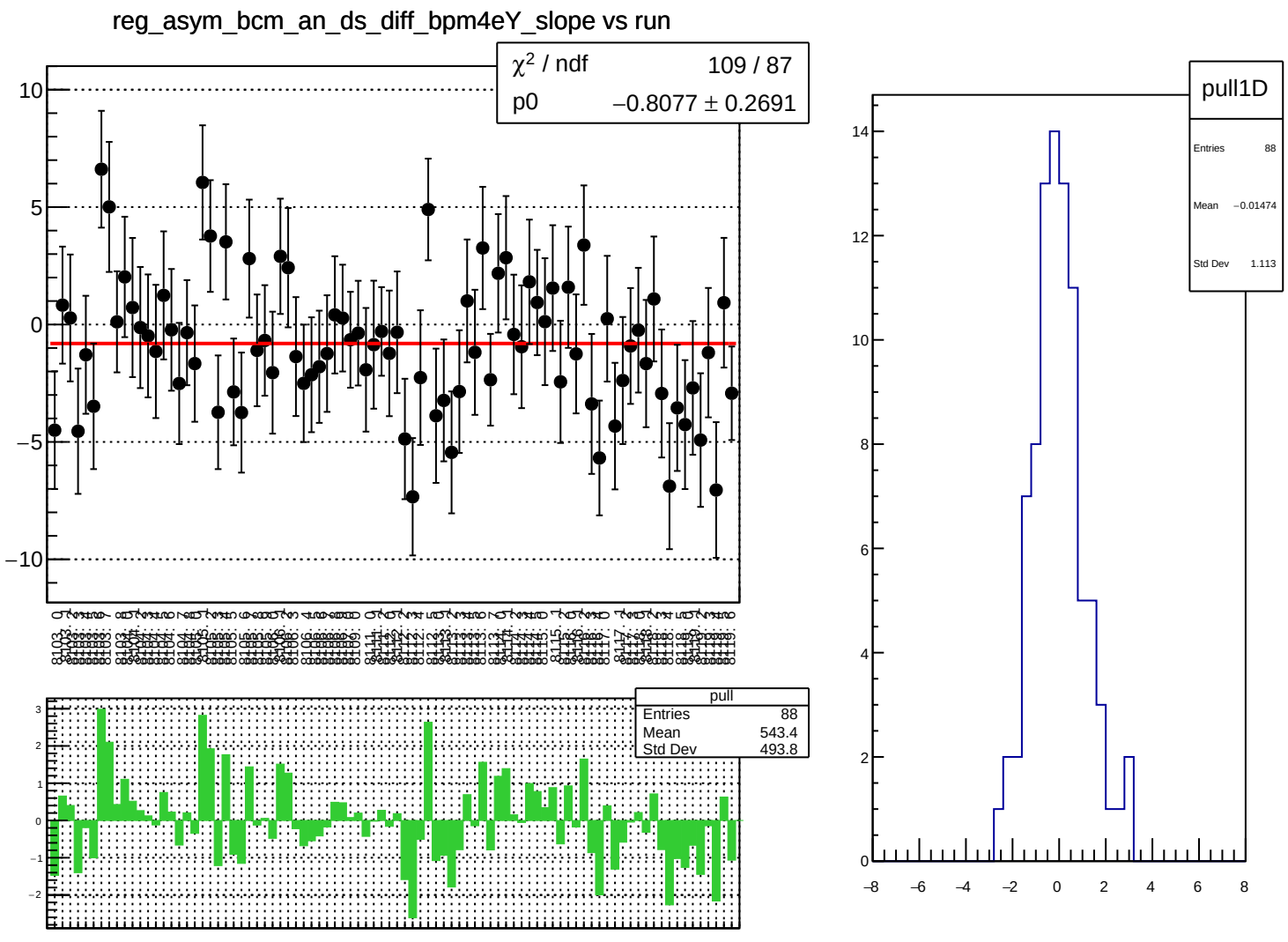

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 119.3 / 87
p0 5.407 ± 0.1677
pull
Entries 88
Mean −878
Std Dev 926.2

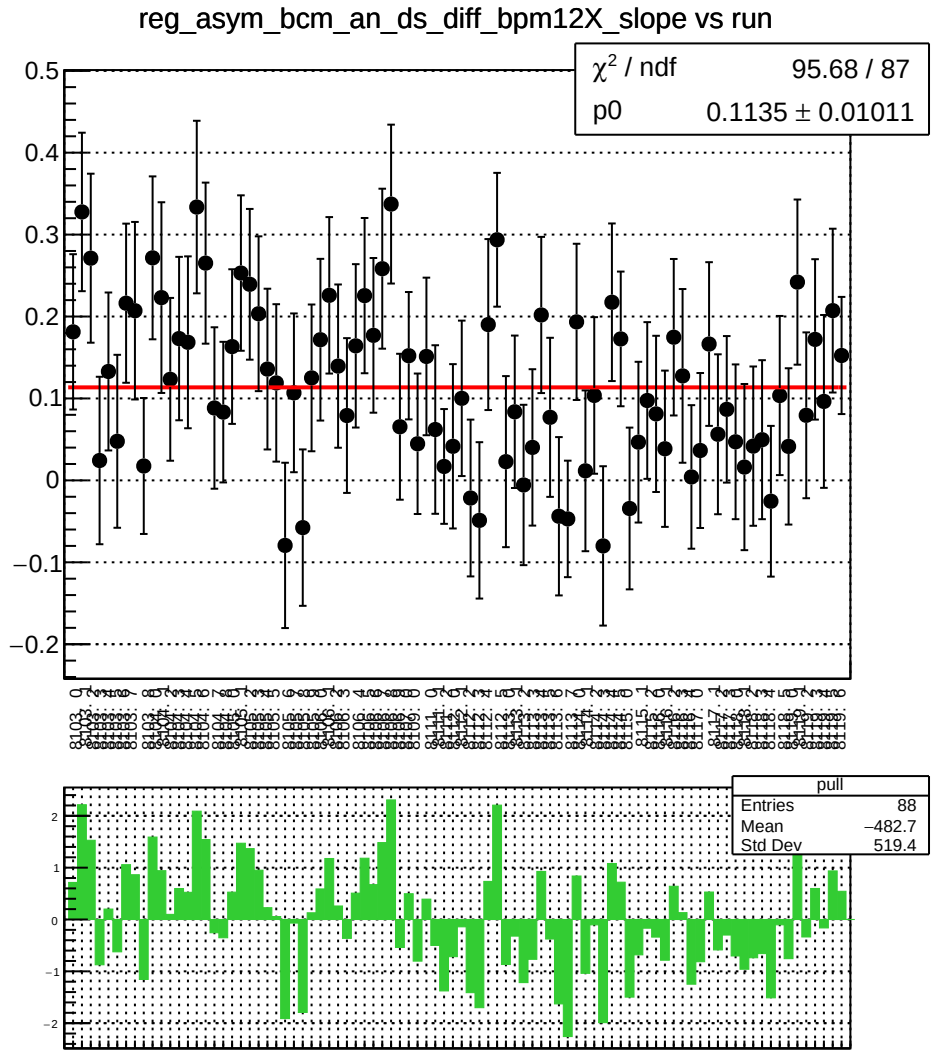

pull1D
Entries 88
Mean 0.004723
Std Dev 1.164

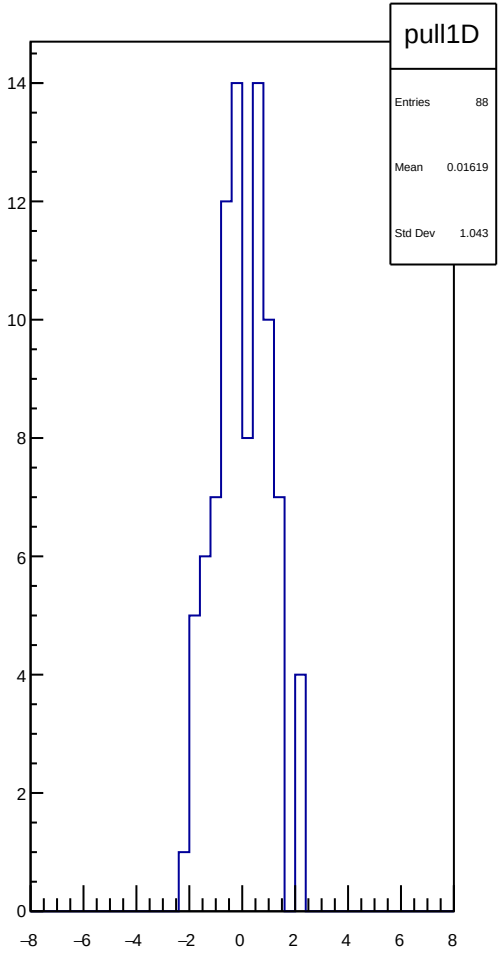

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 103.4 / 87
p0 0.6227 ± 0.2517
pull
Entries 88
Mean 521.9
Std Dev 471.9

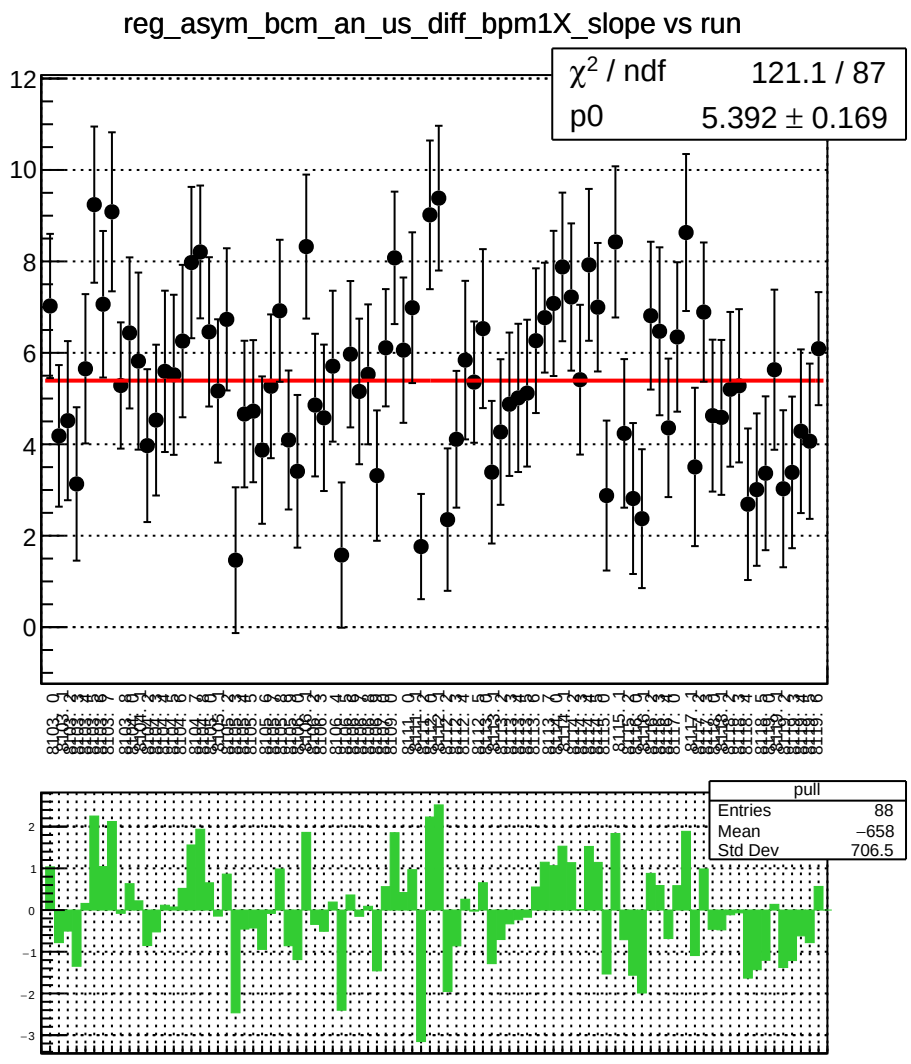

pull1D
Entries 88
Mean 0.01287
Std Dev 1.084

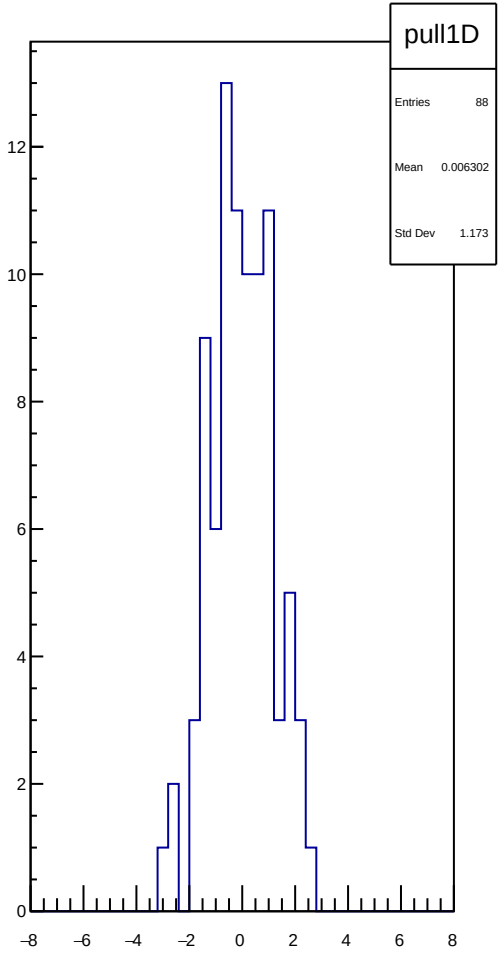

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 114.5 / 87
p0 −4.916 ± 0.1594
pull
Entries 88
Mean −1069
Std Dev 1122
pull1D
Entries 88
Mean −0.002826
Std Dev 1.141

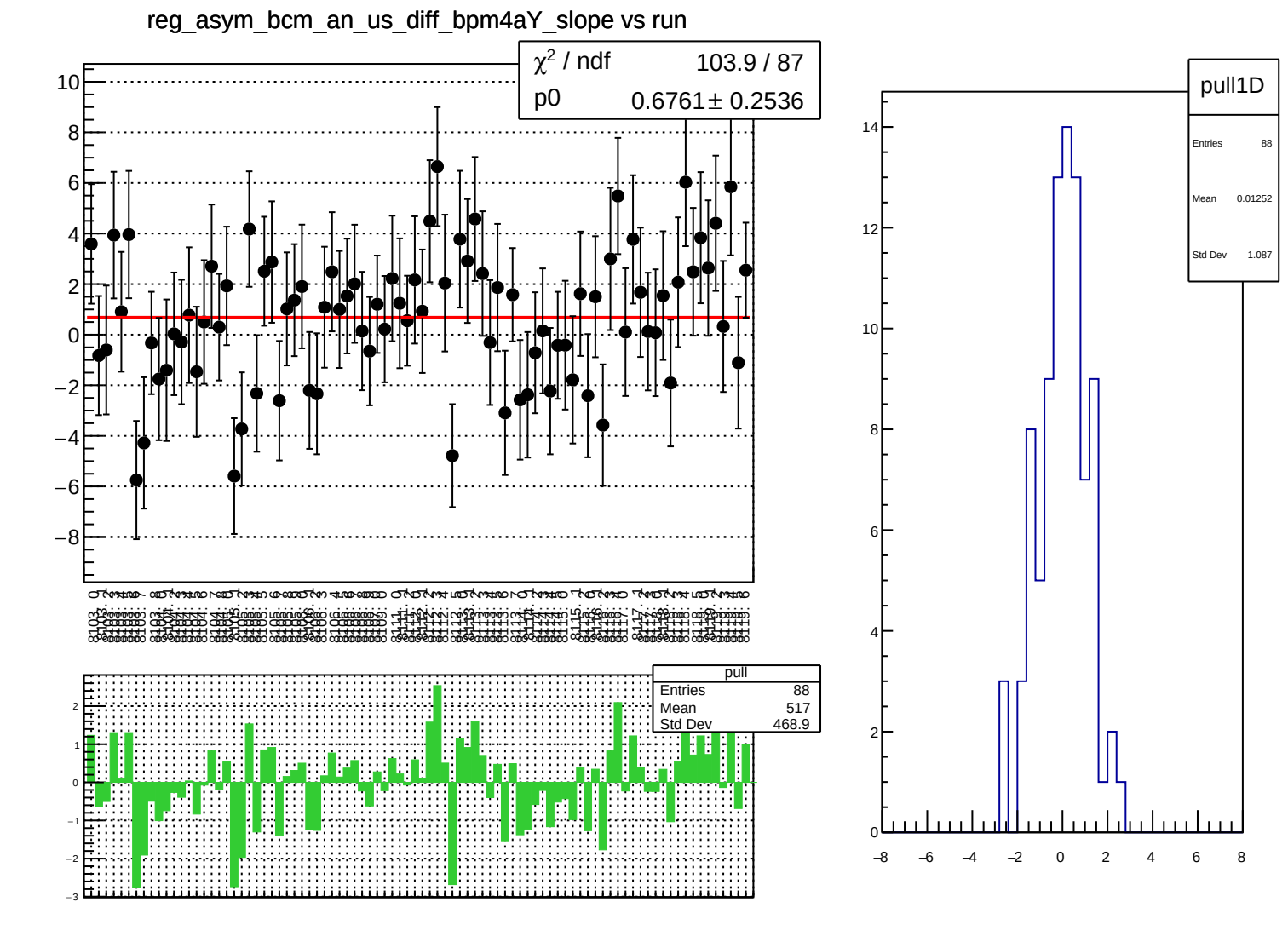

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 109 / 87
p0 −0.8077 ± 0.2691
pull
Entries 88
Mean 543.4
Std Dev 493.8
pull1D
Entries 88
Mean −0.01474
Std Dev 1.113

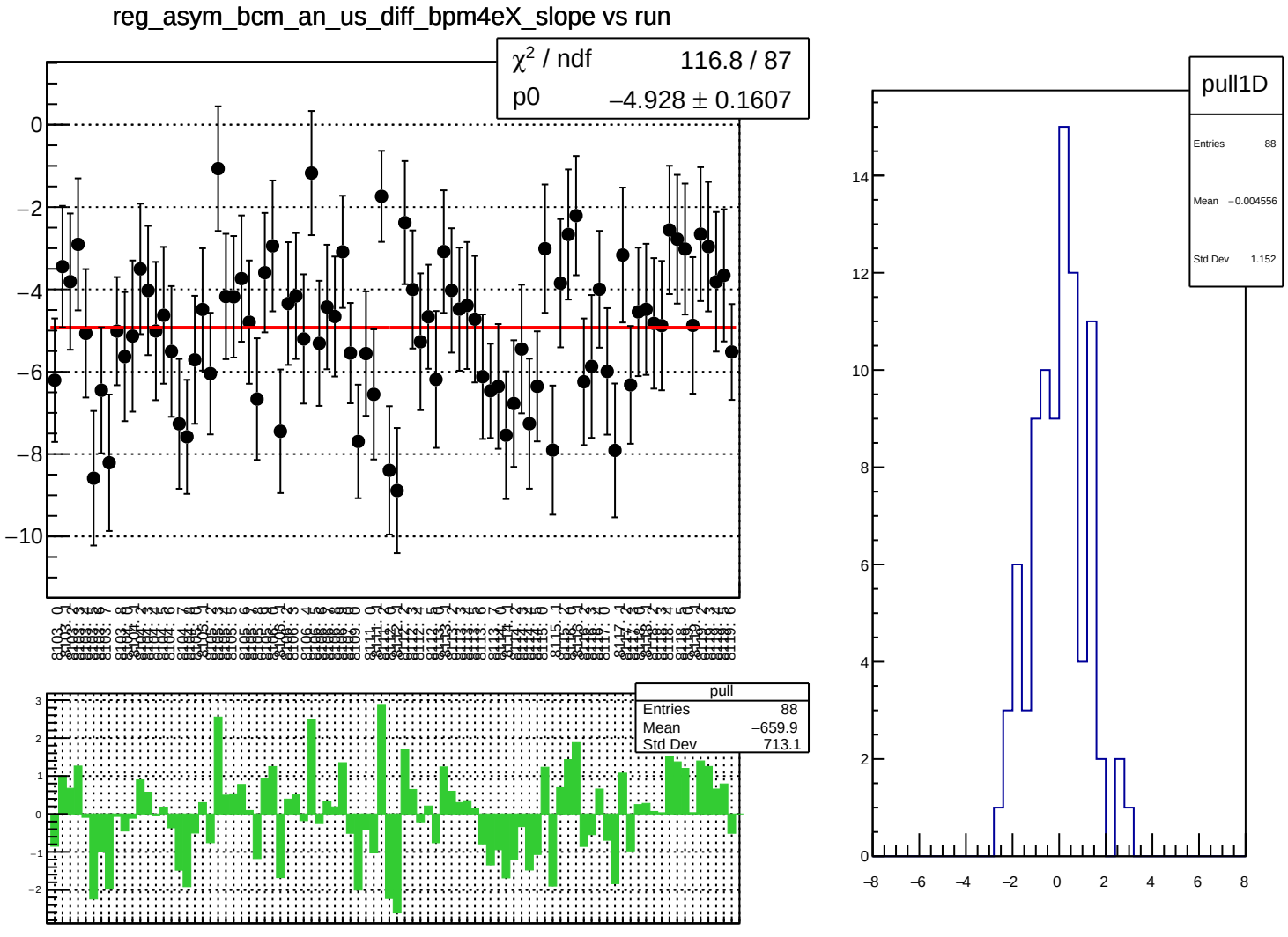

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 95.68 / 87
p0 0.1135 ± 0.01011
pull
Entries 88
Mean −482.7
Std Dev 519.4

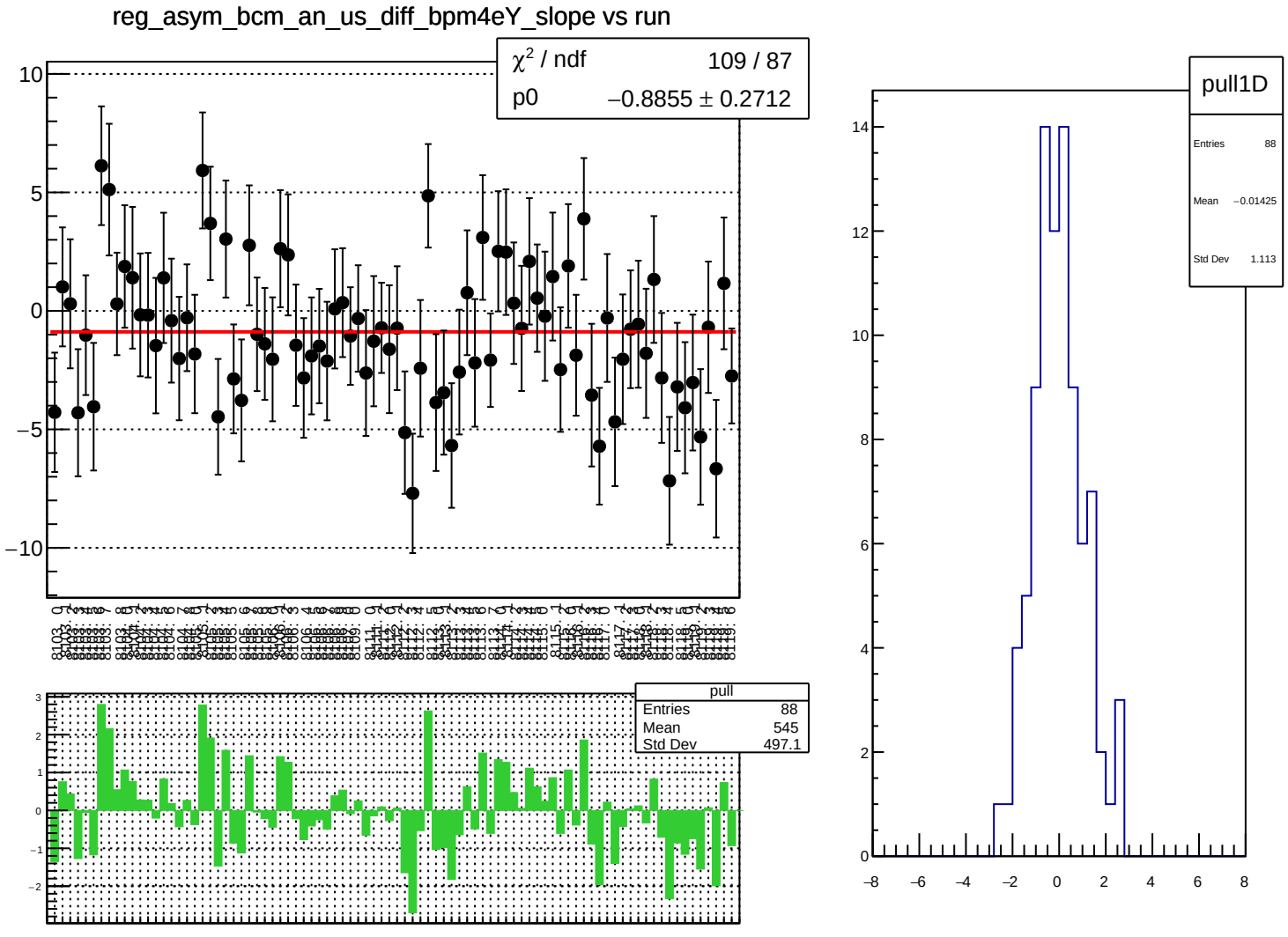

pull1D
Entries 88
Mean 0.01619
Std Dev 1.043

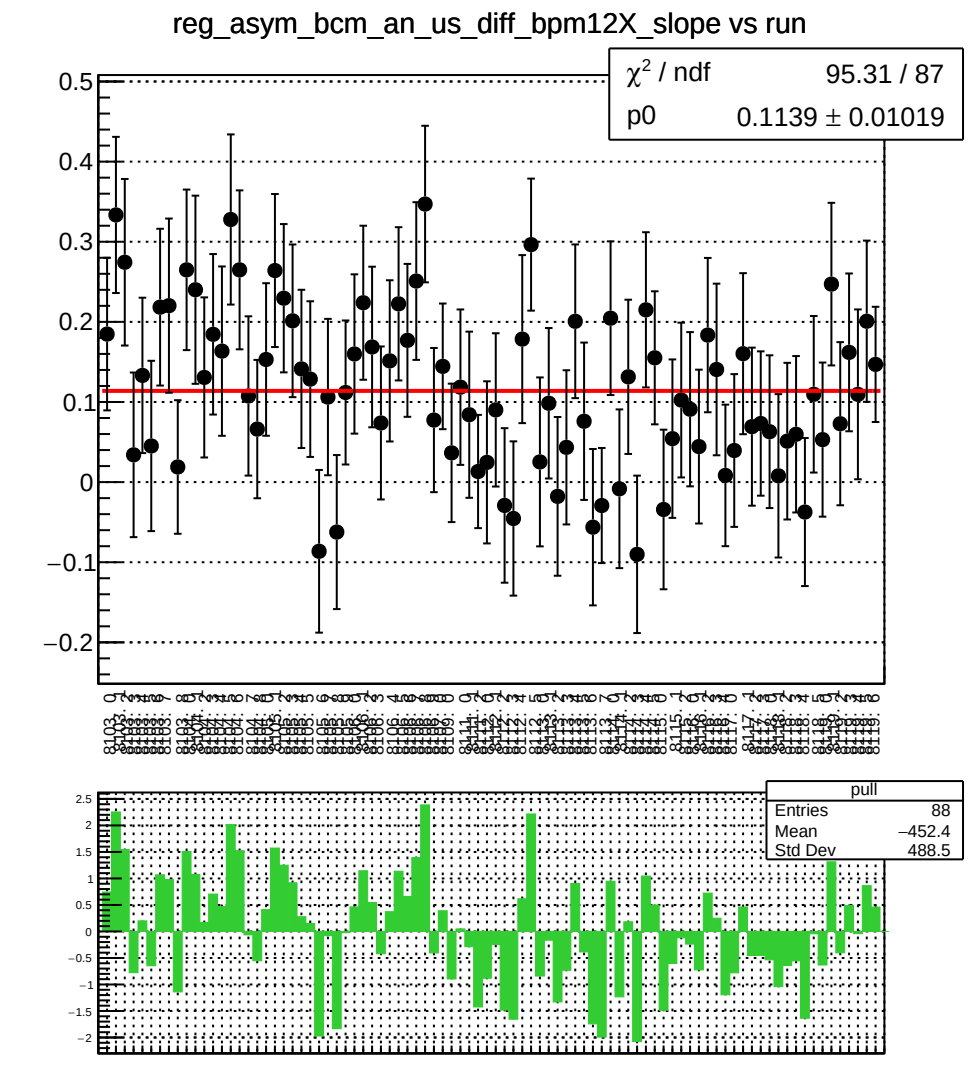

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 121.1 / 87
p0 5.392 ± 0.169
pull
Entries 88
Mean −658
Std Dev 706.5

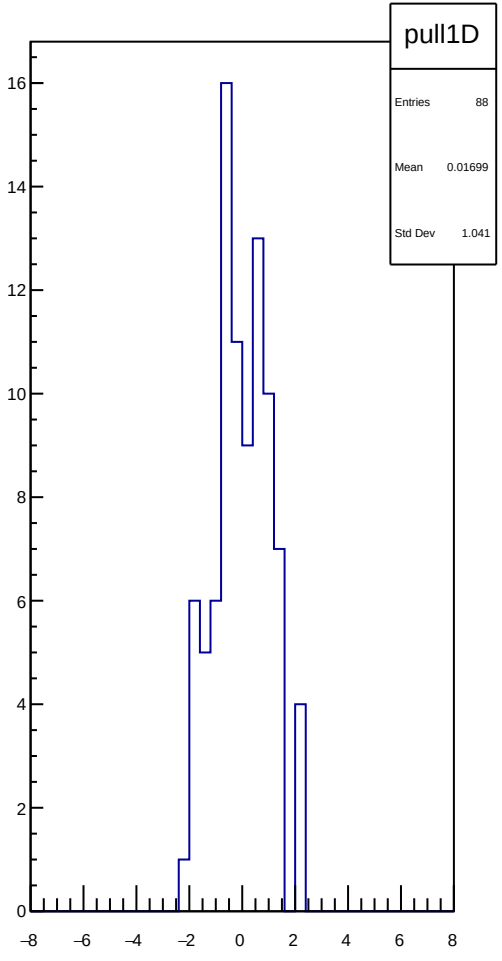

pull1D
Entries 88
Mean 0.006302
Std Dev 1.173

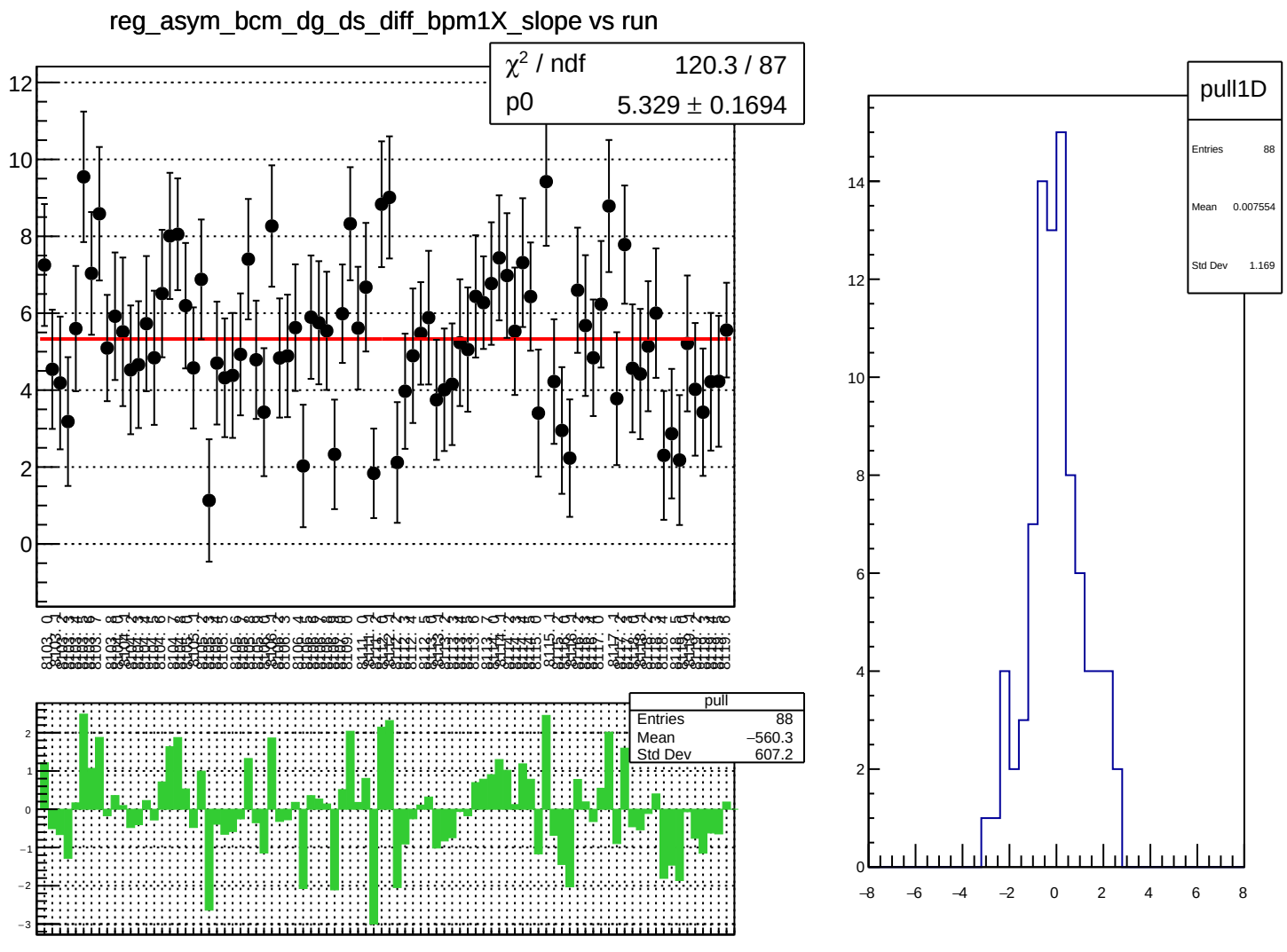

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 103.9 / 87
p0 0.6761 ± 0.2536
pull
Entries 88
Mean 517
Std Dev 468.9
pull1D
Entries 88
Mean 0.01252
Std Dev 1.087

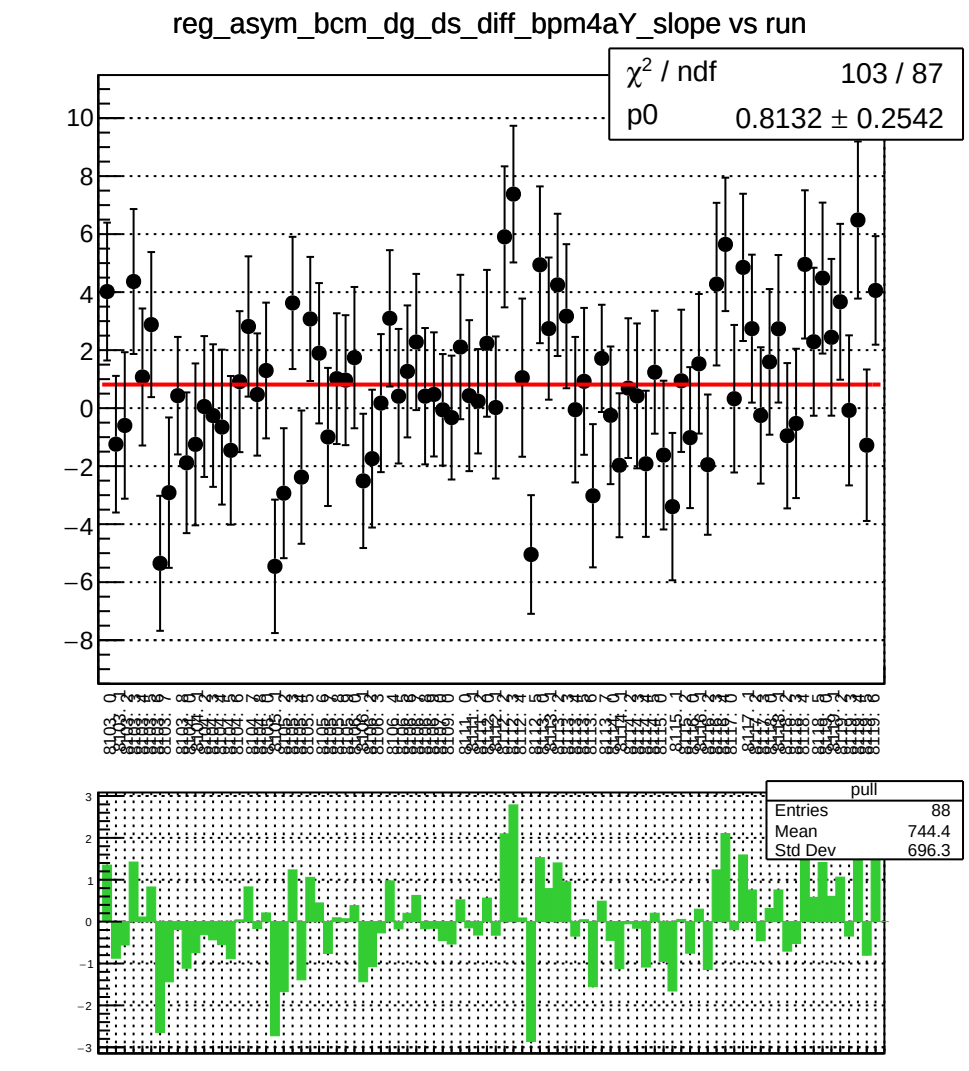

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 116.8 / 87
p0 −4.928 ± 0.1607
pull
Entries 88
Mean −659.9
Std Dev 713.1
pull1D
Entries 88
Mean −0.004556
Std Dev 1.152

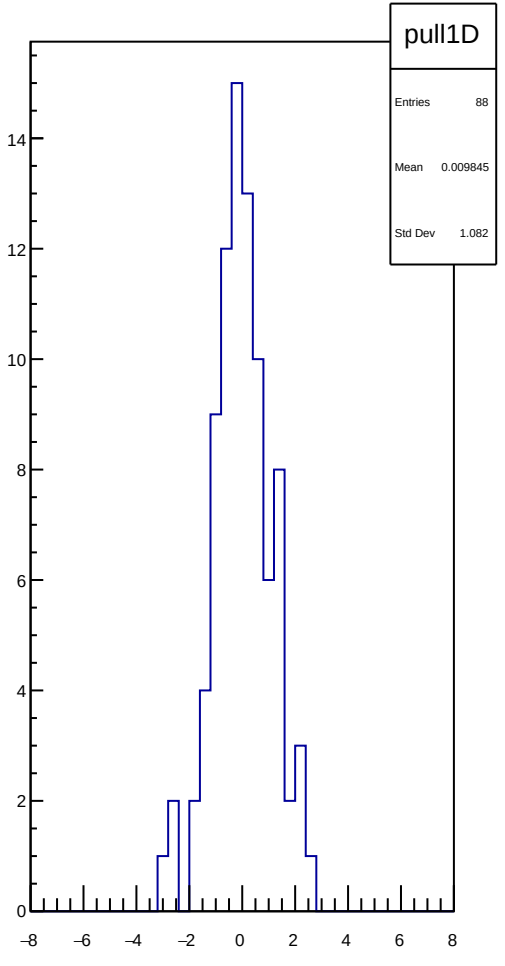

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 109 / 87
p0 −0.8855 ± 0.2712
pull
Entries 88
Mean 545
Std Dev 497.1
pull1D
Entries 88
Mean −0.01425
Std Dev 1.113

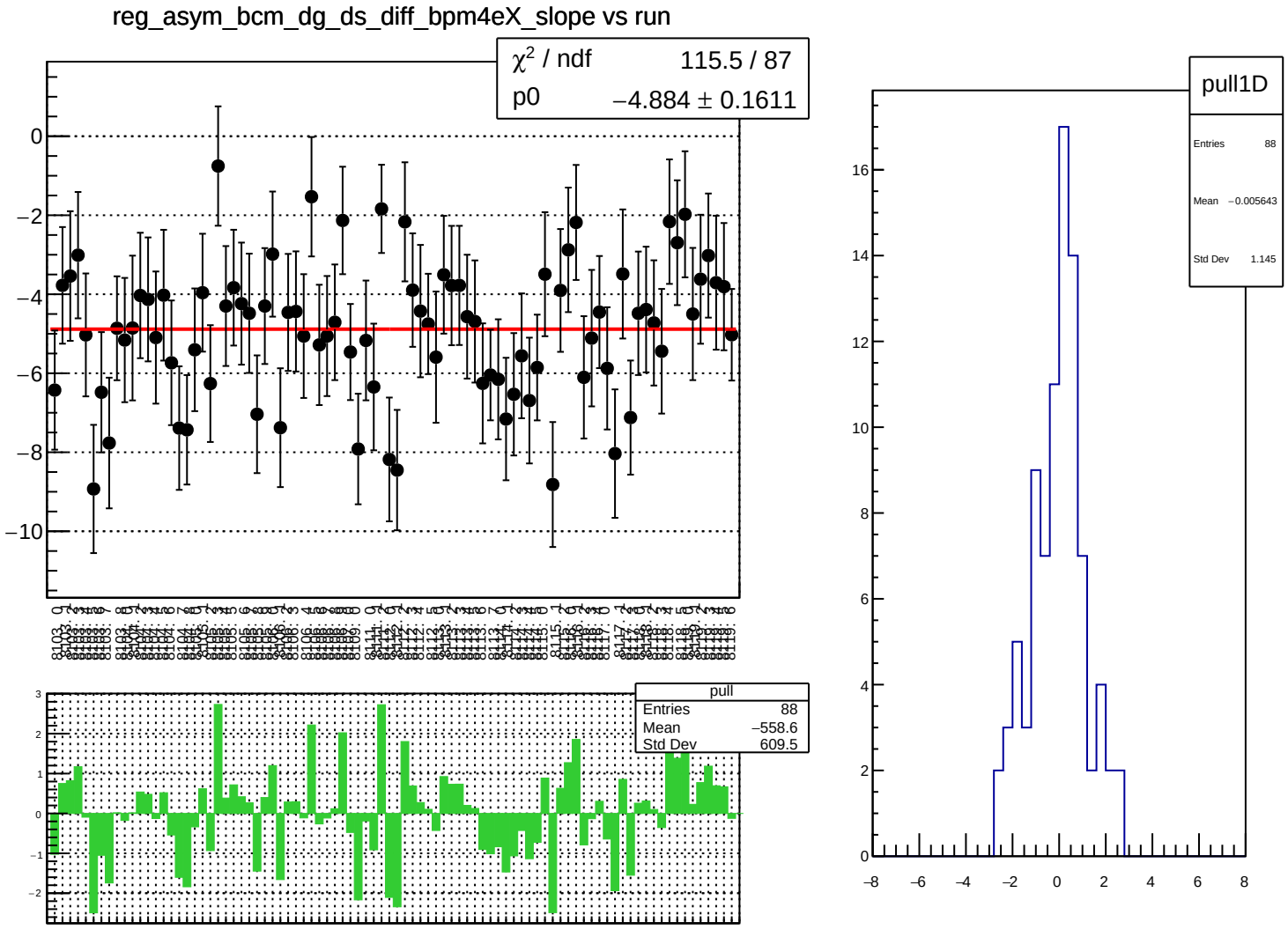

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 95.31 / 87
p0 0.1139 ± 0.01019
pull
Entries 88
Mean −452.4
Std Dev 488.5

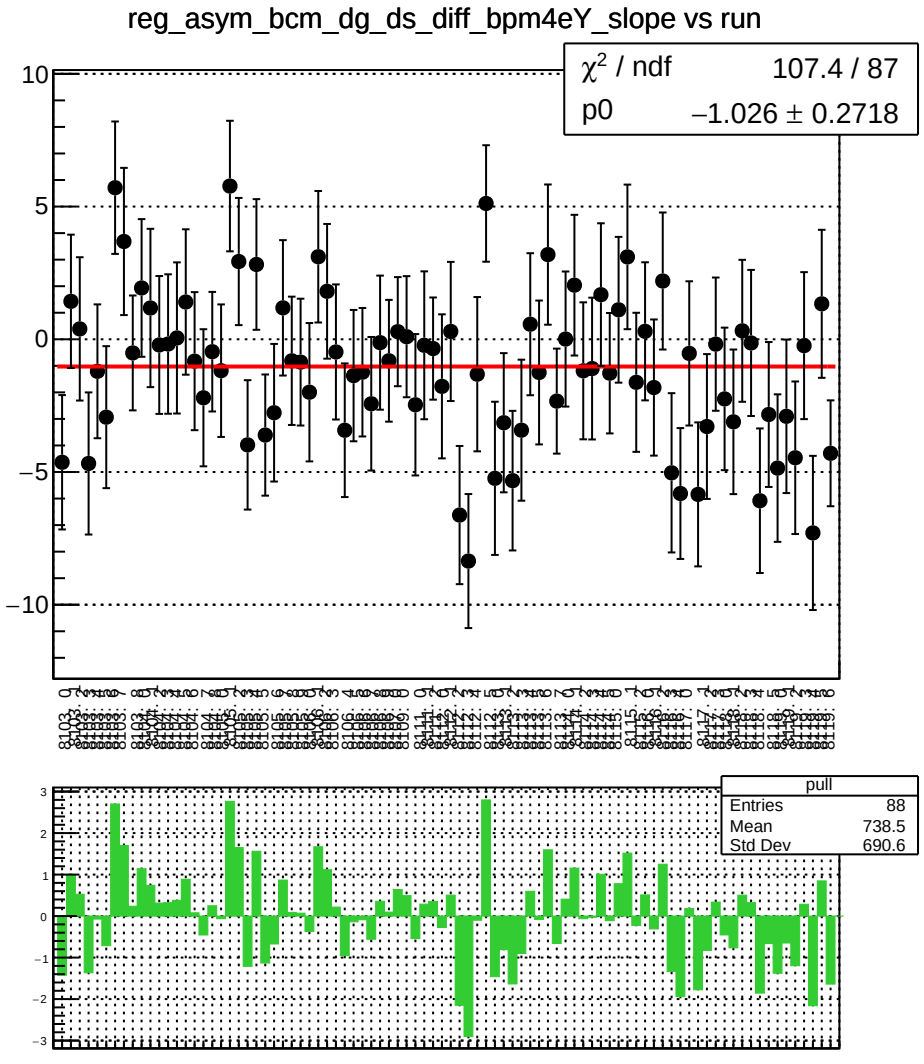

pull1D
Entries 88
Mean 0.01699
Std Dev 1.041

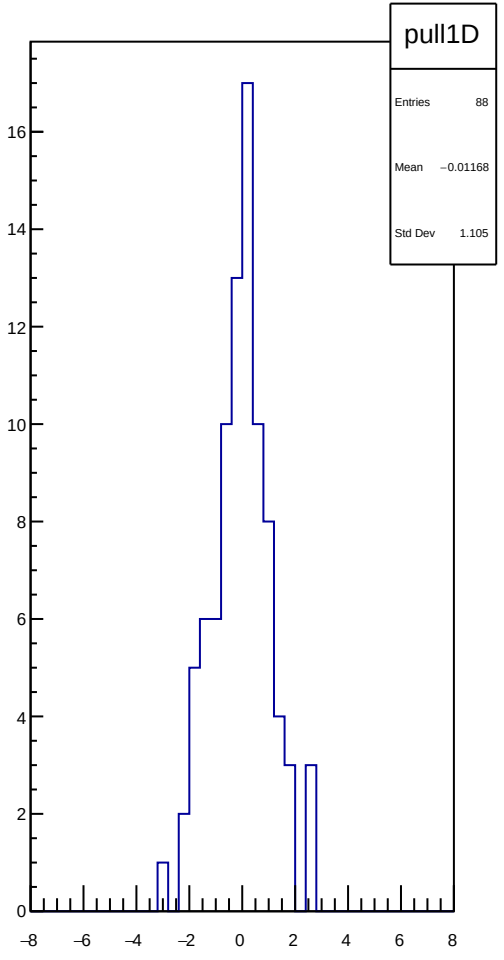

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 120.3 / 87
p0 5.329 ± 0.1694
pull
Entries 88
Mean −560.3
Std Dev 607.2
pull1D
Entries 88
Mean 0.007554
Std Dev 1.169

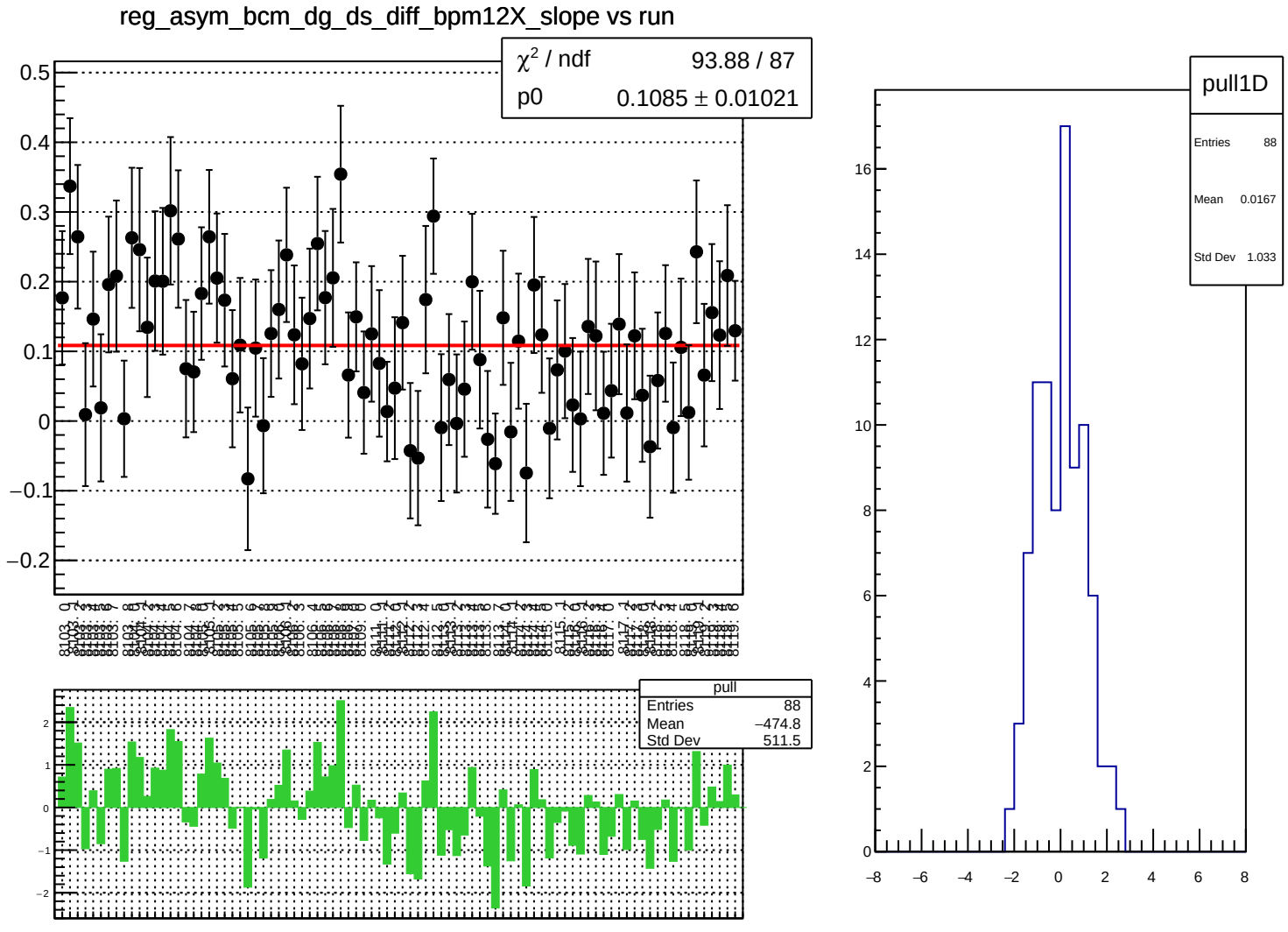

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 103 / 87
p0 0.8132 ± 0.2542
pull
Entries 88
Mean 744.4
Std Dev 696.3

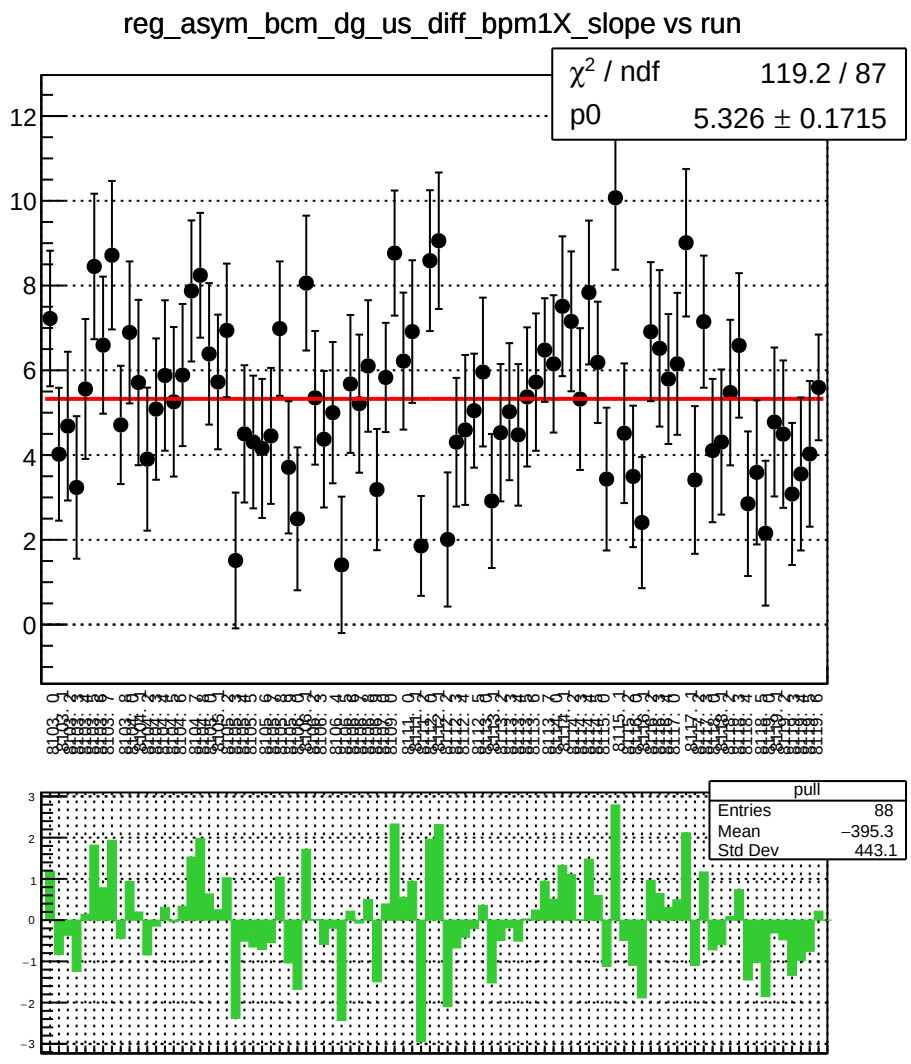

pull1D
Entries 88
Mean 0.009845
Std Dev 1.082

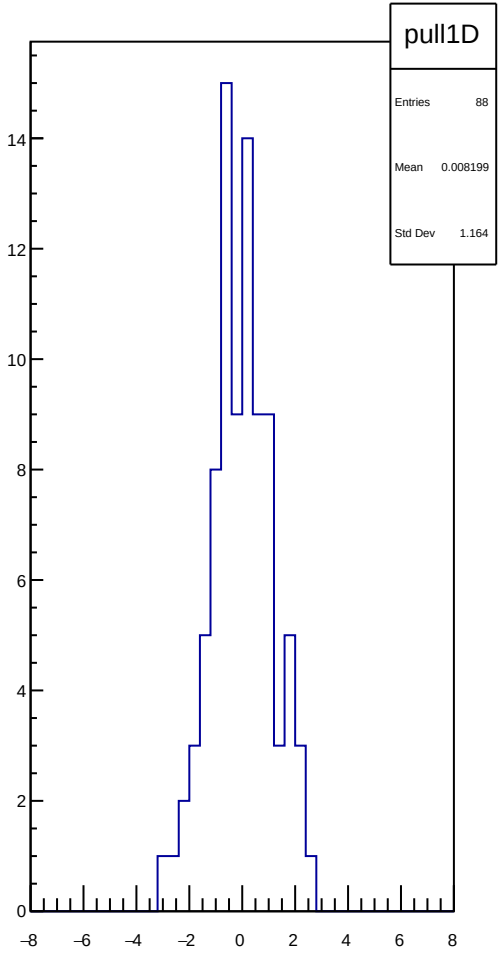

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 115.5 / 87
p0 −4.884 ± 0.1611
pull
Entries 88
Mean −558.6
Std Dev 609.5
pull1D
Entries 88
Mean −0.005643
Std Dev 1.145

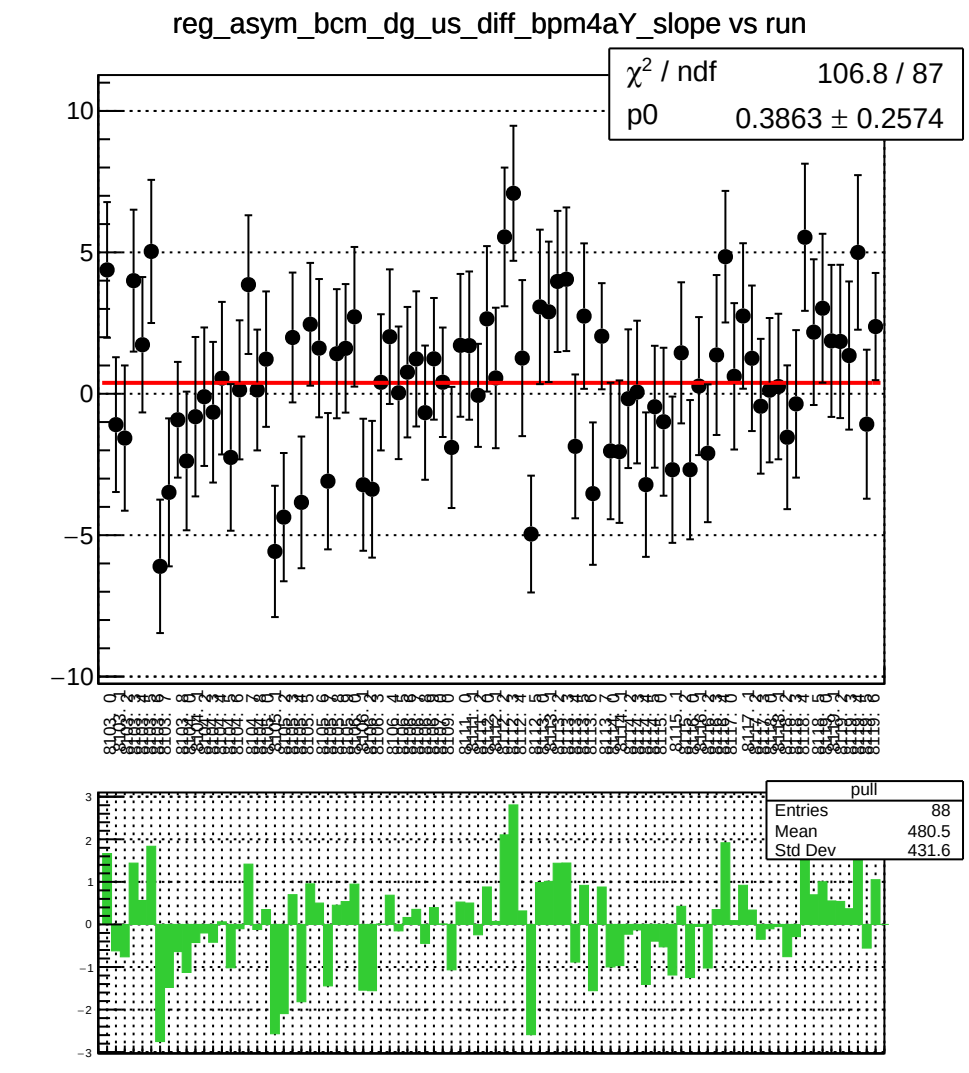

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 107.4 / 87
p0 −1.026 ± 0.2718
pull
Entries 88
Mean 738.5
Std Dev 690.6

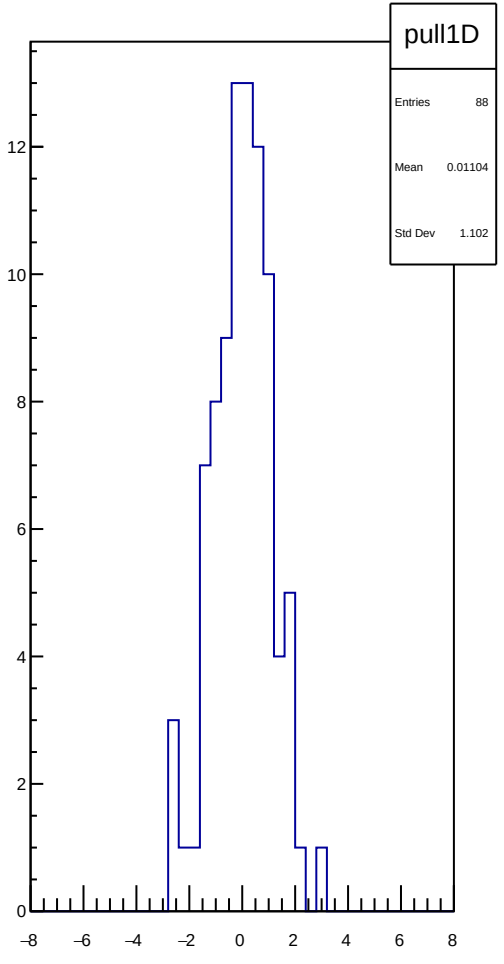

pull1D
Entries 88
Mean −0.01168
Std Dev 1.105

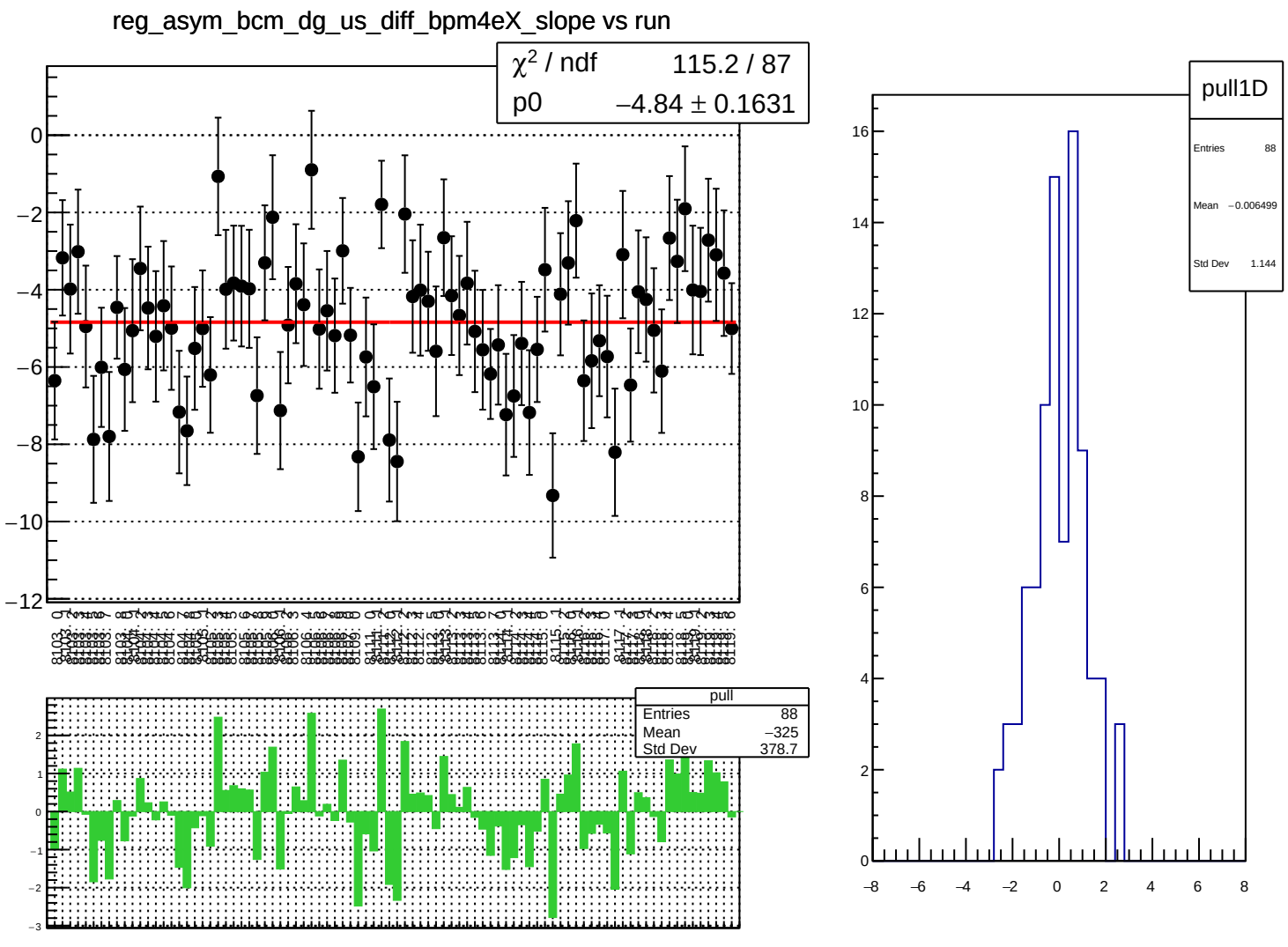

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 93.88 / 87
p0 0.1085 ± 0.01021
pull
Entries 88
Mean −474.8
Std Dev 511.5
pull1D
Entries 88
Mean 0.0167
Std Dev 1.033

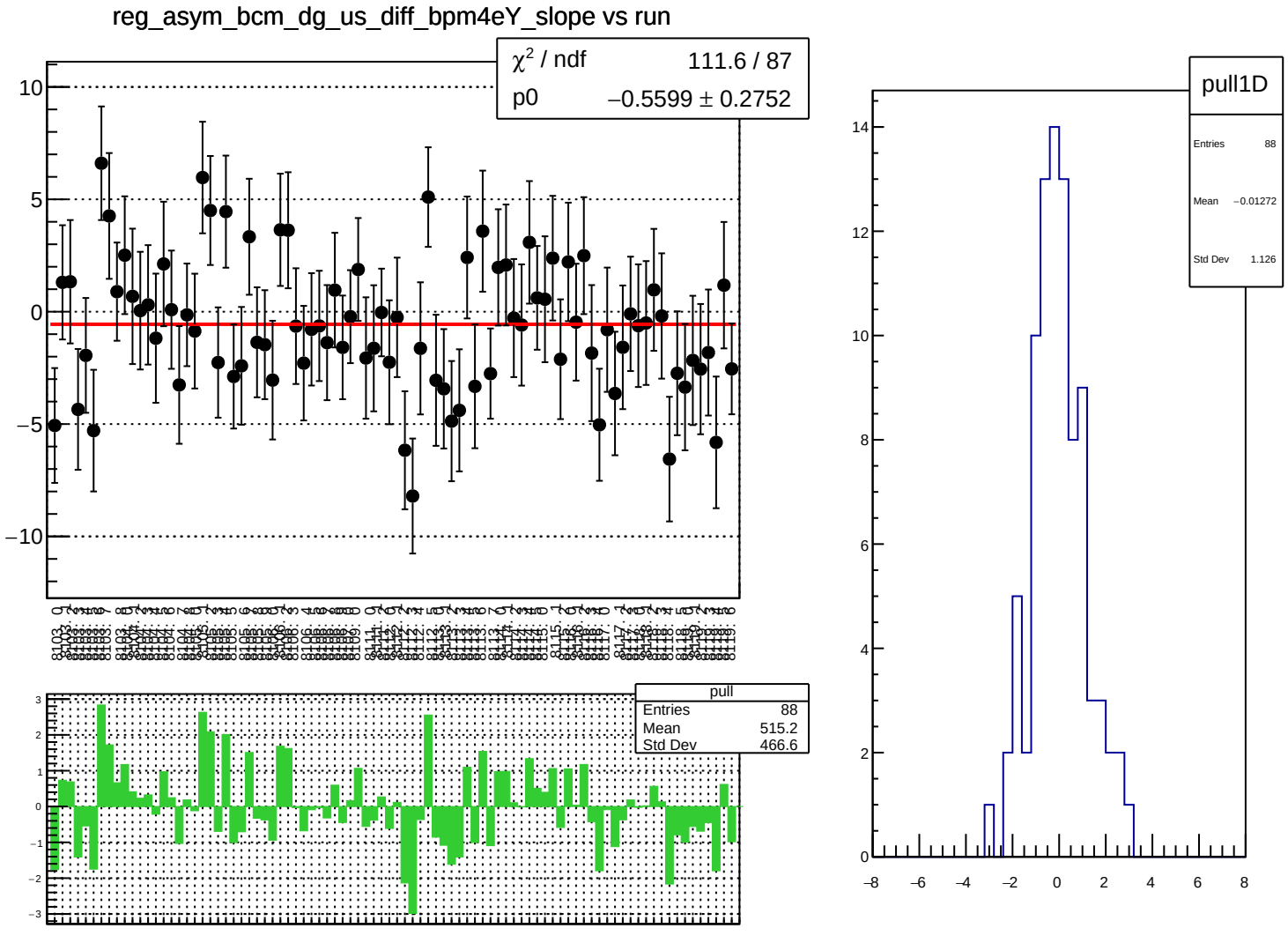

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 119.2 / 87
p0 5.326 ± 0.1715
pull
Entries 88
Mean −395.3
Std Dev 443.1

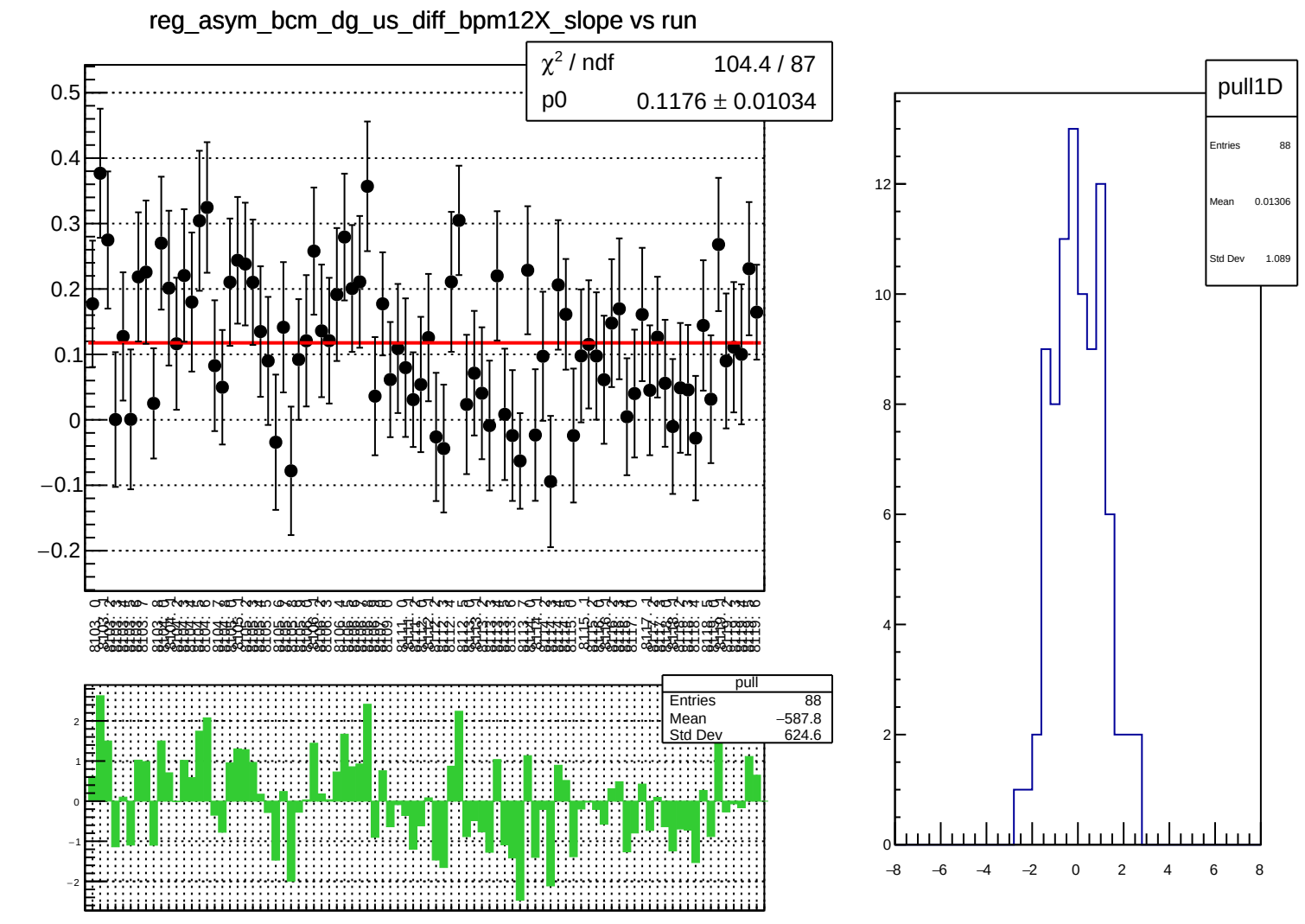

pull1D
Entries 88
Mean 0.008199
Std Dev 1.164


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 106.8 / 87
p0 0.3863 ± 0.2574
pull
Entries 88
Mean 480.5
Std Dev 431.6


pull1D
Entries 88
Mean 0.01104
Std Dev 1.102


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 115.2 / 87
p0 −4.84 ± 0.1631
pull
Entries 88
Mean −325
Std Dev 378.7
pull1D
Entries 88
Mean −0.006499
Std Dev 1.144


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 111.6 / 87
p0 −0.5599 ± 0.2752
pull
Entries 88
Mean 515.2
Std Dev 466.6
pull1D
Entries 88
Mean −0.01272
Std Dev 1.126


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 104.4 / 87
p0 0.1176 ± 0.01034
pull
Entries 88
Mean −587.8
Std Dev 624.6
pull1D
Entries 88
Mean 0.01306
Std Dev 1.089