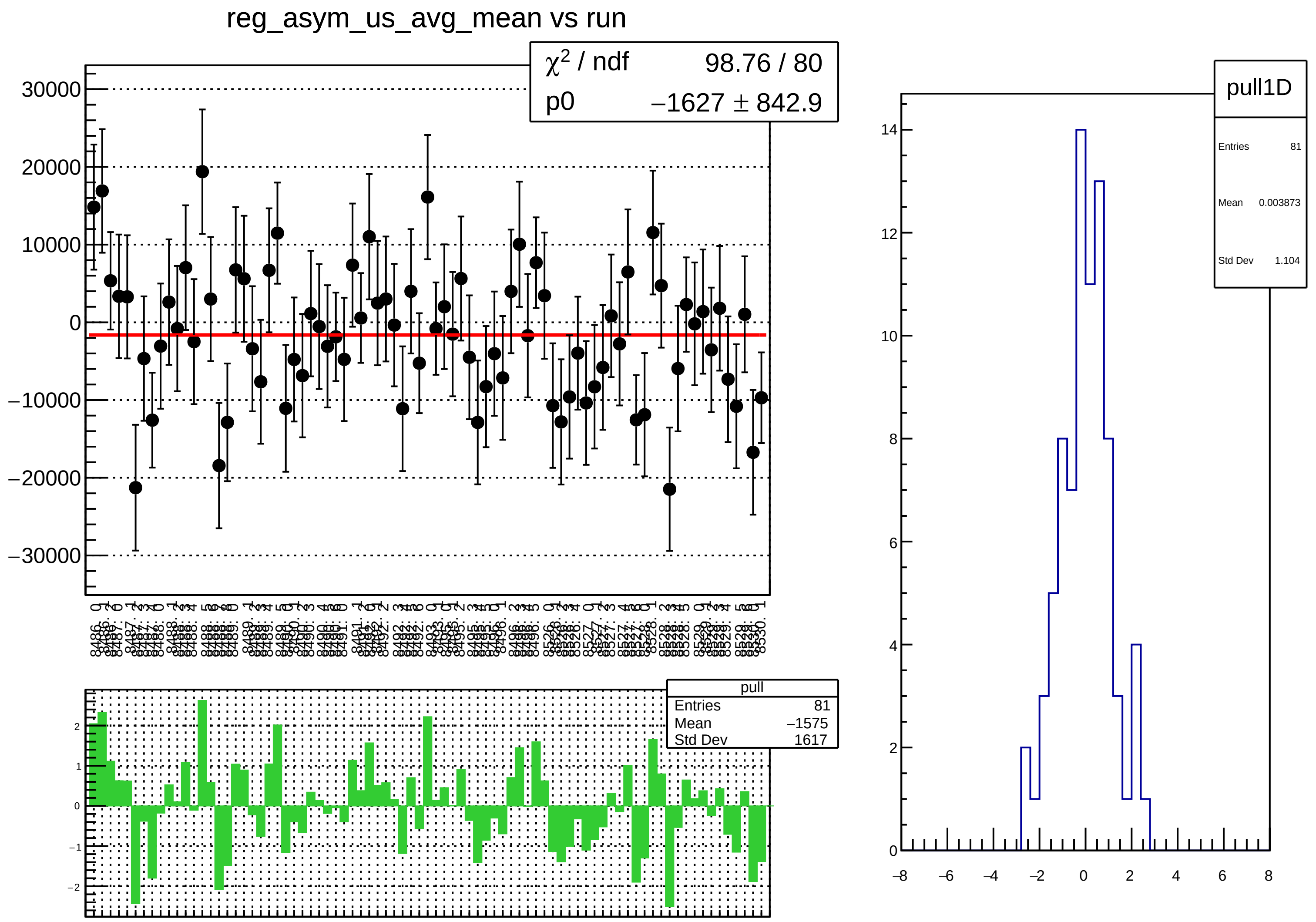
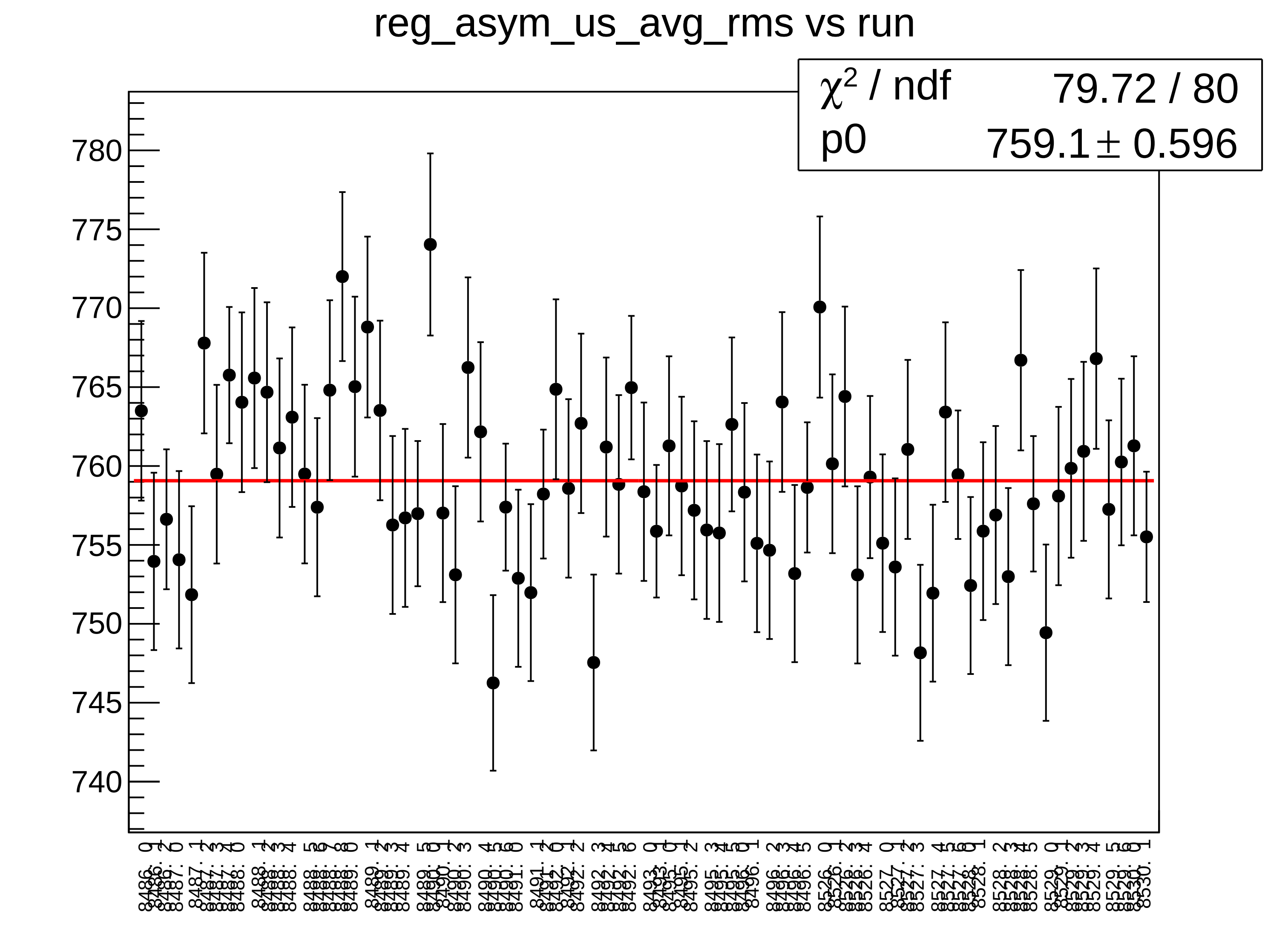
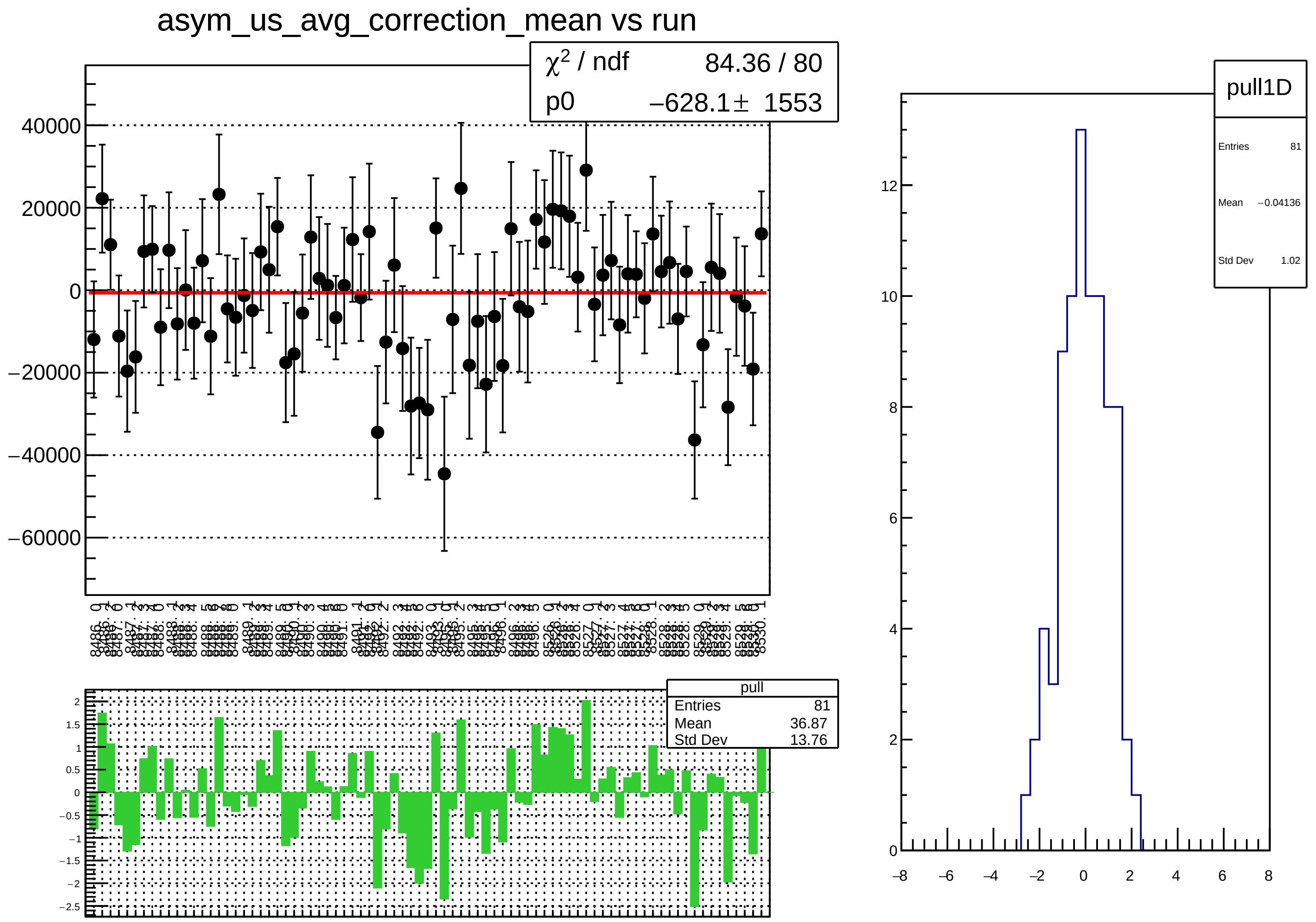
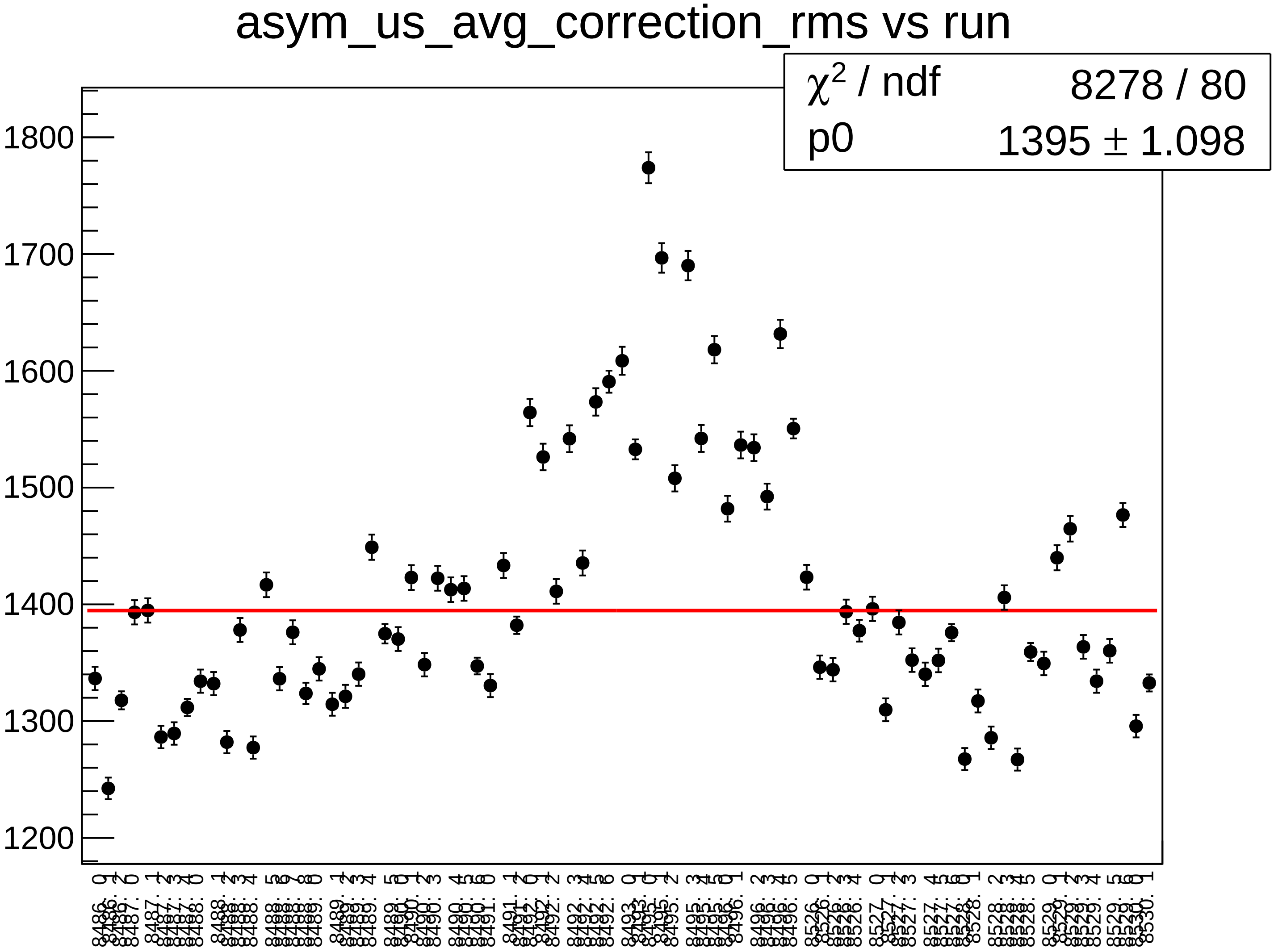


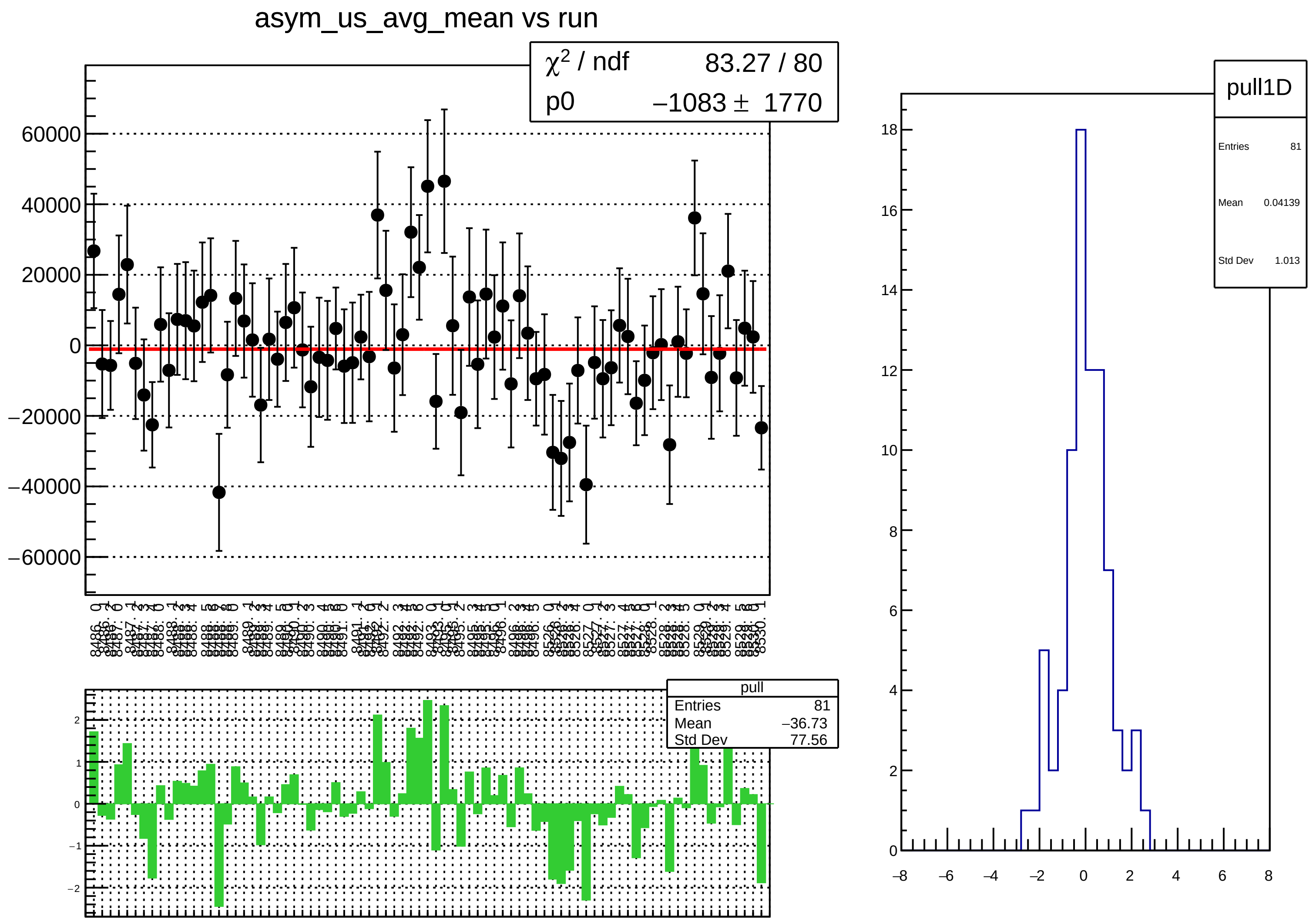
reg_asym_us_avg_mean vs run
χ2 / ndf 98.76 / 80
p0 −1627 ± 842.9
pull
Entries 81
Mean −1575
Std Dev 1617
pull1D
Entries 81
Mean 0.003873
Std Dev 1.104

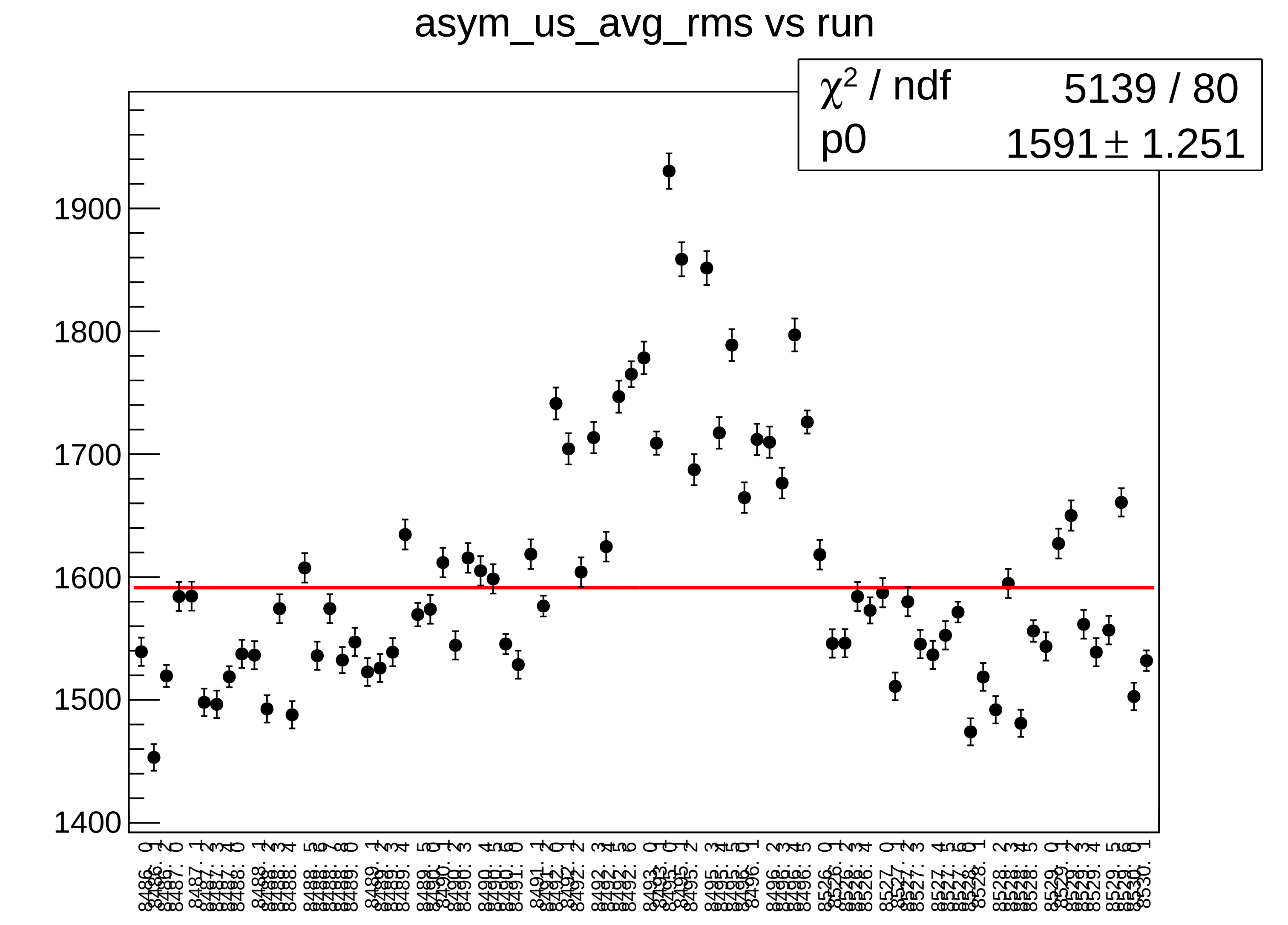

reg_asym_us_avg_rms vs run
χ2 / ndf 79.72 / 80
p0 759.1 ± 0.596



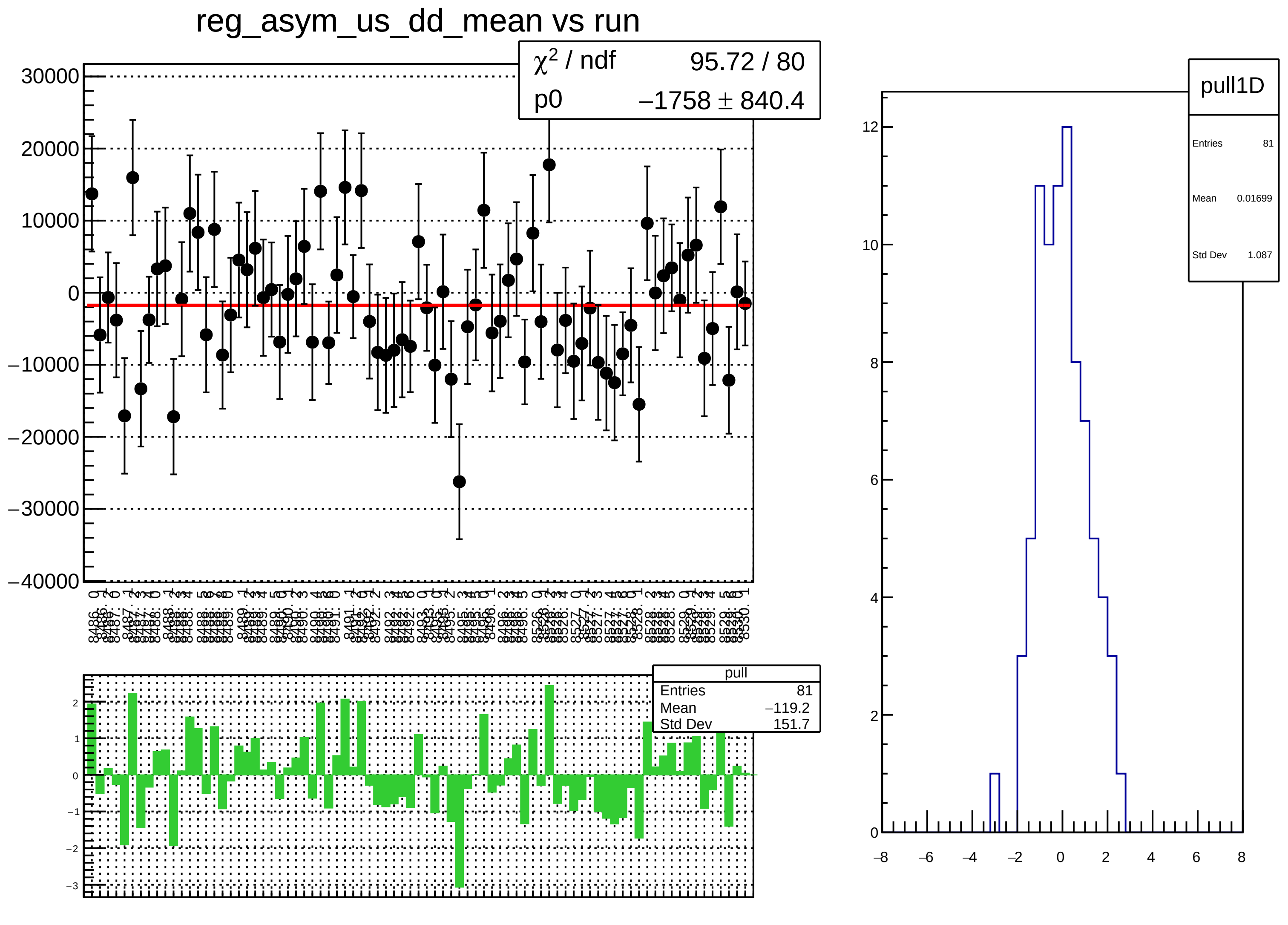
asym_us_avg_correction_mean vs run
χ^2 / ndf 84.36 / 80
p0 −628.1 ± 1553
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 36.87
Std Dev 13.76
pull1D
Entries 81
Mean −0.04136
Std Dev 1.02


asym_us_avg_correction_rms vs run
χ^2 / ndf 8278 / 80
p0 1395 ± 1.098
1800
1700
1600
1500
1400
1300
1200

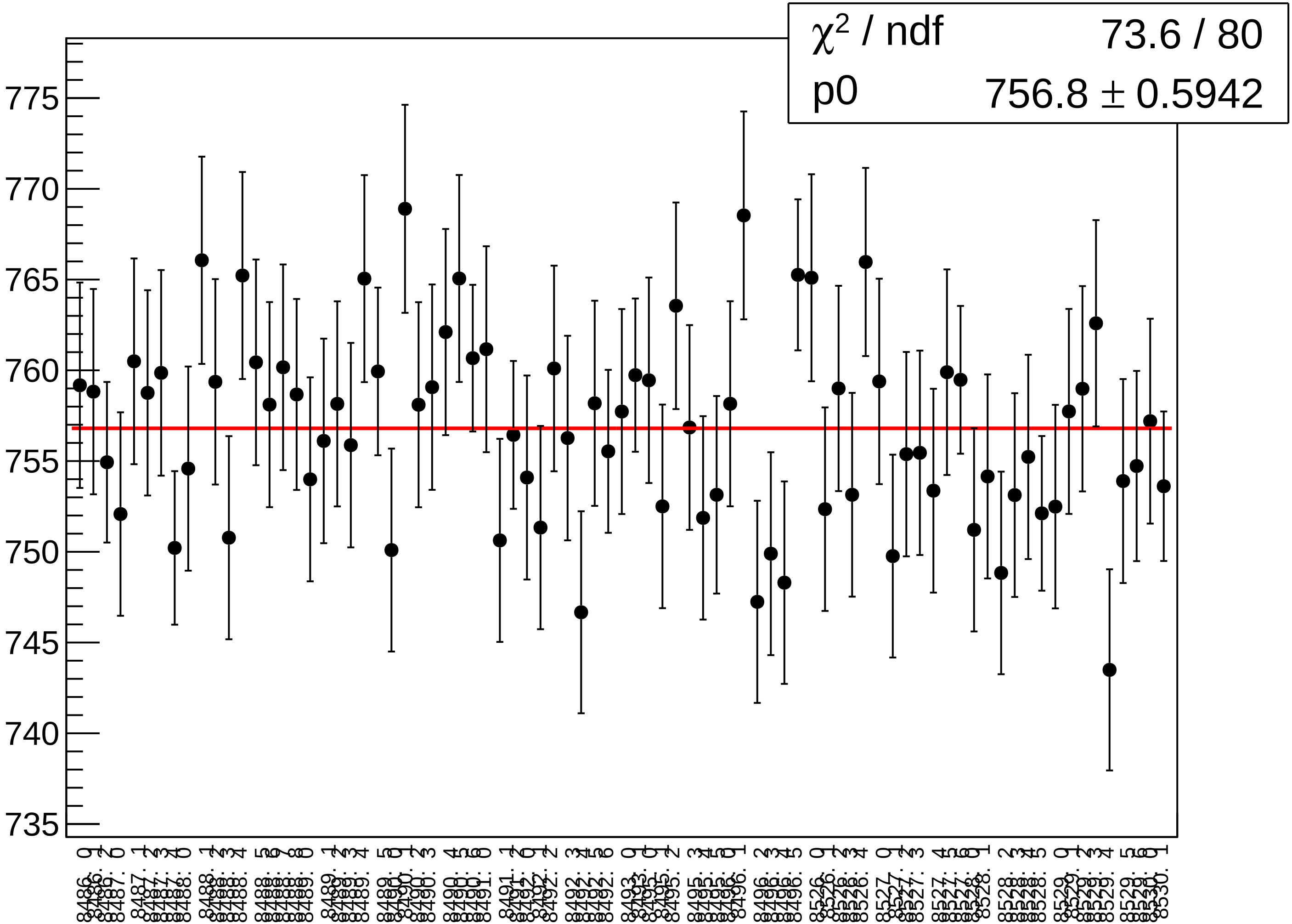

asym_us_avg_mean vs run
χ2 / ndf 83.27 / 80
p0 −1083 ± 1770
pull
Entries 81
Mean −36.73
Std Dev 77.56
pull1D
Entries 81
Mean 0.04139
Std Dev 1.013

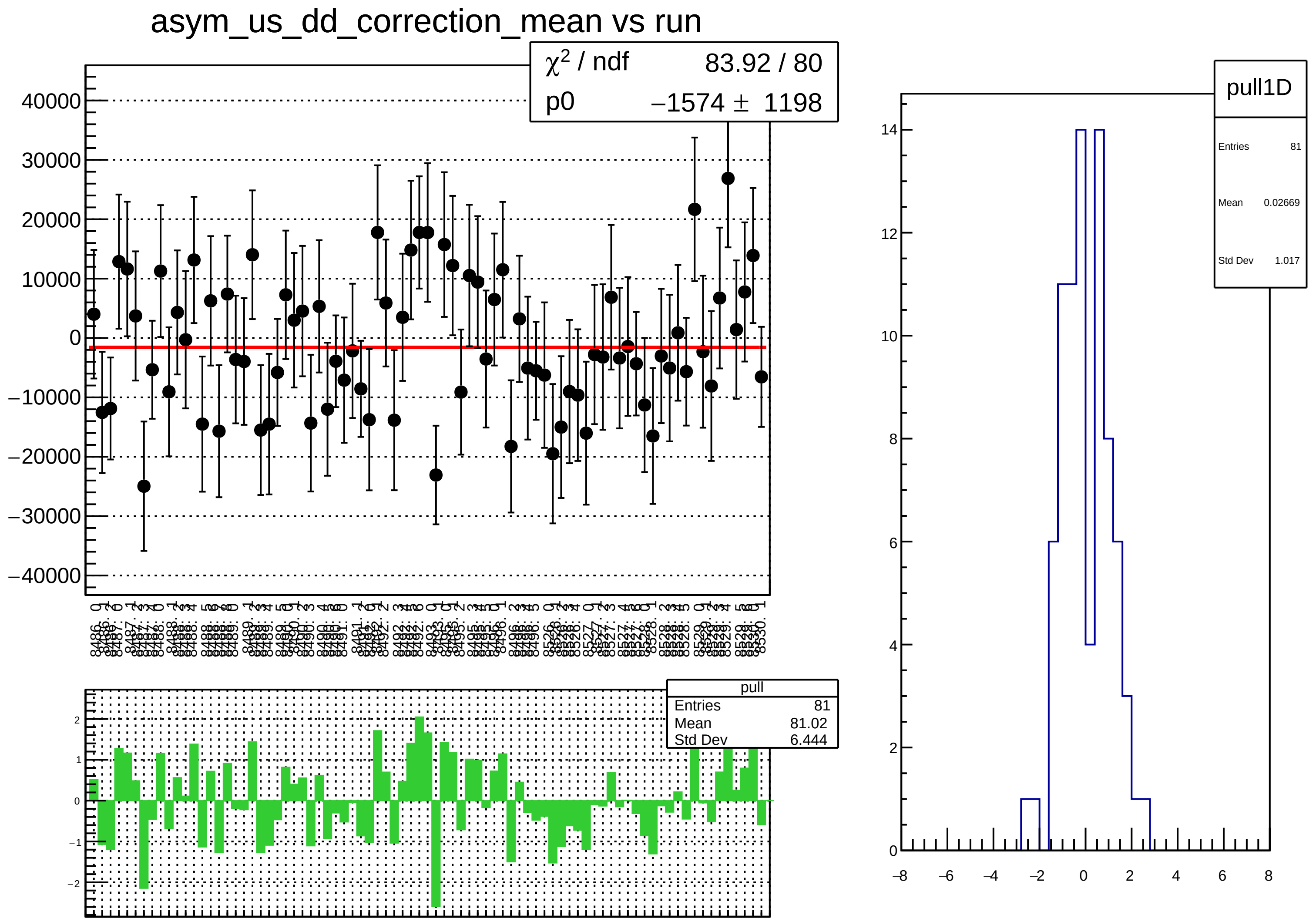


asym_us_avg_rms vs run
χ^2 / ndf 5139 / 80
p0 1591 ± 1.251

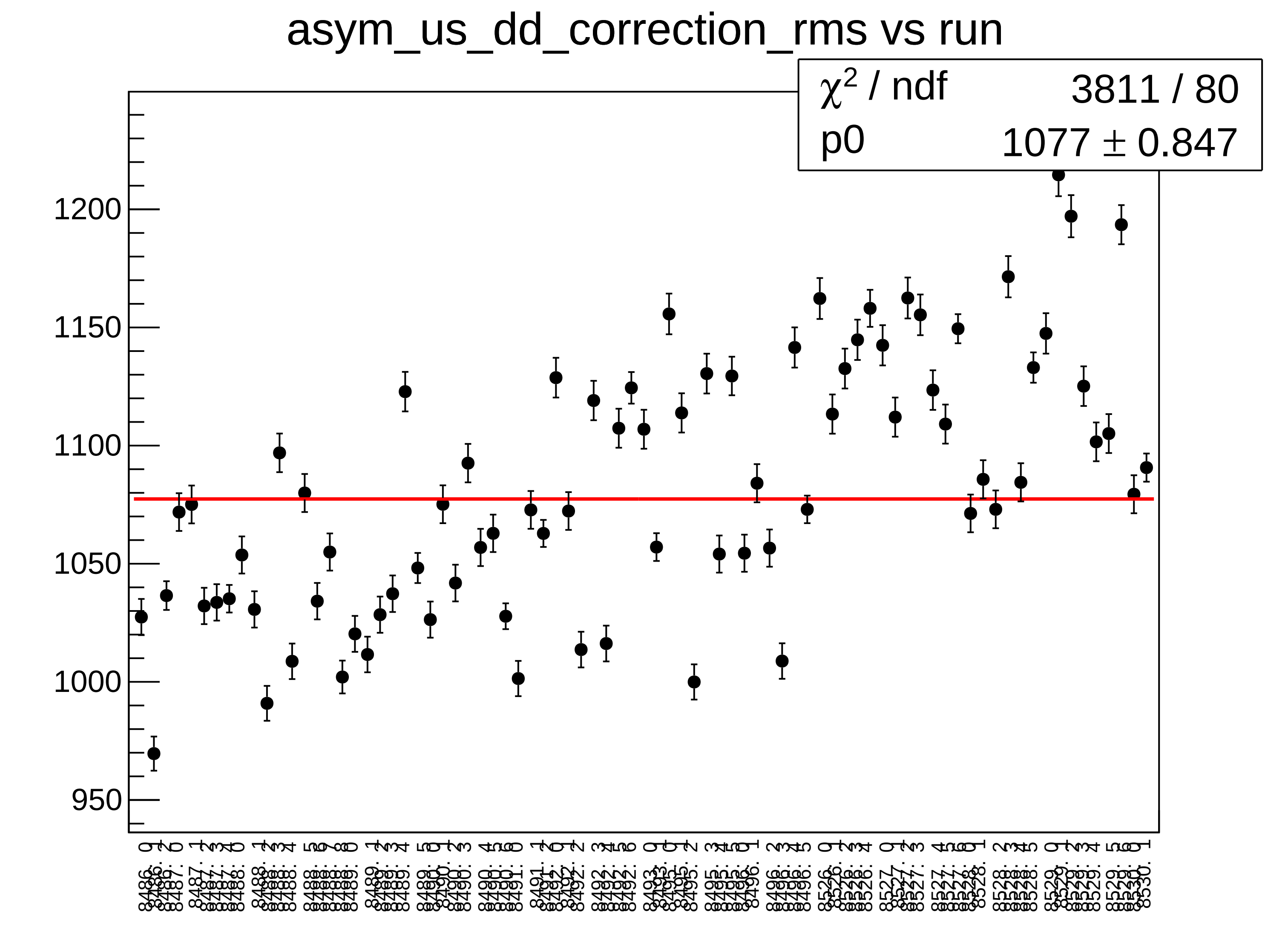

reg_asym_us_dd_mean vs run
χ^2 / ndf 95.72 / 80
p0 −1758 ± 840.4
pull
Entries 81
Mean −119.2
Std Dev 151.7
pull1D
Entries 81
Mean 0.01699
Std Dev 1.087

reg_asym_us_dd_rms vs run

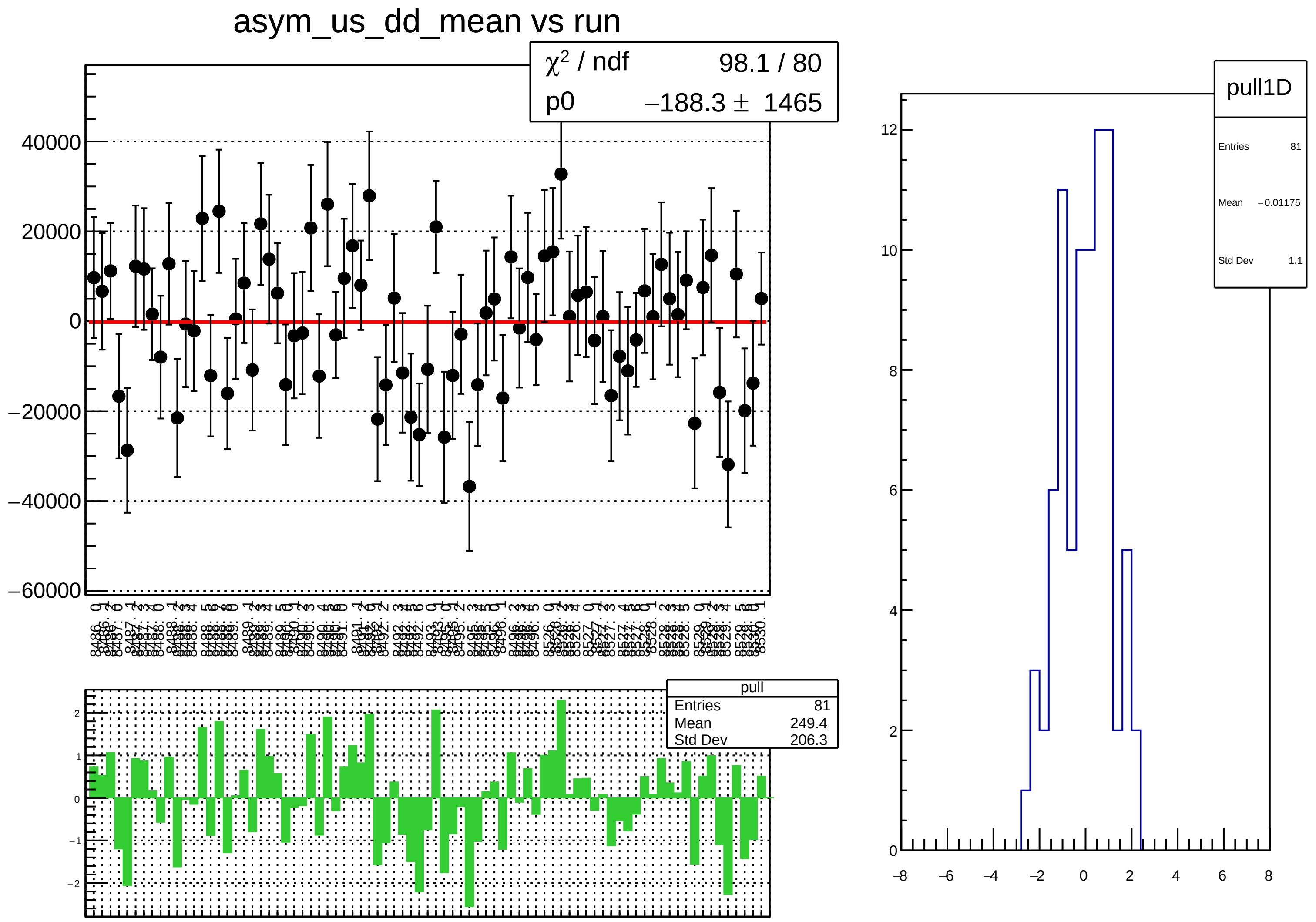




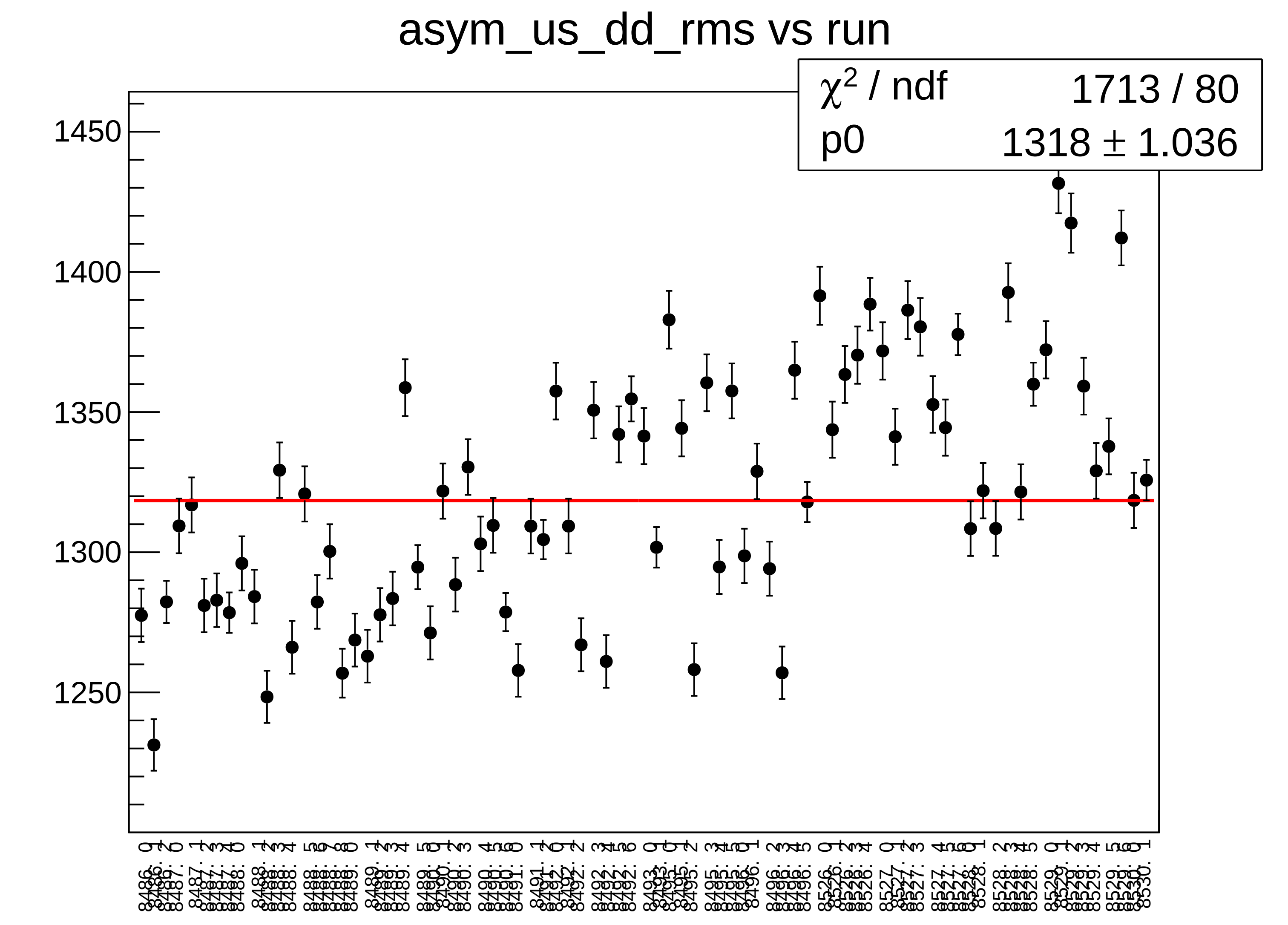
asym_us_dd_correction_mean vs run
χ2 / ndf 83.92 / 80
p0 −1574 ± 1198
pull
Entries 81
Mean 81.02
Std Dev 6.444
pull1D
Entries 81
Mean 0.02669
Std Dev 1.017



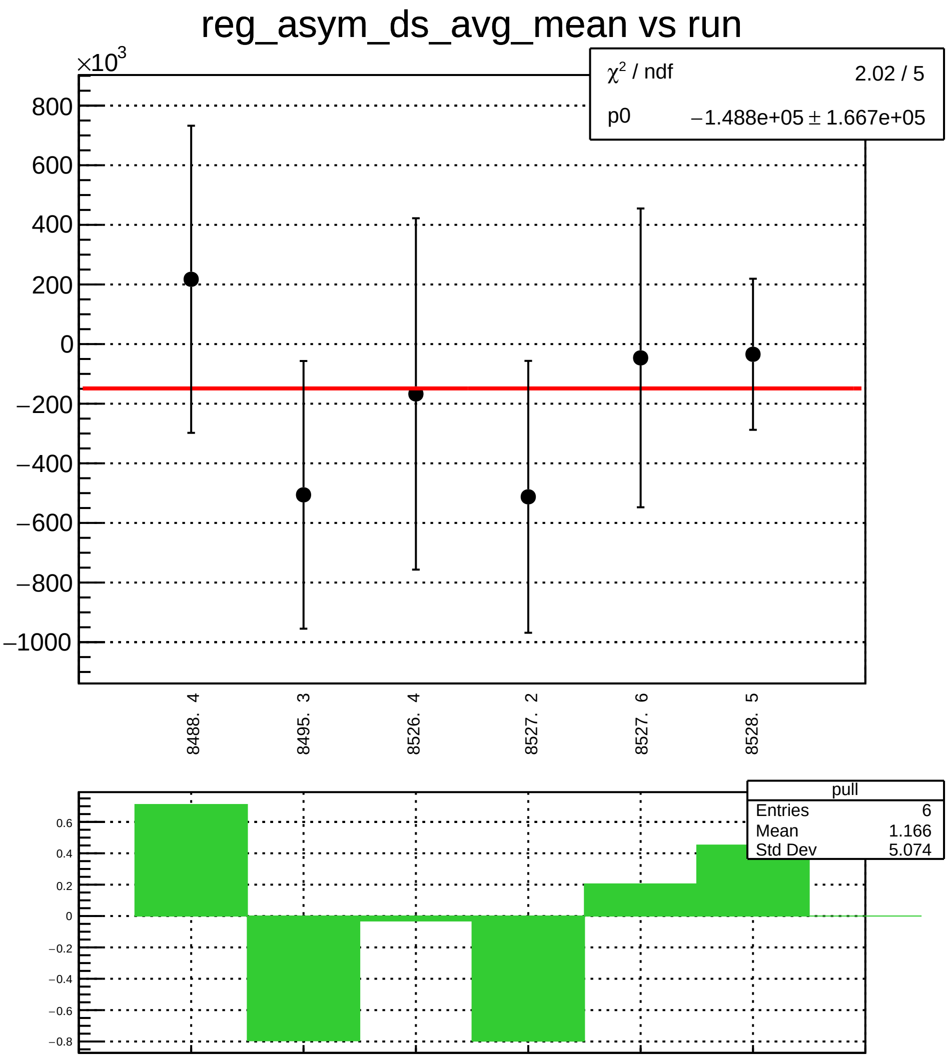
asym_us_dd_correction_rms vs run
χ^2 / ndf 3811 / 80
p0 1077 ± 0.847
1200
1150
1100
1050
1000
950

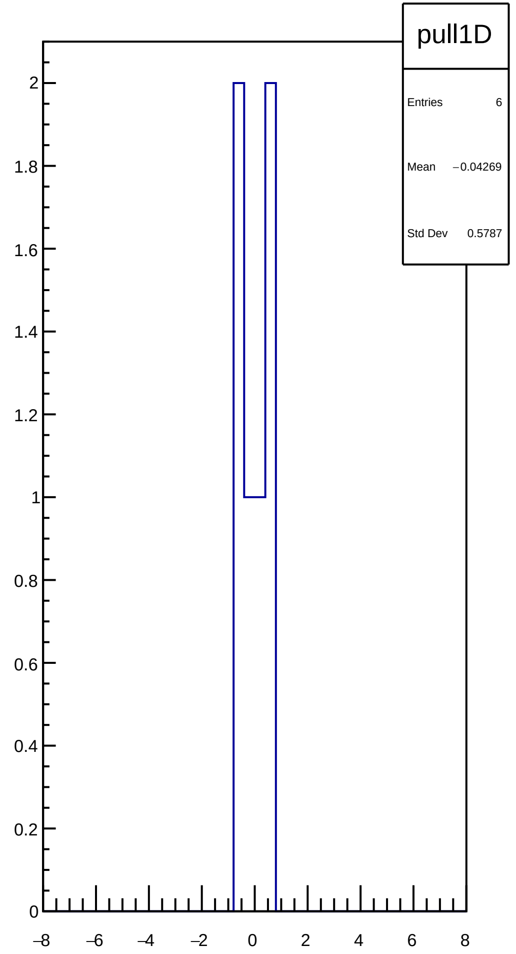


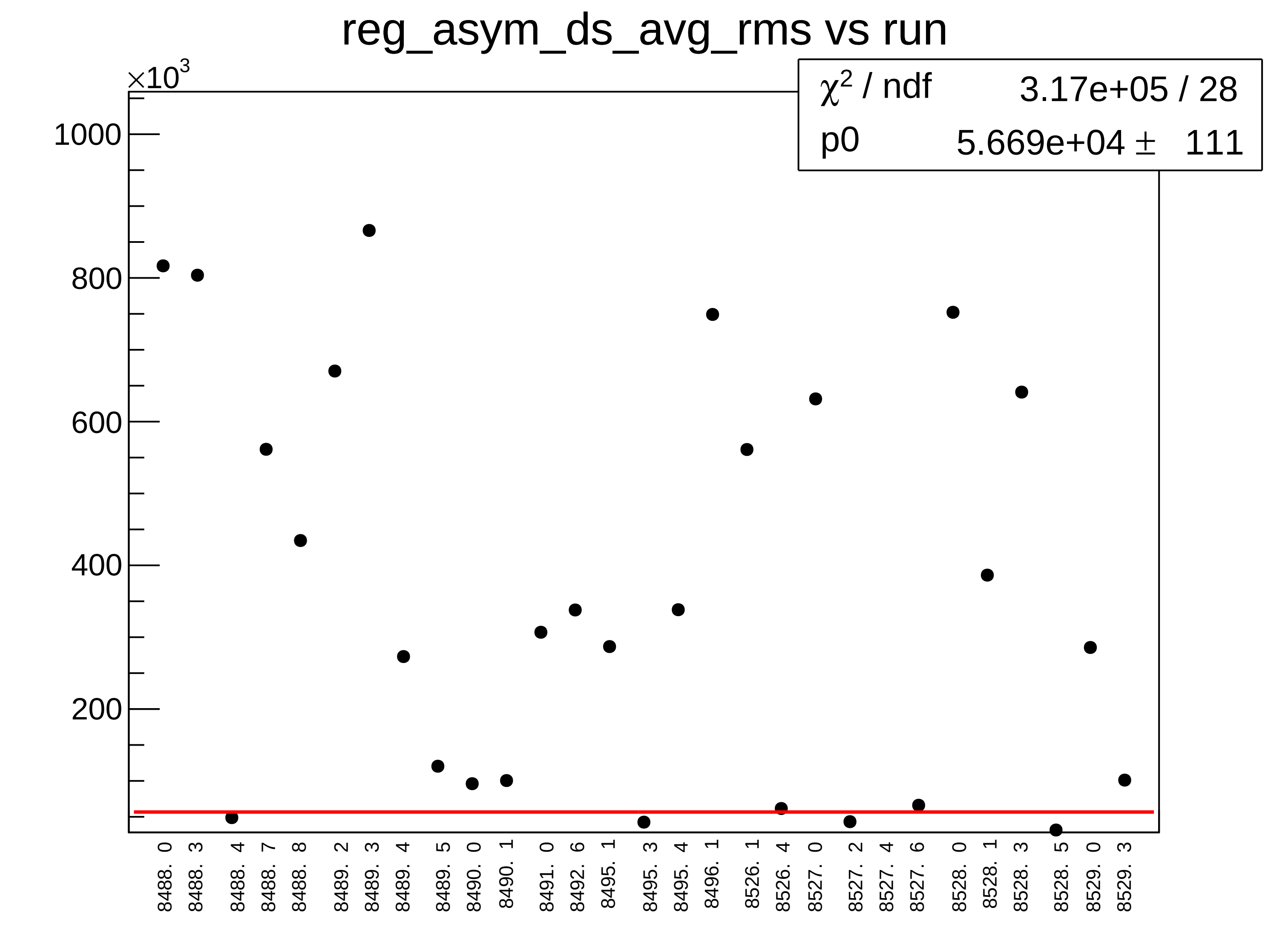
asym_us_dd_mean vs run
χ2 / ndf 98.1 / 80
p0 −188.3 ± 1465
pull
Entries 81
Mean 249.4
Std Dev 206.3
pull1D
Entries 81
Mean −0.01175
Std Dev 1.1



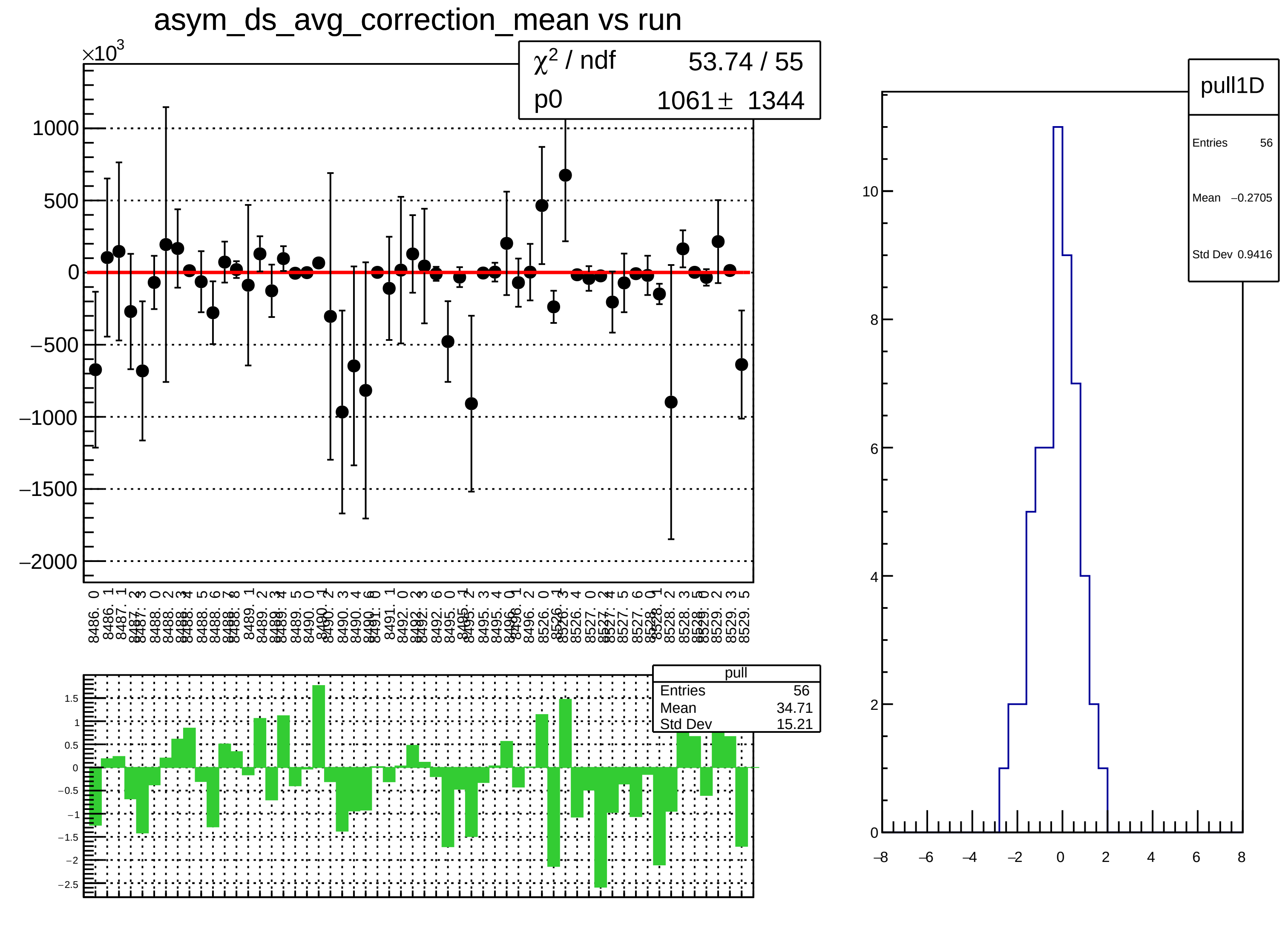
asym_us_dd_rms vs run
χ^2 / ndf 1713 / 80
p0 1318 ± 1.036
1450
1400
1350
1300
1250

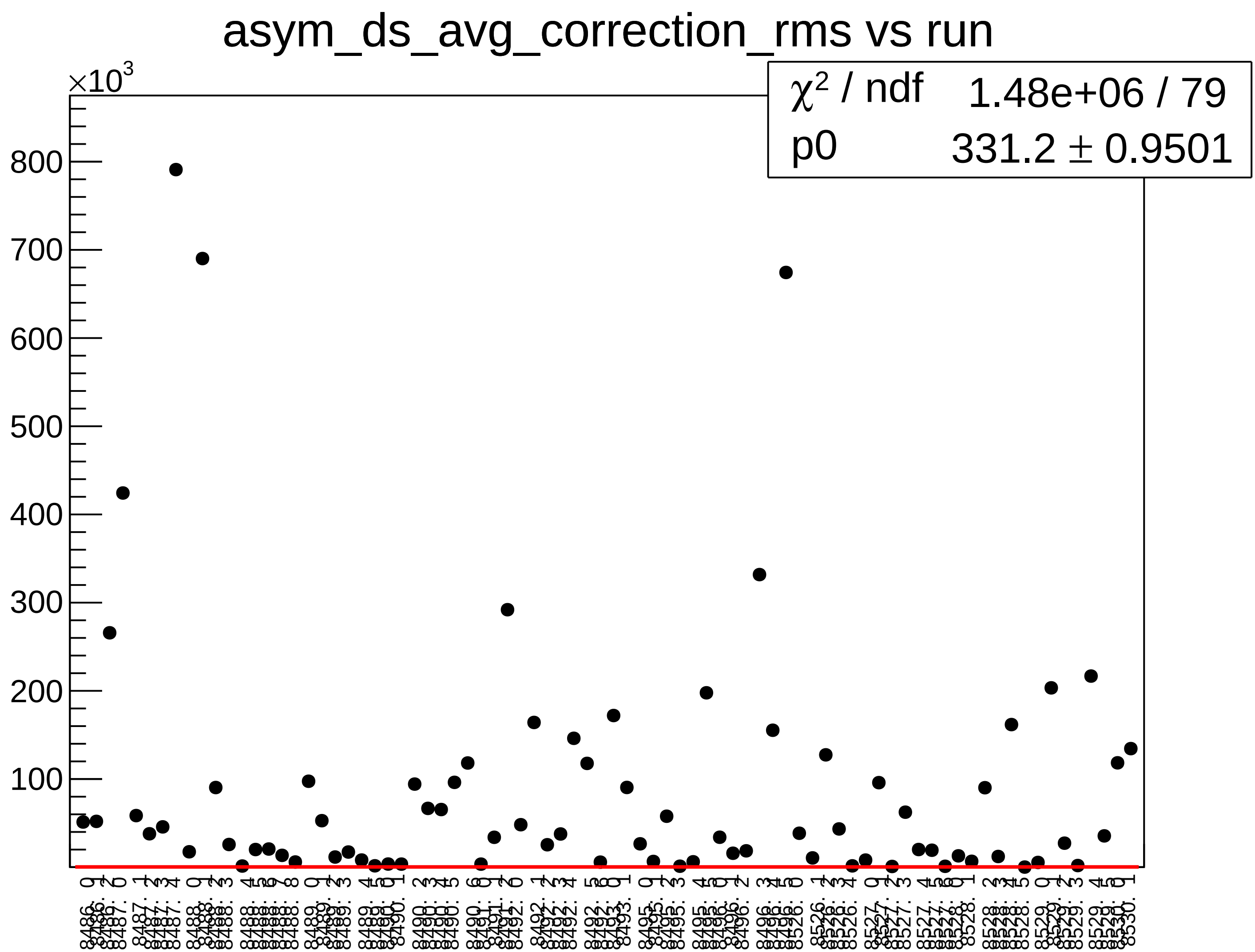

reg_asym_ds_avg_mean vs run
×10^3
χ2 / ndf 2.02 / 5
p0 −1.488e+05 ± 1.667e+05
800
600
400
200
0
−200
−400
−600
−800
−1000
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 1.166
Std Dev 5.074
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8


pull1D
Entries 6
Mean −0.04269
Std Dev 0.5787
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

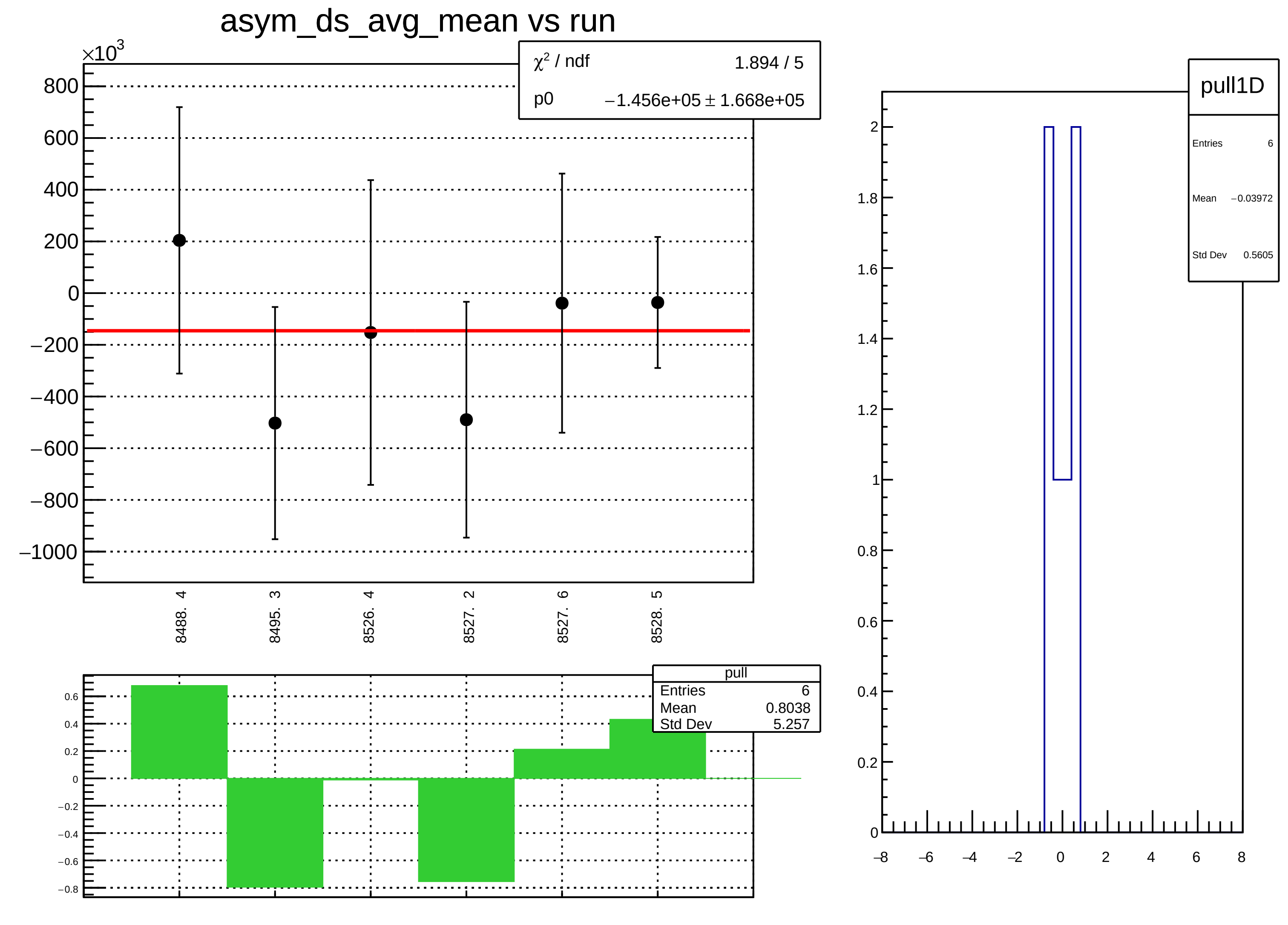


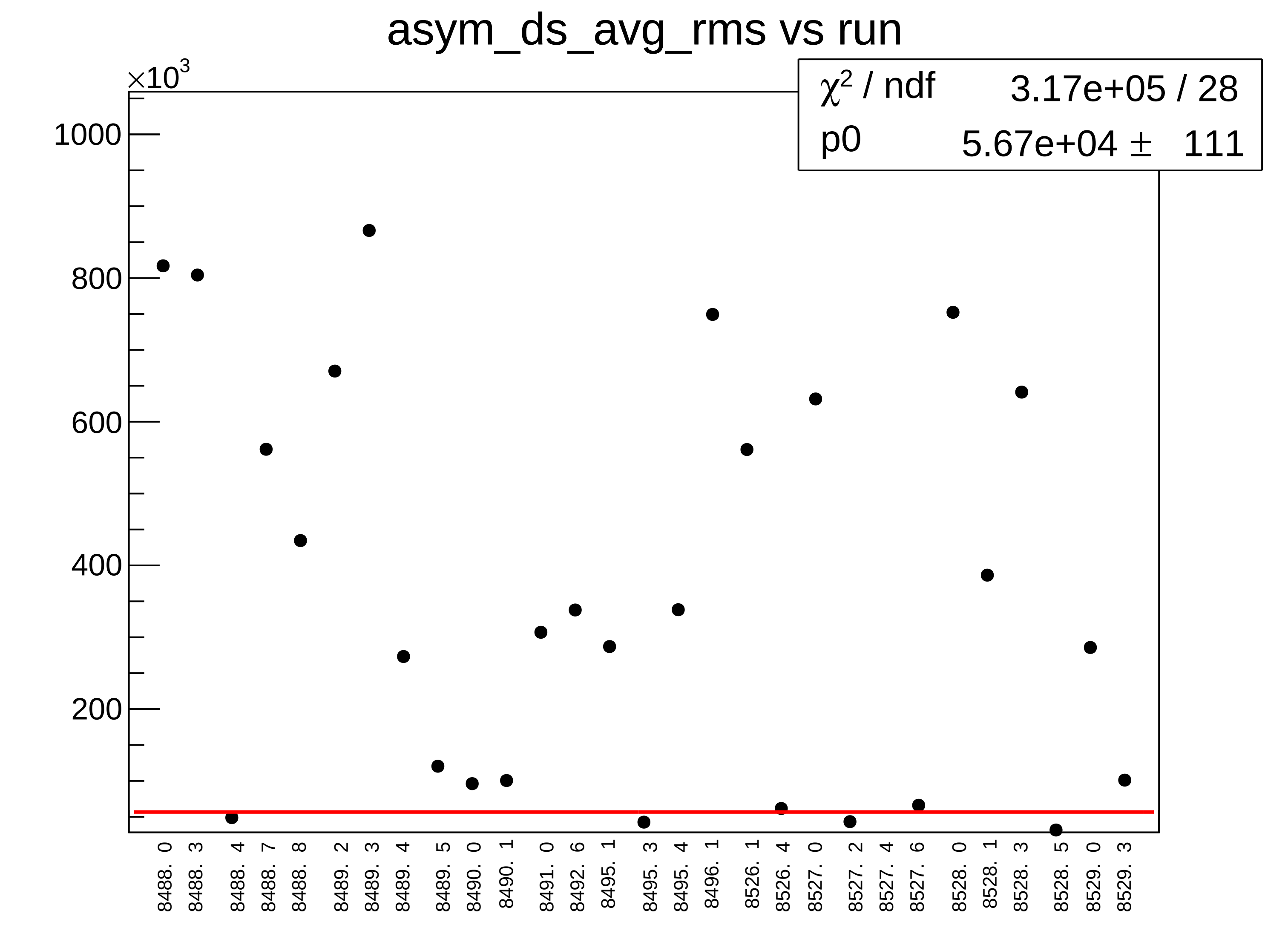
reg_asym_ds_avg_rms vs run
×10³
1000
800
600
400
200
χ² / ndf 3.17e+05 / 28
p0 5.669e+04 ± 111
8488.0
8488.3
8488.4
8488.7
8488.8
8489.2
8489.3
8489.4
8489.5
8490.0
8490.1
8491.0
8492.6
8495.1
8495.3
8495.4
8496.1
8526.1
8526.4
8527.0
8527.2
8527.4
8527.6
8528.0
8528.1
8528.3
8528.5
8529.0
8529.3

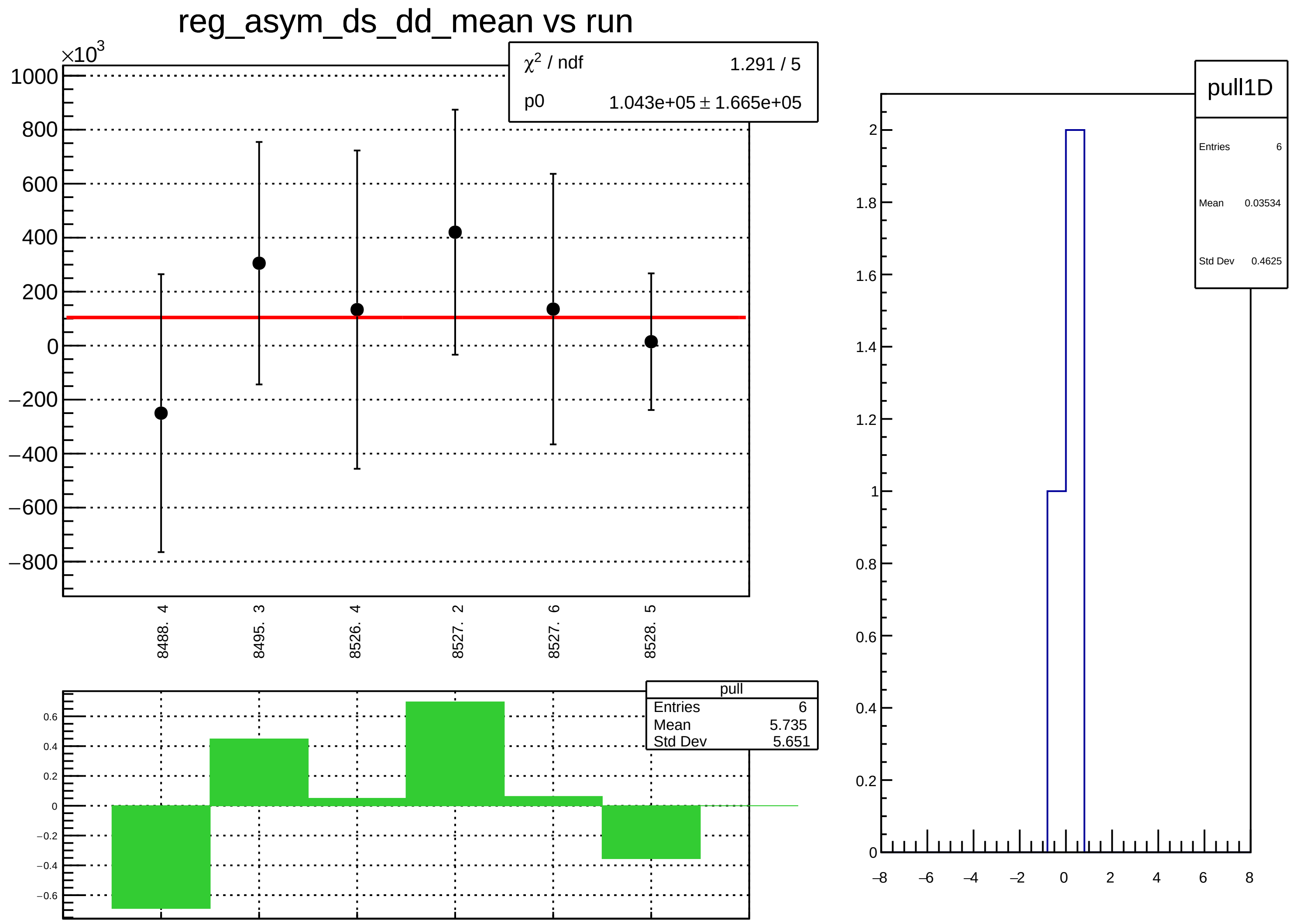

asym_ds_avg_correction_mean vs run
×10^3
χ2 / ndf 53.74 / 55
p0 1061 ± 1344
pull
Entries 56
Mean 34.71
Std Dev 15.21
pull1D
Entries 56
Mean −0.2705
Std Dev 0.9416



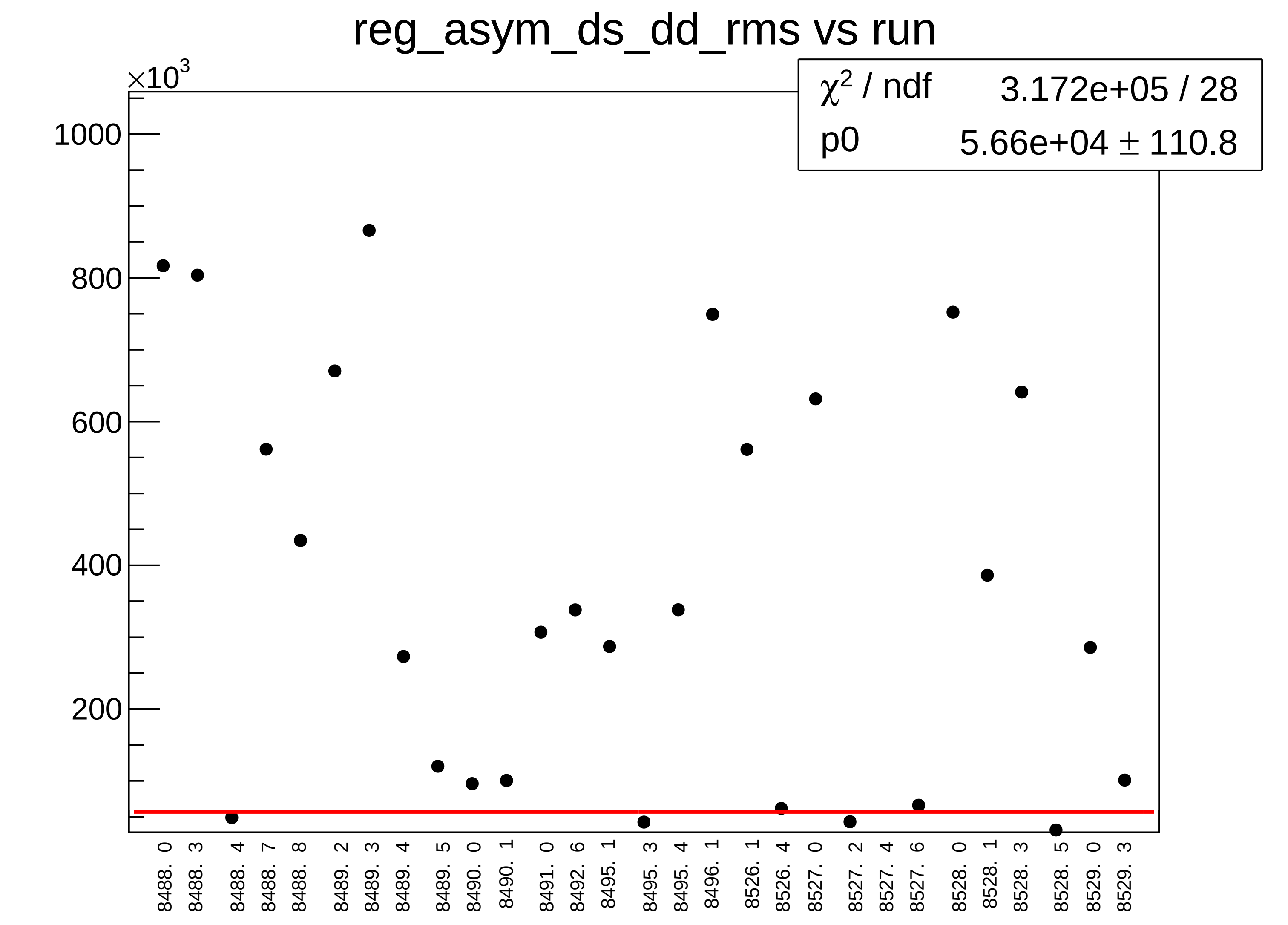
asym_ds_avg_correction_rms vs run
$\times 10^3$
800
700
600
500
400
300
200
100
χ^2 / ndf 1.48e+06 / 79
p0 331.2 ± 0.9501

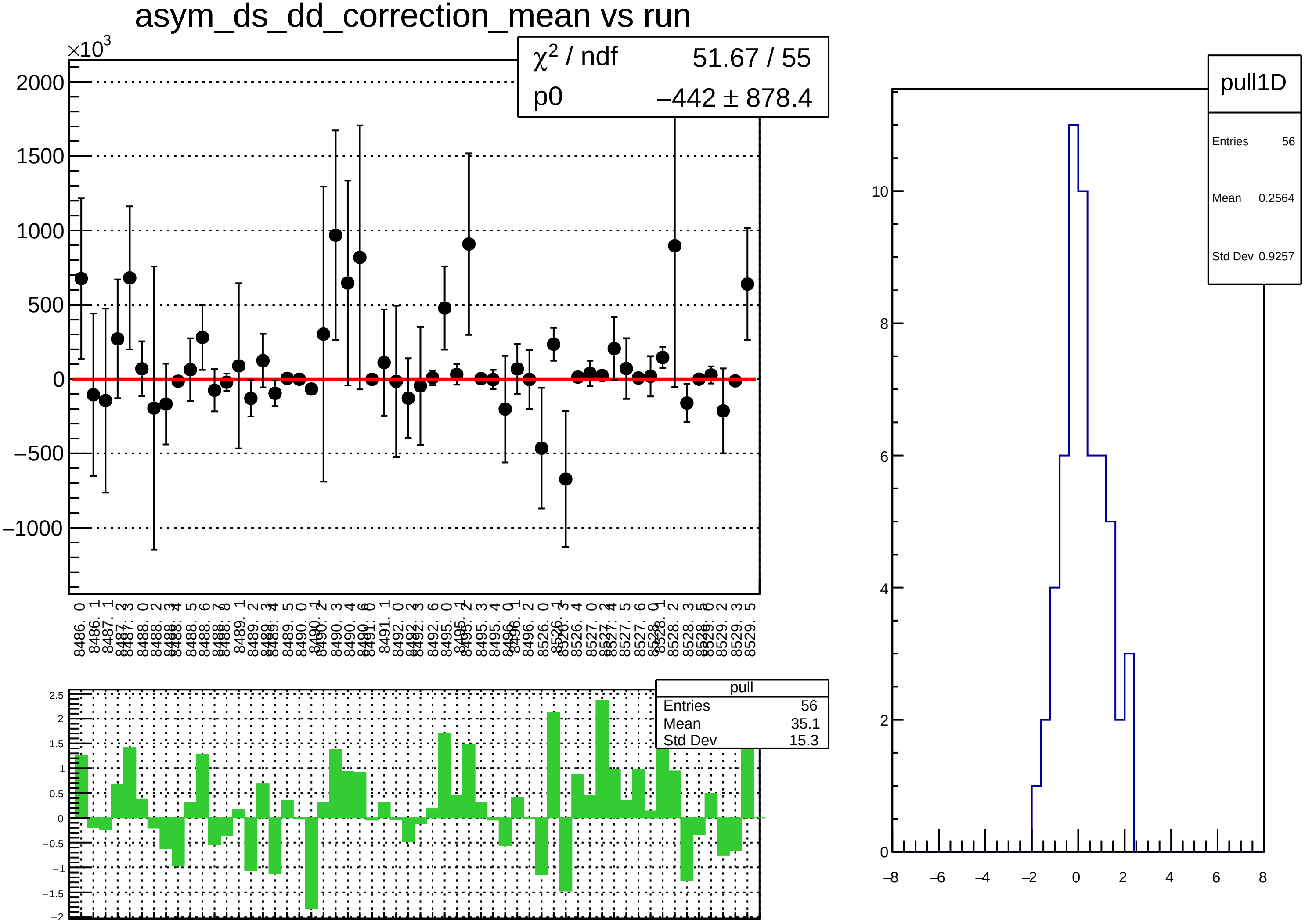

asym_ds_avg_mean vs run
×10^3
χ2 / ndf 1.894 / 5
p0 −1.456e+05 ± 1.668e+05
800
600
400
200
0
−200
−400
−600
−800
−1000
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 0.8038
Std Dev 5.257
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 6
Mean −0.03972
Std Dev 0.5605
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

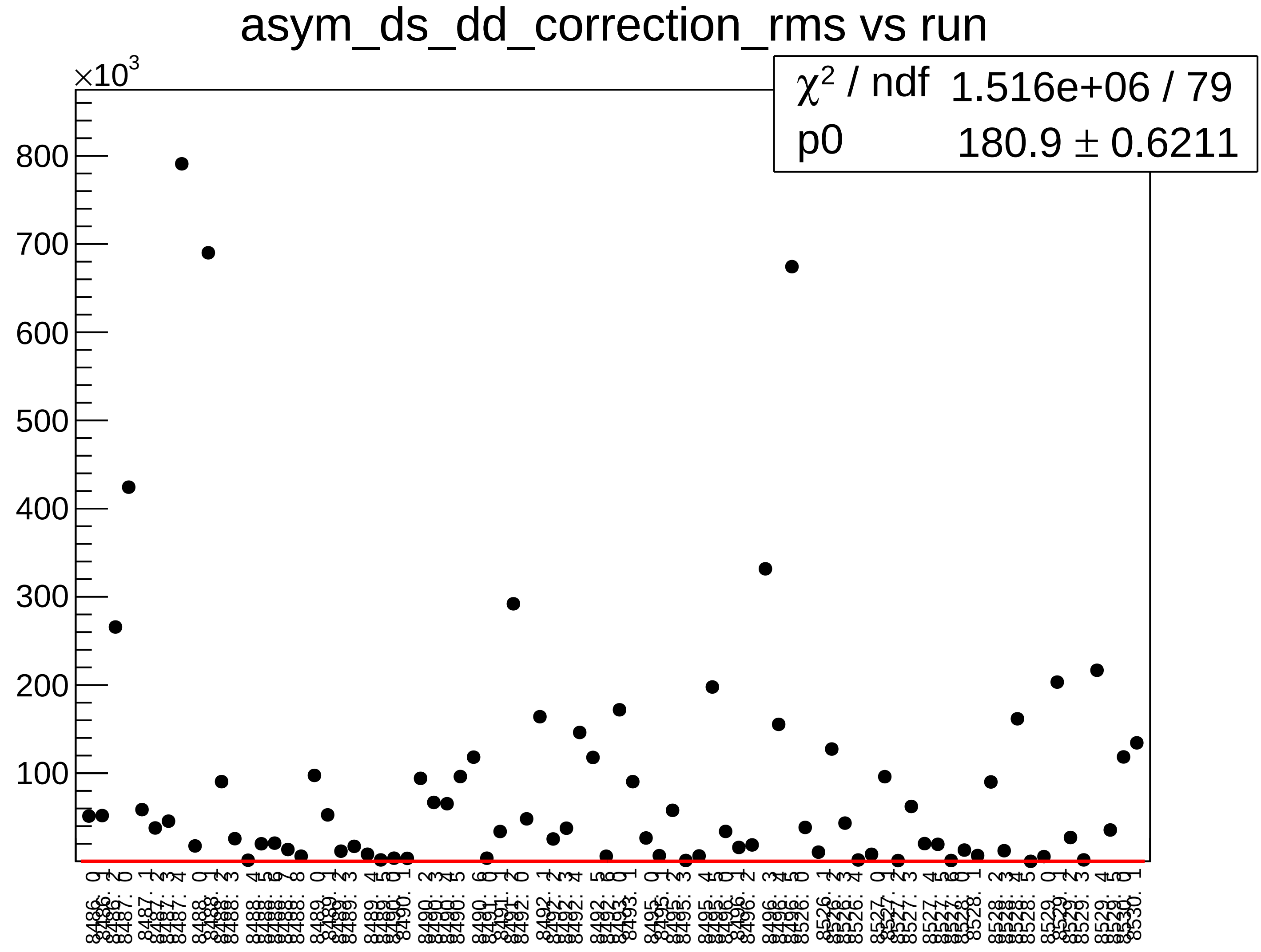

asym_ds_avg_rms vs run
×10^3
χ2 / ndf 3.17e+05 / 28
p0 5.67e+04 ± 111
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

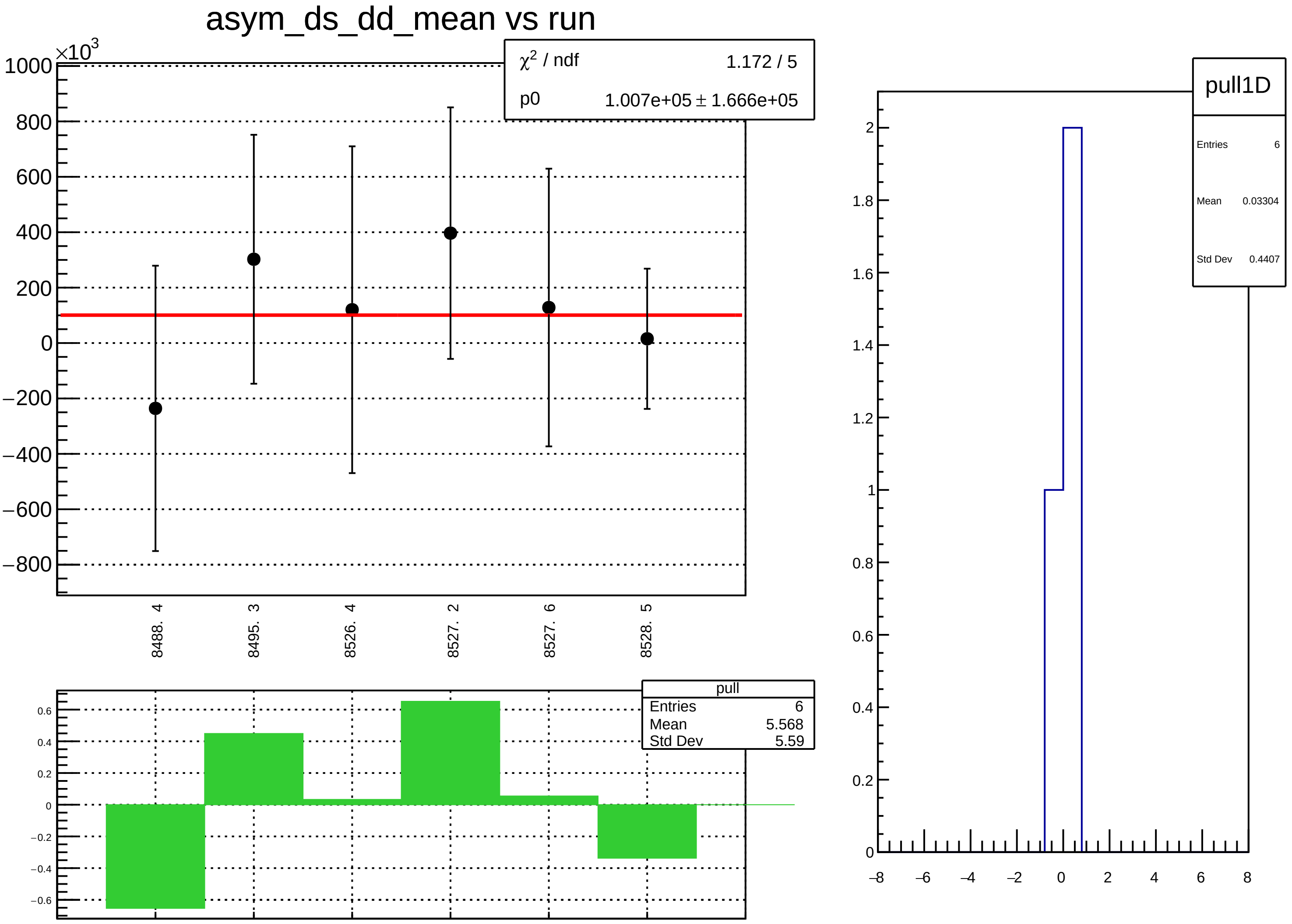


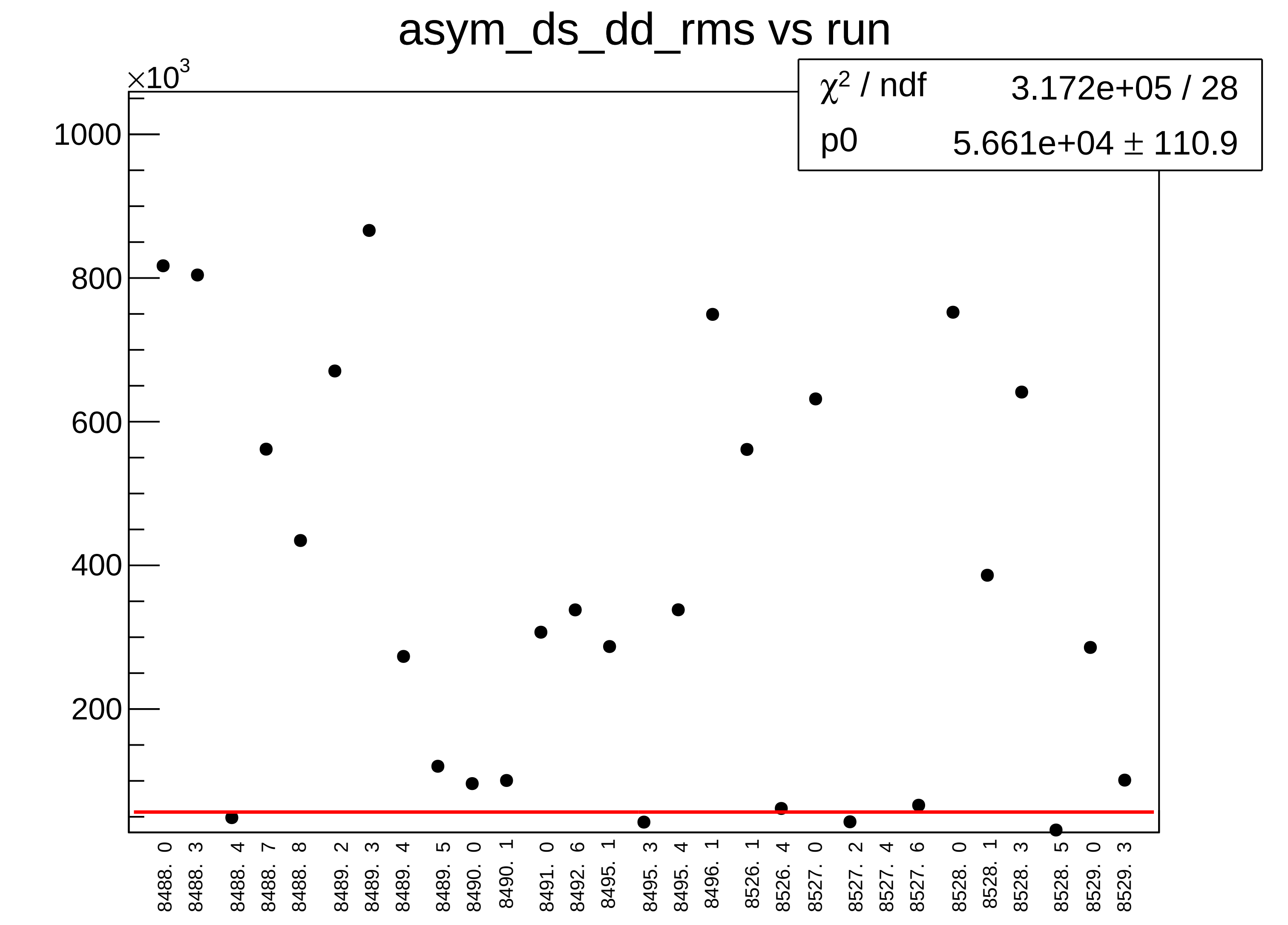
reg_asym_ds_dd_mean vs run
χ2 / ndf 1.291 / 5
p0 1.043e+05 ± 1.665e+05
×10^3
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 5.735
Std Dev 5.651
pull1D
Entries 6
Mean 0.03534
Std Dev 0.4625


reg_asym_ds_dd_rms vs run
$\times 10^3$
χ^2 / ndf 3.172e+05 / 28
p0 5.66e+04 ± 110.8
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

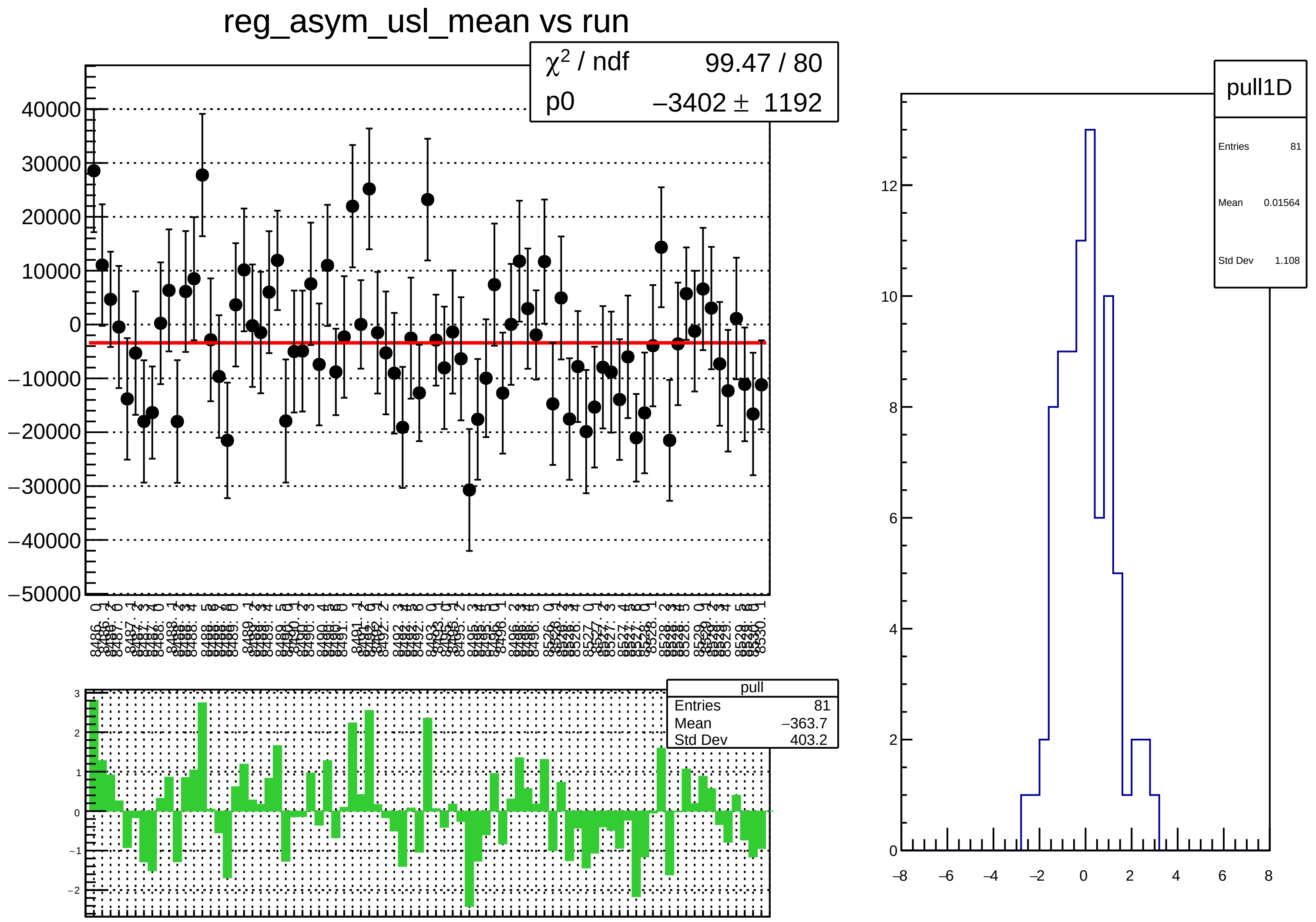

asym_ds_dd_correction_mean vs run
×10^3
χ2 / ndf 51.67 / 55
p0 −442 ± 878.4
2000
1500
1000
500
0
−500
−1000
pull
Entries 56
Mean 35.1
Std Dev 15.3
pull1D
Entries 56
Mean 0.2564
Std Dev 0.9257


asym_ds_dd_correction_rms vs run
×10^3
χ2 / ndf 1.516e+06 / 79
p0 180.9 ± 0.6211
800
700
600
500
400
300
200
100

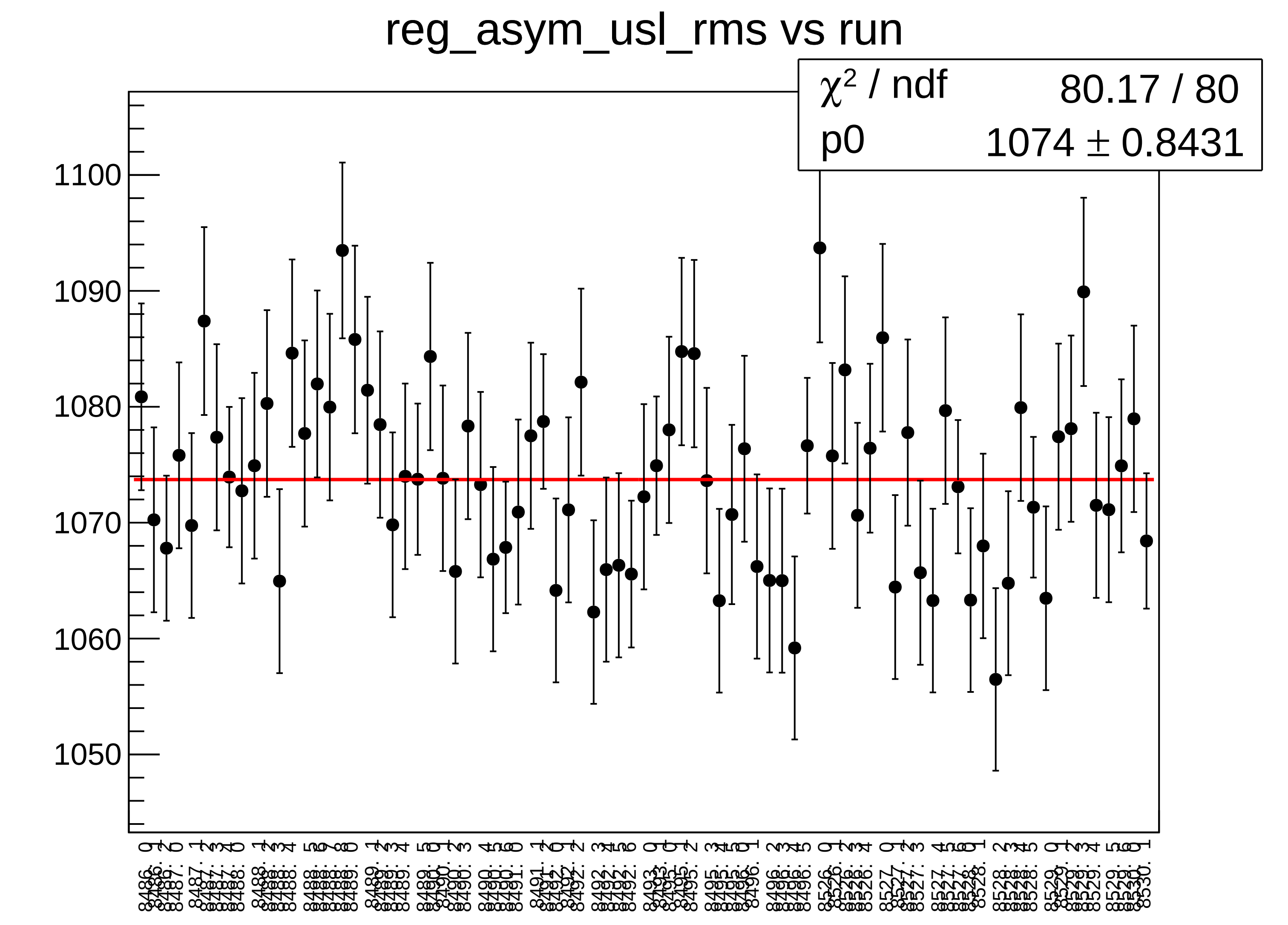

asym_ds_dd_mean vs run
×10^3
χ2 / ndf 1.172 / 5
p0 1.007e+05 ± 1.666e+05
1000
800
600
400
200
0
−200
−400
−600
−800
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 5.568
Std Dev 5.59
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 6
Mean 0.03304
Std Dev 0.4407
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



asym_ds_dd_rms vs run
$\times 10^3$
1000
800
600
400
200
χ^2 / ndf 3.172e+05 / 28
p0 5.661e+04 ± 110.9
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

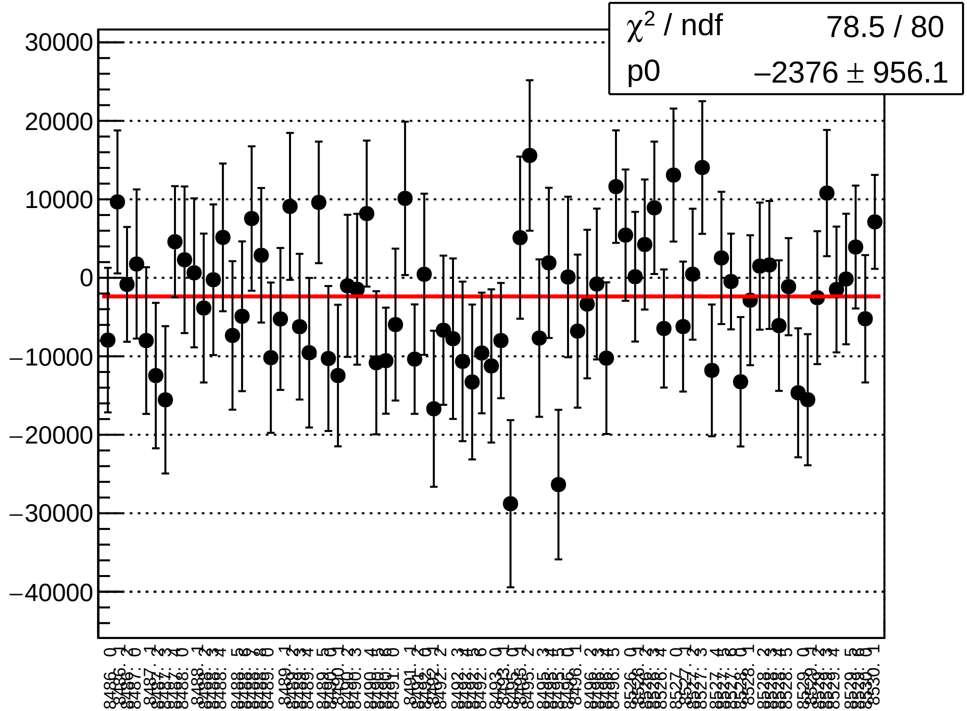


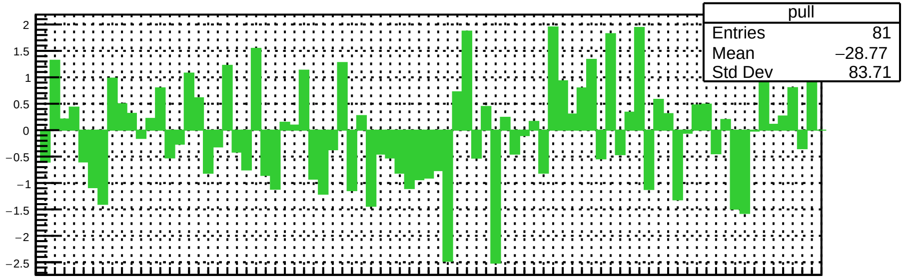
reg_asym_usl_mean vs run
χ^2 / ndf 99.47 / 80
p0 −3402 ± 1192
pull
Entries 81
Mean −363.7
Std Dev 403.2
pull1D
Entries 81
Mean 0.01564
Std Dev 1.108

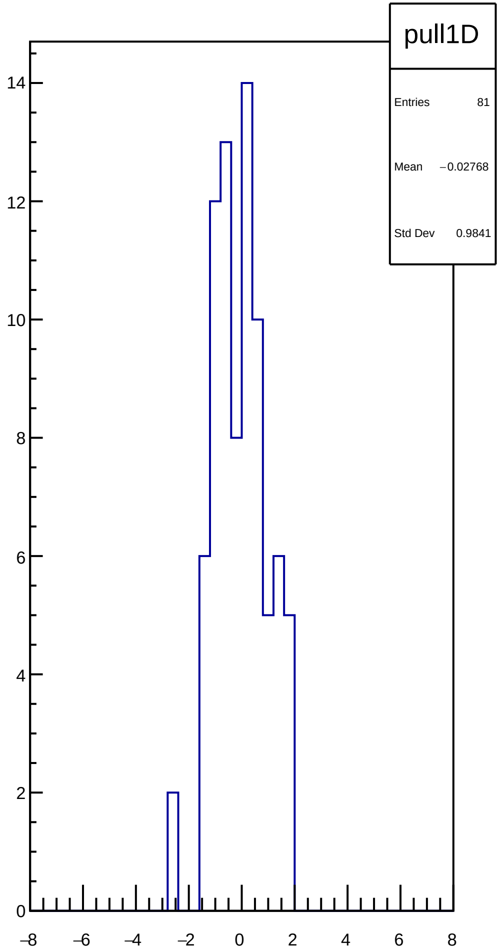


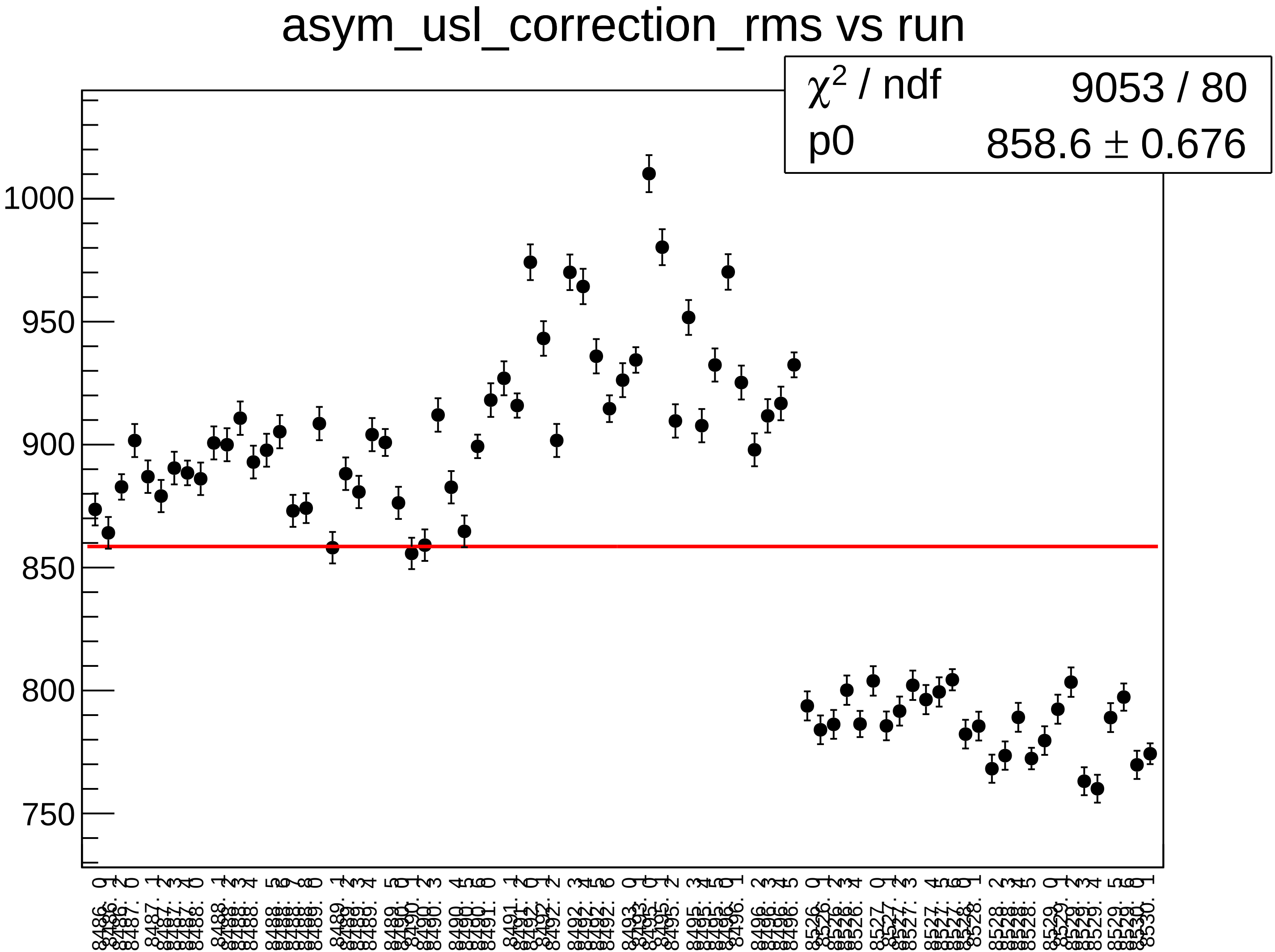
reg_asym_usl_rms vs run
χ2 / ndf 80.17 / 80
p0 1074 ± 0.8431
1100
1090
1080
1070
1060
1050

asym_usl_correction_mean vs run

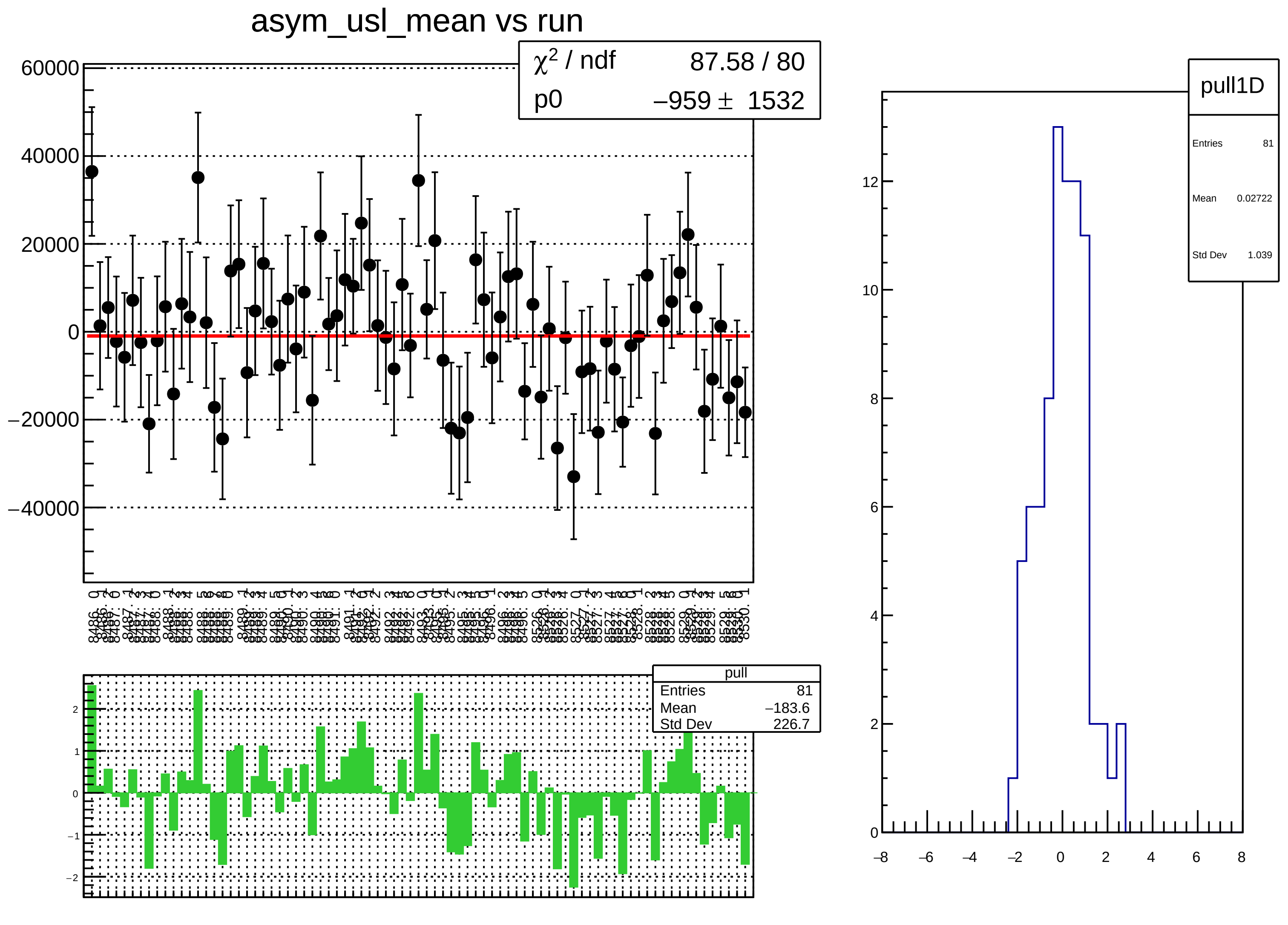




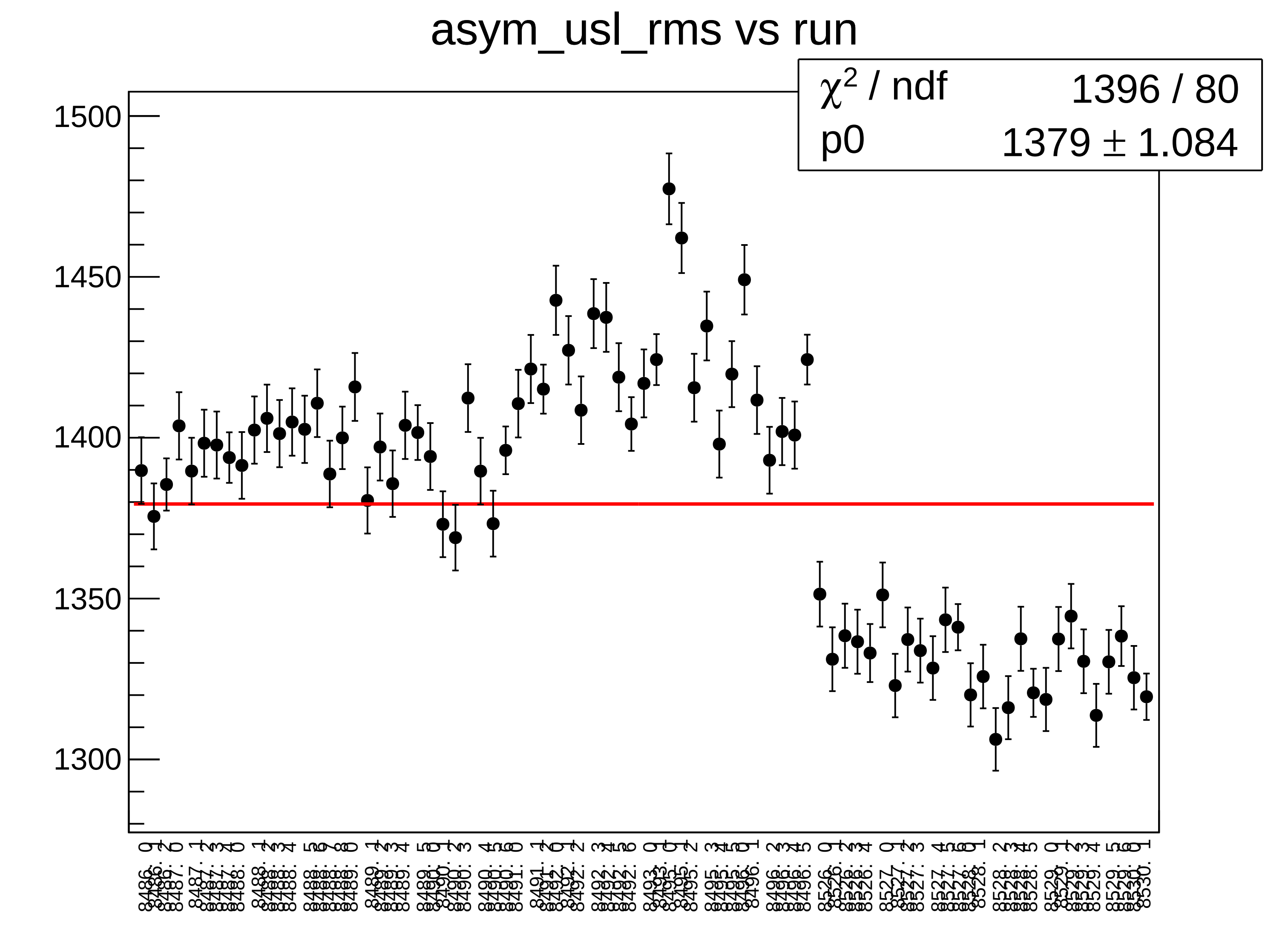




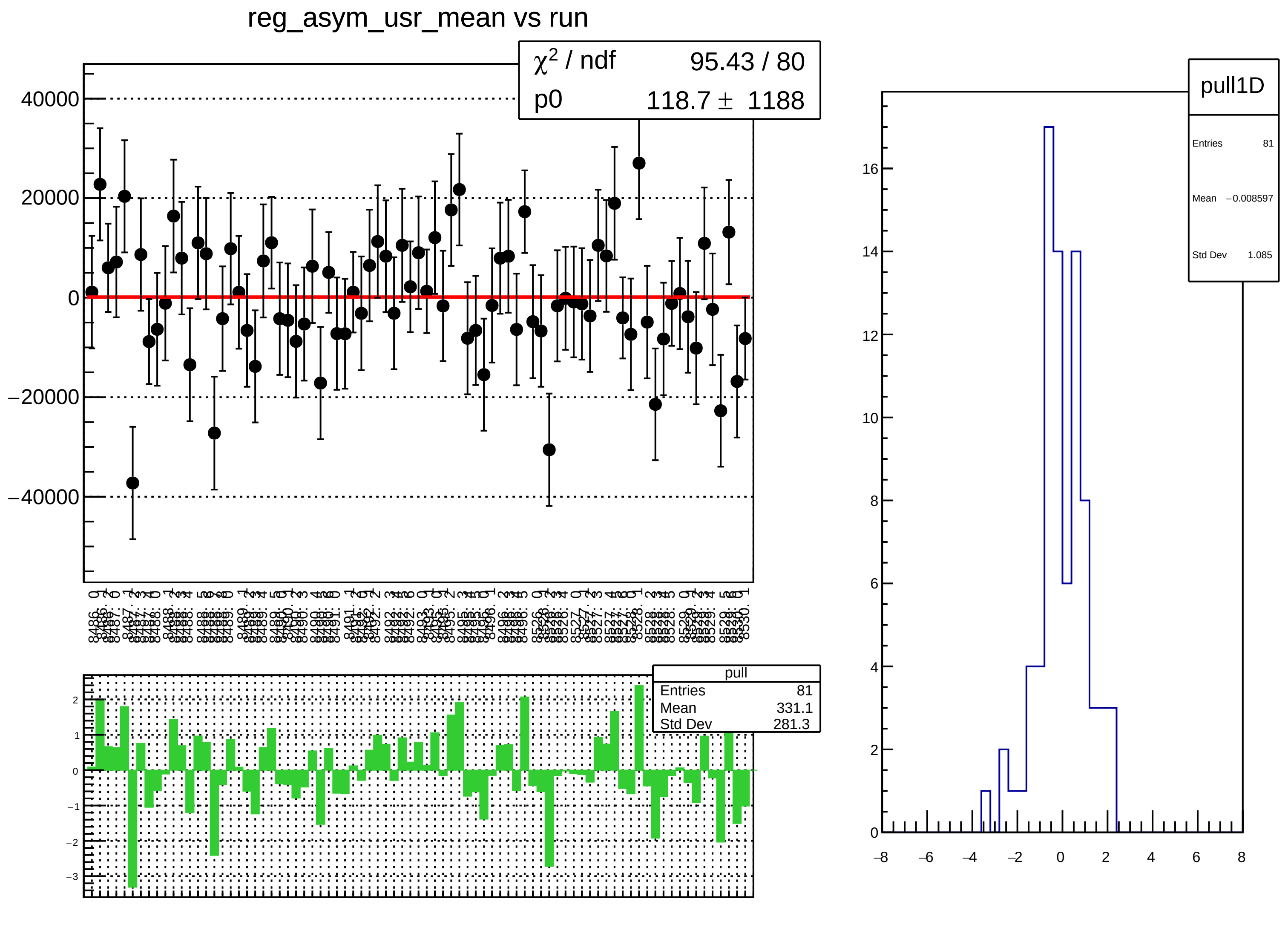
asym_usl_correction_rms vs run
χ^2 / ndf 9053 / 80
p0 858.6 ± 0.676
1000
950
900
850
800
750



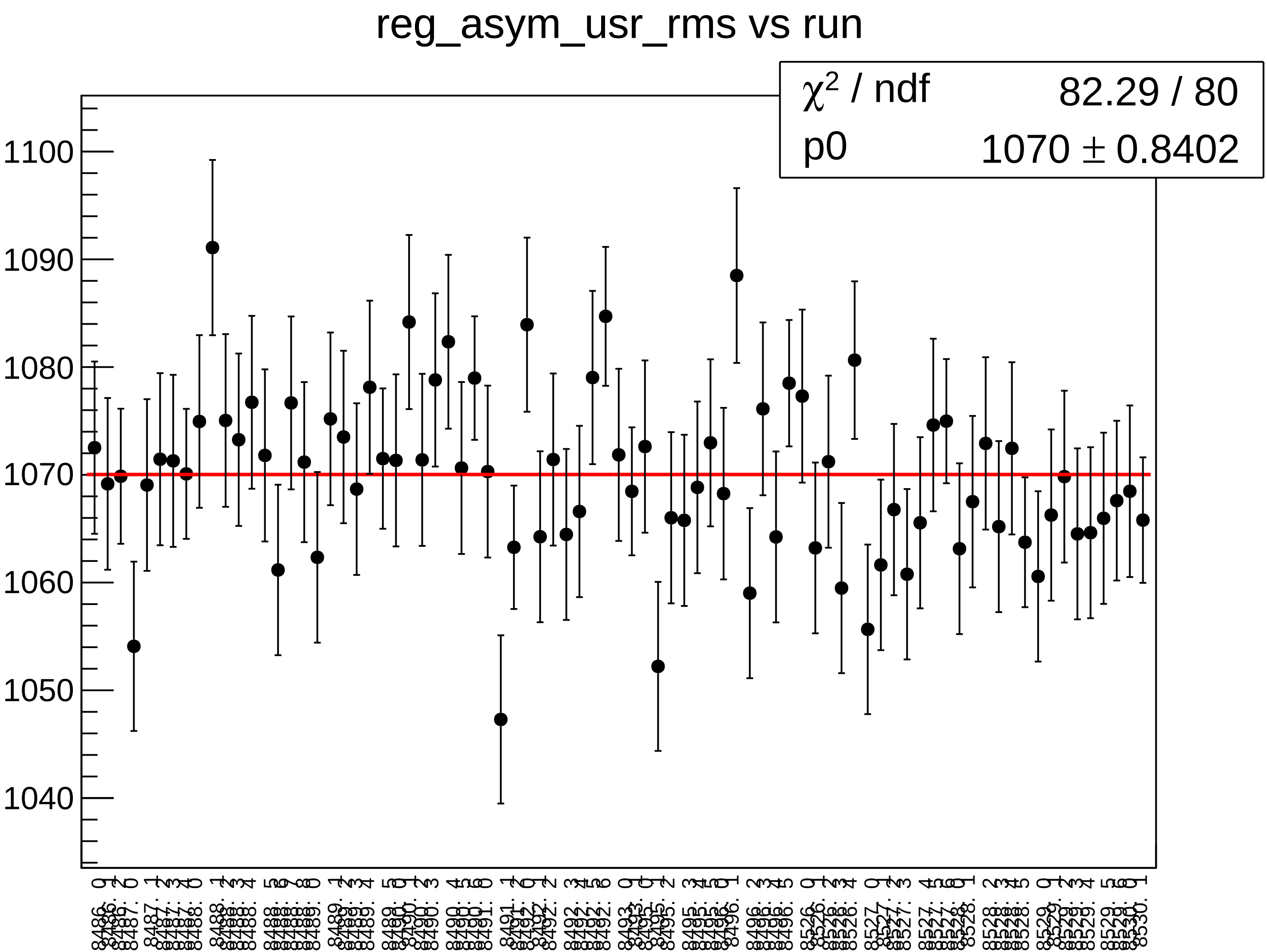
asym_usl_mean vs run
χ^2 / ndf 87.58 / 80
p0 −959 ± 1532
pull
Entries 81
Mean −183.6
Std Dev 226.7
pull1D
Entries 81
Mean 0.02722
Std Dev 1.039



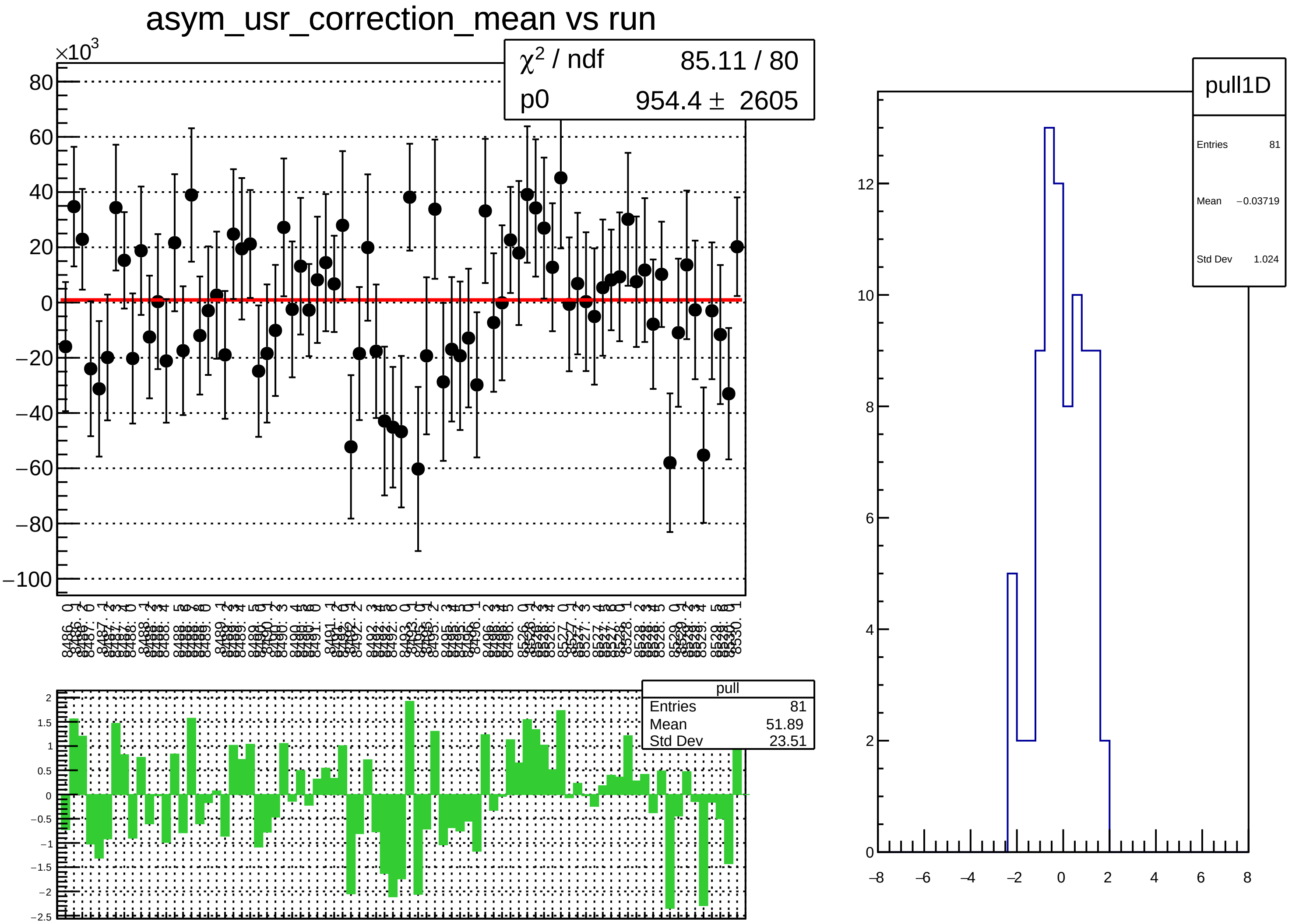
asym_usl_rms vs run
χ2 / ndf 1396 / 80
p0 1379 ± 1.084
1500
1450
1400
1350
1300

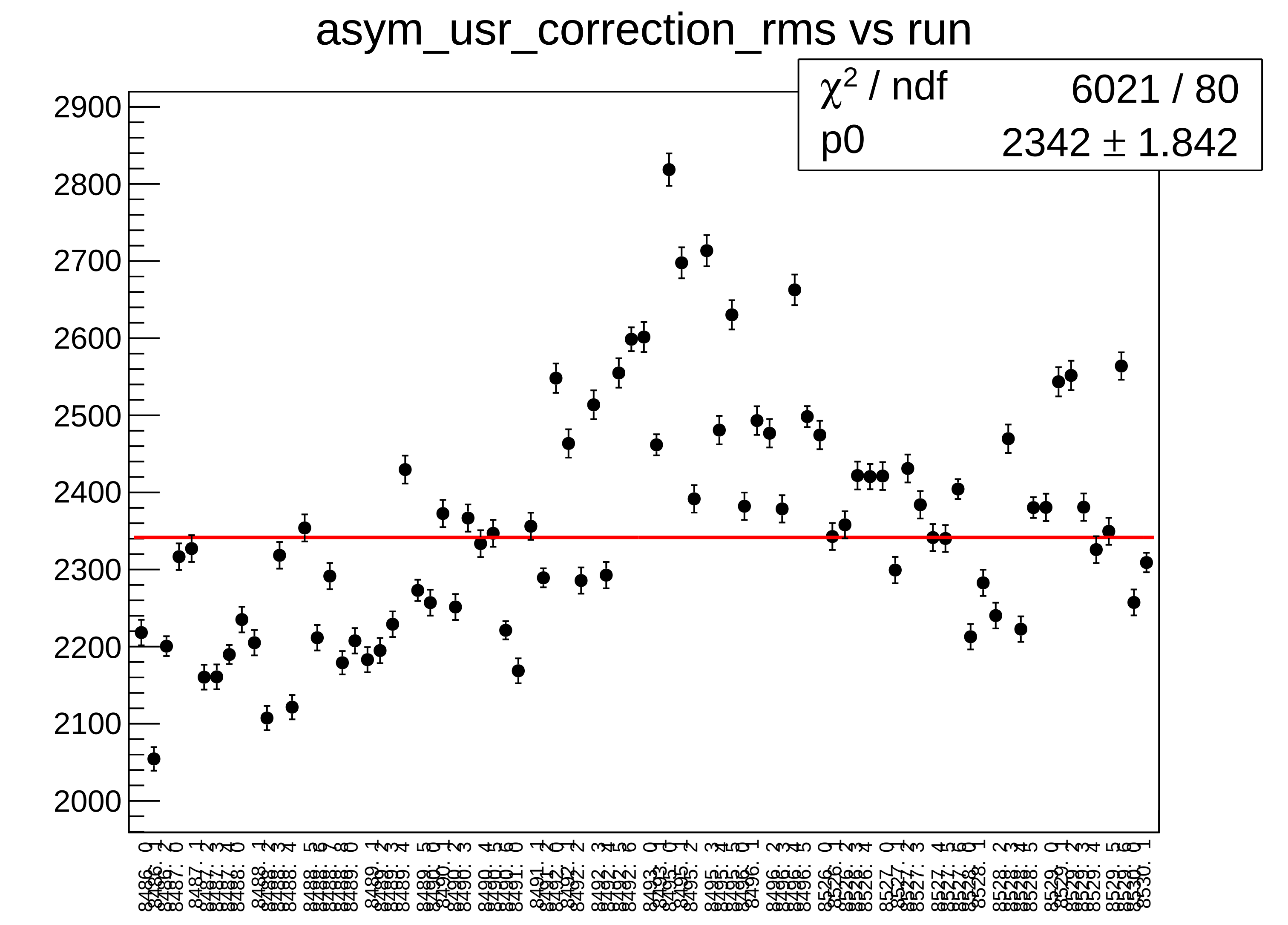


reg_asym_usr_mean vs run
χ^2 / ndf 95.43 / 80
p0 118.7 ± 1188
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 331.1
Std Dev 281.3
pull1D
Entries 81
Mean −0.008597
Std Dev 1.085

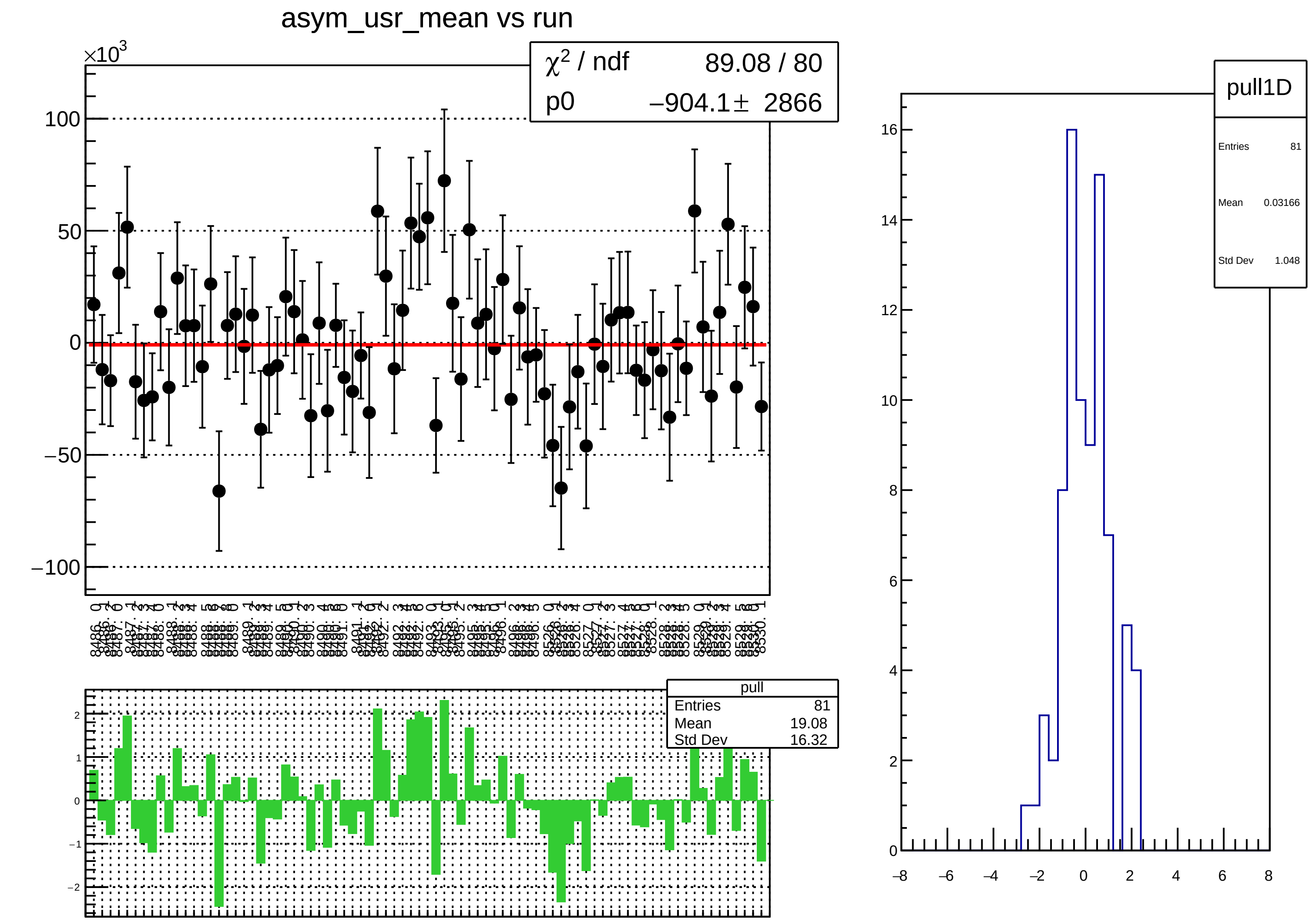


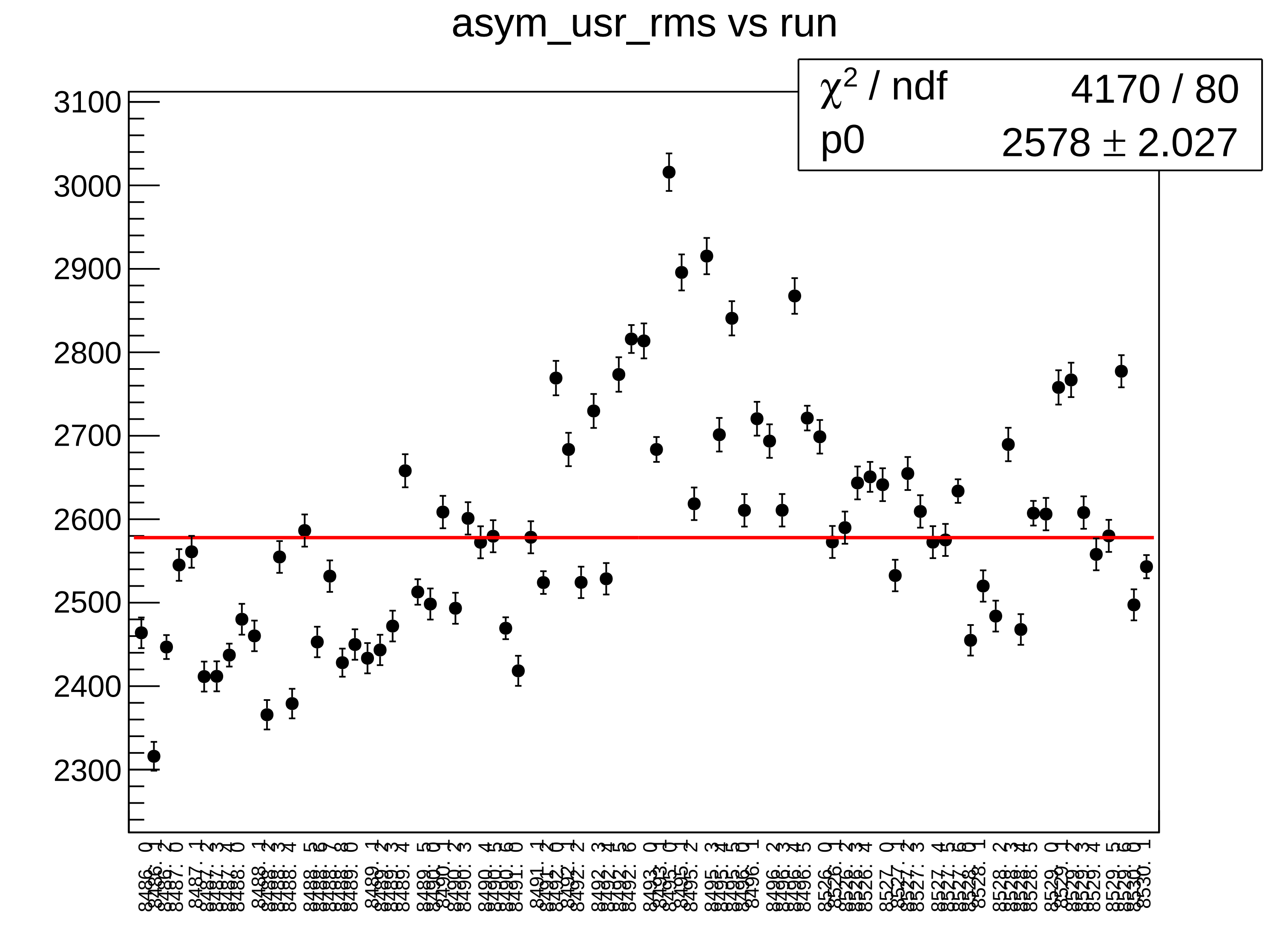
reg_asym_usr_rms vs run
χ^2 / ndf 82.29 / 80
p0 1070 ± 0.8402
1100
1090
1080
1070
1060
1050
1040


asym_usr_correction_mean vs run
$\times10^3$
χ^2 / ndf 85.11 / 80
p0 954.4 ± 2605
pull
Entries 81
Mean 51.89
Std Dev 23.51
pull1D
Entries 81
Mean −0.03719
Std Dev 1.024

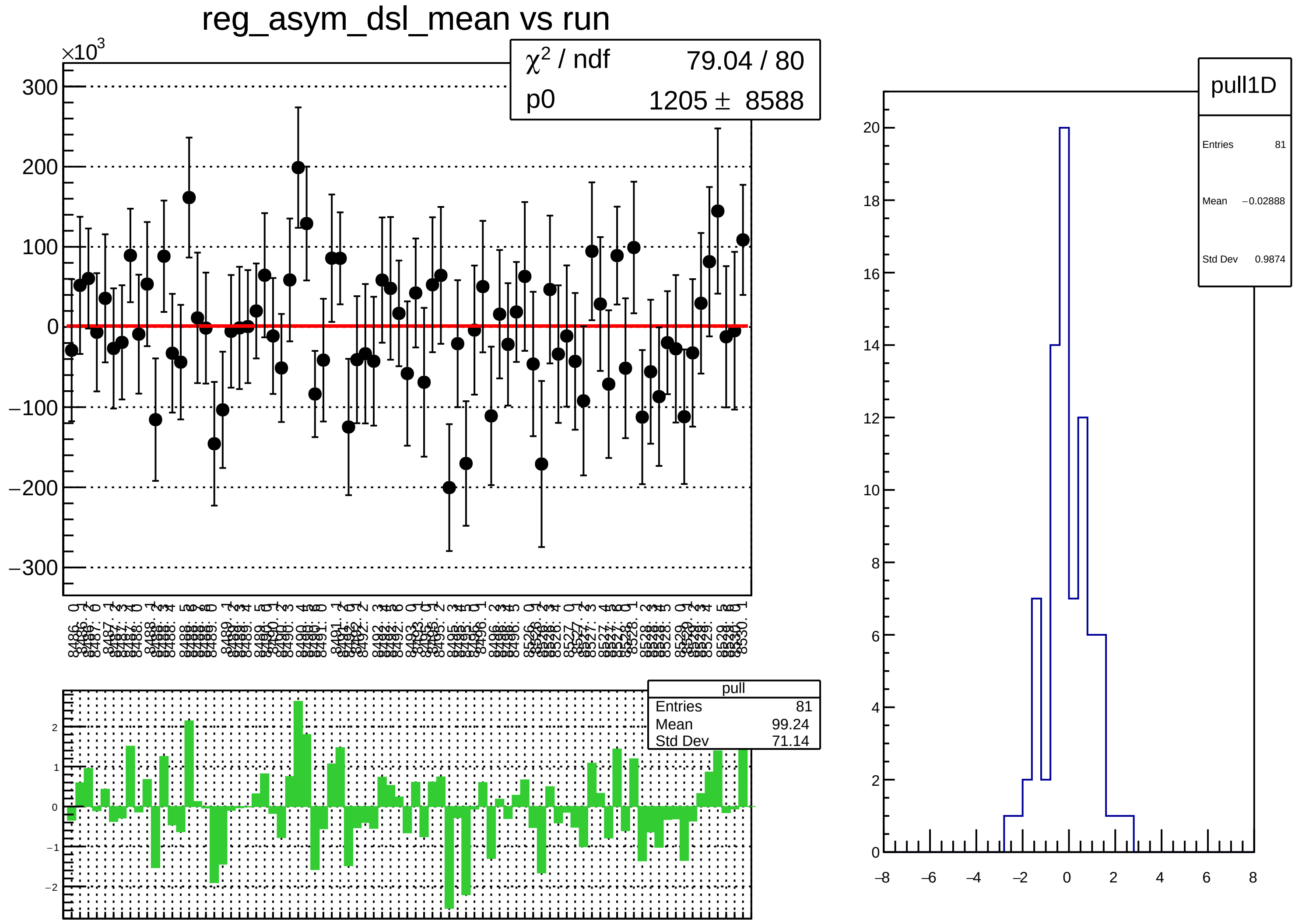


asym_usr_correction_rms vs run
χ^2 / ndf 6021 / 80
p0 2342 ± 1.842
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000

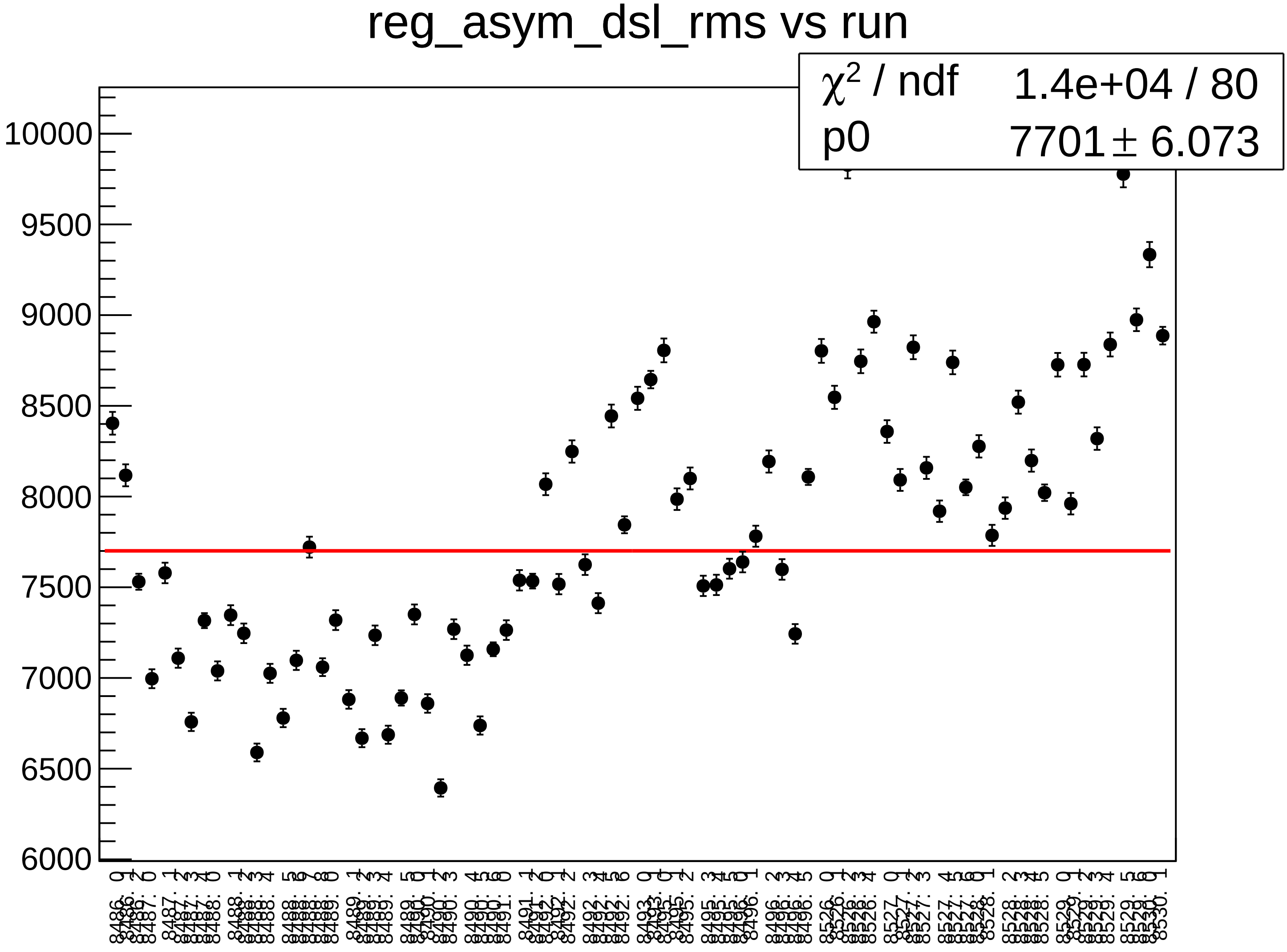

asym_usr_mean vs run
×10^3
χ2 / ndf 89.08 / 80
p0 −904.1 ± 2866
100
50
0
−50
−100
pull
Entries 81
Mean 19.08
Std Dev 16.32
pull1D
Entries 81
Mean 0.03166
Std Dev 1.048



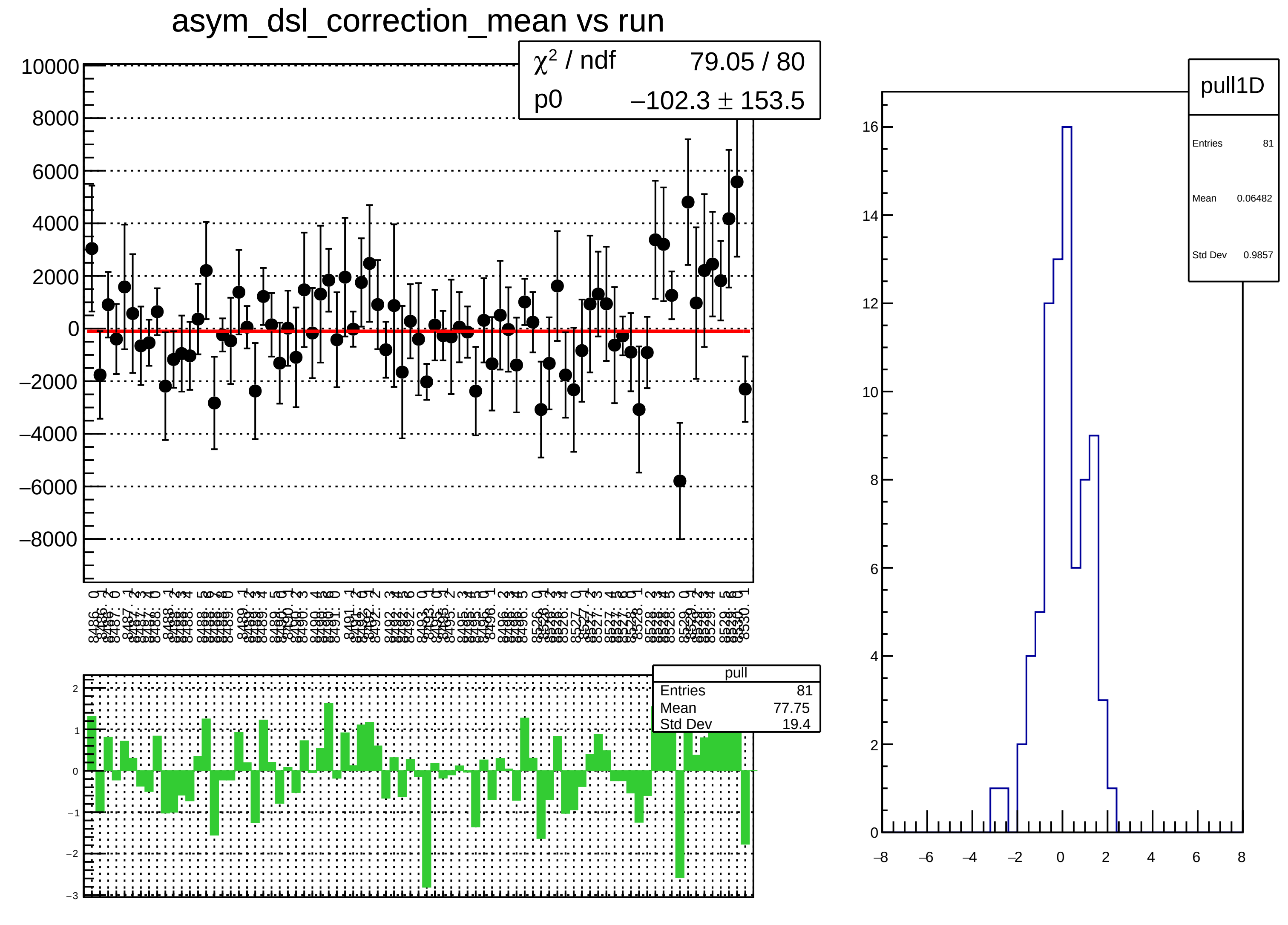
asym_usr_rms vs run
χ^2 / ndf 4170 / 80
p0 2578 ± 2.027
3100
3000
2900
2800
2700
2600
2500
2400
2300

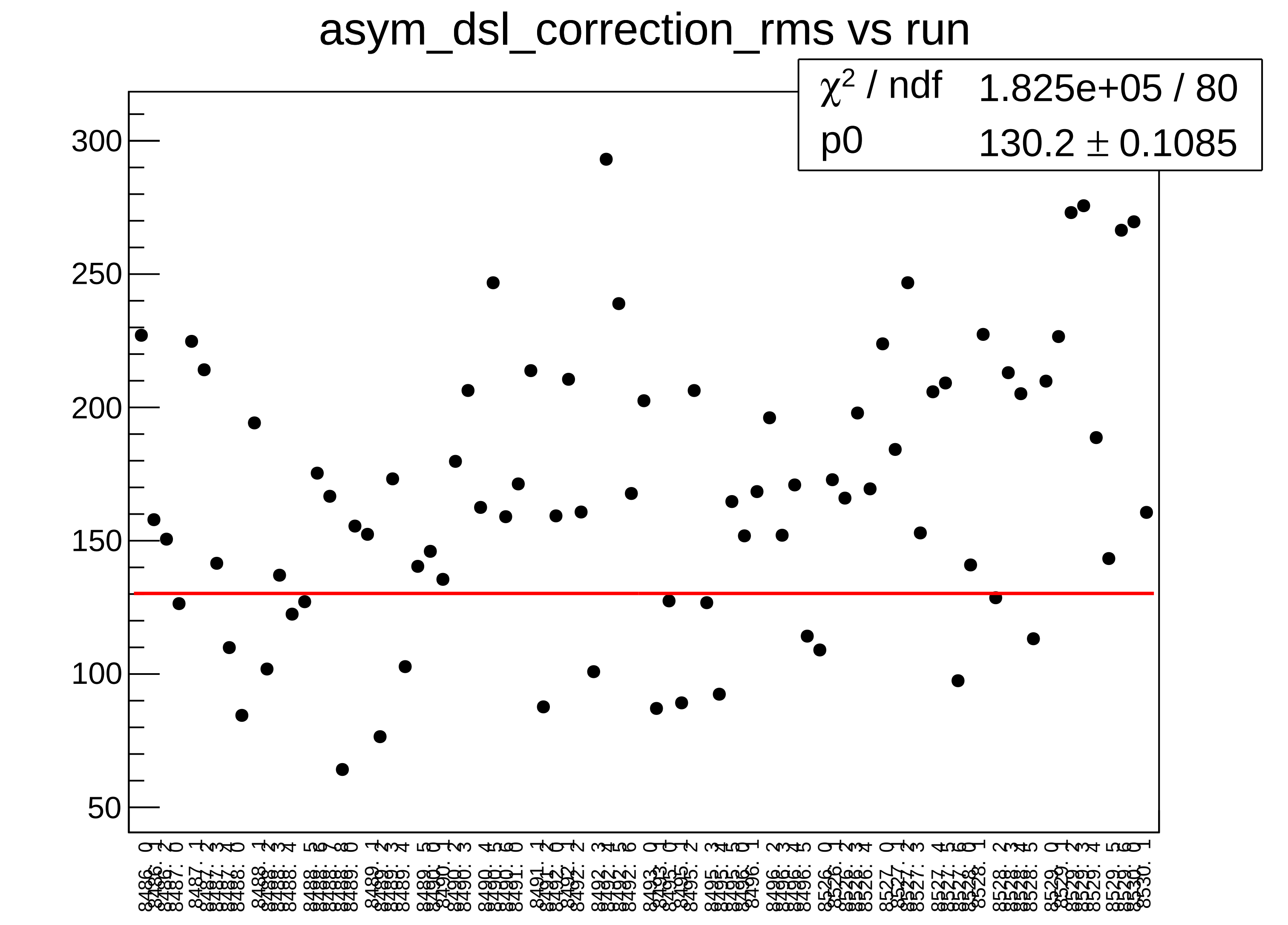


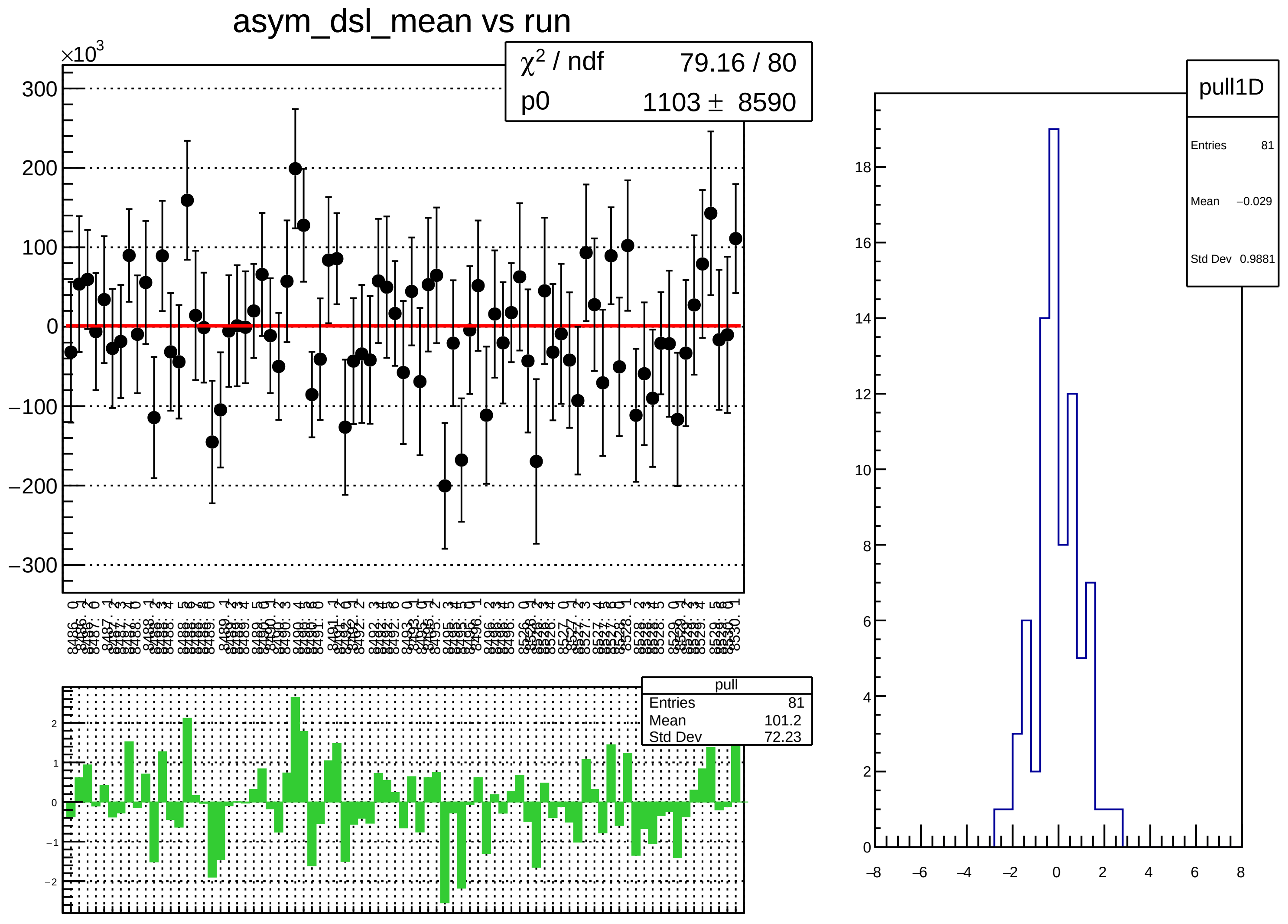
reg_asym_dsl_mean vs run
χ2 / ndf 79.04 / 80
p0 1205 ± 8588
pull
Entries 81
Mean 99.24
Std Dev 71.14
pull1D
Entries 81
Mean −0.02888
Std Dev 0.9874



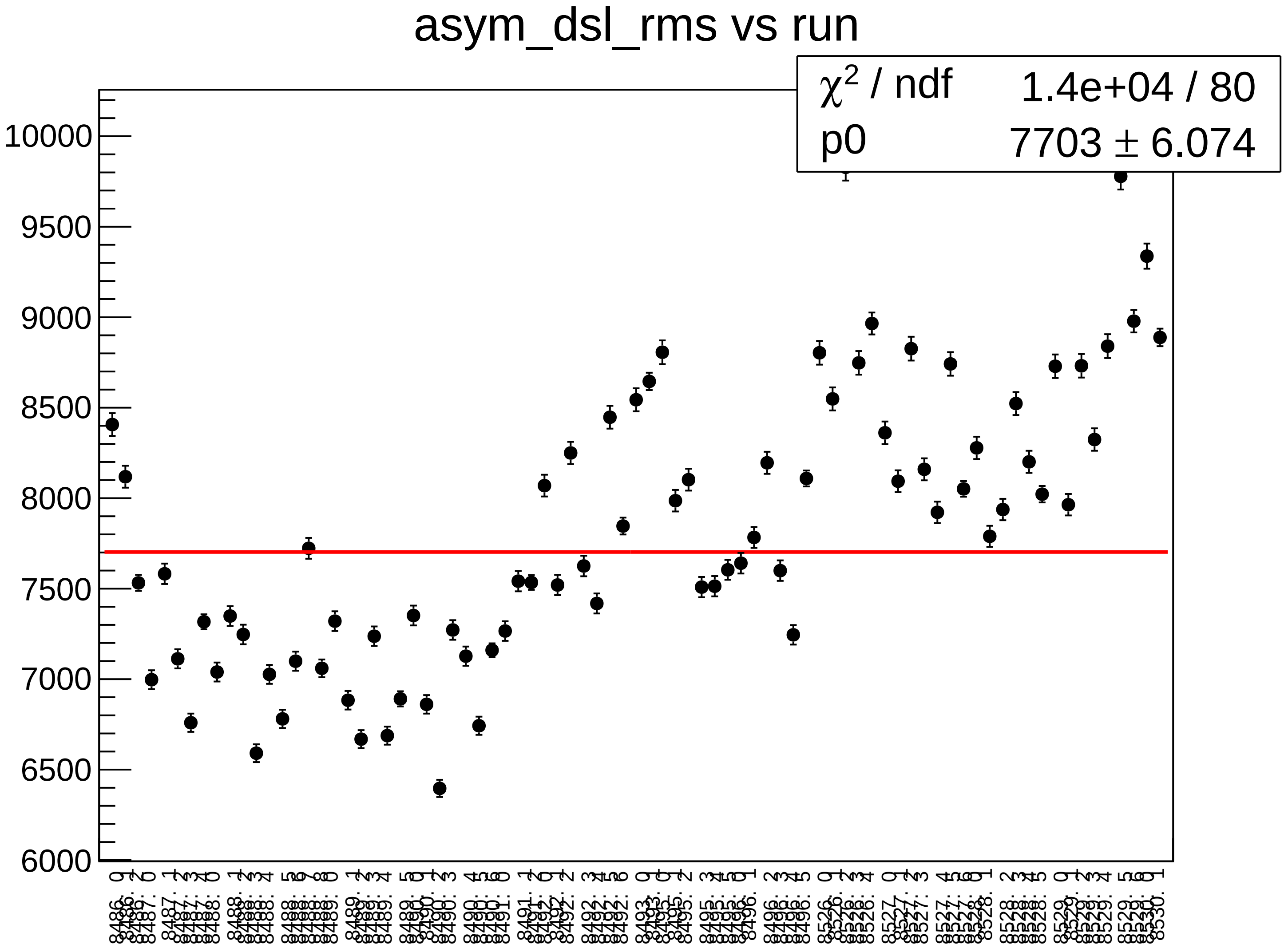
reg_asym_dsl_rms vs run
χ^2 / ndf 1.4e+04 / 80
p0 7701 ± 6.073
10000
9500
9000
8500
8000
7500
7000
6500
6000


asym_dsl_correction_mean vs run
χ² / ndf 79.05 / 80
p0 −102.3 ± 153.5
pull
Entries 81
Mean 77.75
Std Dev 19.4
pull1D
Entries 81
Mean 0.06482
Std Dev 0.9857

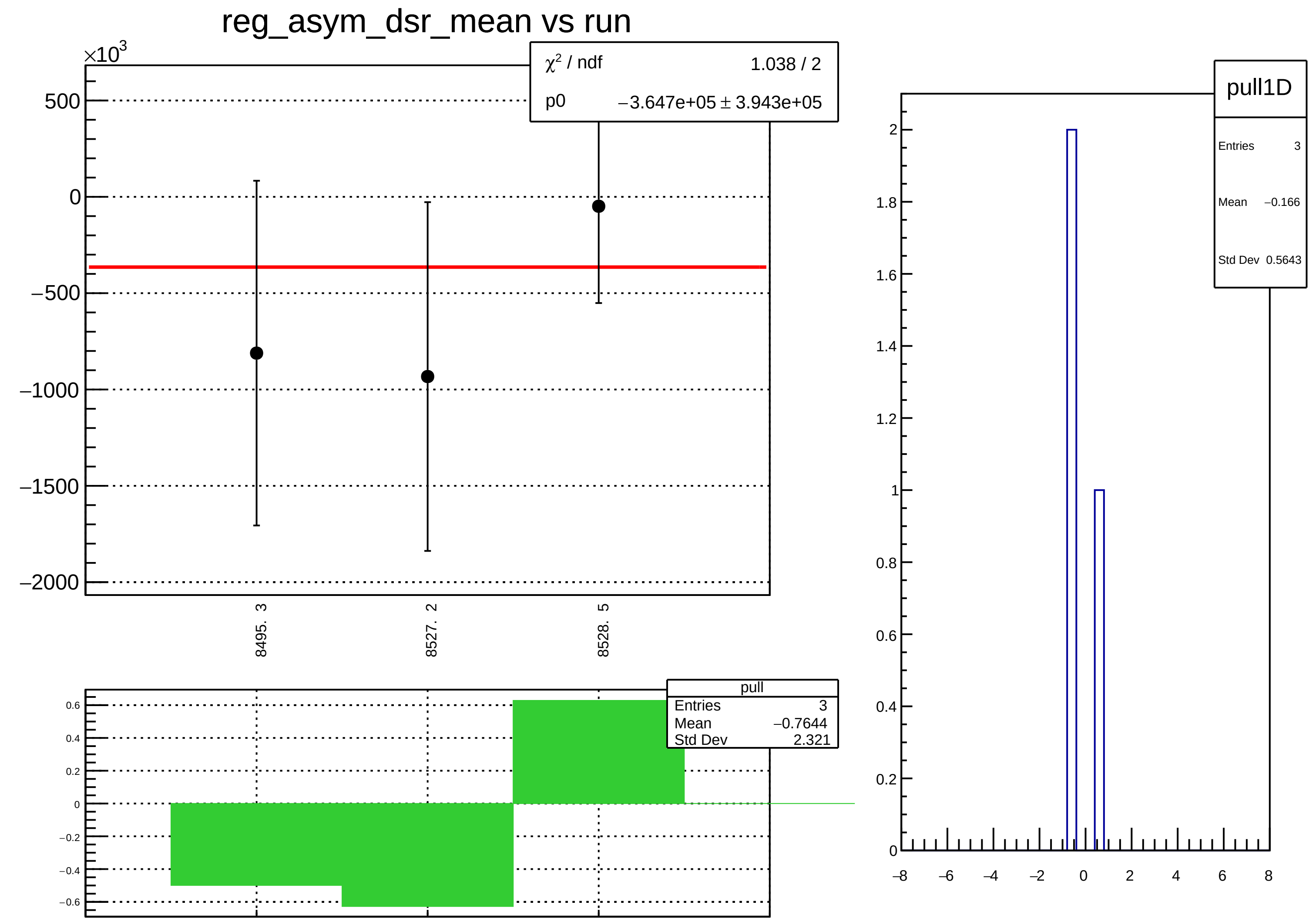

asym_dsl_correction_rms vs run
χ^2 / ndf 1.825e+05 / 80
p0 130.2 ± 0.1085
300
250
200
150
100
50

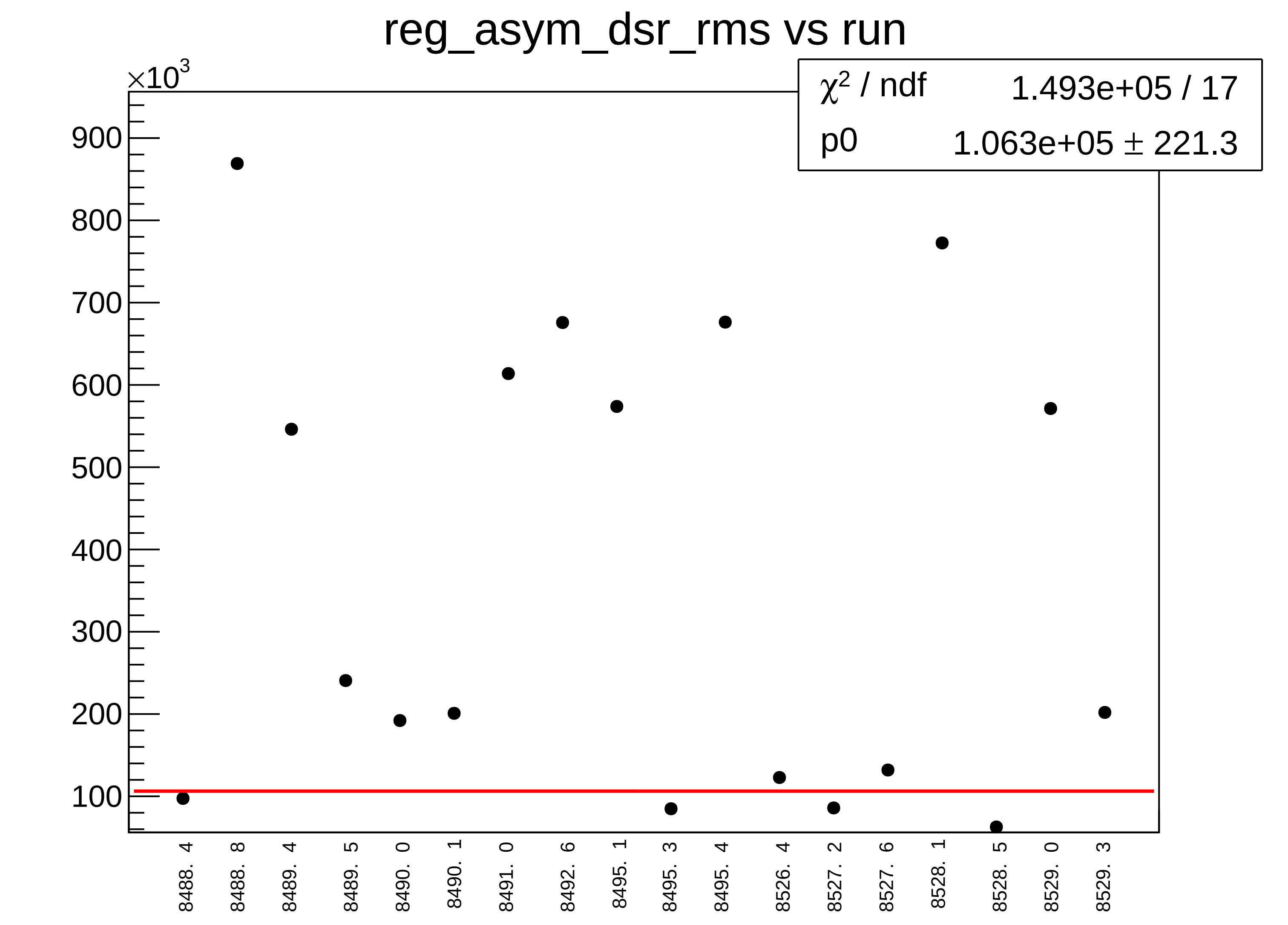


asym_dsl_mean vs run
χ2 / ndf 79.16 / 80
p0 1103 ± 8590
×10^3
pull
Entries 81
Mean 101.2
Std Dev 72.23
pull1D
Entries 81
Mean −0.029
Std Dev 0.9881

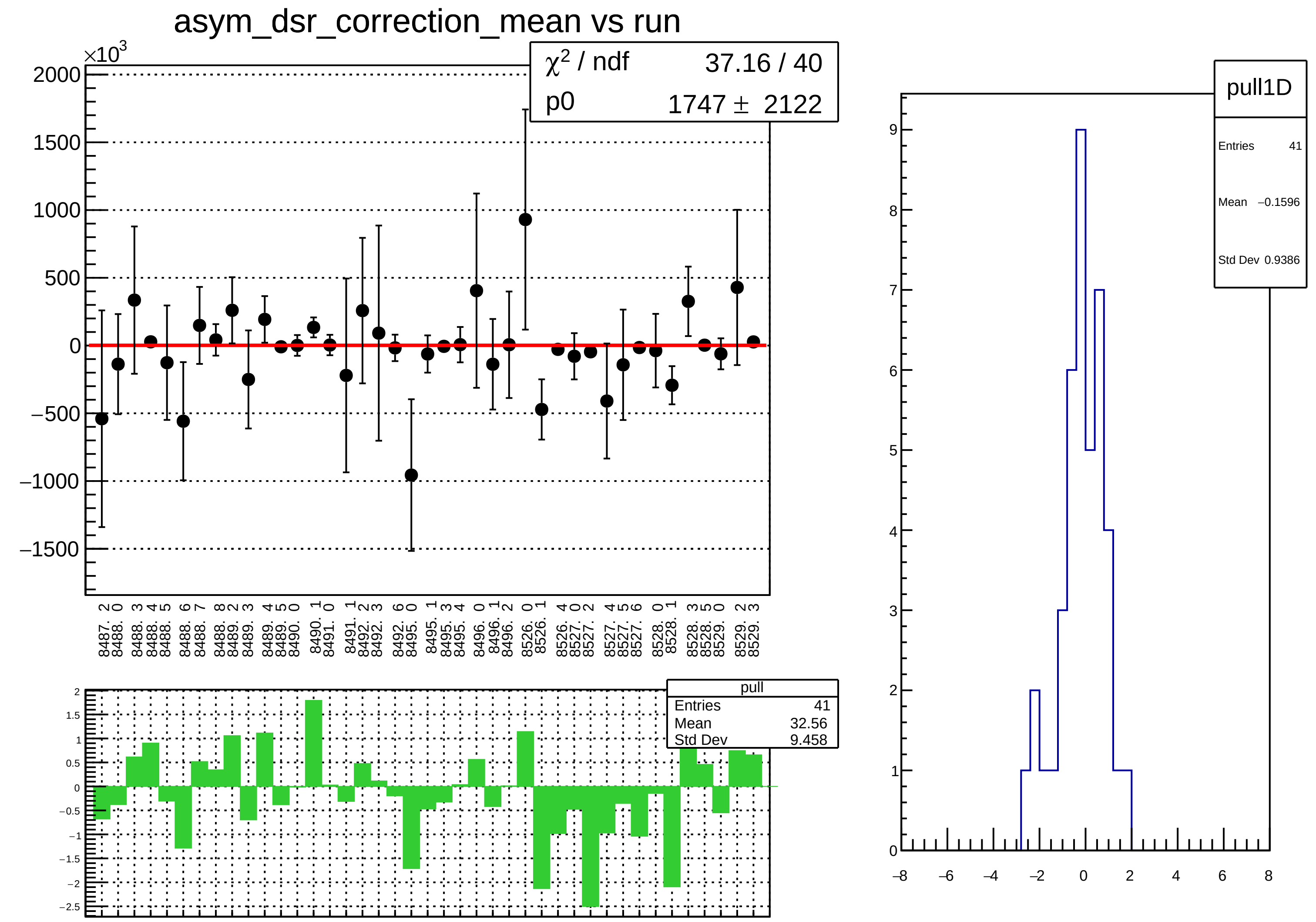


asym_dsl_rms vs run
χ^2 / ndf 1.4e+04 / 80
p0 7703 ± 6.074
10000
9500
9000
8500
8000
7500
7000
6500
6000

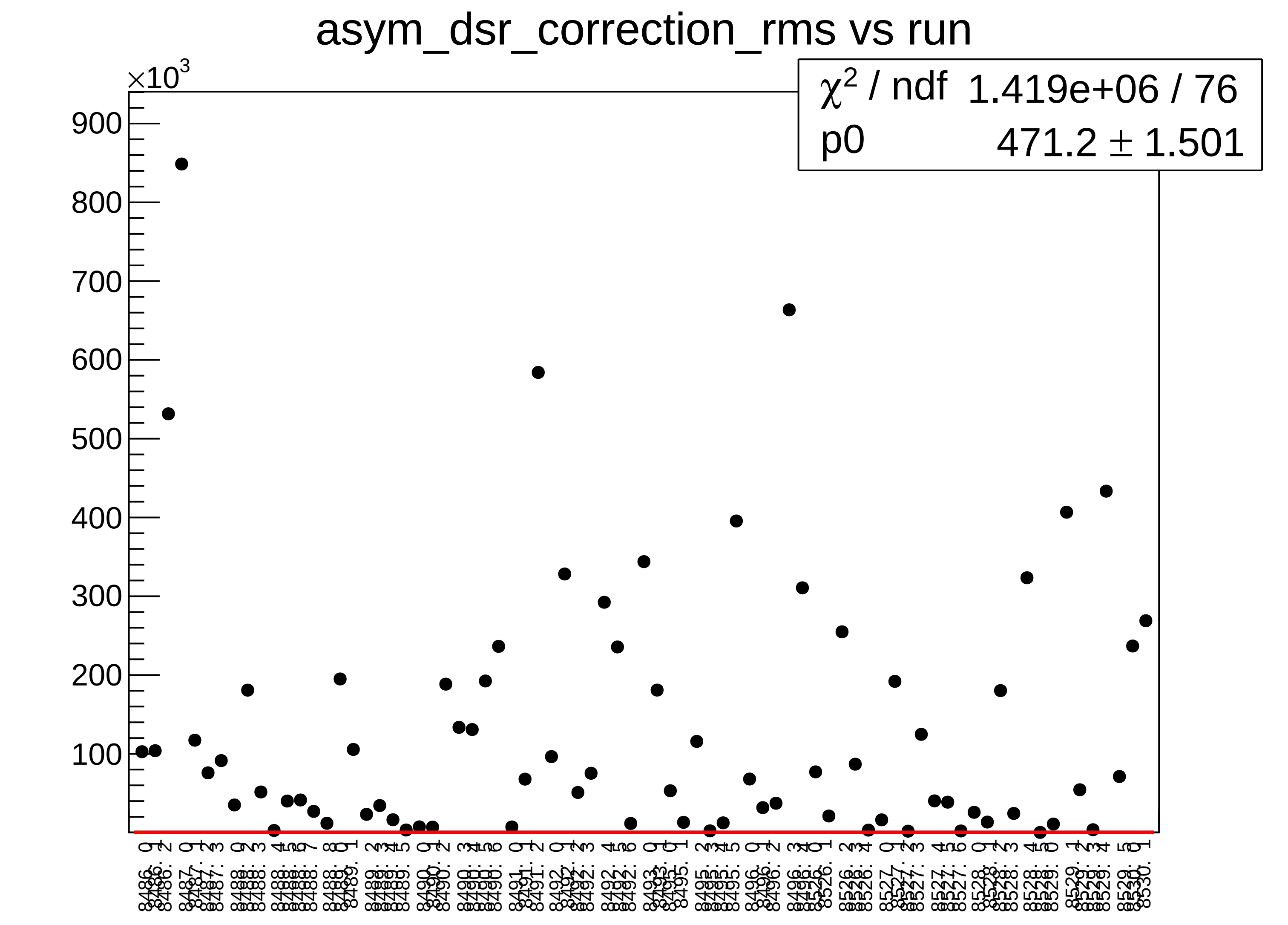

reg_asym_dsr_mean vs run
×10^3
χ2 / ndf 1.038 / 2
p0 −3.647e+05 ± 3.943e+05
500
0
−500
−1000
−1500
−2000
8495. 3
8527. 2
8528. 5
pull
Entries 3
Mean −0.7644
Std Dev 2.321
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 3
Mean −0.166
Std Dev 0.5643
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



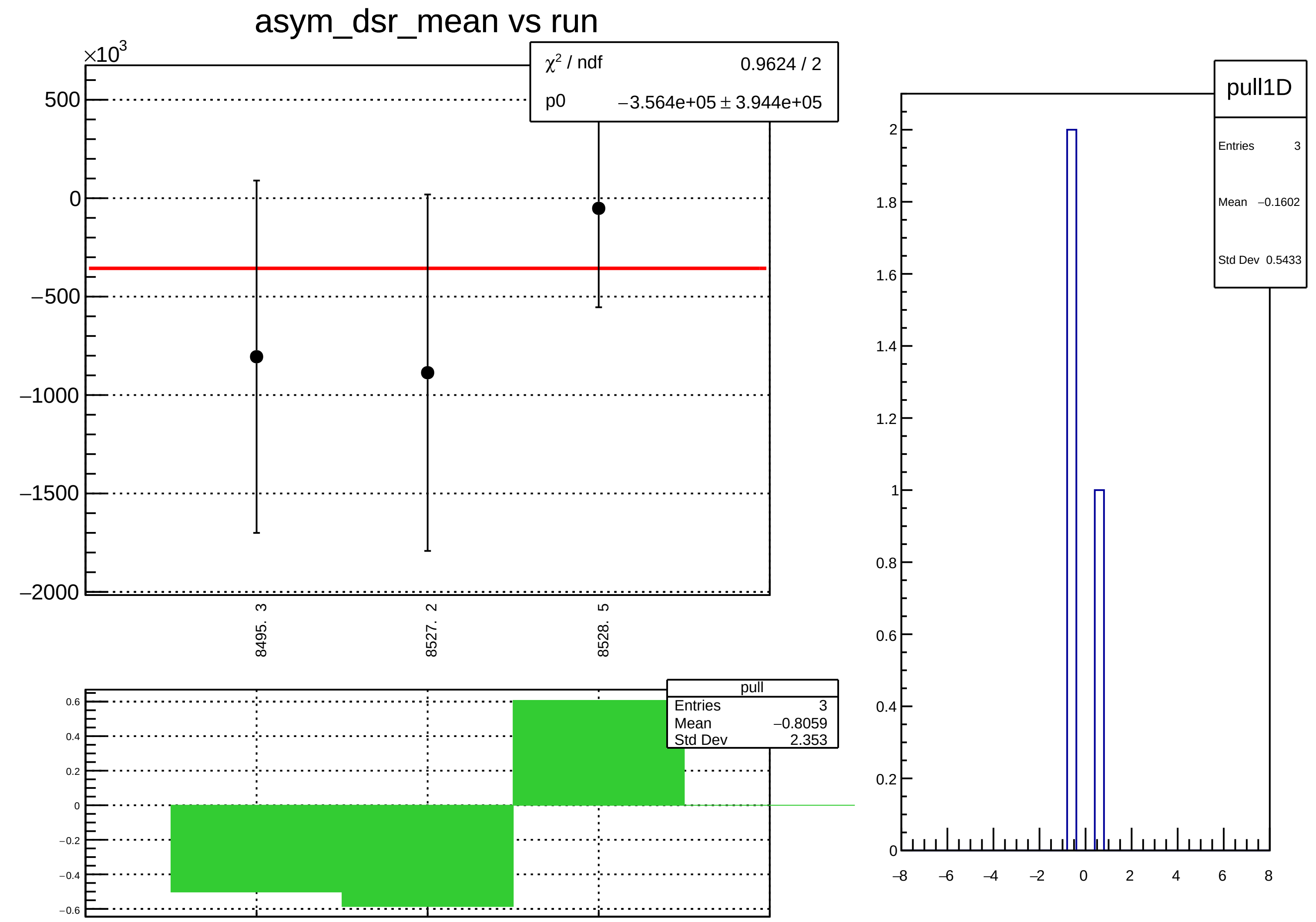
reg_asym_dsr_rms vs run
×10^3
χ2 / ndf 1.493e+05 / 17
p0 1.063e+05 ± 221.3
900
800
700
600
500
400
300
200
100
8488. 4
8488. 8
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8526. 4
8527. 2
8527. 6
8528. 1
8528. 5
8529. 0
8529. 3



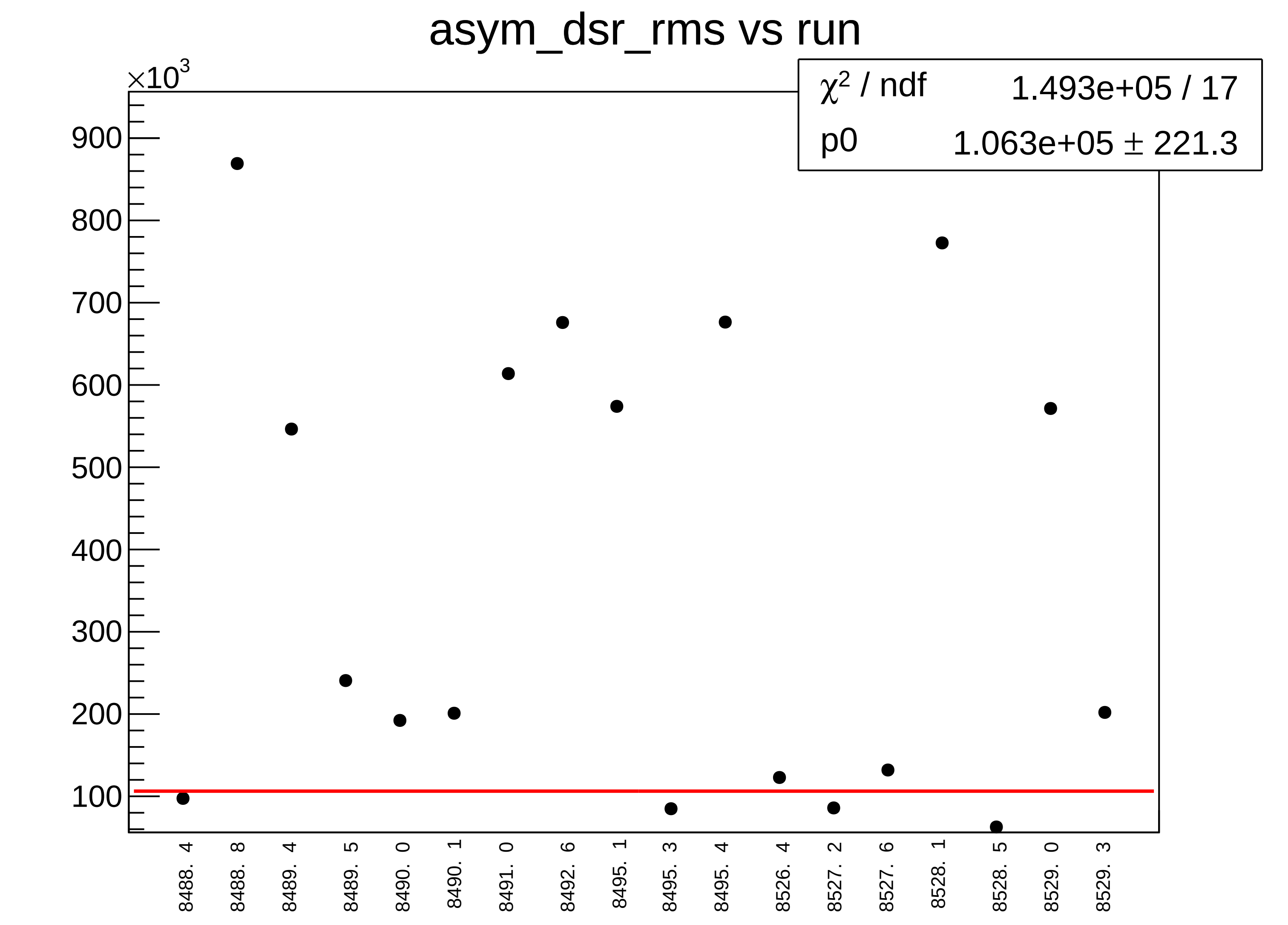
asym_dsr_correction_mean vs run
×10^3
χ2 / ndf 37.16 / 40
p0 1747 ± 2122
pull
Entries 41
Mean 32.56
Std Dev 9.458
pull1D
Entries 41
Mean −0.1596
Std Dev 0.9386



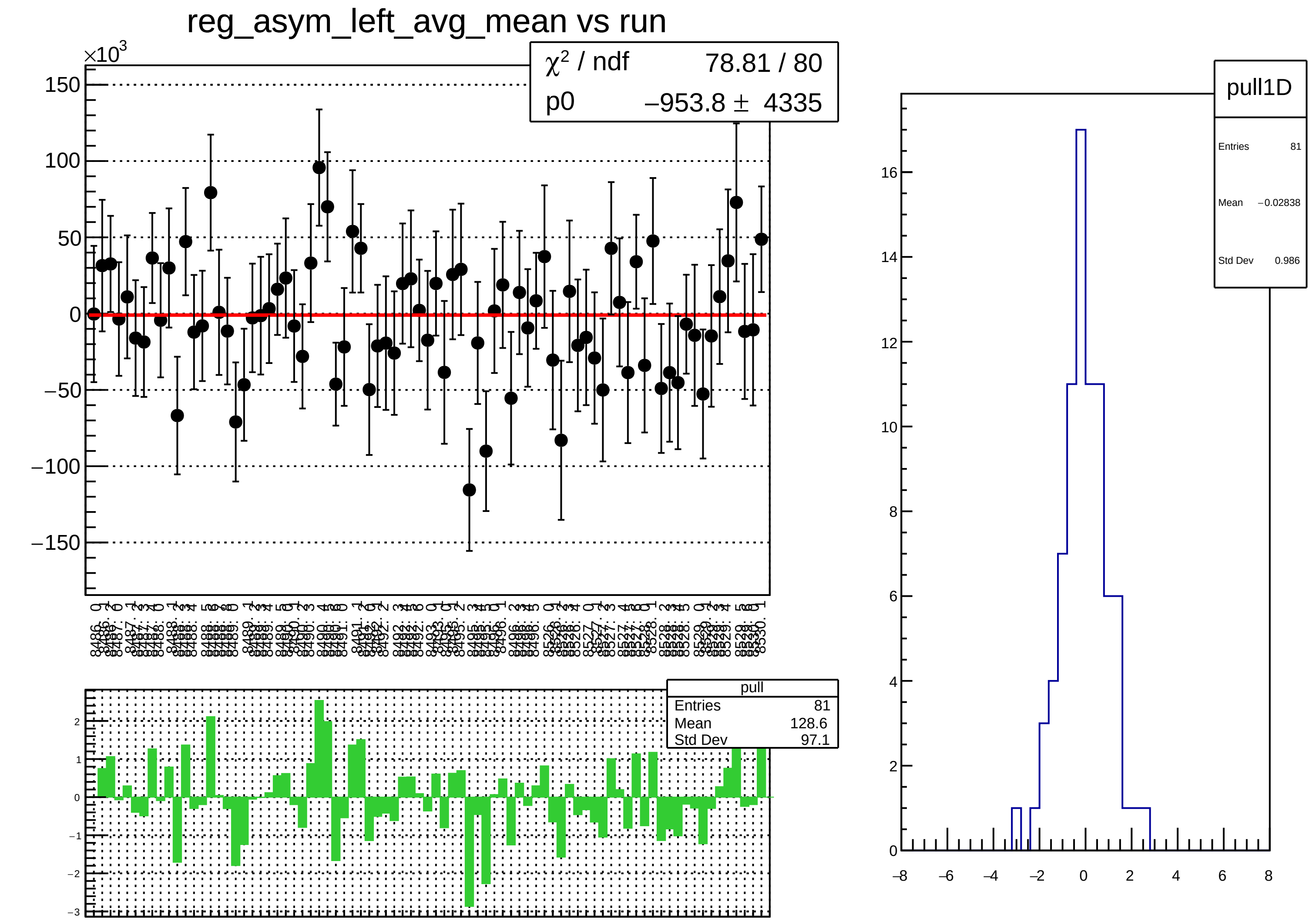
asym_dsr_correction_rms vs run
χ^2 / ndf 1.419e+06 / 76
p0 471.2 ± 1.501
$\times 10^3$
900
800
700
600
500
400
300
200
100



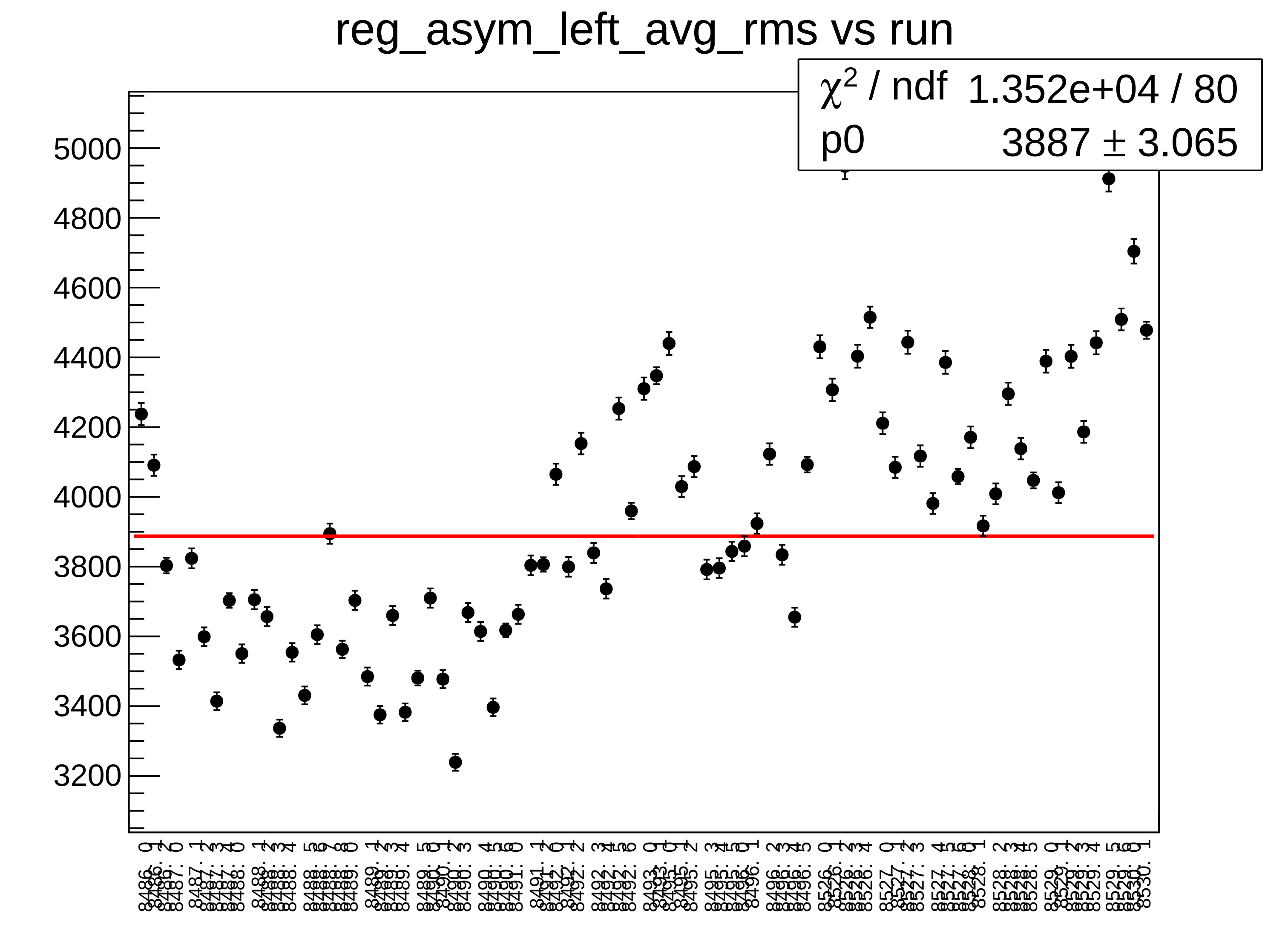
asym_dsr_mean vs run
×10^3
χ2 / ndf 0.9624 / 2
p0 −3.564e+05 ± 3.944e+05
500
0
−500
−1000
−1500
−2000
8495. 3
8527. 2
8528. 5
pull
Entries 3
Mean −0.8059
Std Dev 2.353
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 3
Mean −0.1602
Std Dev 0.5433
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



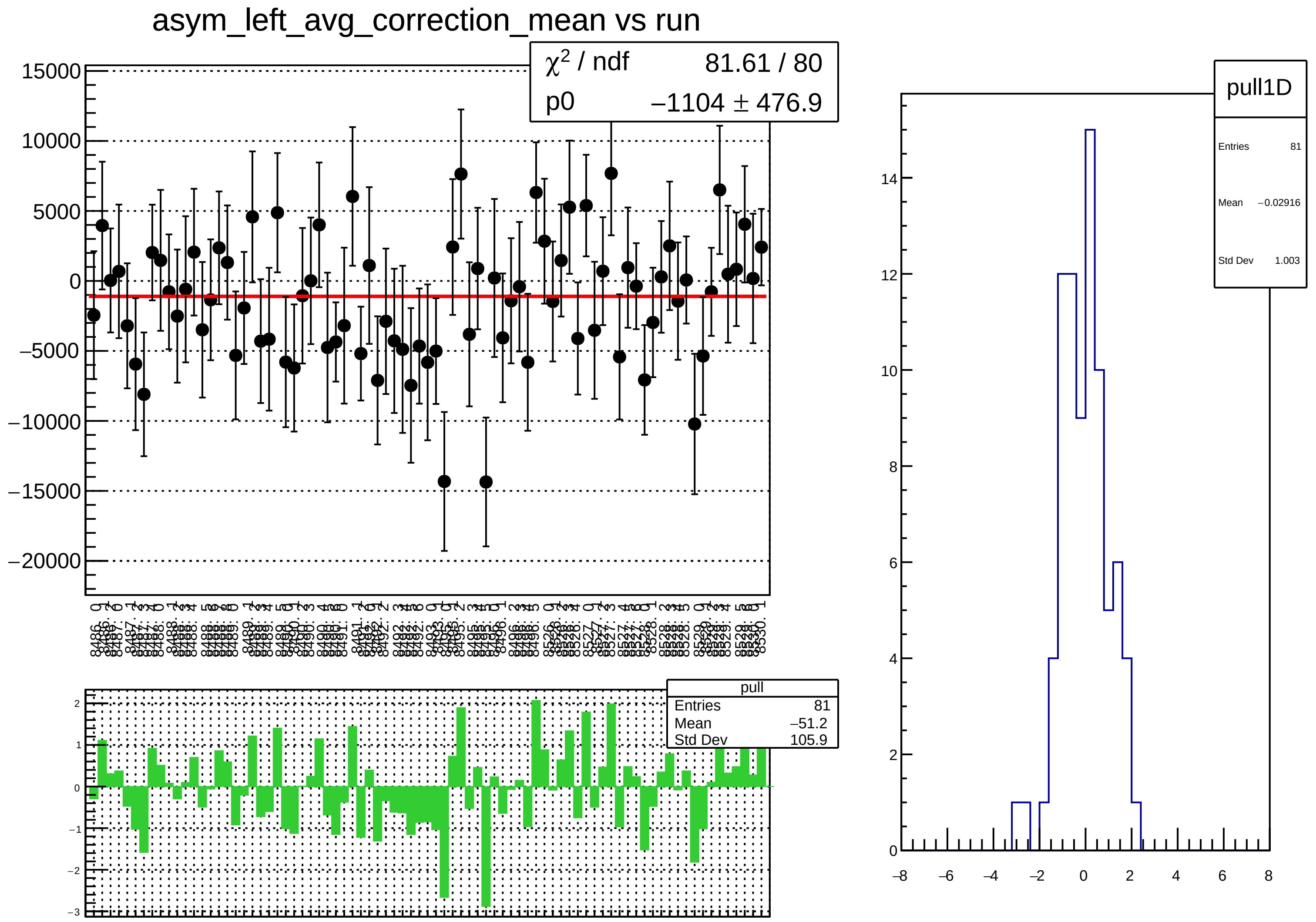
asym_dsr_rms vs run
$\times10^3$
χ^2 / ndf 1.493e+05 / 17
p0 1.063e+05 ± 221.3
900
800
700
600
500
400
300
200
100
8488. 4
8488. 8
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8526. 4
8527. 2
8527. 6
8528. 1
8528. 5
8529. 0
8529. 3



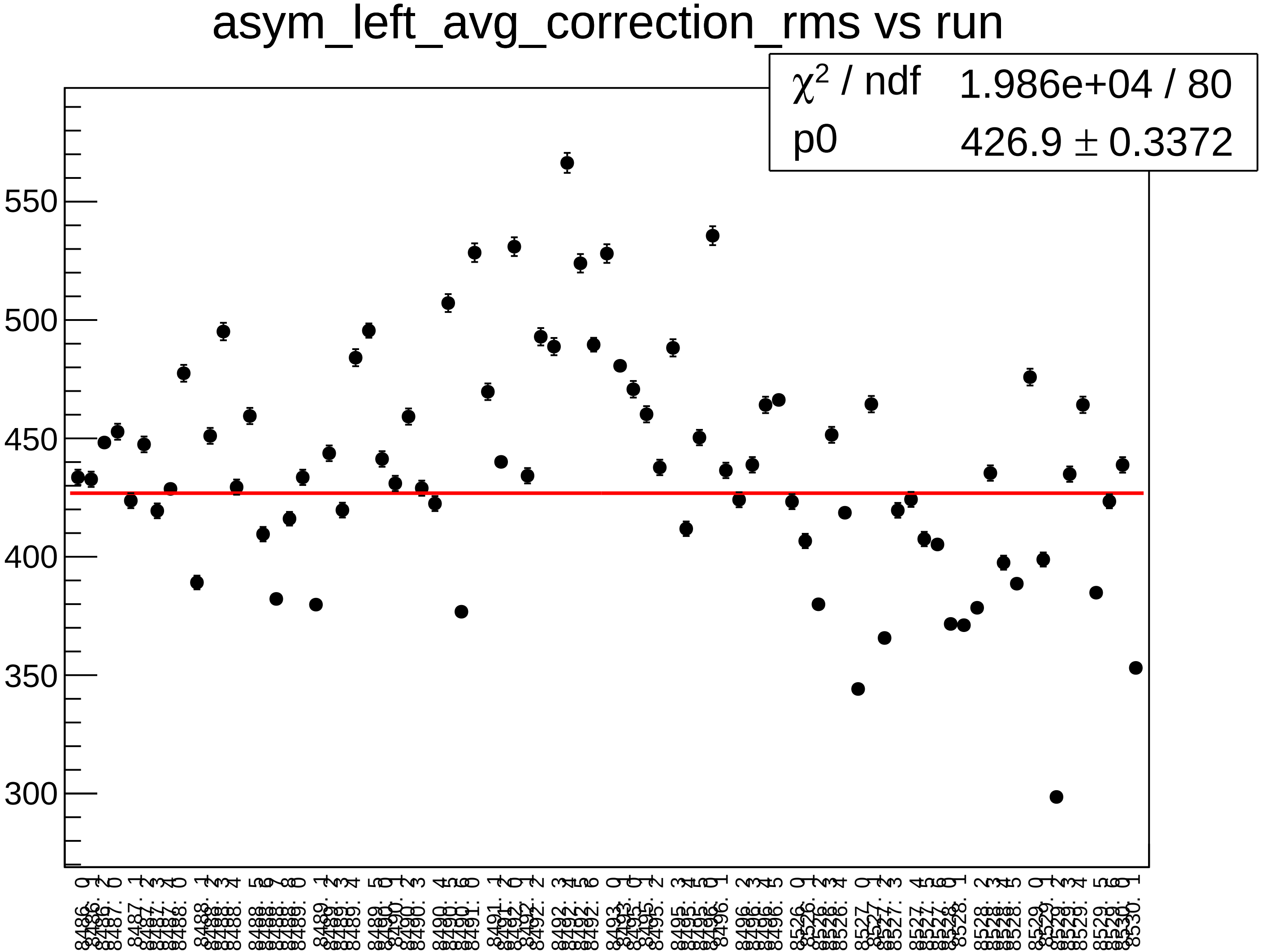
reg_asym_left_avg_mean vs run
×10^3
χ^2 / ndf 78.81 / 80
p0 −953.8 ± 4335
pull
Entries 81
Mean 128.6
Std Dev 97.1
pull1D
Entries 81
Mean −0.02838
Std Dev 0.986



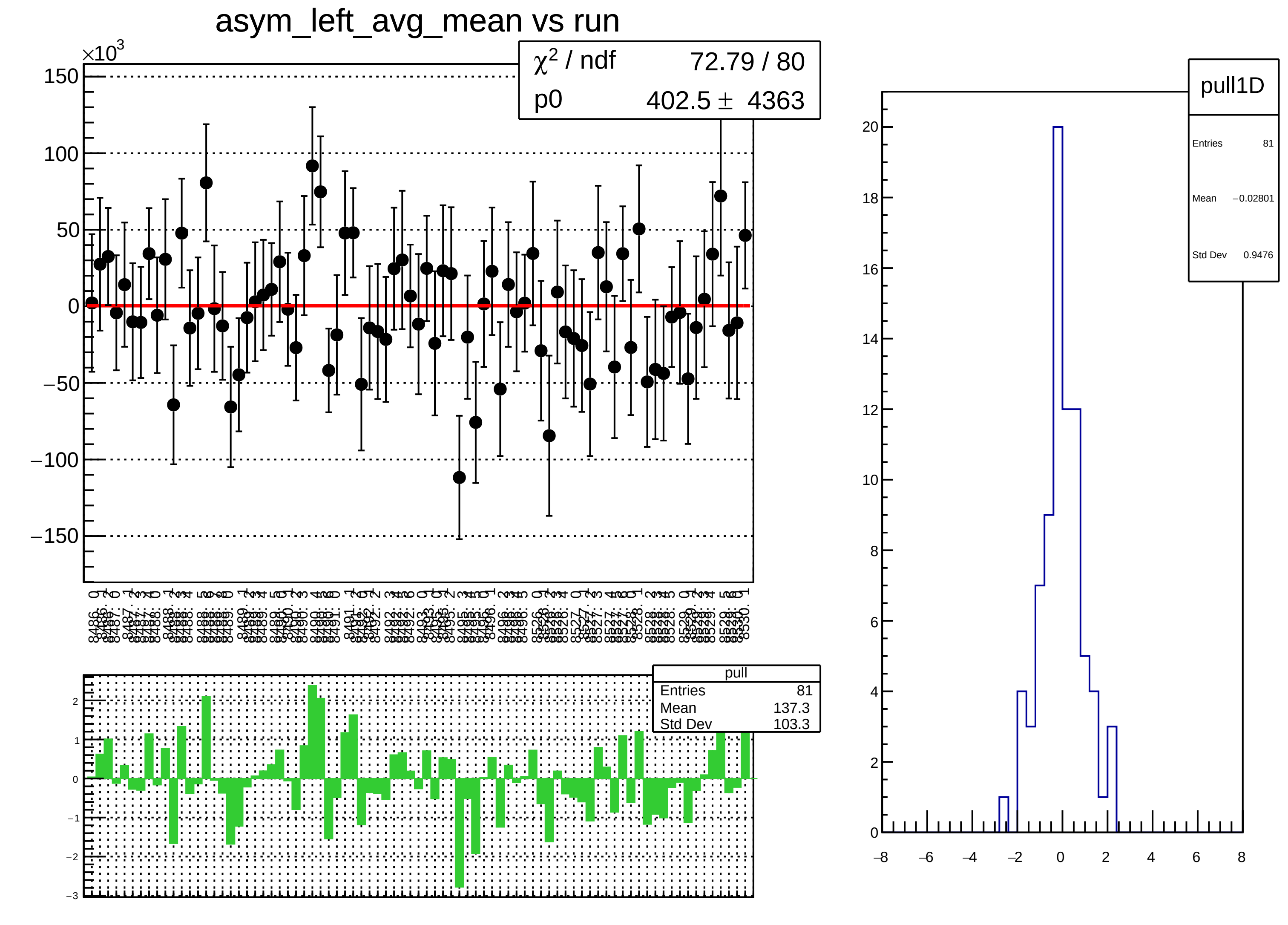
reg_asym_left_avg_rms vs run
χ^2 / ndf 1.352e+04 / 80
p0 3887 ± 3.065
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

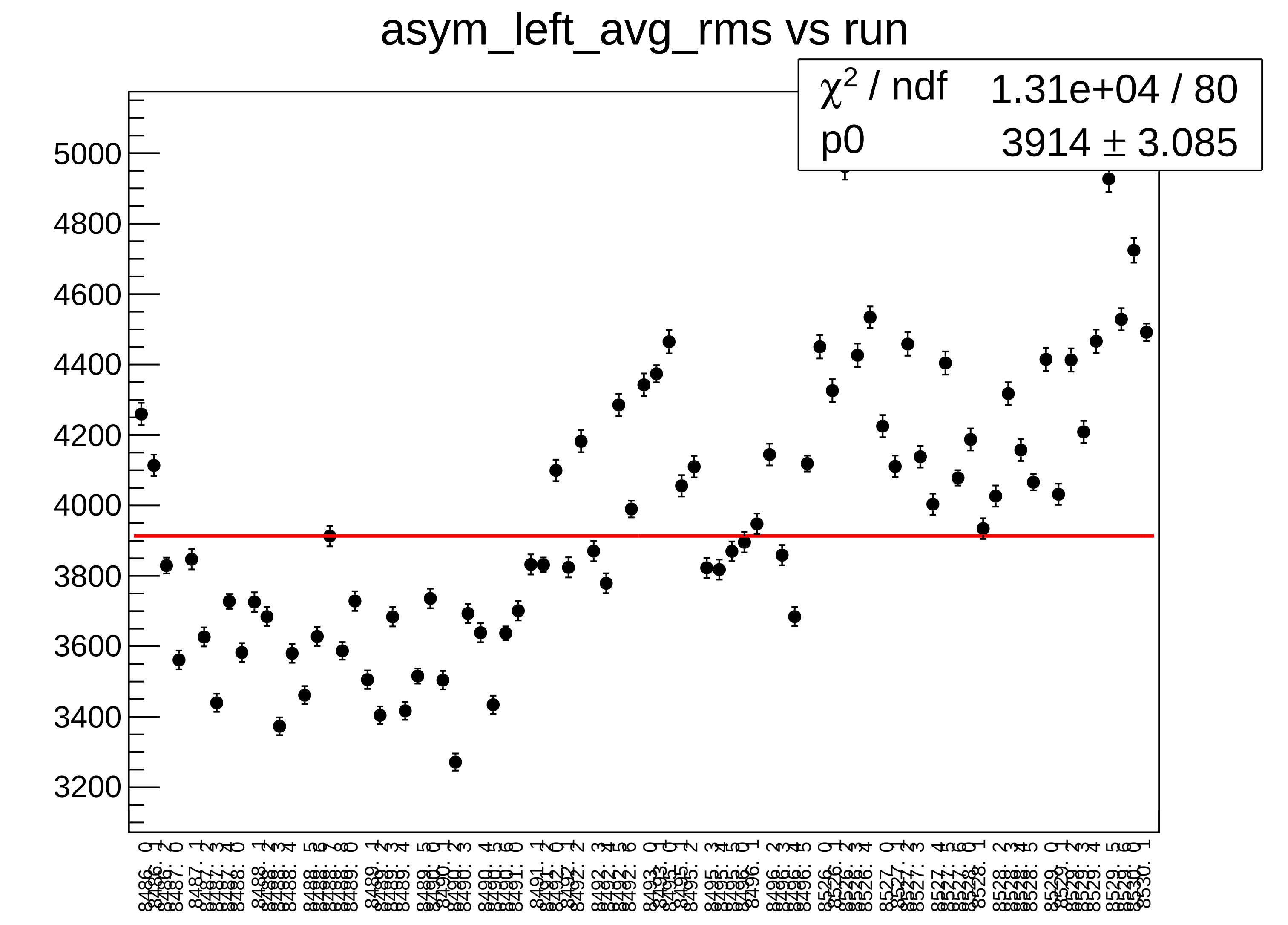


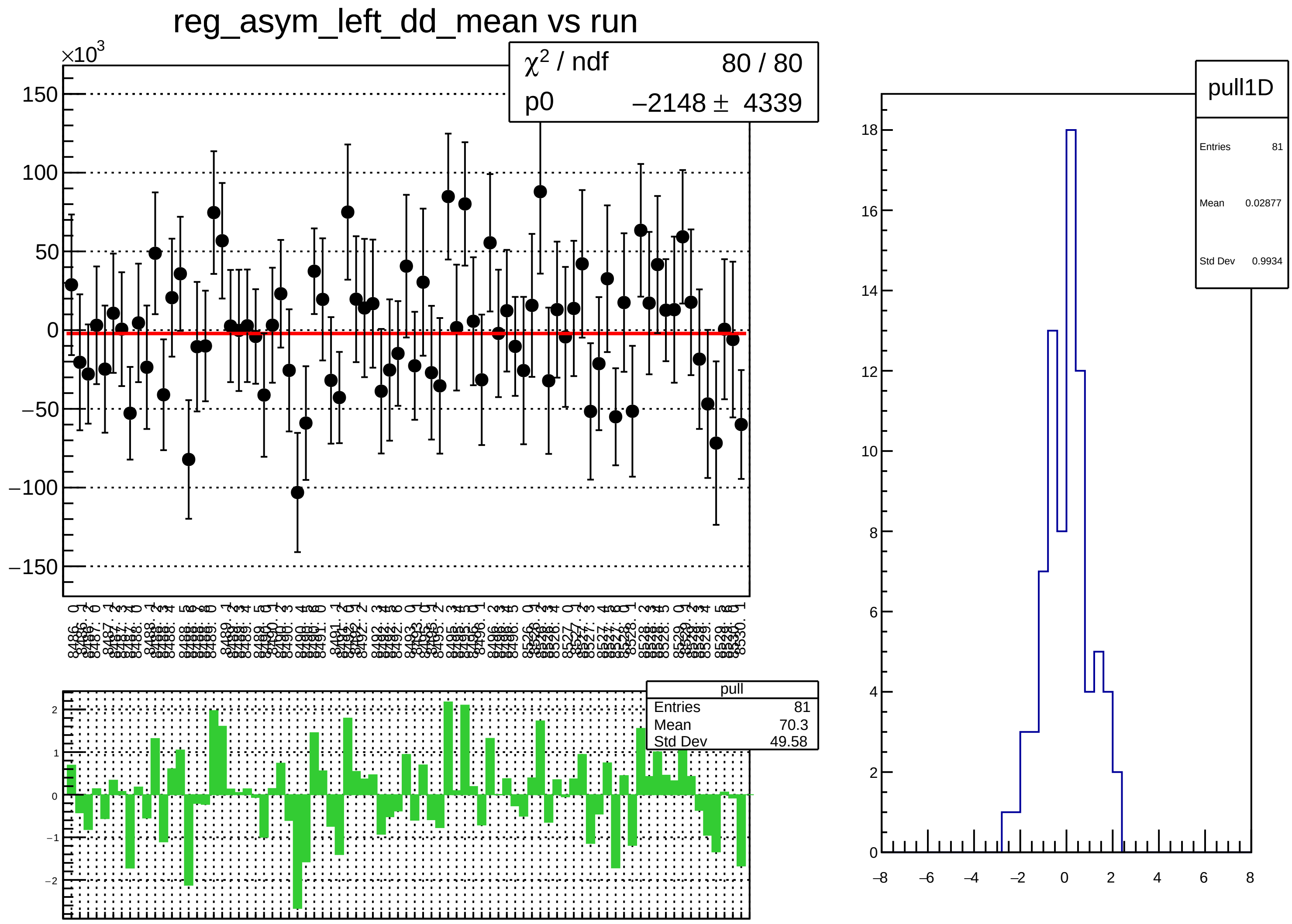
asym_left_avg_correction_mean vs run
χ^2 / ndf 81.61 / 80
p0 −1104 ± 476.9
pull
Entries 81
Mean −51.2
Std Dev 105.9
pull1D
Entries 81
Mean −0.02916
Std Dev 1.003



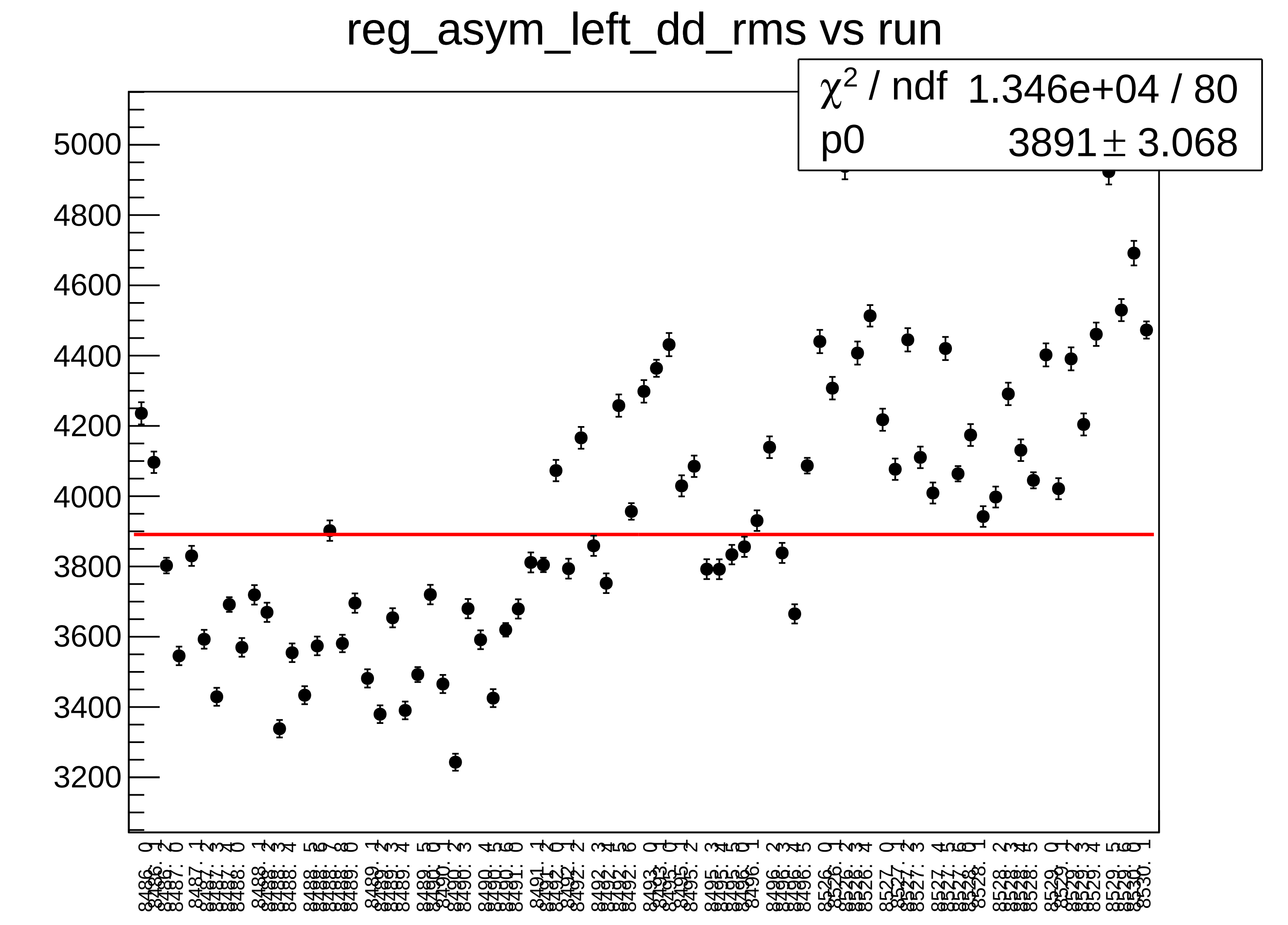
asym_left_avg_correction_rms vs run
χ^2 / ndf 1.986e+04 / 80
p0 426.9 ± 0.3372
550
500
450
400
350
300

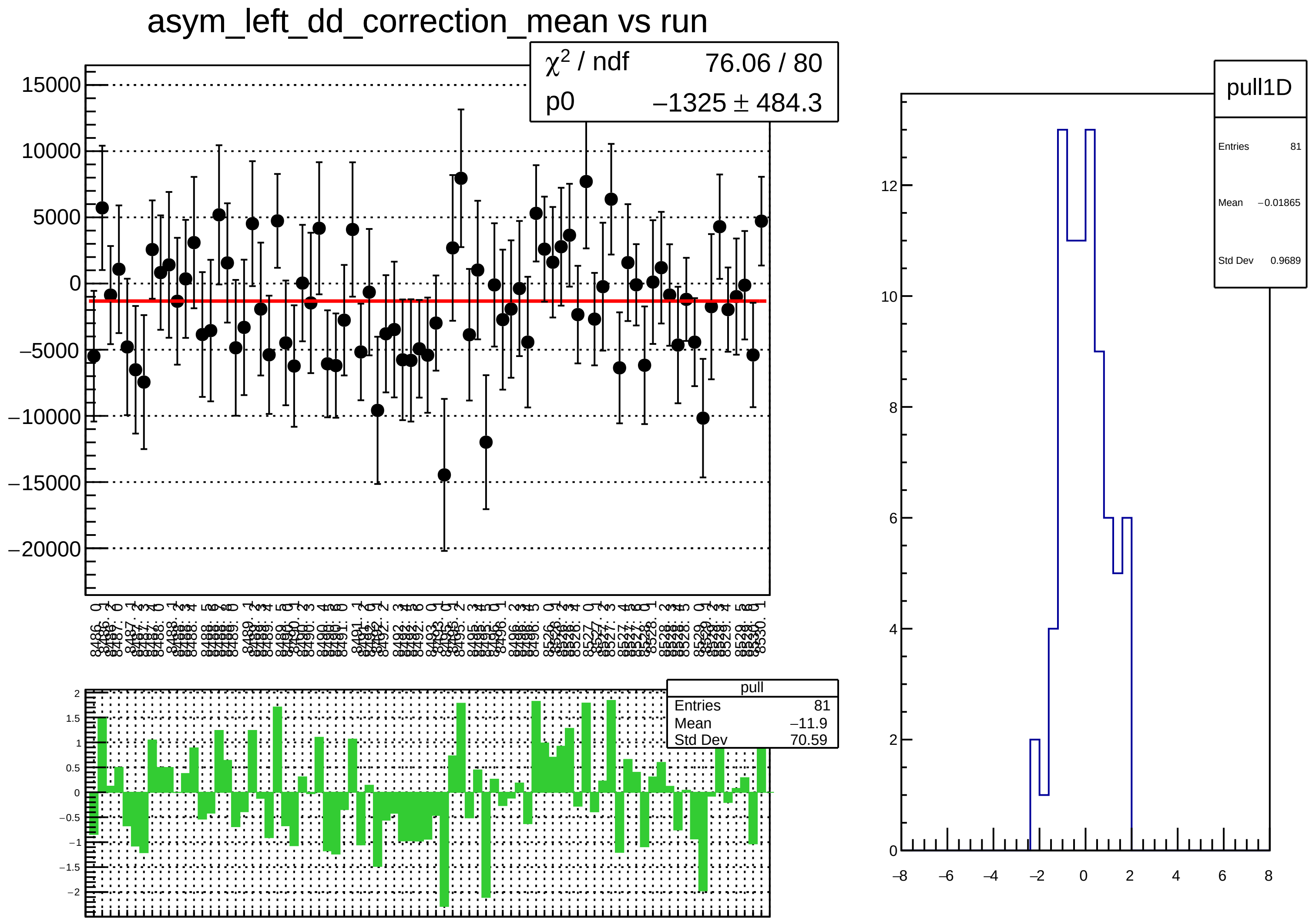

asym_left_avg_mean vs run
χ^2 / ndf 72.79 / 80
p0 402.5 ± 4363
×10^3
pull
Entries 81
Mean 137.3
Std Dev 103.3
pull1D
Entries 81
Mean −0.02801
Std Dev 0.9476


asym_left_avg_rms vs run
χ^2 / ndf 1.31e+04 / 80
p0 3914 ± 3.085
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

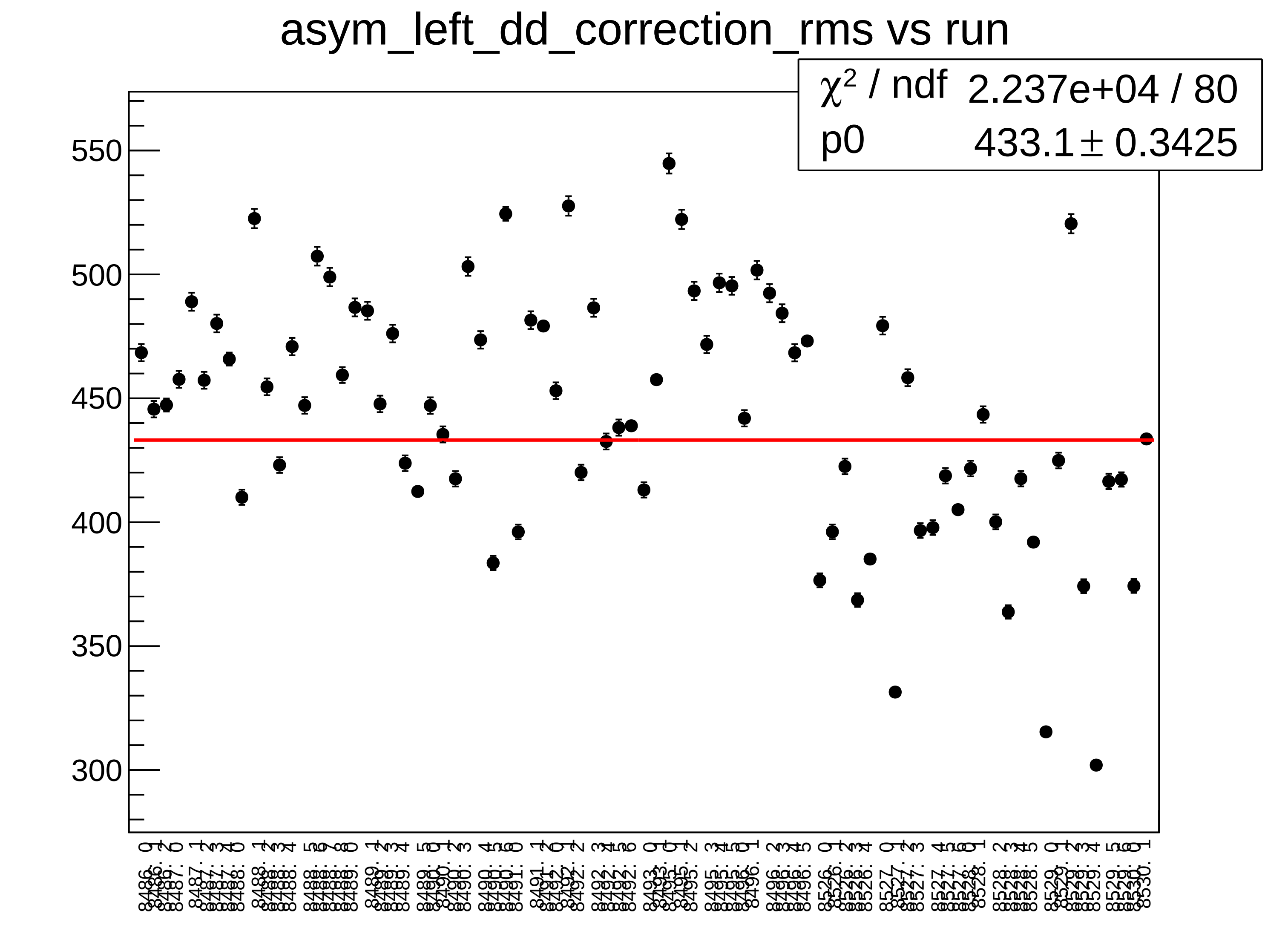


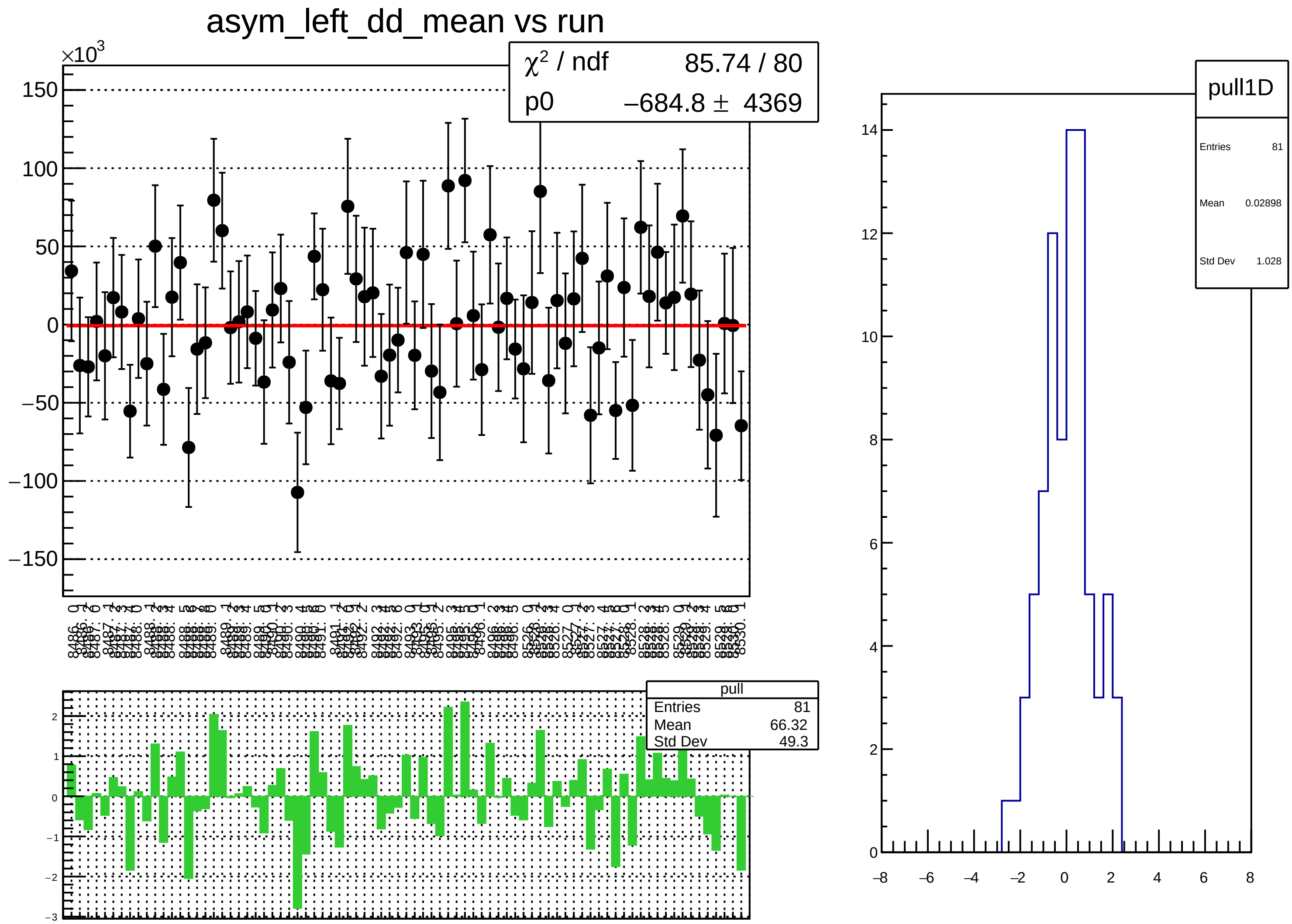
reg_asym_left_dd_mean vs run
χ2 / ndf 80 / 80
p0 −2148 ± 4339
pull
Entries 81
Mean 70.3
Std Dev 49.58
pull1D
Entries 81
Mean 0.02877
Std Dev 0.9934


reg_asym_left_dd_rms vs run
χ^2 / ndf 1.346e+04 / 80
p0 3891 ± 3.068
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

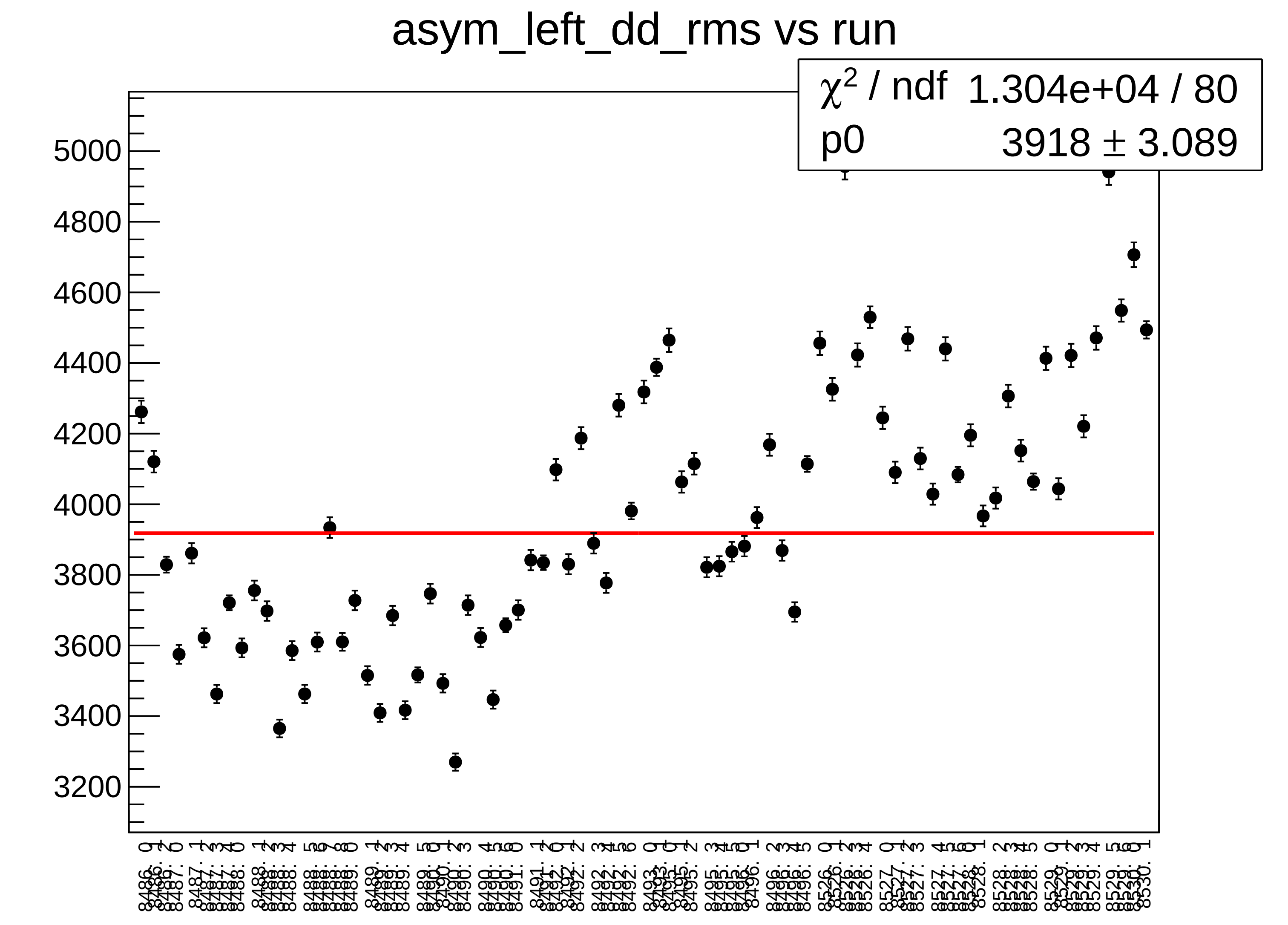


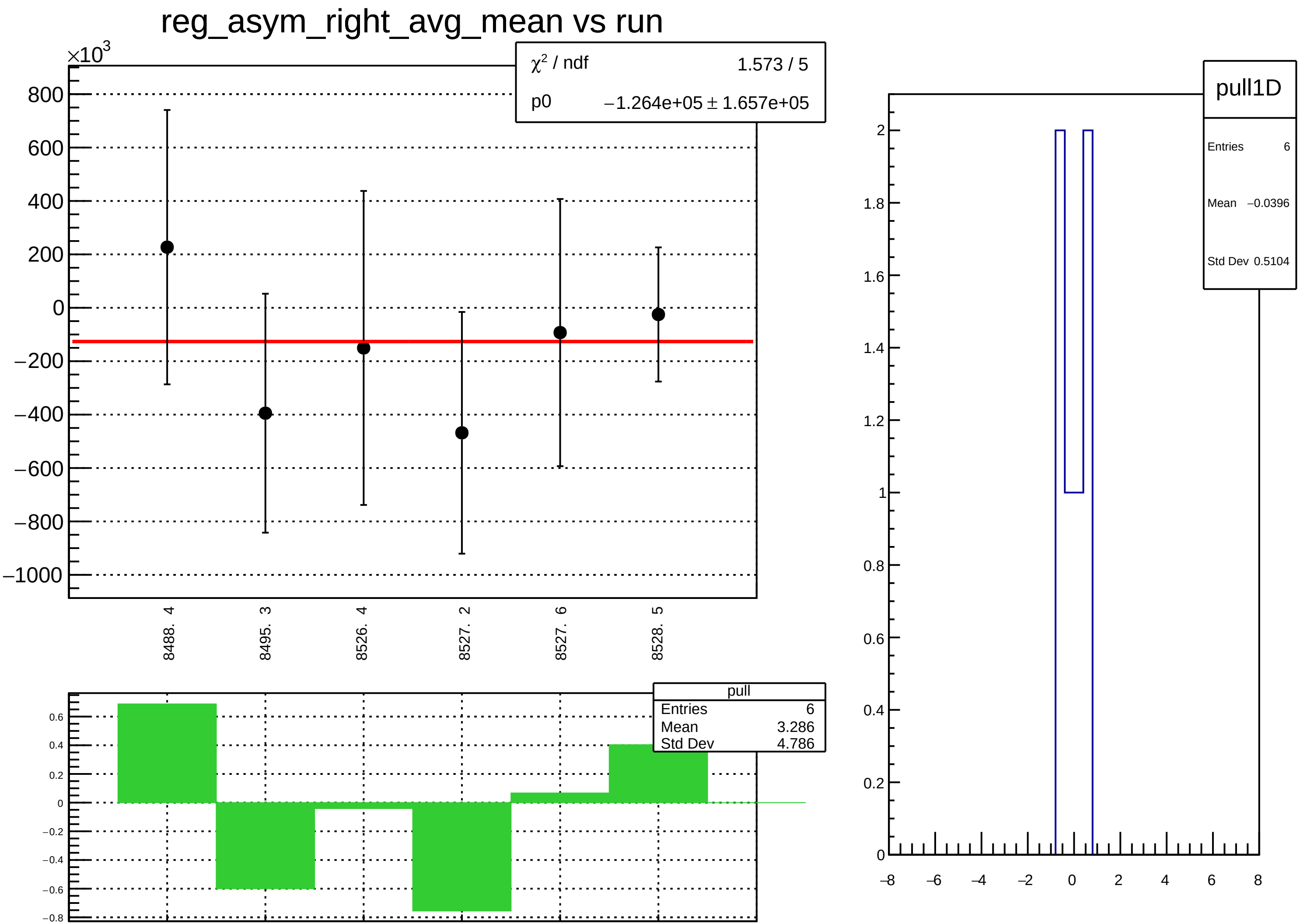
asym_left_dd_correction_mean vs run
χ^2 / ndf 76.06 / 80
p0 −1325 ± 484.3
pull
Entries 81
Mean −11.9
Std Dev 70.59
pull1D
Entries 81
Mean −0.01865
Std Dev 0.9689


asym_left_dd_correction_rms vs run
χ2 / ndf 2.237e+04 / 80
p0 433.1 ± 0.3425
550
500
450
400
350
300

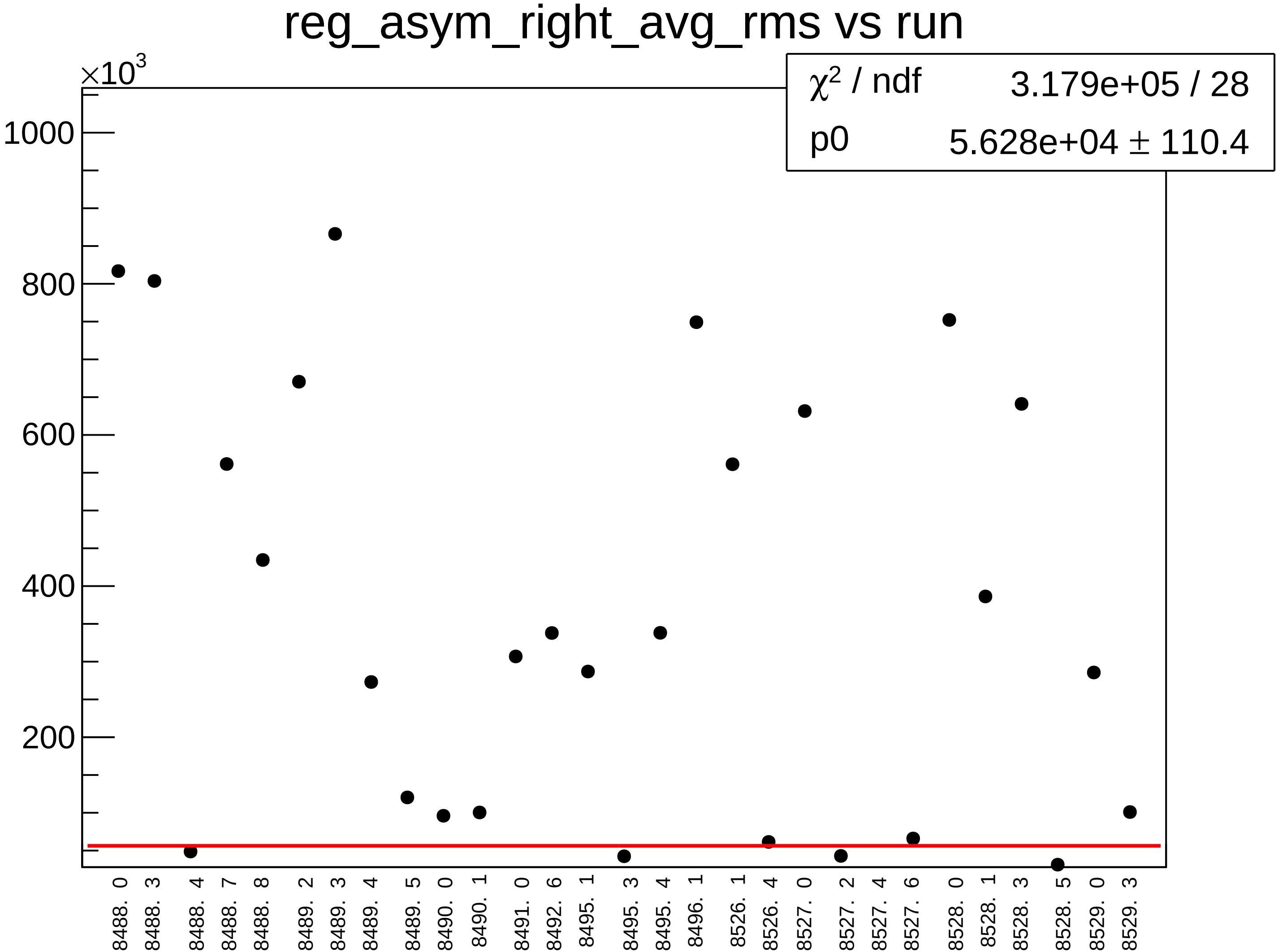


asym_left_dd_mean vs run
χ2 / ndf 85.74 / 80
p0 −684.8 ± 4369
×10^3
pull
Entries 81
Mean 66.32
Std Dev 49.3
pull1D
Entries 81
Mean 0.02898
Std Dev 1.028

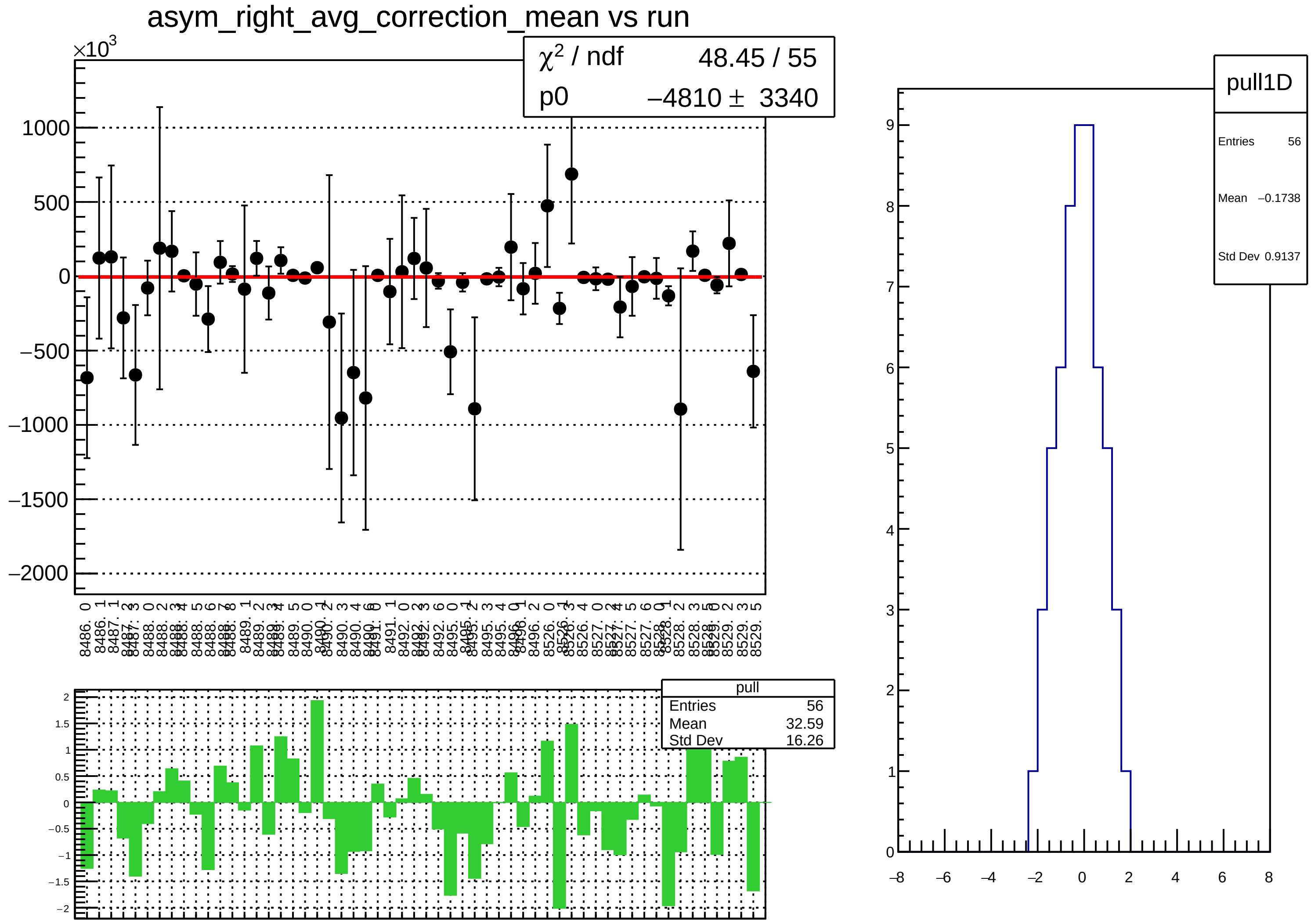

asym_left_dd_rms vs run
χ^2 / ndf 1.304e+04 / 80
p0 3918 ± 3.089
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200



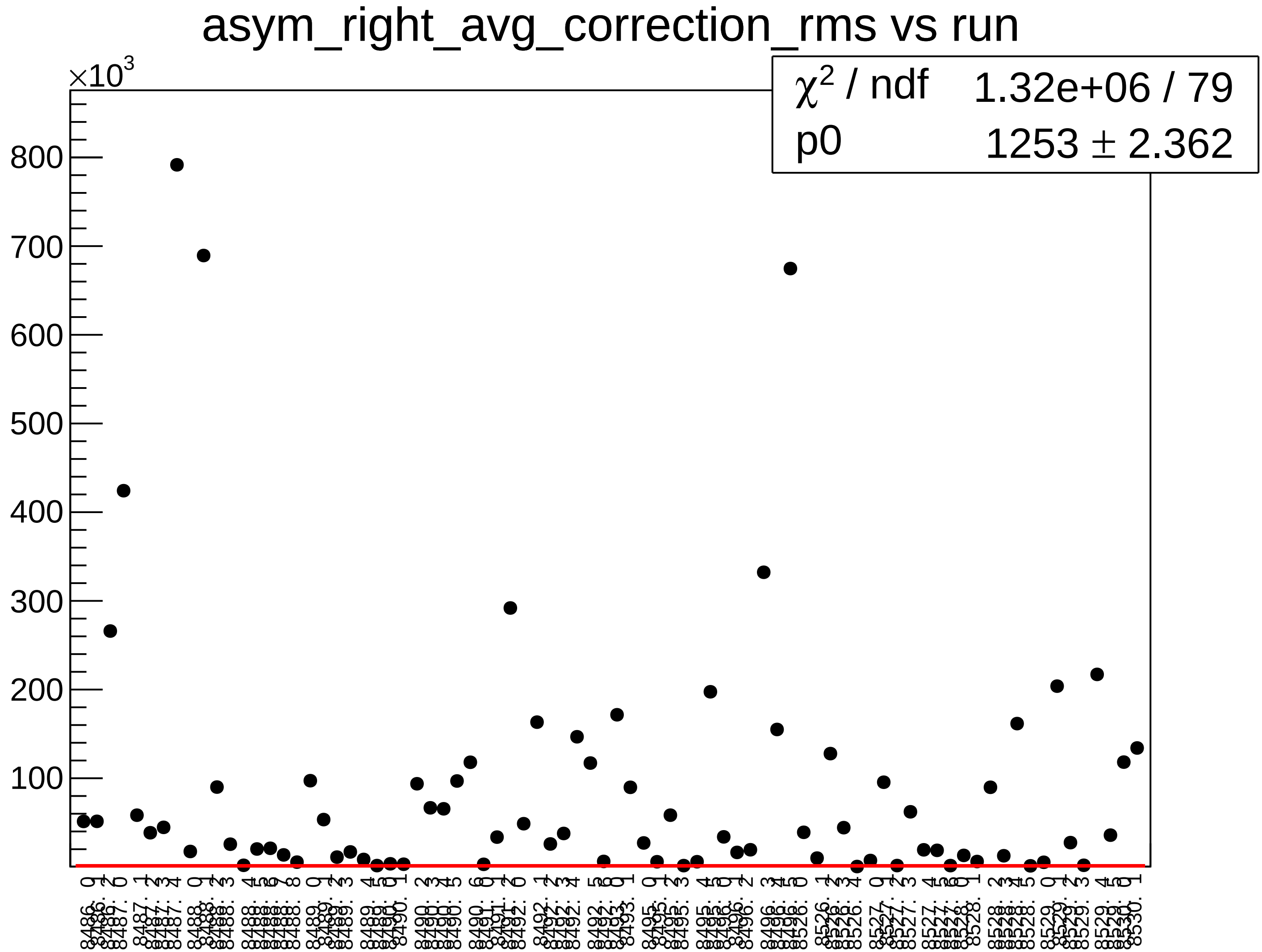
reg_asym_right_avg_mean vs run
×10^3
χ2 / ndf 1.573 / 5
p0 −1.264e+05 ± 1.657e+05
800
600
400
200
0
−200
−400
−600
−800
−1000
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 3.286
Std Dev 4.786
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 6
Mean −0.0396
Std Dev 0.5104
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



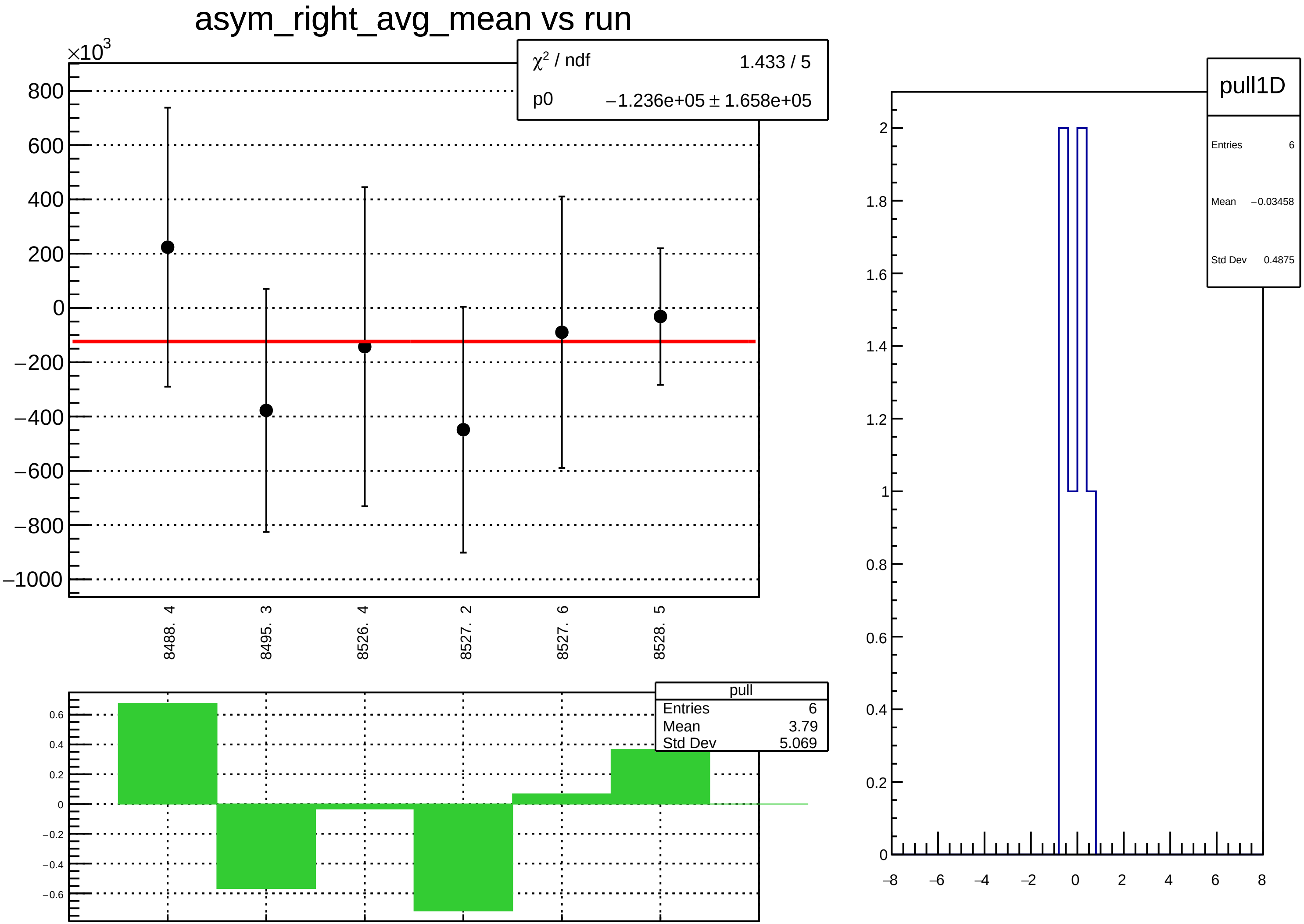
reg_asym_right_avg_rms vs run
×10^3
χ^2 / ndf 3.179e+05 / 28
p0 5.628e+04 ± 110.4
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

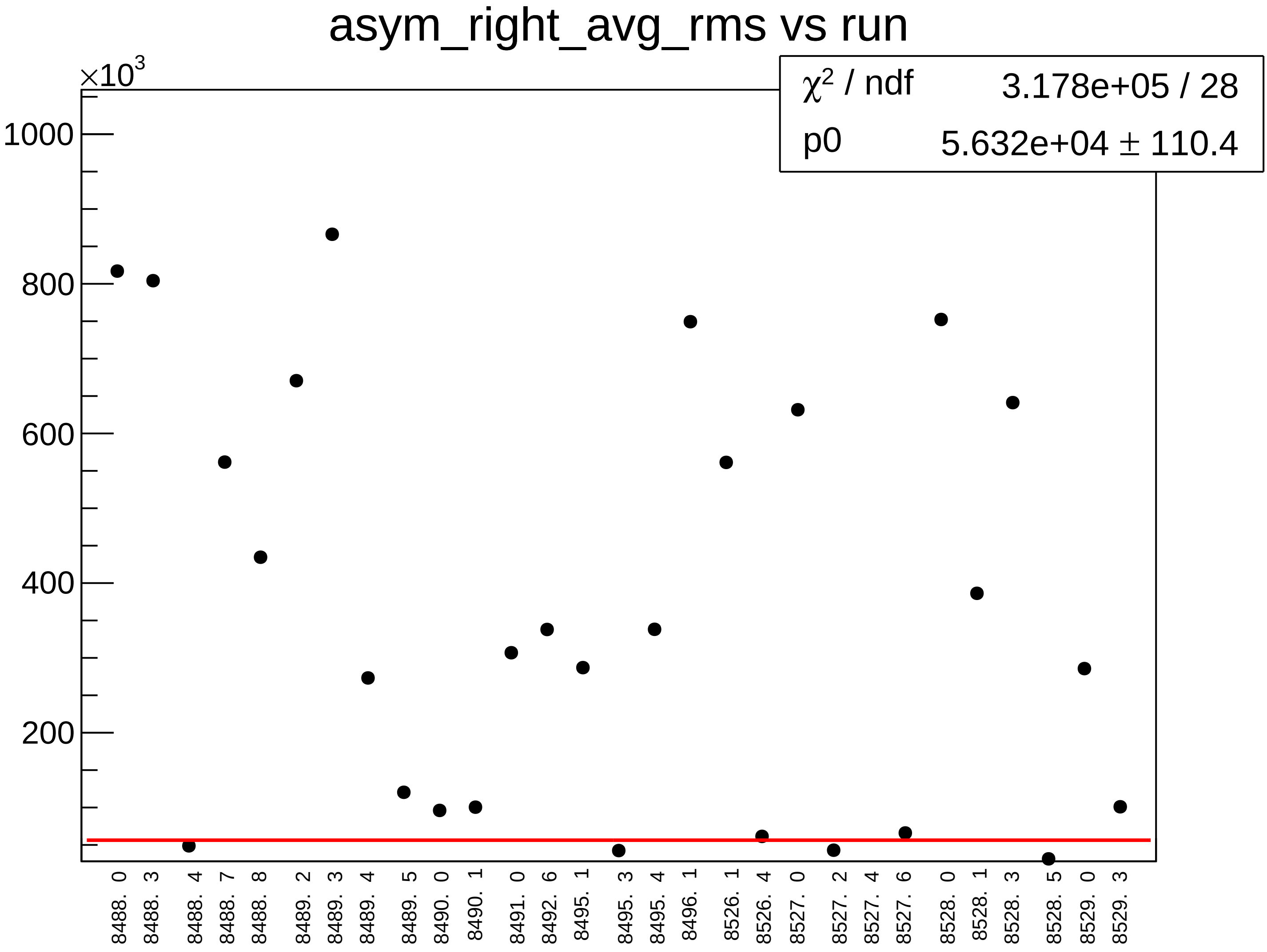


asym_right_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 48.45 / 55
p0 −4810 ± 3340
pull
Entries 56
Mean 32.59
Std Dev 16.26
pull1D
Entries 56
Mean −0.1738
Std Dev 0.9137

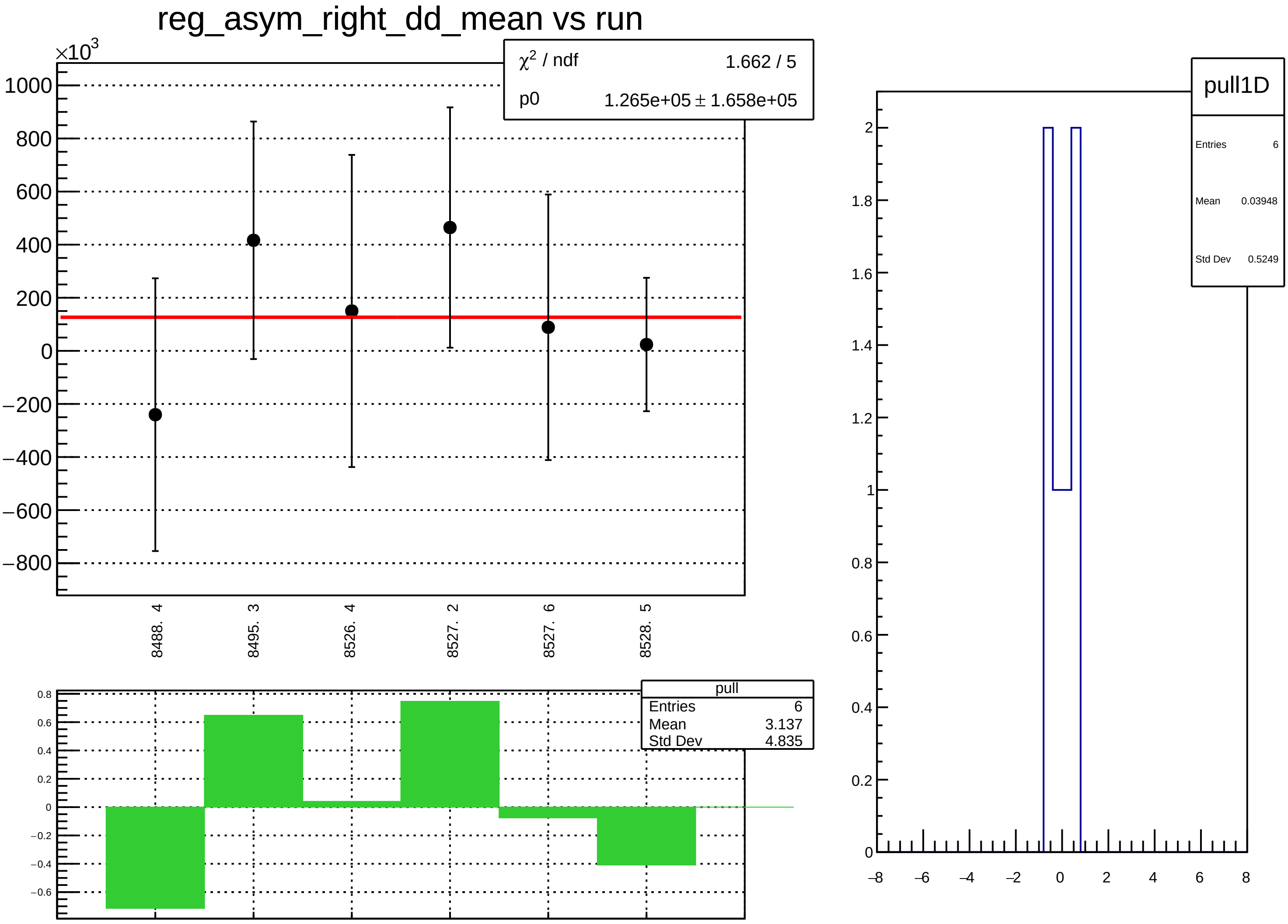


asym_right_avg_correction_rms vs run
×10^3
χ2 / ndf 1.32e+06 / 79
p0 1253 ± 2.362
800
700
600
500
400
300
200
100

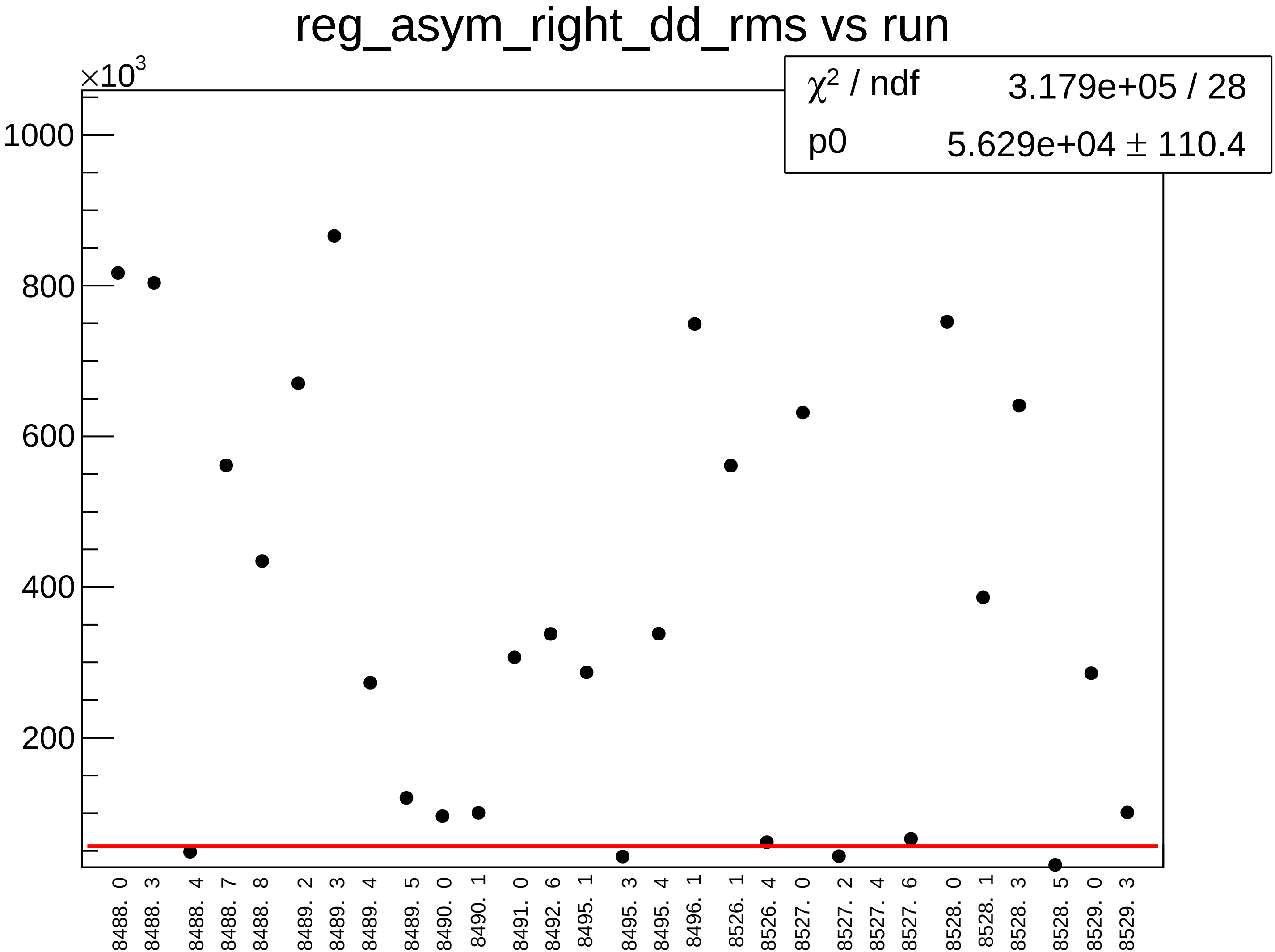

asym_right_avg_mean vs run
$\times10^3$
χ^2 / ndf 1.433 / 5
p0 −1.236e+05 ± 1.658e+05
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 3.79
Std Dev 5.069
pull1D
Entries 6
Mean −0.03458
Std Dev 0.4875



asym_right_avg_rms vs run
$\times10^3$
χ^2 / ndf 3.178e+05 / 28
p0 5.632e+04 ± 110.4
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

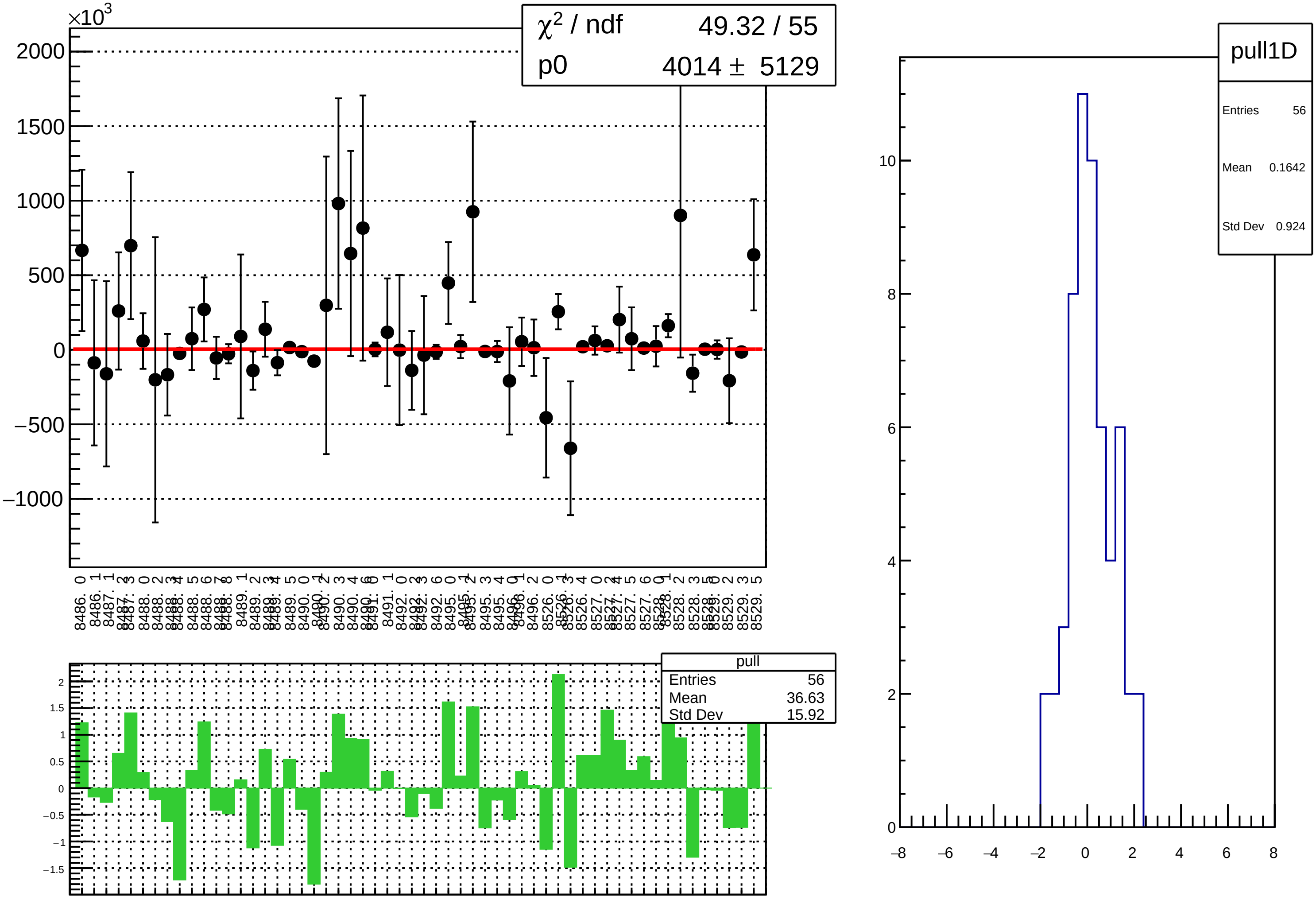


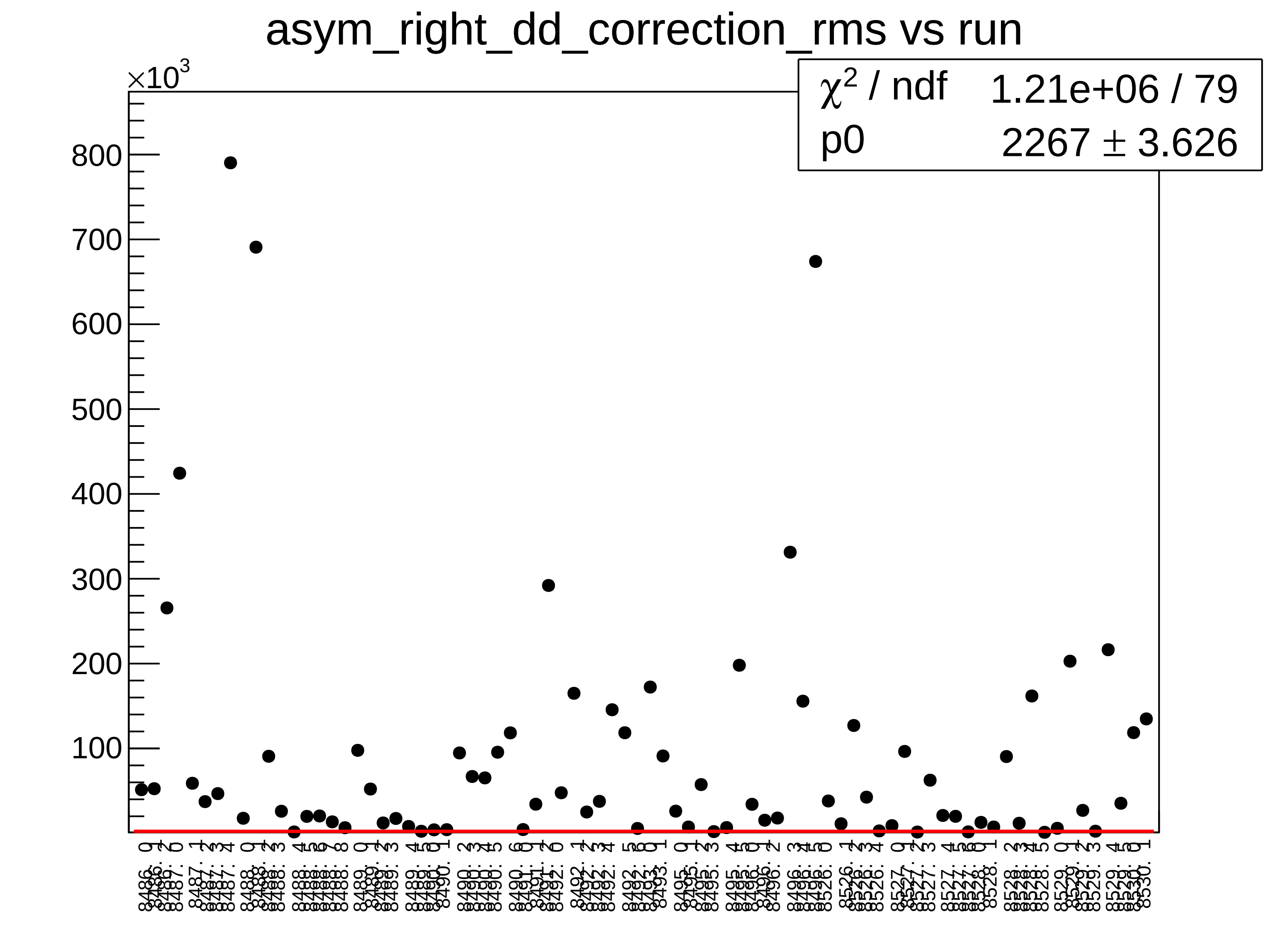
reg_asym_right_dd_mean vs run
×10^3
χ2 / ndf 1.662 / 5
p0 1.265e+05 ± 1.658e+05
8488. 4
8495. 3
8526. 4
8527. 2
8527. 6
8528. 5
pull
Entries 6
Mean 3.137
Std Dev 4.835
pull1D
Entries 6
Mean 0.03948
Std Dev 0.5249



reg_asym_right_dd_rms vs run
$\times 10^{3}$
χ^2 / ndf 3.179e+05 / 28
p0 5.629e+04 ± 110.4
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

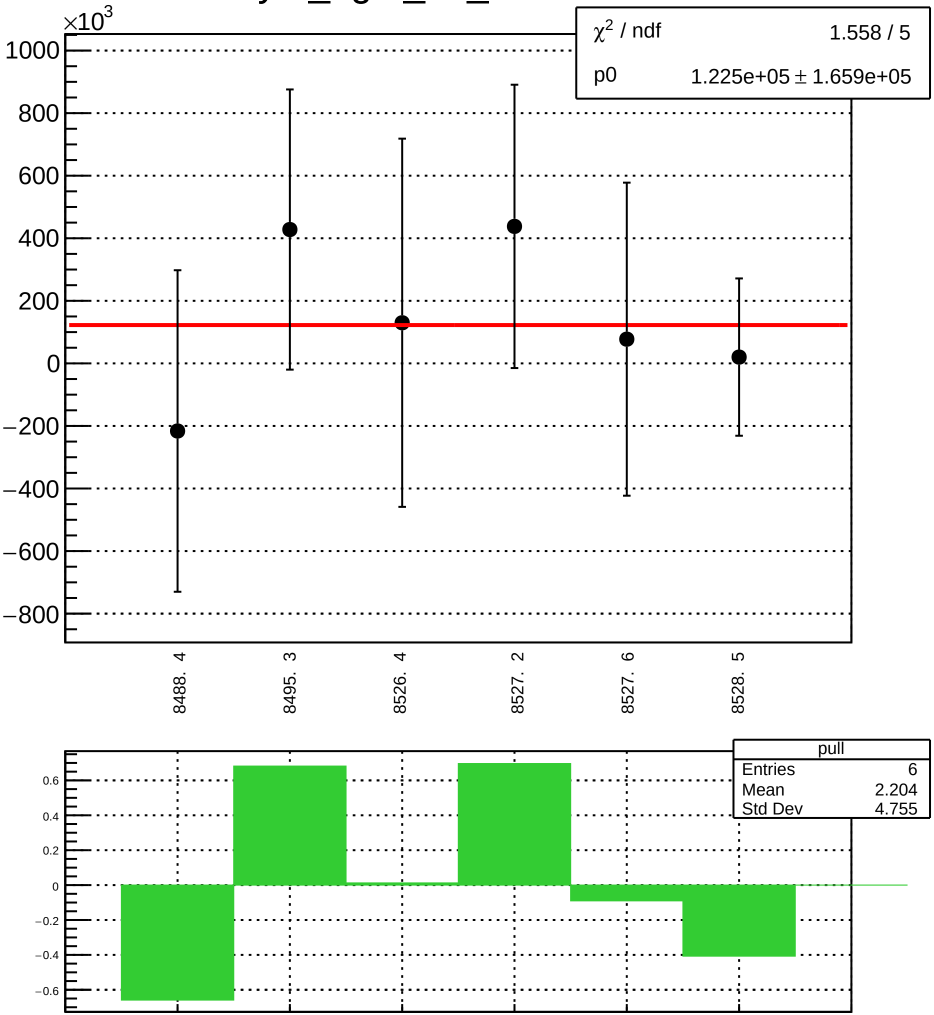
asym_right_dd_correction_mean vs run

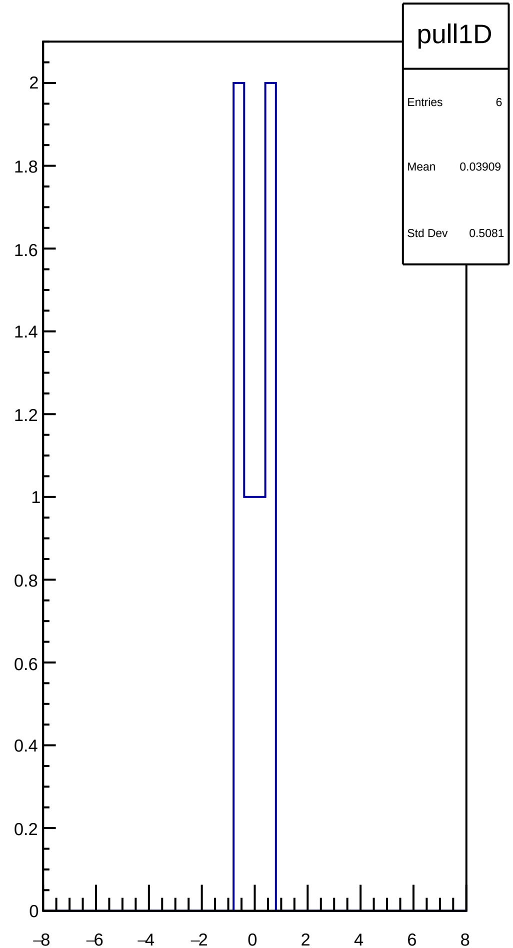


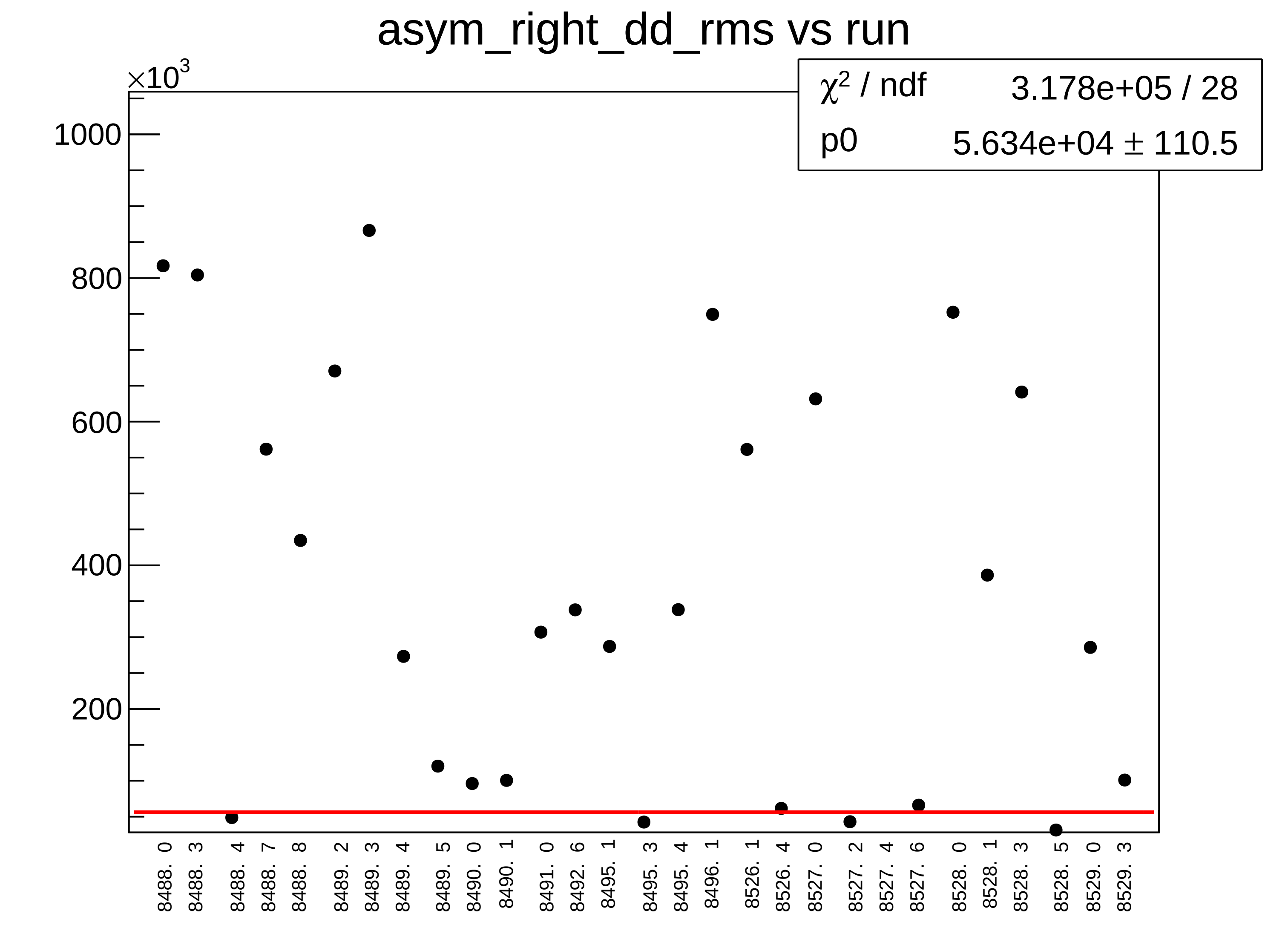


asym_right_dd_correction_rms vs run
×10^3
χ2 / ndf 1.21e+06 / 79
p0 2267 ± 3.626
800
700
600
500
400
300
200
100

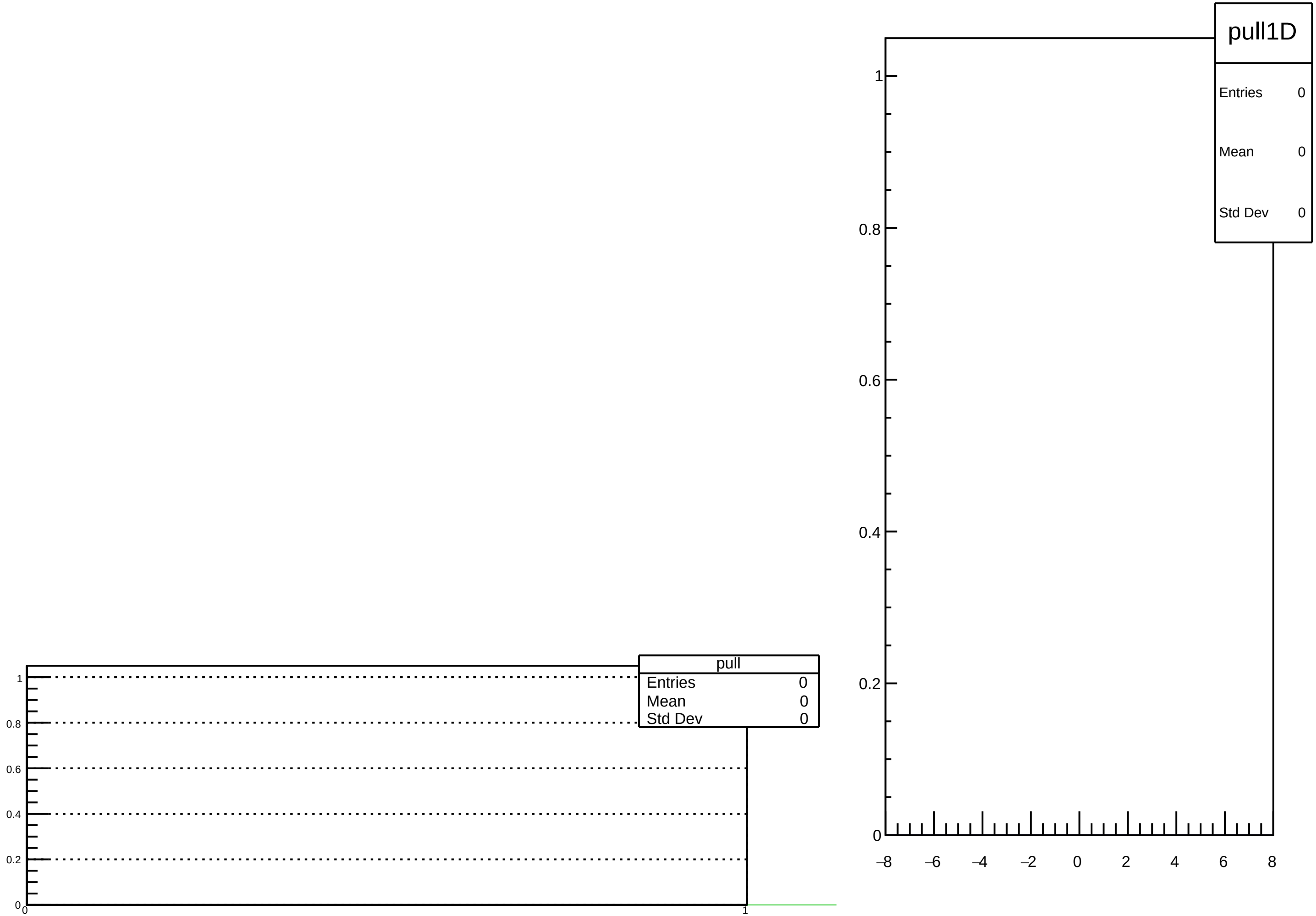
asym_right_dd_mean vs run

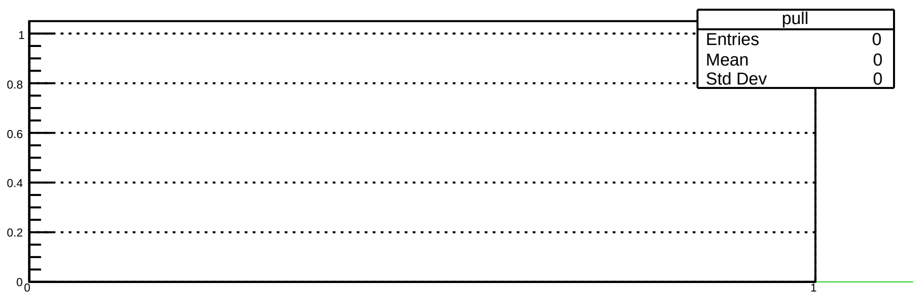


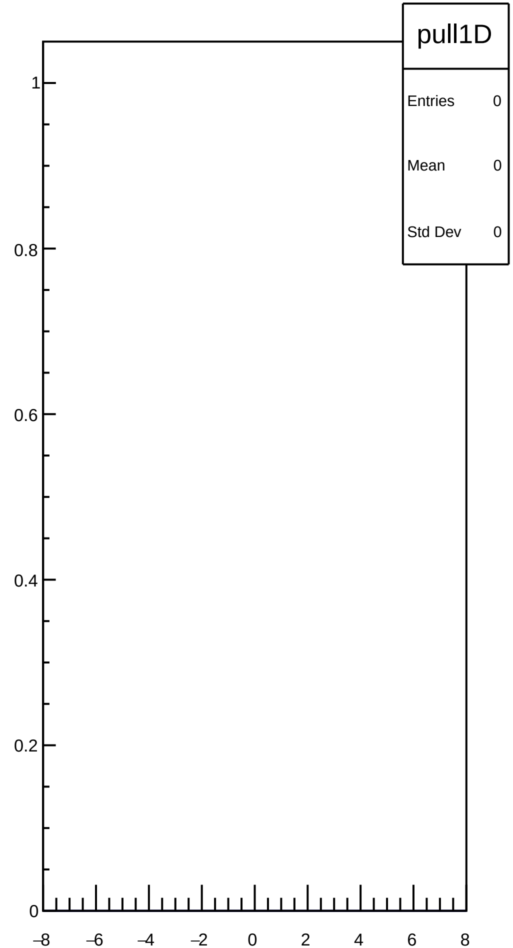


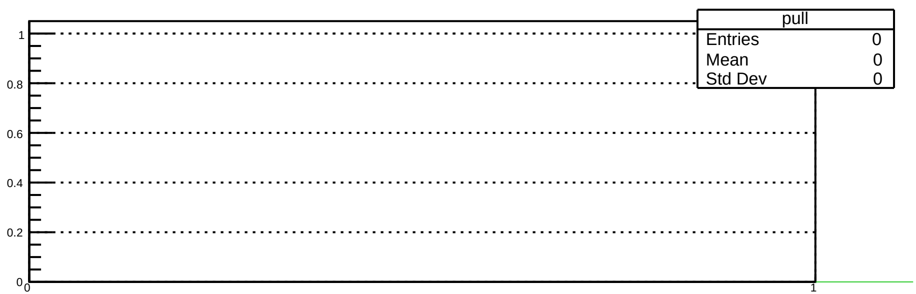


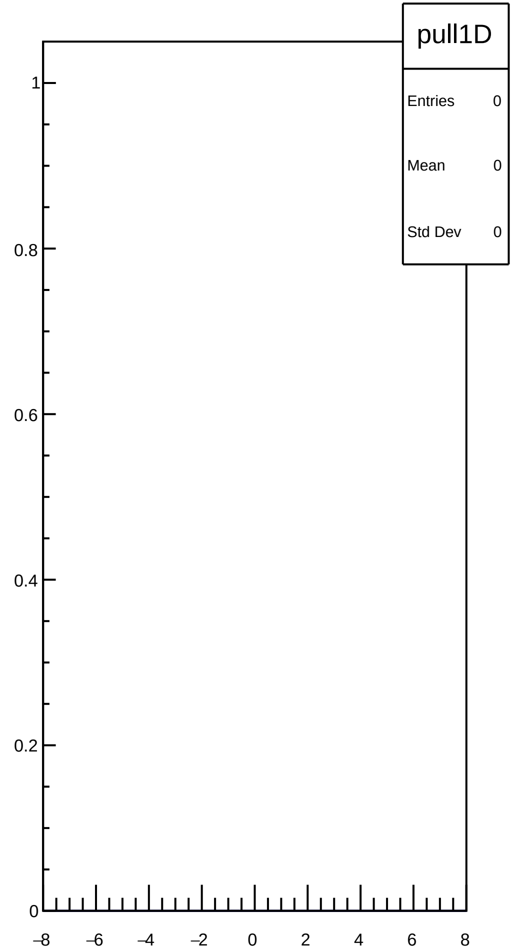
asym_right_dd_rms vs run
×10^3
χ^2 / ndf 3.178e+05 / 28
p0 5.634e+04 ± 110.5
1000
800
600
400
200
8488. 0
8488. 3
8488. 4
8488. 7
8488. 8
8489. 2
8489. 3
8489. 4
8489. 5
8490. 0
8490. 1
8491. 0
8492. 6
8495. 1
8495. 3
8495. 4
8496. 1
8526. 1
8526. 4
8527. 0
8527. 2
8527. 4
8527. 6
8528. 0
8528. 1
8528. 3
8528. 5
8529. 0
8529. 3

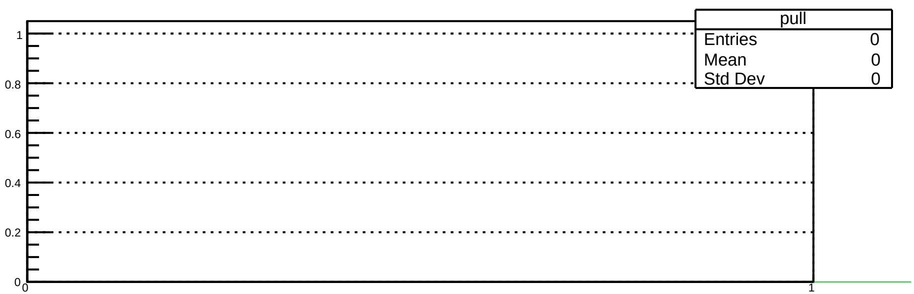

pull
Entries 0
Mean 0
Std Dev 0
pull1D
Entries 0
Mean 0
Std Dev 0

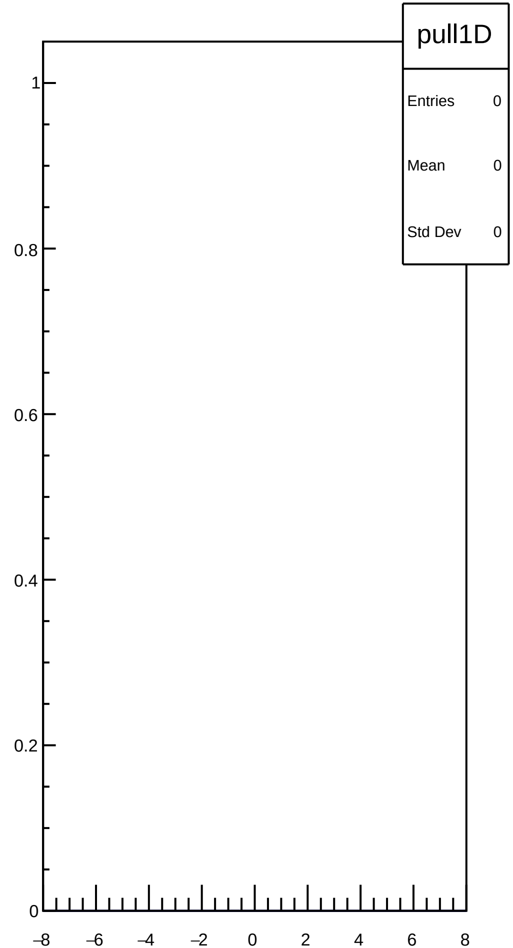

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

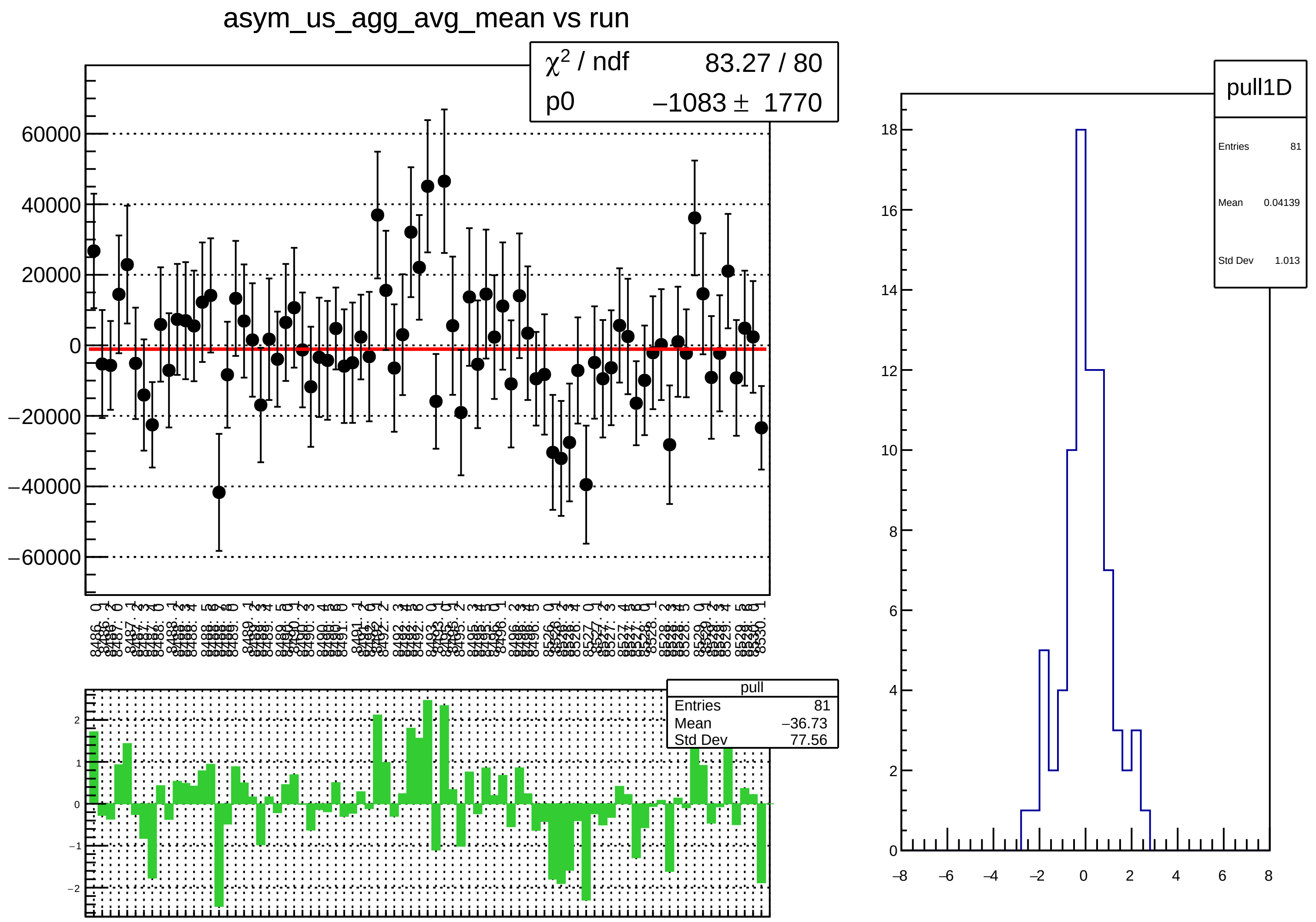

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


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

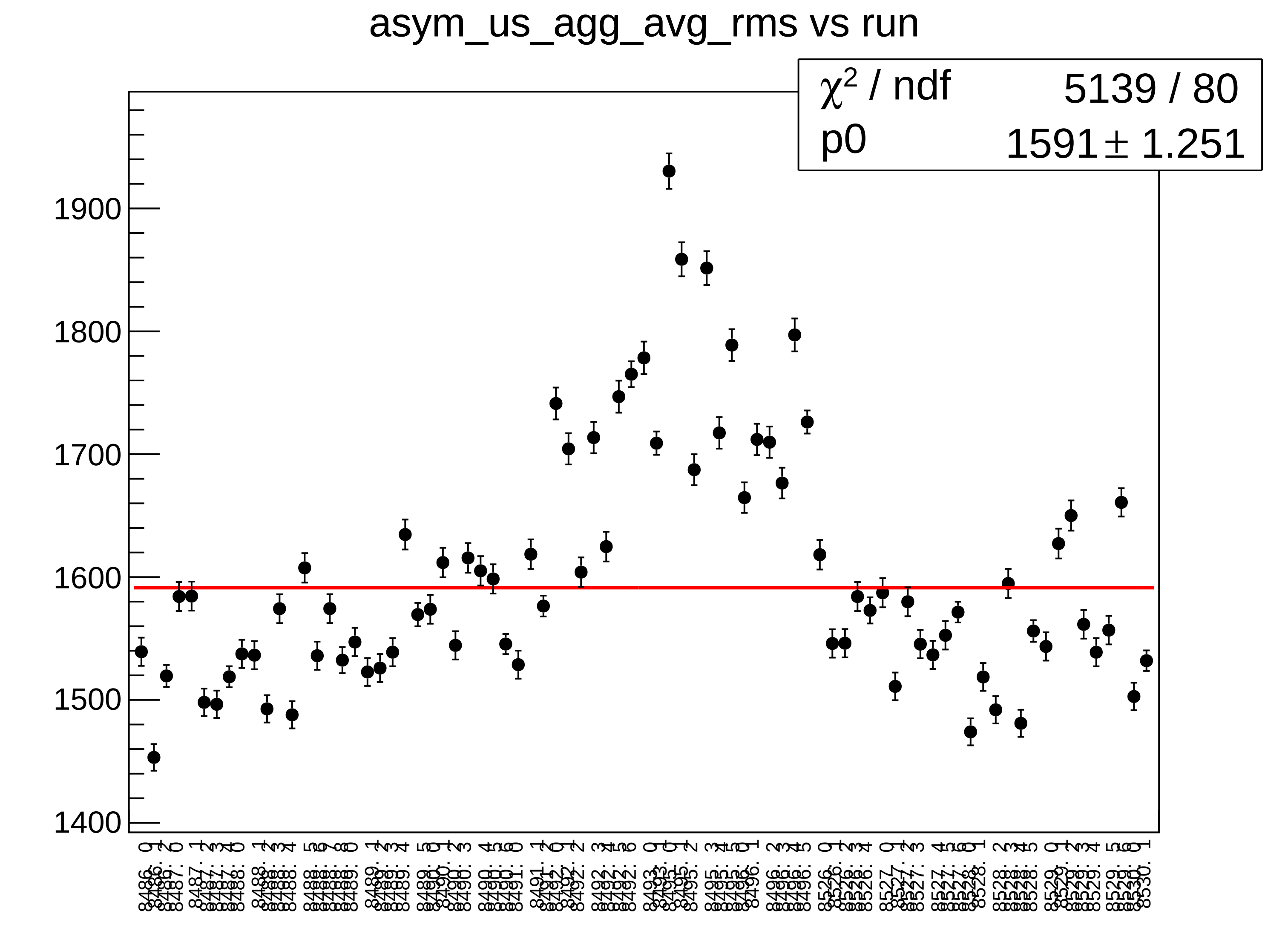

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

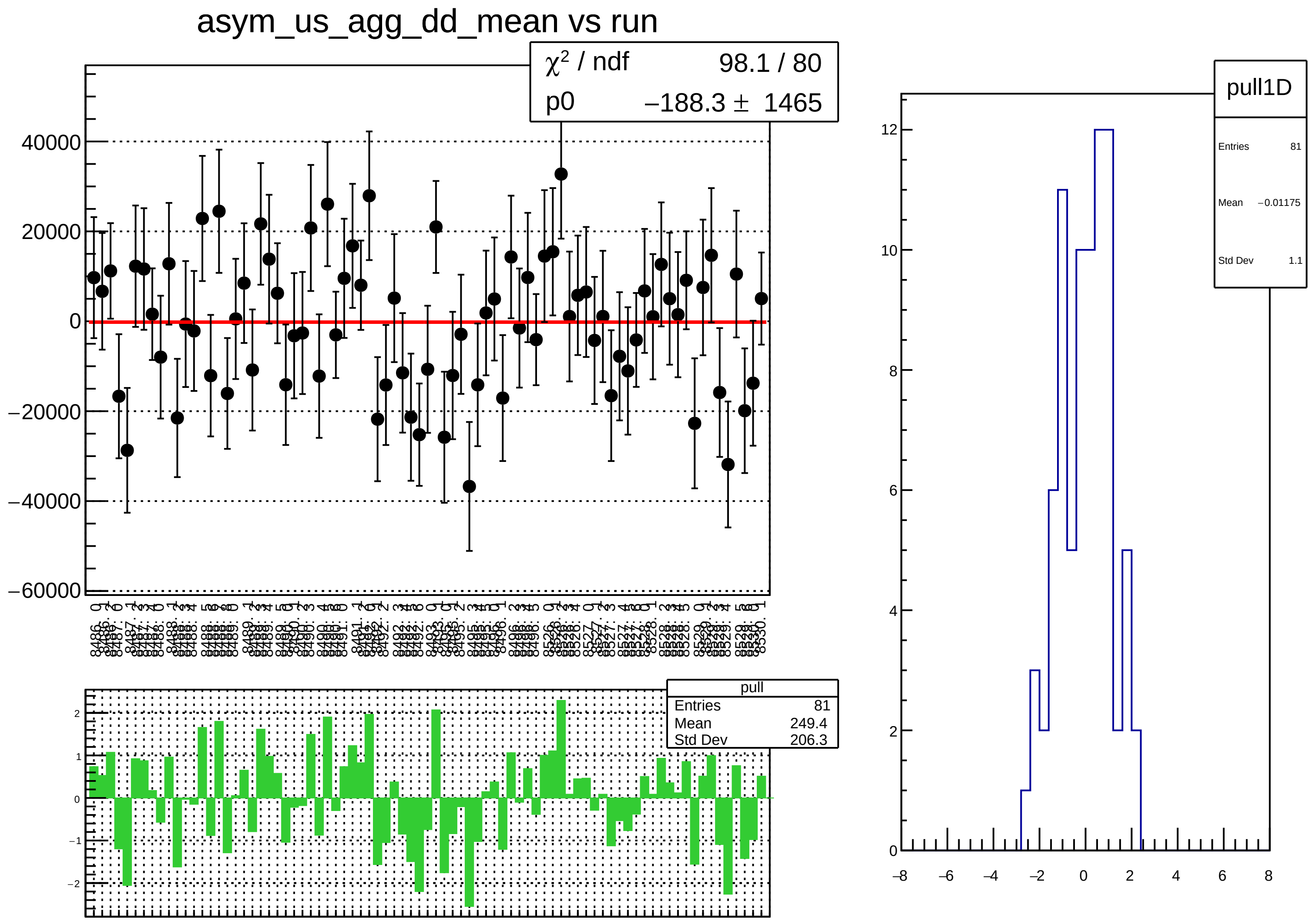

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1


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

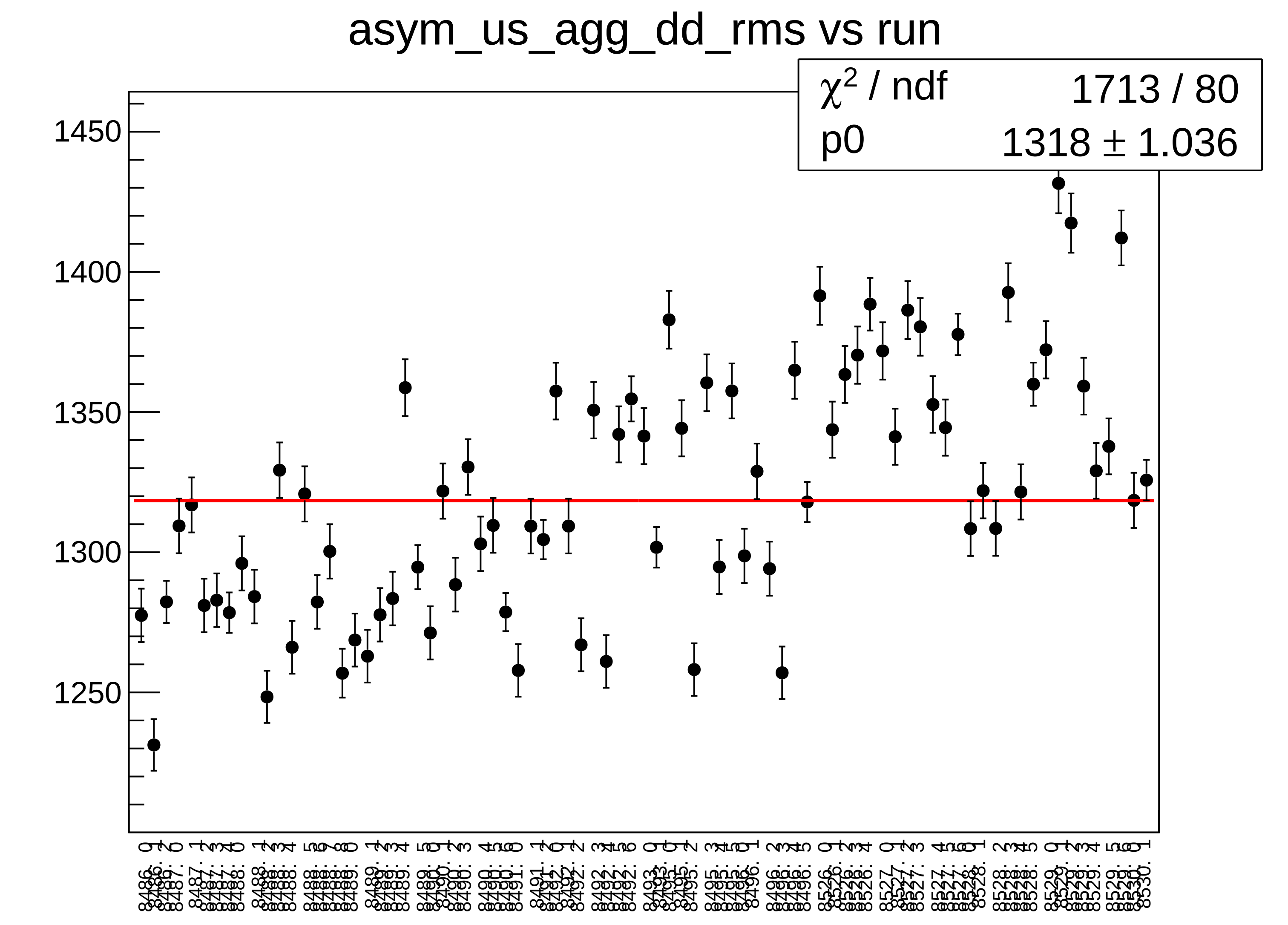


asym_us_agg_avg_mean vs run
χ^2 / ndf 83.27 / 80
p0 −1083 ± 1770
pull
Entries 81
Mean −36.73
Std Dev 77.56
pull1D
Entries 81
Mean 0.04139
Std Dev 1.013

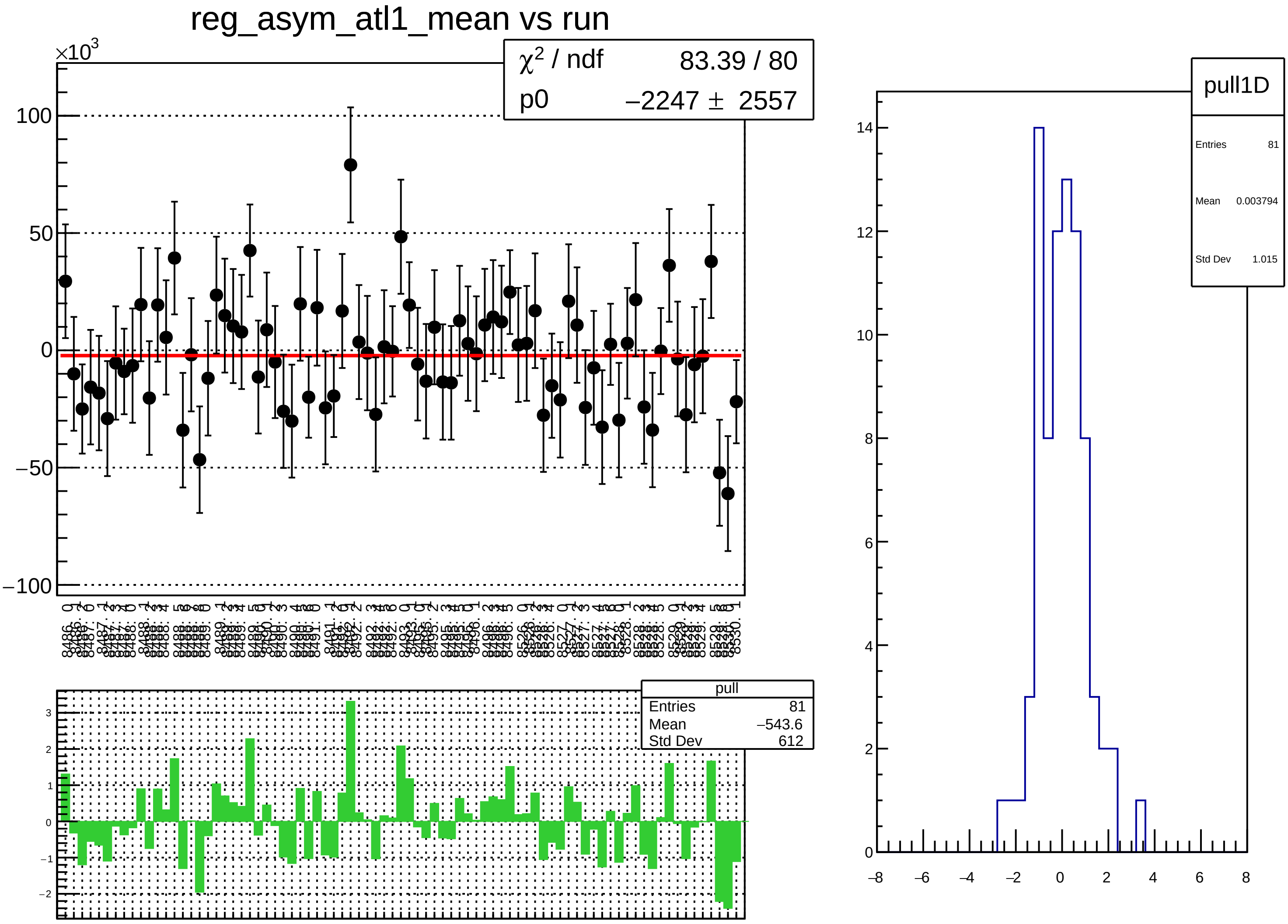

asym_us_agg_avg_rms vs run
χ^2 / ndf 5139 / 80
p0 1591 ± 1.251
1900
1800
1700
1600
1500
1400



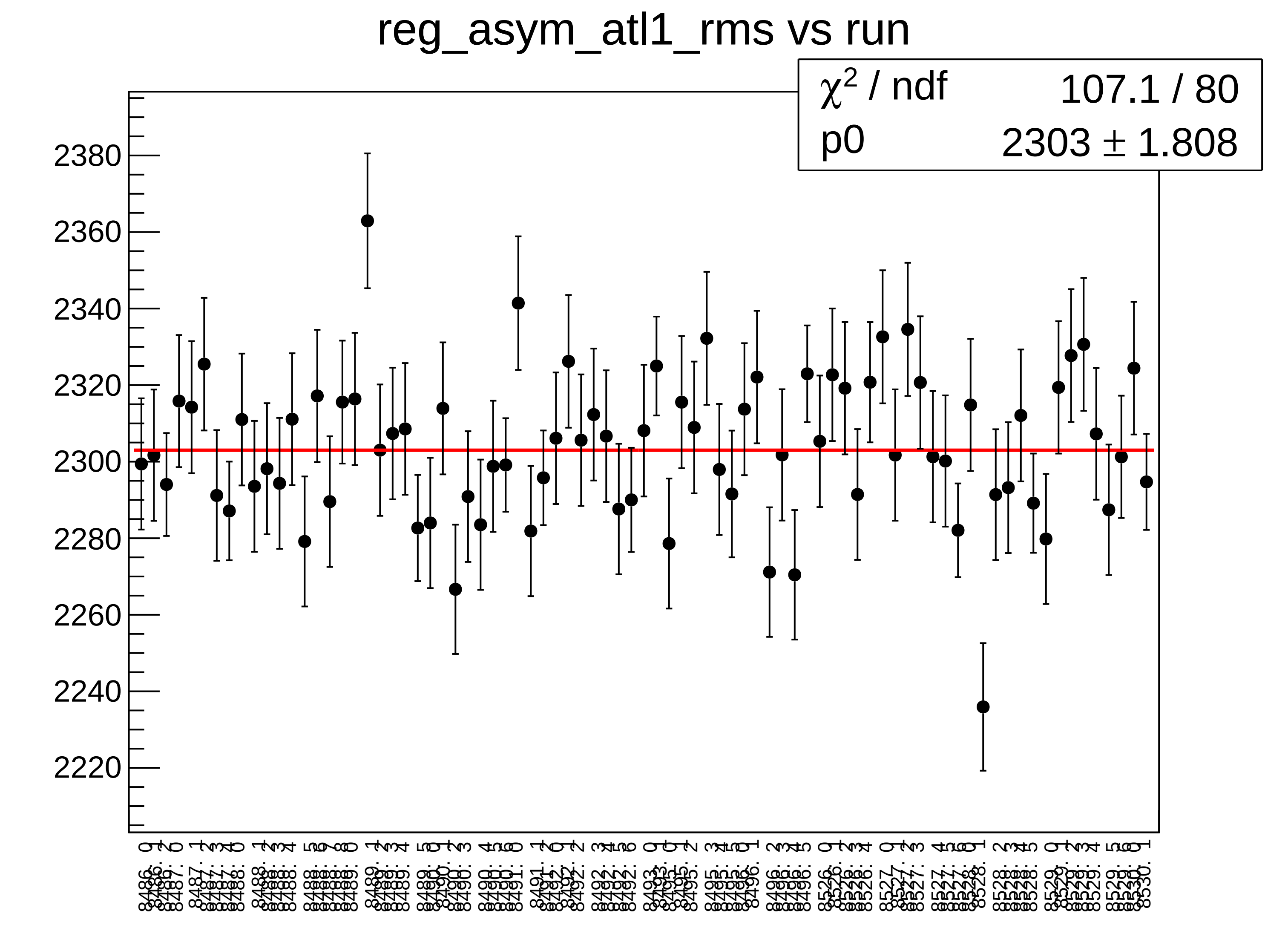
asym_us_agg_dd_mean vs run
χ^2 / ndf 98.1 / 80
p0 −188.3 ± 1465
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 249.4
Std Dev 206.3
pull1D
Entries 81
Mean −0.01175
Std Dev 1.1



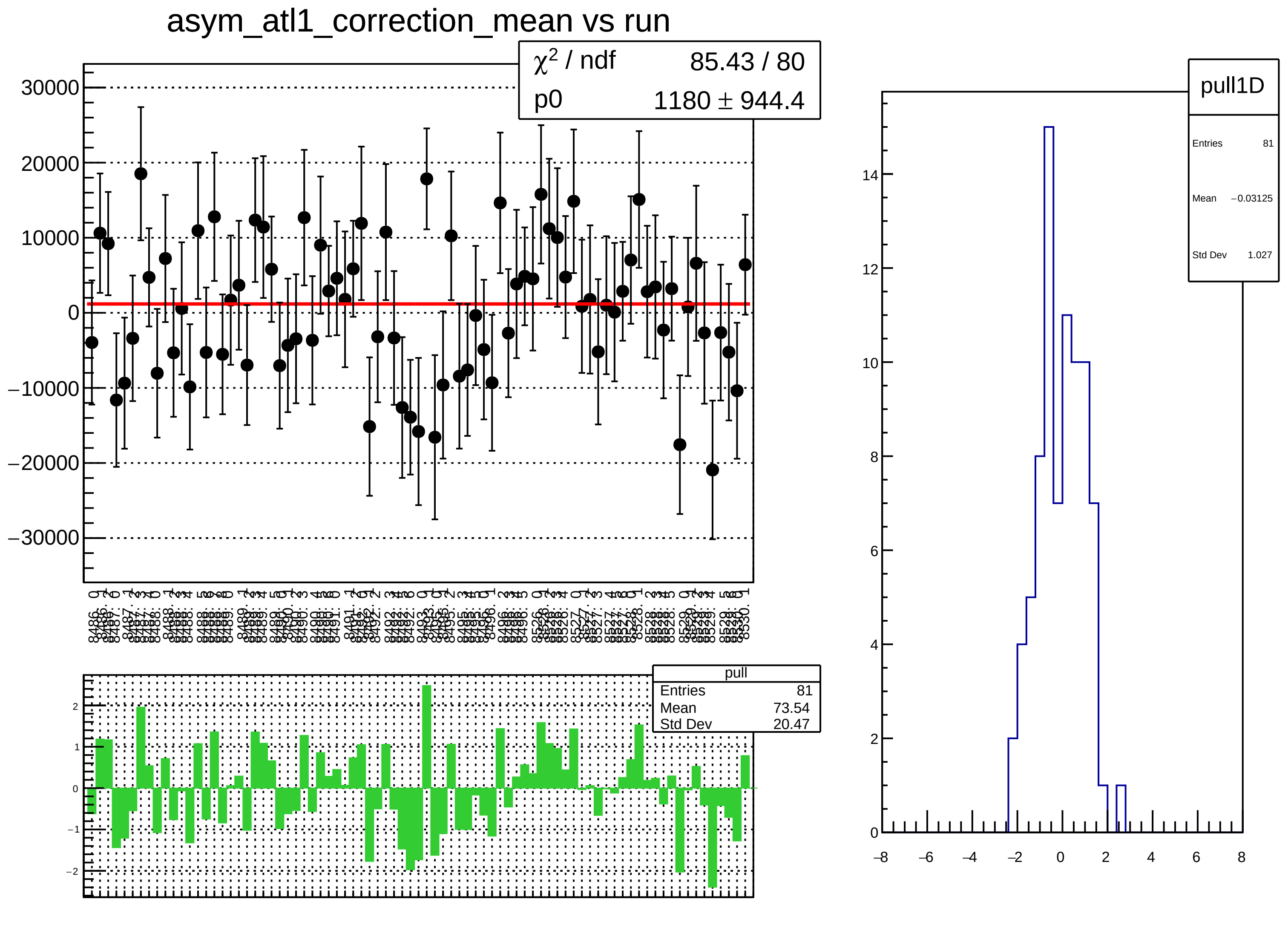
asym_us_agg_dd_rms vs run
χ2 / ndf 1713 / 80
p0 1318 ± 1.036
1450
1400
1350
1300
1250



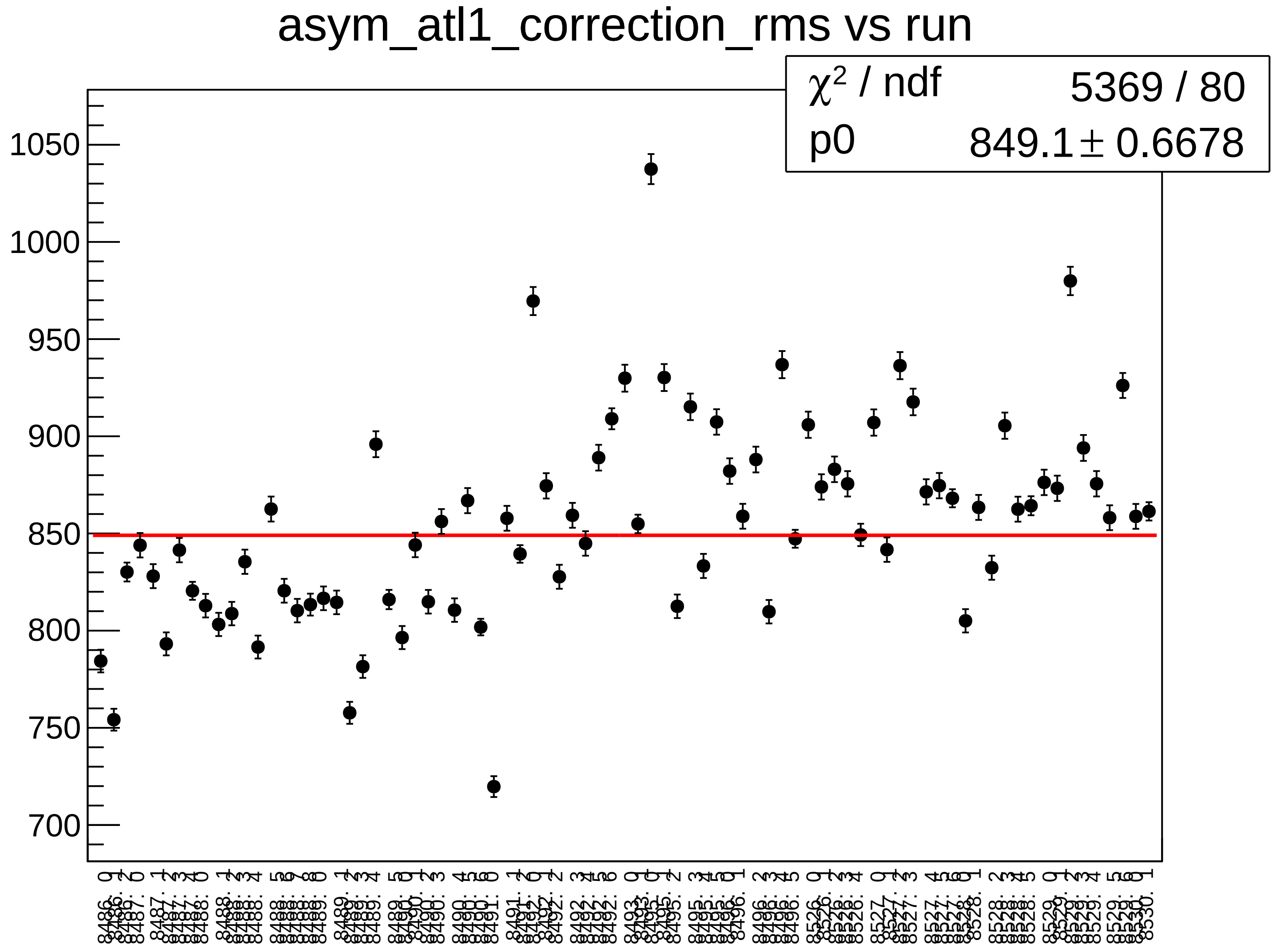
reg_asym_atl1_mean vs run
×10^3
χ2 / ndf 83.39 / 80
p0 −2247 ± 2557
pull
Entries 81
Mean −543.6
Std Dev 612
pull1D
Entries 81
Mean 0.003794
Std Dev 1.015



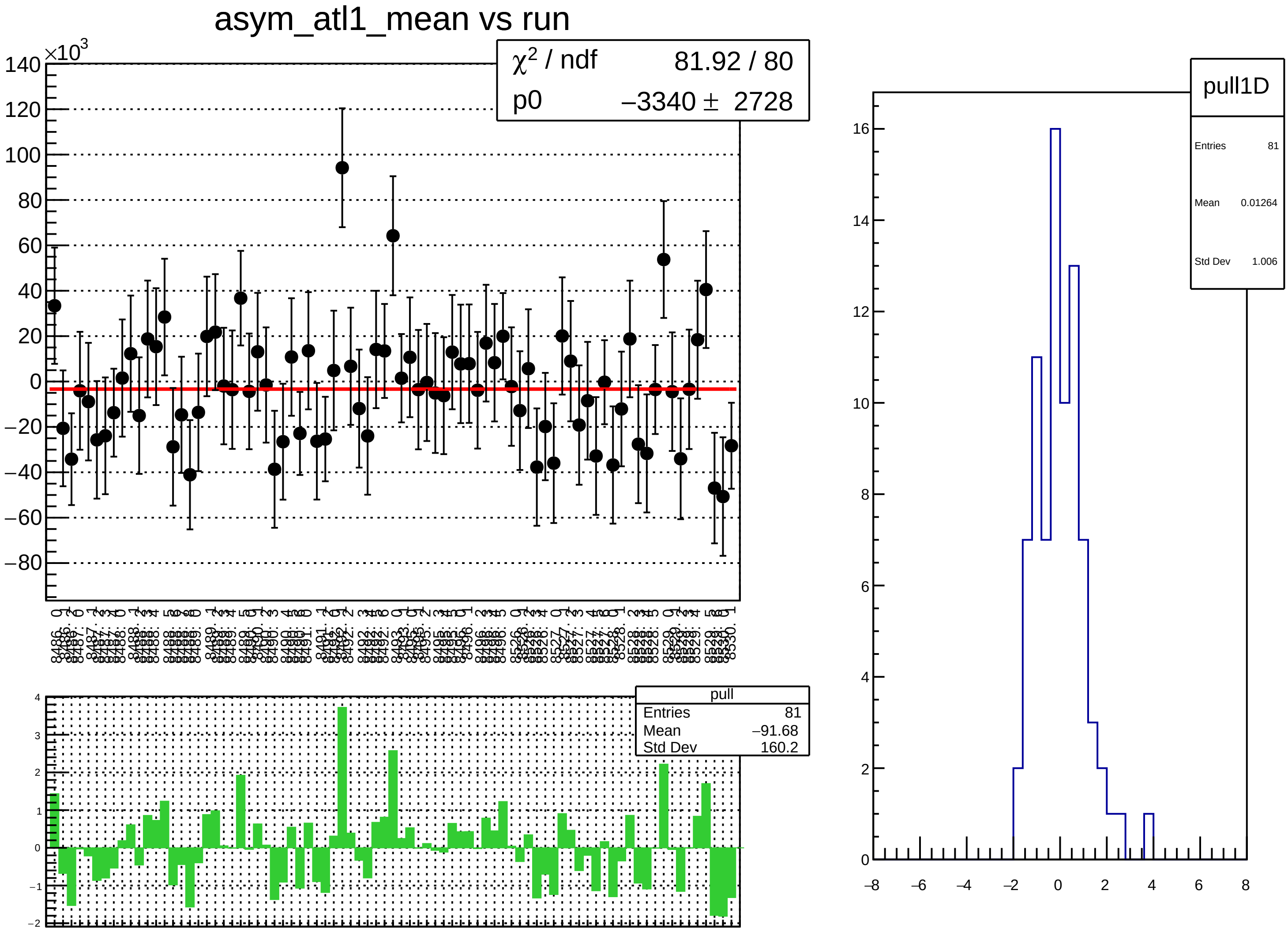
reg_asym_atl1_rms vs run
χ^2 / ndf 107.1 / 80
p0 2303 ± 1.808
2380
2360
2340
2320
2300
2280
2260
2240
2220



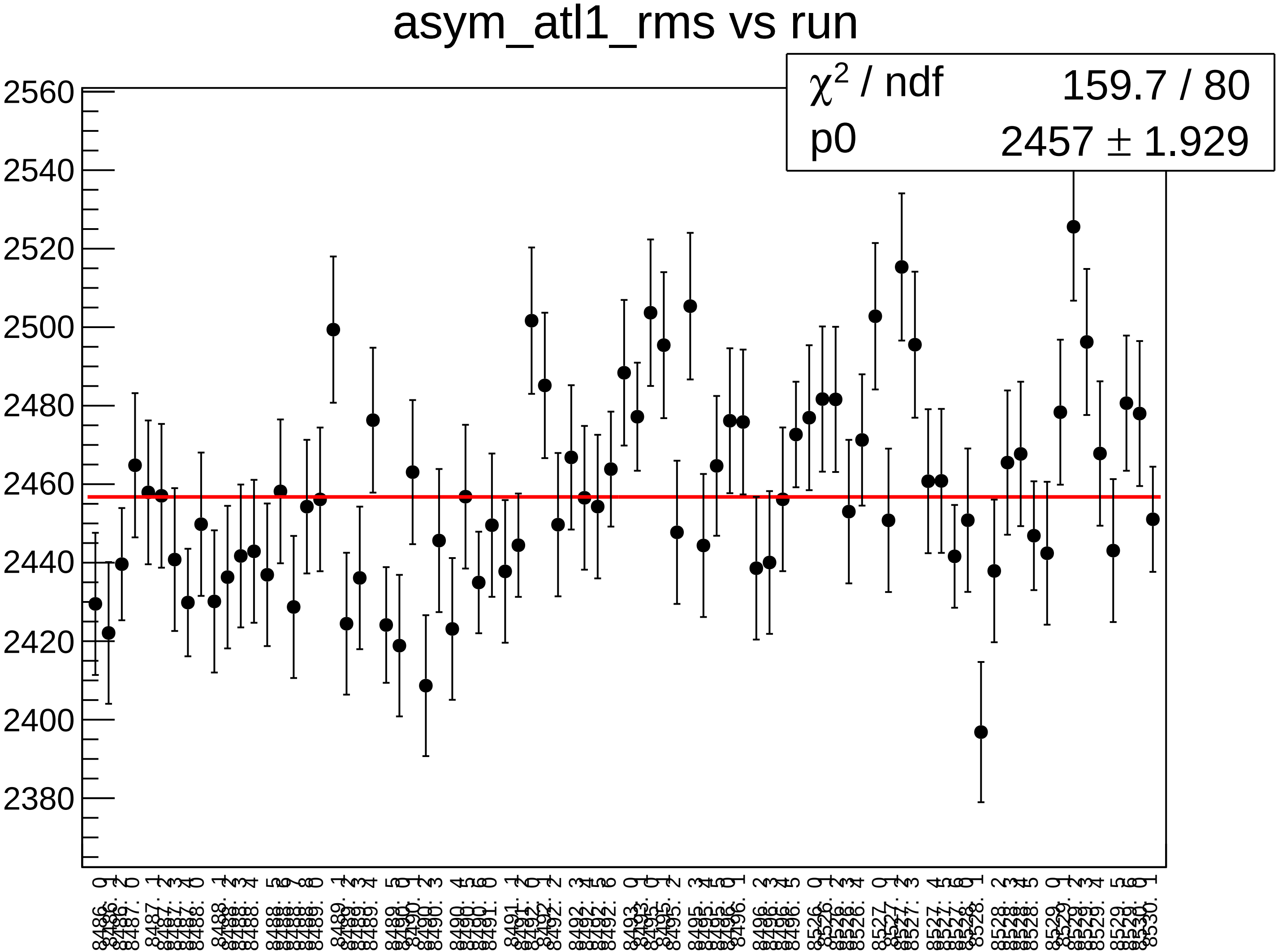
asym_atl1_correction_mean vs run
χ2 / ndf 85.43 / 80
p0 1180 ± 944.4
pull
Entries 81
Mean 73.54
Std Dev 20.47
pull1D
Entries 81
Mean −0.03125
Std Dev 1.027

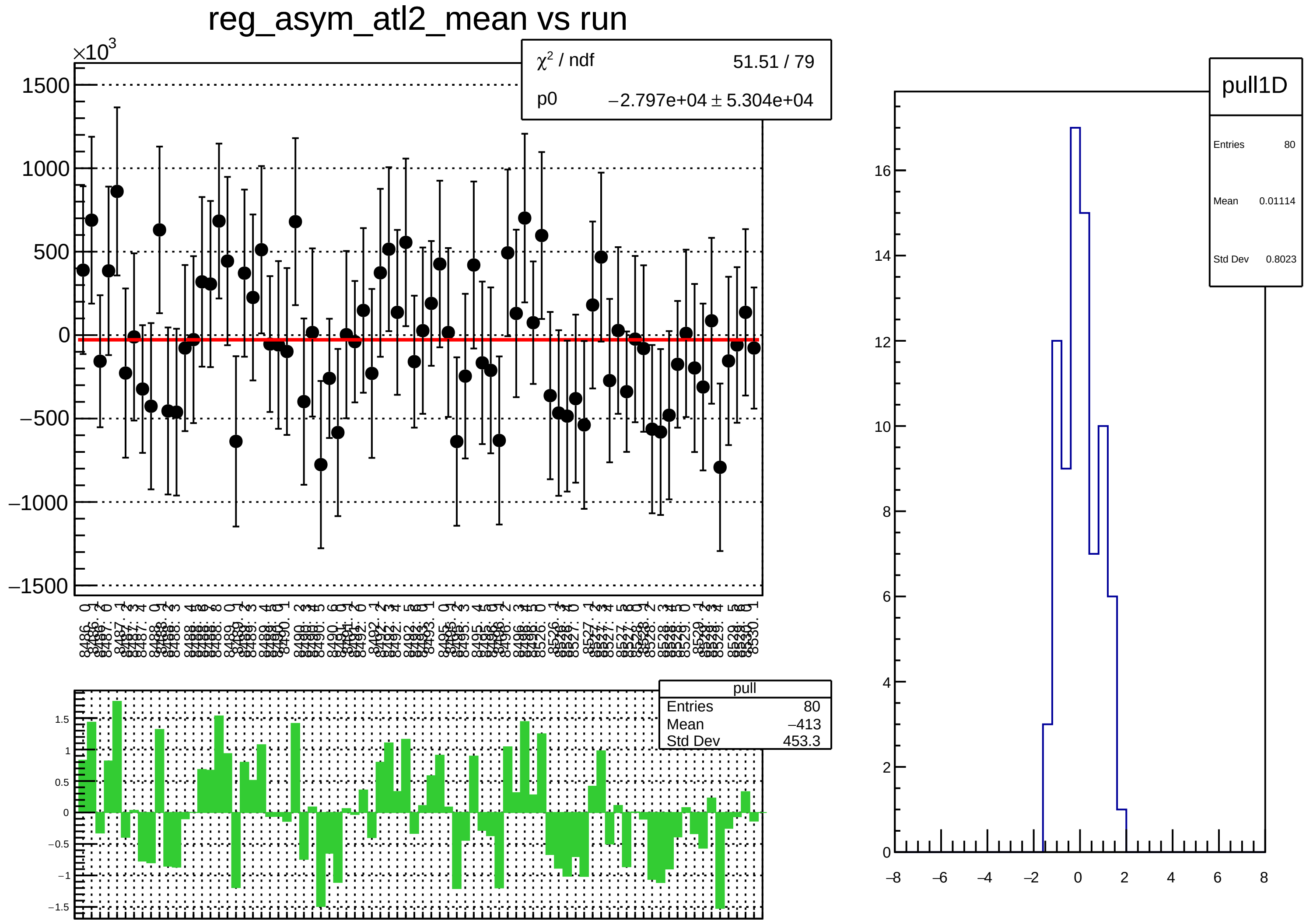


asym_atl1_correction_rms vs run
χ^2 / ndf 5369 / 80
p0 849.1 ± 0.6678
1050
1000
950
900
850
800
750
700

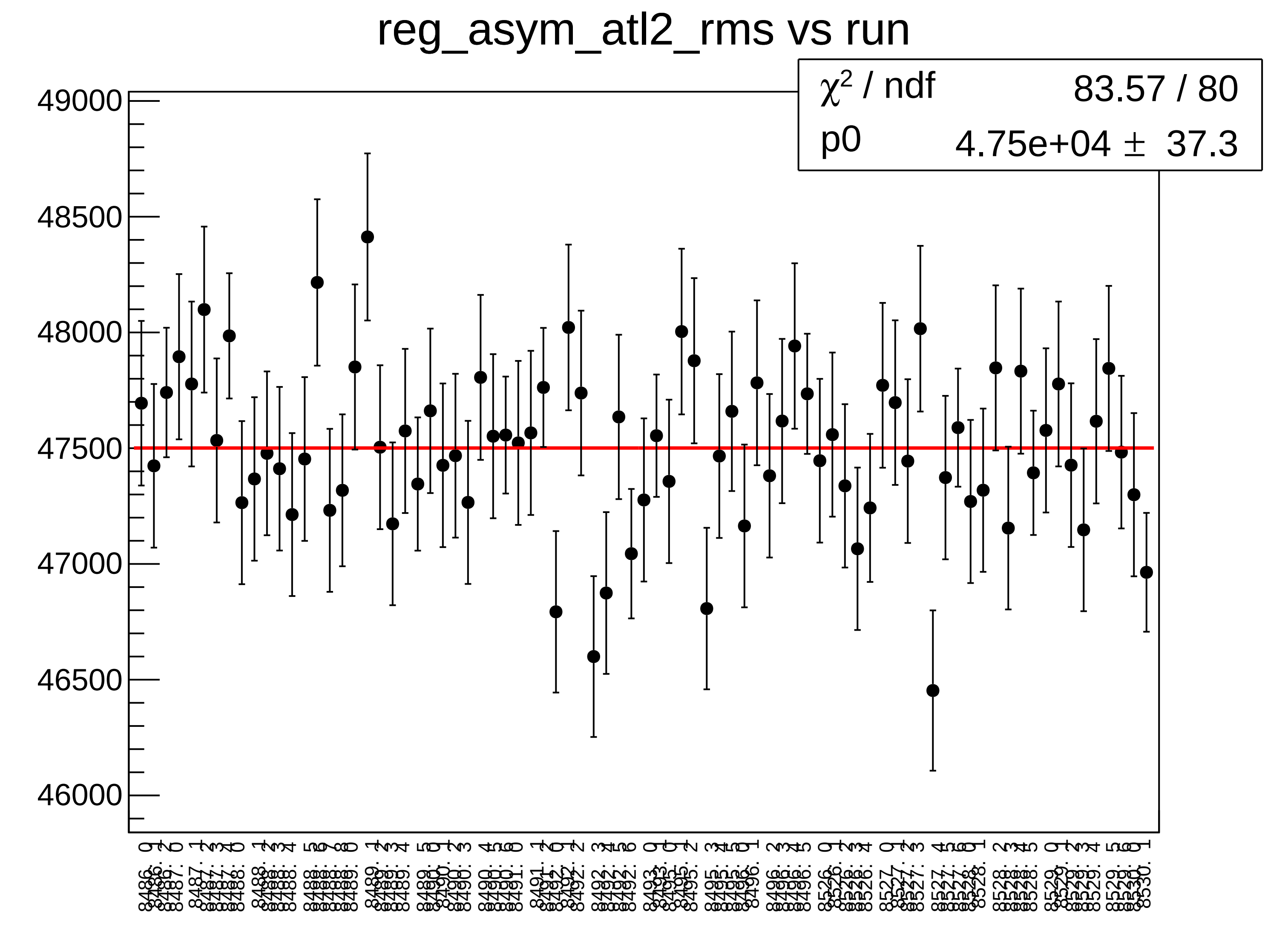


asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 81.92 / 80
p0 −3340 ± 2728
pull
Entries 81
Mean −91.68
Std Dev 160.2
pull1D
Entries 81
Mean 0.01264
Std Dev 1.006

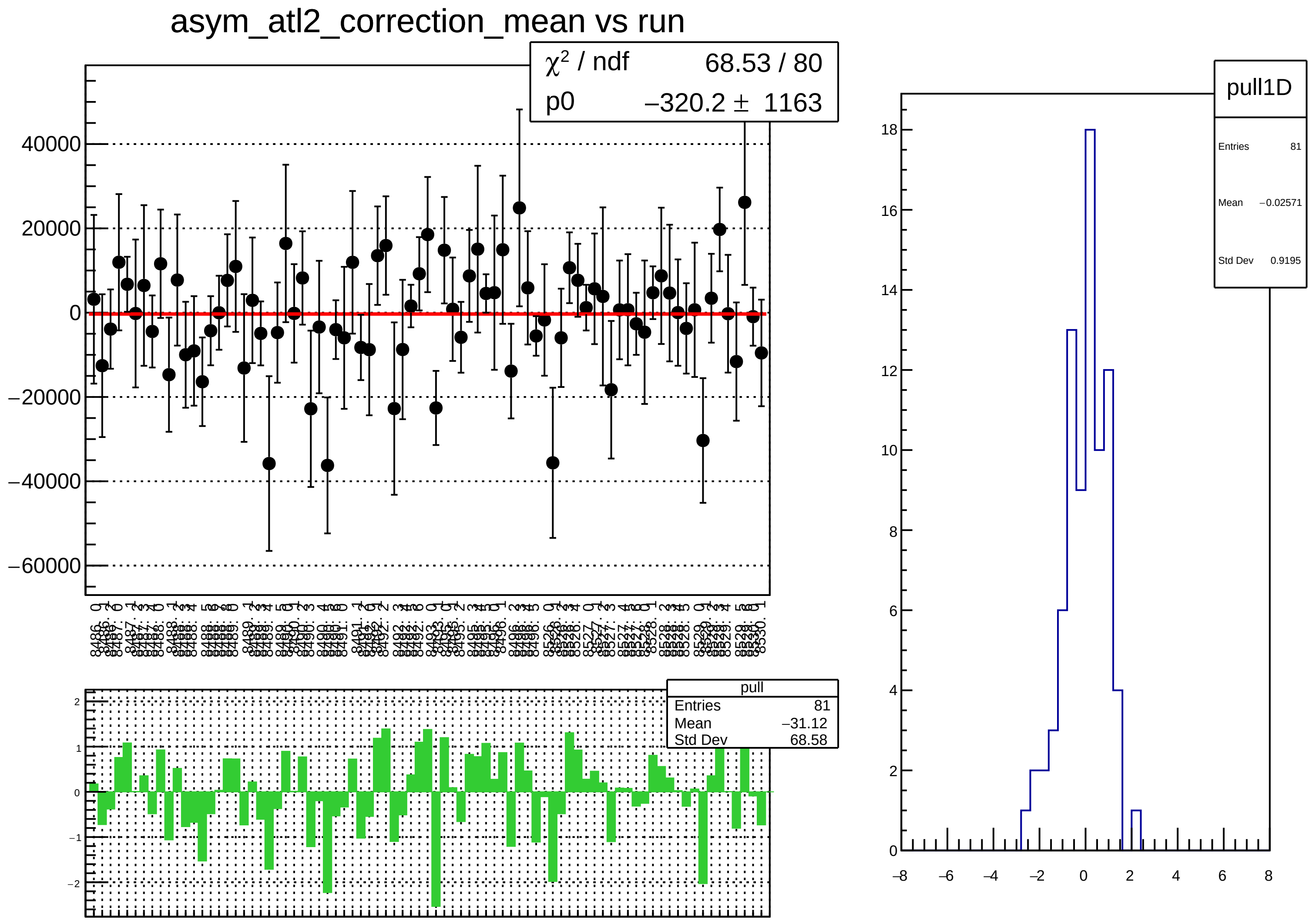

asym_atl1_rms vs run
χ2 / ndf 159.7 / 80
p0 2457 ± 1.929
2560
2540
2520
2500
2480
2460
2440
2420
2400
2380



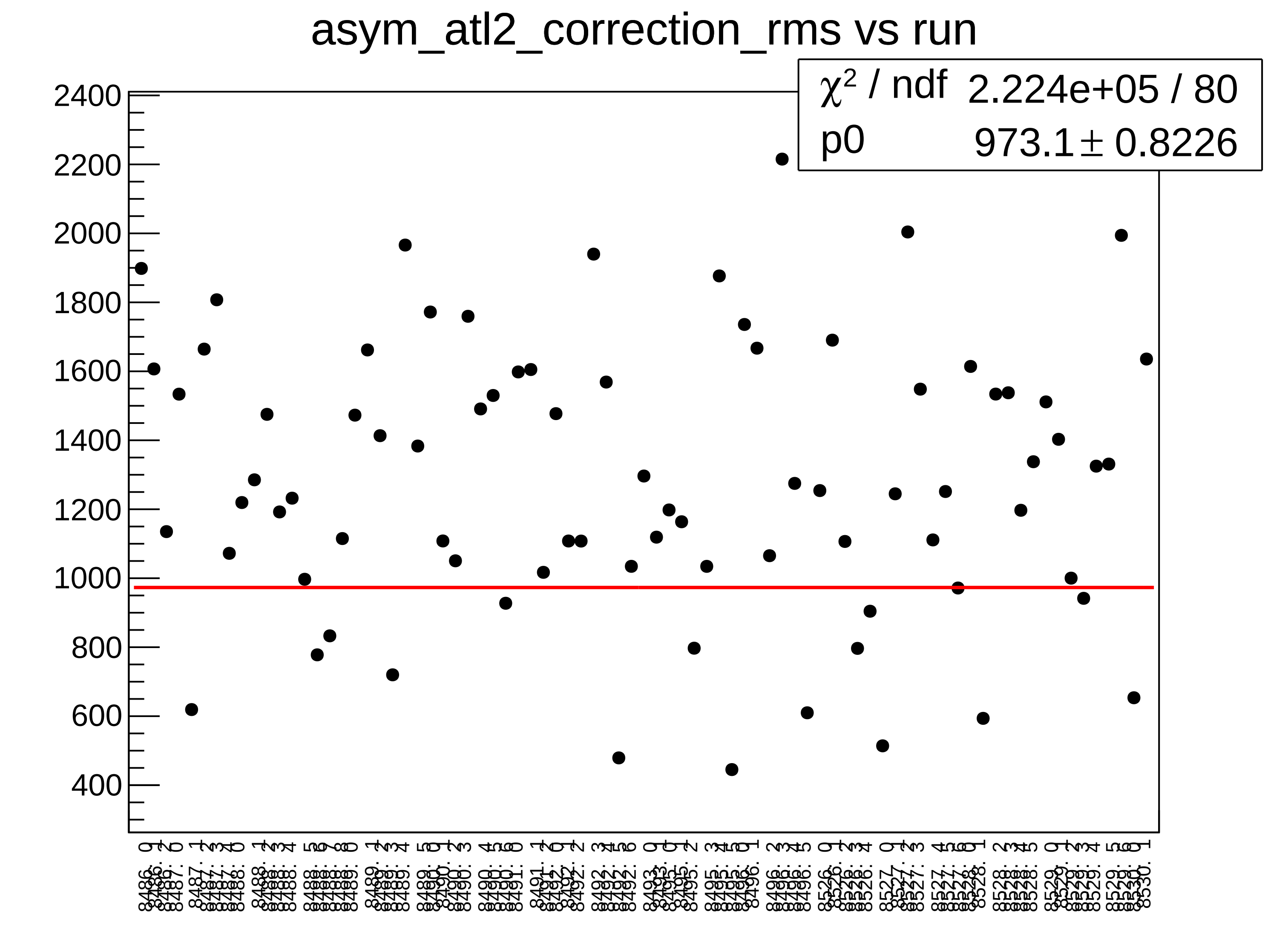
reg_asym_atl2_mean vs run
×10^3
χ2 / ndf 51.51 / 79
p0 −2.797e+04 ± 5.304e+04
pull
Entries 80
Mean −413
Std Dev 453.3
pull1D
Entries 80
Mean 0.01114
Std Dev 0.8023

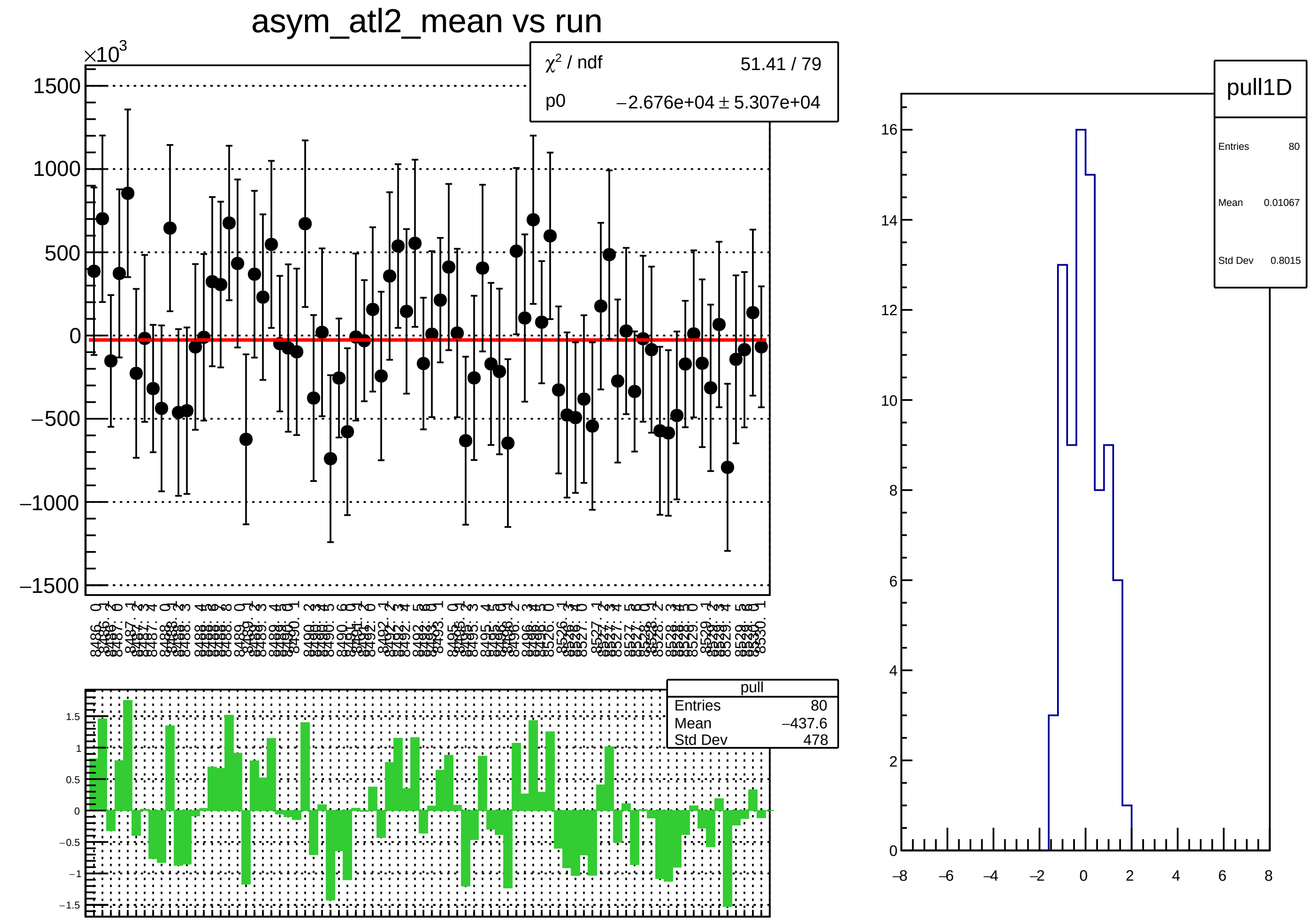


reg_asym_atl2_rms vs run
χ^2 / ndf 83.57 / 80
p0 4.75e+04 ± 37.3
49000
48500
48000
47500
47000
46500
46000

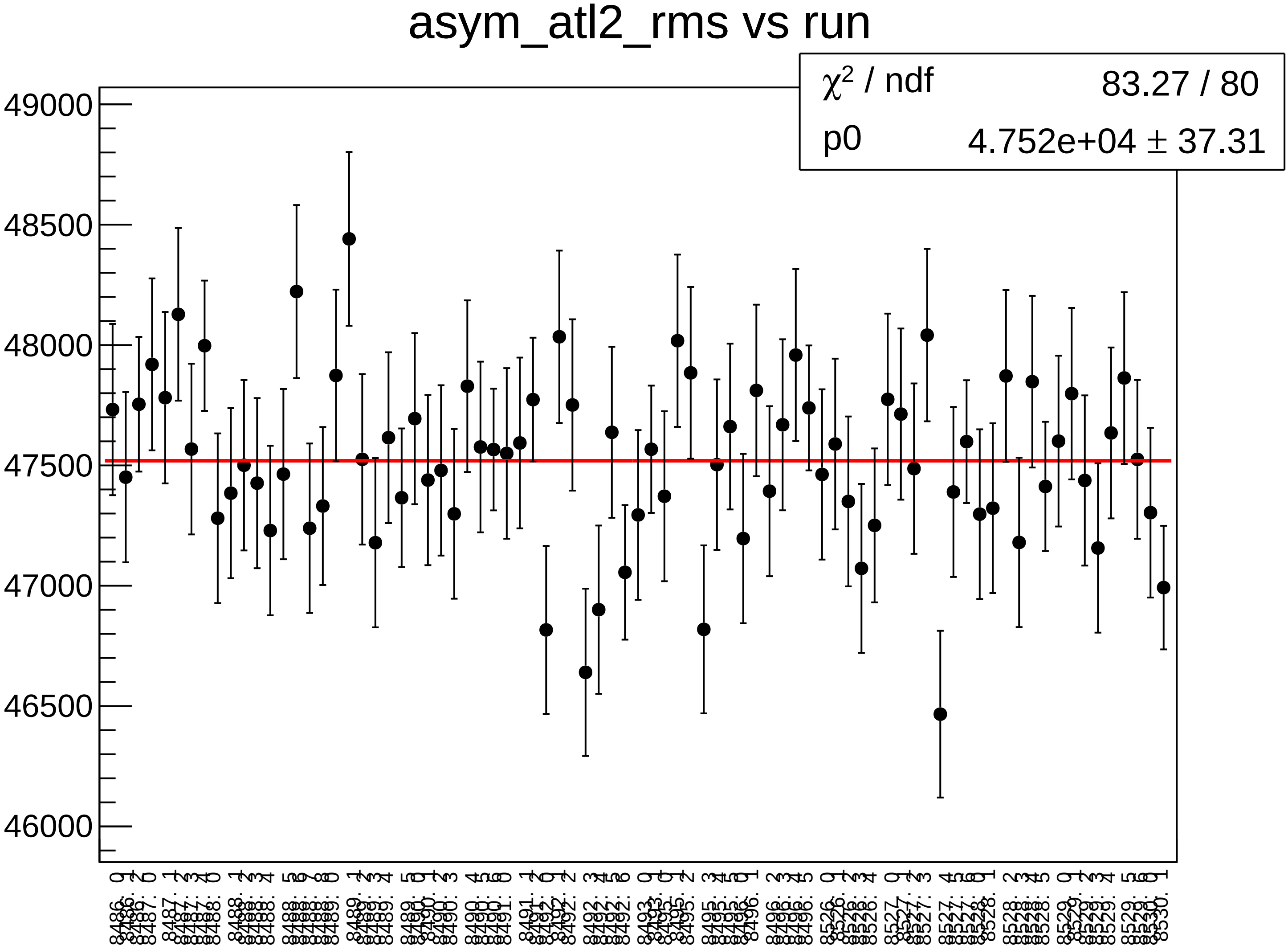


asym_atl2_correction_mean vs run
χ2 / ndf 68.53 / 80
p0 −320.2 ± 1163
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −31.12
Std Dev 68.58
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.02571
Std Dev 0.9195
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

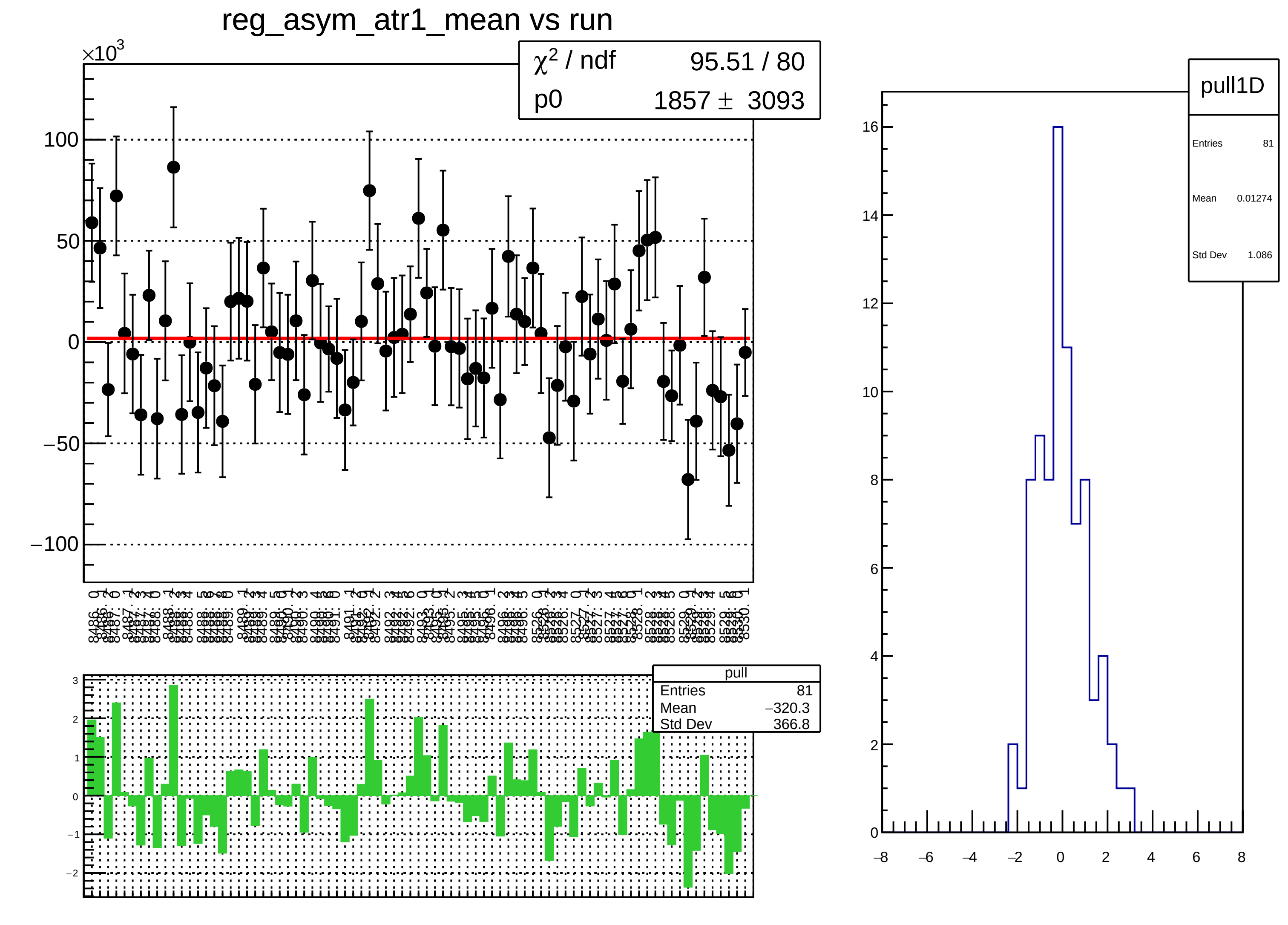

asym_atl2_correction_rms vs run
χ^2 / ndf 2.224e+05 / 80
p0 973.1 ± 0.8226
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400



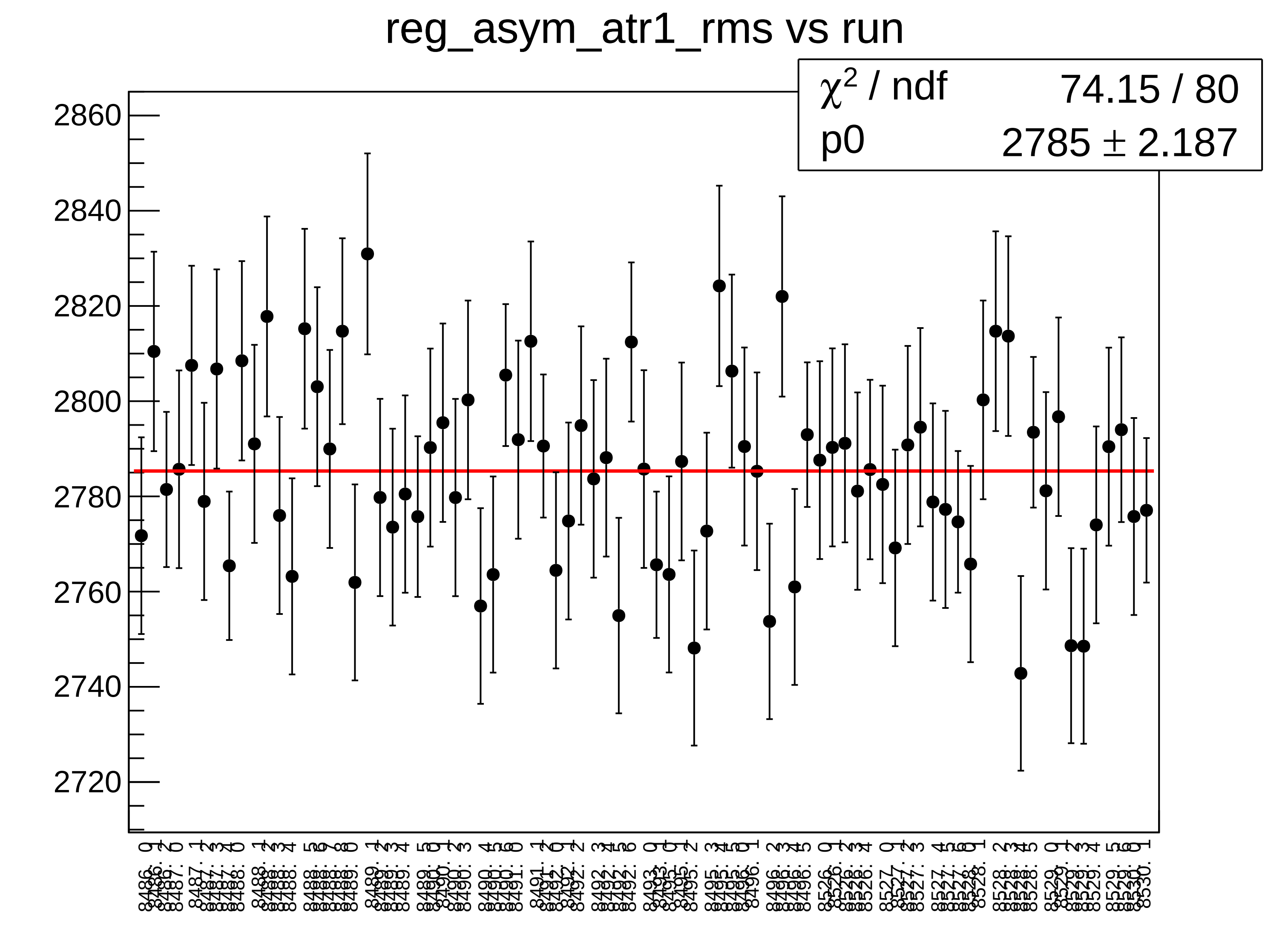
asym_atl2_mean vs run
$\times10^{3}$
χ^2 / ndf 51.41 / 79
p0 −2.676e+04 ± 5.307e+04
pull
Entries 80
Mean −437.6
Std Dev 478
pull1D
Entries 80
Mean 0.01067
Std Dev 0.8015



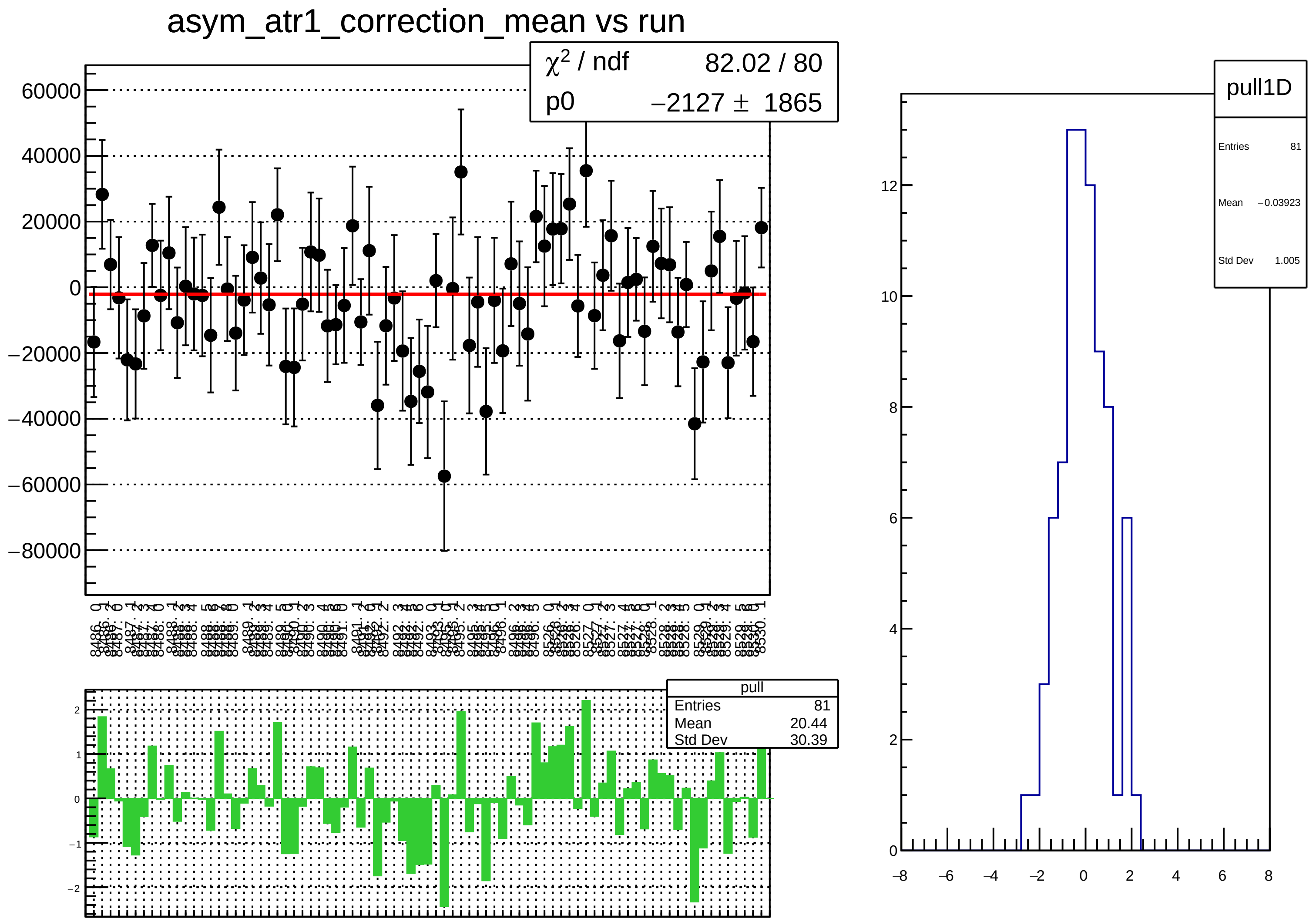
asym_atl2_rms vs run
χ2 / ndf 83.27 / 80
p0 4.752e+04 ± 37.31
49000
48500
48000
47500
47000
46500
46000

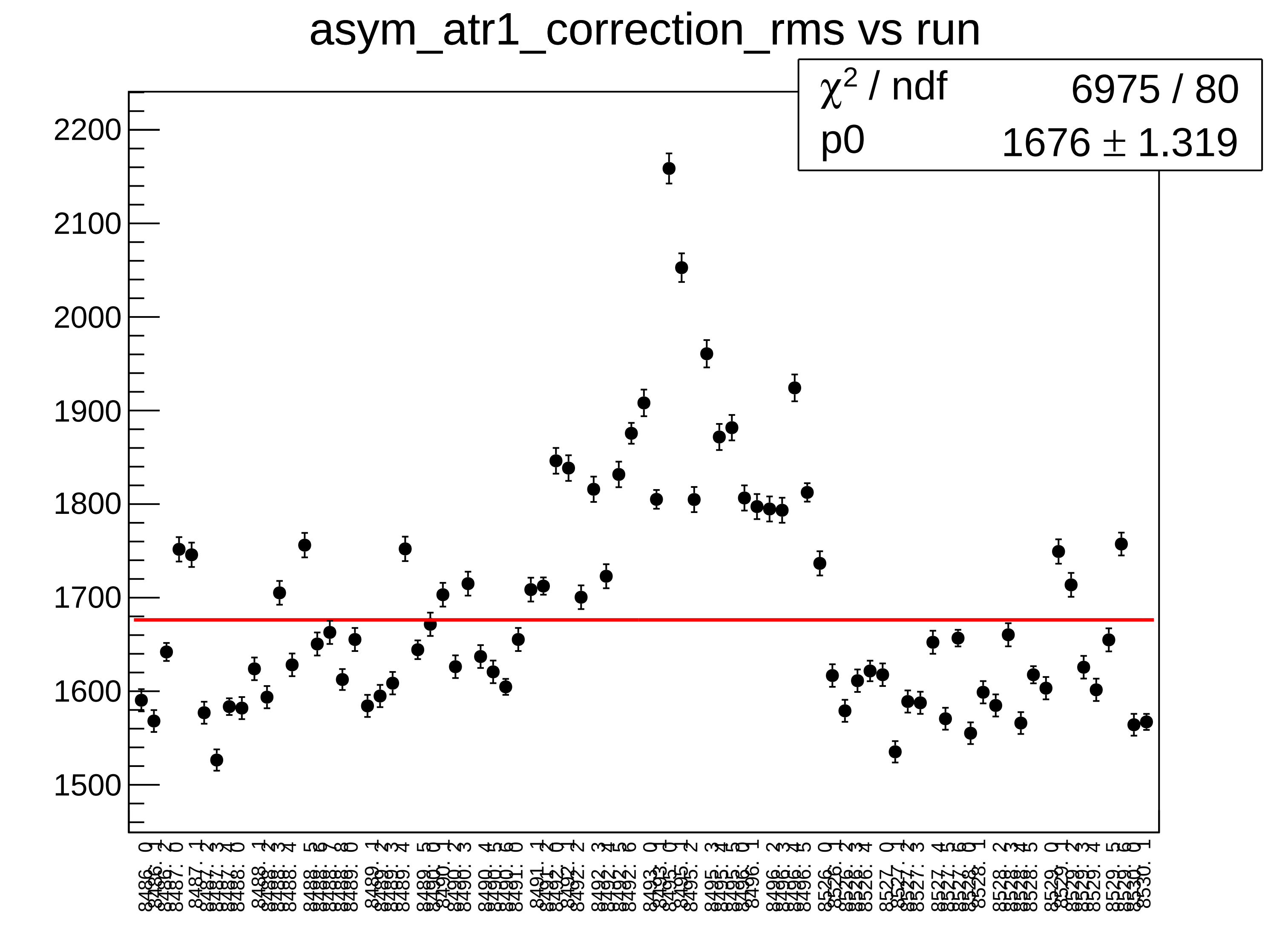


reg_asym_atr1_mean vs run
$\times10^3$
χ^2 / ndf 95.51 / 80
p0 1857 ± 3093
pull
Entries 81
Mean −320.3
Std Dev 366.8
pull1D
Entries 81
Mean 0.01274
Std Dev 1.086

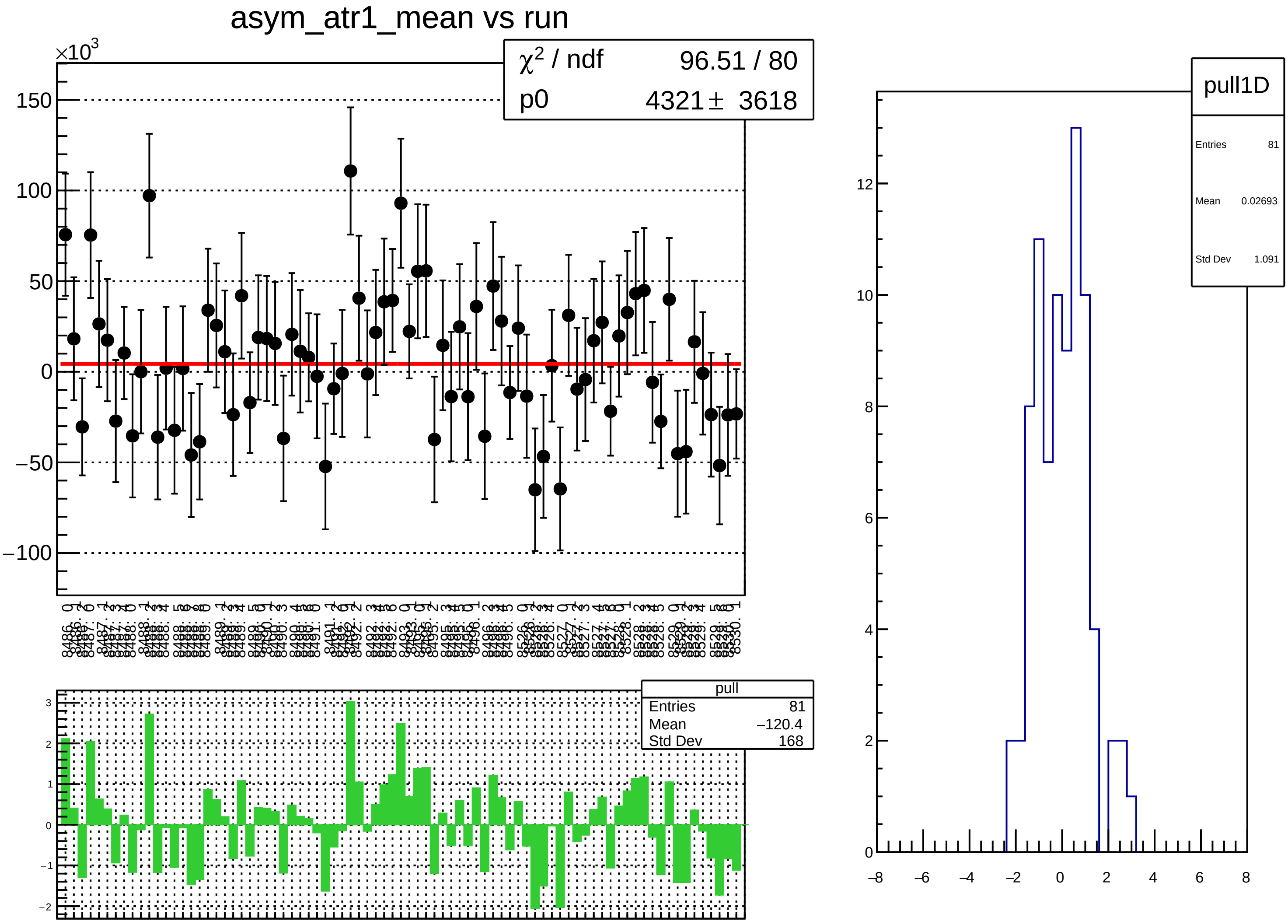


reg_asym_atr1_rms vs run
χ² / ndf 74.15 / 80
p0 2785 ± 2.187
2860
2840
2820
2800
2780
2760
2740
2720

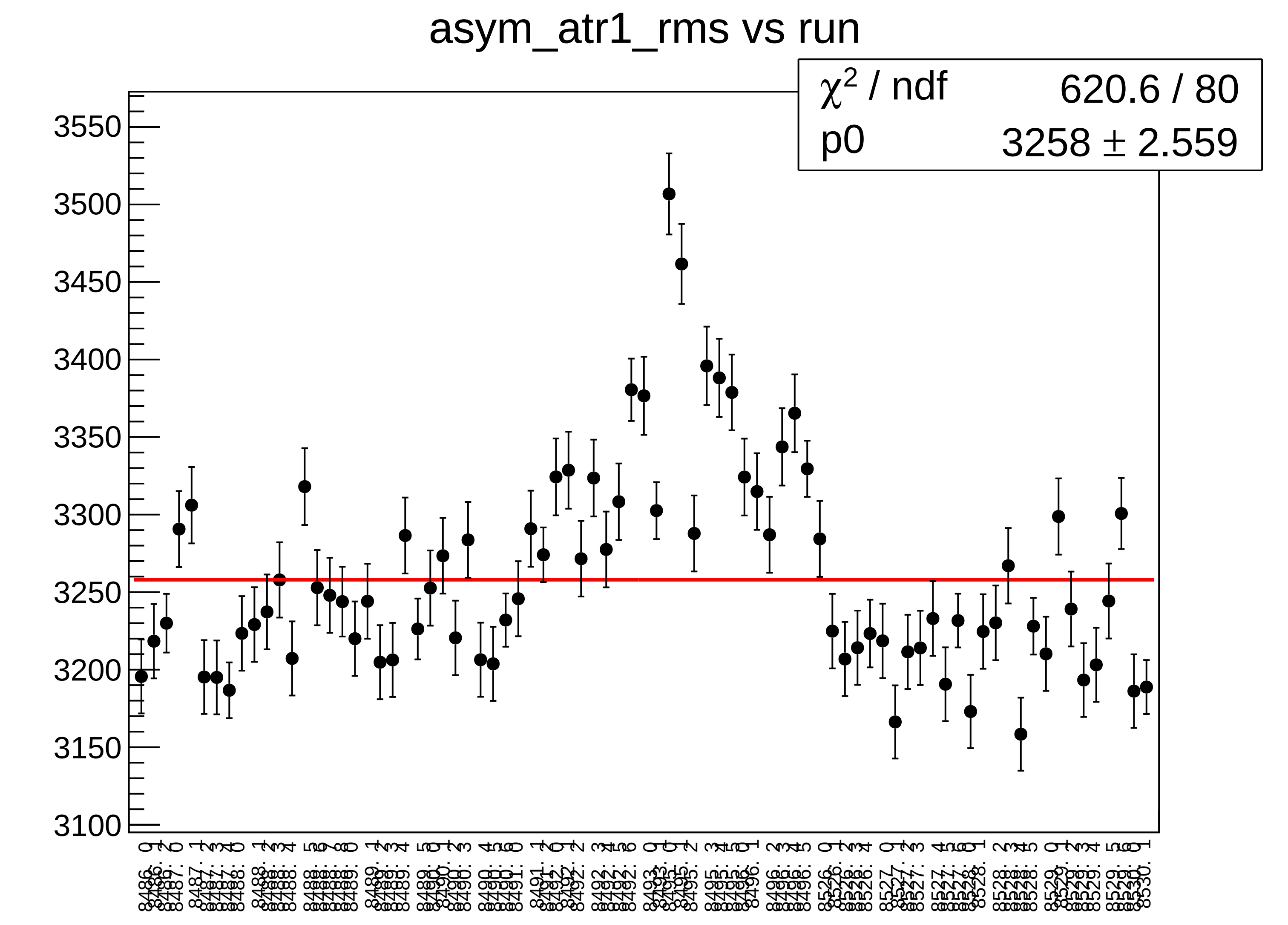

asym_atr1_correction_mean vs run
χ^2 / ndf 82.02 / 80
p0 −2127 ± 1865
pull
Entries 81
Mean 20.44
Std Dev 30.39
pull1D
Entries 81
Mean −0.03923
Std Dev 1.005



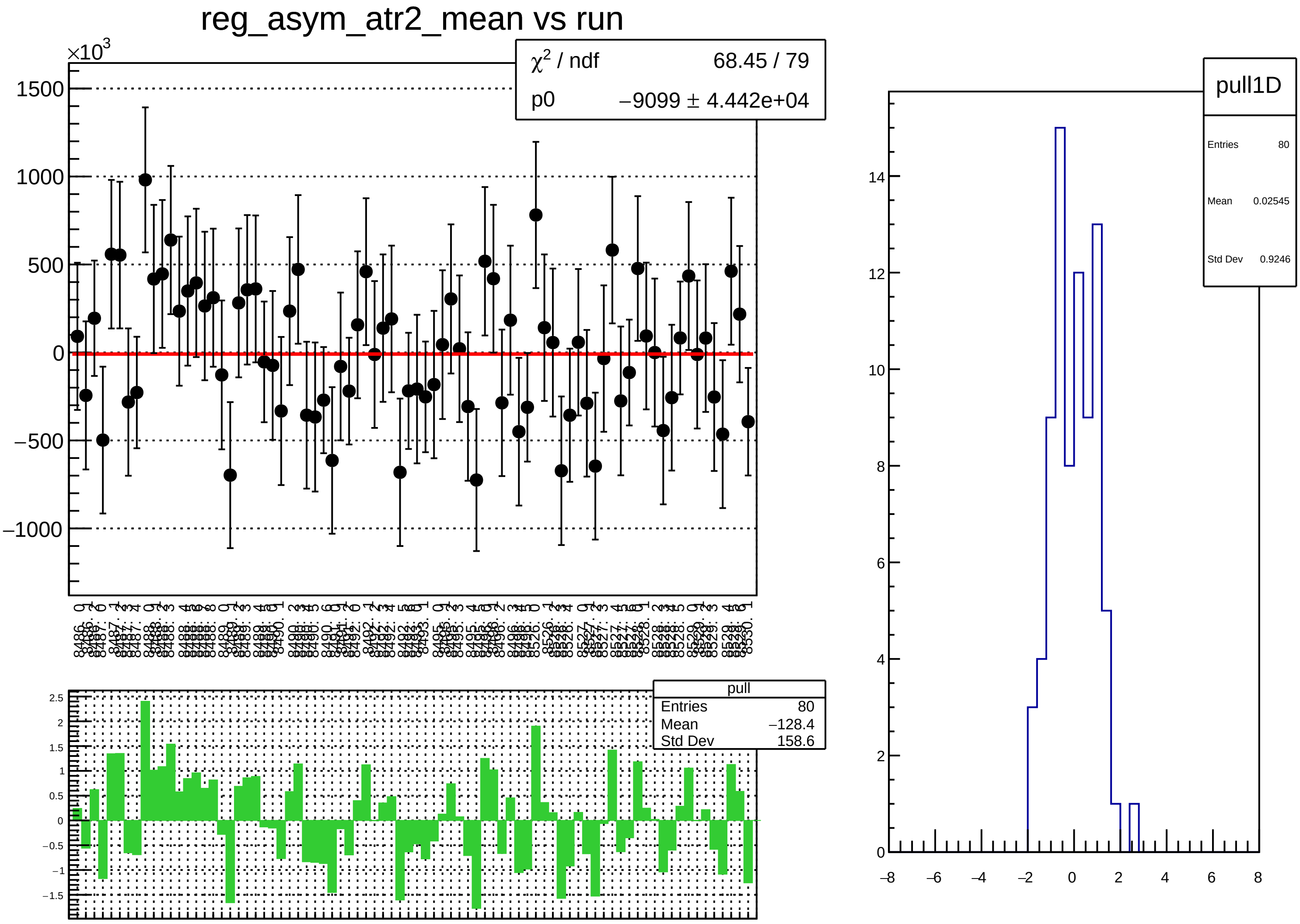
asym_atr1_correction_rms vs run
χ^2 / ndf 6975 / 80
p0 1676 ± 1.319
2200
2100
2000
1900
1800
1700
1600
1500



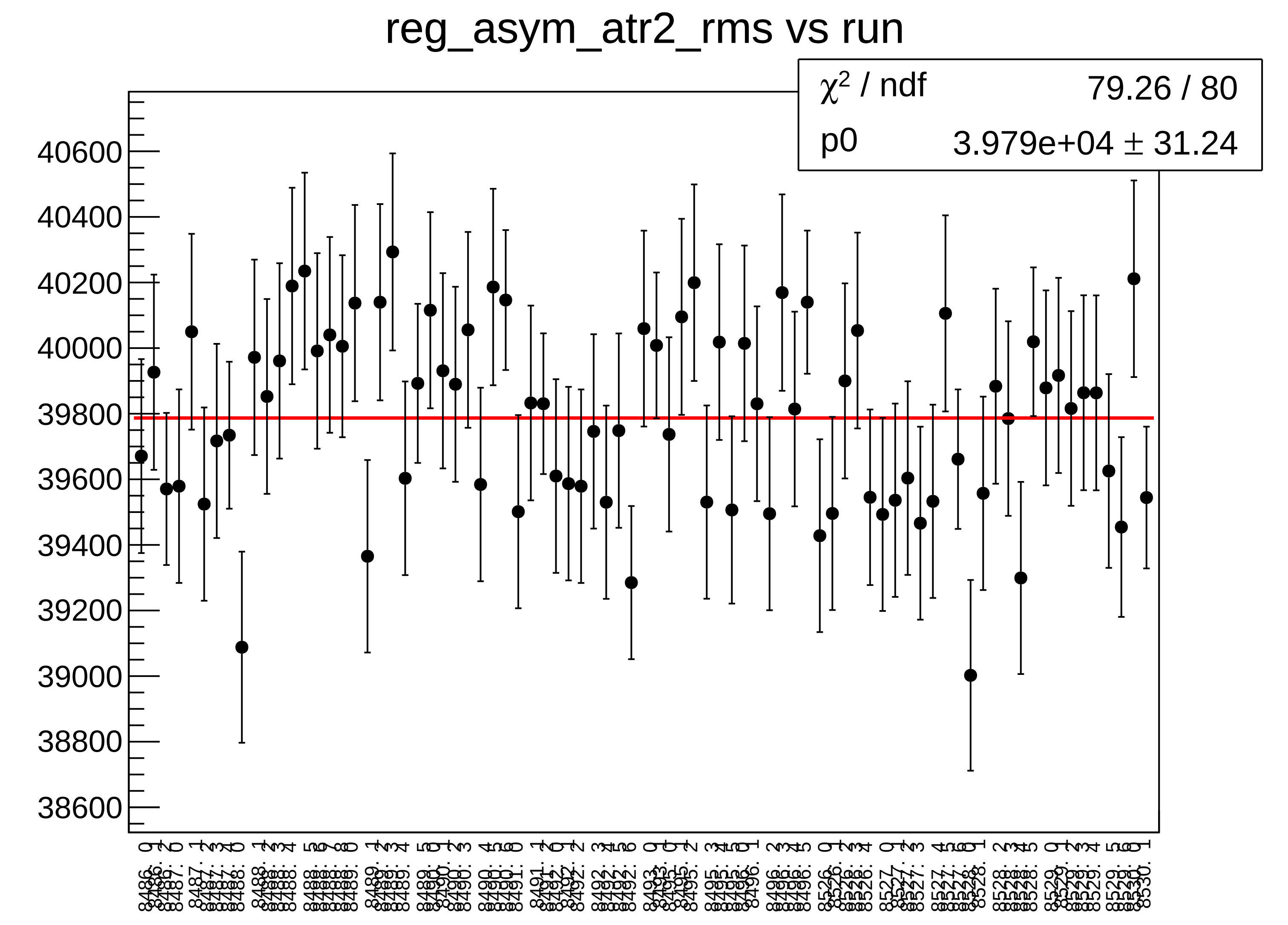
asym_atr1_mean vs run
×10^3
χ2 / ndf 96.51 / 80
p0 4321 ± 3618
pull
Entries 81
Mean −120.4
Std Dev 168
pull1D
Entries 81
Mean 0.02693
Std Dev 1.091



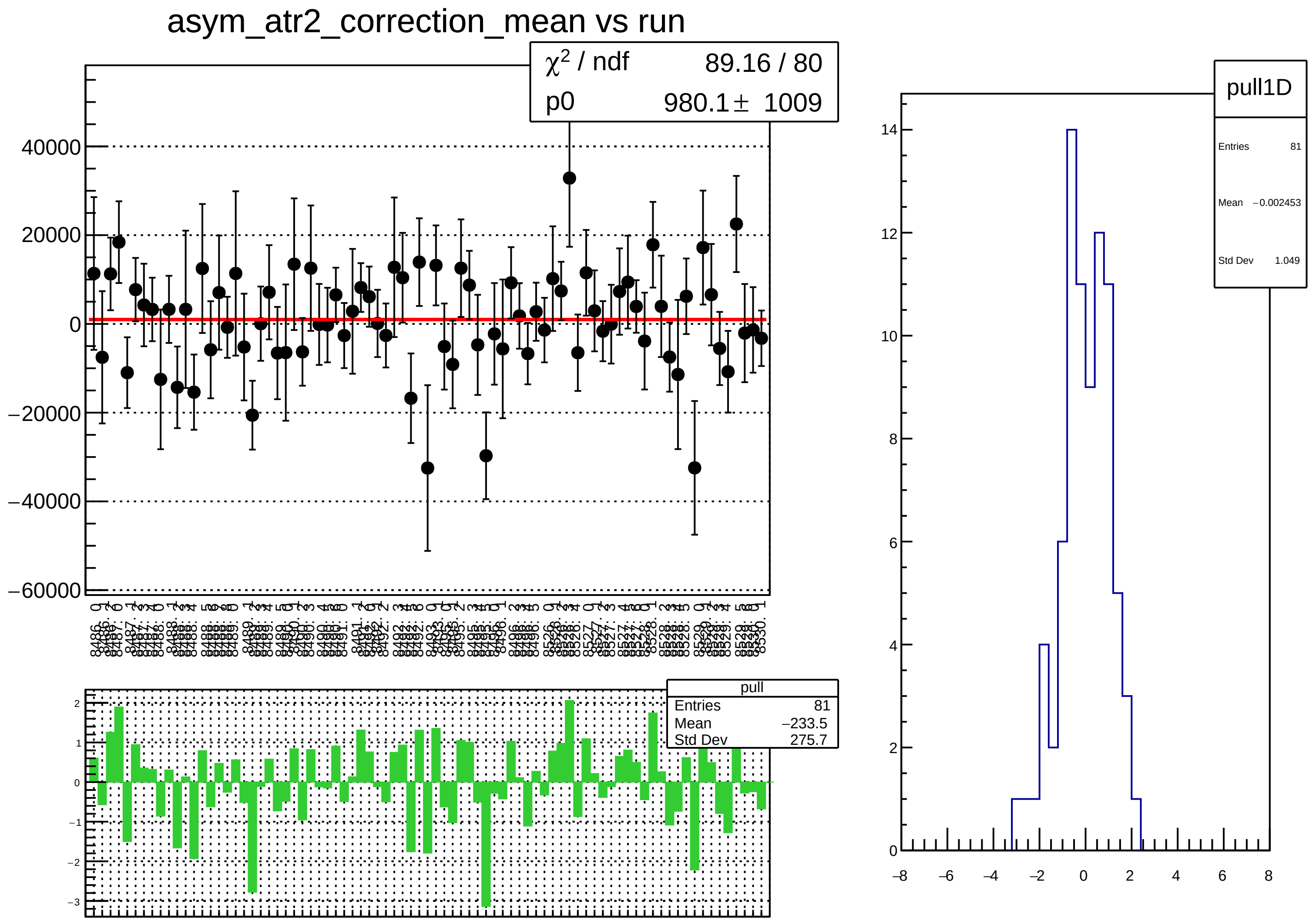
asym_atr1_rms vs run
χ^2 / ndf 620.6 / 80
p0 3258 ± 2.559
3550
3500
3450
3400
3350
3300
3250
3200
3150
3100



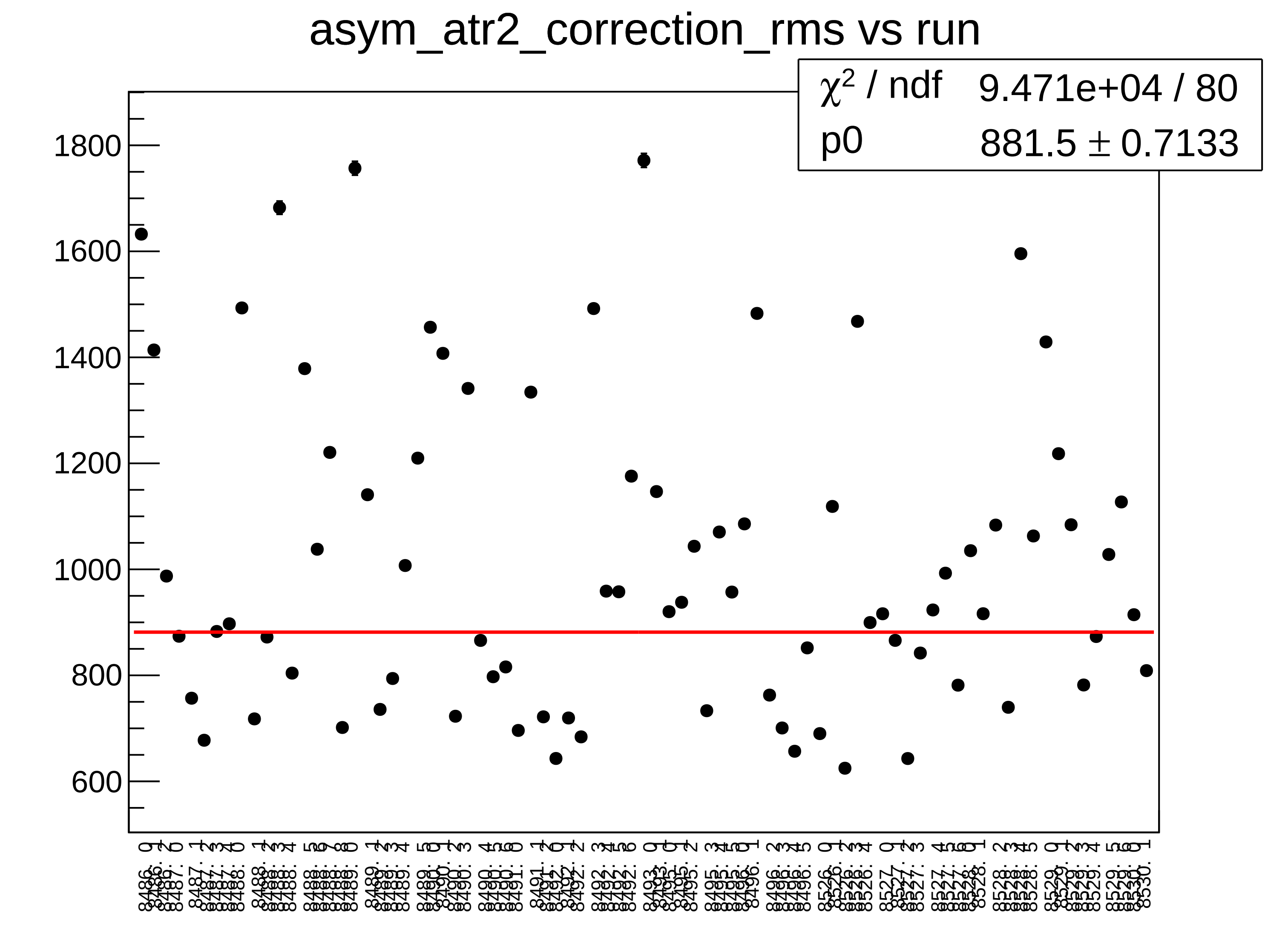
reg_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 68.45 / 79
p0 −9099 ± 4.442e+04
pull
Entries 80
Mean −128.4
Std Dev 158.6
pull1D
Entries 80
Mean 0.02545
Std Dev 0.9246

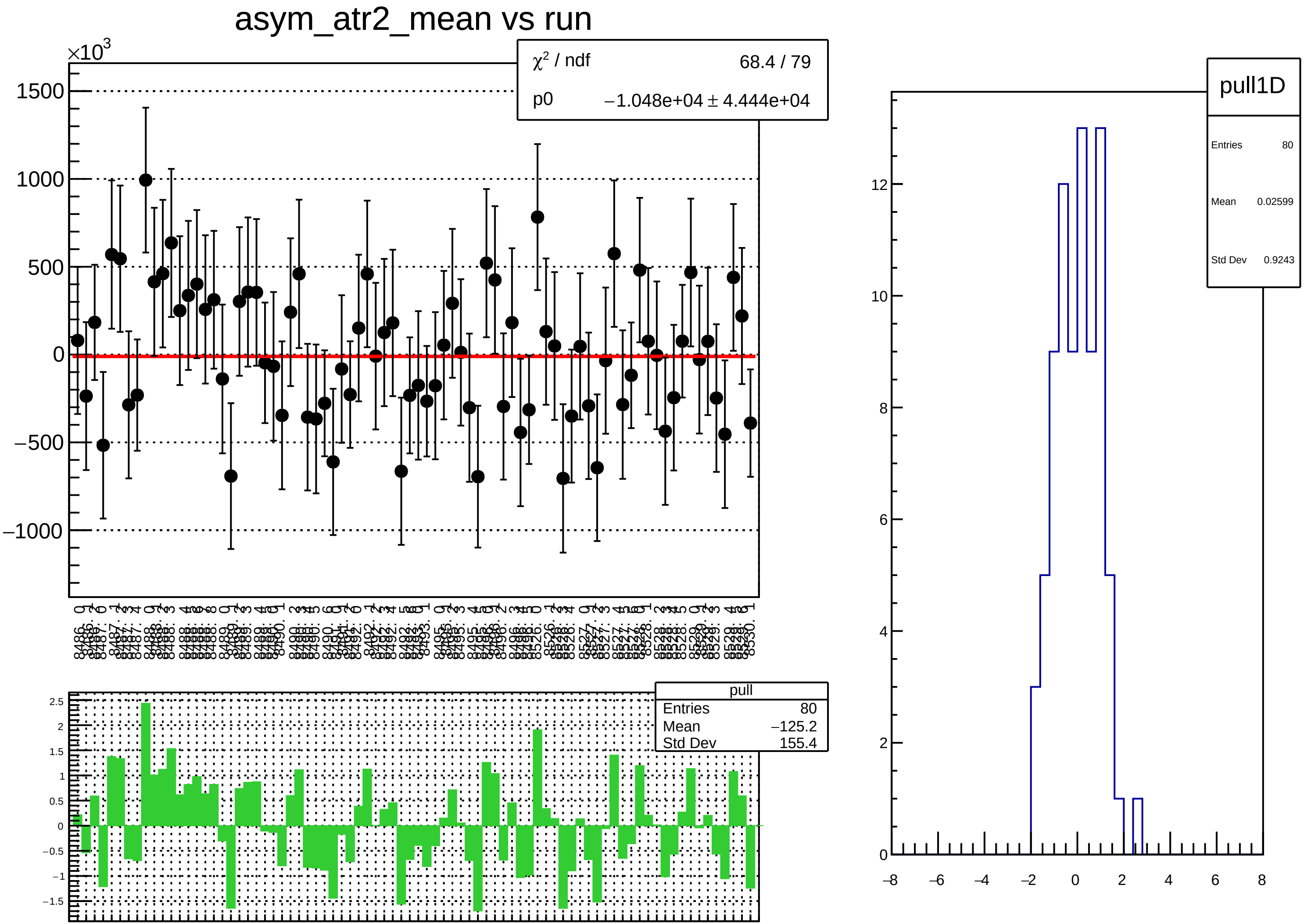


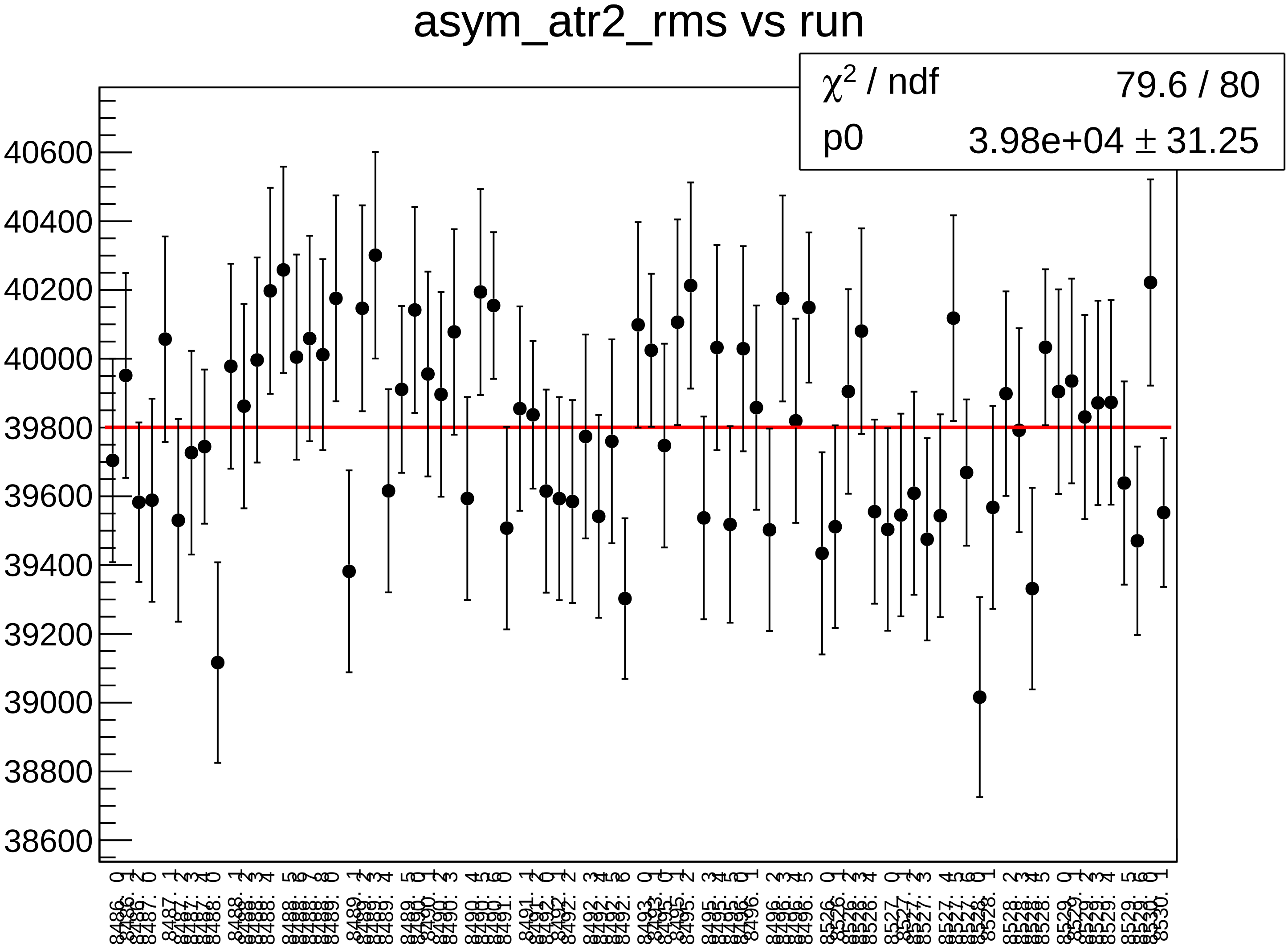
reg_asym_atr2_rms vs run
χ^2 / ndf 79.26 / 80
p0 3.979e+04 ± 31.24
40600
40400
40200
40000
39800
39600
39400
39200
39000
38800
38600



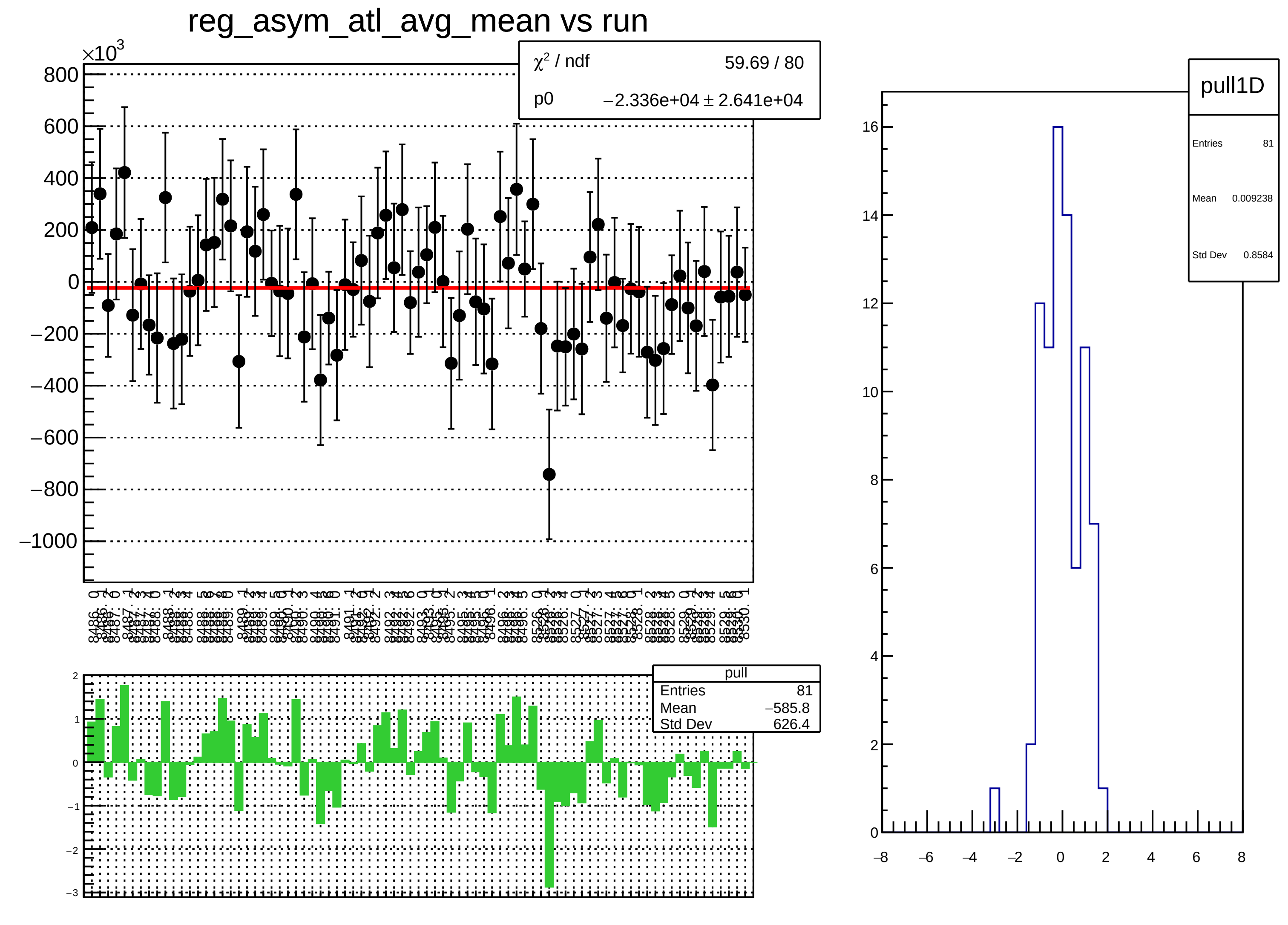
asym_atr2_correction_mean vs run
χ² / ndf 89.16 / 80
p0 980.1 ± 1009
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −233.5
Std Dev 275.7
pull1D
Entries 81
Mean −0.002453
Std Dev 1.049


asym_atr2_correction_rms vs run
χ² / ndf 9.471e+04 / 80
p0 881.5 ± 0.7133
1800
1600
1400
1200
1000
800
600


asym_atr2_mean vs run
χ^2 / ndf 68.4 / 79
p0 −1.048e+04 ± 4.444e+04
pull
Entries 80
Mean −125.2
Std Dev 155.4
pull1D
Entries 80
Mean 0.02599
Std Dev 0.9243

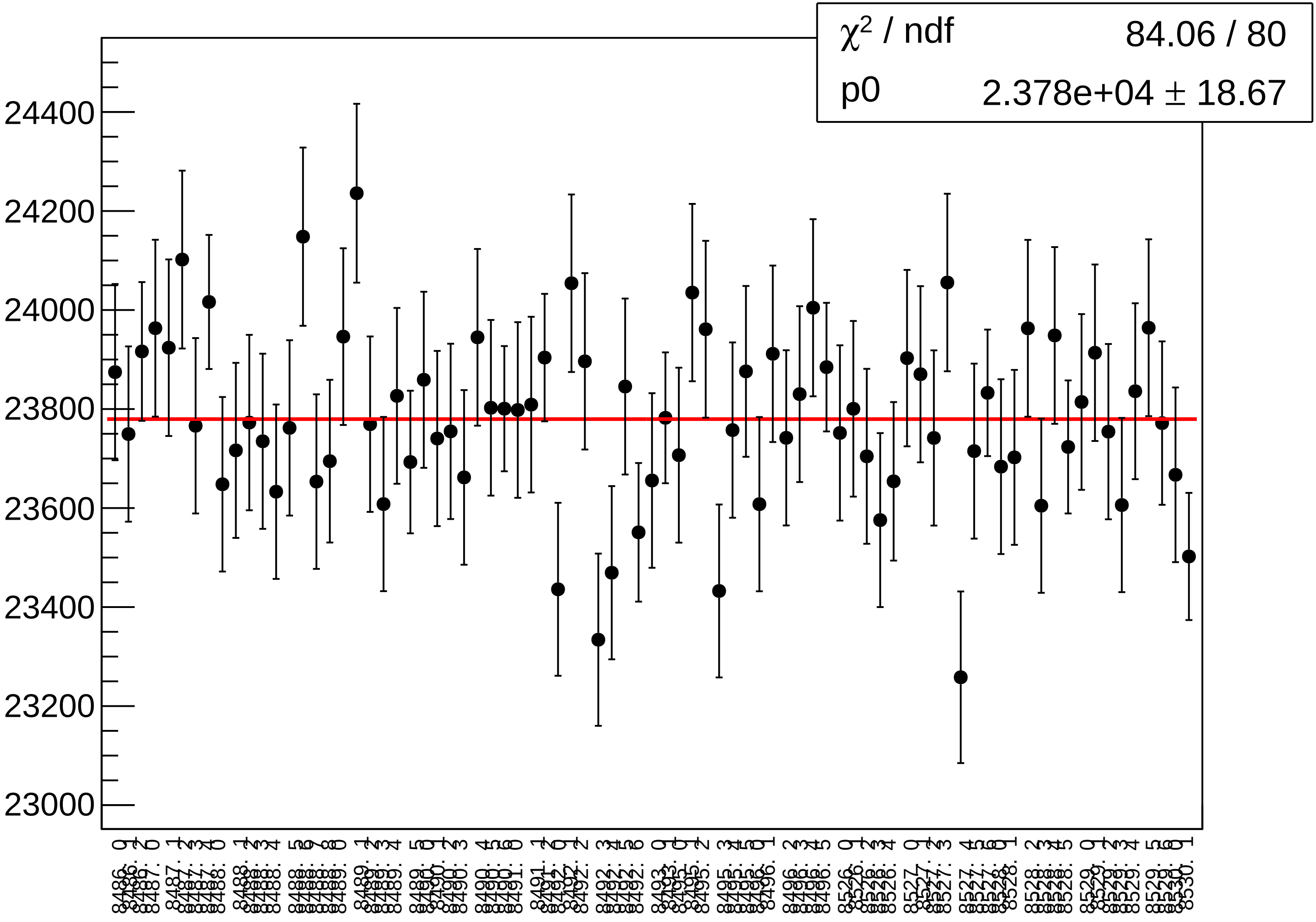


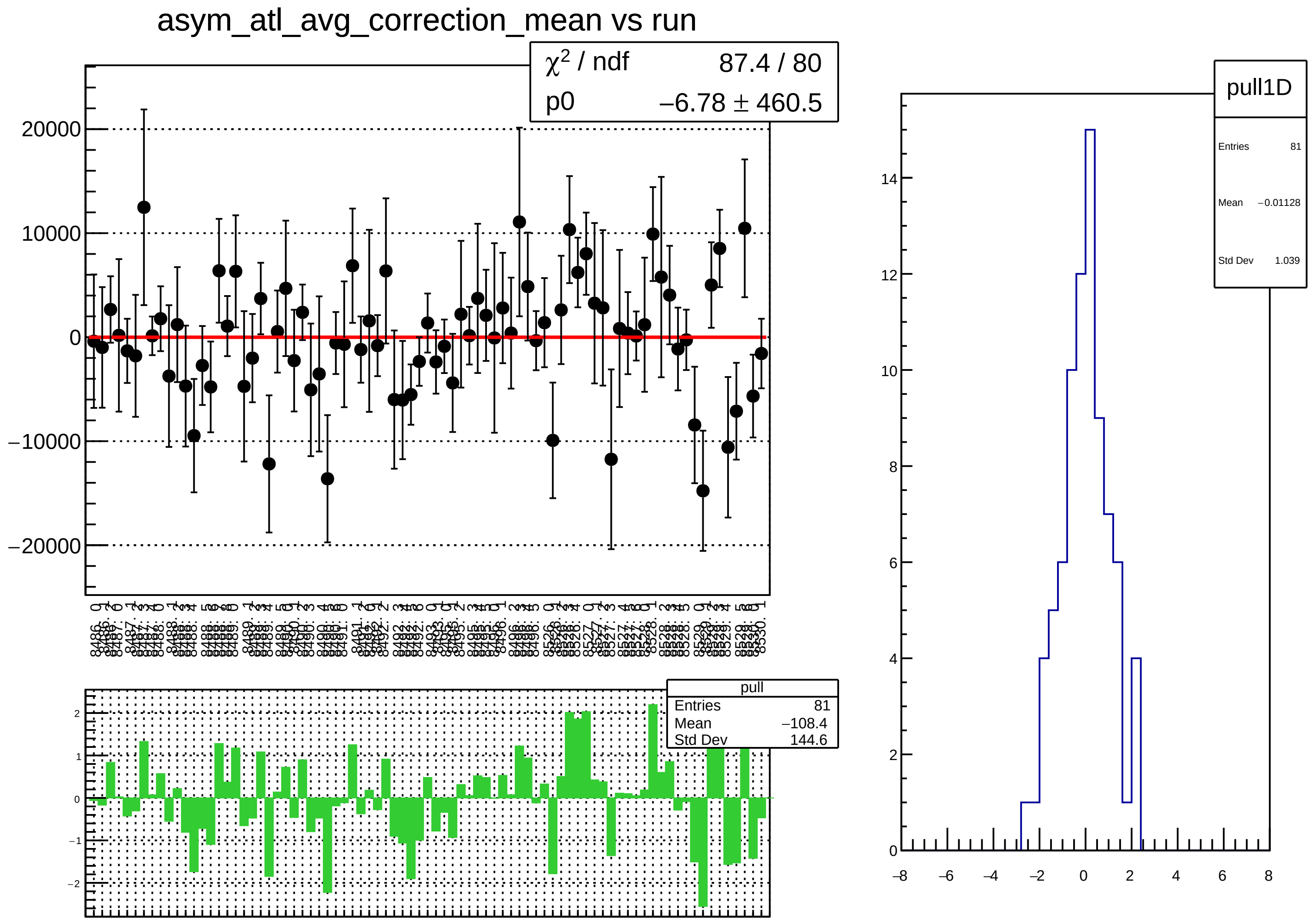
asym_atr2_rms vs run
χ^2 / ndf 79.6 / 80
p0 3.98e+04 ± 31.25
40600
40400
40200
40000
39800
39600
39400
39200
39000
38800
38600

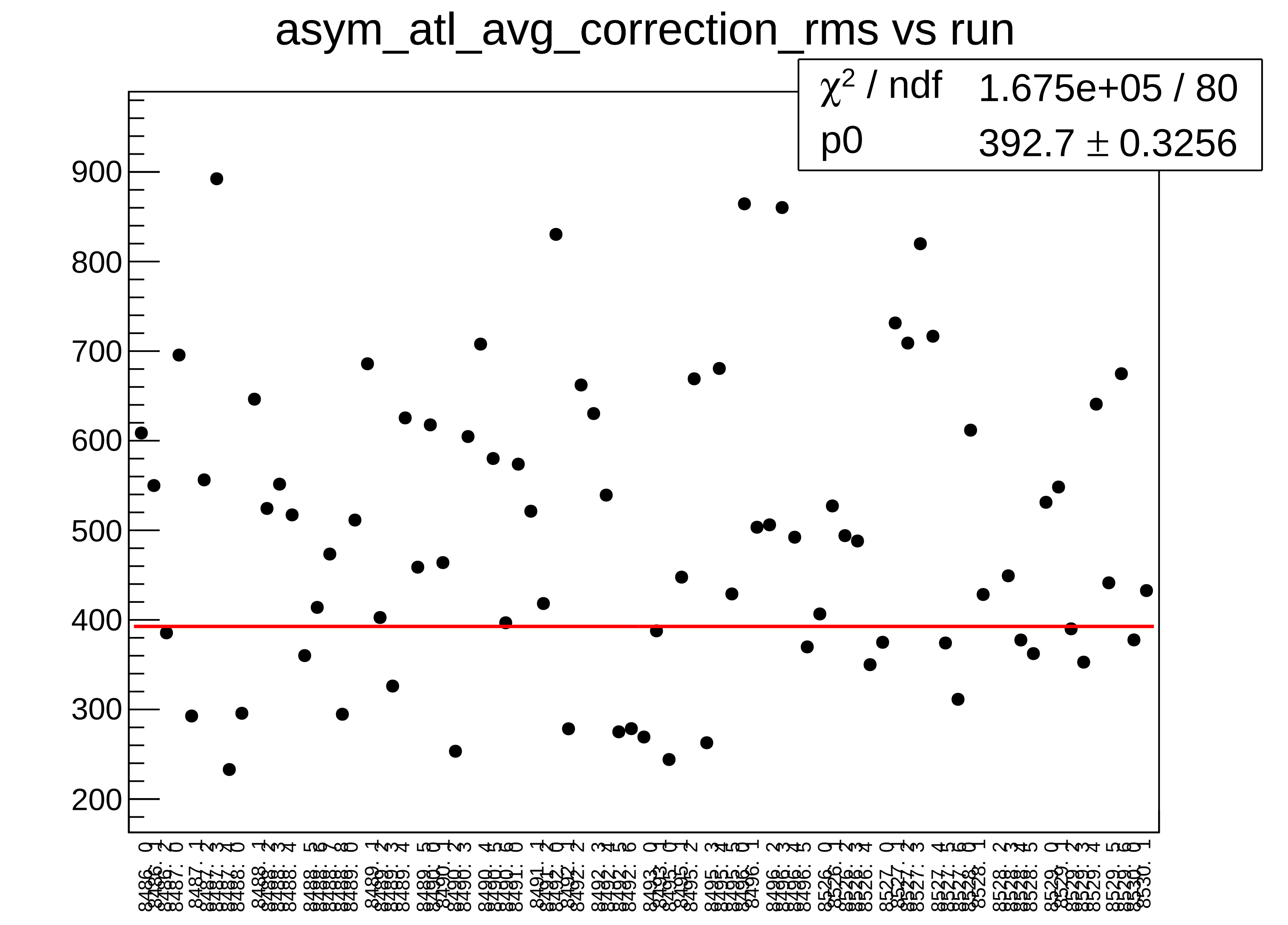


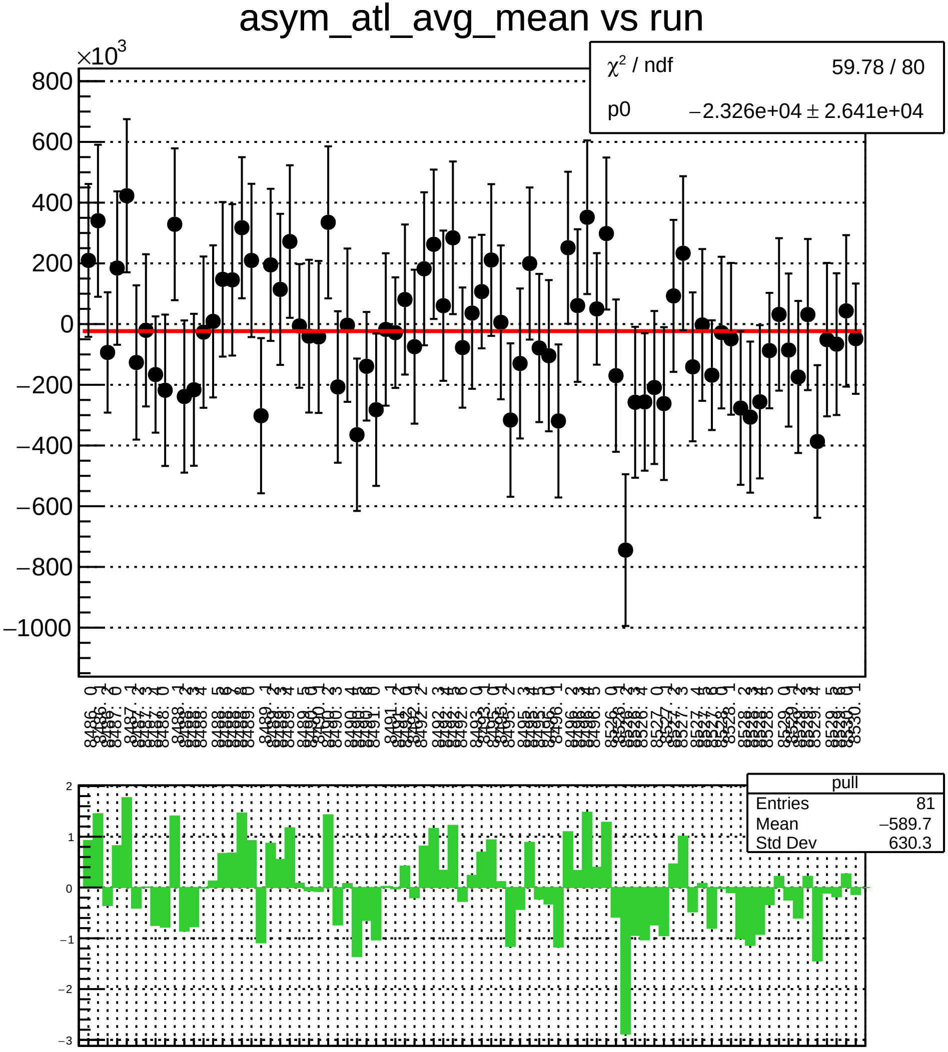
reg_asym_atl_avg_mean vs run
χ2 / ndf 59.69 / 80
p0 −2.336e+04 ± 2.641e+04
pull
Entries 81
Mean −585.8
Std Dev 626.4
pull1D
Entries 81
Mean 0.009238
Std Dev 0.8584

reg_asym_atl_avg_rms vs run

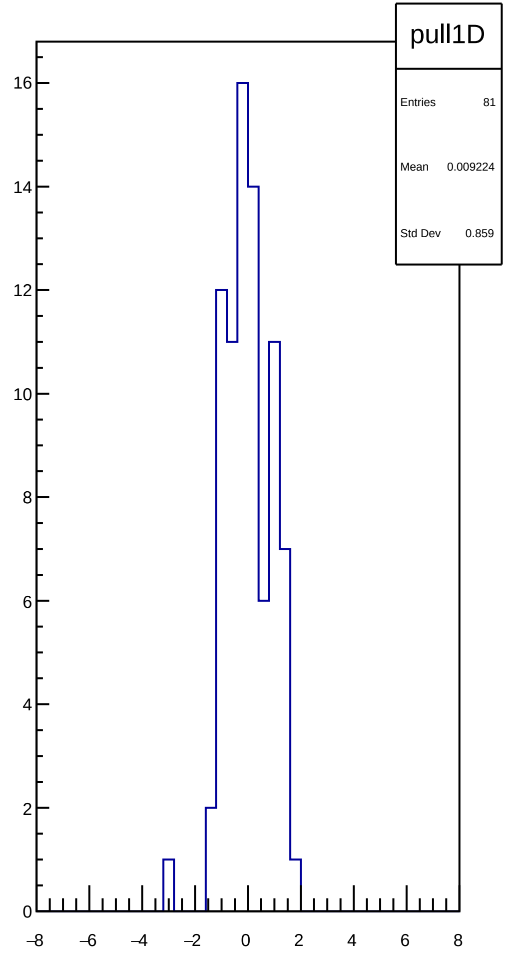



asym_atl_avg_correction_mean vs run
χ^2 / ndf 87.4 / 80
p0 −6.78 ± 460.5
pull
Entries 81
Mean −108.4
Std Dev 144.6
pull1D
Entries 81
Mean −0.01128
Std Dev 1.039

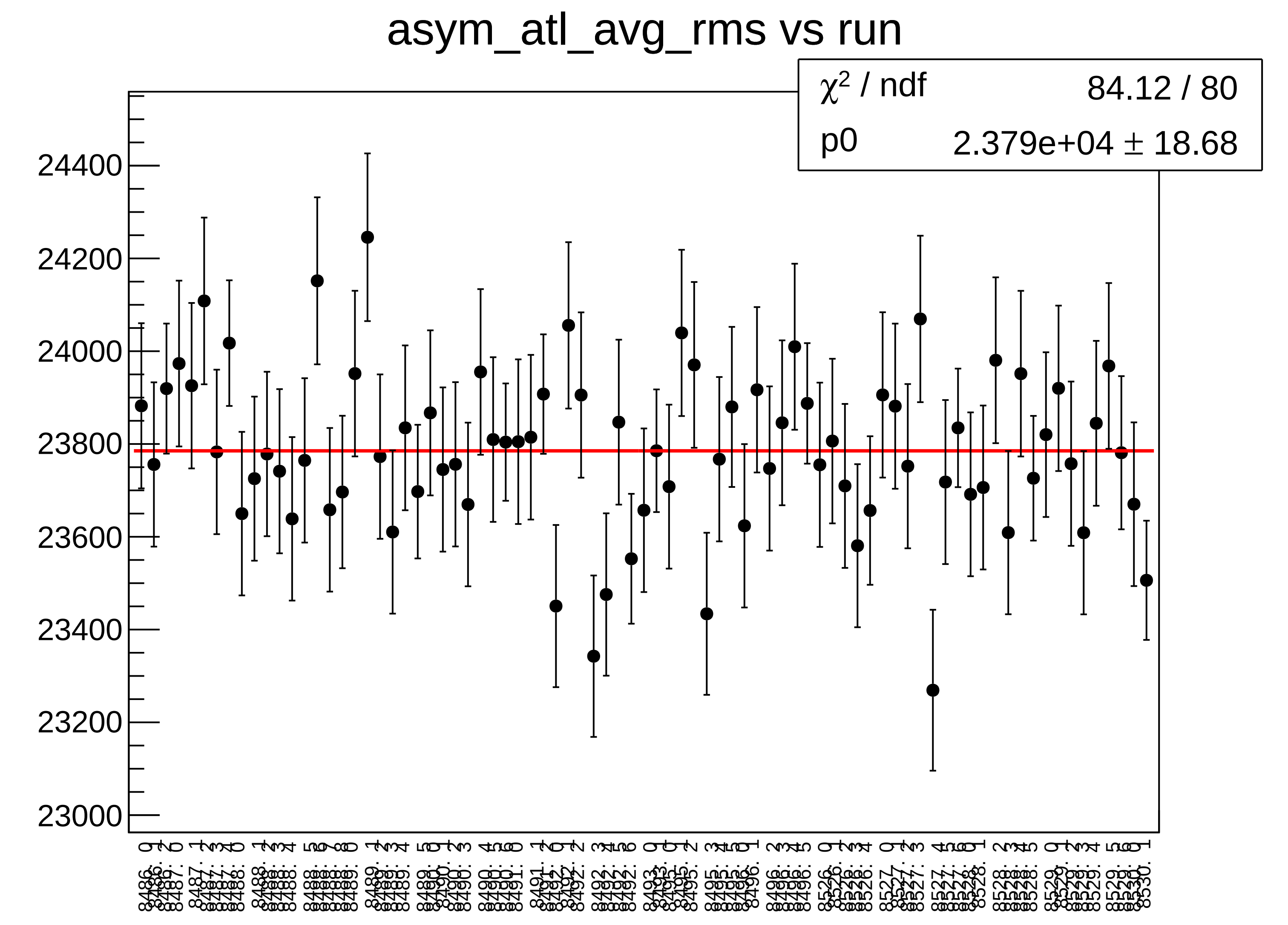

asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.675e+05 / 80
p0 392.7 ± 0.3256
900
800
700
600
500
400
300
200

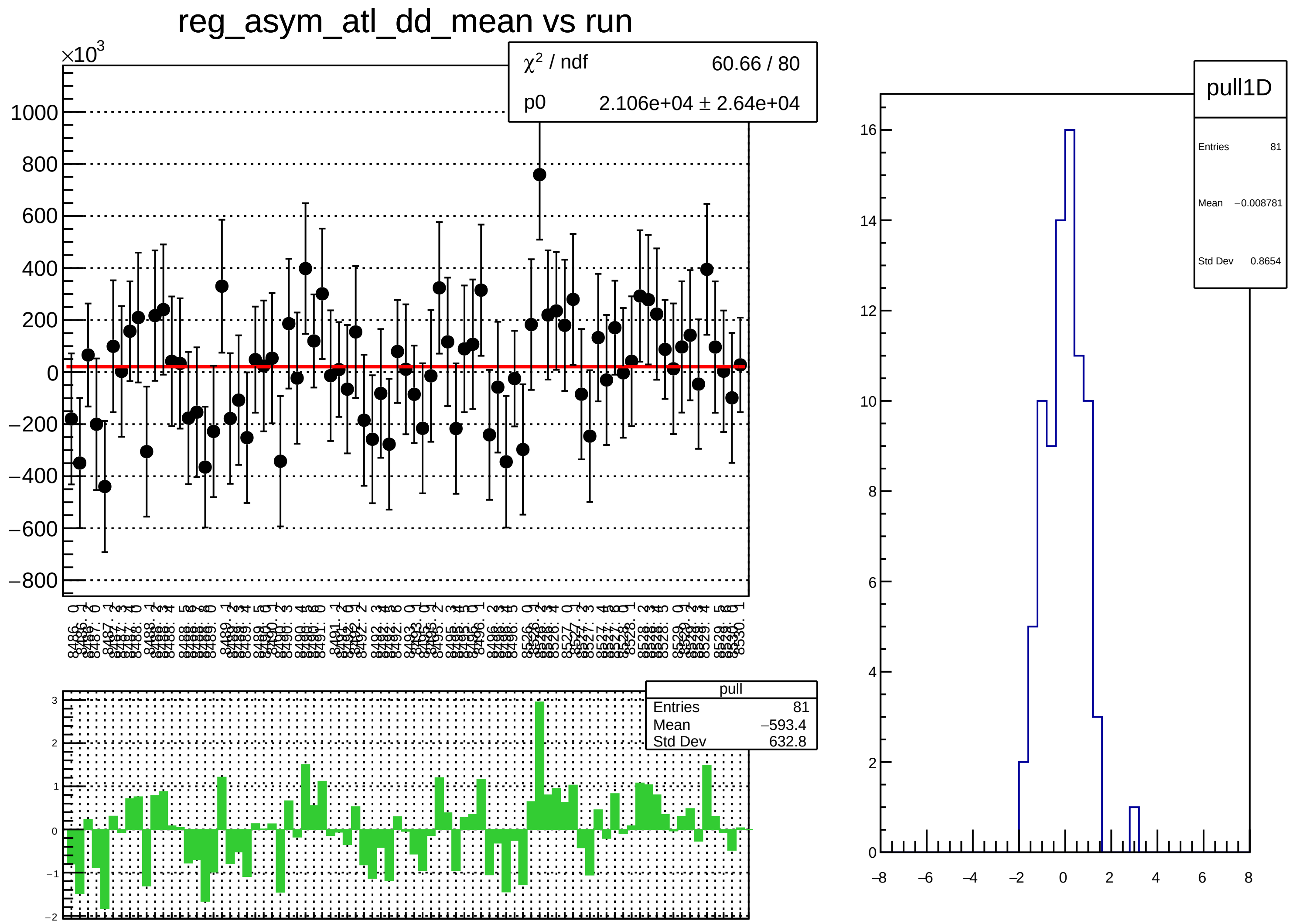


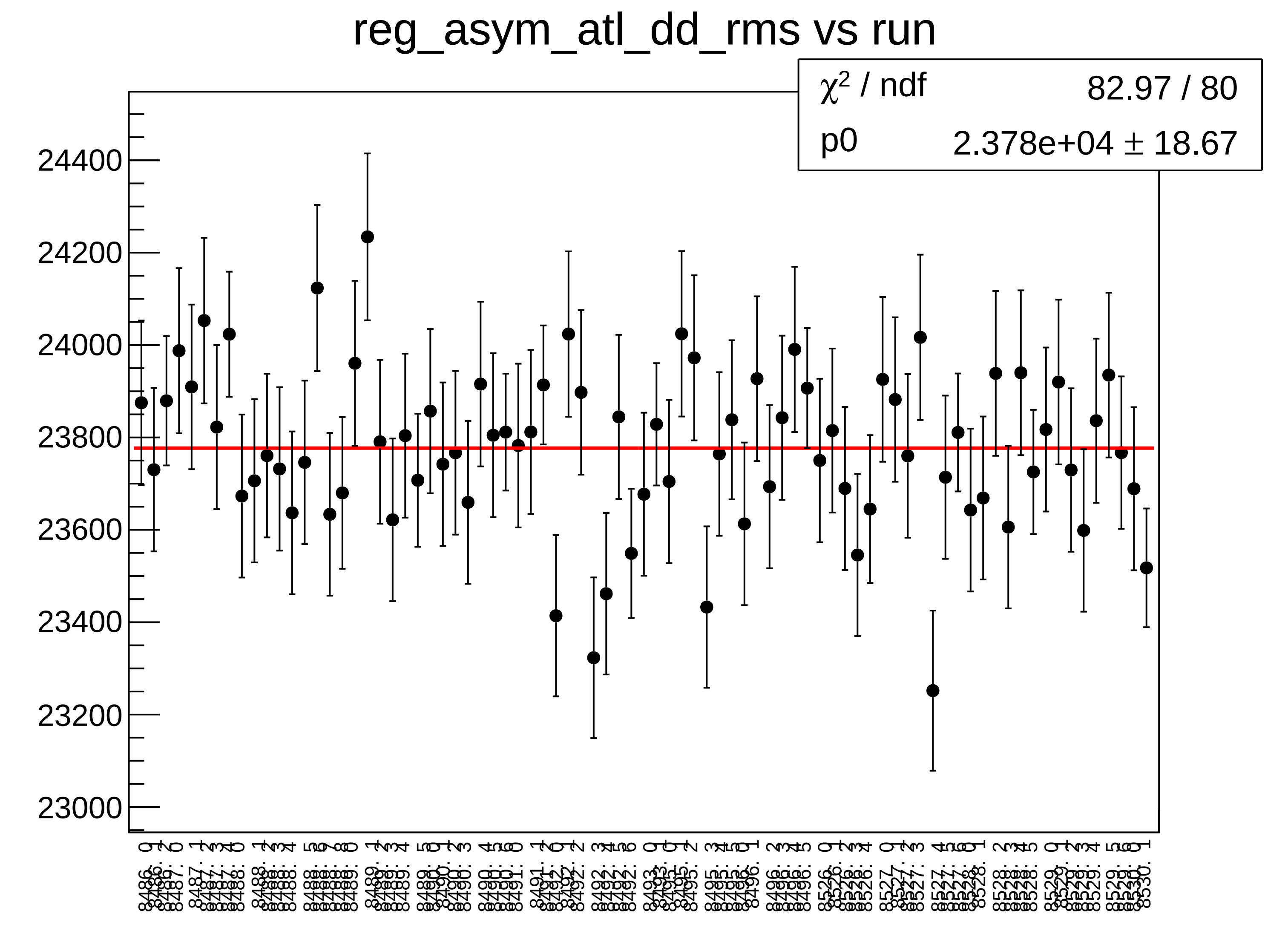
asym_atl_avg_mean vs run
×10^3
χ2 / ndf 59.78 / 80
p0 −2.326e+04 ± 2.641e+04
800
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 81
Mean −589.7
Std Dev 630.3



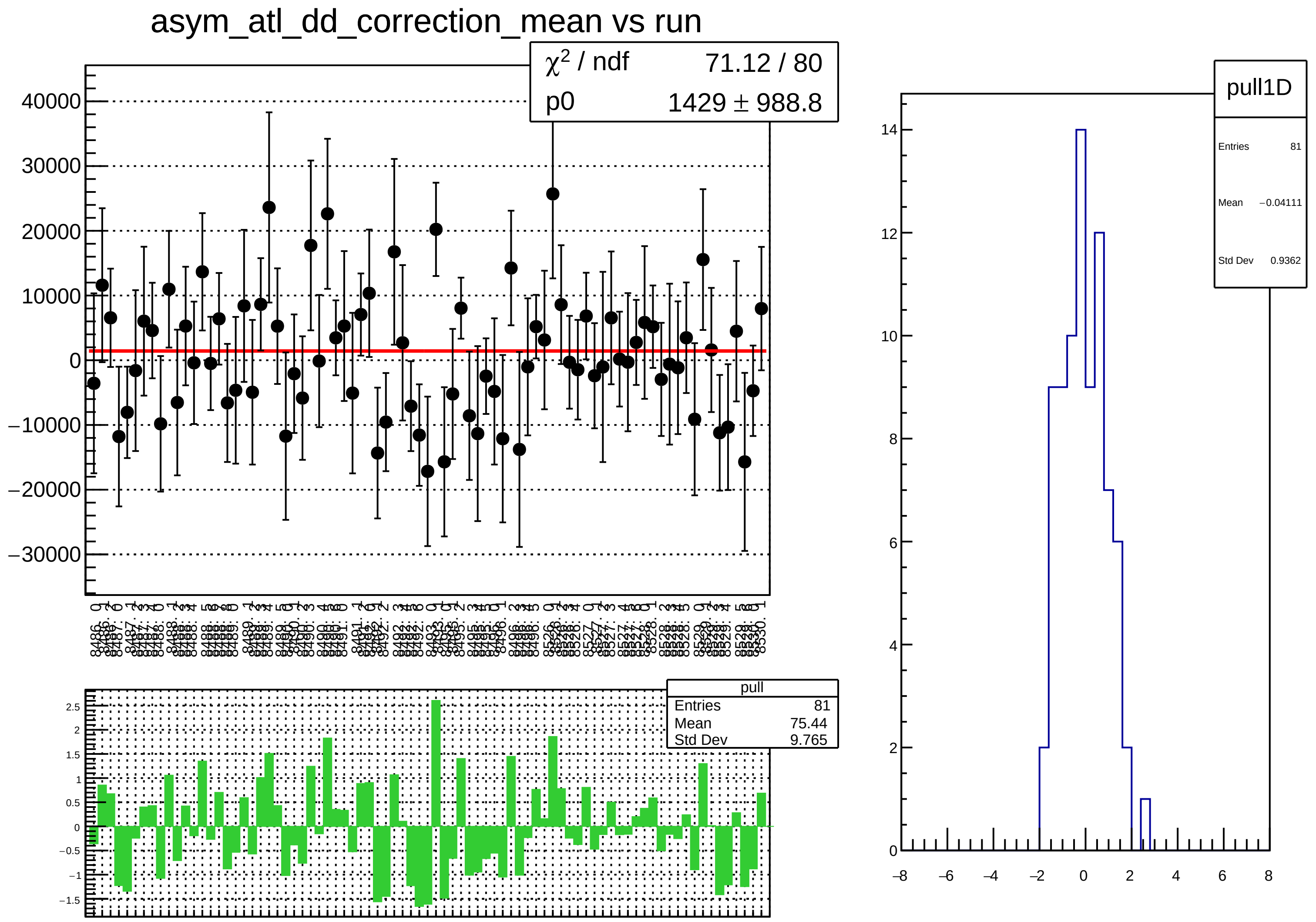
pull1D
Entries 81
Mean 0.009224
Std Dev 0.859


asym_atl_avg_rms vs run
χ^2 / ndf 84.12 / 80
p0 2.379e+04 ± 18.68
24400
24200
24000
23800
23600
23400
23200
23000

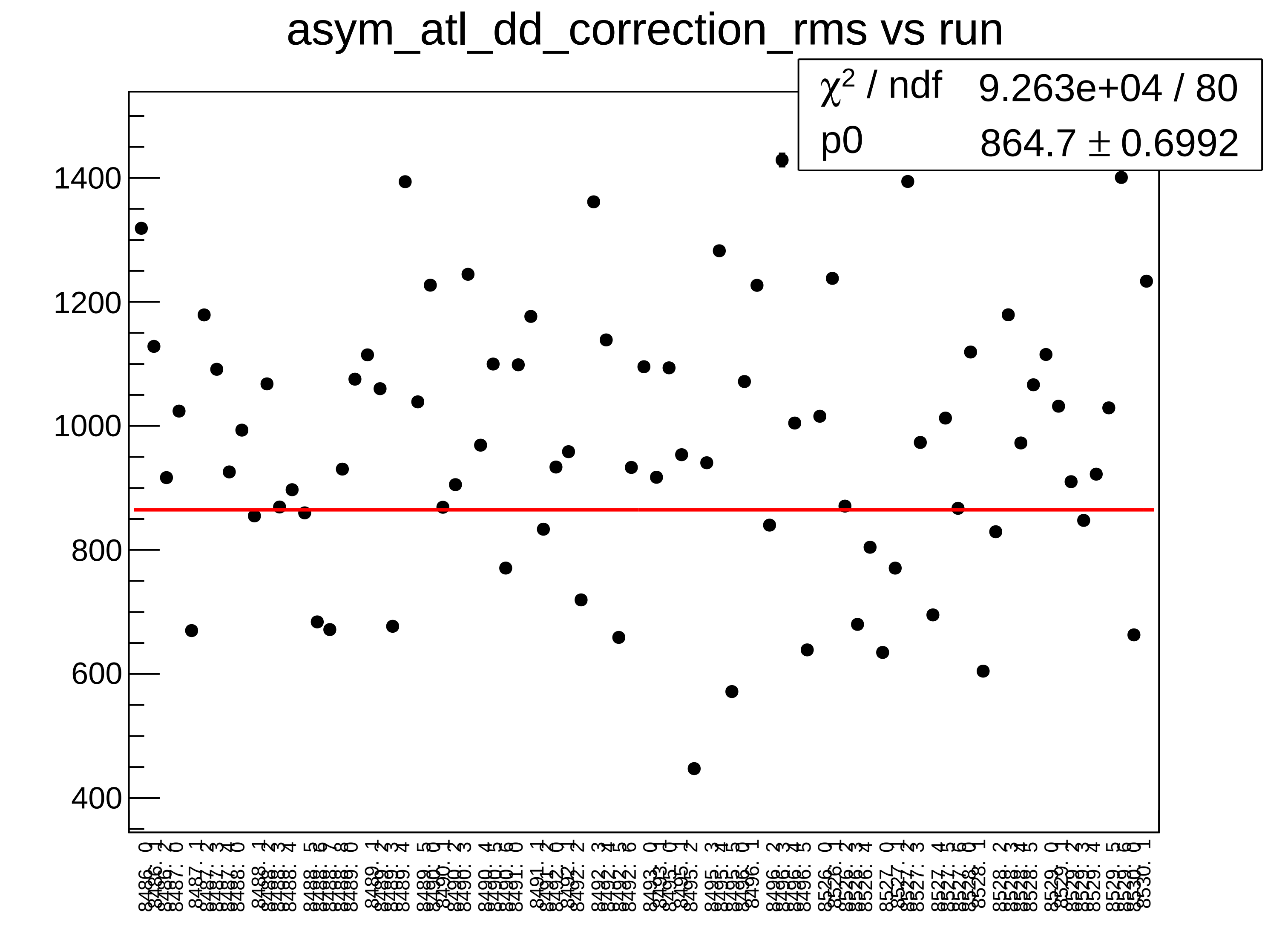

reg_asym_atl_dd_mean vs run
χ^2 / ndf 60.66 / 80
p0 2.106e+04 ± 2.64e+04
pull
Entries 81
Mean −593.4
Std Dev 632.8
pull1D
Entries 81
Mean −0.008781
Std Dev 0.8654



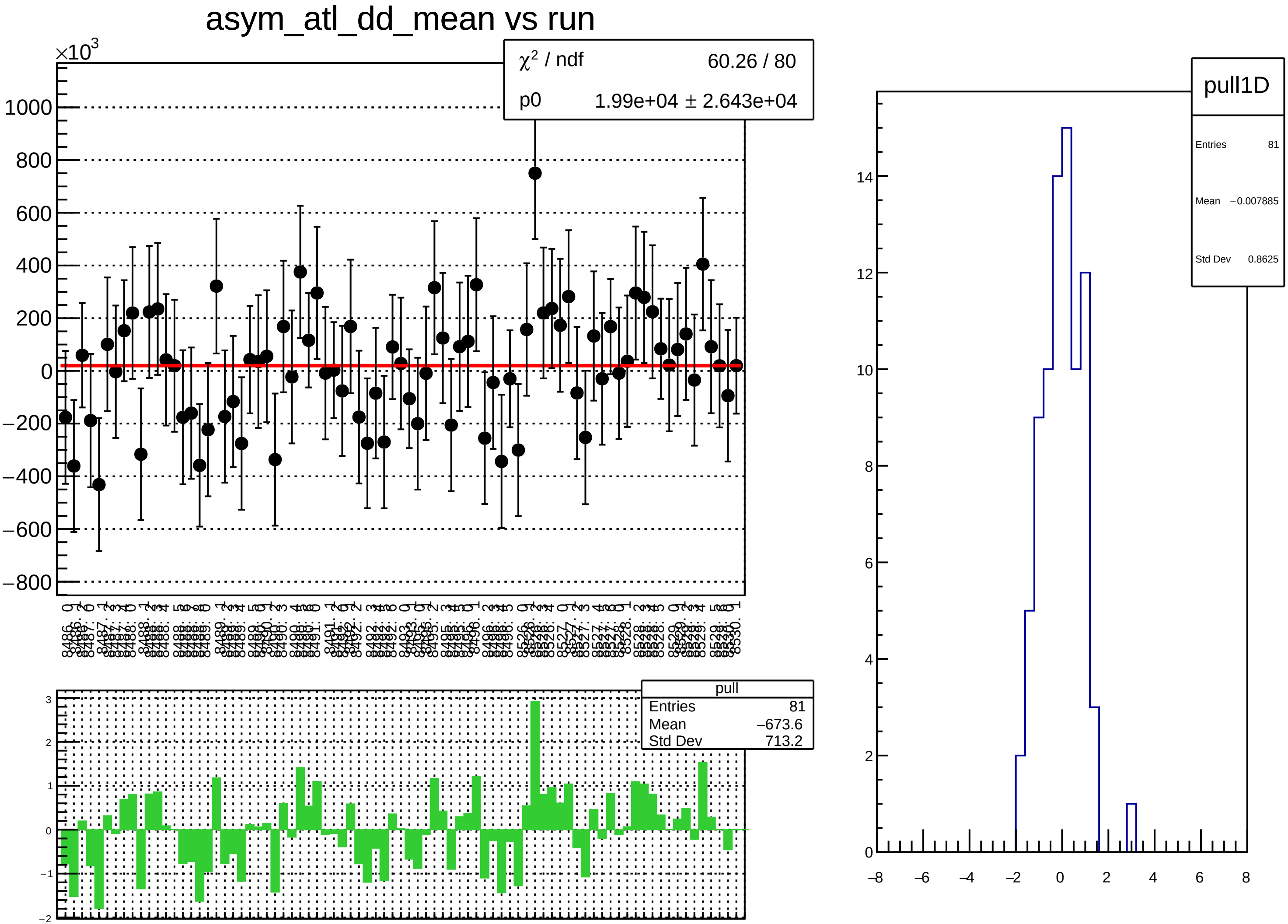
reg_asym_atl_dd_rms vs run
χ2 / ndf 82.97 / 80
p0 2.378e+04 ± 18.67
24400
24200
24000
23800
23600
23400
23200
23000

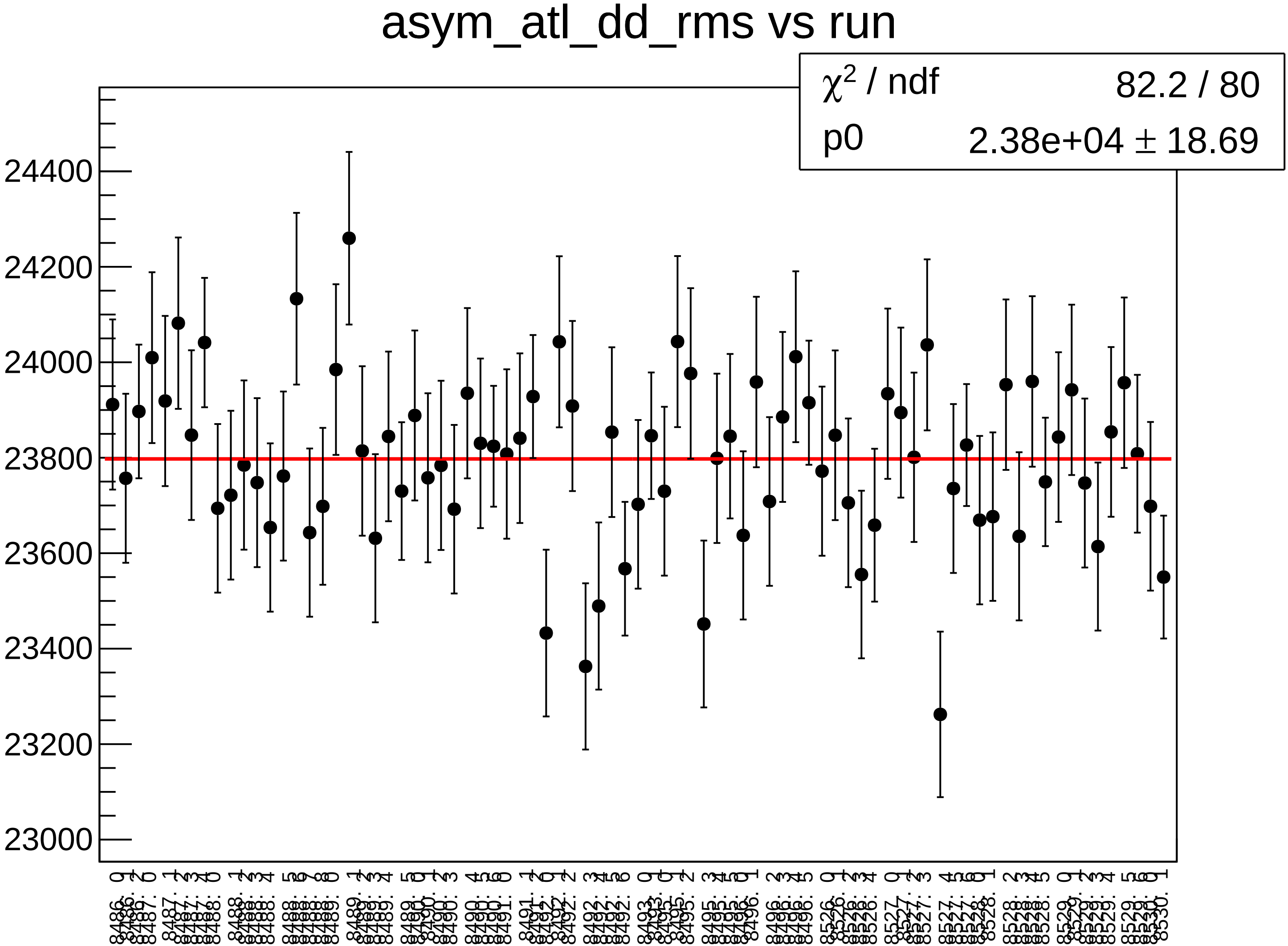


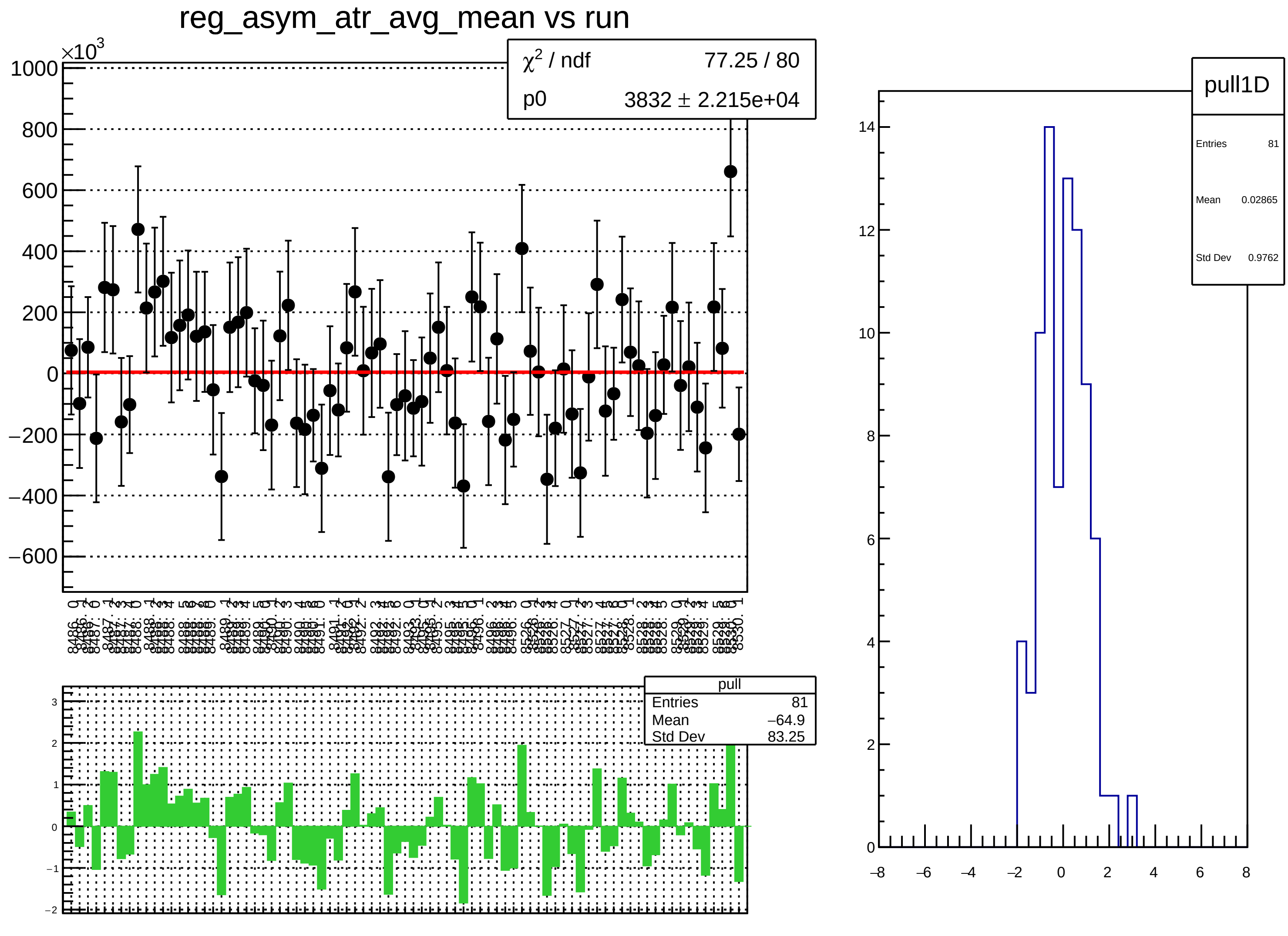
asym_atl_dd_correction_mean vs run
χ^2 / ndf 71.12 / 80
p0 1429 ± 988.8
pull
Entries 81
Mean 75.44
Std Dev 9.765
pull1D
Entries 81
Mean −0.04111
Std Dev 0.9362

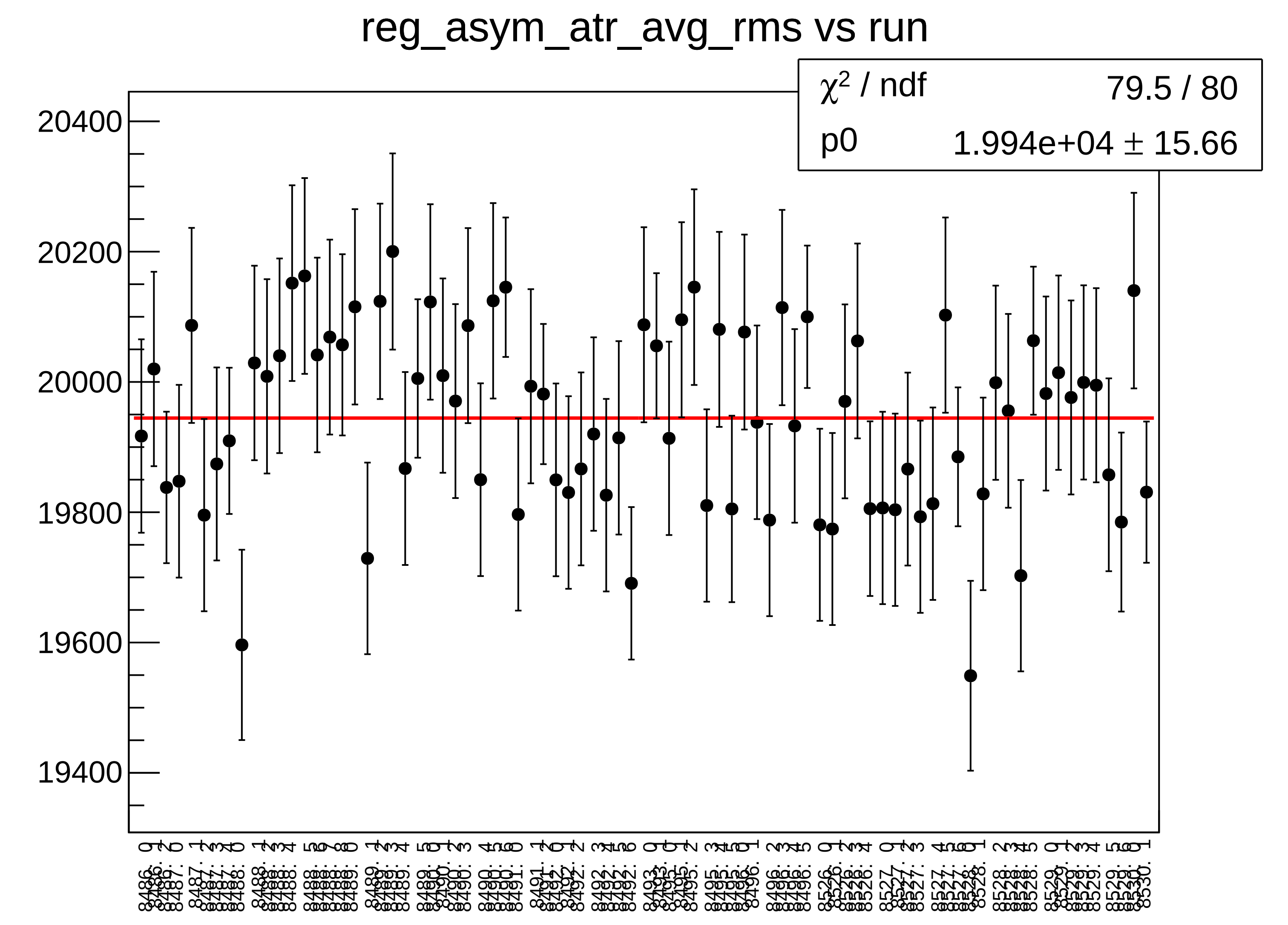


asym_atl_dd_correction_rms vs run
χ2 / ndf 9.263e+04 / 80
p0 864.7 ± 0.6992
1400
1200
1000
800
600
400

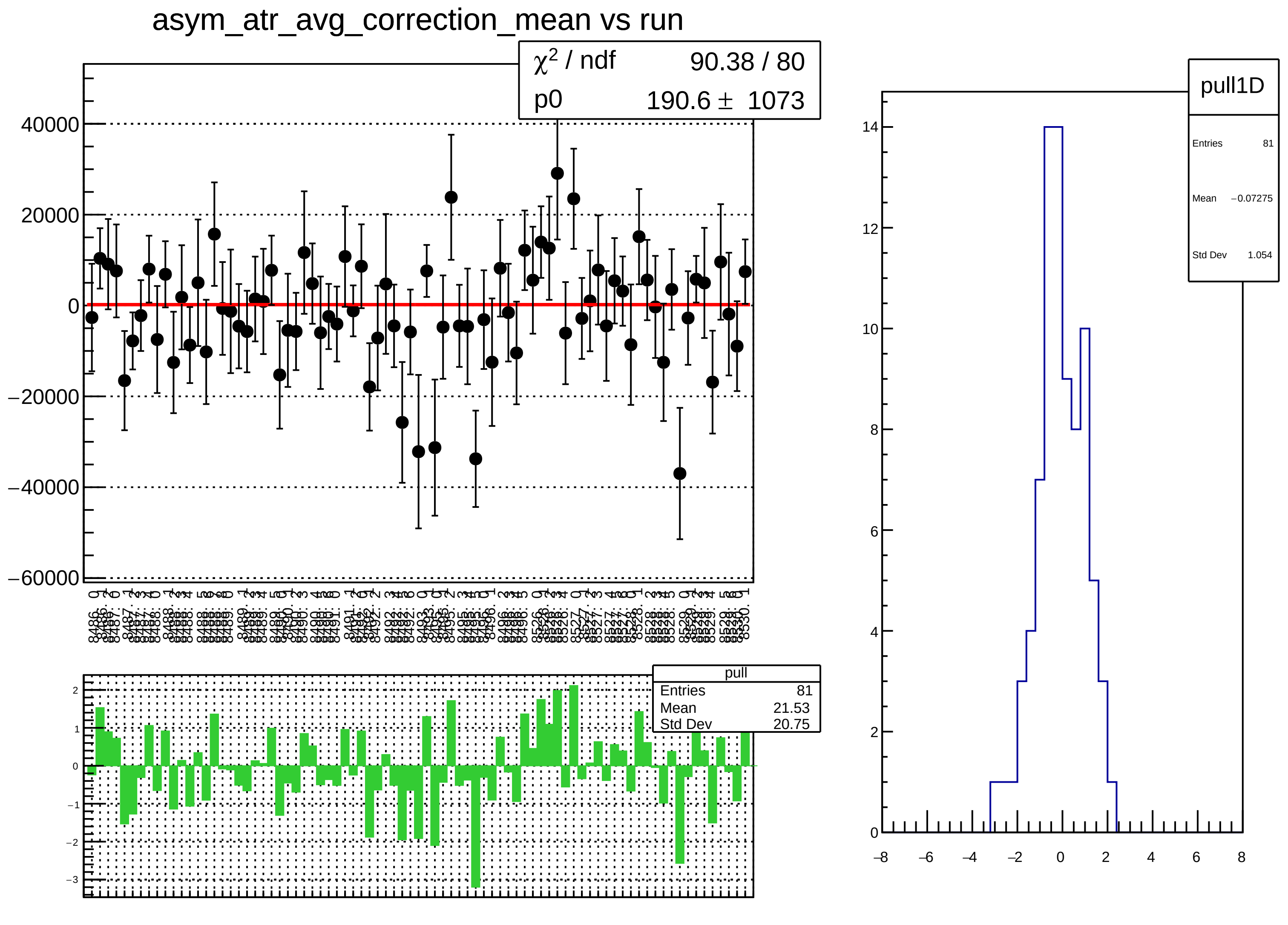

asym_atl_dd_mean vs run
×10^3
χ2 / ndf 60.26 / 80
p0 1.99e+04 ± 2.643e+04
pull
Entries 81
Mean −673.6
Std Dev 713.2
pull1D
Entries 81
Mean −0.007885
Std Dev 0.8625


asym_atl_dd_rms vs run
χ2 / ndf 82.2 / 80
p0 2.38e+04 ± 18.69
24400
24200
24000
23800
23600
23400
23200
23000

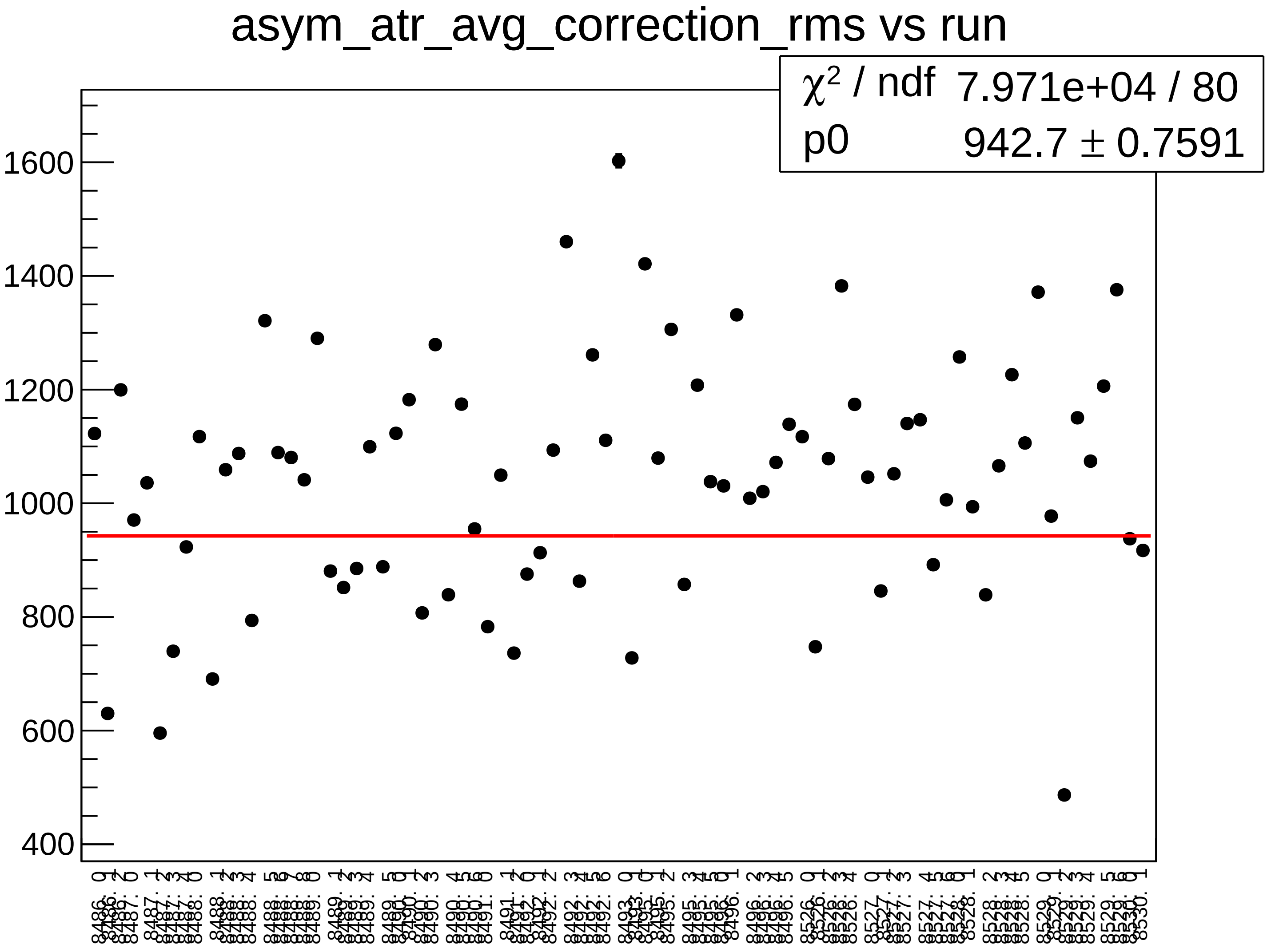

reg_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 77.25 / 80
p0 3832 ± 2.215e+04
pull
Entries 81
Mean −64.9
Std Dev 83.25
pull1D
Entries 81
Mean 0.02865
Std Dev 0.9762



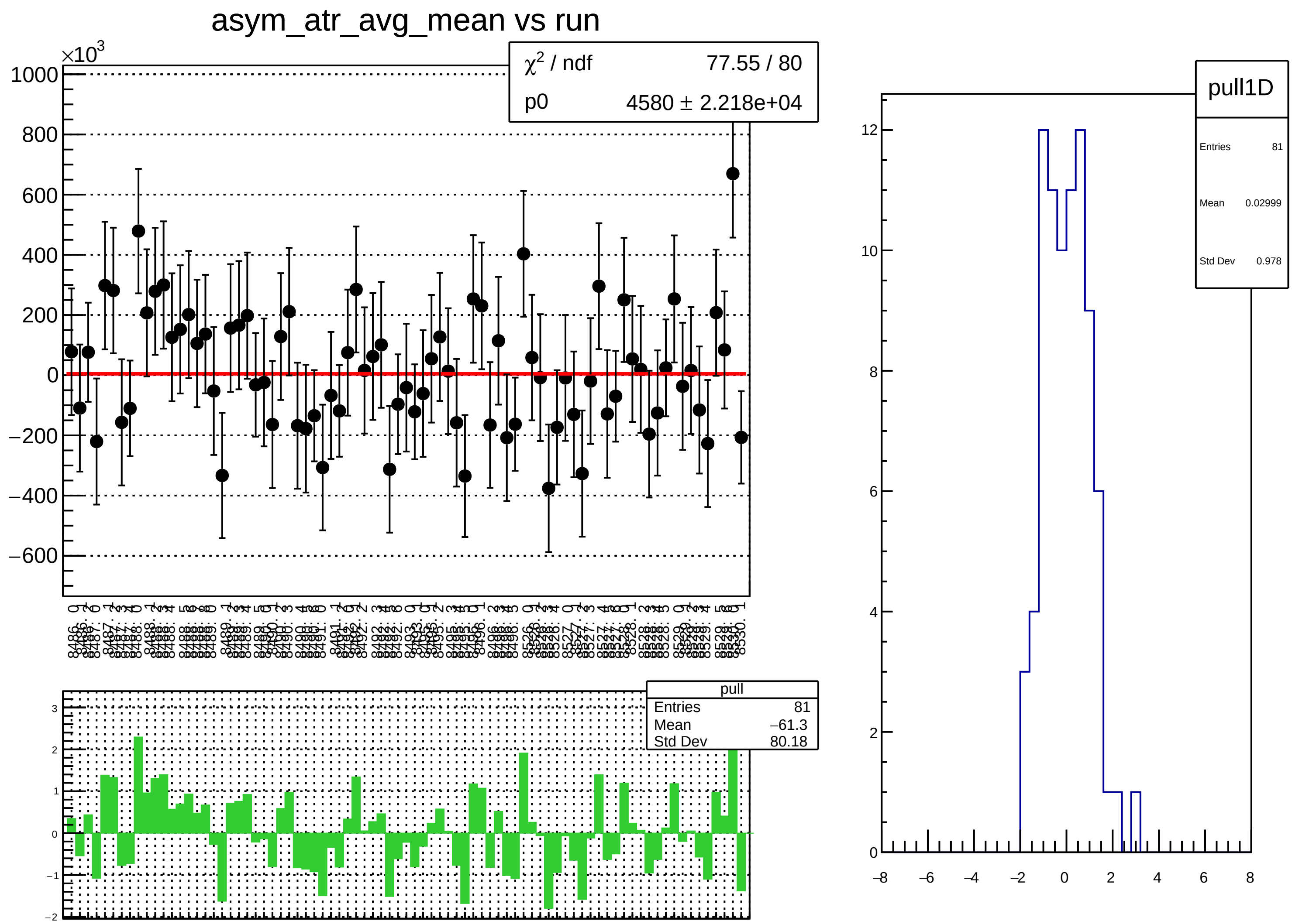
reg_asym_atr_avg_rms vs run
χ^2 / ndf 79.5 / 80
p0 1.994e+04 ± 15.66
20400
20200
20000
19800
19600
19400



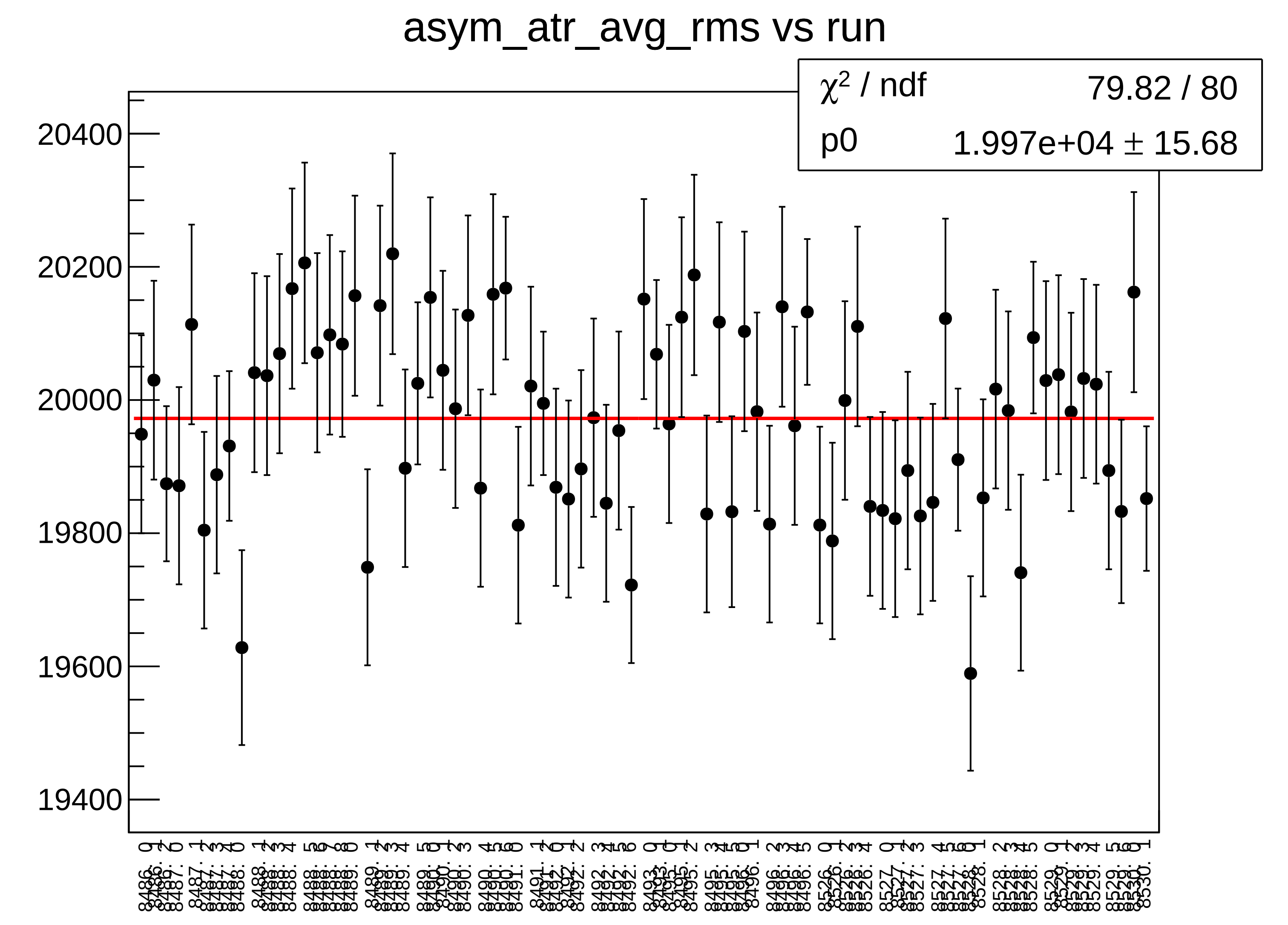
asym_atr_avg_correction_mean vs run
χ^2 / ndf 90.38 / 80
p0 190.6 ± 1073
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 21.53
Std Dev 20.75
pull1D
Entries 81
Mean −0.07275
Std Dev 1.054



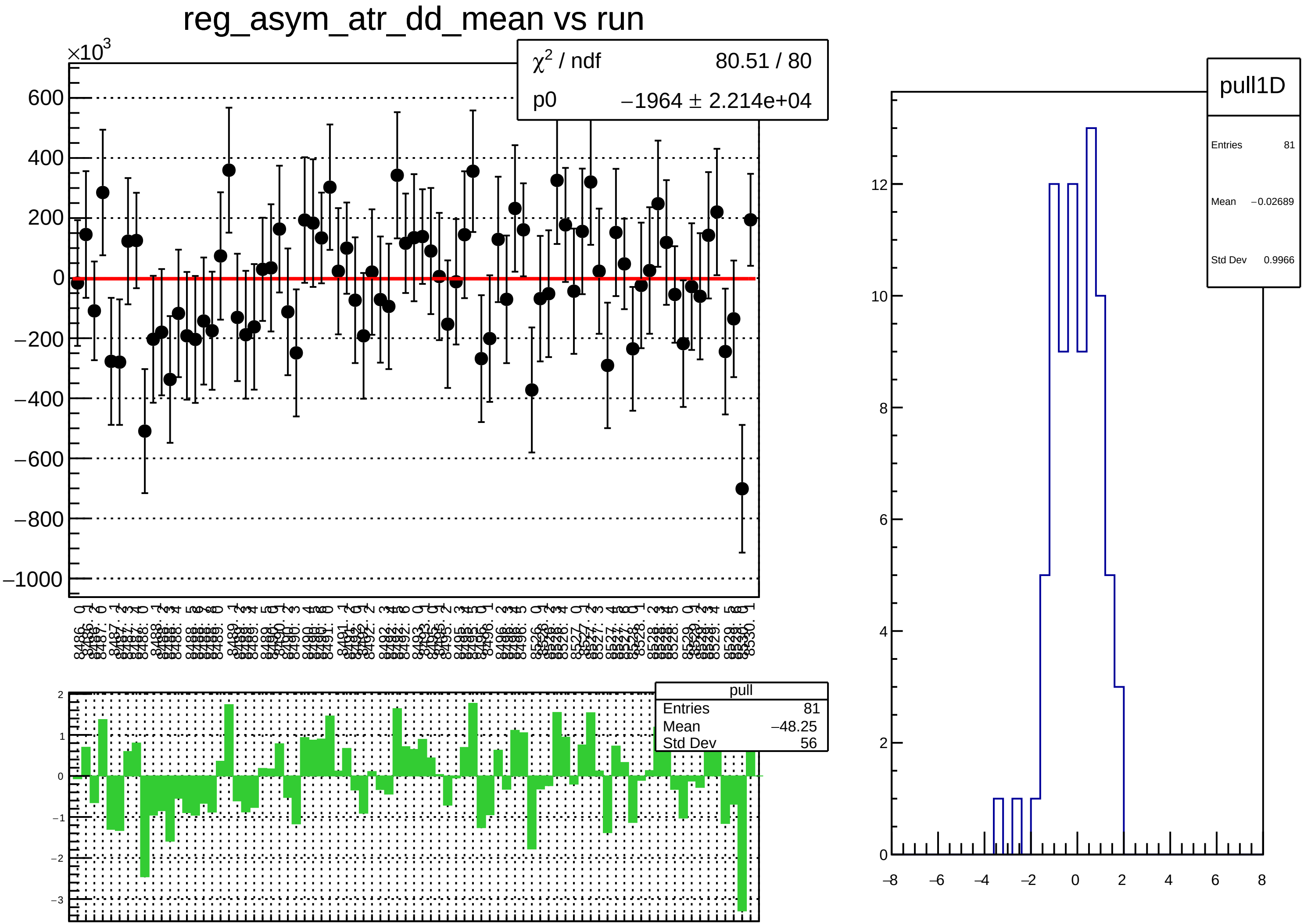
asym_atr_avg_correction_rms vs run
χ^2 / ndf 7.971e+04 / 80
p0 942.7 ± 0.7591
1600
1400
1200
1000
800
600
400



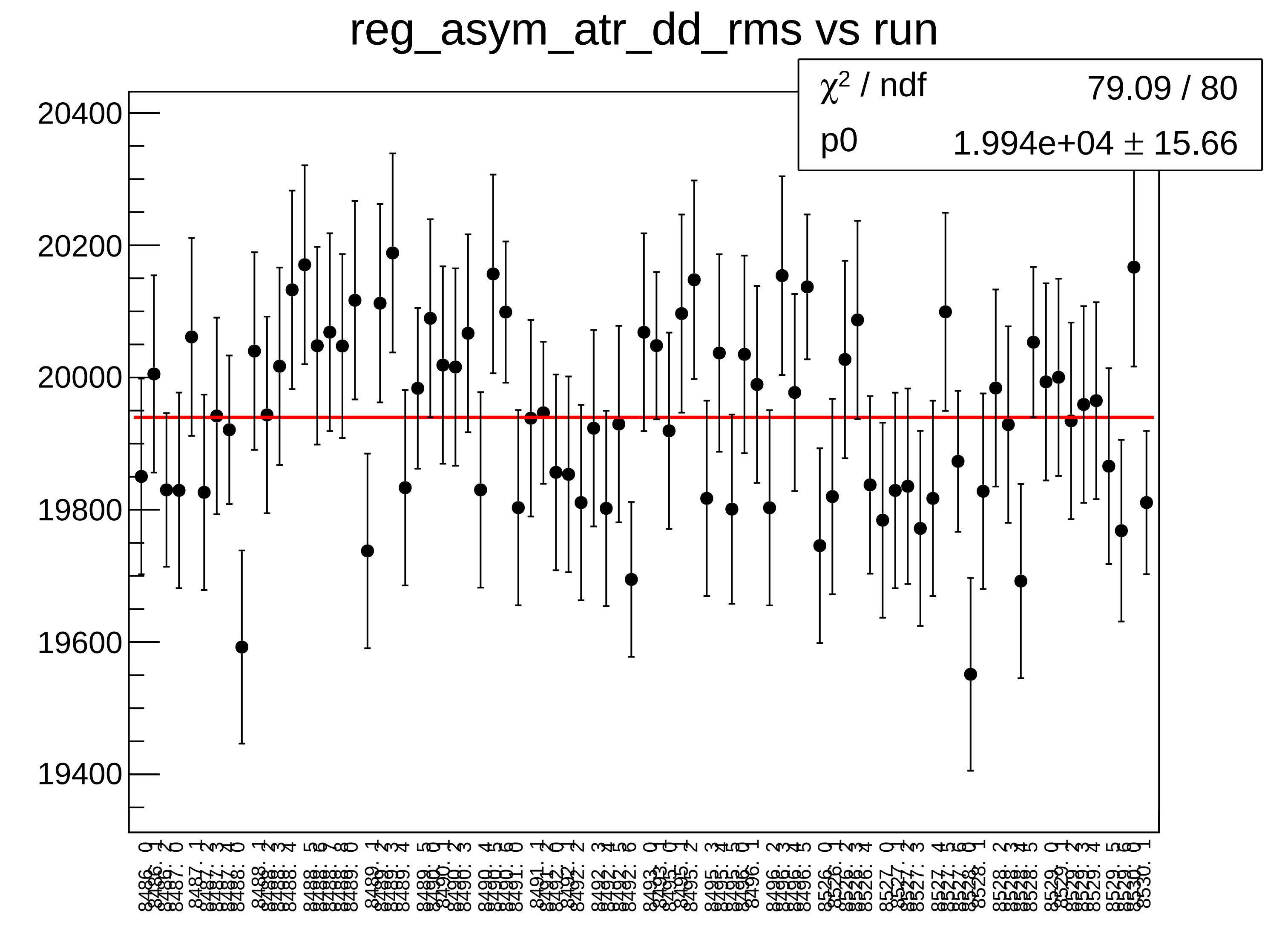
asym_atr_avg_mean vs run
$\times10^3$
χ^2 / ndf 77.55 / 80
p0 4580 ± 2.218e+04
pull
Entries 81
Mean −61.3
Std Dev 80.18
pull1D
Entries 81
Mean 0.02999
Std Dev 0.978



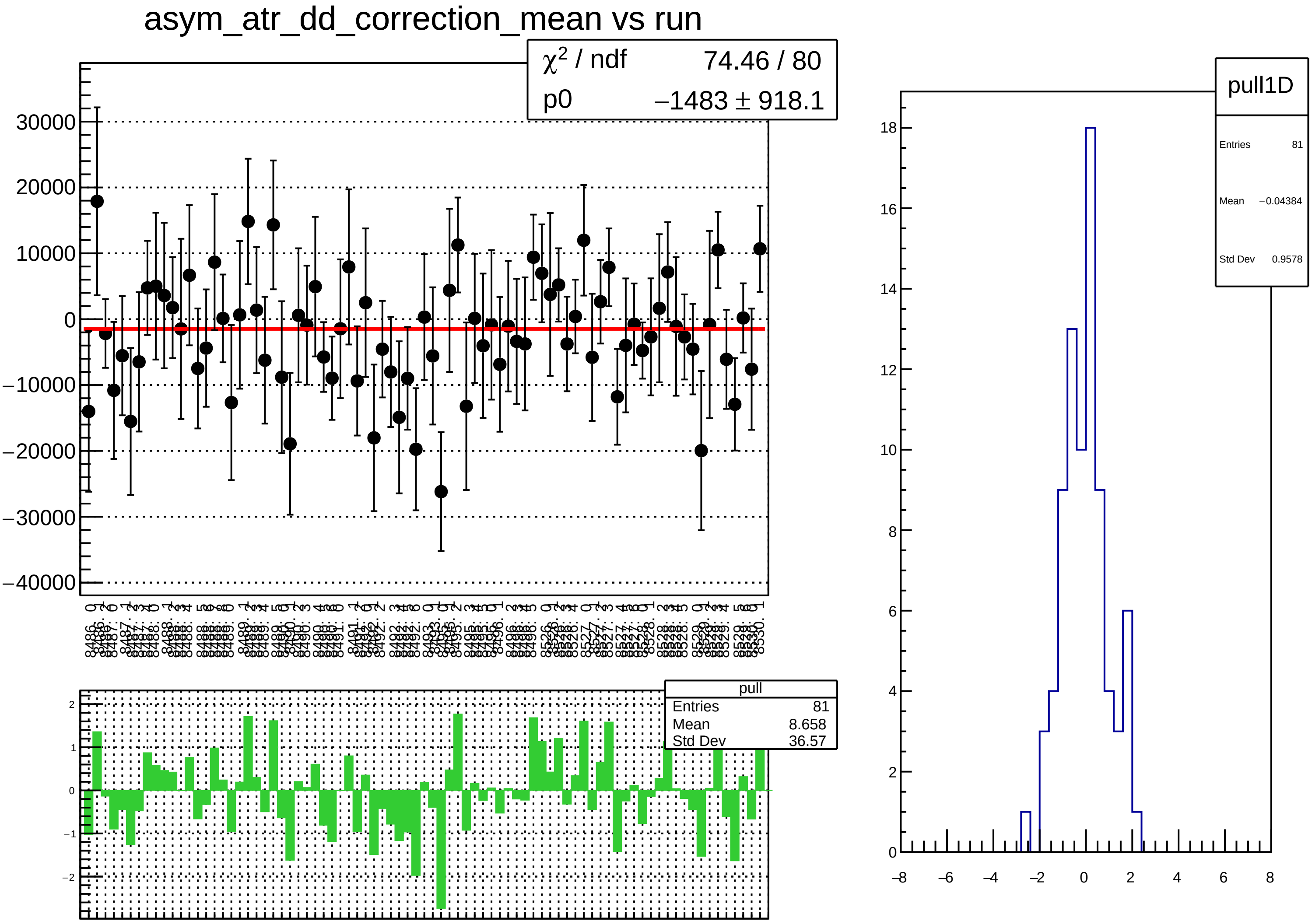
asym_atr_avg_rms vs run
χ^2 / ndf 79.82 / 80
p0 1.997e+04 ± 15.68
20400
20200
20000
19800
19600
19400

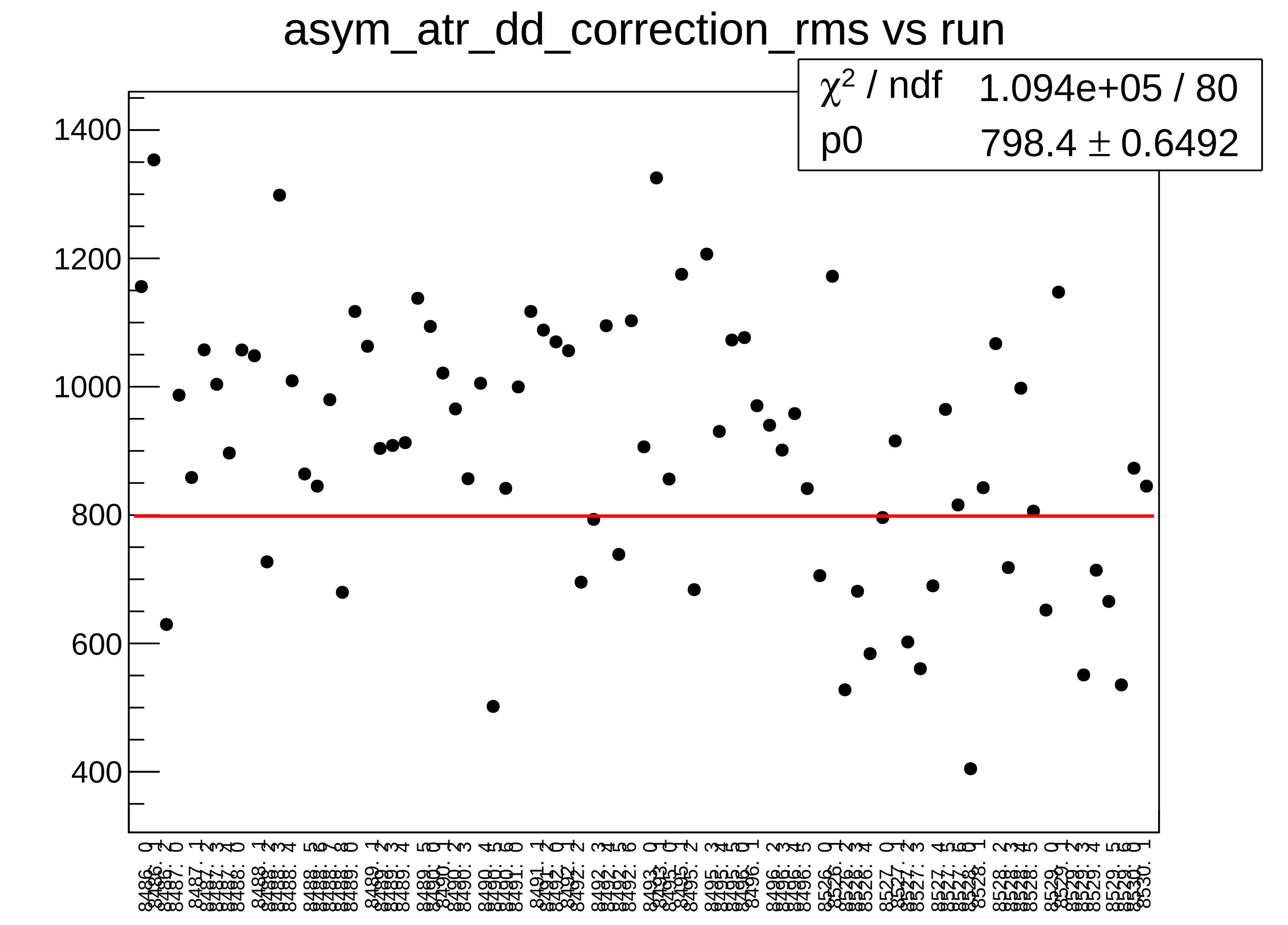


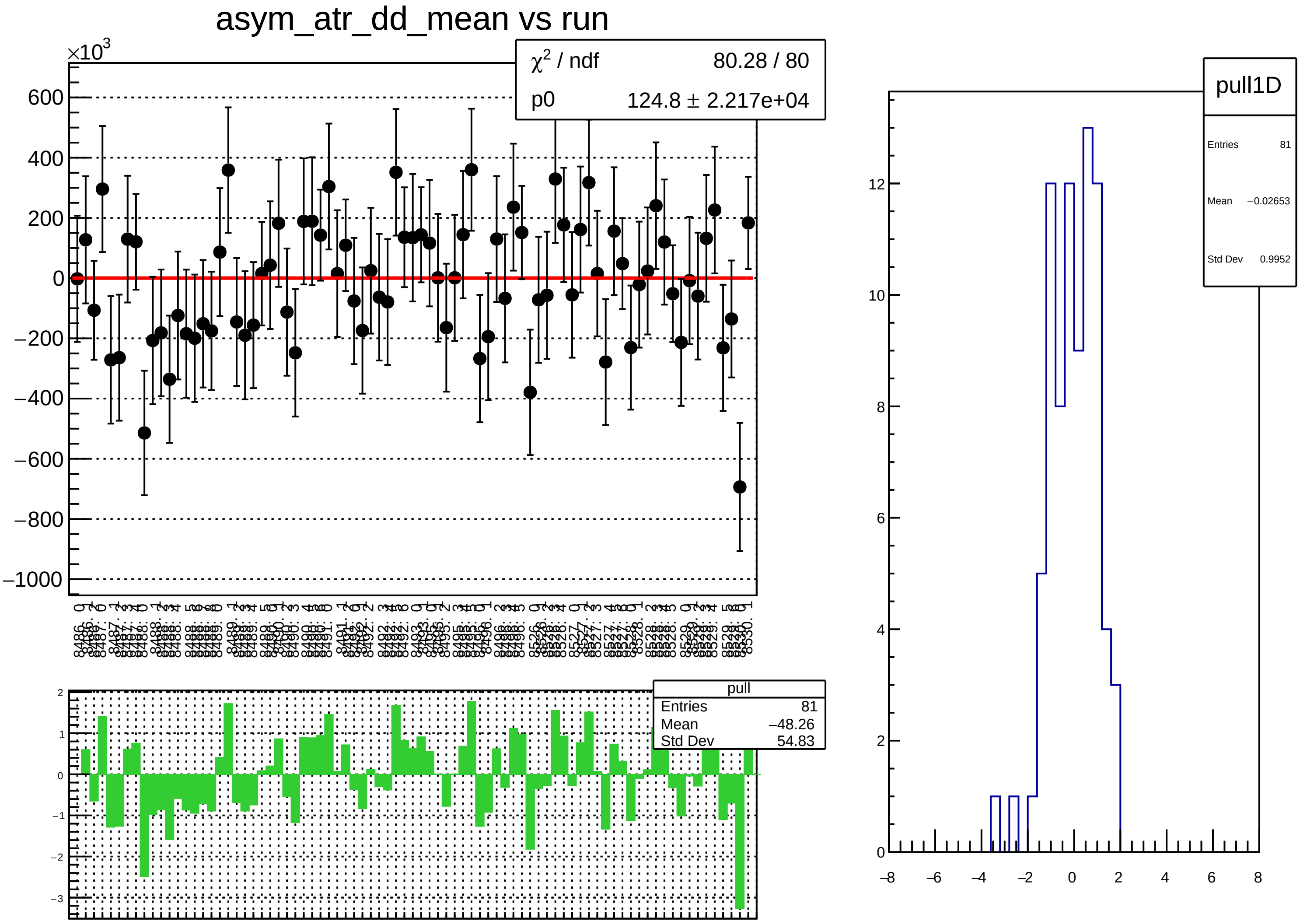
reg_asym_atr_dd_mean vs run
$\times10^3$
χ^2 / ndf 80.51 / 80
p0 −1964 ± 2.214e+04
pull
Entries 81
Mean −48.25
Std Dev 56
pull1D
Entries 81
Mean −0.02689
Std Dev 0.9966

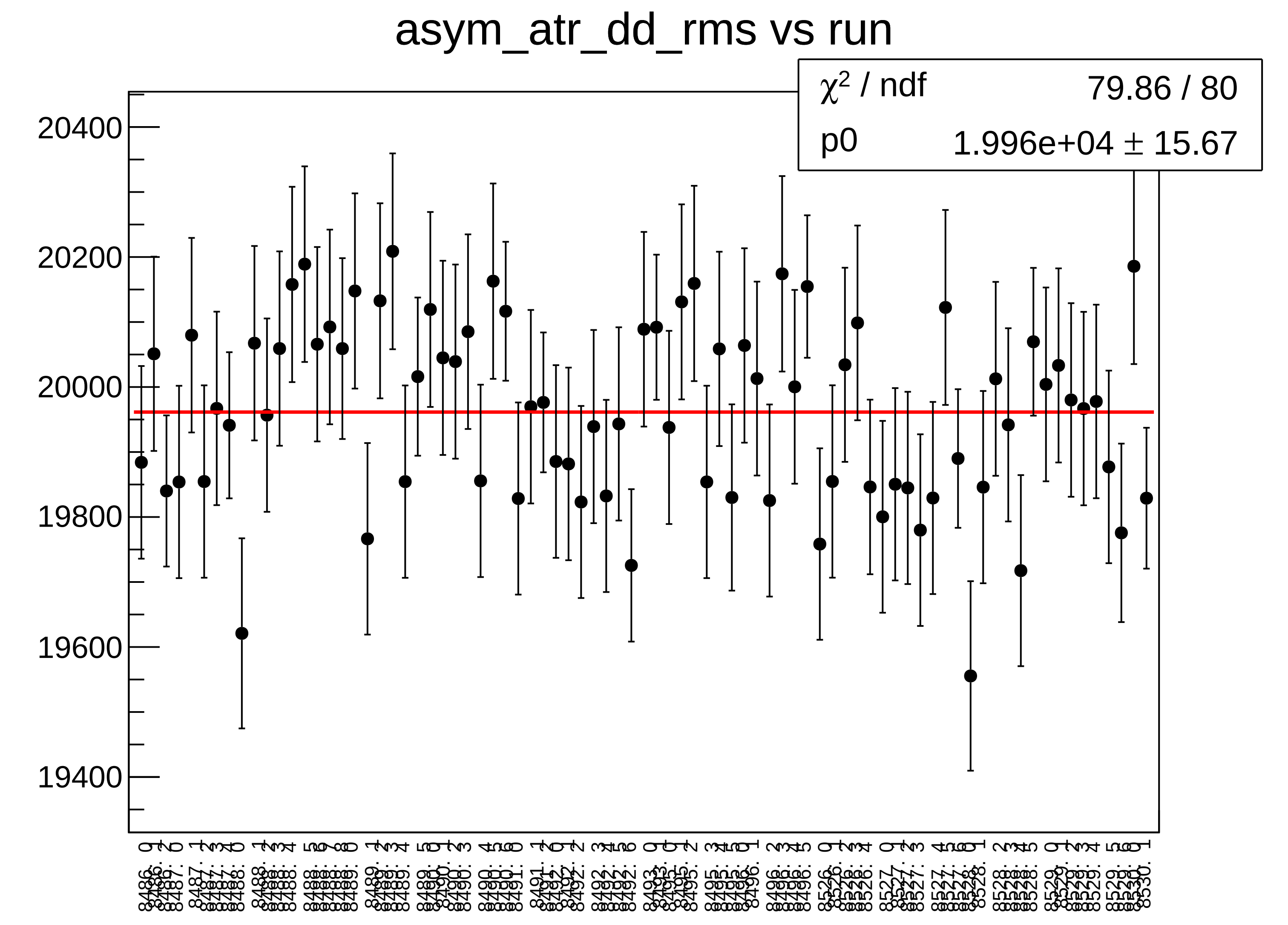


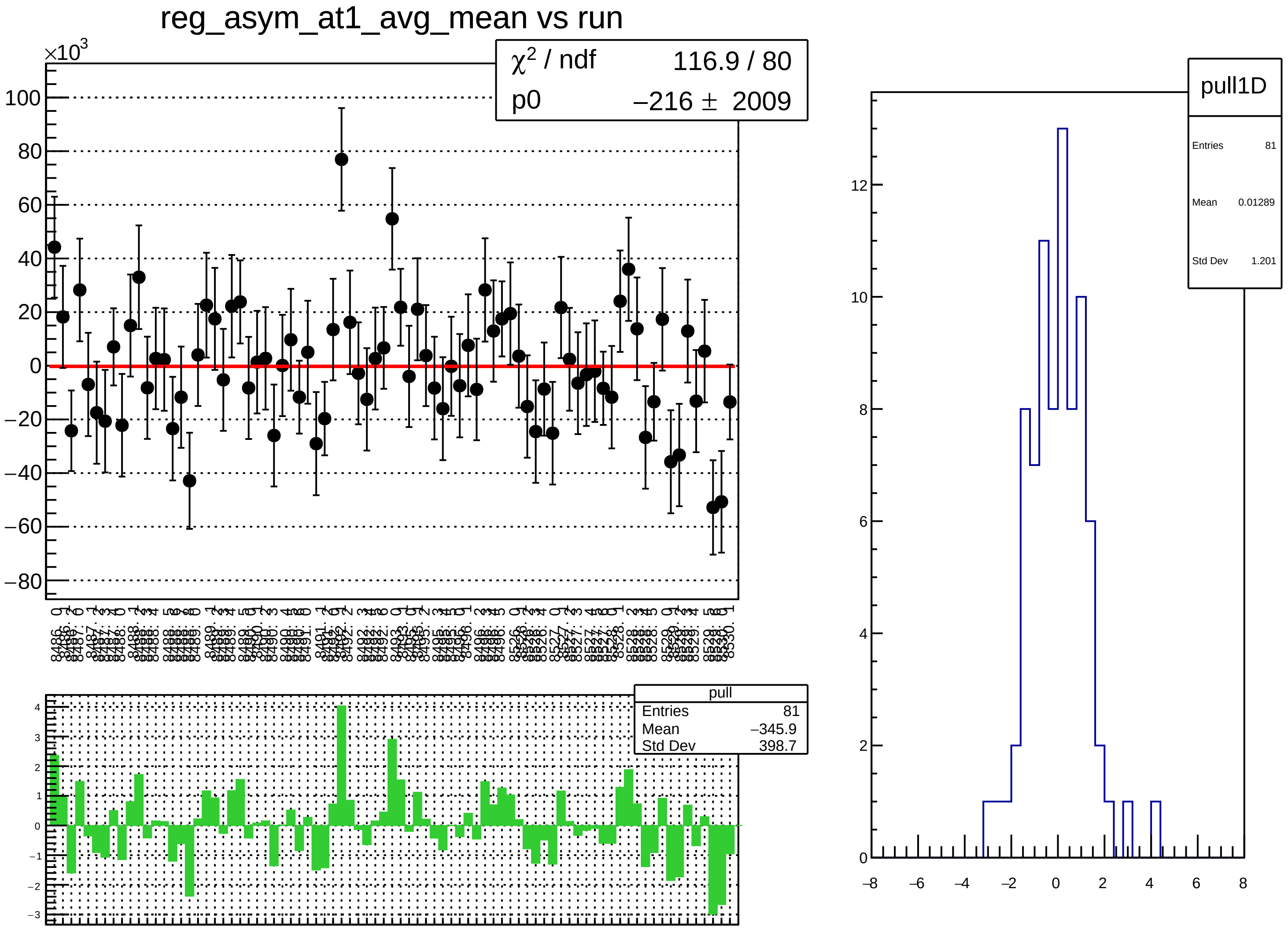
reg_asym_atr_dd_rms vs run
χ^2 / ndf 79.09 / 80
p0 1.994e+04 ± 15.66
20400
20200
20000
19800
19600
19400


asym_atr_dd_correction_mean vs run
χ^2 / ndf 74.46 / 80
p0 −1483 ± 918.1
pull
Entries 81
Mean 8.658
Std Dev 36.57
pull1D
Entries 81
Mean −0.04384
Std Dev 0.9578

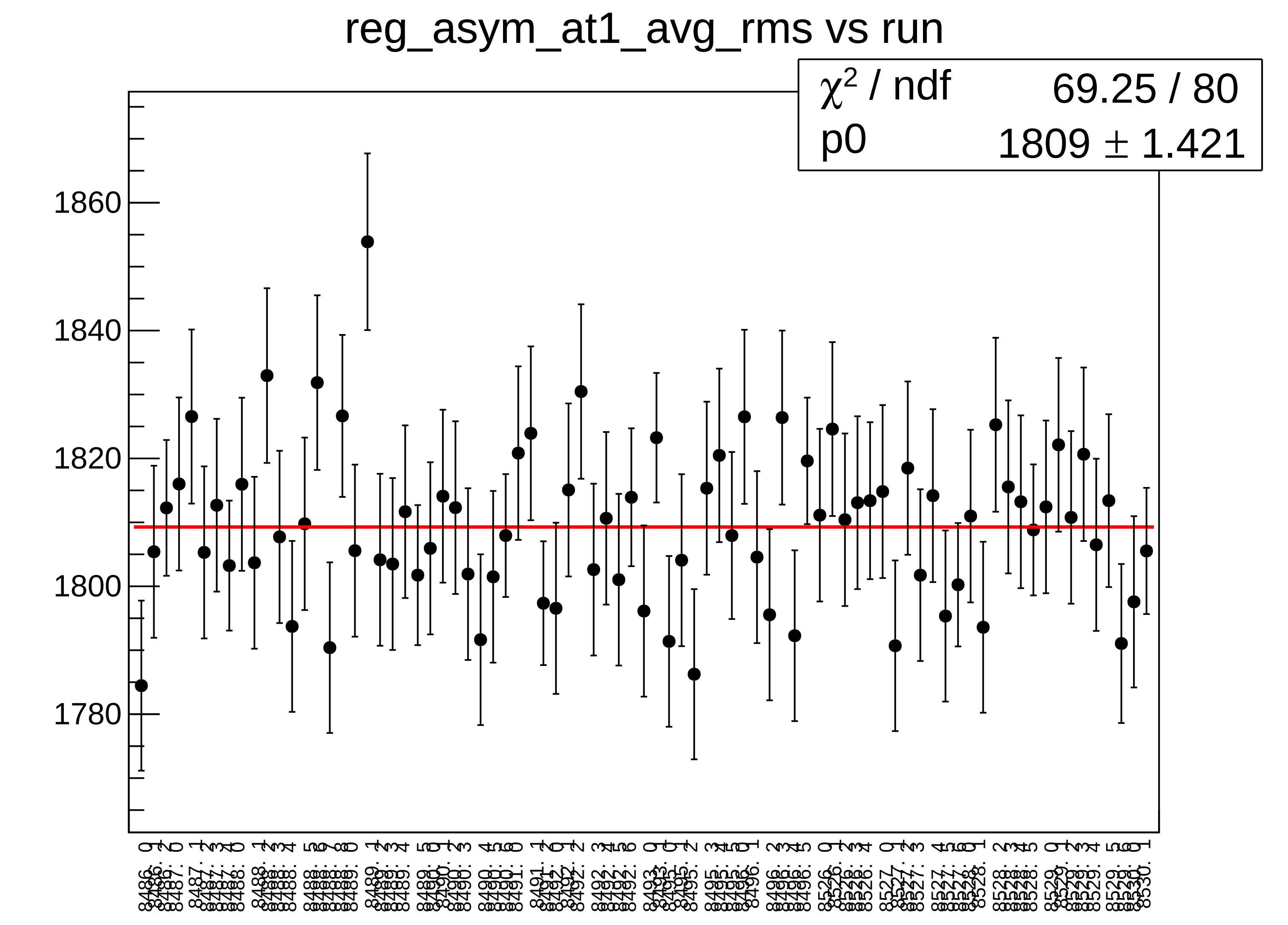

asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.094e+05 / 80
p0 798.4 ± 0.6492
1400
1200
1000
800
600
400


asym_atr_dd_mean vs run
×10^3
χ2 / ndf 80.28 / 80
p0 124.8 ± 2.217e+04
pull
Entries 81
Mean −48.26
Std Dev 54.83
pull1D
Entries 81
Mean −0.02653
Std Dev 0.9952

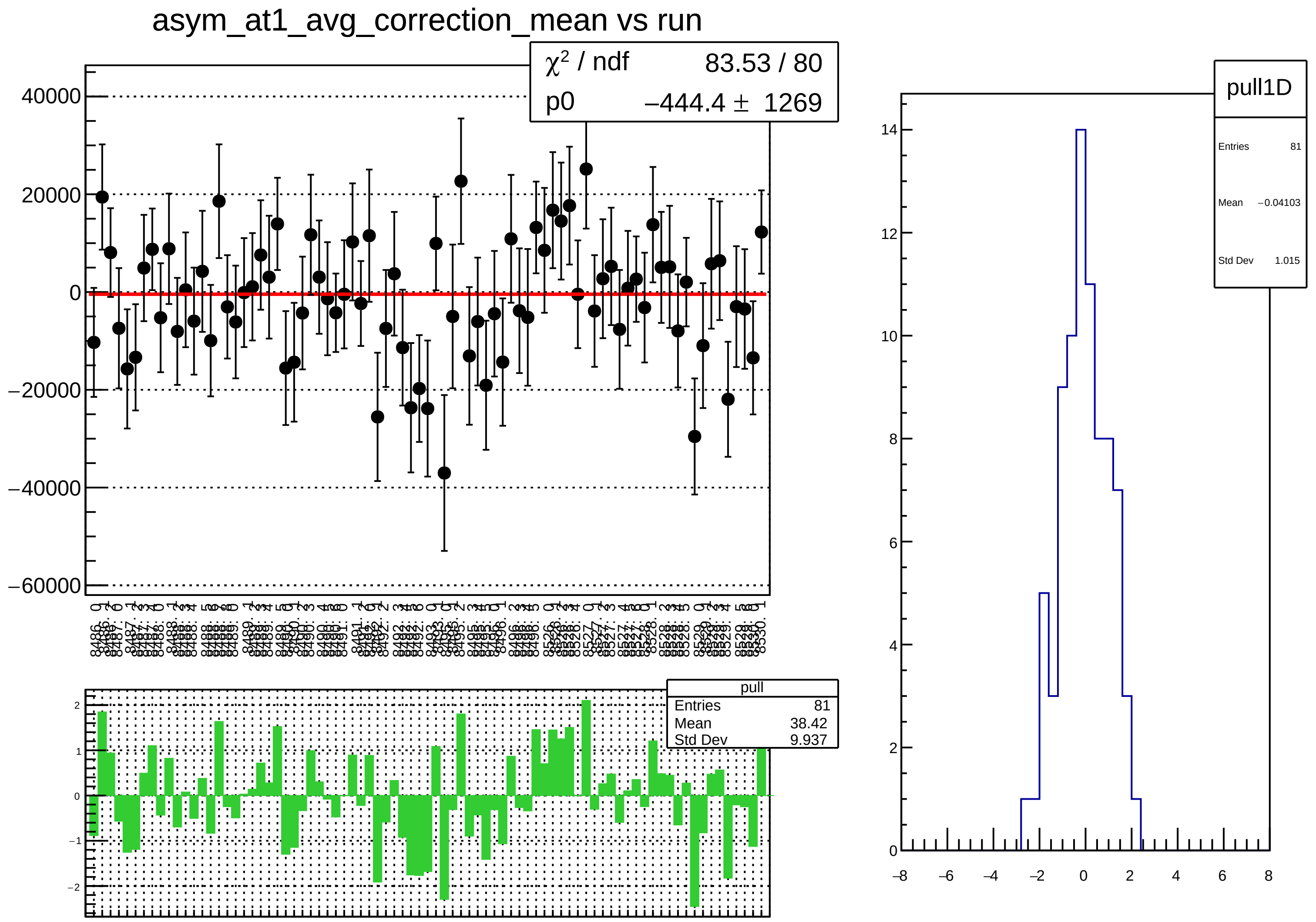

asym_atr_dd_rms vs run
χ2 / ndf 79.86 / 80
p0 1.996e+04 ± 15.67
20400
20200
20000
19800
19600
19400



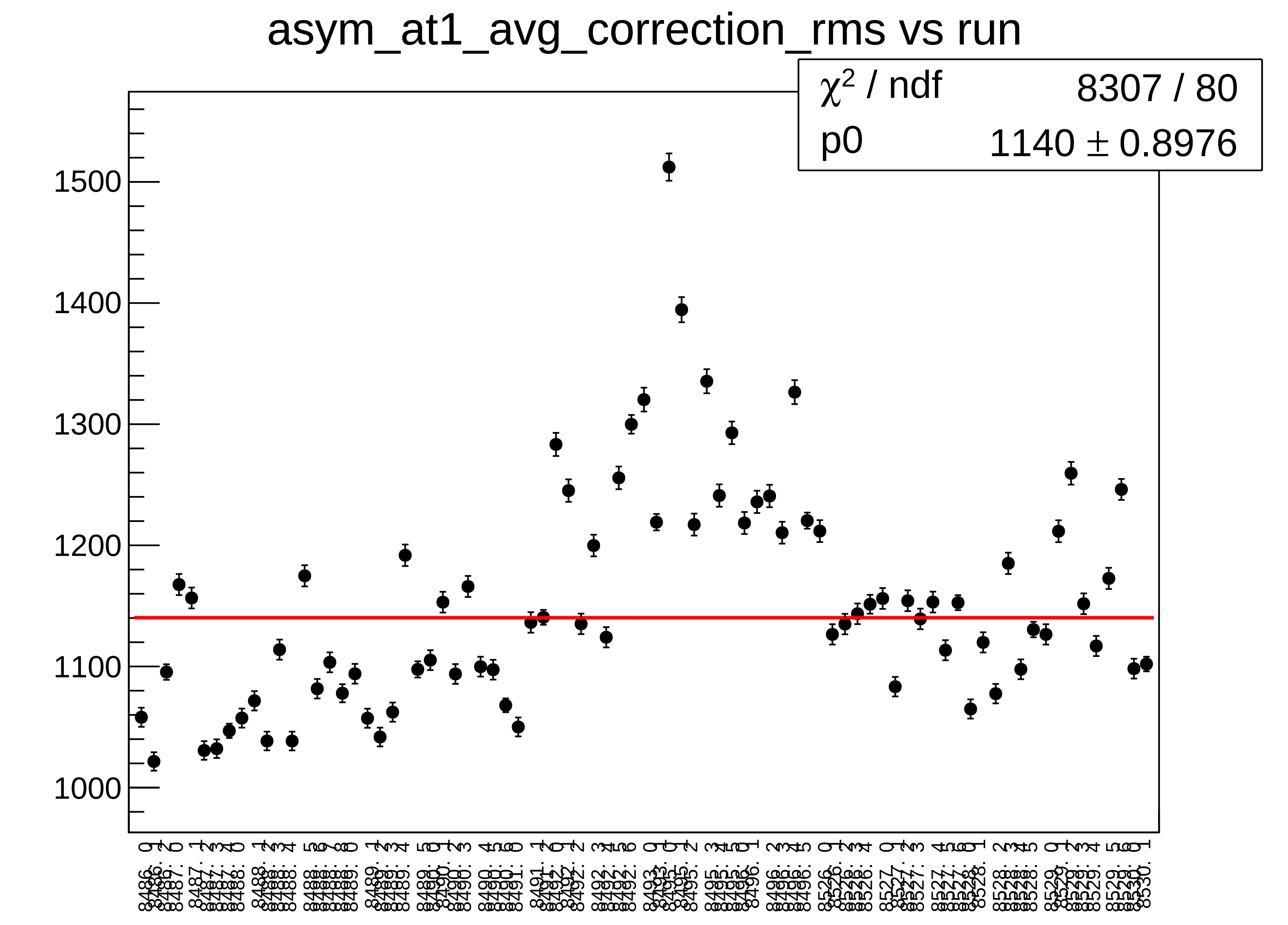
reg_asym_at1_avg_mean vs run
$\times10^3$
χ^2 / ndf 116.9 / 80
p0 −216 ± 2009
pull
Entries 81
Mean −345.9
Std Dev 398.7
pull1D
Entries 81
Mean 0.01289
Std Dev 1.201



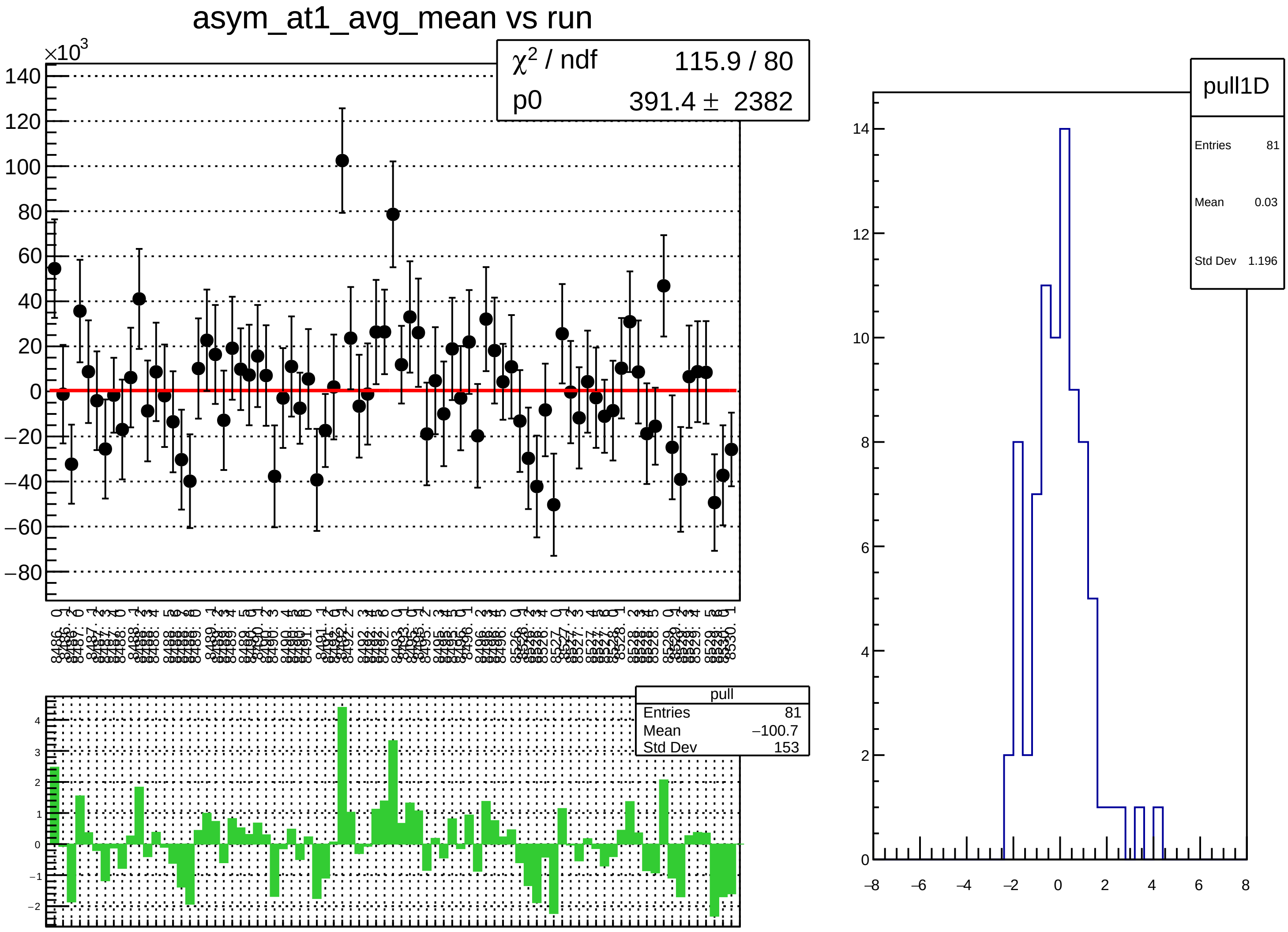
reg_asym_at1_avg_rms vs run
χ^2 / ndf 69.25 / 80
p0 1809 ± 1.421
1860
1840
1820
1800
1780

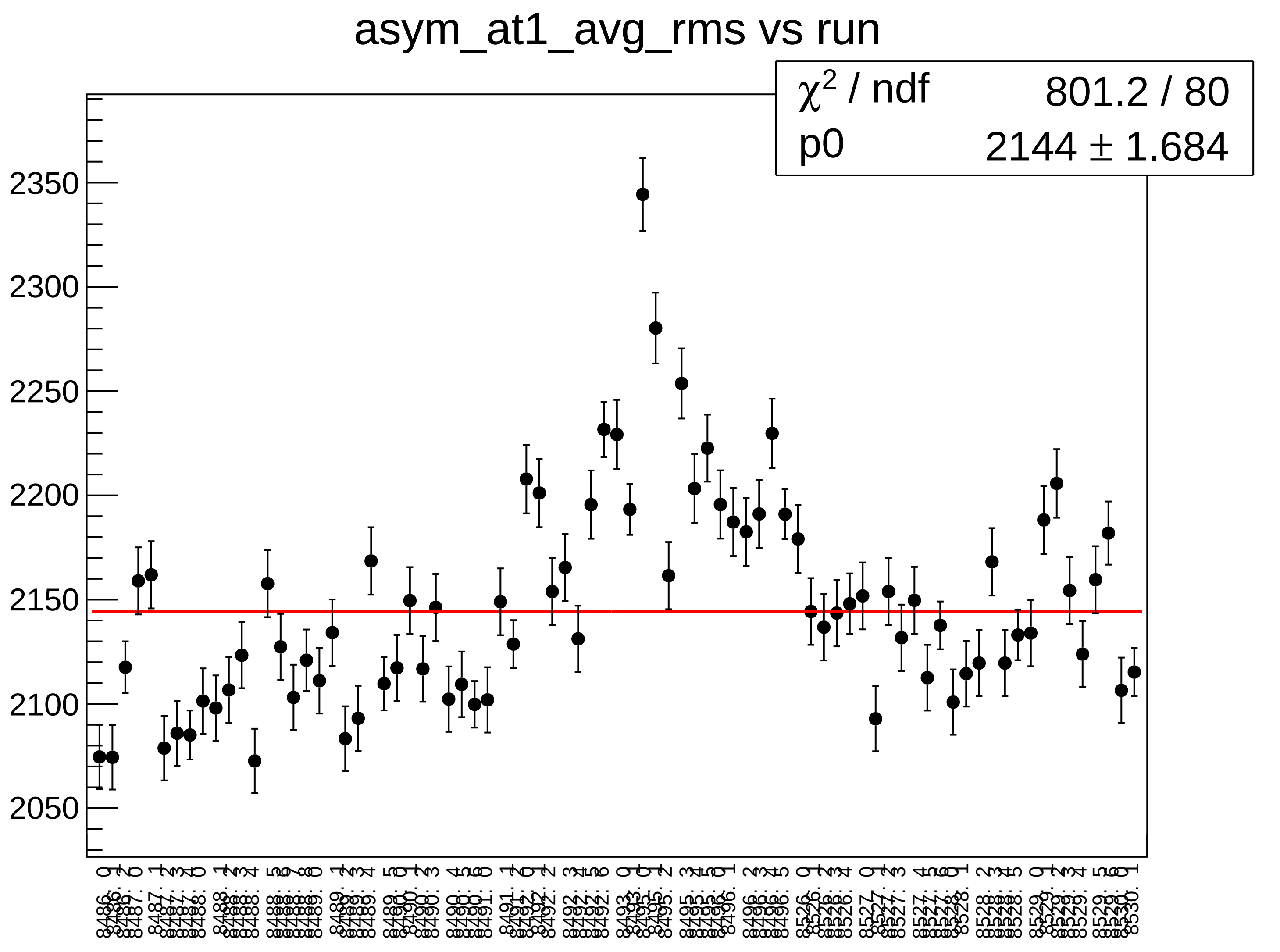


asym_at1_avg_correction_mean vs run
χ^2 / ndf 83.53 / 80
p0 −444.4 ± 1269
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 38.42
Std Dev 9.937
pull1D
Entries 81
Mean −0.04103
Std Dev 1.015

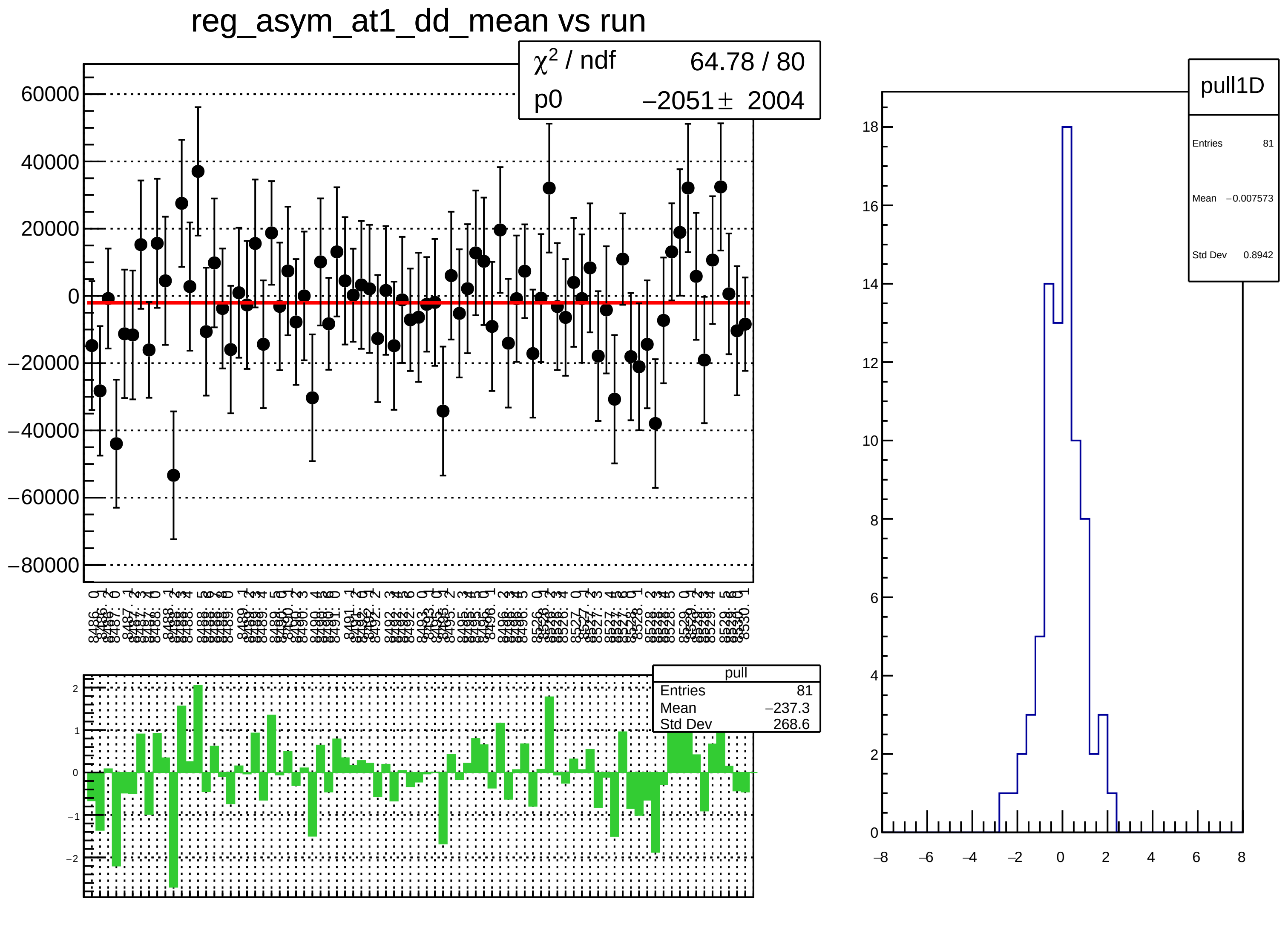


asym_at1_avg_correction_rms vs run
χ2 / ndf 8307 / 80
p0 1140 ± 0.8976
1000
1100
1200
1300
1400
1500

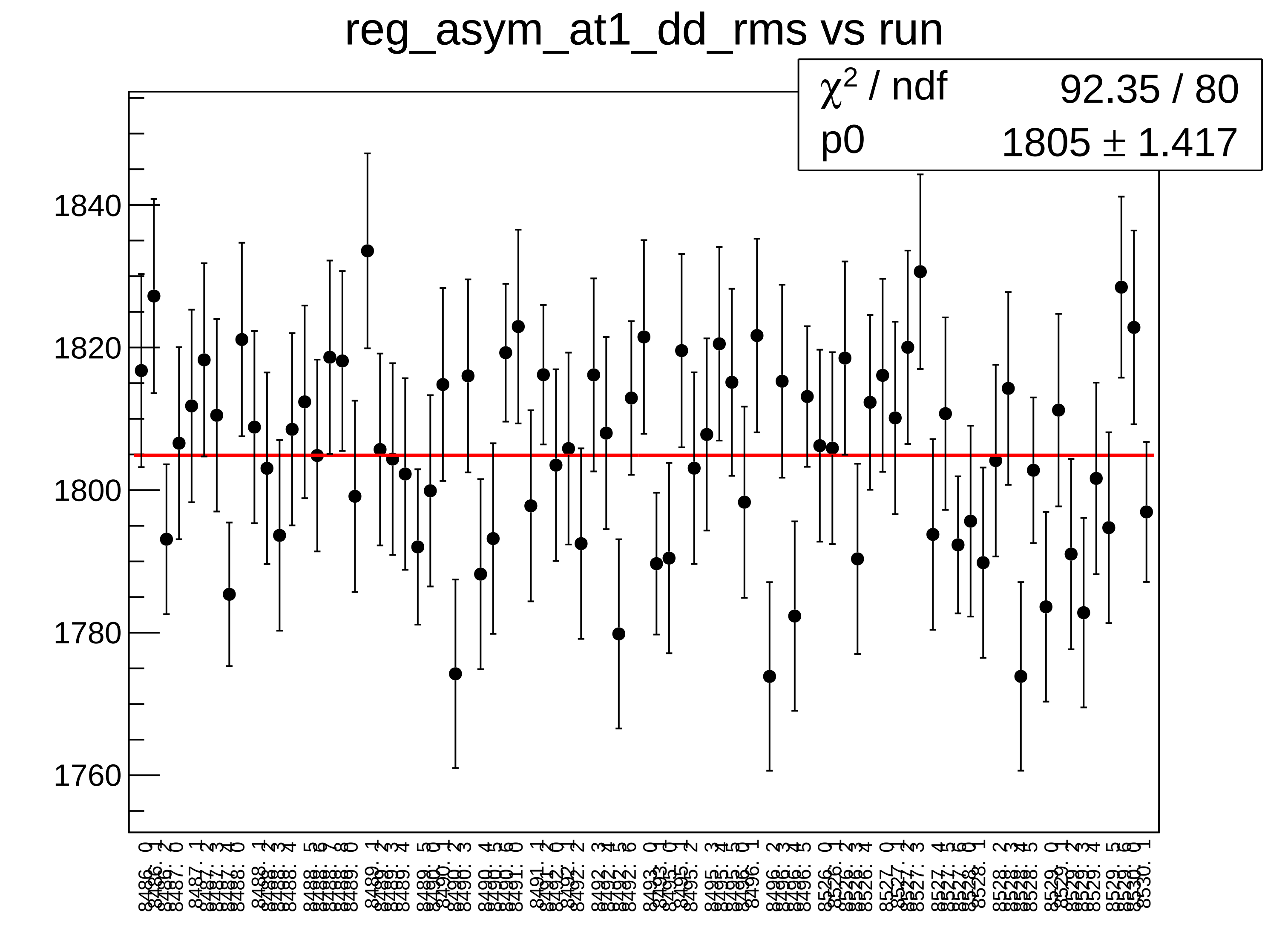

asym_at1_avg_mean vs run
χ2 / ndf 115.9 / 80
p0 391.4 ± 2382
pull
Entries 81
Mean −100.7
Std Dev 153
pull1D
Entries 81
Mean 0.03
Std Dev 1.196



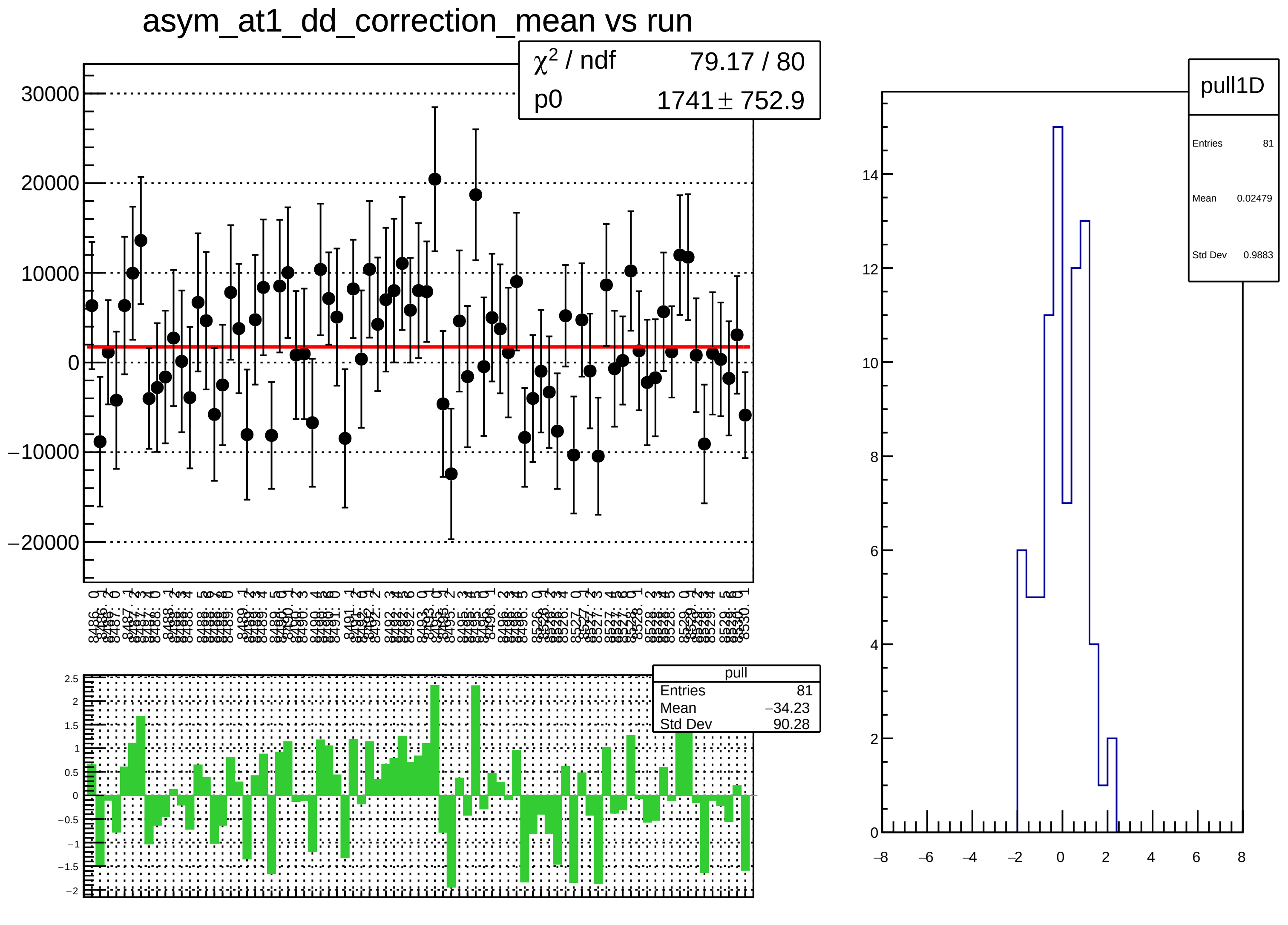
asym_at1_avg_rms vs run
χ^2 / ndf 801.2 / 80
p0 2144 ± 1.684

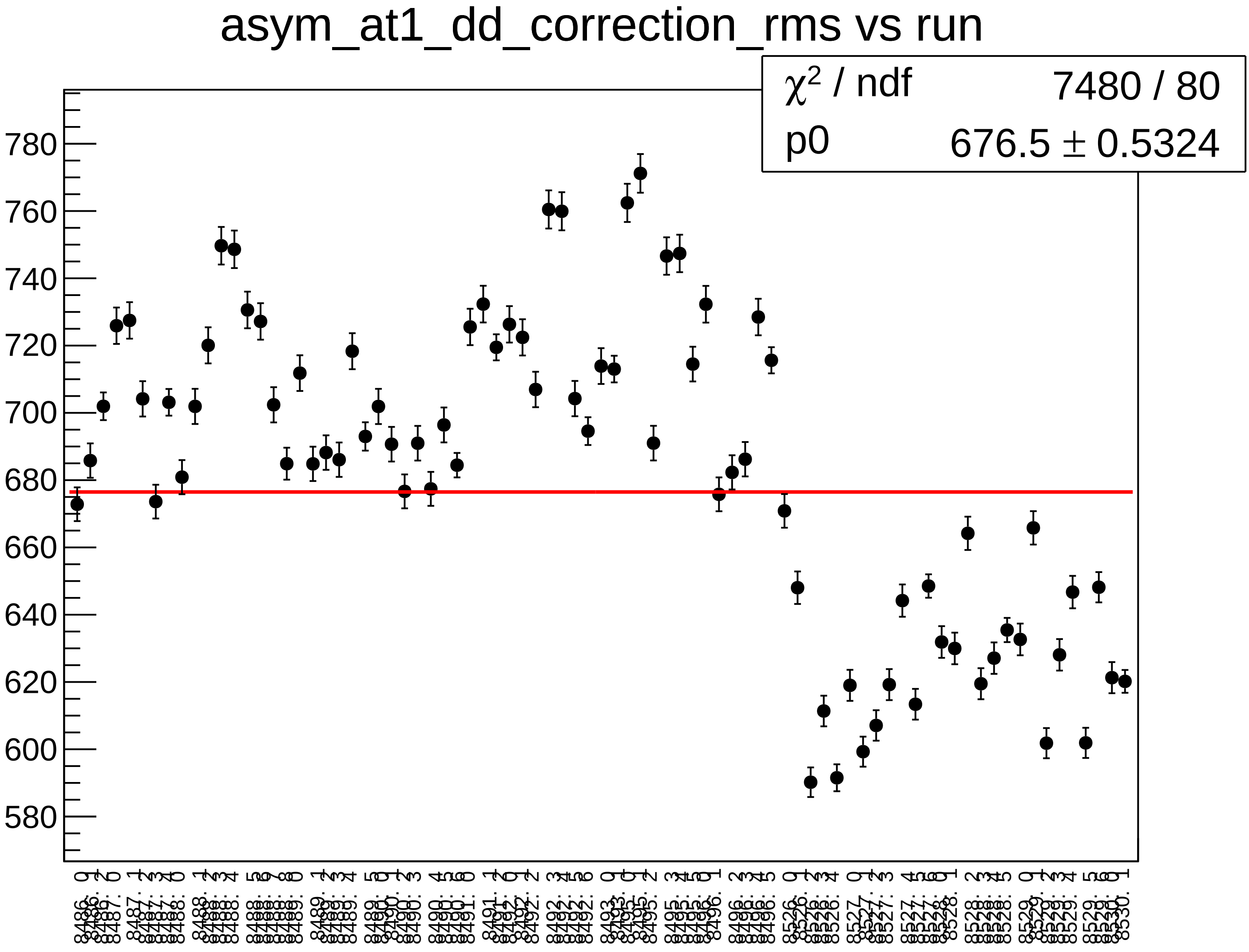


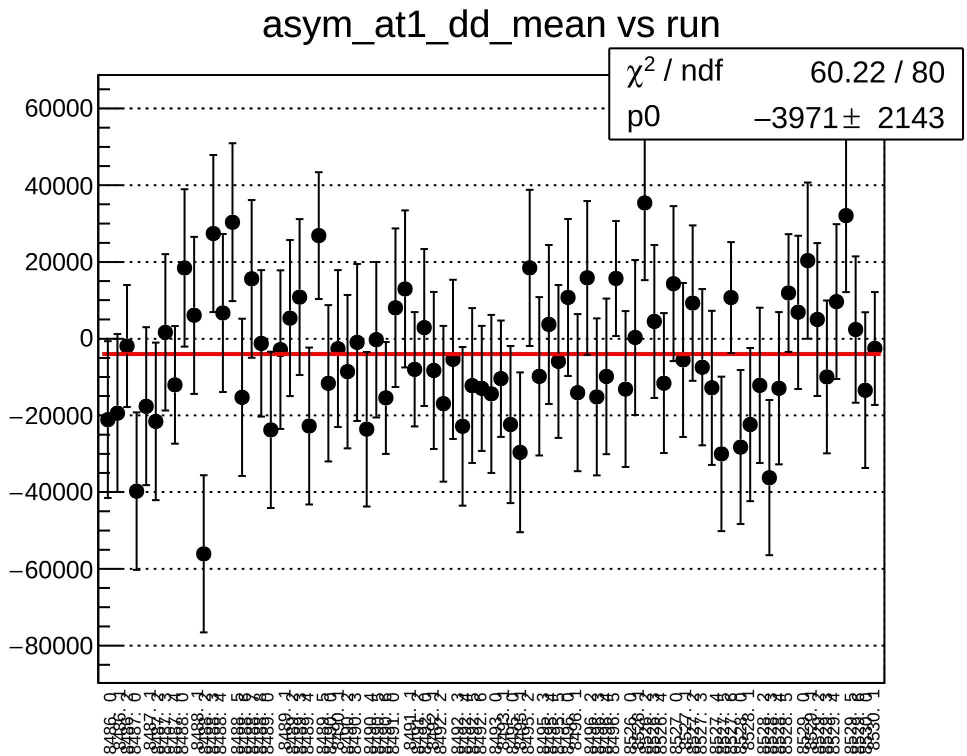
reg_asym_at1_dd_mean vs run
χ^2 / ndf 64.78 / 80
p0 −2051 ± 2004
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −237.3
Std Dev 268.6
pull1D
Entries 81
Mean −0.007573
Std Dev 0.8942

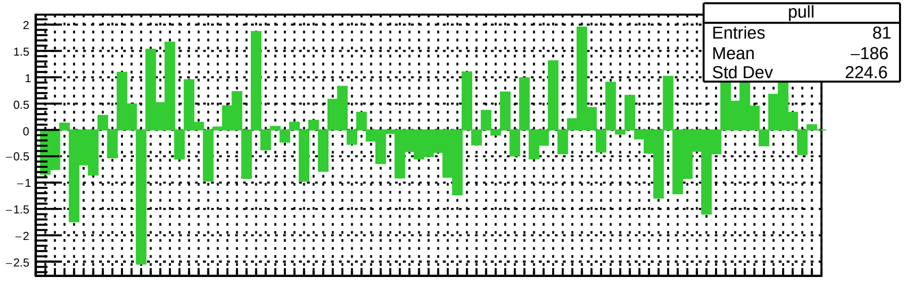


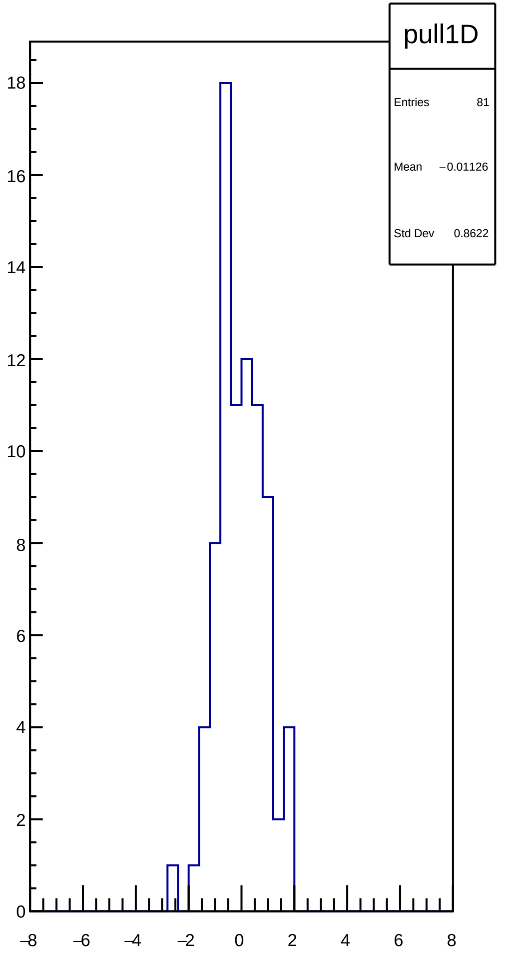
reg_asym_at1_dd_rms vs run
χ^2 / ndf 92.35 / 80
p0 1805 ± 1.417
1840
1820
1800
1780
1760

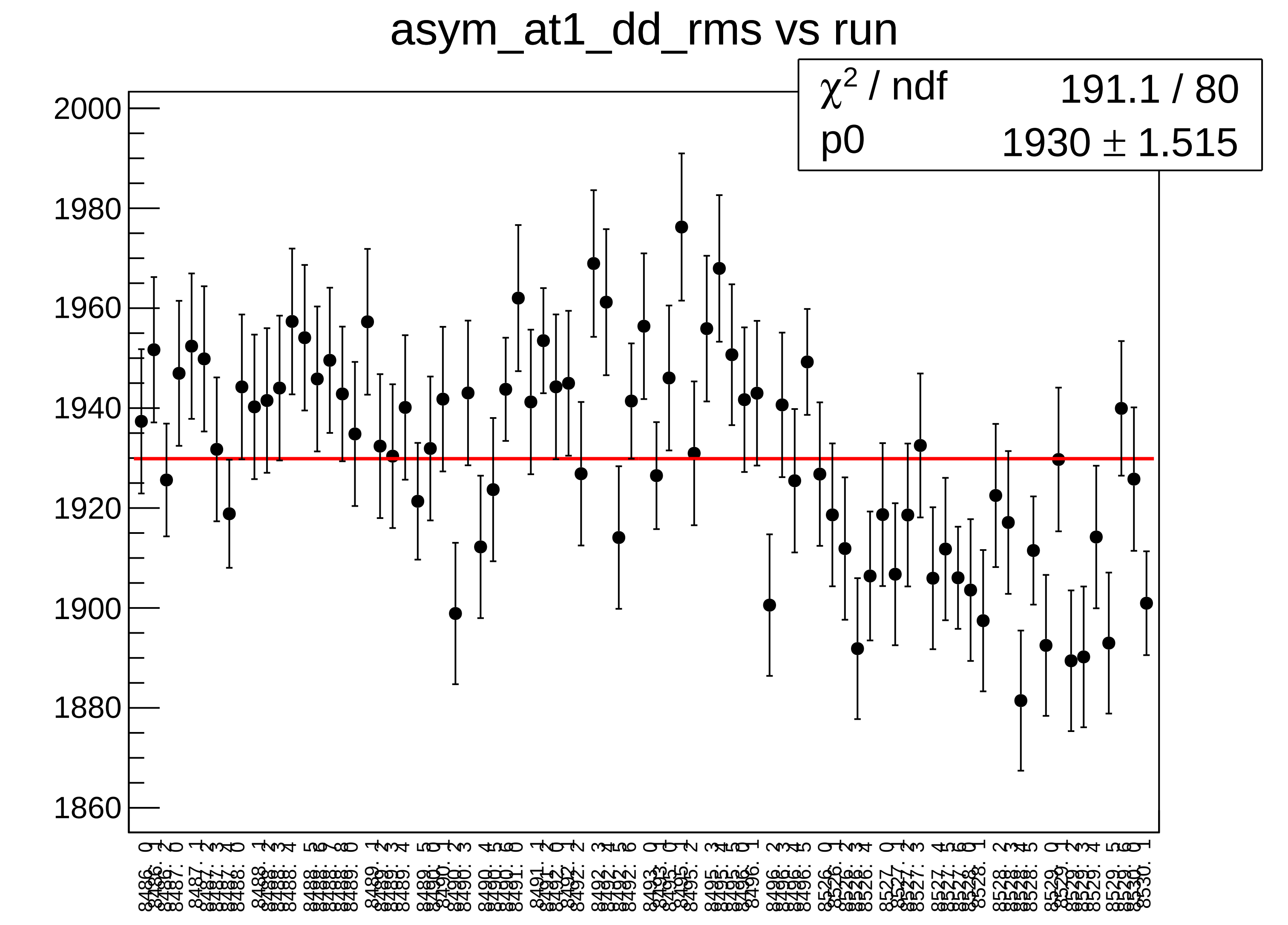

asym_at1_dd_correction_mean vs run
χ2 / ndf 79.17 / 80
p0 1741 ± 752.9
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −34.23
Std Dev 90.28
pull1D
Entries 81
Mean 0.02479
Std Dev 0.9883

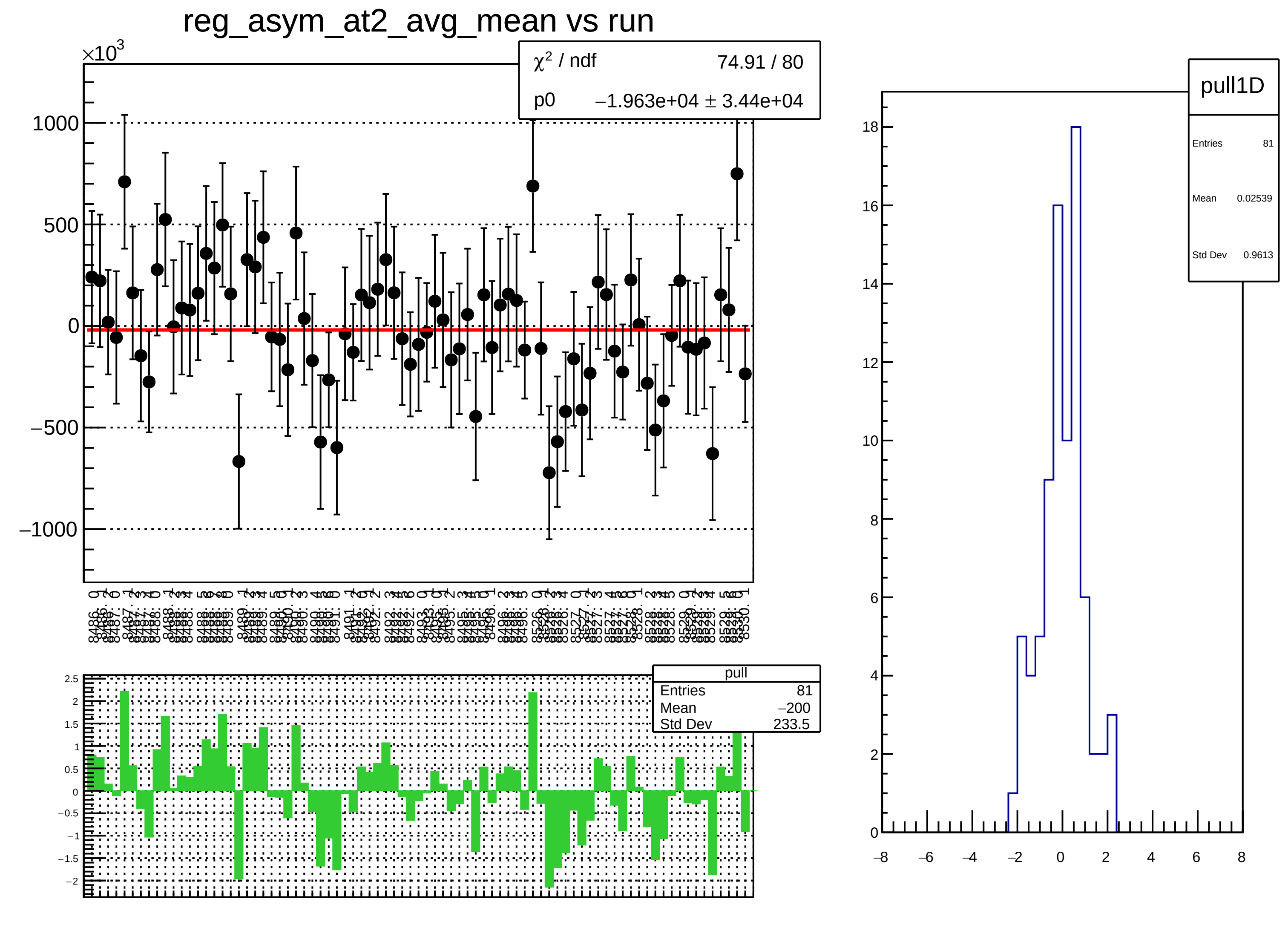

asym_at1_dd_correction_rms vs run
χ2 / ndf 7480 / 80
p0 676.5 ± 0.5324
780
760
740
720
700
680
660
640
620
600
580


asym_at1_dd_mean vs run
χ^2 / ndf 60.22 / 80
p0 −3971 ± 2143
60000
40000
20000
0
−20000
−40000
−60000
−80000

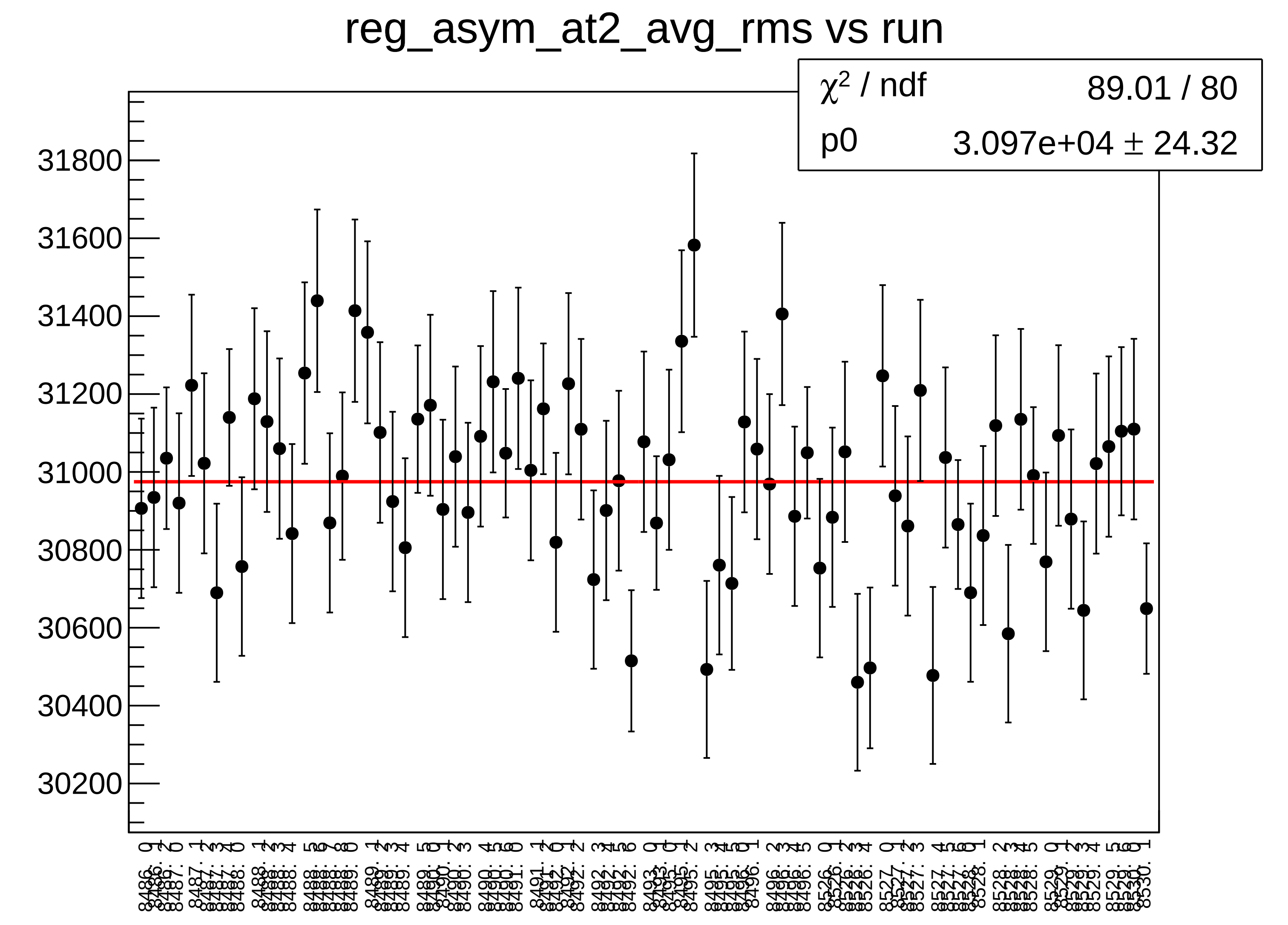

pull
Entries 81
Mean −186
Std Dev 224.6

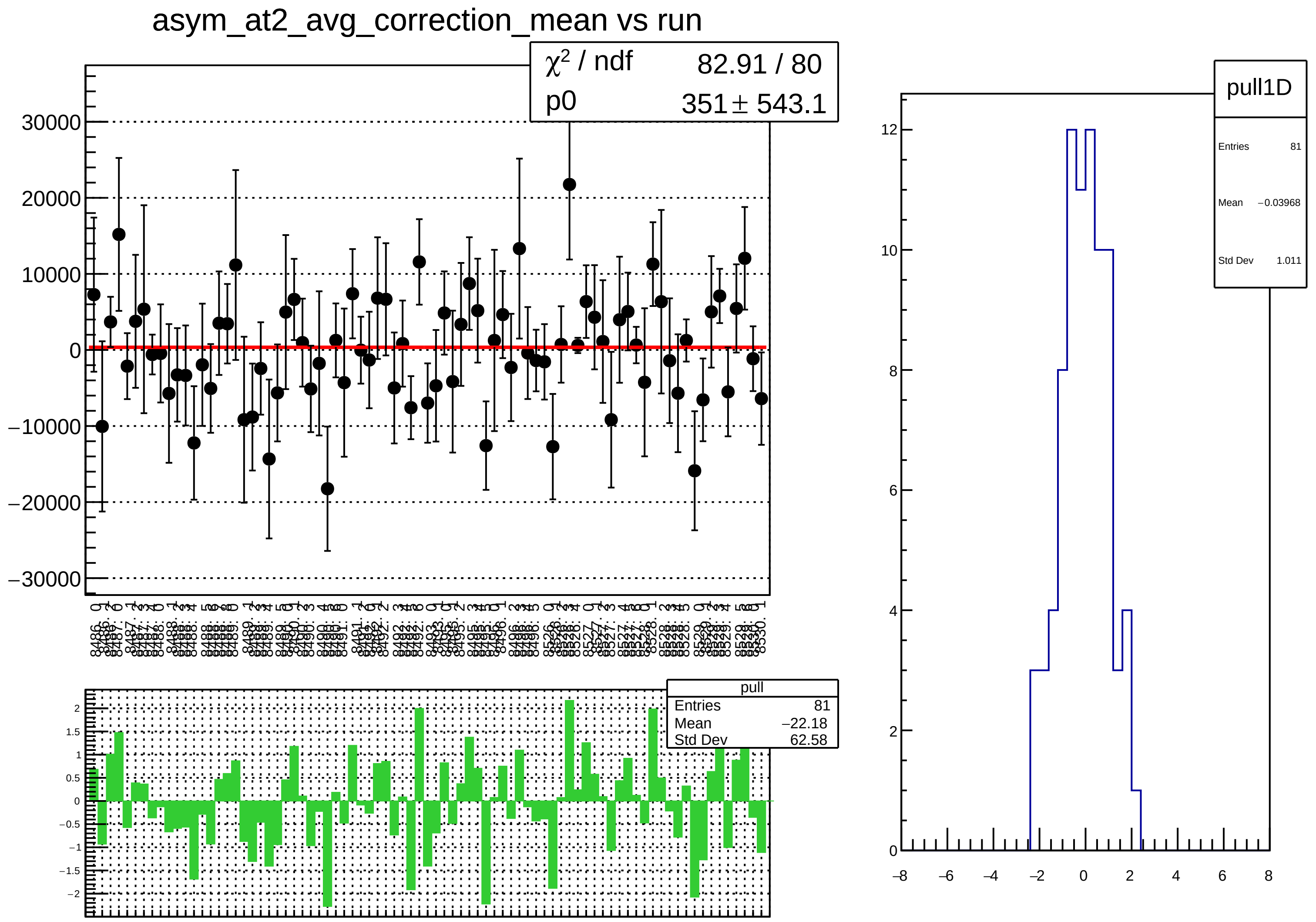

pull1D
Entries 81
Mean −0.01126
Std Dev 0.8622


asym_at1_dd_rms vs run
χ^2 / ndf 191.1 / 80
p0 1930 ± 1.515

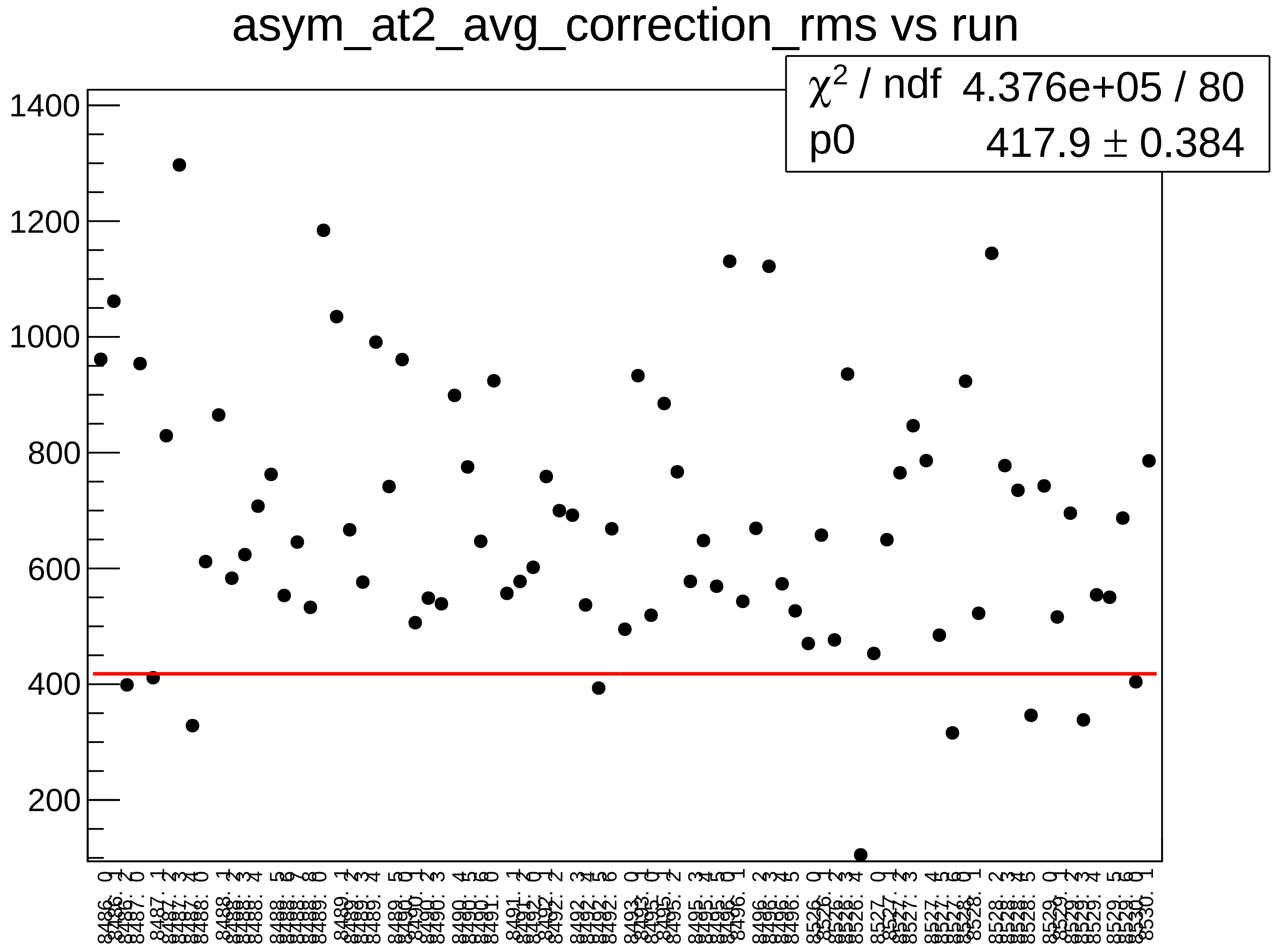


reg_asym_at2_avg_mean vs run
$\times10^3$
χ^2 / ndf 74.91 / 80
p0 −1.963e+04 ± 3.44e+04
1000
500
0
−500
−1000
pull
Entries 81
Mean −200
Std Dev 233.5
pull1D
Entries 81
Mean 0.02539
Std Dev 0.9613

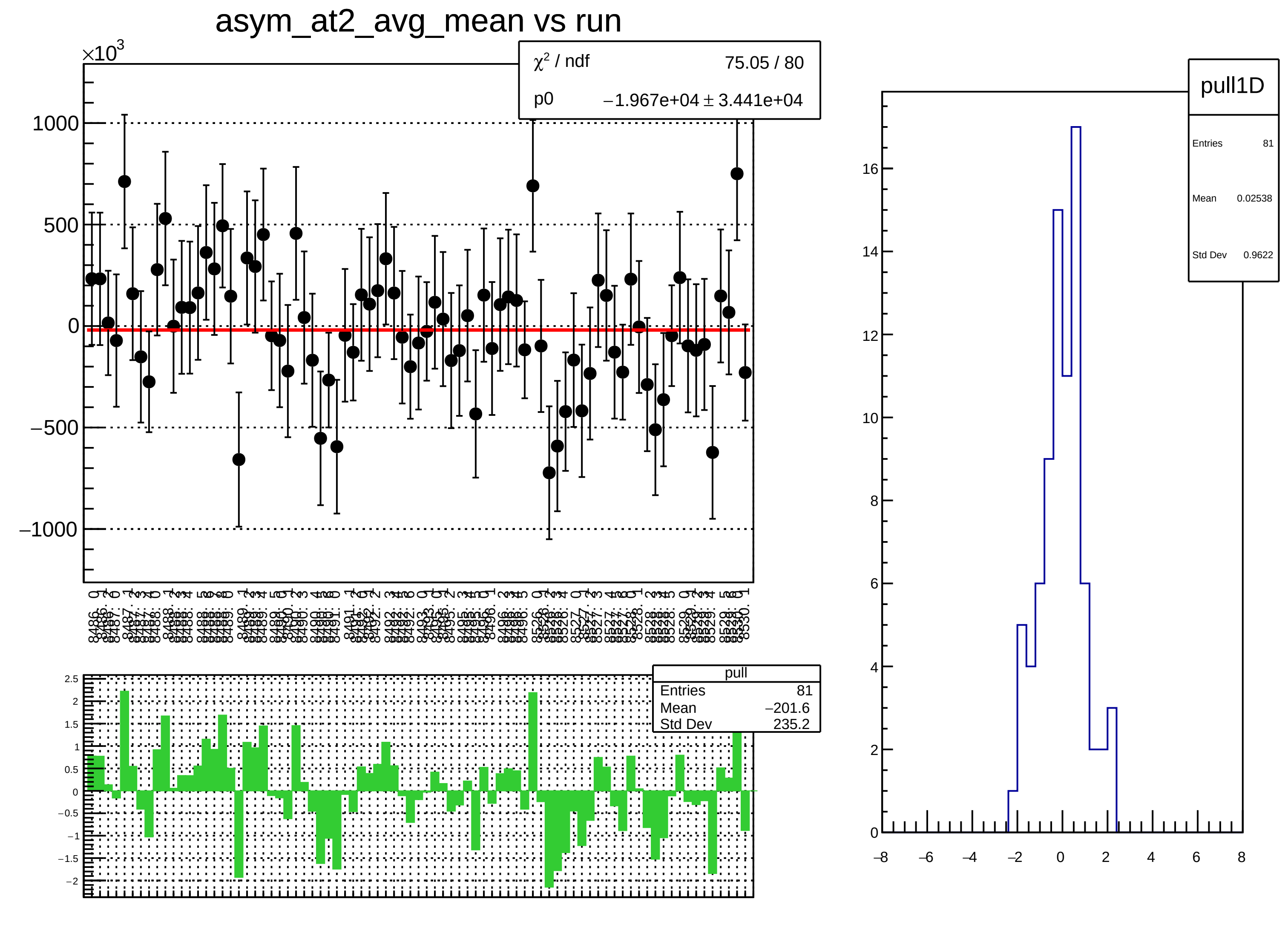

reg_asym_at2_avg_rms vs run
χ^2 / ndf 89.01 / 80
p0 3.097e+04 ± 24.32
31800
31600
31400
31200
31000
30800
30600
30400
30200

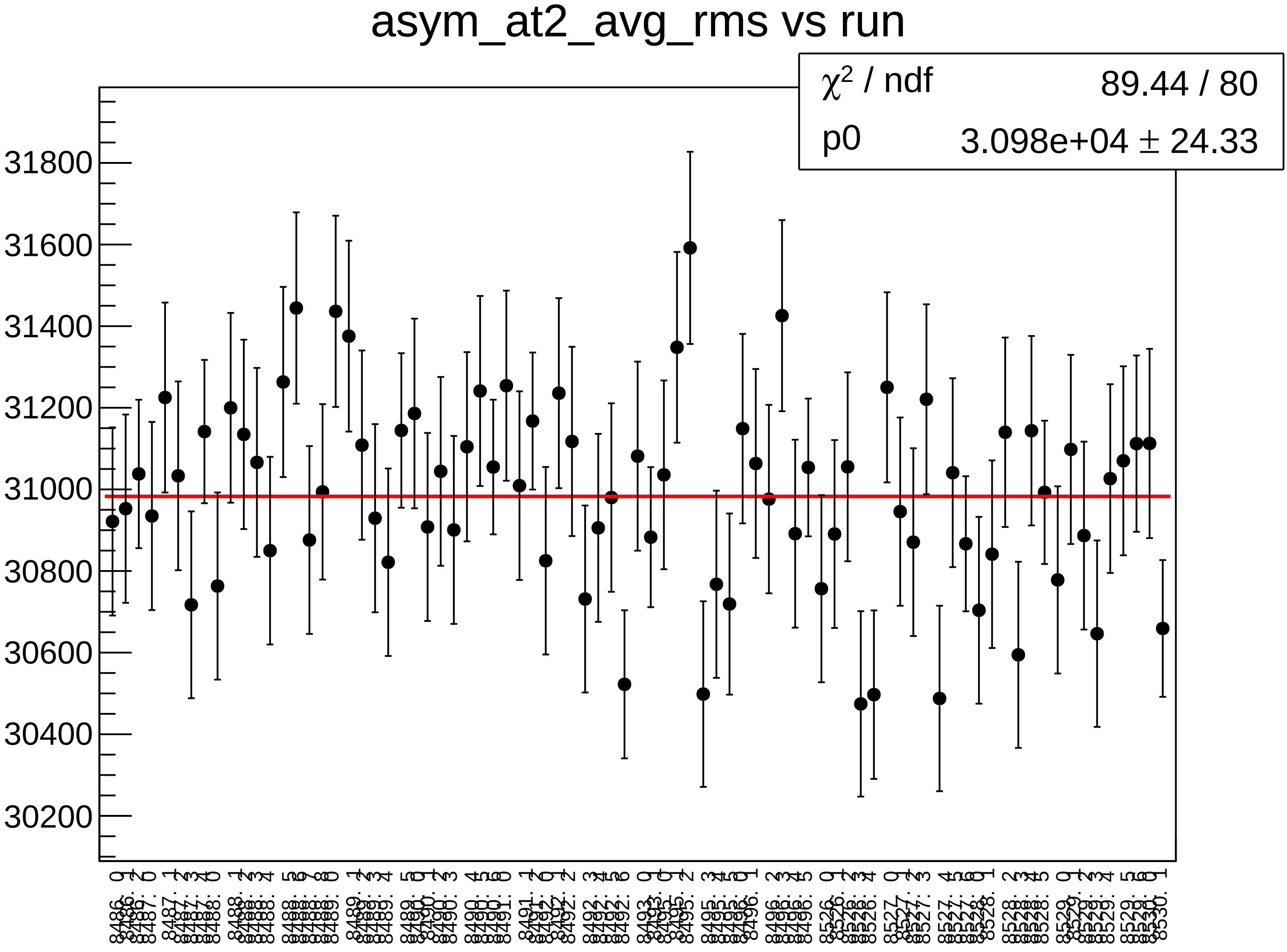


asym_at2_avg_correction_mean vs run
χ^2 / ndf 82.91 / 80
p0 351 ± 543.1
pull
Entries 81
Mean −22.18
Std Dev 62.58
pull1D
Entries 81
Mean −0.03968
Std Dev 1.011

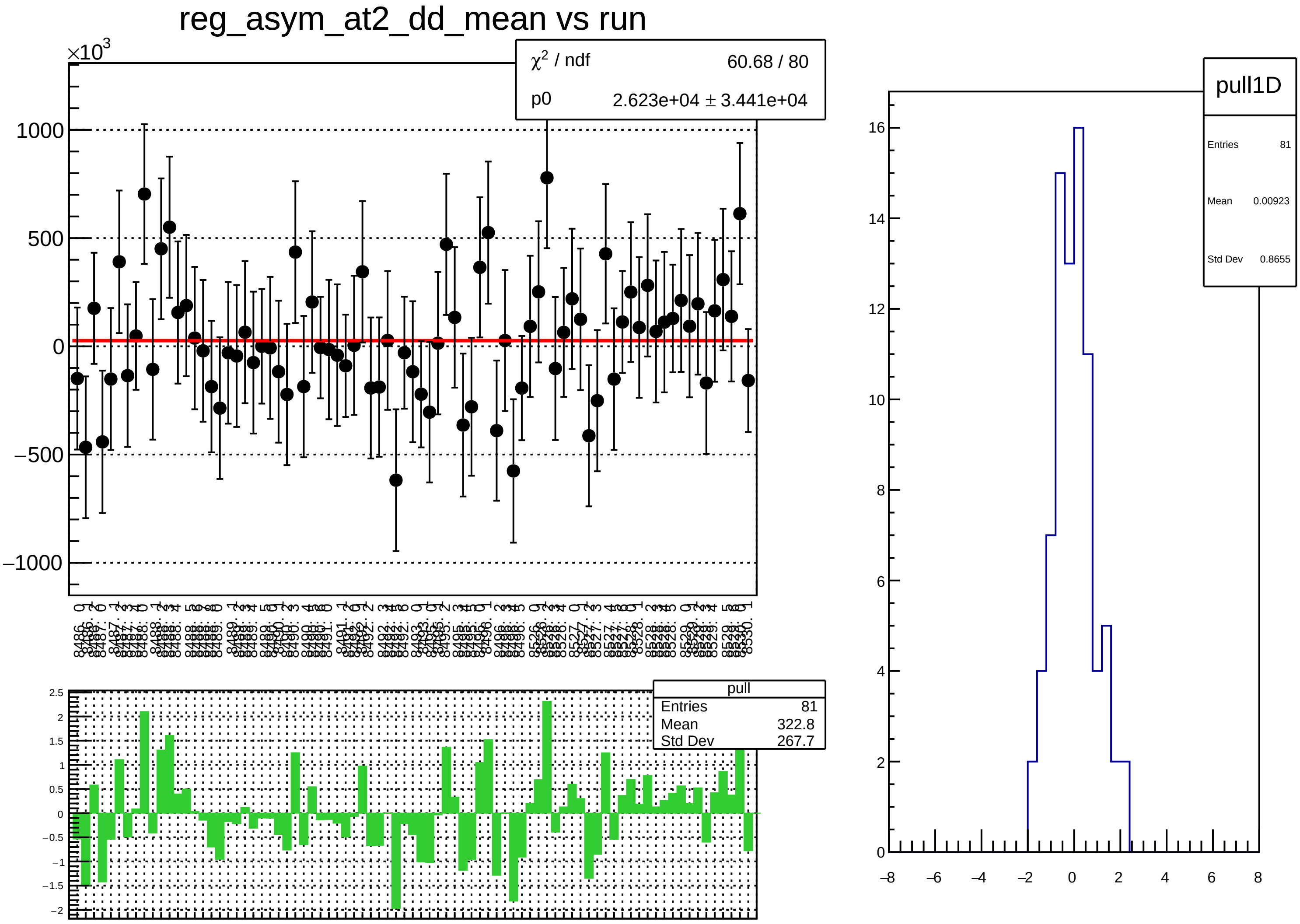


asym_at2_avg_correction_rms vs run
χ^2 / ndf 4.376e+05 / 80
p0 417.9 ± 0.384
1400
1200
1000
800
600
400
200

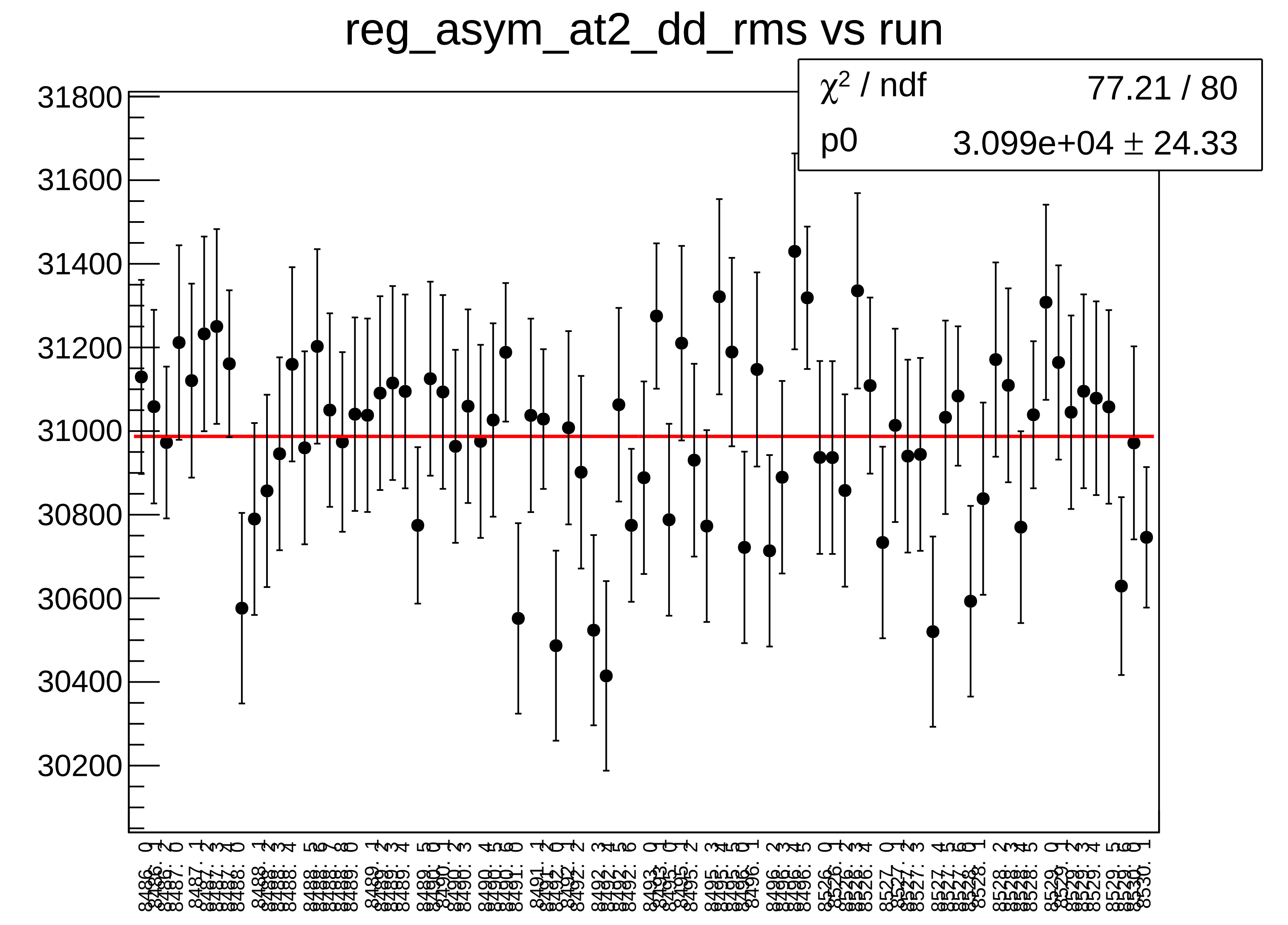

asym_at2_avg_mean vs run
×10^3
χ2 / ndf 75.05 / 80
p0 −1.967e+04 ± 3.441e+04
1000
500
0
−500
−1000
pull
Entries 81
Mean −201.6
Std Dev 235.2
pull1D
Entries 81
Mean 0.02538
Std Dev 0.9622



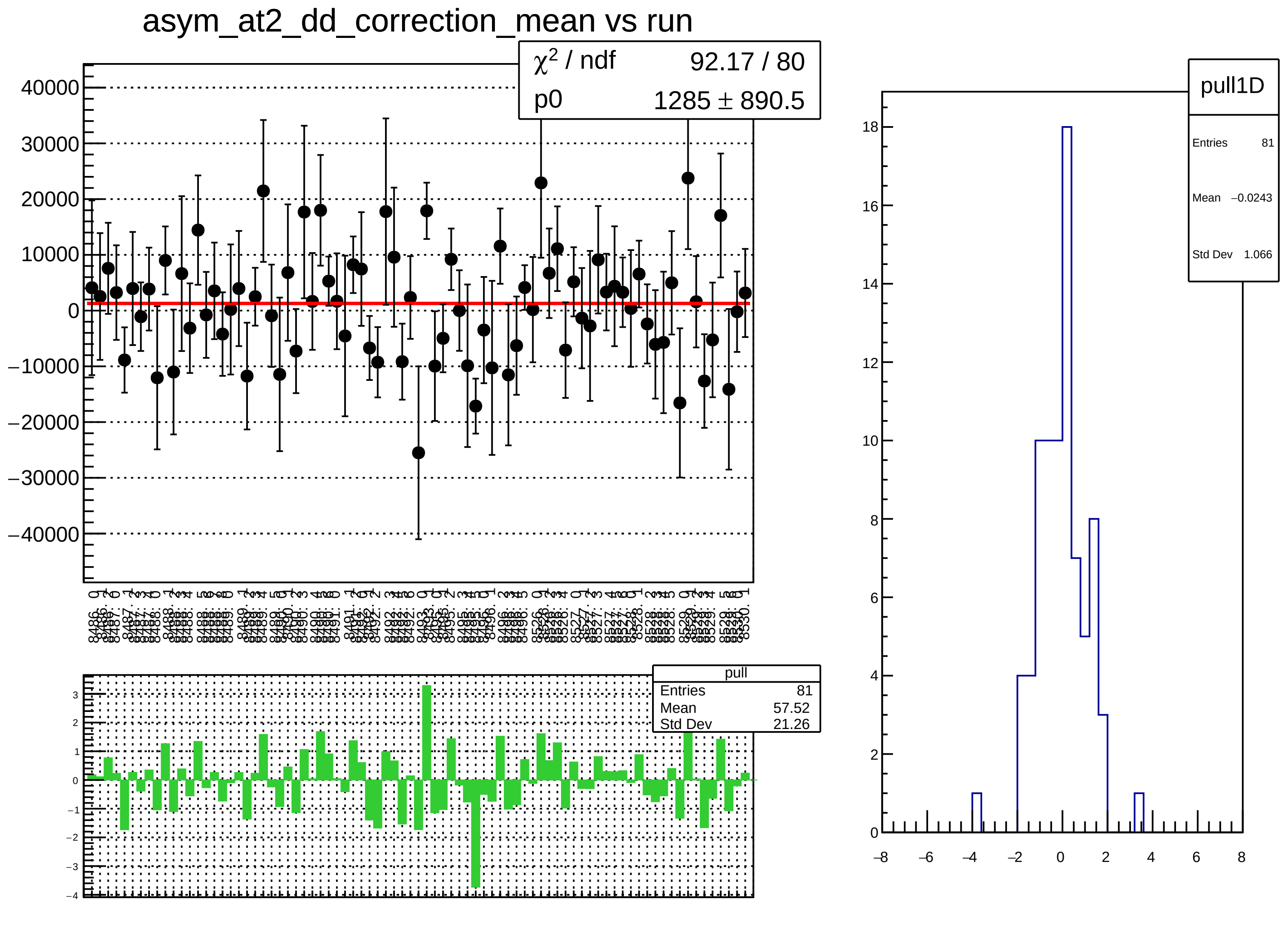
asym_at2_avg_rms vs run
χ2 / ndf 89.44 / 80
p0 3.098e+04 ± 24.33
31800
31600
31400
31200
31000
30800
30600
30400
30200



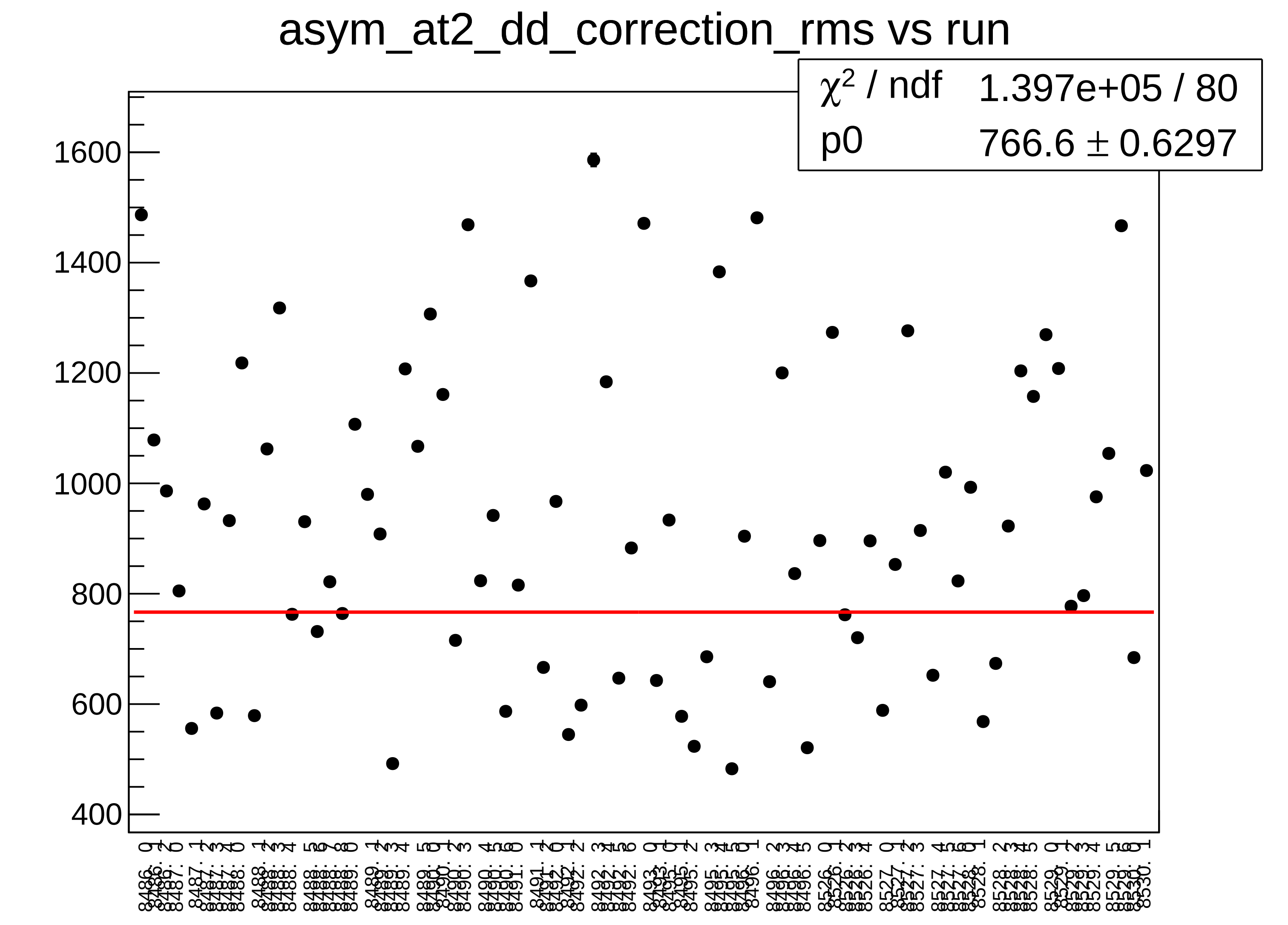
reg_asym_at2_dd_mean vs run
χ2 / ndf 60.68 / 80
p0 2.623e+04 ± 3.441e+04
pull
Entries 81
Mean 322.8
Std Dev 267.7
pull1D
Entries 81
Mean 0.00923
Std Dev 0.8655



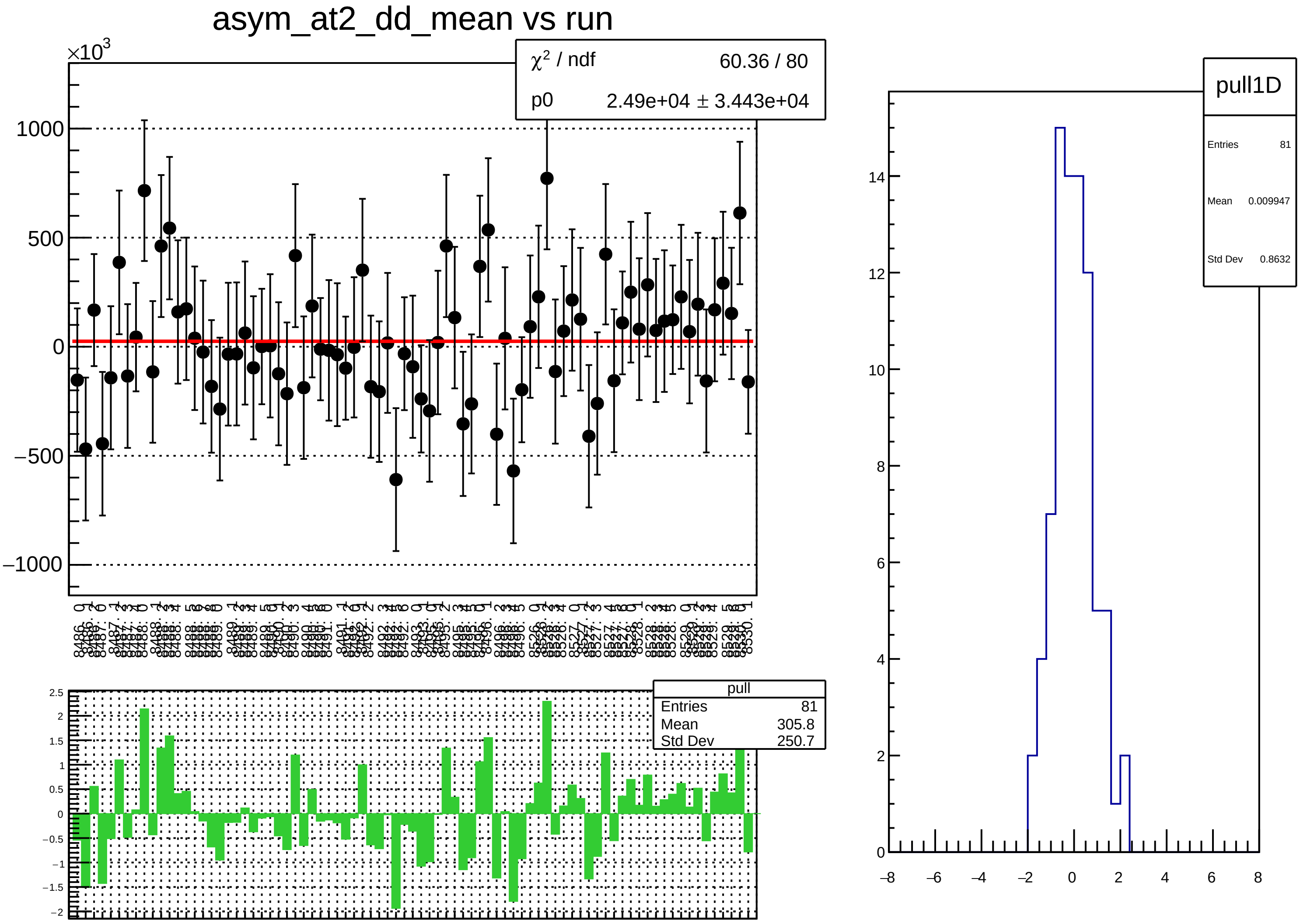
reg_asym_at2_dd_rms vs run
χ2 / ndf 77.21 / 80
p0 3.099e+04 ± 24.33
31800
31600
31400
31200
31000
30800
30600
30400
30200

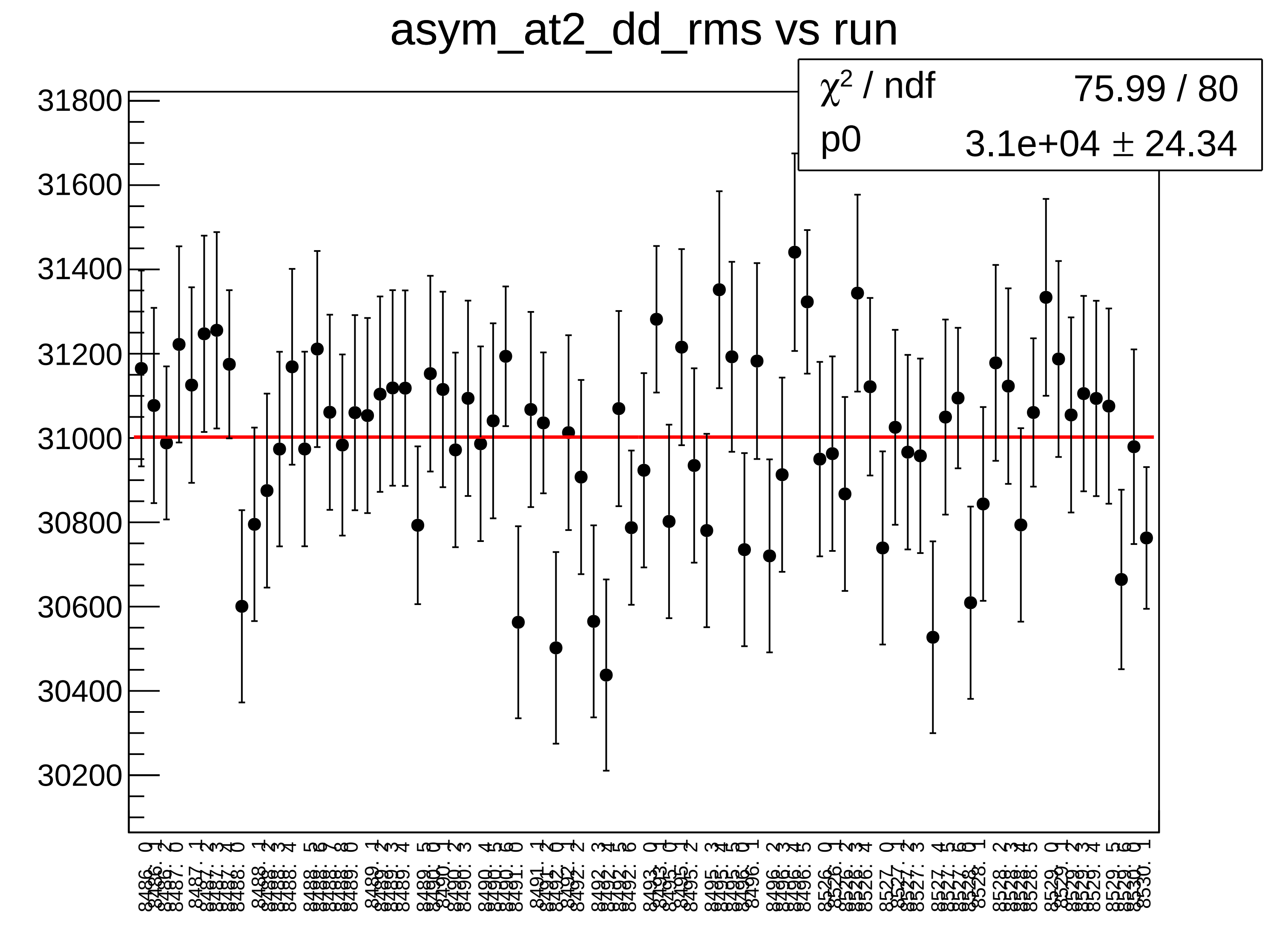


asym_at2_dd_correction_mean vs run
χ^2 / ndf 92.17 / 80
p0 1285 ± 890.5
pull
Entries 81
Mean 57.52
Std Dev 21.26
pull1D
Entries 81
Mean −0.0243
Std Dev 1.066

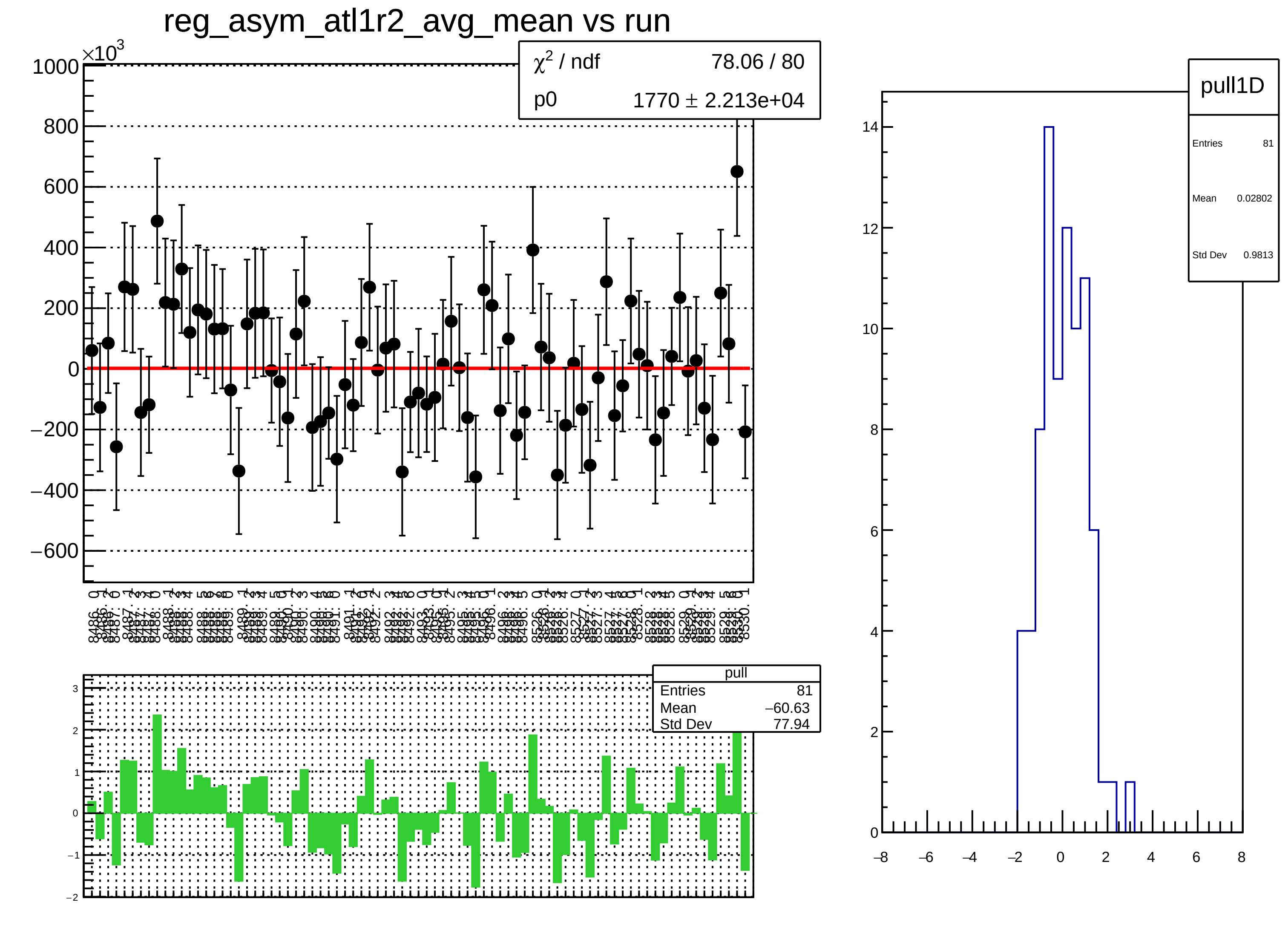


asym_at2_dd_correction_rms vs run
χ^2 / ndf 1.397e+05 / 80
p0 766.6 ± 0.6297

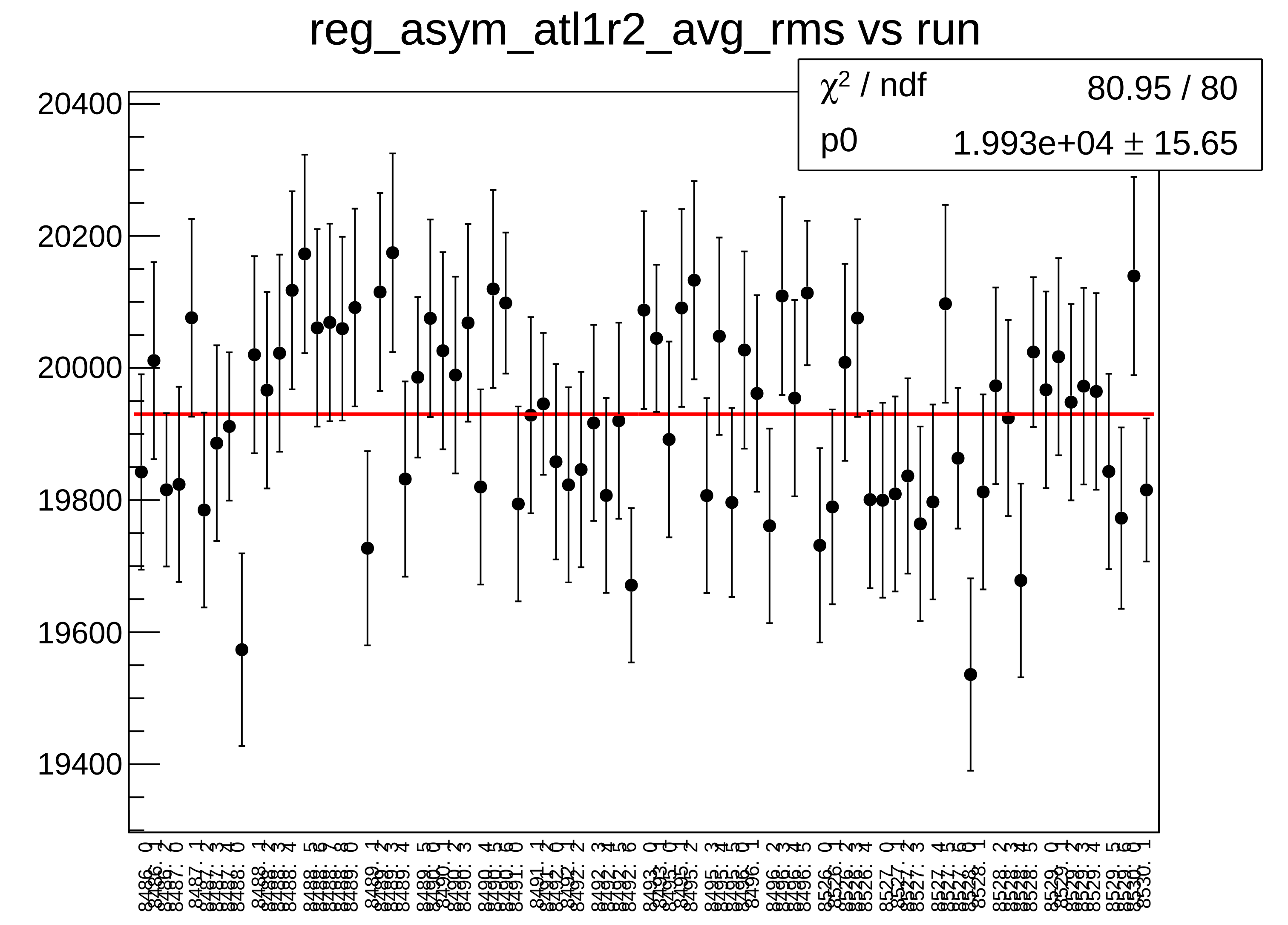

asym_at2_dd_mean vs run
×10^3
χ2 / ndf 60.36 / 80
p0 2.49e+04 ± 3.443e+04
1000
500
0
−500
−1000
pull
Entries 81
Mean 305.8
Std Dev 250.7
pull1D
Entries 81
Mean 0.009947
Std Dev 0.8632

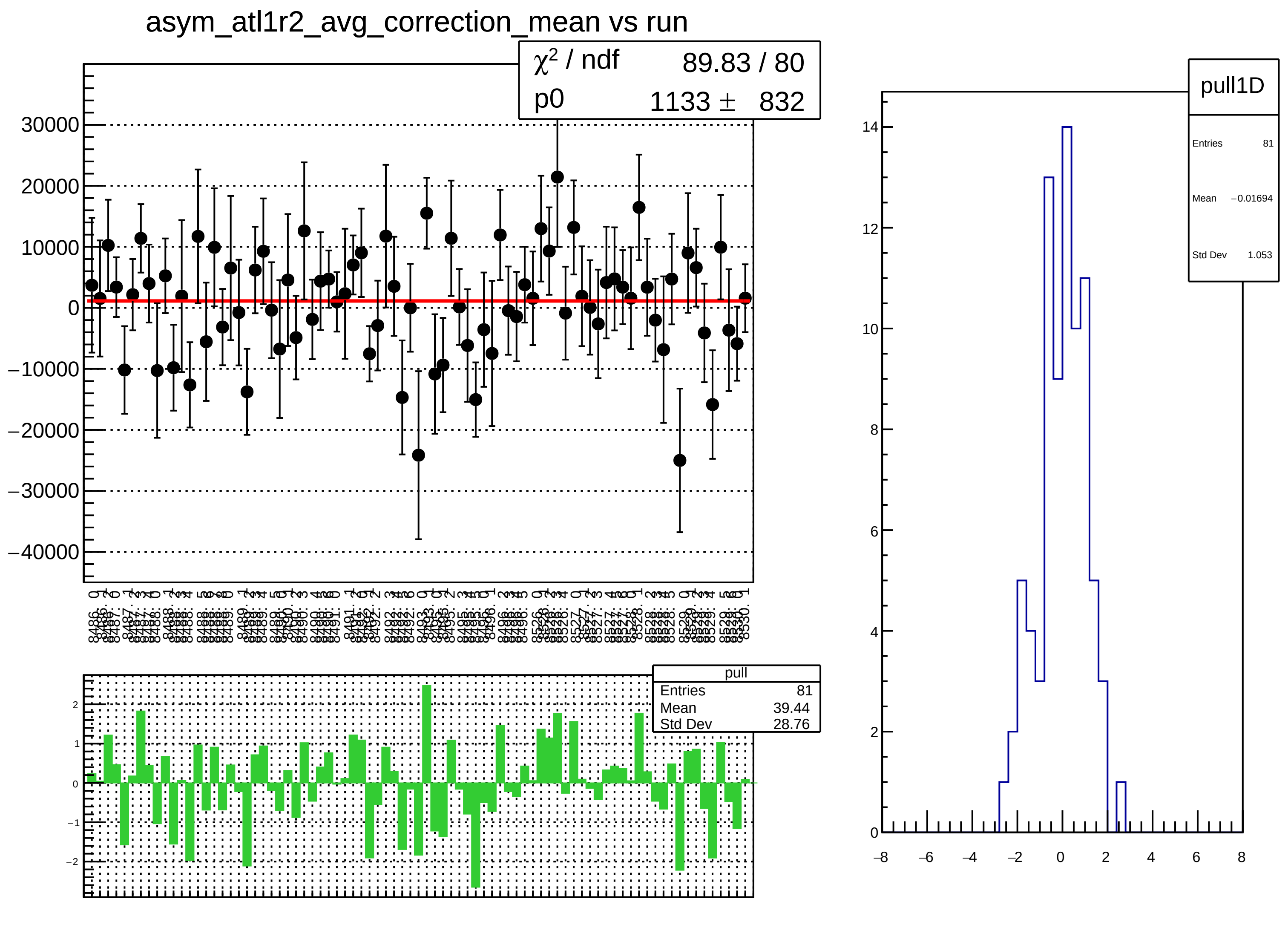


asym_at2_dd_rms vs run
χ^2 / ndf 75.99 / 80
p0 3.1e+04 ± 24.34
31800
31600
31400
31200
31000
30800
30600
30400
30200

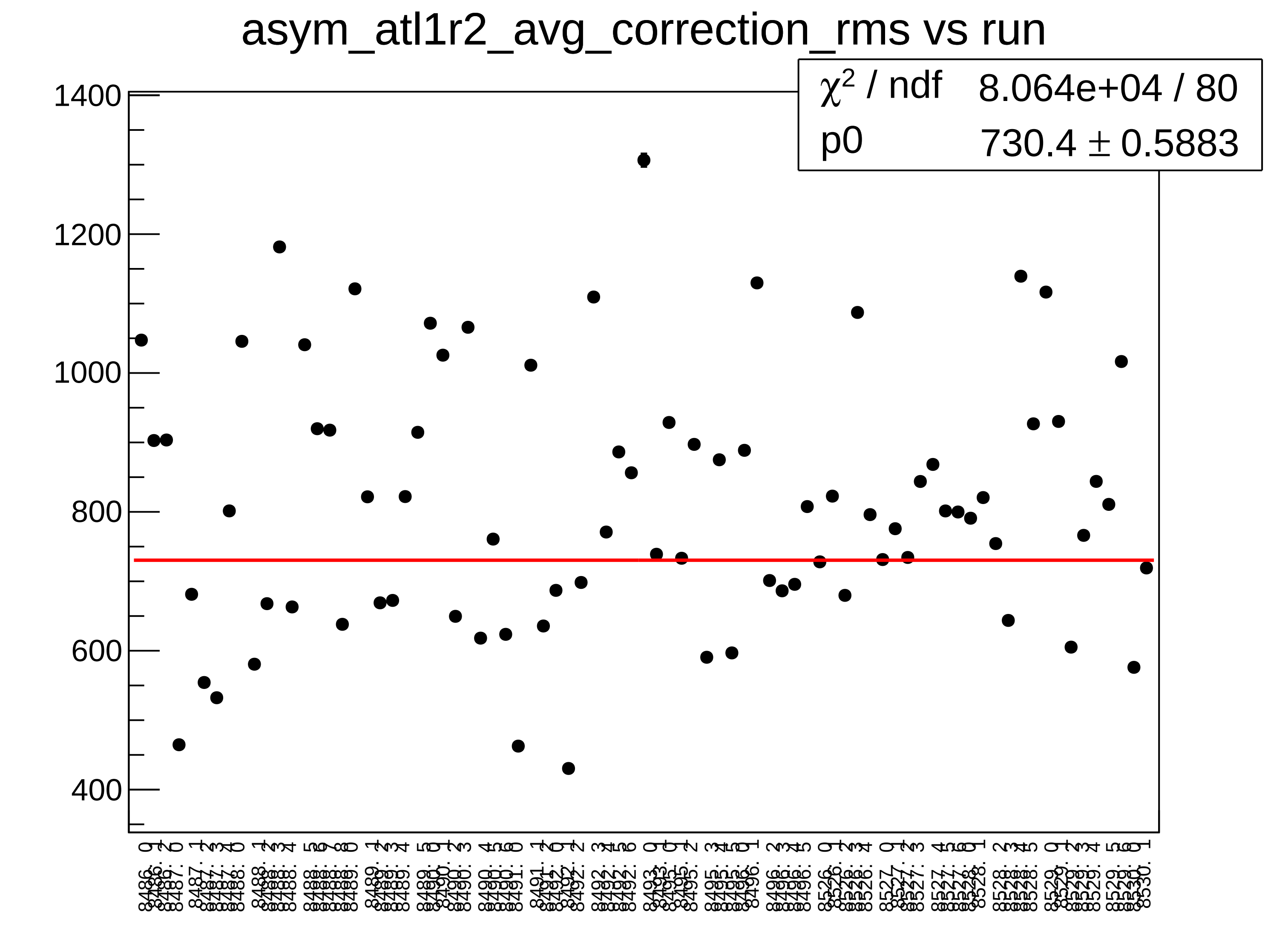


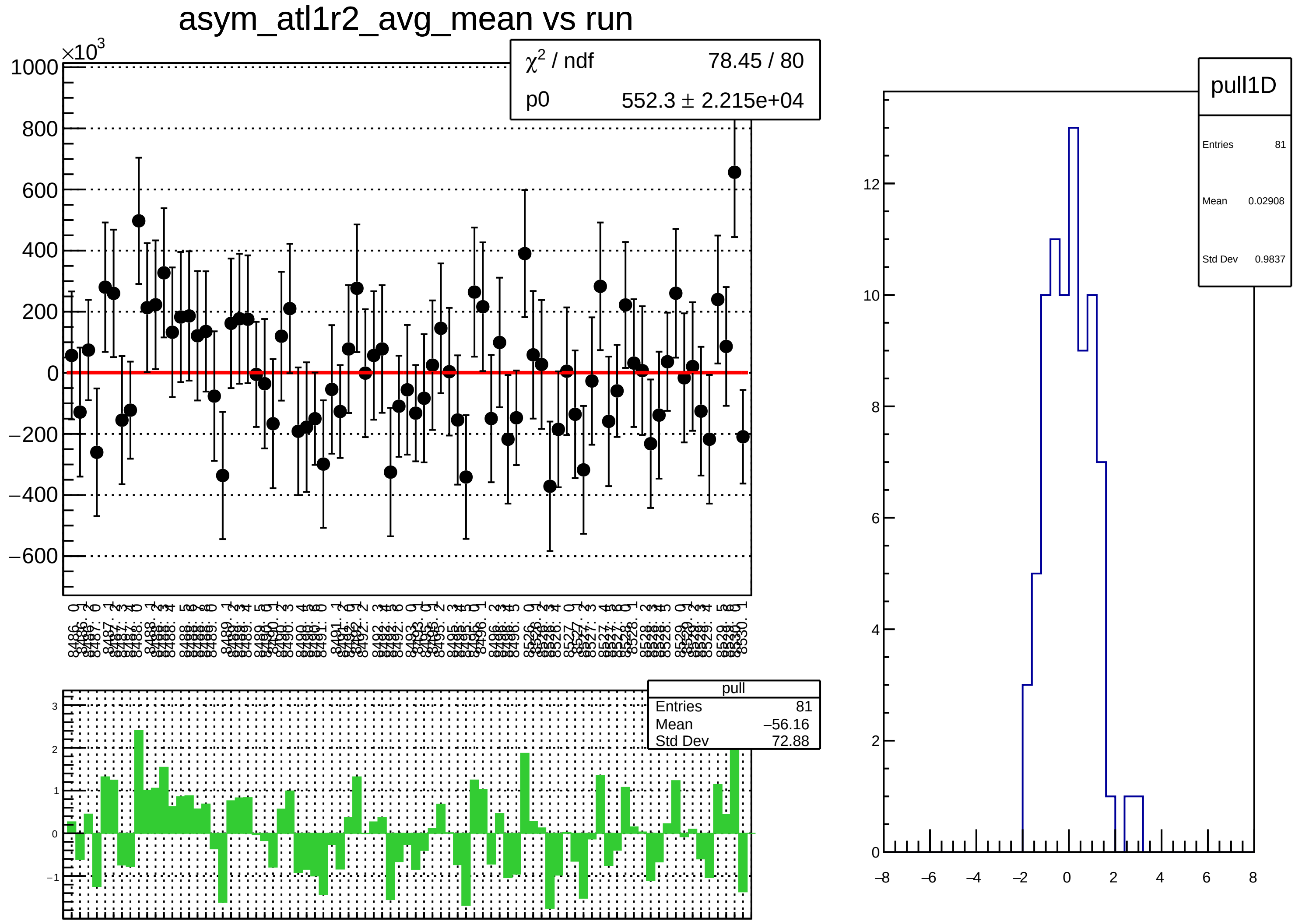
reg_asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 78.06 / 80
p0 1770 ± 2.213e+04
pull
Entries 81
Mean −60.63
Std Dev 77.94
pull1D
Entries 81
Mean 0.02802
Std Dev 0.9813


reg_asym_atl1r2_avg_rms vs run
χ^2 / ndf 80.95 / 80
p0 1.993e+04 ± 15.65
20400
20200
20000
19800
19600
19400

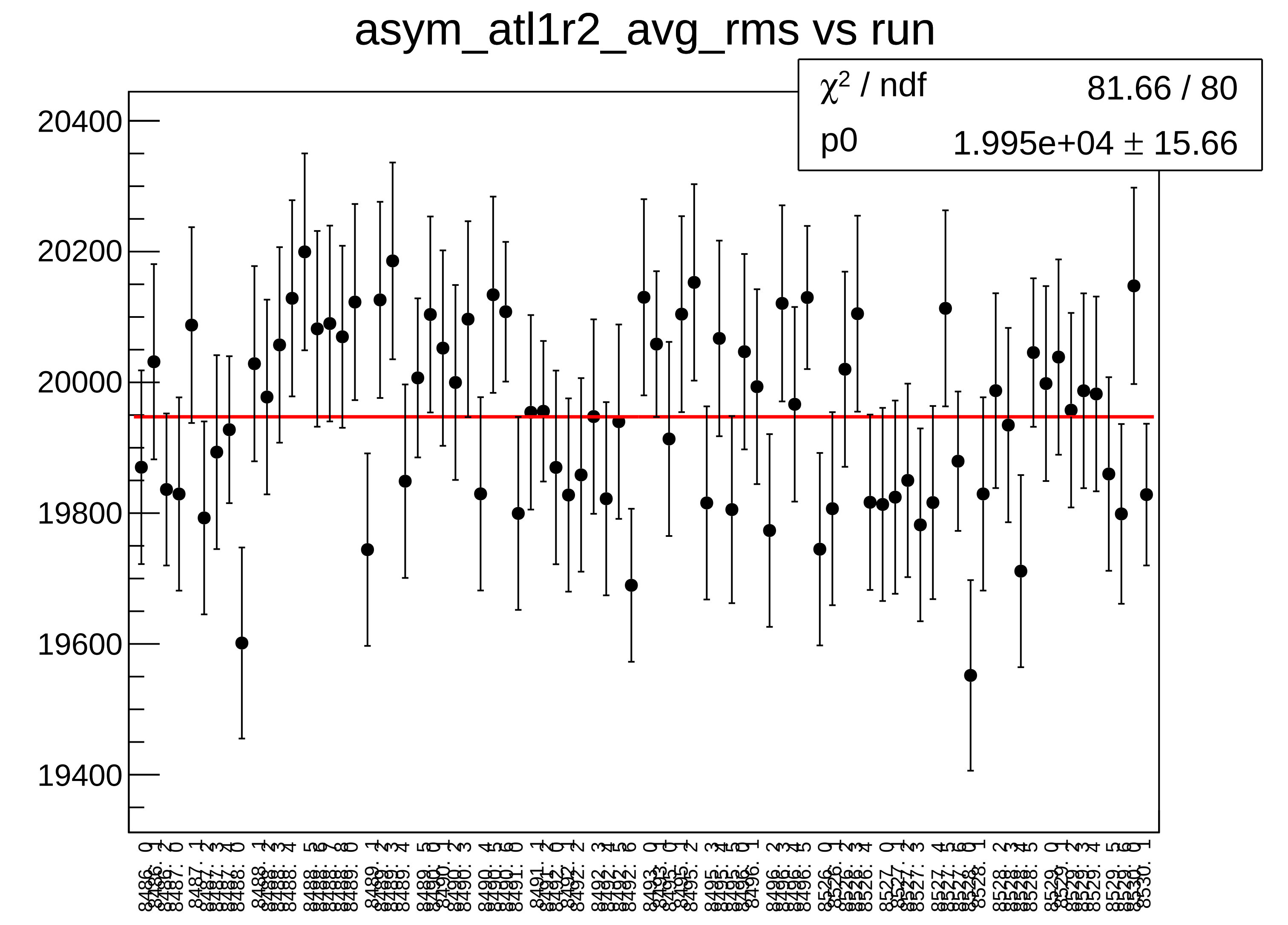


asym_atl1r2_avg_correction_mean vs run
χ2 / ndf 89.83 / 80
p0 1133 ± 832
pull
Entries 81
Mean 39.44
Std Dev 28.76
pull1D
Entries 81
Mean −0.01694
Std Dev 1.053

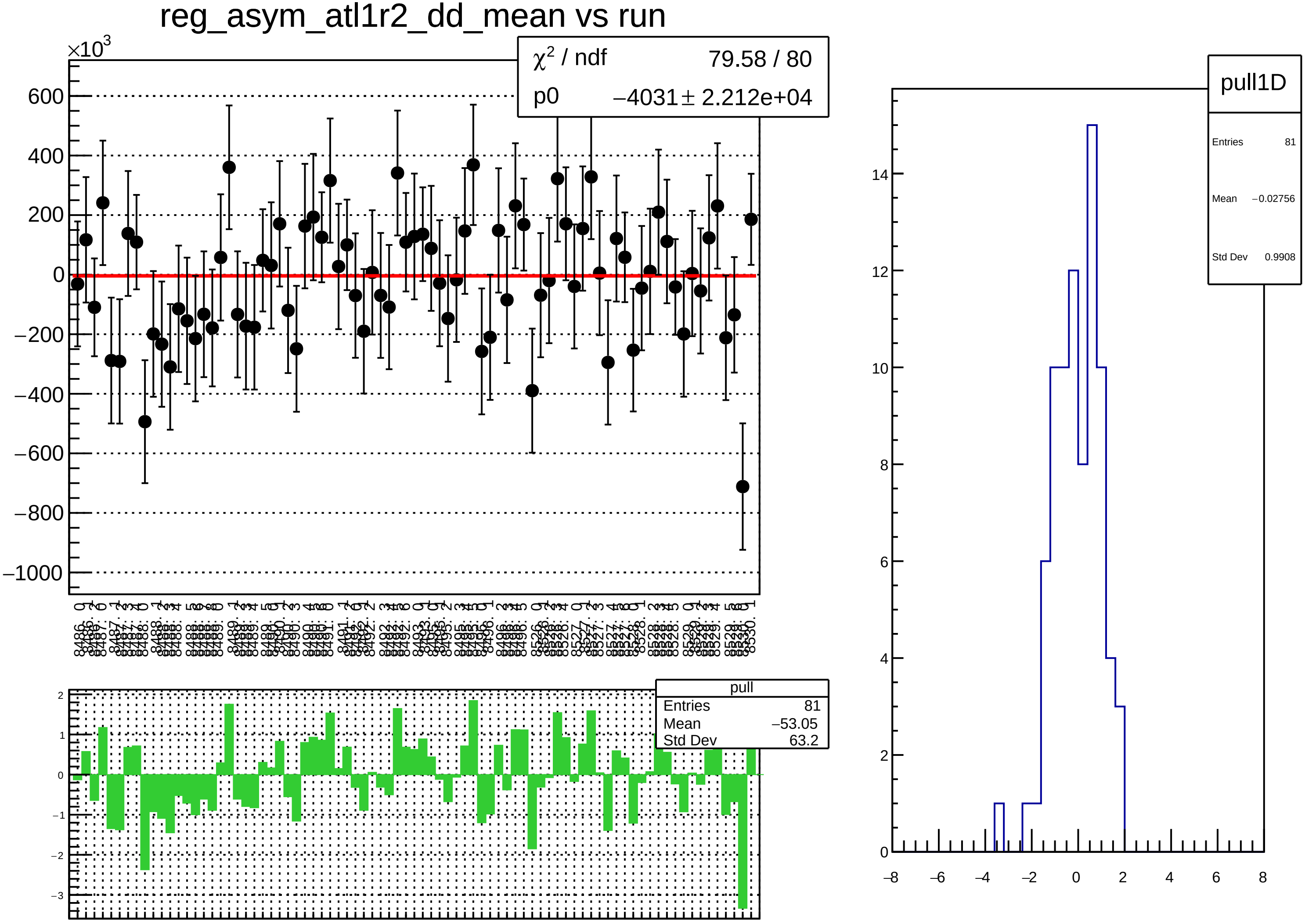

asym_atl1r2_avg_correction_rms vs run
χ^2 / ndf 8.064e+04 / 80
p0 730.4 ± 0.5883
1400
1200
1000
800
600
400



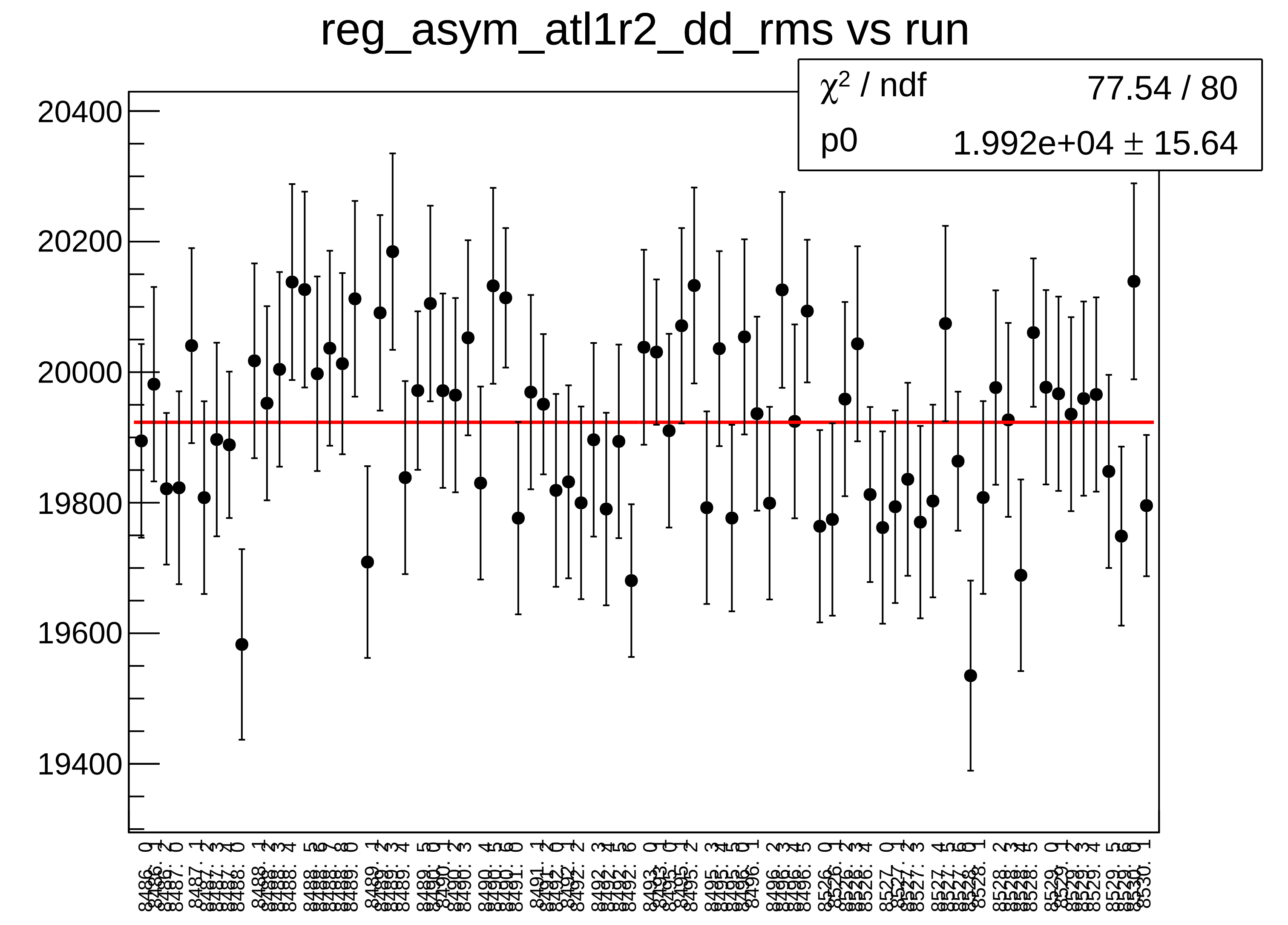
asym_atl1r2_avg_mean vs run
χ^2 / ndf 78.45 / 80
p0 552.3 ± 2.215e+04
$\times10^3$
pull
Entries 81
Mean −56.16
Std Dev 72.88
pull1D
Entries 81
Mean 0.02908
Std Dev 0.9837

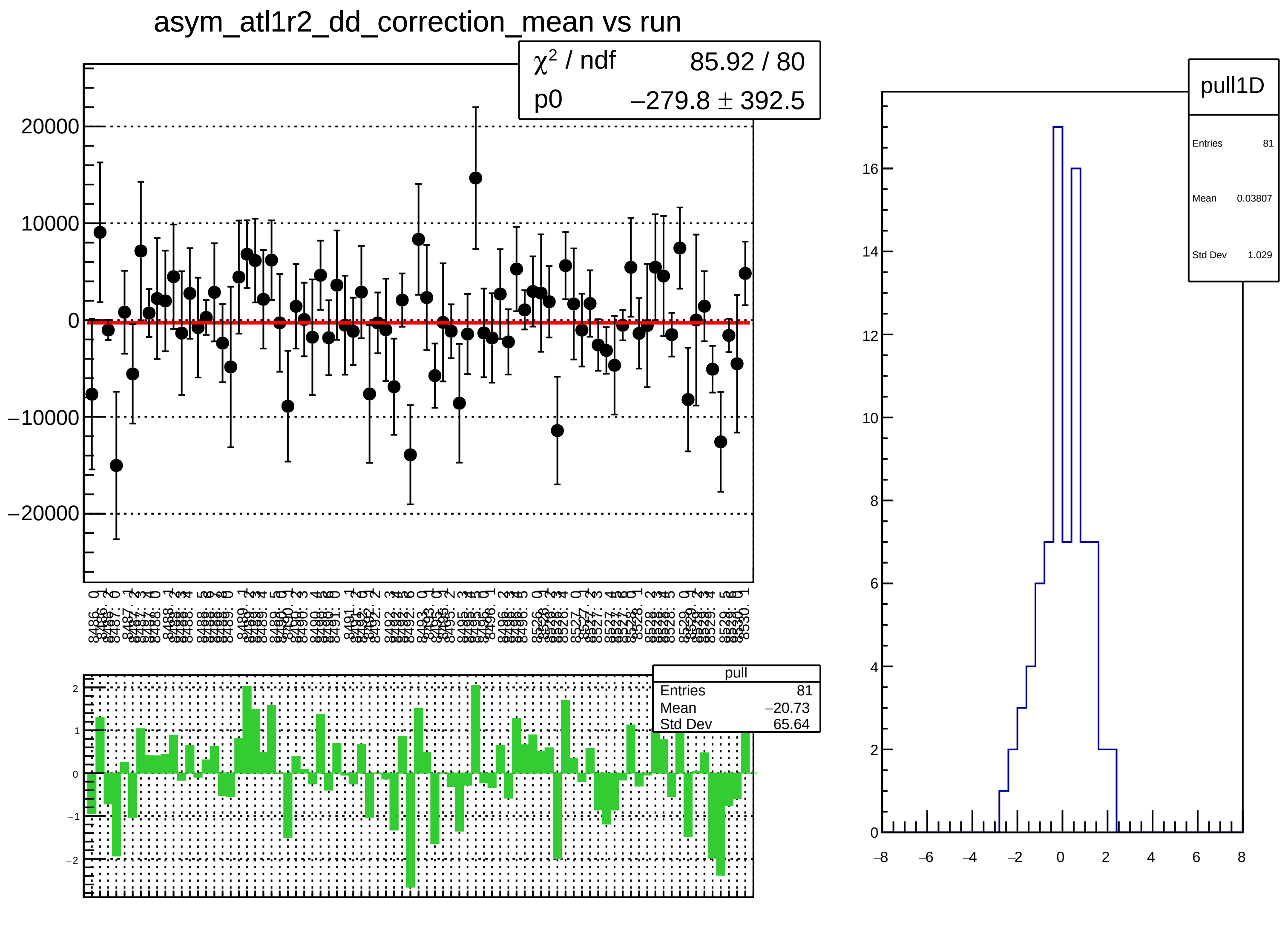


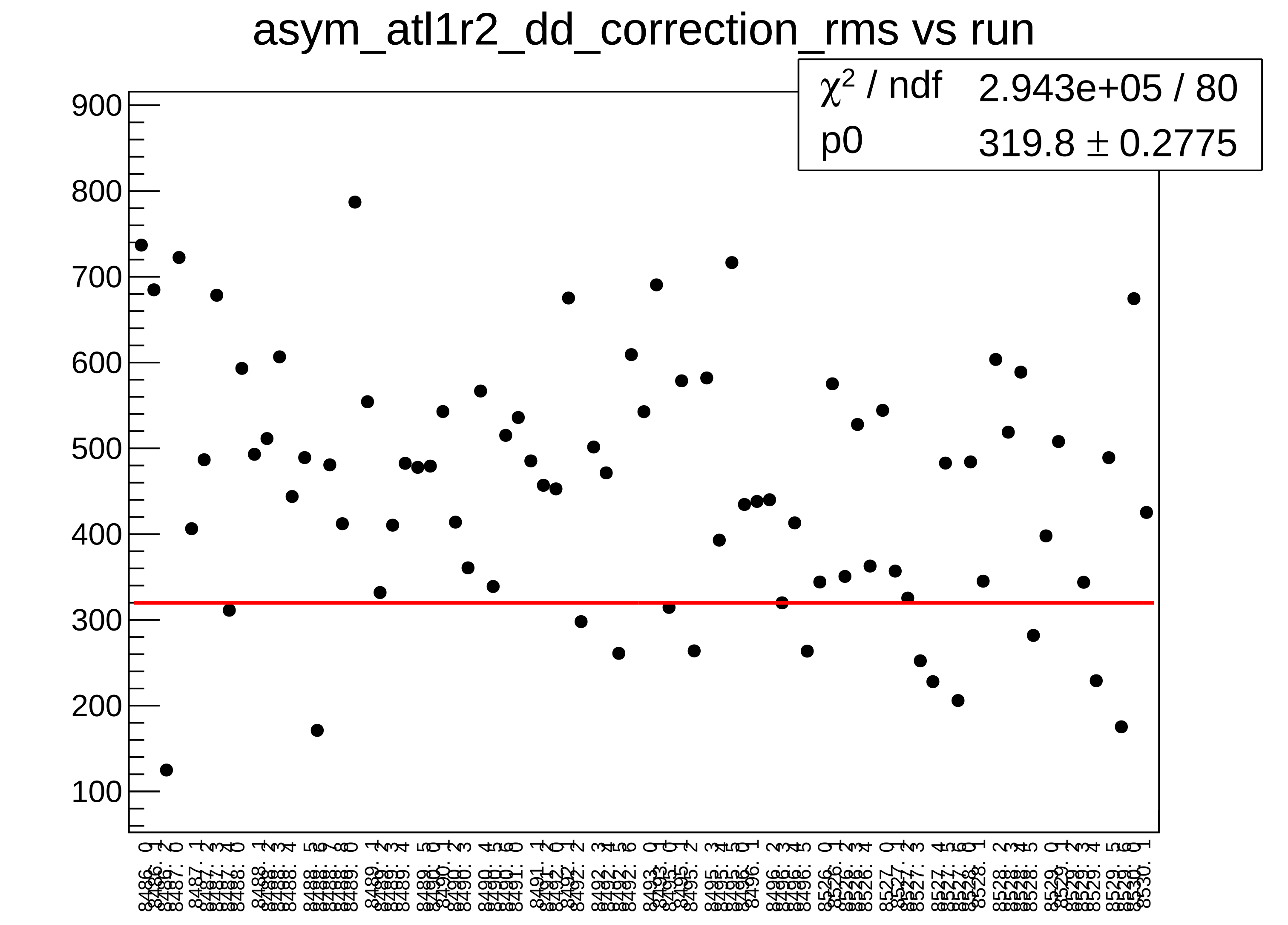
asym_atl1r2_avg_rms vs run
χ2 / ndf 81.66 / 80
p0 1.995e+04 ± 15.66
20400
20200
20000
19800
19600
19400

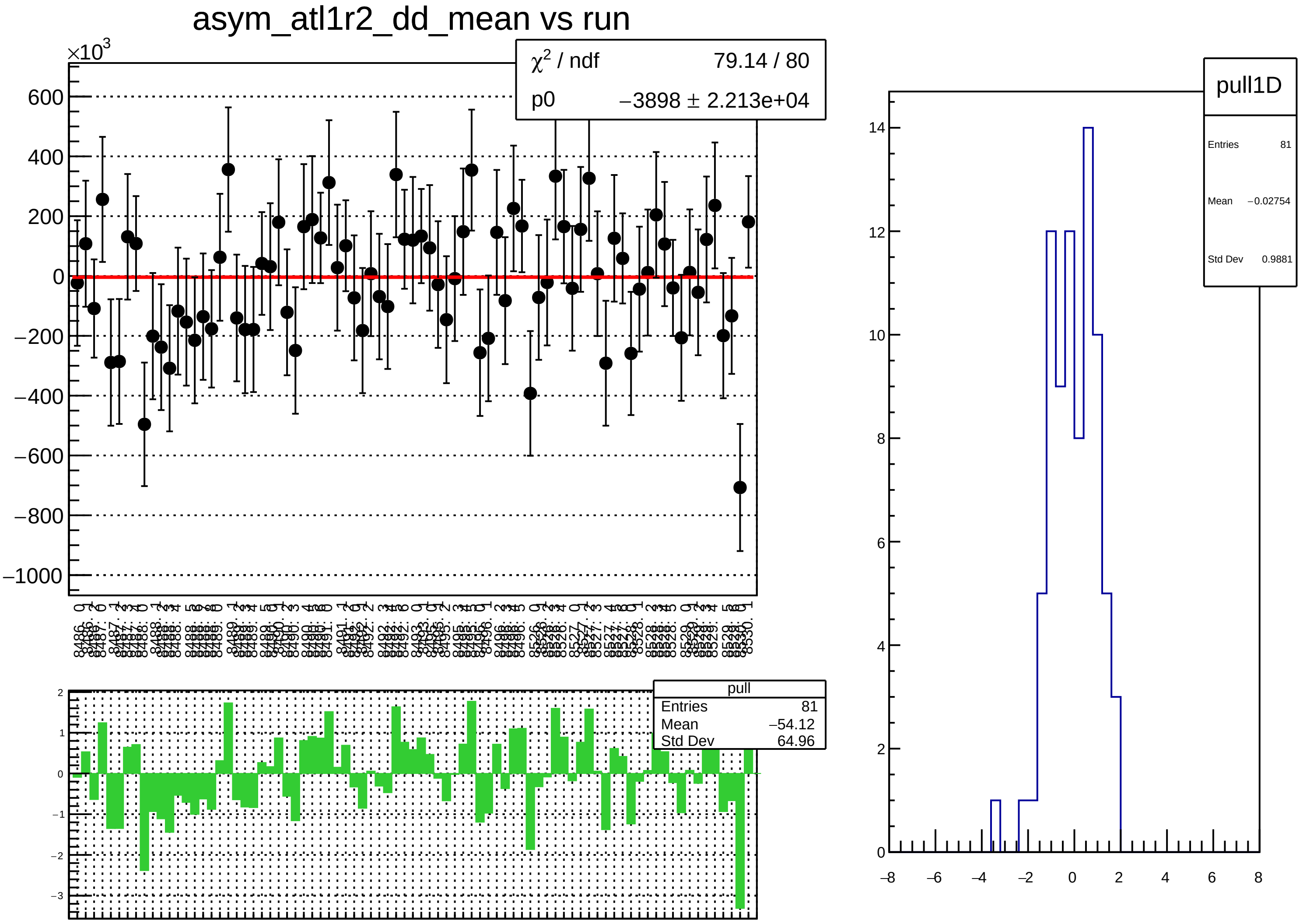


reg_asym_atl1r2_dd_mean vs run
$\times10^3$
χ^2 / ndf 79.58 / 80
p0 −4031 ± 2.212e+04
pull
Entries 81
Mean −53.05
Std Dev 63.2
pull1D
Entries 81
Mean −0.02756
Std Dev 0.9908

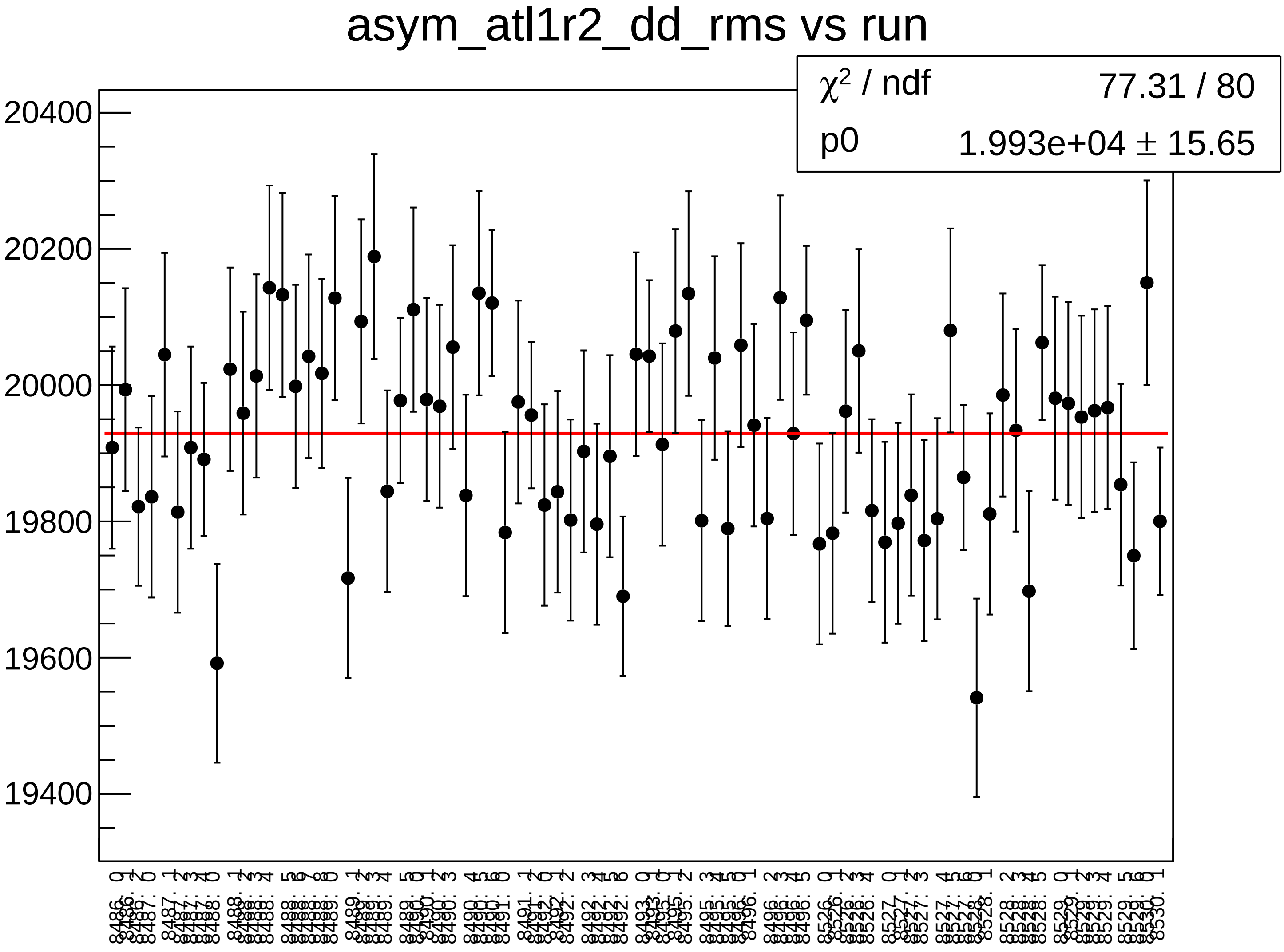

reg_asym_atl1r2_dd_rms vs run
χ2 / ndf 77.54 / 80
p0 1.992e+04 ± 15.64
20400
20200
20000
19800
19600
19400


asym_atl1r2_dd_correction_mean vs run
χ^2 / ndf 85.92 / 80
p0 −279.8 ± 392.5
pull
Entries 81
Mean −20.73
Std Dev 65.64
pull1D
Entries 81
Mean 0.03807
Std Dev 1.029

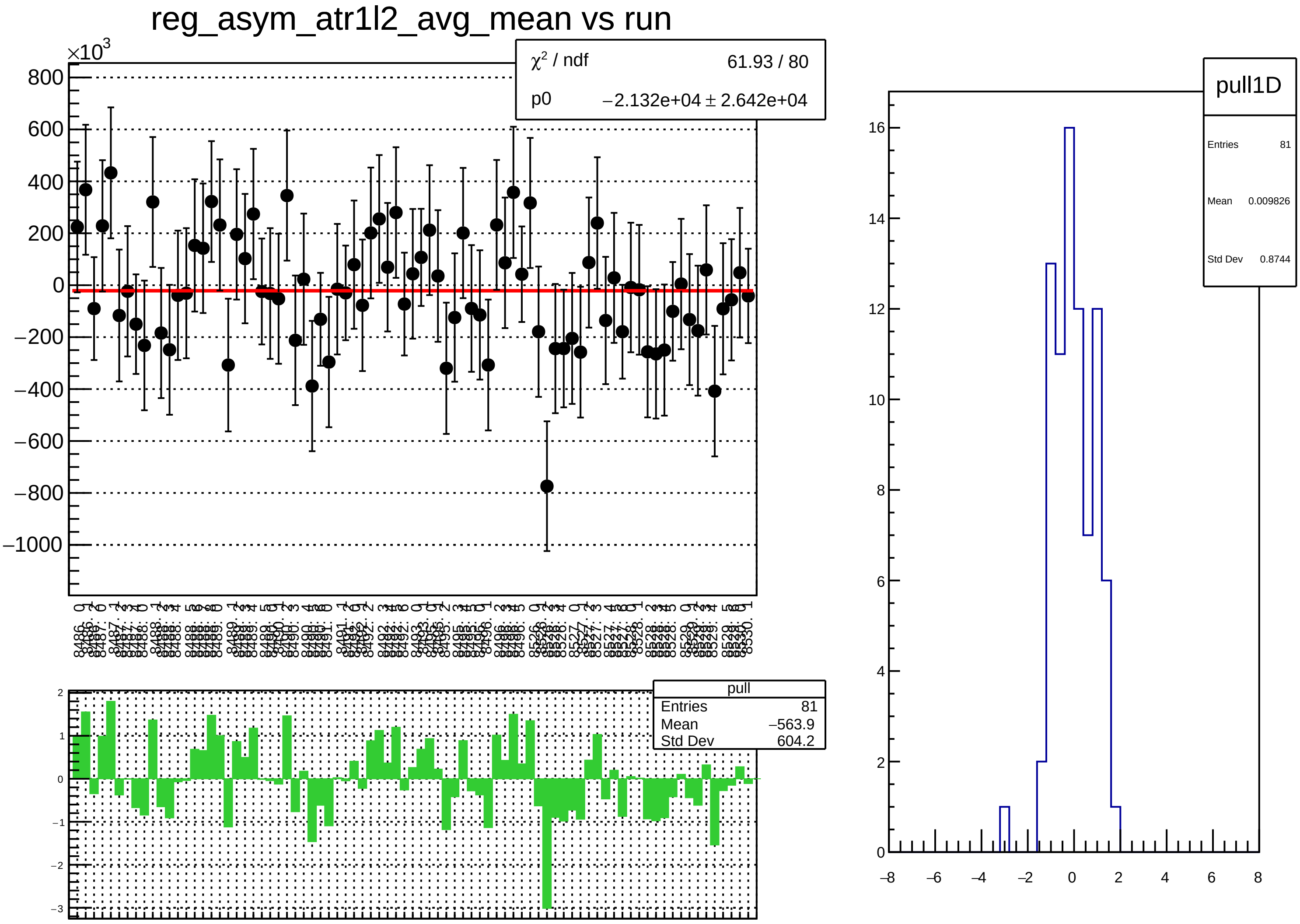

asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 2.943e+05 / 80
p0 319.8 ± 0.2775



asym_atl1r2_dd_mean vs run
×10^3
χ2 / ndf 79.14 / 80
p0 −3898 ± 2.213e+04
pull
Entries 81
Mean −54.12
Std Dev 64.96
pull1D
Entries 81
Mean −0.02754
Std Dev 0.9881

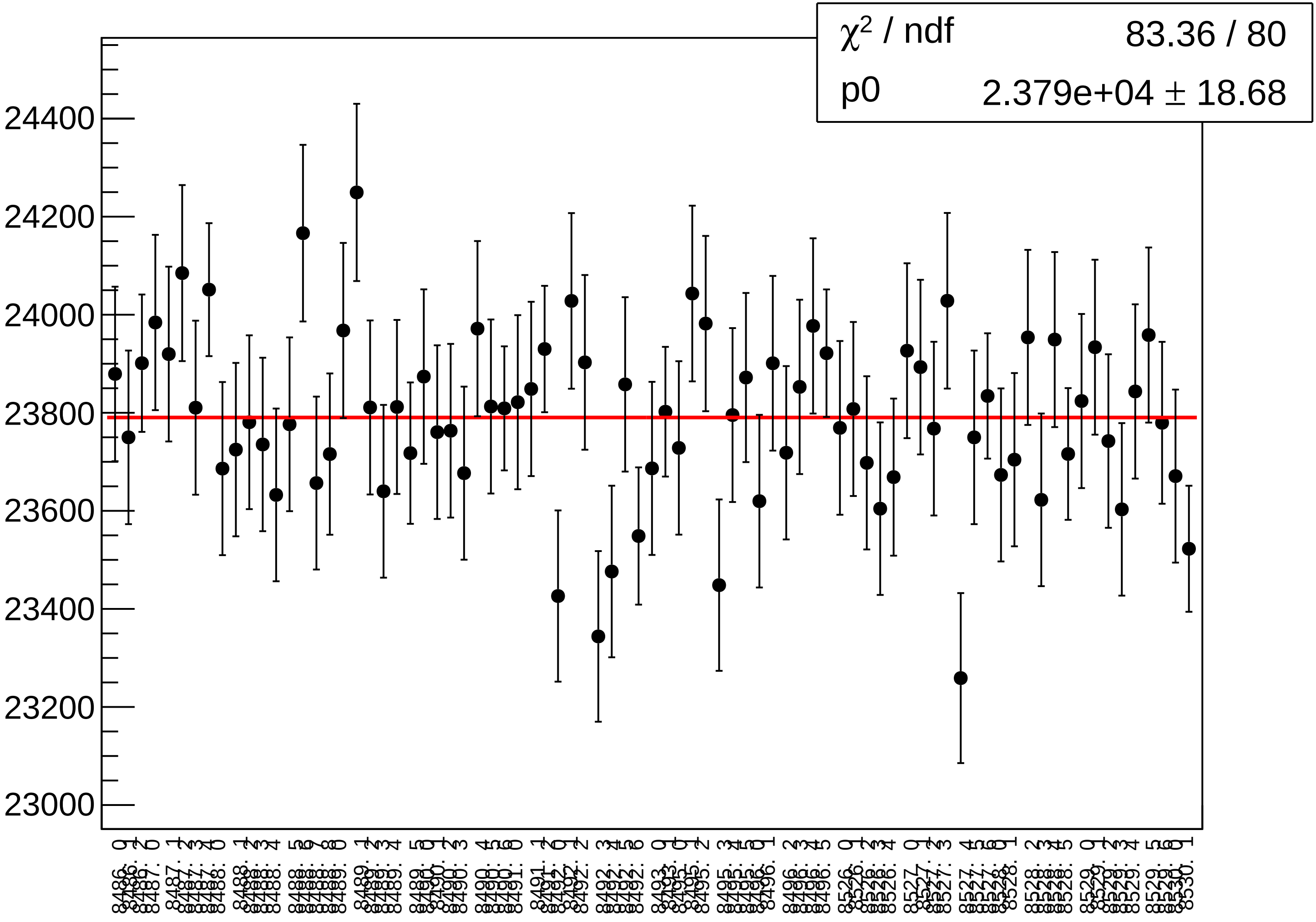


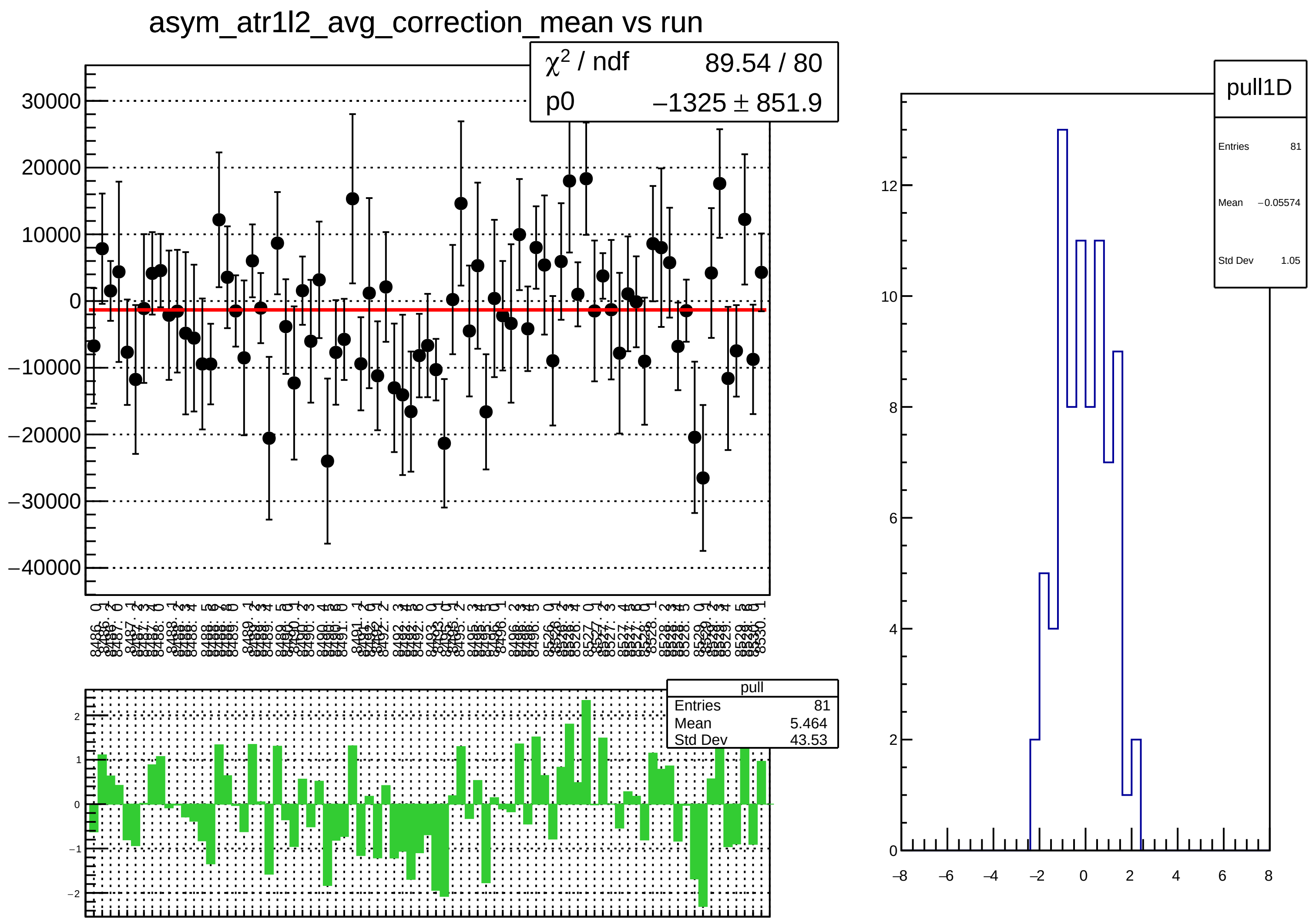
asym_atl1r2_dd_rms vs run
χ2 / ndf 77.31 / 80
p0 1.993e+04 ± 15.65
20400
20200
20000
19800
19600
19400



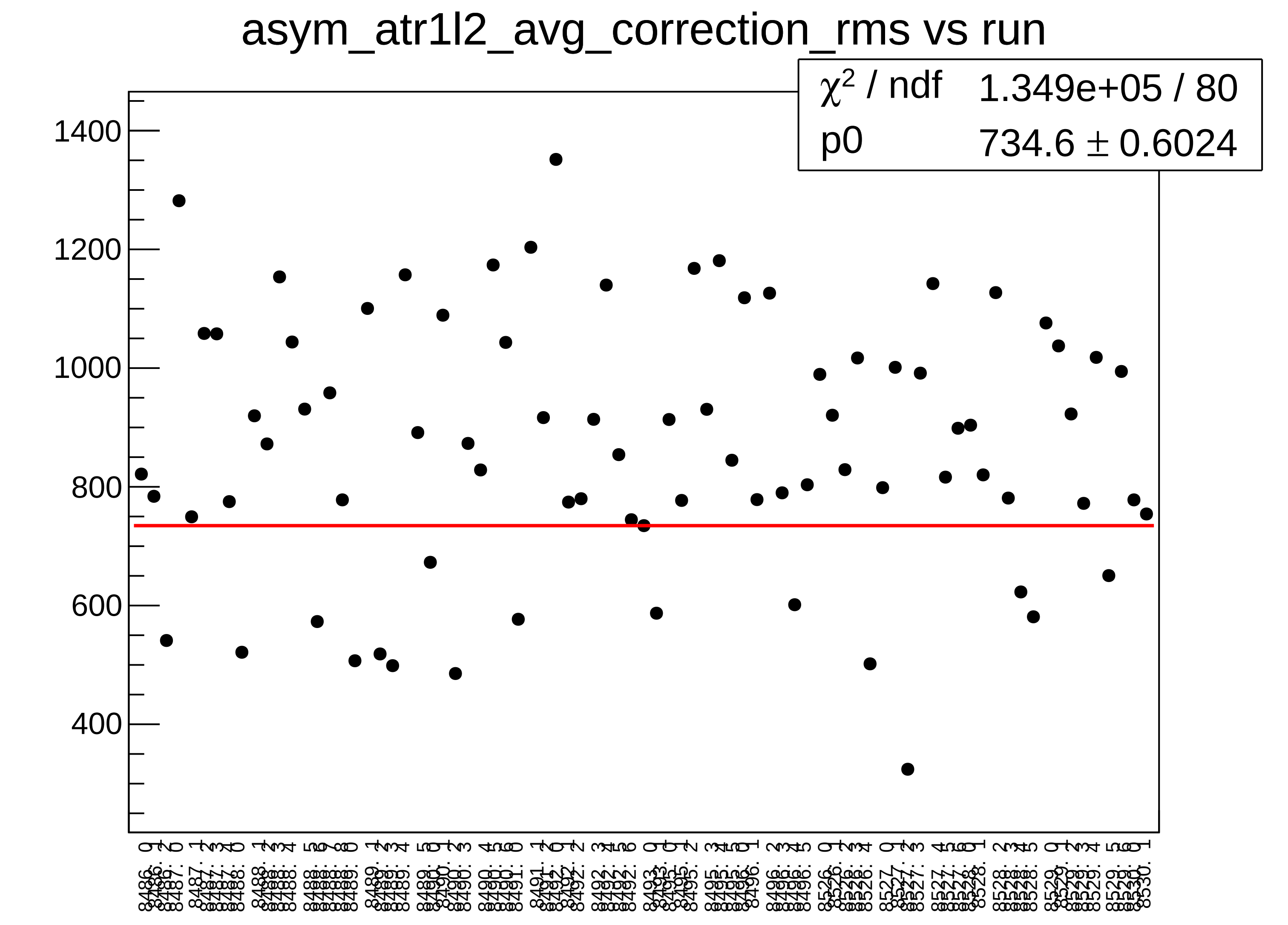
reg_asym_atr1l2_avg_mean vs run
χ^2 / ndf 61.93 / 80
p0 −2.132e+04 ± 2.642e+04
pull
Entries 81
Mean −563.9
Std Dev 604.2
pull1D
Entries 81
Mean 0.009826
Std Dev 0.8744

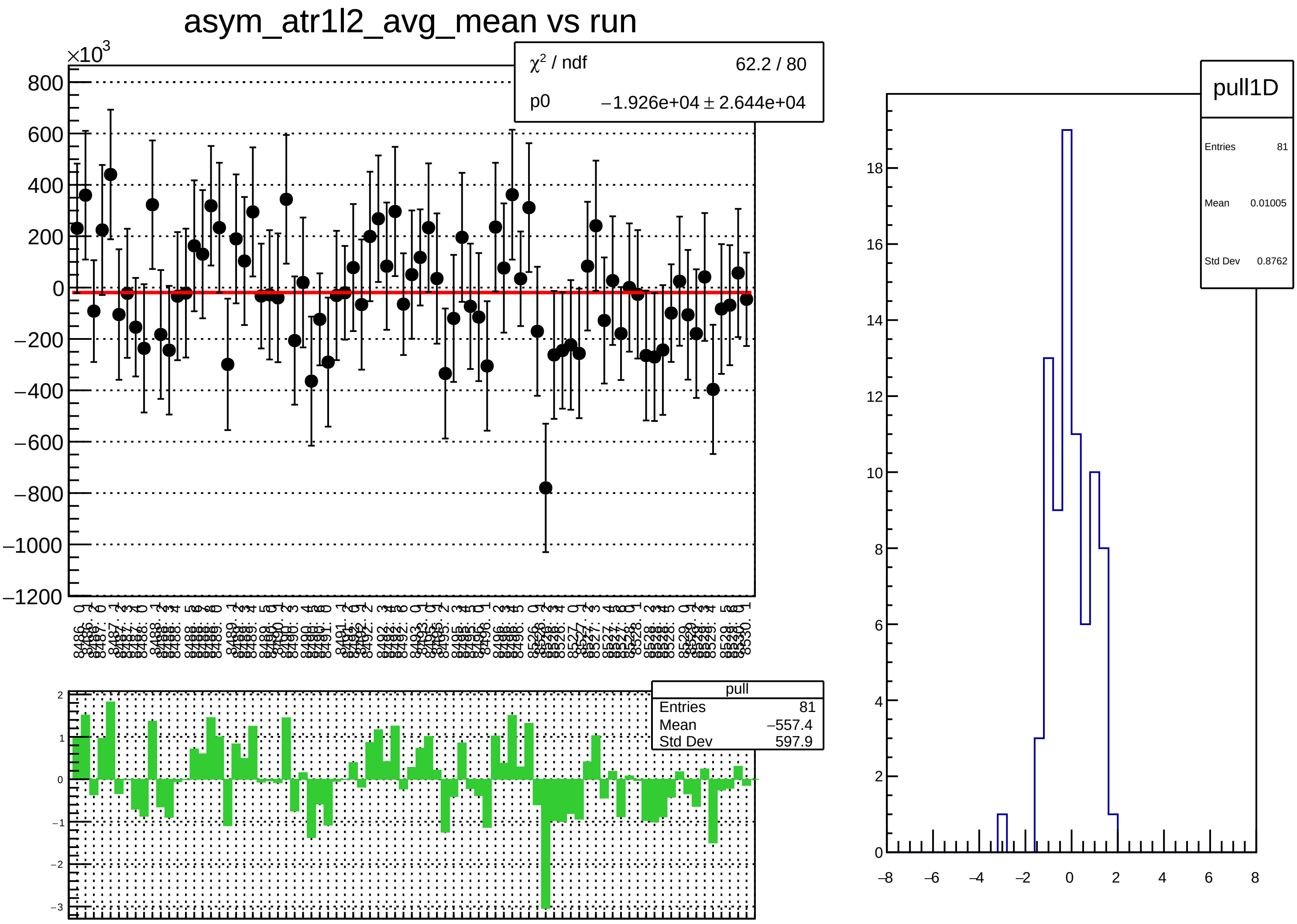
reg_asym_atr1l2_avg_rms vs run



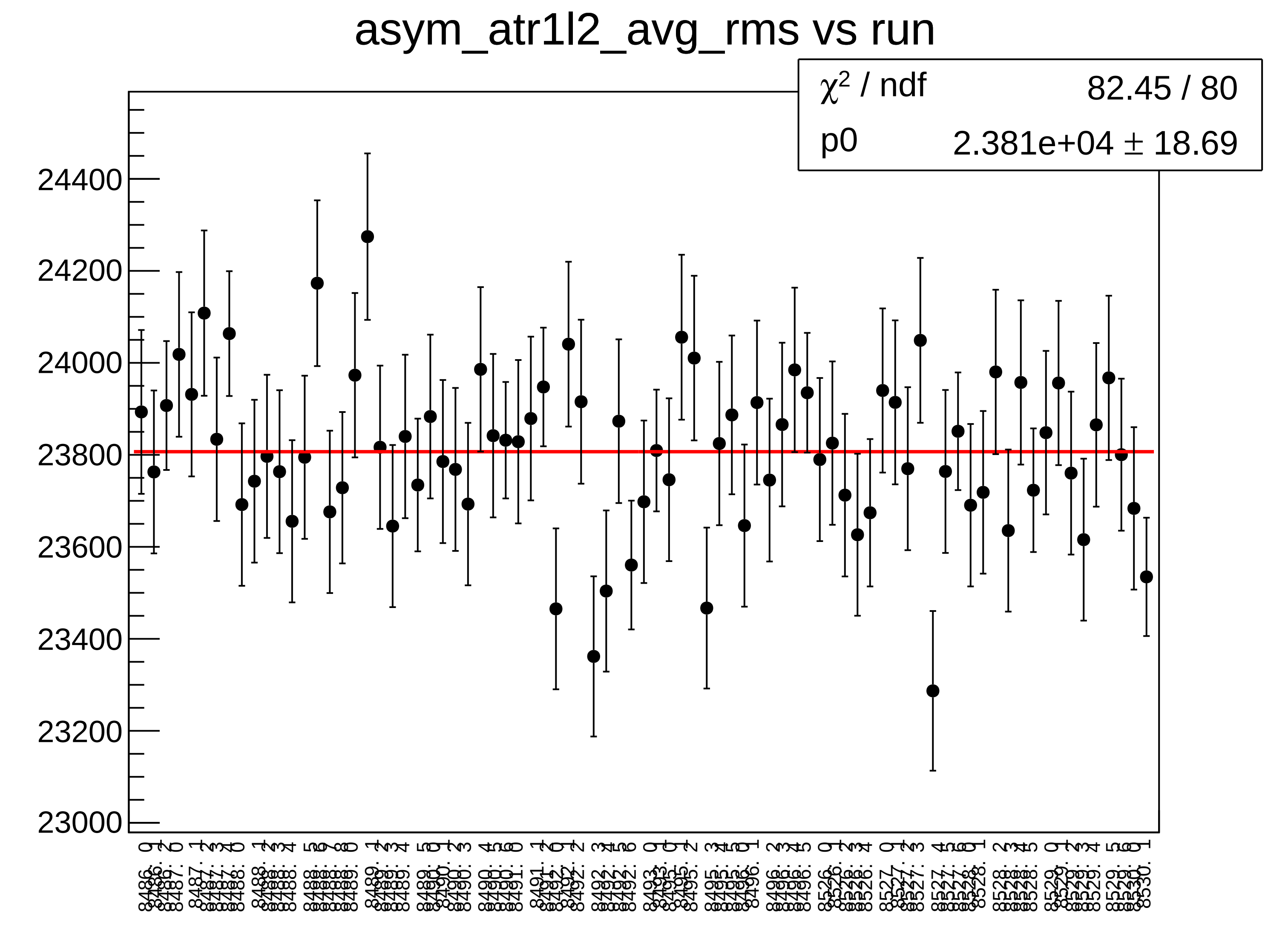


asym_atr1l2_avg_correction_mean vs run
χ^2 / ndf 89.54 / 80
p0 −1325 ± 851.9
pull
Entries 81
Mean 5.464
Std Dev 43.53
pull1D
Entries 81
Mean −0.05574
Std Dev 1.05

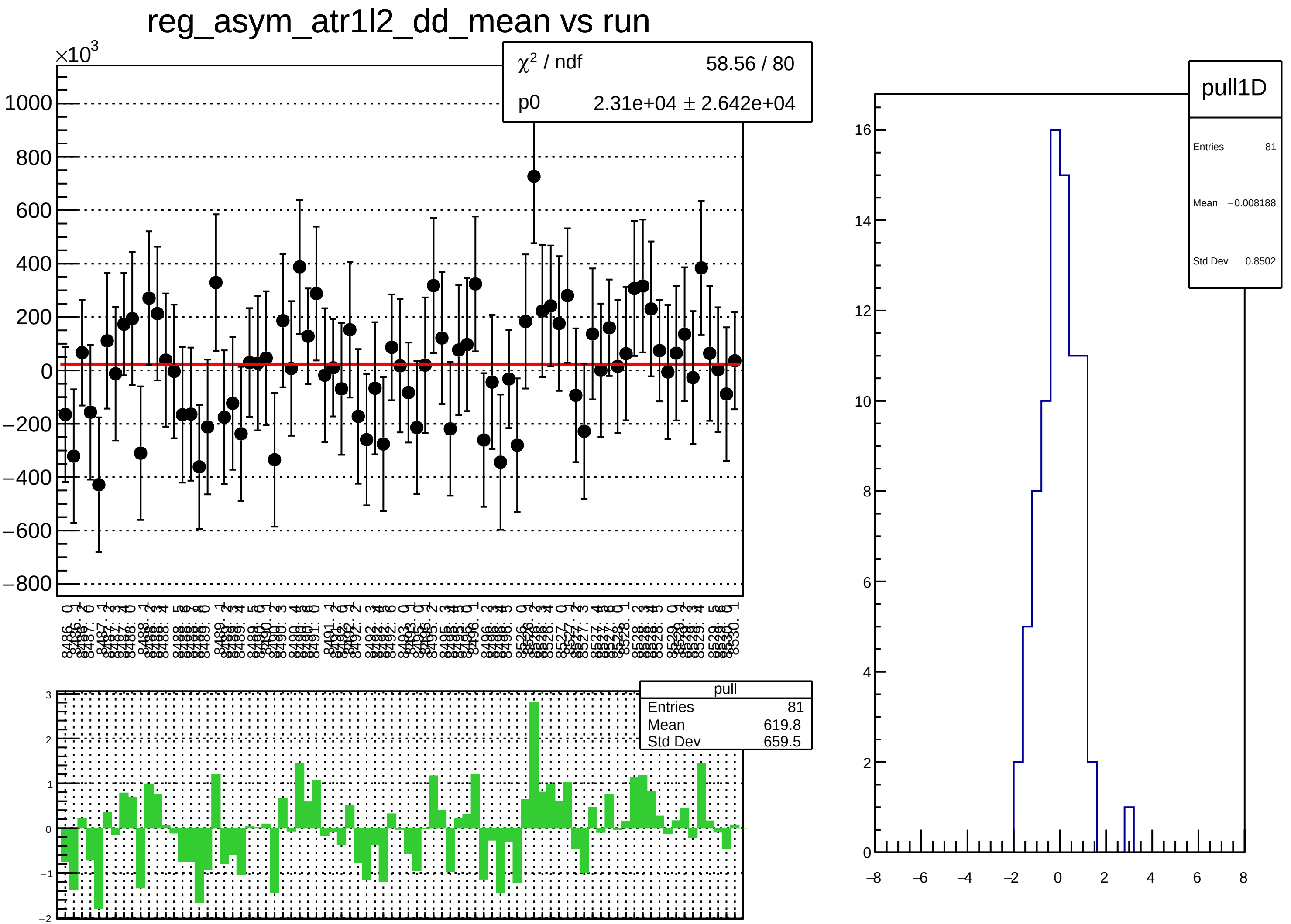

asym_atr1l2_avg_correction_rms vs run
χ2 / ndf 1.349e+05 / 80
p0 734.6 ± 0.6024



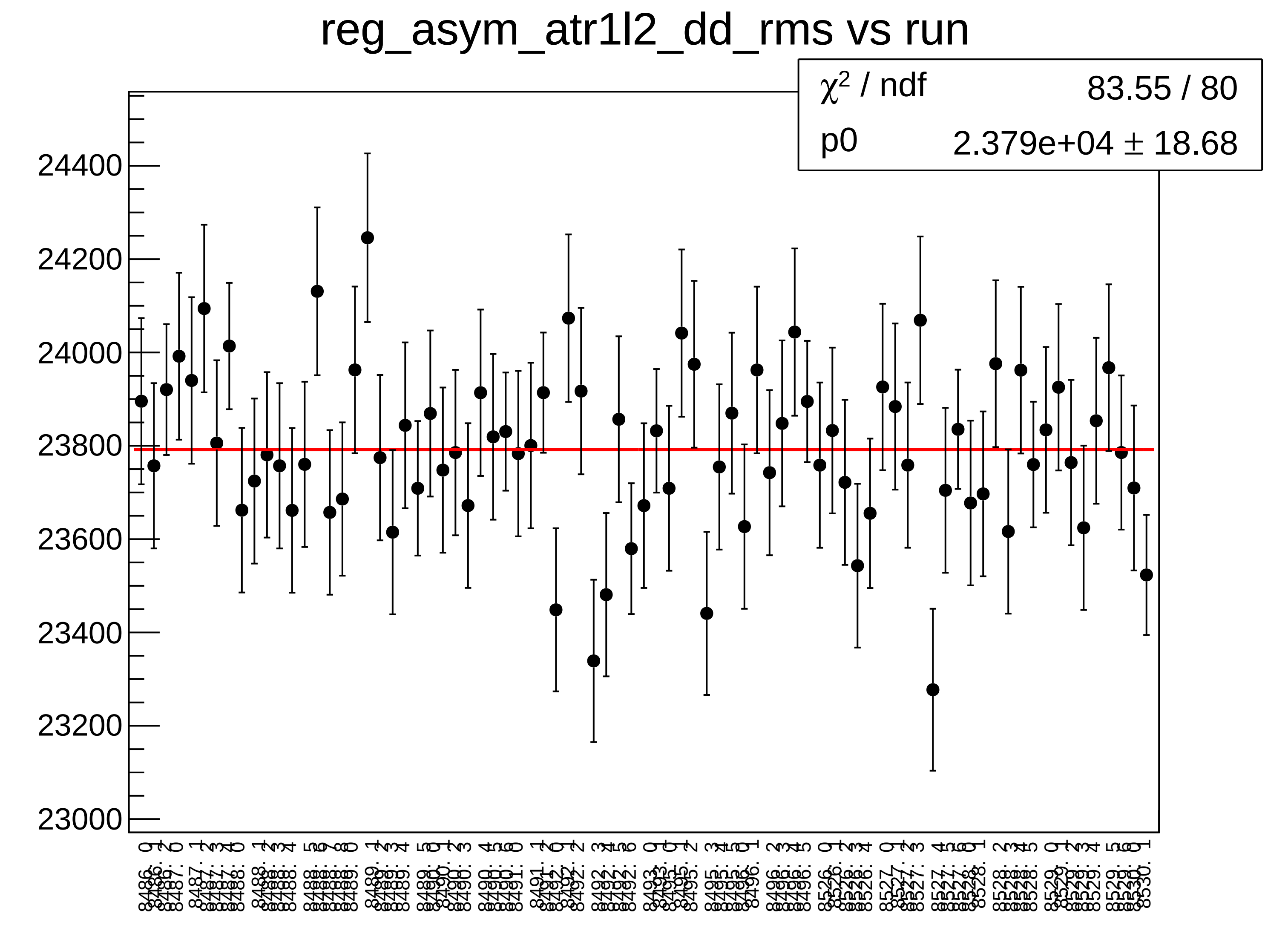
asym_atr1l2_avg_mean vs run
$\times10^3$
χ^2 / ndf 62.2 / 80
p0 −1.926e+04 ± 2.644e+04
pull
Entries 81
Mean −557.4
Std Dev 597.9
pull1D
Entries 81
Mean 0.01005
Std Dev 0.8762

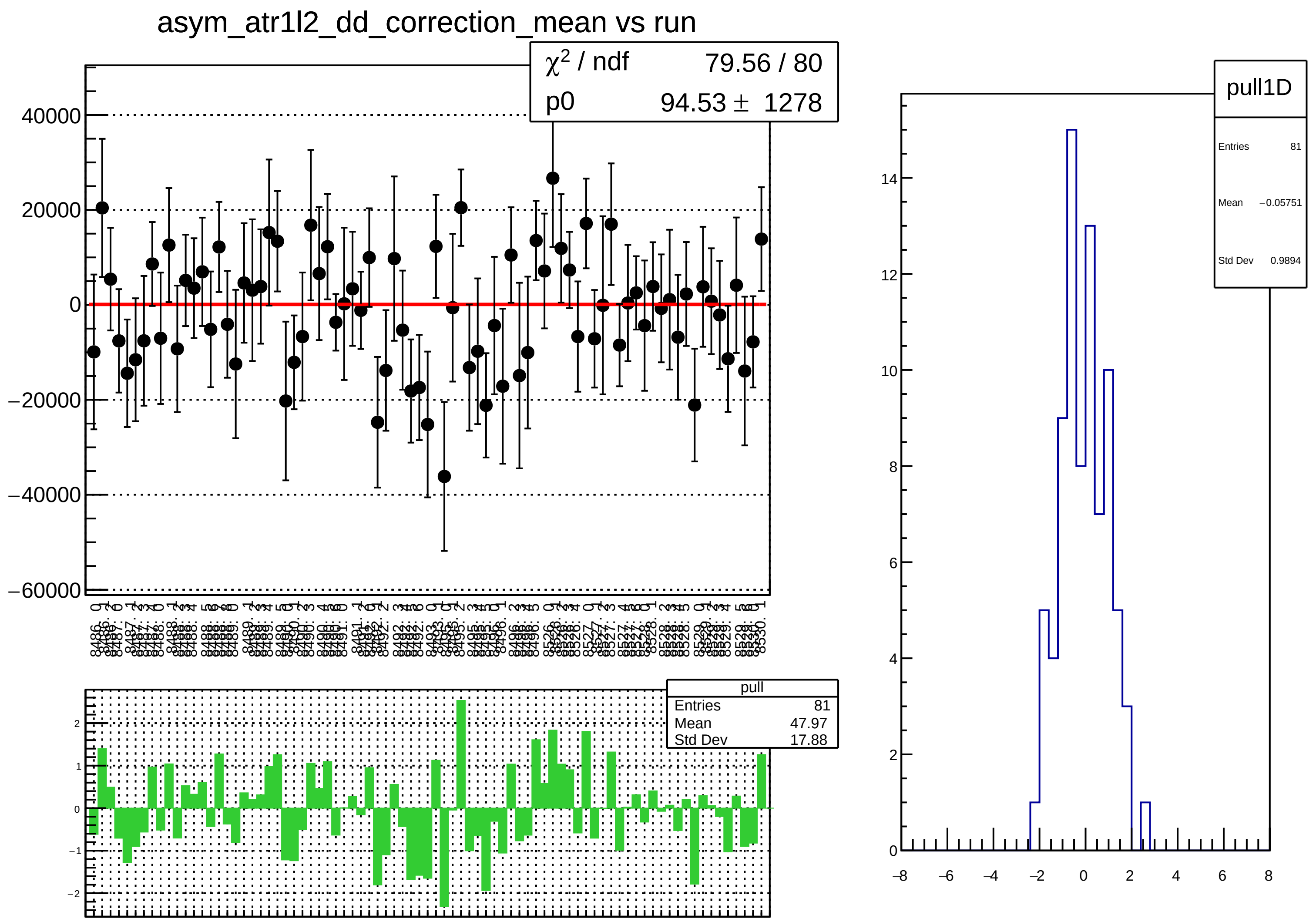


asym_atr1l2_avg_rms vs run
χ2 / ndf 82.45 / 80
p0 2.381e+04 ± 18.69
24400
24200
24000
23800
23600
23400
23200
23000

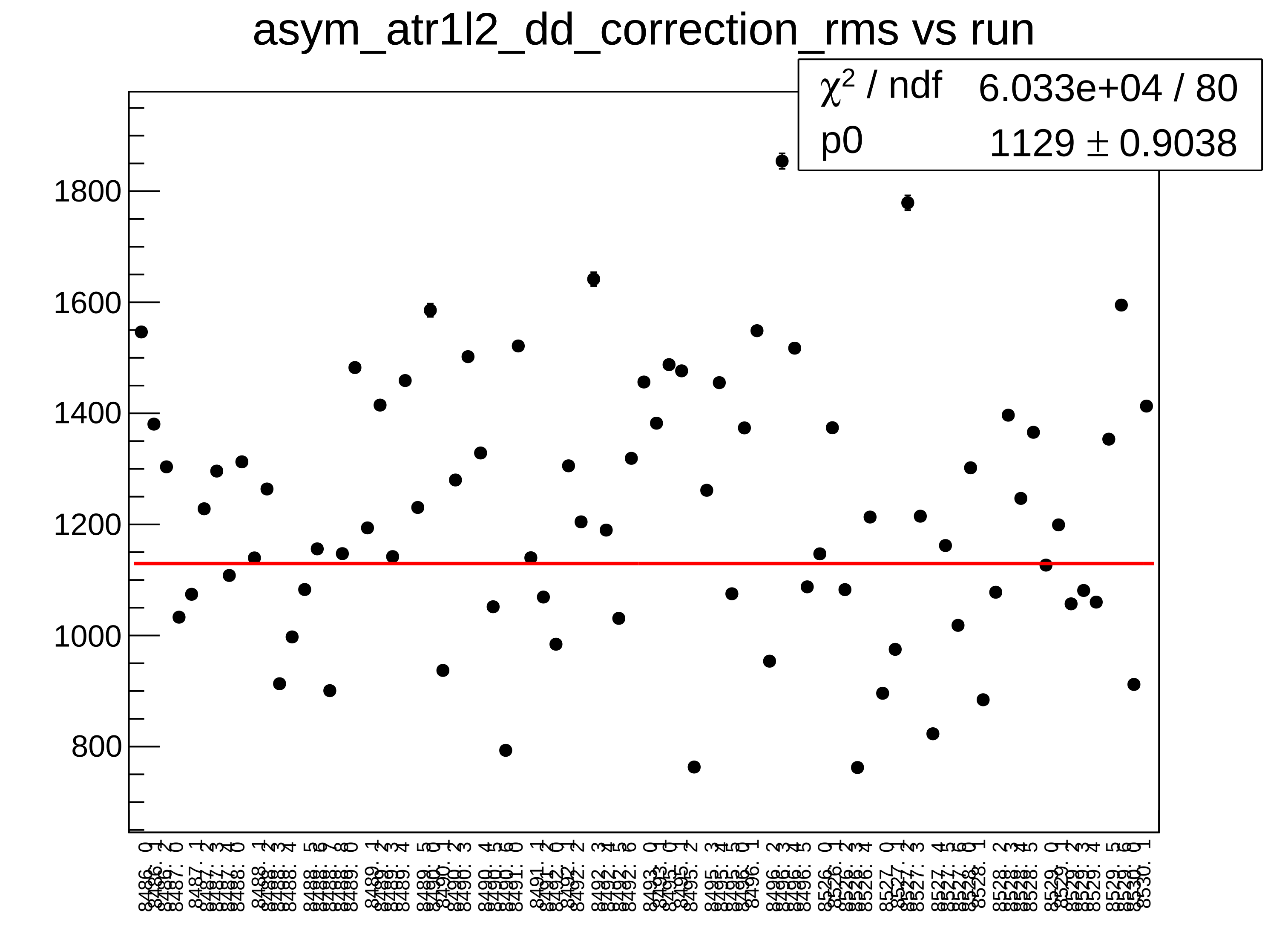


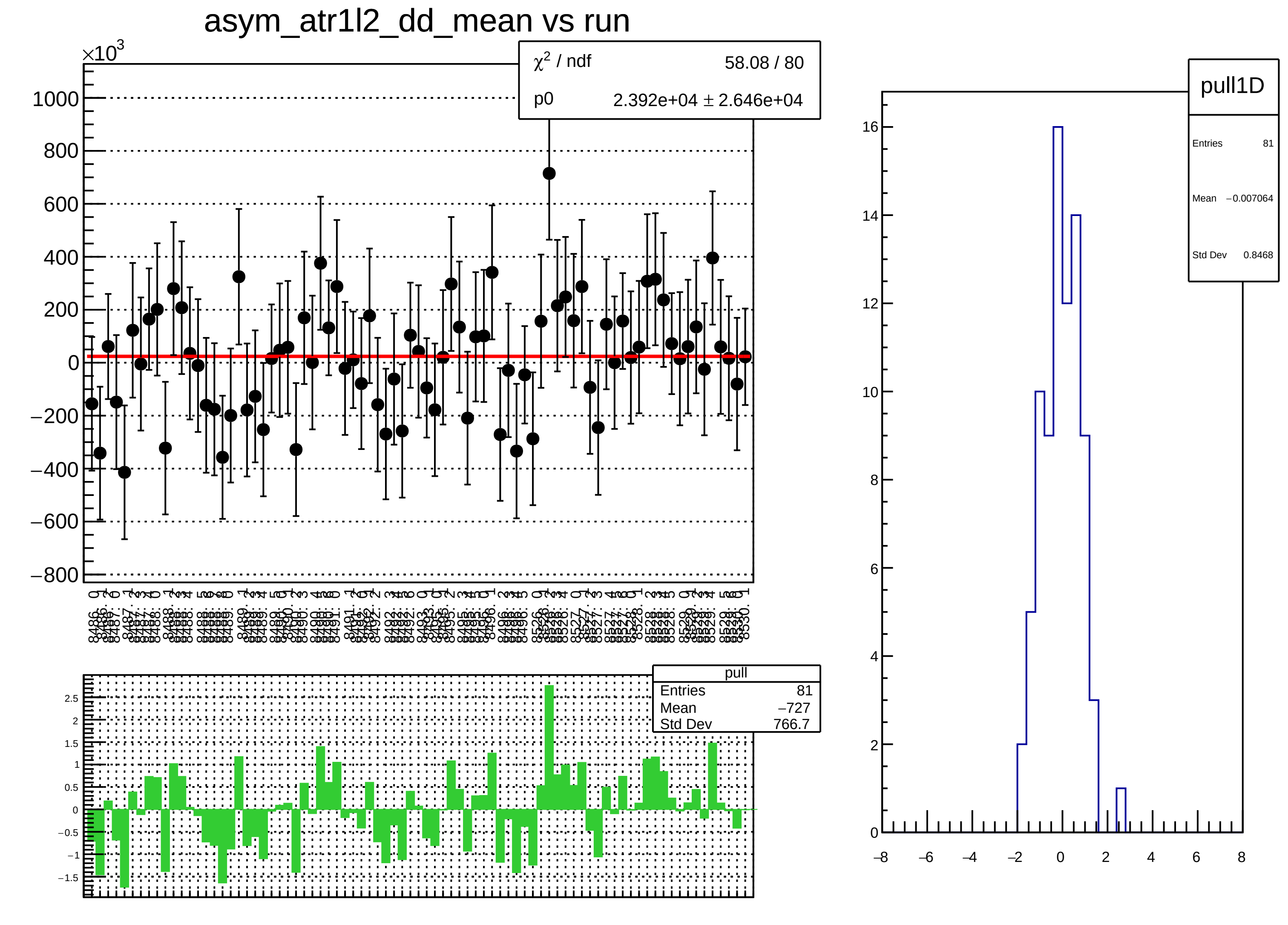
reg_asym_atr1l2_dd_mean vs run
$\times10^3$
χ^2 / ndf 58.56 / 80
p0 2.31e+04 ± 2.642e+04
pull
Entries 81
Mean −619.8
Std Dev 659.5
pull1D
Entries 81
Mean −0.008188
Std Dev 0.8502


reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 83.55 / 80
p0 2.379e+04 ± 18.68
24400
24200
24000
23800
23600
23400
23200
23000

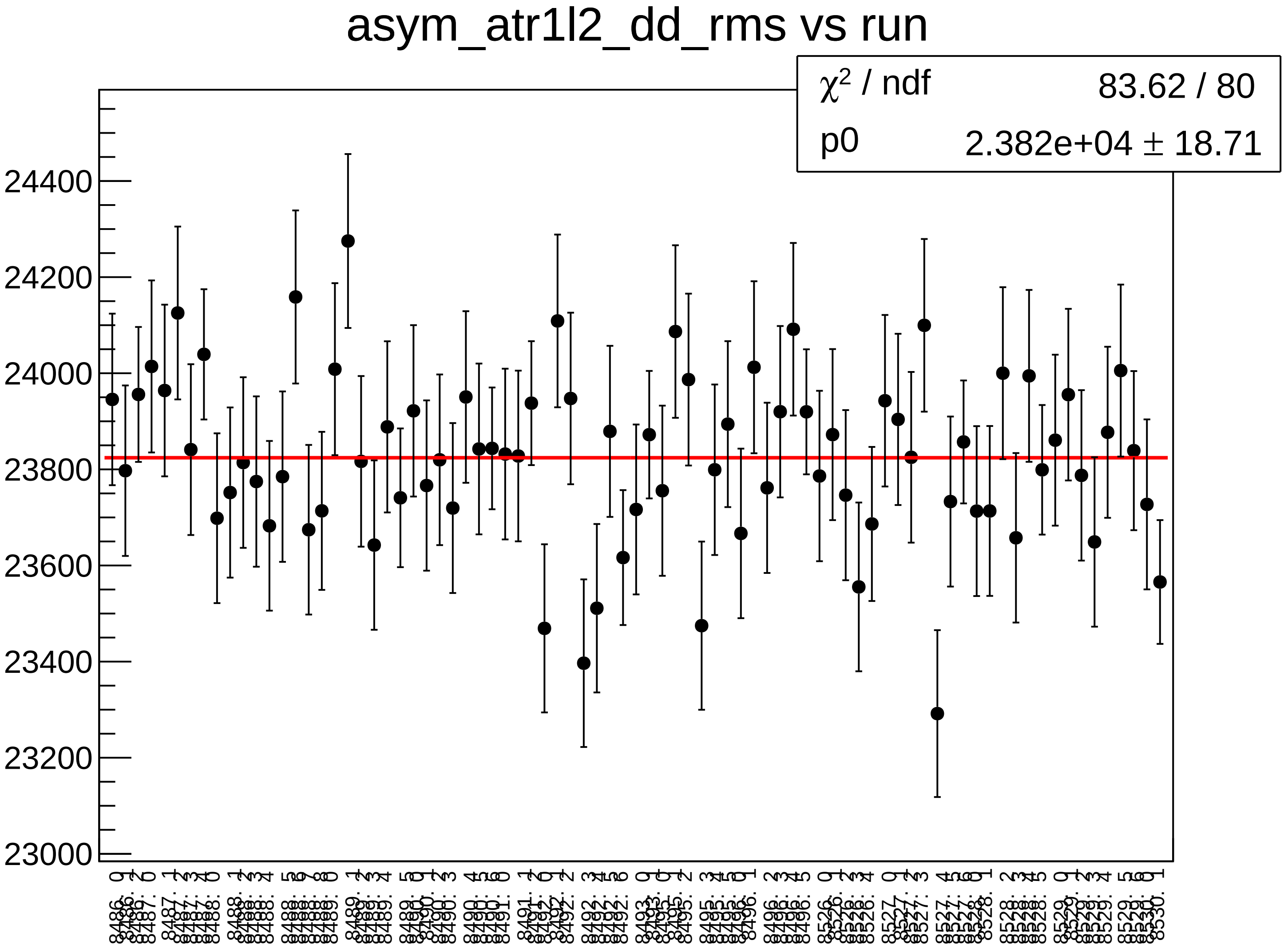


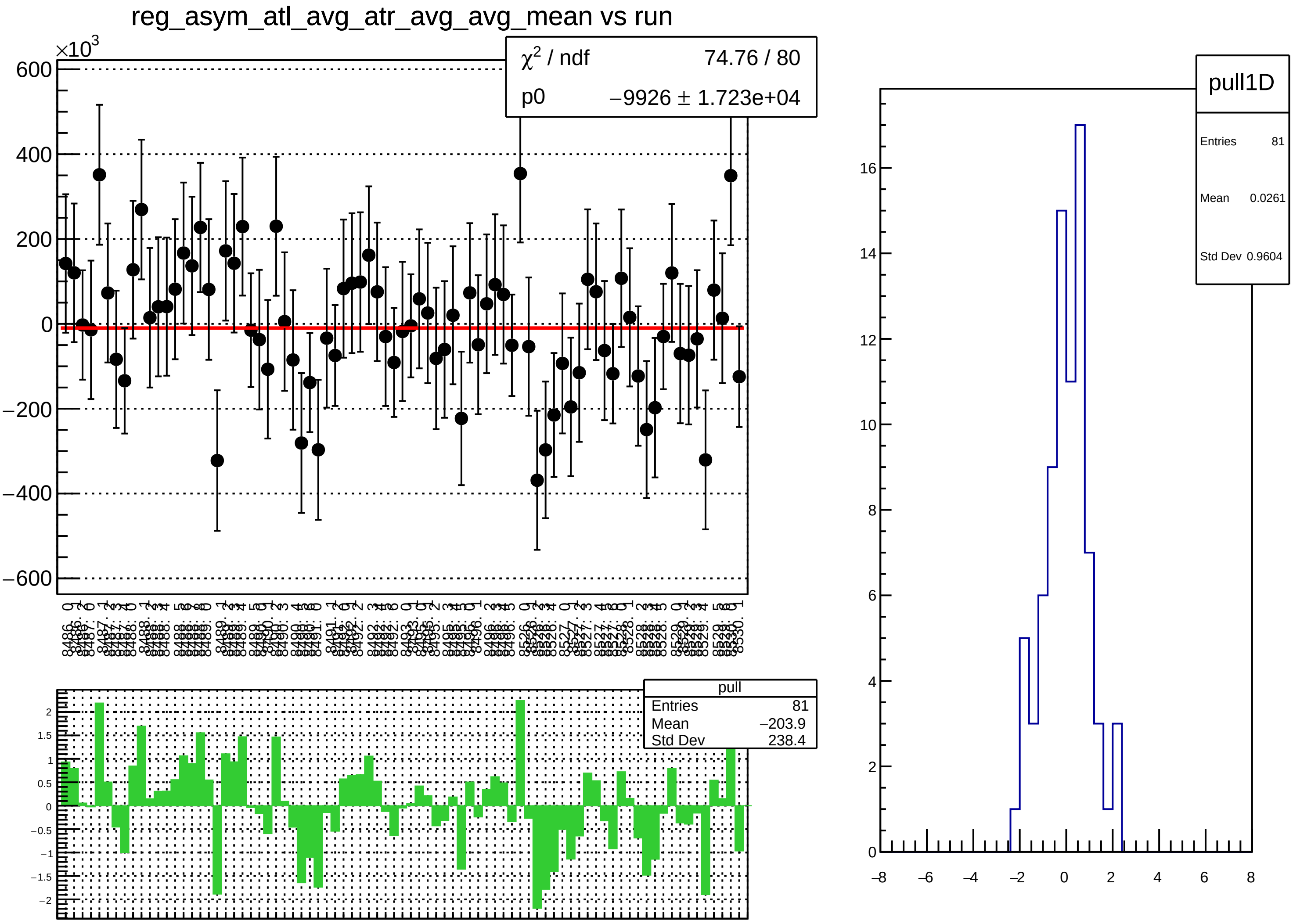
asym_atr1l2_dd_correction_mean vs run
χ^2 / ndf 79.56 / 80
p0 94.53 ± 1278
pull
Entries 81
Mean 47.97
Std Dev 17.88
pull1D
Entries 81
Mean −0.05751
Std Dev 0.9894


asym_atr1l2_dd_correction_rms vs run
χ2 / ndf 6.033e+04 / 80
p0 1129 ± 0.9038
1800
1600
1400
1200
1000
800



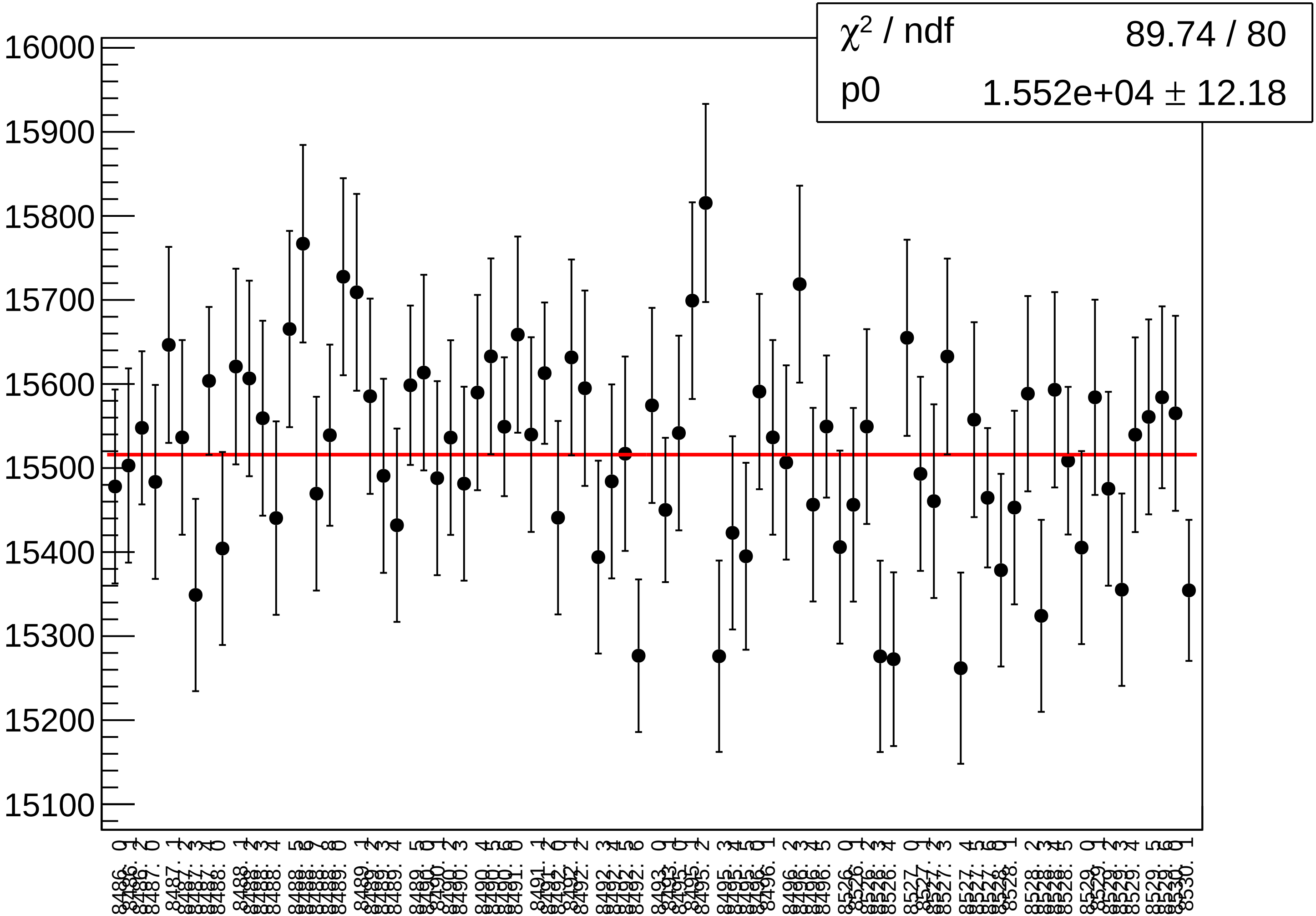
asym_atr1l2_dd_mean vs run
×10^3
χ2 / ndf 58.08 / 80
p0 2.392e+04 ± 2.646e+04
pull
Entries 81
Mean −727
Std Dev 766.7
pull1D
Entries 81
Mean −0.007064
Std Dev 0.8468

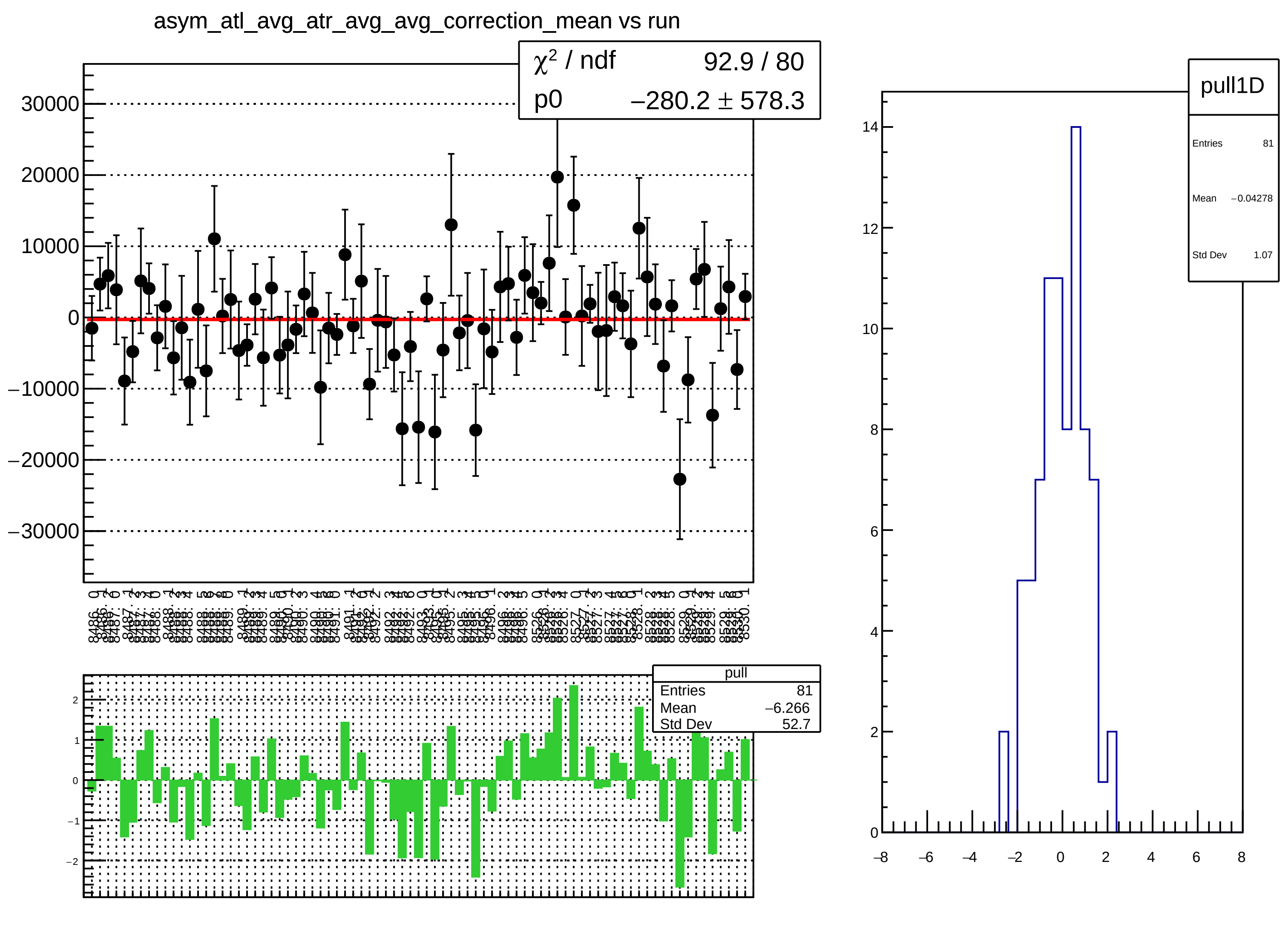

asym_atr1l2_dd_rms vs run
χ2 / ndf 83.62 / 80
p0 2.382e+04 ± 18.71
24400
24200
24000
23800
23600
23400
23200
23000



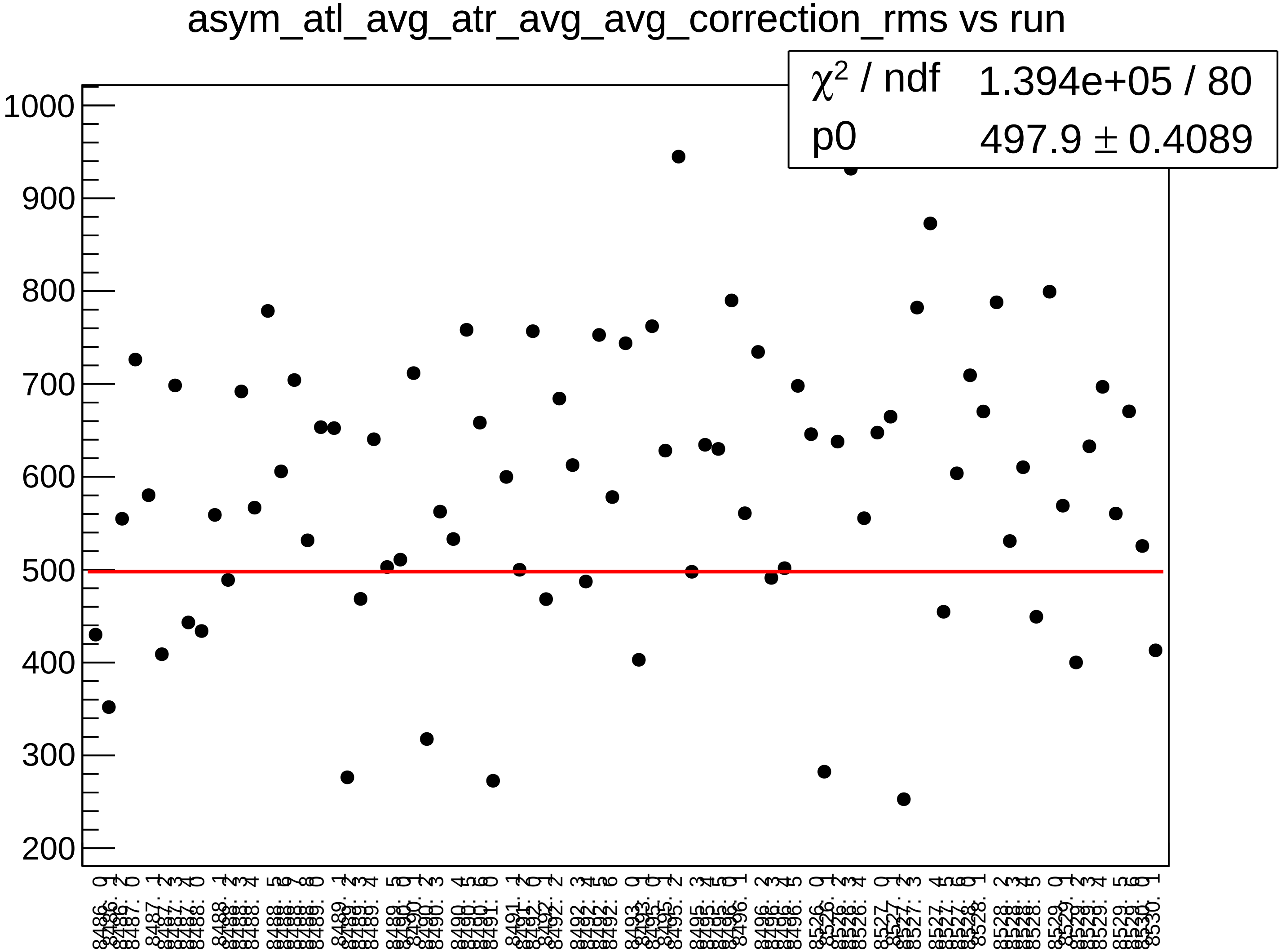
reg_asym_atl_avg_atr_avg_avg_mean vs run
χ2 / ndf 74.76 / 80
p0 −9926 ± 1.723e+04
pull
Entries 81
Mean −203.9
Std Dev 238.4
pull1D
Entries 81
Mean 0.0261
Std Dev 0.9604

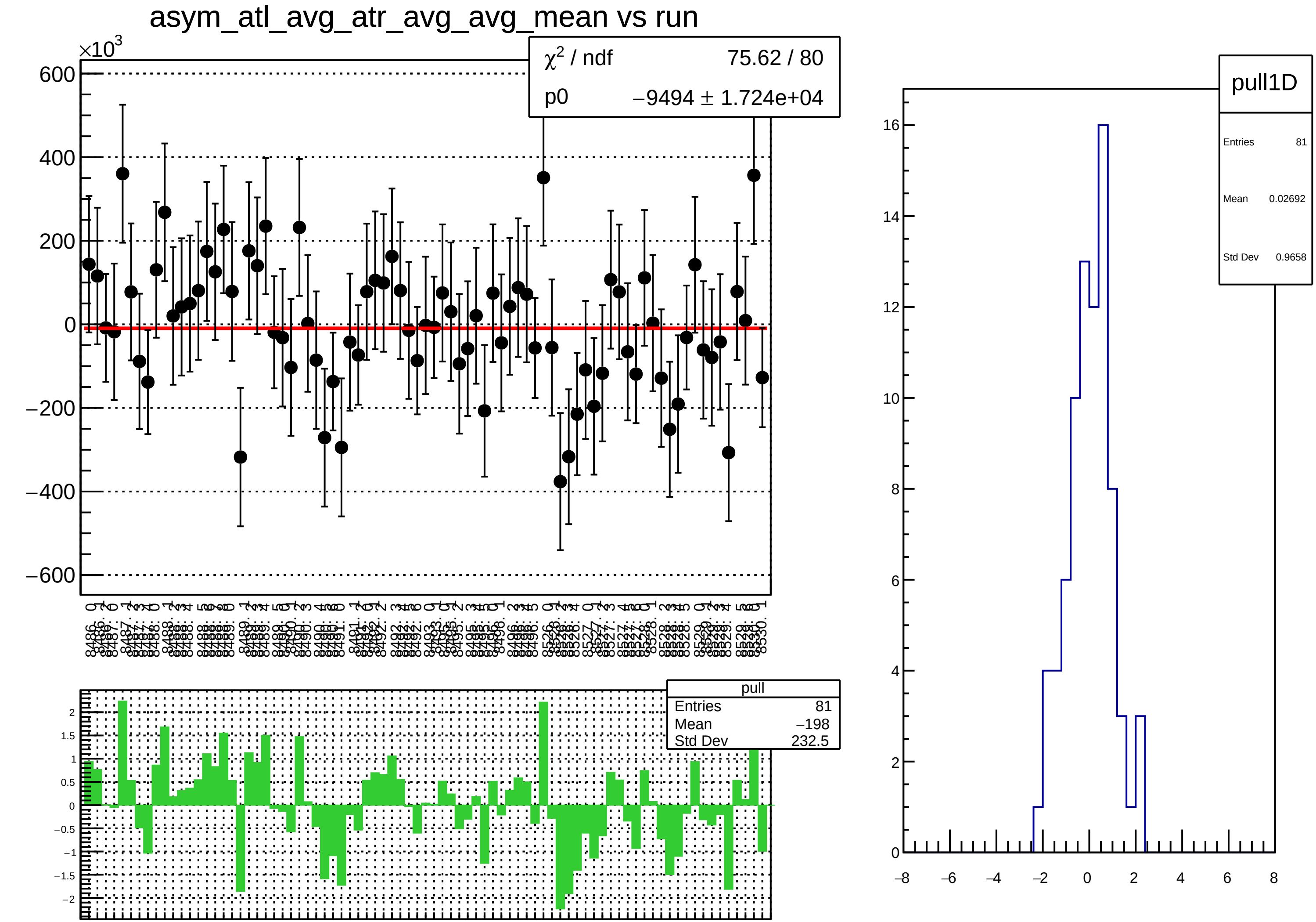
reg_asym_atl_avg_atr_avg_avg_rms vs run



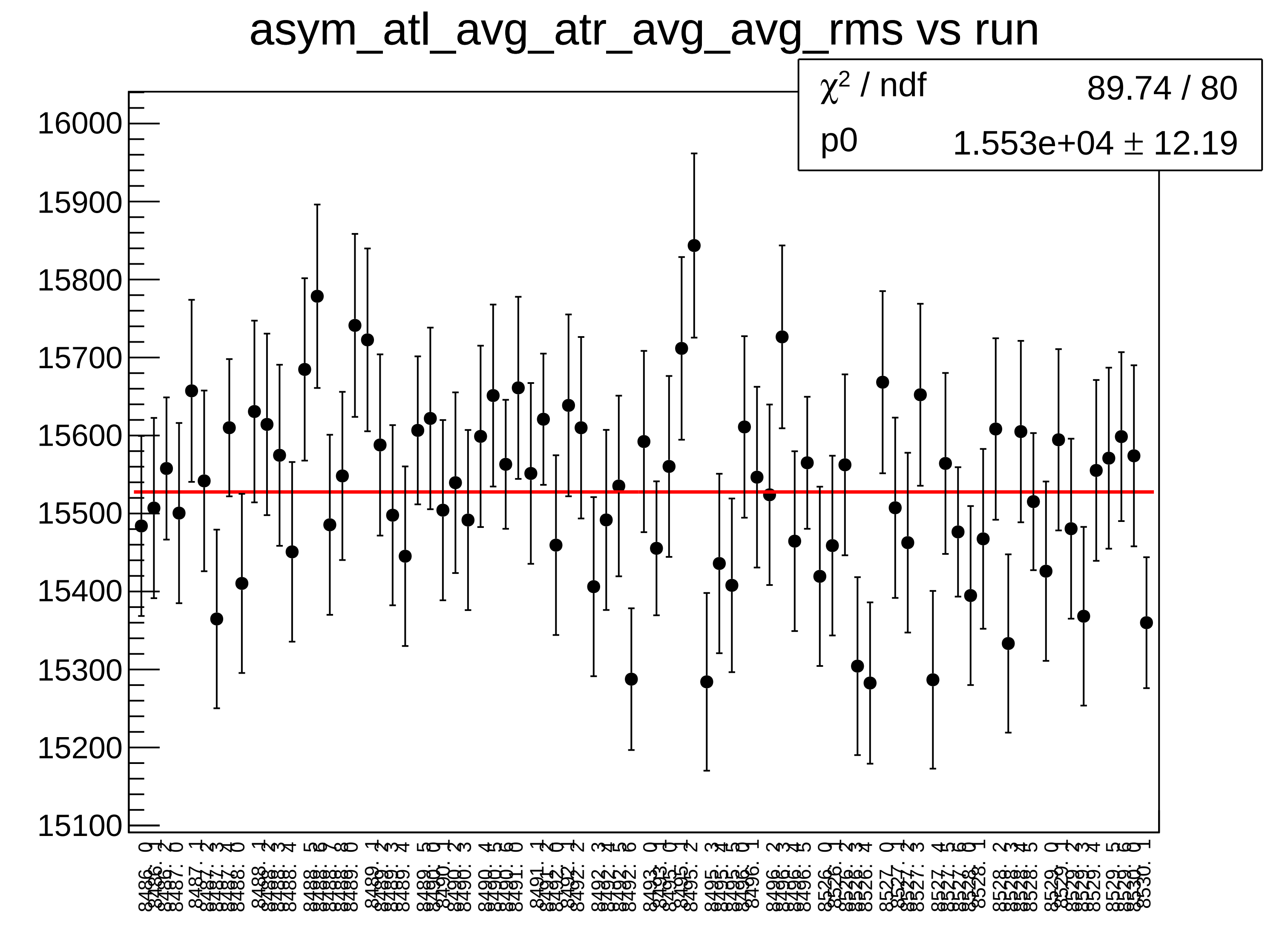


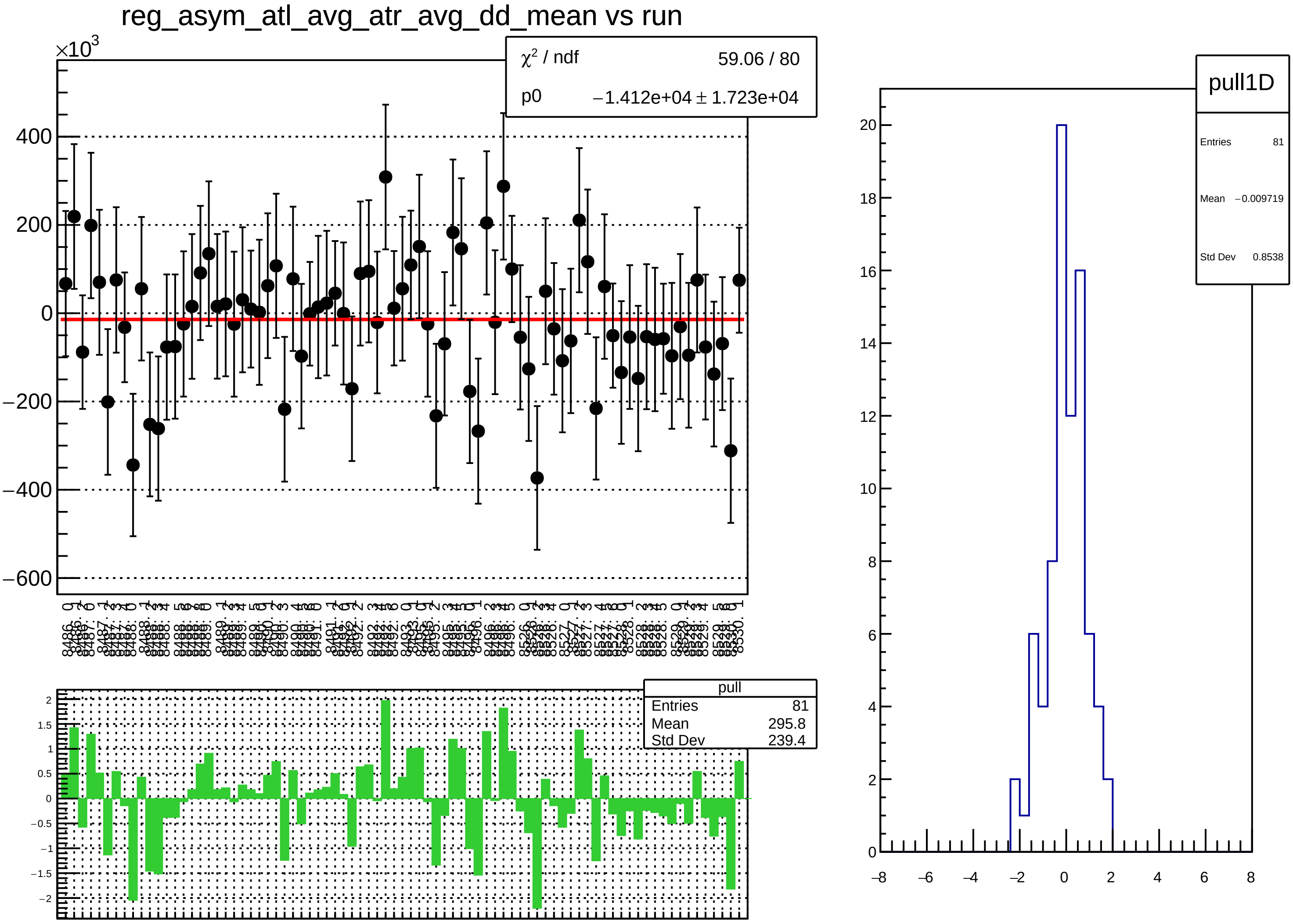
asym_atl_avg_atr_avg_avg_correction_mean vs run
χ^2 / ndf 92.9 / 80
p0 −280.2 ± 578.3
pull
Entries 81
Mean −6.266
Std Dev 52.7
pull1D
Entries 81
Mean −0.04278
Std Dev 1.07


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 1.394e+05 / 80
p0 497.9 ± 0.4089
1000
900
800
700
600
500
400
300
200

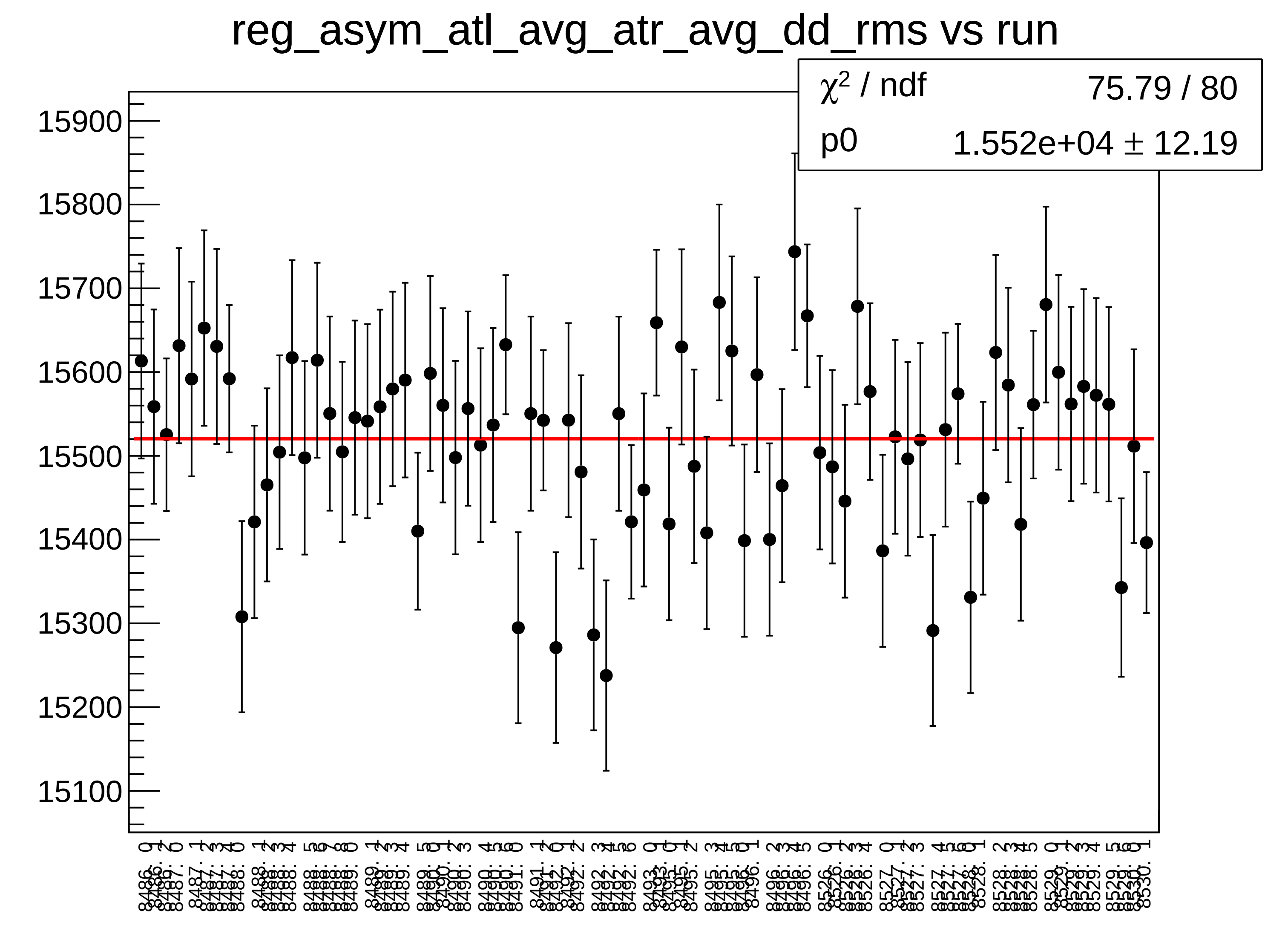


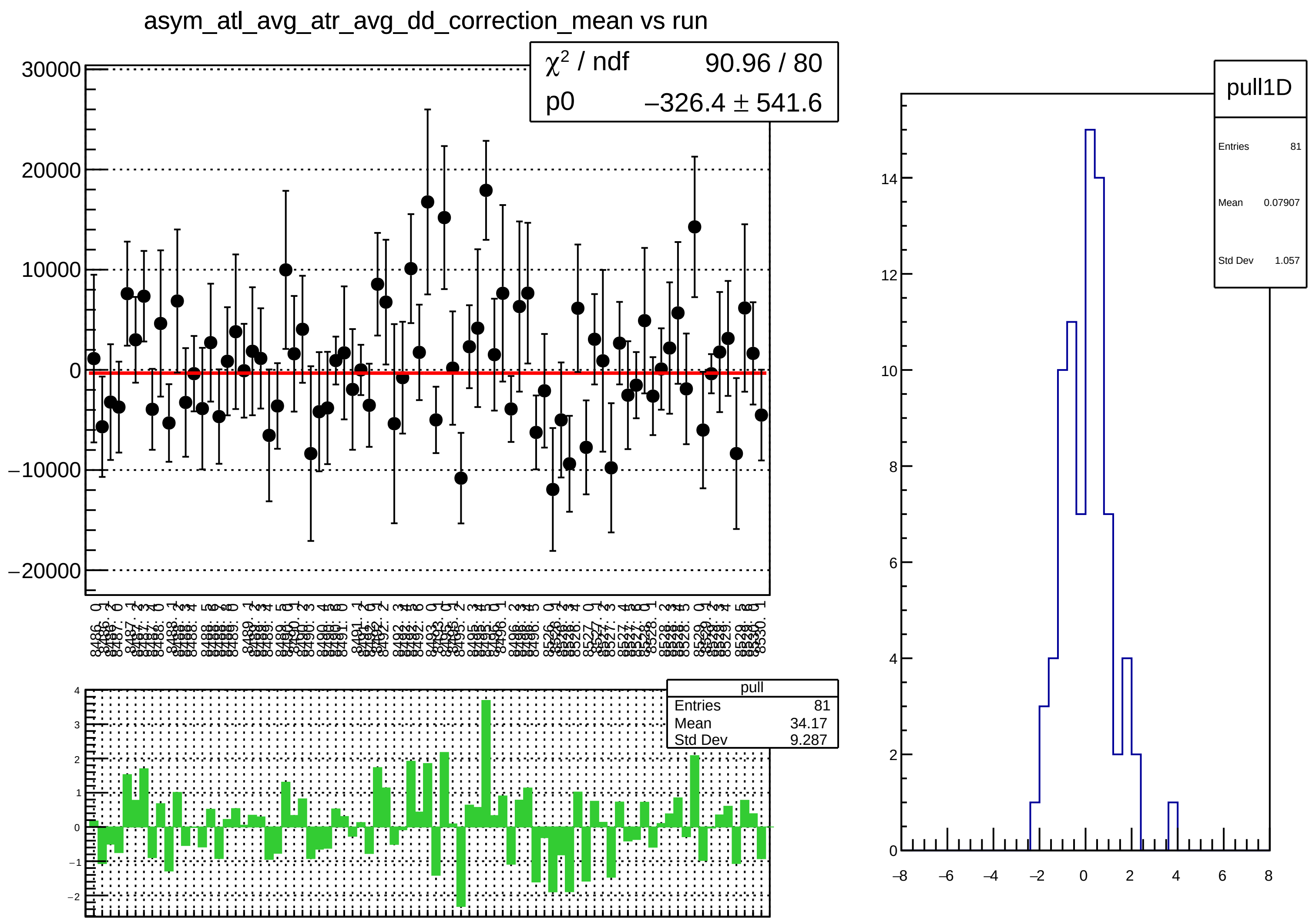
asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ2 / ndf 75.62 / 80
p0 −9494 ± 1.724e+04
600
400
200
0
−200
−400
−600
pull
Entries 81
Mean −198
Std Dev 232.5
pull1D
Entries 81
Mean 0.02692
Std Dev 0.9658


asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 89.74 / 80
p0 1.553e+04 ± 12.19
16000
15900
15800
15700
15600
15500
15400
15300
15200
15100

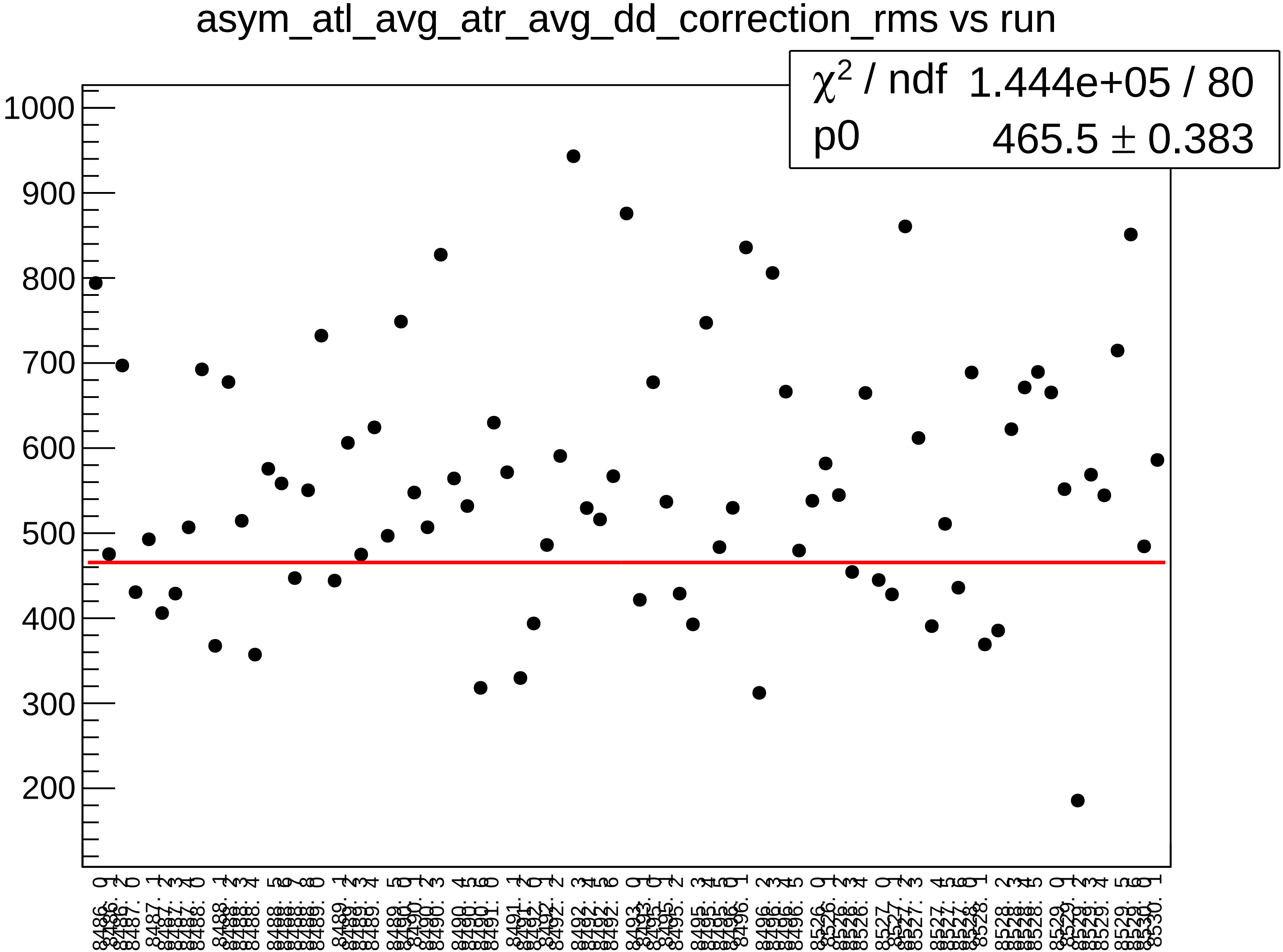


reg_asym_atl_avg_atr_avg_dd_mean vs run
$\times 10^3$
χ^2 / ndf 59.06 / 80
p0 −1.412e+04 ± 1.723e+04
pull
Entries 81
Mean 295.8
Std Dev 239.4
pull1D
Entries 81
Mean −0.009719
Std Dev 0.8538

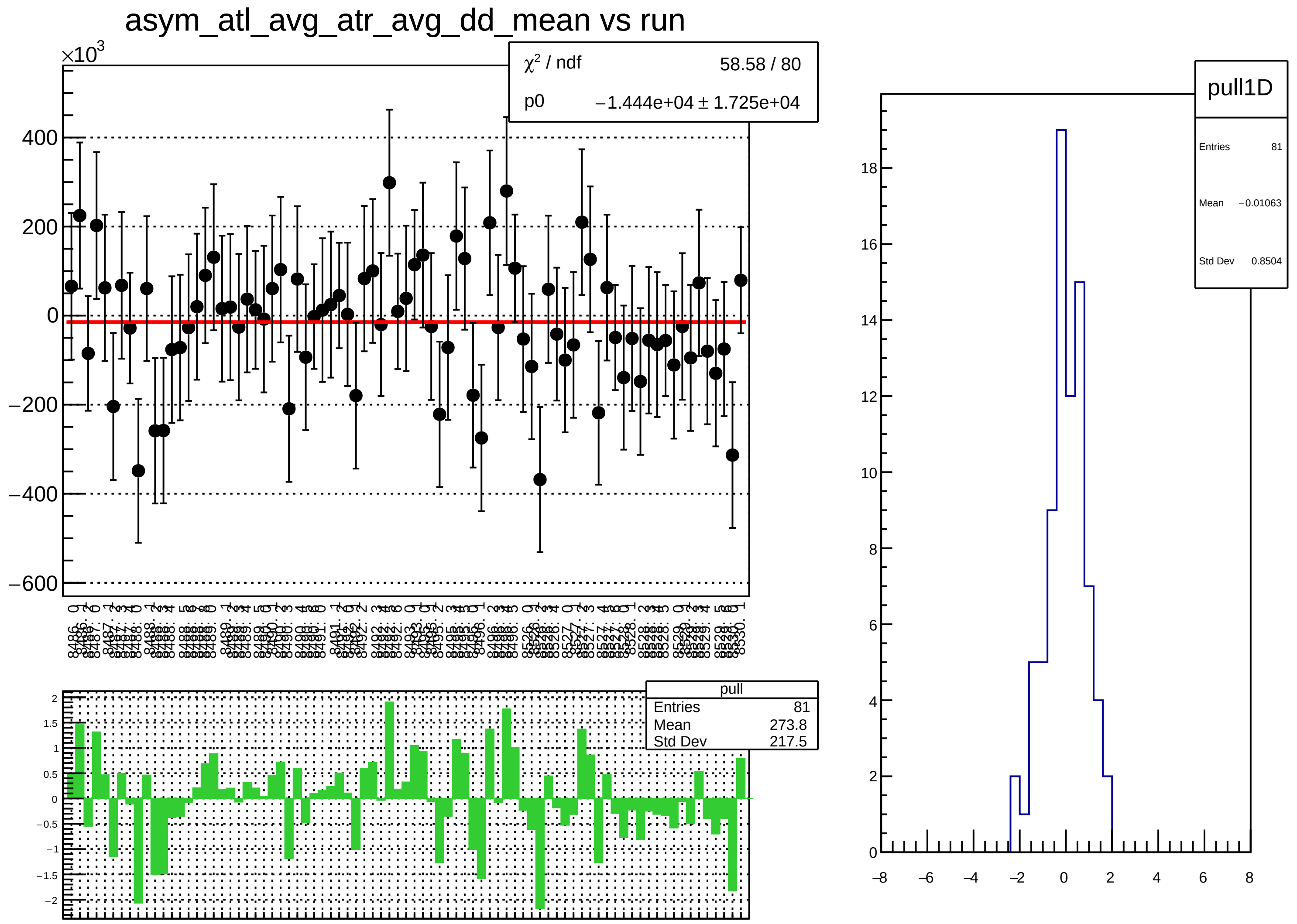

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 75.79 / 80
p0 1.552e+04 ± 12.19
15900
15800
15700
15600
15500
15400
15300
15200
15100



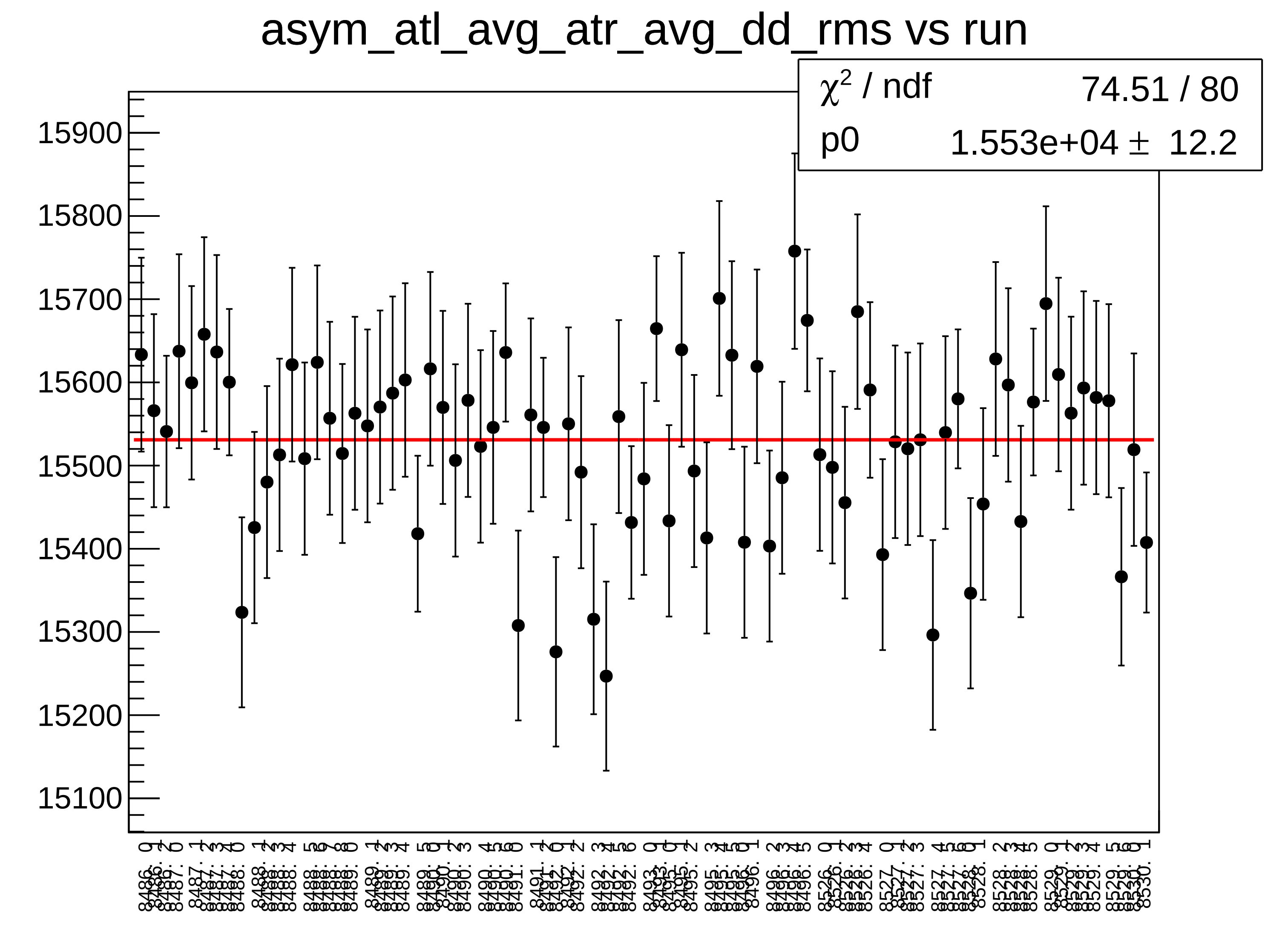
asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 90.96 / 80
p0 −326.4 ± 541.6
pull
Entries 81
Mean 34.17
Std Dev 9.287
pull1D
Entries 81
Mean 0.07907
Std Dev 1.057

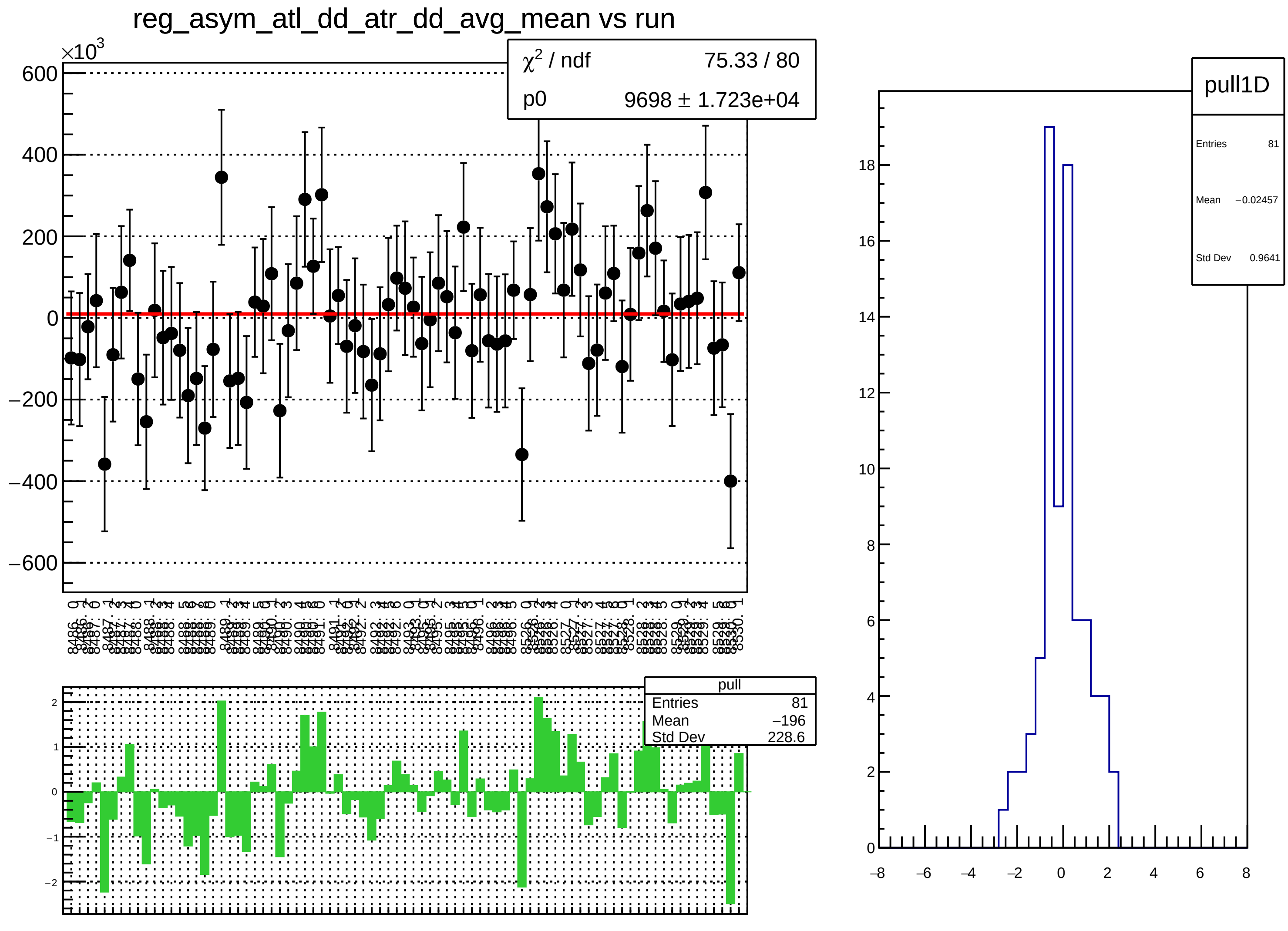


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 1.444e+05 / 80
p0 465.5 ± 0.383
1000
900
800
700
600
500
400
300
200

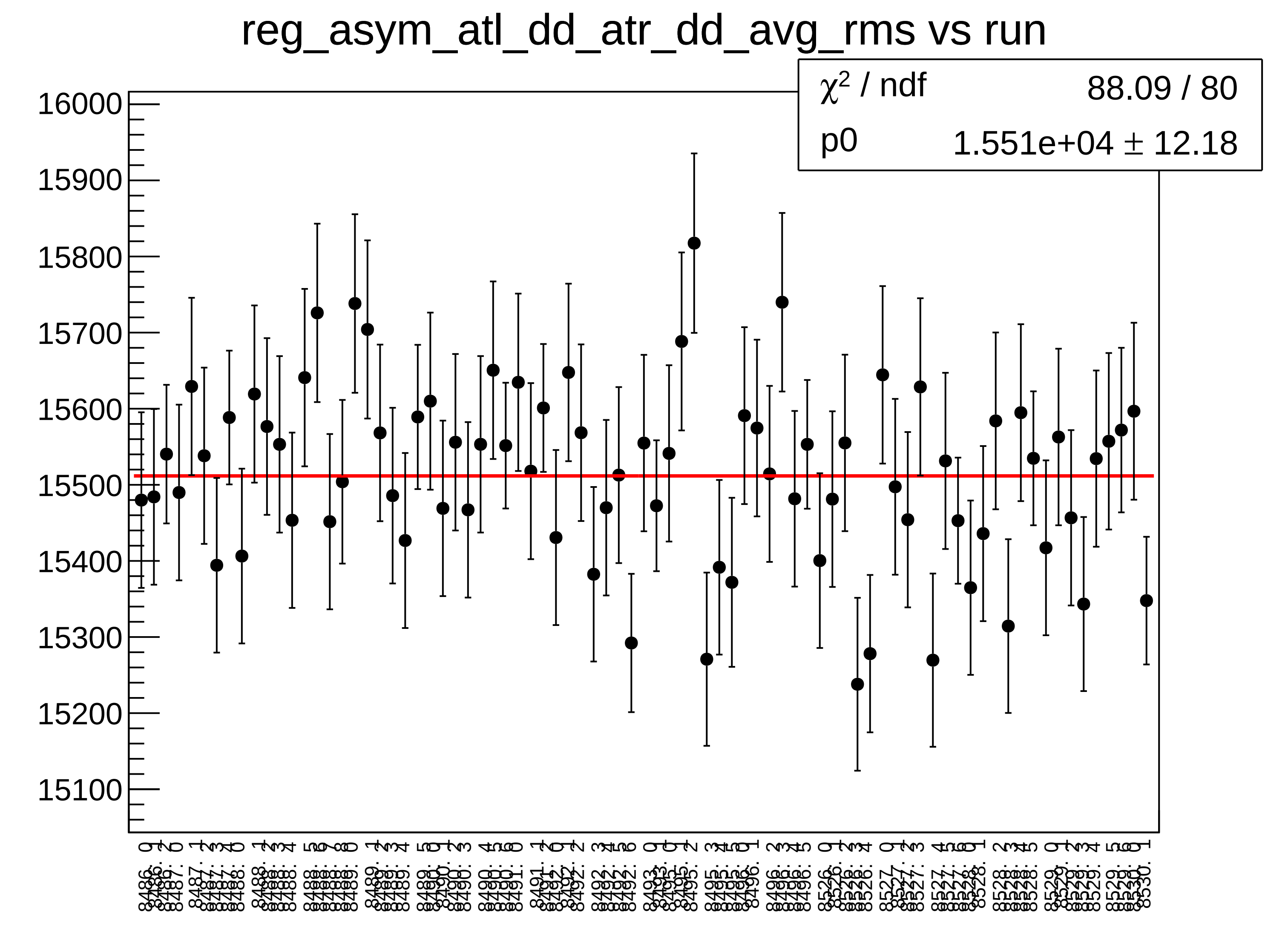


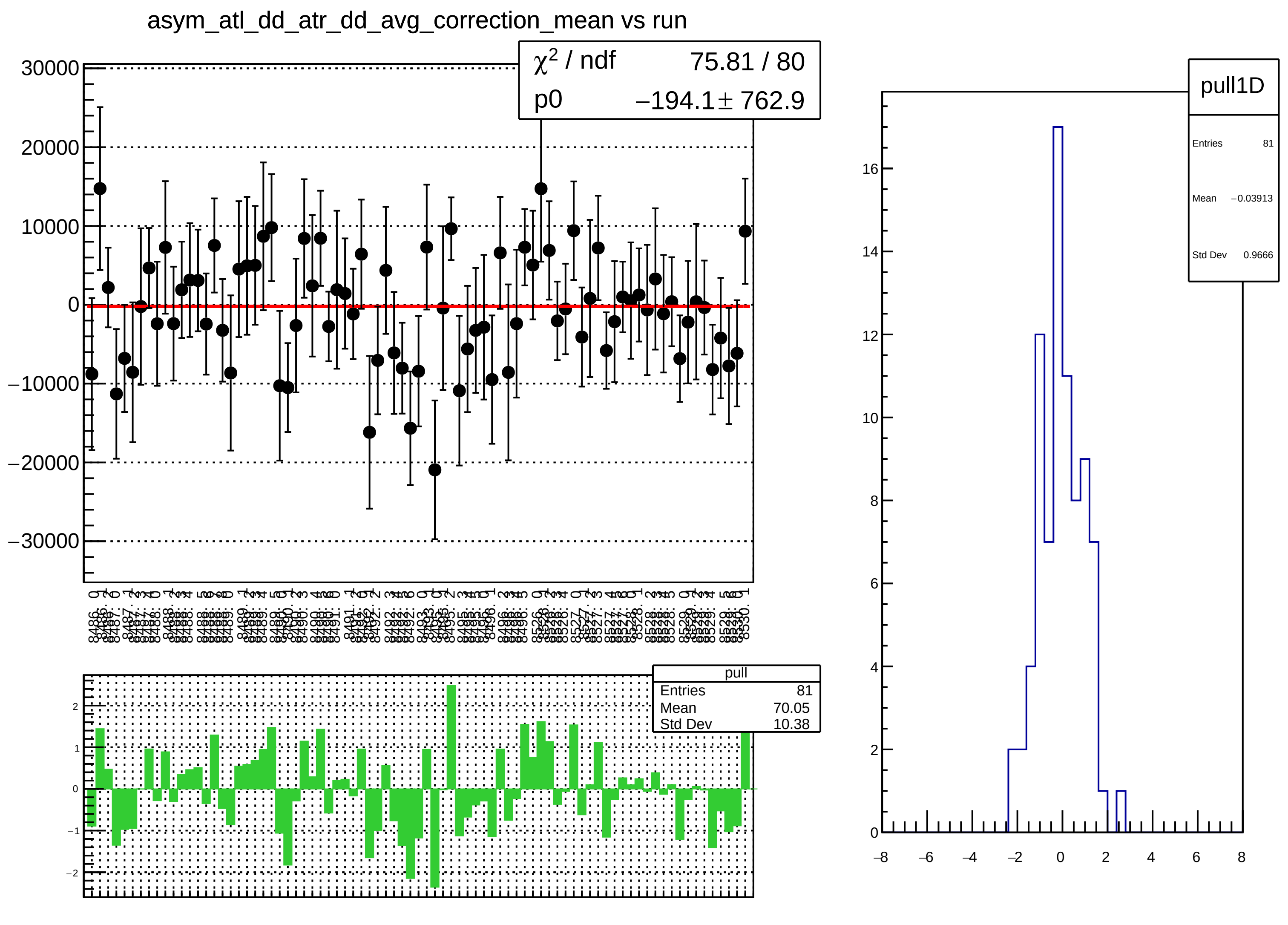
asym_atl_avg_atr_avg_dd_mean vs run
χ2 / ndf 58.58 / 80
p0 −1.444e+04 ± 1.725e+04
pull
Entries 81
Mean 273.8
Std Dev 217.5
pull1D
Entries 81
Mean −0.01063
Std Dev 0.8504


asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 74.51 / 80
p0 1.553e+04 ± 12.2

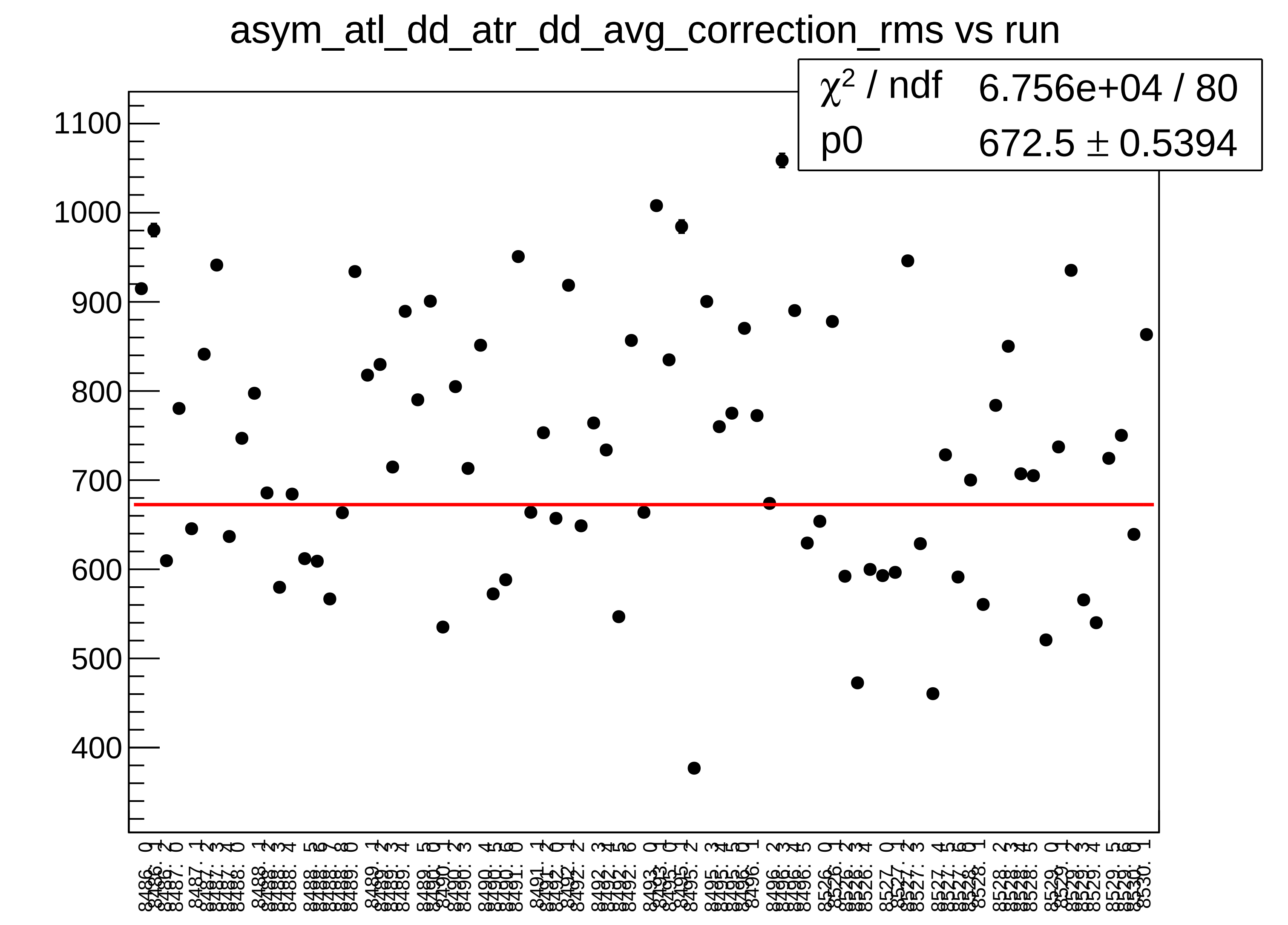


reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 75.33 / 80
p0 9698 ± 1.723e+04
pull
Entries 81
Mean −196
Std Dev 228.6
pull1D
Entries 81
Mean −0.02457
Std Dev 0.9641

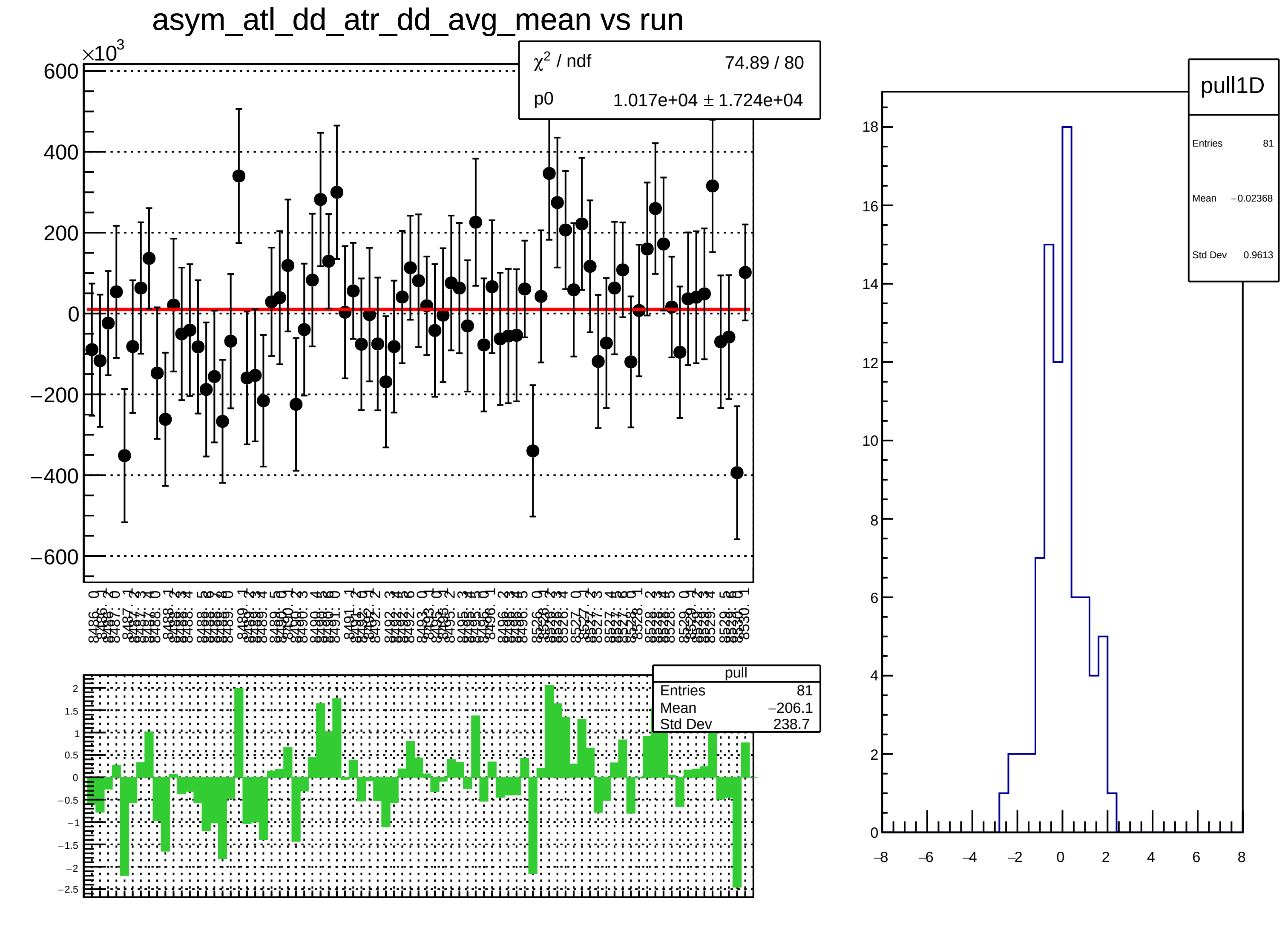

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 88.09 / 80
p0 1.551e+04 ± 12.18
16000
15900
15800
15700
15600
15500
15400
15300
15200
15100



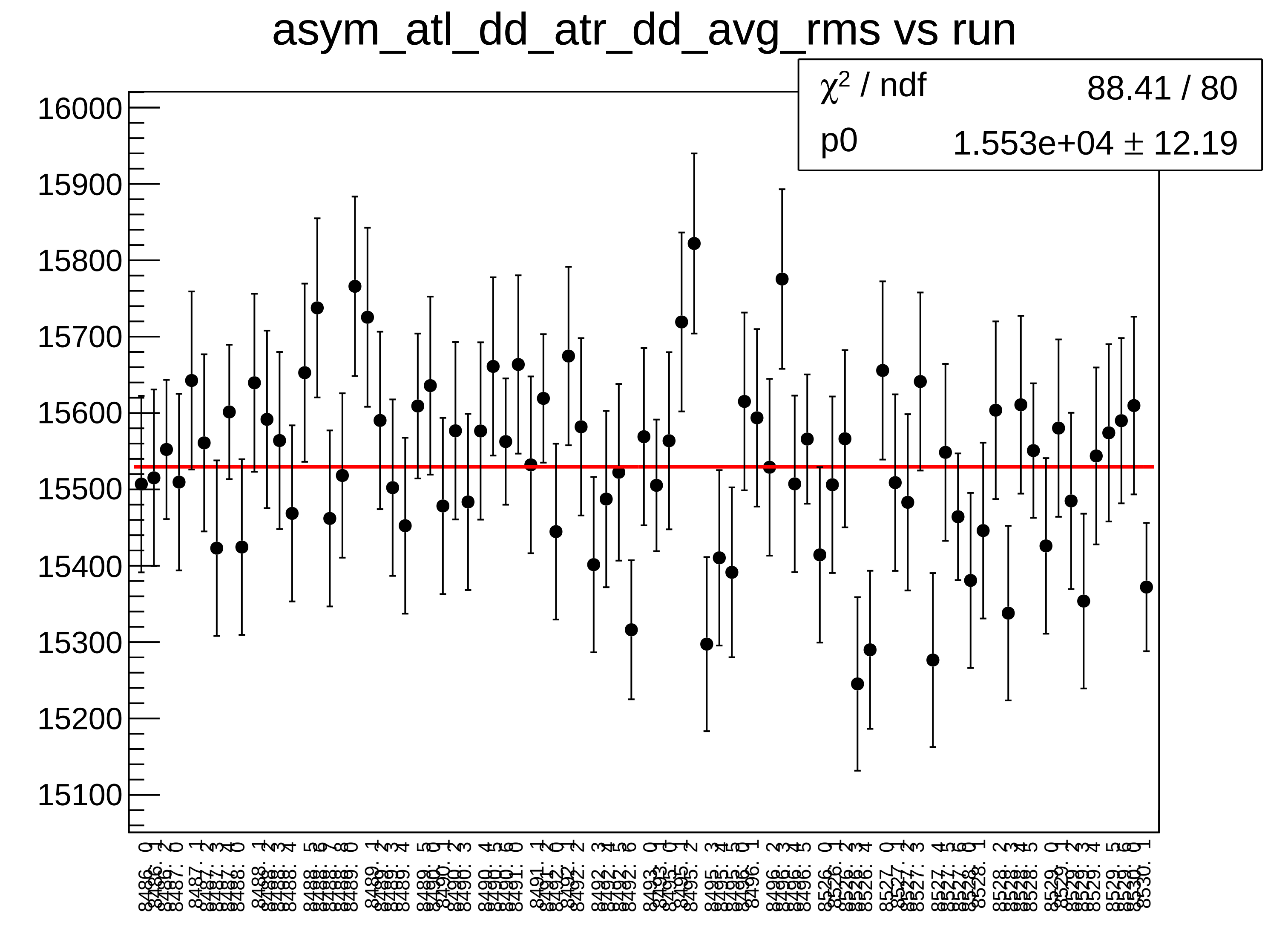
asym_atl_dd_atr_dd_avg_correction_mean vs run
χ^2 / ndf 75.81 / 80
p0 −194.1 ± 762.9
pull
Entries 81
Mean 70.05
Std Dev 10.38
pull1D
Entries 81
Mean −0.03913
Std Dev 0.9666

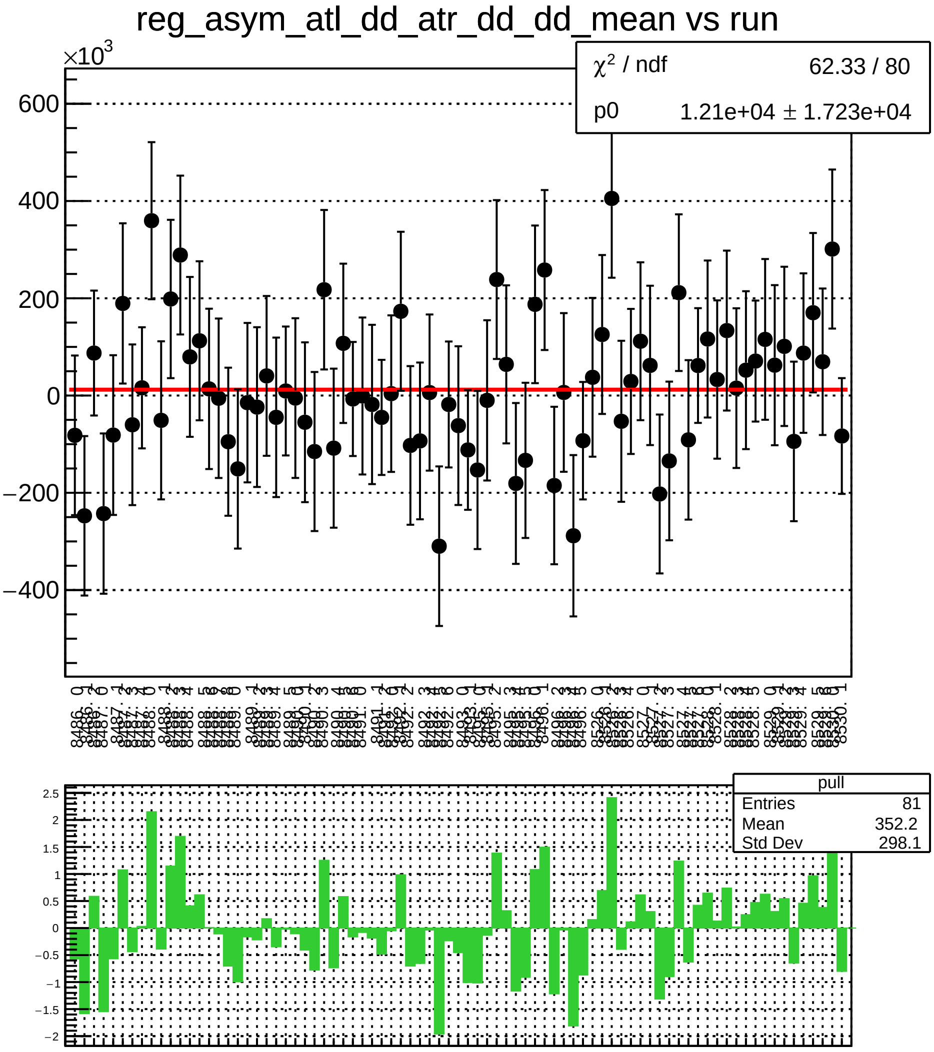


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ2 / ndf 6.756e+04 / 80
p0 672.5 ± 0.5394
1100
1000
900
800
700
600
500
400

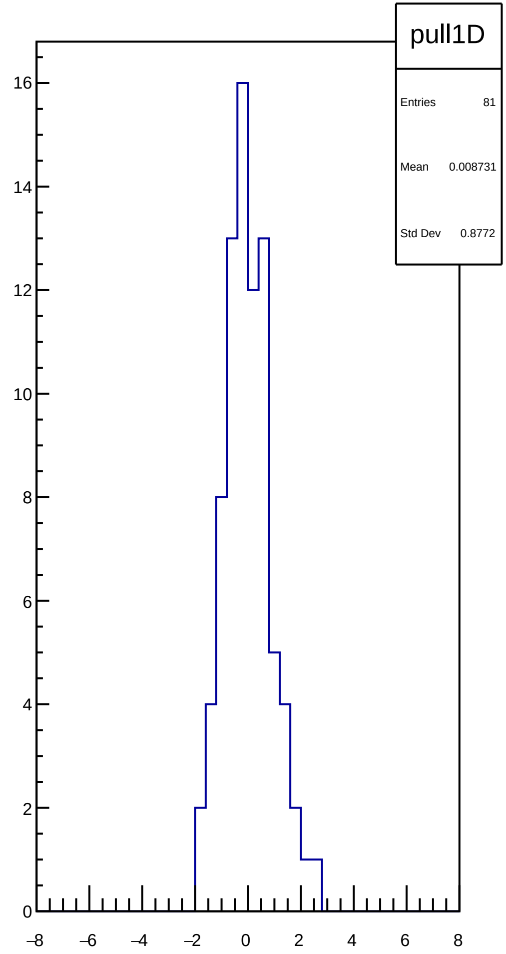


asym_atl_dd_atr_dd_avg_mean vs run
$\times10^{3}$
χ^2 / ndf 74.89 / 80
p0 1.017e+04 ± 1.724e+04
pull
Entries 81
Mean −206.1
Std Dev 238.7
pull1D
Entries 81
Mean −0.02368
Std Dev 0.9613

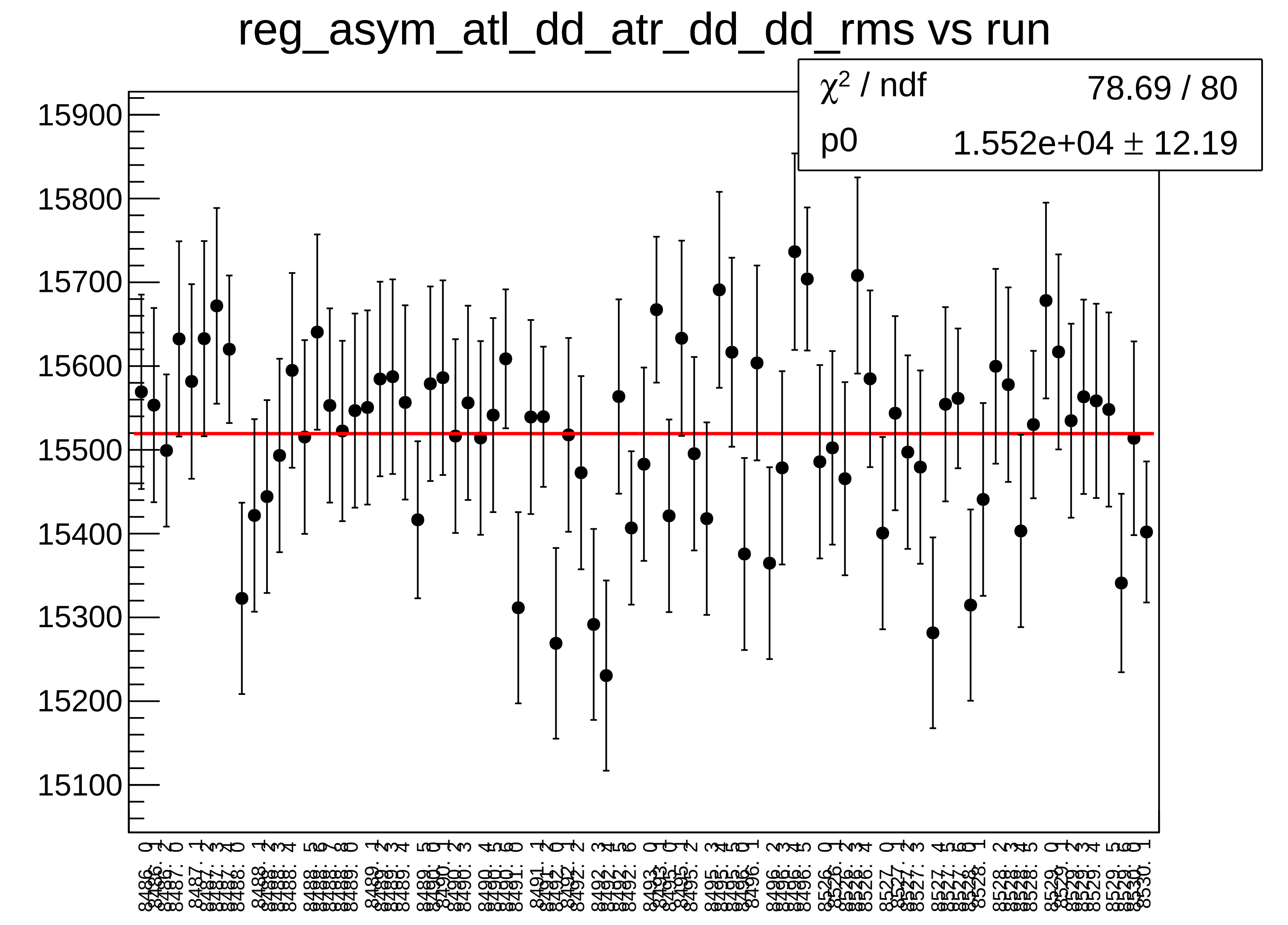

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 88.41 / 80
p0 1.553e+04 ± 12.19
16000
15900
15800
15700
15600
15500
15400
15300
15200
15100



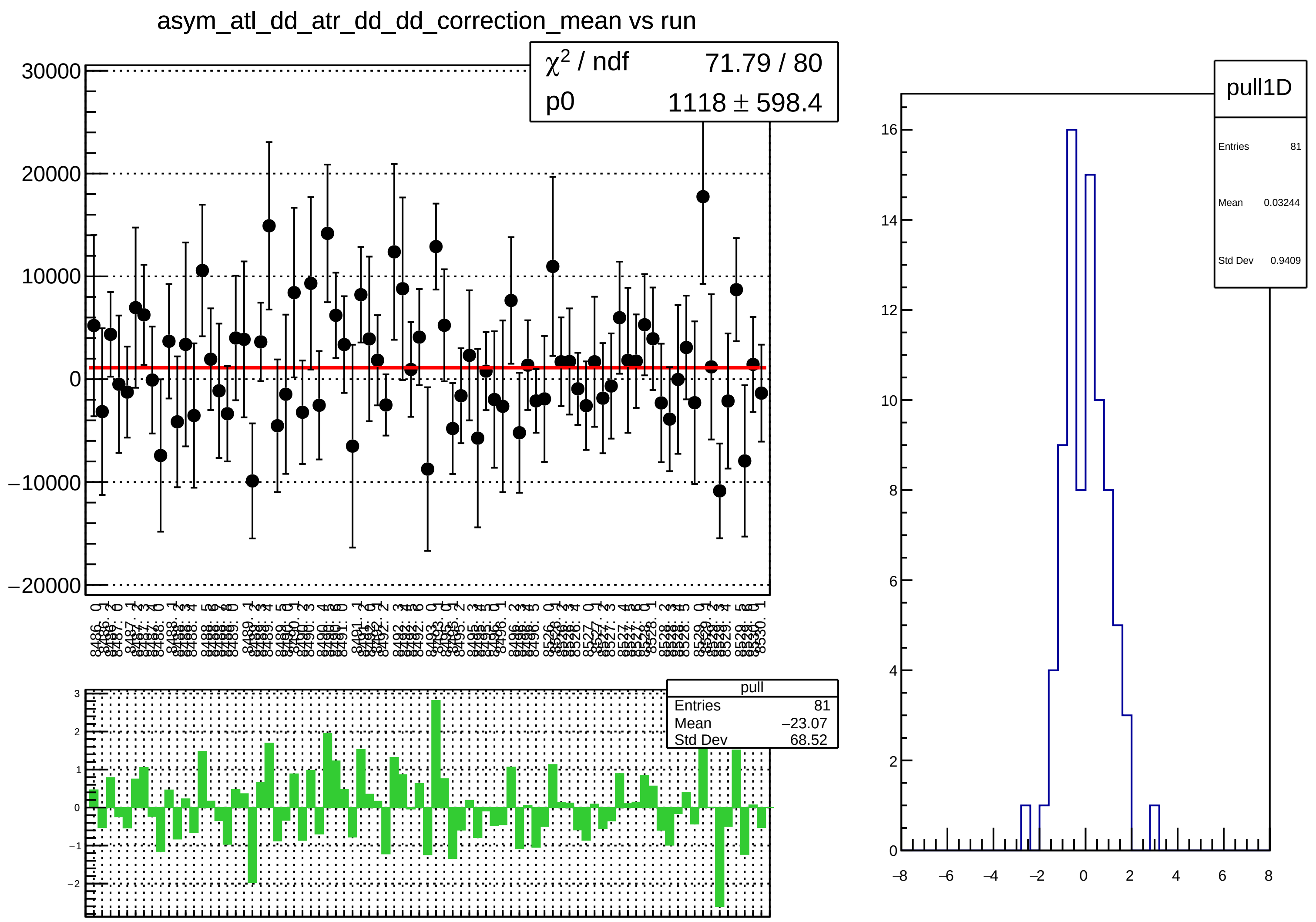
reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ2 / ndf 62.33 / 80
p0 1.21e+04 ± 1.723e+04
pull
Entries 81
Mean 352.2
Std Dev 298.1



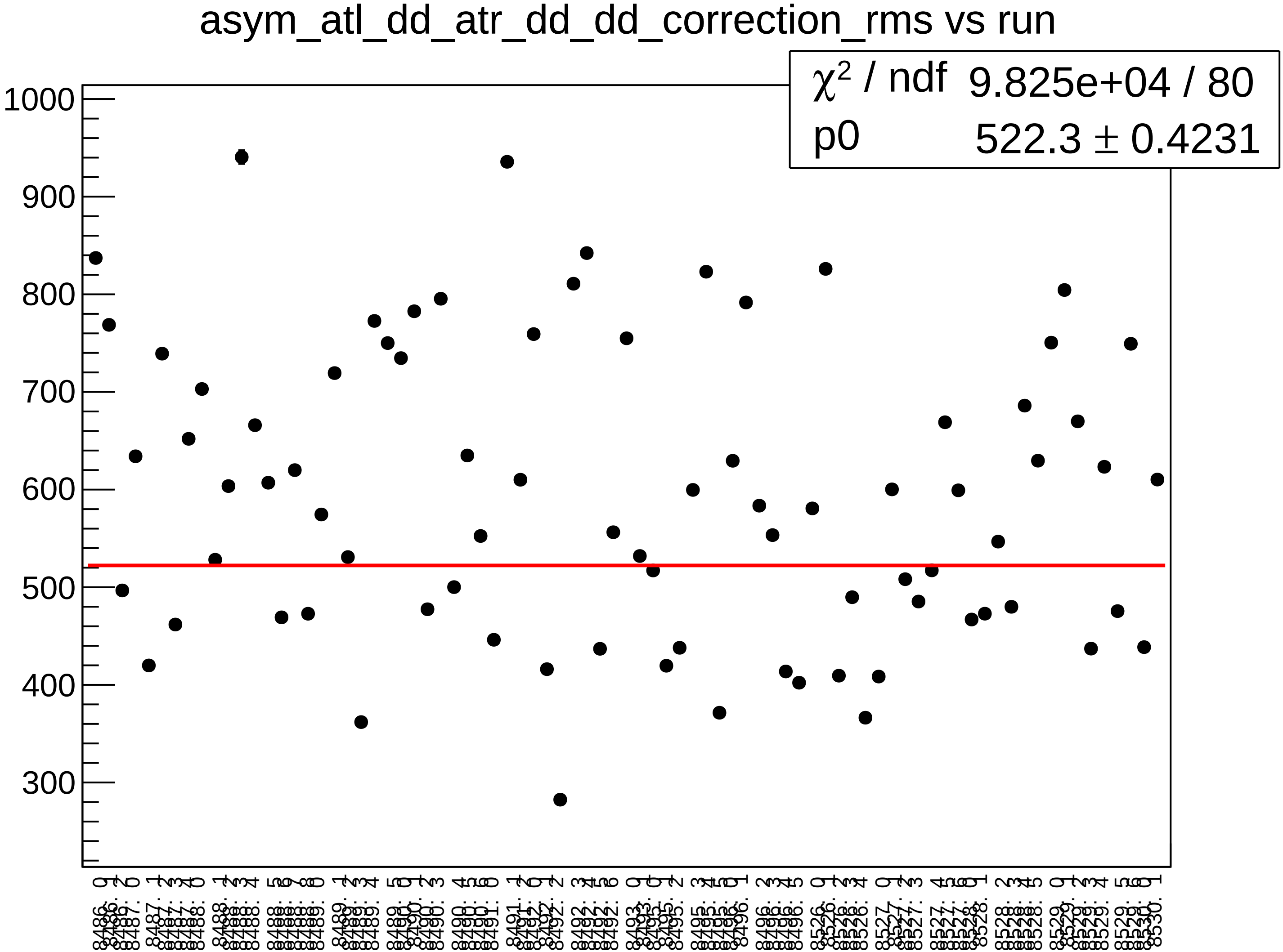
pull1D
Entries 81
Mean 0.008731
Std Dev 0.8772

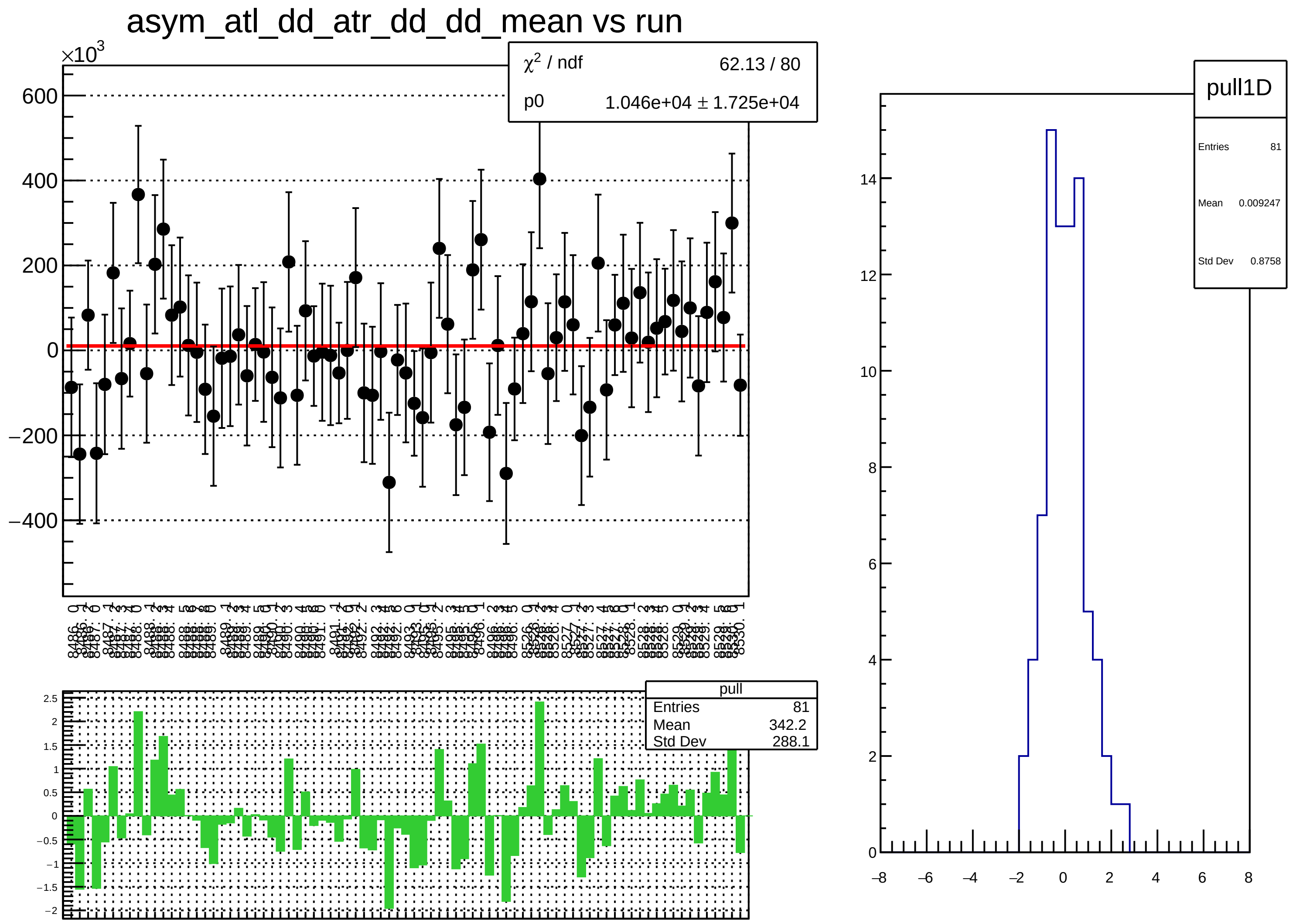


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 78.69 / 80
p0 1.552e+04 ± 12.19
15100
15200
15300
15400
15500
15600
15700
15800
15900

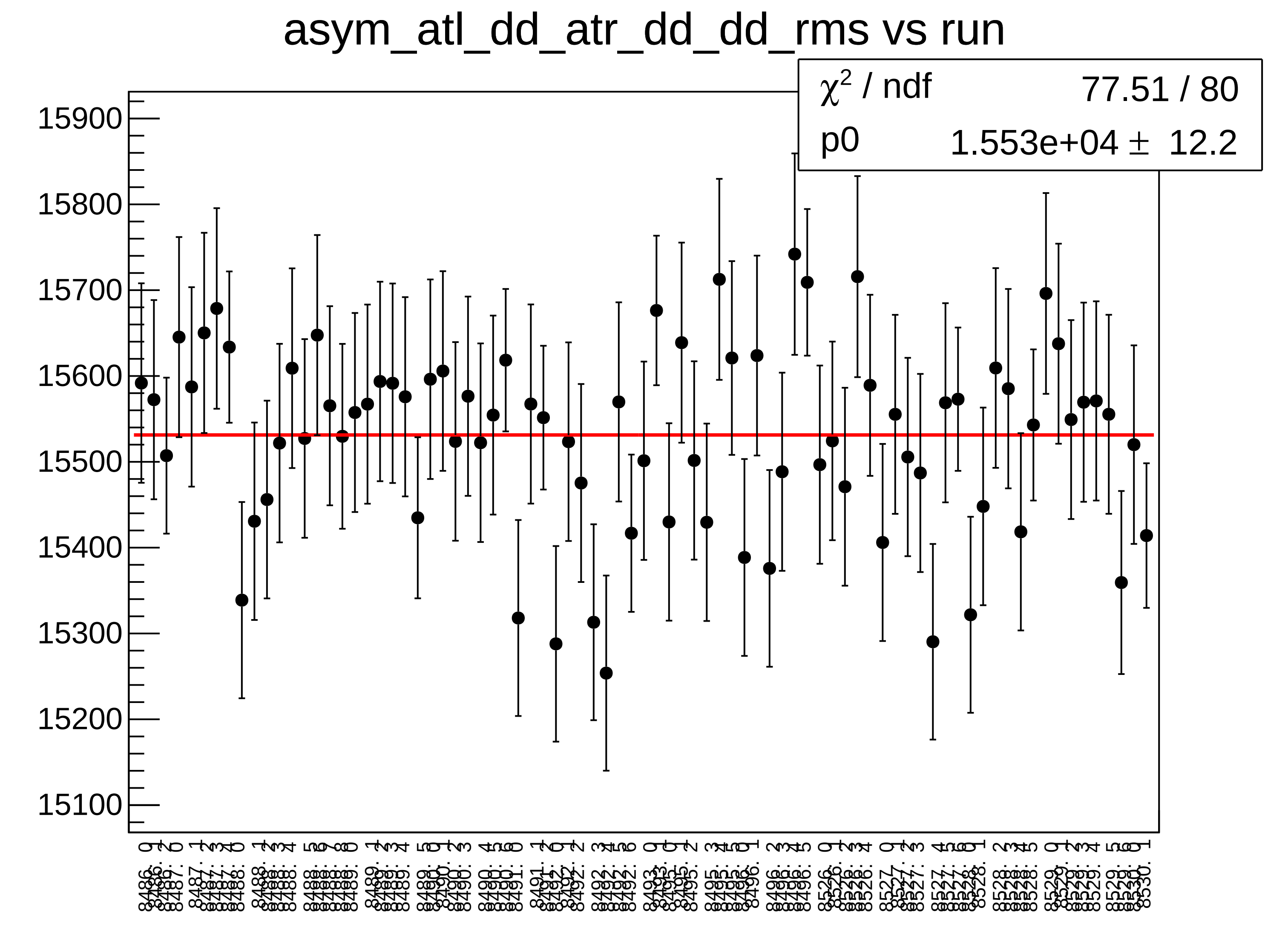


asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 71.79 / 80
p0 1118 ± 598.4
pull
Entries 81
Mean −23.07
Std Dev 68.52
pull1D
Entries 81
Mean 0.03244
Std Dev 0.9409

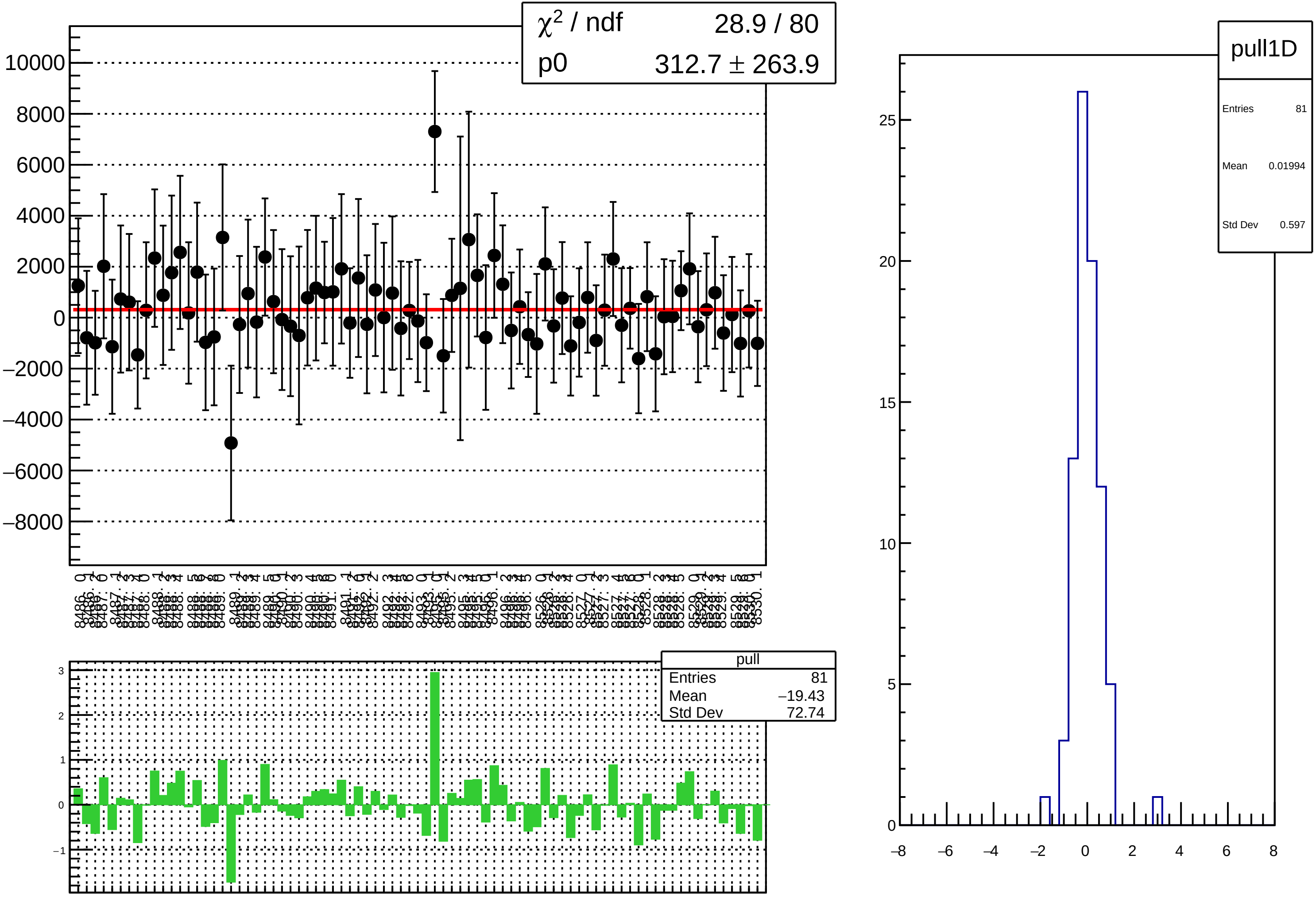

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 9.825e+04 / 80
p0 522.3 ± 0.4231
1000
900
800
700
600
500
400
300

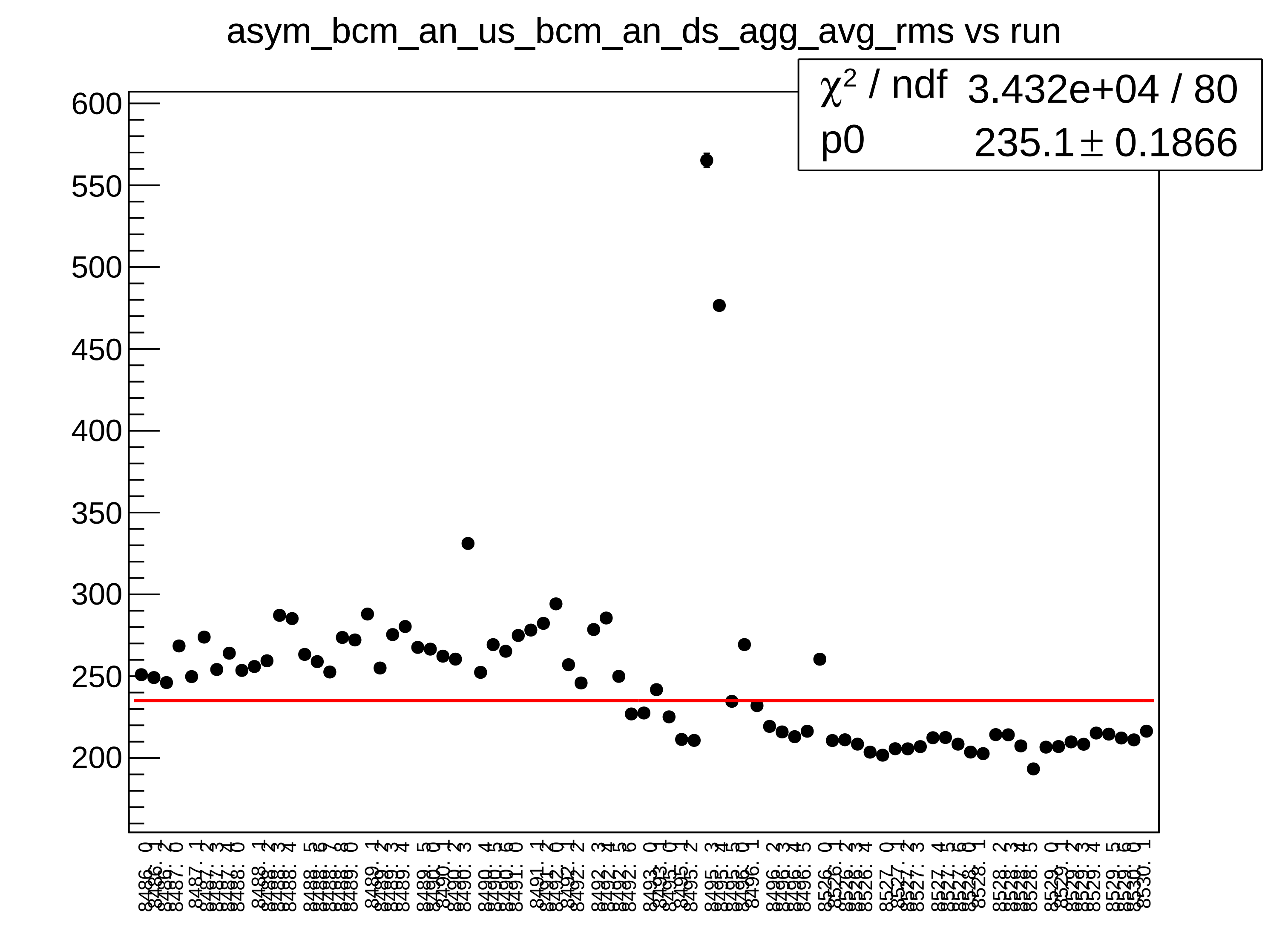


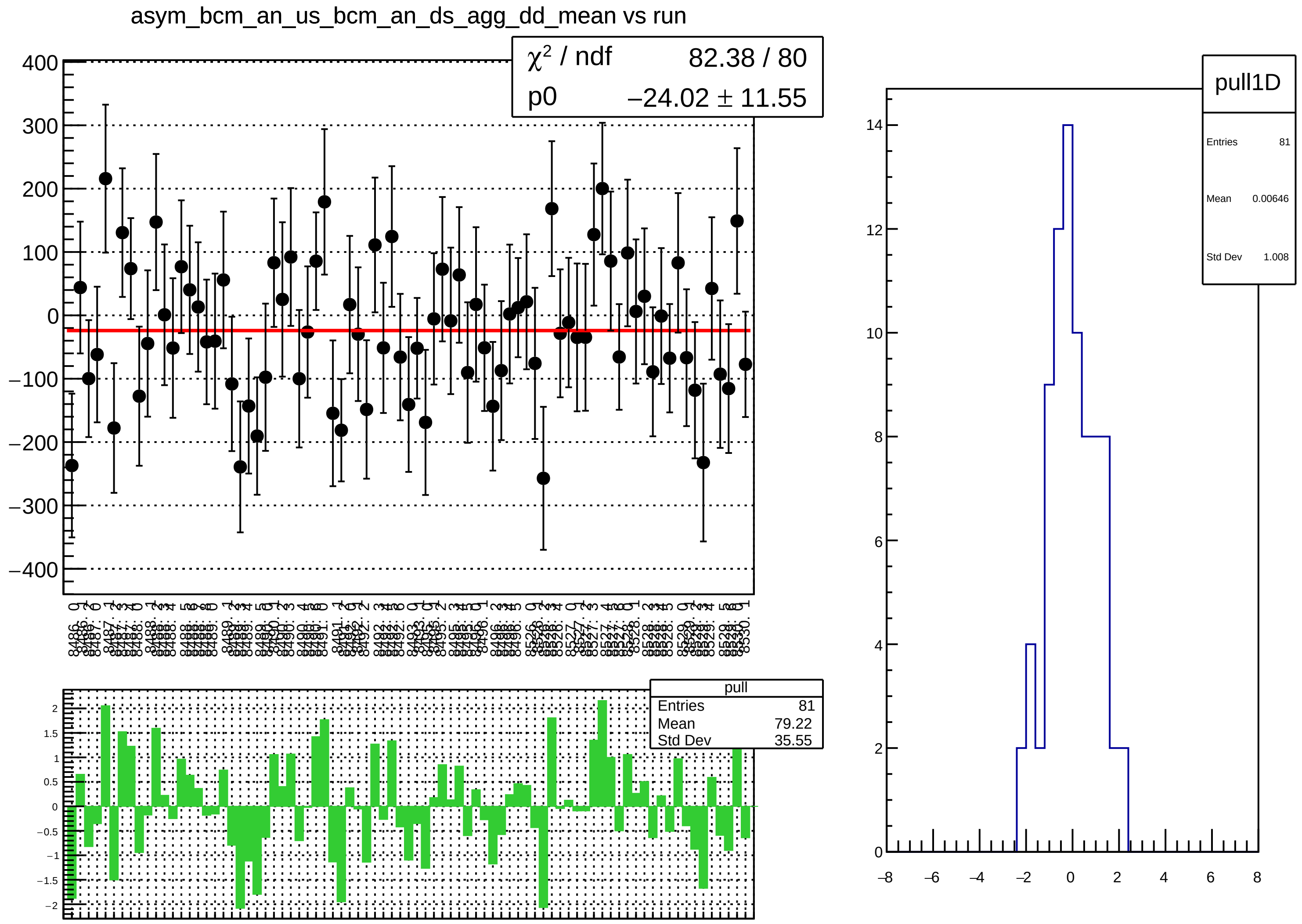
asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ2 / ndf 62.13 / 80
p0 1.046e+04 ± 1.725e+04
pull
Entries 81
Mean 342.2
Std Dev 288.1
pull1D
Entries 81
Mean 0.009247
Std Dev 0.8758


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 77.51 / 80
p0 1.553e+04 ± 12.2
15900
15800
15700
15600
15500
15400
15300
15200
15100

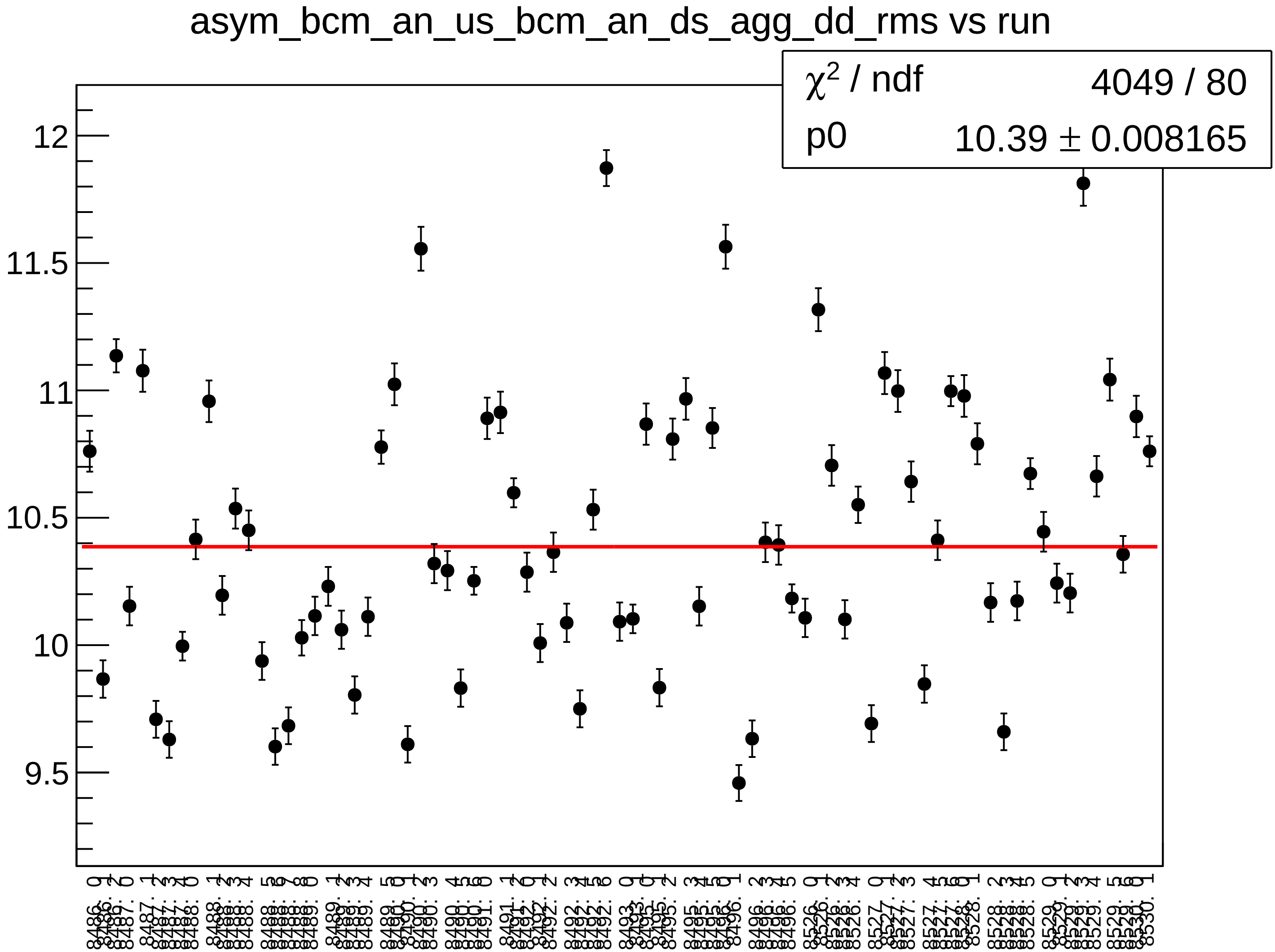
asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run

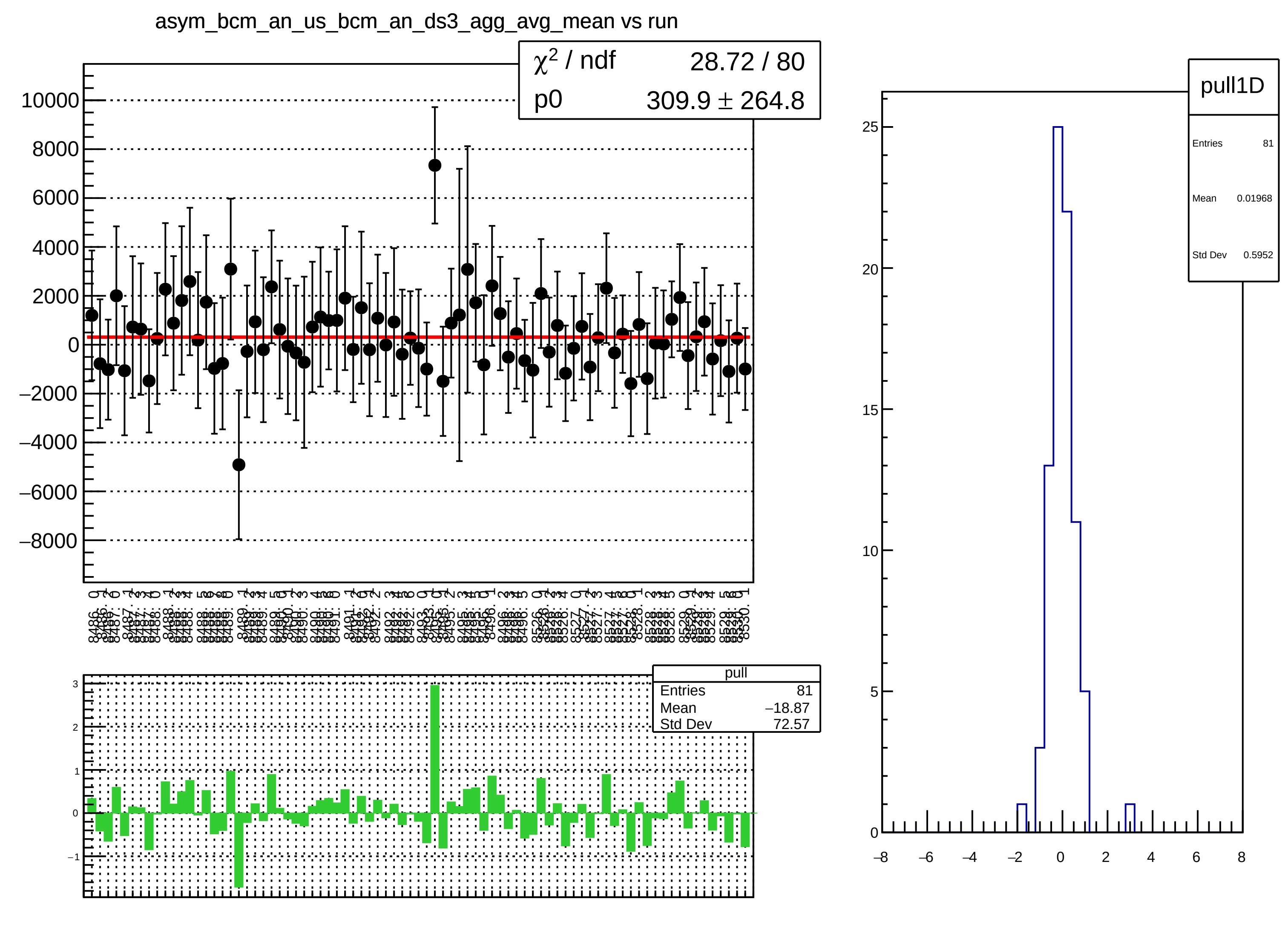



asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 3.432e+04 / 80
p0 235.1 ± 0.1866
600
550
500
450
400
350
300
250
200

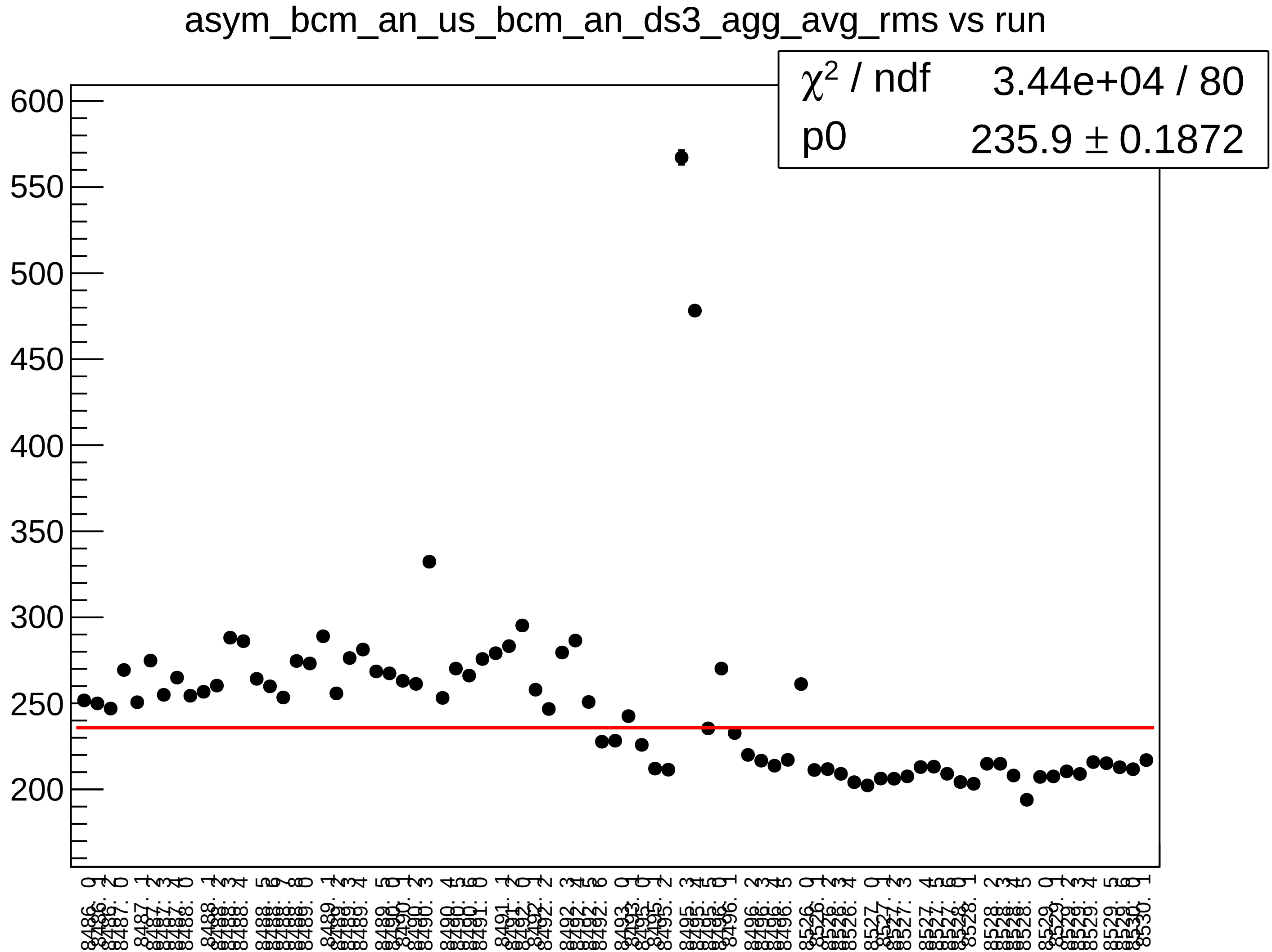


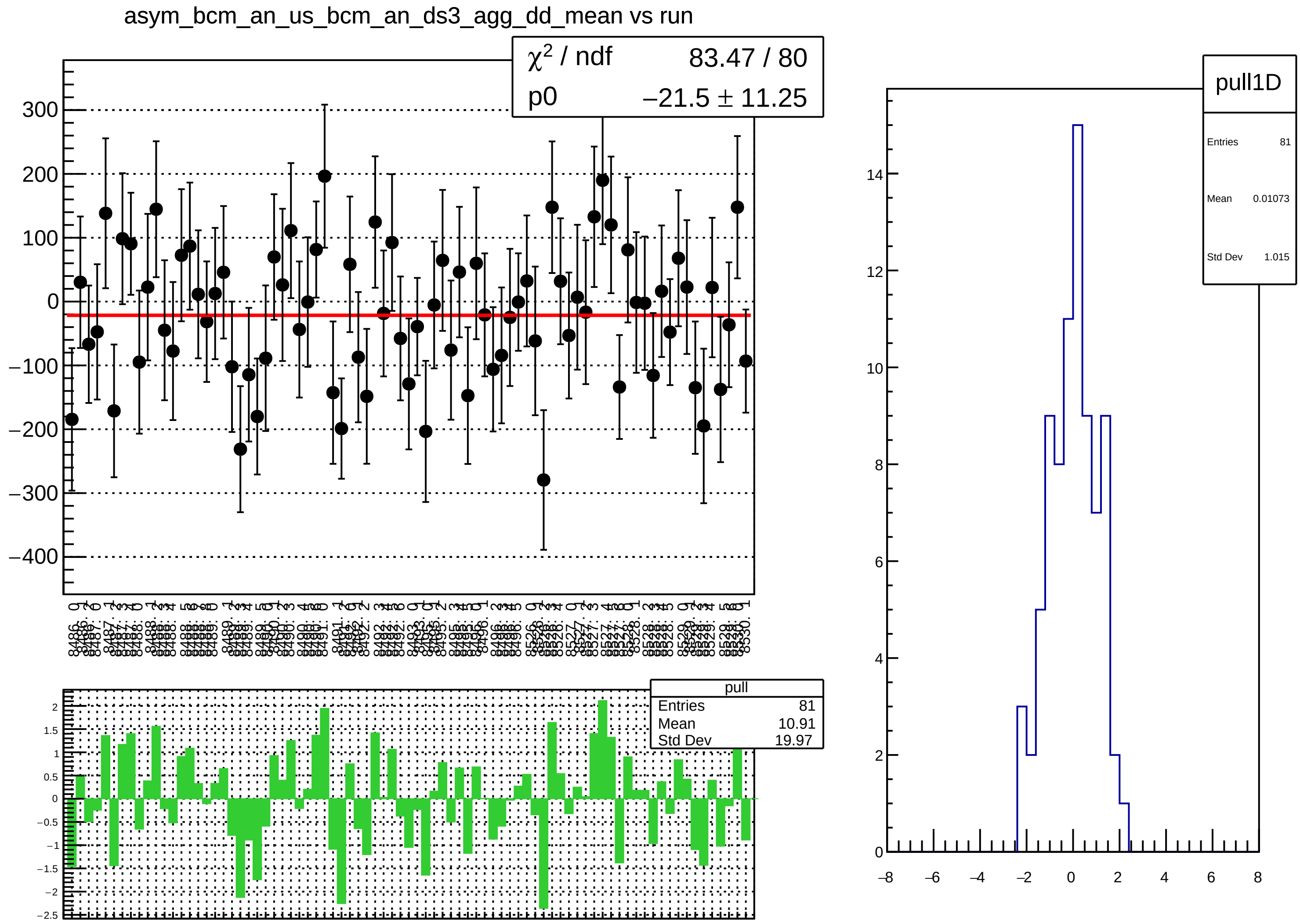
asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ2 / ndf 82.38 / 80
p0 −24.02 ± 11.55
pull
Entries 81
Mean 79.22
Std Dev 35.55
pull1D
Entries 81
Mean 0.00646
Std Dev 1.008


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 4049 / 80
p0 10.39 ± 0.008165
12
11.5
11
10.5
10
9.5

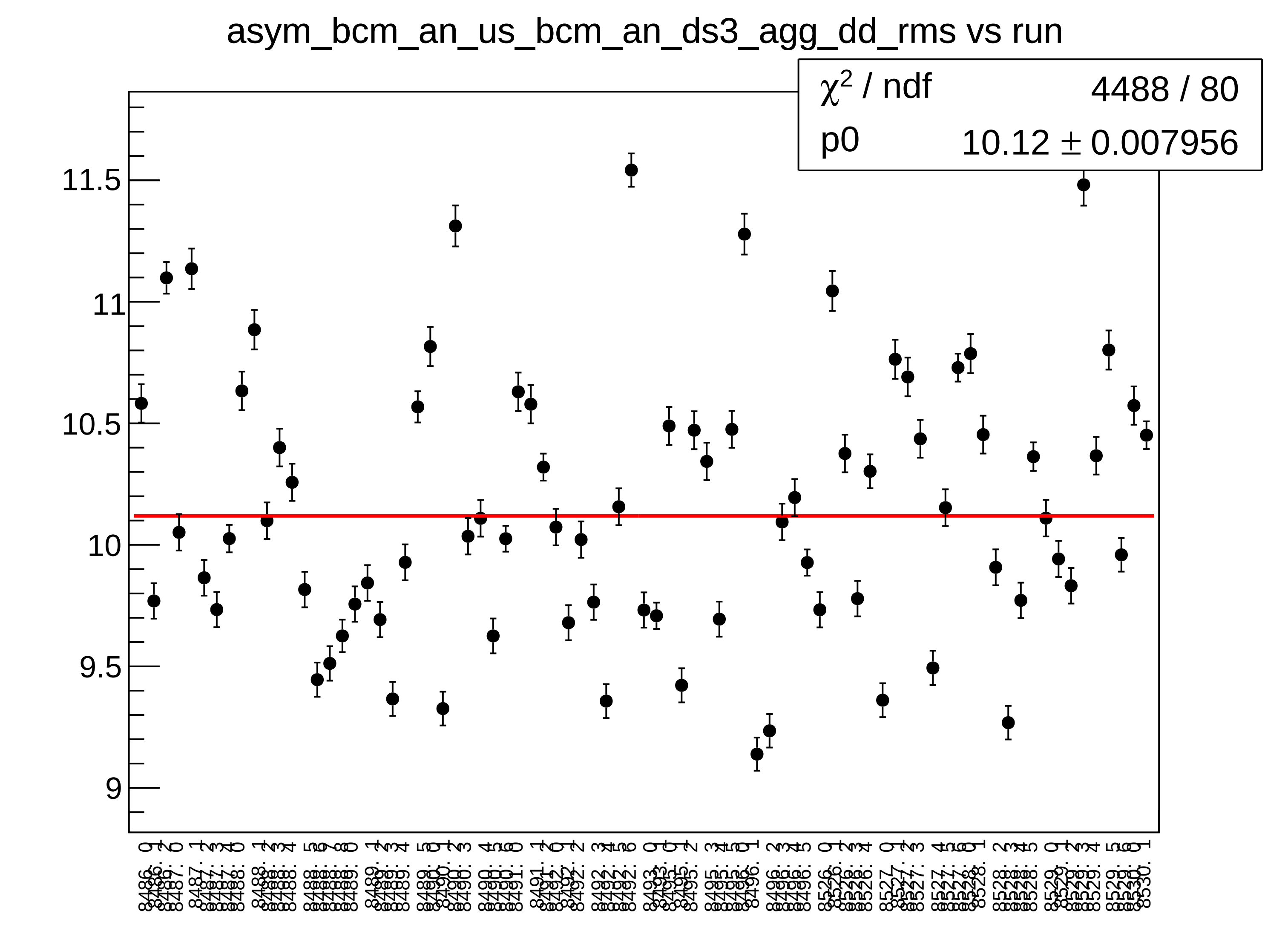


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 28.72 / 80
p0 309.9 ± 264.8
pull
Entries 81
Mean −18.87
Std Dev 72.57
pull1D
Entries 81
Mean 0.01968
Std Dev 0.5952

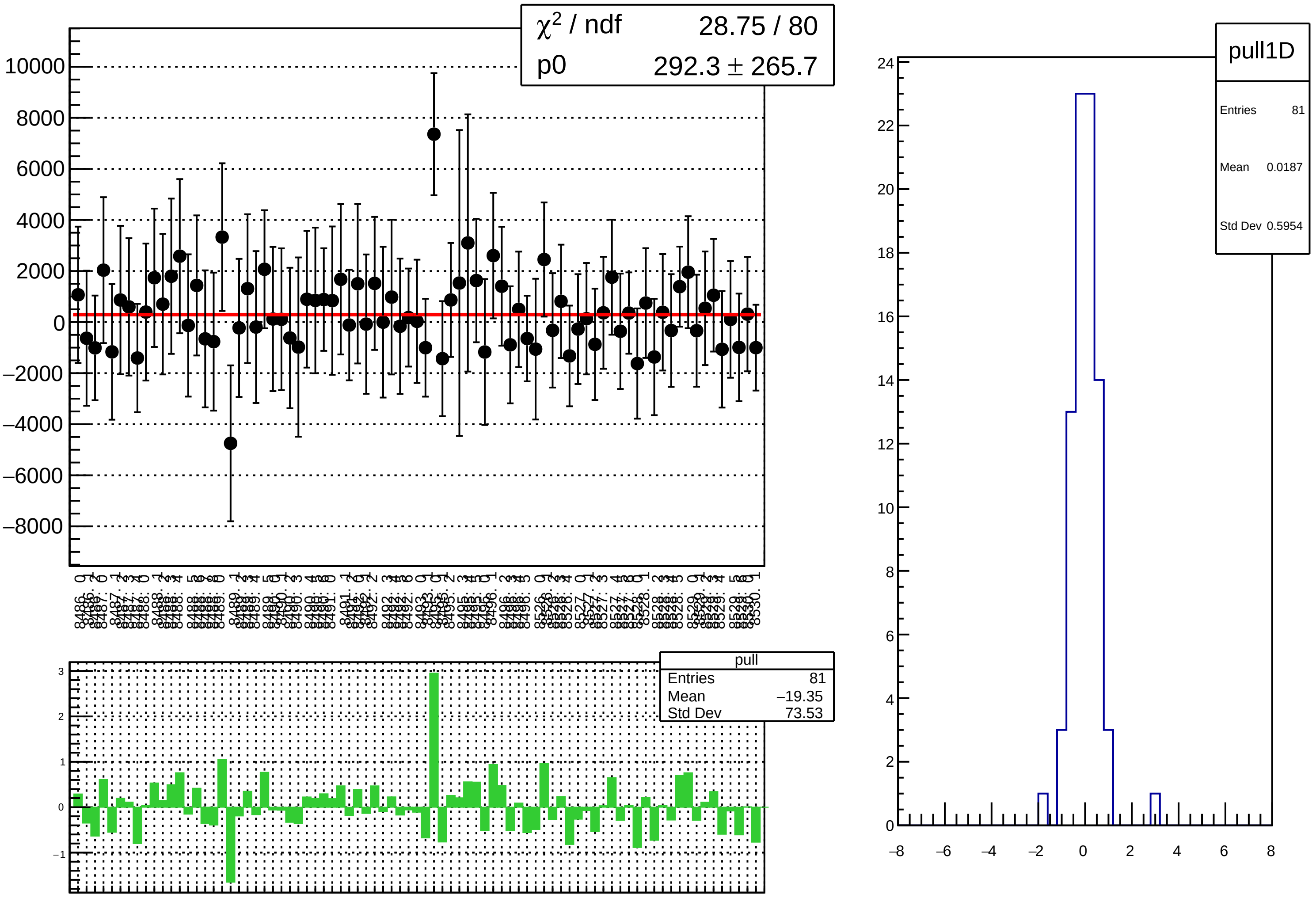

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 3.44e+04 / 80
p0 235.9 ± 0.1872
600
550
500
450
400
350
300
250
200

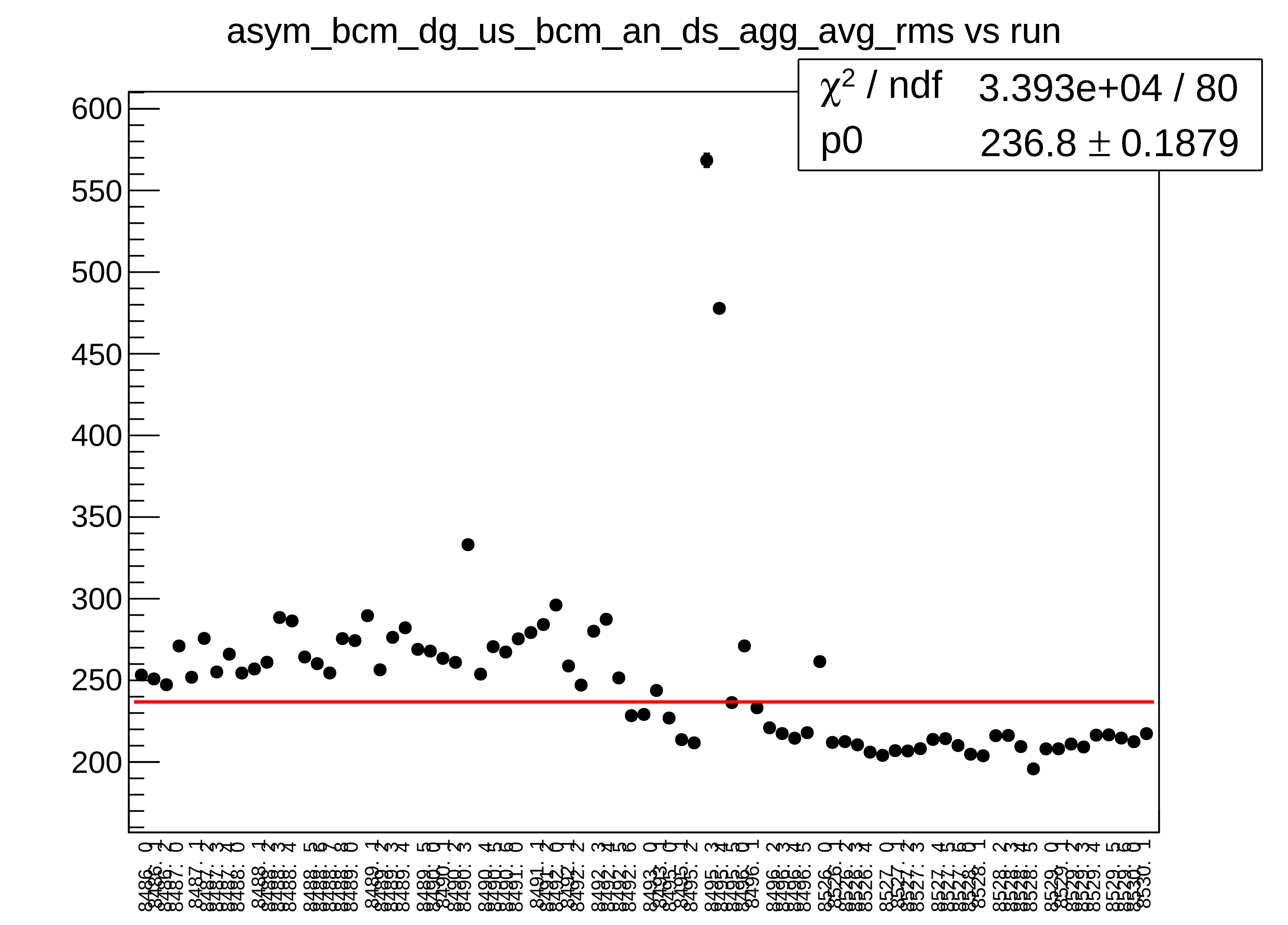


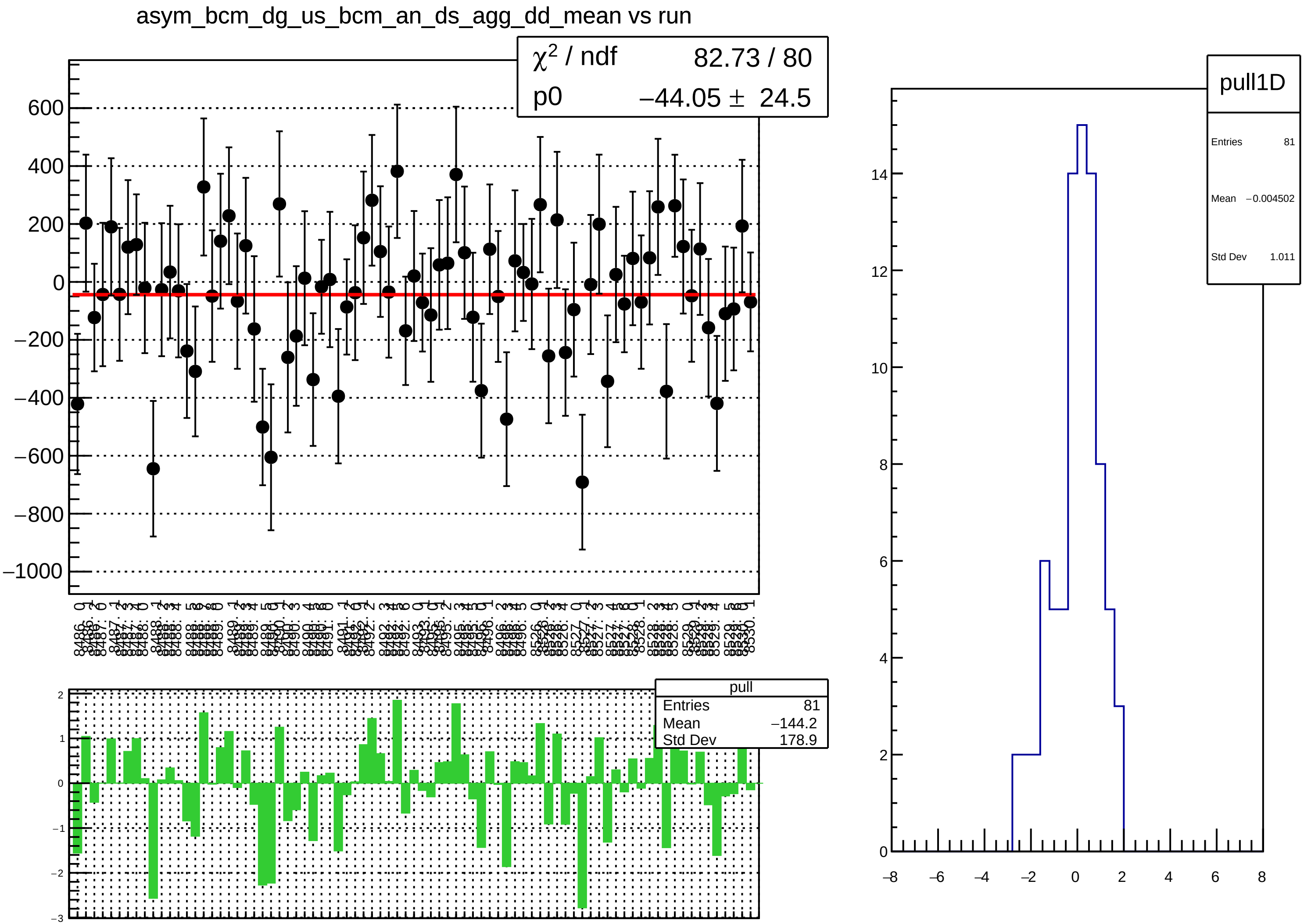
asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ^2 / ndf 83.47 / 80
p0 −21.5 ± 11.25
pull
Entries 81
Mean 10.91
Std Dev 19.97
pull1D
Entries 81
Mean 0.01073
Std Dev 1.015


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 4488 / 80
p0 10.12 ± 0.007956

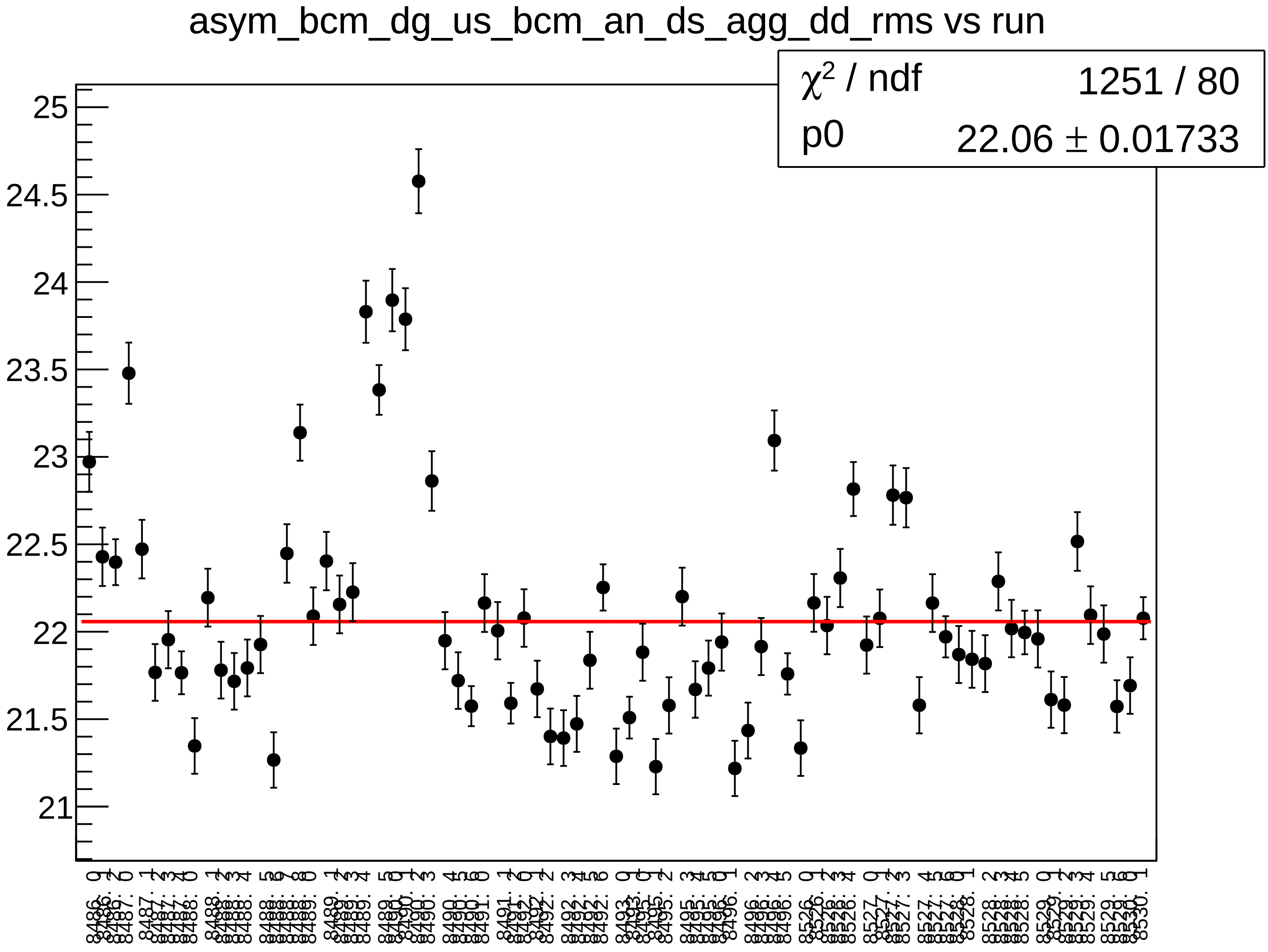
asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run



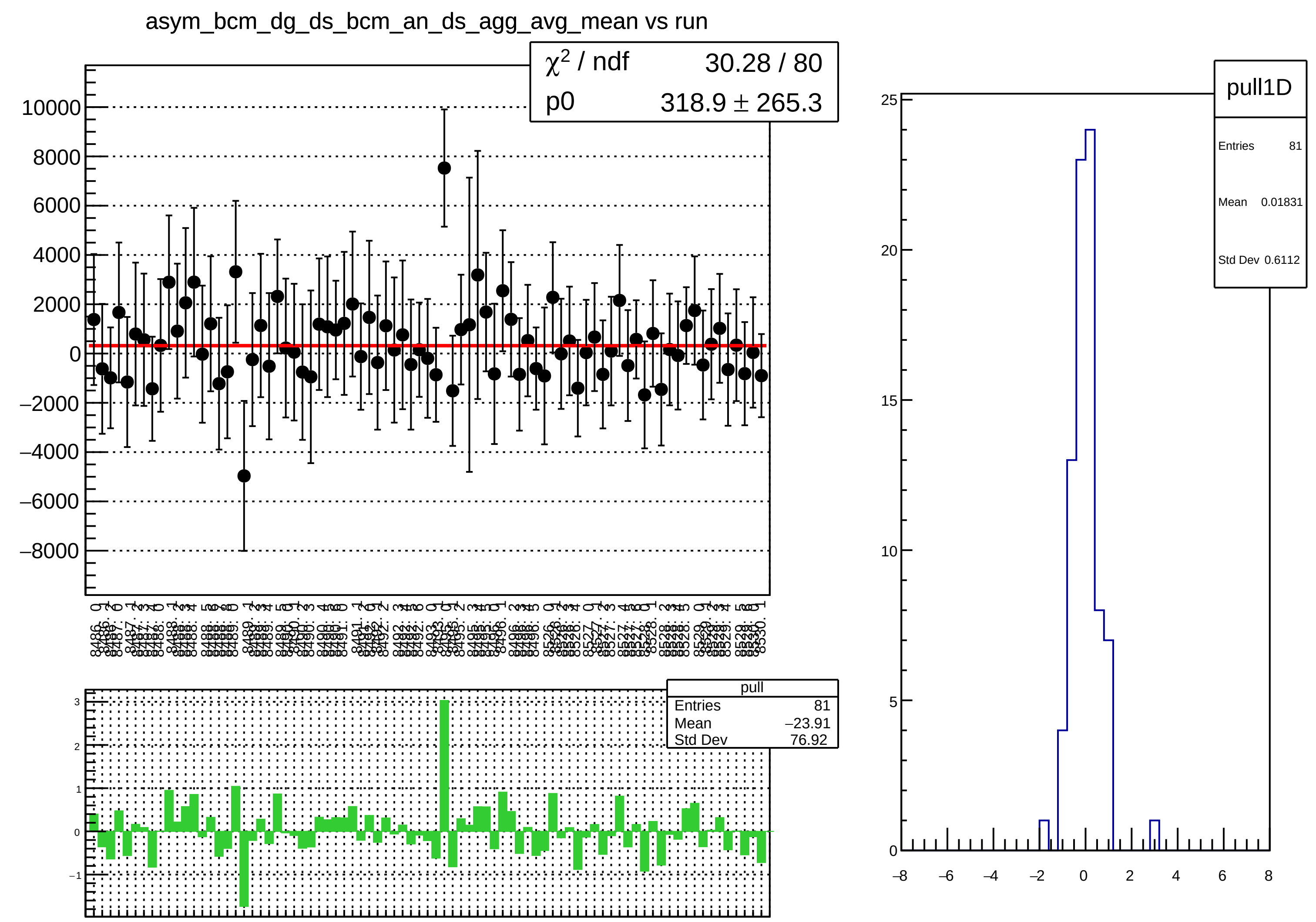

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.393e+04 / 80
p0 236.8 ± 0.1879
600
550
500
450
400
350
300
250
200



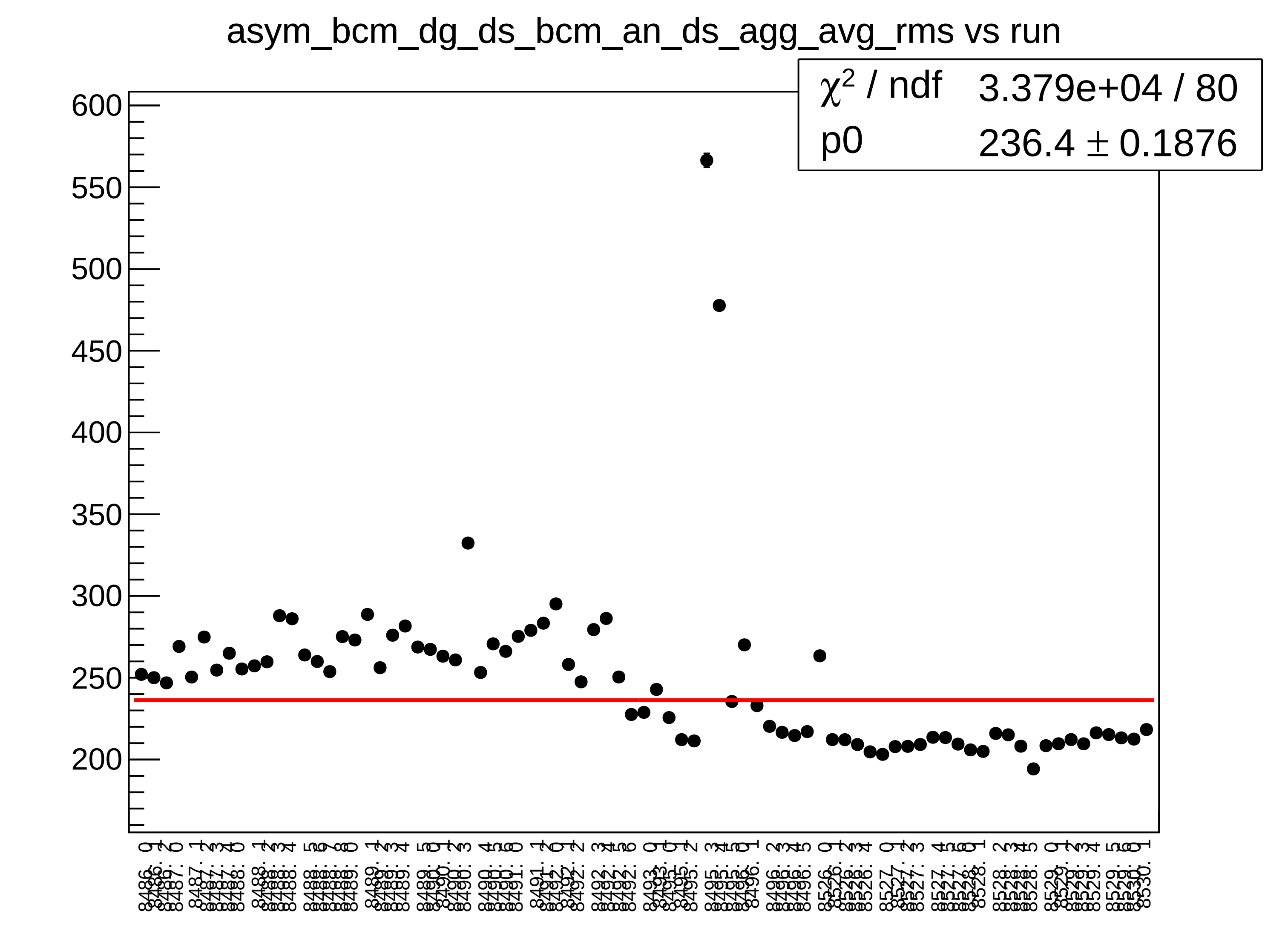
asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 82.73 / 80
p0 −44.05 ± 24.5
pull
Entries 81
Mean −144.2
Std Dev 178.9
pull1D
Entries 81
Mean −0.004502
Std Dev 1.011

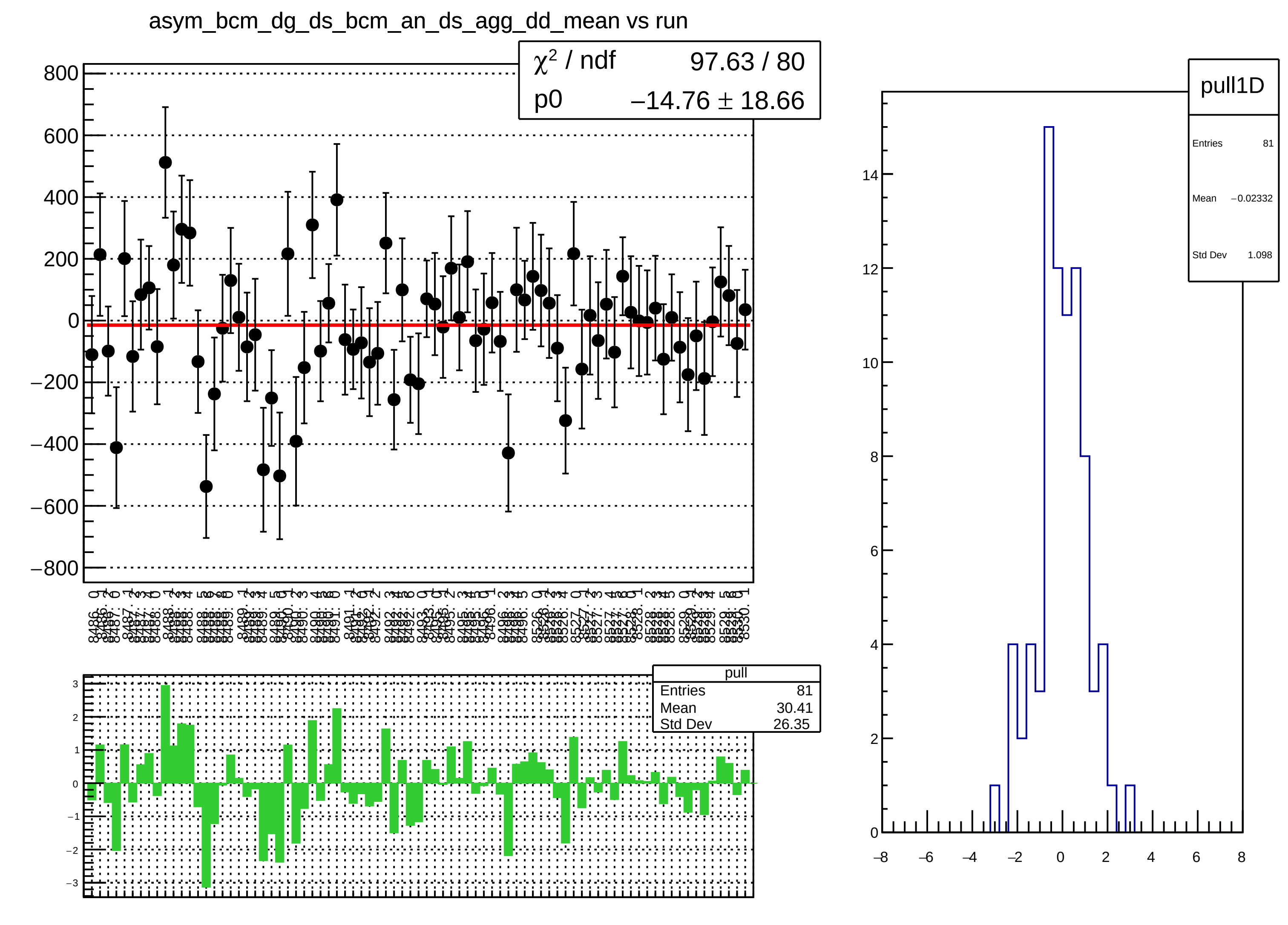


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1251 / 80
p0 22.06 ± 0.01733
25
24.5
24
23.5
23
22.5
22
21.5
21

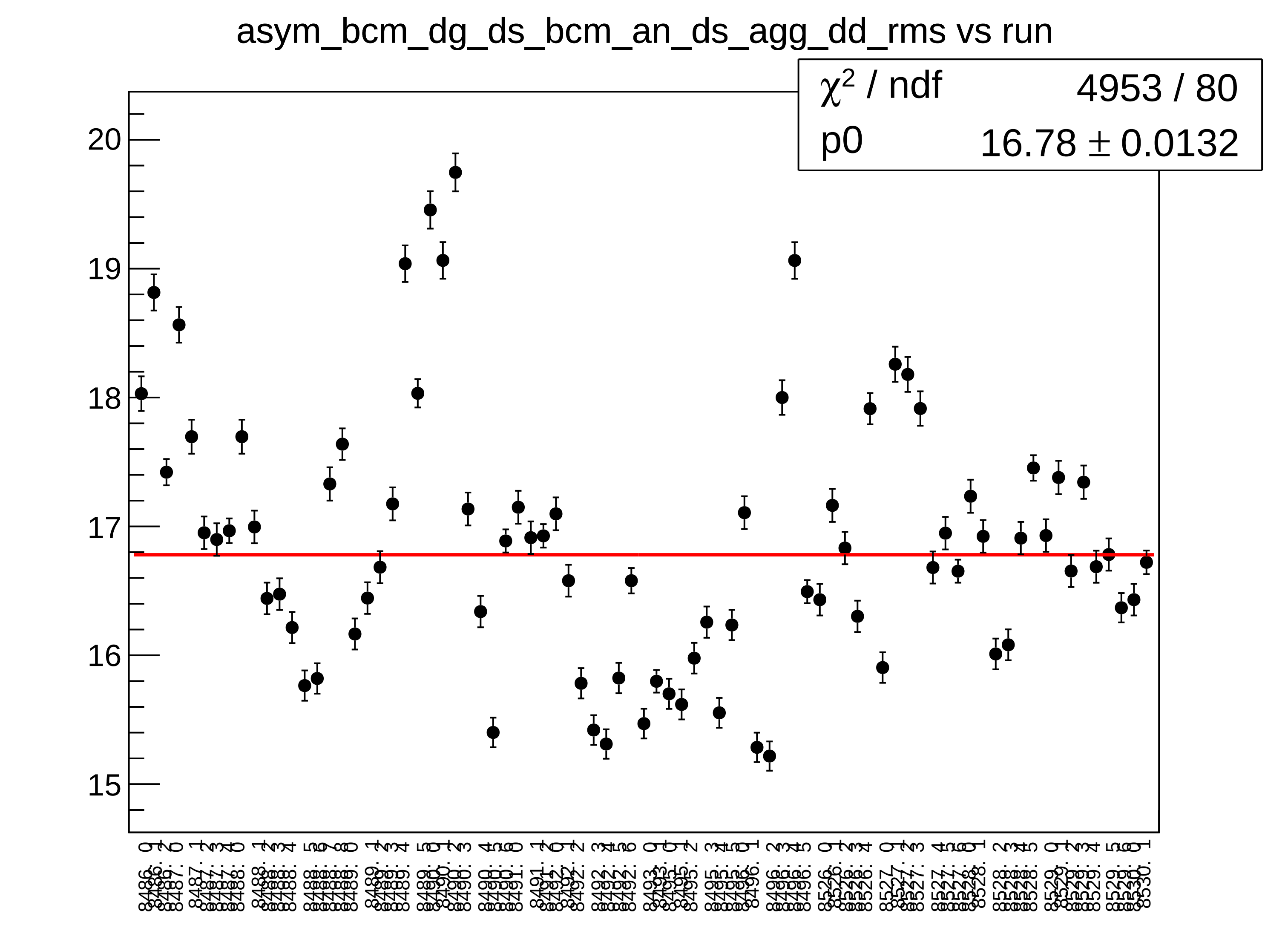


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 30.28 / 80
p0 318.9 ± 265.3
pull
Entries 81
Mean −23.91
Std Dev 76.92
pull1D
Entries 81
Mean 0.01831
Std Dev 0.6112

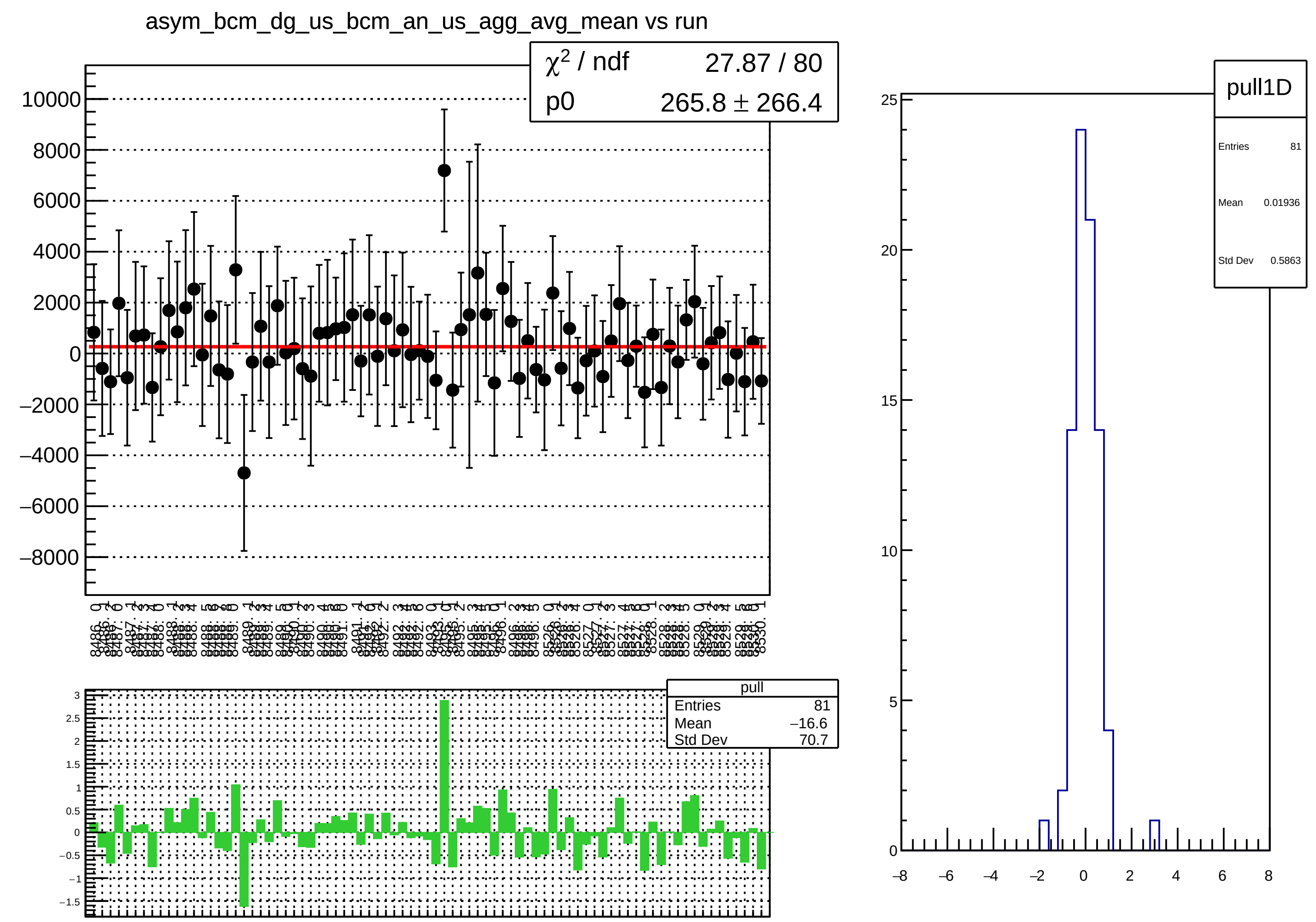

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 3.379e+04 / 80
p0 236.4 ± 0.1876
600
550
500
450
400
350
300
250
200

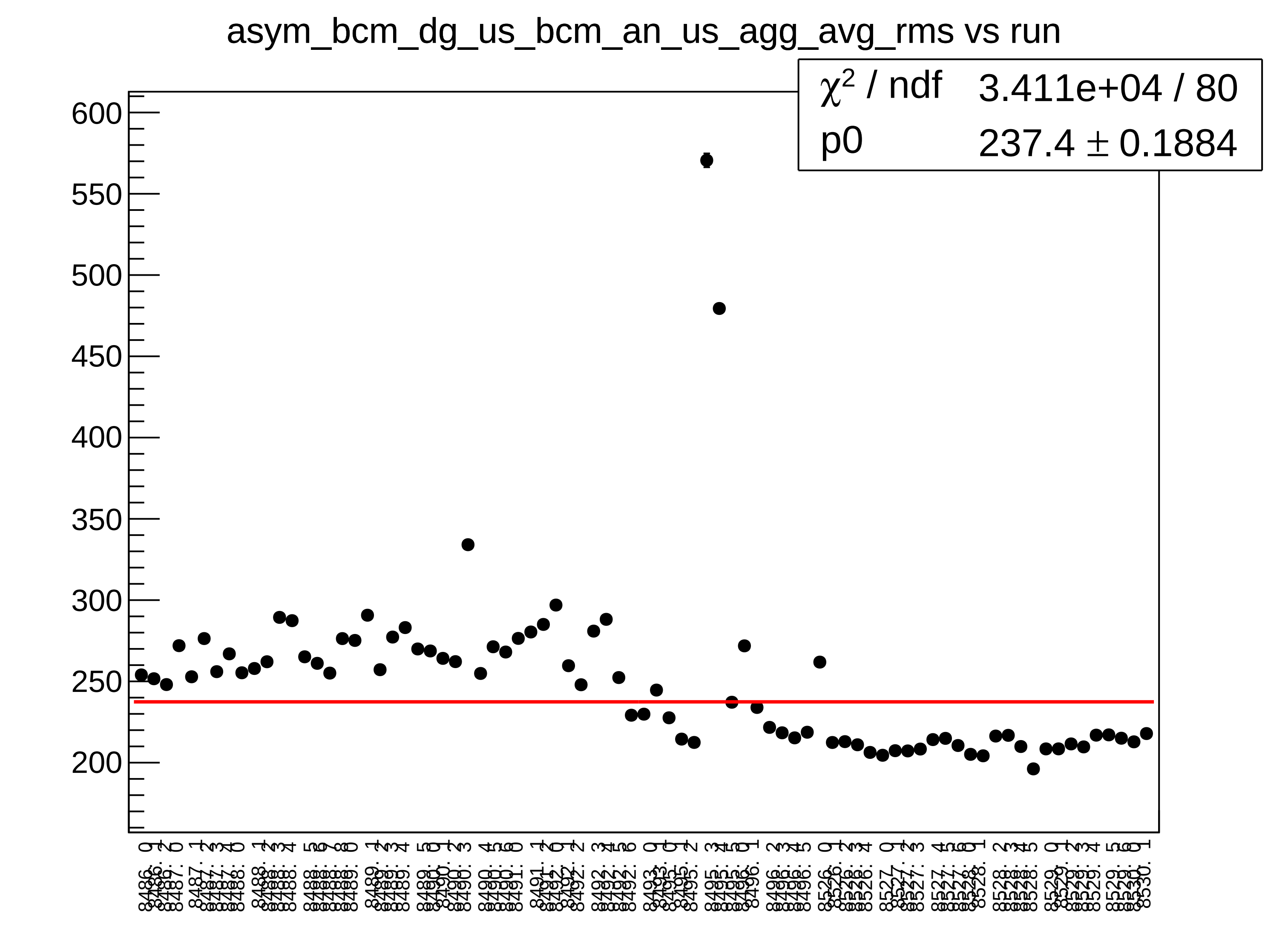


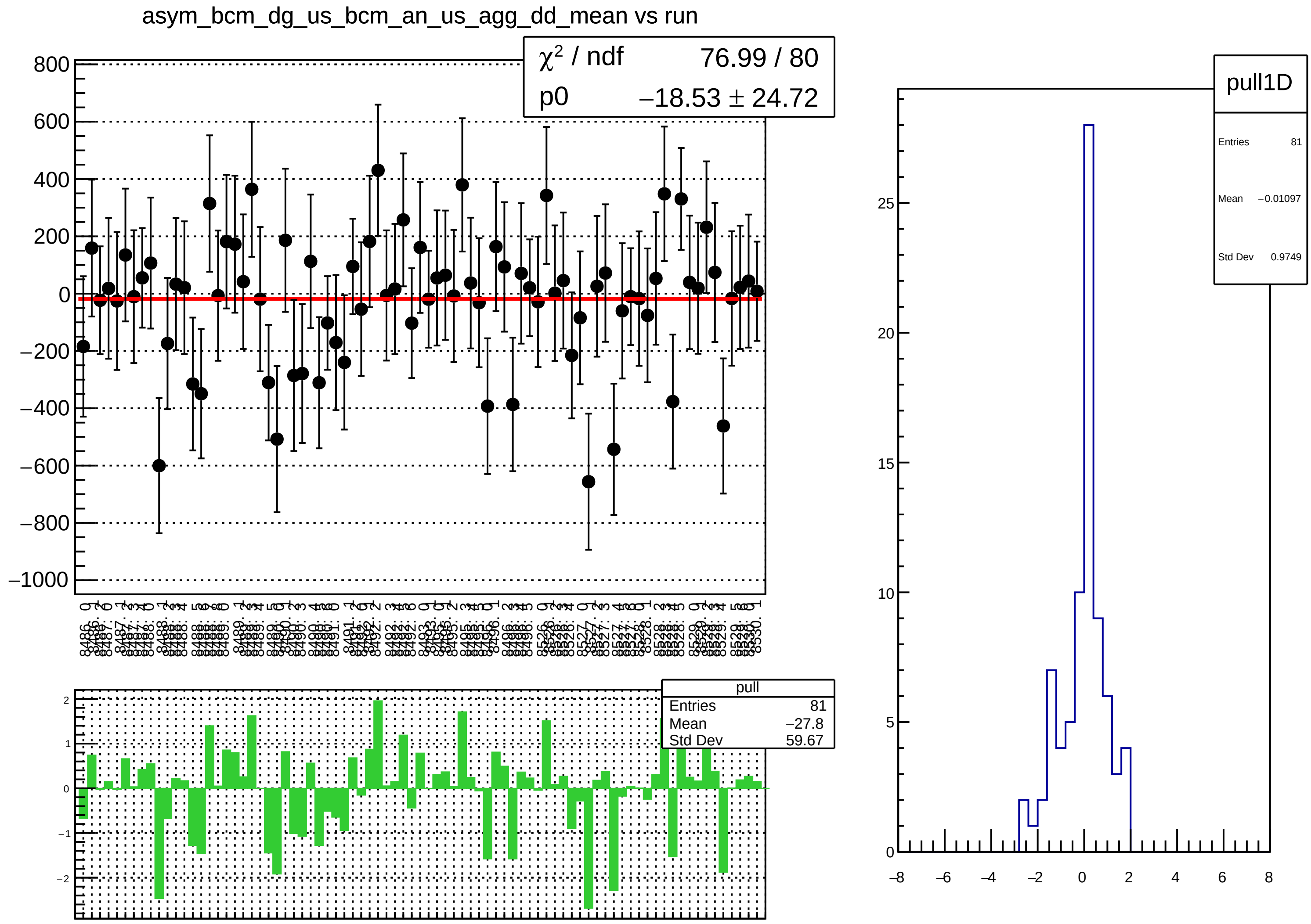
asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 97.63 / 80
p0 −14.76 ± 18.66
pull
Entries 81
Mean 30.41
Std Dev 26.35
pull1D
Entries 81
Mean −0.02332
Std Dev 1.098



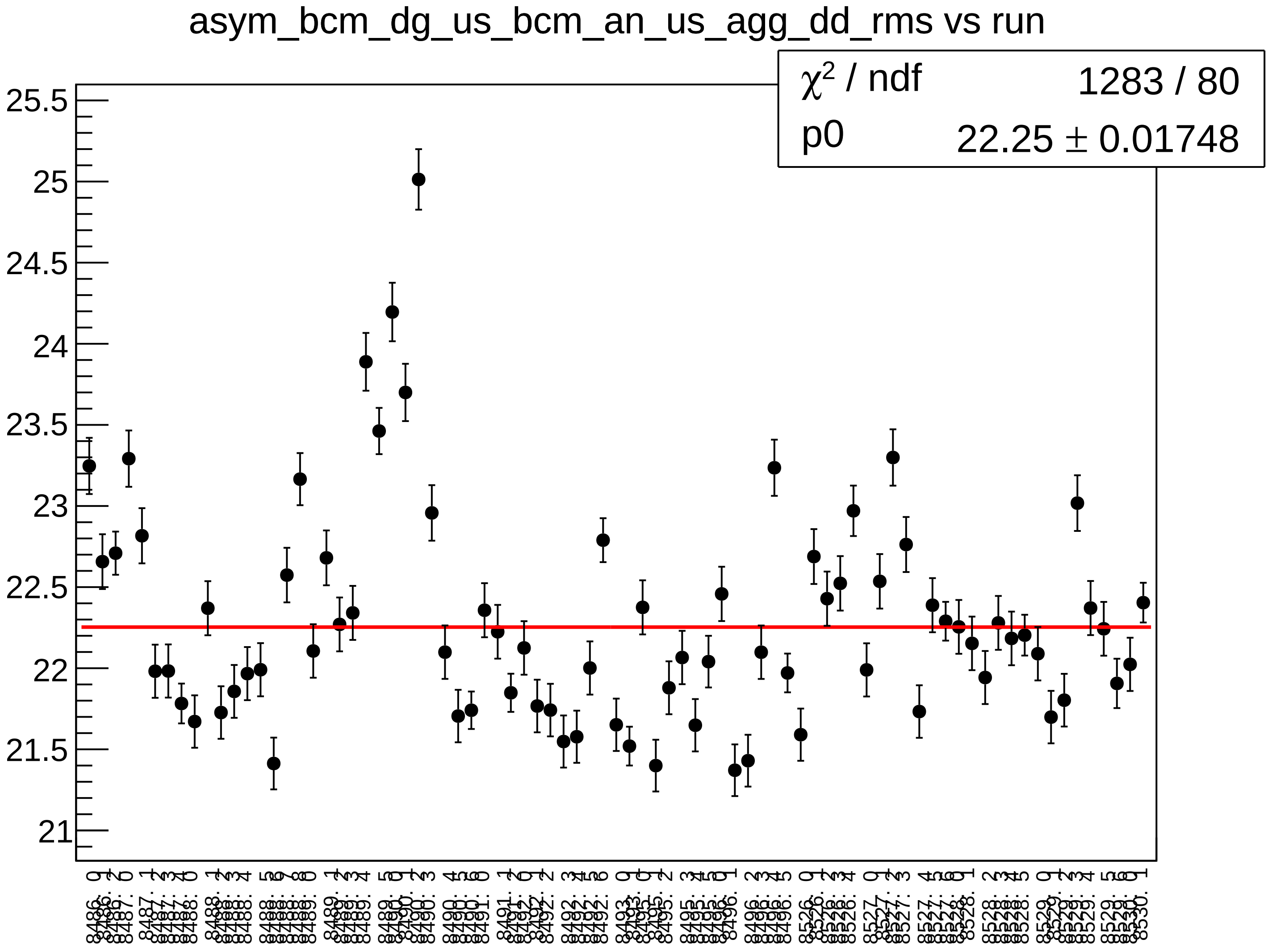
asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 4953 / 80
p0 16.78 ± 0.0132


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 27.87 / 80
p0 265.8 ± 266.4
pull
Entries 81
Mean −16.6
Std Dev 70.7
pull1D
Entries 81
Mean 0.01936
Std Dev 0.5863

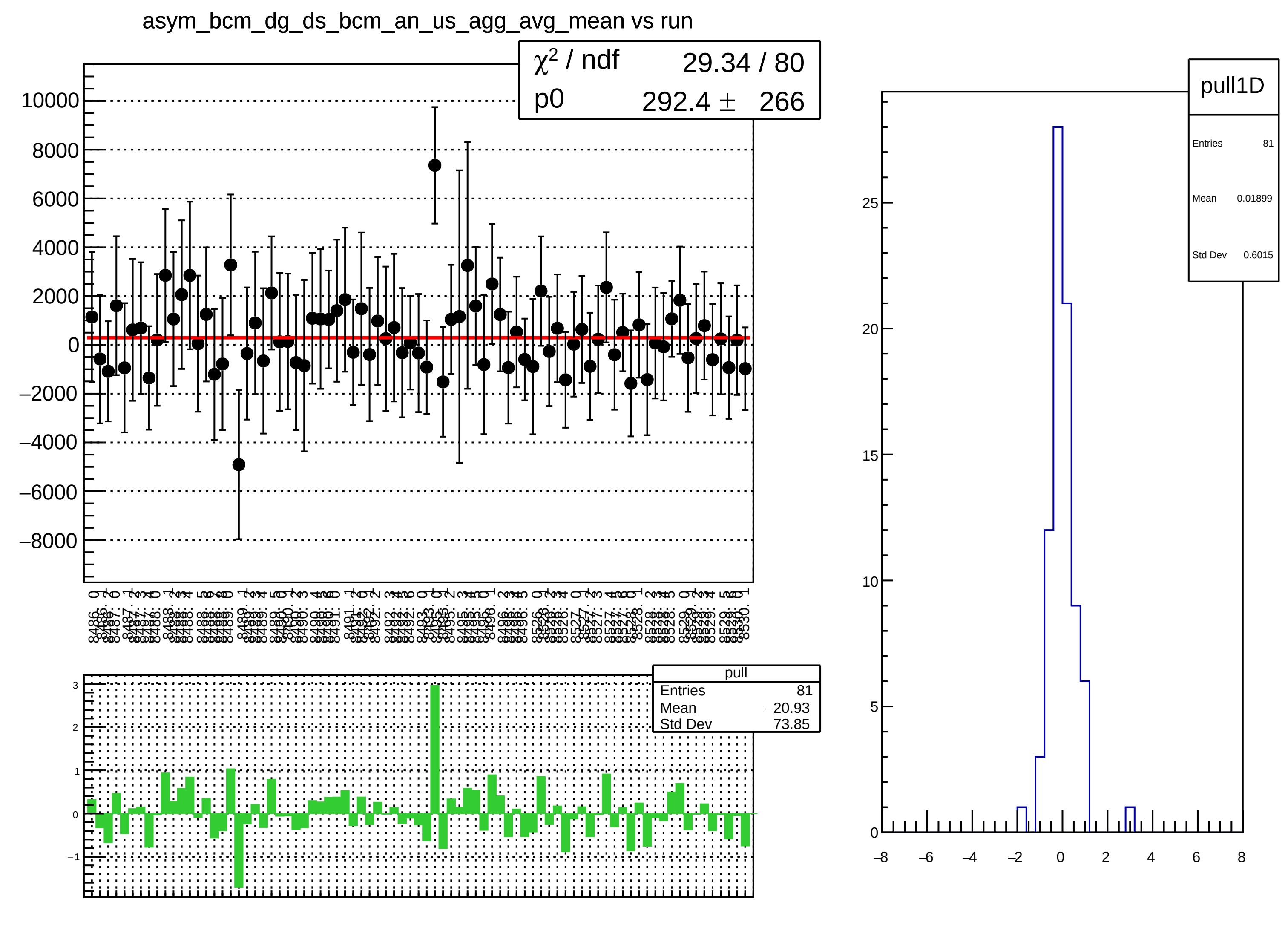

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 3.411e+04 / 80
p0 237.4 ± 0.1884
600
550
500
450
400
350
300
250
200



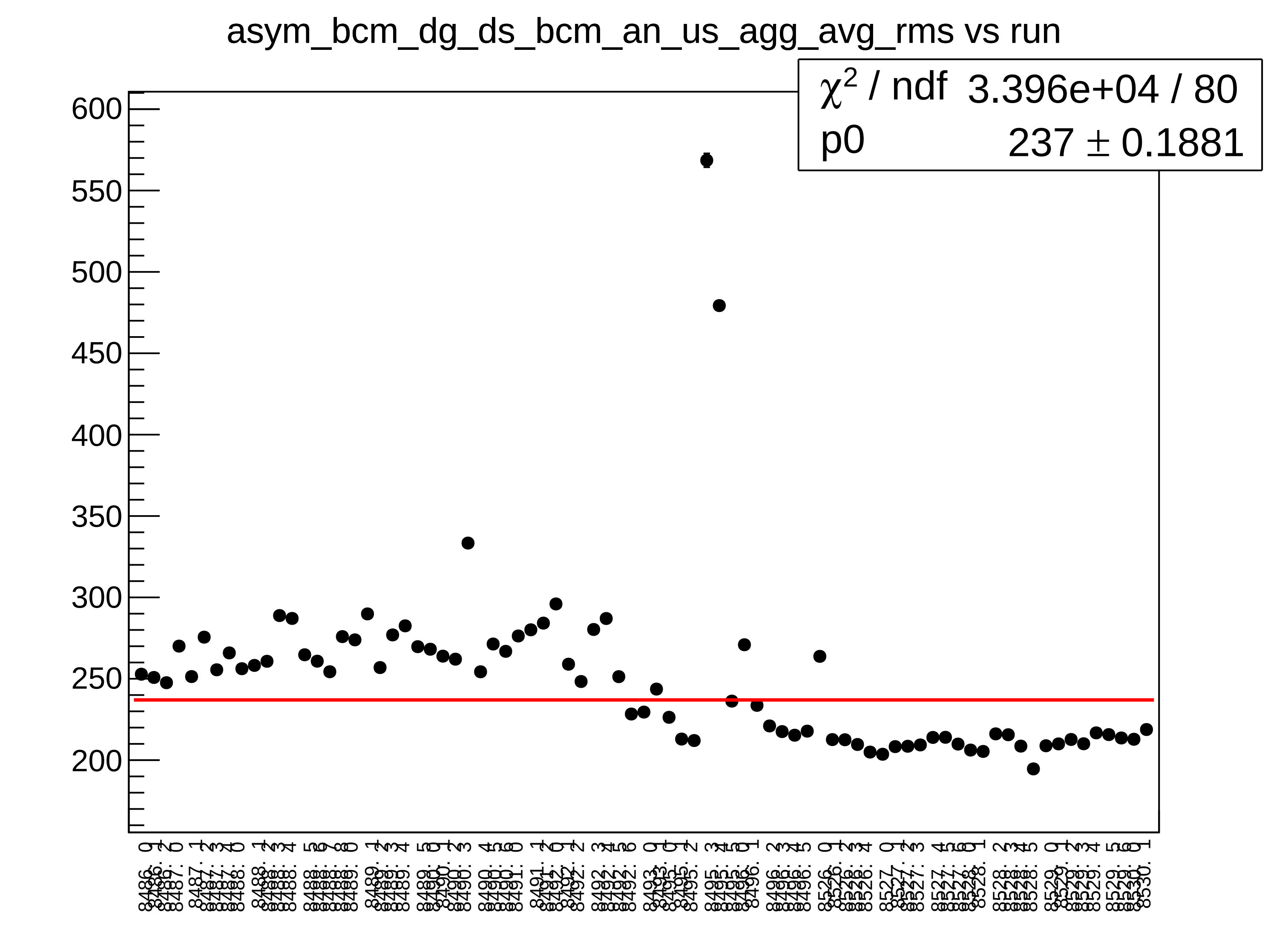
asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 76.99 / 80
p0 −18.53 ± 24.72
pull
Entries 81
Mean −27.8
Std Dev 59.67
pull1D
Entries 81
Mean −0.01097
Std Dev 0.9749



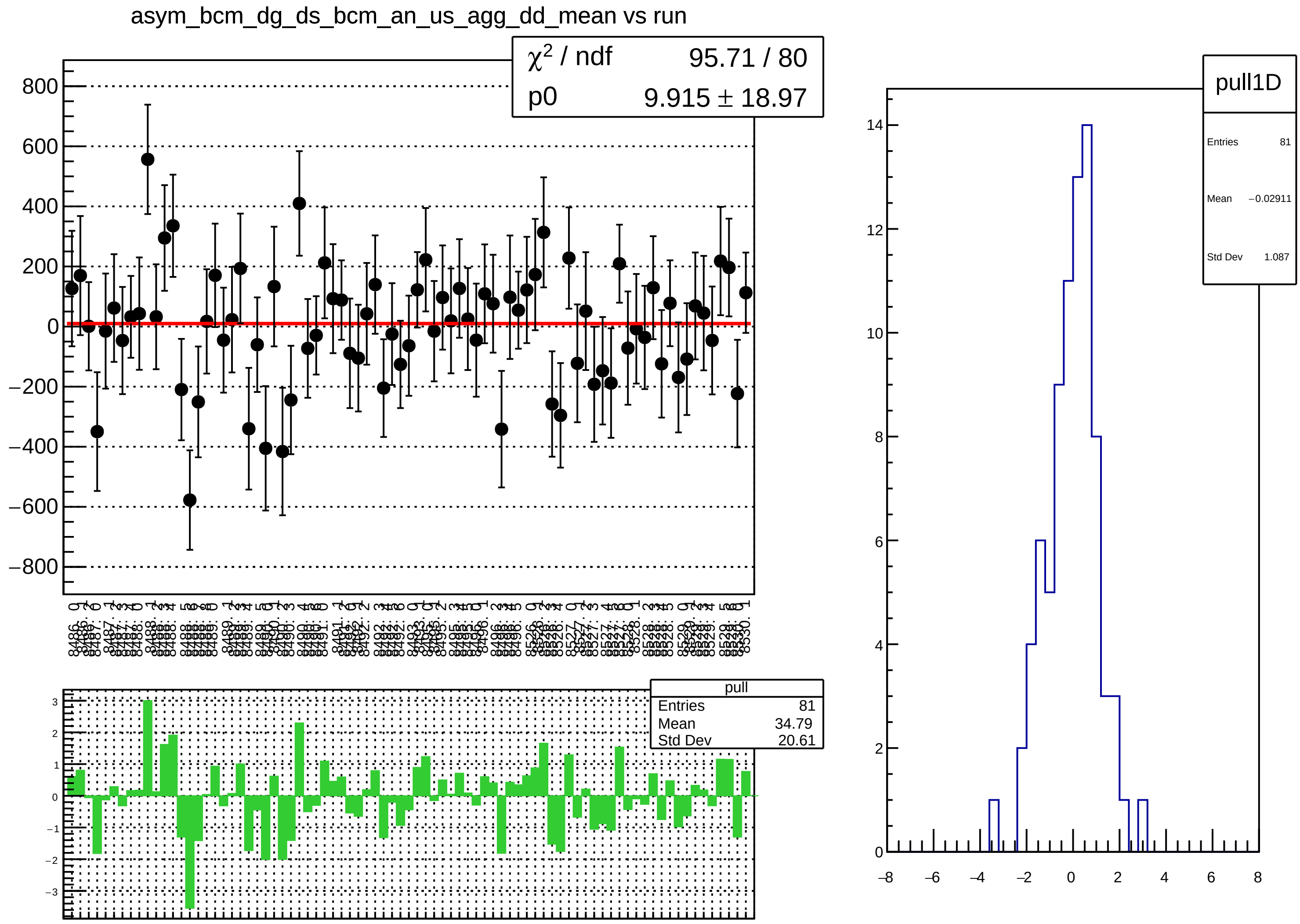
asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 1283 / 80
p0 22.25 ± 0.01748
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21



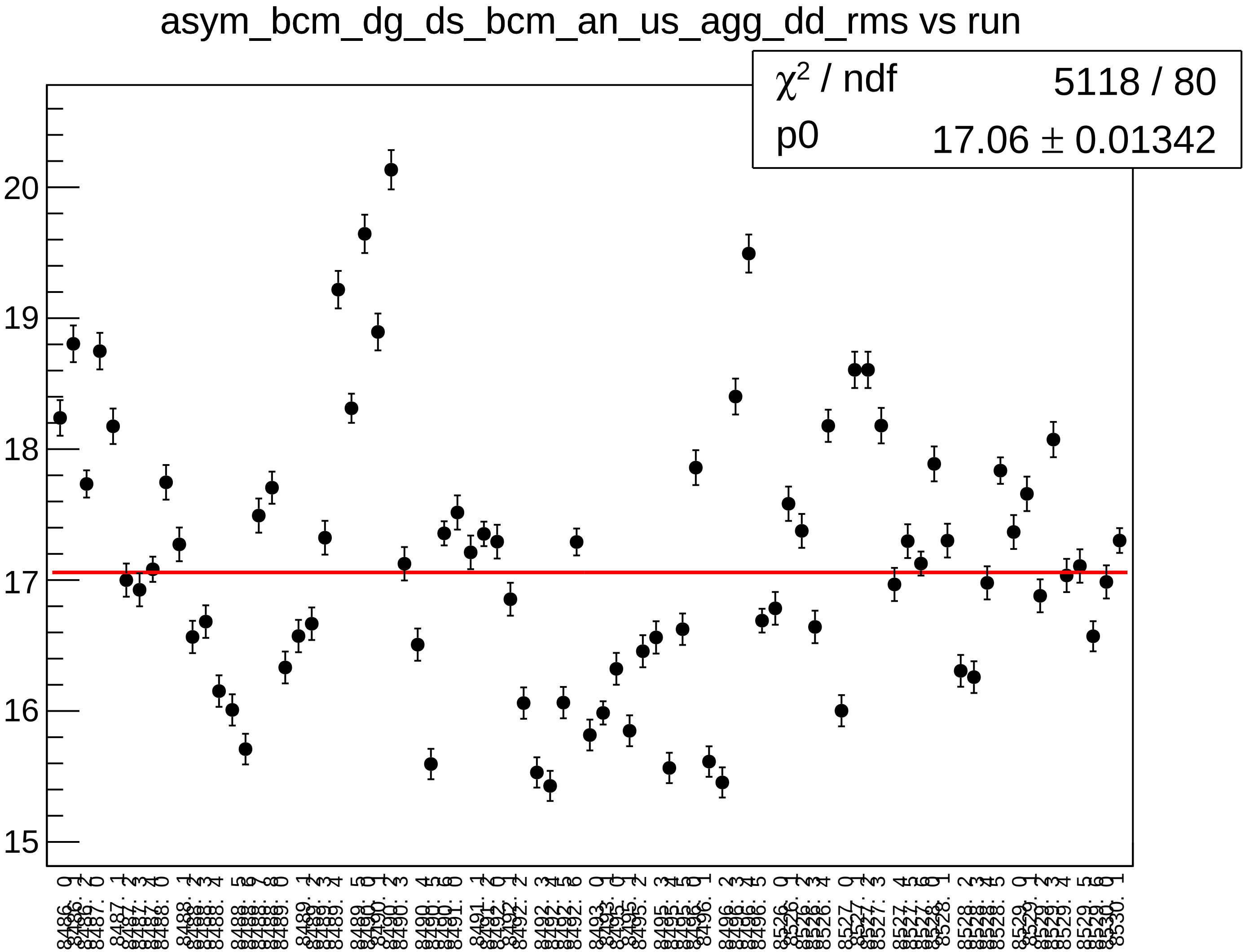
asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 29.34 / 80
p0 292.4 ± 266
pull
Entries 81
Mean −20.93
Std Dev 73.85
pull1D
Entries 81
Mean 0.01899
Std Dev 0.6015



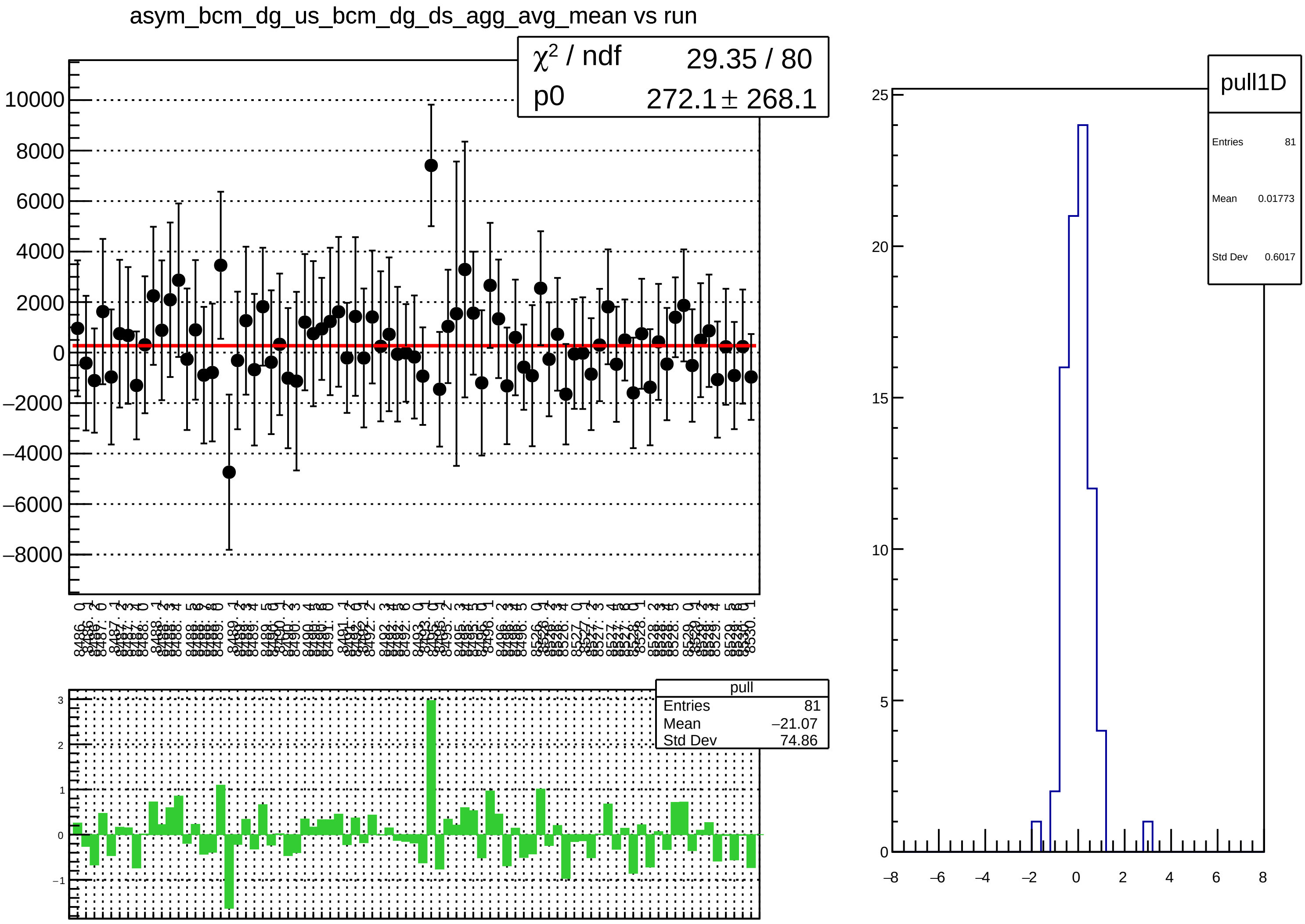
asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 3.396e+04 / 80
p0 237 ± 0.1881
600
550
500
450
400
350
300
250
200



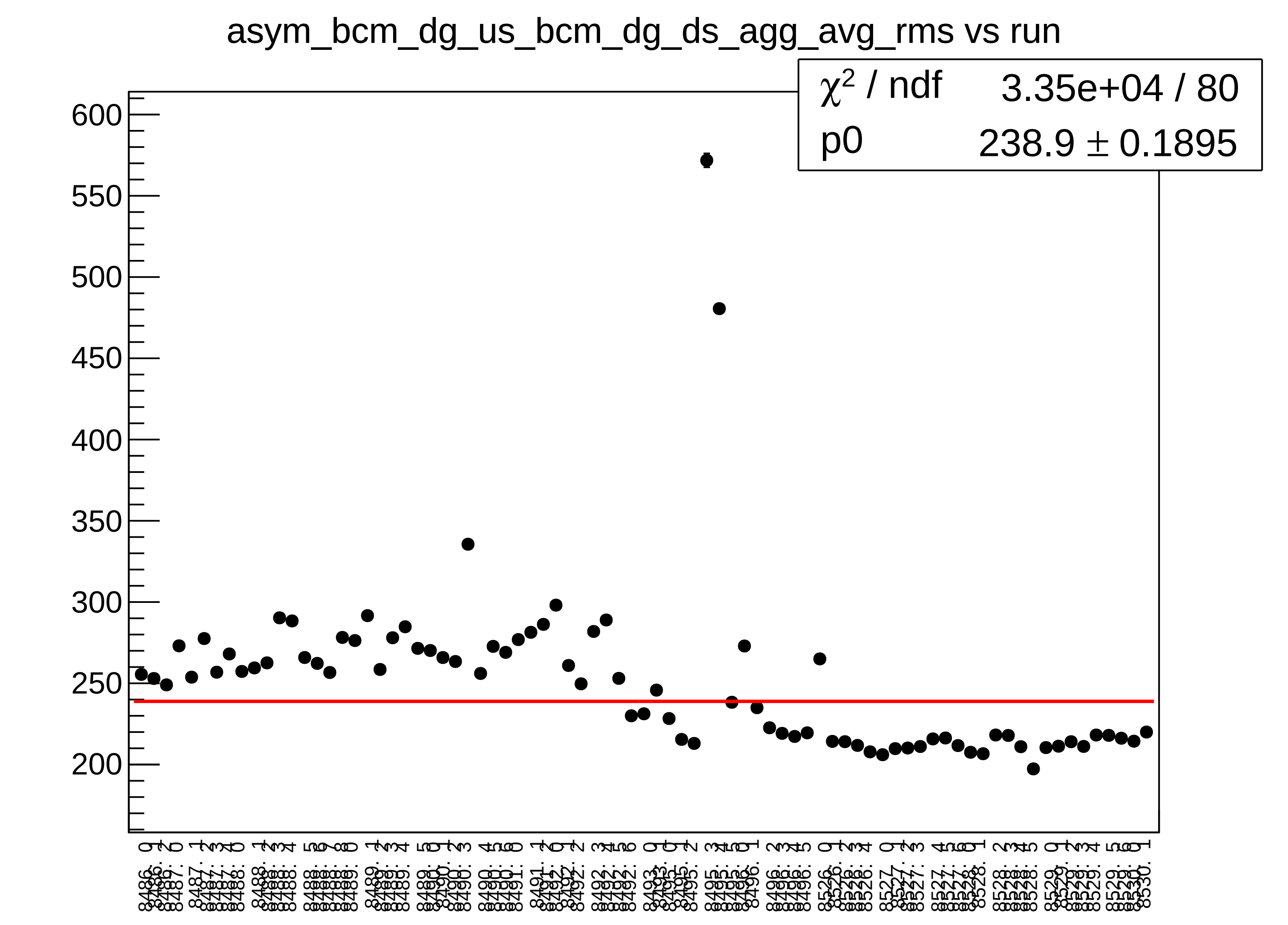
asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 95.71 / 80
p0 9.915 ± 18.97
pull
Entries 81
Mean 34.79
Std Dev 20.61
pull1D
Entries 81
Mean −0.02911
Std Dev 1.087



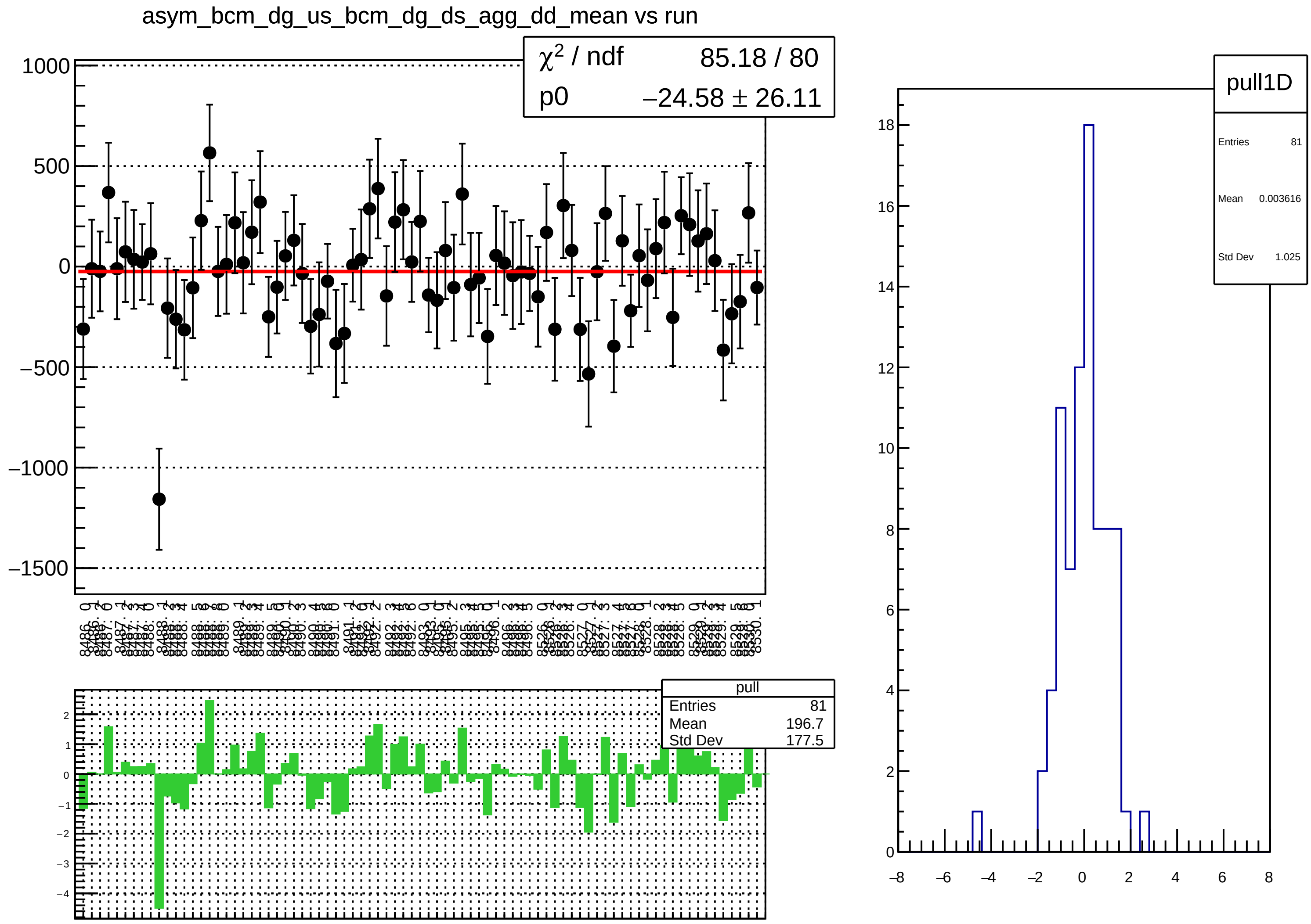
asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 5118 / 80
p0 17.06 ± 0.01342
20
19
18
17
16
15



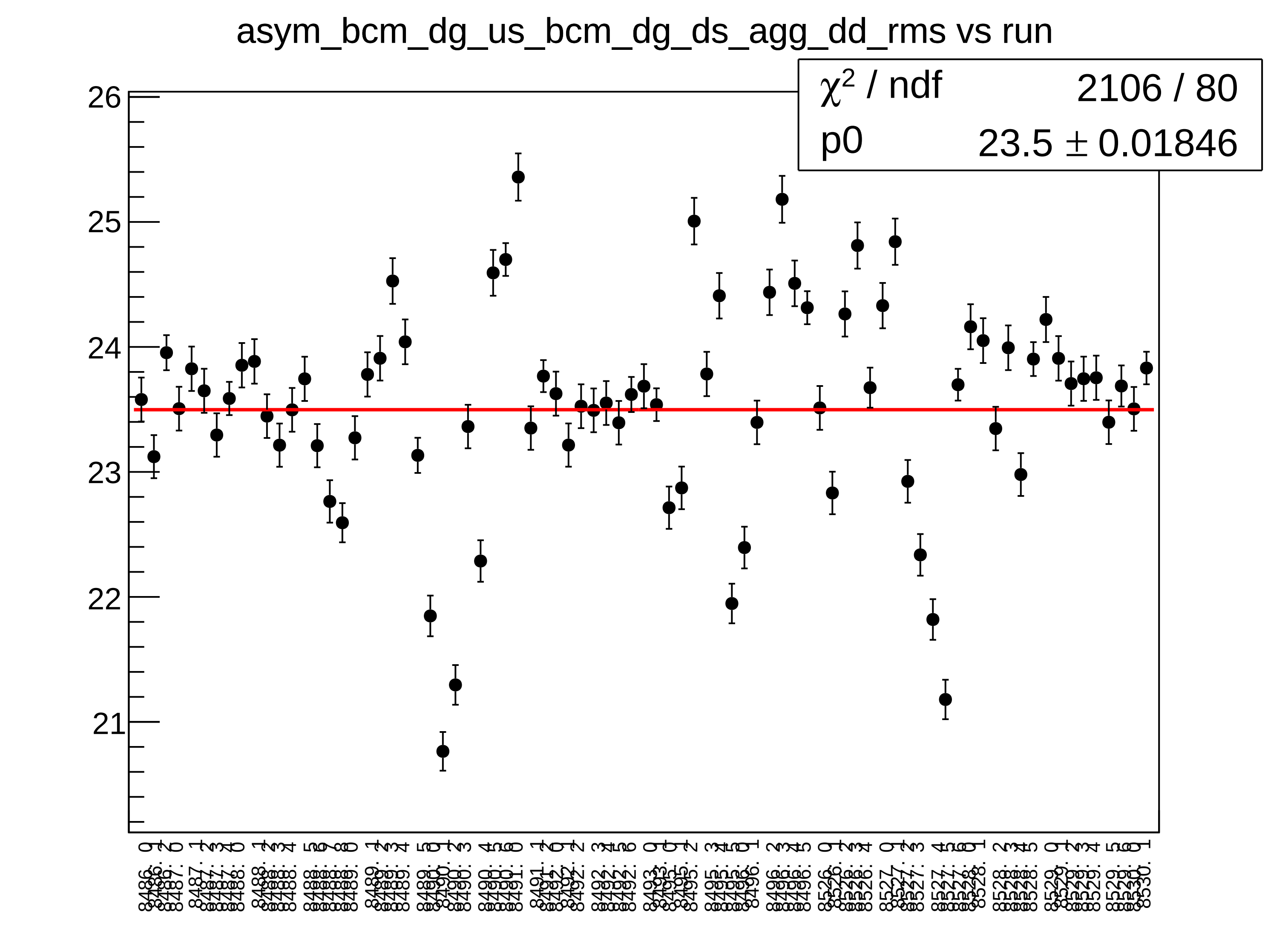
asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 29.35 / 80
p0 272.1 ± 268.1
pull
Entries 81
Mean −21.07
Std Dev 74.86
pull1D
Entries 81
Mean 0.01773
Std Dev 0.6017



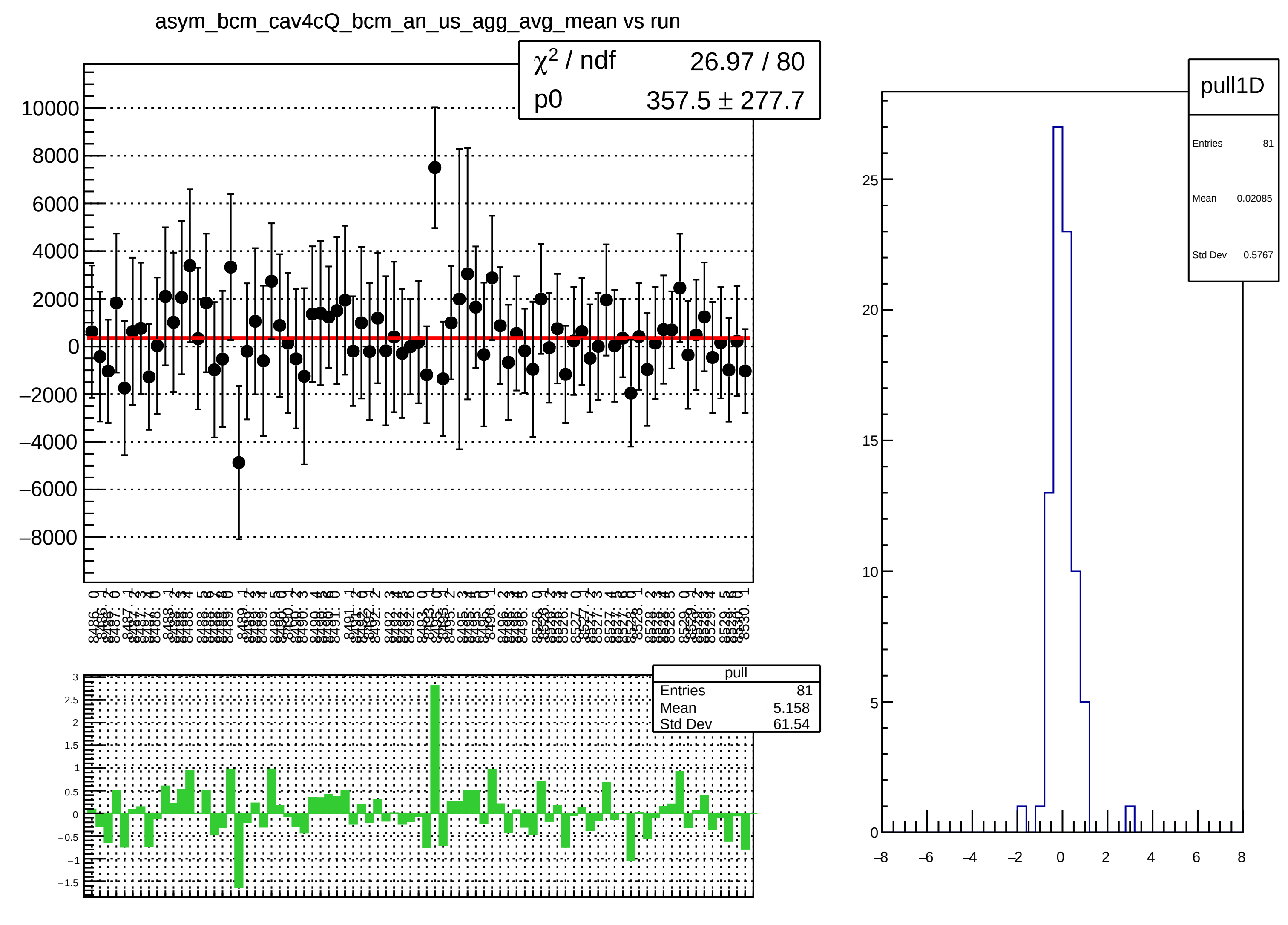
asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 3.35e+04 / 80
p0 238.9 ± 0.1895

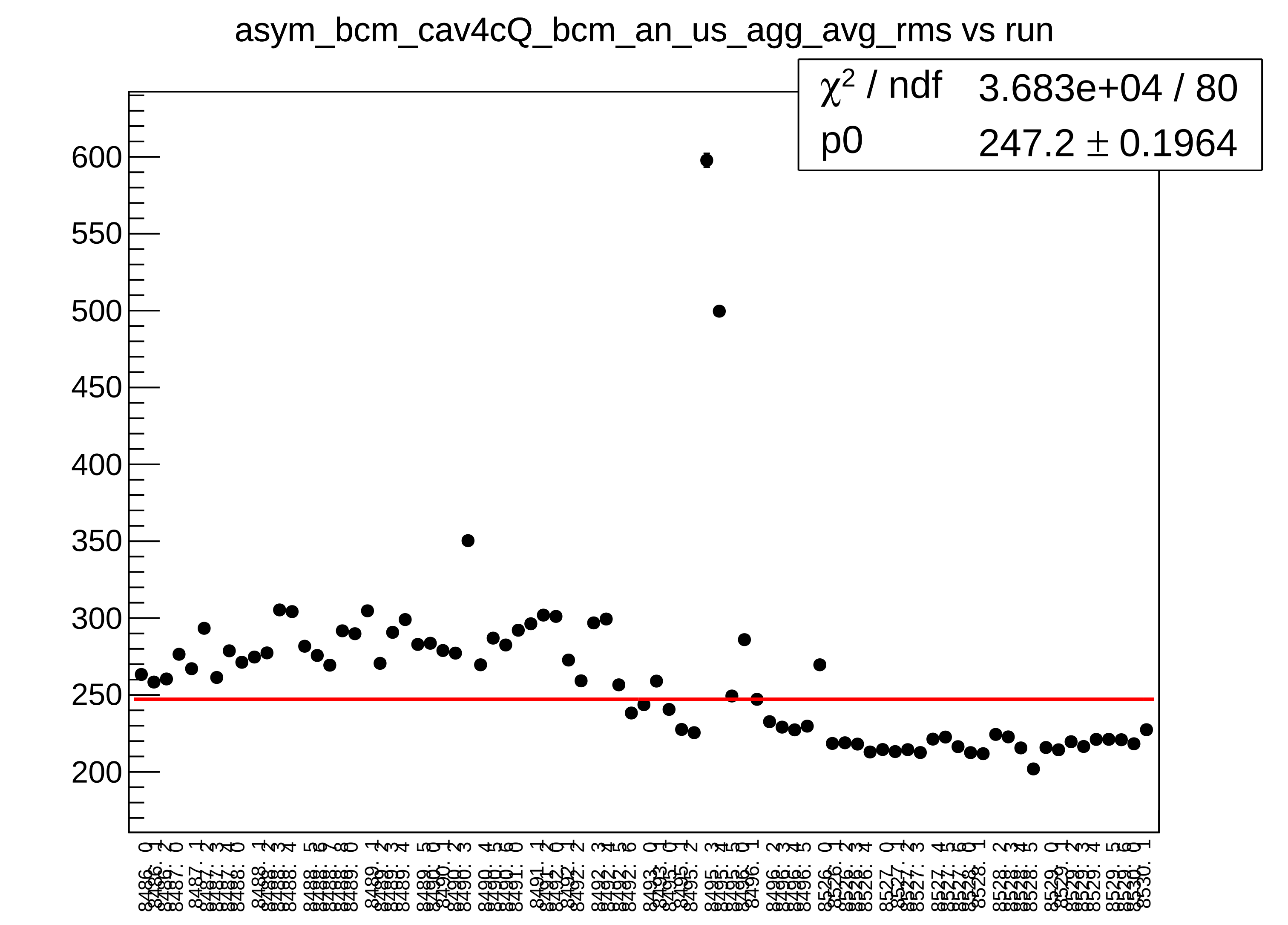


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 85.18 / 80
p0 −24.58 ± 26.11
pull
Entries 81
Mean 196.7
Std Dev 177.5
pull1D
Entries 81
Mean 0.003616
Std Dev 1.025

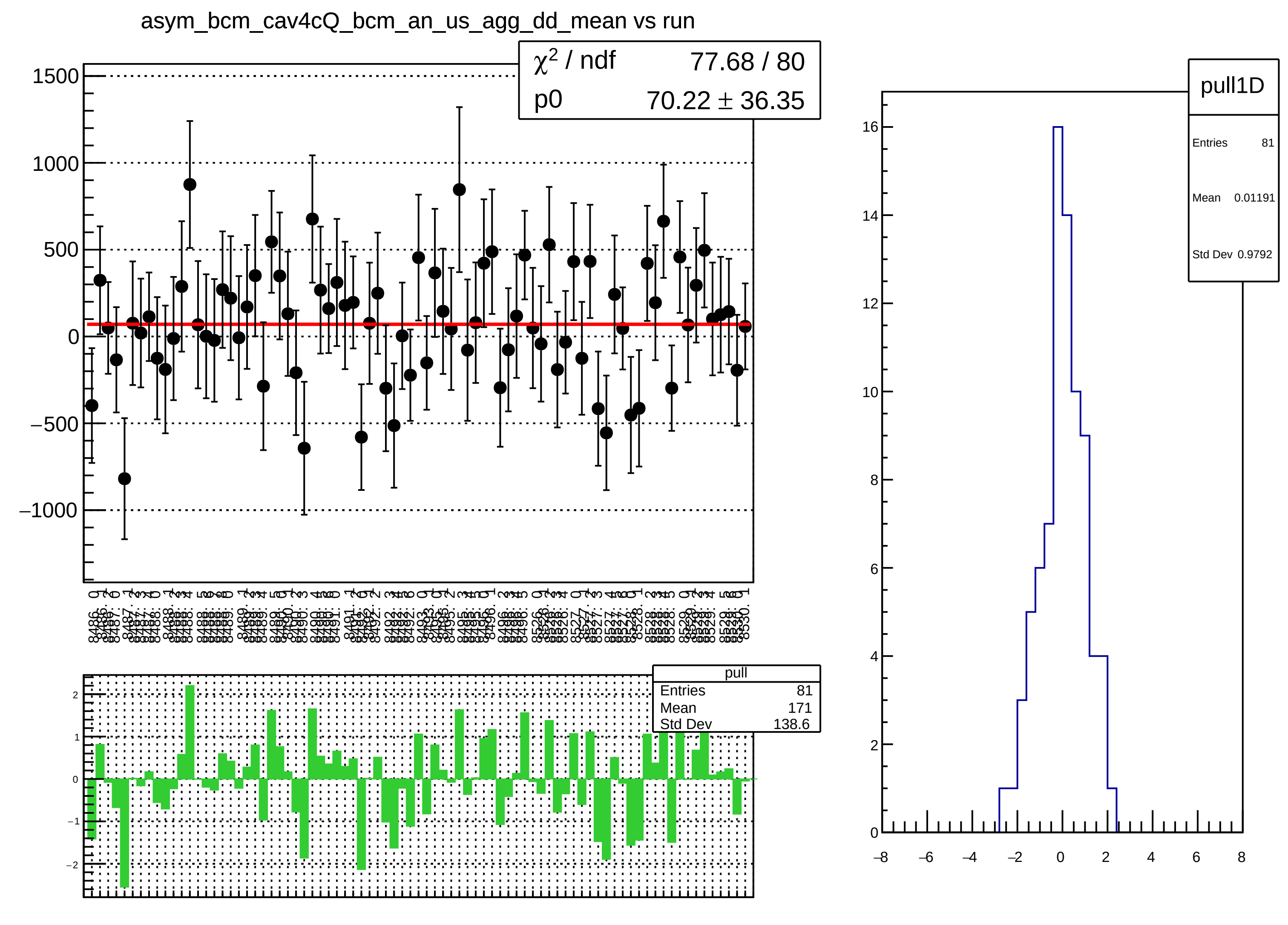


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 2106 / 80
p0 23.5 ± 0.01846
26
25
24
23
22
21

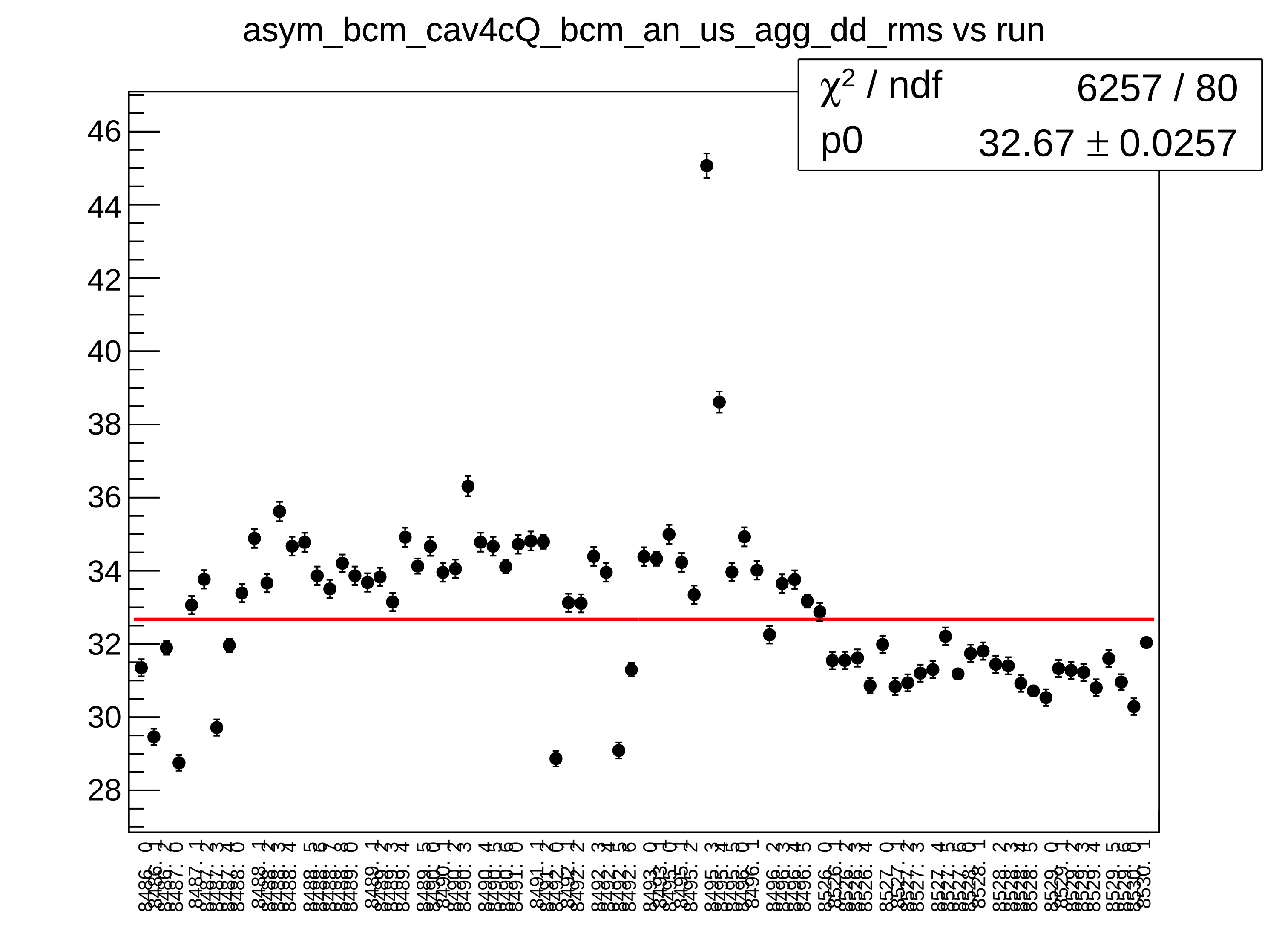

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 26.97 / 80
p0 357.5 ± 277.7
pull
Entries 81
Mean −5.158
Std Dev 61.54
pull1D
Entries 81
Mean 0.02085
Std Dev 0.5767



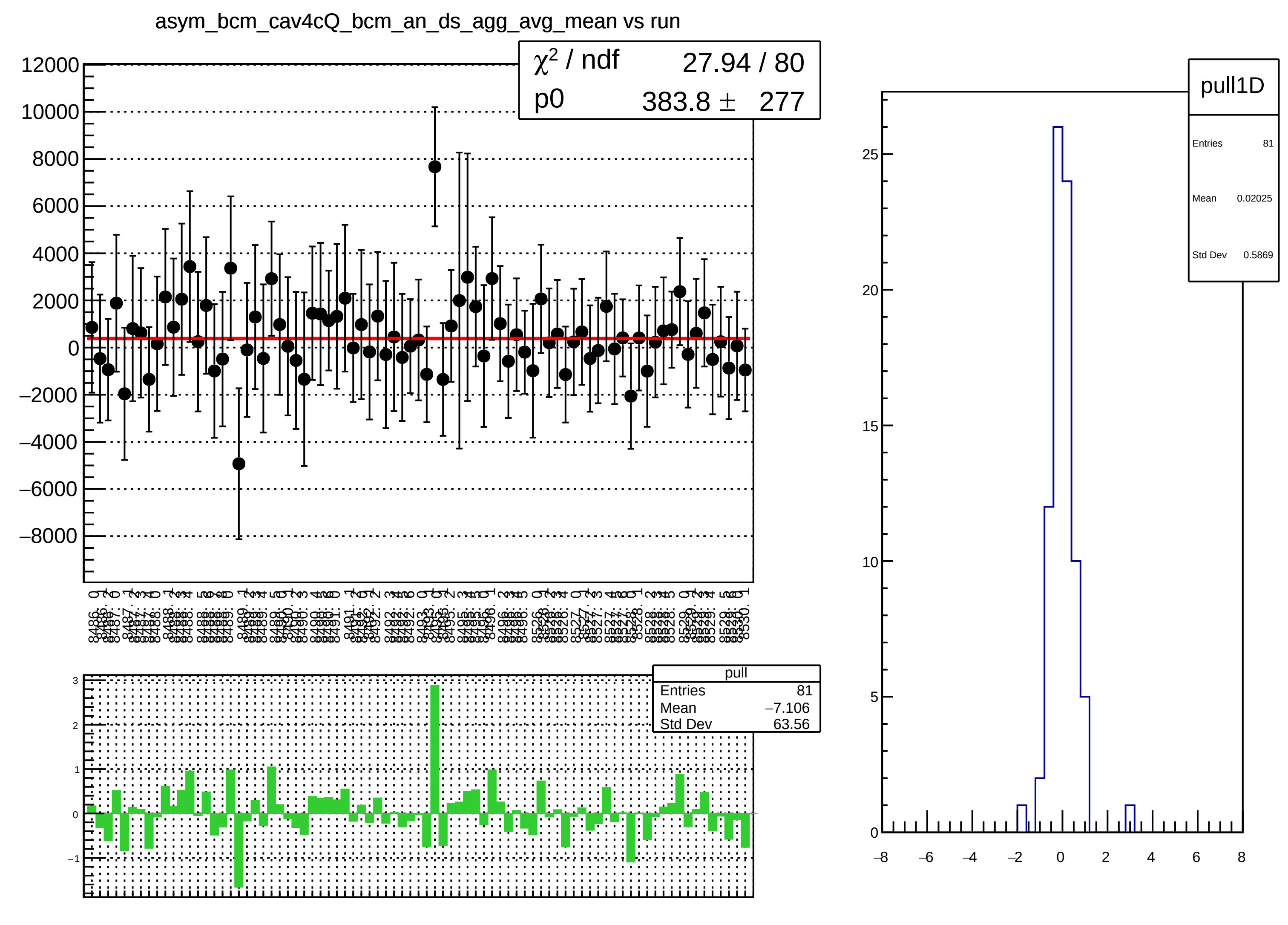
asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 3.683e+04 / 80
p0 247.2 ± 0.1964
600
550
500
450
400
350
300
250
200

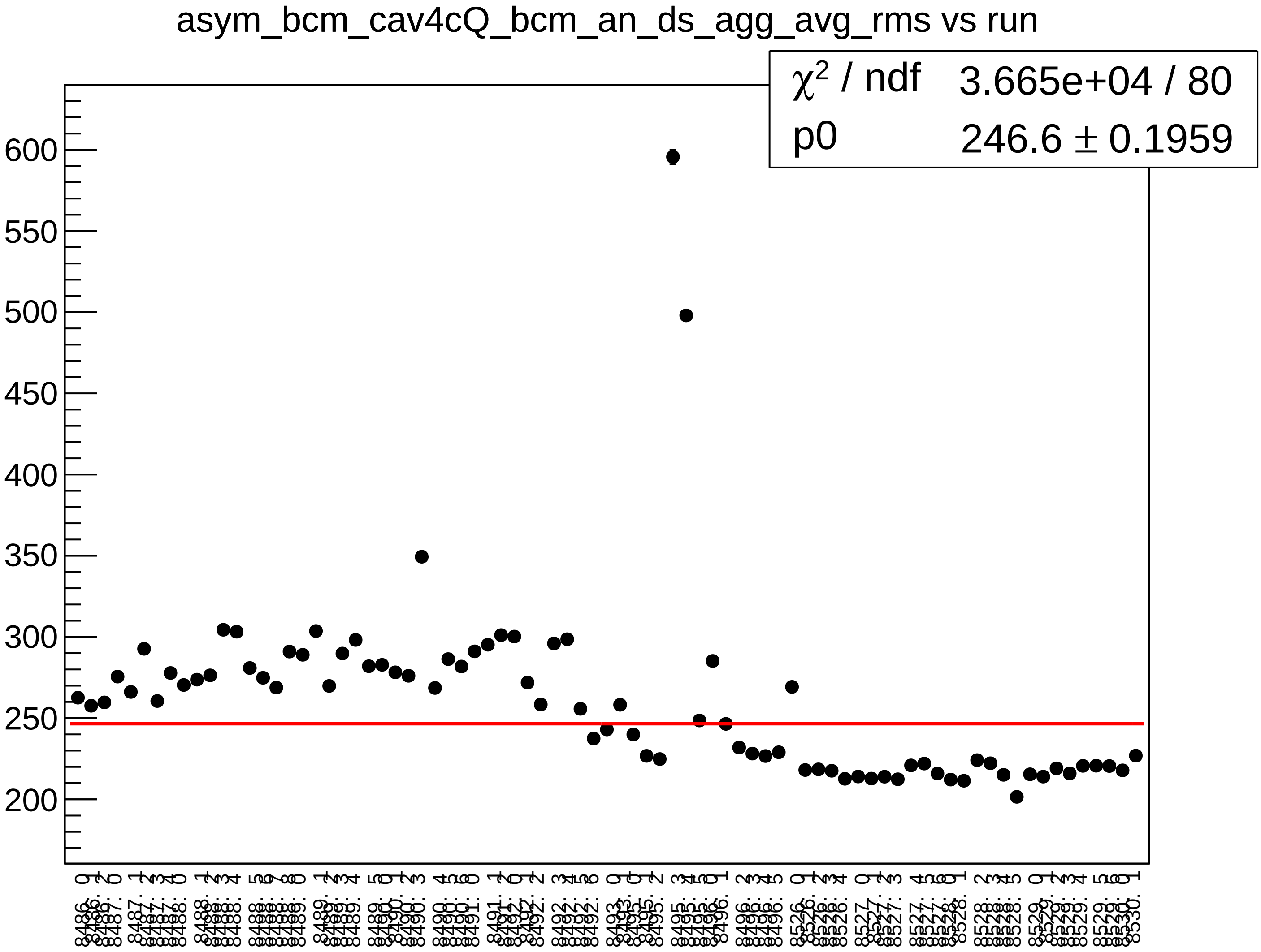


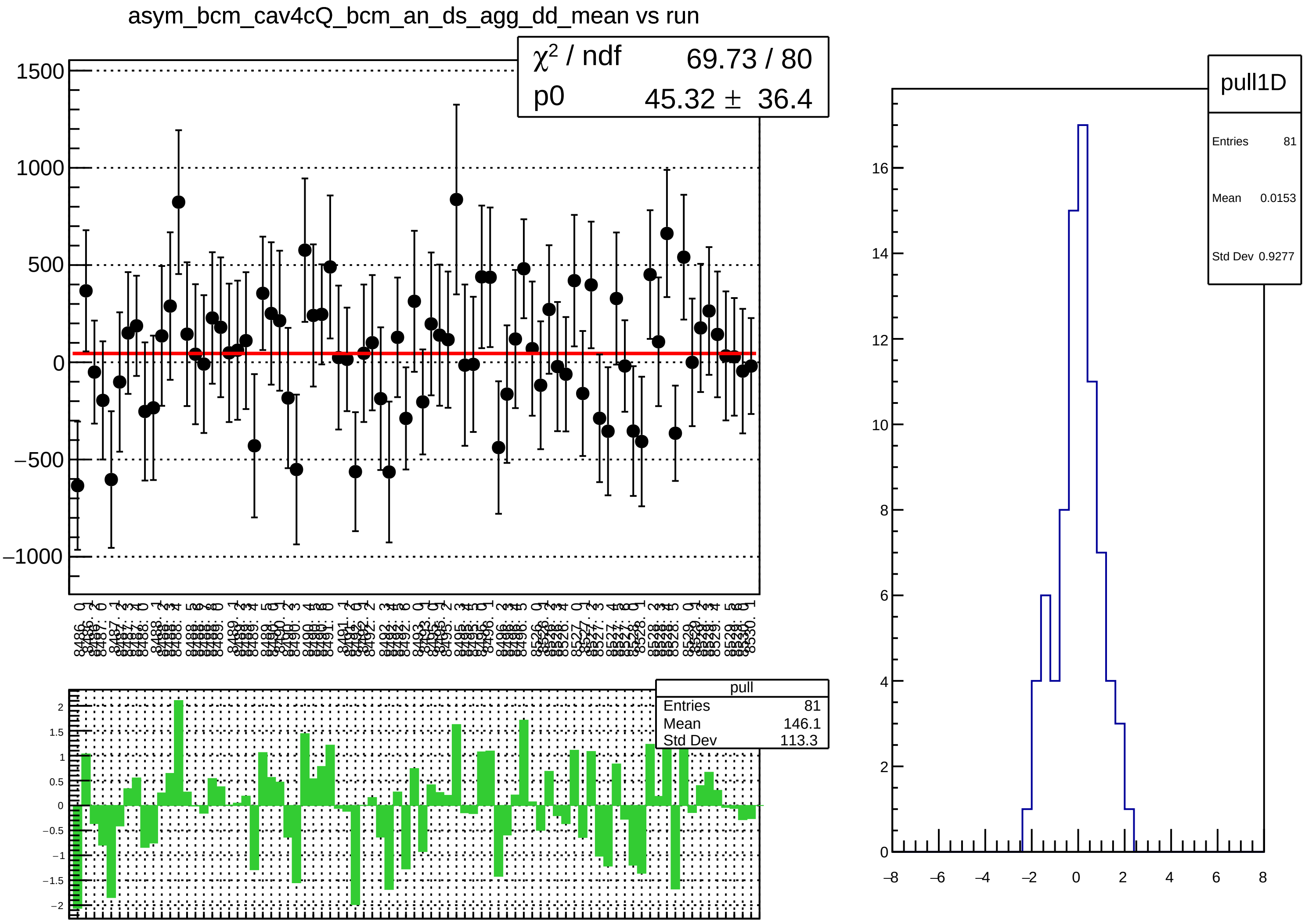
asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 77.68 / 80
p0 70.22 ± 36.35
pull
Entries 81
Mean 171
Std Dev 138.6
pull1D
Entries 81
Mean 0.01191
Std Dev 0.9792



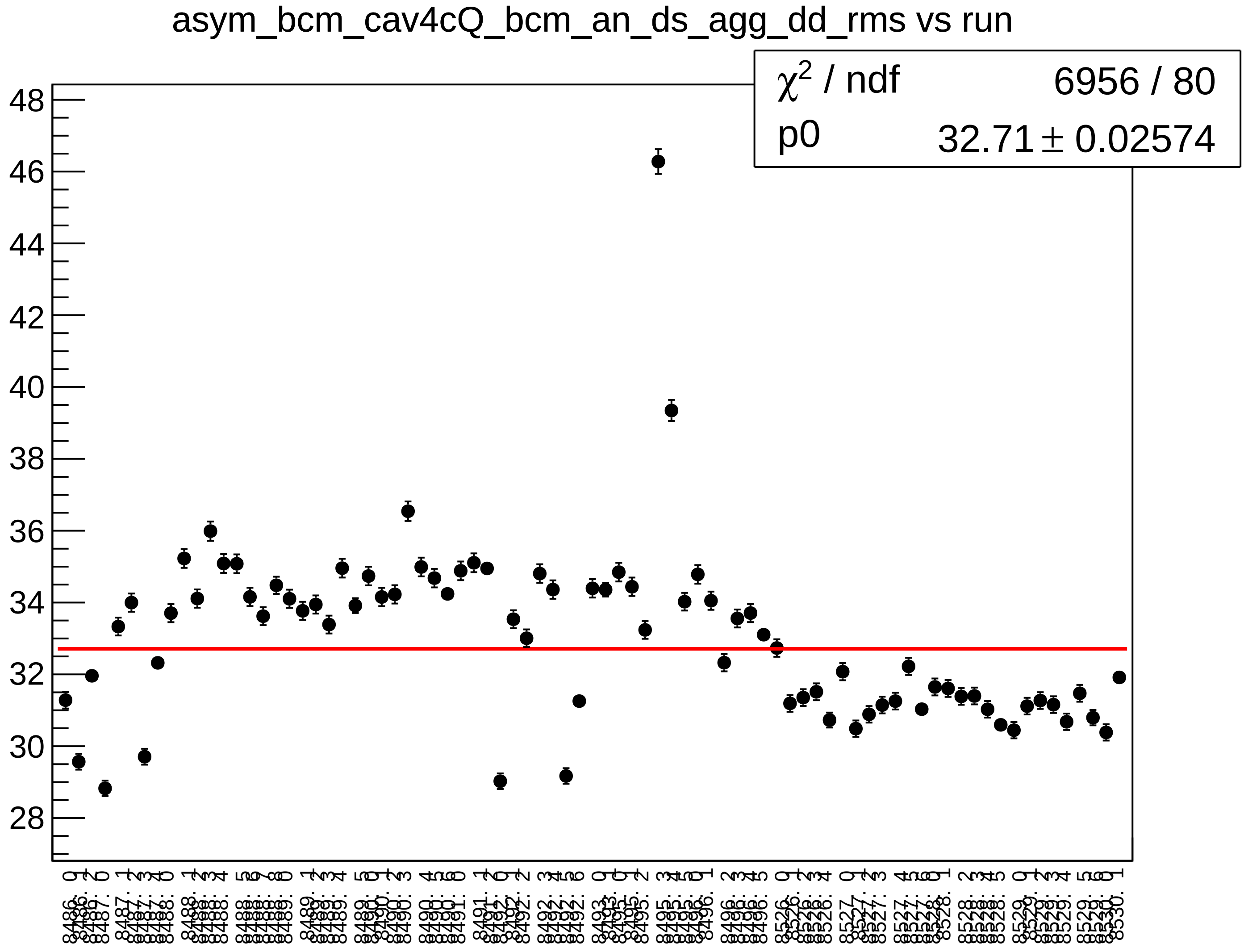
asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 6257 / 80
p0 32.67 ± 0.0257
46
44
42
40
38
36
34
32
30
28

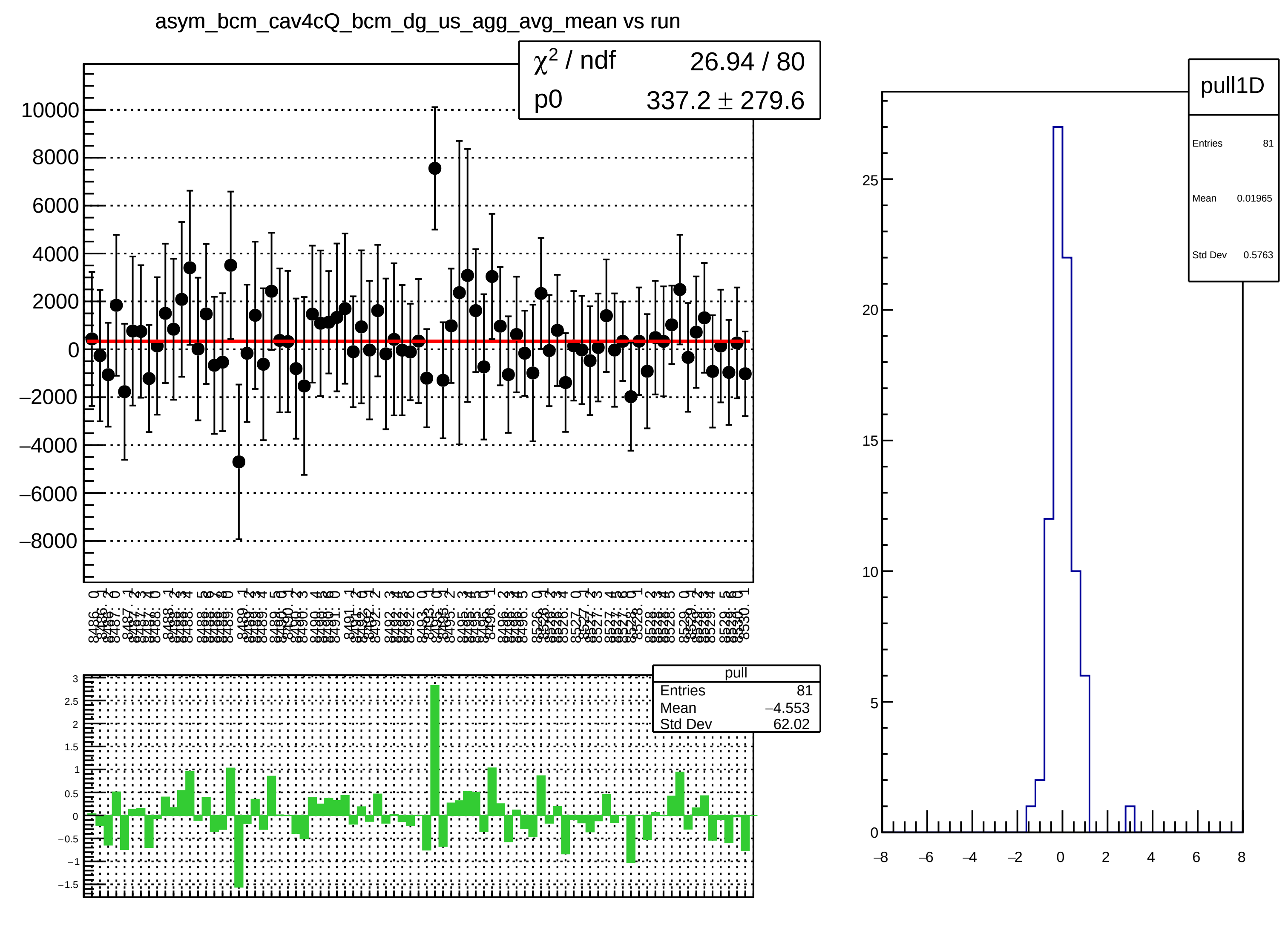

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 27.94 / 80
p0 383.8 ± 277
pull
Entries 81
Mean −7.106
Std Dev 63.56
pull1D
Entries 81
Mean 0.02025
Std Dev 0.5869


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.665e+04 / 80
p0 246.6 ± 0.1959
600
550
500
450
400
350
300
250
200

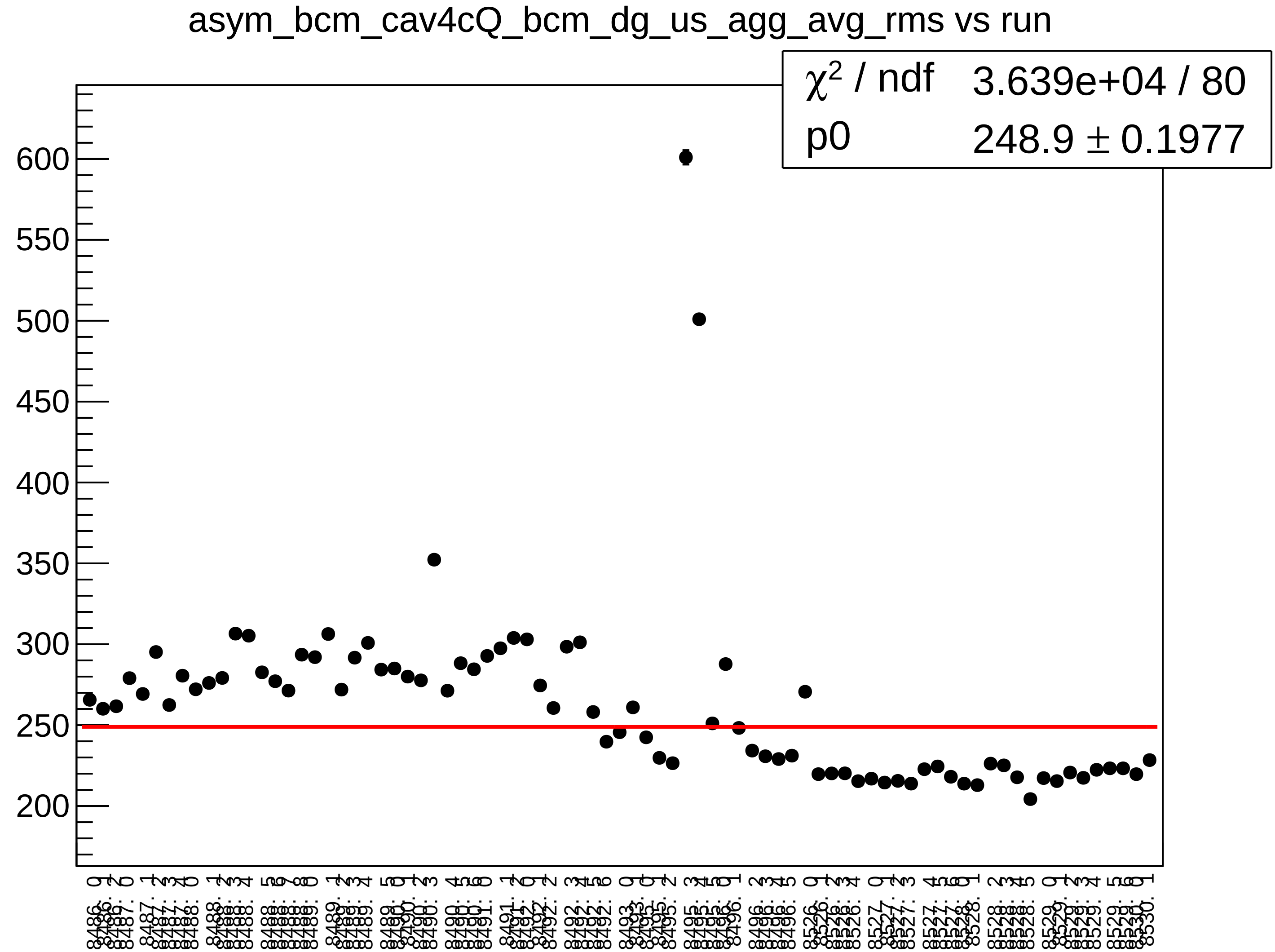


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 69.73 / 80
p0 45.32 ± 36.4
pull
Entries 81
Mean 146.1
Std Dev 113.3
pull1D
Entries 81
Mean 0.0153
Std Dev 0.9277

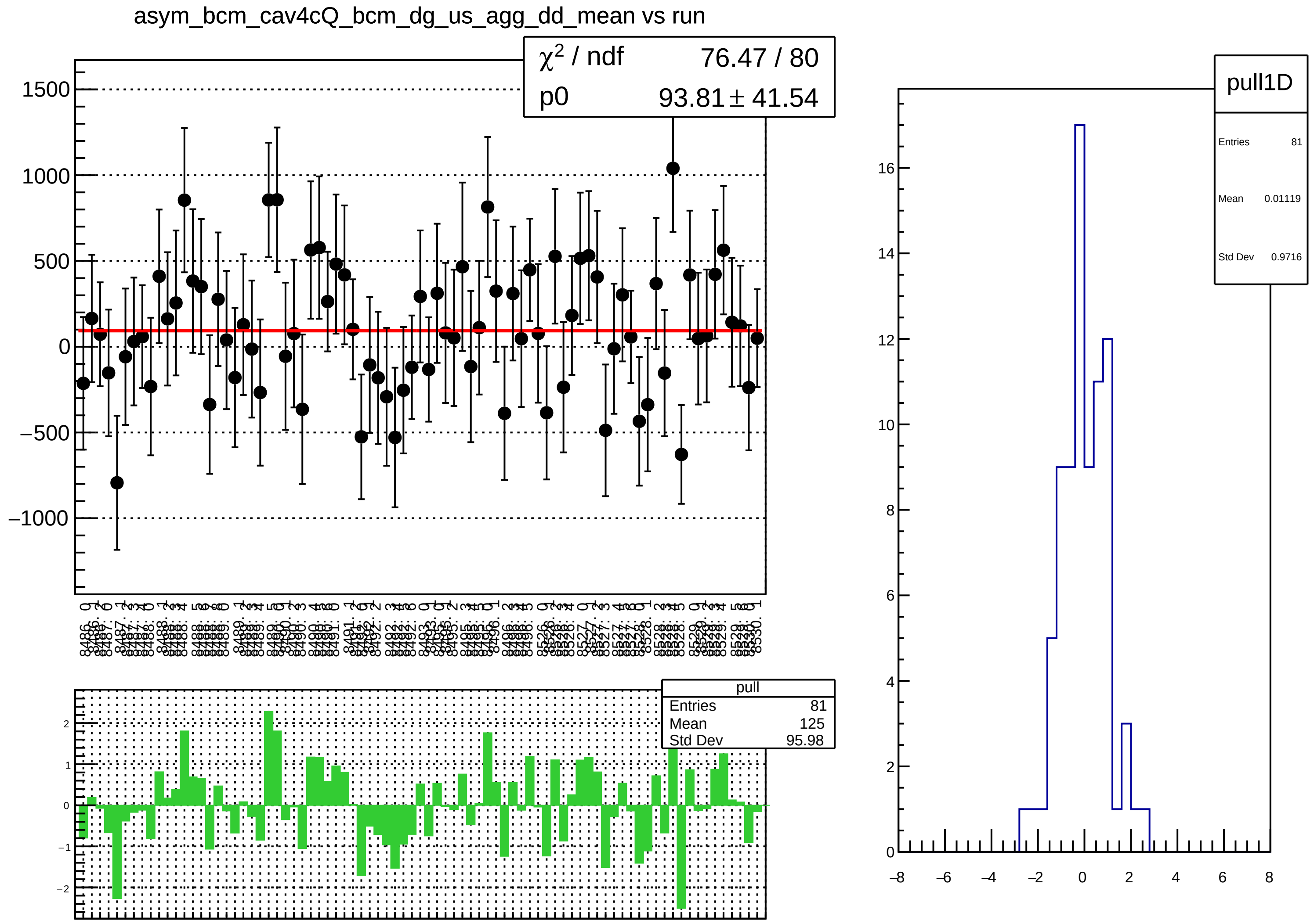

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 6956 / 80
p0 32.71 ± 0.02574
48
46
44
42
40
38
36
34
32
30
28



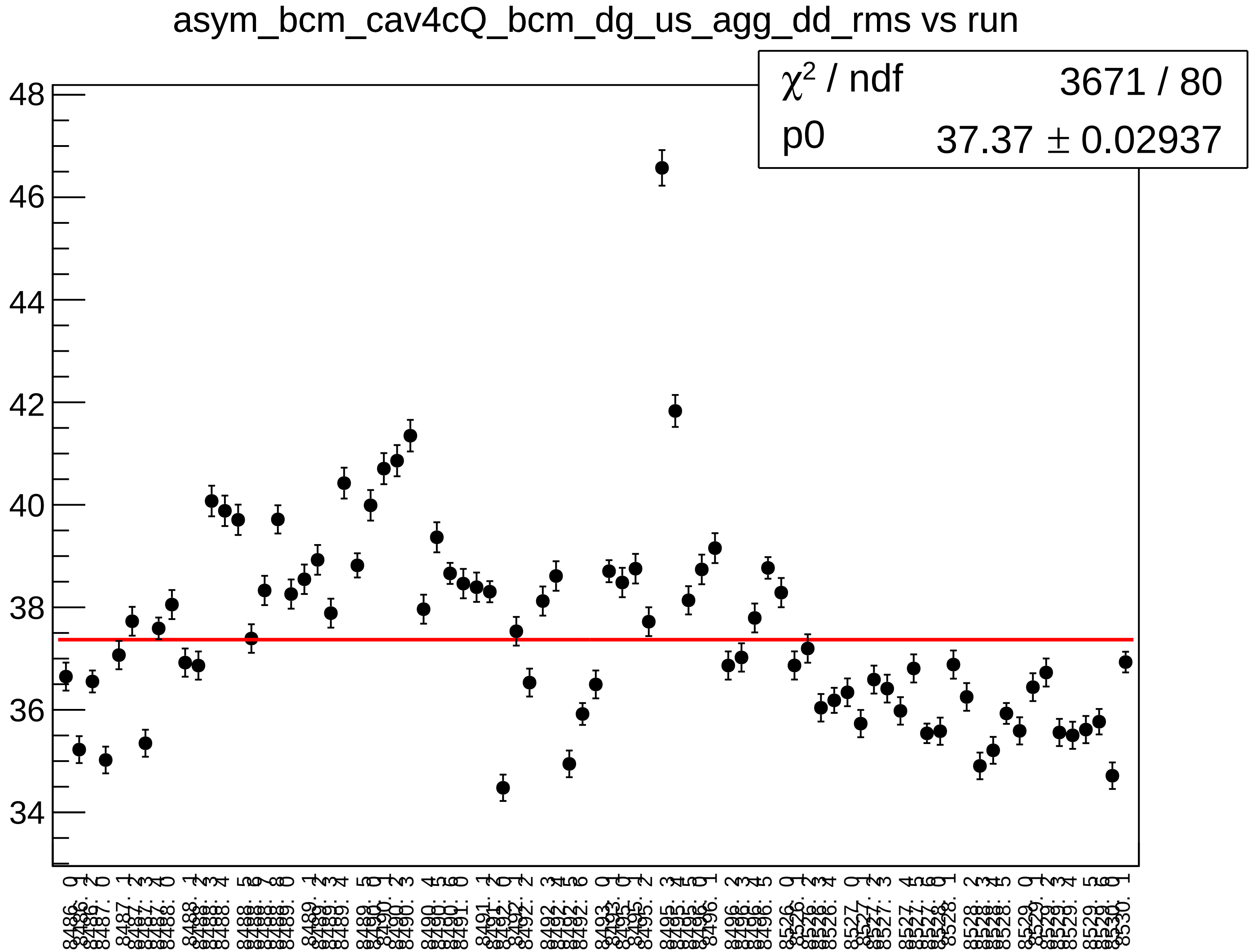
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ^2 / ndf 26.94 / 80
p0 337.2 ± 279.6
pull
Entries 81
Mean −4.553
Std Dev 62.02
pull1D
Entries 81
Mean 0.01965
Std Dev 0.5763

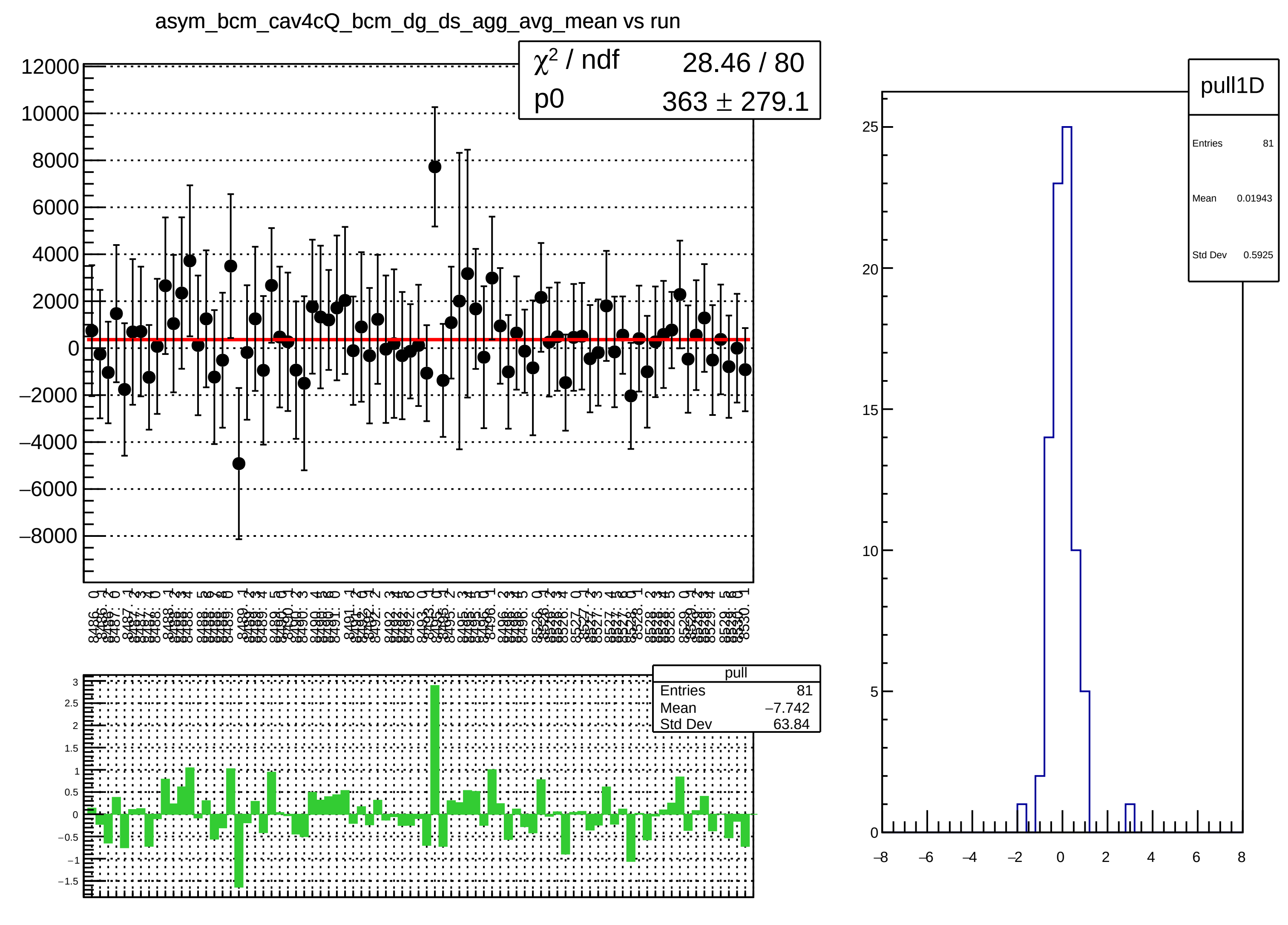


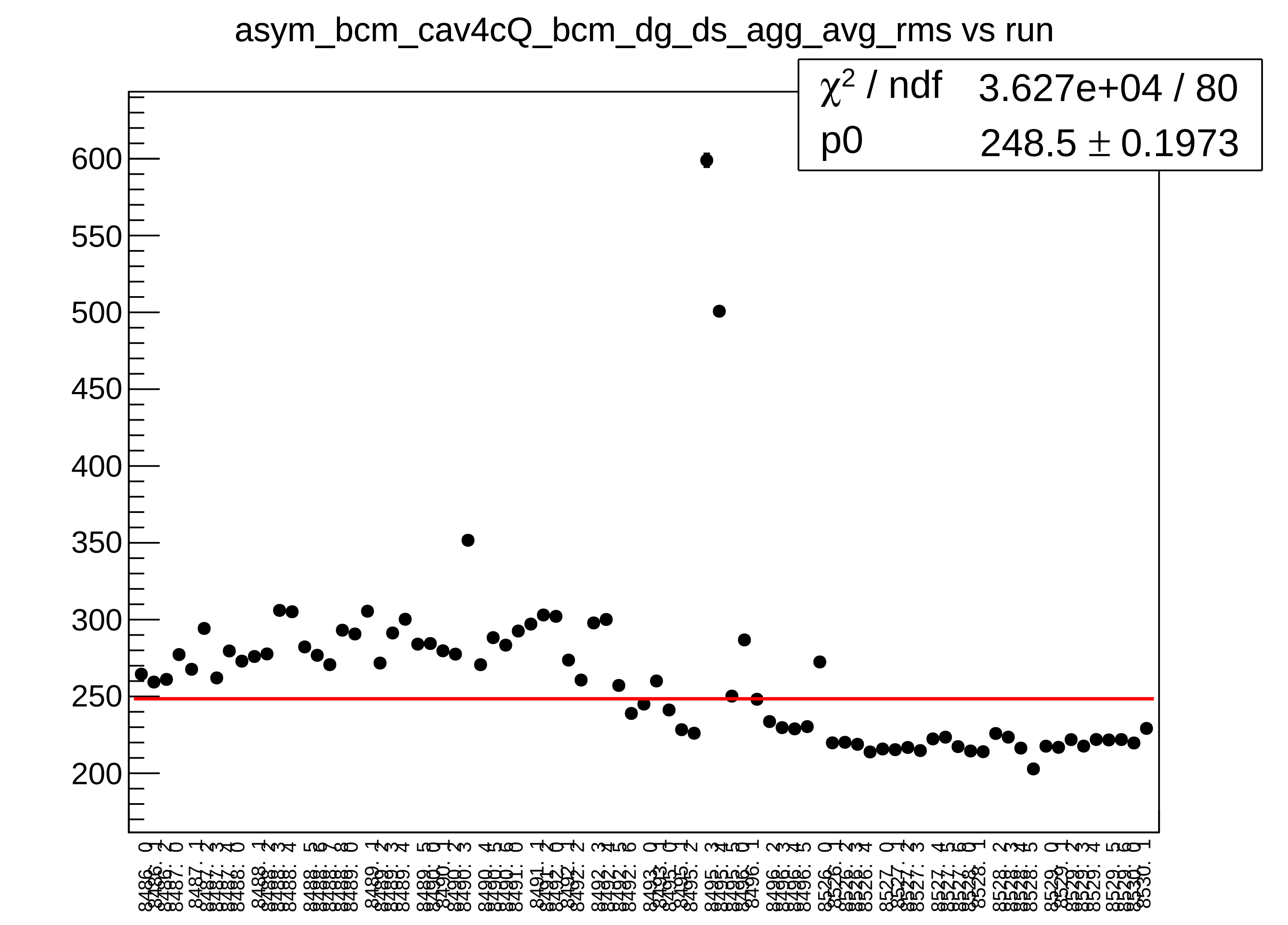
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 3.639e+04 / 80
p0 248.9 ± 0.1977
600
550
500
450
400
350
300
250
200

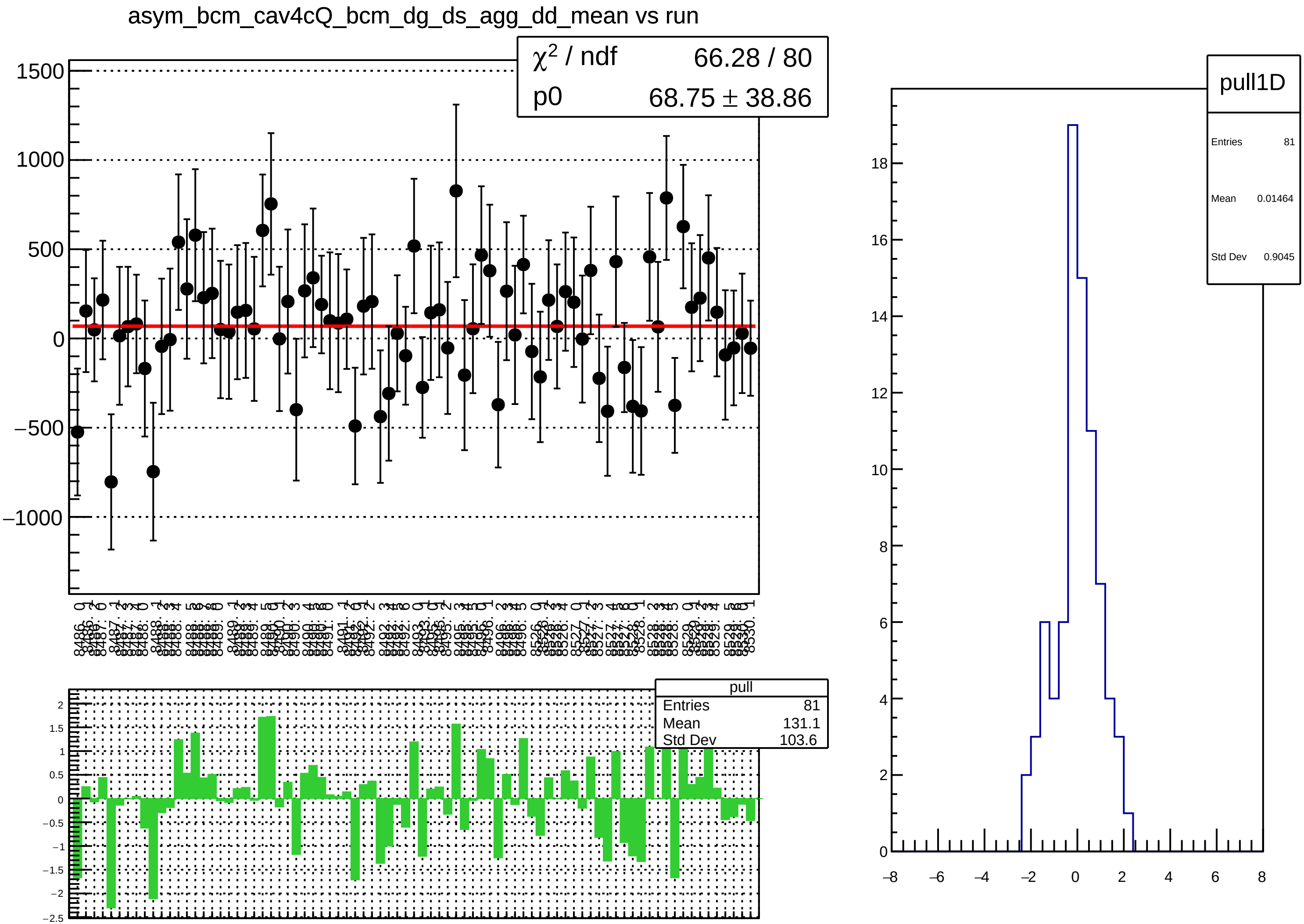


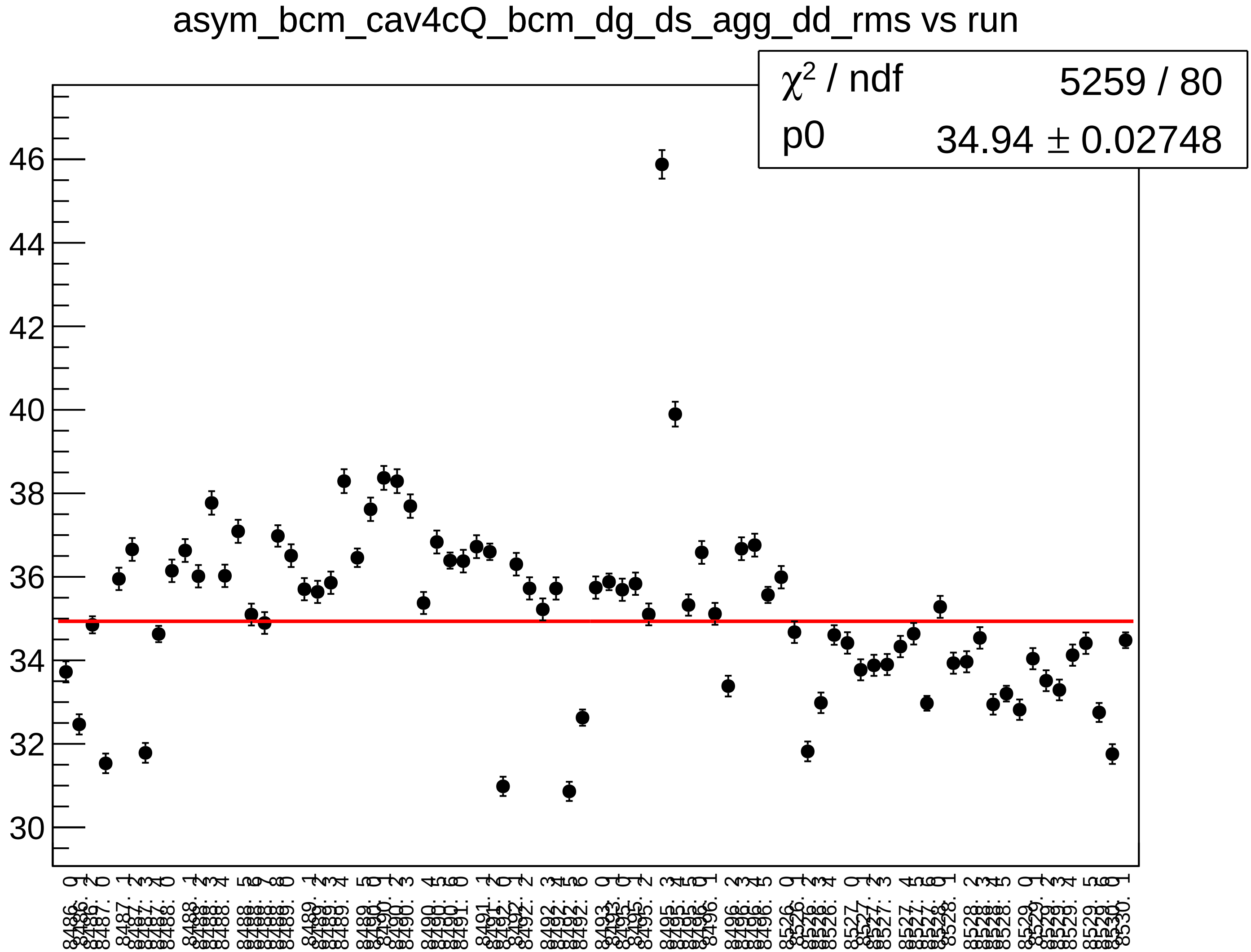
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 76.47 / 80
p0 93.81 ± 41.54
pull
Entries 81
Mean 125
Std Dev 95.98
pull1D
Entries 81
Mean 0.01119
Std Dev 0.9716


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 3671 / 80
p0 37.37 ± 0.02937
48
46
44
42
40
38
36
34

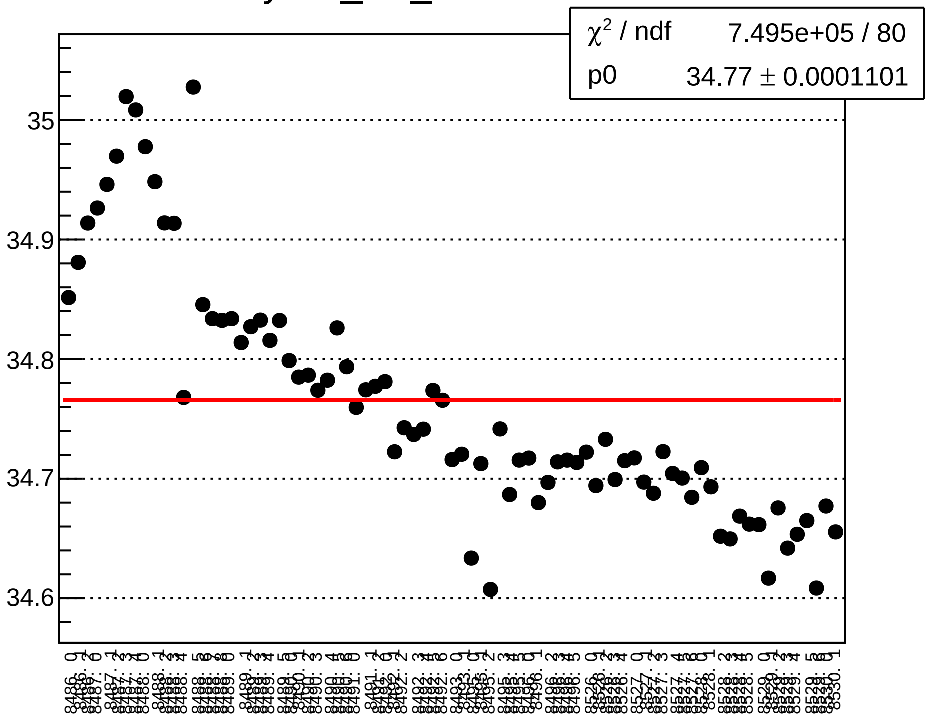

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 28.46 / 80
p0 363 ± 279.1
pull
Entries 81
Mean −7.742
Std Dev 63.84
pull1D
Entries 81
Mean 0.01943
Std Dev 0.5925

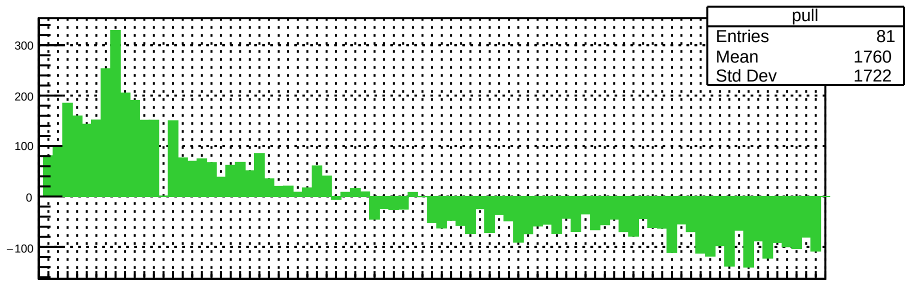

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ2 / ndf 3.627e+04 / 80
p0 248.5 ± 0.1973

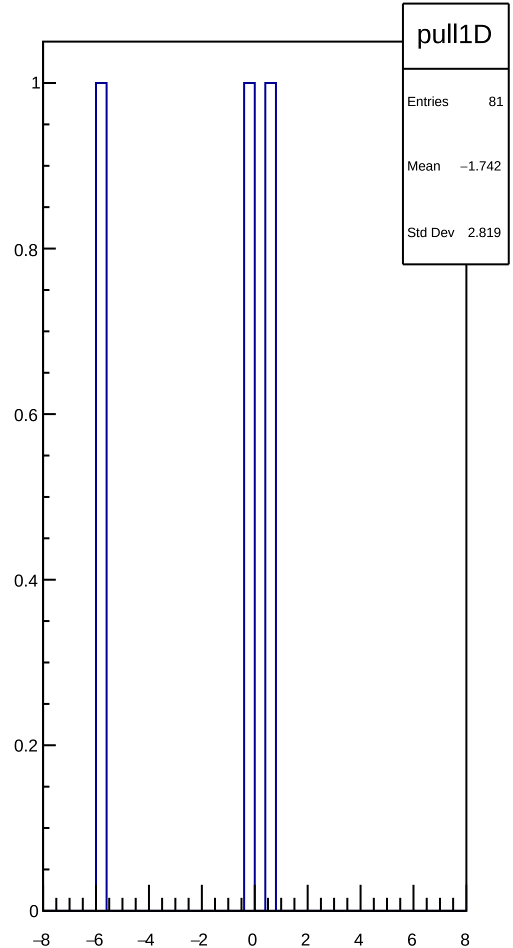

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 66.28 / 80
p0 68.75 ± 38.86
pull
Entries 81
Mean 131.1
Std Dev 103.6
pull1D
Entries 81
Mean 0.01464
Std Dev 0.9045

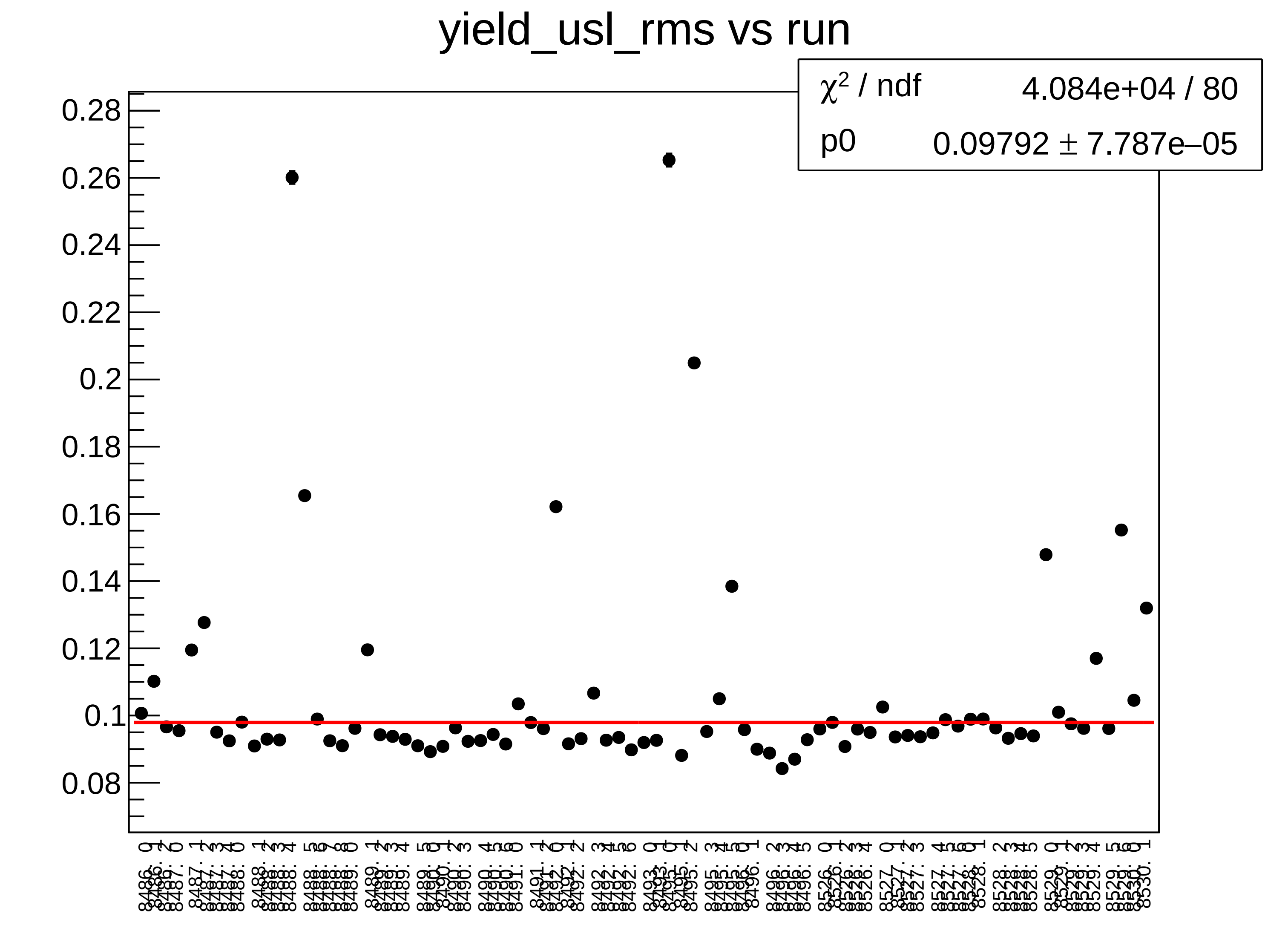

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 5259 / 80
p0 34.94 ± 0.02748

yield_usl_mean vs run

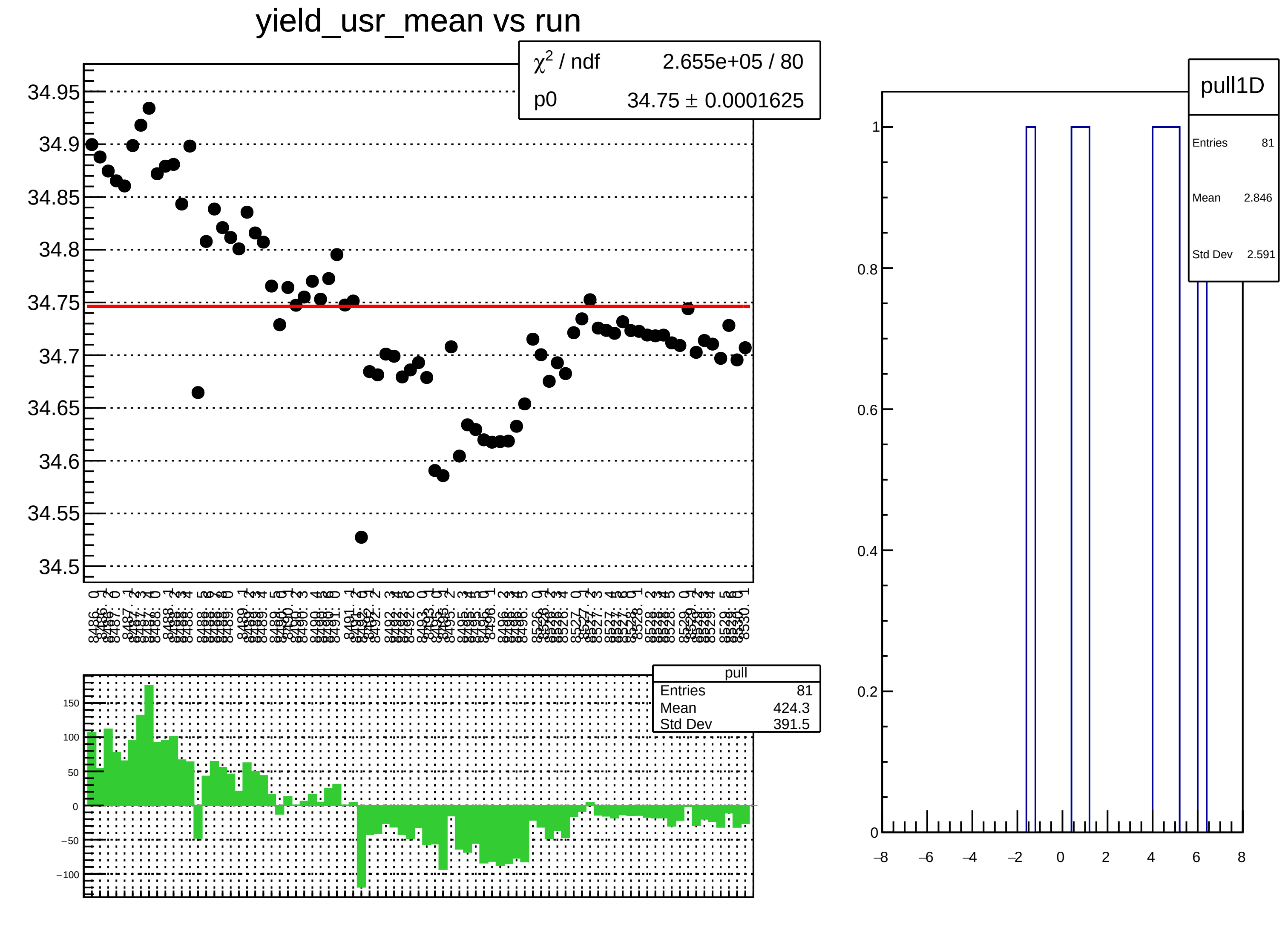




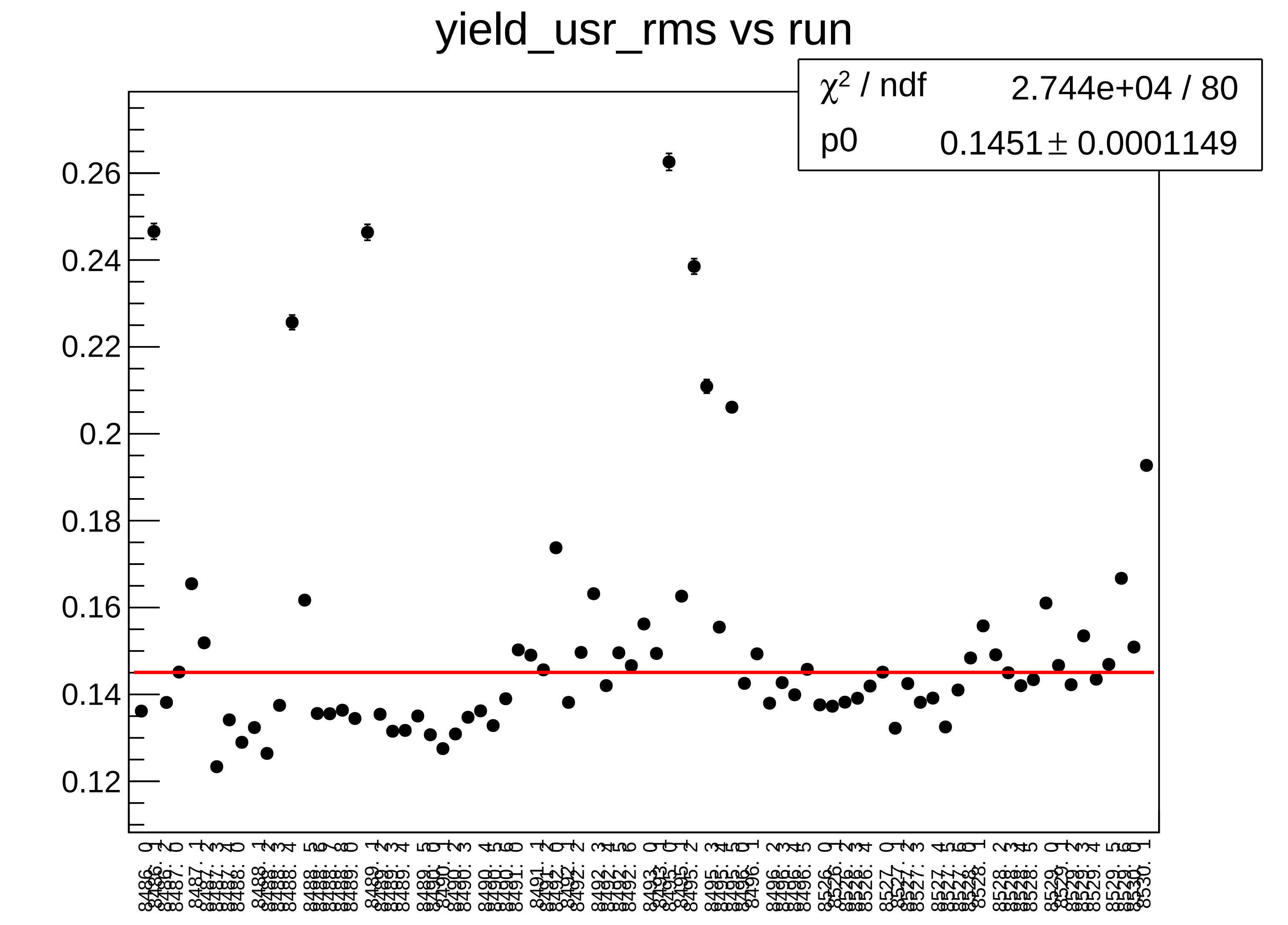




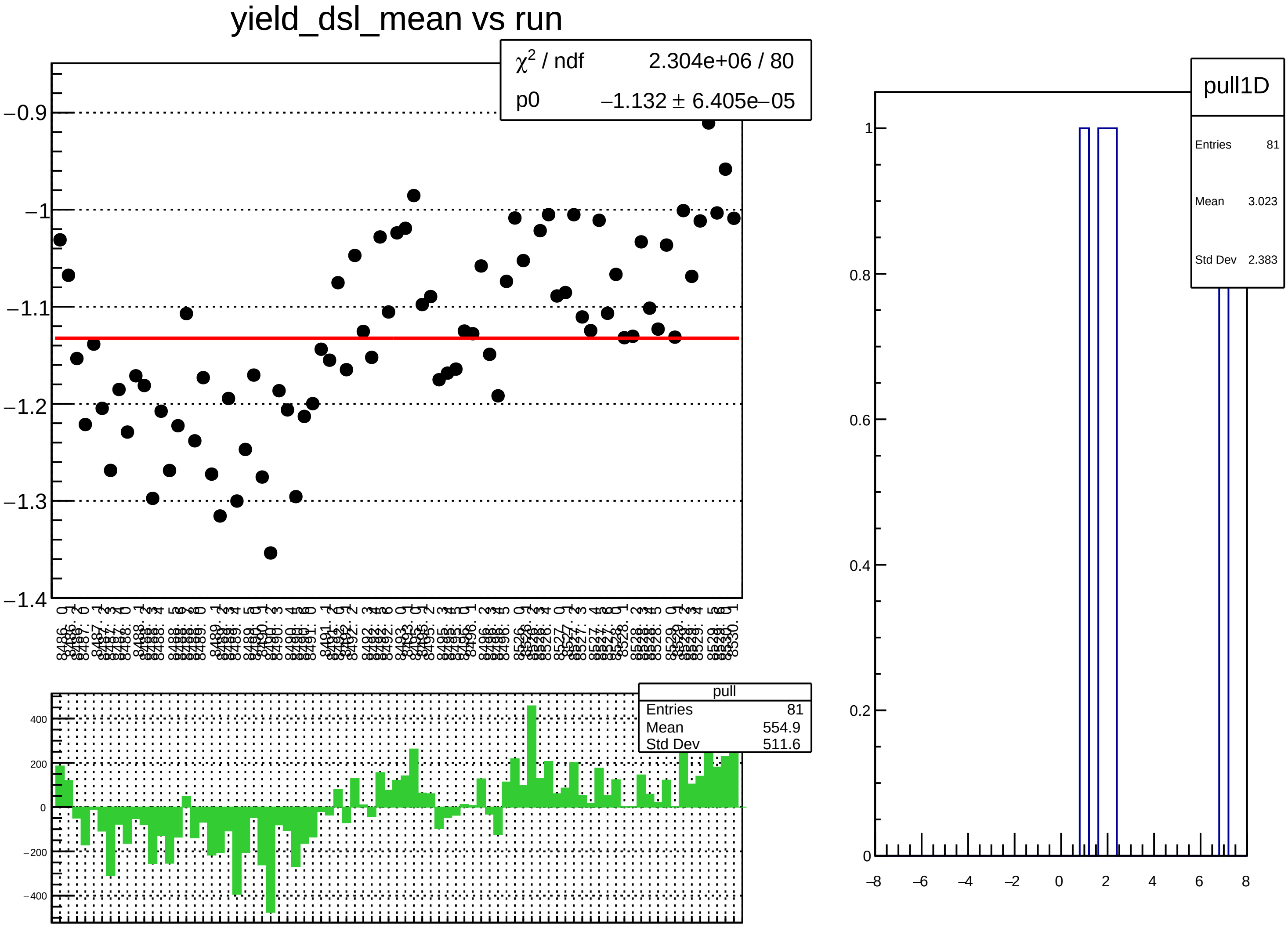
yield_usl_rms vs run
χ^2 / ndf 4.084e+04 / 80
p0 0.09792 ± 7.787e−05
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08



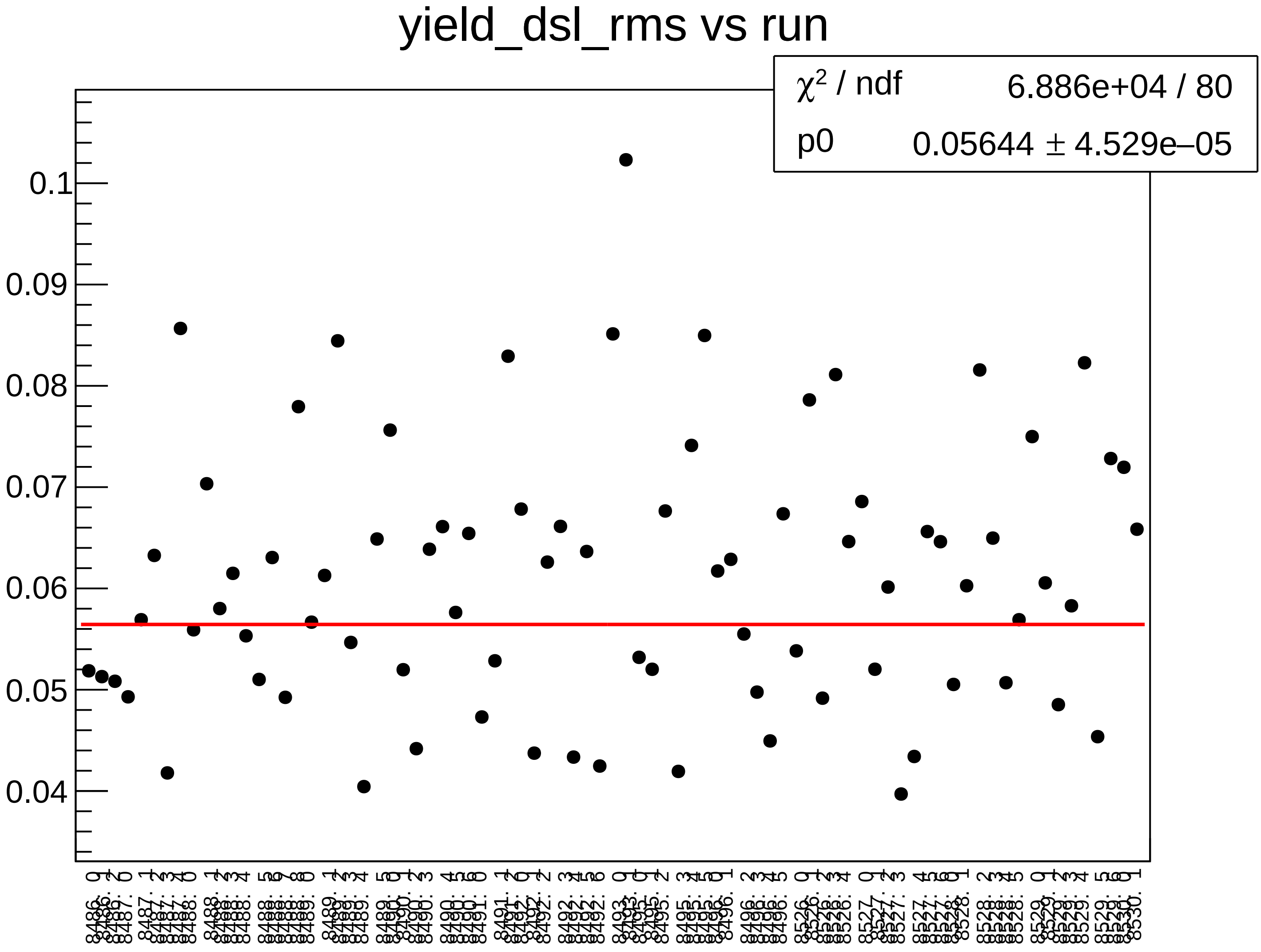
yield_usr_mean vs run
χ2 / ndf 2.655e+05 / 80
p0 34.75 ± 0.0001625
pull
Entries 81
Mean 424.3
Std Dev 391.5
pull1D
Entries 81
Mean 2.846
Std Dev 2.591



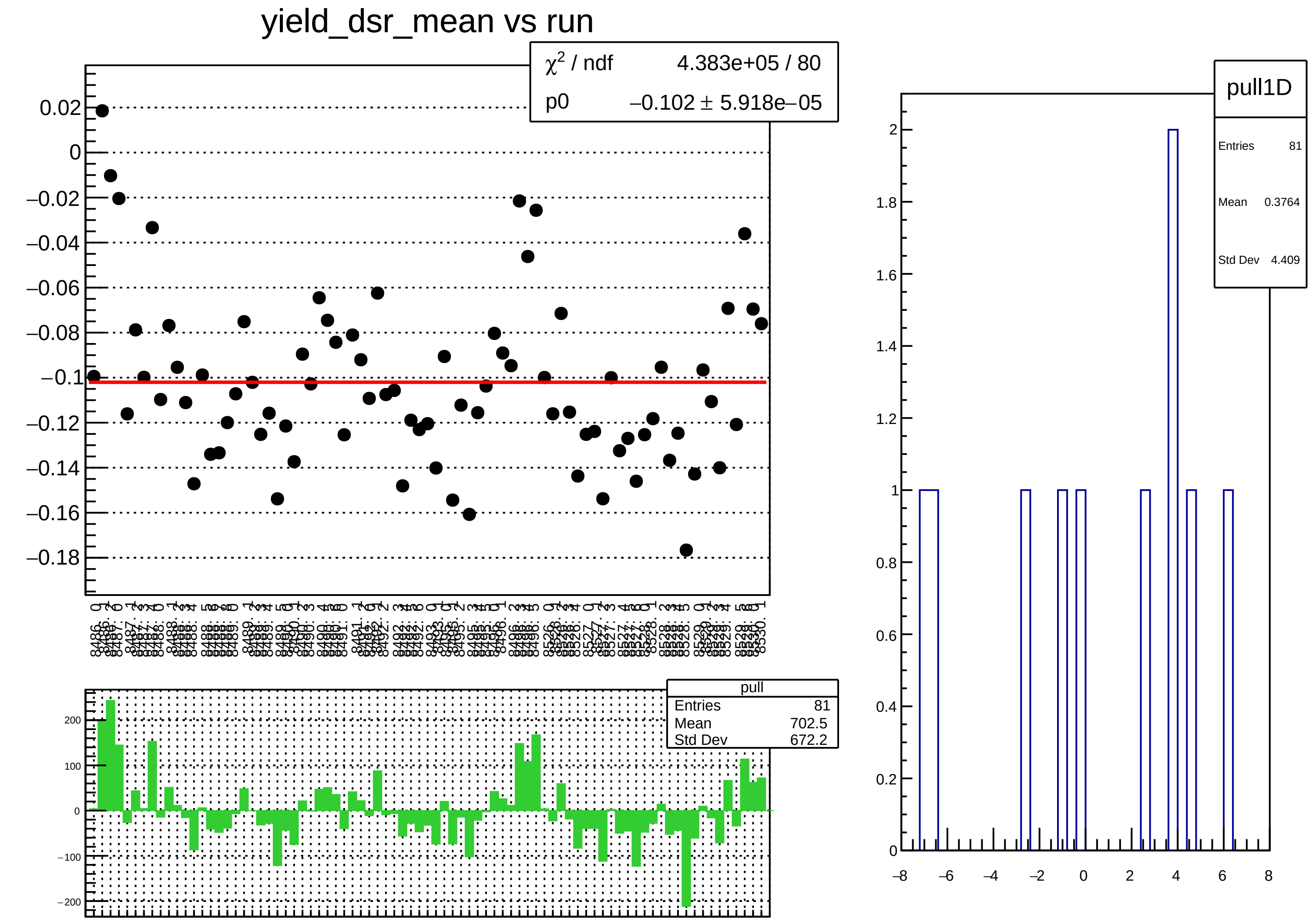
yield_usr_rms vs run
χ^2 / ndf 2.744e+04 / 80
p0 0.1451 ± 0.0001149
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12

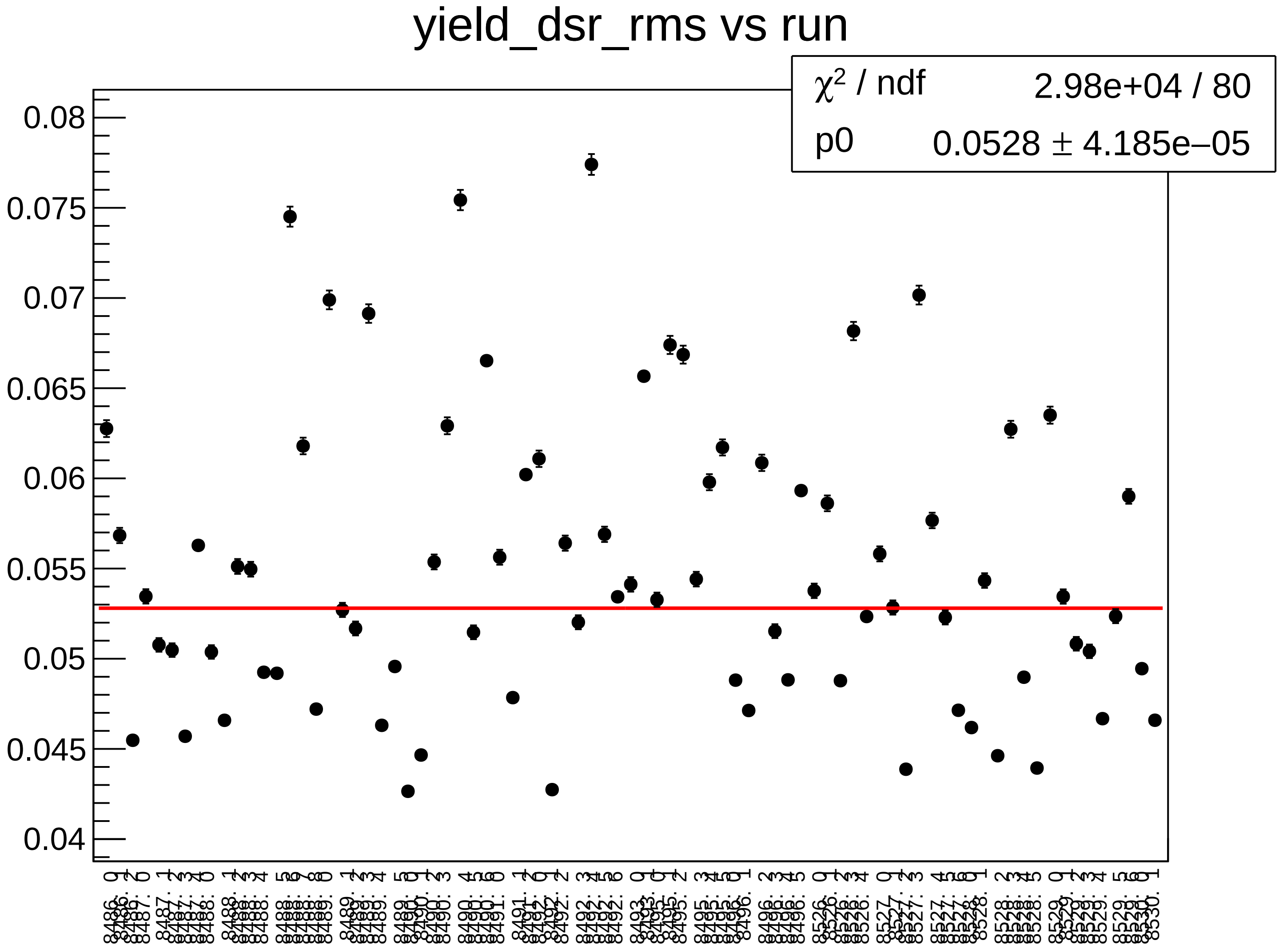


yield_dsl_mean vs run
χ^2 / ndf 2.304e+06 / 80
p0 −1.132 ± 6.405e−05
pull
Entries 81
Mean 554.9
Std Dev 511.6
pull1D
Entries 81
Mean 3.023
Std Dev 2.383

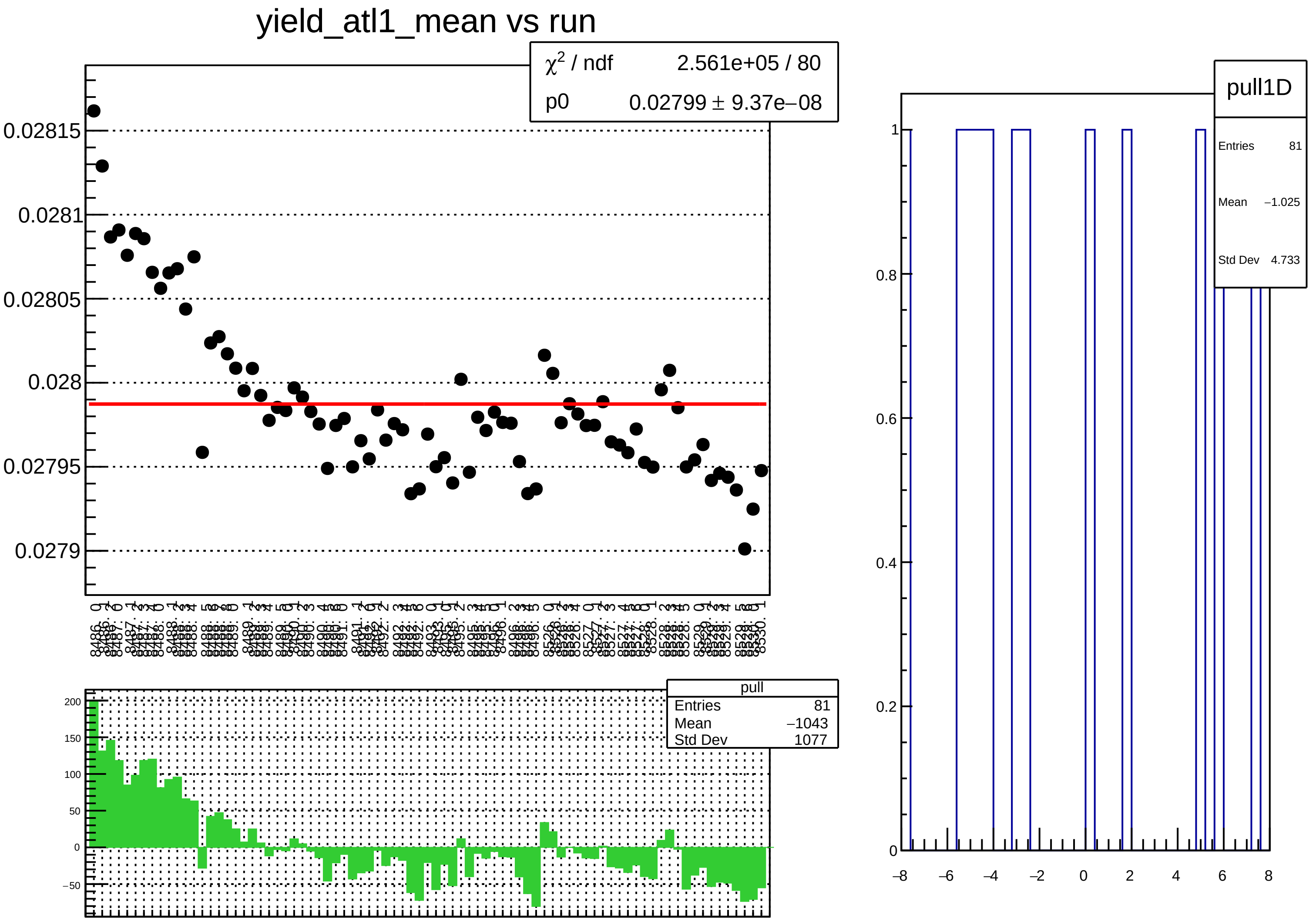


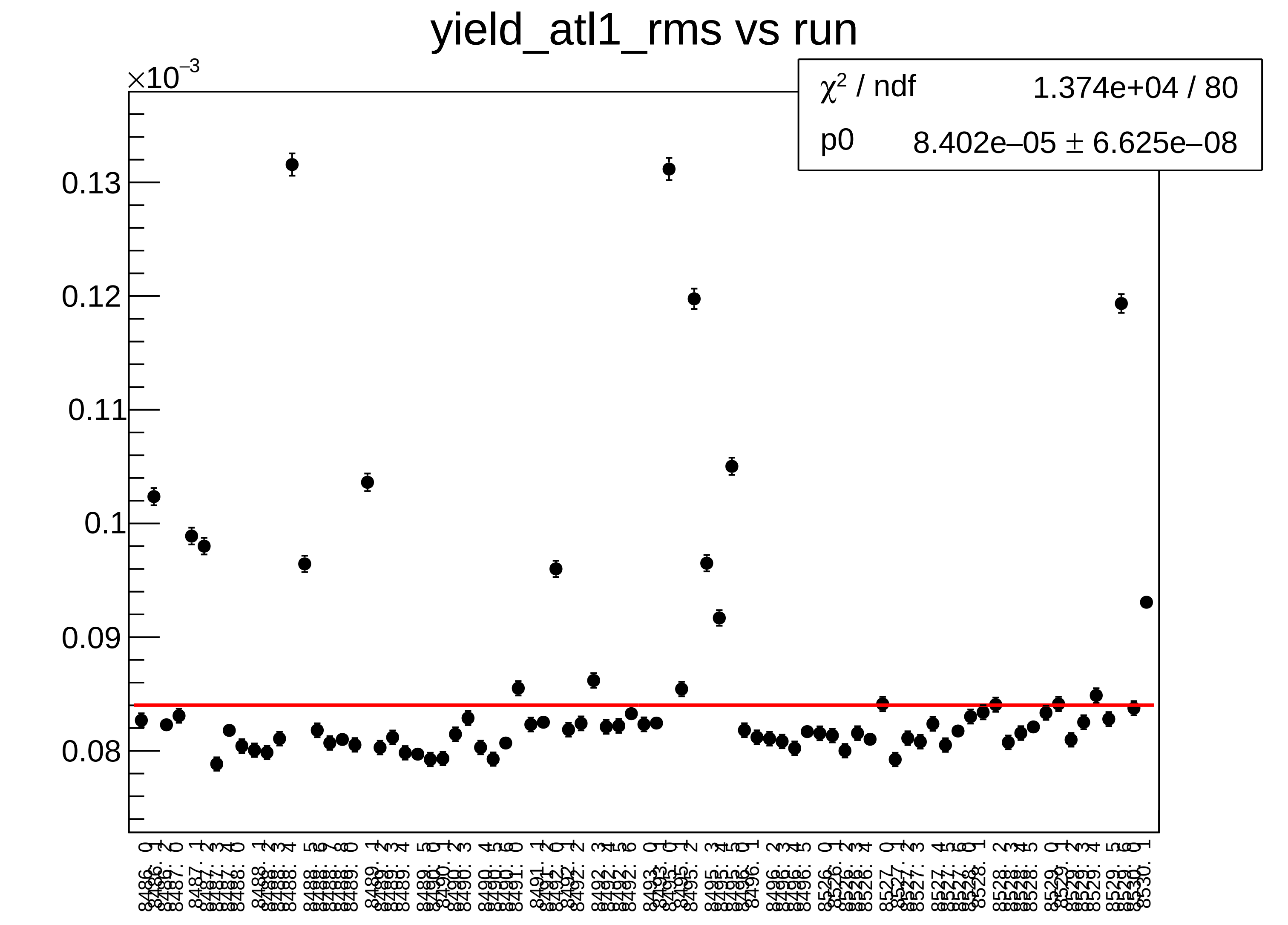
yield_dsl_rms vs run
χ^2 / ndf 6.886e+04 / 80
p0 0.05644 ± 4.529e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04


yield_dsr_mean vs run
χ² / ndf 4.383e+05 / 80
p0 −0.102 ± 5.918e−05
pull
Entries 81
Mean 702.5
Std Dev 672.2
pull1D
Entries 81
Mean 0.3764
Std Dev 4.409

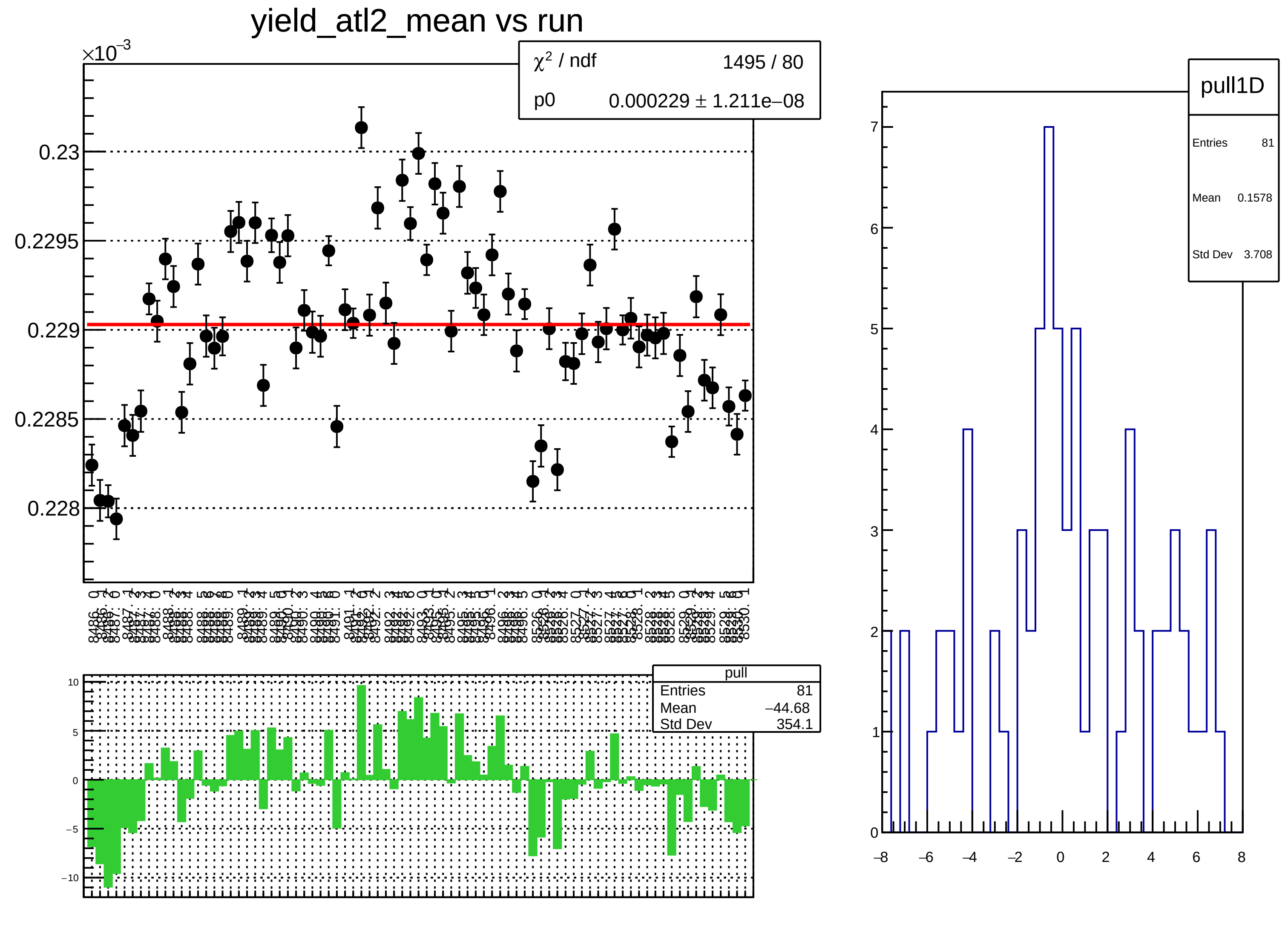


yield_dsr_rms vs run
χ^2 / ndf 2.98e+04 / 80
p0 0.0528 ± 4.185e−05
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
0.04

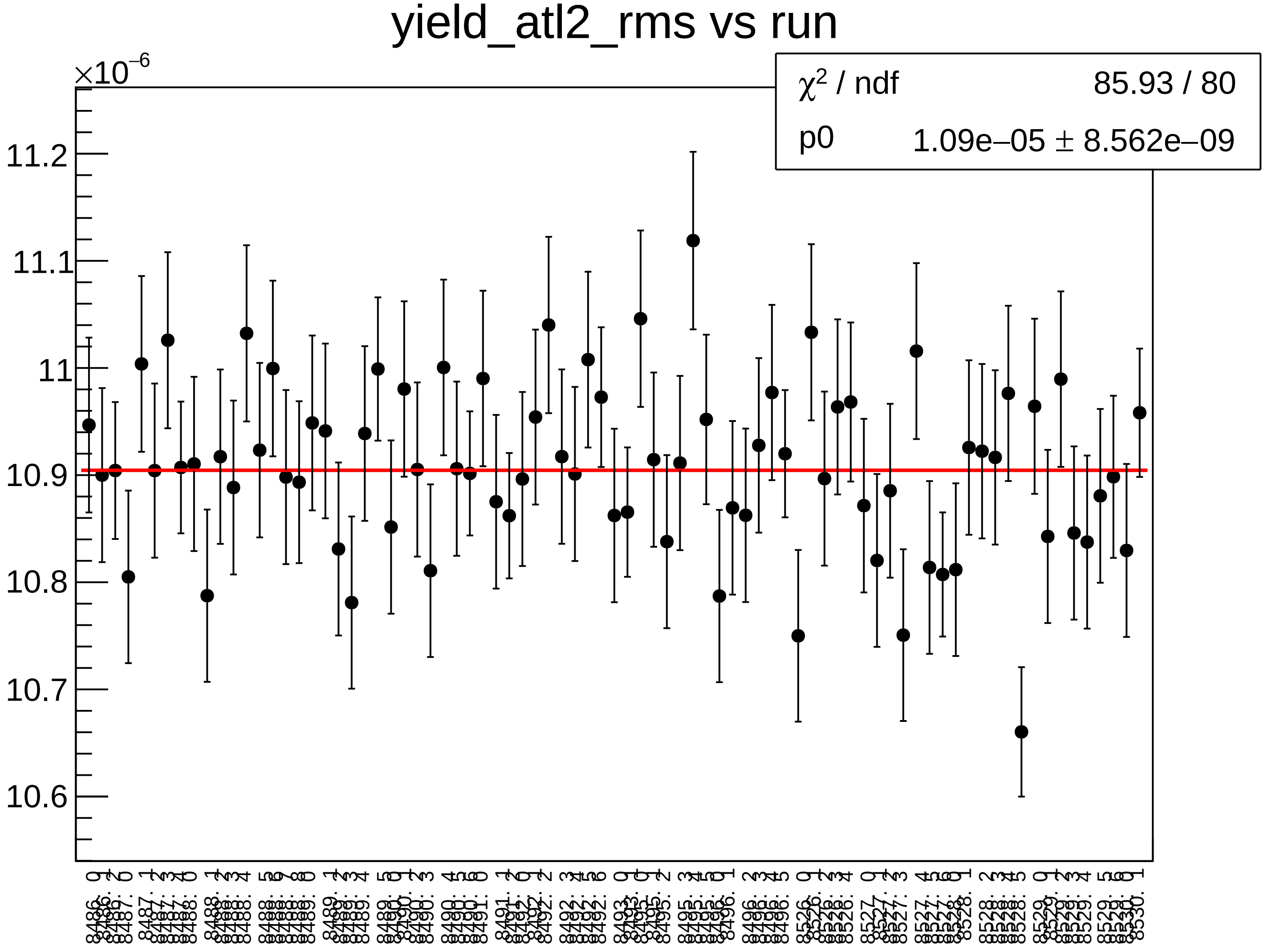

yield_atl1_mean vs run
χ^2 / ndf 2.561e+05 / 80
p0 0.02799 ± 9.37e−08
0.02815
0.0281
0.02805
0.028
0.02795
0.0279
pull
Entries 81
Mean −1043
Std Dev 1077
200
150
100
50
0
−50
pull1D
Entries 81
Mean −1.025
Std Dev 4.733
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



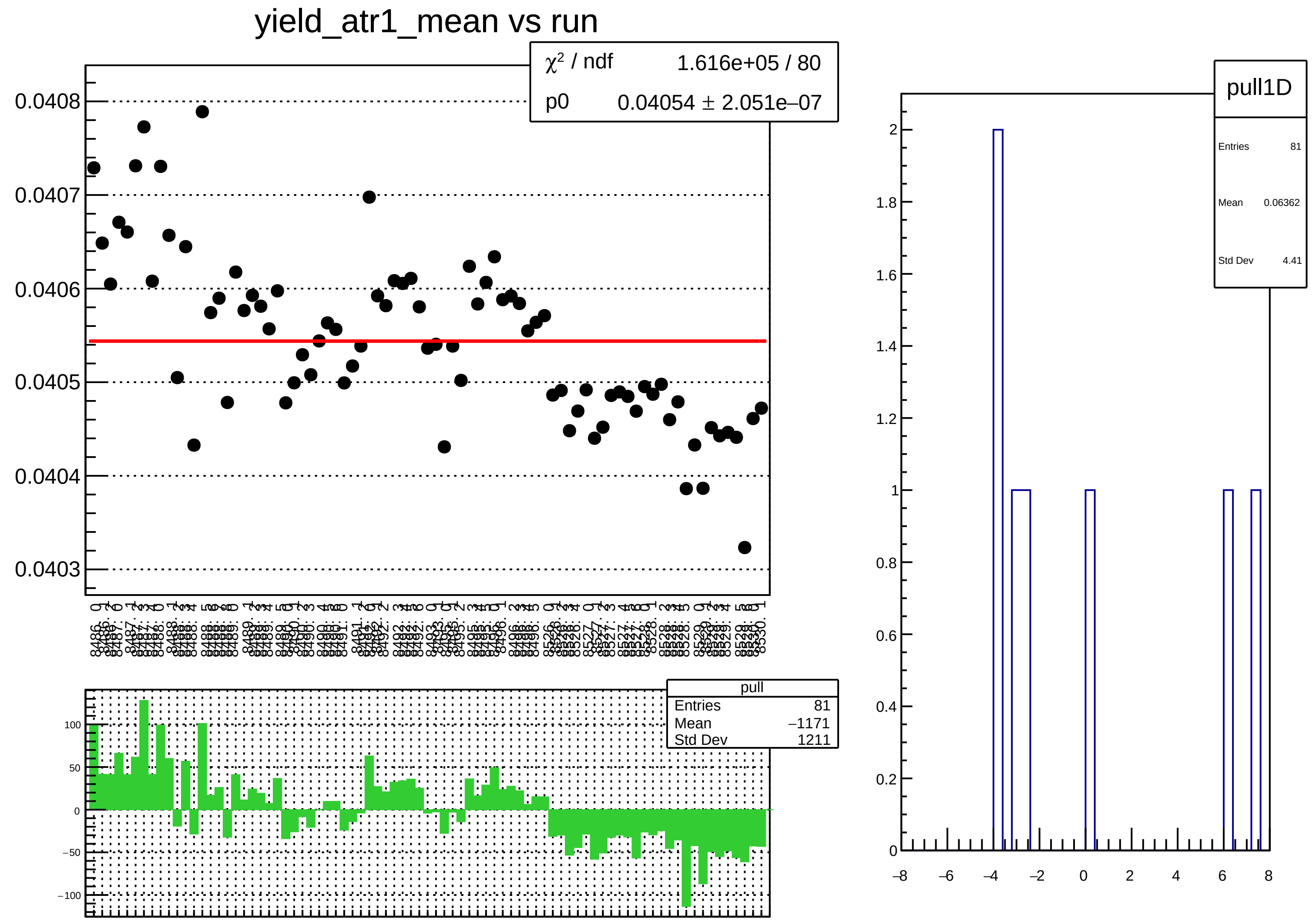
yield_atl1_rms vs run
×10^-3
χ2 / ndf 1.374e+04 / 80
p0 8.402e−05 ± 6.625e−08
0.08
0.09
0.1
0.11
0.12
0.13



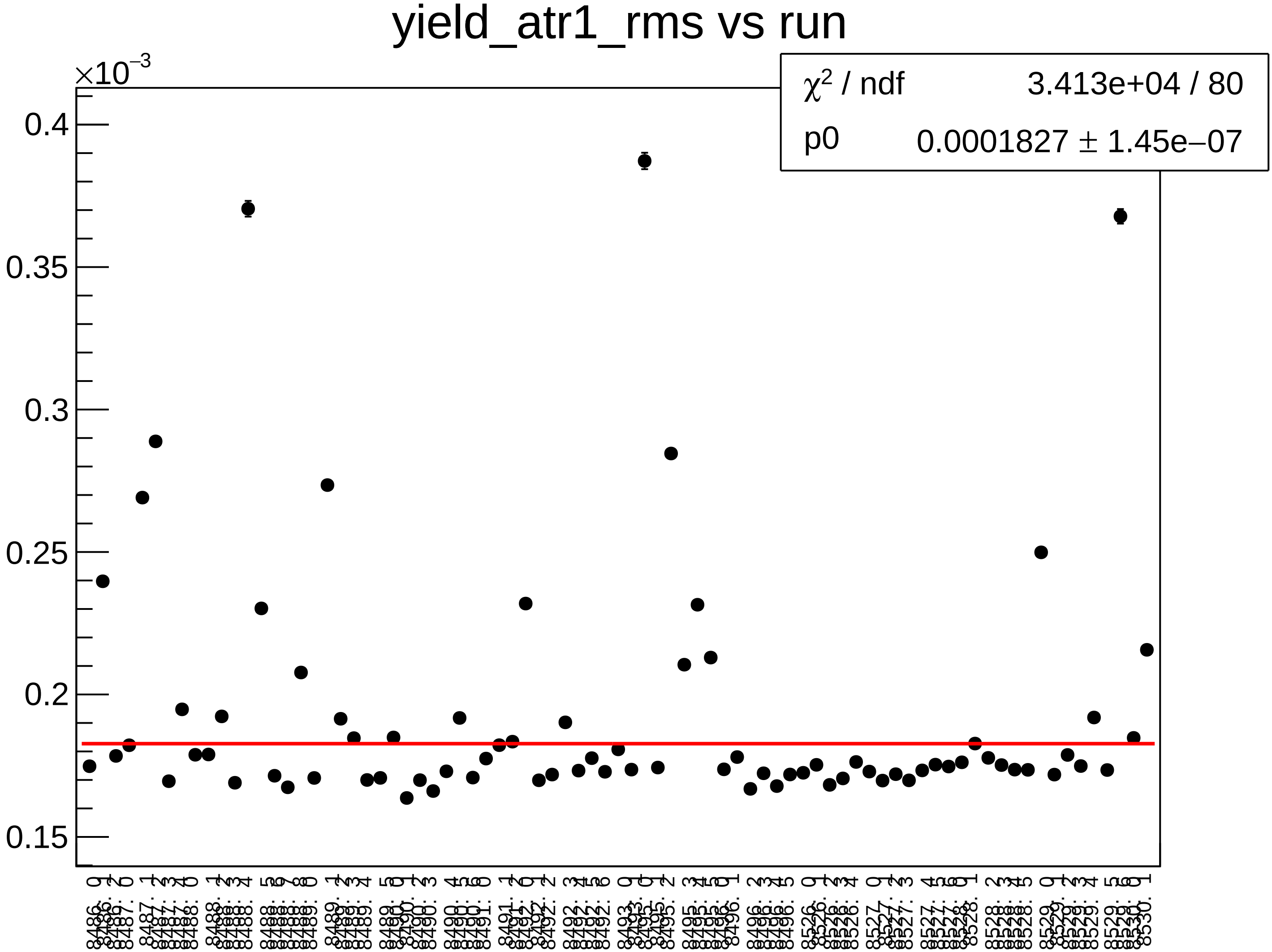
yield_atl2_mean vs run
×10^-3
χ2 / ndf 1495 / 80
p0 0.000229 ± 1.211e−08
0.23
0.2295
0.229
0.2285
0.228
pull
Entries 81
Mean −44.68
Std Dev 354.1
pull1D
Entries 81
Mean 0.1578
Std Dev 3.708

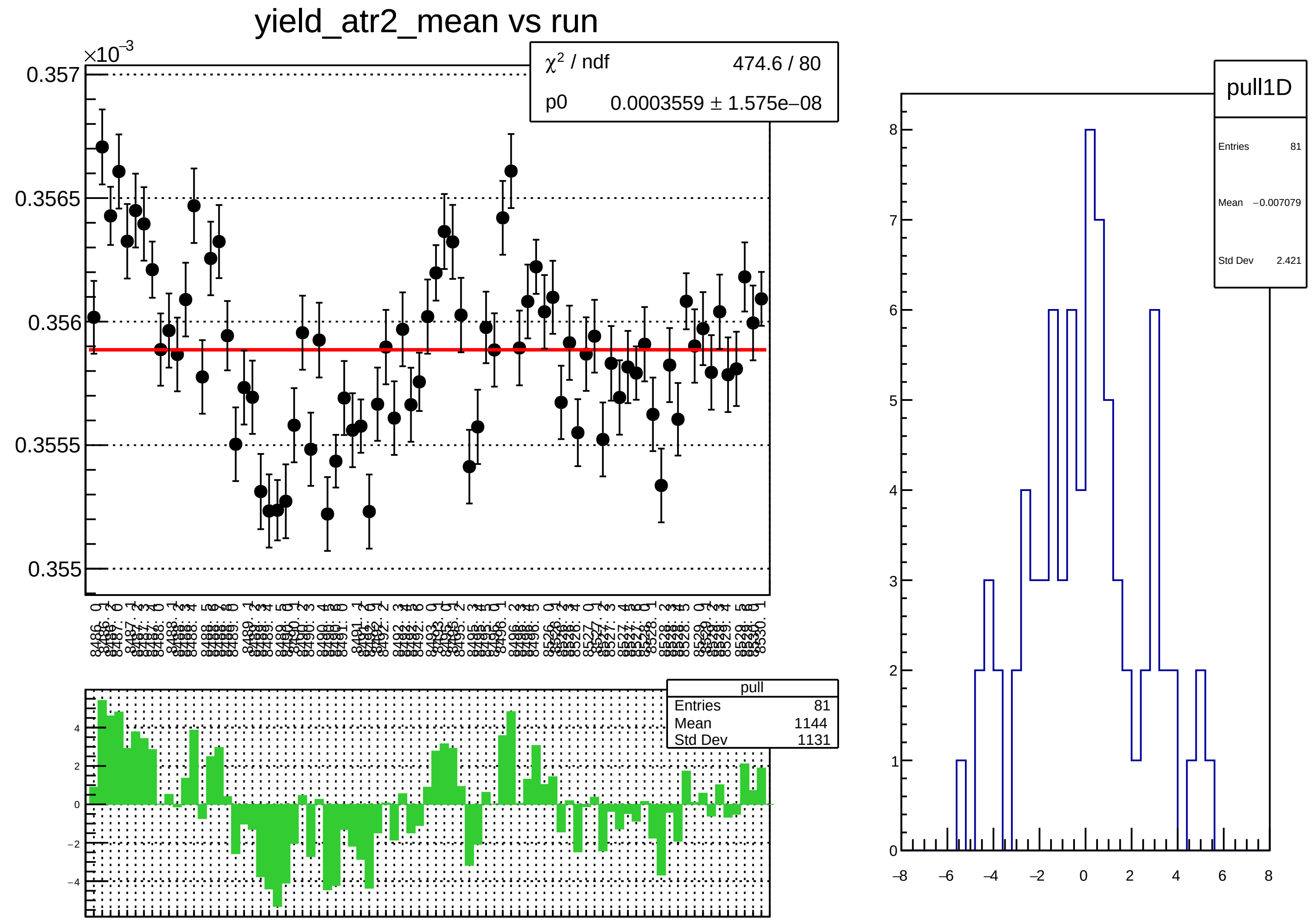


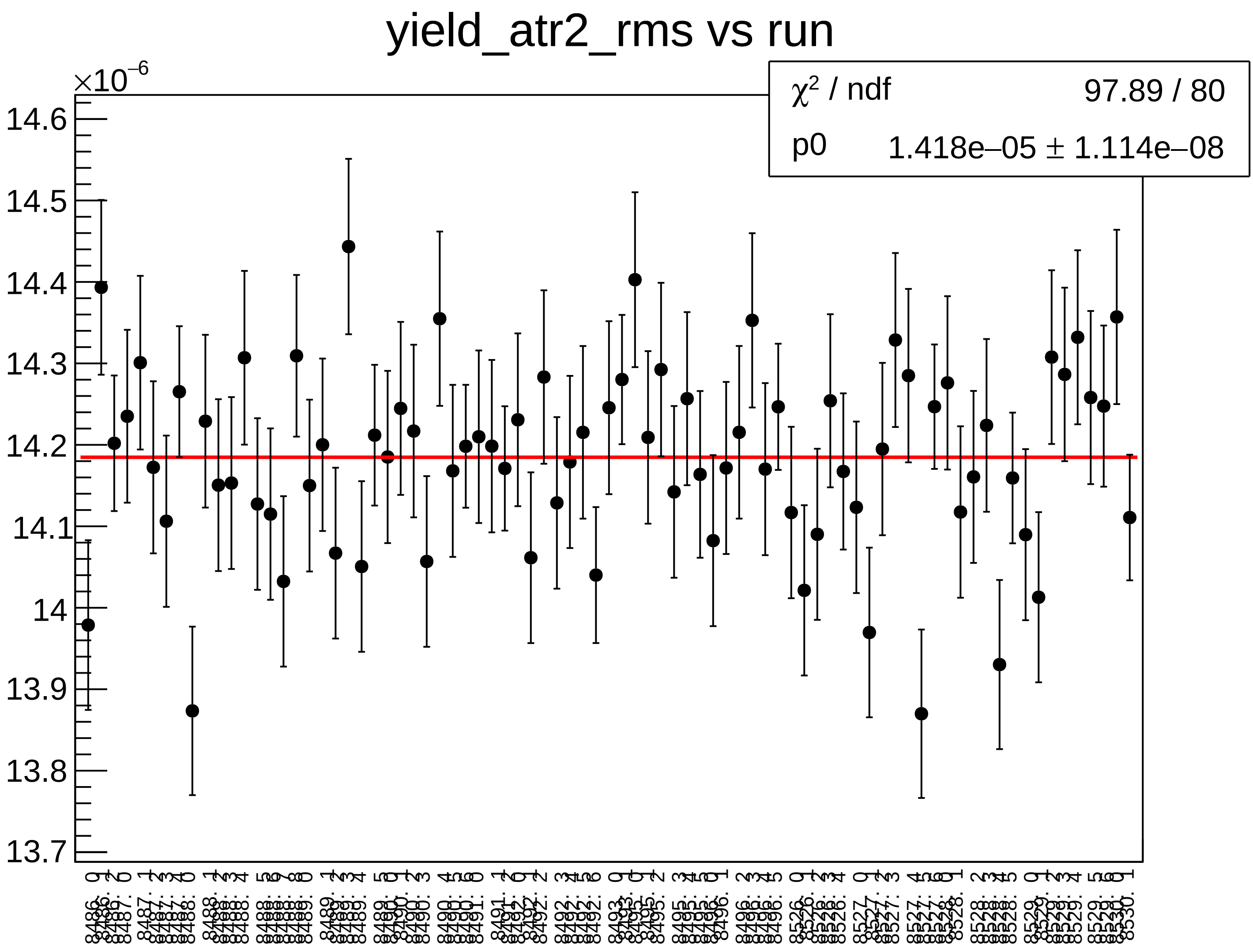
yield_atl2_rms vs run
χ^2 / ndf 85.93 / 80
p0 1.09e−05 ± 8.562e−09
×10⁻⁶
11.2
11.1
11
10.9
10.8
10.7
10.6



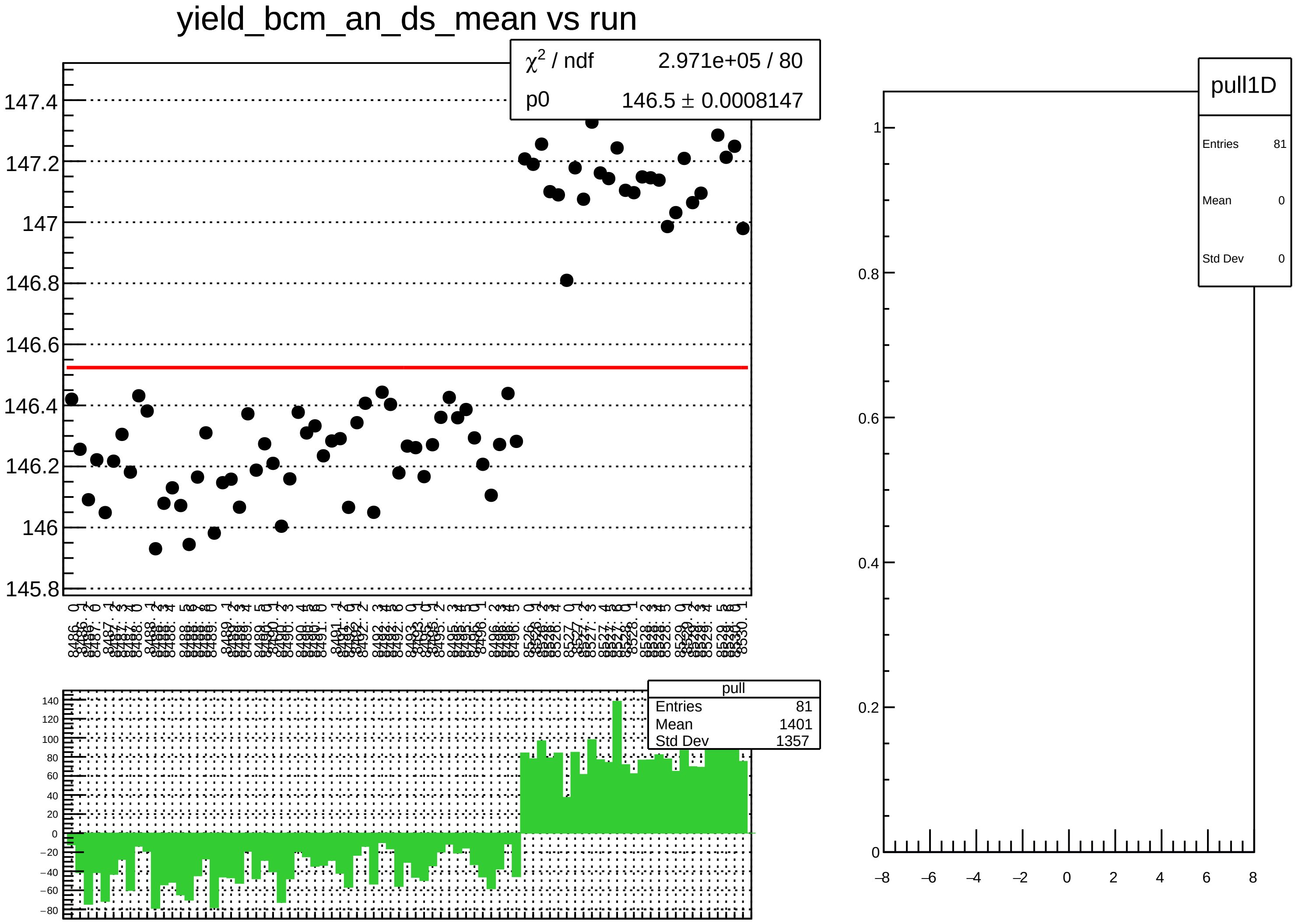
yield_atr1_mean vs run
χ^2 / ndf 1.616e+05 / 80
p0 0.04054 ± 2.051e−07
pull
Entries 81
Mean −1171
Std Dev 1211
pull1D
Entries 81
Mean 0.06362
Std Dev 4.41


yield_atr1_rms vs run
×10⁻³
χ² / ndf 3.413e+04 / 80
p0 0.0001827 ± 1.45e−07
0.4
0.35
0.3
0.25
0.2
0.15

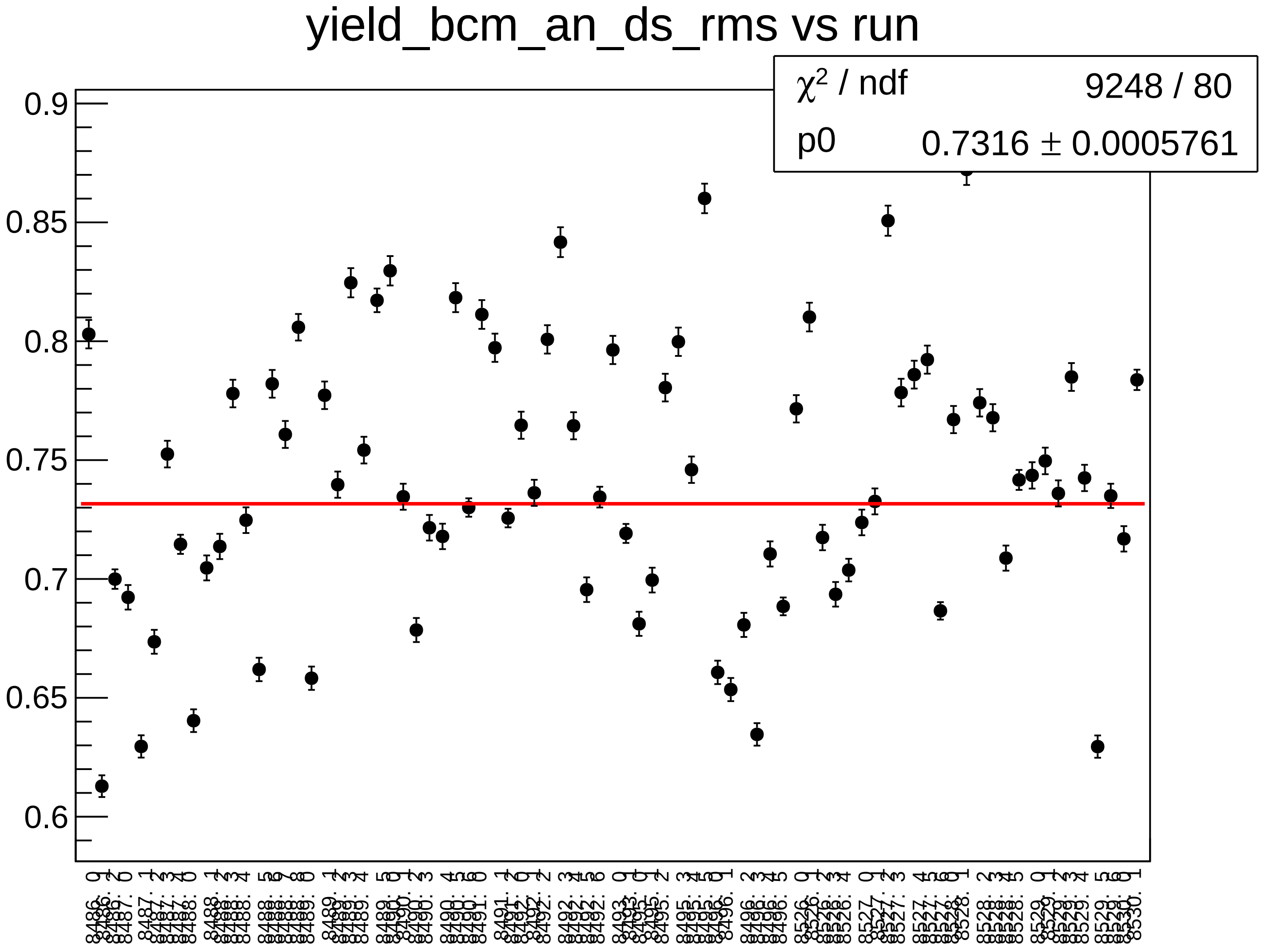

yield_atr2_mean vs run
×10⁻³
χ² / ndf 474.6 / 80
p0 0.0003559 ± 1.575e−08
0.357
0.3565
0.356
0.3555
0.355
pull
Entries 81
Mean 1144
Std Dev 1131
pull1D
Entries 81
Mean −0.007079
Std Dev 2.421



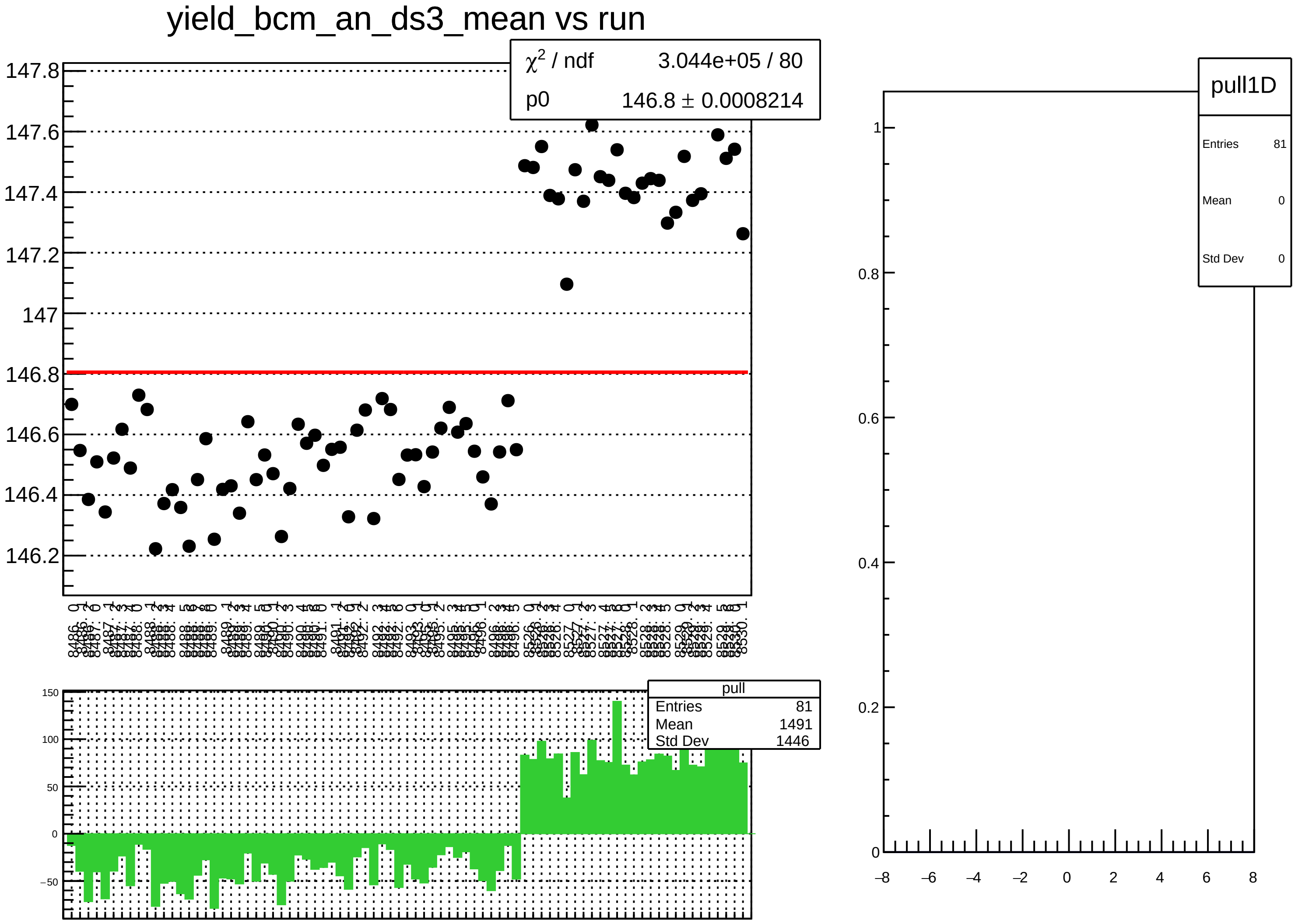
yield_atr2_rms vs run
×10^−6
χ2 / ndf 97.89 / 80
p0 1.418e−05 ± 1.114e−08
14.6
14.5
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7

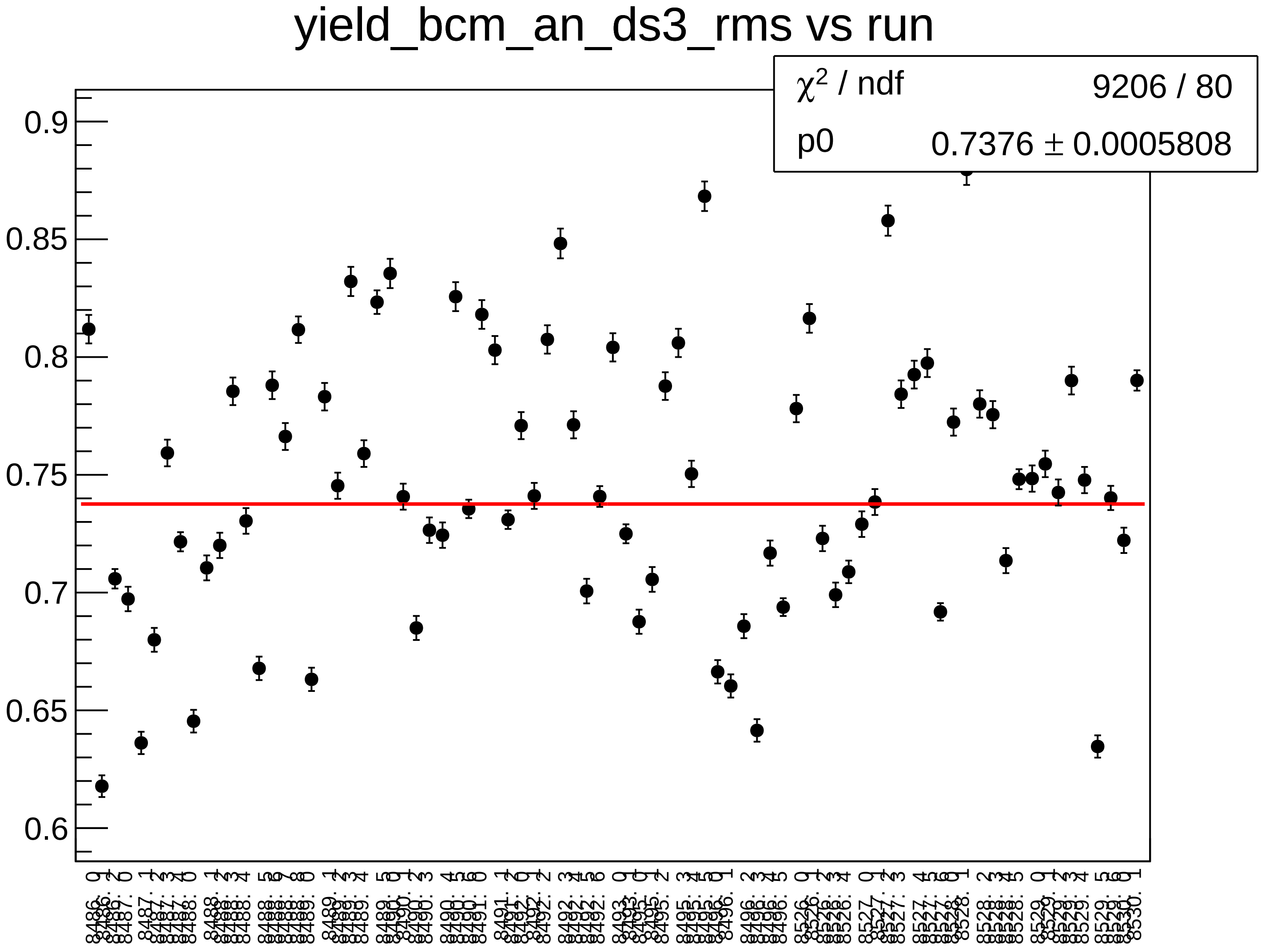


yield_bcm_an_ds_mean vs run
χ^2 / ndf 2.971e+05 / 80
p0 146.5 ± 0.0008147
pull
Entries 81
Mean 1401
Std Dev 1357
pull1D
Entries 81
Mean 0
Std Dev 0

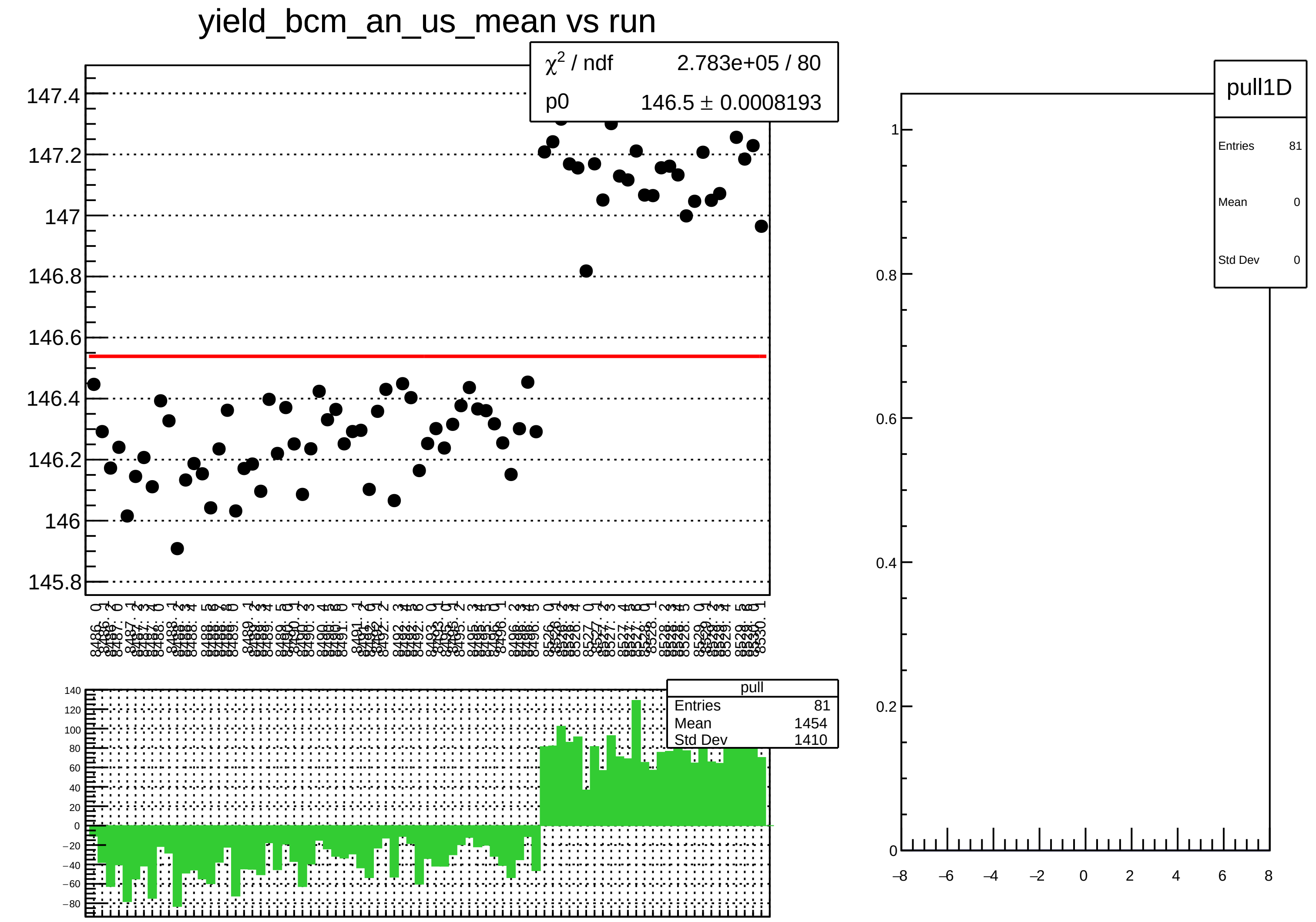


yield_bcm_an_ds_rms vs run
χ^2 / ndf 9248 / 80
p0 0.7316 ± 0.0005761
0.9
0.85
0.8
0.75
0.7
0.65
0.6

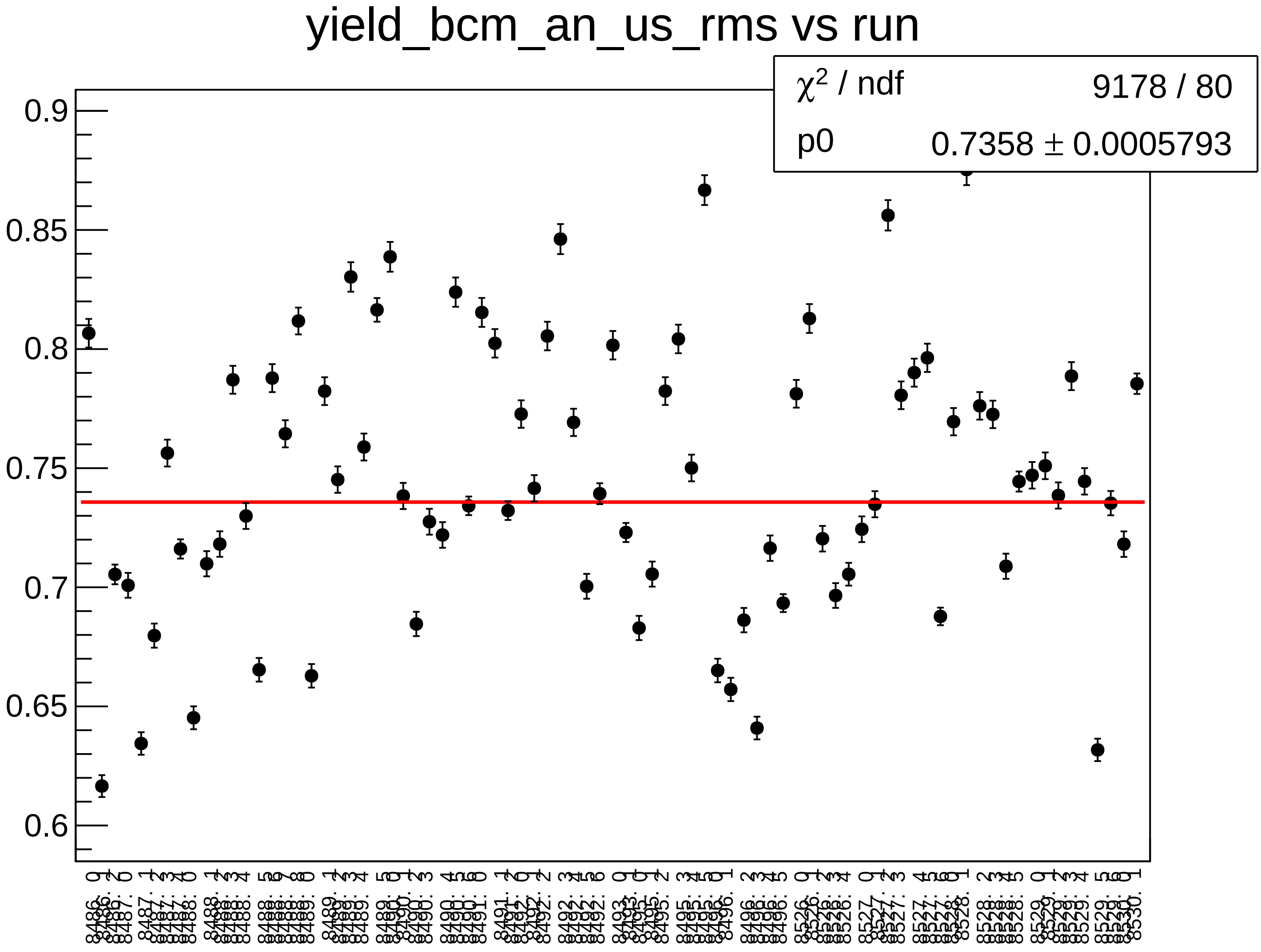

yield_bcm_an_ds3_mean vs run
χ^2 / ndf 3.044e+05 / 80
p0 146.8 ± 0.0008214
147.8
147.6
147.4
147.2
147
146.8
146.6
146.4
146.2
150
100
50
0
−50
pull
Entries 81
Mean 1491
Std Dev 1446
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



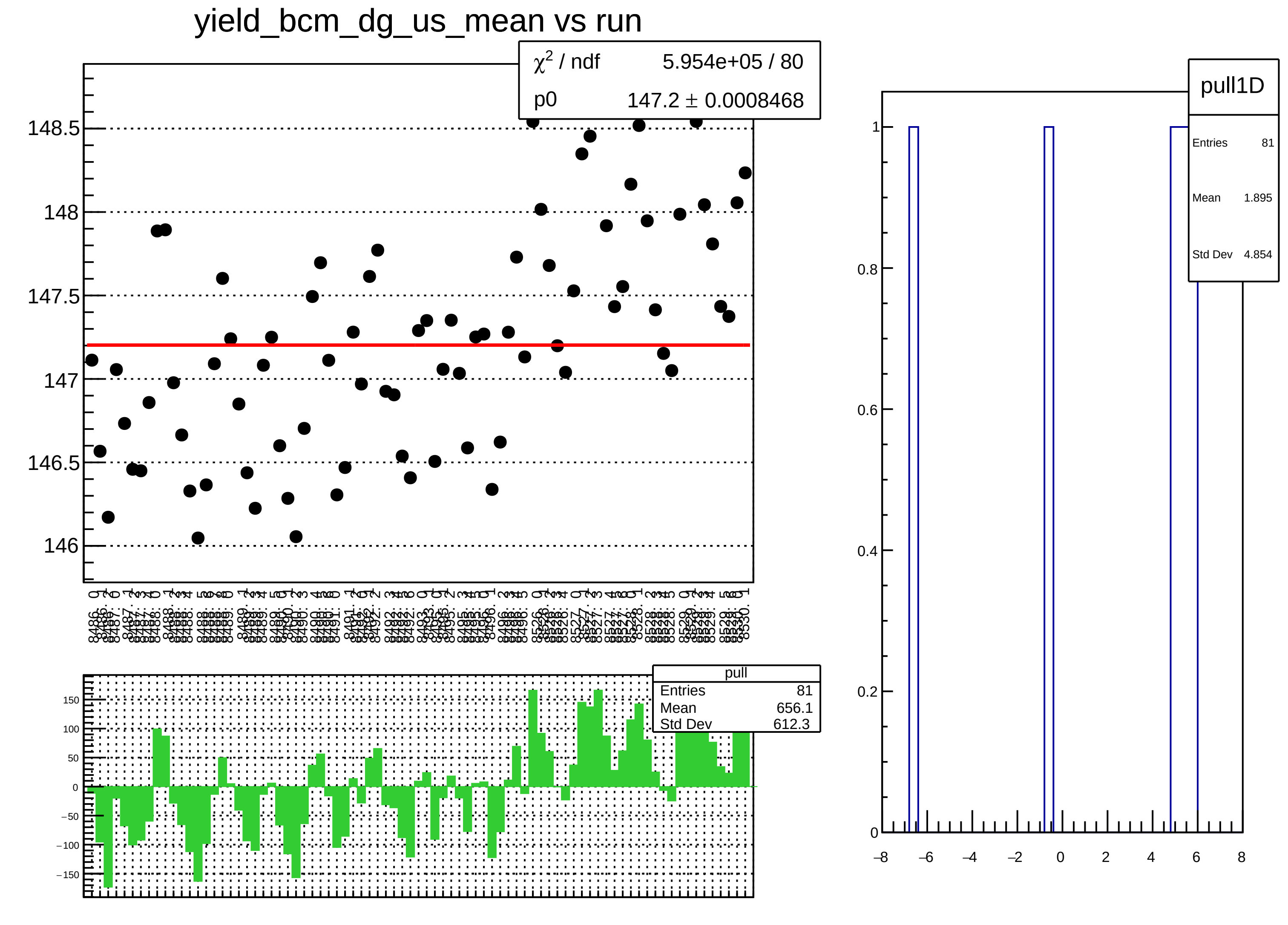
yield_bcm_an_ds3_rms vs run
χ2 / ndf 9206 / 80
p0 0.7376 ± 0.0005808
0.9
0.85
0.8
0.75
0.7
0.65
0.6

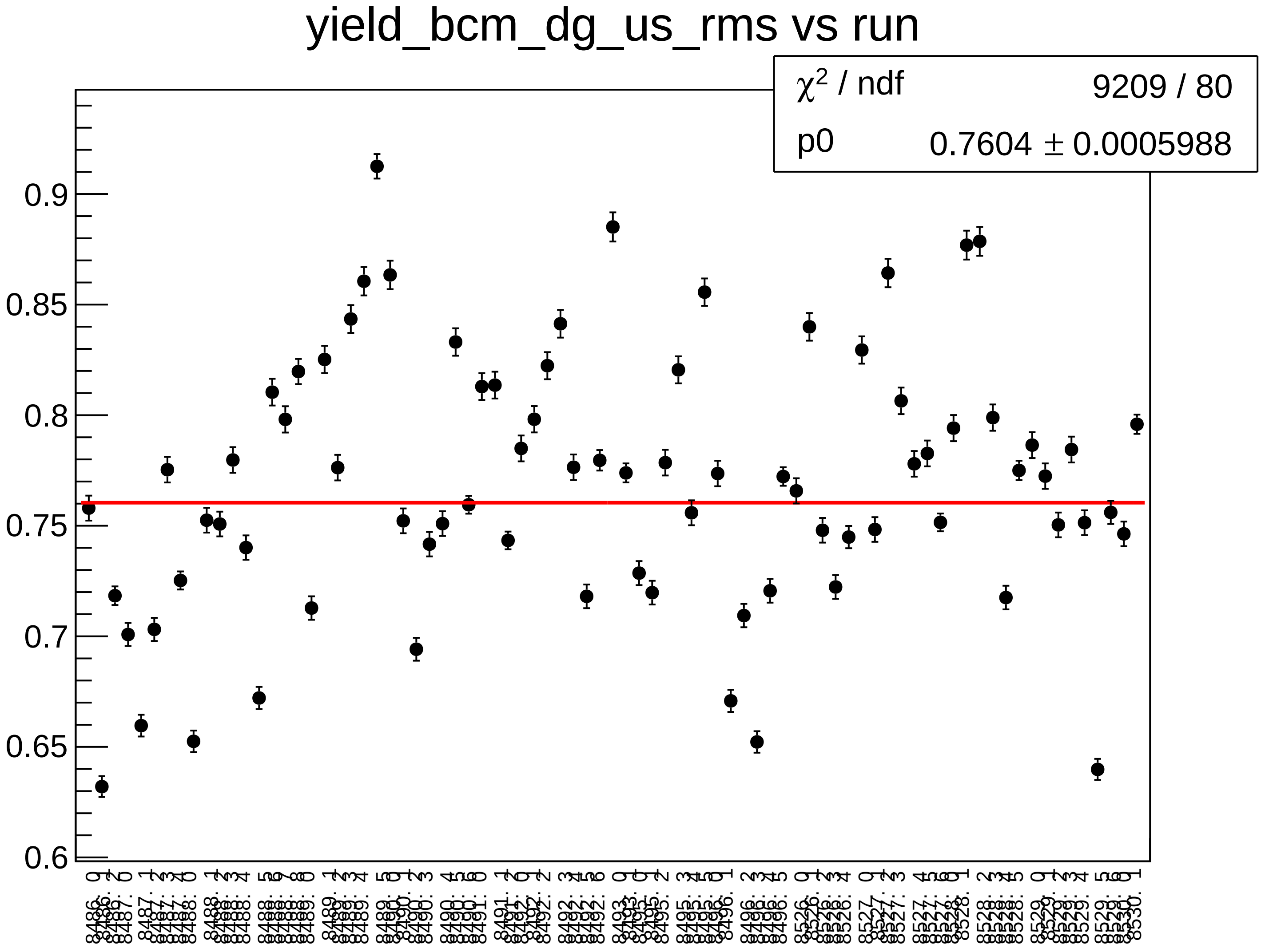


yield_bcm_an_us_mean vs run
χ^2 / ndf 2.783e+05 / 80
p0 146.5 ± 0.0008193
pull
Entries 81
Mean 1454
Std Dev 1410
pull1D
Entries 81
Mean 0
Std Dev 0

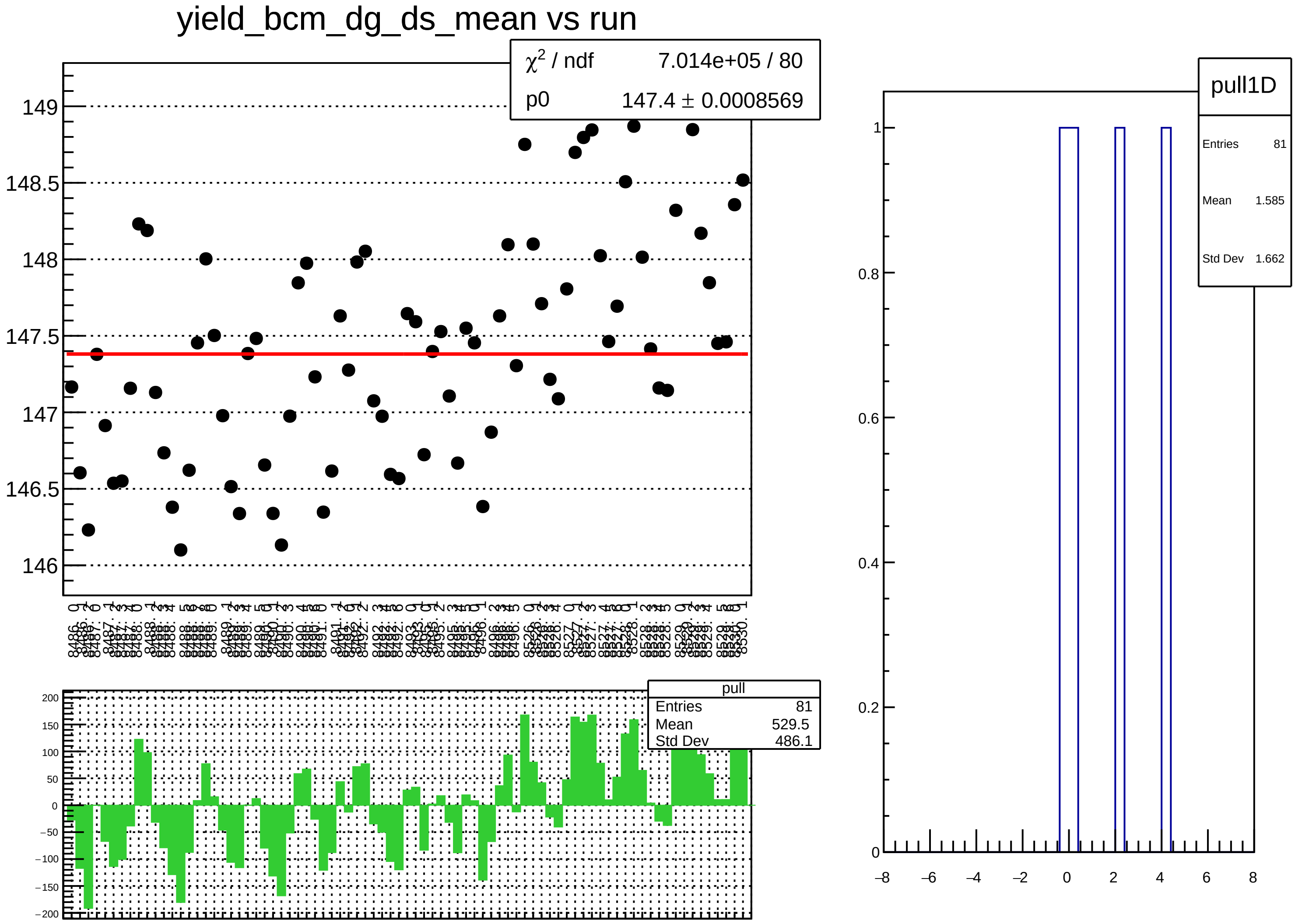


yield_bcm_an_us_rms vs run
χ^2 / ndf 9178 / 80
p0 0.7358 ± 0.0005793
0.9
0.85
0.8
0.75
0.7
0.65
0.6

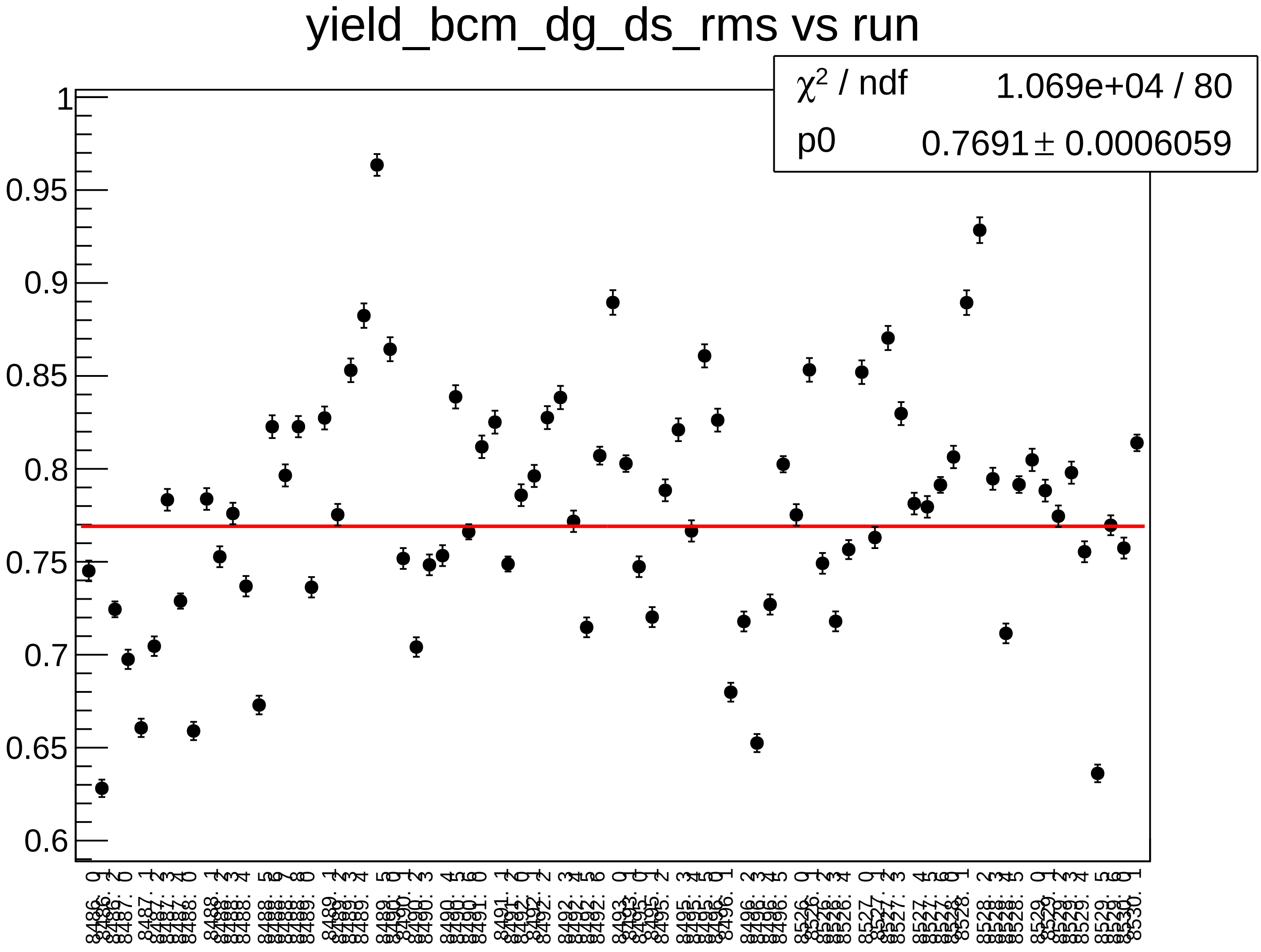

yield_bcm_dg_us_mean vs run
χ2 / ndf 5.954e+05 / 80
p0 147.2 ± 0.0008468
pull
Entries 81
Mean 656.1
Std Dev 612.3
pull1D
Entries 81
Mean 1.895
Std Dev 4.854



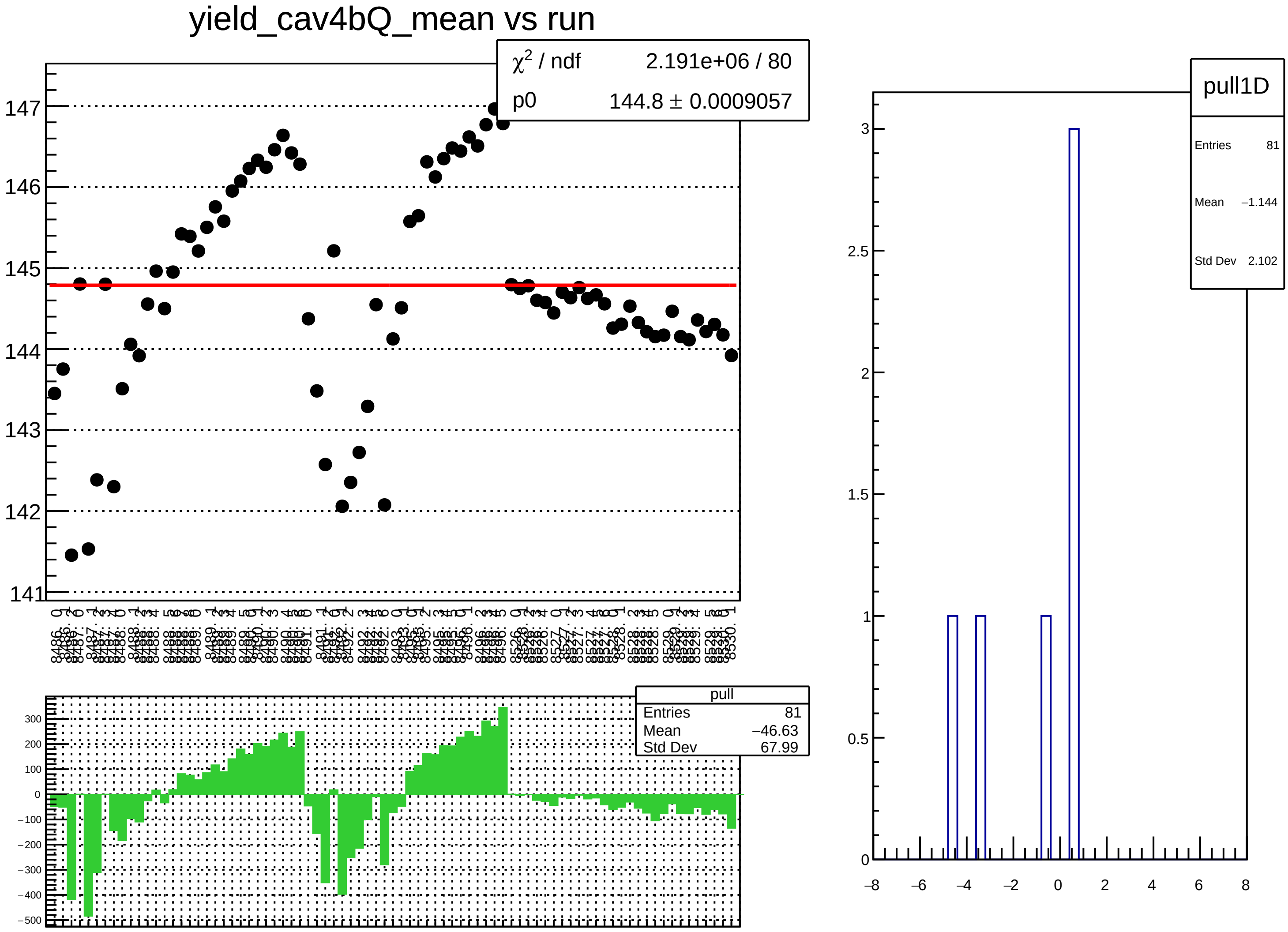
yield_bcm_dg_us_rms vs run
χ^2 / ndf 9209 / 80
p0 0.7604 ± 0.0005988
0.9
0.85
0.8
0.75
0.7
0.65
0.6

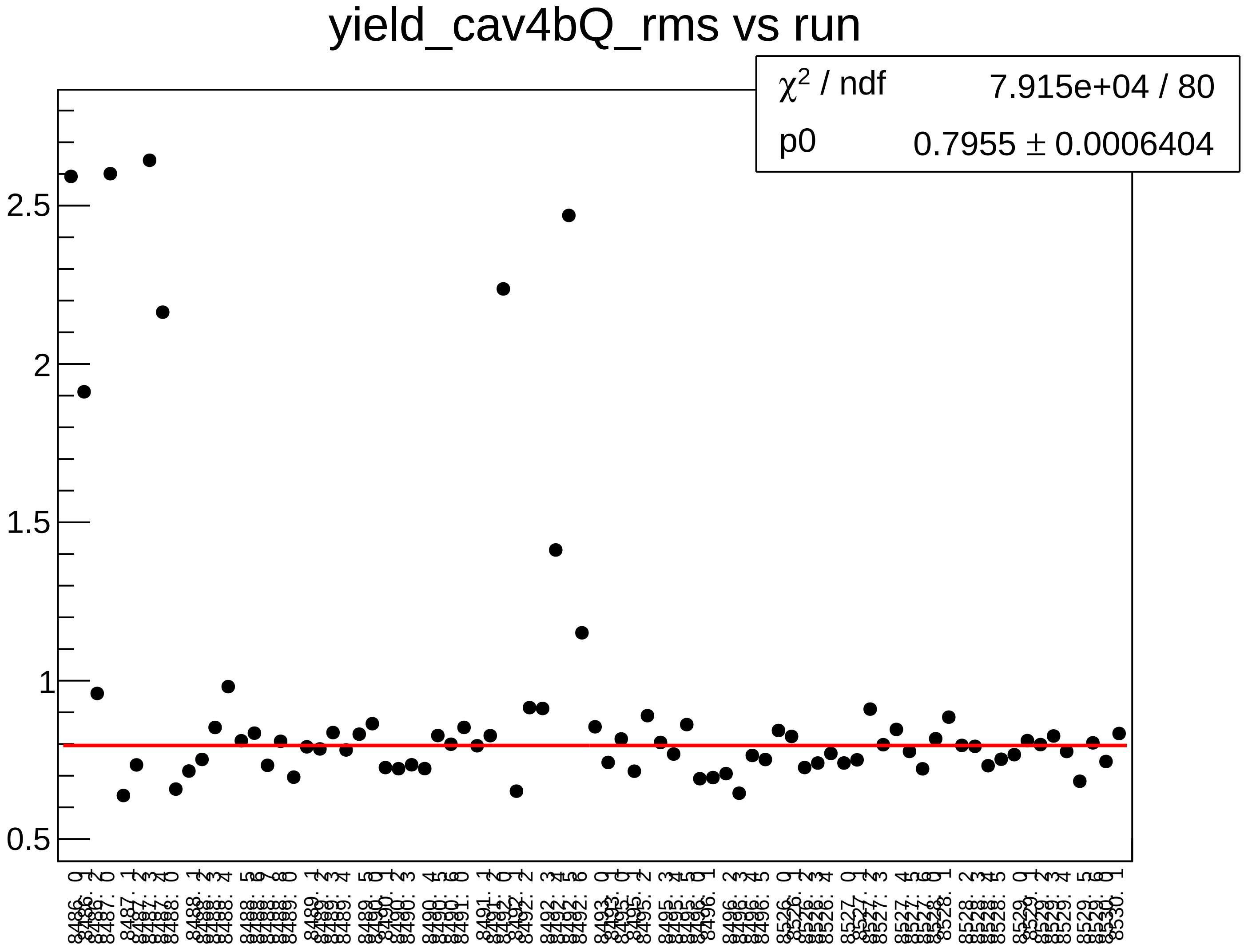


yield_bcm_dg_ds_mean vs run
χ^2 / ndf 7.014e+05 / 80
p0 147.4 ± 0.0008569
pull
Entries 81
Mean 529.5
Std Dev 486.1
pull1D
Entries 81
Mean 1.585
Std Dev 1.662

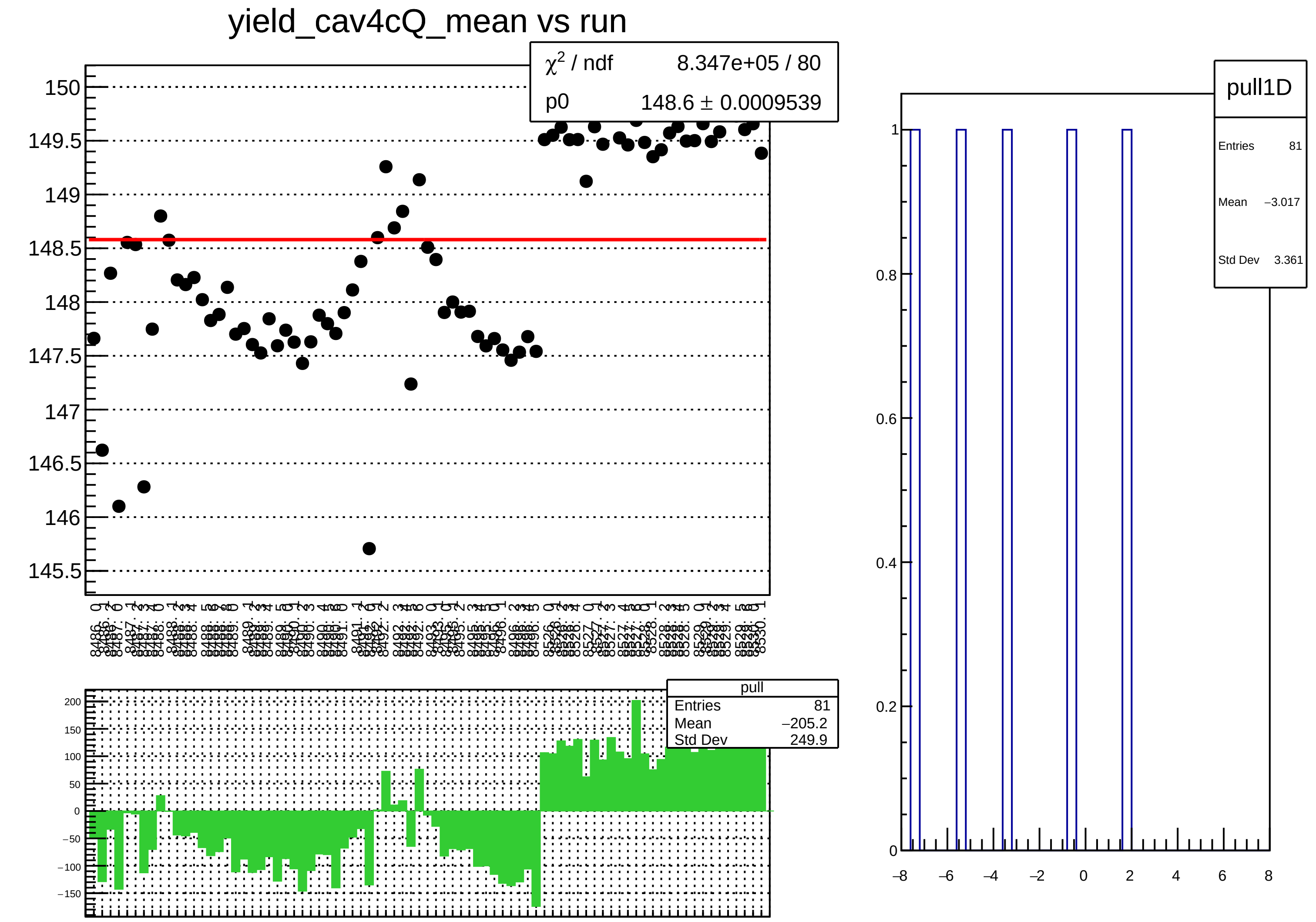


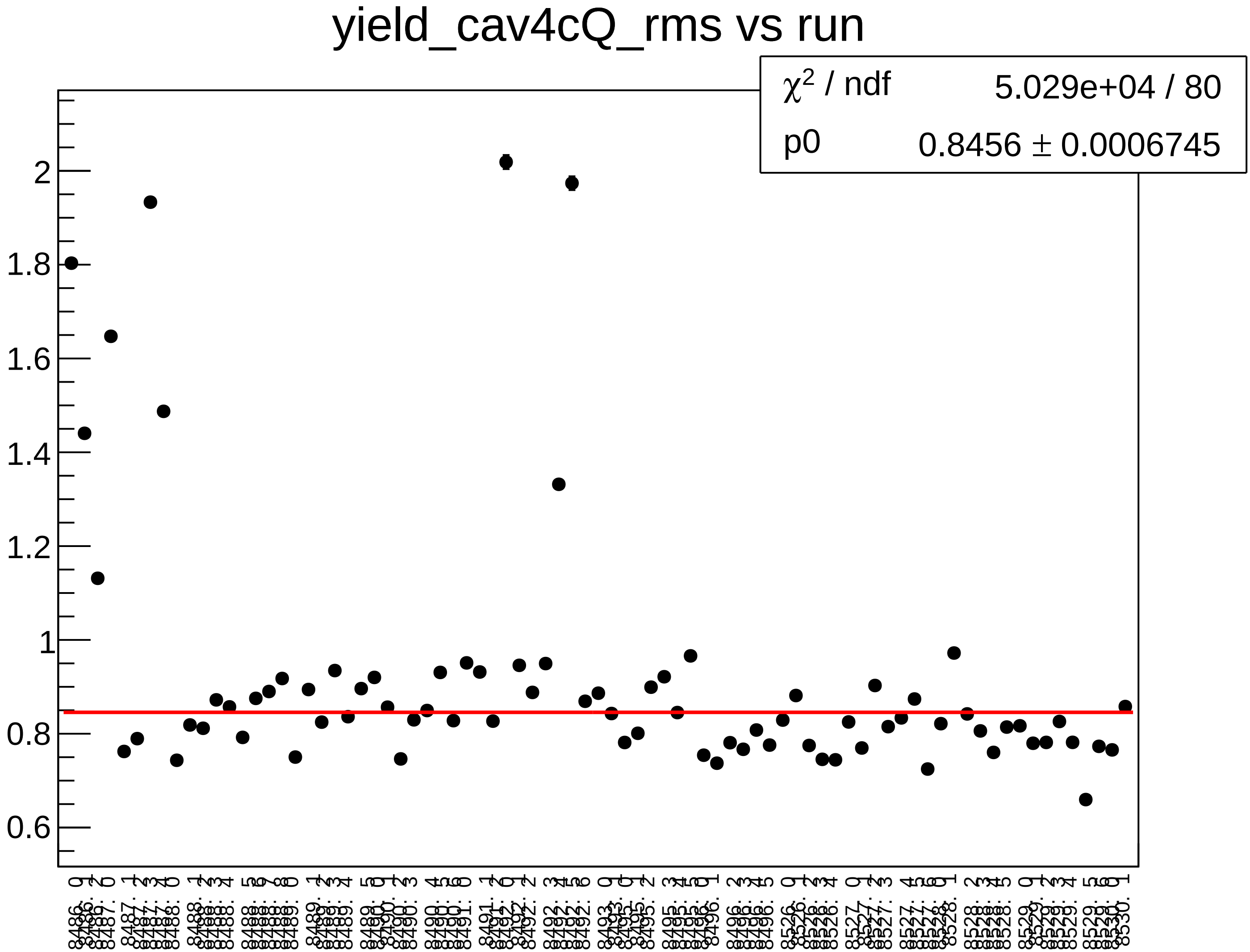
yield_bcm_dg_ds_rms vs run
χ^2 / ndf 1.069e+04 / 80
p0 0.7691 ± 0.0006059
1
0.95
0.9
0.85
0.8
0.75
0.7
0.65
0.6


yield_cav4bQ_mean vs run
χ^2 / ndf 2.191e+06 / 80
p0 144.8 ± 0.0009057
pull
Entries 81
Mean −46.63
Std Dev 67.99
pull1D
Entries 81
Mean −1.144
Std Dev 2.102

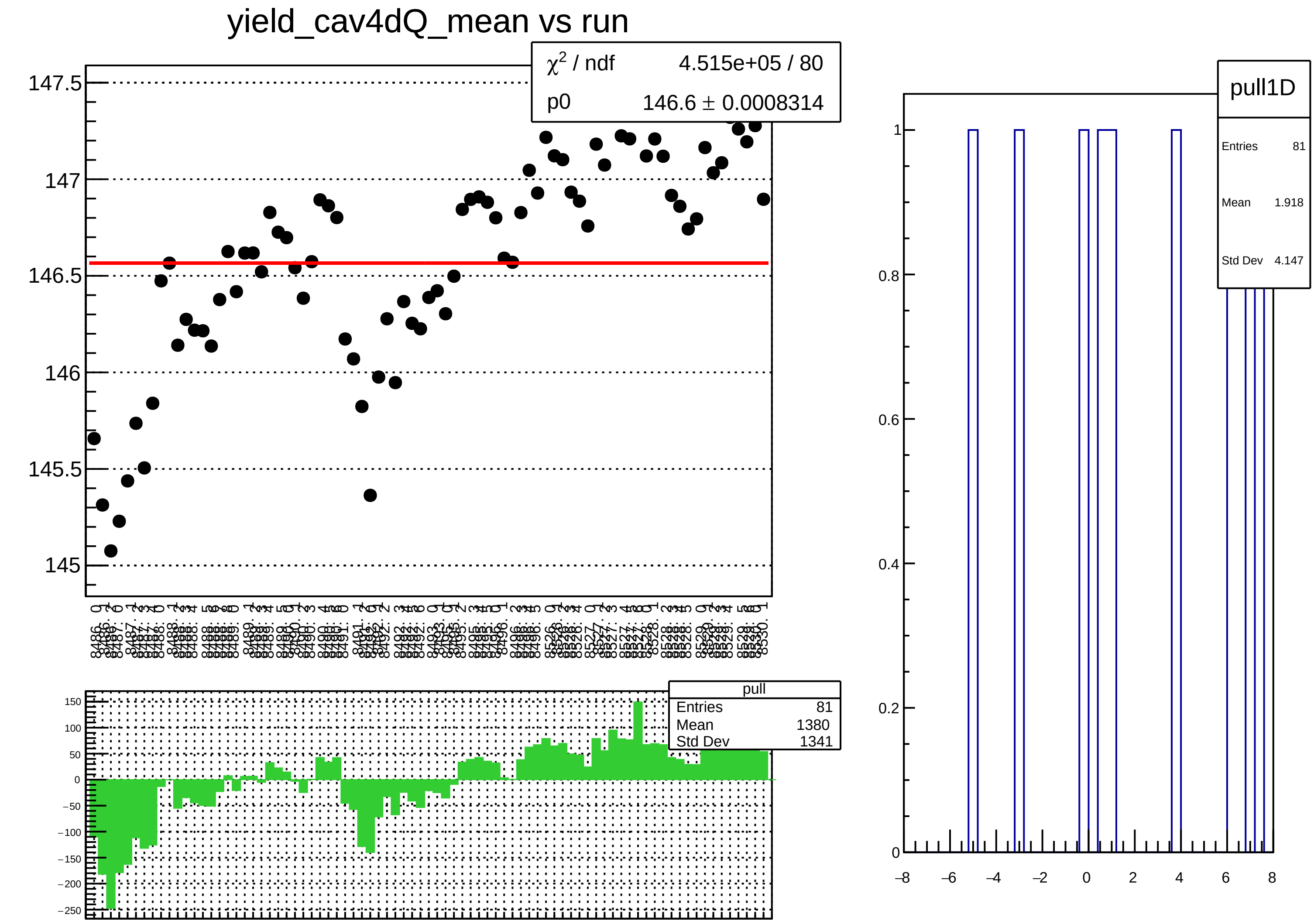


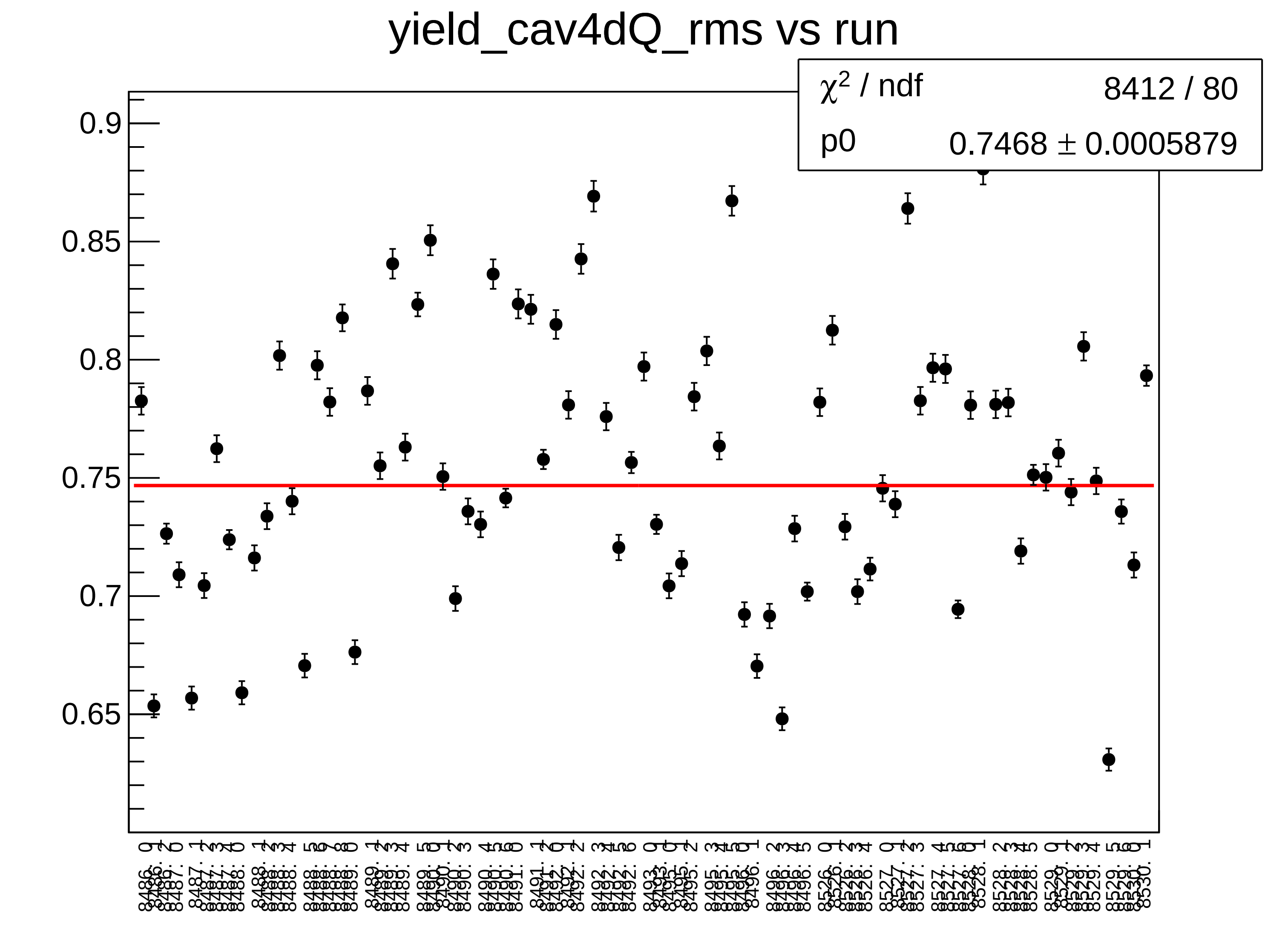
yield_cav4bQ_rms vs run
χ^2 / ndf 7.915e+04 / 80
p0 0.7955 ± 0.0006404
2.5
2
1.5
1
0.5


yield_cav4cQ_mean vs run
χ2 / ndf 8.347e+05 / 80
p0 148.6 ± 0.0009539
pull
Entries 81
Mean −205.2
Std Dev 249.9
pull1D
Entries 81
Mean −3.017
Std Dev 3.361

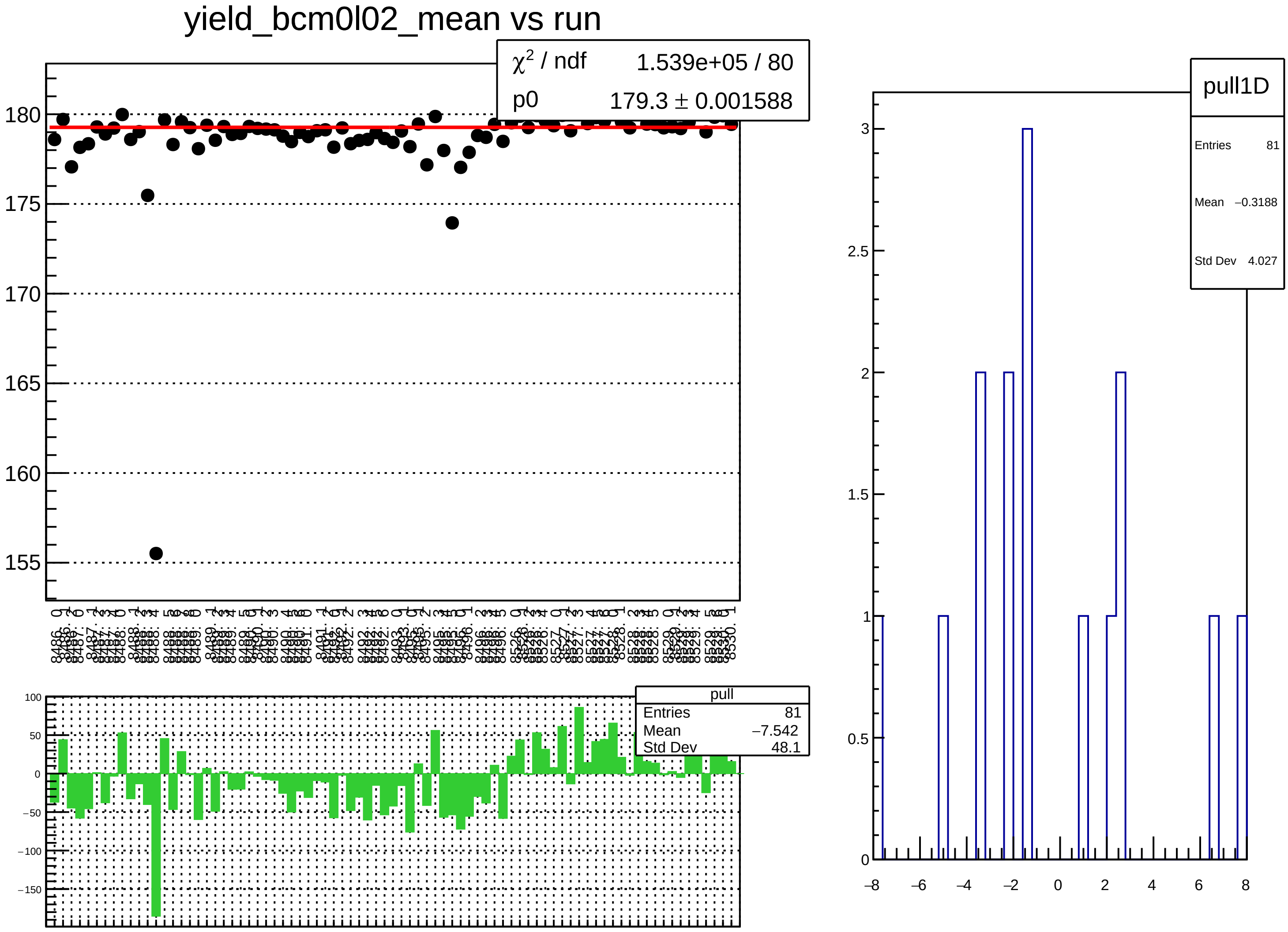


yield_cav4cQ_rms vs run
χ² / ndf 5.029e+04 / 80
p0 0.8456 ± 0.0006745
2
1.8
1.6
1.4
1.2
1
0.8
0.6

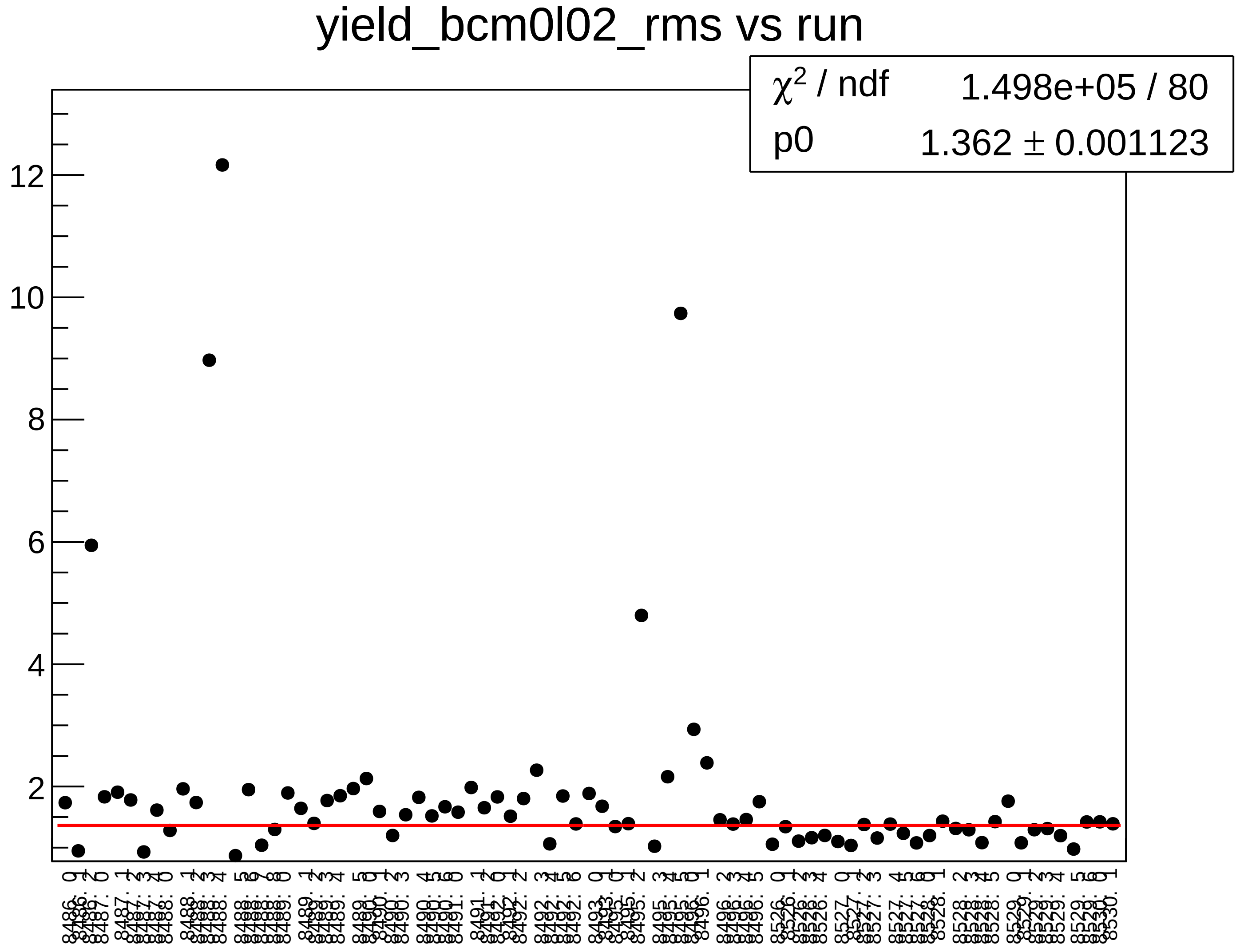

yield_cav4dQ_mean vs run
χ2 / ndf 4.515e+05 / 80
p0 146.6 ± 0.0008314
147.5
147
146.5
146
145.5
145
pull
Entries 81
Mean 1380
Std Dev 1341
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 81
Mean 1.918
Std Dev 4.147
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

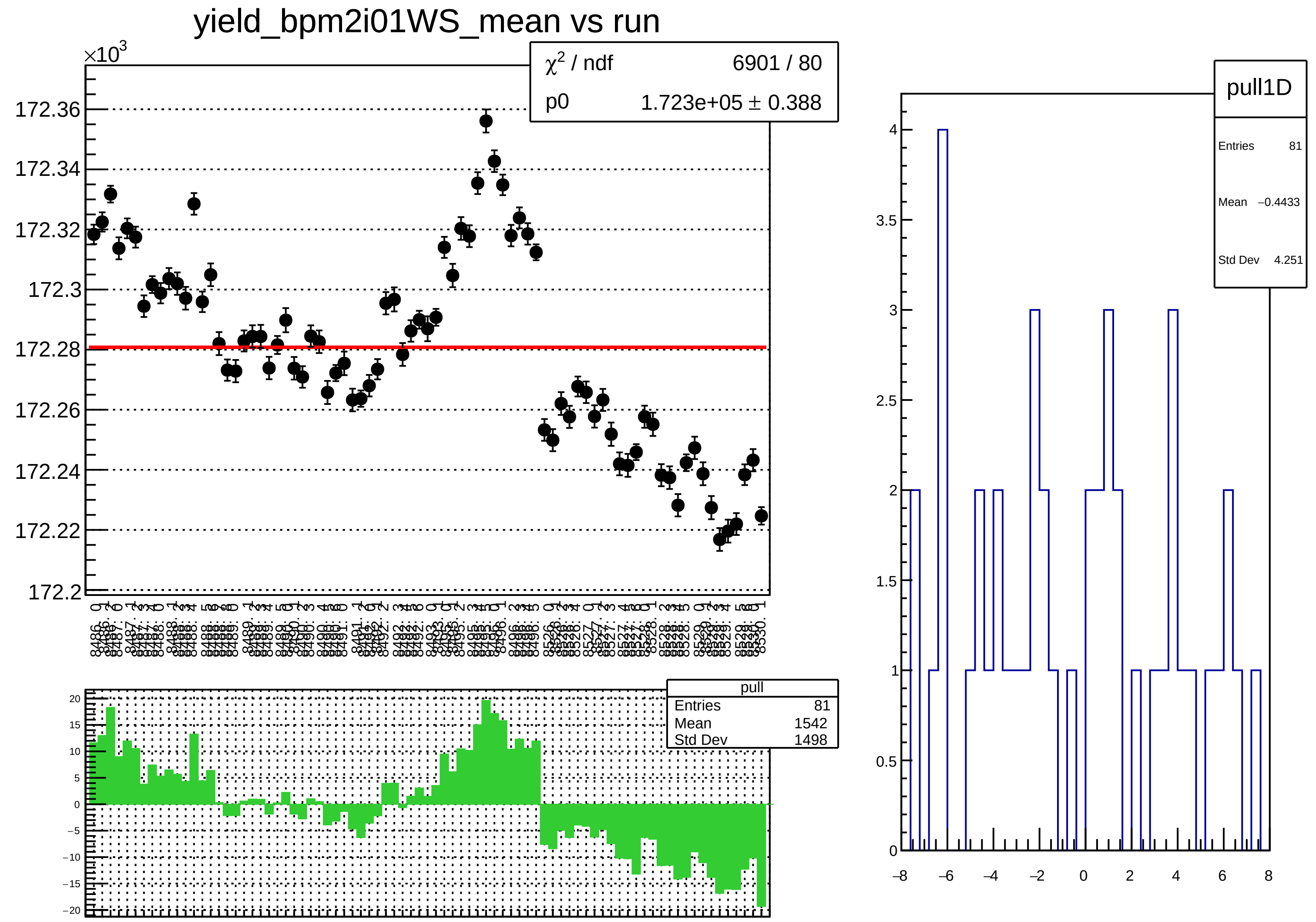


yield_cav4dQ_rms vs run
χ^2 / ndf 8412 / 80
p0 0.7468 ± 0.0005879
0.9
0.85
0.8
0.75
0.7
0.65

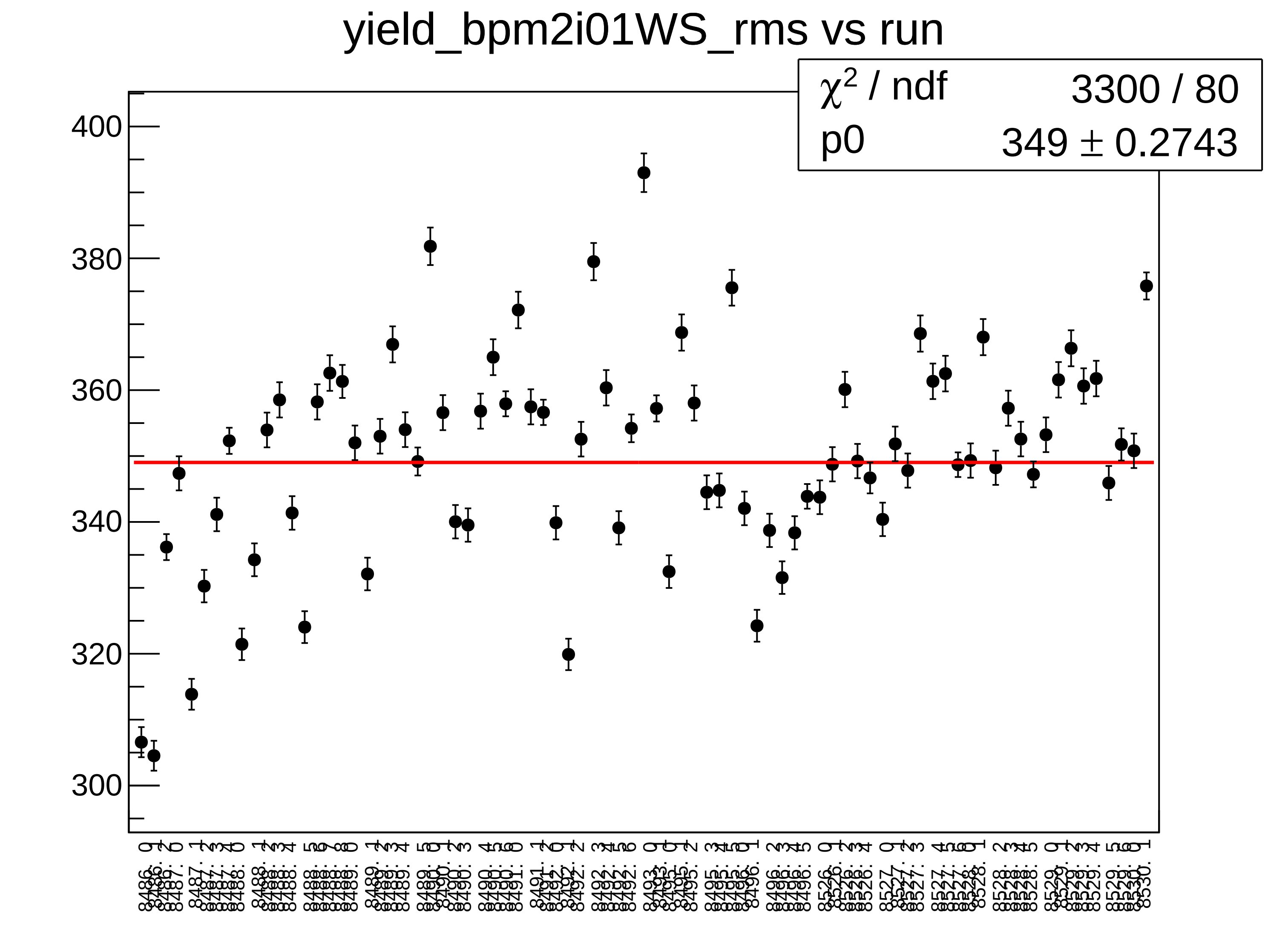


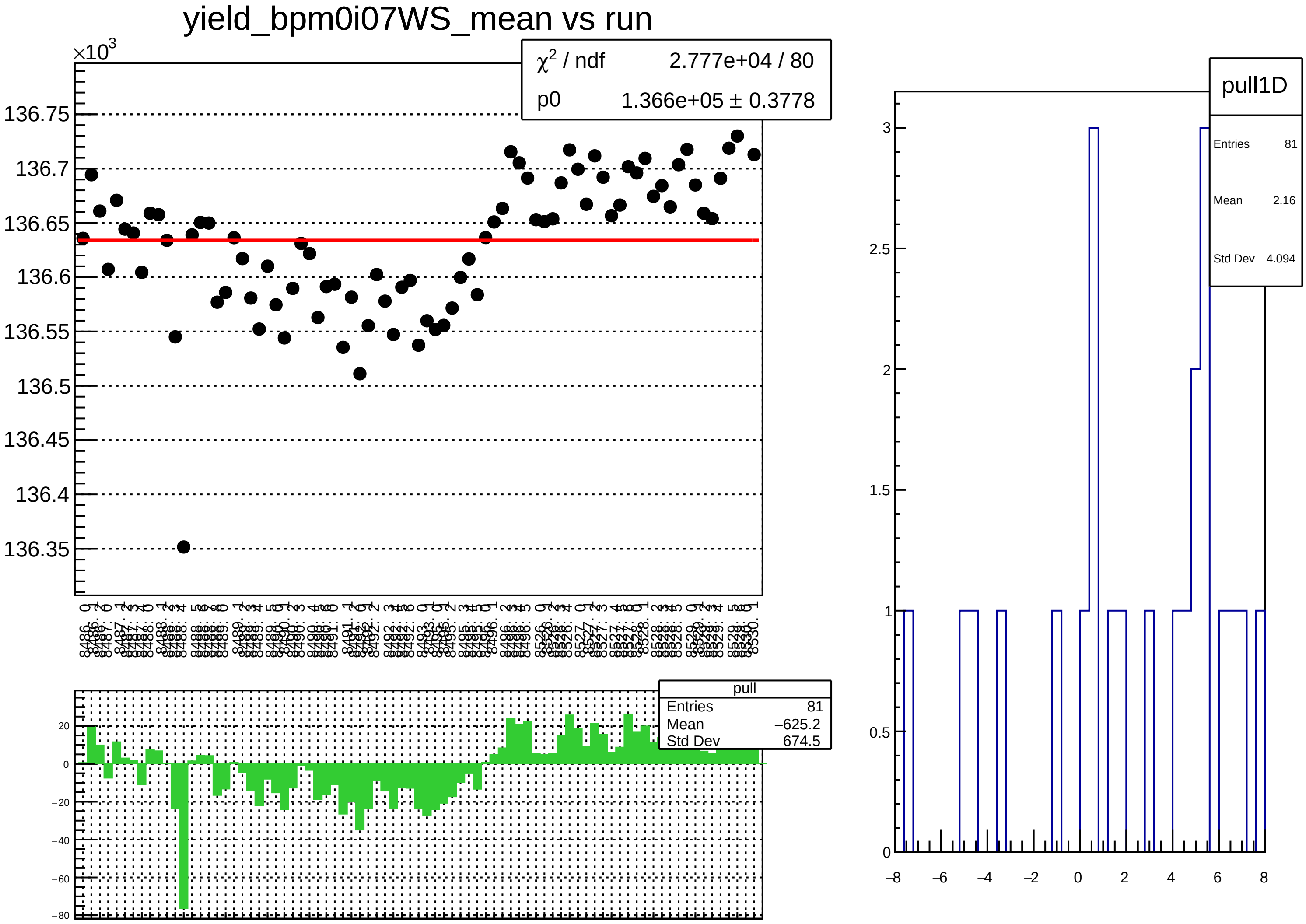
yield_bcm0l02_mean vs run
χ^2 / ndf 1.539e+05 / 80
p0 179.3 ± 0.001588
pull
Entries 81
Mean −7.542
Std Dev 48.1
pull1D
Entries 81
Mean −0.3188
Std Dev 4.027


yield_bcm0l02_rms vs run
χ2 / ndf 1.498e+05 / 80
p0 1.362 ± 0.001123
12
10
8
6
4
2

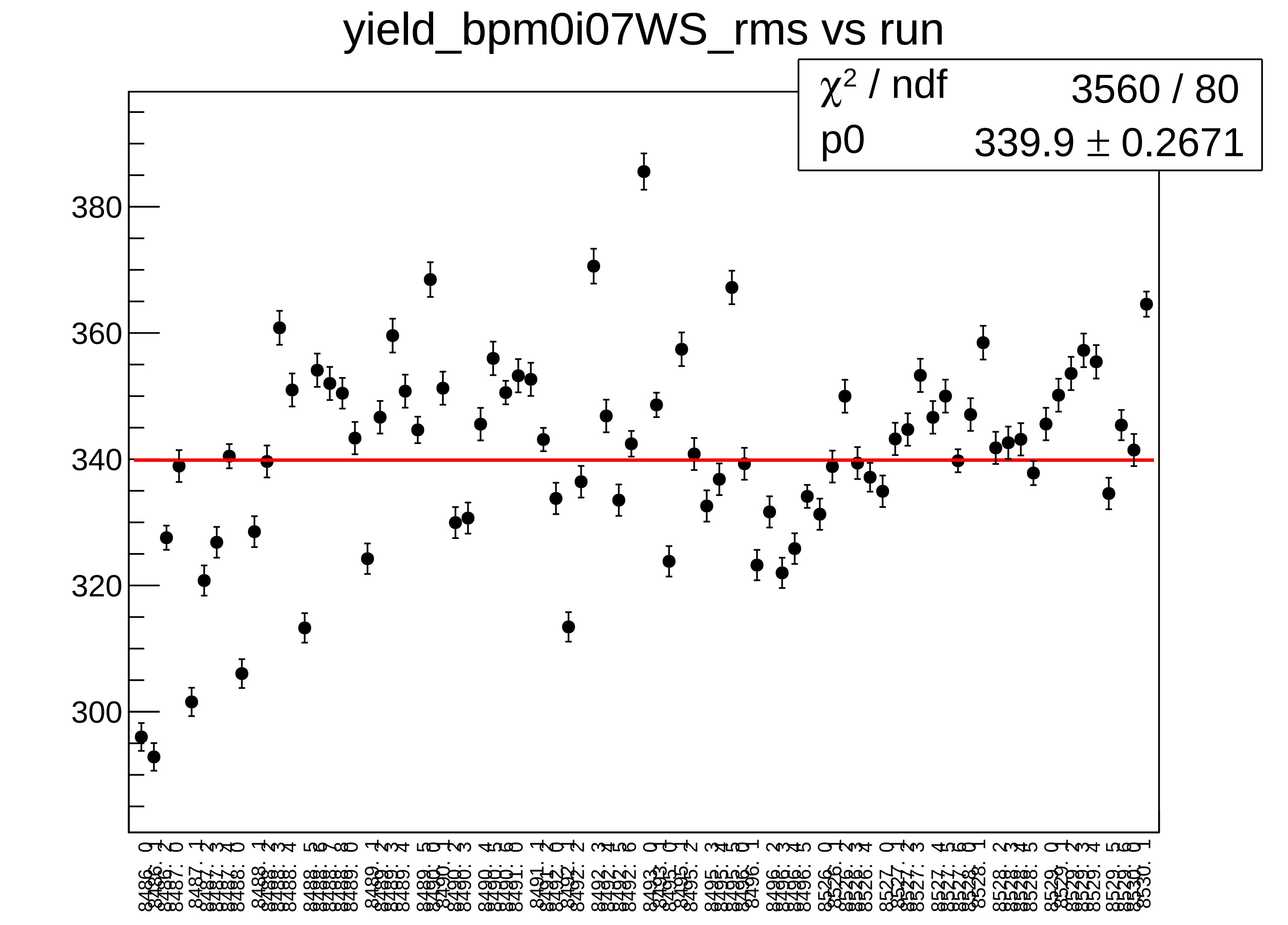


yield_bpm2i01WS_mean vs run
χ² / ndf 6901 / 80
p0 1.723e+05 ± 0.388
×10³
pull
Entries 81
Mean 1542
Std Dev 1498
pull1D
Entries 81
Mean −0.4433
Std Dev 4.251

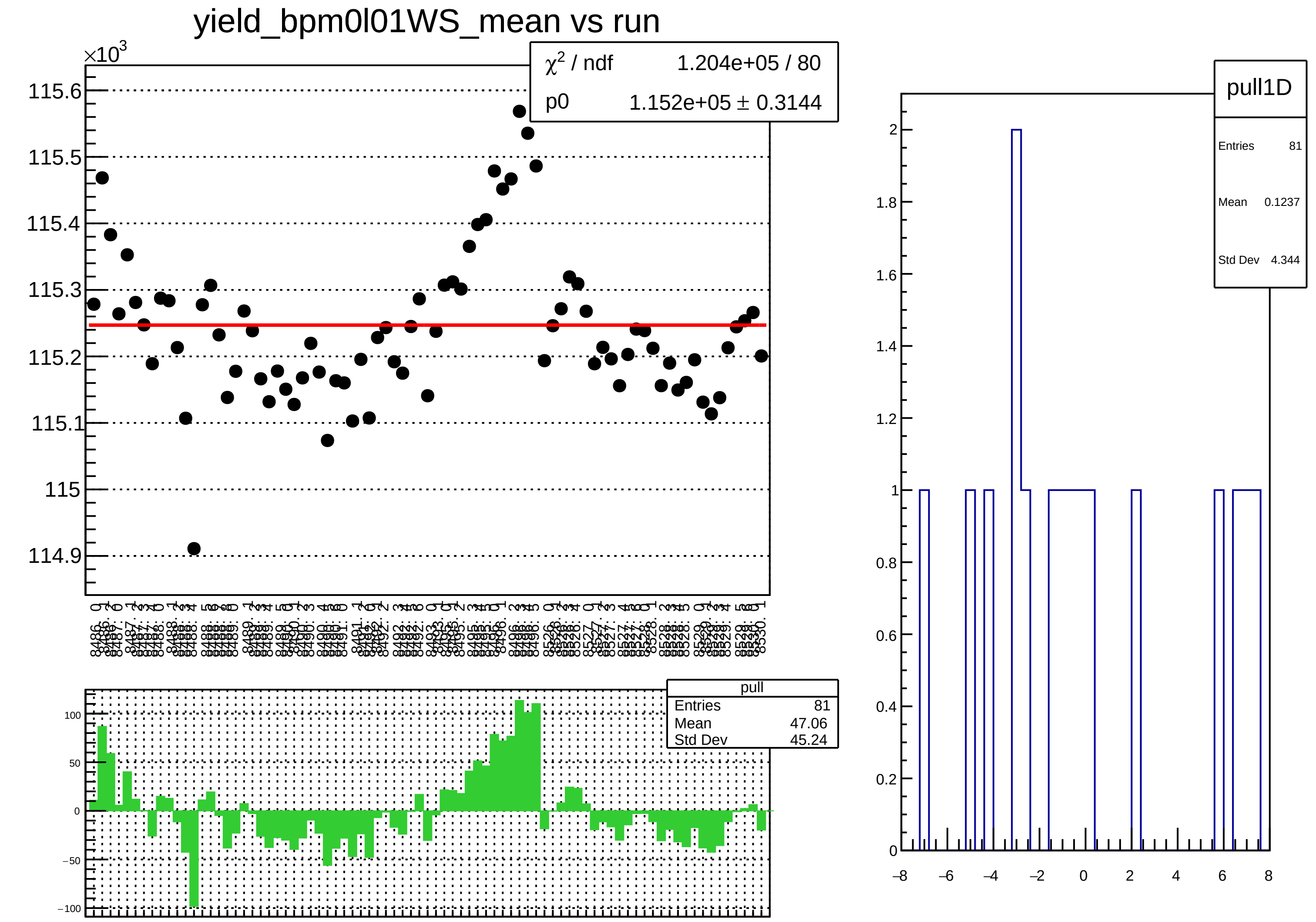

yield_bpm2i01WS_rms vs run
χ2 / ndf 3300 / 80
p0 349 ± 0.2743
400
380
360
340
320
300

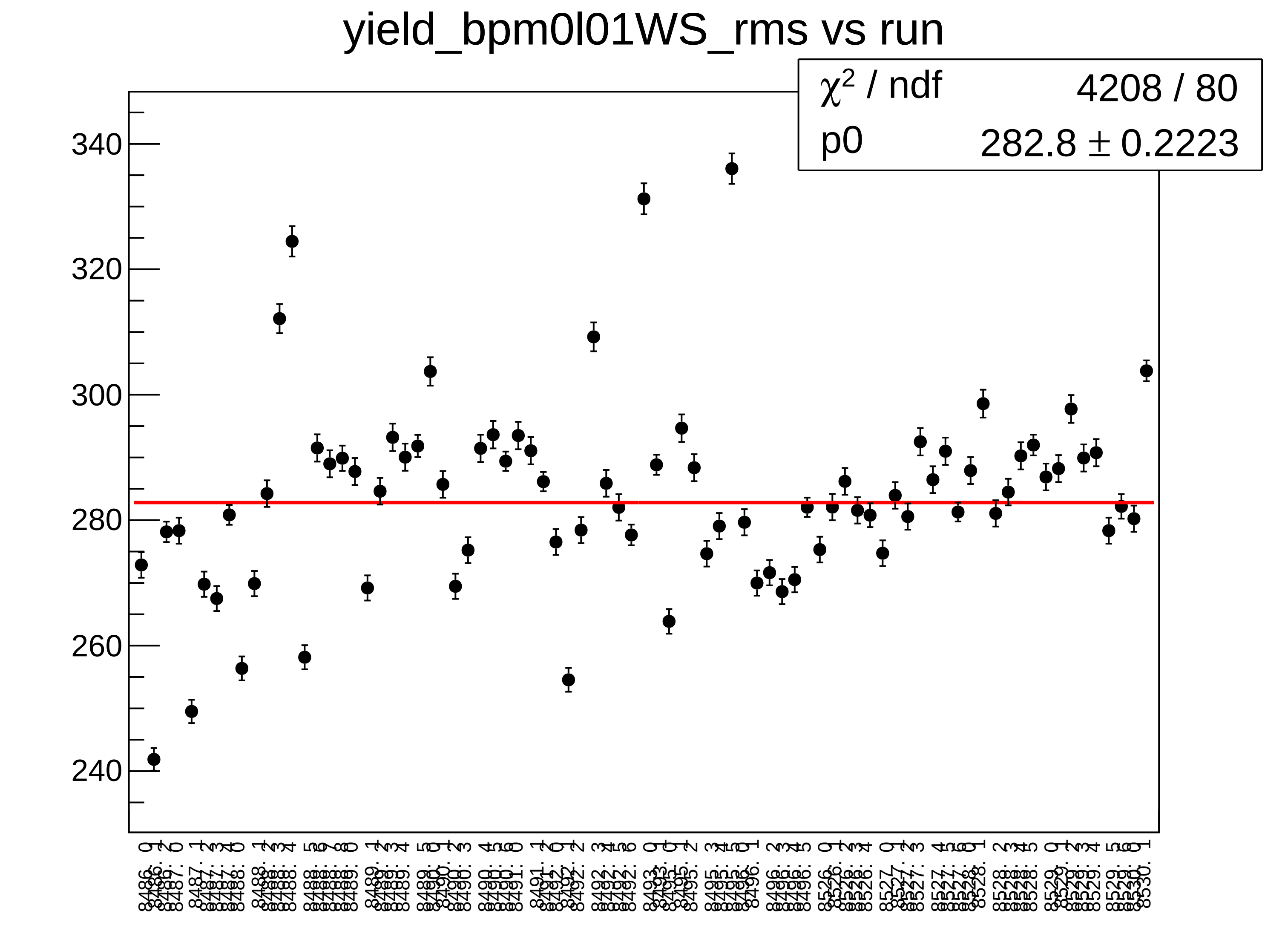


yield_bpm0i07WS_mean vs run
χ2 / ndf 2.777e+04 / 80
p0 1.366e+05 ± 0.3778
pull
Entries 81
Mean −625.2
Std Dev 674.5
pull1D
Entries 81
Mean 2.16
Std Dev 4.094

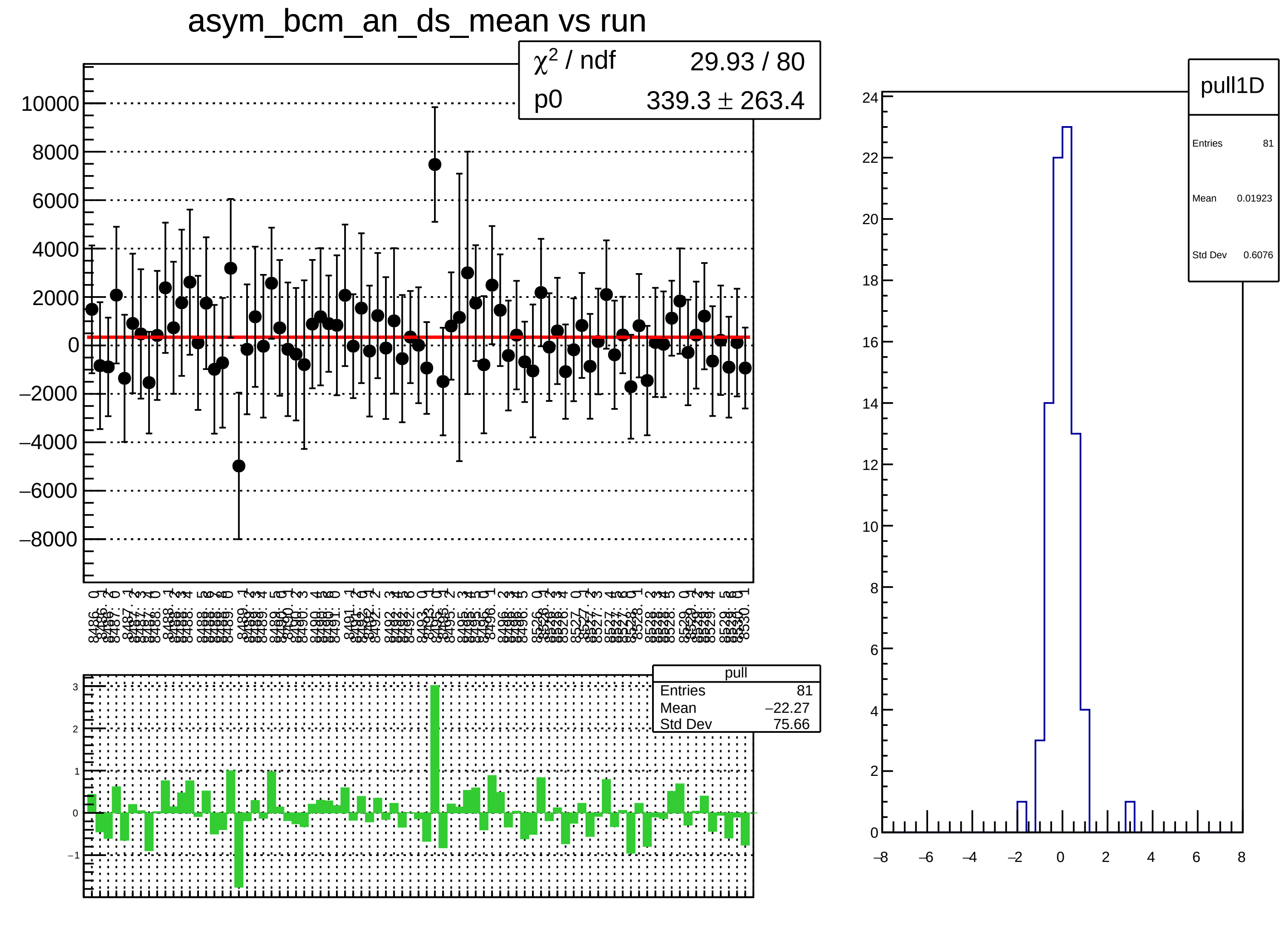


yield_bpm0i07WS_rms vs run
χ^2 / ndf 3560 / 80
p0 339.9 ± 0.2671
380
360
340
320
300

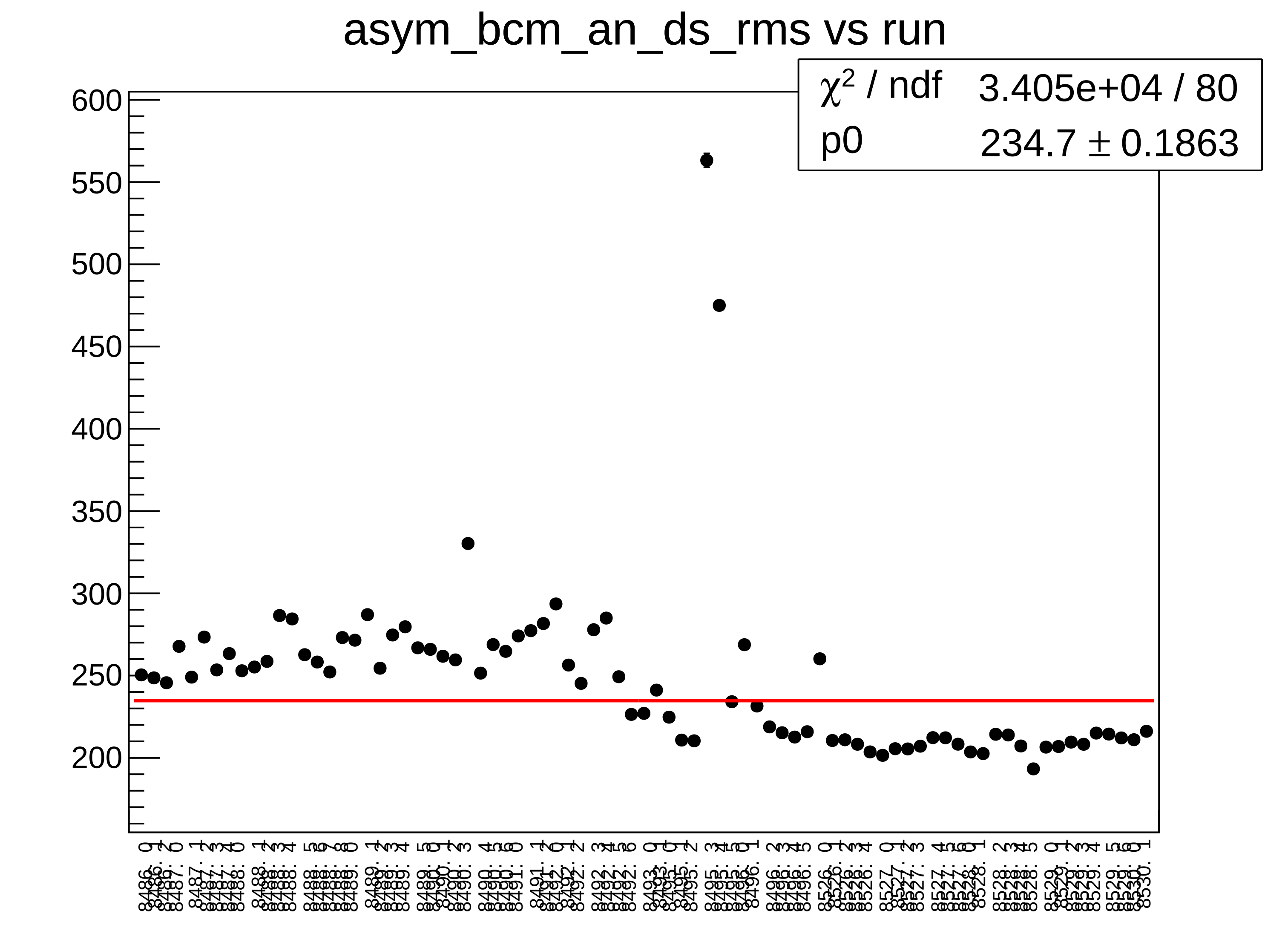

yield_bpm0l01WS_mean vs run
χ^2 / ndf 1.204e+05 / 80
p0 1.152e+05 ± 0.3144
$\times10^3$
pull
Entries 81
Mean 47.06
Std Dev 45.24
pull1D
Entries 81
Mean 0.1237
Std Dev 4.344



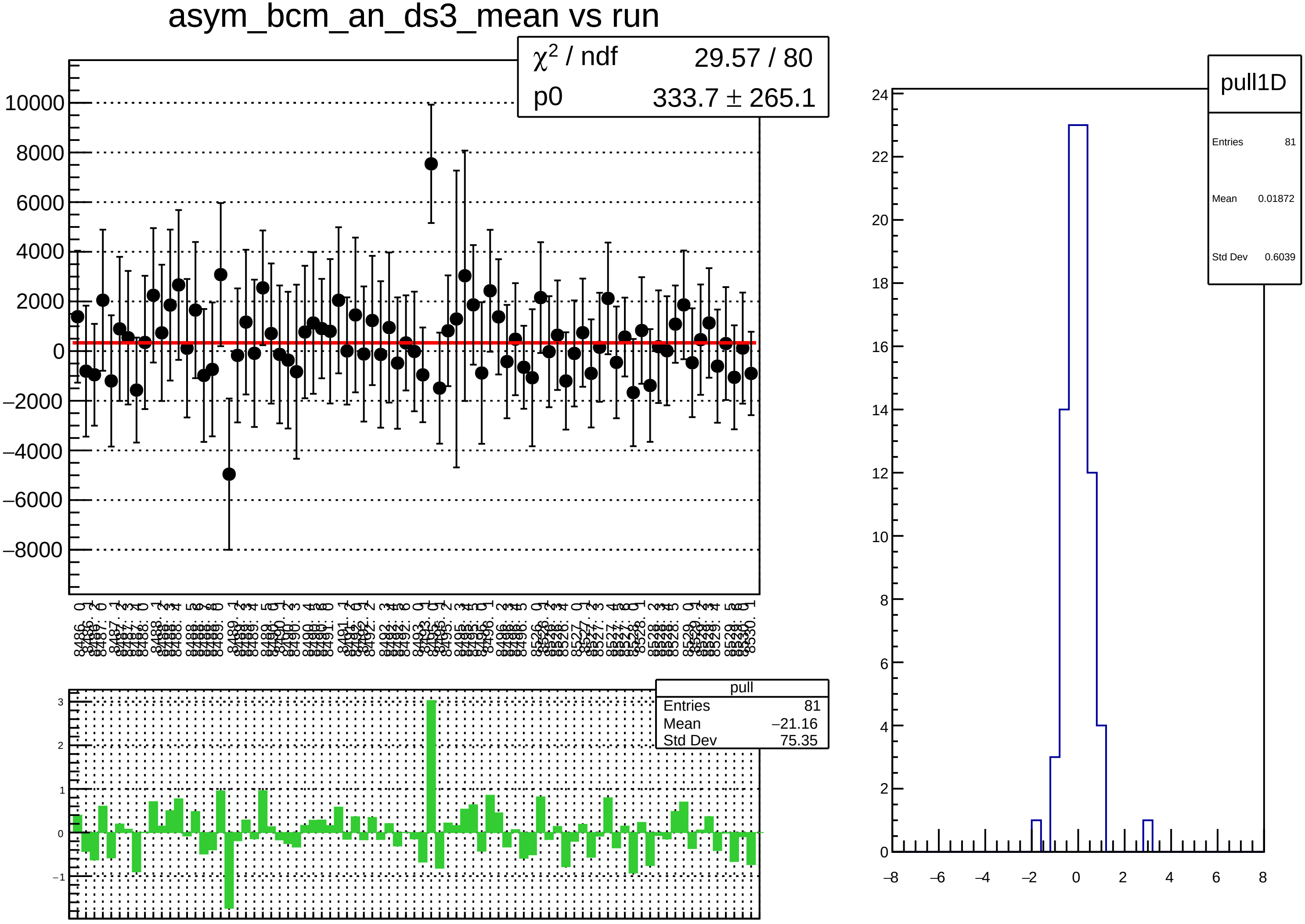
yield_bpm0l01WS_rms vs run
χ^2 / ndf 4208 / 80
p0 282.8 ± 0.2223
340
320
300
280
260
240



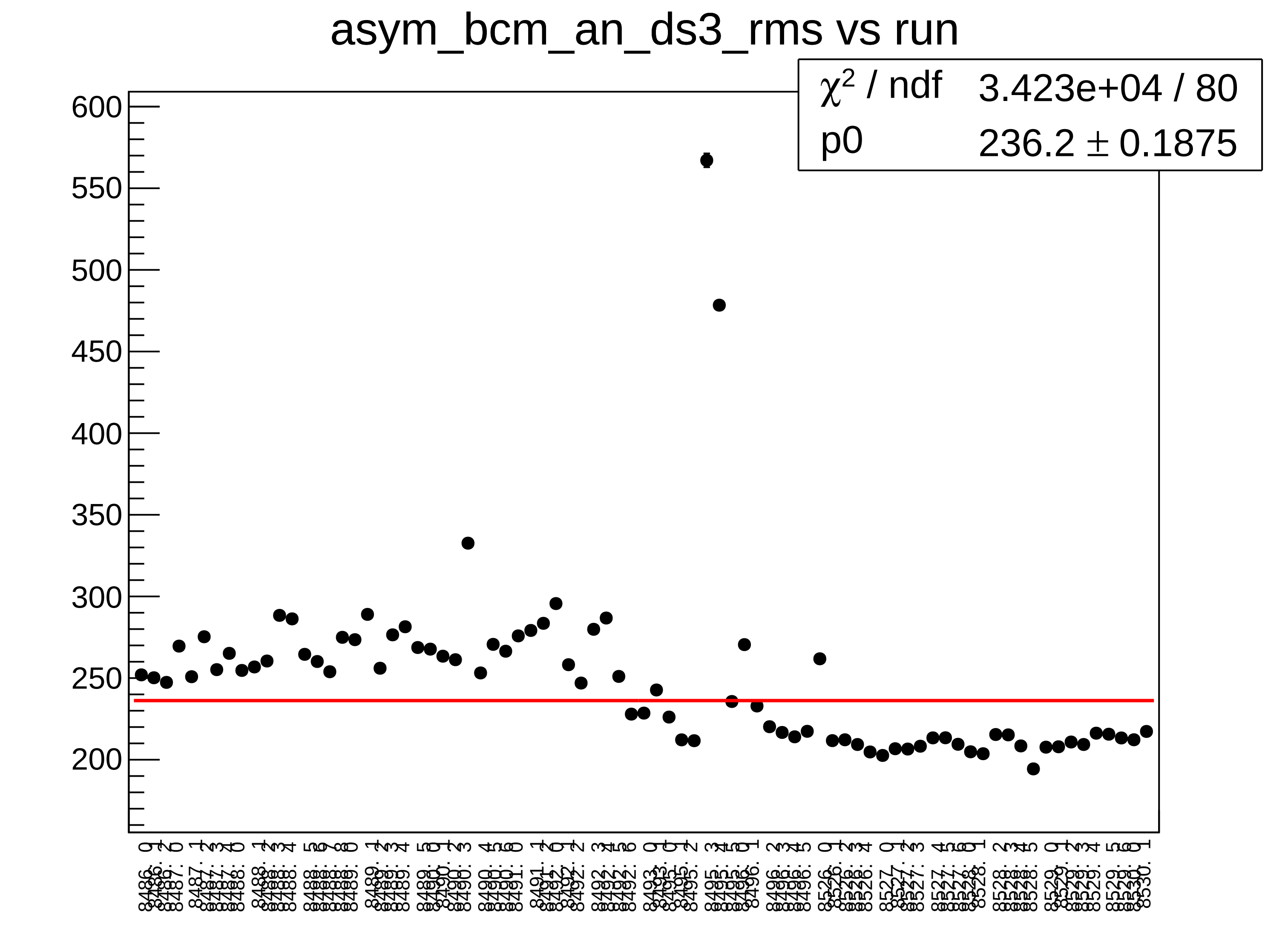
asym_bcm_an_ds_mean vs run
χ^2 / ndf 29.93 / 80
p0 339.3 ± 263.4
pull
Entries 81
Mean −22.27
Std Dev 75.66
pull1D
Entries 81
Mean 0.01923
Std Dev 0.6076

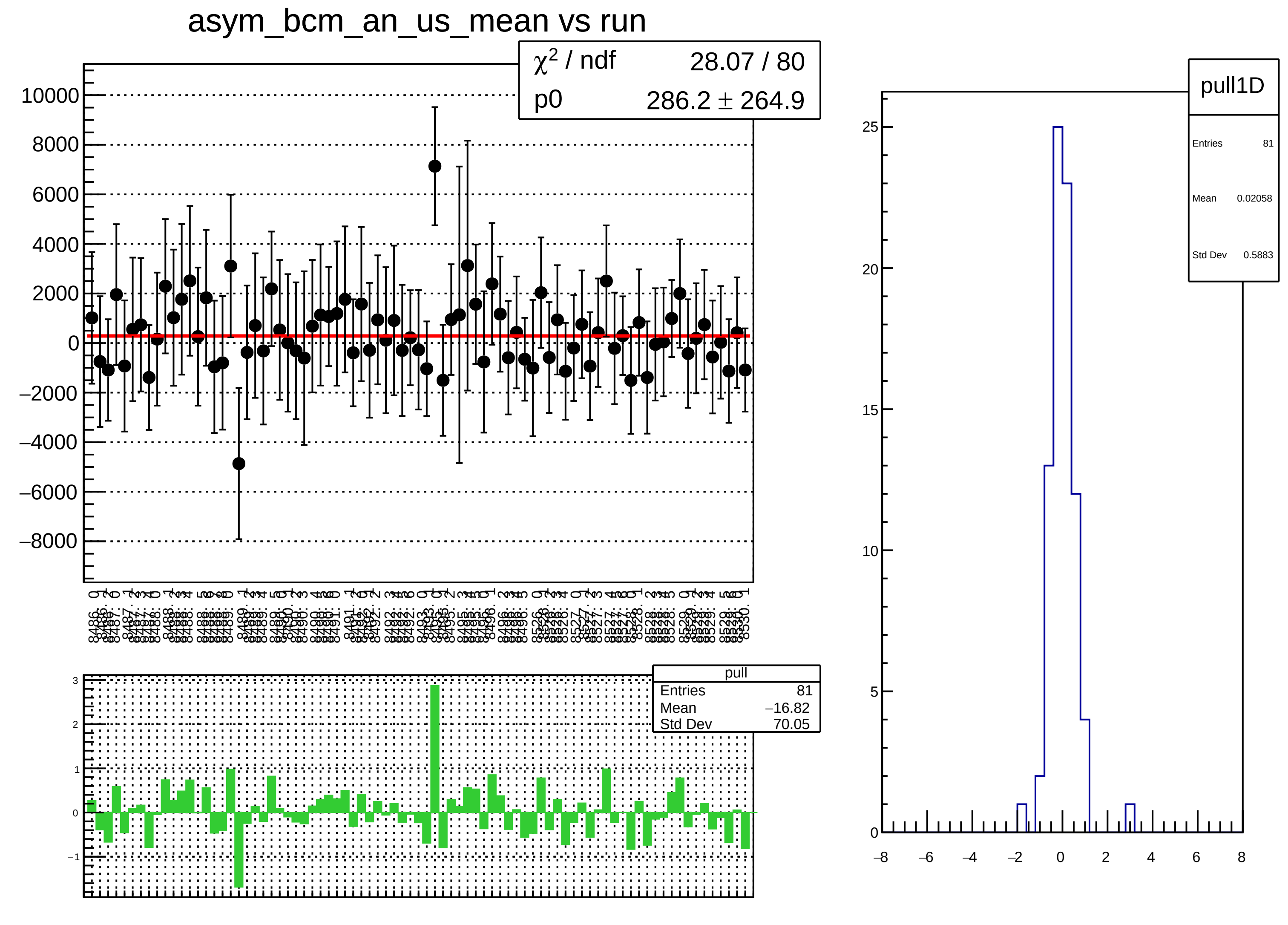


asym_bcm_an_ds_rms vs run
χ^2 / ndf 3.405e+04 / 80
p0 234.7 ± 0.1863
600
550
500
450
400
350
300
250
200



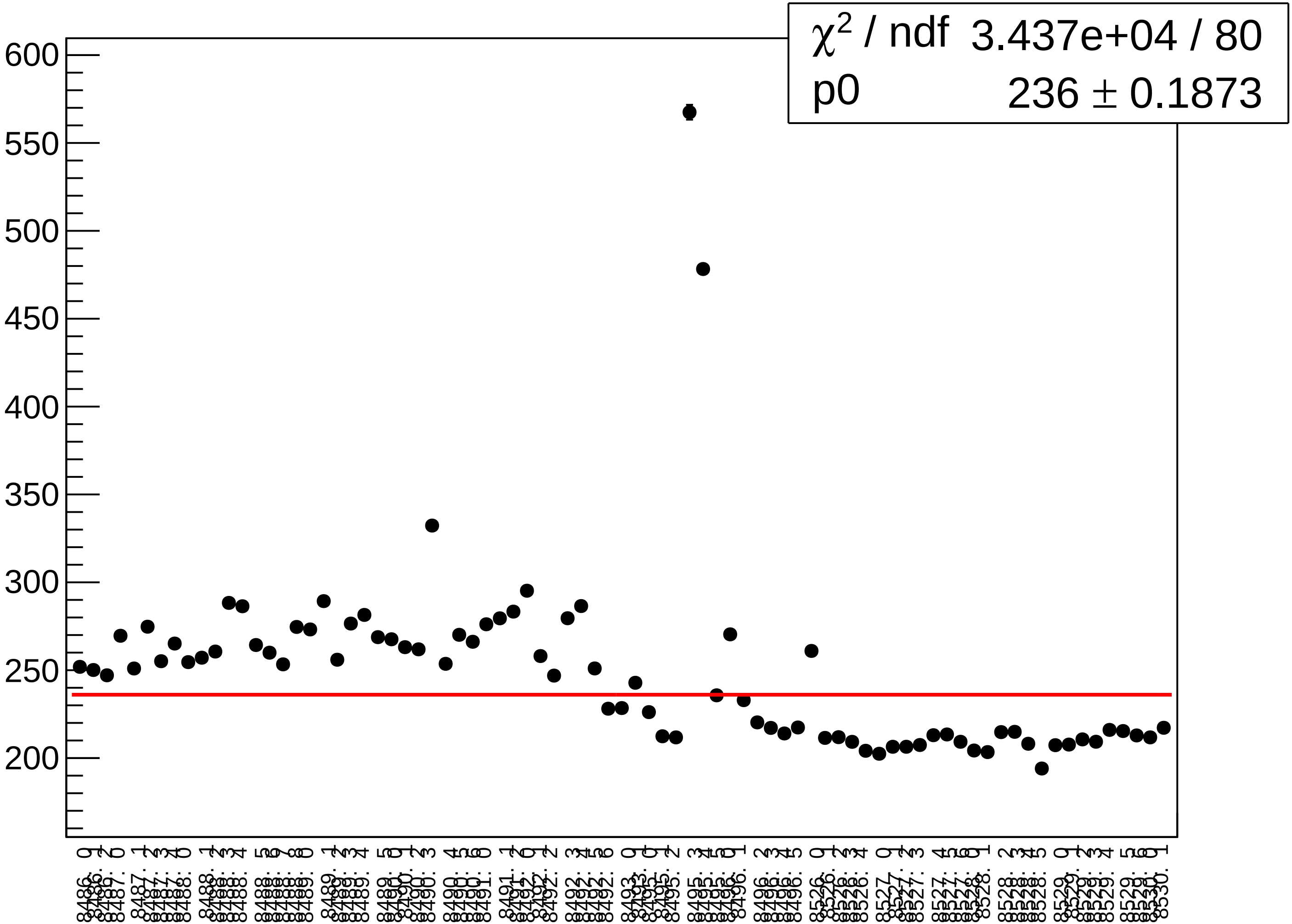
asym_bcm_an_ds3_mean vs run
χ^2 / ndf 29.57 / 80
p0 333.7 ± 265.1
pull
Entries 81
Mean −21.16
Std Dev 75.35
pull1D
Entries 81
Mean 0.01872
Std Dev 0.6039

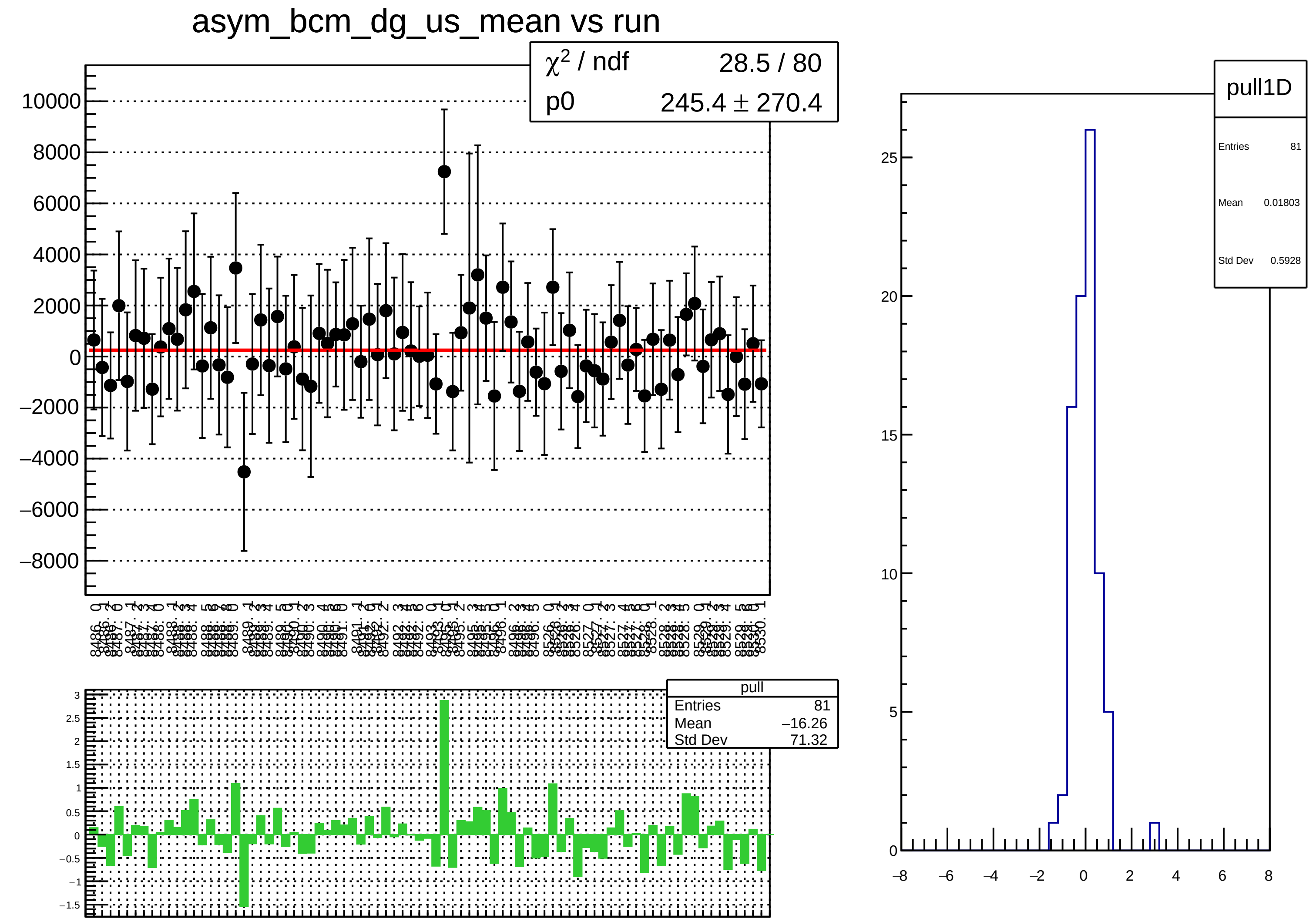

asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.423e+04 / 80
p0 236.2 ± 0.1875
600
550
500
450
400
350
300
250
200



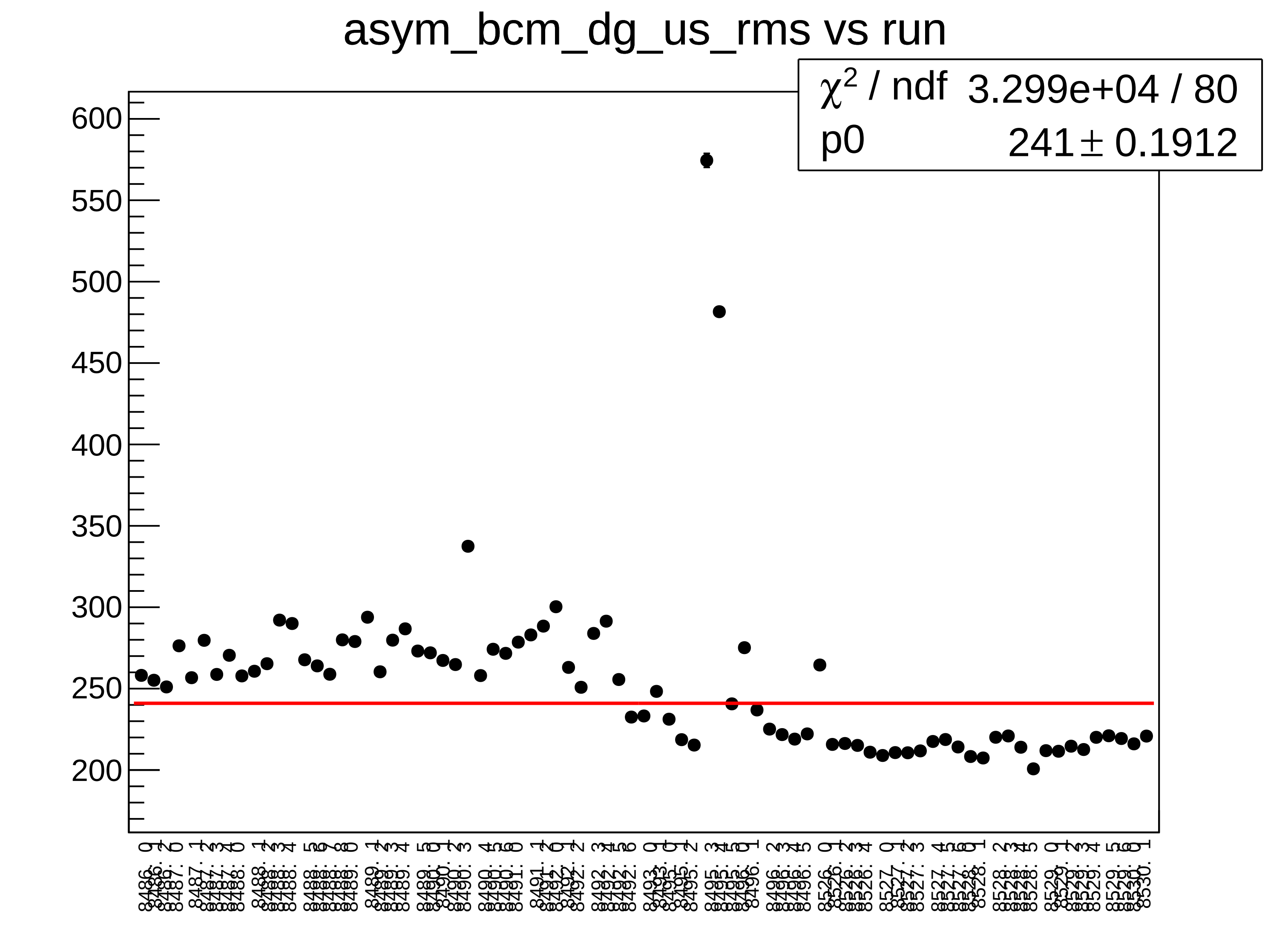
asym_bcm_an_us_mean vs run
χ^2 / ndf 28.07 / 80
p0 286.2 ± 264.9
pull
Entries 81
Mean −16.82
Std Dev 70.05
pull1D
Entries 81
Mean 0.02058
Std Dev 0.5883

asym_bcm_an_us_rms vs run

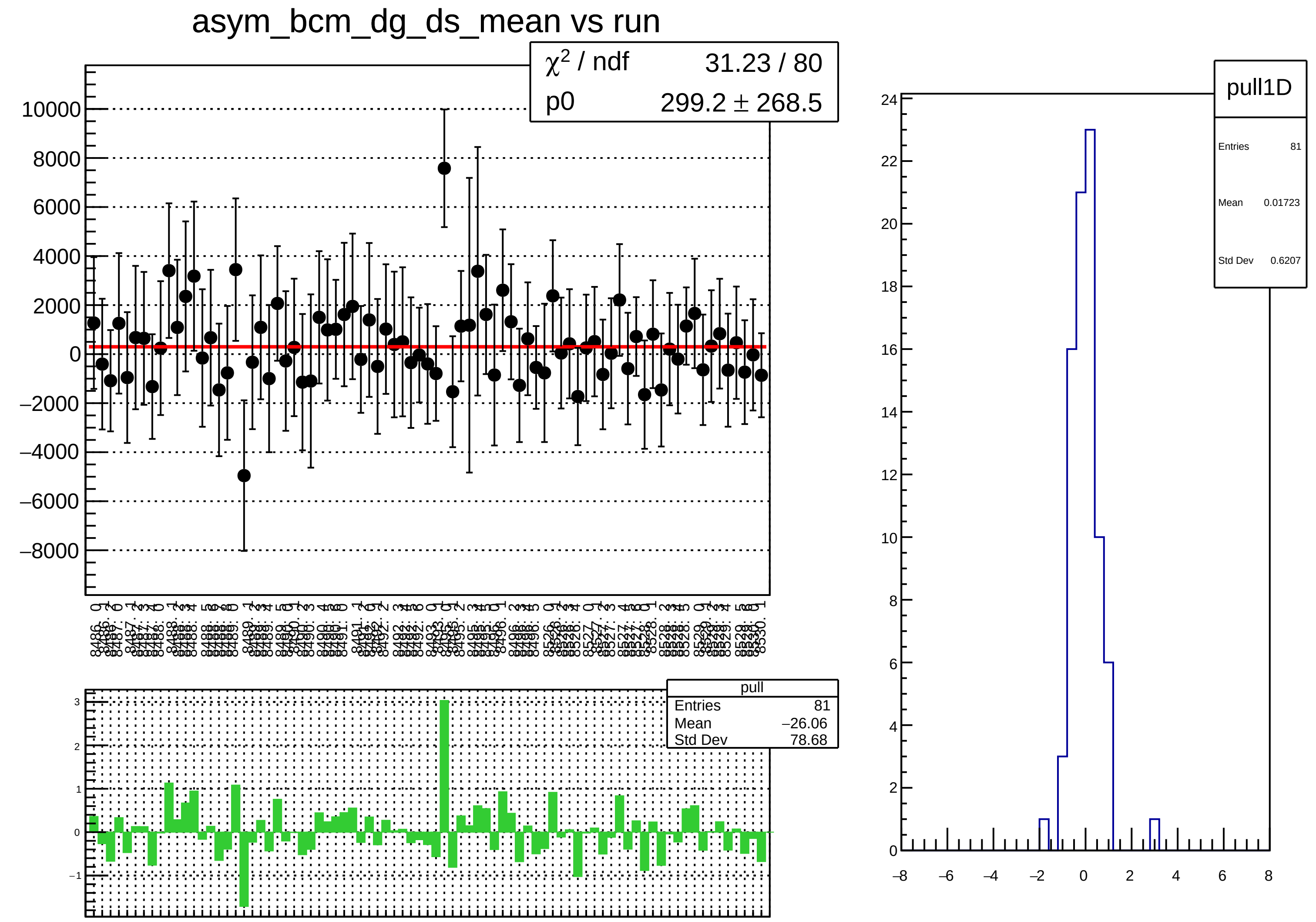




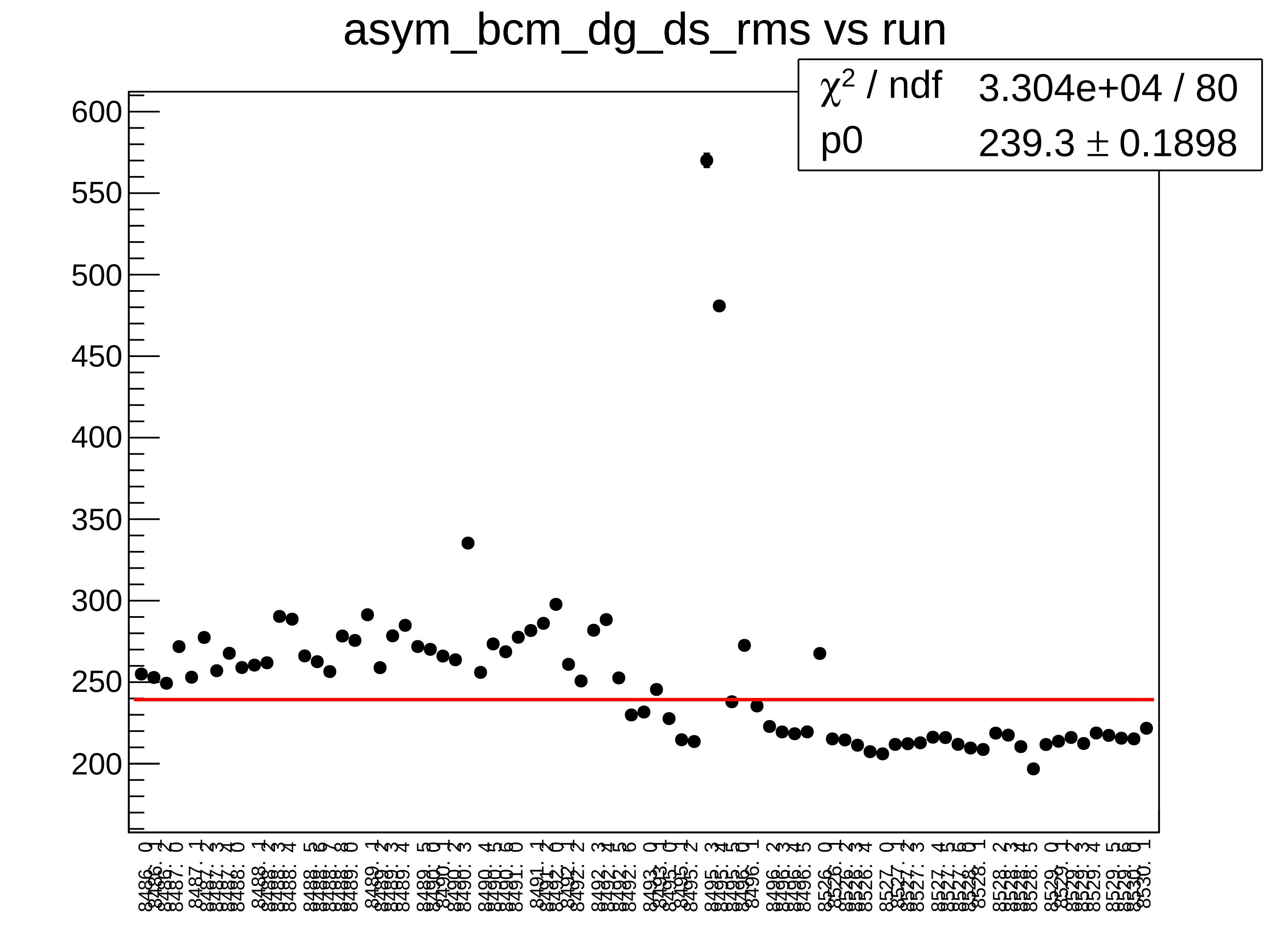
asym_bcm_dg_us_mean vs run
χ^2 / ndf 28.5 / 80
p0 245.4 ± 270.4
pull
Entries 81
Mean −16.26
Std Dev 71.32
pull1D
Entries 81
Mean 0.01803
Std Dev 0.5928



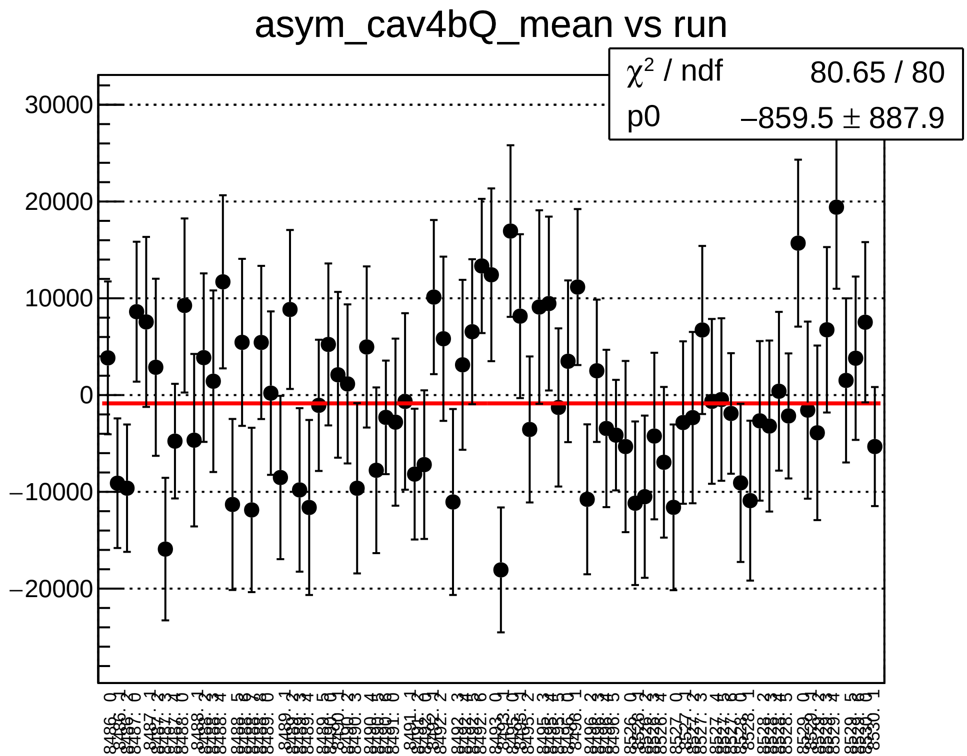
asym_bcm_dg_us_rms vs run
χ^2 / ndf 3.299e+04 / 80
p0 241 ± 0.1912
600
550
500
450
400
350
300
250
200



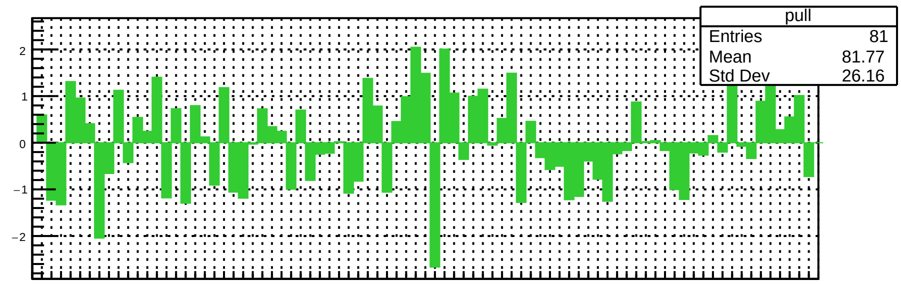
asym_bcm_dg_ds_mean vs run
χ2 / ndf 31.23 / 80
p0 299.2 ± 268.5
pull
Entries 81
Mean −26.06
Std Dev 78.68
pull1D
Entries 81
Mean 0.01723
Std Dev 0.6207



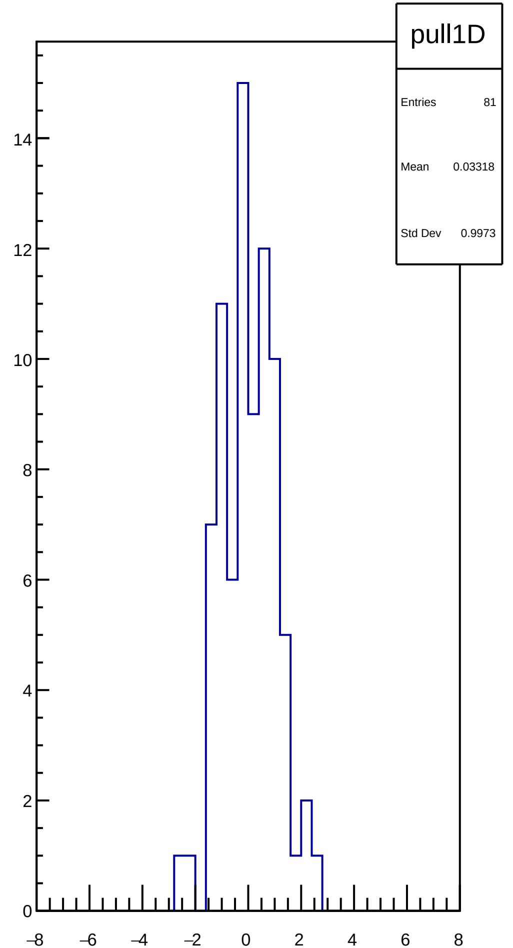
asym_bcm_dg_ds_rms vs run
χ^2 / ndf 3.304e+04 / 80
p0 239.3 ± 0.1898
600
550
500
450
400
350
300
250
200



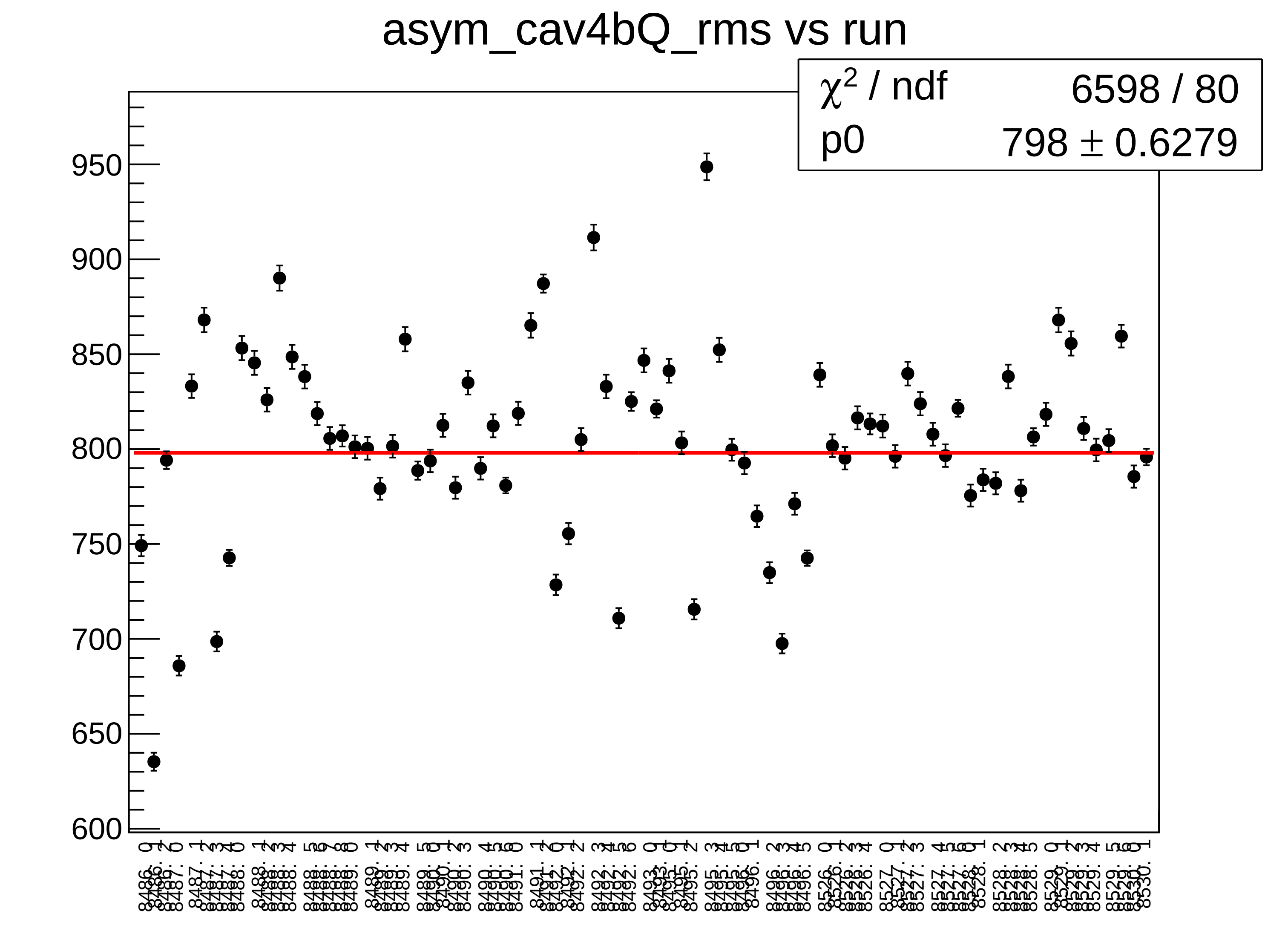
asym_cav4bQ_mean vs run
χ^2 / ndf 80.65 / 80
p0 −859.5 ± 887.9
30000
20000
10000
0
−10000
−20000



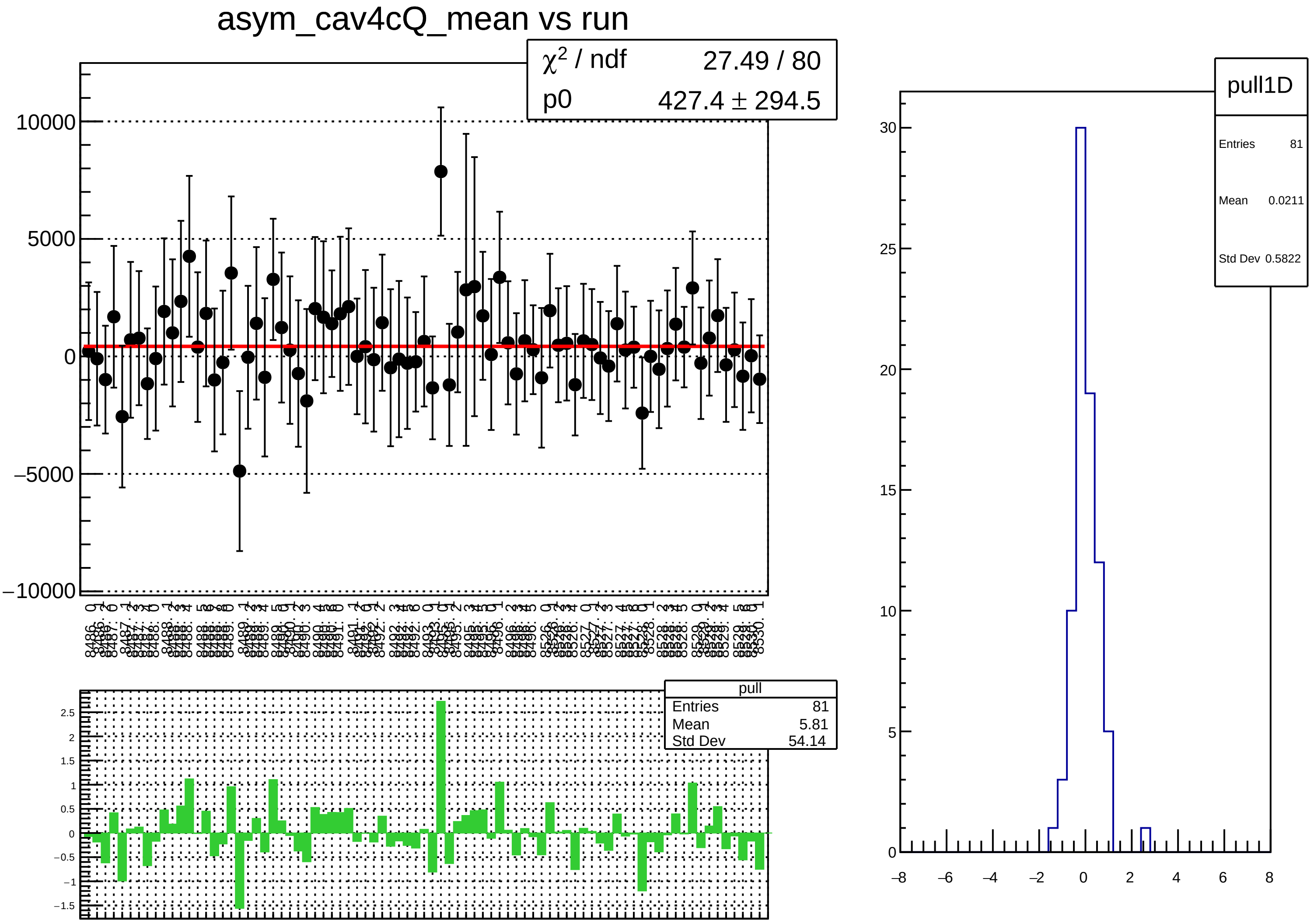
pull
Entries 81
Mean 81.77
Std Dev 26.16



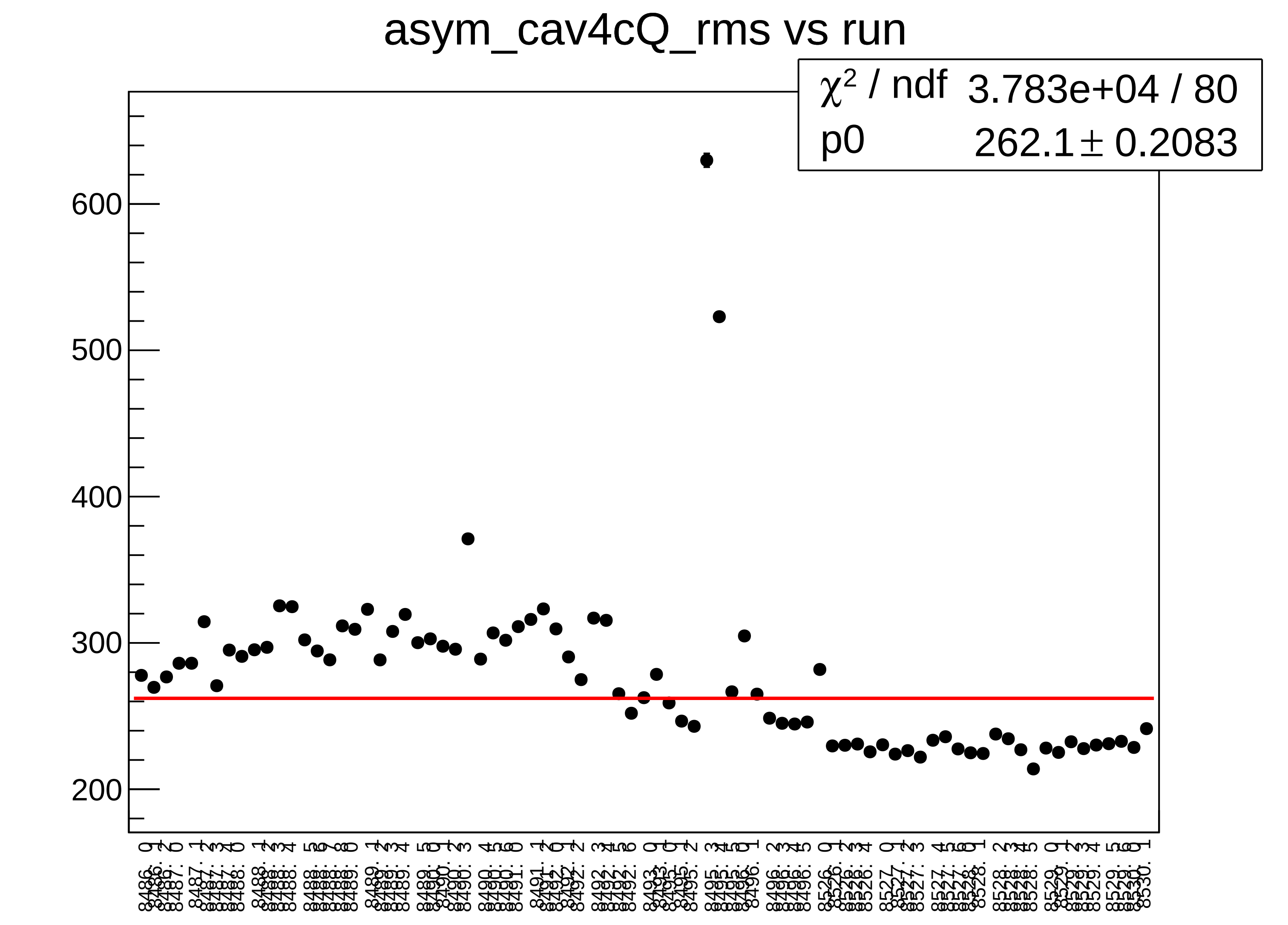
pull1D
Entries 81
Mean 0.03318
Std Dev 0.9973



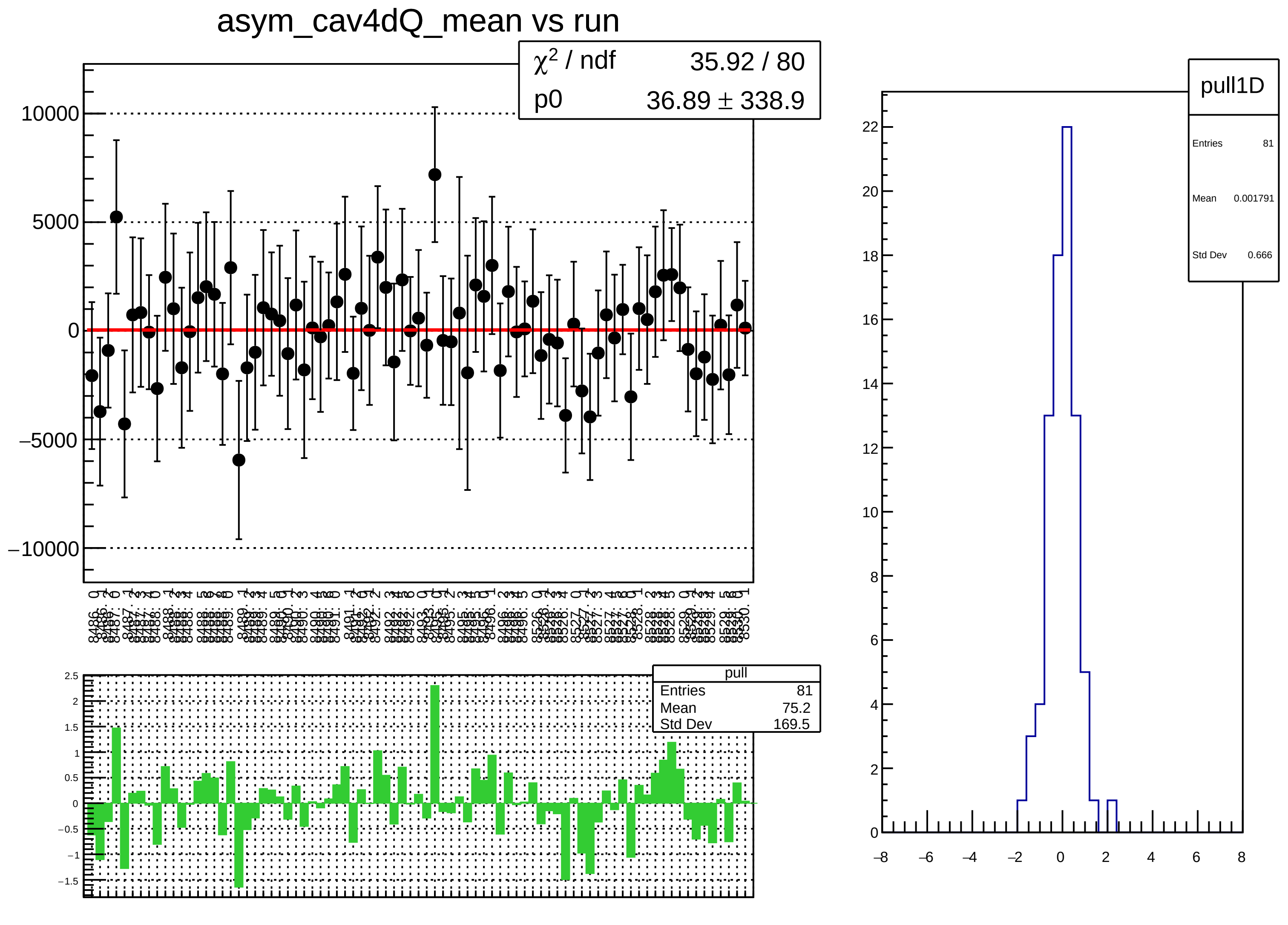
asym_cav4bQ_rms vs run
χ2 / ndf 6598 / 80
p0 798 ± 0.6279
950
900
850
800
750
700
650
600



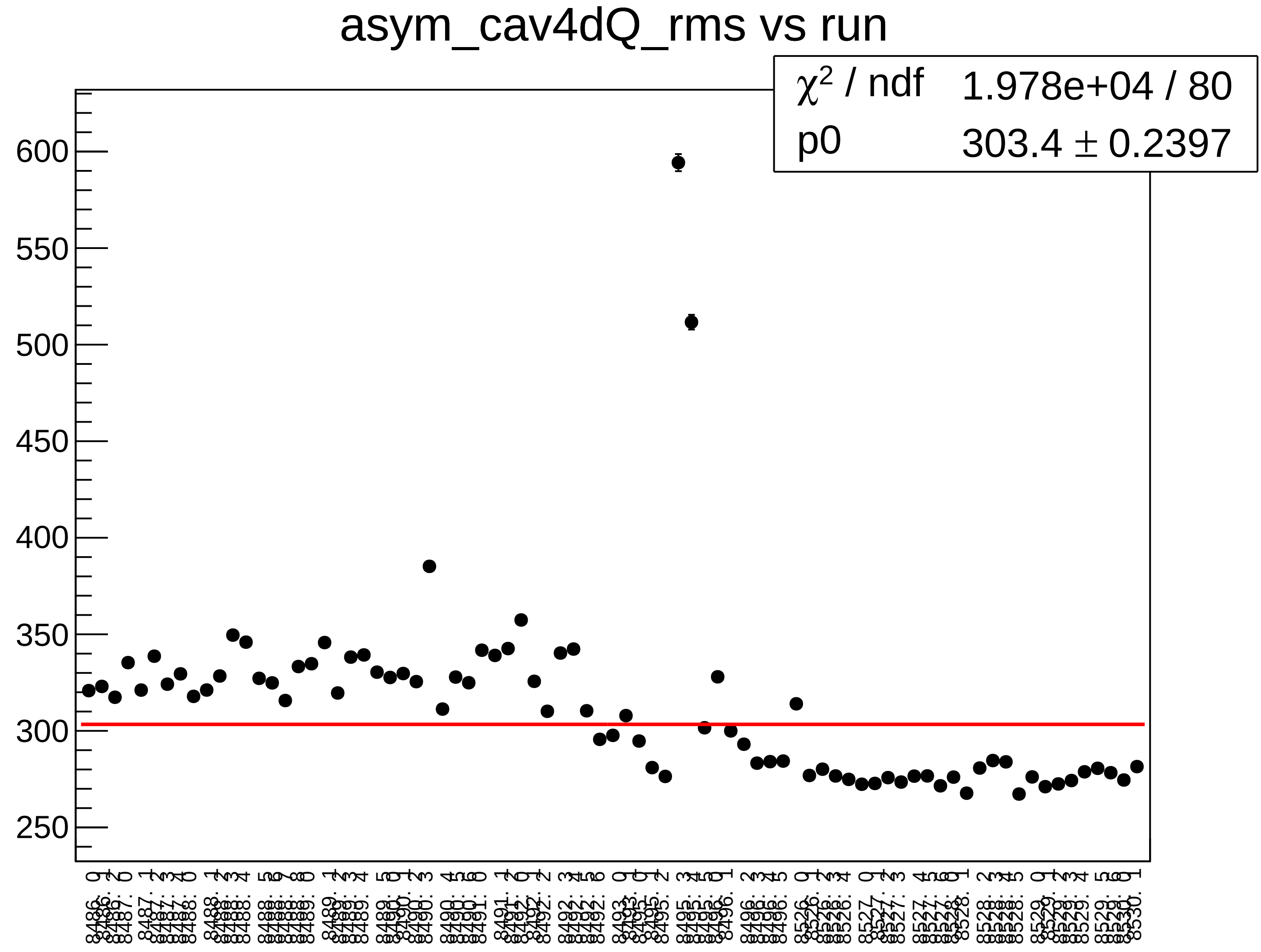
asym_cav4cQ_mean vs run
χ^2 / ndf 27.49 / 80
p0 427.4 ± 294.5
pull
Entries 81
Mean 5.81
Std Dev 54.14
pull1D
Entries 81
Mean 0.0211
Std Dev 0.5822



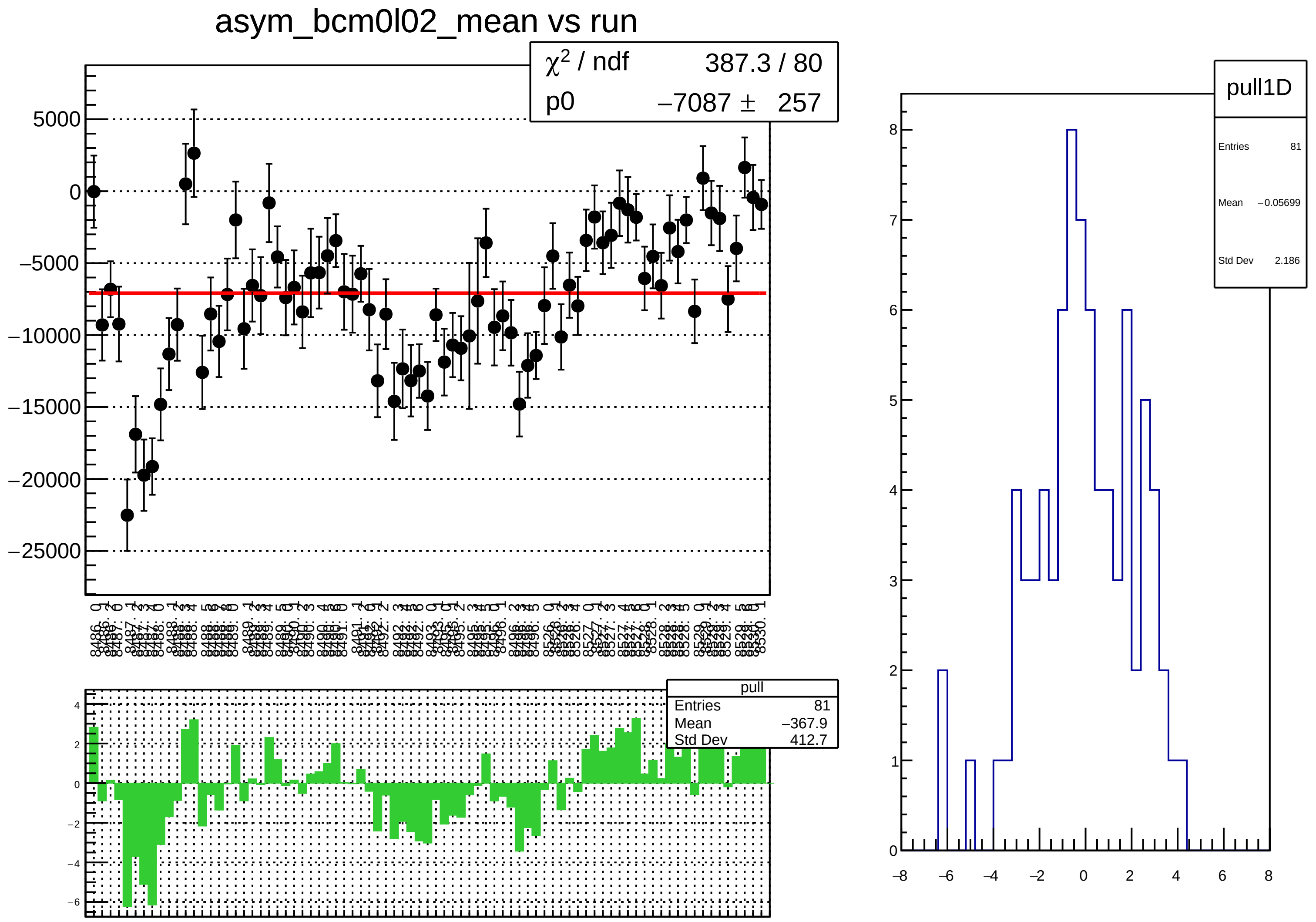
asym_cav4cQ_rms vs run
χ2 / ndf 3.783e+04 / 80
p0 262.1 ± 0.2083
600
500
400
300
200



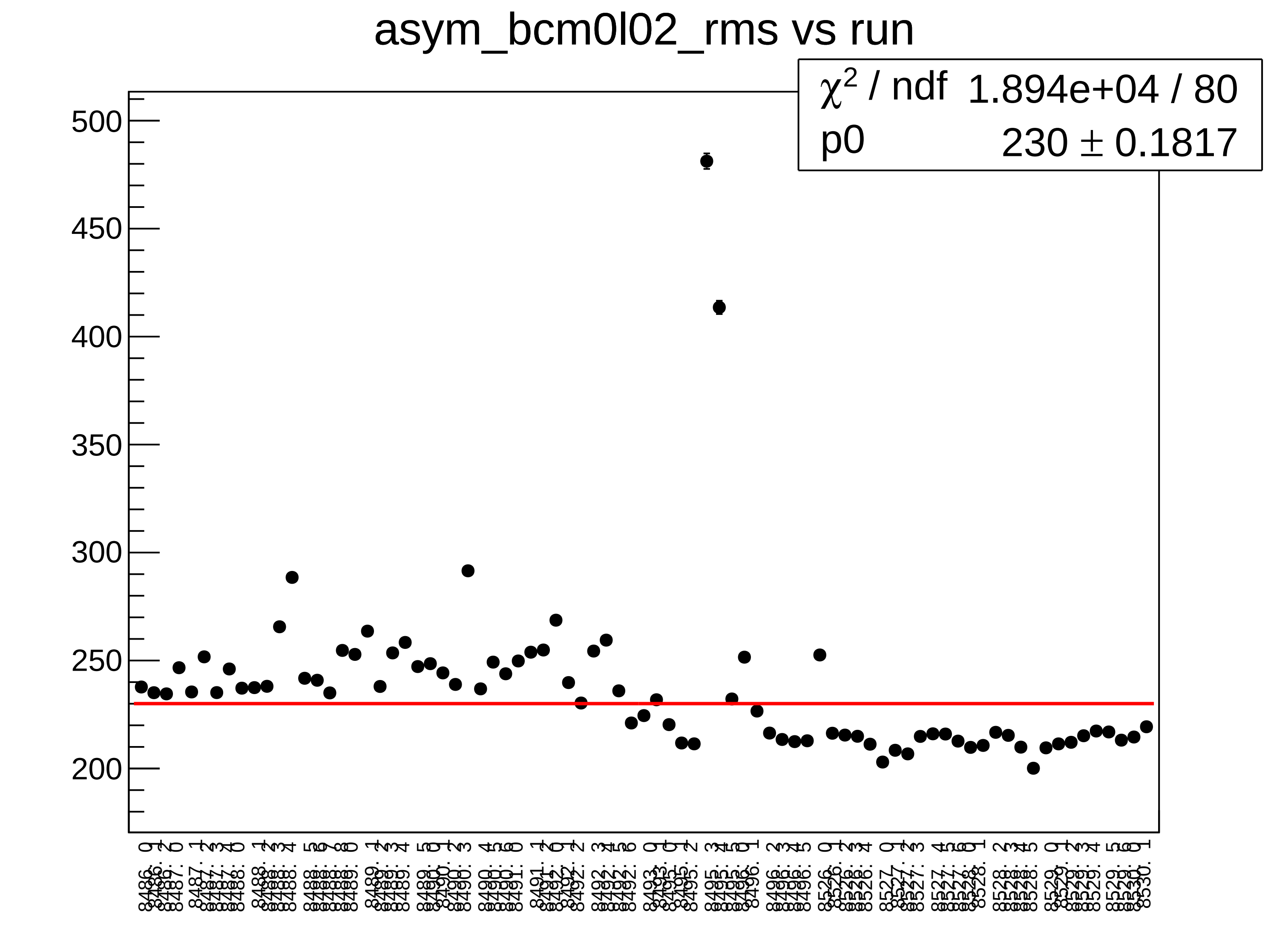
asym_cav4dQ_mean vs run
χ^2 / ndf 35.92 / 80
p0 36.89 ± 338.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 75.2
Std Dev 169.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean 0.001791
Std Dev 0.666
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



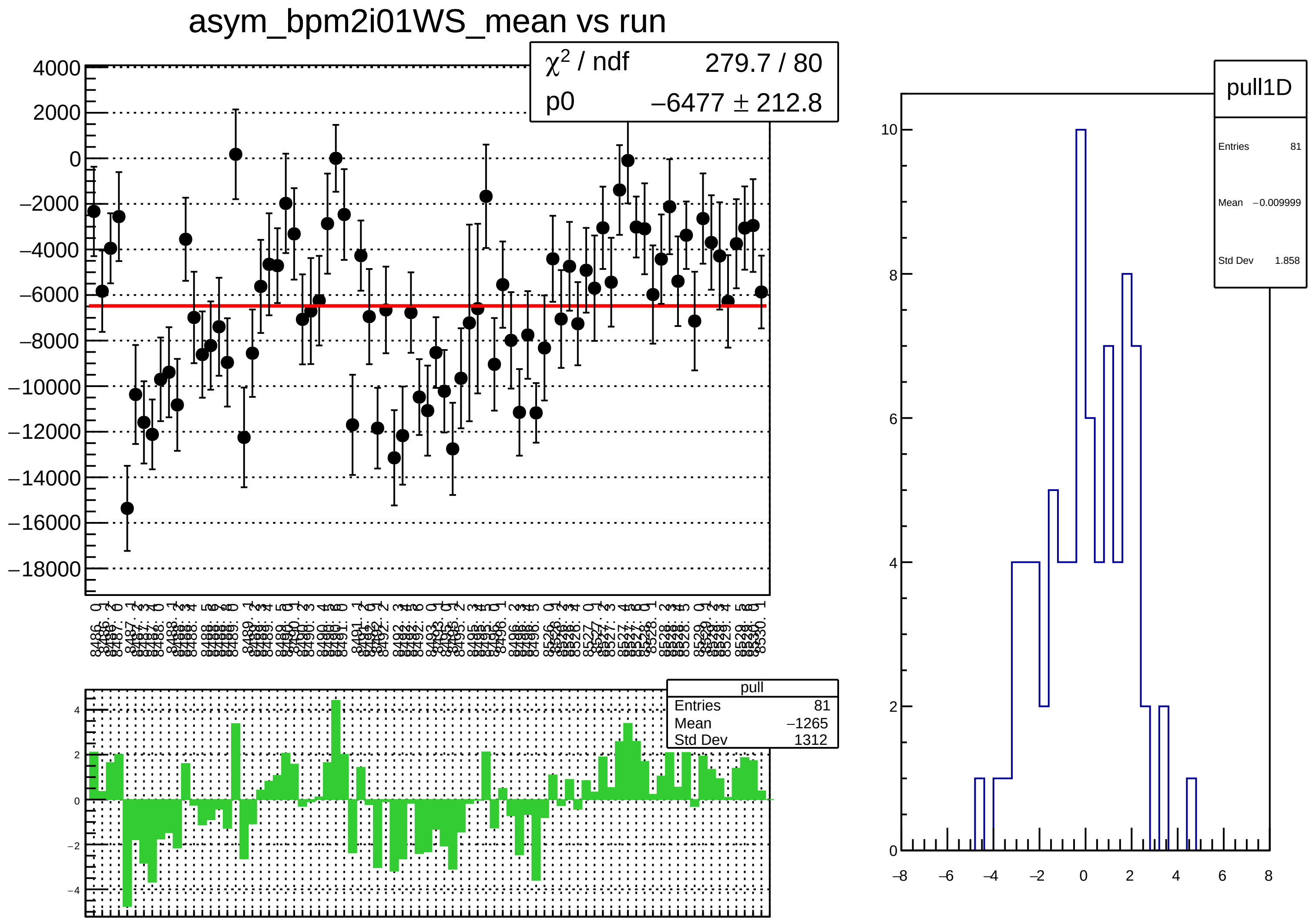
asym_cav4dQ_rms vs run
χ2 / ndf 1.978e+04 / 80
p0 303.4 ± 0.2397
600
550
500
450
400
350
300
250



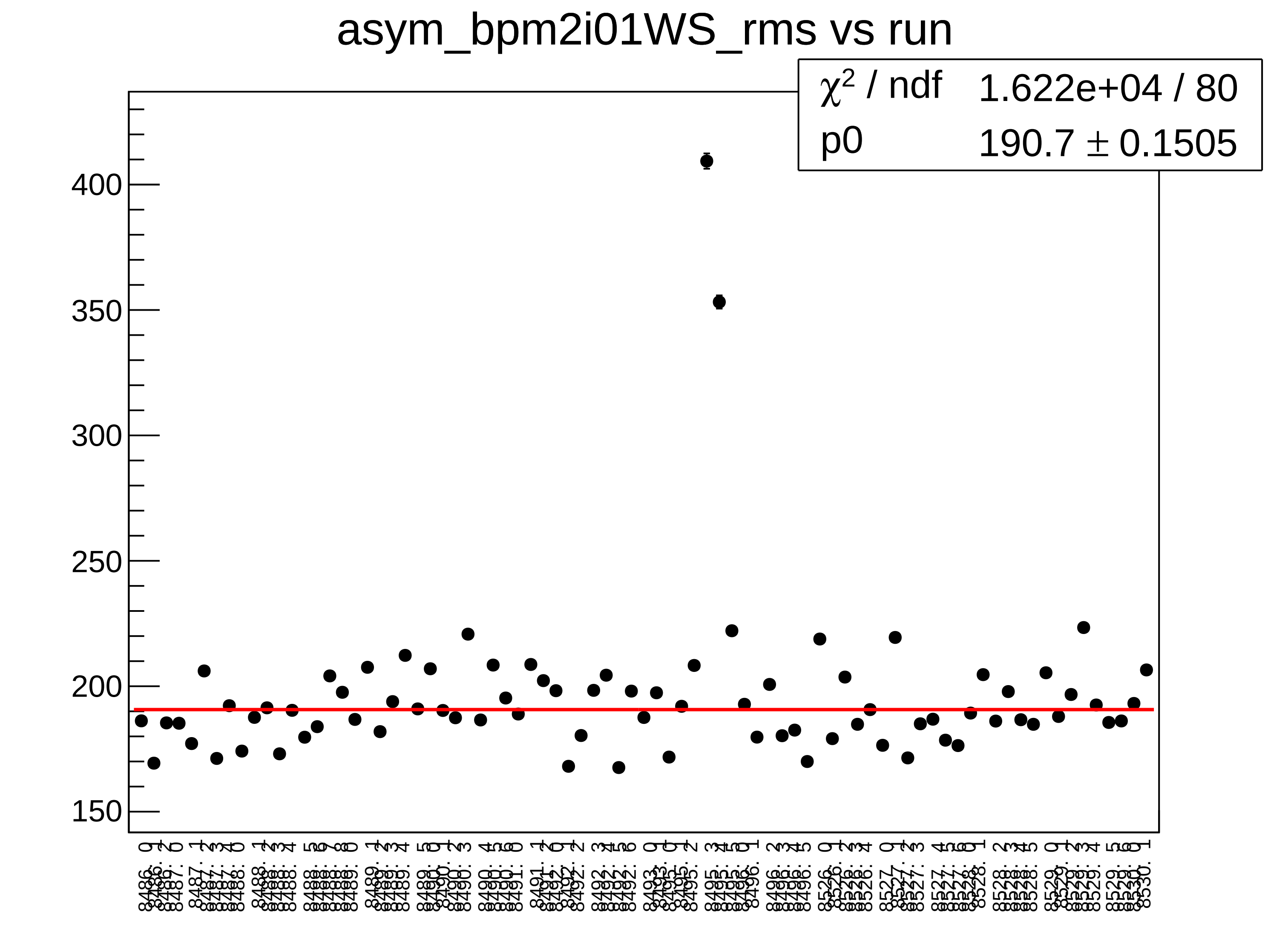
asym_bcm0l02_mean vs run
χ^2 / ndf 387.3 / 80
p0 −7087 ± 257
pull
Entries 81
Mean −367.9
Std Dev 412.7
pull1D
Entries 81
Mean −0.05699
Std Dev 2.186



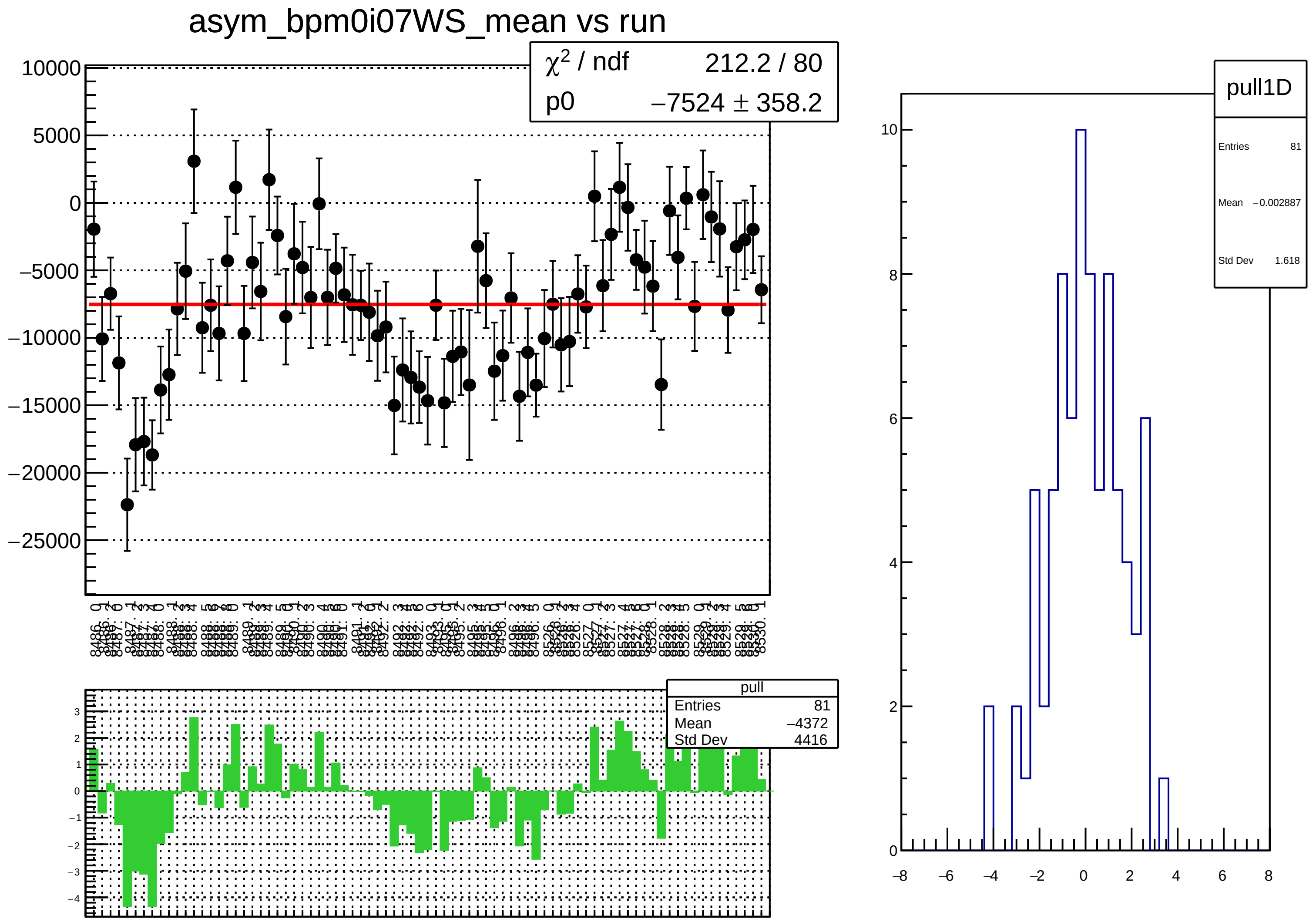
asym_bcm0l02_rms vs run
χ^2 / ndf 1.894e+04 / 80
p0 230 ± 0.1817
500
450
400
350
300
250
200



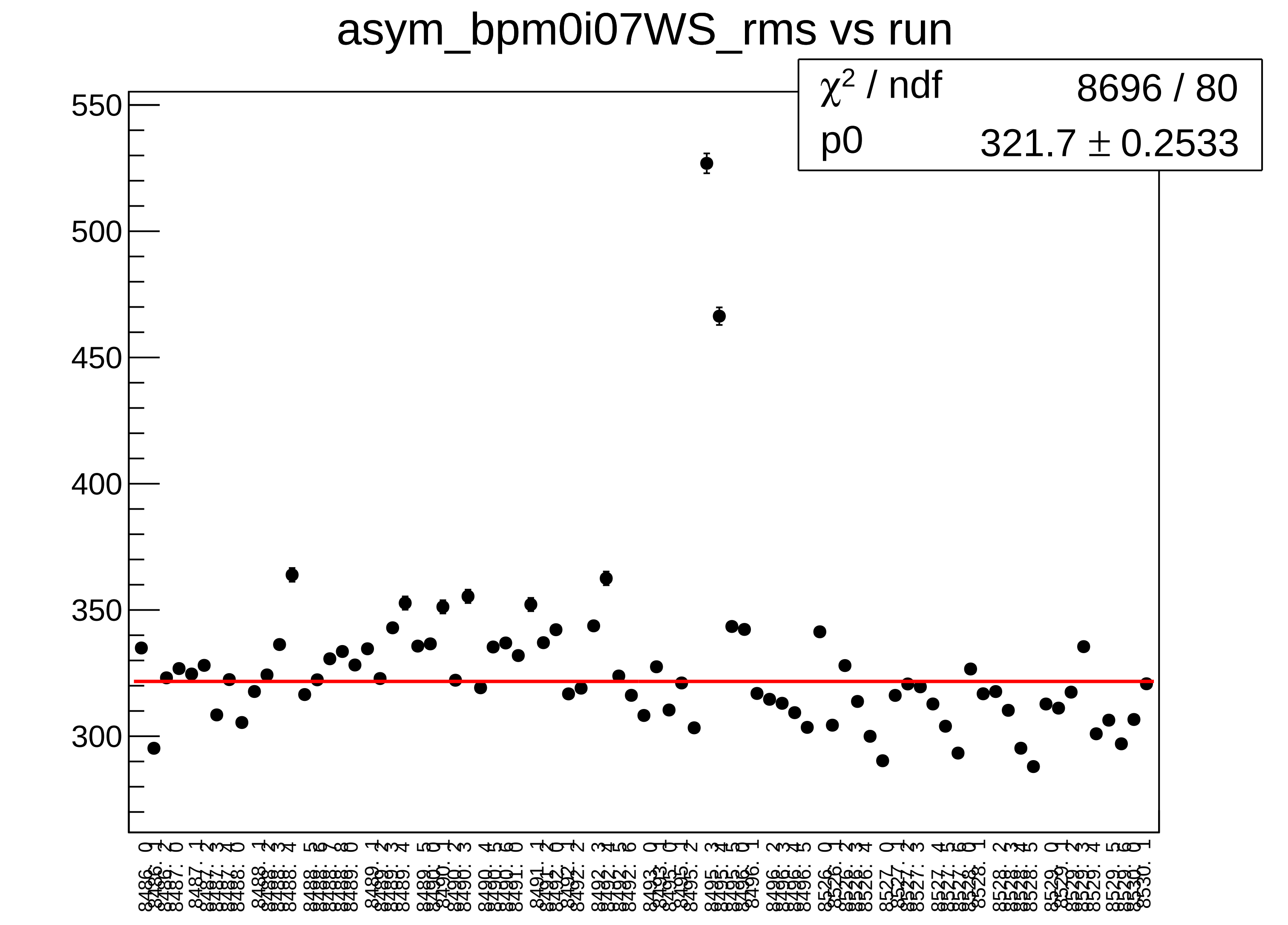
asym_bpm2i01WS_mean vs run
χ2 / ndf 279.7 / 80
p0 −6477 ± 212.8
pull
Entries 81
Mean −1265
Std Dev 1312
pull1D
Entries 81
Mean −0.009999
Std Dev 1.858

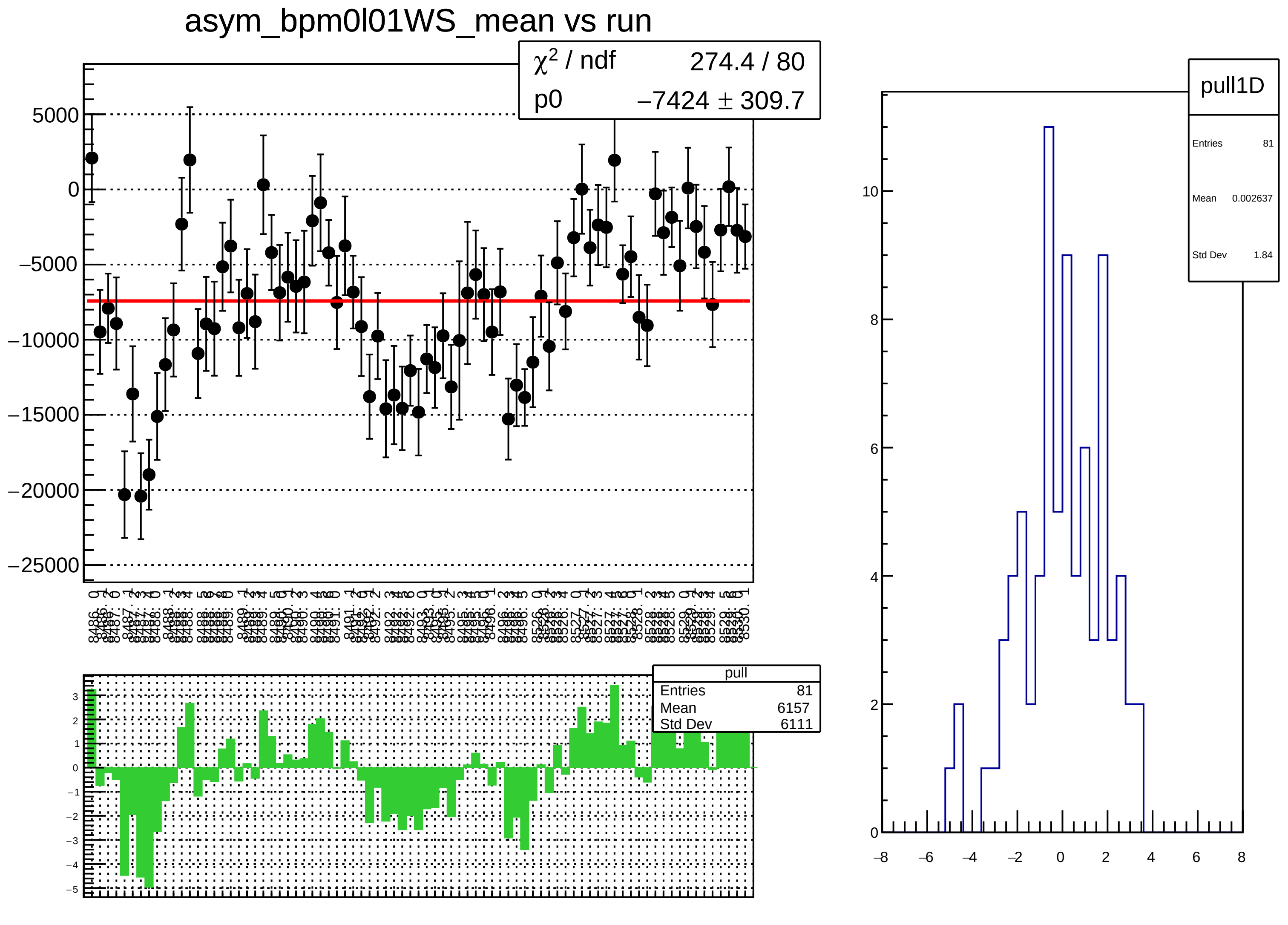


asym_bpm2i01WS_rms vs run
χ^2 / ndf 1.622e+04 / 80
p0 190.7 ± 0.1505

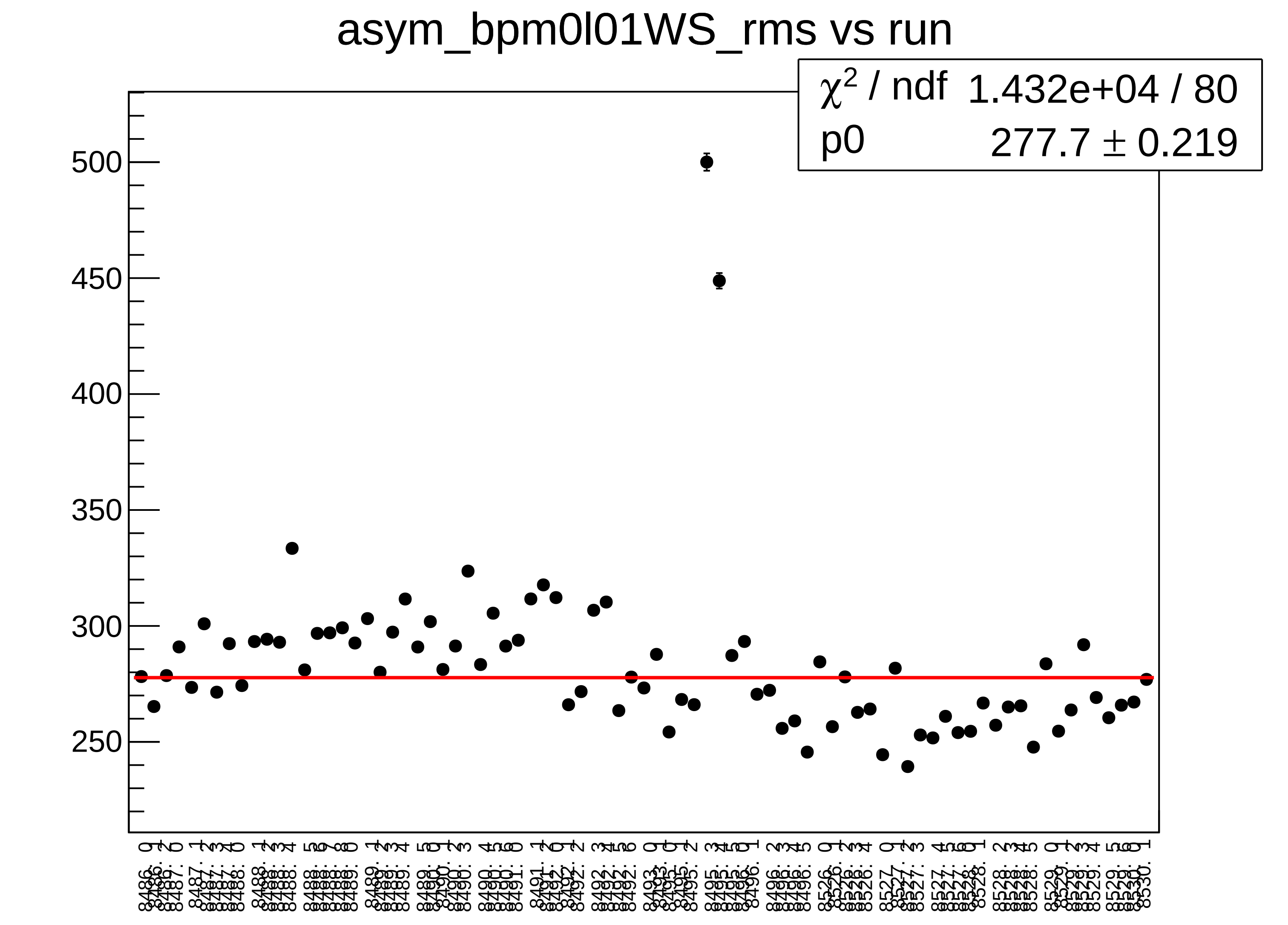


asym_bpm0i07WS_mean vs run
χ^2 / ndf 212.2 / 80
p0 −7524 ± 358.2
pull
Entries 81
Mean −4372
Std Dev 4416
pull1D
Entries 81
Mean −0.002887
Std Dev 1.618

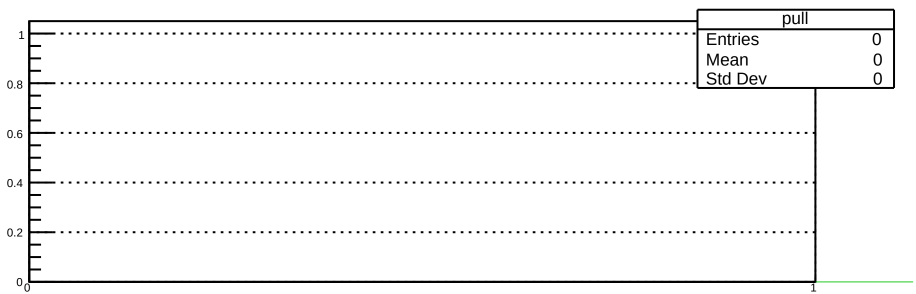

asym_bpm0i07WS_rms vs run
χ^2 / ndf 8696 / 80
p0 321.7 ± 0.2533
550
500
450
400
350
300

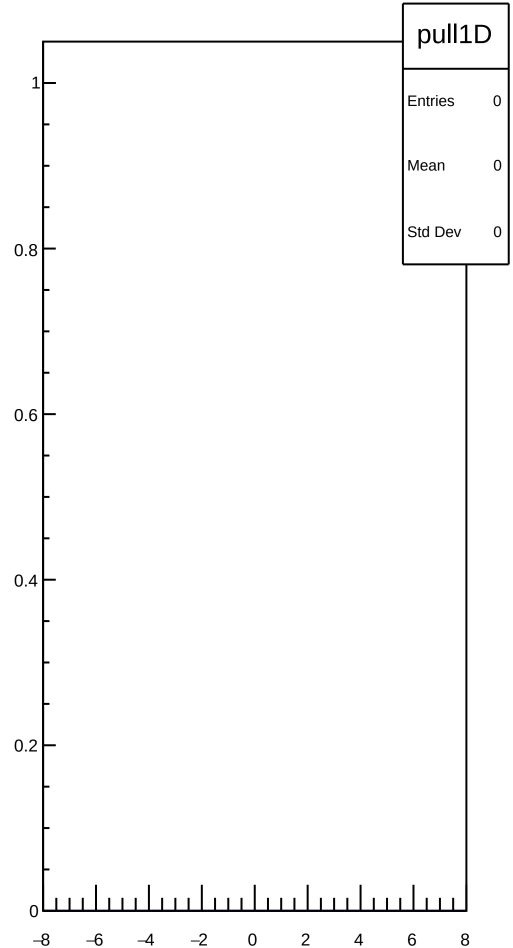


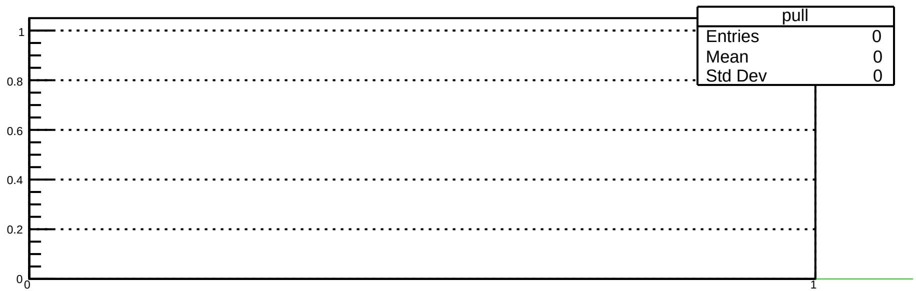
asym_bpm0l01WS_mean vs run
χ2 / ndf 274.4 / 80
p0 −7424 ± 309.7
pull
Entries 81
Mean 6157
Std Dev 6111
pull1D
Entries 81
Mean 0.002637
Std Dev 1.84

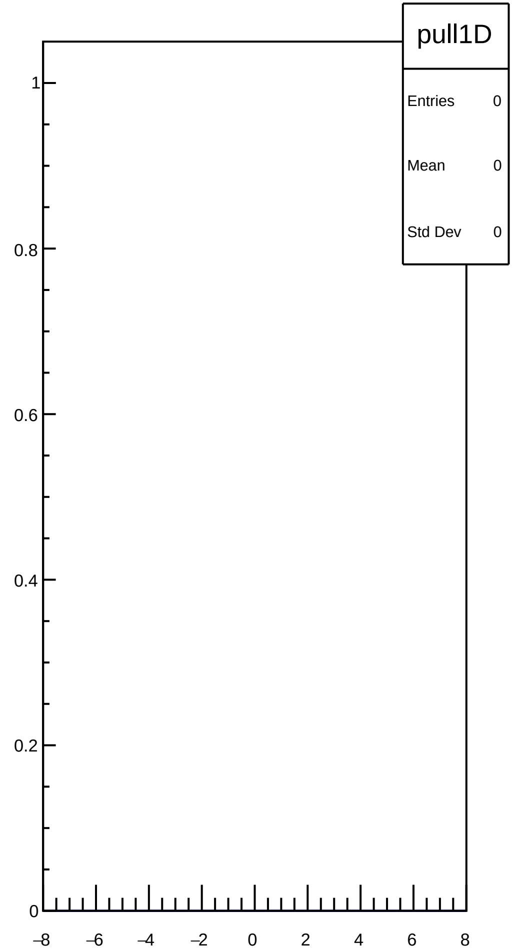


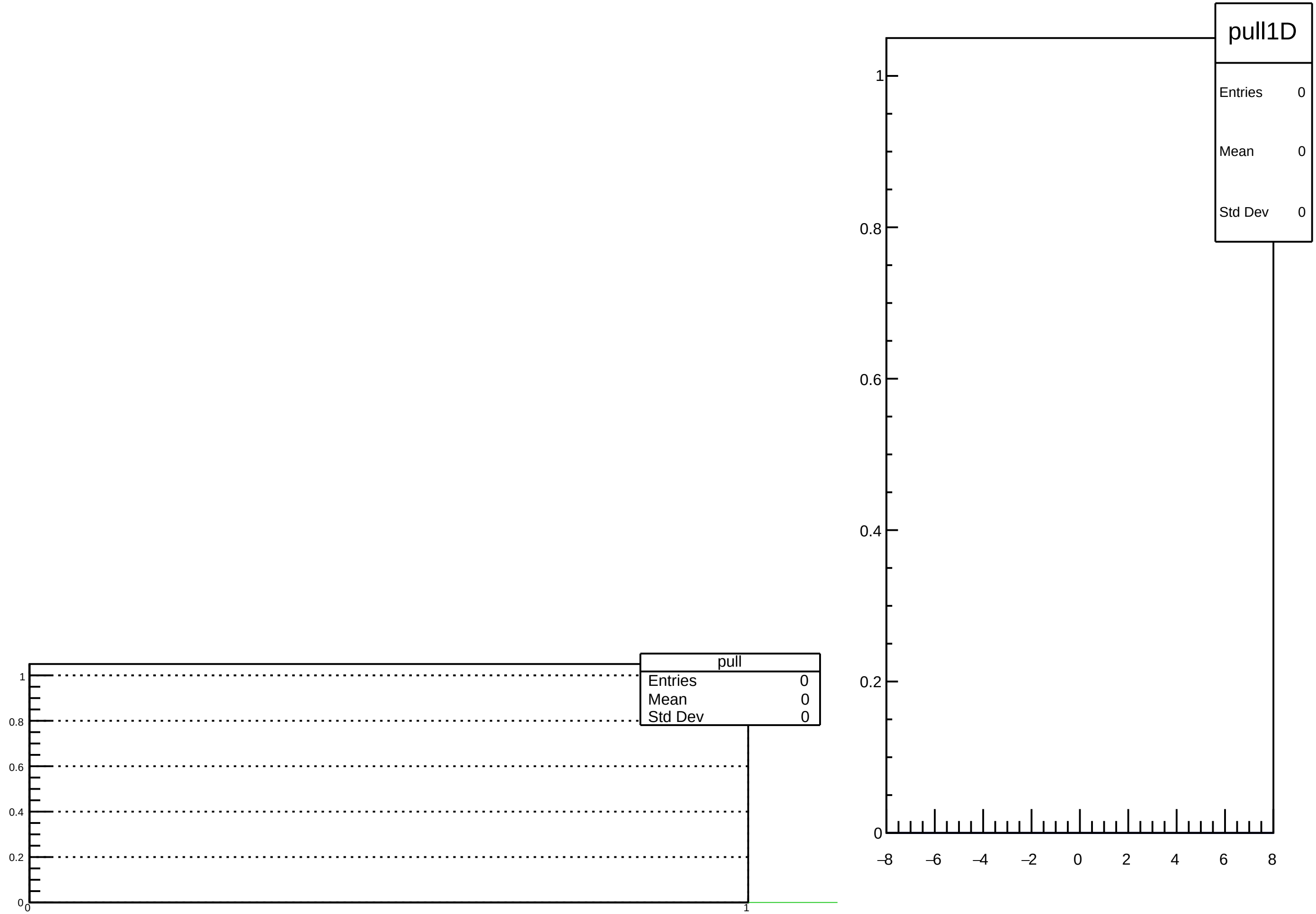
asym_bpm0l01WS_rms vs run
χ2 / ndf 1.432e+04 / 80
p0 277.7 ± 0.219
500
450
400
350
300
250

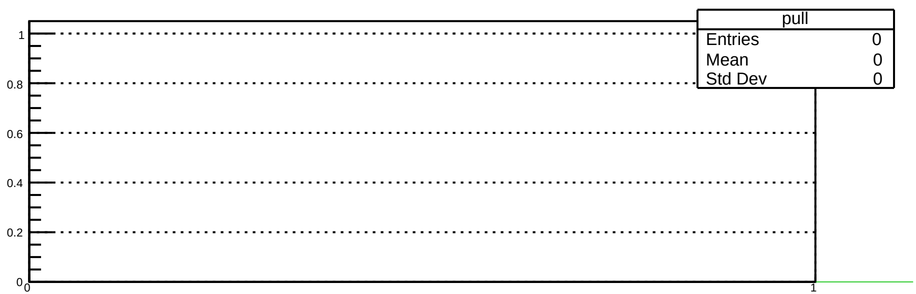

pull
Entries 0
Mean 0
Std Dev 0

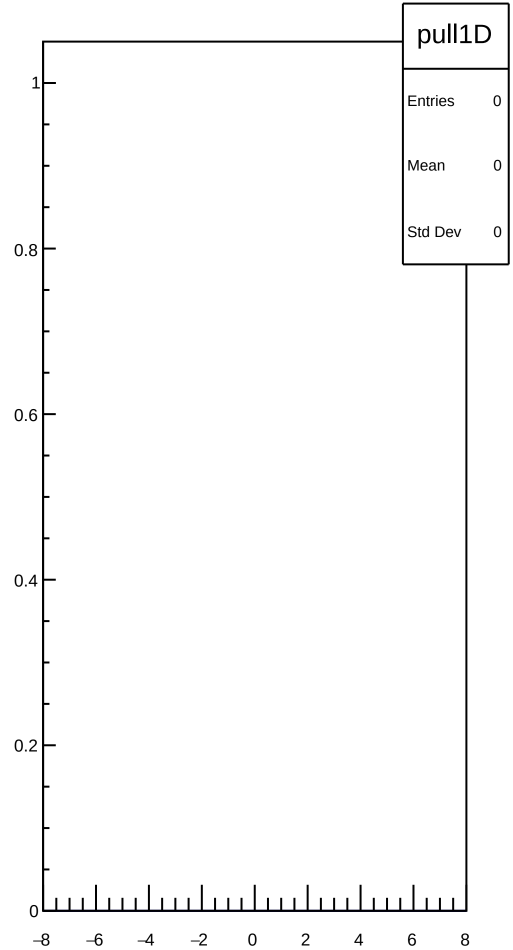

pull1D
Entries 0
Mean 0
Std Dev 0

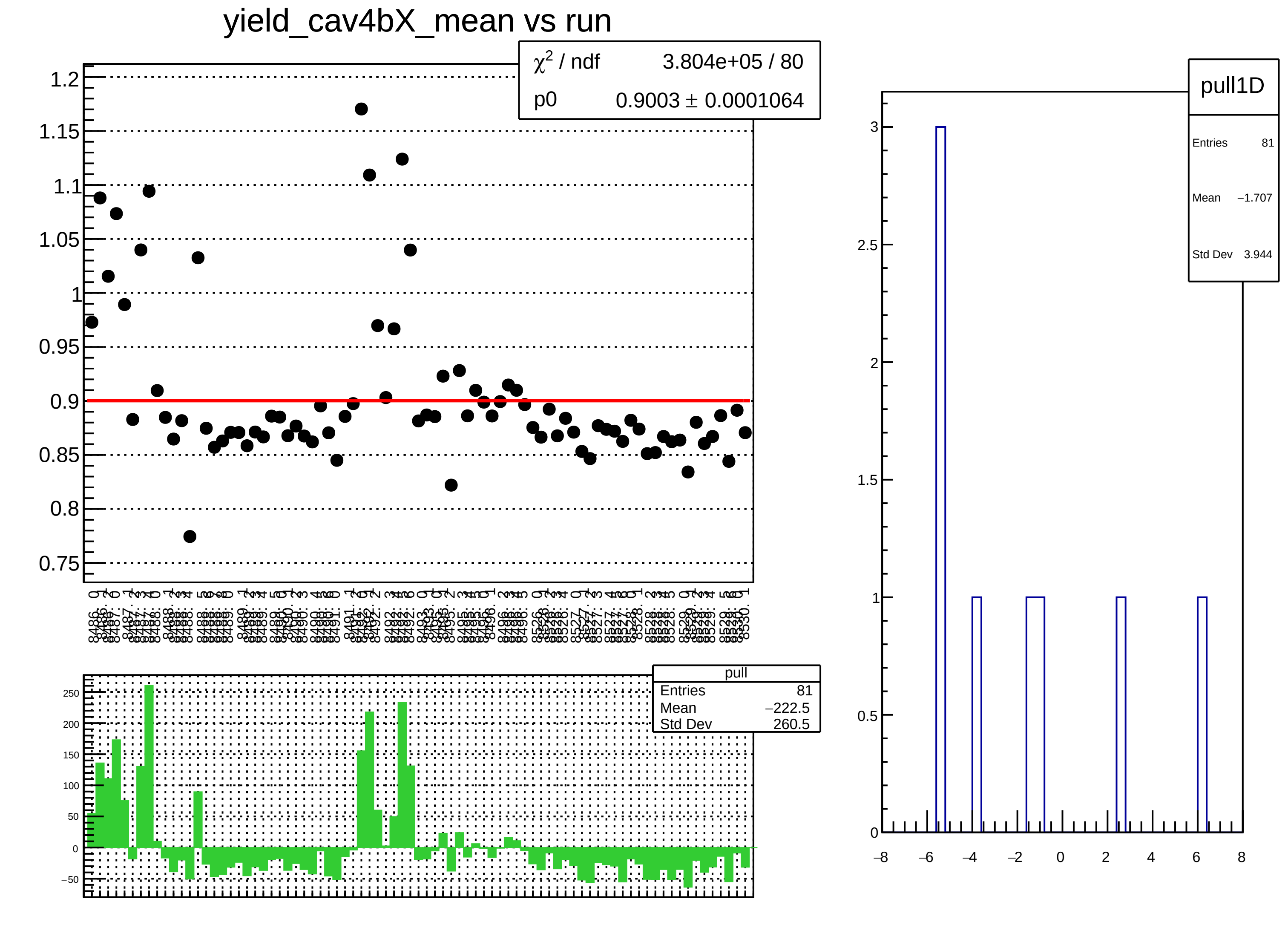

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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

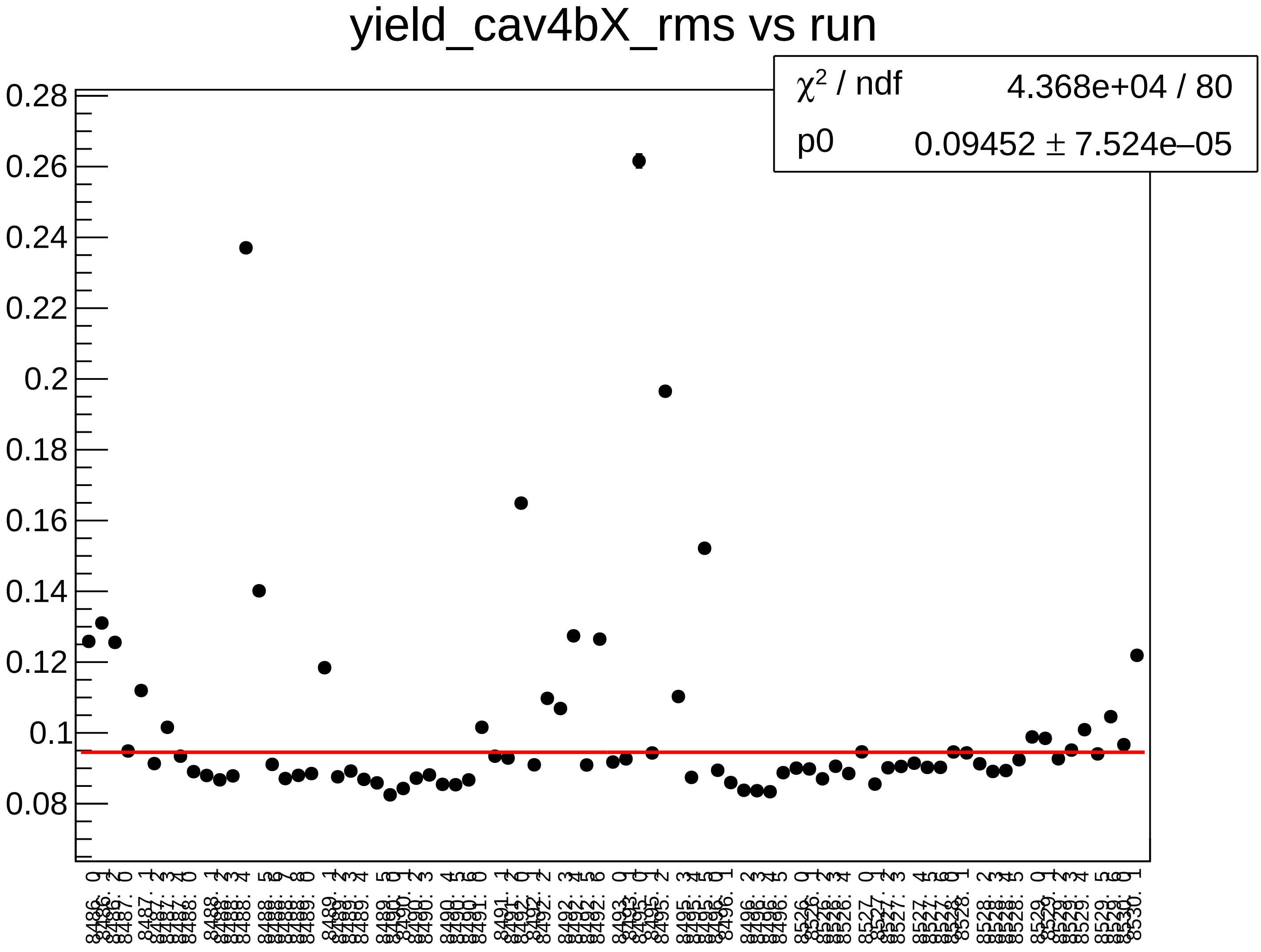

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


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

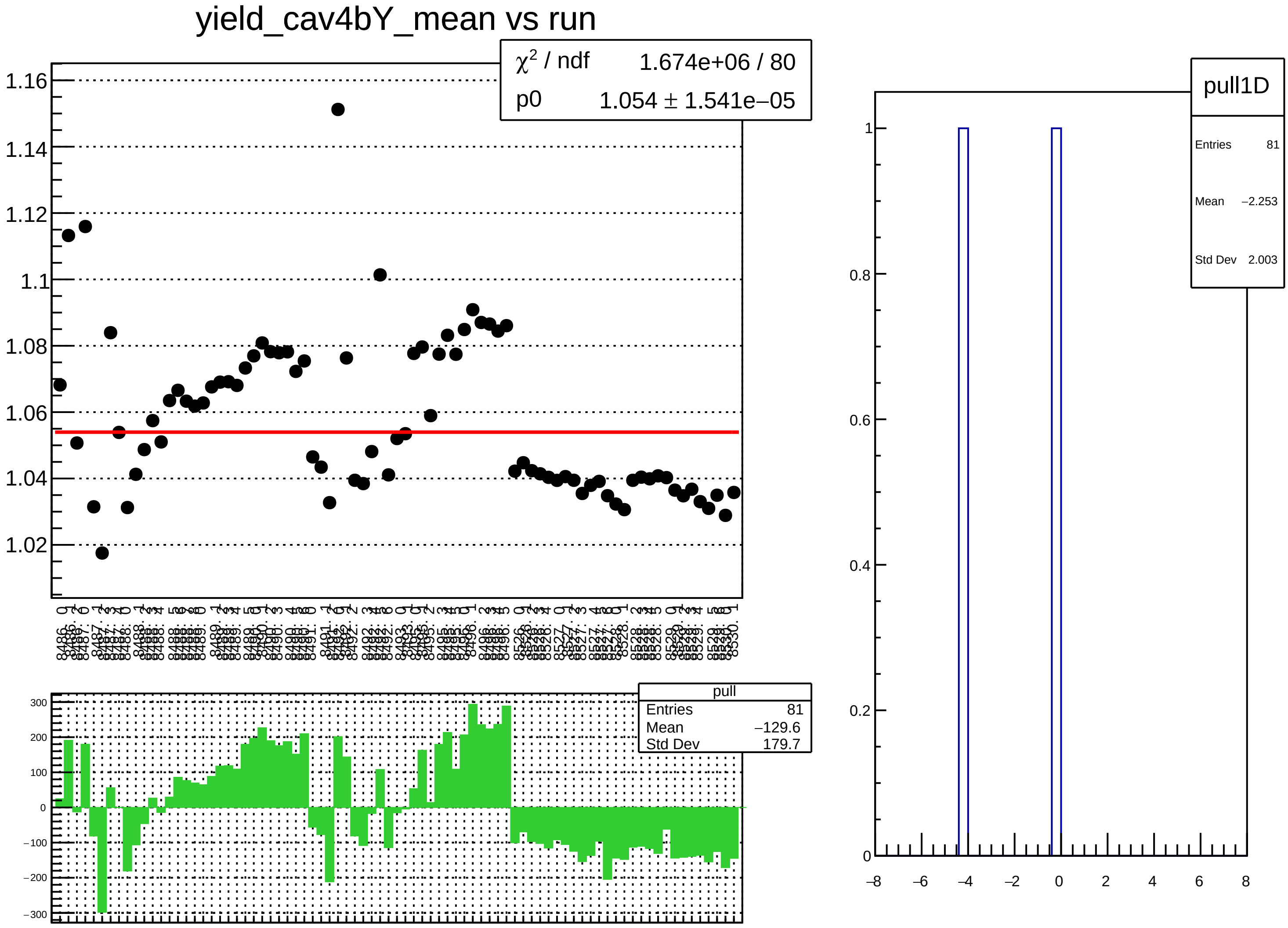

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8



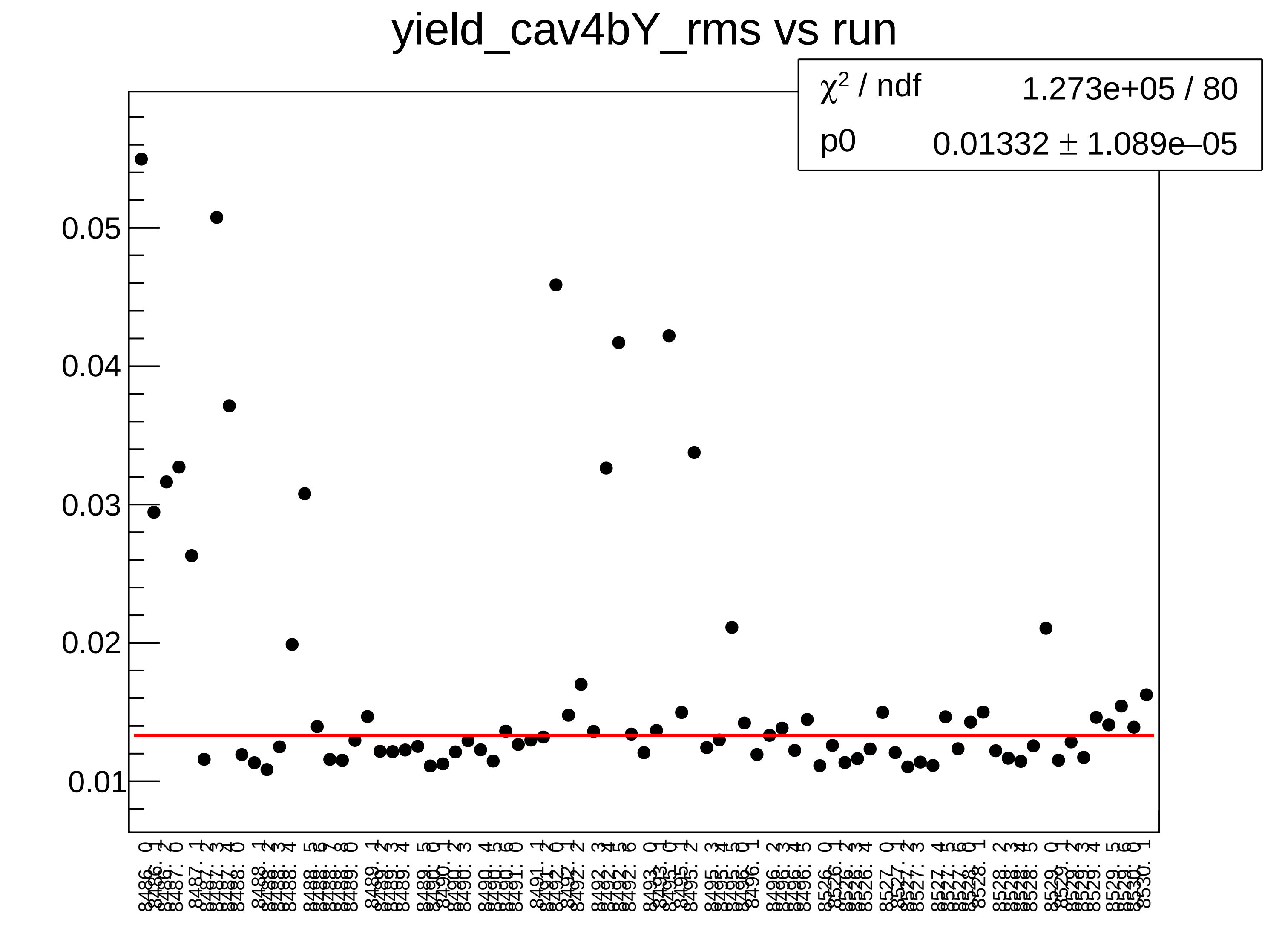
yield_cav4bX_mean vs run
χ^2 / ndf 3.804e+05 / 80
p0 0.9003 ± 0.0001064
pull
Entries 81
Mean −222.5
Std Dev 260.5
pull1D
Entries 81
Mean −1.707
Std Dev 3.944



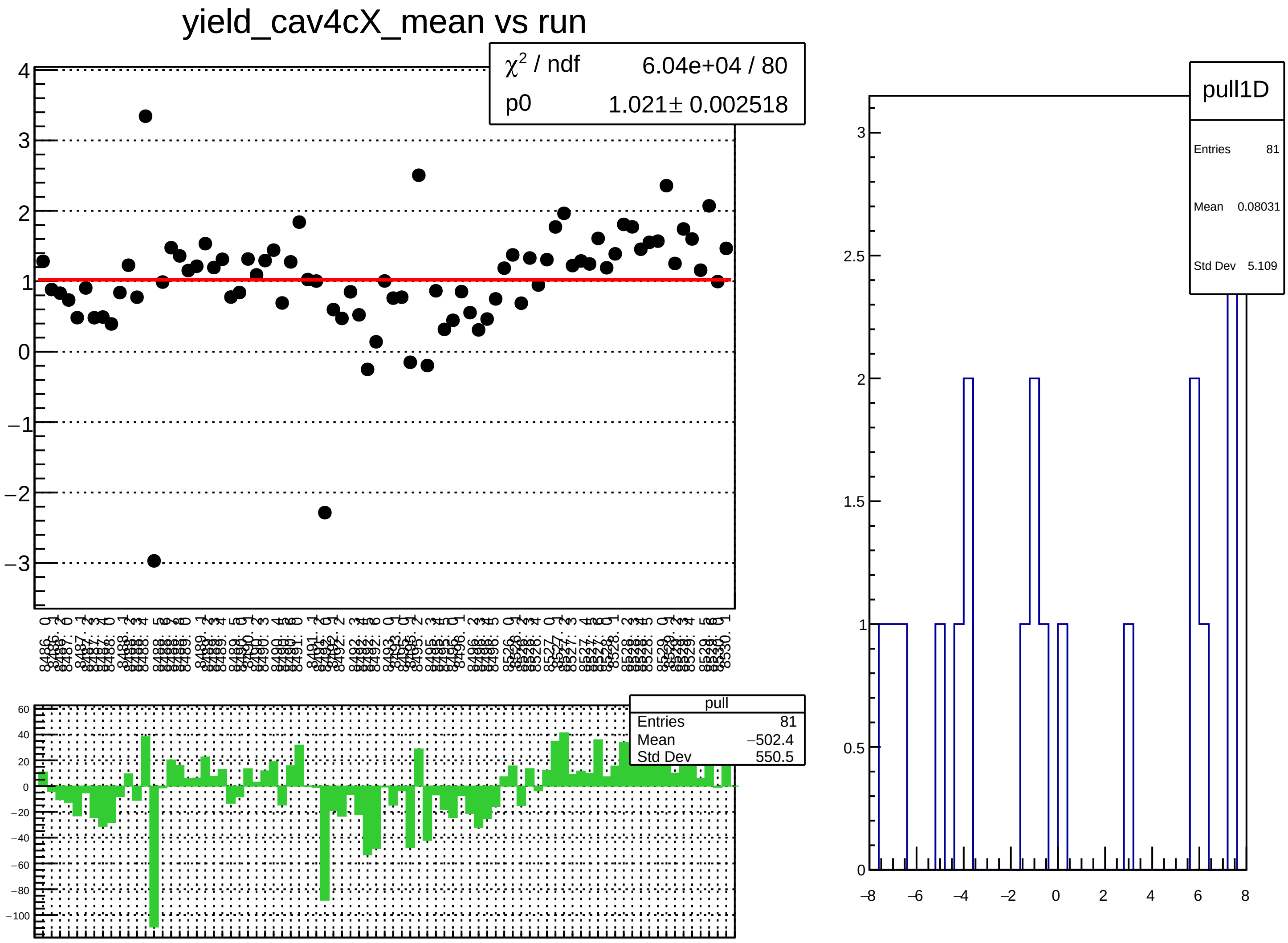
yield_cav4bX_rms vs run
χ^2 / ndf 4.368e+04 / 80
p0 0.09452 ± 7.524e−05
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08



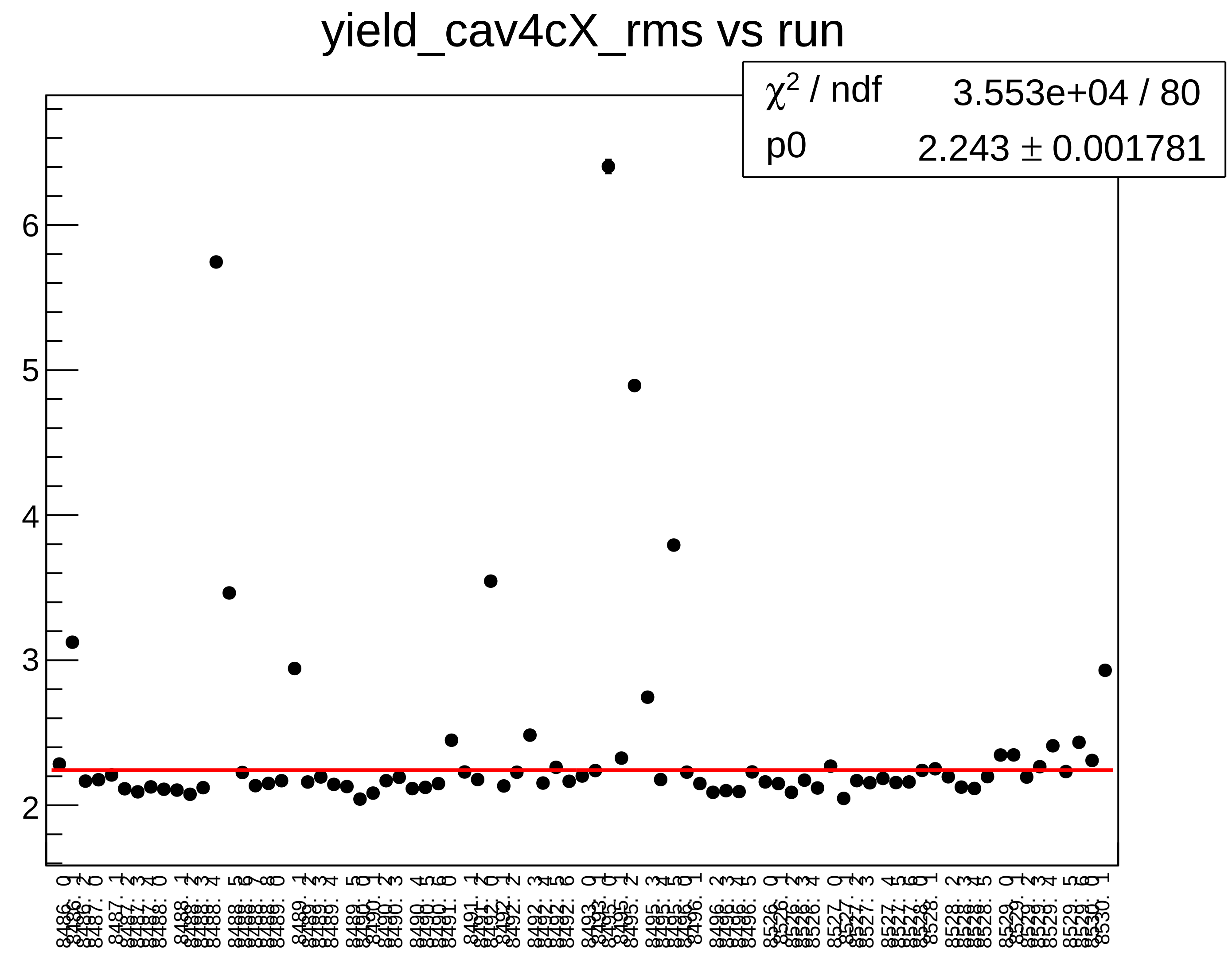
yield_cav4bY_mean vs run
χ^2 / ndf 1.674e+06 / 80
p0 1.054 ± 1.541e−05
pull
Entries 81
Mean −129.6
Std Dev 179.7
pull1D
Entries 81
Mean −2.253
Std Dev 2.003

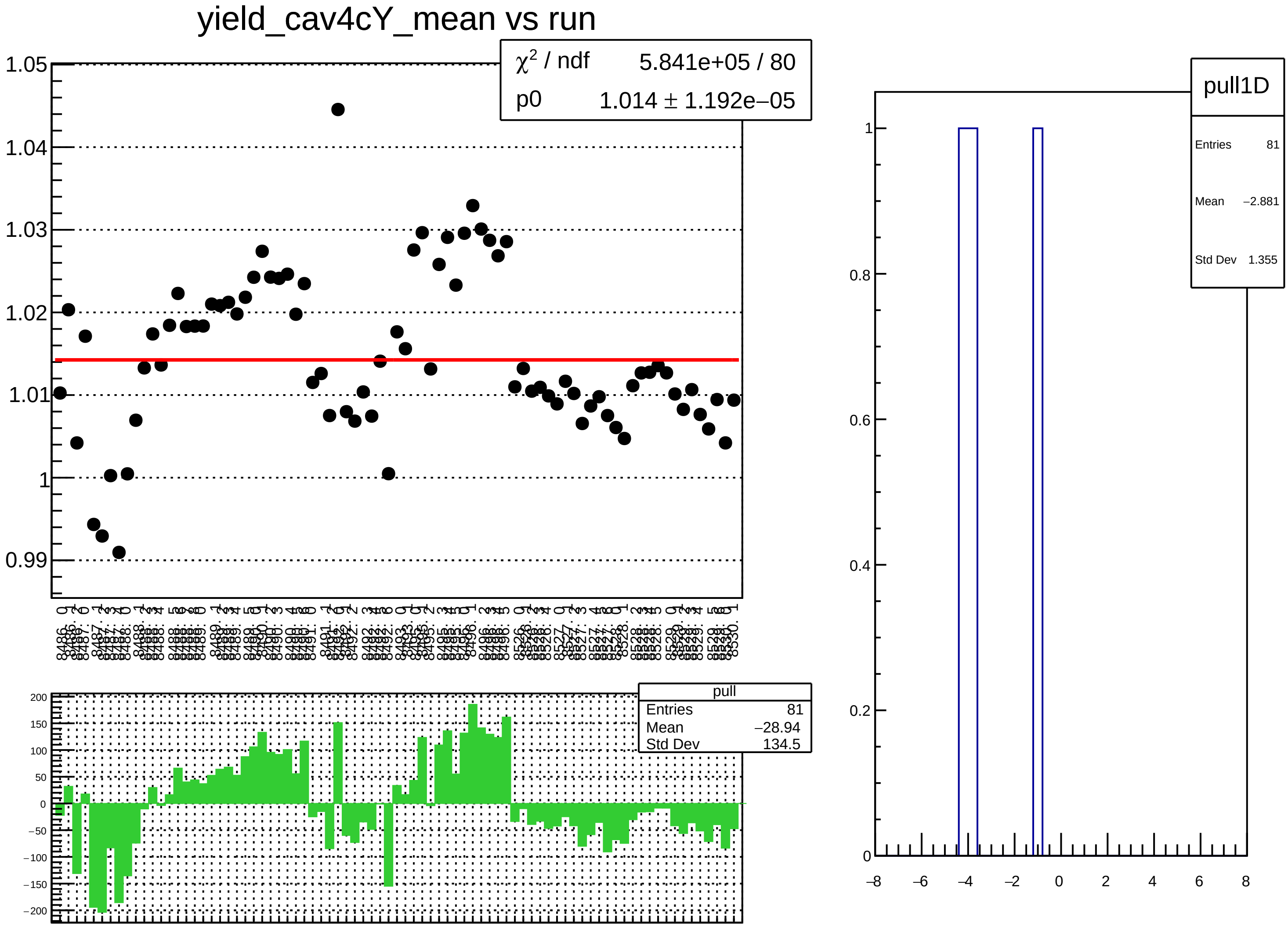


yield_cav4bY_rms vs run
χ2 / ndf 1.273e+05 / 80
p0 0.01332 ± 1.089e−05
0.05
0.04
0.03
0.02
0.01

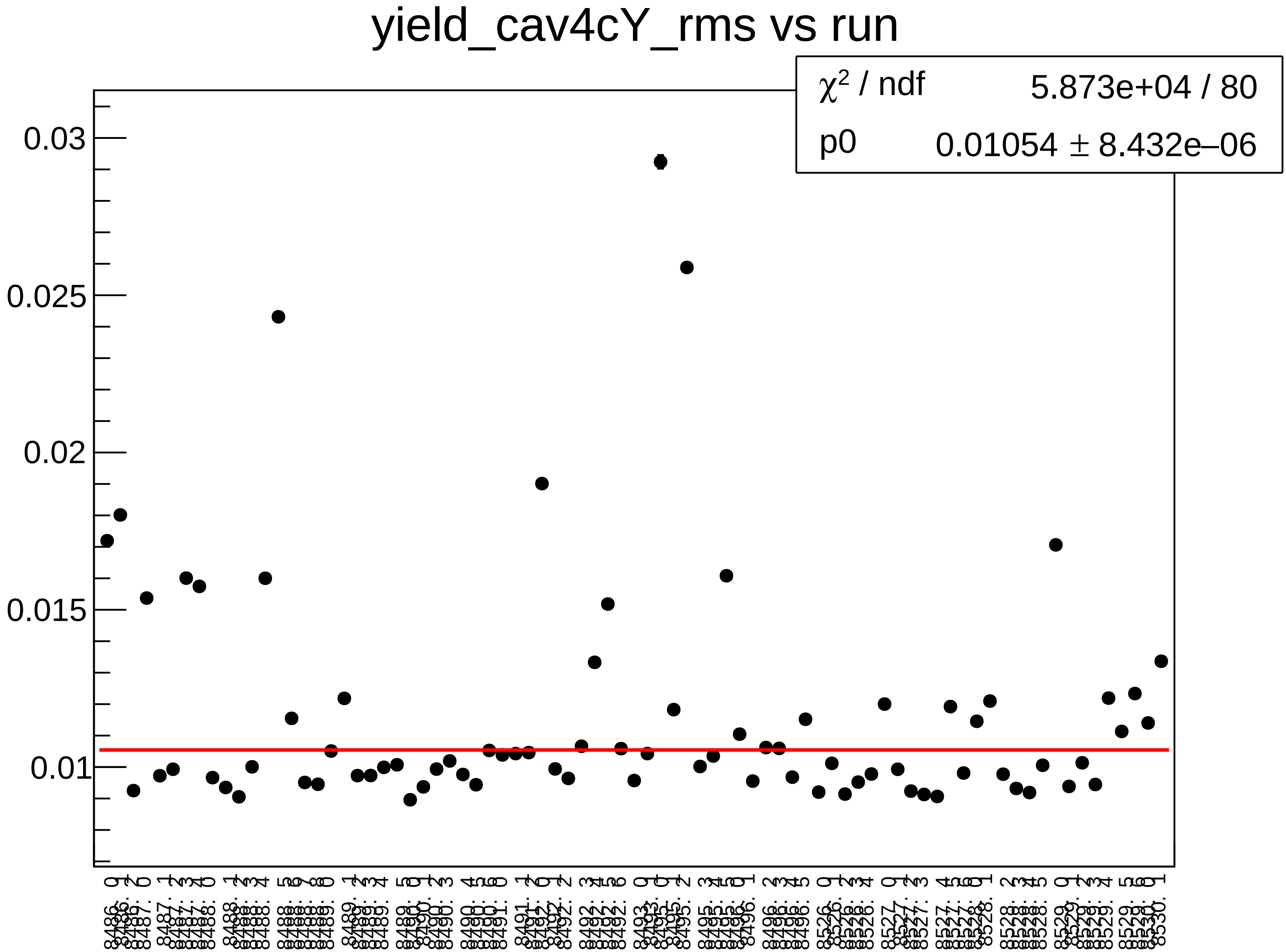


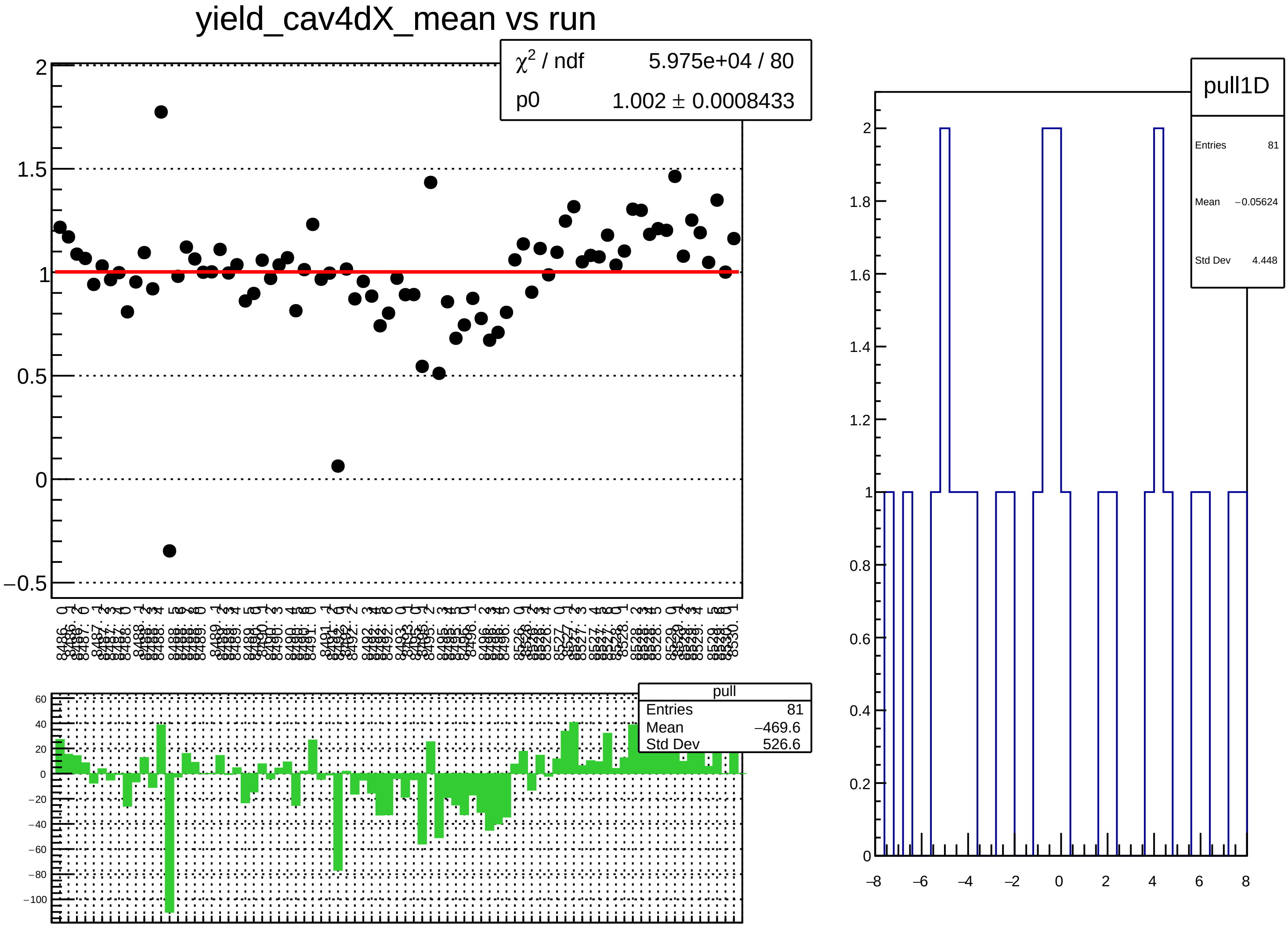
yield_cav4cX_mean vs run
χ^2 / ndf 6.04e+04 / 80
p0 1.021 ± 0.002518
pull
Entries 81
Mean −502.4
Std Dev 550.5
pull1D
Entries 81
Mean 0.08031
Std Dev 5.109


yield_cav4cX_rms vs run
χ^2 / ndf 3.553e+04 / 80
p0 2.243 ± 0.001781
6
5
4
3
2

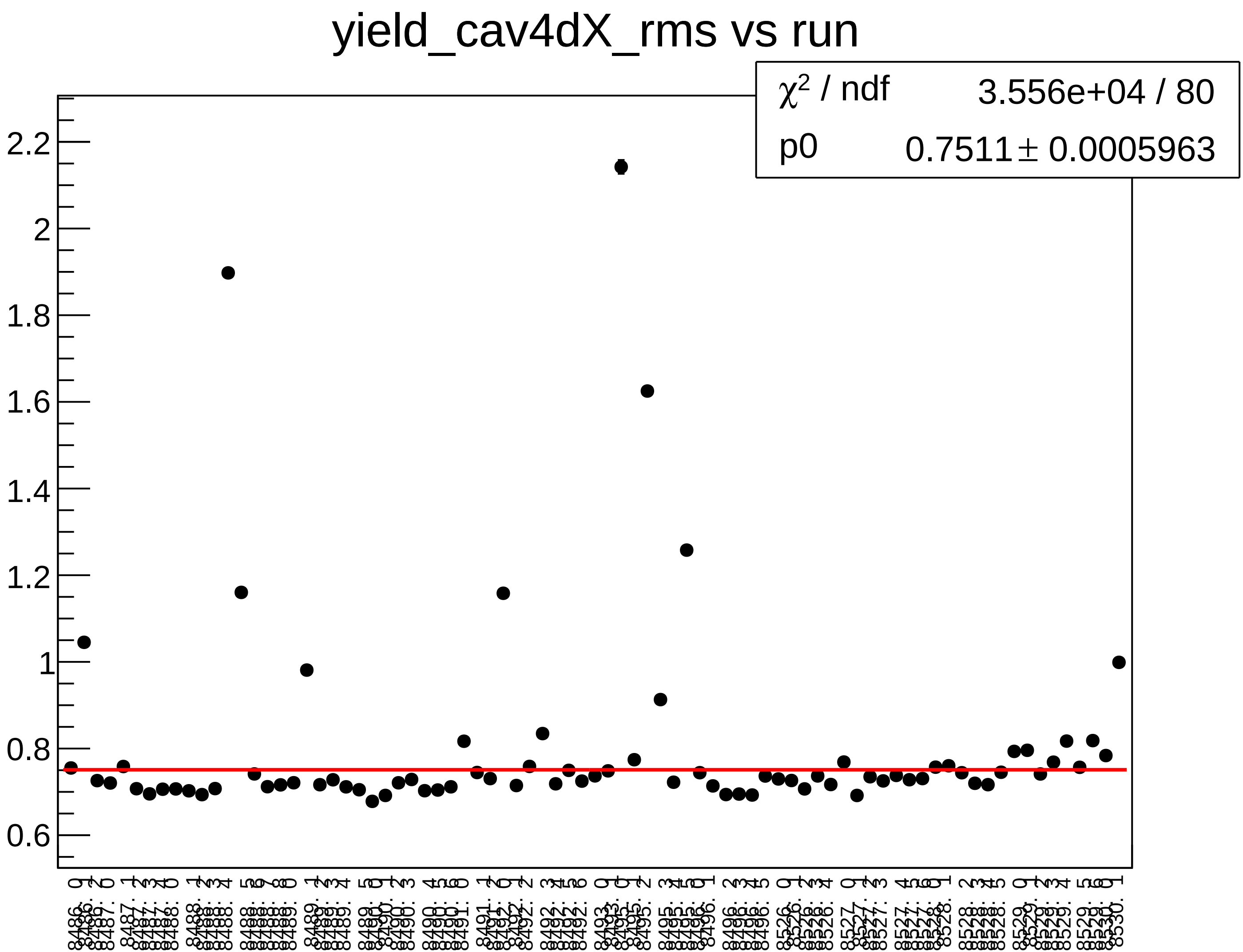


yield_cav4cY_mean vs run
χ^2 / ndf 5.841e+05 / 80
p0 1.014 ± 1.192e−05
pull
Entries 81
Mean −28.94
Std Dev 134.5
pull1D
Entries 81
Mean −2.881
Std Dev 1.355


yield_cav4cY_rms vs run
χ2 / ndf 5.873e+04 / 80
p0 0.01054 ± 8.432e−06
0.03
0.025
0.02
0.015
0.01

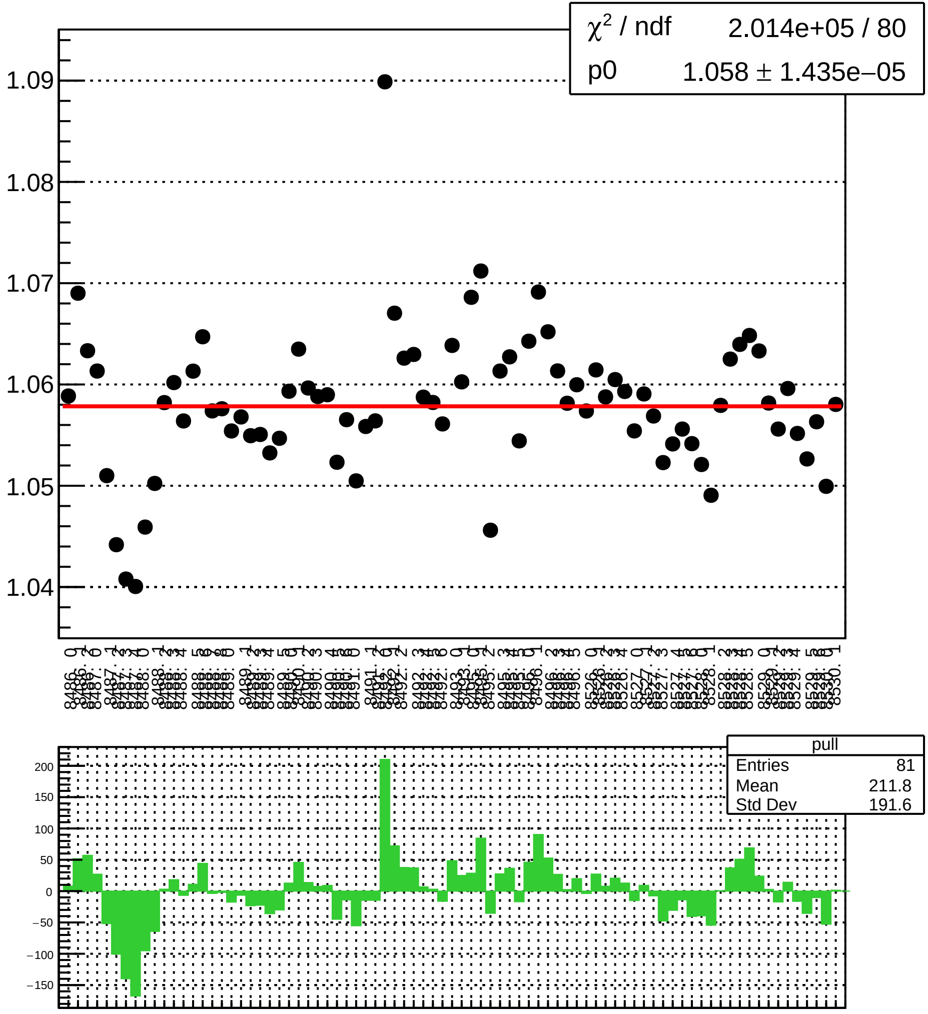


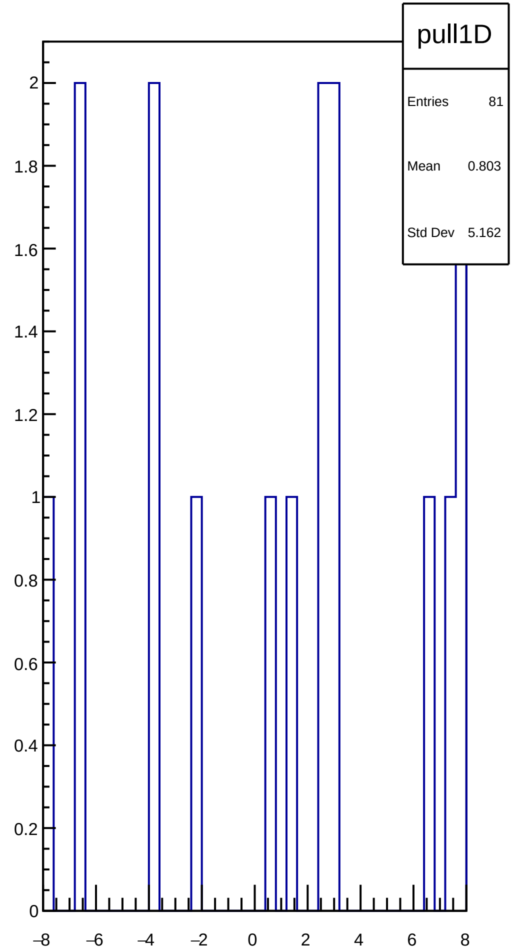
yield_cav4dX_mean vs run
χ^2 / ndf 5.975e+04 / 80
p0 1.002 ± 0.0008433
pull
Entries 81
Mean −469.6
Std Dev 526.6
pull1D
Entries 81
Mean −0.05624
Std Dev 4.448

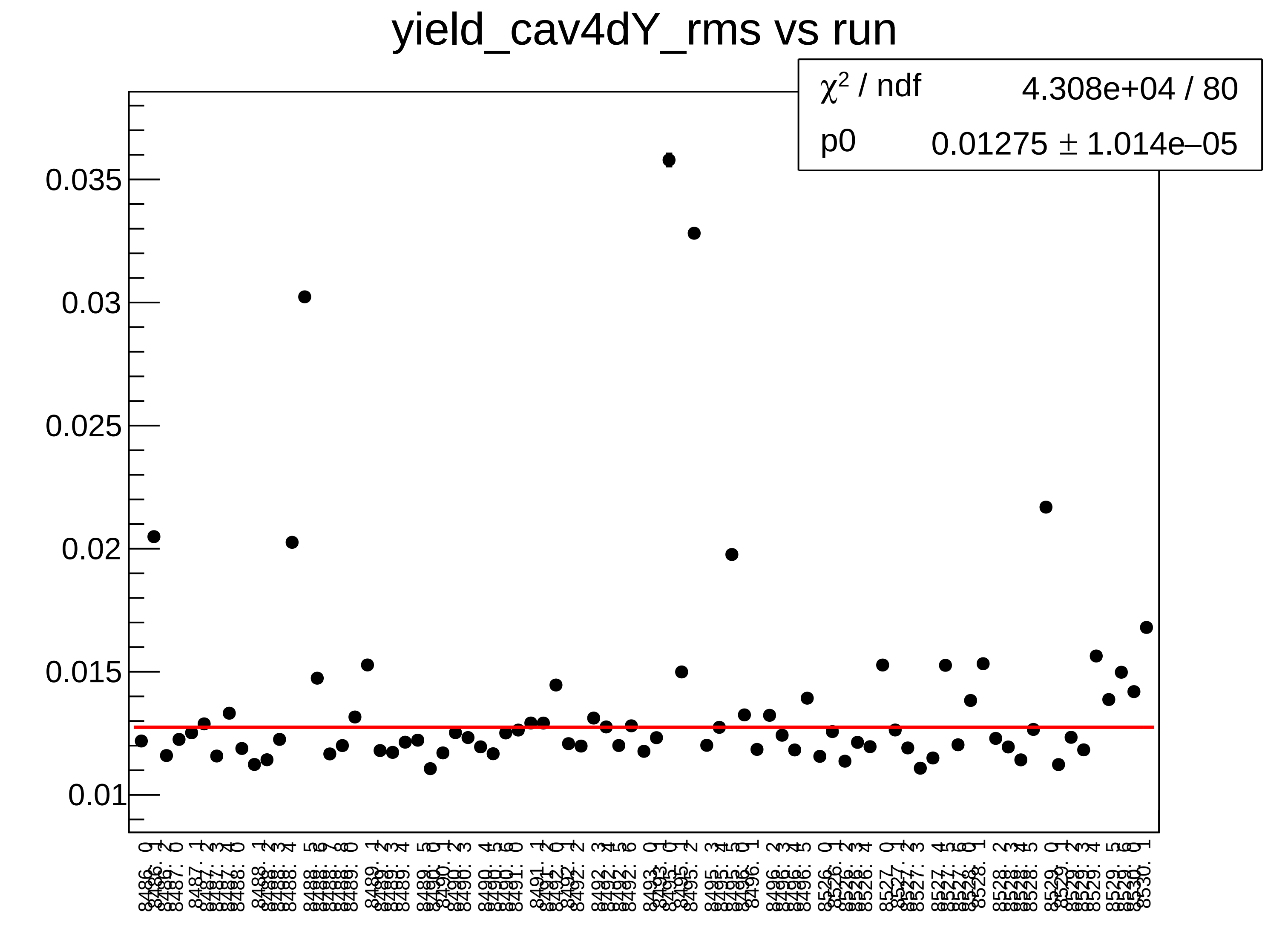


yield_cav4dX_rms vs run
χ^2 / ndf 3.556e+04 / 80
p0 0.7511 ± 0.0005963

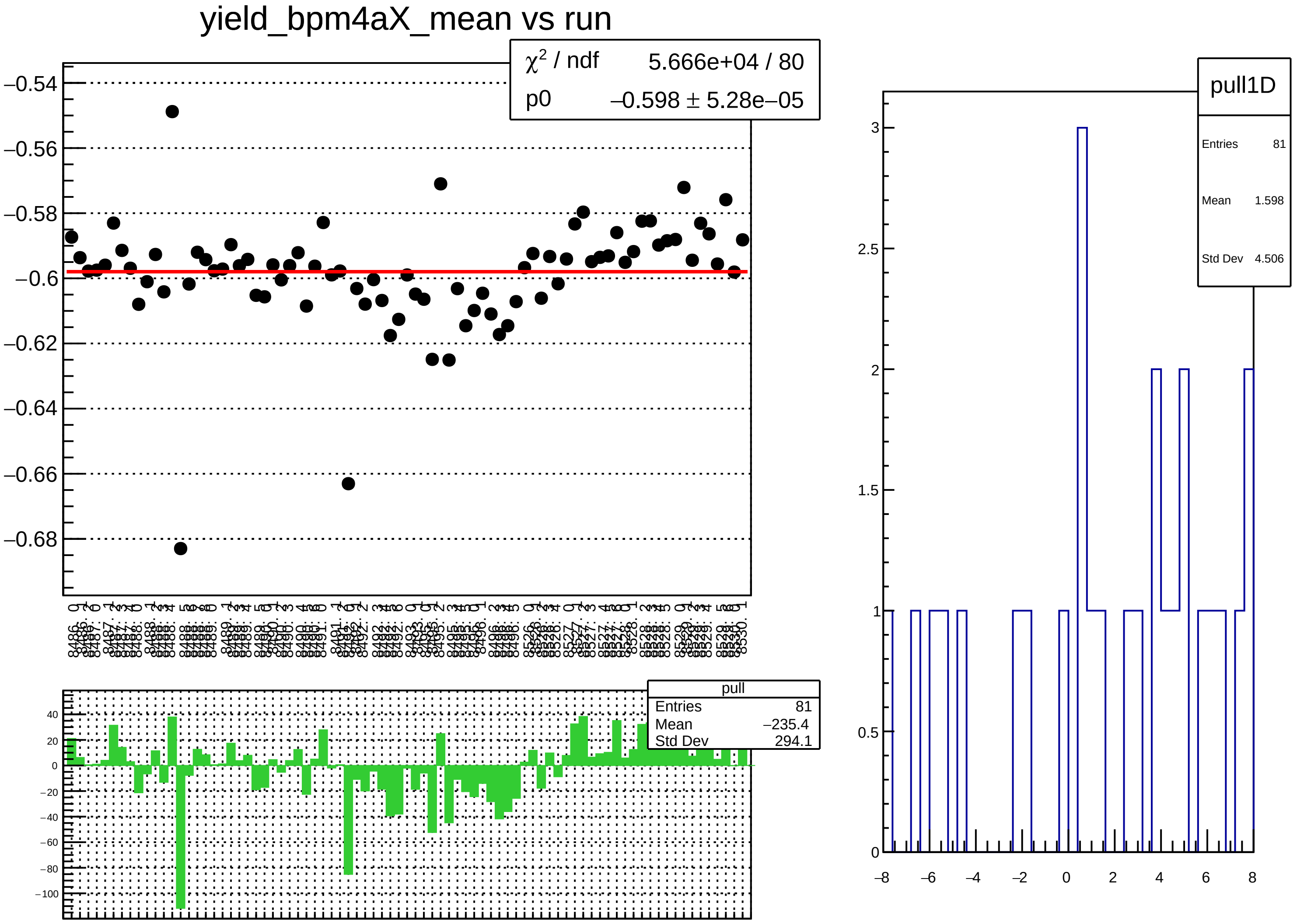
yield_cav4dY_mean vs run



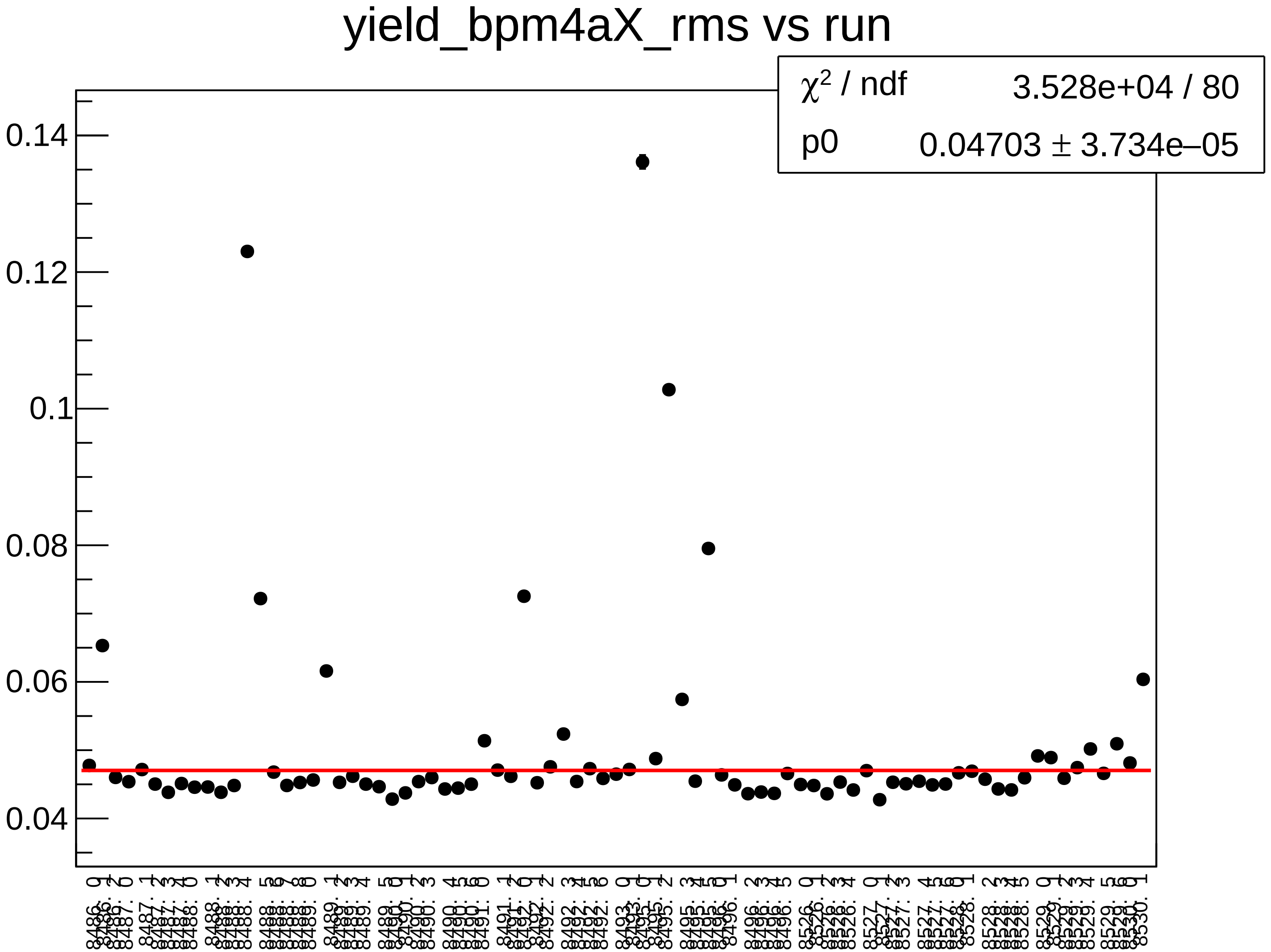




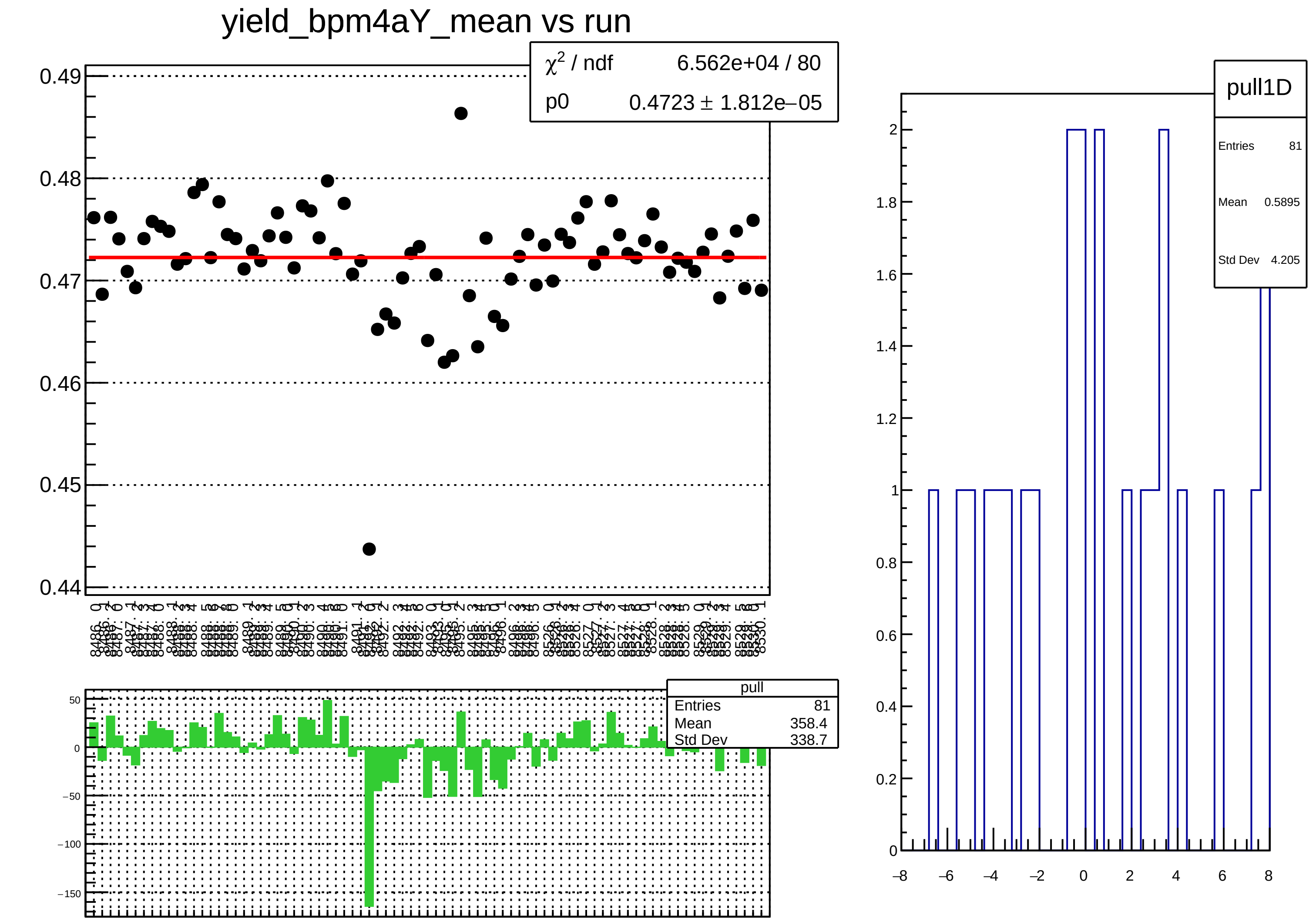
yield_cav4dY_rms vs run
χ^2 / ndf 4.308e+04 / 80
p0 0.01275 ± 1.014e−05
0.035
0.03
0.025
0.02
0.015
0.01

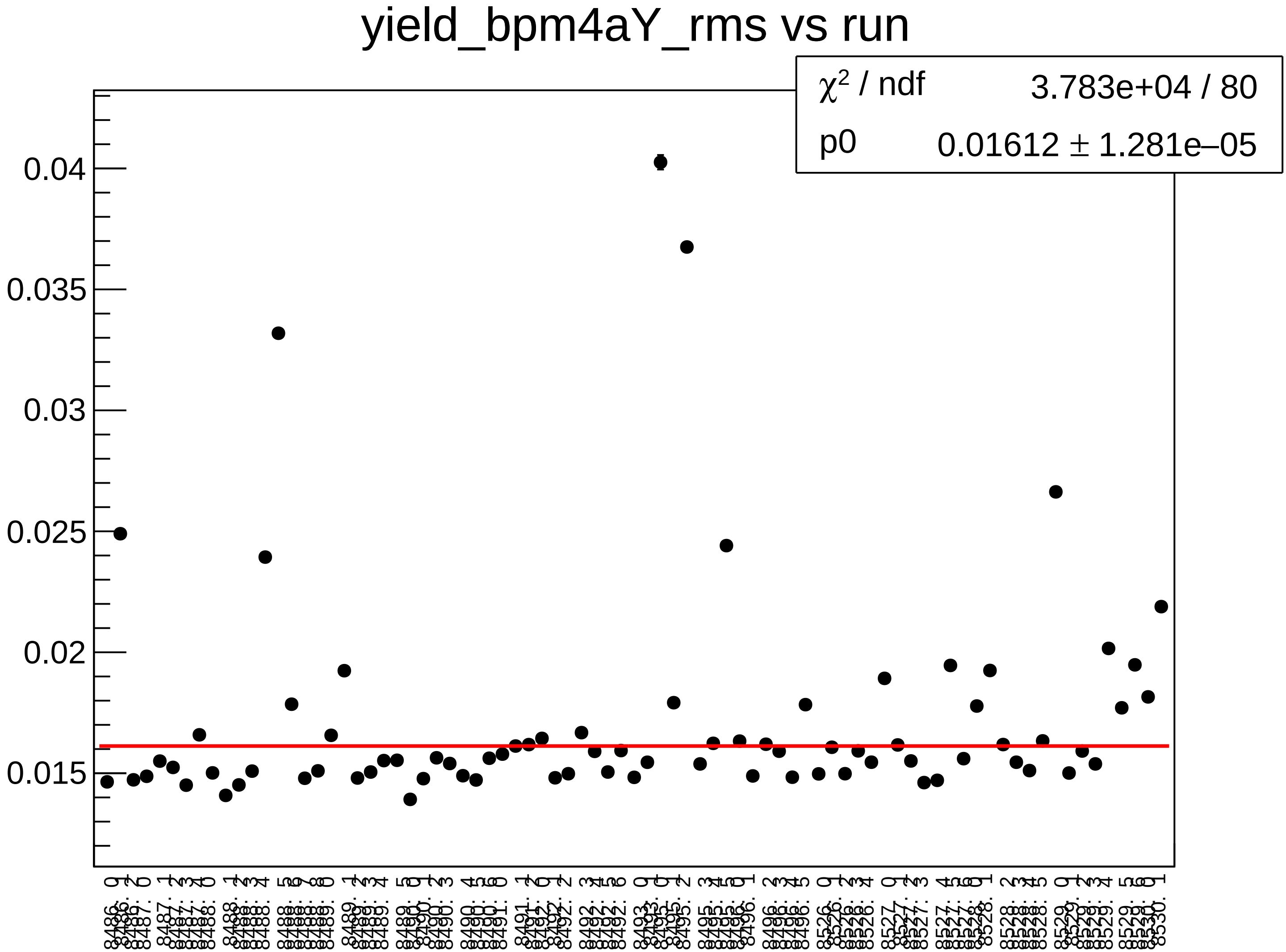


yield_bpm4aX_mean vs run
χ^2 / ndf 5.666e+04 / 80
p0 −0.598 ± 5.28e−05
pull
Entries 81
Mean −235.4
Std Dev 294.1
pull1D
Entries 81
Mean 1.598
Std Dev 4.506

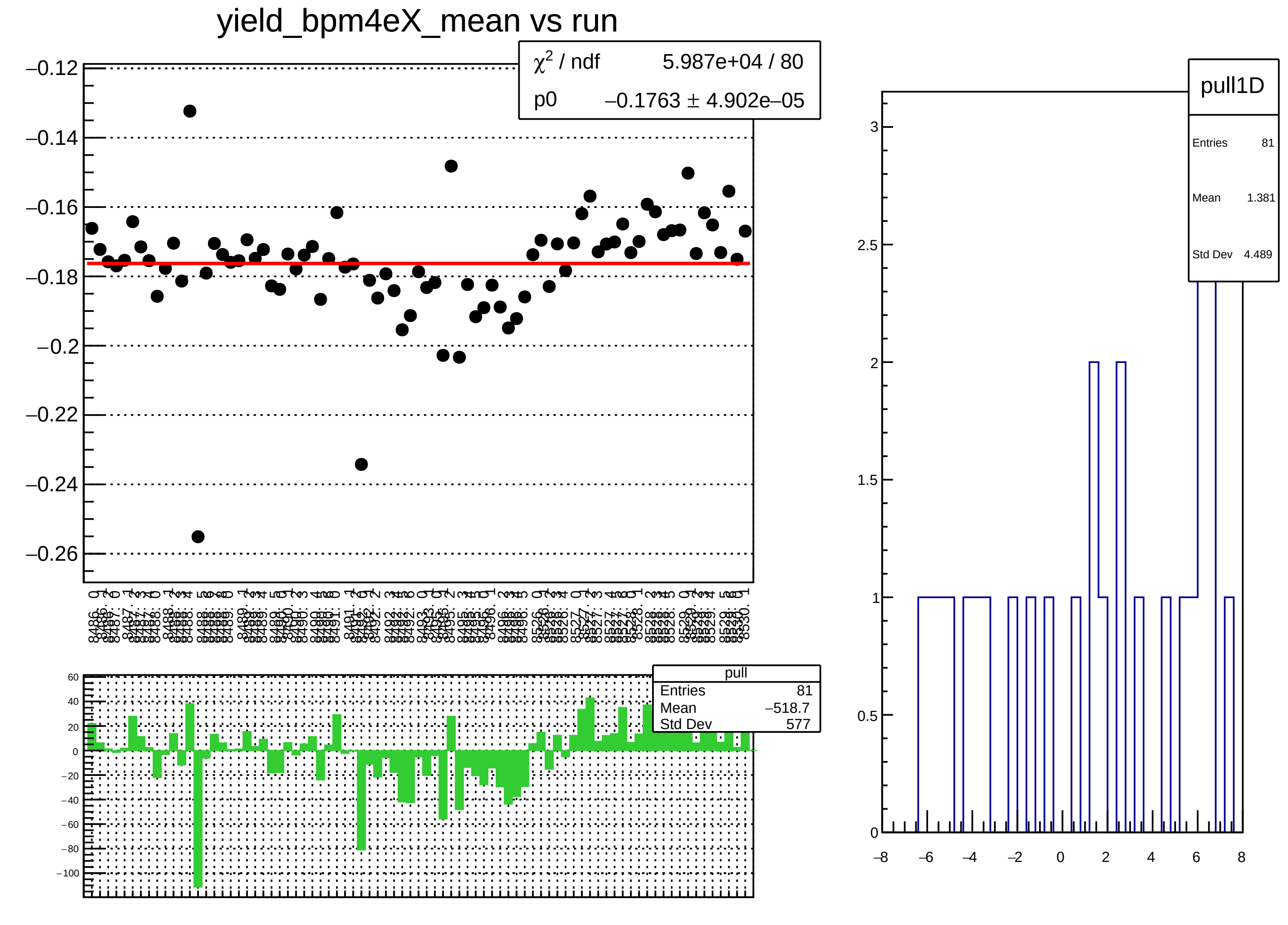


yield_bpm4aX_rms vs run
χ2 / ndf 3.528e+04 / 80
p0 0.04703 ± 3.734e−05
0.14
0.12
0.1
0.08
0.06
0.04

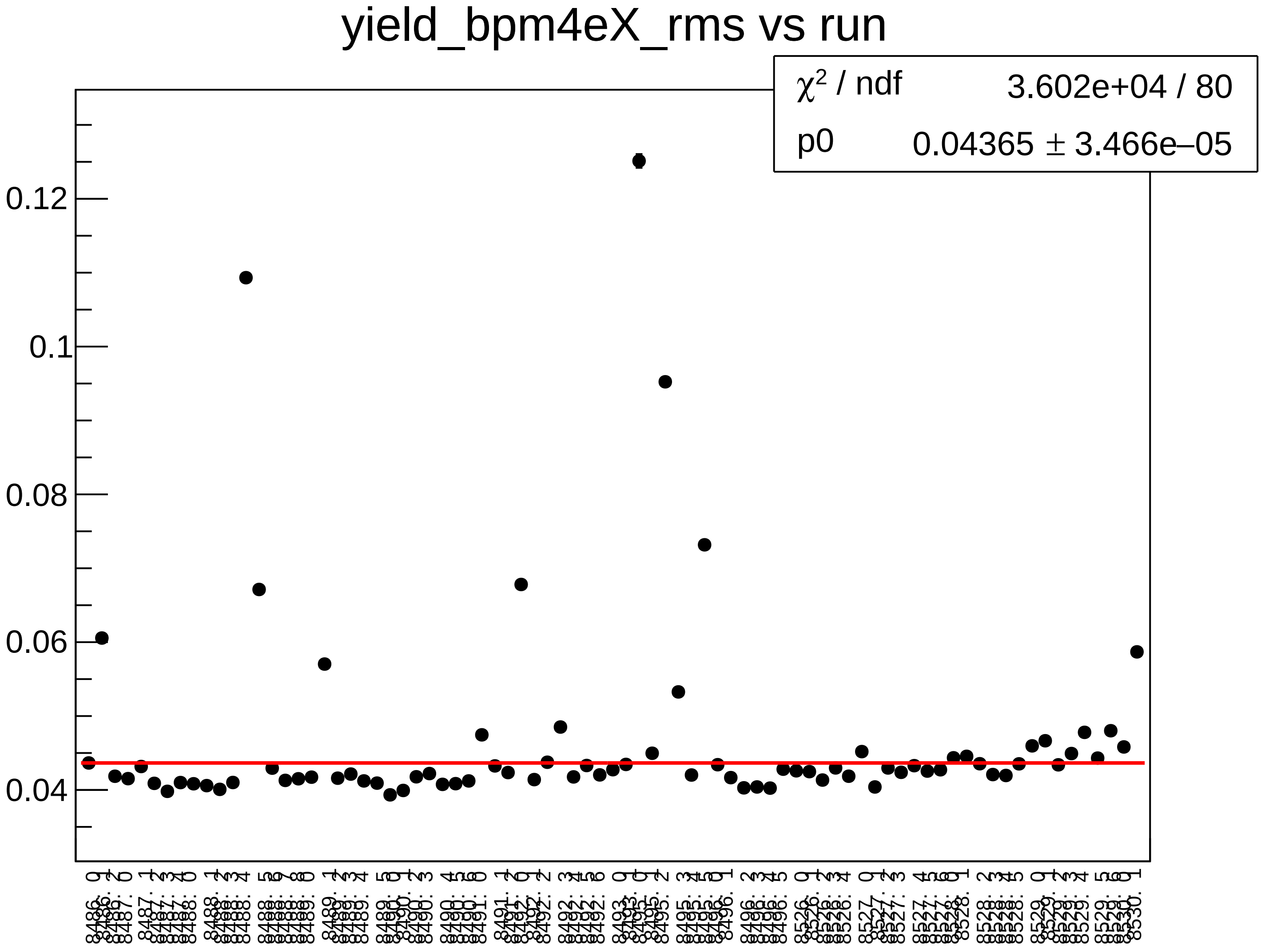

yield_bpm4aY_mean vs run
χ2 / ndf 6.562e+04 / 80
p0 0.4723 ± 1.812e−05
0.49
0.48
0.47
0.46
0.45
0.44
pull
Entries 81
Mean 358.4
Std Dev 338.7
50
0
−50
−100
−150
pull1D
Entries 81
Mean 0.5895
Std Dev 4.205
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



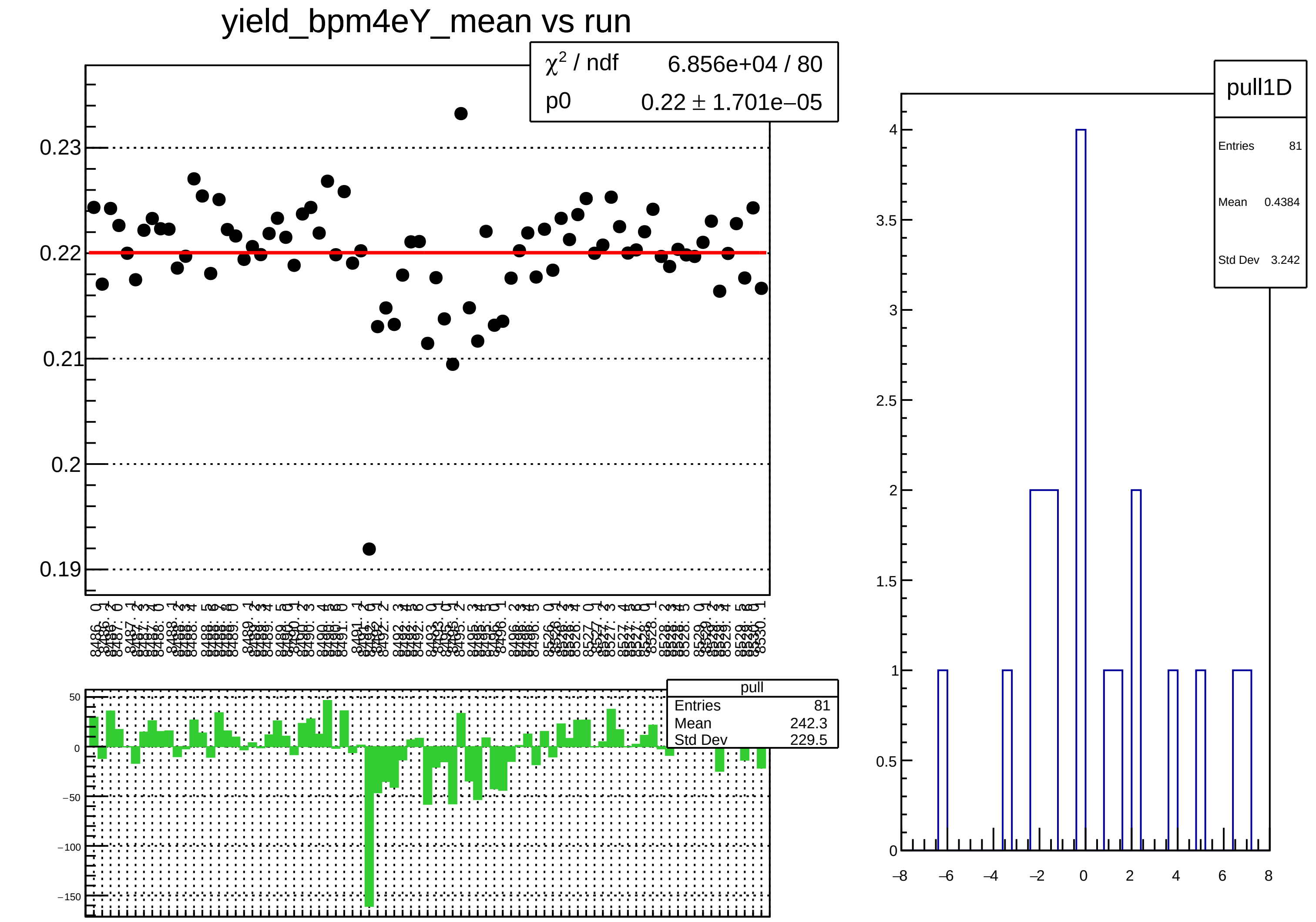
yield_bpm4aY_rms vs run
χ^2 / ndf 3.783e+04 / 80
p0 0.01612 ± 1.281e−05
0.04
0.035
0.03
0.025
0.02
0.015



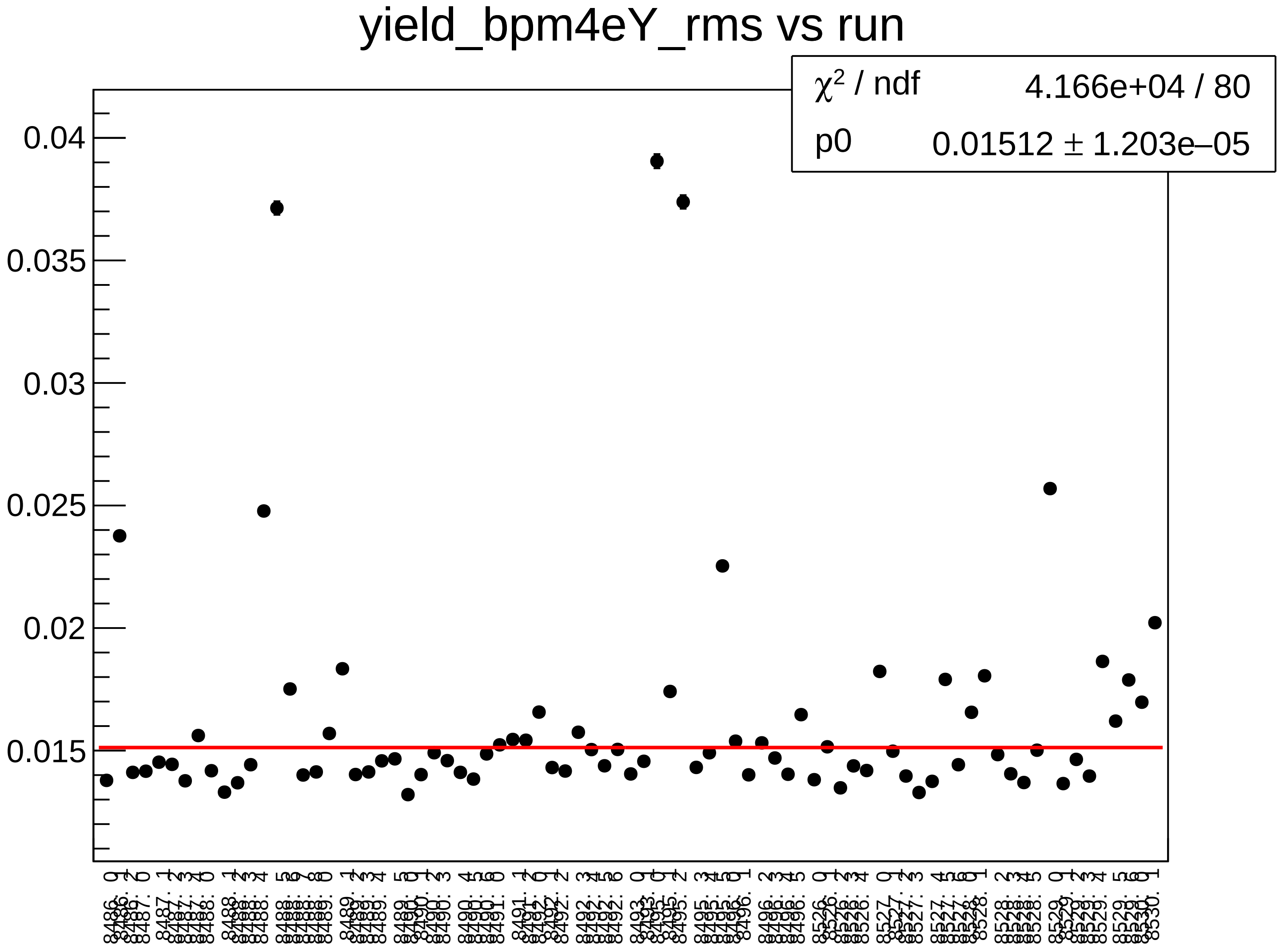
yield_bpm4eX_mean vs run
χ^2 / ndf 5.987e+04 / 80
p0 −0.1763 ± 4.902e−05
pull
Entries 81
Mean −518.7
Std Dev 577
pull1D
Entries 81
Mean 1.381
Std Dev 4.489



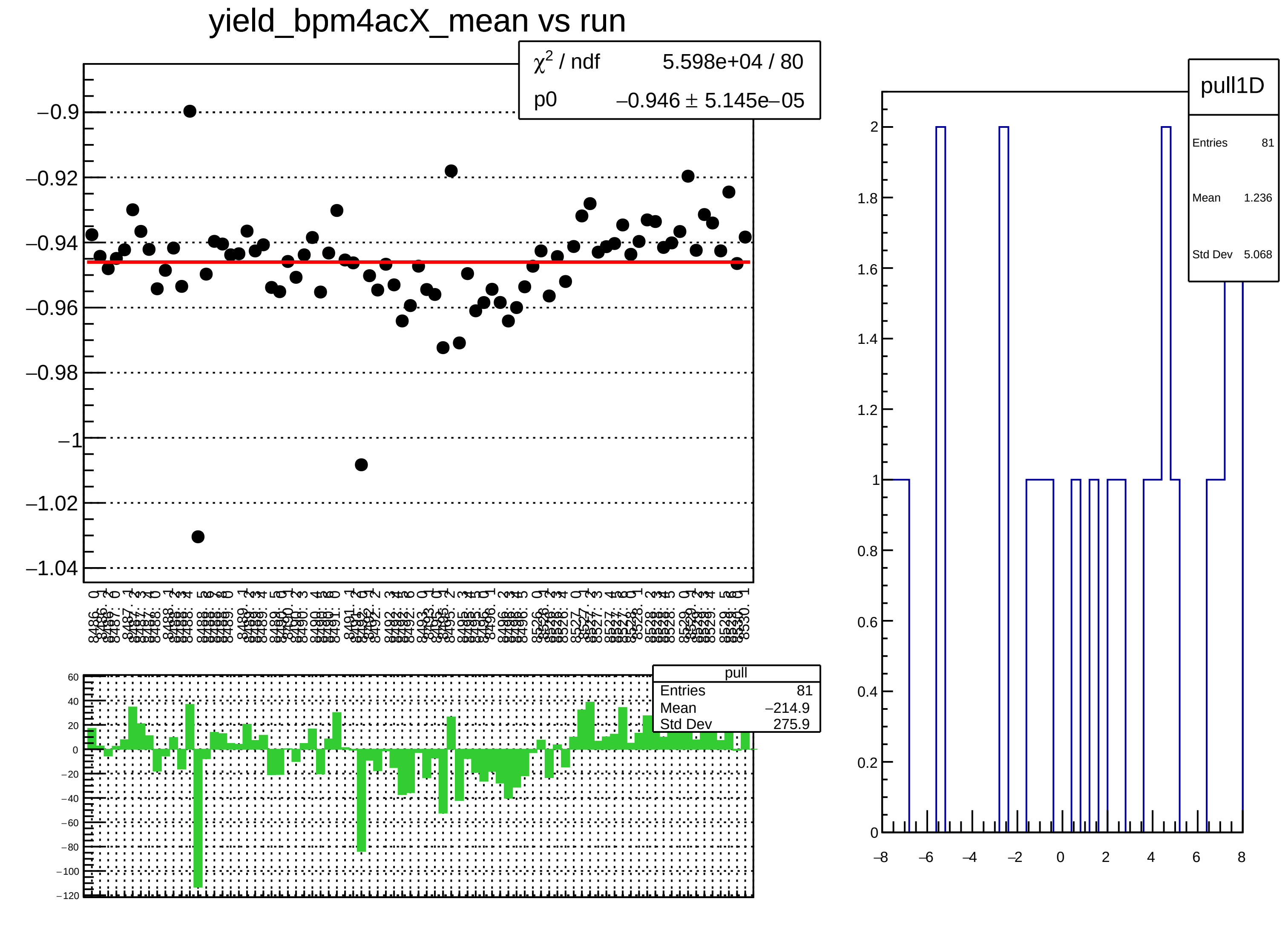
yield_bpm4eX_rms vs run
χ² / ndf 3.602e+04 / 80
p0 0.04365 ± 3.466e−05
0.12
0.1
0.08
0.06
0.04



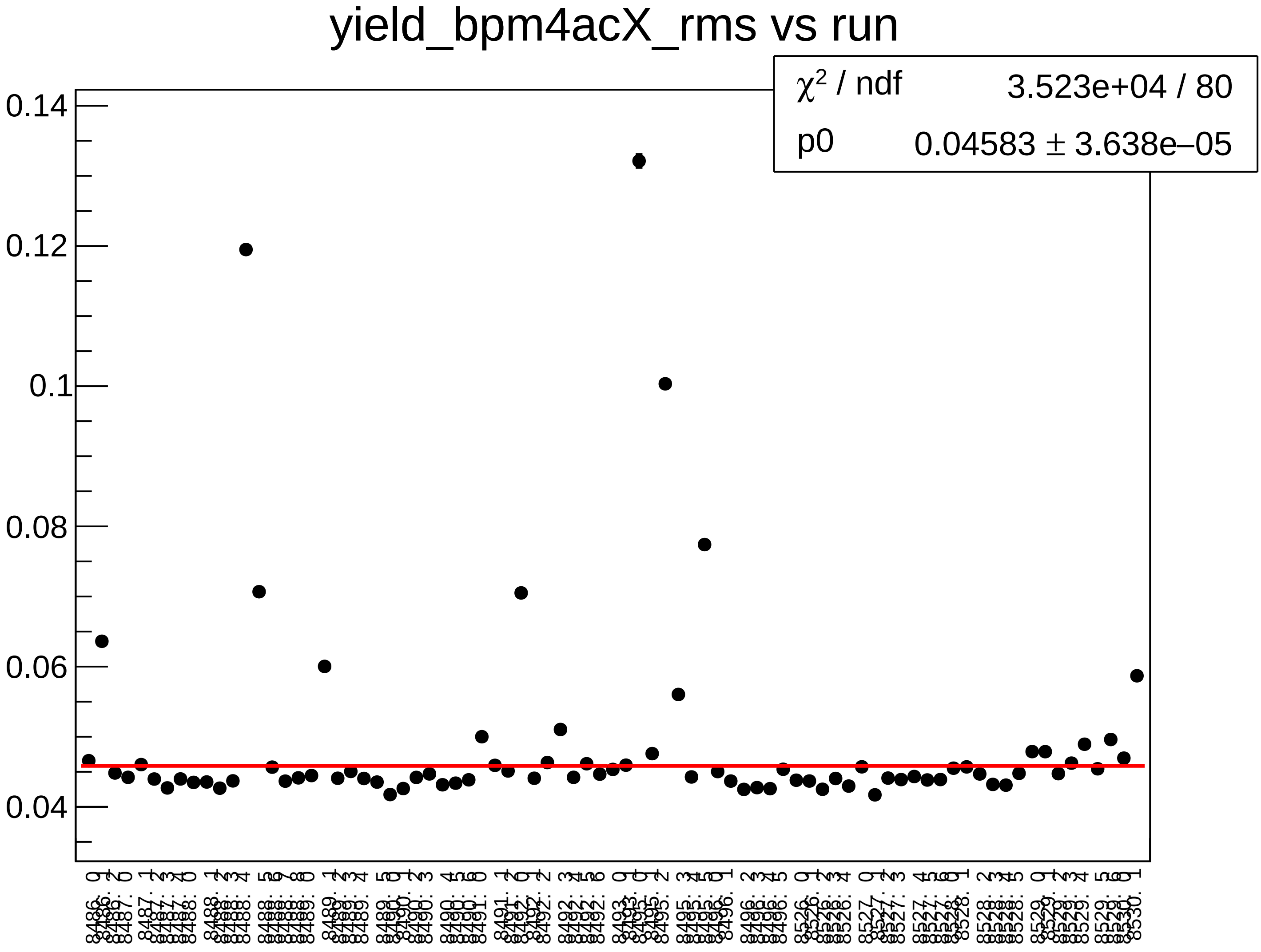
yield_bpm4eY_mean vs run
χ^2 / ndf 6.856e+04 / 80
p0 0.22 ± 1.701e−05
pull
Entries 81
Mean 242.3
Std Dev 229.5
pull1D
Entries 81
Mean 0.4384
Std Dev 3.242



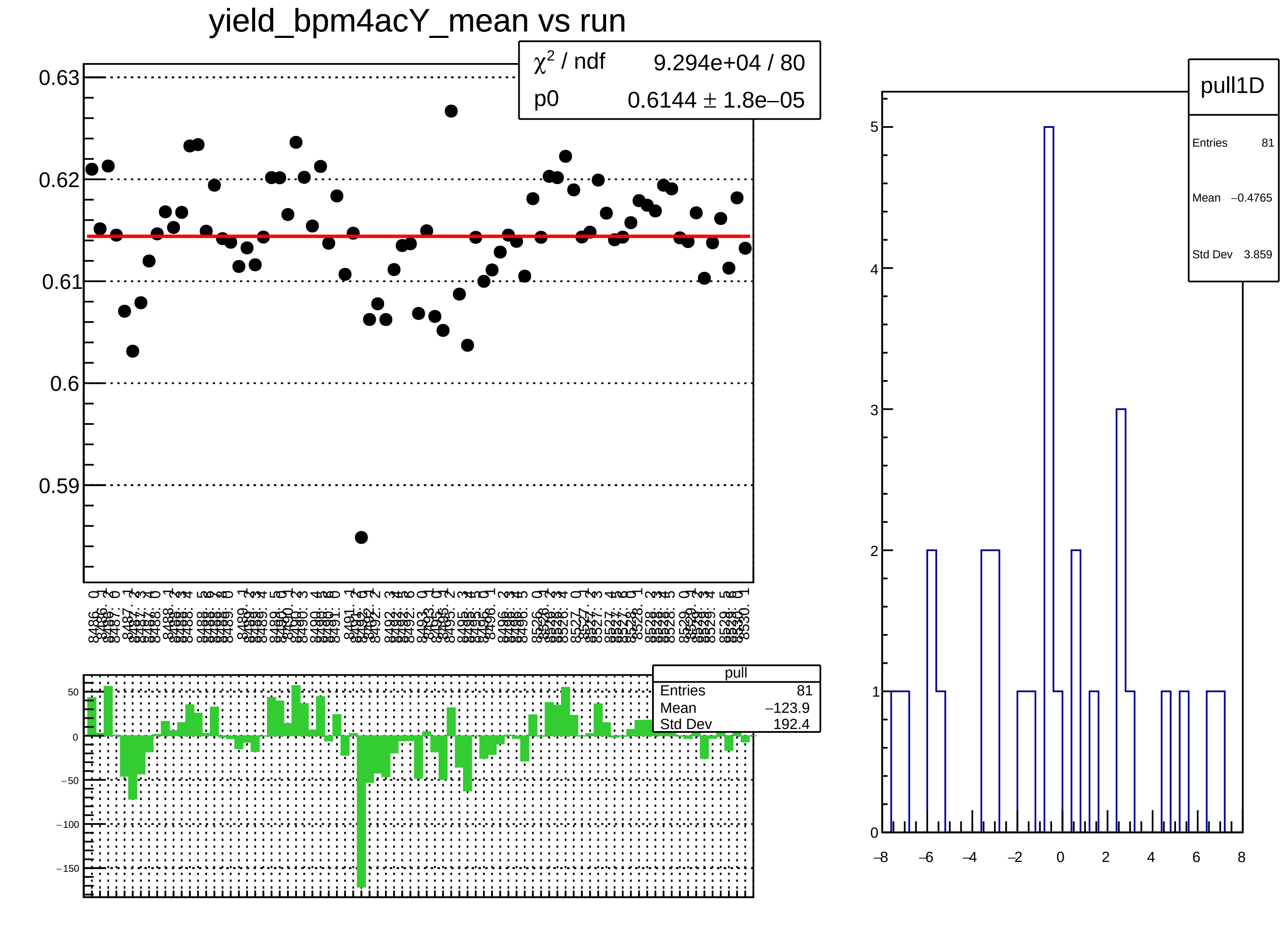
yield_bpm4eY_rms vs run
χ^2 / ndf 4.166e+04 / 80
p0 0.01512 ± 1.203e−05
0.04
0.035
0.03
0.025
0.02
0.015



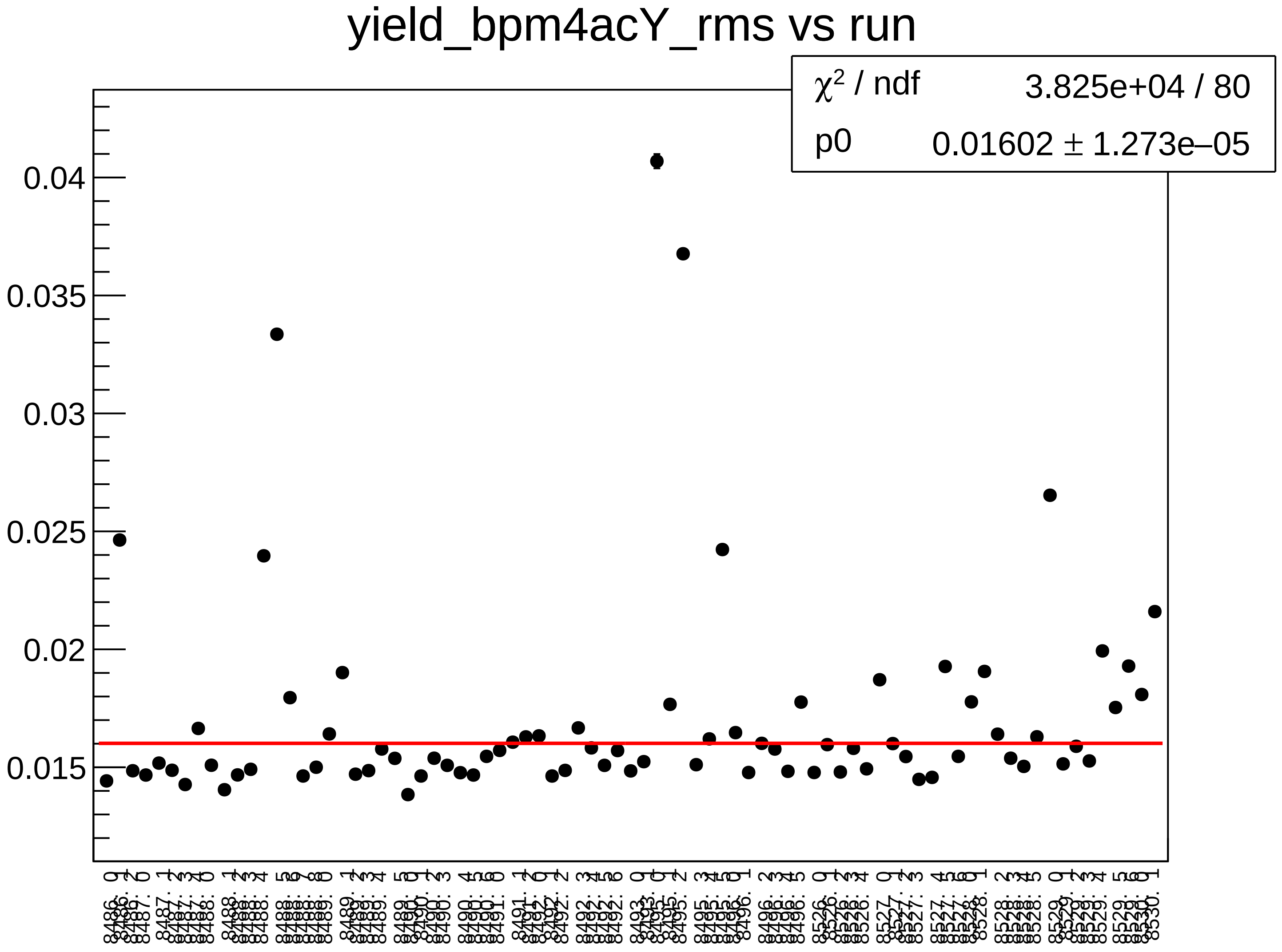
yield_bpm4acX_mean vs run
χ^2 / ndf 5.598e+04 / 80
p0 −0.946 ± 5.145e−05
pull
Entries 81
Mean −214.9
Std Dev 275.9
pull1D
Entries 81
Mean 1.236
Std Dev 5.068



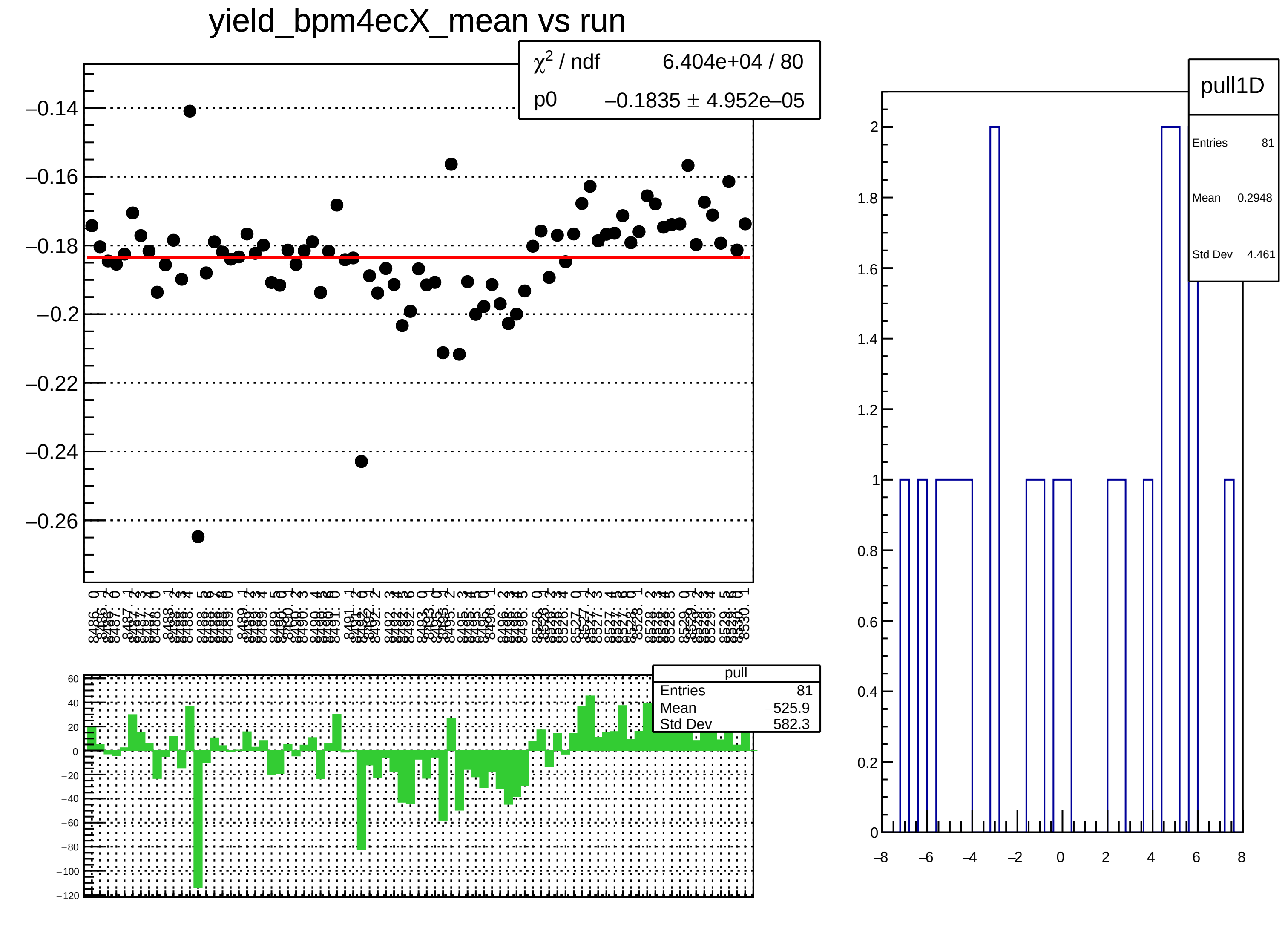
yield_bpm4acX_rms vs run
χ^2 / ndf 3.523e+04 / 80
p0 0.04583 ± 3.638e−05
0.14
0.12
0.1
0.08
0.06
0.04

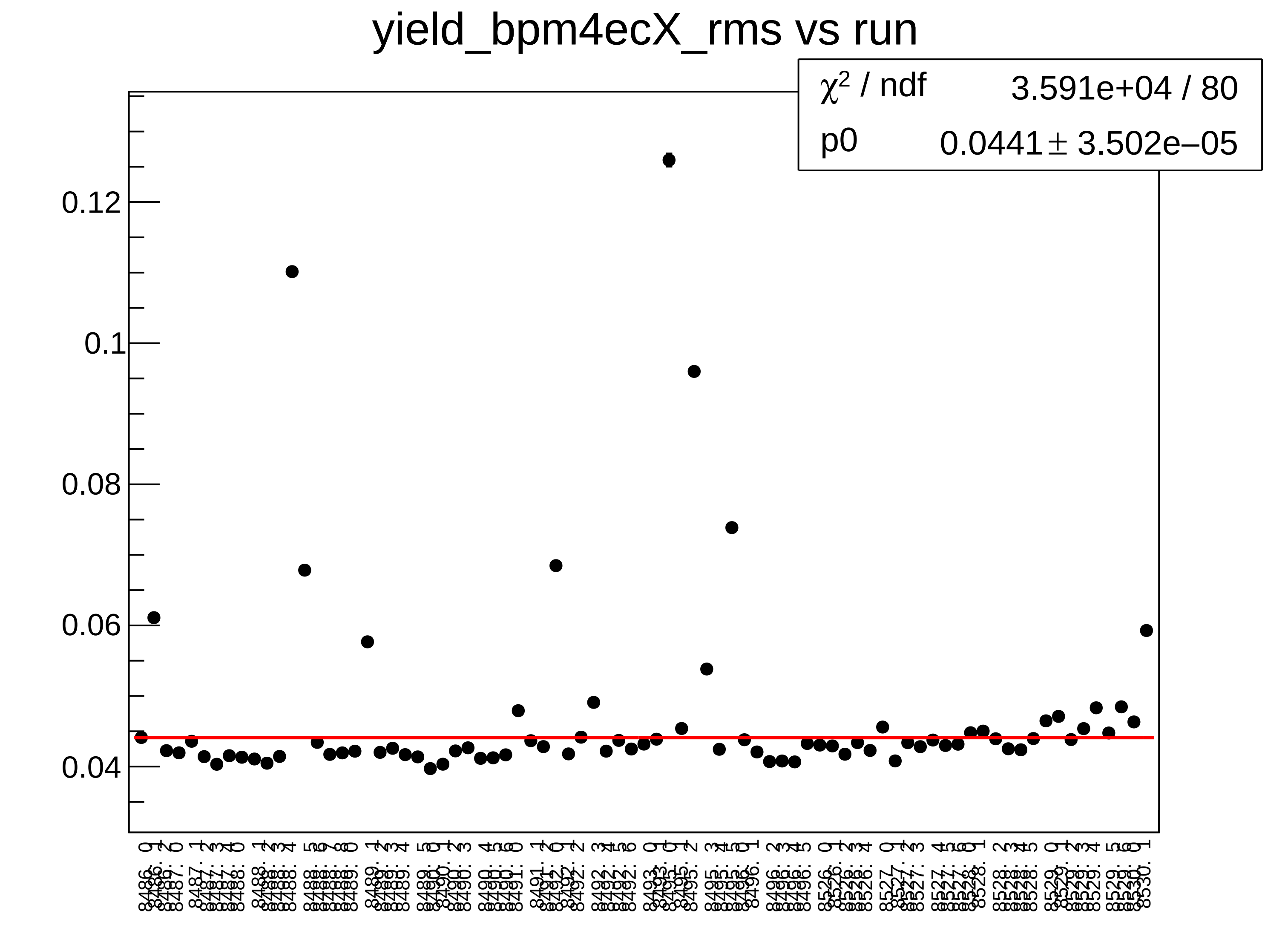


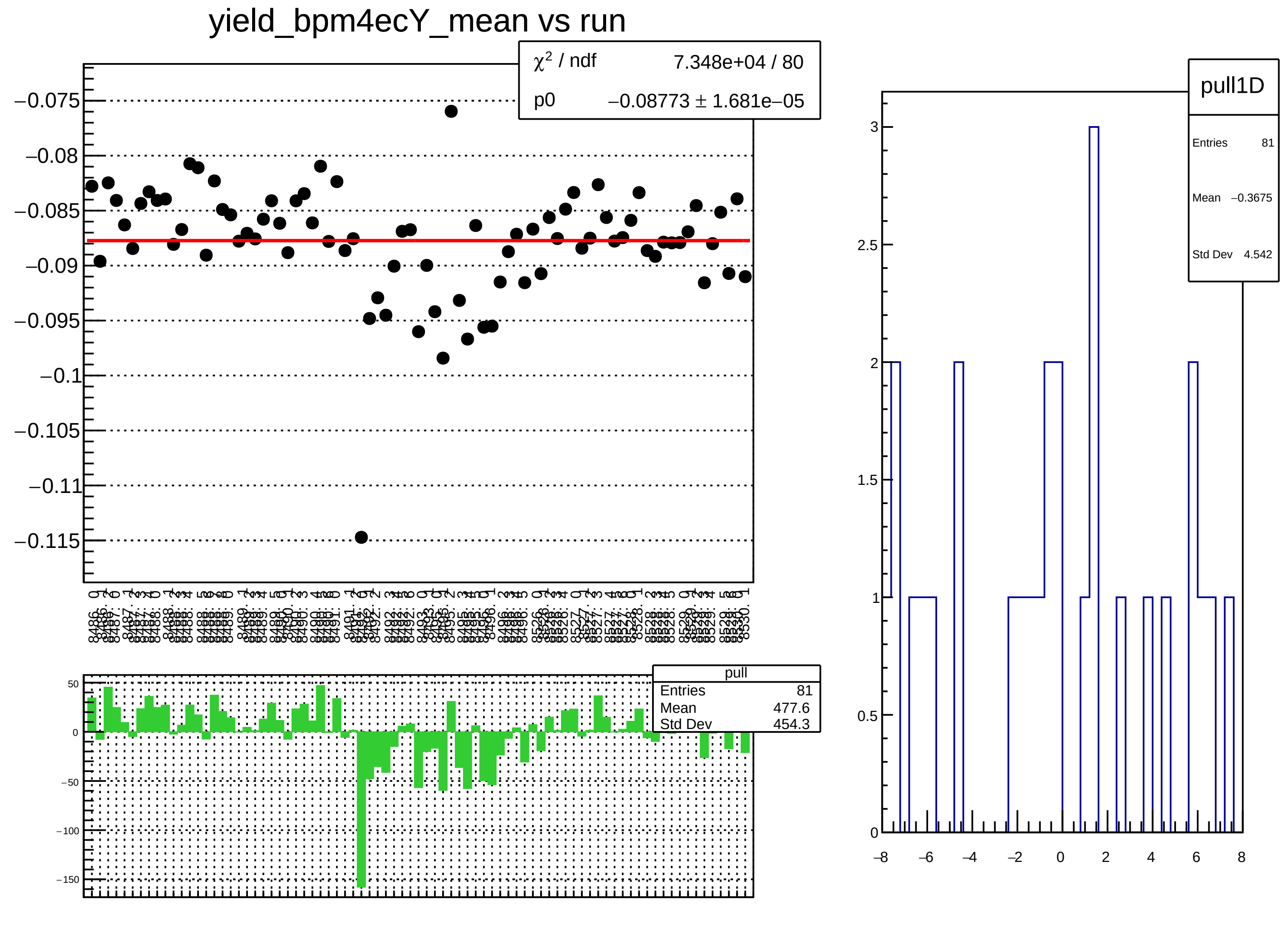
yield_bpm4acY_mean vs run
χ2 / ndf 9.294e+04 / 80
p0 0.6144 ± 1.8e−05
pull
Entries 81
Mean −123.9
Std Dev 192.4
pull1D
Entries 81
Mean −0.4765
Std Dev 3.859



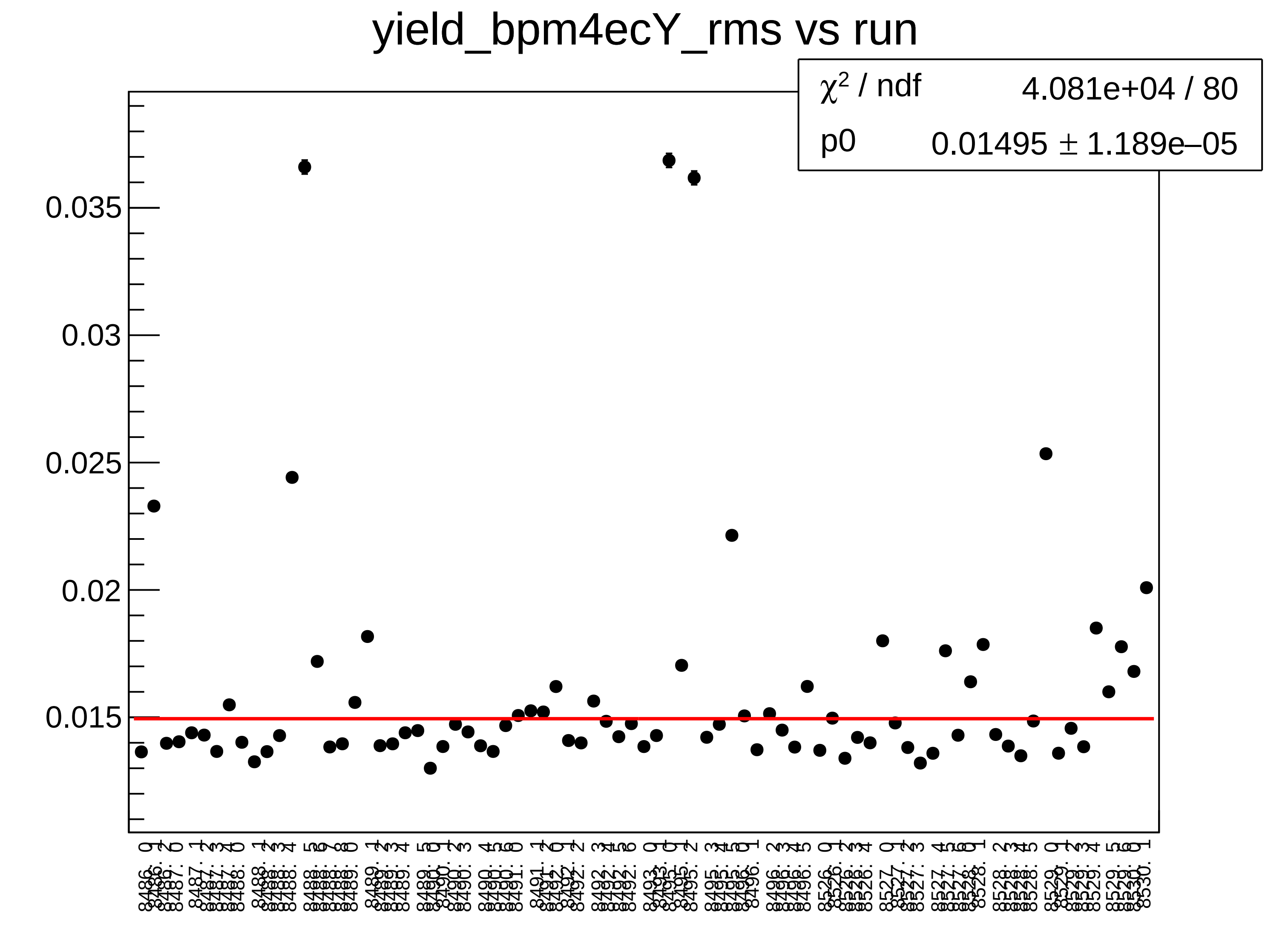
yield_bpm4acY_rms vs run
χ2 / ndf 3.825e+04 / 80
p0 0.01602 ± 1.273e−05
0.04
0.035
0.03
0.025
0.02
0.015

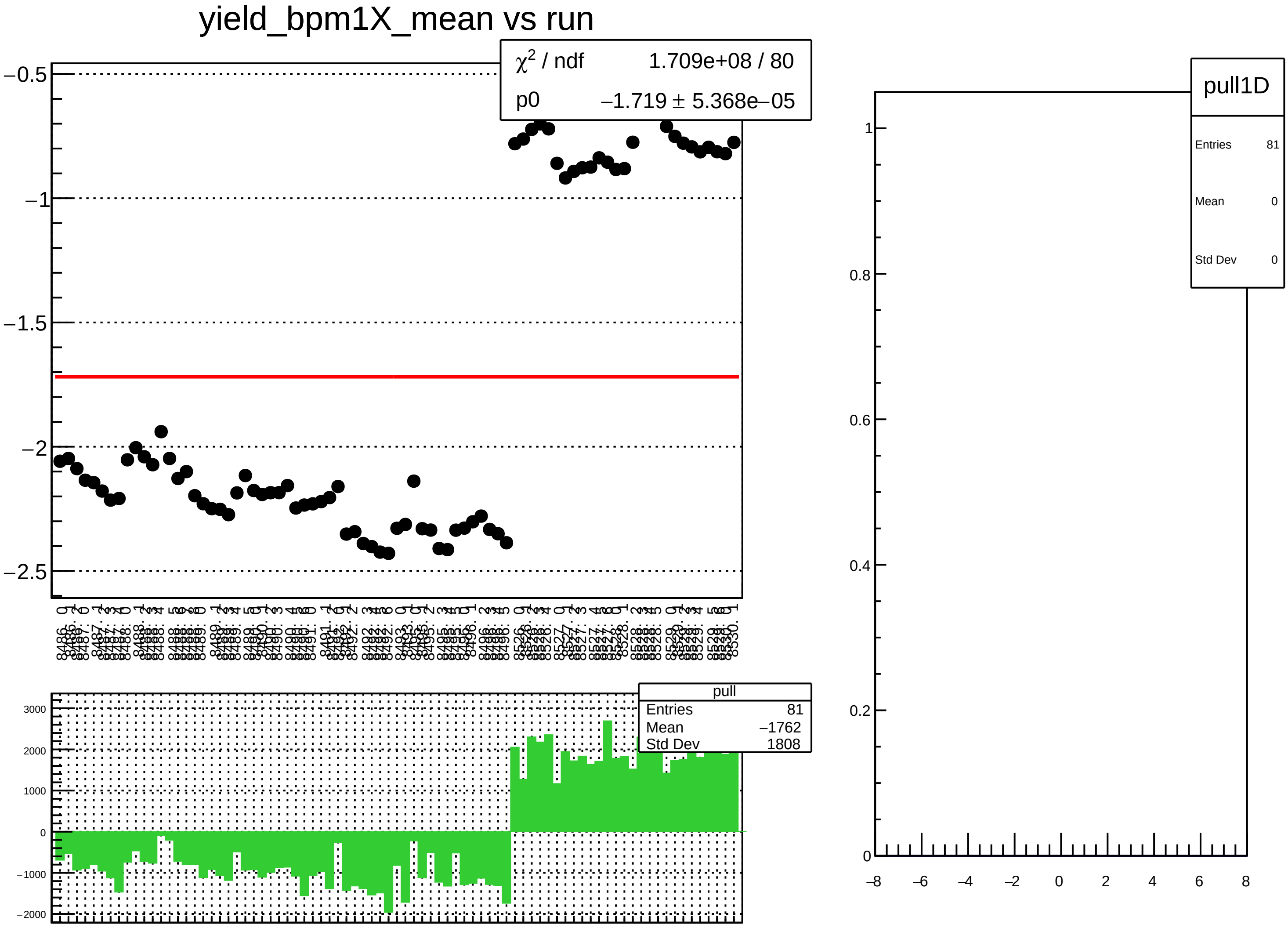

yield_bpm4ecX_mean vs run
χ^2 / ndf 6.404e+04 / 80
p0 −0.1835 ± 4.952e−05
pull
Entries 81
Mean −525.9
Std Dev 582.3
pull1D
Entries 81
Mean 0.2948
Std Dev 4.461


yield_bpm4ecX_rms vs run
χ2 / ndf 3.591e+04 / 80
p0 0.0441 ± 3.502e−05
0.12
0.1
0.08
0.06
0.04

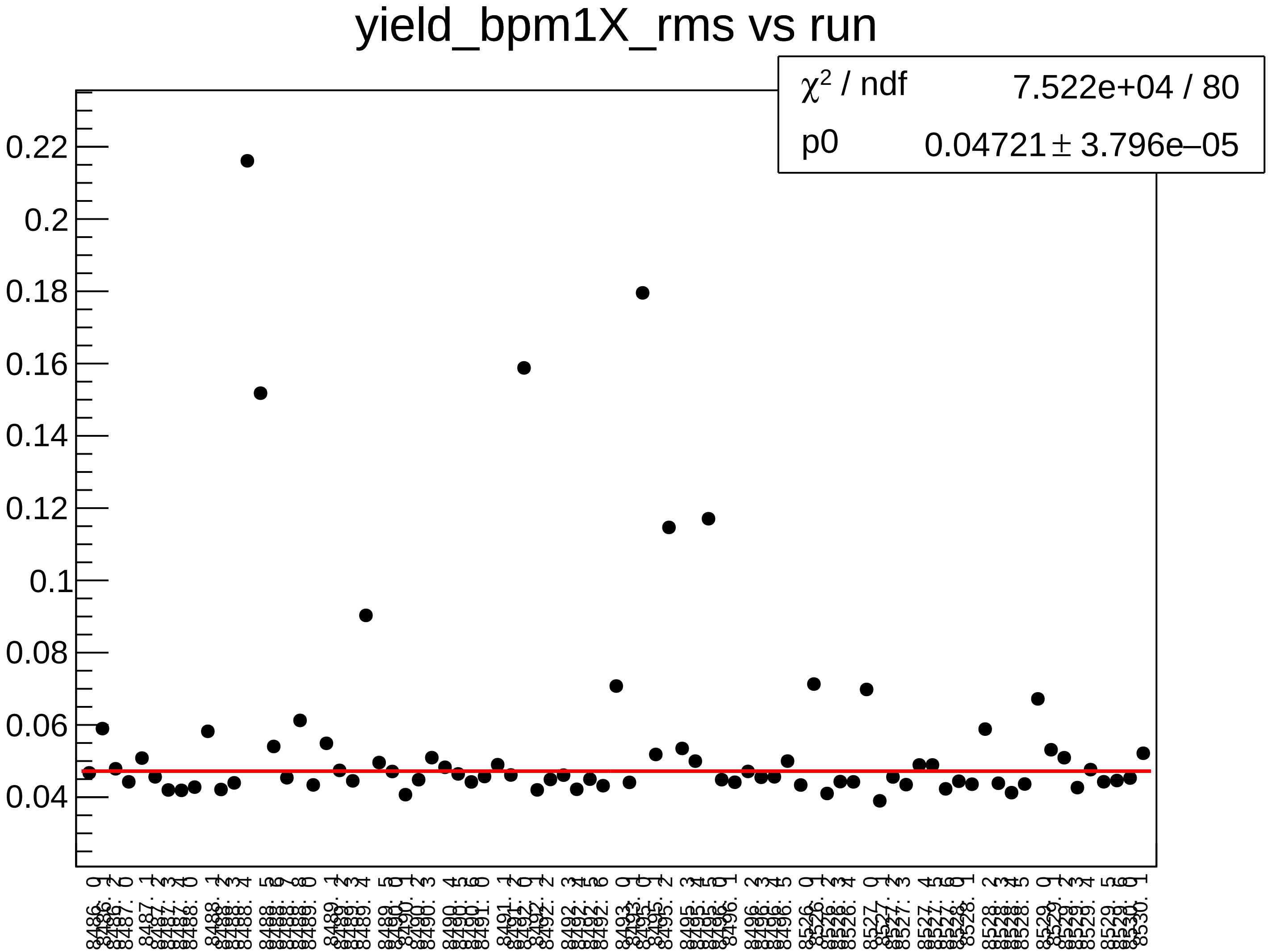


yield_bpm4ecY_mean vs run
χ2 / ndf 7.348e+04 / 80
p0 −0.08773 ± 1.681e−05
pull
Entries 81
Mean 477.6
Std Dev 454.3
pull1D
Entries 81
Mean −0.3675
Std Dev 4.542

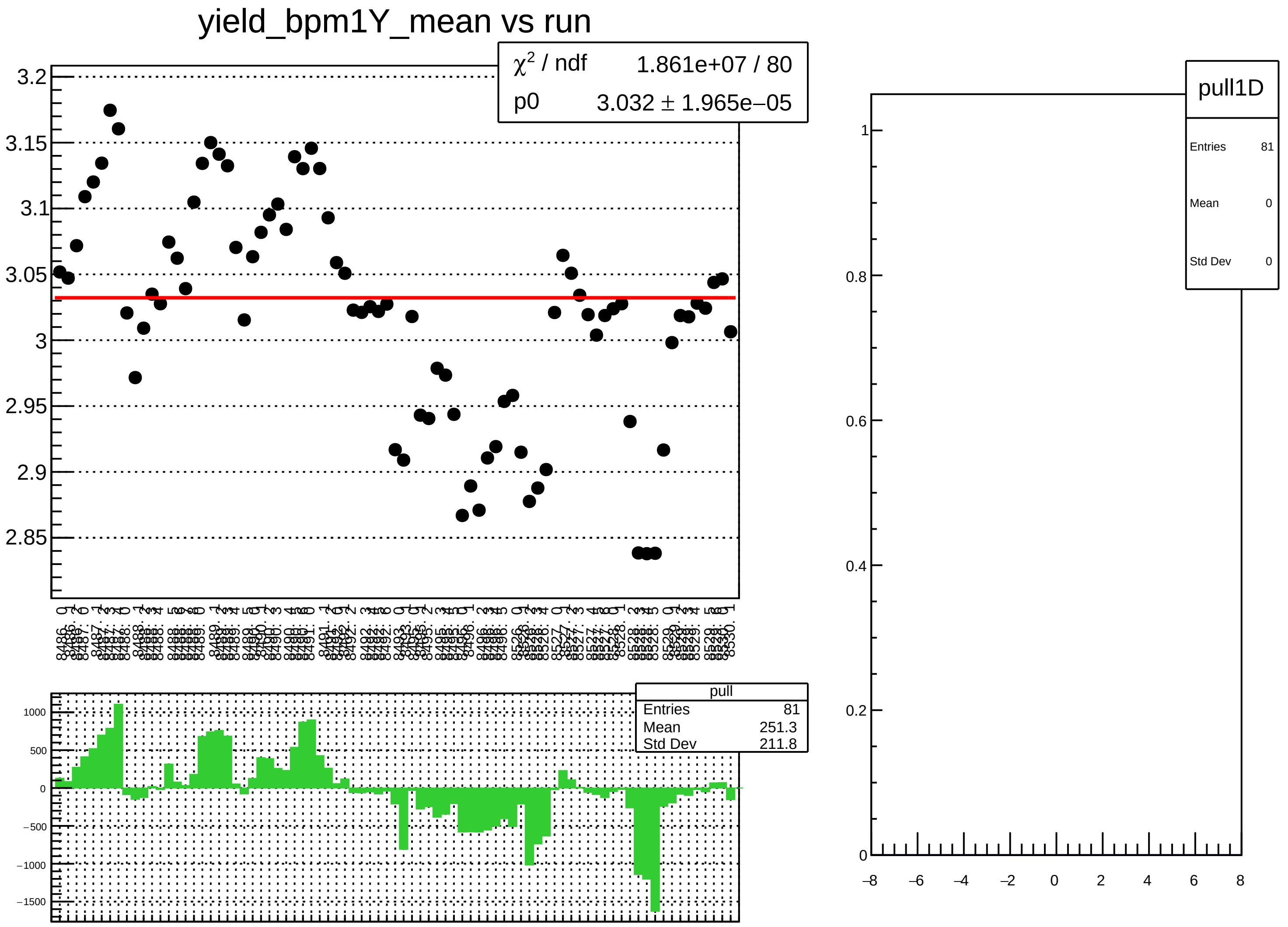

yield_bpm4ecY_rms vs run
χ^2 / ndf 4.081e+04 / 80
p0 0.01495 ± 1.189e−05
0.035
0.03
0.025
0.02
0.015



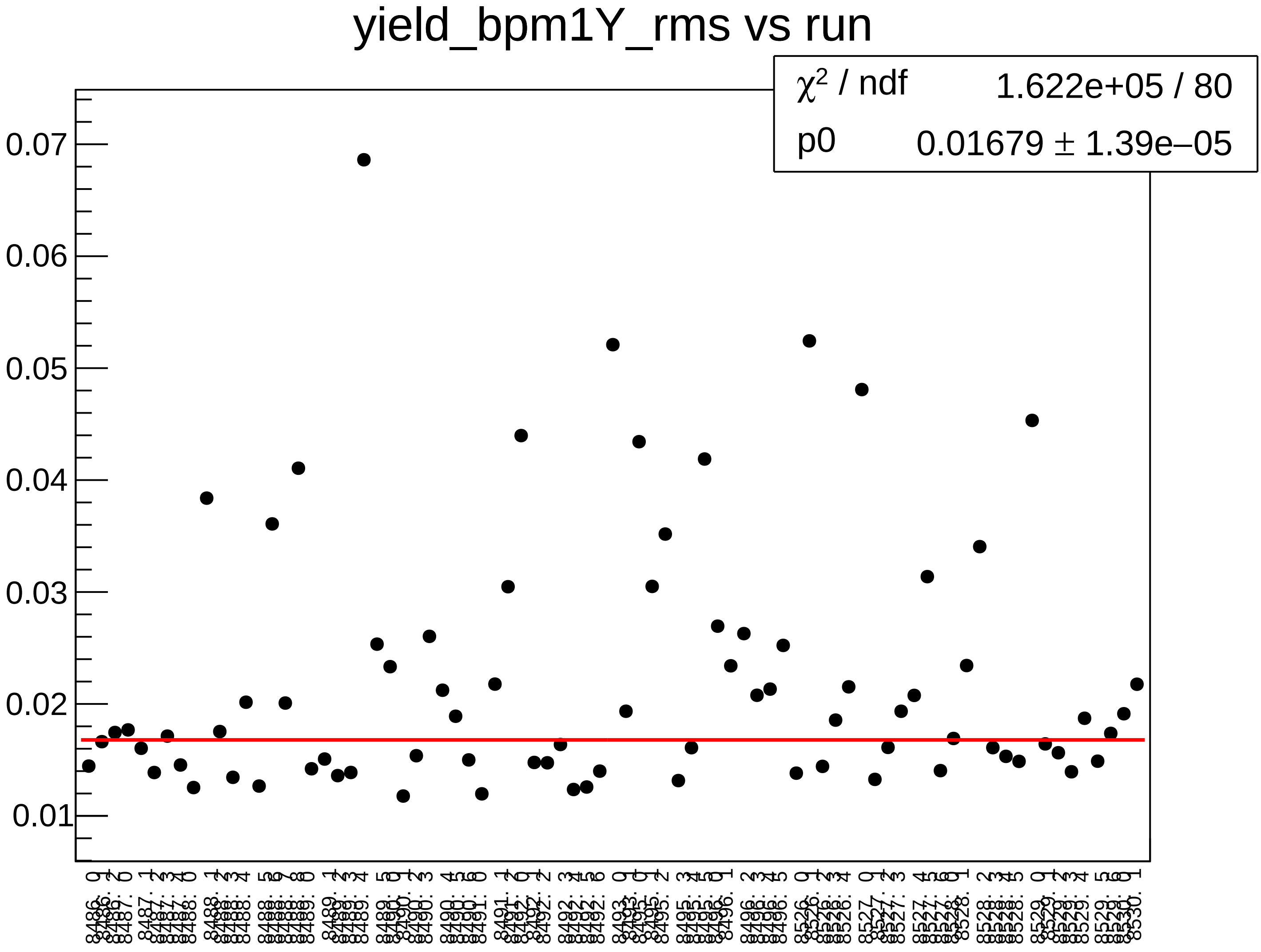
yield_bpm1X_mean vs run
χ2 / ndf 1.709e+08 / 80
p0 −1.719 ± 5.368e−05
pull
Entries 81
Mean −1762
Std Dev 1808
pull1D
Entries 81
Mean 0
Std Dev 0



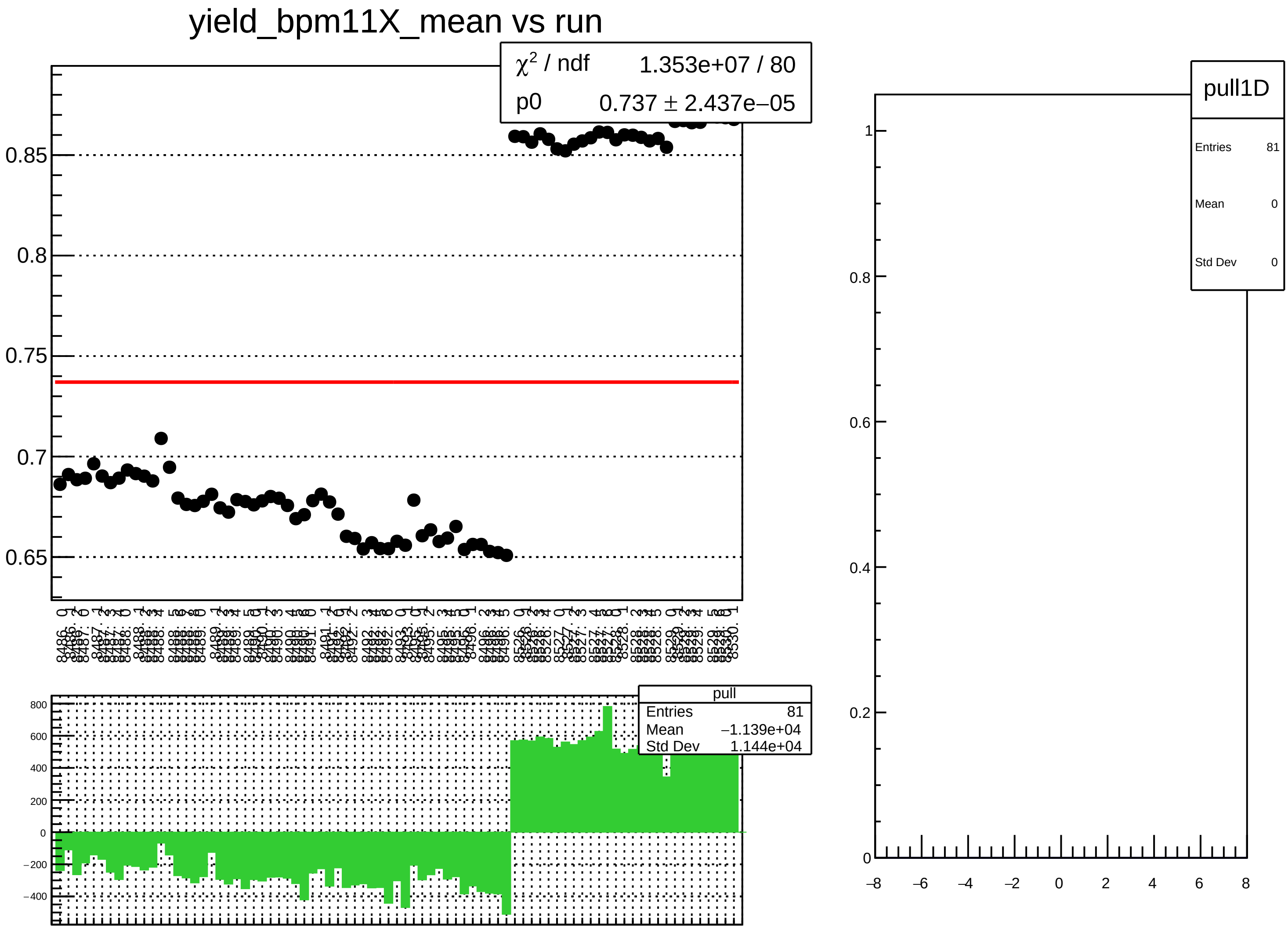
yield_bpm1X_rms vs run
χ^2 / ndf 7.522e+04 / 80
p0 0.04721 ± 3.796e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04



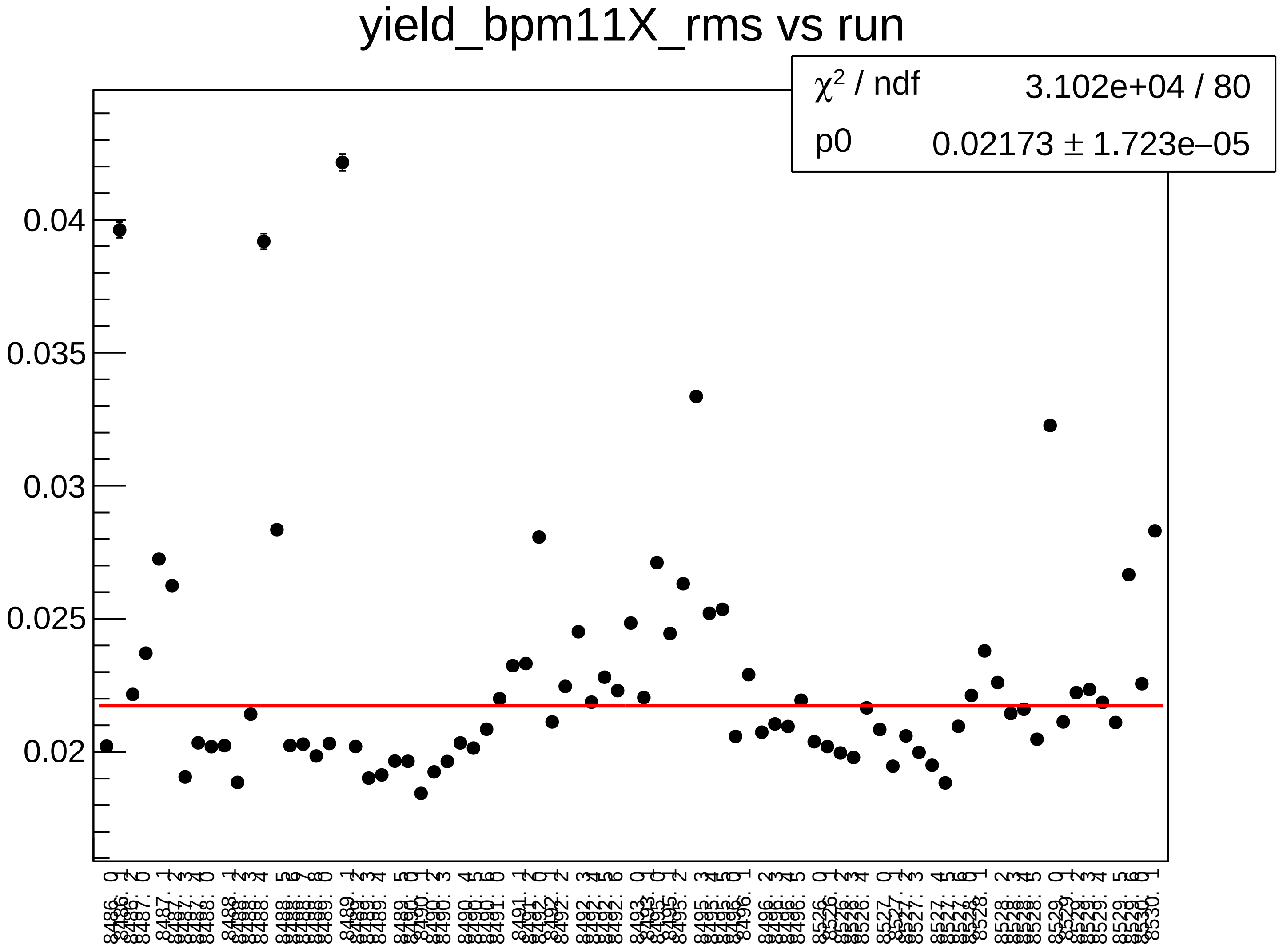
yield_bpm1Y_mean vs run
χ^2 / ndf 1.861e+07 / 80
p0 3.032 ± 1.965e−05
pull
Entries 81
Mean 251.3
Std Dev 211.8
pull1D
Entries 81
Mean 0
Std Dev 0



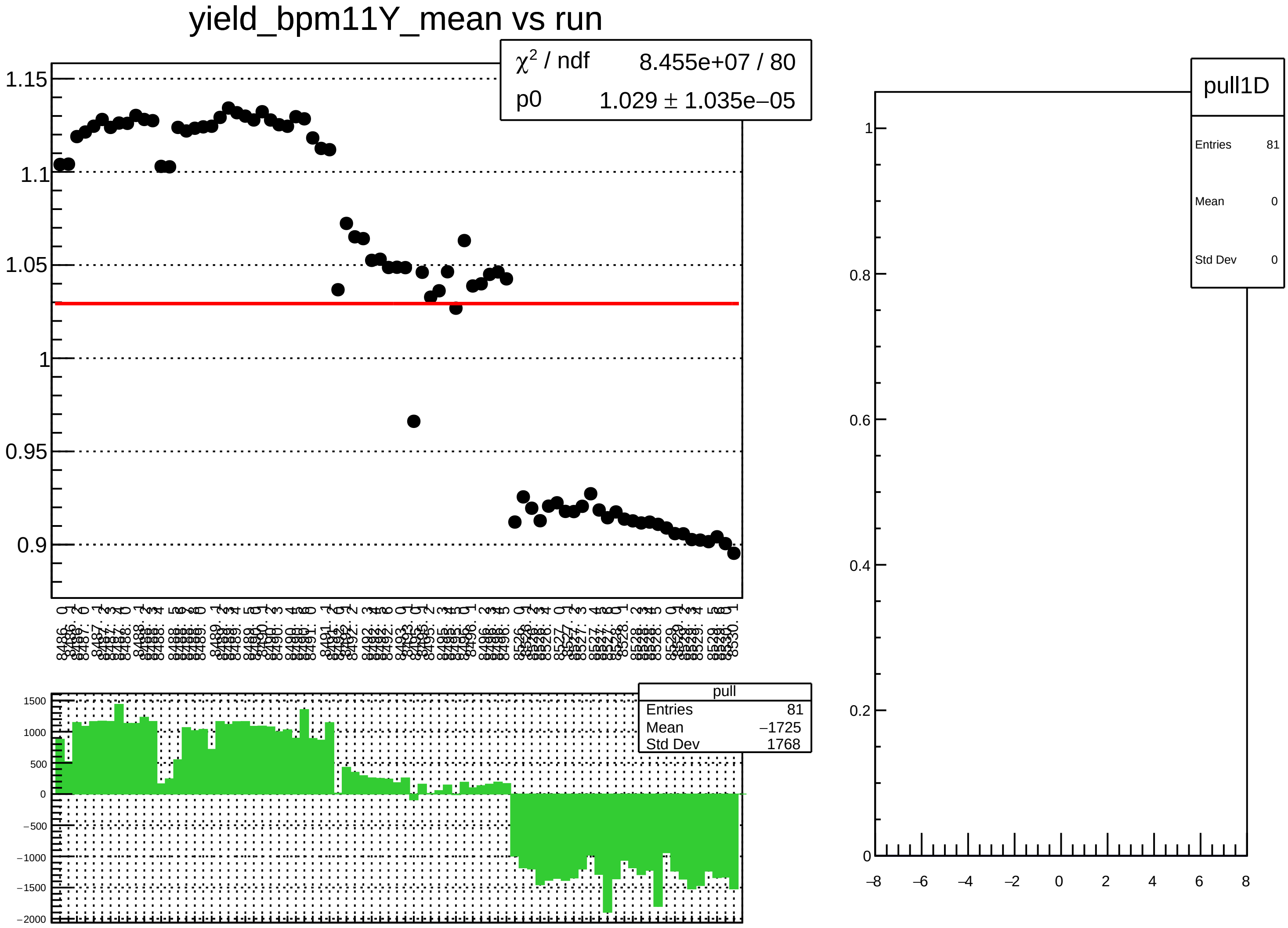
yield_bpm1Y_rms vs run
χ^2 / ndf 1.622e+05 / 80
p0 0.01679 ± 1.39e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01



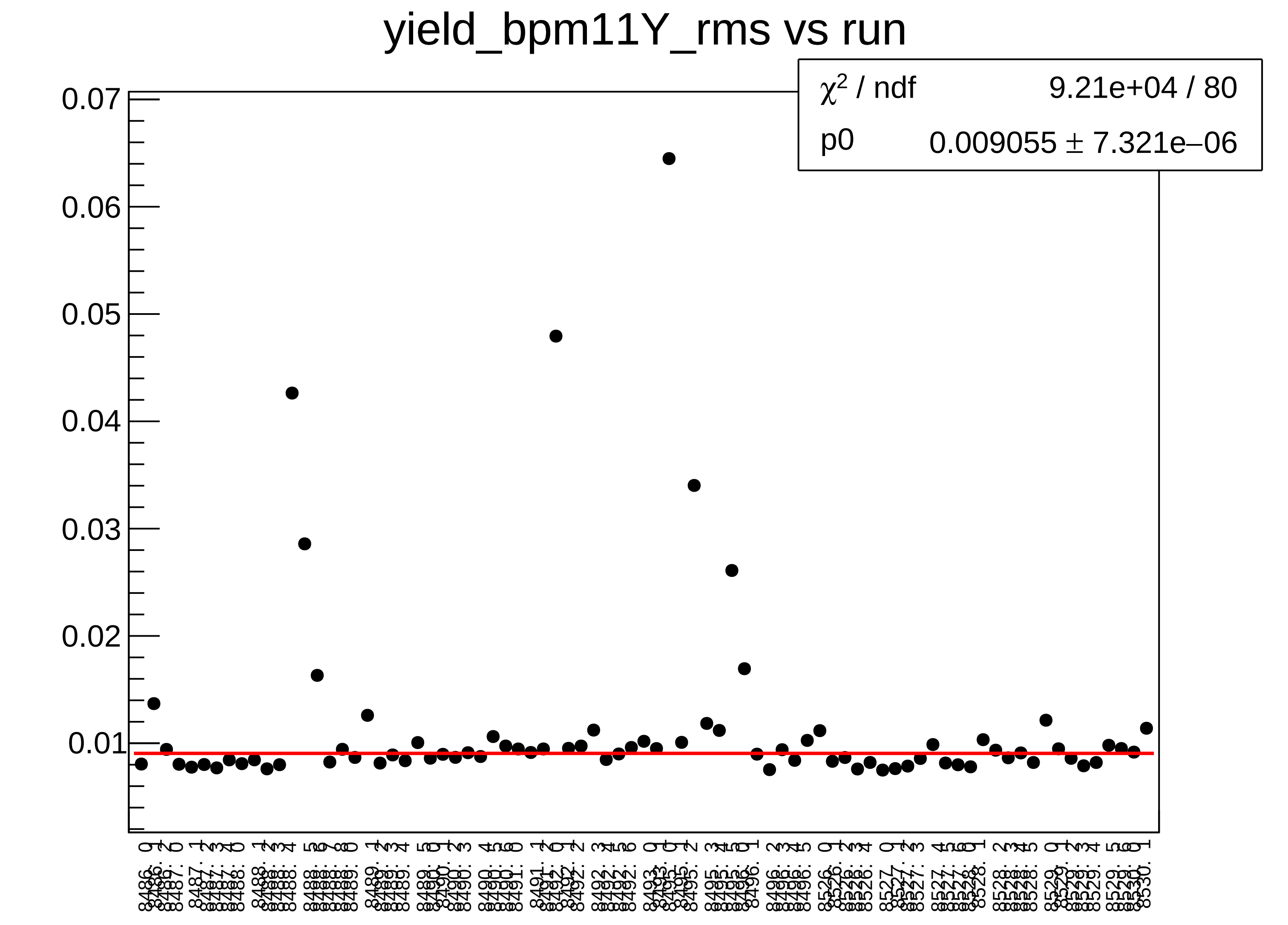
yield_bpm11X_mean vs run
χ^2 / ndf 1.353e+07 / 80
p0 0.737 ± 2.437e−05
pull
Entries 81
Mean −1.139e+04
Std Dev 1.144e+04
pull1D
Entries 81
Mean 0
Std Dev 0



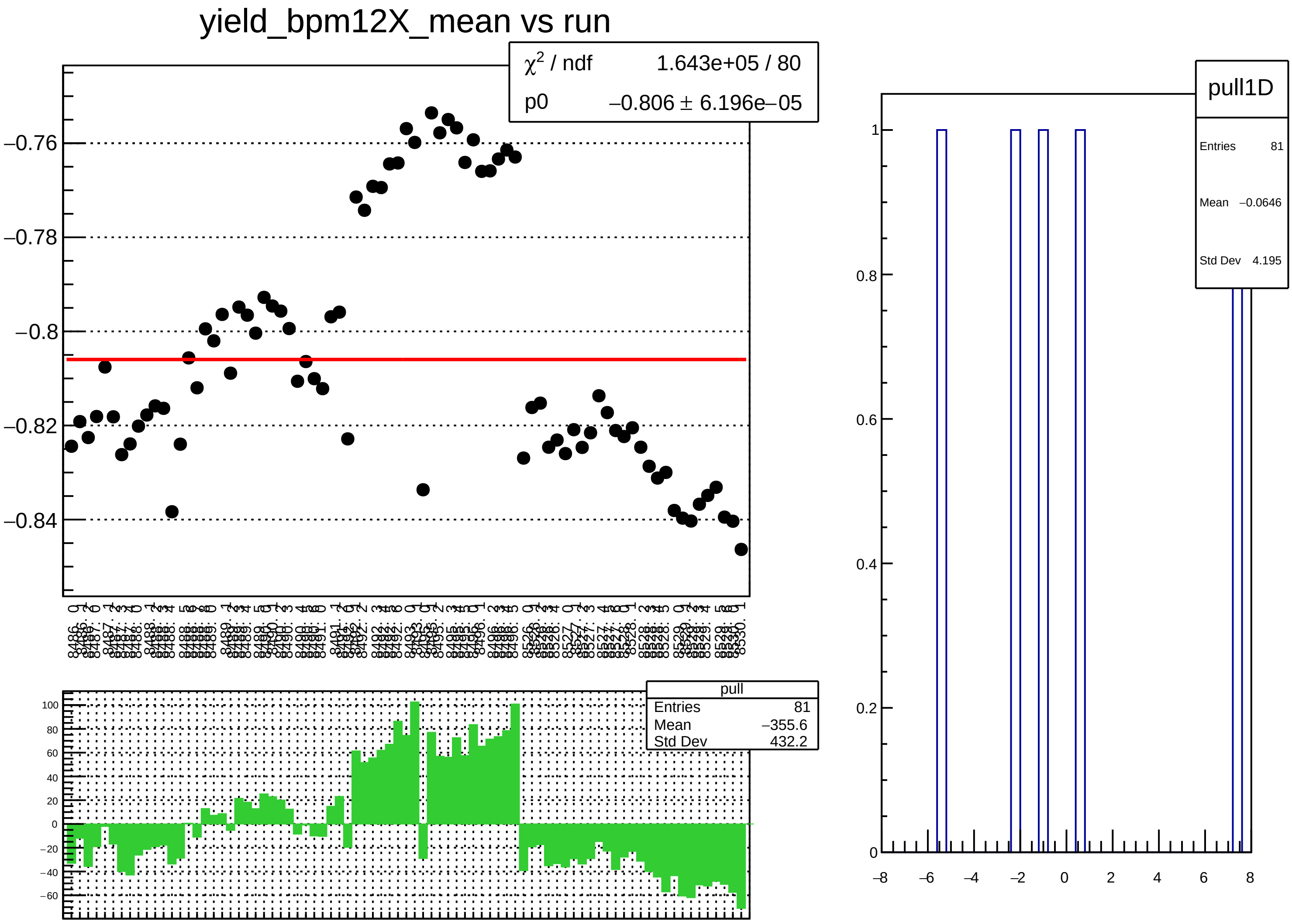
yield_bpm11X_rms vs run
χ^2 / ndf 3.102e+04 / 80
p0 0.02173 ± 1.723e−05
0.04
0.035
0.03
0.025
0.02



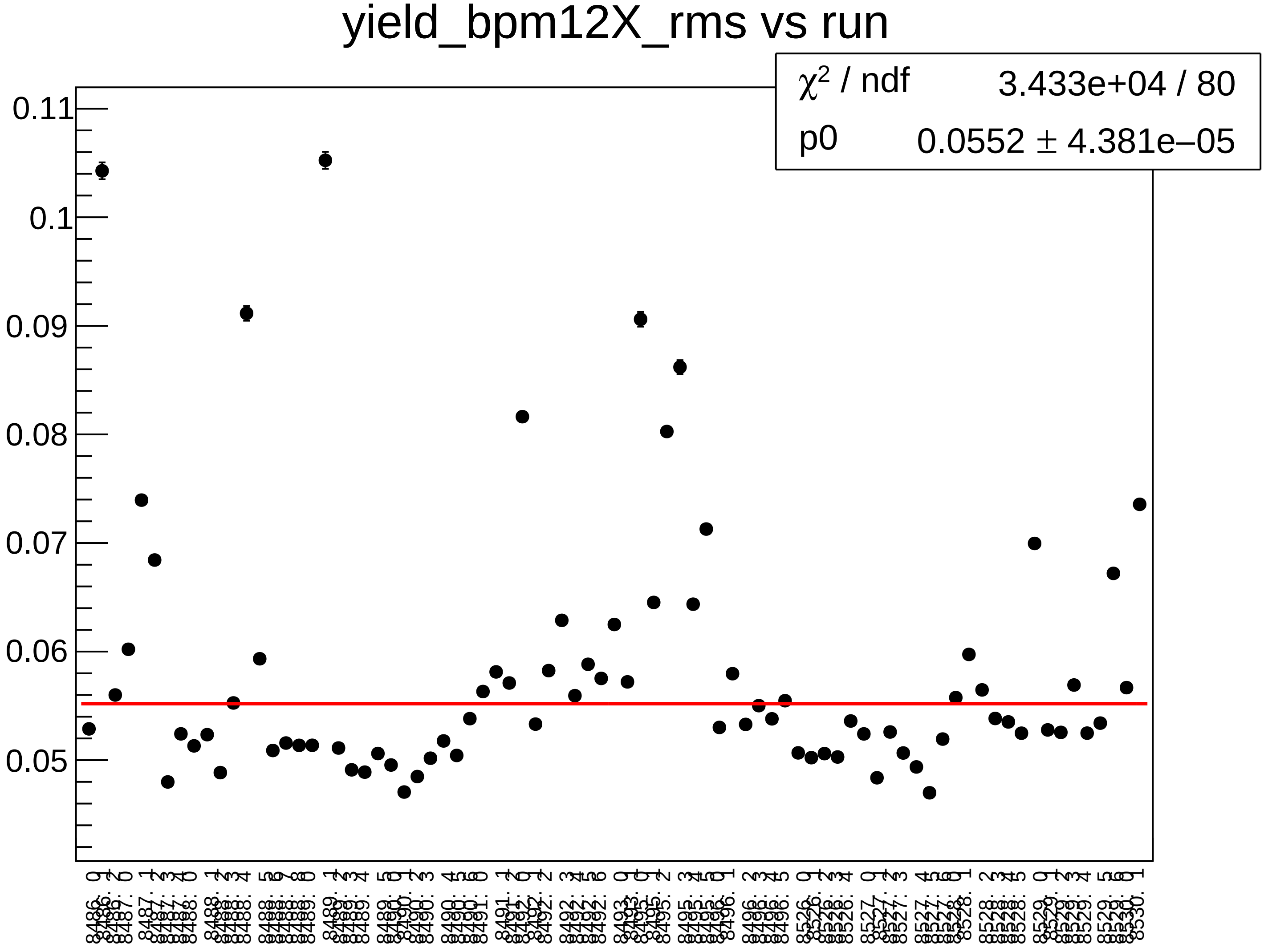
yield_bpm11Y_mean vs run
χ^2 / ndf 8.455e+07 / 80
p0 1.029 ± 1.035e−05
pull
Entries 81
Mean −1725
Std Dev 1768
pull1D
Entries 81
Mean 0
Std Dev 0



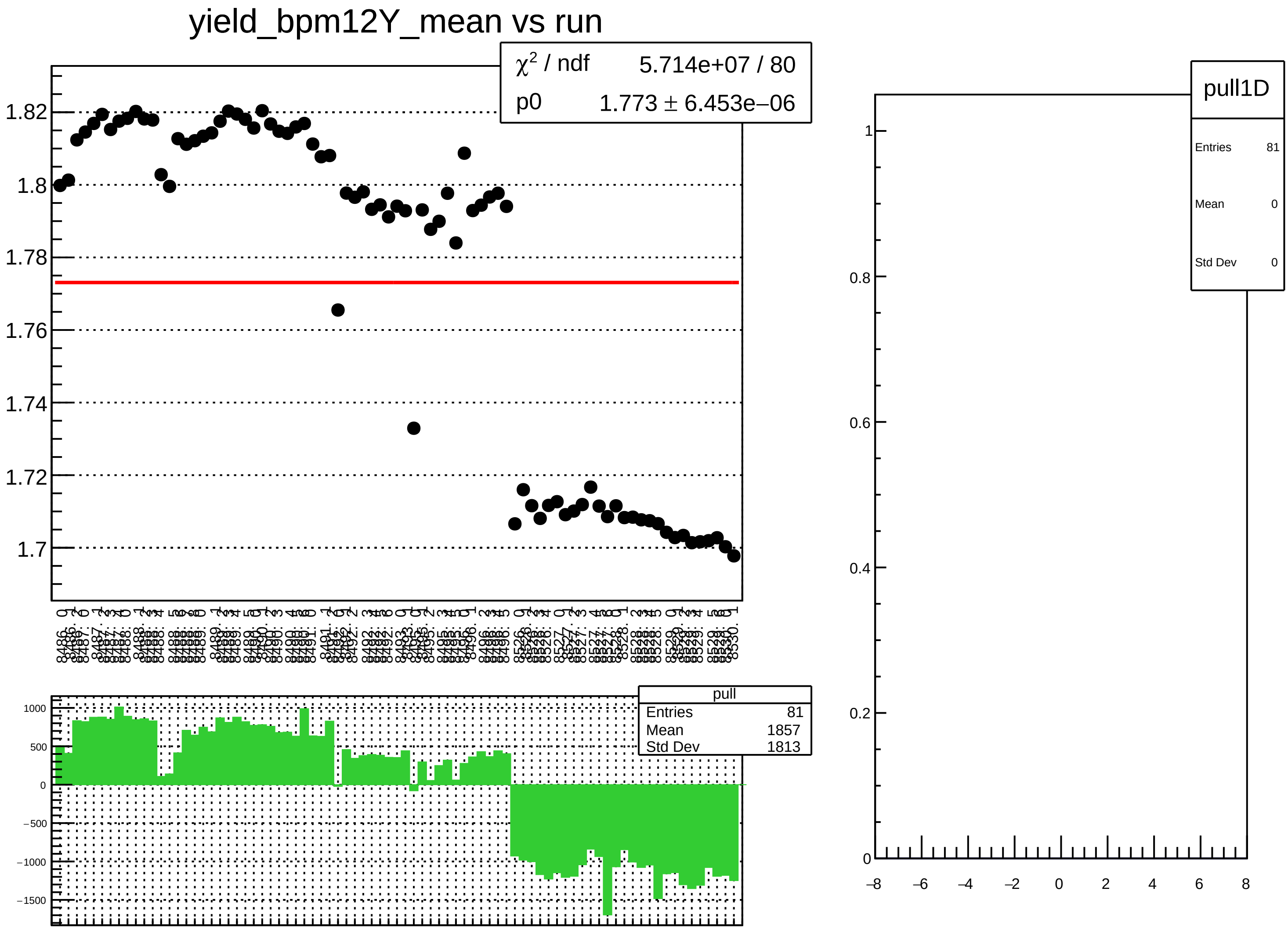
yield_bpm11Y_rms vs run
χ^2 / ndf 9.21e+04 / 80
p0 0.009055 ± 7.321e−06
0.07
0.06
0.05
0.04
0.03
0.02
0.01



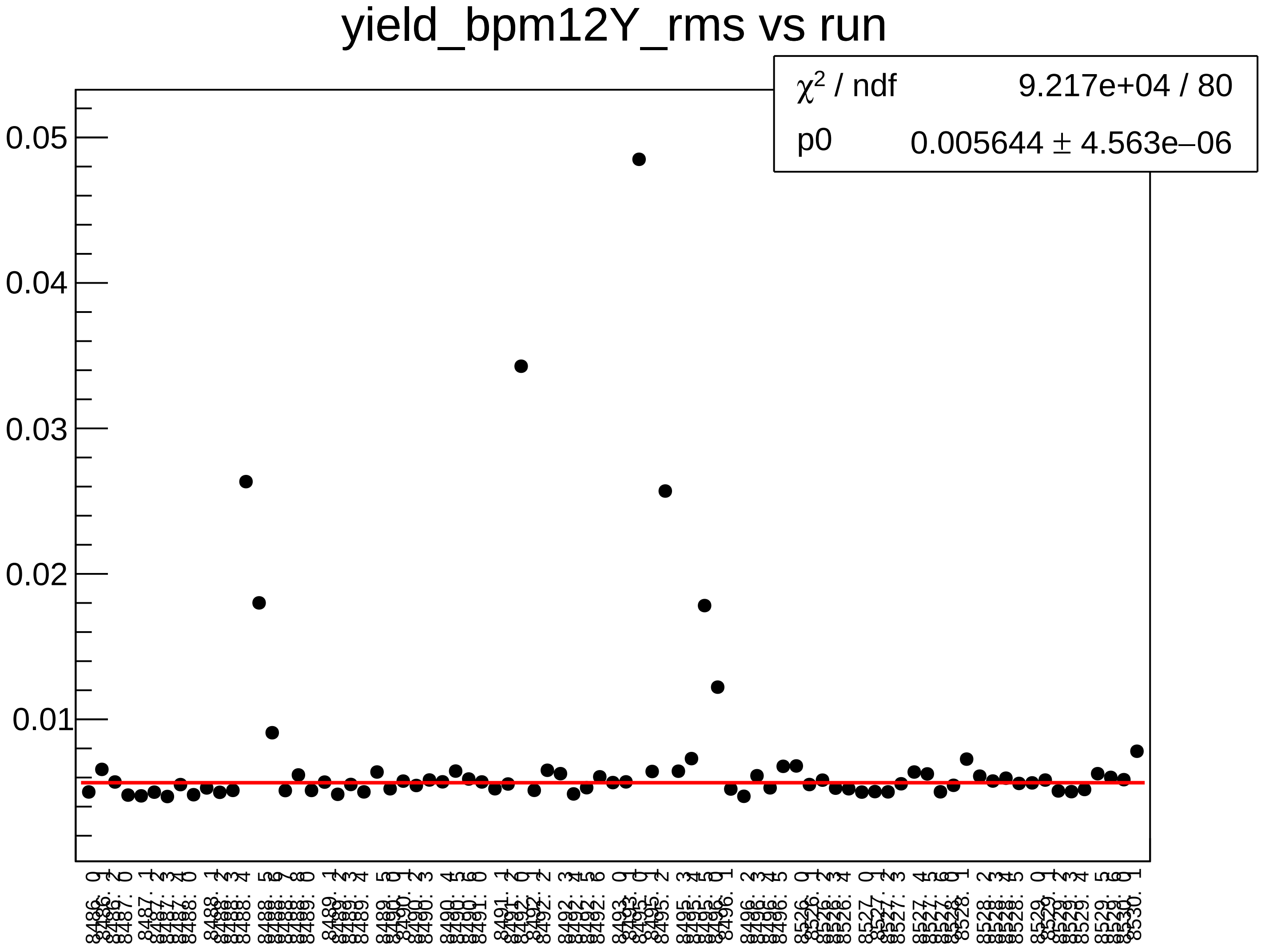
yield_bpm12X_mean vs run
χ^2 / ndf 1.643e+05 / 80
p0 −0.806 ± 6.196e−05
pull
Entries 81
Mean −355.6
Std Dev 432.2
pull1D
Entries 81
Mean −0.0646
Std Dev 4.195



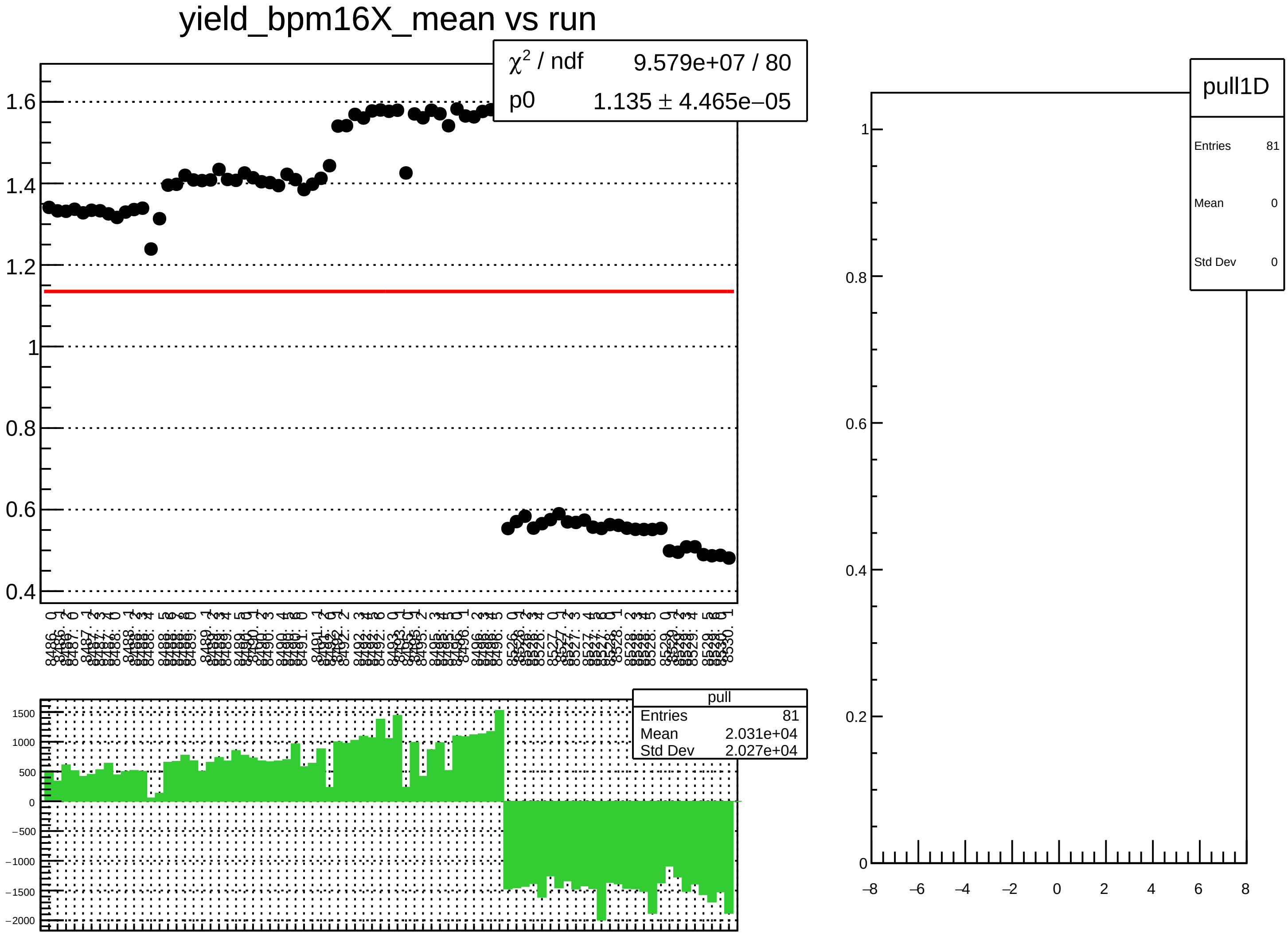
yield_bpm12X_rms vs run
χ^2 / ndf 3.433e+04 / 80
p0 0.0552 ± 4.381e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05



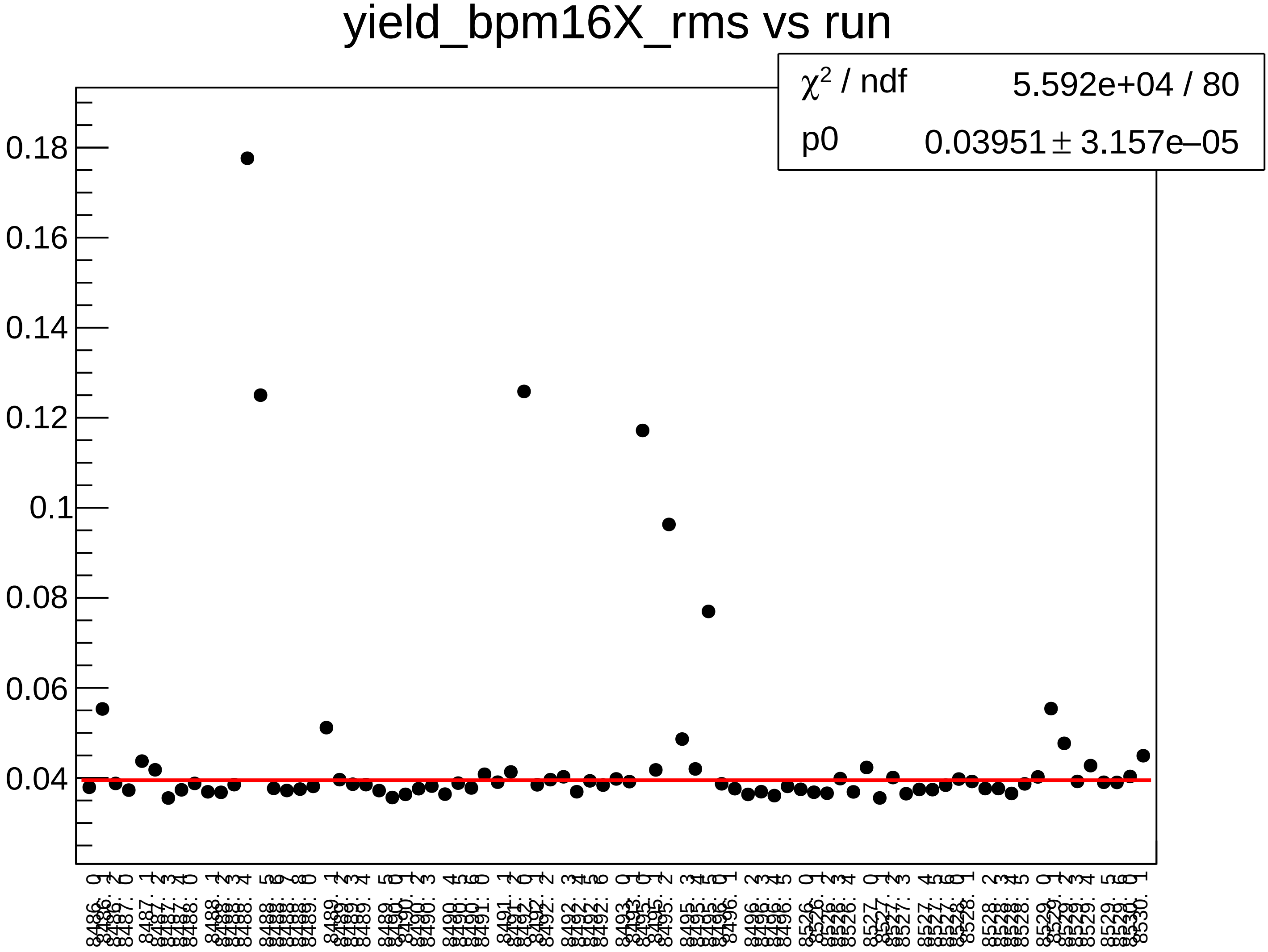
yield_bpm12Y_mean vs run
χ^2 / ndf 5.714e+07 / 80
p0 1.773 ± 6.453e−06
pull
Entries 81
Mean 1857
Std Dev 1813
pull1D
Entries 81
Mean 0
Std Dev 0

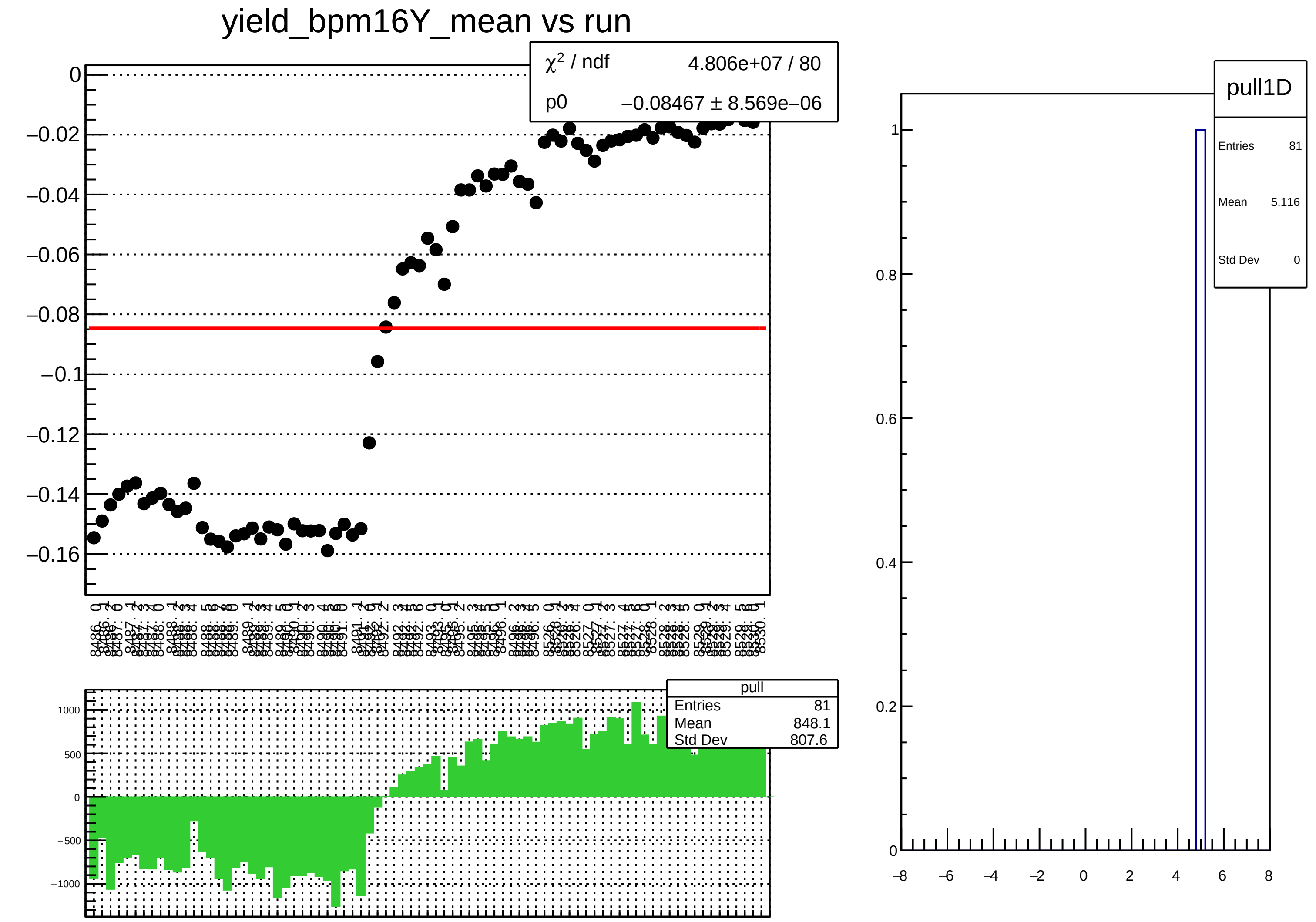


yield_bpm12Y_rms vs run
χ² / ndf 9.217e+04 / 80
p0 0.005644 ± 4.563e−06
0.05
0.04
0.03
0.02
0.01

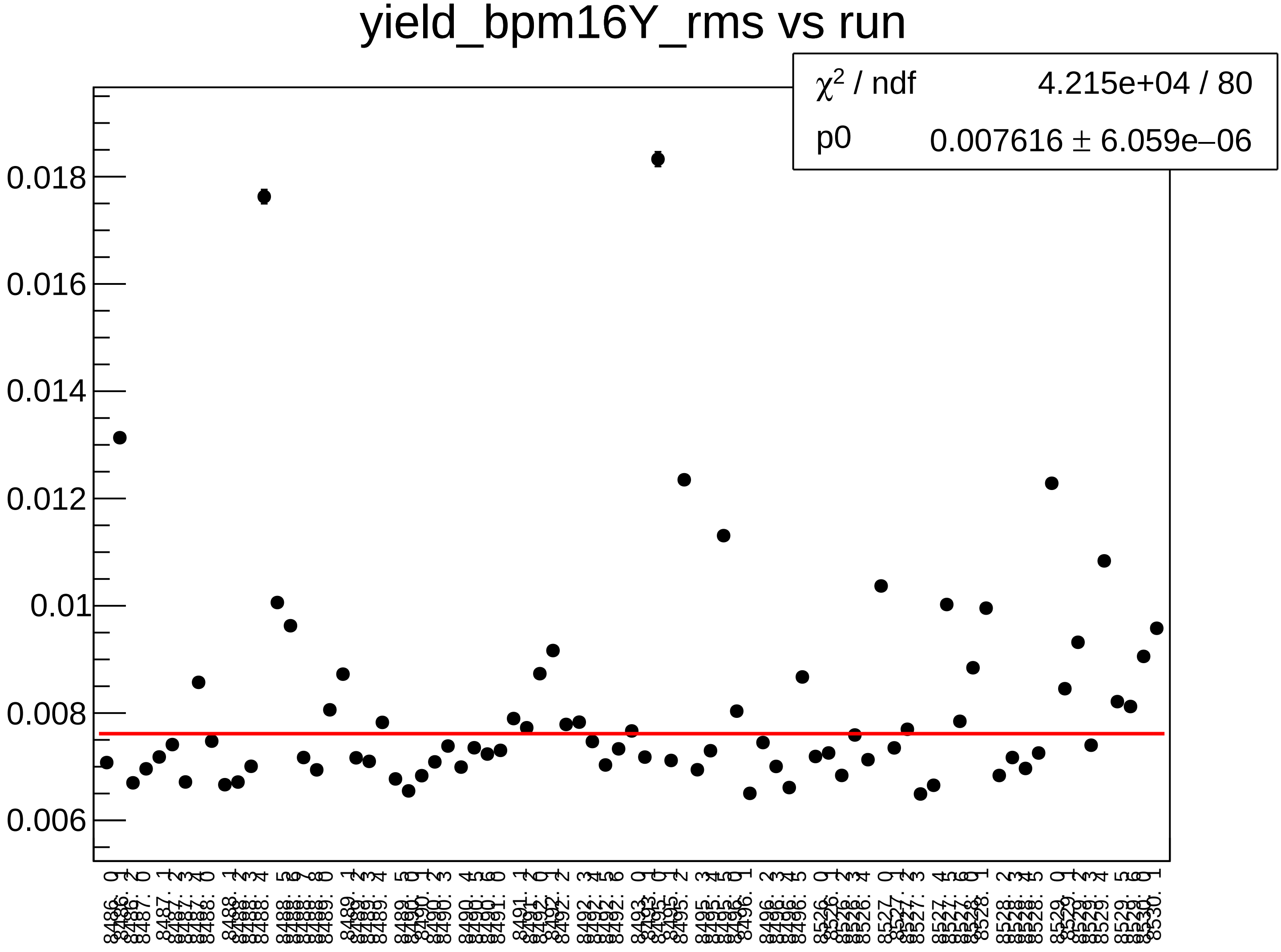


yield_bpm16X_mean vs run
χ^2 / ndf 9.579e+07 / 80
p0 1.135 ± 4.465e−05
pull
Entries 81
Mean 2.031e+04
Std Dev 2.027e+04
pull1D
Entries 81
Mean 0
Std Dev 0

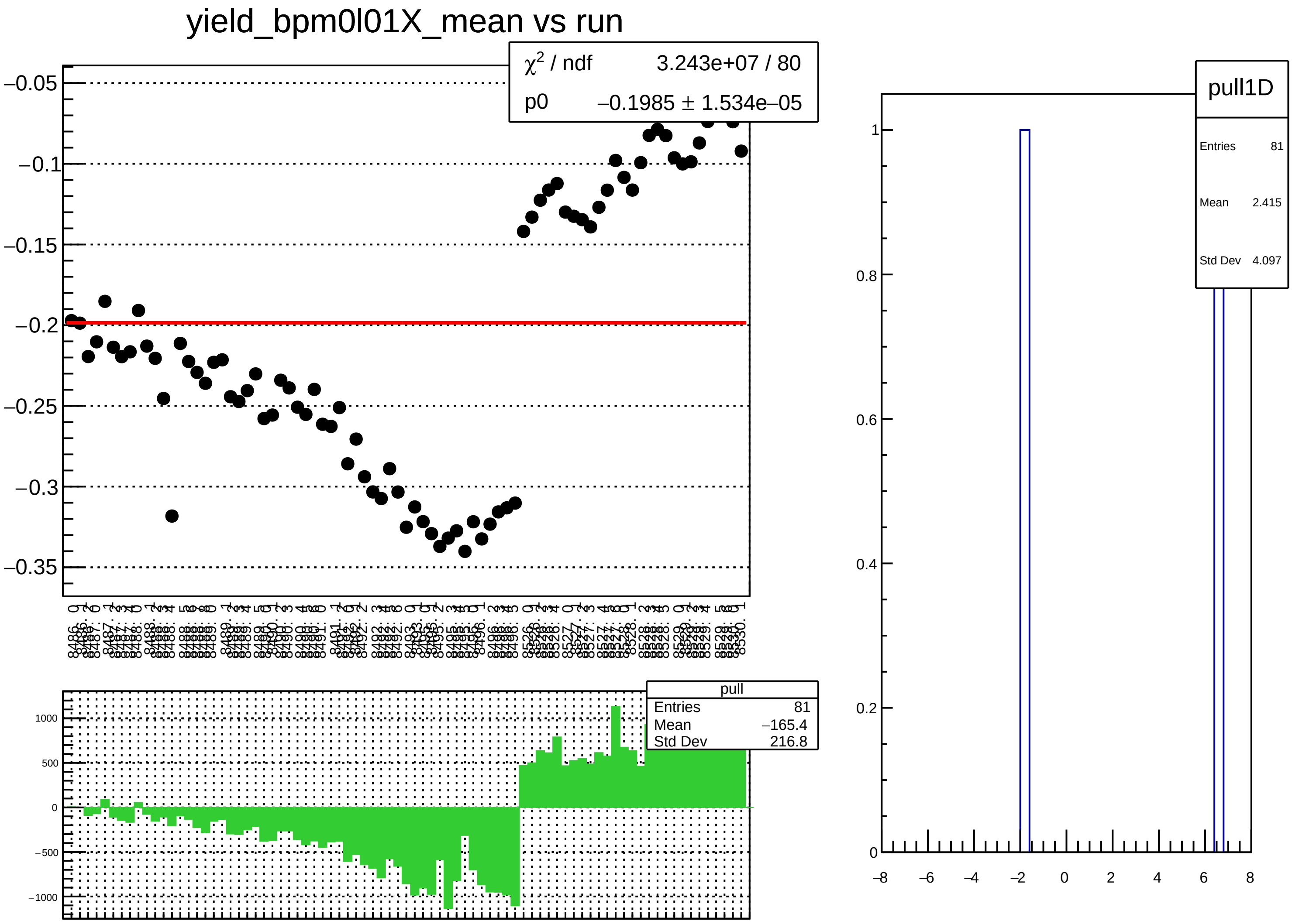

yield_bpm16X_rms vs run
χ^2 / ndf 5.592e+04 / 80
p0 0.03951 ± 3.157e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04



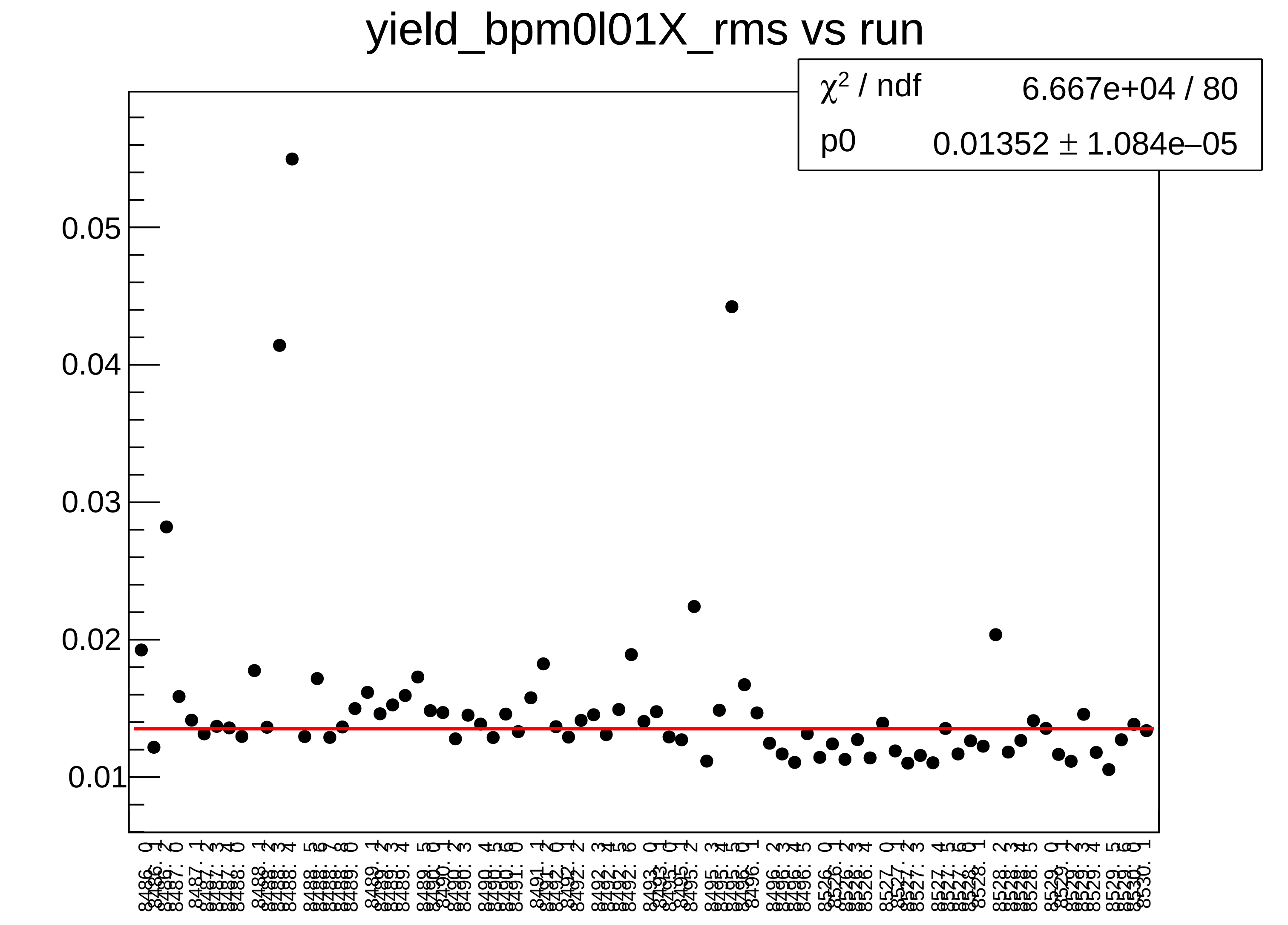
yield_bpm16Y_mean vs run
χ² / ndf 4.806e+07 / 80
p0 −0.08467 ± 8.569e−06
pull
Entries 81
Mean 848.1
Std Dev 807.6
pull1D
Entries 81
Mean 5.116
Std Dev 0

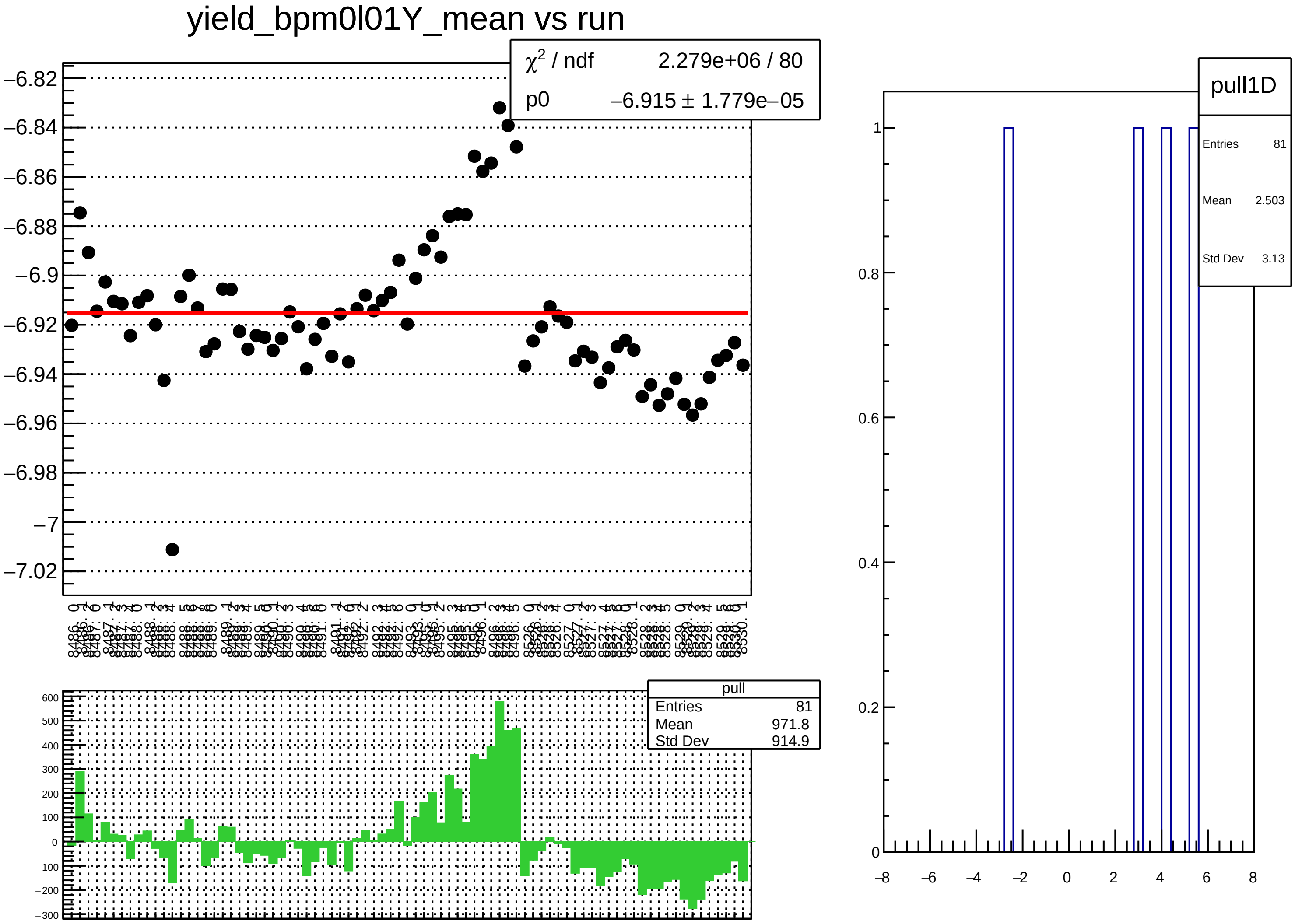


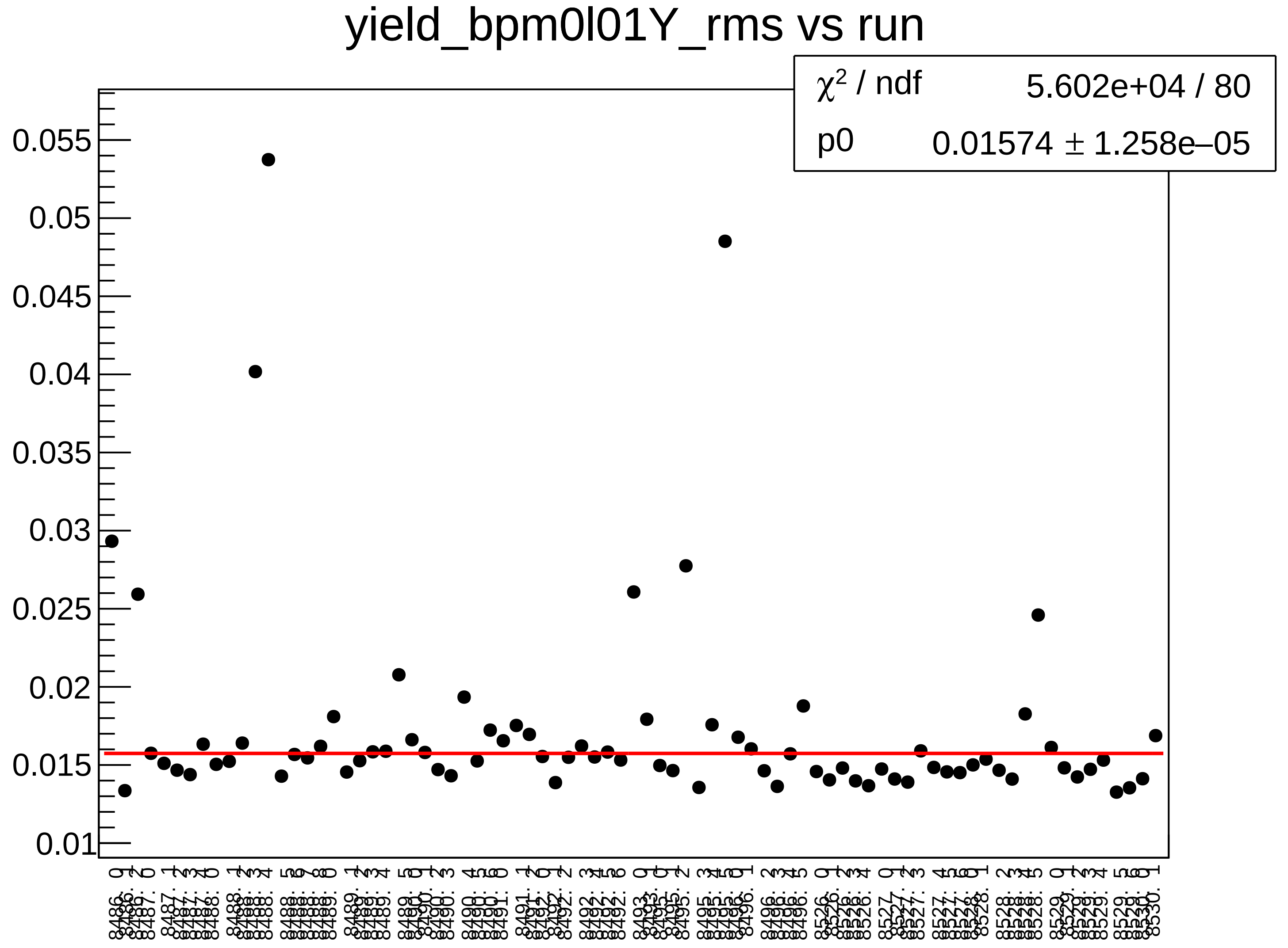
yield_bpm16Y_rms vs run
χ^2 / ndf 4.215e+04 / 80
p0 0.007616 ± 6.059e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006



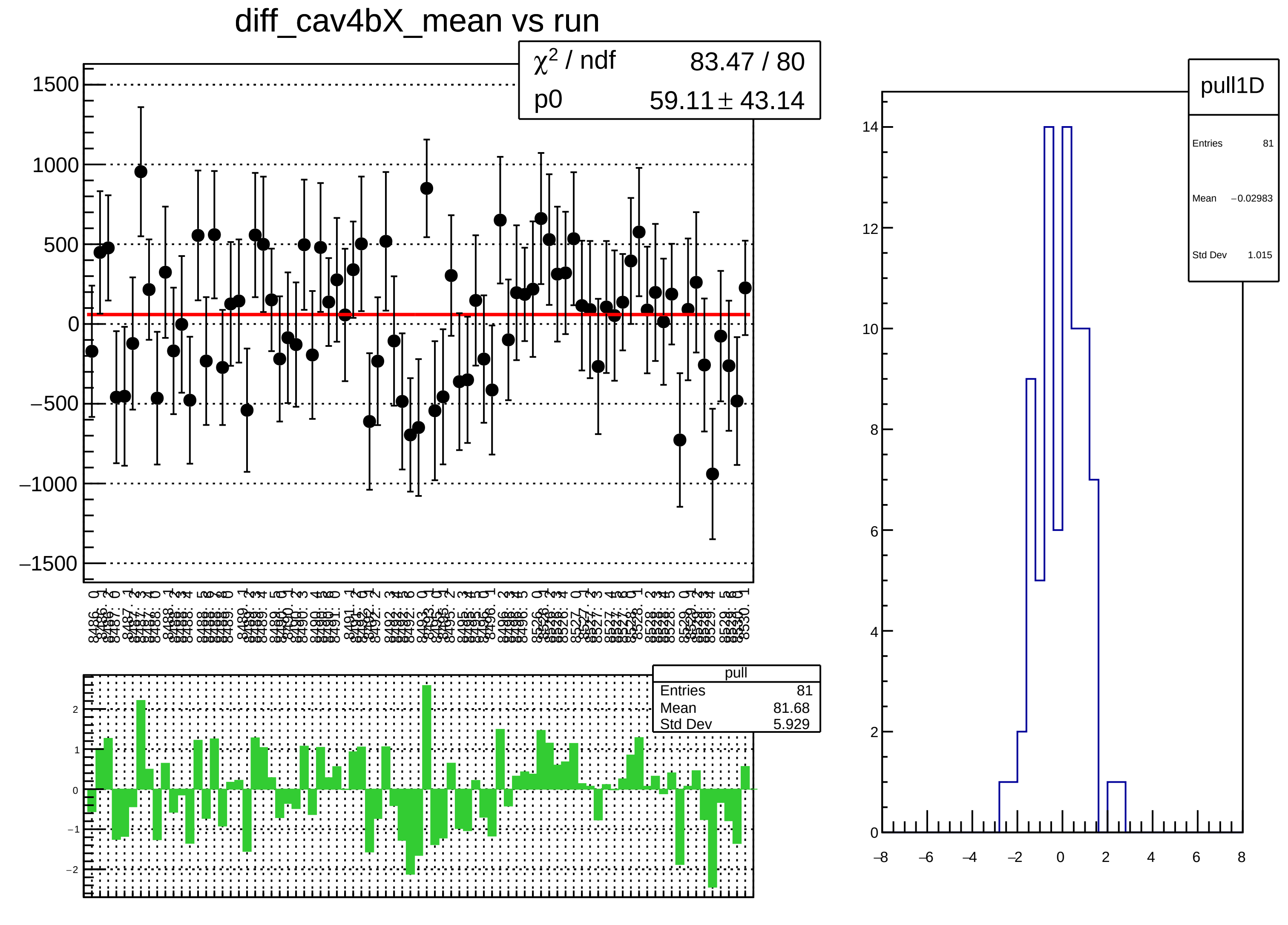
yield_bpm0l01X_mean vs run
χ^2 / ndf 3.243e+07 / 80
p0 −0.1985 ± 1.534e−05
pull
Entries 81
Mean −165.4
Std Dev 216.8
pull1D
Entries 81
Mean 2.415
Std Dev 4.097


yield_bpm0l01X_rms vs run
χ^2 / ndf 6.667e+04 / 80
p0 0.01352 ± 1.084e−05
0.05
0.04
0.03
0.02
0.01

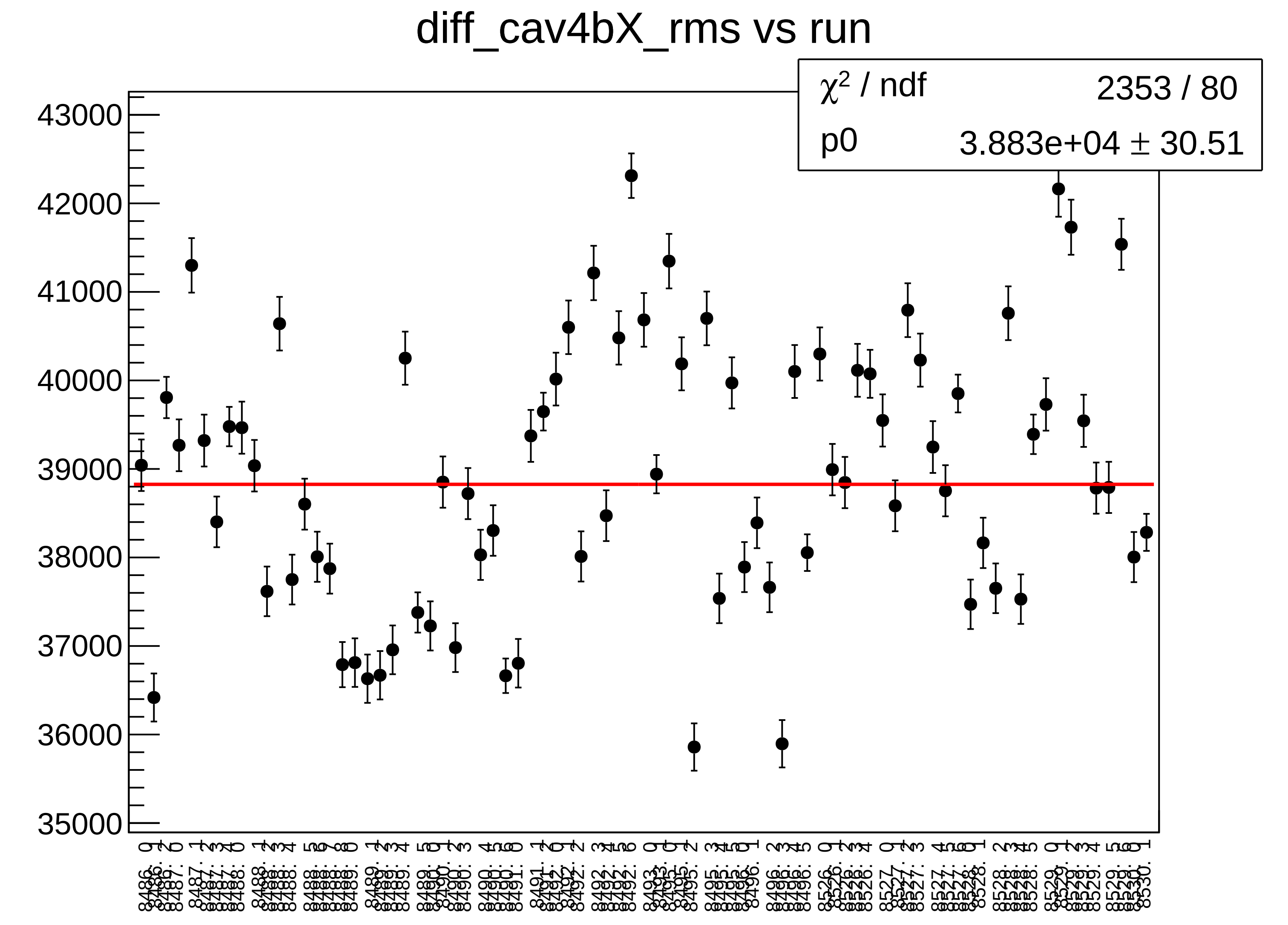

yield_bpm0l01Y_mean vs run
χ^2 / ndf 2.279e+06 / 80
p0 −6.915 ± 1.779e−05
pull
Entries 81
Mean 971.8
Std Dev 914.9
pull1D
Entries 81
Mean 2.503
Std Dev 3.13

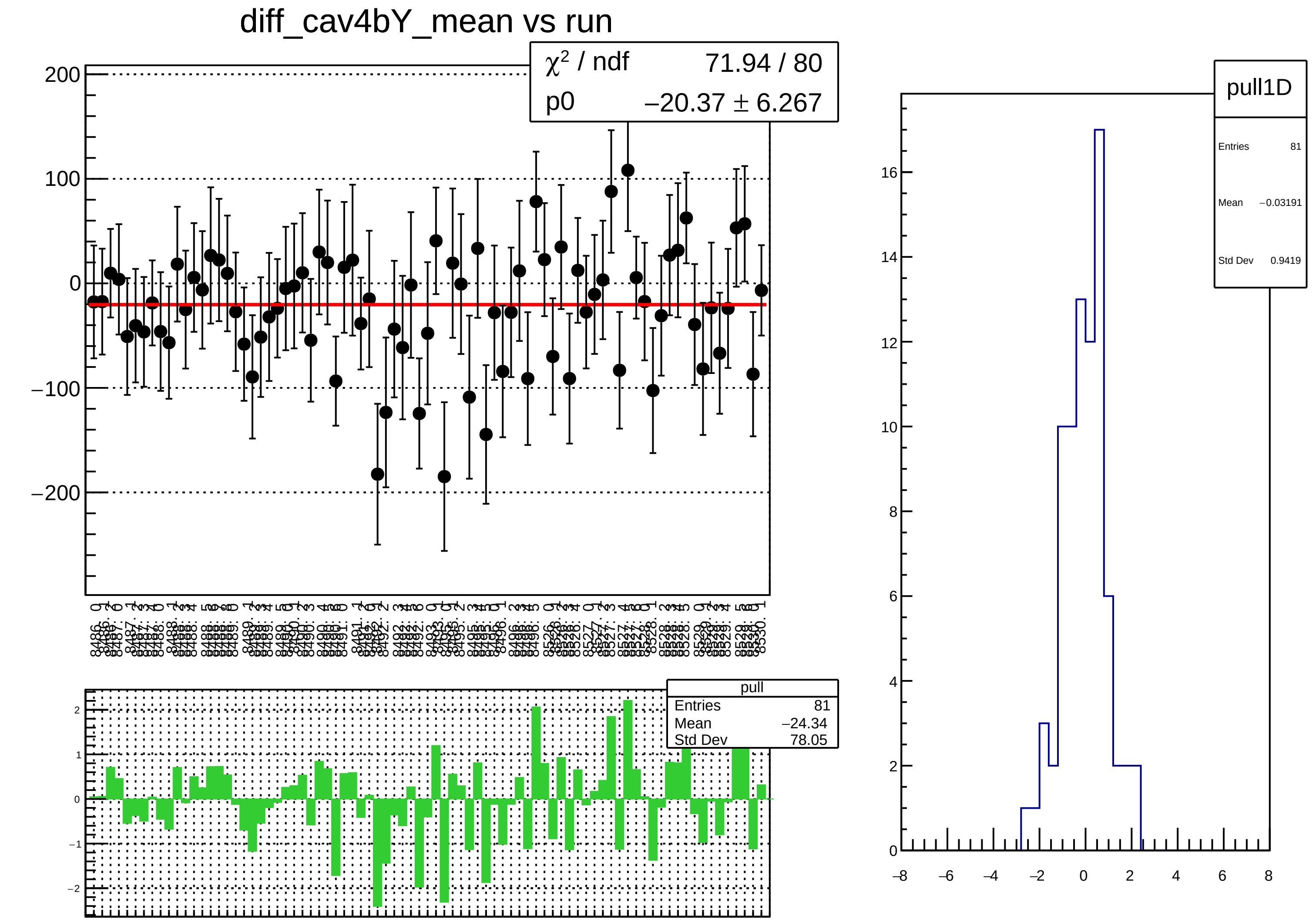


yield_bpm0l01Y_rms vs run
χ2 / ndf 5.602e+04 / 80
p0 0.01574 ± 1.258e−05

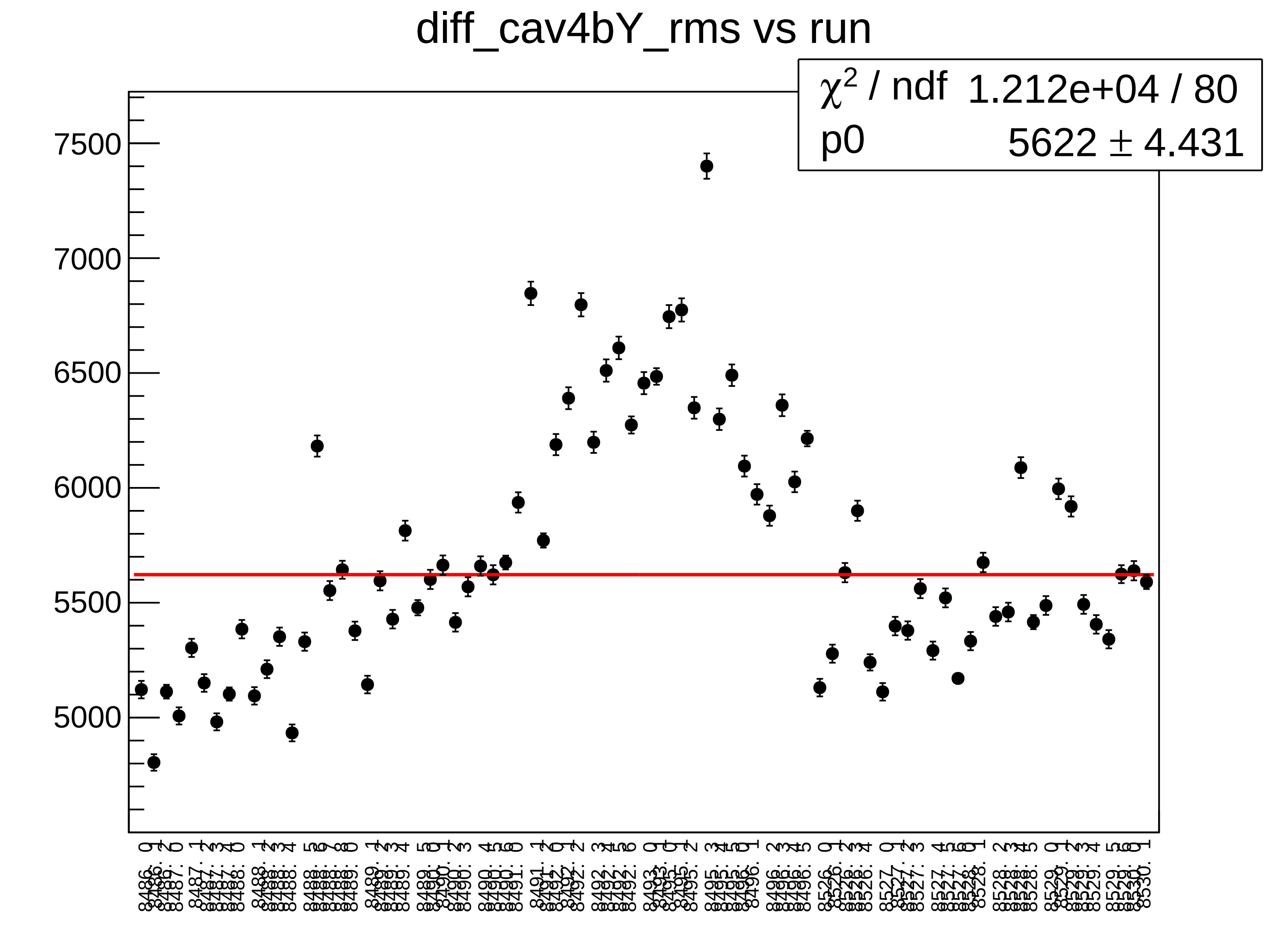


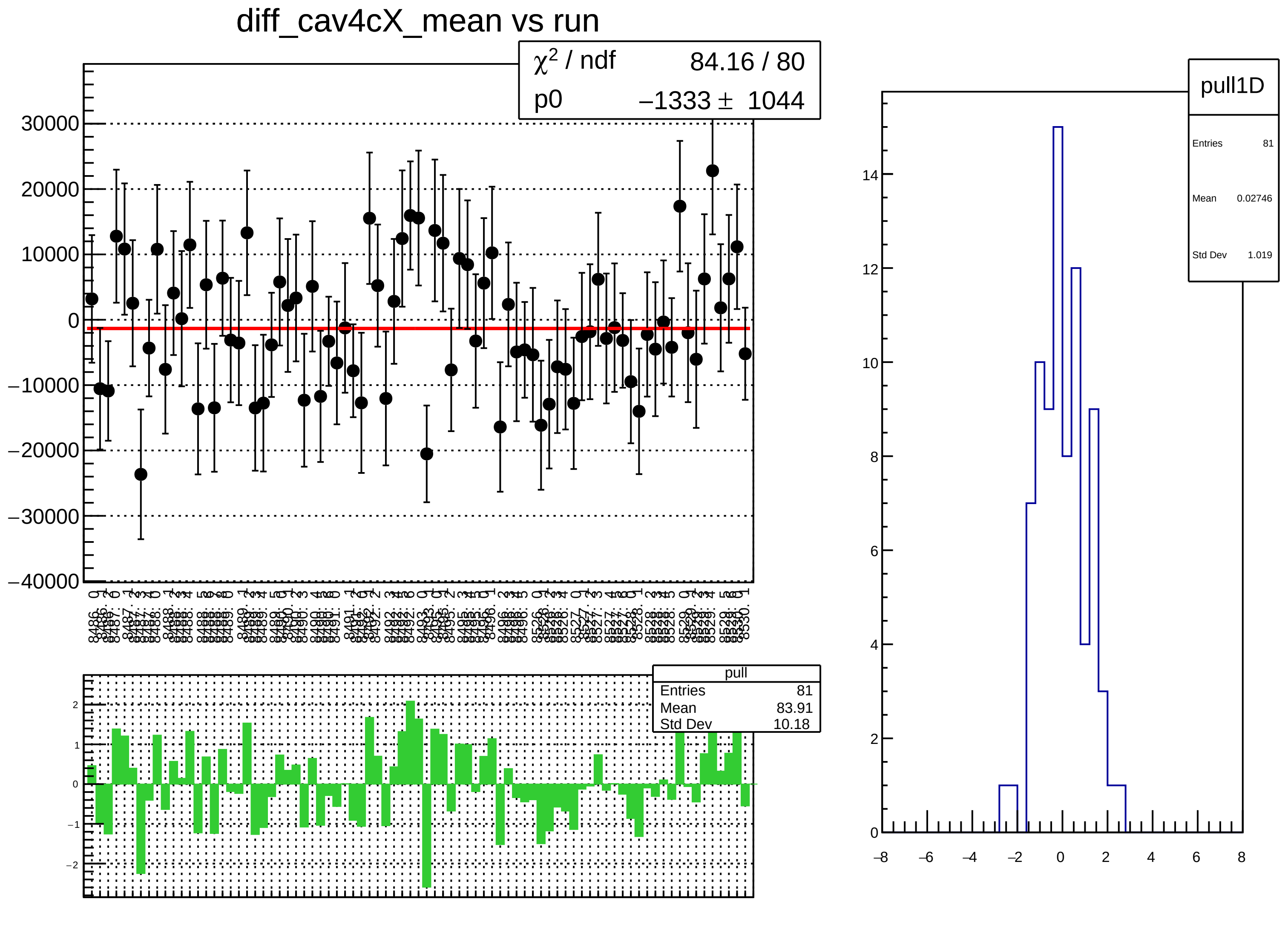
diff_cav4bX_mean vs run
χ^2 / ndf 83.47 / 80
p0 59.11 ± 43.14
pull
Entries 81
Mean 81.68
Std Dev 5.929
pull1D
Entries 81
Mean −0.02983
Std Dev 1.015

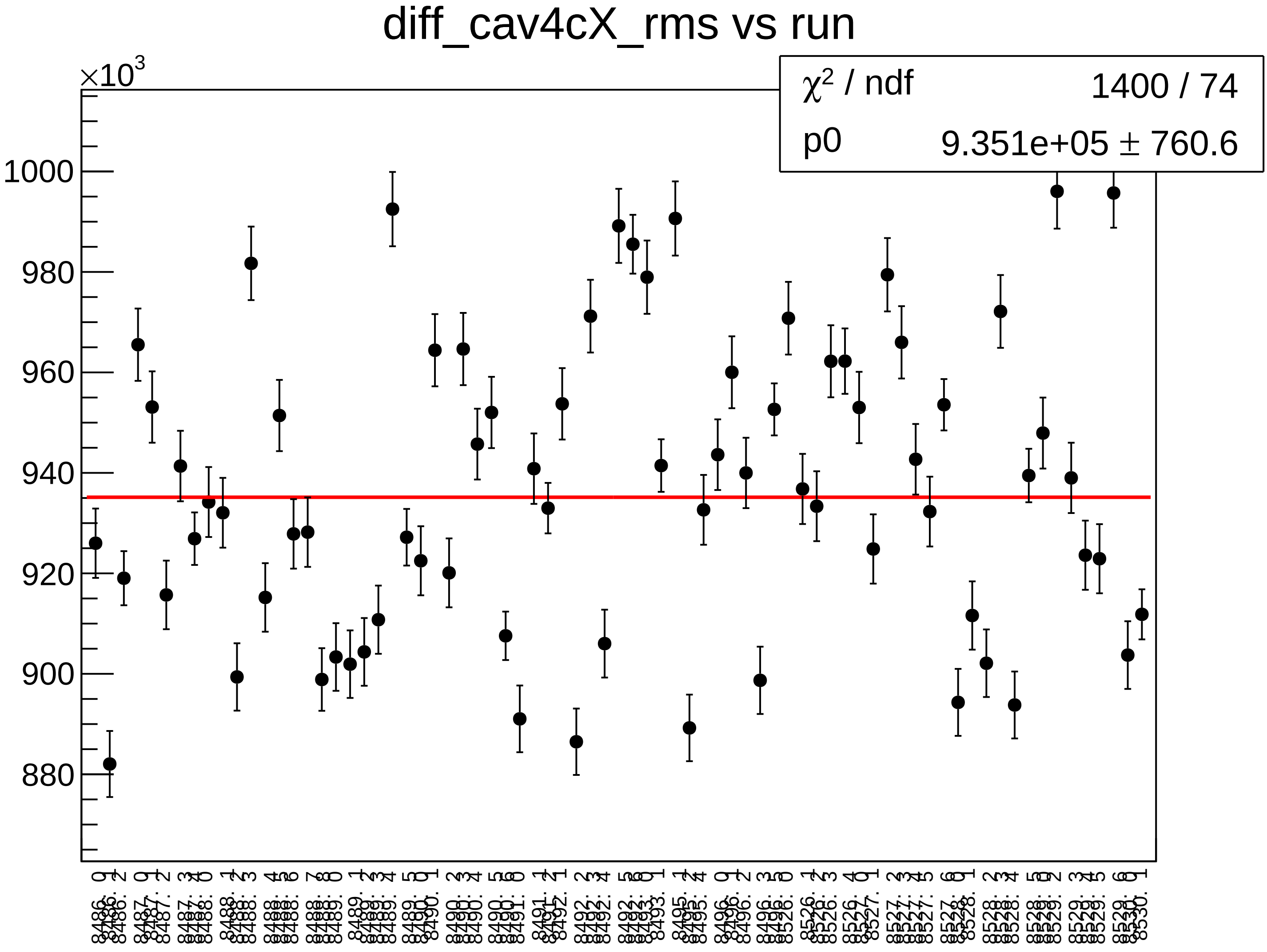

diff_cav4bX_rms vs run
χ² / ndf 2353 / 80
p0 3.883e+04 ± 30.51
43000
42000
41000
40000
39000
38000
37000
36000
35000



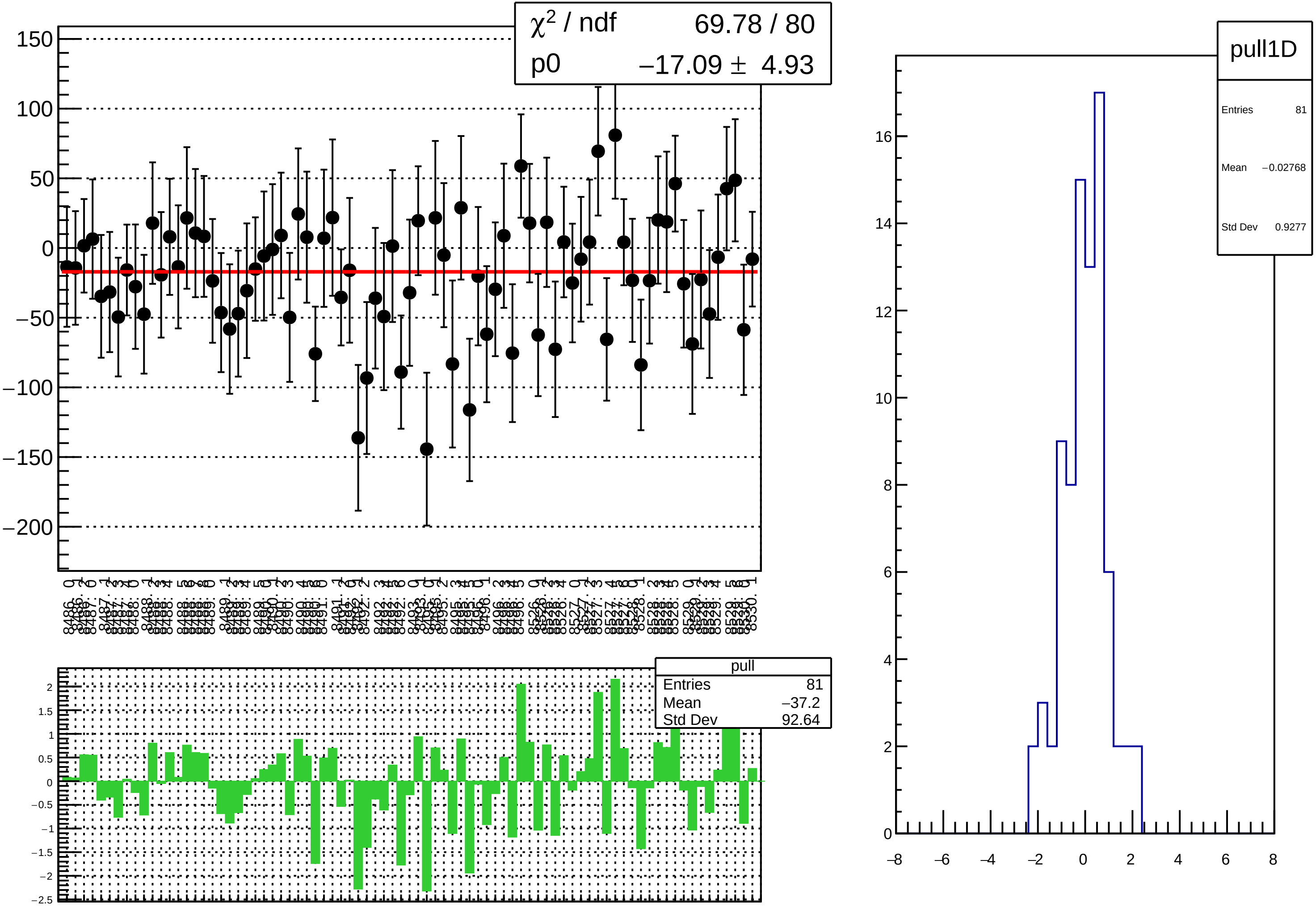
diff_cav4bY_mean vs run
χ^2 / ndf 71.94 / 80
p0 −20.37 ± 6.267
pull
Entries 81
Mean −24.34
Std Dev 78.05
pull1D
Entries 81
Mean −0.03191
Std Dev 0.9419

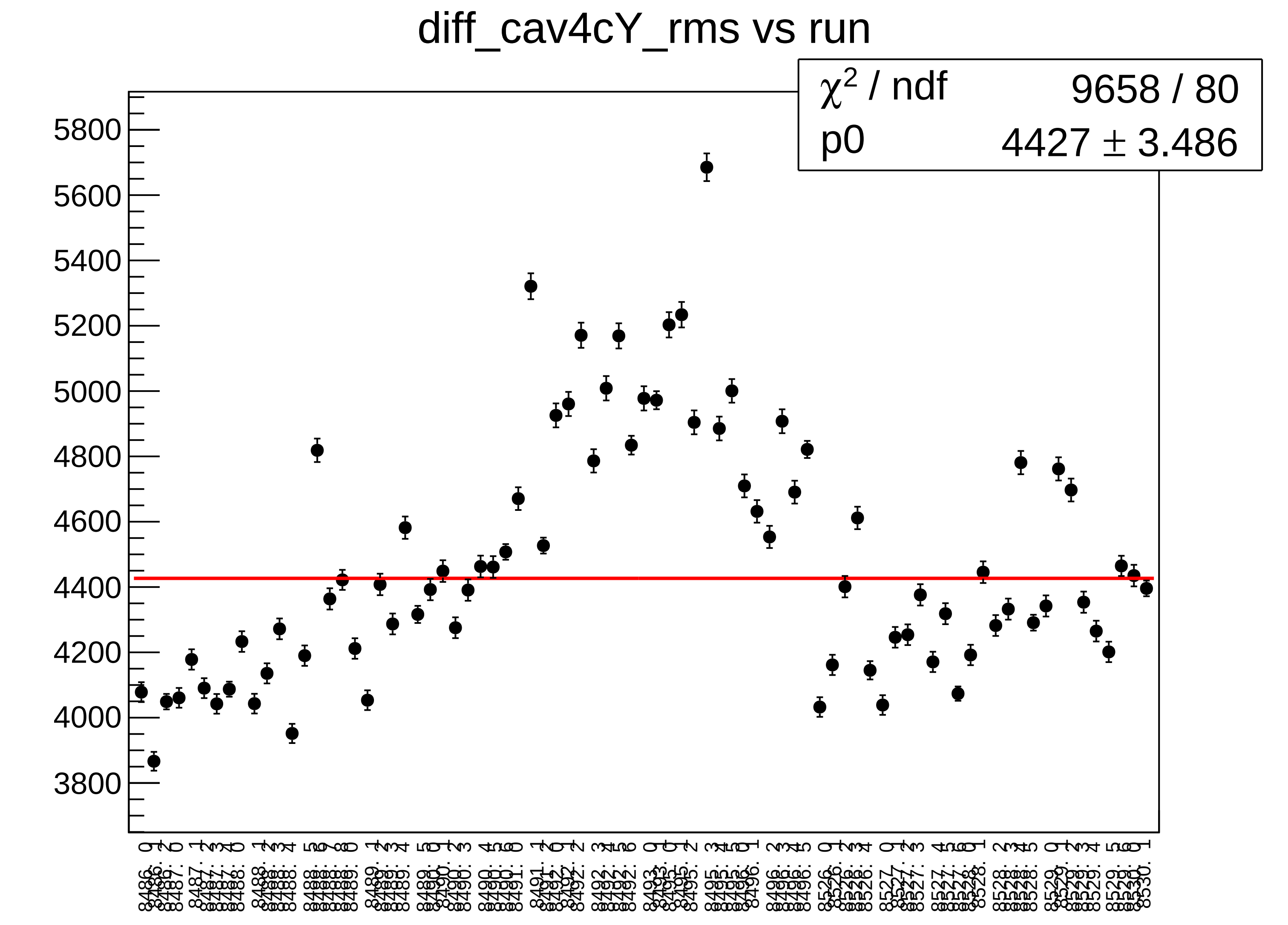

diff_cav4bY_rms vs run
χ^2 / ndf 1.212e+04 / 80
p0 5622 ± 4.431
7500
7000
6500
6000
5500
5000


diff_cav4cX_mean vs run
χ^2 / ndf 84.16 / 80
p0 −1333 ± 1044
pull
Entries 81
Mean 83.91
Std Dev 10.18
pull1D
Entries 81
Mean 0.02746
Std Dev 1.019

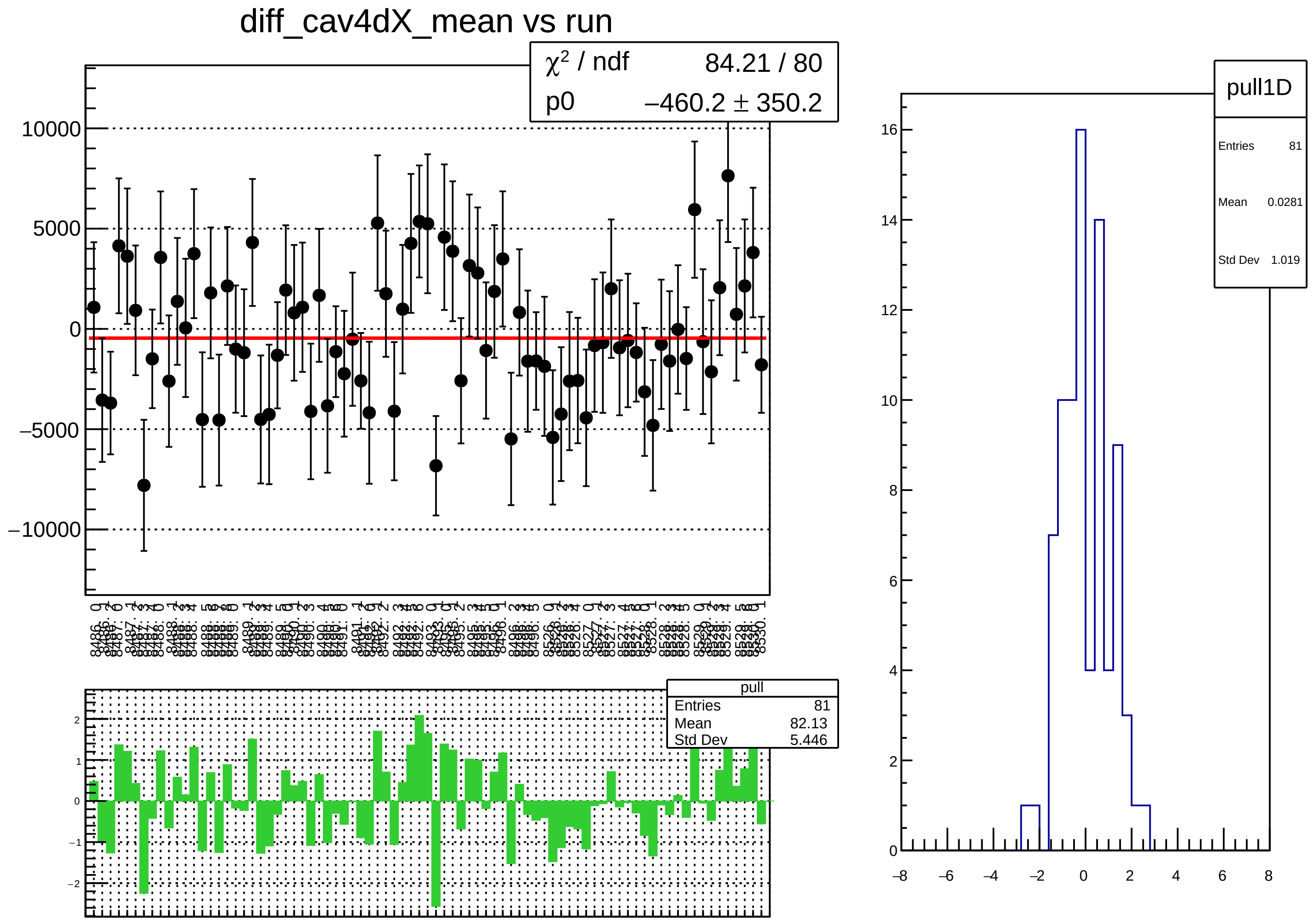

diff_cav4cX_rms vs run
×10^3
χ2 / ndf 1400 / 74
p0 9.351e+05 ± 760.6
1000
980
960
940
920
900
880

diff_cav4cY_mean vs run

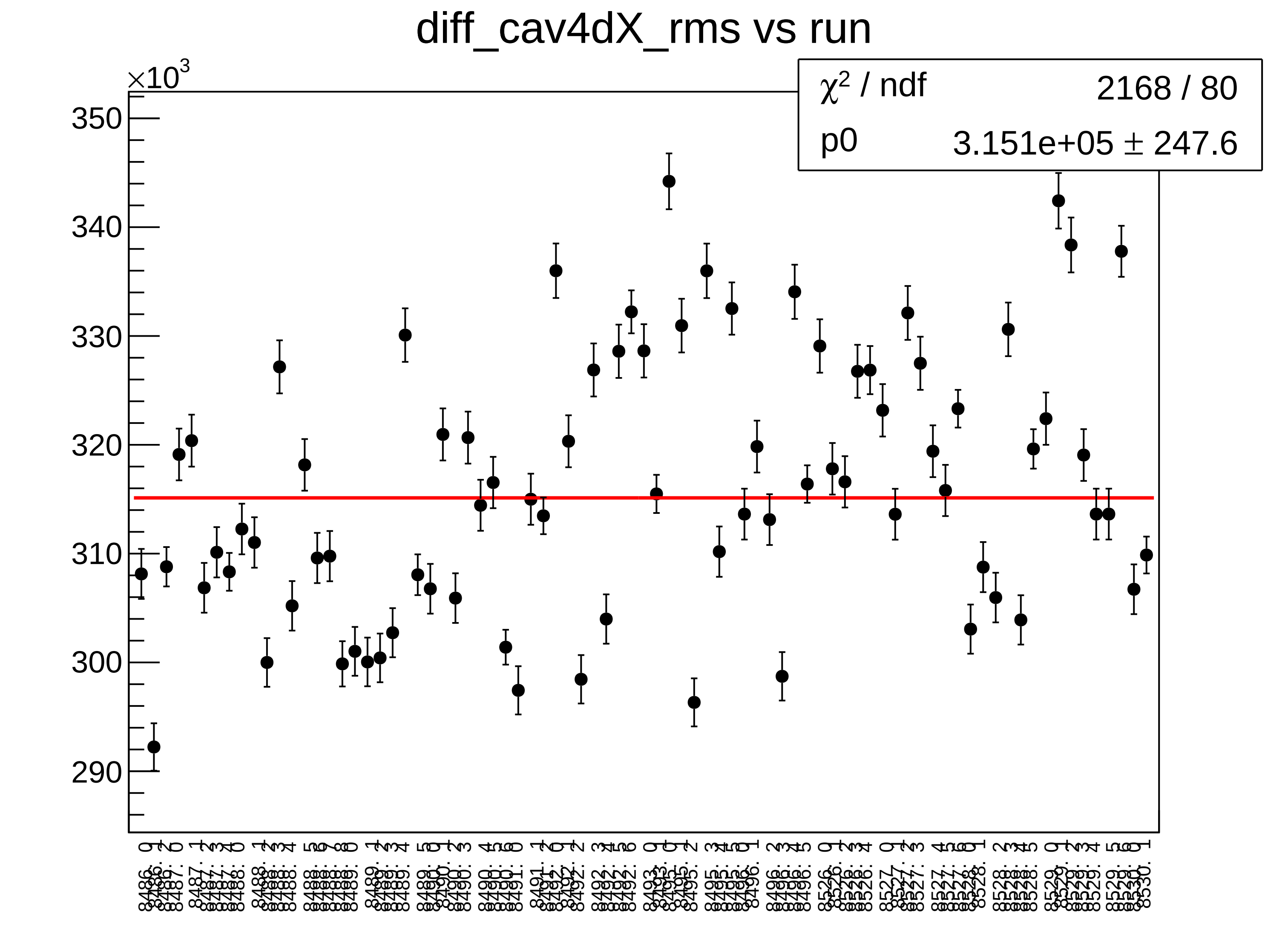




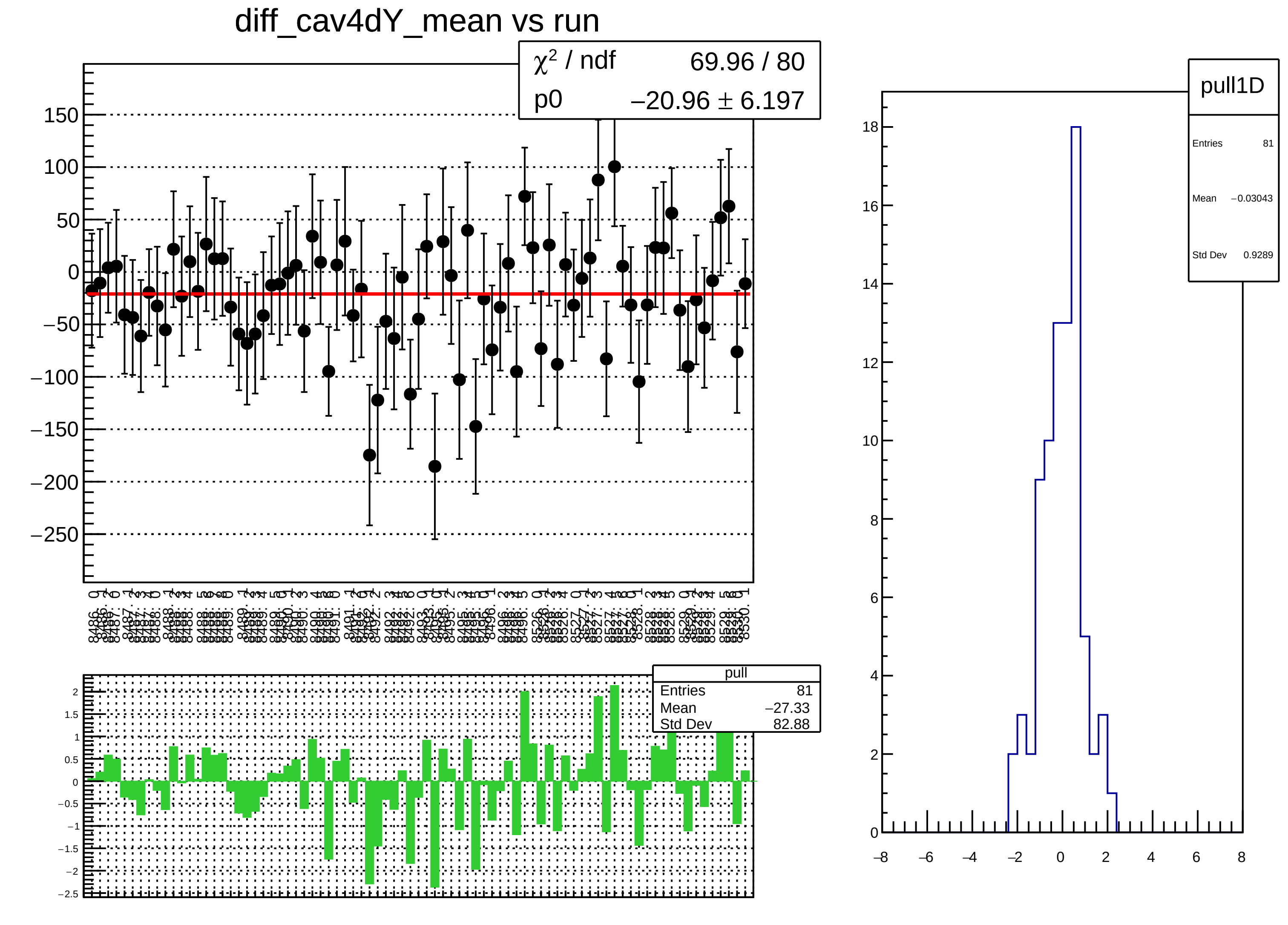
diff_cav4cY_rms vs run
χ2 / ndf 9658 / 80
p0 4427 ± 3.486
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800



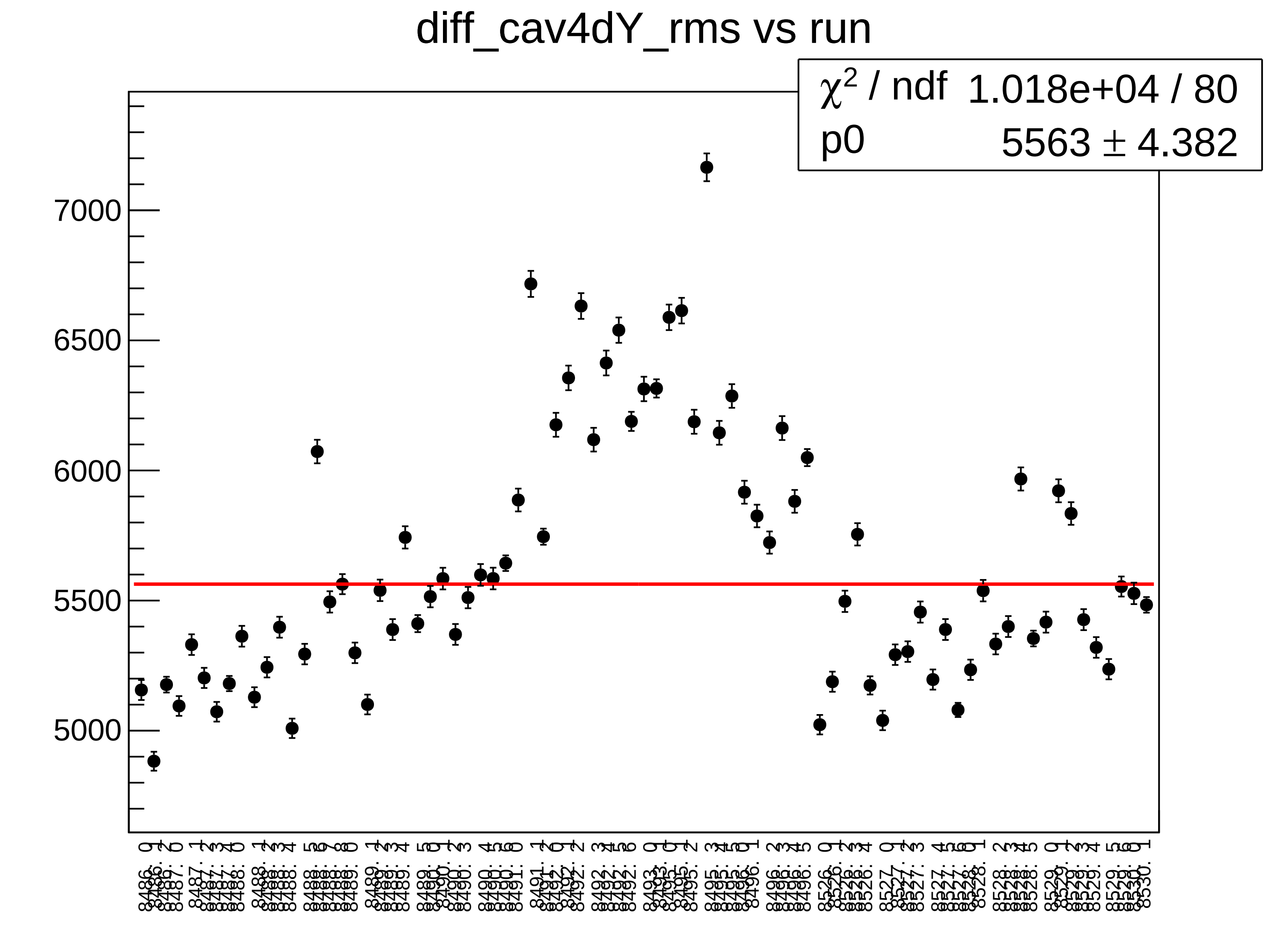
diff_cav4dX_mean vs run
χ2 / ndf 84.21 / 80
p0 −460.2 ± 350.2
pull
Entries 81
Mean 82.13
Std Dev 5.446
pull1D
Entries 81
Mean 0.0281
Std Dev 1.019



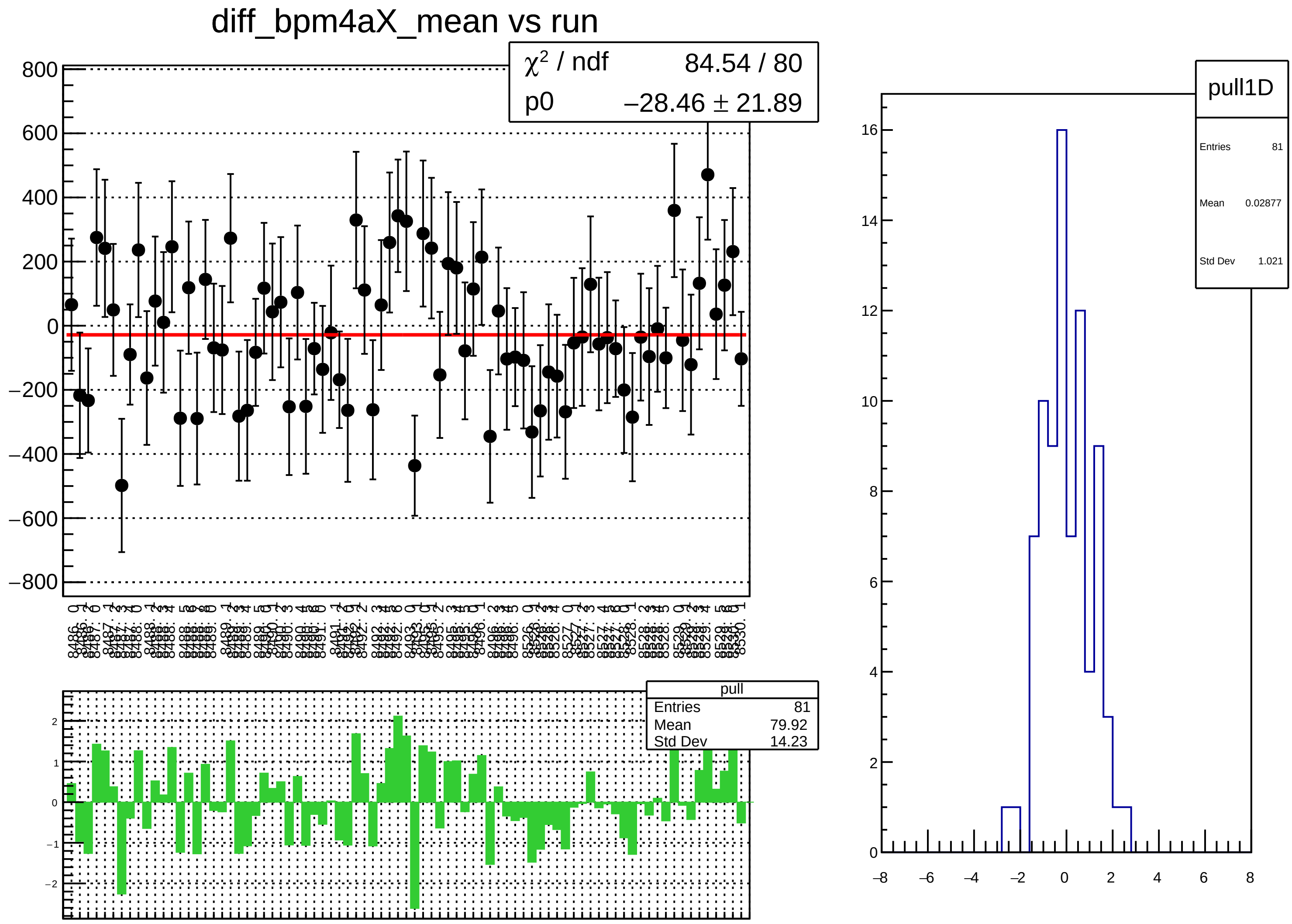
diff_cav4dX_rms vs run
$\times10^3$
χ^2 / ndf 2168 / 80
p0 3.151e+05 ± 247.6
350
340
330
320
310
300
290



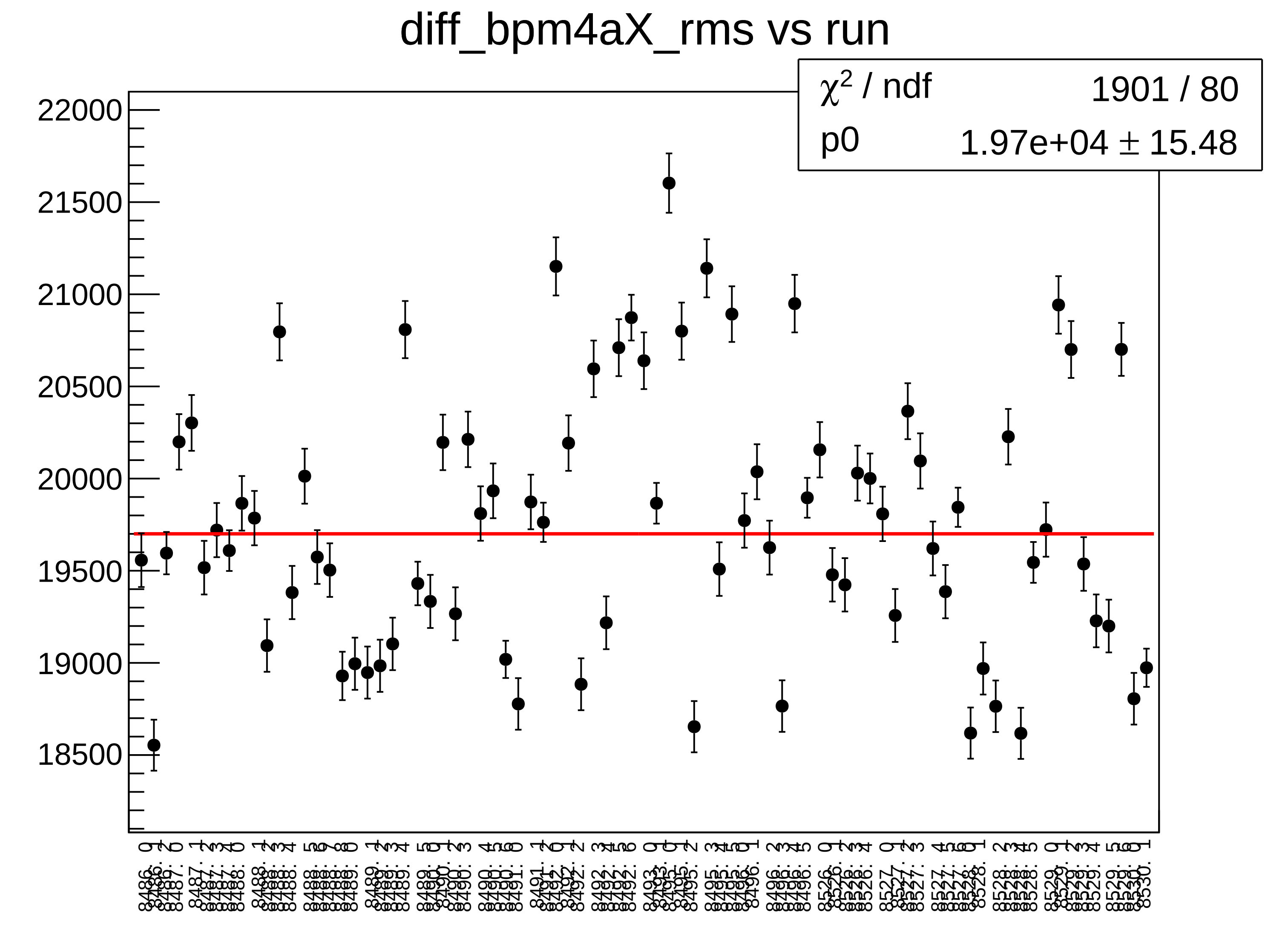
diff_cav4dY_mean vs run
χ^2 / ndf 69.96 / 80
p0 −20.96 ± 6.197
pull
Entries 81
Mean −27.33
Std Dev 82.88
pull1D
Entries 81
Mean −0.03043
Std Dev 0.9289



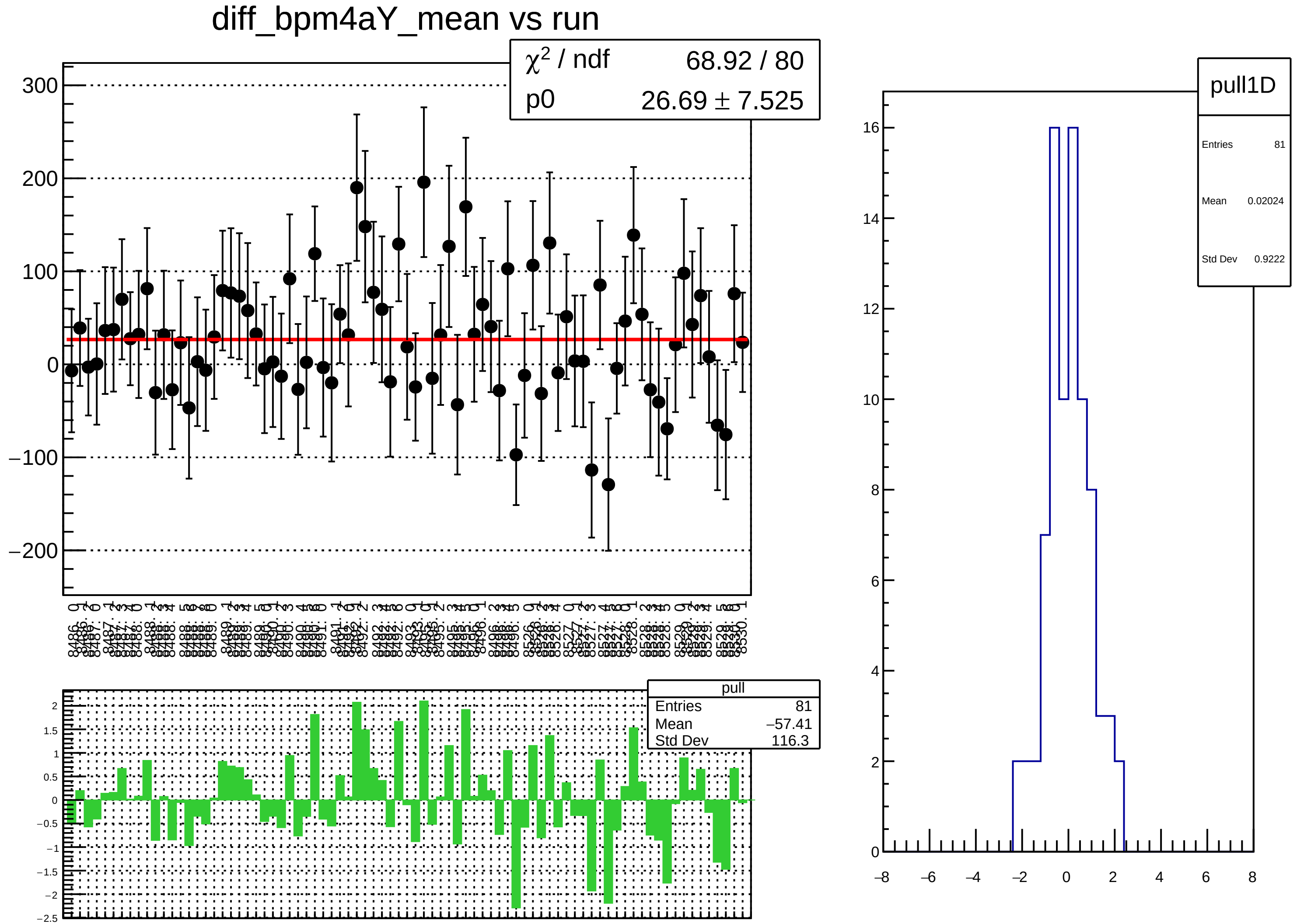
diff_cav4dY_rms vs run
χ2 / ndf 1.018e+04 / 80
p0 5563 ± 4.382
7000
6500
6000
5500
5000



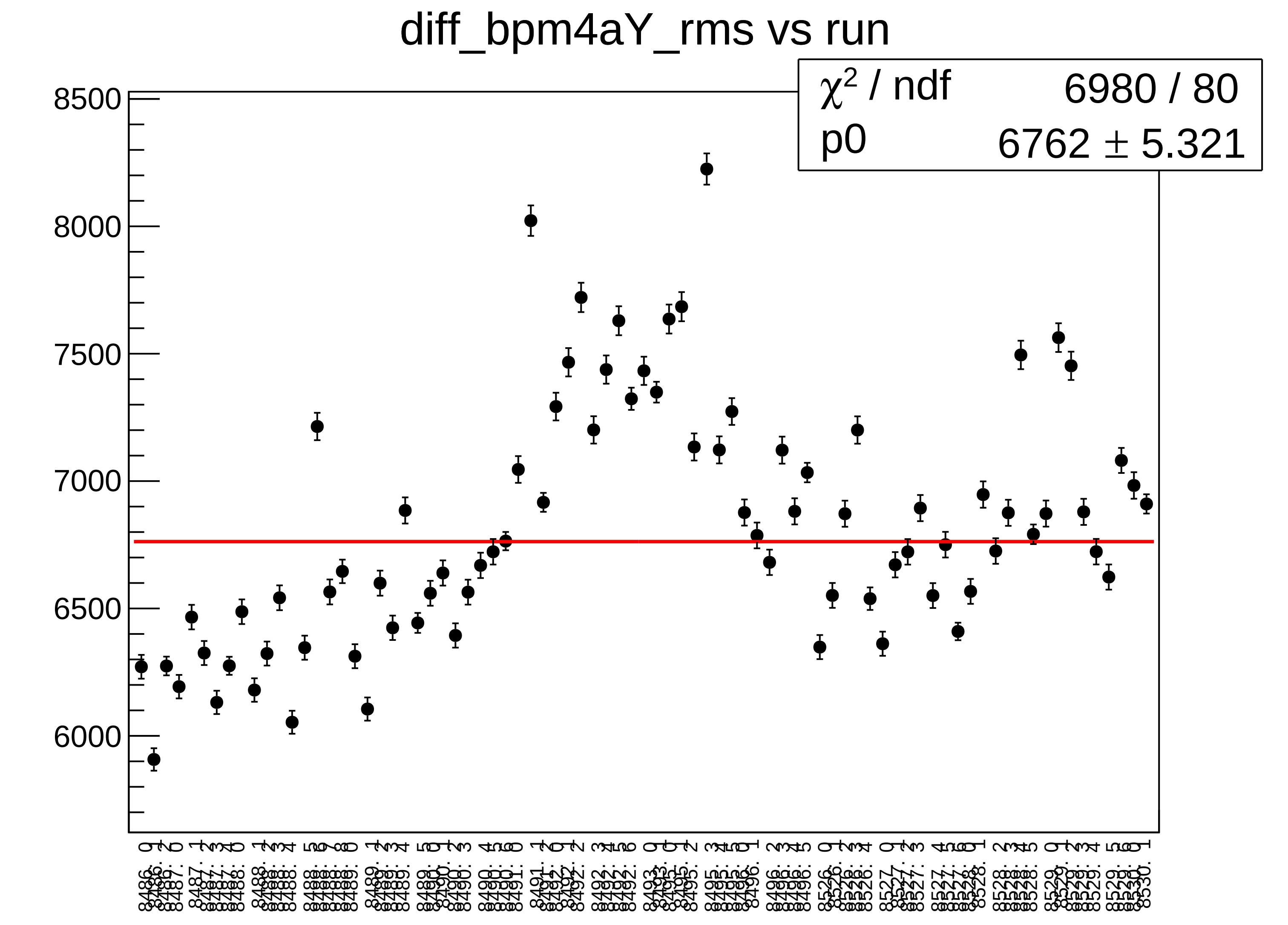
diff_bpm4aX_mean vs run
χ^2 / ndf 84.54 / 80
p0 −28.46 ± 21.89
pull
Entries 81
Mean 79.92
Std Dev 14.23
pull1D
Entries 81
Mean 0.02877
Std Dev 1.021

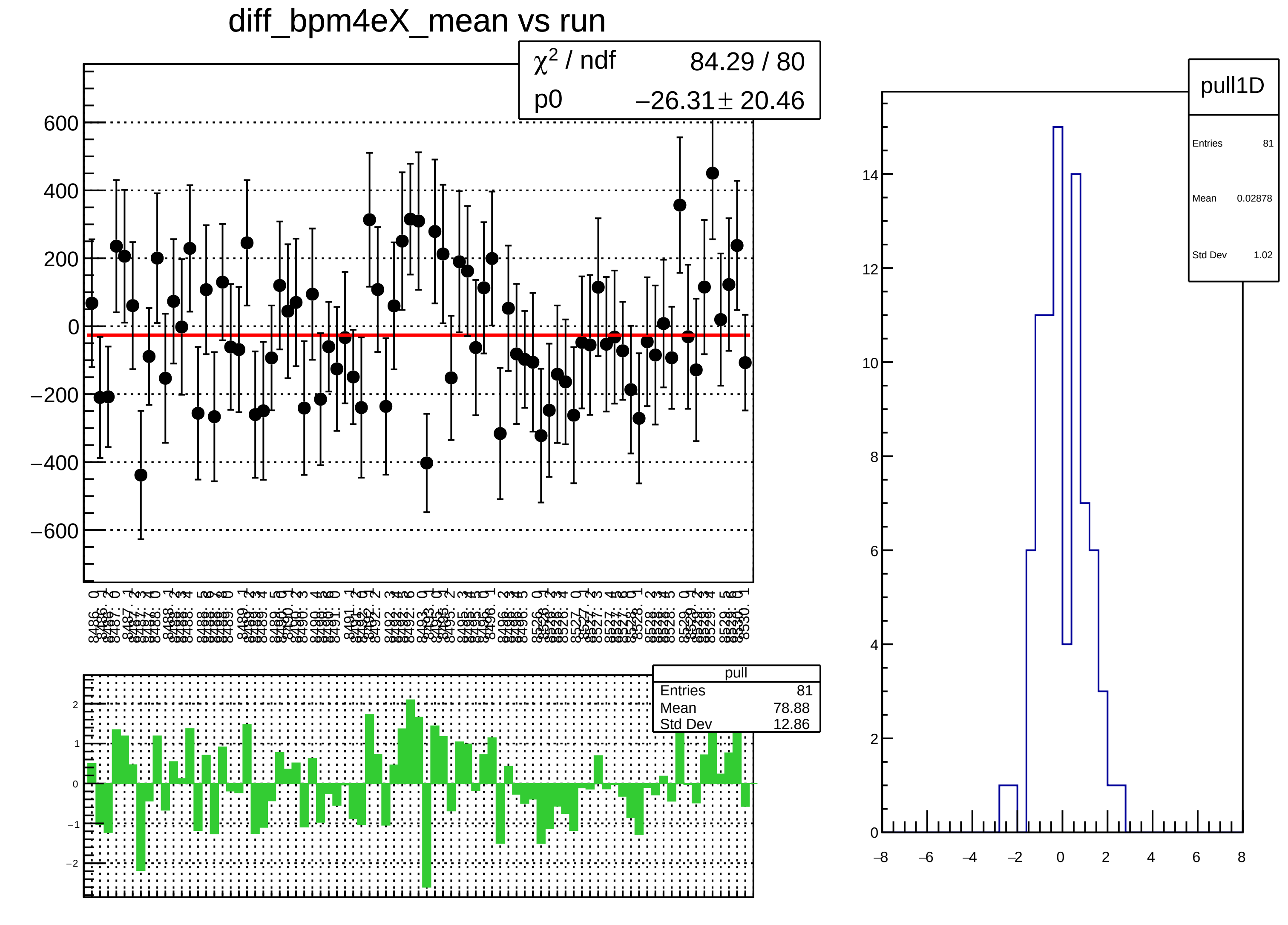


diff_bpm4aX_rms vs run
χ^2 / ndf 1901 / 80
p0 1.97e+04 ± 15.48
22000
21500
21000
20500
20000
19500
19000
18500

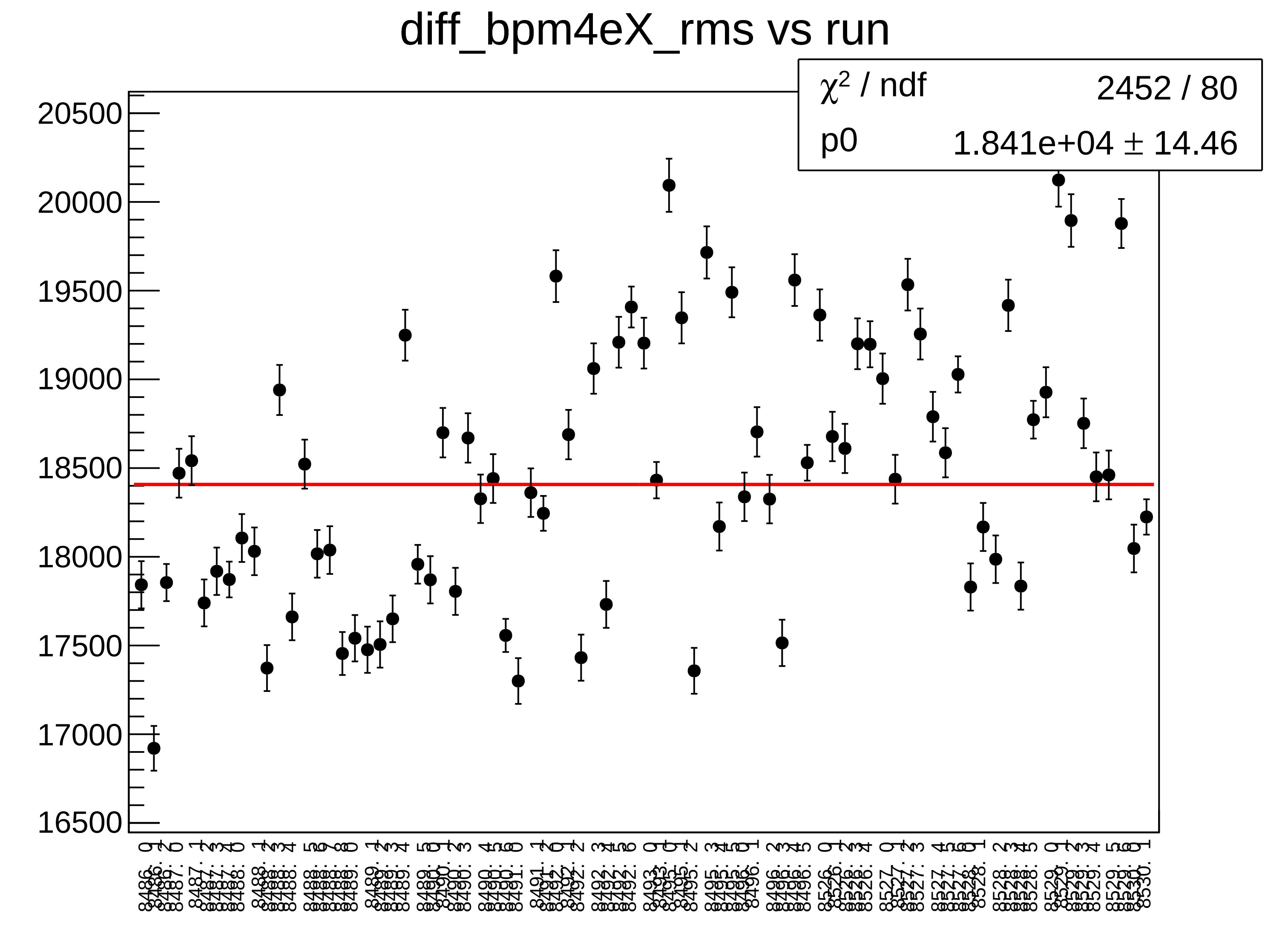


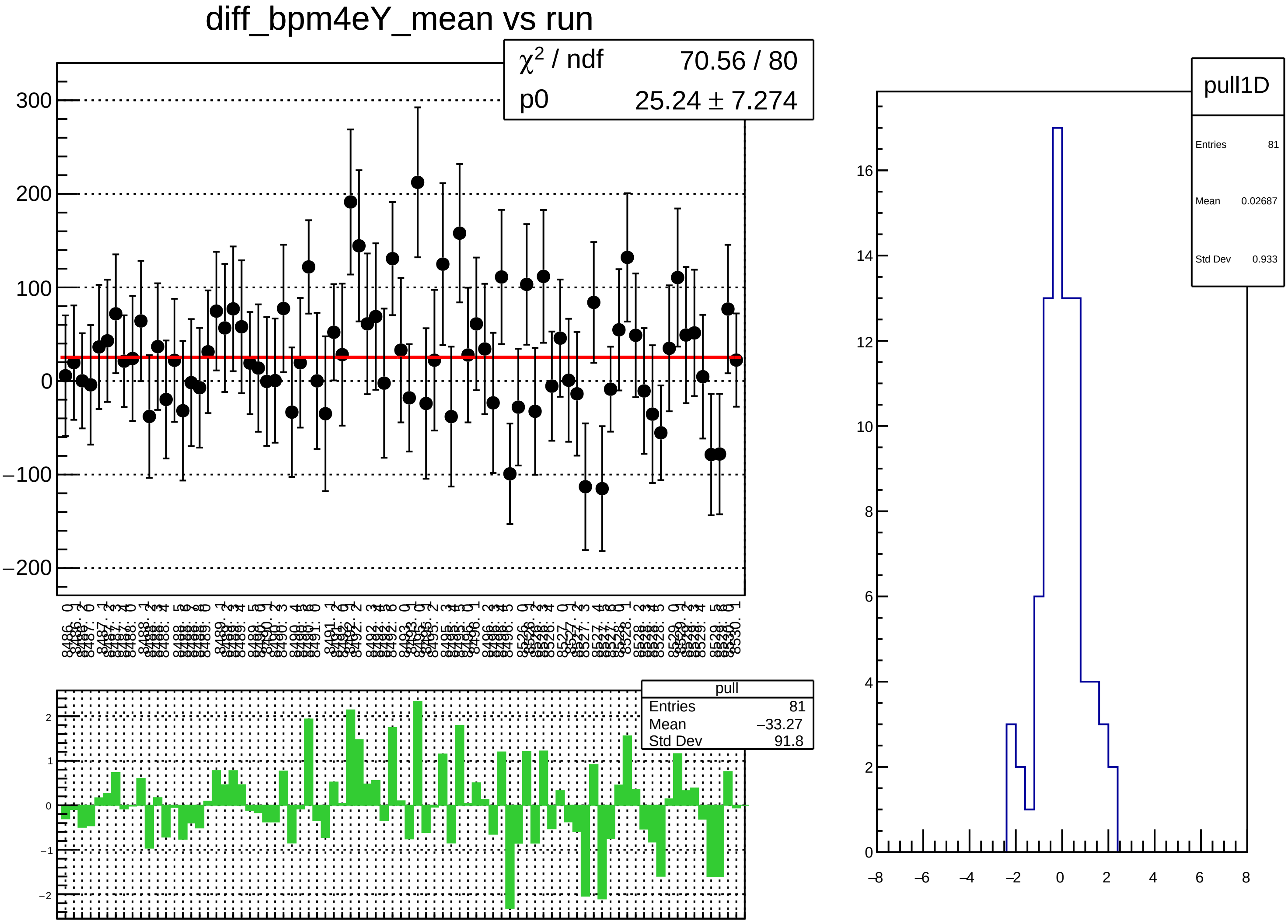
diff_bpm4aY_mean vs run
χ^2 / ndf 68.92 / 80
p0 26.69 ± 7.525
pull
Entries 81
Mean −57.41
Std Dev 116.3
pull1D
Entries 81
Mean 0.02024
Std Dev 0.9222

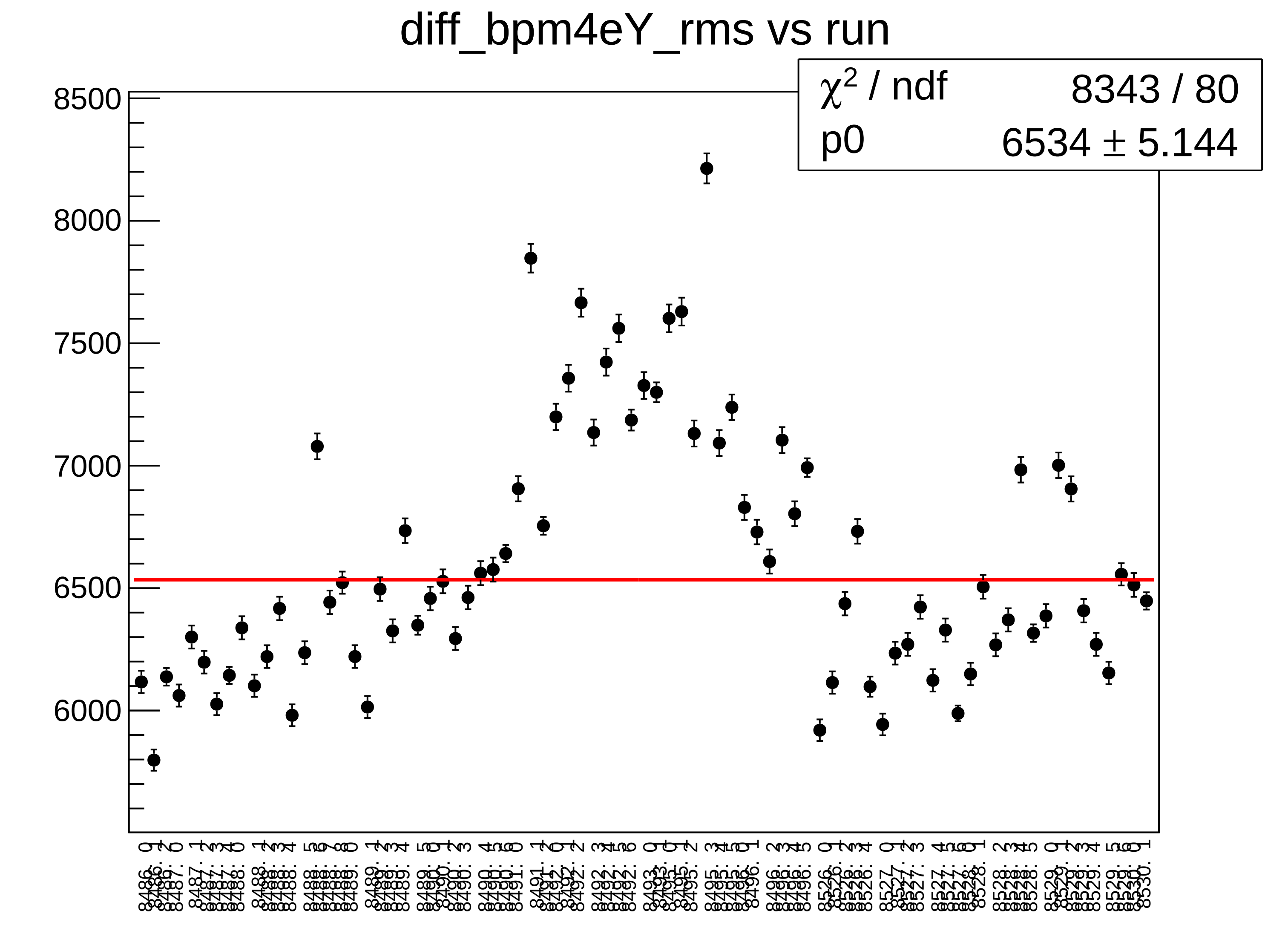

diff_bpm4aY_rms vs run
χ2 / ndf 6980 / 80
p0 6762 ± 5.321
8500
8000
7500
7000
6500
6000

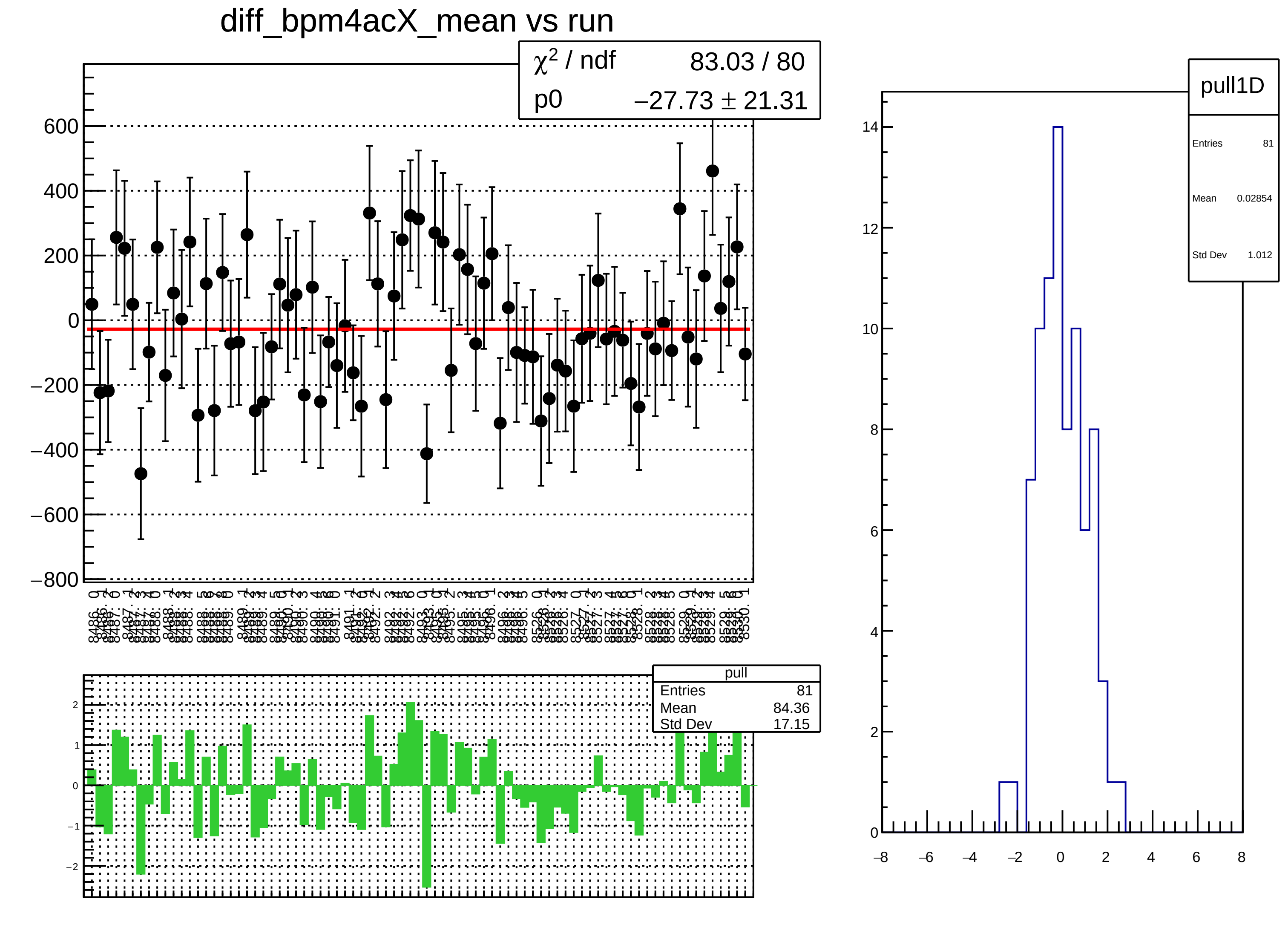


diff_bpm4eX_mean vs run
χ^2 / ndf 84.29 / 80
p0 −26.31 ± 20.46
pull
Entries 81
Mean 78.88
Std Dev 12.86
pull1D
Entries 81
Mean 0.02878
Std Dev 1.02

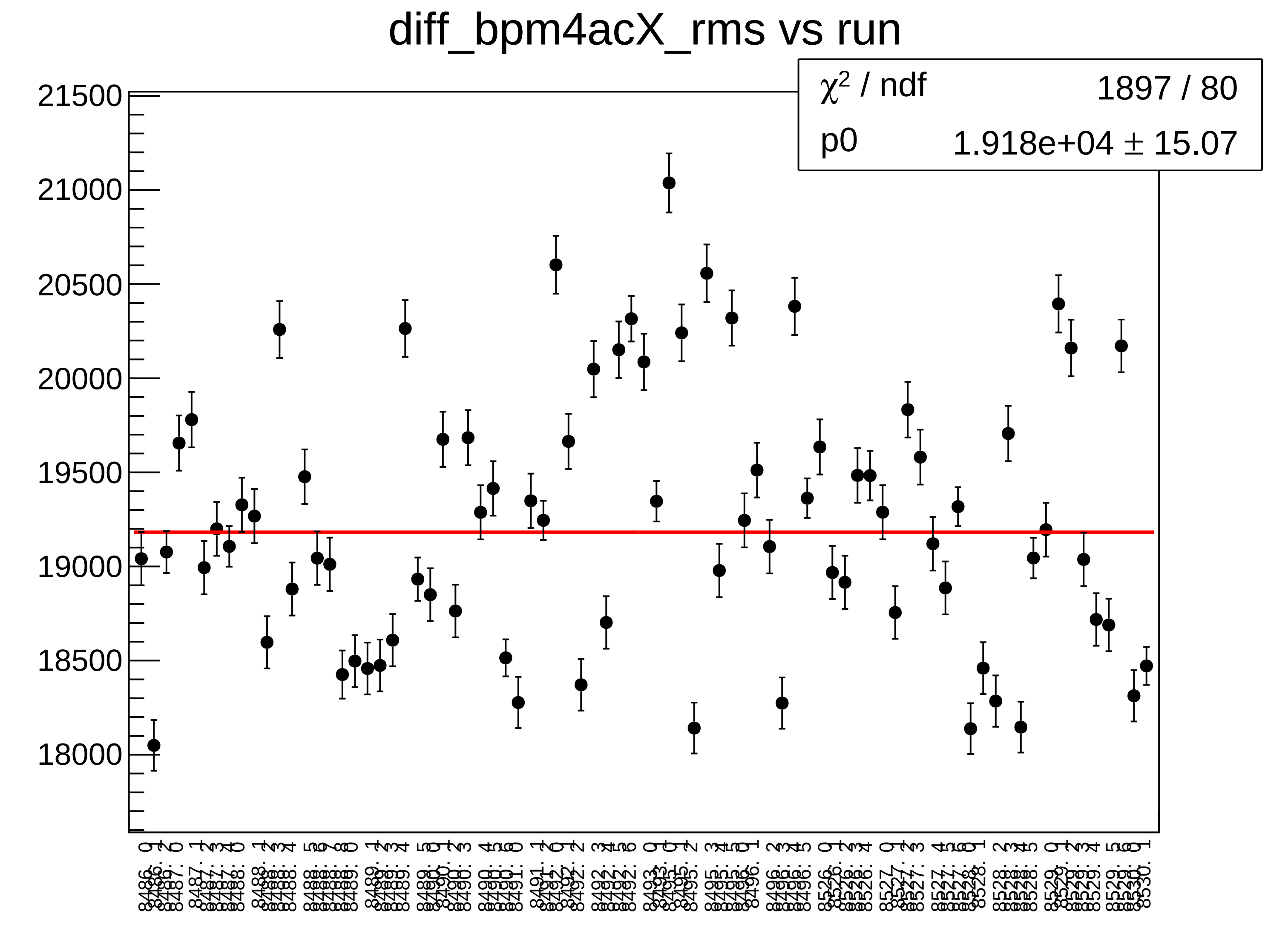

diff_bpm4eX_rms vs run
χ^2 / ndf 2452 / 80
p0 1.841e+04 ± 14.46
20500
20000
19500
19000
18500
18000
17500
17000
16500


diff_bpm4eY_mean vs run
χ2 / ndf 70.56 / 80
p0 25.24 ± 7.274
300
200
100
0
−100
−200
pull
Entries 81
Mean −33.27
Std Dev 91.8
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02687
Std Dev 0.933
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4eY_rms vs run
χ2 / ndf 8343 / 80
p0 6534 ± 5.144

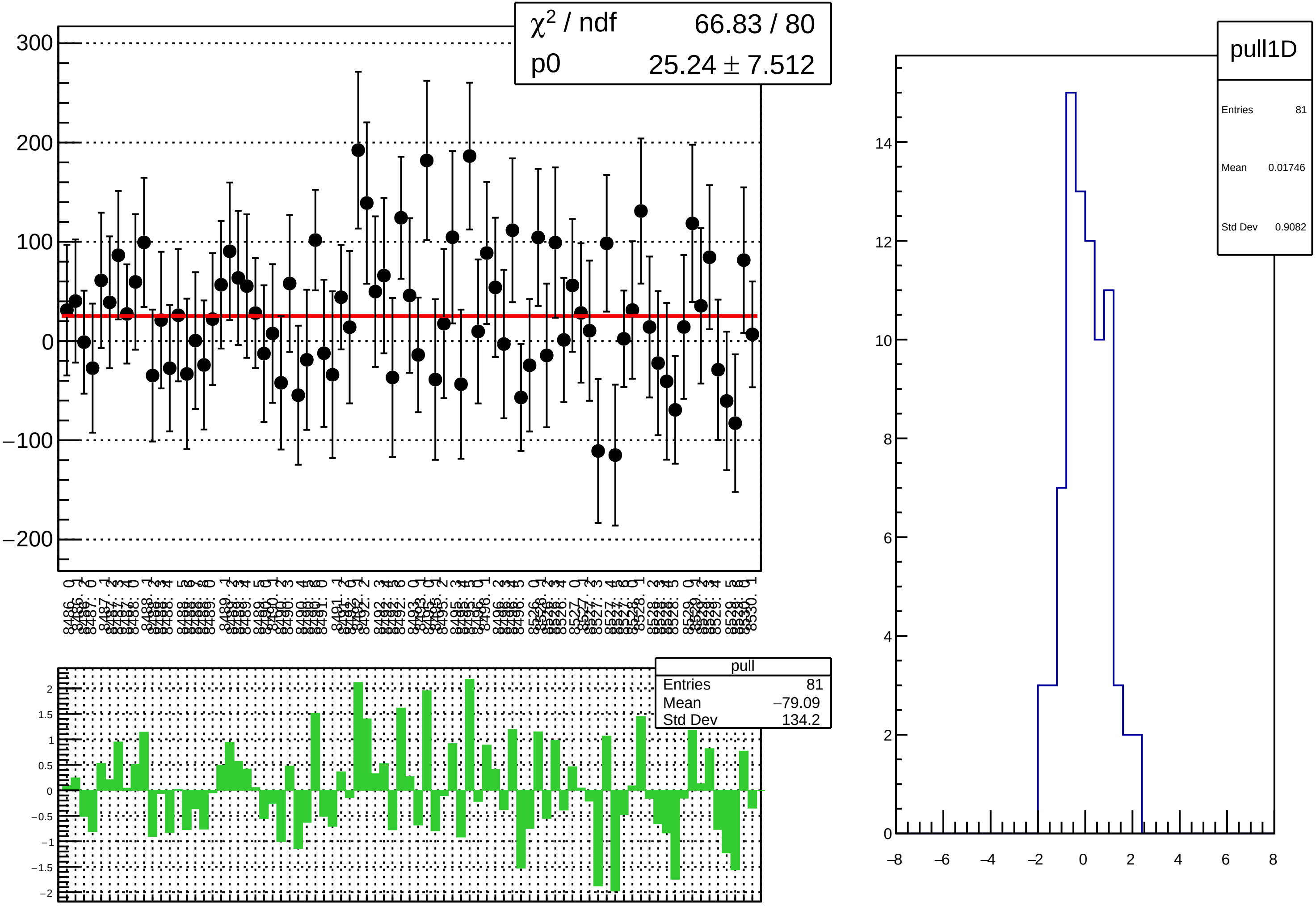


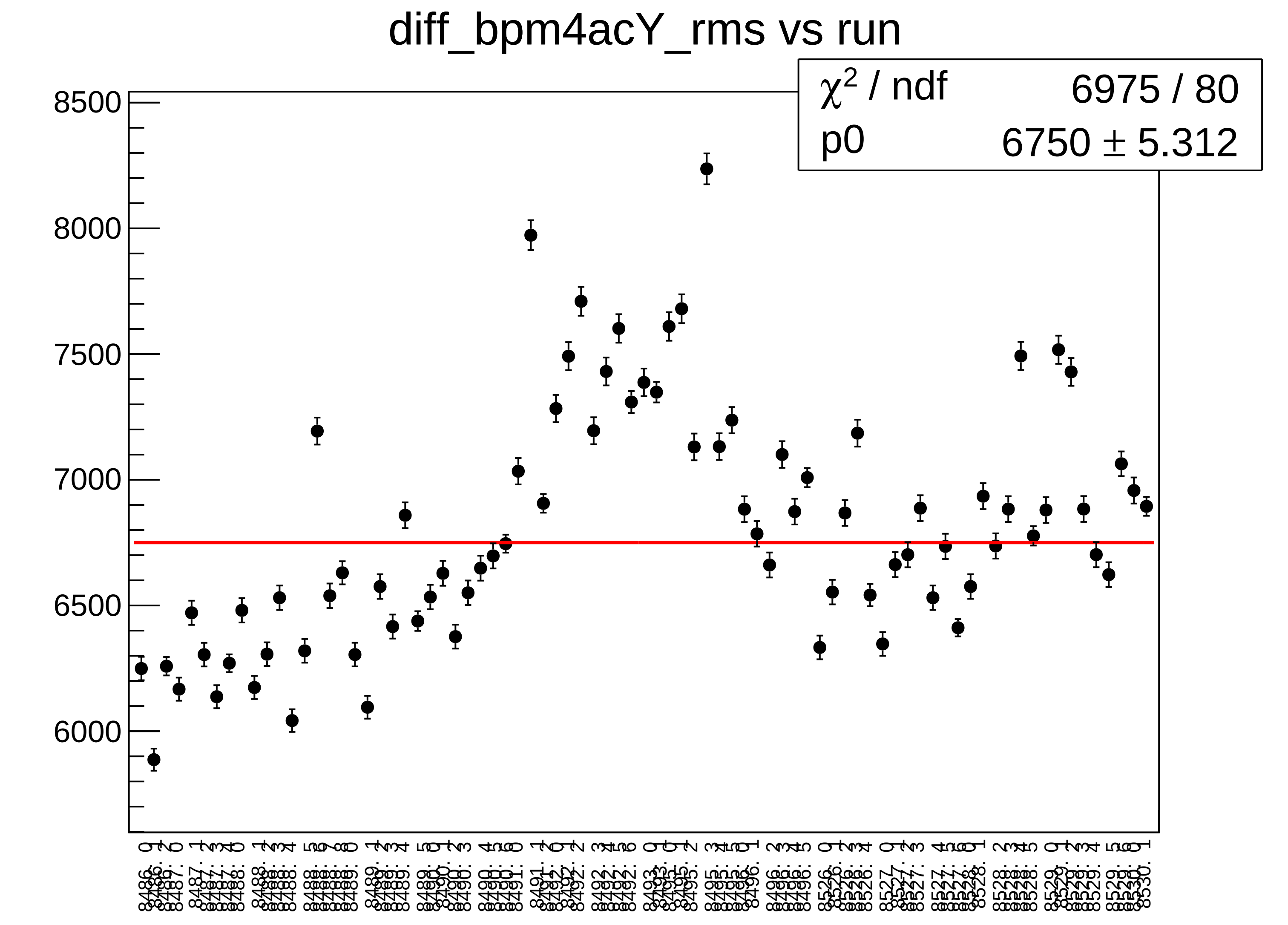
diff_bpm4acX_mean vs run
χ^2 / ndf 83.03 / 80
p0 −27.73 ± 21.31
pull
Entries 81
Mean 84.36
Std Dev 17.15
pull1D
Entries 81
Mean 0.02854
Std Dev 1.012

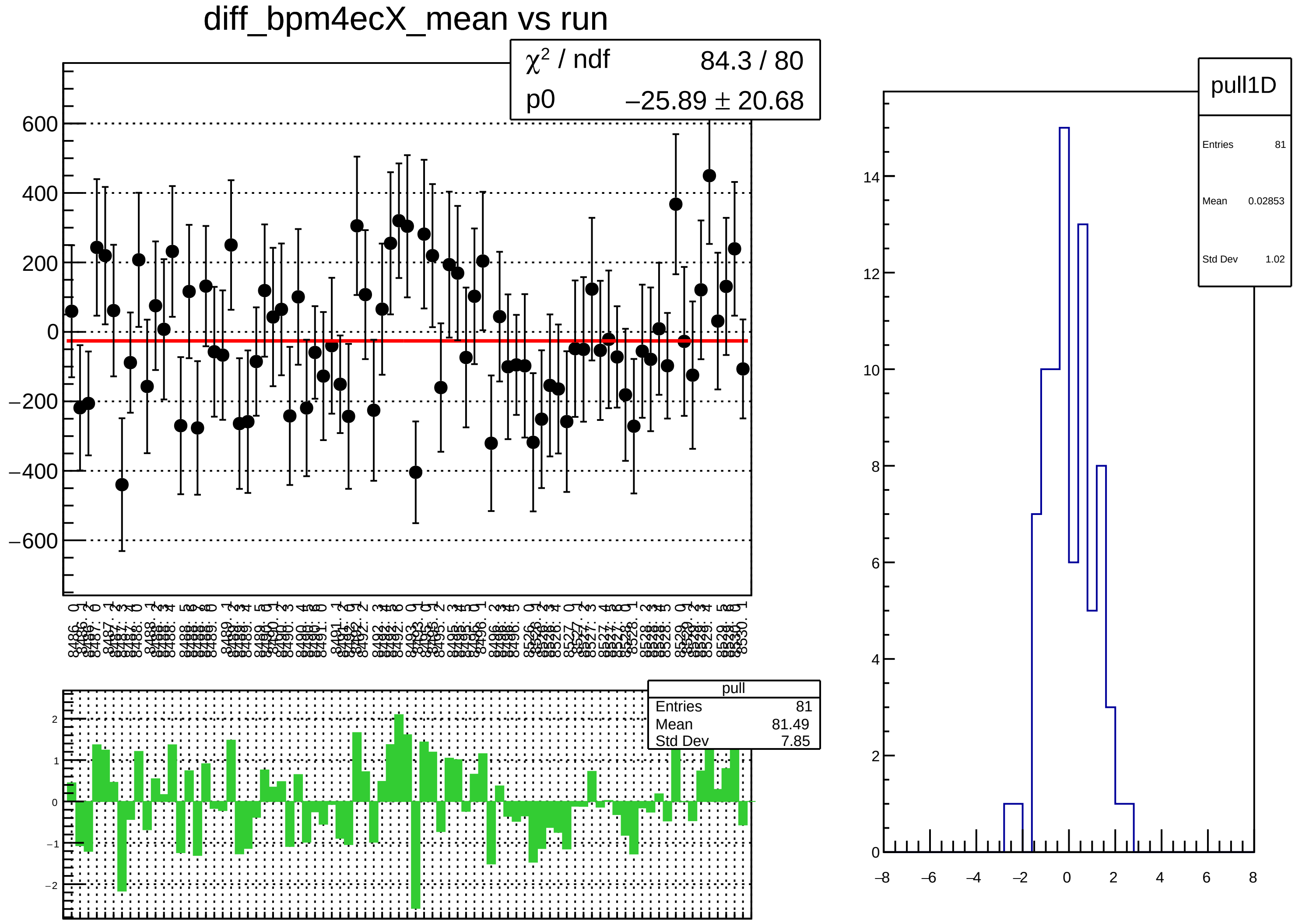


diff_bpm4acX_rms vs run
χ^2 / ndf 1897 / 80
p0 1.918e+04 ± 15.07
21500
21000
20500
20000
19500
19000
18500
18000

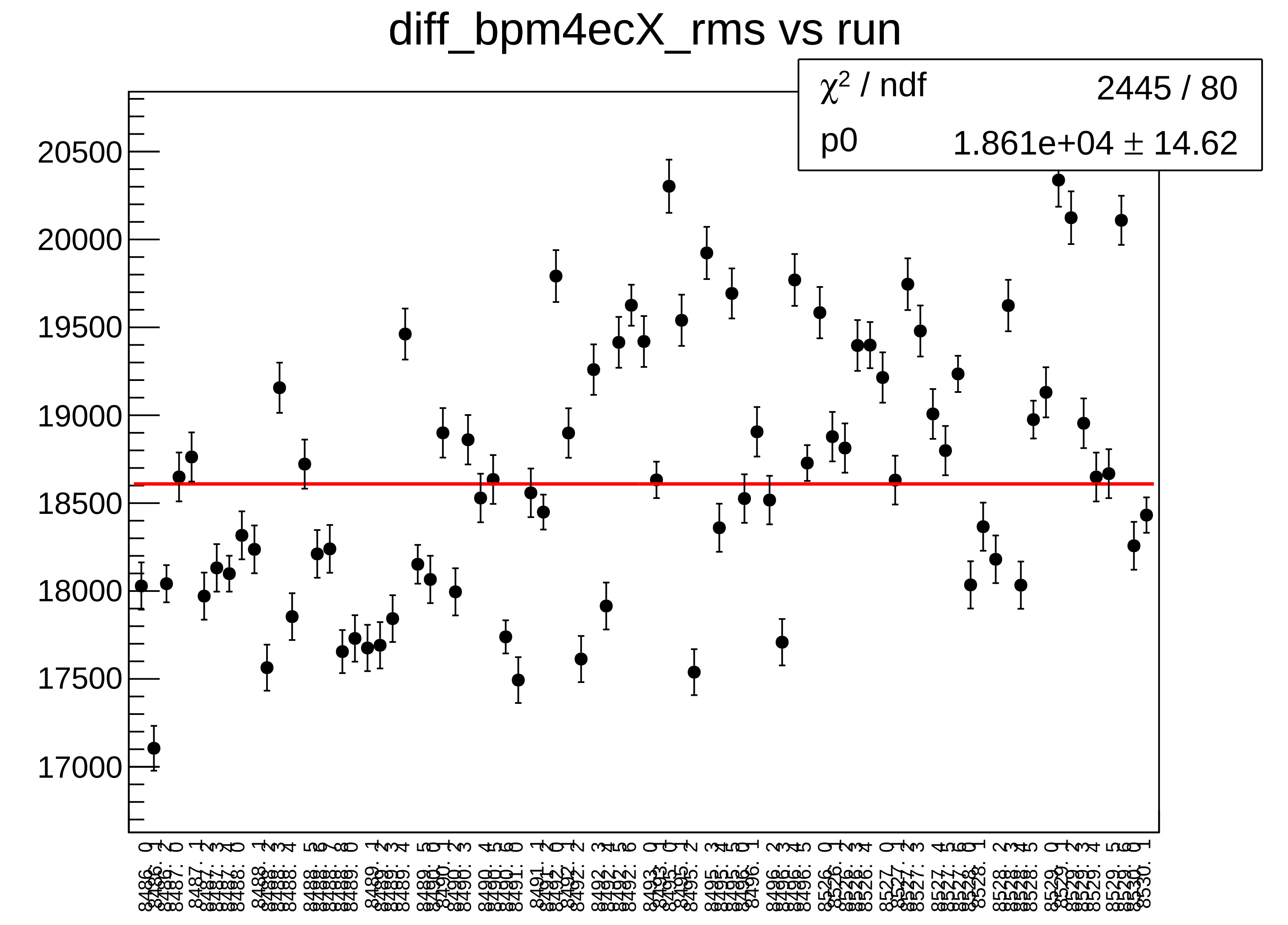
diff_bpm4acY_mean vs run

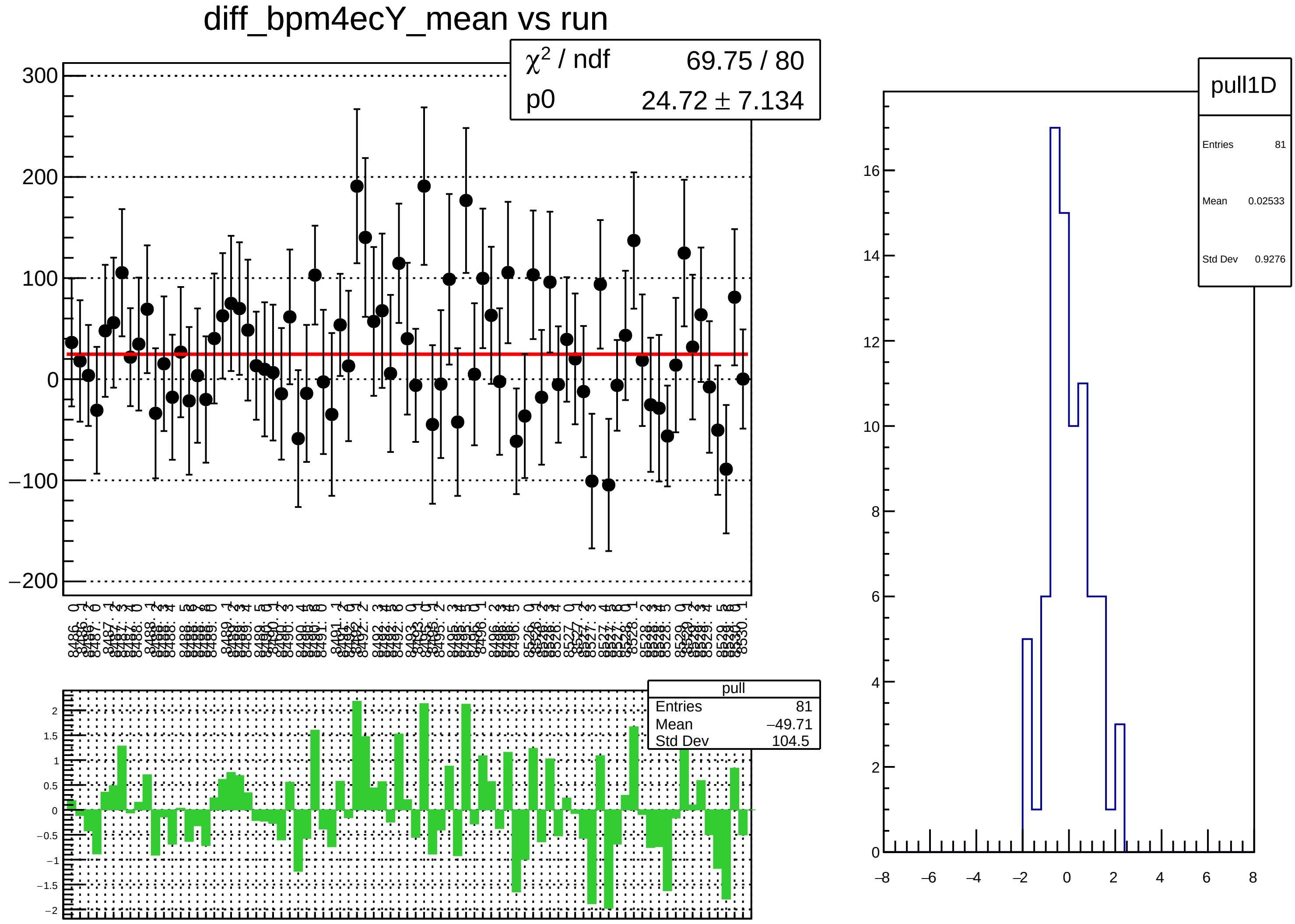



diff_bpm4acY_rms vs run
χ2 / ndf 6975 / 80
p0 6750 ± 5.312
8500
8000
7500
7000
6500
6000

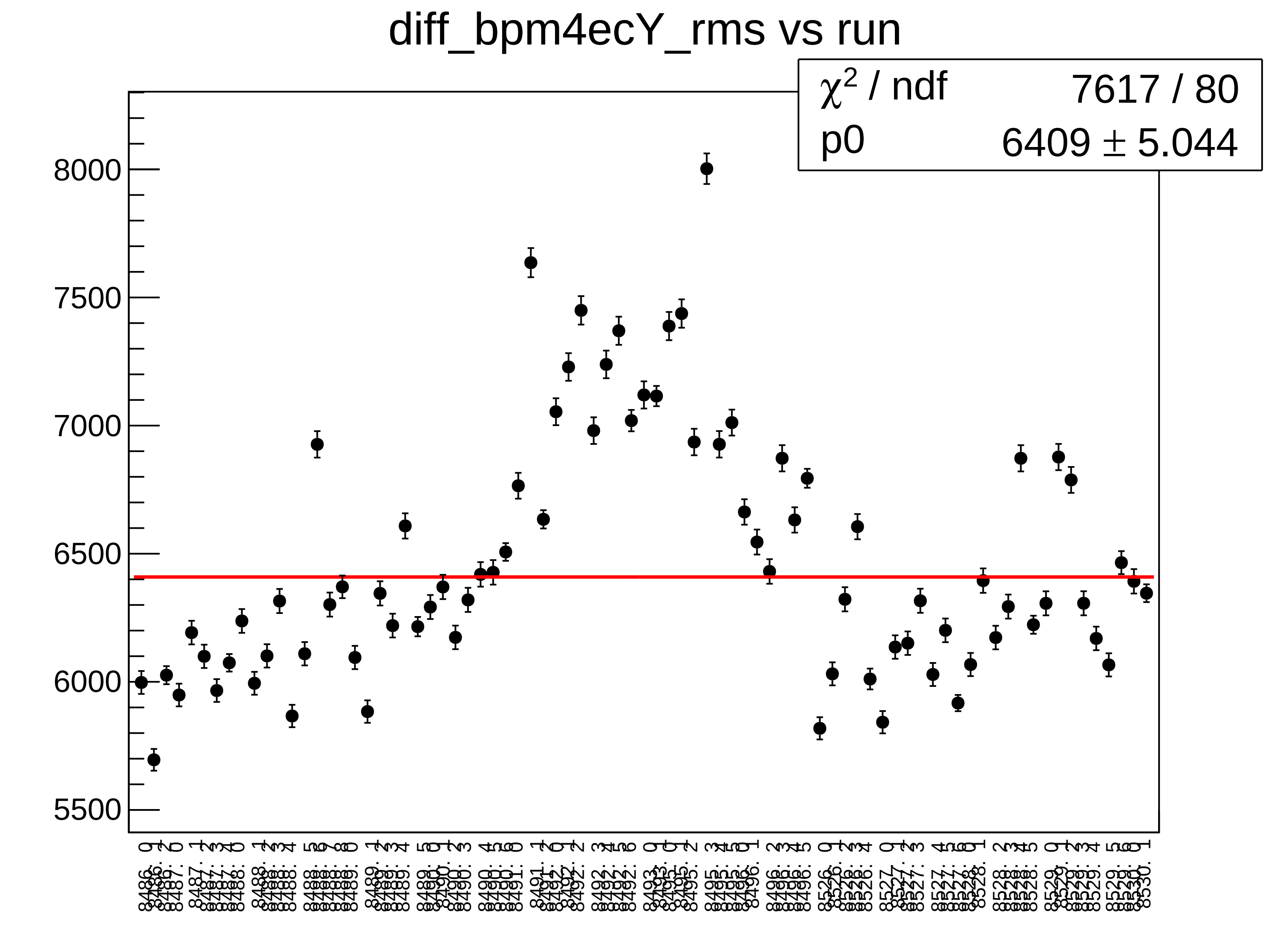


diff_bpm4ecX_mean vs run
χ2 / ndf 84.3 / 80
p0 −25.89 ± 20.68
pull
Entries 81
Mean 81.49
Std Dev 7.85
pull1D
Entries 81
Mean 0.02853
Std Dev 1.02

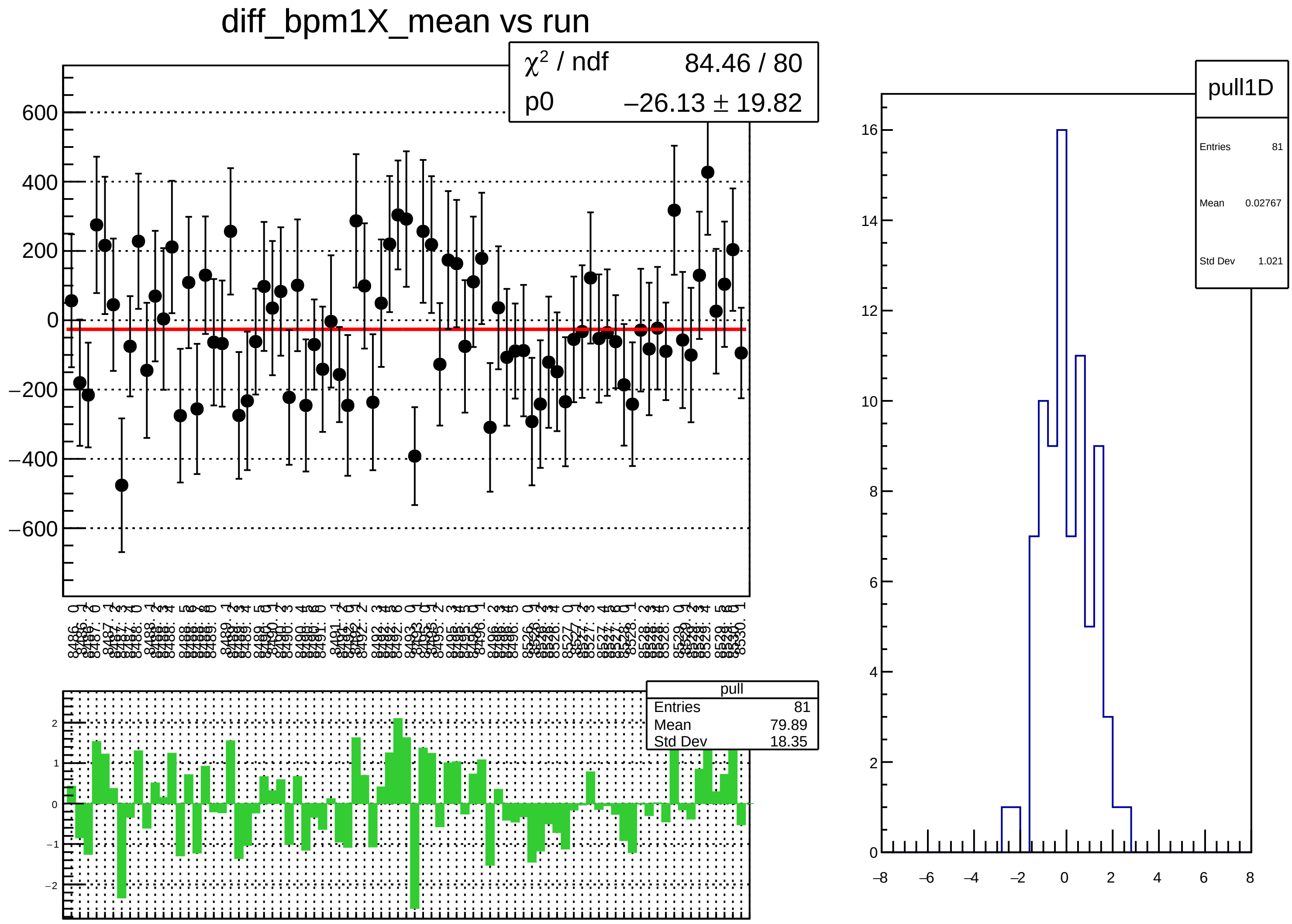

diff_bpm4ecX_rms vs run
χ² / ndf 2445 / 80
p0 1.861e+04 ± 14.62
20500
20000
19500
19000
18500
18000
17500
17000

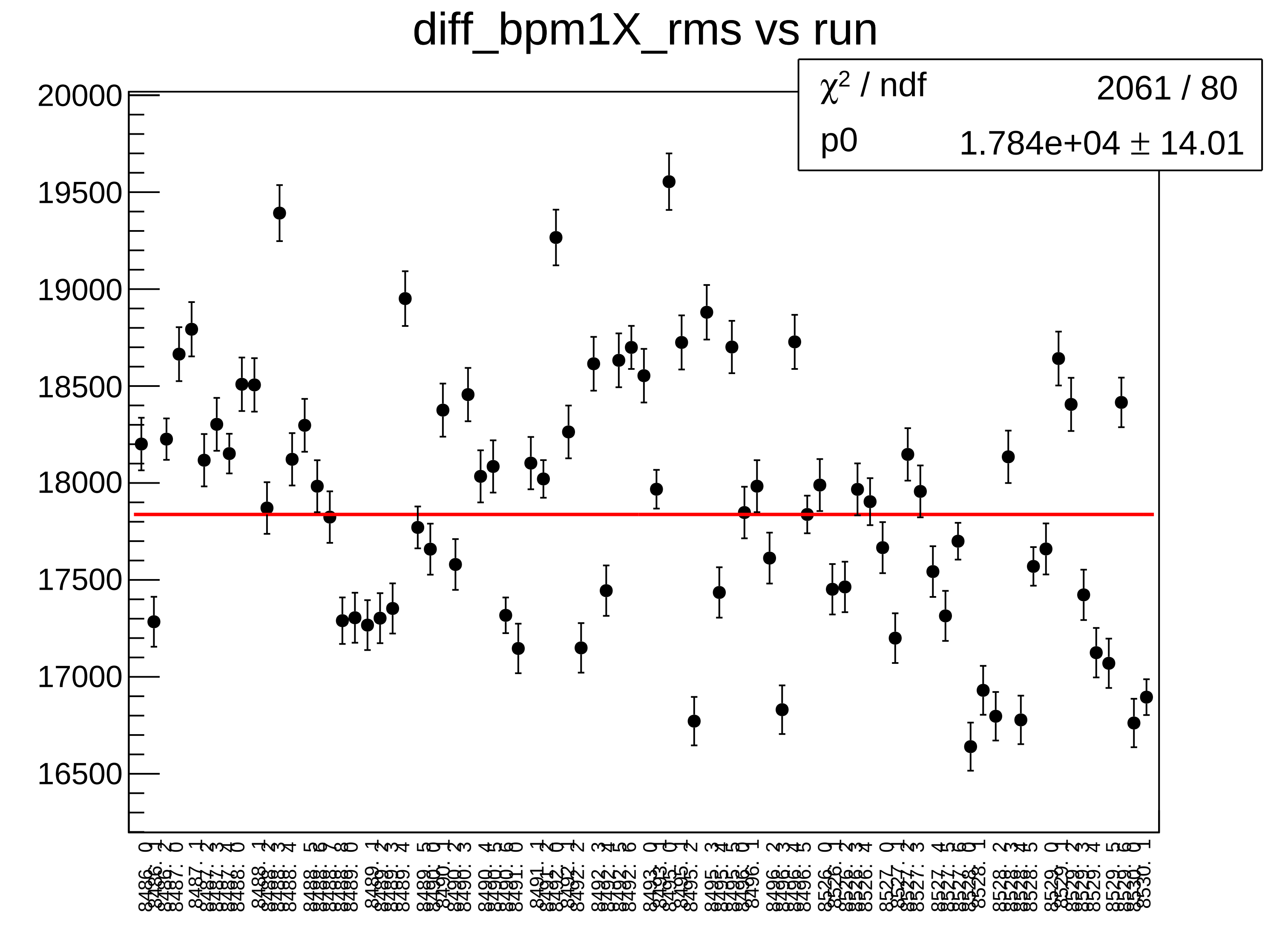


diff_bpm4ecY_mean vs run
χ^2 / ndf 69.75 / 80
p0 24.72 ± 7.134
pull
Entries 81
Mean −49.71
Std Dev 104.5
pull1D
Entries 81
Mean 0.02533
Std Dev 0.9276

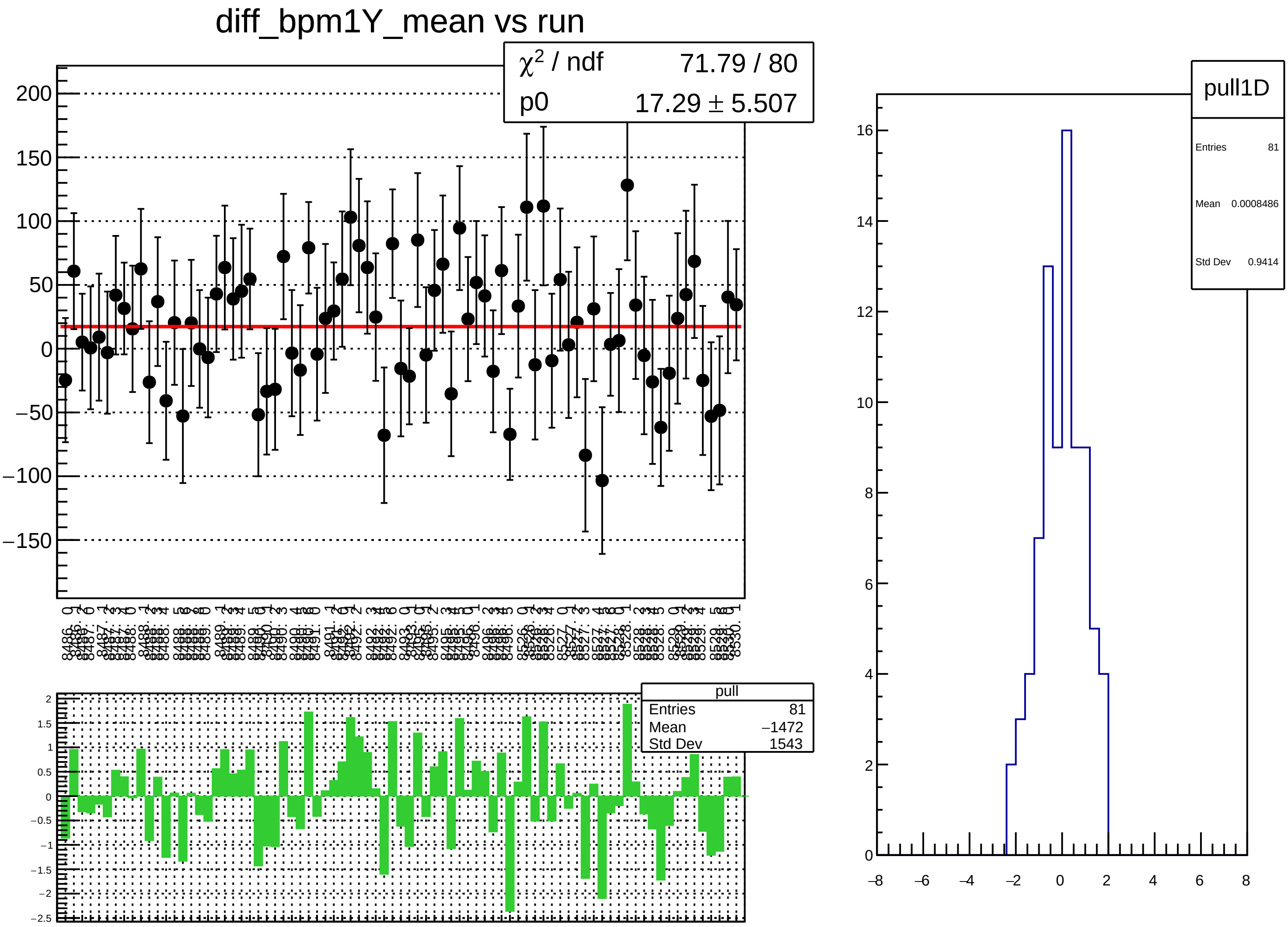


diff_bpm4ecY_rms vs run
χ2 / ndf 7617 / 80
p0 6409 ± 5.044
8000
7500
7000
6500
6000
5500

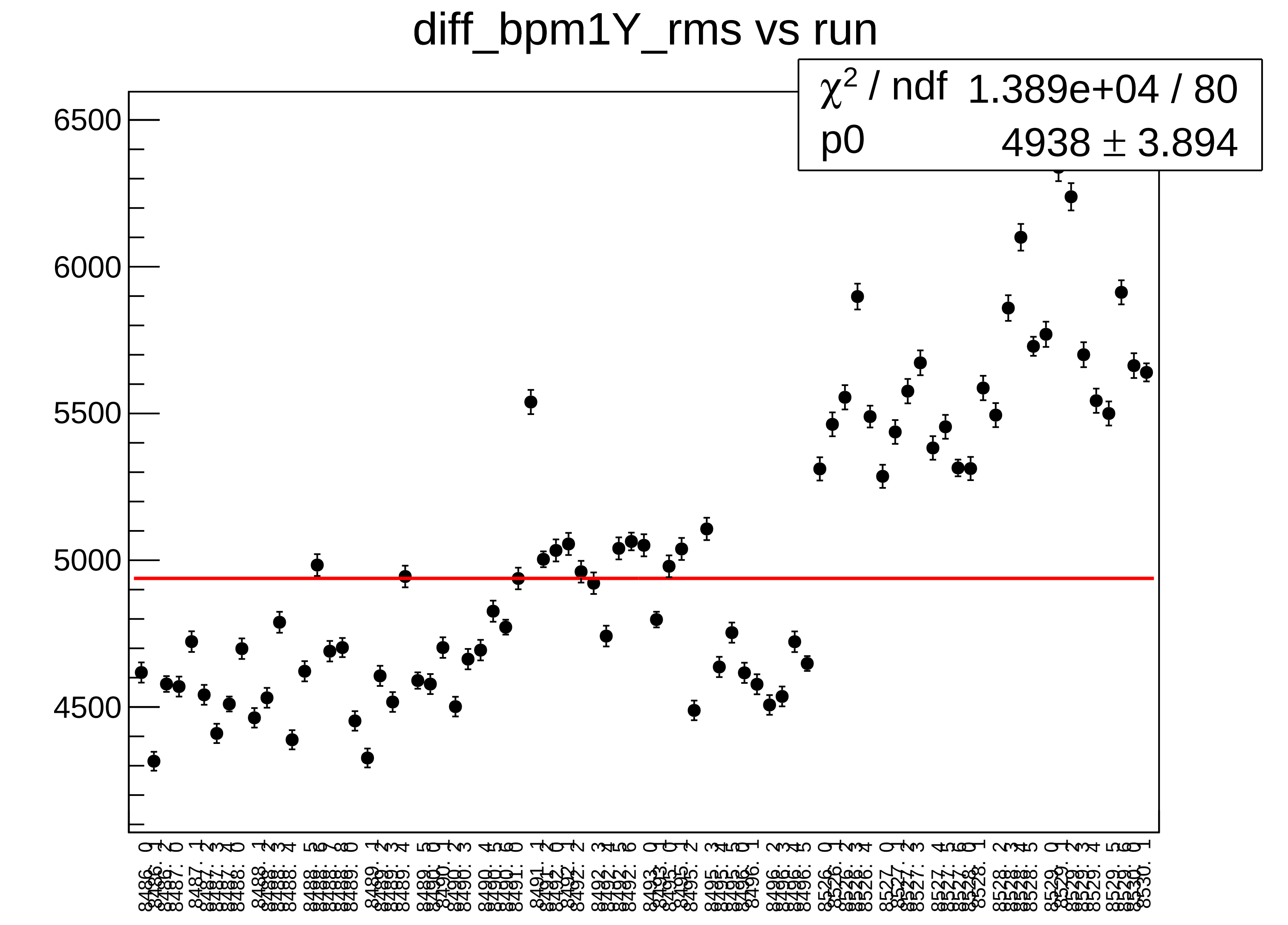

diff_bpm1X_mean vs run
χ^2 / ndf 84.46 / 80
p0 −26.13 ± 19.82
600
400
200
0
−200
−400
−600
pull
Entries 81
Mean 79.89
Std Dev 18.35
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02767
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

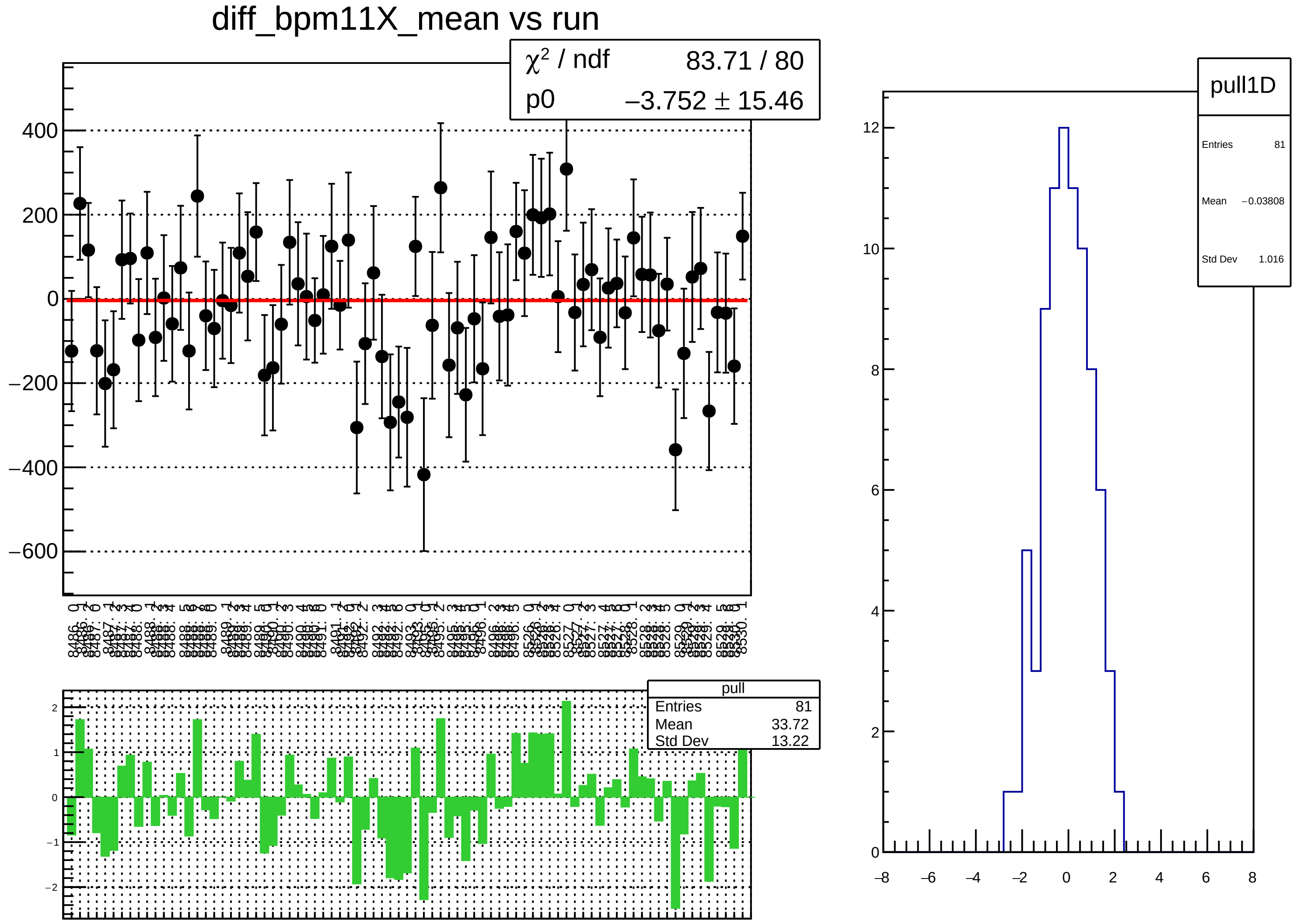


diff_bpm1X_rms vs run
χ^2 / ndf 2061 / 80
p0 1.784e+04 ± 14.01
20000
19500
19000
18500
18000
17500
17000
16500

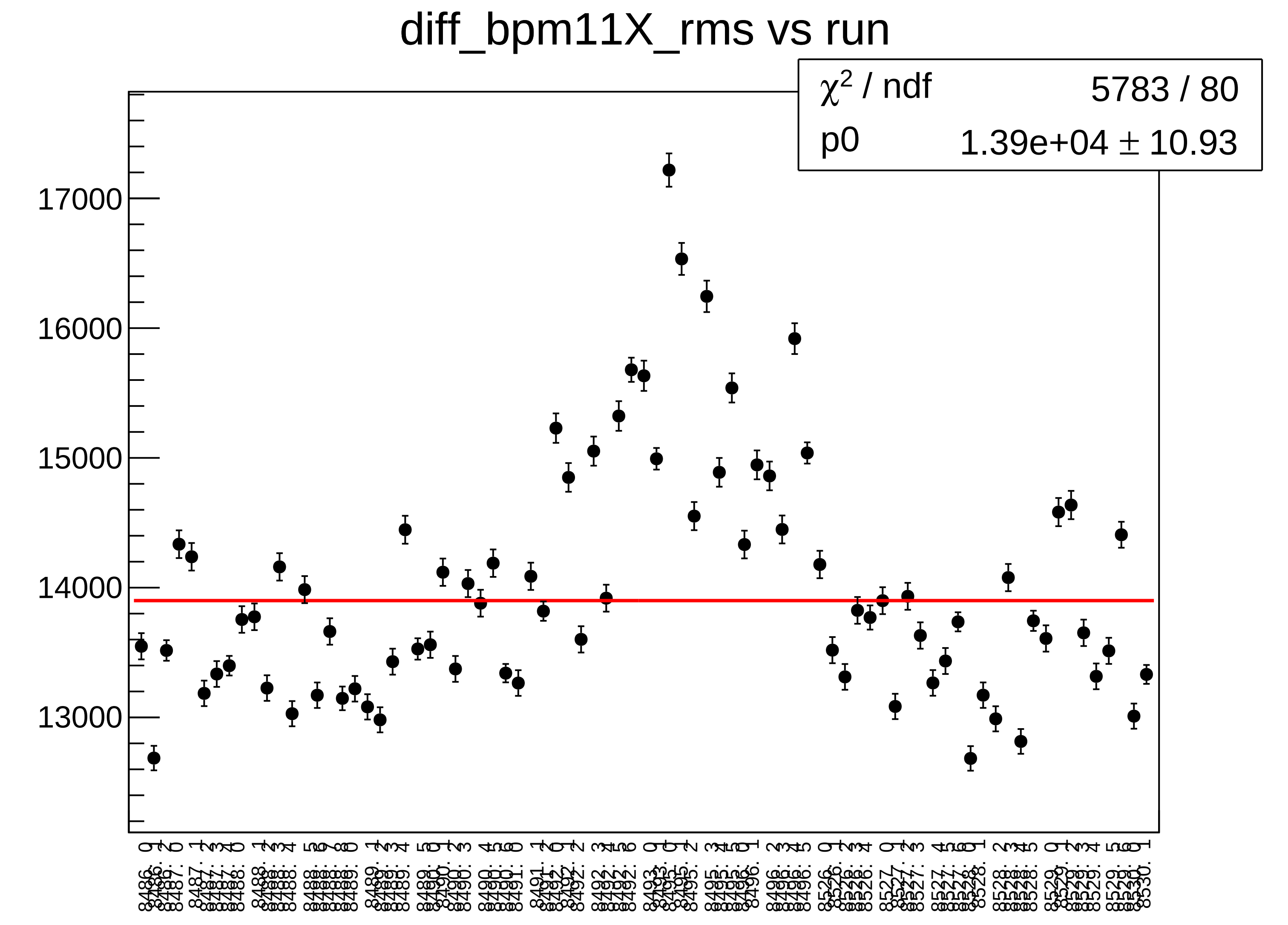


diff_bpm1Y_mean vs run
χ2 / ndf 71.79 / 80
p0 17.29 ± 5.507
pull
Entries 81
Mean −1472
Std Dev 1543
pull1D
Entries 81
Mean 0.0008486
Std Dev 0.9414

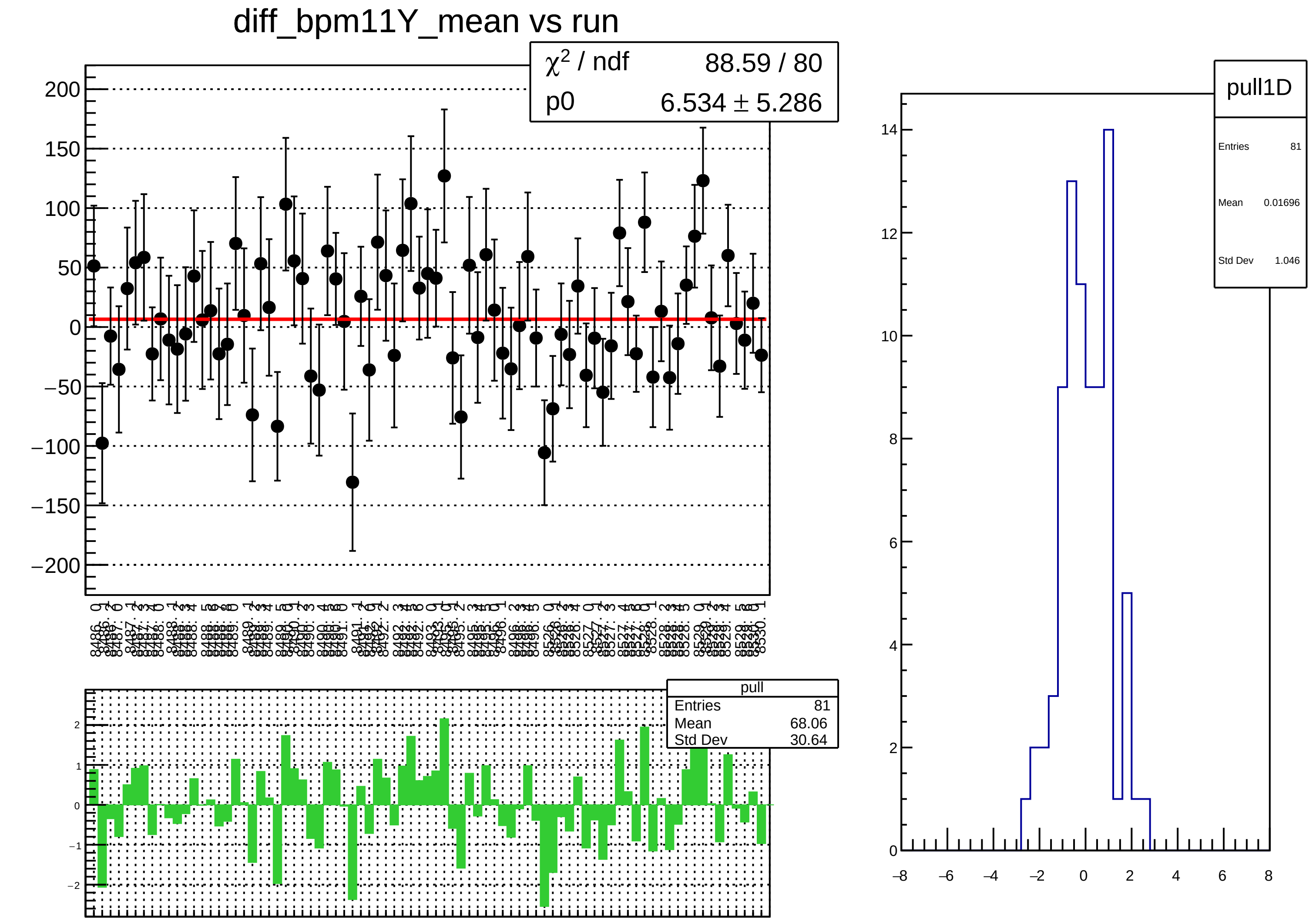

diff_bpm1Y_rms vs run
χ2 / ndf 1.389e+04 / 80
p0 4938 ± 3.894
6500
6000
5500
5000
4500

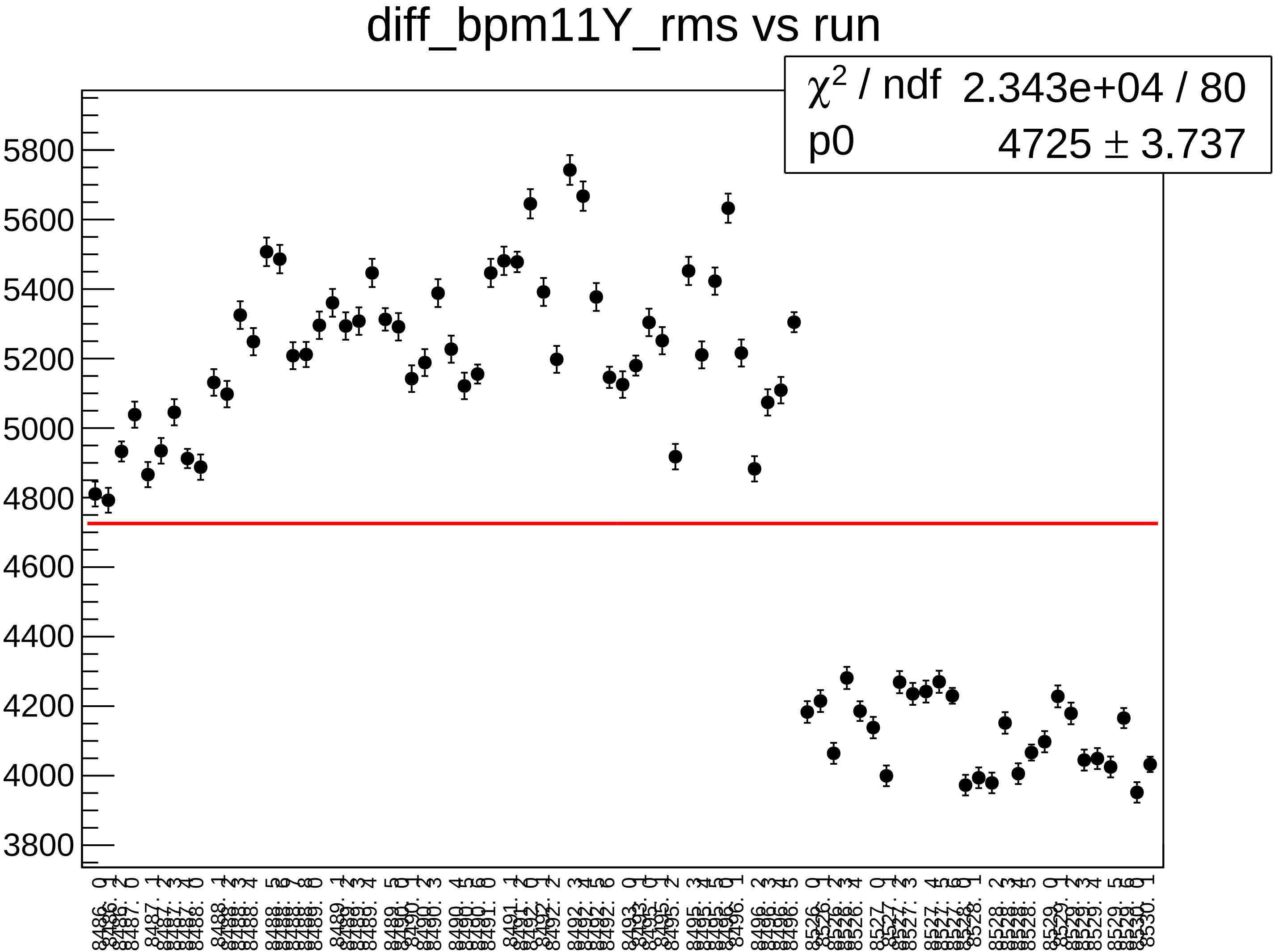


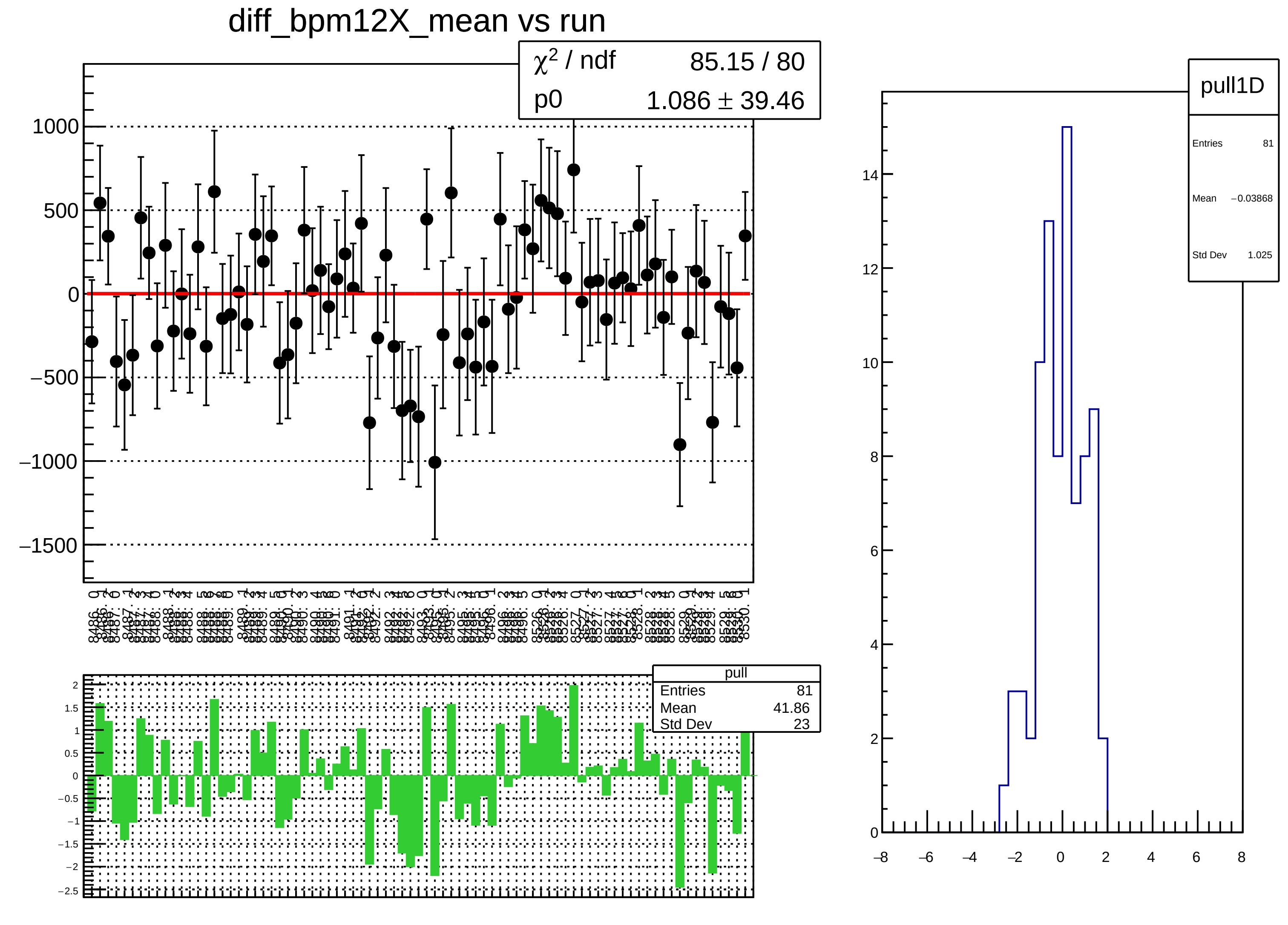
diff_bpm11X_mean vs run
χ^2 / ndf 83.71 / 80
p0 −3.752 ± 15.46
pull
Entries 81
Mean 33.72
Std Dev 13.22
pull1D
Entries 81
Mean −0.03808
Std Dev 1.016



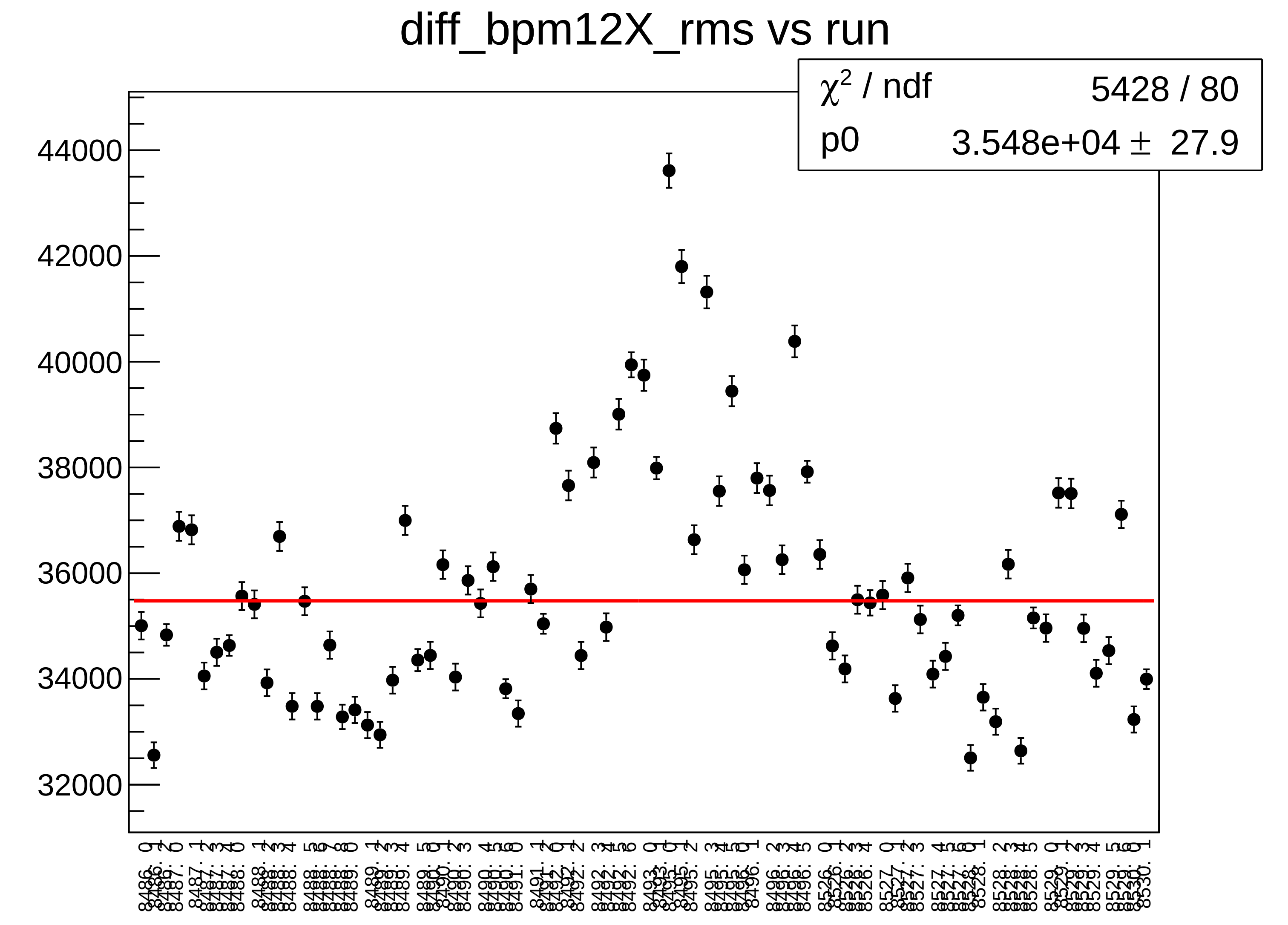
diff_bpm11X_rms vs run
χ2 / ndf 5783 / 80
p0 1.39e+04 ± 10.93
17000
16000
15000
14000
13000


diff_bpm11Y_mean vs run
χ^2 / ndf 88.59 / 80
p0 6.534 ± 5.286
pull
Entries 81
Mean 68.06
Std Dev 30.64
pull1D
Entries 81
Mean 0.01696
Std Dev 1.046

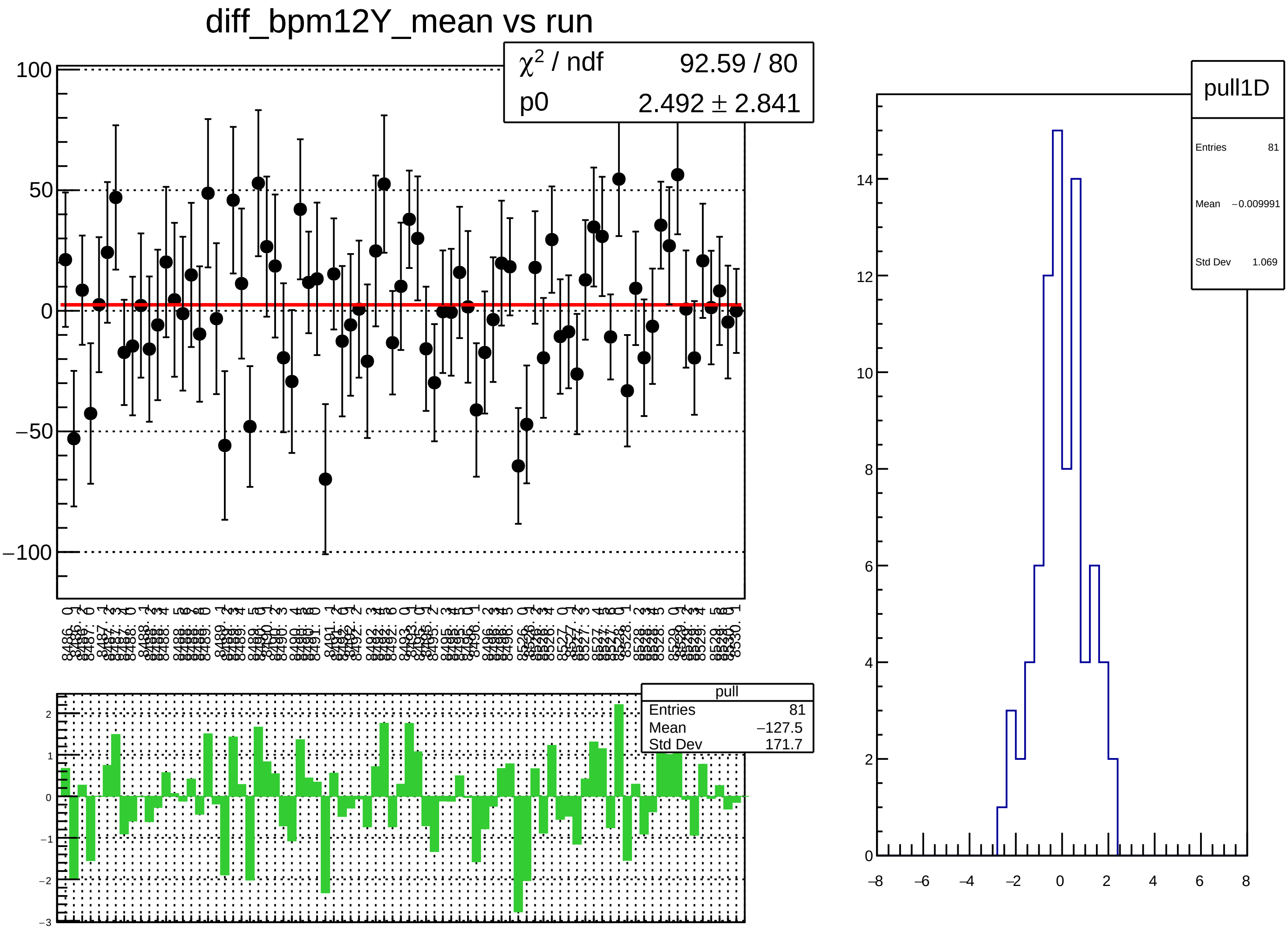

diff_bpm11Y_rms vs run
χ2 / ndf 2.343e+04 / 80
p0 4725 ± 3.737
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800



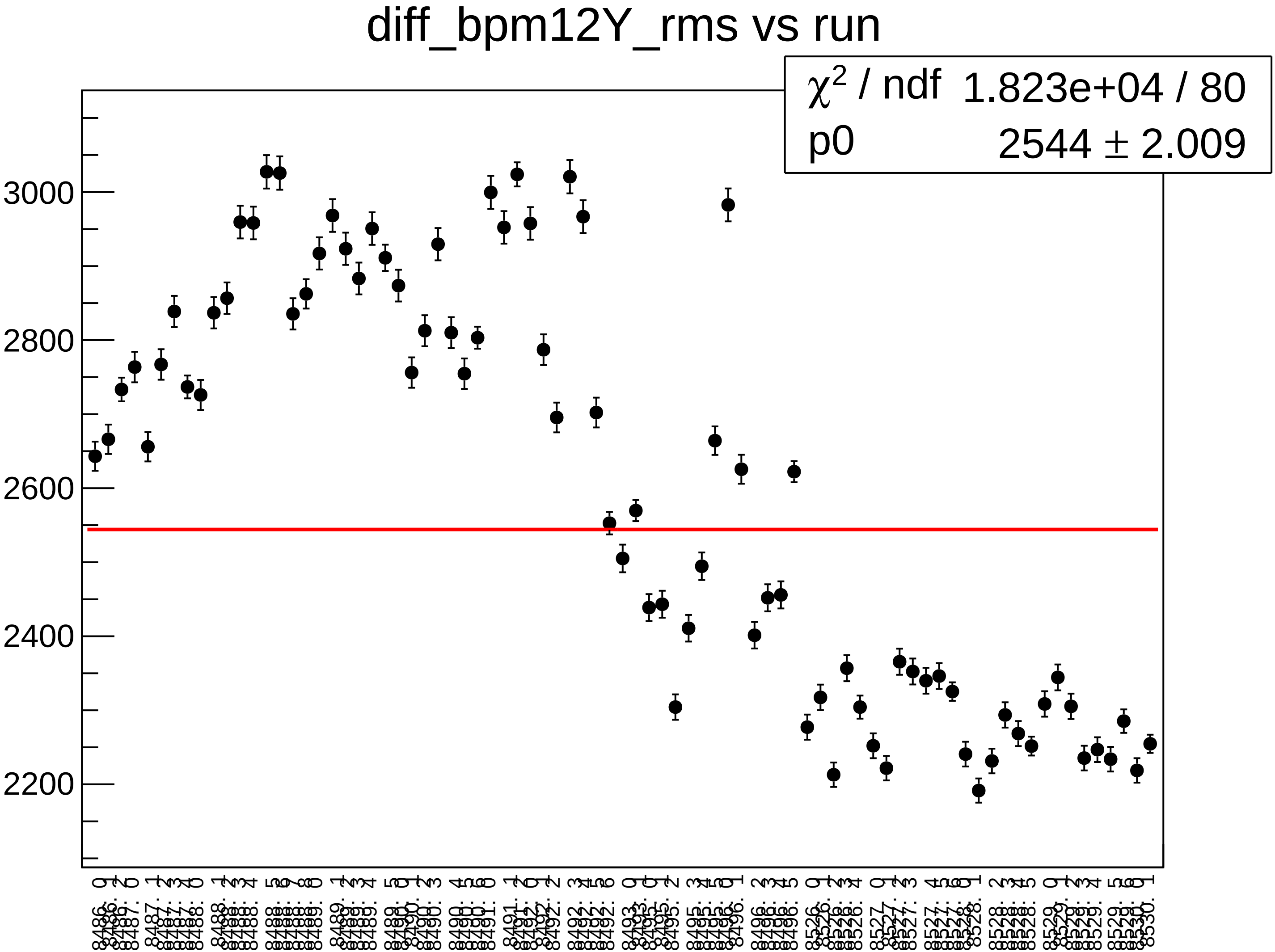
diff_bpm12X_mean vs run
χ^2 / ndf 85.15 / 80
p0 1.086 ± 39.46
pull
Entries 81
Mean 41.86
Std Dev 23
pull1D
Entries 81
Mean −0.03868
Std Dev 1.025

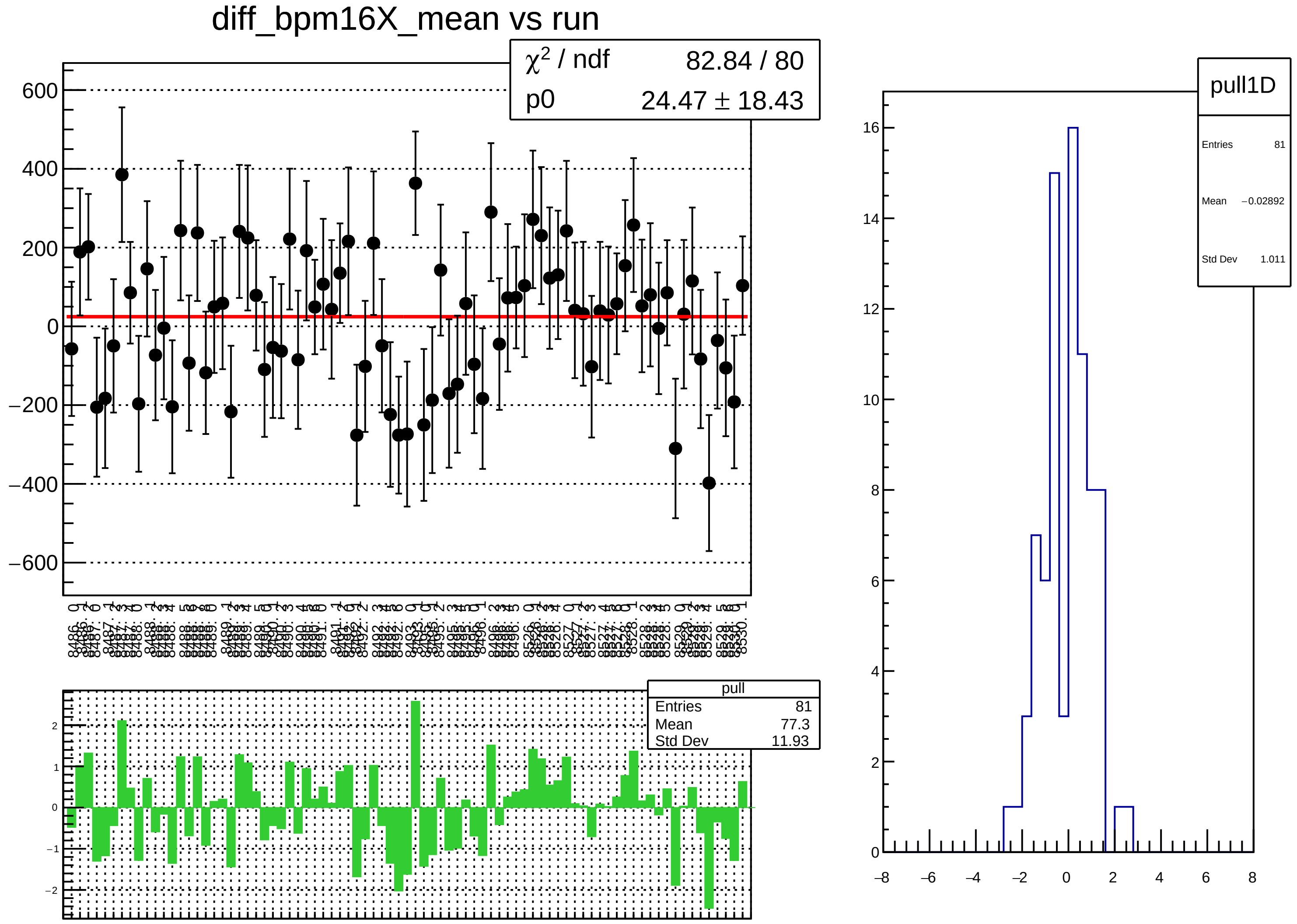


diff_bpm12X_rms vs run
χ^2 / ndf 5428 / 80
p0 3.548e+04 ± 27.9
44000
42000
40000
38000
36000
34000
32000

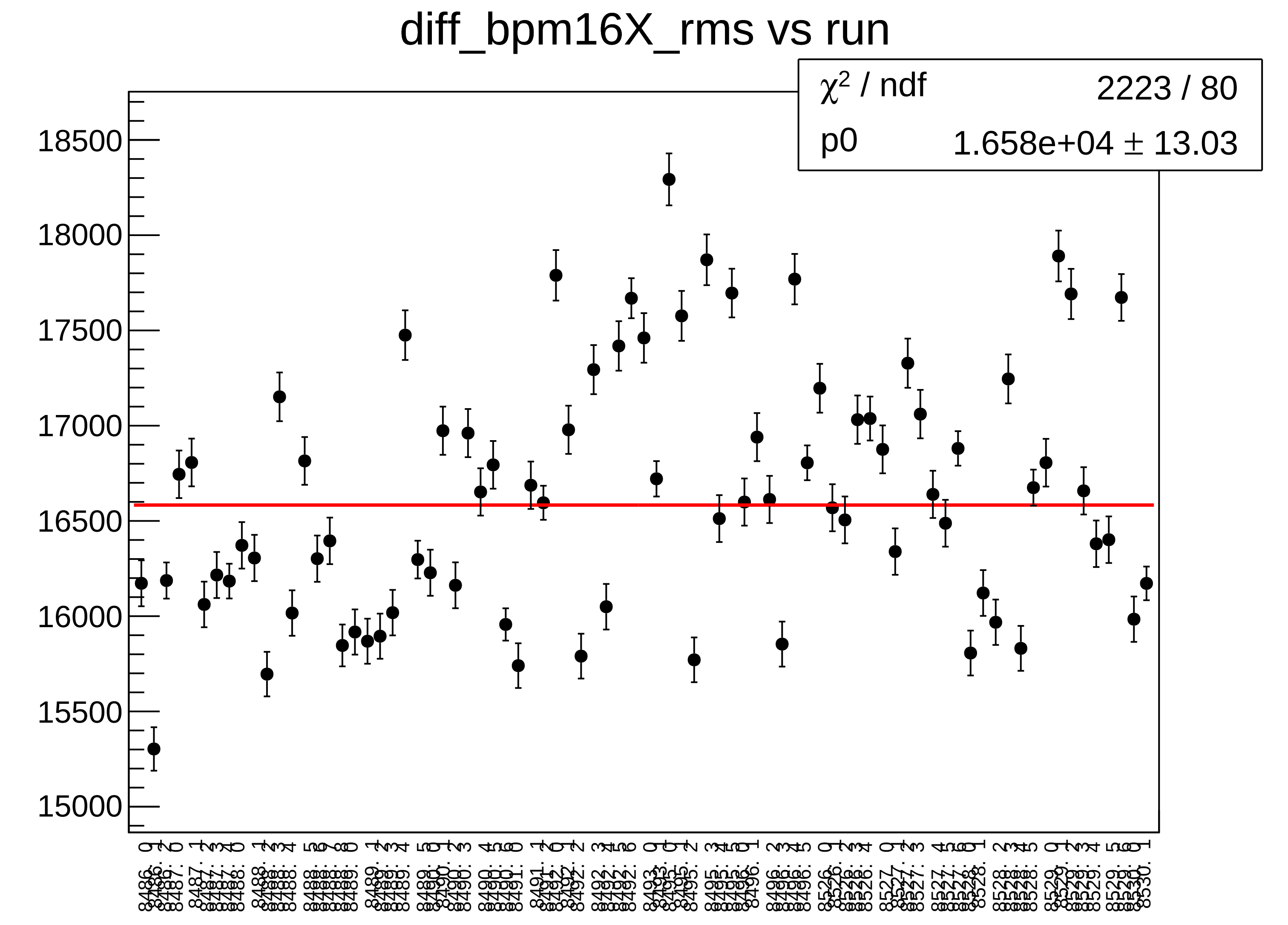


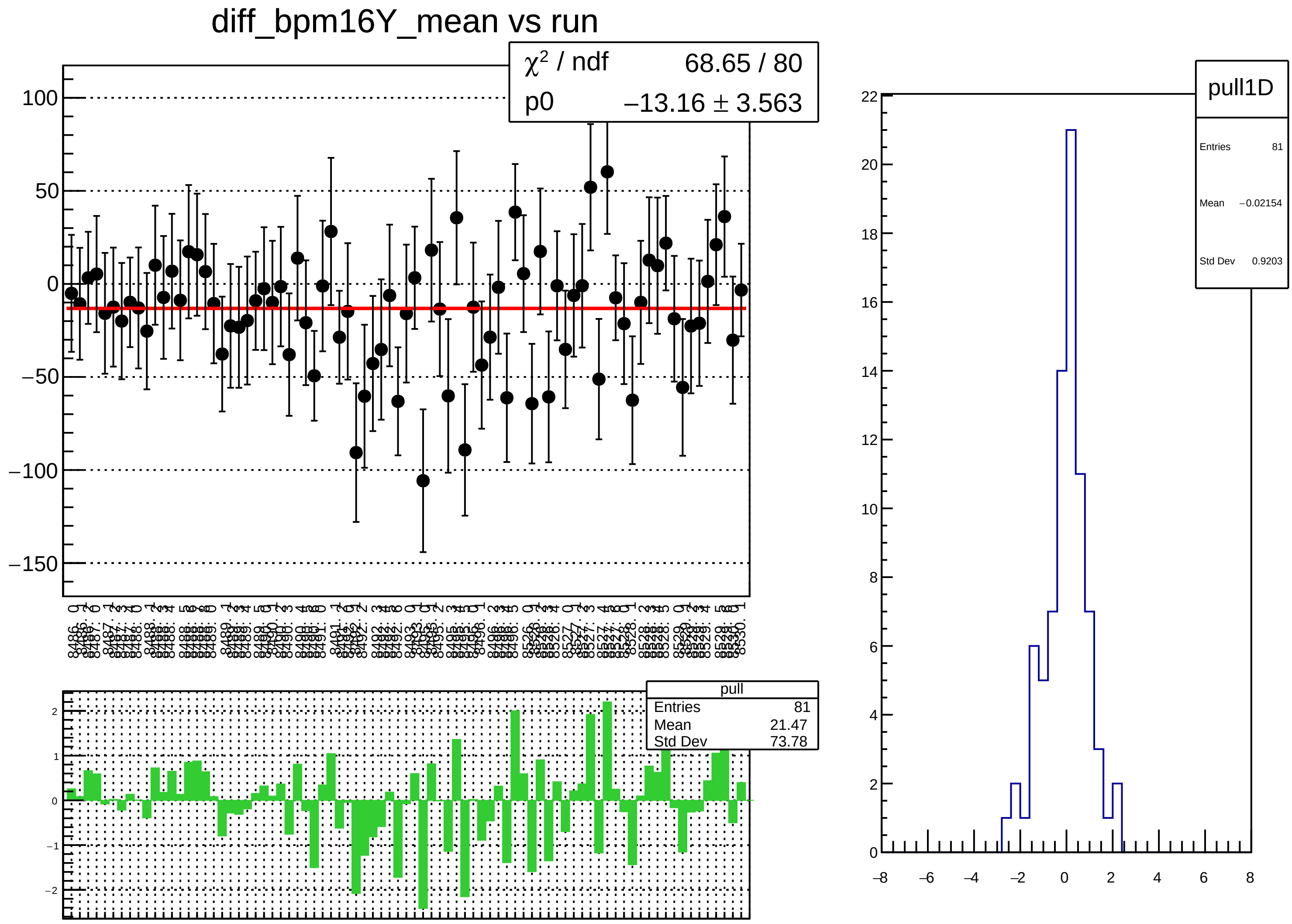
diff_bpm12Y_mean vs run
χ^2 / ndf 92.59 / 80
p0 2.492 ± 2.841
pull
Entries 81
Mean −127.5
Std Dev 171.7
pull1D
Entries 81
Mean −0.009991
Std Dev 1.069


diff_bpm12Y_rms vs run
χ2 / ndf 1.823e+04 / 80
p0 2544 ± 2.009
3000
2800
2600
2400
2200

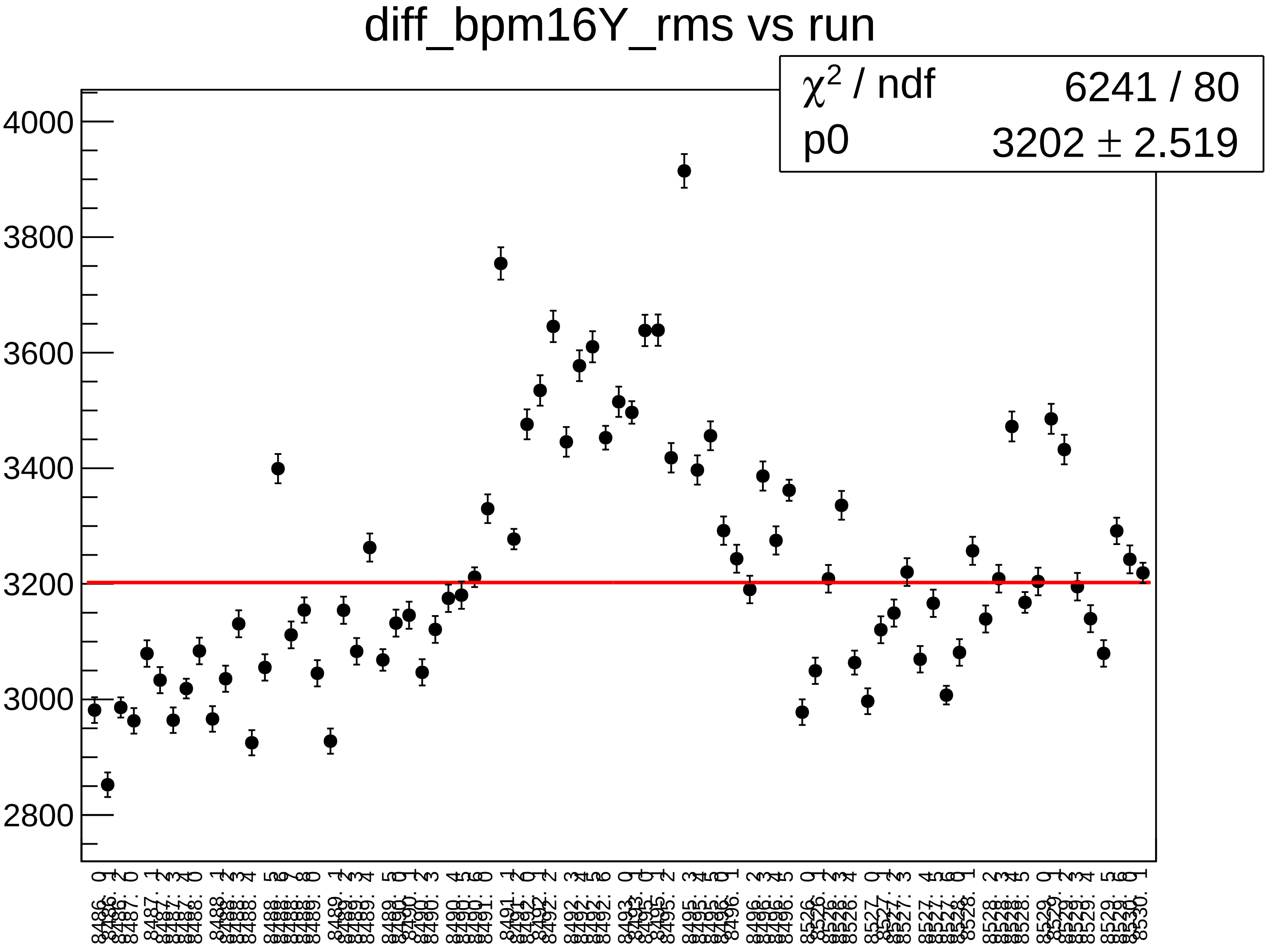


diff_bpm16X_mean vs run
χ2 / ndf 82.84 / 80
p0 24.47 ± 18.43
pull
Entries 81
Mean 77.3
Std Dev 11.93
pull1D
Entries 81
Mean −0.02892
Std Dev 1.011

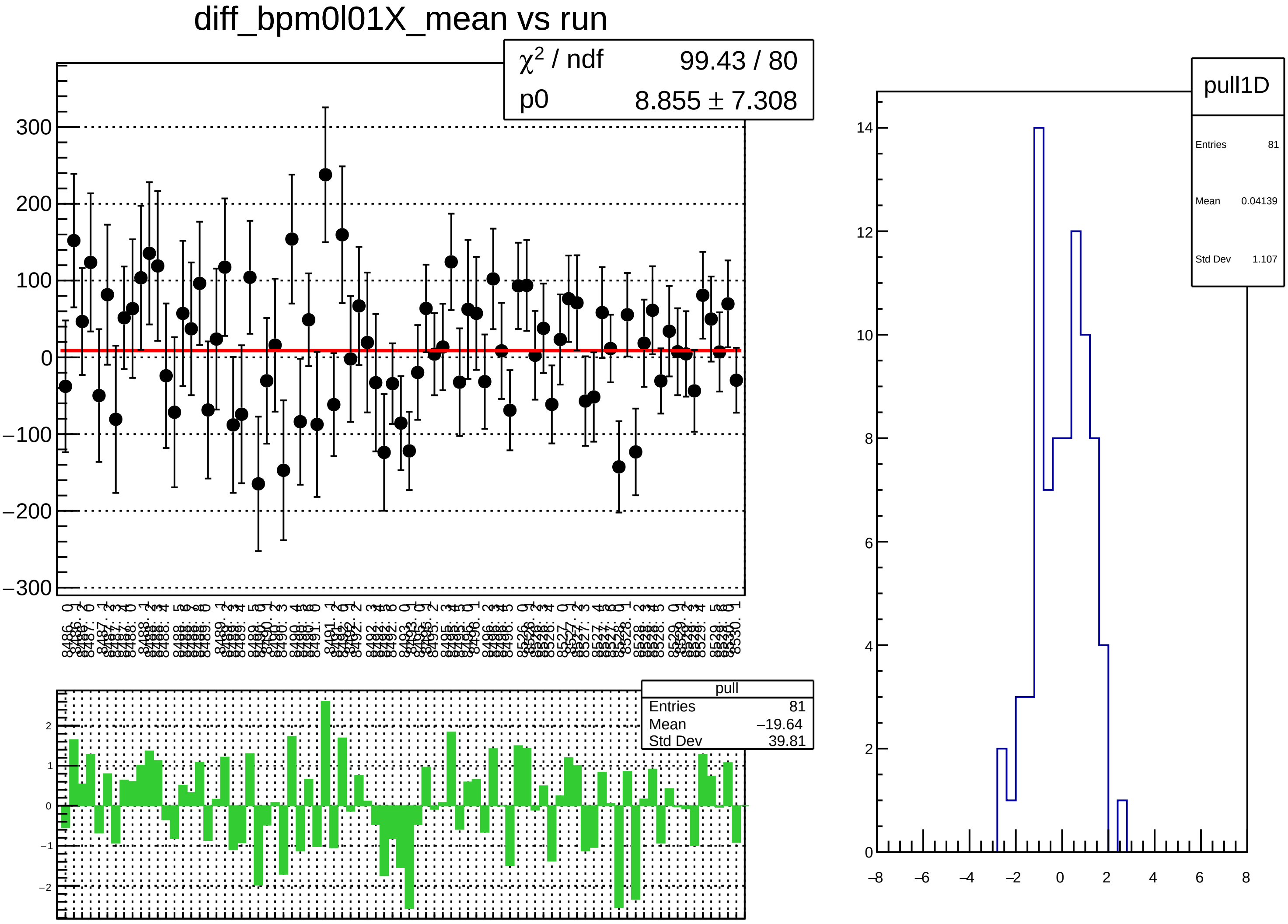

diff_bpm16X_rms vs run
χ2 / ndf 2223 / 80
p0 1.658e+04 ± 13.03



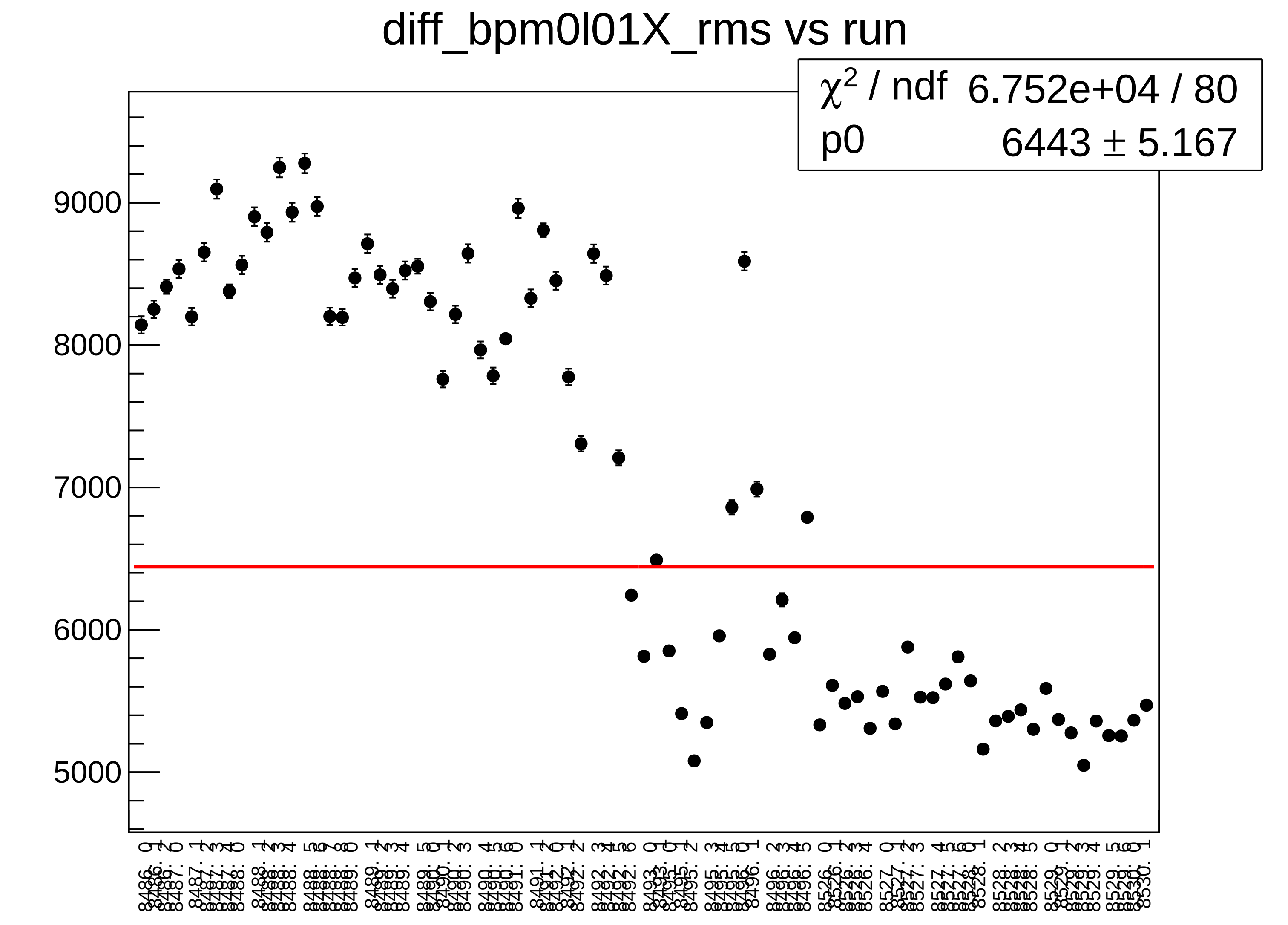
diff_bpm16Y_mean vs run
χ2 / ndf 68.65 / 80
p0 −13.16 ± 3.563
pull
Entries 81
Mean 21.47
Std Dev 73.78
pull1D
Entries 81
Mean −0.02154
Std Dev 0.9203



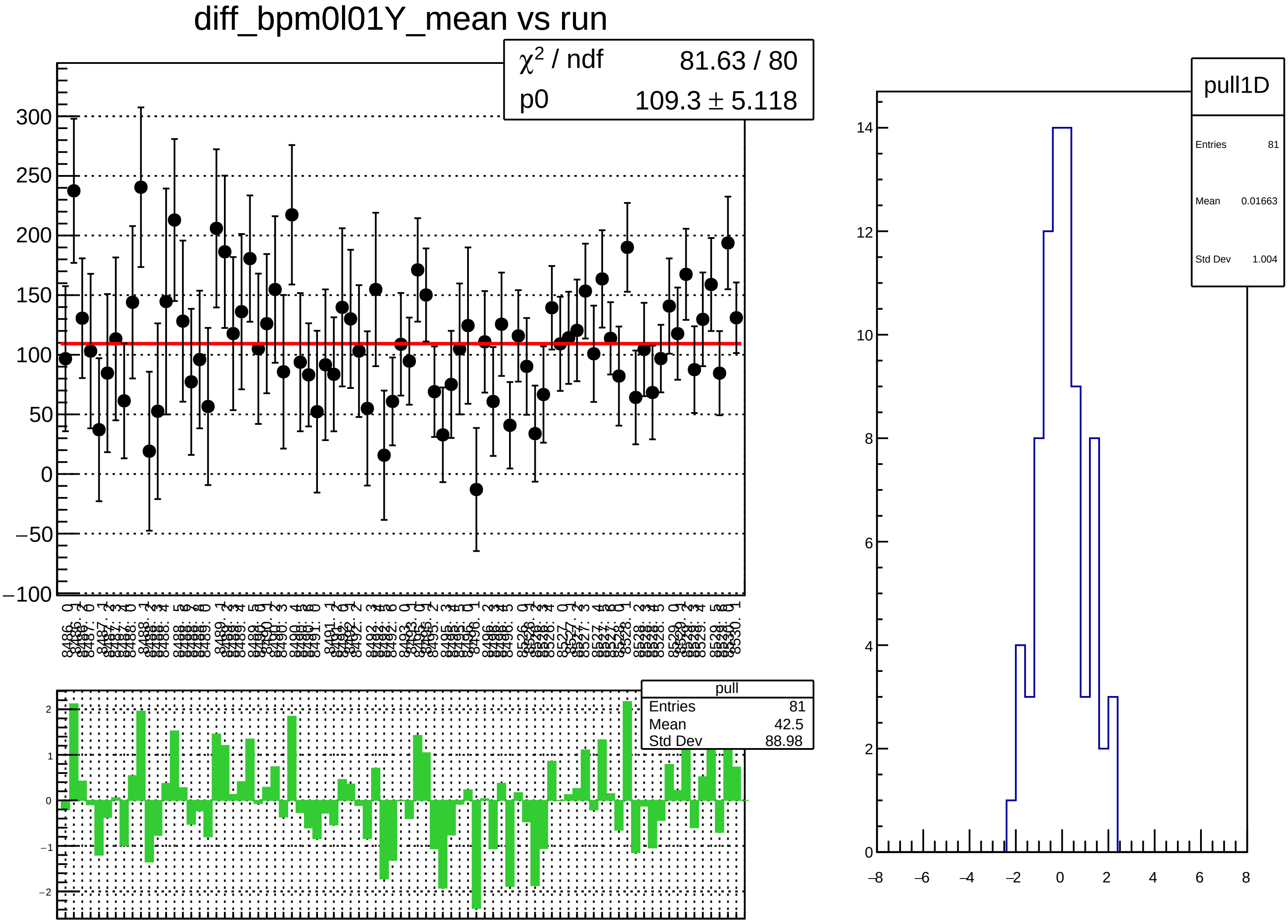
diff_bpm16Y_rms vs run
χ2 / ndf 6241 / 80
p0 3202 ± 2.519
4000
3800
3600
3400
3200
3000
2800

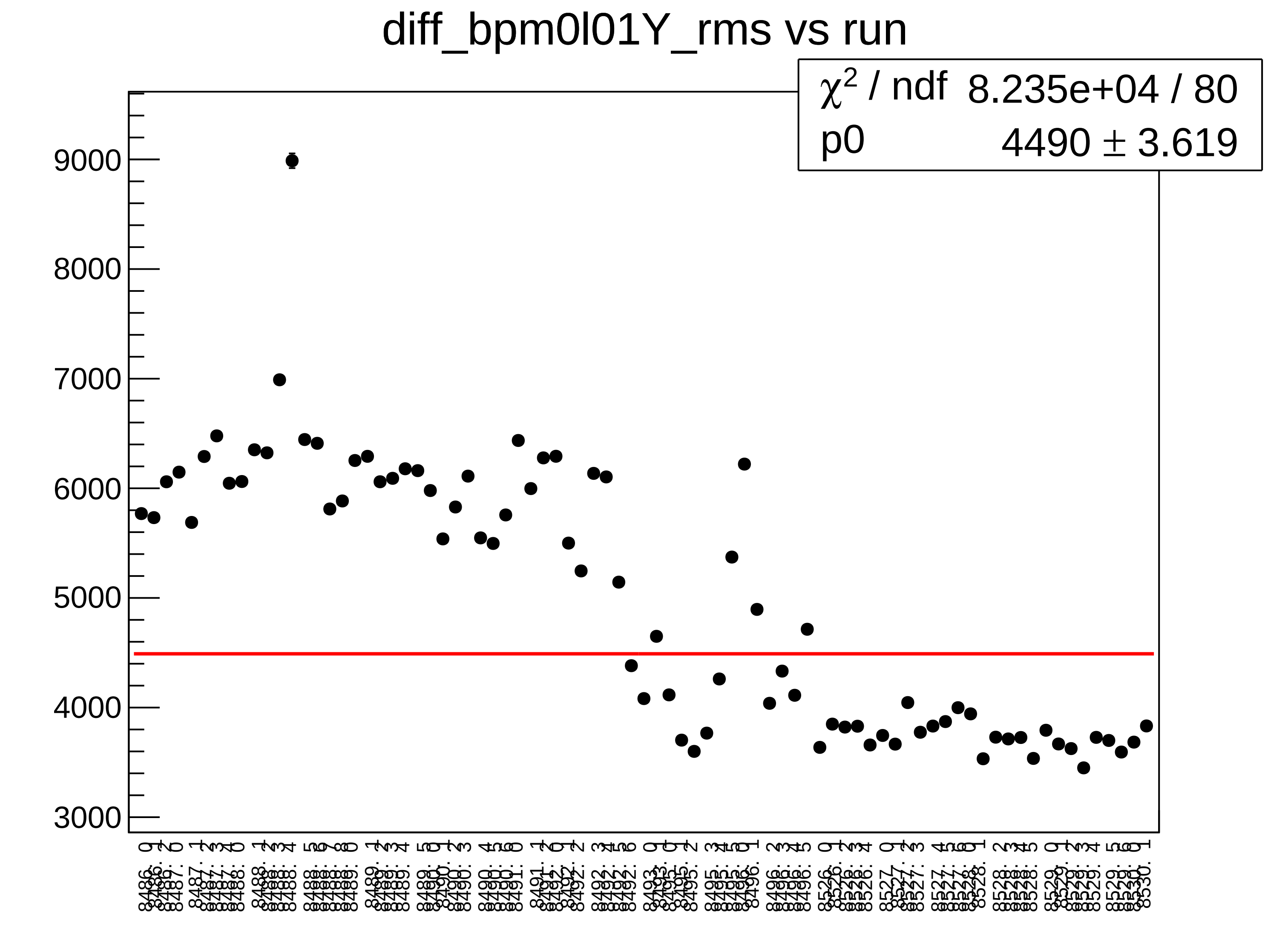


diff_bpm0l01X_mean vs run
χ^2 / ndf 99.43 / 80
p0 8.855 ± 7.308
pull
Entries 81
Mean −19.64
Std Dev 39.81
pull1D
Entries 81
Mean 0.04139
Std Dev 1.107

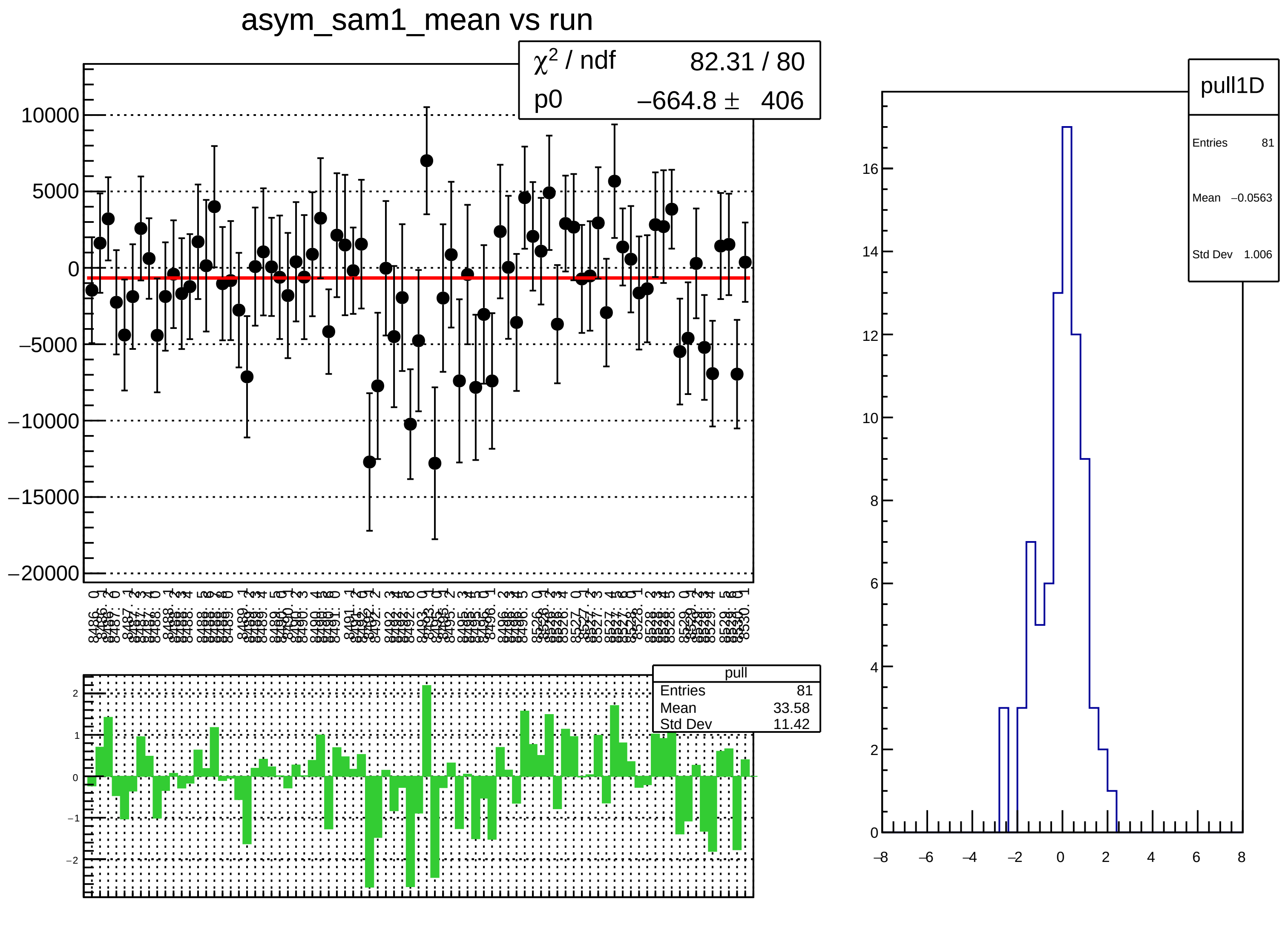


diff_bpm0l01X_rms vs run
χ2 / ndf 6.752e+04 / 80
p0 6443 ± 5.167
9000
8000
7000
6000
5000

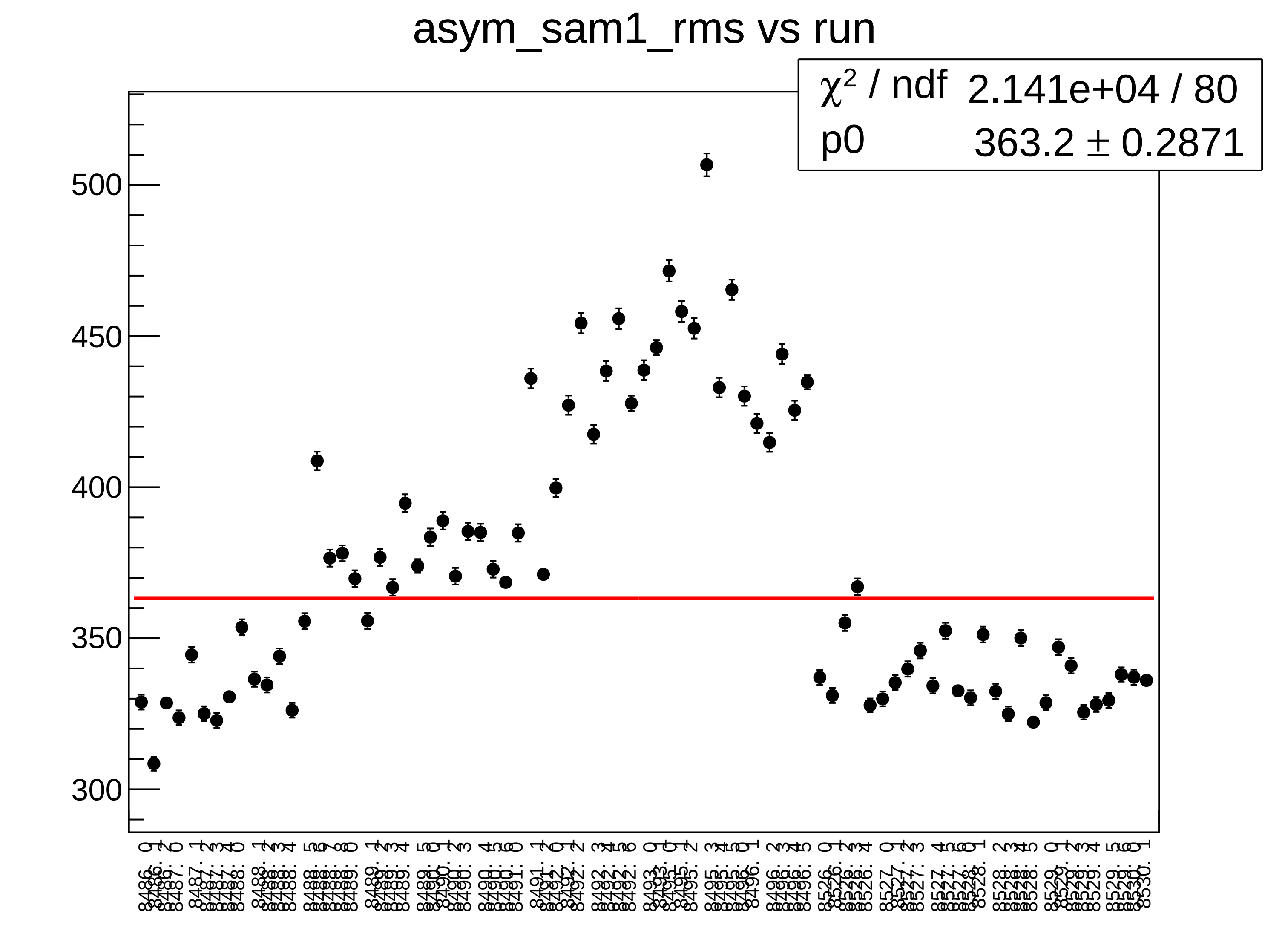

diff_bpm0l01Y_mean vs run
χ^2 / ndf 81.63 / 80
p0 109.3 ± 5.118
pull
Entries 81
Mean 42.5
Std Dev 88.98
pull1D
Entries 81
Mean 0.01663
Std Dev 1.004



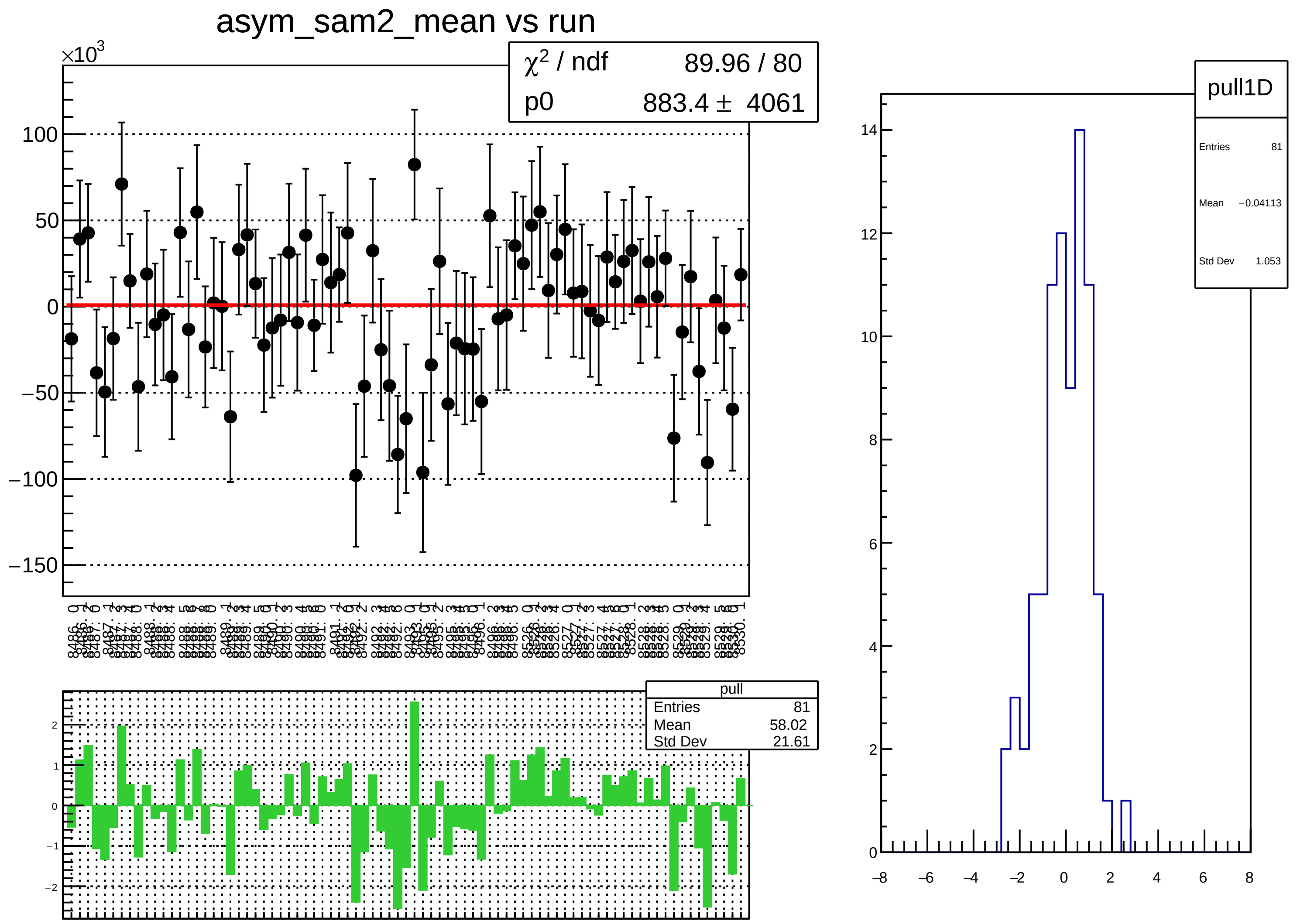
diff_bpm0l01Y_rms vs run
χ2 / ndf 8.235e+04 / 80
p0 4490 ± 3.619
9000
8000
7000
6000
5000
4000
3000



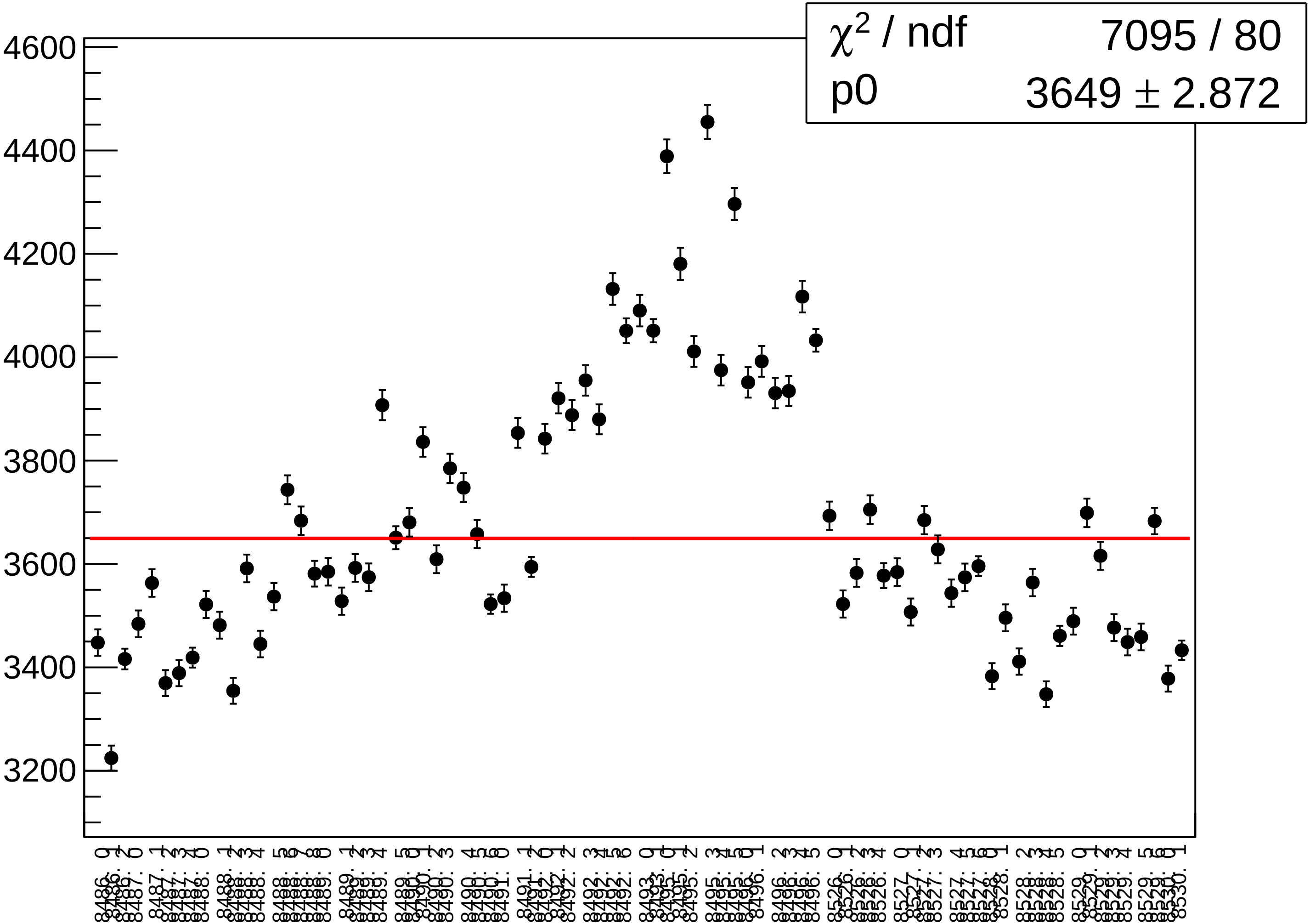
asym_sam1_mean vs run
χ^2 / ndf 82.31 / 80
p0 −664.8 ± 406
pull
Entries 81
Mean 33.58
Std Dev 11.42
pull1D
Entries 81
Mean −0.0563
Std Dev 1.006

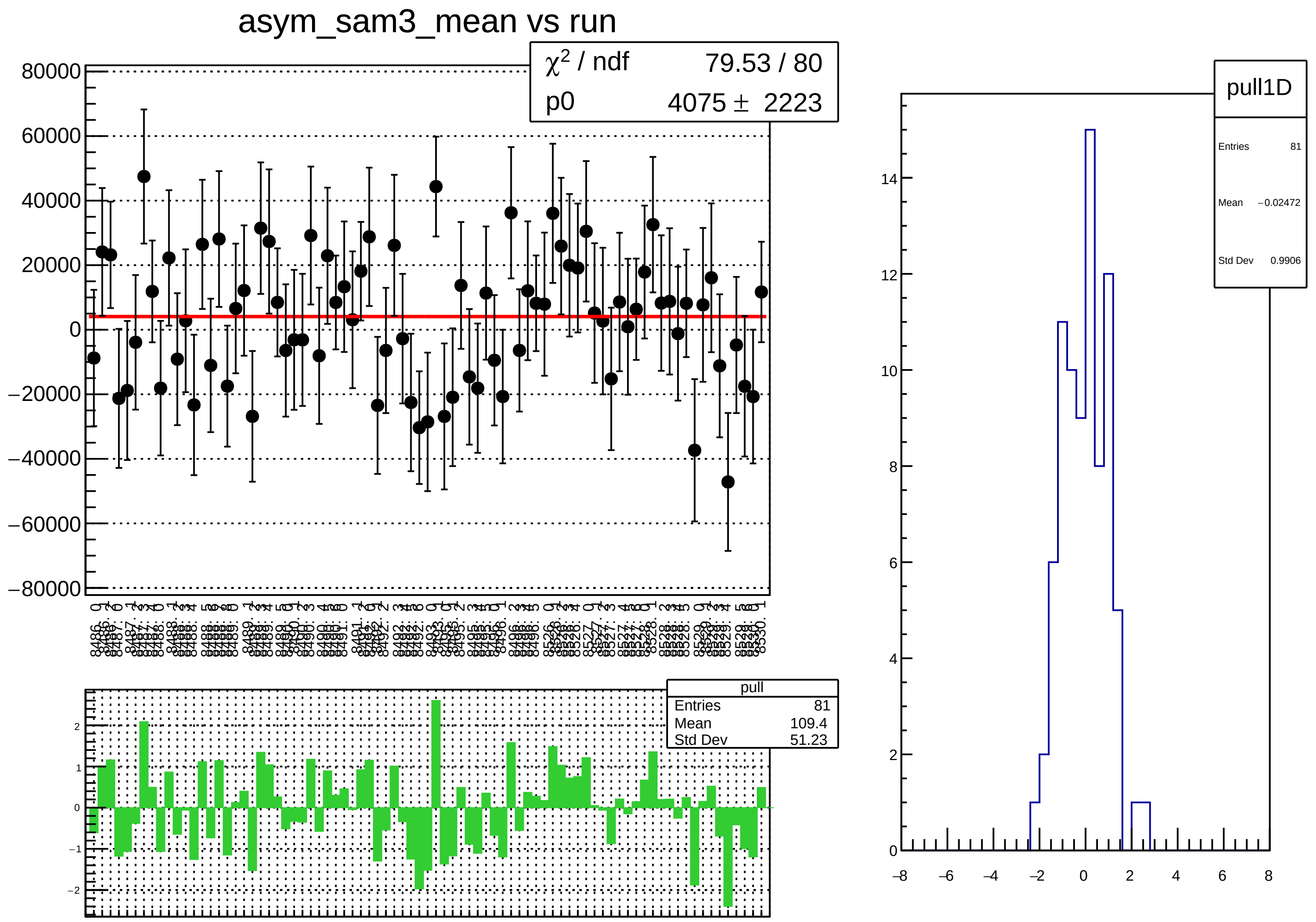


asym_sam1_rms vs run
χ² / ndf 2.141e+04 / 80
p0 363.2 ± 0.2871
500
450
400
350
300

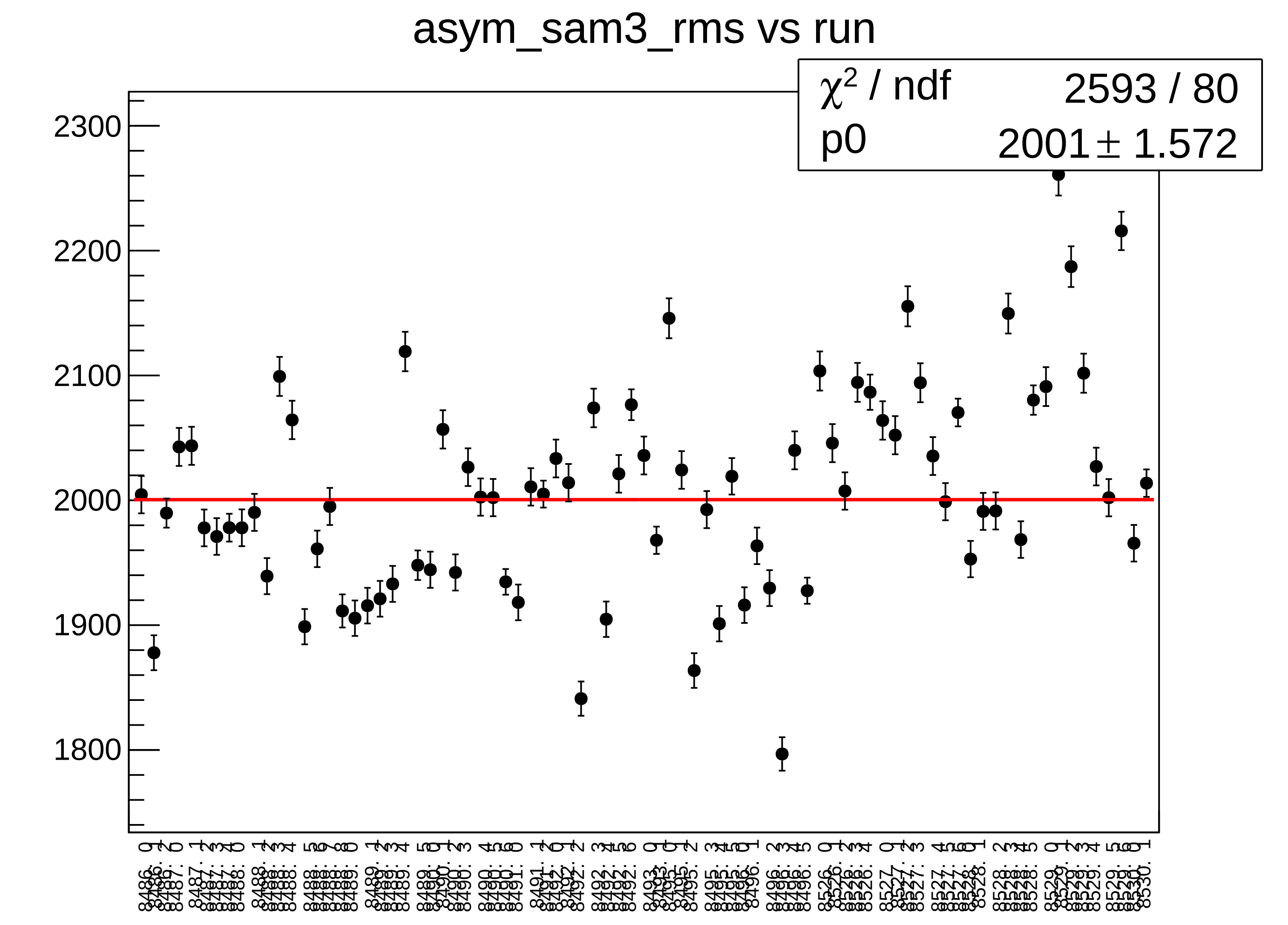

asym_sam2_mean vs run
$\times10^3$
χ^2 / ndf 89.96 / 80
p0 883.4 ± 4061
pull
Entries 81
Mean 58.02
Std Dev 21.61
pull1D
Entries 81
Mean −0.04113
Std Dev 1.053

asym_sam2_rms vs run

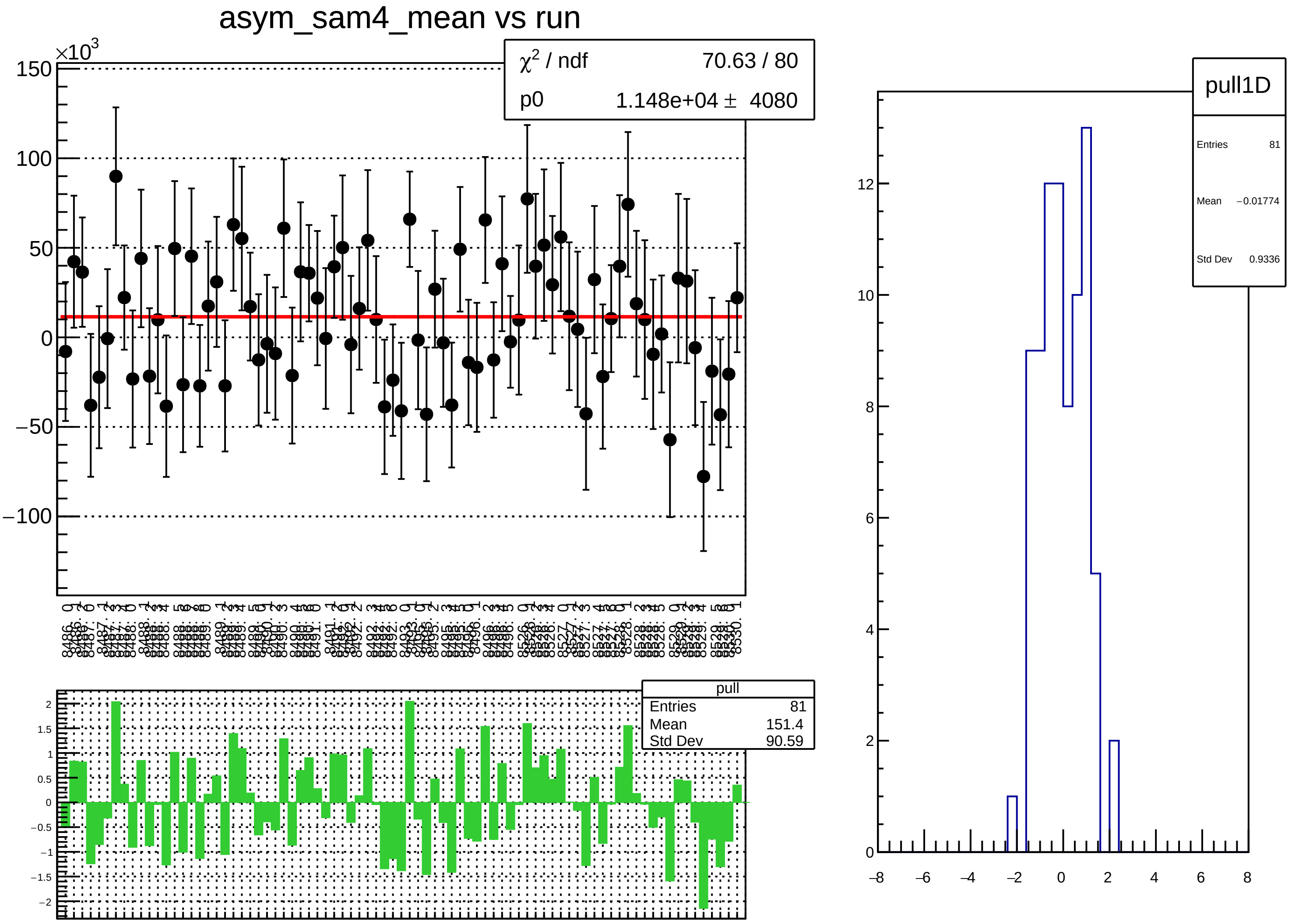




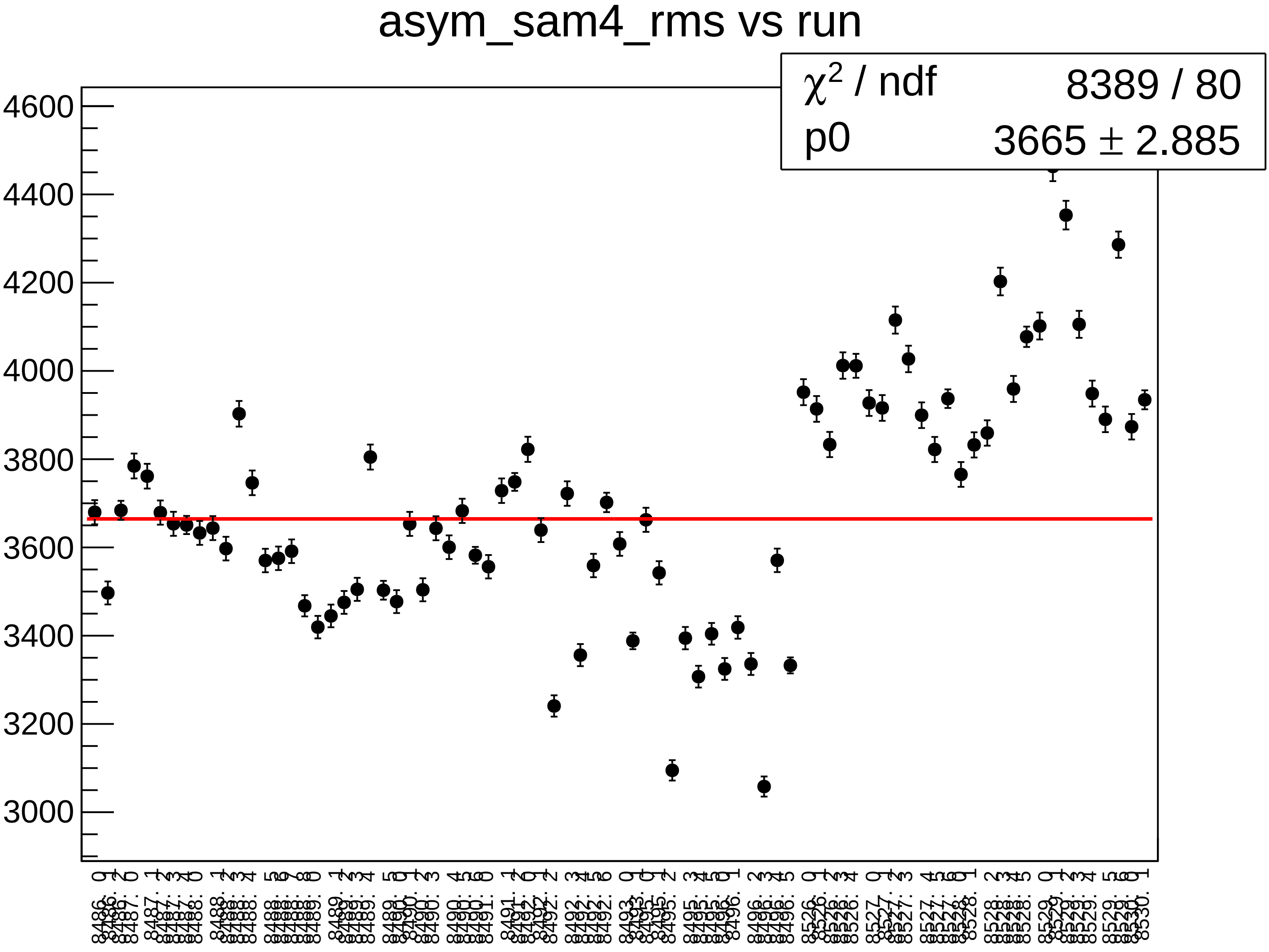
asym_sam3_mean vs run
χ^2 / ndf 79.53 / 80
p0 4075 ± 2223
pull
Entries 81
Mean 109.4
Std Dev 51.23
pull1D
Entries 81
Mean −0.02472
Std Dev 0.9906



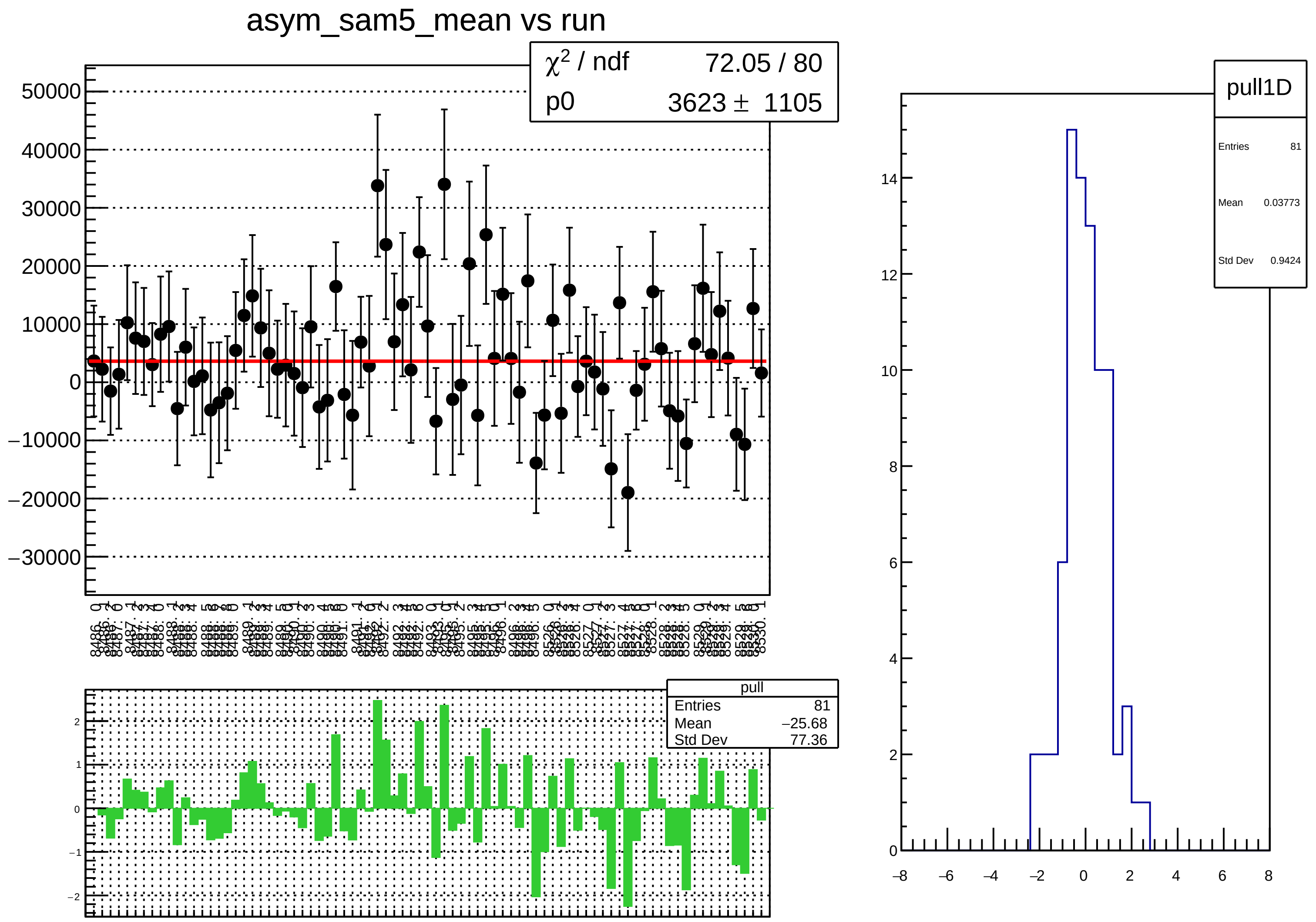
asym_sam3_rms vs run
χ^2 / ndf 2593 / 80
p0 2001 ± 1.572
2300
2200
2100
2000
1900
1800



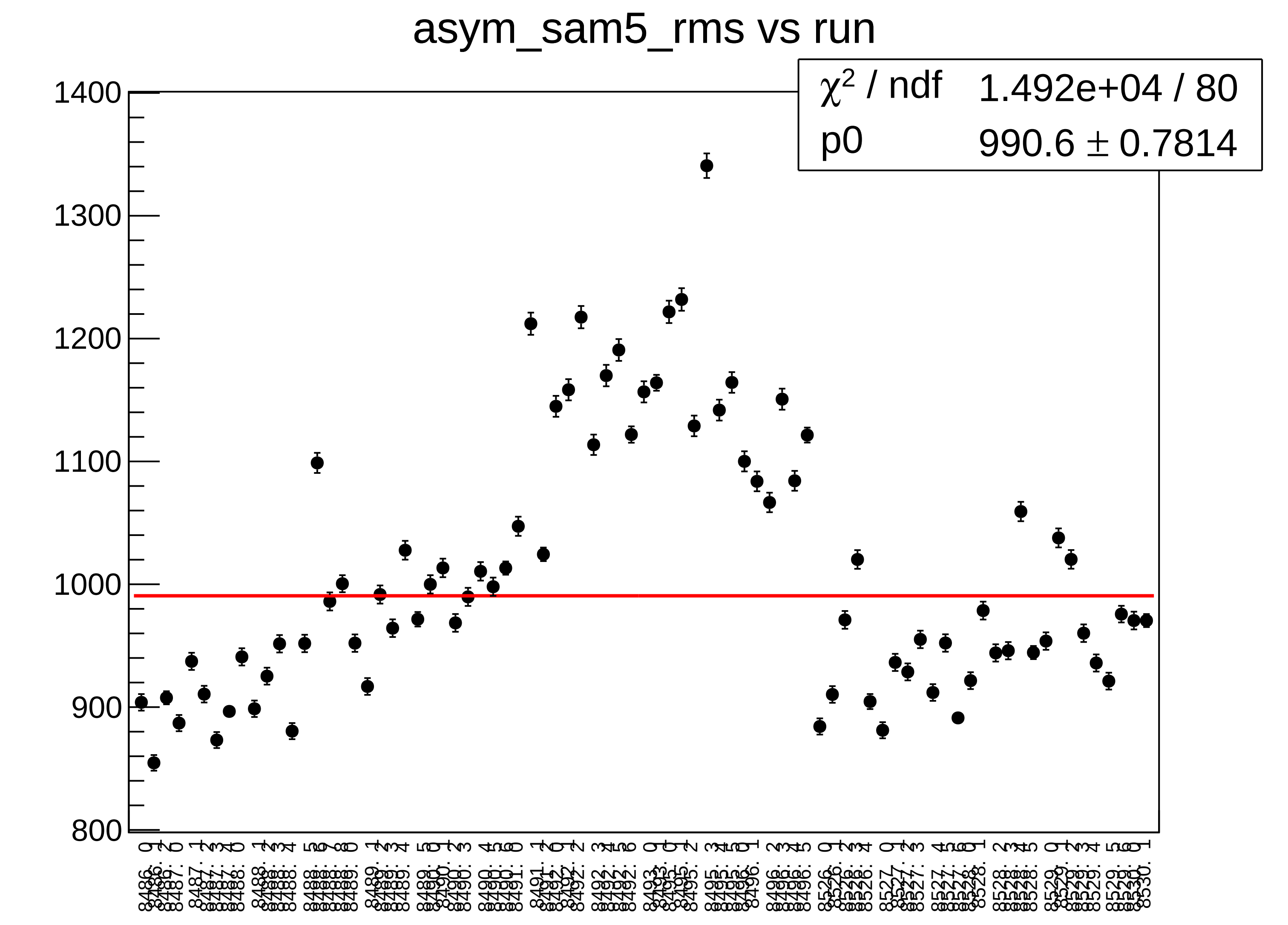
asym_sam4_mean vs run
χ2 / ndf 70.63 / 80
p0 1.148e+04 ± 4080
×10^3
pull
Entries 81
Mean 151.4
Std Dev 90.59
pull1D
Entries 81
Mean −0.01774
Std Dev 0.9336



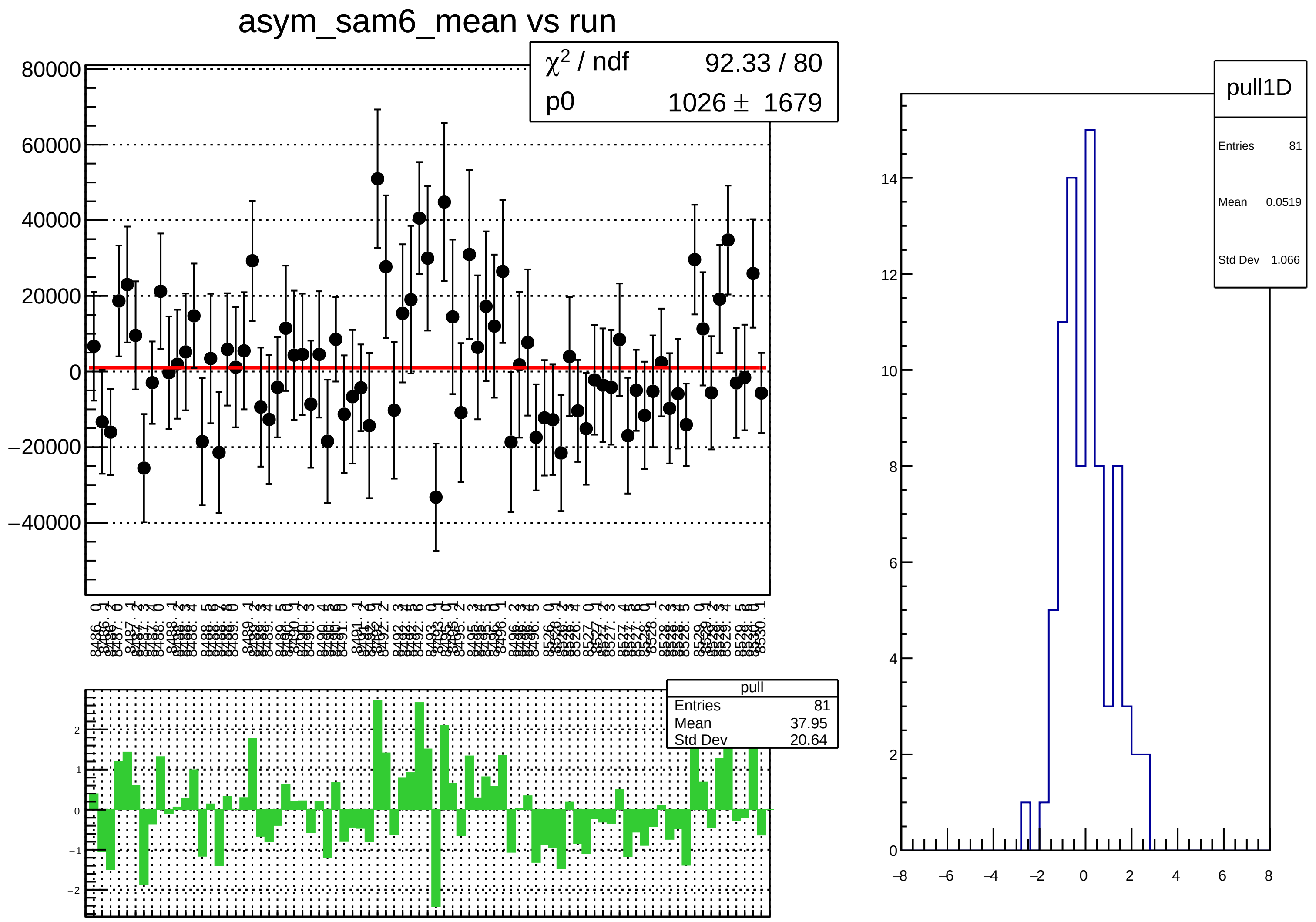
asym_sam4_rms vs run
χ2 / ndf 8389 / 80
p0 3665 ± 2.885
4600
4400
4200
4000
3800
3600
3400
3200
3000



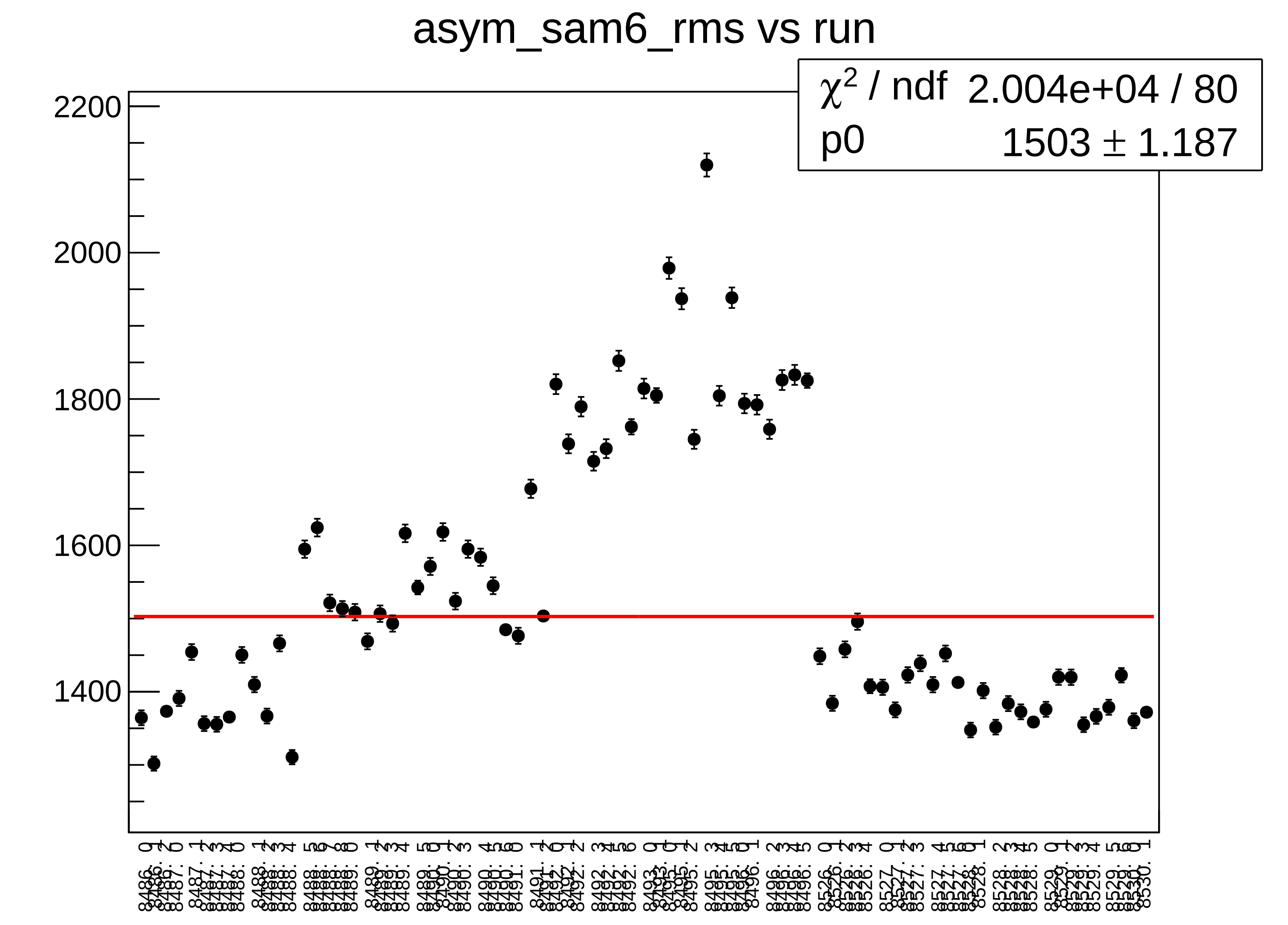
asym_sam5_mean vs run
χ^2 / ndf 72.05 / 80
p0 3623 ± 1105
pull
Entries 81
Mean −25.68
Std Dev 77.36
pull1D
Entries 81
Mean 0.03773
Std Dev 0.9424



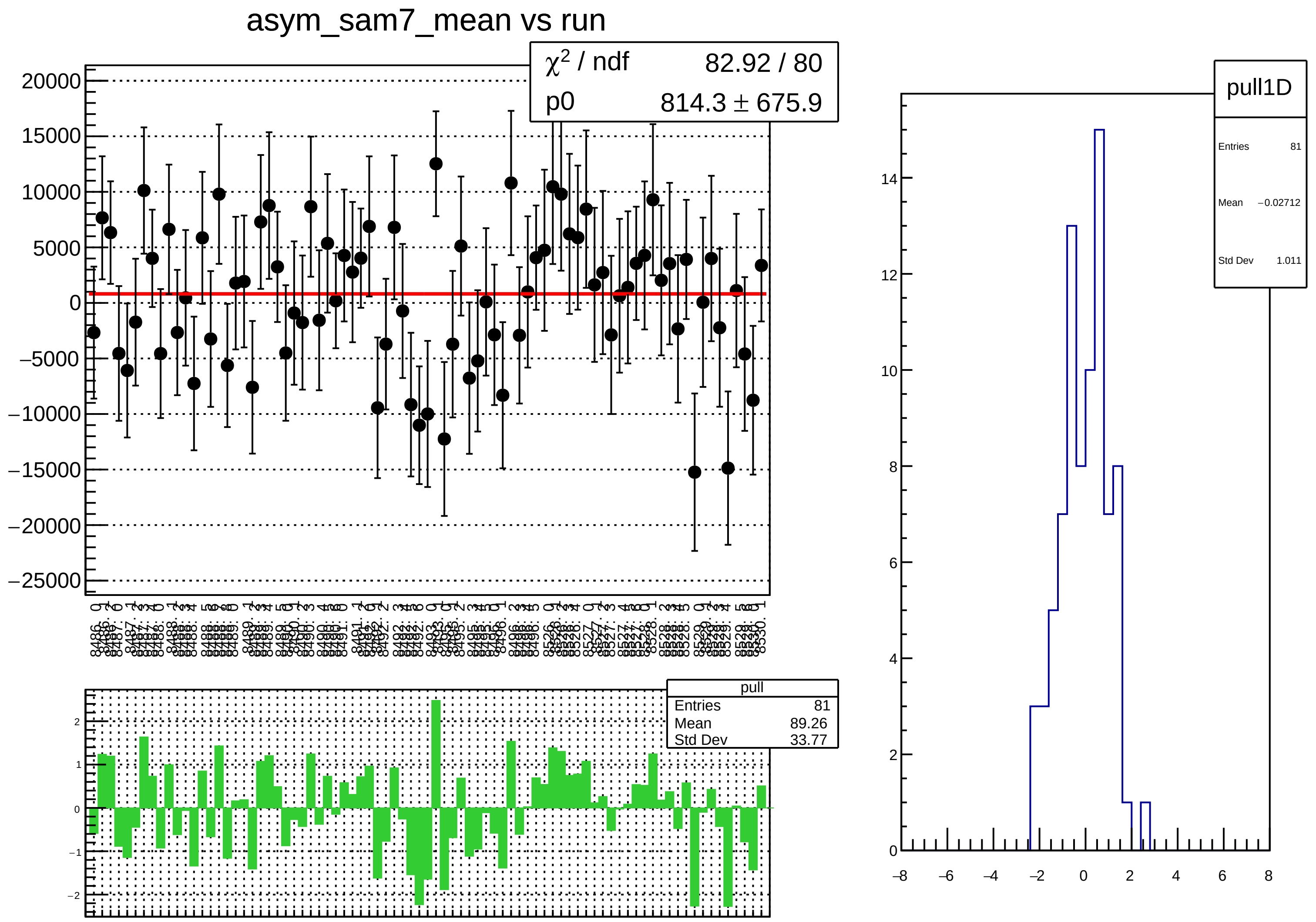
asym_sam5_rms vs run
χ^2 / ndf 1.492e+04 / 80
p0 990.6 ± 0.7814
1400
1300
1200
1100
1000
900
800



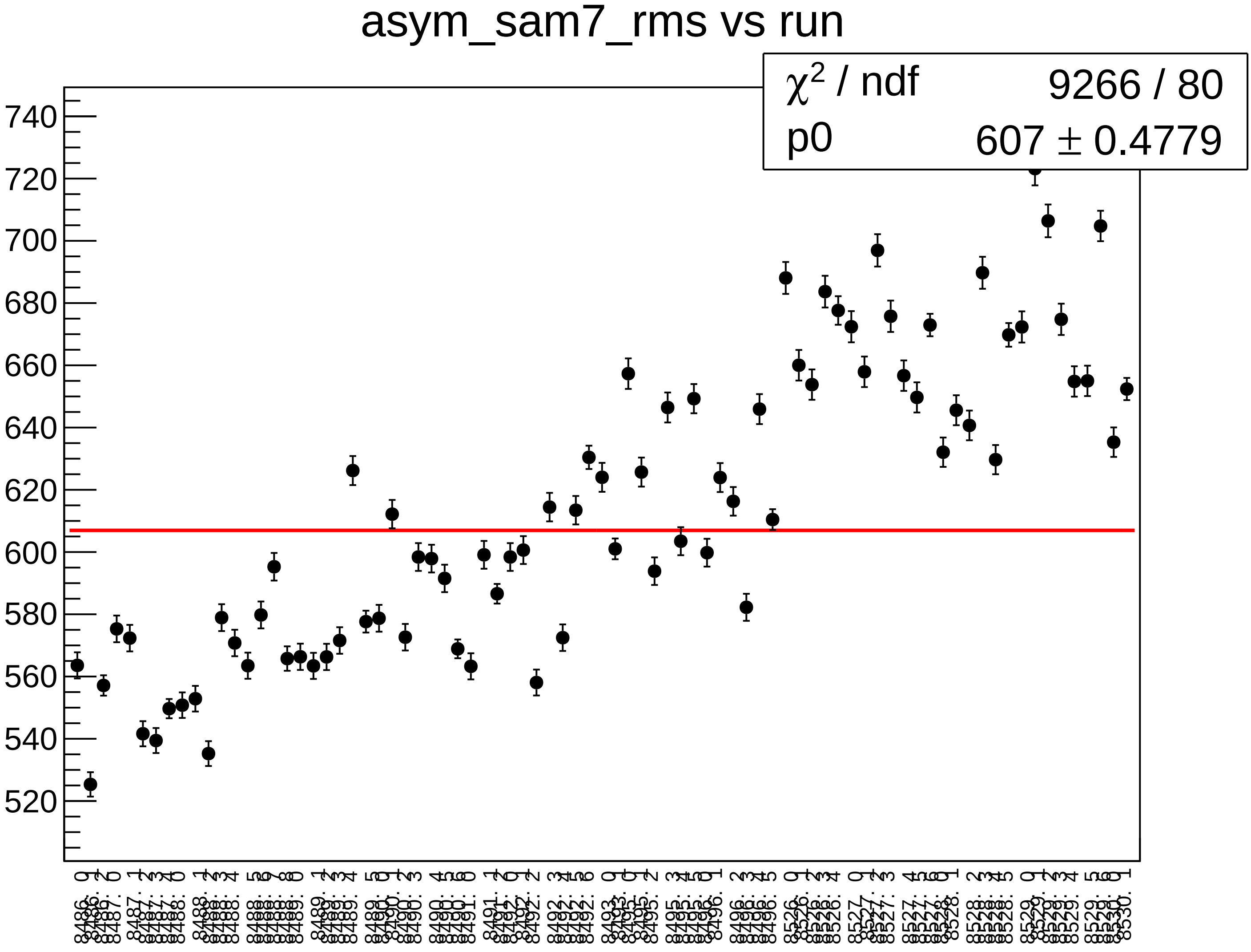
asym_sam6_mean vs run
χ^2 / ndf 92.33 / 80
p0 1026 ± 1679
pull
Entries 81
Mean 37.95
Std Dev 20.64
pull1D
Entries 81
Mean 0.0519
Std Dev 1.066

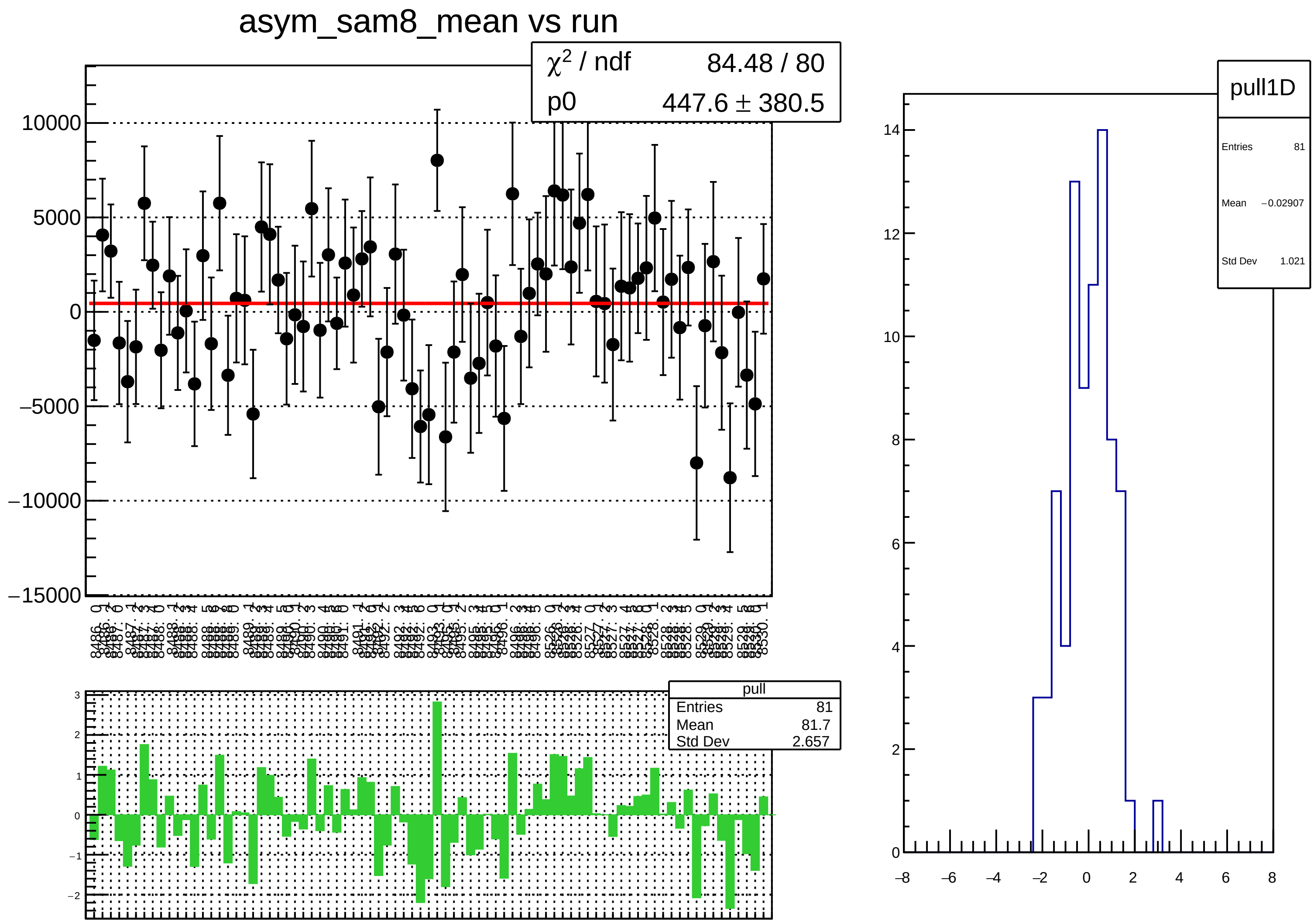


asym_sam6_rms vs run
χ2 / ndf 2.004e+04 / 80
p0 1503 ± 1.187
2200
2000
1800
1600
1400

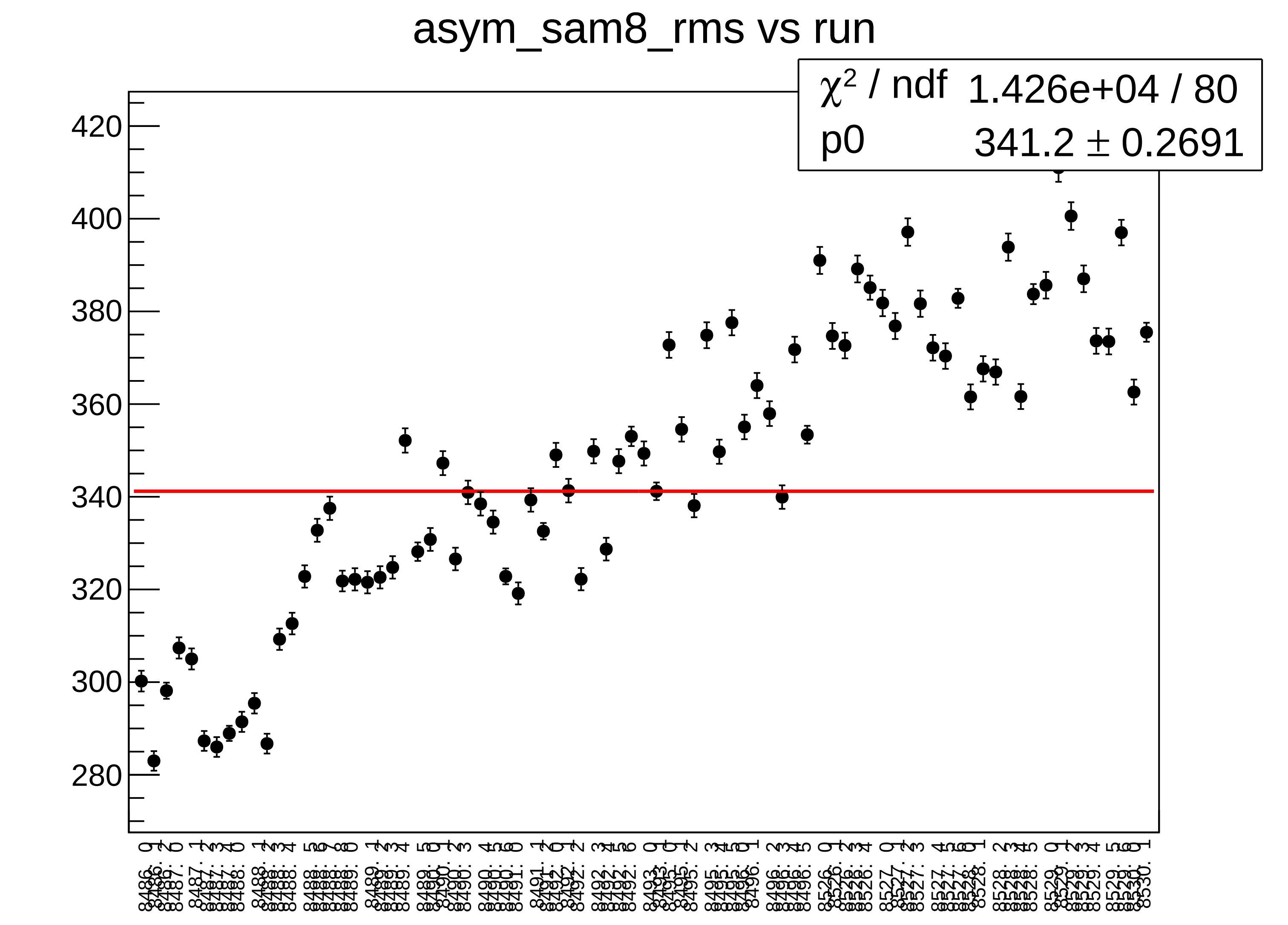


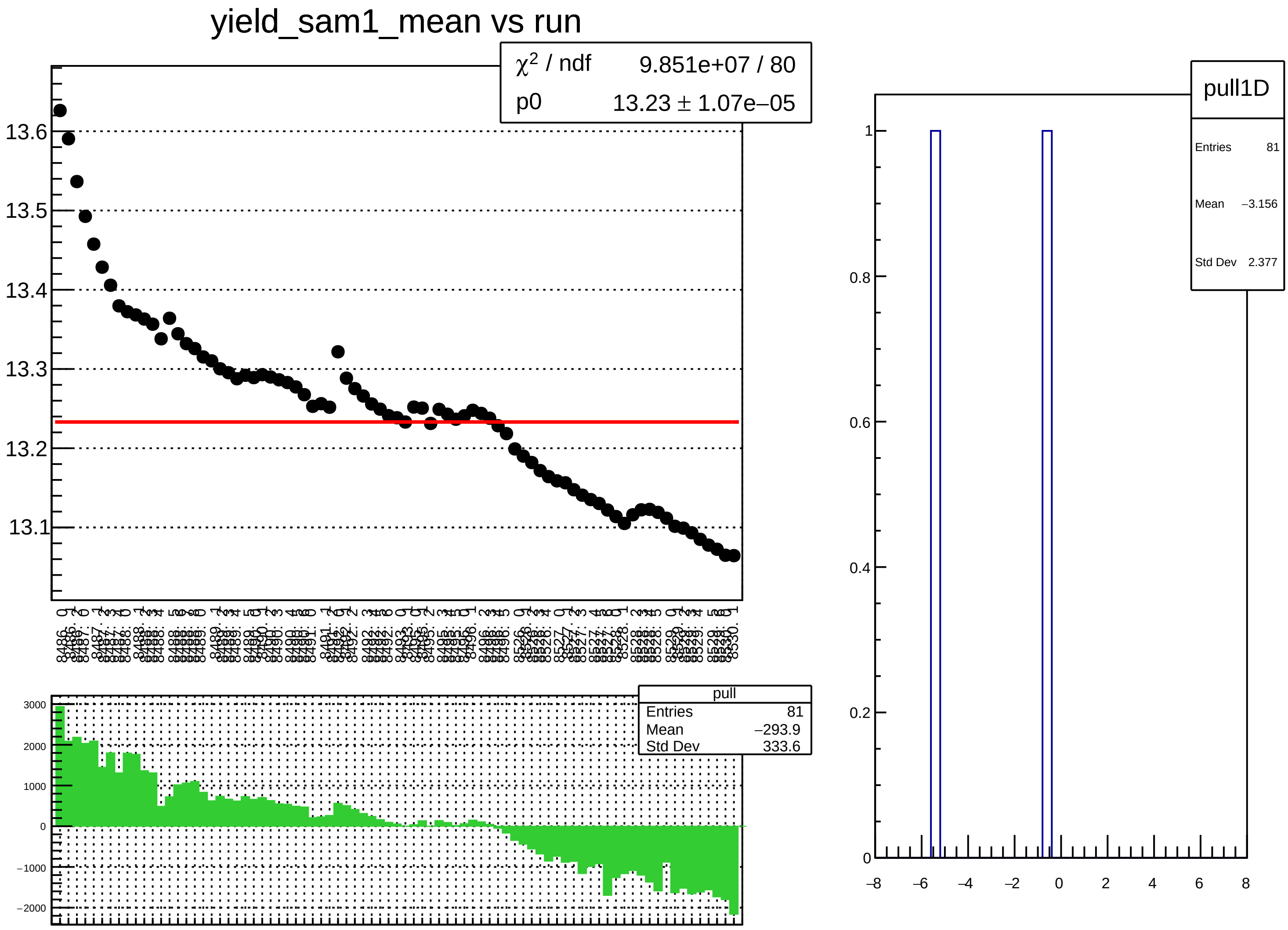
asym_sam7_mean vs run
χ^2 / ndf 82.92 / 80
p0 814.3 ± 675.9
pull
Entries 81
Mean 89.26
Std Dev 33.77
pull1D
Entries 81
Mean −0.02712
Std Dev 1.011


asym_sam7_rms vs run
χ^2 / ndf 9266 / 80
p0 607 ± 0.4779
740
720
700
680
660
640
620
600
580
560
540
520

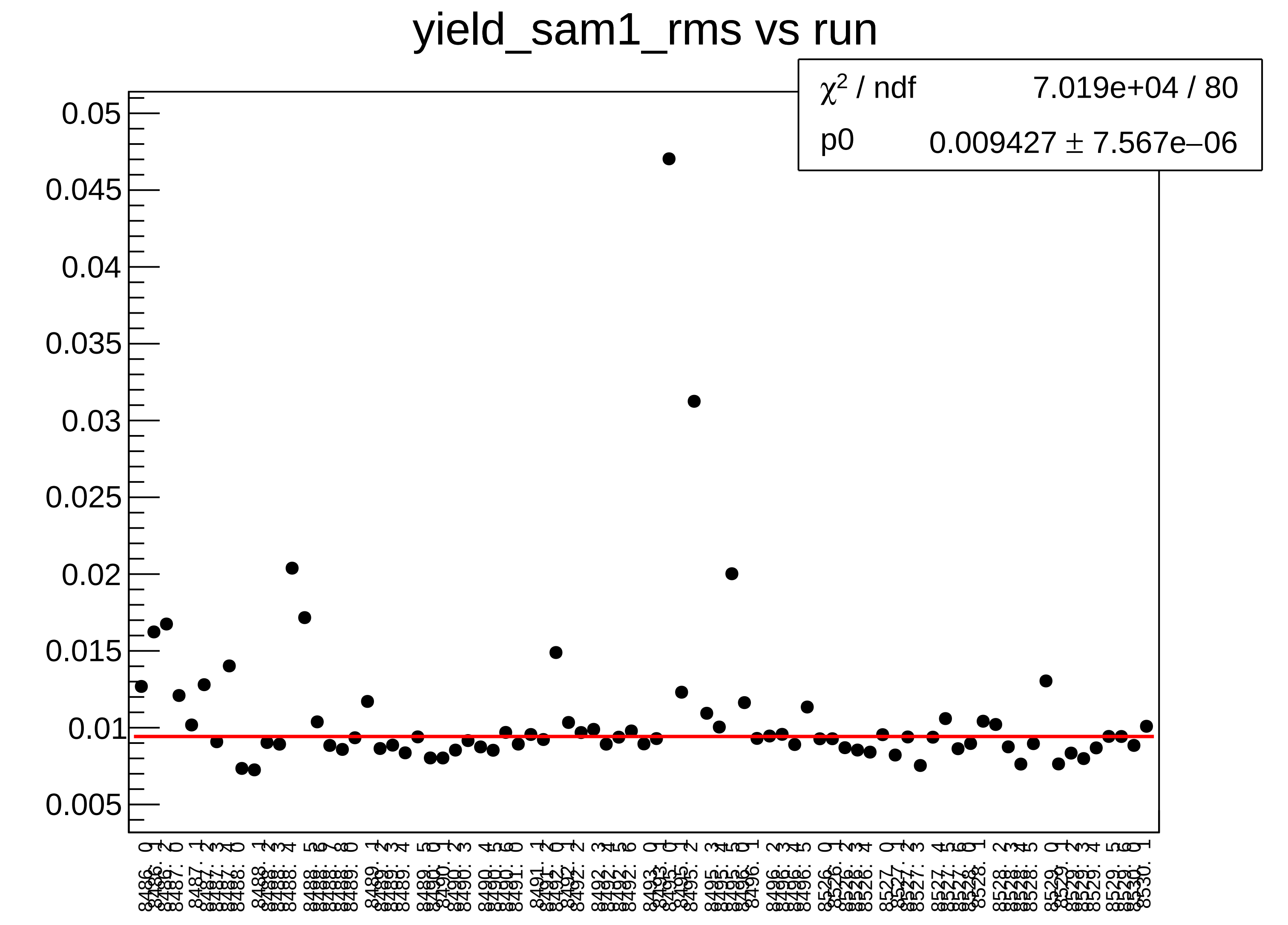


asym_sam8_mean vs run
χ^2 / ndf 84.48 / 80
p0 447.6 ± 380.5
pull
Entries 81
Mean 81.7
Std Dev 2.657
pull1D
Entries 81
Mean −0.02907
Std Dev 1.021

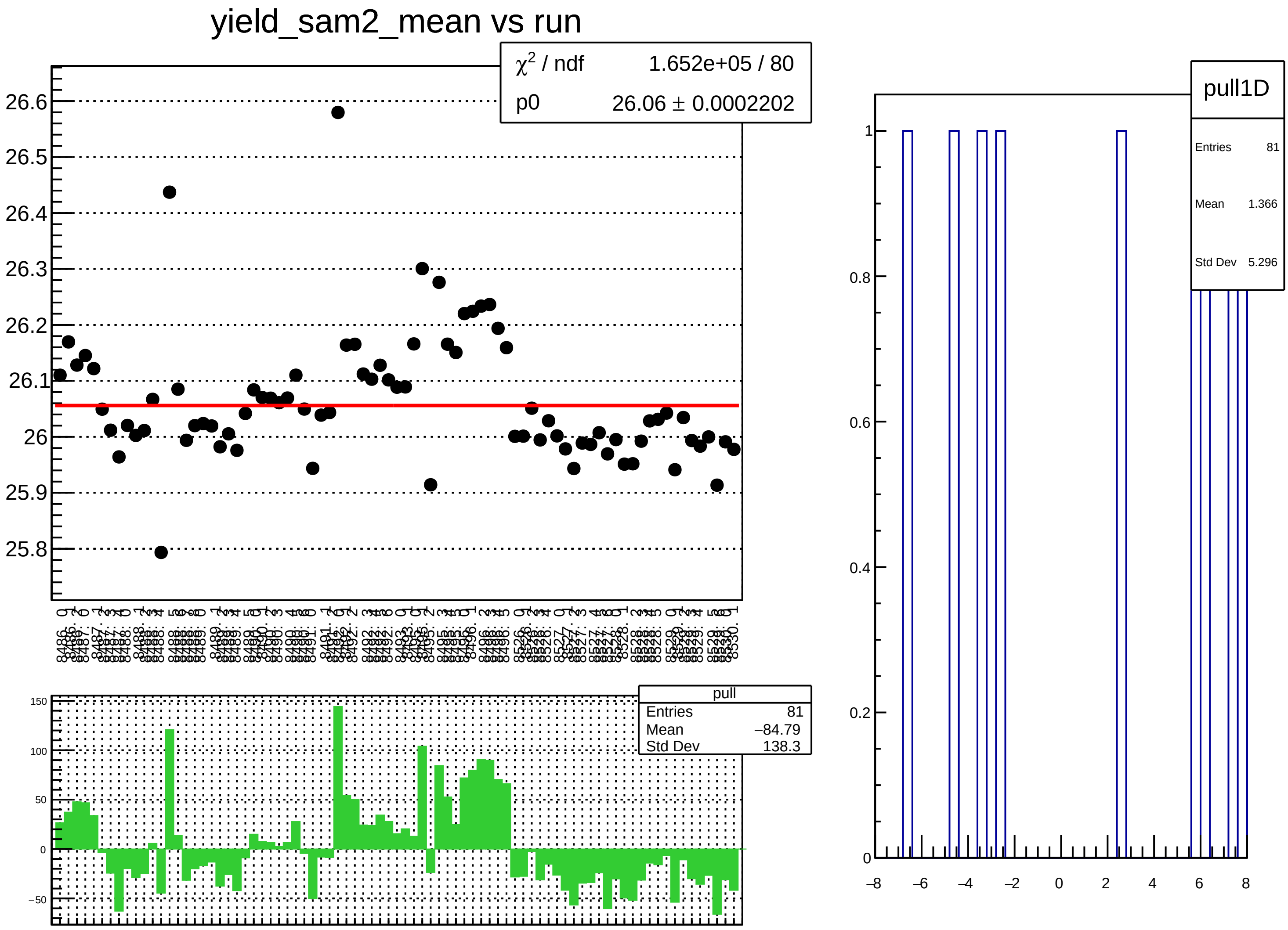

asym_sam8_rms vs run
χ2 / ndf 1.426e+04 / 80
p0 341.2 ± 0.2691
420
400
380
360
340
320
300
280



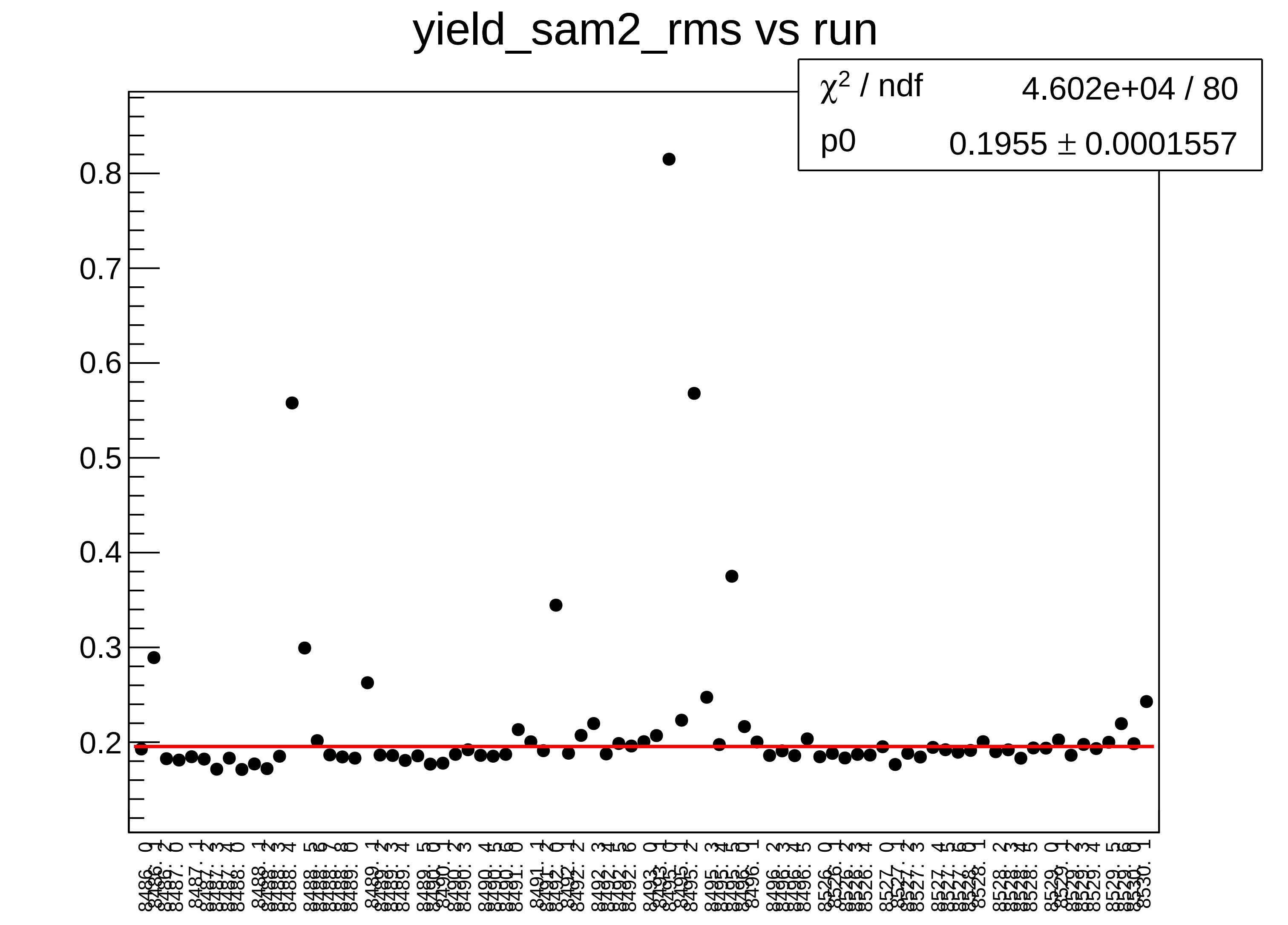
yield_sam1_mean vs run
χ^2 / ndf 9.851e+07 / 80
p0 13.23 ± 1.07e−05
pull
Entries 81
Mean −293.9
Std Dev 333.6
pull1D
Entries 81
Mean −3.156
Std Dev 2.377

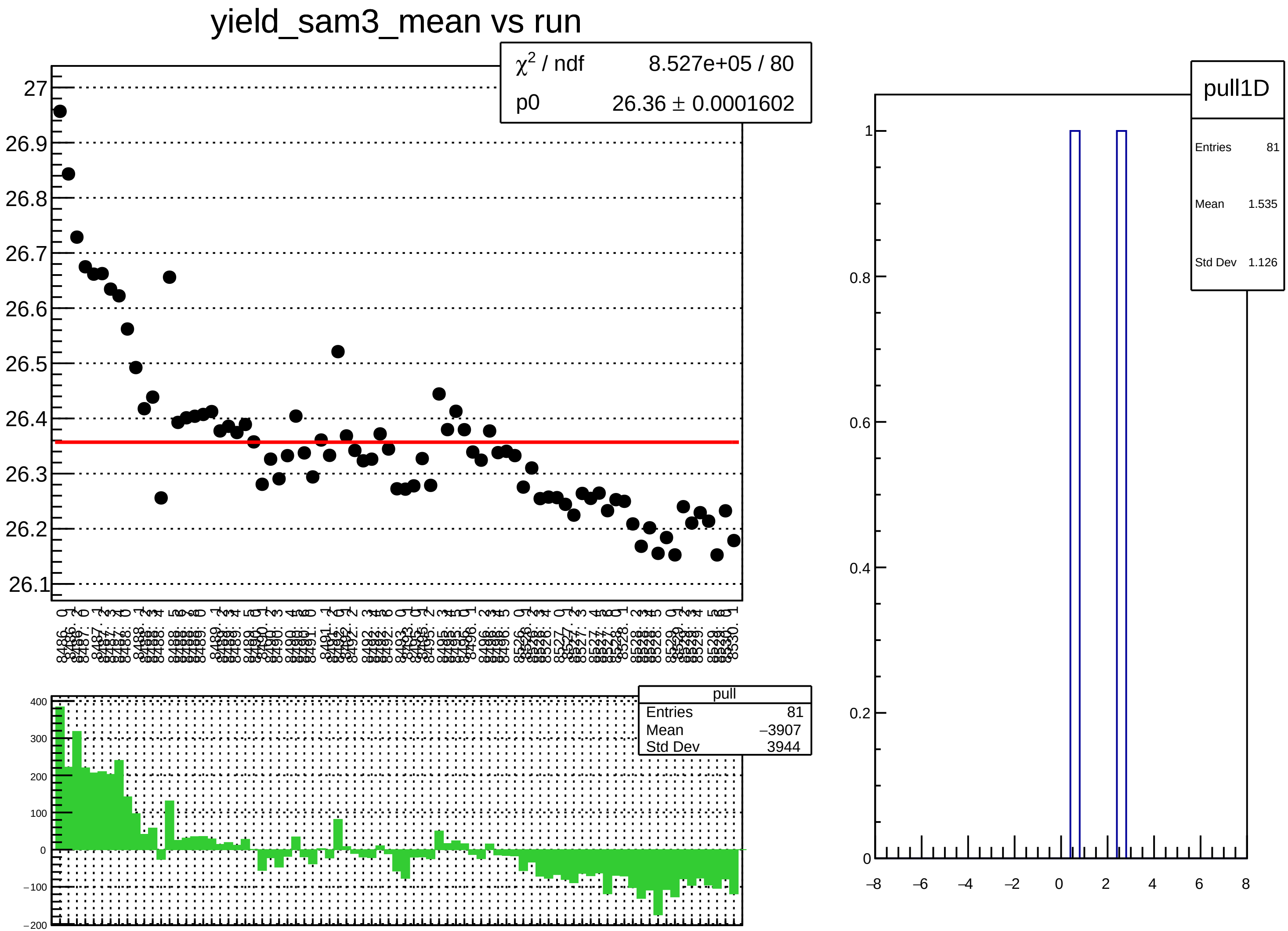


yield_sam1_rms vs run
χ^2 / ndf 7.019e+04 / 80
p0 0.009427 ± 7.567e−06
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005

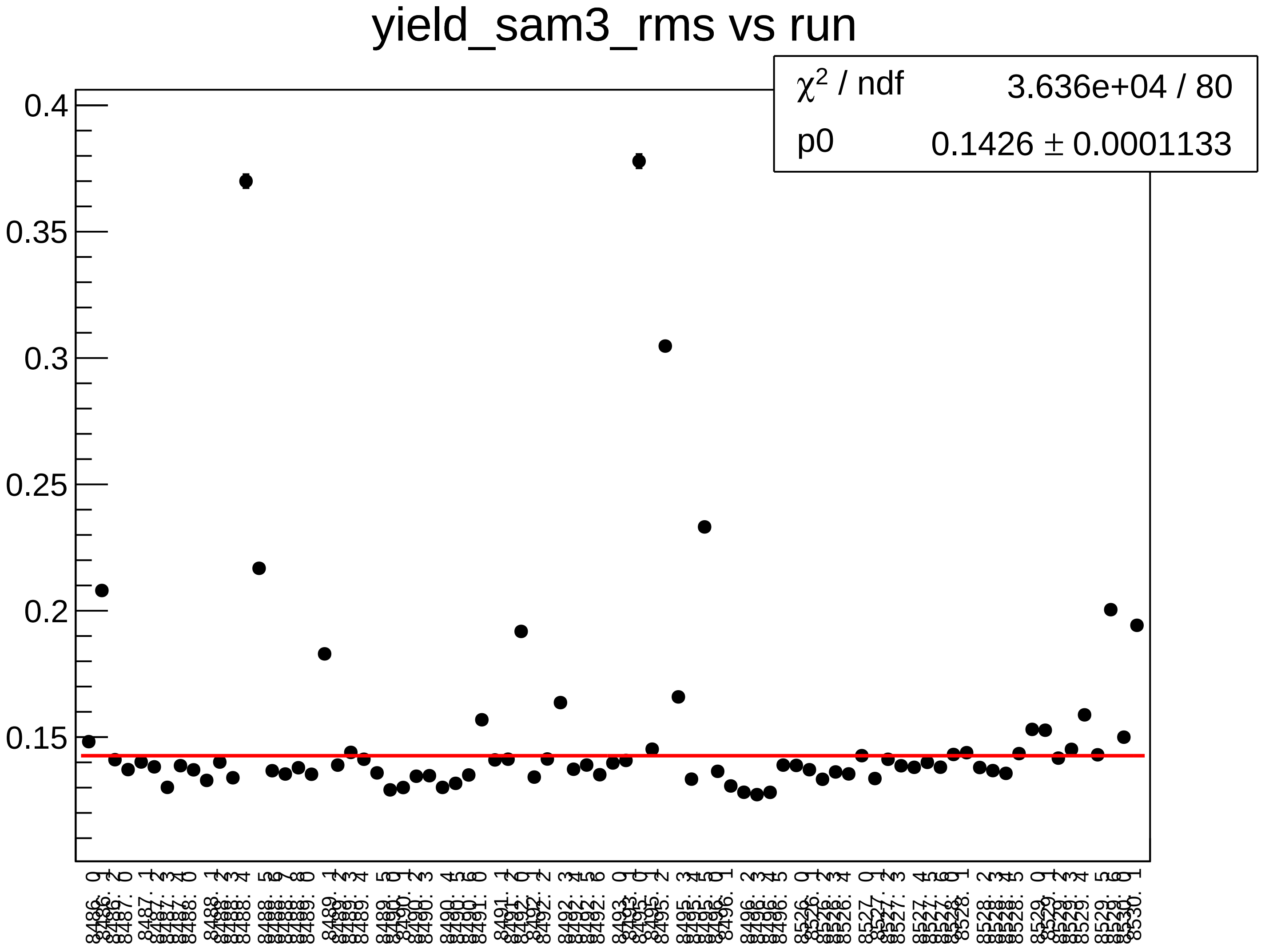


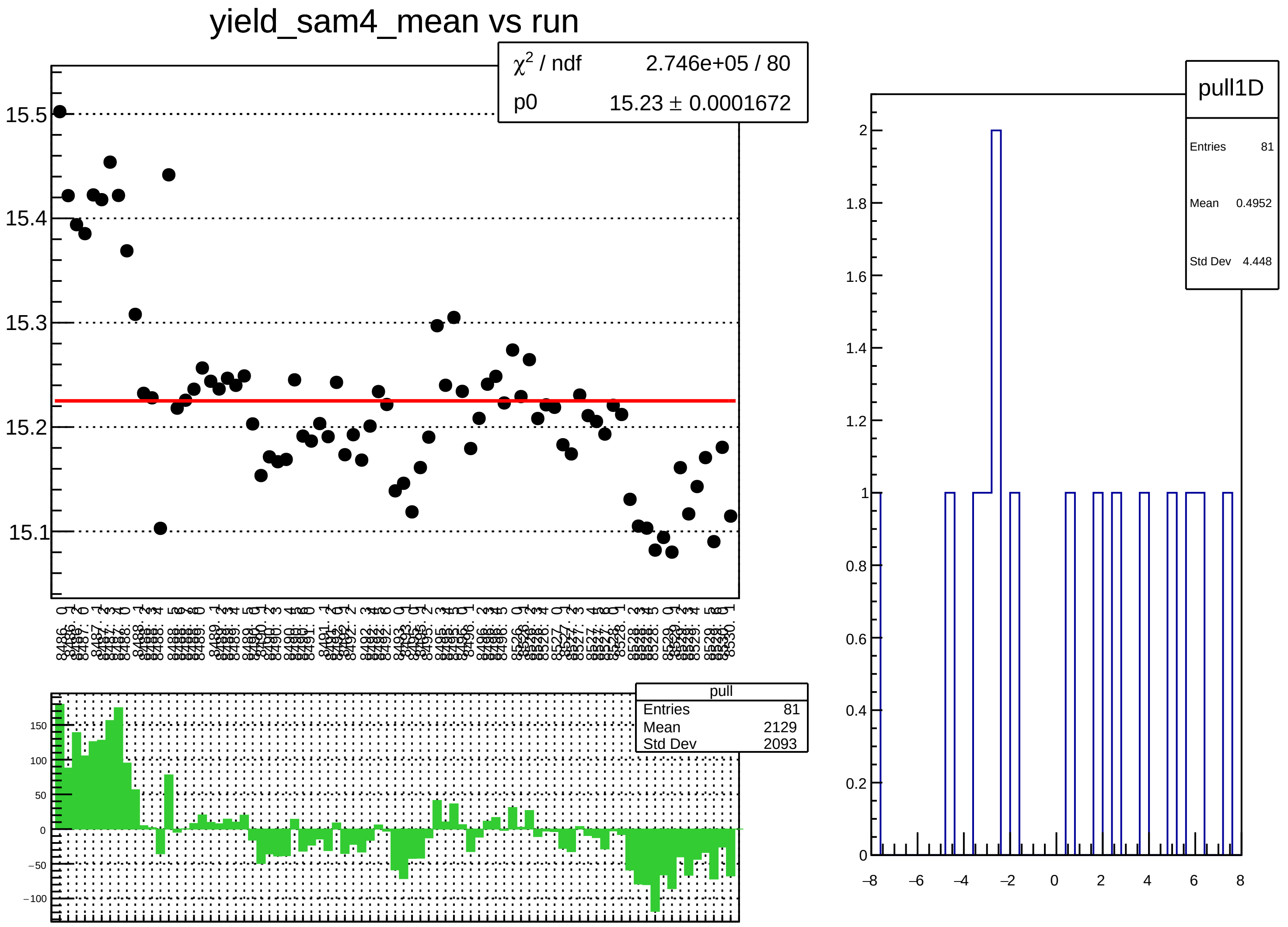
yield_sam2_mean vs run
χ2 / ndf 1.652e+05 / 80
p0 26.06 ± 0.0002202
pull
Entries 81
Mean −84.79
Std Dev 138.3
pull1D
Entries 81
Mean 1.366
Std Dev 5.296


yield_sam2_rms vs run
χ^2 / ndf 4.602e+04 / 80
p0 0.1955 ± 0.0001557
0.8
0.7
0.6
0.5
0.4
0.3
0.2

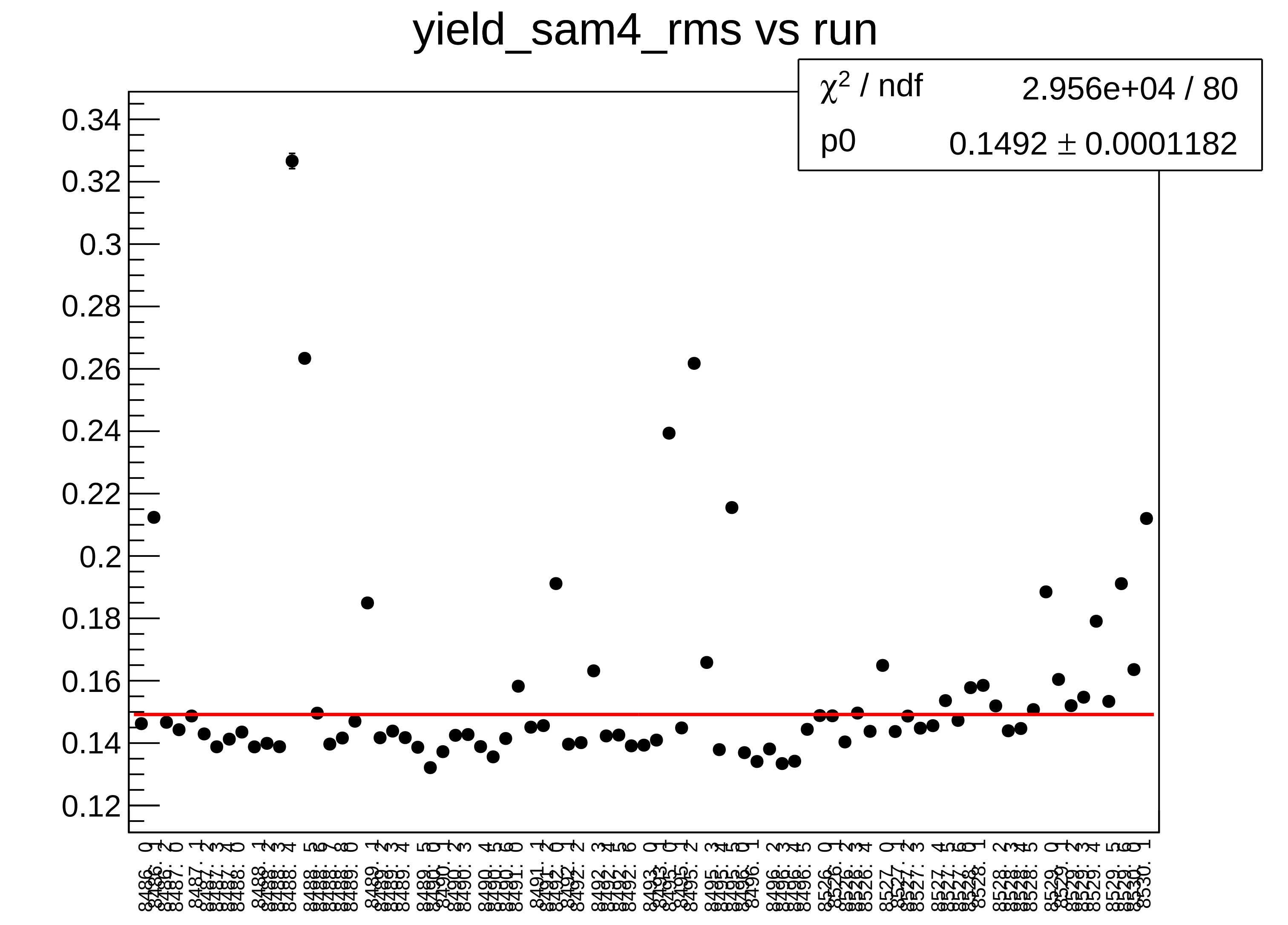


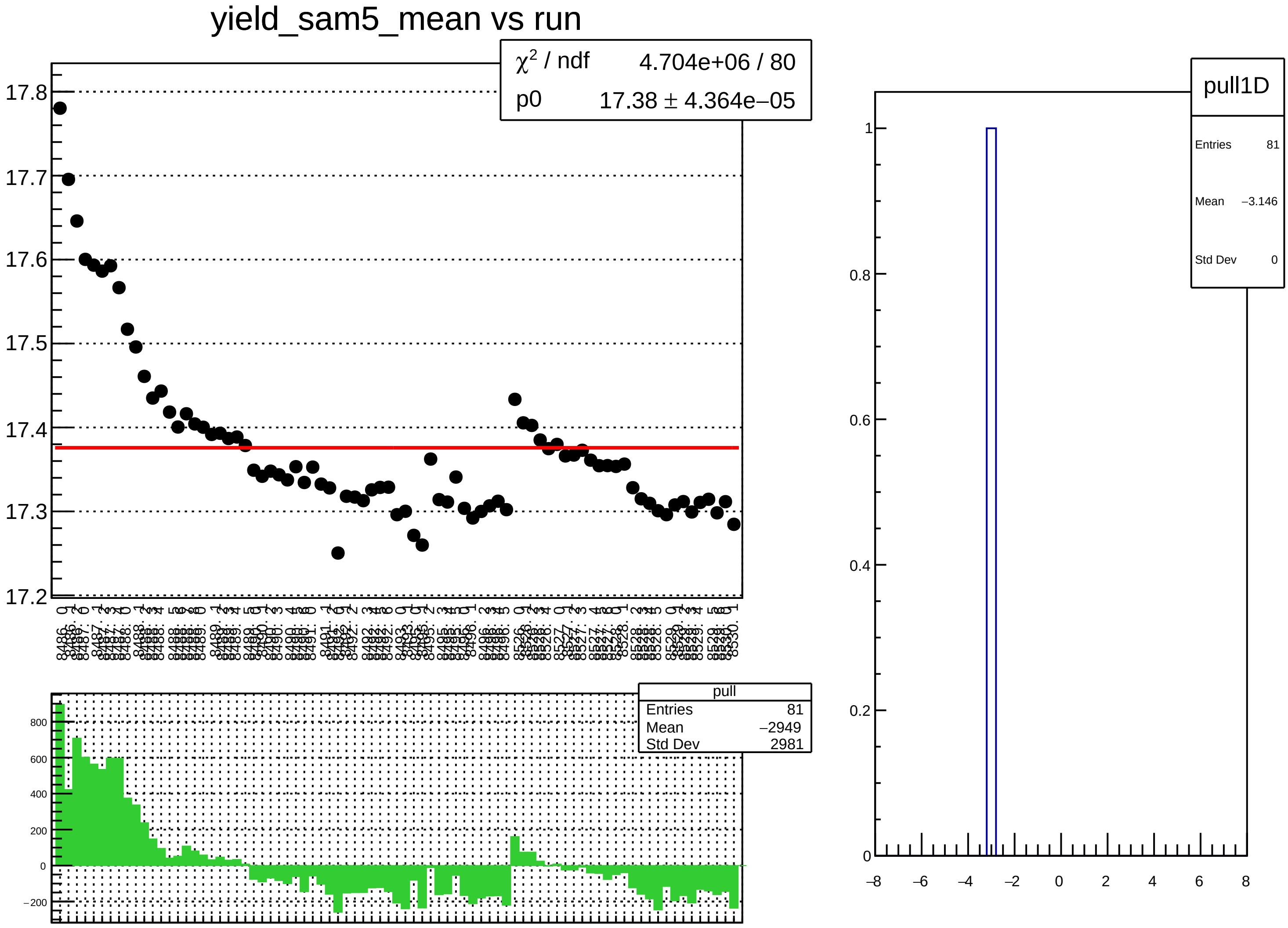
yield_sam3_mean vs run
χ^2 / ndf 8.527e+05 / 80
p0 26.36 ± 0.0001602
pull
Entries 81
Mean −3907
Std Dev 3944
pull1D
Entries 81
Mean 1.535
Std Dev 1.126


yield_sam3_rms vs run
χ2 / ndf 3.636e+04 / 80
p0 0.1426 ± 0.0001133
0.4
0.35
0.3
0.25
0.2
0.15

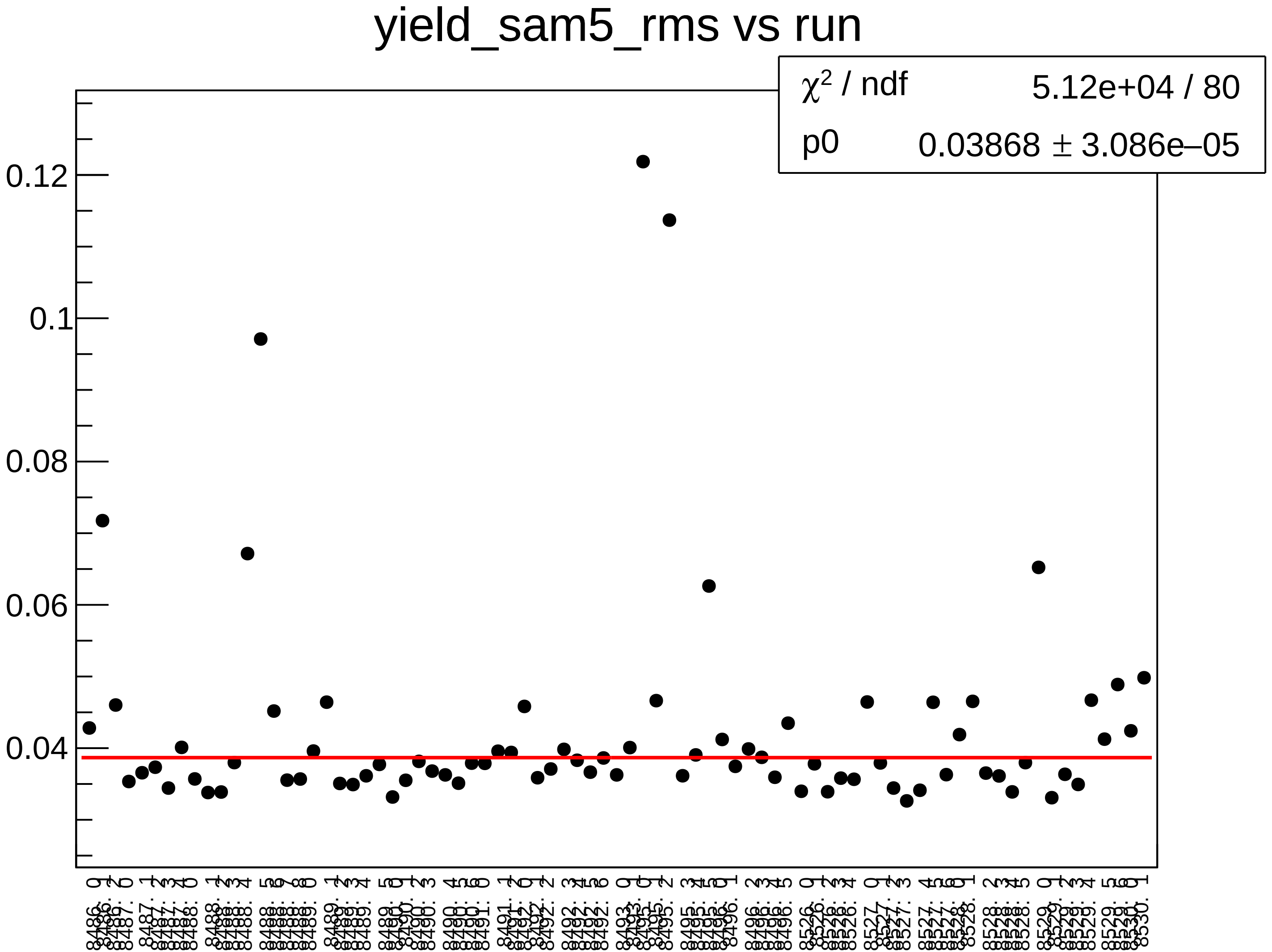


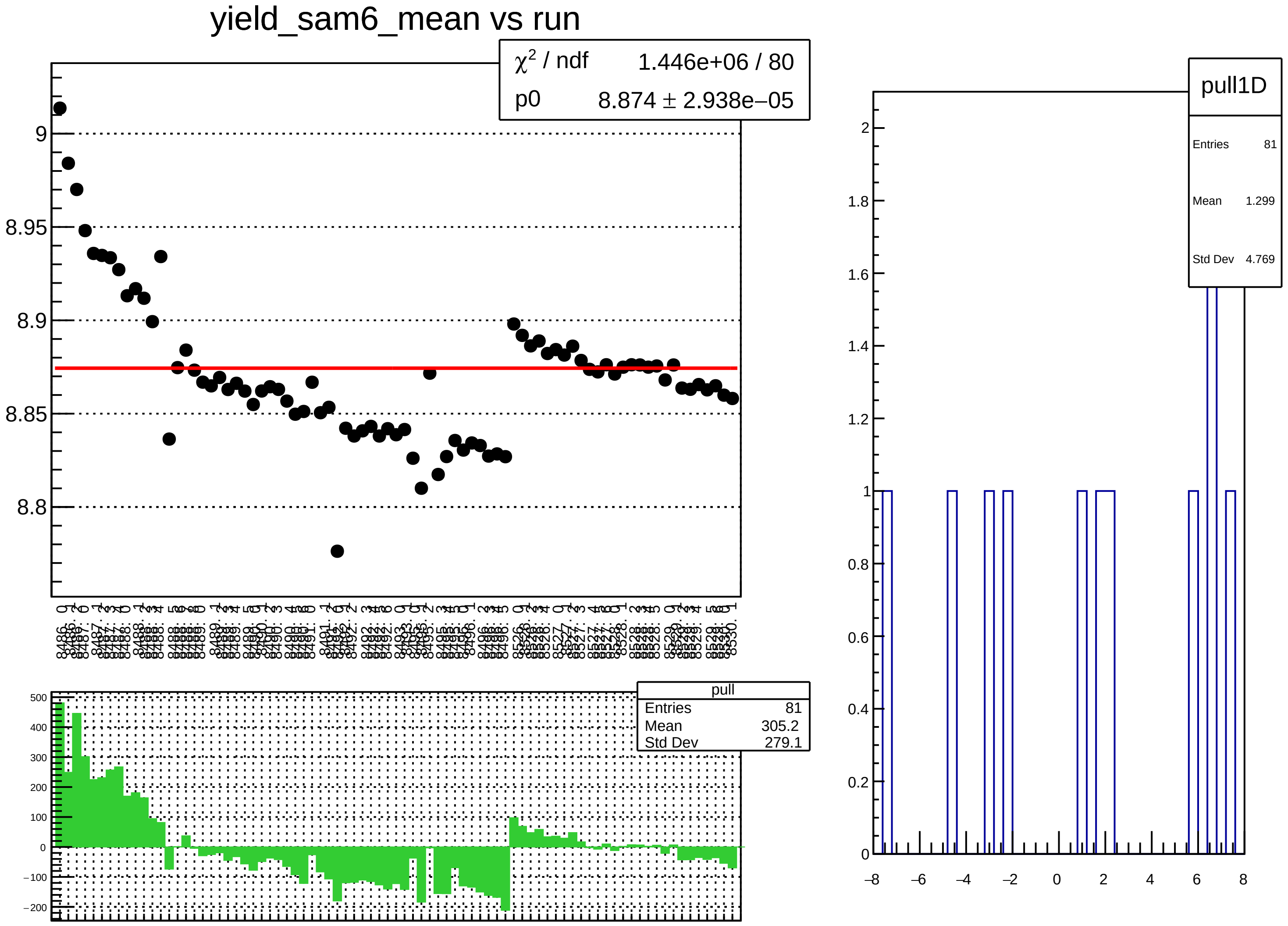
yield_sam4_mean vs run
χ^2 / ndf 2.746e+05 / 80
p0 15.23 ± 0.0001672
pull
Entries 81
Mean 2129
Std Dev 2093
pull1D
Entries 81
Mean 0.4952
Std Dev 4.448


yield_sam4_rms vs run
χ2 / ndf 2.956e+04 / 80
p0 0.1492 ± 0.0001182
0.34
0.32
0.3
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12

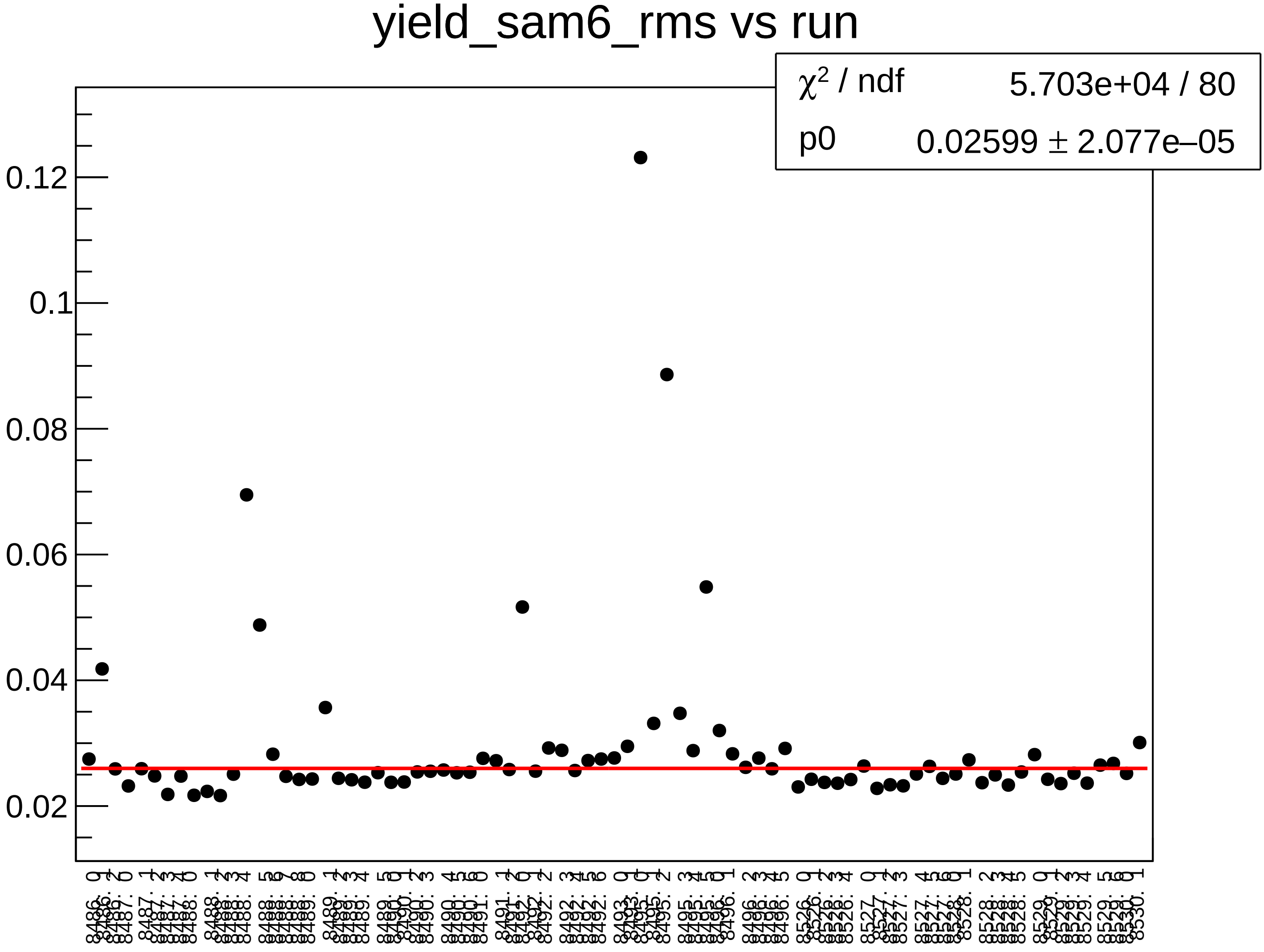


yield_sam5_mean vs run
χ^2 / ndf 4.704e+06 / 80
p0 17.38 ± 4.364e−05
17.8
17.7
17.6
17.5
17.4
17.3
17.2
pull
Entries 81
Mean −2949
Std Dev 2981
800
600
400
200
0
−200
pull1D
Entries 81
Mean −3.146
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

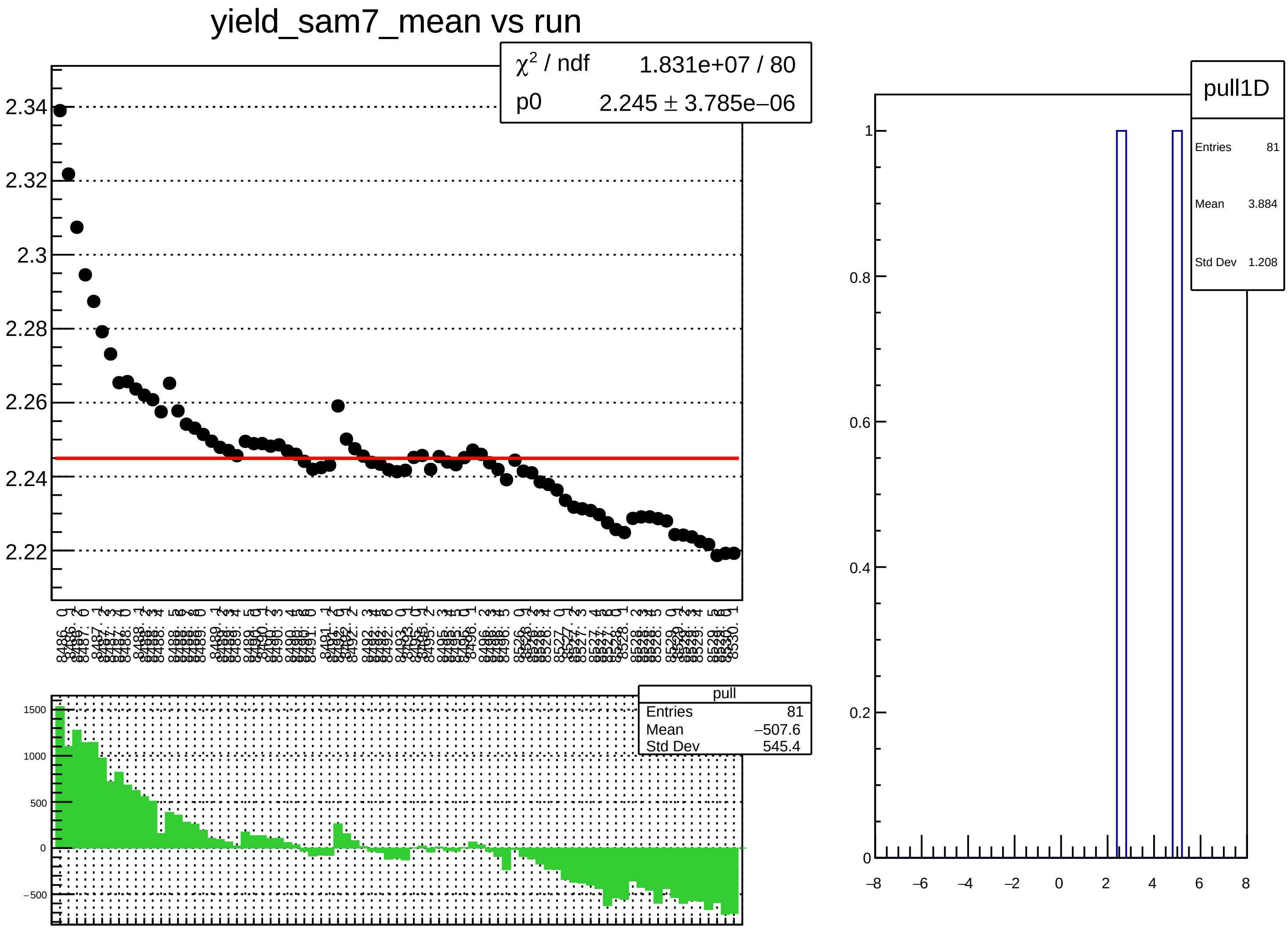

yield_sam5_rms vs run
χ^2 / ndf 5.12e+04 / 80
p0 0.03868 ± 3.086e−05
0.12
0.1
0.08
0.06
0.04



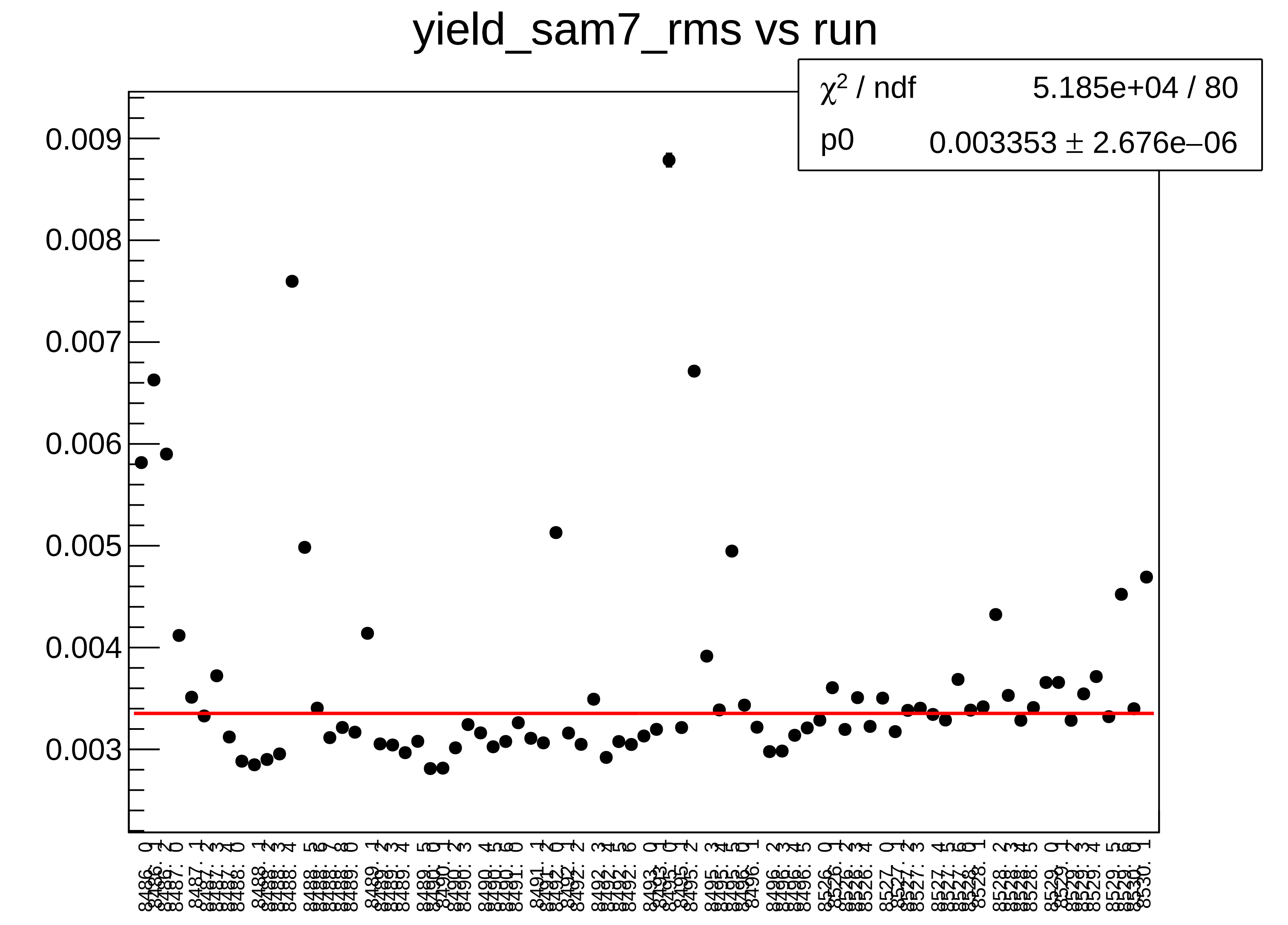
yield_sam6_mean vs run
χ2 / ndf 1.446e+06 / 80
p0 8.874 ± 2.938e−05
pull
Entries 81
Mean 305.2
Std Dev 279.1
pull1D
Entries 81
Mean 1.299
Std Dev 4.769

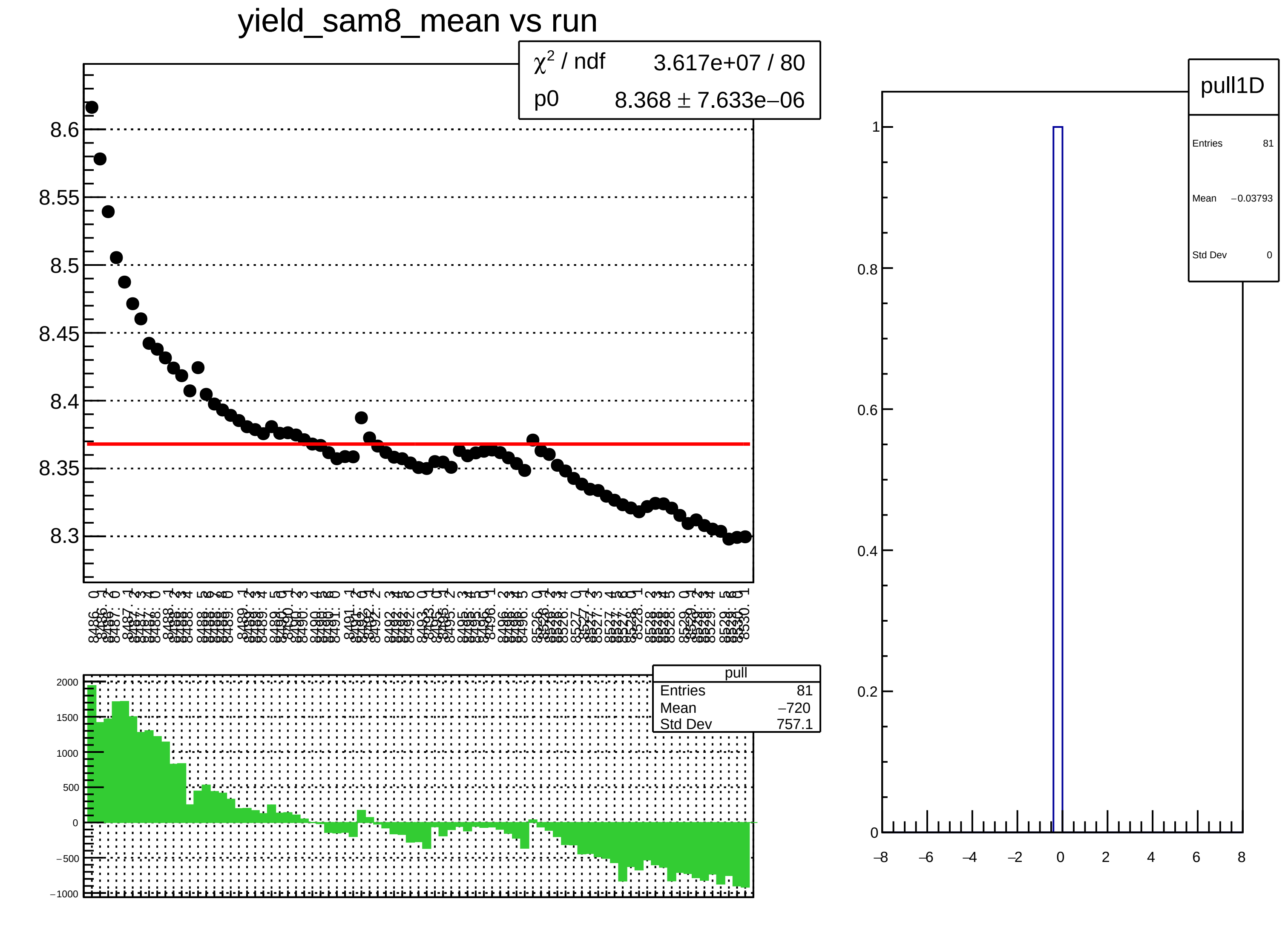


yield_sam6_rms vs run
χ^2 / ndf 5.703e+04 / 80
p0 0.02599 ± 2.077e−05
0.12
0.1
0.08
0.06
0.04
0.02

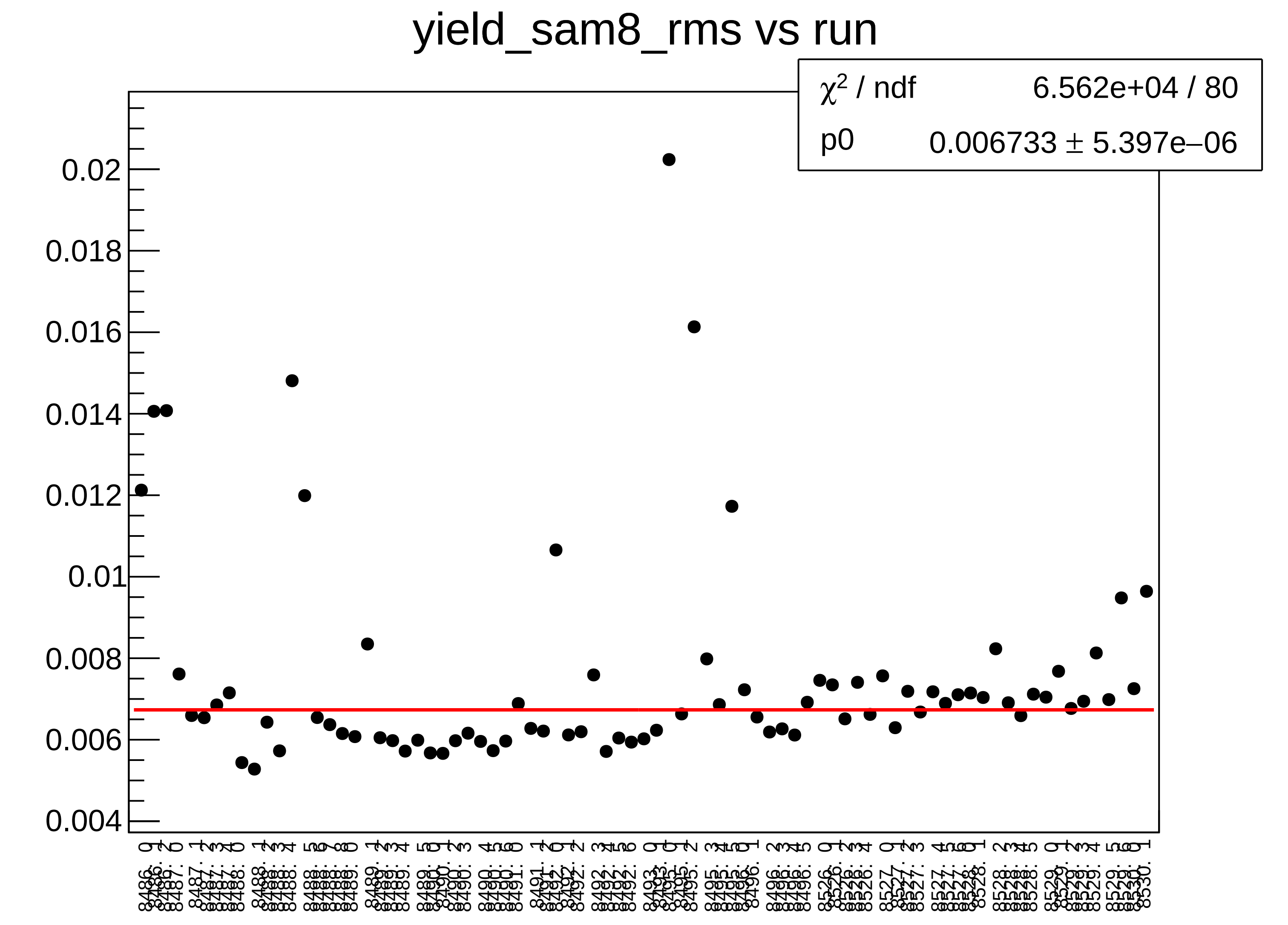


yield_sam7_mean vs run
χ2 / ndf 1.831e+07 / 80
p0 2.245 ± 3.785e−06
pull
Entries 81
Mean −507.6
Std Dev 545.4
pull1D
Entries 81
Mean 3.884
Std Dev 1.208

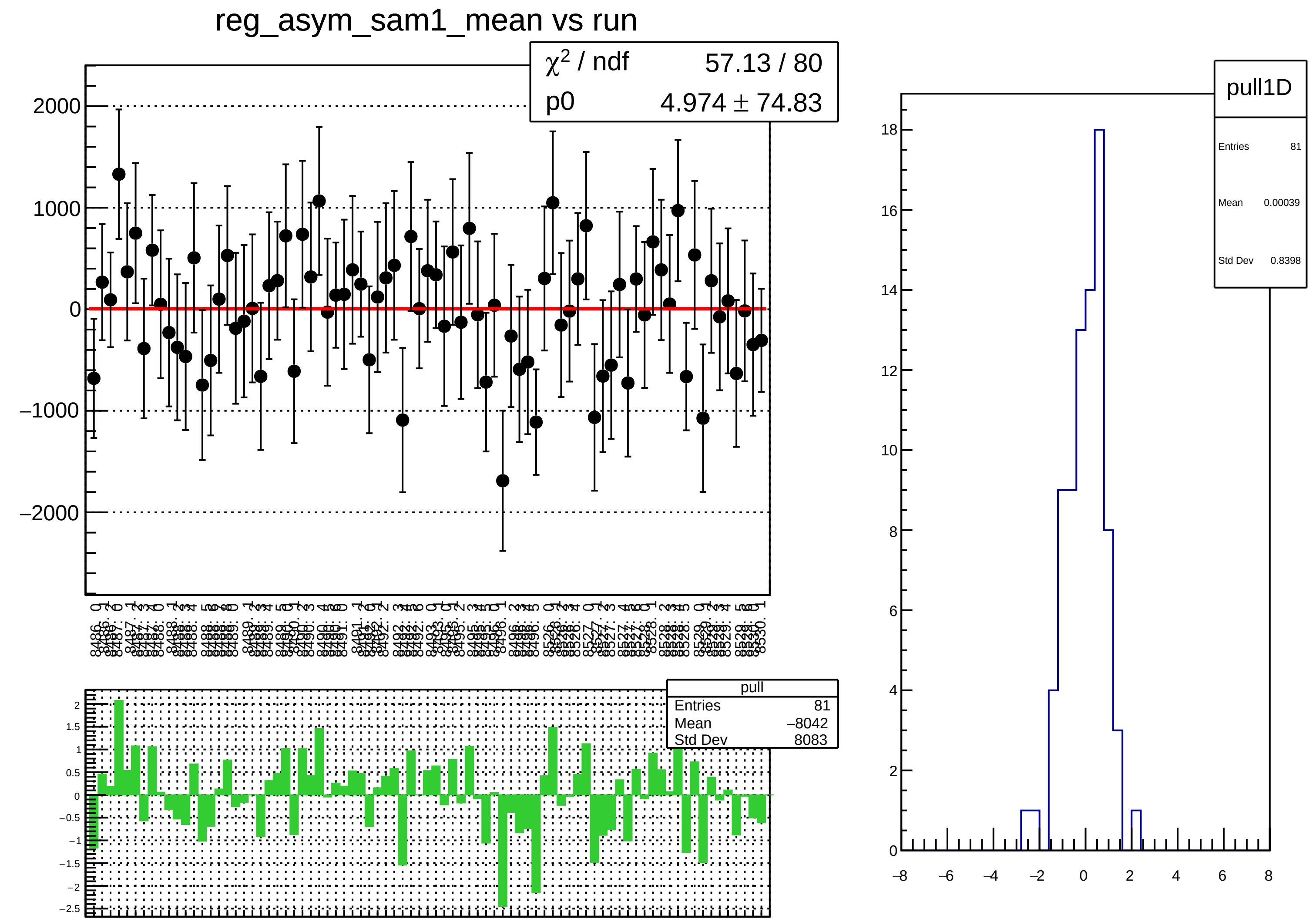

yield_sam7_rms vs run
χ2 / ndf 5.185e+04 / 80
p0 0.003353 ± 2.676e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003



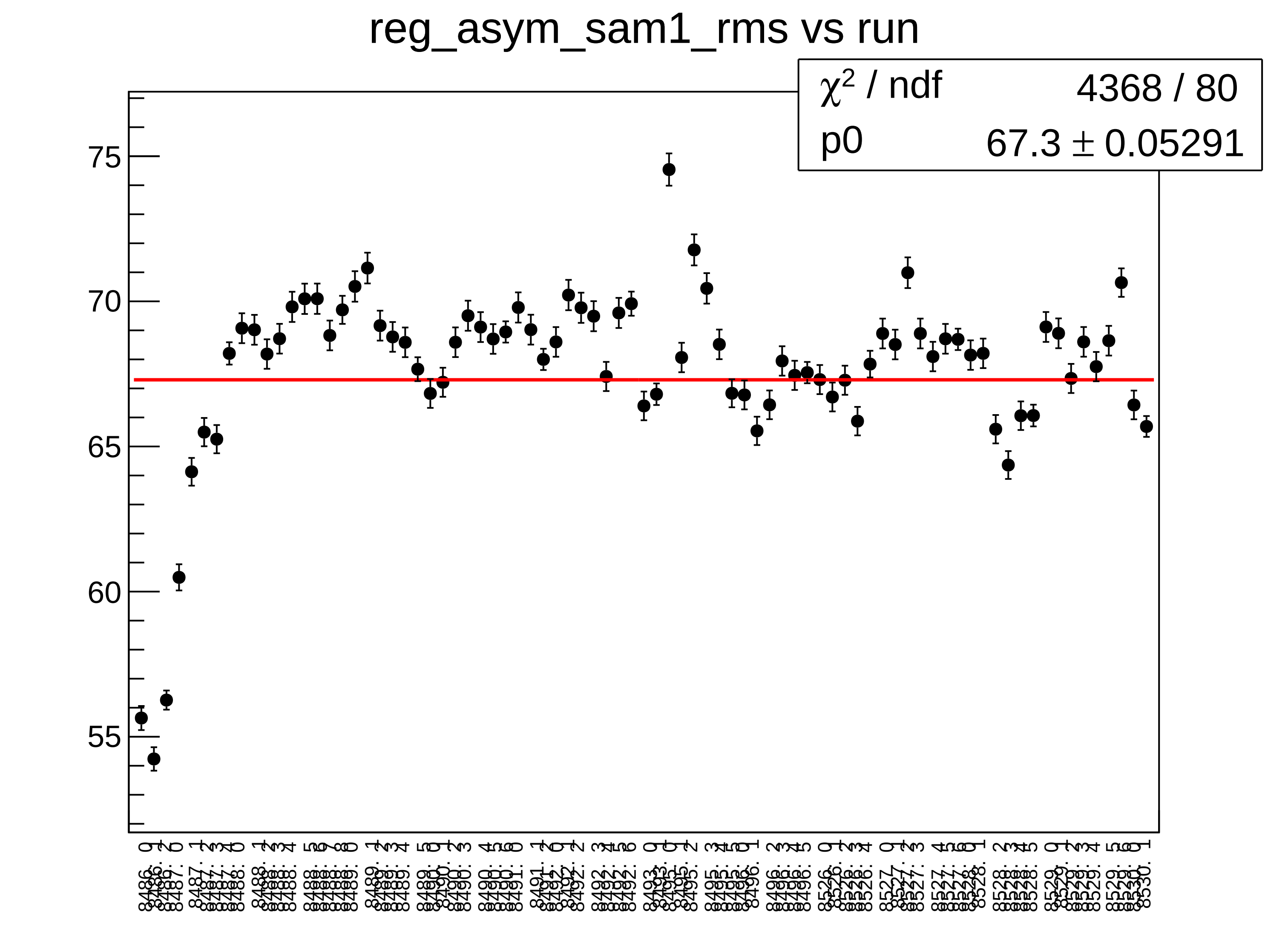
yield_sam8_mean vs run
χ^2 / ndf 3.617e+07 / 80
p0 8.368 ± 7.633e−06
pull
Entries 81
Mean −720
Std Dev 757.1
pull1D
Entries 81
Mean −0.03793
Std Dev 0

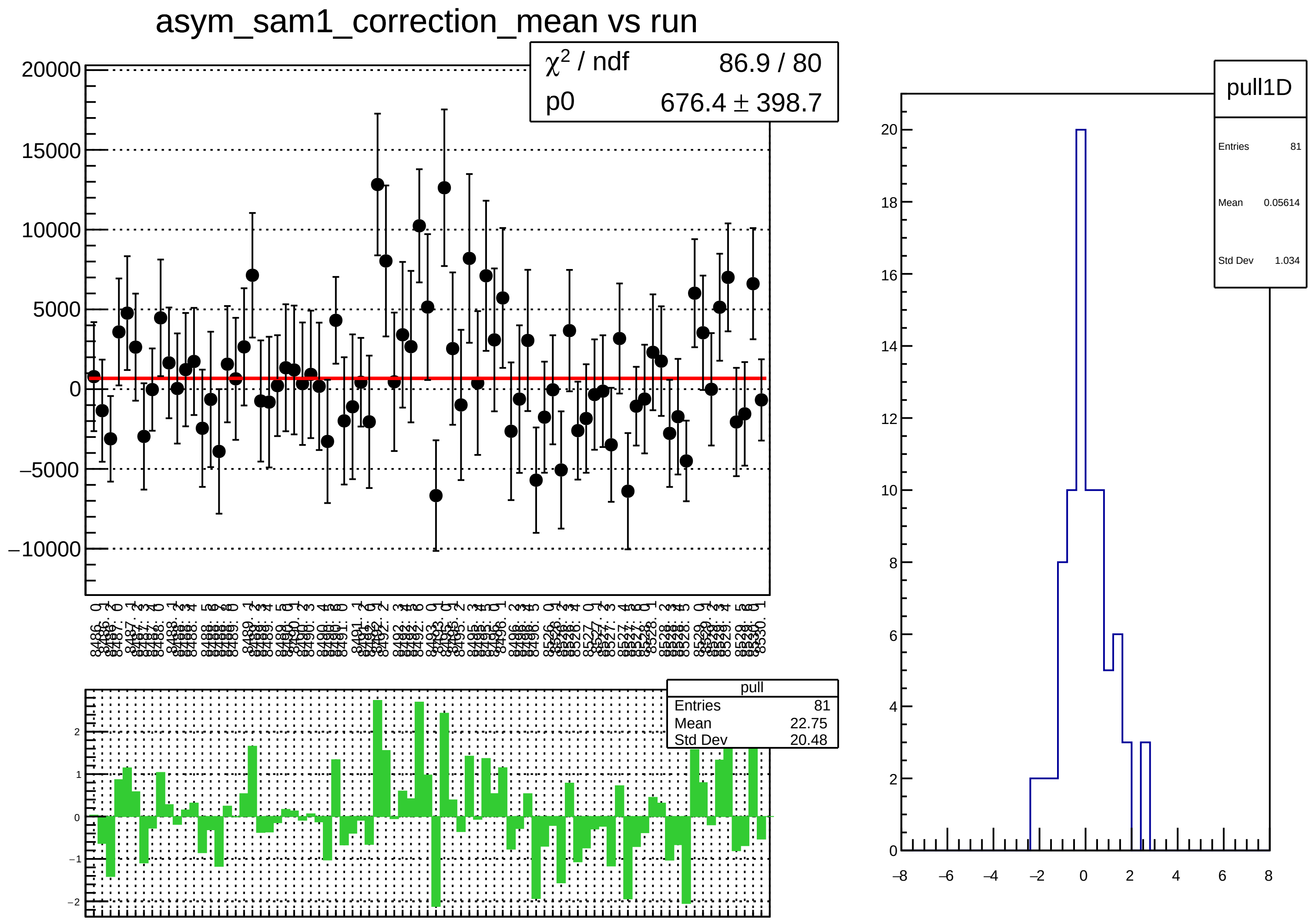


yield_sam8_rms vs run
χ2 / ndf 6.562e+04 / 80
p0 0.006733 ± 5.397e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004

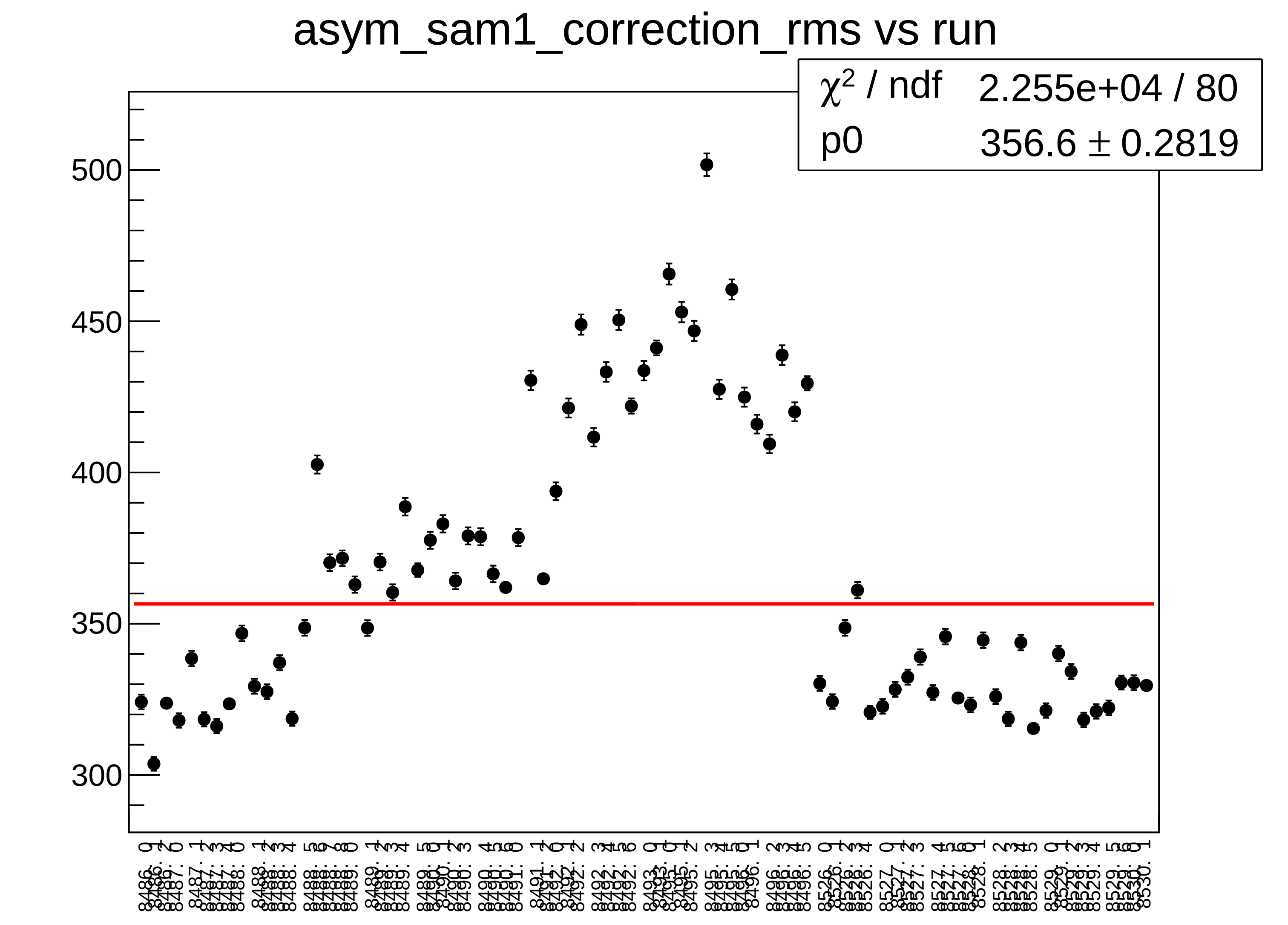


reg_asym_sam1_mean vs run
χ^2 / ndf 57.13 / 80
p0 4.974 ± 74.83
pull
Entries 81
Mean −8042
Std Dev 8083
pull1D
Entries 81
Mean 0.00039
Std Dev 0.8398

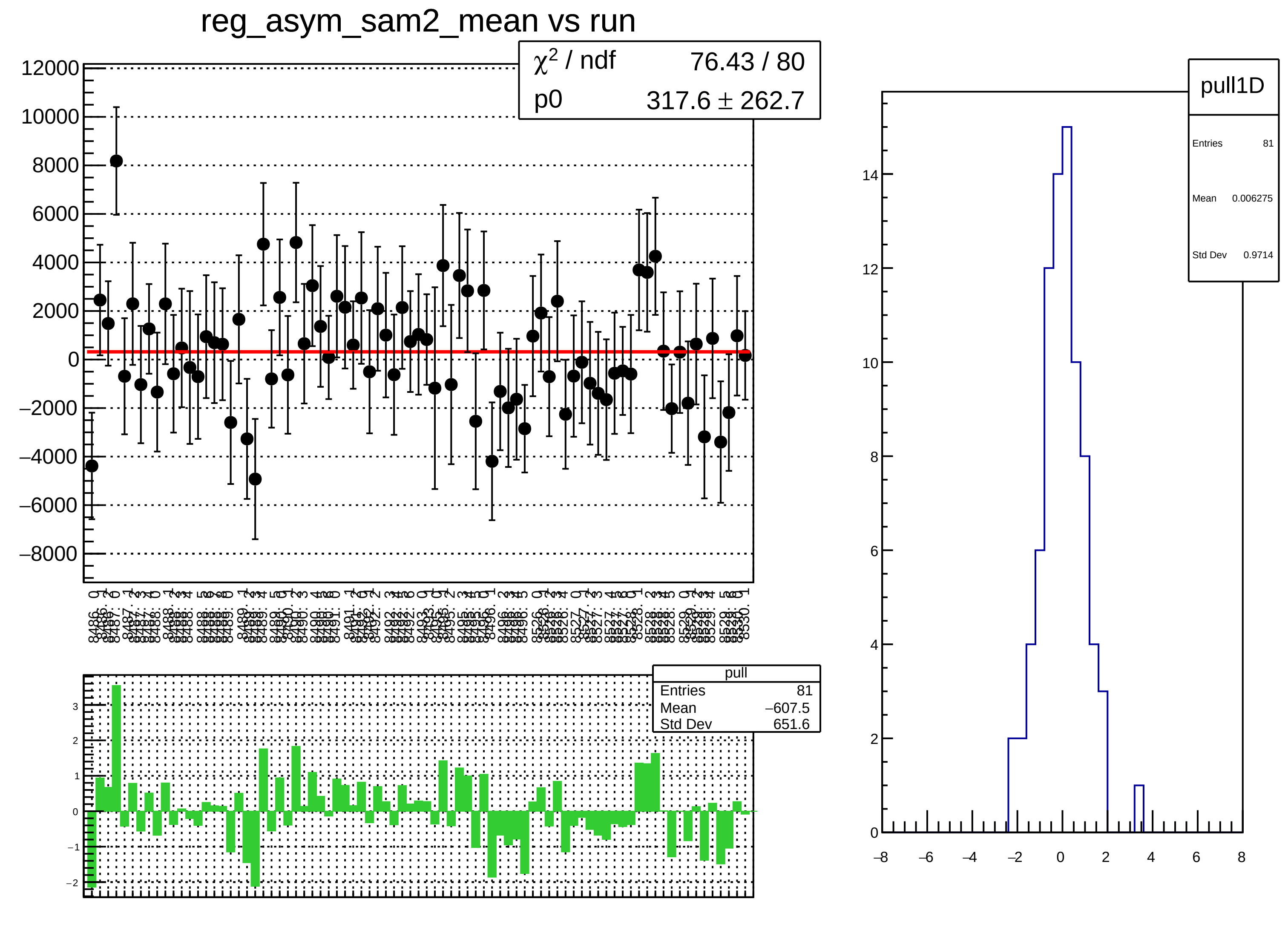

reg_asym_sam1_rms vs run
χ^2 / ndf 4368 / 80
p0 67.3 ± 0.05291
75
70
65
60
55



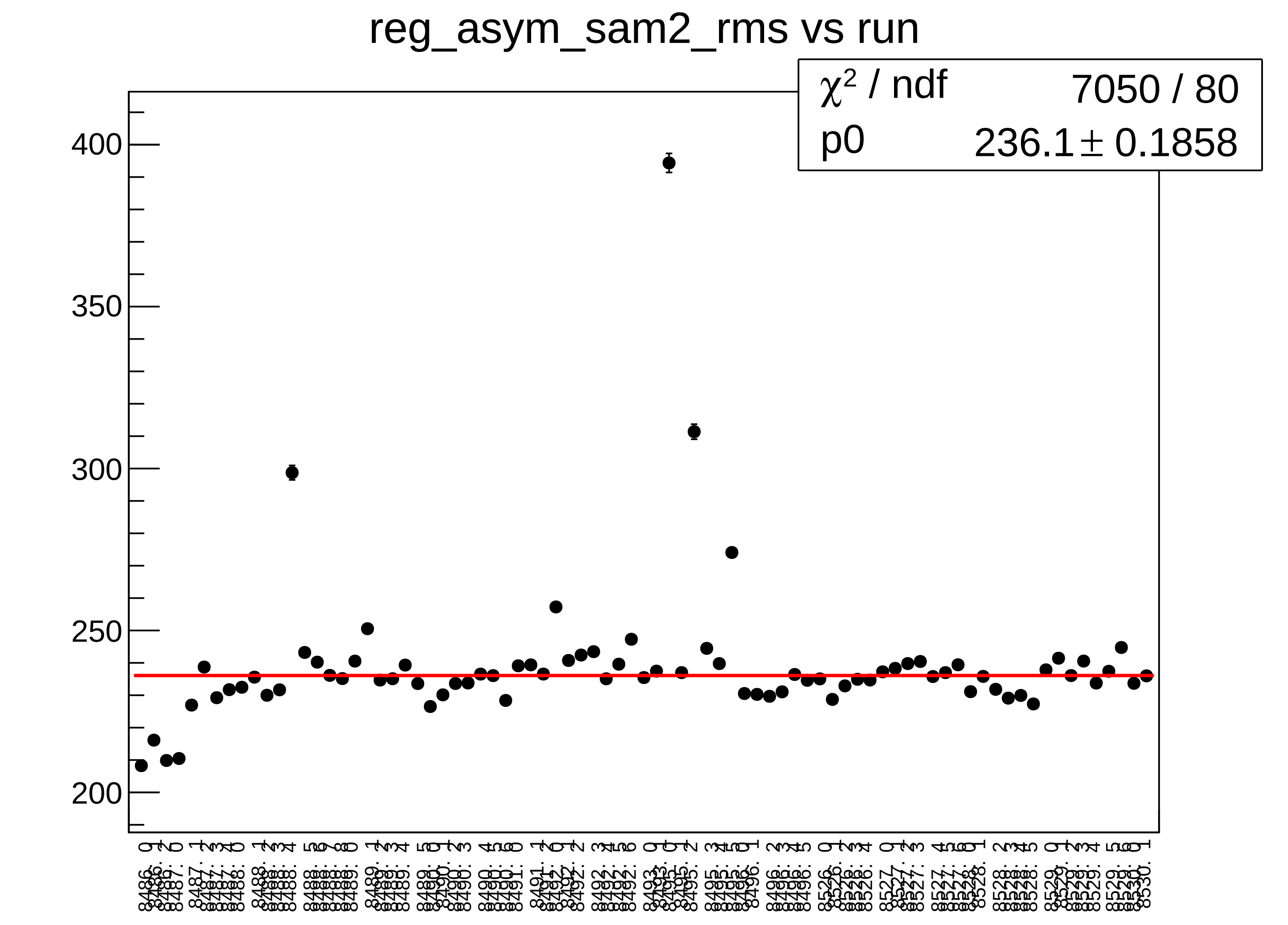
asym_sam1_correction_mean vs run
χ^2 / ndf 86.9 / 80
p0 676.4 ± 398.7
pull
Entries 81
Mean 22.75
Std Dev 20.48
pull1D
Entries 81
Mean 0.05614
Std Dev 1.034



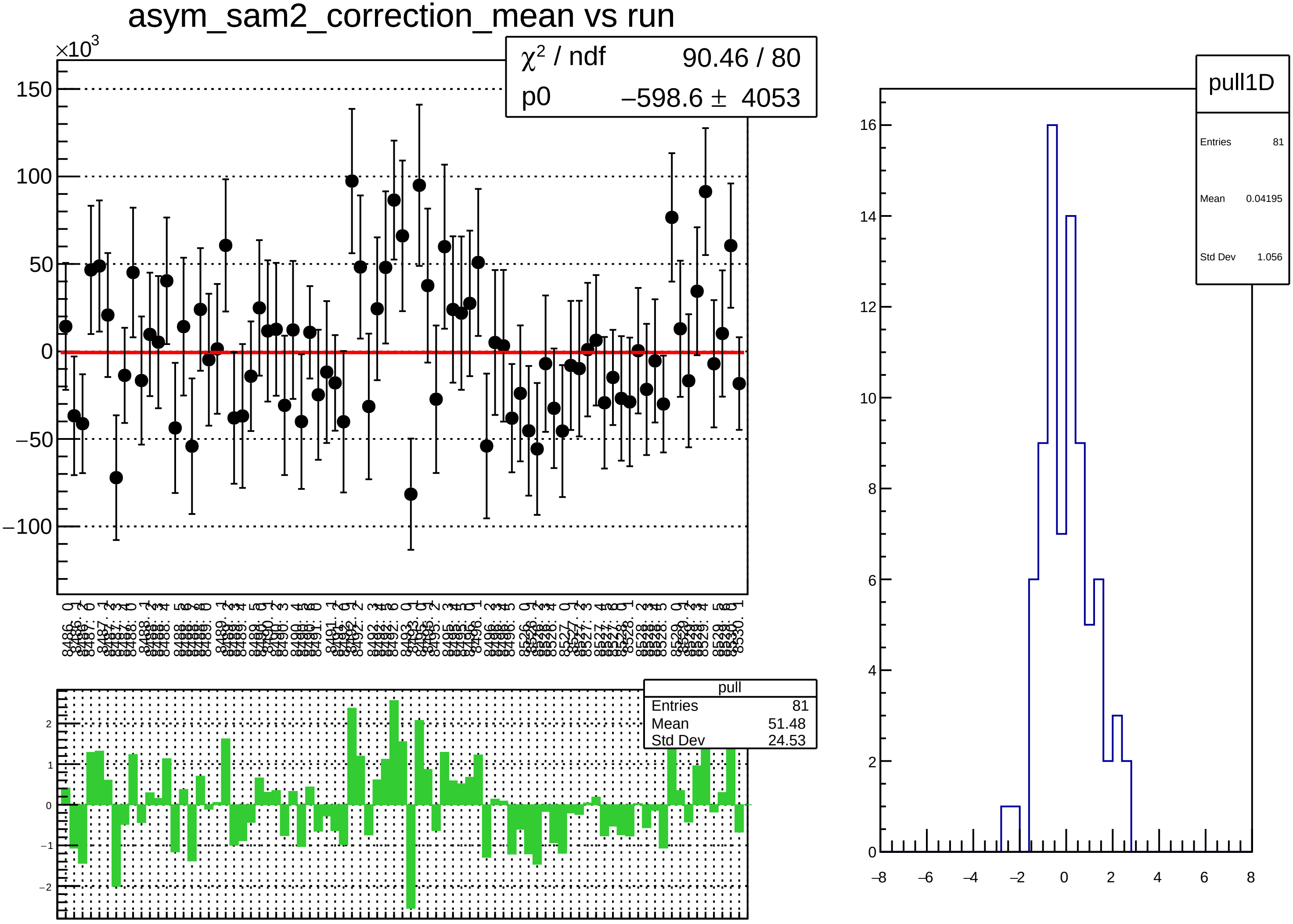
asym_sam1_correction_rms vs run
χ2 / ndf 2.255e+04 / 80
p0 356.6 ± 0.2819
500
450
400
350
300



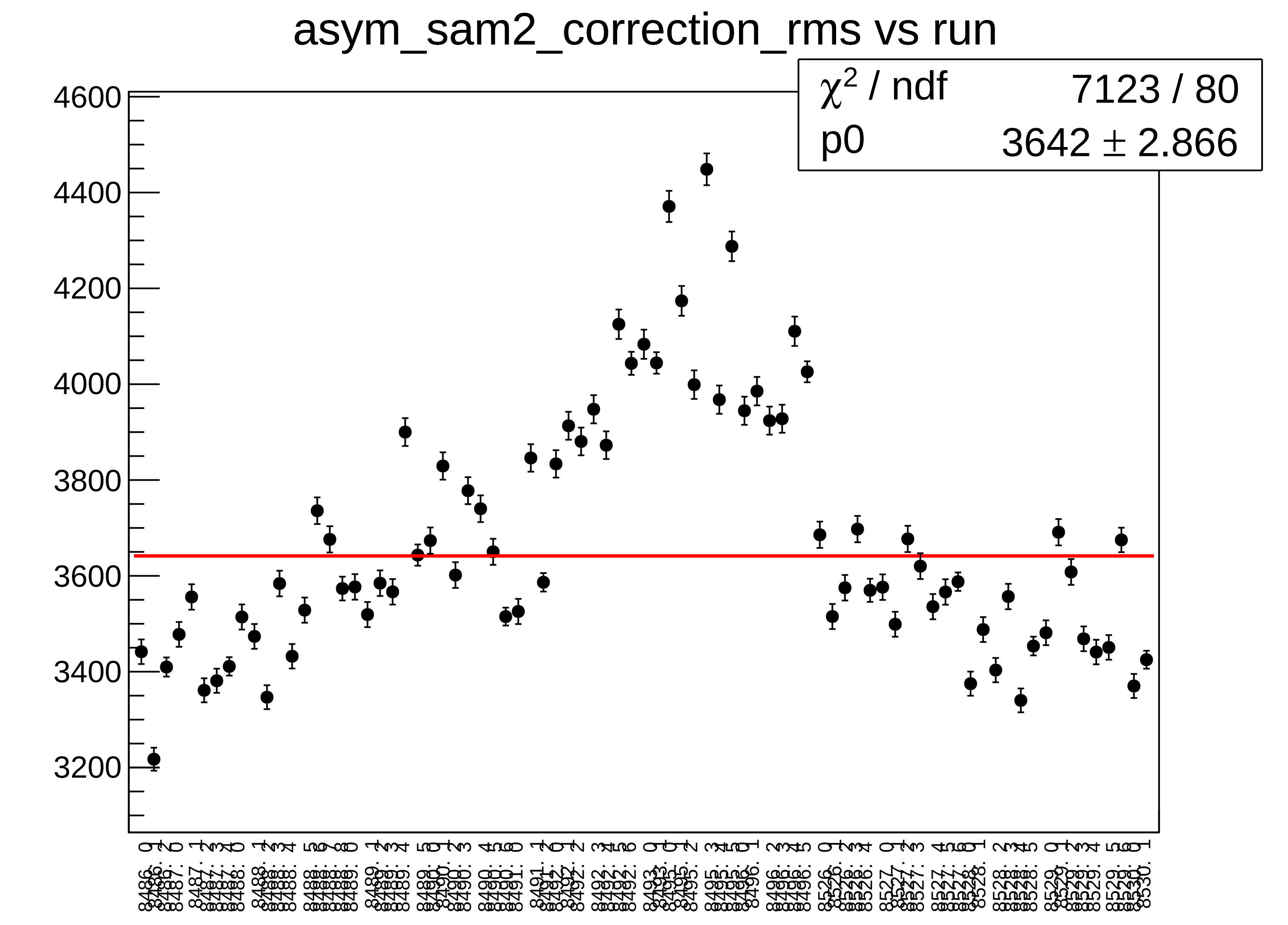
reg_asym_sam2_mean vs run
χ^2 / ndf 76.43 / 80
p0 317.6 ± 262.7
pull
Entries 81
Mean −607.5
Std Dev 651.6
pull1D
Entries 81
Mean 0.006275
Std Dev 0.9714



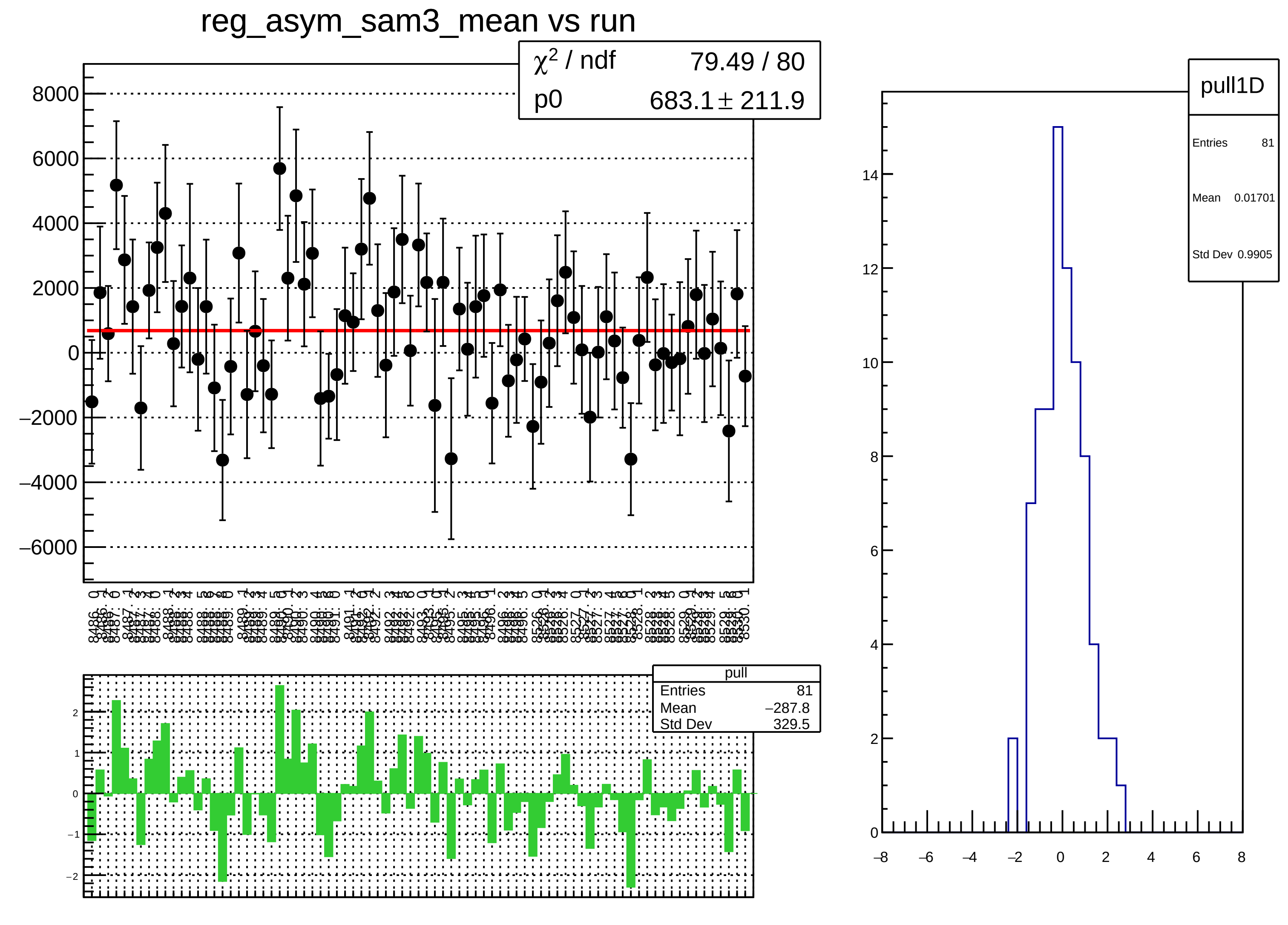
reg_asym_sam2_rms vs run
χ^2 / ndf 7050 / 80
p0 236.1 ± 0.1858
400
350
300
250
200



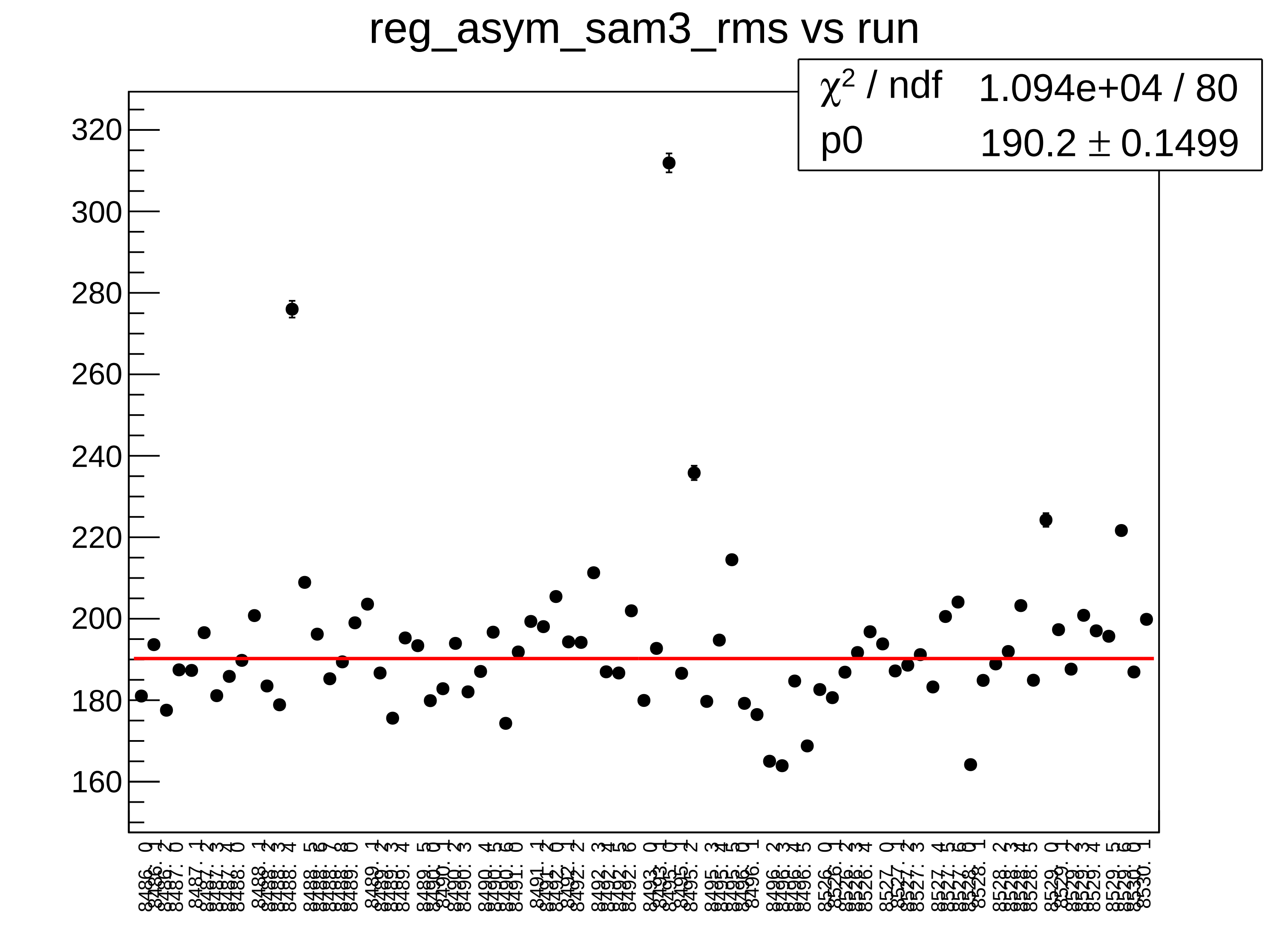
asym_sam2_correction_mean vs run
χ² / ndf 90.46 / 80
p0 −598.6 ± 4053
×10³
pull
Entries 81
Mean 51.48
Std Dev 24.53
pull1D
Entries 81
Mean 0.04195
Std Dev 1.056

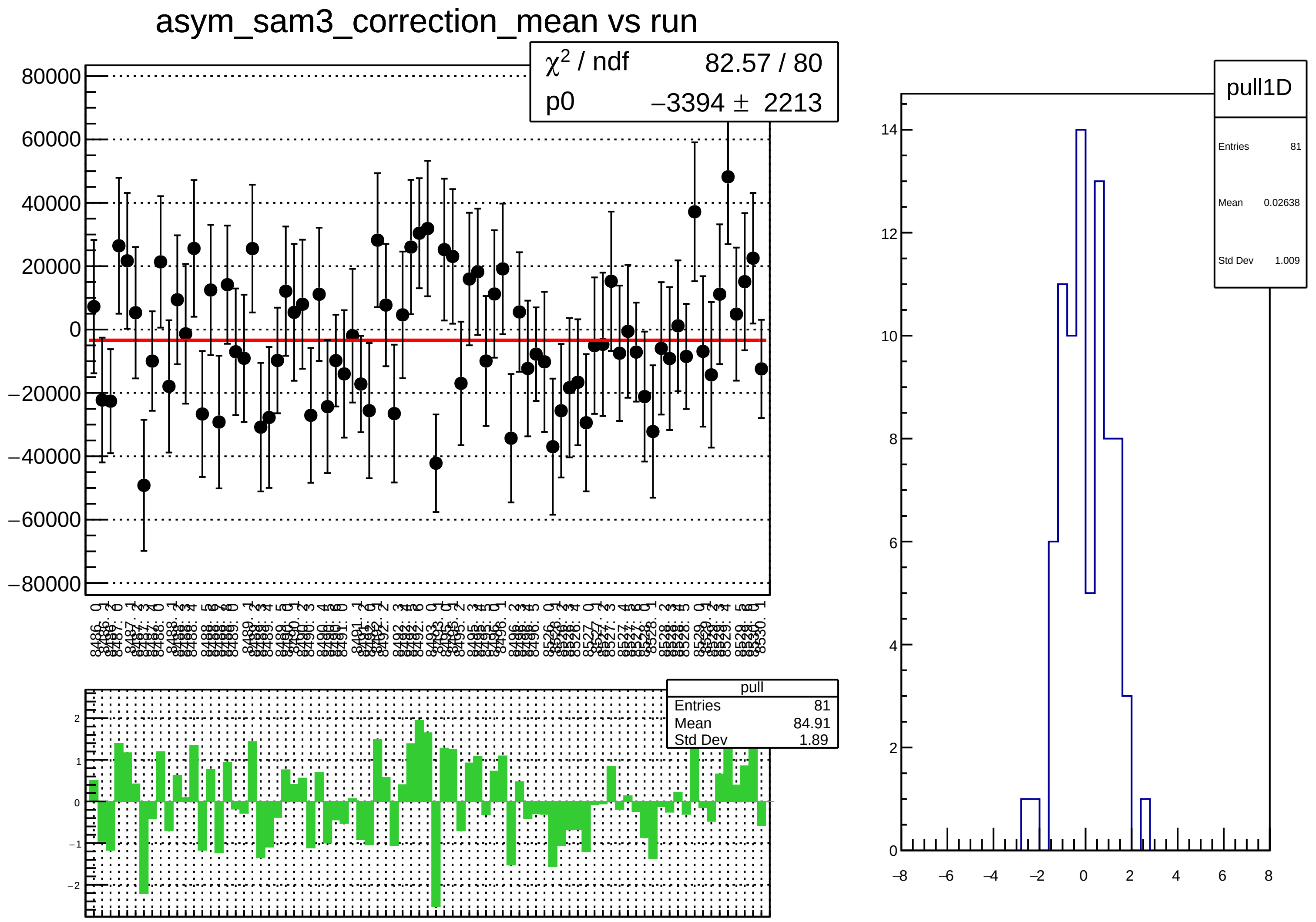


asym_sam2_correction_rms vs run
χ^2 / ndf 7123 / 80
p0 3642 ± 2.866
4600
4400
4200
4000
3800
3600
3400
3200

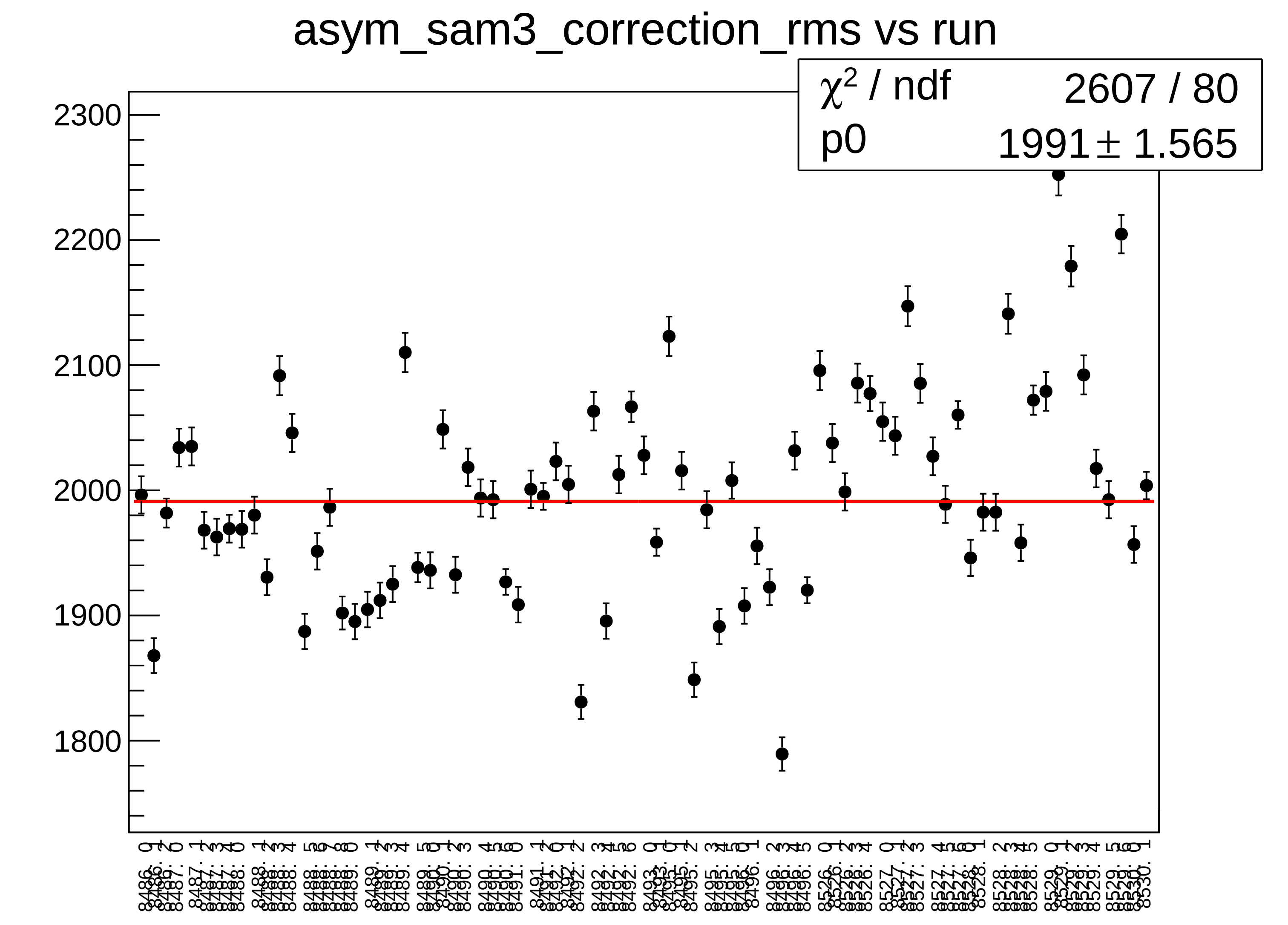


reg_asym_sam3_mean vs run
χ2 / ndf 79.49 / 80
p0 683.1 ± 211.9
pull
Entries 81
Mean −287.8
Std Dev 329.5
pull1D
Entries 81
Mean 0.01701
Std Dev 0.9905

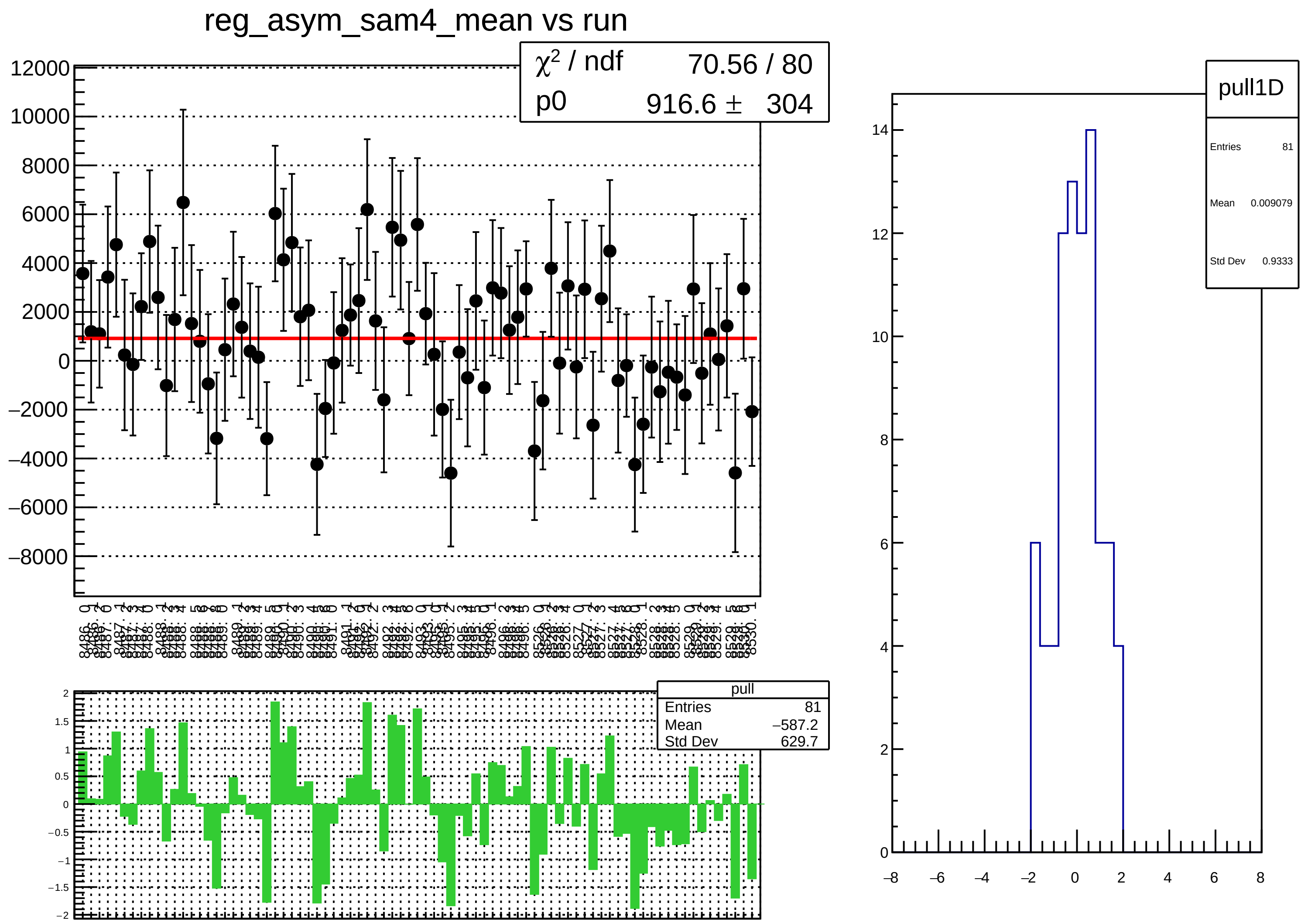

reg_asym_sam3_rms vs run
χ^2 / ndf 1.094e+04 / 80
p0 190.2 ± 0.1499
320
300
280
260
240
220
200
180
160

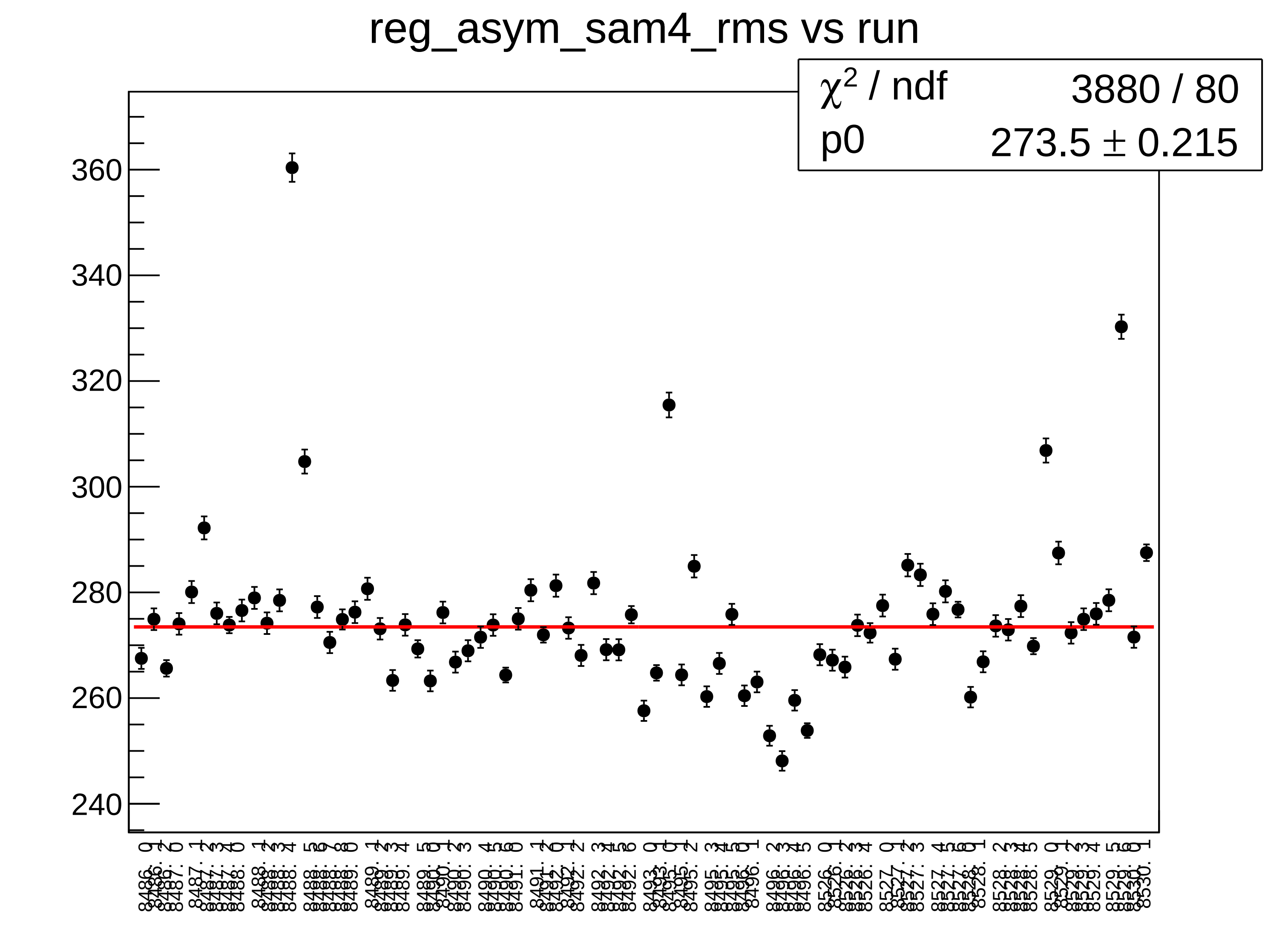


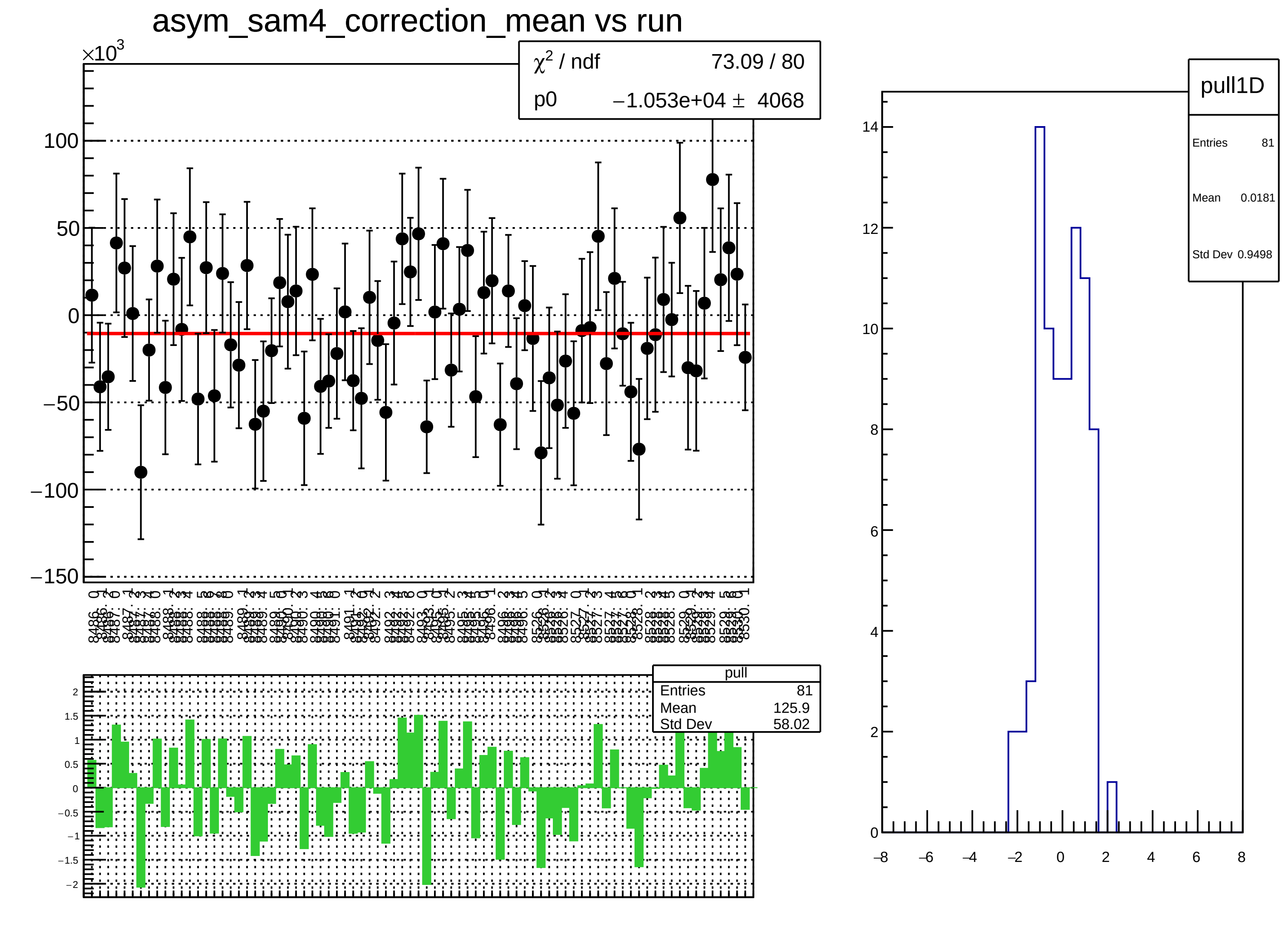
asym_sam3_correction_mean vs run
χ^2 / ndf 82.57 / 80
p0 −3394 ± 2213
pull
Entries 81
Mean 84.91
Std Dev 1.89
pull1D
Entries 81
Mean 0.02638
Std Dev 1.009

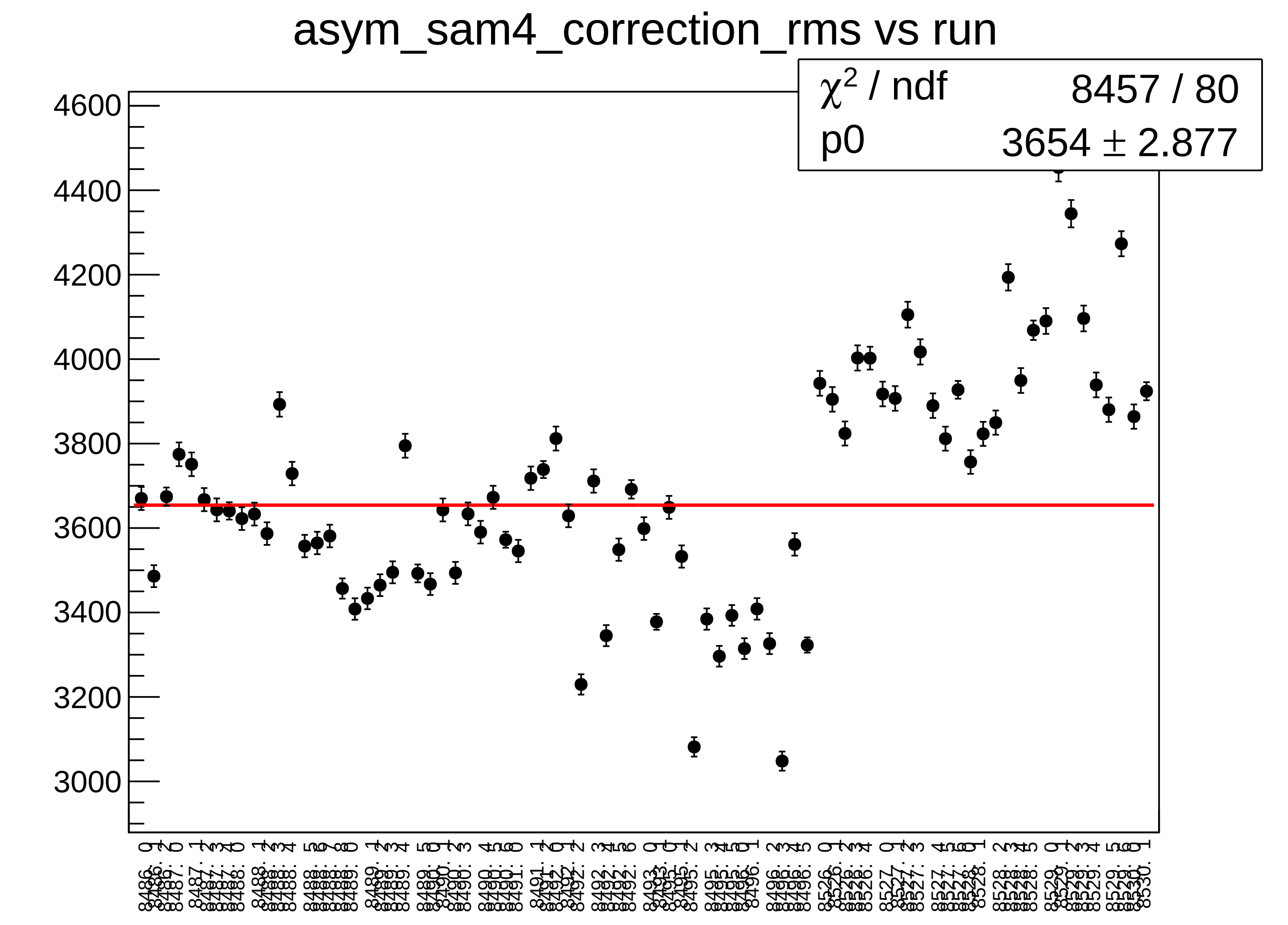


asym_sam3_correction_rms vs run
χ2 / ndf 2607 / 80
p0 1991 ± 1.565
2300
2200
2100
2000
1900
1800

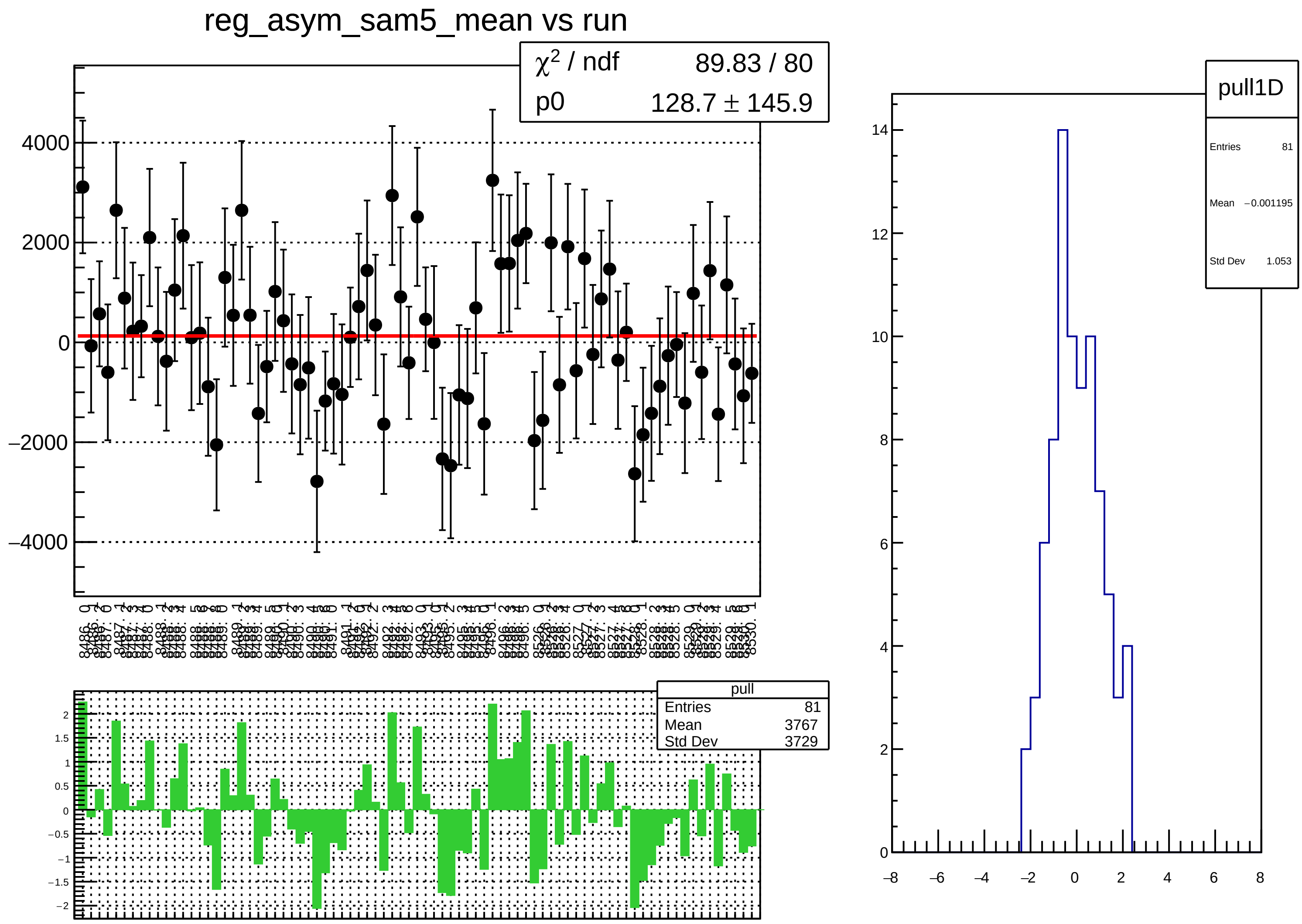

reg_asym_sam4_mean vs run
χ2 / ndf 70.56 / 80
p0 916.6 ± 304
pull
Entries 81
Mean −587.2
Std Dev 629.7
pull1D
Entries 81
Mean 0.009079
Std Dev 0.9333


reg_asym_sam4_rms vs run
χ^2 / ndf 3880 / 80
p0 273.5 ± 0.215
360
340
320
300
280
260
240

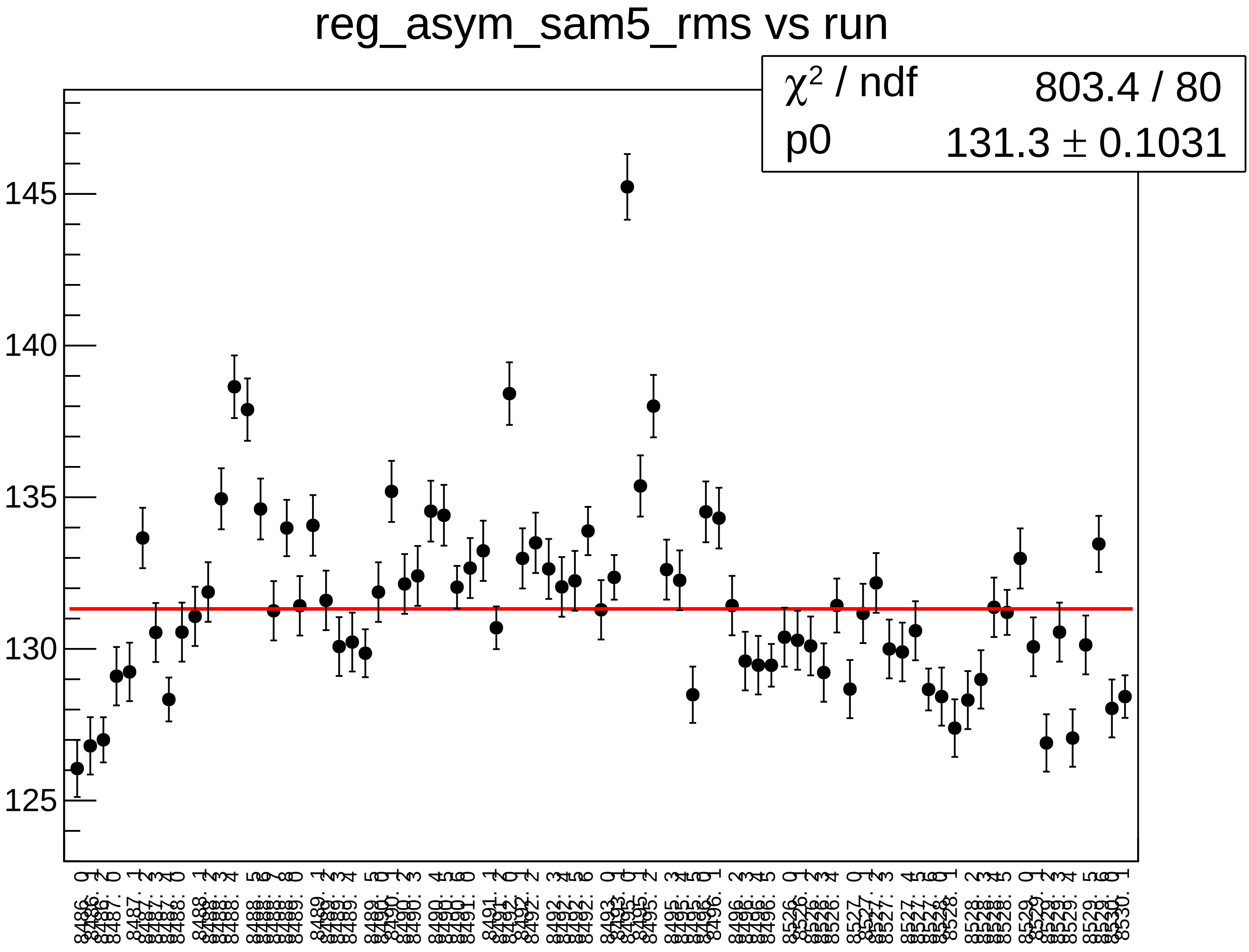

asym_sam4_correction_mean vs run
χ^2 / ndf 73.09 / 80
p0 −1.053e+04 ± 4068
×10³
pull
Entries 81
Mean 125.9
Std Dev 58.02
pull1D
Entries 81
Mean 0.0181
Std Dev 0.9498

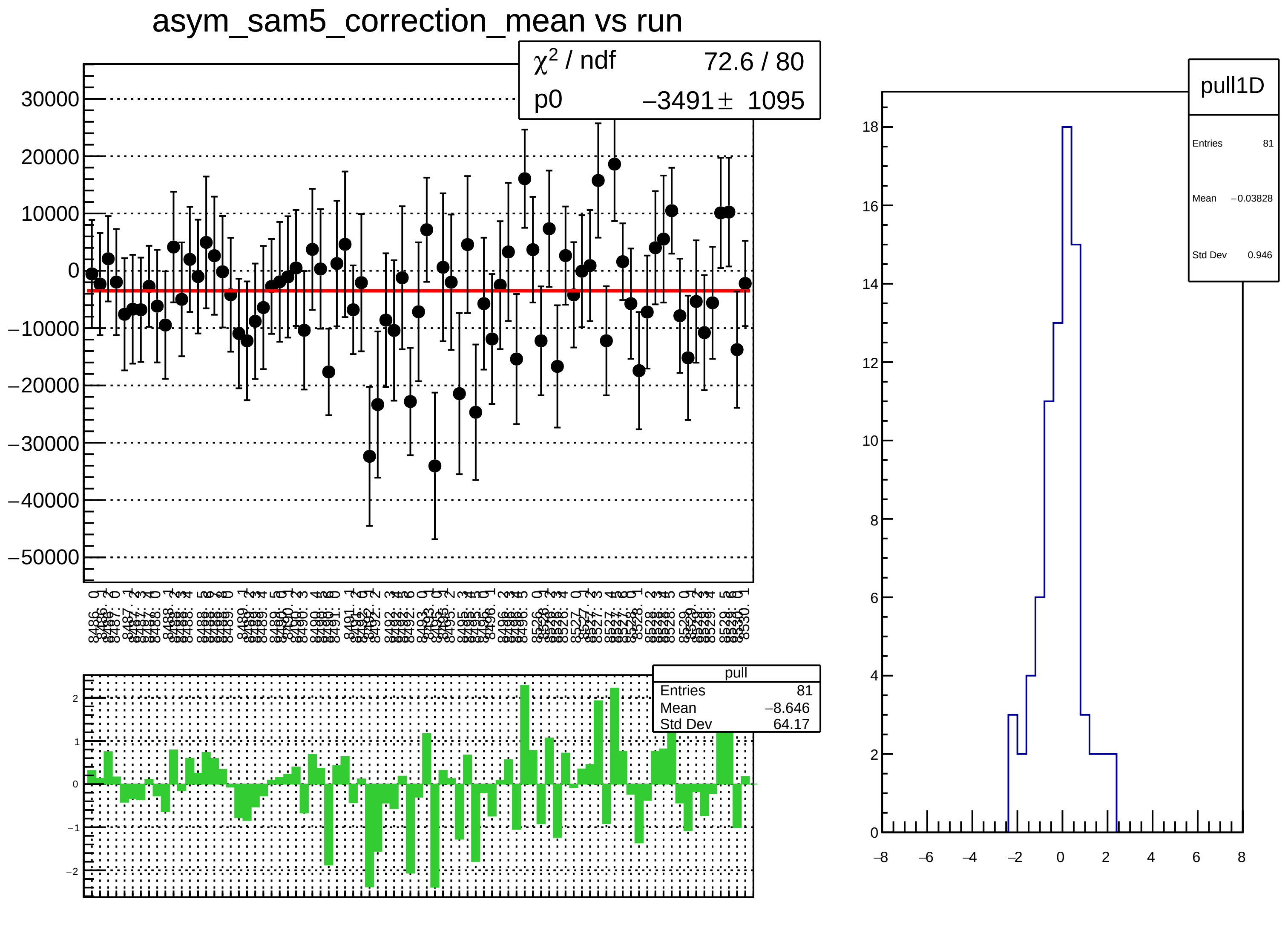


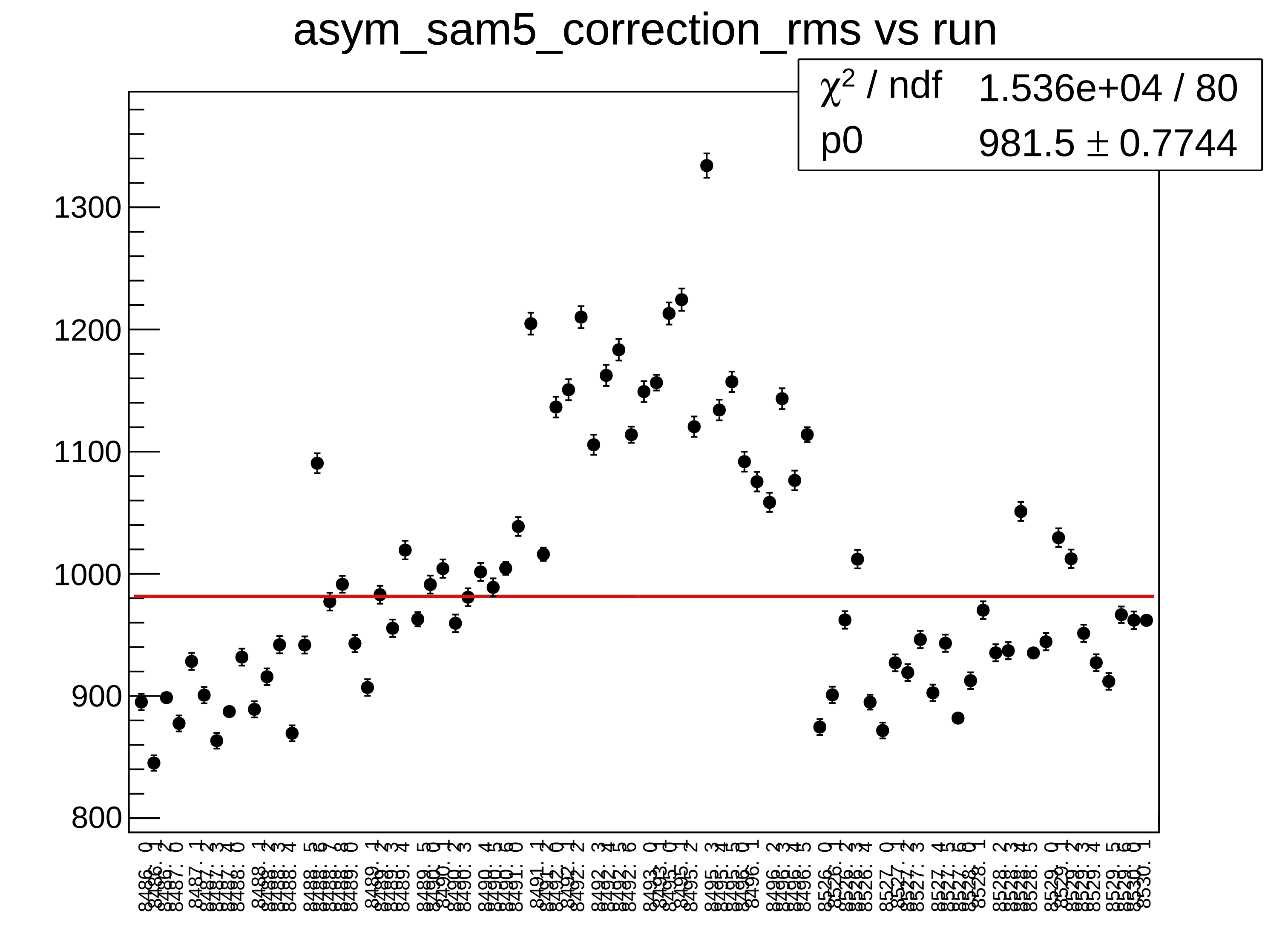
asym_sam4_correction_rms vs run
χ^2 / ndf 8457 / 80
p0 3654 ± 2.877
4600
4400
4200
4000
3800
3600
3400
3200
3000



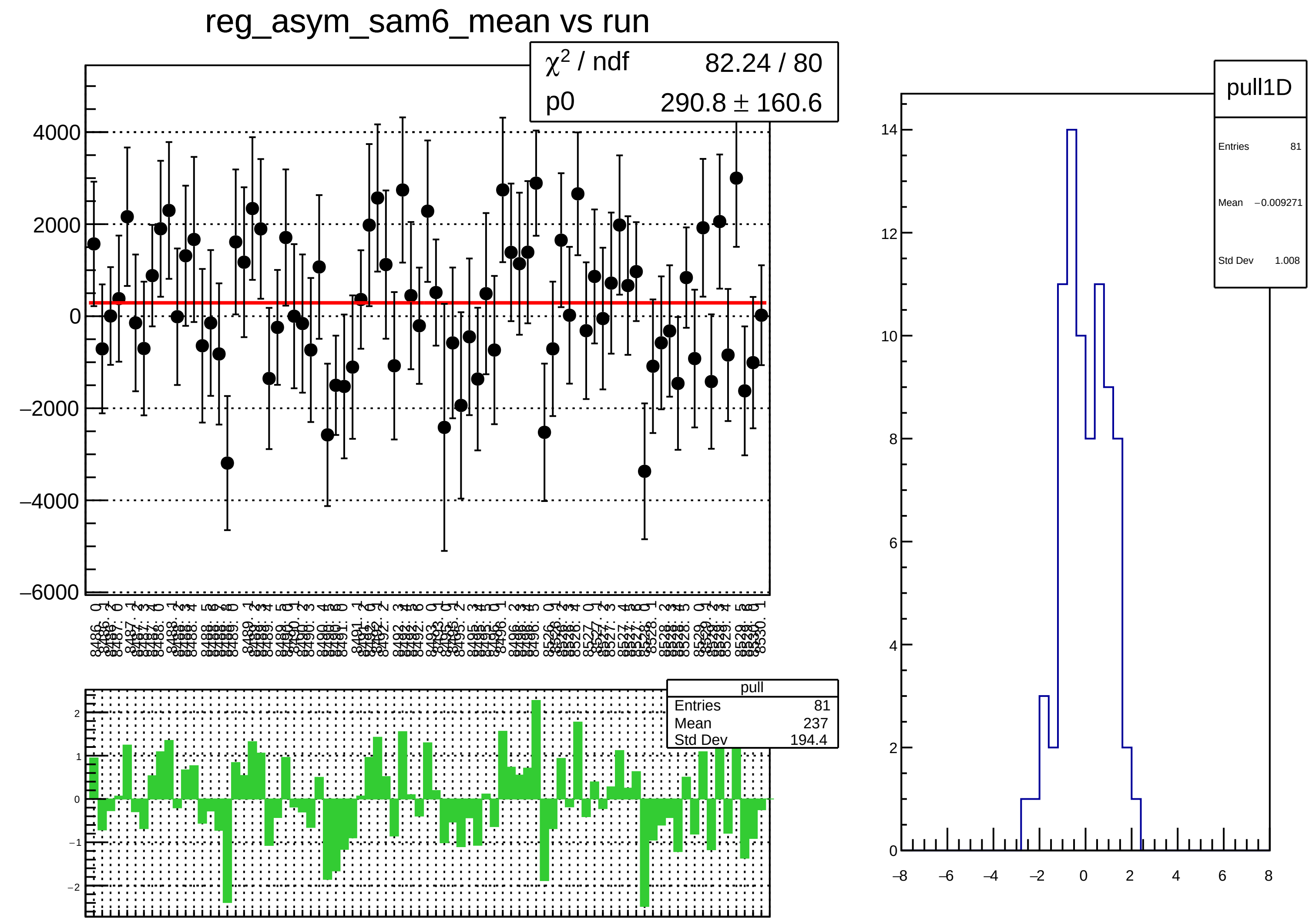
reg_asym_sam5_mean vs run
χ^2 / ndf 89.83 / 80
p0 128.7 ± 145.9
pull
Entries 81
Mean 3767
Std Dev 3729
pull1D
Entries 81
Mean −0.001195
Std Dev 1.053

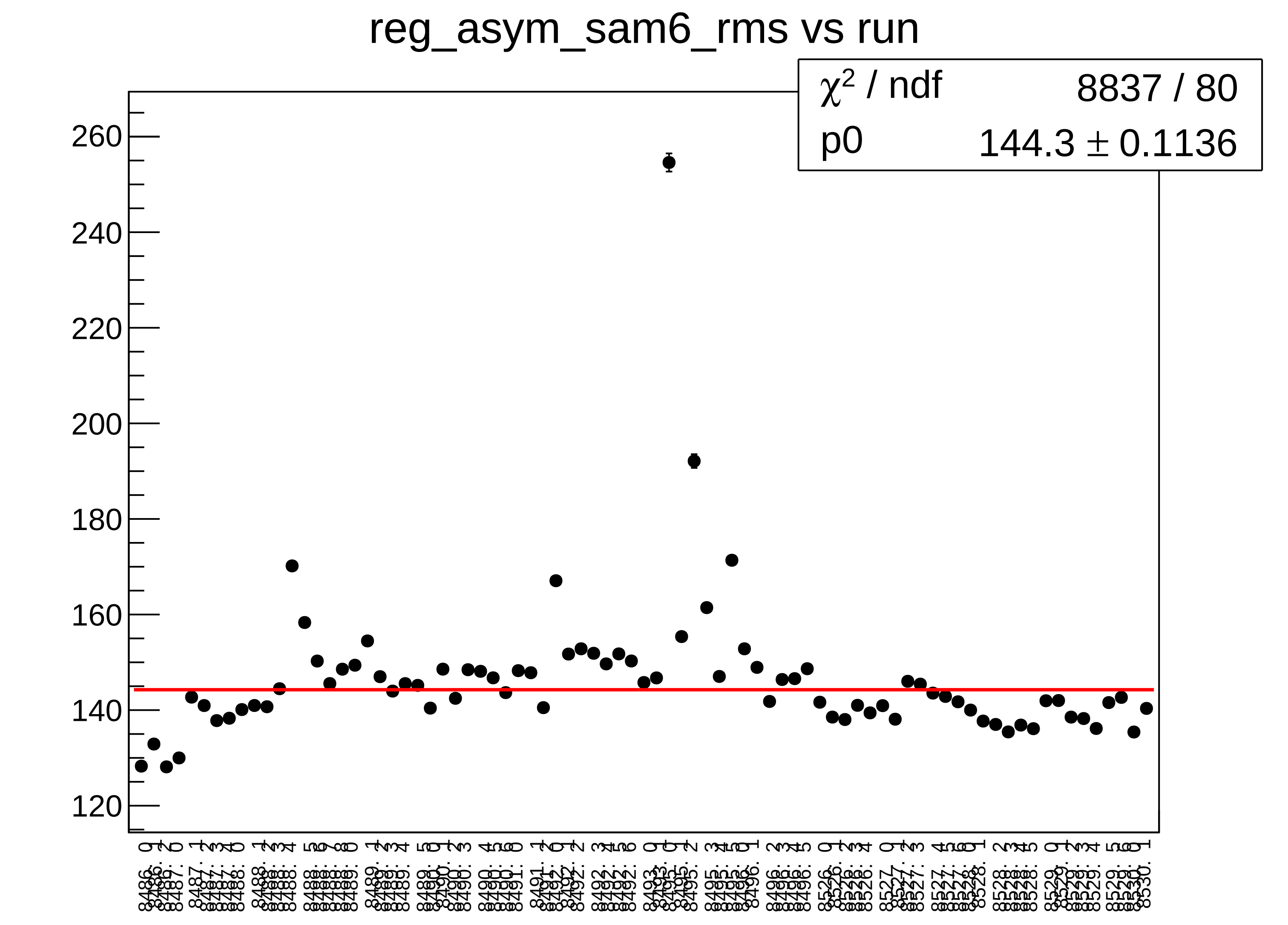

reg_asym_sam5_rms vs run
χ2 / ndf 803.4 / 80
p0 131.3 ± 0.1031
145
140
135
130
125


asym_sam5_correction_mean vs run
χ^2 / ndf 72.6 / 80
p0 −3491 ± 1095
pull
Entries 81
Mean −8.646
Std Dev 64.17
pull1D
Entries 81
Mean −0.03828
Std Dev 0.946

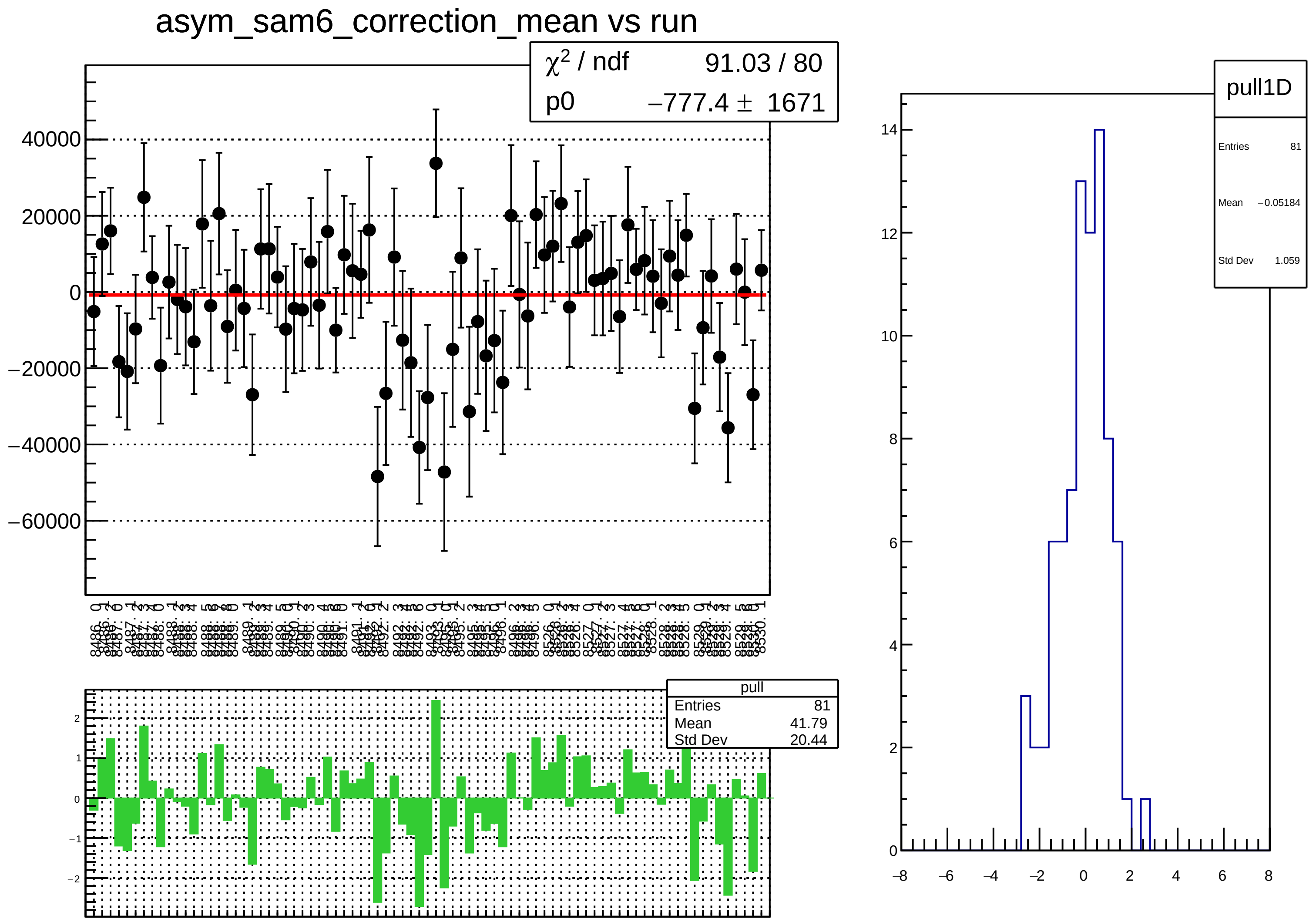


asym_sam5_correction_rms vs run
χ2 / ndf 1.536e+04 / 80
p0 981.5 ± 0.7744
1300
1200
1100
1000
900
800

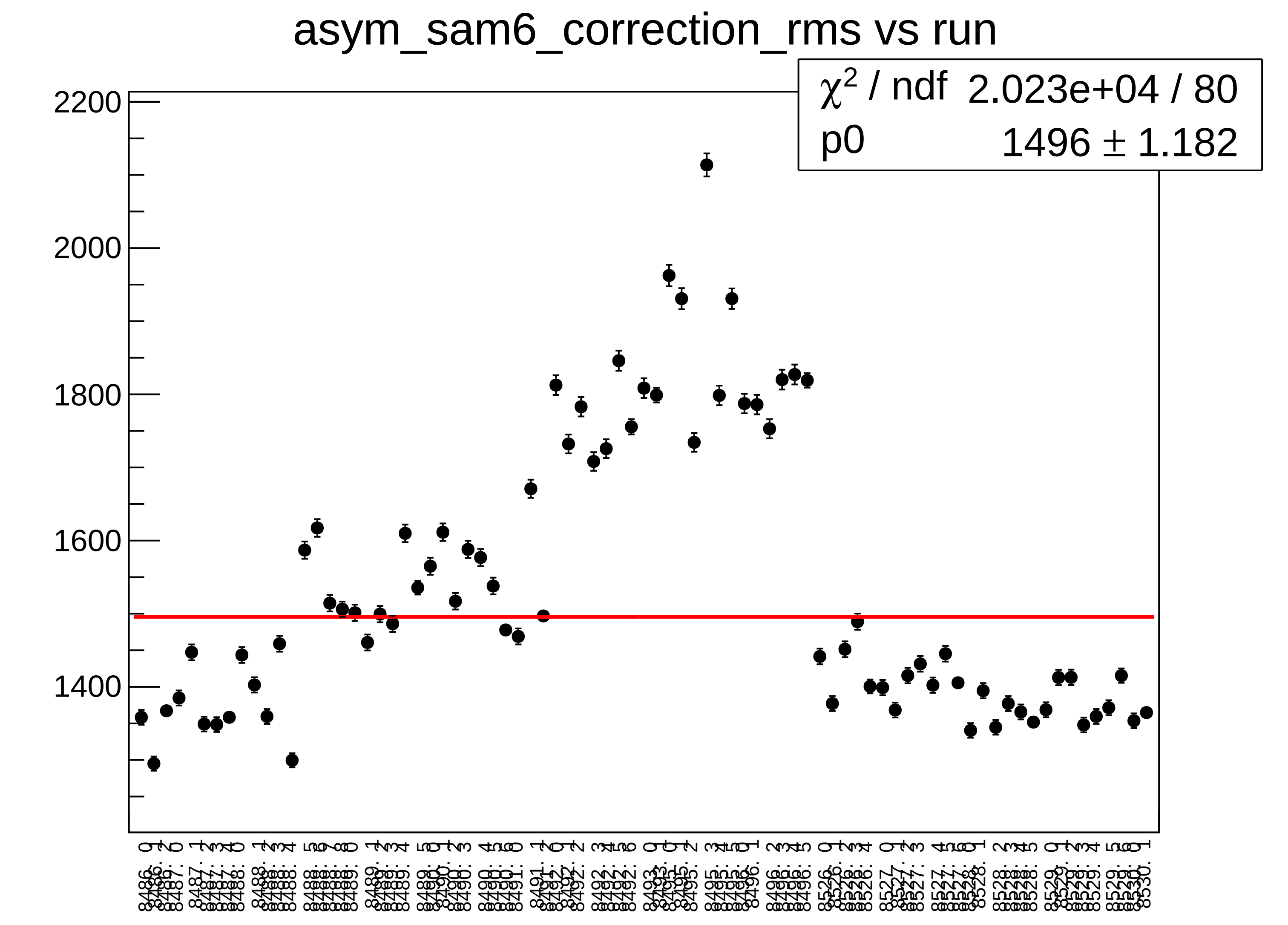

reg_asym_sam6_mean vs run
χ^2 / ndf 82.24 / 80
p0 290.8 ± 160.6
pull
Entries 81
Mean 237
Std Dev 194.4
pull1D
Entries 81
Mean −0.009271
Std Dev 1.008

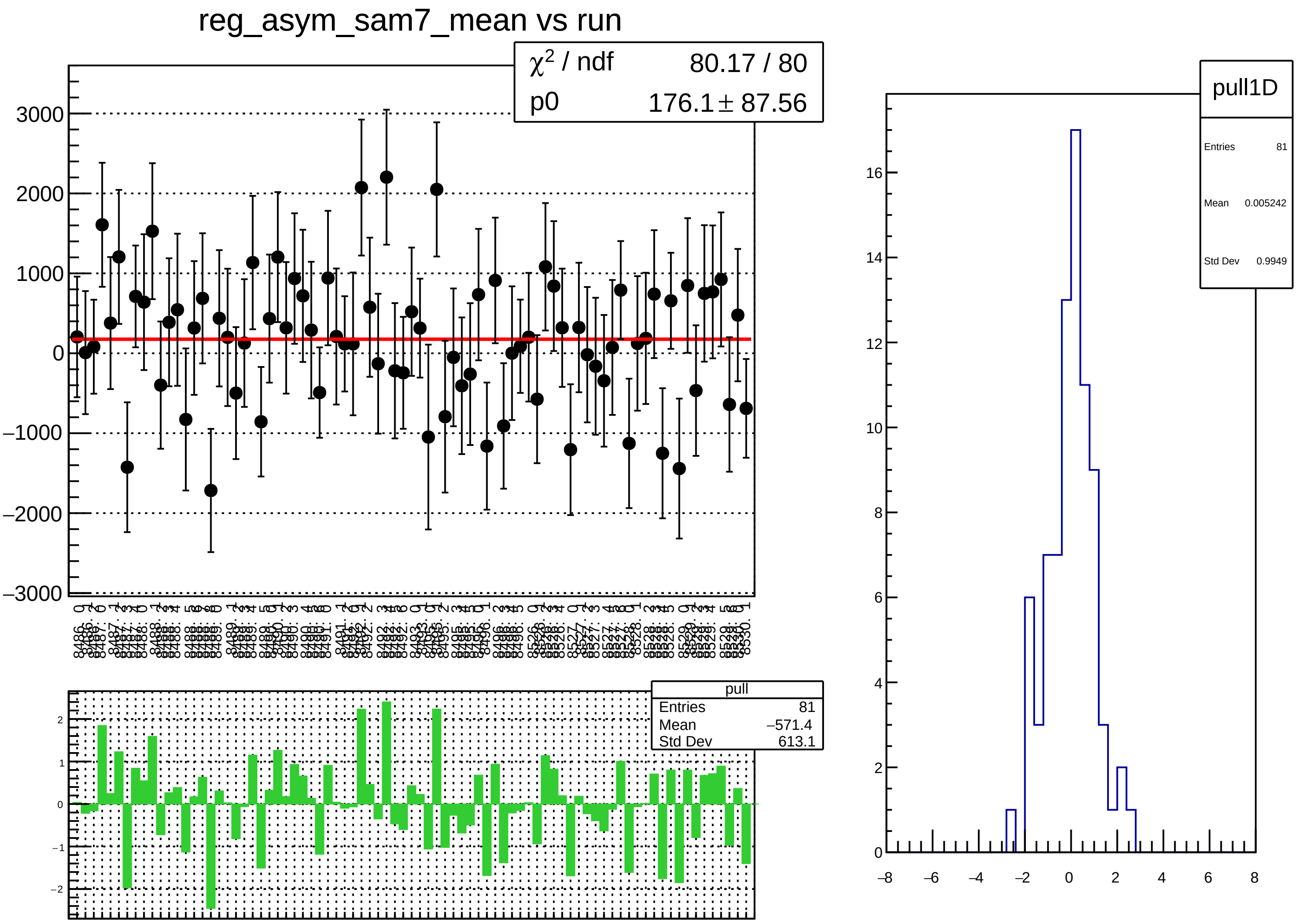


reg_asym_sam6_rms vs run
χ^2 / ndf 8837 / 80
p0 144.3 ± 0.1136
260
240
220
200
180
160
140
120

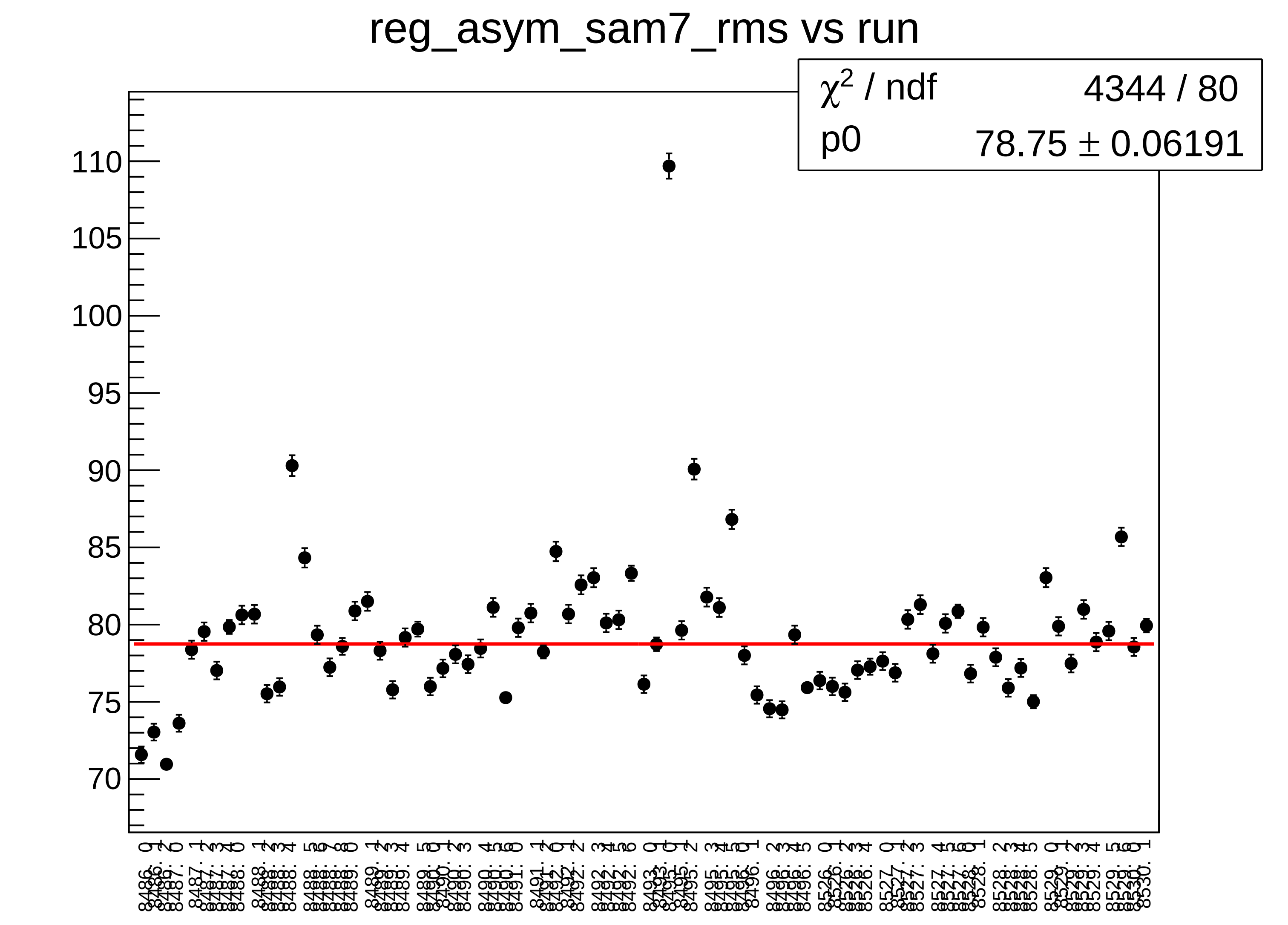


asym_sam6_correction_mean vs run
χ^2 / ndf 91.03 / 80
p0 −777.4 ± 1671
pull
Entries 81
Mean 41.79
Std Dev 20.44
pull1D
Entries 81
Mean −0.05184
Std Dev 1.059


asym_sam6_correction_rms vs run
χ^2 / ndf 2.023e+04 / 80
p0 1496 ± 1.182
2200
2000
1800
1600
1400

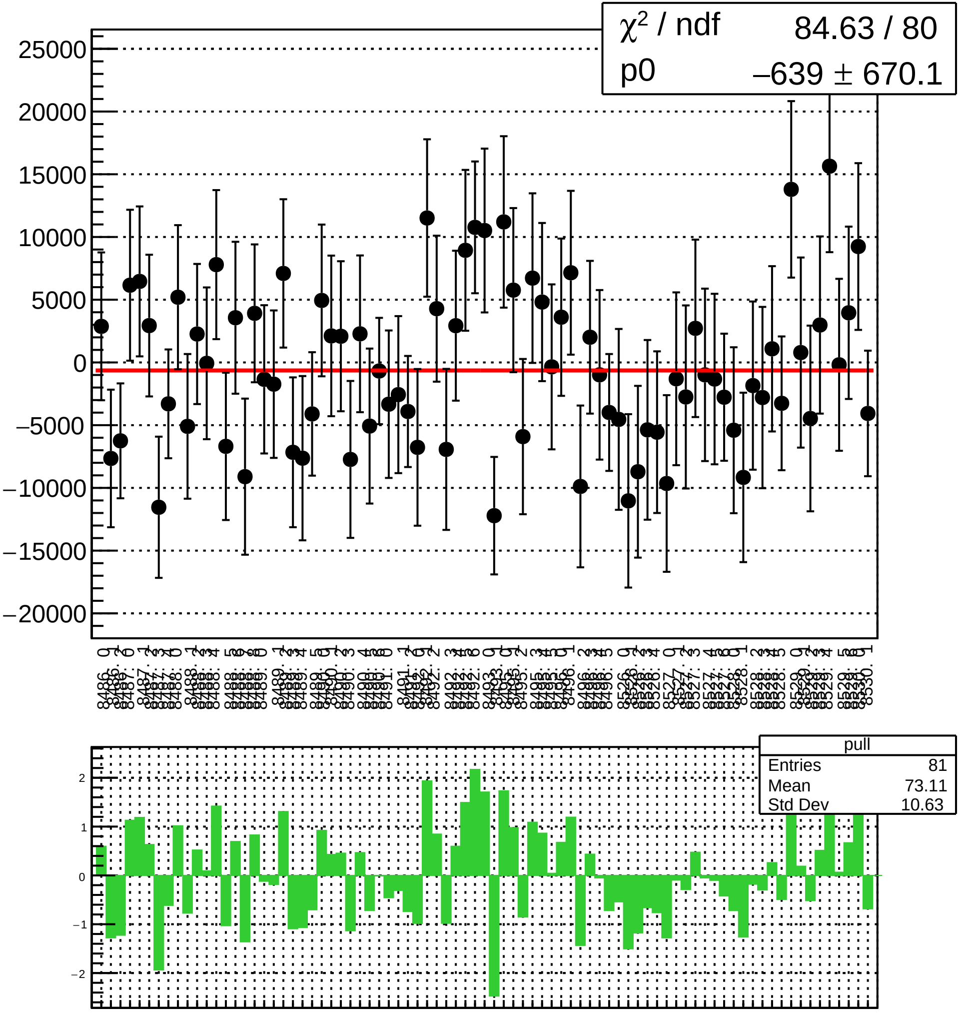


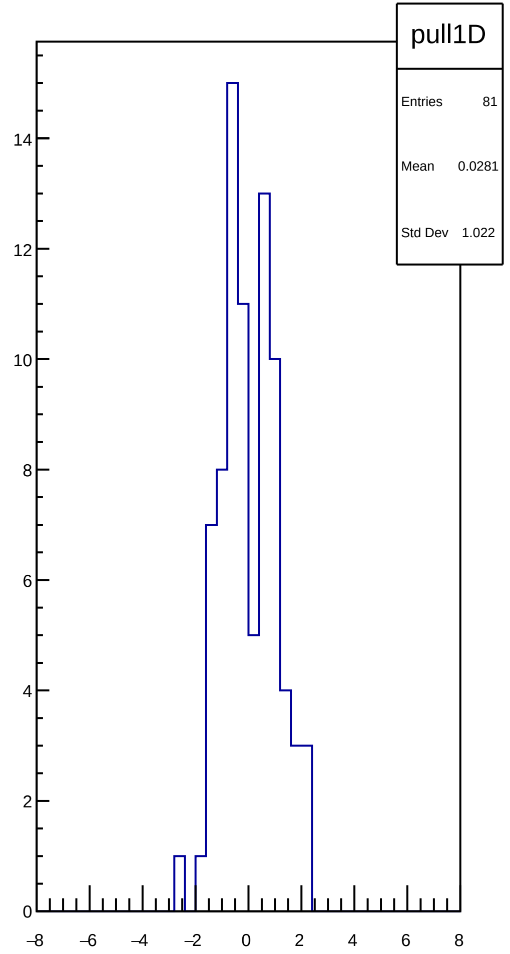
reg_asym_sam7_mean vs run
χ^2 / ndf 80.17 / 80
p0 176.1 ± 87.56
pull
Entries 81
Mean −571.4
Std Dev 613.1
pull1D
Entries 81
Mean 0.005242
Std Dev 0.9949

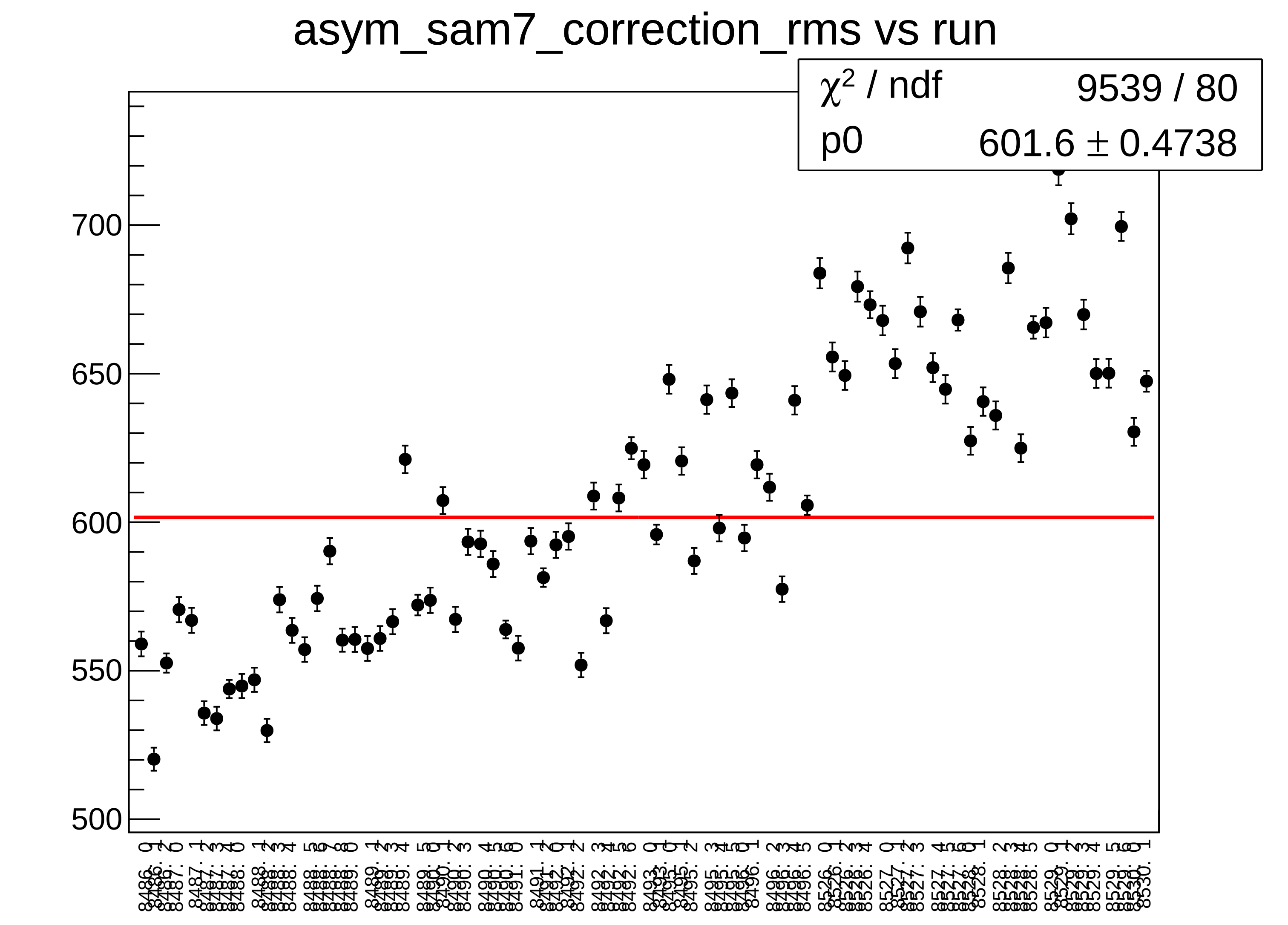


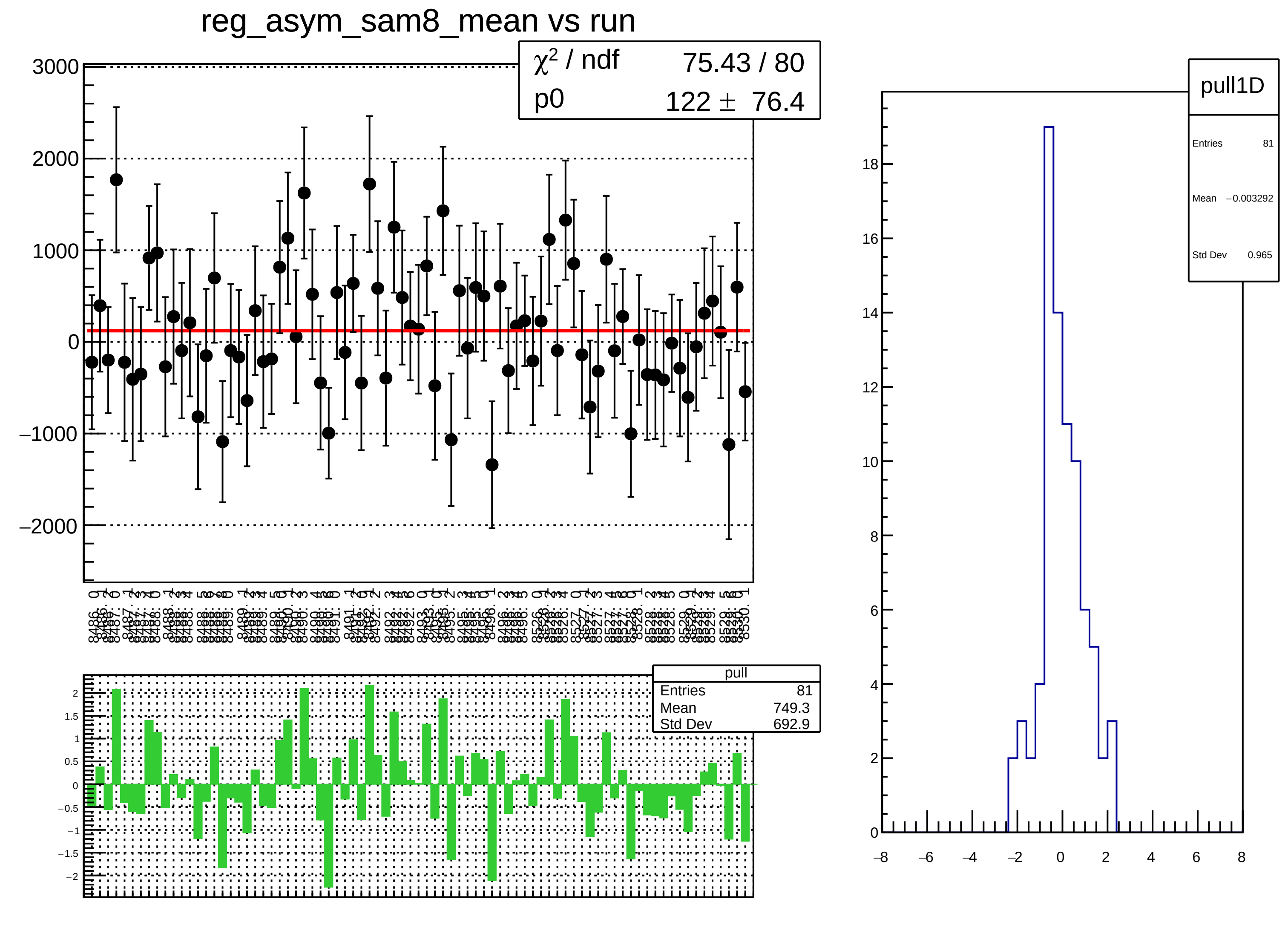
reg_asym_sam7_rms vs run
χ^2 / ndf 4344 / 80
p0 78.75 ± 0.06191

asym_sam7_correction_mean vs run

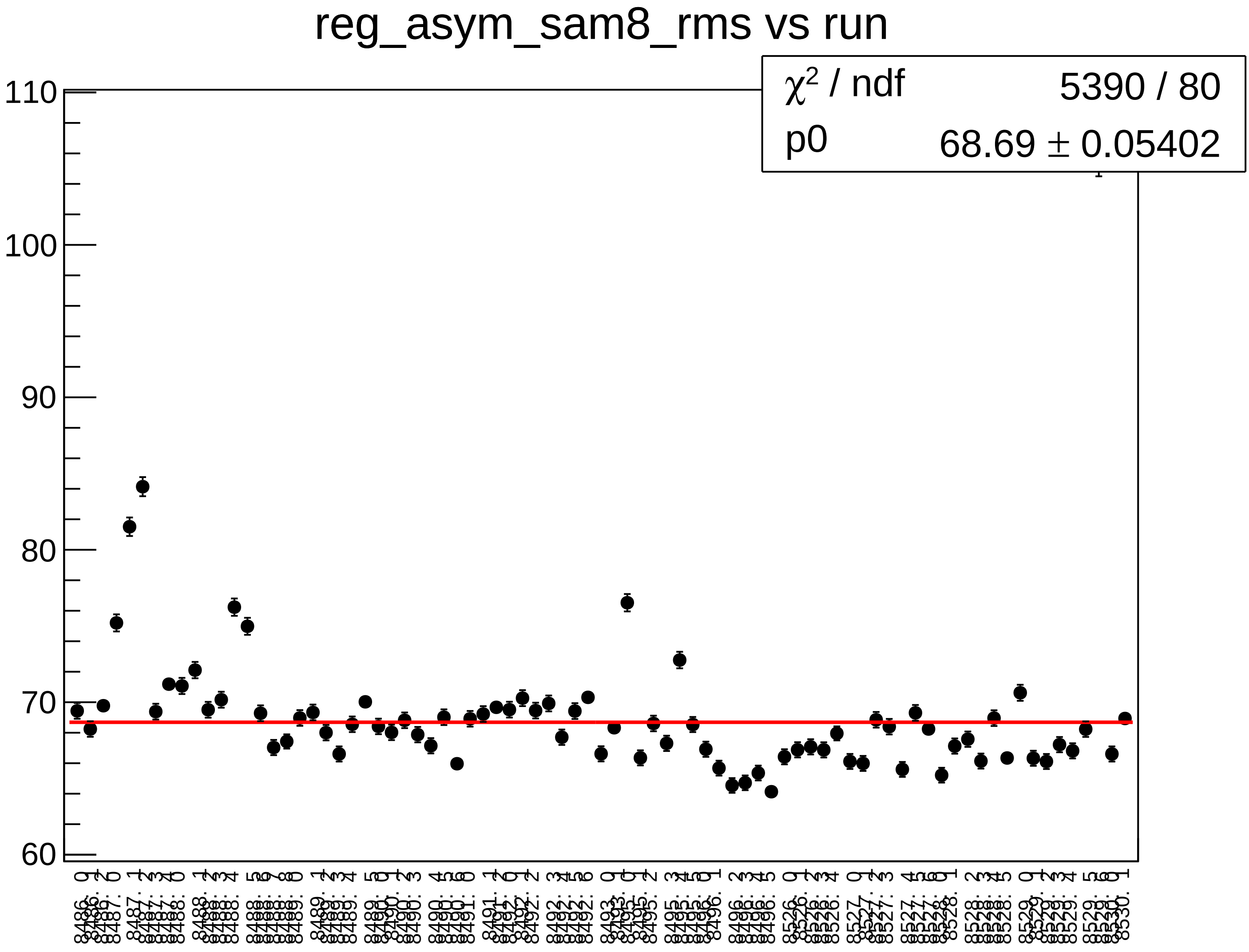


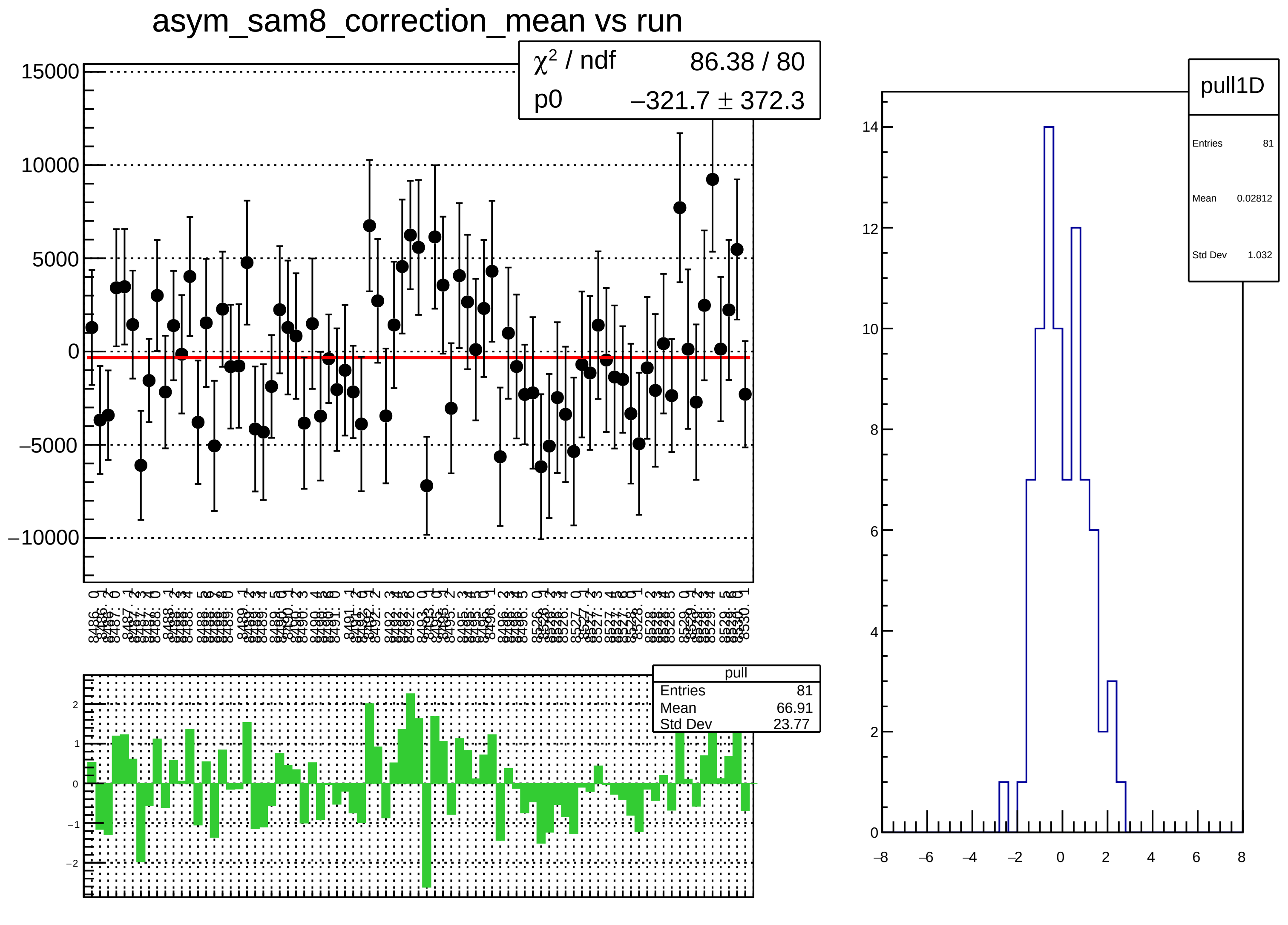



asym_sam7_correction_rms vs run
χ2 / ndf 9539 / 80
p0 601.6 ± 0.4738
700
650
600
550
500

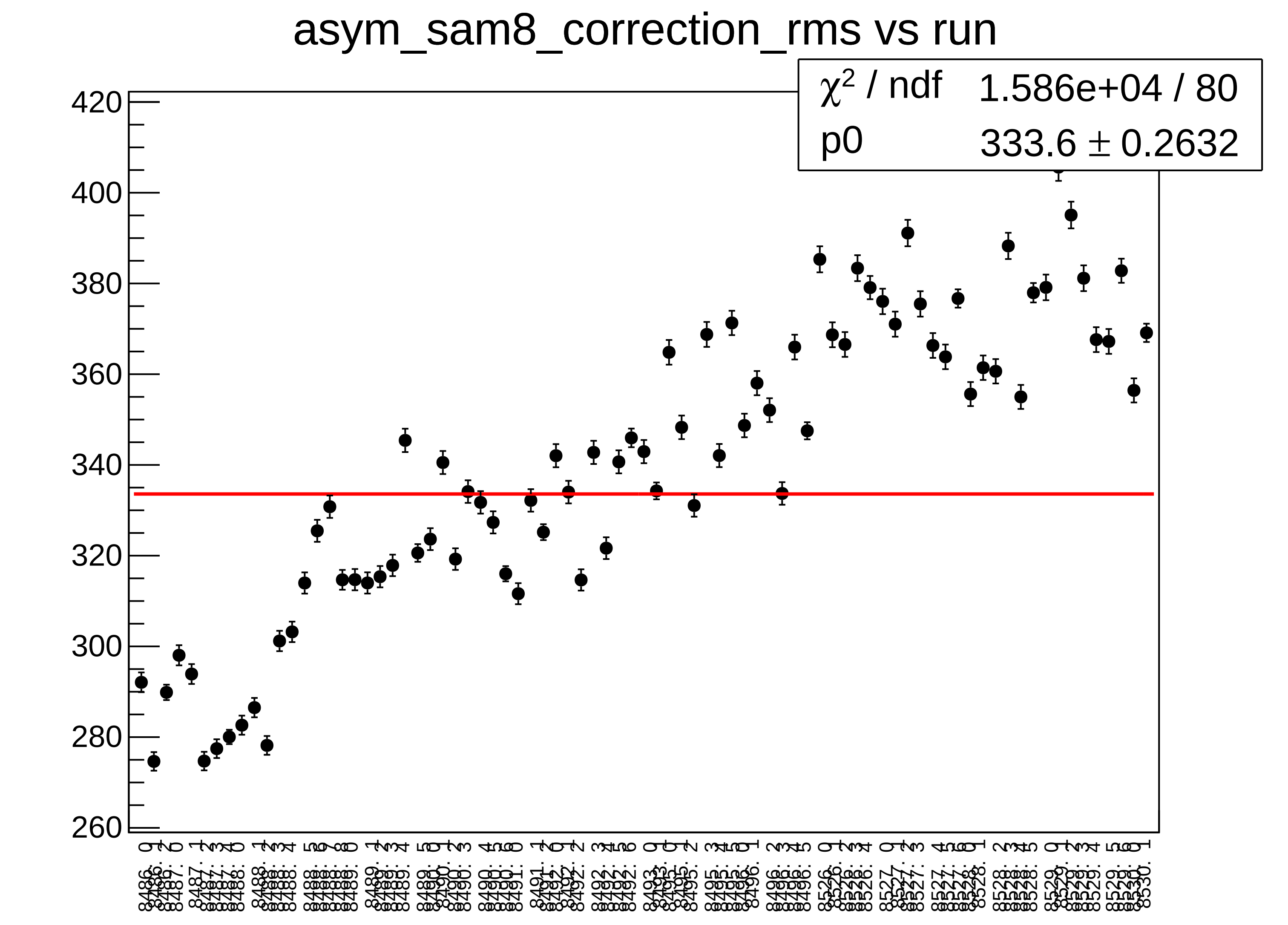


reg_asym_sam8_mean vs run
χ^2 / ndf 75.43 / 80
p0 122 ± 76.4
pull
Entries 81
Mean 749.3
Std Dev 692.9
pull1D
Entries 81
Mean −0.003292
Std Dev 0.965

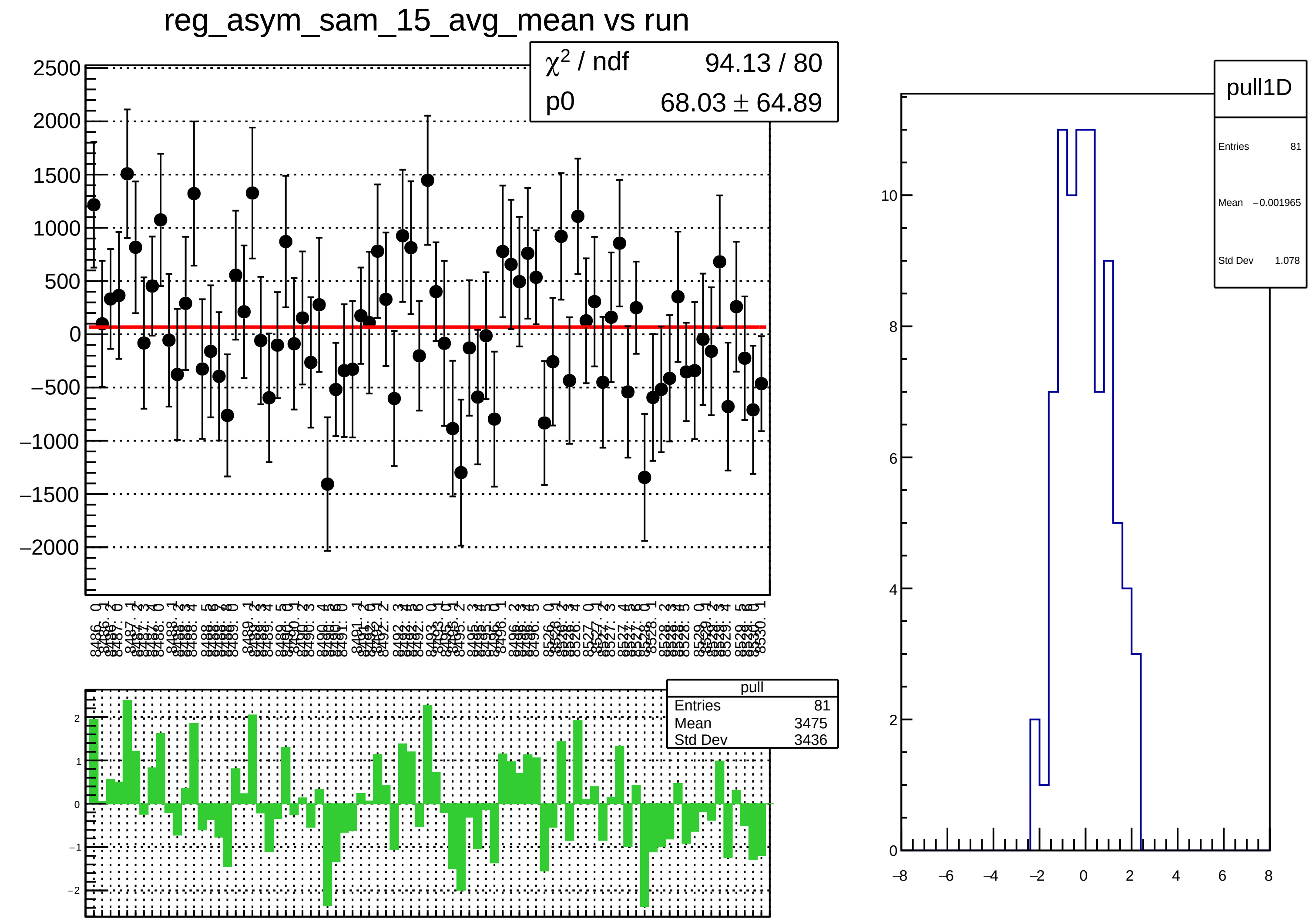

reg_asym_sam8_rms vs run
χ^2 / ndf 5390 / 80
p0 68.69 ± 0.05402
110
100
90
80
70
60

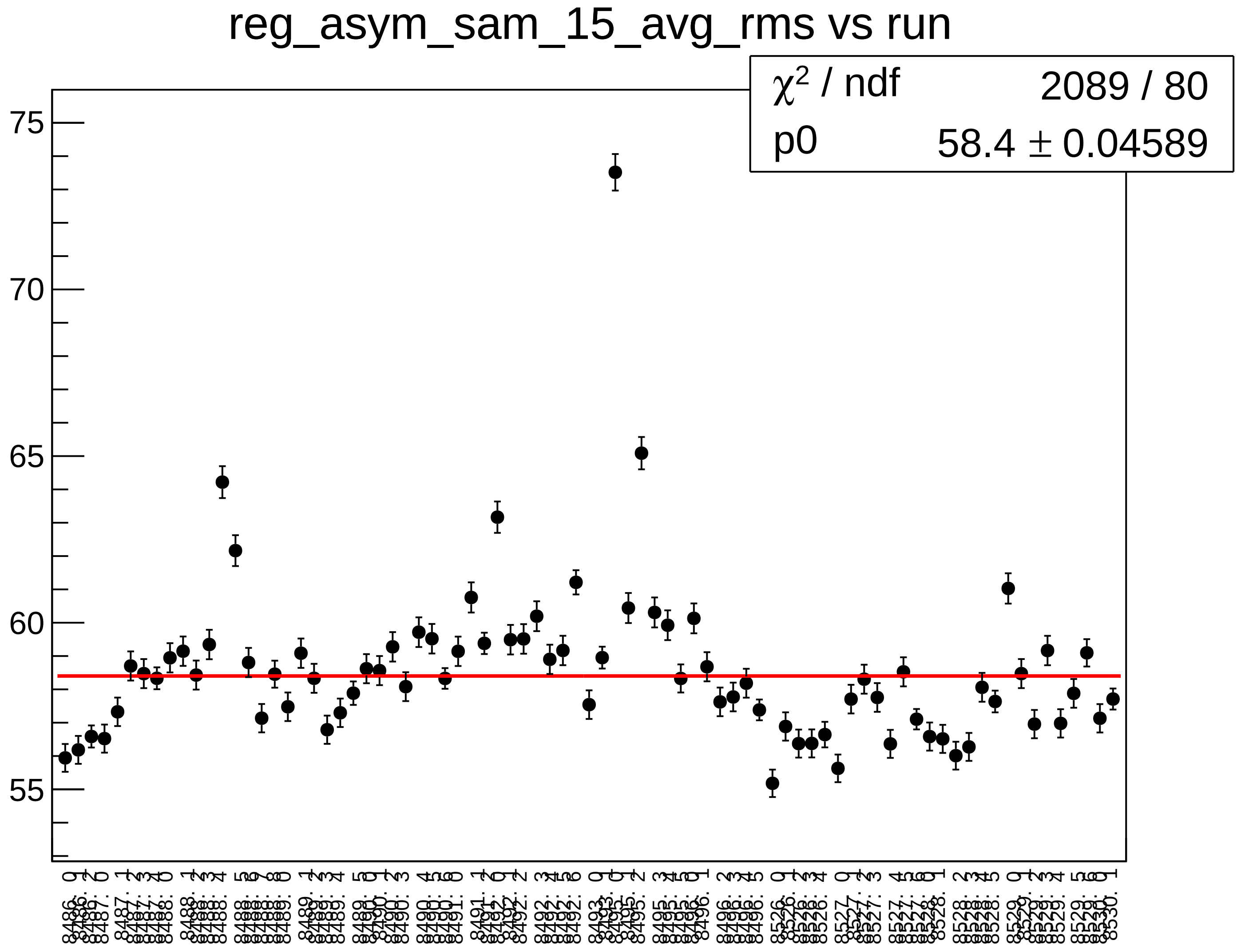


asym_sam8_correction_mean vs run
χ^2 / ndf 86.38 / 80
p0 −321.7 ± 372.3
pull
Entries 81
Mean 66.91
Std Dev 23.77
pull1D
Entries 81
Mean 0.02812
Std Dev 1.032

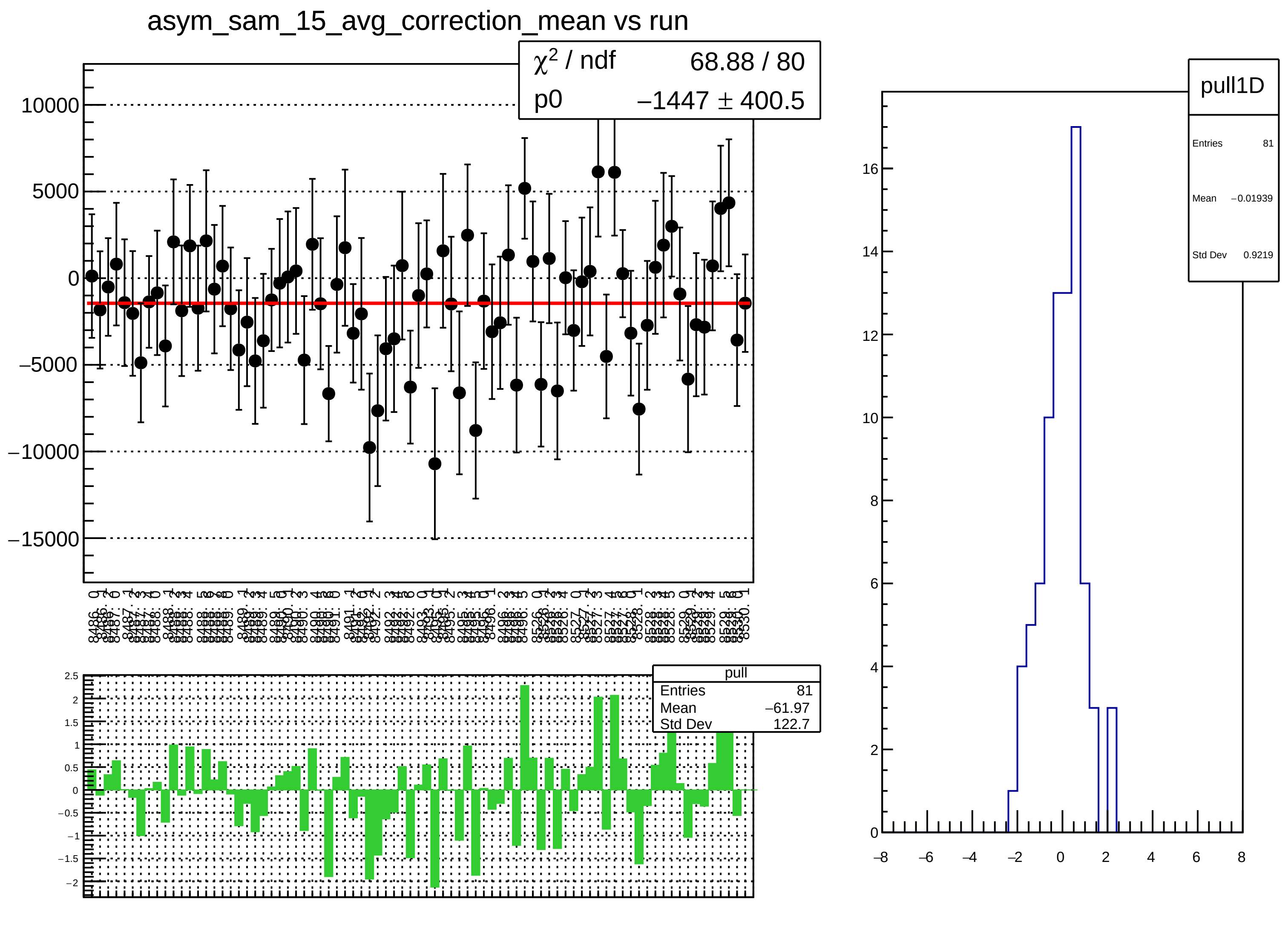


asym_sam8_correction_rms vs run
χ² / ndf 1.586e+04 / 80
p0 333.6 ± 0.2632
420
400
380
360
340
320
300
280
260

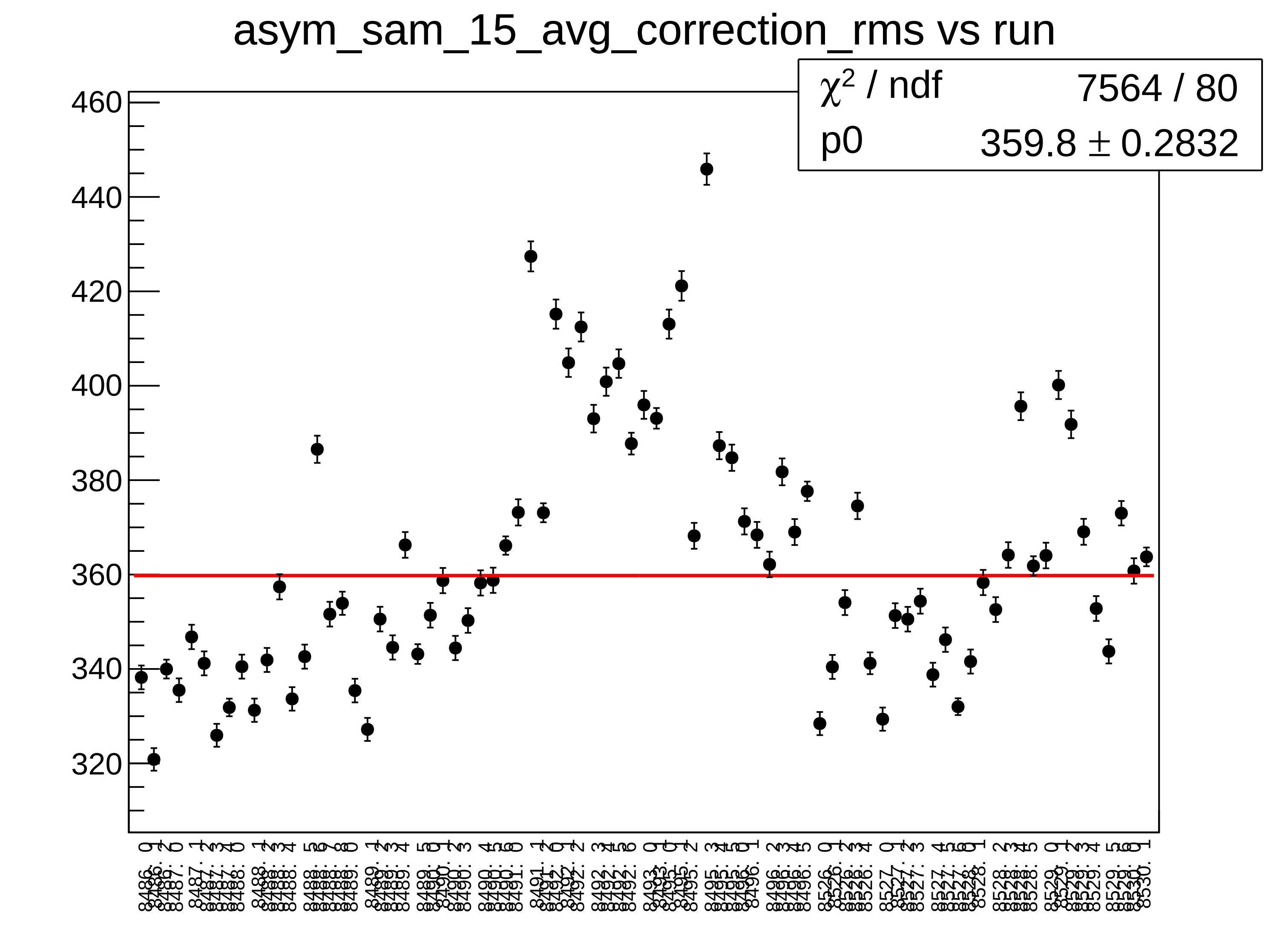

reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 94.13 / 80
p0 68.03 ± 64.89
pull
Entries 81
Mean 3475
Std Dev 3436
pull1D
Entries 81
Mean −0.001965
Std Dev 1.078

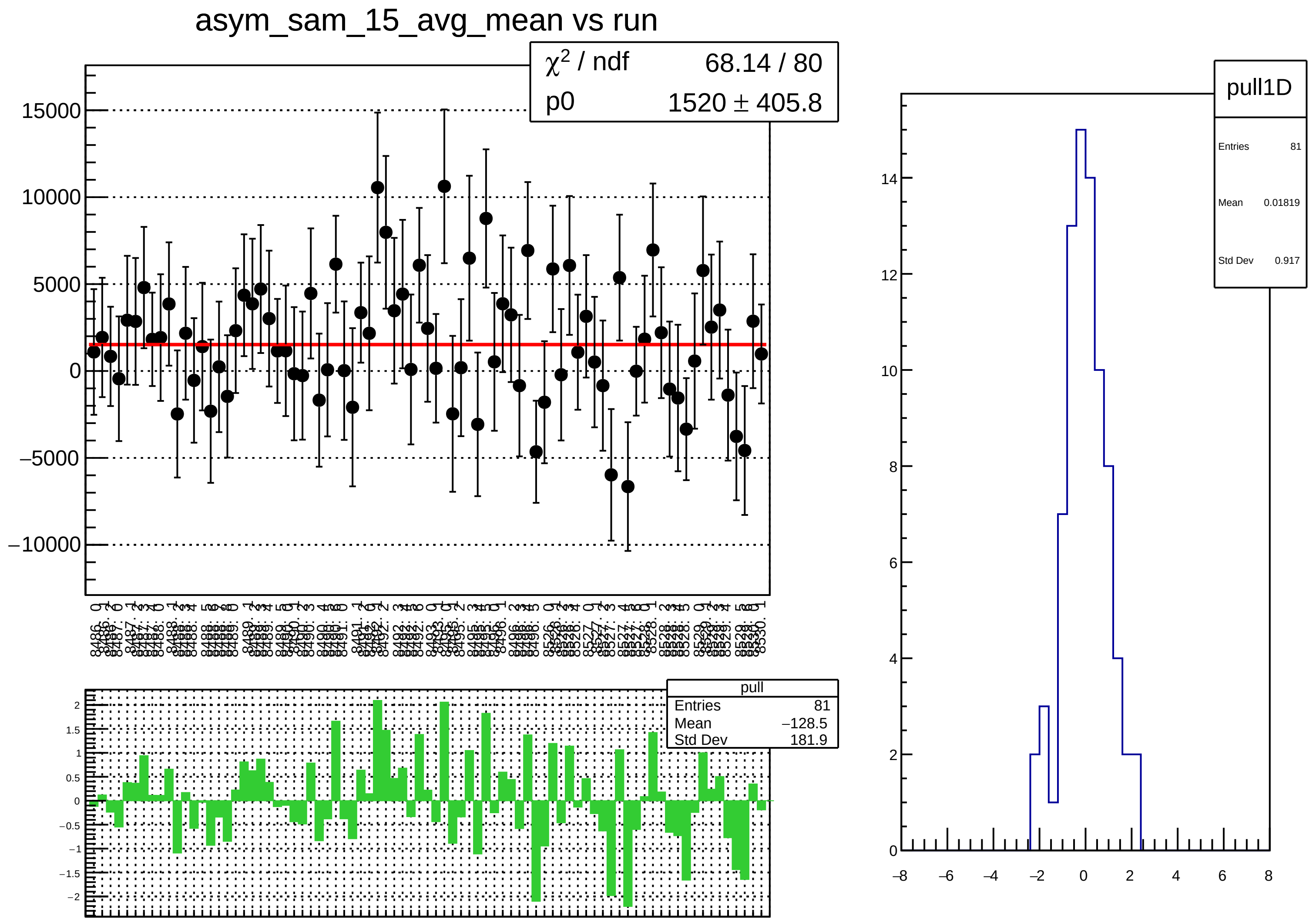


reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 2089 / 80
p0 58.4 ± 0.04589
75
70
65
60
55

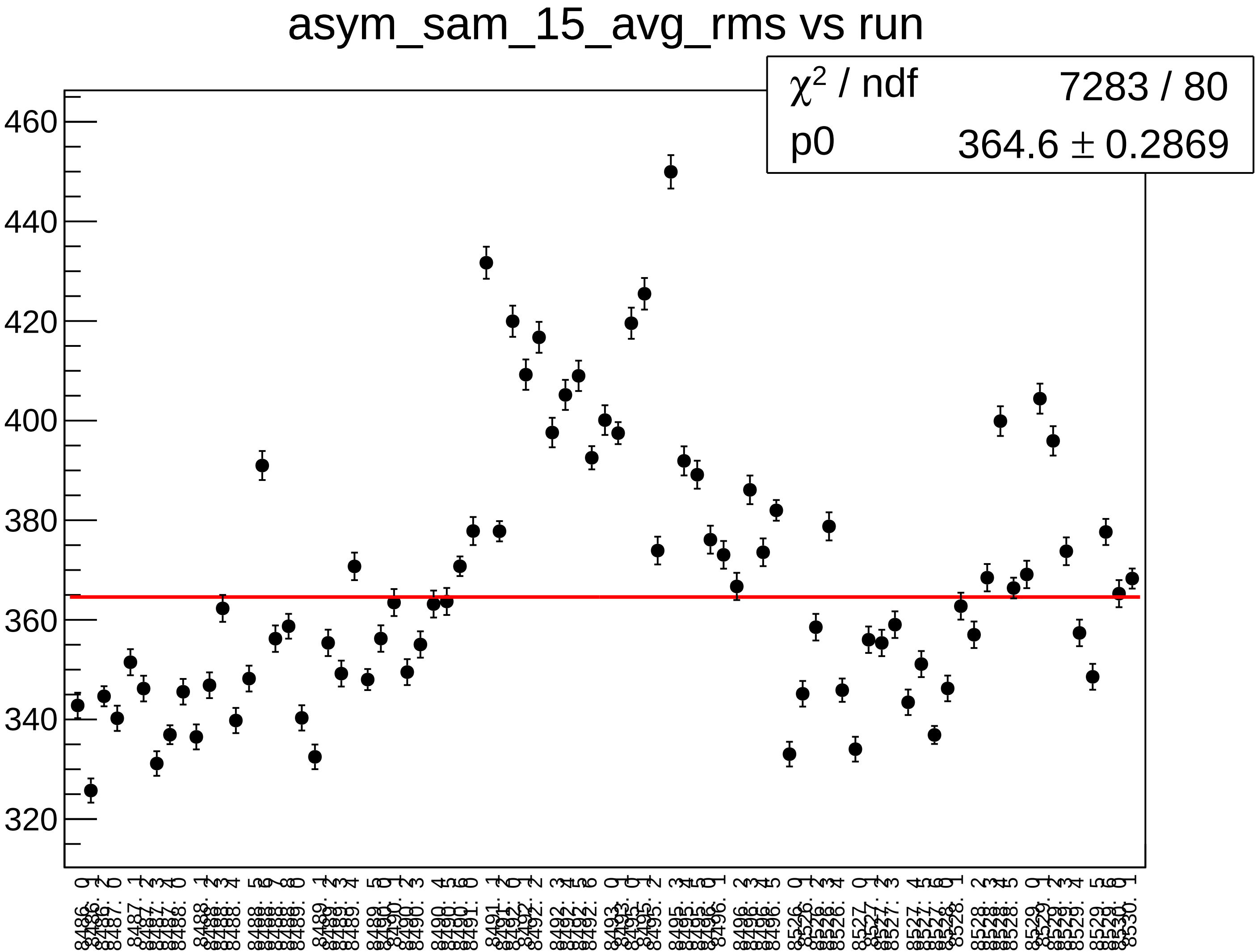


asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 68.88 / 80
p0 −1447 ± 400.5
pull
Entries 81
Mean −61.97
Std Dev 122.7
pull1D
Entries 81
Mean −0.01939
Std Dev 0.9219

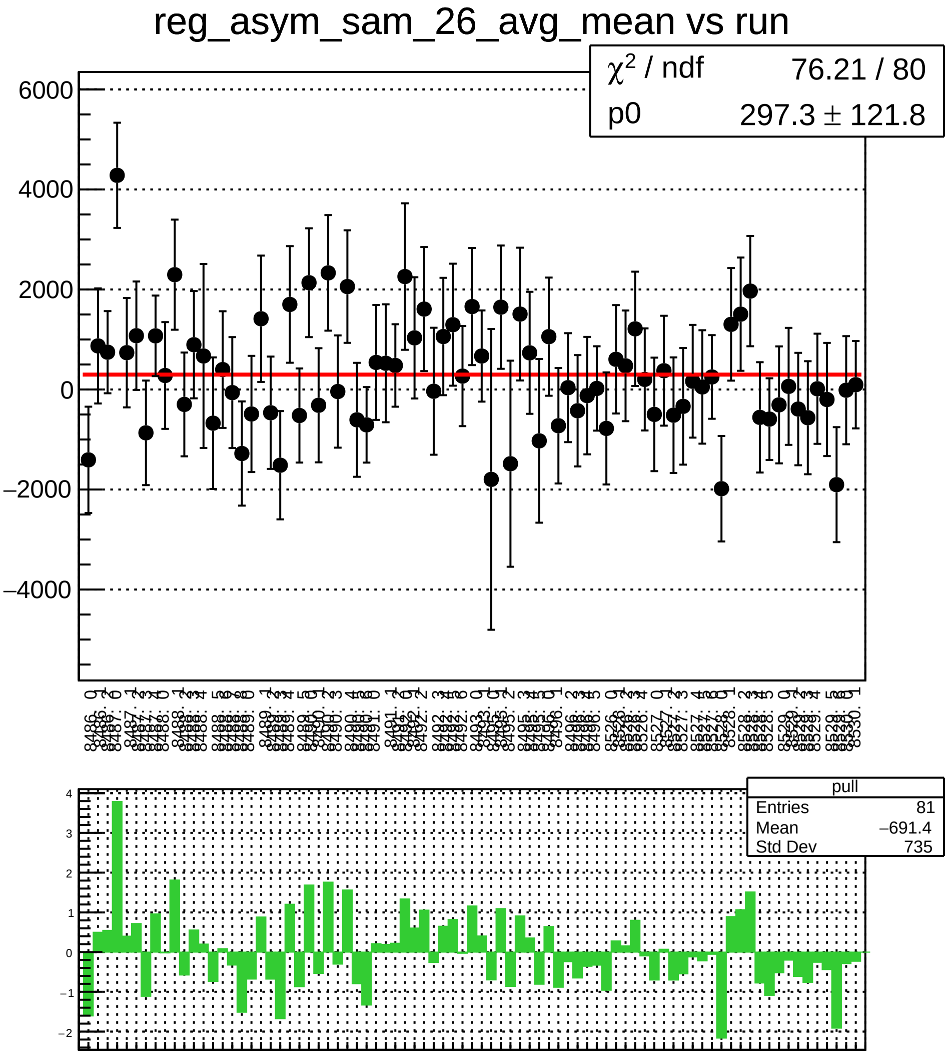

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 7564 / 80
p0 359.8 ± 0.2832
460
440
420
400
380
360
340
320

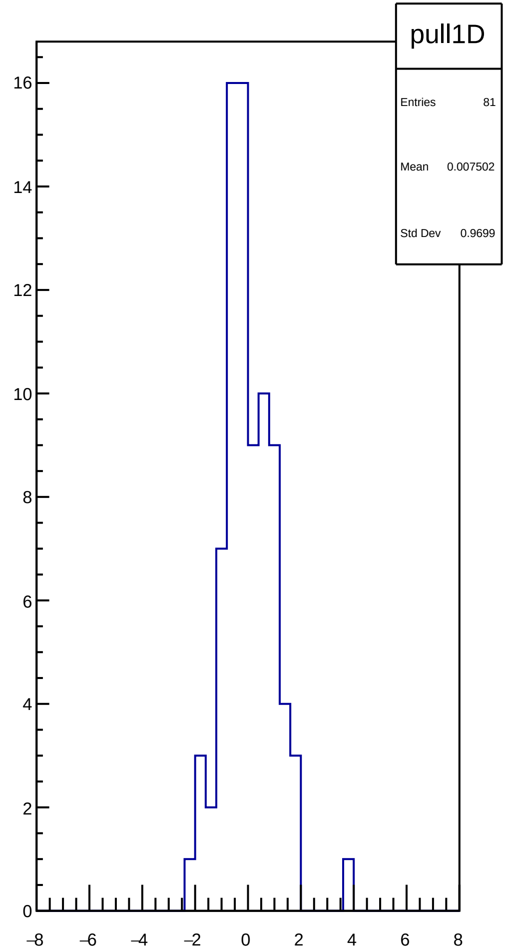


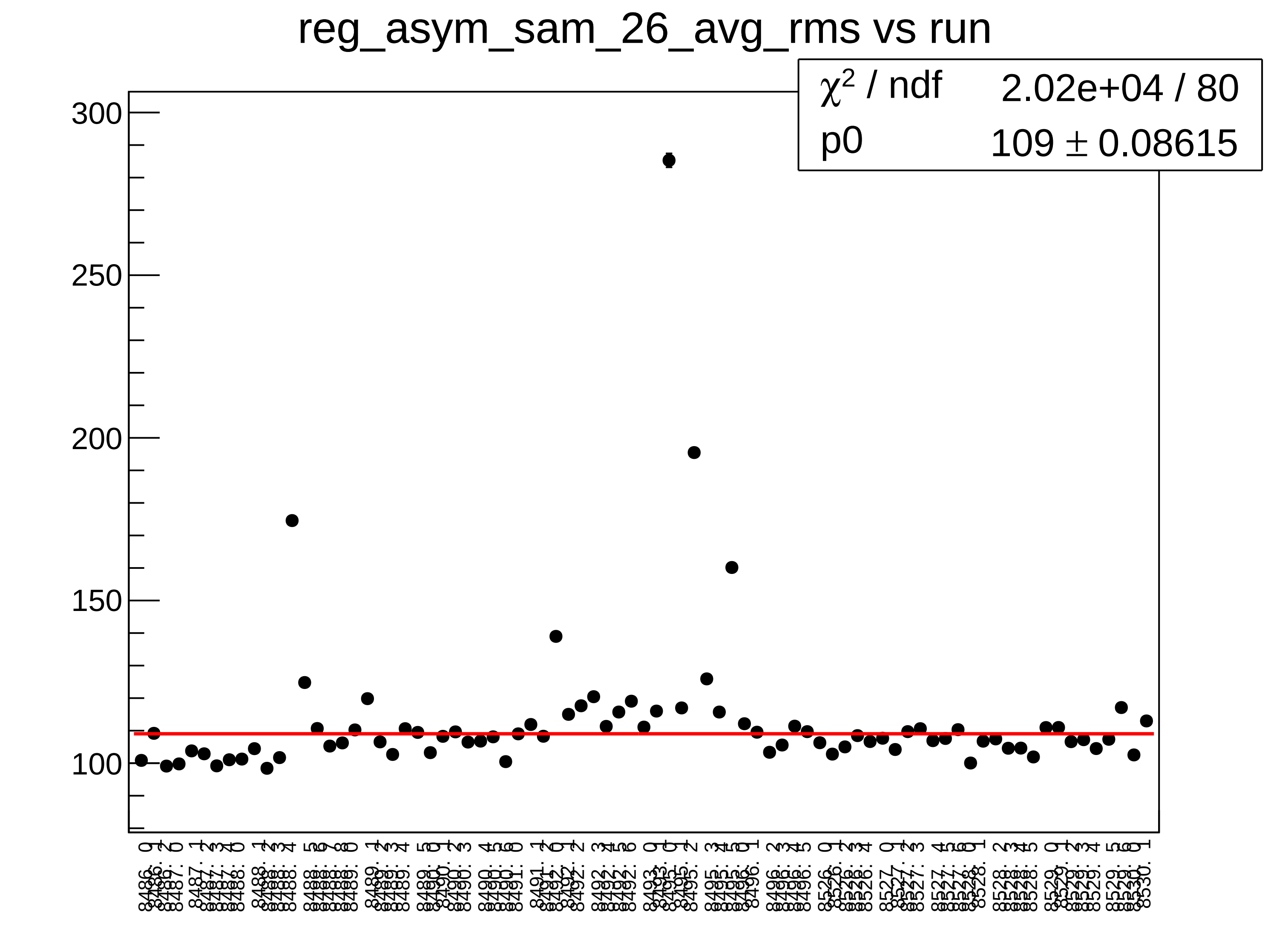
asym_sam_15_avg_mean vs run
χ^2 / ndf 68.14 / 80
p0 1520 ± 405.8
pull
Entries 81
Mean −128.5
Std Dev 181.9
pull1D
Entries 81
Mean 0.01819
Std Dev 0.917

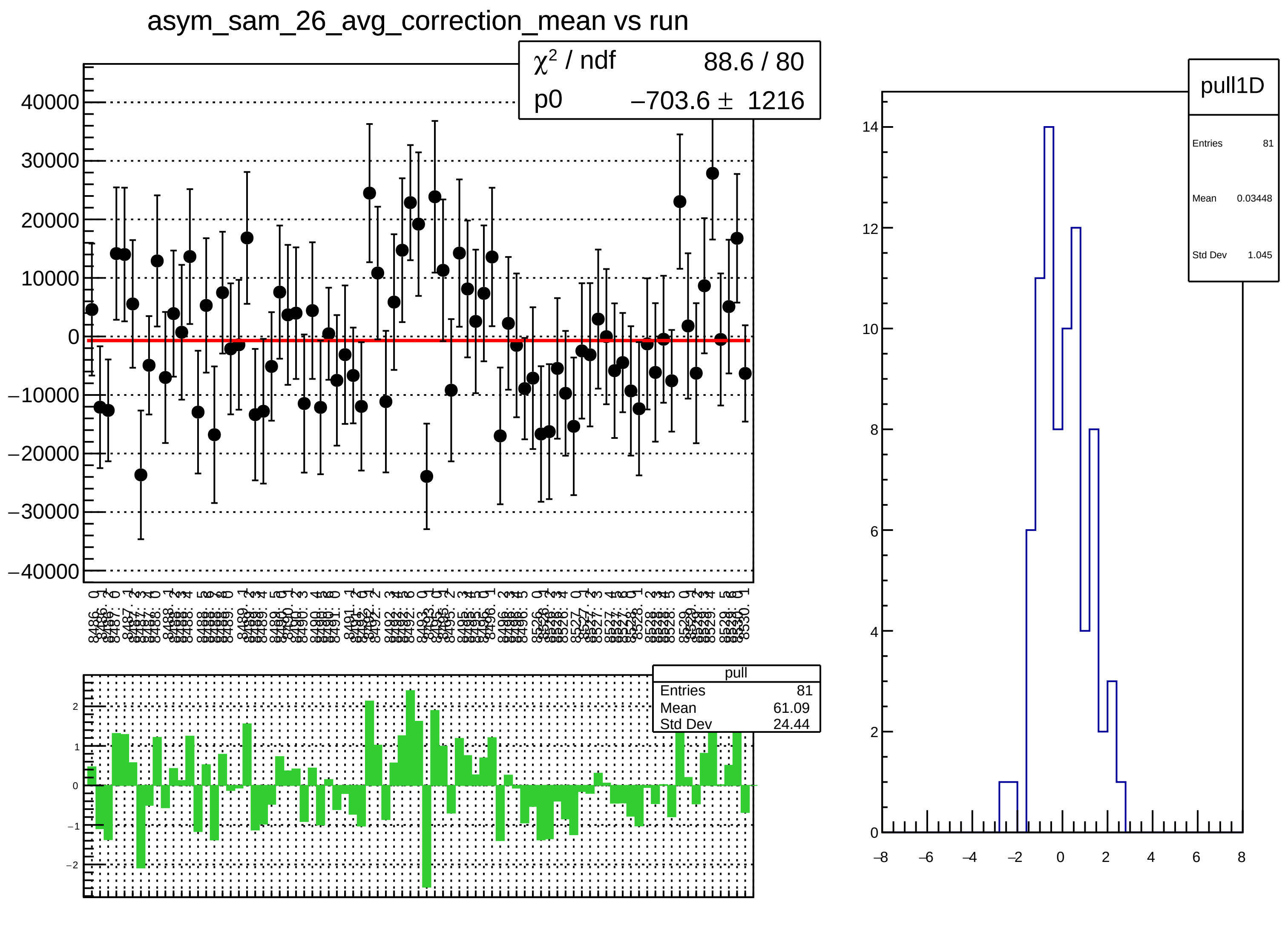


asym_sam_15_avg_rms vs run
χ2 / ndf 7283 / 80
p0 364.6 ± 0.2869
460
440
420
400
380
360
340
320

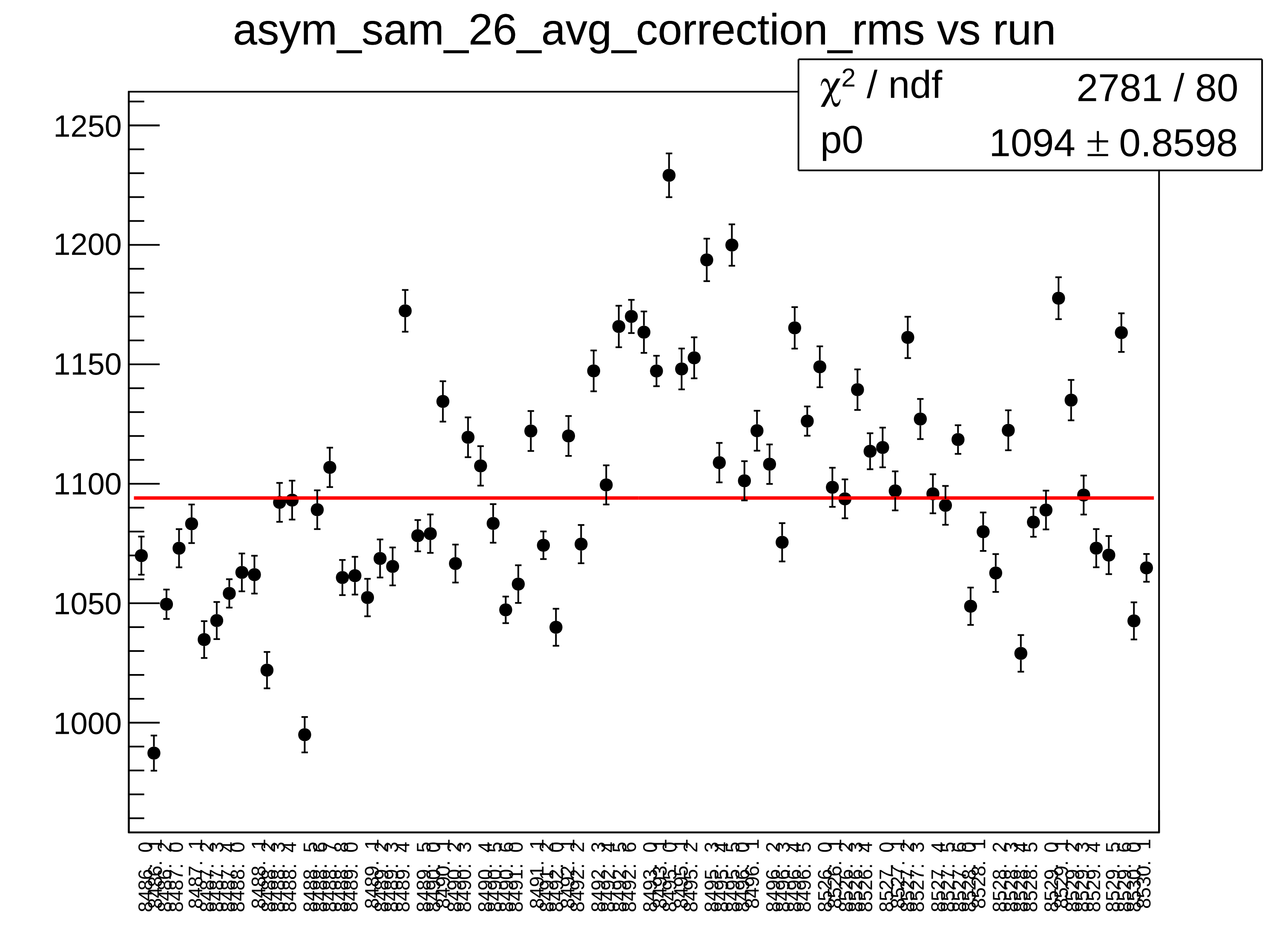

reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 76.21 / 80
p0 297.3 ± 121.8
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −691.4
Std Dev 735
4
3
2
1
0
−1
−2

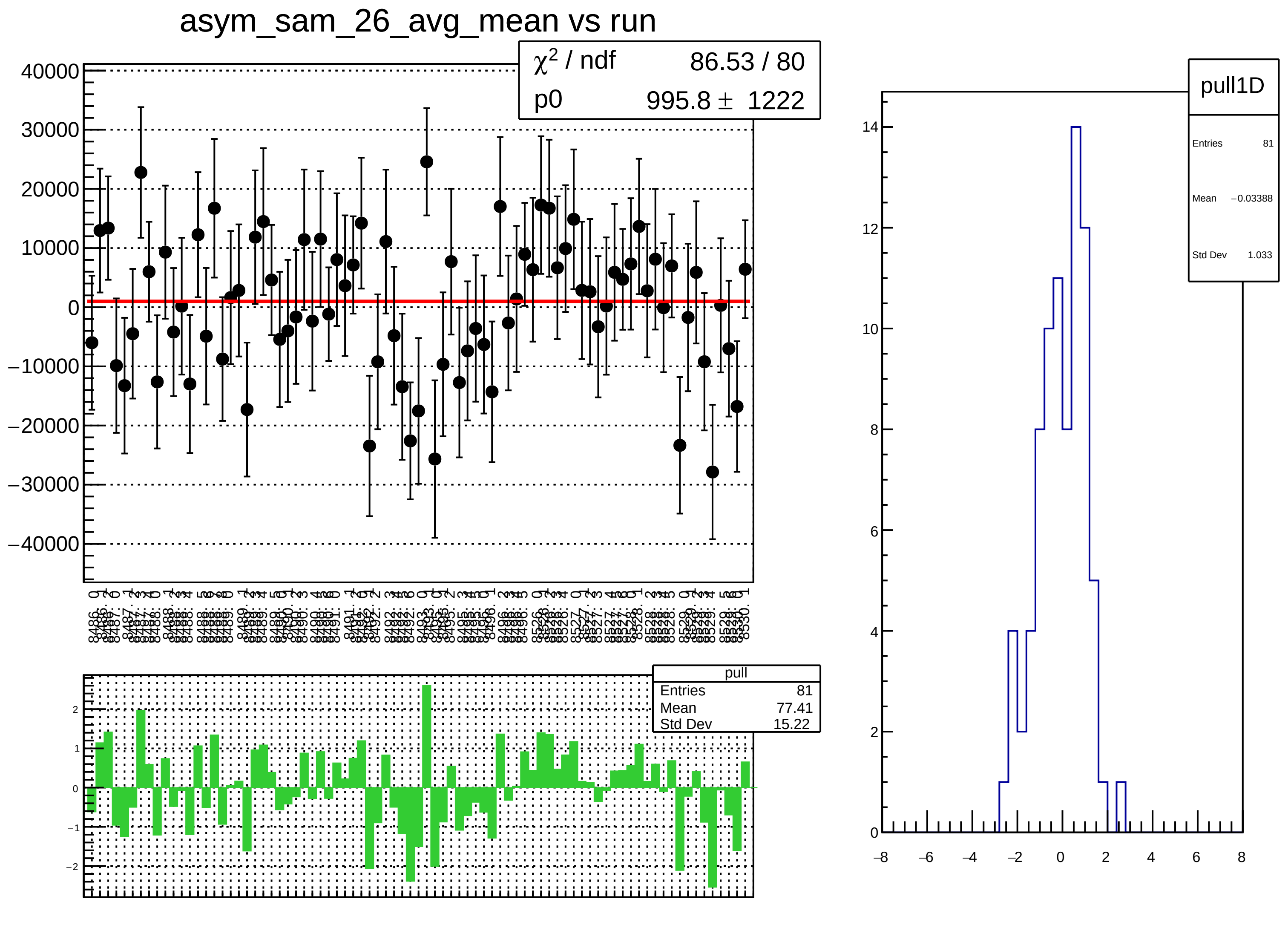

pull1D
Entries 81
Mean 0.007502
Std Dev 0.9699
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_avg_rms vs run
χ2 / ndf 2.02e+04 / 80
p0 109 ± 0.08615
300
250
200
150
100

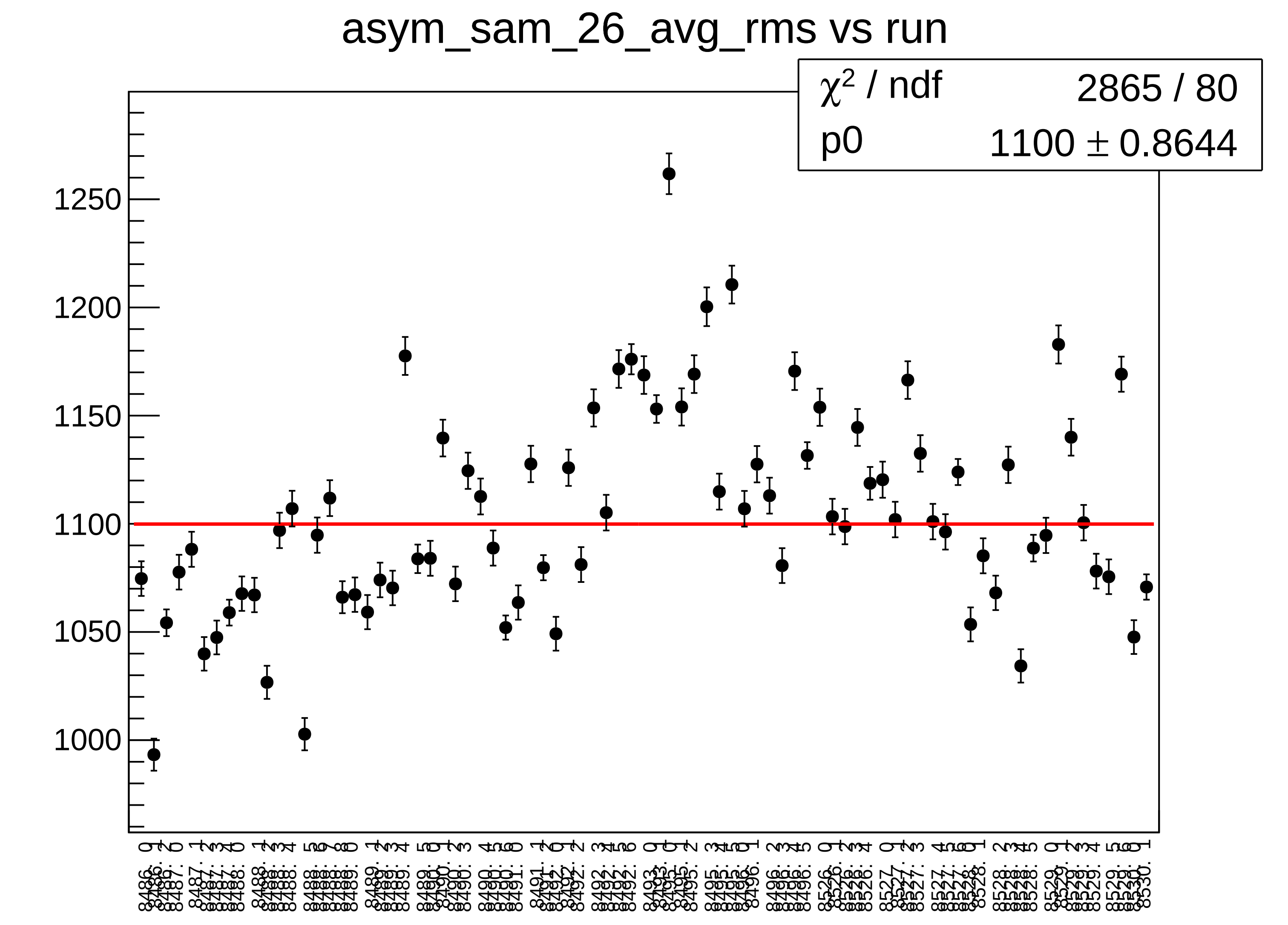


asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 88.6 / 80
p0 −703.6 ± 1216
pull
Entries 81
Mean 61.09
Std Dev 24.44
pull1D
Entries 81
Mean 0.03448
Std Dev 1.045

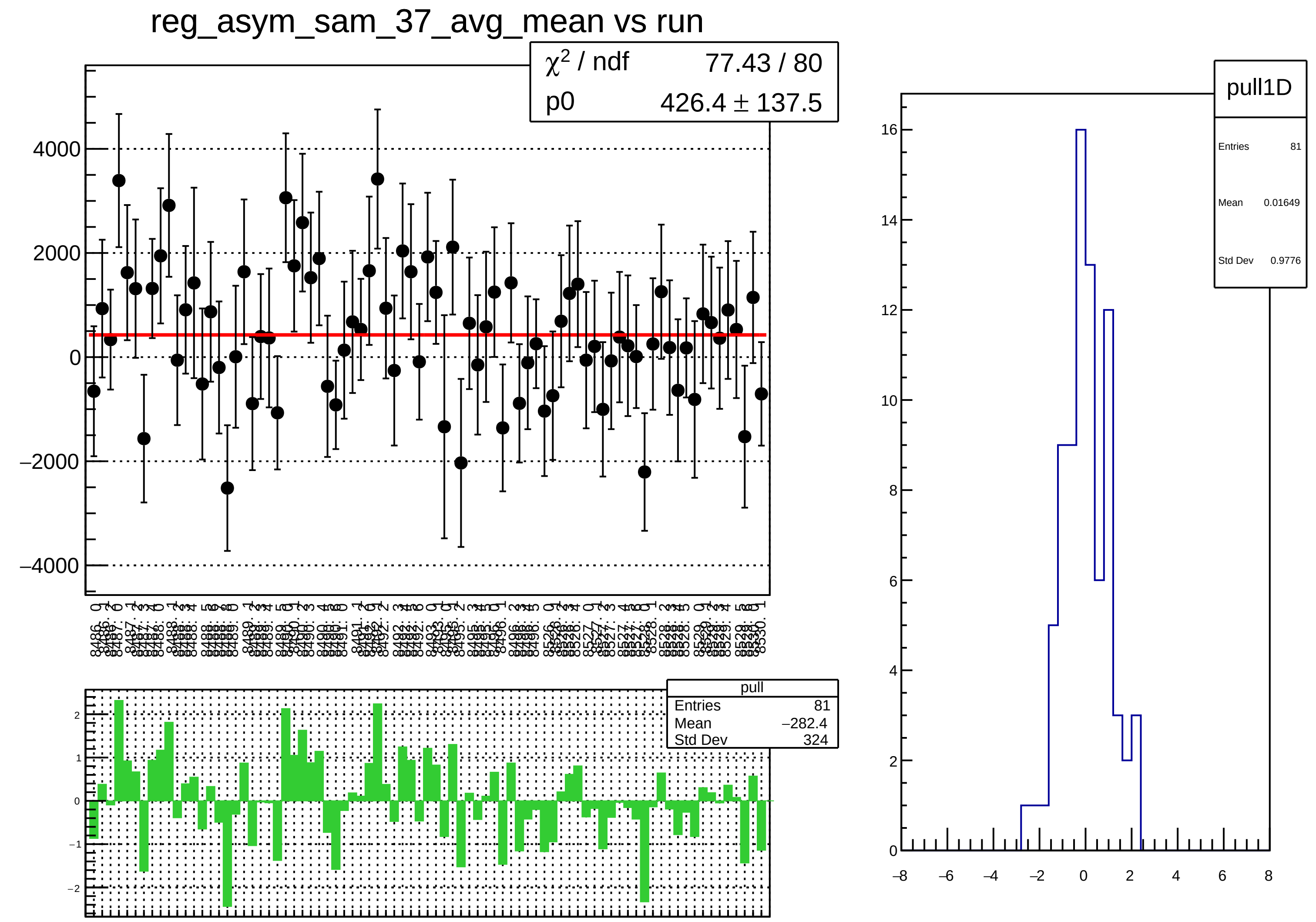

asym_sam_26_avg_correction_rms vs run
χ2 / ndf 2781 / 80
p0 1094 ± 0.8598
1250
1200
1150
1100
1050
1000



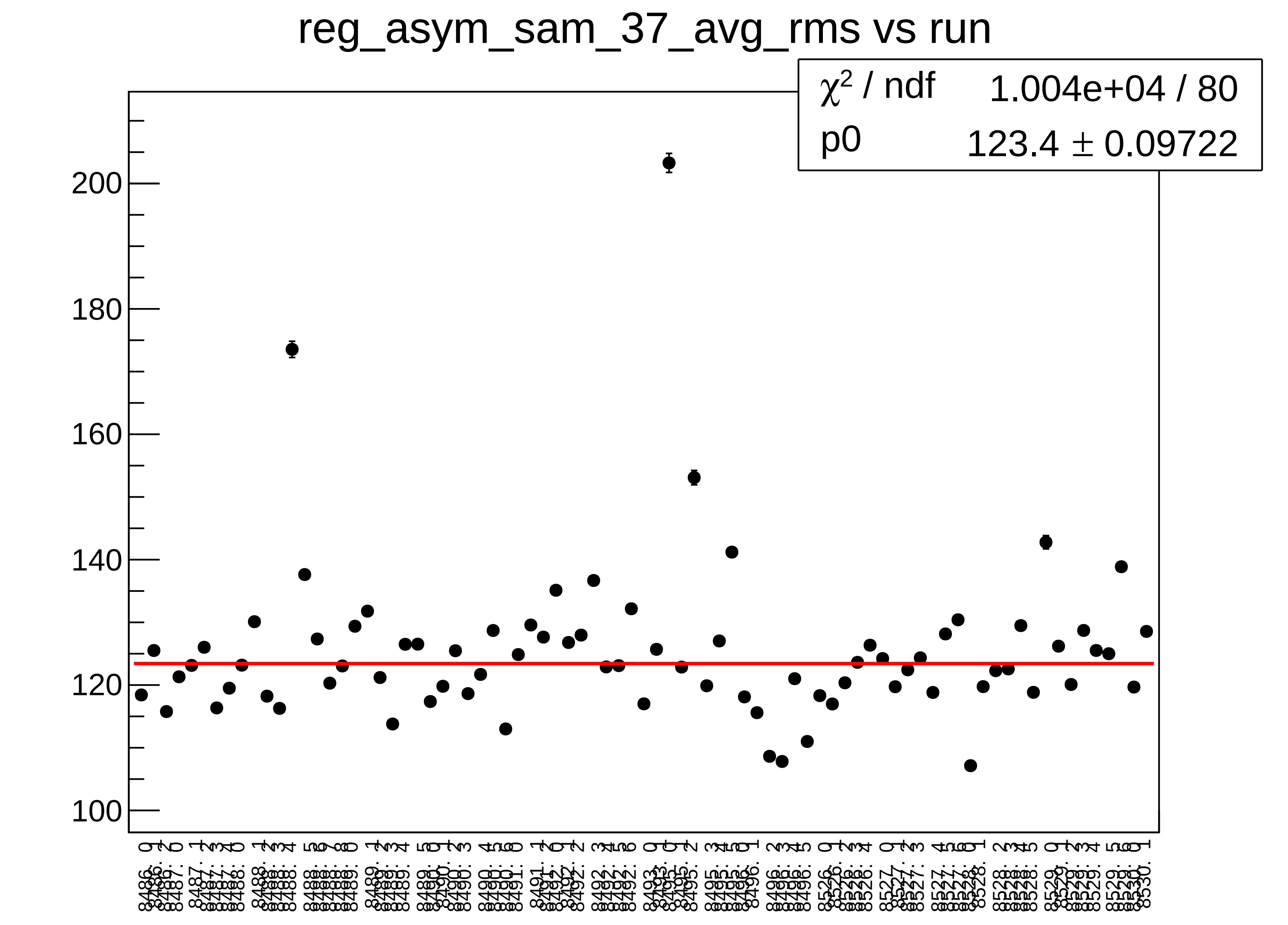
asym_sam_26_avg_mean vs run
χ^2 / ndf 86.53 / 80
p0 995.8 ± 1222
pull
Entries 81
Mean 77.41
Std Dev 15.22
pull1D
Entries 81
Mean −0.03388
Std Dev 1.033



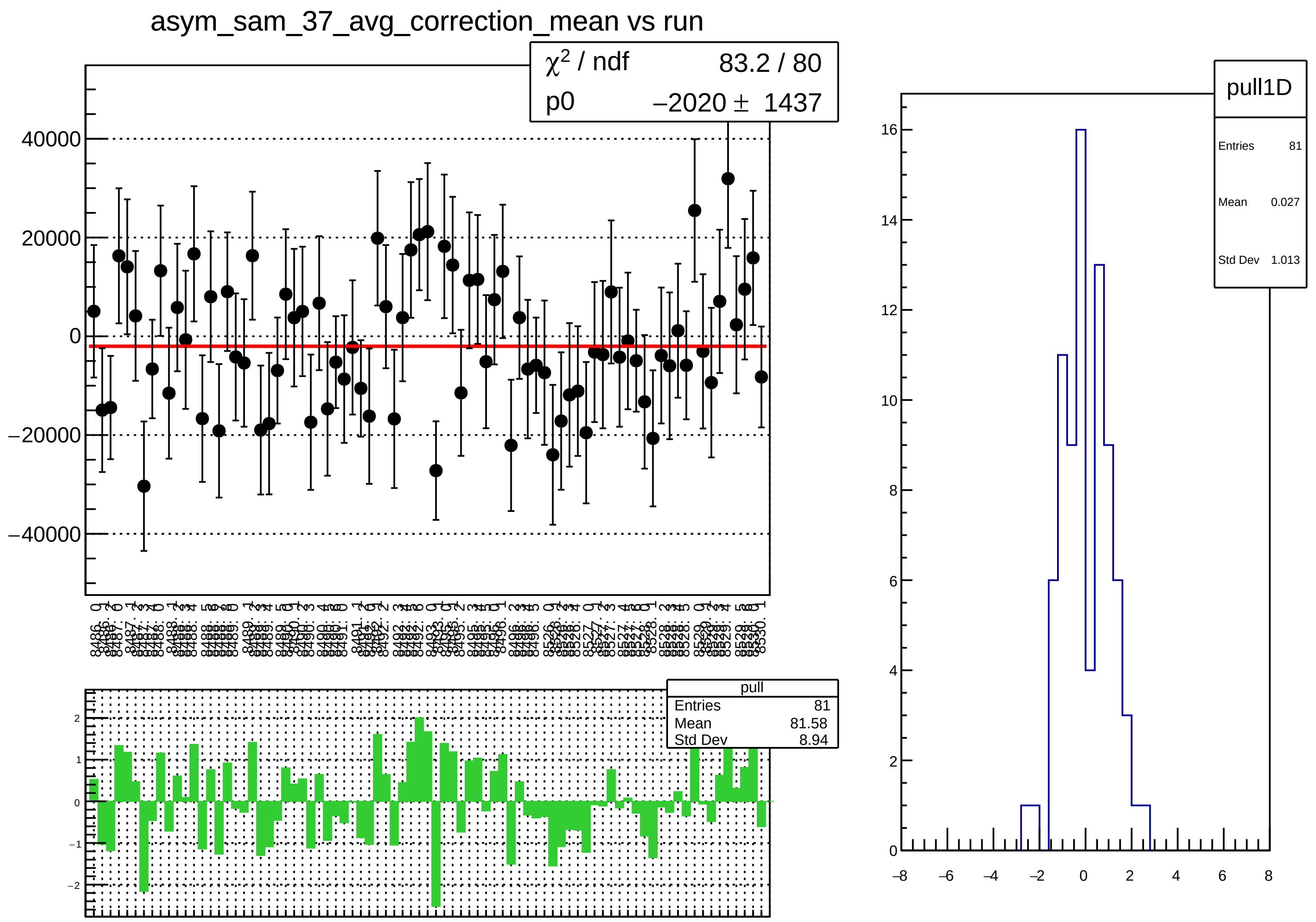
asym_sam_26_avg_rms vs run
χ^2 / ndf 2865 / 80
p0 1100 ± 0.8644
1250
1200
1150
1100
1050
1000



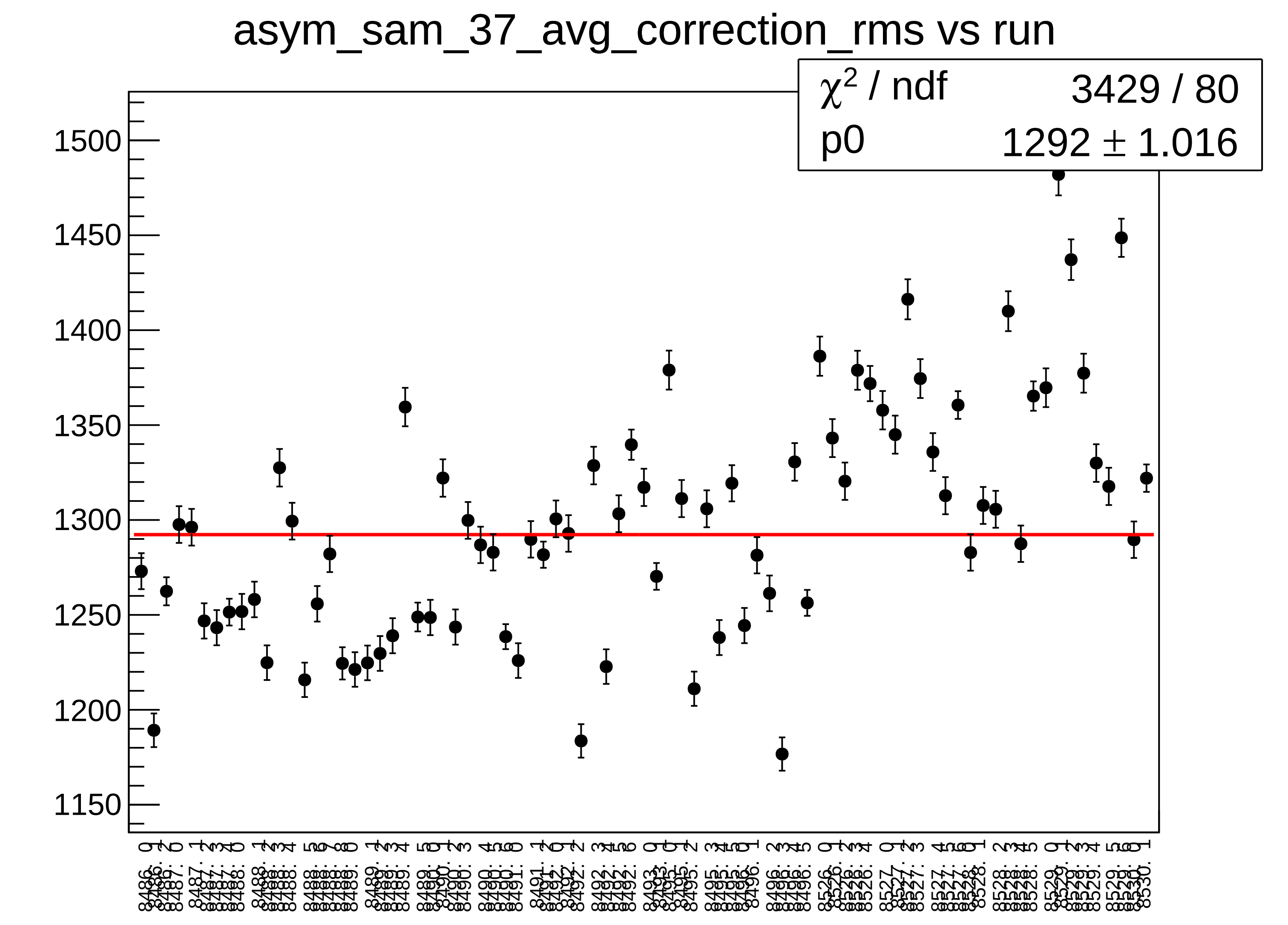
reg_asym_sam_37_avg_mean vs run
χ2 / ndf 77.43 / 80
p0 426.4 ± 137.5
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −282.4
Std Dev 324
pull1D
Entries 81
Mean 0.01649
Std Dev 0.9776



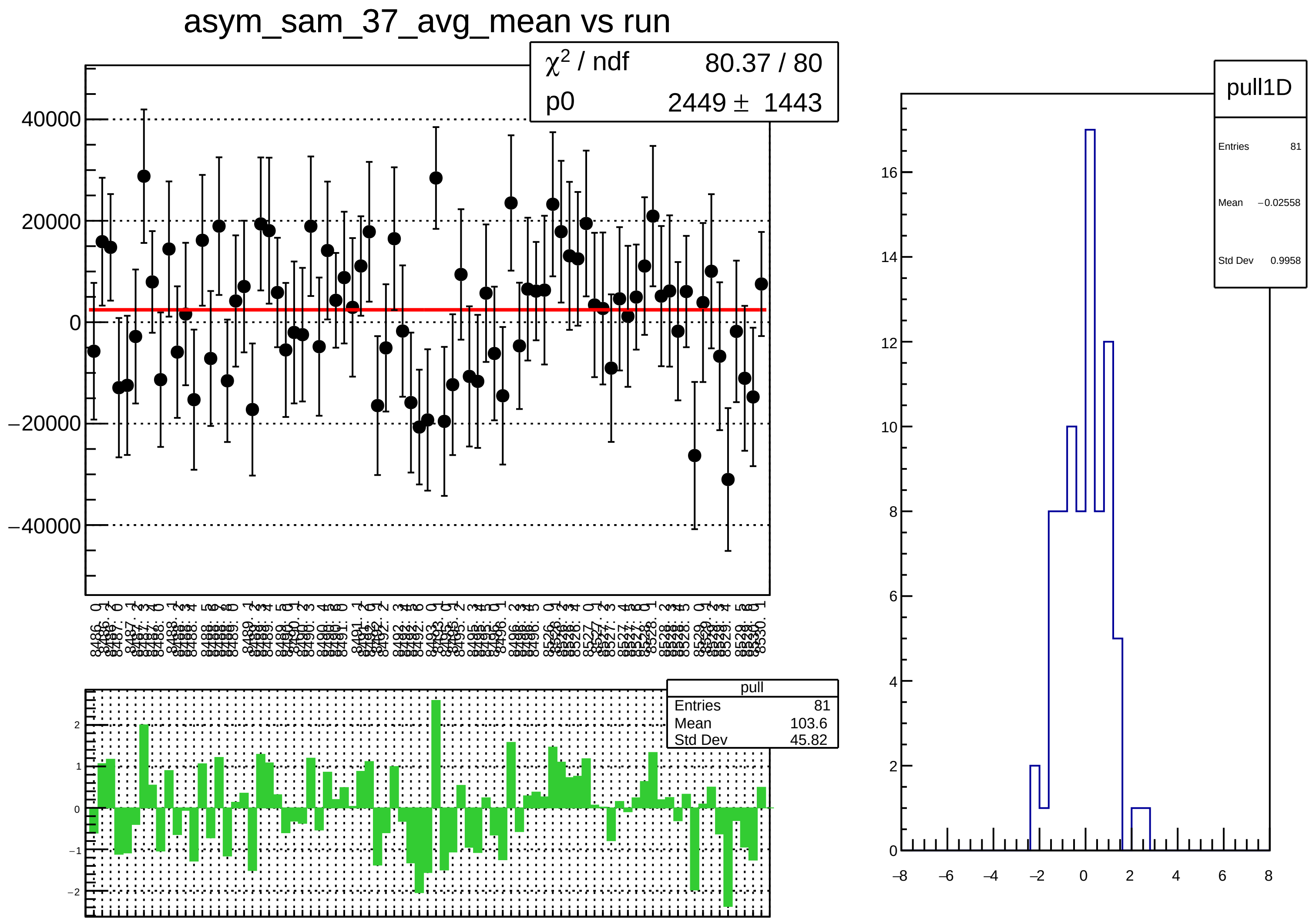
reg_asym_sam_37_avg_rms vs run
χ2 / ndf 1.004e+04 / 80
p0 123.4 ± 0.09722
200
180
160
140
120
100



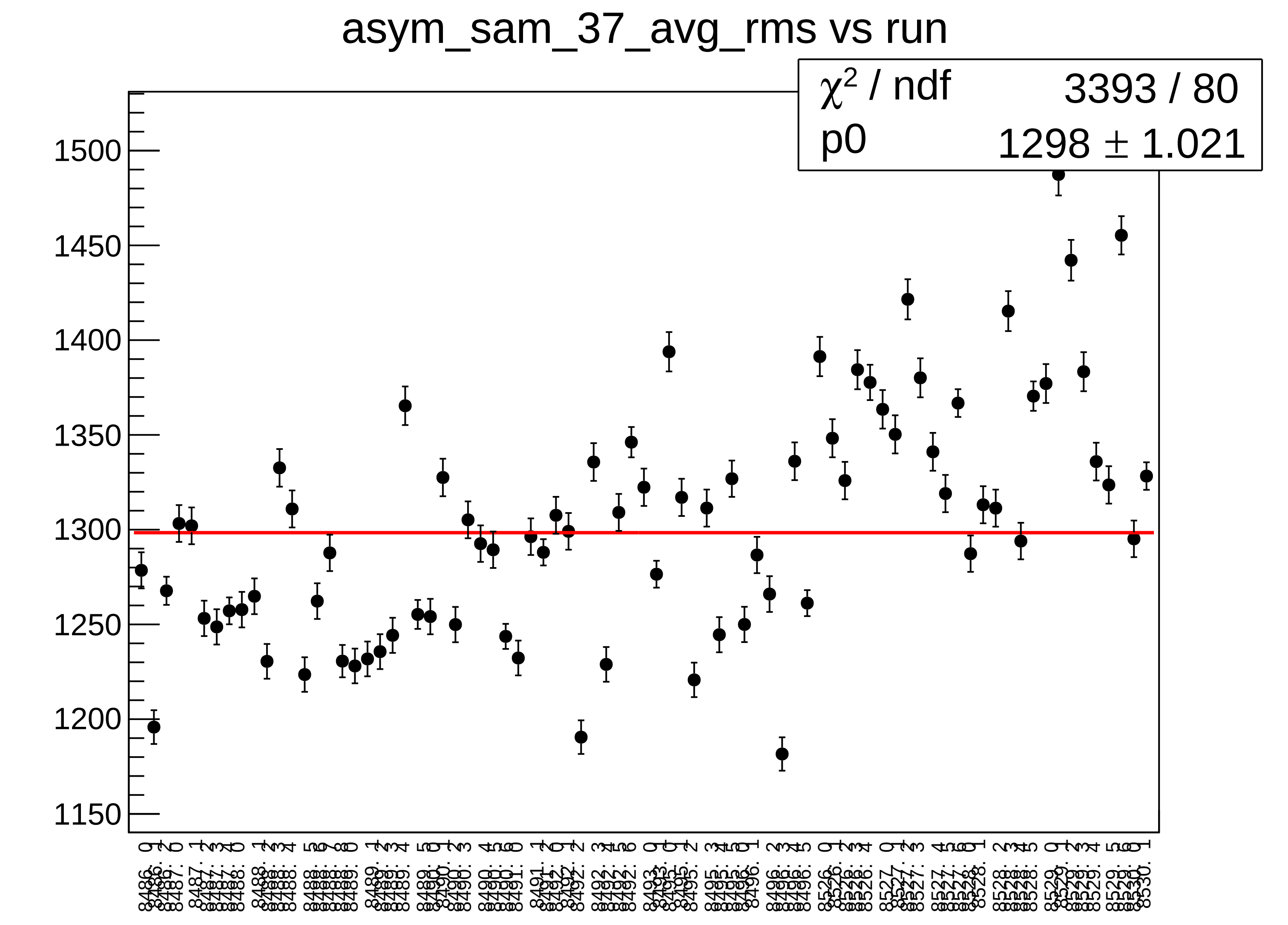
asym_sam_37_avg_correction_mean vs run
χ2 / ndf 83.2 / 80
p0 −2020 ± 1437
pull
Entries 81
Mean 81.58
Std Dev 8.94
pull1D
Entries 81
Mean 0.027
Std Dev 1.013



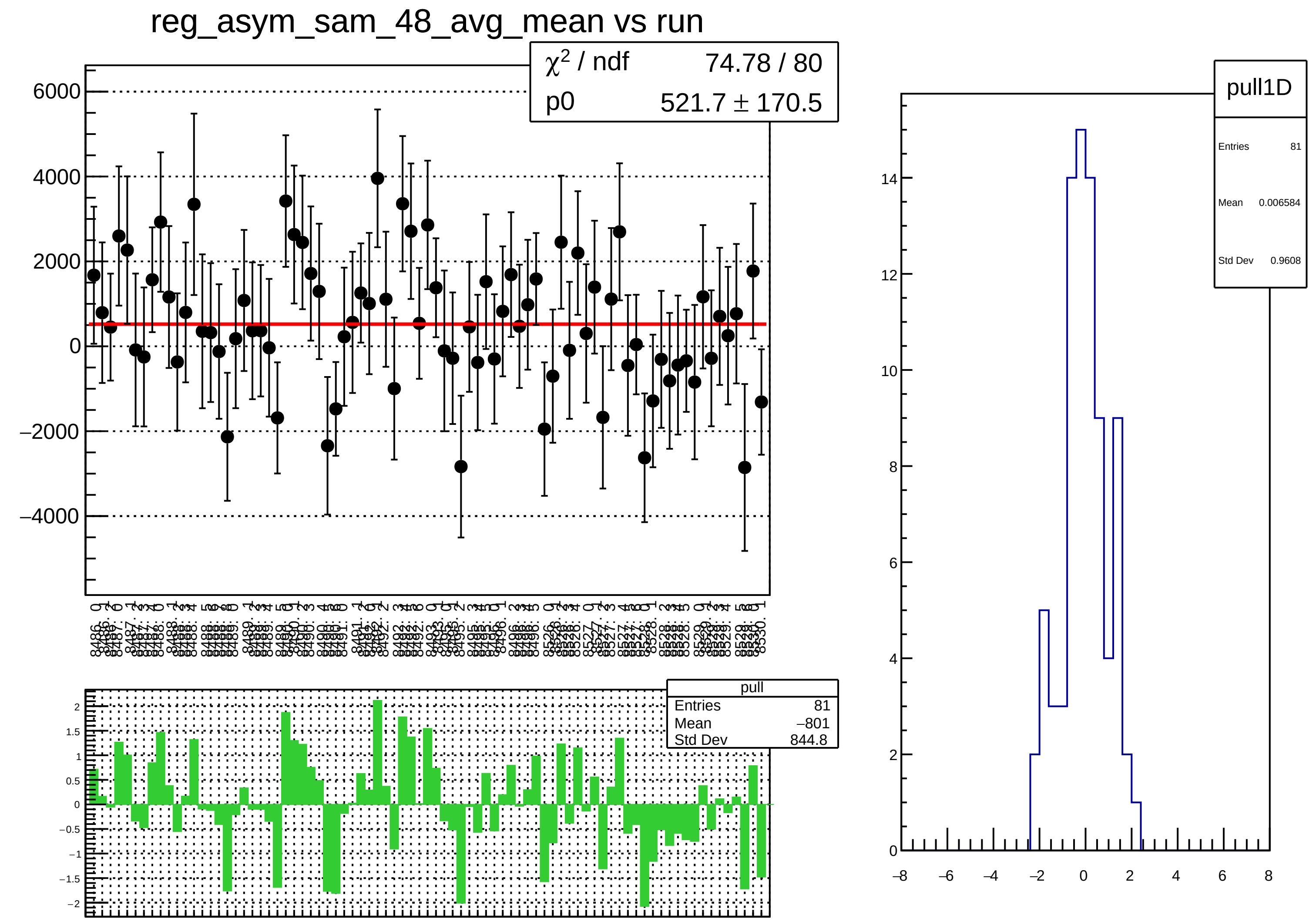
asym_sam_37_avg_correction_rms vs run
χ2 / ndf 3429 / 80
p0 1292 ± 1.016
1500
1450
1400
1350
1300
1250
1200
1150



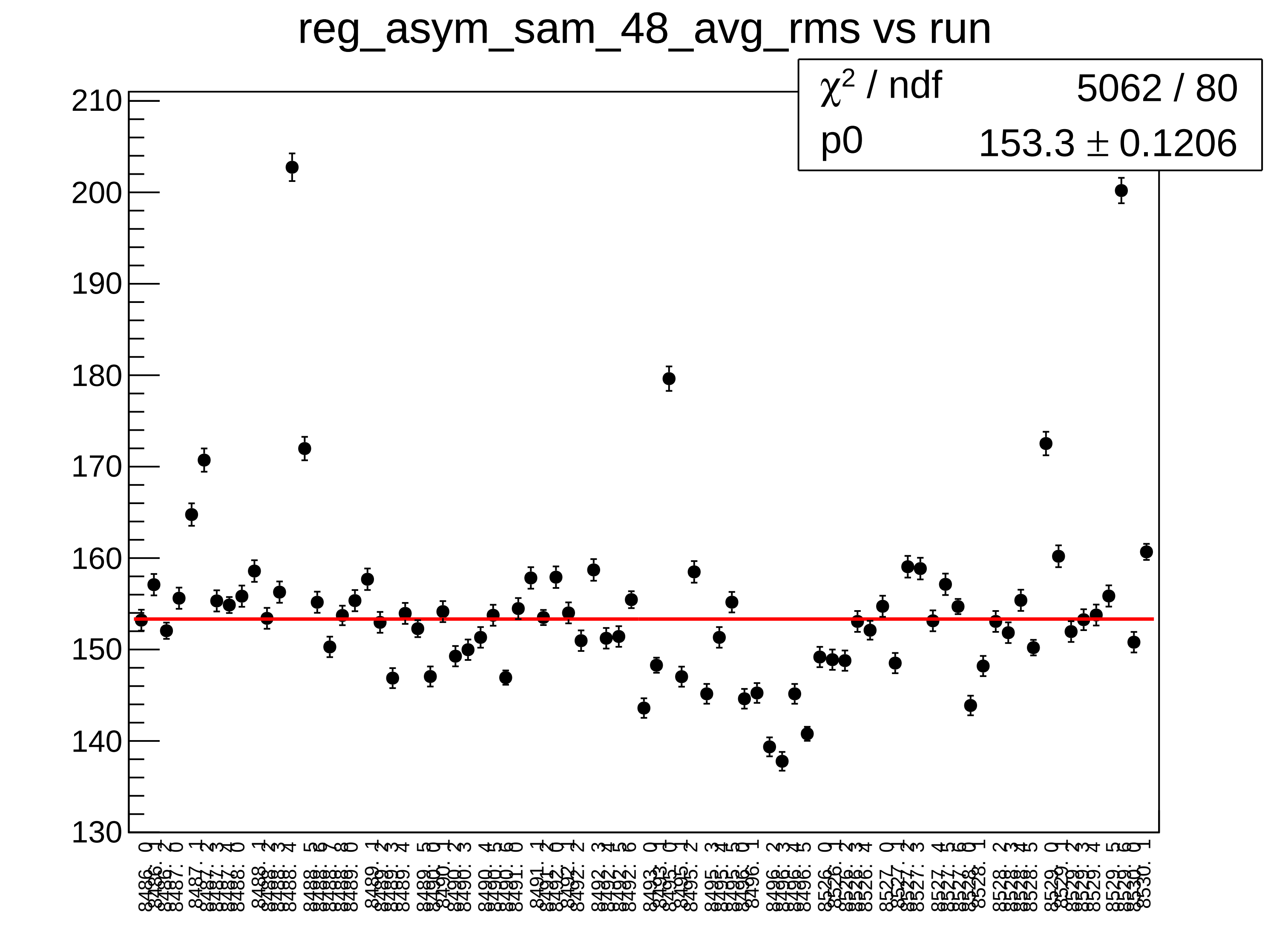
asym_sam_37_avg_mean vs run
χ2 / ndf 80.37 / 80
p0 2449 ± 1443
pull
Entries 81
Mean 103.6
Std Dev 45.82
pull1D
Entries 81
Mean −0.02558
Std Dev 0.9958



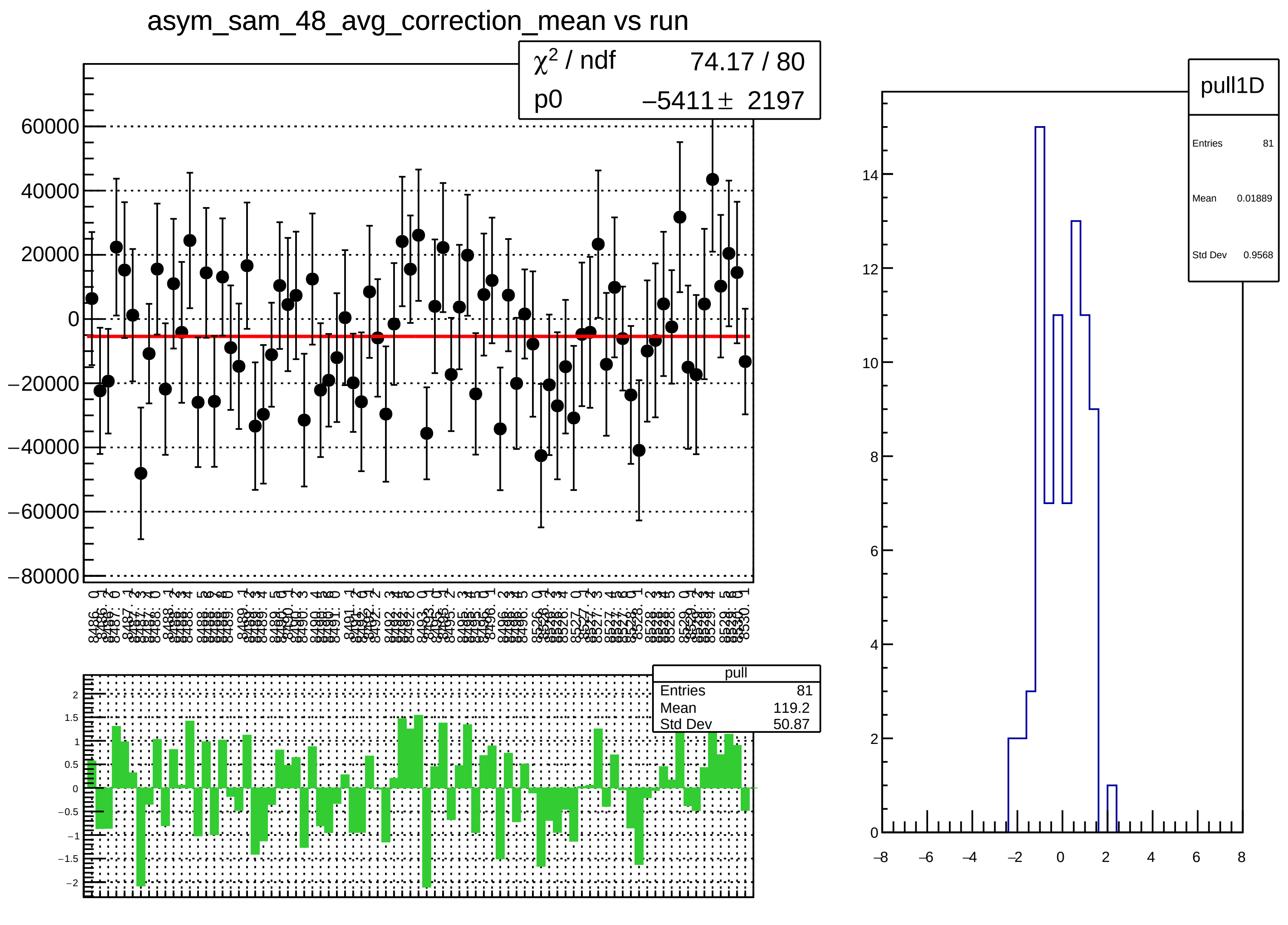
asym_sam_37_avg_rms vs run
χ^2 / ndf 3393 / 80
p0 1298 ± 1.021



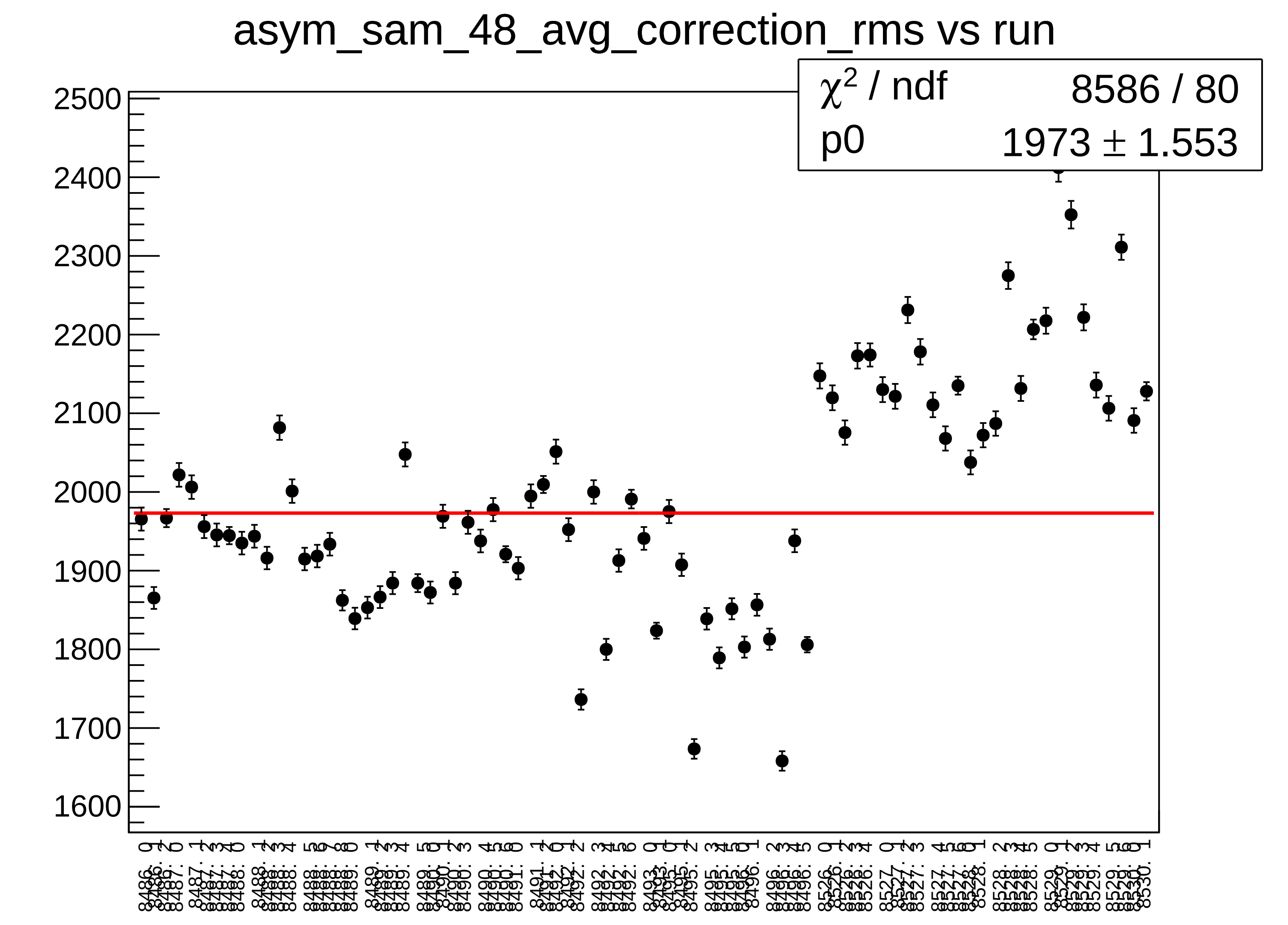
reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 74.78 / 80
p0 521.7 ± 170.5
pull
Entries 81
Mean −801
Std Dev 844.8
pull1D
Entries 81
Mean 0.006584
Std Dev 0.9608

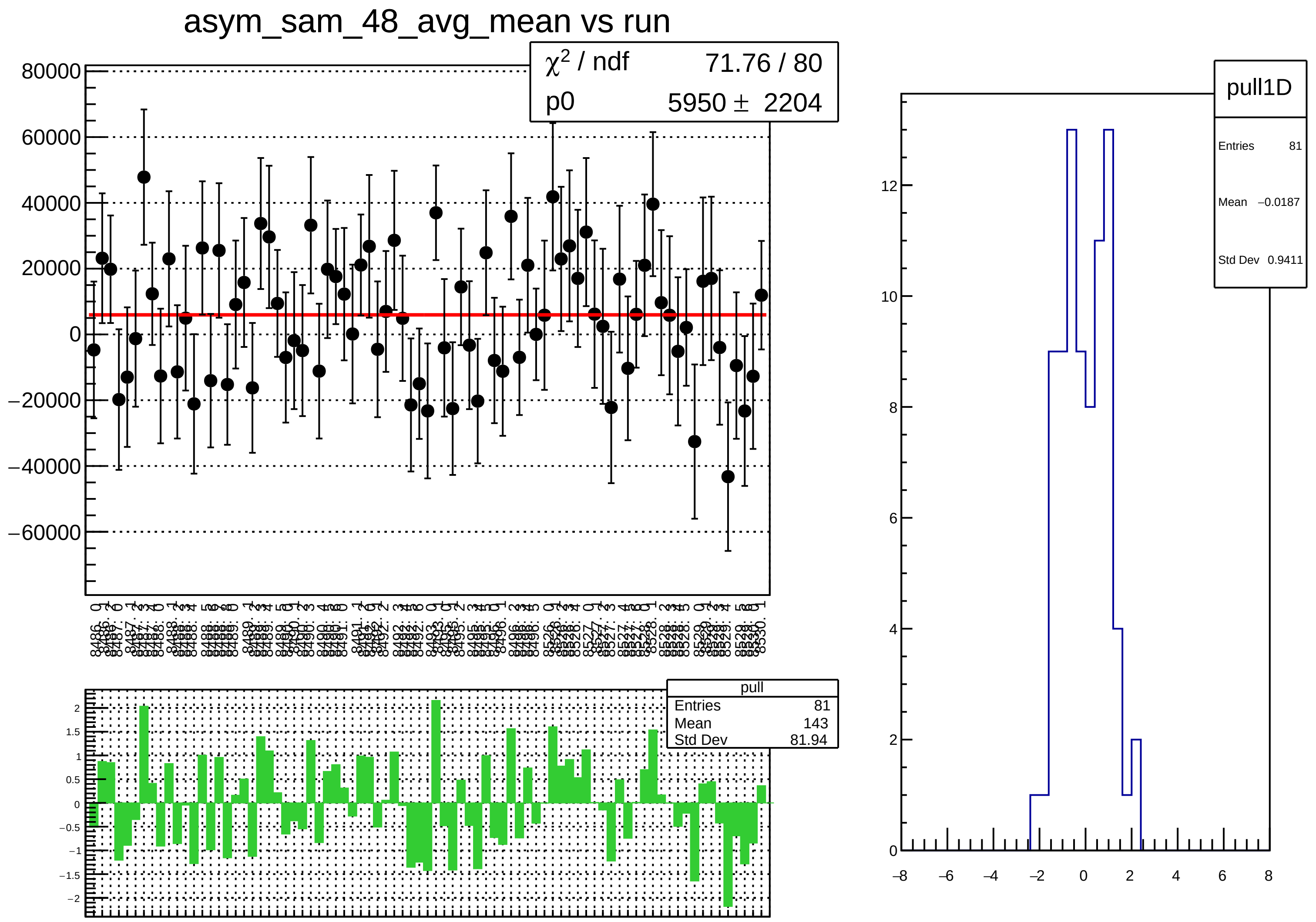


reg_asym_sam_48_avg_rms vs run
χ² / ndf 5062 / 80
p0 153.3 ± 0.1206

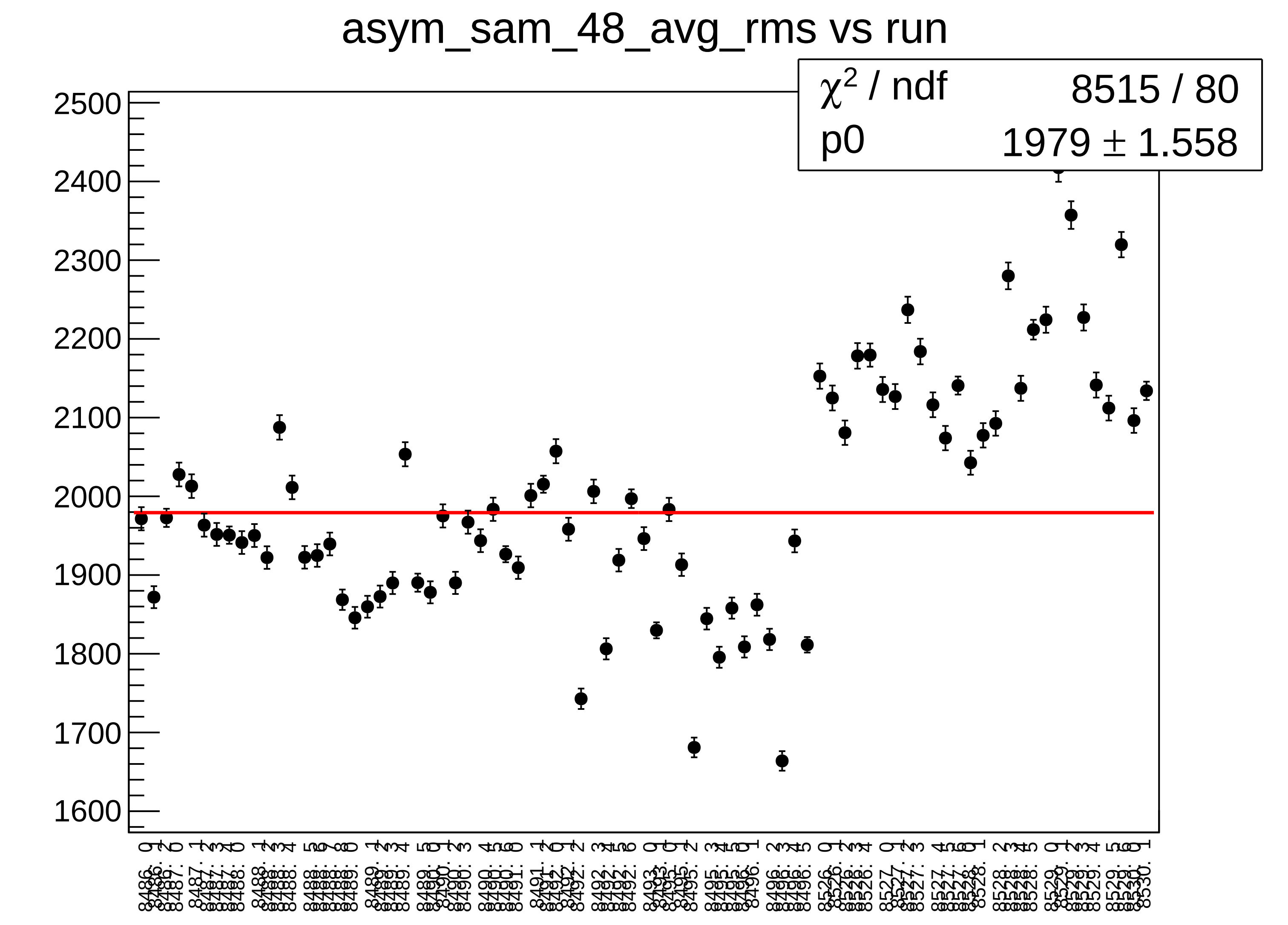


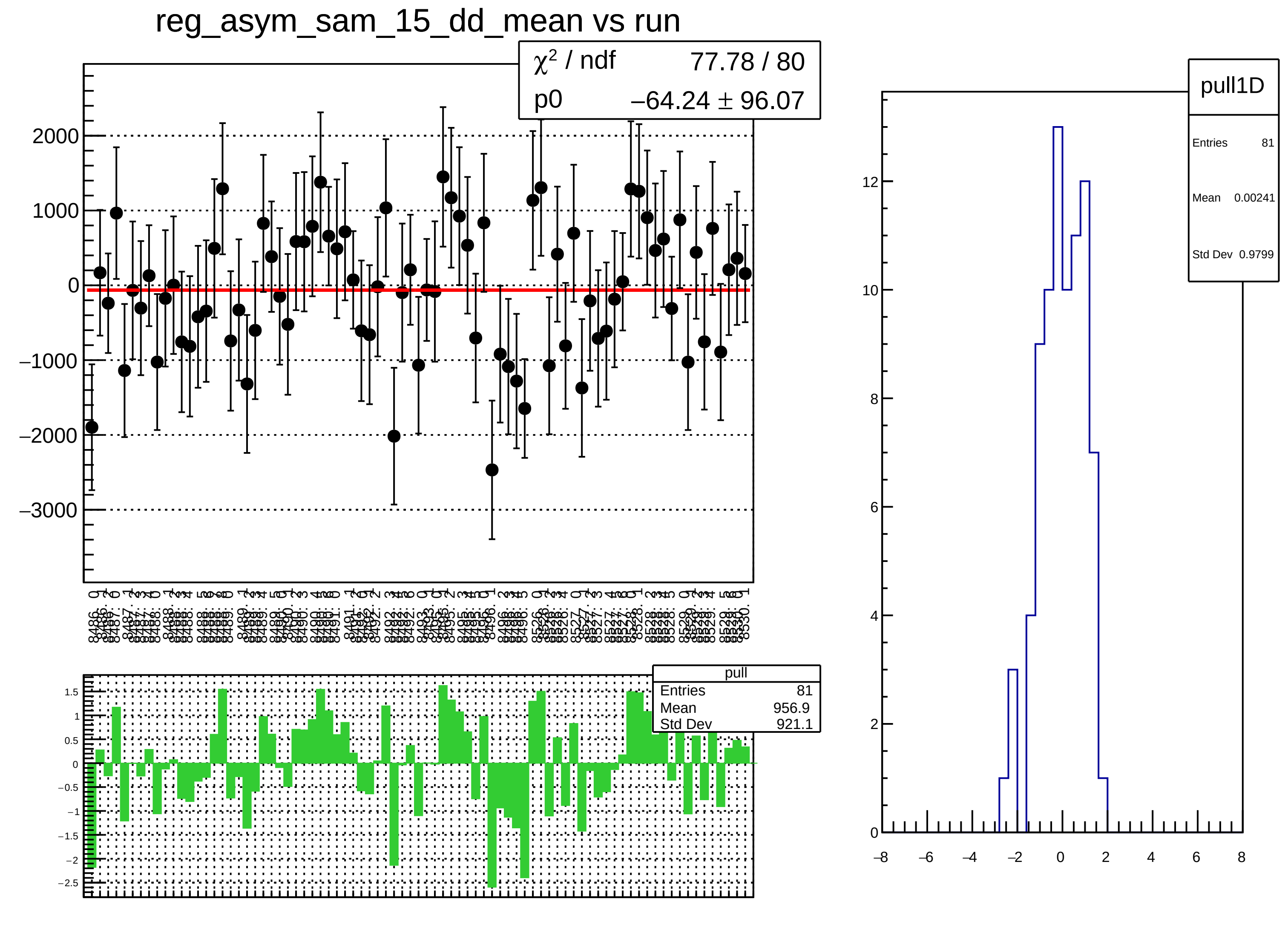
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 74.17 / 80
p0 −5411 ± 2197
pull
Entries 81
Mean 119.2
Std Dev 50.87
pull1D
Entries 81
Mean 0.01889
Std Dev 0.9568


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 8586 / 80
p0 1973 ± 1.553

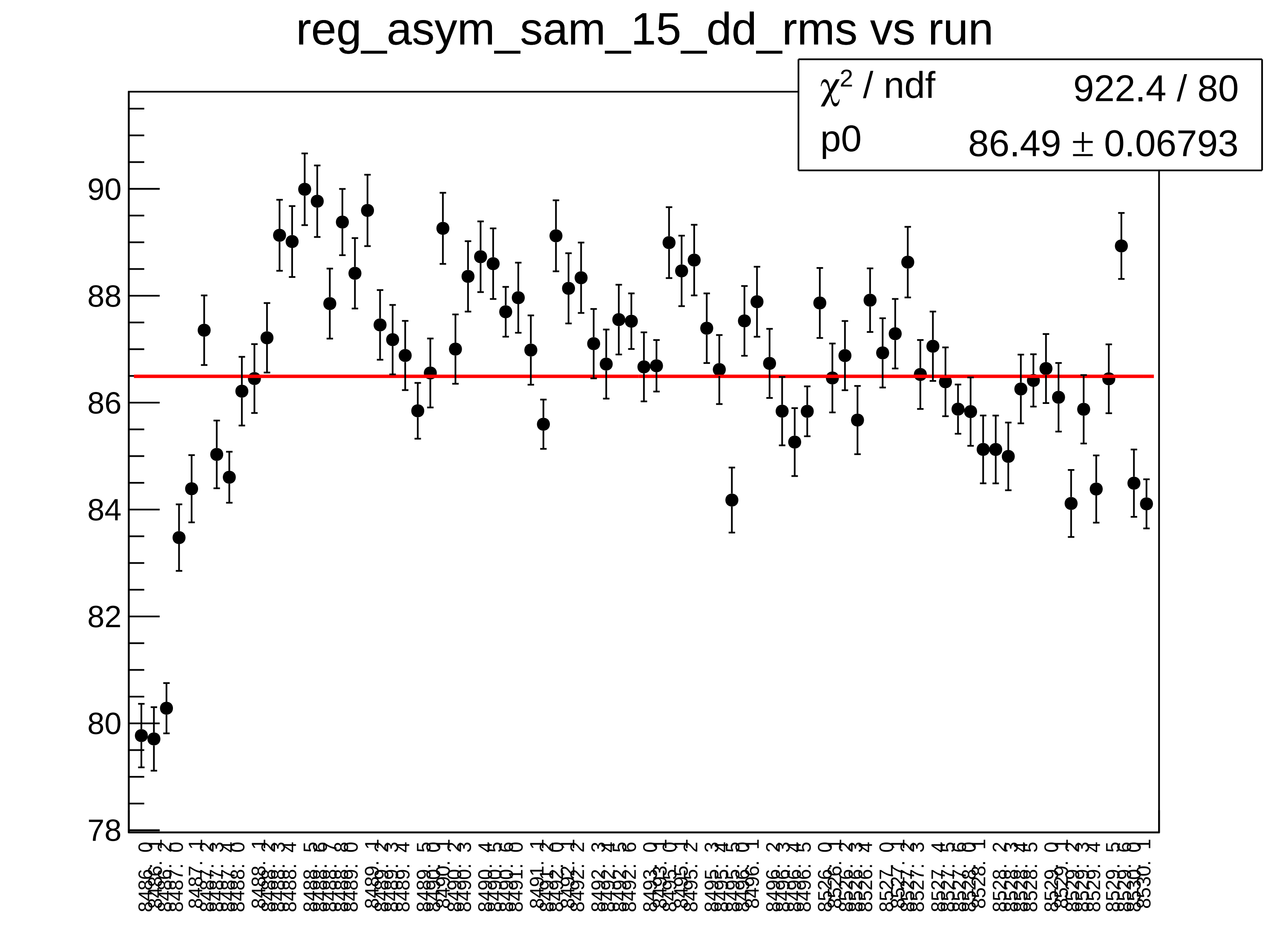


asym_sam_48_avg_mean vs run
χ^2 / ndf 71.76 / 80
p0 5950 ± 2204
pull
Entries 81
Mean 143
Std Dev 81.94
pull1D
Entries 81
Mean −0.0187
Std Dev 0.9411

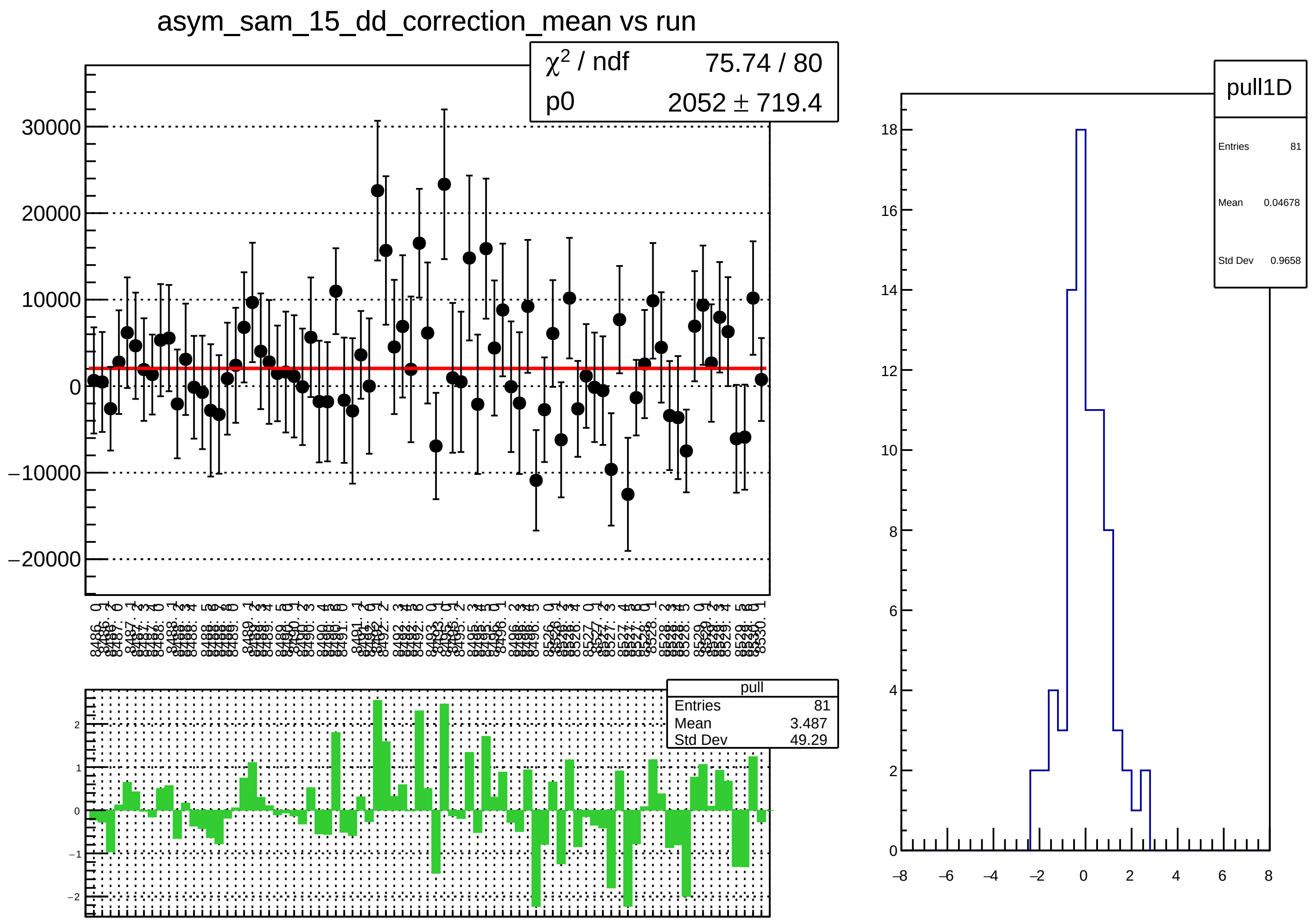

asym_sam_48_avg_rms vs run
χ^2 / ndf 8515 / 80
p0 1979 ± 1.558
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600



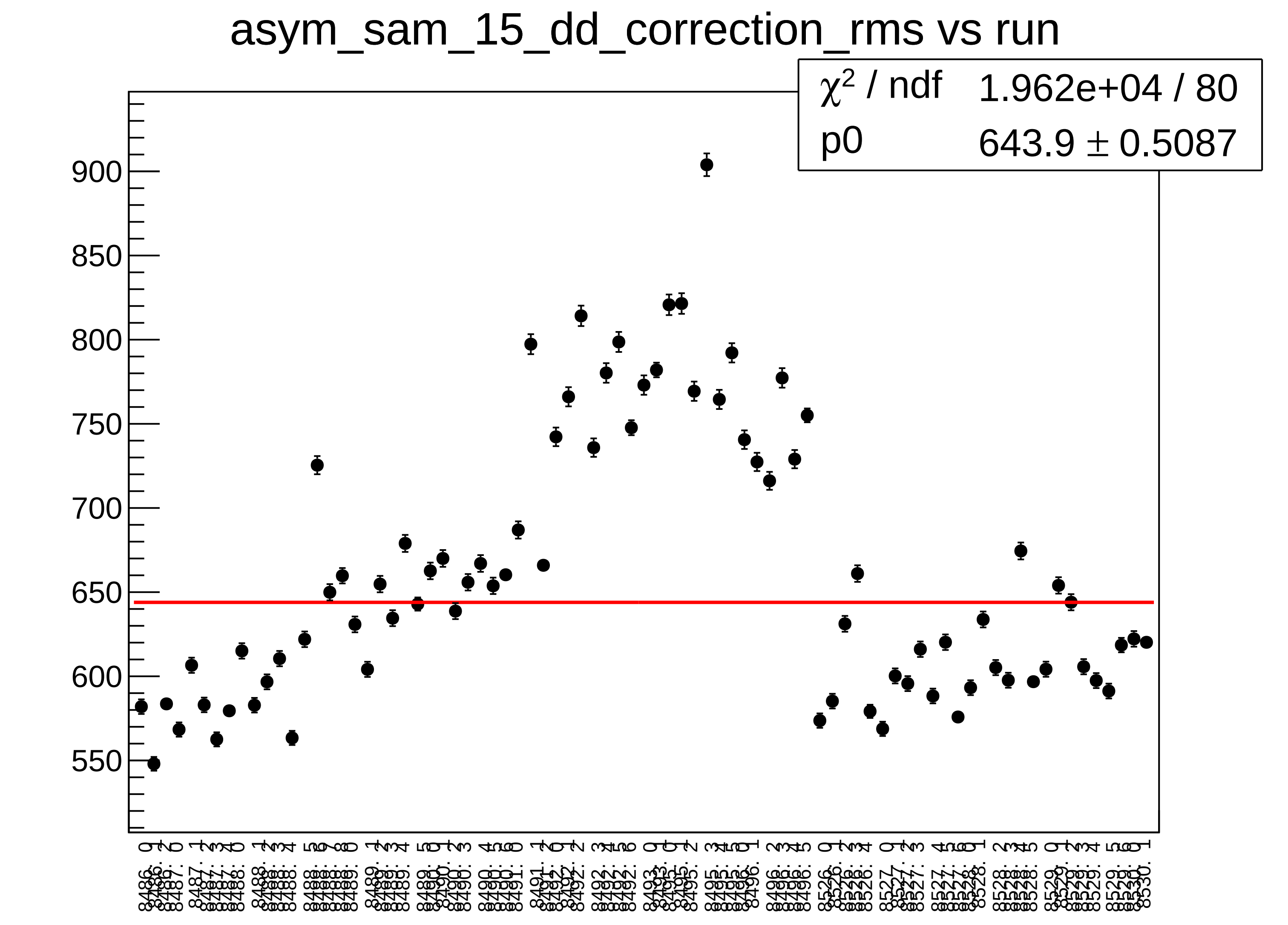
reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 77.78 / 80
p0 −64.24 ± 96.07
pull
Entries 81
Mean 956.9
Std Dev 921.1
pull1D
Entries 81
Mean 0.00241
Std Dev 0.9799



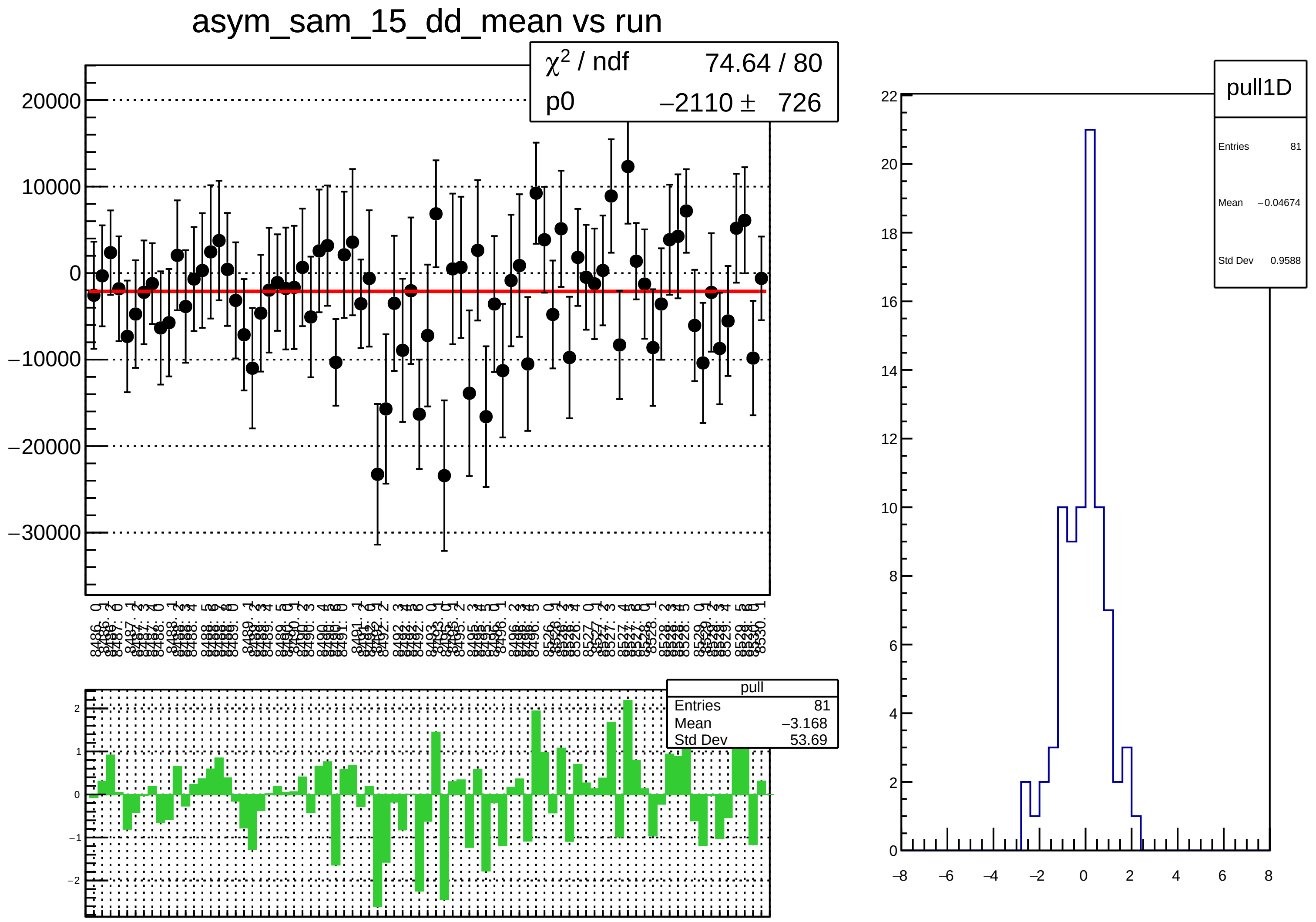
reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 922.4 / 80
p0 86.49 ± 0.06793
90
88
86
84
82
80
78



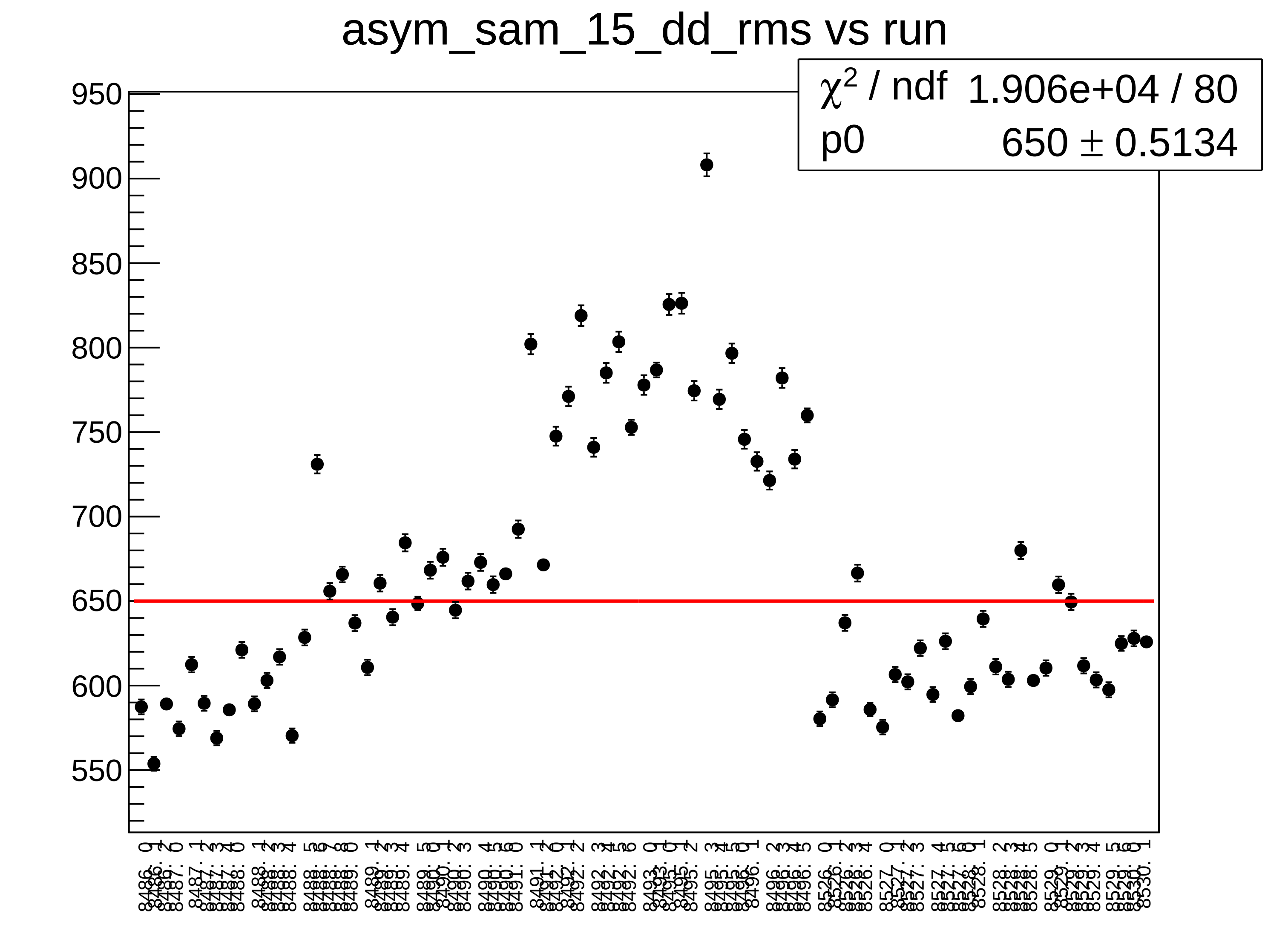
asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 75.74 / 80
p0 2052 ± 719.4
pull
Entries 81
Mean 3.487
Std Dev 49.29
pull1D
Entries 81
Mean 0.04678
Std Dev 0.9658



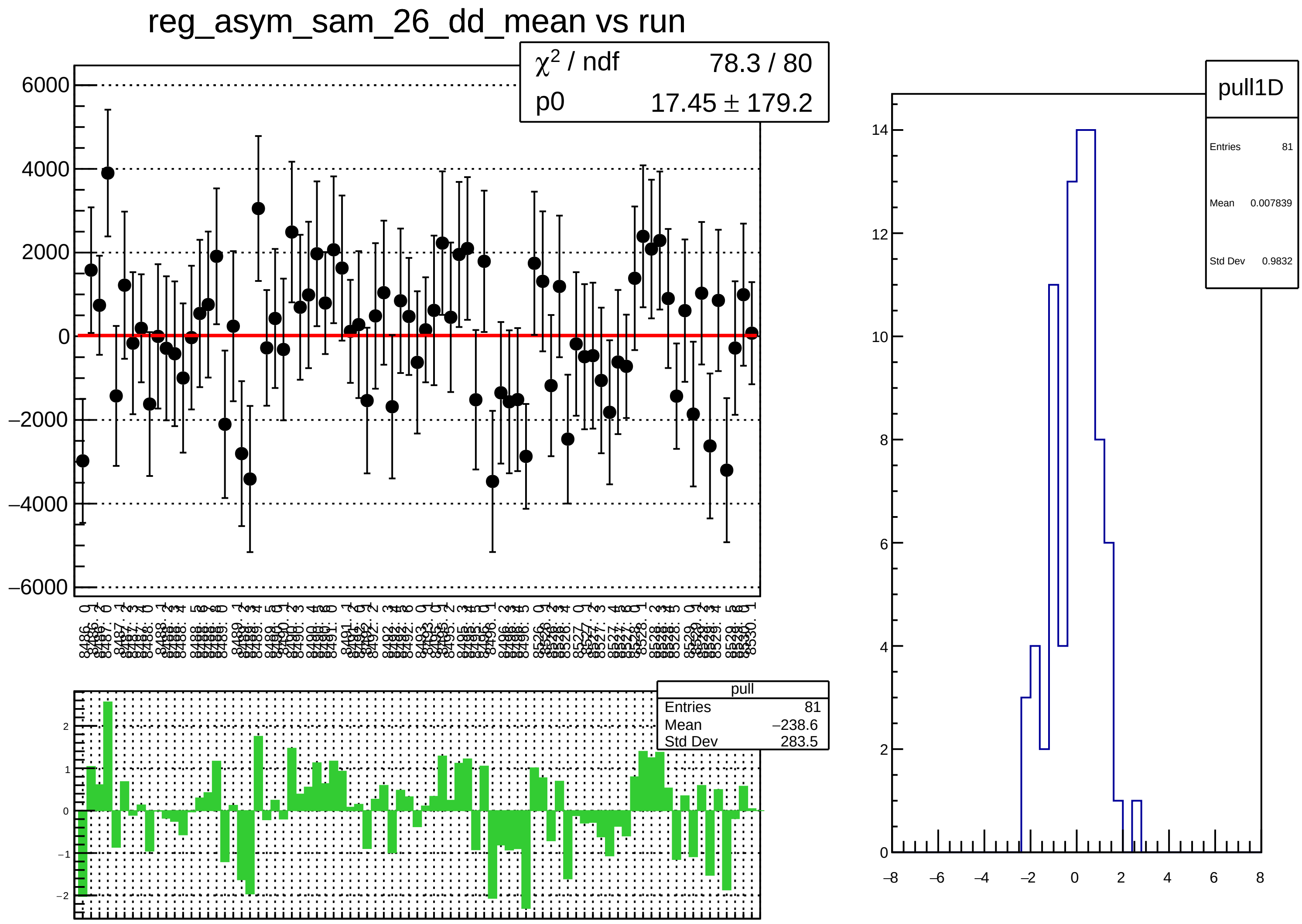
asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 1.962e+04 / 80
p0 643.9 ± 0.5087
900
850
800
750
700
650
600
550



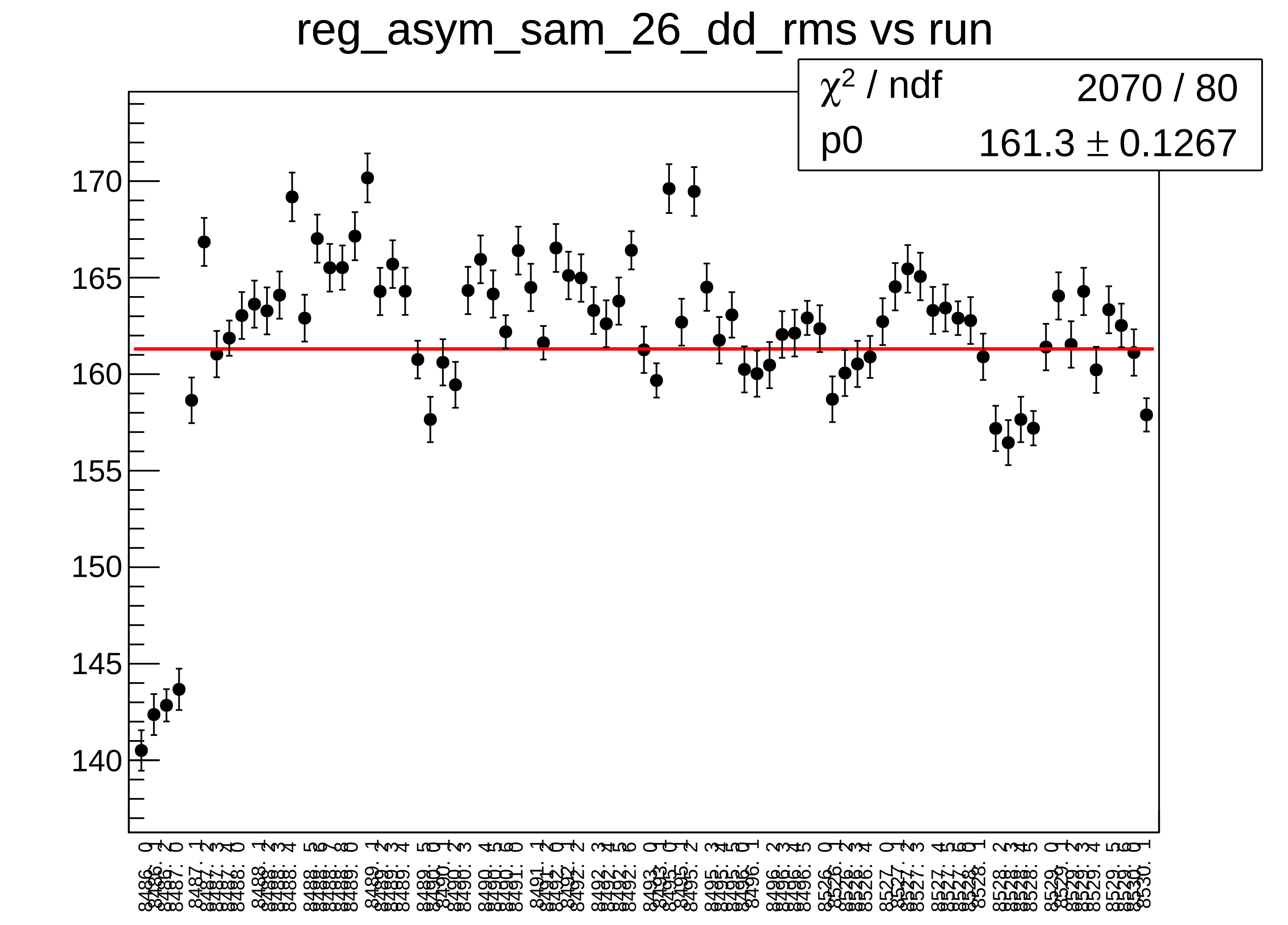
asym_sam_15_dd_mean vs run
χ^2 / ndf 74.64 / 80
p0 −2110 ± 726
pull
Entries 81
Mean −3.168
Std Dev 53.69
pull1D
Entries 81
Mean −0.04674
Std Dev 0.9588



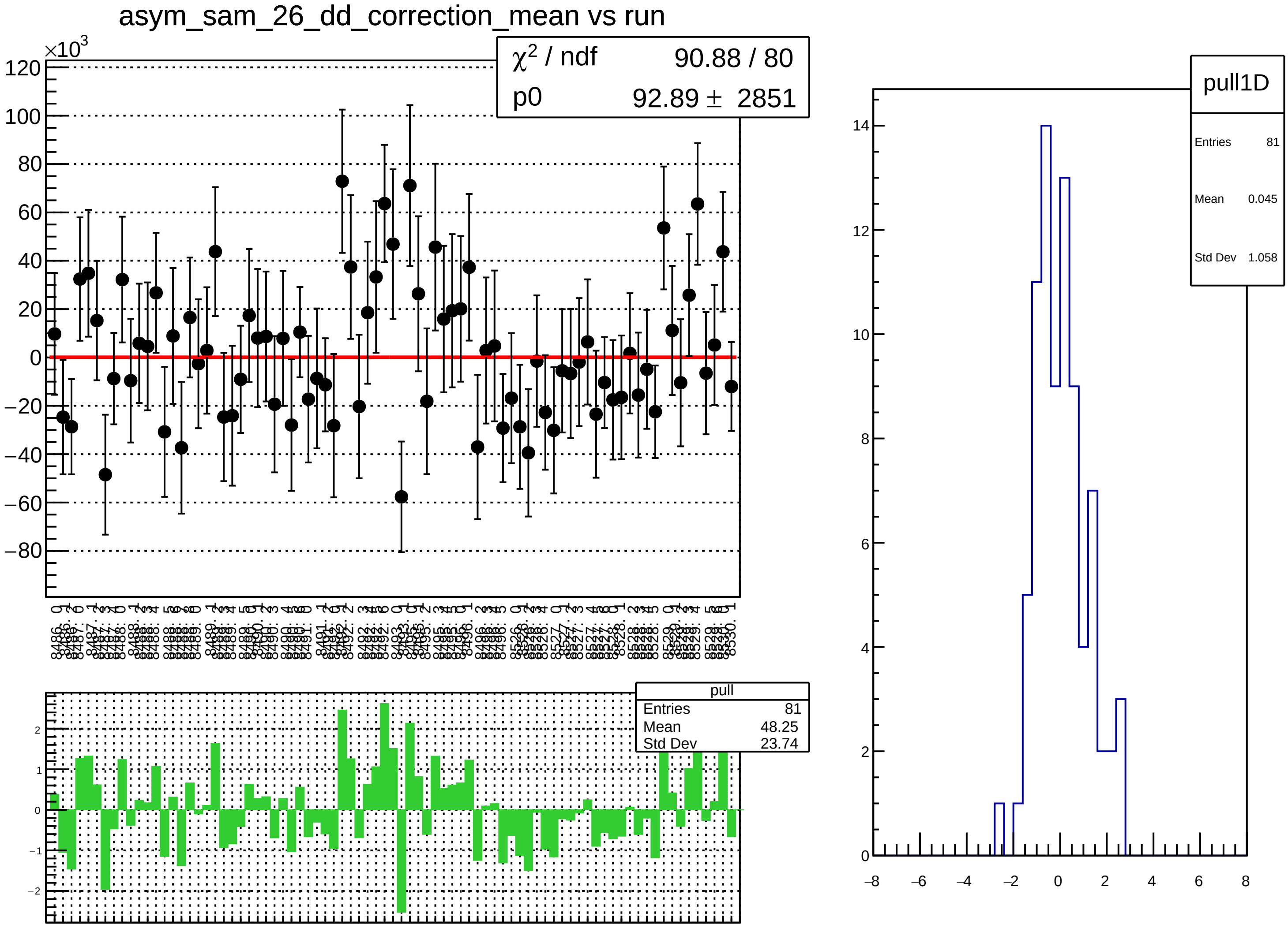
asym_sam_15_dd_rms vs run
χ^2 / ndf 1.906e+04 / 80
p0 650 ± 0.5134
950
900
850
800
750
700
650
600
550



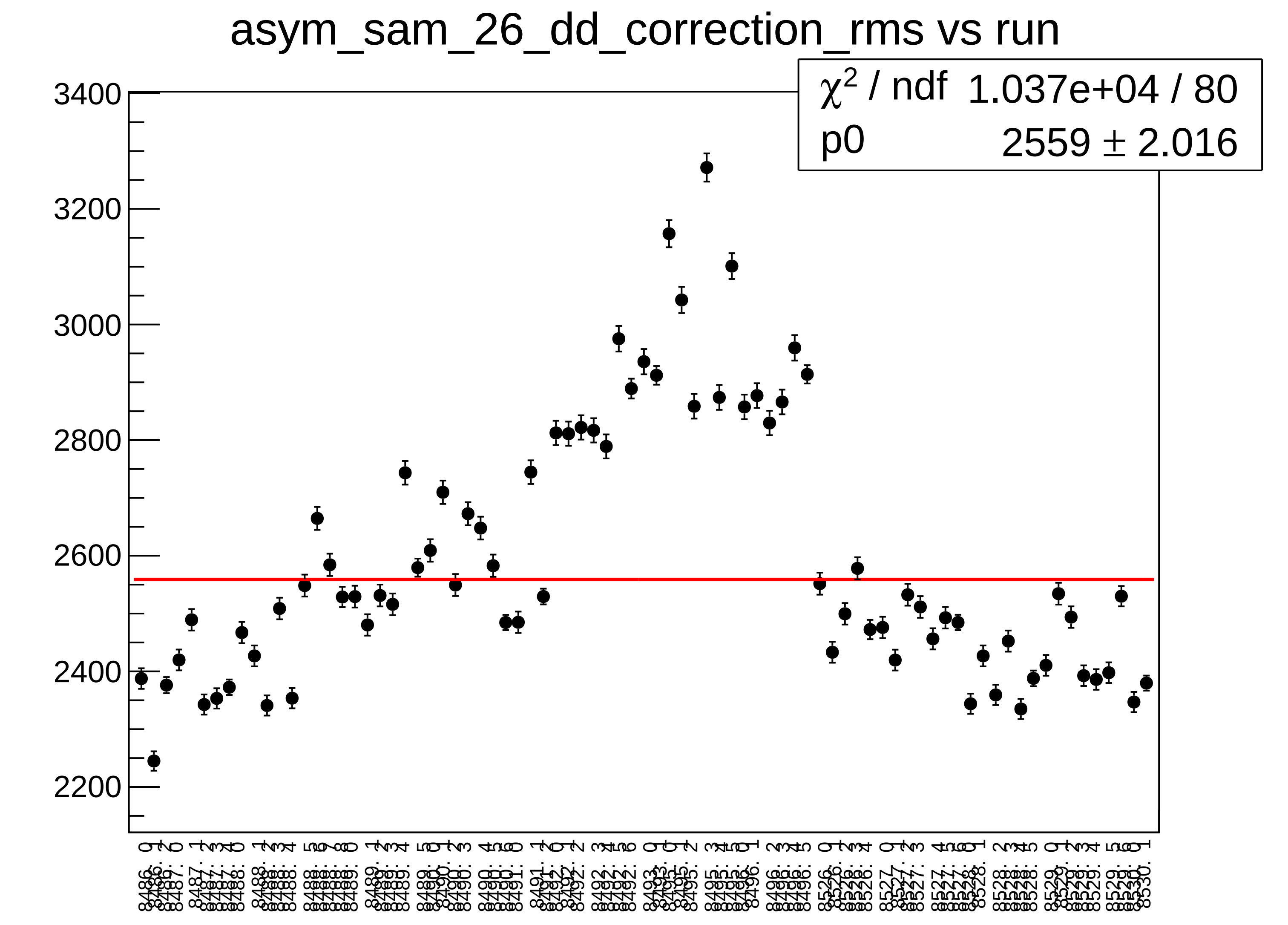
reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 78.3 / 80
p0 17.45 ± 179.2
pull
Entries 81
Mean −238.6
Std Dev 283.5
pull1D
Entries 81
Mean 0.007839
Std Dev 0.9832

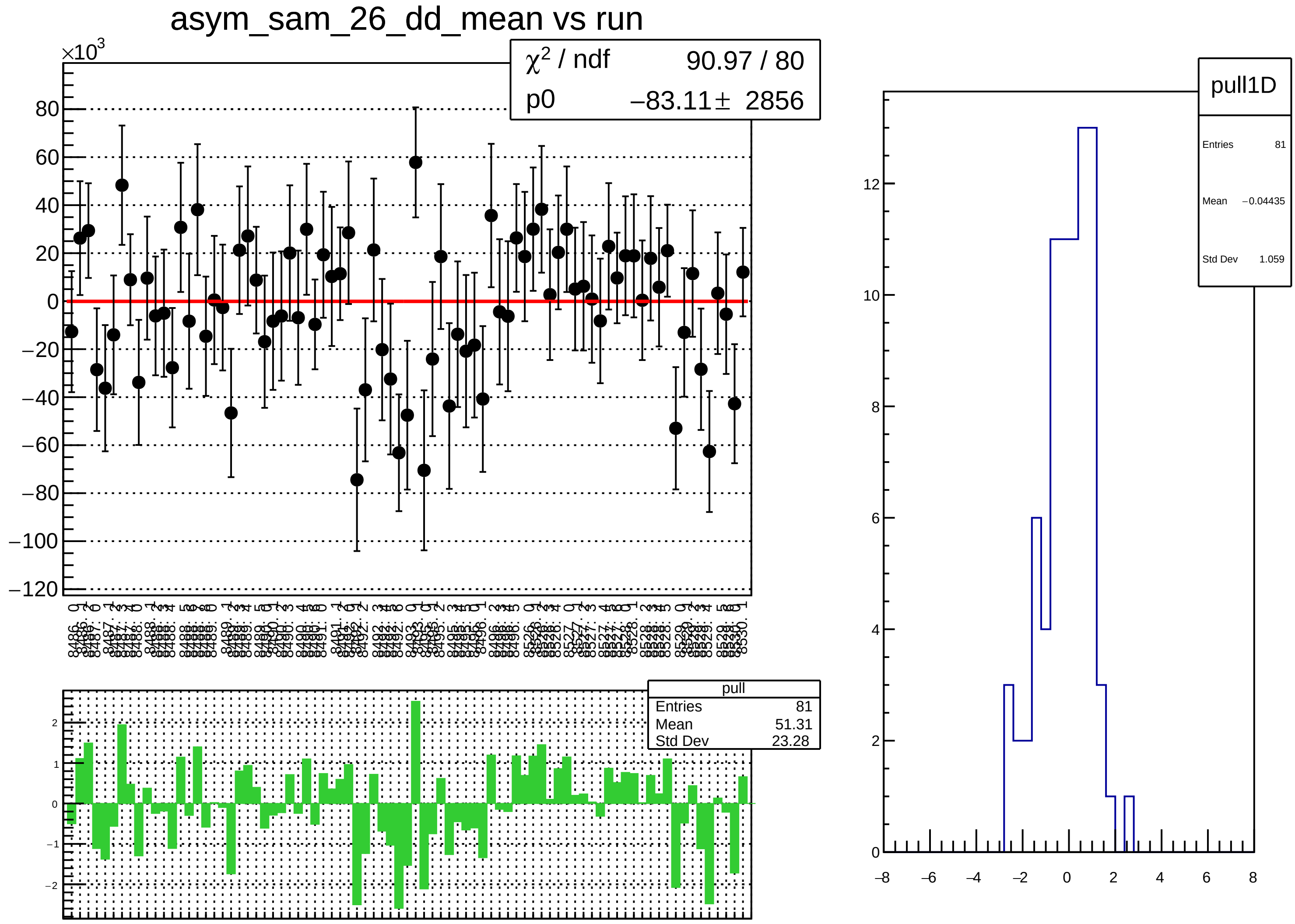


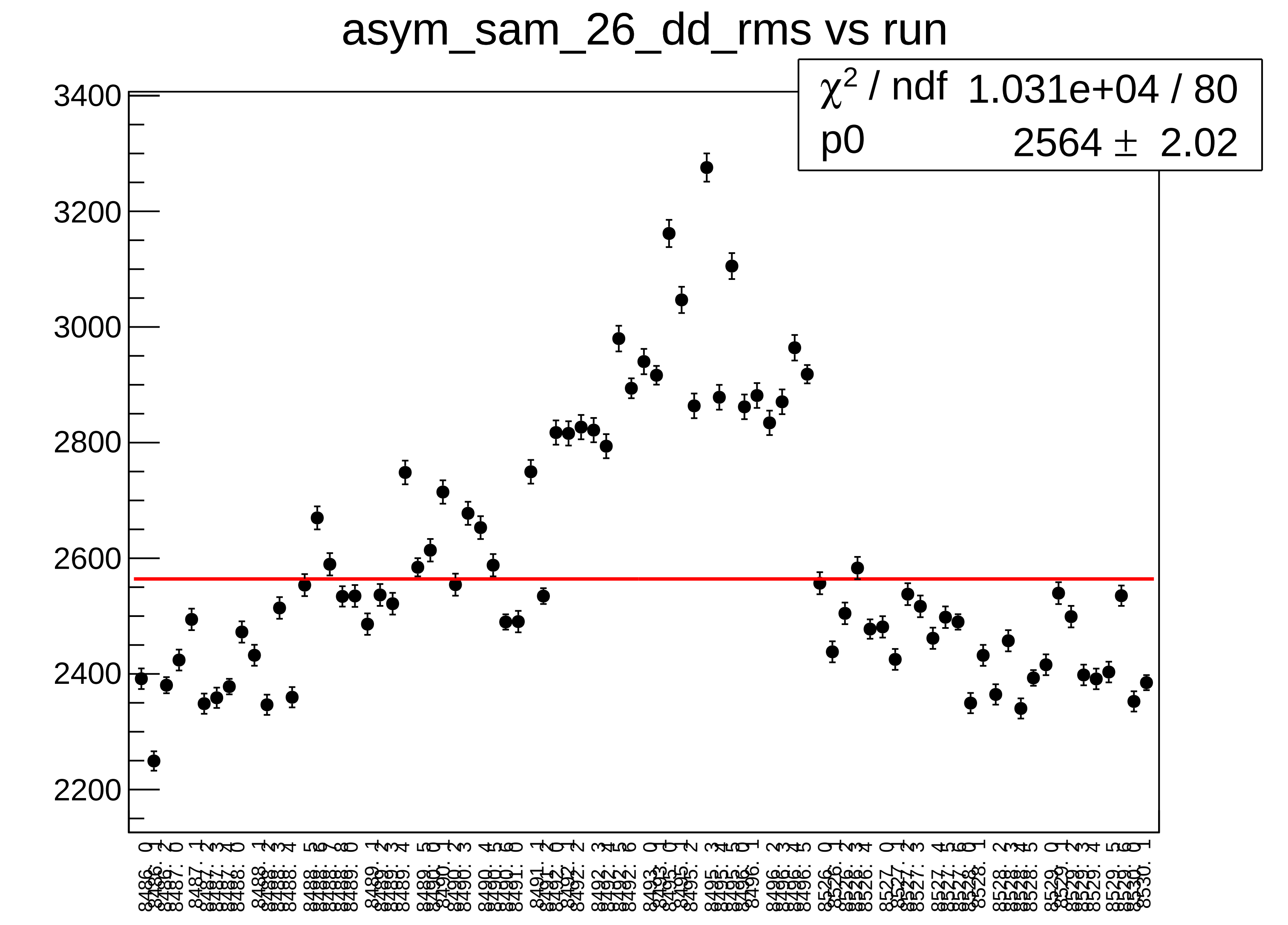
reg_asym_sam_26_dd_rms vs run
χ^2 / ndf 2070 / 80
p0 161.3 ± 0.1267
170
165
160
155
150
145
140



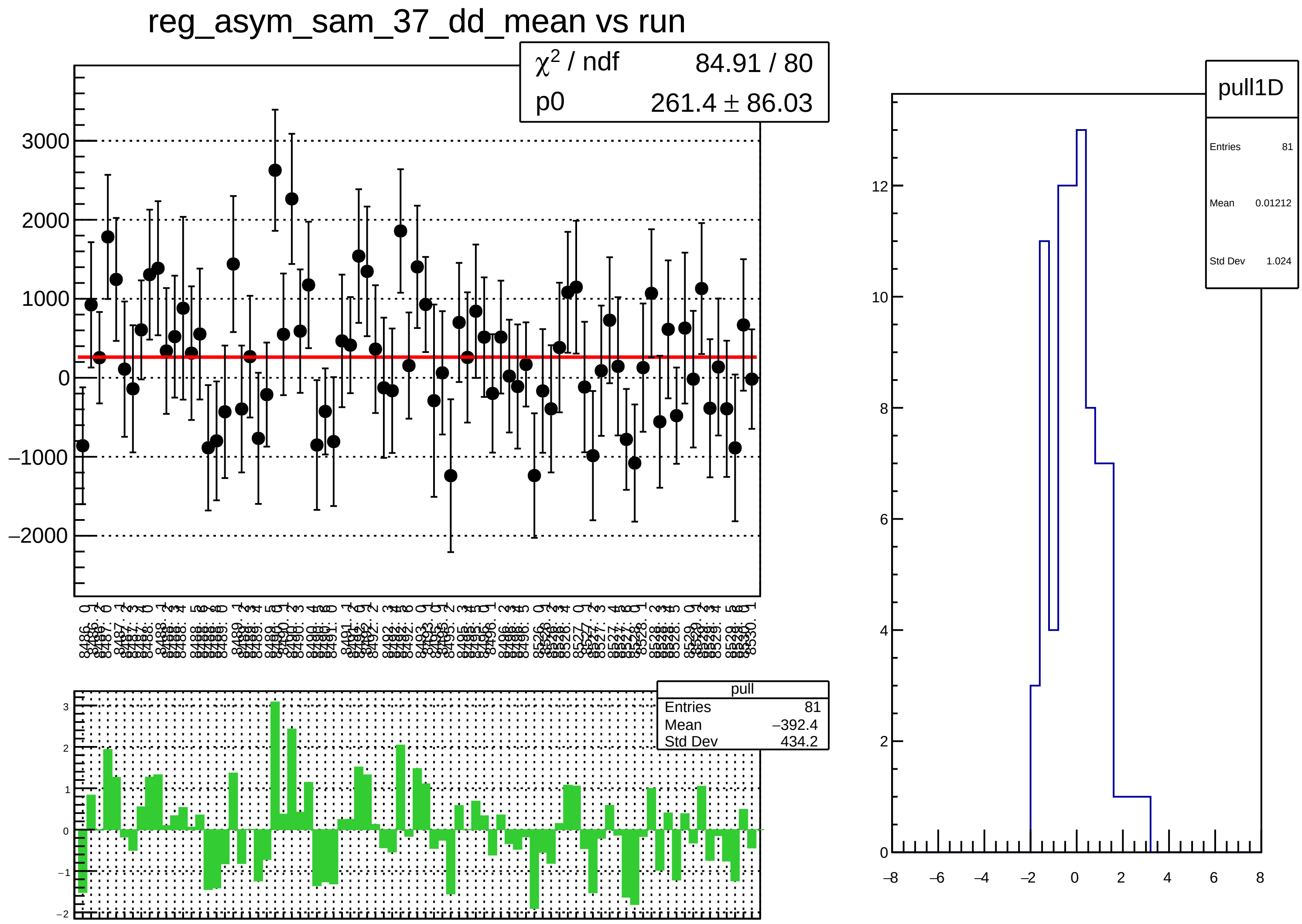
asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 90.88 / 80
p0 92.89 ± 2851
pull
Entries 81
Mean 48.25
Std Dev 23.74
pull1D
Entries 81
Mean 0.045
Std Dev 1.058


asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 1.037e+04 / 80
p0 2559 ± 2.016
3400
3200
3000
2800
2600
2400
2200

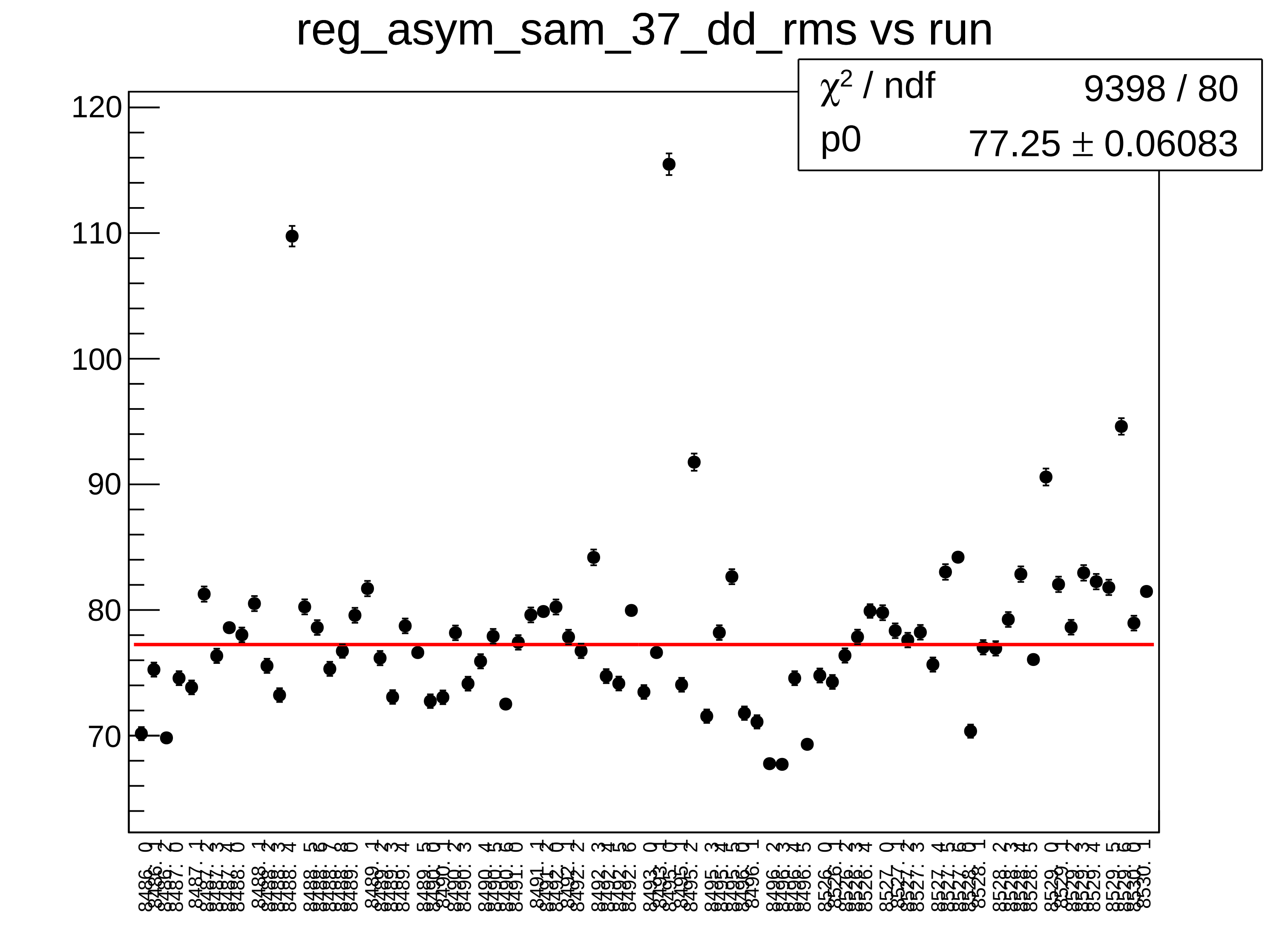

asym_sam_26_dd_mean vs run
χ^2 / ndf 90.97 / 80
p0 −83.11 ± 2856
pull
Entries 81
Mean 51.31
Std Dev 23.28
pull1D
Entries 81
Mean −0.04435
Std Dev 1.059



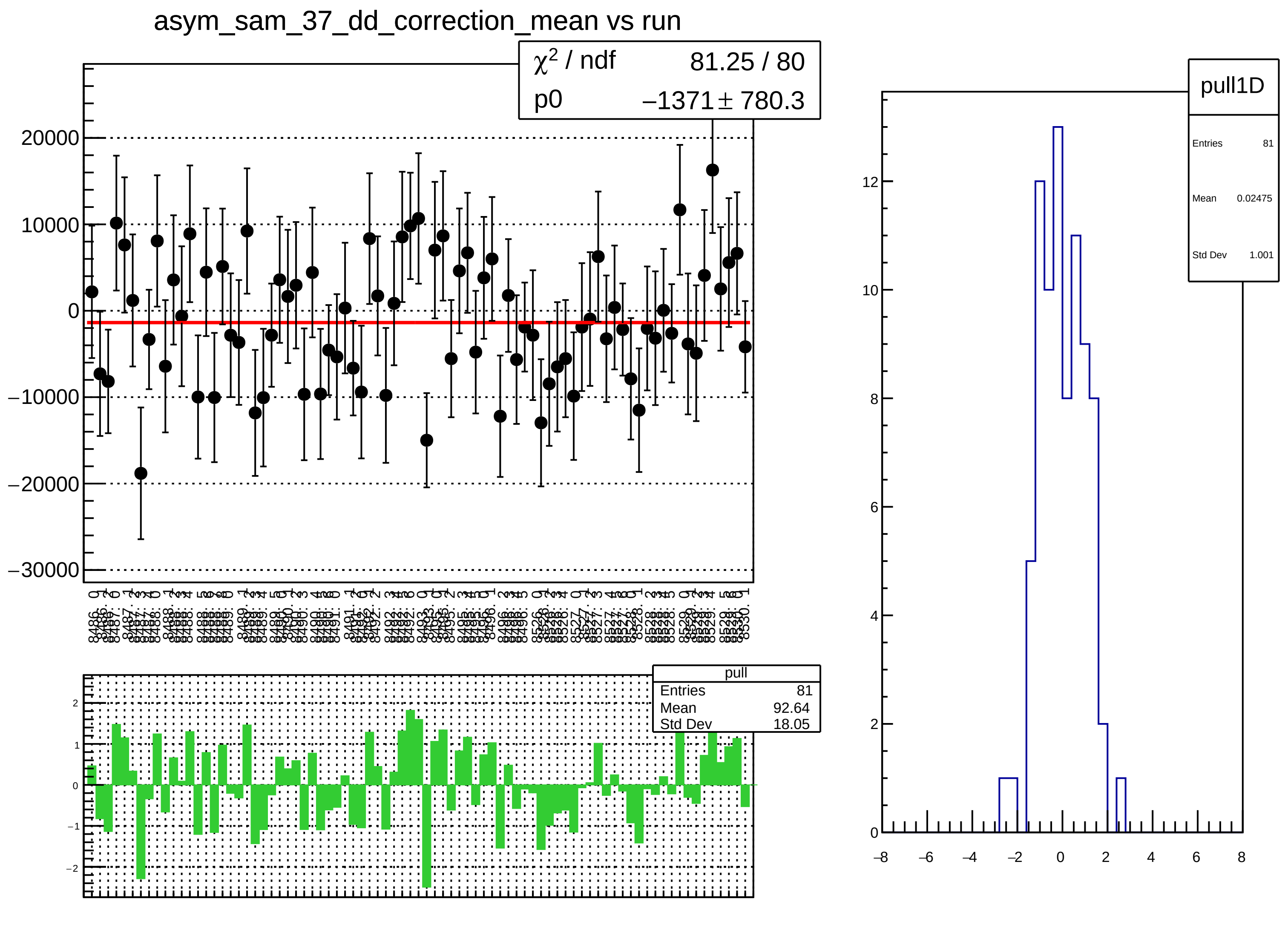
asym_sam_26_dd_rms vs run
χ2 / ndf 1.031e+04 / 80
p0 2564 ± 2.02
3400
3200
3000
2800
2600
2400
2200



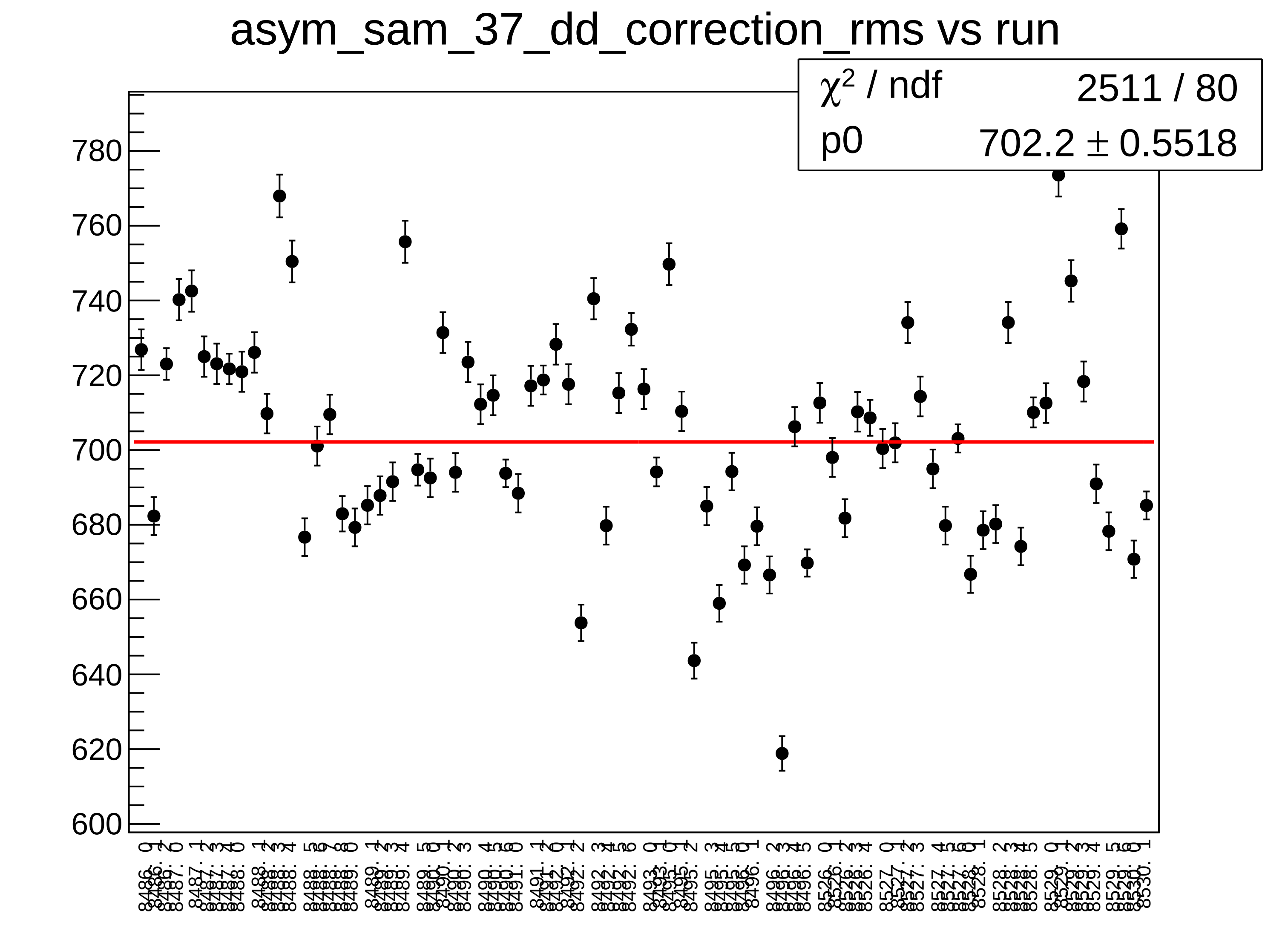
reg_asym_sam_37_dd_mean vs run
χ² / ndf 84.91 / 80
p0 261.4 ± 86.03
pull
Entries 81
Mean −392.4
Std Dev 434.2
pull1D
Entries 81
Mean 0.01212
Std Dev 1.024



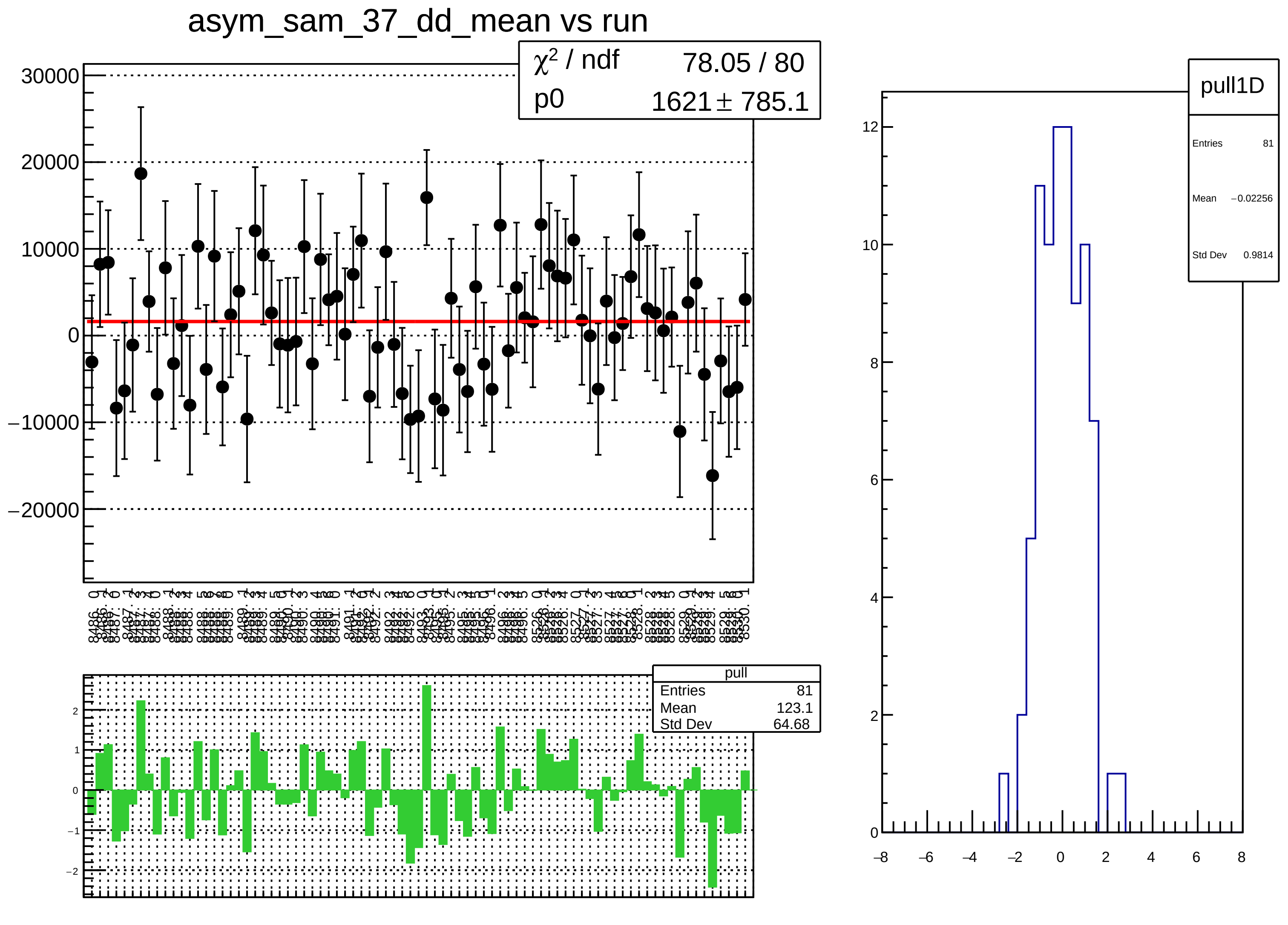
reg_asym_sam_37_dd_rms vs run
χ2 / ndf 9398 / 80
p0 77.25 ± 0.06083



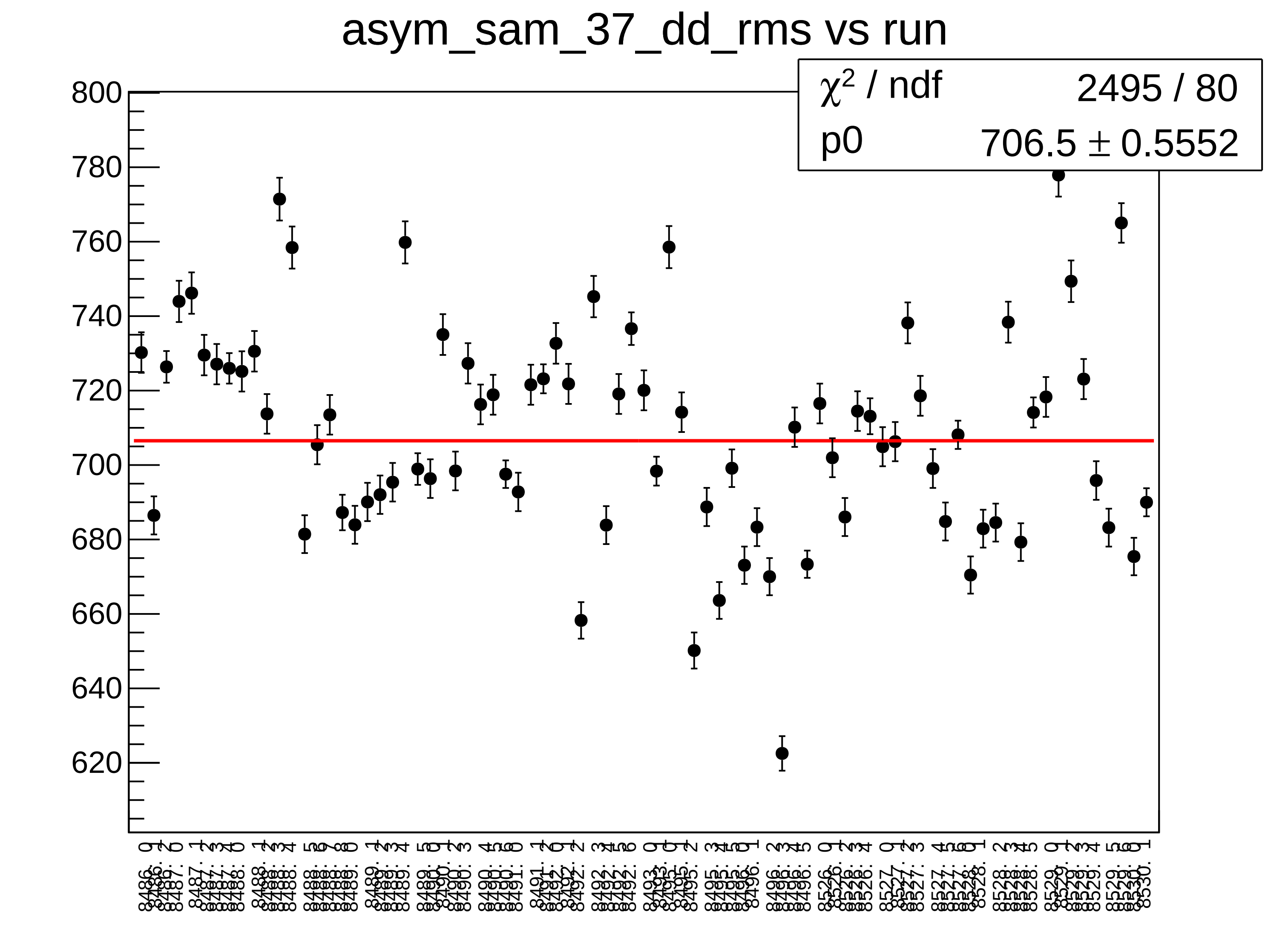
asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 81.25 / 80
p0 −1371 ± 780.3
pull
Entries 81
Mean 92.64
Std Dev 18.05
pull1D
Entries 81
Mean 0.02475
Std Dev 1.001



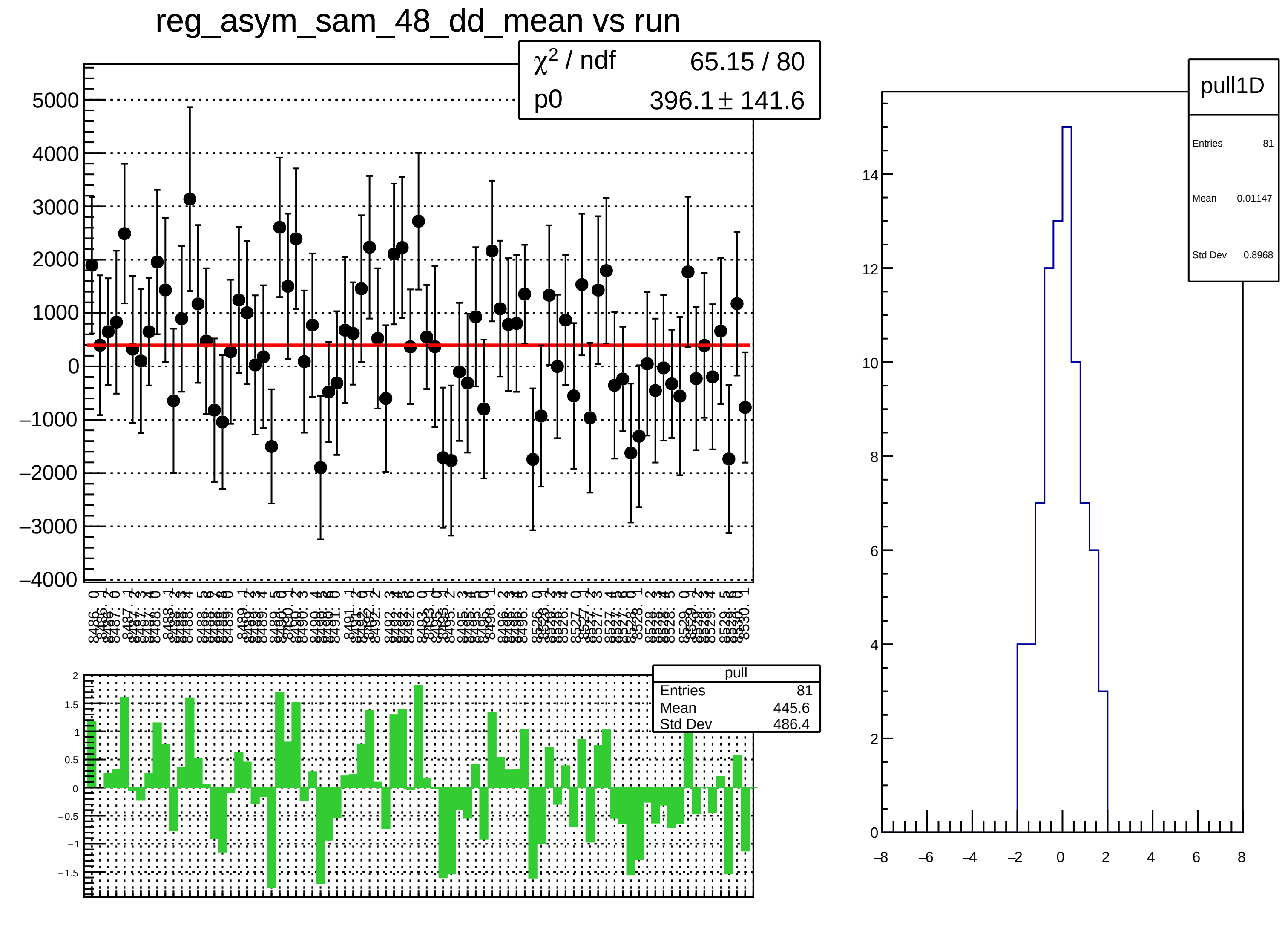
asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 2511 / 80
p0 702.2 ± 0.5518
780
760
740
720
700
680
660
640
620
600

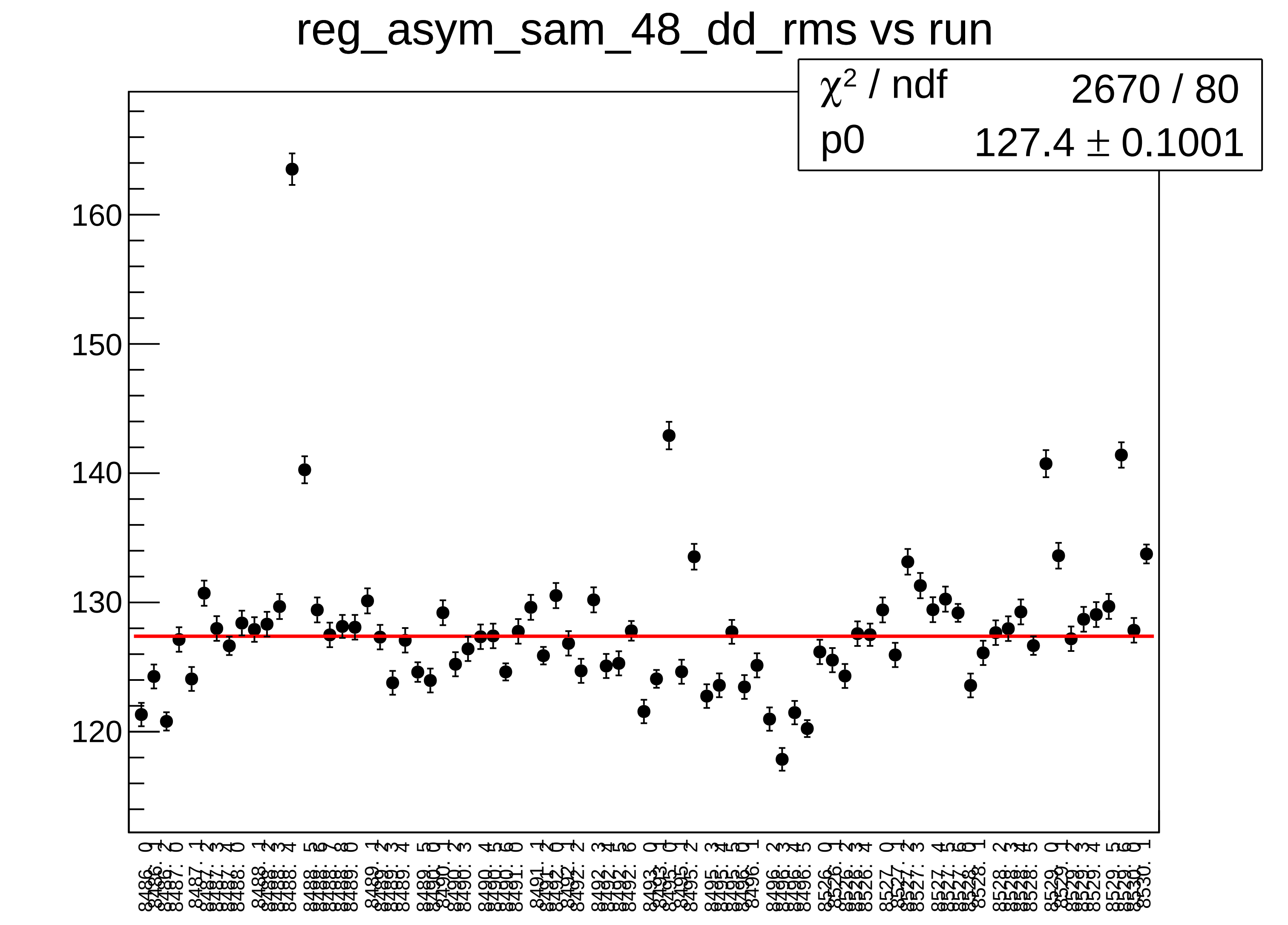


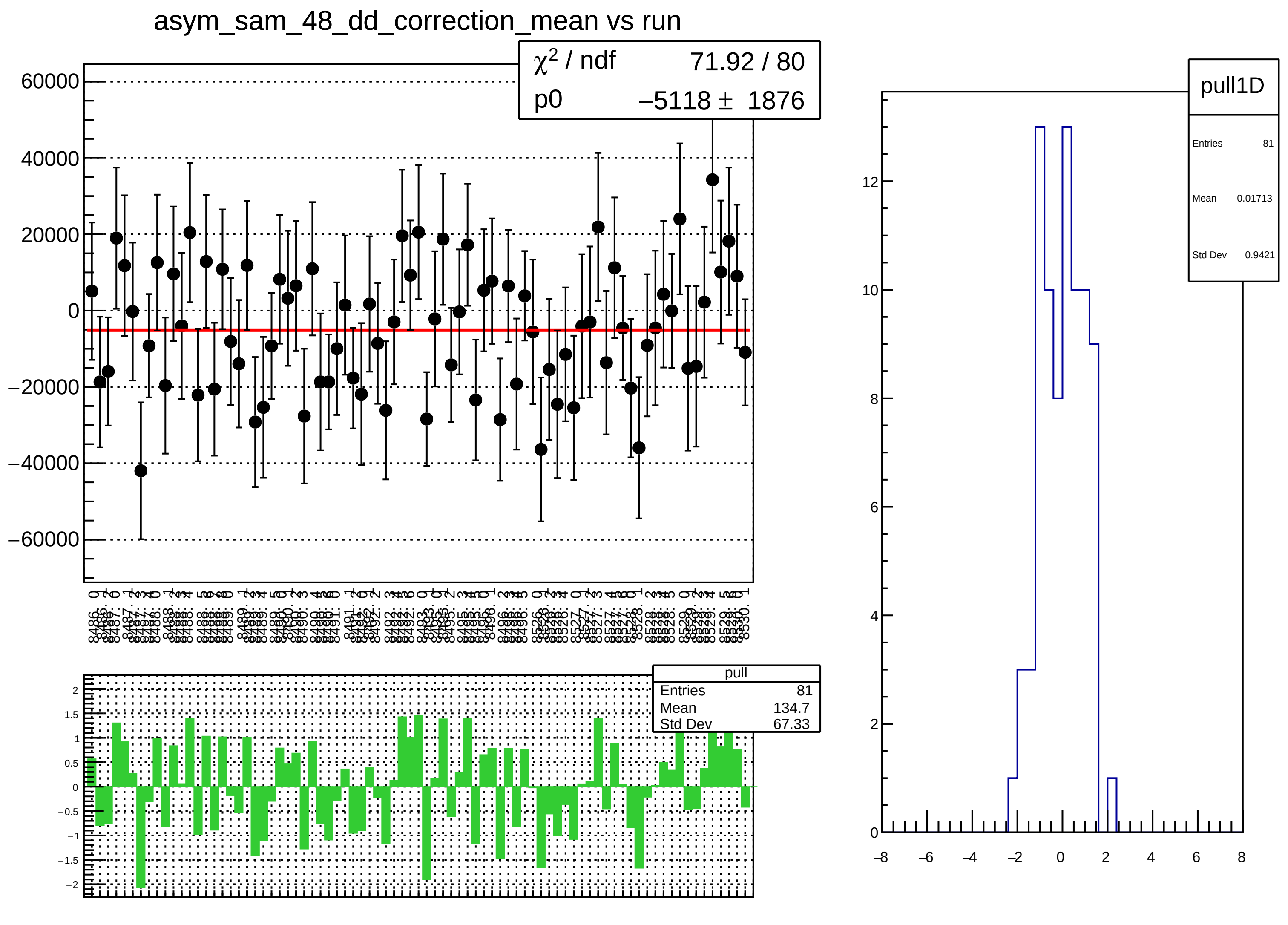
asym_sam_37_dd_mean vs run
χ^2 / ndf 78.05 / 80
p0 1621 ± 785.1
pull
Entries 81
Mean 123.1
Std Dev 64.68
pull1D
Entries 81
Mean −0.02256
Std Dev 0.9814



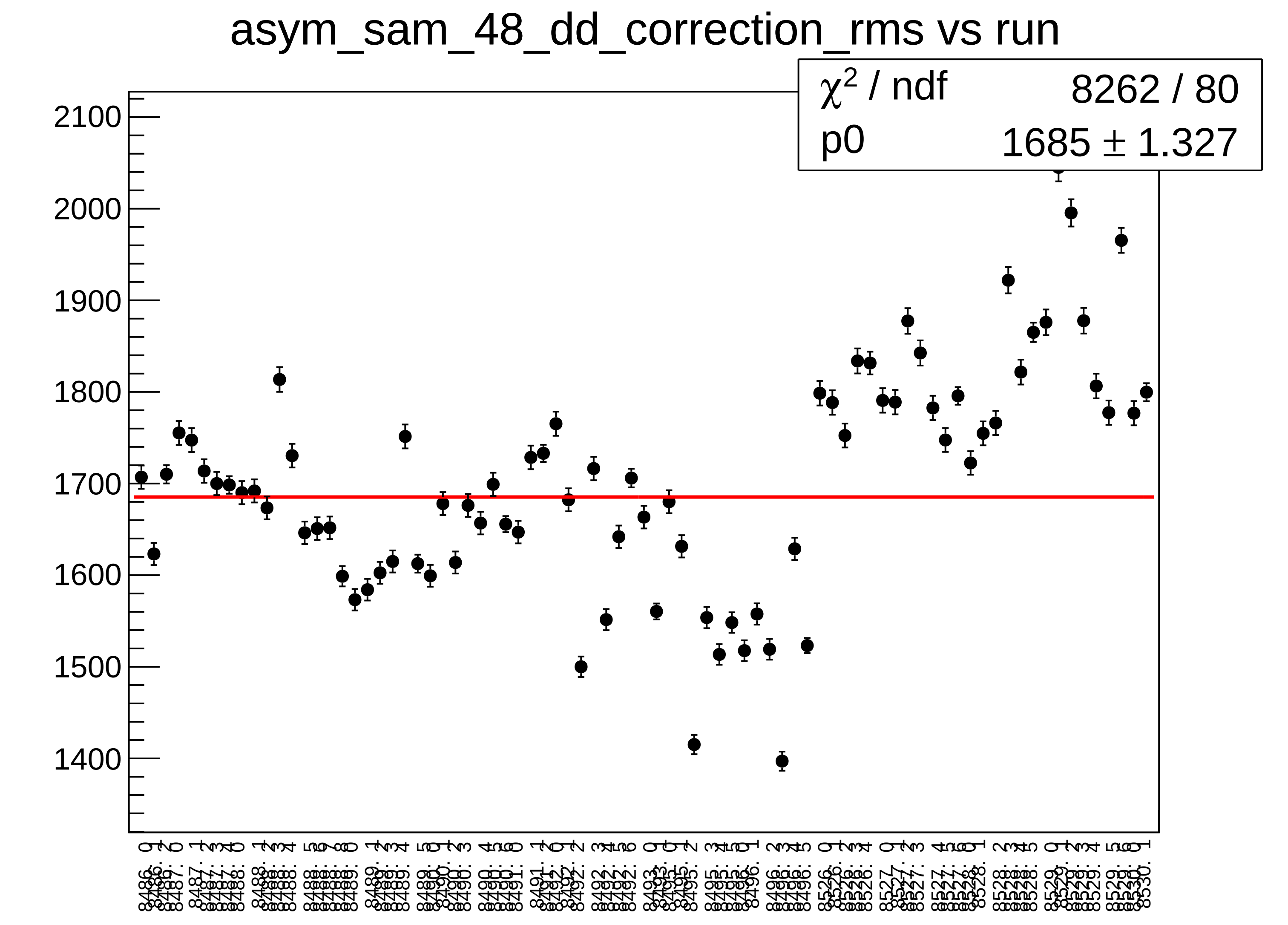
asym_sam_37_dd_rms vs run
χ^2 / ndf 2495 / 80
p0 706.5 ± 0.5552

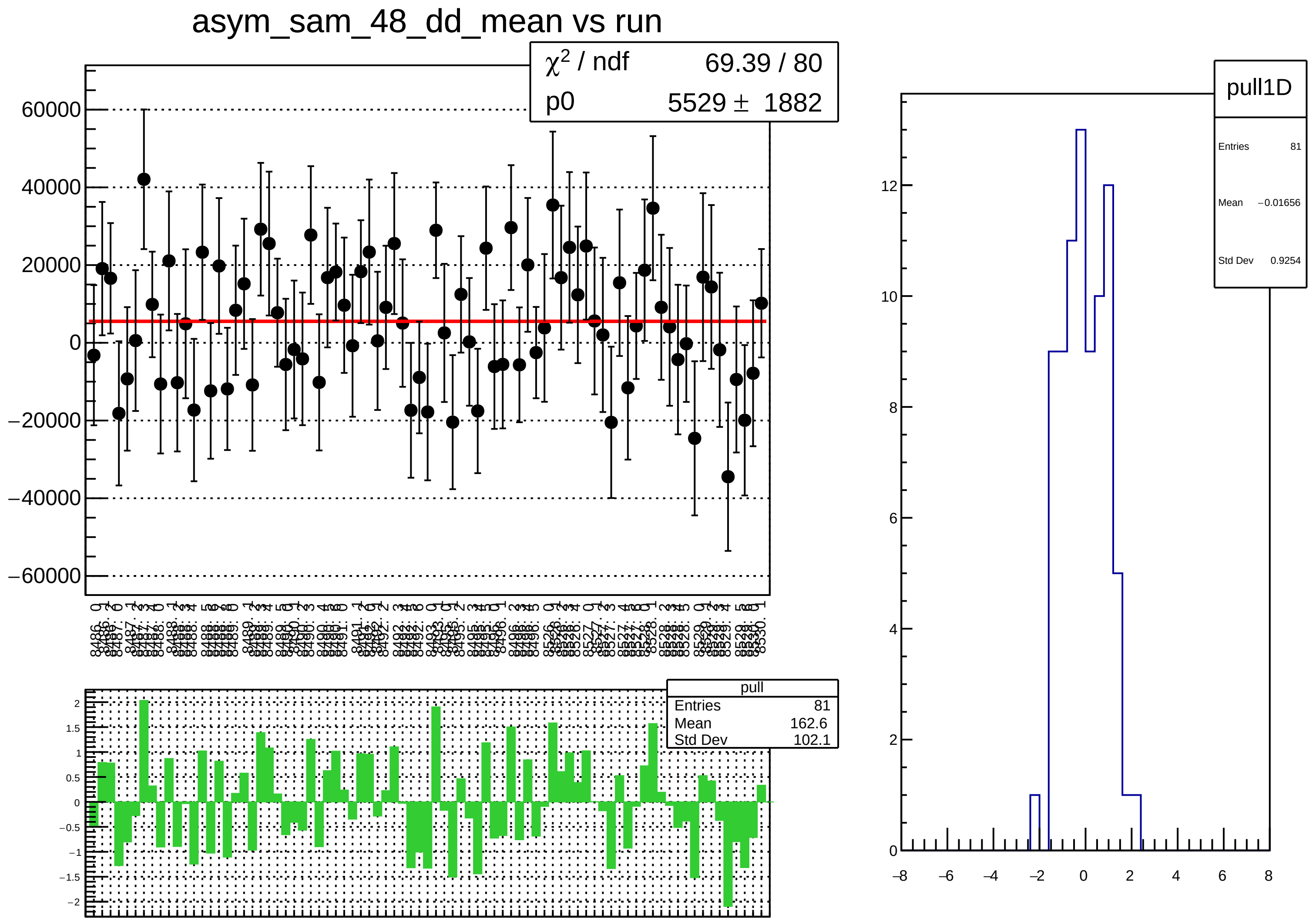

reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 65.15 / 80
p0 396.1 ± 141.6
pull
Entries 81
Mean −445.6
Std Dev 486.4
pull1D
Entries 81
Mean 0.01147
Std Dev 0.8968


reg_asym_sam_48_dd_rms vs run
χ2 / ndf 2670 / 80
p0 127.4 ± 0.1001
160
150
140
130
120

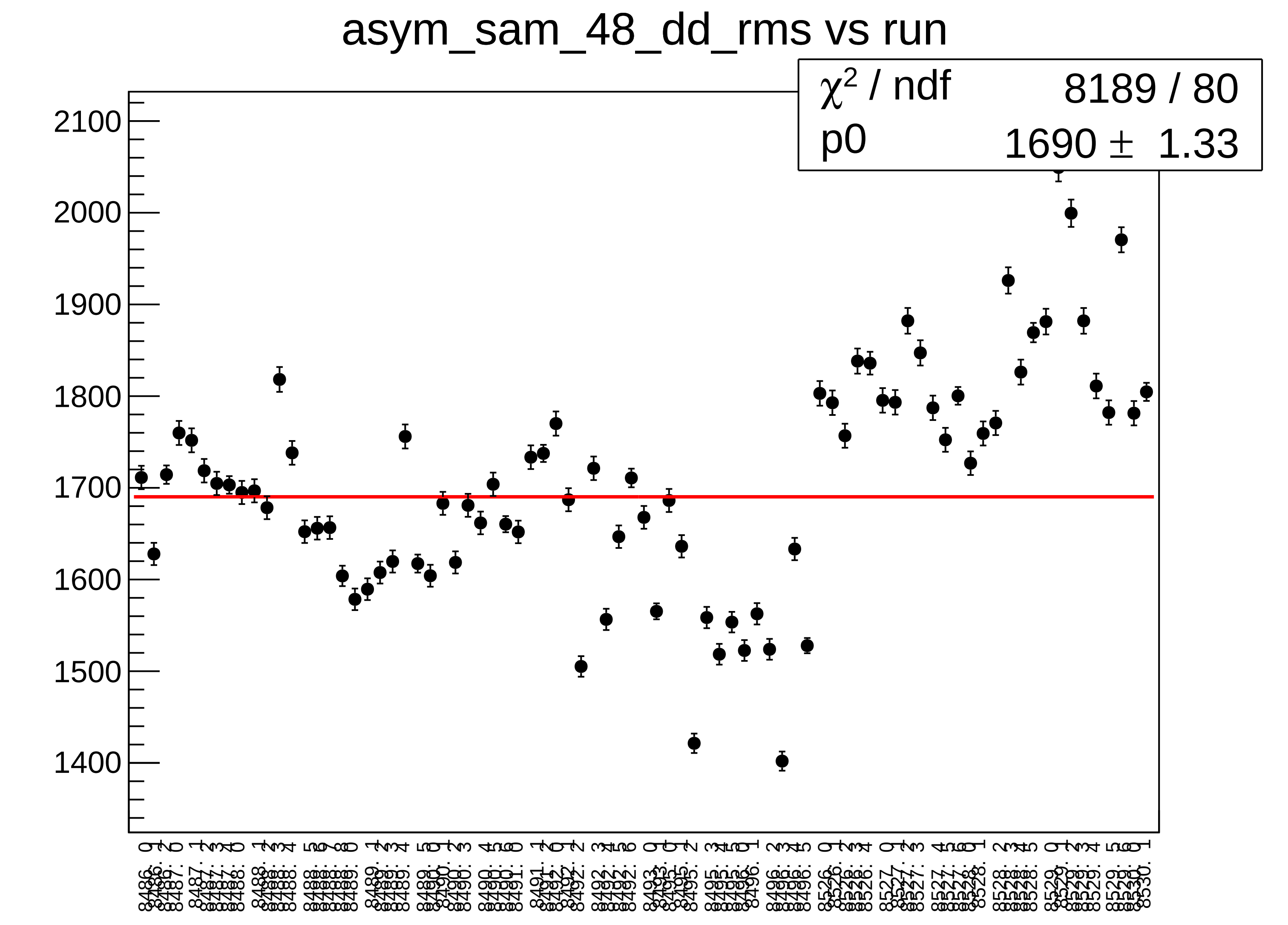


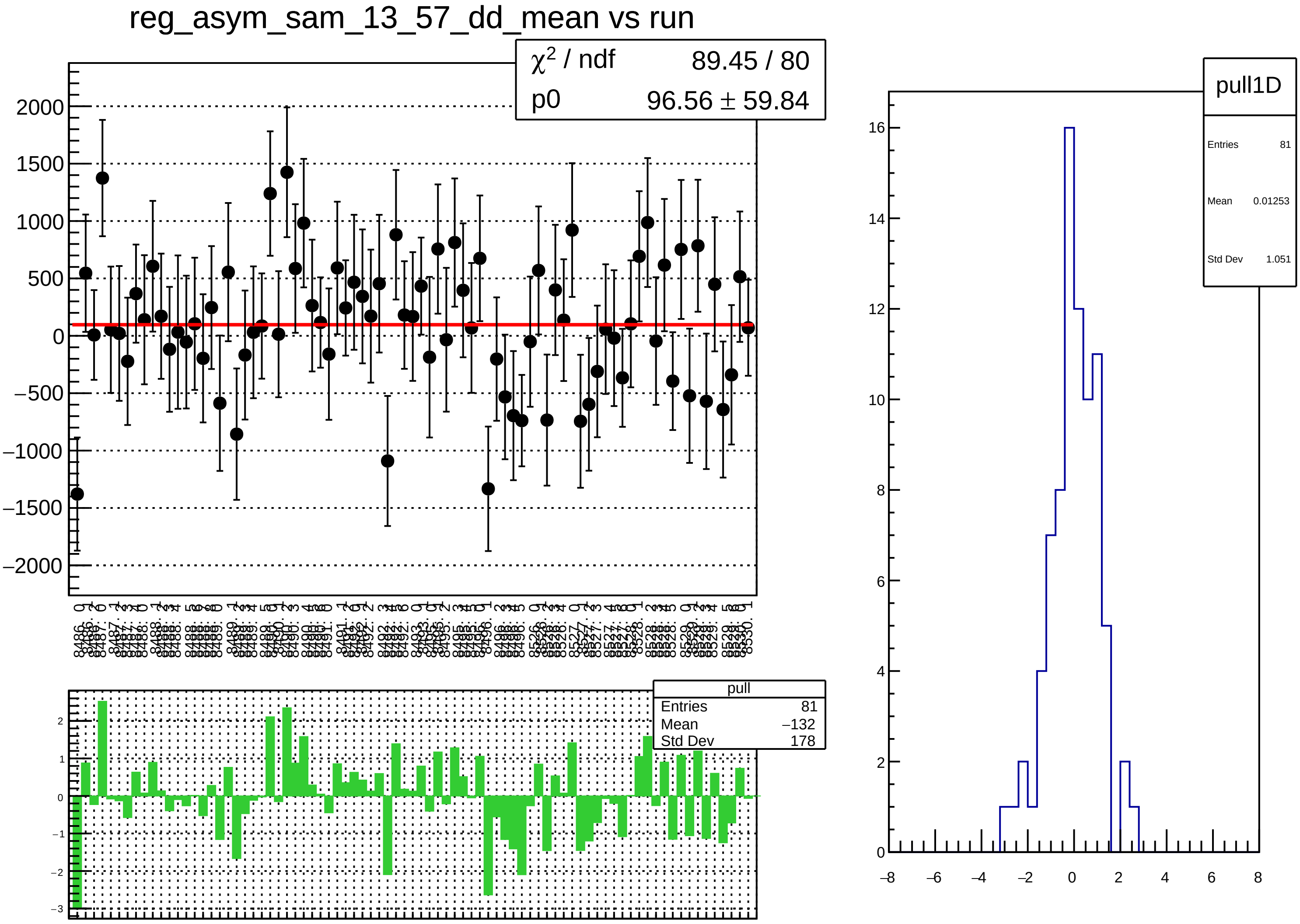
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 71.92 / 80
p0 −5118 ± 1876
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 134.7
Std Dev 67.33
pull1D
Entries 81
Mean 0.01713
Std Dev 0.9421


asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 8262 / 80
p0 1685 ± 1.327

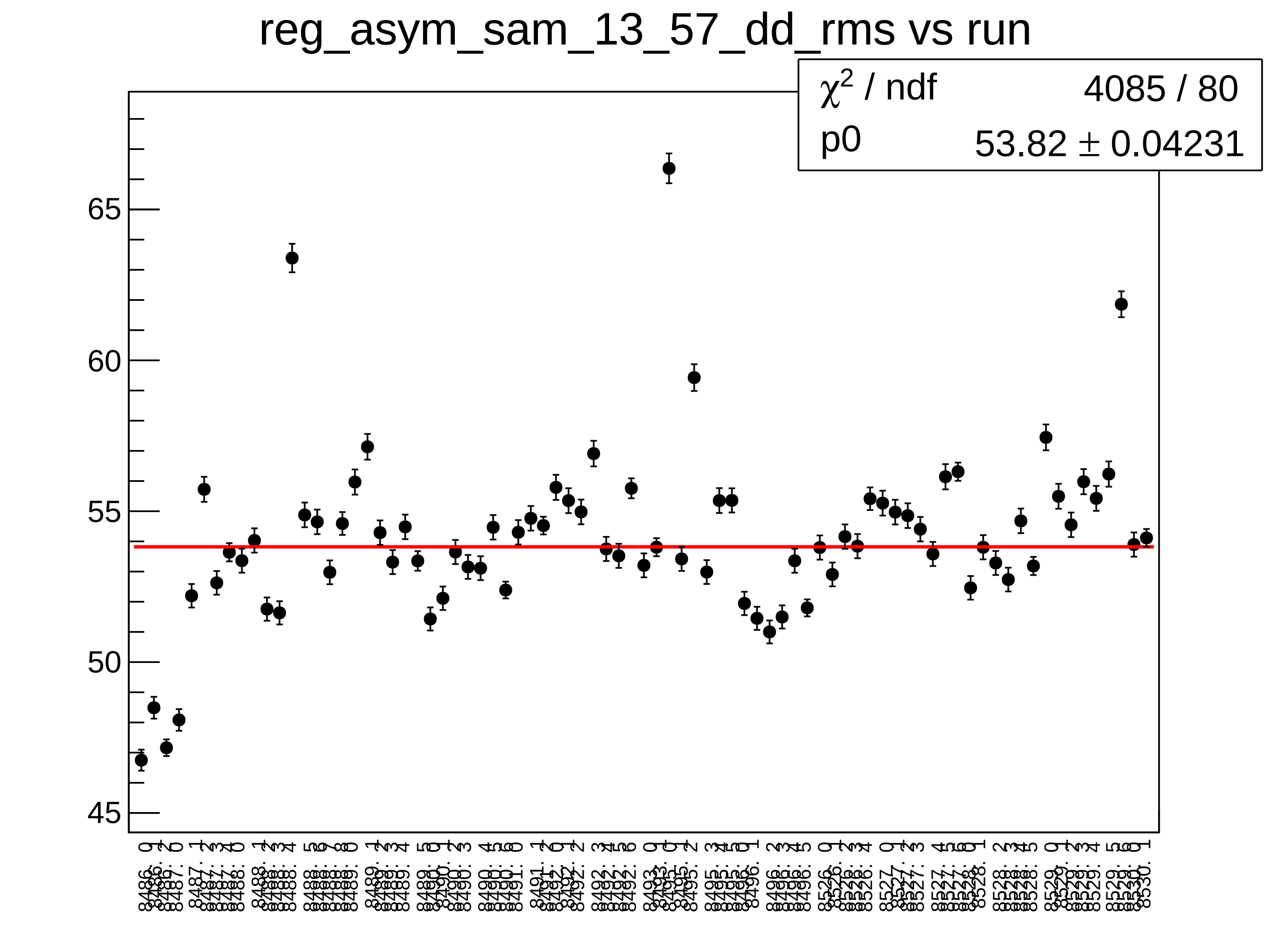


asym_sam_48_dd_mean vs run
χ^2 / ndf 69.39 / 80
p0 5529 ± 1882
pull
Entries 81
Mean 162.6
Std Dev 102.1
pull1D
Entries 81
Mean −0.01656
Std Dev 0.9254

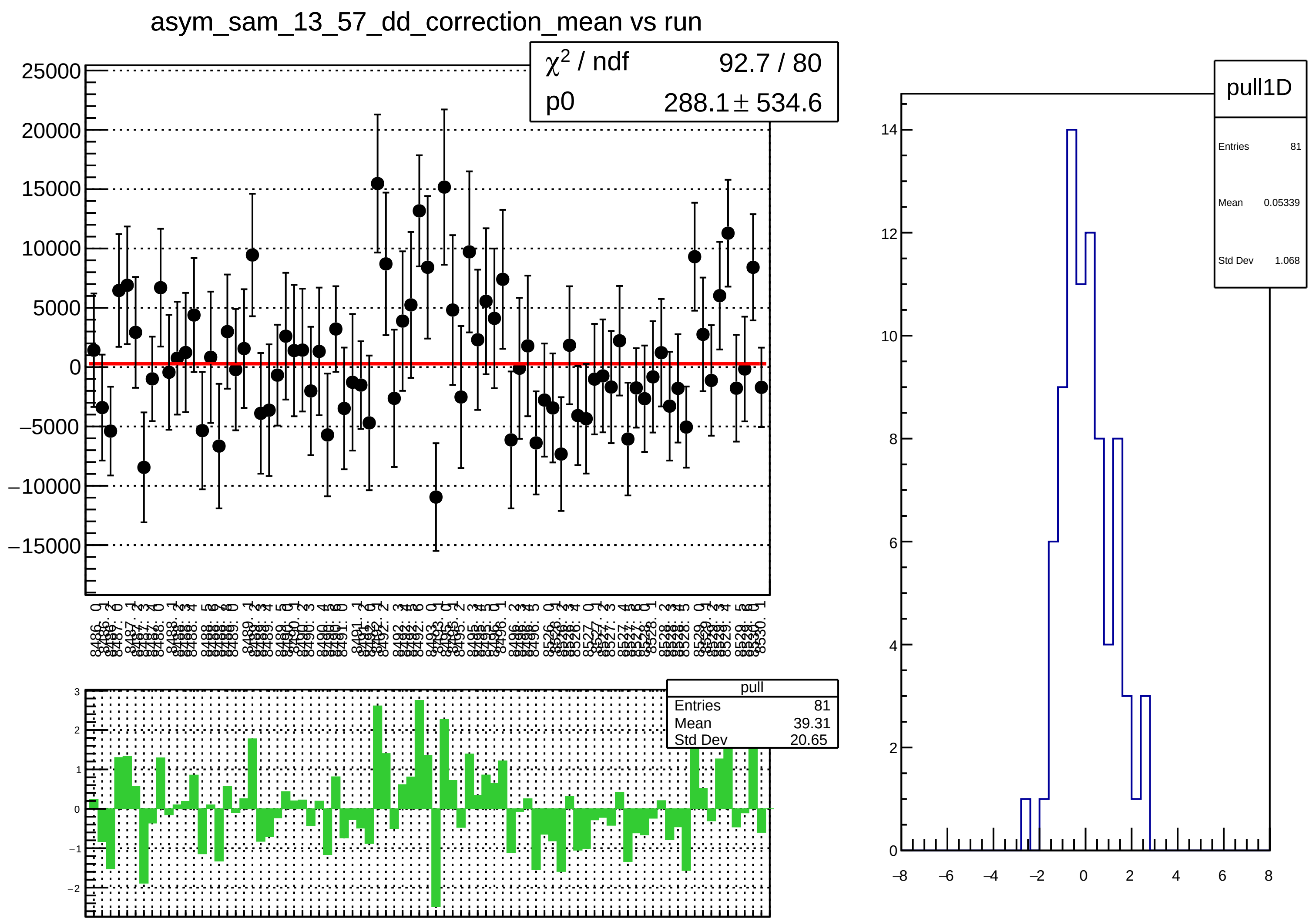

asym_sam_48_dd_rms vs run
χ2 / ndf 8189 / 80
p0 1690 ± 1.33
2100
2000
1900
1800
1700
1600
1500
1400



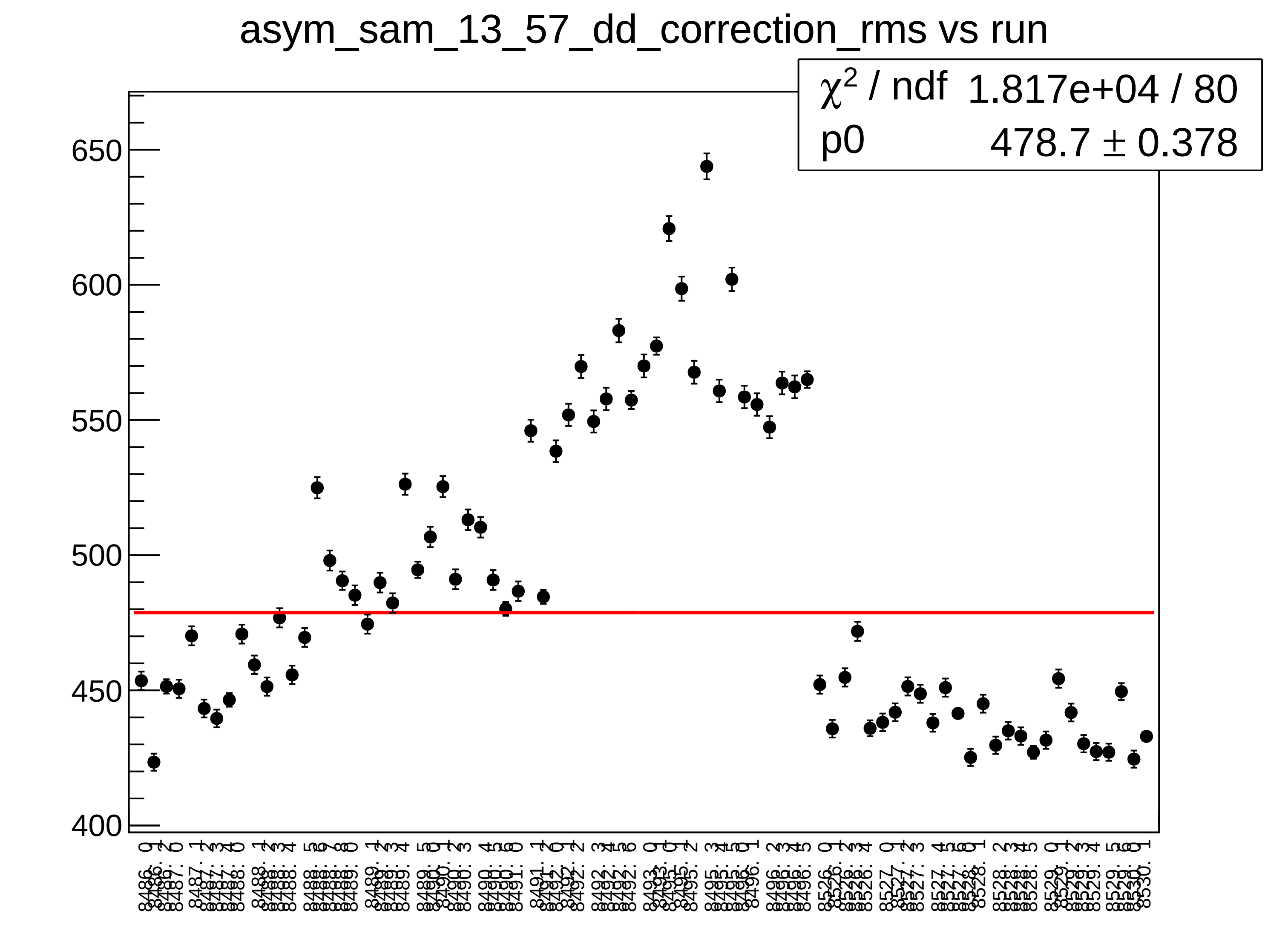
reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 89.45 / 80
p0 96.56 ± 59.84
pull
Entries 81
Mean −132
Std Dev 178
pull1D
Entries 81
Mean 0.01253
Std Dev 1.051



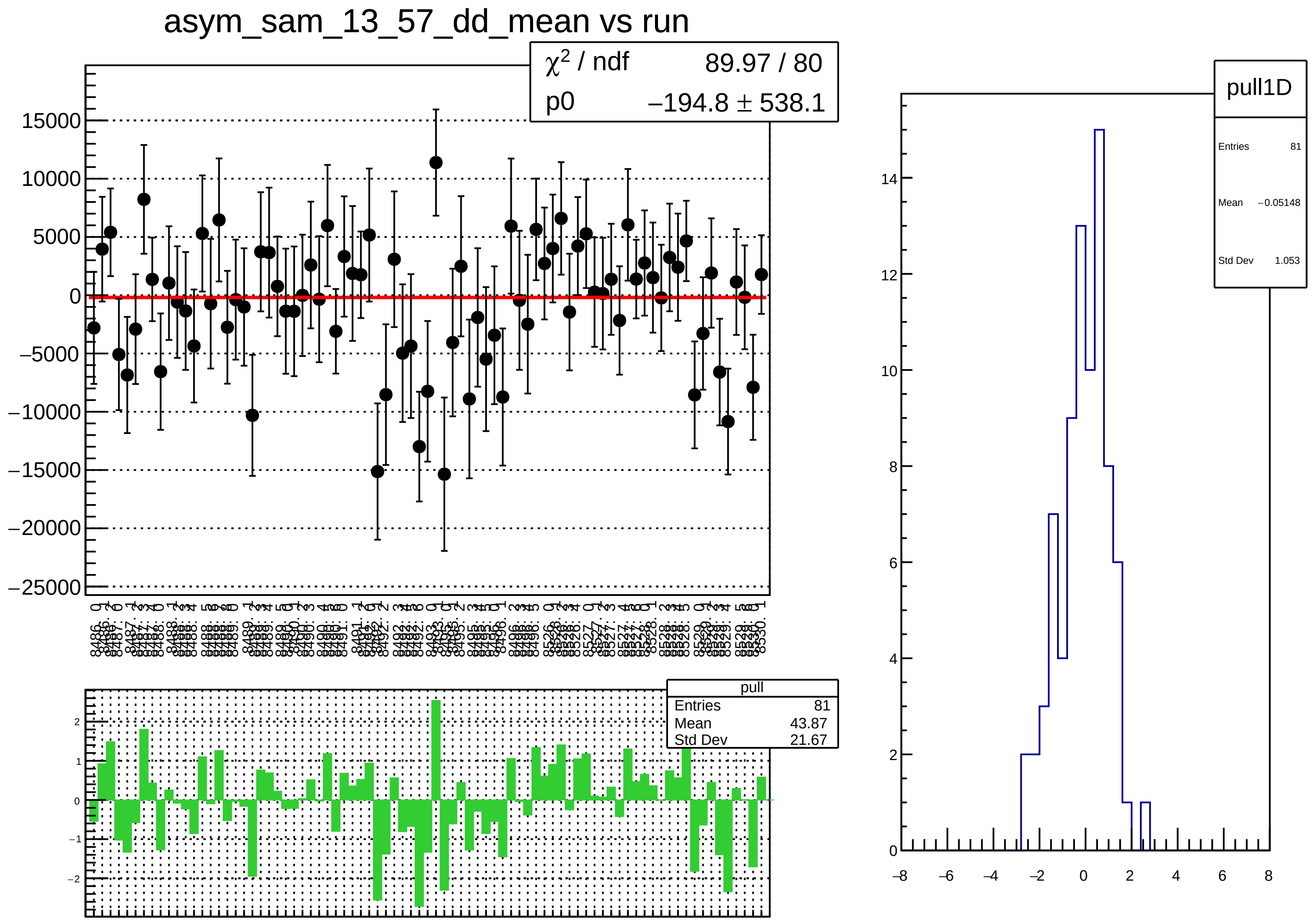
reg_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4085 / 80
p0 53.82 ± 0.04231
65
60
55
50
45



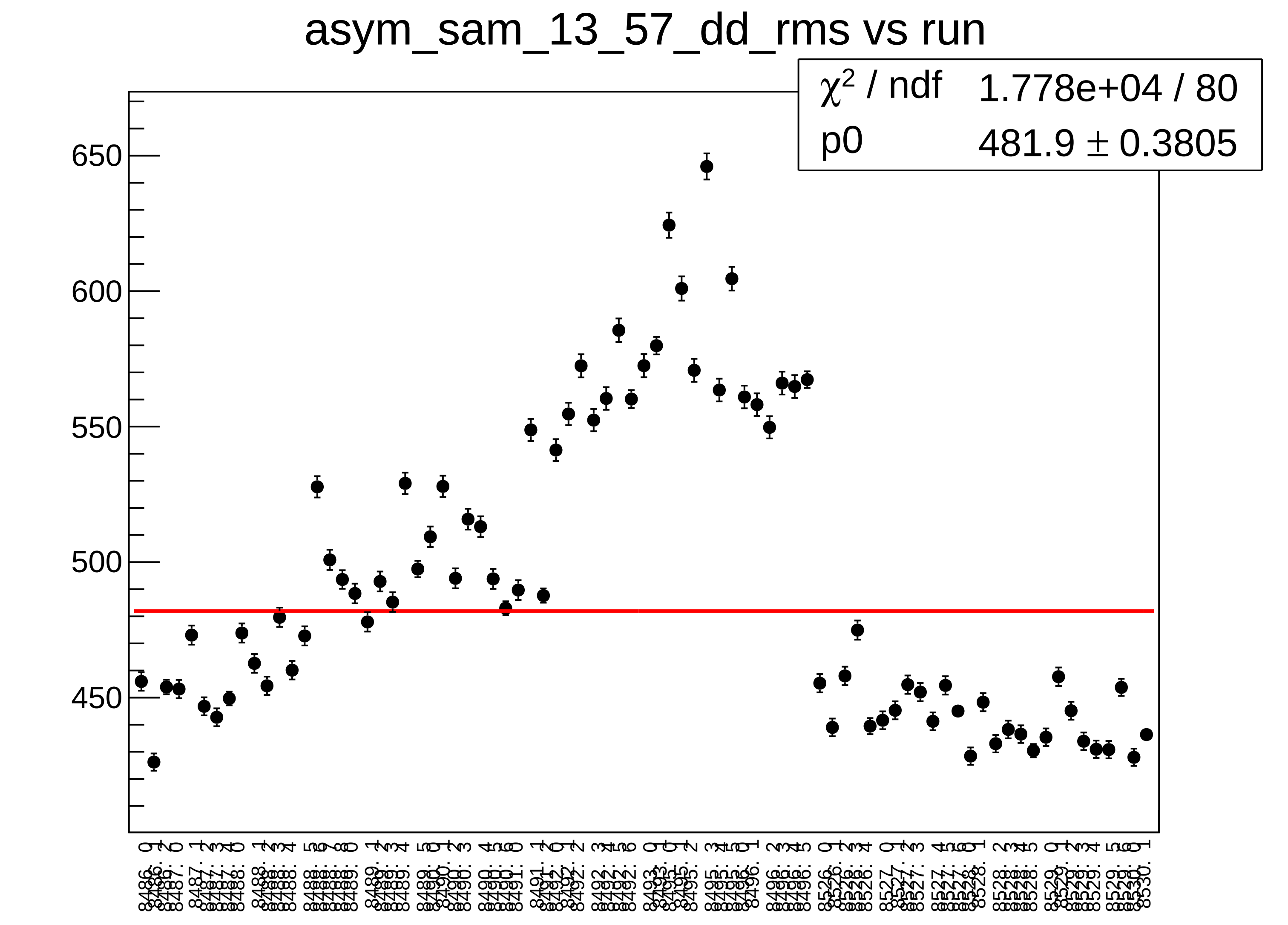
asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 92.7 / 80
p0 288.1 ± 534.6
pull
Entries 81
Mean 39.31
Std Dev 20.65
pull1D
Entries 81
Mean 0.05339
Std Dev 1.068

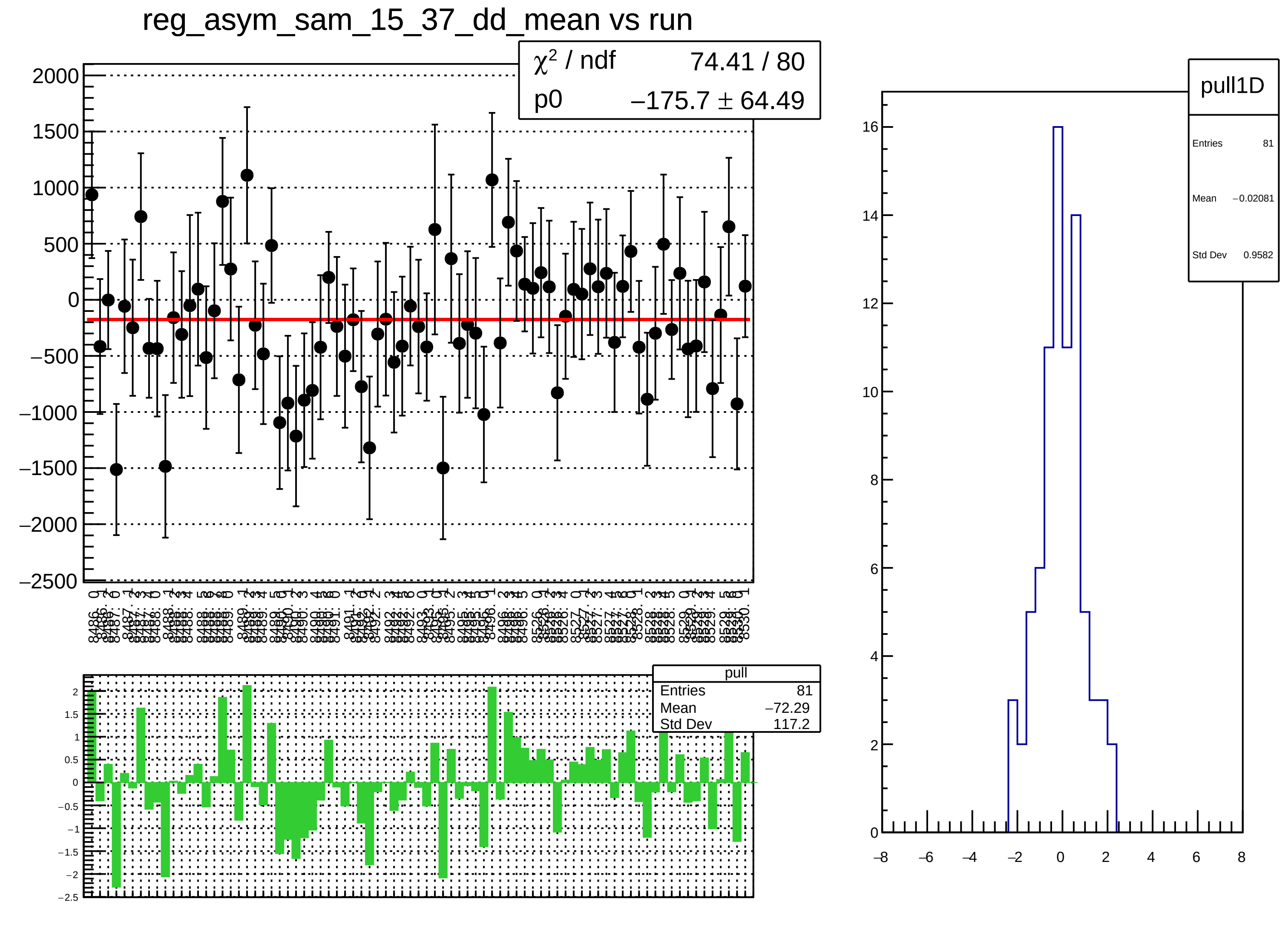


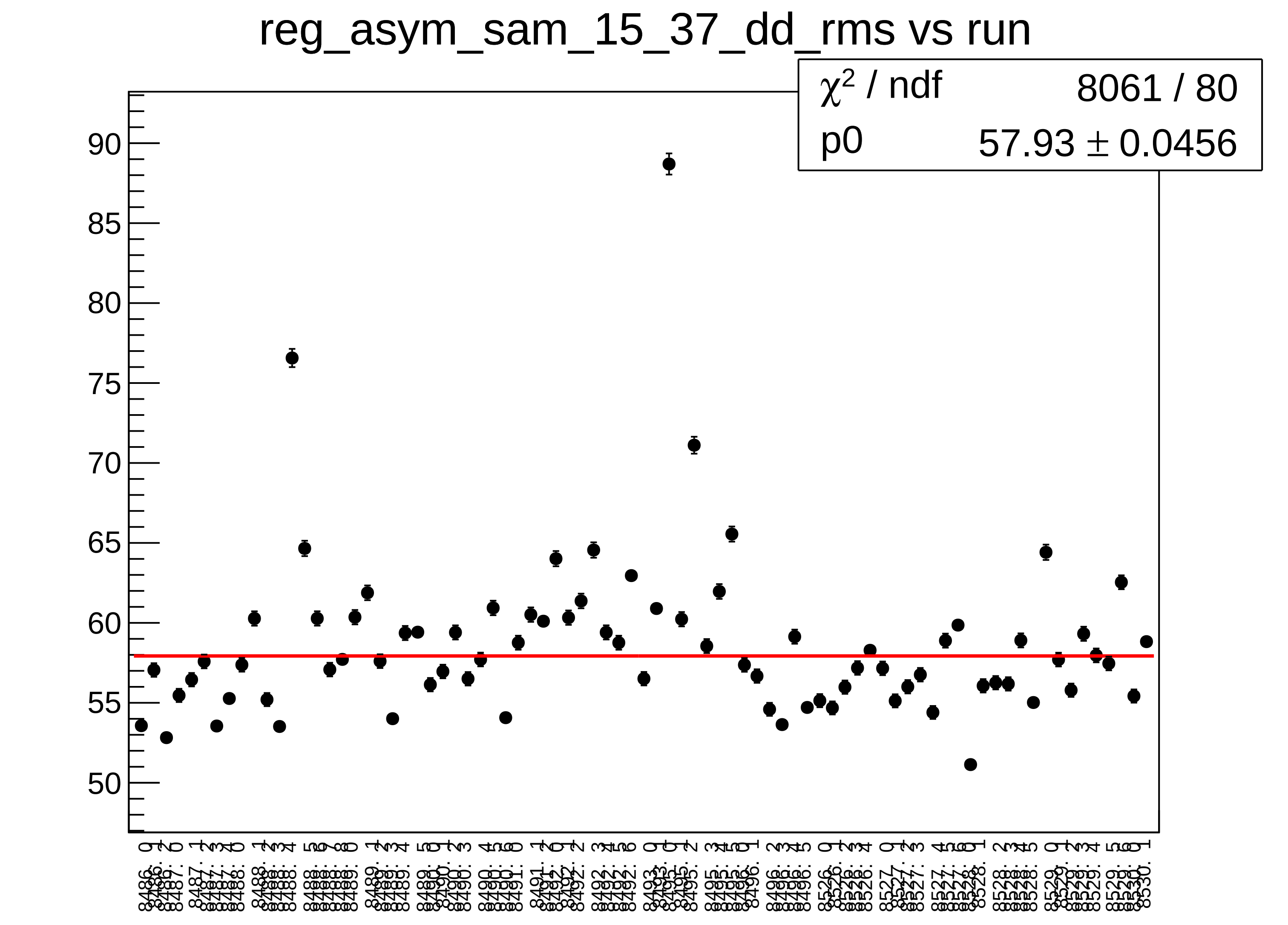
asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 1.817e+04 / 80
p0 478.7 ± 0.378
650
600
550
500
450
400

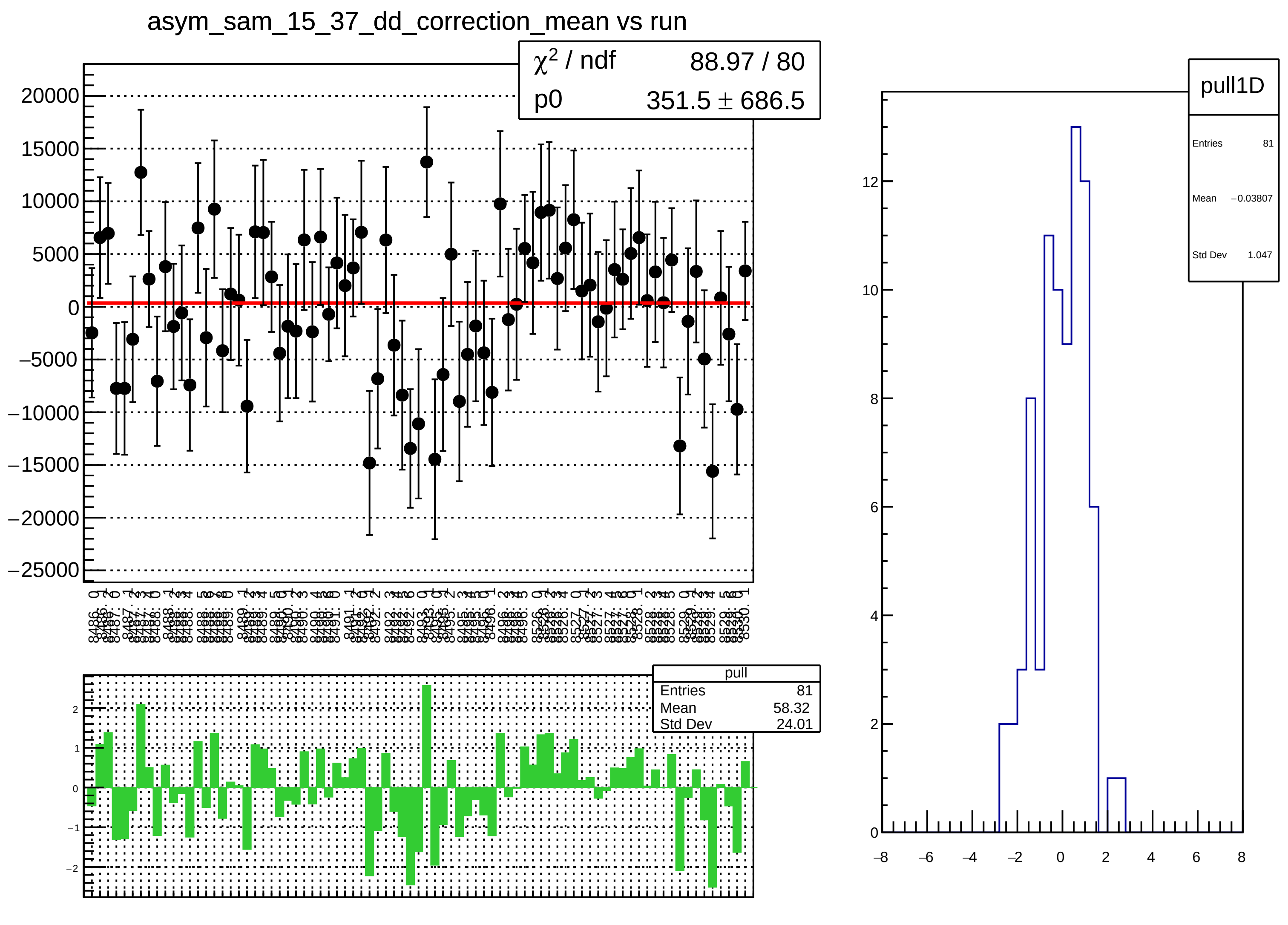


asym_sam_13_57_dd_mean vs run
χ2 / ndf 89.97 / 80
p0 −194.8 ± 538.1
pull
Entries 81
Mean 43.87
Std Dev 21.67
pull1D
Entries 81
Mean −0.05148
Std Dev 1.053

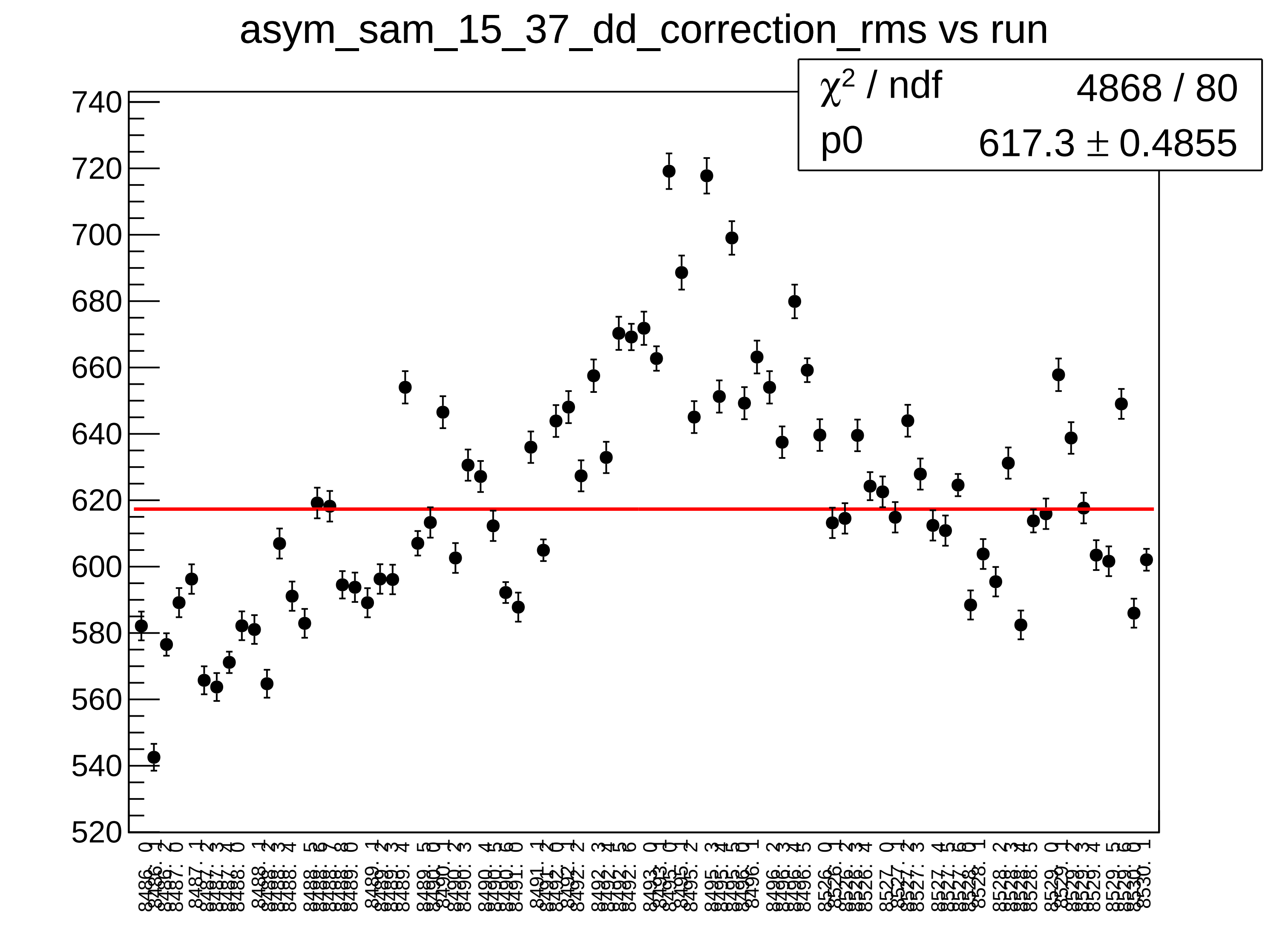

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.778e+04 / 80
p0 481.9 ± 0.3805
650
600
550
500
450

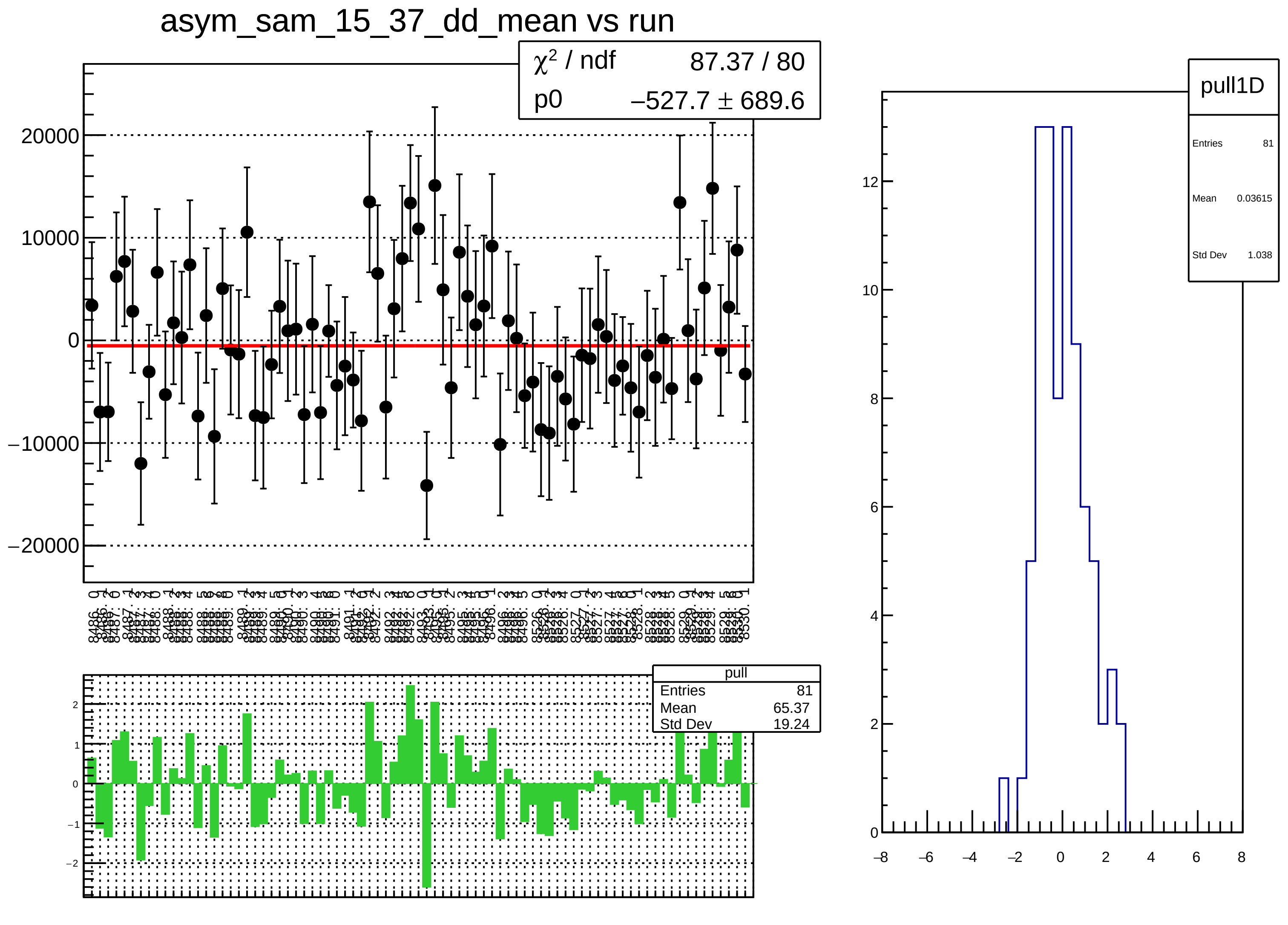

reg_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 74.41 / 80
p0 −175.7 ± 64.49
pull
Entries 81
Mean −72.29
Std Dev 117.2
pull1D
Entries 81
Mean −0.02081
Std Dev 0.9582


reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 8061 / 80
p0 57.93 ± 0.0456
90
85
80
75
70
65
60
55
50

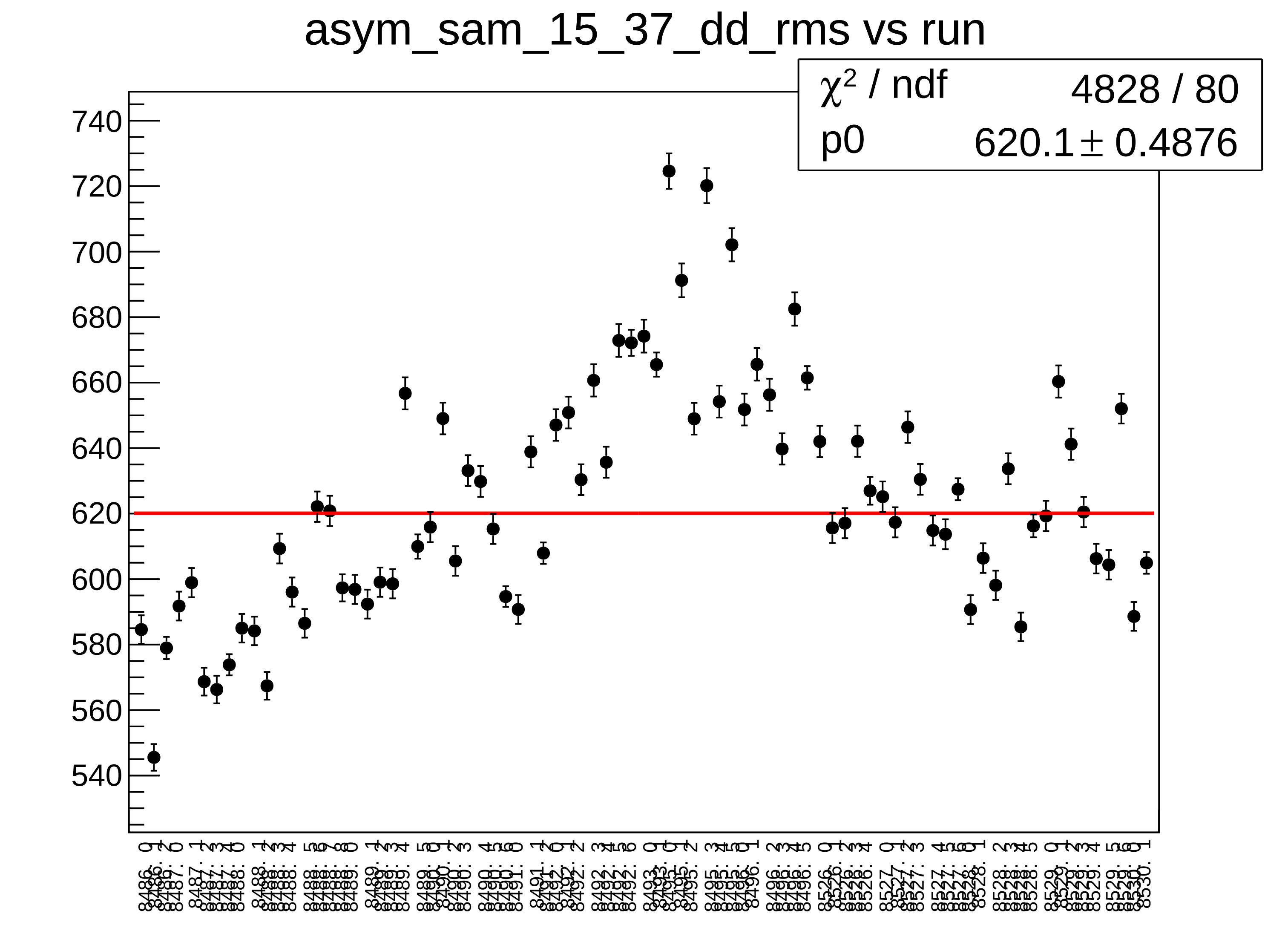


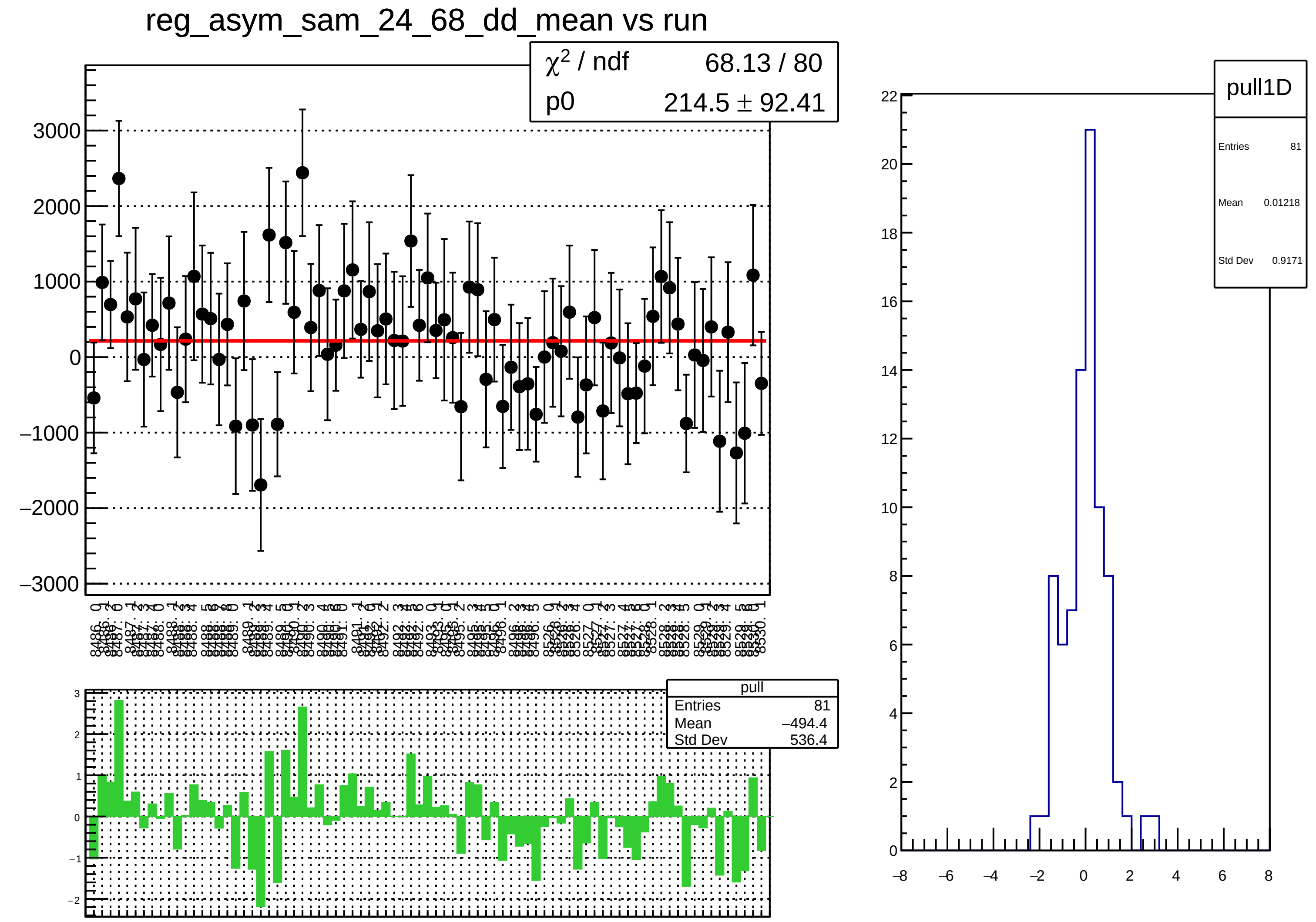
asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 88.97 / 80
p0 351.5 ± 686.5
pull
Entries 81
Mean 58.32
Std Dev 24.01
pull1D
Entries 81
Mean −0.03807
Std Dev 1.047


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 4868 / 80
p0 617.3 ± 0.4855
740
720
700
680
660
640
620
600
580
560
540
520

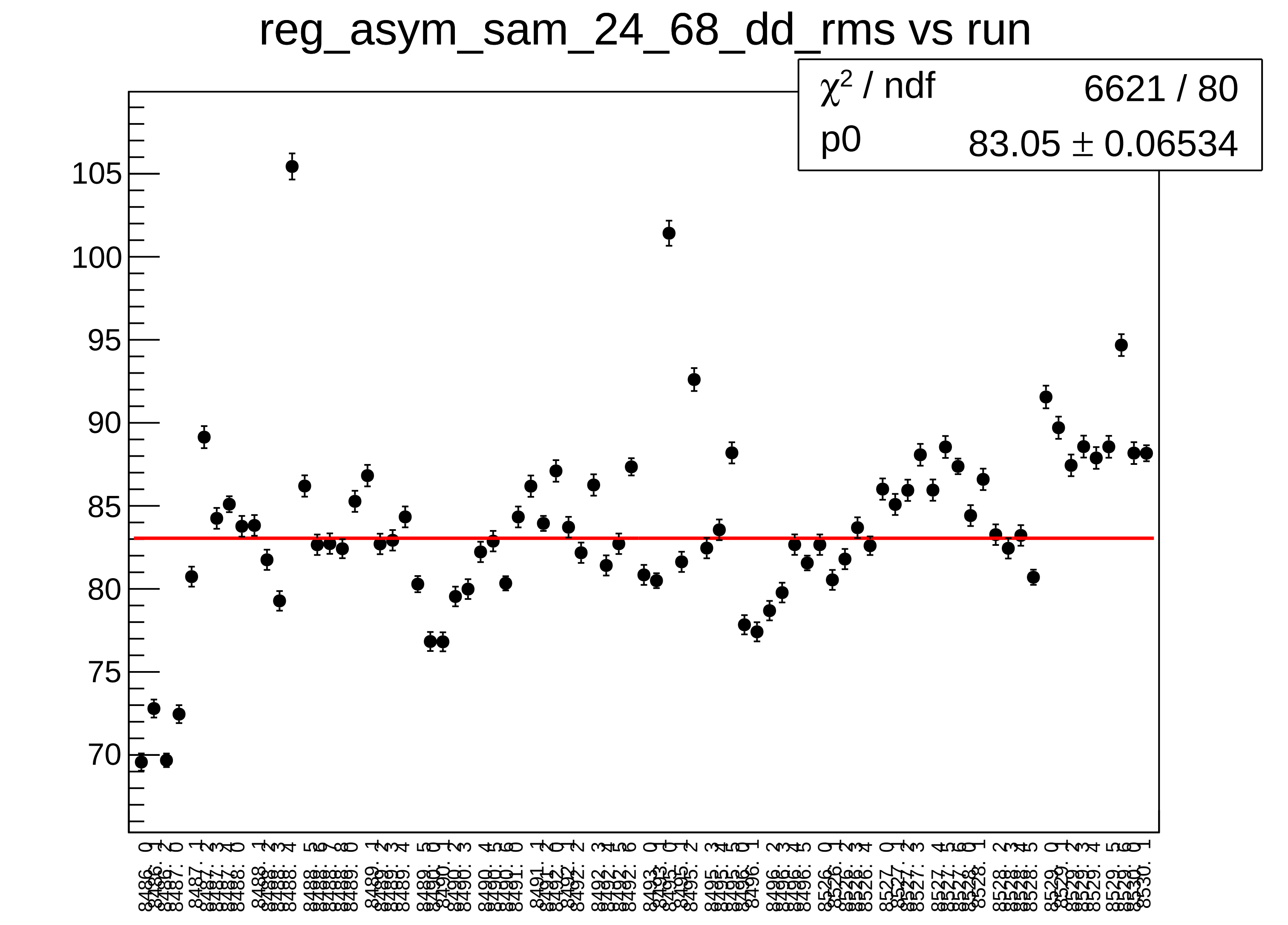


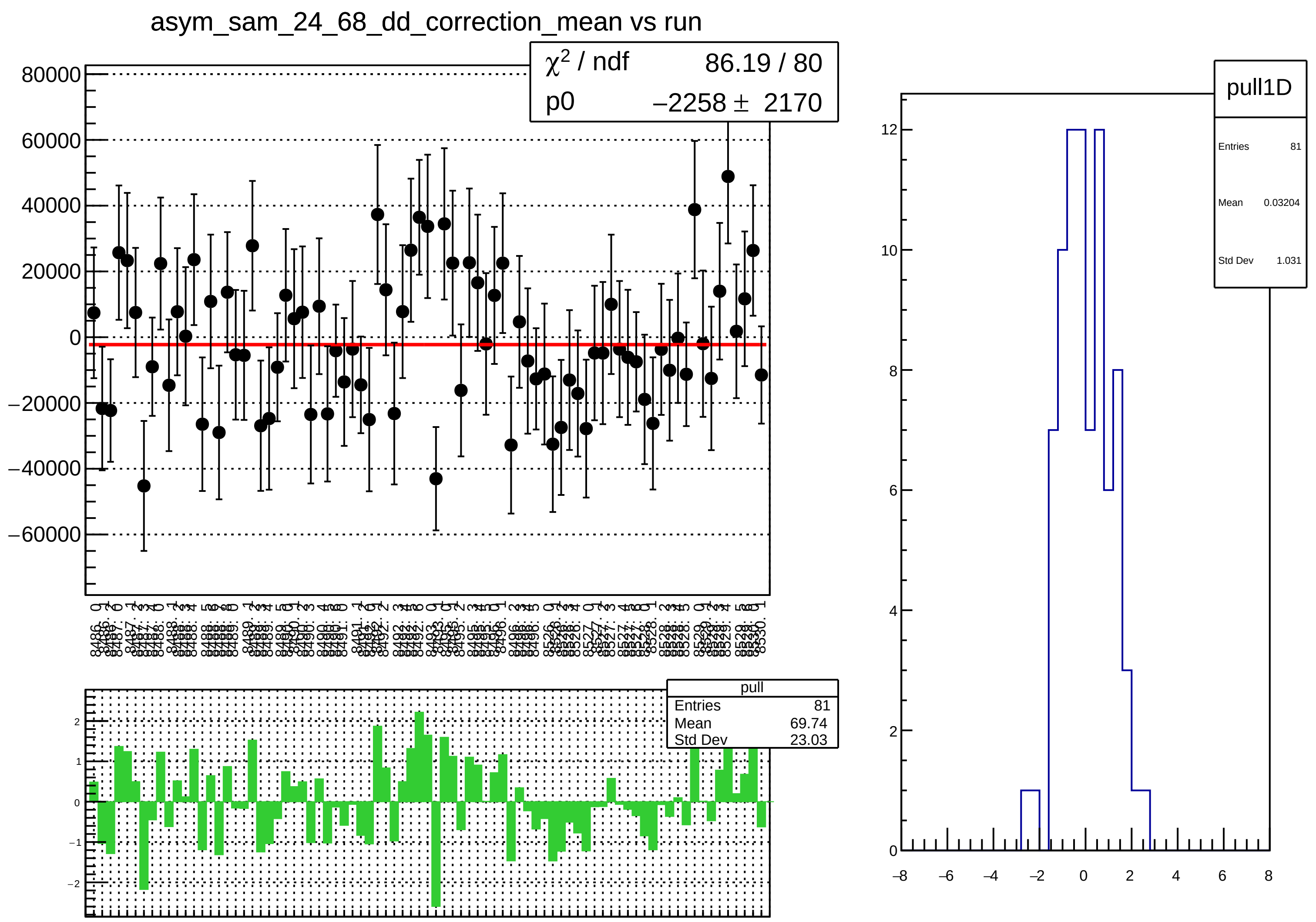
asym_sam_15_37_dd_mean vs run
χ^2 / ndf 87.37 / 80
p0 −527.7 ± 689.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 65.37
Std Dev 19.24
pull1D
Entries 81
Mean 0.03615
Std Dev 1.038


asym_sam_15_37_dd_rms vs run
χ2 / ndf 4828 / 80
p0 620.1 ± 0.4876

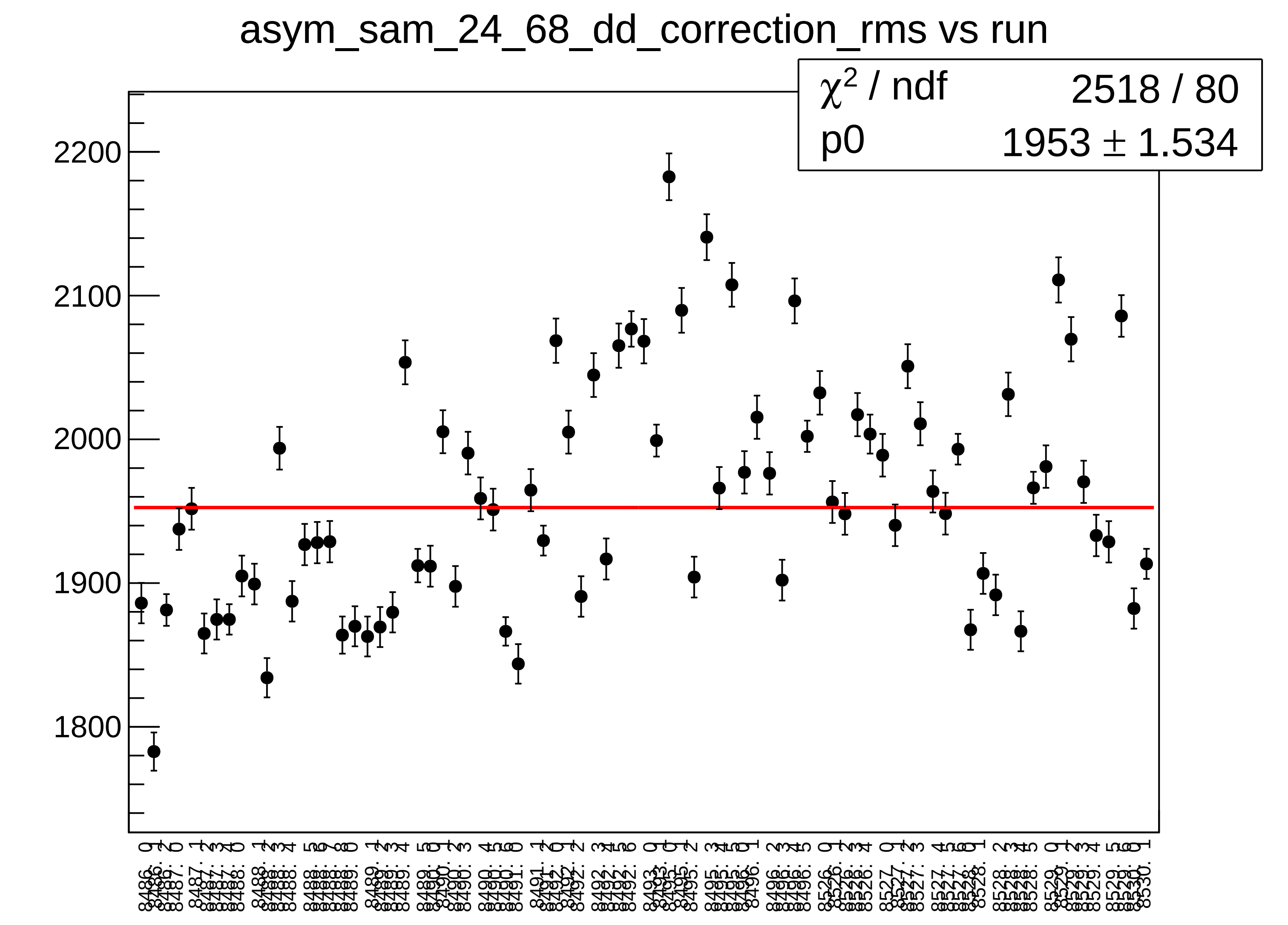


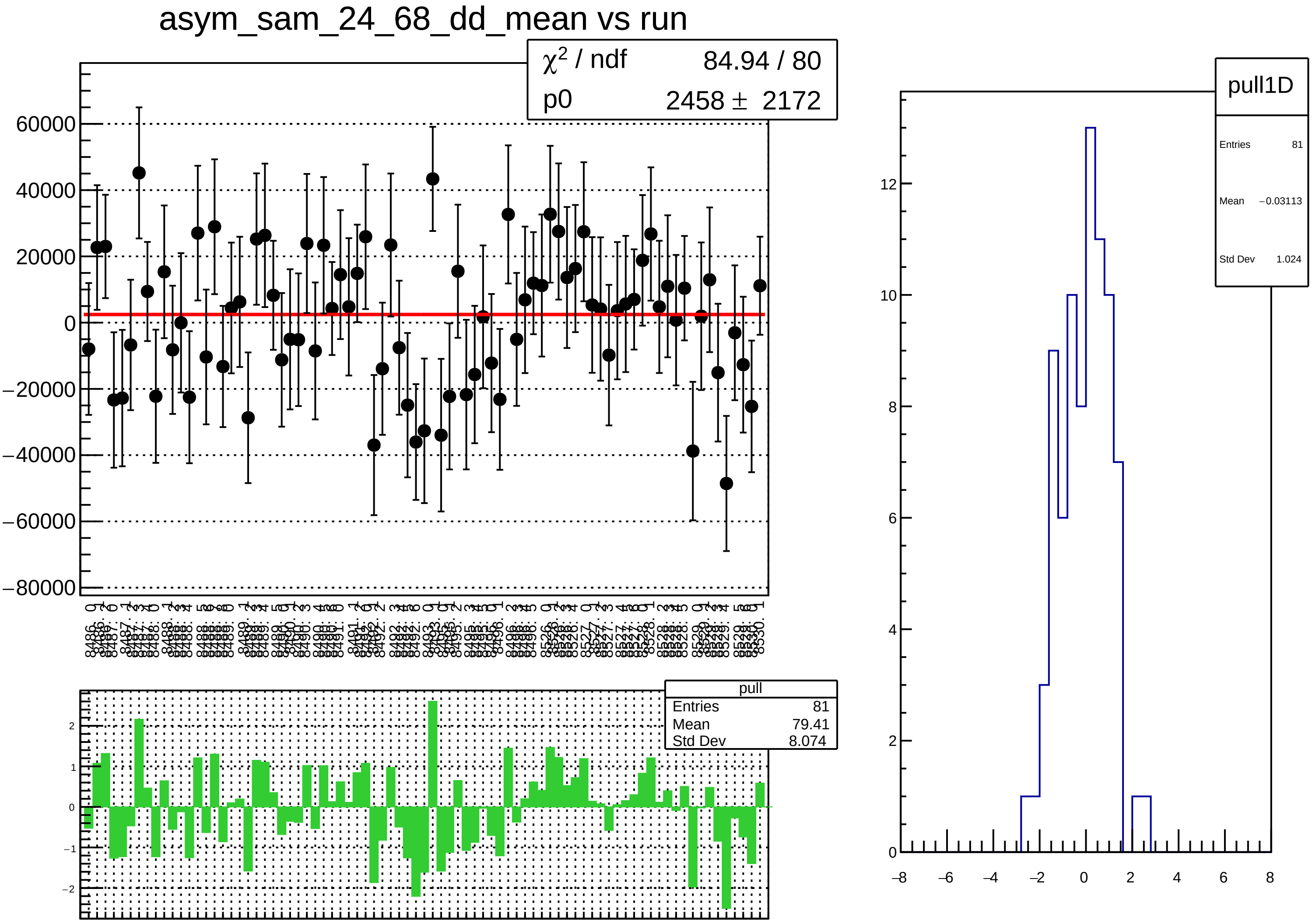
reg_asym_sam_24_68_dd_mean vs run
χ2 / ndf 68.13 / 80
p0 214.5 ± 92.41
pull
Entries 81
Mean −494.4
Std Dev 536.4
pull1D
Entries 81
Mean 0.01218
Std Dev 0.9171


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 6621 / 80
p0 83.05 ± 0.06534
105
100
95
90
85
80
75
70

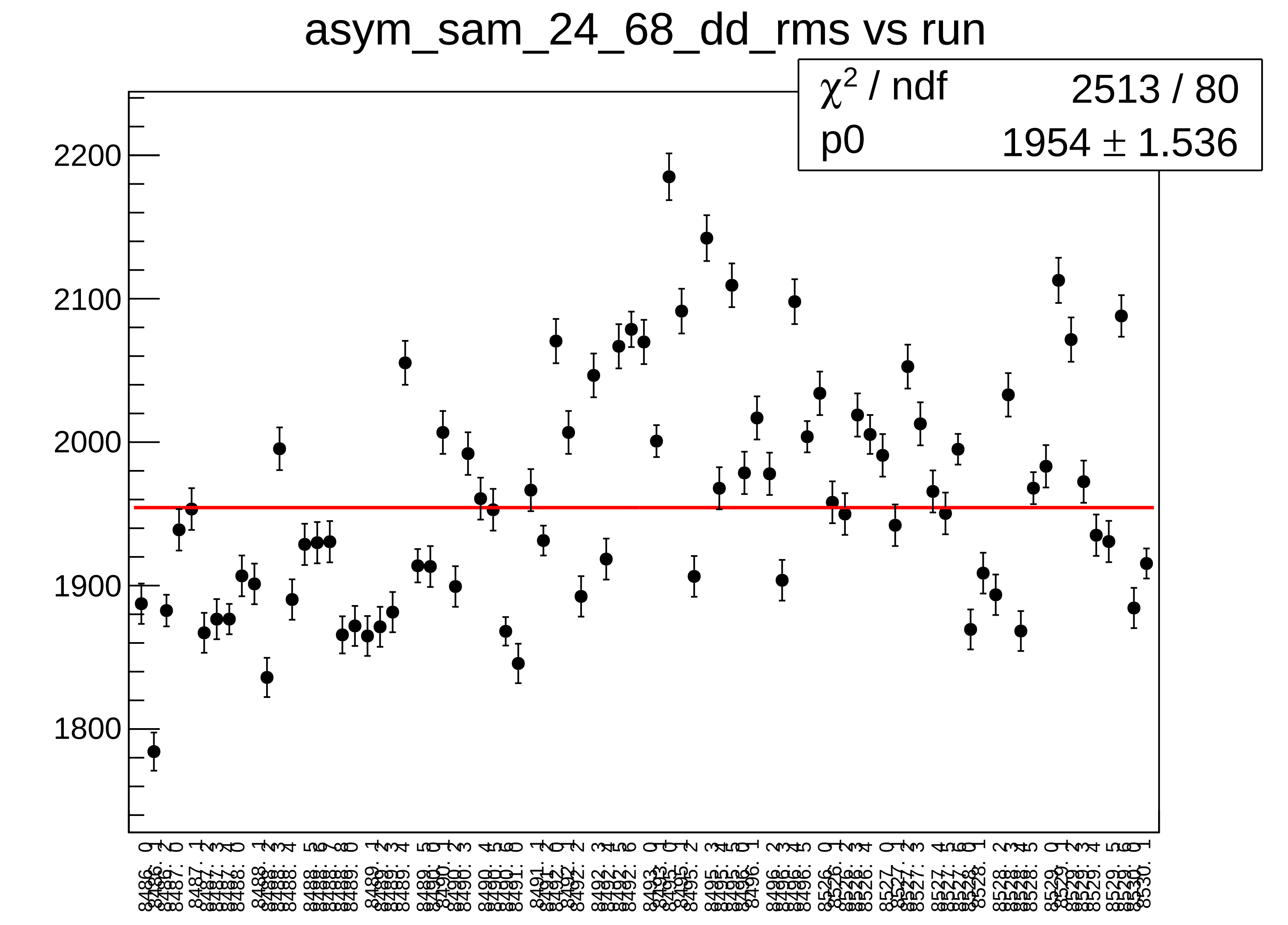


asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 86.19 / 80
p0 −2258 ± 2170
pull
Entries 81
Mean 69.74
Std Dev 23.03
pull1D
Entries 81
Mean 0.03204
Std Dev 1.031

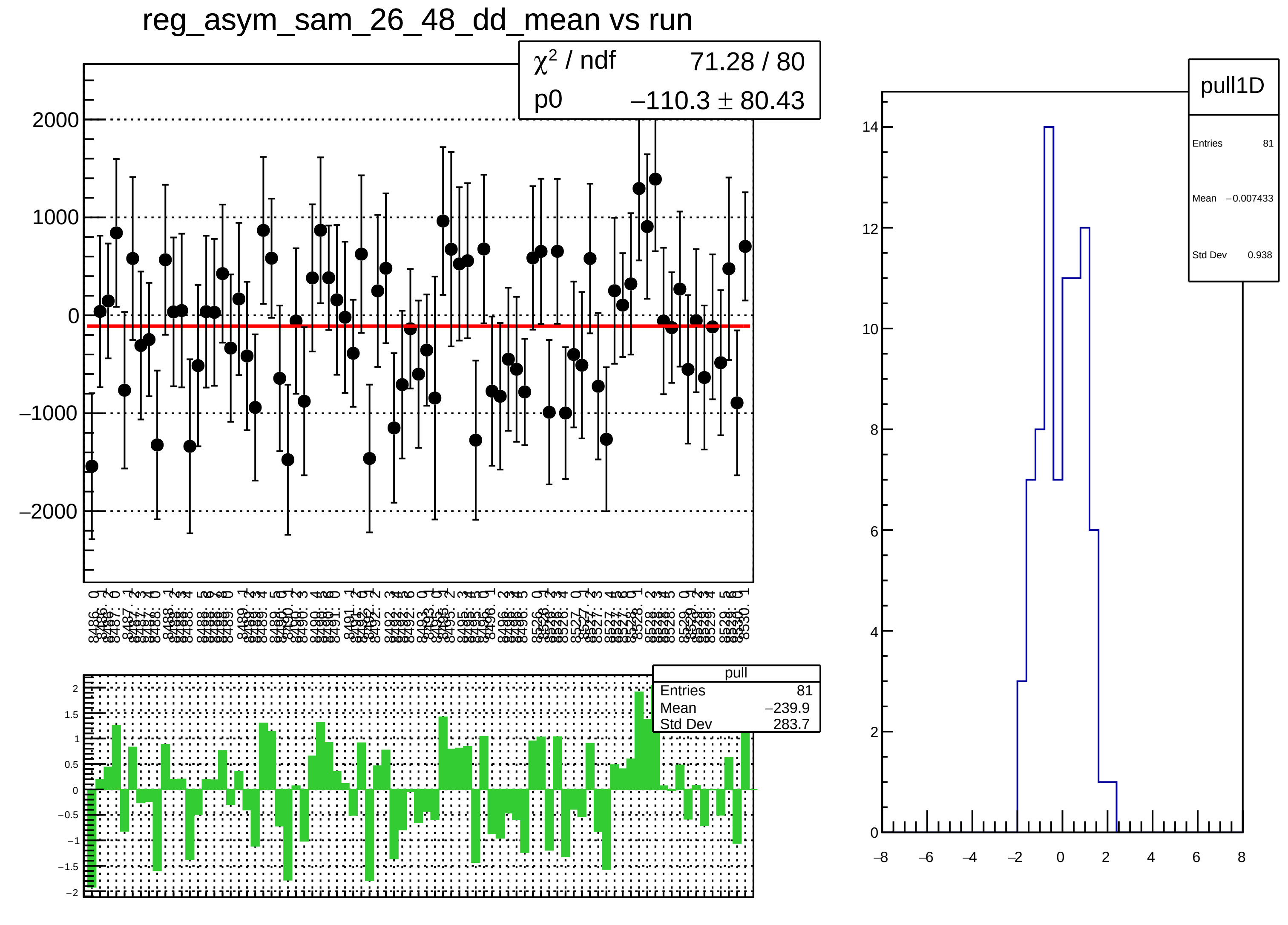

asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 2518 / 80
p0 1953 ± 1.534
2200
2100
2000
1900
1800



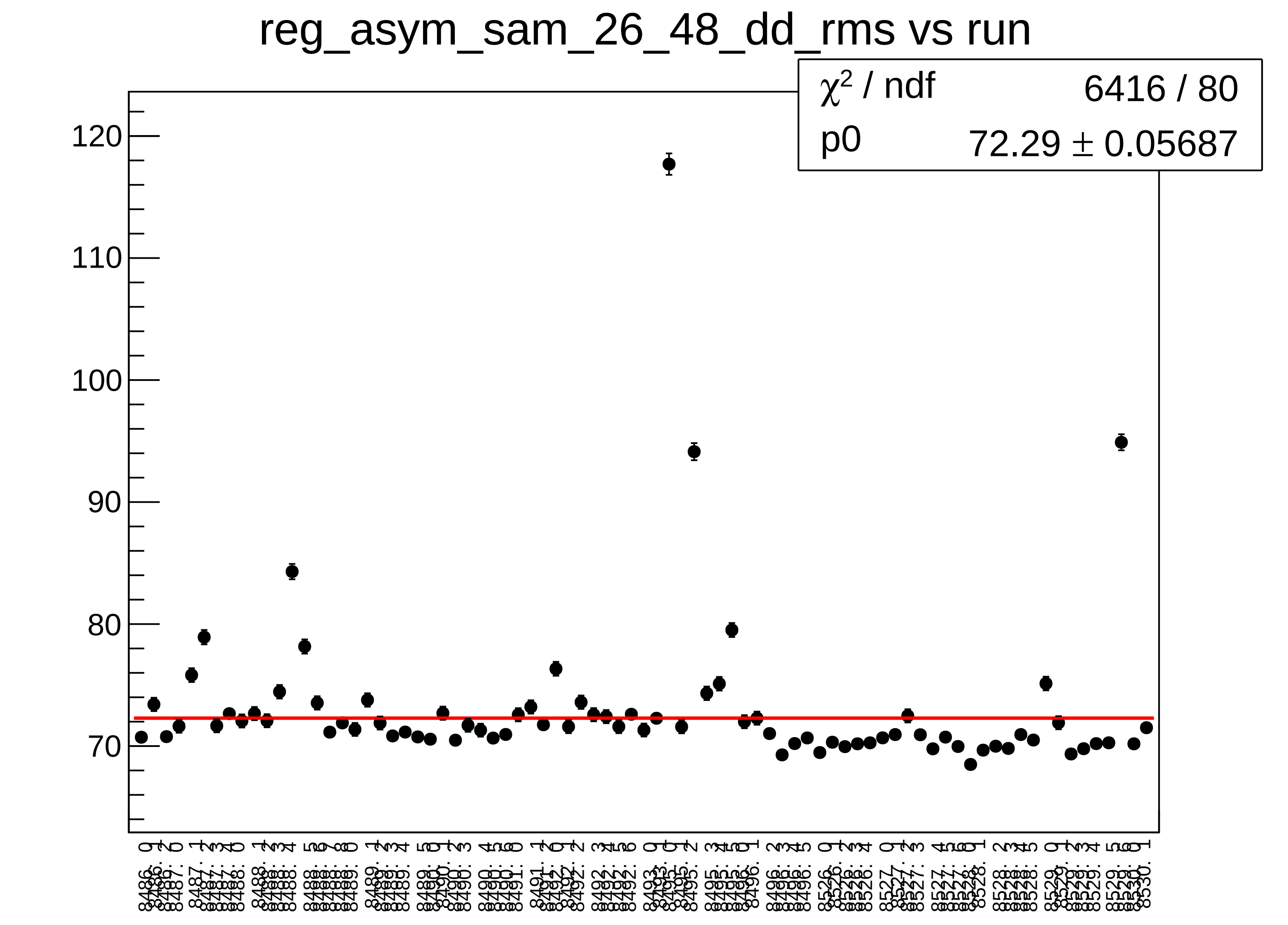
asym_sam_24_68_dd_mean vs run
χ^2 / ndf 84.94 / 80
p0 2458 ± 2172
pull
Entries 81
Mean 79.41
Std Dev 8.074
pull1D
Entries 81
Mean −0.03113
Std Dev 1.024



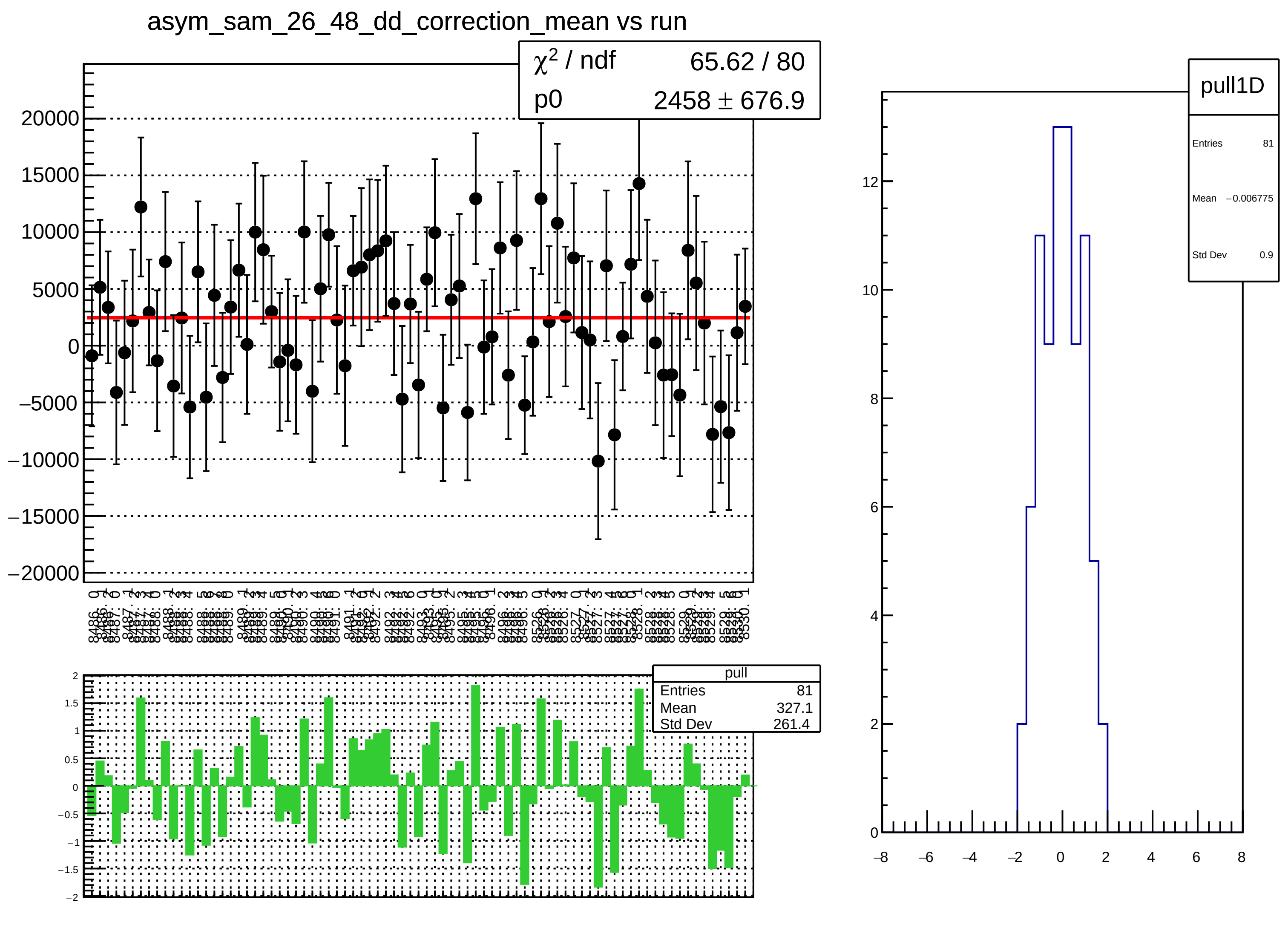
asym_sam_24_68_dd_rms vs run
χ^2 / ndf 2513 / 80
p0 1954 ± 1.536
2200
2100
2000
1900
1800



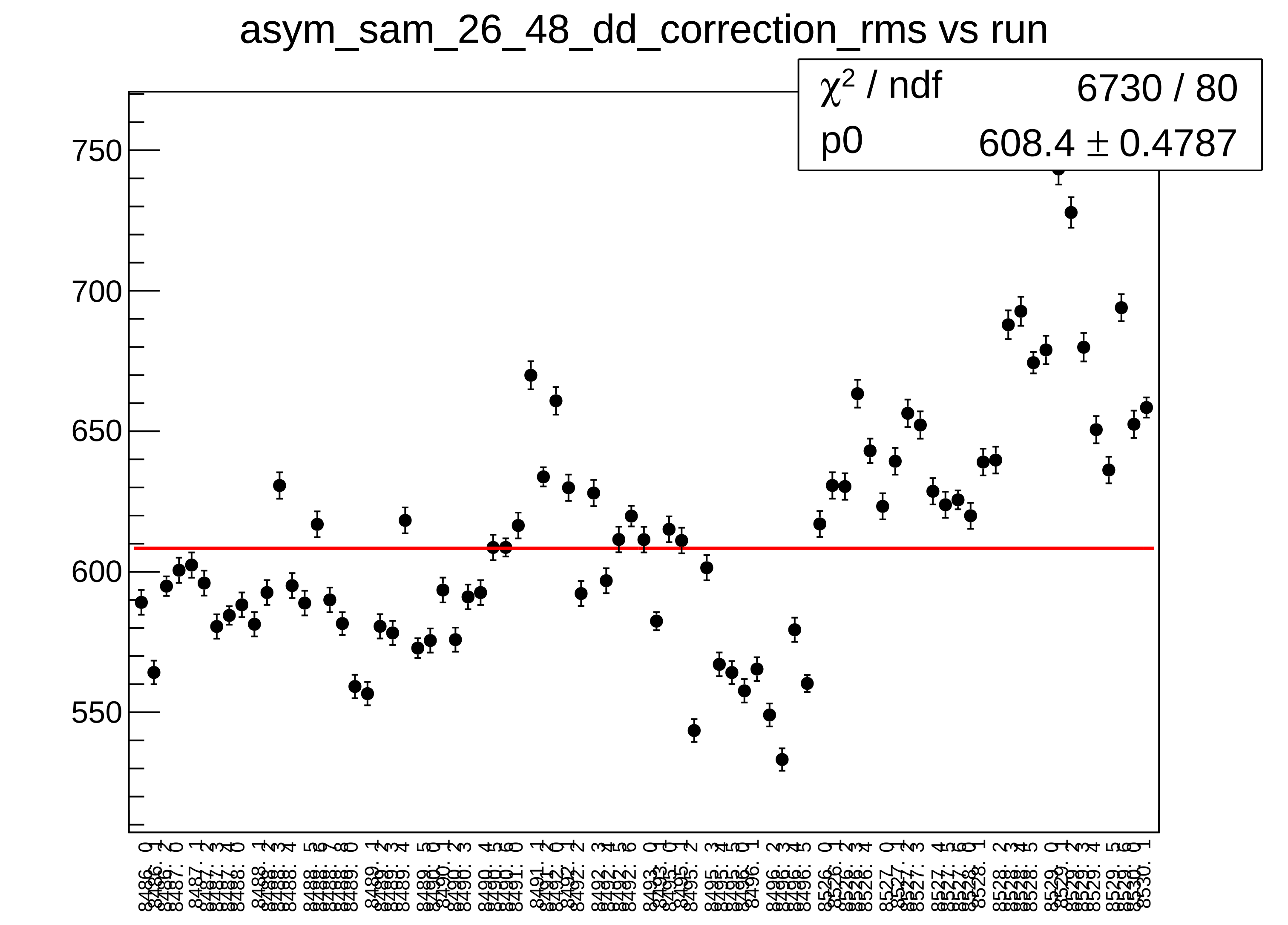
reg_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 71.28 / 80
p0 −110.3 ± 80.43
pull
Entries 81
Mean −239.9
Std Dev 283.7
pull1D
Entries 81
Mean −0.007433
Std Dev 0.938

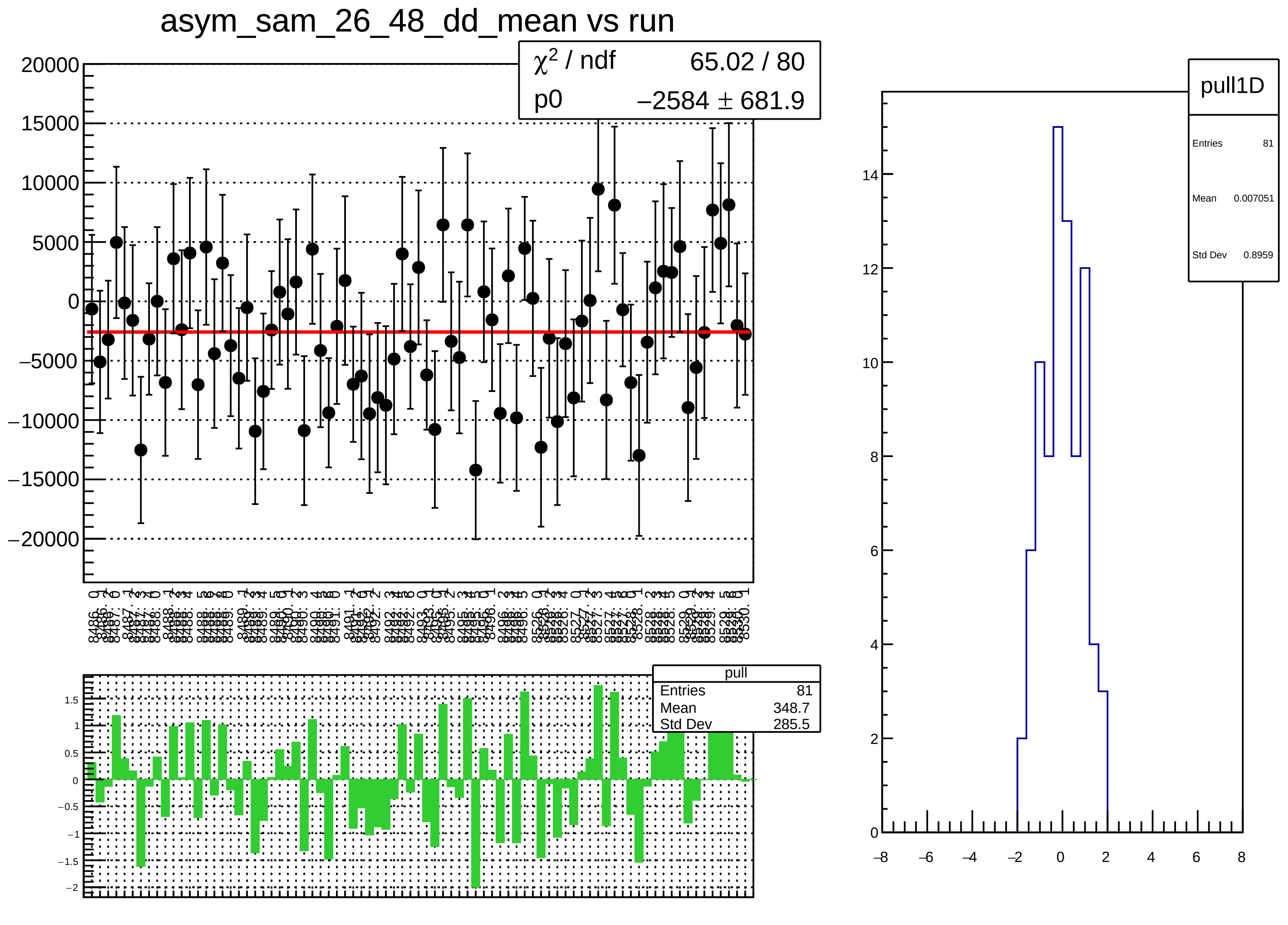


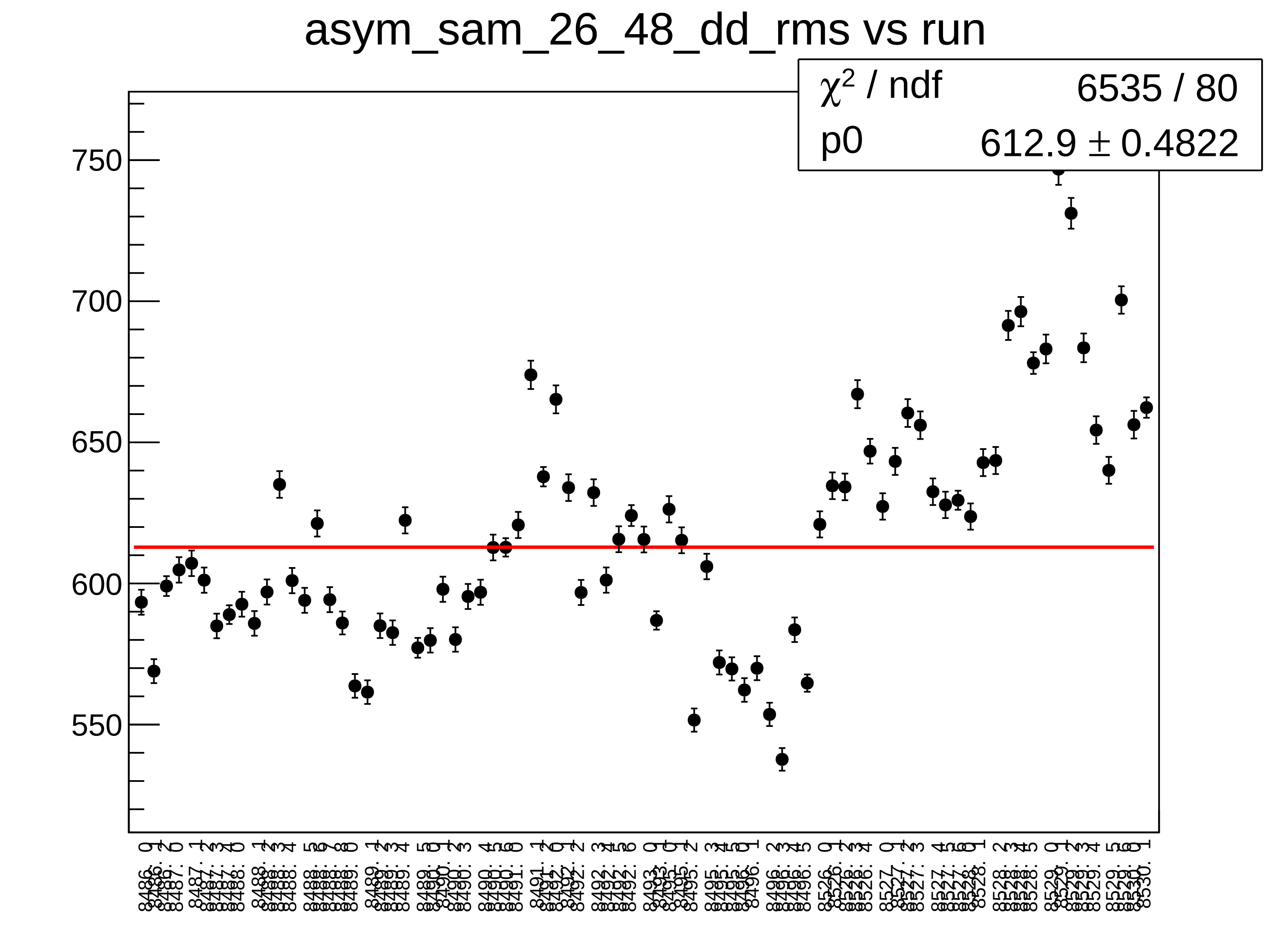
reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 6416 / 80
p0 72.29 ± 0.05687
120
110
100
90
80
70



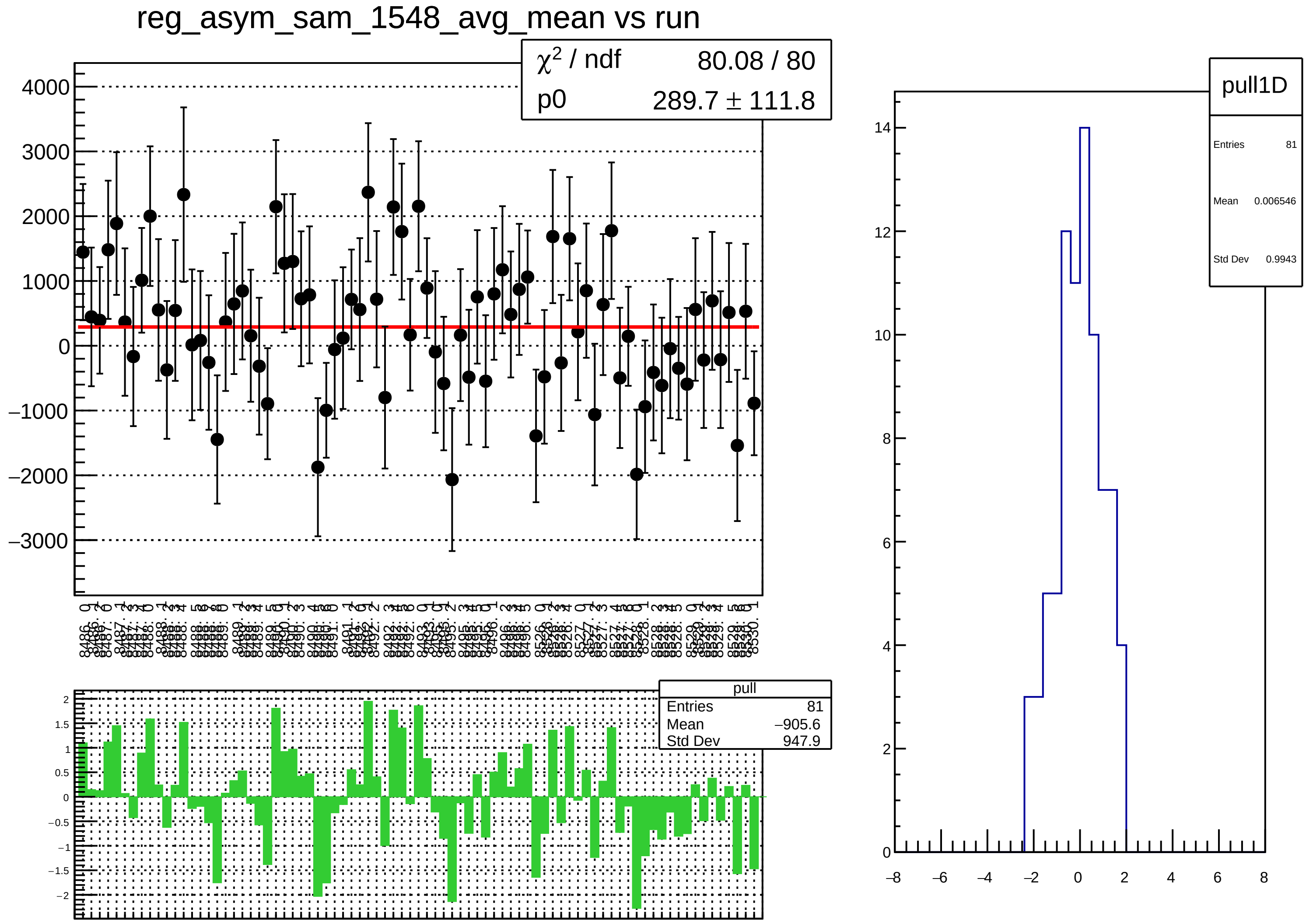
asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 65.62 / 80
p0 2458 ± 676.9
pull
Entries 81
Mean 327.1
Std Dev 261.4
pull1D
Entries 81
Mean −0.006775
Std Dev 0.9


asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 6730 / 80
p0 608.4 ± 0.4787
750
700
650
600
550

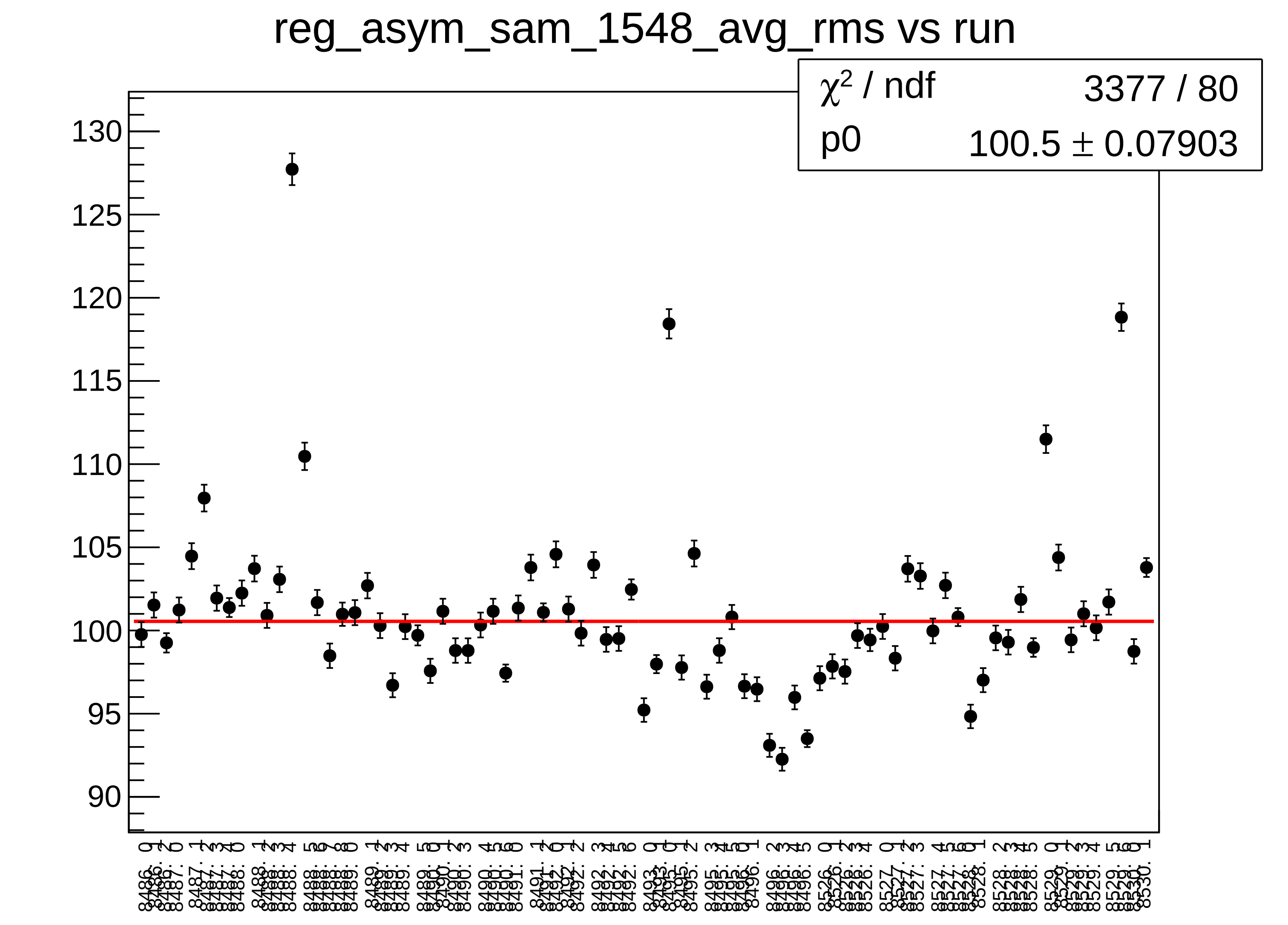

asym_sam_26_48_dd_mean vs run
χ2 / ndf 65.02 / 80
p0 −2584 ± 681.9
pull
Entries 81
Mean 348.7
Std Dev 285.5
pull1D
Entries 81
Mean 0.007051
Std Dev 0.8959



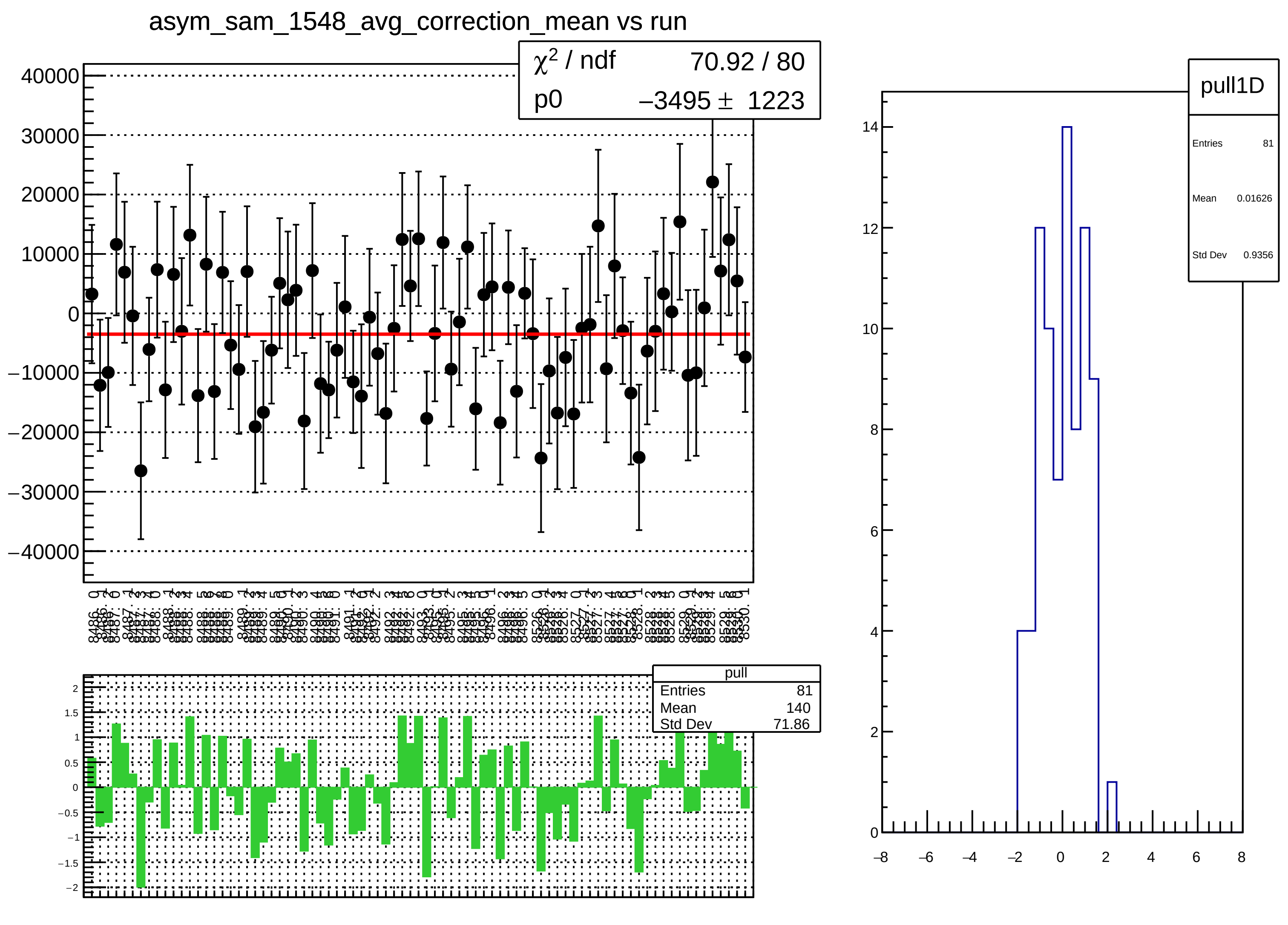
asym_sam_26_48_dd_rms vs run
χ2 / ndf 6535 / 80
p0 612.9 ± 0.4822
750
700
650
600
550



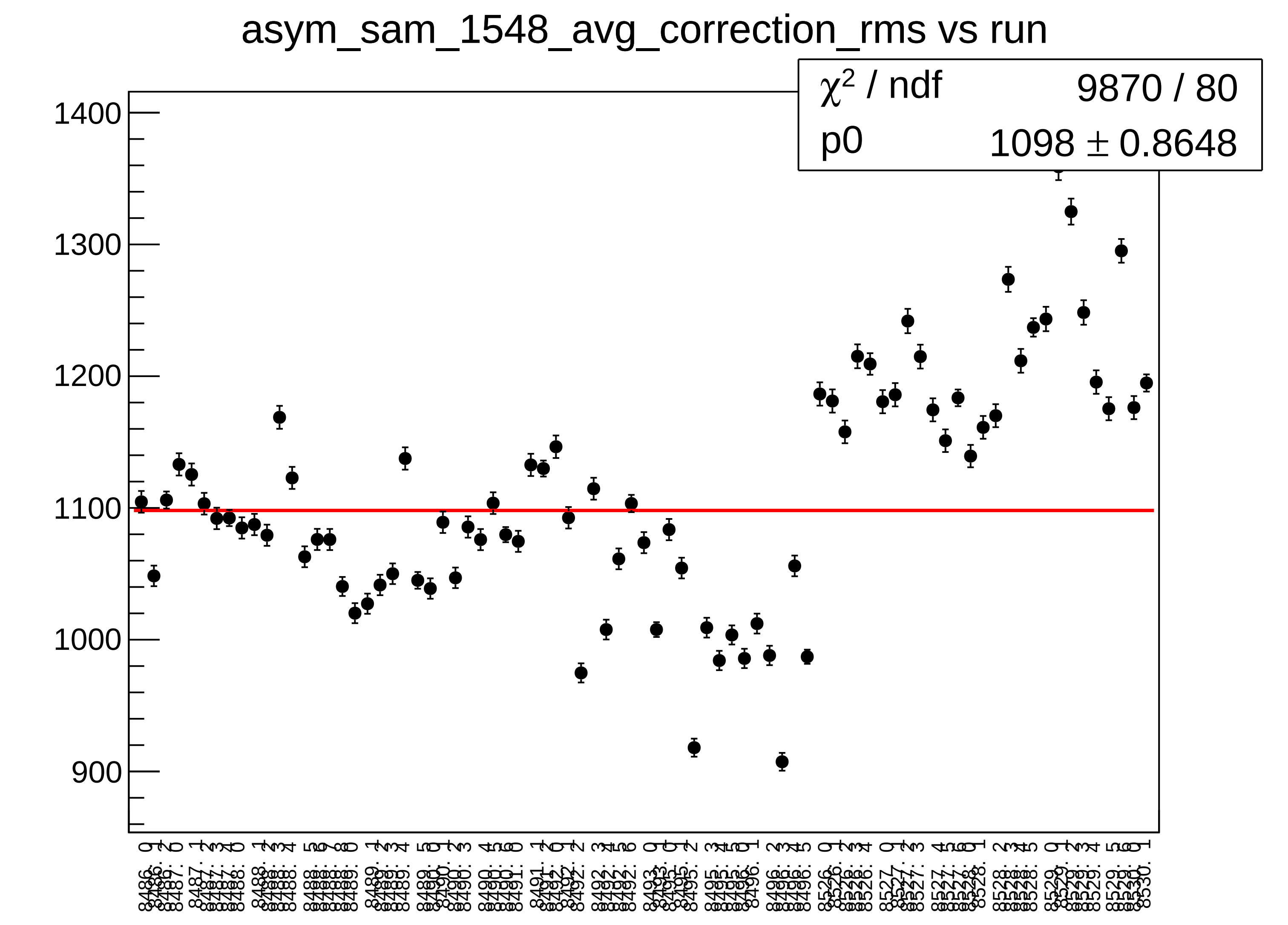
reg_asym_sam_1548_avg_mean vs run
χ^2 / ndf 80.08 / 80
p0 289.7 ± 111.8
pull
Entries 81
Mean −905.6
Std Dev 947.9
pull1D
Entries 81
Mean 0.006546
Std Dev 0.9943



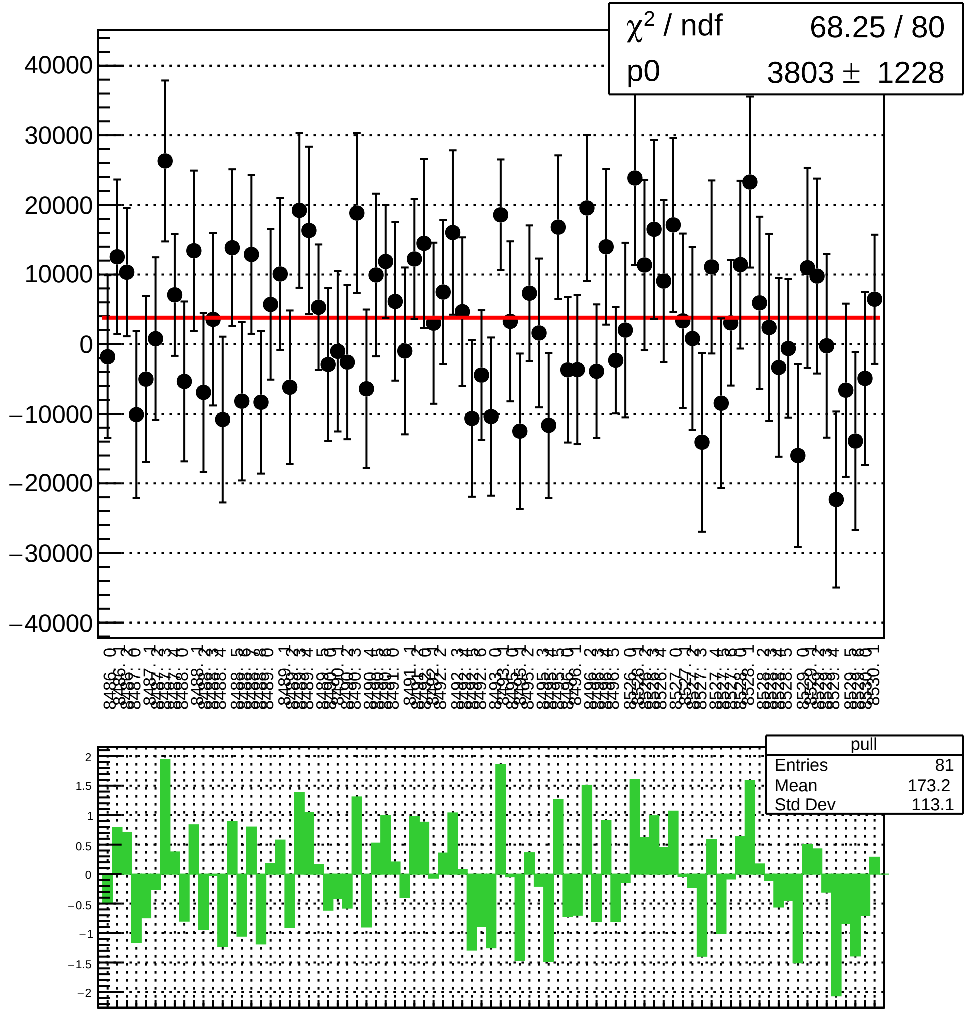
reg_asym_sam_1548_avg_rms vs run
χ^2 / ndf 3377 / 80
p0 100.5 ± 0.07903
130
125
120
115
110
105
100
95
90

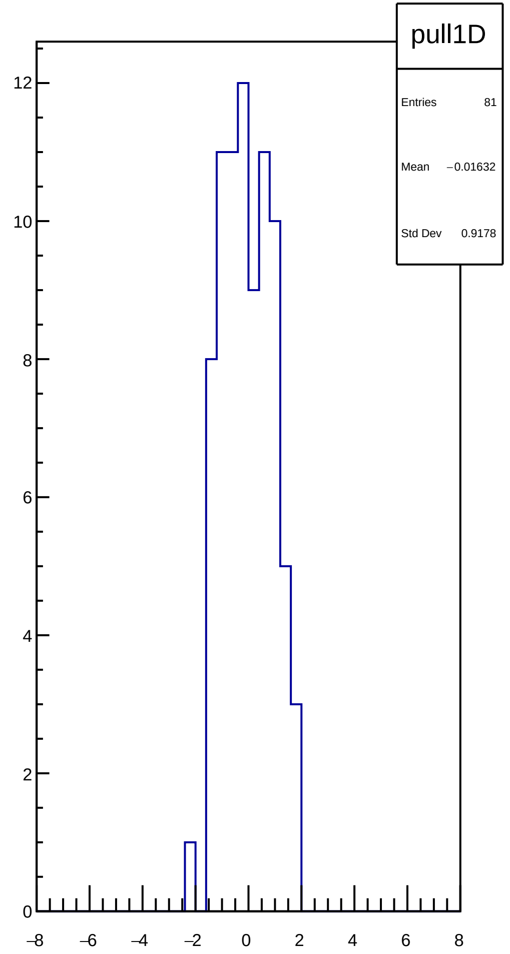


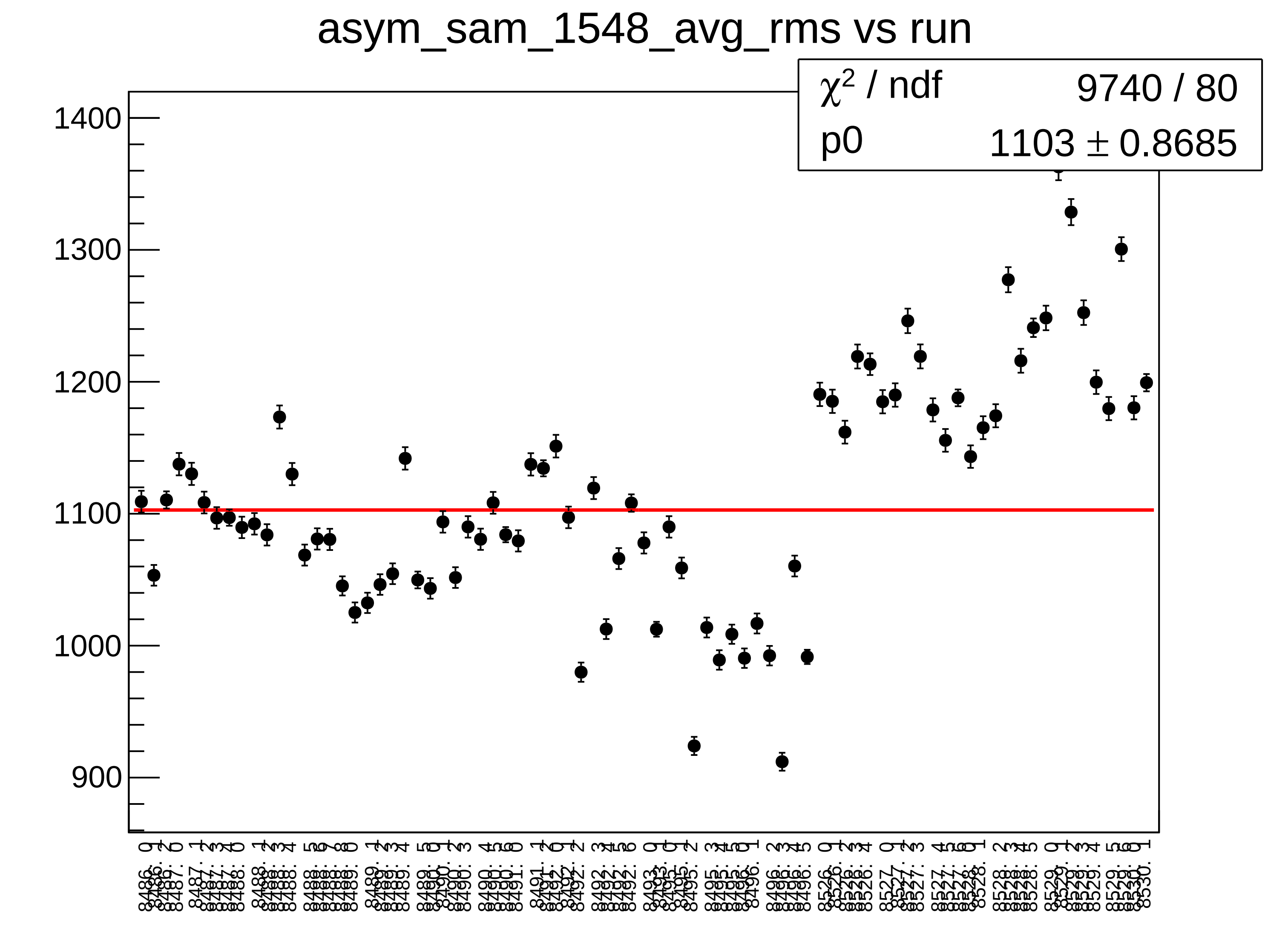
asym_sam_1548_avg_correction_mean vs run
χ^2 / ndf 70.92 / 80
p0 −3495 ± 1223
pull
Entries 81
Mean 140
Std Dev 71.86
pull1D
Entries 81
Mean 0.01626
Std Dev 0.9356


asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 9870 / 80
p0 1098 ± 0.8648
1400
1300
1200
1100
1000
900

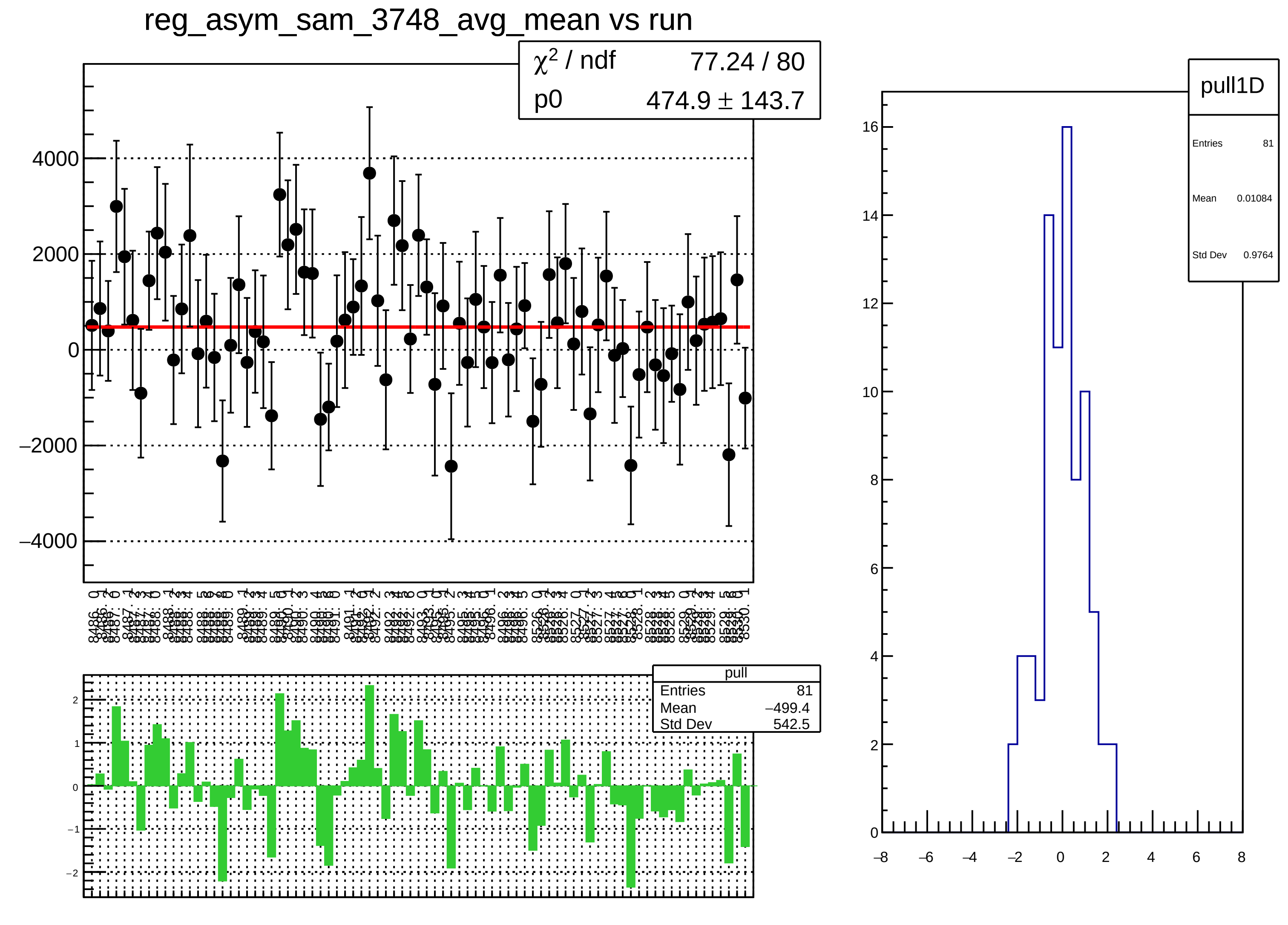
asym_sam_1548_avg_mean vs run



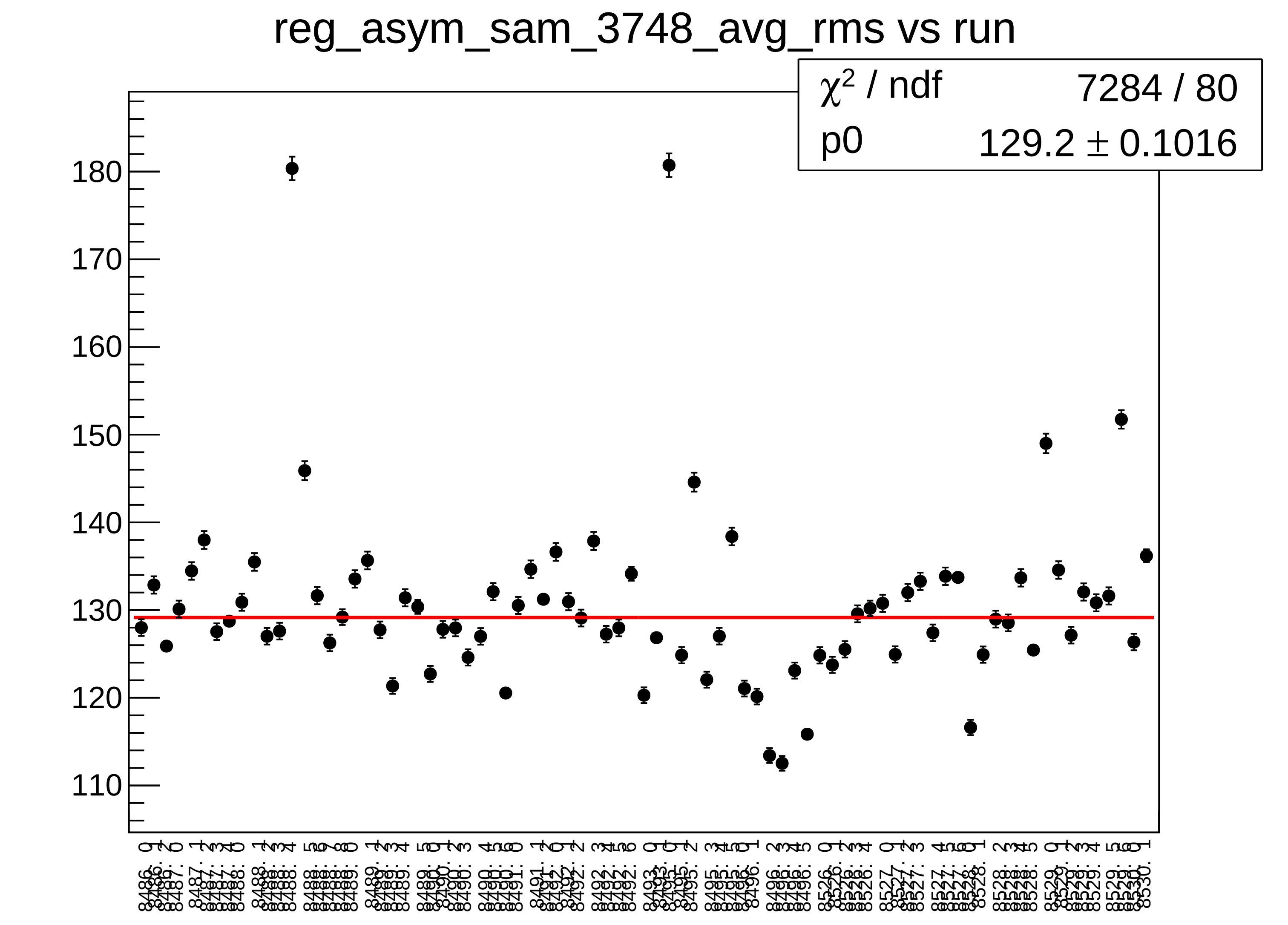


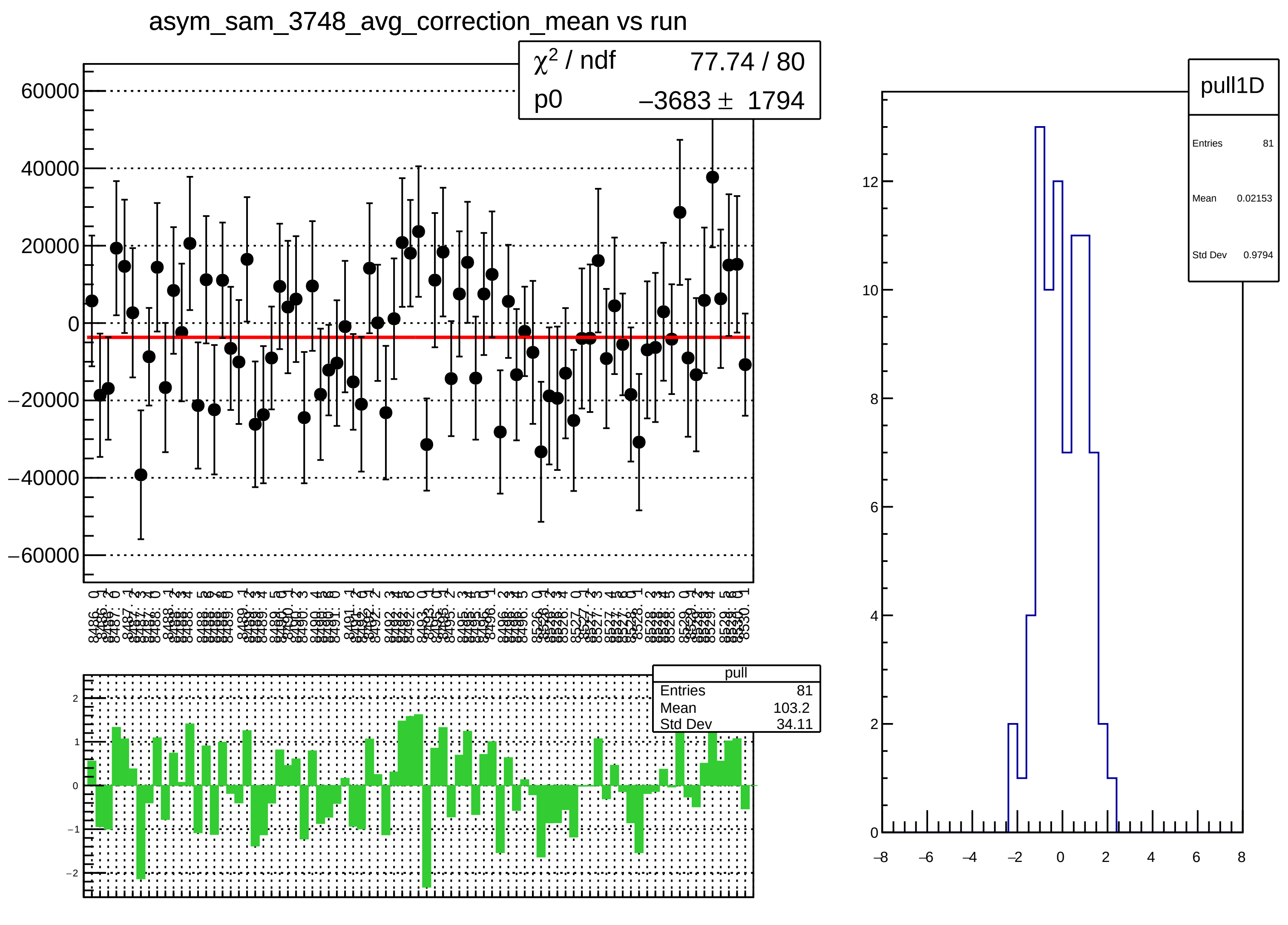


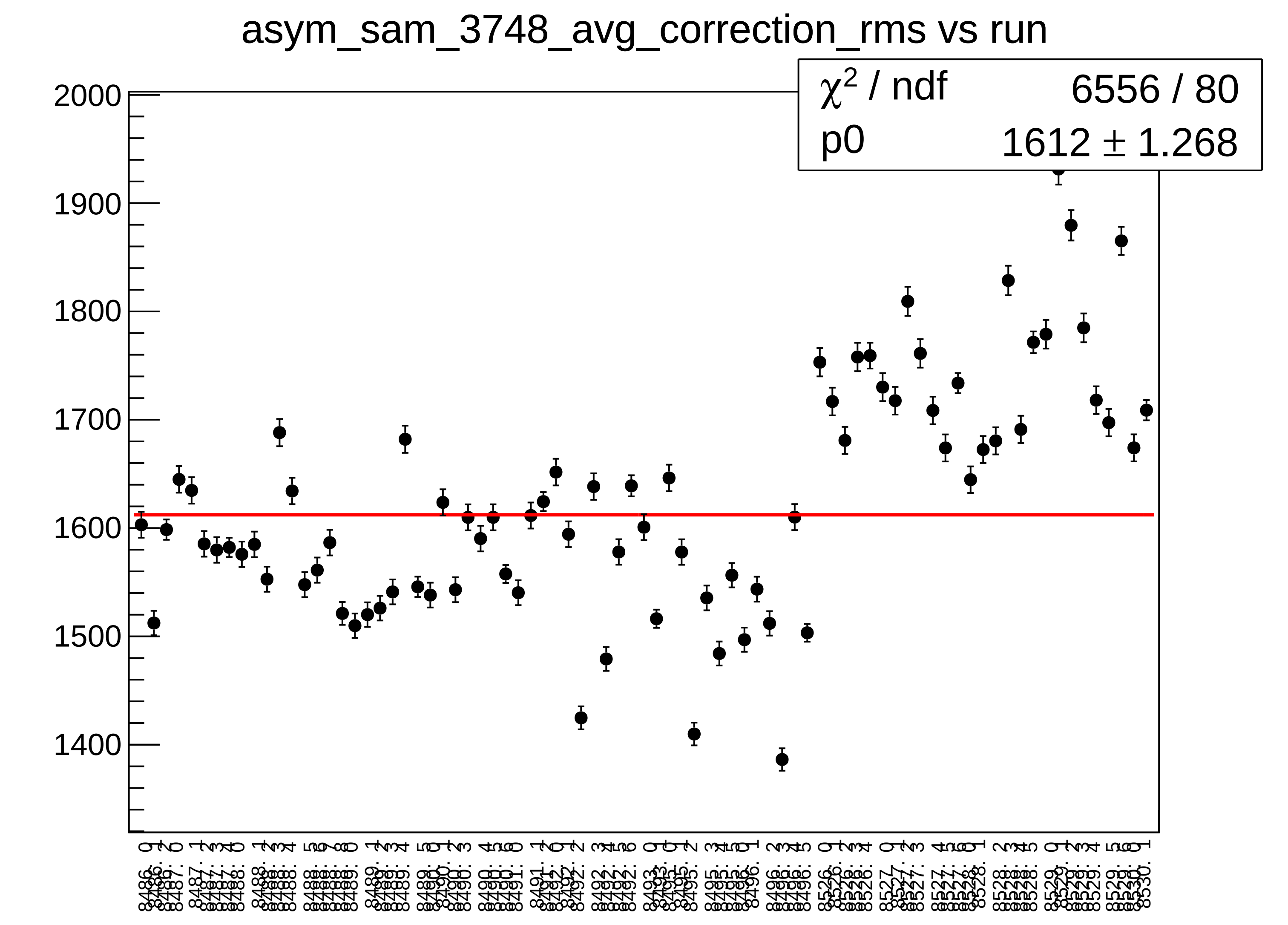
asym_sam_1548_avg_rms vs run
χ^2 / ndf 9740 / 80
p0 1103 ± 0.8685
1400
1300
1200
1100
1000
900



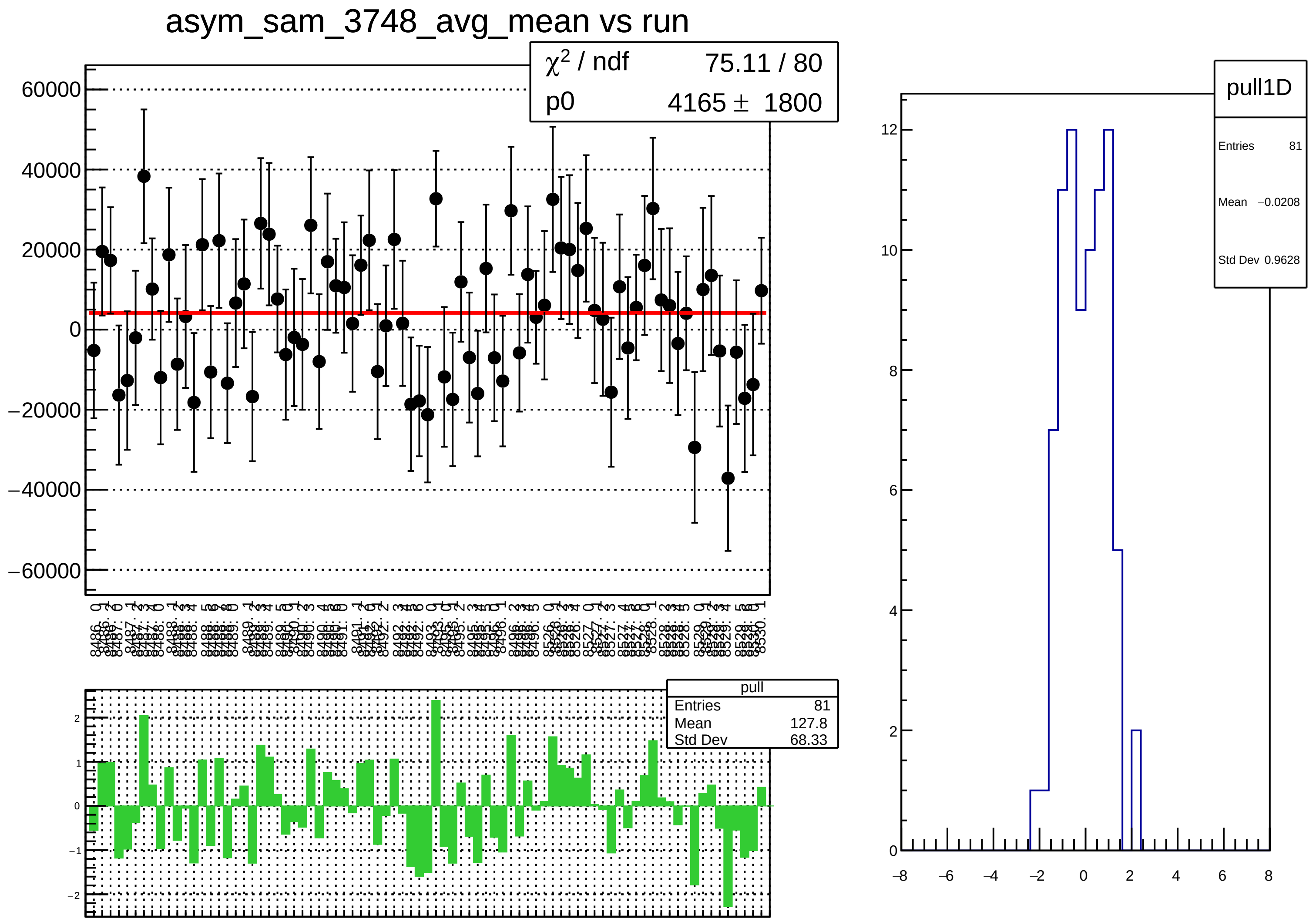
reg_asym_sam_3748_avg_mean vs run
χ^2 / ndf 77.24 / 80
p0 474.9 ± 143.7
pull
Entries 81
Mean −499.4
Std Dev 542.5
pull1D
Entries 81
Mean 0.01084
Std Dev 0.9764

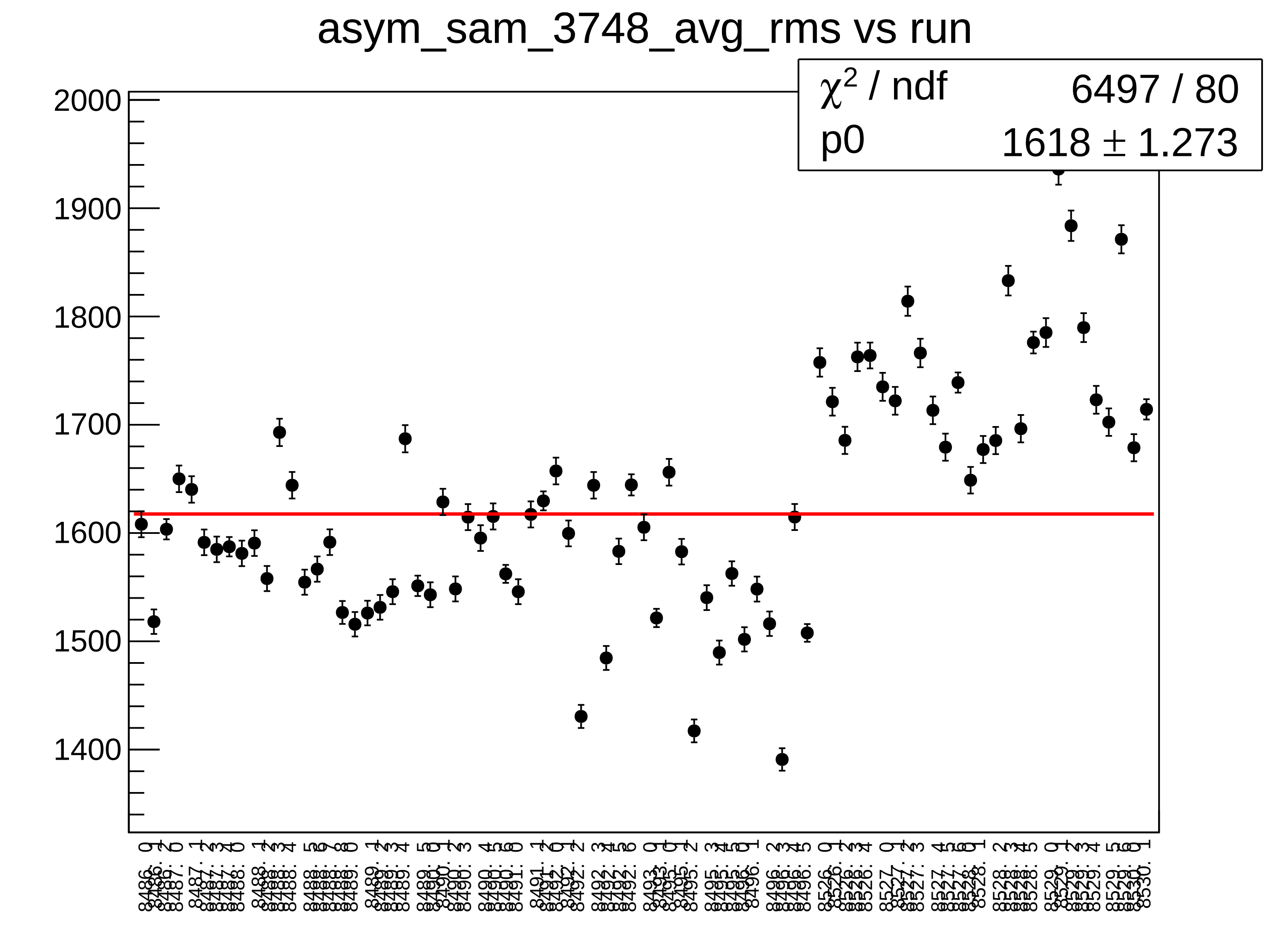

reg_asym_sam_3748_avg_rms vs run
χ^2 / ndf 7284 / 80
p0 129.2 ± 0.1016
180
170
160
150
140
130
120
110


asym_sam_3748_avg_correction_mean vs run
χ^2 / ndf 77.74 / 80
p0 −3683 ± 1794
pull
Entries 81
Mean 103.2
Std Dev 34.11
pull1D
Entries 81
Mean 0.02153
Std Dev 0.9794

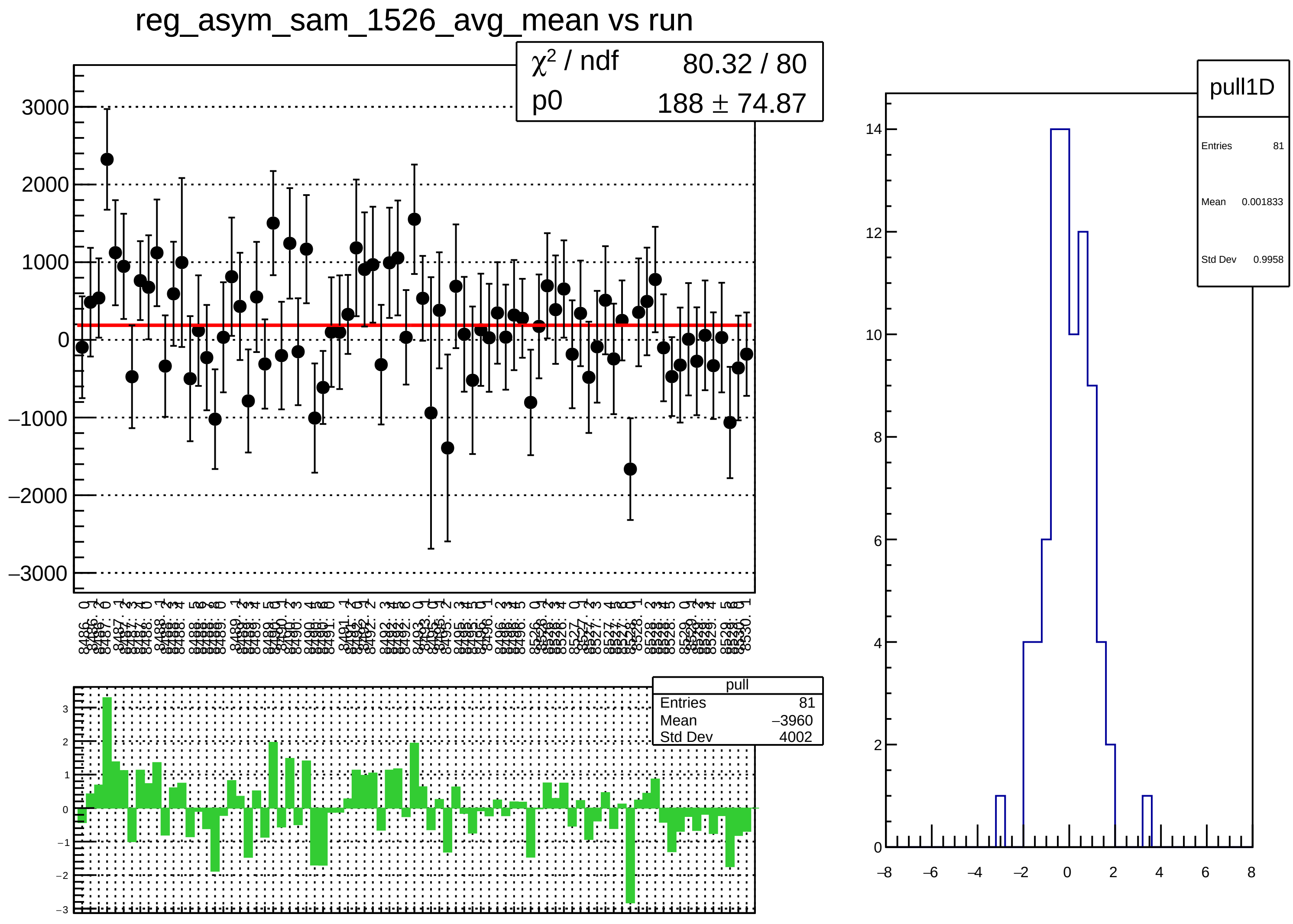


asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 6556 / 80
p0 1612 ± 1.268
2000
1900
1800
1700
1600
1500
1400

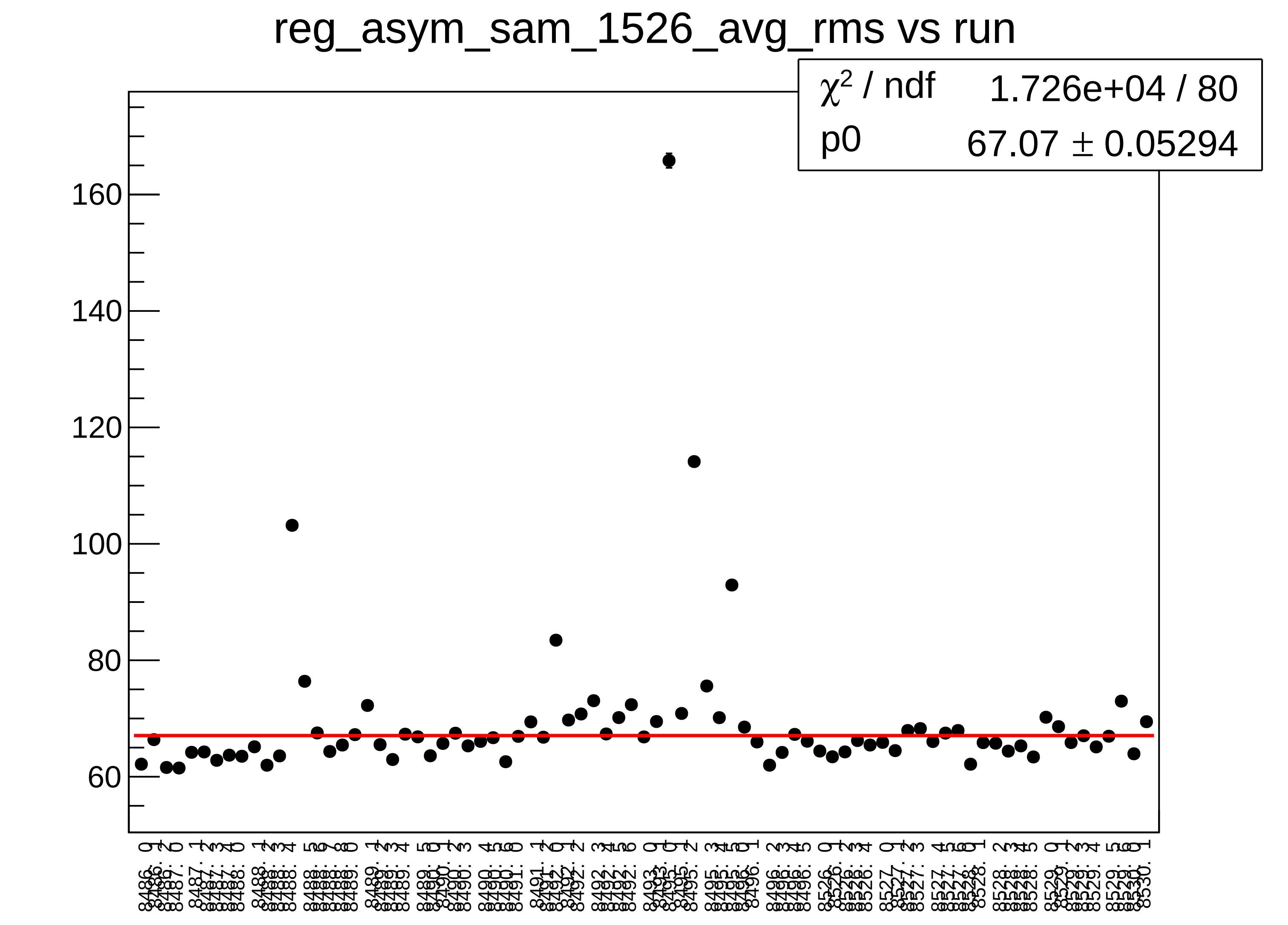

asym_sam_3748_avg_mean vs run
χ2 / ndf 75.11 / 80
p0 4165 ± 1800
pull
Entries 81
Mean 127.8
Std Dev 68.33
pull1D
Entries 81
Mean −0.0208
Std Dev 0.9628

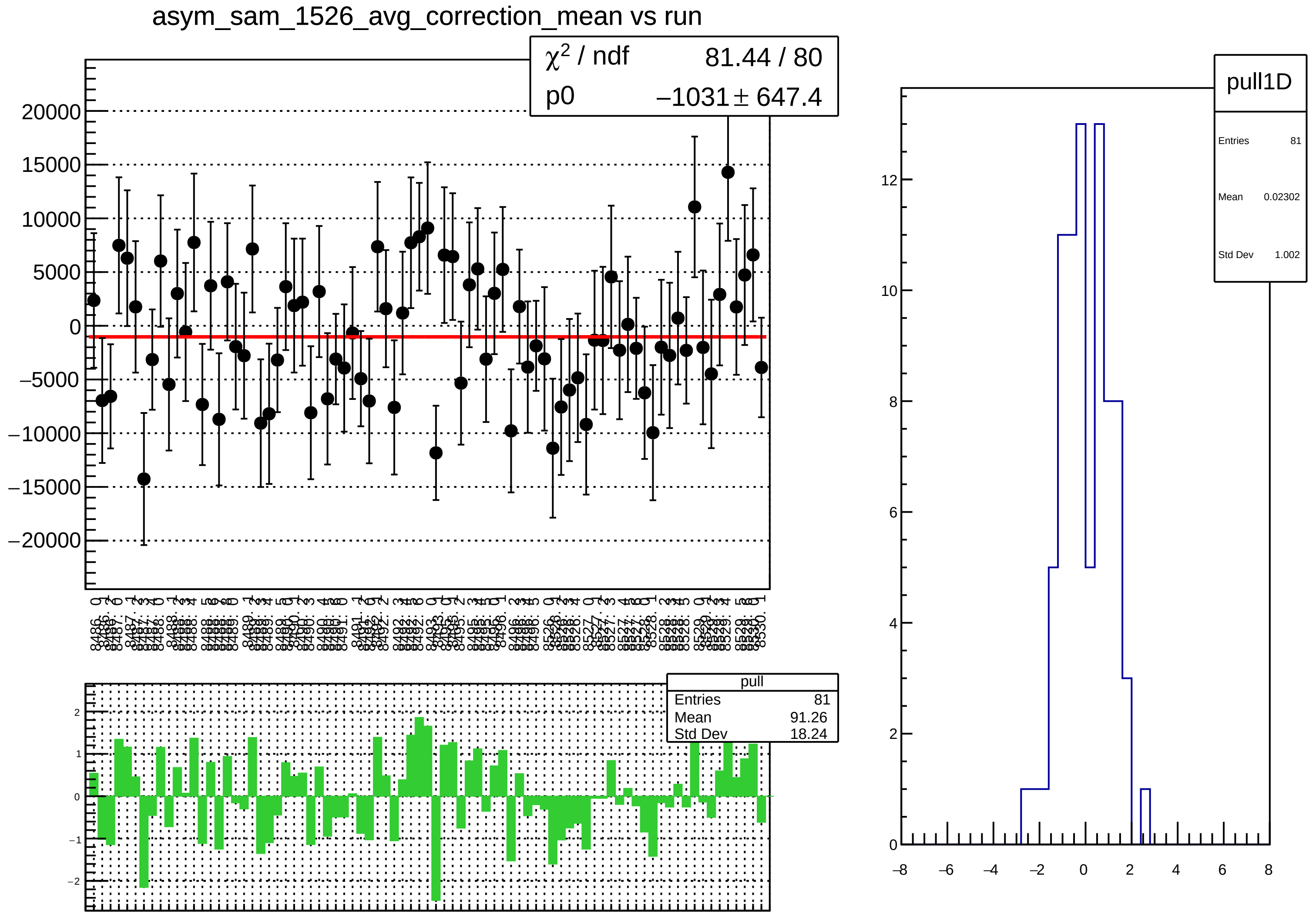


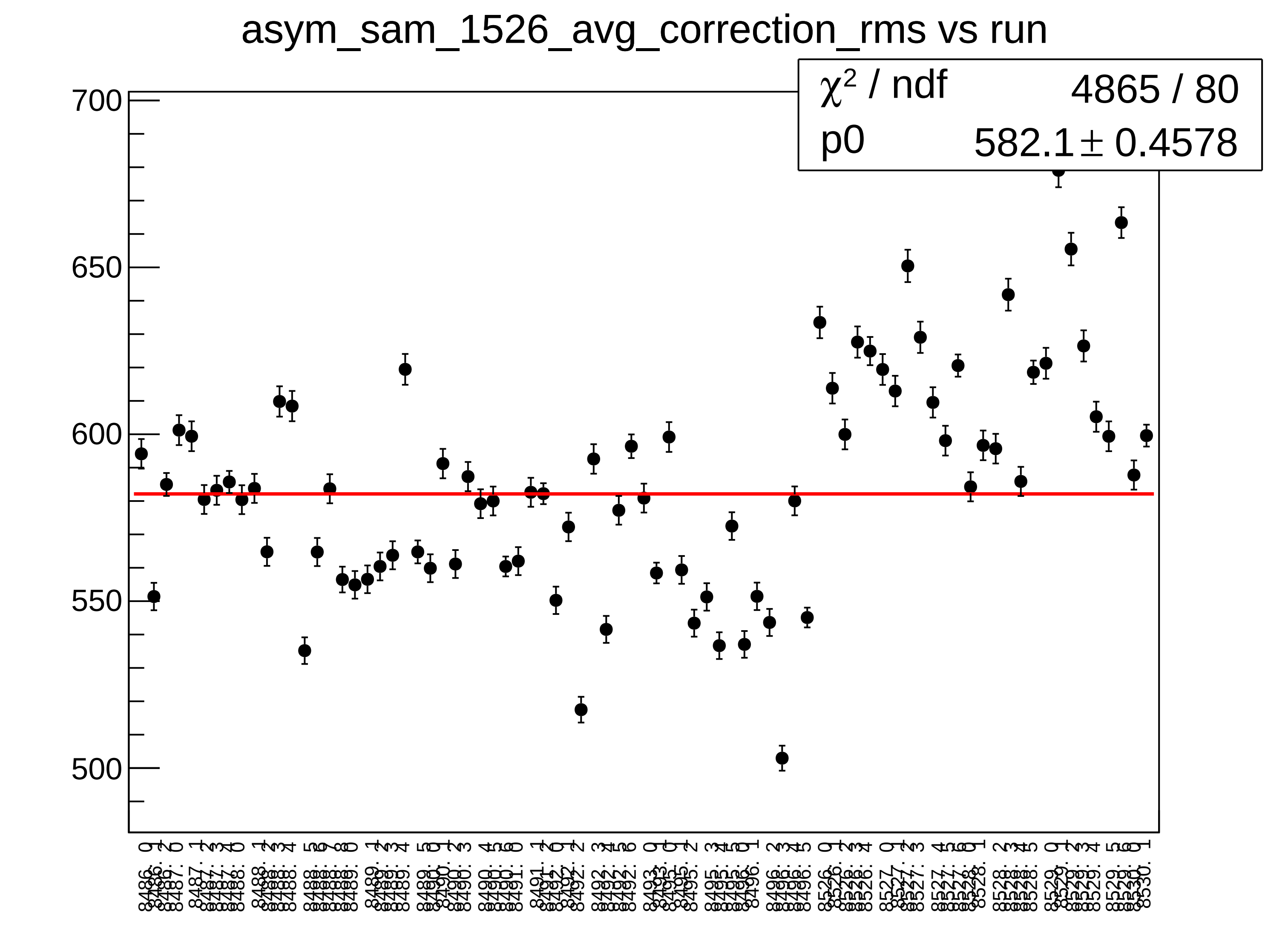
asym_sam_3748_avg_rms vs run
χ^2 / ndf 6497 / 80
p0 1618 ± 1.273
2000
1900
1800
1700
1600
1500
1400

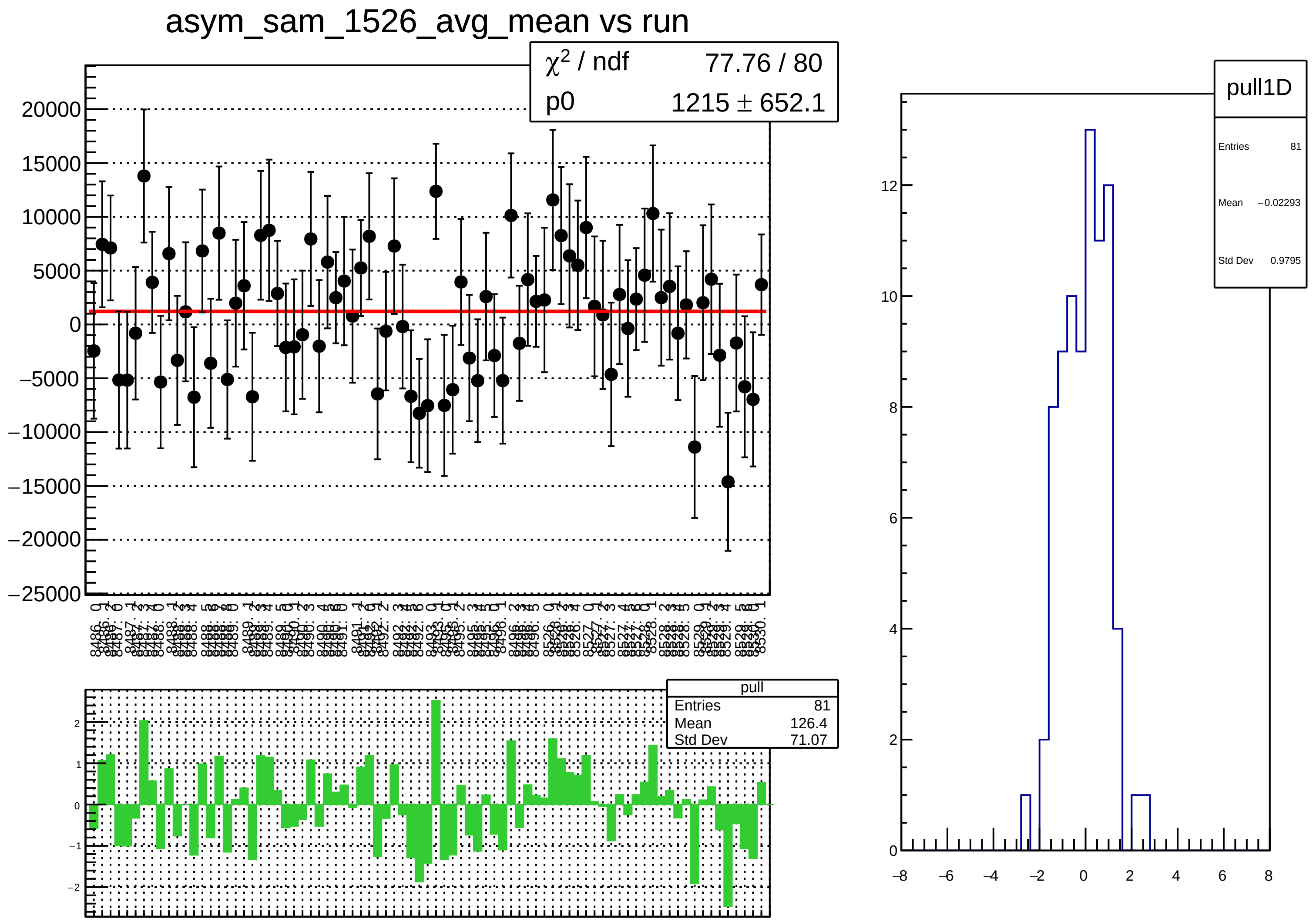


reg_asym_sam_1526_avg_mean vs run
χ^2 / ndf 80.32 / 80
p0 188 ± 74.87
pull
Entries 81
Mean −3960
Std Dev 4002
pull1D
Entries 81
Mean 0.001833
Std Dev 0.9958

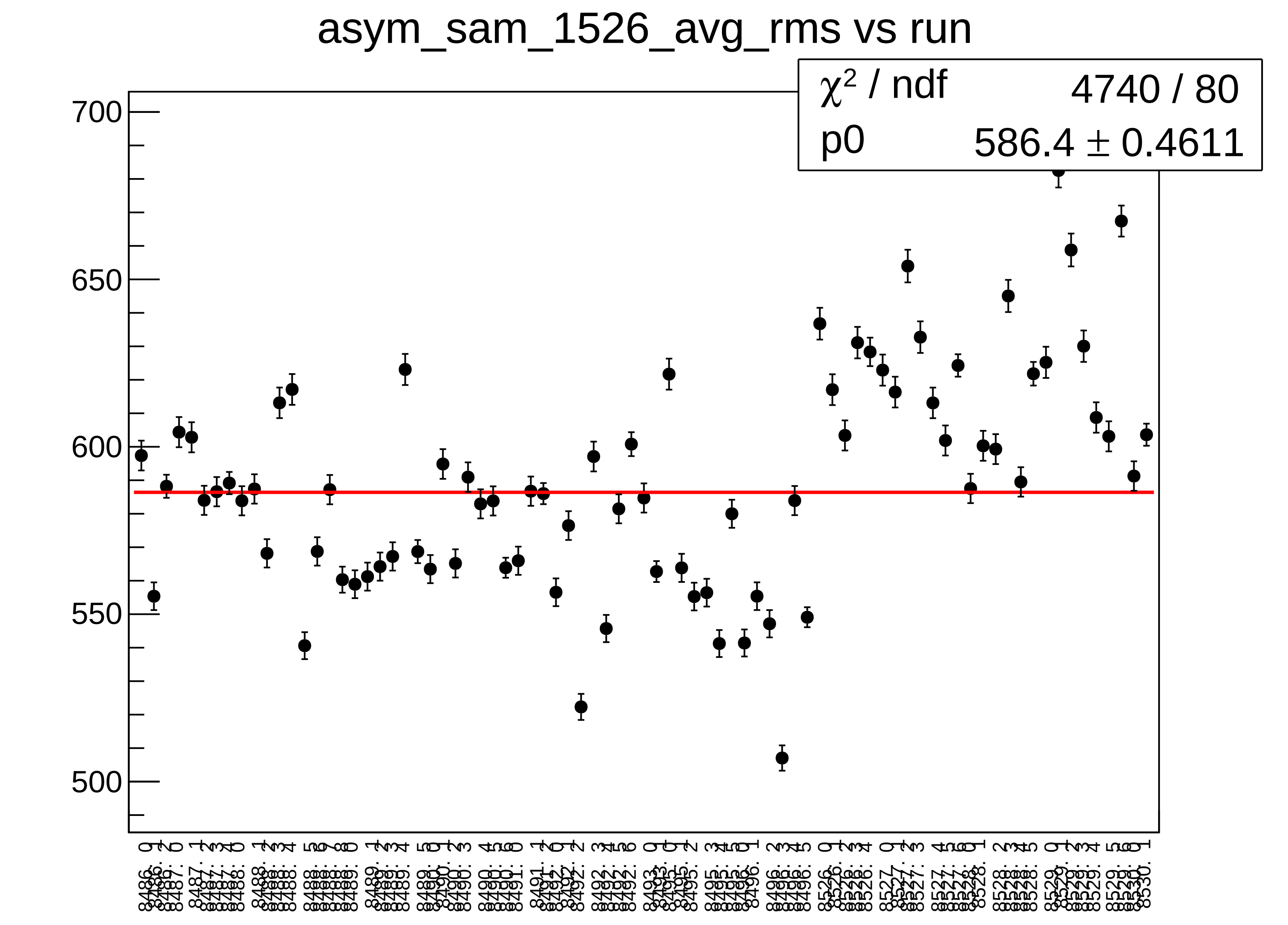

reg_asym_sam_1526_avg_rms vs run
χ2 / ndf 1.726e+04 / 80
p0 67.07 ± 0.05294
160
140
120
100
80
60


asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 81.44 / 80
p0 −1031 ± 647.4
pull
Entries 81
Mean 91.26
Std Dev 18.24
pull1D
Entries 81
Mean 0.02302
Std Dev 1.002

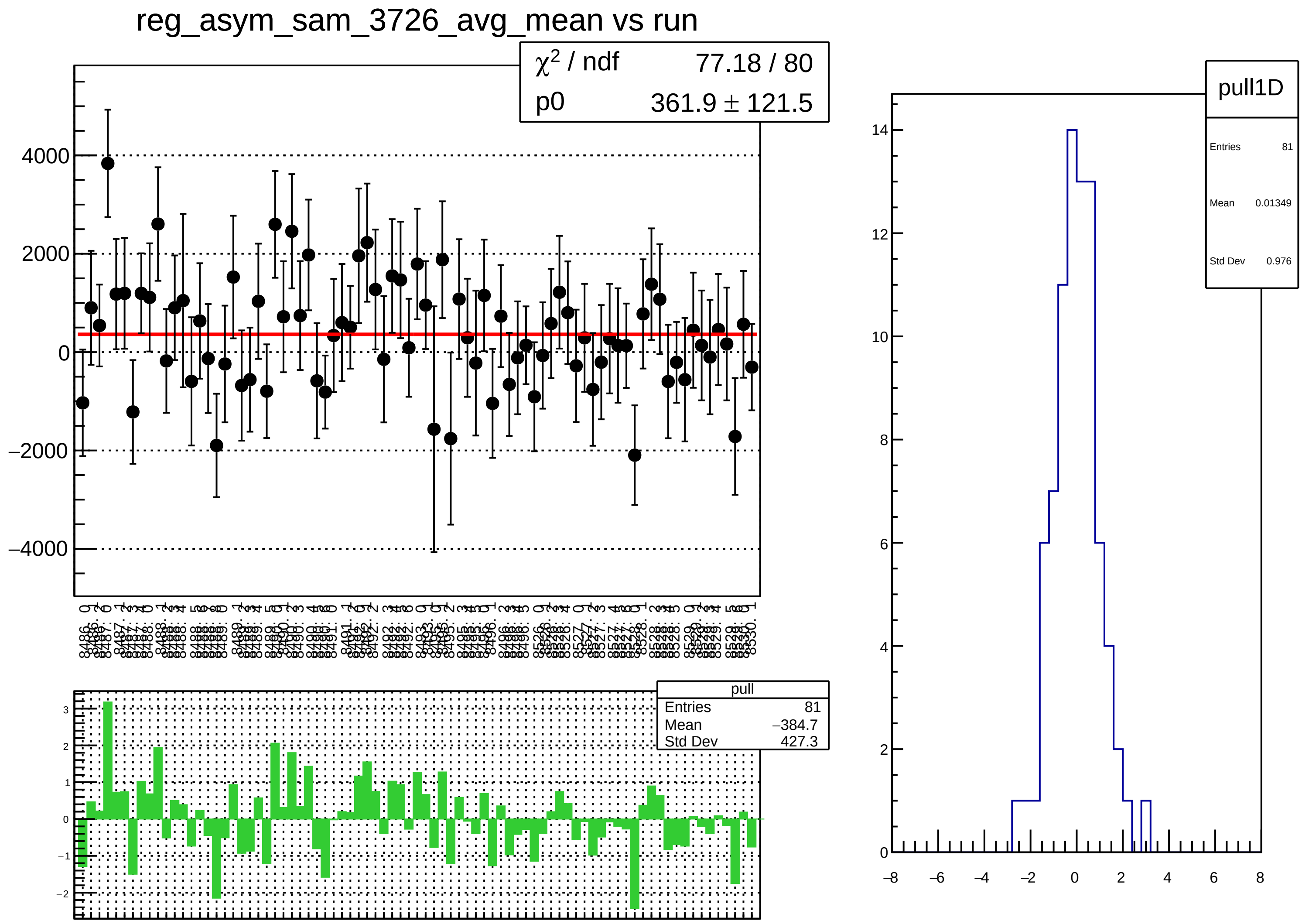

asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 4865 / 80
p0 582.1 ± 0.4578
700
650
600
550
500

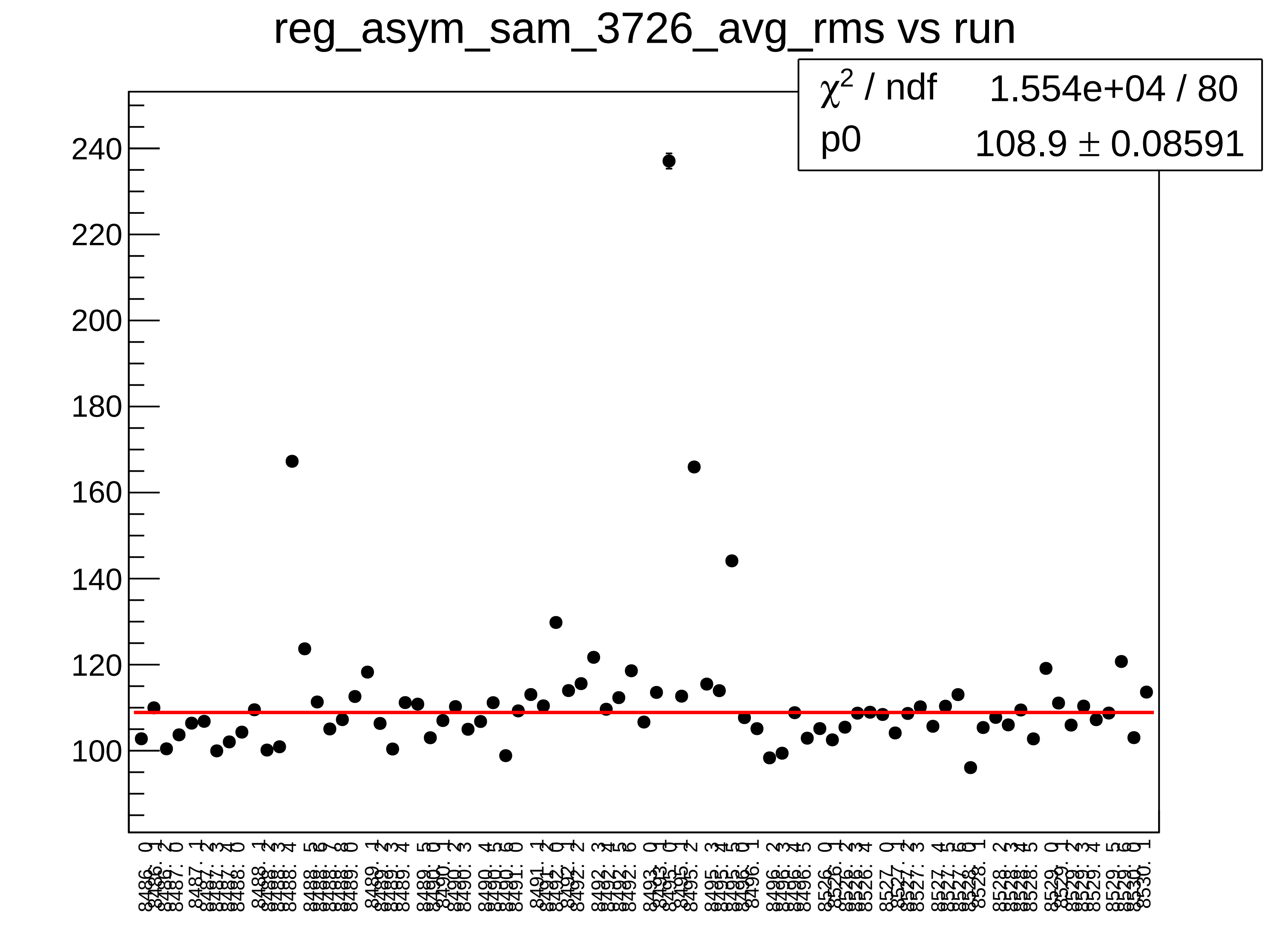


asym_sam_1526_avg_mean vs run
χ^2 / ndf 77.76 / 80
p0 1215 ± 652.1
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
pull
Entries 81
Mean 126.4
Std Dev 71.07
pull1D
Entries 81
Mean −0.02293
Std Dev 0.9795

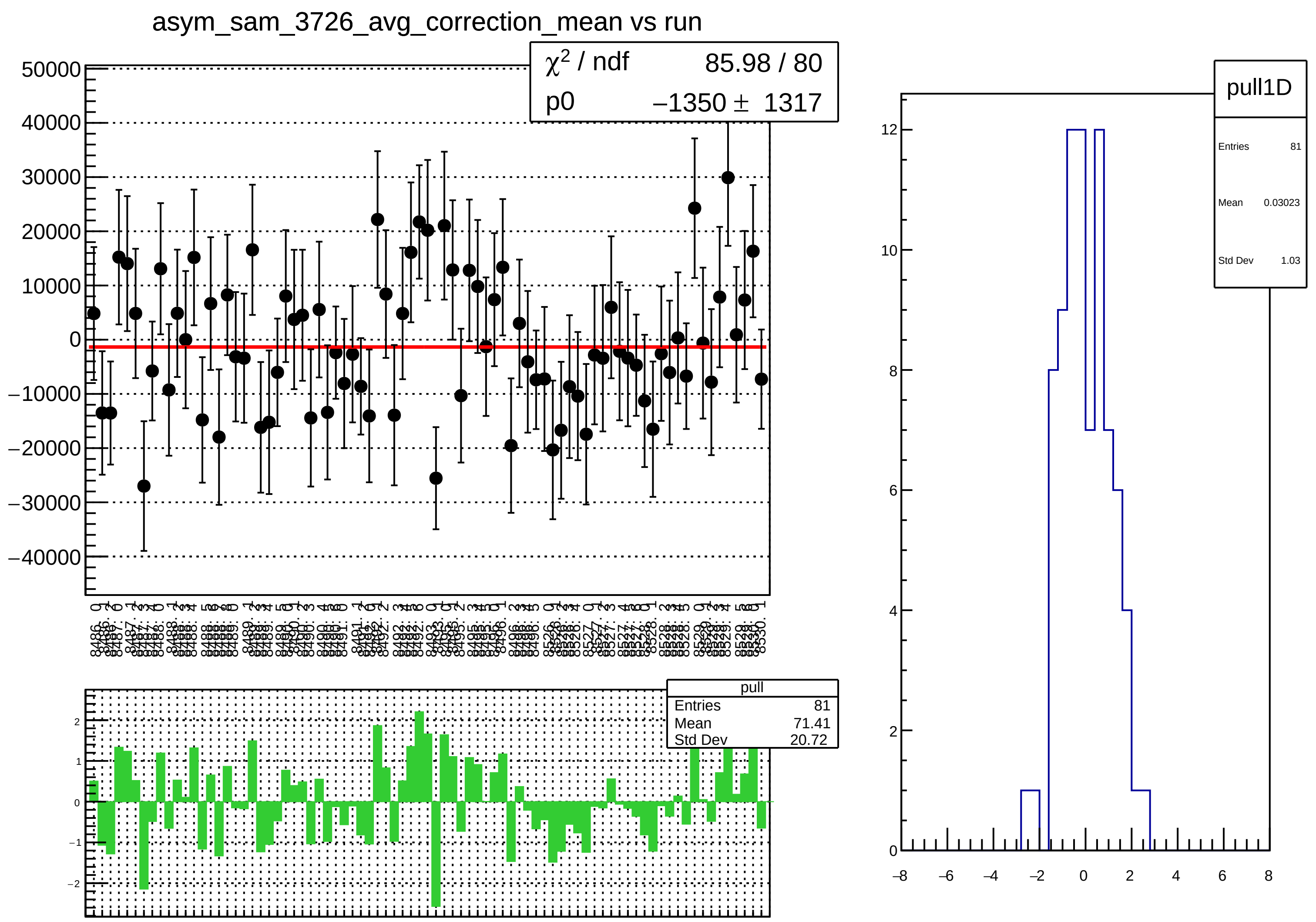


asym_sam_1526_avg_rms vs run
χ2 / ndf 4740 / 80
p0 586.4 ± 0.4611

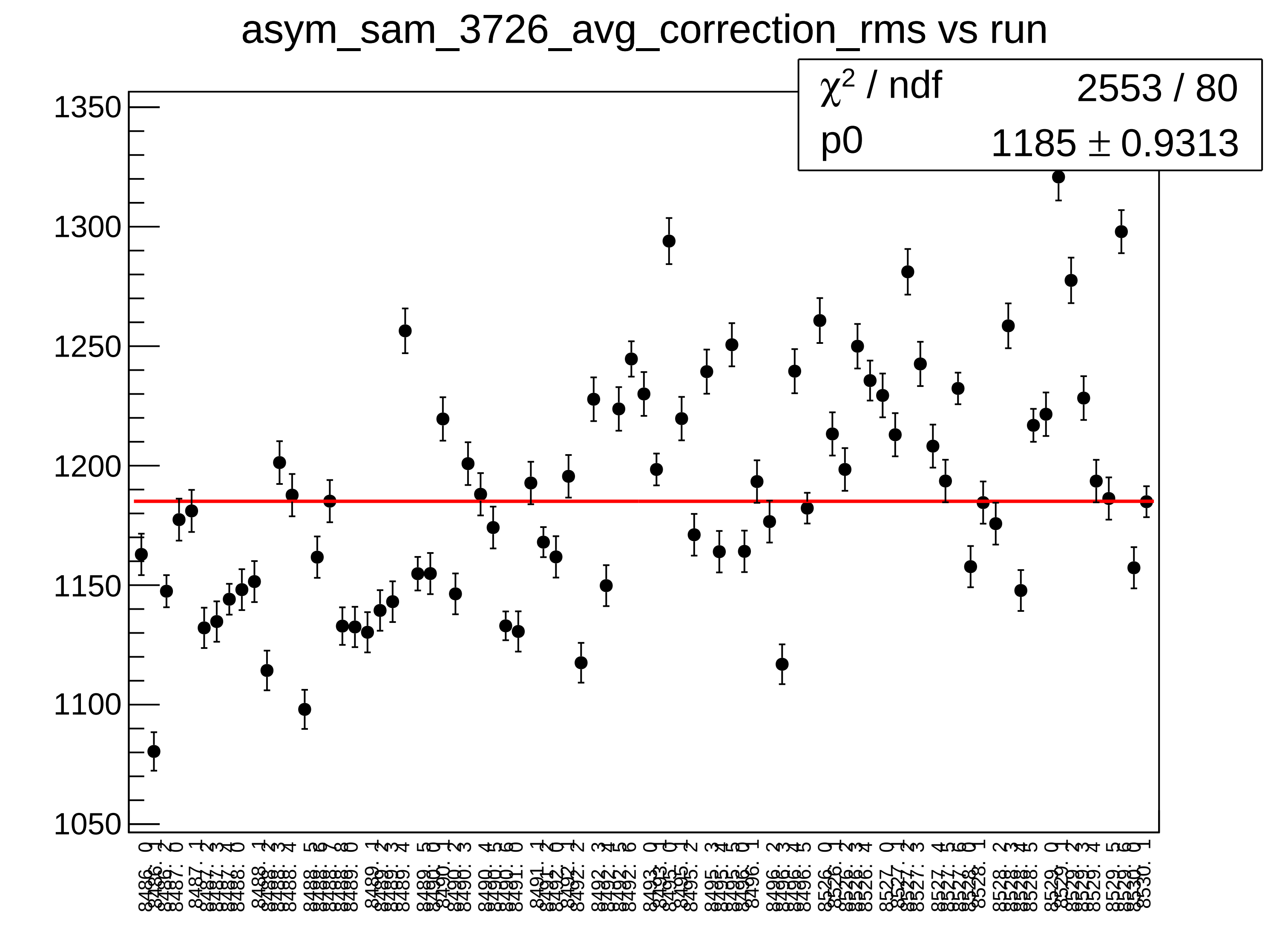

reg_asym_sam_3726_avg_mean vs run
χ^2 / ndf 77.18 / 80
p0 361.9 ± 121.5
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −384.7
Std Dev 427.3
pull1D
Entries 81
Mean 0.01349
Std Dev 0.976



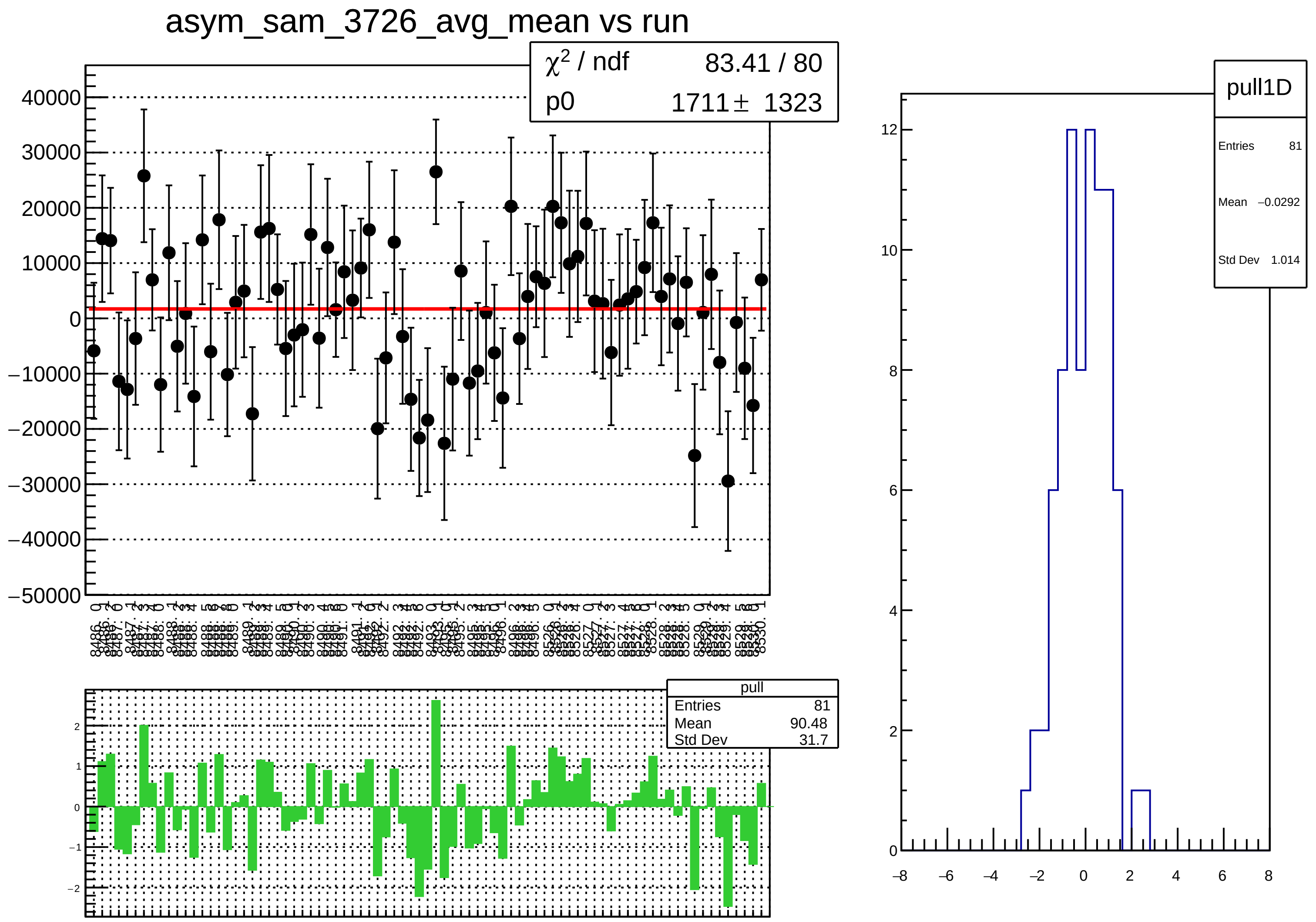
reg_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.554e+04 / 80
p0 108.9 ± 0.08591
240
220
200
180
160
140
120
100



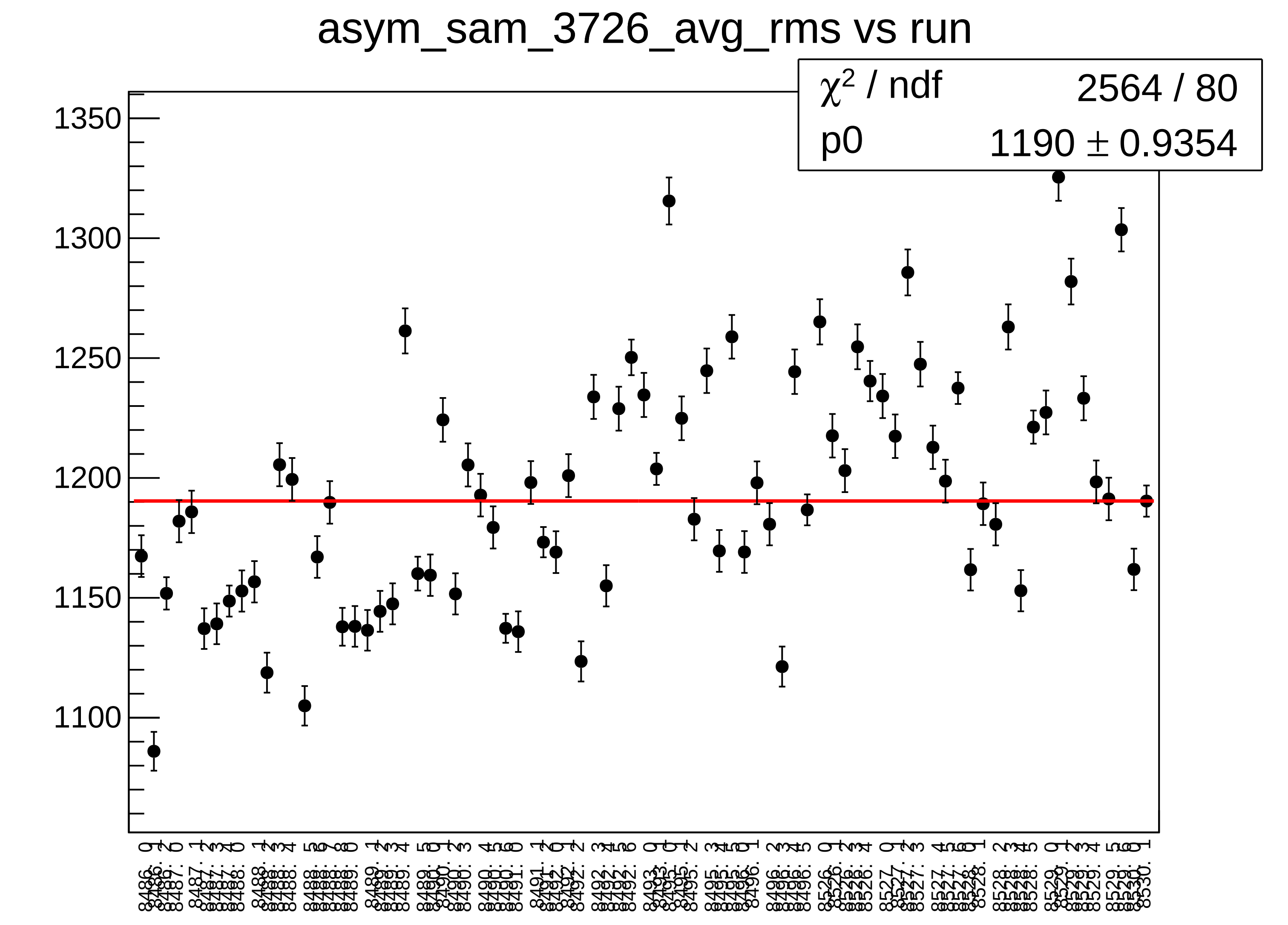
asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 85.98 / 80
p0 −1350 ± 1317
pull
Entries 81
Mean 71.41
Std Dev 20.72
pull1D
Entries 81
Mean 0.03023
Std Dev 1.03

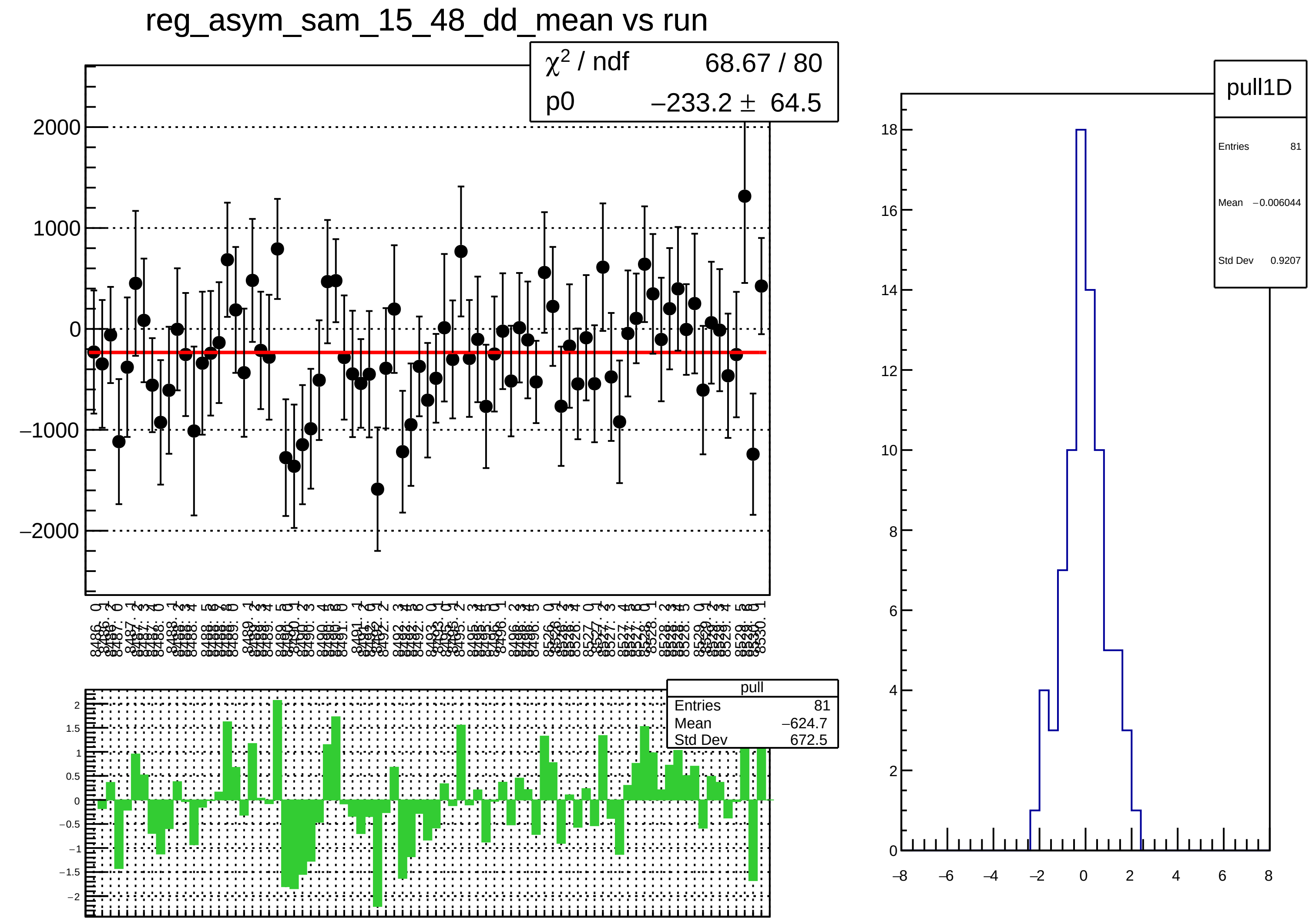


asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 2553 / 80
p0 1185 ± 0.9313
1350
1300
1250
1200
1150
1100
1050

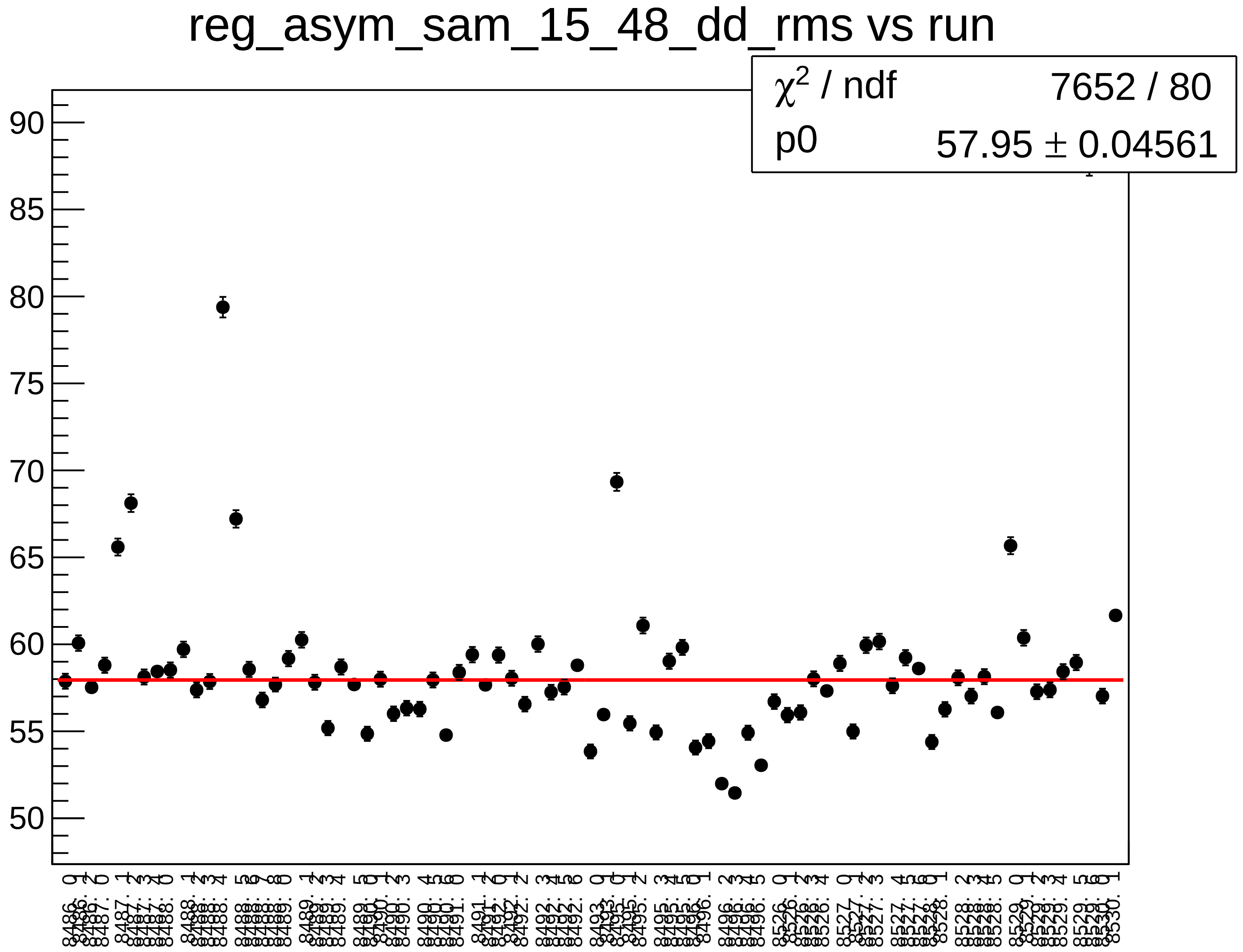


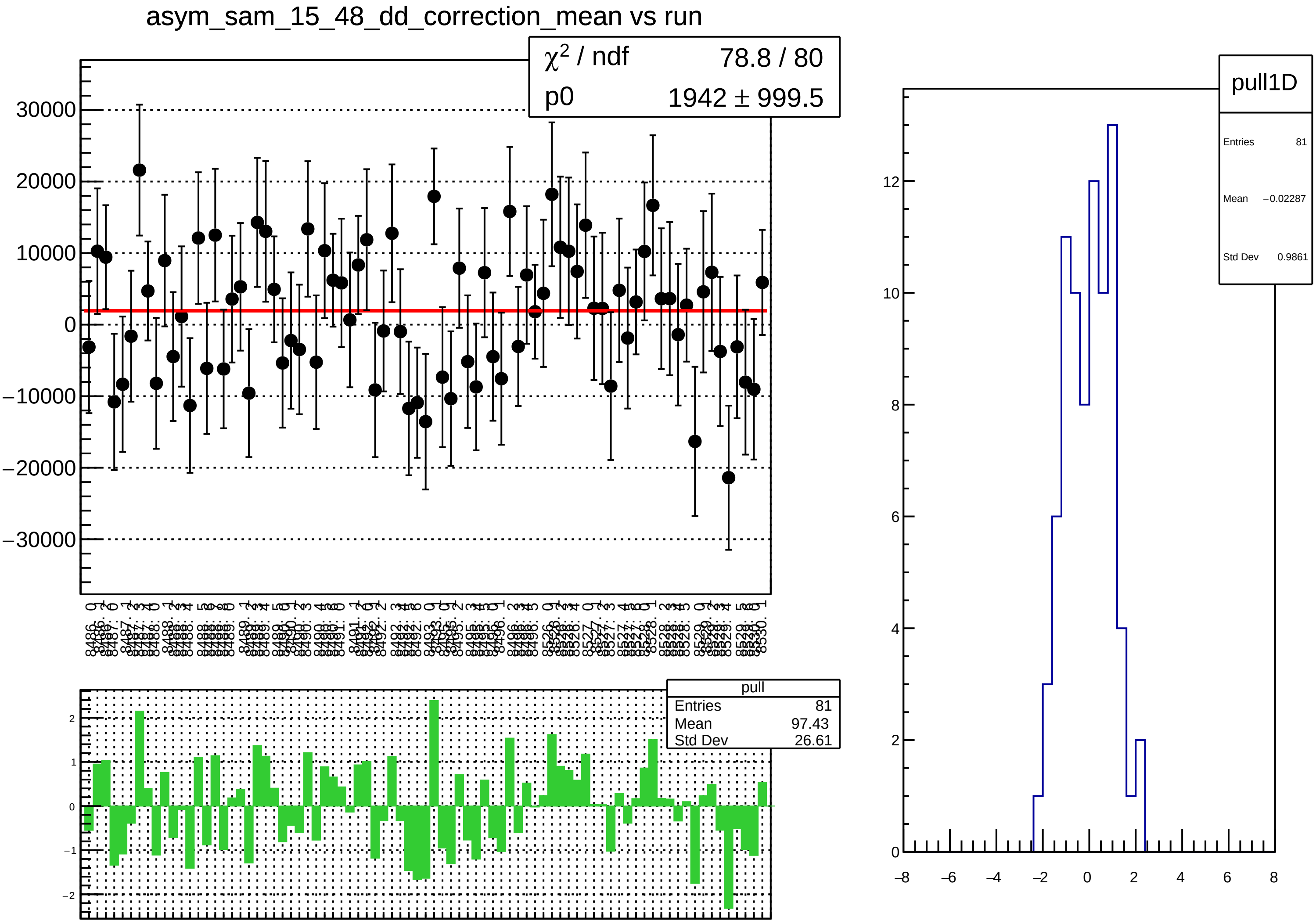
asym_sam_3726_avg_mean vs run
χ^2 / ndf 83.41 / 80
p0 1711 ± 1323
pull
Entries 81
Mean 90.48
Std Dev 31.7
pull1D
Entries 81
Mean −0.0292
Std Dev 1.014


asym_sam_3726_avg_rms vs run
χ2 / ndf 2564 / 80
p0 1190 ± 0.9354
1350
1300
1250
1200
1150
1100

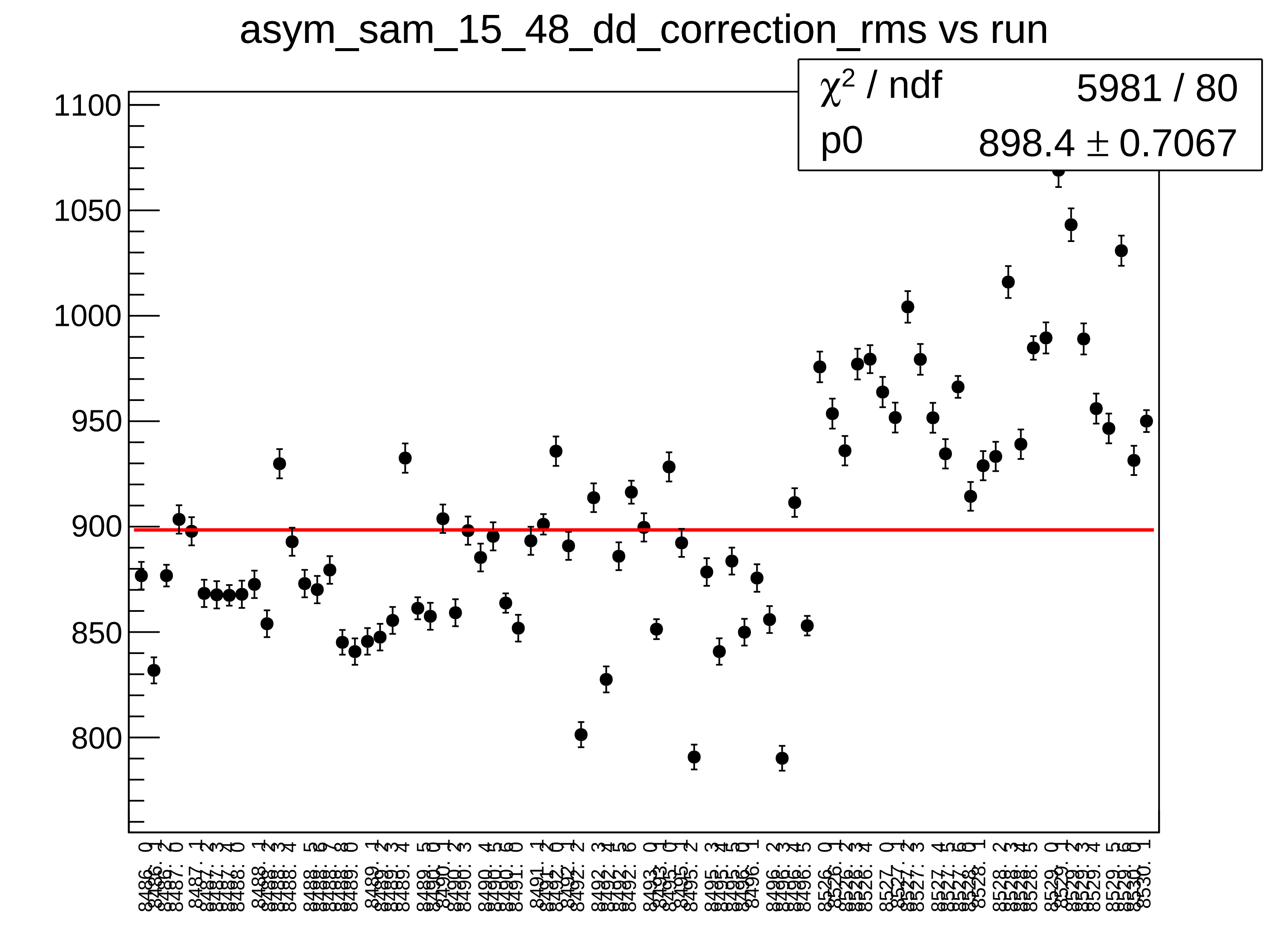


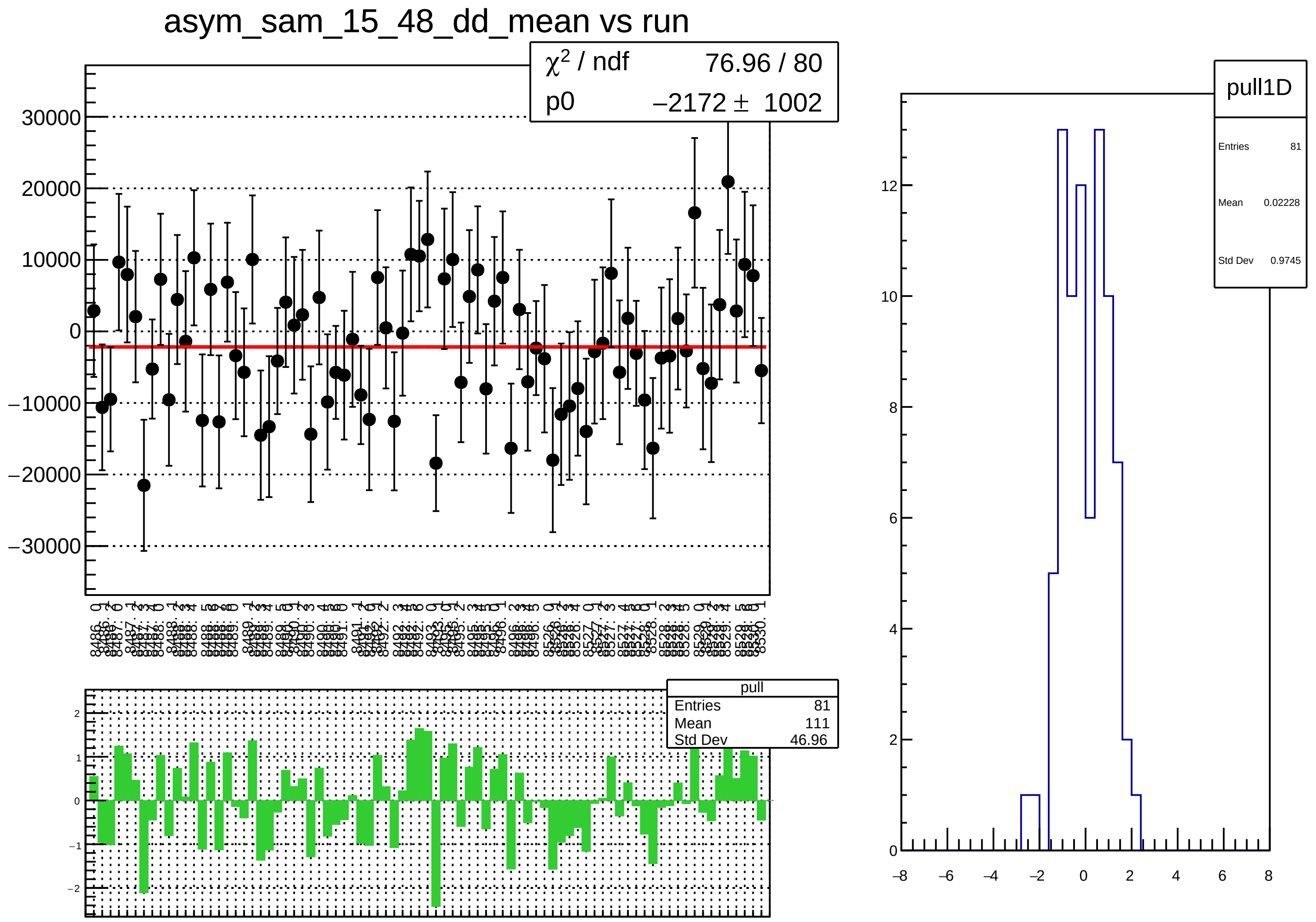
reg_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 68.67 / 80
p0 −233.2 ± 64.5
pull
Entries 81
Mean −624.7
Std Dev 672.5
pull1D
Entries 81
Mean −0.006044
Std Dev 0.9207


reg_asym_sam_15_48_dd_rms vs run
χ2 / ndf 7652 / 80
p0 57.95 ± 0.04561
90
85
80
75
70
65
60
55
50

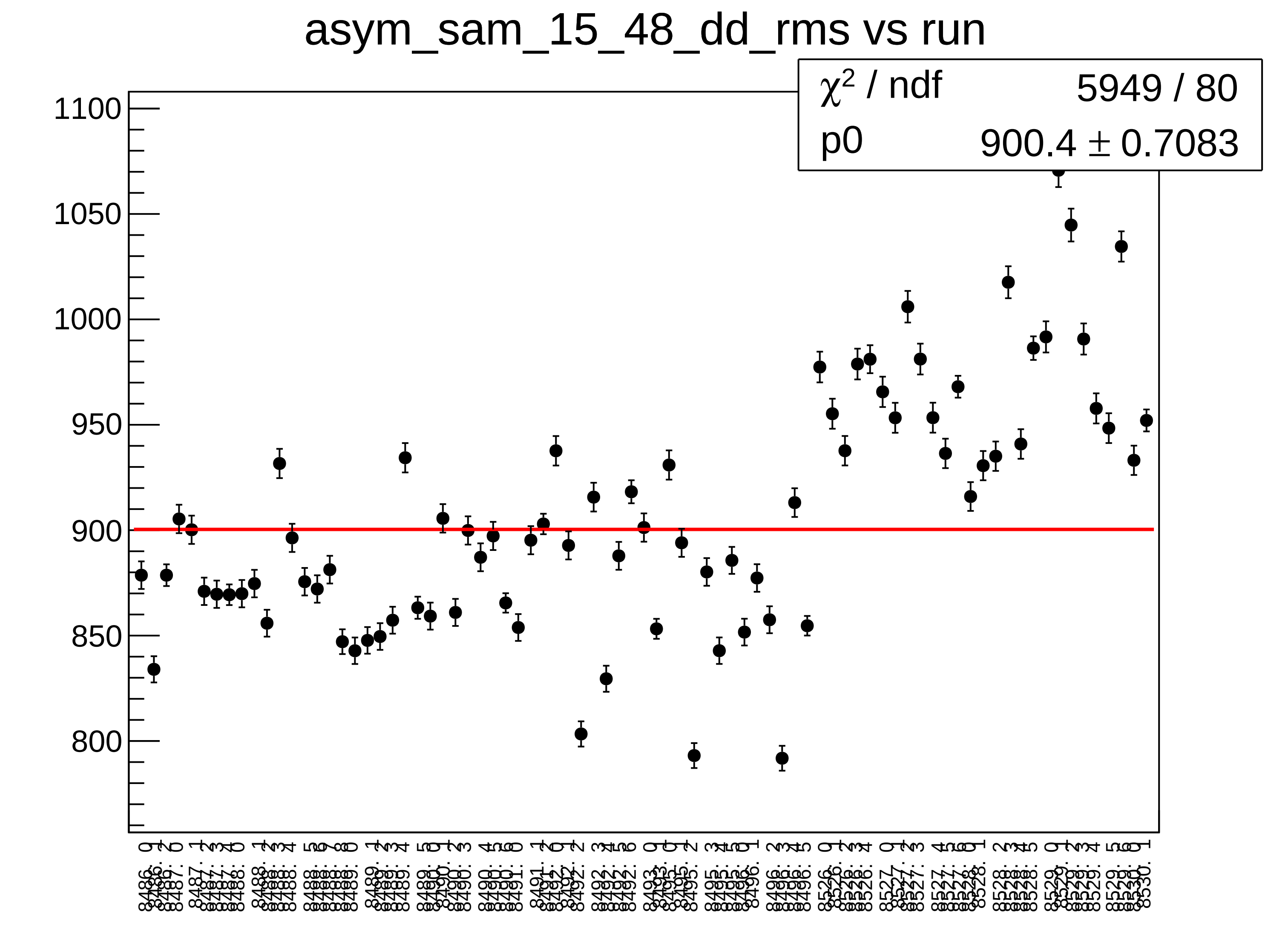


asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 78.8 / 80
p0 1942 ± 999.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 97.43
Std Dev 26.61
pull1D
Entries 81
Mean −0.02287
Std Dev 0.9861

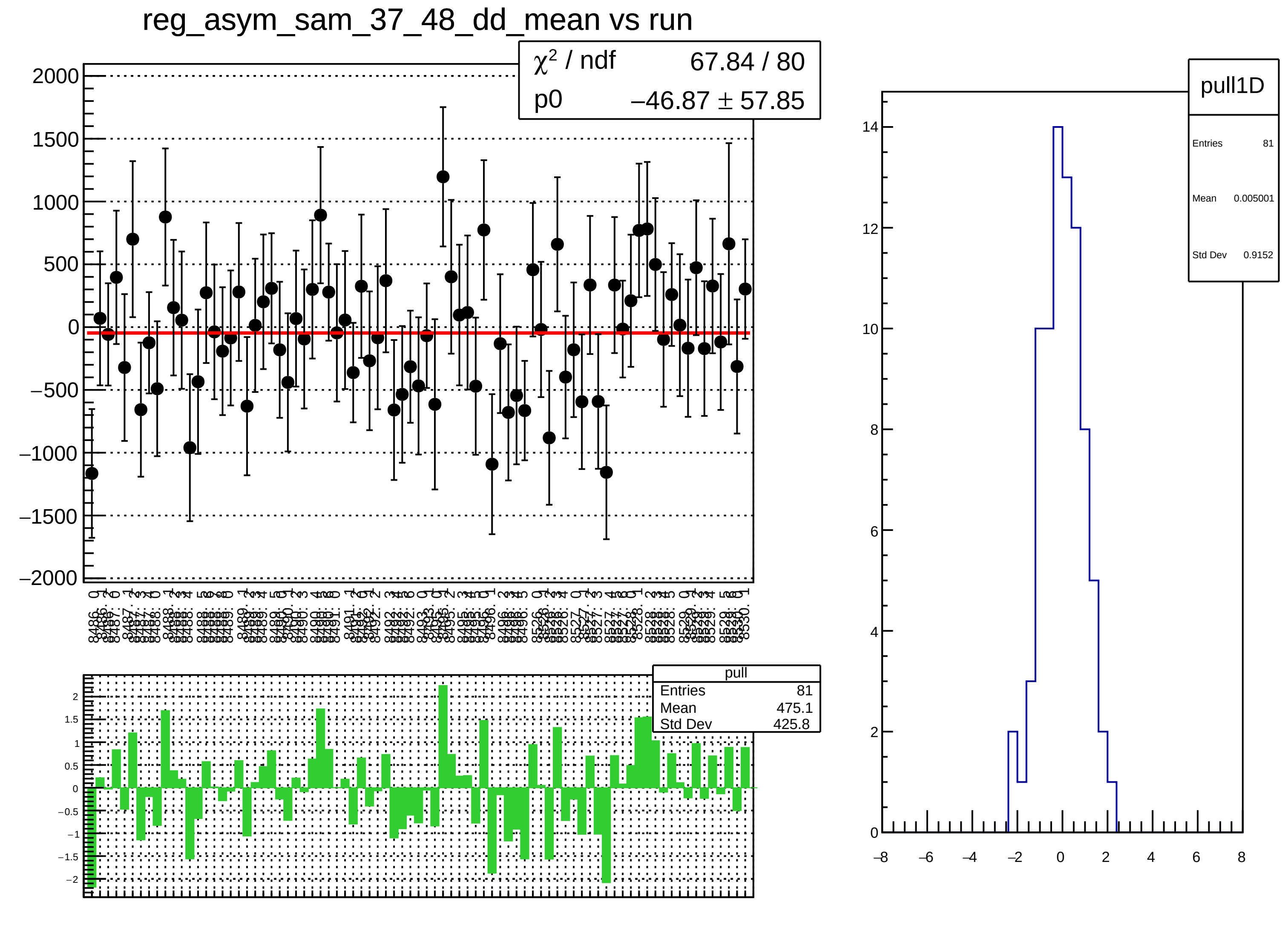

asym_sam_15_48_dd_correction_rms vs run
χ2 / ndf 5981 / 80
p0 898.4 ± 0.7067



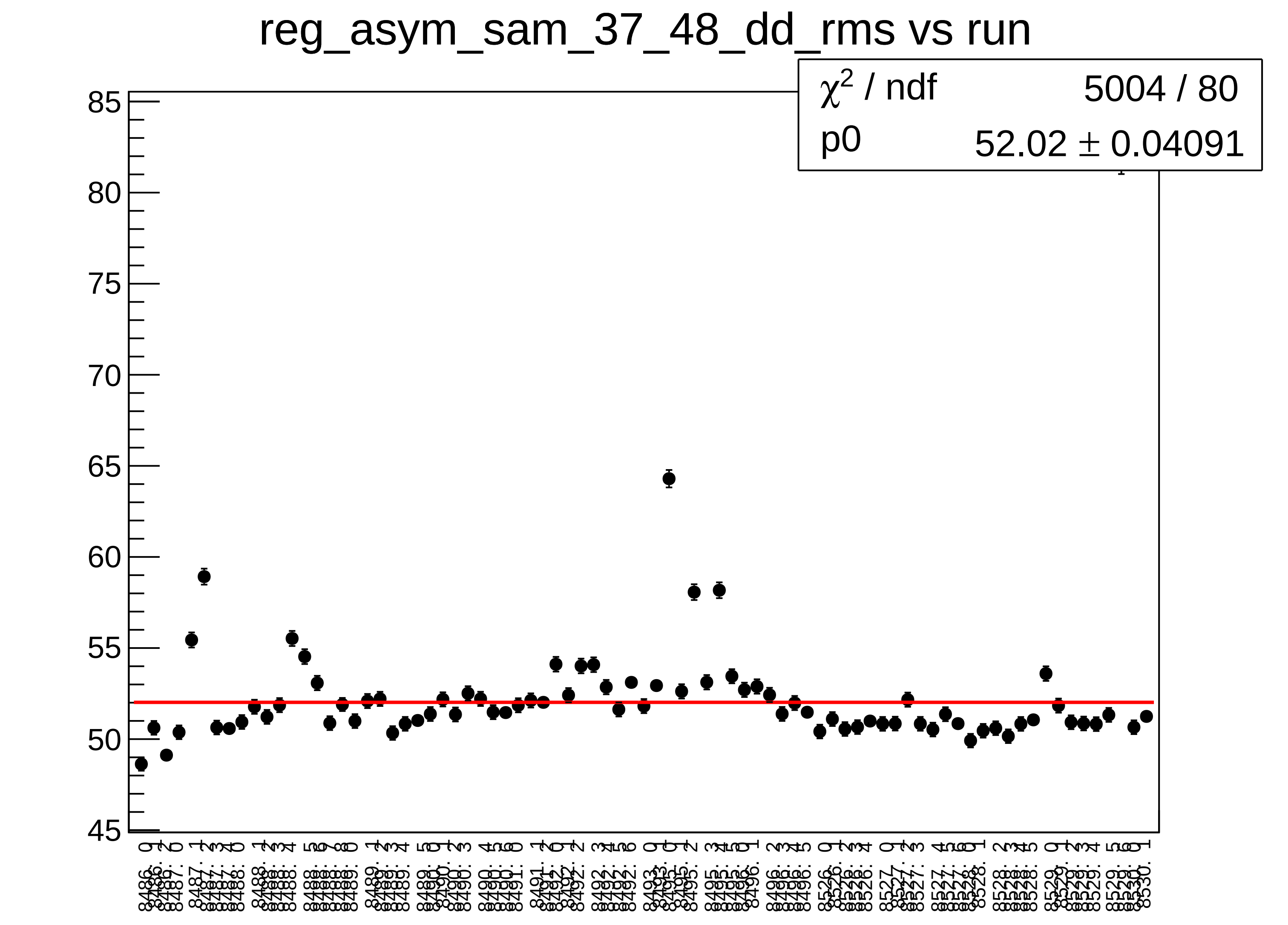
asym_sam_15_48_dd_mean vs run
χ² / ndf 76.96 / 80
p0 −2172 ± 1002
pull
Entries 81
Mean 111
Std Dev 46.96
pull1D
Entries 81
Mean 0.02228
Std Dev 0.9745



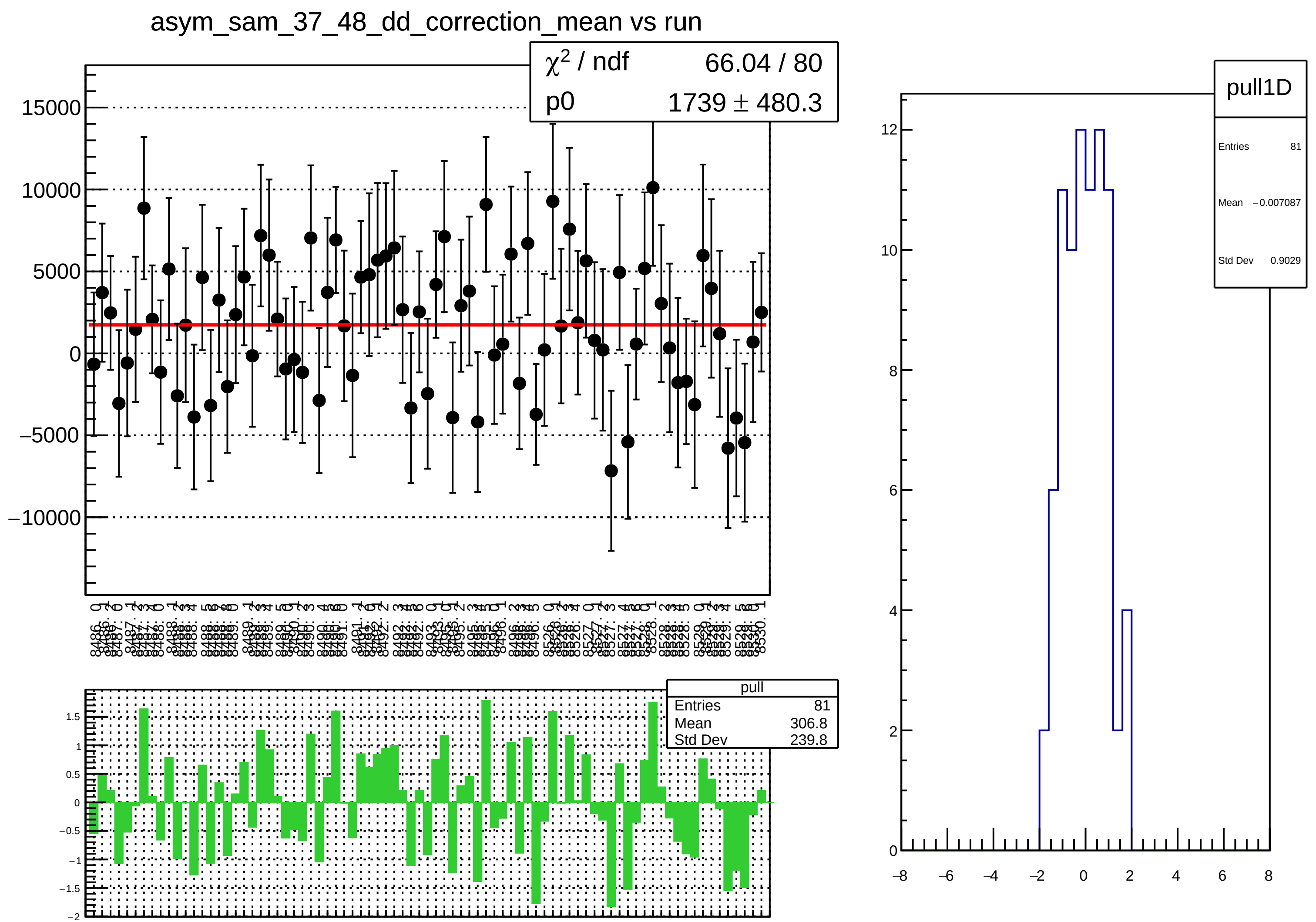
asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5949 / 80
p0 900.4 ± 0.7083



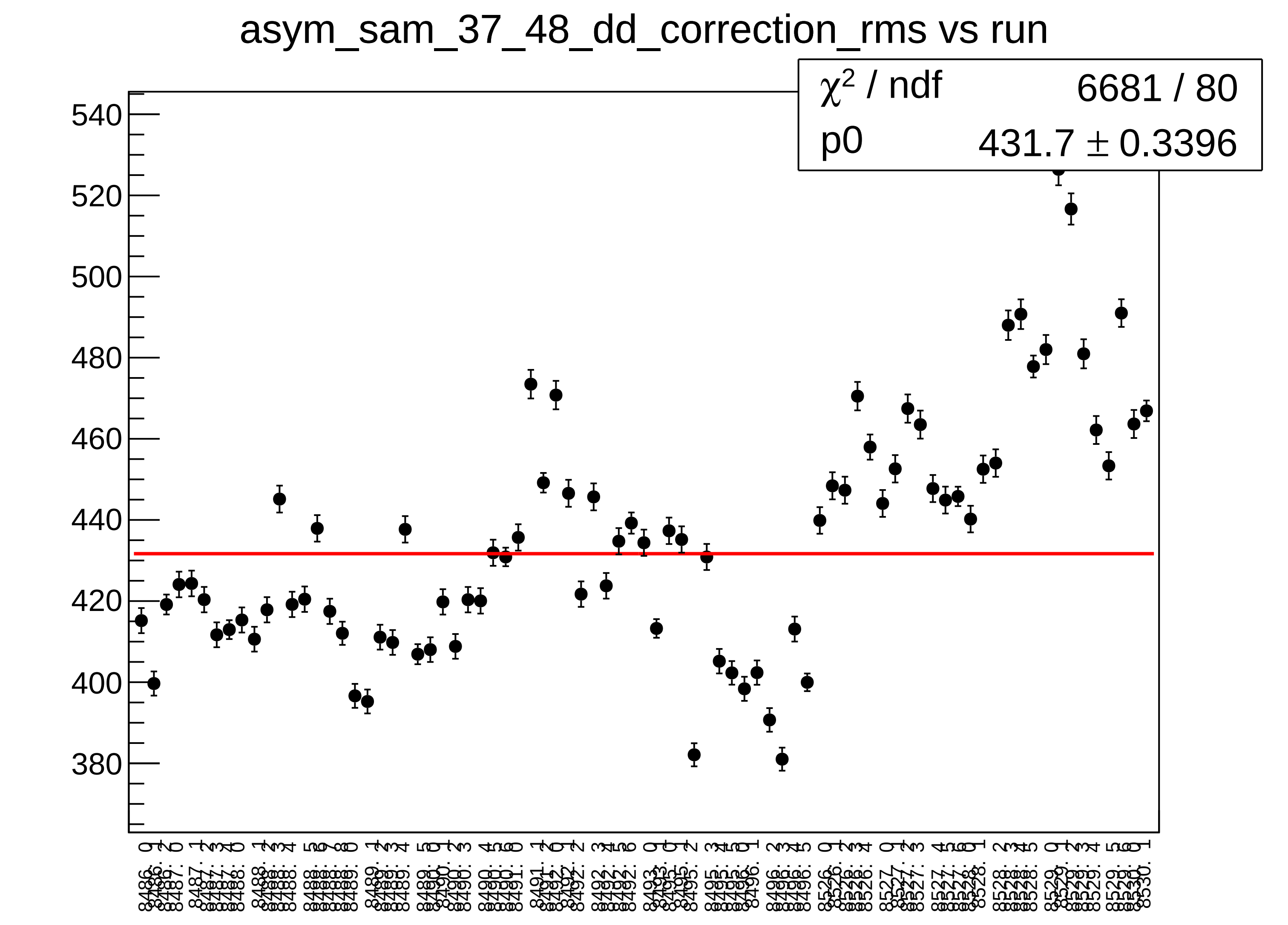
reg_asym_sam_37_48_dd_mean vs run
χ^2 / ndf 67.84 / 80
p0 −46.87 ± 57.85
pull
Entries 81
Mean 475.1
Std Dev 425.8
pull1D
Entries 81
Mean 0.005001
Std Dev 0.9152



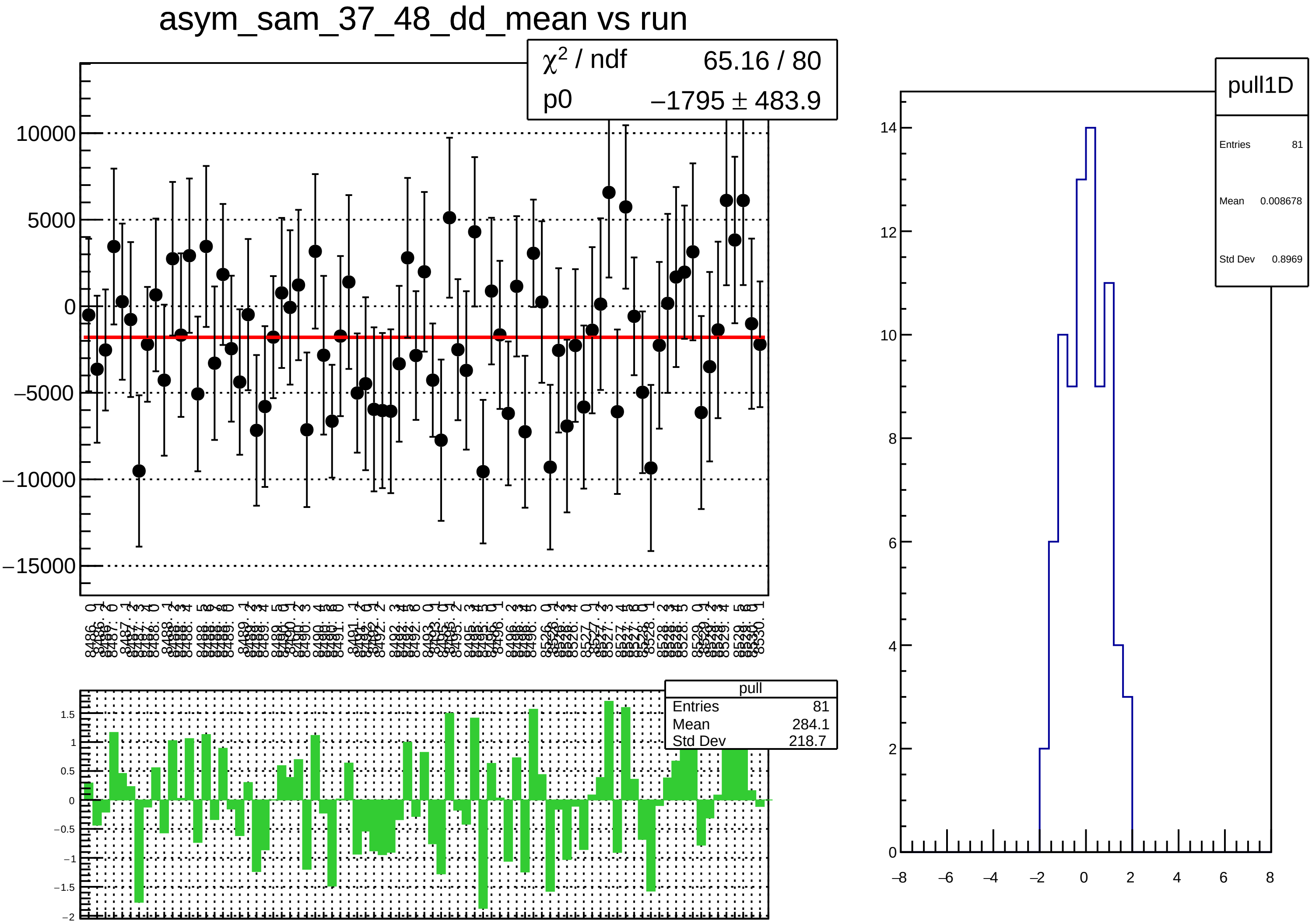
reg_asym_sam_37_48_dd_rms vs run
χ2 / ndf 5004 / 80
p0 52.02 ± 0.04091
85
80
75
70
65
60
55
50
45



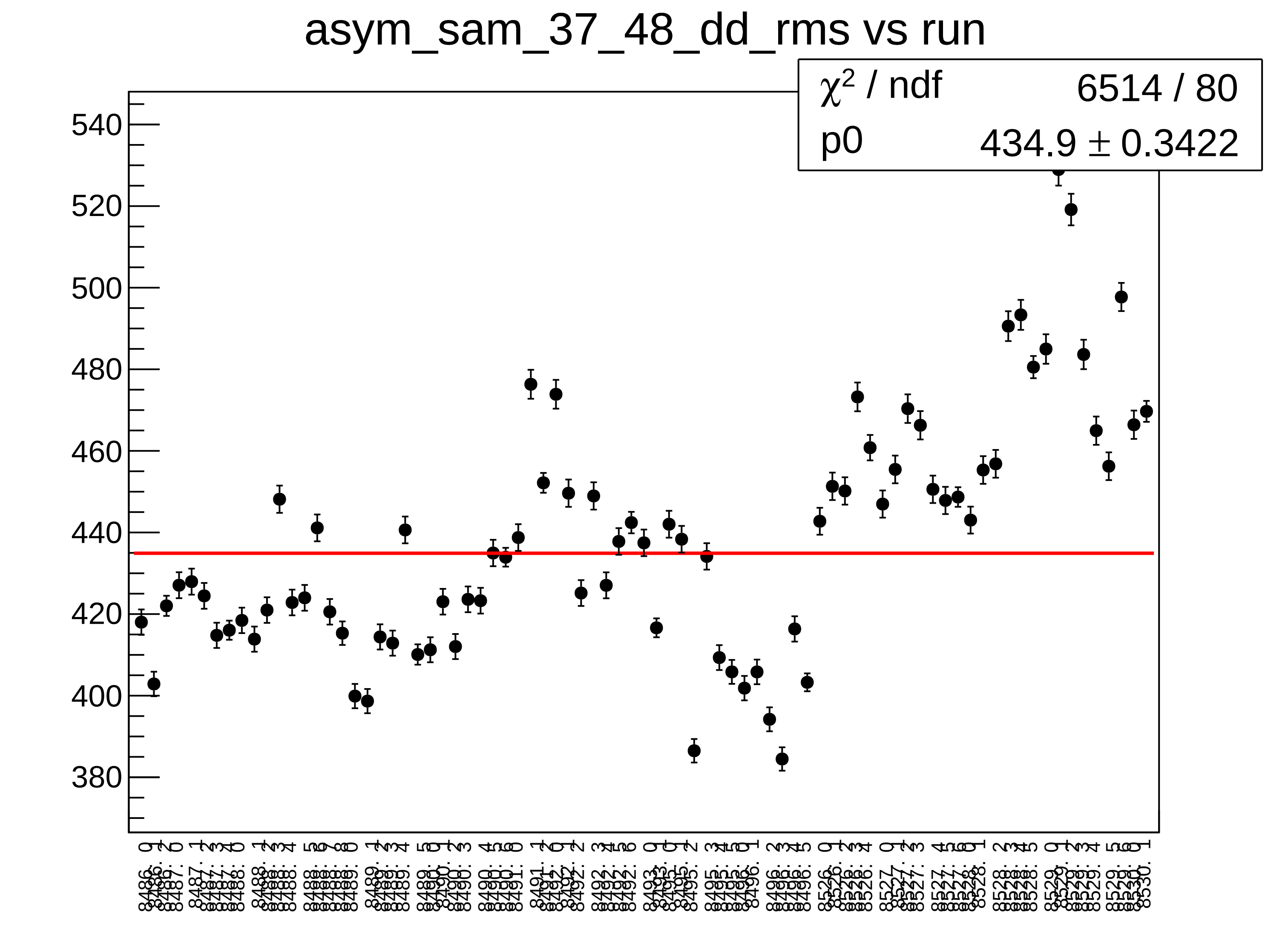
asym_sam_37_48_dd_correction_mean vs run
χ2 / ndf 66.04 / 80
p0 1739 ± 480.3
pull
Entries 81
Mean 306.8
Std Dev 239.8
pull1D
Entries 81
Mean −0.007087
Std Dev 0.9029



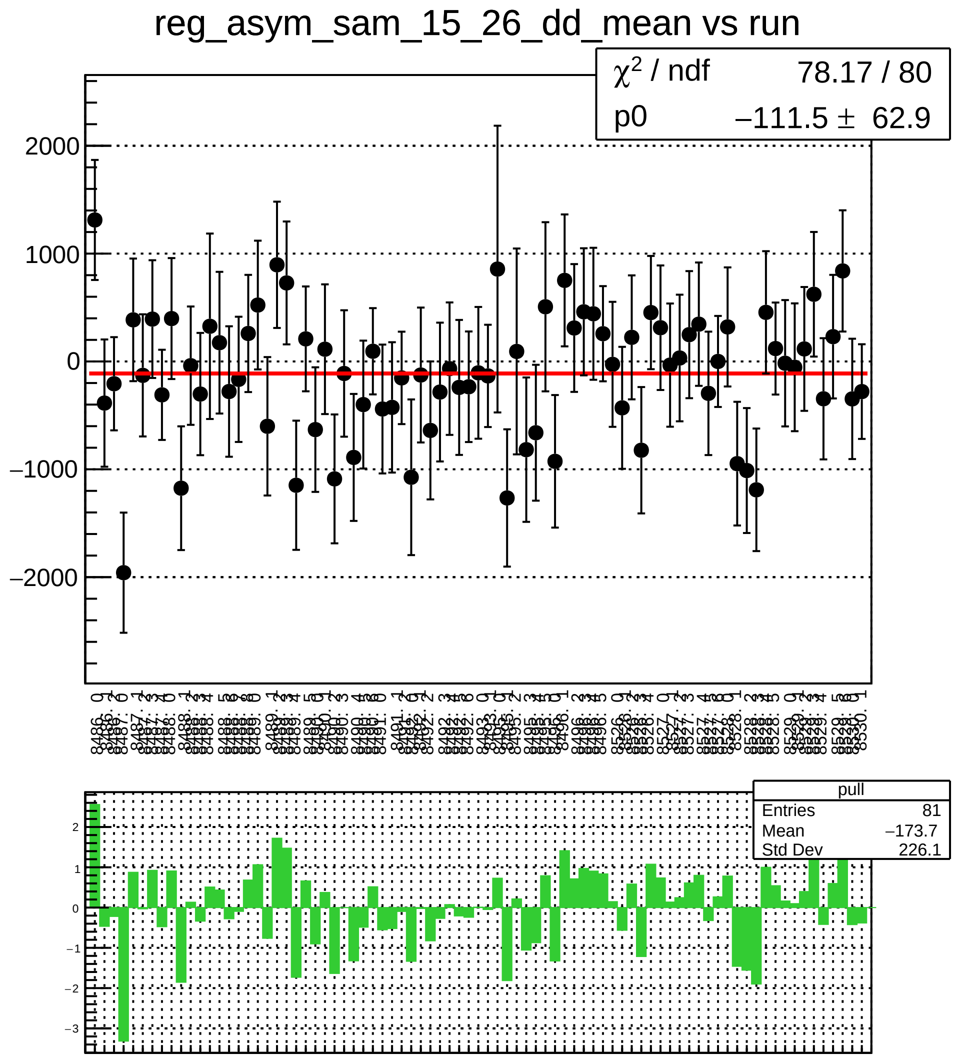
asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 6681 / 80
p0 431.7 ± 0.3396
540
520
500
480
460
440
420
400
380



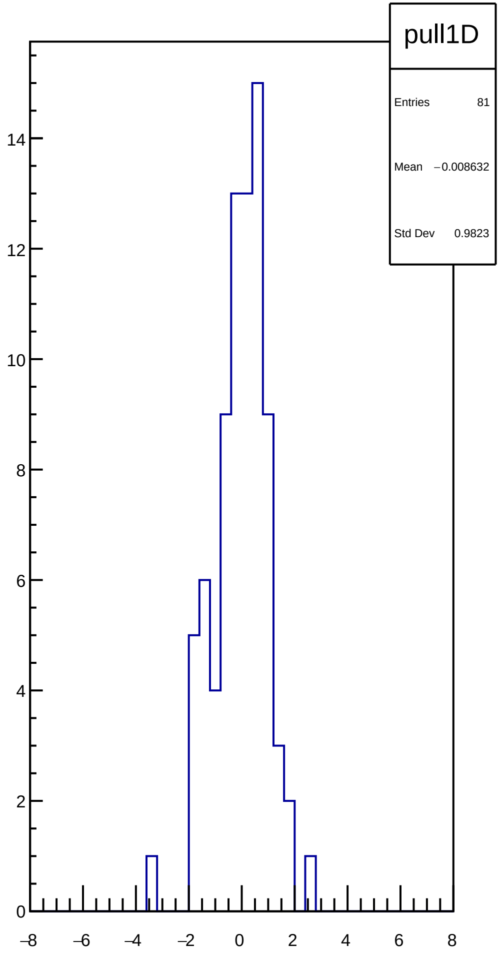
asym_sam_37_48_dd_mean vs run
χ^2 / ndf 65.16 / 80
p0 −1795 ± 483.9
pull
Entries 81
Mean 284.1
Std Dev 218.7
pull1D
Entries 81
Mean 0.008678
Std Dev 0.8969



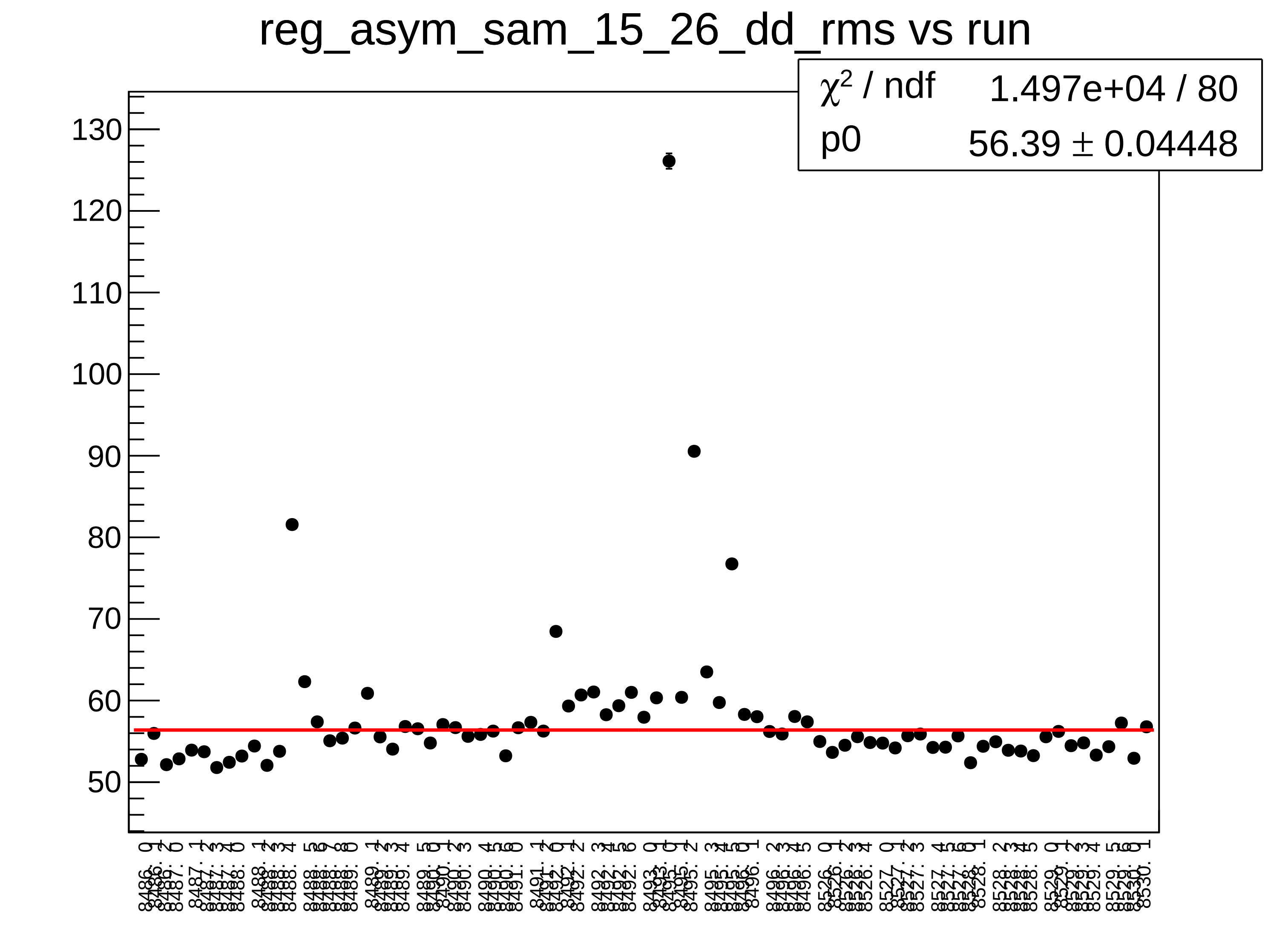
asym_sam_37_48_dd_rms vs run
χ2 / ndf 6514 / 80
p0 434.9 ± 0.3422
540
520
500
480
460
440
420
400
380



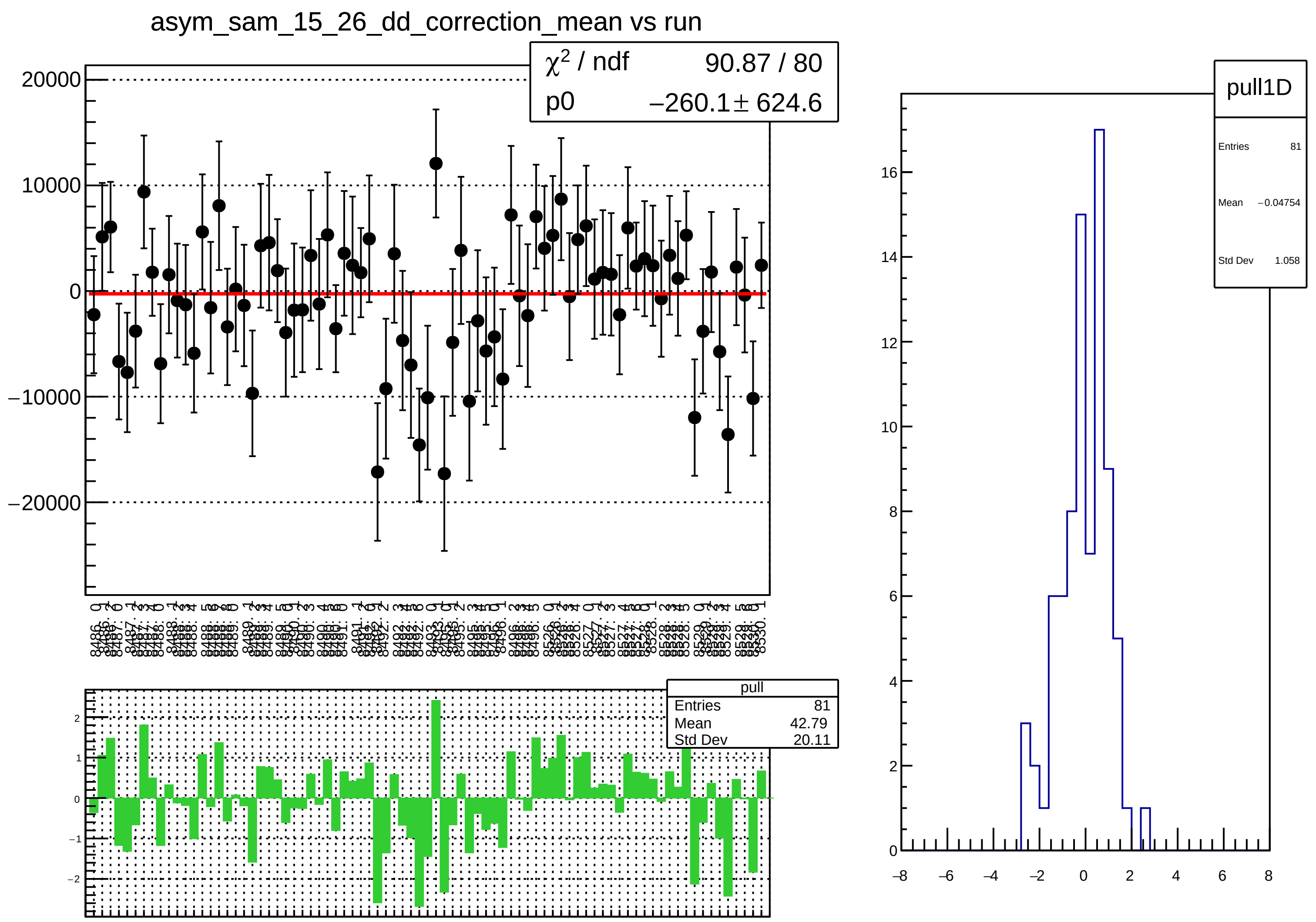
reg_asym_sam_15_26_dd_mean vs run
χ^2 / ndf 78.17 / 80
p0 −111.5 ± 62.9
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −173.7
Std Dev 226.1



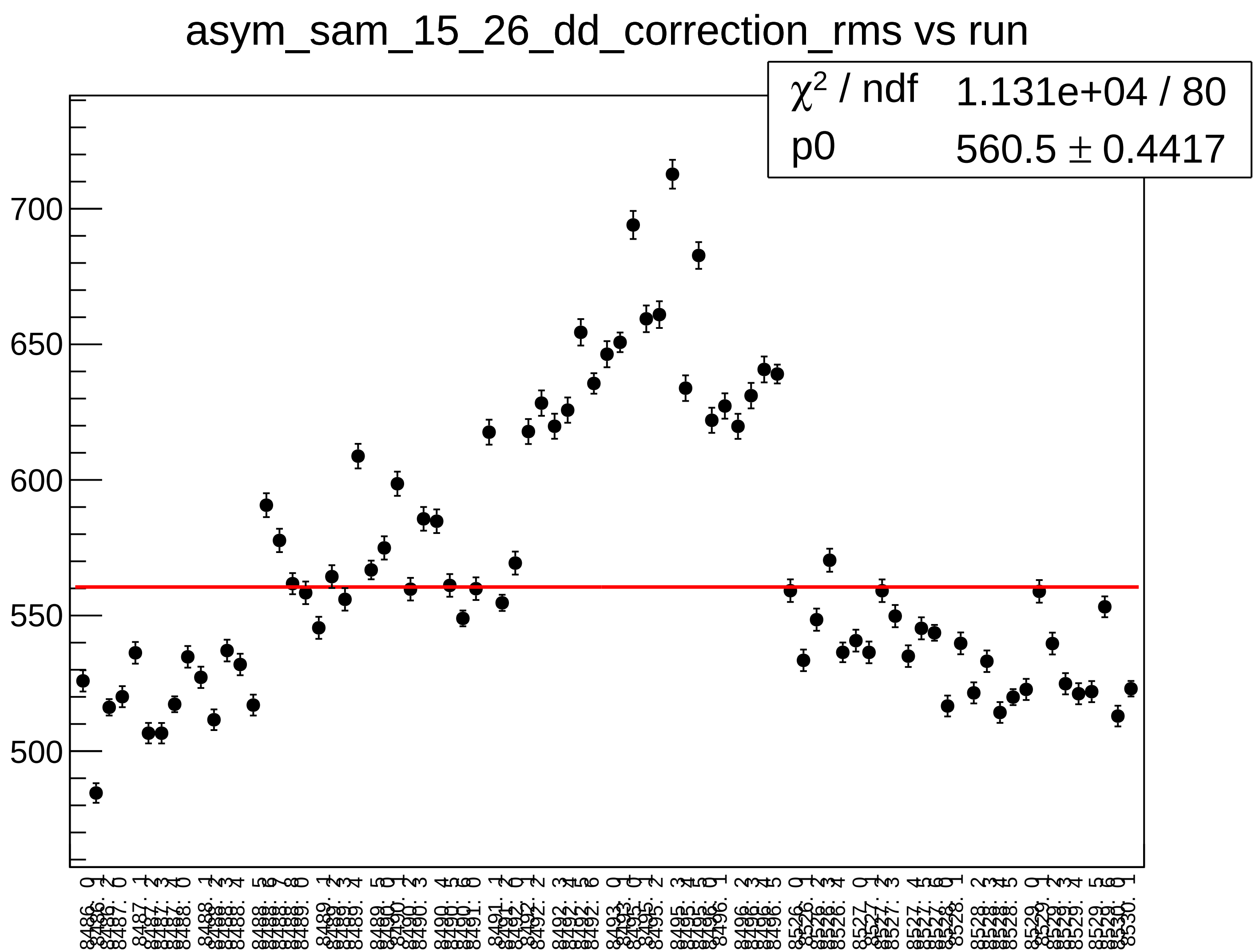
pull1D
Entries 81
Mean −0.008632
Std Dev 0.9823

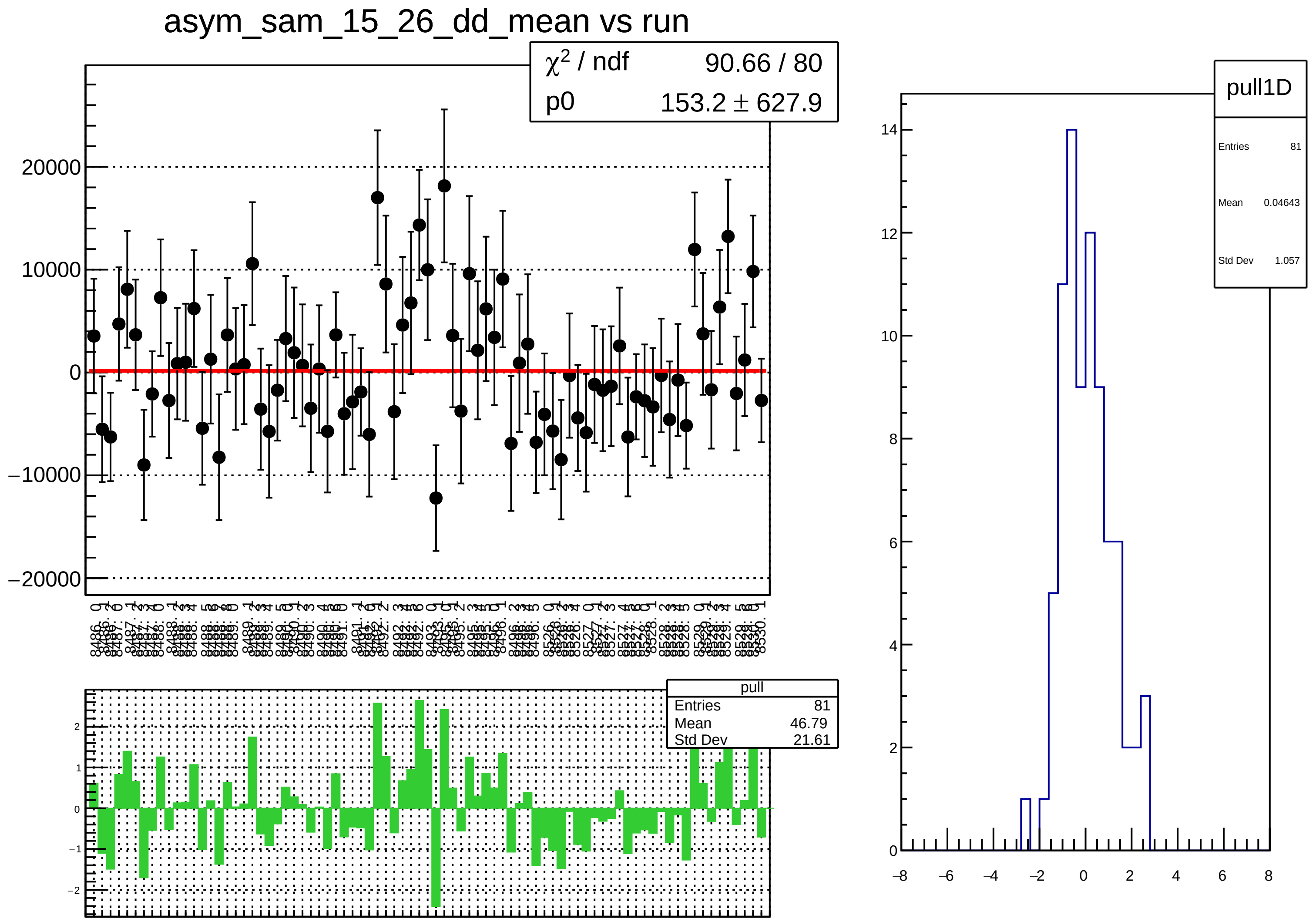


reg_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.497e+04 / 80
p0 56.39 ± 0.04448
130
120
110
100
90
80
70
60
50

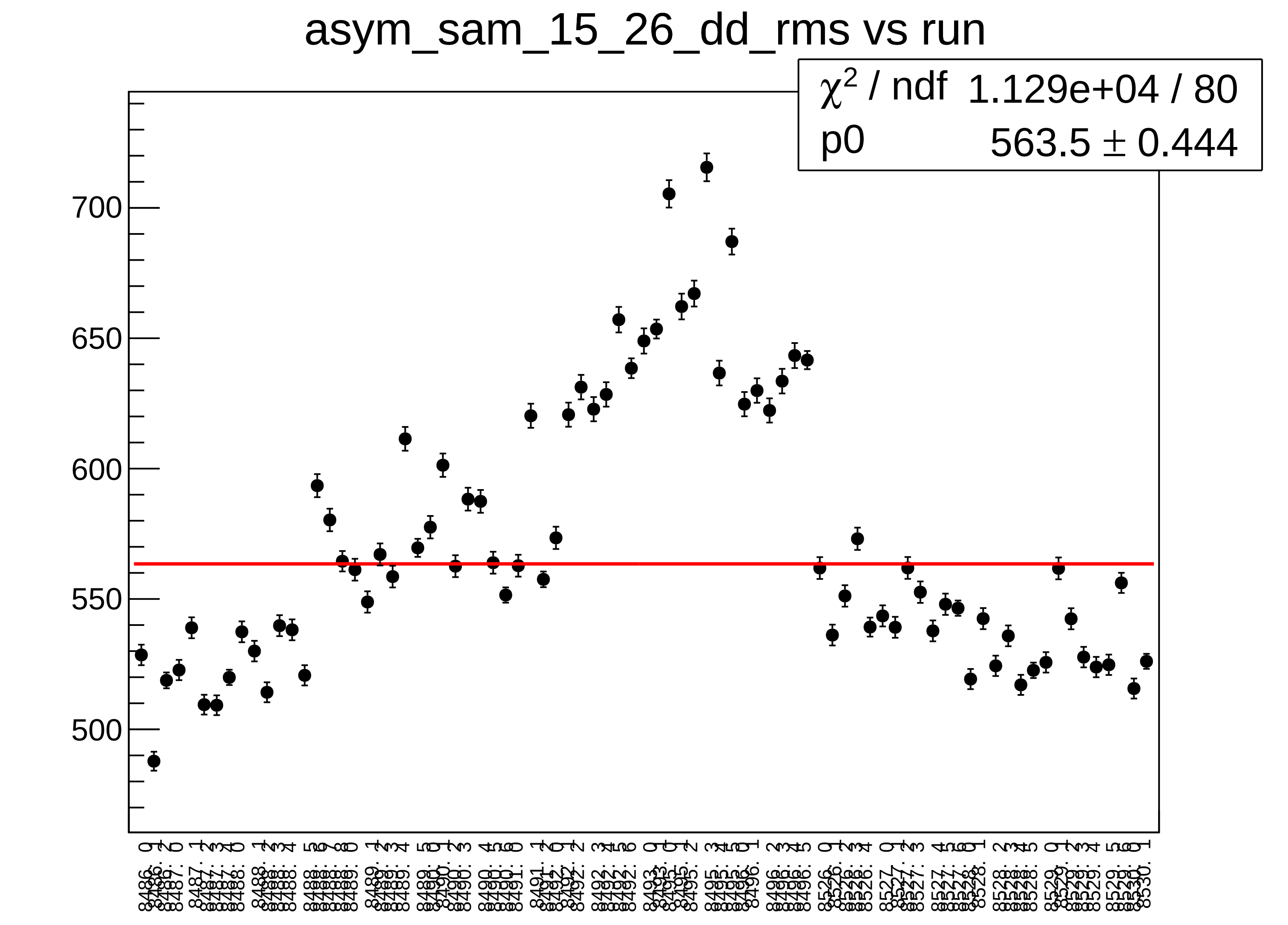


asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 90.87 / 80
p0 −260.1 ± 624.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 42.79
Std Dev 20.11
pull1D
Entries 81
Mean −0.04754
Std Dev 1.058

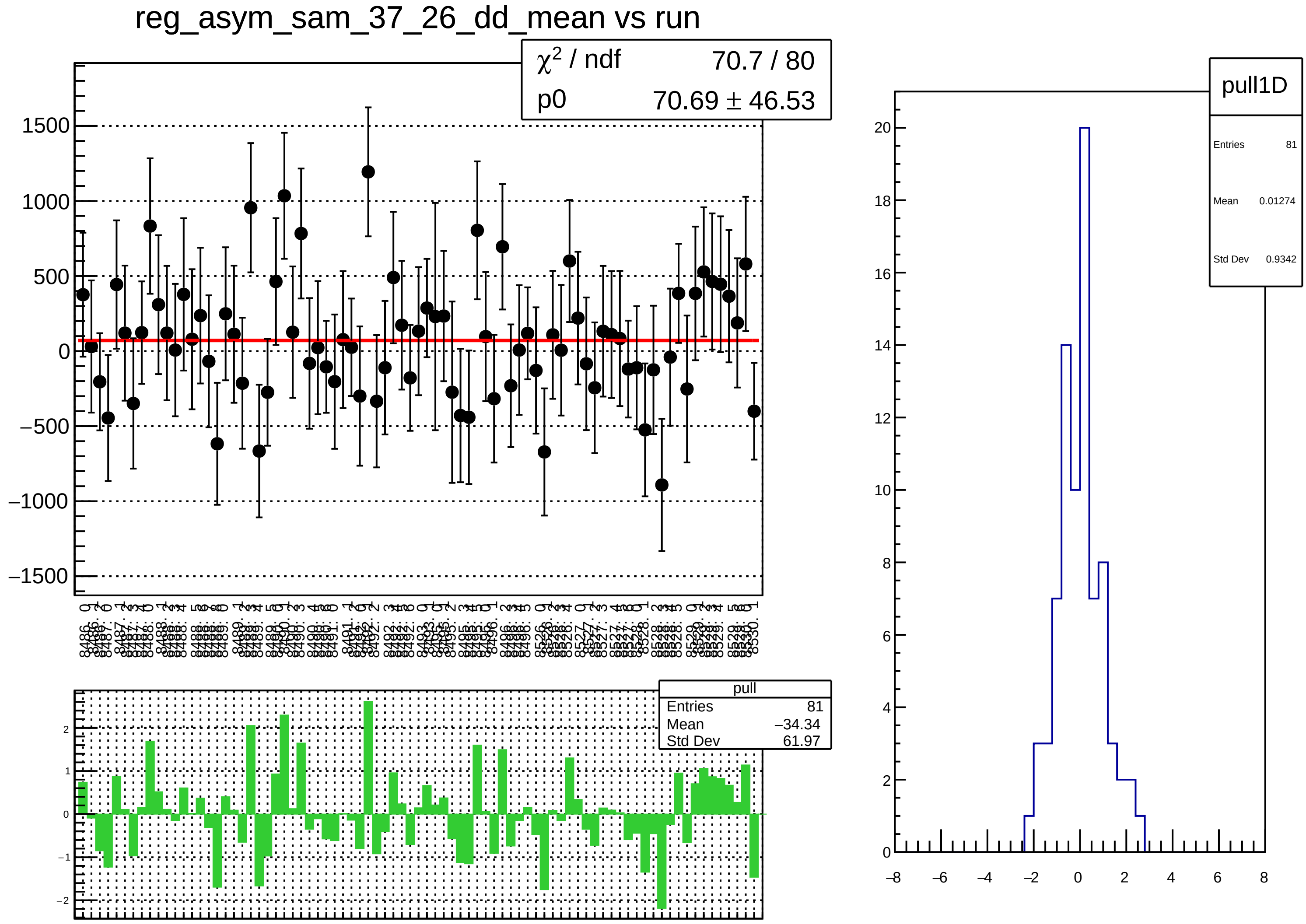

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 1.131e+04 / 80
p0 560.5 ± 0.4417
700
650
600
550
500



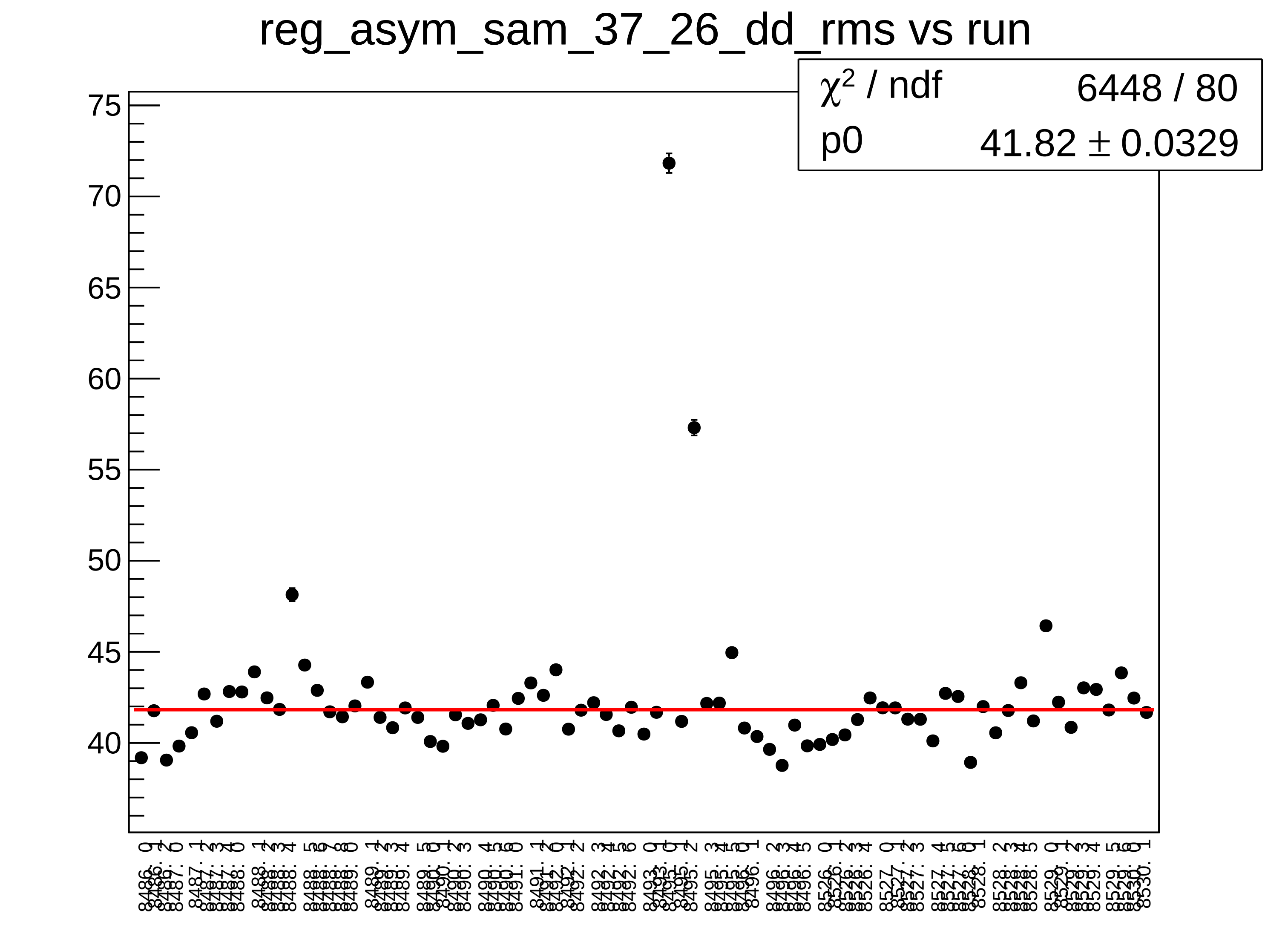
asym_sam_15_26_dd_mean vs run
χ^2 / ndf 90.66 / 80
p0 153.2 ± 627.9
pull
Entries 81
Mean 46.79
Std Dev 21.61
pull1D
Entries 81
Mean 0.04643
Std Dev 1.057

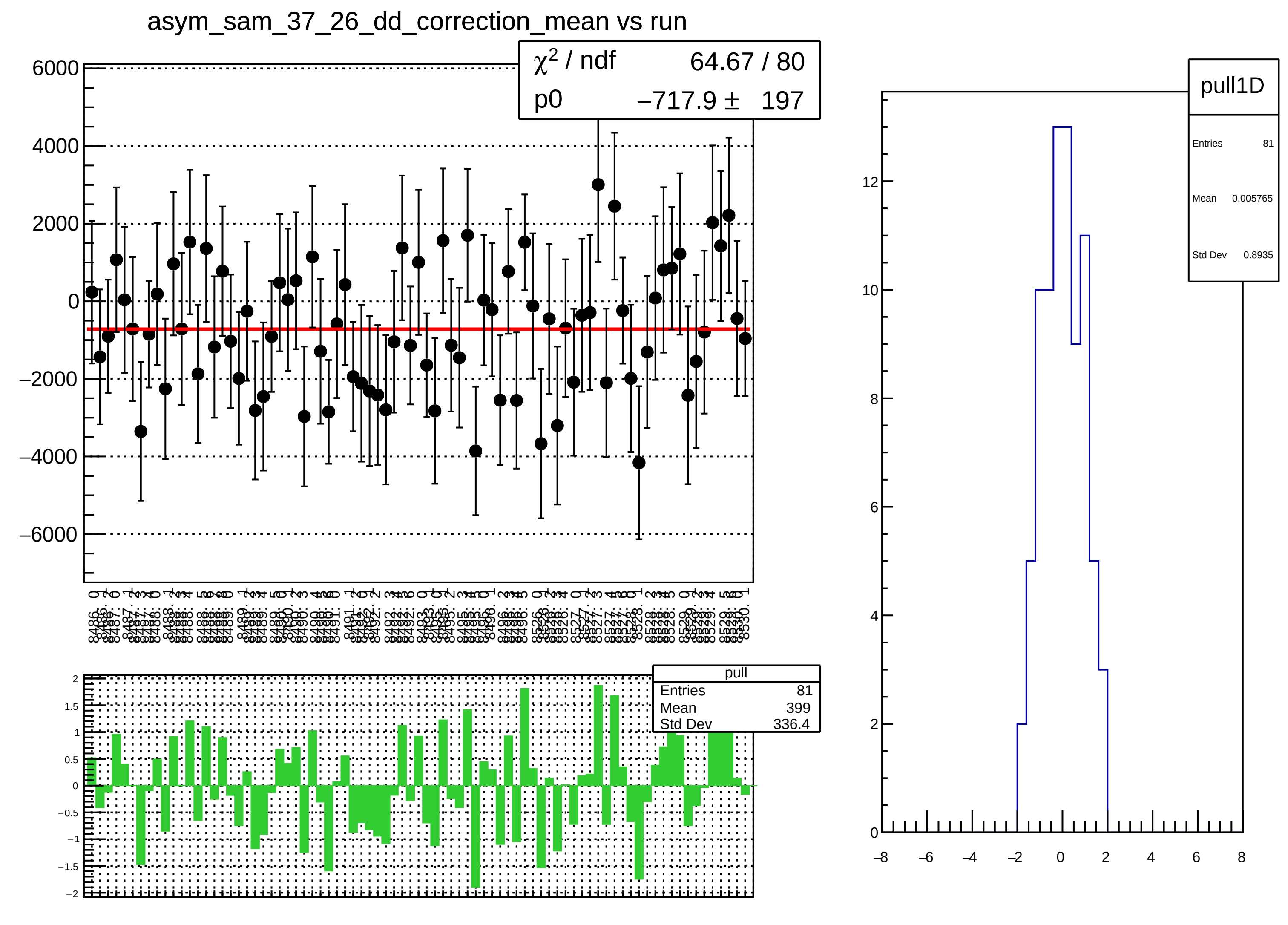


asym_sam_15_26_dd_rms vs run
χ² / ndf 1.129e+04 / 80
p0 563.5 ± 0.444
700
650
600
550
500

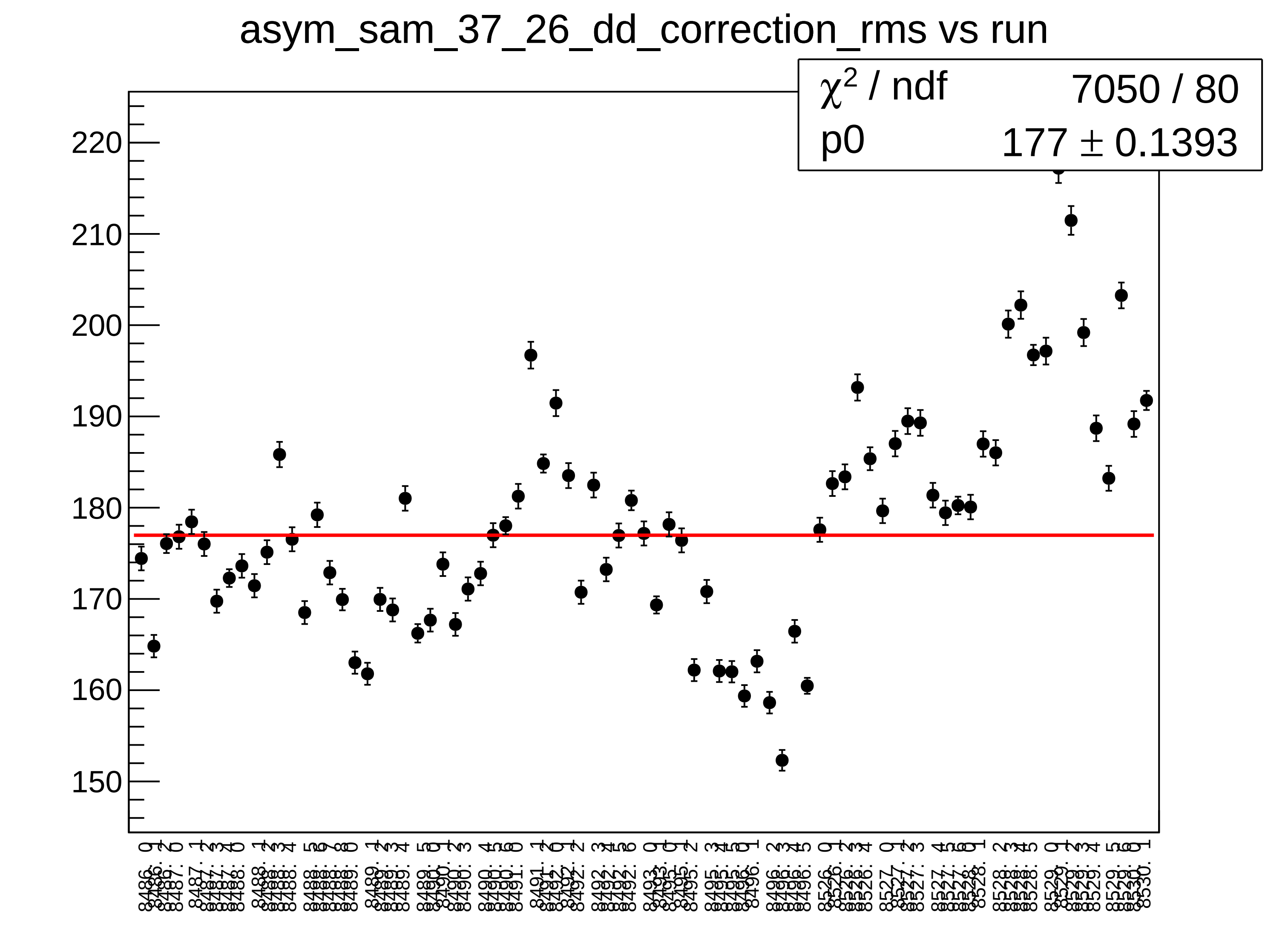


reg_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 70.7 / 80
p0 70.69 ± 46.53
pull
Entries 81
Mean −34.34
Std Dev 61.97
pull1D
Entries 81
Mean 0.01274
Std Dev 0.9342

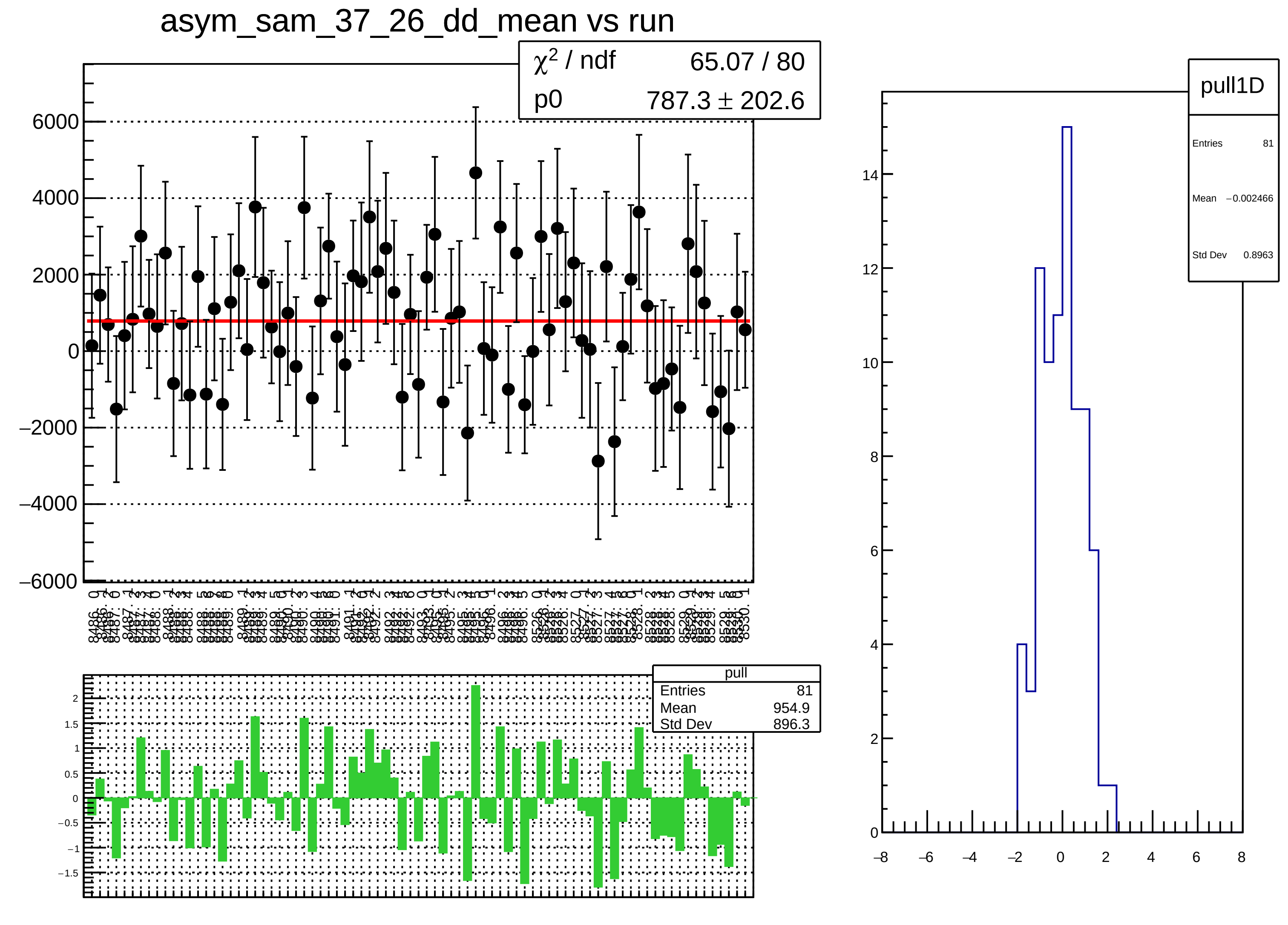

reg_asym_sam_37_26_dd_rms vs run
χ2 / ndf 6448 / 80
p0 41.82 ± 0.0329



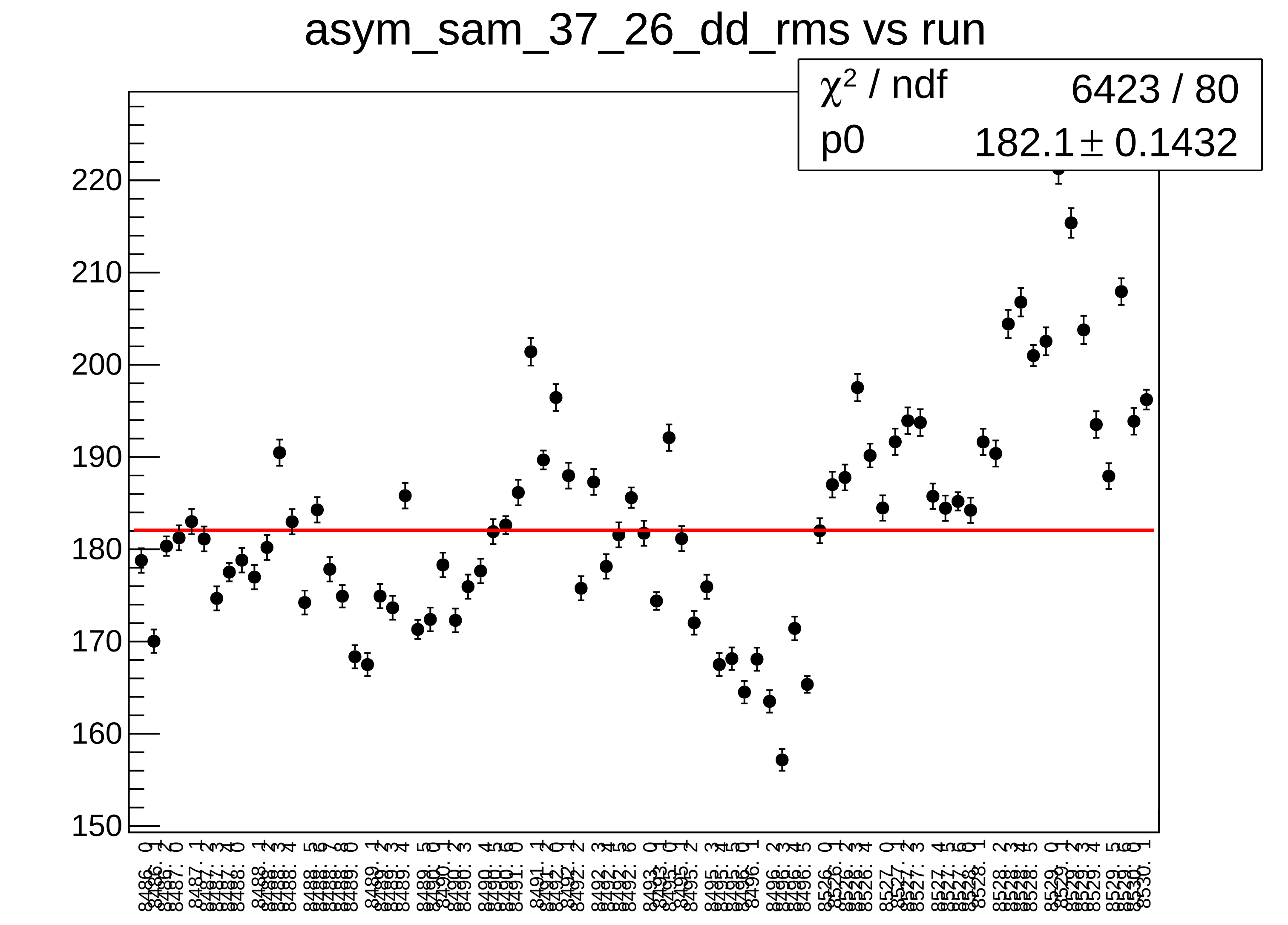
asym_sam_37_26_dd_correction_mean vs run
χ2 / ndf 64.67 / 80
p0 −717.9 ± 197
pull
Entries 81
Mean 399
Std Dev 336.4
pull1D
Entries 81
Mean 0.005765
Std Dev 0.8935

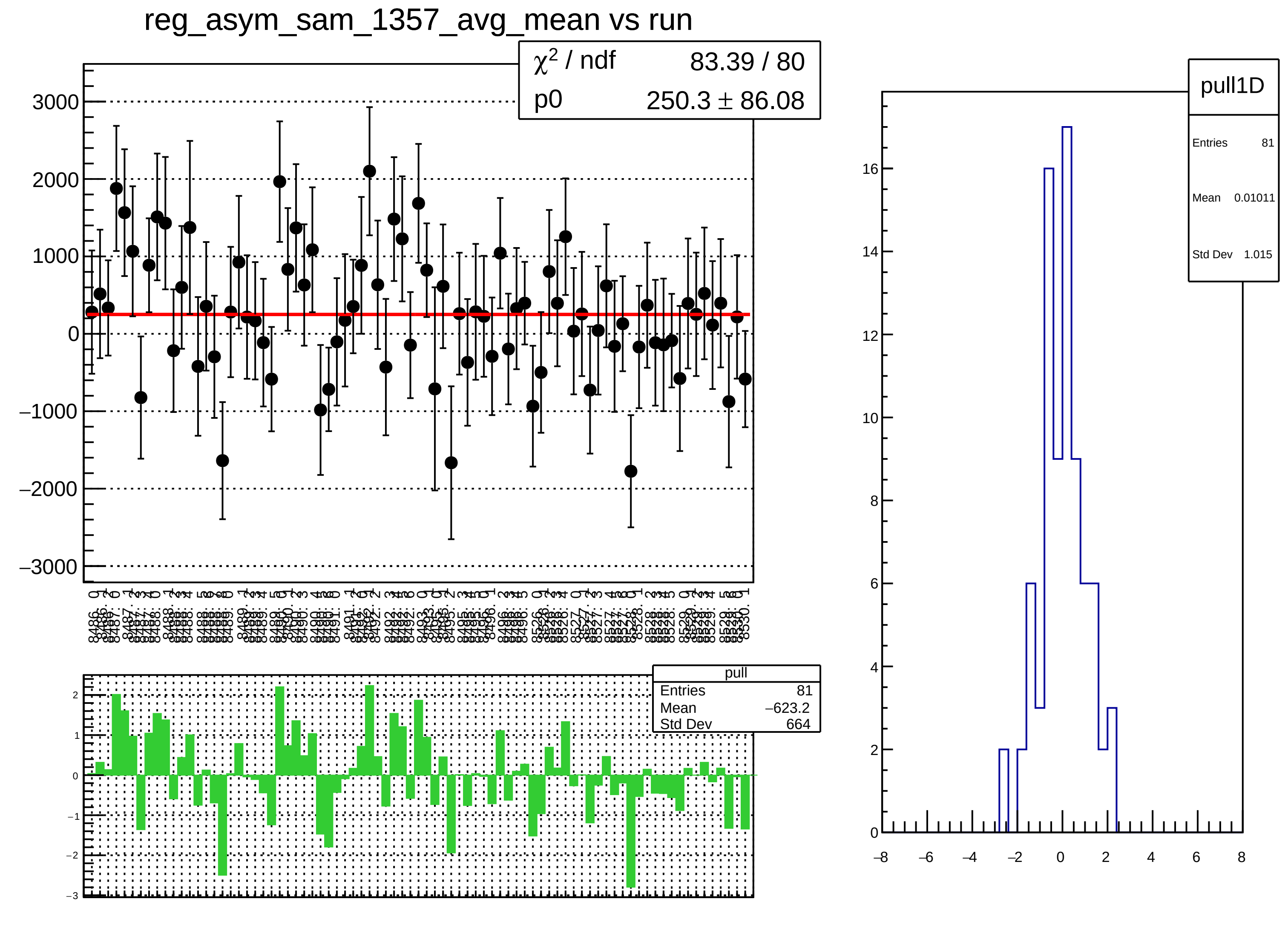


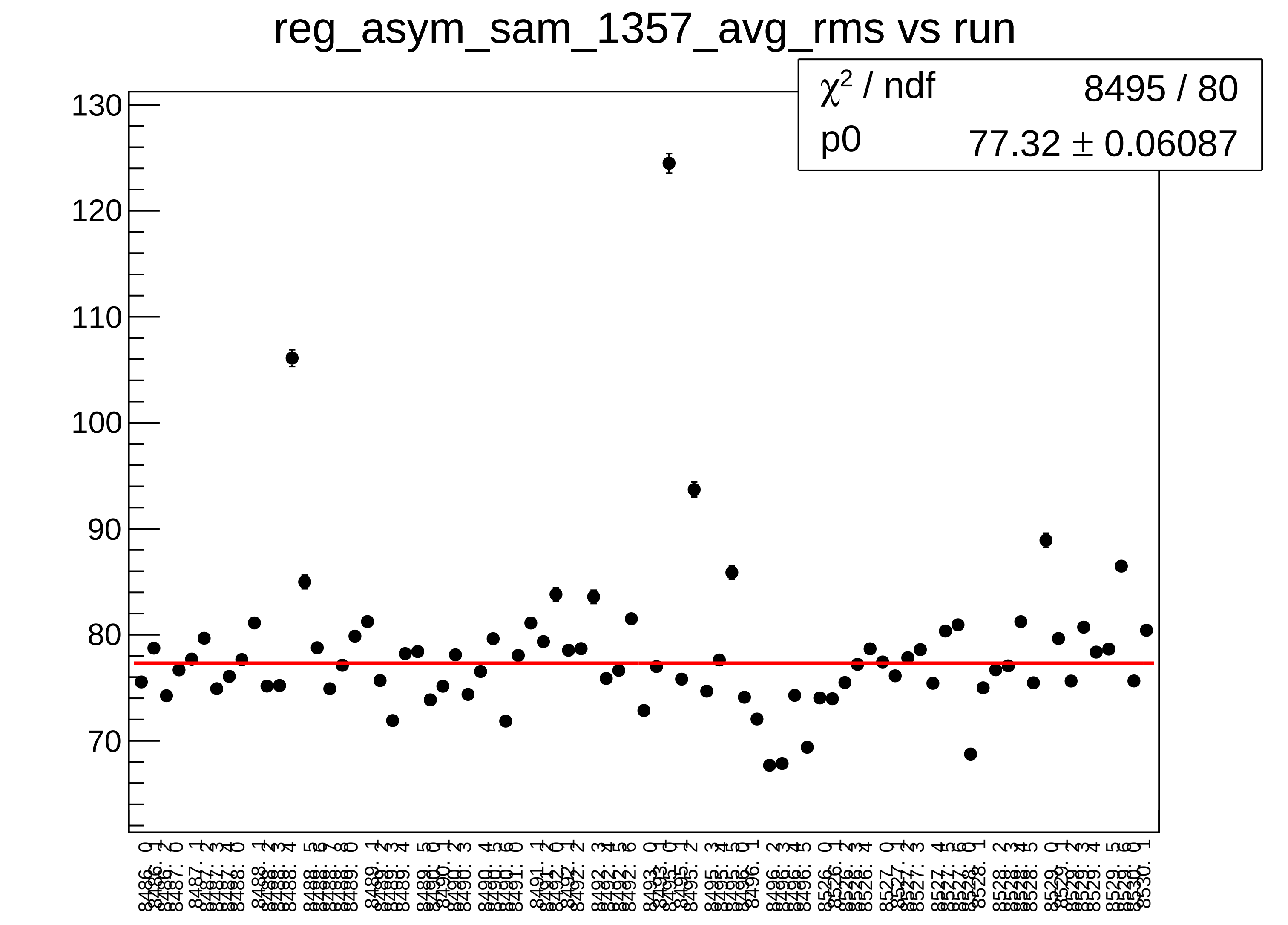
asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 7050 / 80
p0 177 ± 0.1393
220
210
200
190
180
170
160
150



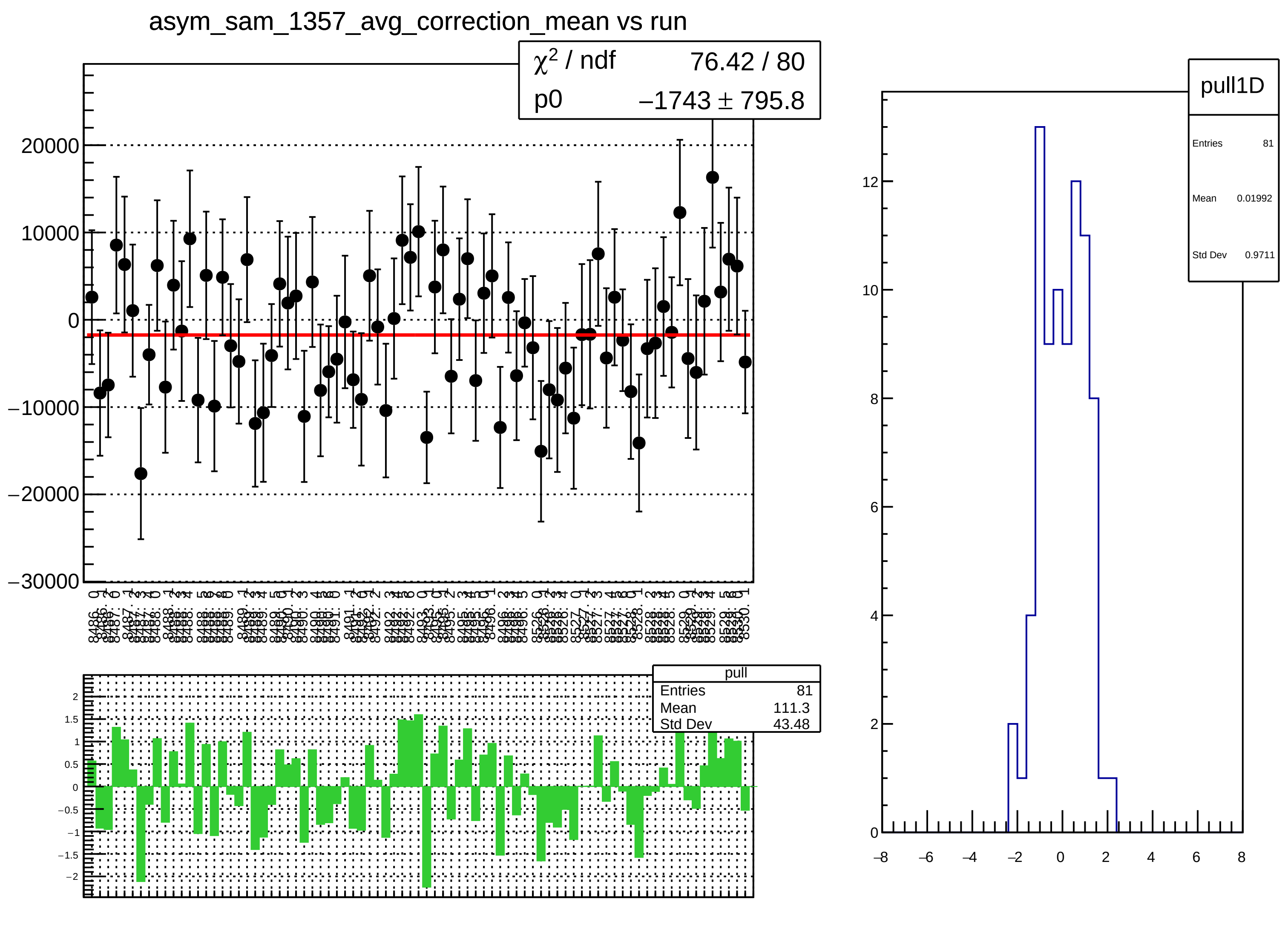
asym_sam_37_26_dd_mean vs run
χ^2 / ndf 65.07 / 80
p0 787.3 ± 202.6
pull
Entries 81
Mean 954.9
Std Dev 896.3
pull1D
Entries 81
Mean −0.002466
Std Dev 0.8963


asym_sam_37_26_dd_rms vs run
χ2 / ndf 6423 / 80
p0 182.1 ± 0.1432

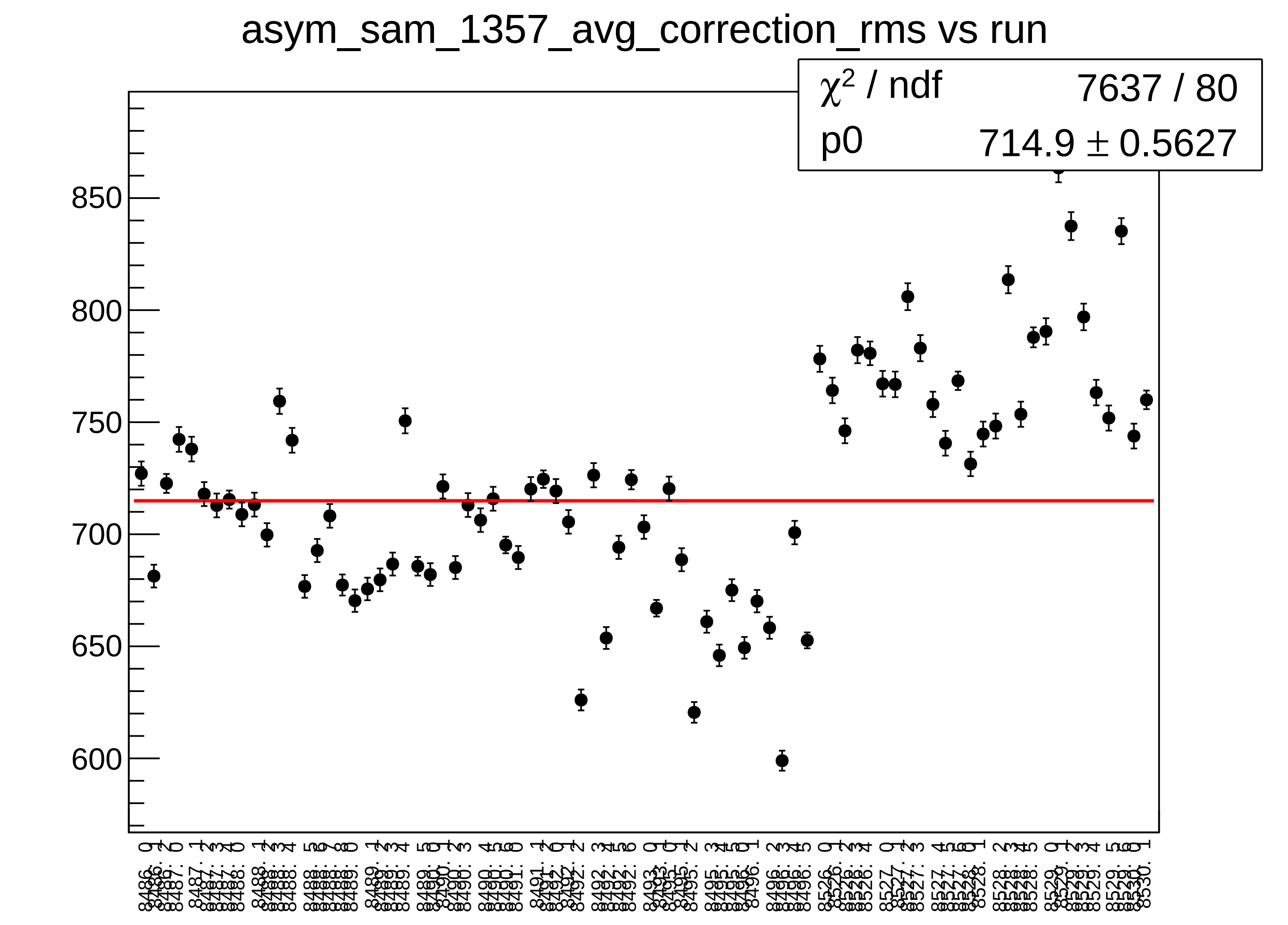

reg_asym_sam_1357_avg_mean vs run
χ^2 / ndf 83.39 / 80
p0 250.3 ± 86.08
pull
Entries 81
Mean −623.2
Std Dev 664
pull1D
Entries 81
Mean 0.01011
Std Dev 1.015

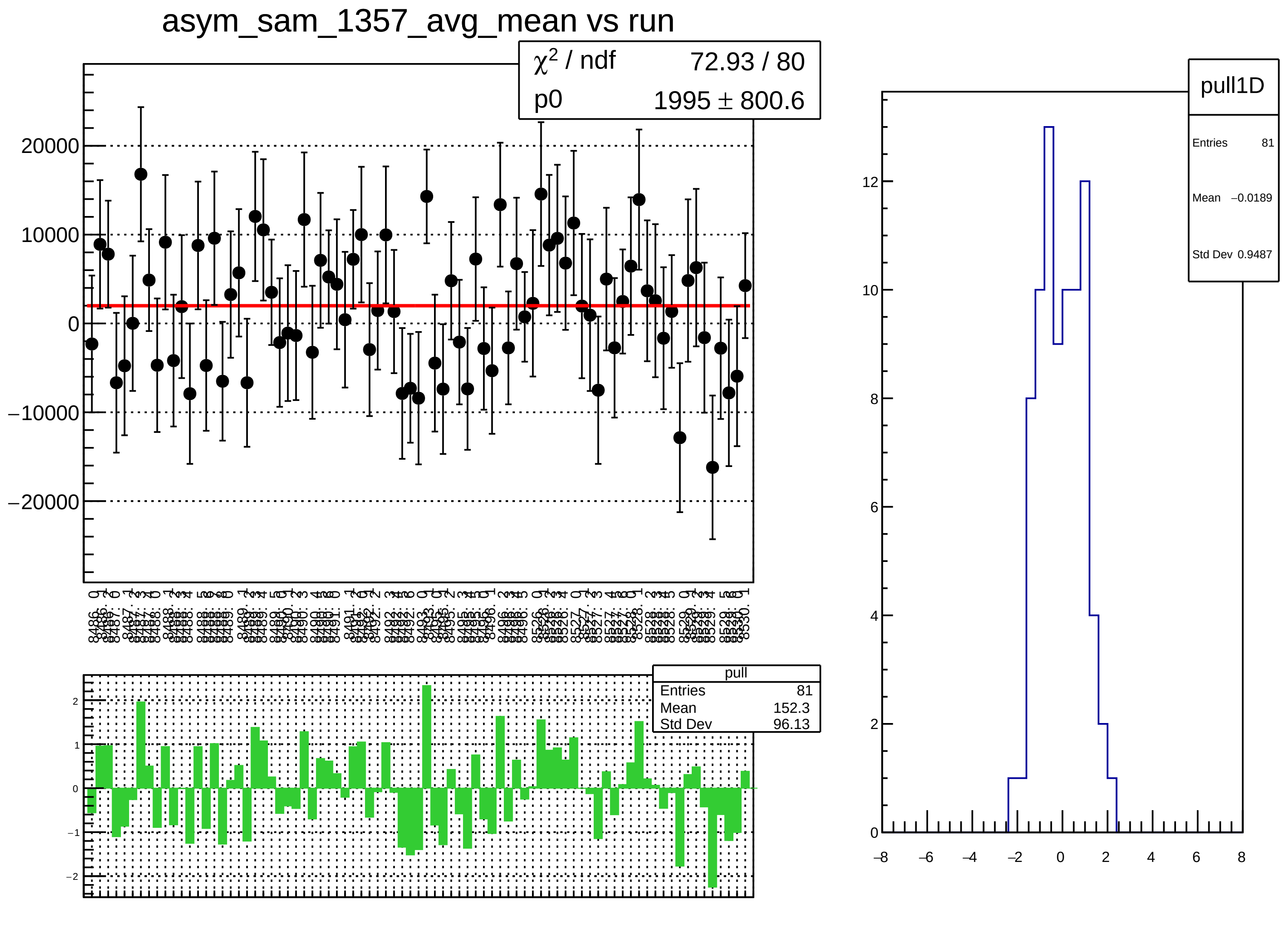


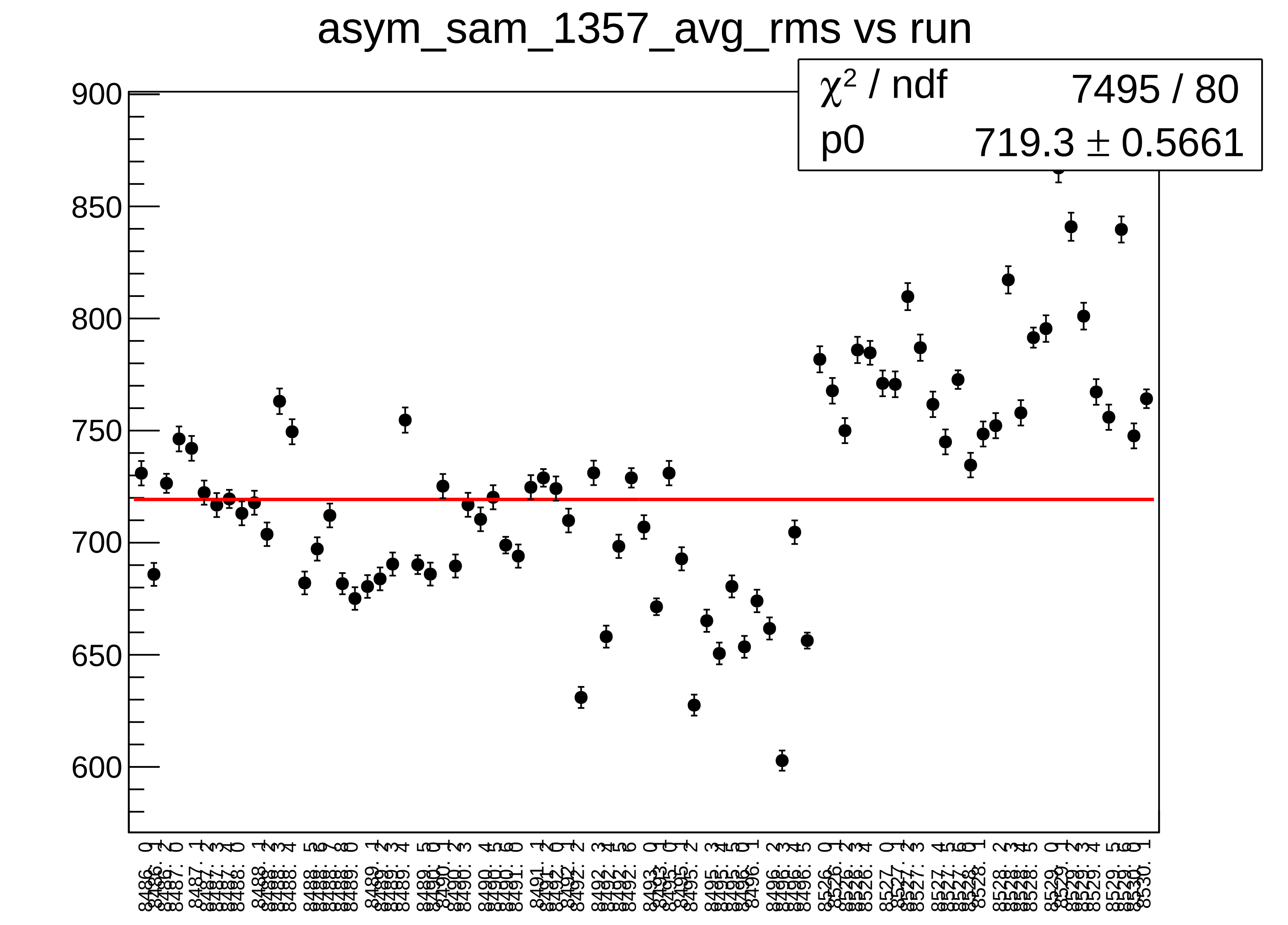
reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 8495 / 80
p0 77.32 ± 0.06087
130
120
110
100
90
80
70



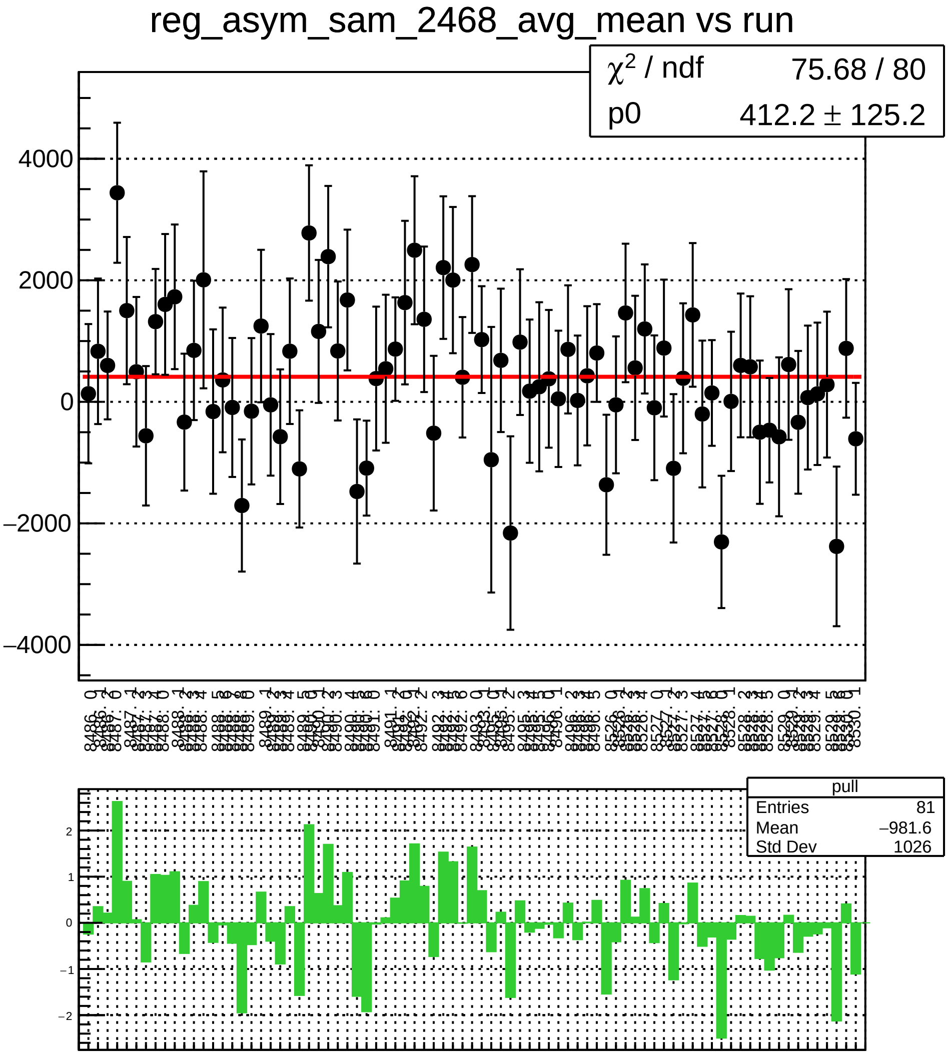
asym_sam_1357_avg_correction_mean vs run
χ2 / ndf 76.42 / 80
p0 −1743 ± 795.8
pull
Entries 81
Mean 111.3
Std Dev 43.48
pull1D
Entries 81
Mean 0.01992
Std Dev 0.9711


asym_sam_1357_avg_correction_rms vs run
χ2 / ndf 7637 / 80
p0 714.9 ± 0.5627
850
800
750
700
650
600

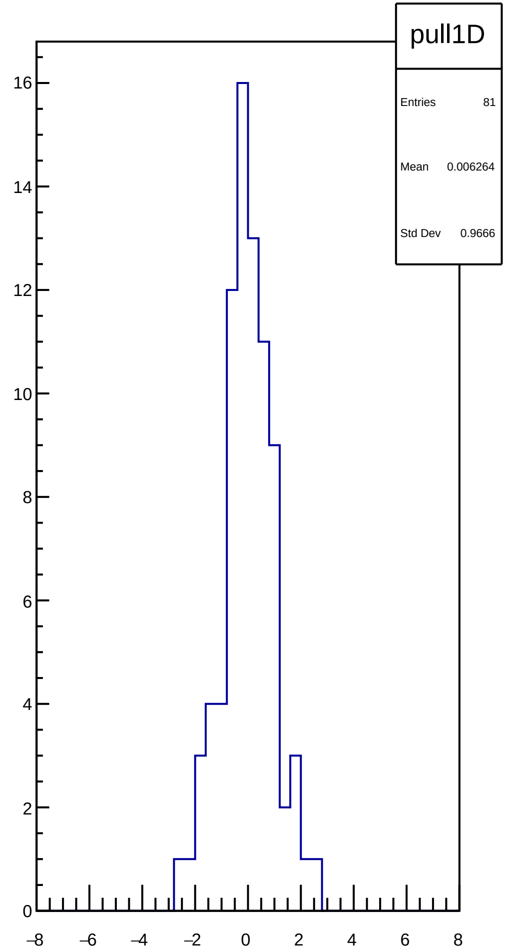

asym_sam_1357_avg_mean vs run
χ^2 / ndf 72.93 / 80
p0 1995 ± 800.6
pull
Entries 81
Mean 152.3
Std Dev 96.13
pull1D
Entries 81
Mean −0.0189
Std Dev 0.9487



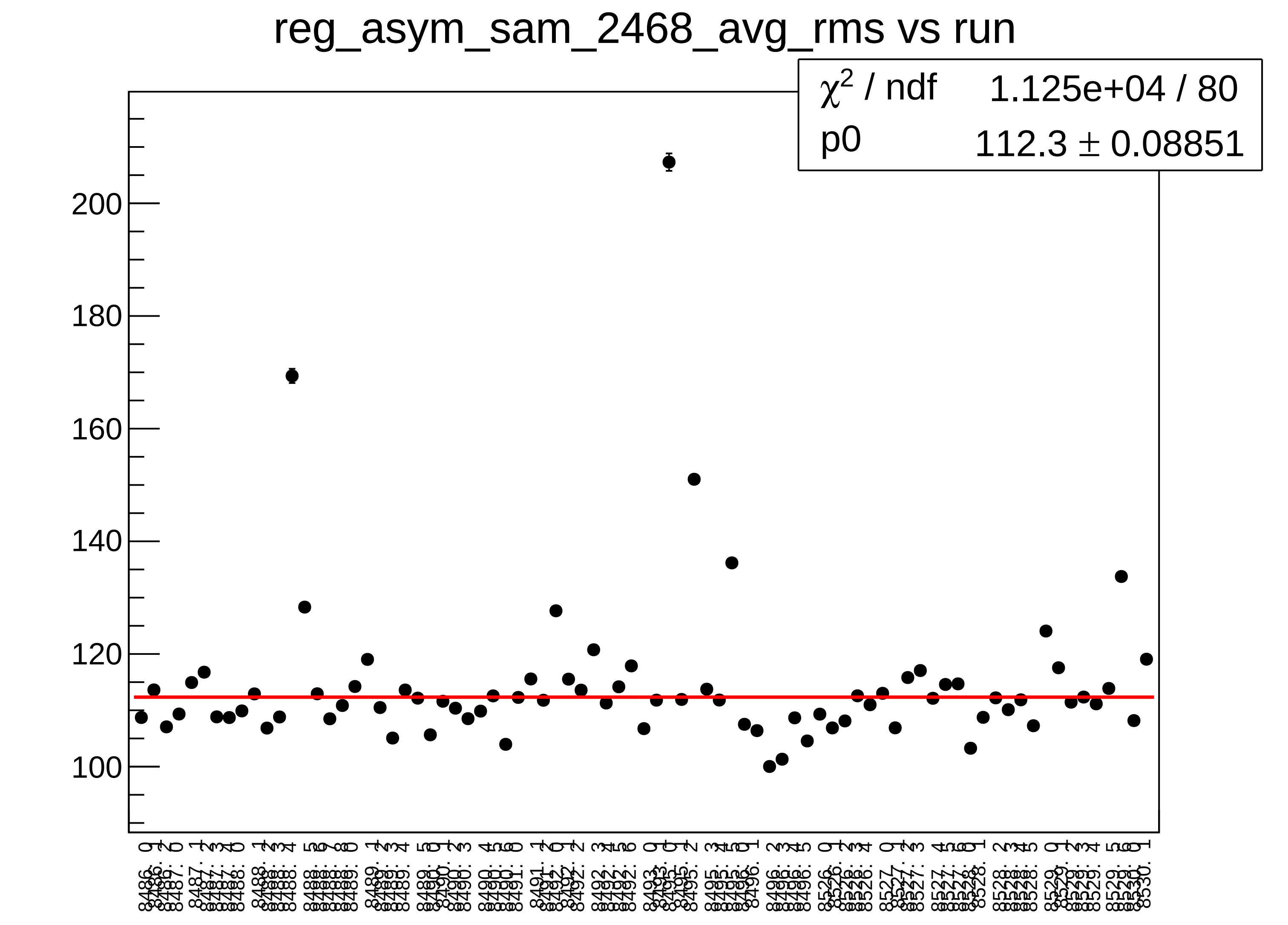
asym_sam_1357_avg_rms vs run
χ2 / ndf 7495 / 80
p0 719.3 ± 0.5661

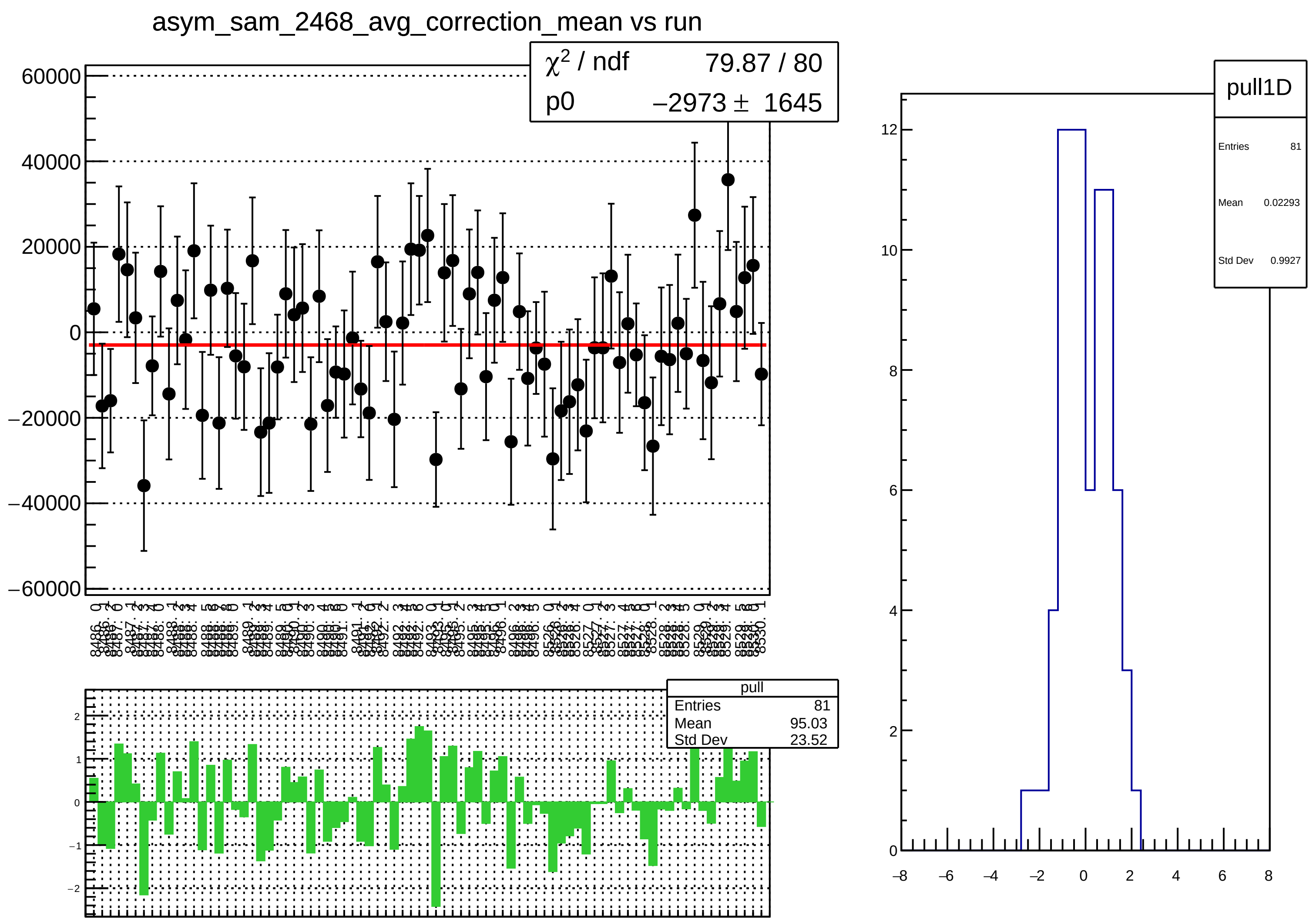


reg_asym_sam_2468_avg_mean vs run
χ^2 / ndf 75.68 / 80
p0 412.2 ± 125.2
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −981.6
Std Dev 1026

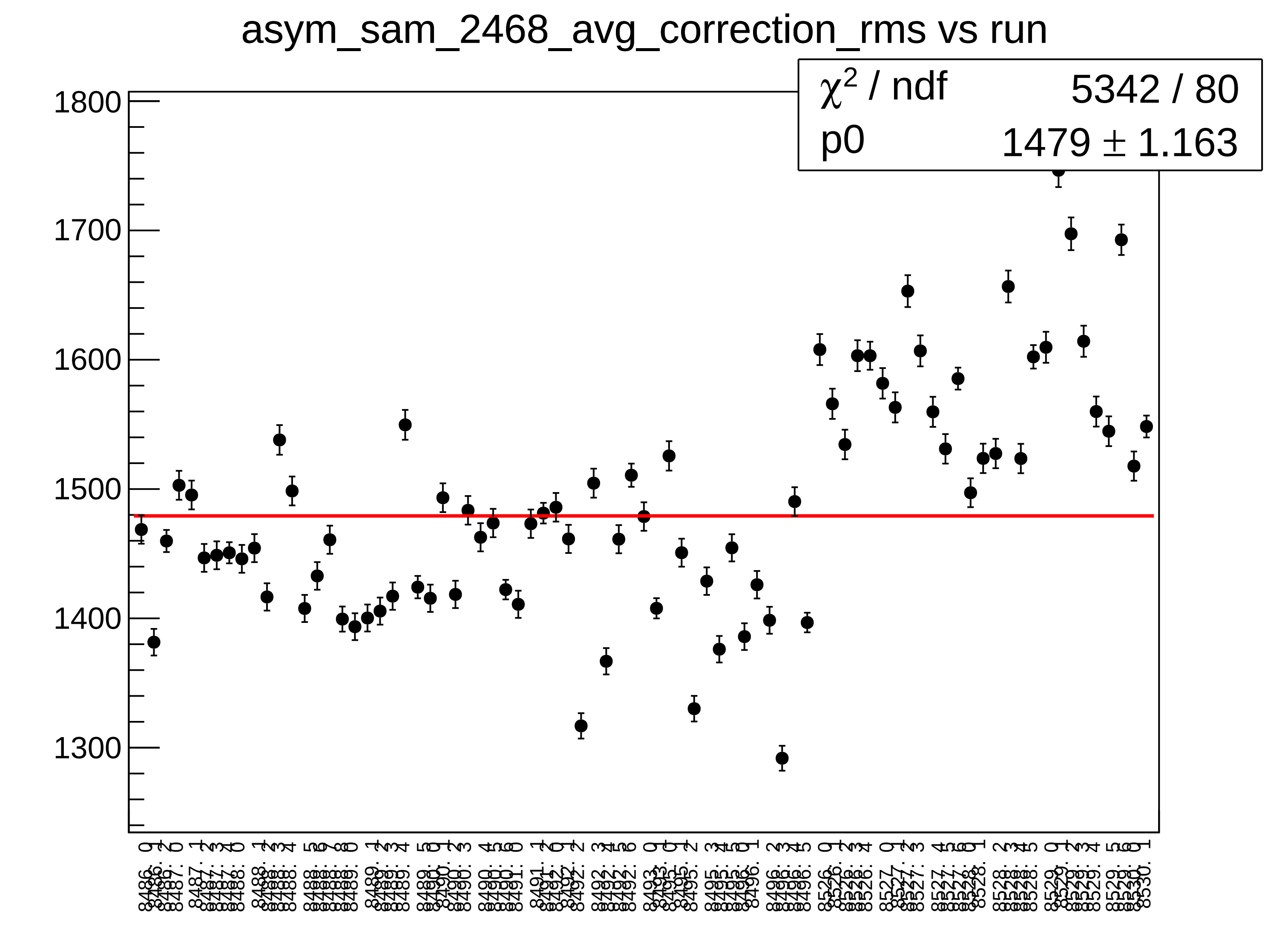


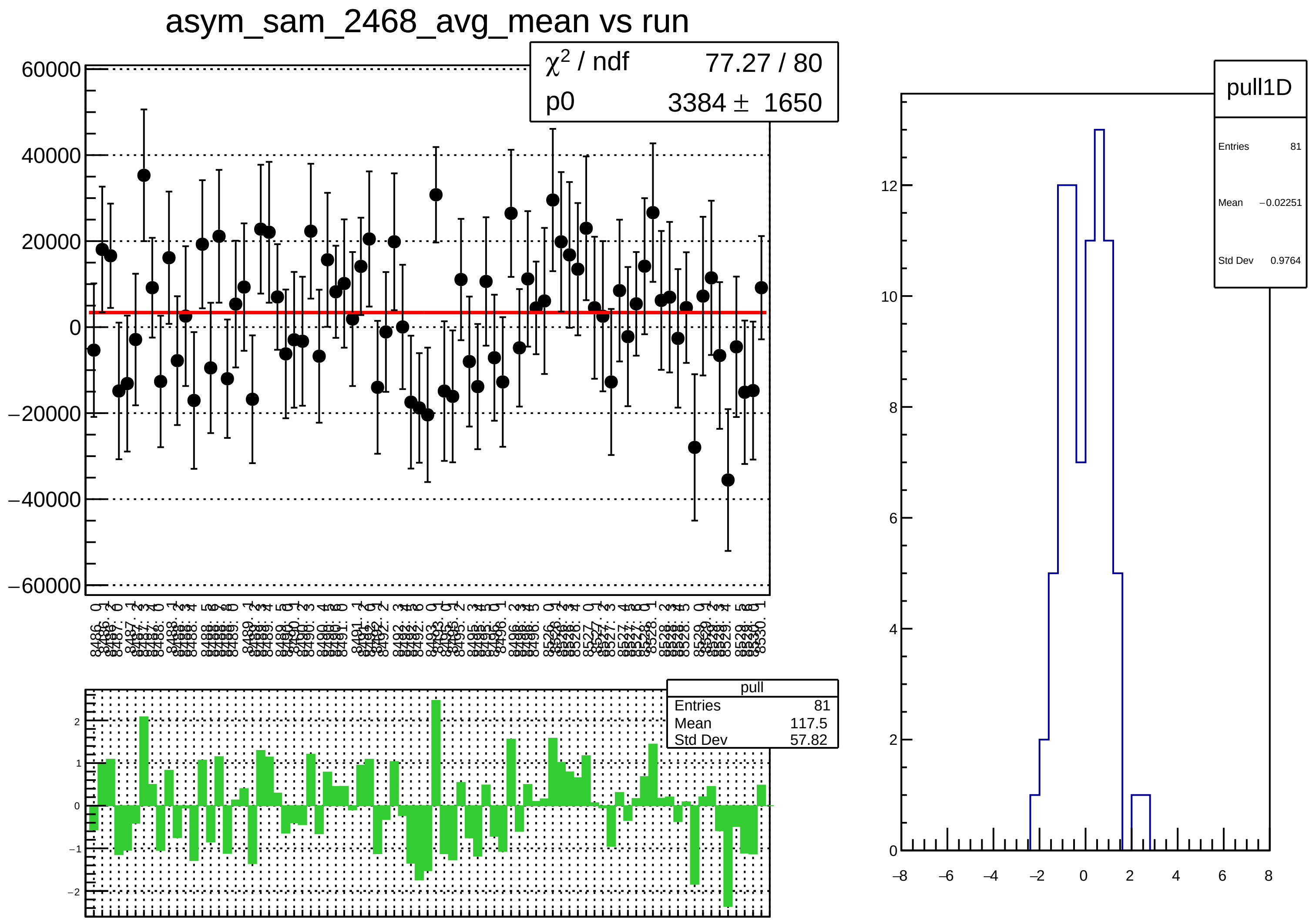
pull1D
Entries 81
Mean 0.006264
Std Dev 0.9666

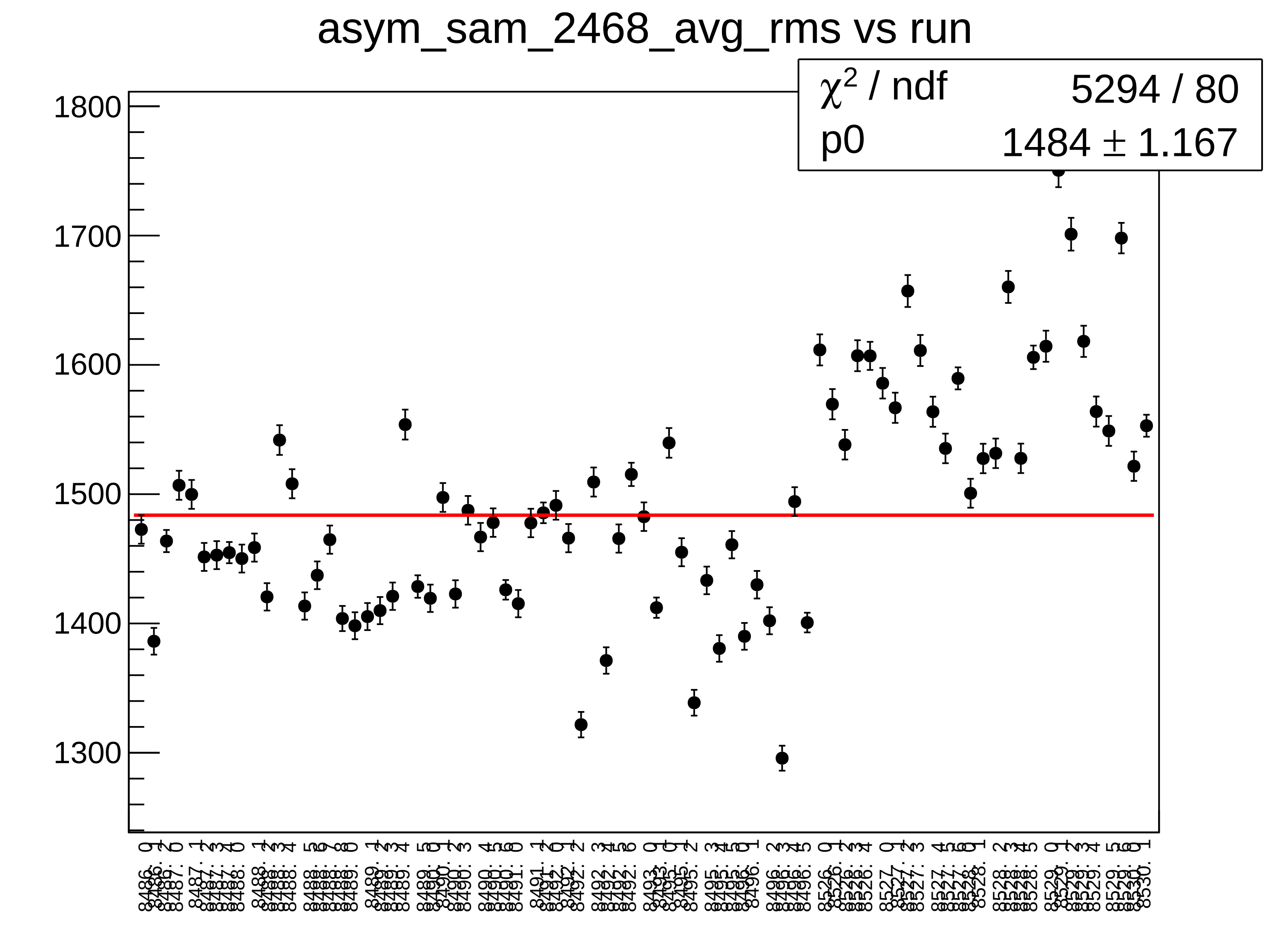

reg_asym_sam_2468_avg_rms vs run
χ2 / ndf 1.125e+04 / 80
p0 112.3 ± 0.08851
200
180
160
140
120
100



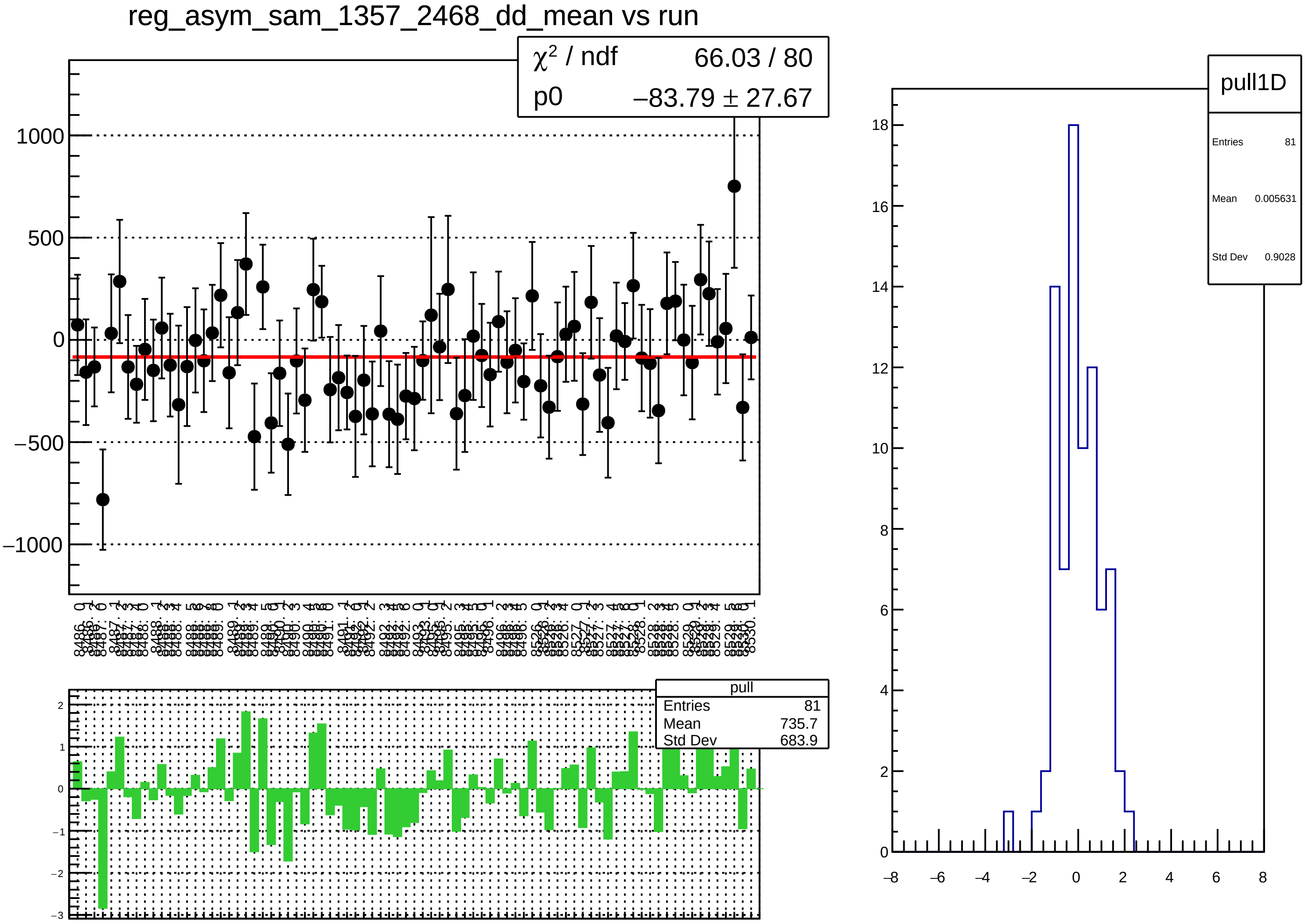
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 79.87 / 80
p0 −2973 ± 1645
pull
Entries 81
Mean 95.03
Std Dev 23.52
pull1D
Entries 81
Mean 0.02293
Std Dev 0.9927


asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 5342 / 80
p0 1479 ± 1.163
1800
1700
1600
1500
1400
1300

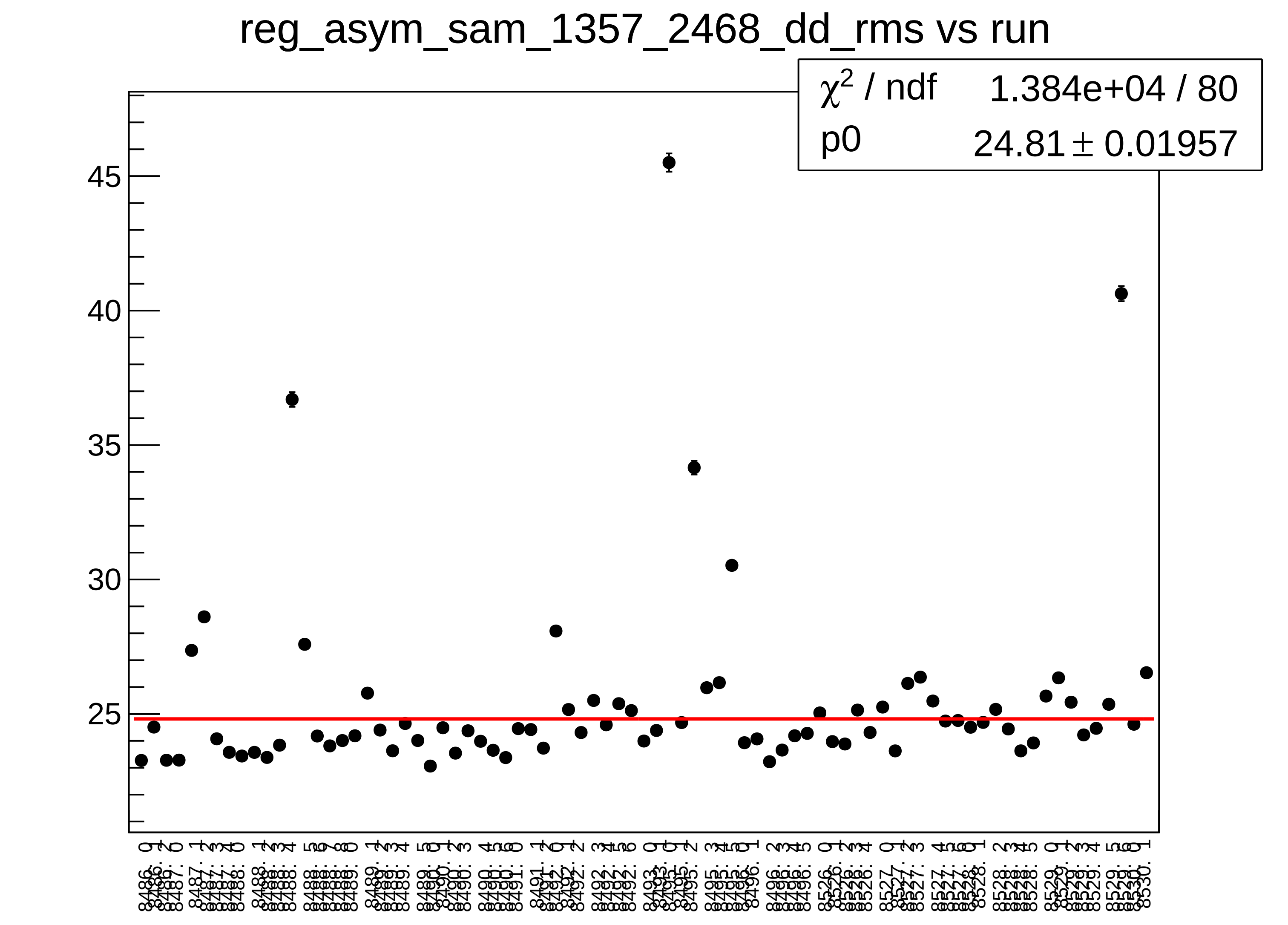

asym_sam_2468_avg_mean vs run
χ^2 / ndf 77.27 / 80
p0 3384 ± 1650
pull
Entries 81
Mean 117.5
Std Dev 57.82
pull1D
Entries 81
Mean −0.02251
Std Dev 0.9764



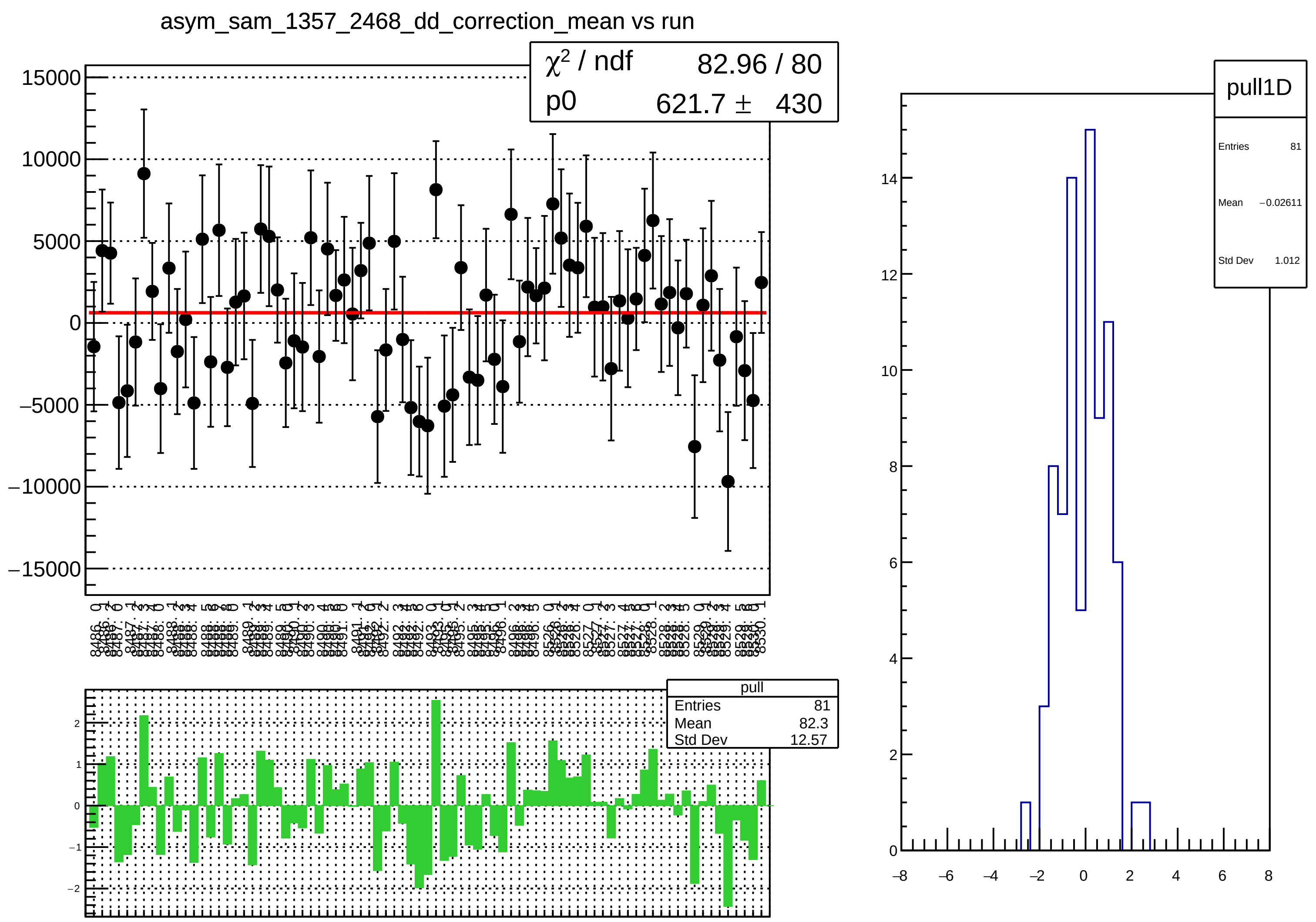
asym_sam_2468_avg_rms vs run
χ^2 / ndf 5294 / 80
p0 1484 ± 1.167

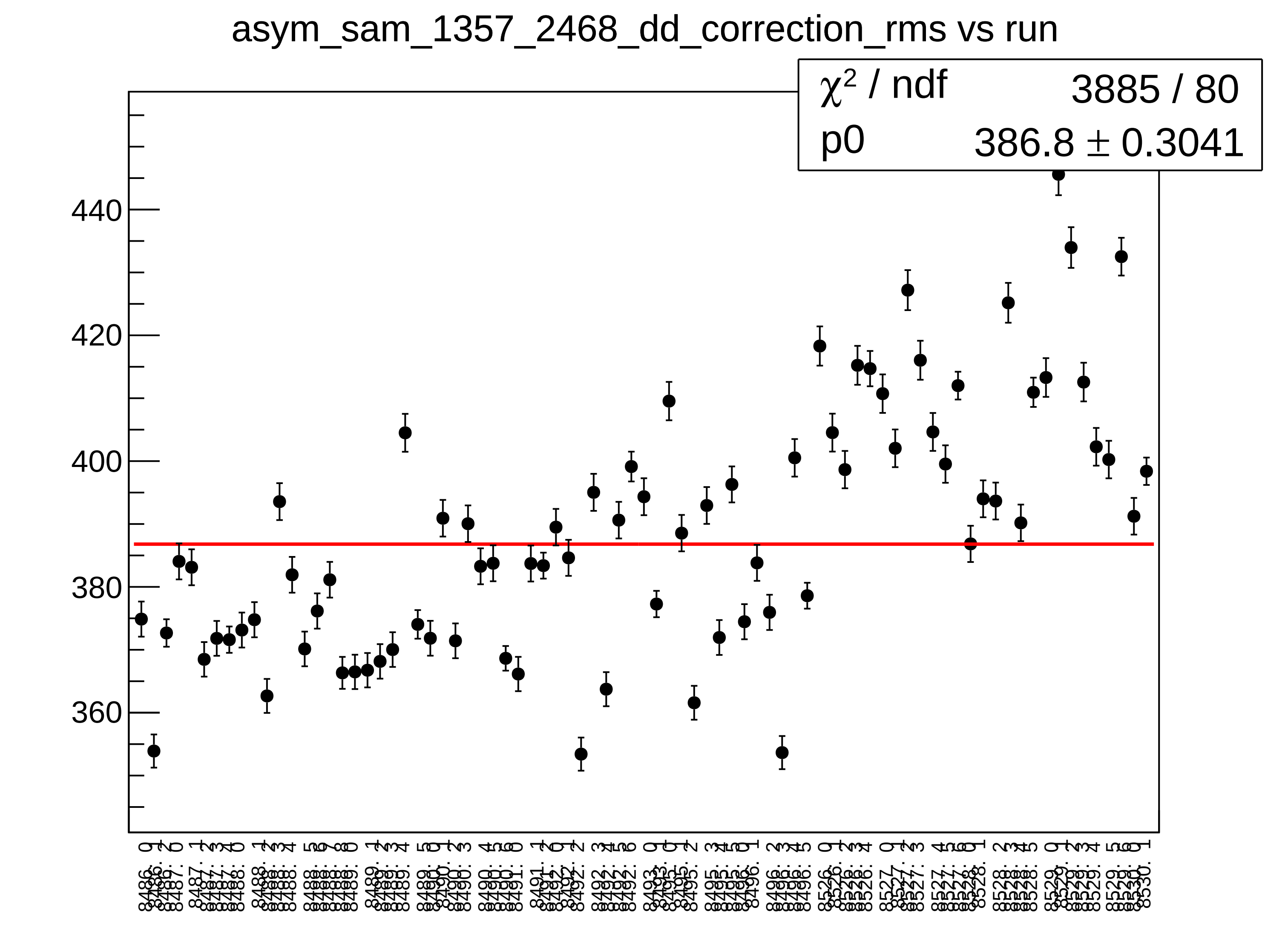


reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 66.03 / 80
p0 −83.79 ± 27.67
1000
500
0
−500
−1000
pull
Entries 81
Mean 735.7
Std Dev 683.9
pull1D
Entries 81
Mean 0.005631
Std Dev 0.9028

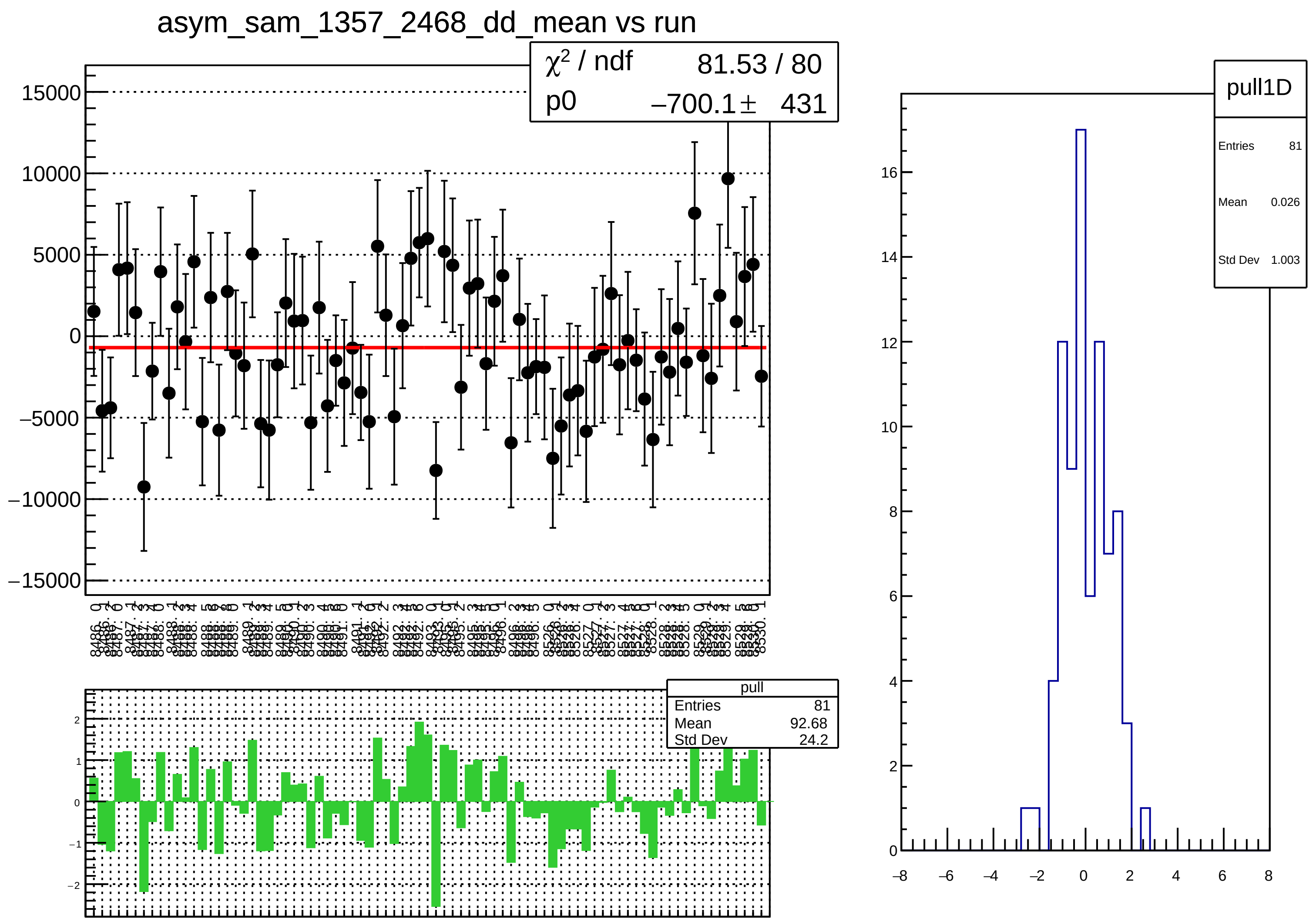


reg_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 1.384e+04 / 80
p0 24.81 ± 0.01957
45
40
35
30
25

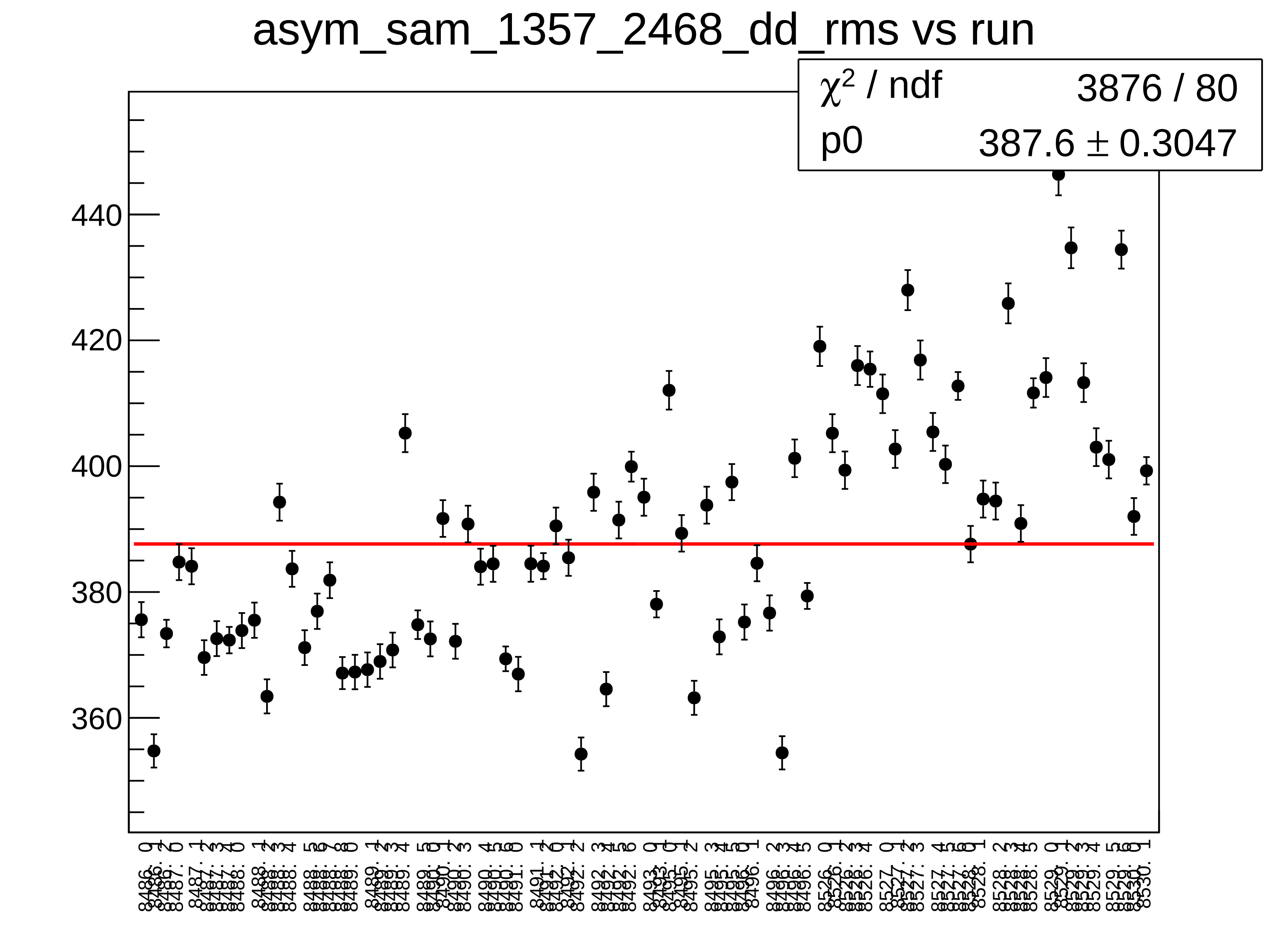

asym_sam_1357_2468_dd_correction_mean vs run
χ2 / ndf 82.96 / 80
p0 621.7 ± 430
pull
Entries 81
Mean 82.3
Std Dev 12.57
pull1D
Entries 81
Mean −0.02611
Std Dev 1.012



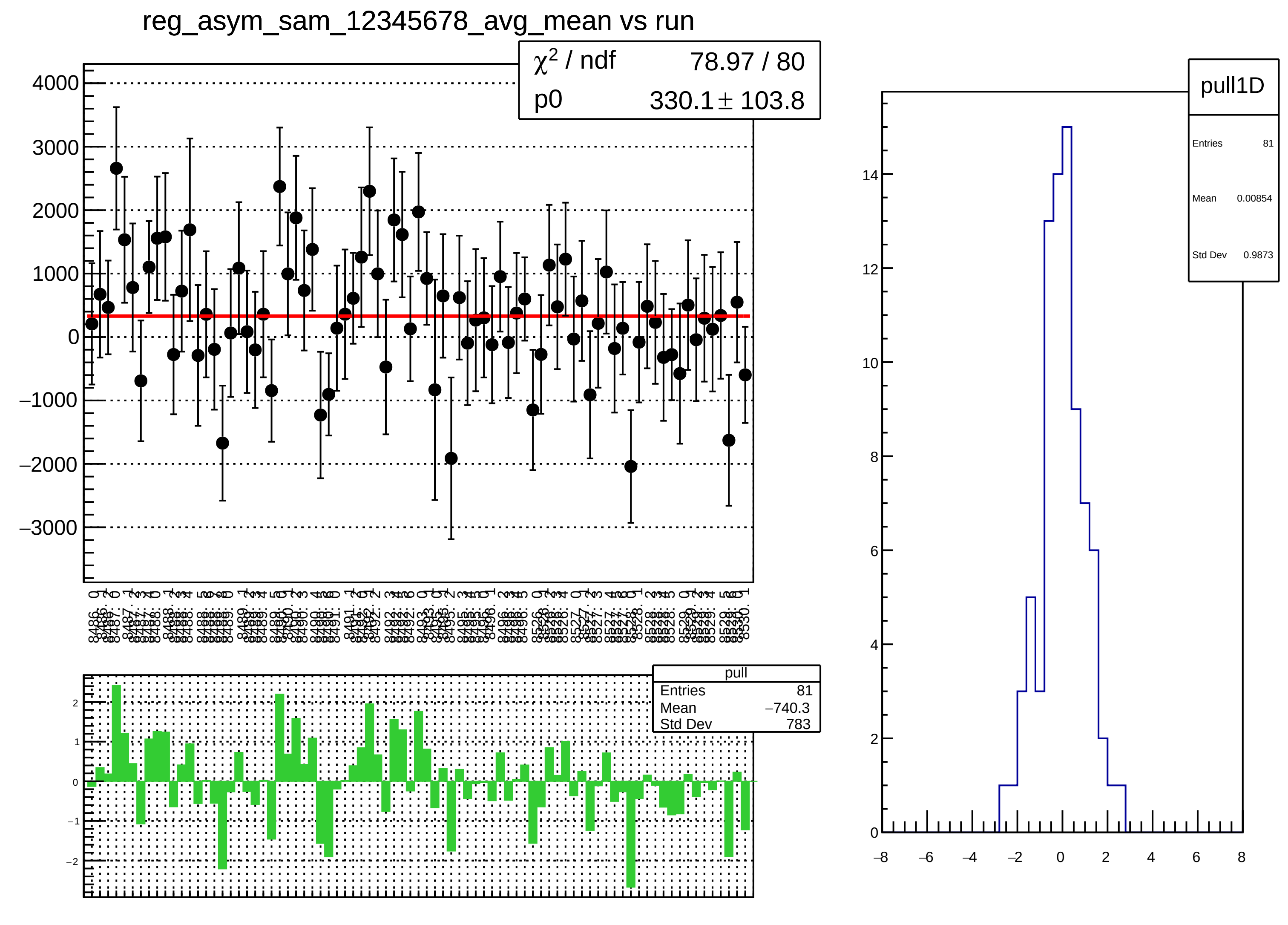
asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 3885 / 80
p0 386.8 ± 0.3041
440
420
400
380
360



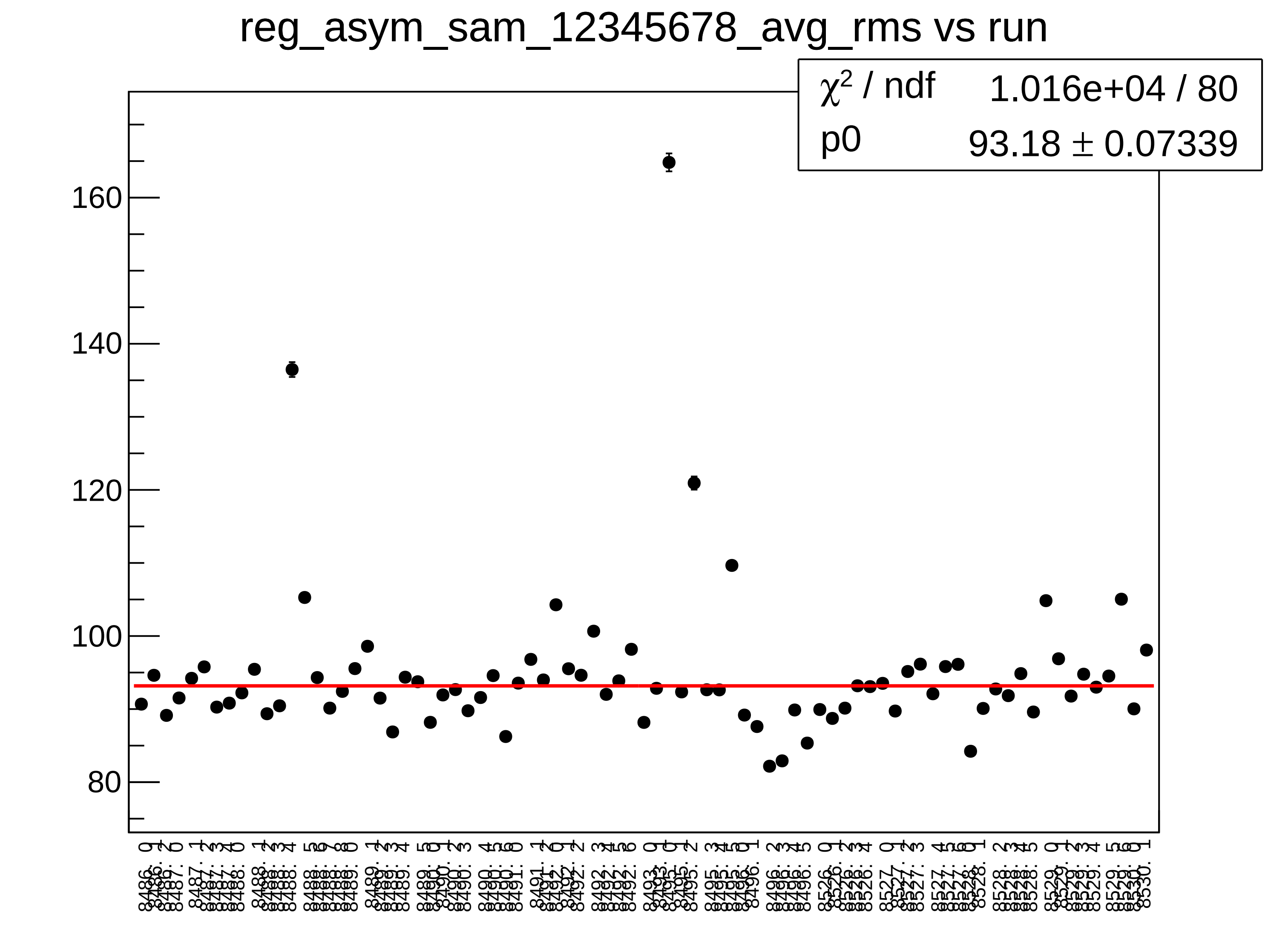
asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 81.53 / 80
p0 −700.1 ± 431
pull
Entries 81
Mean 92.68
Std Dev 24.2
pull1D
Entries 81
Mean 0.026
Std Dev 1.003



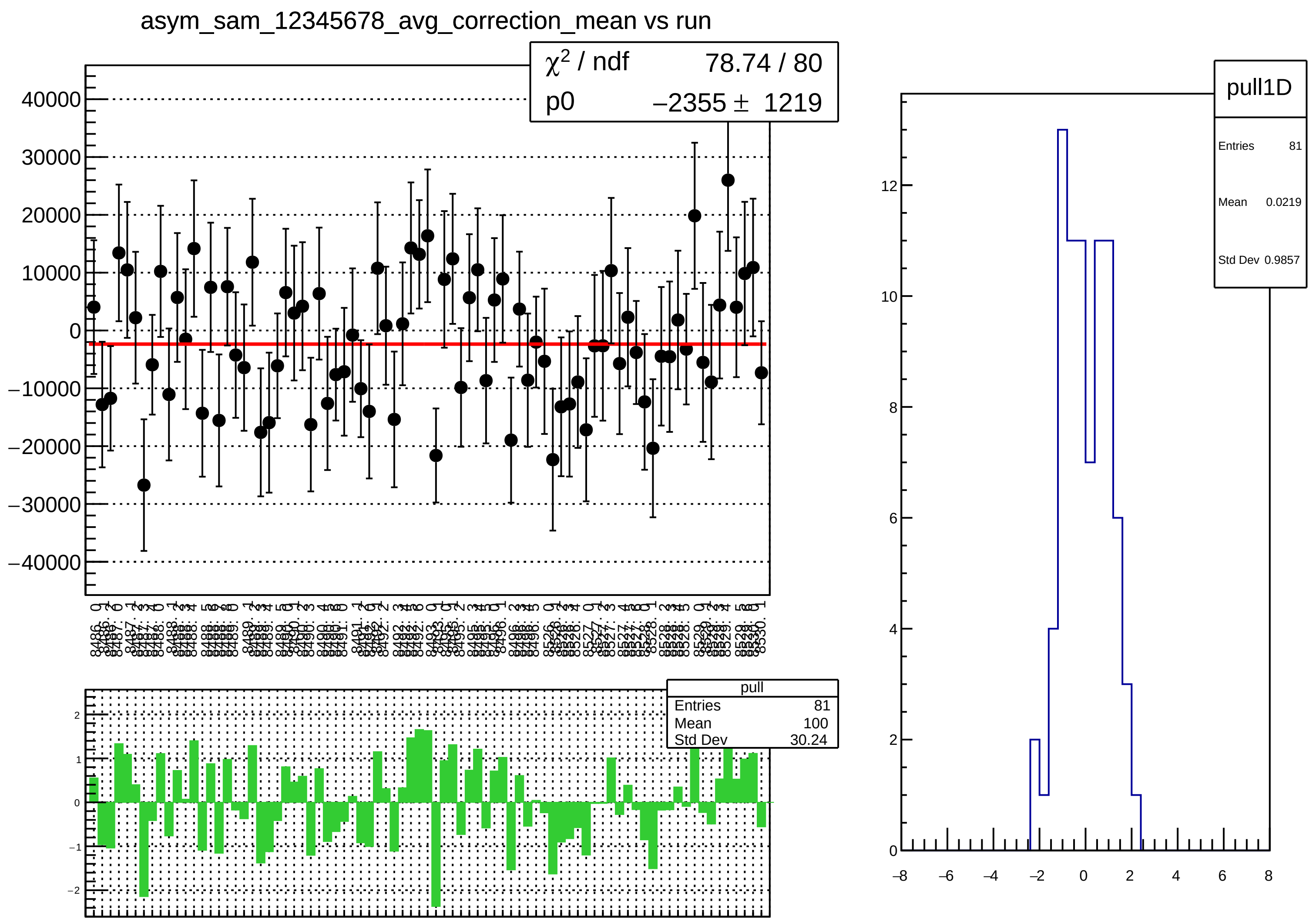
asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3876 / 80
p0 387.6 ± 0.3047
440
420
400
380
360



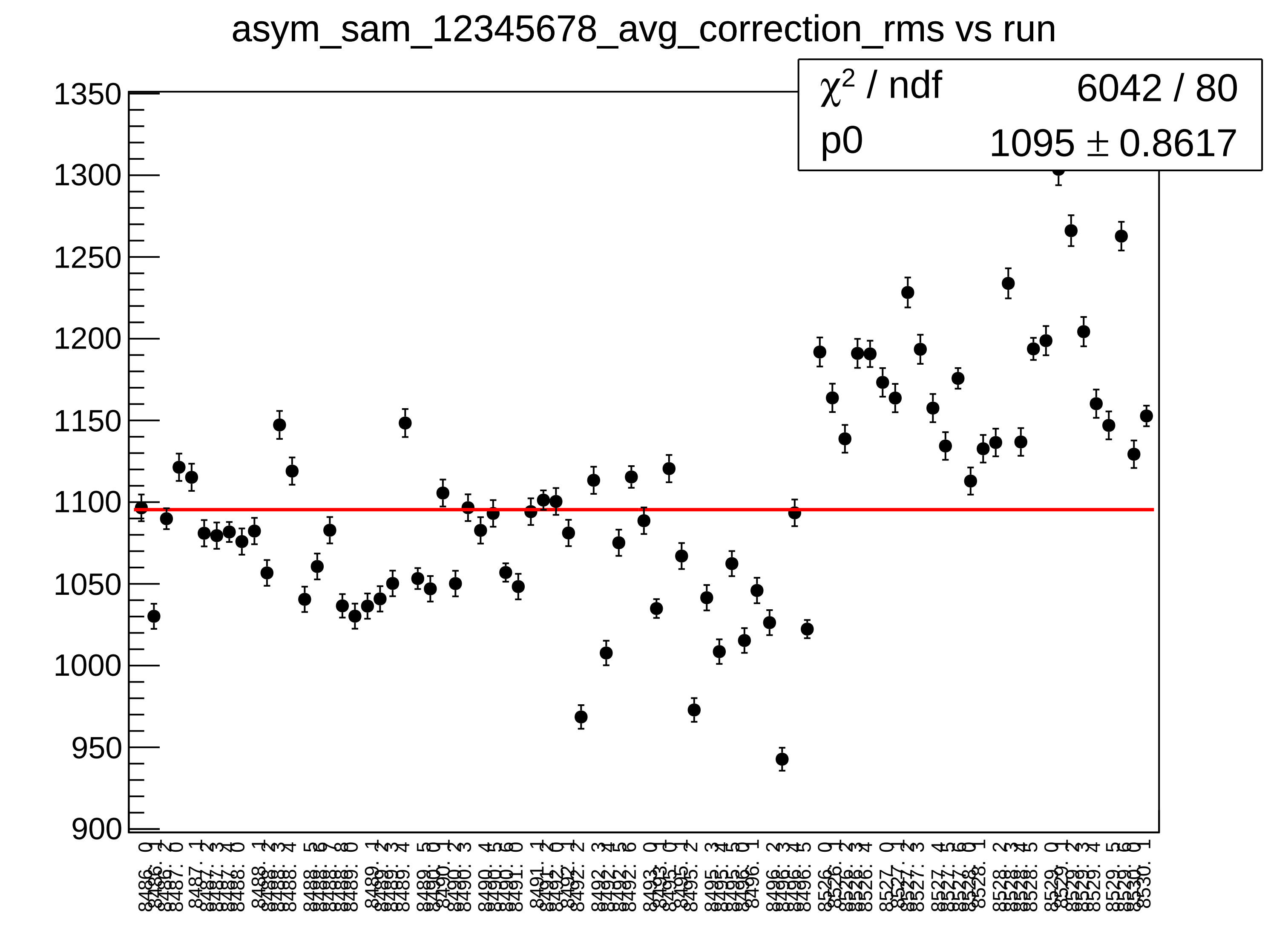
reg_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 78.97 / 80
p0 330.1 ± 103.8
pull
Entries 81
Mean −740.3
Std Dev 783
pull1D
Entries 81
Mean 0.00854
Std Dev 0.9873



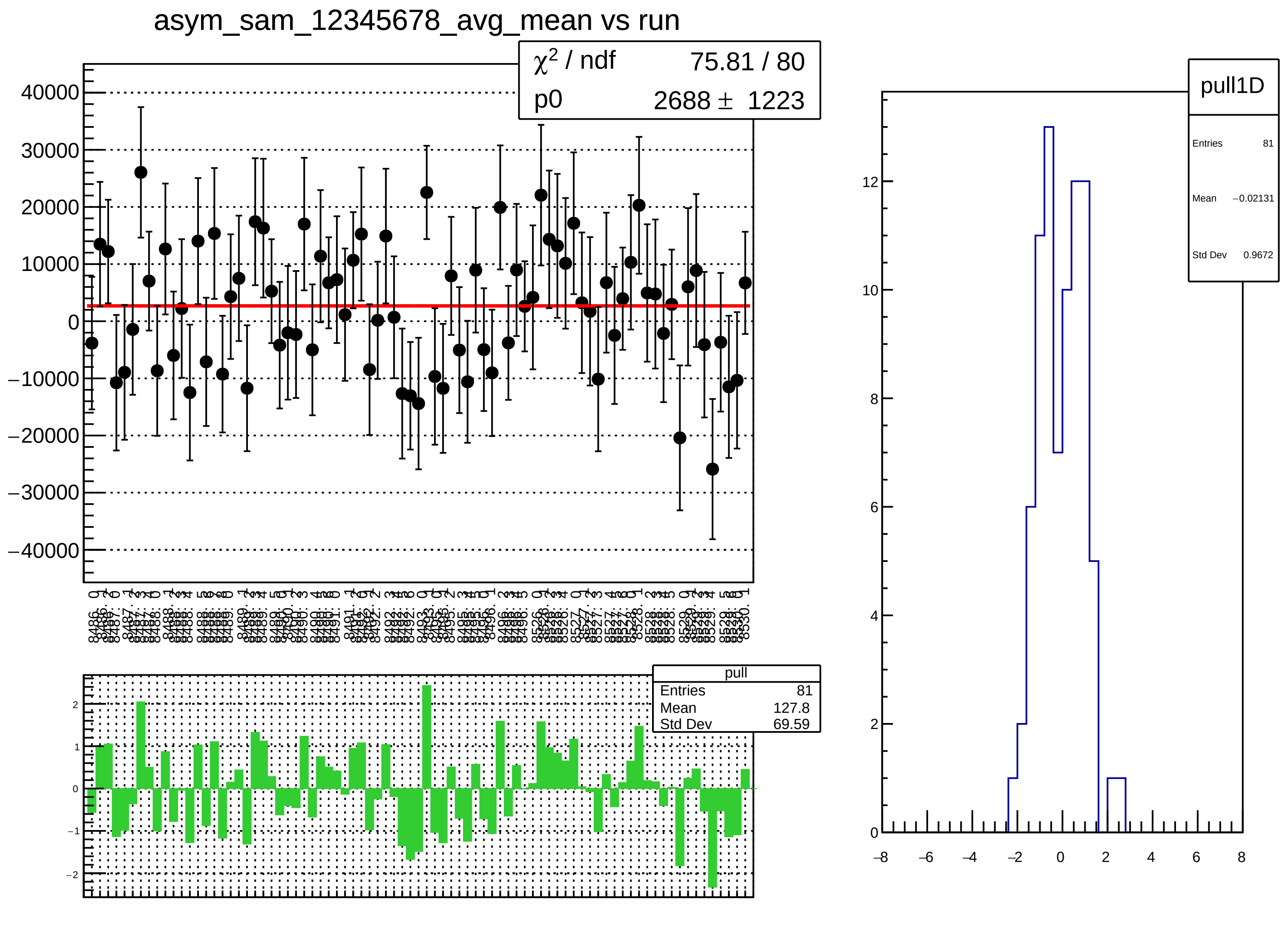
reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.016e+04 / 80
p0 93.18 ± 0.07339
160
140
120
100
80



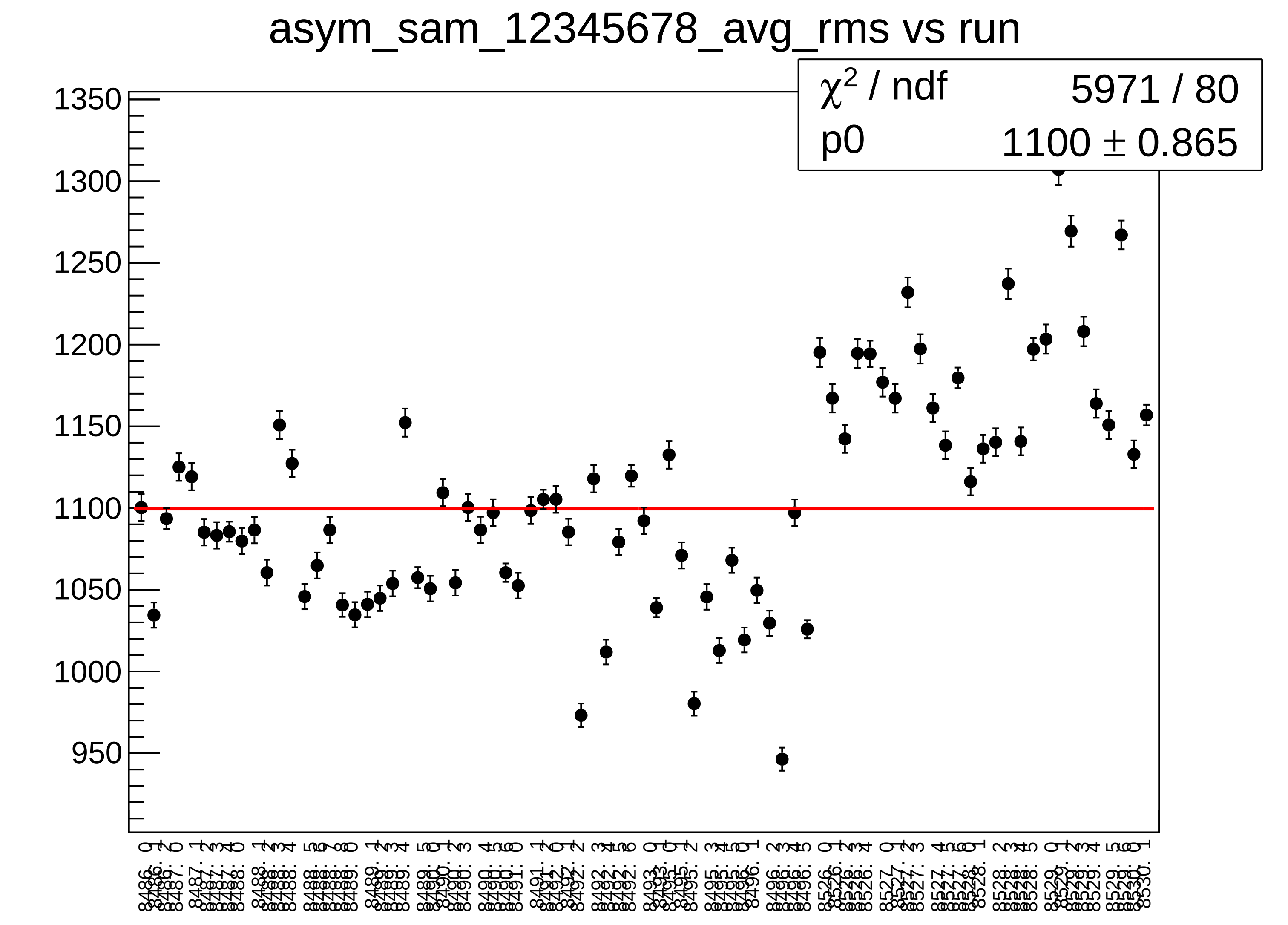
asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 78.74 / 80
p0 −2355 ± 1219
pull
Entries 81
Mean 100
Std Dev 30.24
pull1D
Entries 81
Mean 0.0219
Std Dev 0.9857



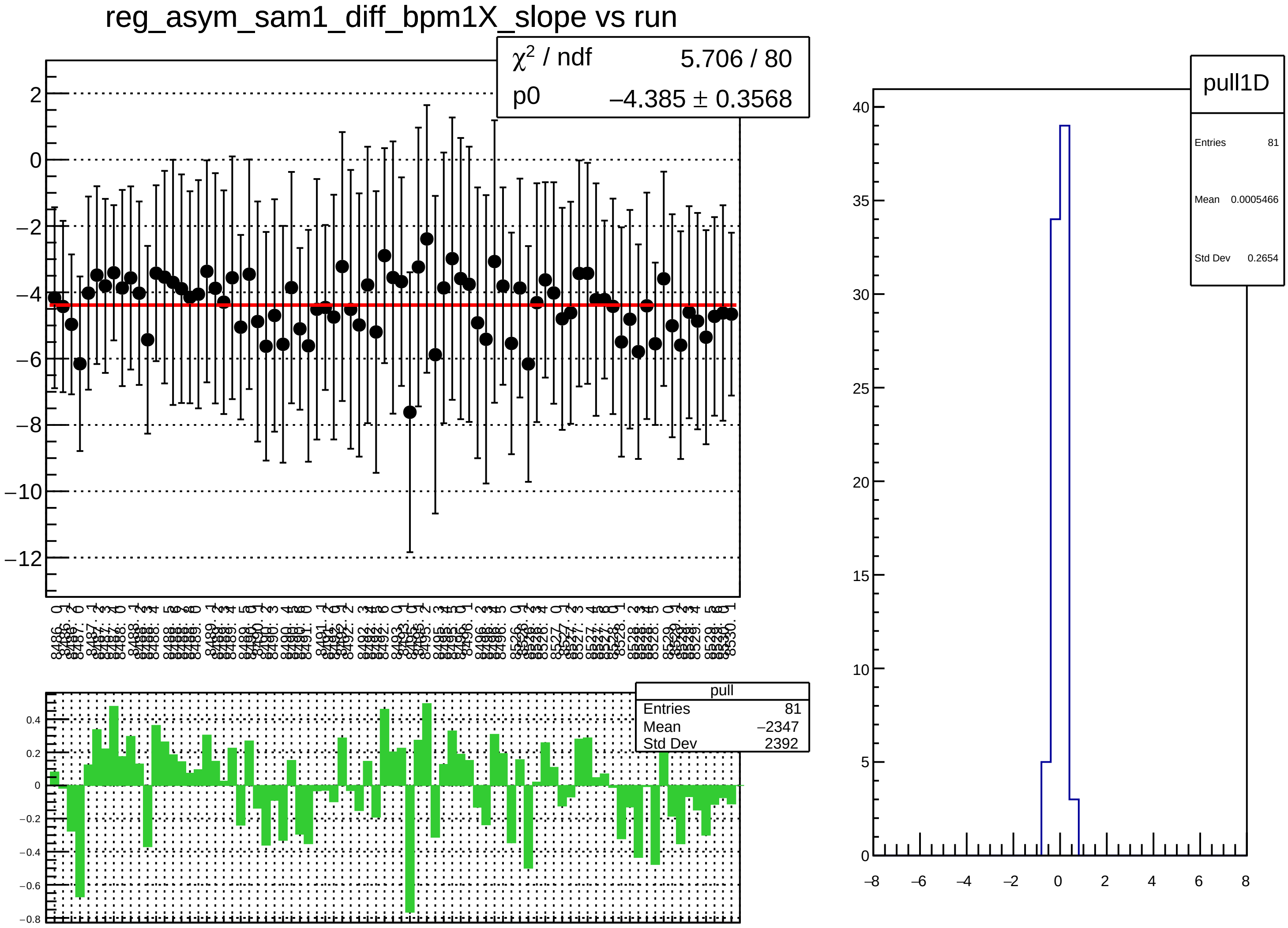
asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 6042 / 80
p0 1095 ± 0.8617



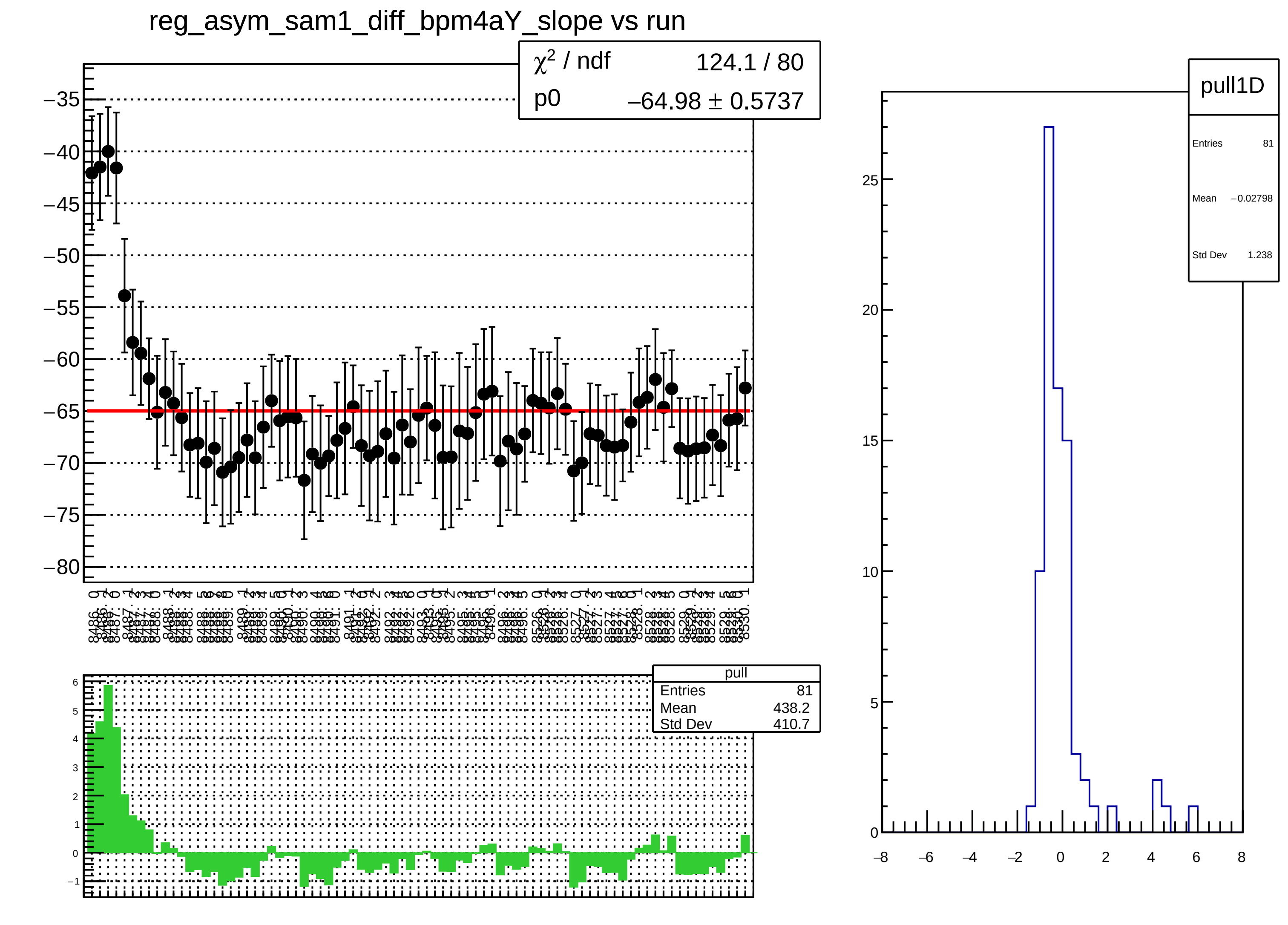
asym_sam_12345678_avg_mean vs run
χ^2 / ndf 75.81 / 80
p0 2688 ± 1223
pull
Entries 81
Mean 127.8
Std Dev 69.59
pull1D
Entries 81
Mean −0.02131
Std Dev 0.9672

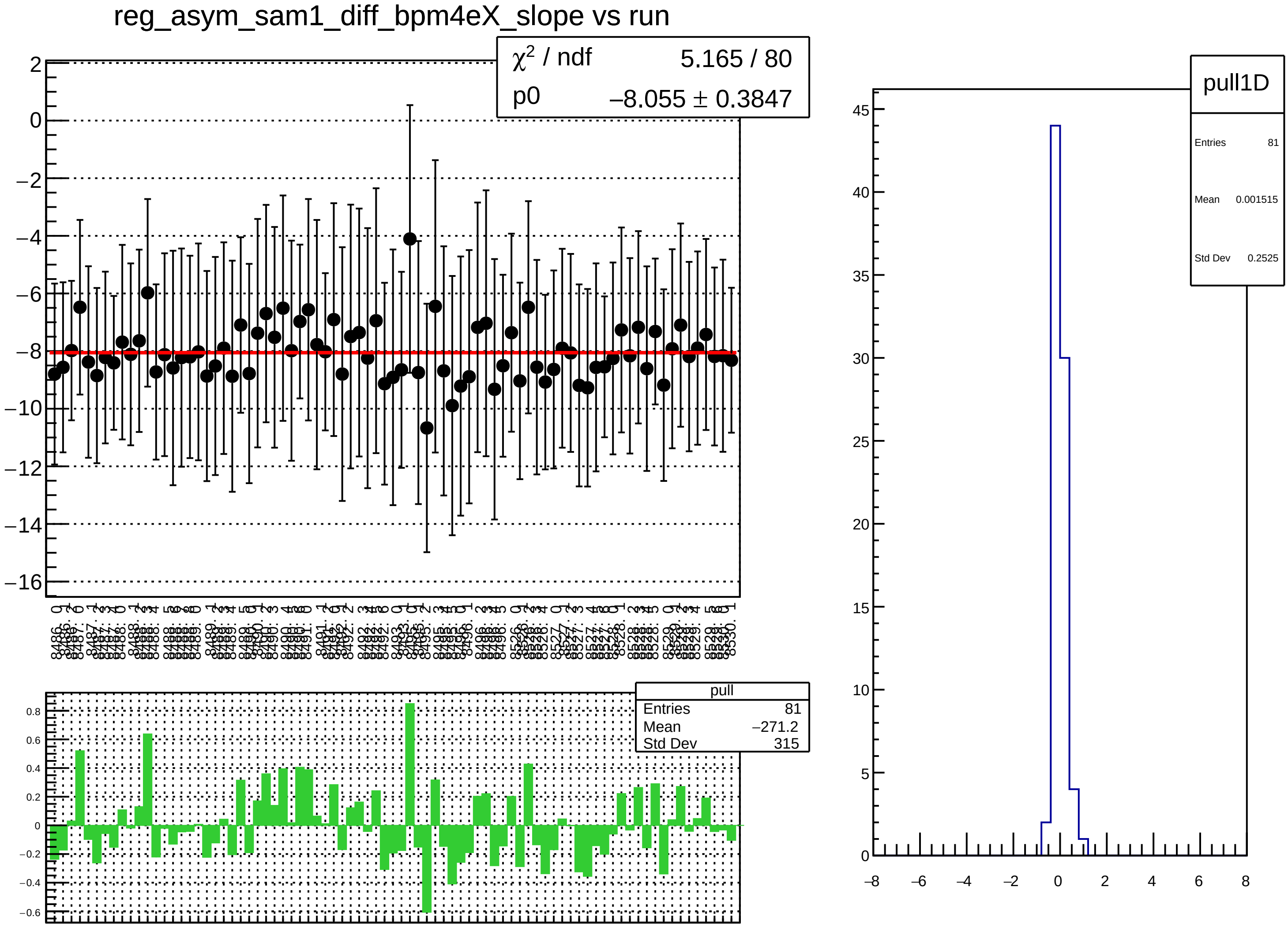


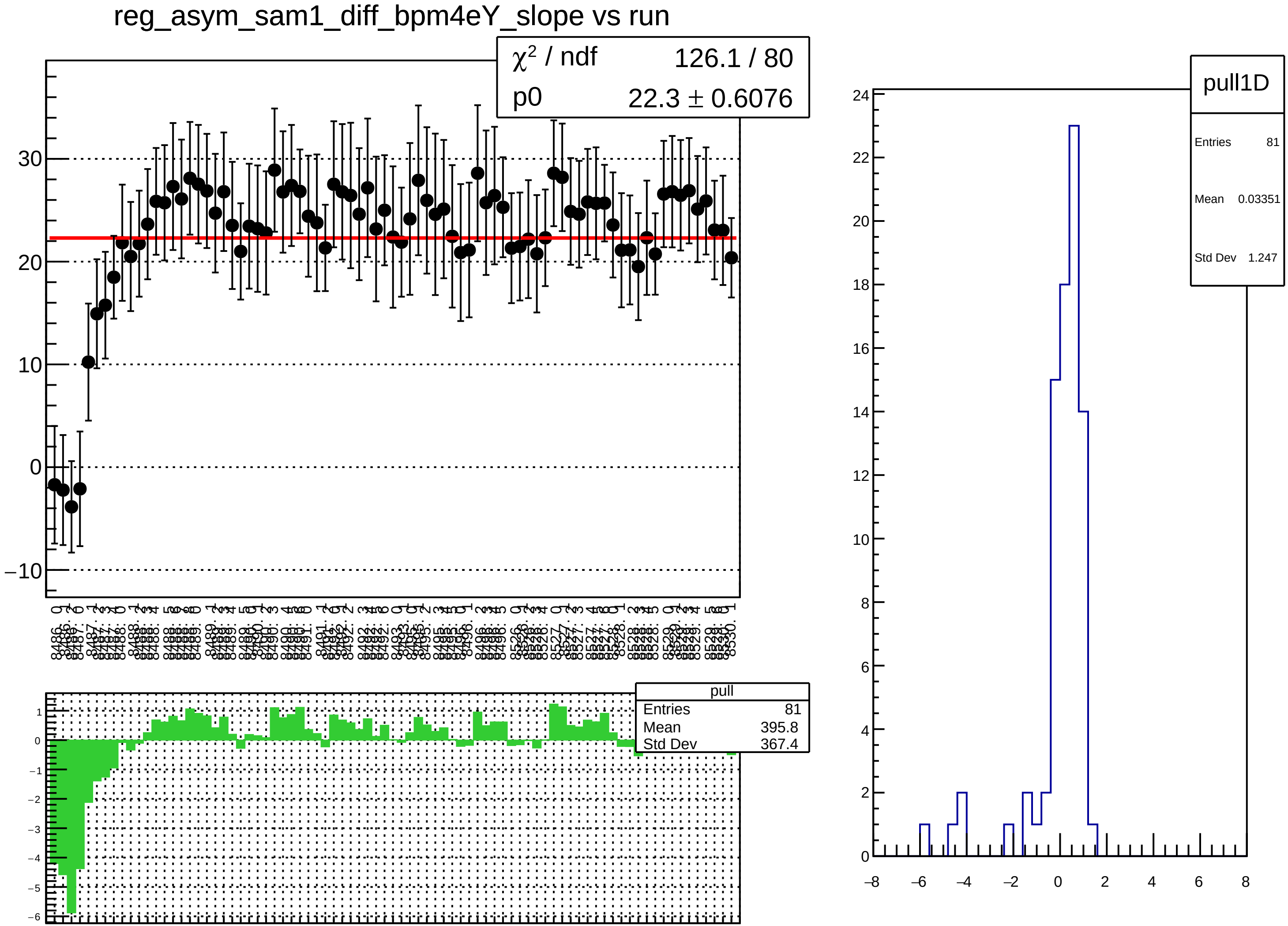
asym_sam_12345678_avg_rms vs run
χ^2 / ndf 5971 / 80
p0 1100 ± 0.865
1350
1300
1250
1200
1150
1100
1050
1000
950



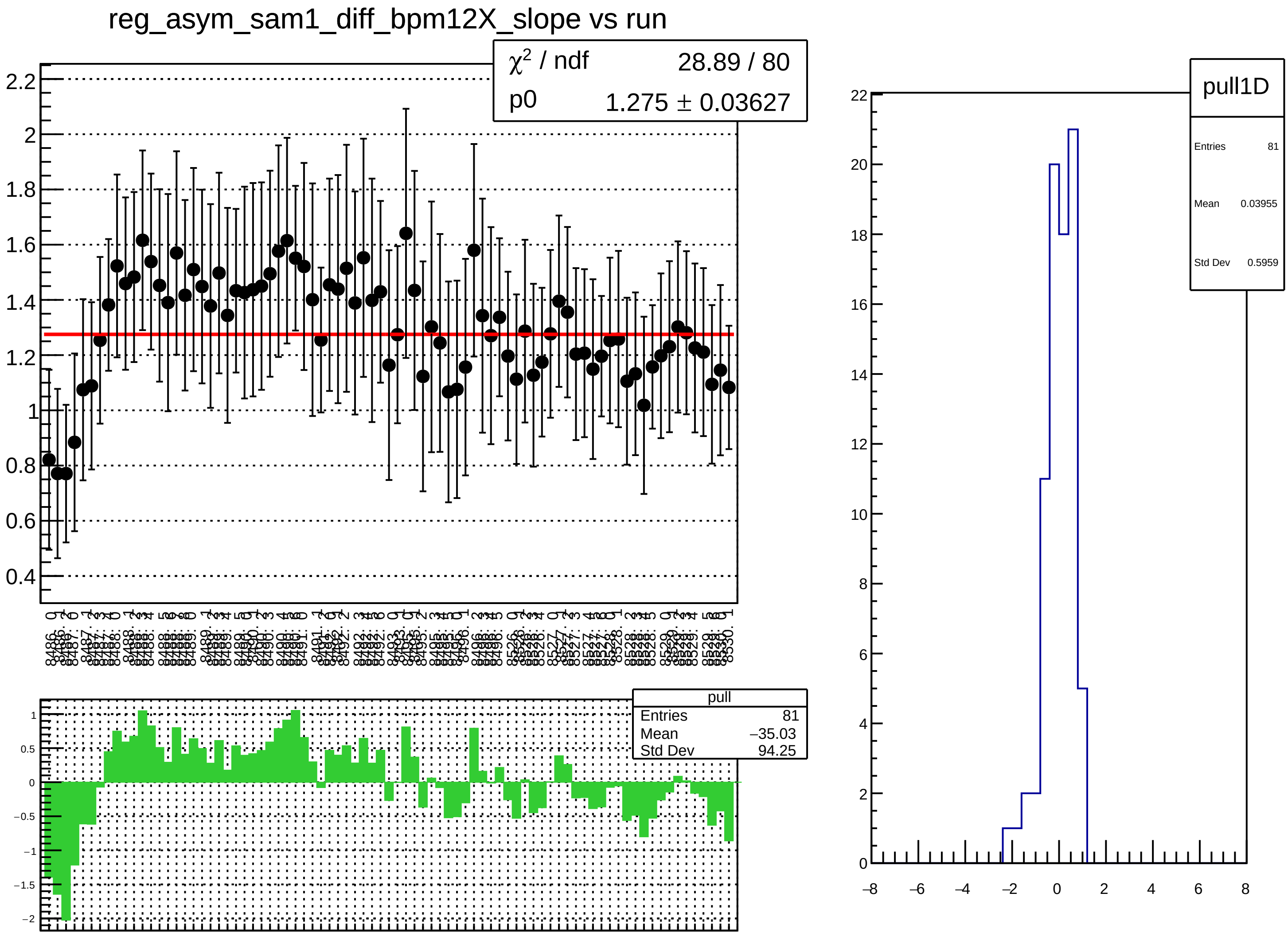
reg_asym_sam1_diff_bpm1X_slope vs run
χ2 / ndf 5.706 / 80
p0 −4.385 ± 0.3568
pull
Entries 81
Mean −2347
Std Dev 2392
pull1D
Entries 81
Mean 0.0005466
Std Dev 0.2654


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 124.1 / 80
p0 −64.98 ± 0.5737
pull
Entries 81
Mean 438.2
Std Dev 410.7
pull1D
Entries 81
Mean −0.02798
Std Dev 1.238

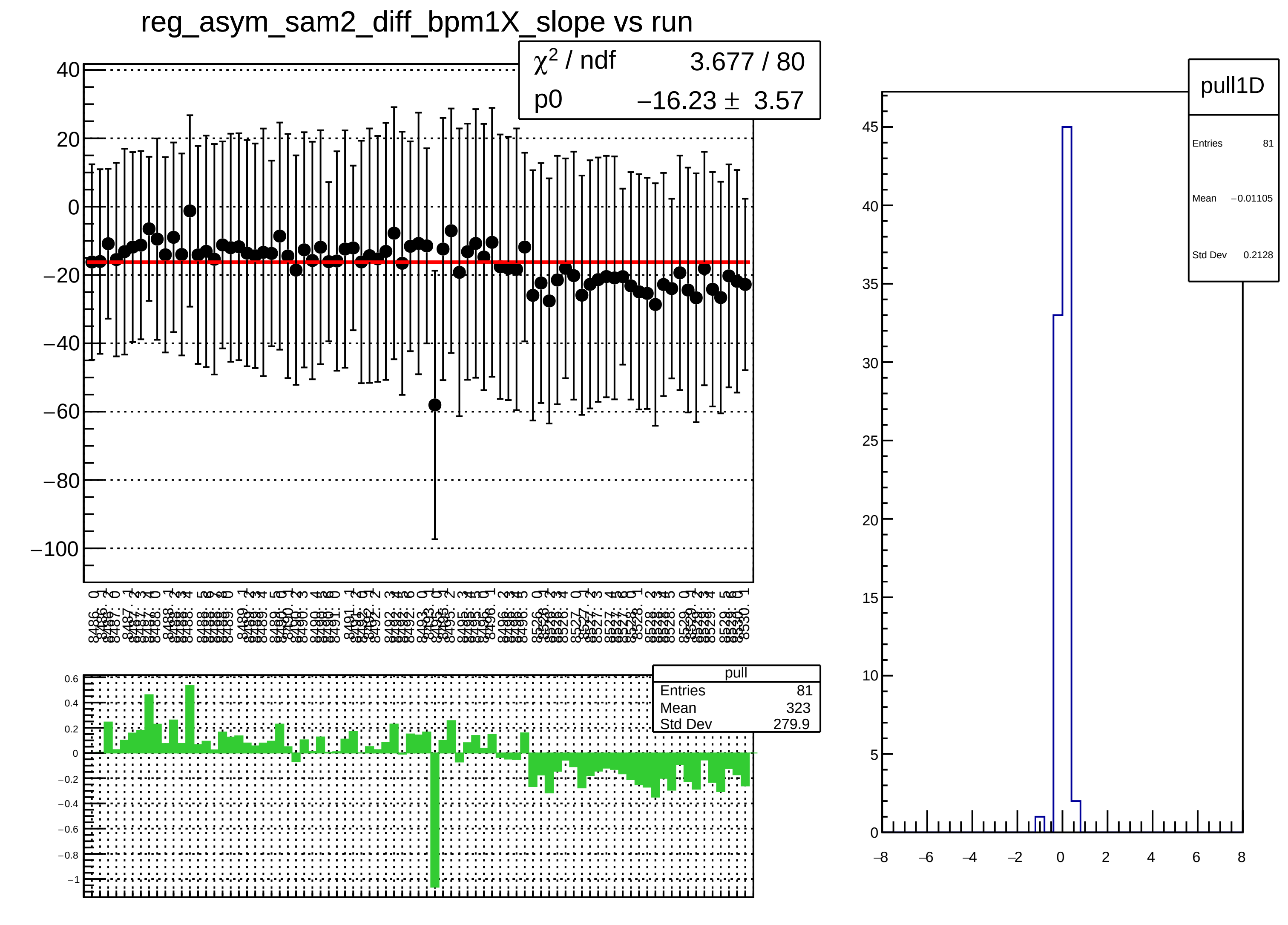

reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 5.165 / 80
p0 −8.055 ± 0.3847
pull
Entries 81
Mean −271.2
Std Dev 315
pull1D
Entries 81
Mean 0.001515
Std Dev 0.2525



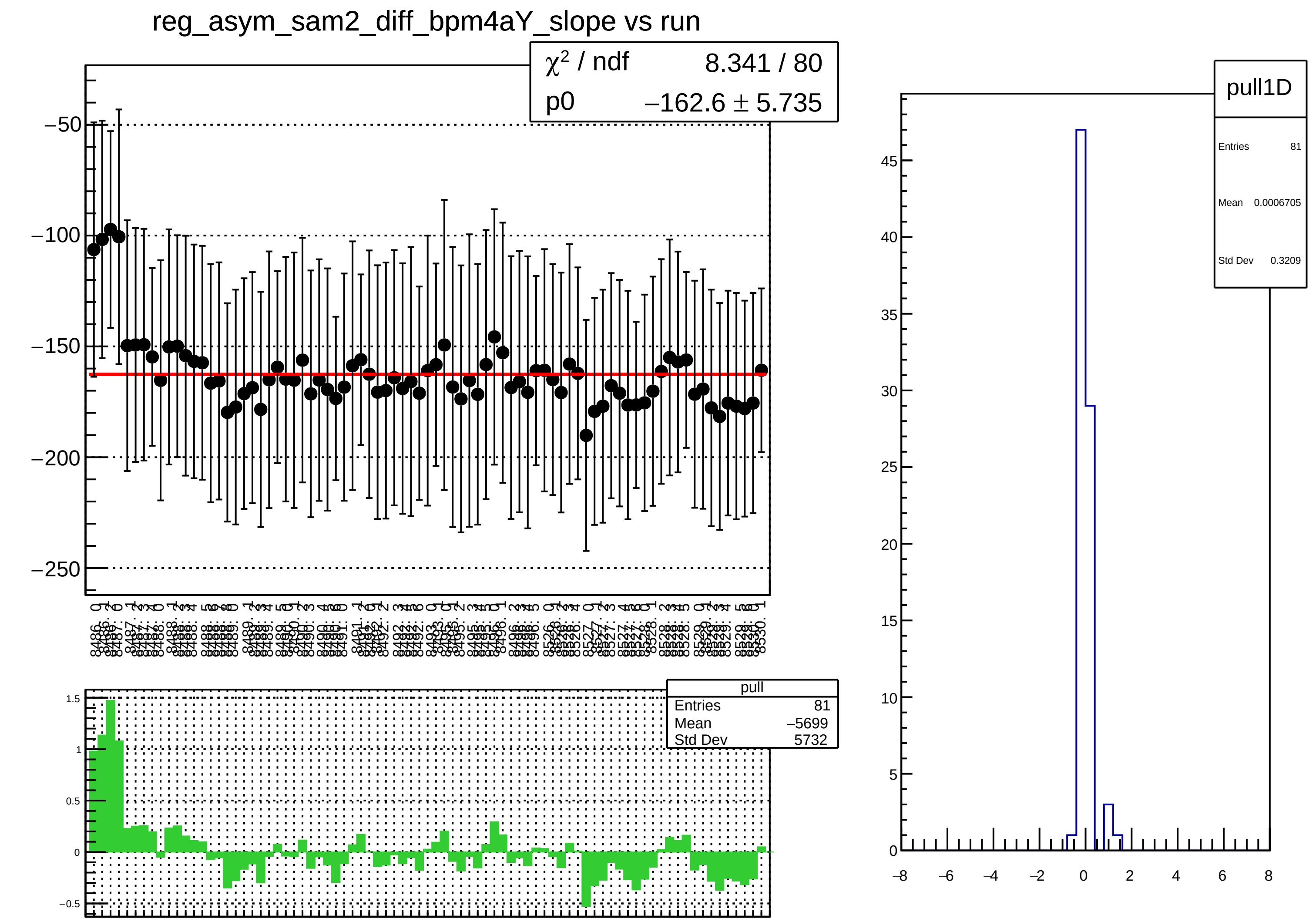
reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 126.1 / 80
p0 22.3 ± 0.6076
30
20
10
0
−10
pull
Entries 81
Mean 395.8
Std Dev 367.4
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 81
Mean 0.03351
Std Dev 1.247
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



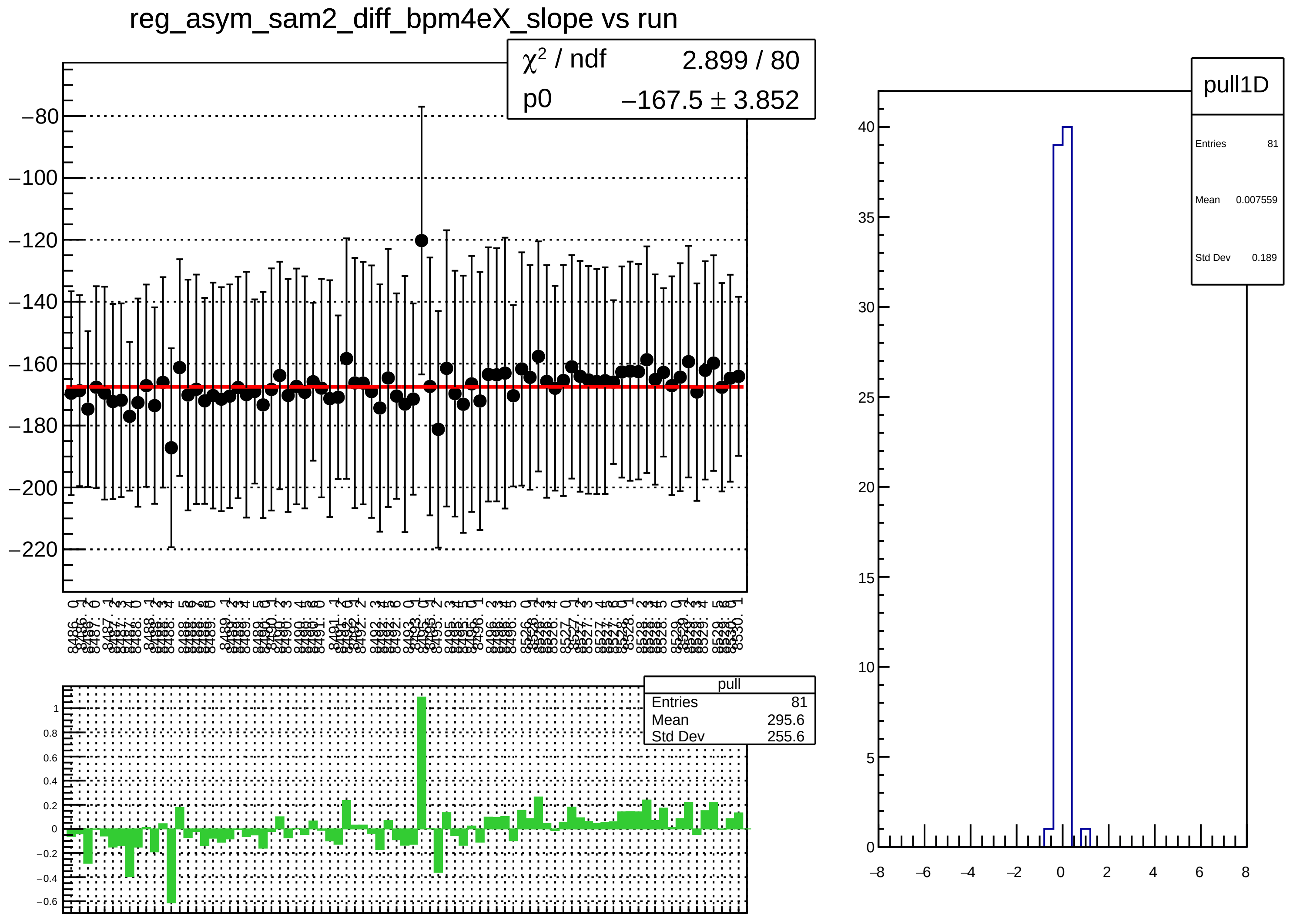
reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 28.89 / 80
p0 1.275 ± 0.03627
pull
Entries 81
Mean −35.03
Std Dev 94.25
pull1D
Entries 81
Mean 0.03955
Std Dev 0.5959



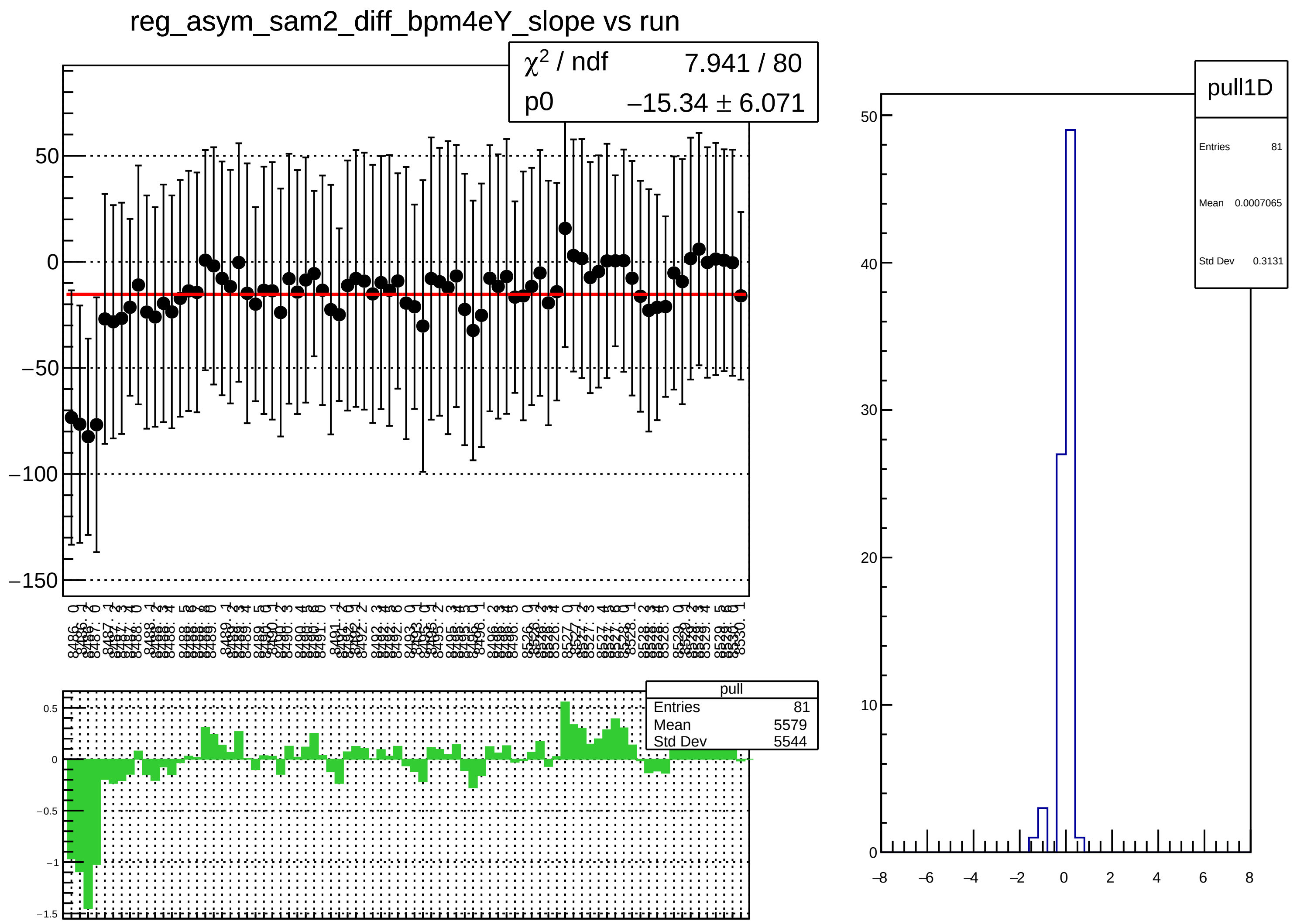
reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 3.677 / 80
p0 −16.23 ± 3.57
pull
Entries 81
Mean 323
Std Dev 279.9
pull1D
Entries 81
Mean −0.01105
Std Dev 0.2128



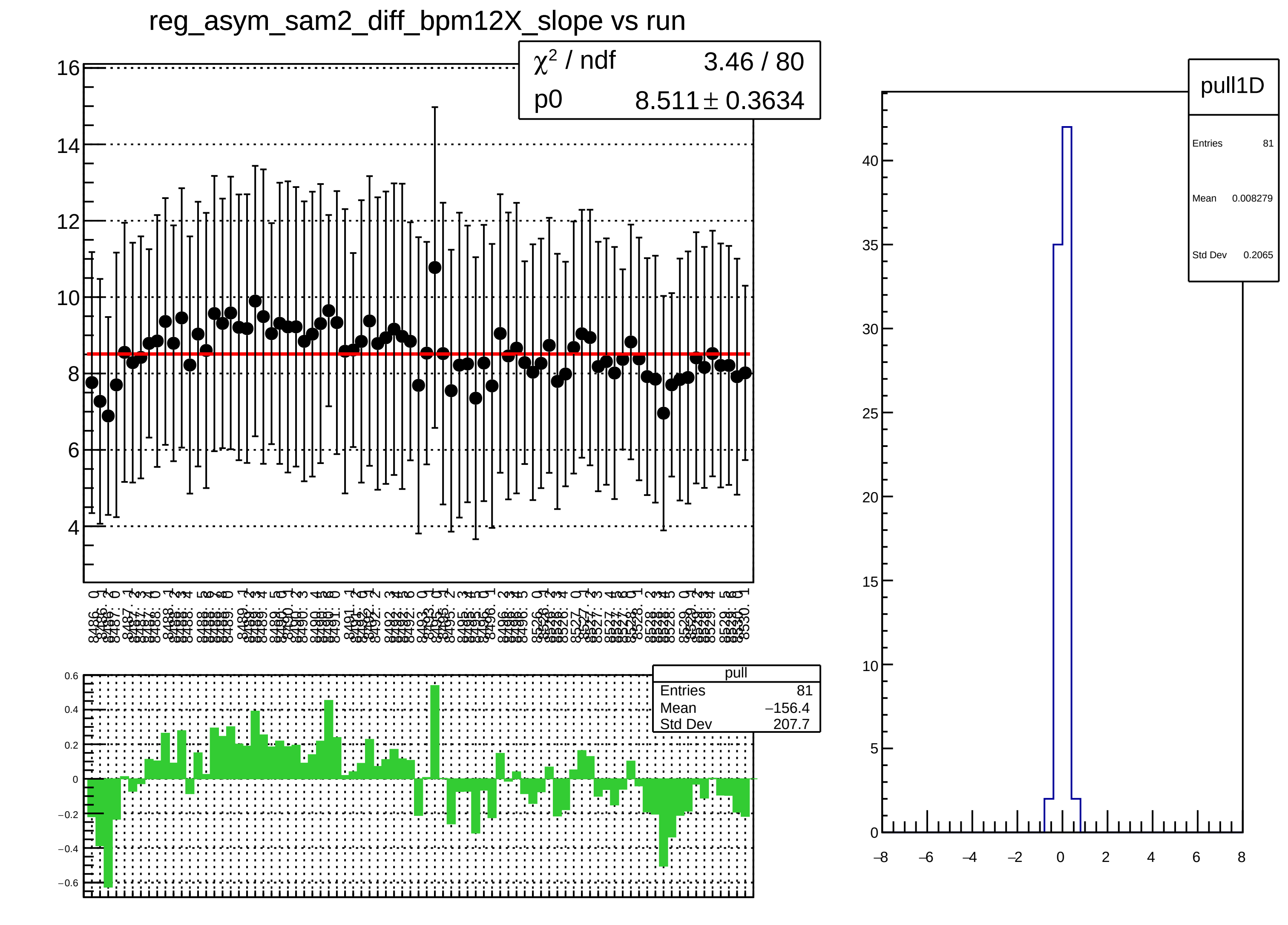
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 8.341 / 80
p0 −162.6 ± 5.735
pull
Entries 81
Mean −5699
Std Dev 5732
pull1D
Entries 81
Mean 0.0006705
Std Dev 0.3209



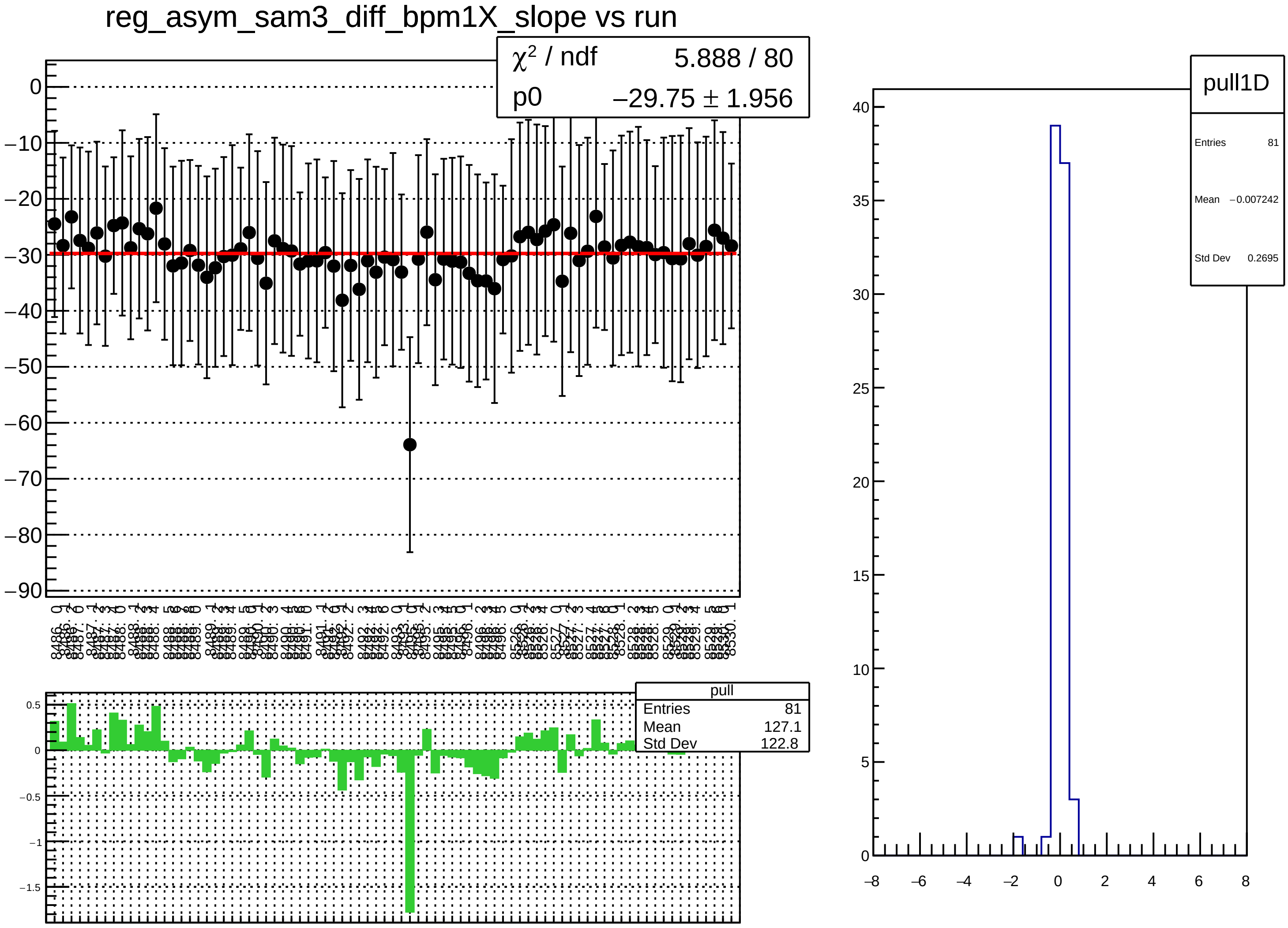
reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 2.899 / 80
p0 −167.5 ± 3.852
pull
Entries 81
Mean 295.6
Std Dev 255.6
pull1D
Entries 81
Mean 0.007559
Std Dev 0.189



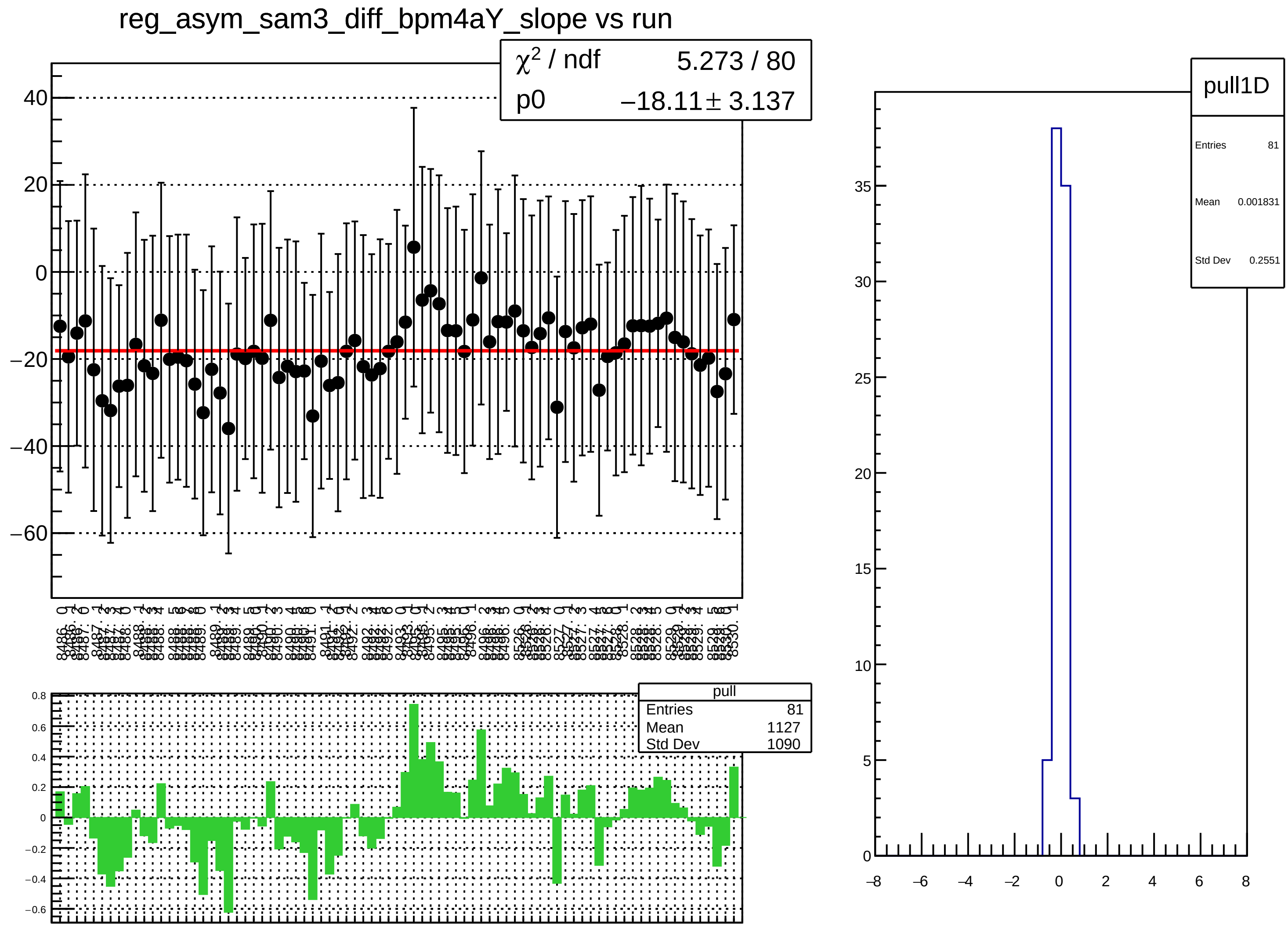
reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 7.941 / 80
p0 −15.34 ± 6.071
pull
Entries 81
Mean 5579
Std Dev 5544
pull1D
Entries 81
Mean 0.0007065
Std Dev 0.3131



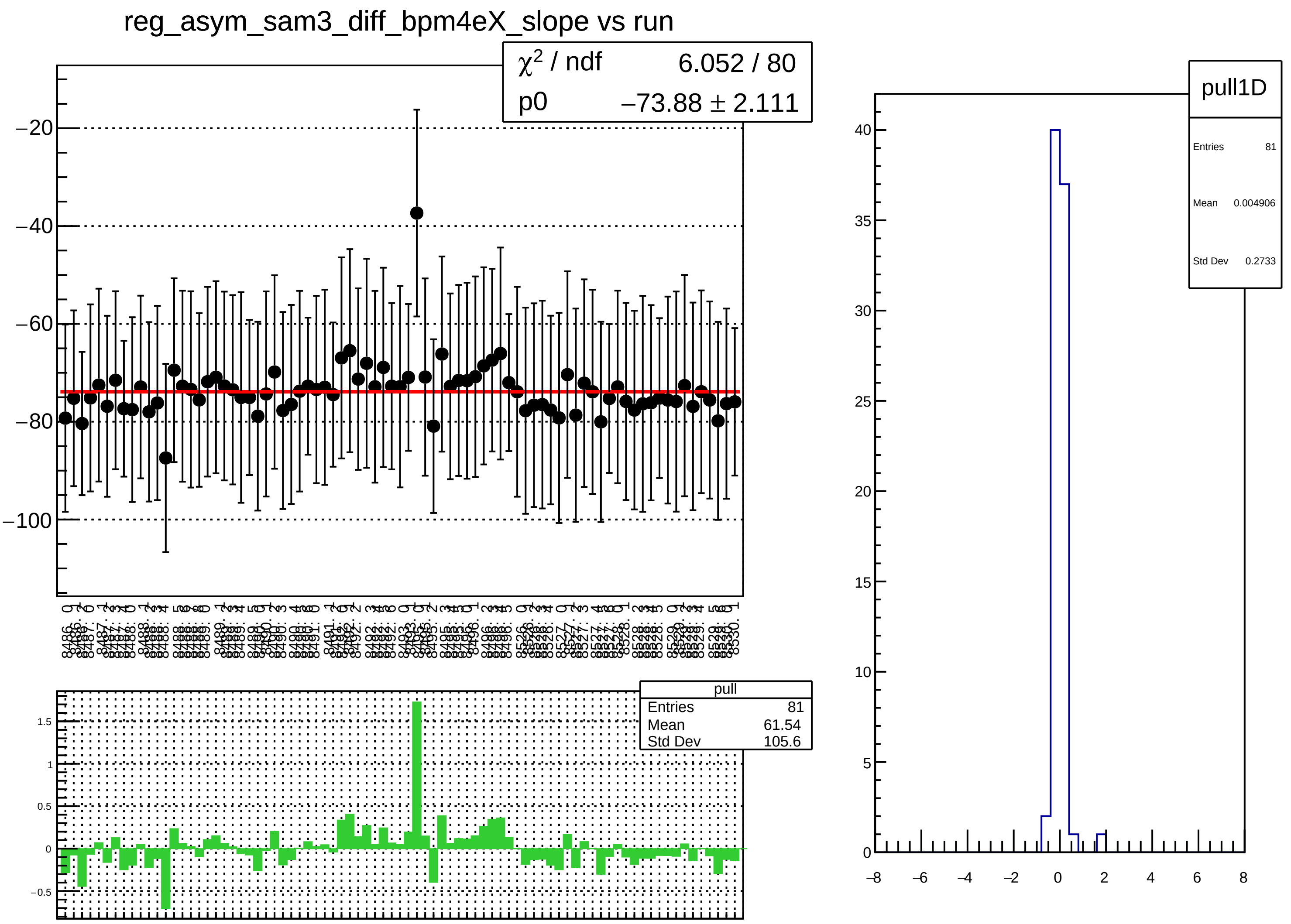
reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 3.46 / 80
p0 8.511 ± 0.3634
pull
Entries 81
Mean −156.4
Std Dev 207.7
pull1D
Entries 81
Mean 0.008279
Std Dev 0.2065



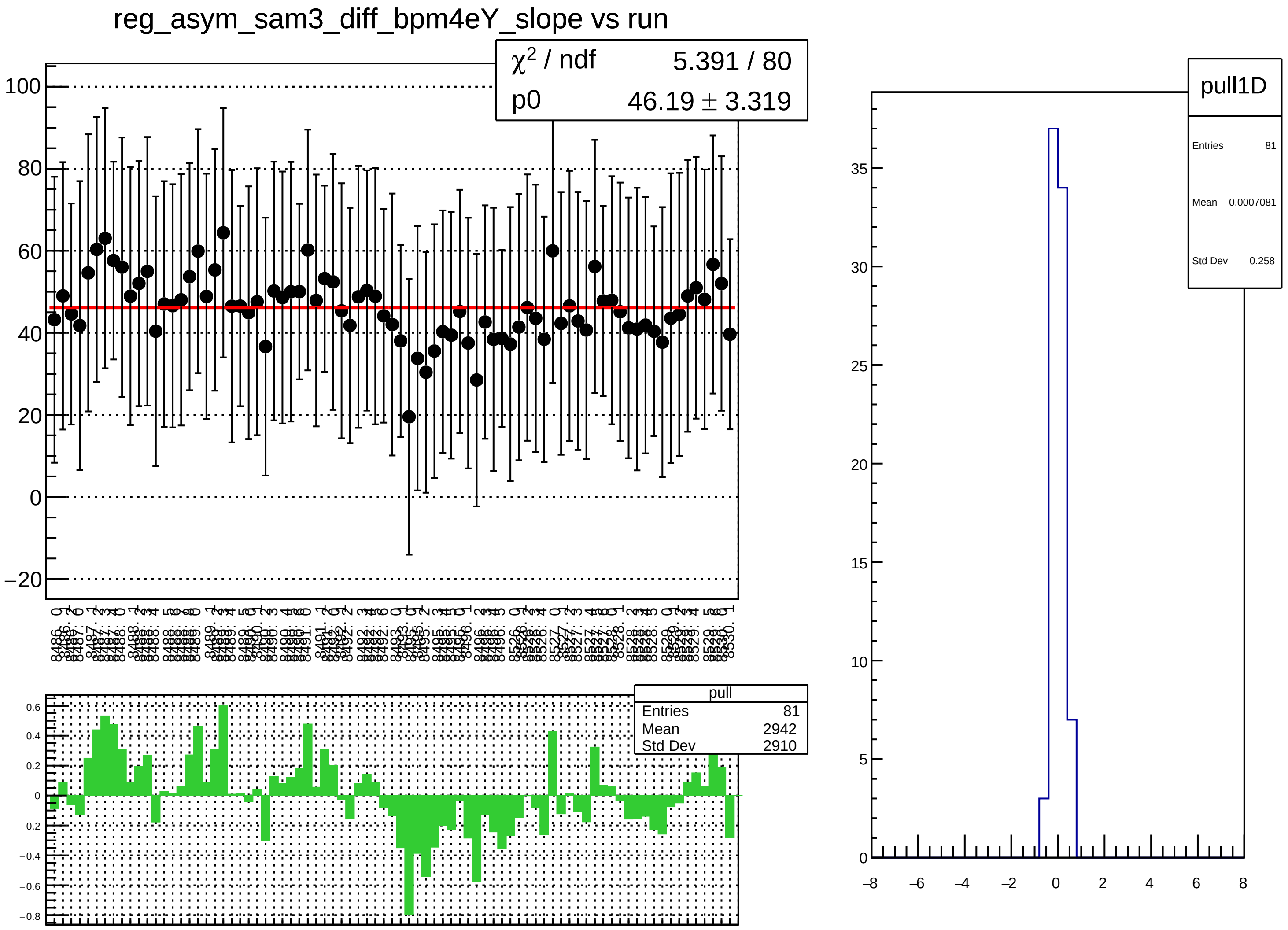
reg_asym_sam3_diff_bpm1X_slope vs run
χ2 / ndf 5.888 / 80
p0 −29.75 ± 1.956
pull
Entries 81
Mean 127.1
Std Dev 122.8
pull1D
Entries 81
Mean −0.007242
Std Dev 0.2695

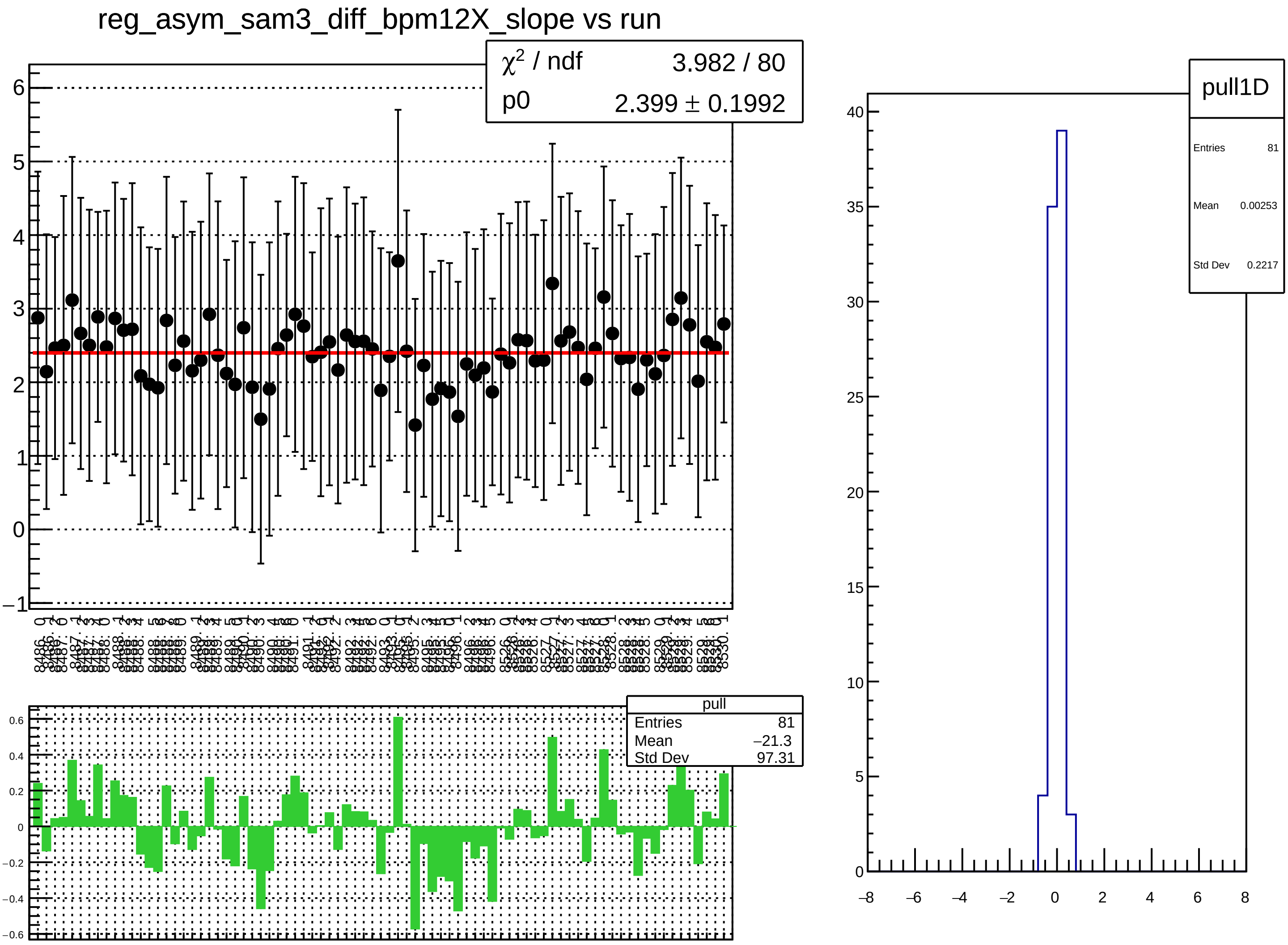


reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 5.273 / 80
p0 −18.11 ± 3.137
pull
Entries 81
Mean 1127
Std Dev 1090
pull1D
Entries 81
Mean 0.001831
Std Dev 0.2551

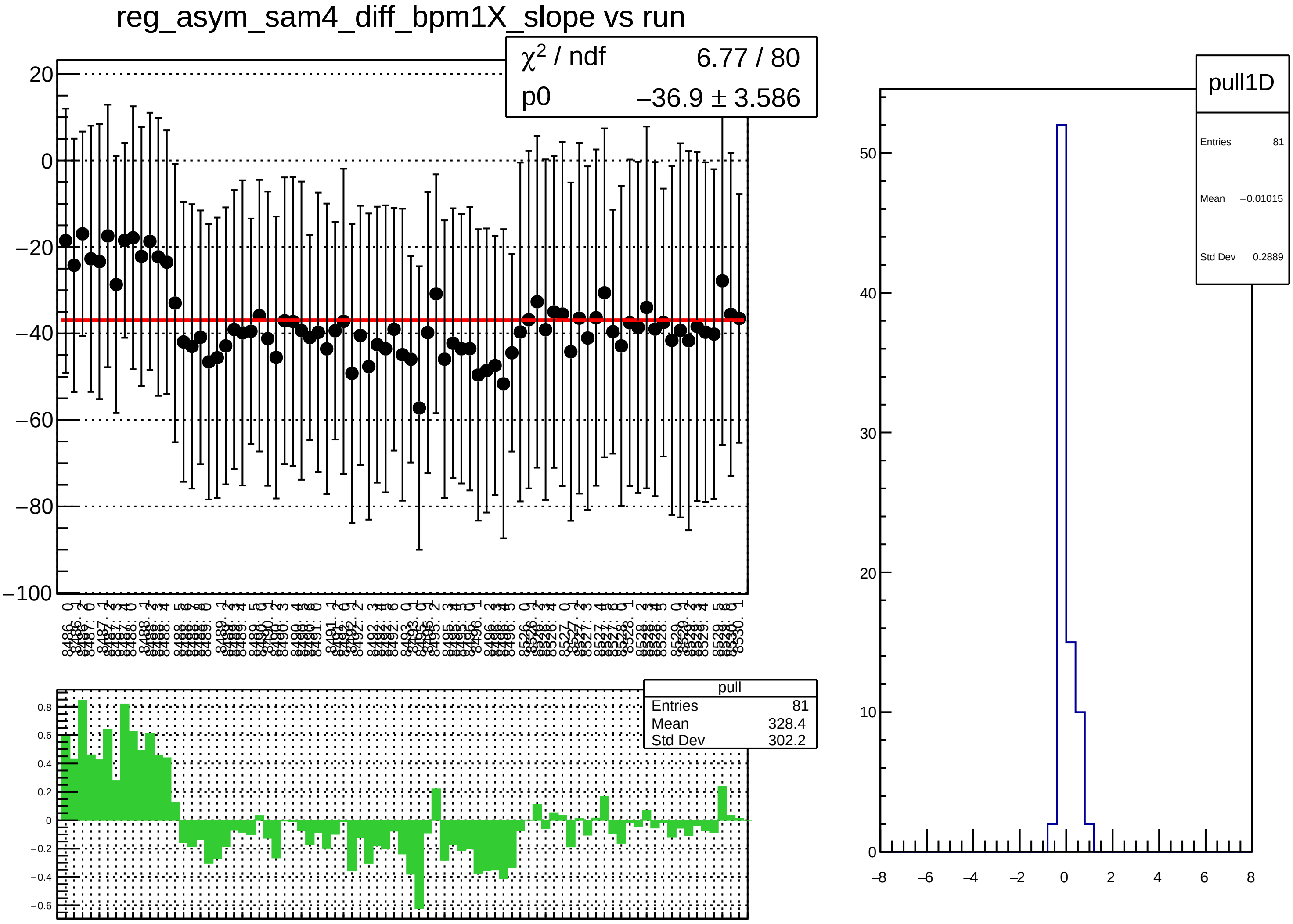


reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 6.052 / 80
p0 −73.88 ± 2.111
pull
Entries 81
Mean 61.54
Std Dev 105.6
pull1D
Entries 81
Mean 0.004906
Std Dev 0.2733

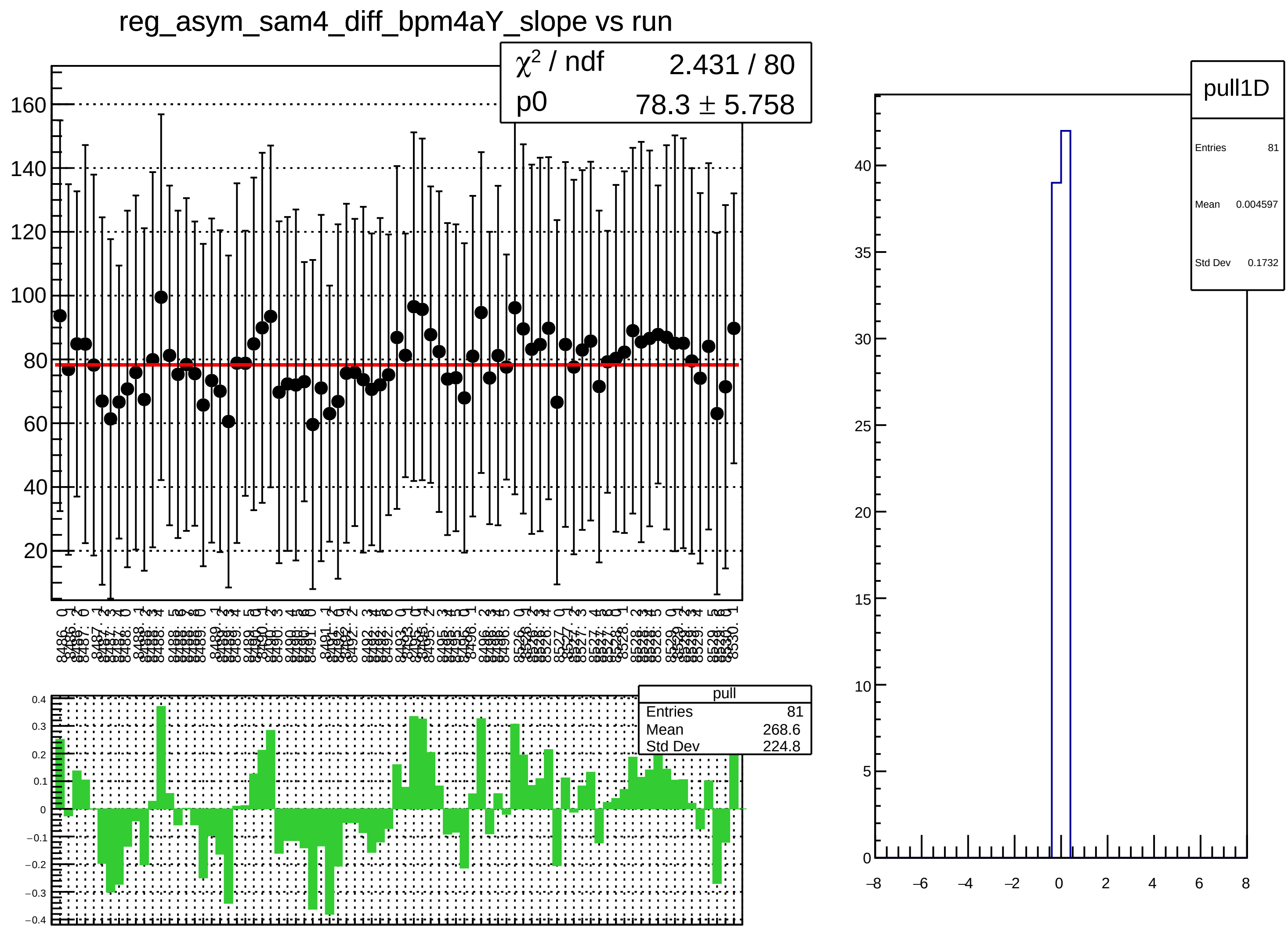

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 5.391 / 80
p0 46.19 ± 3.319
pull
Entries 81
Mean 2942
Std Dev 2910
pull1D
Entries 81
Mean −0.0007081
Std Dev 0.258



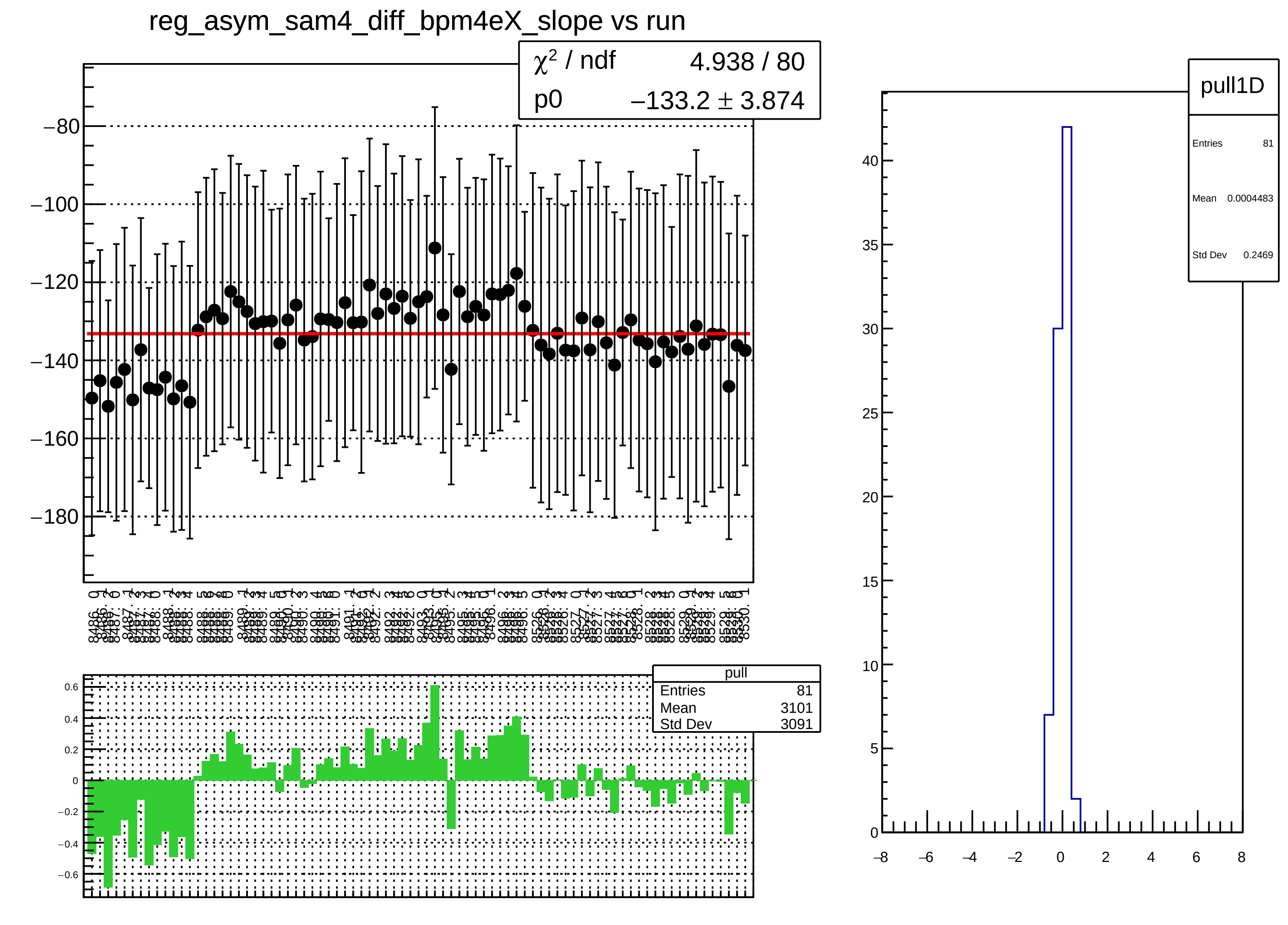
reg_asym_sam3_diff_bpm12X_slope vs run
χ2 / ndf 3.982 / 80
p0 2.399 ± 0.1992
pull
Entries 81
Mean −21.3
Std Dev 97.31
pull1D
Entries 81
Mean 0.00253
Std Dev 0.2217



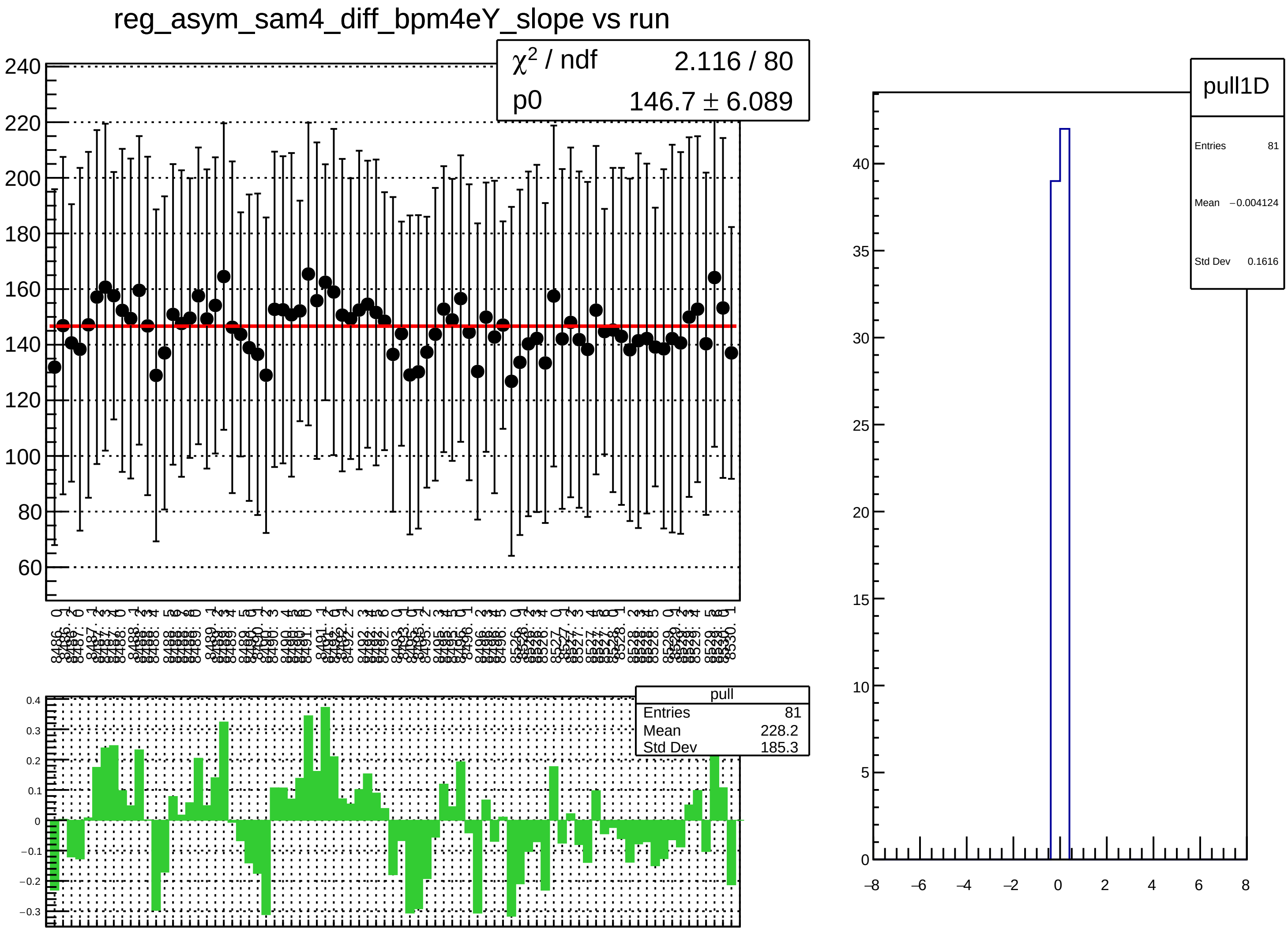
reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 6.77 / 80
p0 −36.9 ± 3.586
pull
Entries 81
Mean 328.4
Std Dev 302.2
pull1D
Entries 81
Mean −0.01015
Std Dev 0.2889



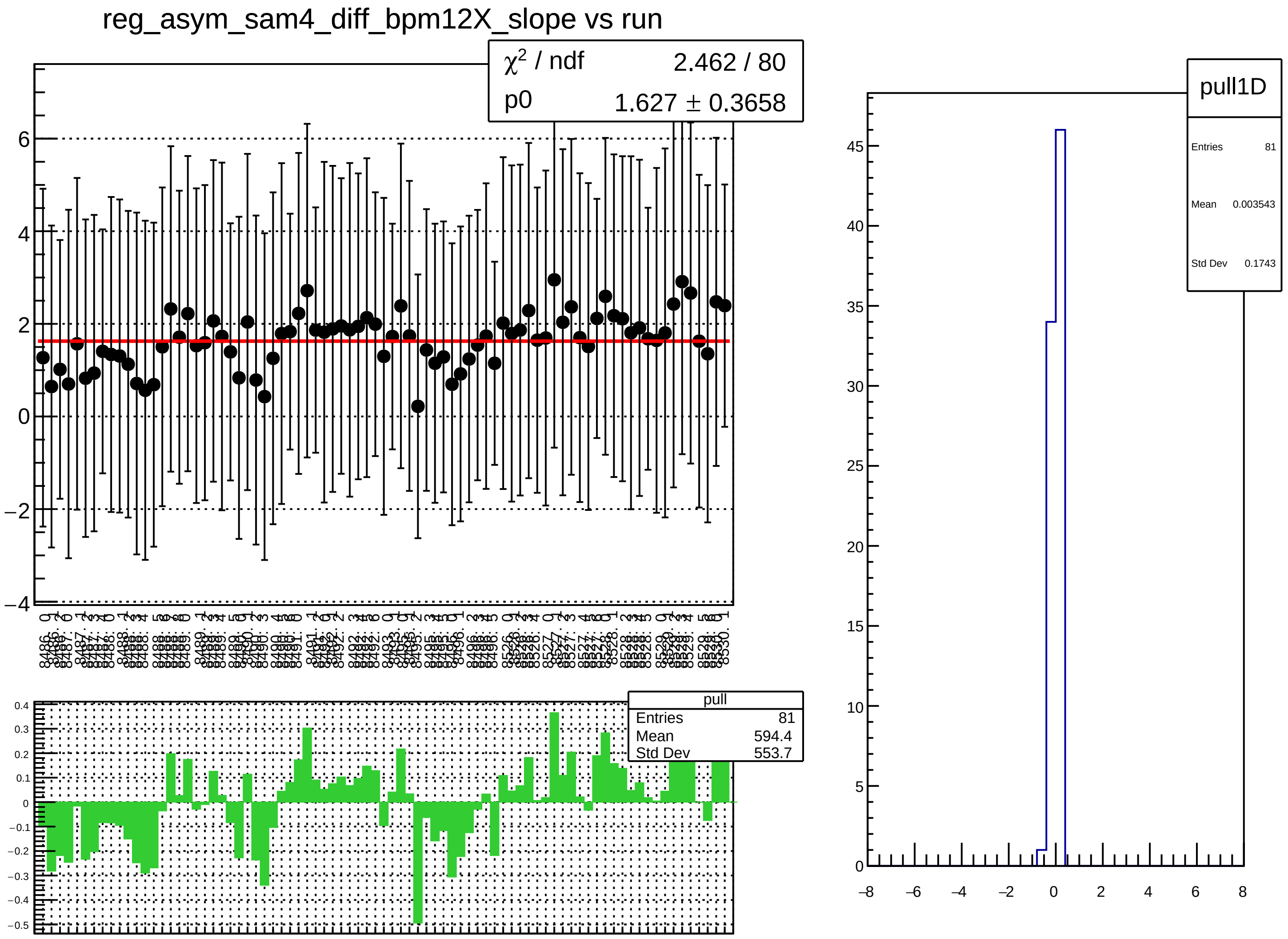
reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 2.431 / 80
p0 78.3 ± 5.758
pull
Entries 81
Mean 268.6
Std Dev 224.8
pull1D
Entries 81
Mean 0.004597
Std Dev 0.1732



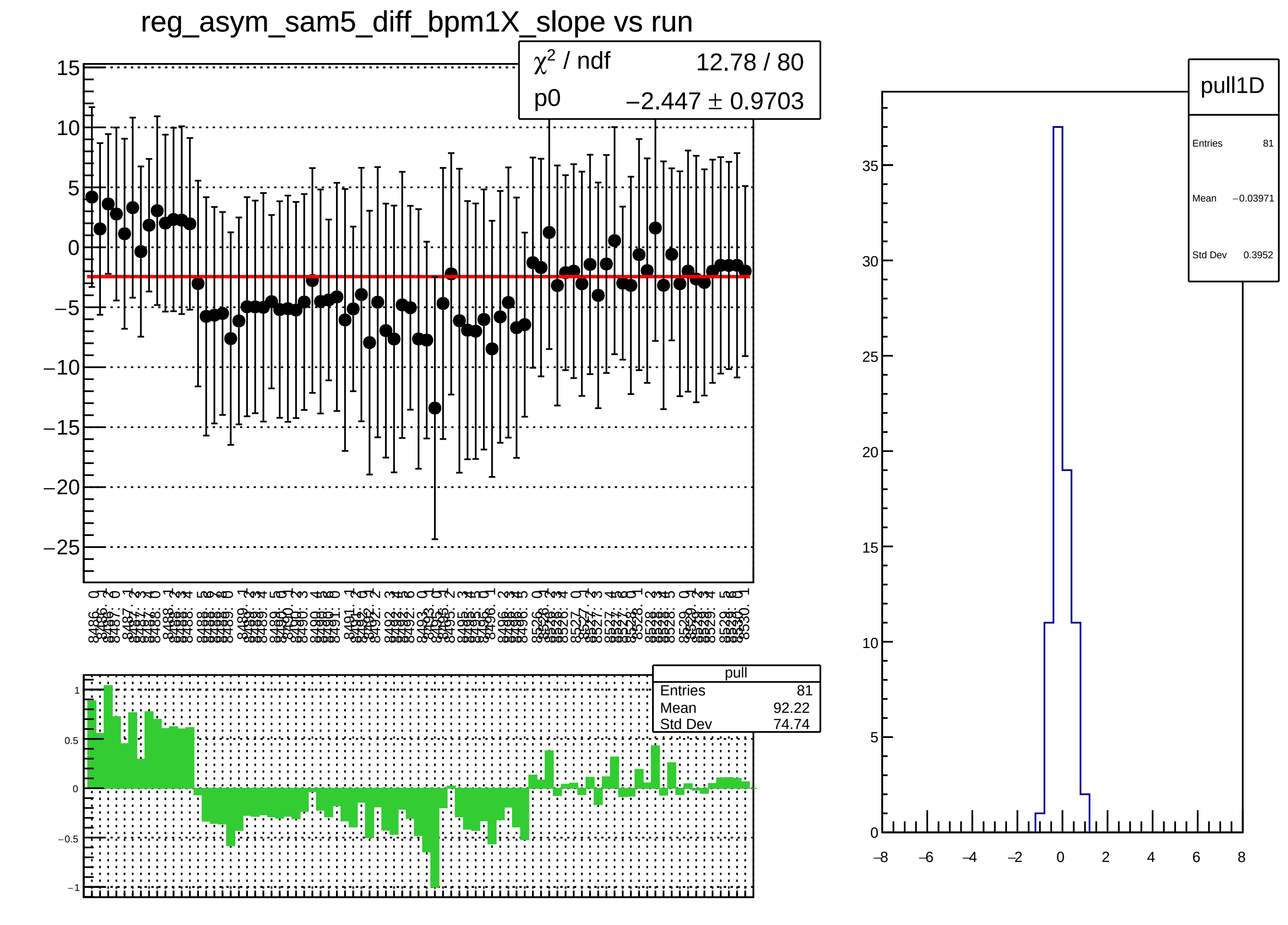
reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 4.938 / 80
p0 −133.2 ± 3.874
−80
−100
−120
−140
−160
−180
pull
Entries 81
Mean 3101
Std Dev 3091
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 81
Mean 0.0004483
Std Dev 0.2469
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



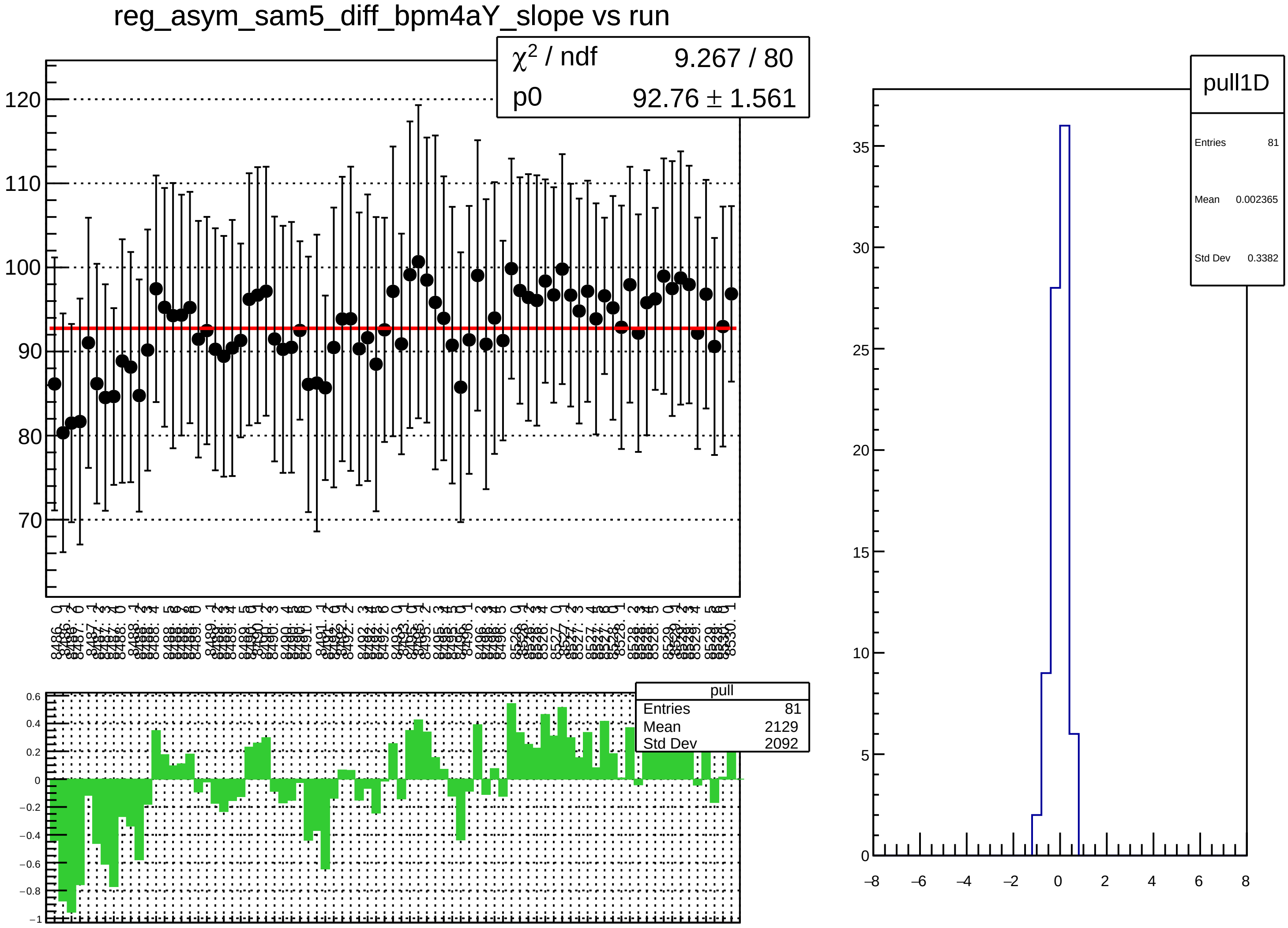
reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 2.116 / 80
p0 146.7 ± 6.089
pull
Entries 81
Mean 228.2
Std Dev 185.3
pull1D
Entries 81
Mean −0.004124
Std Dev 0.1616



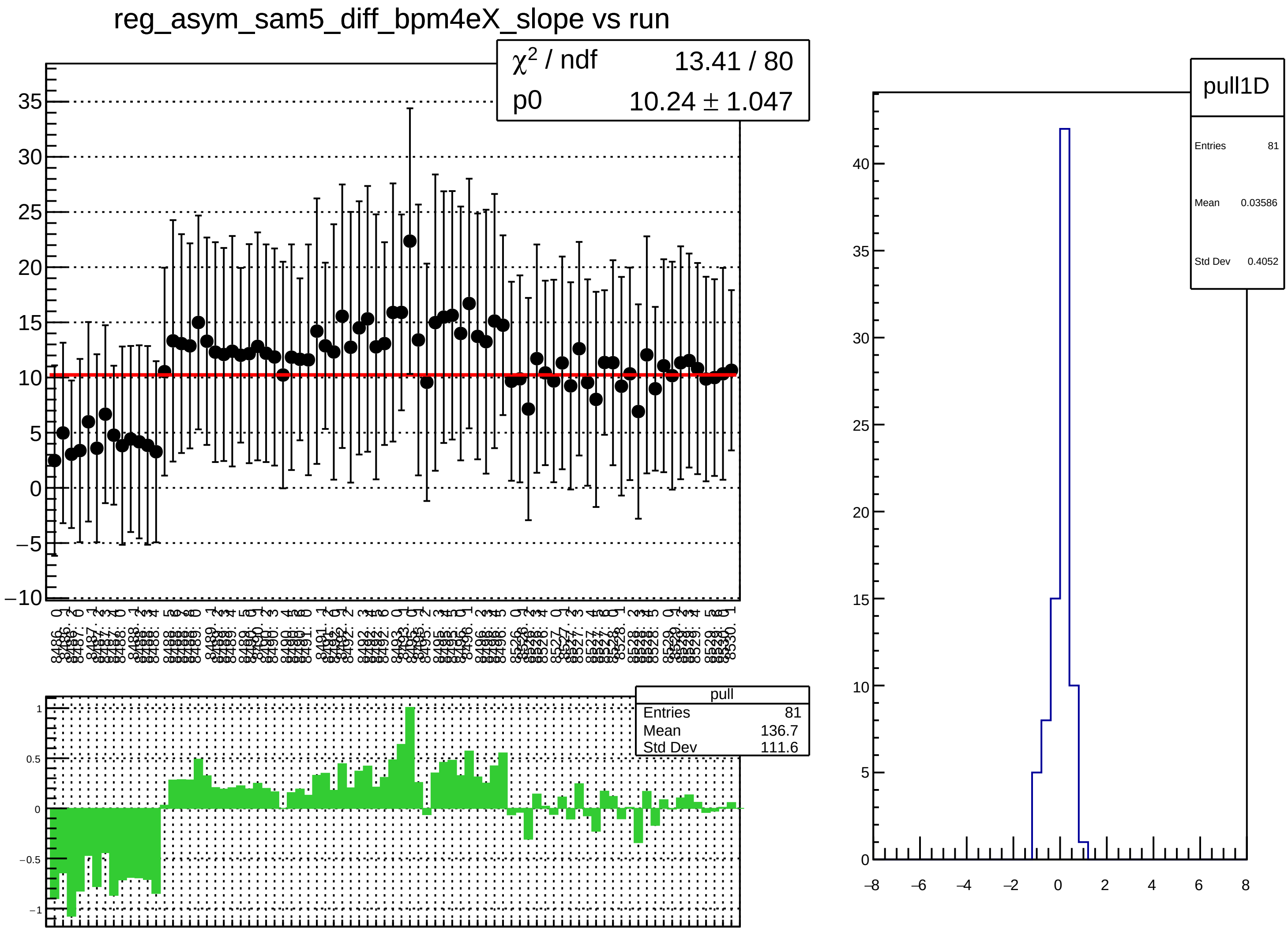
reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 2.462 / 80
p0 1.627 ± 0.3658
pull
Entries 81
Mean 594.4
Std Dev 553.7
pull1D
Entries 81
Mean 0.003543
Std Dev 0.1743



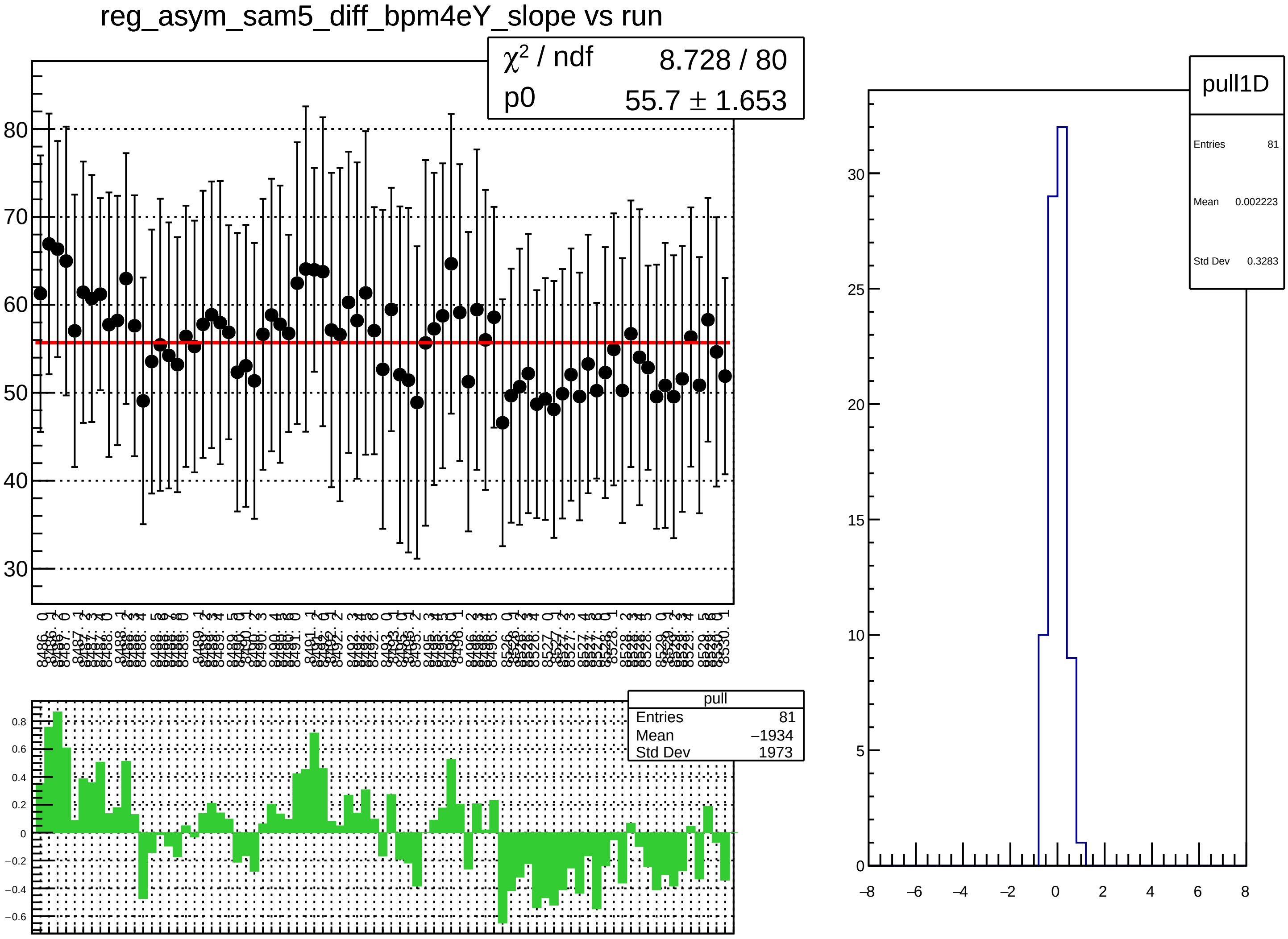
reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 12.78 / 80
p0 −2.447 ± 0.9703
pull
Entries 81
Mean 92.22
Std Dev 74.74
pull1D
Entries 81
Mean −0.03971
Std Dev 0.3952



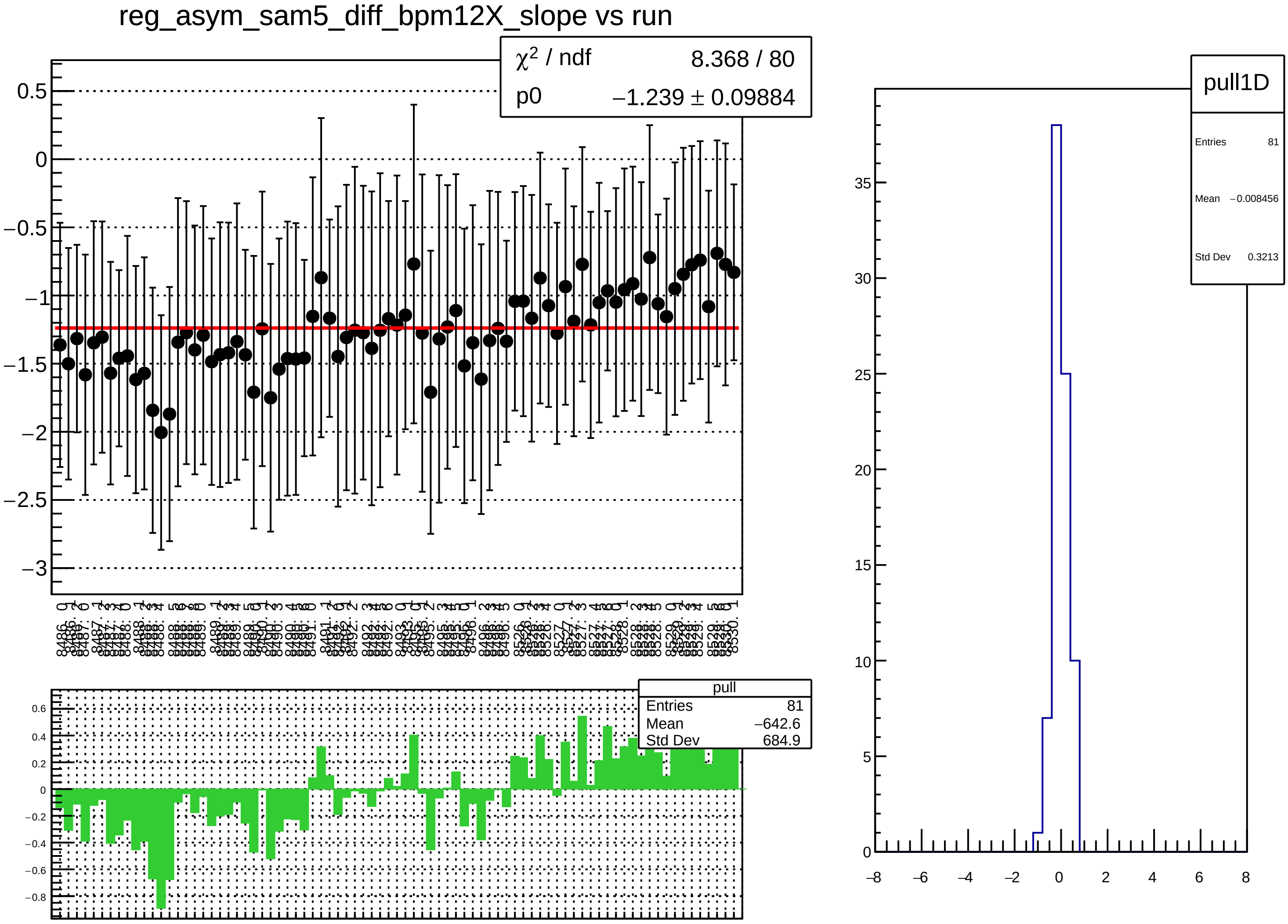
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 9.267 / 80
p0 92.76 ± 1.561
pull
Entries 81
Mean 2129
Std Dev 2092
pull1D
Entries 81
Mean 0.002365
Std Dev 0.3382



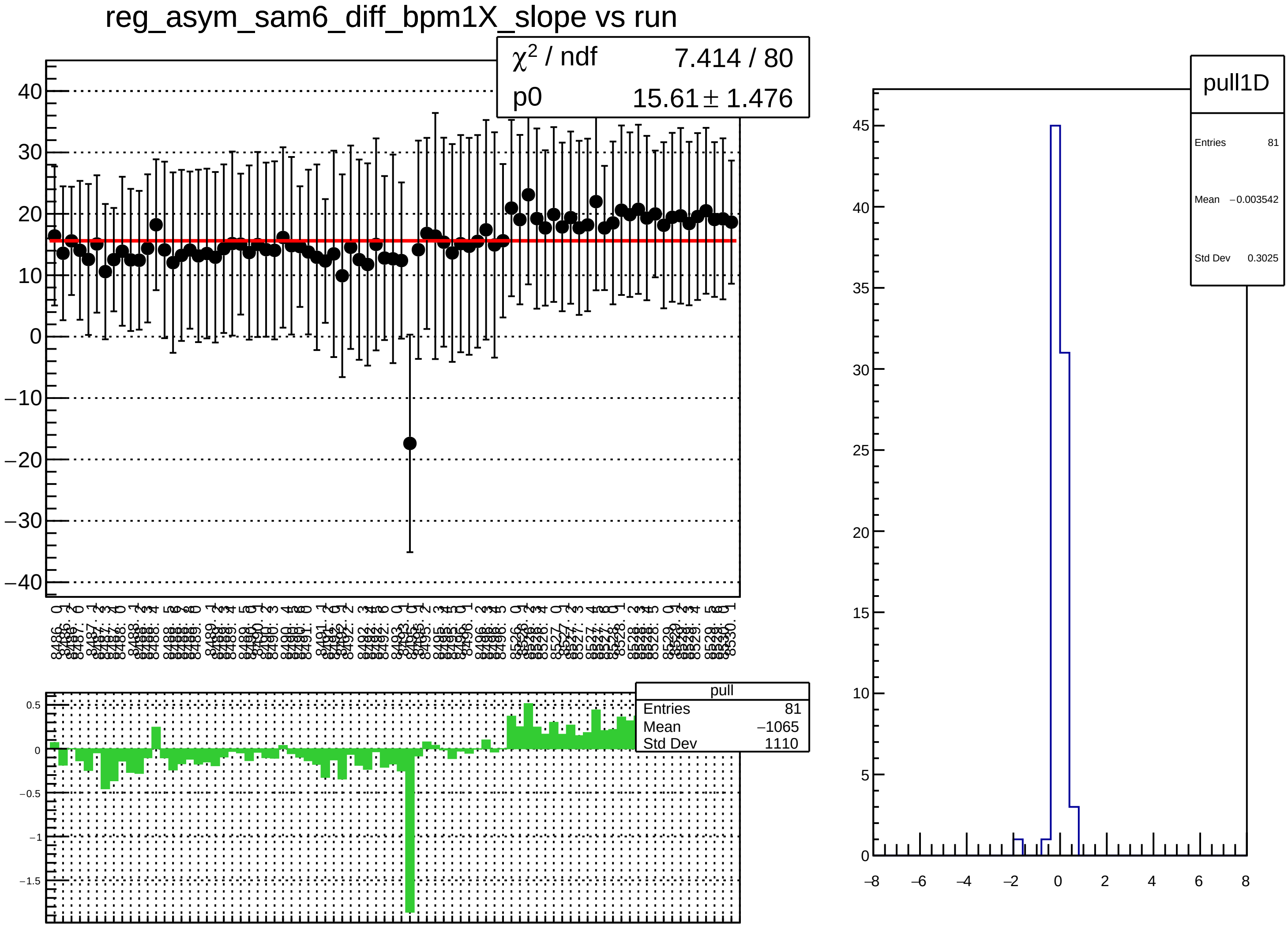
reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 13.41 / 80
p0 10.24 ± 1.047
pull
Entries 81
Mean 136.7
Std Dev 111.6
pull1D
Entries 81
Mean 0.03586
Std Dev 0.4052



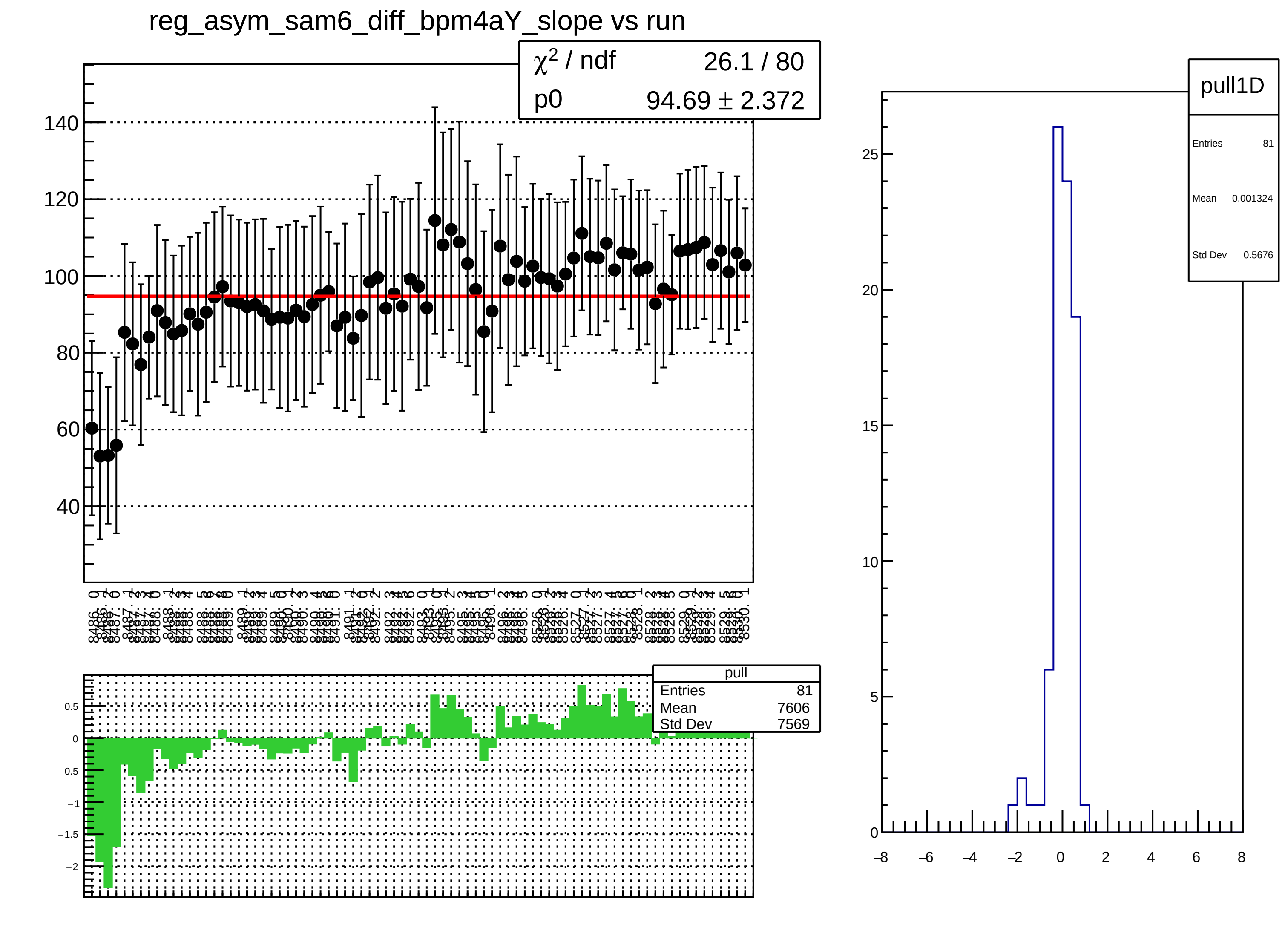
reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 8.728 / 80
p0 55.7 ± 1.653
pull
Entries 81
Mean −1934
Std Dev 1973
pull1D
Entries 81
Mean 0.002223
Std Dev 0.3283



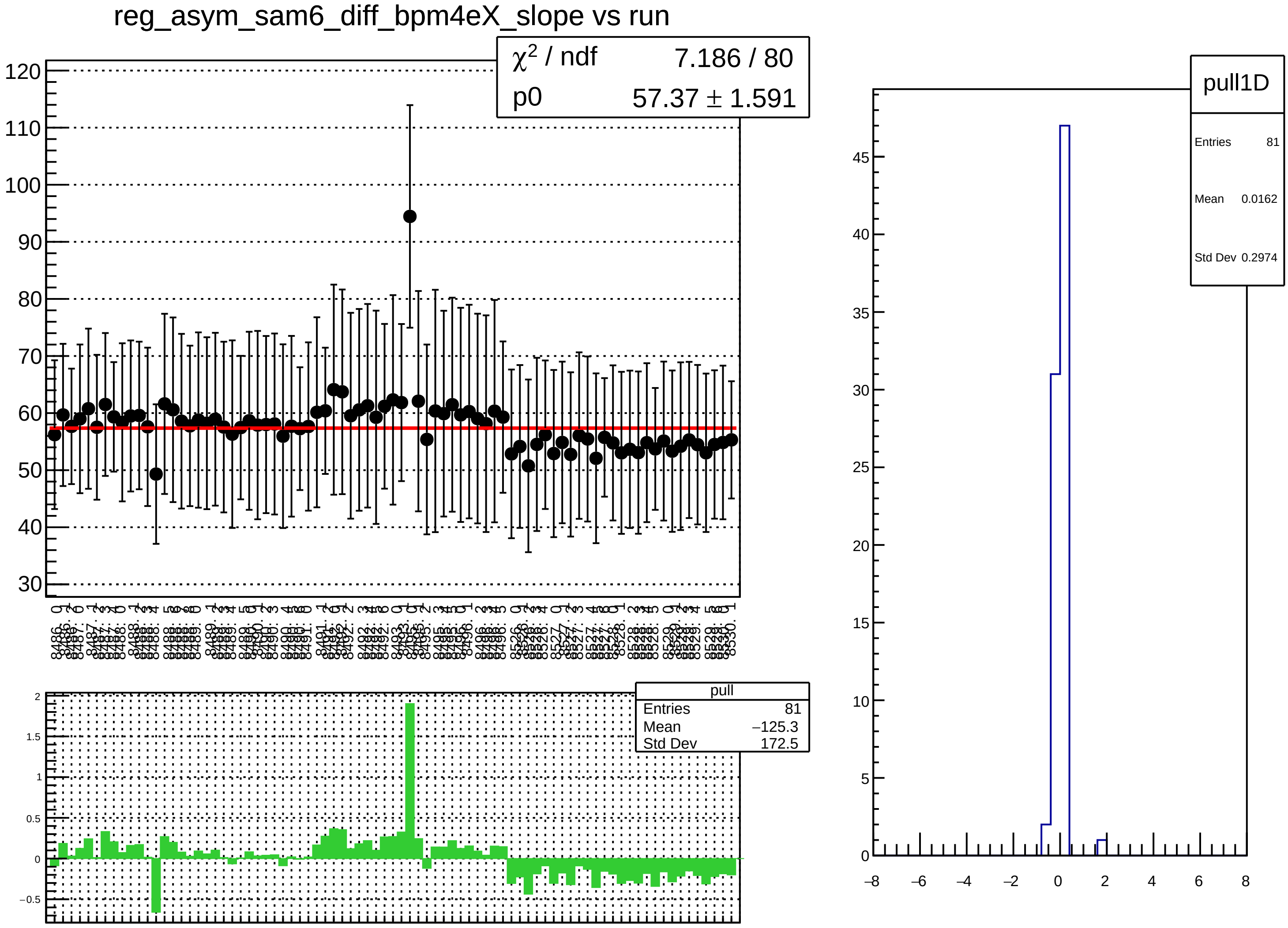
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 8.368 / 80
p0 −1.239 ± 0.09884
pull
Entries 81
Mean −642.6
Std Dev 684.9
pull1D
Entries 81
Mean −0.008456
Std Dev 0.3213



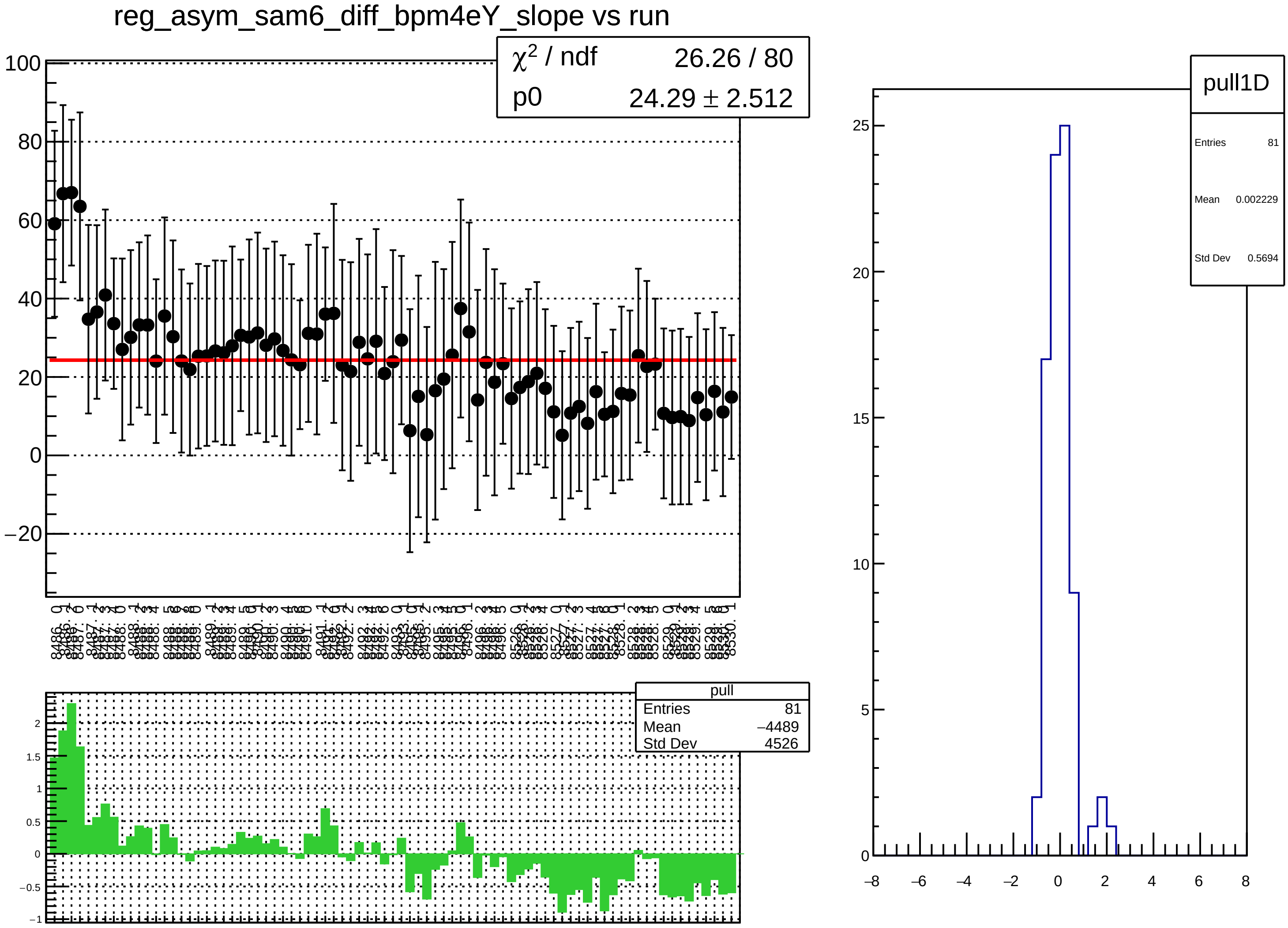
reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.414 / 80
p0 15.61 ± 1.476
pull
Entries 81
Mean −1065
Std Dev 1110
pull1D
Entries 81
Mean −0.003542
Std Dev 0.3025



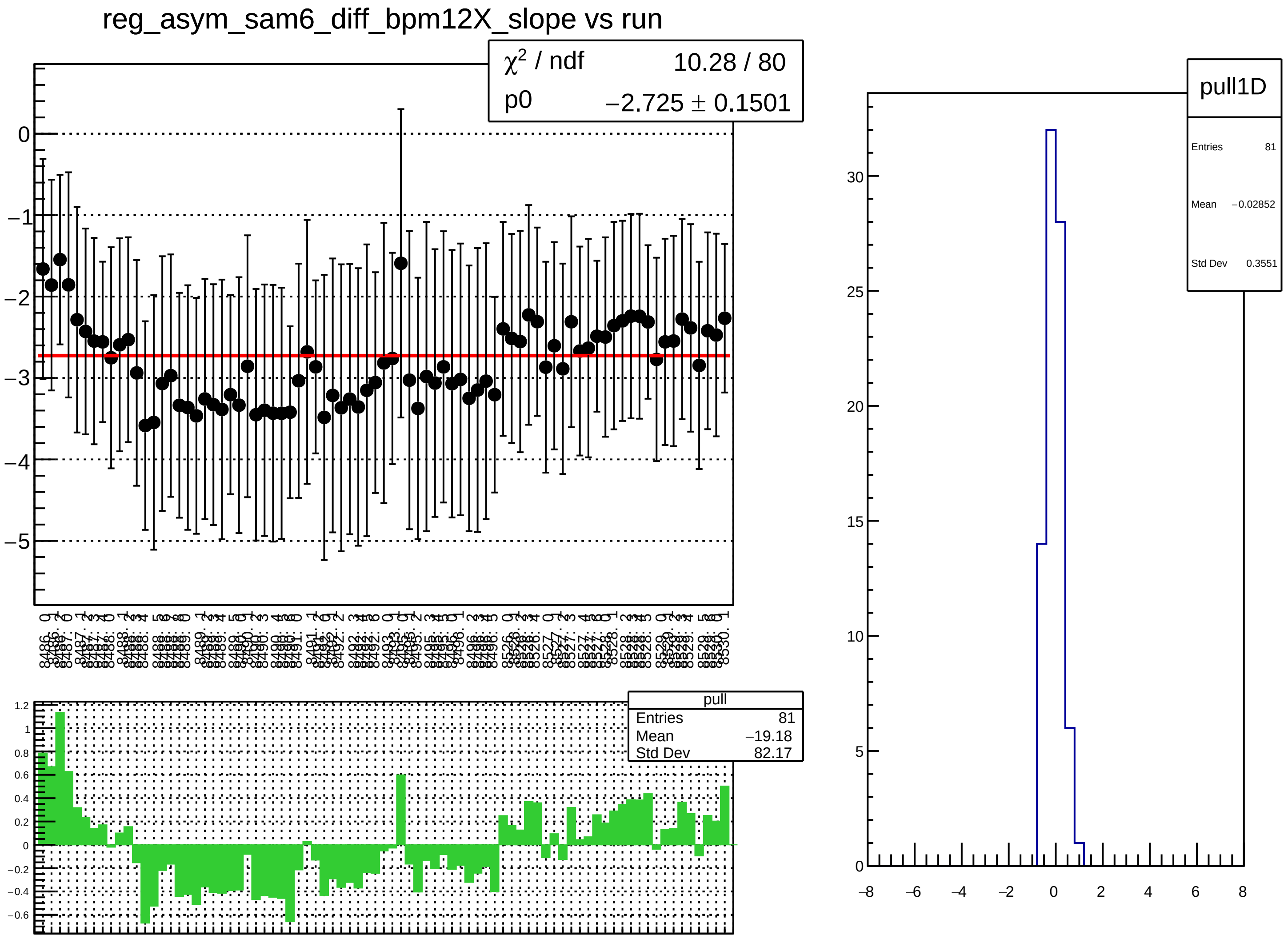
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 26.1 / 80
p0 94.69 ± 2.372
pull
Entries 81
Mean 7606
Std Dev 7569
pull1D
Entries 81
Mean 0.001324
Std Dev 0.5676



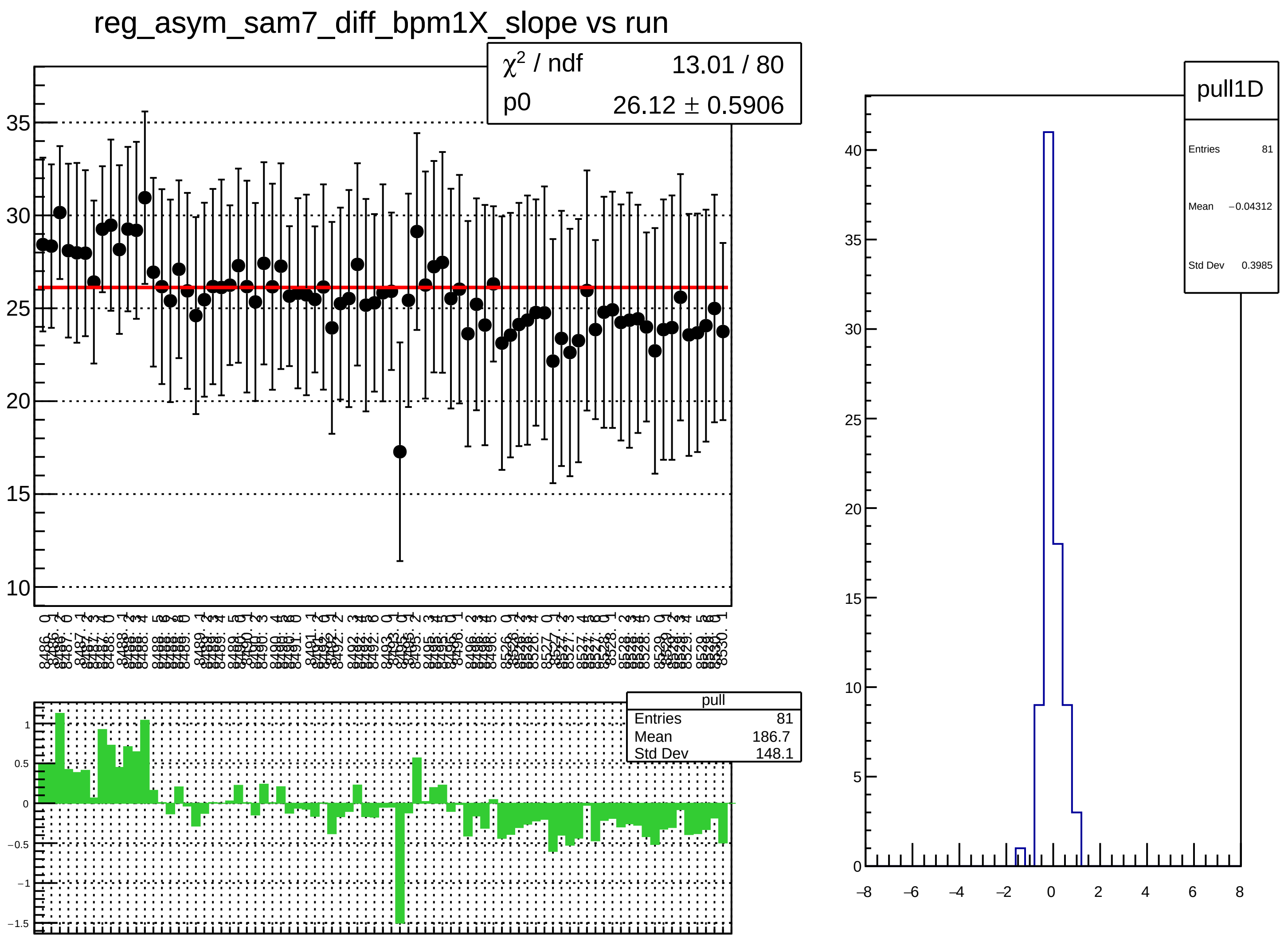
reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 7.186 / 80
p0 57.37 ± 1.591
pull
Entries 81
Mean −125.3
Std Dev 172.5
pull1D
Entries 81
Mean 0.0162
Std Dev 0.2974



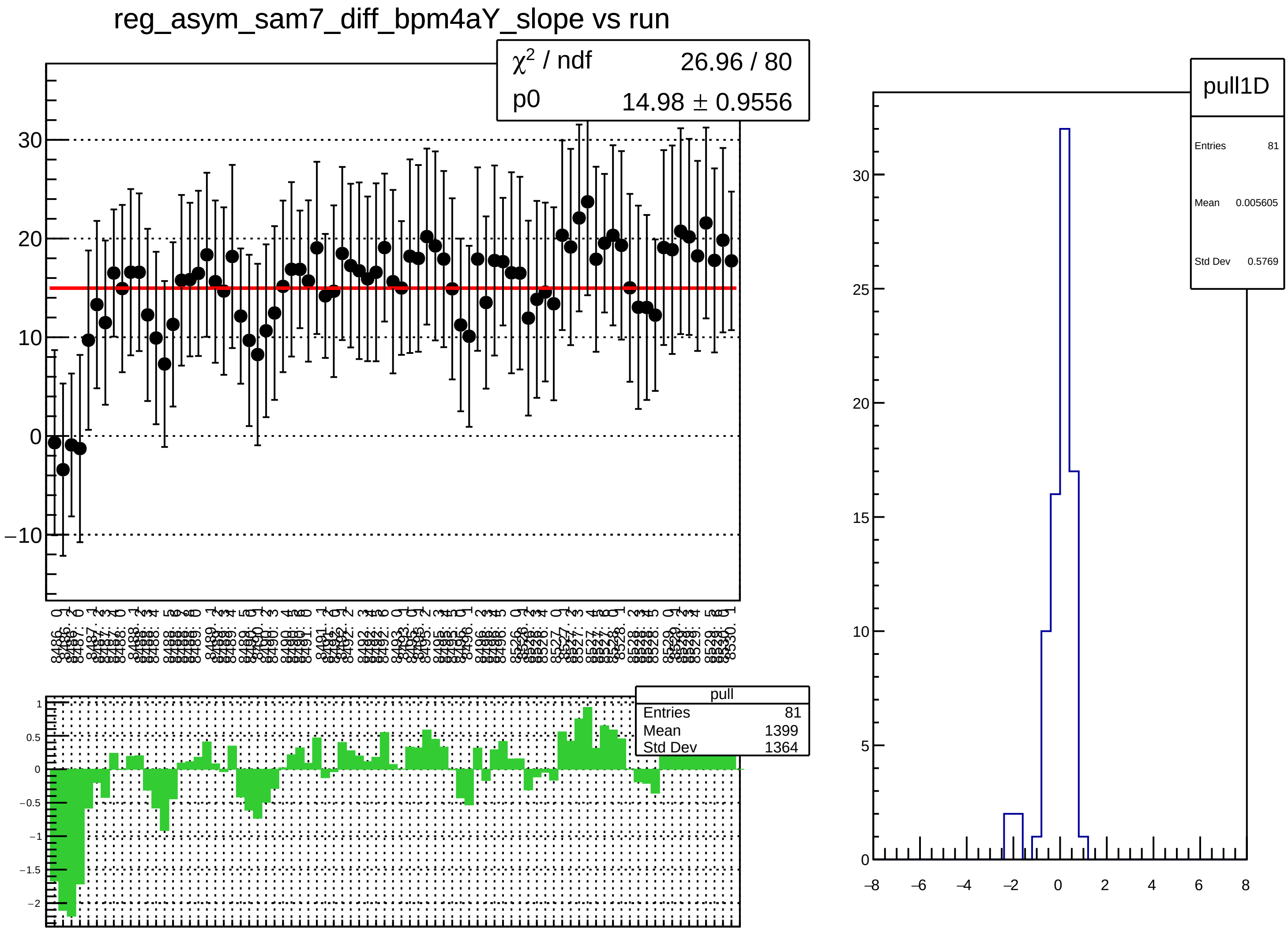
reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 26.26 / 80
p0 24.29 ± 2.512
pull
Entries 81
Mean −4489
Std Dev 4526
pull1D
Entries 81
Mean 0.002229
Std Dev 0.5694

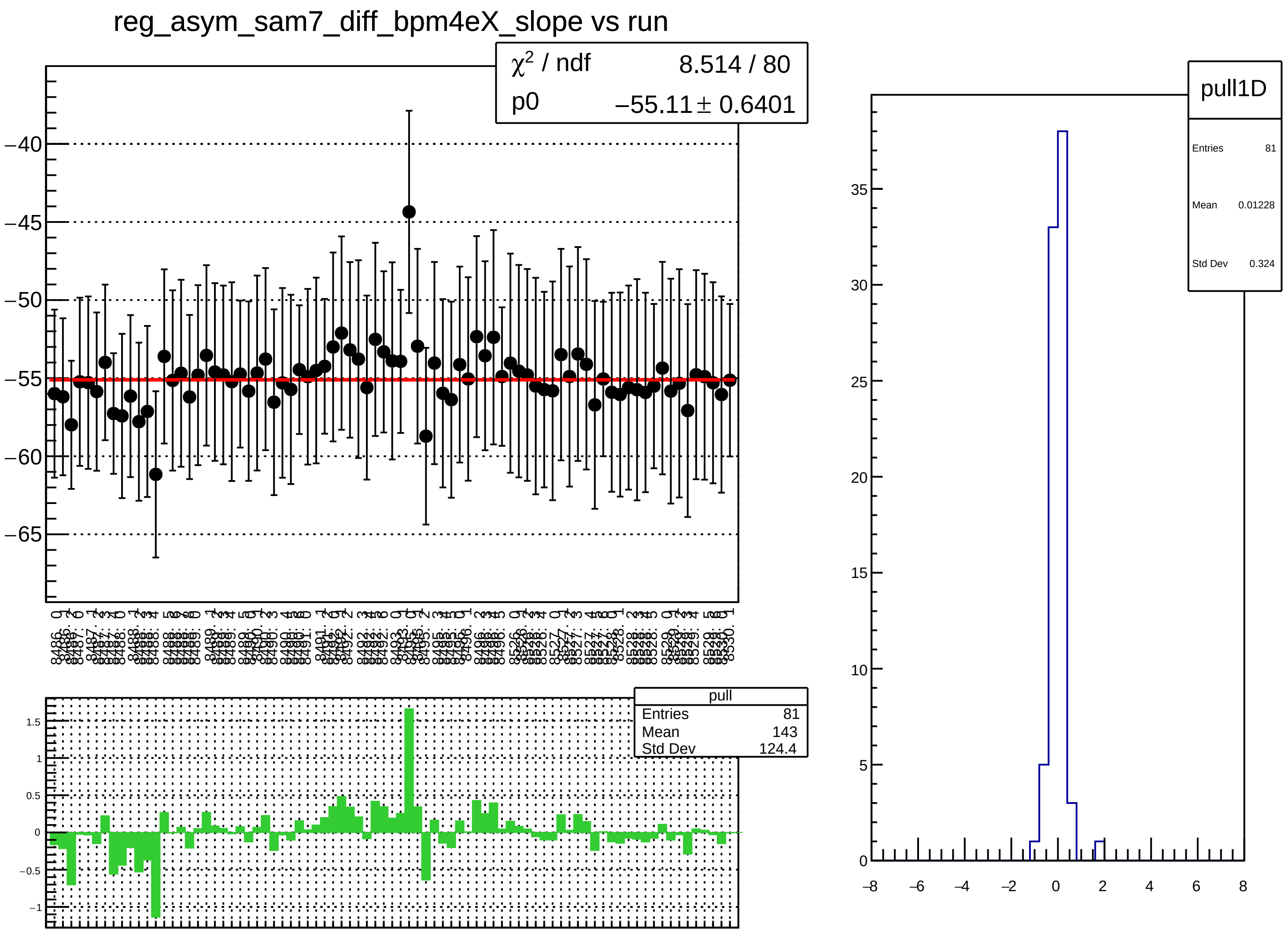


reg_asym_sam6_diff_bpm12X_slope vs run
χ2 / ndf 10.28 / 80
p0 −2.725 ± 0.1501
pull
Entries 81
Mean −19.18
Std Dev 82.17
pull1D
Entries 81
Mean −0.02852
Std Dev 0.3551

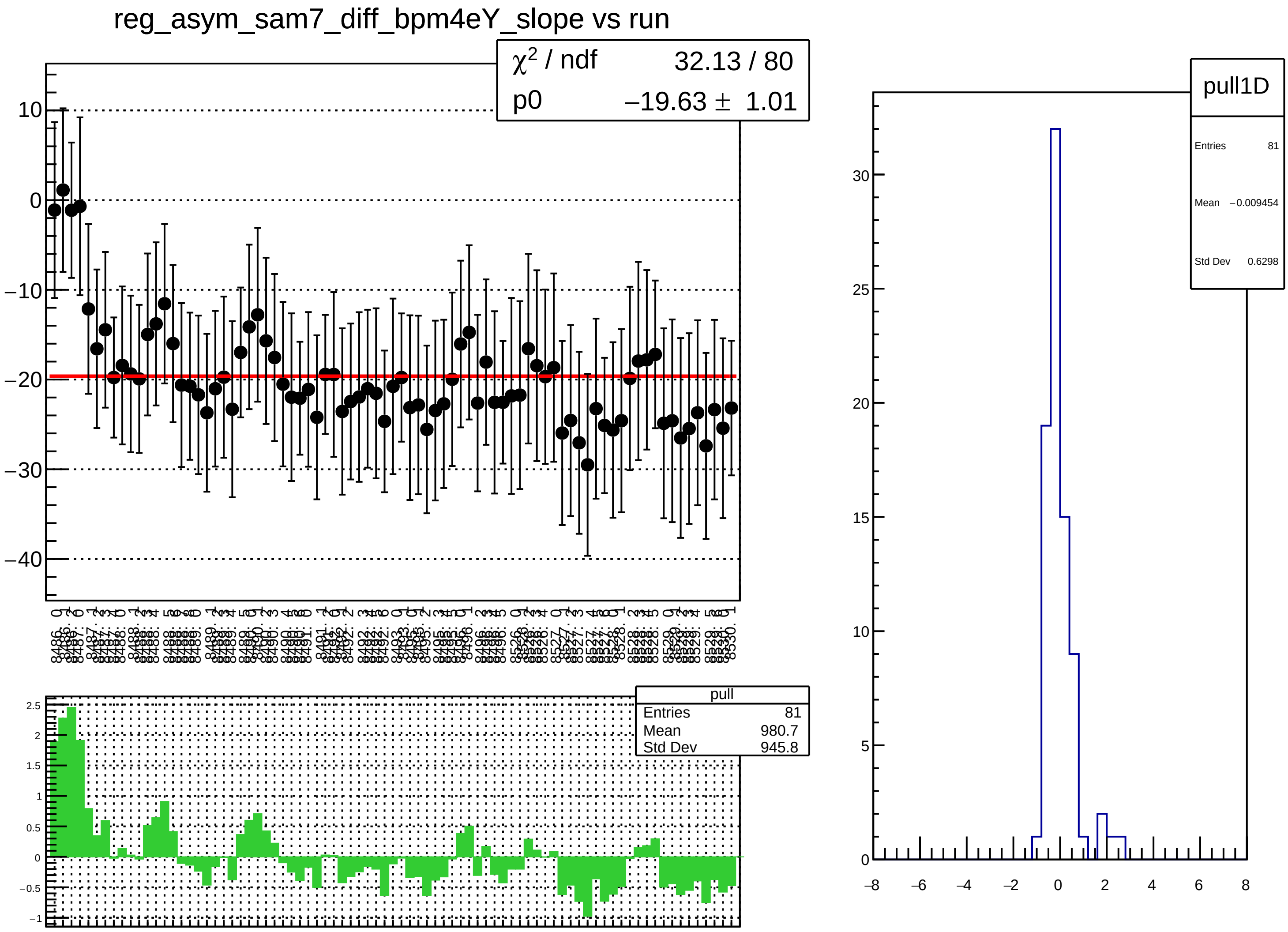


reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 13.01 / 80
p0 26.12 ± 0.5906
pull
Entries 81
Mean 186.7
Std Dev 148.1
pull1D
Entries 81
Mean −0.04312
Std Dev 0.3985

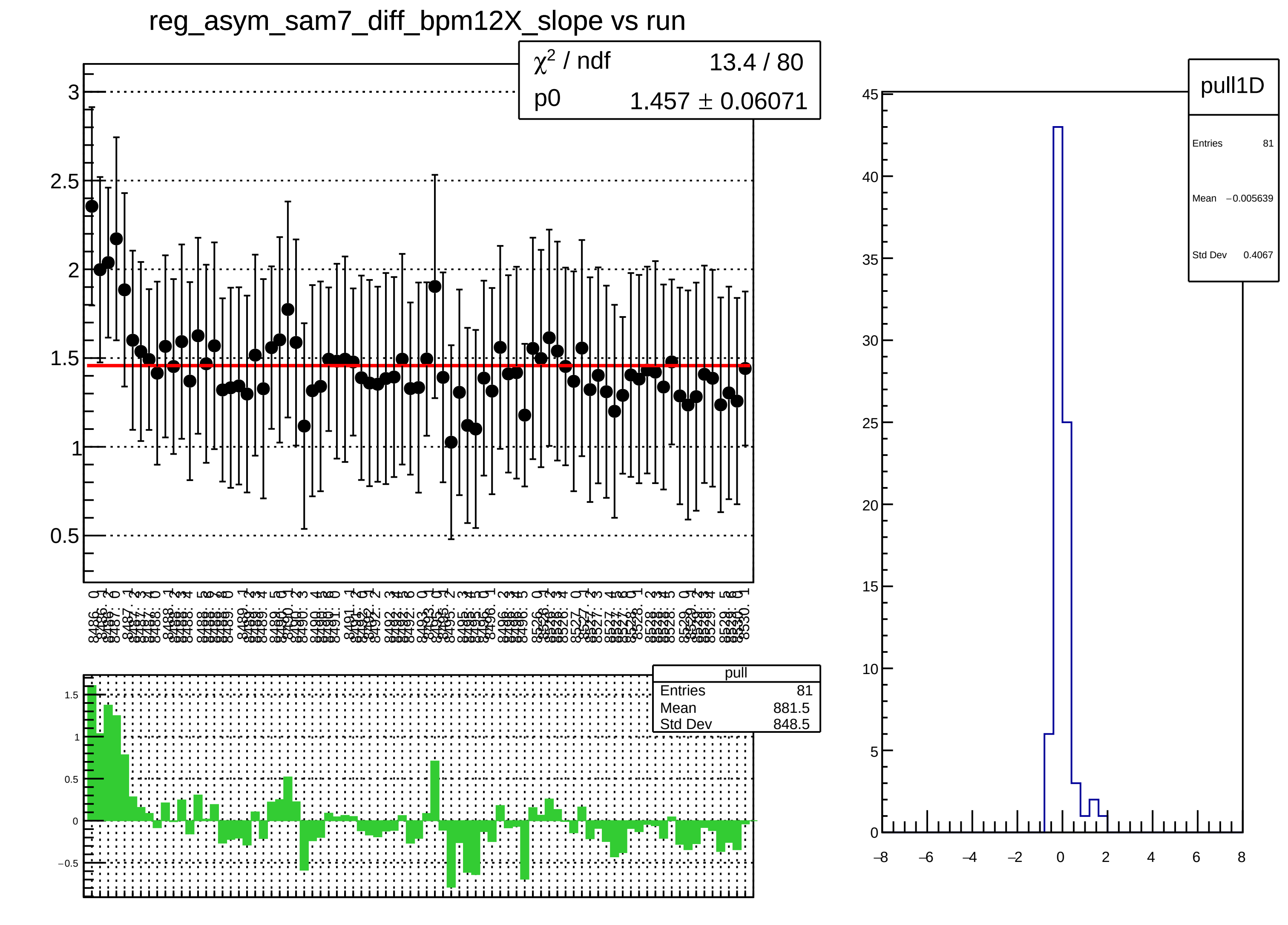

reg_asym_sam7_diff_bpm4aY_slope vs run
χ2 / ndf 26.96 / 80
p0 14.98 ± 0.9556
pull
Entries 81
Mean 1399
Std Dev 1364
pull1D
Entries 81
Mean 0.005605
Std Dev 0.5769

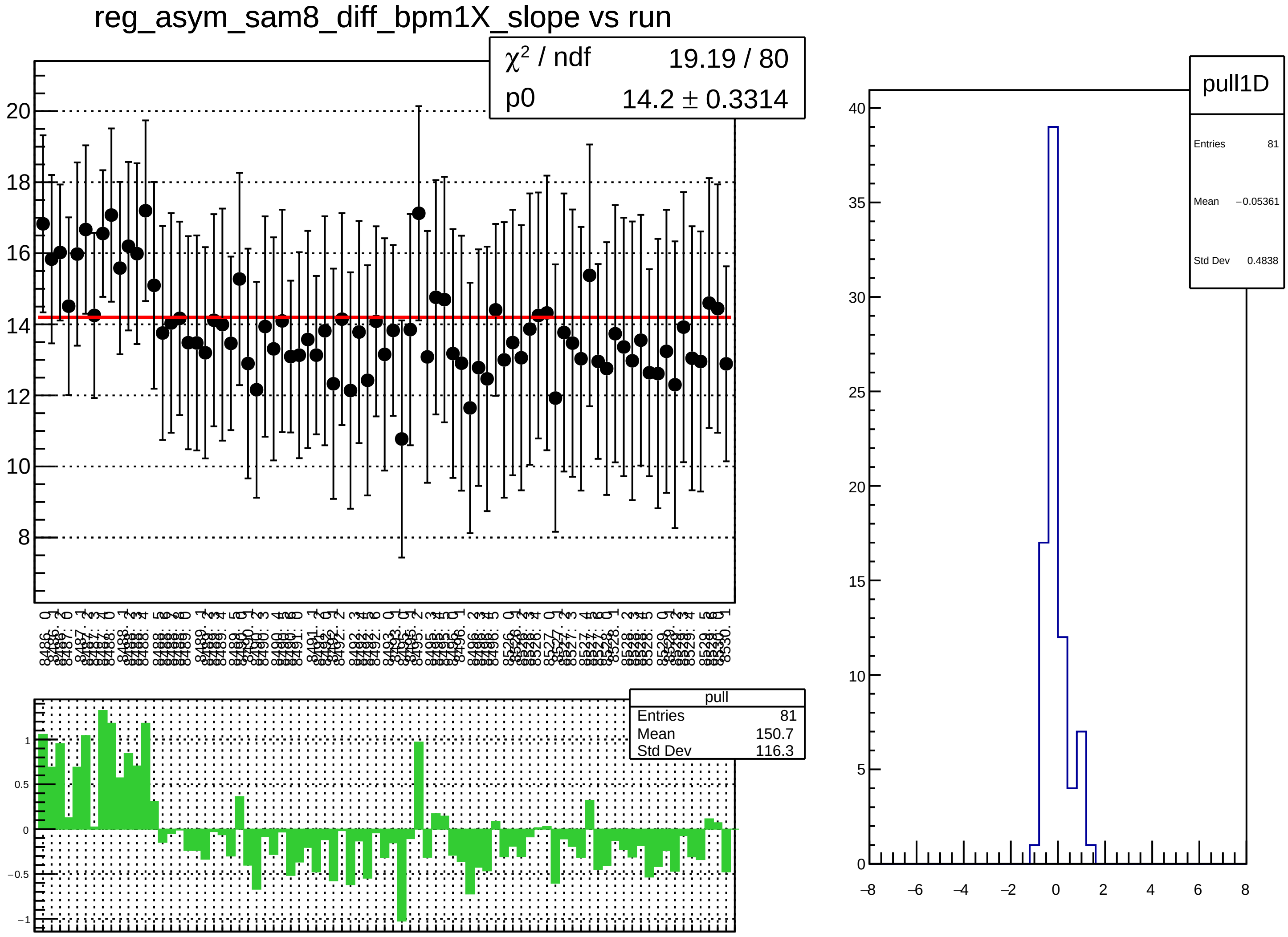


reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 8.514 / 80
p0 −55.11 ± 0.6401
pull
Entries 81
Mean 143
Std Dev 124.4
pull1D
Entries 81
Mean 0.01228
Std Dev 0.324

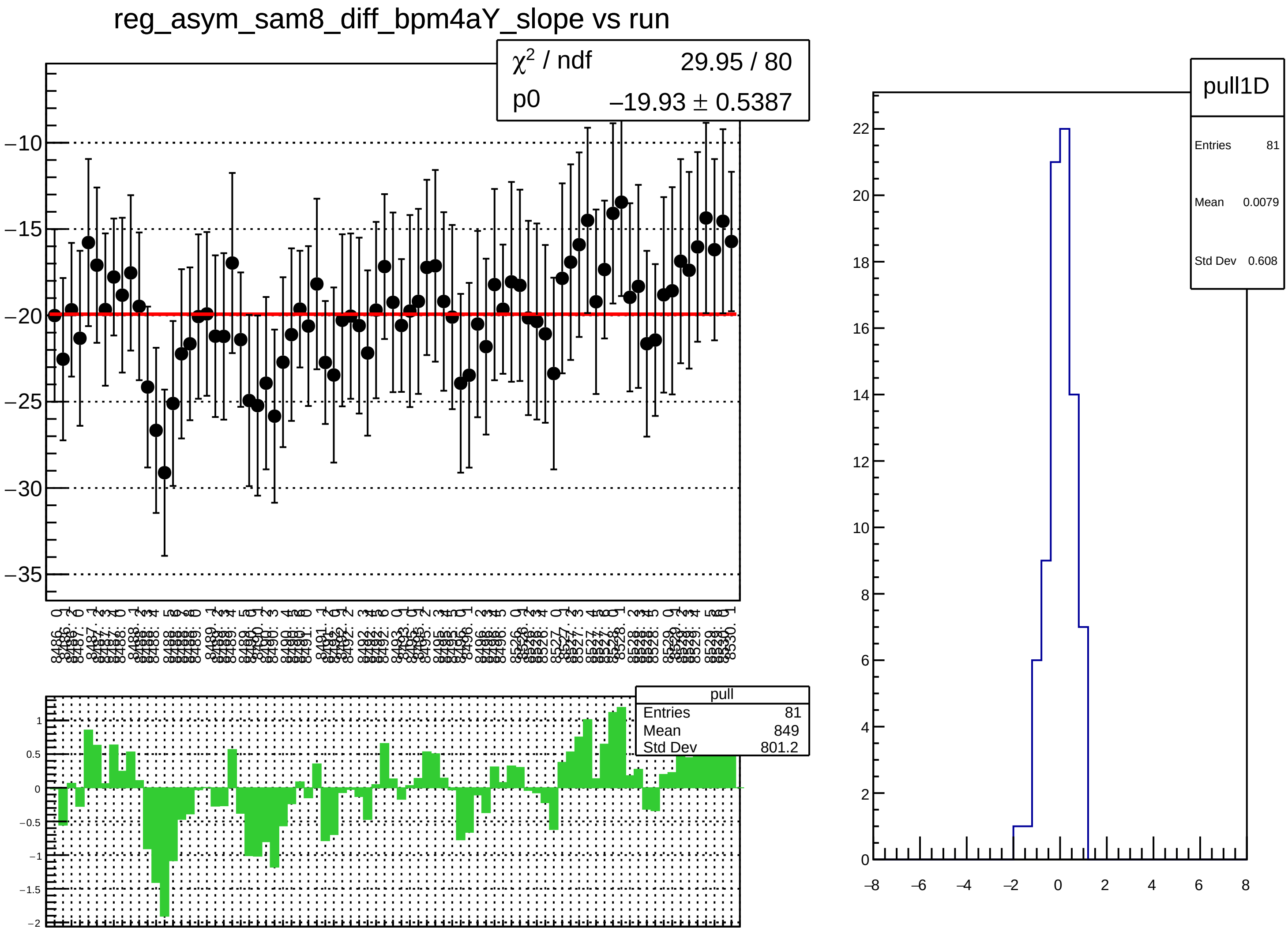


reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 32.13 / 80
p0 −19.63 ± 1.01
pull
Entries 81
Mean 980.7
Std Dev 945.8
pull1D
Entries 81
Mean −0.009454
Std Dev 0.6298

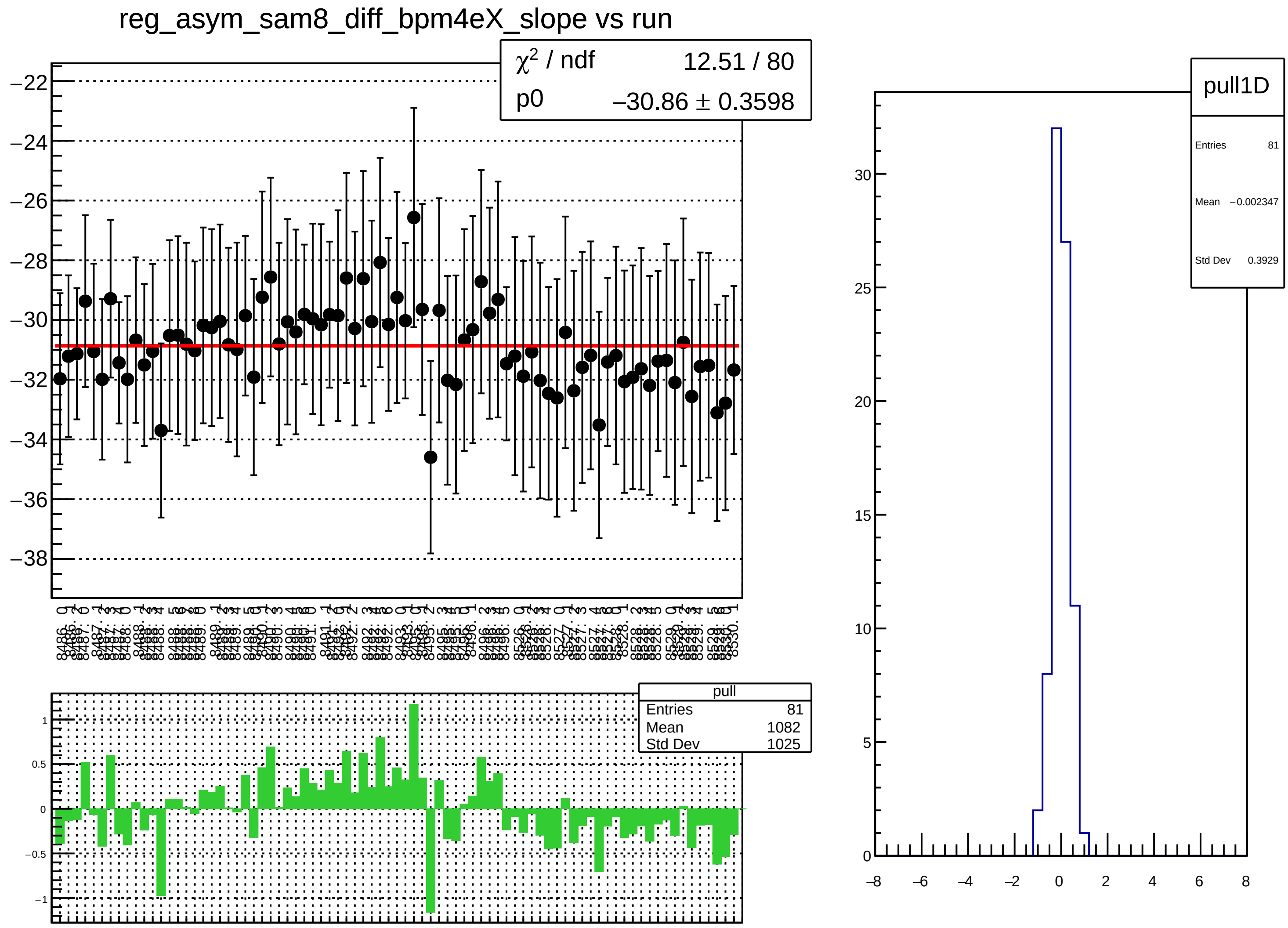

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 13.4 / 80
p0 1.457 ± 0.06071
pull
Entries 81
Mean 881.5
Std Dev 848.5
pull1D
Entries 81
Mean −0.005639
Std Dev 0.4067



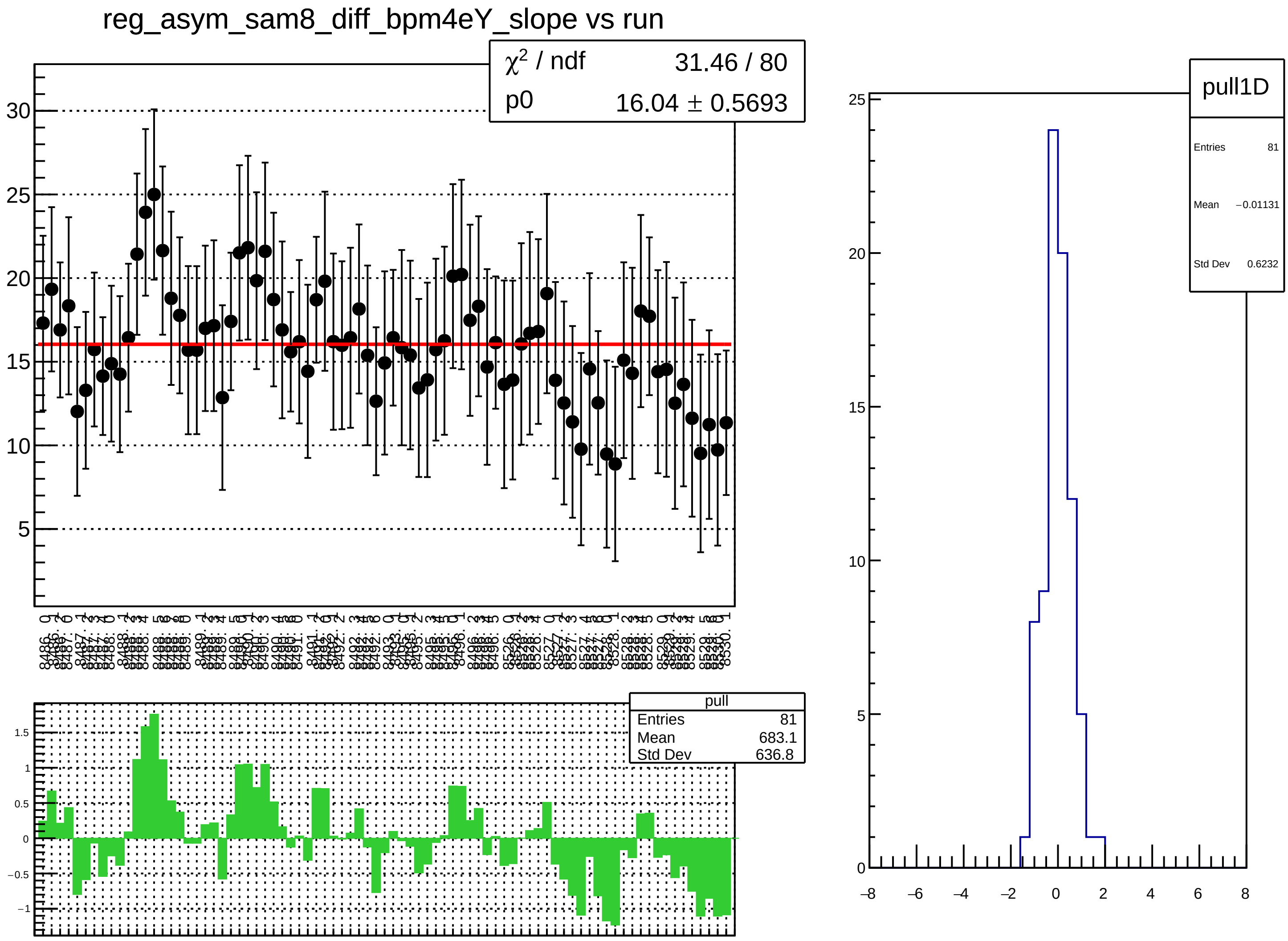
reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 19.19 / 80
p0 14.2 ± 0.3314
pull
Entries 81
Mean 150.7
Std Dev 116.3
pull1D
Entries 81
Mean −0.05361
Std Dev 0.4838



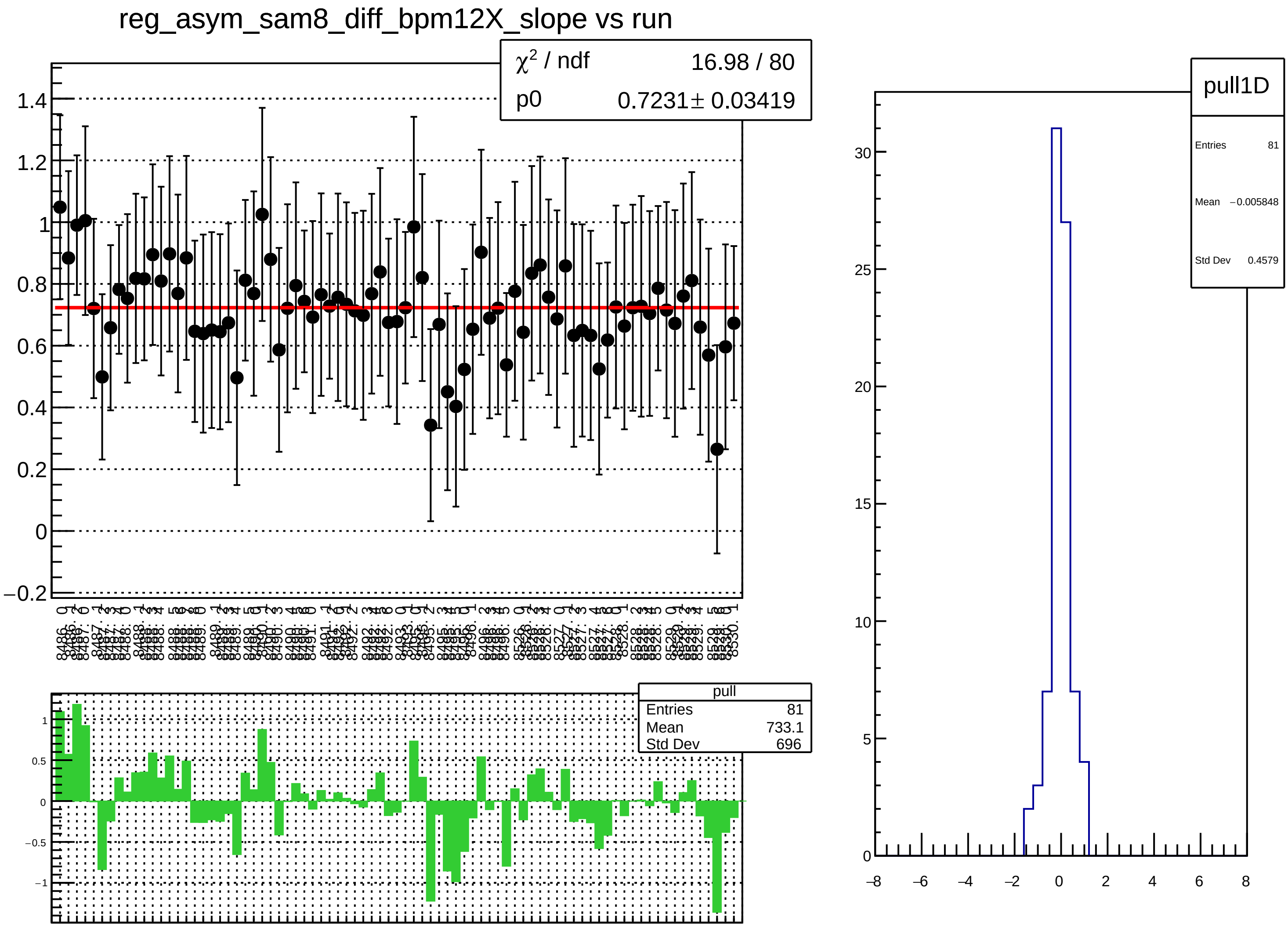
reg_asym_sam8_diff_bpm4aY_slope vs run
χ2 / ndf 29.95 / 80
p0 −19.93 ± 0.5387
pull
Entries 81
Mean 849
Std Dev 801.2
pull1D
Entries 81
Mean 0.0079
Std Dev 0.608



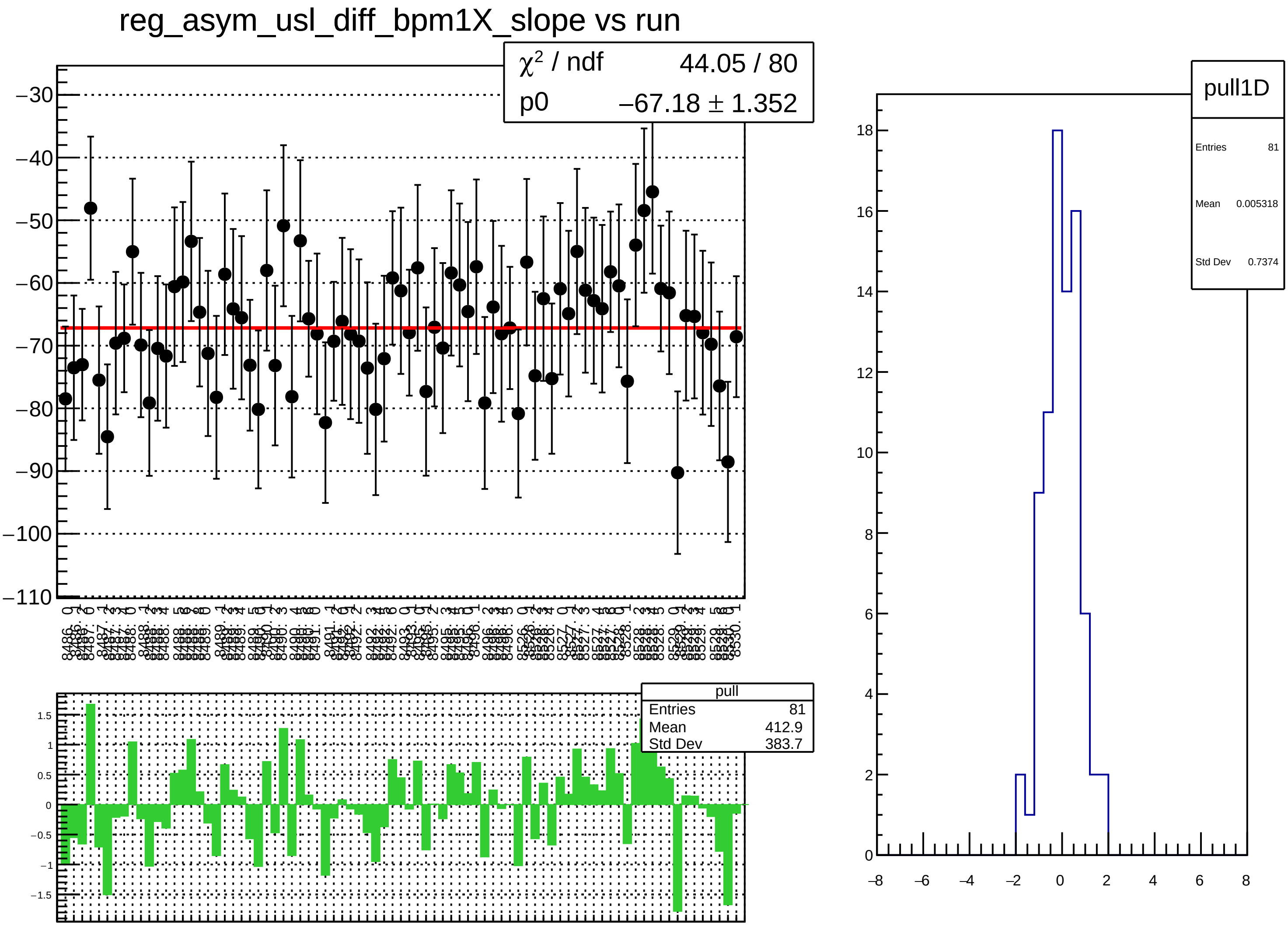
reg_asym_sam8_diff_bpm4eX_slope vs run
χ2 / ndf 12.51 / 80
p0 −30.86 ± 0.3598
pull
Entries 81
Mean 1082
Std Dev 1025
pull1D
Entries 81
Mean −0.002347
Std Dev 0.3929



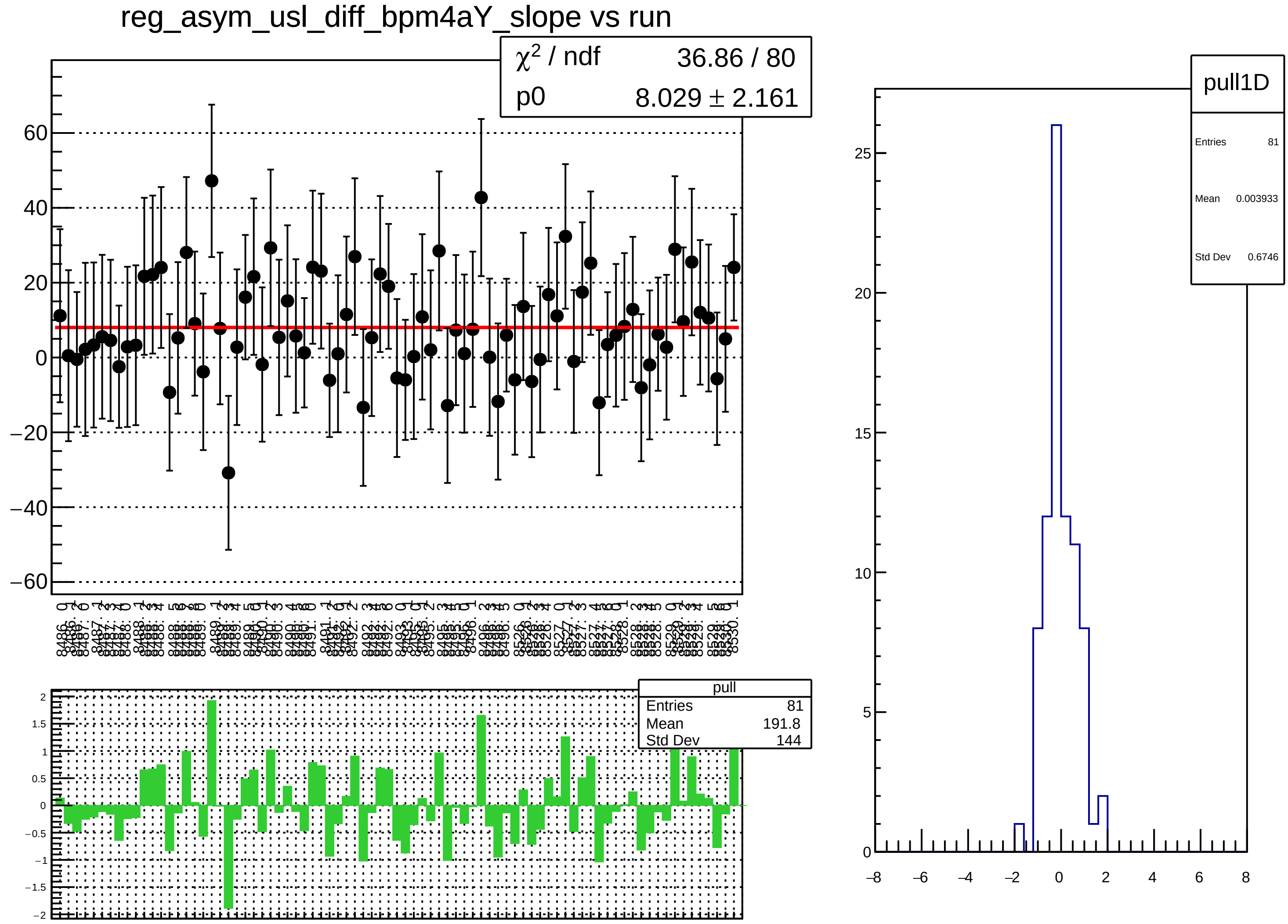
reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 31.46 / 80
p0 16.04 ± 0.5693
pull
Entries 81
Mean 683.1
Std Dev 636.8
pull1D
Entries 81
Mean −0.01131
Std Dev 0.6232



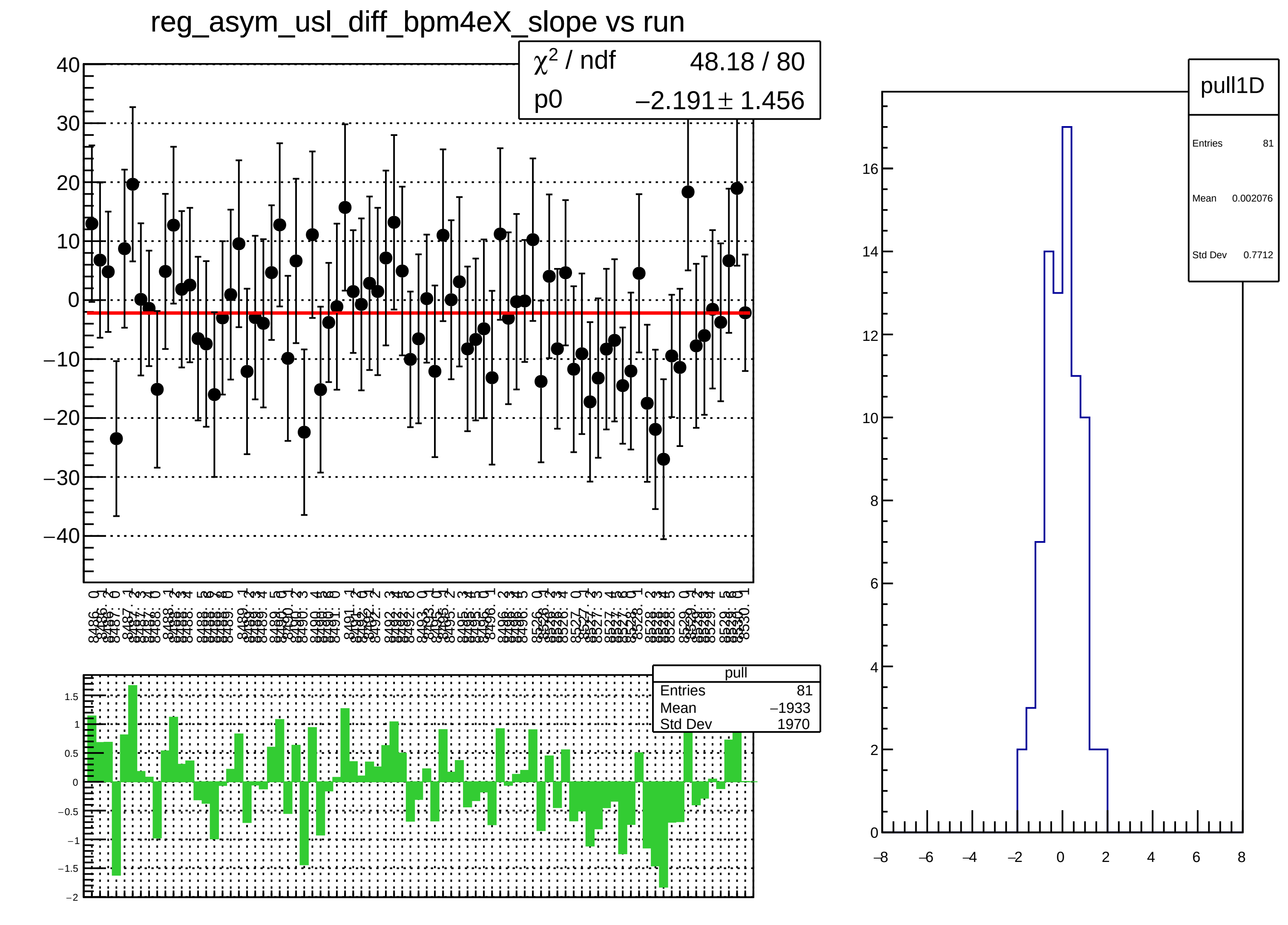
reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 16.98 / 80
p0 0.7231± 0.03419
pull
Entries 81
Mean 733.1
Std Dev 696
pull1D
Entries 81
Mean −0.005848
Std Dev 0.4579



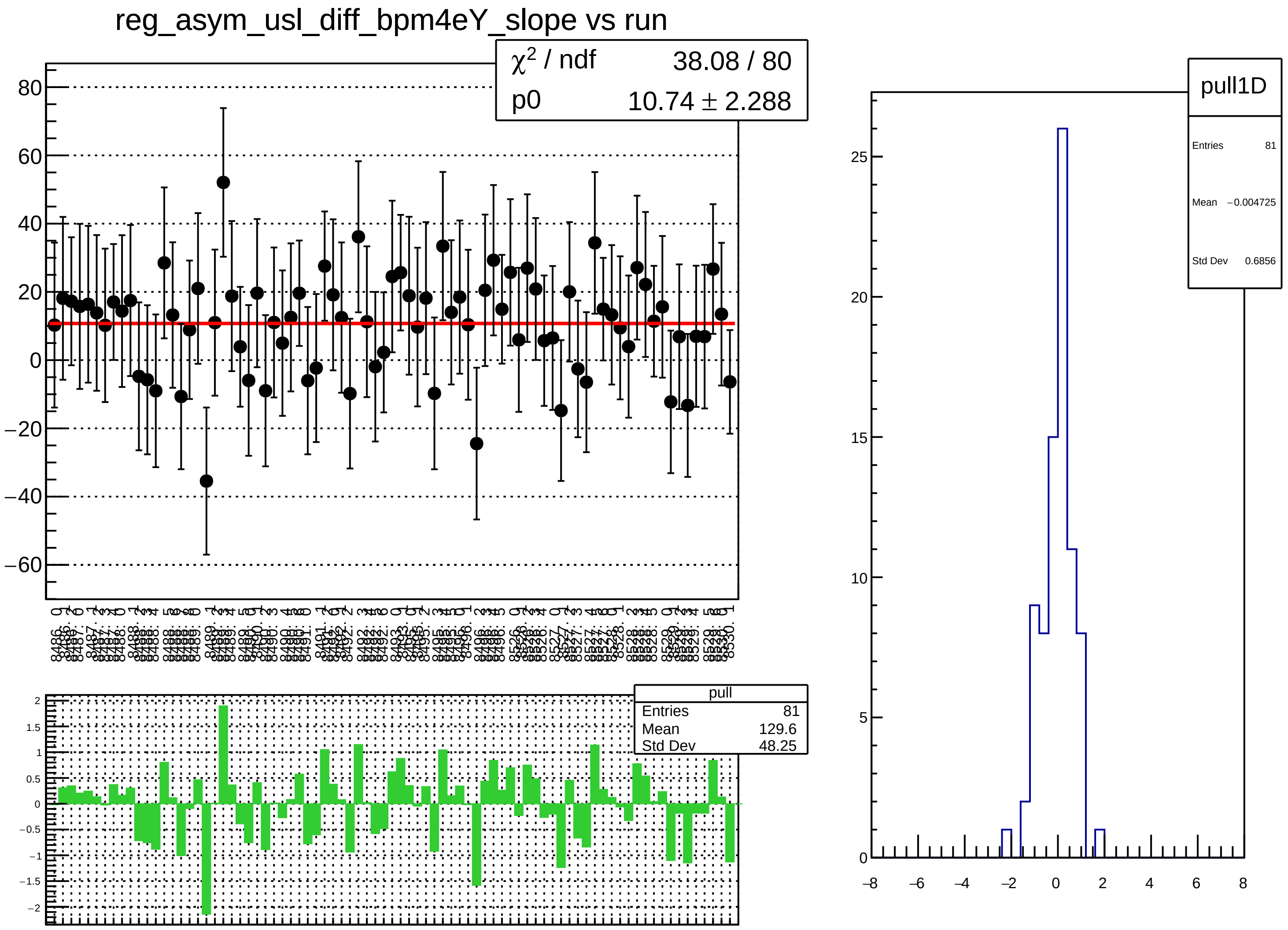
reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 44.05 / 80
p0 −67.18 ± 1.352
pull
Entries 81
Mean 412.9
Std Dev 383.7
pull1D
Entries 81
Mean 0.005318
Std Dev 0.7374

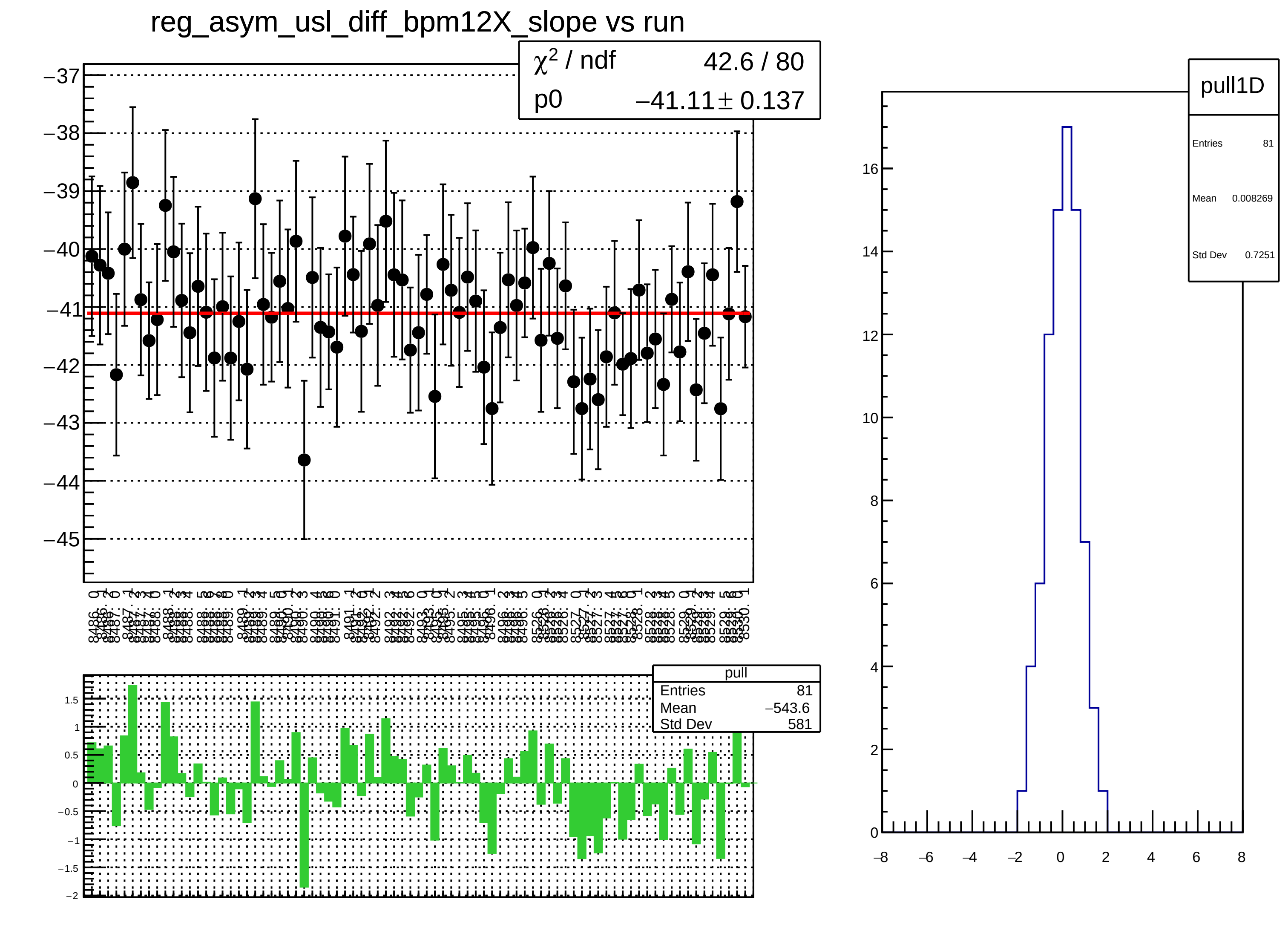


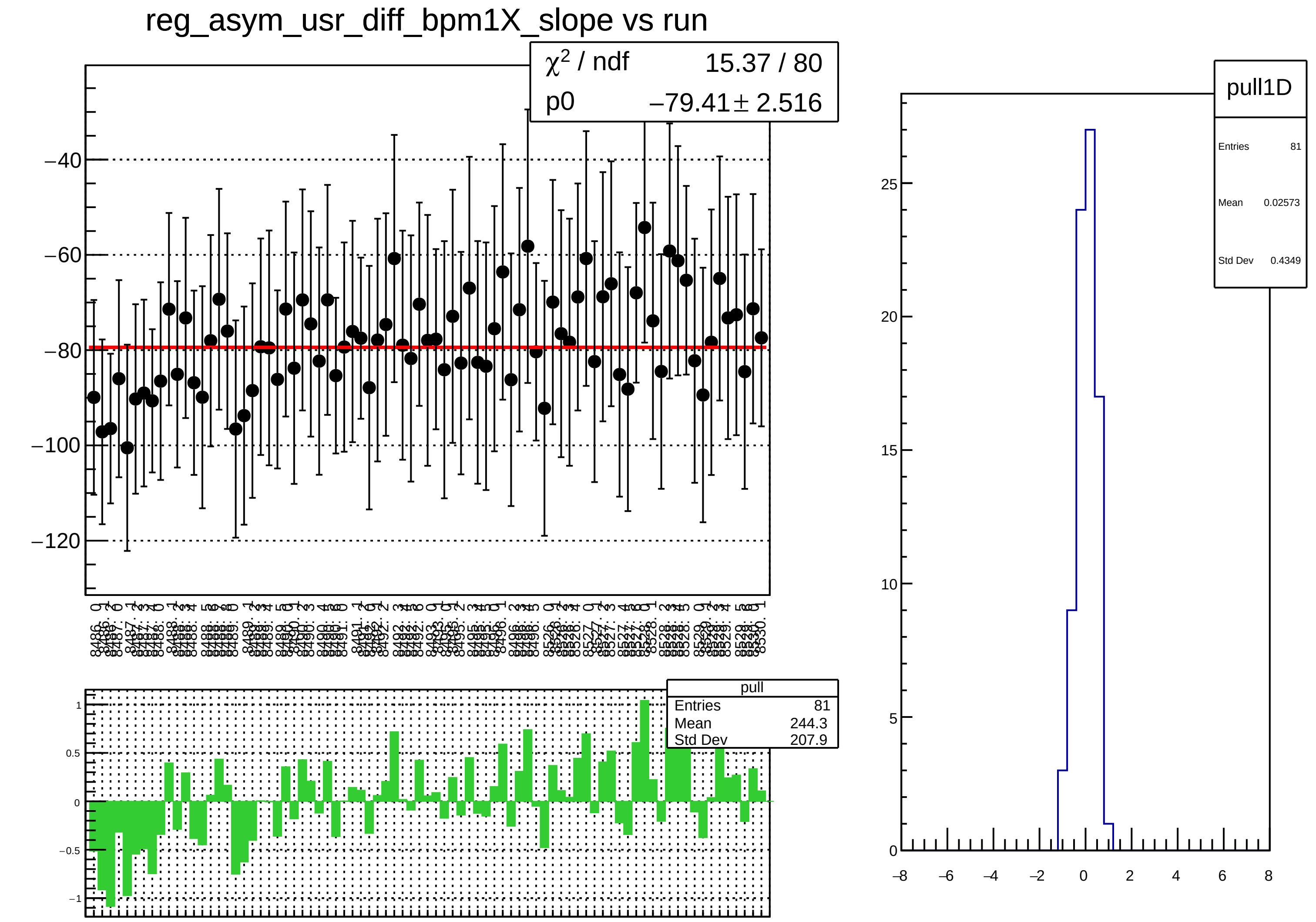
reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 36.86 / 80
p0 8.029 ± 2.161
pull
Entries 81
Mean 191.8
Std Dev 144
pull1D
Entries 81
Mean 0.003933
Std Dev 0.6746



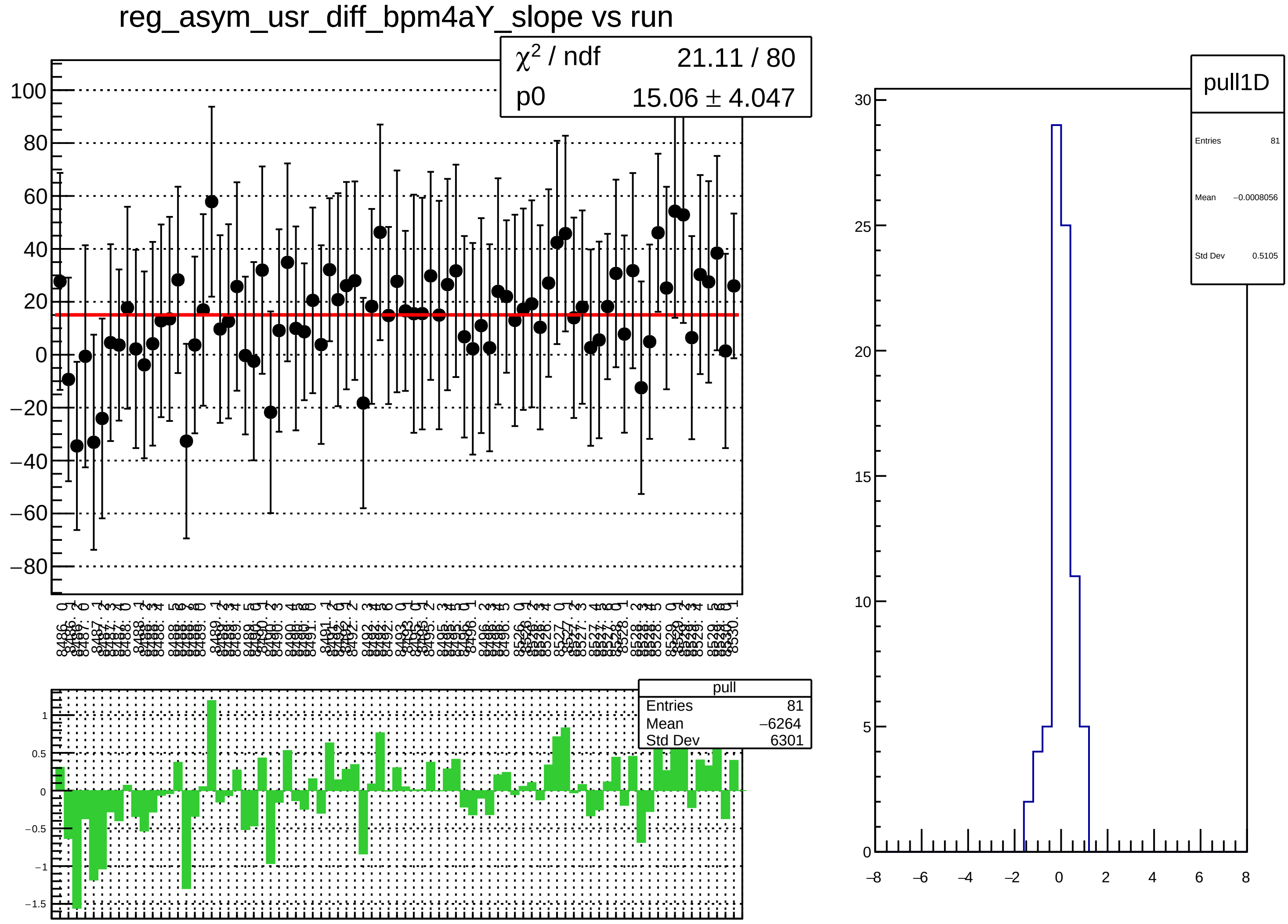
reg_asym_usl_diff_bpm4eX_slope vs run
χ2 / ndf 48.18 / 80
p0 −2.191 ± 1.456
pull
Entries 81
Mean −1933
Std Dev 1970
pull1D
Entries 81
Mean 0.002076
Std Dev 0.7712


reg_asym_usl_diff_bpm4eY_slope vs run
χ2 / ndf 38.08 / 80
p0 10.74 ± 2.288
pull
Entries 81
Mean 129.6
Std Dev 48.25
pull1D
Entries 81
Mean −0.004725
Std Dev 0.6856

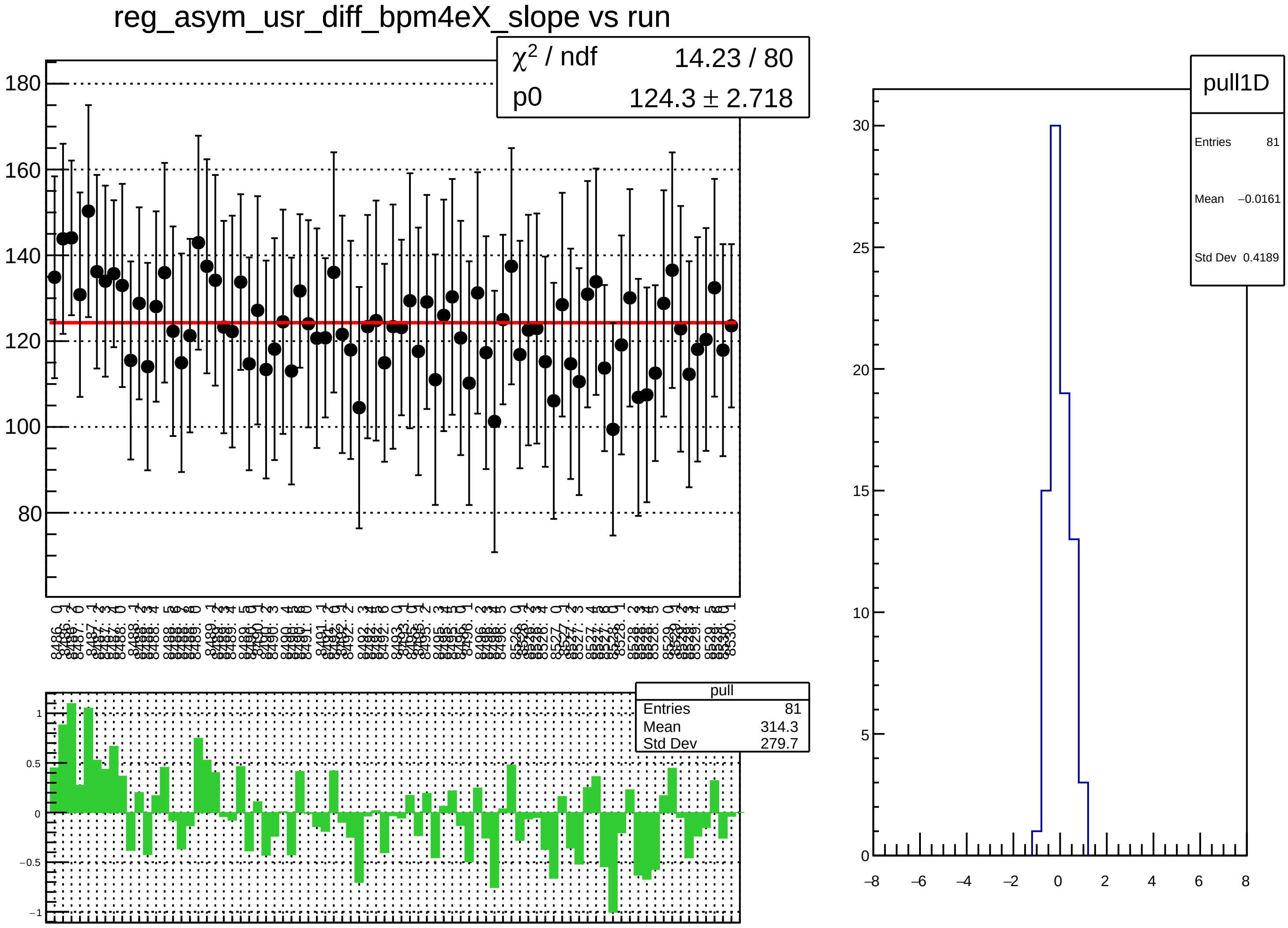

reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 42.6 / 80
p0 −41.11 ± 0.137
pull
Entries 81
Mean −543.6
Std Dev 581
pull1D
Entries 81
Mean 0.008269
Std Dev 0.7251



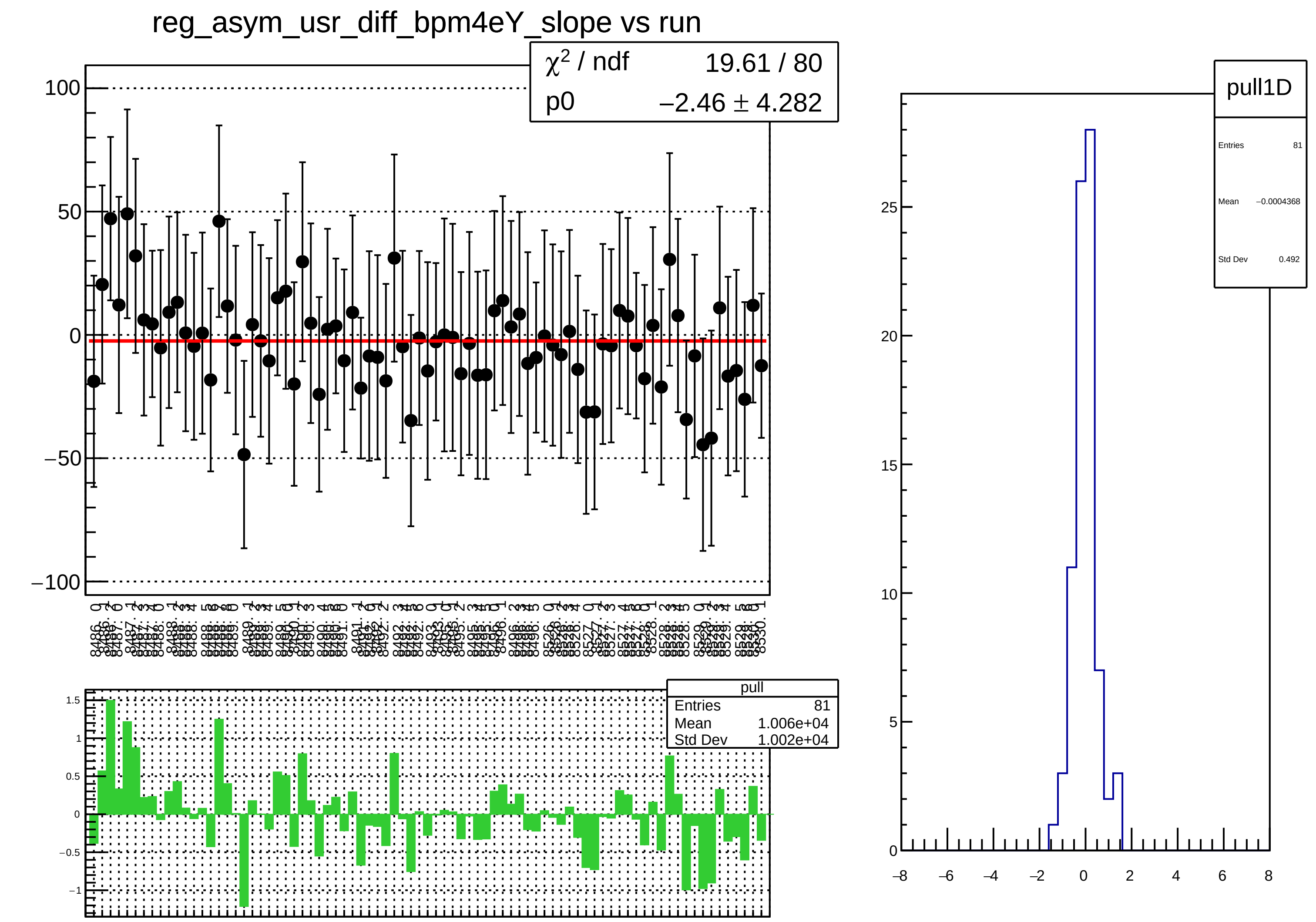
reg_asym_usr_diff_bpm1X_slope vs run
χ2 / ndf 15.37 / 80
p0 −79.41 ± 2.516
pull
Entries 81
Mean 244.3
Std Dev 207.9
pull1D
Entries 81
Mean 0.02573
Std Dev 0.4349

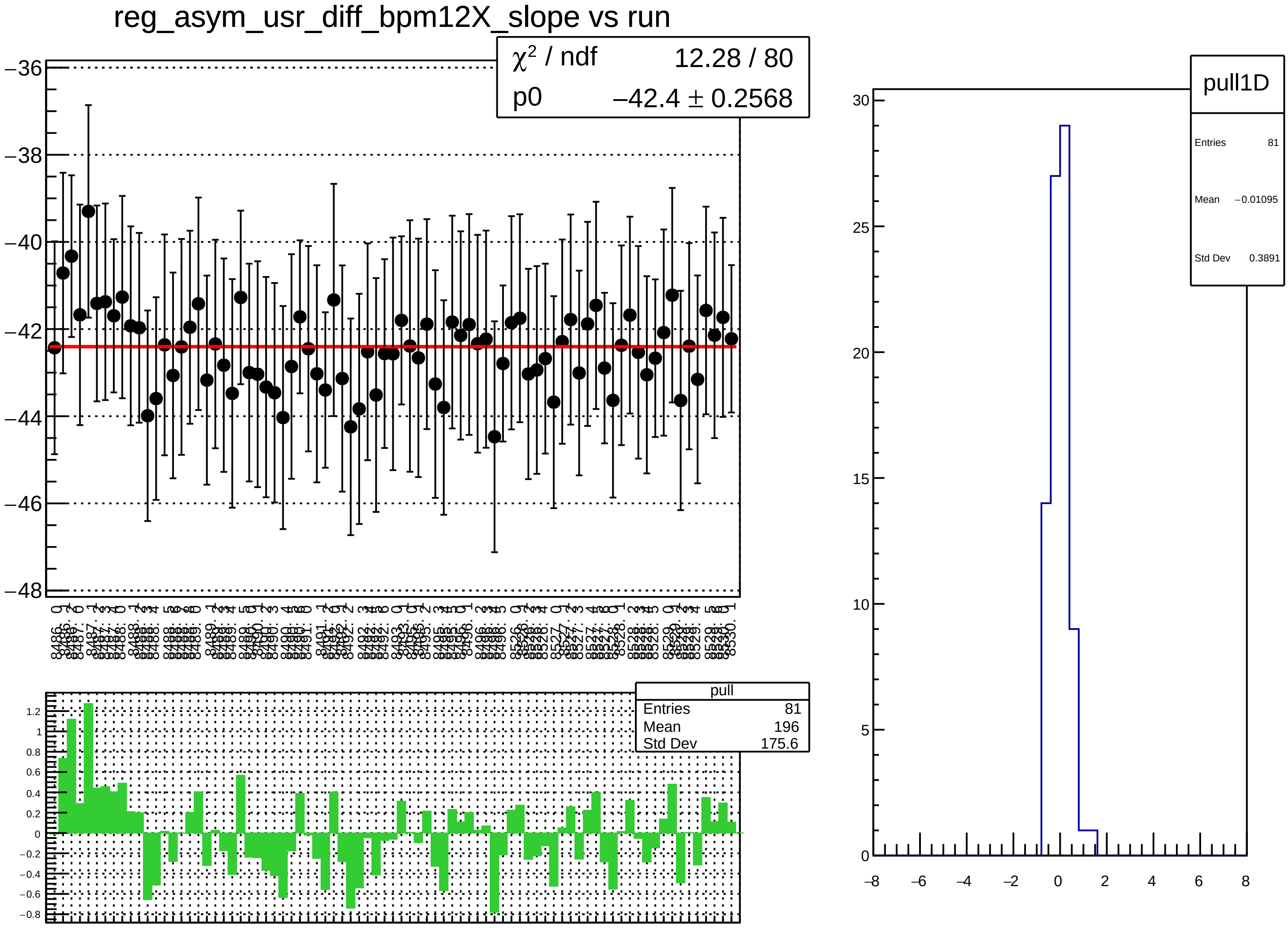


reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 21.11 / 80
p0 15.06 ± 4.047
pull
Entries 81
Mean −6264
Std Dev 6301
pull1D
Entries 81
Mean −0.0008056
Std Dev 0.5105

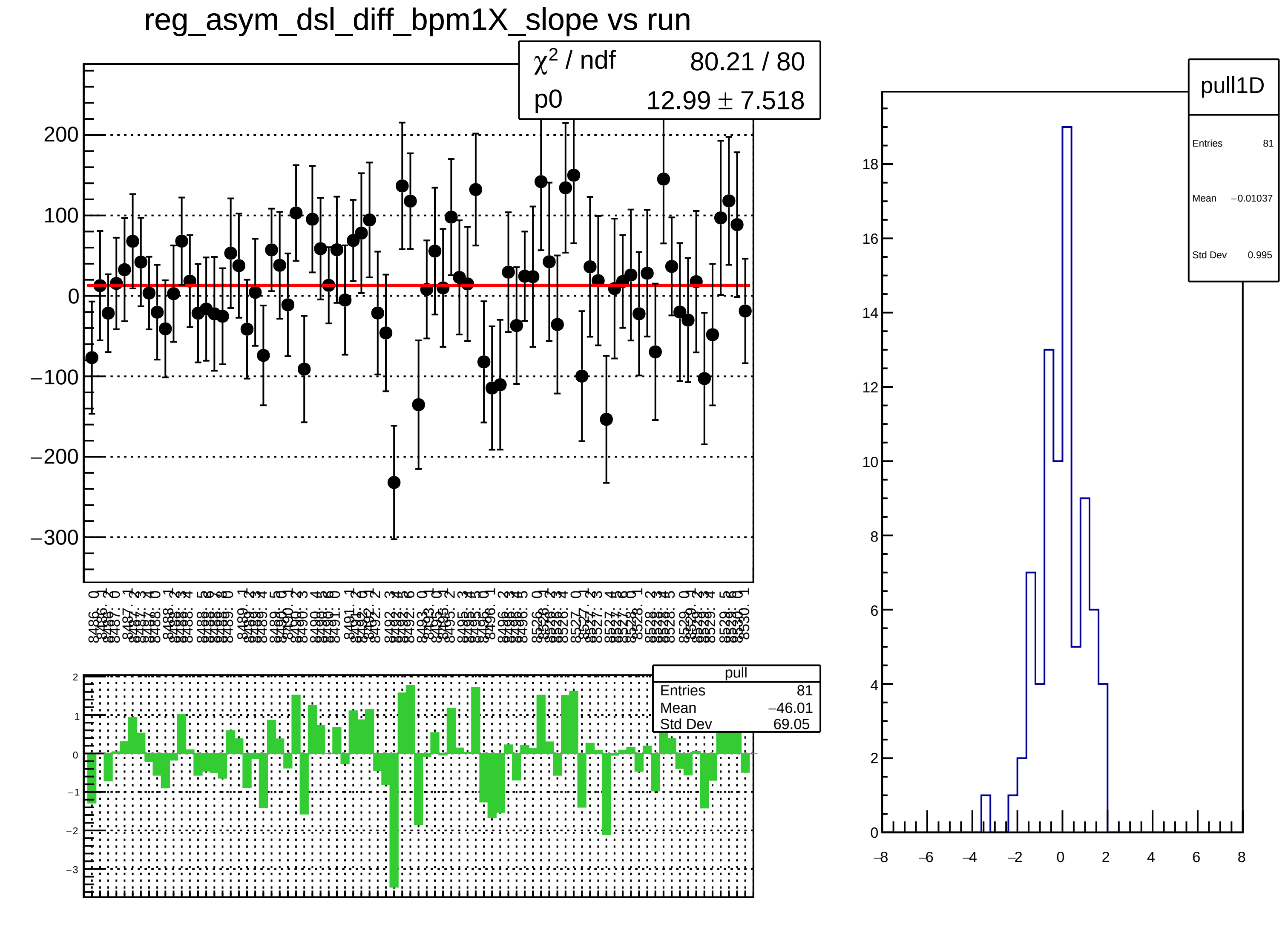


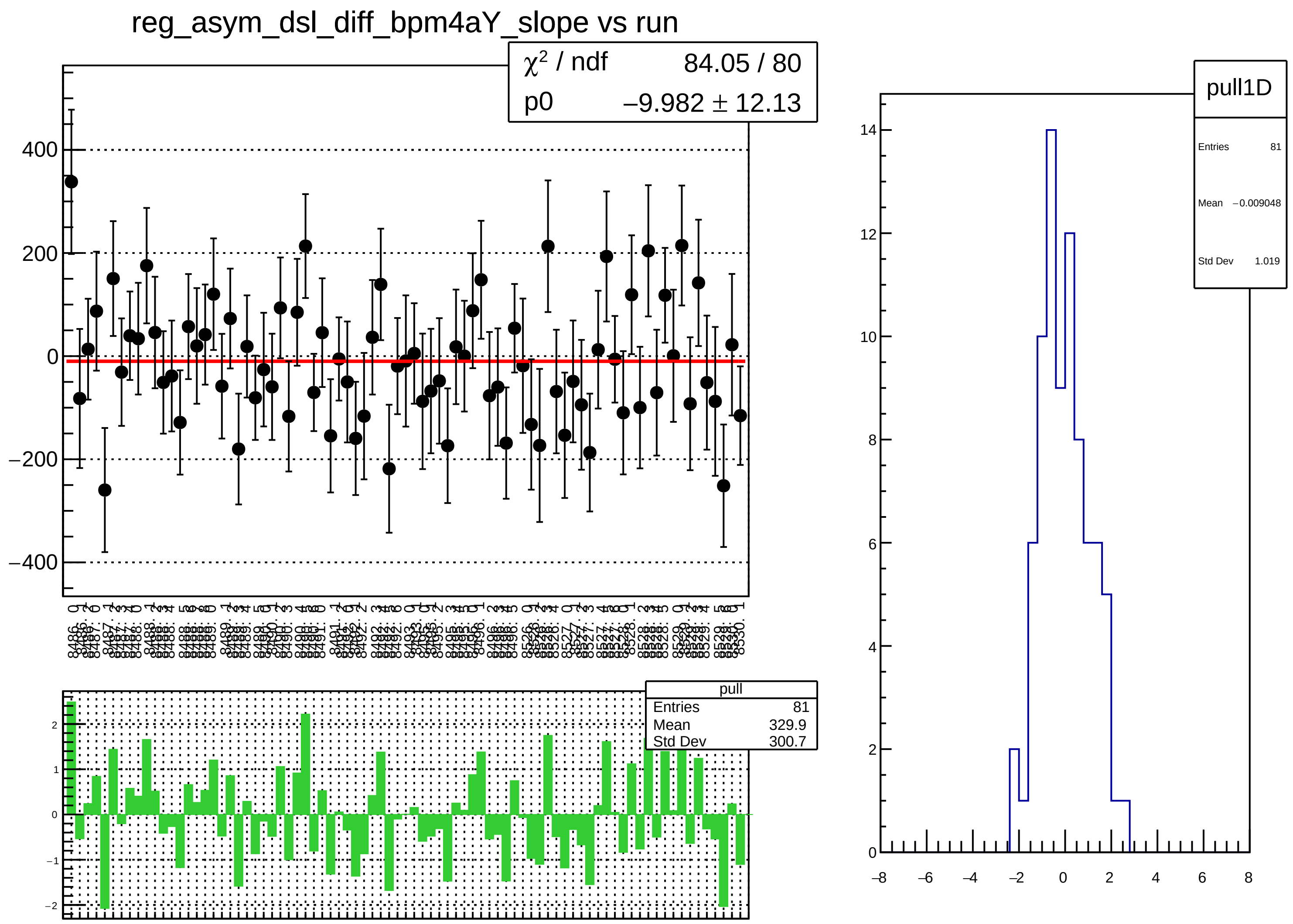
reg_asym_usr_diff_bpm4eX_slope vs run
χ2 / ndf 14.23 / 80
p0 124.3 ± 2.718
pull
Entries 81
Mean 314.3
Std Dev 279.7
pull1D
Entries 81
Mean −0.0161
Std Dev 0.4189

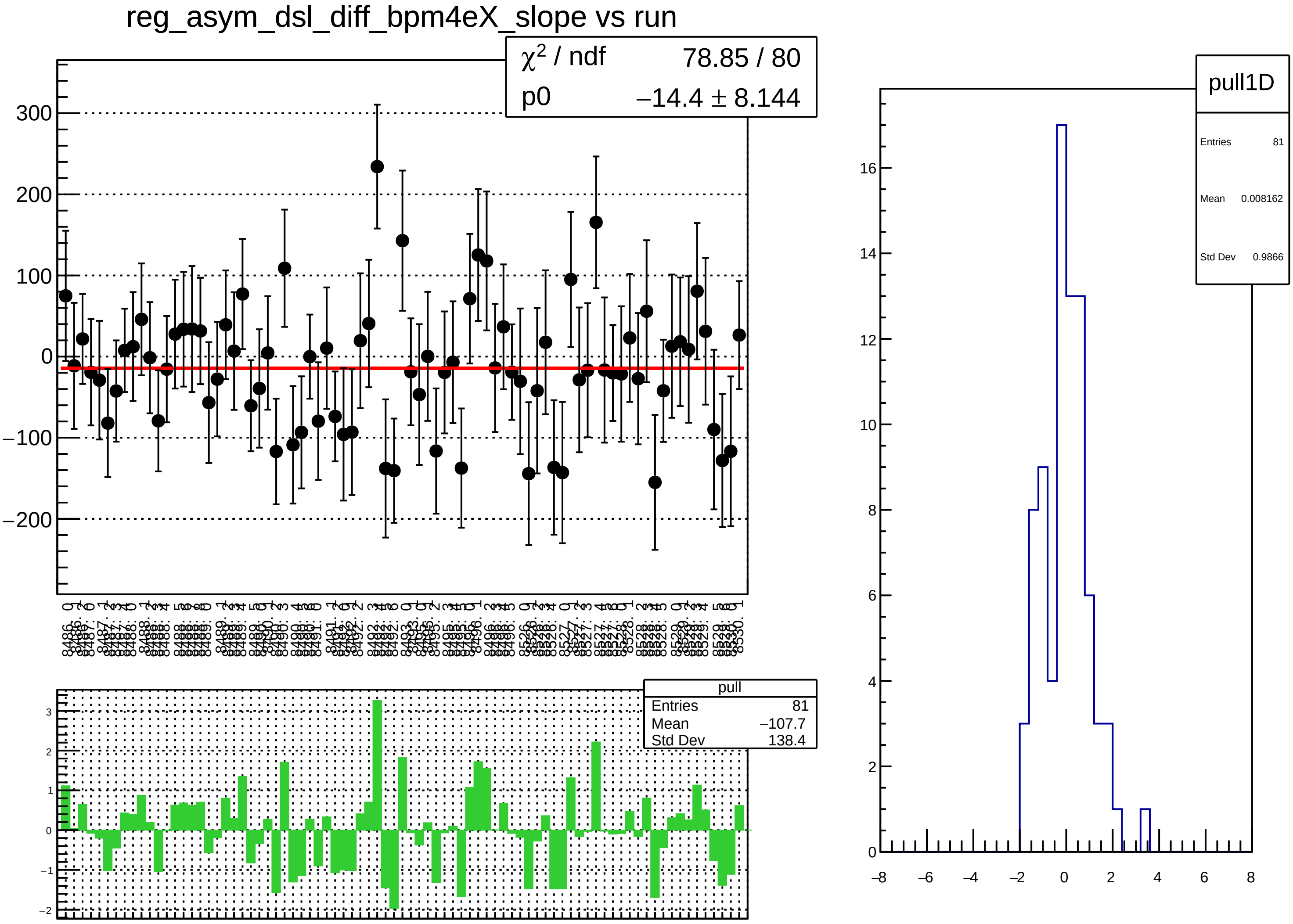

reg_asym_usr_diff_bpm4eY_slope vs run
χ2 / ndf 19.61 / 80
p0 −2.46 ± 4.282
pull
Entries 81
Mean 1.006e+04
Std Dev 1.002e+04
pull1D
Entries 81
Mean −0.0004368
Std Dev 0.492



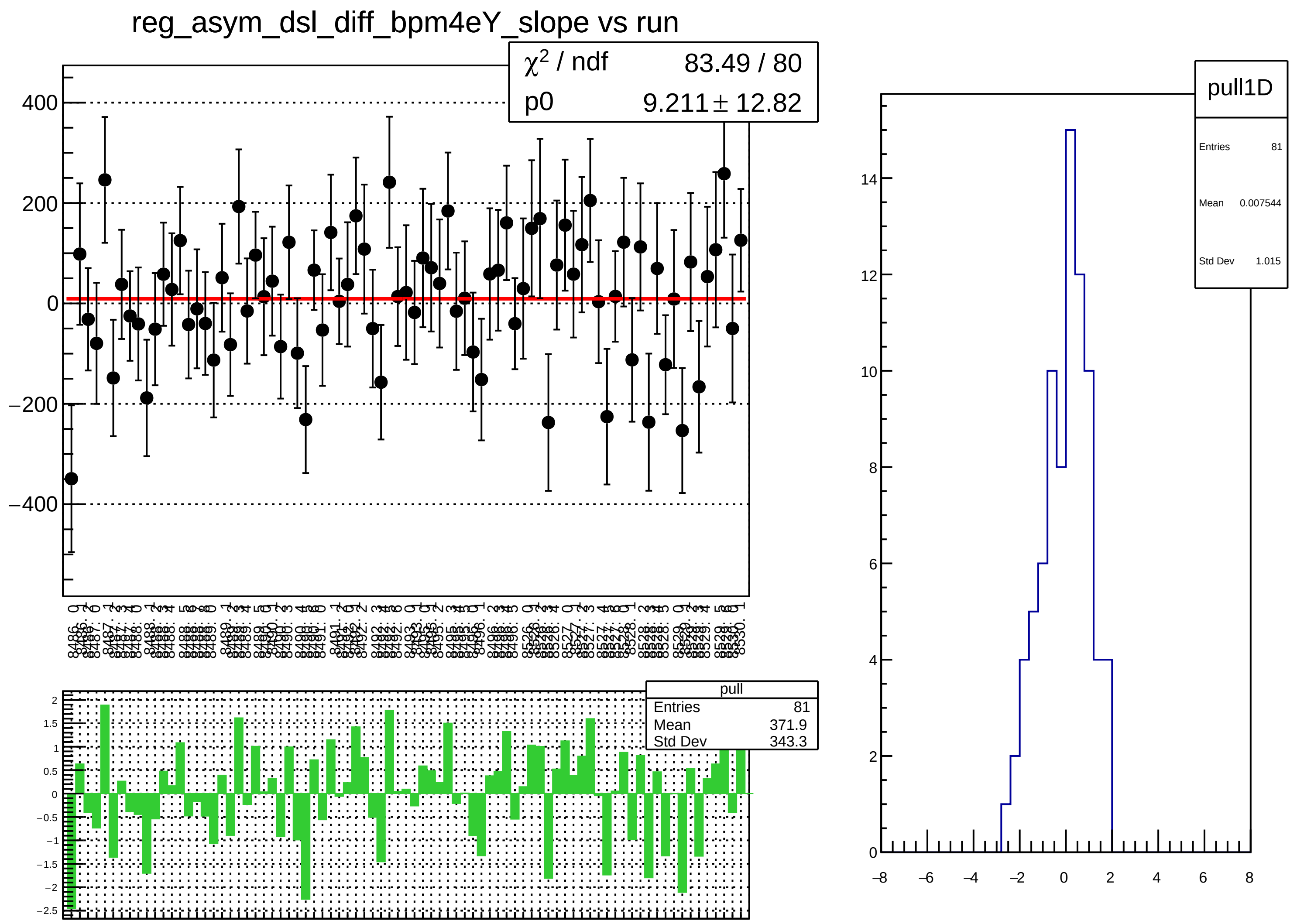
reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 12.28 / 80
p0 −42.4 ± 0.2568
pull
Entries 81
Mean 196
Std Dev 175.6
pull1D
Entries 81
Mean −0.01095
Std Dev 0.3891


reg_asym_dsl_diff_bpm1X_slope vs run
χ2 / ndf 80.21 / 80
p0 12.99 ± 7.518
pull
Entries 81
Mean −46.01
Std Dev 69.05
pull1D
Entries 81
Mean −0.01037
Std Dev 0.995

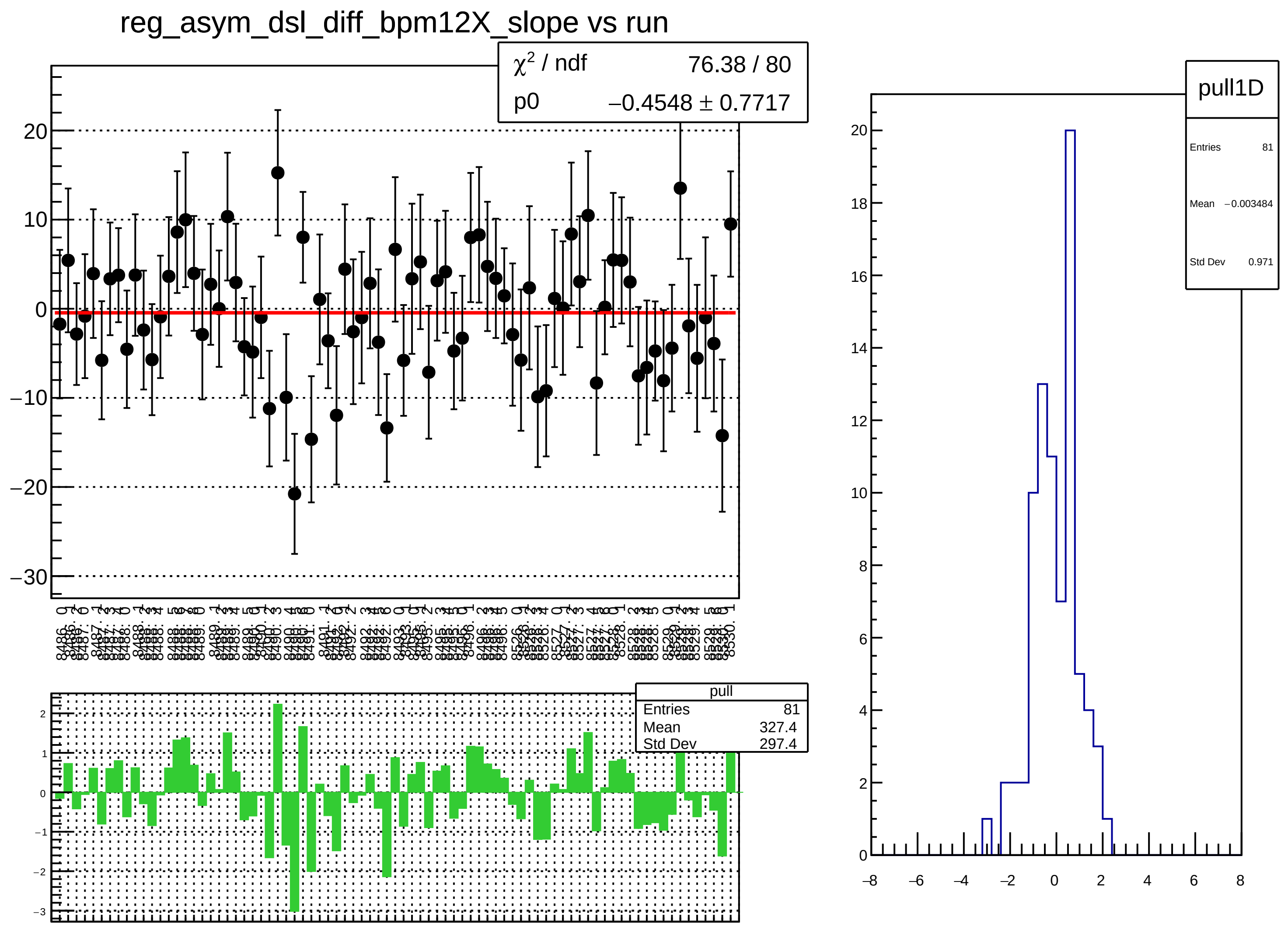

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 84.05 / 80
p0 −9.982 ± 12.13
pull
Entries 81
Mean 329.9
Std Dev 300.7
pull1D
Entries 81
Mean −0.009048
Std Dev 1.019

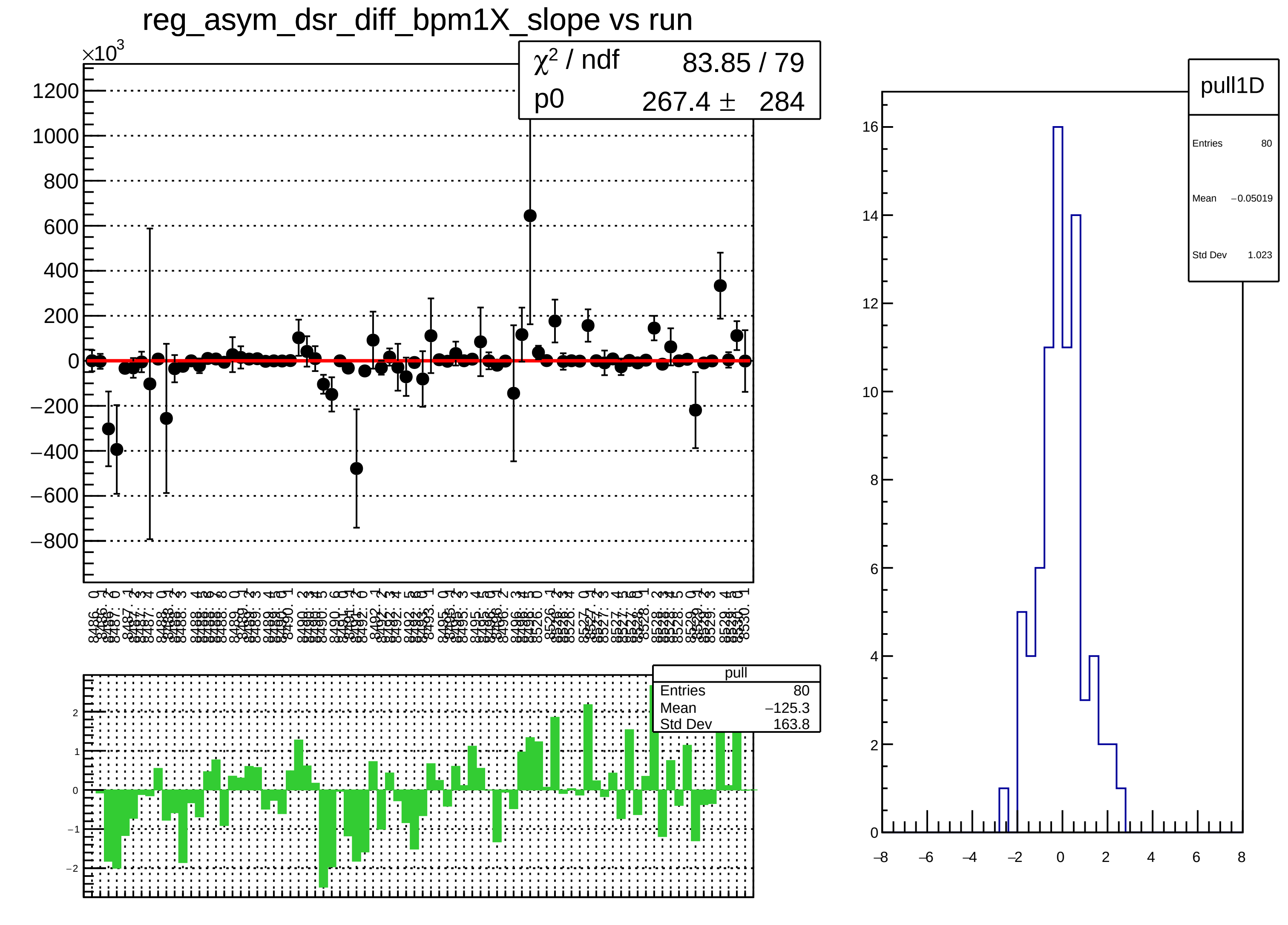


reg_asym_dsl_diff_bpm4eX_slope vs run
χ2 / ndf 78.85 / 80
p0 −14.4 ± 8.144
pull
Entries 81
Mean −107.7
Std Dev 138.4
pull1D
Entries 81
Mean 0.008162
Std Dev 0.9866

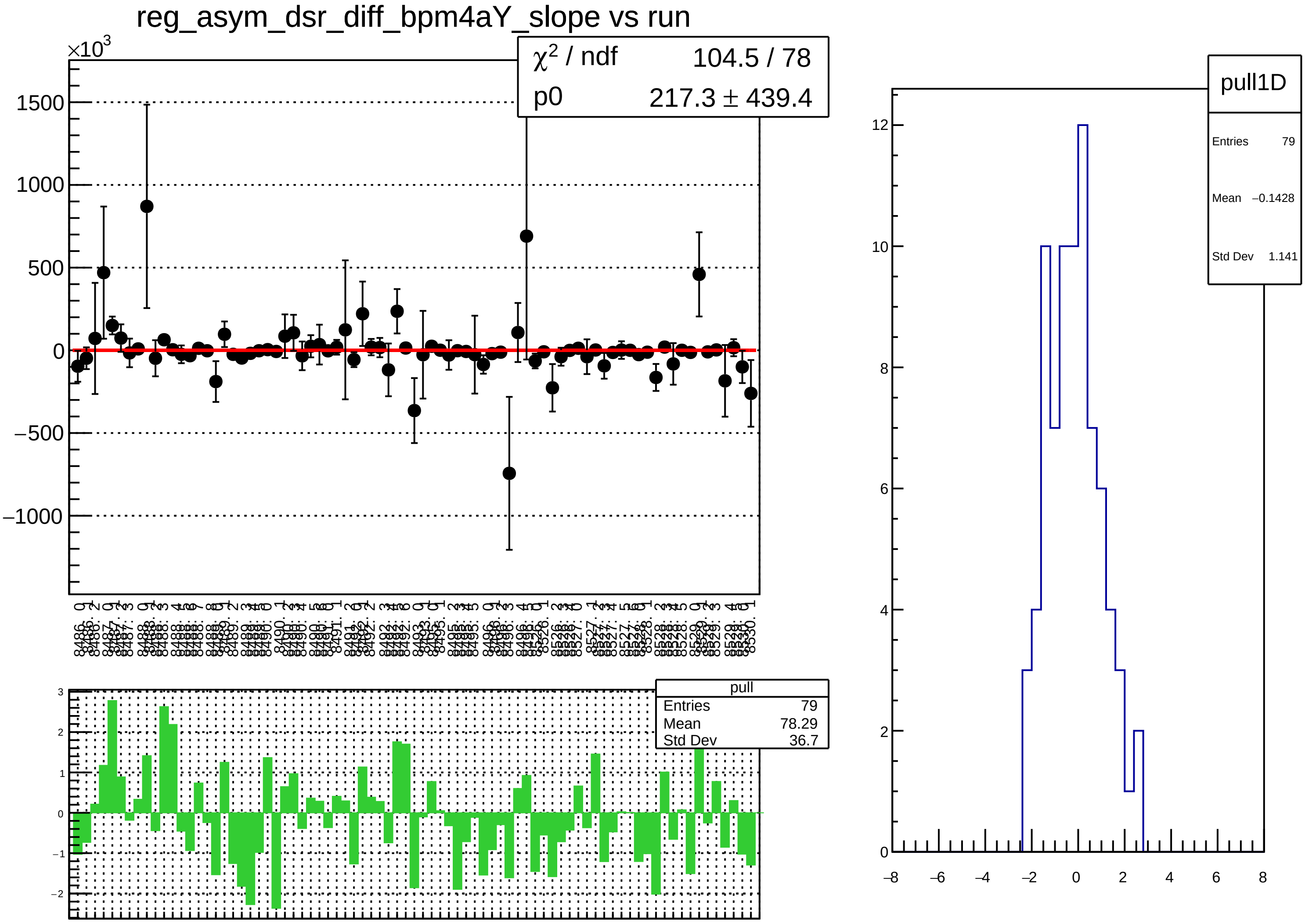


reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 83.49 / 80
p0 9.211 ± 12.82
pull
Entries 81
Mean 371.9
Std Dev 343.3
pull1D
Entries 81
Mean 0.007544
Std Dev 1.015

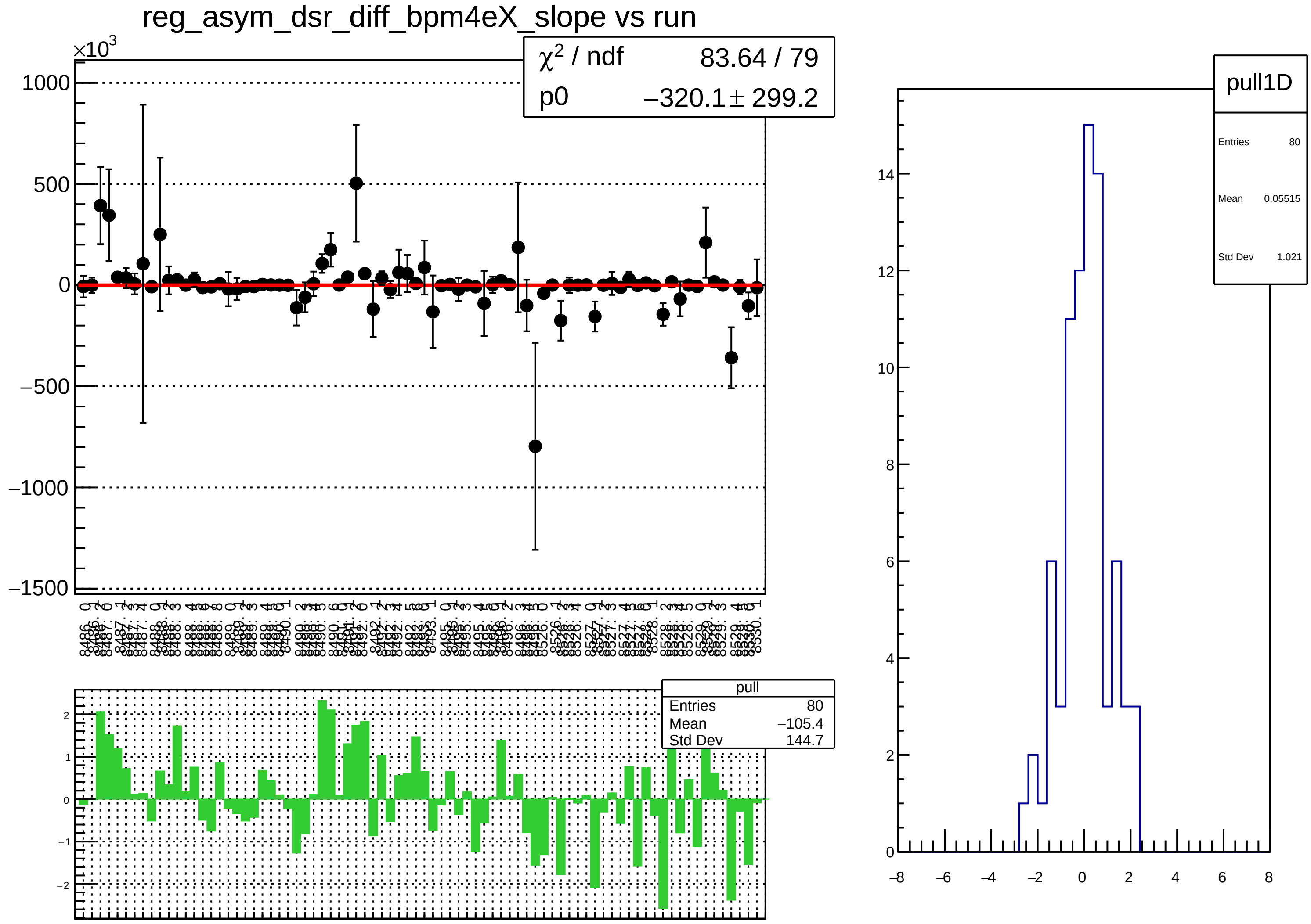

reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 76.38 / 80
p0 −0.4548 ± 0.7717
pull
Entries 81
Mean 327.4
Std Dev 297.4
pull1D
Entries 81
Mean −0.003484
Std Dev 0.971



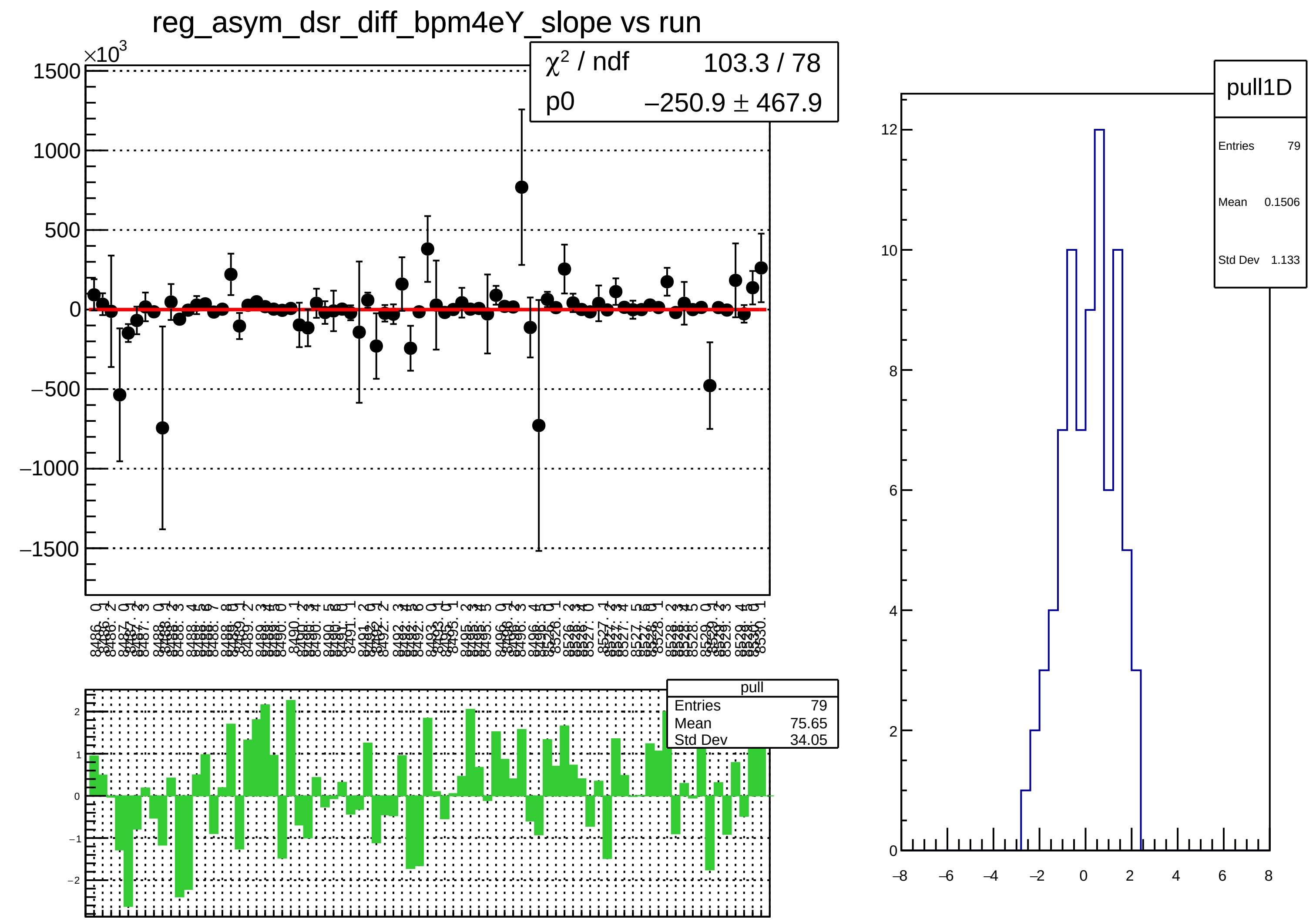
reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 83.85 / 79
p0 267.4 ± 284
pull
Entries 80
Mean −125.3
Std Dev 163.8
pull1D
Entries 80
Mean −0.05019
Std Dev 1.023

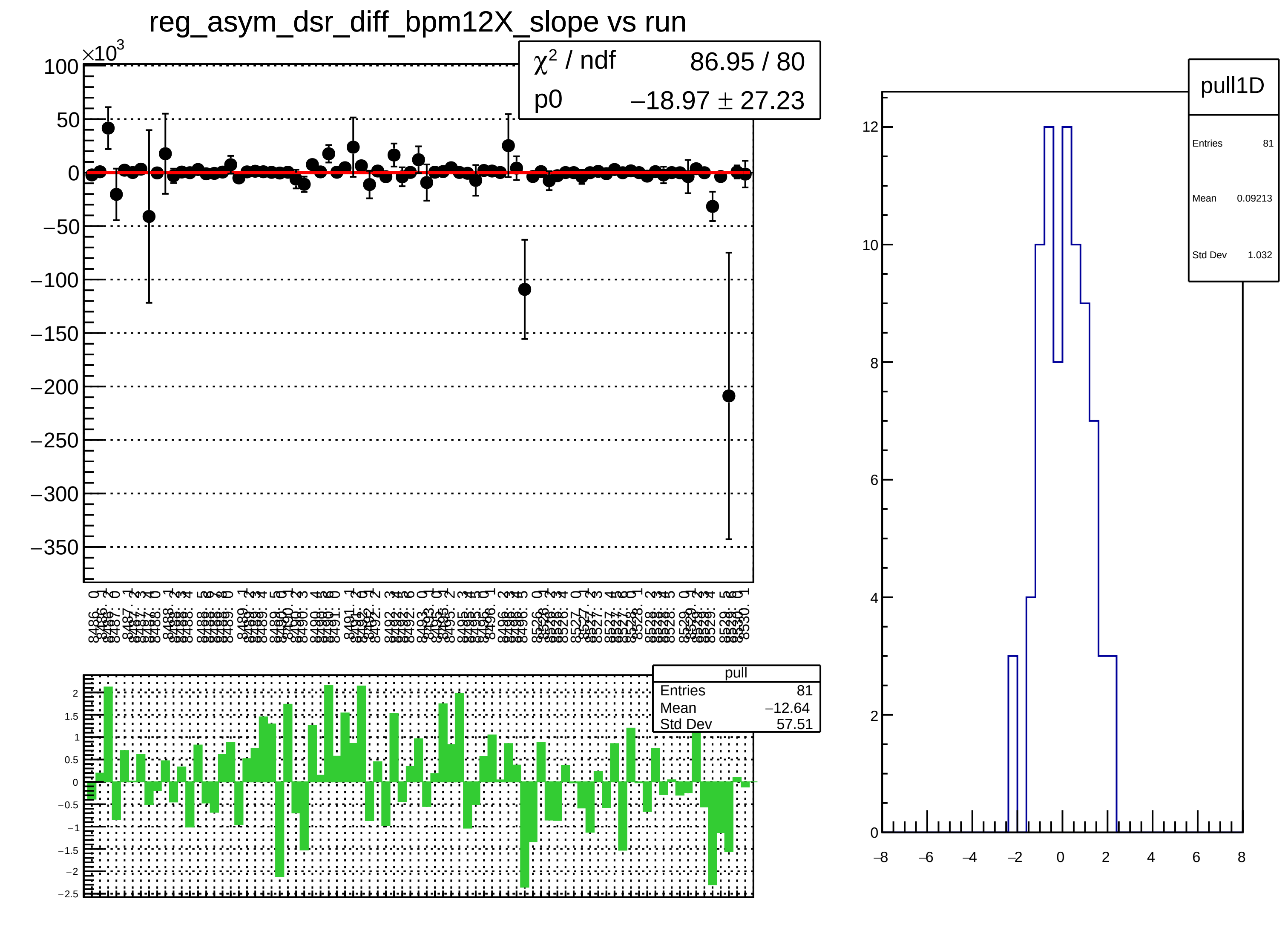


reg_asym_dsr_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 104.5 / 78
p0 217.3 ± 439.4
pull
Entries 79
Mean 78.29
Std Dev 36.7
pull1D
Entries 79
Mean −0.1428
Std Dev 1.141

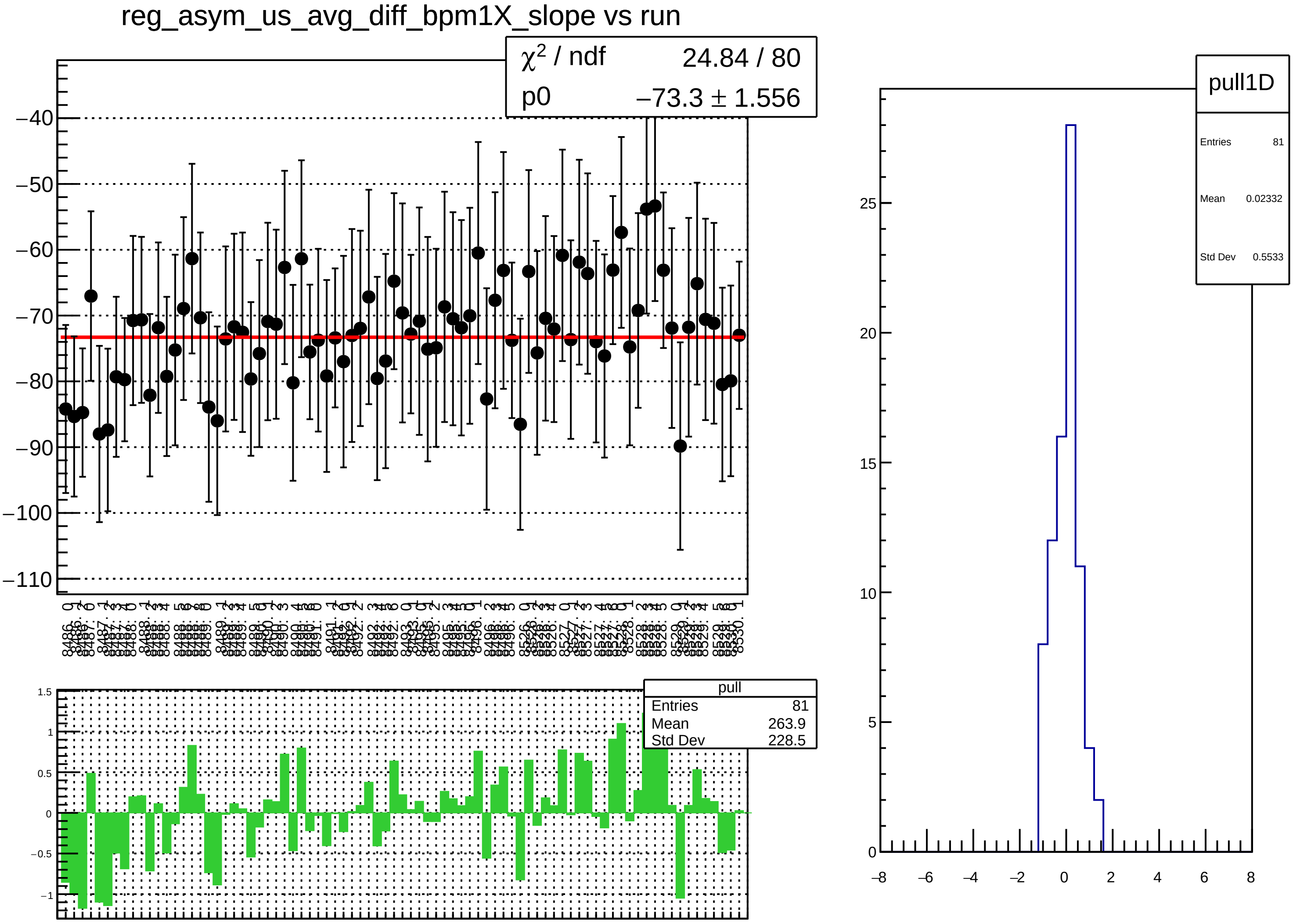


reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ2 / ndf 83.64 / 79
p0 −320.1 ± 299.2
pull
Entries 80
Mean −105.4
Std Dev 144.7
pull1D
Entries 80
Mean 0.05515
Std Dev 1.021

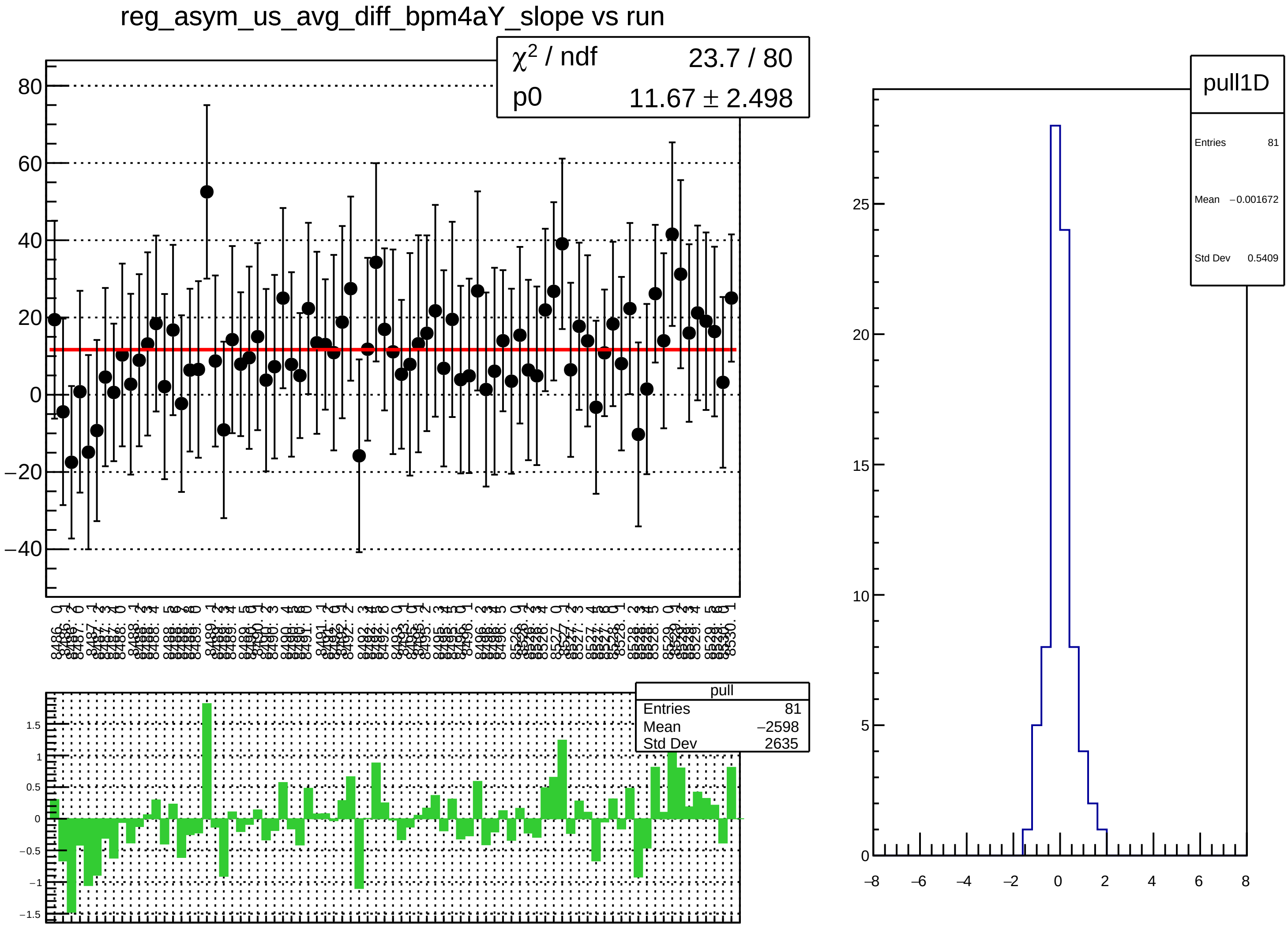

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 103.3 / 78
p0 −250.9 ± 467.9
pull
Entries 79
Mean 75.65
Std Dev 34.05
pull1D
Entries 79
Mean 0.1506
Std Dev 1.133



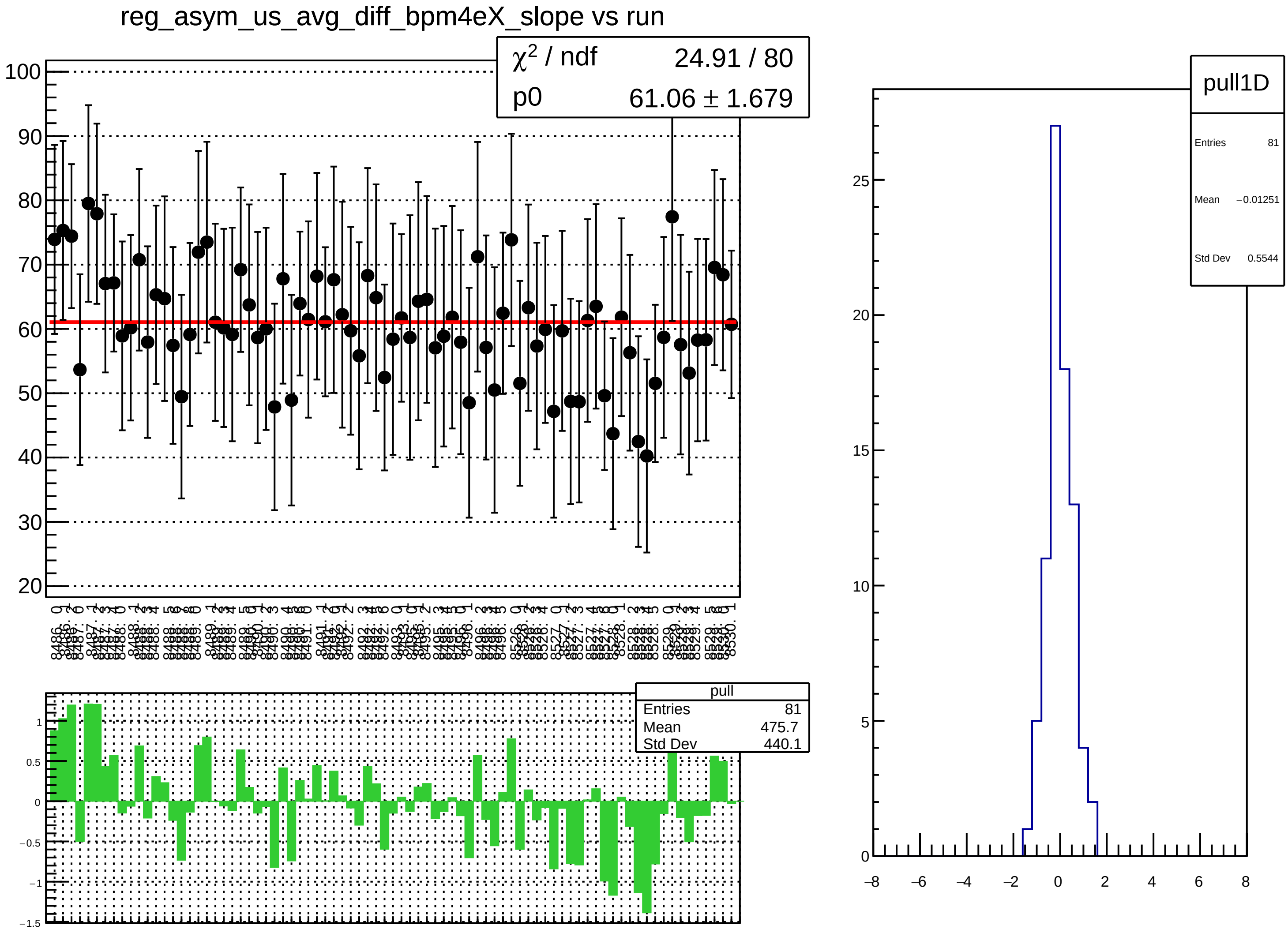
reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ^2 / ndf 86.95 / 80
p0 −18.97 ± 27.23
pull
Entries 81
Mean −12.64
Std Dev 57.51
pull1D
Entries 81
Mean 0.09213
Std Dev 1.032



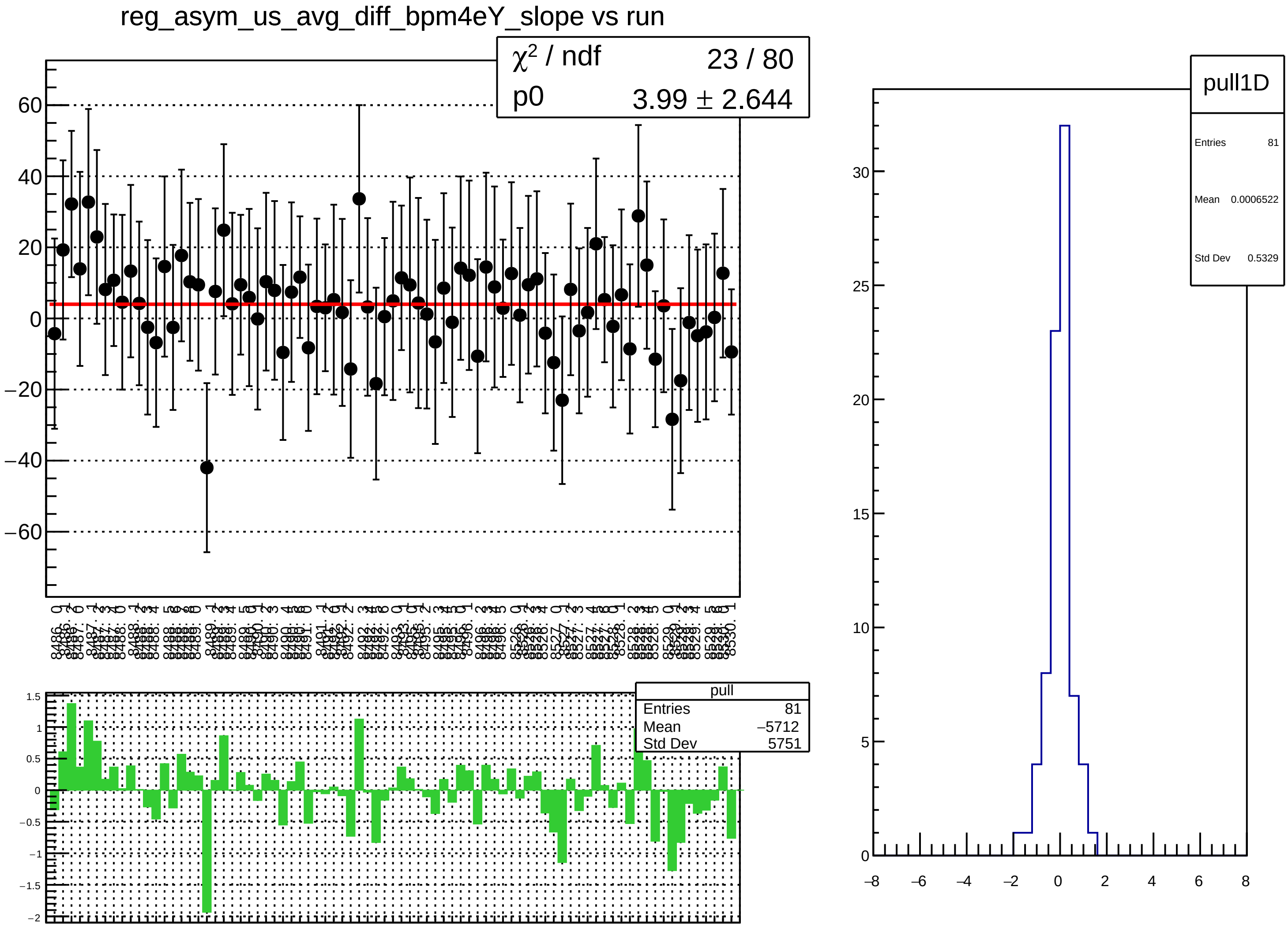
reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.84 / 80
p0 −73.3 ± 1.556
pull
Entries 81
Mean 263.9
Std Dev 228.5
pull1D
Entries 81
Mean 0.02332
Std Dev 0.5533



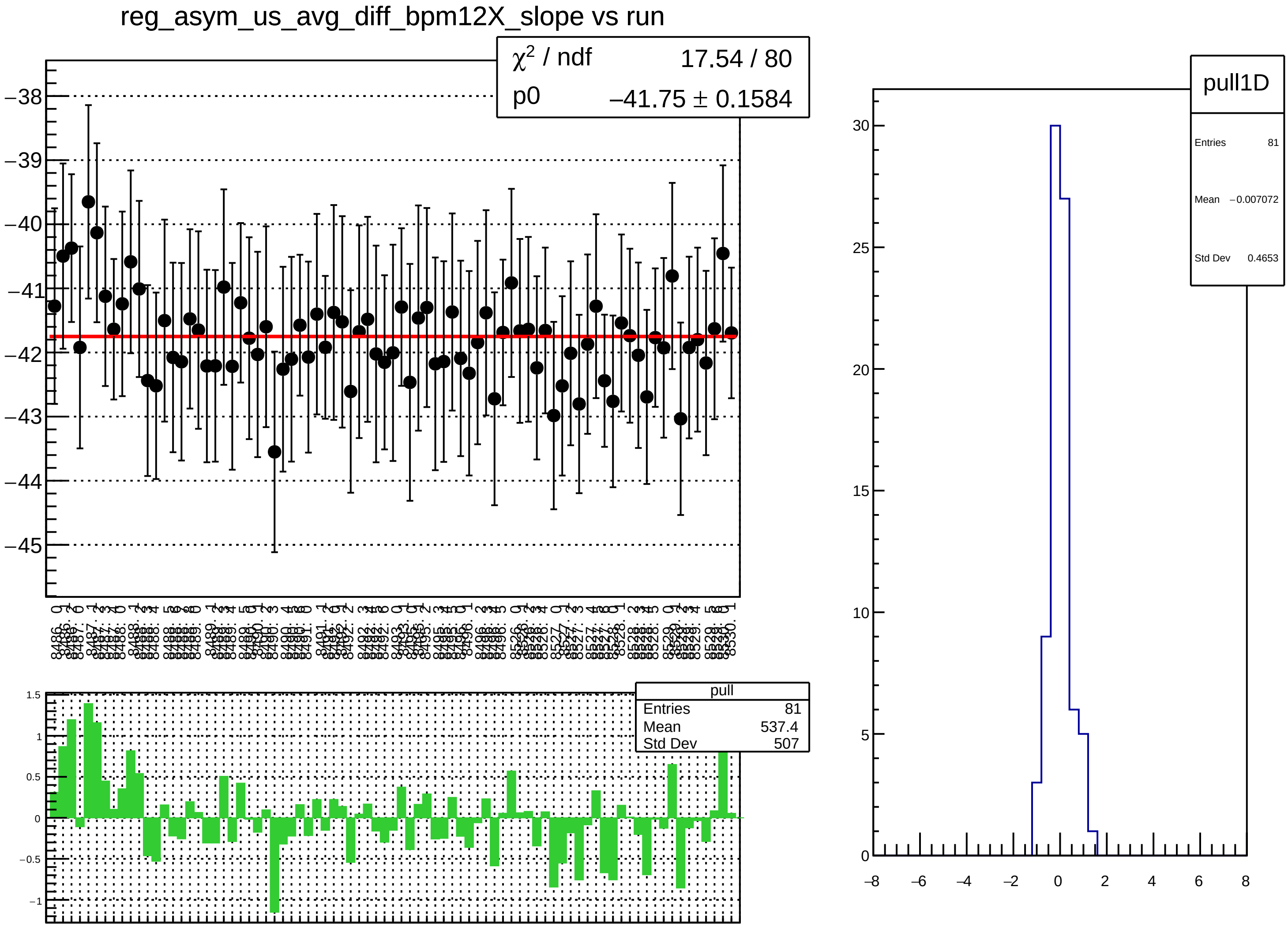
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.7 / 80
p0 11.67 ± 2.498
pull
Entries 81
Mean −2598
Std Dev 2635
pull1D
Entries 81
Mean −0.001672
Std Dev 0.5409



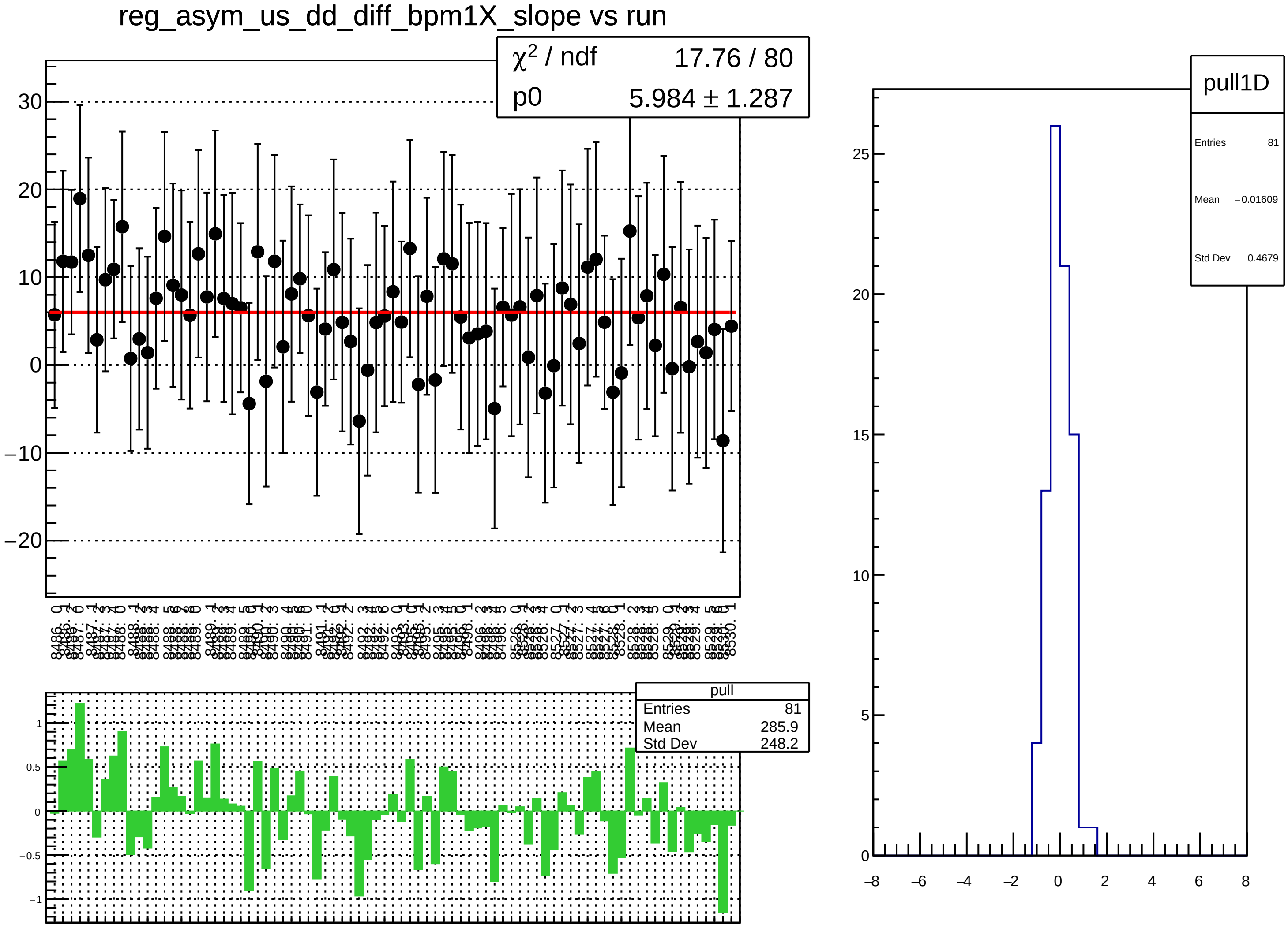
reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 24.91 / 80
p0 61.06 ± 1.679
pull
Entries 81
Mean 475.7
Std Dev 440.1
pull1D
Entries 81
Mean −0.01251
Std Dev 0.5544



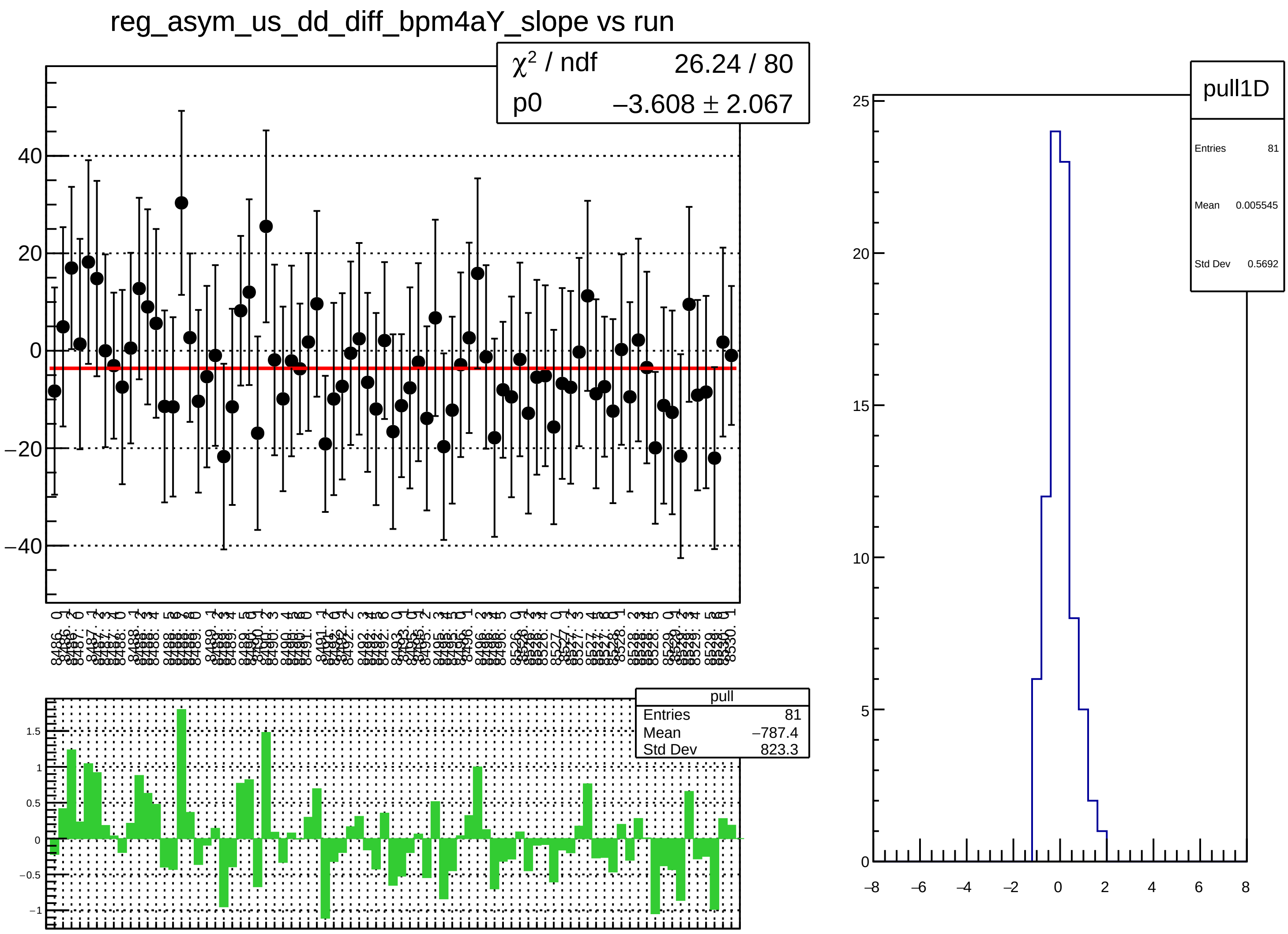
reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 23 / 80
p0 3.99 ± 2.644
pull
Entries 81
Mean −5712
Std Dev 5751
pull1D
Entries 81
Mean 0.0006522
Std Dev 0.5329



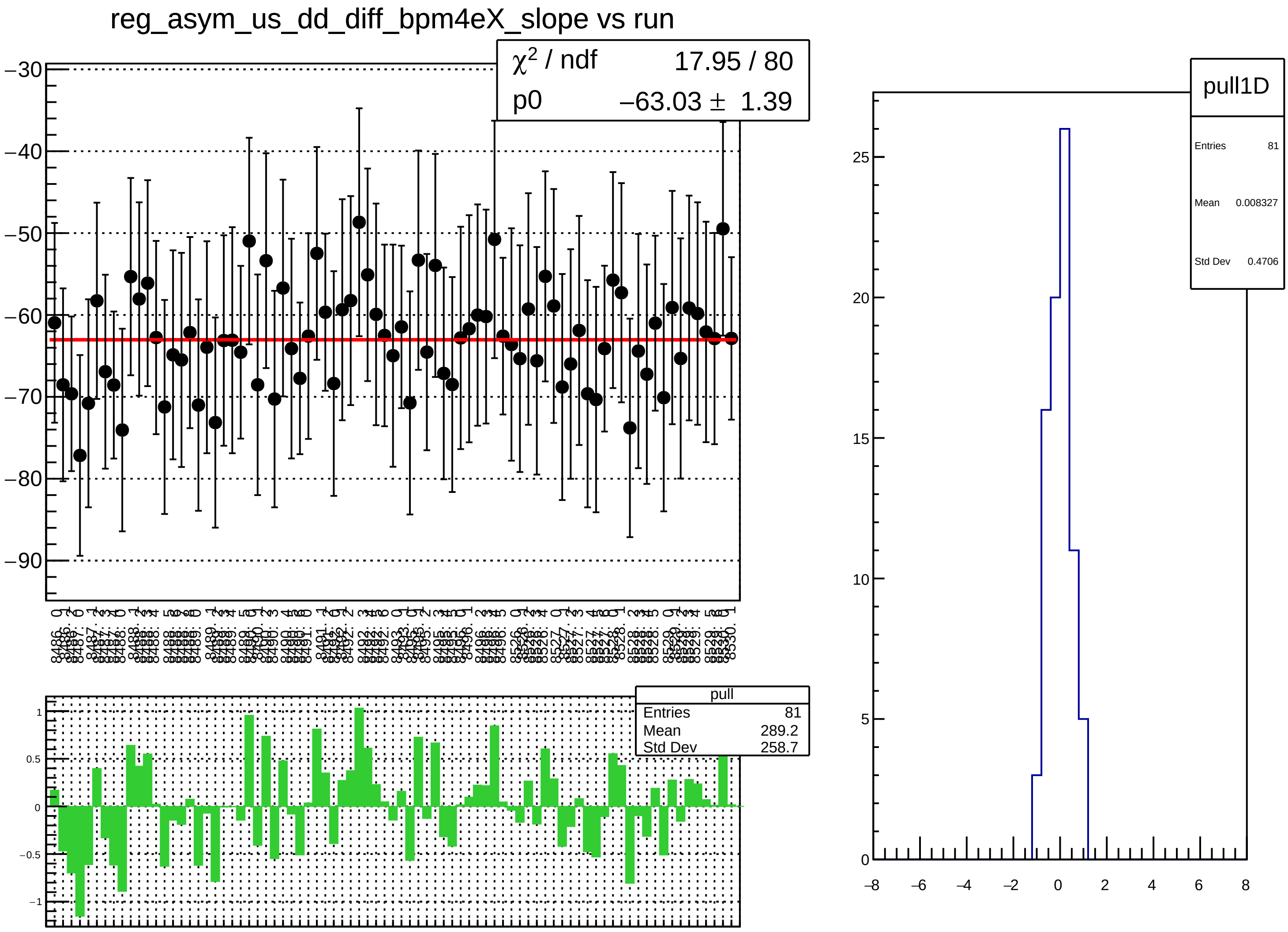
reg_asym_us_avg_diff_bpm12X_slope vs run
χ2 / ndf 17.54 / 80
p0 −41.75 ± 0.1584
pull
Entries 81
Mean 537.4
Std Dev 507
pull1D
Entries 81
Mean −0.007072
Std Dev 0.4653



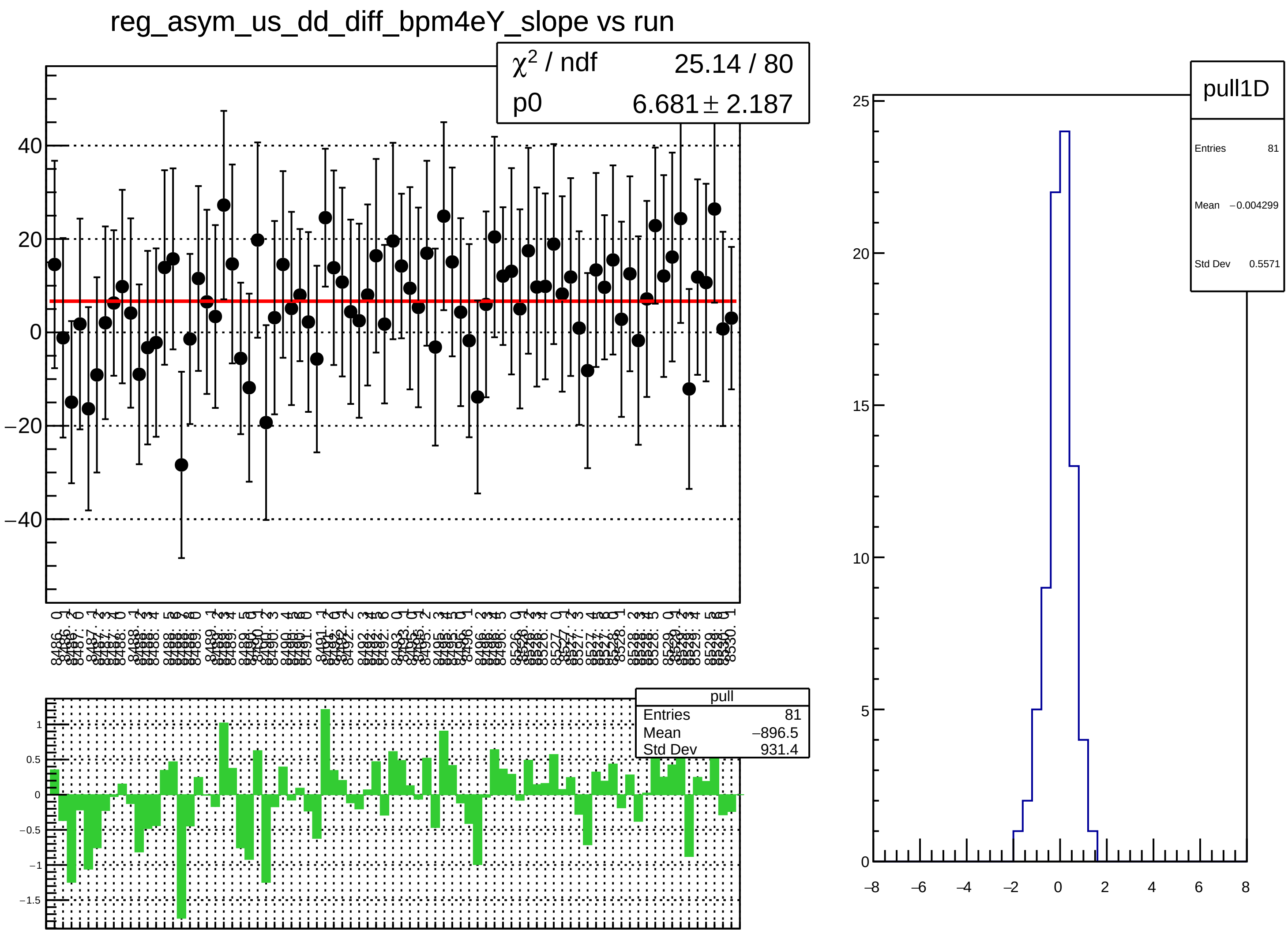
reg_asym_us_dd_diff_bpm1X_slope vs run
χ2 / ndf 17.76 / 80
p0 5.984 ± 1.287
pull
Entries 81
Mean 285.9
Std Dev 248.2
pull1D
Entries 81
Mean −0.01609
Std Dev 0.4679



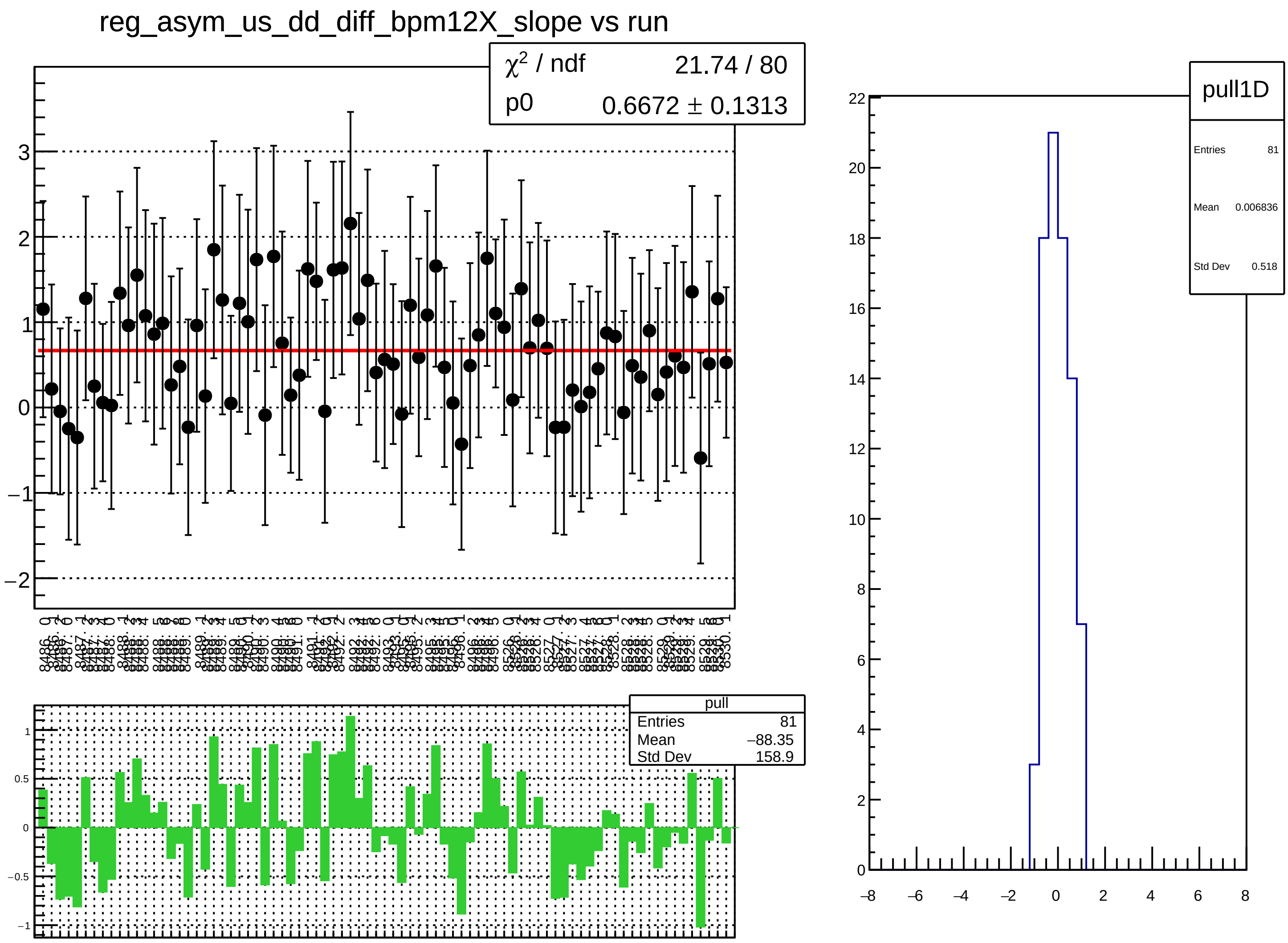
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ2 / ndf 26.24 / 80
p0 −3.608 ± 2.067
pull
Entries 81
Mean −787.4
Std Dev 823.3
pull1D
Entries 81
Mean 0.005545
Std Dev 0.5692



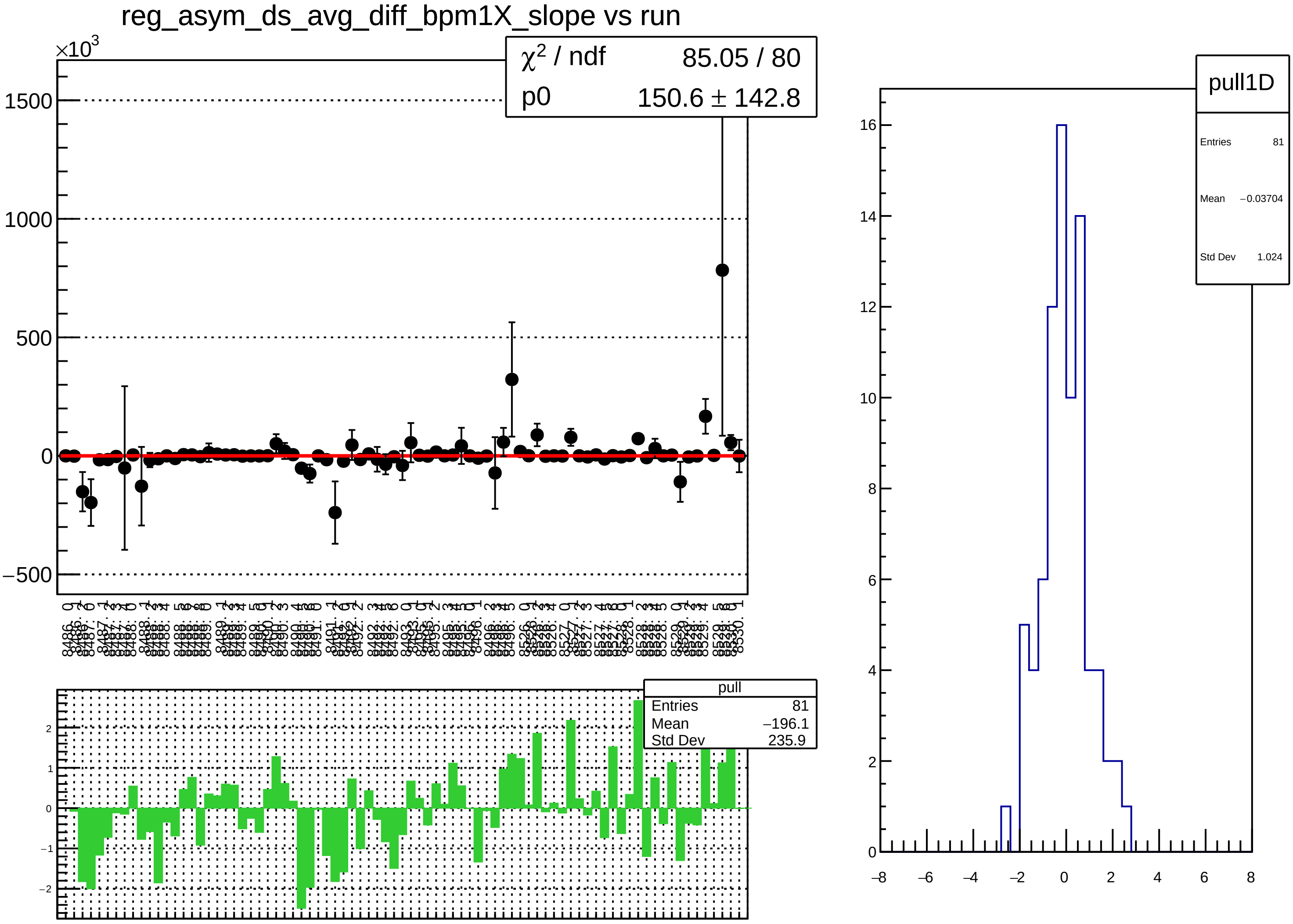
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 17.95 / 80
p0 −63.03 ± 1.39
pull
Entries 81
Mean 289.2
Std Dev 258.7
pull1D
Entries 81
Mean 0.008327
Std Dev 0.4706



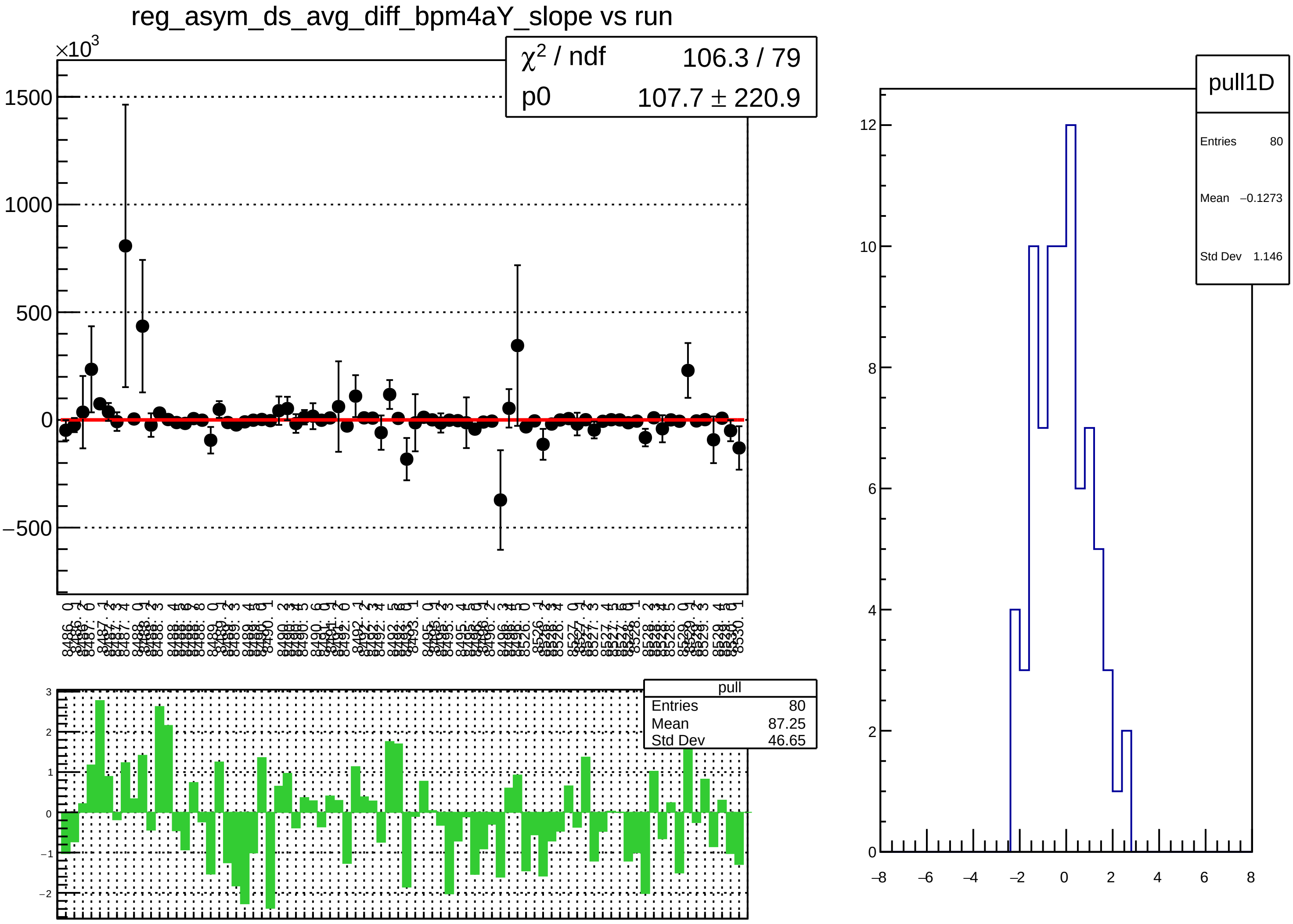
reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 25.14 / 80
p0 6.681 ± 2.187
pull
Entries 81
Mean −896.5
Std Dev 931.4
pull1D
Entries 81
Mean −0.004299
Std Dev 0.5571



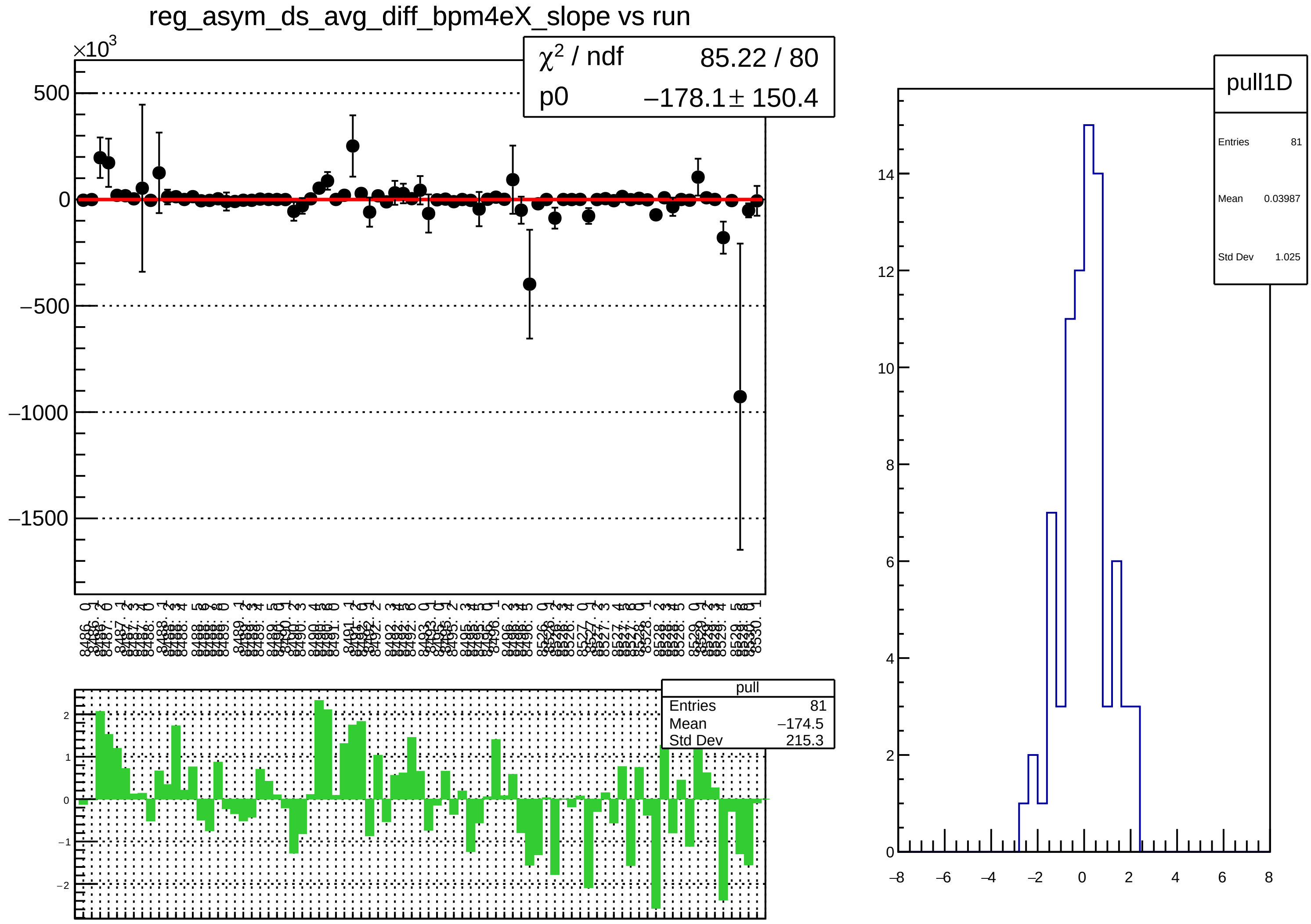
reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 21.74 / 80
p0 0.6672 ± 0.1313
pull
Entries 81
Mean −88.35
Std Dev 158.9
pull1D
Entries 81
Mean 0.006836
Std Dev 0.518



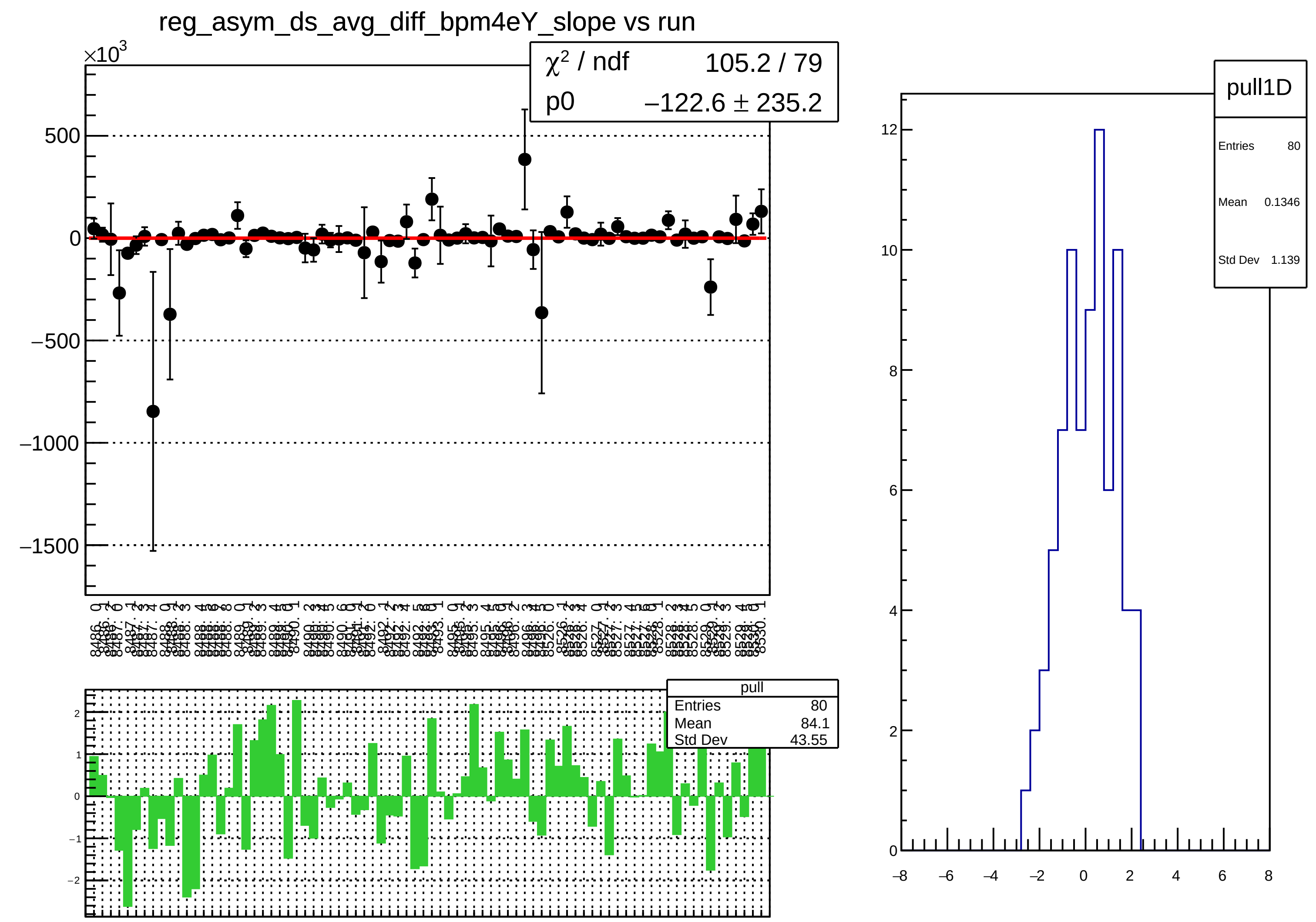
reg_asym_ds_avg_diff_bpm1X_slope vs run
$\times10^3$
χ^2 / ndf 85.05 / 80
p0 150.6 ± 142.8
1500
1000
500
0
−500
pull
Entries 81
Mean −196.1
Std Dev 235.9
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.03704
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

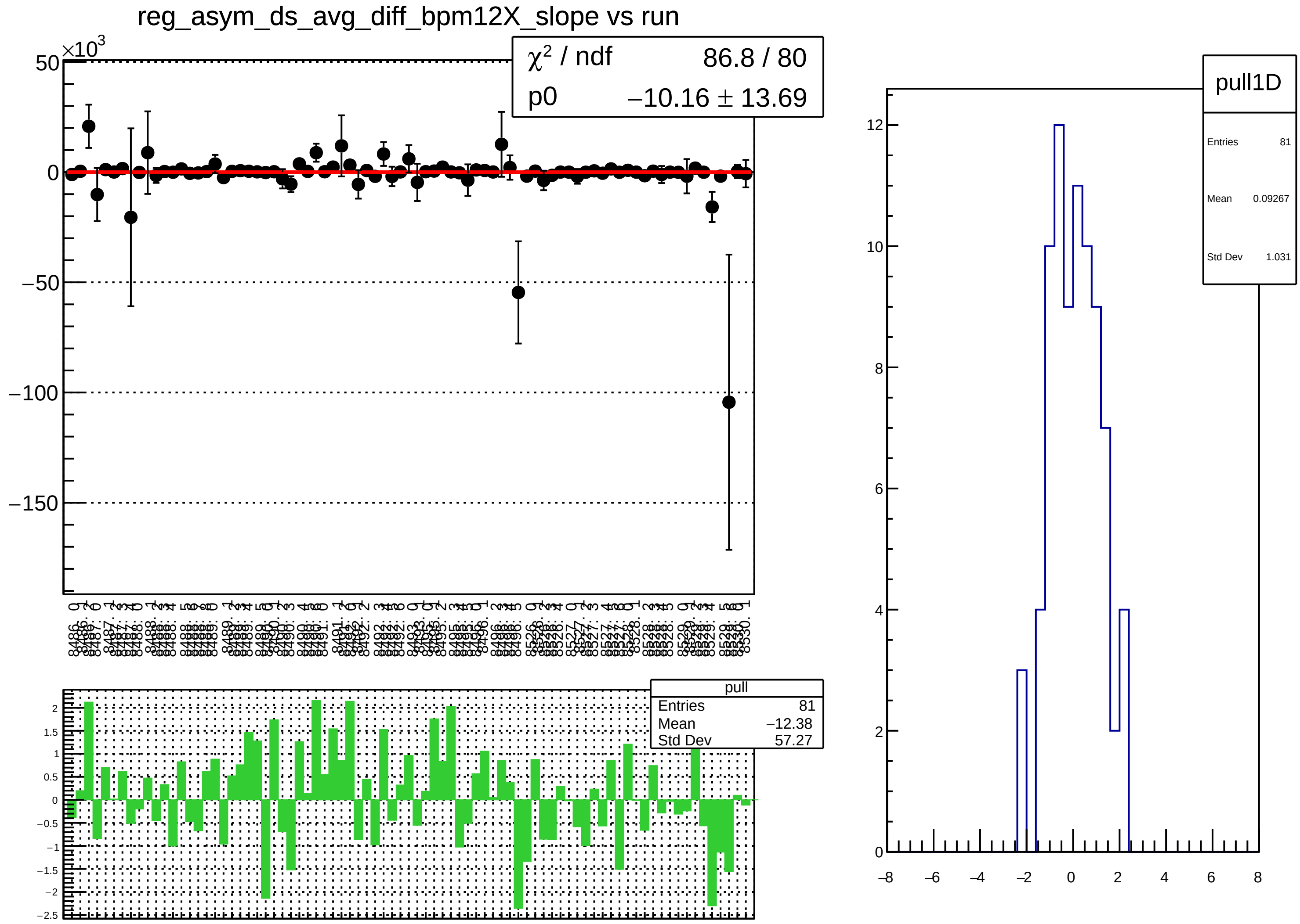


reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 106.3 / 79
p0 107.7 ± 220.9
pull
Entries 80
Mean 87.25
Std Dev 46.65
pull1D
Entries 80
Mean −0.1273
Std Dev 1.146

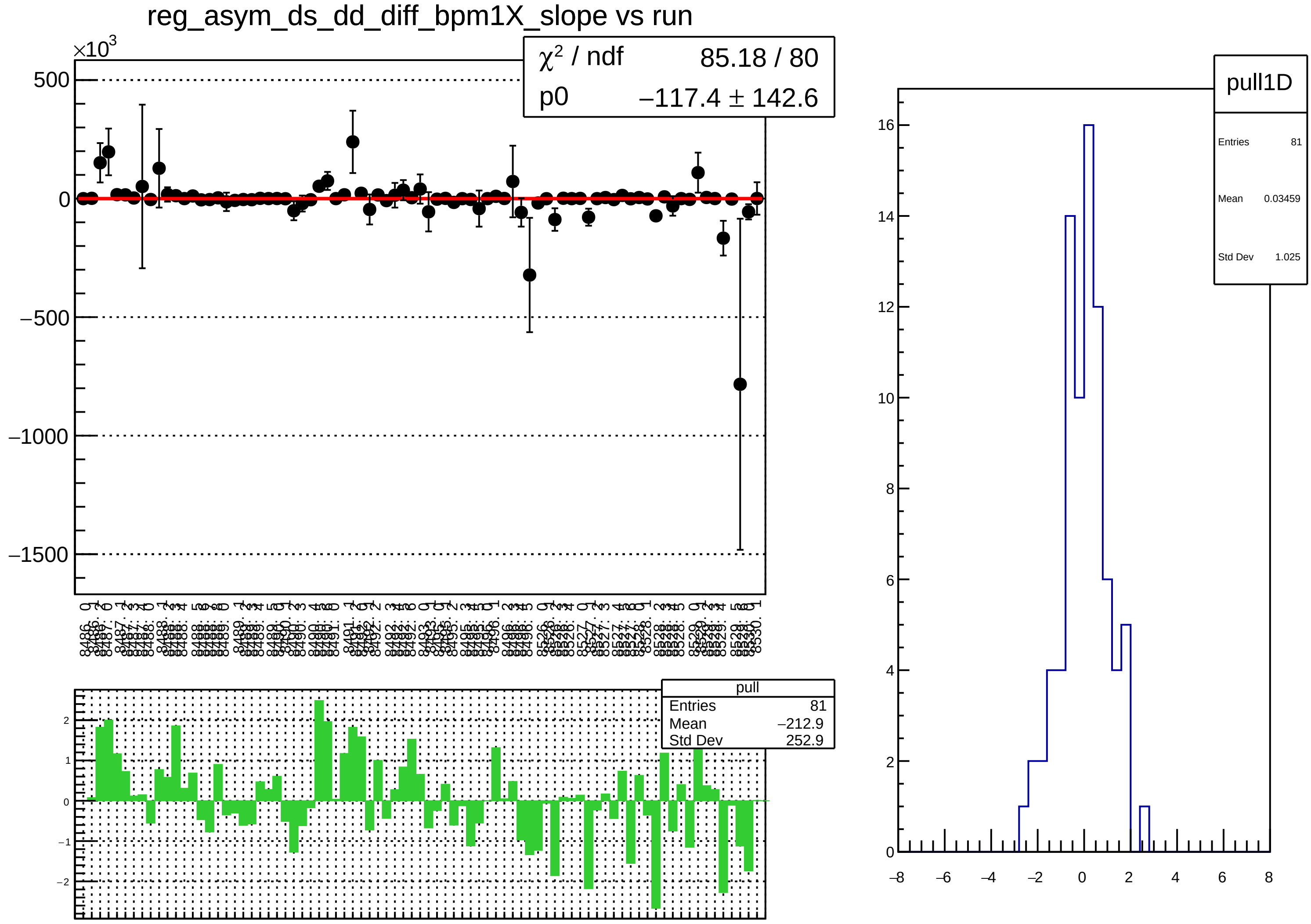


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 85.22 / 80
p0 −178.1 ± 150.4
pull
Entries 81
Mean −174.5
Std Dev 215.3
pull1D
Entries 81
Mean 0.03987
Std Dev 1.025

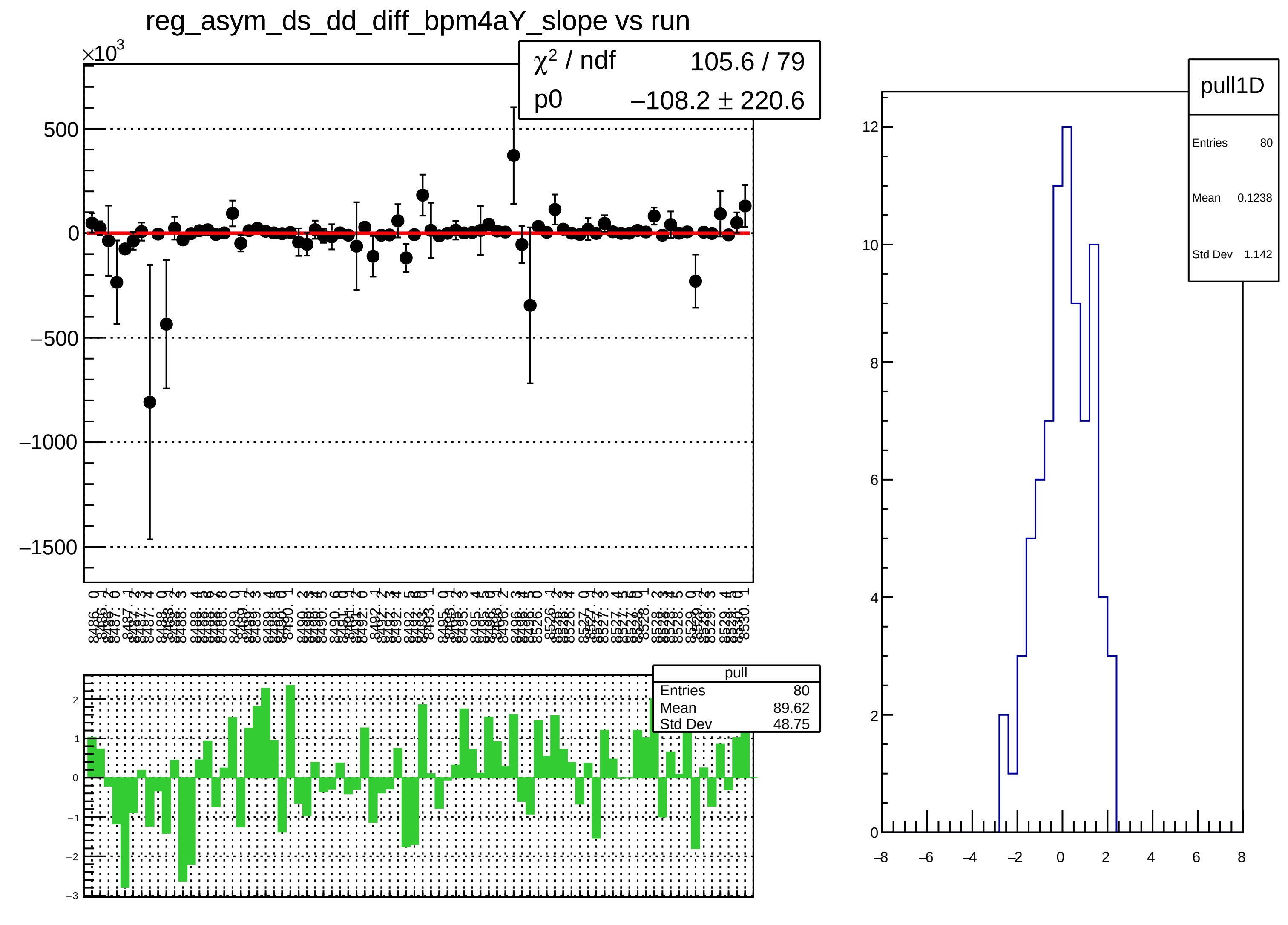

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ2 / ndf 105.2 / 79
p0 −122.6 ± 235.2
pull
Entries 80
Mean 84.1
Std Dev 43.55
pull1D
Entries 80
Mean 0.1346
Std Dev 1.139



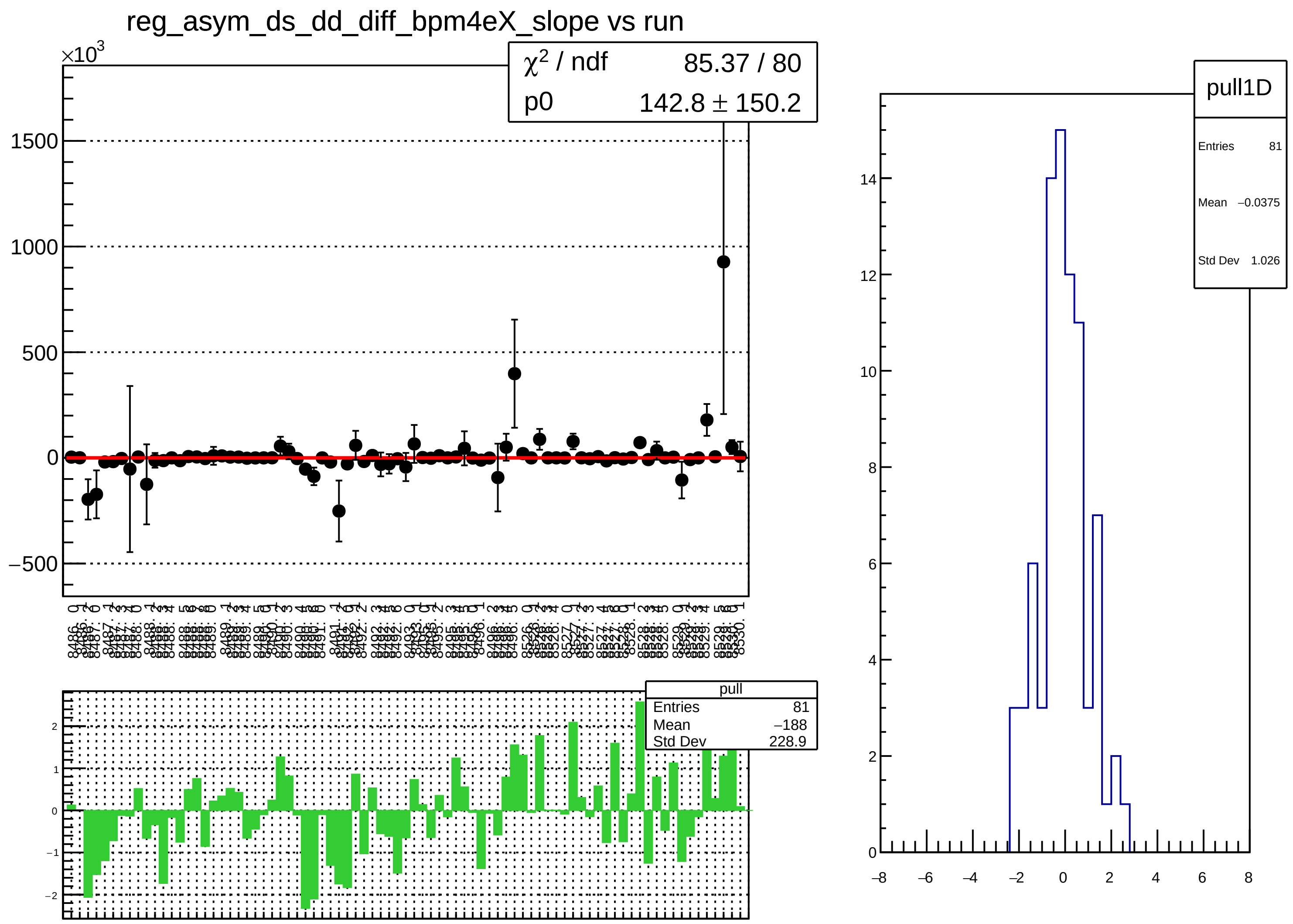
reg_asym_ds_avg_diff_bpm12X_slope vs run
×10^3
χ^2 / ndf 86.8 / 80
p0 −10.16 ± 13.69
pull
Entries 81
Mean −12.38
Std Dev 57.27
pull1D
Entries 81
Mean 0.09267
Std Dev 1.031



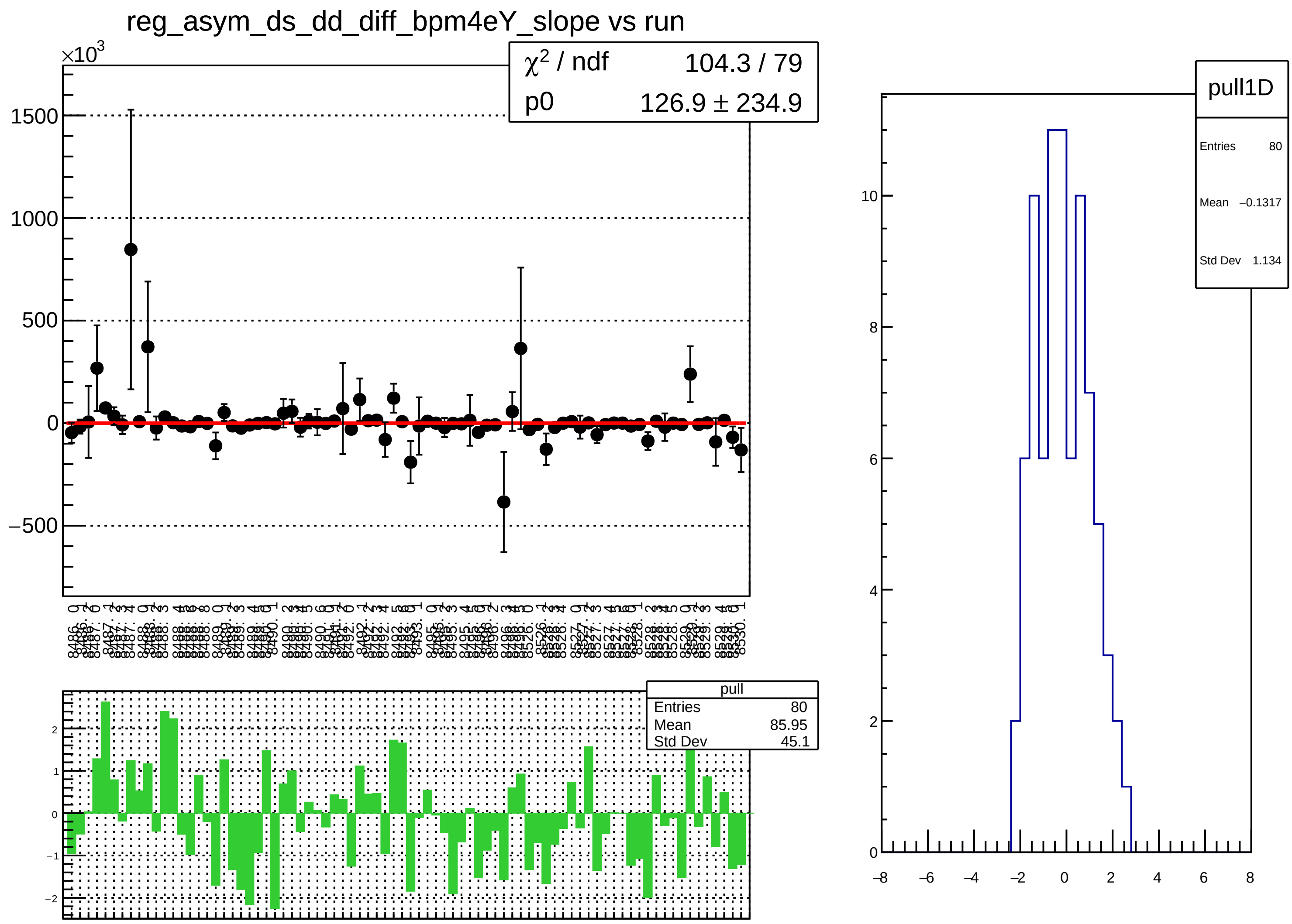
reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 85.18 / 80
p0 −117.4 ± 142.6
pull
Entries 81
Mean −212.9
Std Dev 252.9
pull1D
Entries 81
Mean 0.03459
Std Dev 1.025



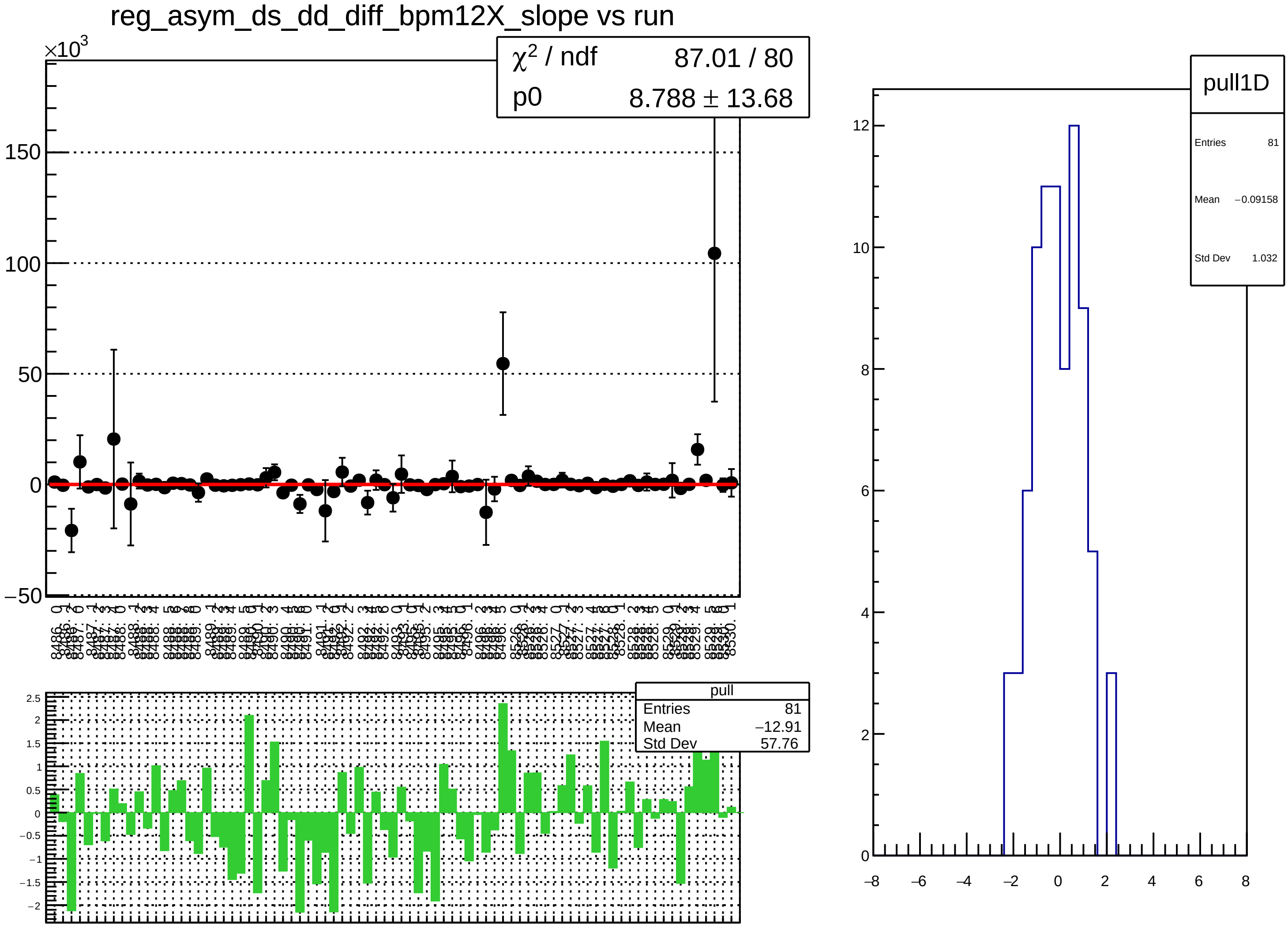
reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 105.6 / 79
p0 −108.2 ± 220.6
pull
Entries 80
Mean 89.62
Std Dev 48.75
pull1D
Entries 80
Mean 0.1238
Std Dev 1.142



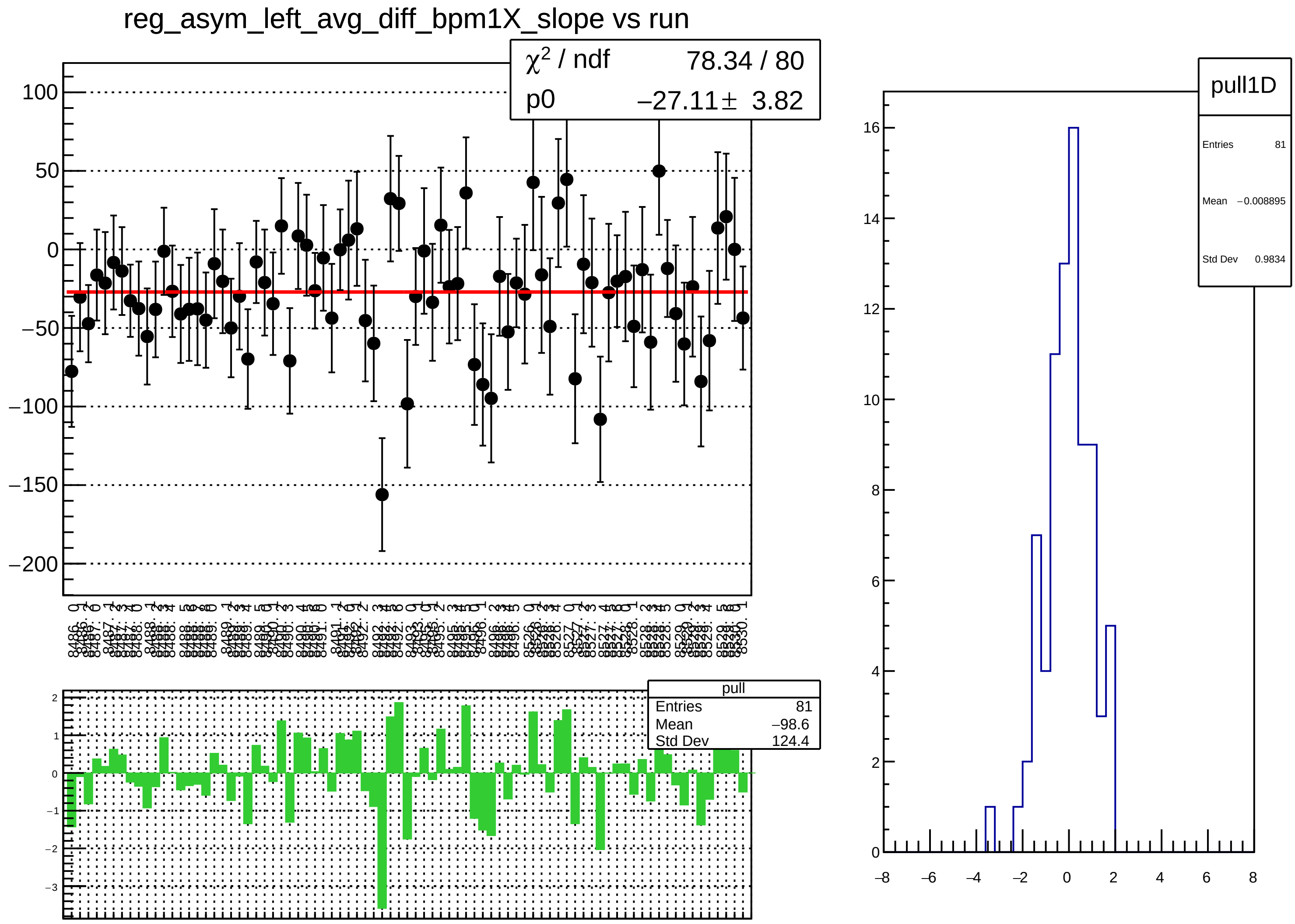
reg_asym_ds_dd_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 85.37 / 80
p0 142.8 ± 150.2
pull
Entries 81
Mean −188
Std Dev 228.9
pull1D
Entries 81
Mean −0.0375
Std Dev 1.026



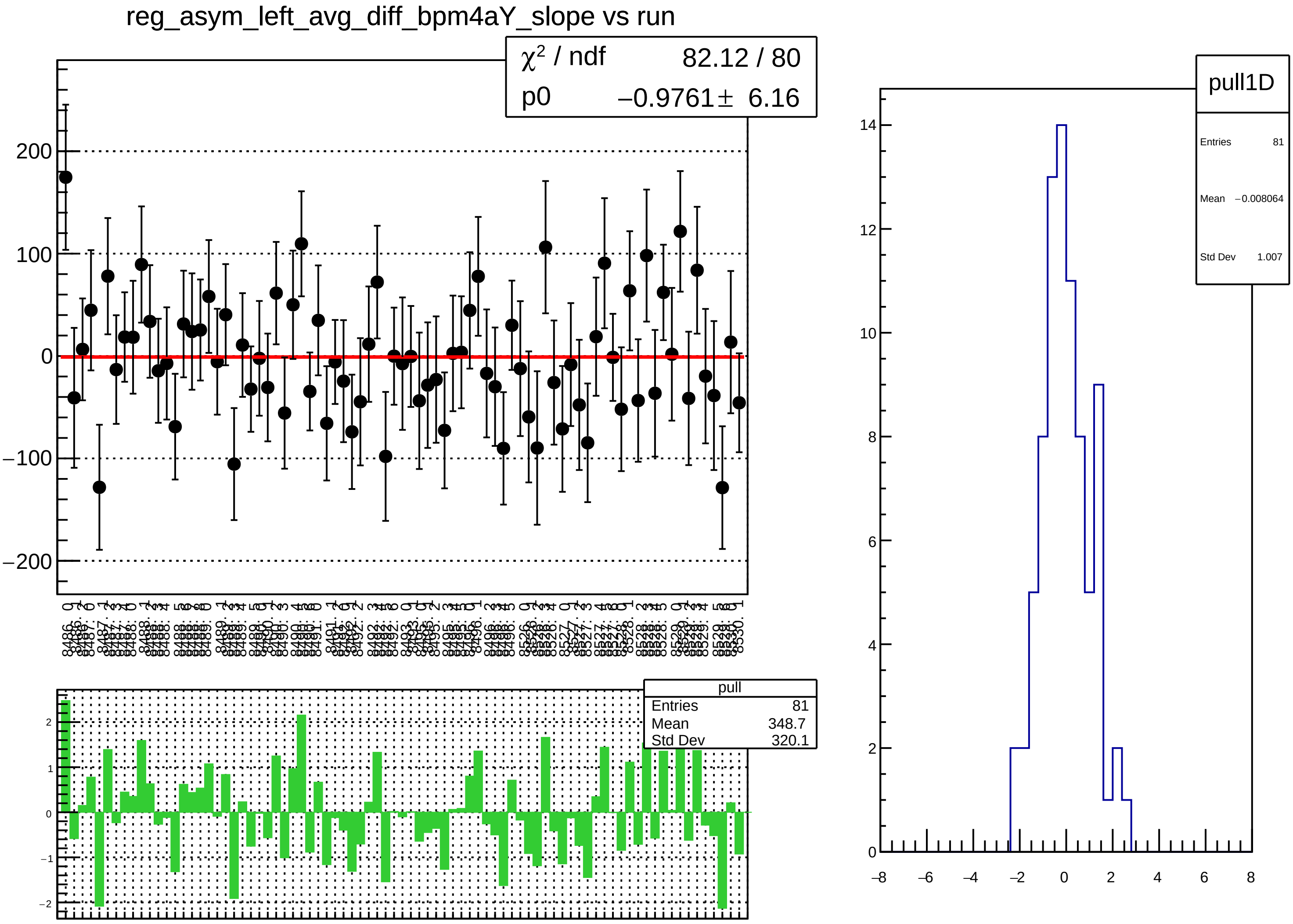
reg_asym_ds_dd_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / ndf 104.3 / 79
p0 126.9 ± 234.9
1500
1000
500
0
−500
pull
Entries 80
Mean 85.95
Std Dev 45.1
pull1D
Entries 80
Mean −0.1317
Std Dev 1.134

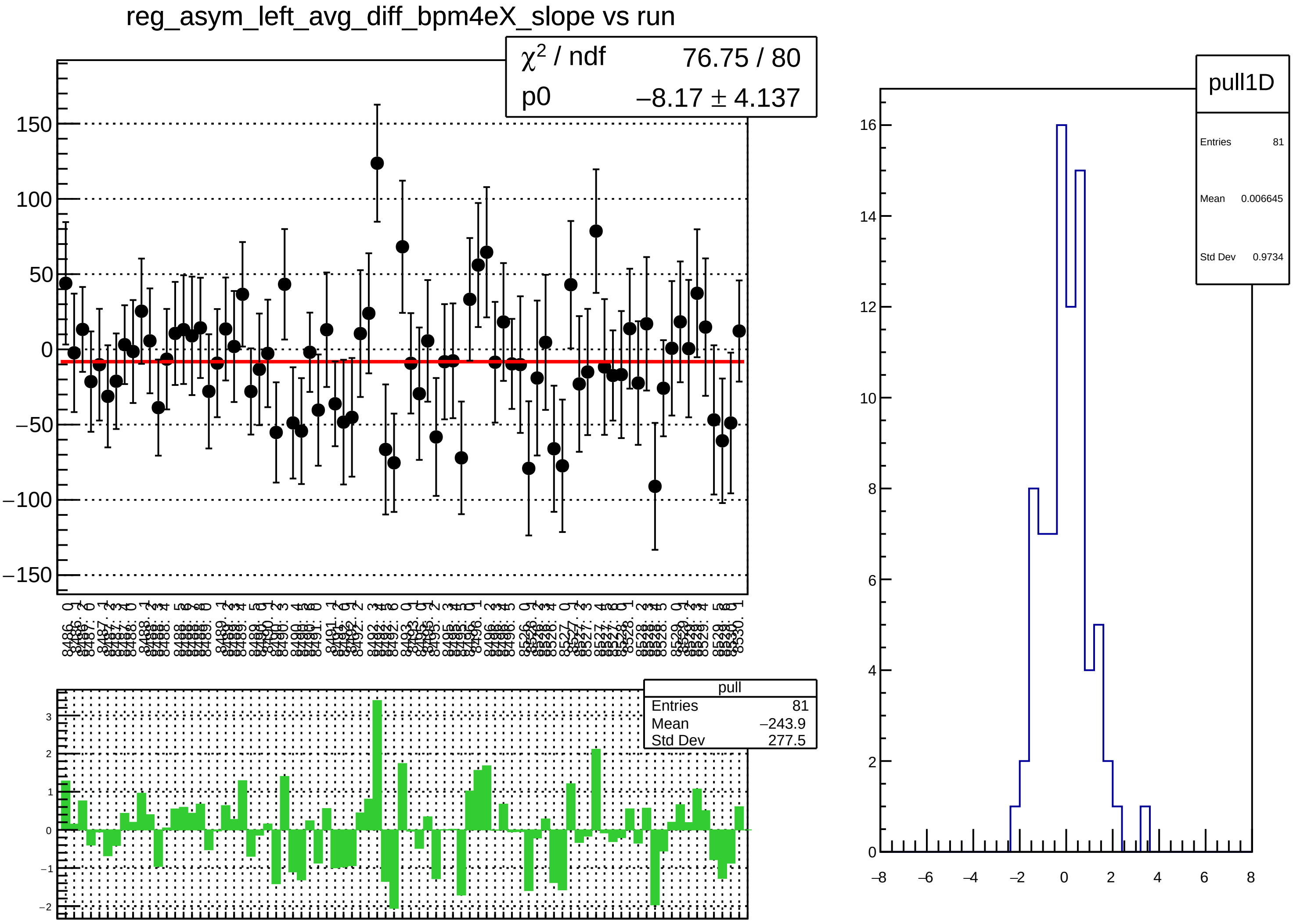


reg_asym_ds_dd_diff_bpm12X_slope vs run
×10^3
χ2 / ndf 87.01 / 80
p0 8.788 ± 13.68
150
100
50
0
−50
pull
Entries 81
Mean −12.91
Std Dev 57.76
pull1D
Entries 81
Mean −0.09158
Std Dev 1.032

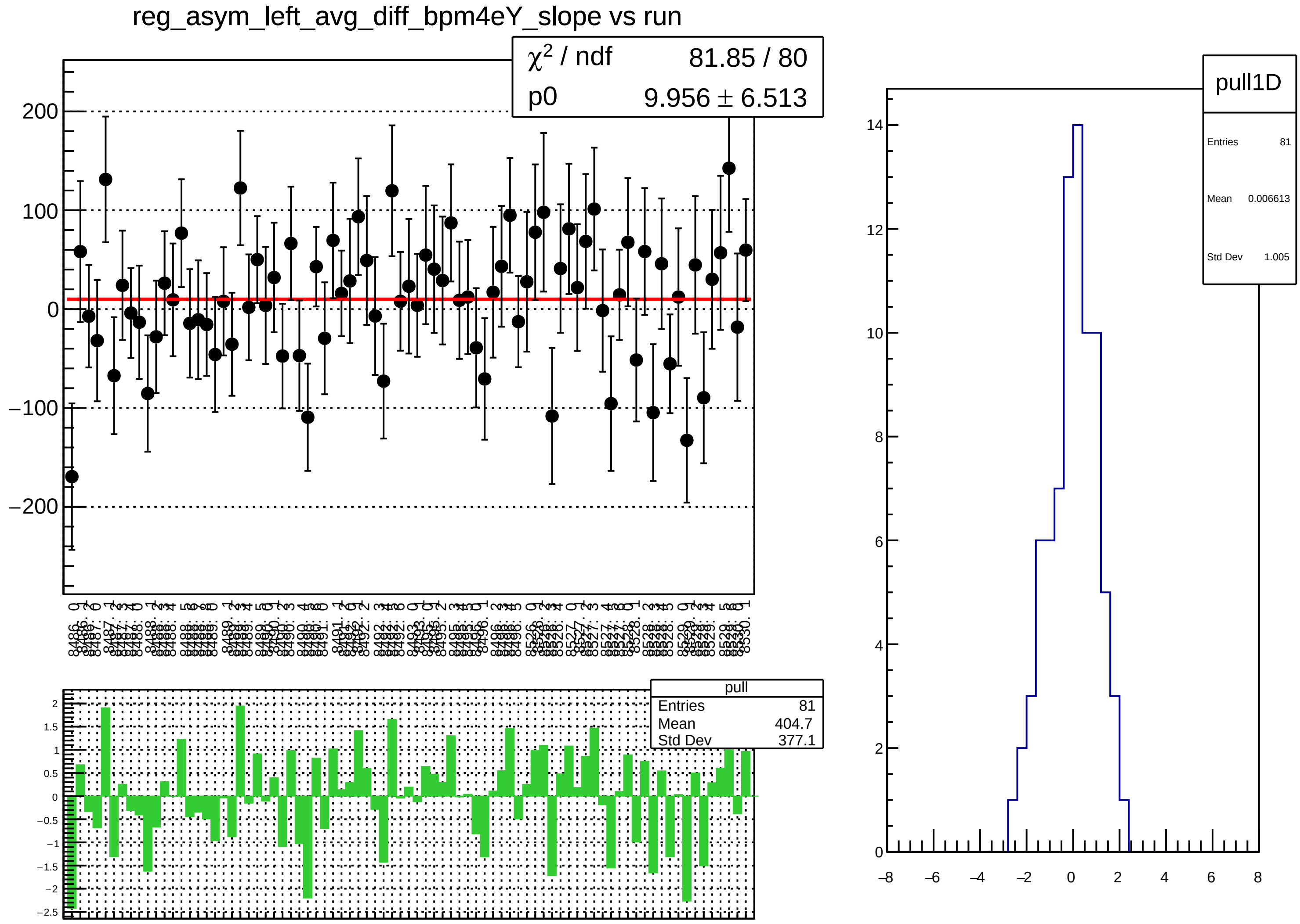


reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 78.34 / 80
p0 −27.11 ± 3.82
pull
Entries 81
Mean −98.6
Std Dev 124.4
pull1D
Entries 81
Mean −0.008895
Std Dev 0.9834

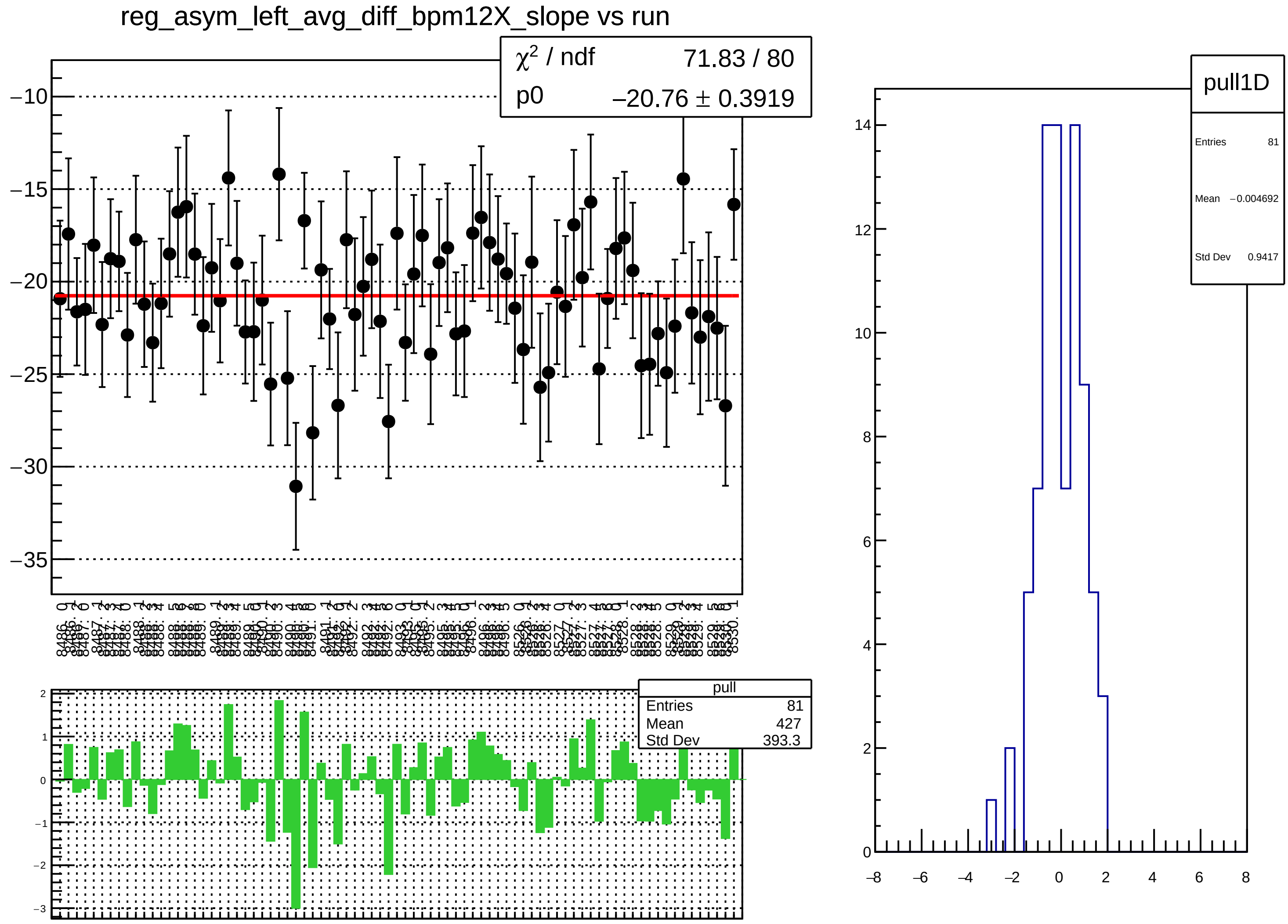

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 82.12 / 80
p0 −0.9761 ± 6.16
pull
Entries 81
Mean 348.7
Std Dev 320.1
pull1D
Entries 81
Mean −0.008064
Std Dev 1.007



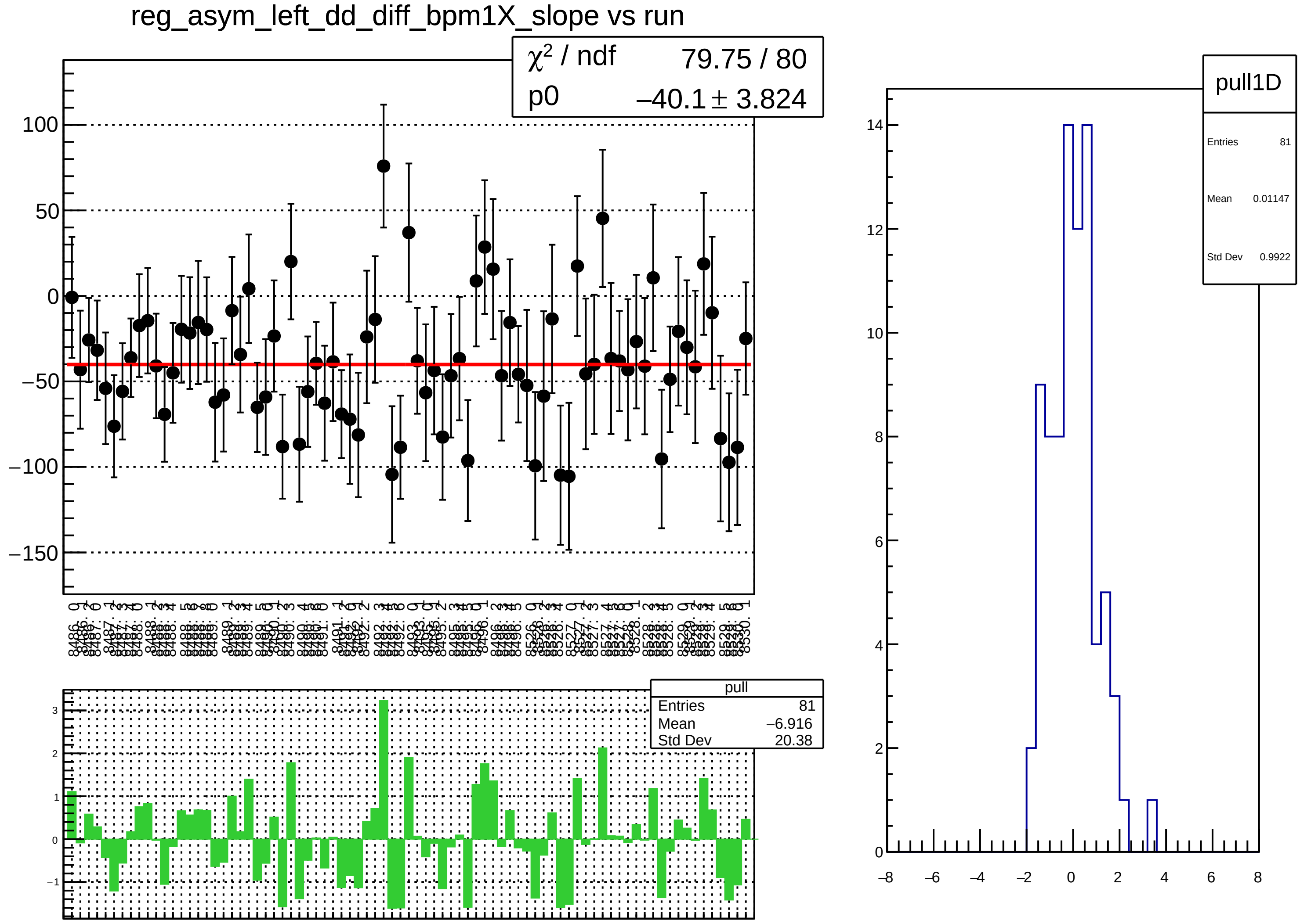
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 76.75 / 80
p0 −8.17 ± 4.137
pull
Entries 81
Mean −243.9
Std Dev 277.5
pull1D
Entries 81
Mean 0.006645
Std Dev 0.9734

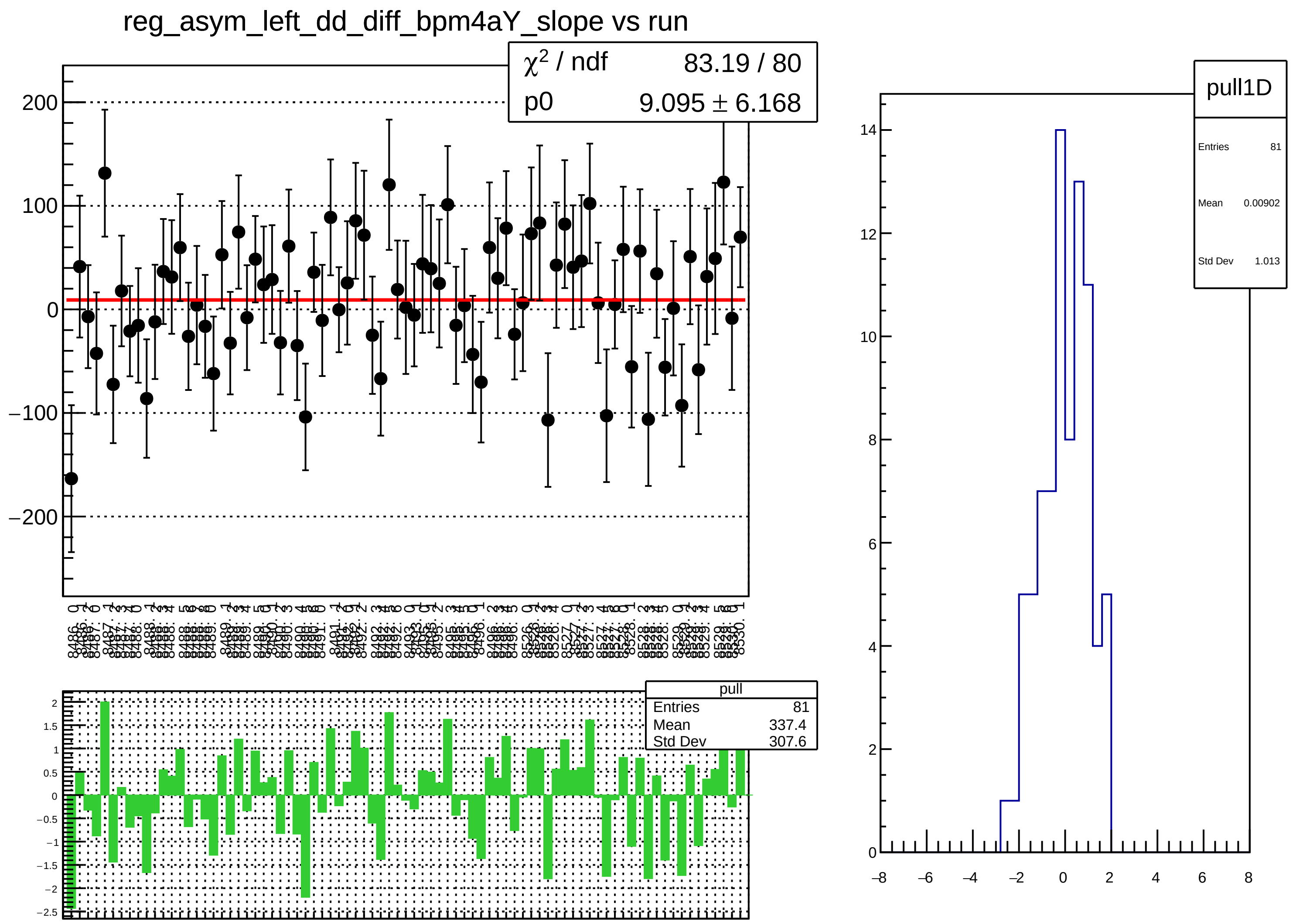


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ2 / ndf 81.85 / 80
p0 9.956 ± 6.513
pull
Entries 81
Mean 404.7
Std Dev 377.1
pull1D
Entries 81
Mean 0.006613
Std Dev 1.005

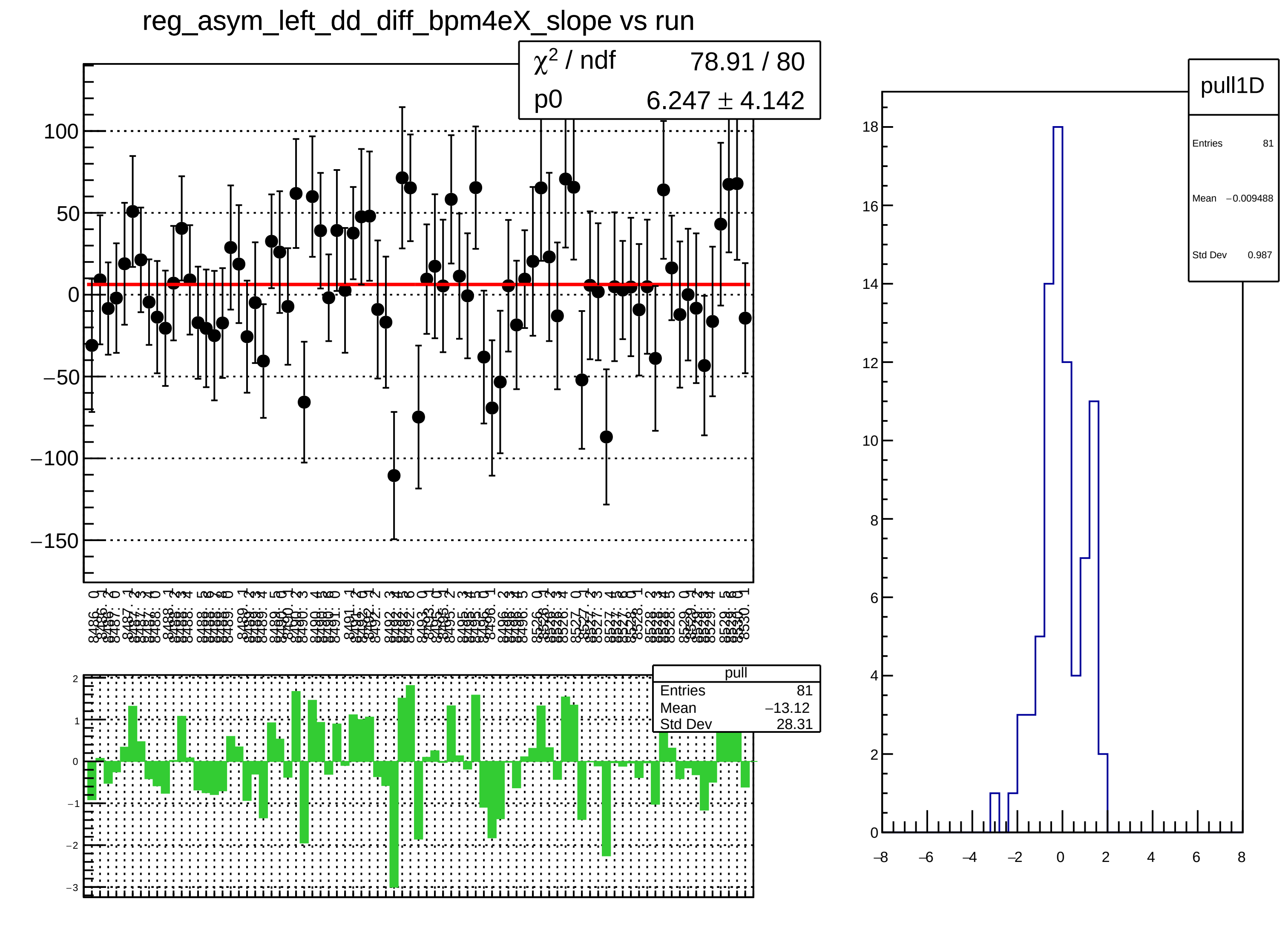


reg_asym_left_avg_diff_bpm12X_slope vs run
χ2 / ndf 71.83 / 80
p0 −20.76 ± 0.3919
pull
Entries 81
Mean 427
Std Dev 393.3
pull1D
Entries 81
Mean −0.004692
Std Dev 0.9417

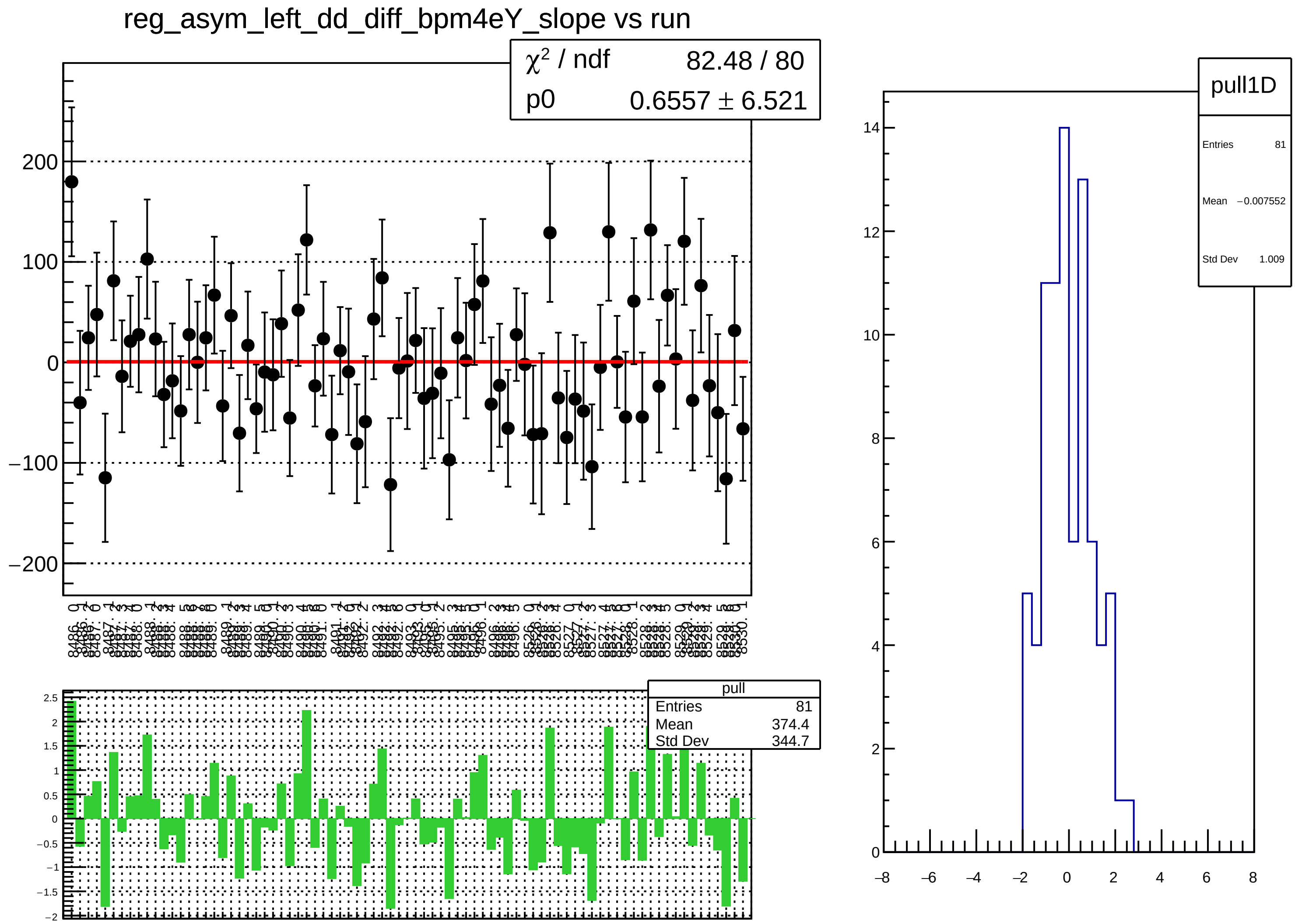

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 79.75 / 80
p0 −40.1 ± 3.824
100
50
0
−50
−100
−150
pull
Entries 81
Mean −6.916
Std Dev 20.38
3
2
1
0
−1
pull1D
Entries 81
Mean 0.01147
Std Dev 0.9922
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

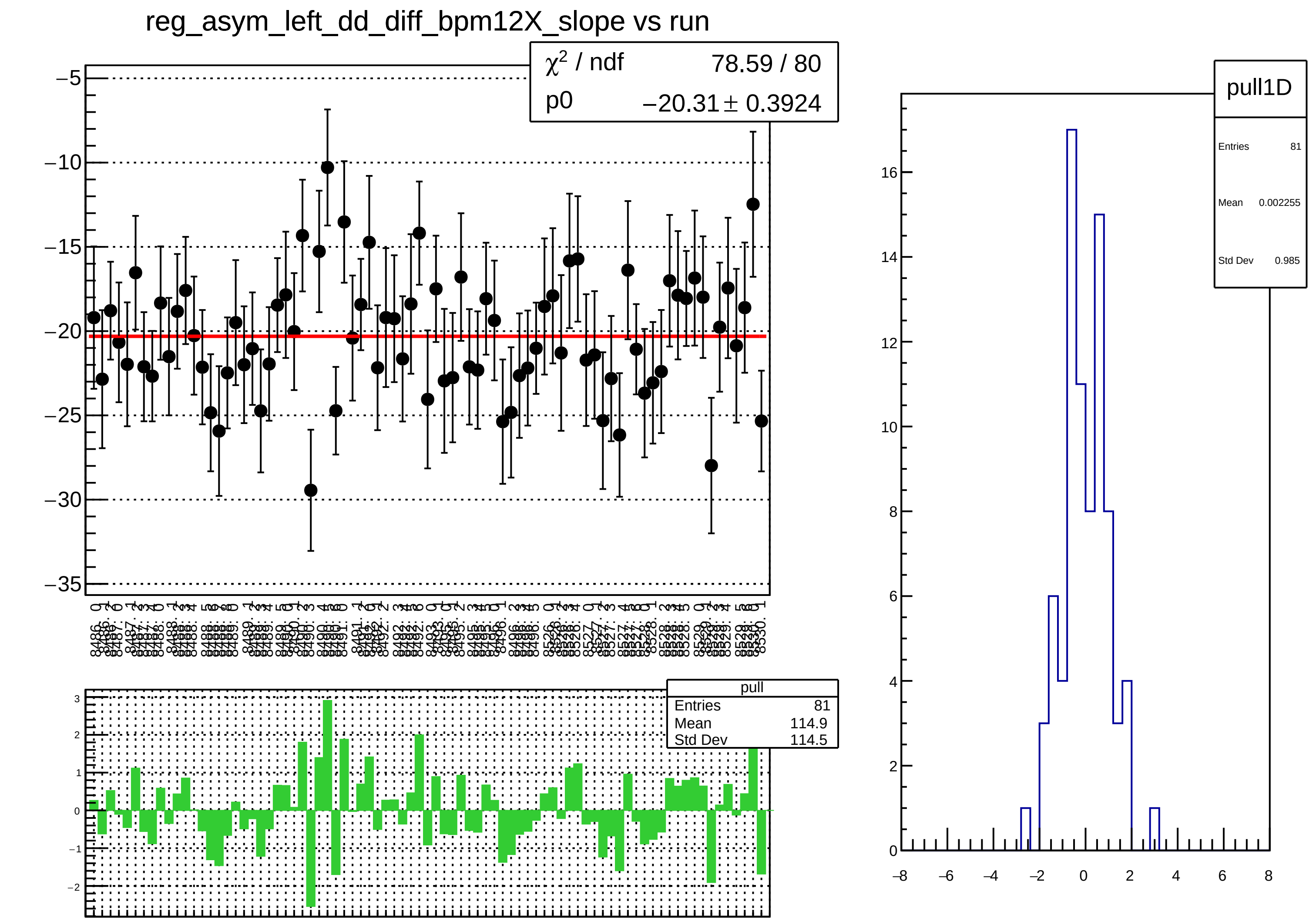


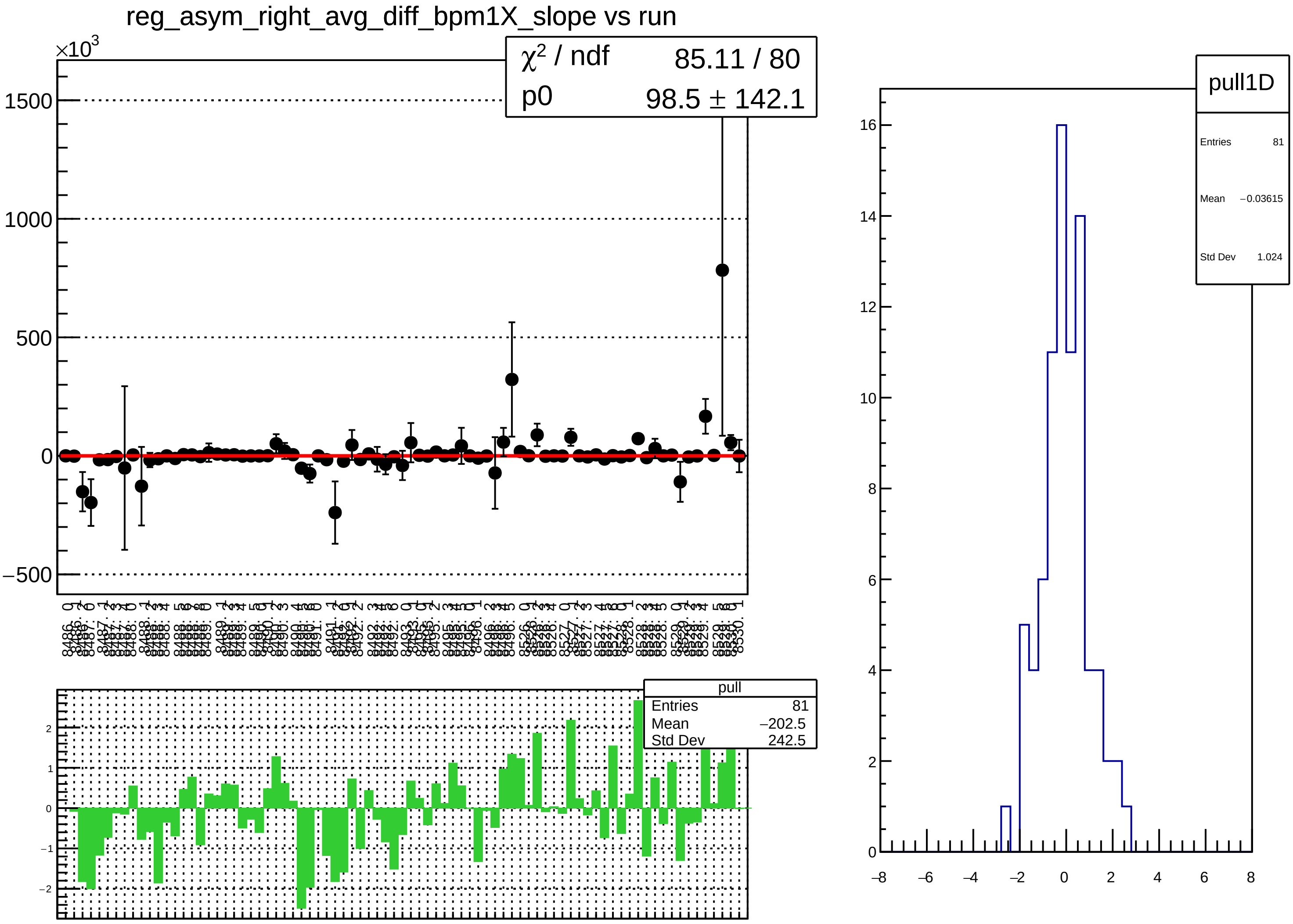
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 83.19 / 80
p0 9.095 ± 6.168
pull
Entries 81
Mean 337.4
Std Dev 307.6
pull1D
Entries 81
Mean 0.00902
Std Dev 1.013

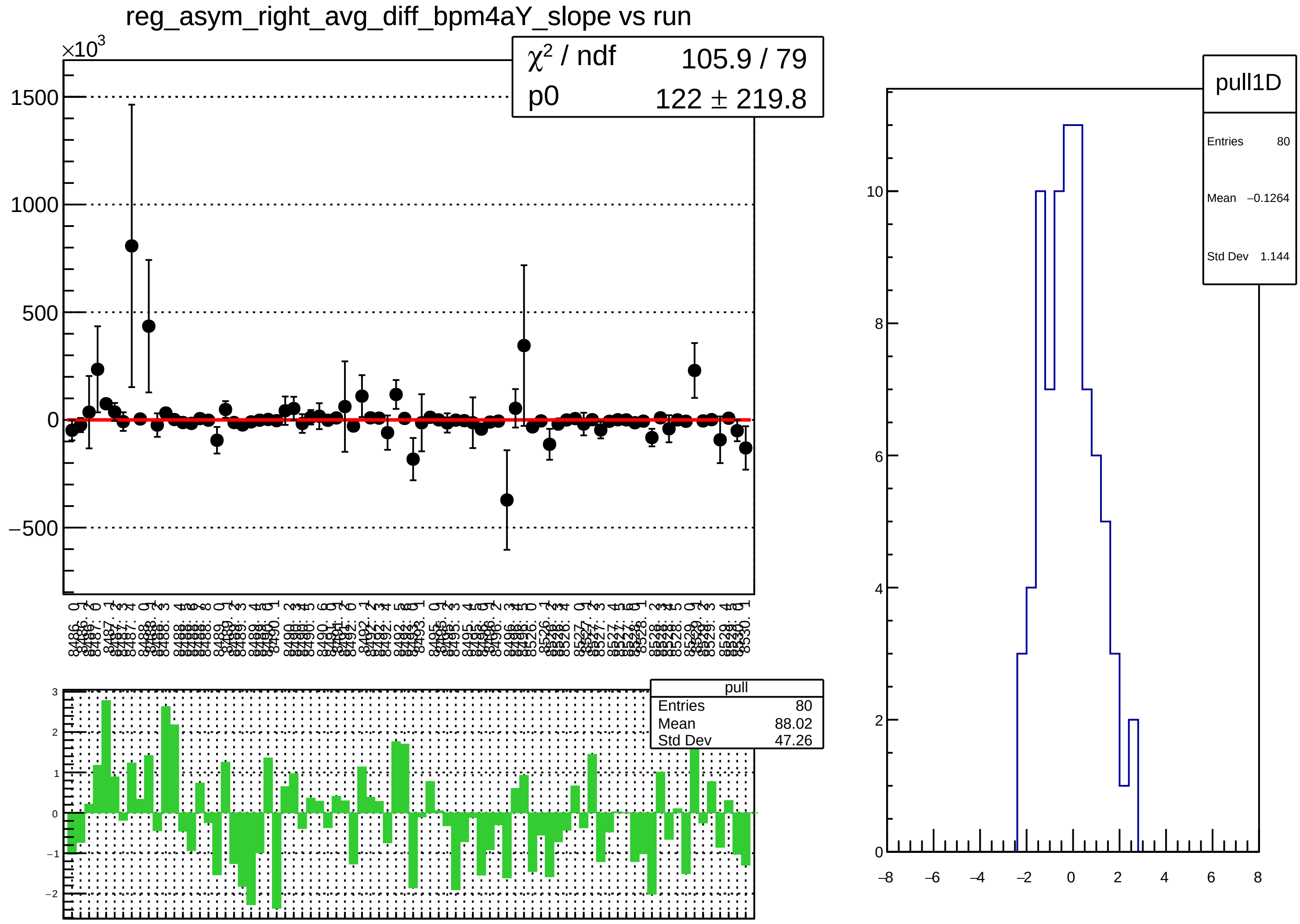


reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 78.91 / 80
p0 6.247 ± 4.142
pull
Entries 81
Mean −13.12
Std Dev 28.31
pull1D
Entries 81
Mean −0.009488
Std Dev 0.987

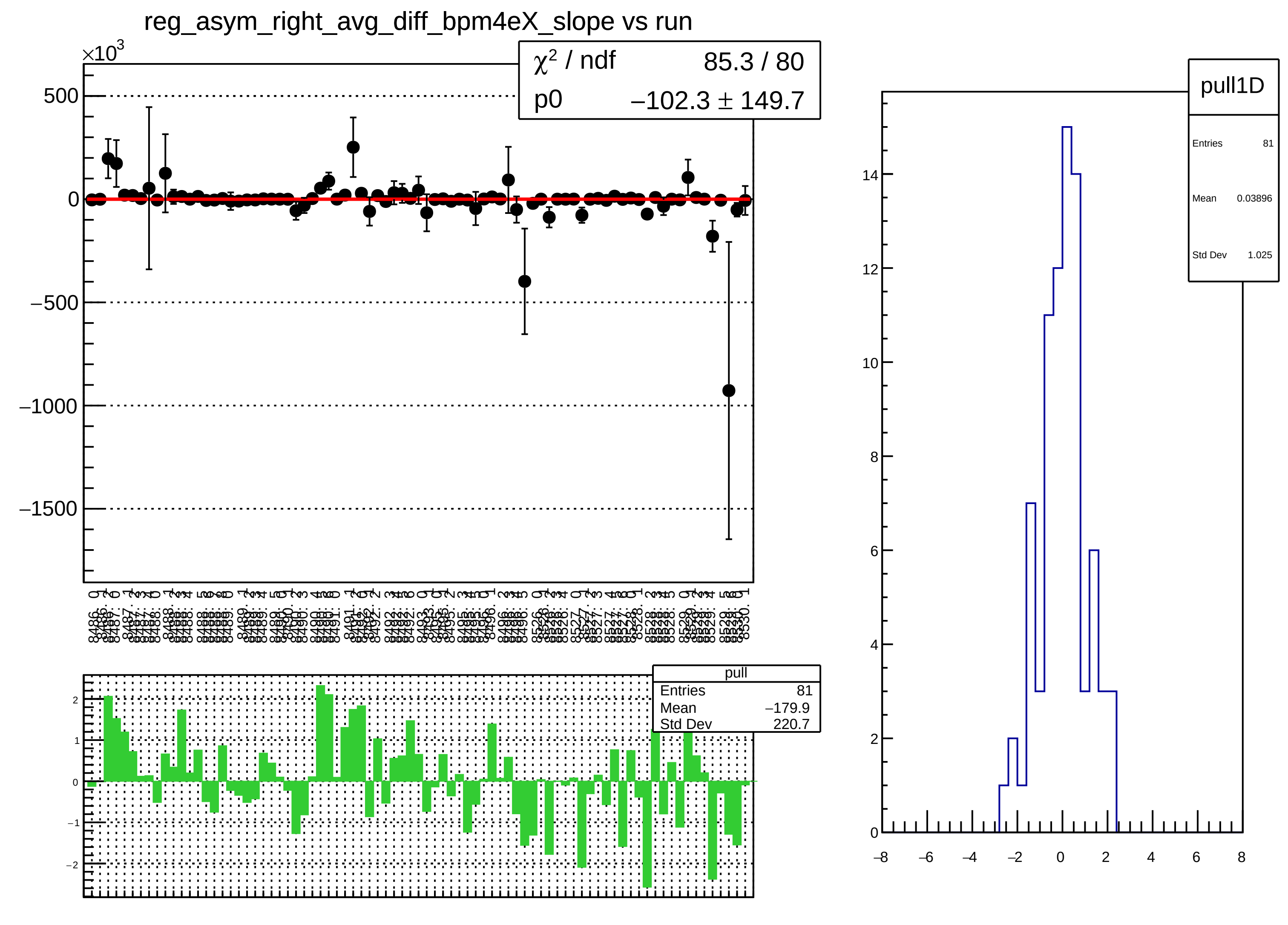

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 82.48 / 80
p0 0.6557 ± 6.521
pull
Entries 81
Mean 374.4
Std Dev 344.7
pull1D
Entries 81
Mean −0.007552
Std Dev 1.009


reg_asym_left_dd_diff_bpm12X_slope vs run
χ2 / ndf 78.59 / 80
p0 −20.31 ± 0.3924
pull
Entries 81
Mean 114.9
Std Dev 114.5
pull1D
Entries 81
Mean 0.002255
Std Dev 0.985

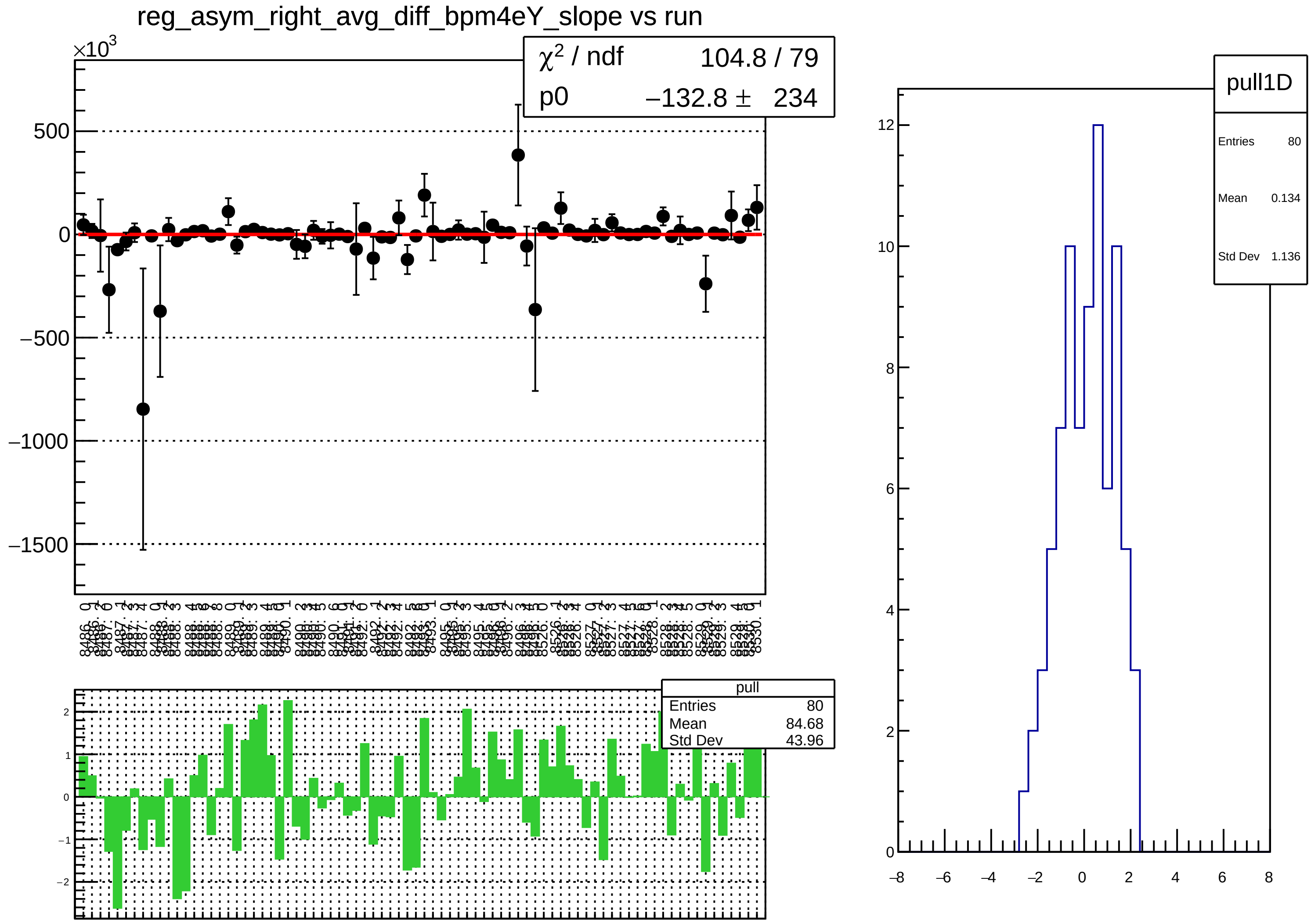

reg_asym_right_avg_diff_bpm1X_slope vs run
χ2 / ndf 85.11 / 80
p0 98.5 ± 142.1
pull
Entries 81
Mean −202.5
Std Dev 242.5
pull1D
Entries 81
Mean −0.03615
Std Dev 1.024



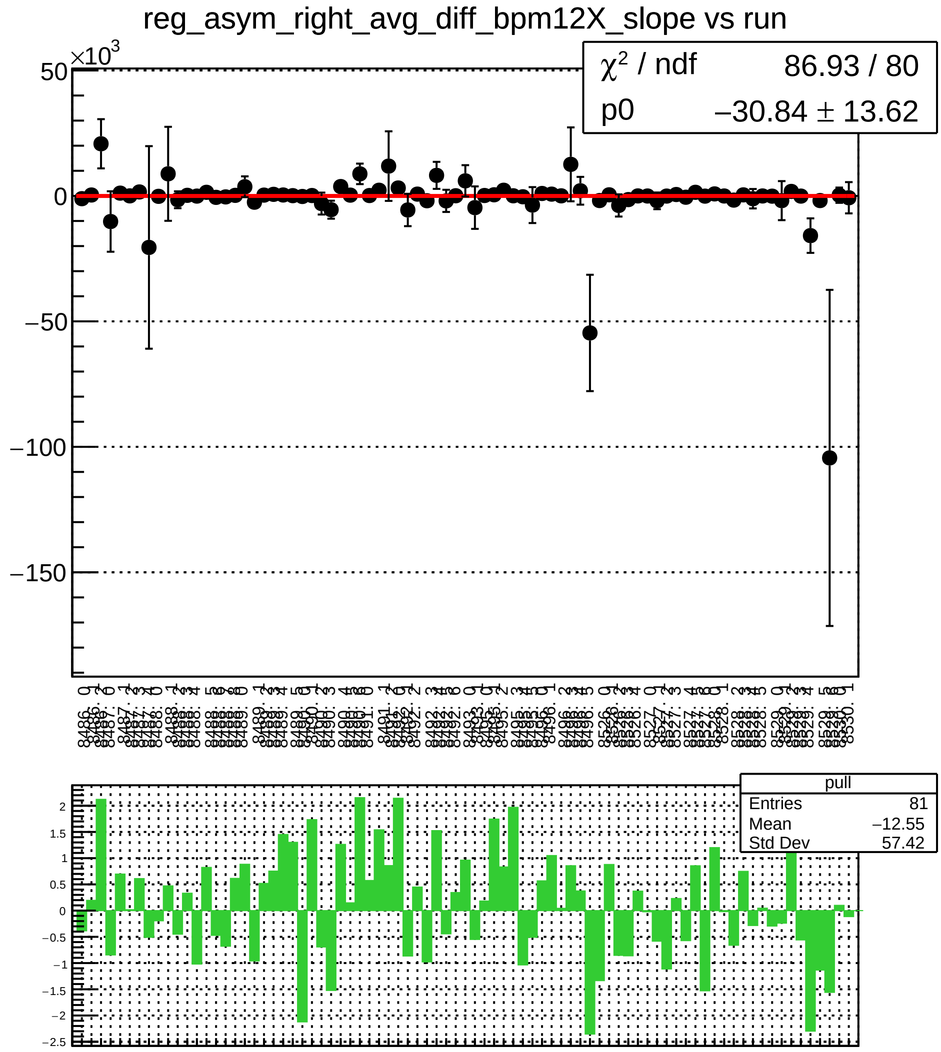
reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ2 / ndf 105.9 / 79
p0 122 ± 219.8
1500
1000
500
0
−500
pull
Entries 80
Mean 88.02
Std Dev 47.26
pull1D
Entries 80
Mean −0.1264
Std Dev 1.144



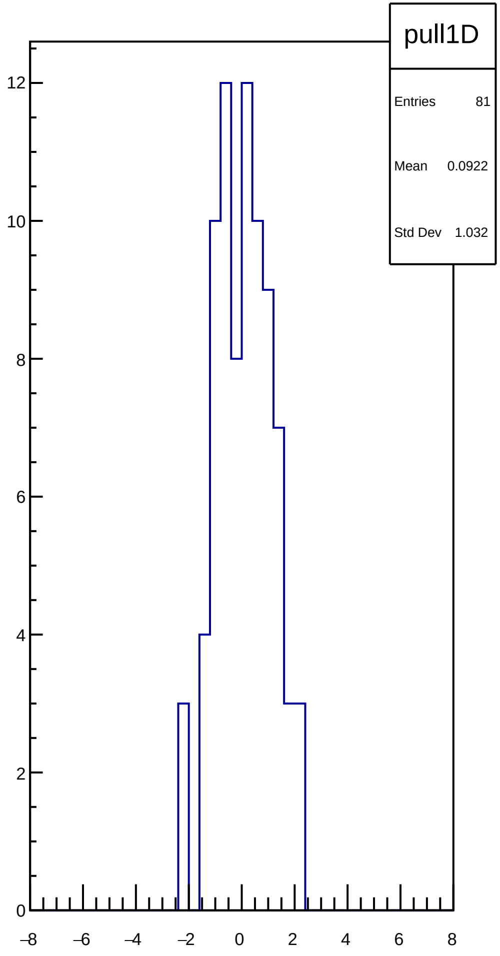
reg_asym_right_avg_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 85.3 / 80
p0 −102.3 ± 149.7
pull
Entries 81
Mean −179.9
Std Dev 220.7
pull1D
Entries 81
Mean 0.03896
Std Dev 1.025



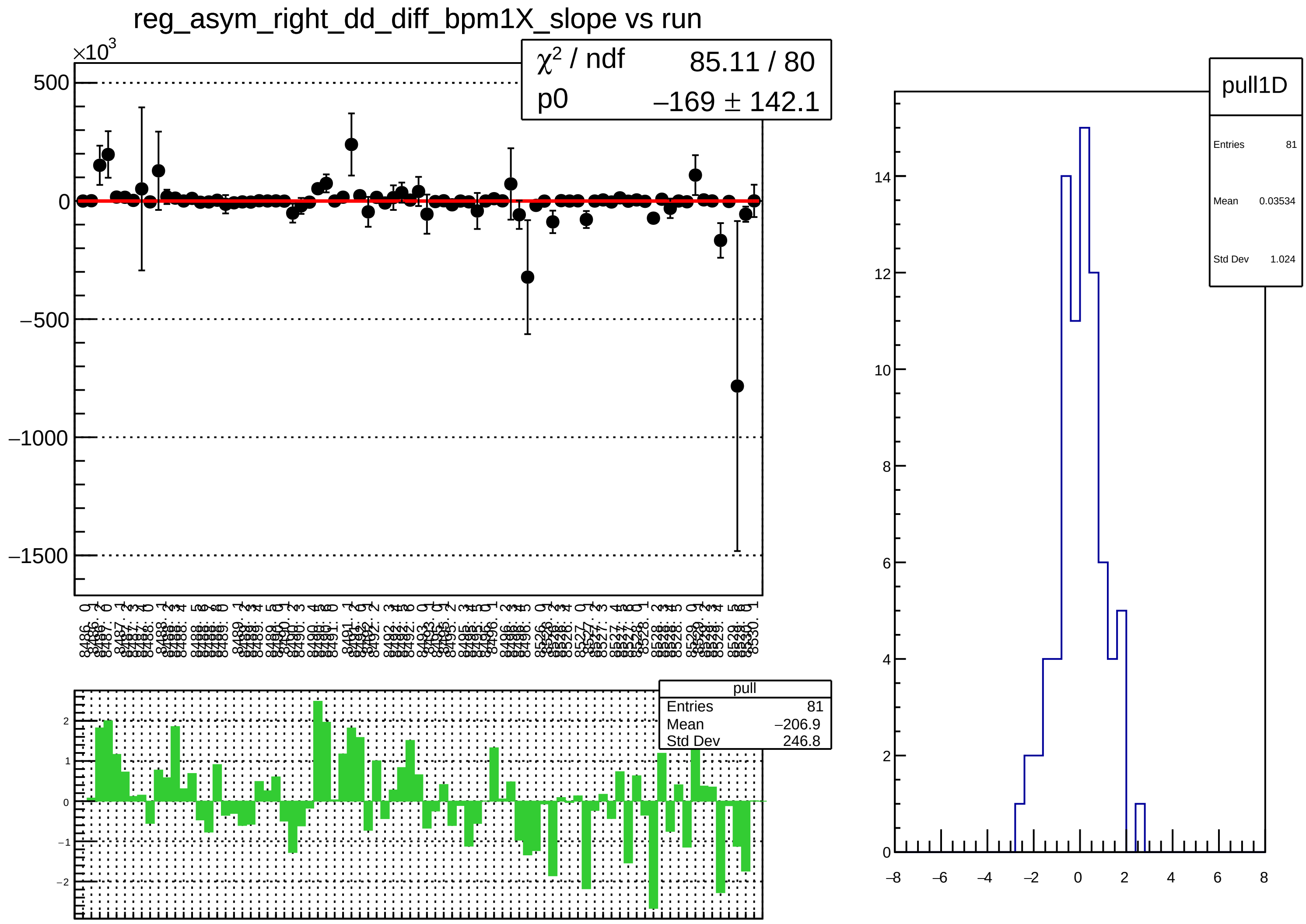
reg_asym_right_avg_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / ndf 104.8 / 79
p0 −132.8 ± 234
500
0
−500
−1000
−1500
pull
Entries 80
Mean 84.68
Std Dev 43.96
pull1D
Entries 80
Mean 0.134
Std Dev 1.136



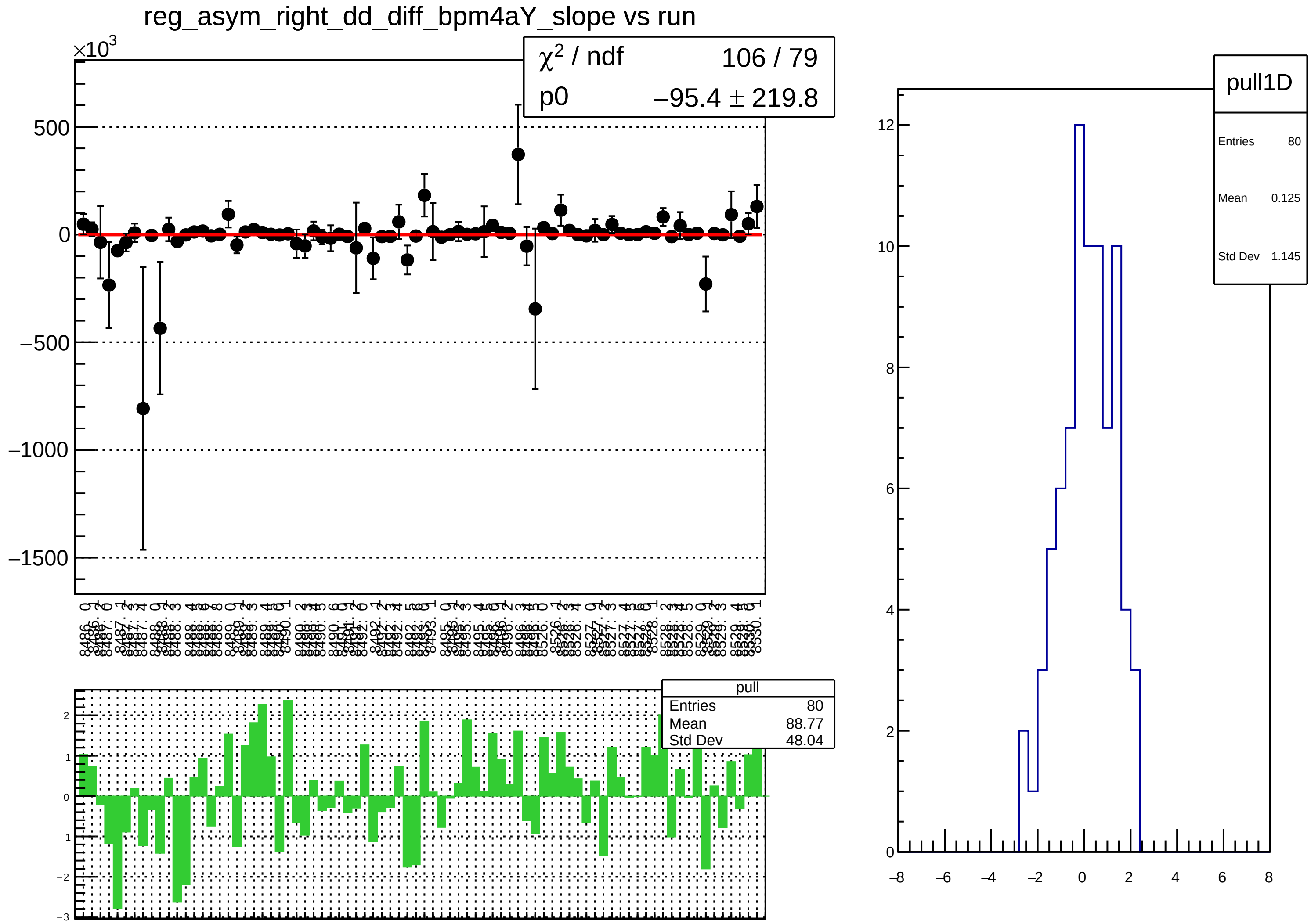
reg_asym_right_avg_diff_bpm12X_slope vs run
$\times10^3$
χ^2 / ndf 86.93 / 80
p0 −30.84 ± 13.62
50
0
−50
−100
−150
pull
Entries 81
Mean −12.55
Std Dev 57.42



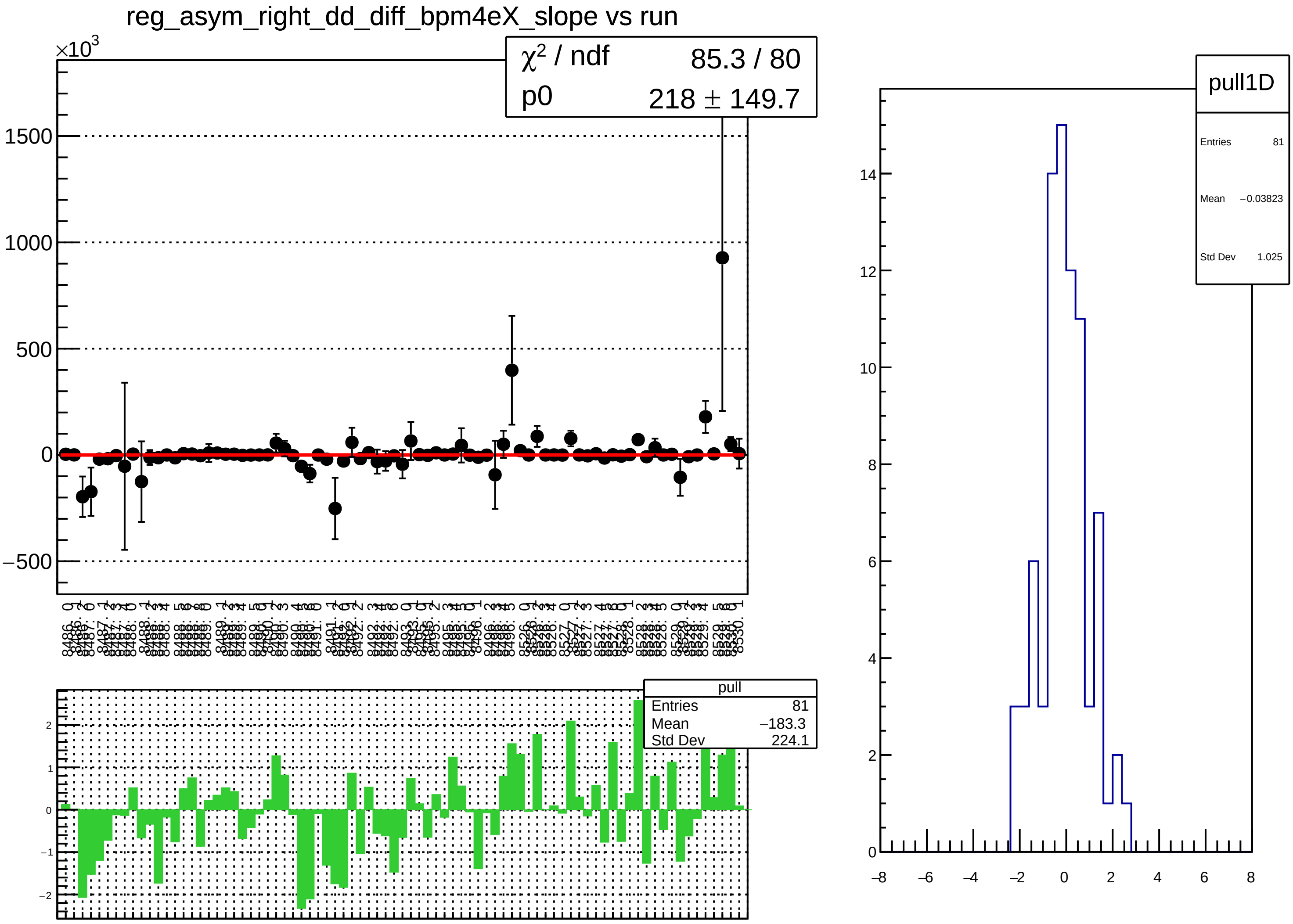
pull1D
Entries 81
Mean 0.0922
Std Dev 1.032



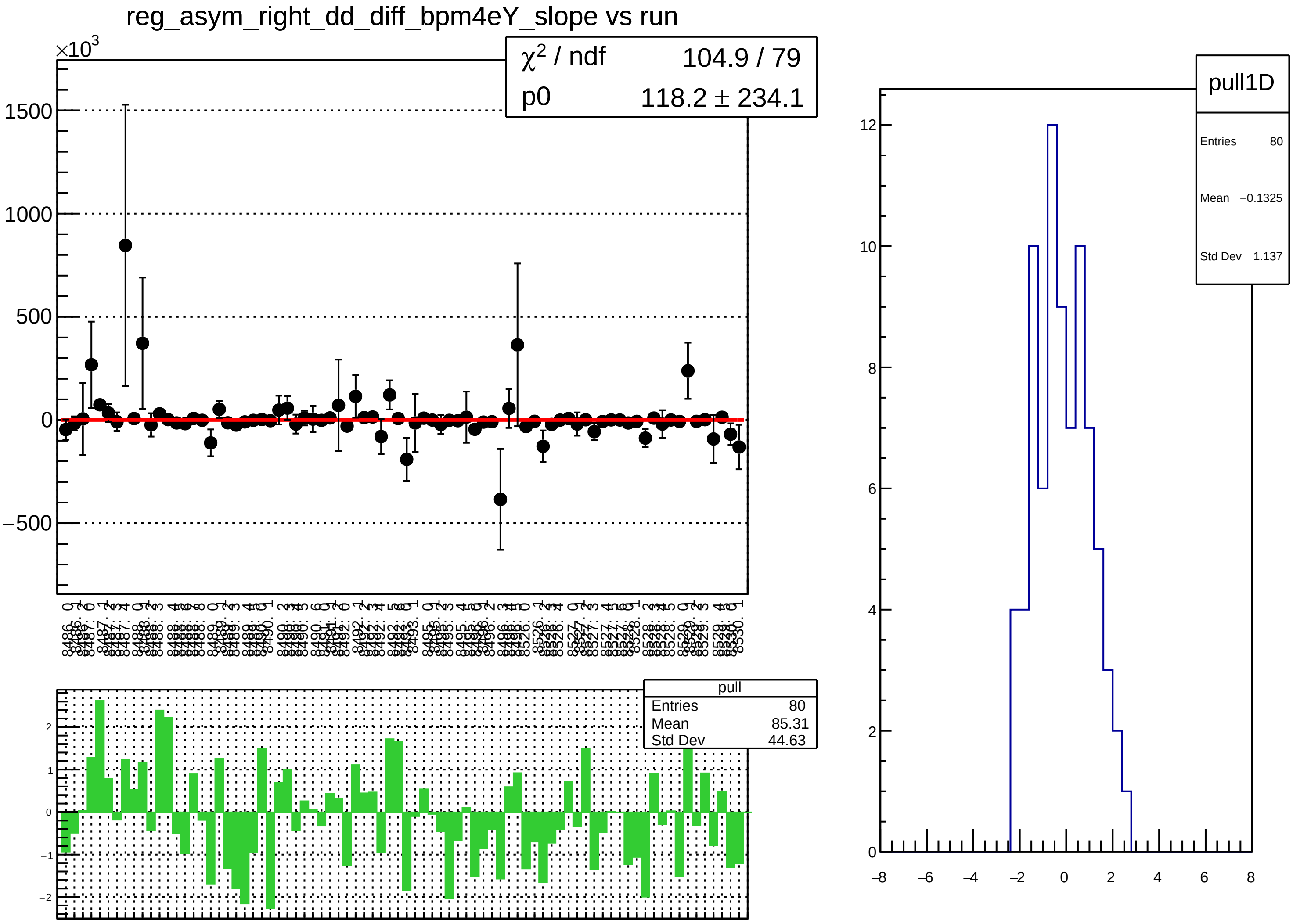
reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ2 / ndf 85.11 / 80
p0 −169 ± 142.1
500
0
−500
−1000
−1500
pull
Entries 81
Mean −206.9
Std Dev 246.8
pull1D
Entries 81
Mean 0.03534
Std Dev 1.024



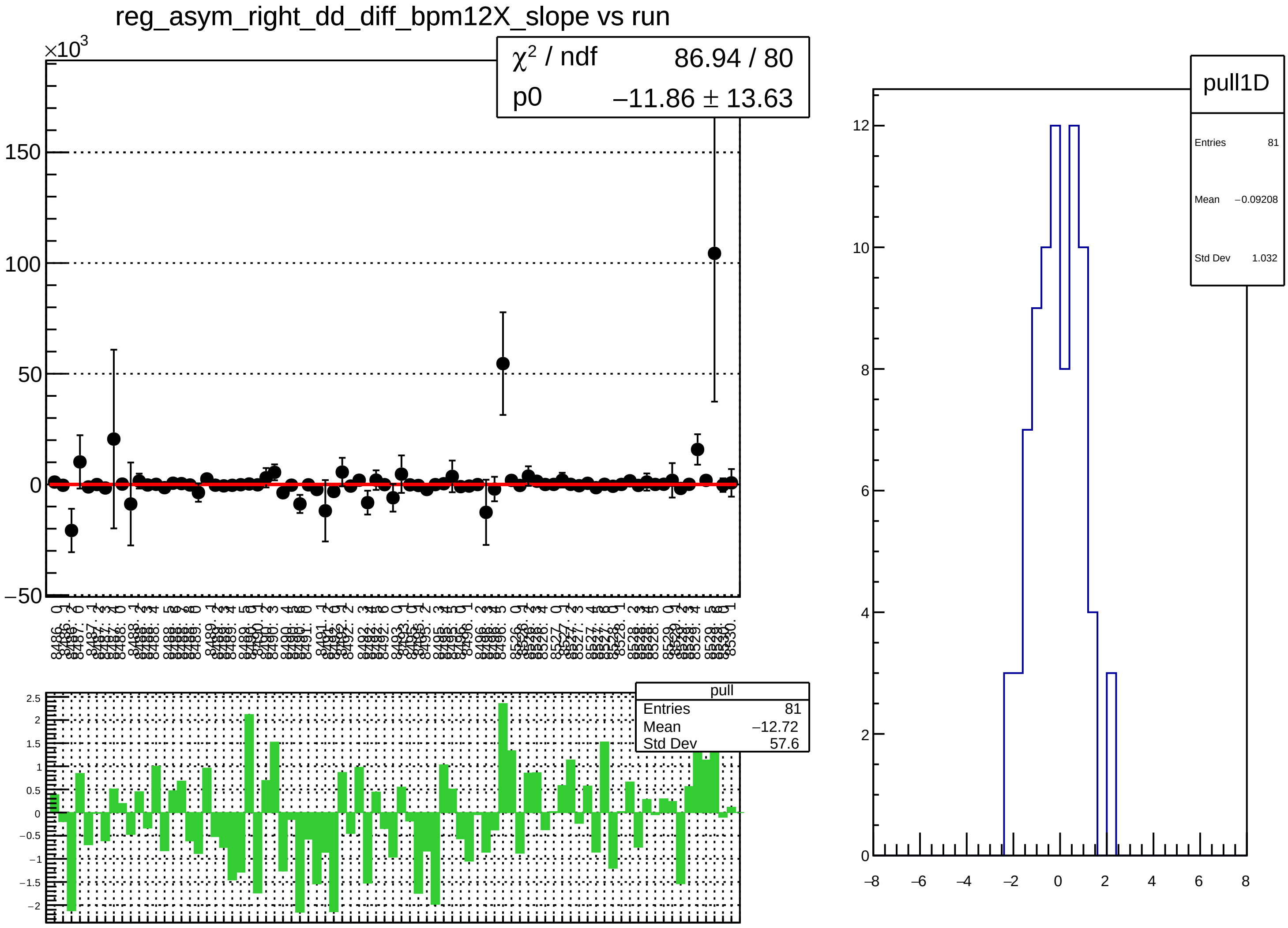
reg_asym_right_dd_diff_bpm4aY_slope vs run
$\times10^3$
χ^2 / ndf 106 / 79
p0 −95.4 ± 219.8
pull
Entries 80
Mean 88.77
Std Dev 48.04
pull1D
Entries 80
Mean 0.125
Std Dev 1.145



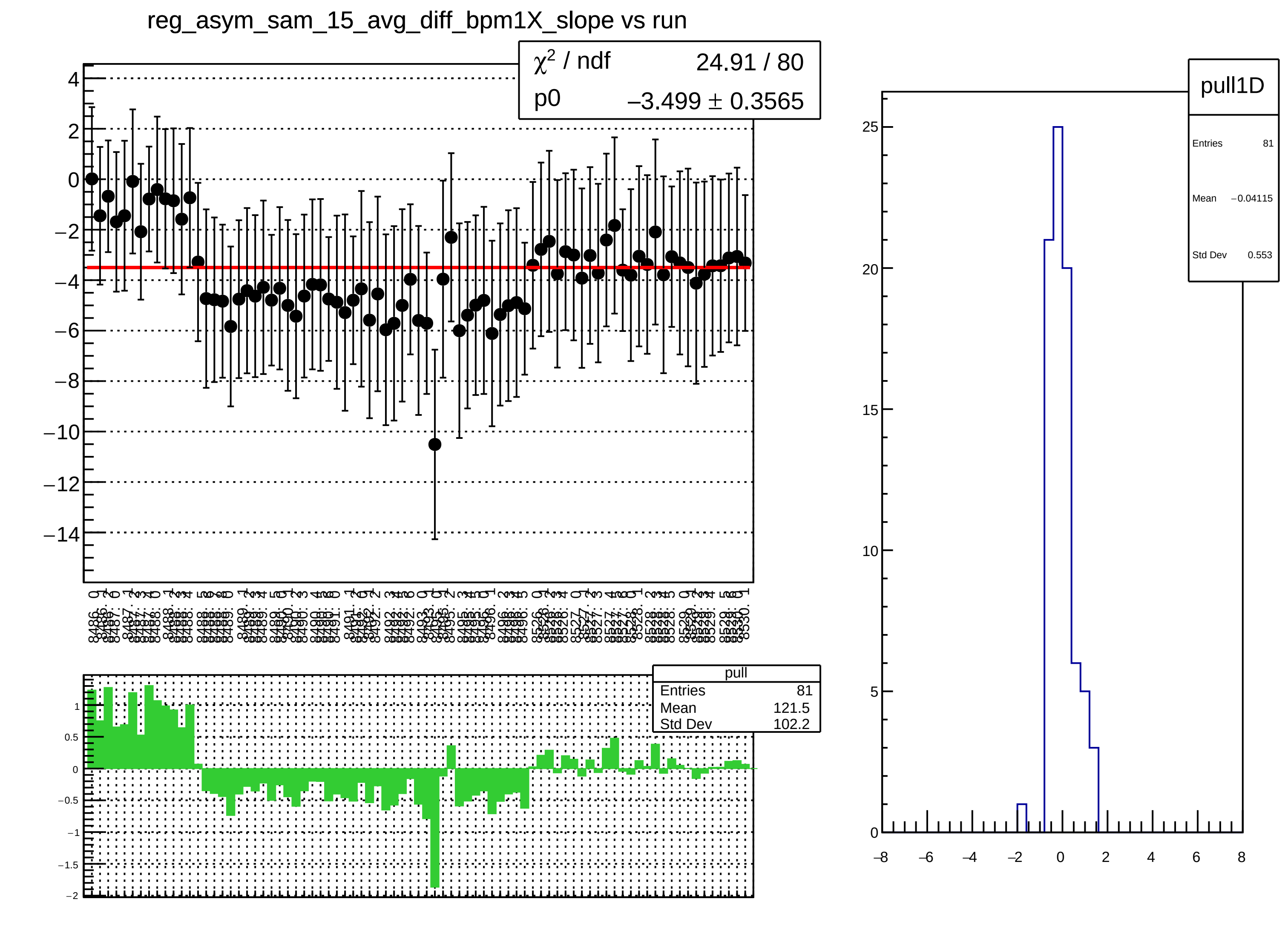
reg_asym_right_dd_diff_bpm4eX_slope vs run
$\times10^3$
χ^2 / ndf 85.3 / 80
p0 218 ± 149.7
pull
Entries 81
Mean −183.3
Std Dev 224.1
pull1D
Entries 81
Mean −0.03823
Std Dev 1.025

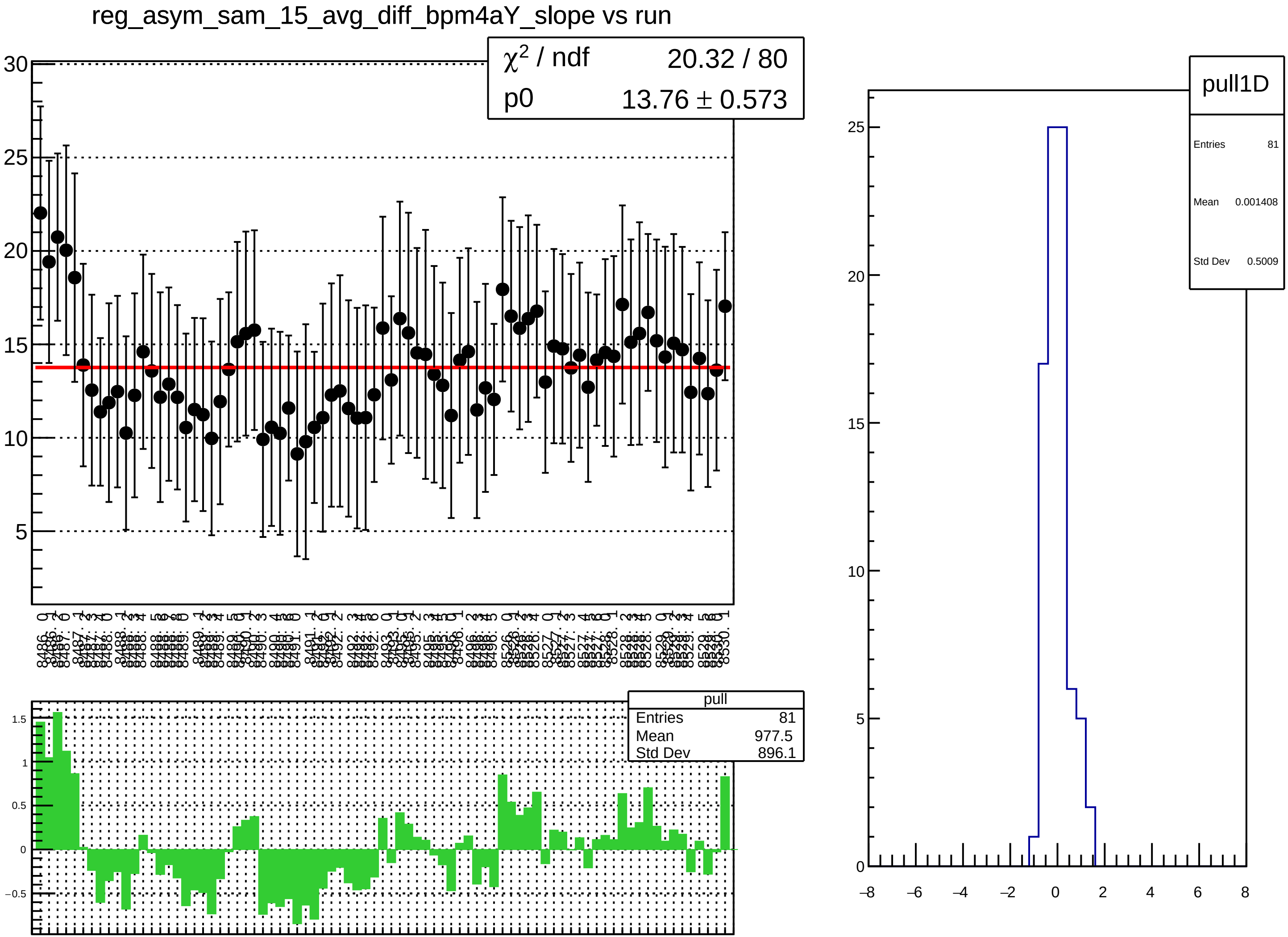


reg_asym_right_dd_diff_bpm4eY_slope vs run
$\times10^3$
χ^2 / ndf 104.9 / 79
p0 118.2 ± 234.1
1500
1000
500
0
−500
pull
Entries 80
Mean 85.31
Std Dev 44.63
pull1D
Entries 80
Mean −0.1325
Std Dev 1.137

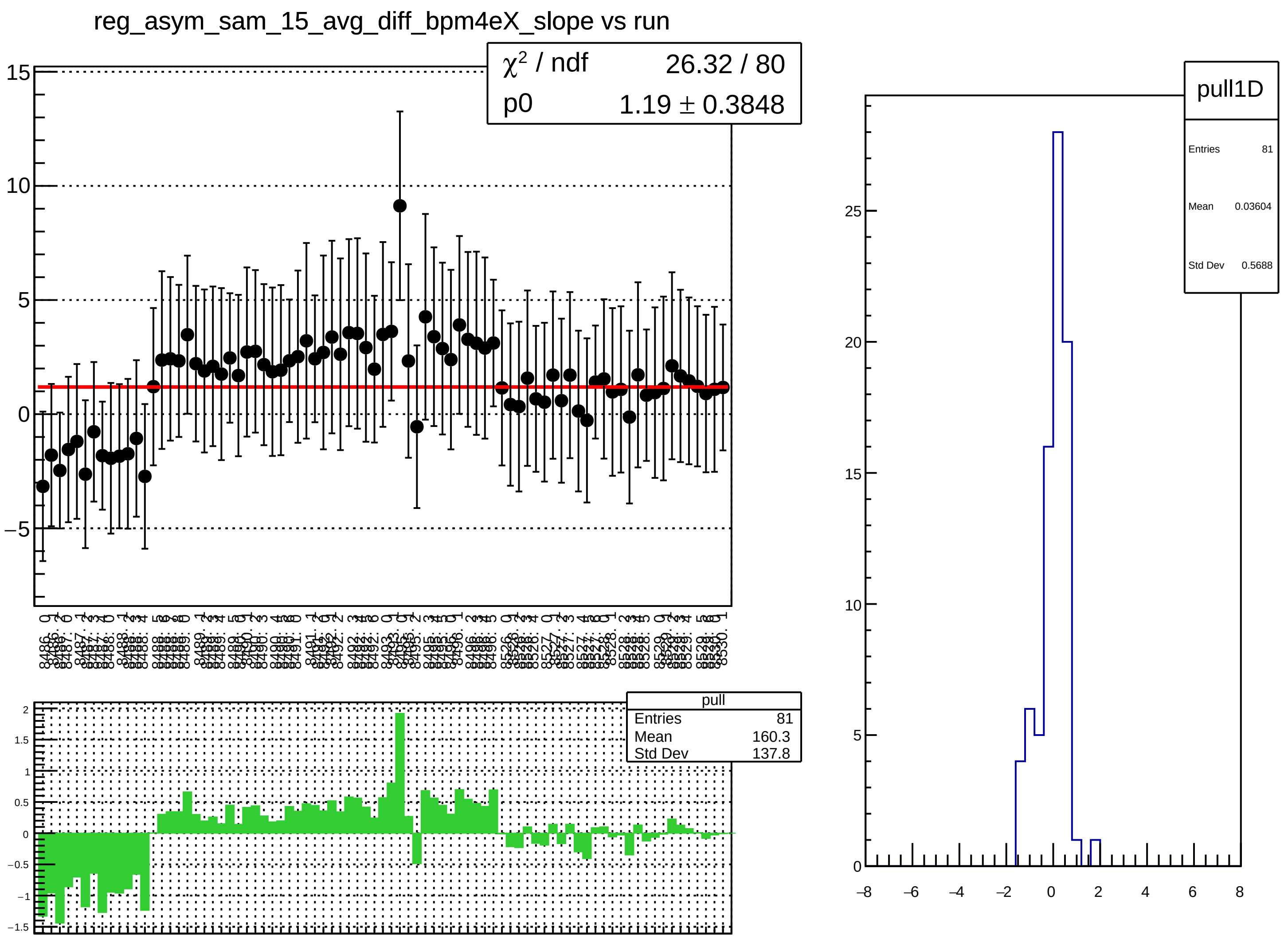


reg_asym_right_dd_diff_bpm12X_slope vs run
$\times10^3$
χ^2 / ndf 86.94 / 80
p0 −11.86 ± 13.63
pull
Entries 81
Mean −12.72
Std Dev 57.6
pull1D
Entries 81
Mean −0.09208
Std Dev 1.032

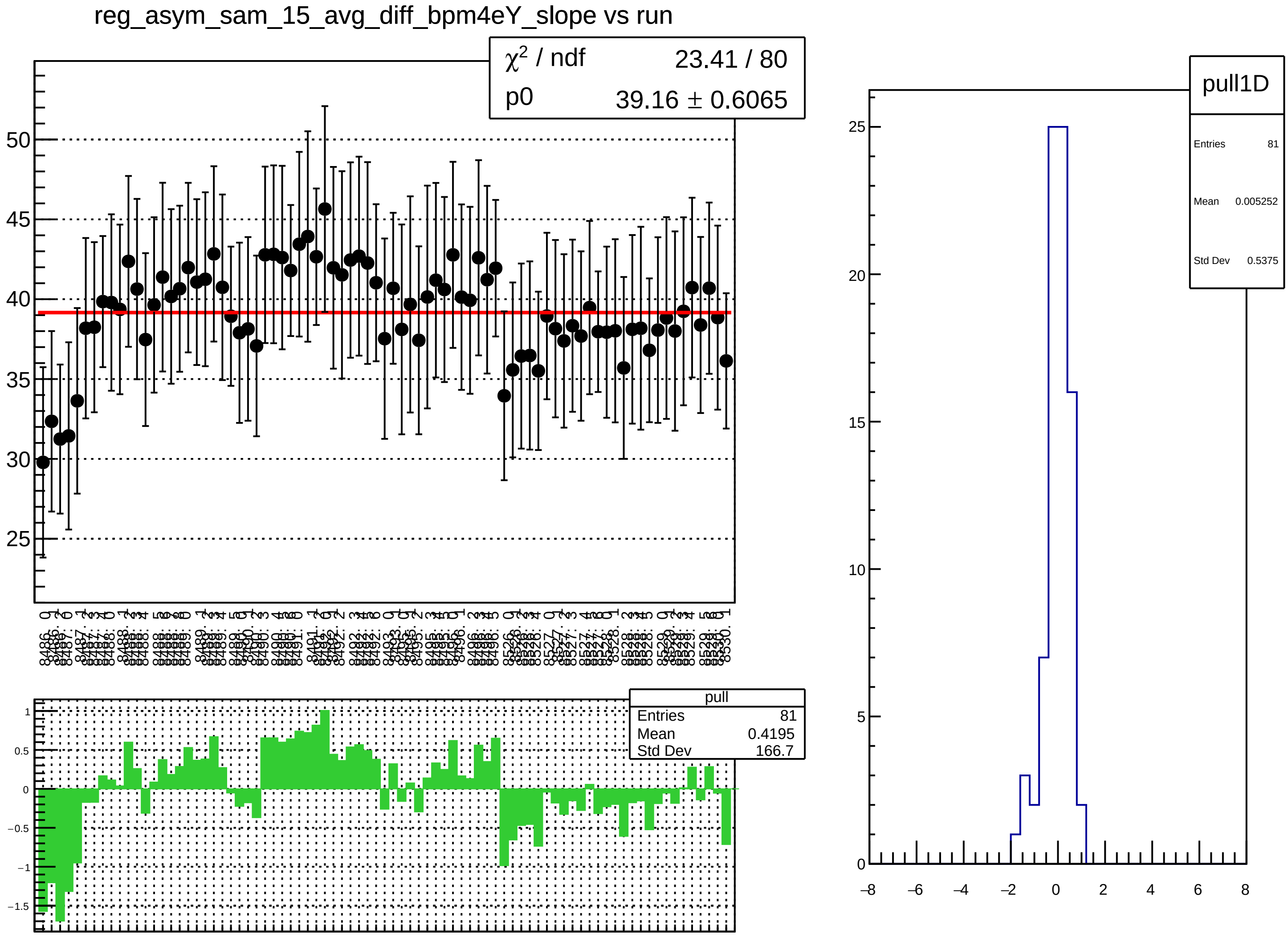

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.91 / 80
p0 −3.499 ± 0.3565
pull
Entries 81
Mean 121.5
Std Dev 102.2
pull1D
Entries 81
Mean −0.04115
Std Dev 0.553

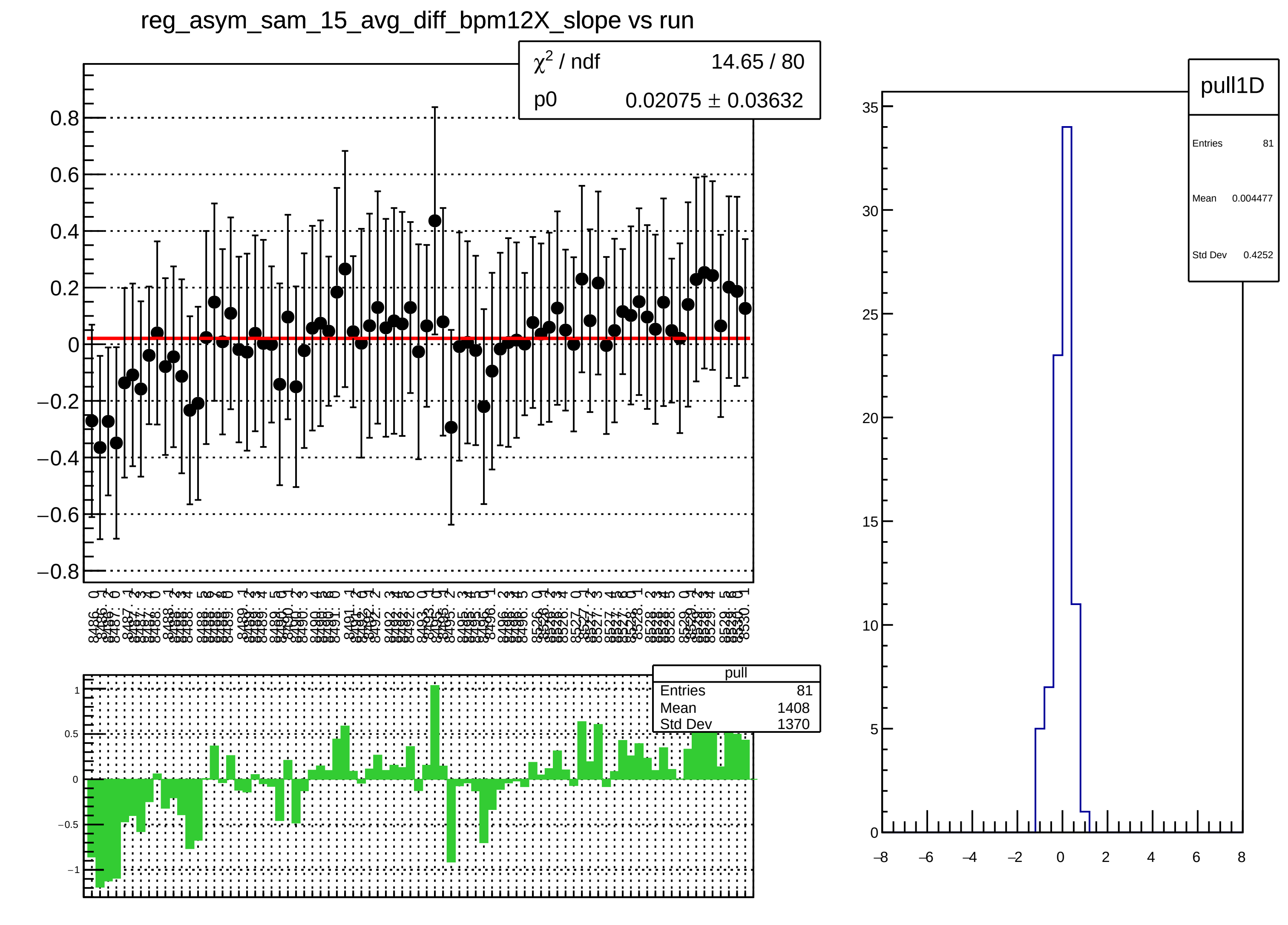


reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 20.32 / 80
p0 13.76 ± 0.573
pull
Entries 81
Mean 977.5
Std Dev 896.1
pull1D
Entries 81
Mean 0.001408
Std Dev 0.5009

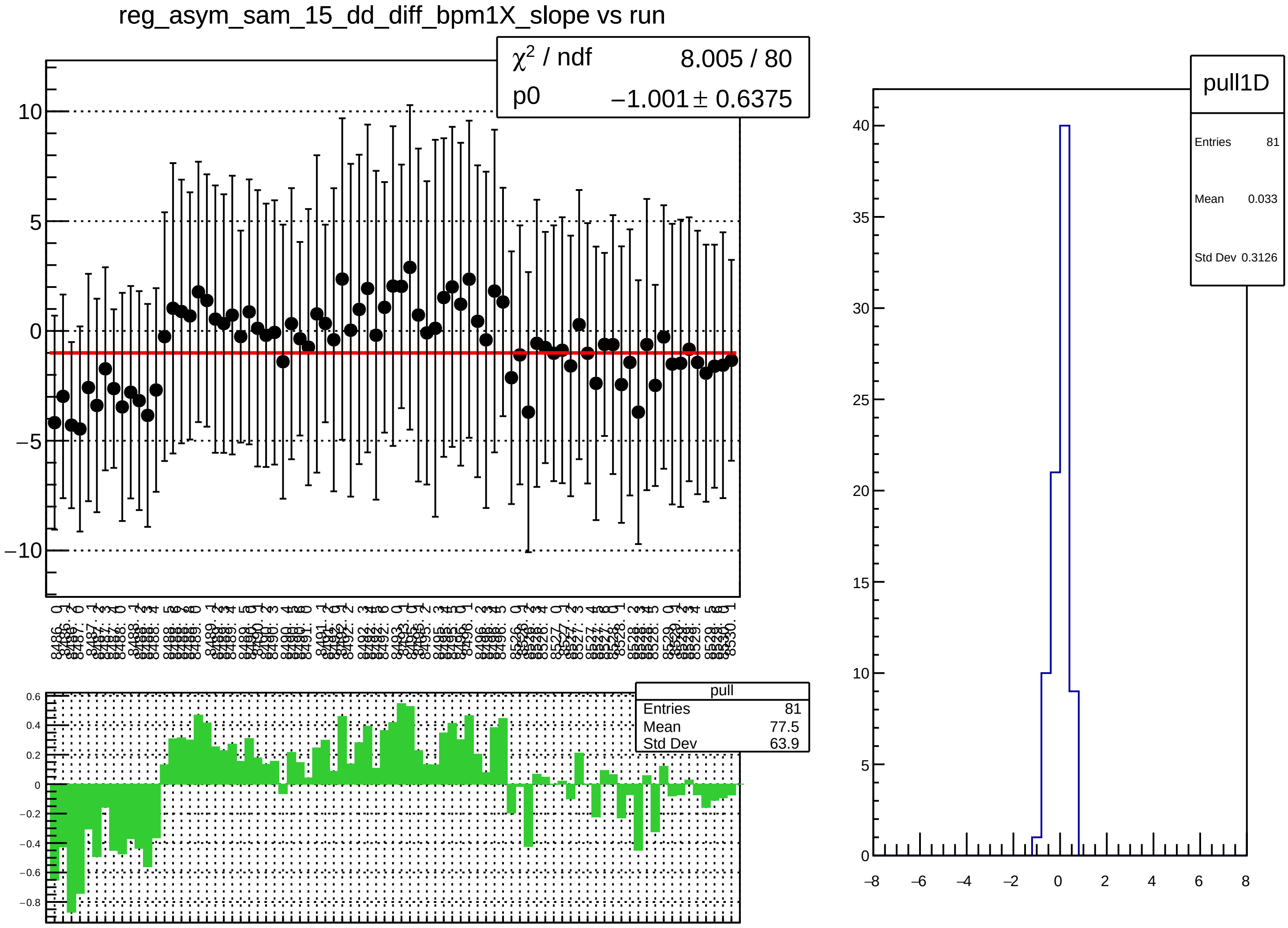


reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 26.32 / 80
p0 1.19 ± 0.3848
pull
Entries 81
Mean 160.3
Std Dev 137.8
pull1D
Entries 81
Mean 0.03604
Std Dev 0.5688

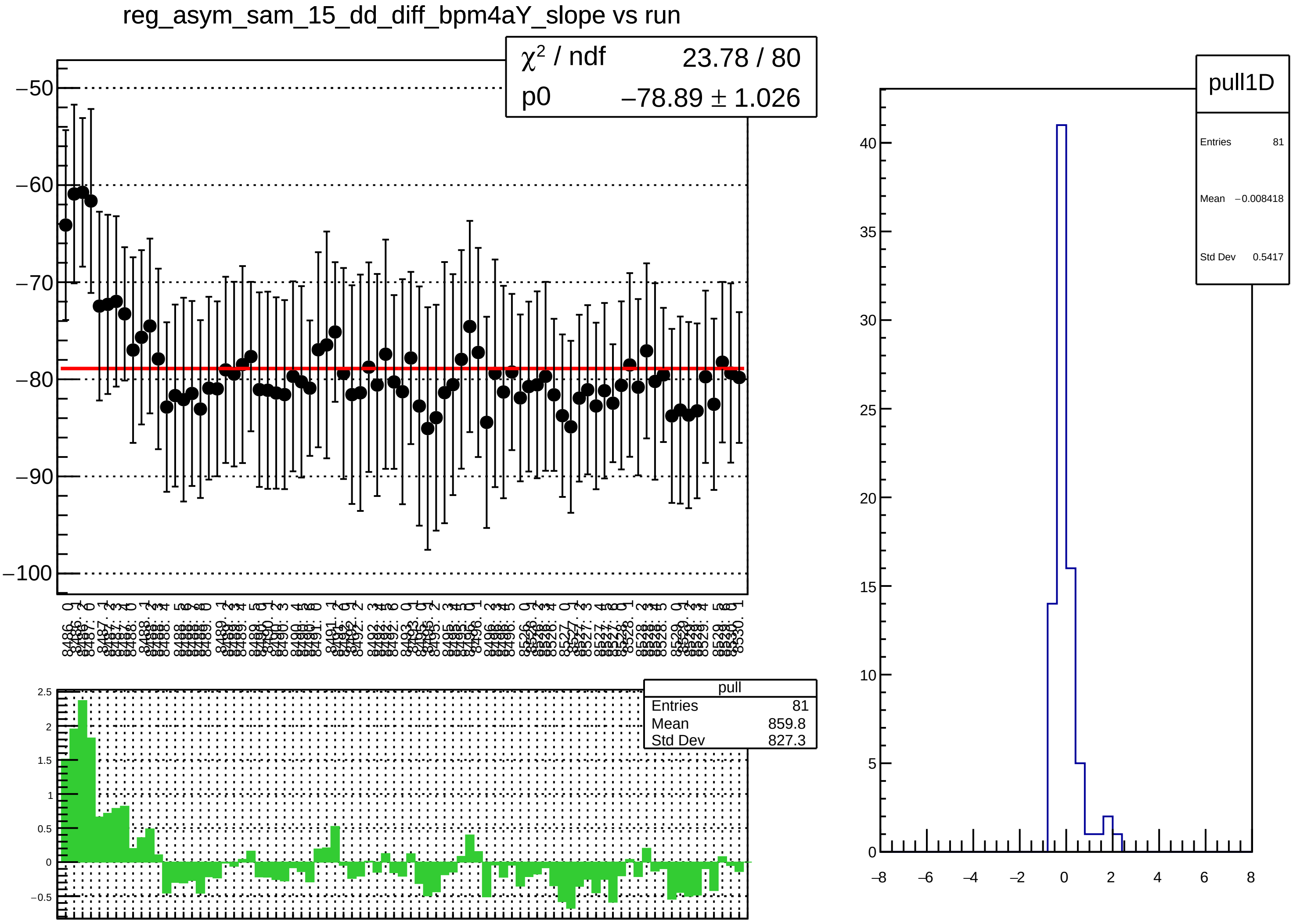

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.41 / 80
p0 39.16 ± 0.6065
pull
Entries 81
Mean 0.4195
Std Dev 166.7
pull1D
Entries 81
Mean 0.005252
Std Dev 0.5375



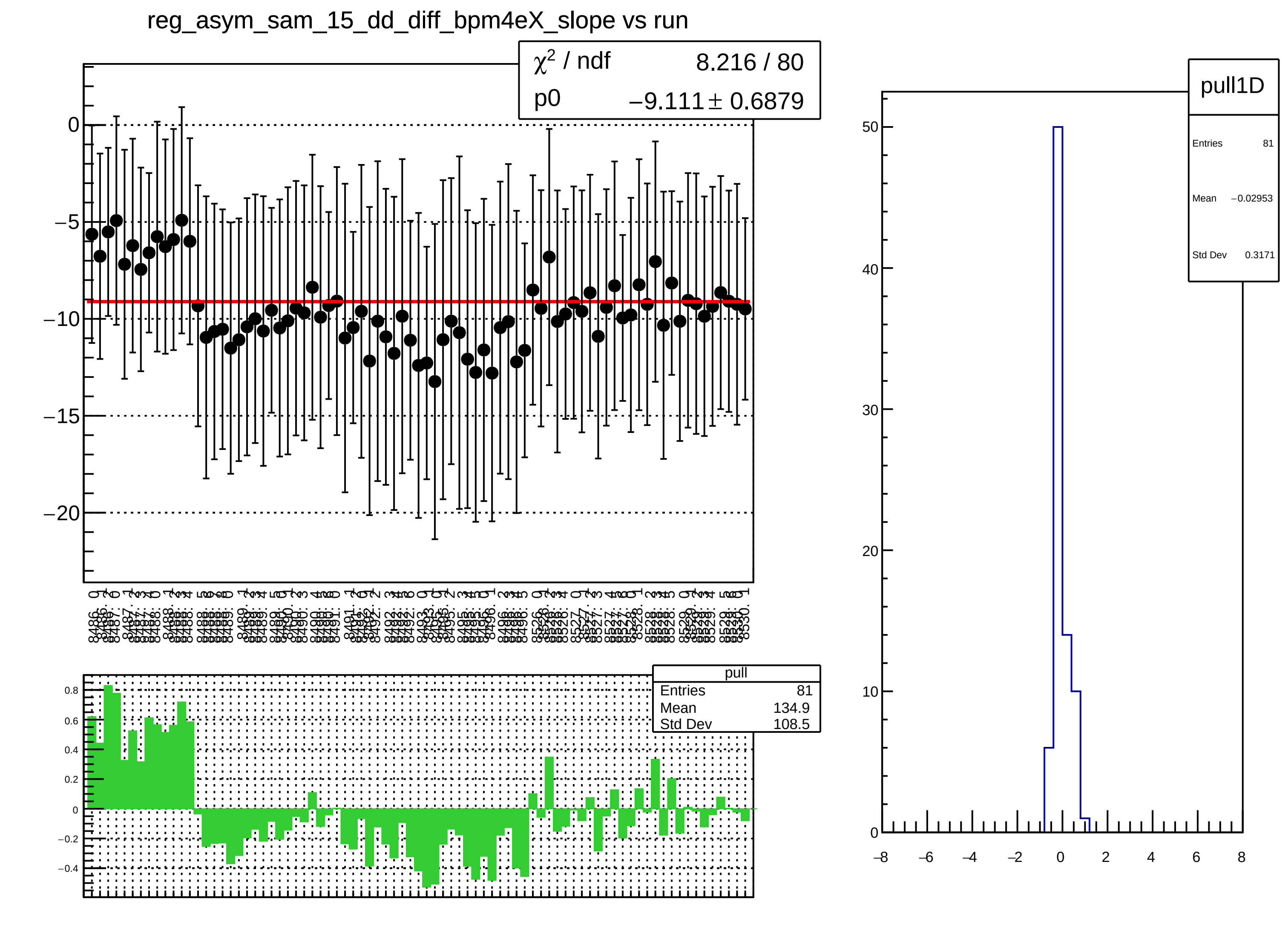
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 14.65 / 80
p0 0.02075 ± 0.03632
pull
Entries 81
Mean 1408
Std Dev 1370
pull1D
Entries 81
Mean 0.004477
Std Dev 0.4252



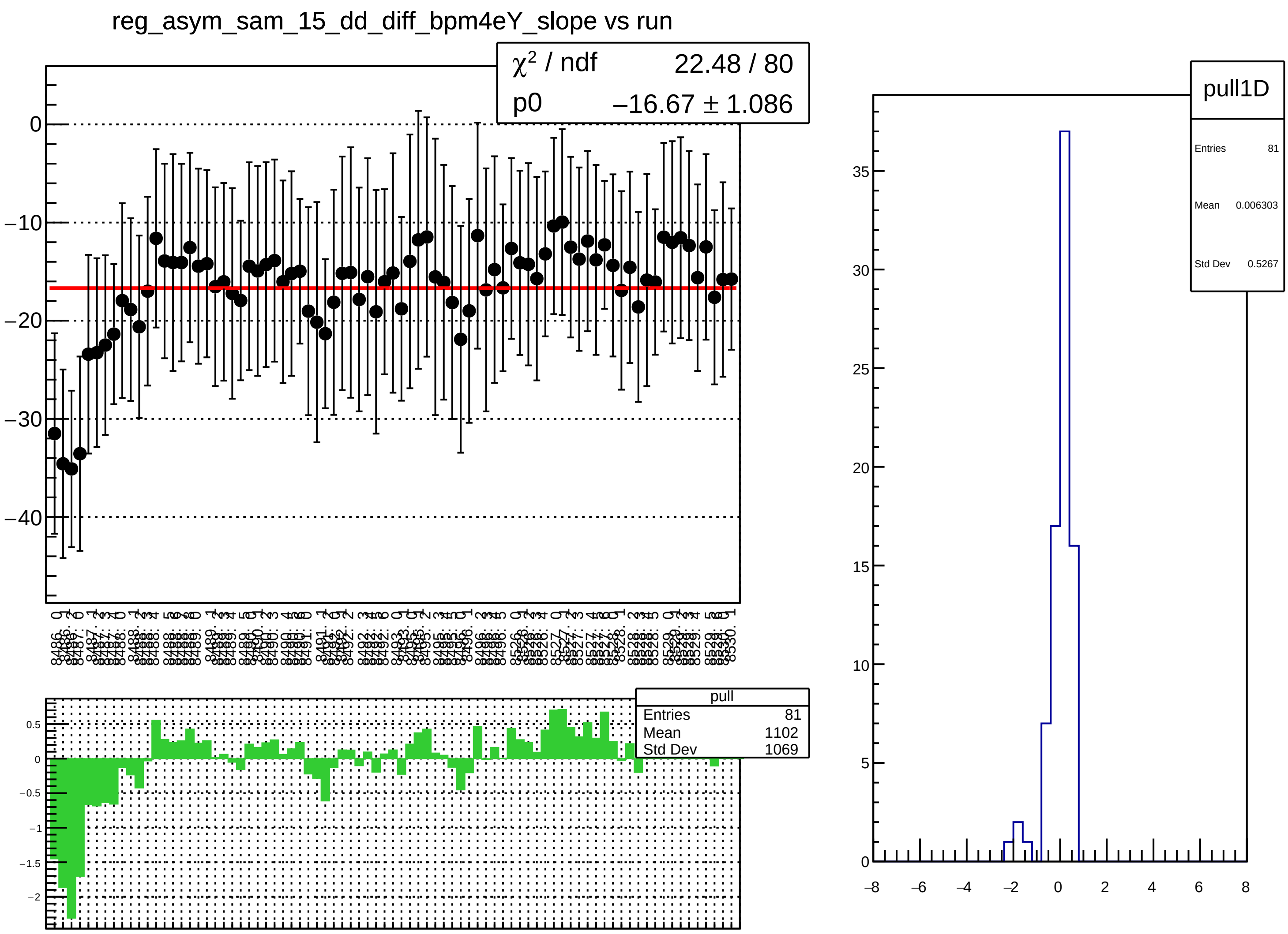
reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.005 / 80
p0 −1.001 ± 0.6375
pull
Entries 81
Mean 77.5
Std Dev 63.9
pull1D
Entries 81
Mean 0.033
Std Dev 0.3126



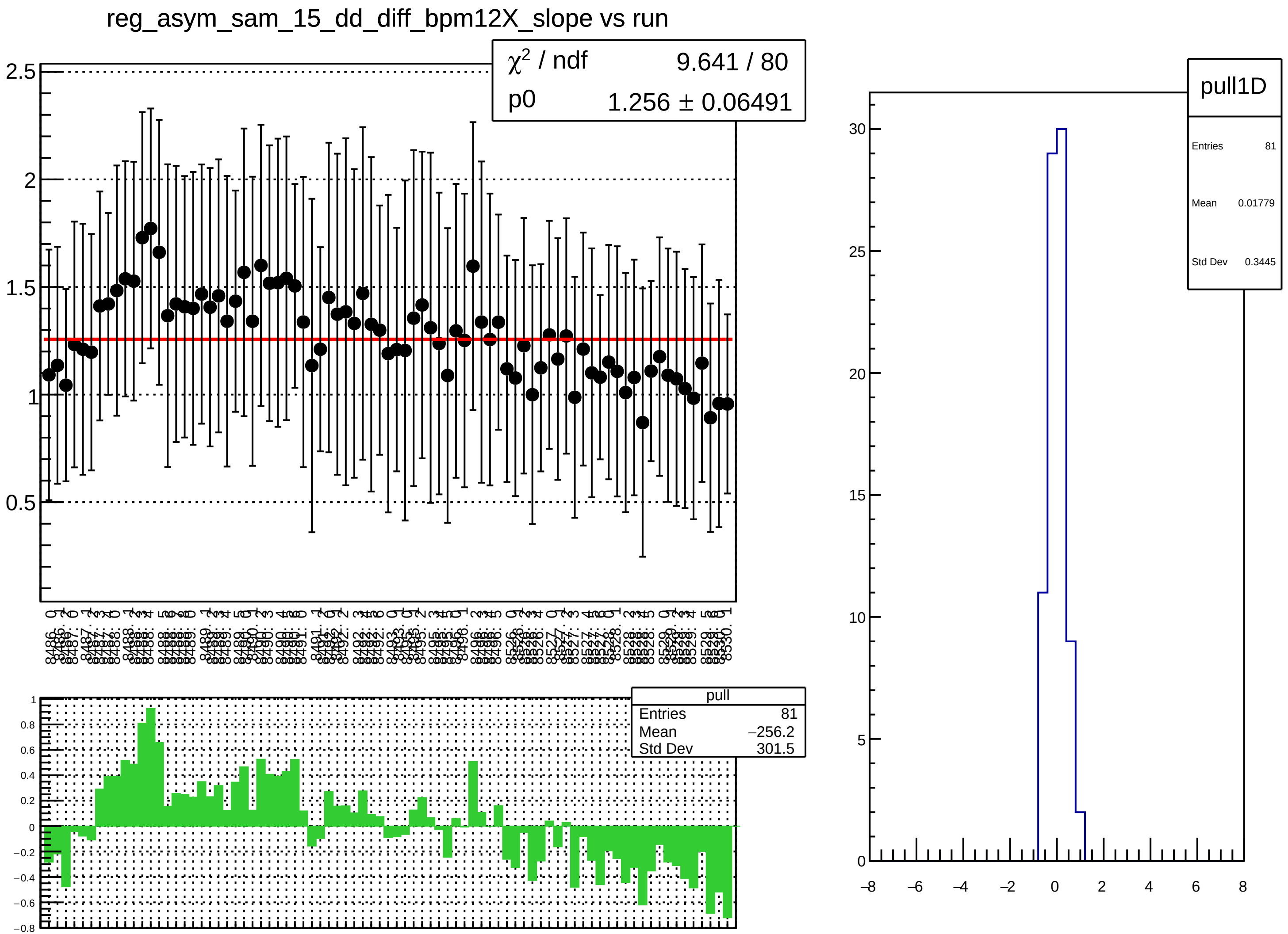
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 23.78 / 80
p0 −78.89 ± 1.026
pull
Entries 81
Mean 859.8
Std Dev 827.3
pull1D
Entries 81
Mean −0.008418
Std Dev 0.5417



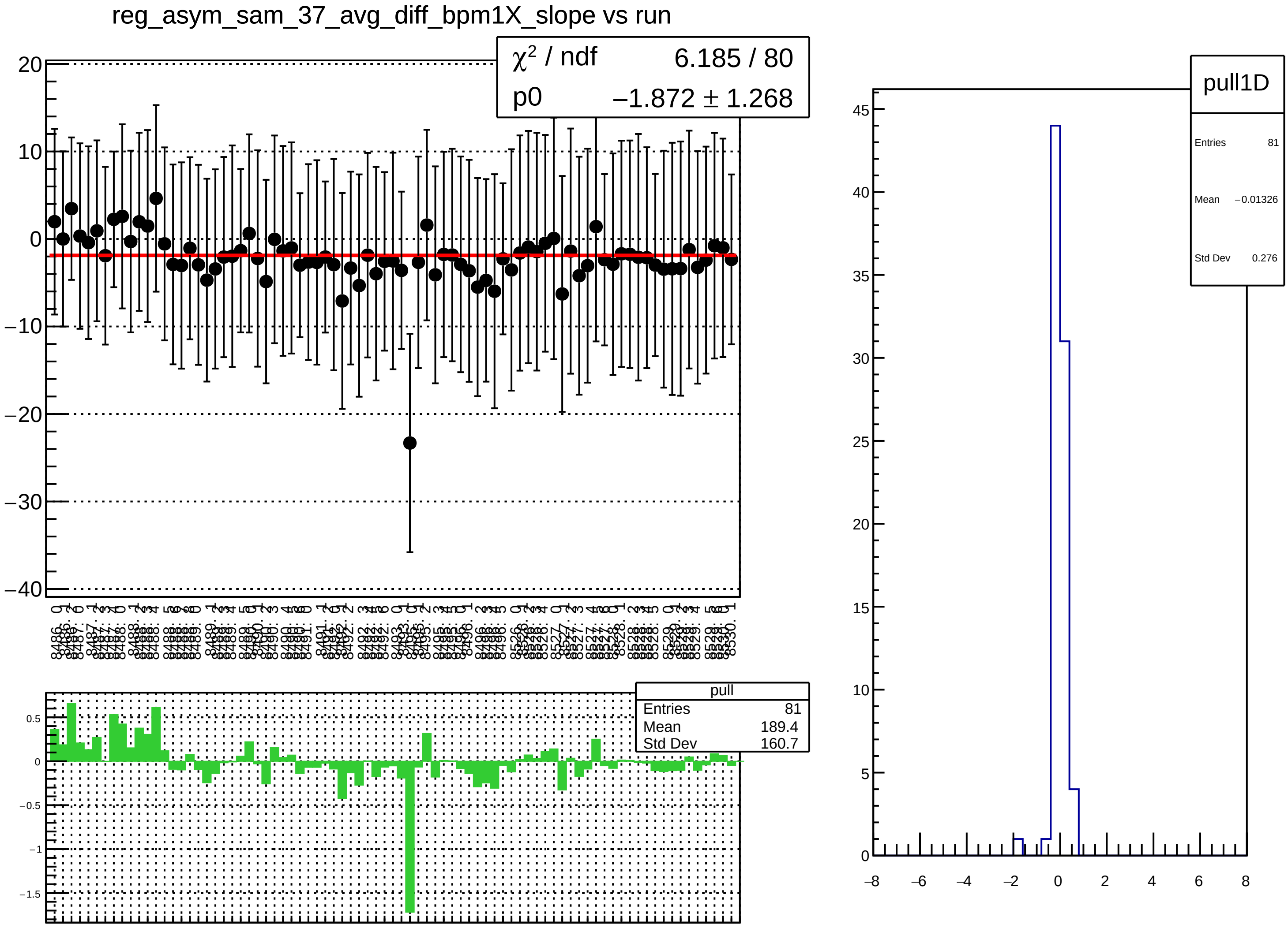
reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.216 / 80
p0 −9.111 ± 0.6879
pull
Entries 81
Mean 134.9
Std Dev 108.5
pull1D
Entries 81
Mean −0.02953
Std Dev 0.3171

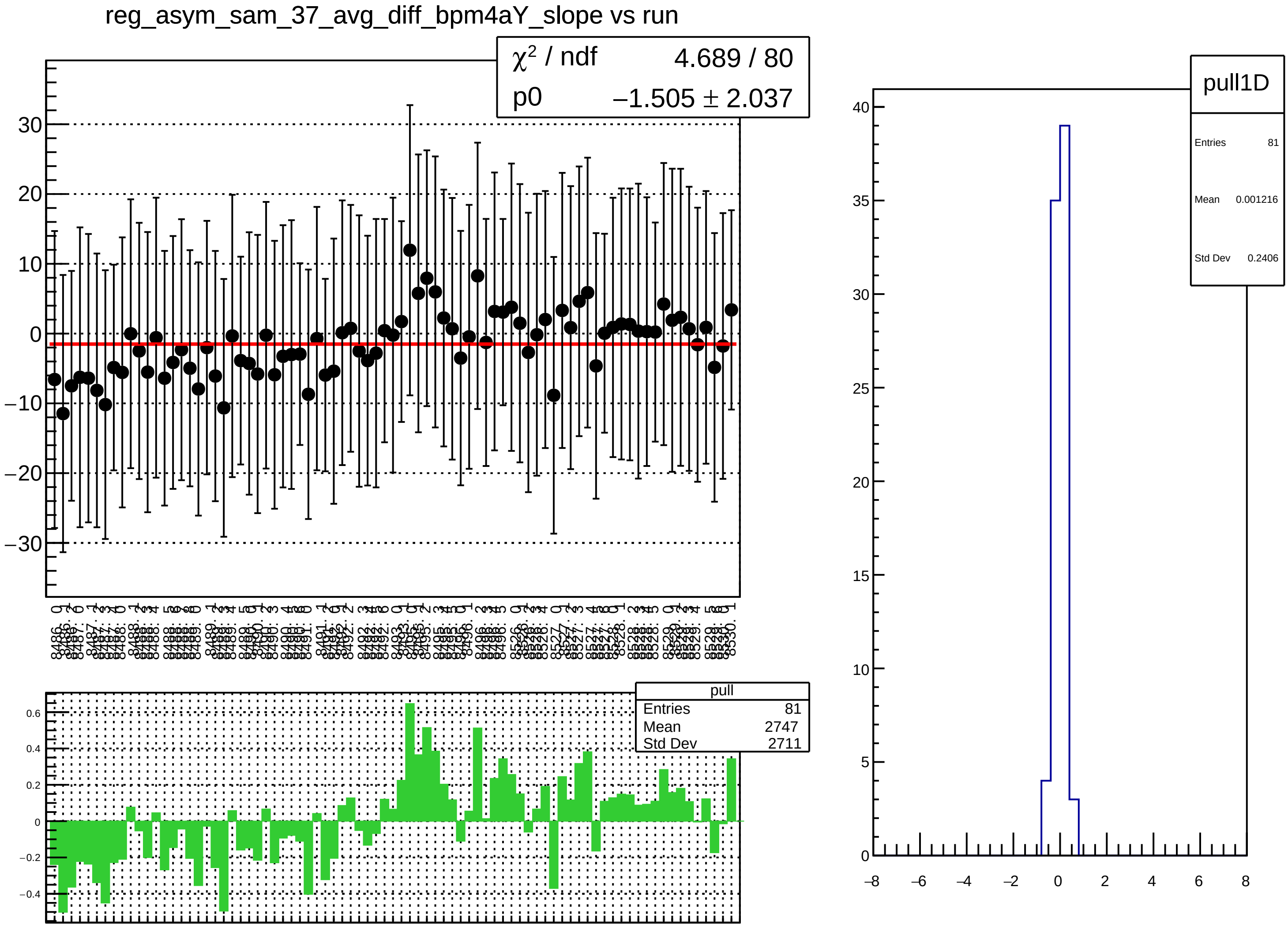


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 22.48 / 80
p0 −16.67 ± 1.086
pull
Entries 81
Mean 1102
Std Dev 1069
pull1D
Entries 81
Mean 0.006303
Std Dev 0.5267



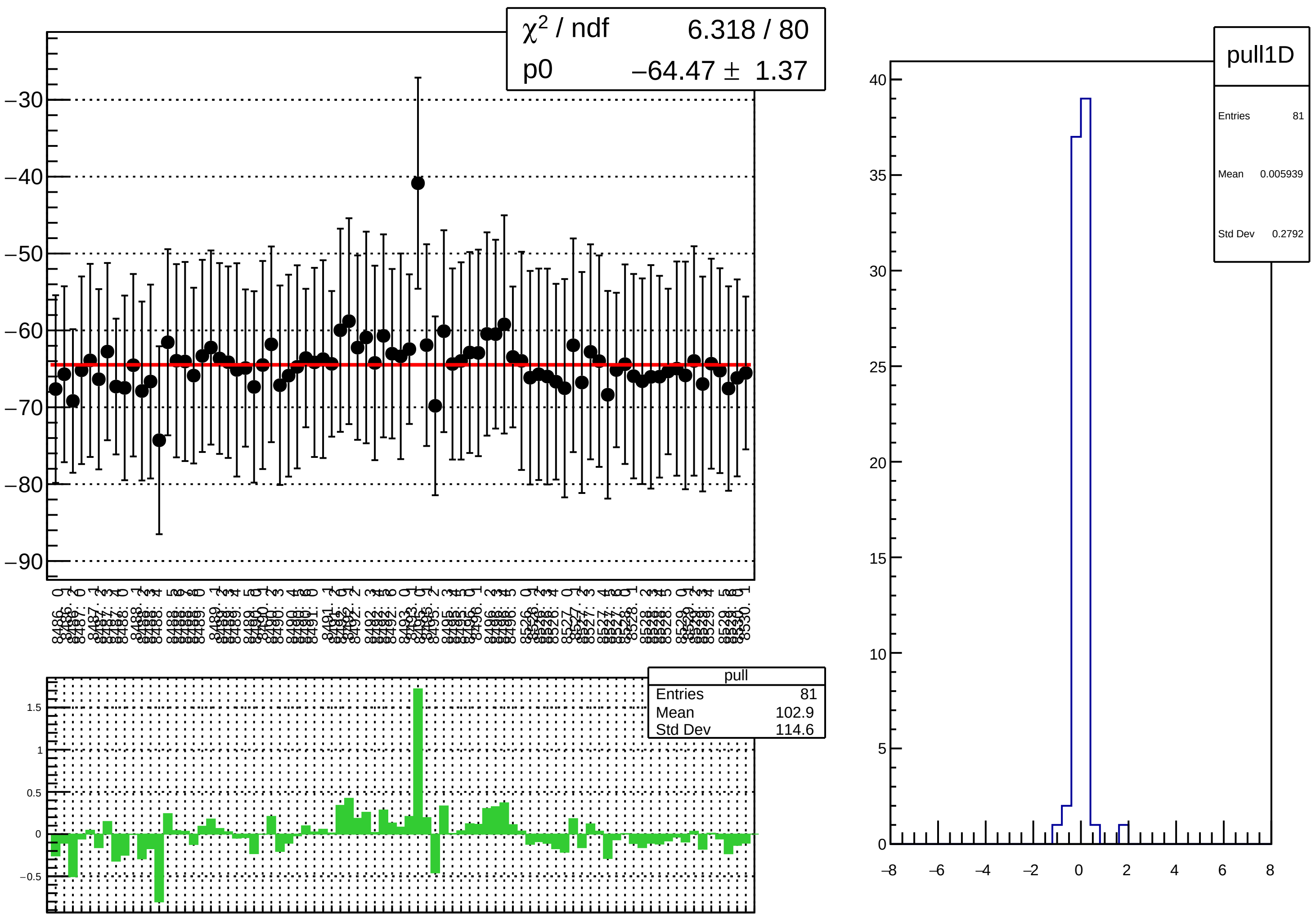
reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.641 / 80
p0 1.256 ± 0.06491
pull
Entries 81
Mean −256.2
Std Dev 301.5
pull1D
Entries 81
Mean 0.01779
Std Dev 0.3445

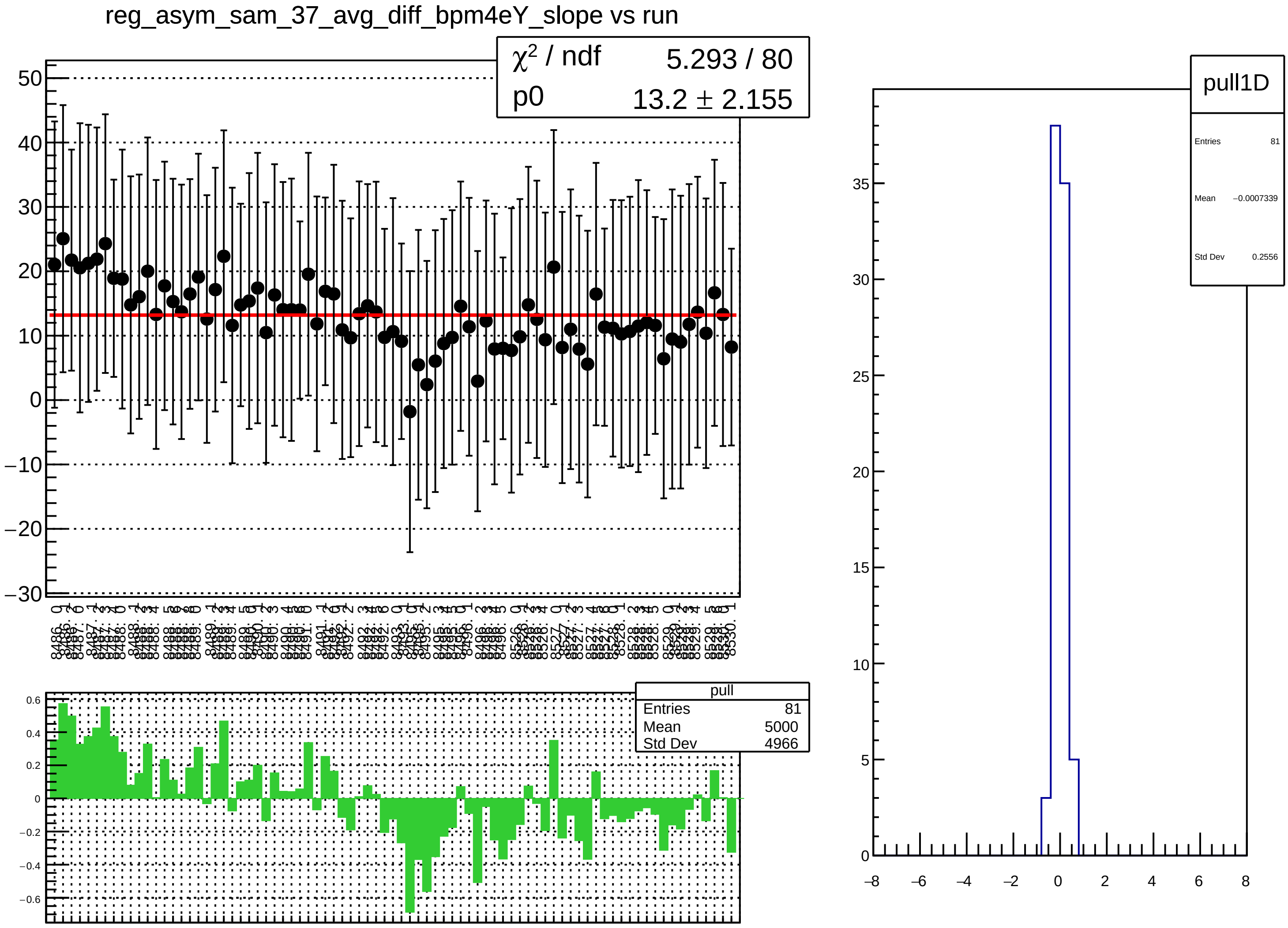

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.185 / 80
p0 −1.872 ± 1.268
pull
Entries 81
Mean 189.4
Std Dev 160.7
pull1D
Entries 81
Mean −0.01326
Std Dev 0.276



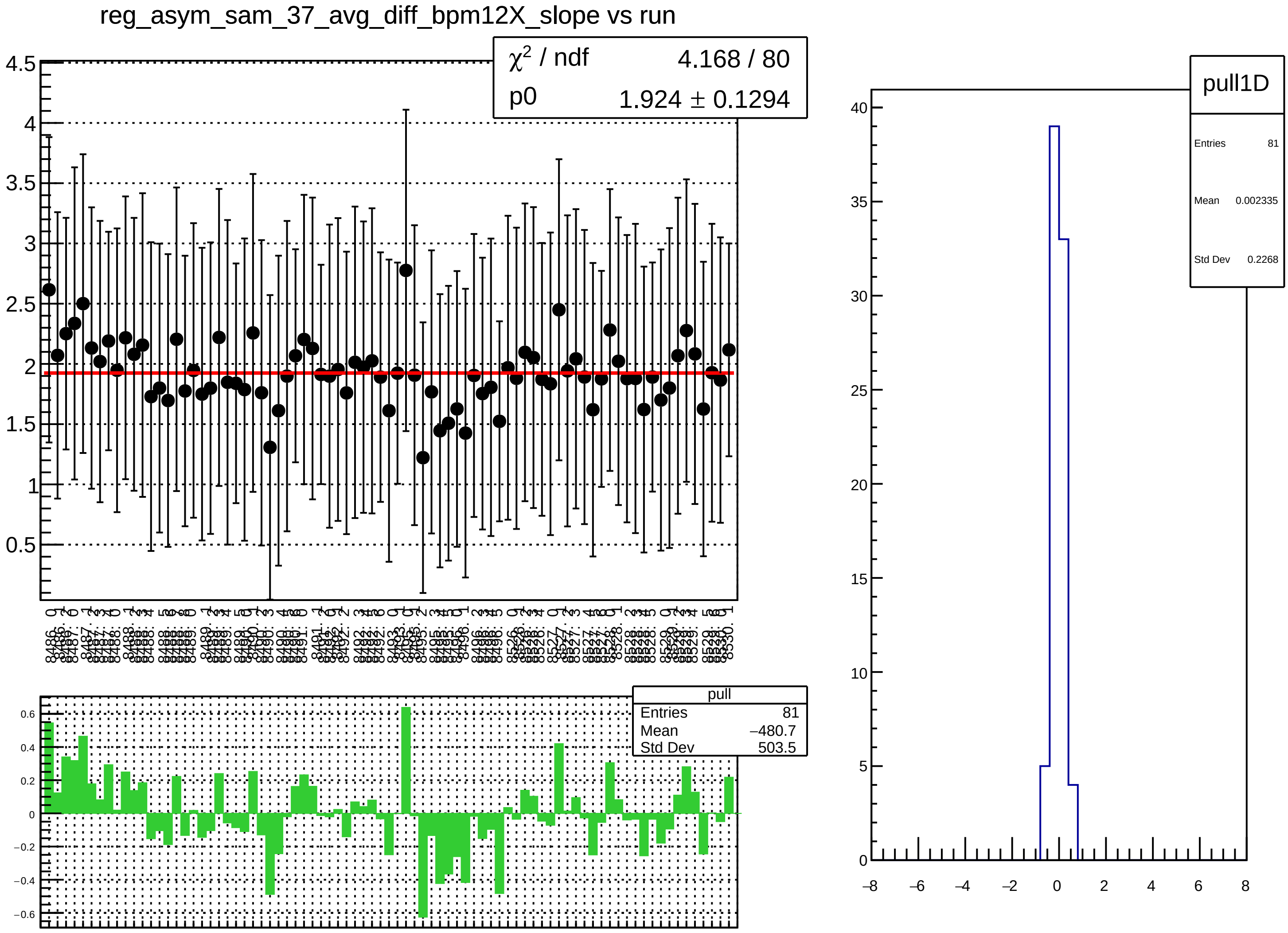
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.689 / 80
p0 −1.505 ± 2.037
pull
Entries 81
Mean 2747
Std Dev 2711
pull1D
Entries 81
Mean 0.001216
Std Dev 0.2406

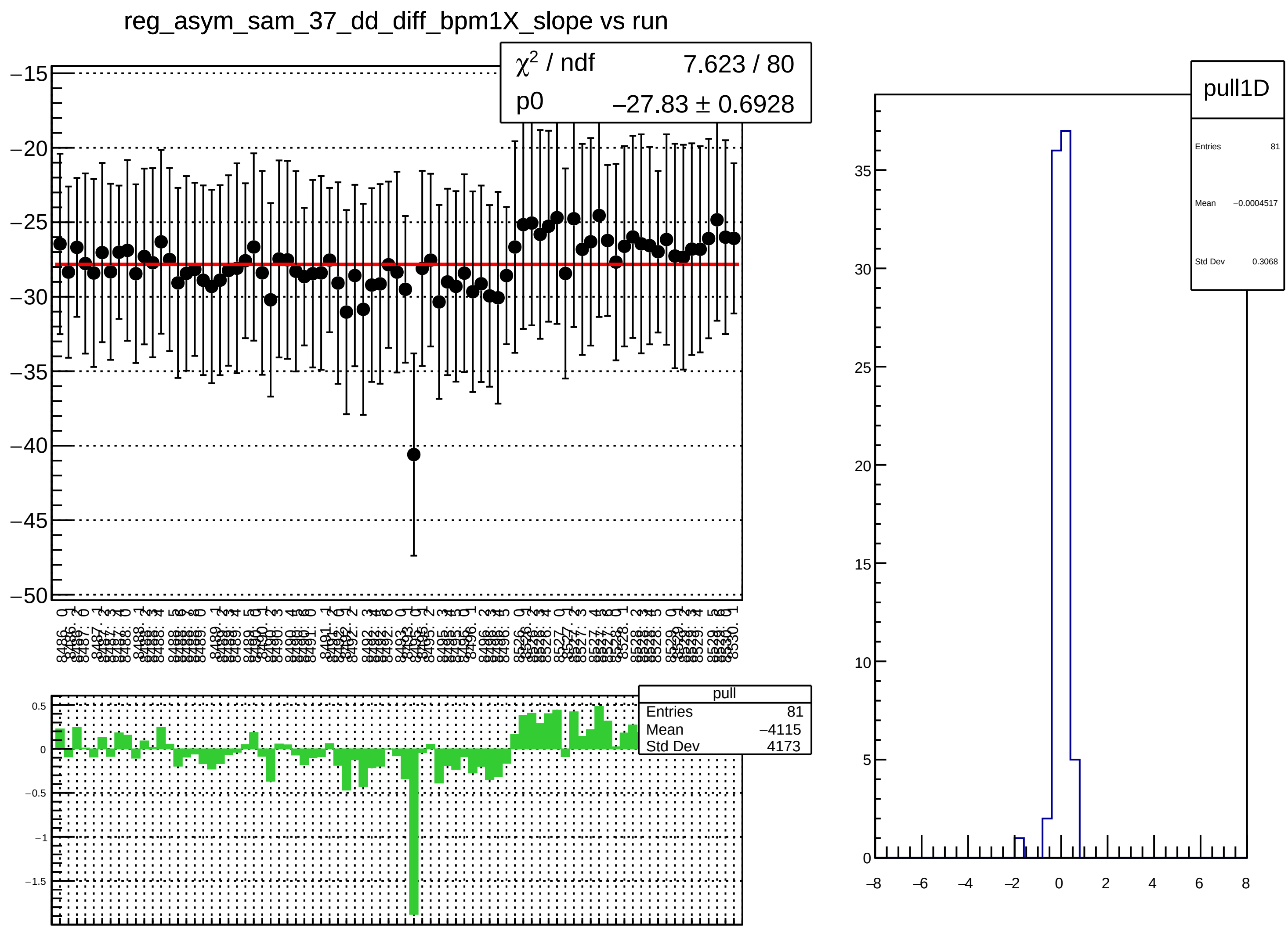
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run



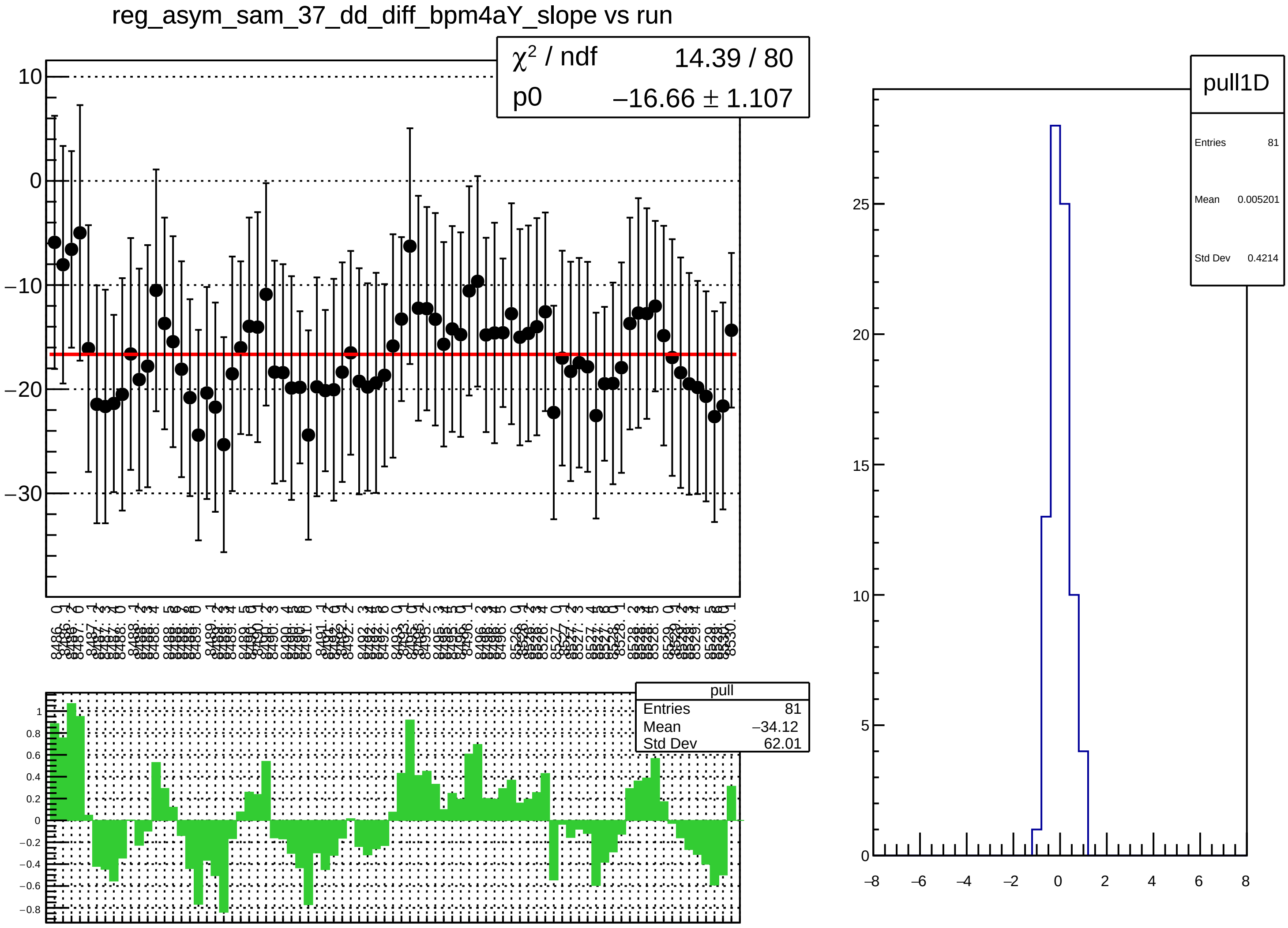


reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ2 / ndf 5.293 / 80
p0 13.2 ± 2.155
pull
Entries 81
Mean 5000
Std Dev 4966
pull1D
Entries 81
Mean −0.0007339
Std Dev 0.2556

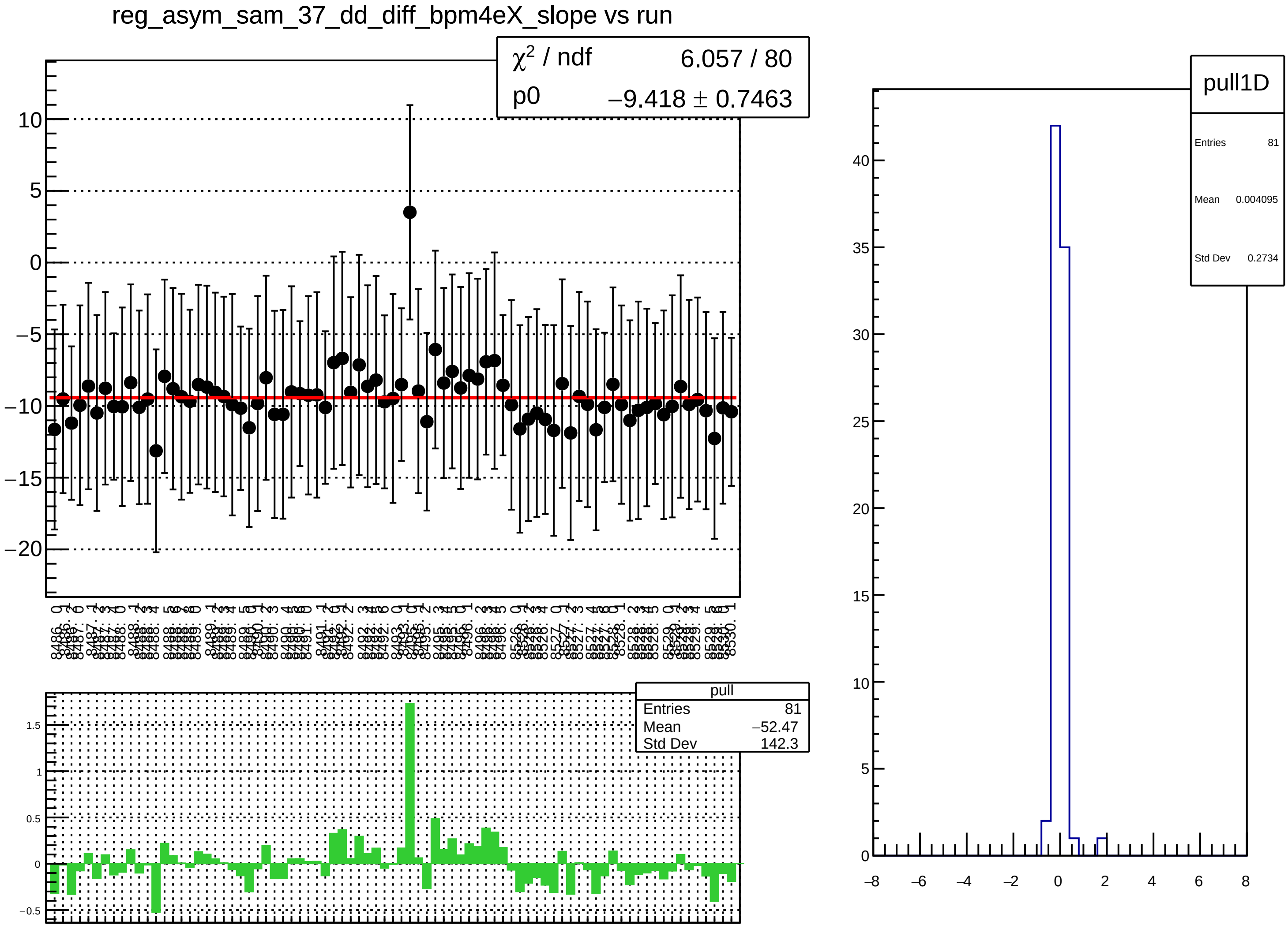

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.168 / 80
p0 1.924 ± 0.1294
pull
Entries 81
Mean −480.7
Std Dev 503.5
pull1D
Entries 81
Mean 0.002335
Std Dev 0.2268



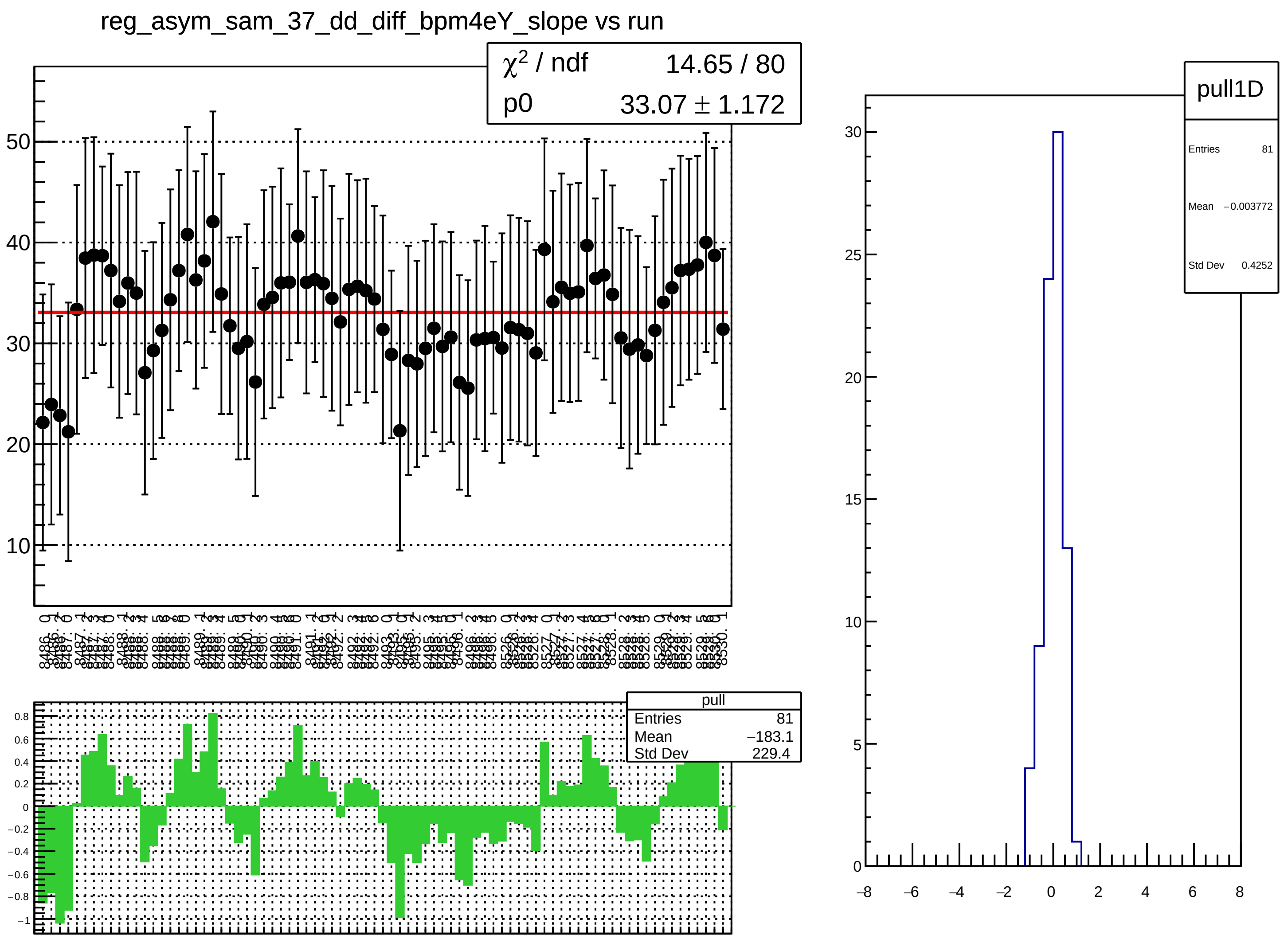
reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 7.623 / 80
p0 −27.83 ± 0.6928
pull
Entries 81
Mean −4115
Std Dev 4173
pull1D
Entries 81
Mean −0.0004517
Std Dev 0.3068



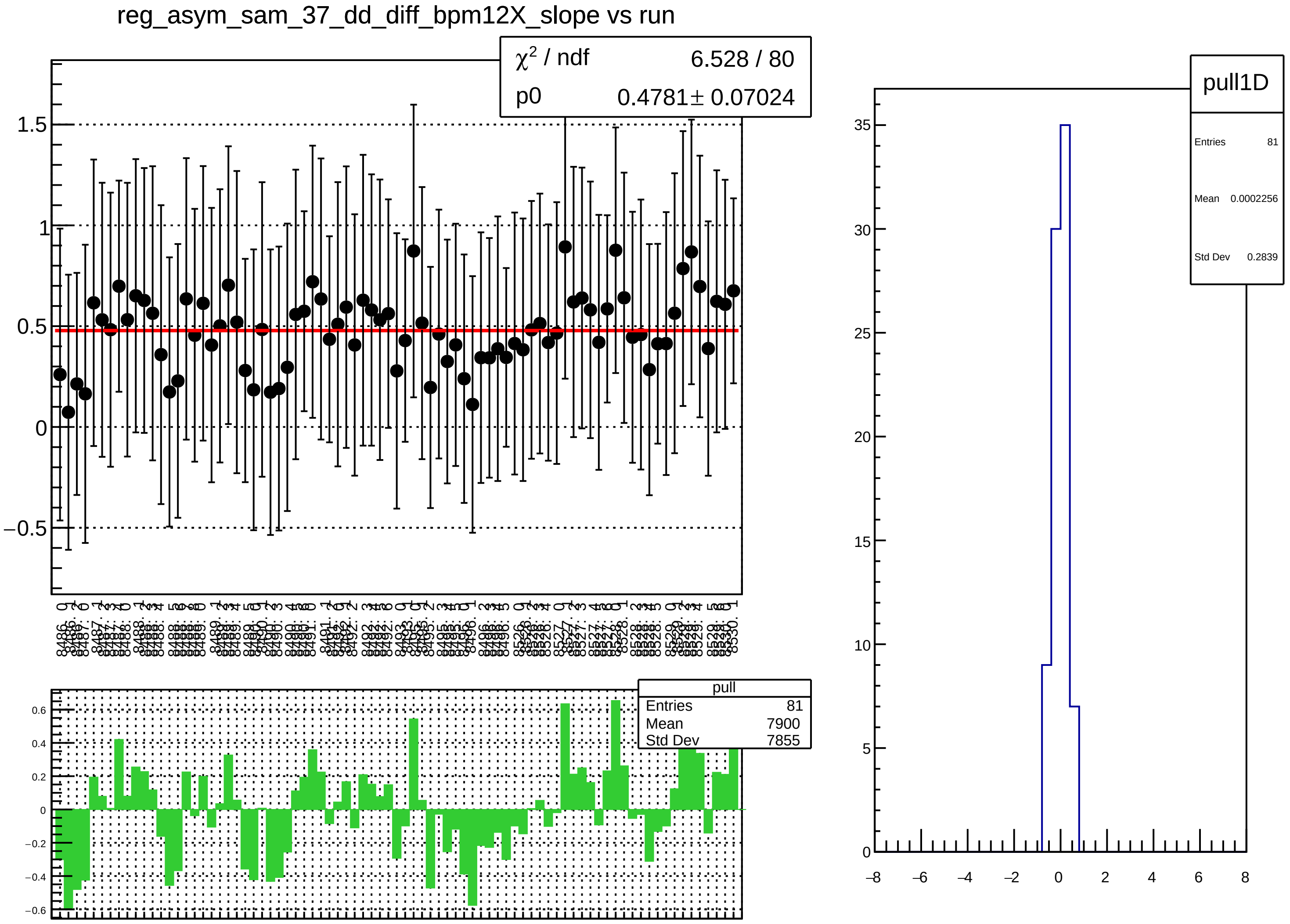
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 14.39 / 80
p0 −16.66 ± 1.107
pull
Entries 81
Mean −34.12
Std Dev 62.01
pull1D
Entries 81
Mean 0.005201
Std Dev 0.4214



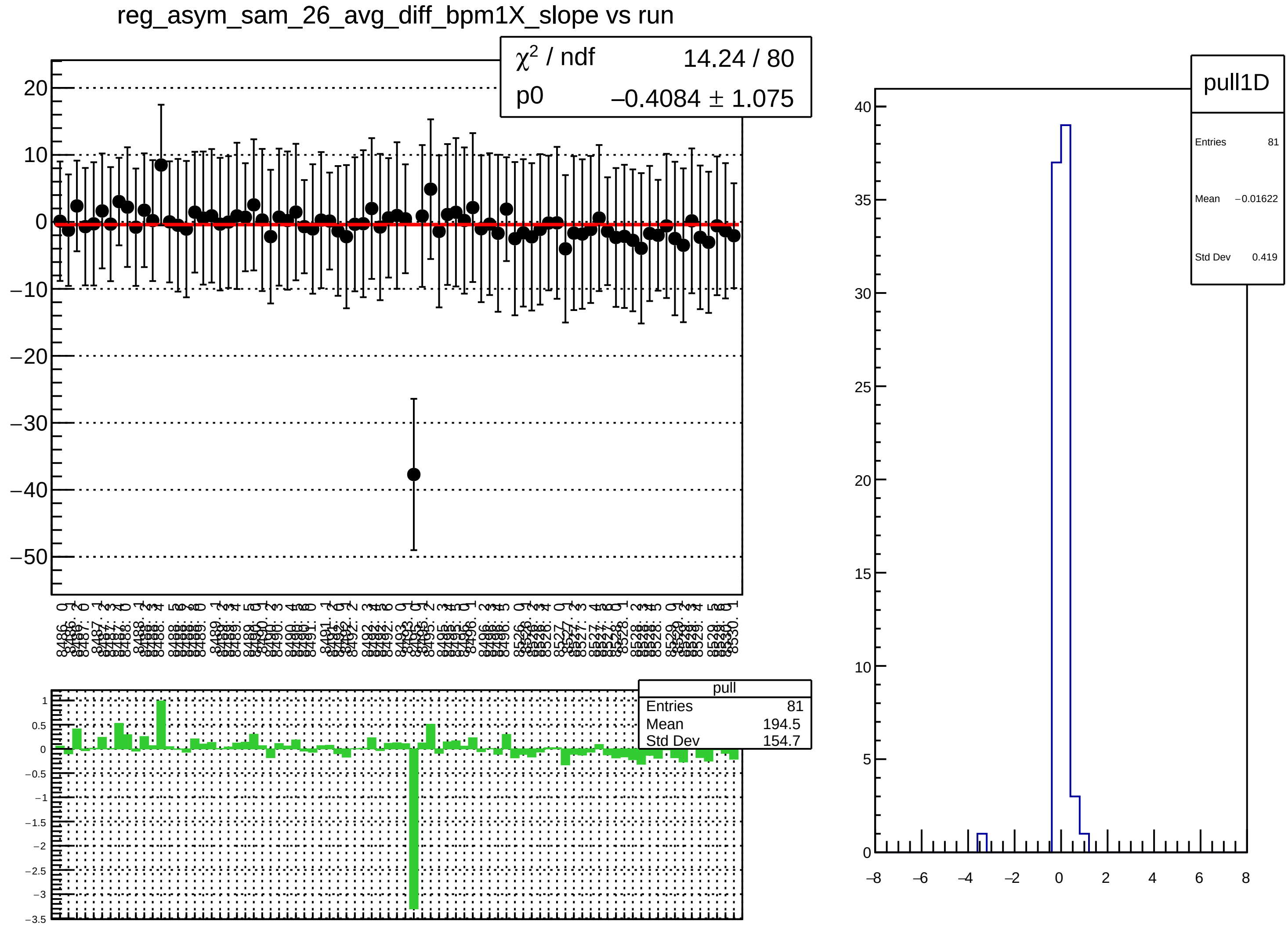
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 6.057 / 80
p0 −9.418 ± 0.7463
pull
Entries 81
Mean −52.47
Std Dev 142.3
pull1D
Entries 81
Mean 0.004095
Std Dev 0.2734



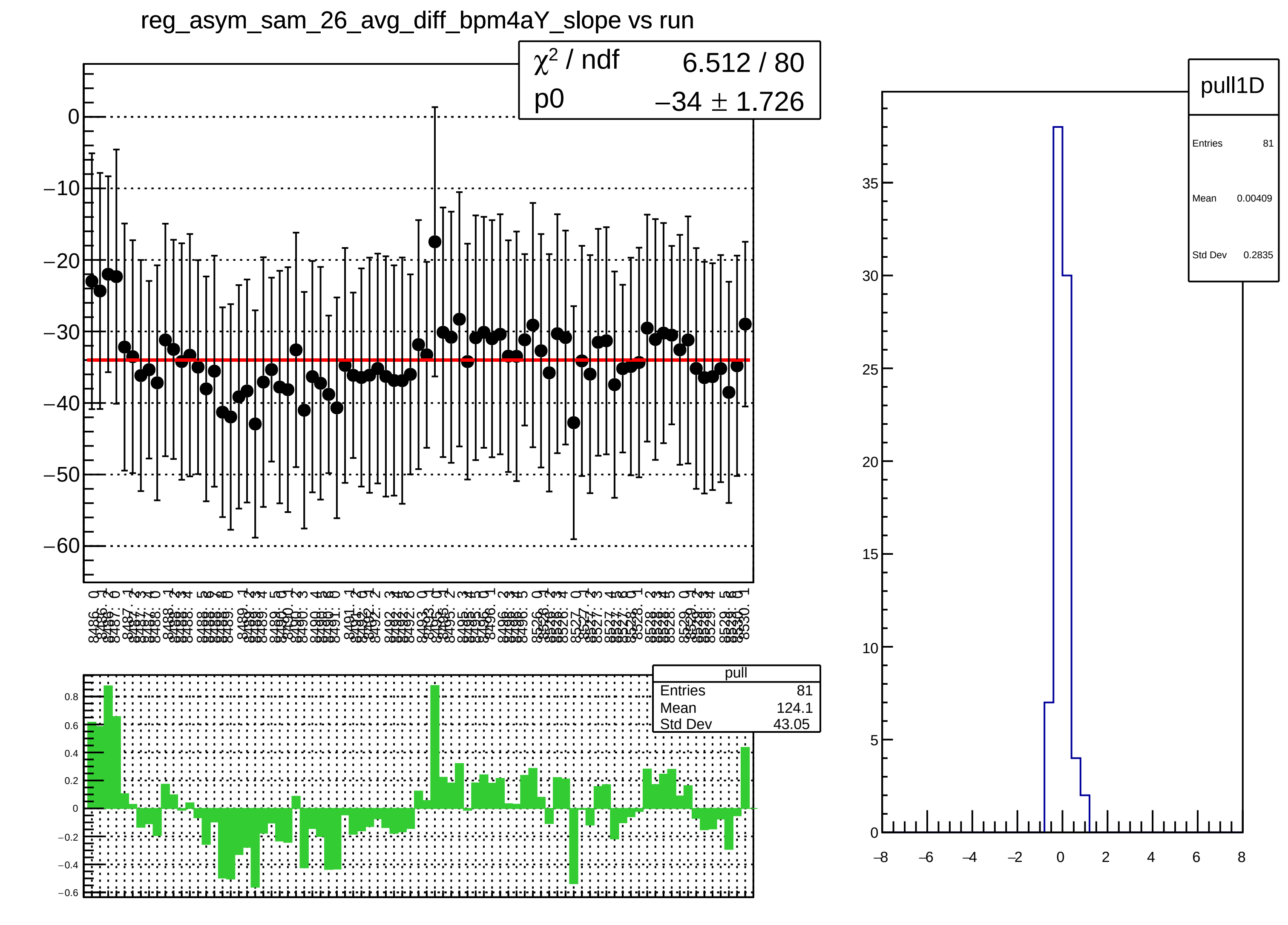
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.65 / 80
p0 33.07 ± 1.172
pull
Entries 81
Mean −183.1
Std Dev 229.4
pull1D
Entries 81
Mean −0.003772
Std Dev 0.4252

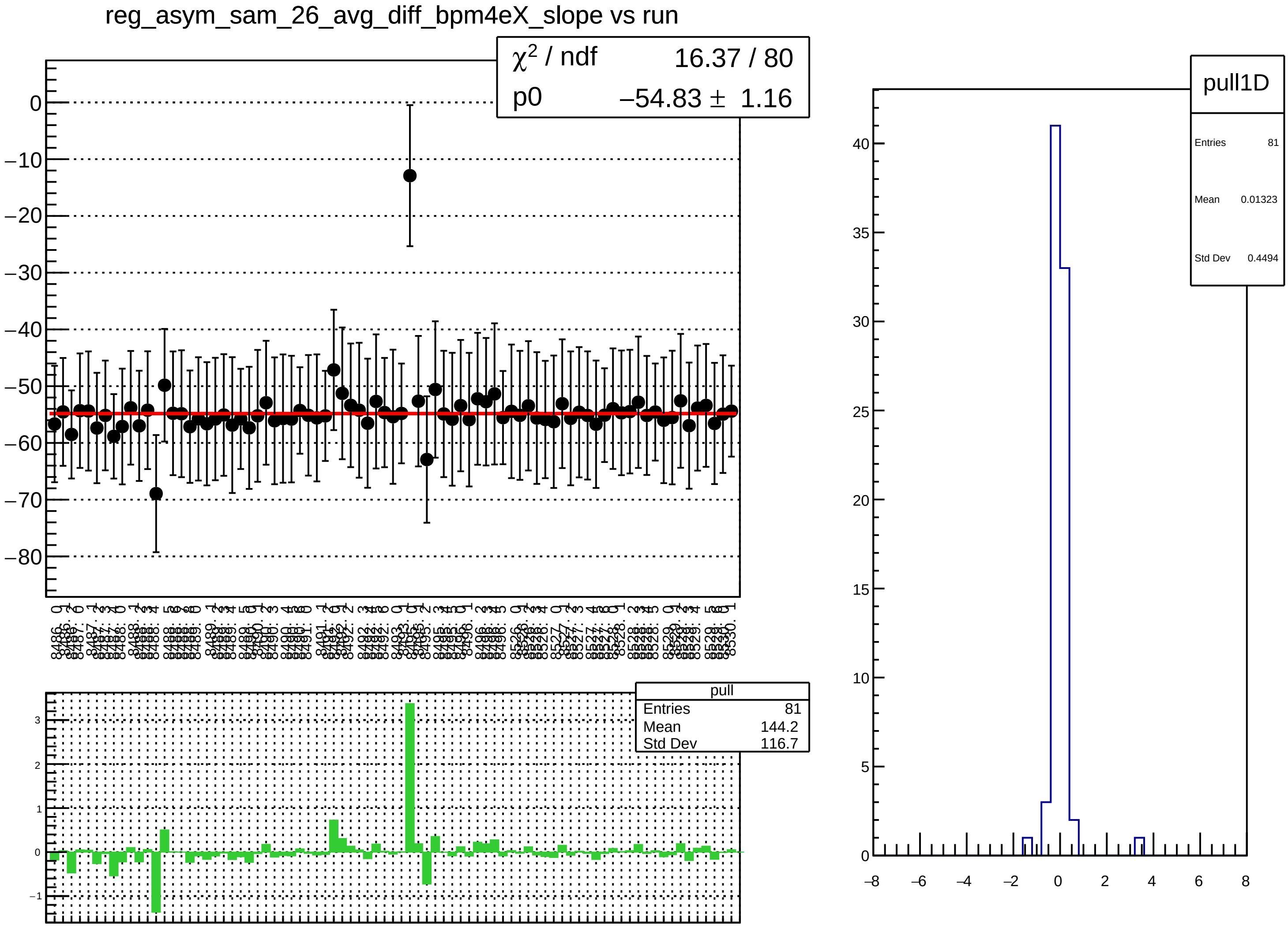


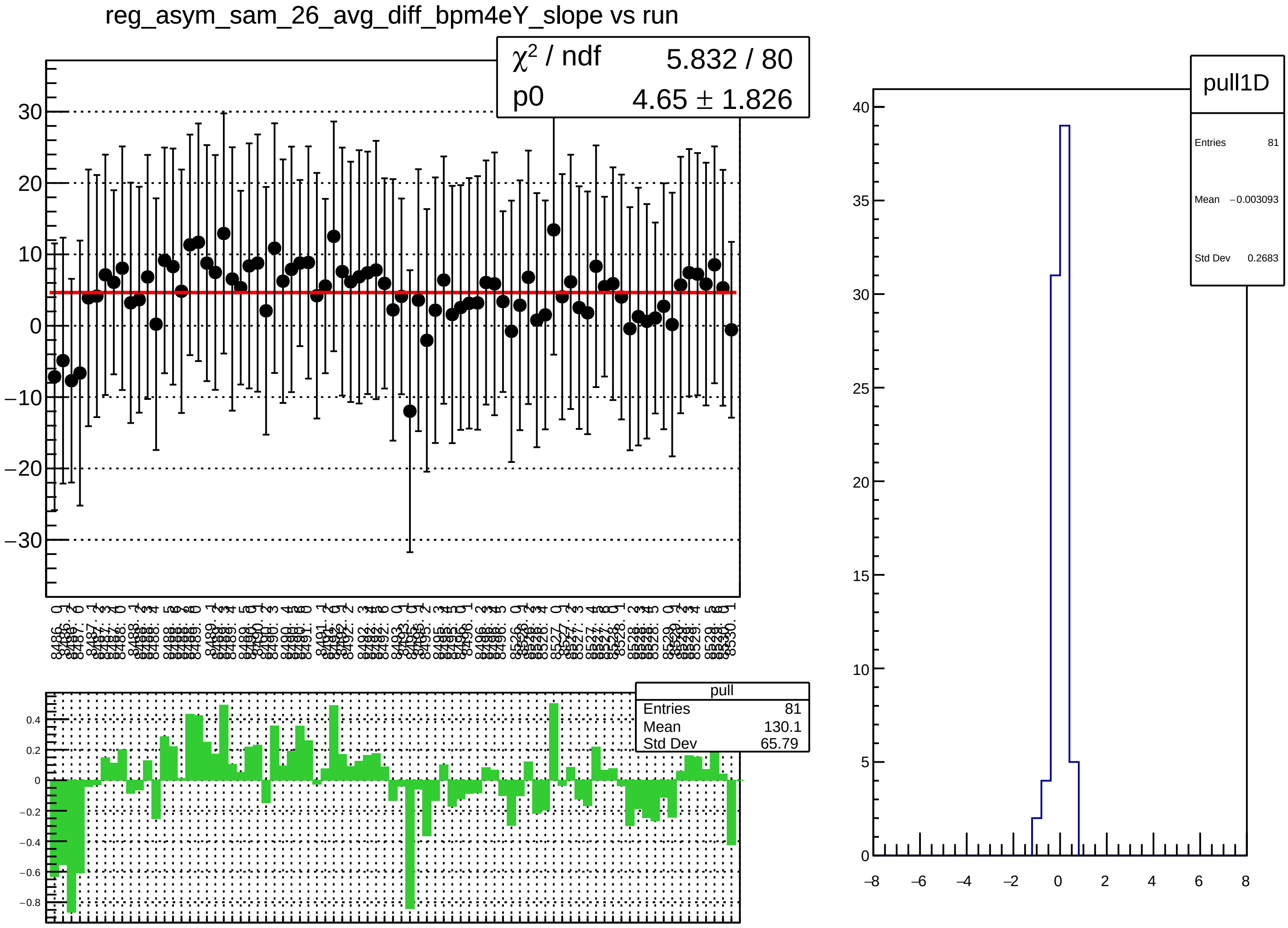
reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.528 / 80
p0 0.4781 ± 0.07024
pull
Entries 81
Mean 7900
Std Dev 7855
pull1D
Entries 81
Mean 0.0002256
Std Dev 0.2839



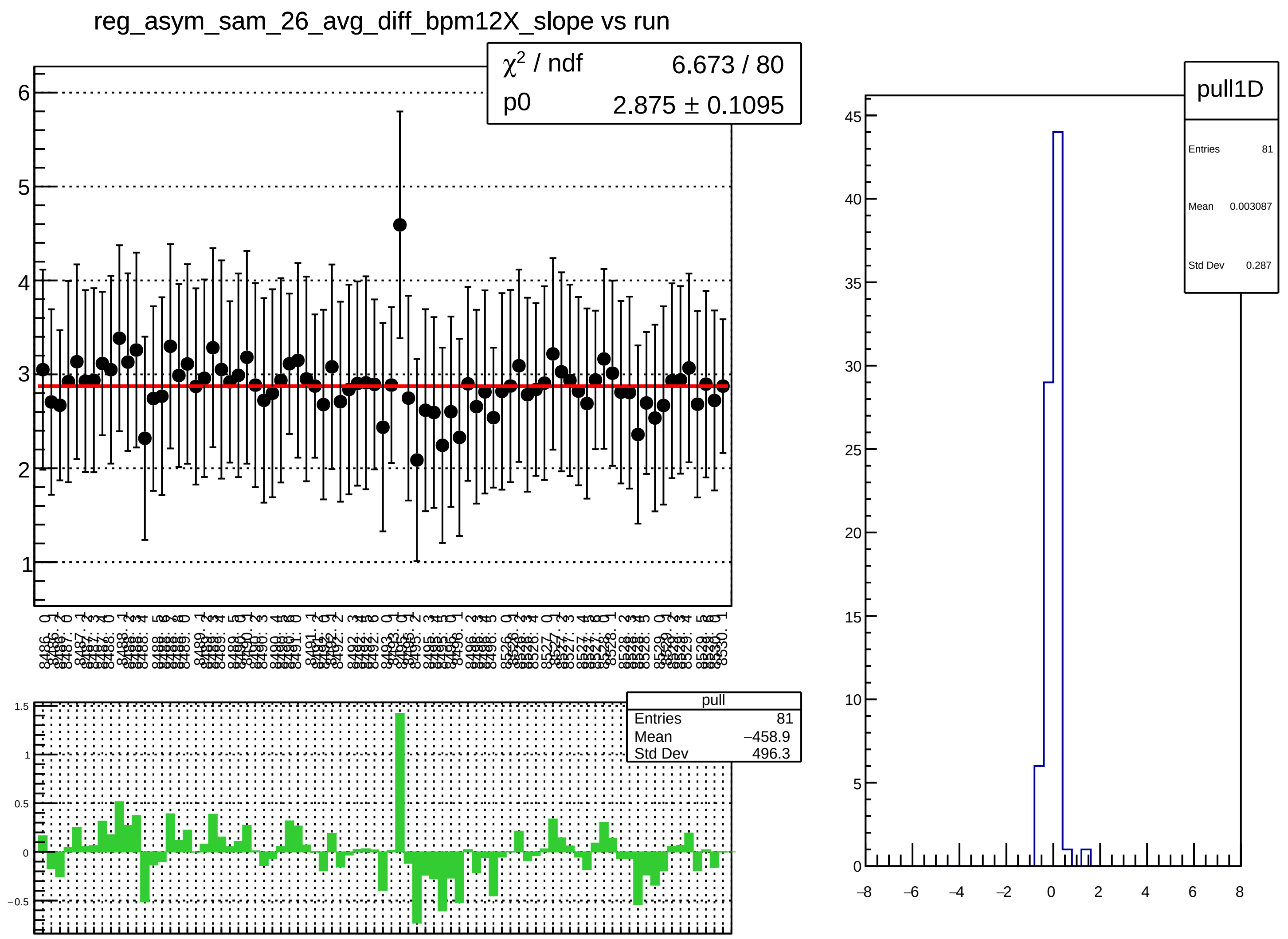
reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 14.24 / 80
p0 −0.4084 ± 1.075
pull
Entries 81
Mean 194.5
Std Dev 154.7
pull1D
Entries 81
Mean −0.01622
Std Dev 0.419


reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.512 / 80
p0 −34 ± 1.726
pull
Entries 81
Mean 124.1
Std Dev 43.05
pull1D
Entries 81
Mean 0.00409
Std Dev 0.2835

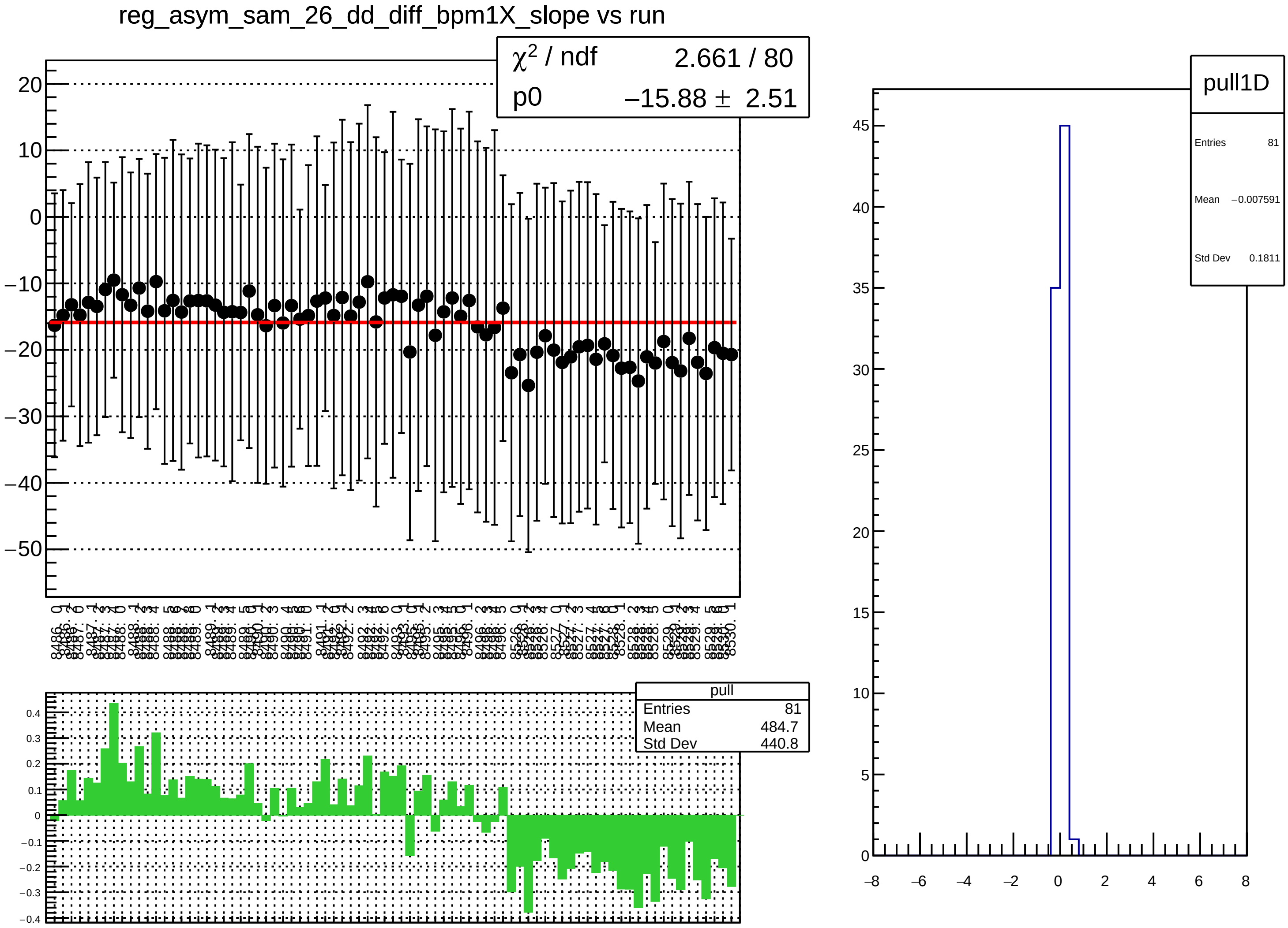

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 16.37 / 80
p0 −54.83 ± 1.16
pull
Entries 81
Mean 144.2
Std Dev 116.7
pull1D
Entries 81
Mean 0.01323
Std Dev 0.4494

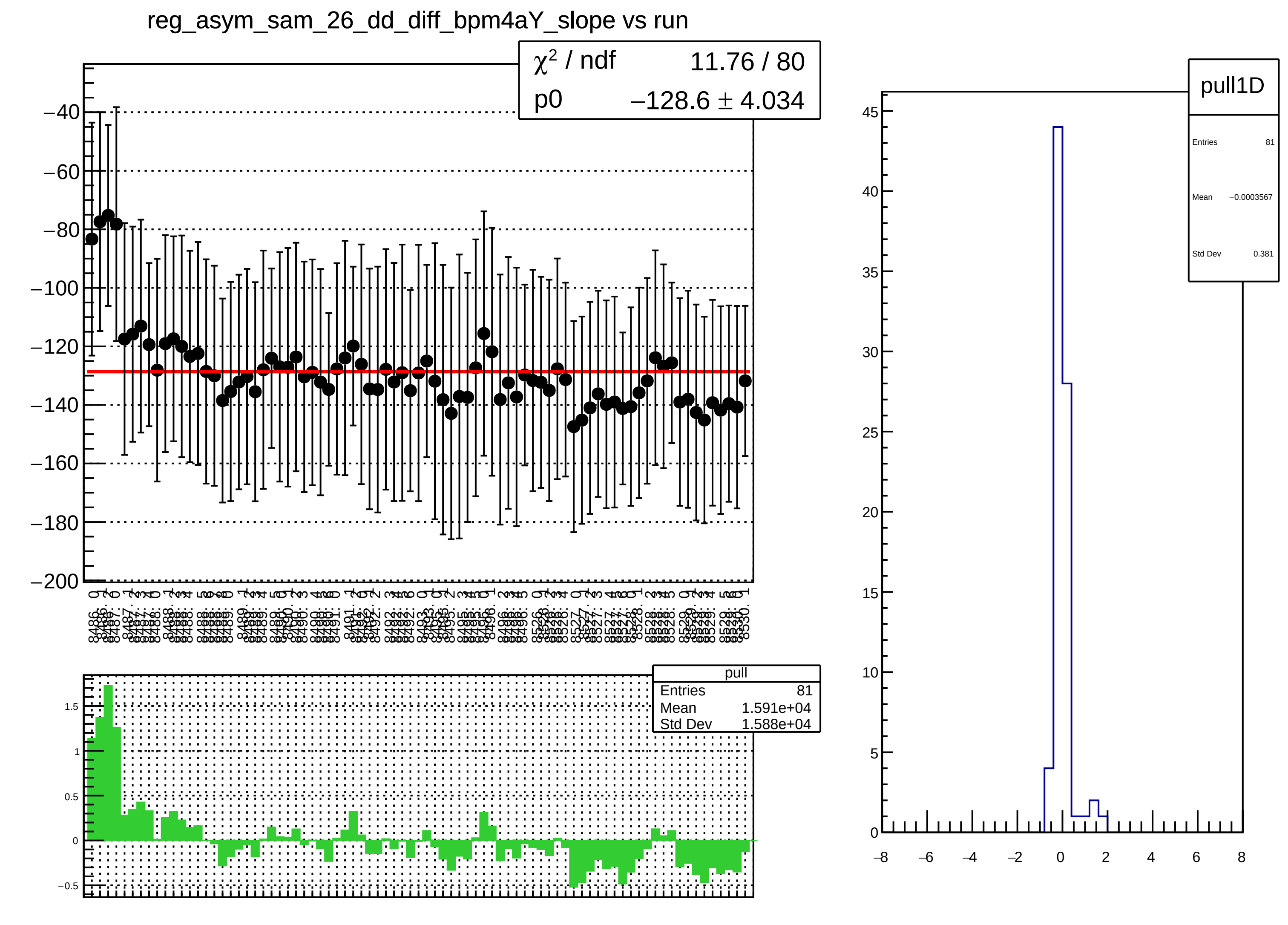


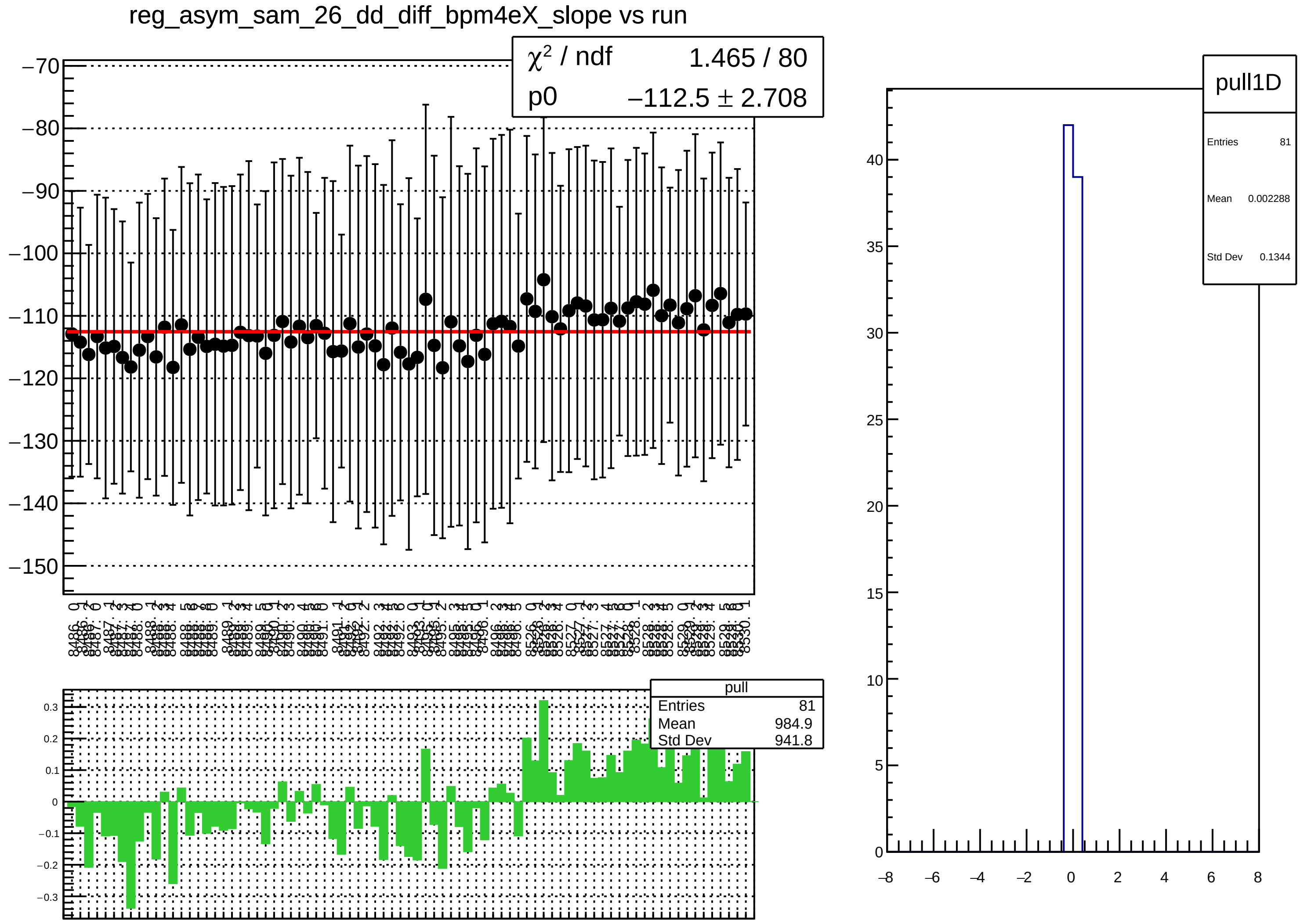
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.832 / 80
p0 4.65 ± 1.826
pull
Entries 81
Mean 130.1
Std Dev 65.79
pull1D
Entries 81
Mean −0.003093
Std Dev 0.2683

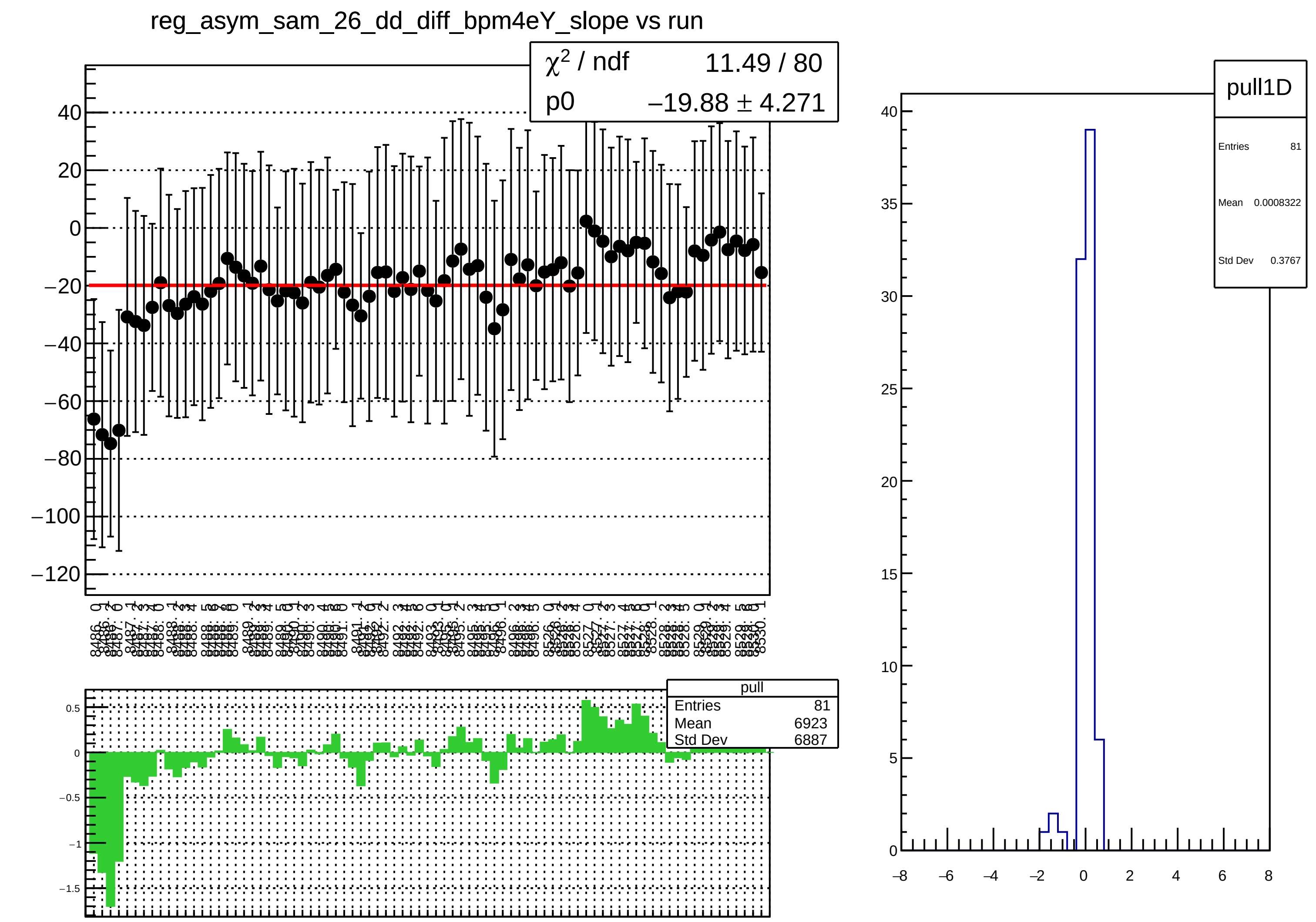


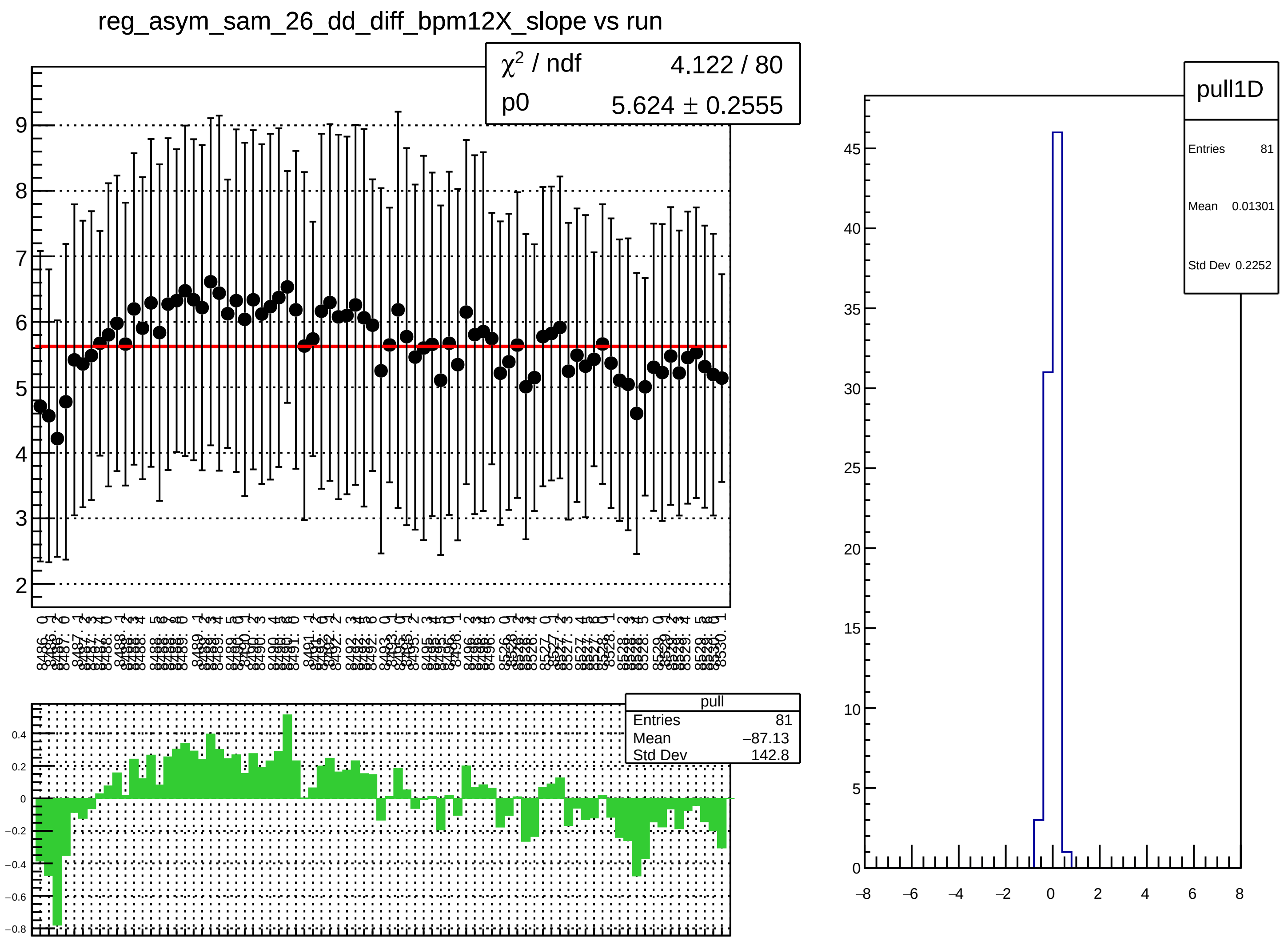
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.673 / 80
p0 2.875 ± 0.1095
pull
Entries 81
Mean −458.9
Std Dev 496.3
pull1D
Entries 81
Mean 0.003087
Std Dev 0.287


reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.661 / 80
p0 −15.88 ± 2.51
pull
Entries 81
Mean 484.7
Std Dev 440.8
pull1D
Entries 81
Mean −0.007591
Std Dev 0.1811

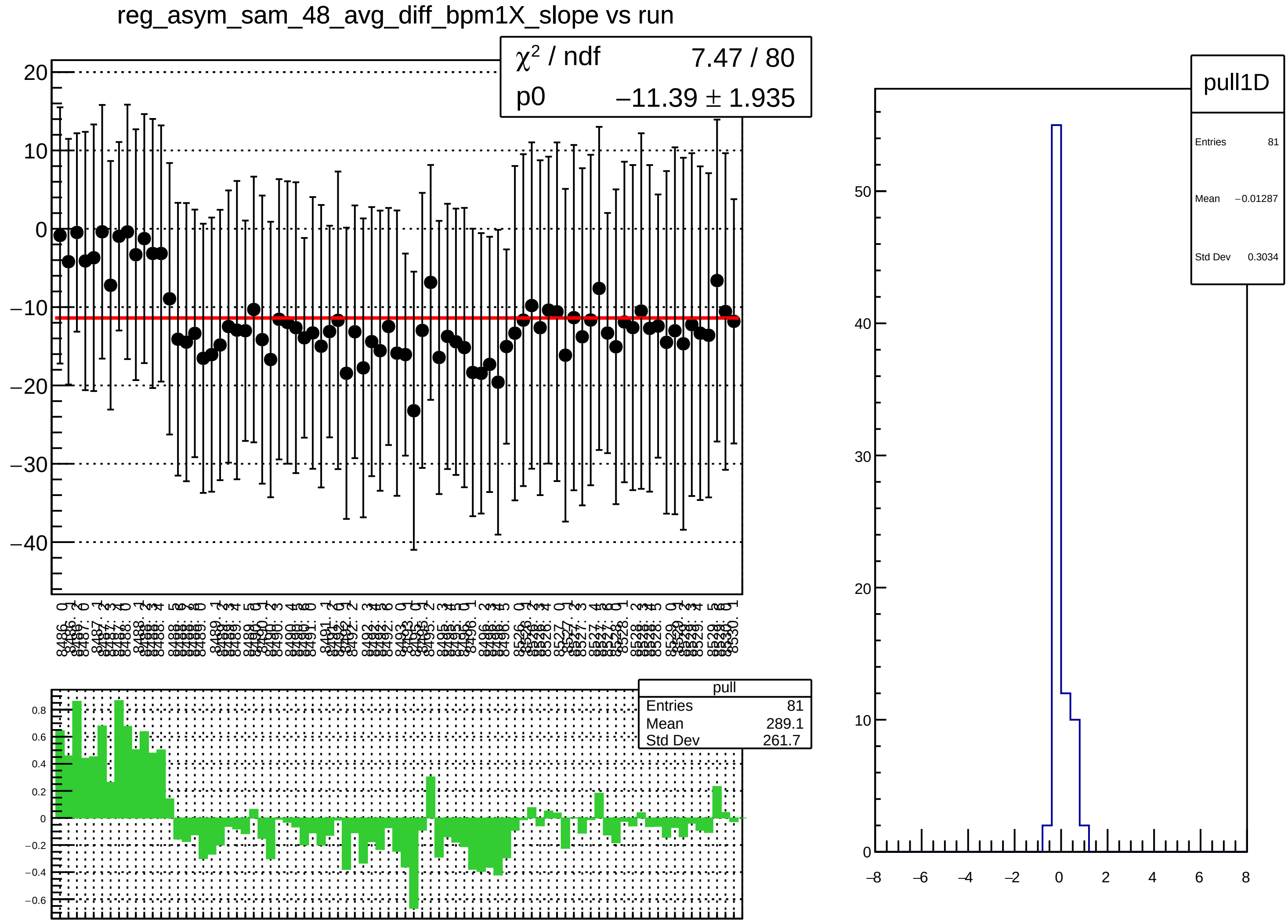

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ2 / ndf 11.76 / 80
p0 −128.6 ± 4.034
pull
Entries 81
Mean 1.591e+04
Std Dev 1.588e+04
pull1D
Entries 81
Mean −0.0003567
Std Dev 0.381


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.465 / 80
p0 −112.5 ± 2.708
pull
Entries 81
Mean 984.9
Std Dev 941.8
pull1D
Entries 81
Mean 0.002288
Std Dev 0.1344

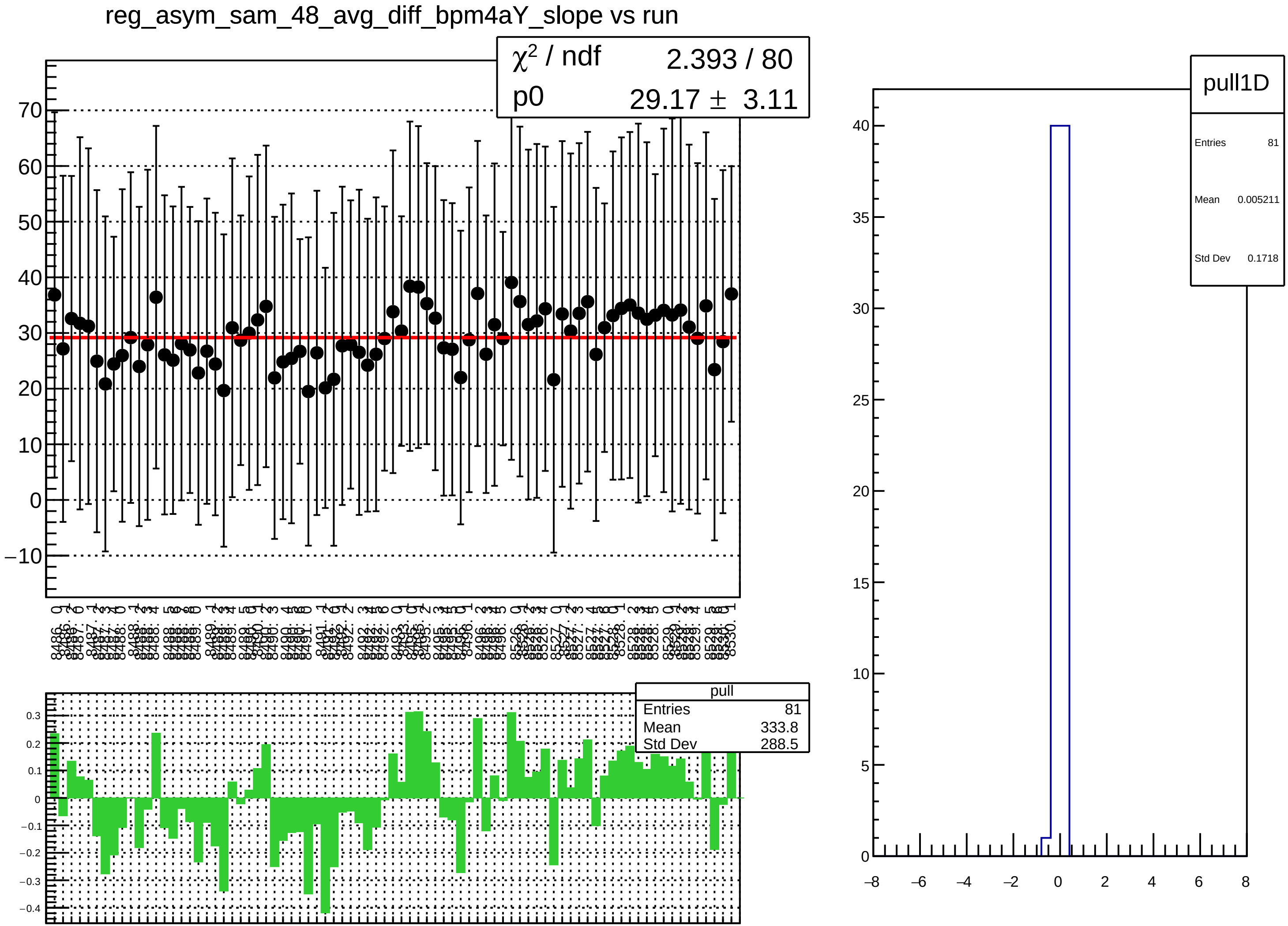

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.49 / 80
p0 −19.88 ± 4.271
pull
Entries 81
Mean 6923
Std Dev 6887
pull1D
Entries 81
Mean 0.0008322
Std Dev 0.3767

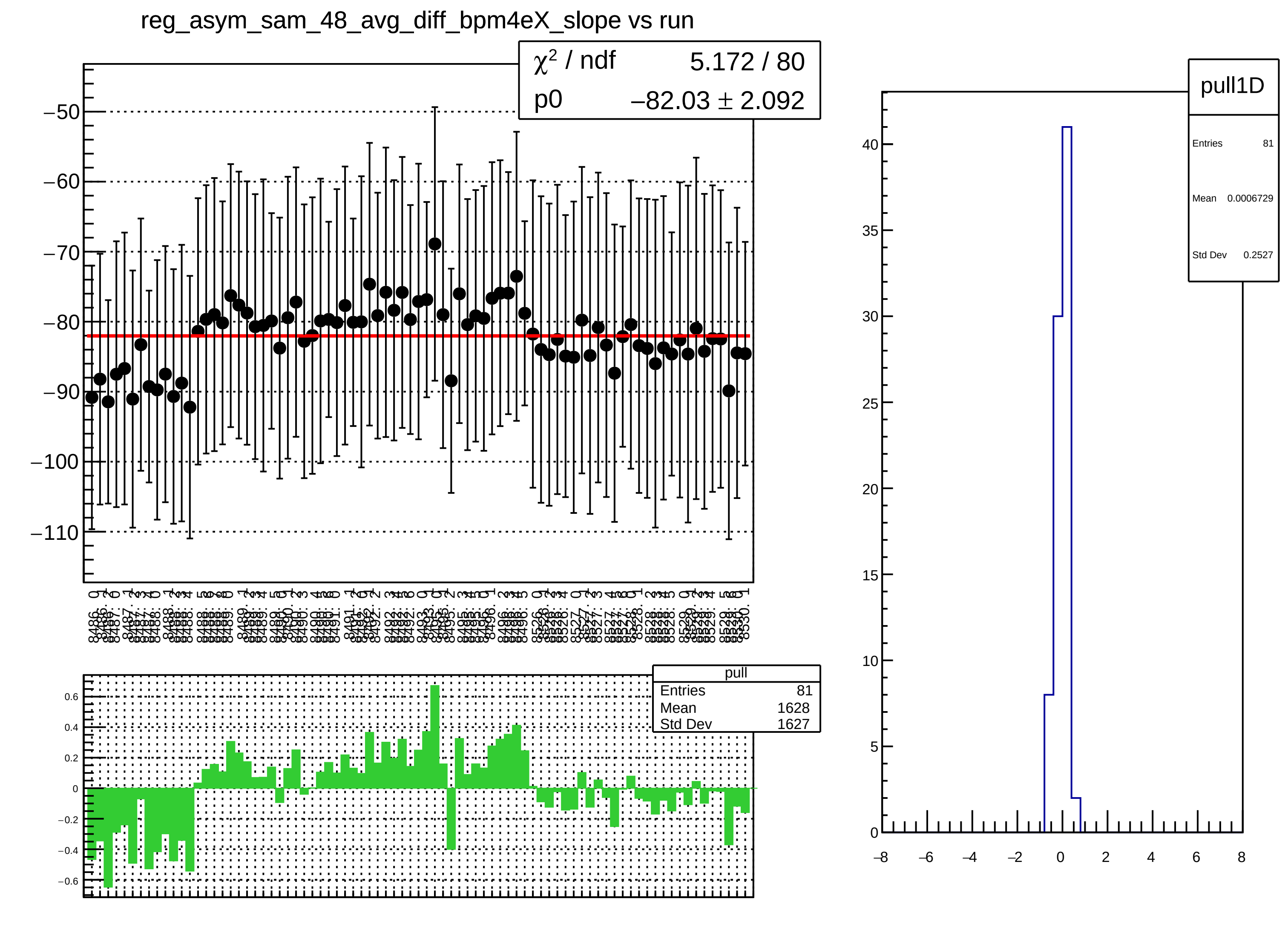


reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.122 / 80
p0 5.624 ± 0.2555
pull
Entries 81
Mean −87.13
Std Dev 142.8
pull1D
Entries 81
Mean 0.01301
Std Dev 0.2252



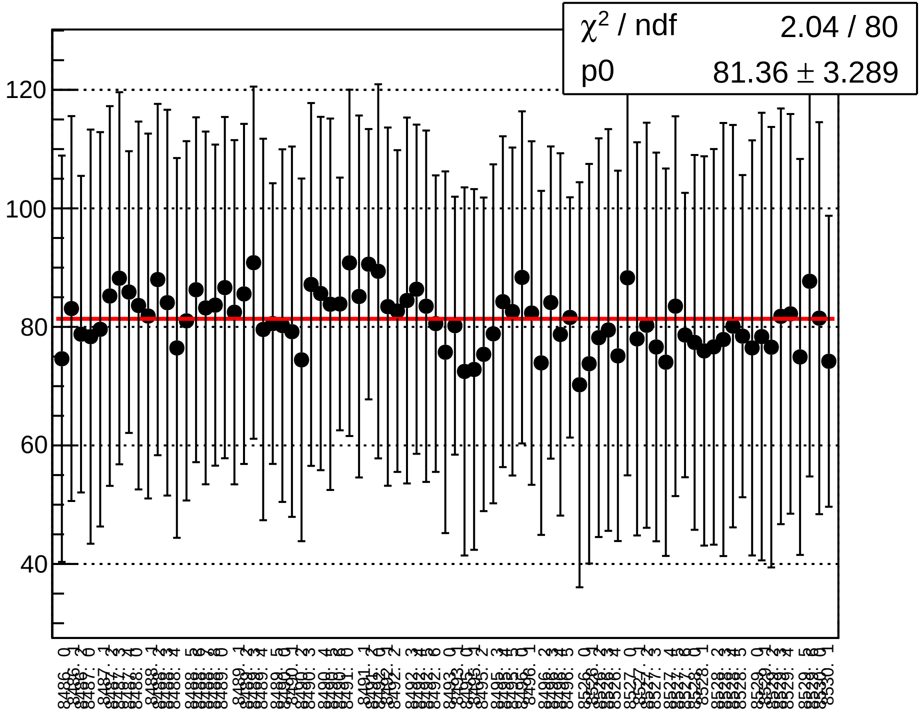
reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.47 / 80
p0 −11.39 ± 1.935
pull
Entries 81
Mean 289.1
Std Dev 261.7
pull1D
Entries 81
Mean −0.01287
Std Dev 0.3034

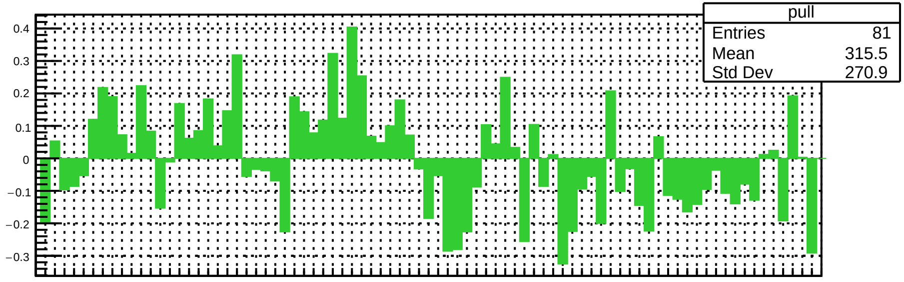

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.393 / 80
p0 29.17 ± 3.11
pull
Entries 81
Mean 333.8
Std Dev 288.5
pull1D
Entries 81
Mean 0.005211
Std Dev 0.1718

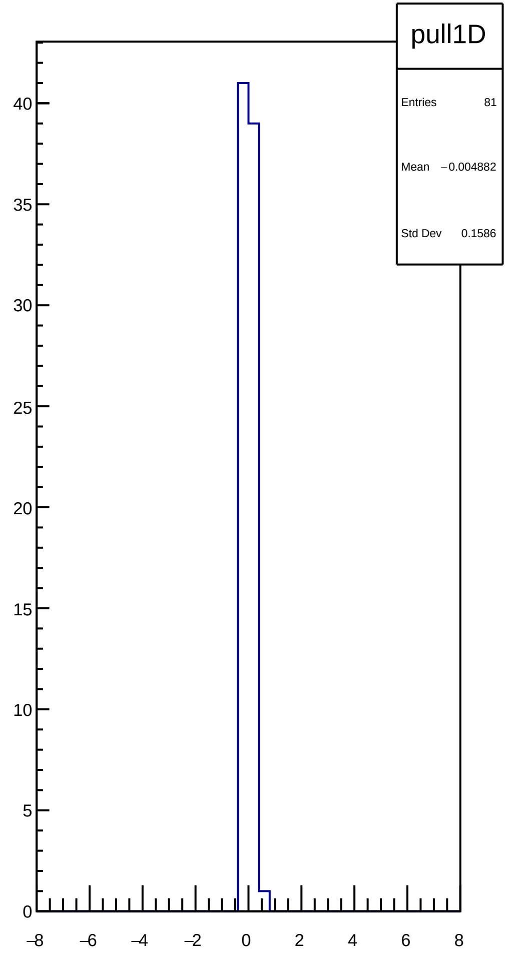


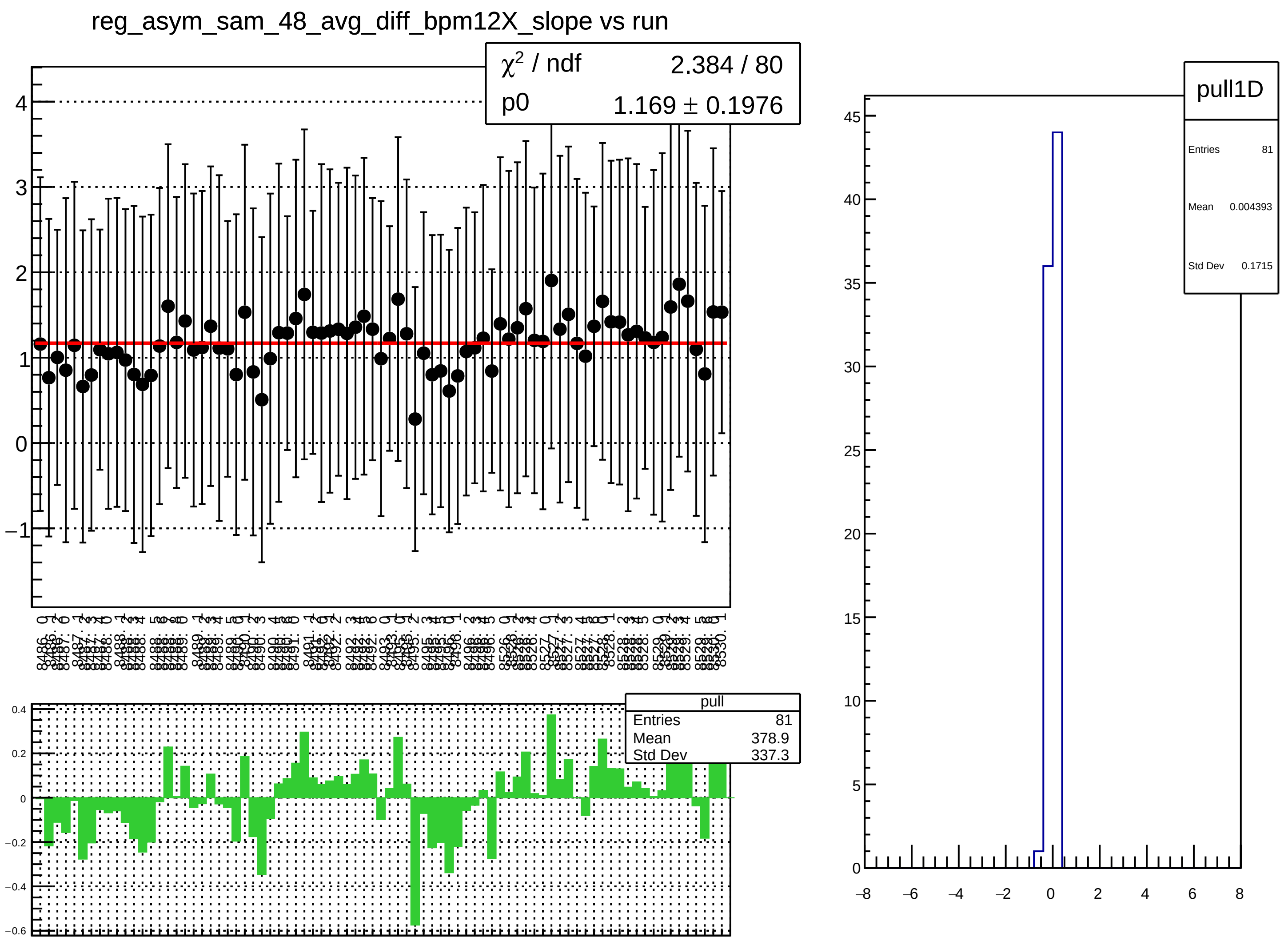
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.172 / 80
p0 −82.03 ± 2.092
pull
Entries 81
Mean 1628
Std Dev 1627
pull1D
Entries 81
Mean 0.0006729
Std Dev 0.2527

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run

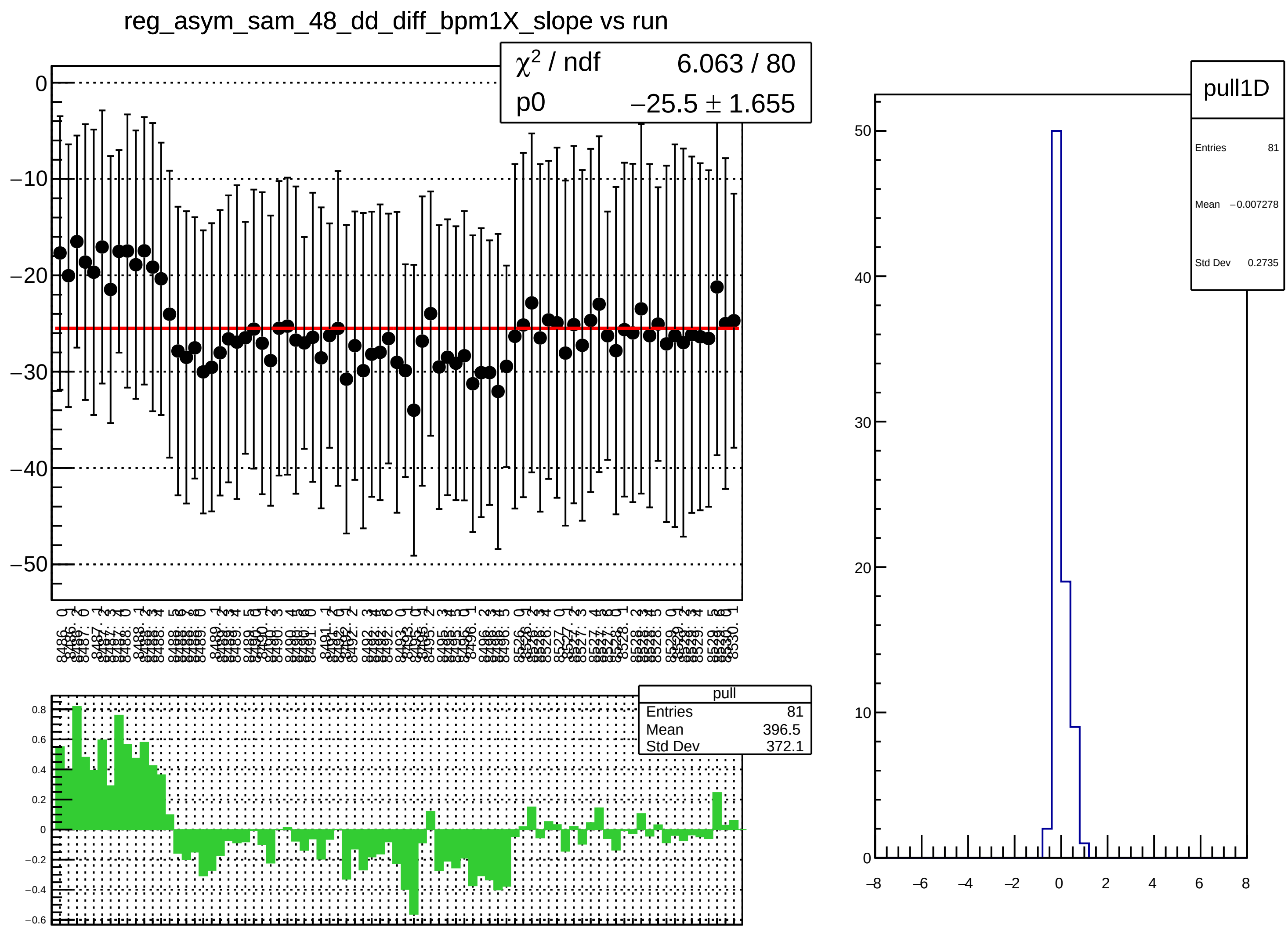




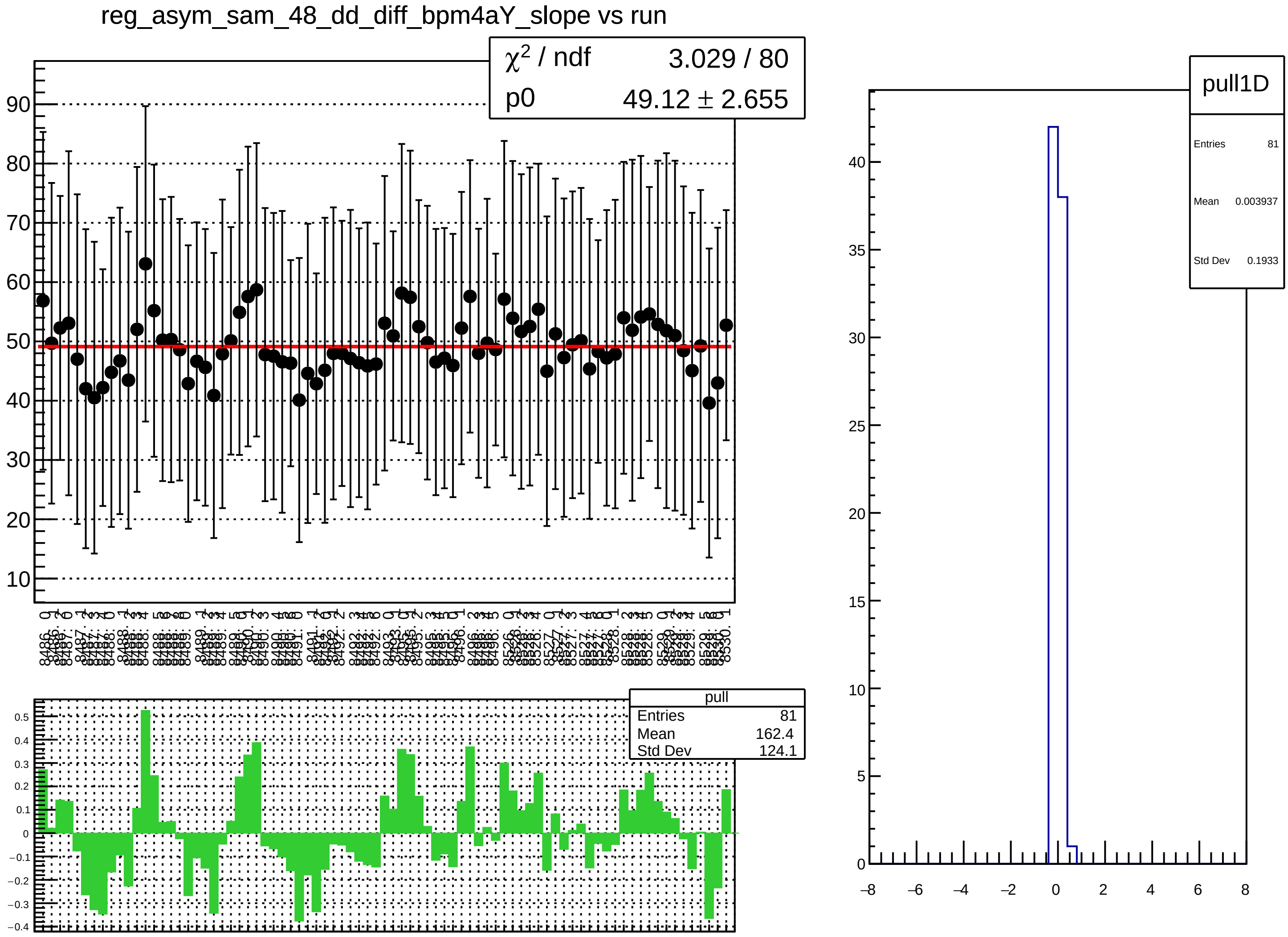




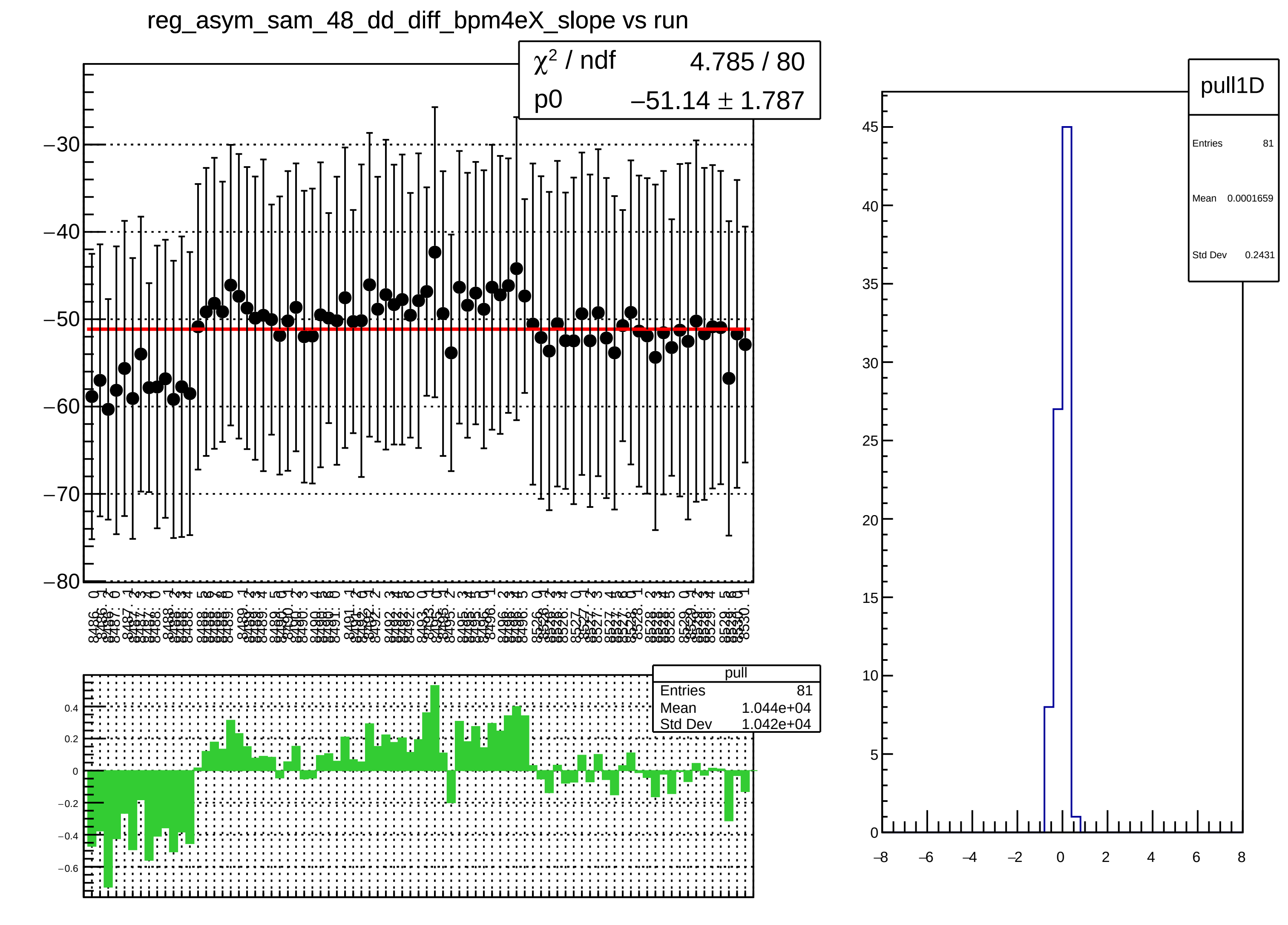
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.384 / 80
p0 1.169 ± 0.1976
pull
Entries 81
Mean 378.9
Std Dev 337.3
pull1D
Entries 81
Mean 0.004393
Std Dev 0.1715

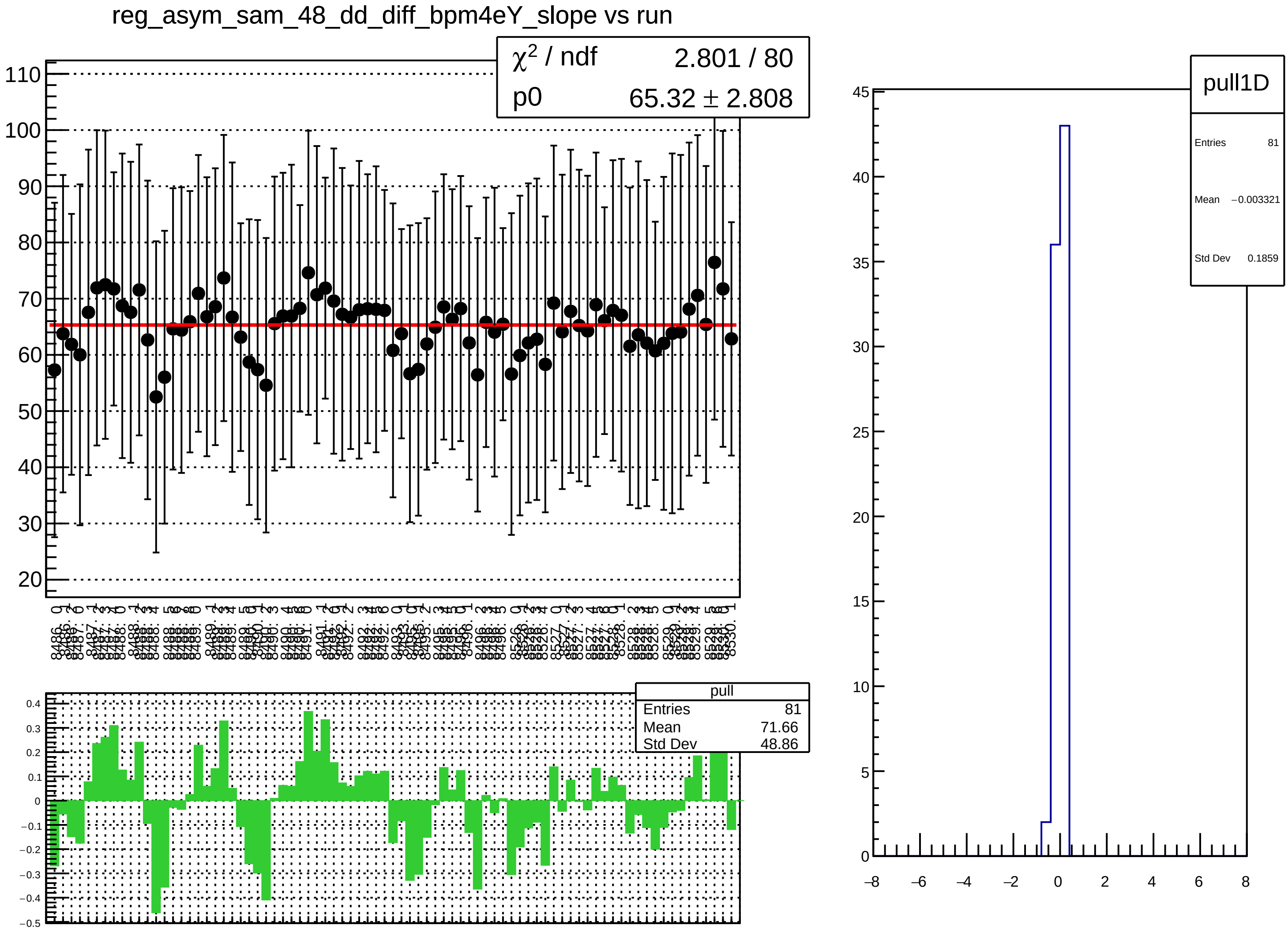


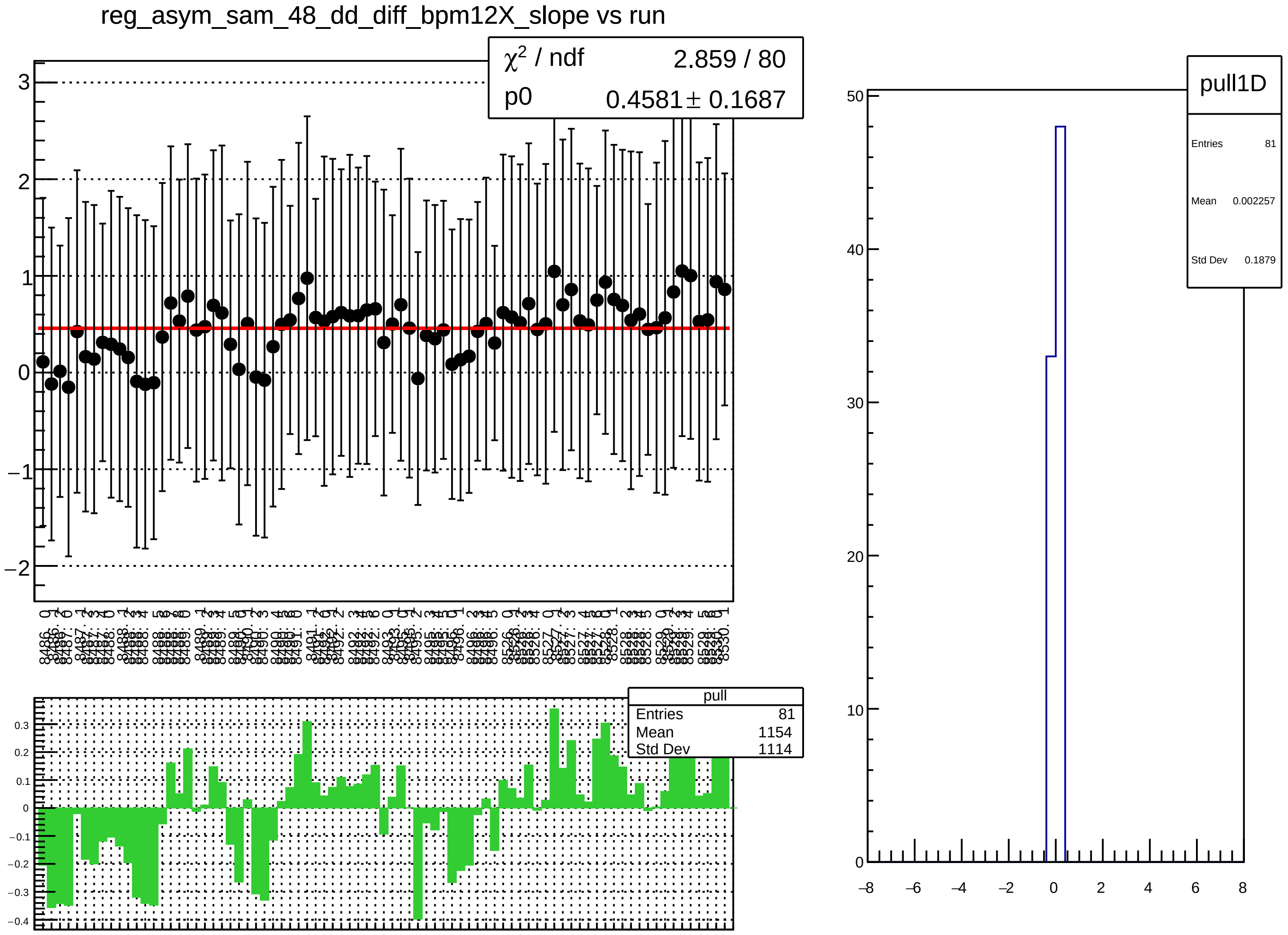
reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.063 / 80
p0 −25.5 ± 1.655
pull
Entries 81
Mean 396.5
Std Dev 372.1
pull1D
Entries 81
Mean −0.007278
Std Dev 0.2735



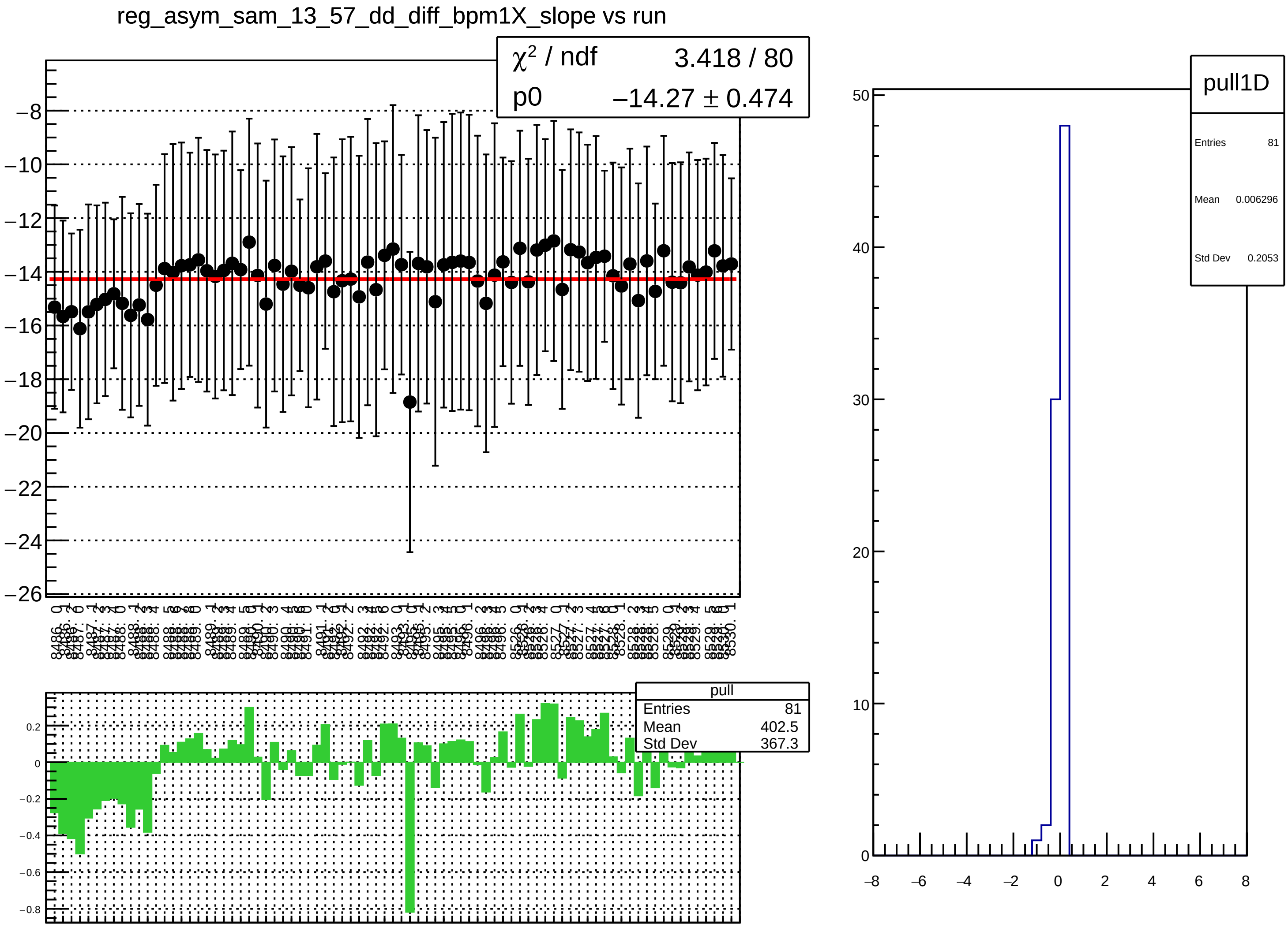
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 3.029 / 80
p0 49.12 ± 2.655
pull
Entries 81
Mean 162.4
Std Dev 124.1
pull1D
Entries 81
Mean 0.003937
Std Dev 0.1933


reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.785 / 80
p0 −51.14 ± 1.787
pull
Entries 81
Mean 1.044e+04
Std Dev 1.042e+04
pull1D
Entries 81
Mean 0.0001659
Std Dev 0.2431

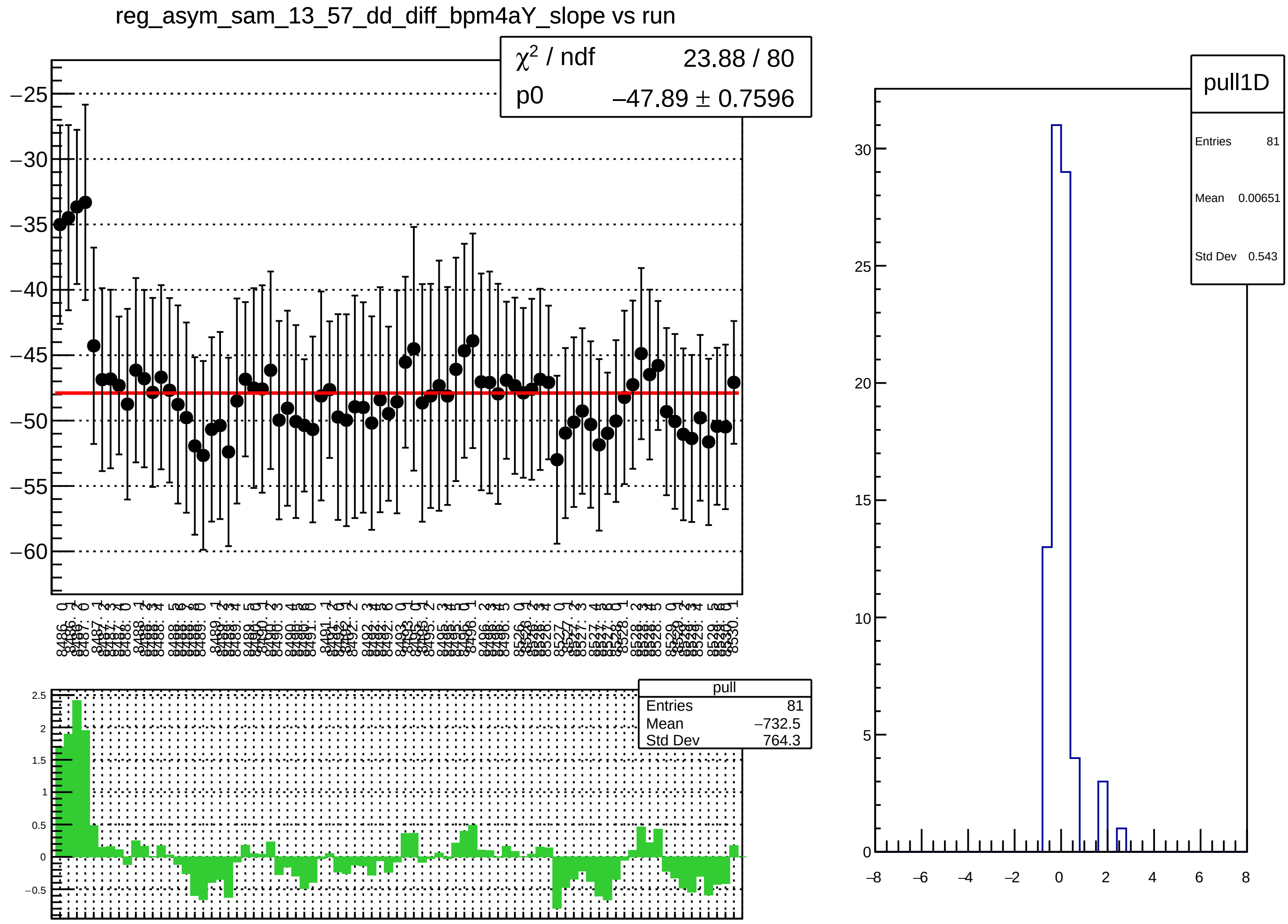

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.801 / 80
p0 65.32 ± 2.808
pull
Entries 81
Mean 71.66
Std Dev 48.86
pull1D
Entries 81
Mean −0.003321
Std Dev 0.1859



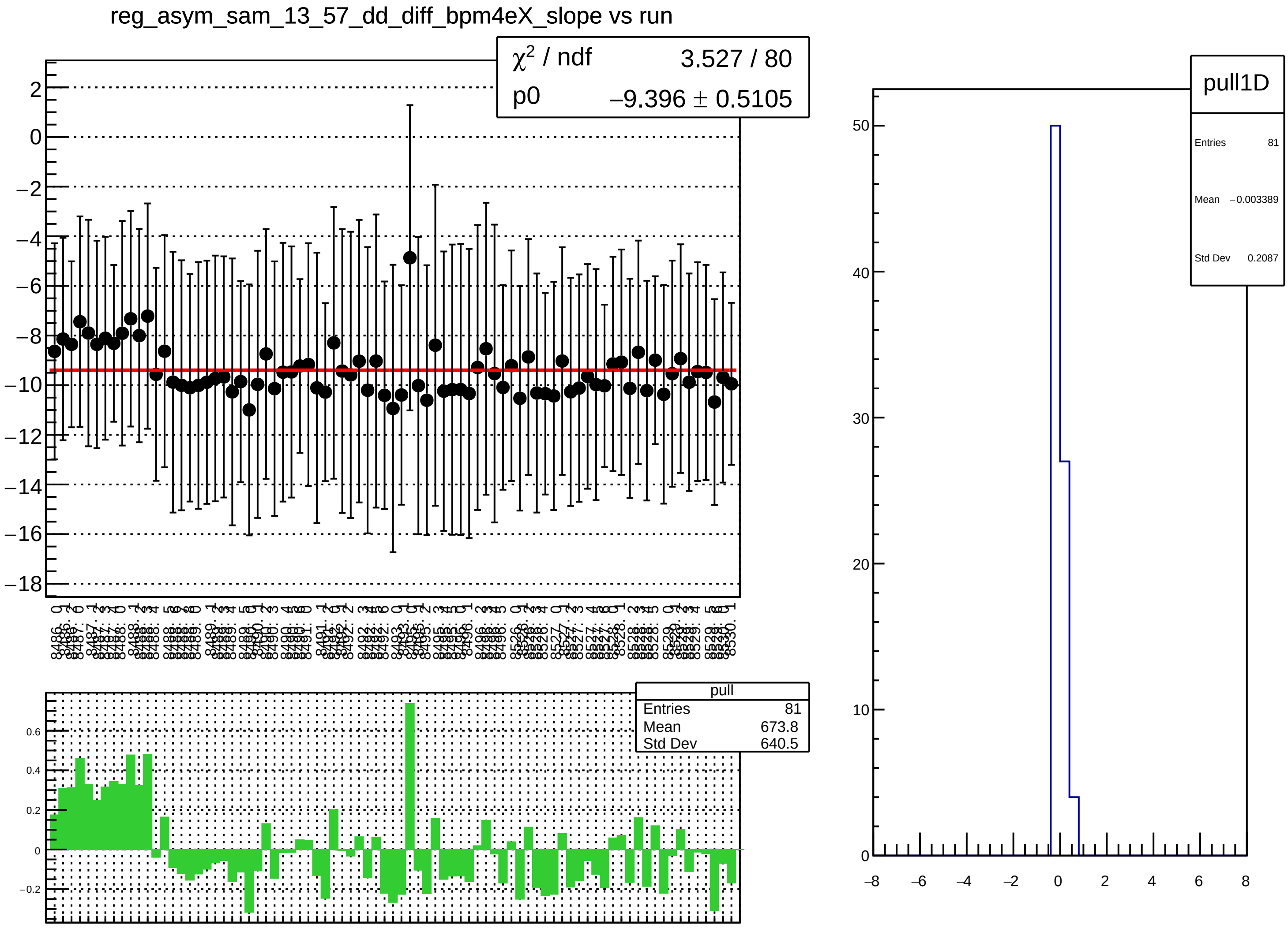
reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.859 / 80
p0 0.4581 ± 0.1687
pull
Entries 81
Mean 1154
Std Dev 1114
pull1D
Entries 81
Mean 0.002257
Std Dev 0.1879



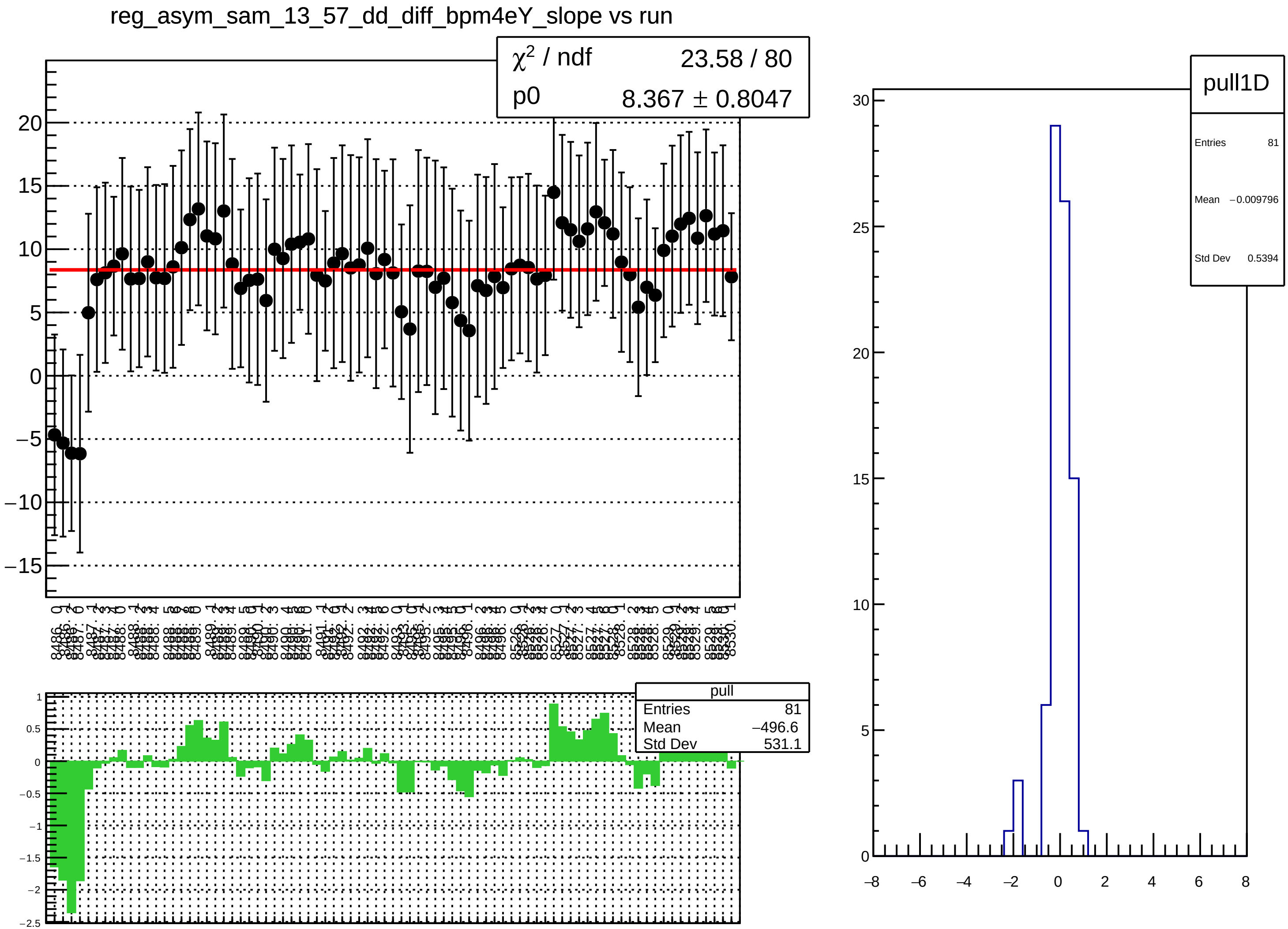
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.418 / 80
p0 −14.27 ± 0.474
pull
Entries 81
Mean 402.5
Std Dev 367.3
pull1D
Entries 81
Mean 0.006296
Std Dev 0.2053



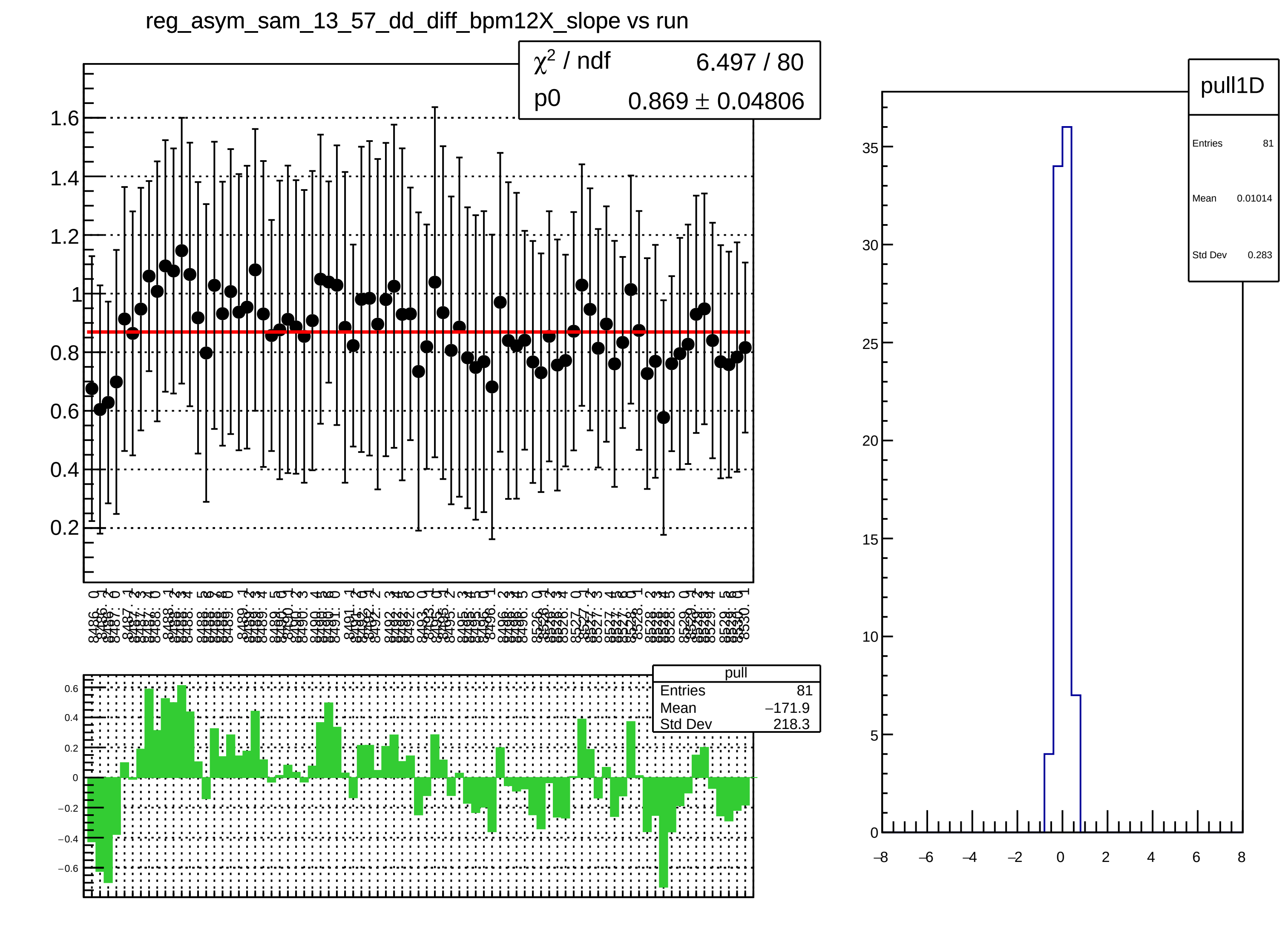
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.88 / 80
p0 −47.89 ± 0.7596
pull
Entries 81
Mean −732.5
Std Dev 764.3
pull1D
Entries 81
Mean 0.00651
Std Dev 0.543



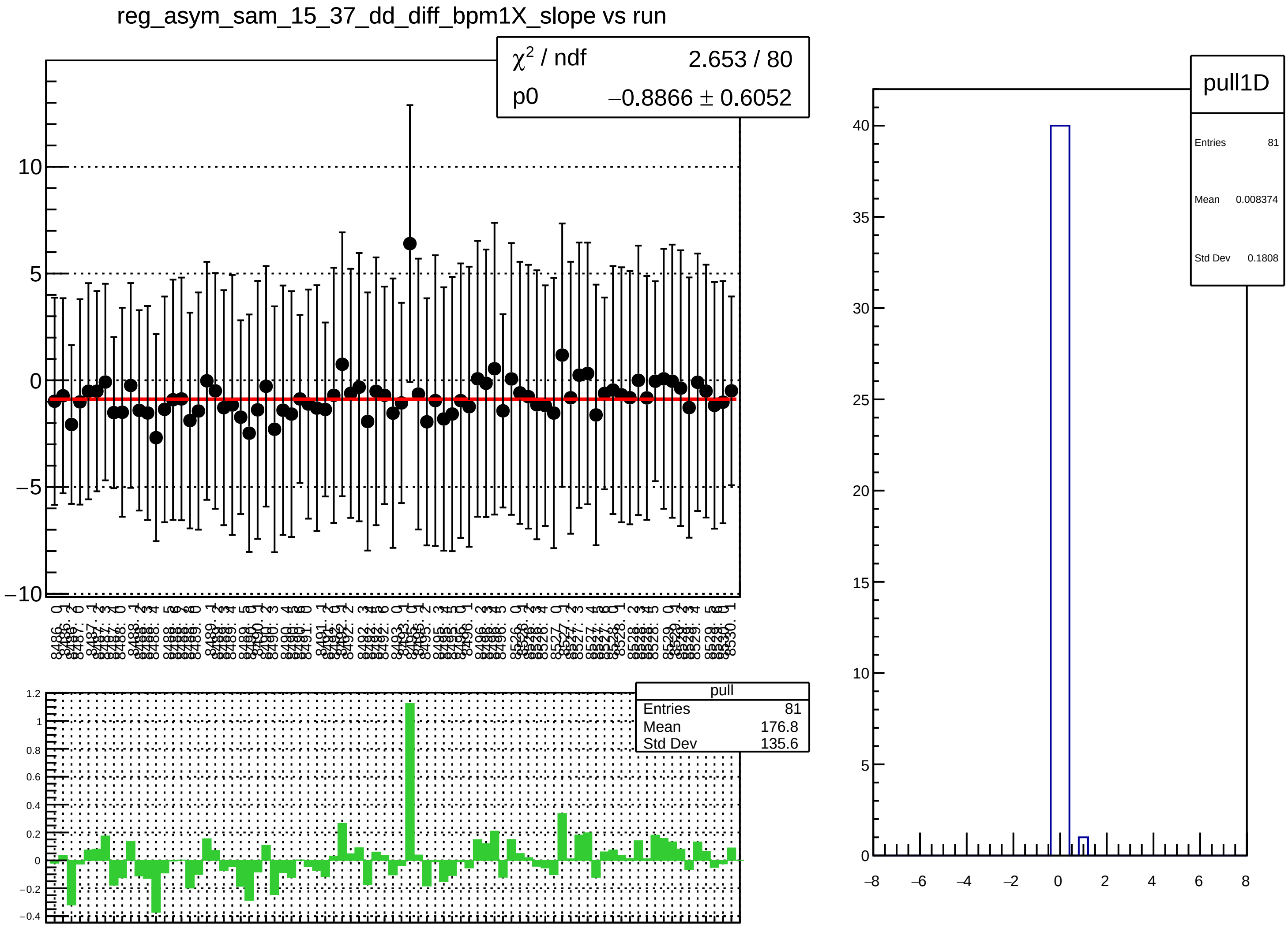
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.527 / 80
p0 −9.396 ± 0.5105
pull
Entries 81
Mean 673.8
Std Dev 640.5
pull1D
Entries 81
Mean −0.003389
Std Dev 0.2087



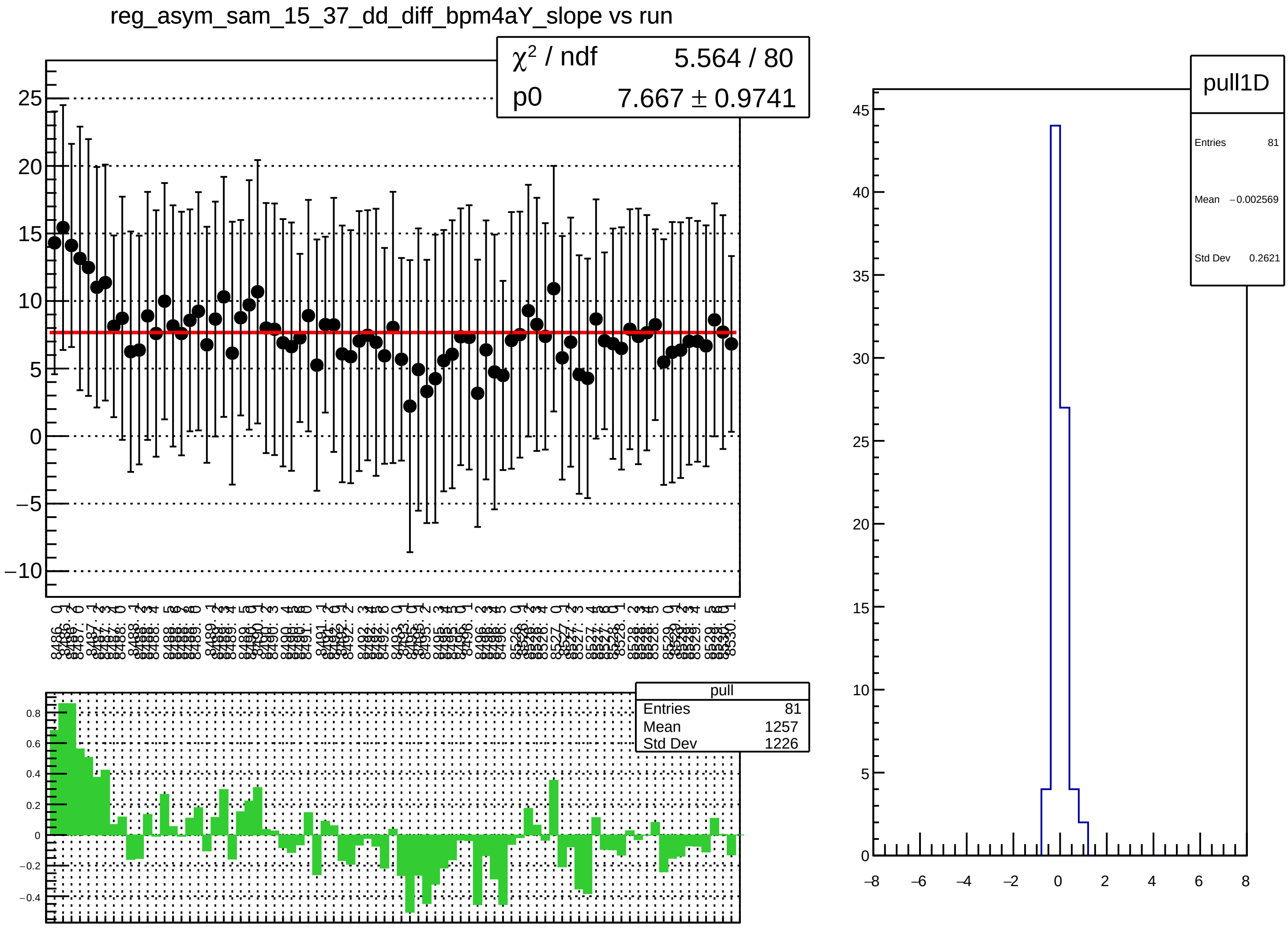
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 23.58 / 80
p0 8.367 ± 0.8047
pull
Entries 81
Mean −496.6
Std Dev 531.1
pull1D
Entries 81
Mean −0.009796
Std Dev 0.5394



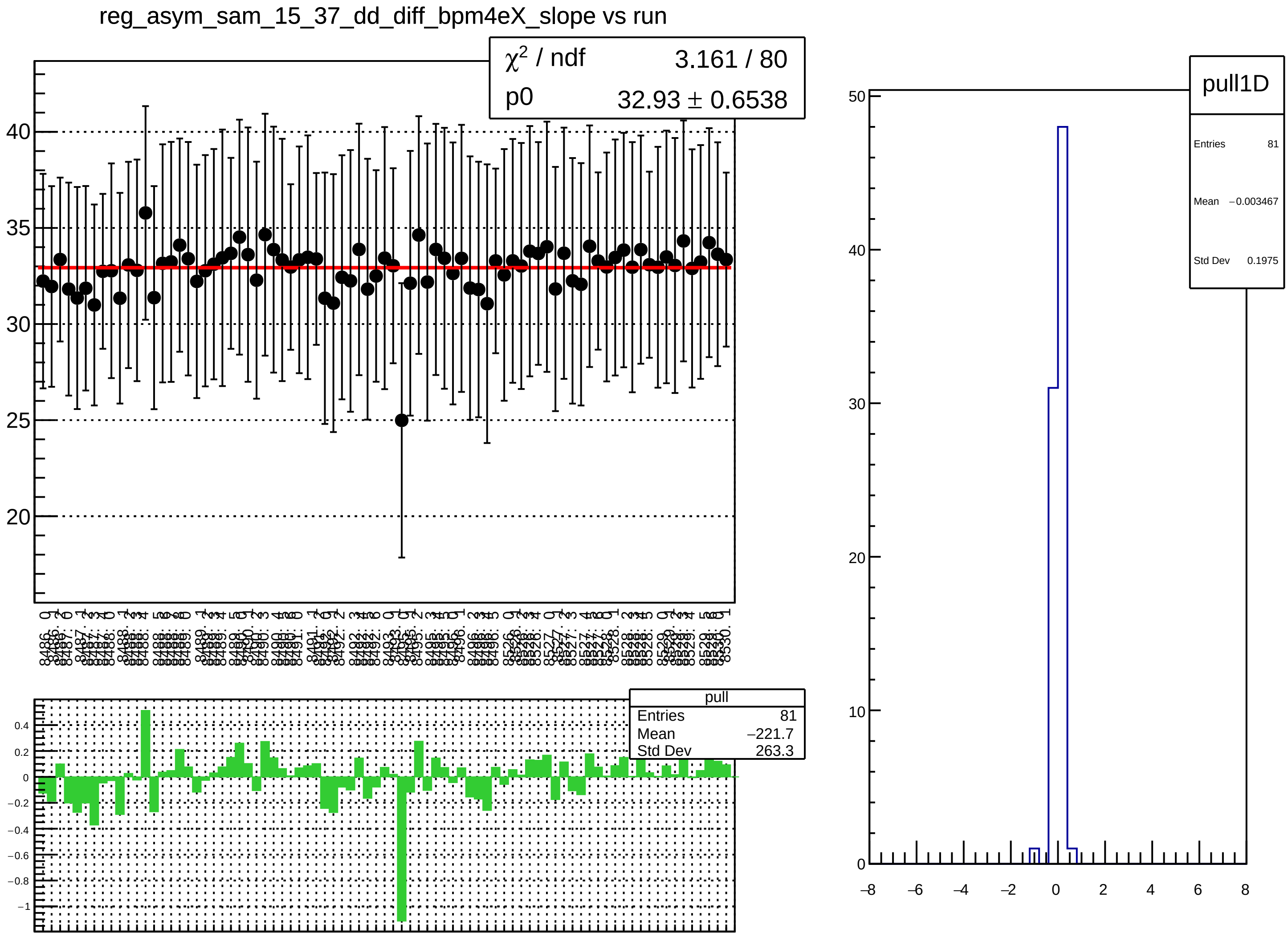
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.497 / 80
p0 0.869 ± 0.04806
pull
Entries 81
Mean −171.9
Std Dev 218.3
pull1D
Entries 81
Mean 0.01014
Std Dev 0.283



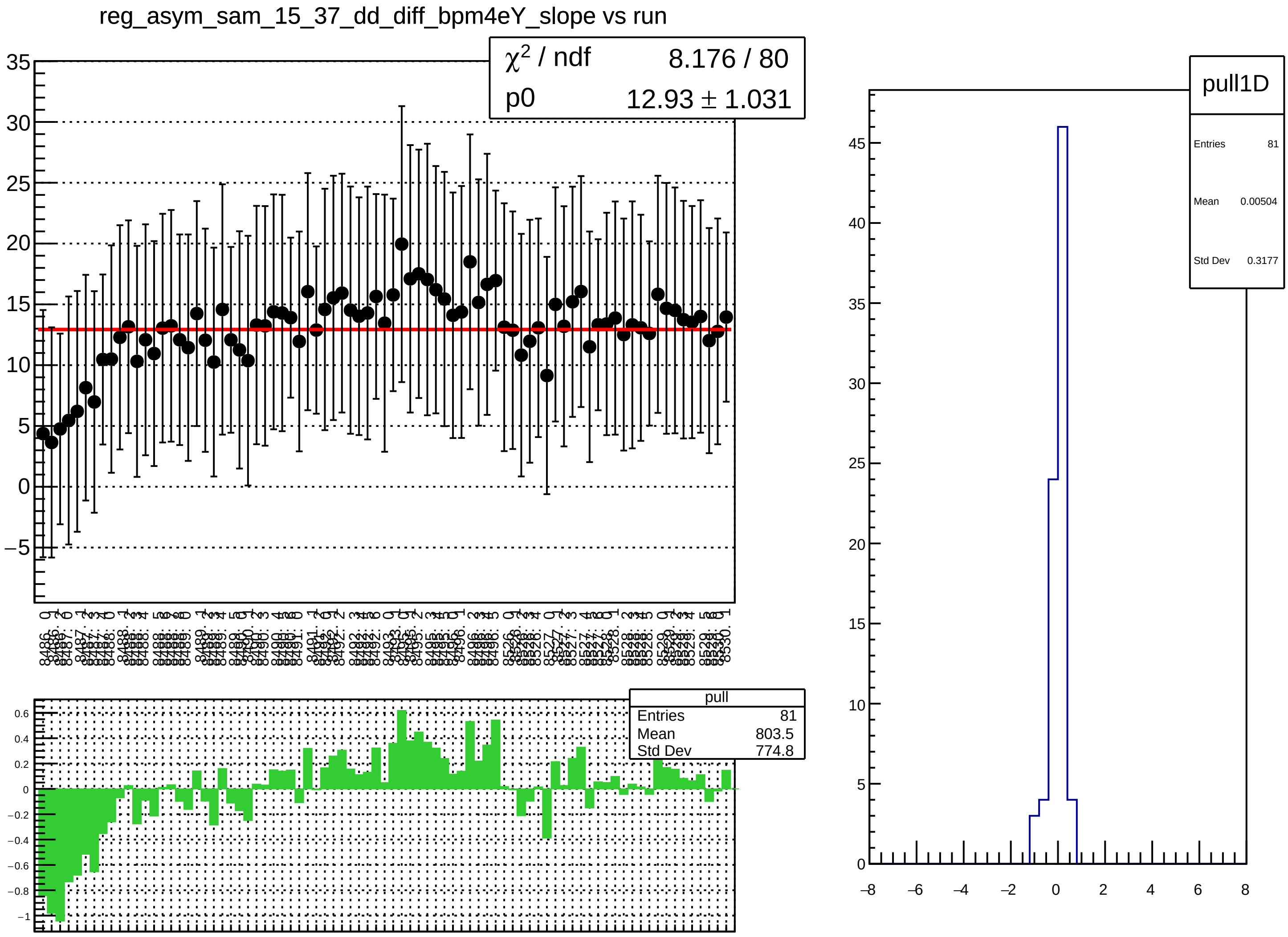
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ2 / ndf 2.653 / 80
p0 −0.8866 ± 0.6052
pull
Entries 81
Mean 176.8
Std Dev 135.6
pull1D
Entries 81
Mean 0.008374
Std Dev 0.1808

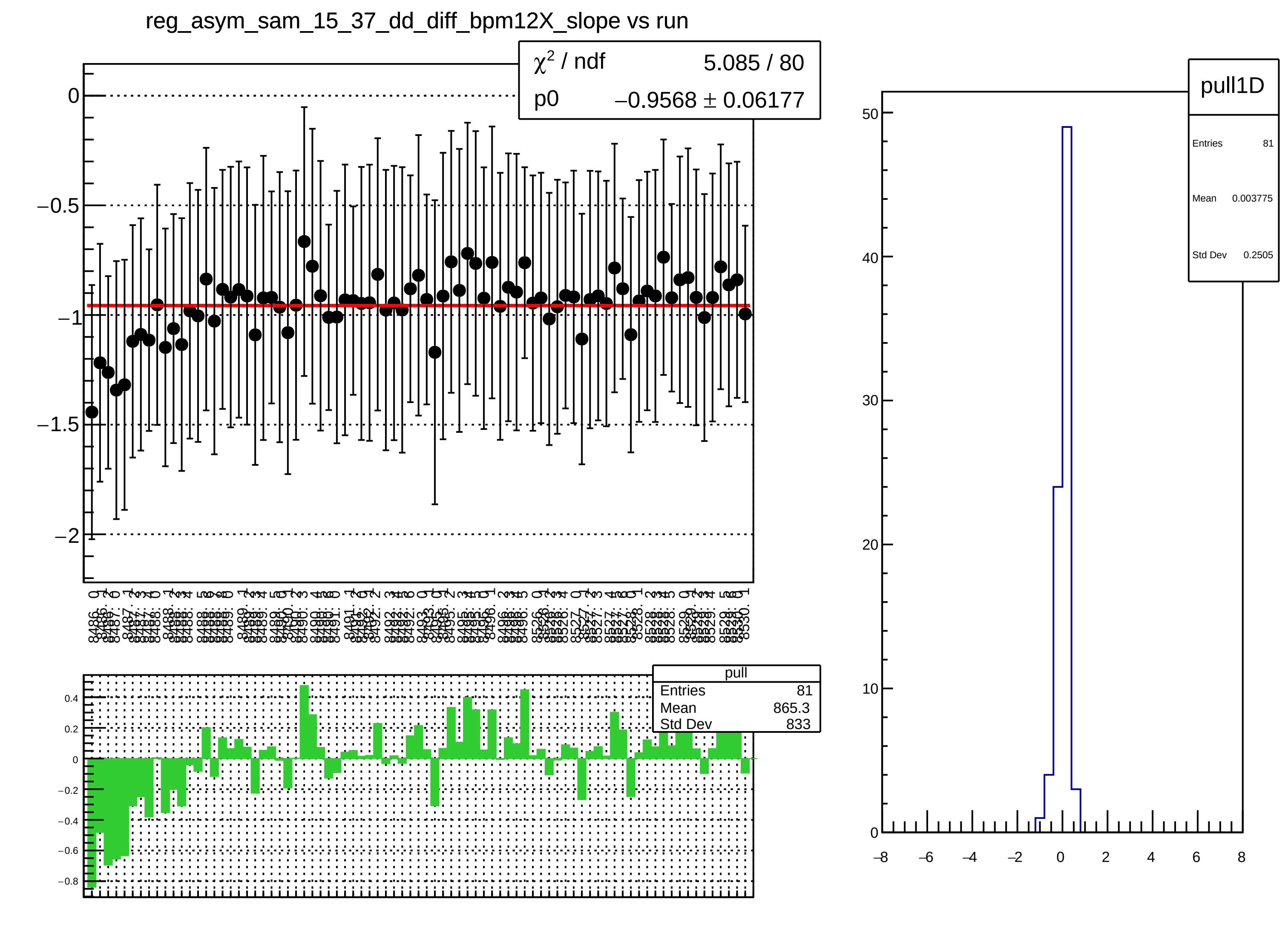


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.564 / 80
p0 7.667 ± 0.9741
pull
Entries 81
Mean 1257
Std Dev 1226
pull1D
Entries 81
Mean −0.002569
Std Dev 0.2621

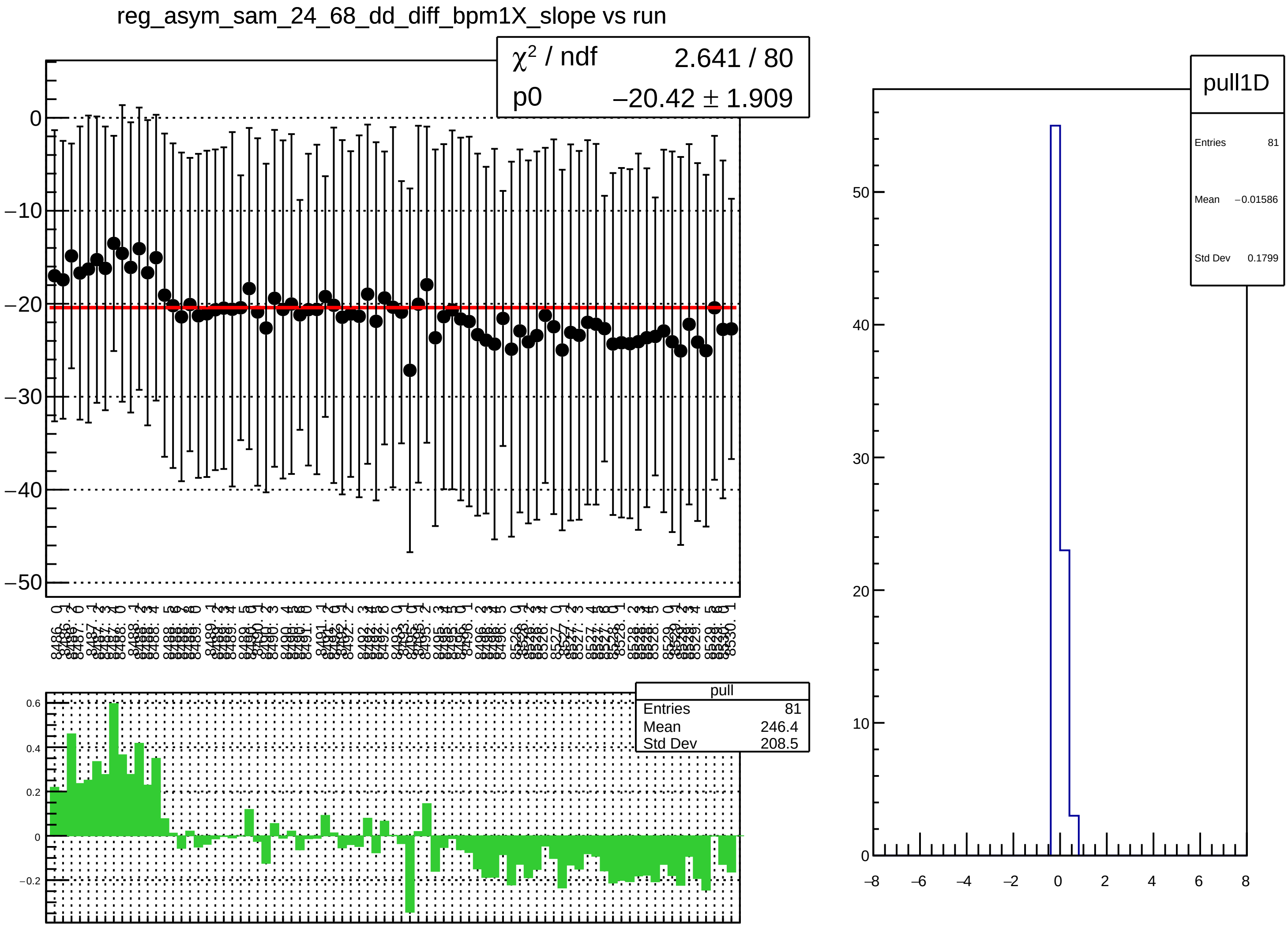


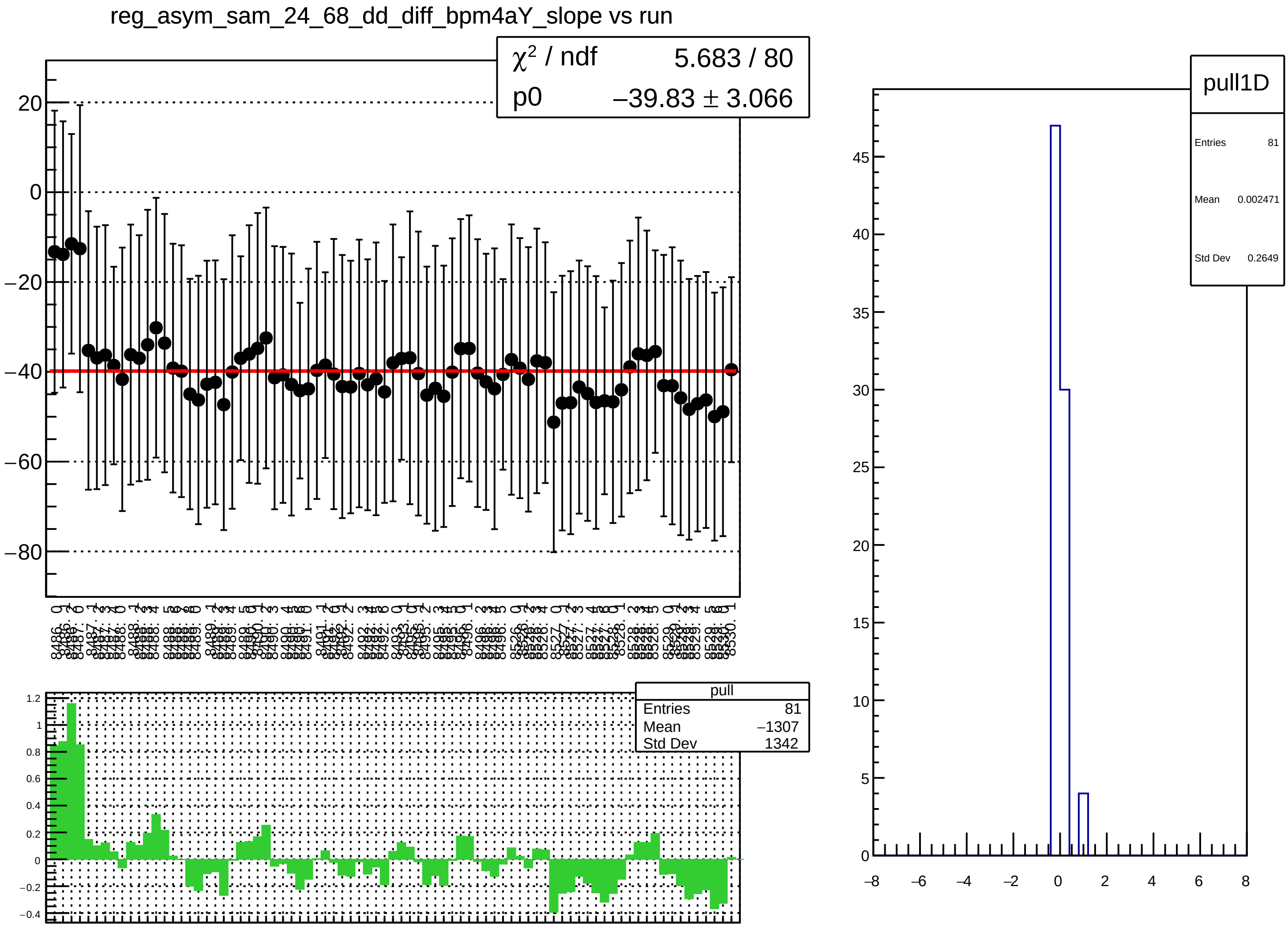
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 3.161 / 80
p0 32.93 ± 0.6538
pull
Entries 81
Mean −221.7
Std Dev 263.3
pull1D
Entries 81
Mean −0.003467
Std Dev 0.1975


reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.176 / 80
p0 12.93 ± 1.031
pull
Entries 81
Mean 803.5
Std Dev 774.8
pull1D
Entries 81
Mean 0.00504
Std Dev 0.3177

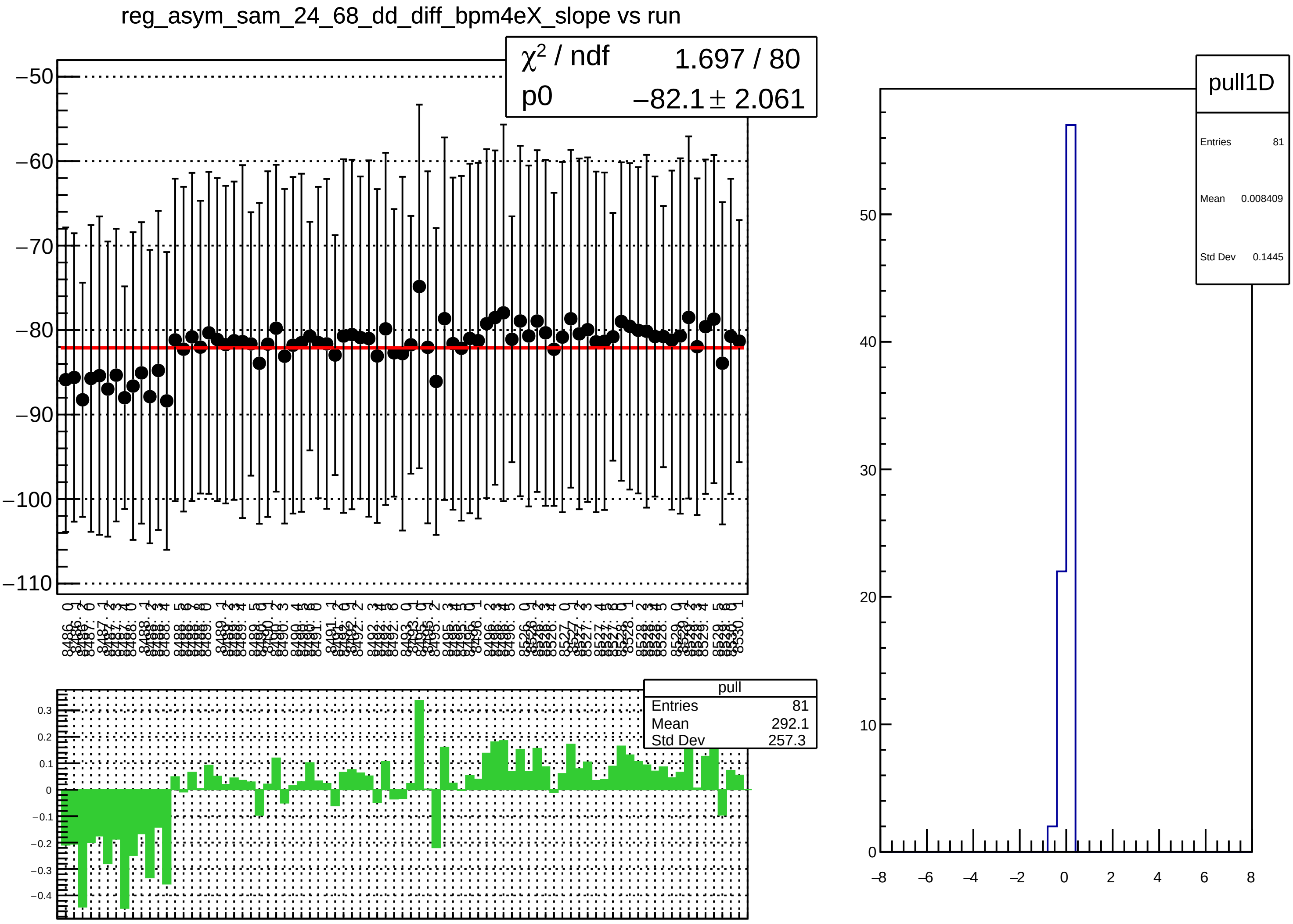


reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.085 / 80
p0 −0.9568 ± 0.06177
pull
Entries 81
Mean 865.3
Std Dev 833
pull1D
Entries 81
Mean 0.003775
Std Dev 0.2505

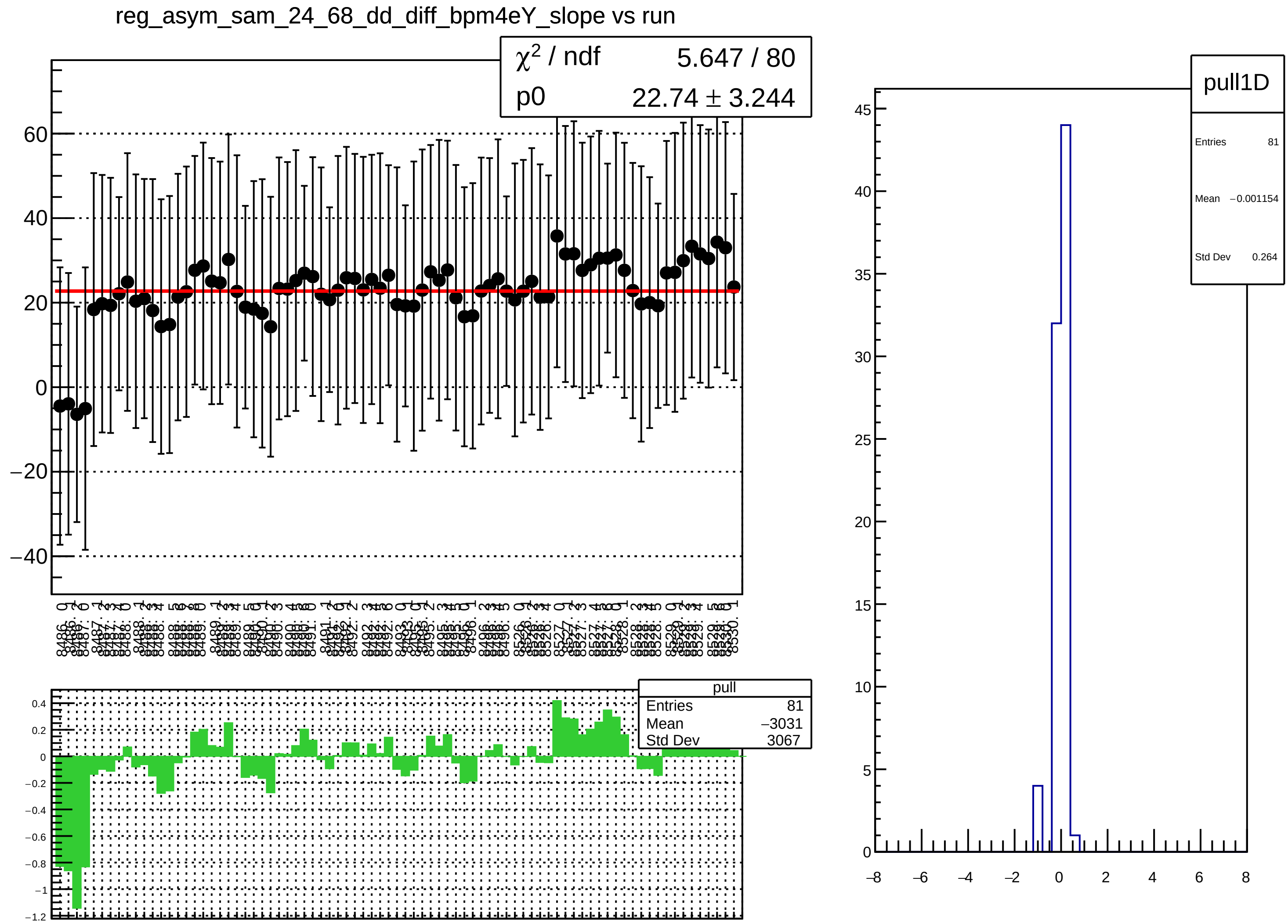

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ2 / ndf 2.641 / 80
p0 −20.42 ± 1.909
pull
Entries 81
Mean 246.4
Std Dev 208.5
pull1D
Entries 81
Mean −0.01586
Std Dev 0.1799



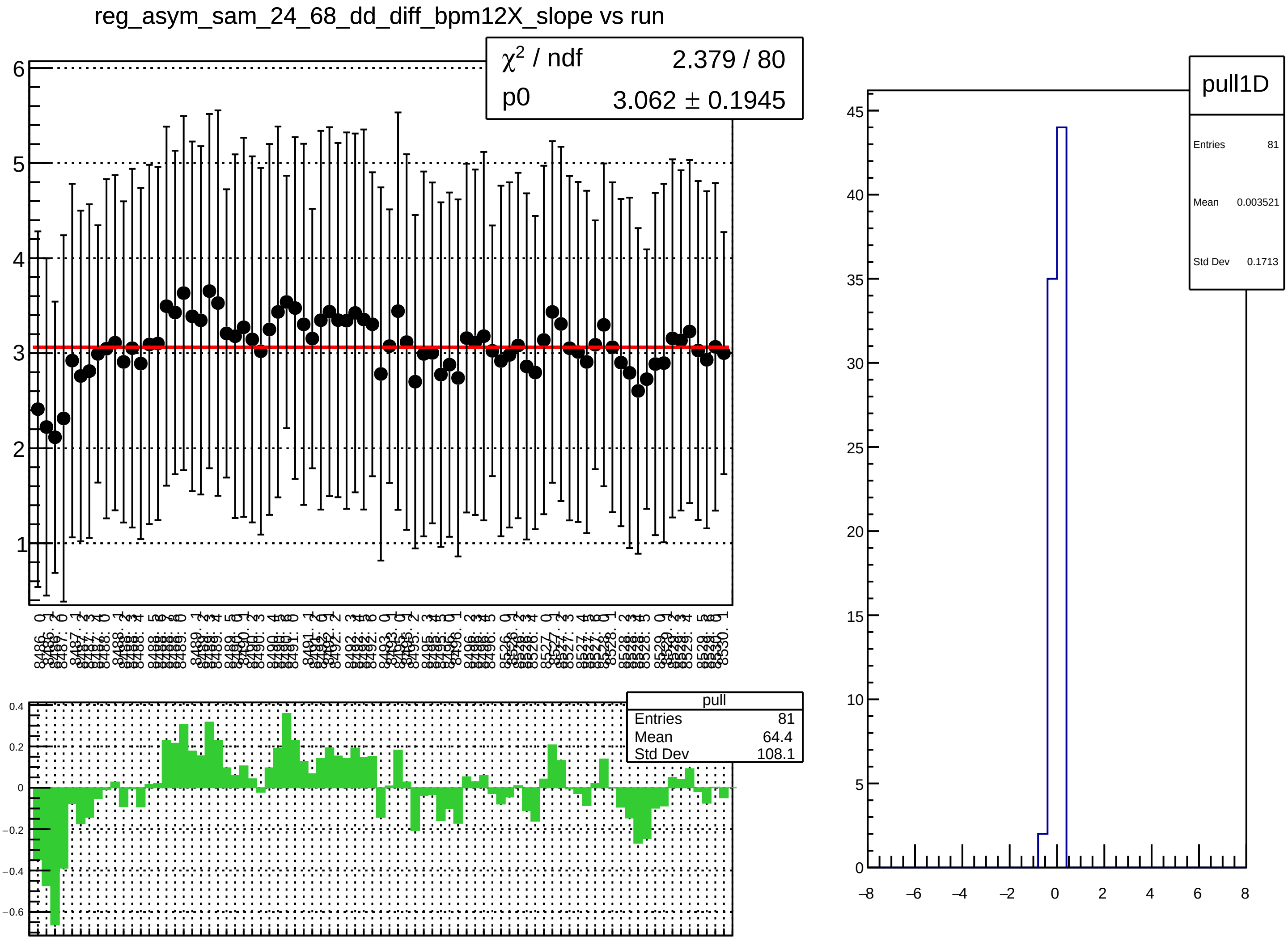
reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.683 / 80
p0 −39.83 ± 3.066
pull
Entries 81
Mean −1307
Std Dev 1342
pull1D
Entries 81
Mean 0.002471
Std Dev 0.2649



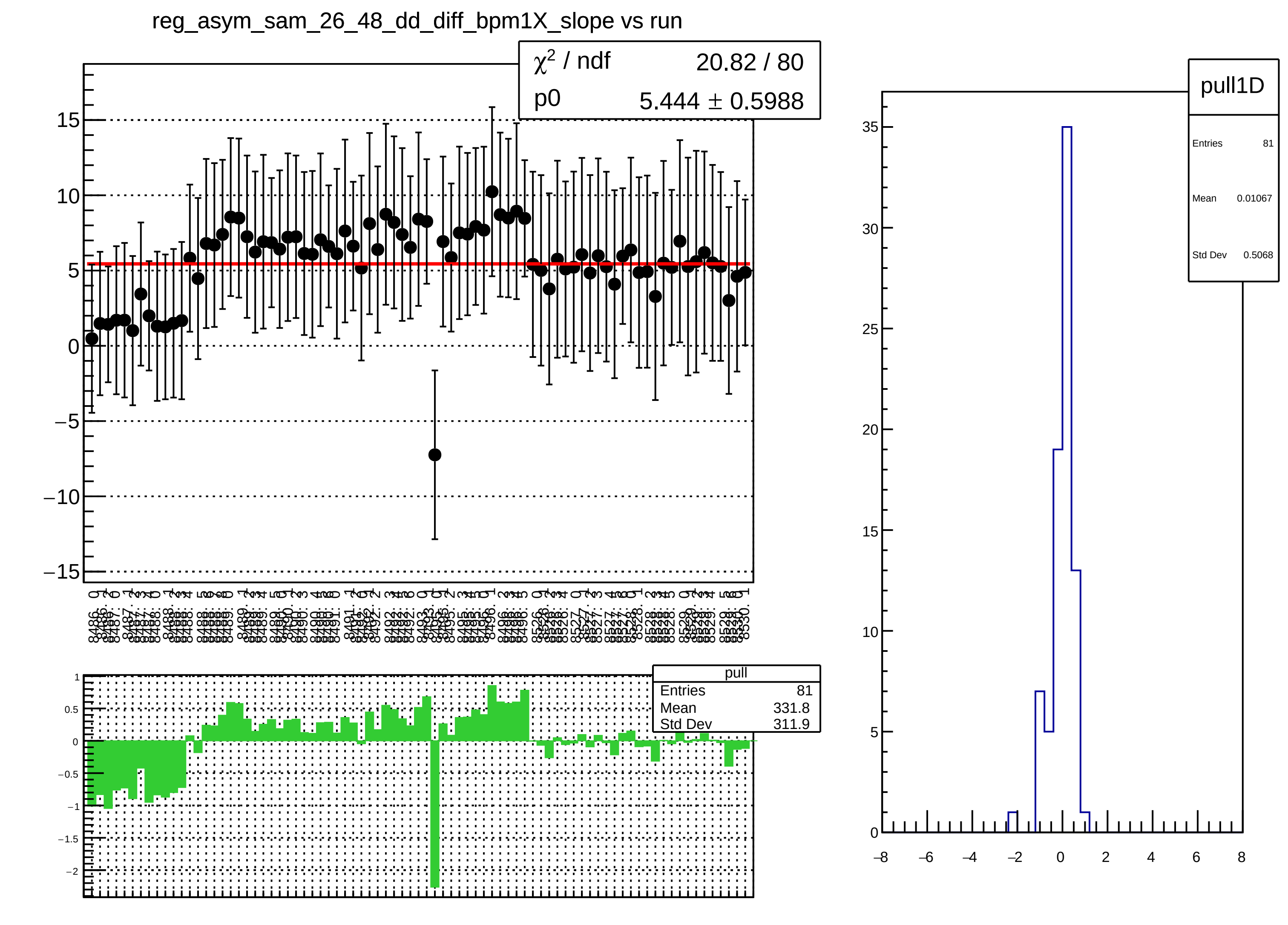
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ2 / ndf 1.697 / 80
p0 −82.1 ± 2.061
pull
Entries 81
Mean 292.1
Std Dev 257.3
pull1D
Entries 81
Mean 0.008409
Std Dev 0.1445



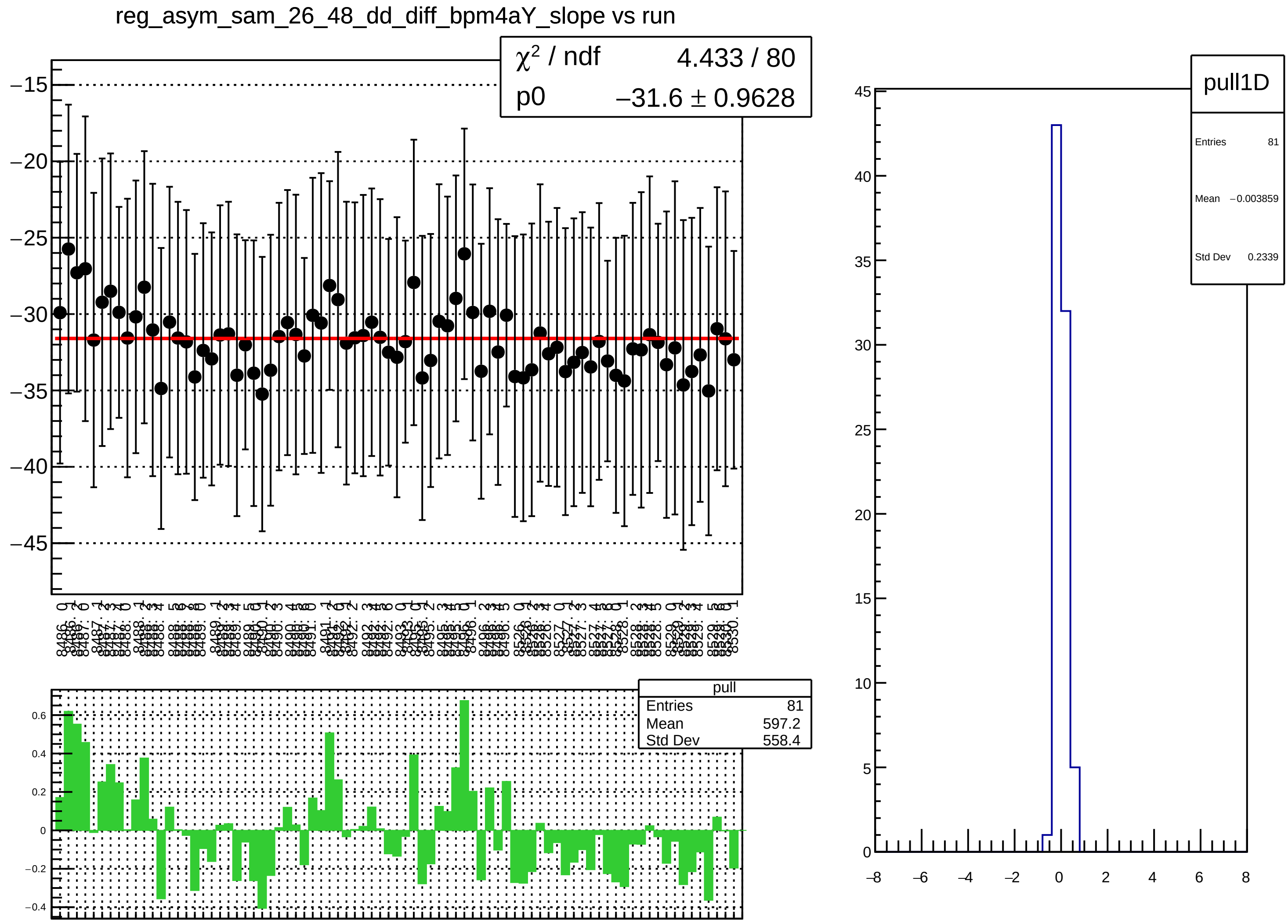
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.647 / 80
p0 22.74 ± 3.244
pull
Entries 81
Mean −3031
Std Dev 3067
pull1D
Entries 81
Mean −0.001154
Std Dev 0.264

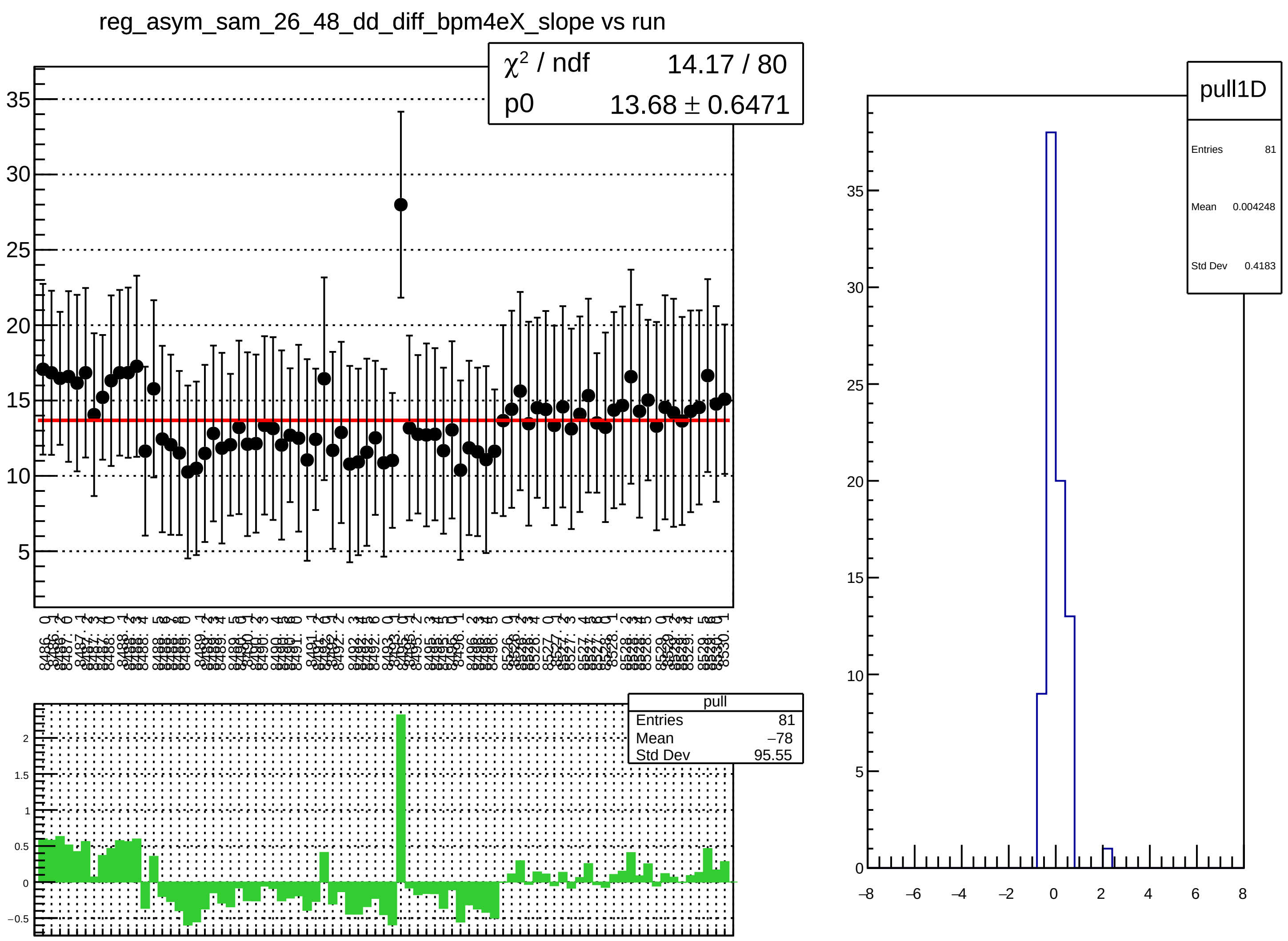


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ2 / ndf 2.379 / 80
p0 3.062 ± 0.1945
pull
Entries 81
Mean 64.4
Std Dev 108.1
pull1D
Entries 81
Mean 0.003521
Std Dev 0.1713

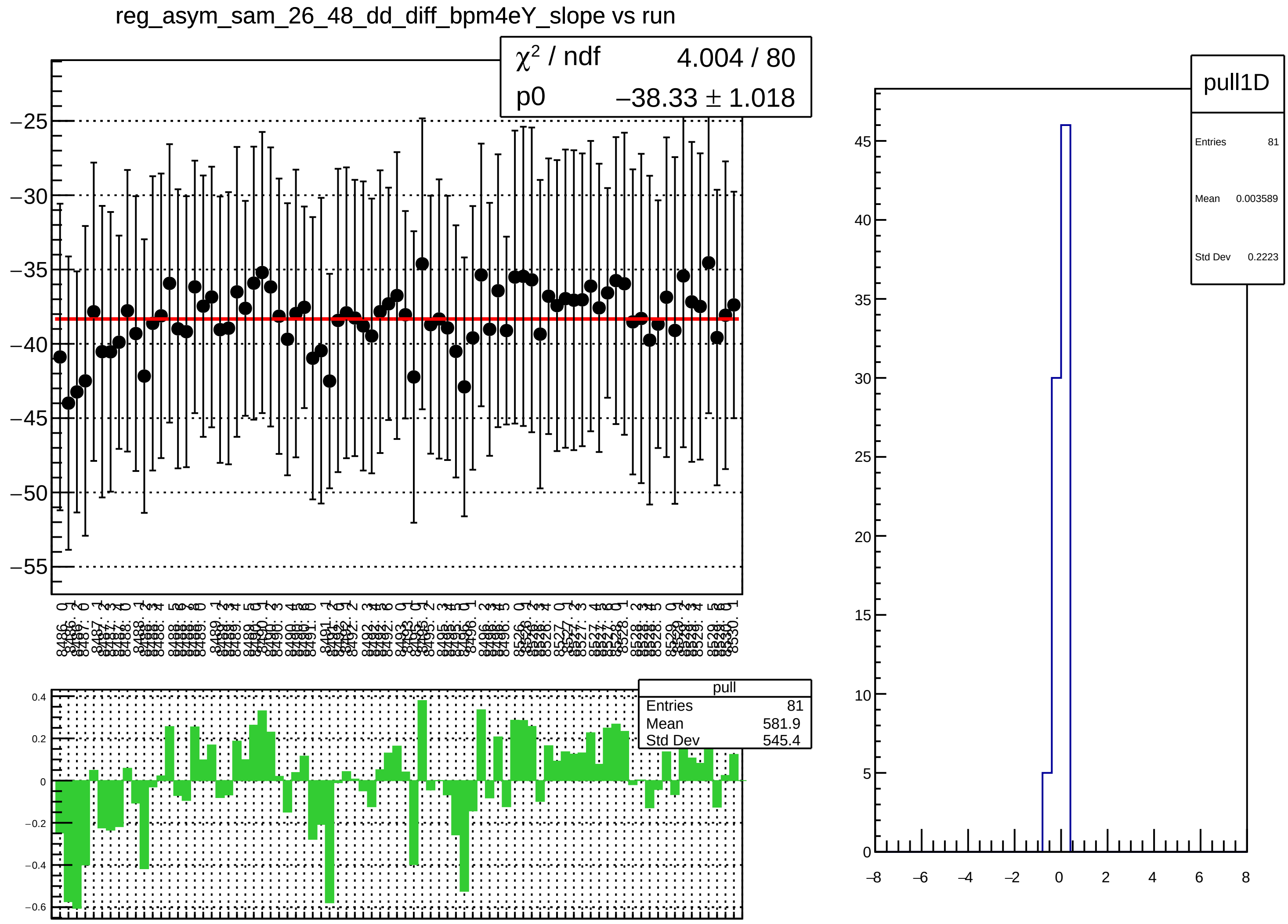


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 20.82 / 80
p0 5.444 ± 0.5988
pull
Entries 81
Mean 331.8
Std Dev 311.9
pull1D
Entries 81
Mean 0.01067
Std Dev 0.5068

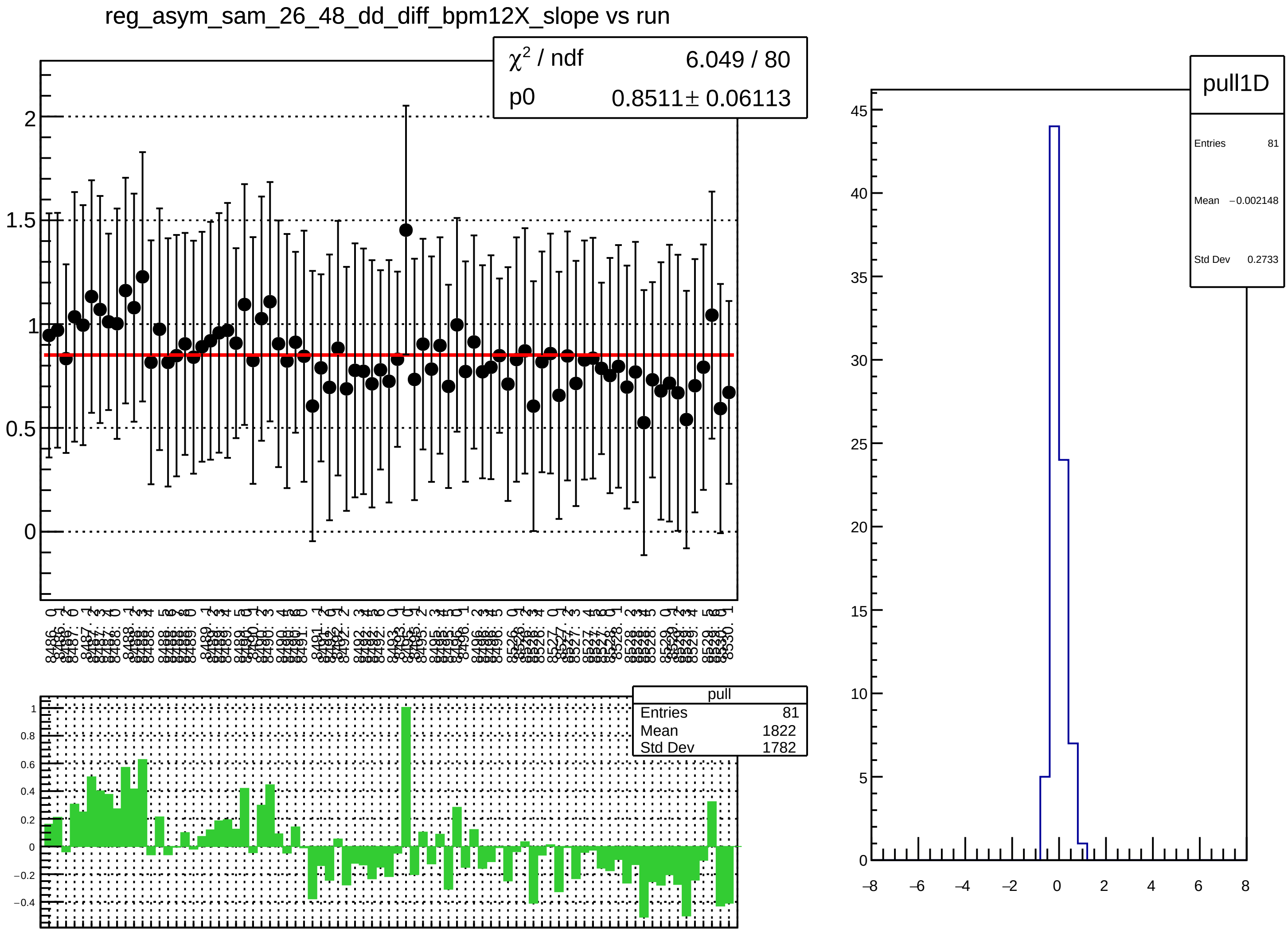

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.433 / 80
p0 −31.6 ± 0.9628
pull
Entries 81
Mean 597.2
Std Dev 558.4
pull1D
Entries 81
Mean −0.003859
Std Dev 0.2339

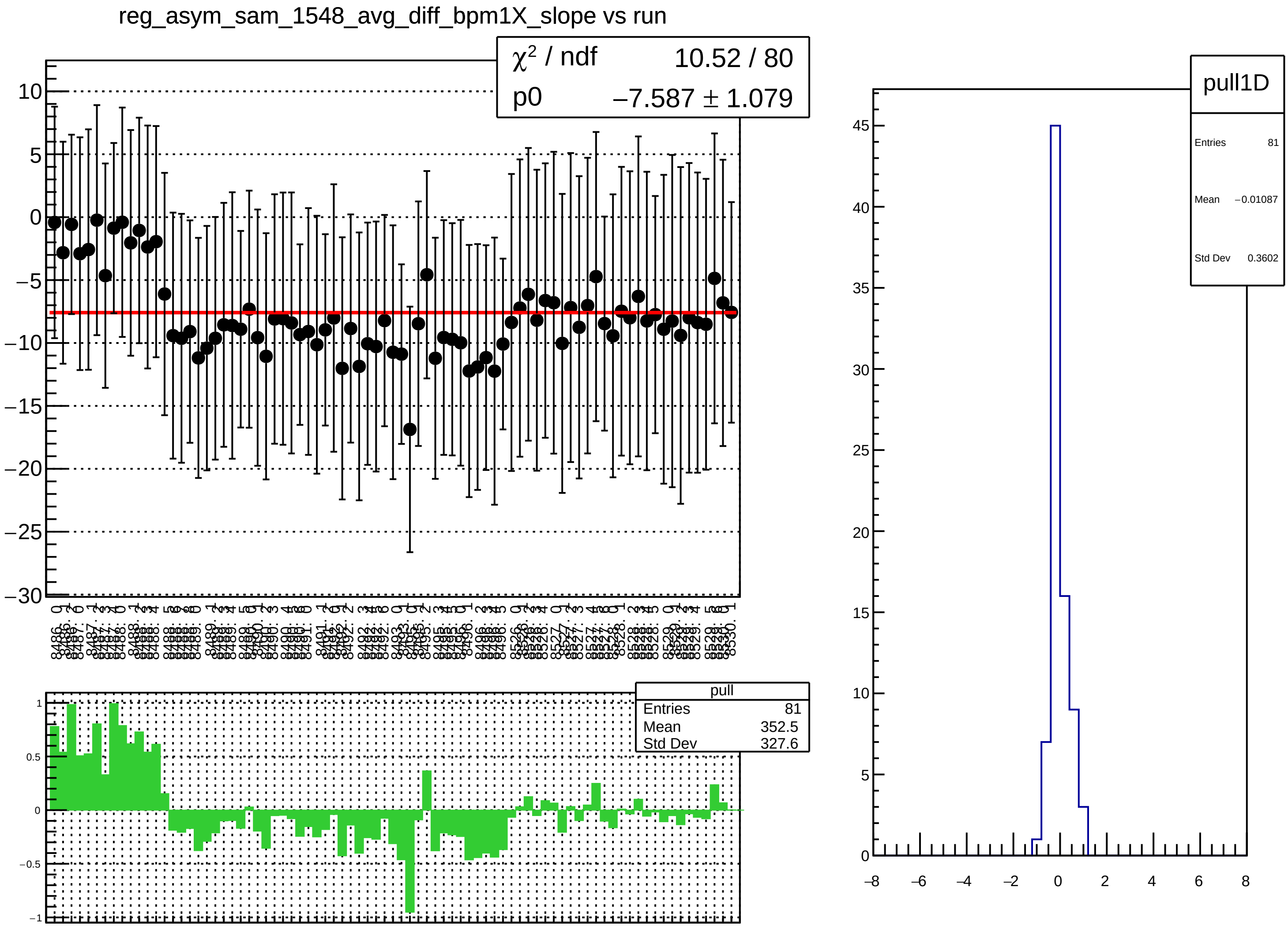


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.17 / 80
p0 13.68 ± 0.6471
pull
Entries 81
Mean −78
Std Dev 95.55
pull1D
Entries 81
Mean 0.004248
Std Dev 0.4183

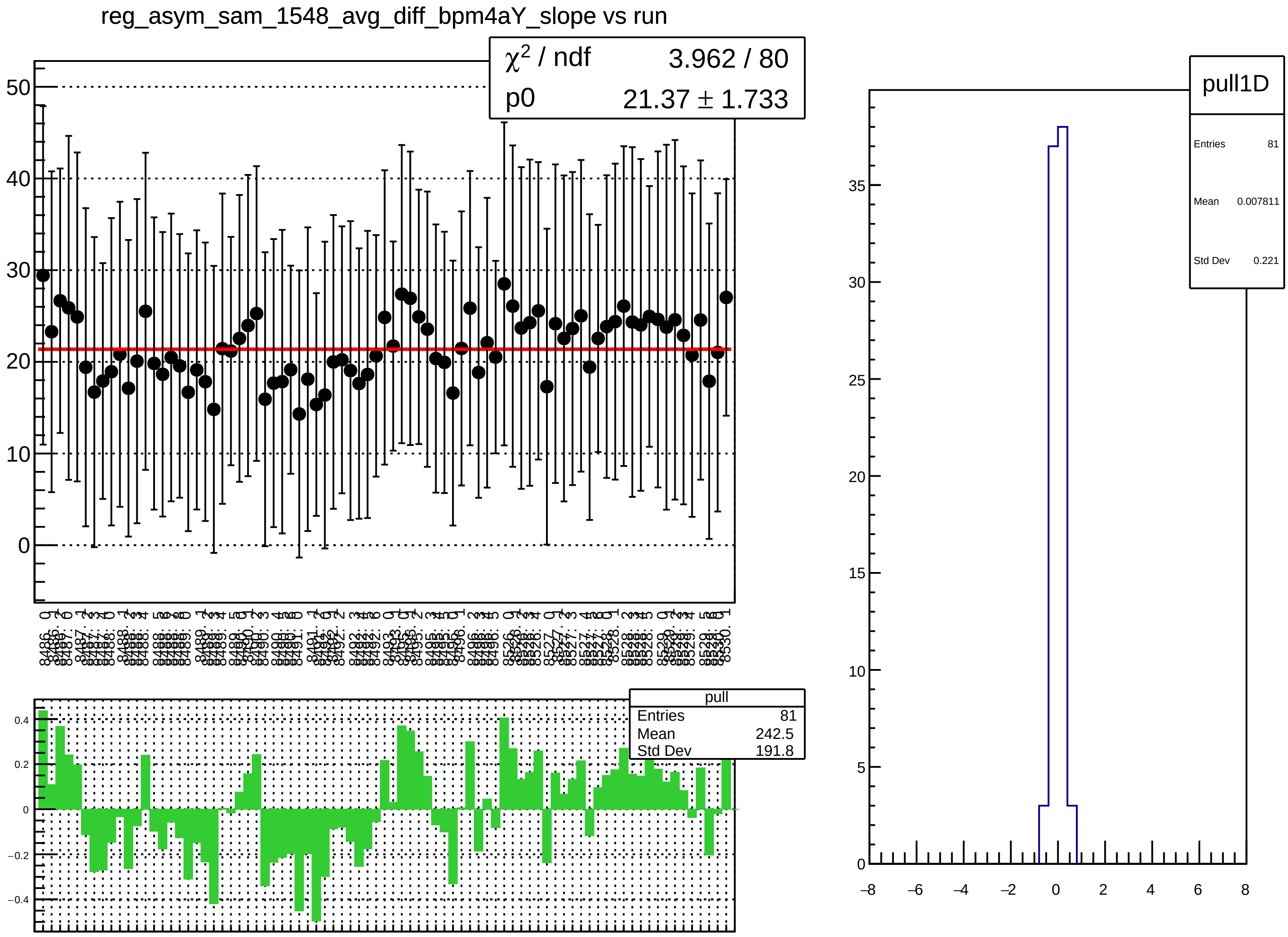


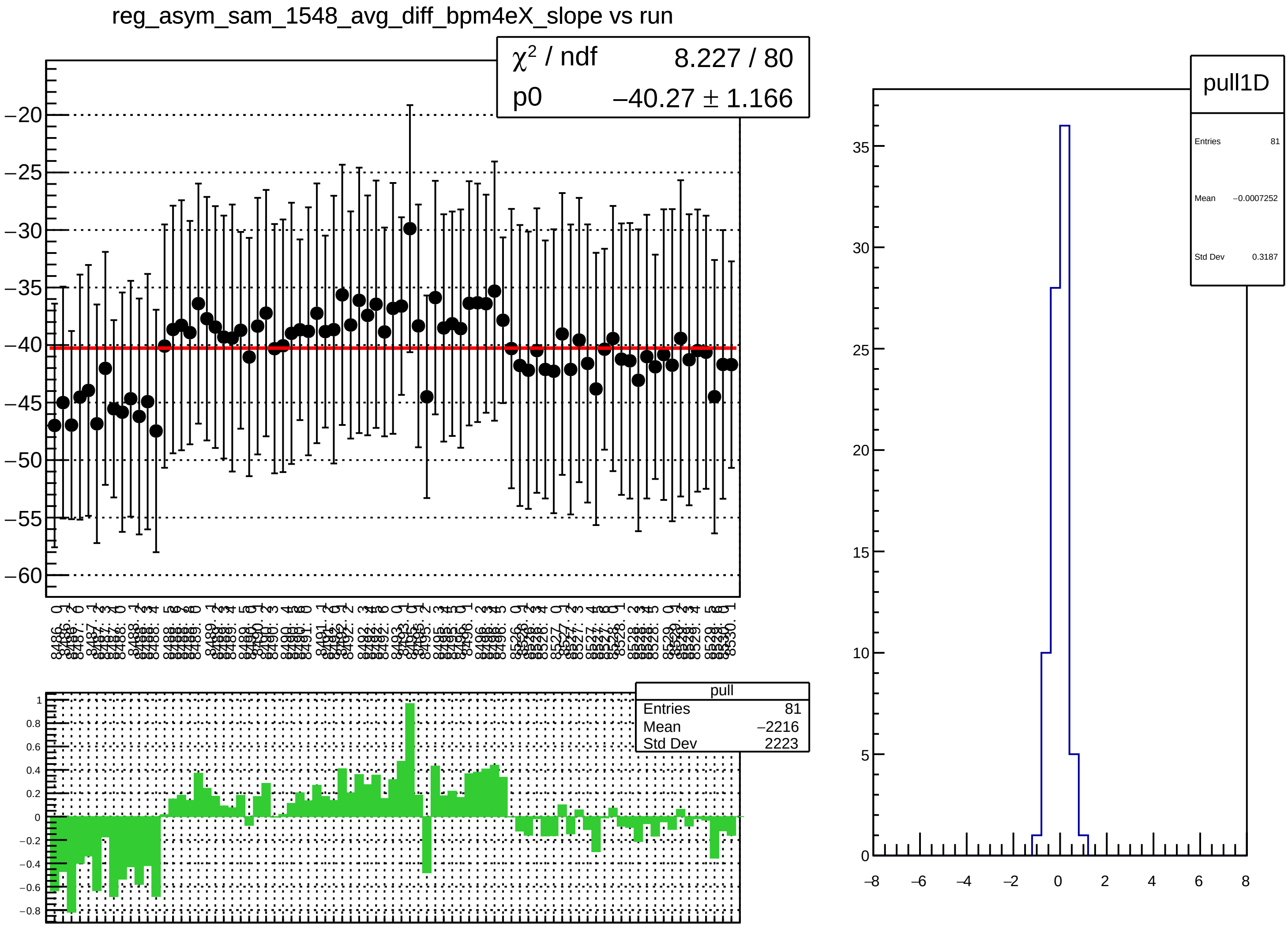
reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.004 / 80
p0 −38.33 ± 1.018
pull
Entries 81
Mean 581.9
Std Dev 545.4
pull1D
Entries 81
Mean 0.003589
Std Dev 0.2223


reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.049 / 80
p0 0.8511± 0.06113
pull
Entries 81
Mean 1822
Std Dev 1782
pull1D
Entries 81
Mean −0.002148
Std Dev 0.2733

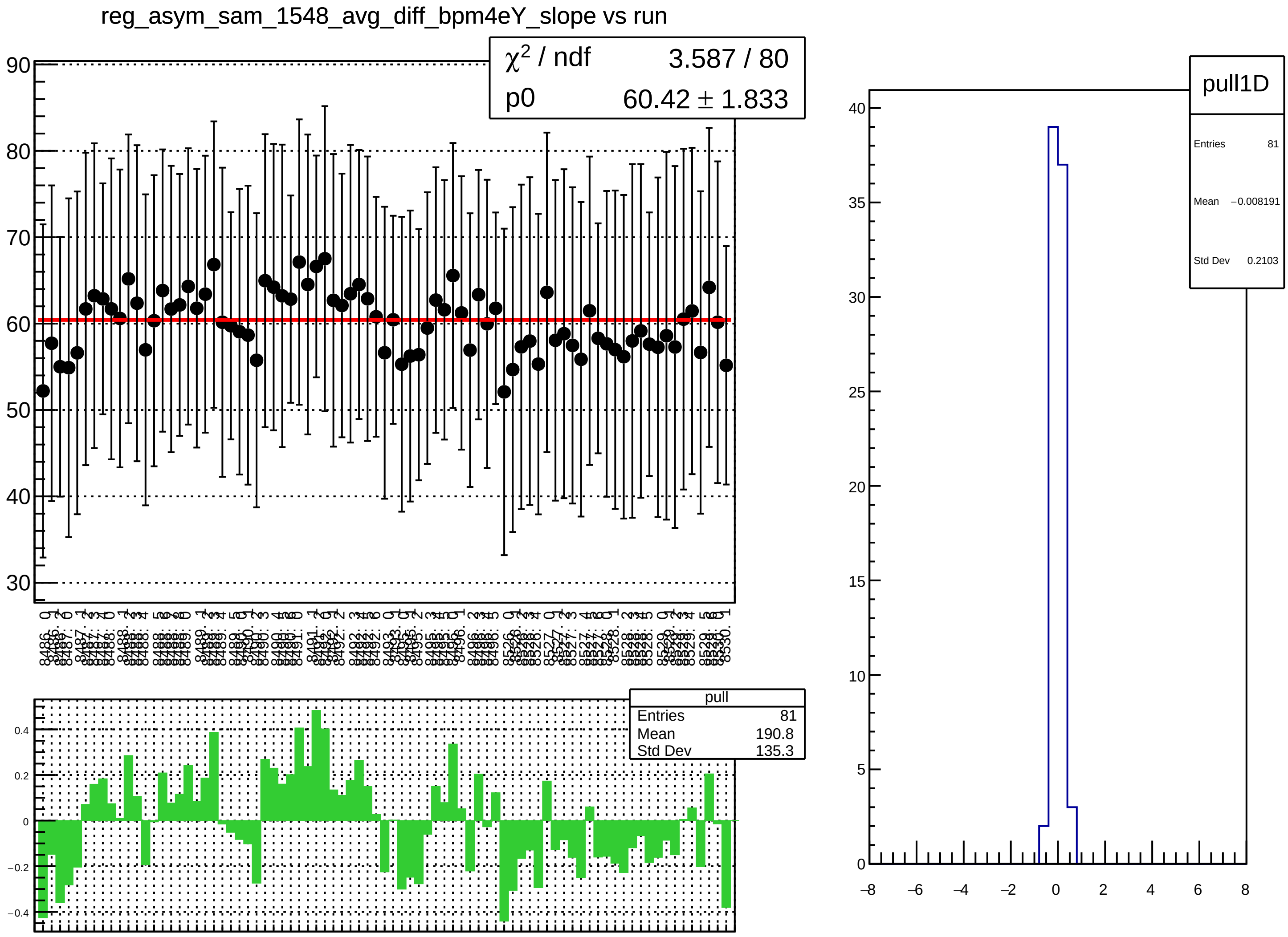


reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ2 / ndf 10.52 / 80
p0 −7.587 ± 1.079
pull
Entries 81
Mean 352.5
Std Dev 327.6
pull1D
Entries 81
Mean −0.01087
Std Dev 0.3602

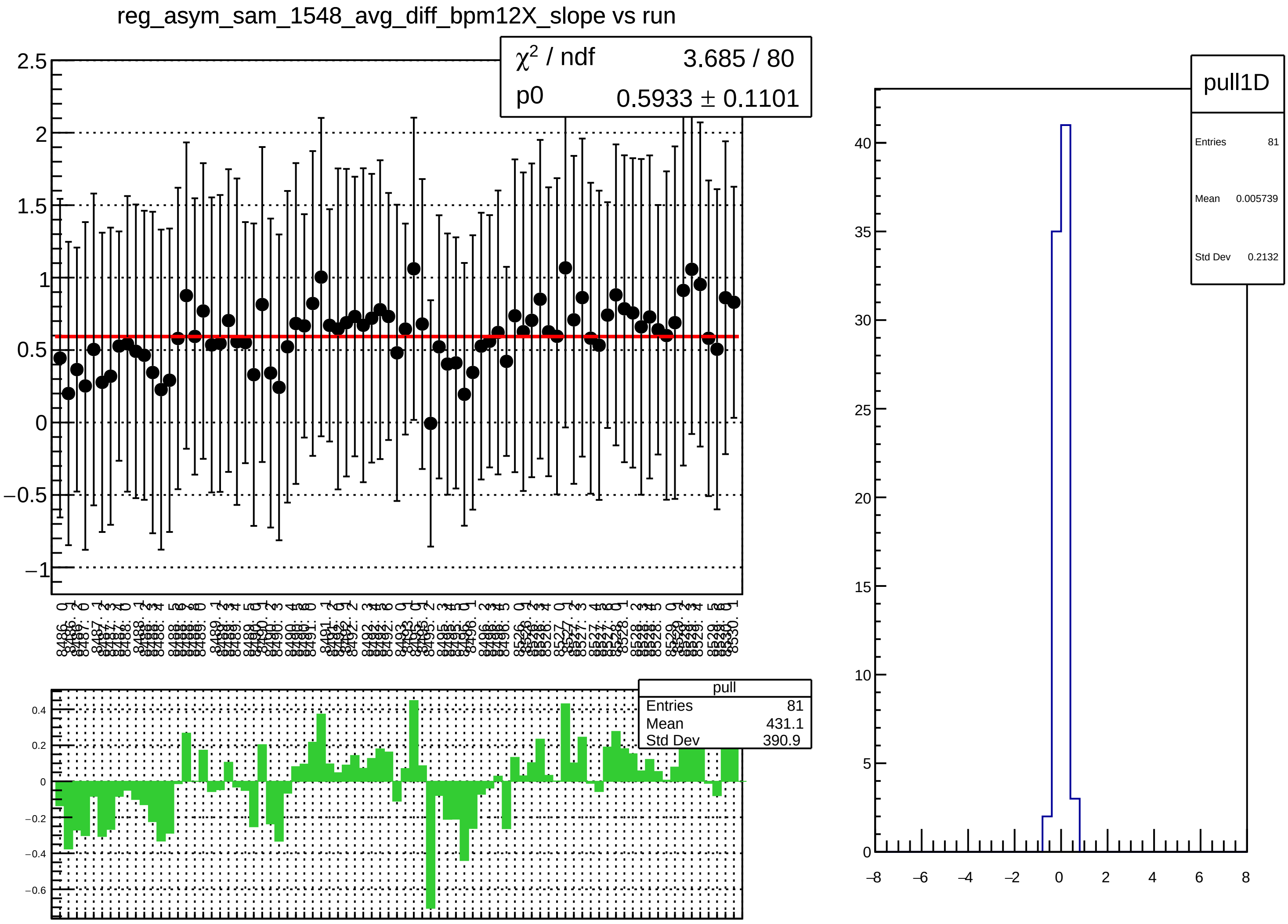

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.962 / 80
p0 21.37 ± 1.733
pull
Entries 81
Mean 242.5
Std Dev 191.8
pull1D
Entries 81
Mean 0.007811
Std Dev 0.221



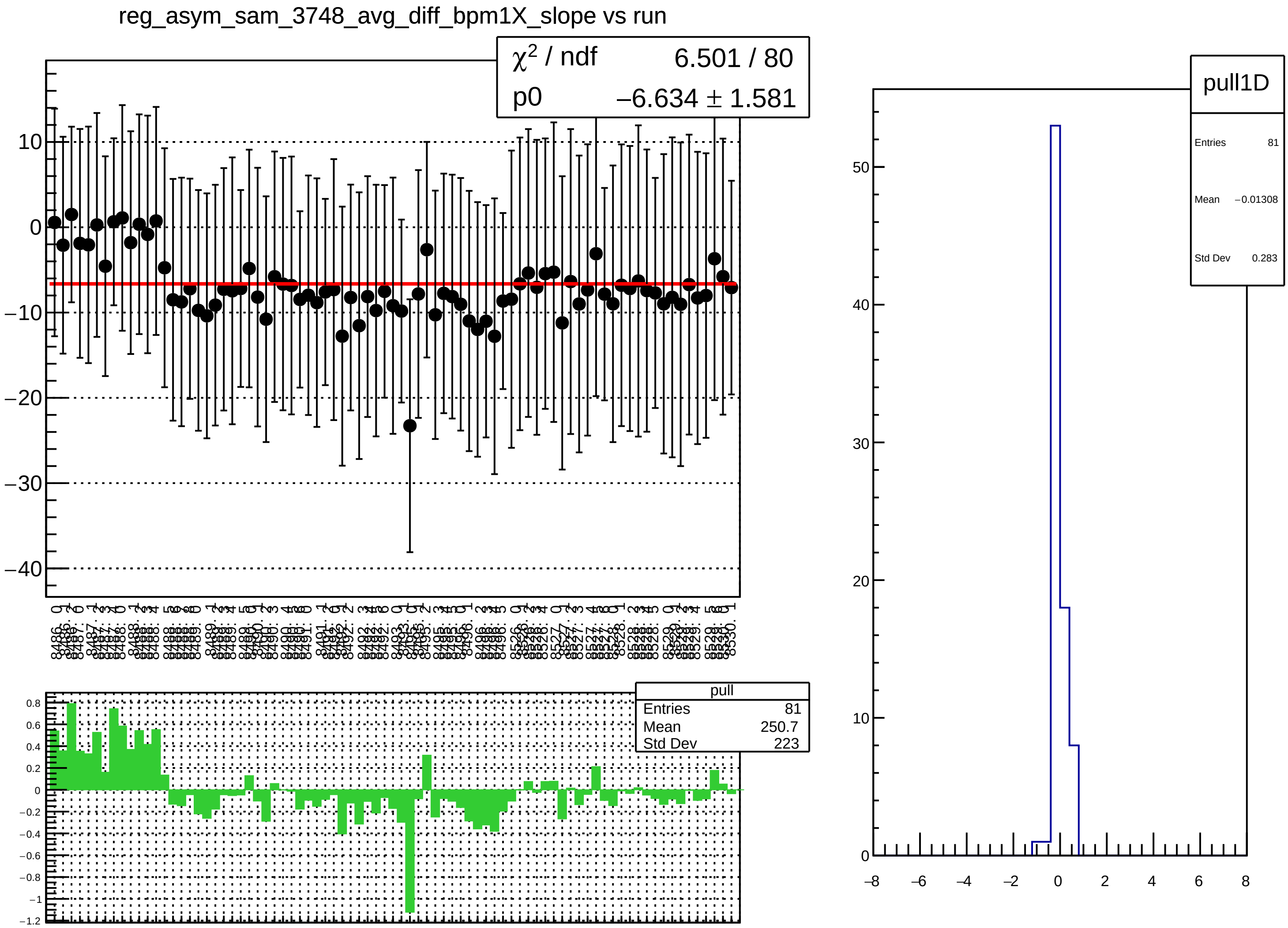
reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.227 / 80
p0 −40.27 ± 1.166
pull
Entries 81
Mean −2216
Std Dev 2223
pull1D
Entries 81
Mean −0.0007252
Std Dev 0.3187



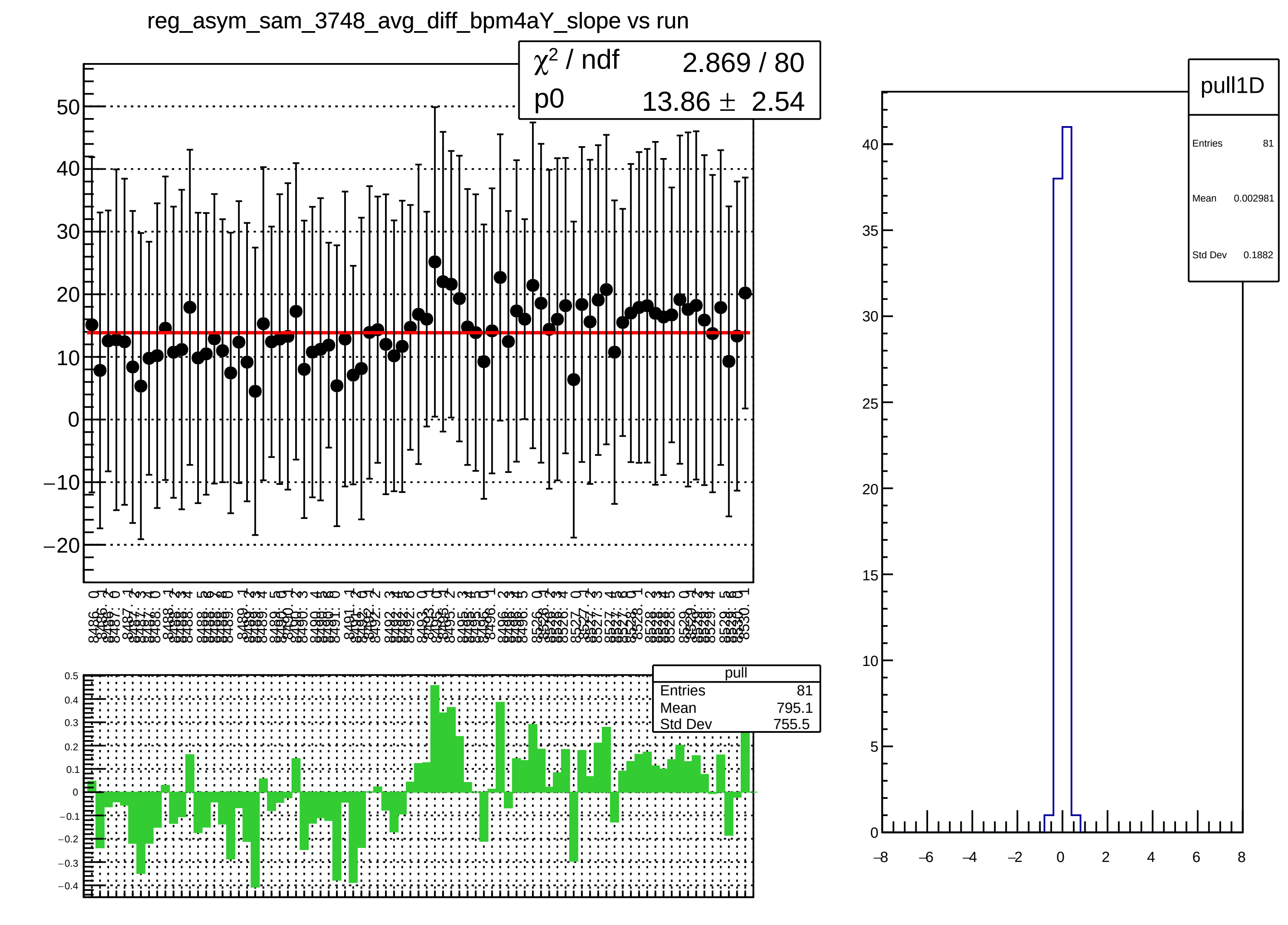
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ2 / ndf 3.587 / 80
p0 60.42 ± 1.833
pull
Entries 81
Mean 190.8
Std Dev 135.3
pull1D
Entries 81
Mean −0.008191
Std Dev 0.2103

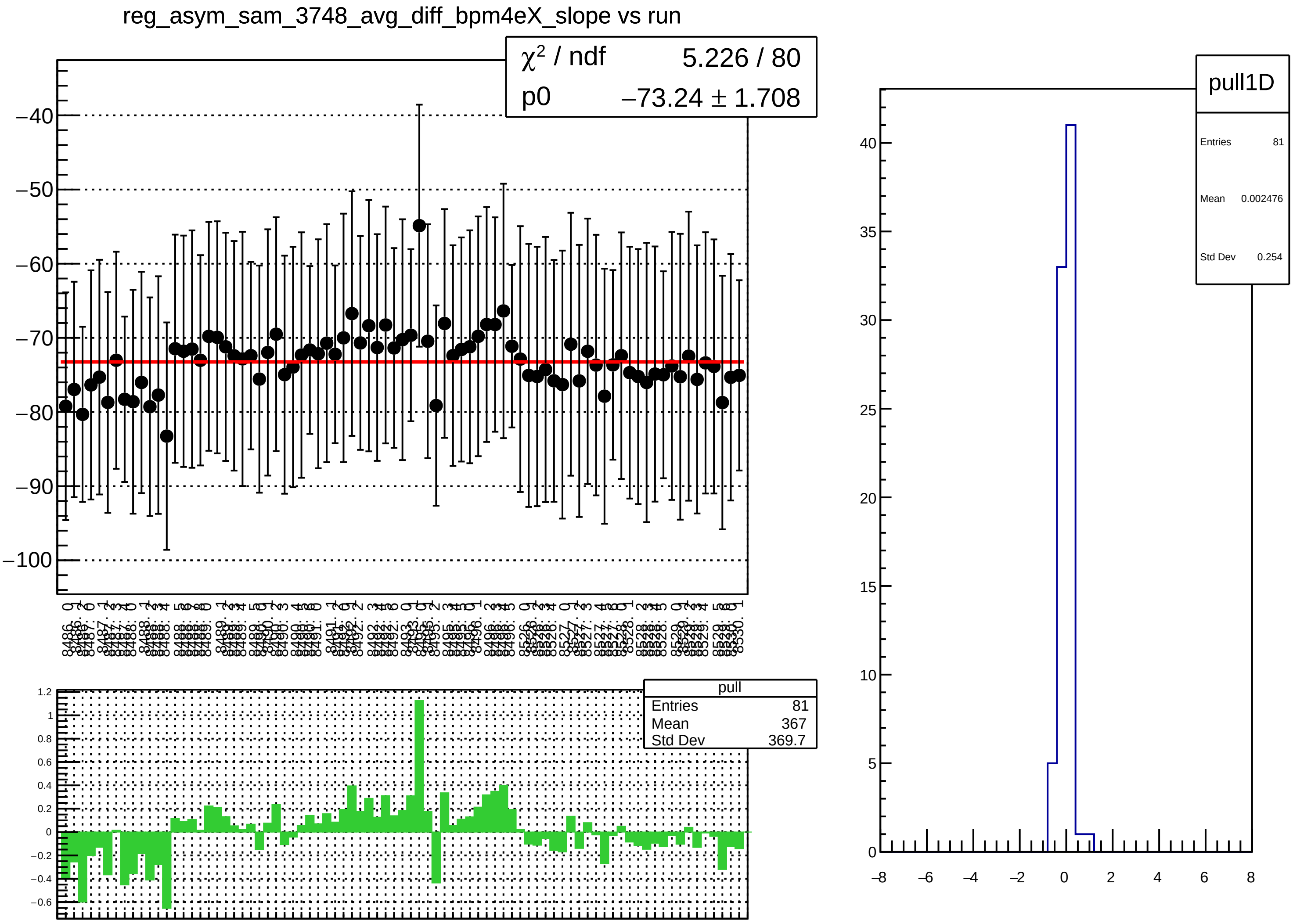


reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.685 / 80
p0 0.5933 ± 0.1101
pull
Entries 81
Mean 431.1
Std Dev 390.9
pull1D
Entries 81
Mean 0.005739
Std Dev 0.2132

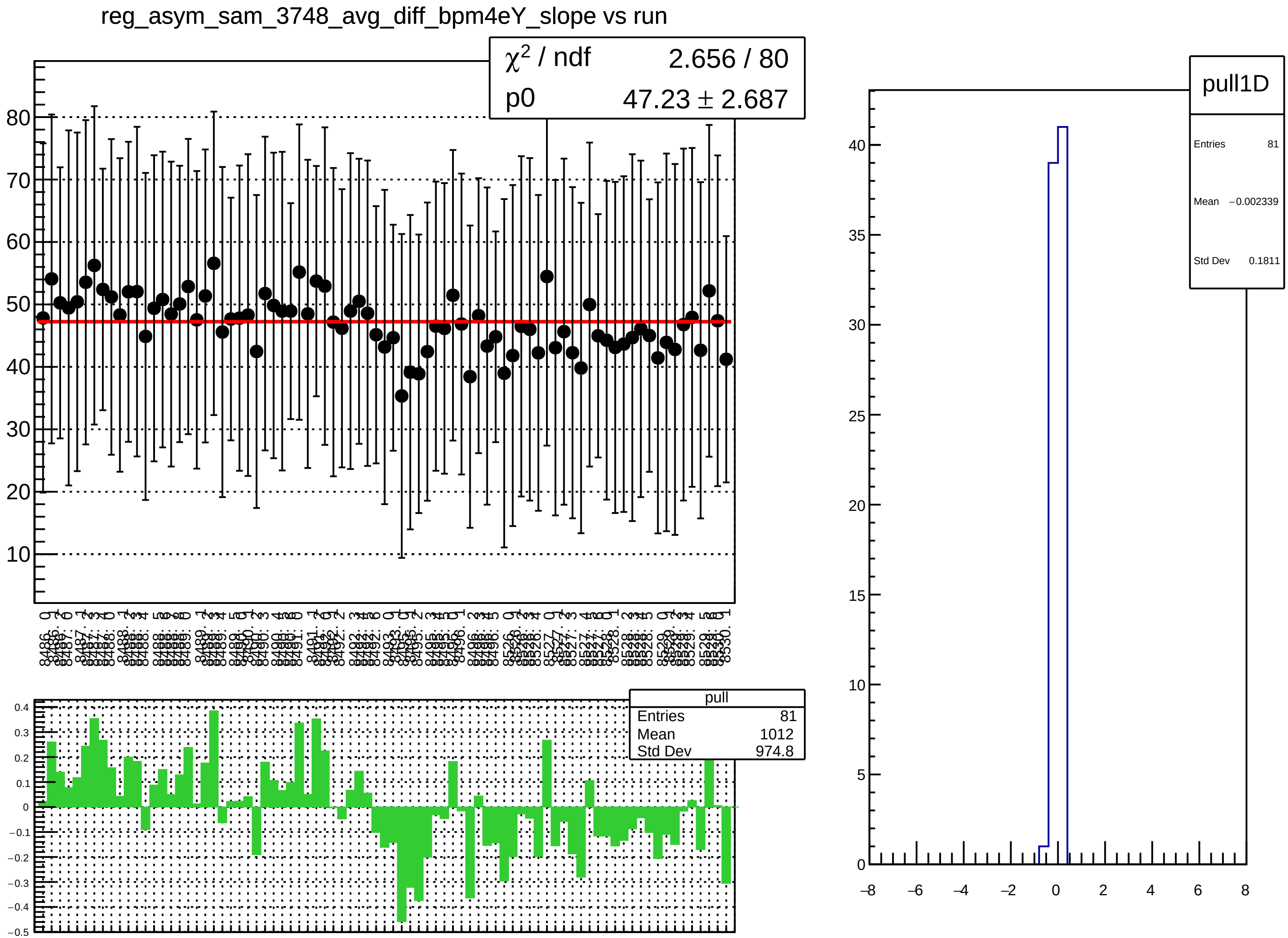


reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ2 / ndf 6.501 / 80
p0 −6.634 ± 1.581
pull
Entries 81
Mean 250.7
Std Dev 223
pull1D
Entries 81
Mean −0.01308
Std Dev 0.283

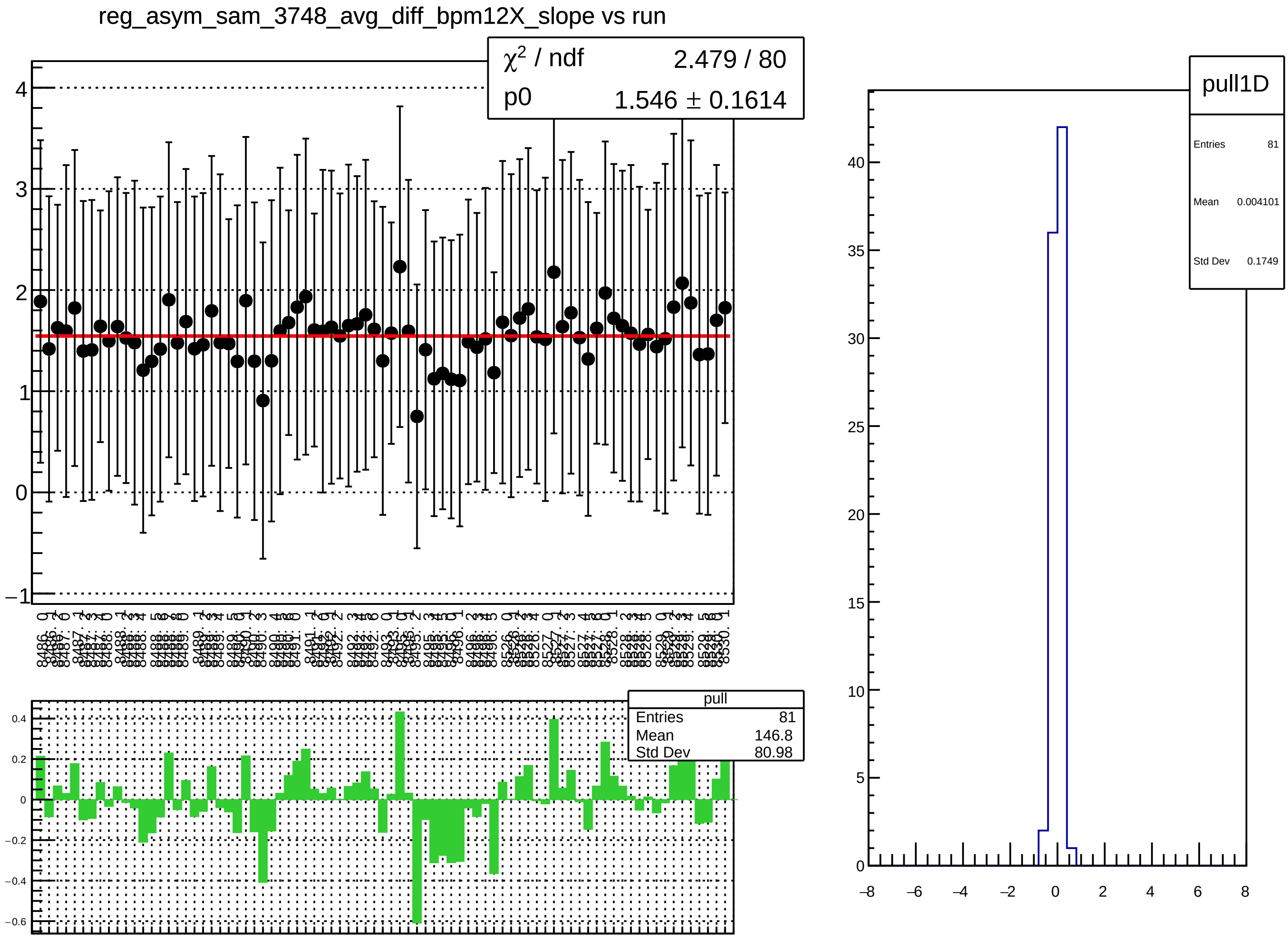

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.869 / 80
p0 13.86 ± 2.54
pull
Entries 81
Mean 795.1
Std Dev 755.5
pull1D
Entries 81
Mean 0.002981
Std Dev 0.1882

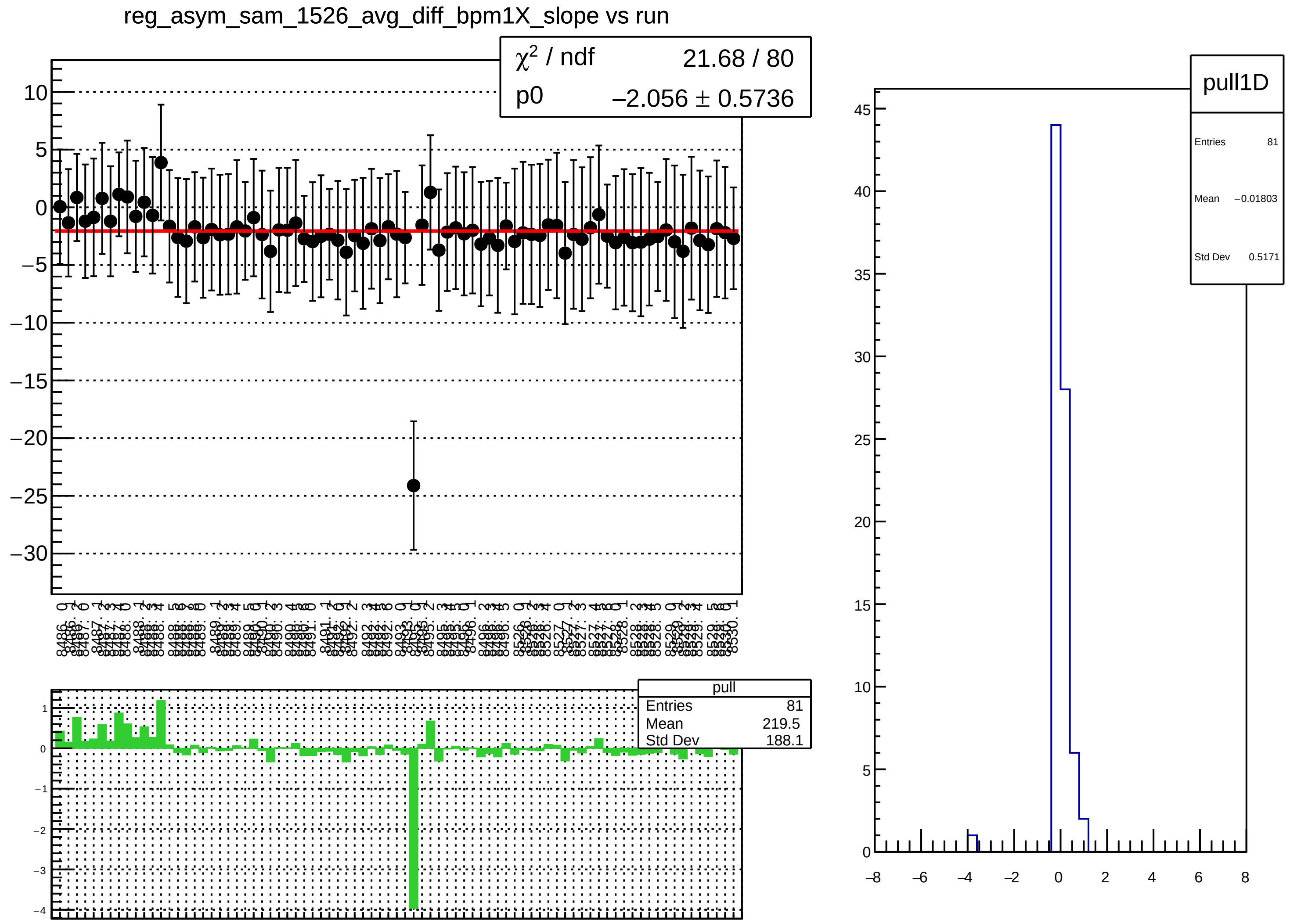


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ2 / ndf 5.226 / 80
p0 −73.24 ± 1.708
pull
Entries 81
Mean 367
Std Dev 369.7
pull1D
Entries 81
Mean 0.002476
Std Dev 0.254

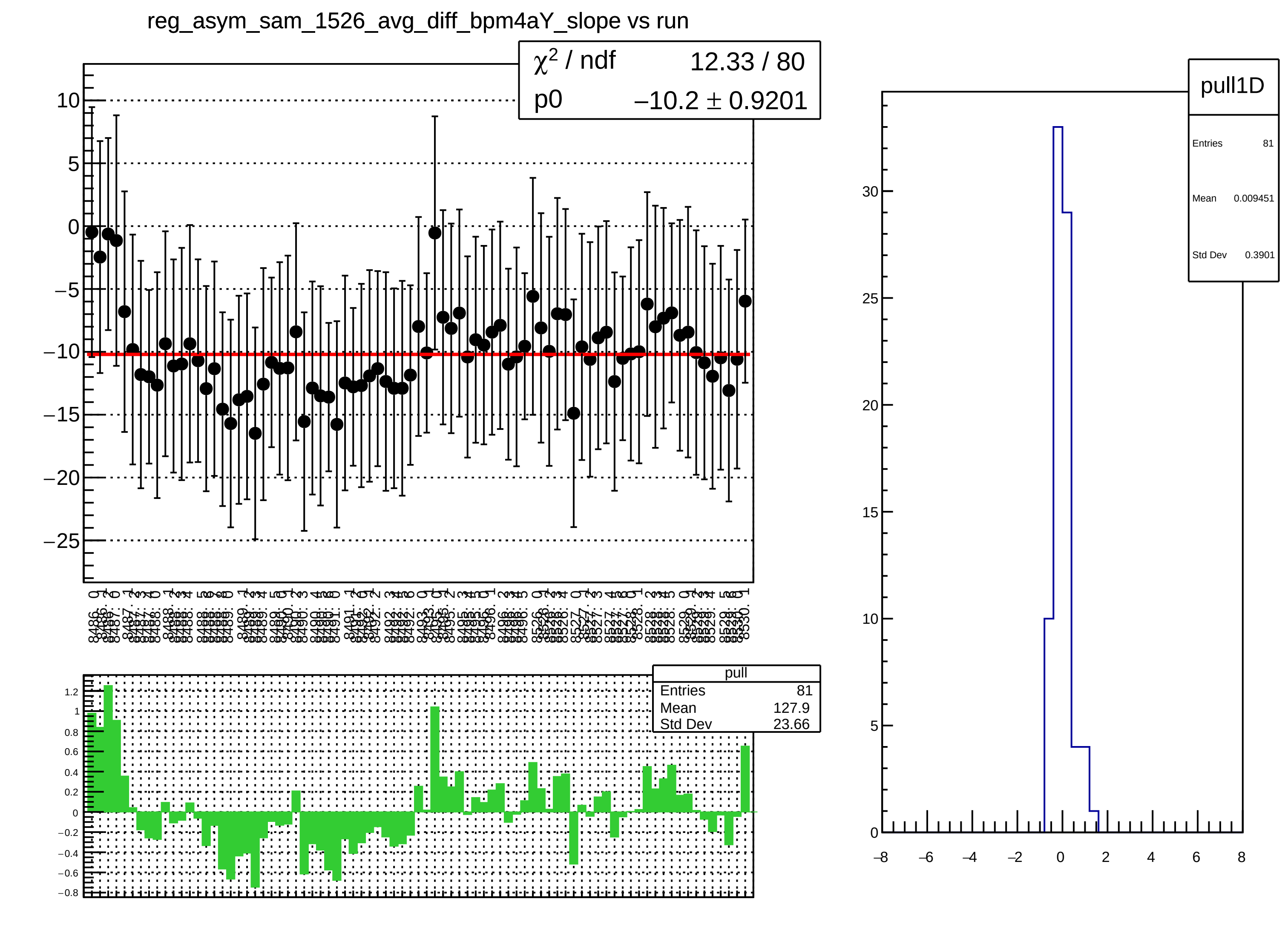


reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.656 / 80
p0 47.23 ± 2.687
pull
Entries 81
Mean 1012
Std Dev 974.8
pull1D
Entries 81
Mean −0.002339
Std Dev 0.1811

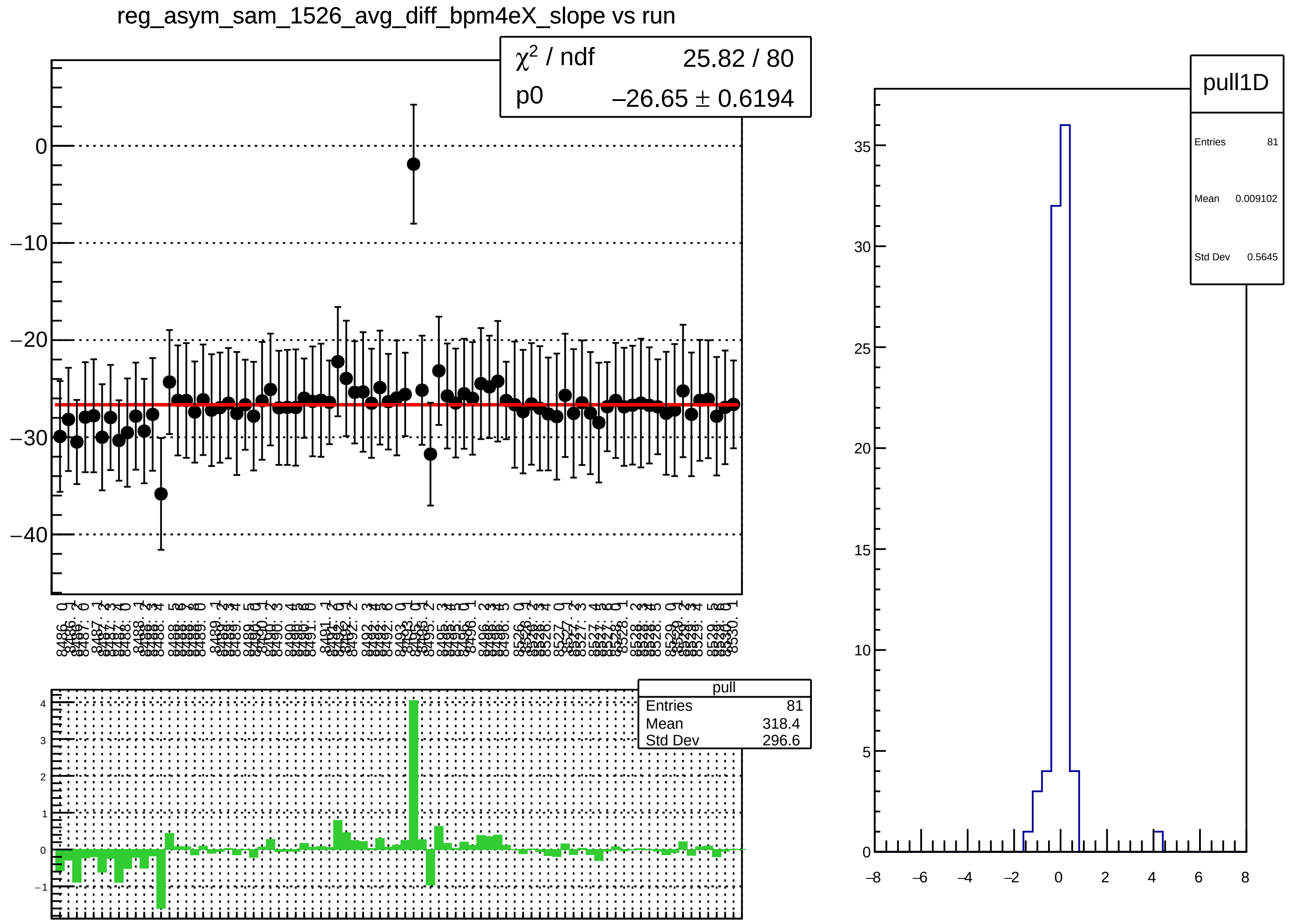

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.479 / 80
p0 1.546 ± 0.1614
pull
Entries 81
Mean 146.8
Std Dev 80.98
pull1D
Entries 81
Mean 0.004101
Std Dev 0.1749



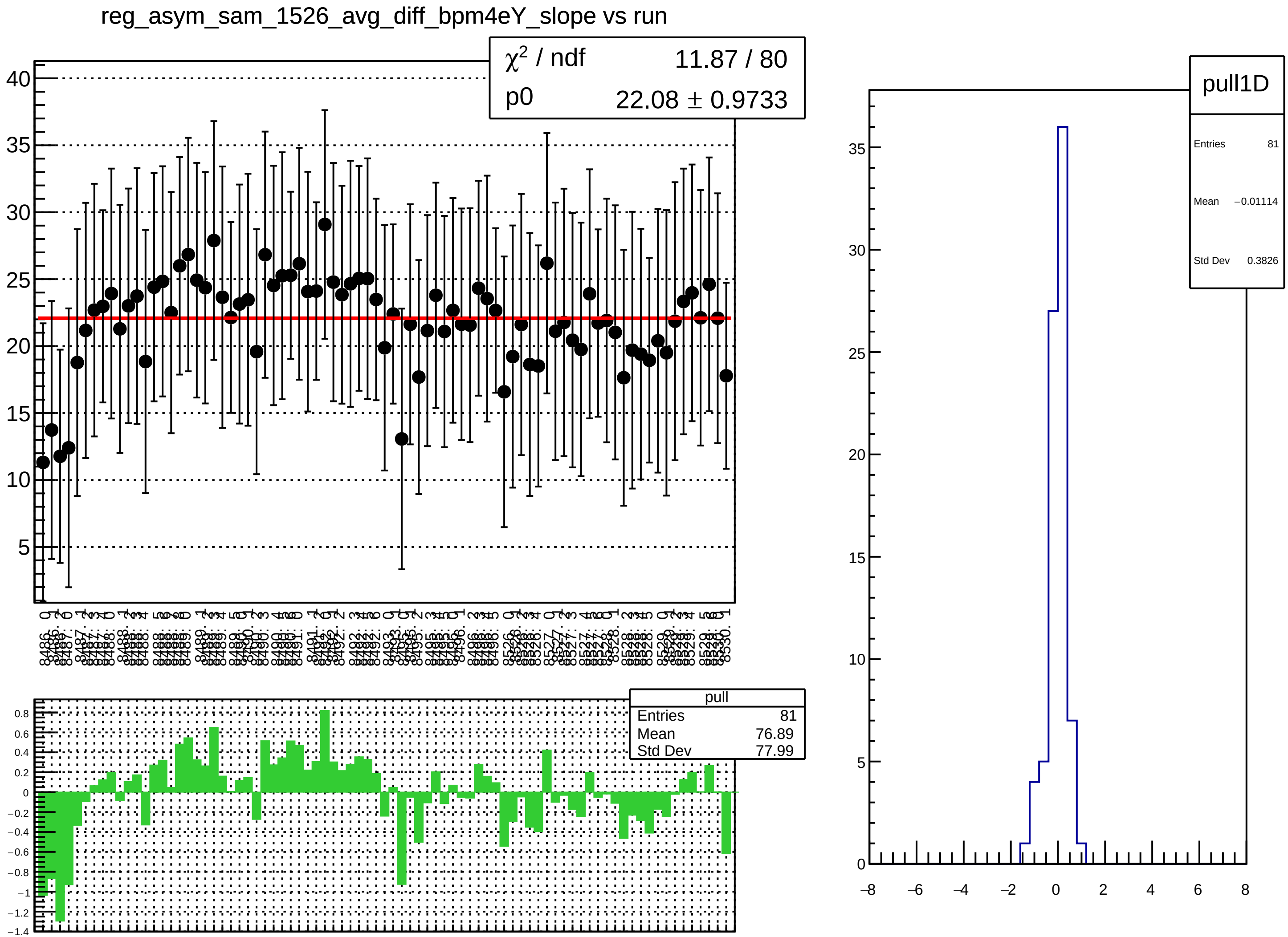
reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 21.68 / 80
p0 −2.056 ± 0.5736
pull
Entries 81
Mean 219.5
Std Dev 188.1
pull1D
Entries 81
Mean −0.01803
Std Dev 0.5171



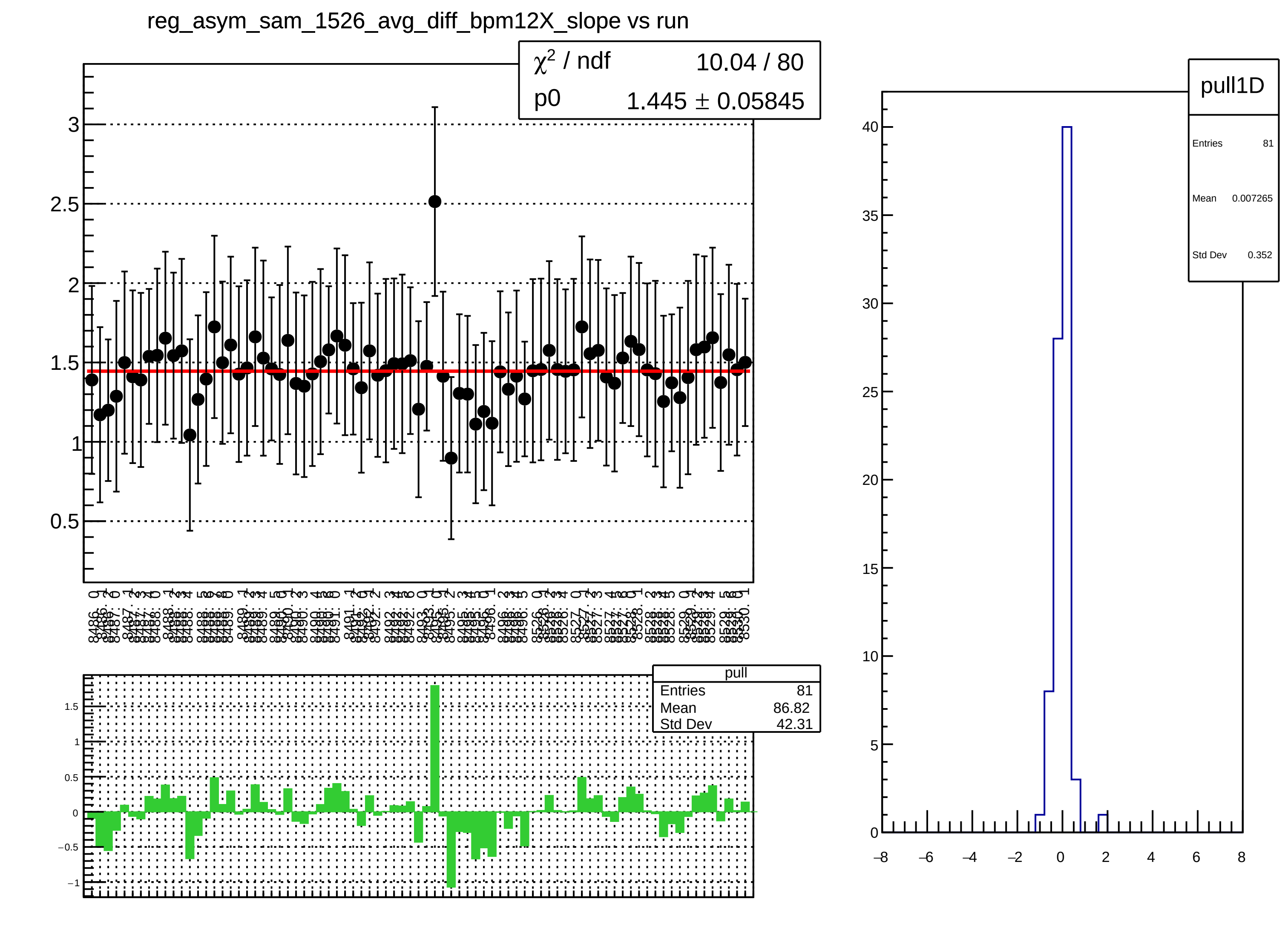
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.33 / 80
p0 −10.2 ± 0.9201
pull
Entries 81
Mean 127.9
Std Dev 23.66
pull1D
Entries 81
Mean 0.009451
Std Dev 0.3901



reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ2 / ndf 25.82 / 80
p0 −26.65 ± 0.6194
0
−10
−20
−30
−40
pull
Entries 81
Mean 318.4
Std Dev 296.6
pull1D
Entries 81
Mean 0.009102
Std Dev 0.5645
35
30
25
20
15
10
5
0
−8 −6 −4 −2 0 2 4 6 8

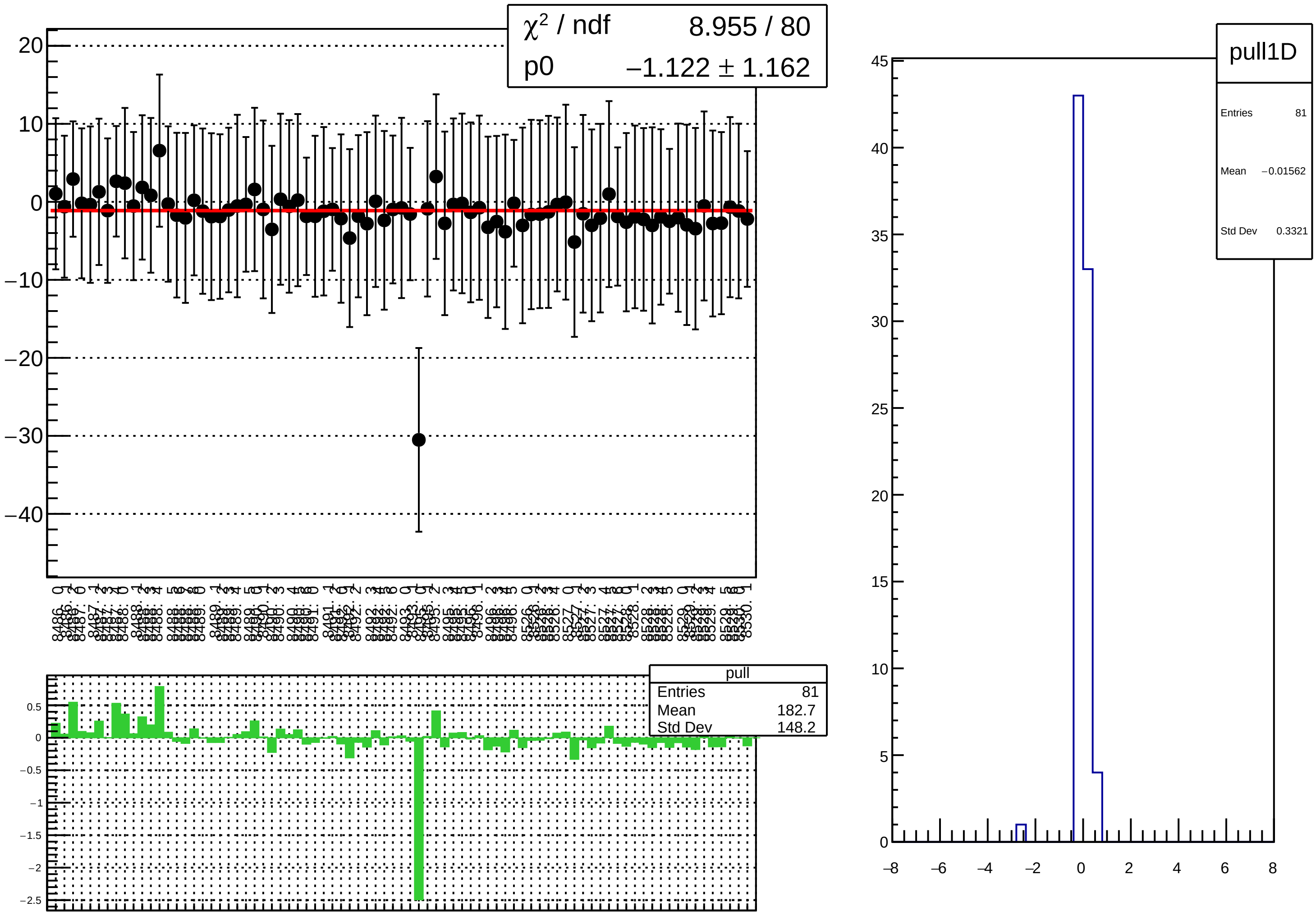


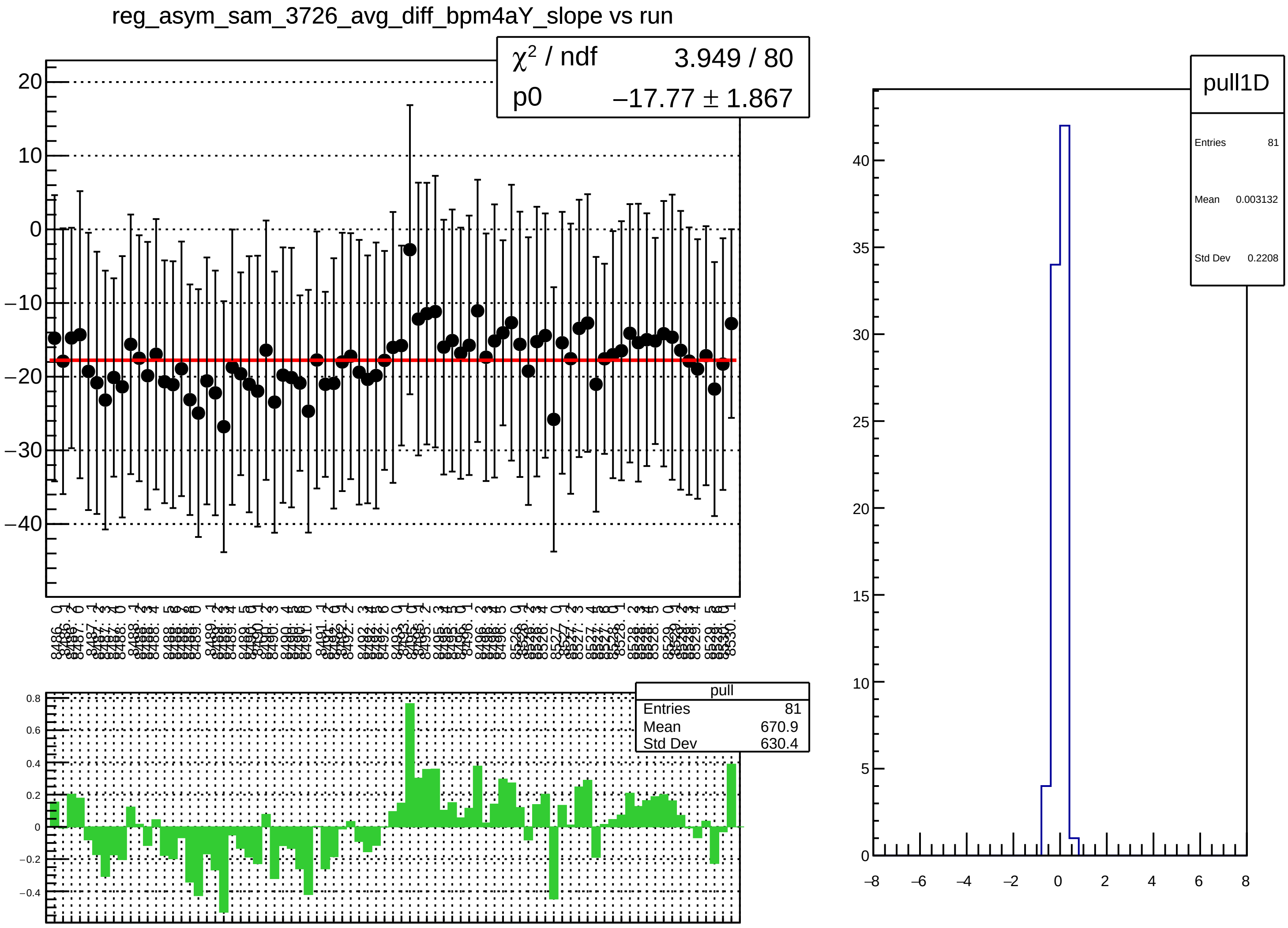
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.87 / 80
p0 22.08 ± 0.9733
pull
Entries 81
Mean 76.89
Std Dev 77.99
pull1D
Entries 81
Mean −0.01114
Std Dev 0.3826



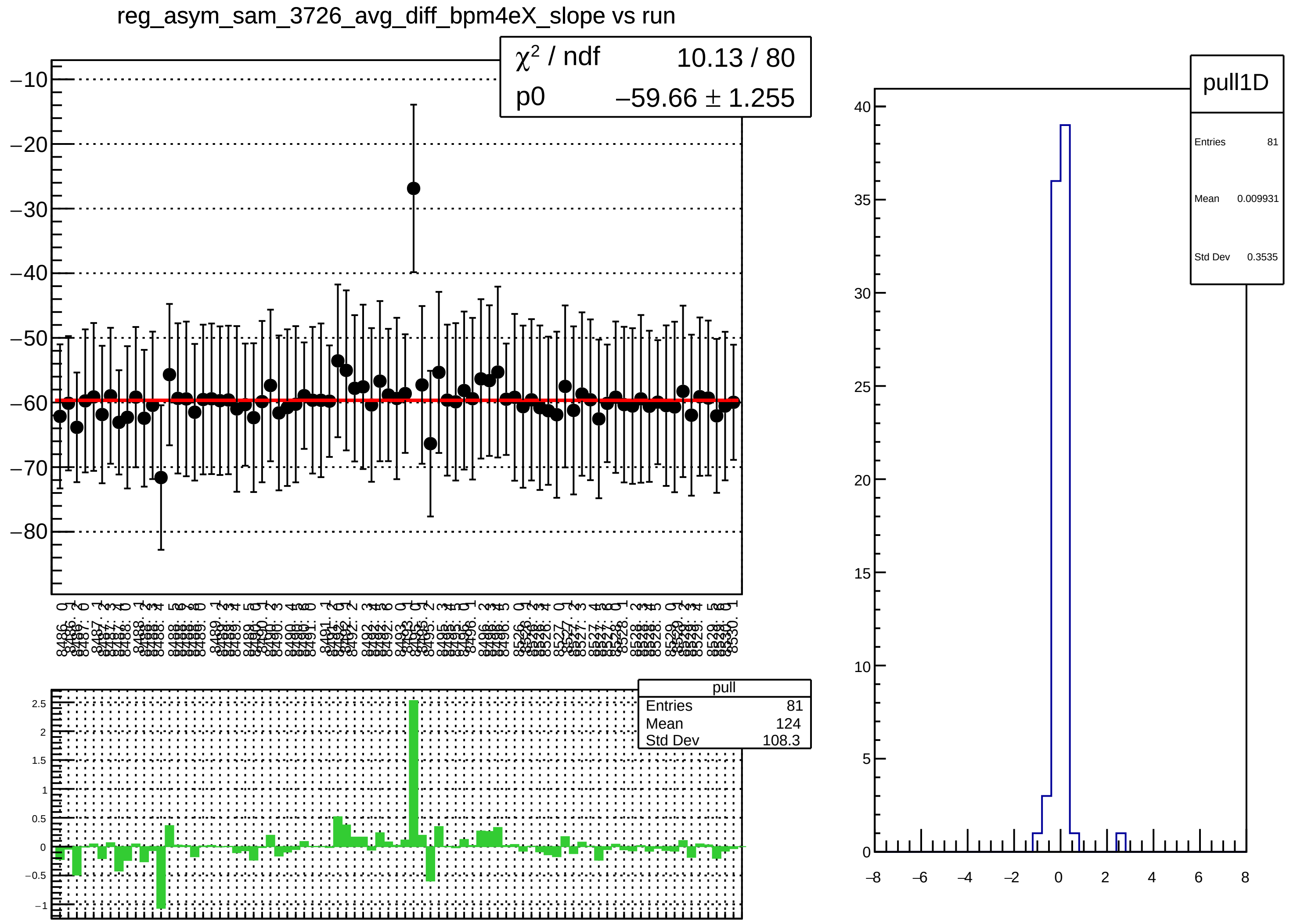
reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.04 / 80
p0 1.445 ± 0.05845
pull
Entries 81
Mean 86.82
Std Dev 42.31
pull1D
Entries 81
Mean 0.007265
Std Dev 0.352

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run

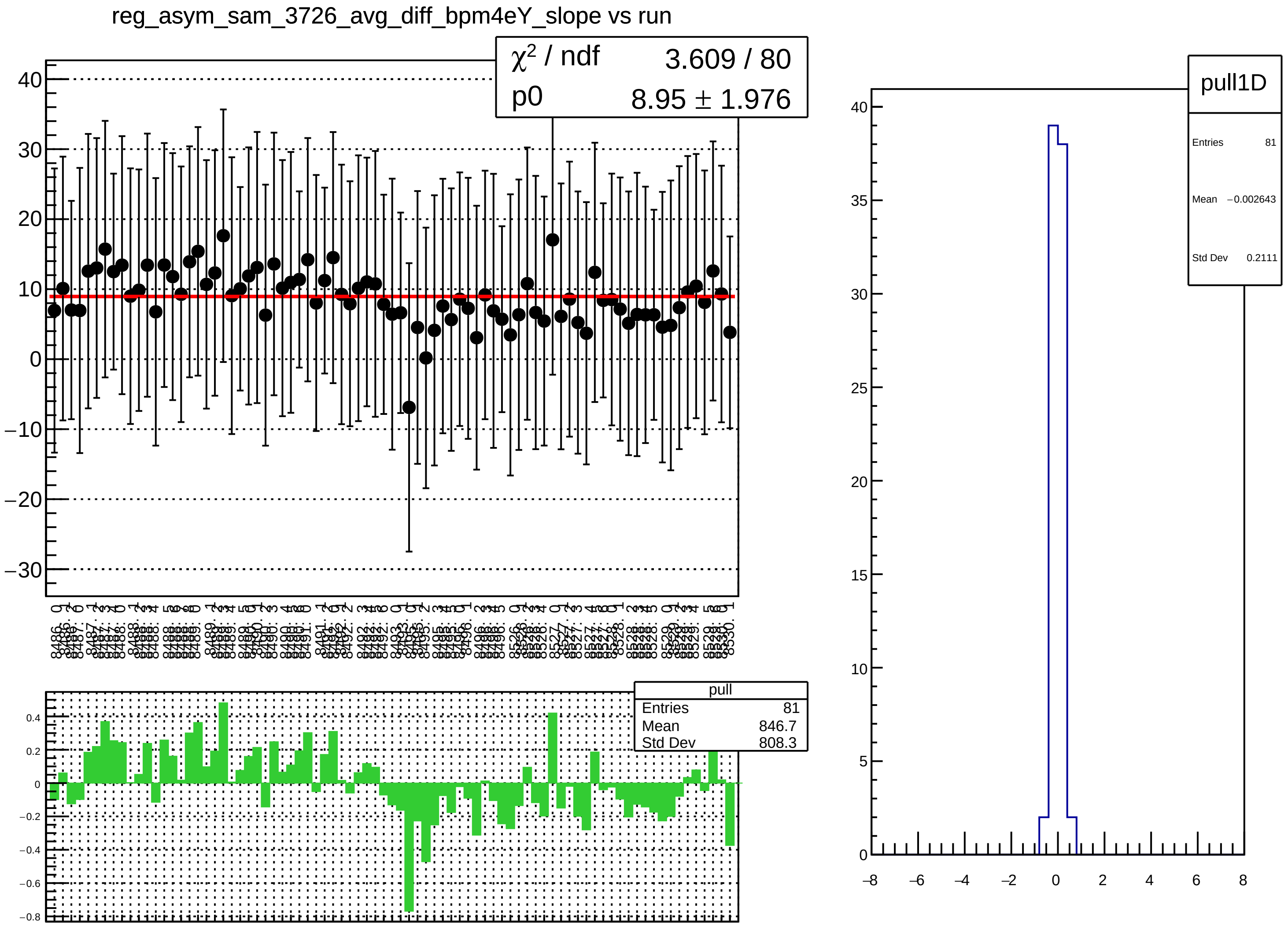




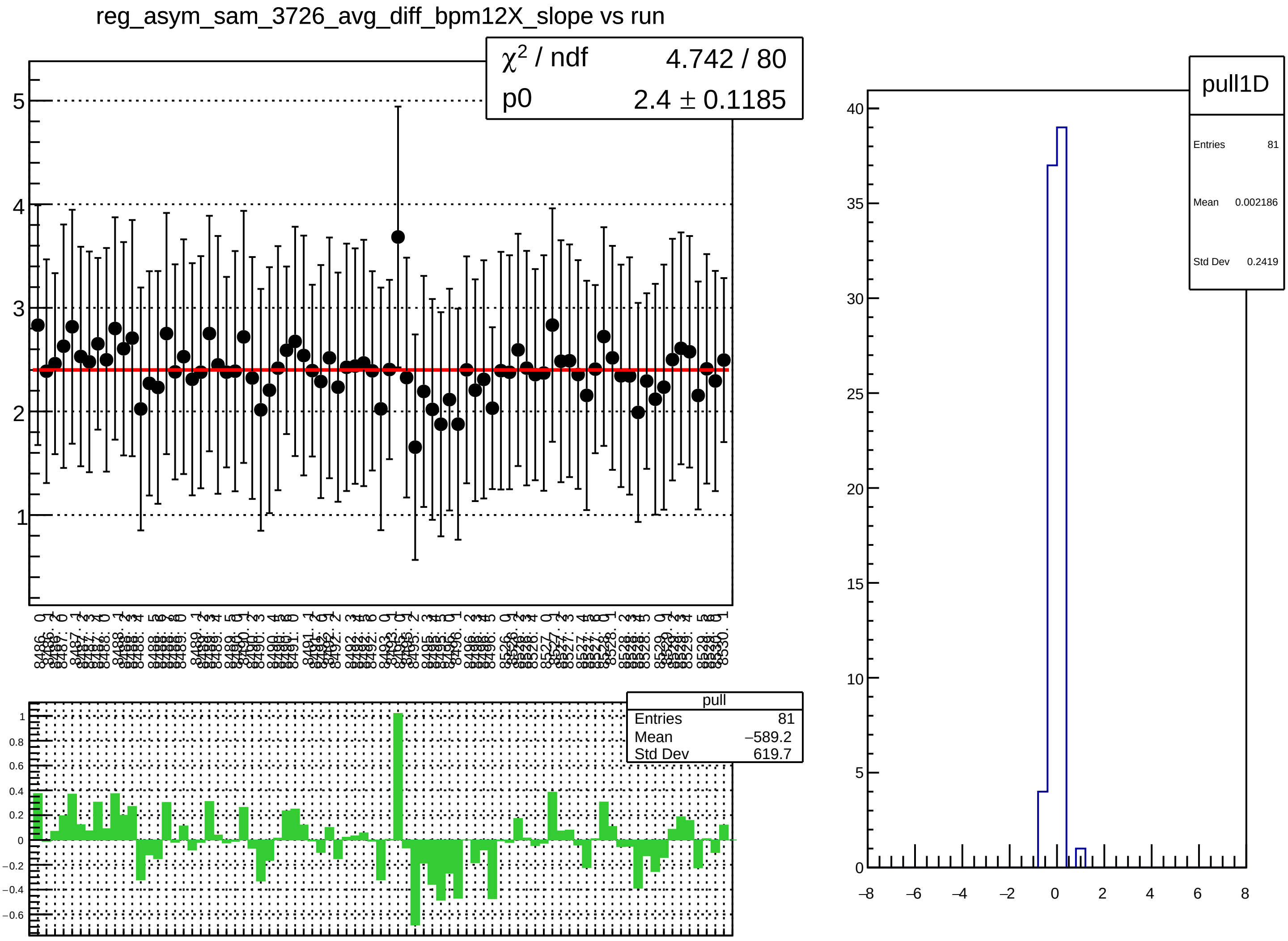
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.949 / 80
p0 −17.77 ± 1.867
pull
Entries 81
Mean 670.9
Std Dev 630.4
pull1D
Entries 81
Mean 0.003132
Std Dev 0.2208



reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 10.13 / 80
p0 −59.66 ± 1.255
pull
Entries 81
Mean 124
Std Dev 108.3
pull1D
Entries 81
Mean 0.009931
Std Dev 0.3535

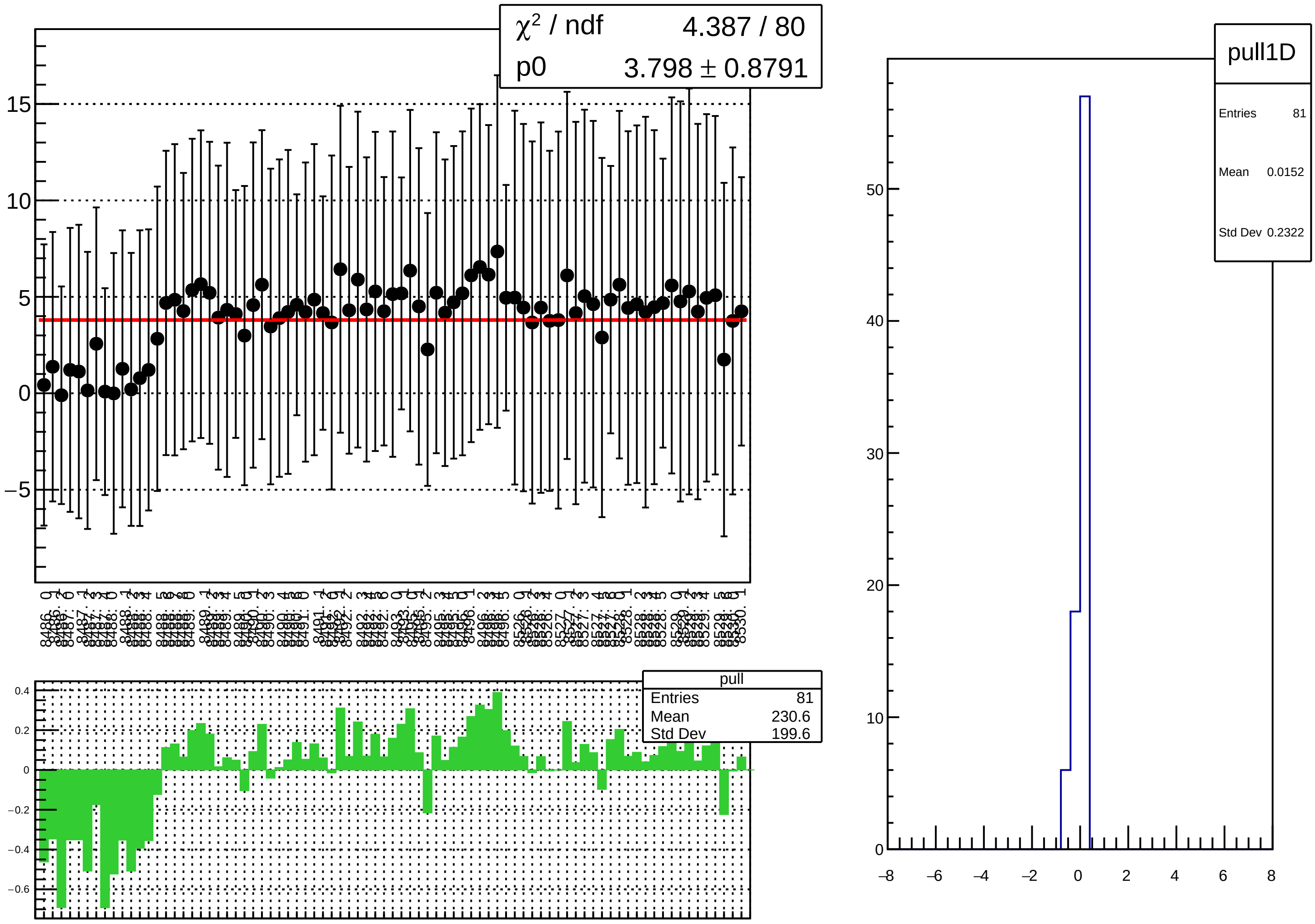


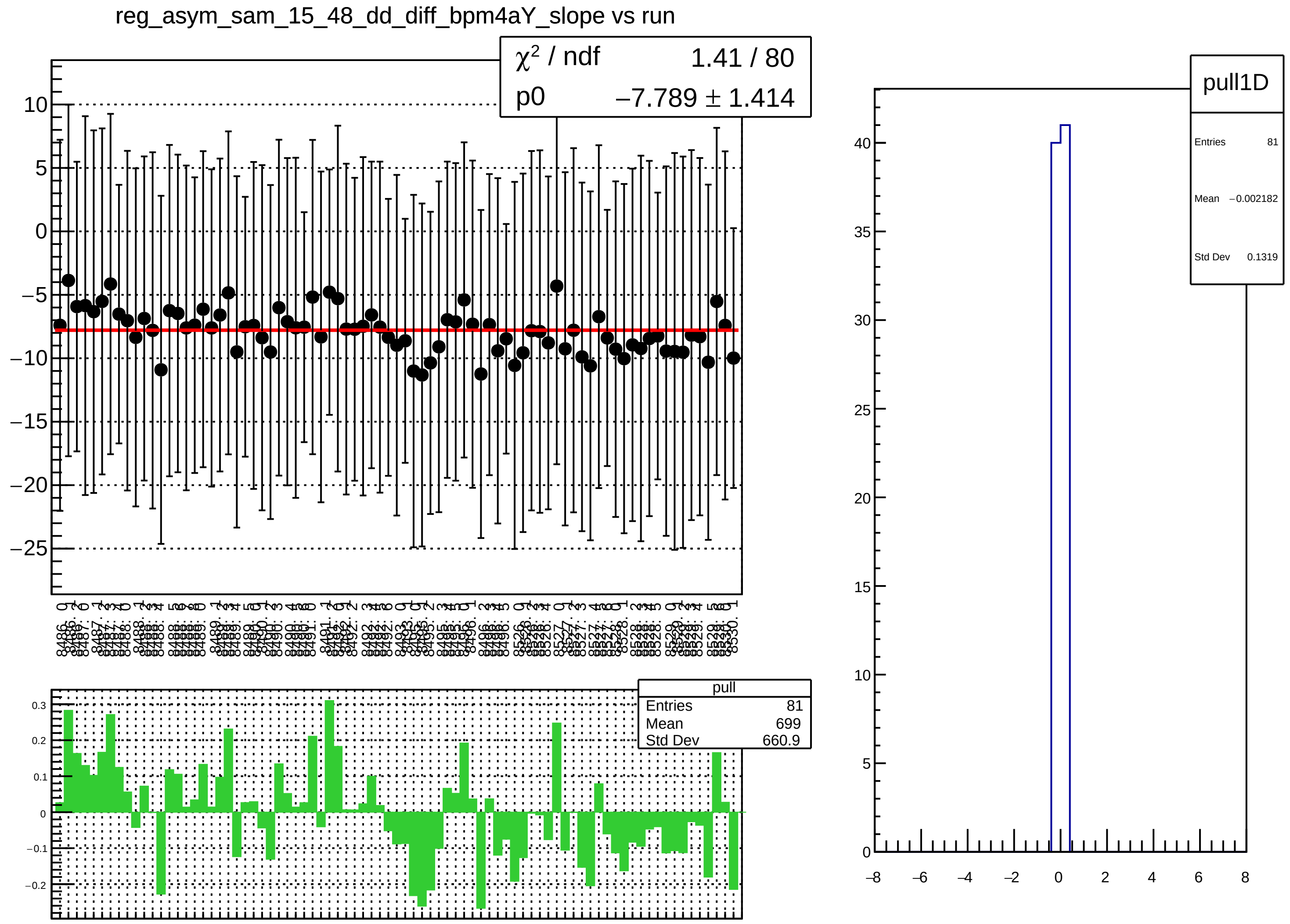
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.609 / 80
p0 8.95 ± 1.976
pull
Entries 81
Mean 846.7
Std Dev 808.3
pull1D
Entries 81
Mean −0.002643
Std Dev 0.2111



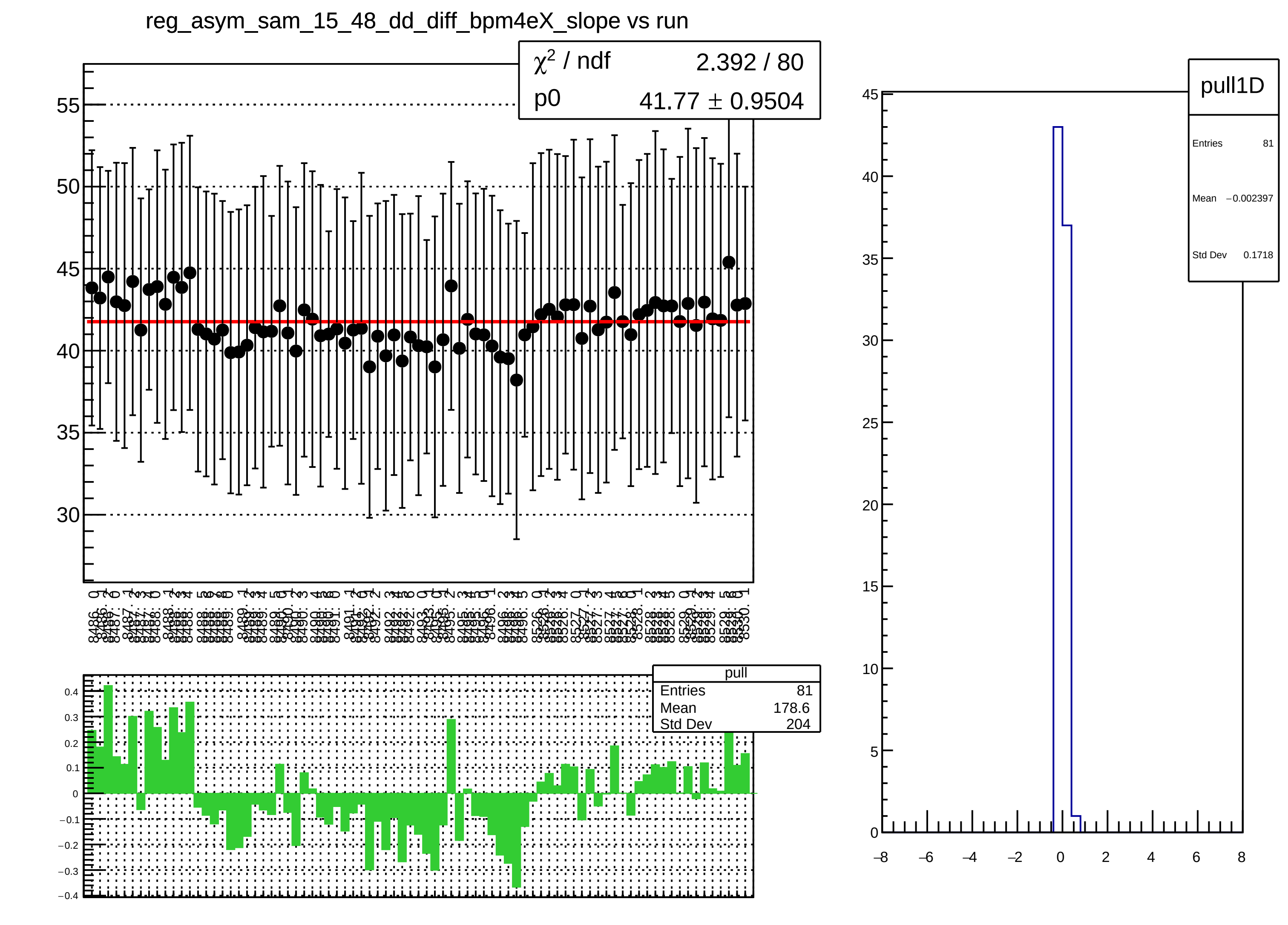
reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.742 / 80
p0 2.4 ± 0.1185
pull
Entries 81
Mean −589.2
Std Dev 619.7
pull1D
Entries 81
Mean 0.002186
Std Dev 0.2419

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run

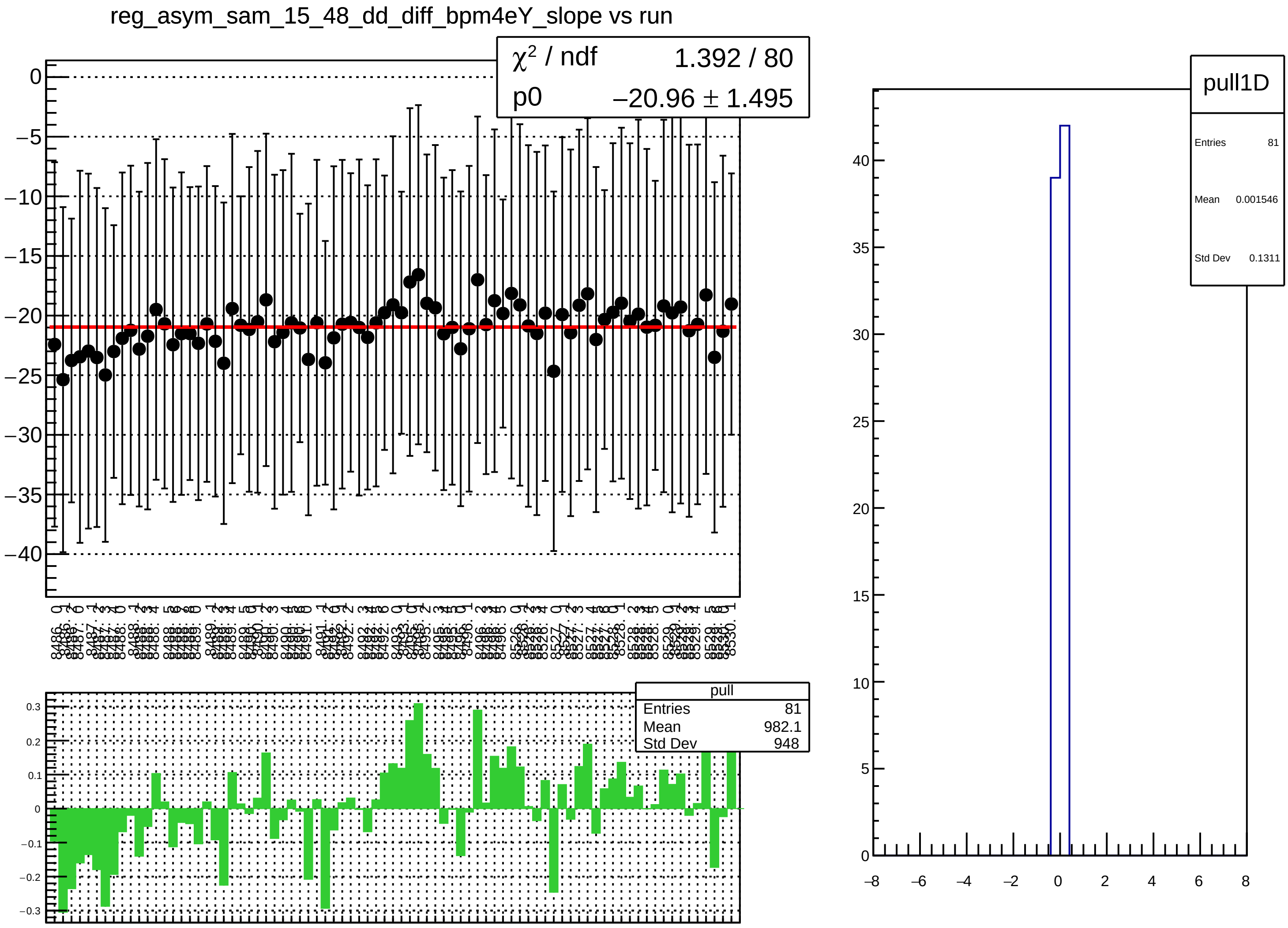




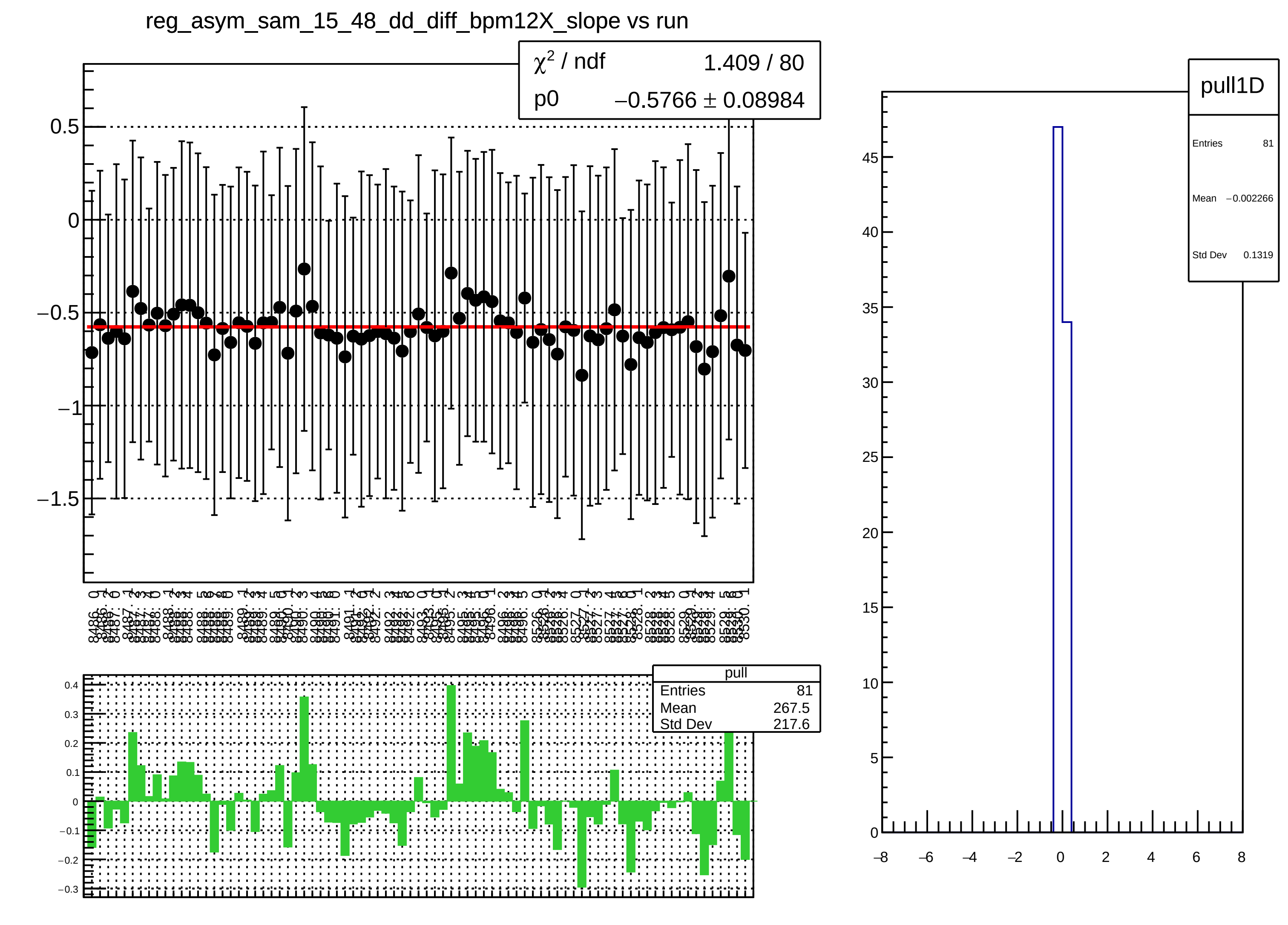
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.41 / 80
p0 −7.789 ± 1.414
pull
Entries 81
Mean 699
Std Dev 660.9
pull1D
Entries 81
Mean −0.002182
Std Dev 0.1319



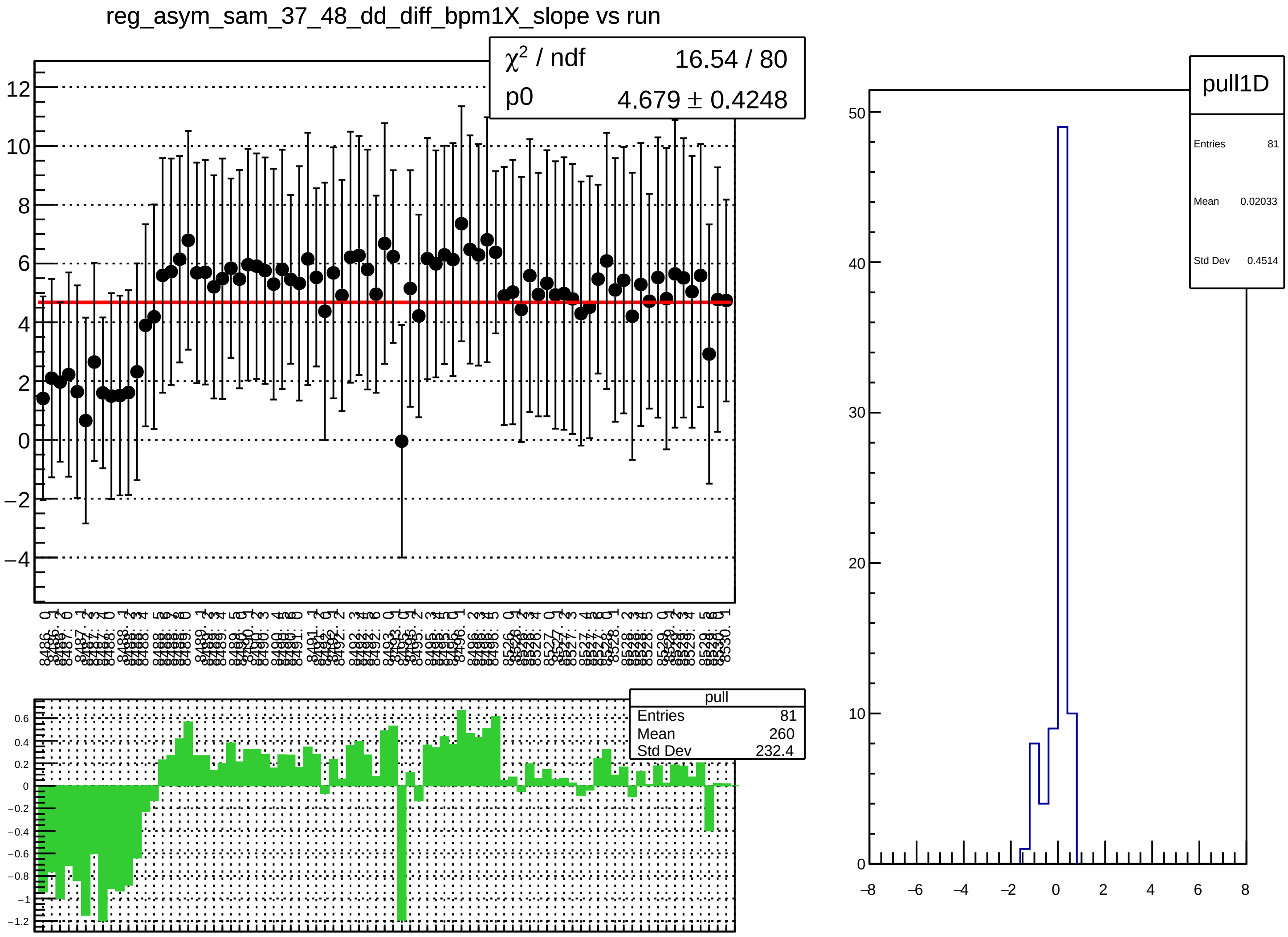
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 2.392 / 80
p0 41.77 ± 0.9504
pull
Entries 81
Mean 178.6
Std Dev 204
pull1D
Entries 81
Mean −0.002397
Std Dev 0.1718



reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.392 / 80
p0 −20.96 ± 1.495
pull
Entries 81
Mean 982.1
Std Dev 948
pull1D
Entries 81
Mean 0.001546
Std Dev 0.1311

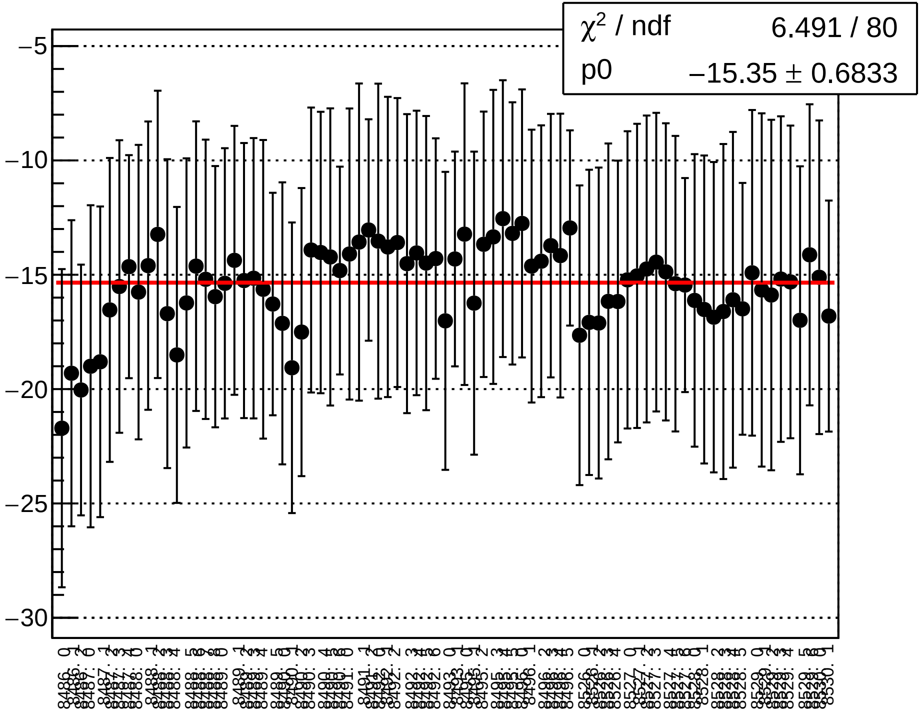


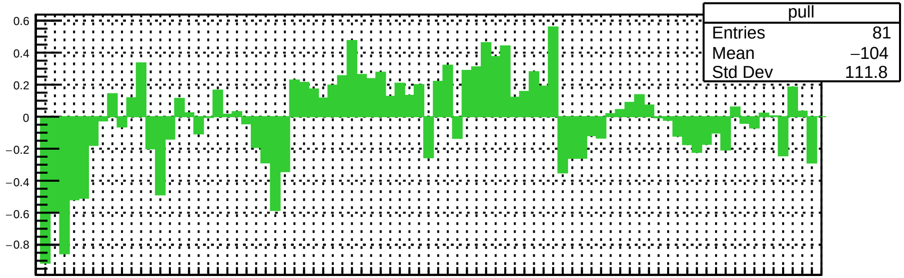
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.409 / 80
p0 −0.5766 ± 0.08984
pull
Entries 81
Mean 267.5
Std Dev 217.6
pull1D
Entries 81
Mean −0.002266
Std Dev 0.1319

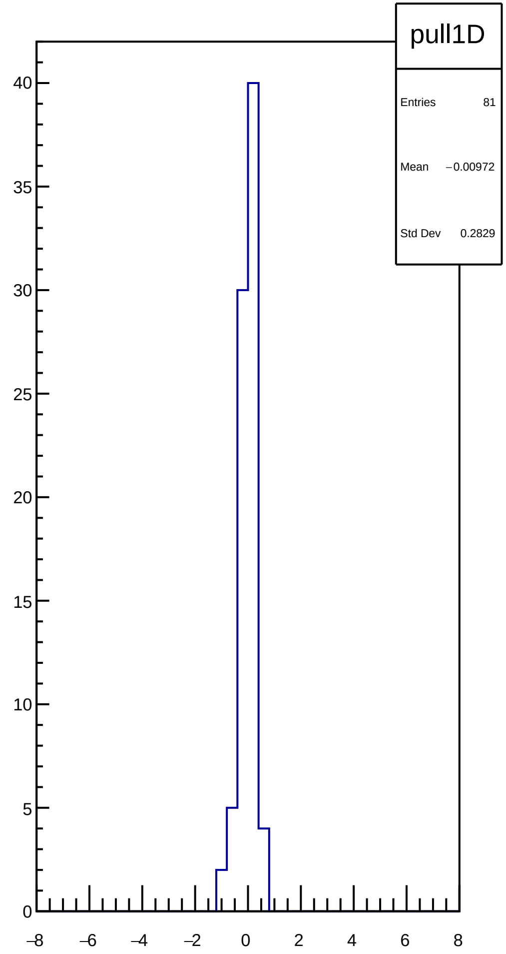


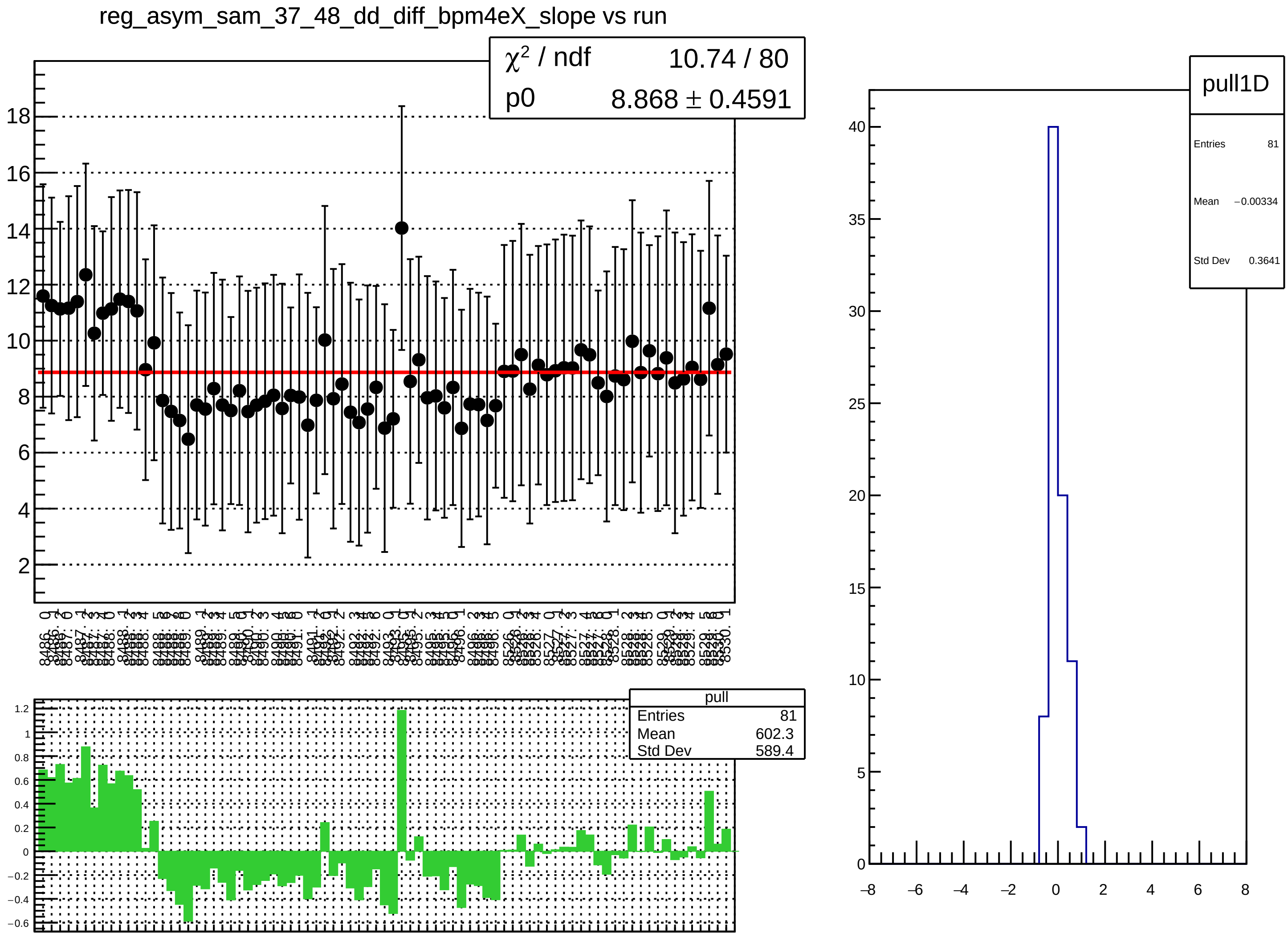
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 16.54 / 80
p0 4.679 ± 0.4248
pull
Entries 81
Mean 260
Std Dev 232.4
pull1D
Entries 81
Mean 0.02033
Std Dev 0.4514

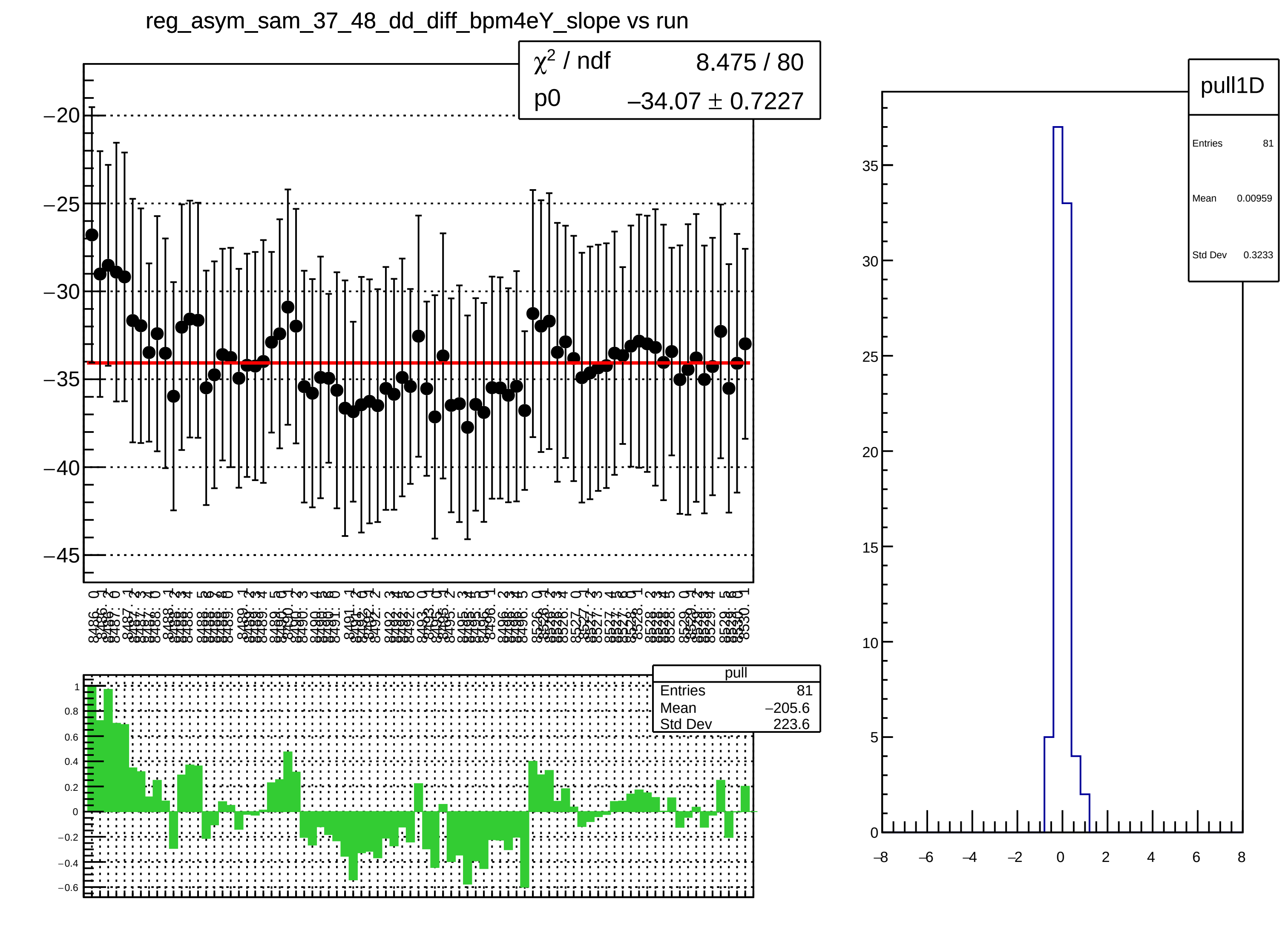
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run



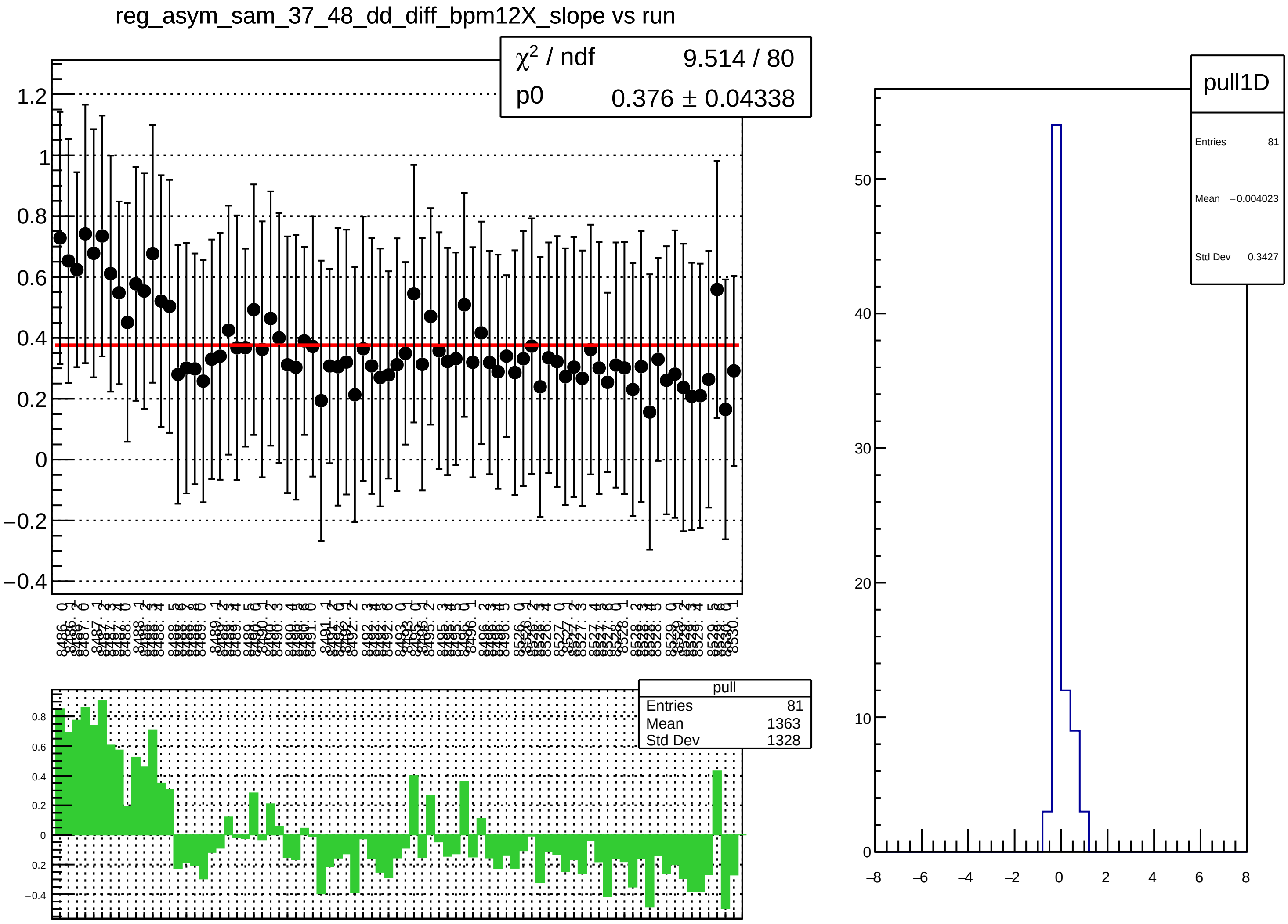




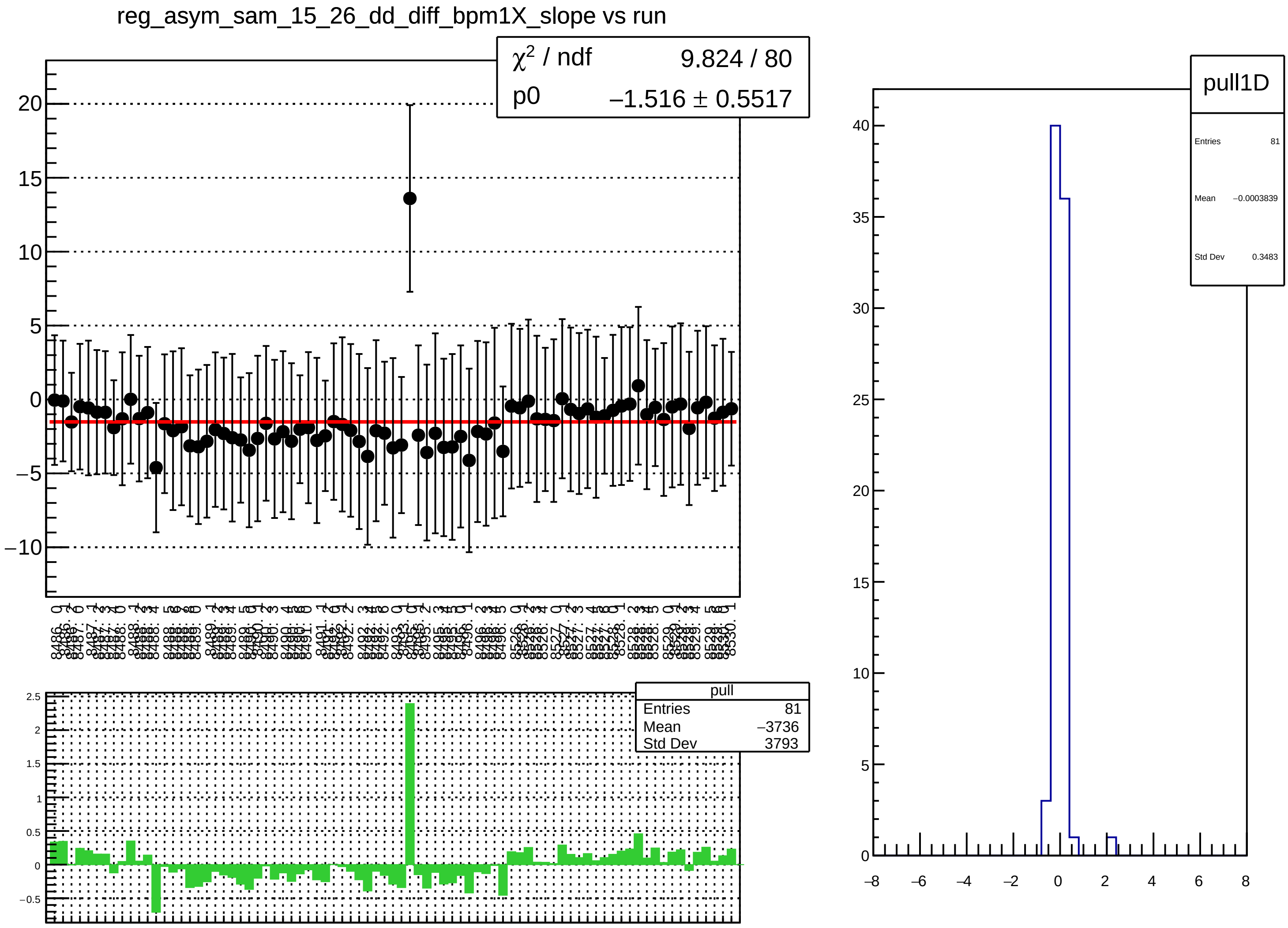

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.74 / 80
p0 8.868 ± 0.4591
pull
Entries 81
Mean 602.3
Std Dev 589.4
pull1D
Entries 81
Mean −0.00334
Std Dev 0.3641



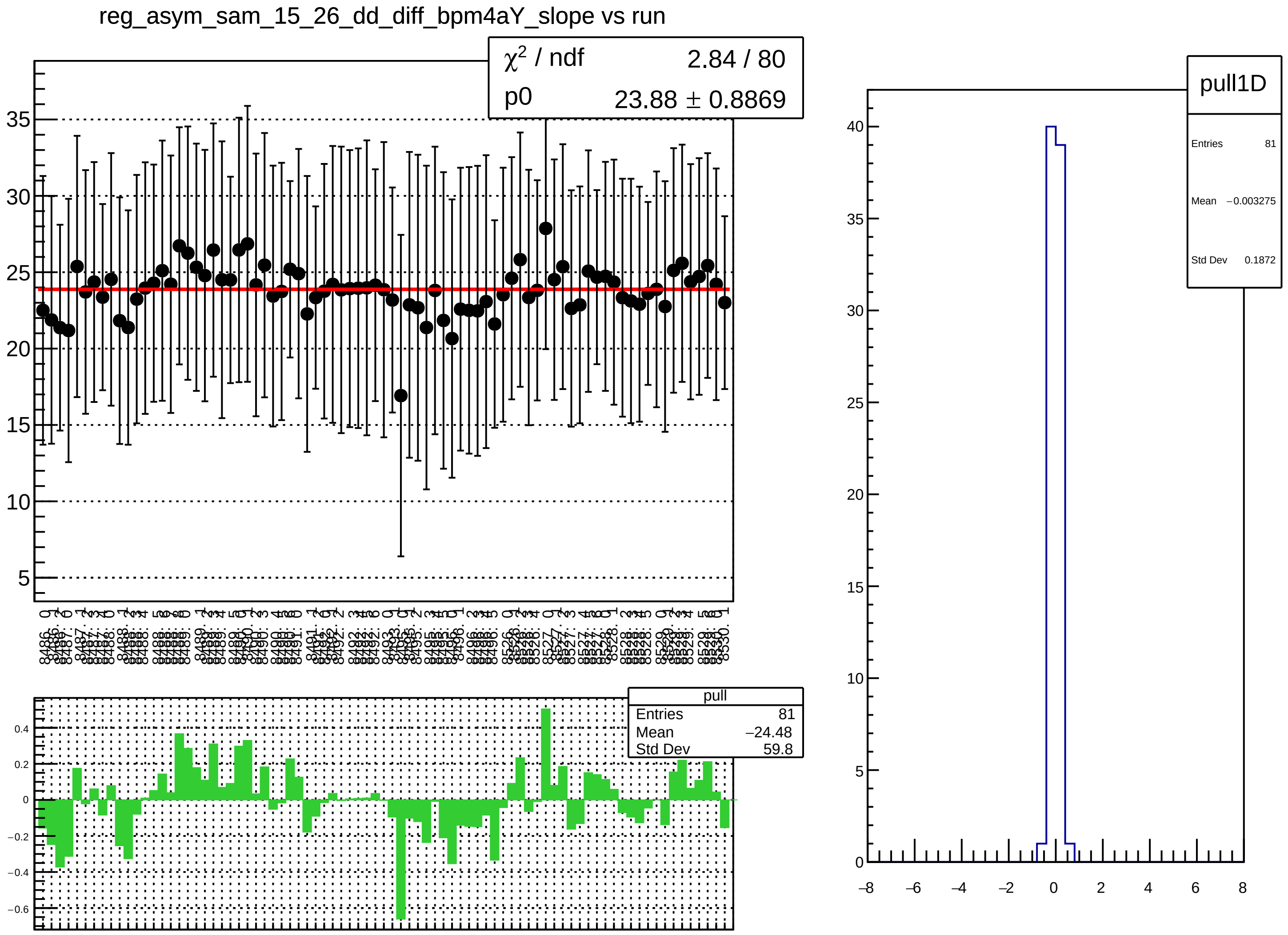
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.475 / 80
p0 −34.07 ± 0.7227
pull
Entries 81
Mean −205.6
Std Dev 223.6
pull1D
Entries 81
Mean 0.00959
Std Dev 0.3233



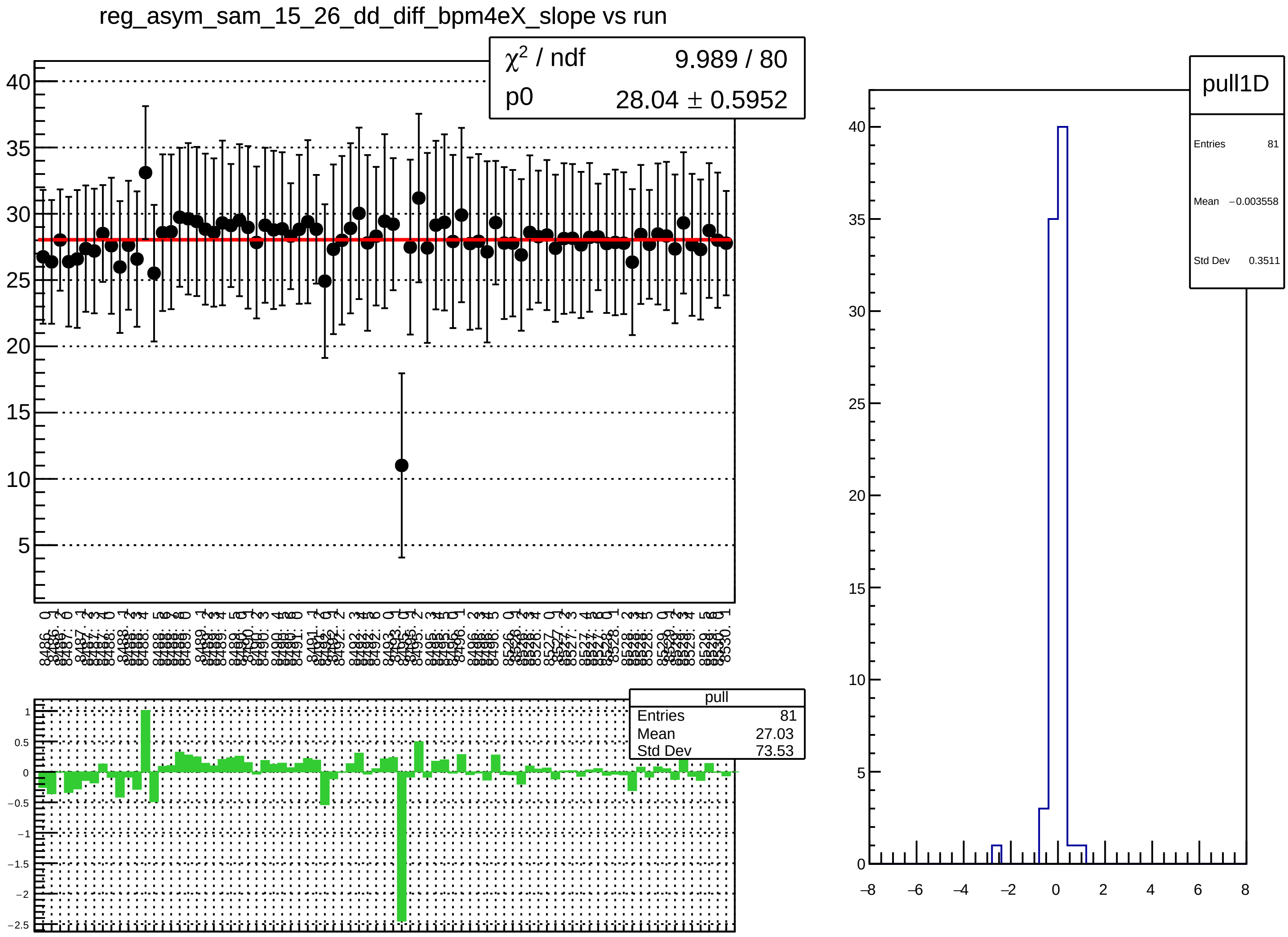
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.514 / 80
p0 0.376 ± 0.04338
pull
Entries 81
Mean 1363
Std Dev 1328
pull1D
Entries 81
Mean −0.004023
Std Dev 0.3427



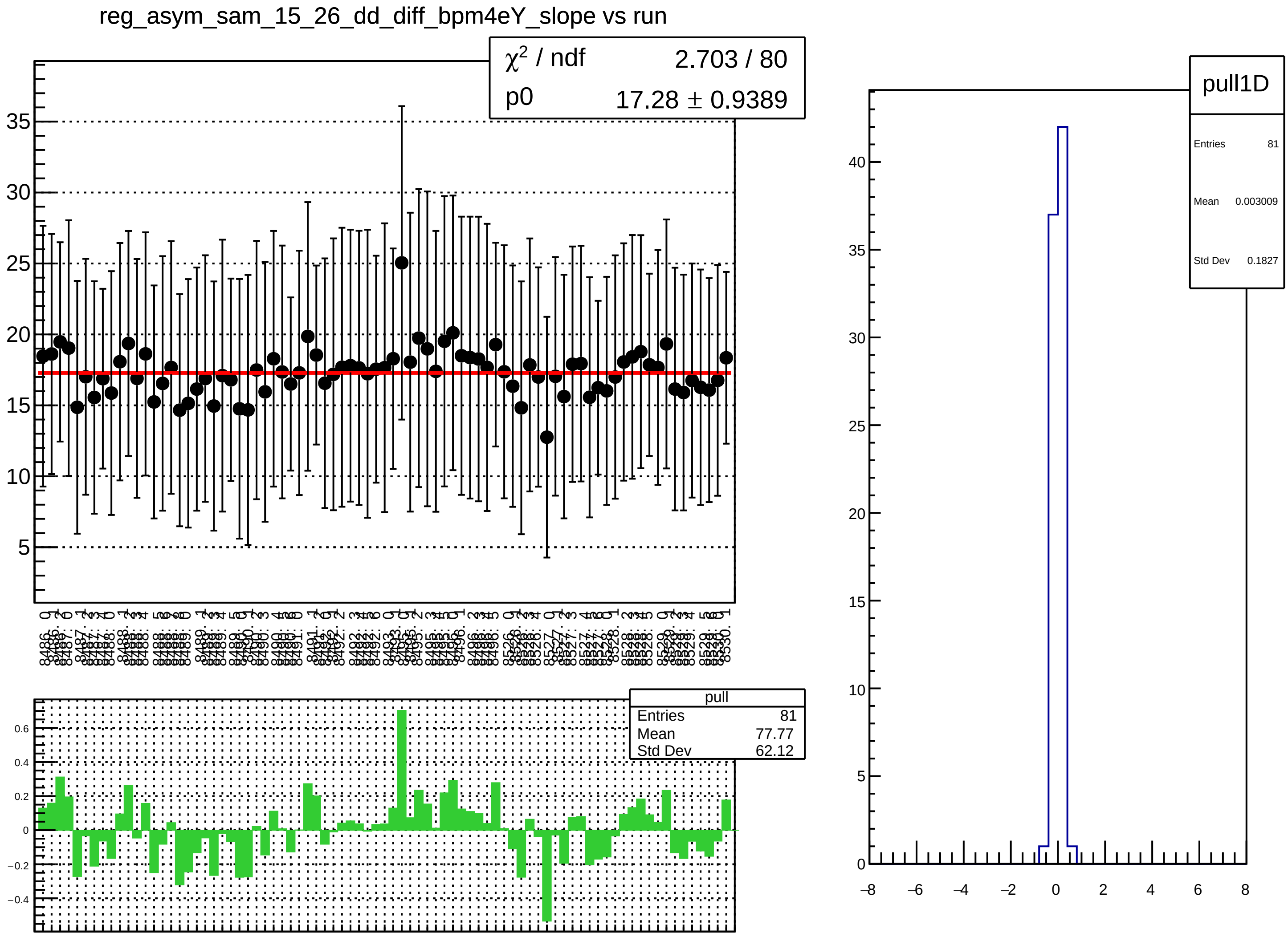
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ2 / ndf 9.824 / 80
p0 −1.516 ± 0.5517
pull
Entries 81
Mean −3736
Std Dev 3793
pull1D
Entries 81
Mean −0.0003839
Std Dev 0.3483



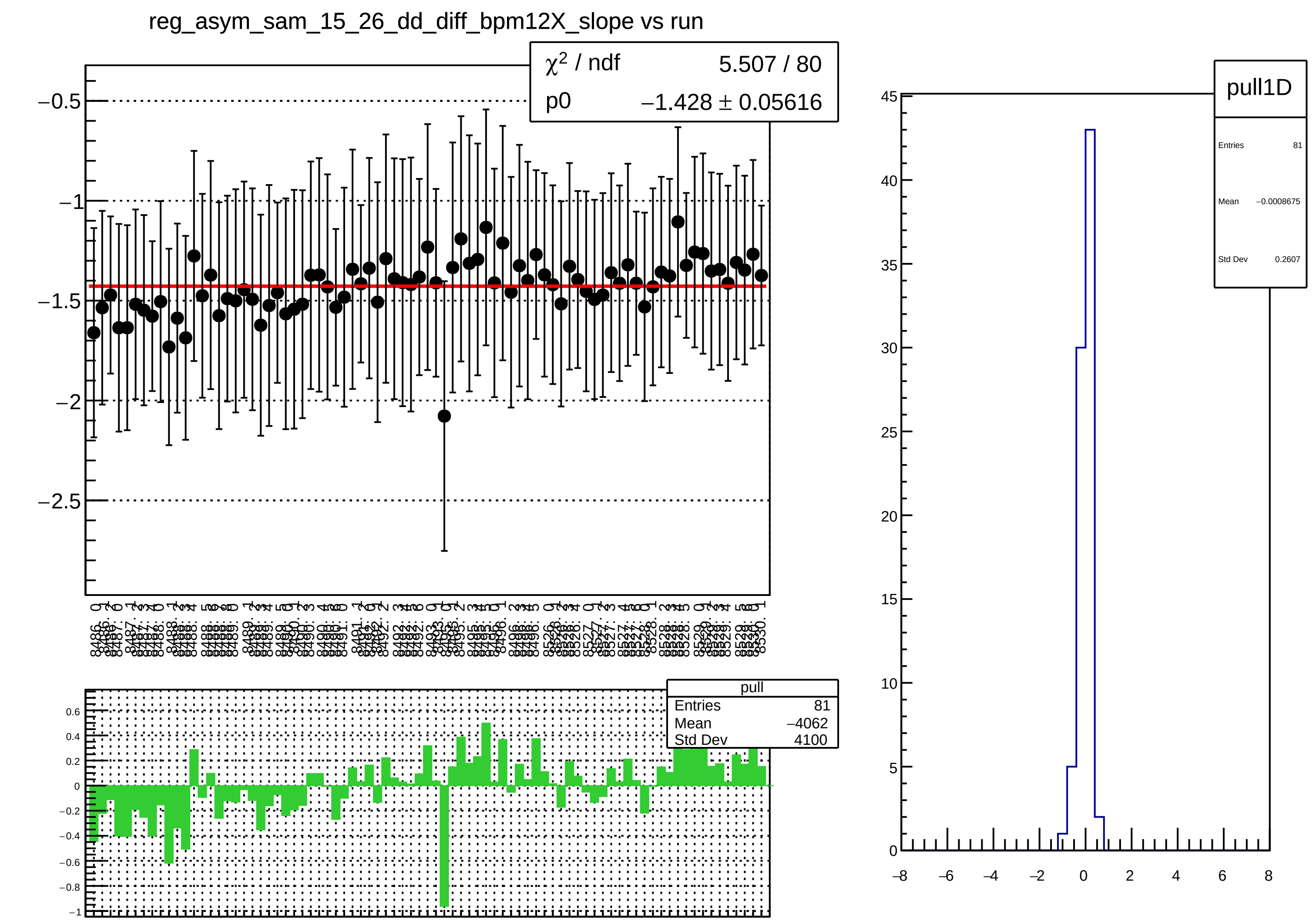
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.84 / 80
p0 23.88 ± 0.8869
pull
Entries 81
Mean −24.48
Std Dev 59.8
pull1D
Entries 81
Mean −0.003275
Std Dev 0.1872



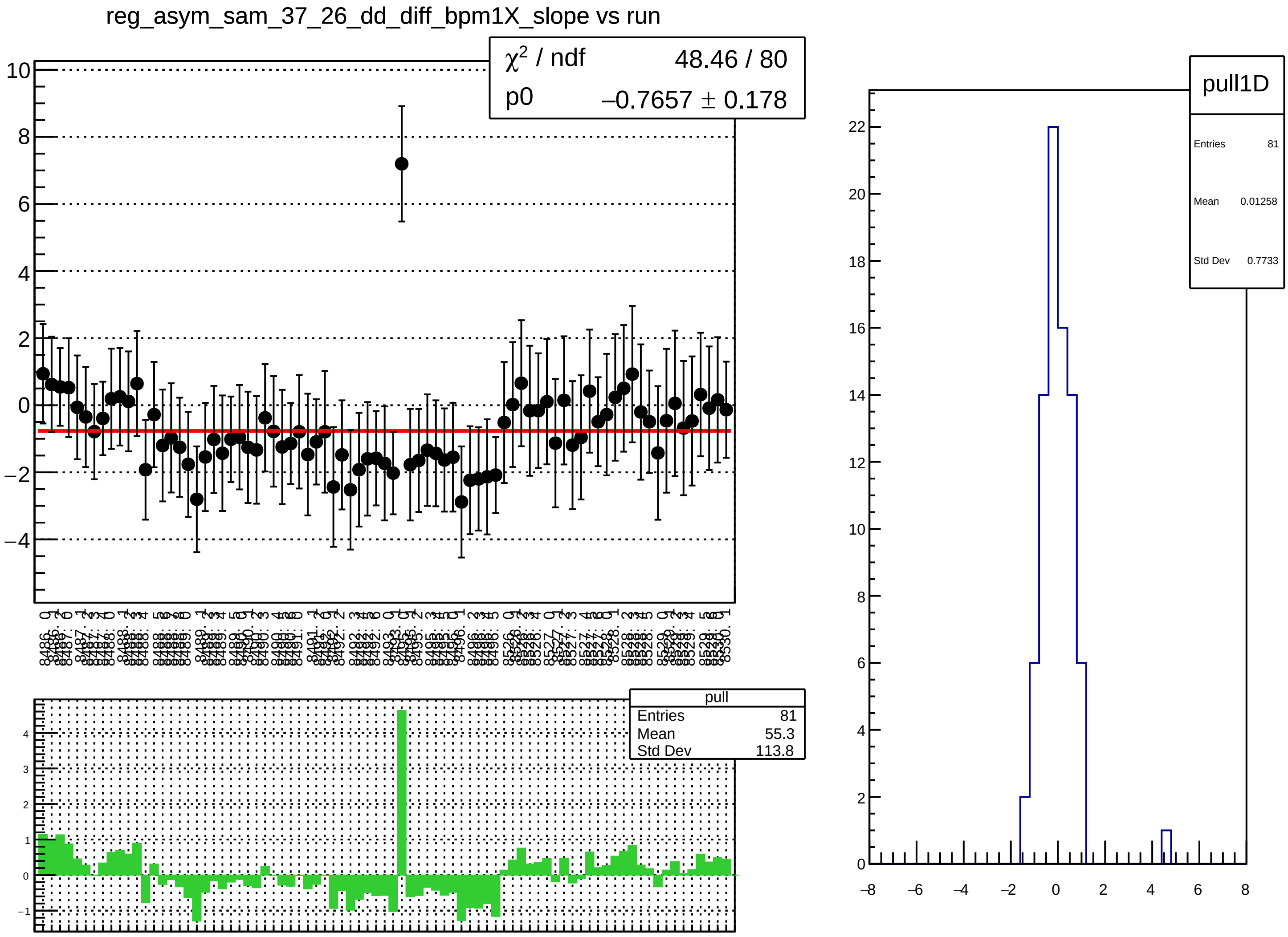
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.989 / 80
p0 28.04 ± 0.5952
pull
Entries 81
Mean 27.03
Std Dev 73.53
pull1D
Entries 81
Mean −0.003558
Std Dev 0.3511



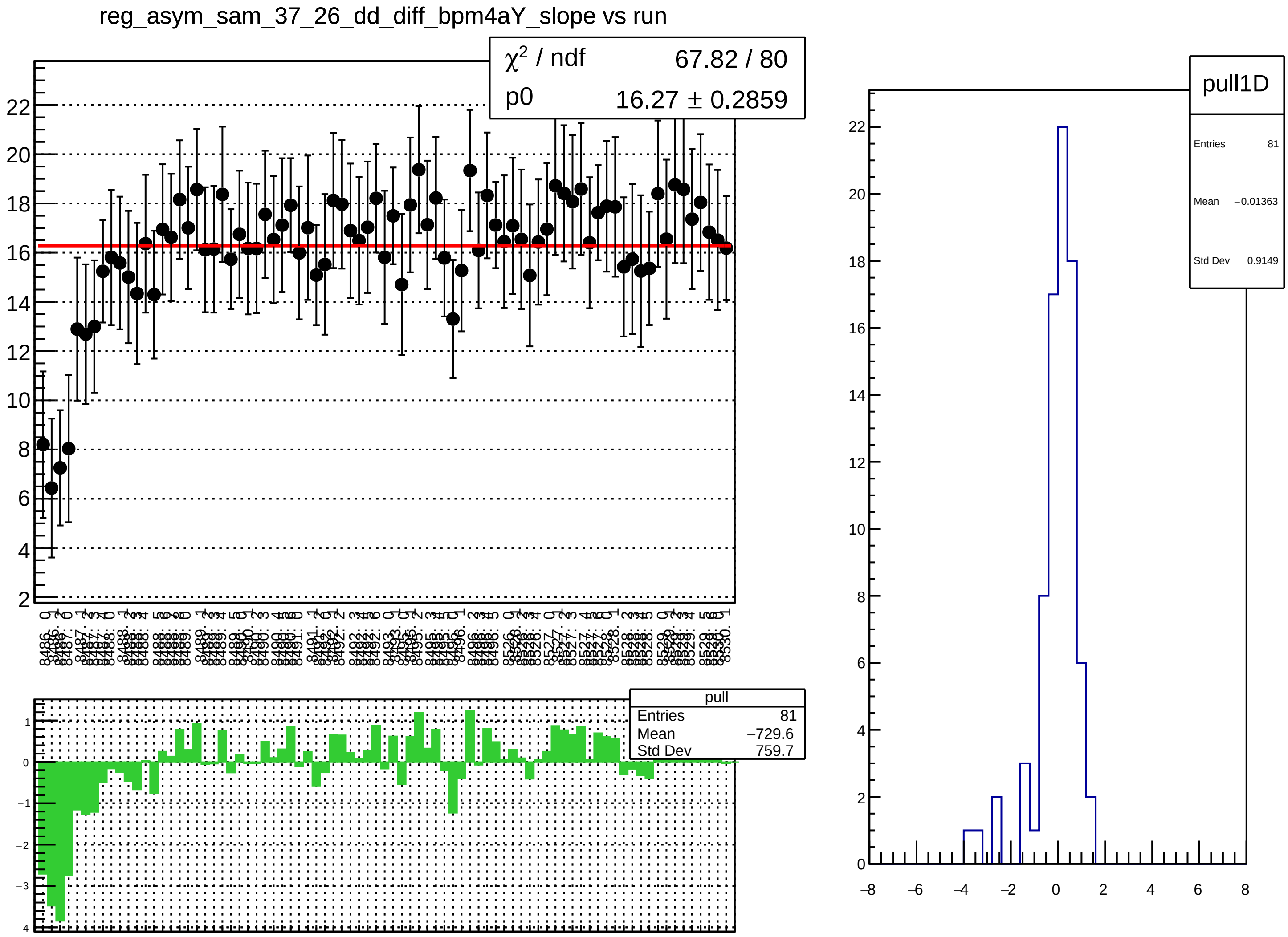
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ2 / ndf 2.703 / 80
p0 17.28 ± 0.9389
pull
Entries 81
Mean 77.77
Std Dev 62.12
pull1D
Entries 81
Mean 0.003009
Std Dev 0.1827



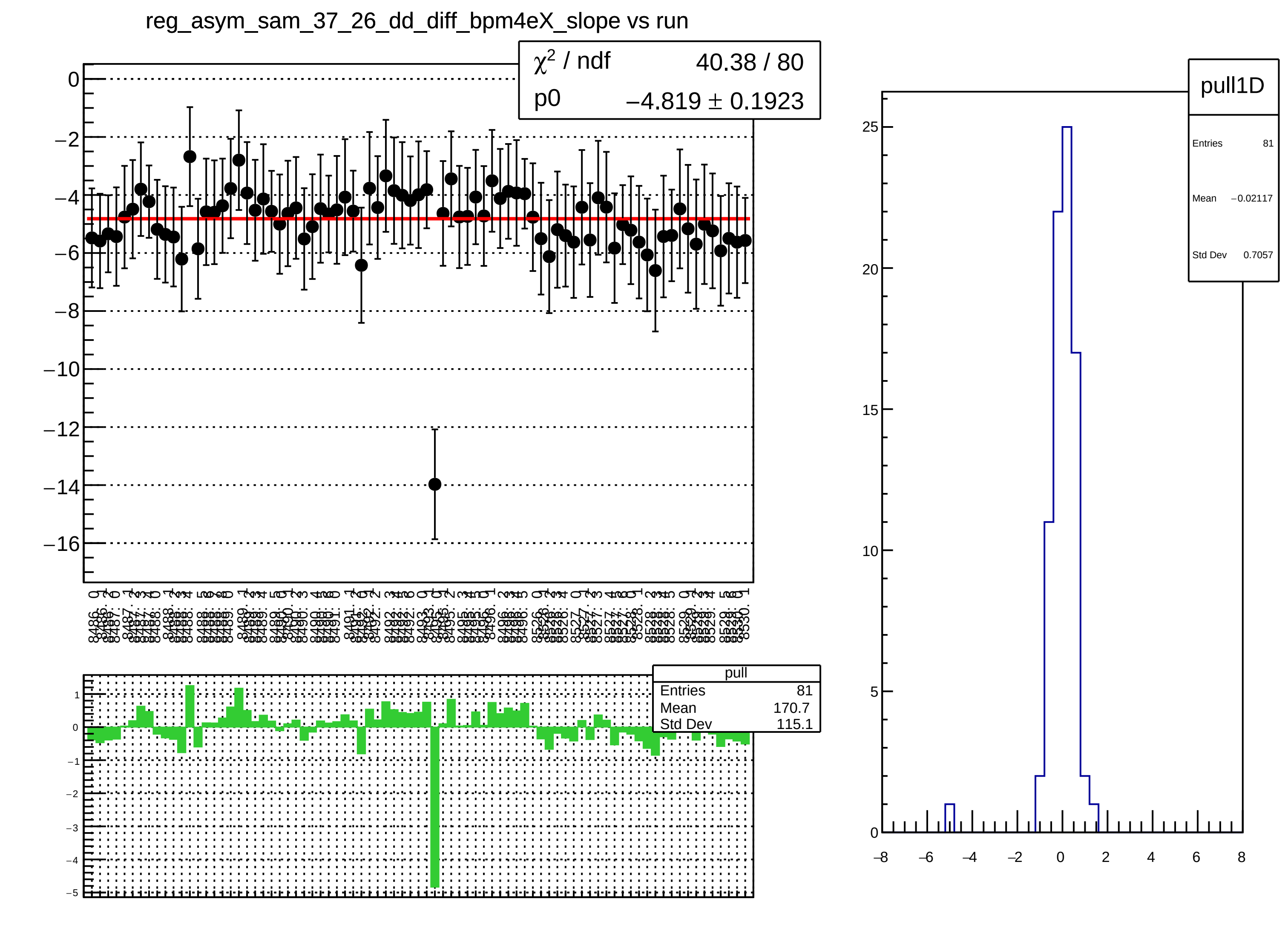
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.507 / 80
p0 −1.428 ± 0.05616
pull
Entries 81
Mean −4062
Std Dev 4100
pull1D
Entries 81
Mean −0.0008675
Std Dev 0.2607

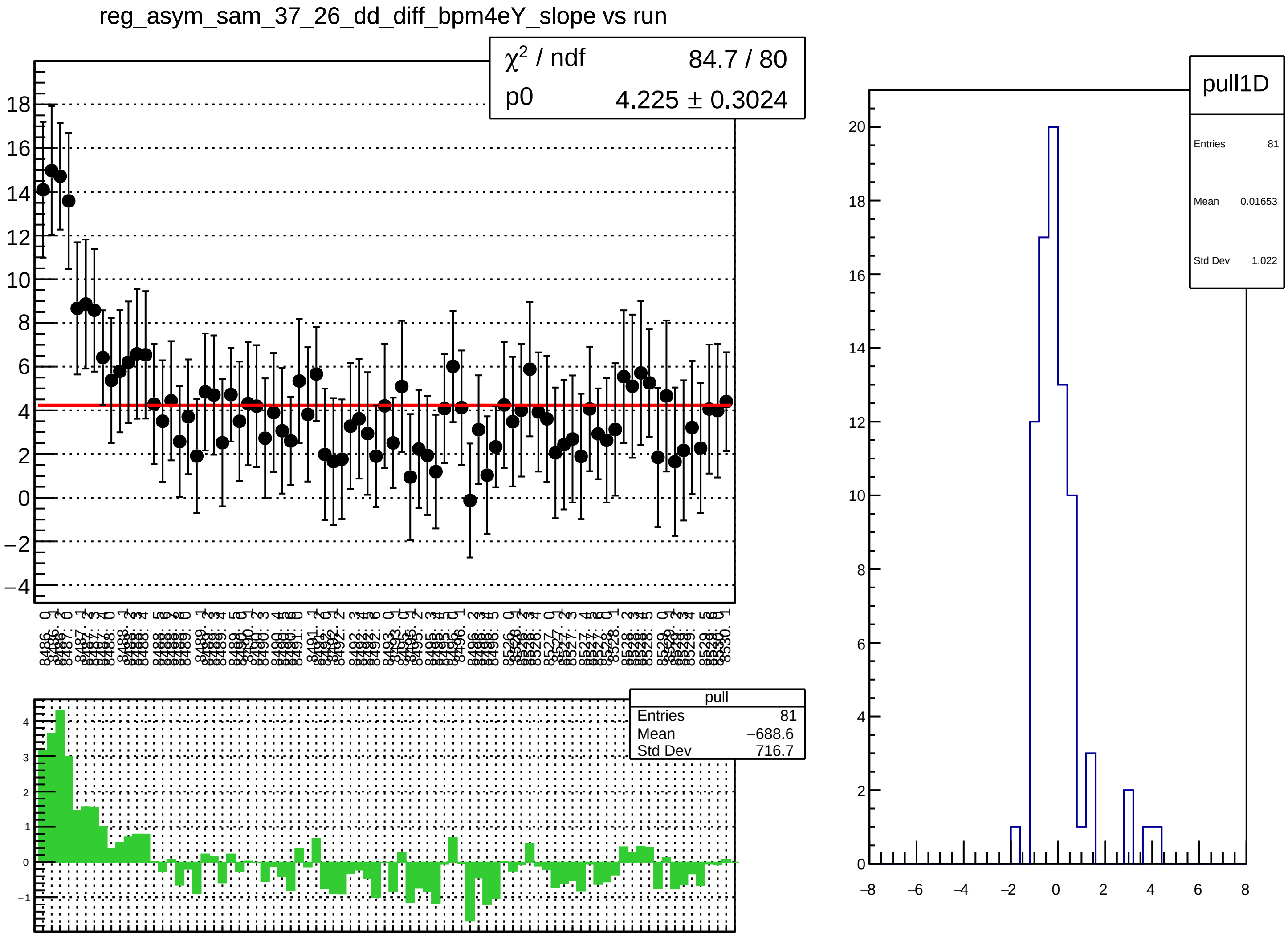


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 48.46 / 80
p0 −0.7657 ± 0.178
pull
Entries 81
Mean 55.3
Std Dev 113.8
pull1D
Entries 81
Mean 0.01258
Std Dev 0.7733

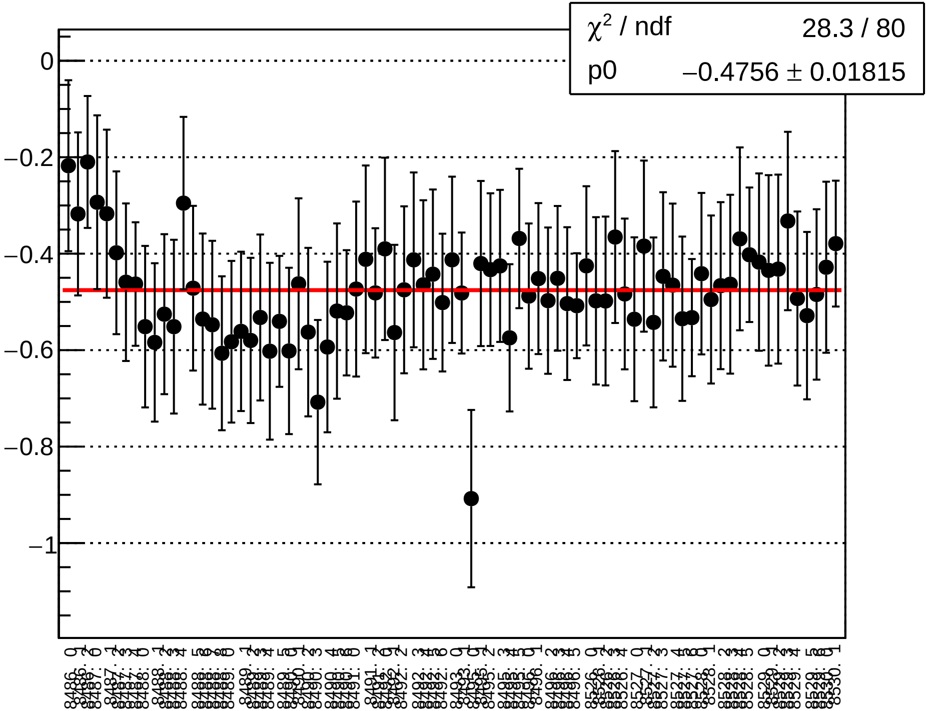


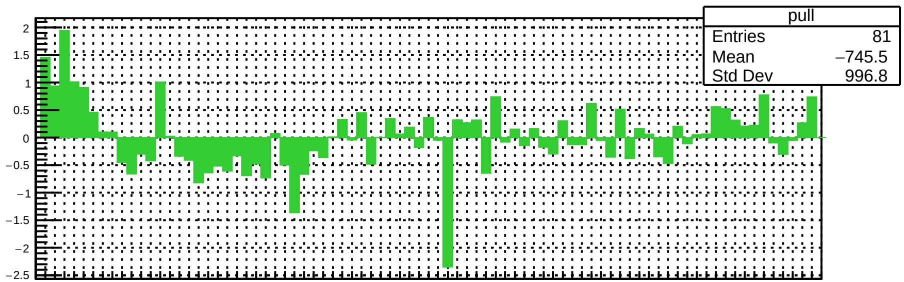
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 67.82 / 80
p0 16.27 ± 0.2859
pull
Entries 81
Mean −729.6
Std Dev 759.7
pull1D
Entries 81
Mean −0.01363
Std Dev 0.9149

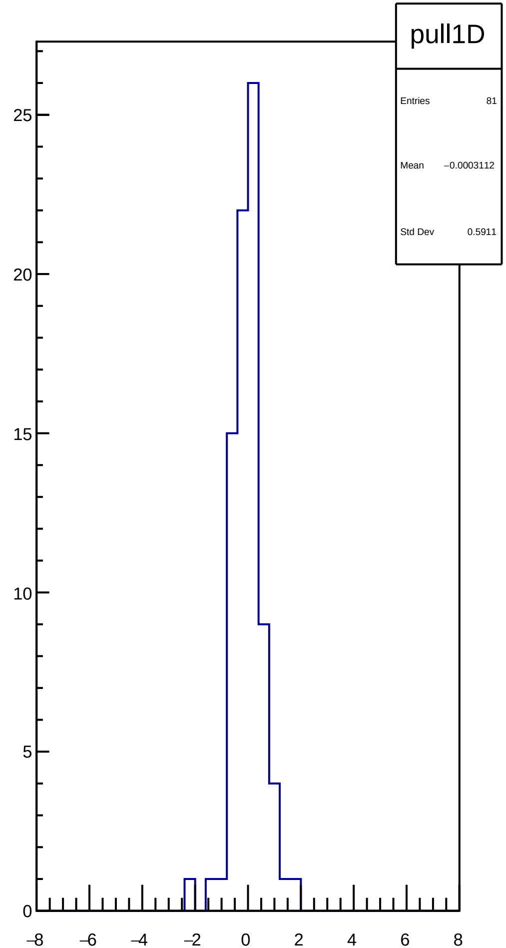

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 40.38 / 80
p0 −4.819 ± 0.1923
pull
Entries 81
Mean 170.7
Std Dev 115.1
pull1D
Entries 81
Mean −0.02117
Std Dev 0.7057

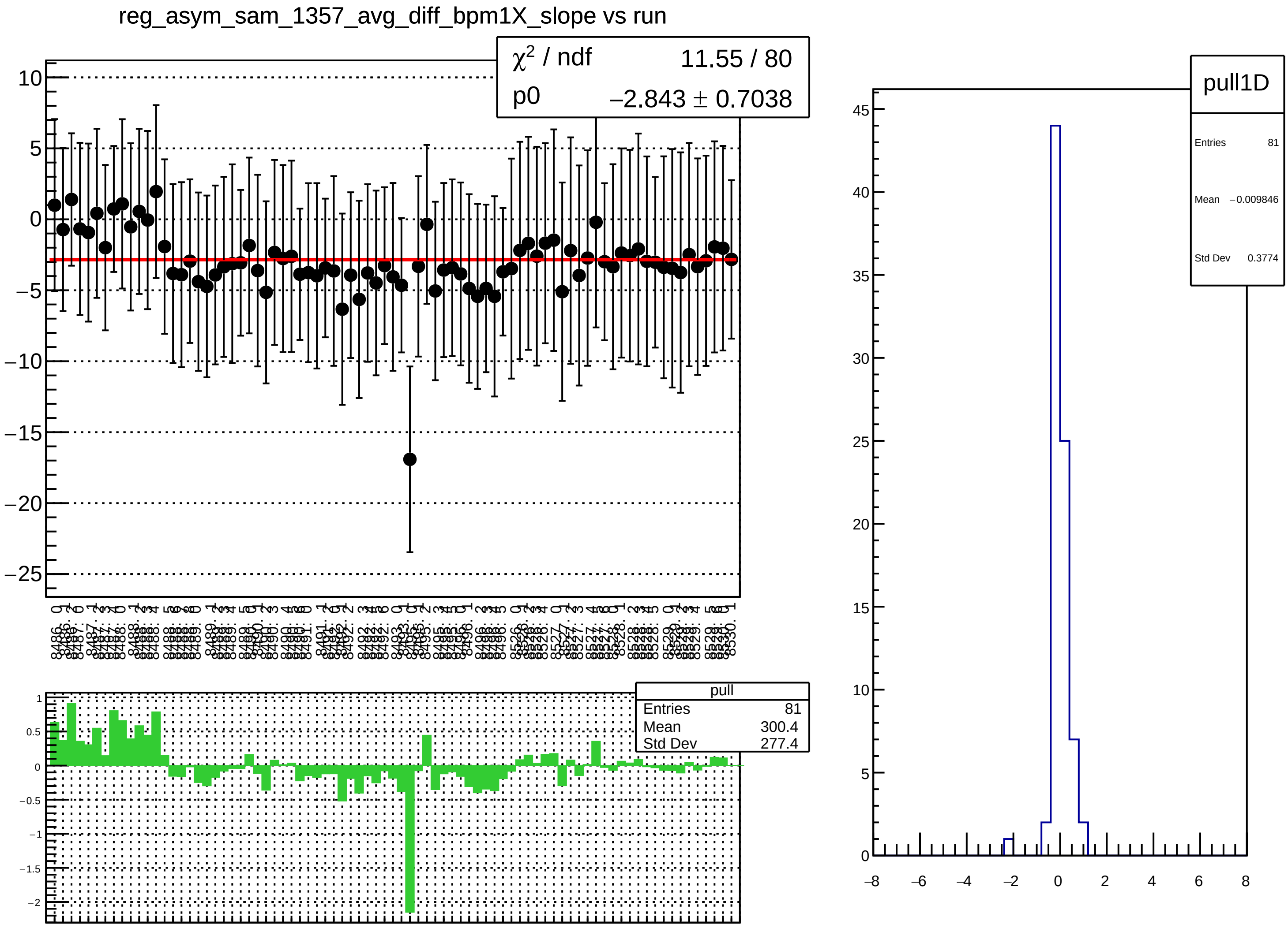

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 84.7 / 80
p0 4.225 ± 0.3024
pull
Entries 81
Mean −688.6
Std Dev 716.7
pull1D
Entries 81
Mean 0.01653
Std Dev 1.022

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run

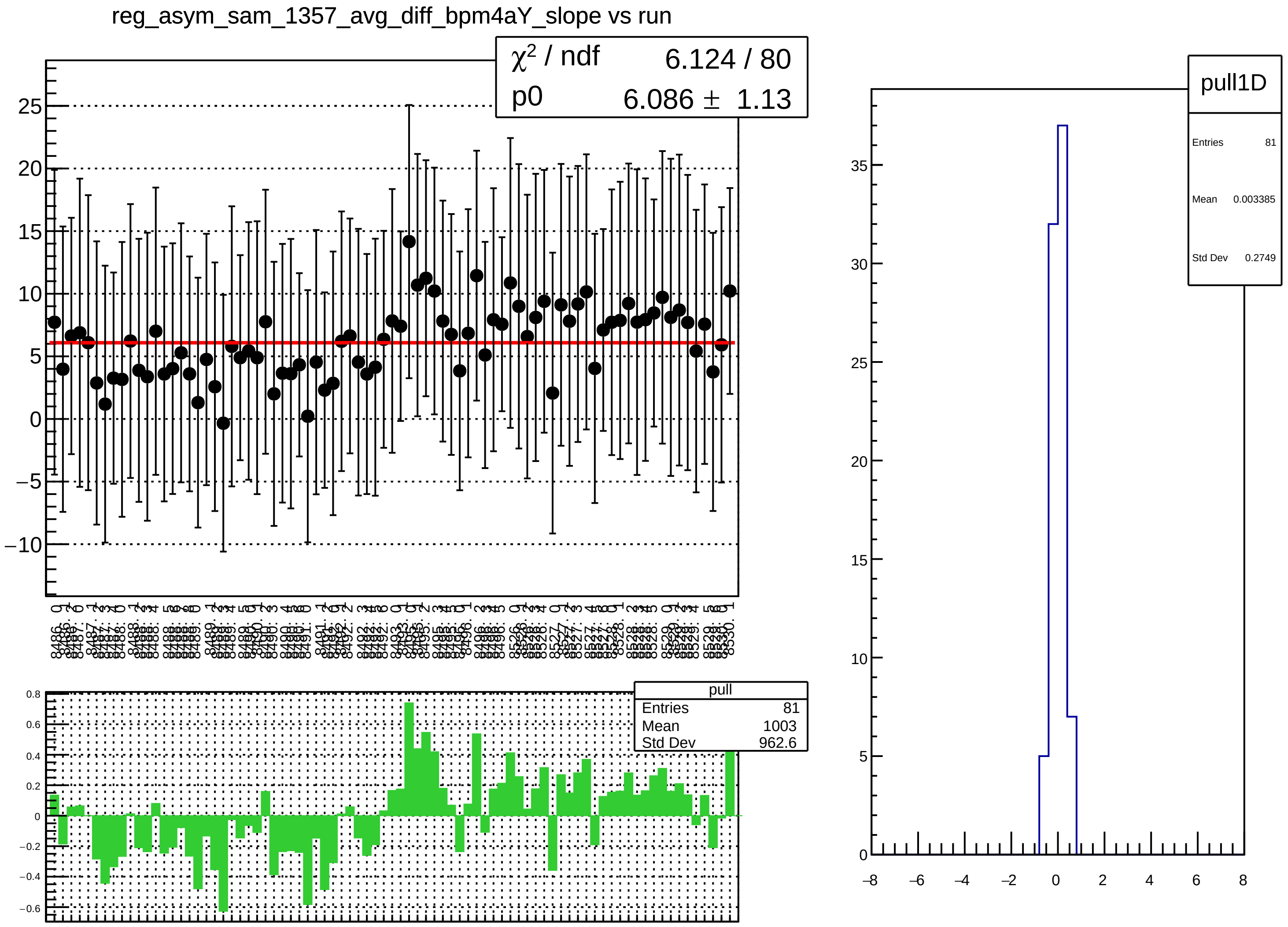




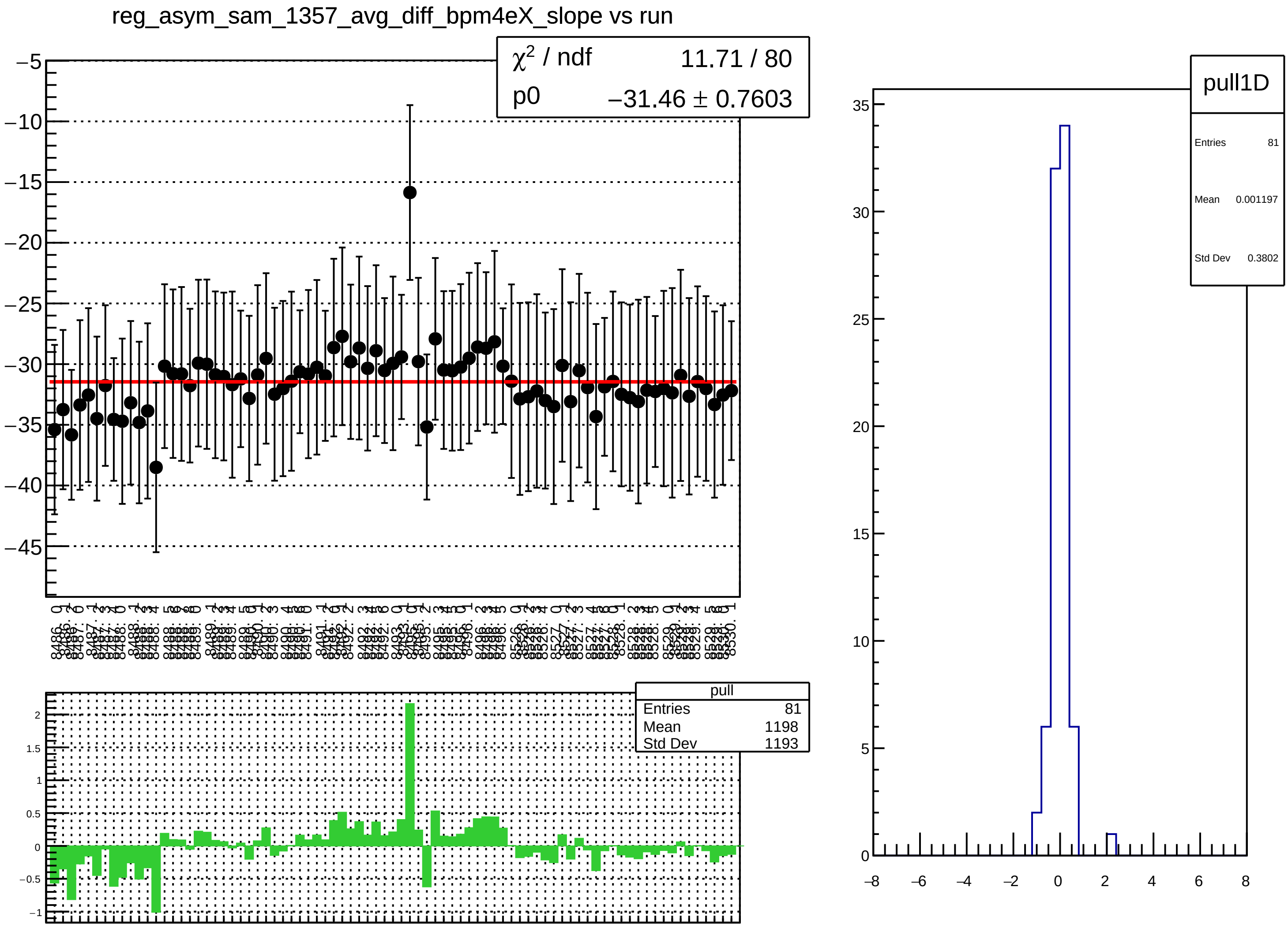


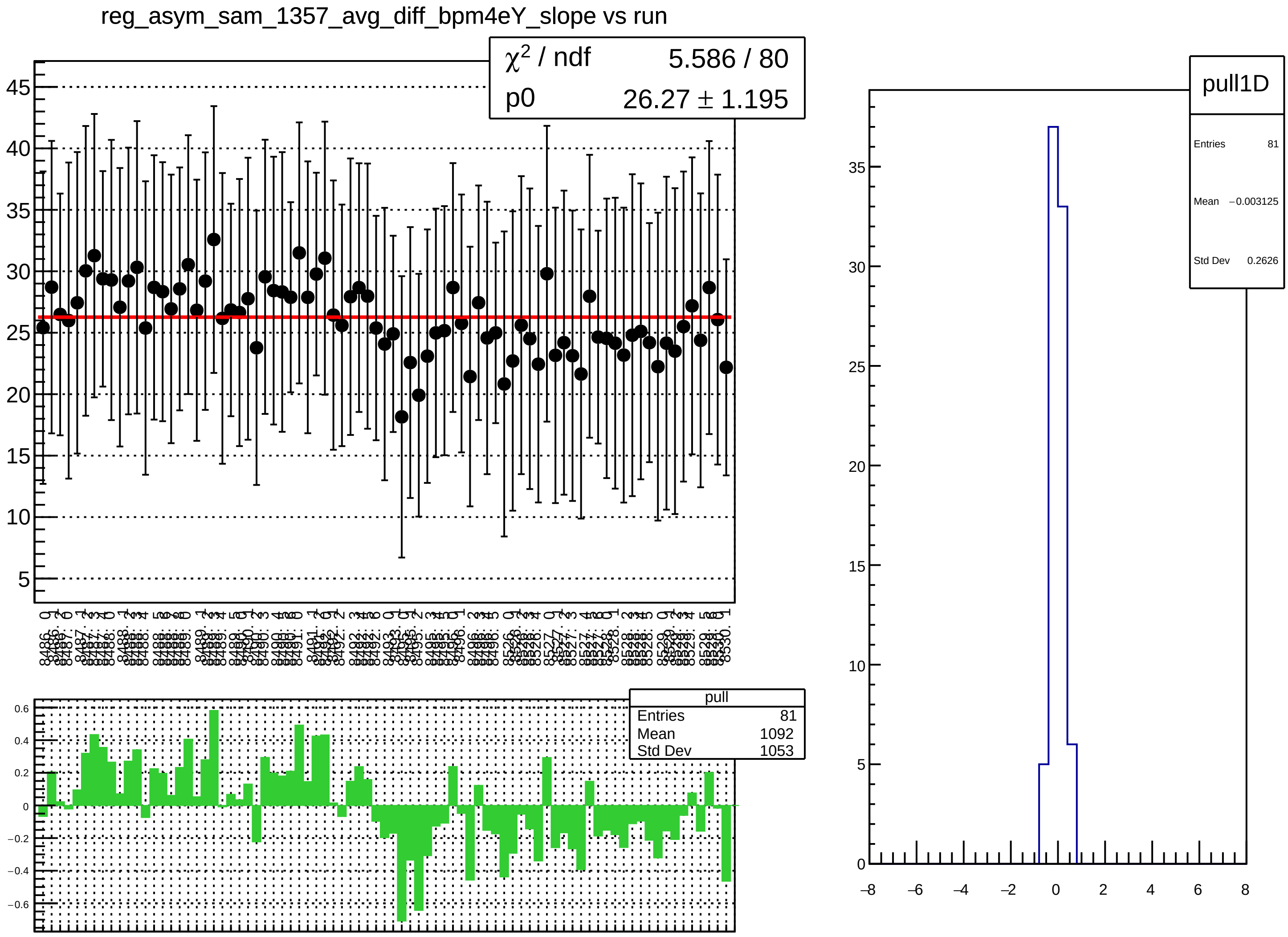


reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.55 / 80
p0 −2.843 ± 0.7038
pull
Entries 81
Mean 300.4
Std Dev 277.4
pull1D
Entries 81
Mean −0.009846
Std Dev 0.3774

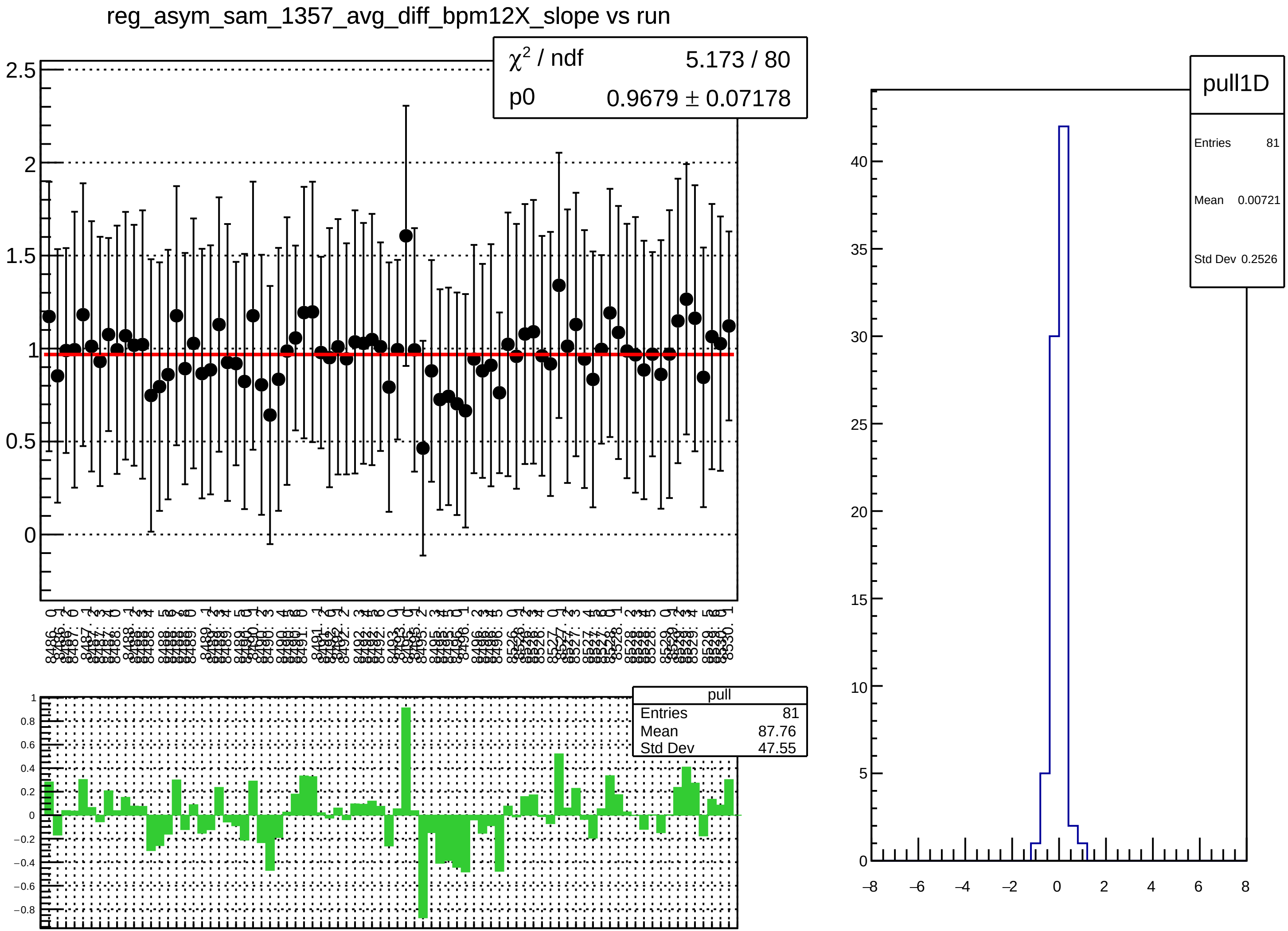


reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ2 / ndf 6.124 / 80
p0 6.086 ± 1.13
pull
Entries 81
Mean 1003
Std Dev 962.6
pull1D
Entries 81
Mean 0.003385
Std Dev 0.2749

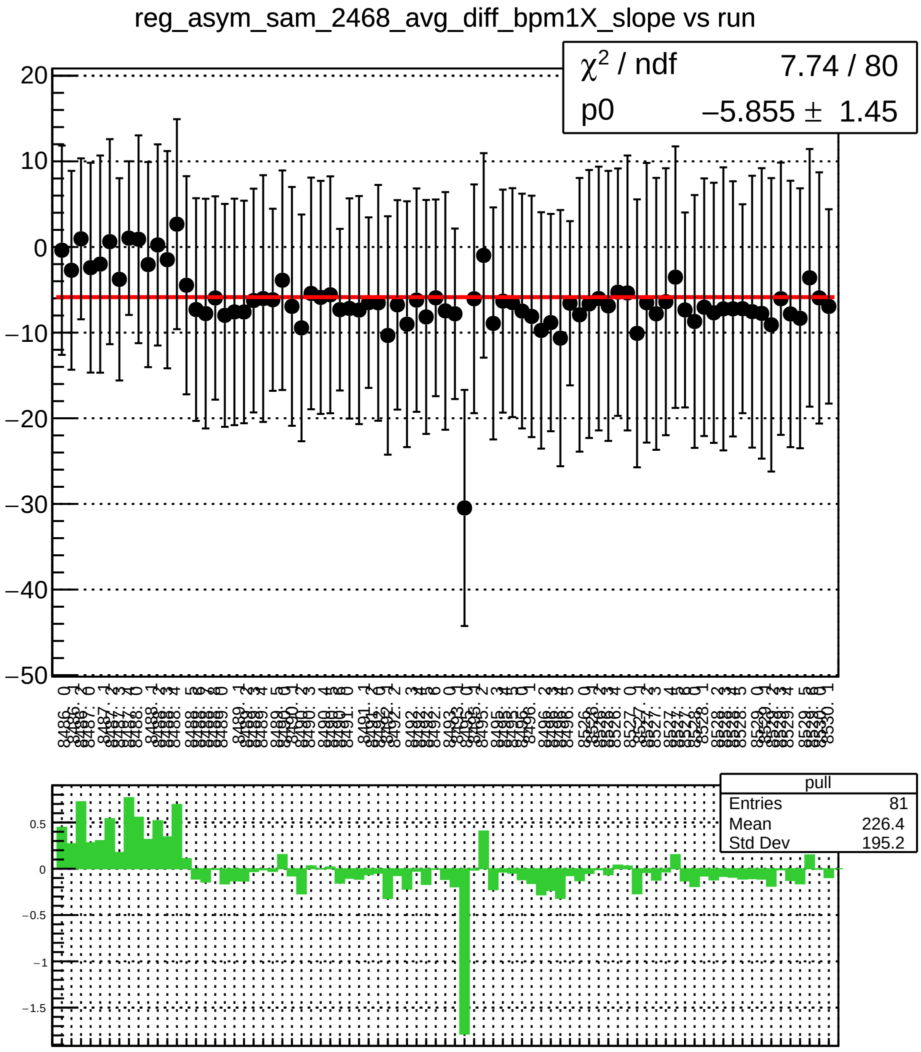

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.71 / 80
p0 −31.46 ± 0.7603
pull
Entries 81
Mean 1198
Std Dev 1193
pull1D
Entries 81
Mean 0.001197
Std Dev 0.3802



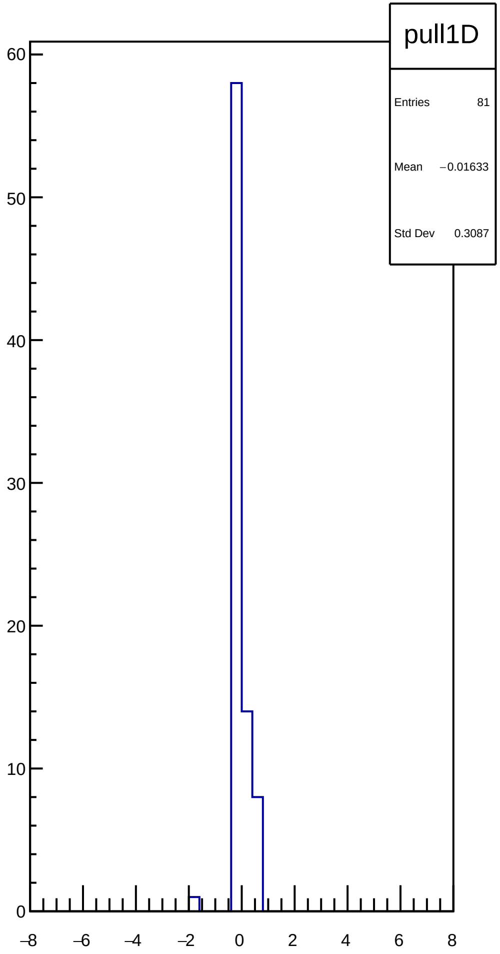
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ2 / ndf 5.586 / 80
p0 26.27 ± 1.195
pull
Entries 81
Mean 1092
Std Dev 1053
pull1D
Entries 81
Mean −0.003125
Std Dev 0.2626



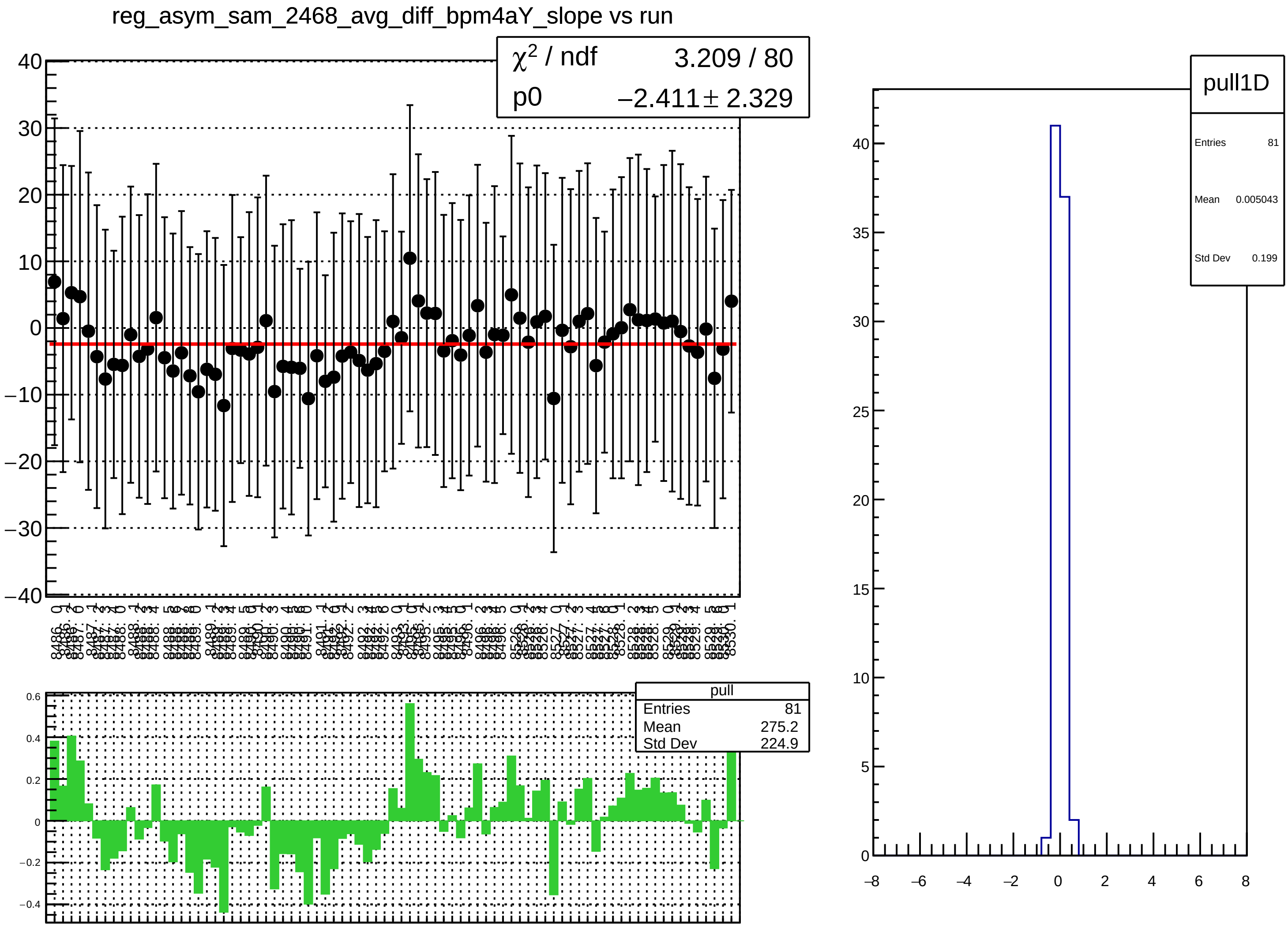
reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.173 / 80
p0 0.9679 ± 0.07178
pull
Entries 81
Mean 87.76
Std Dev 47.55
pull1D
Entries 81
Mean 0.00721
Std Dev 0.2526

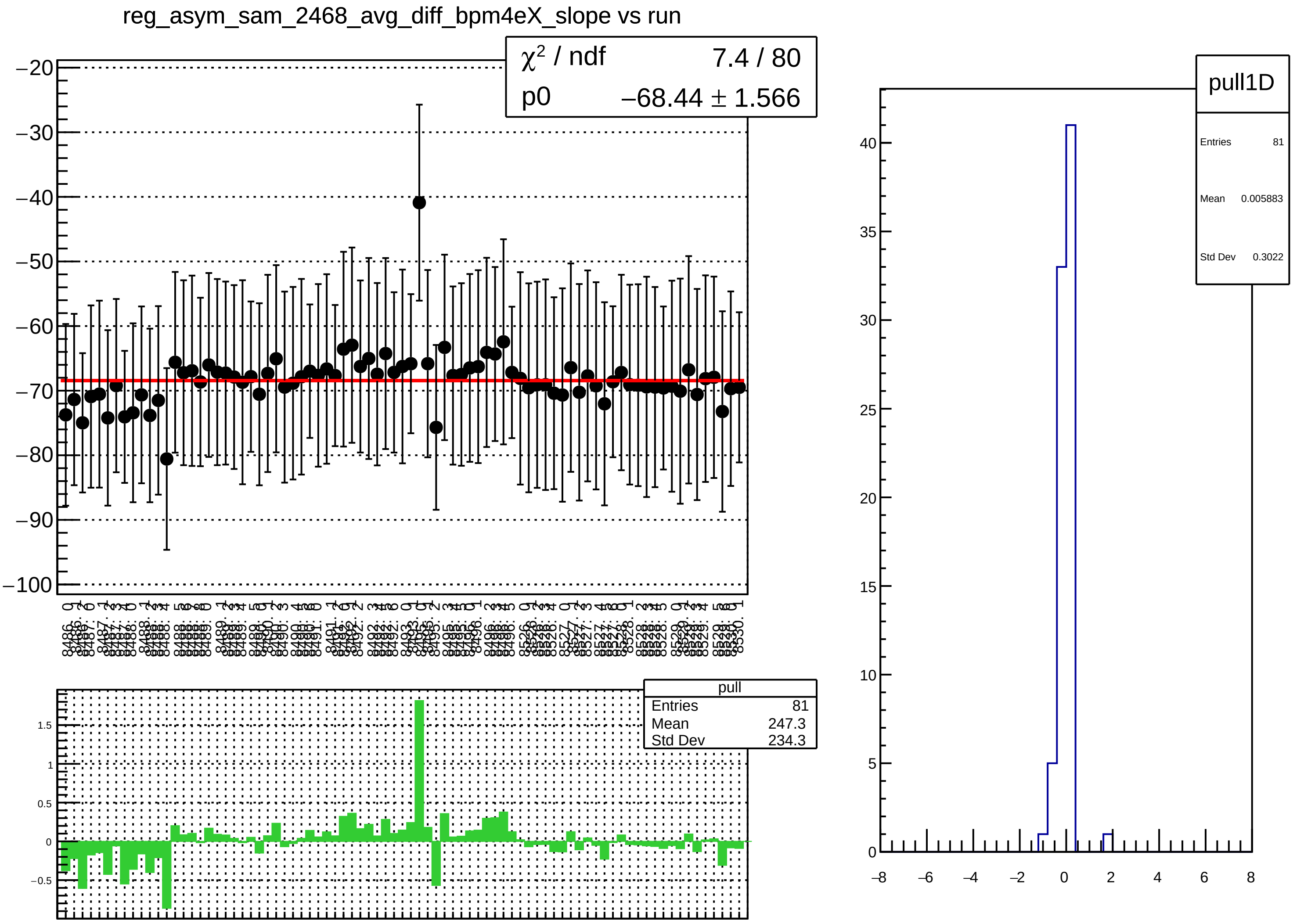


reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.74 / 80
p0 −5.855 ± 1.45
pull
Entries 81
Mean 226.4
Std Dev 195.2

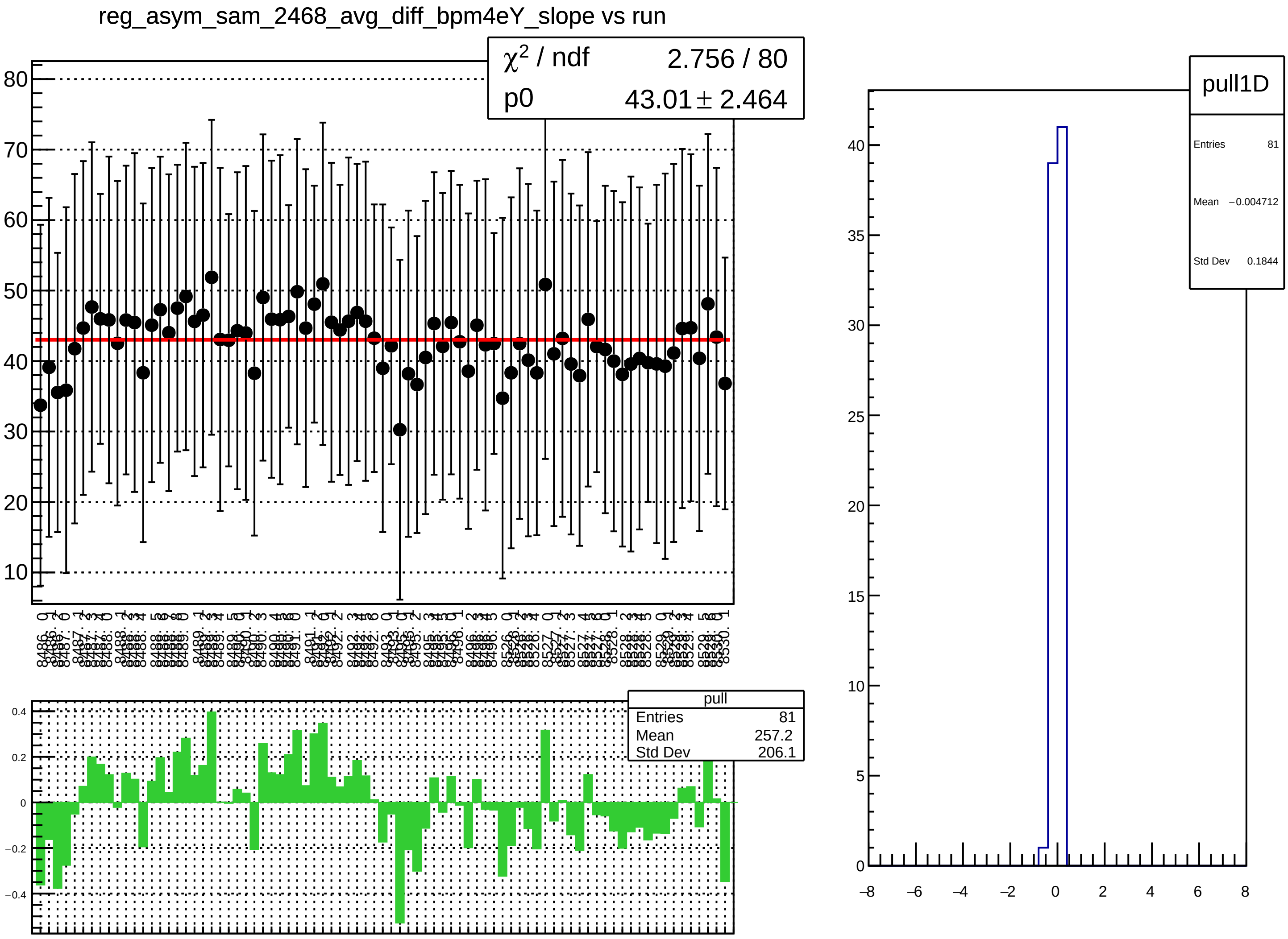


pull1D
Entries 81
Mean −0.01633
Std Dev 0.3087

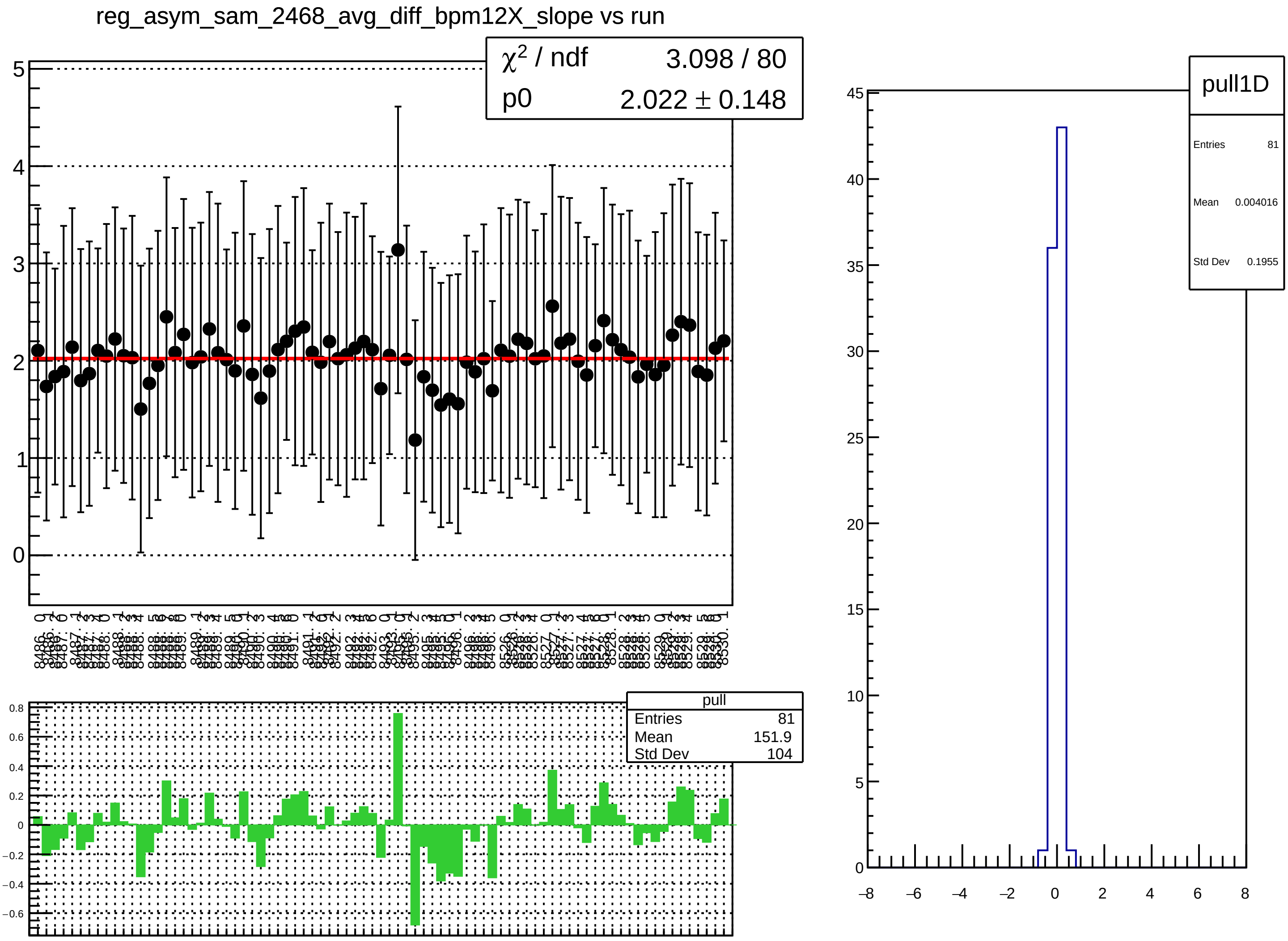

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.209 / 80
p0 −2.411 ± 2.329
pull
Entries 81
Mean 275.2
Std Dev 224.9
pull1D
Entries 81
Mean 0.005043
Std Dev 0.199

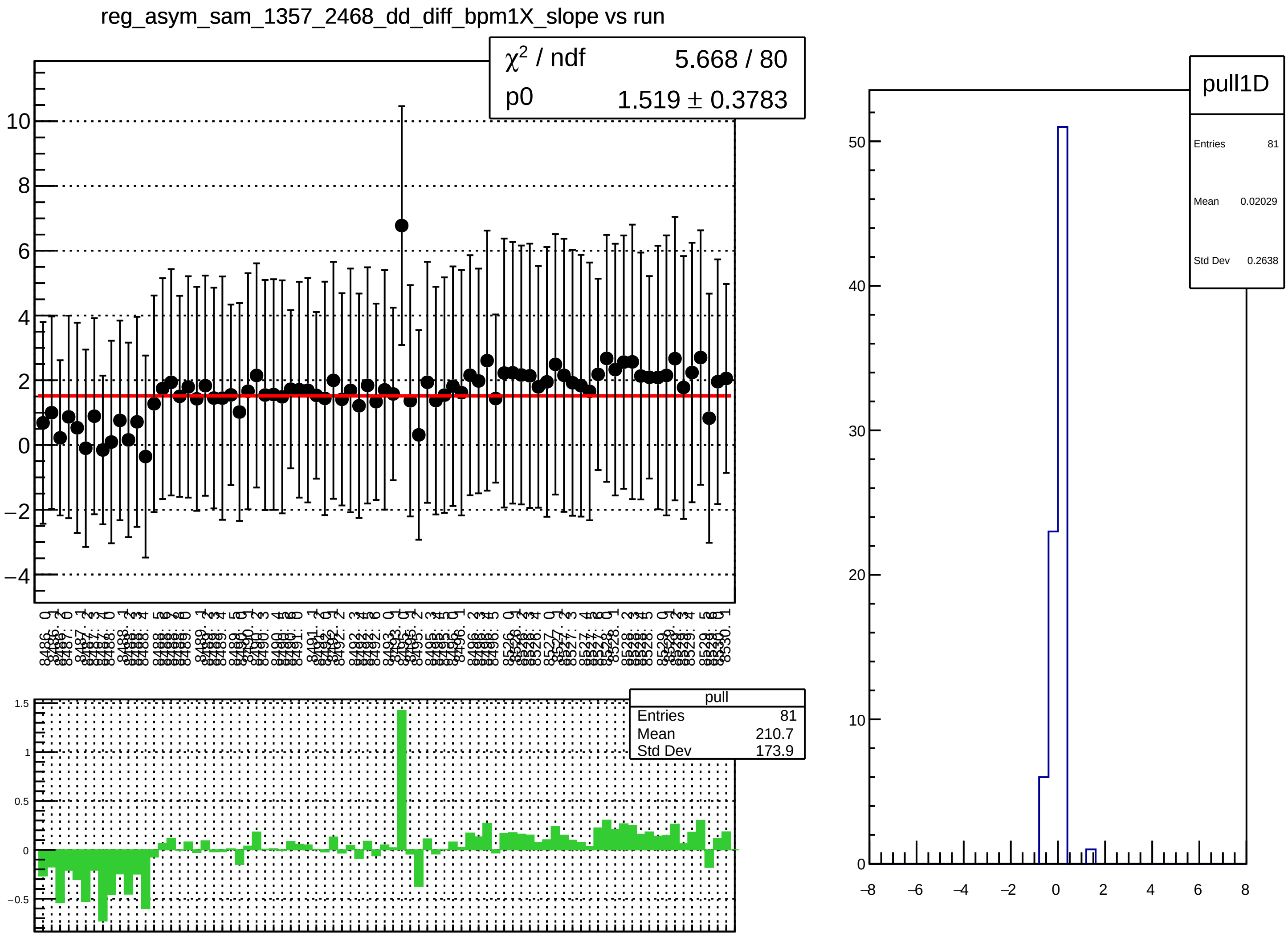


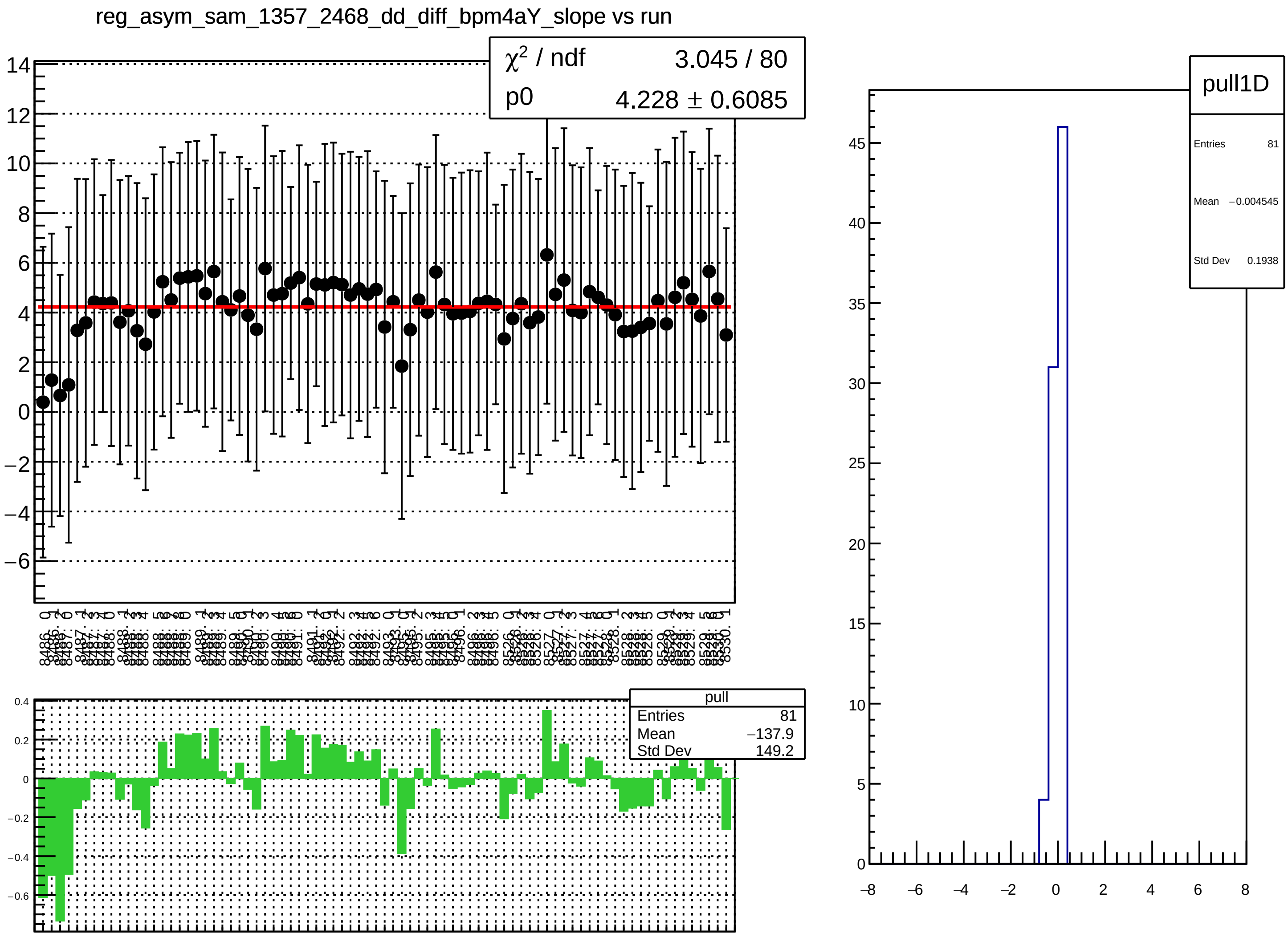
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.4 / 80
p0 −68.44 ± 1.566
pull
Entries 81
Mean 247.3
Std Dev 234.3
pull1D
Entries 81
Mean 0.005883
Std Dev 0.3022



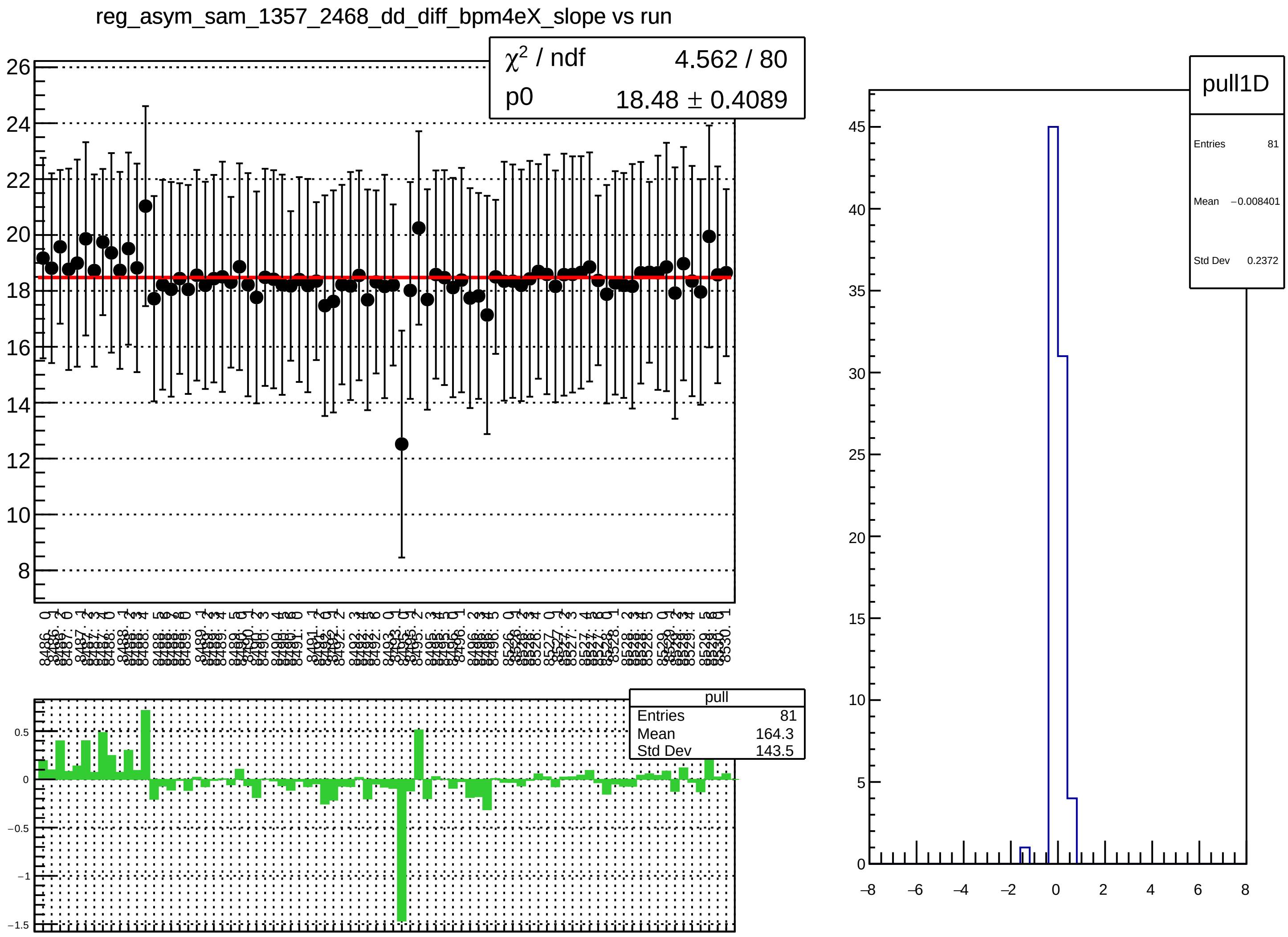
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.756 / 80
p0 43.01 ± 2.464
pull
Entries 81
Mean 257.2
Std Dev 206.1
pull1D
Entries 81
Mean −0.004712
Std Dev 0.1844


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.098 / 80
p0 2.022 ± 0.148
pull
Entries 81
Mean 151.9
Std Dev 104
pull1D
Entries 81
Mean 0.004016
Std Dev 0.1955


reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 5.668 / 80
p0 1.519 ± 0.3783
pull
Entries 81
Mean 210.7
Std Dev 173.9
pull1D
Entries 81
Mean 0.02029
Std Dev 0.2638

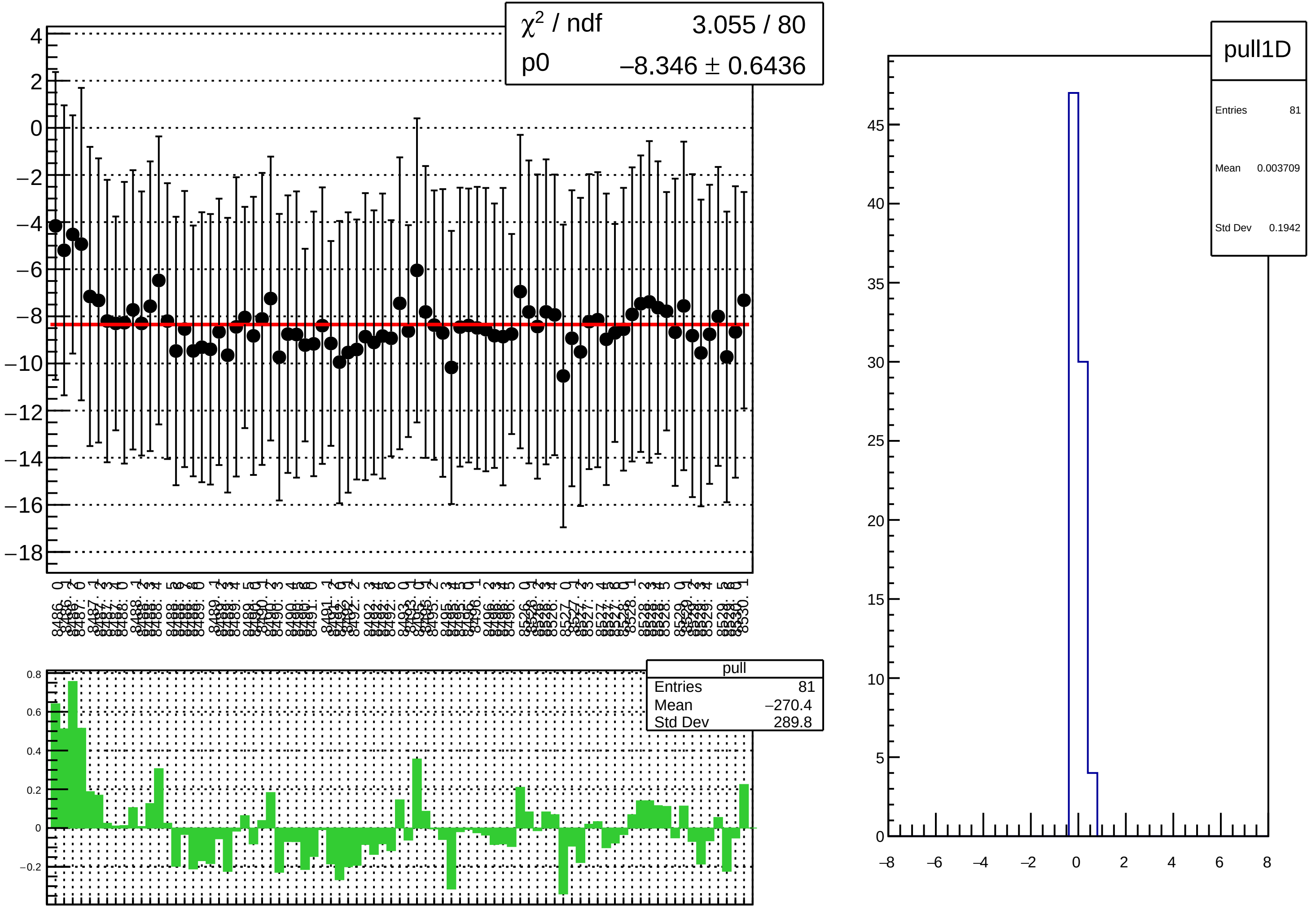


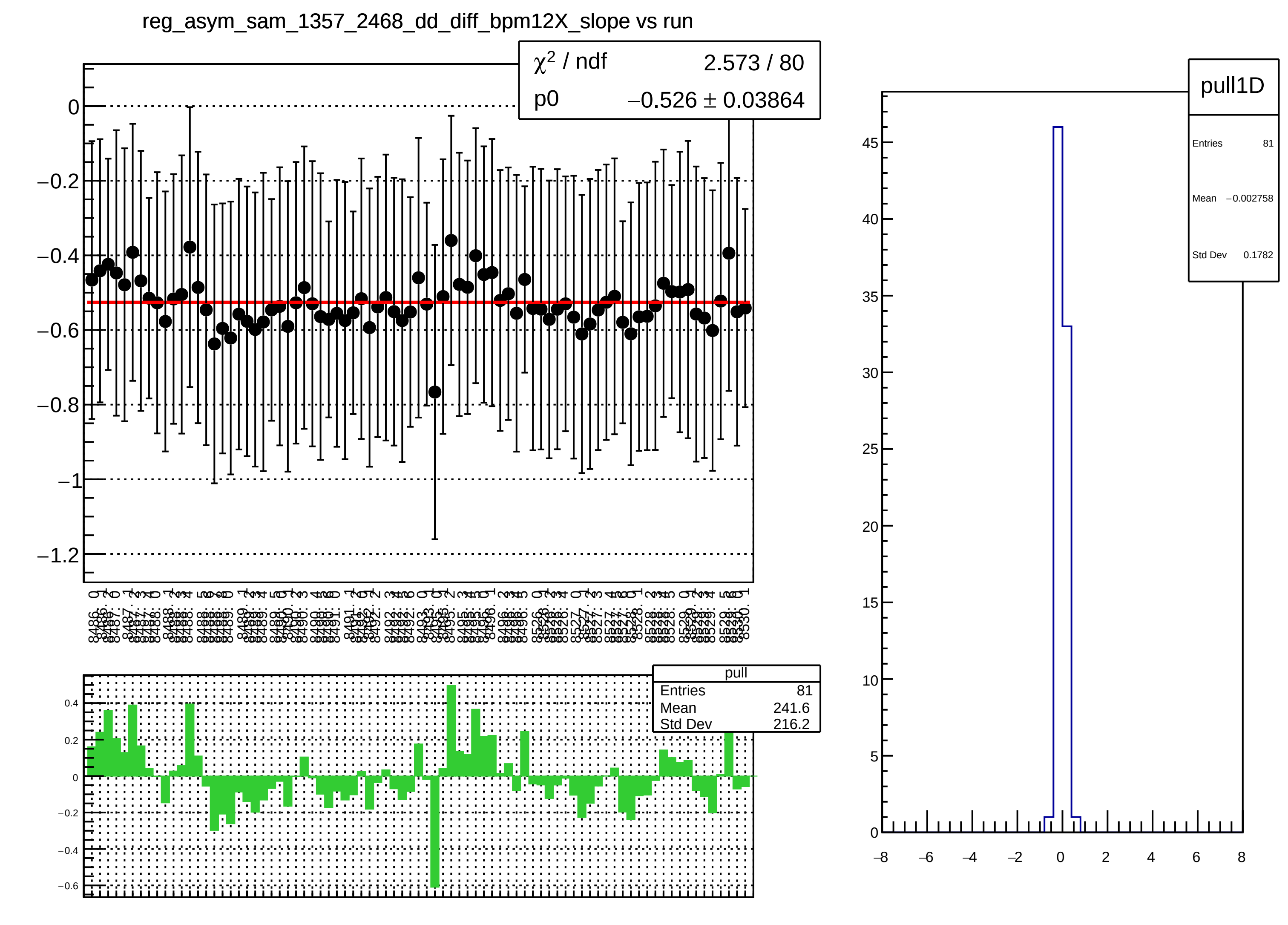
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.045 / 80
p0 4.228 ± 0.6085
pull
Entries 81
Mean −137.9
Std Dev 149.2
pull1D
Entries 81
Mean −0.004545
Std Dev 0.1938



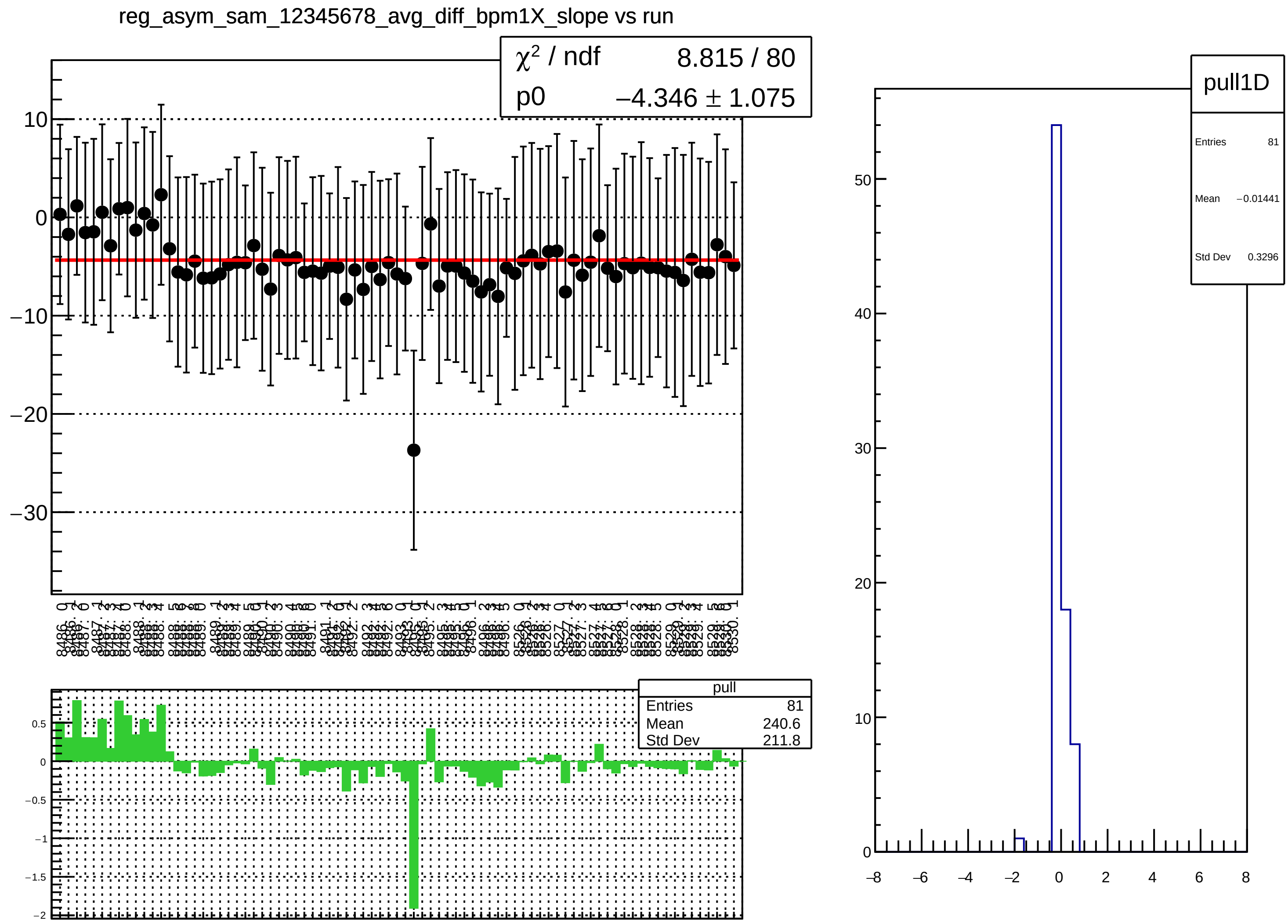
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.562 / 80
p0 18.48 ± 0.4089
pull
Entries 81
Mean 164.3
Std Dev 143.5
pull1D
Entries 81
Mean −0.008401
Std Dev 0.2372

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

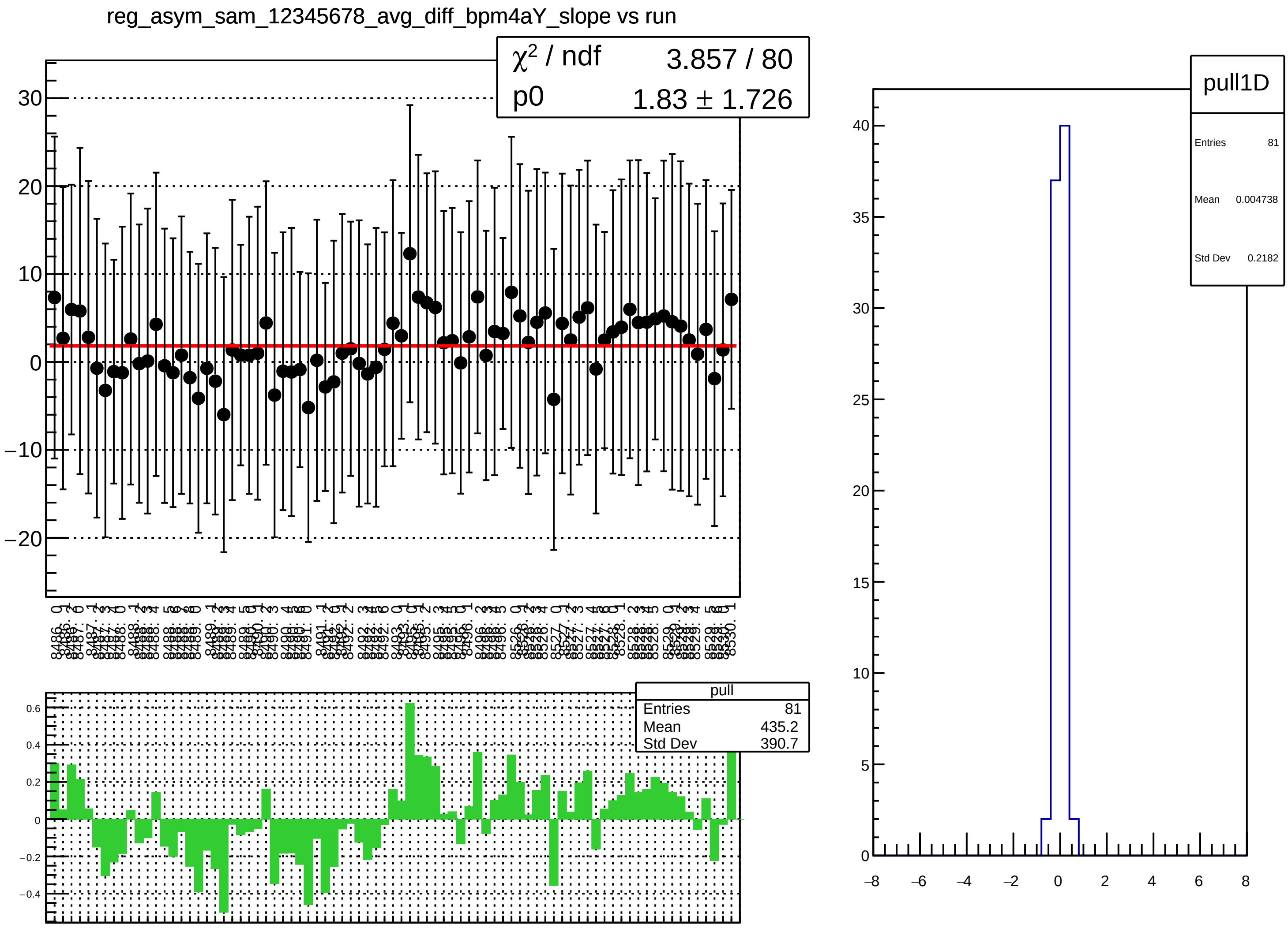


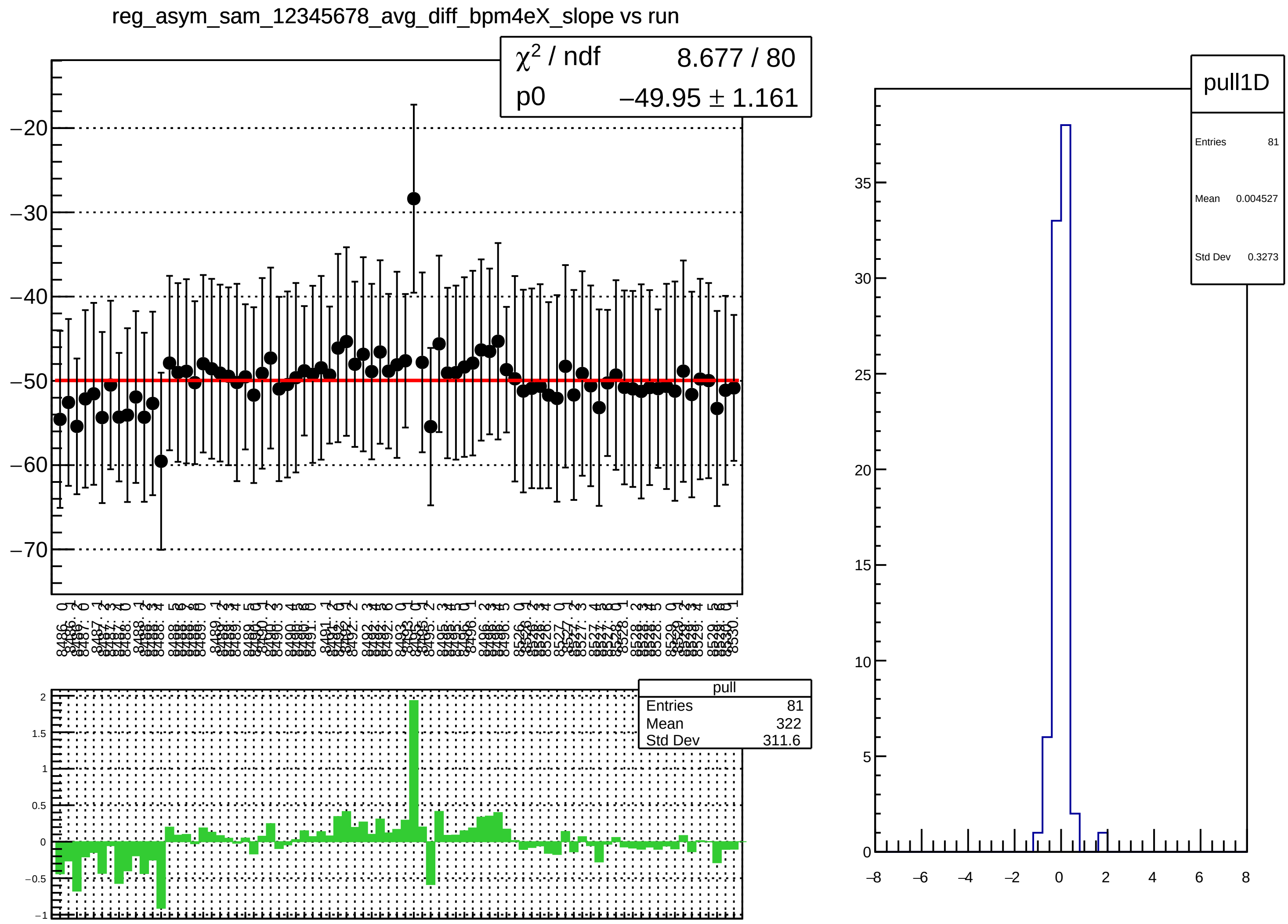


reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.573 / 80
p0 −0.526 ± 0.03864
pull
Entries 81
Mean 241.6
Std Dev 216.2
pull1D
Entries 81
Mean −0.002758
Std Dev 0.1782

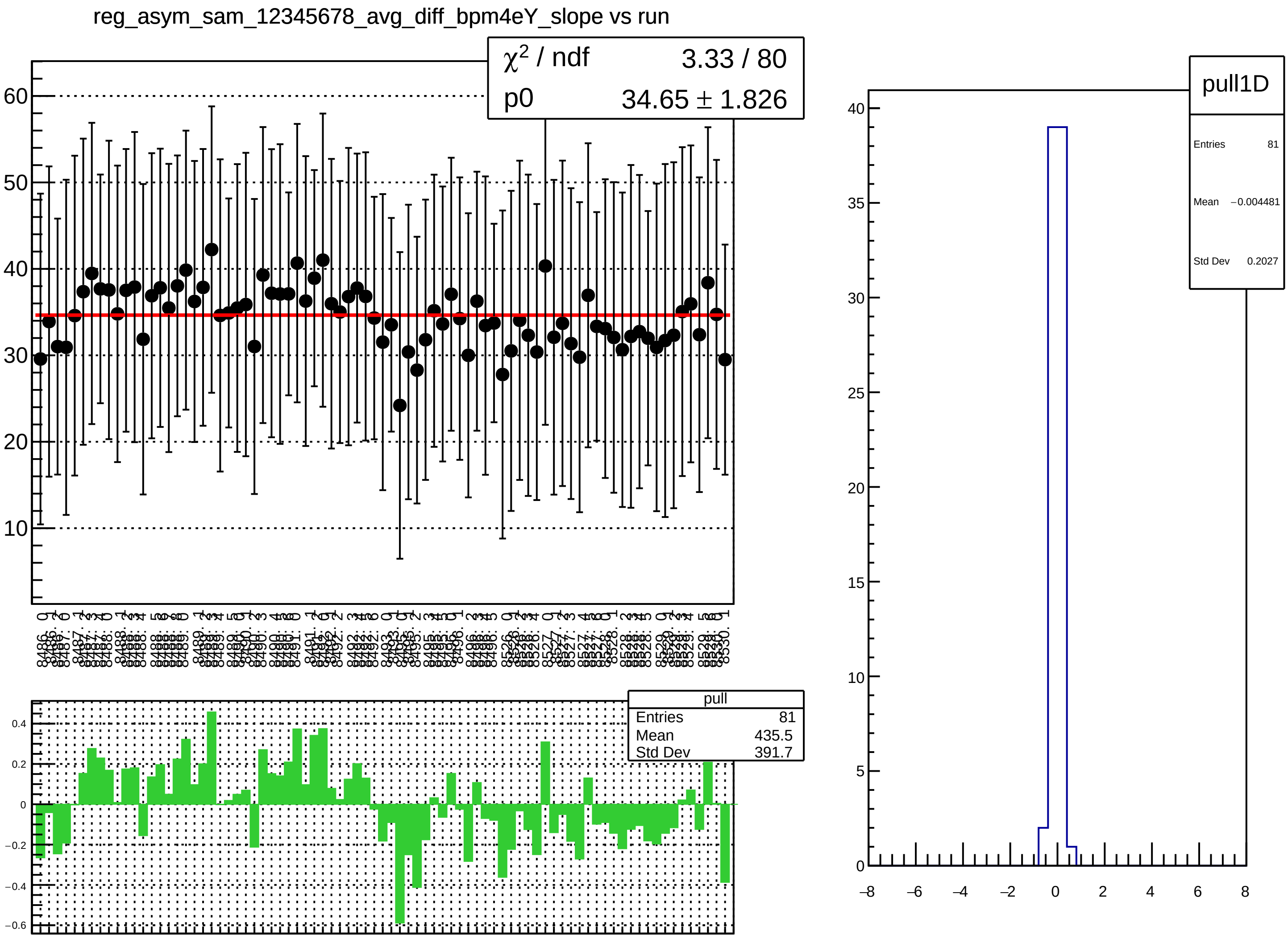


reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.815 / 80
p0 −4.346 ± 1.075
pull
Entries 81
Mean 240.6
Std Dev 211.8
pull1D
Entries 81
Mean −0.01441
Std Dev 0.3296

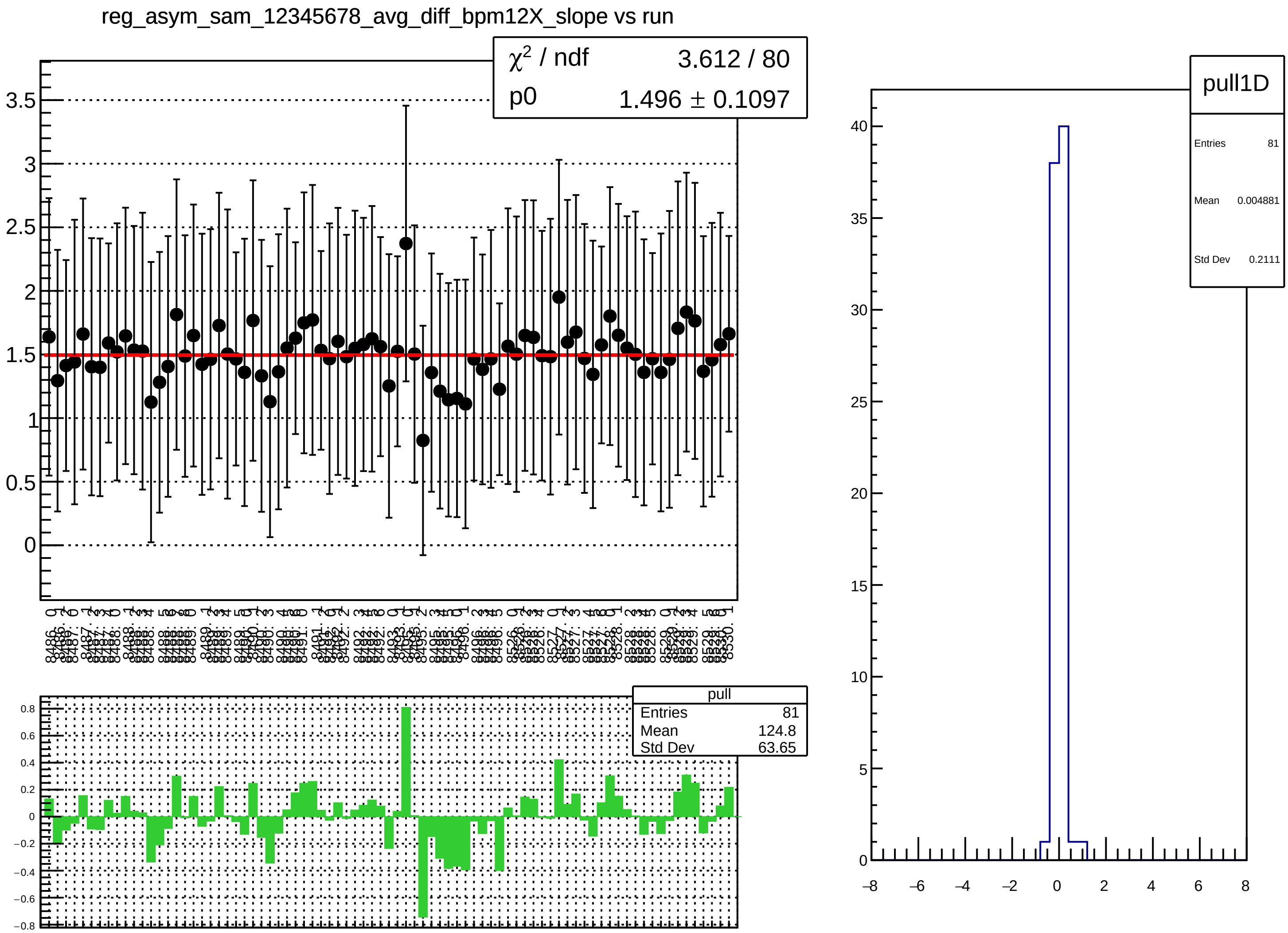

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ2 / ndf 3.857 / 80
p0 1.83 ± 1.726
pull
Entries 81
Mean 435.2
Std Dev 390.7
pull1D
Entries 81
Mean 0.004738
Std Dev 0.2182



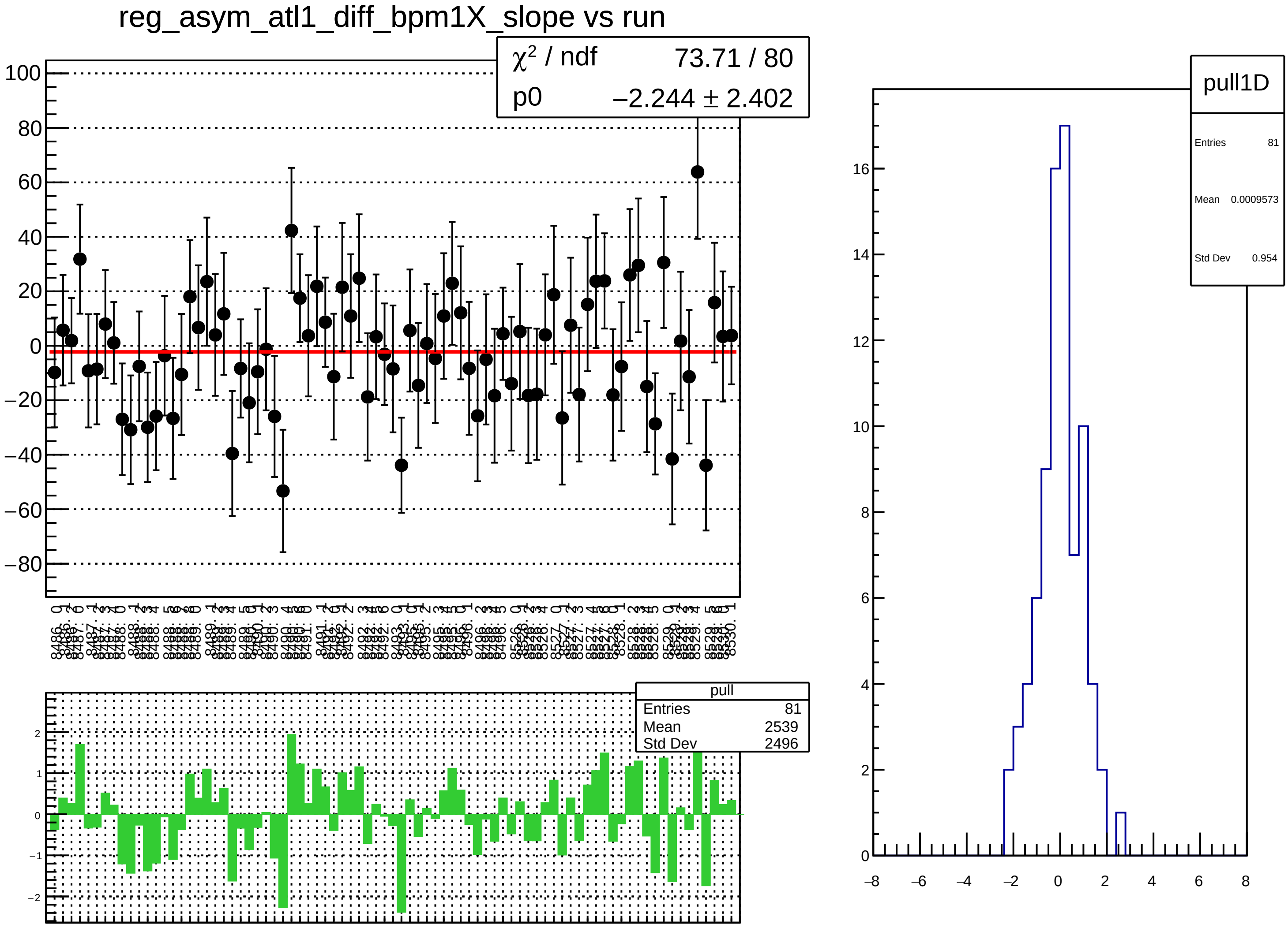
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 8.677 / 80
p0 −49.95 ± 1.161
pull
Entries 81
Mean 322
Std Dev 311.6
pull1D
Entries 81
Mean 0.004527
Std Dev 0.3273



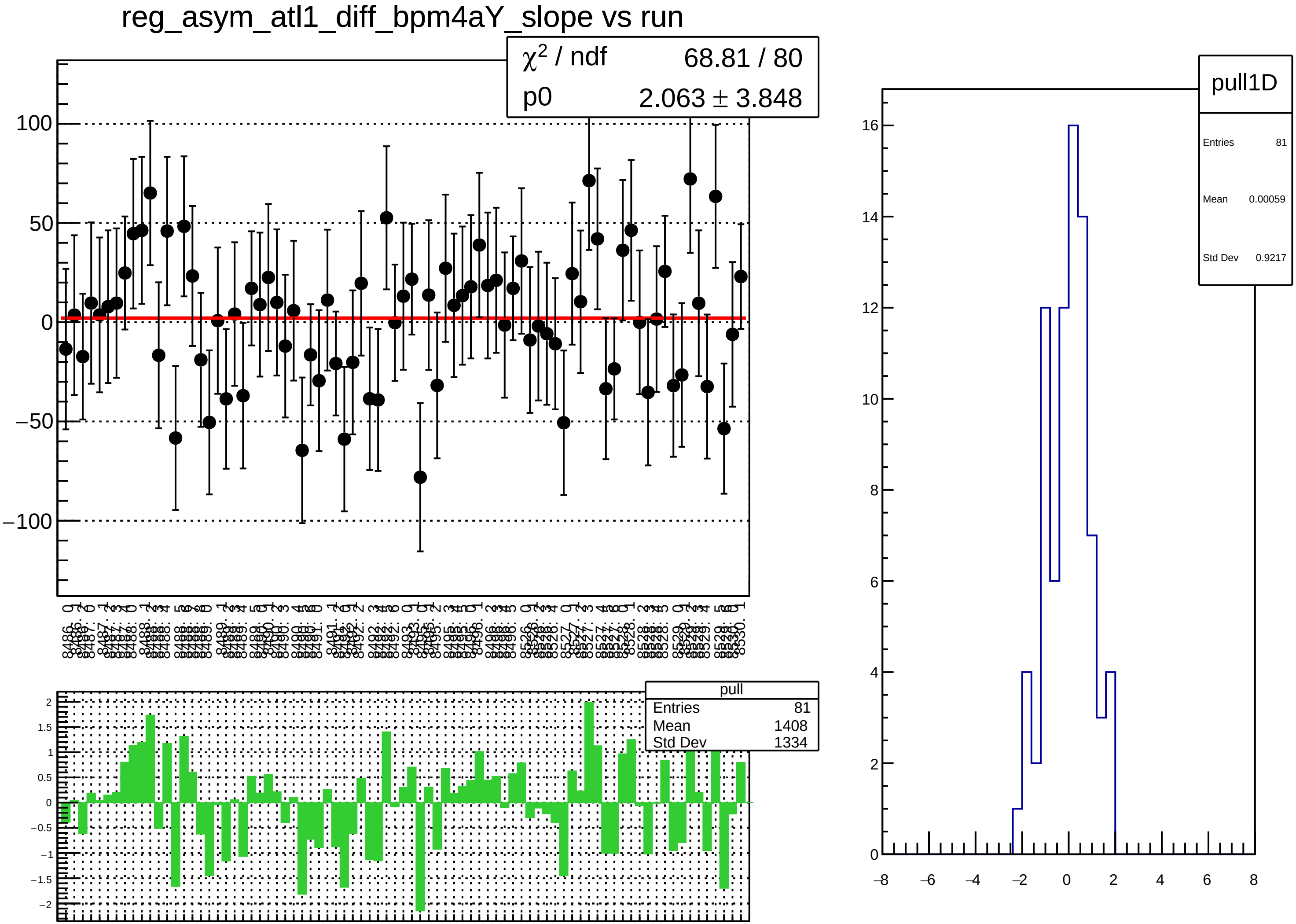
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.33 / 80
p0 34.65 ± 1.826
pull
Entries 81
Mean 435.5
Std Dev 391.7
pull1D
Entries 81
Mean −0.004481
Std Dev 0.2027



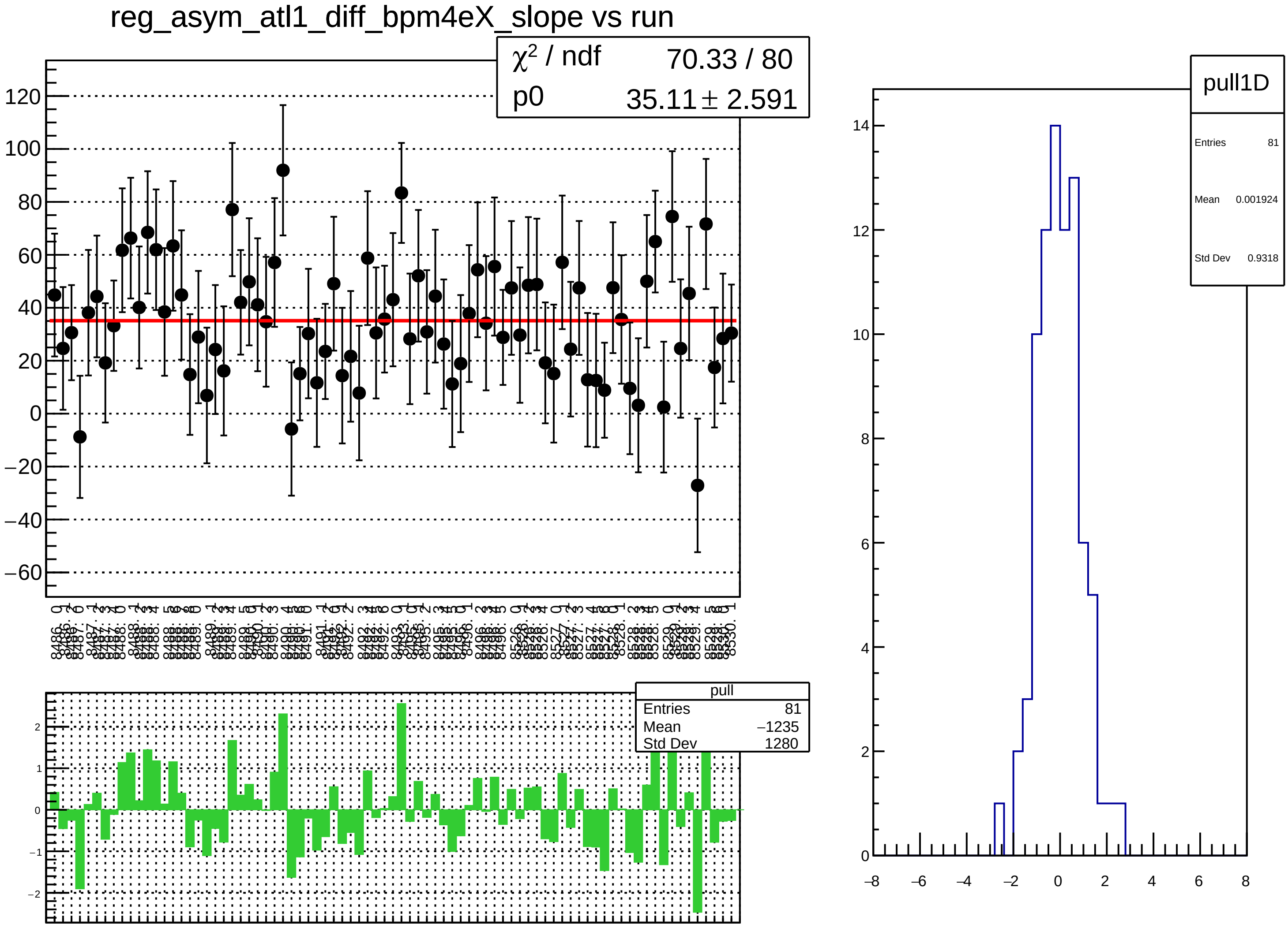
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.612 / 80
p0 1.496 ± 0.1097
pull
Entries 81
Mean 124.8
Std Dev 63.65
pull1D
Entries 81
Mean 0.004881
Std Dev 0.2111



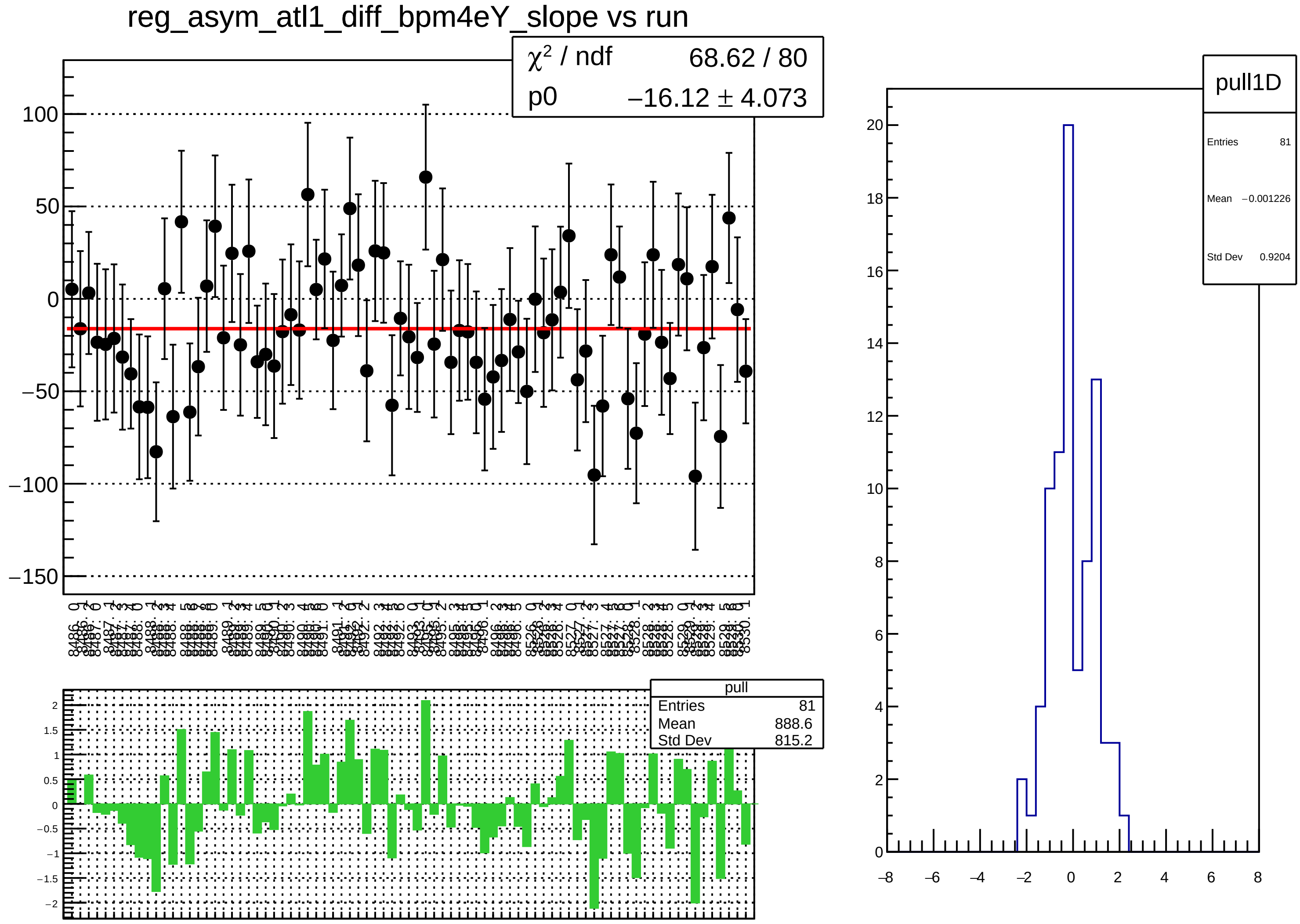
reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 73.71 / 80
p0 −2.244 ± 2.402
pull
Entries 81
Mean 2539
Std Dev 2496
pull1D
Entries 81
Mean 0.0009573
Std Dev 0.954



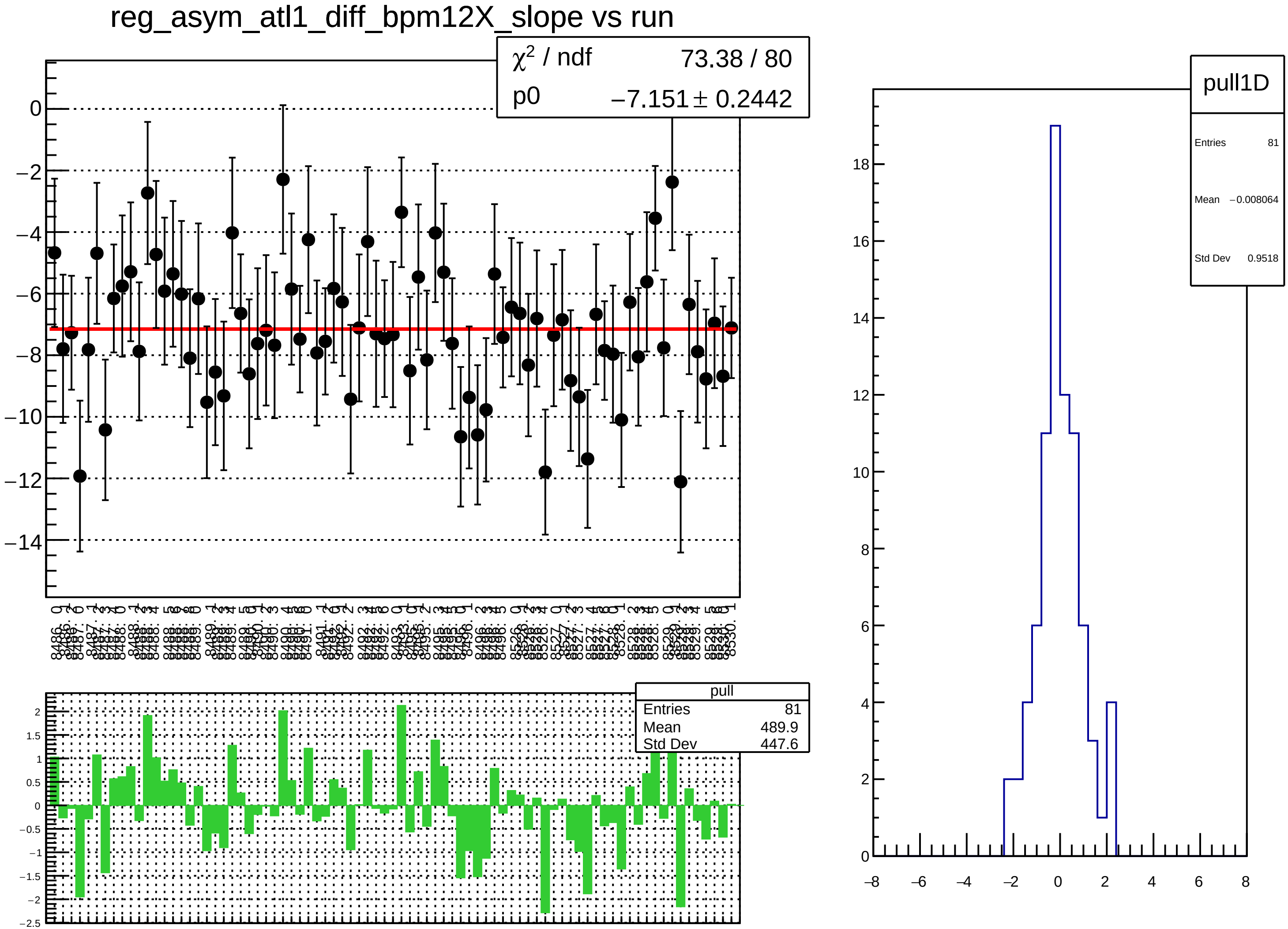
reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 68.81 / 80
p0 2.063 ± 3.848
pull
Entries 81
Mean 1408
Std Dev 1334
pull1D
Entries 81
Mean 0.00059
Std Dev 0.9217



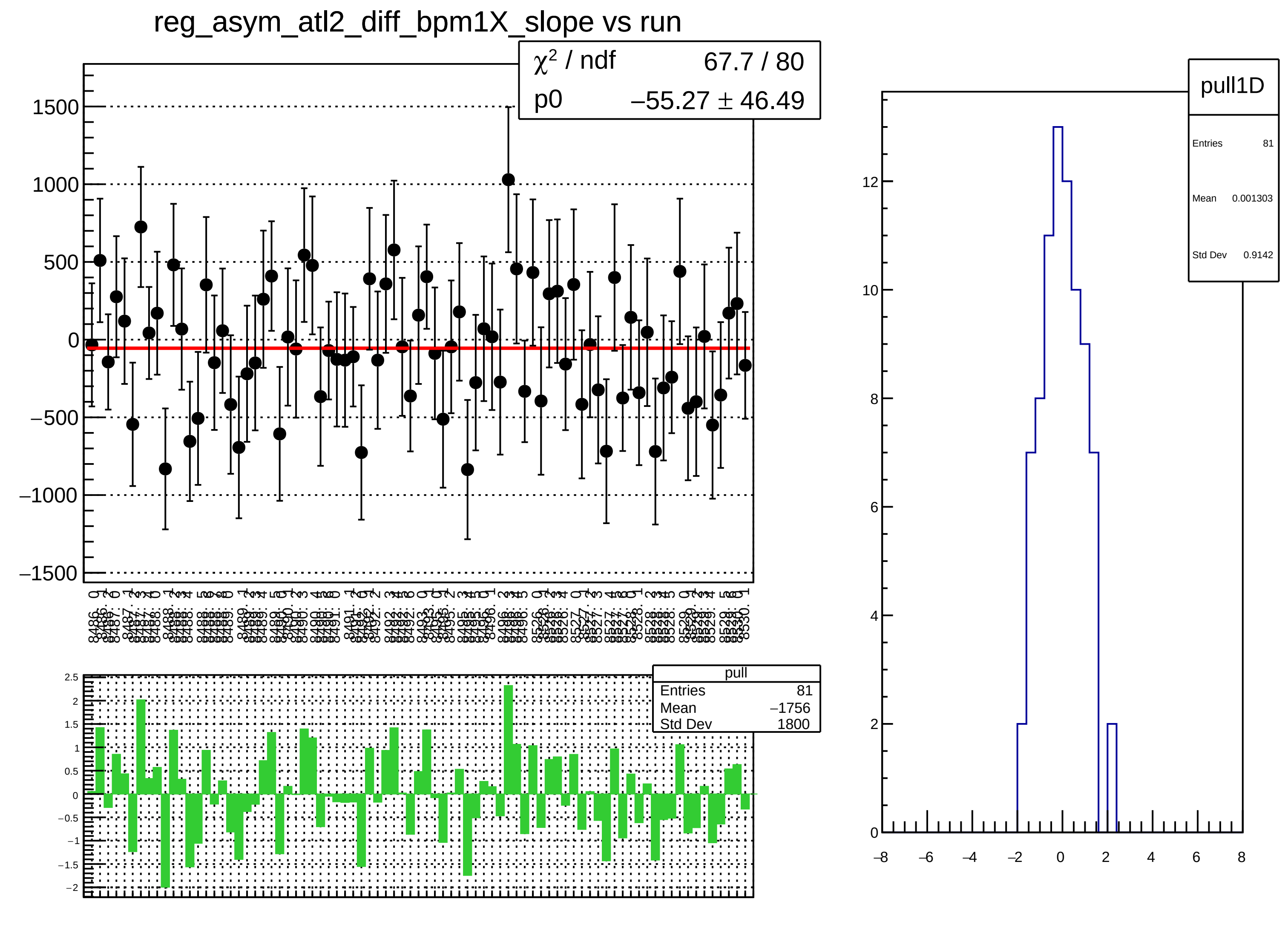
reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 70.33 / 80
p0 35.11 ± 2.591
pull
Entries 81
Mean −1235
Std Dev 1280
pull1D
Entries 81
Mean 0.001924
Std Dev 0.9318



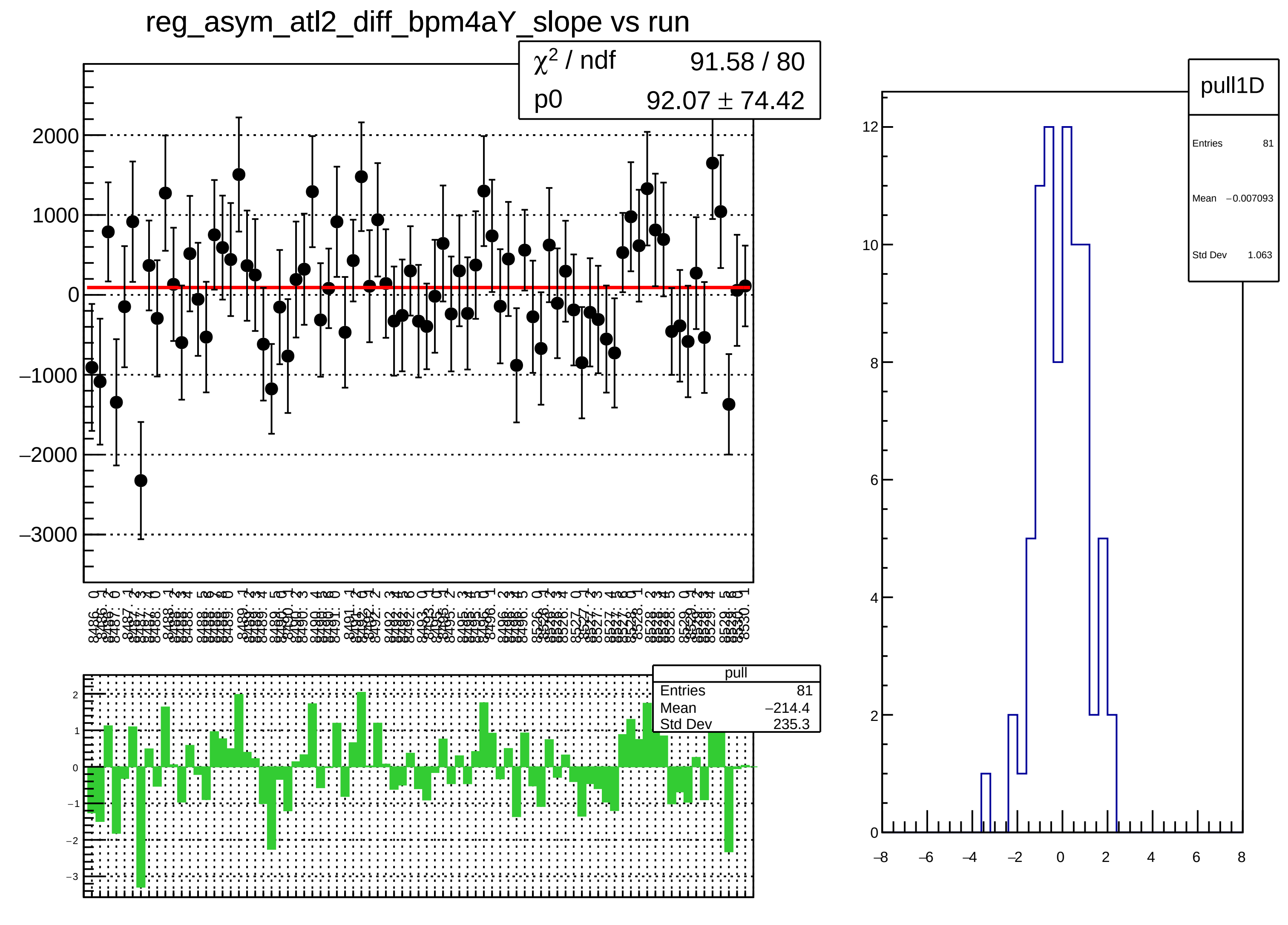
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 68.62 / 80
p0 −16.12 ± 4.073
pull
Entries 81
Mean 888.6
Std Dev 815.2
pull1D
Entries 81
Mean −0.001226
Std Dev 0.9204



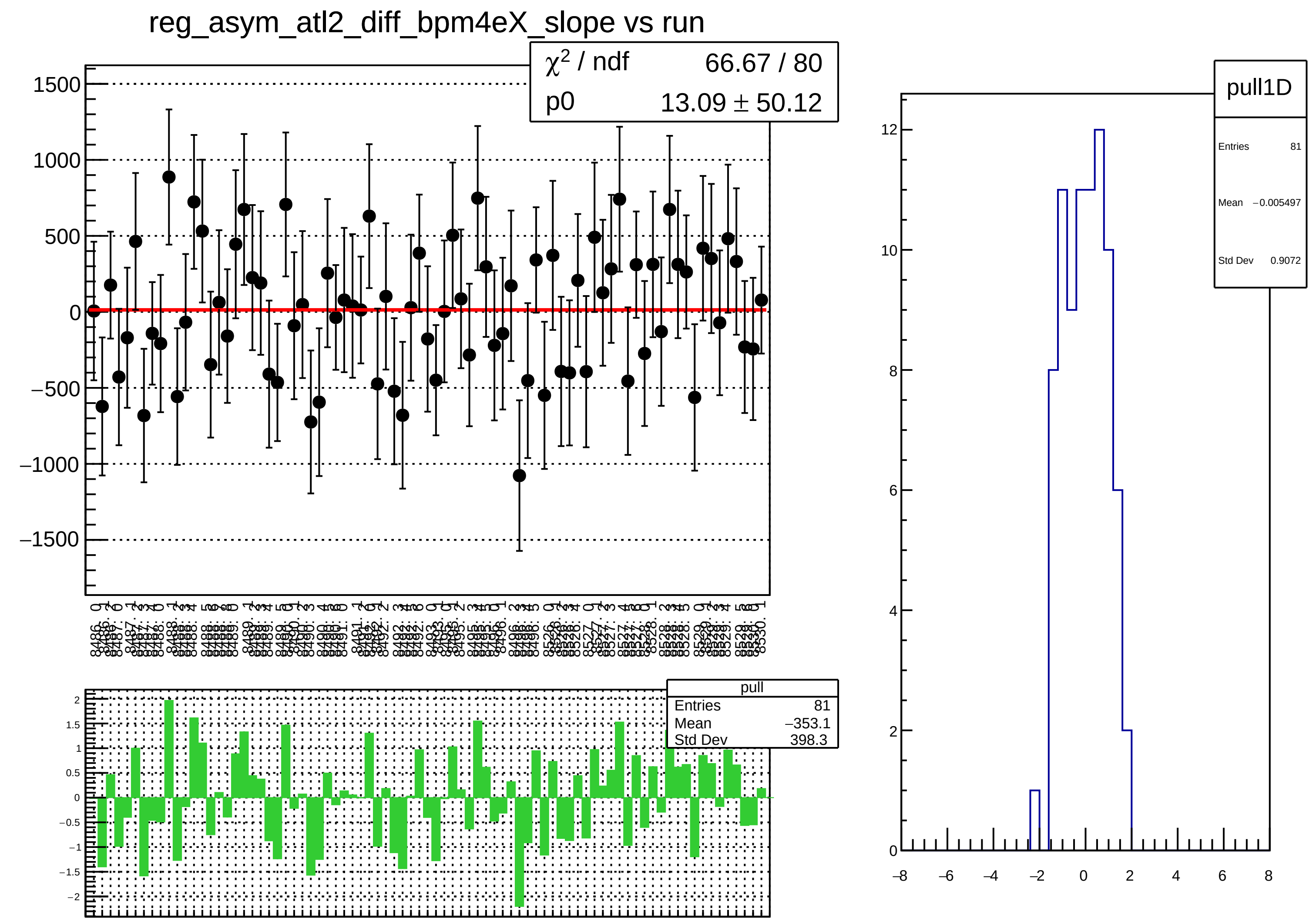
reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 73.38 / 80
p0 −7.151 ± 0.2442
pull
Entries 81
Mean 489.9
Std Dev 447.6
pull1D
Entries 81
Mean −0.008064
Std Dev 0.9518



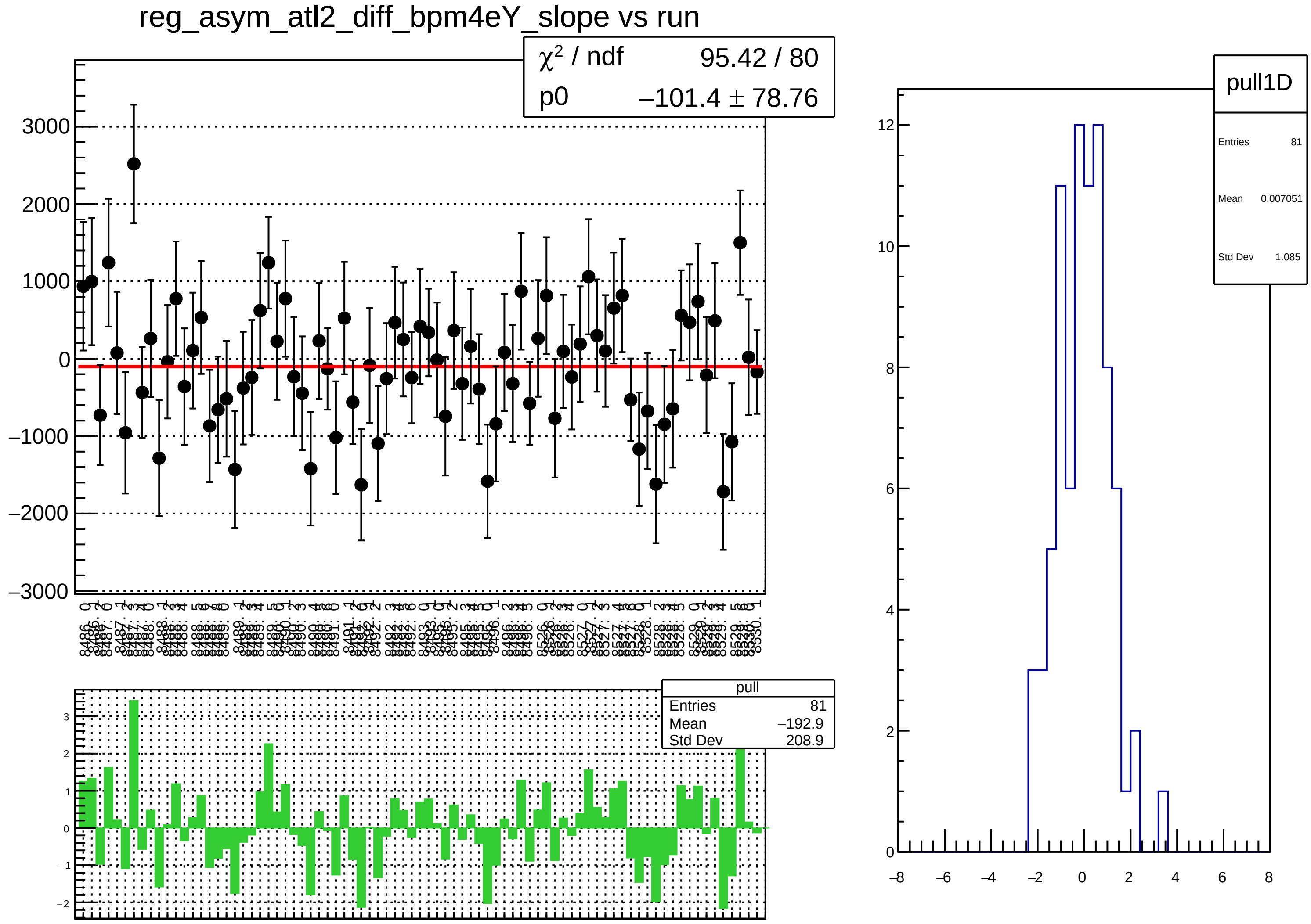
reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 67.7 / 80
p0 −55.27 ± 46.49
pull
Entries 81
Mean −1756
Std Dev 1800
pull1D
Entries 81
Mean 0.001303
Std Dev 0.9142

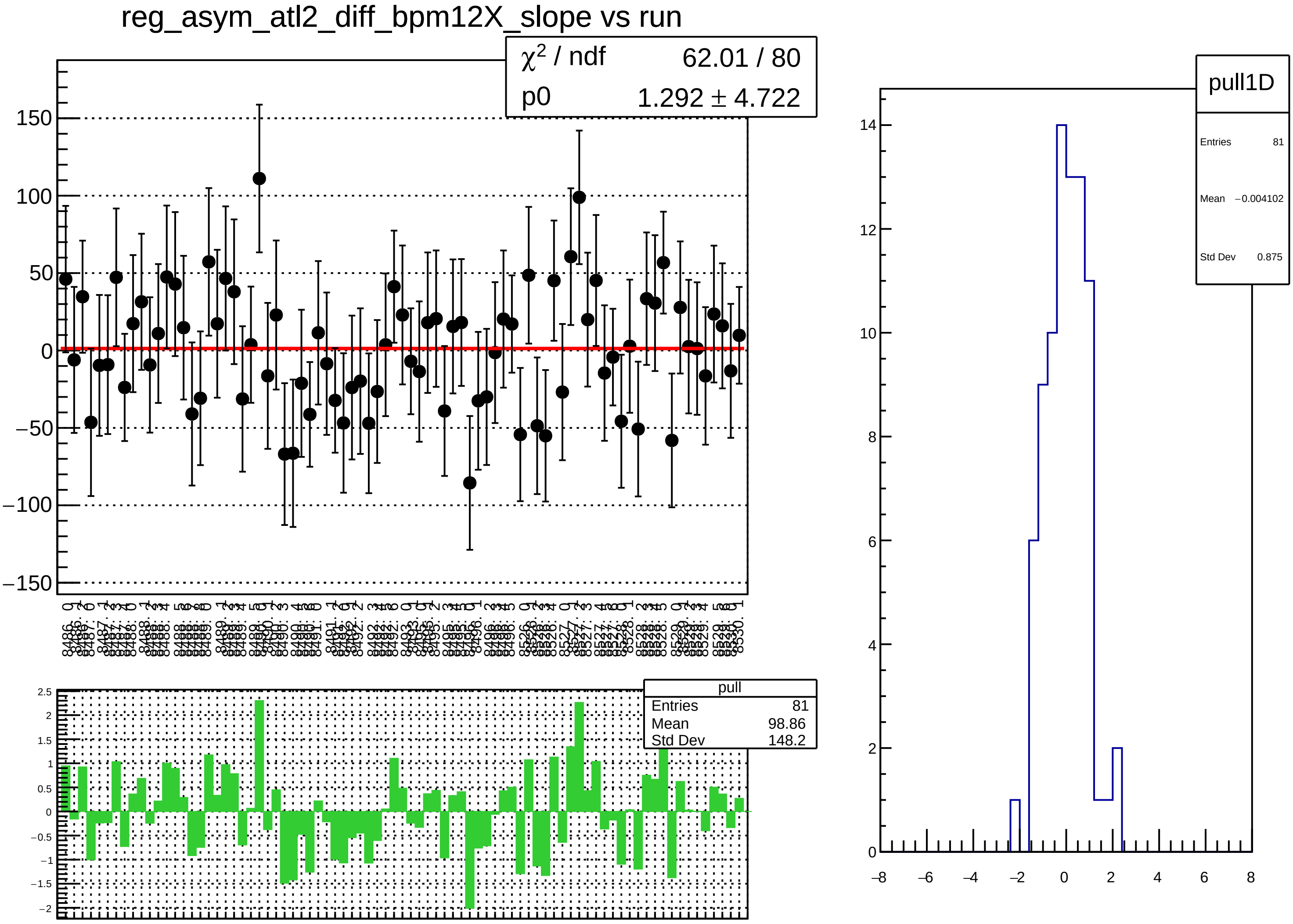


reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 91.58 / 80
p0 92.07 ± 74.42
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean −214.4
Std Dev 235.3
pull1D
Entries 81
Mean −0.007093
Std Dev 1.063

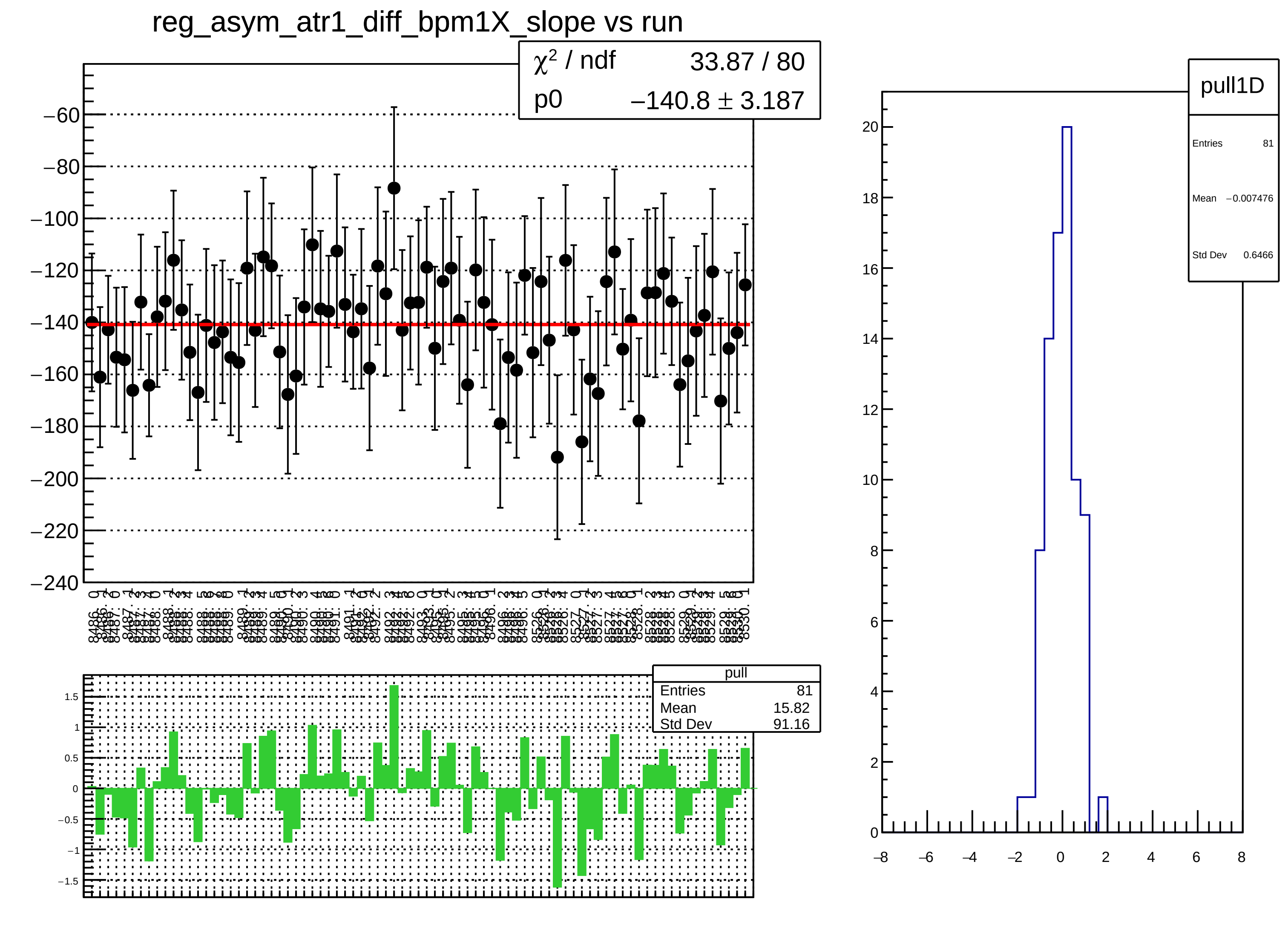


reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 66.67 / 80
p0 13.09 ± 50.12
pull
Entries 81
Mean −353.1
Std Dev 398.3
pull1D
Entries 81
Mean −0.005497
Std Dev 0.9072


reg_asym_atl2_diff_bpm4eY_slope vs run
χ2 / ndf 95.42 / 80
p0 −101.4 ± 78.76
pull
Entries 81
Mean −192.9
Std Dev 208.9
pull1D
Entries 81
Mean 0.007051
Std Dev 1.085

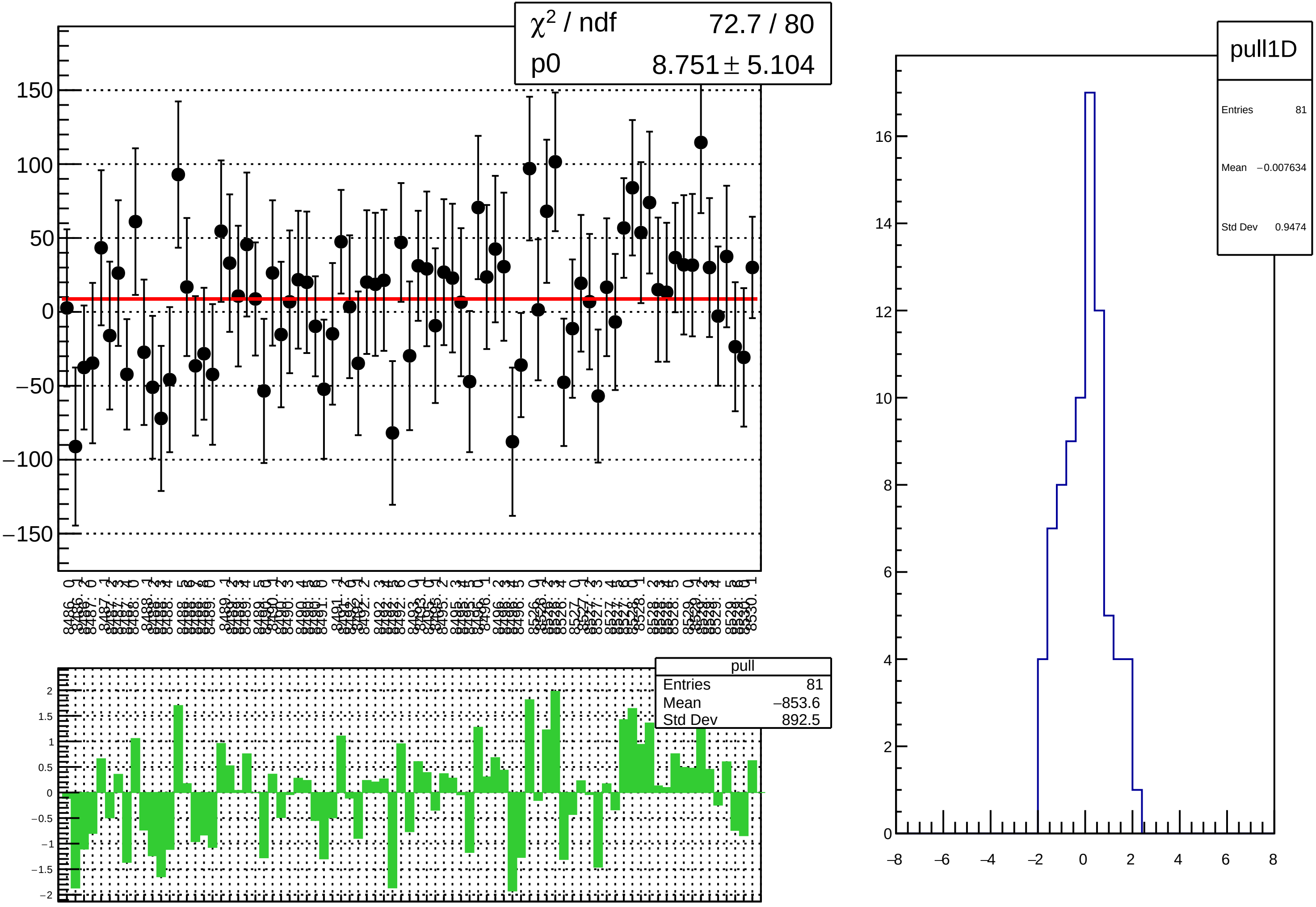


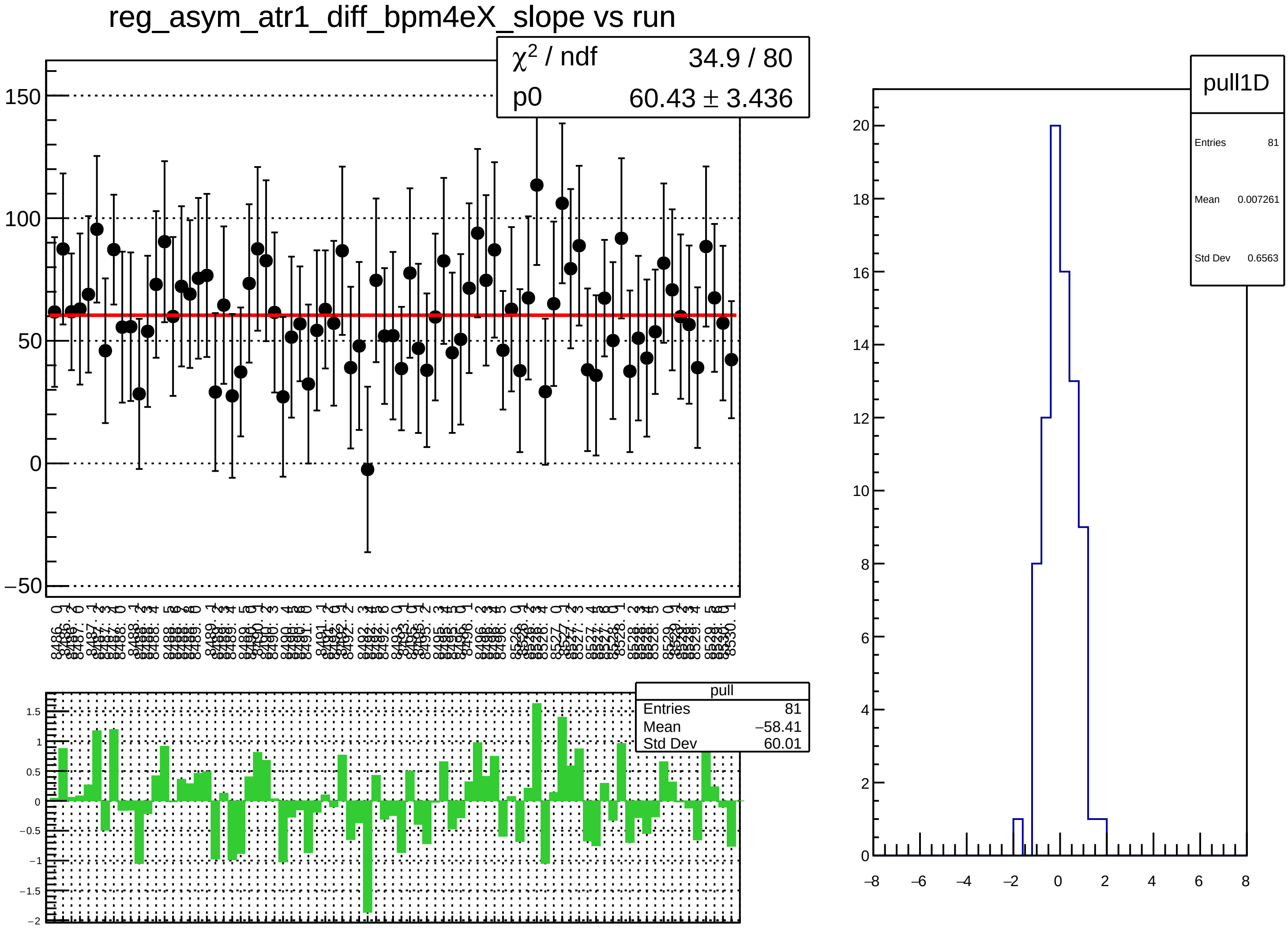
reg_asym_atl2_diff_bpm12X_slope vs run
χ2 / ndf 62.01 / 80
p0 1.292 ± 4.722
pull
Entries 81
Mean 98.86
Std Dev 148.2
pull1D
Entries 81
Mean −0.004102
Std Dev 0.875

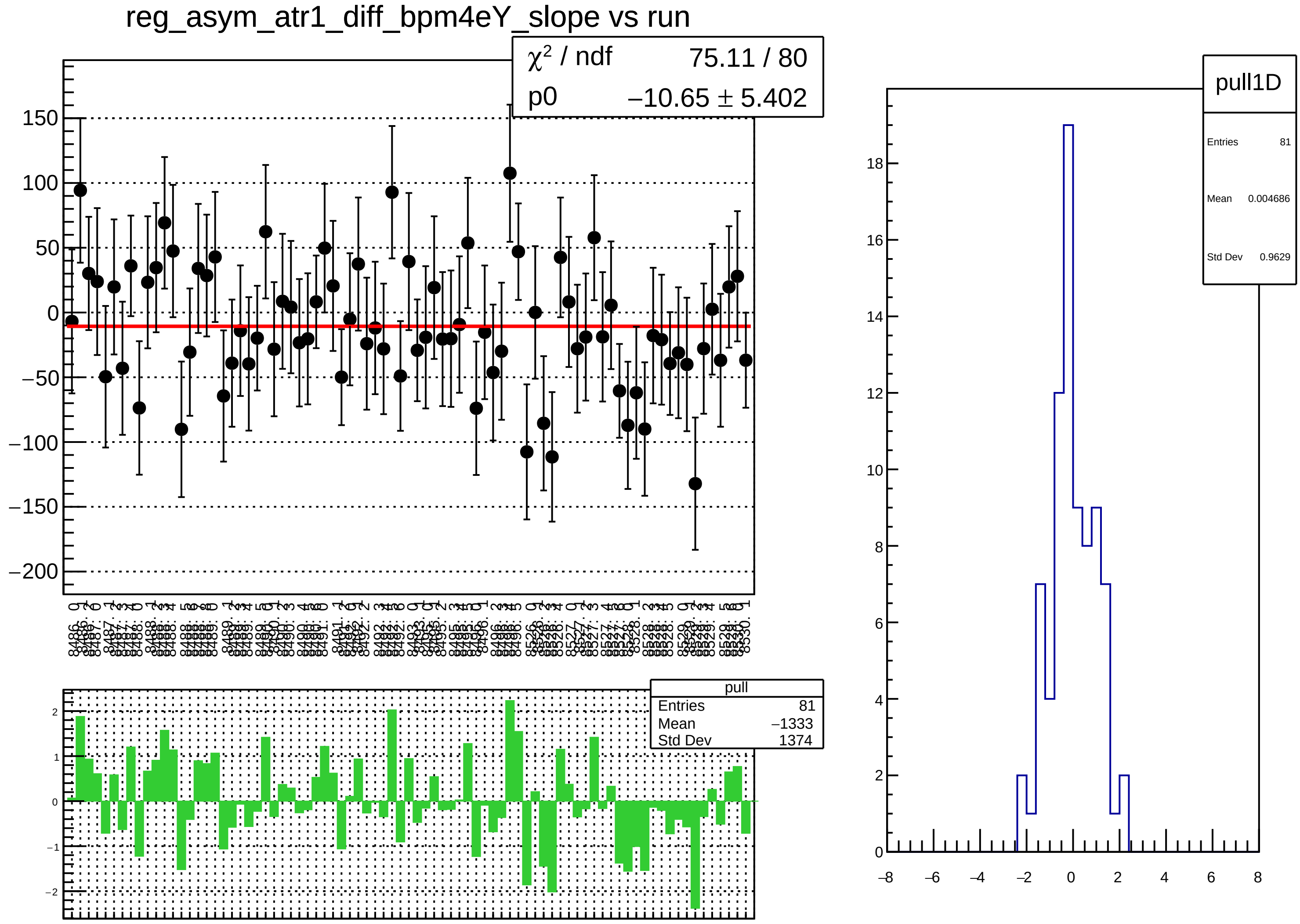


reg_asym_atr1_diff_bpm1X_slope vs run
χ2 / ndf 33.87 / 80
p0 −140.8 ± 3.187
pull
Entries 81
Mean 15.82
Std Dev 91.16
pull1D
Entries 81
Mean −0.007476
Std Dev 0.6466

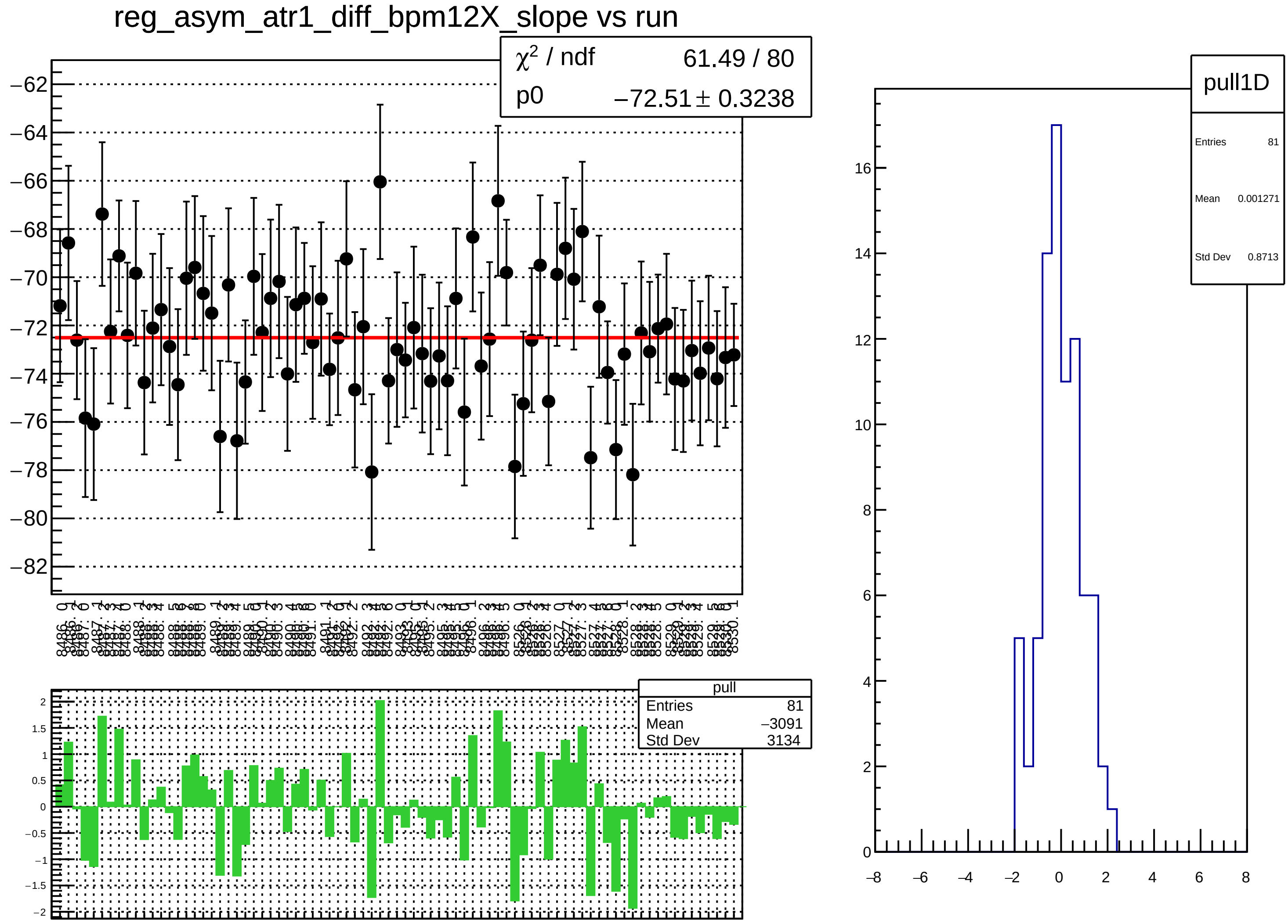
reg_asym_atr1_diff_bpm4aY_slope vs run

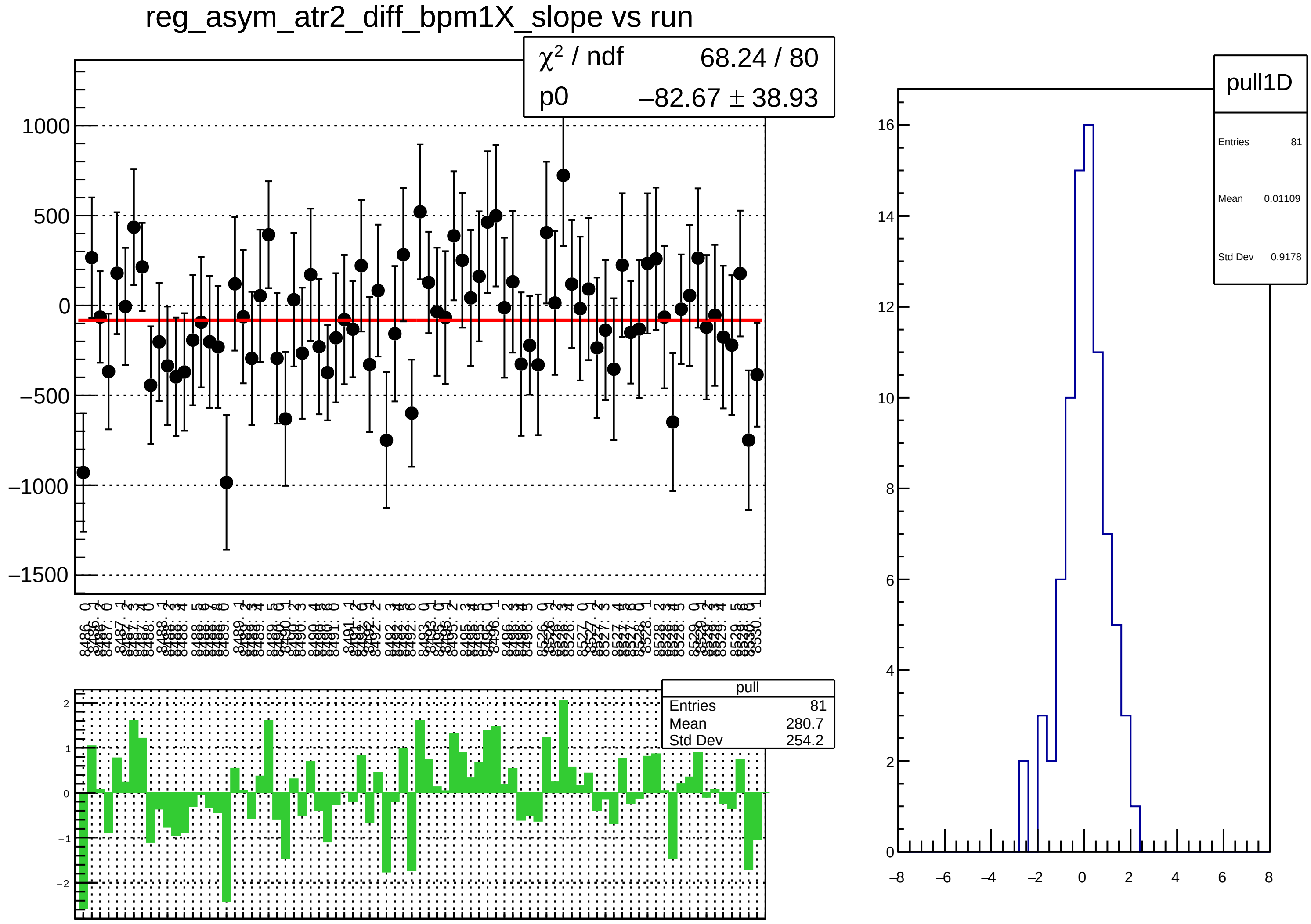



reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 34.9 / 80
p0 60.43 ± 3.436
pull
Entries 81
Mean −58.41
Std Dev 60.01
pull1D
Entries 81
Mean 0.007261
Std Dev 0.6563

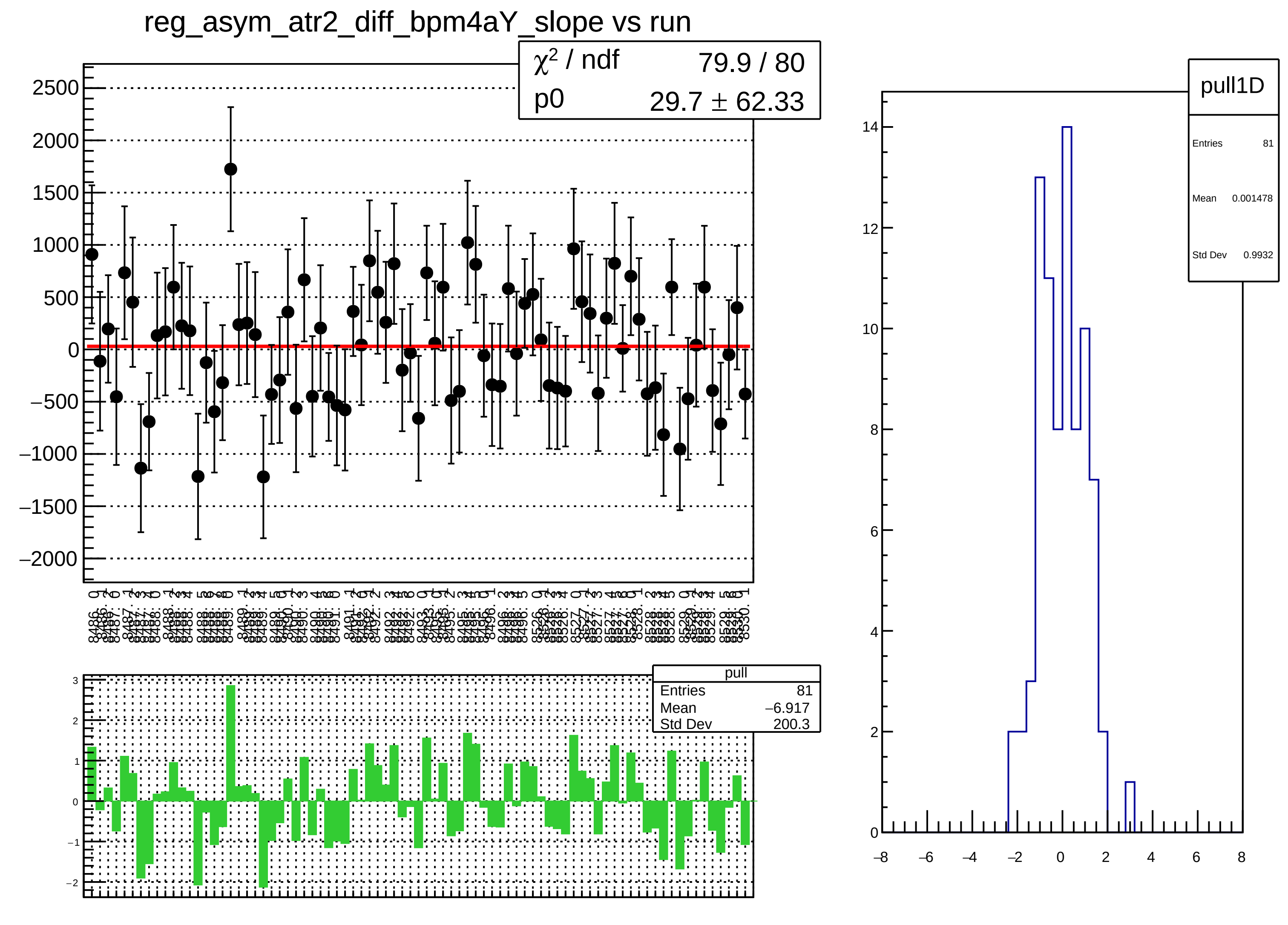


reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 75.11 / 80
p0 −10.65 ± 5.402
pull
Entries 81
Mean −1333
Std Dev 1374
pull1D
Entries 81
Mean 0.004686
Std Dev 0.9629

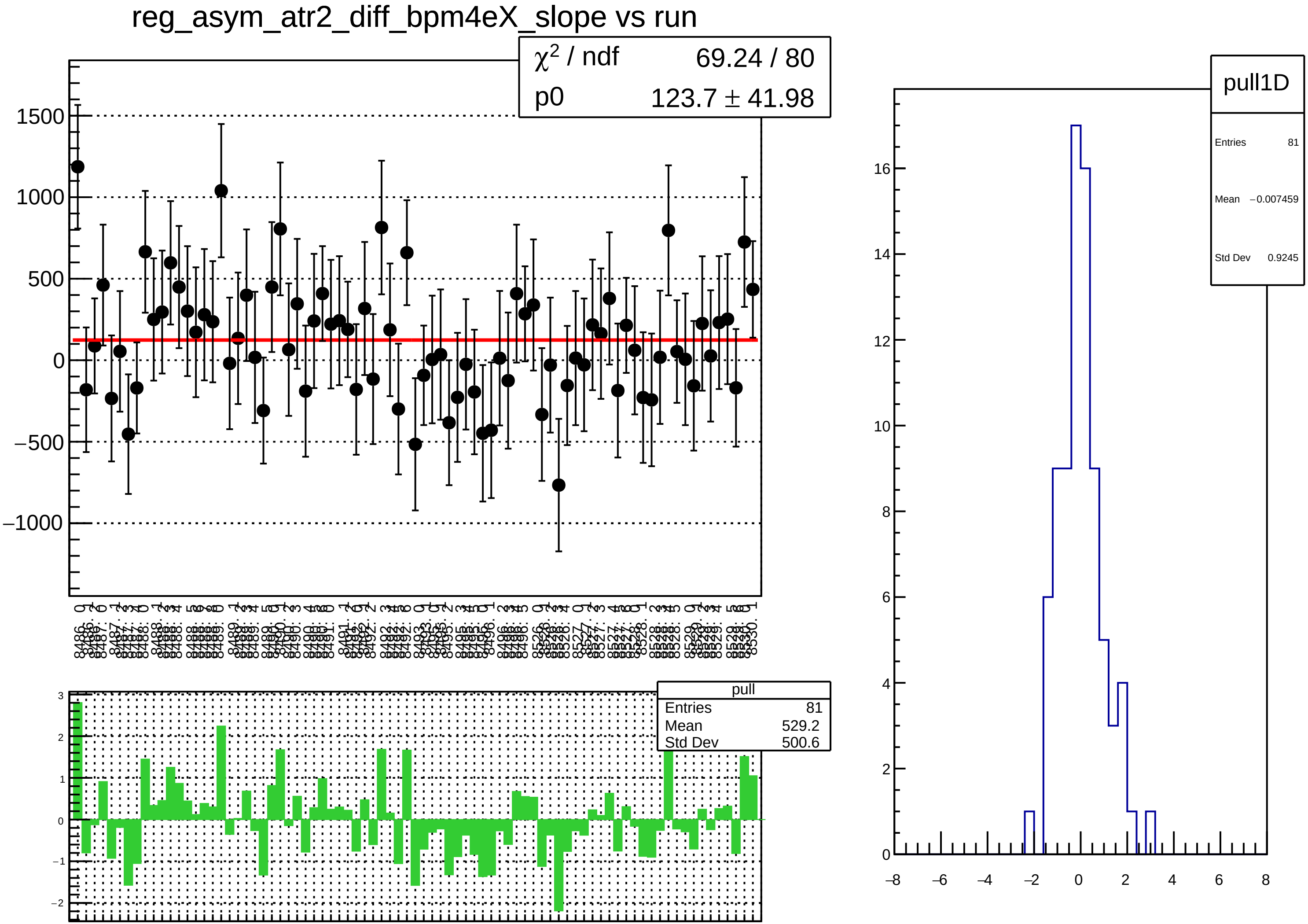

reg_asym_atr1_diff_bpm12X_slope vs run
χ2 / ndf 61.49 / 80
p0 −72.51 ± 0.3238
pull
Entries 81
Mean −3091
Std Dev 3134
pull1D
Entries 81
Mean 0.001271
Std Dev 0.8713



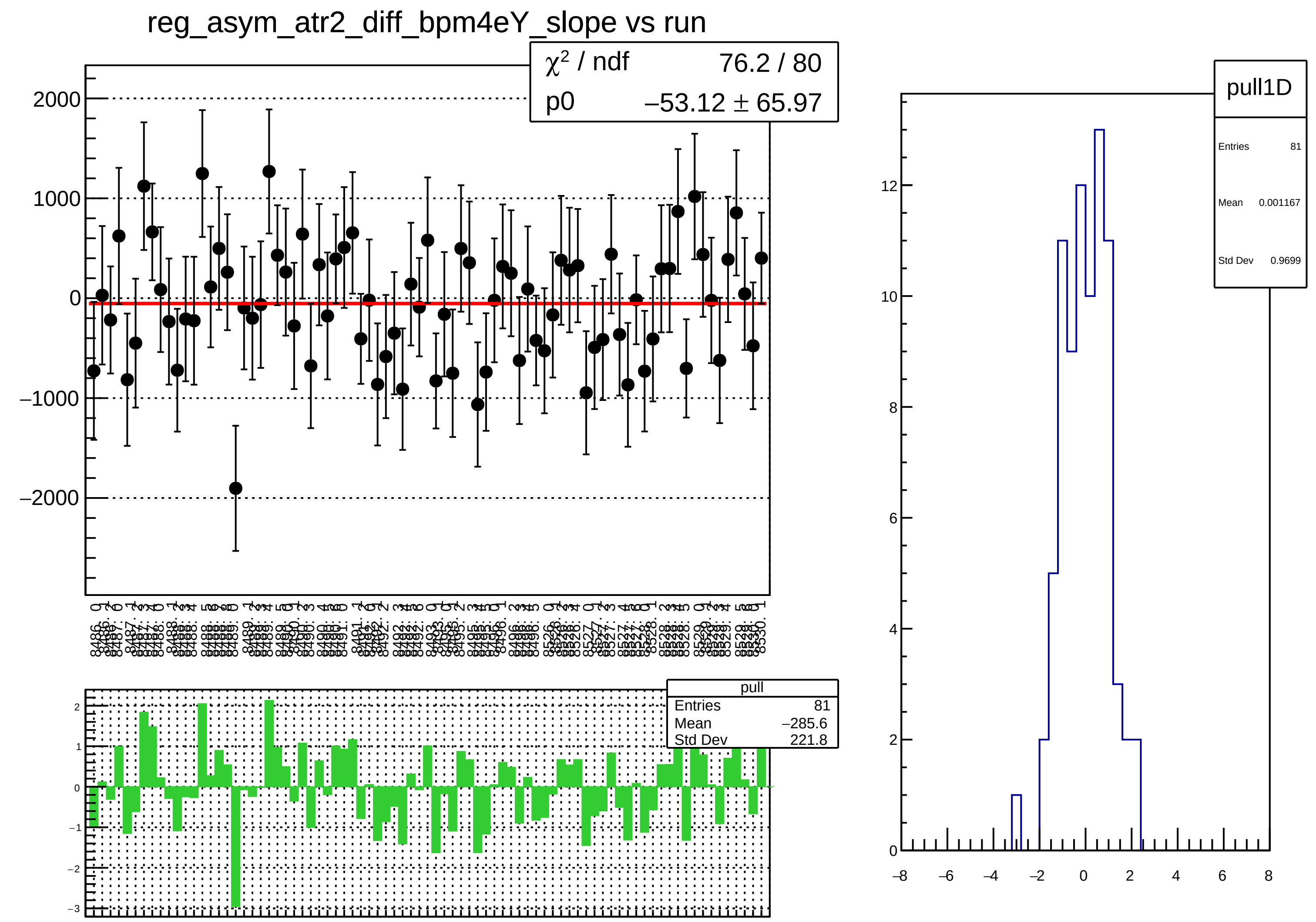
reg_asym_atr2_diff_bpm1X_slope vs run
χ2 / ndf 68.24 / 80
p0 −82.67 ± 38.93
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean 280.7
Std Dev 254.2
pull1D
Entries 81
Mean 0.01109
Std Dev 0.9178



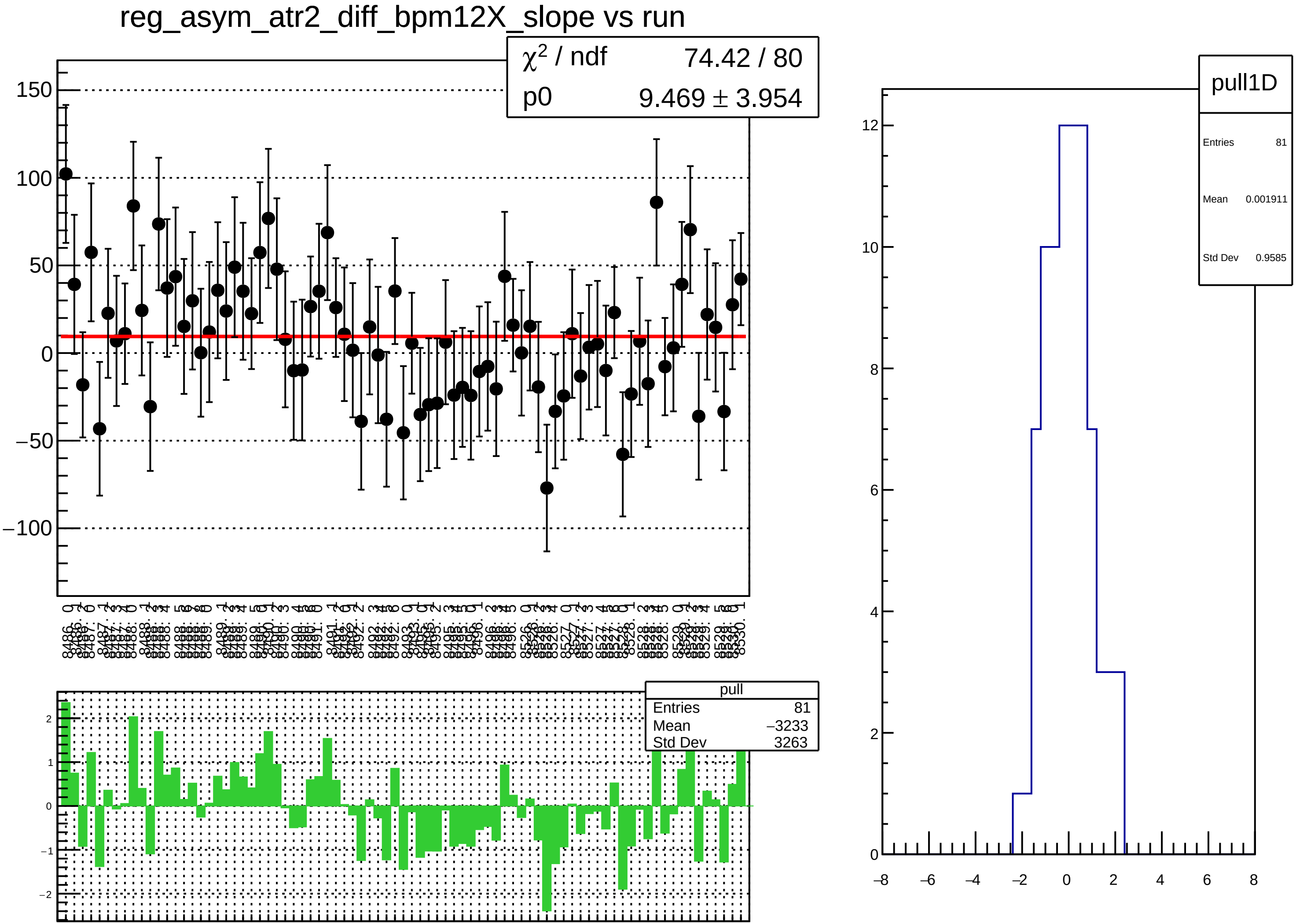
reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 79.9 / 80
p0 29.7 ± 62.33
pull
Entries 81
Mean −6.917
Std Dev 200.3
pull1D
Entries 81
Mean 0.001478
Std Dev 0.9932



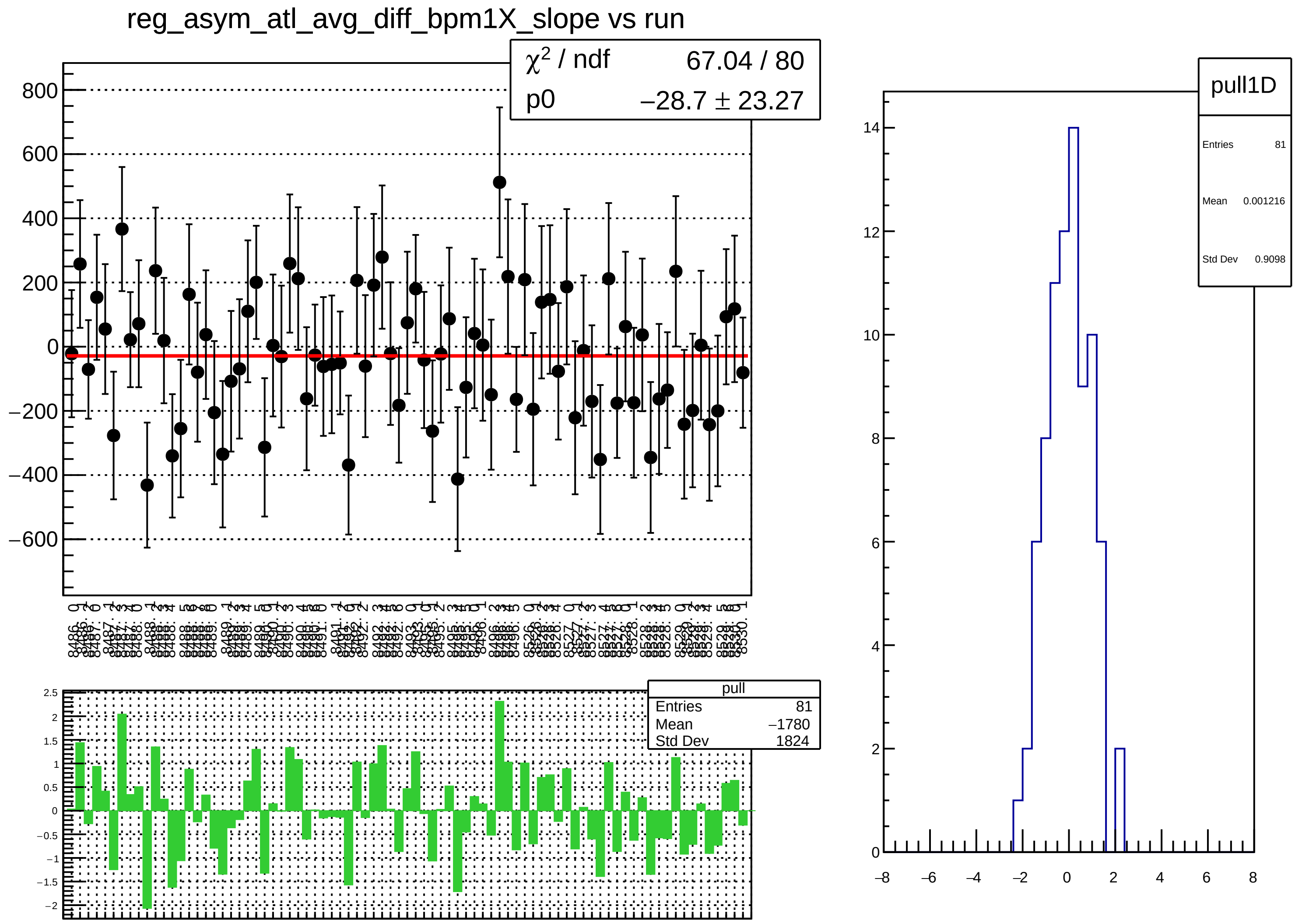
reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 69.24 / 80
p0 123.7 ± 41.98
pull
Entries 81
Mean 529.2
Std Dev 500.6
pull1D
Entries 81
Mean −0.007459
Std Dev 0.9245



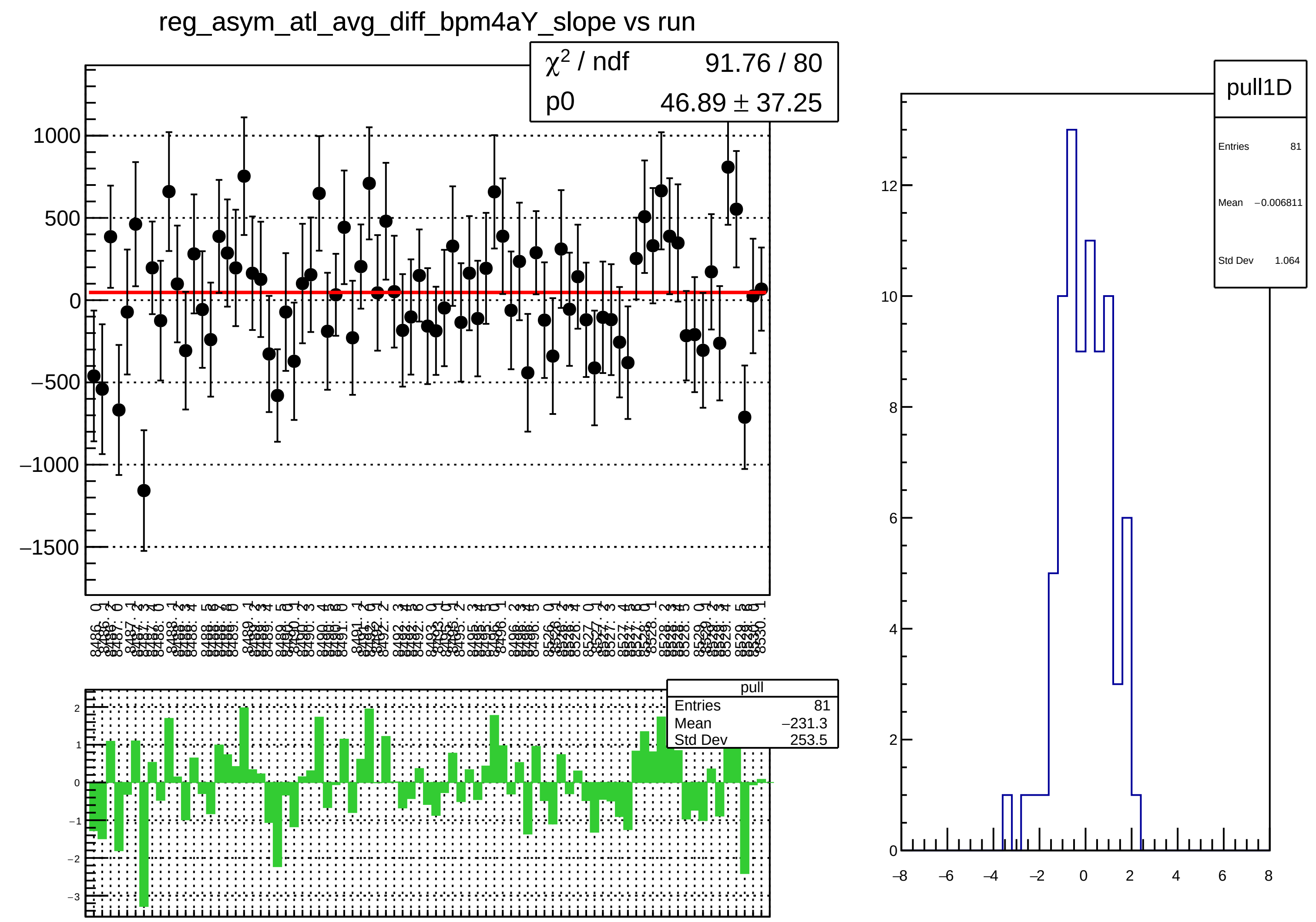
reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 76.2 / 80
p0 −53.12 ± 65.97
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −285.6
Std Dev 221.8
pull1D
Entries 81
Mean 0.001167
Std Dev 0.9699

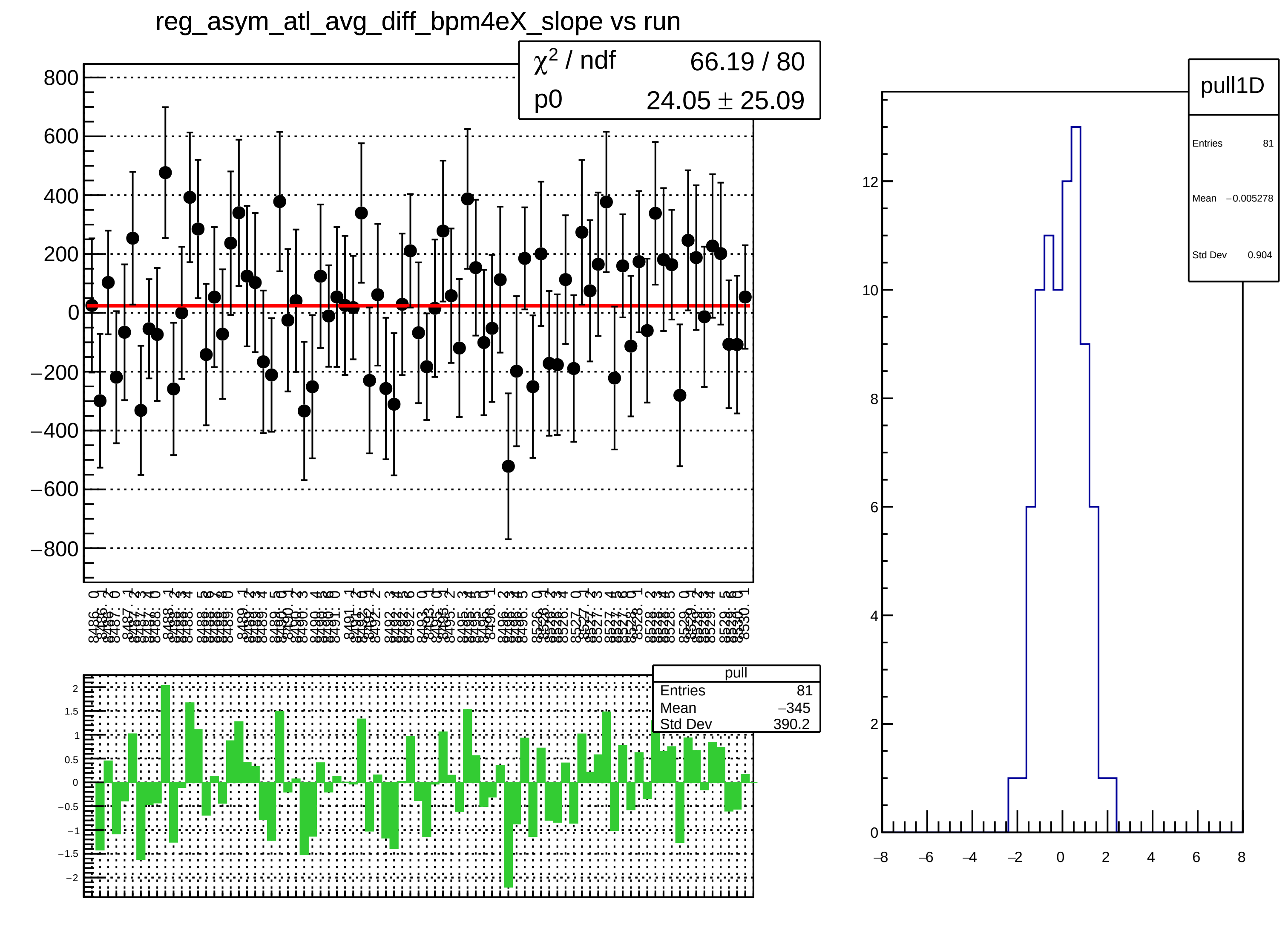


reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 74.42 / 80
p0 9.469 ± 3.954
pull
Entries 81
Mean −3233
Std Dev 3263
pull1D
Entries 81
Mean 0.001911
Std Dev 0.9585

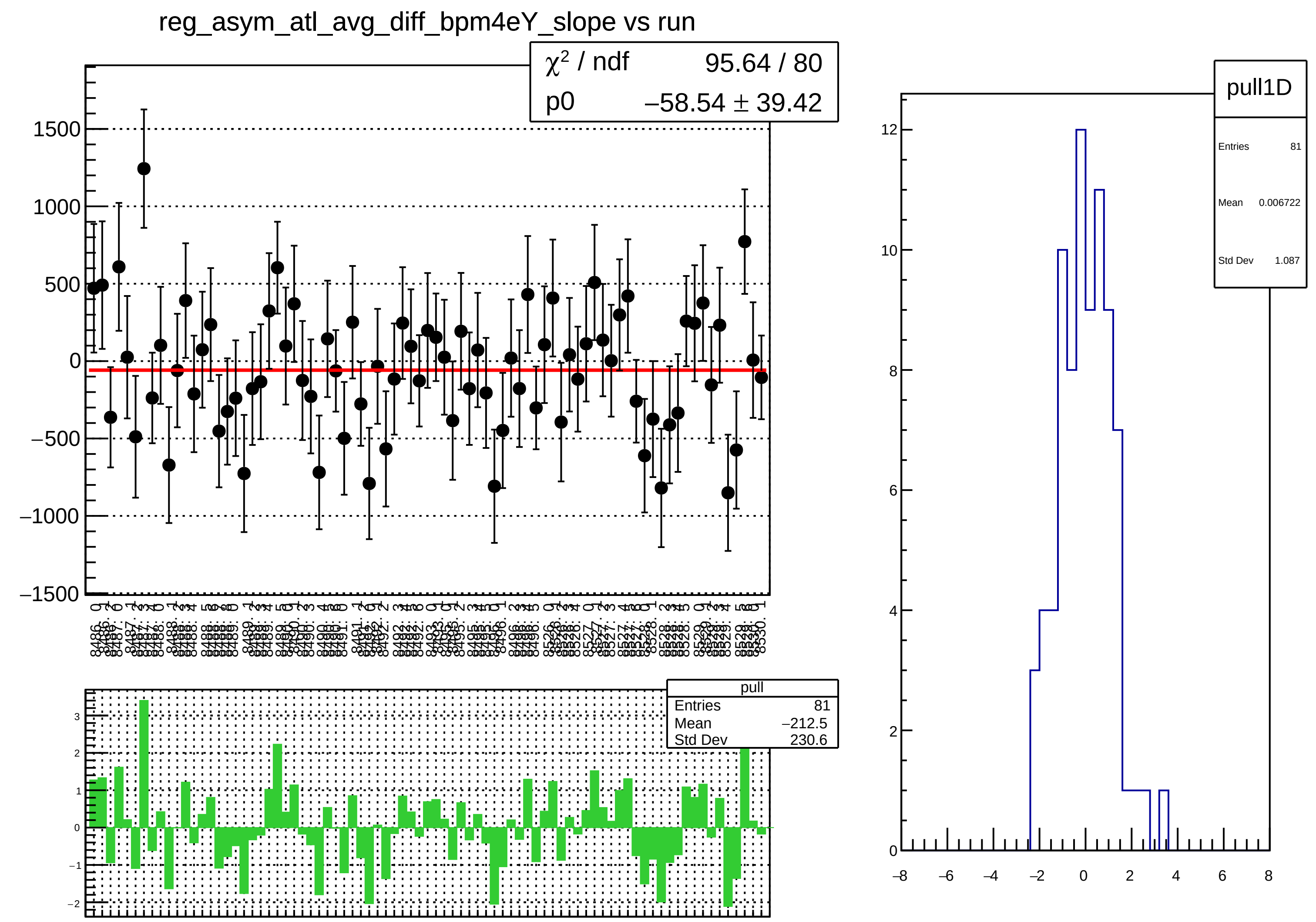


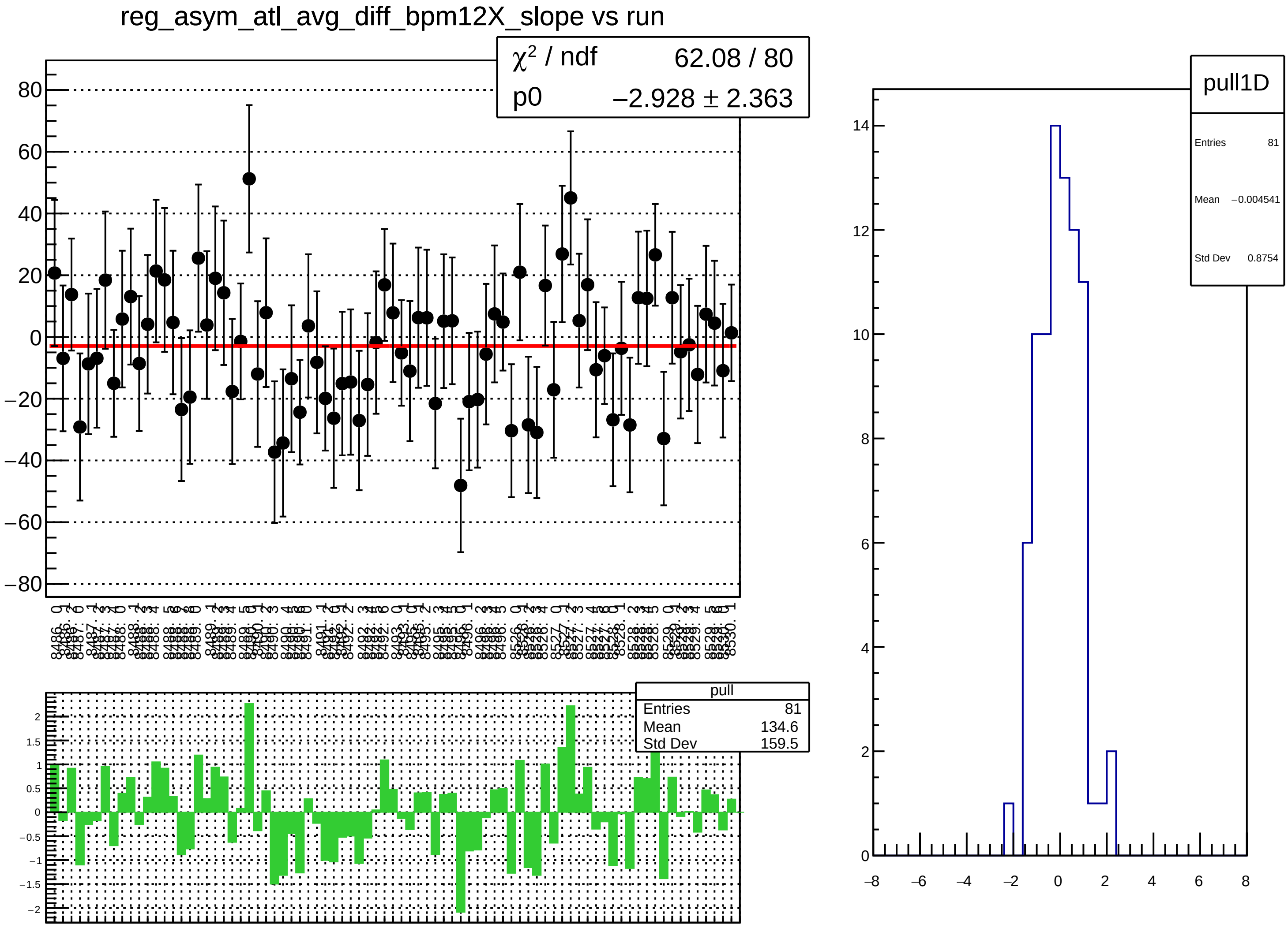
reg_asym_atl_avg_diff_bpm1X_slope vs run
χ2 / ndf 67.04 / 80
p0 −28.7 ± 23.27
pull
Entries 81
Mean −1780
Std Dev 1824
pull1D
Entries 81
Mean 0.001216
Std Dev 0.9098

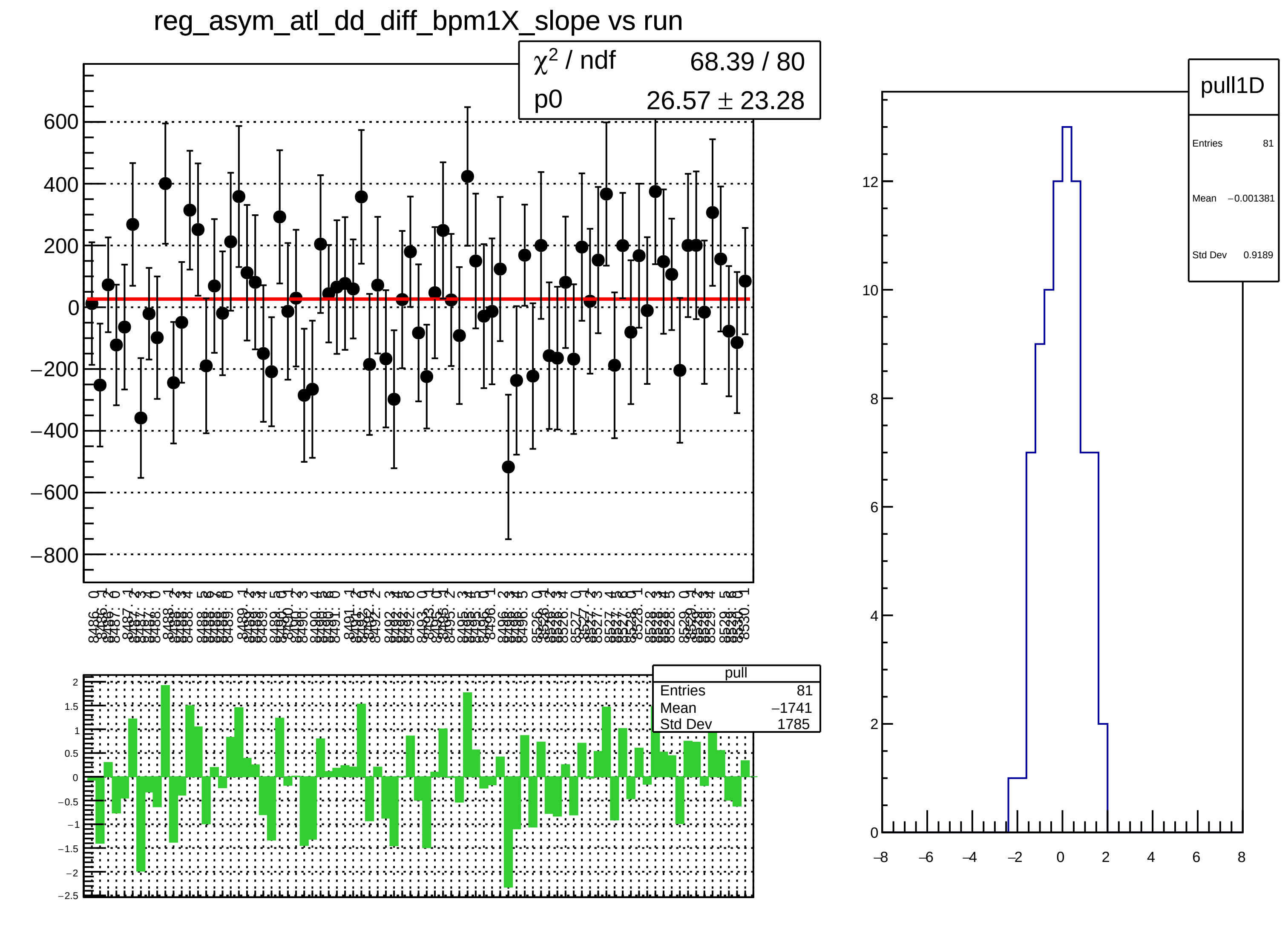

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 91.76 / 80
p0 46.89 ± 37.25
pull
Entries 81
Mean −231.3
Std Dev 253.5
pull1D
Entries 81
Mean −0.006811
Std Dev 1.064



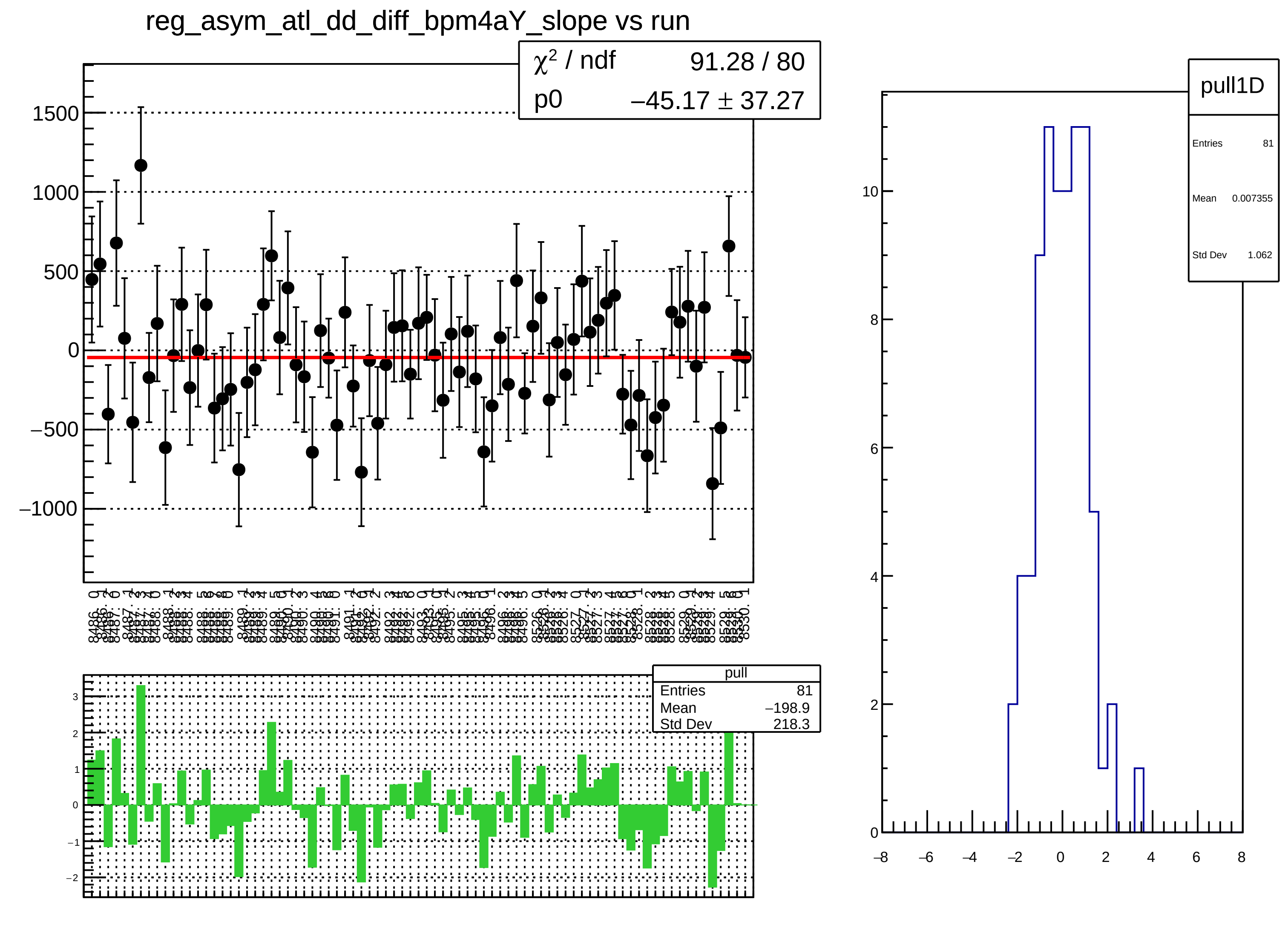
reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 66.19 / 80
p0 24.05 ± 25.09
pull
Entries 81
Mean −345
Std Dev 390.2
pull1D
Entries 81
Mean −0.005278
Std Dev 0.904


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 95.64 / 80
p0 −58.54 ± 39.42
pull
Entries 81
Mean −212.5
Std Dev 230.6
pull1D
Entries 81
Mean 0.006722
Std Dev 1.087

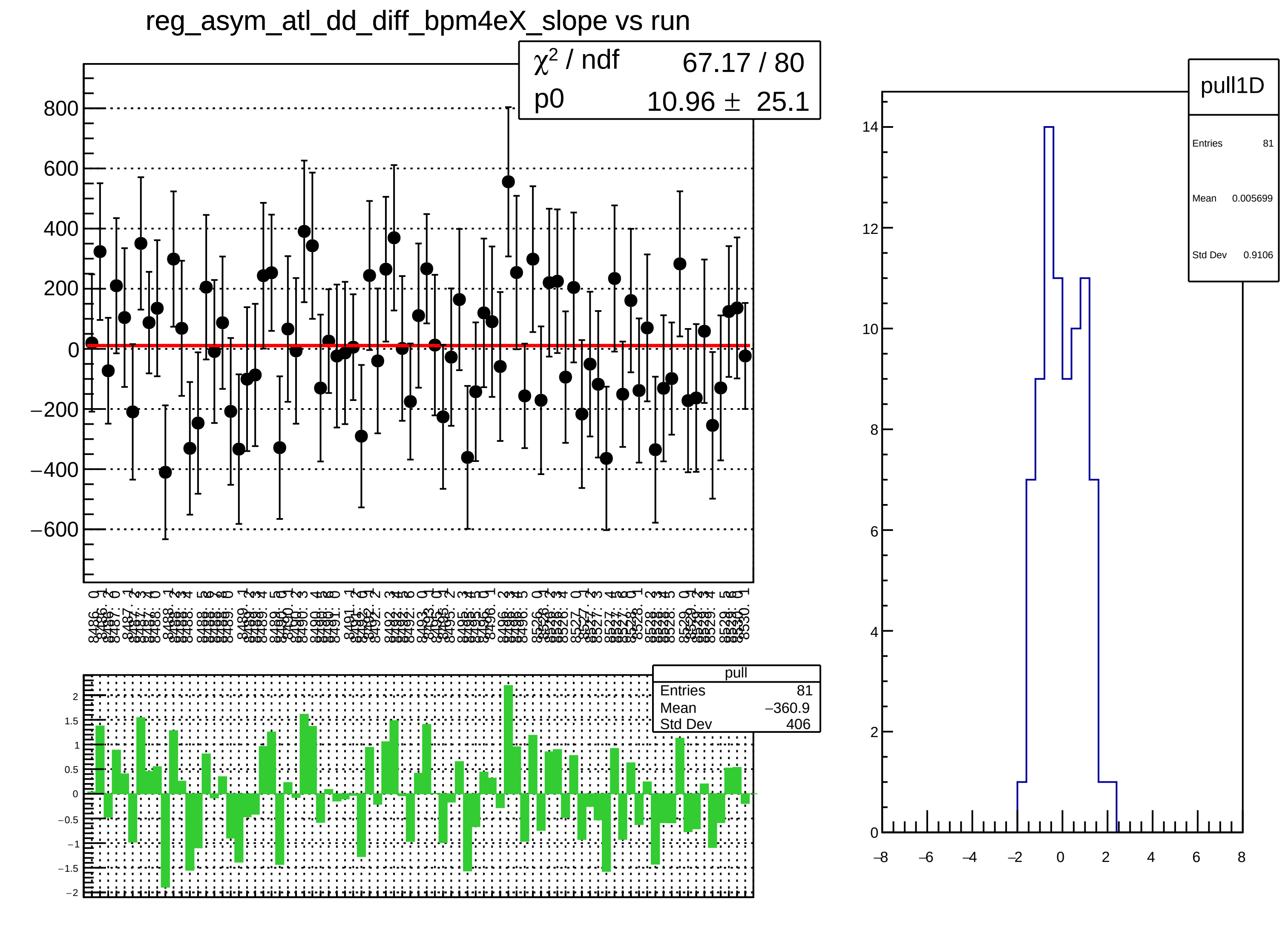

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ2 / ndf 62.08 / 80
p0 −2.928 ± 2.363
pull
Entries 81
Mean 134.6
Std Dev 159.5
pull1D
Entries 81
Mean −0.004541
Std Dev 0.8754



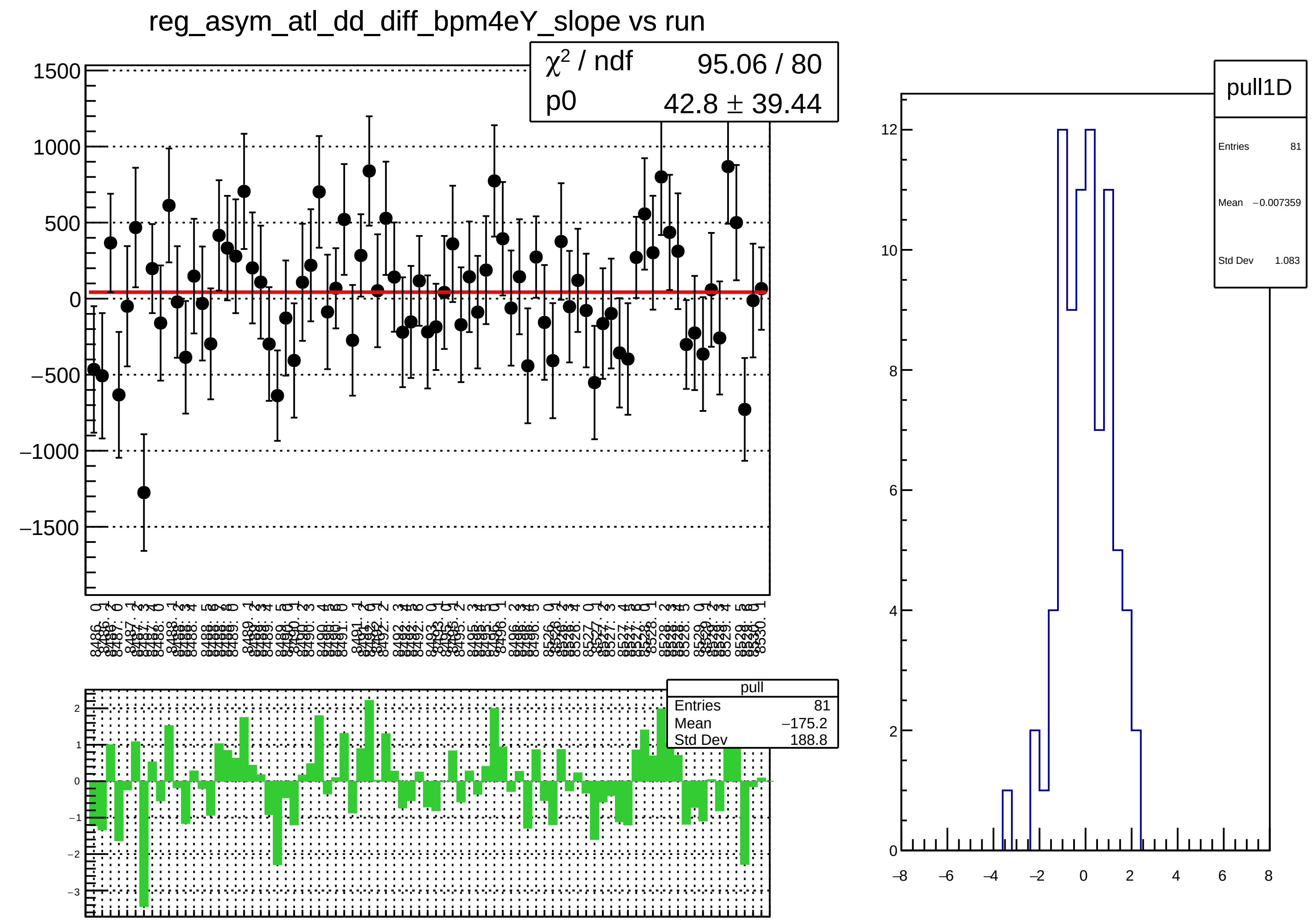
reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 68.39 / 80
p0 26.57 ± 23.28
pull
Entries 81
Mean −1741
Std Dev 1785
pull1D
Entries 81
Mean −0.001381
Std Dev 0.9189



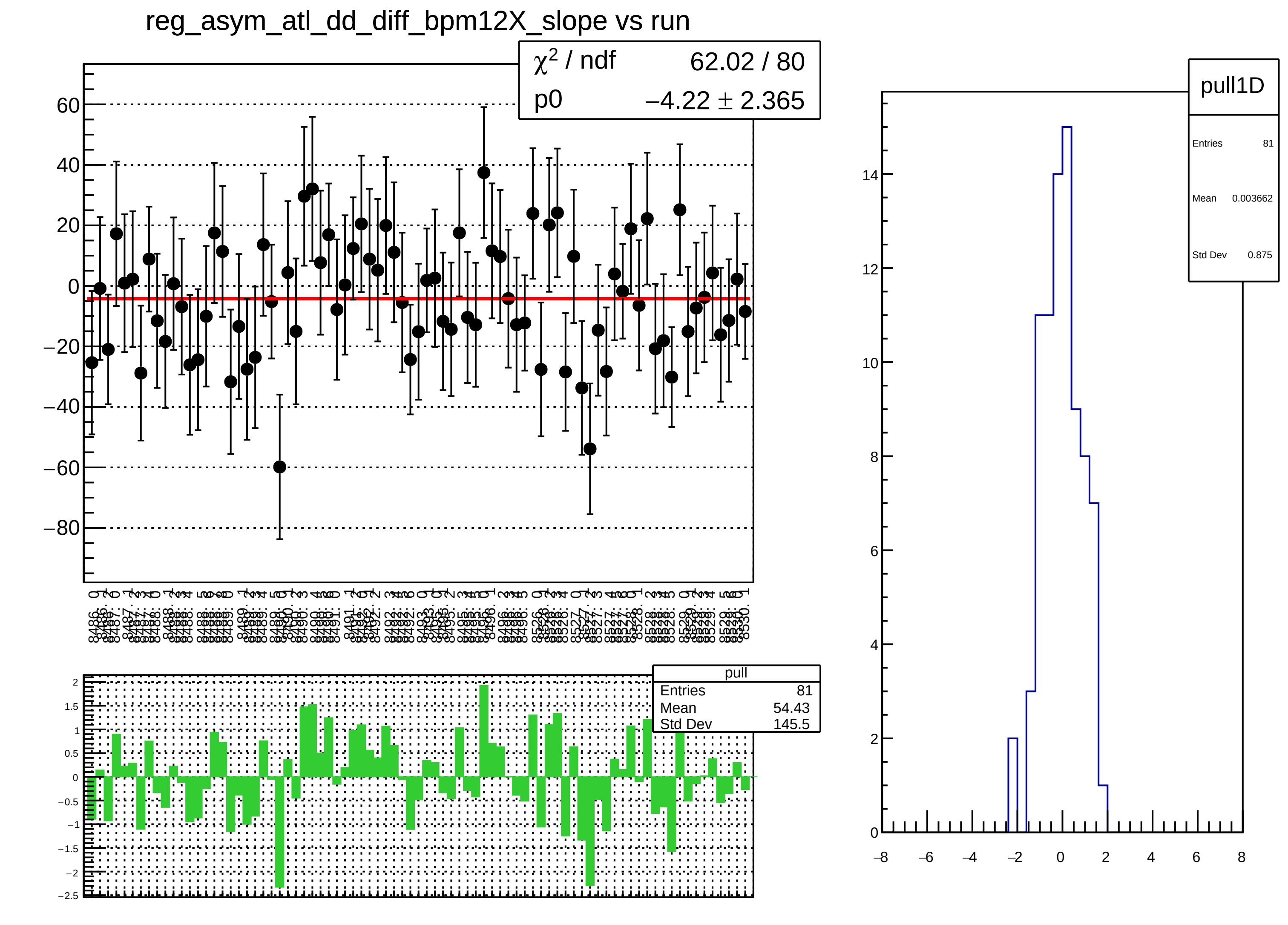
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ2 / ndf 91.28 / 80
p0 −45.17 ± 37.27
pull
Entries 81
Mean −198.9
Std Dev 218.3
pull1D
Entries 81
Mean 0.007355
Std Dev 1.062



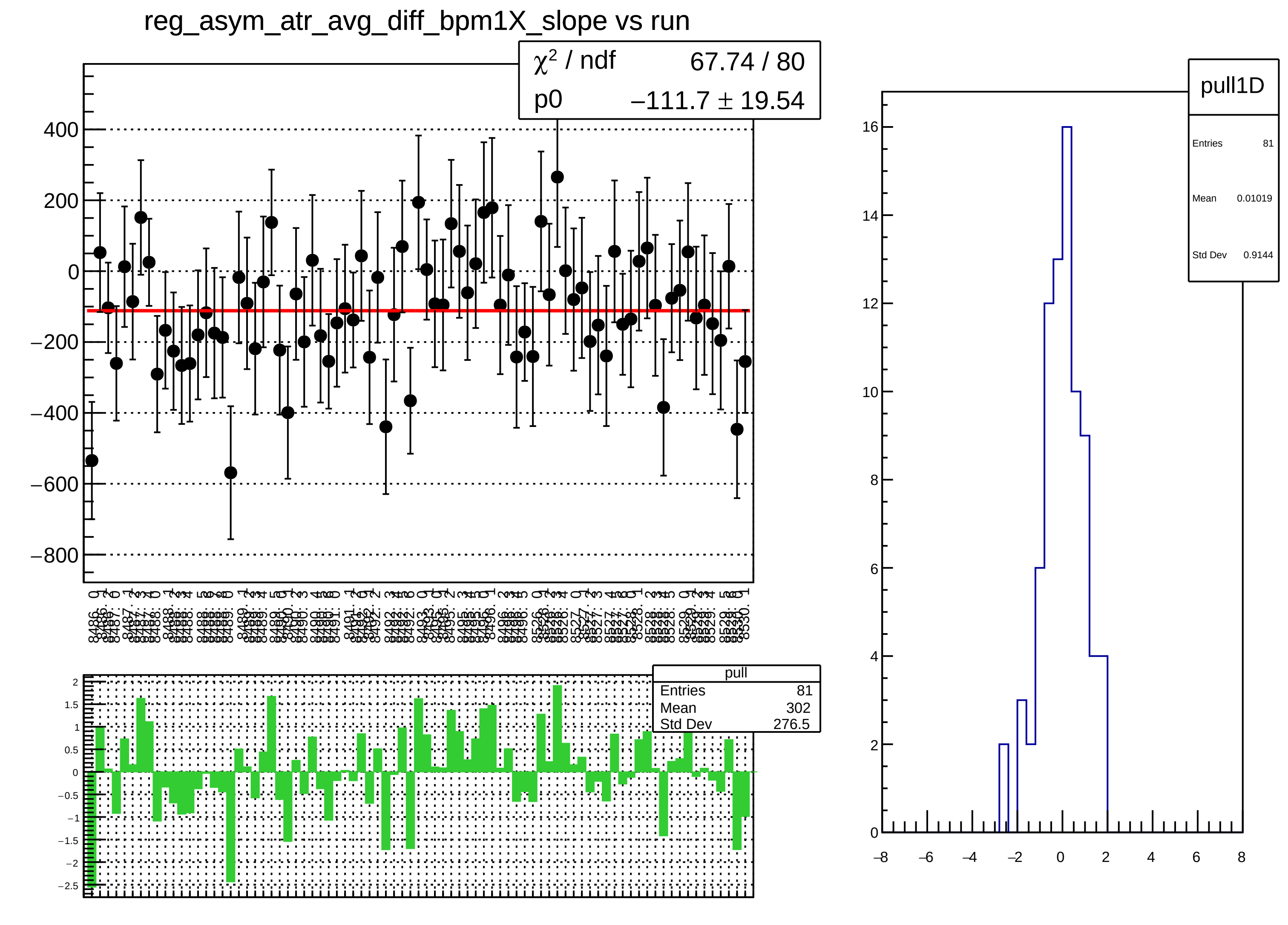
reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 67.17 / 80
p0 10.96 ± 25.1
pull
Entries 81
Mean −360.9
Std Dev 406
pull1D
Entries 81
Mean 0.005699
Std Dev 0.9106



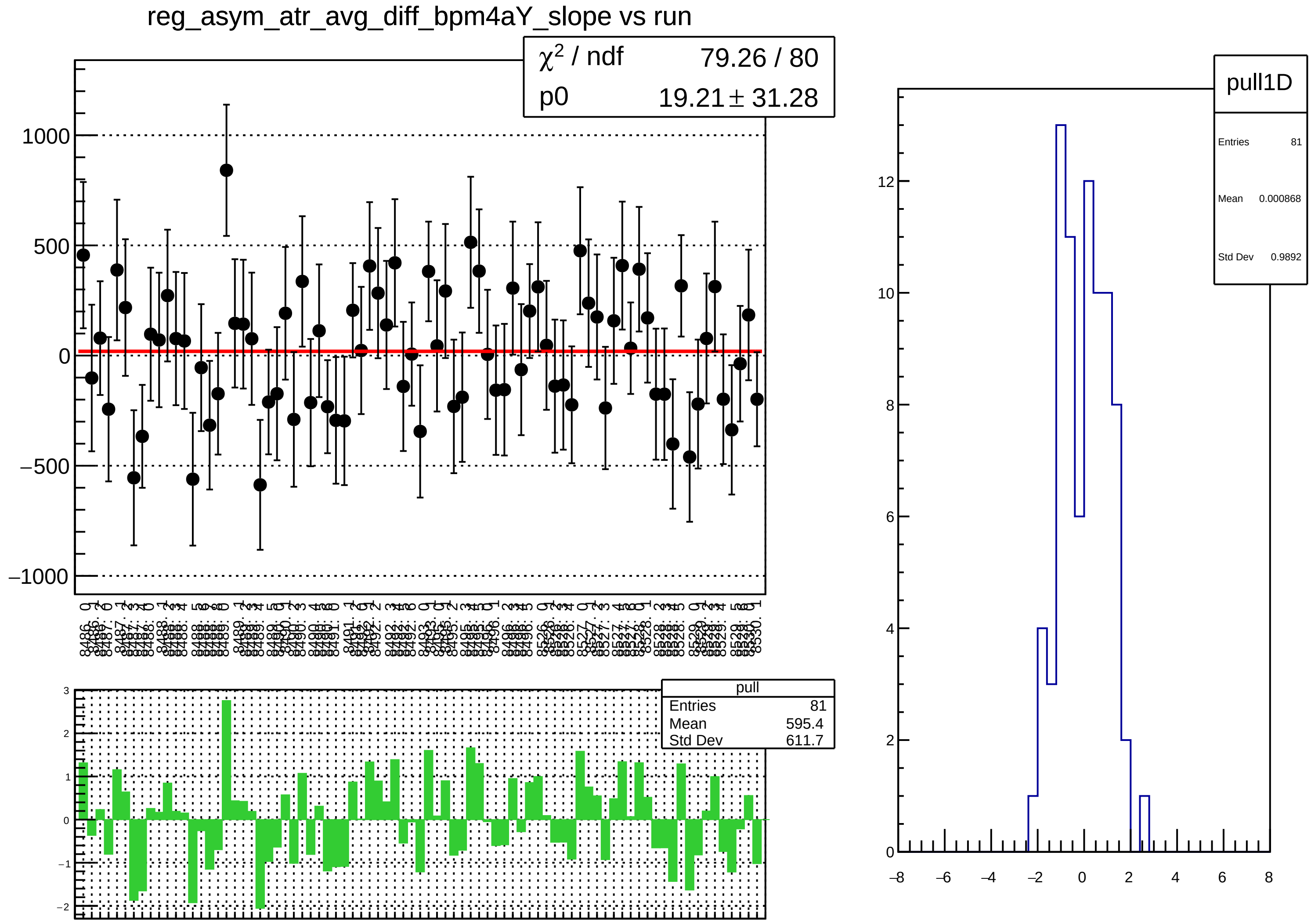
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 95.06 / 80
p0 42.8 ± 39.44
pull
Entries 81
Mean −175.2
Std Dev 188.8
pull1D
Entries 81
Mean −0.007359
Std Dev 1.083



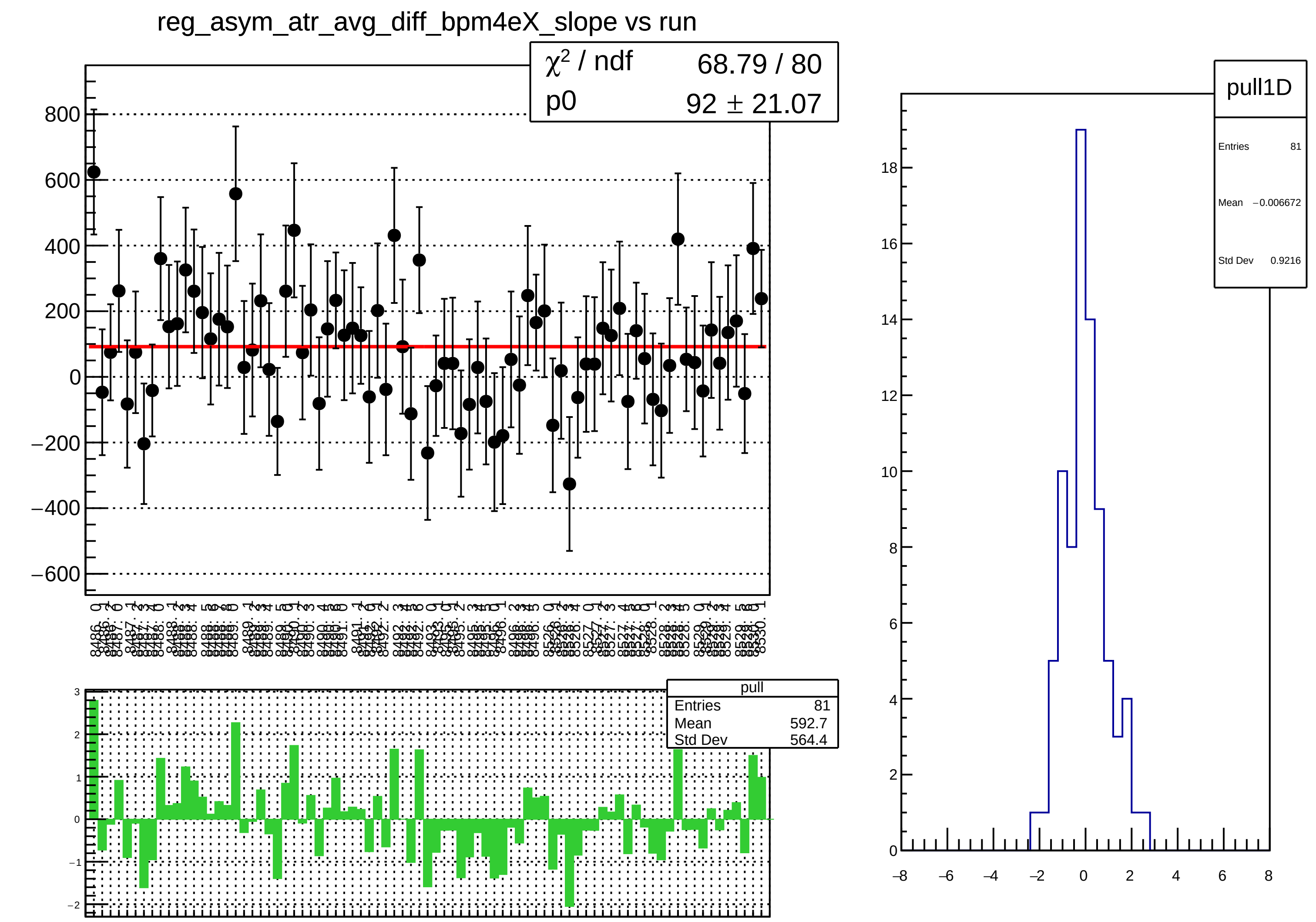
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.02 / 80
p0 −4.22 ± 2.365
pull
Entries 81
Mean 54.43
Std Dev 145.5
pull1D
Entries 81
Mean 0.003662
Std Dev 0.875



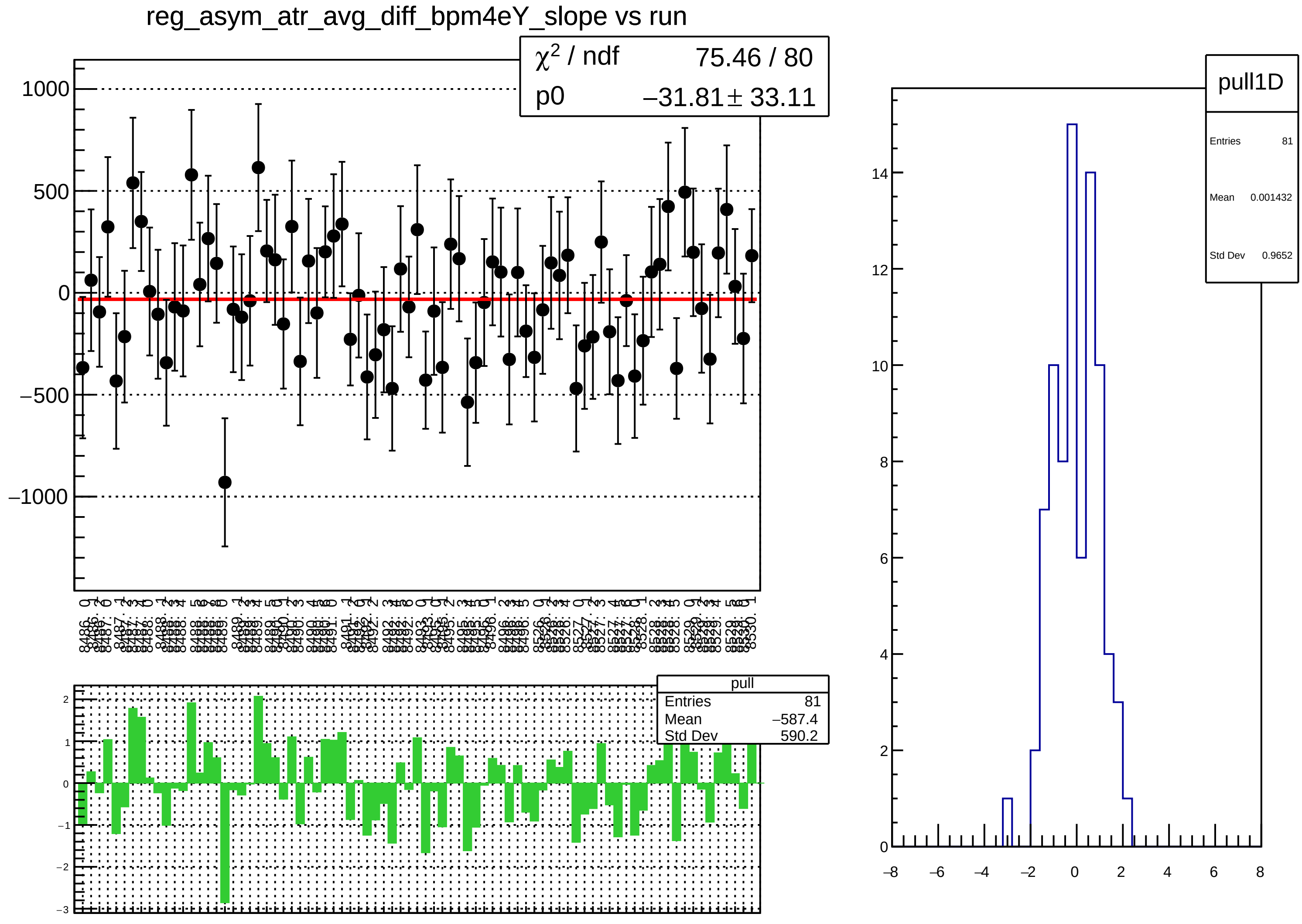
reg_asym_atr_avg_diff_bpm1X_slope vs run
χ2 / ndf 67.74 / 80
p0 −111.7 ± 19.54
pull
Entries 81
Mean 302
Std Dev 276.5
pull1D
Entries 81
Mean 0.01019
Std Dev 0.9144



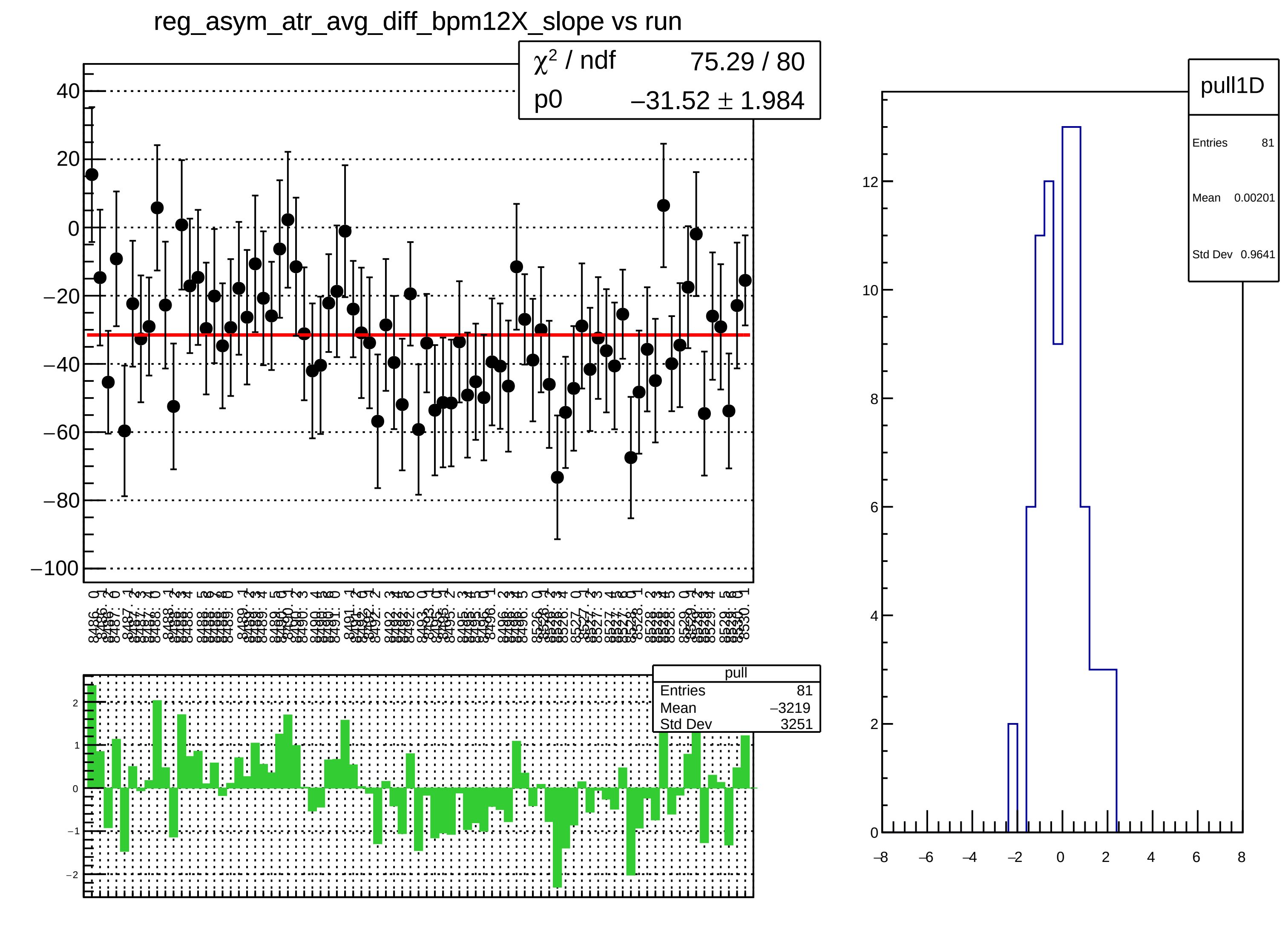
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 79.26 / 80
p0 19.21 ± 31.28
pull
Entries 81
Mean 595.4
Std Dev 611.7
pull1D
Entries 81
Mean 0.000868
Std Dev 0.9892



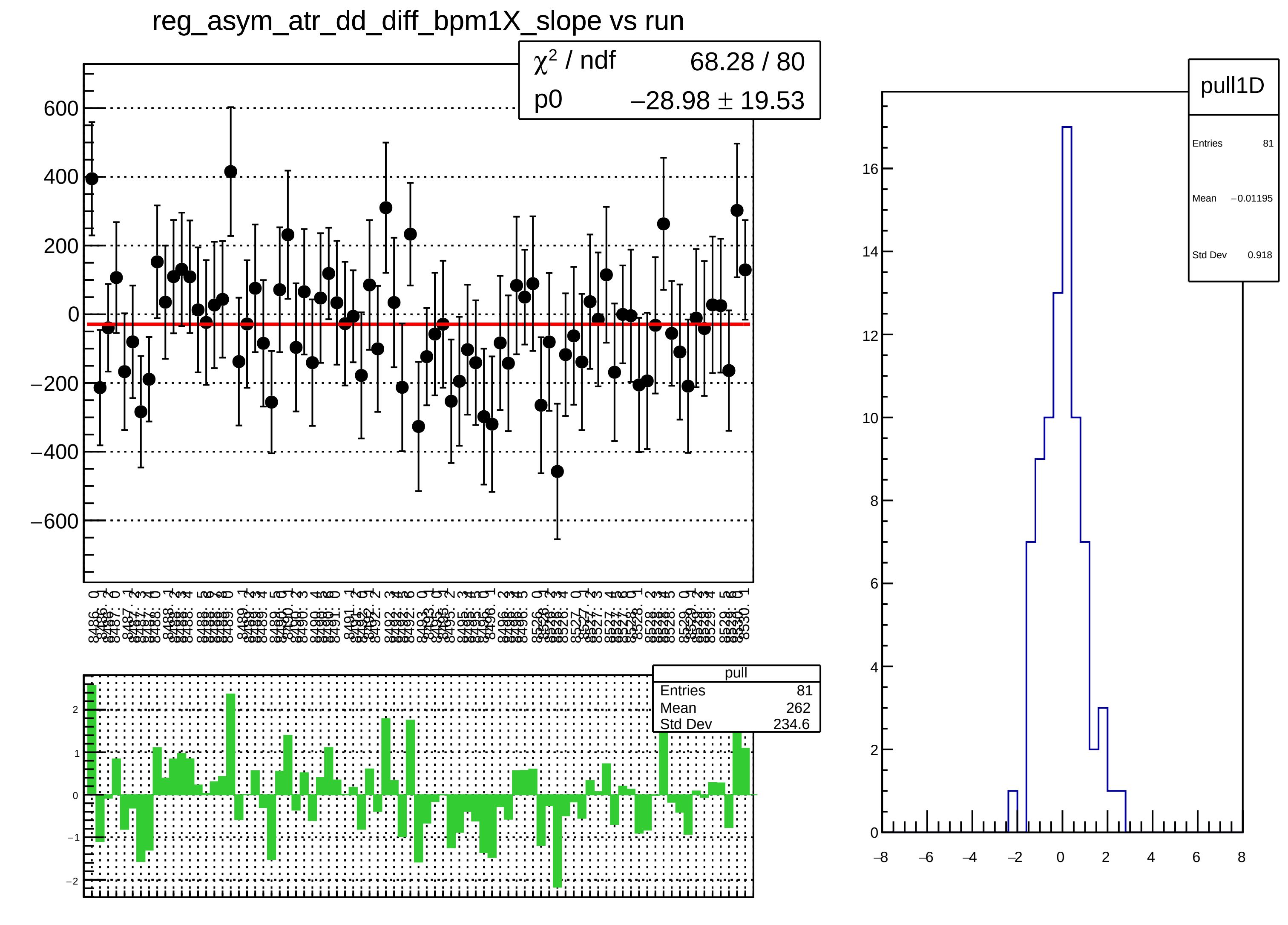
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 68.79 / 80
p0 92 ± 21.07
pull
Entries 81
Mean 592.7
Std Dev 564.4
pull1D
Entries 81
Mean −0.006672
Std Dev 0.9216



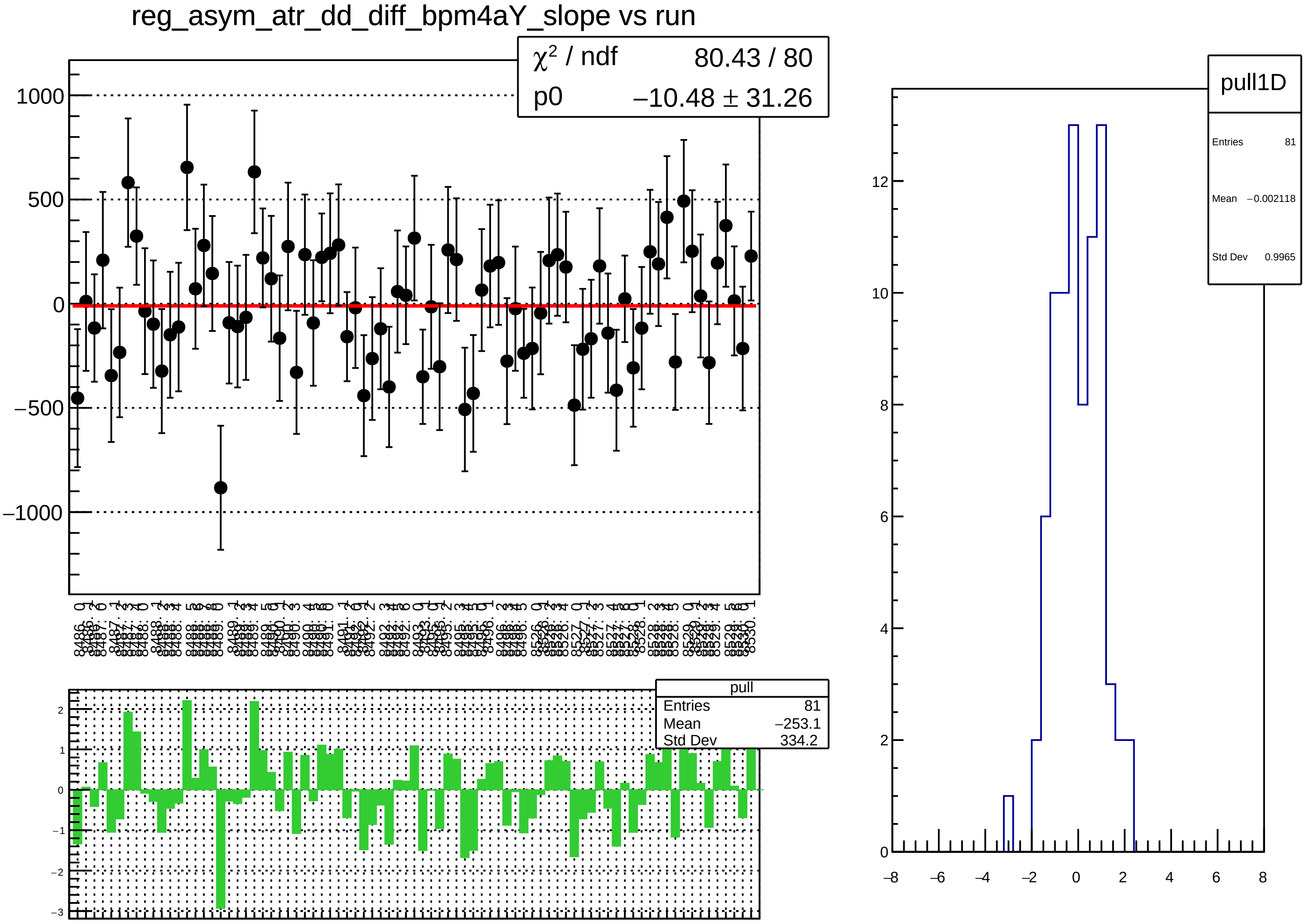
reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 75.46 / 80
p0 −31.81 ± 33.11
1000
500
0
−500
−1000
pull
Entries 81
Mean −587.4
Std Dev 590.2
pull1D
Entries 81
Mean 0.001432
Std Dev 0.9652

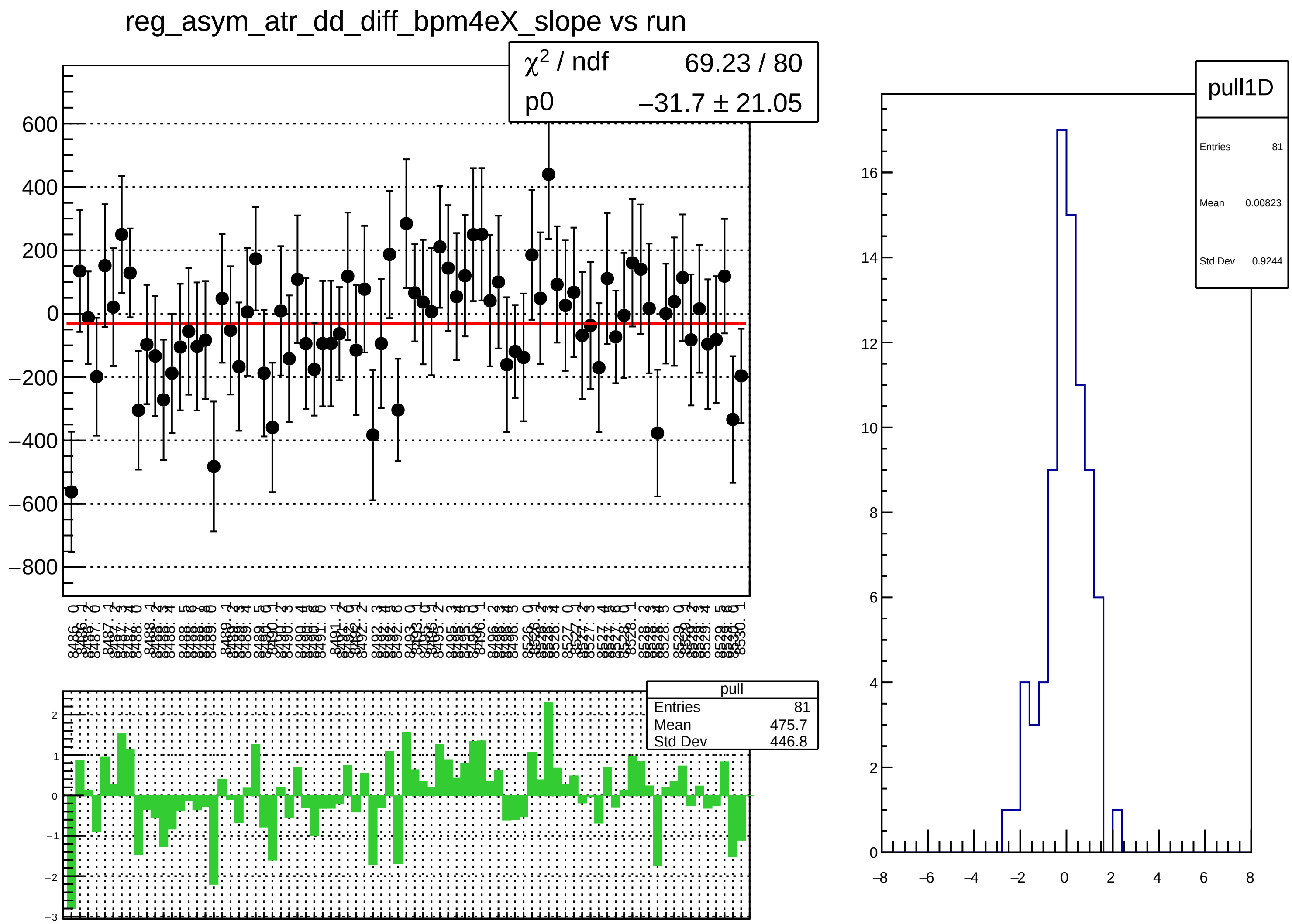


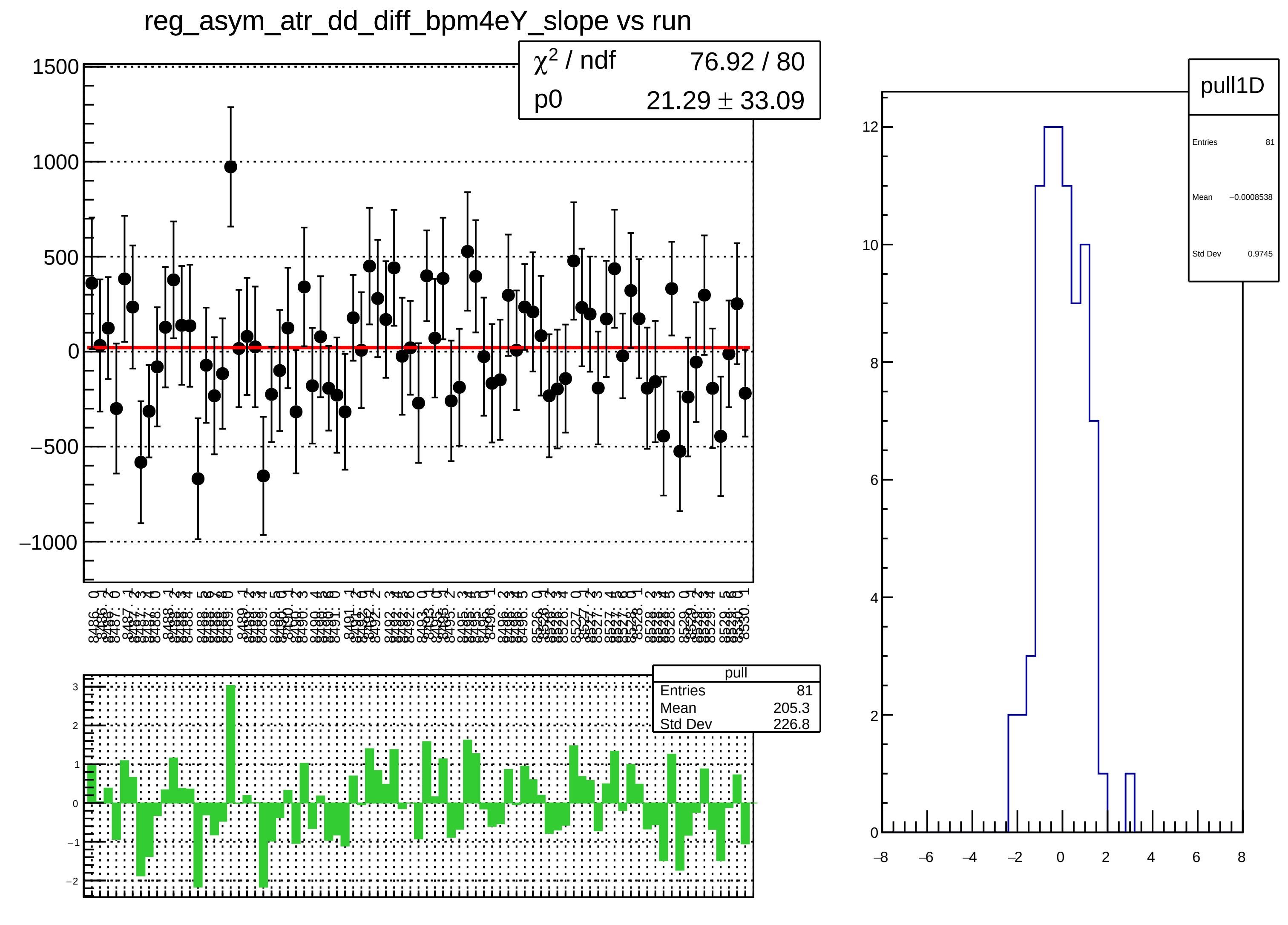
reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 75.29 / 80
p0 −31.52 ± 1.984
pull
Entries 81
Mean −3219
Std Dev 3251
pull1D
Entries 81
Mean 0.00201
Std Dev 0.9641



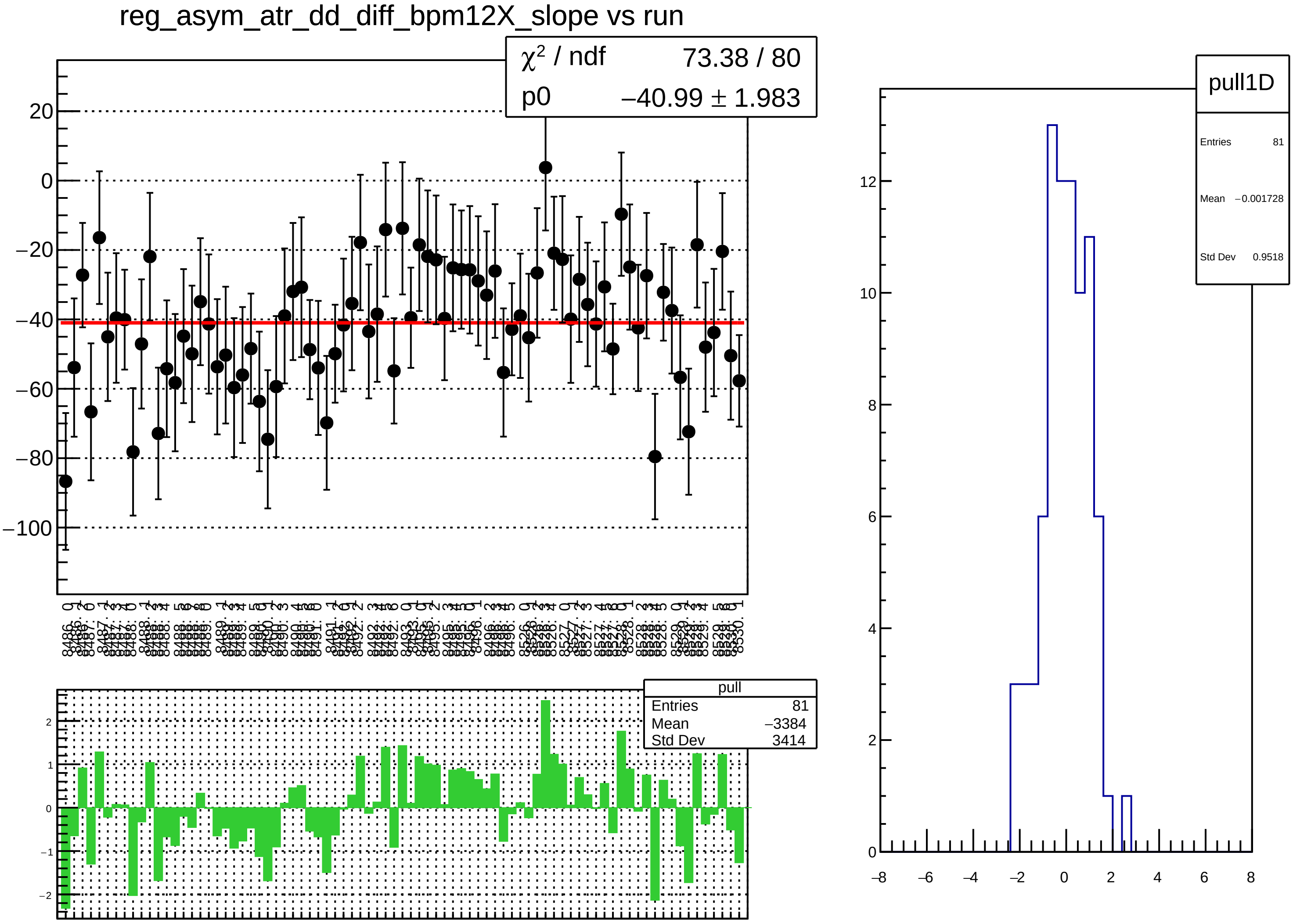
reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 68.28 / 80
p0 −28.98 ± 19.53
pull
Entries 81
Mean 262
Std Dev 234.6
pull1D
Entries 81
Mean −0.01195
Std Dev 0.918


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 80.43 / 80
p0 −10.48 ± 31.26
pull
Entries 81
Mean −253.1
Std Dev 334.2
pull1D
Entries 81
Mean −0.002118
Std Dev 0.9965

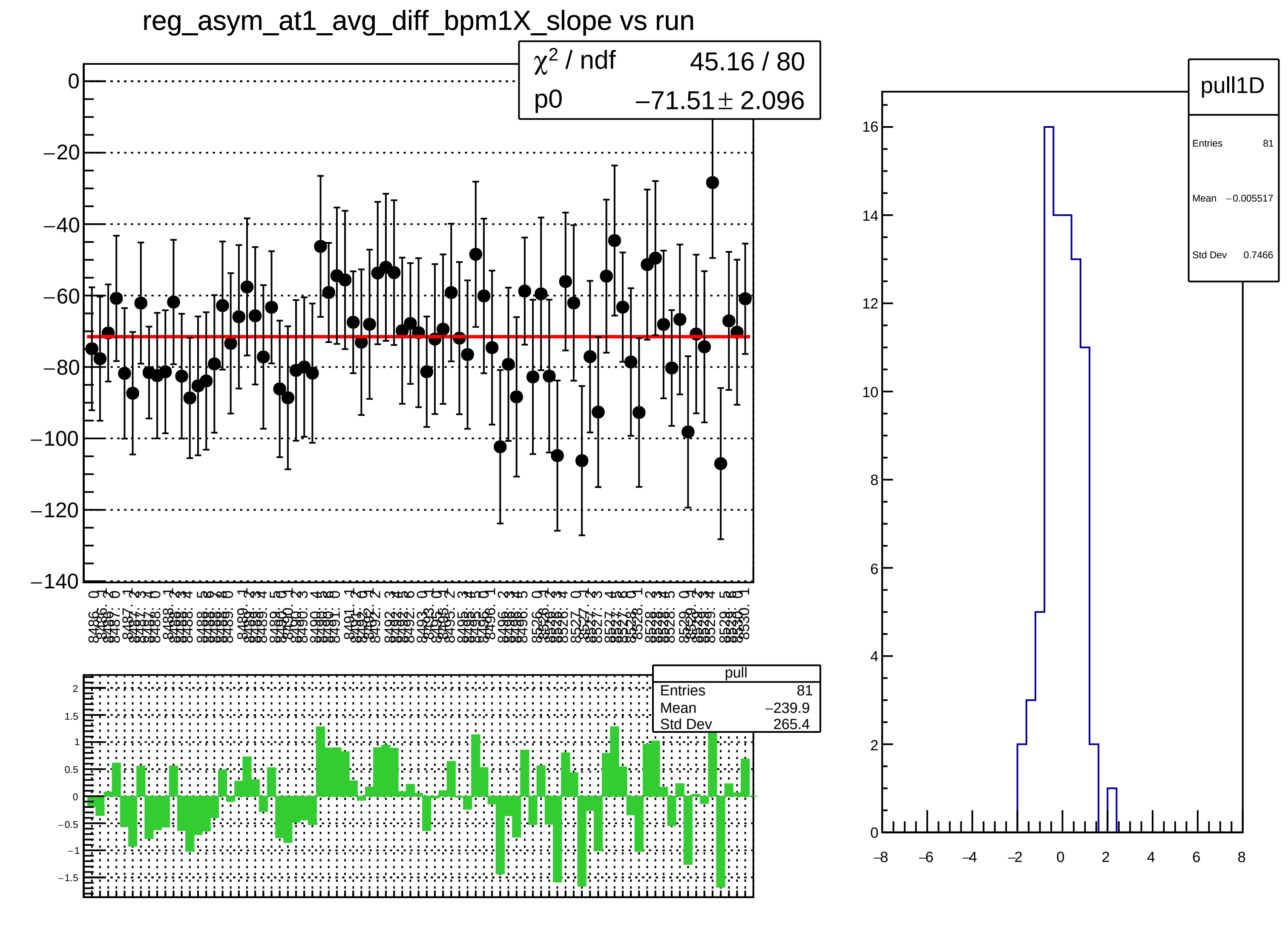

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 69.23 / 80
p0 −31.7 ± 21.05
pull
Entries 81
Mean 475.7
Std Dev 446.8
pull1D
Entries 81
Mean 0.00823
Std Dev 0.9244



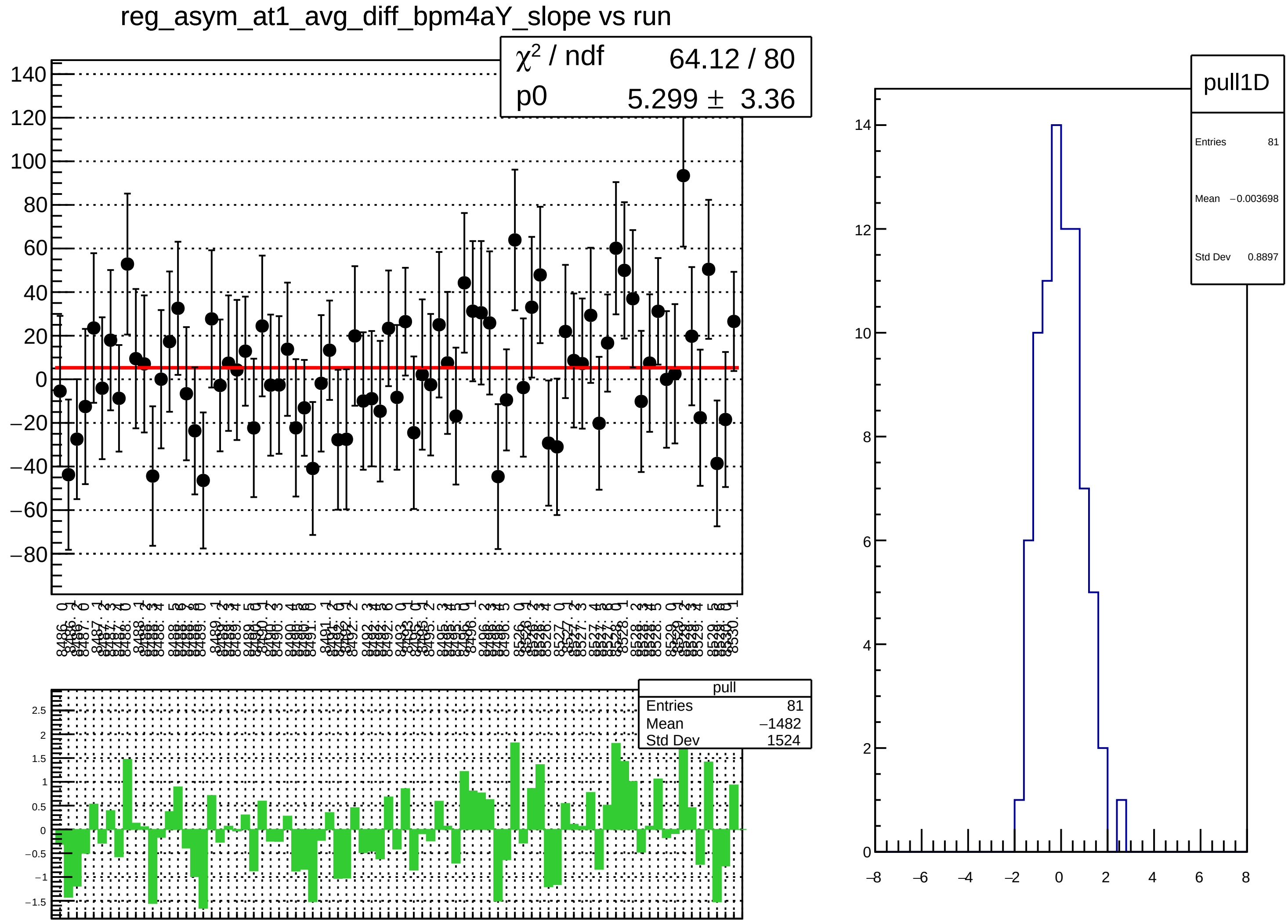
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 76.92 / 80
p0 21.29 ± 33.09
pull
Entries 81
Mean 205.3
Std Dev 226.8
pull1D
Entries 81
Mean −0.0008538
Std Dev 0.9745



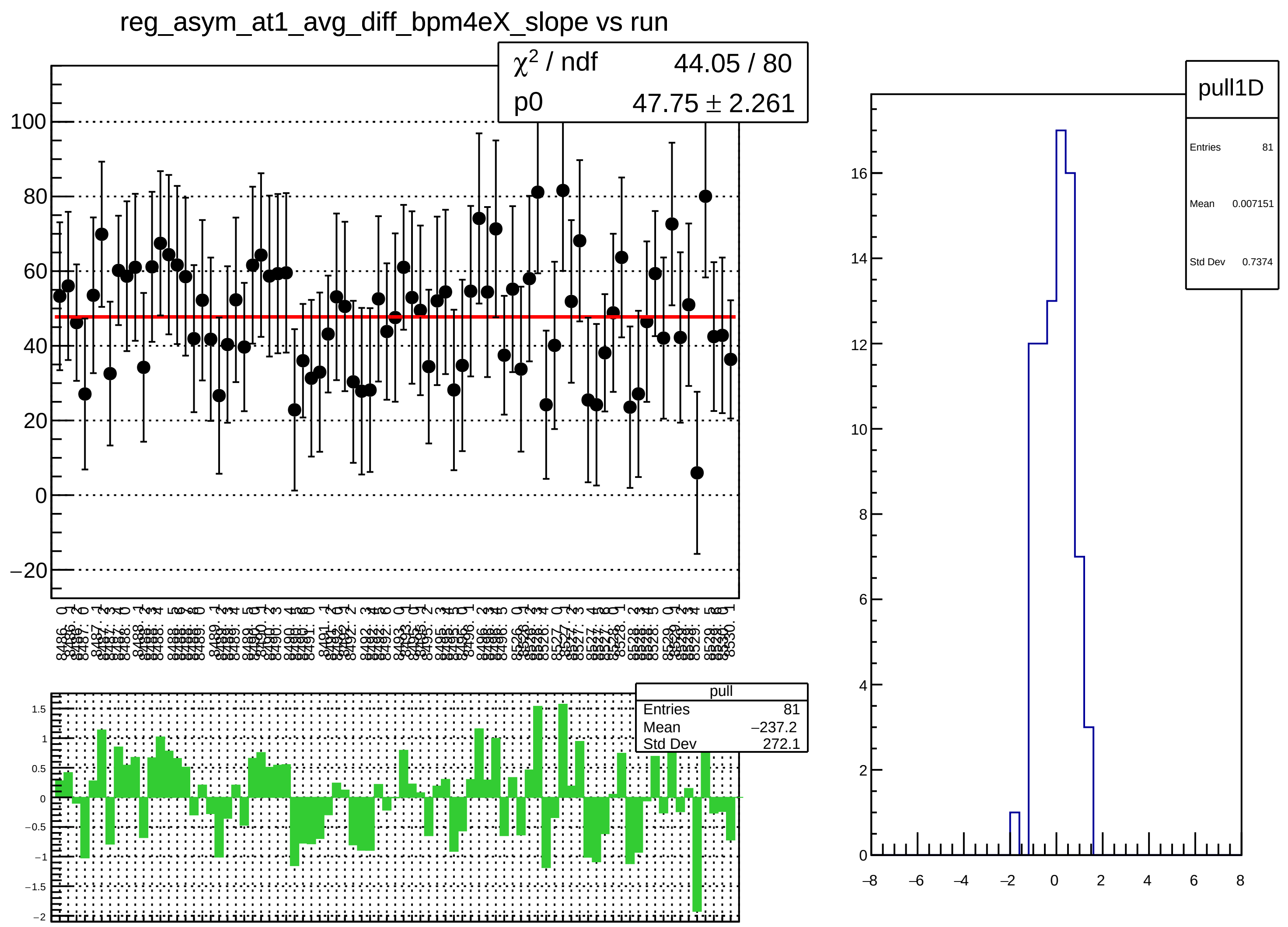
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ2 / ndf 73.38 / 80
p0 −40.99 ± 1.983
pull
Entries 81
Mean −3384
Std Dev 3414
pull1D
Entries 81
Mean −0.001728
Std Dev 0.9518

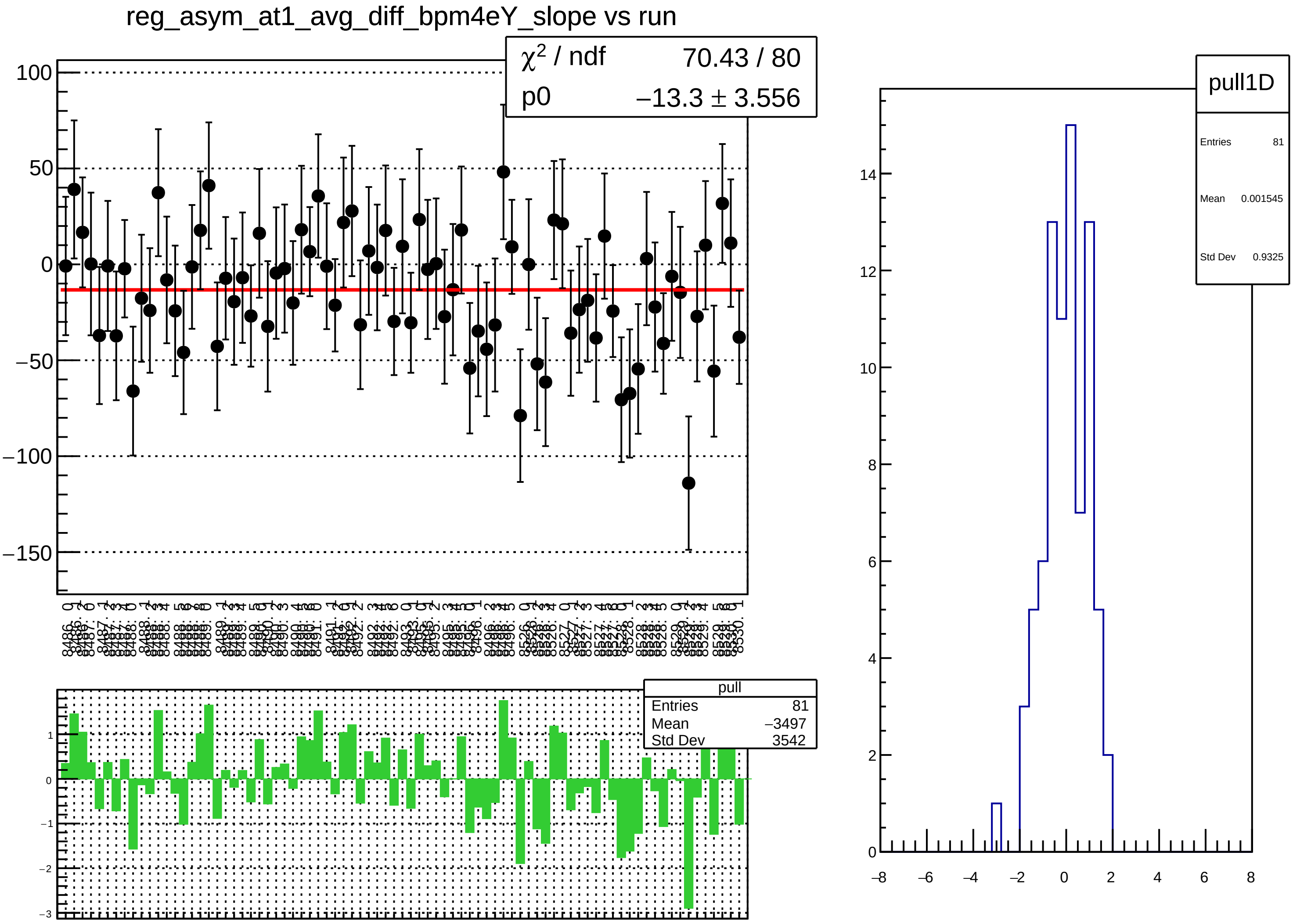


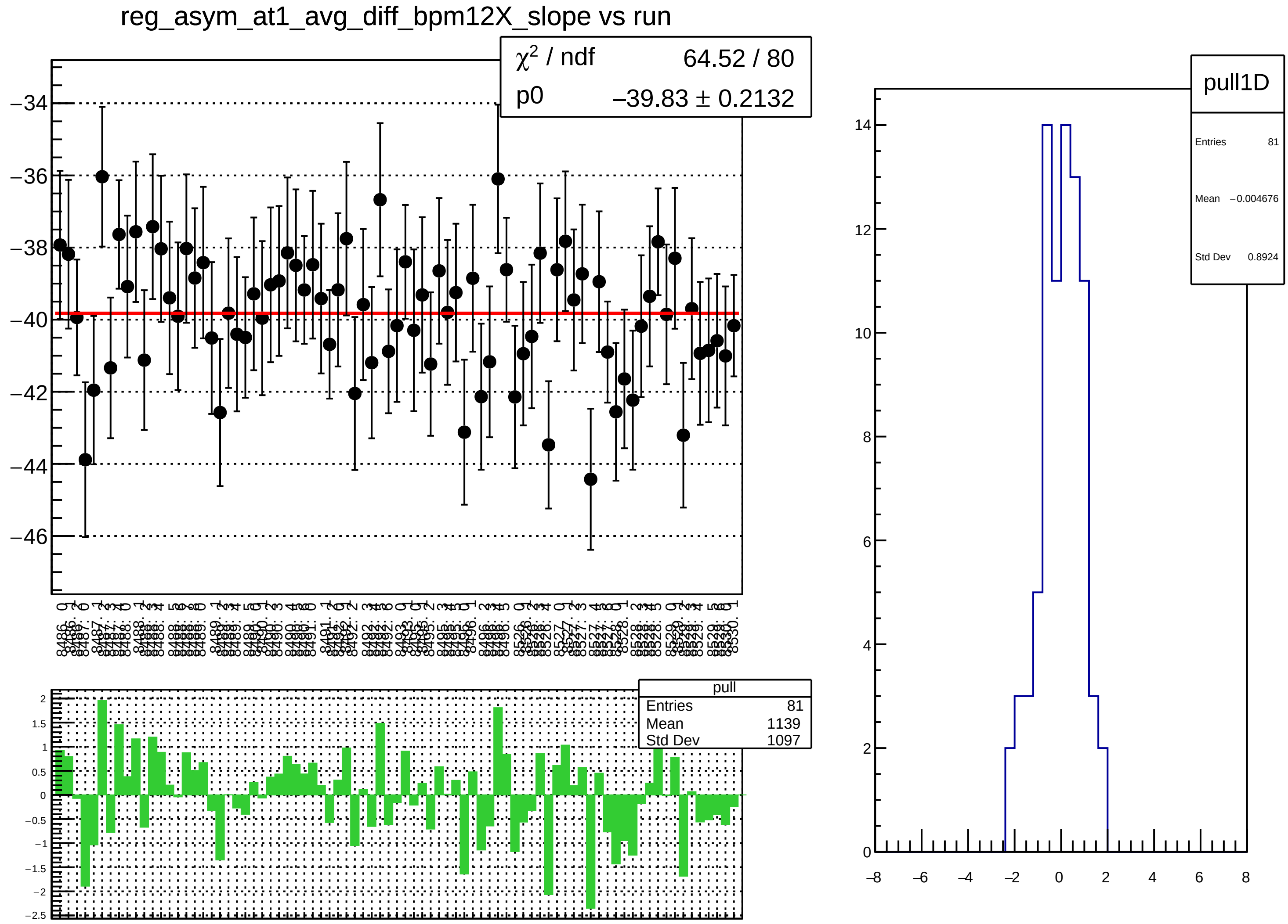
reg_asym_at1_avg_diff_bpm1X_slope vs run
χ2 / ndf 45.16 / 80
p0 −71.51 ± 2.096
pull
Entries 81
Mean −239.9
Std Dev 265.4
pull1D
Entries 81
Mean −0.005517
Std Dev 0.7466

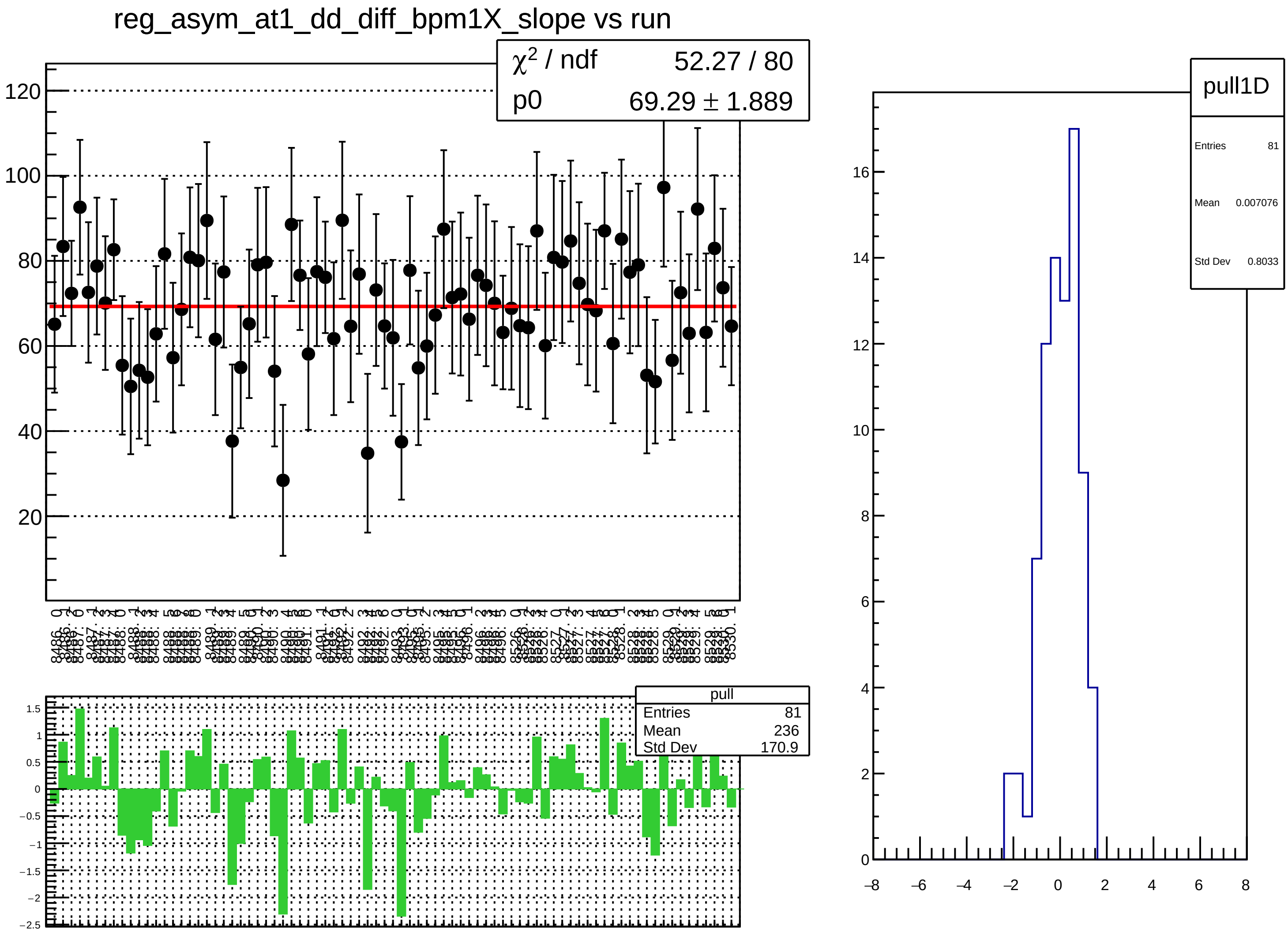


reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 64.12 / 80
p0 5.299 ± 3.36
pull
Entries 81
Mean −1482
Std Dev 1524
pull1D
Entries 81
Mean −0.003698
Std Dev 0.8897

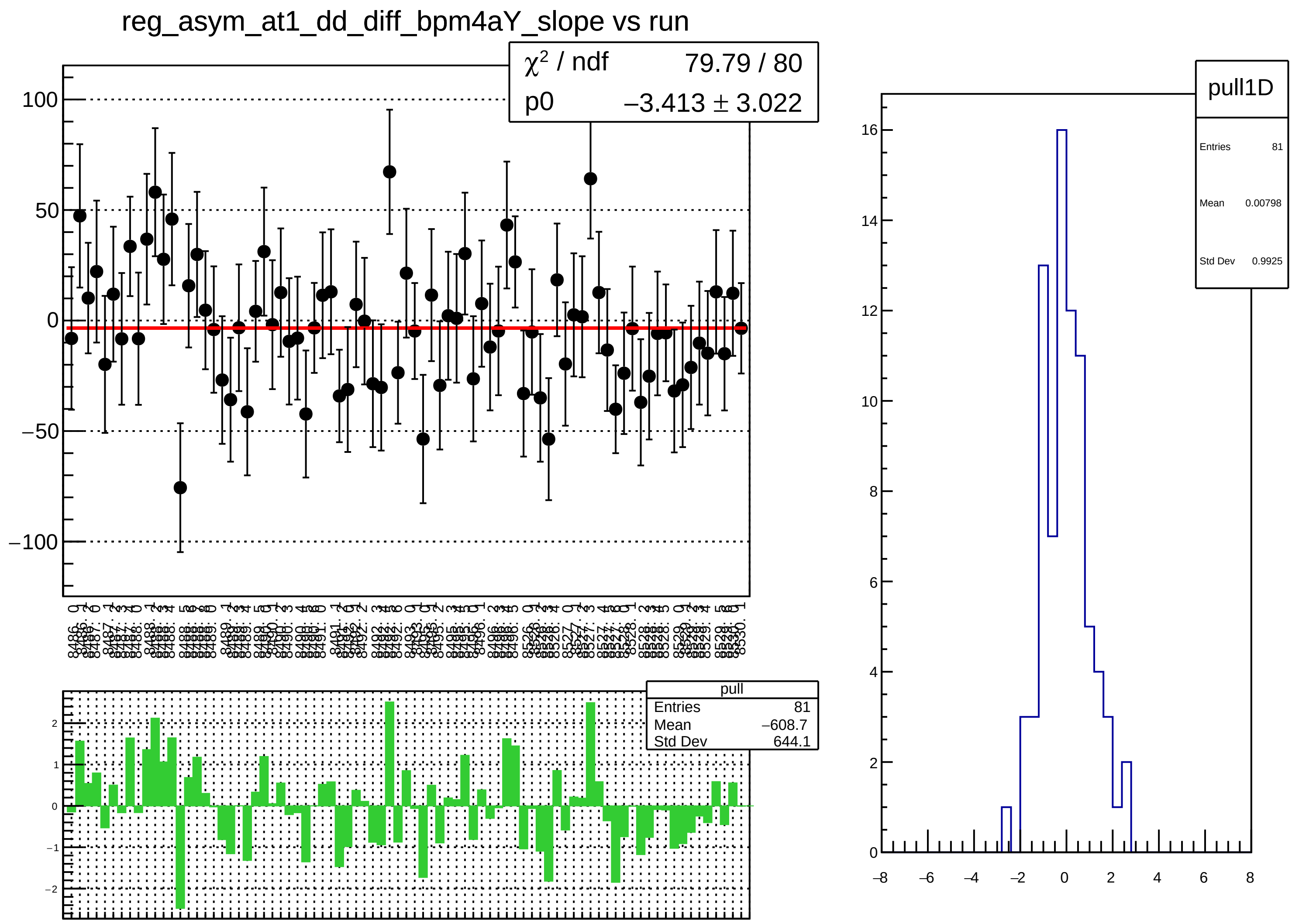

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.05 / 80
p0 47.75 ± 2.261
pull
Entries 81
Mean −237.2
Std Dev 272.1
pull1D
Entries 81
Mean 0.007151
Std Dev 0.7374


reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 70.43 / 80
p0 −13.3 ± 3.556
pull
Entries 81
Mean −3497
Std Dev 3542
pull1D
Entries 81
Mean 0.001545
Std Dev 0.9325

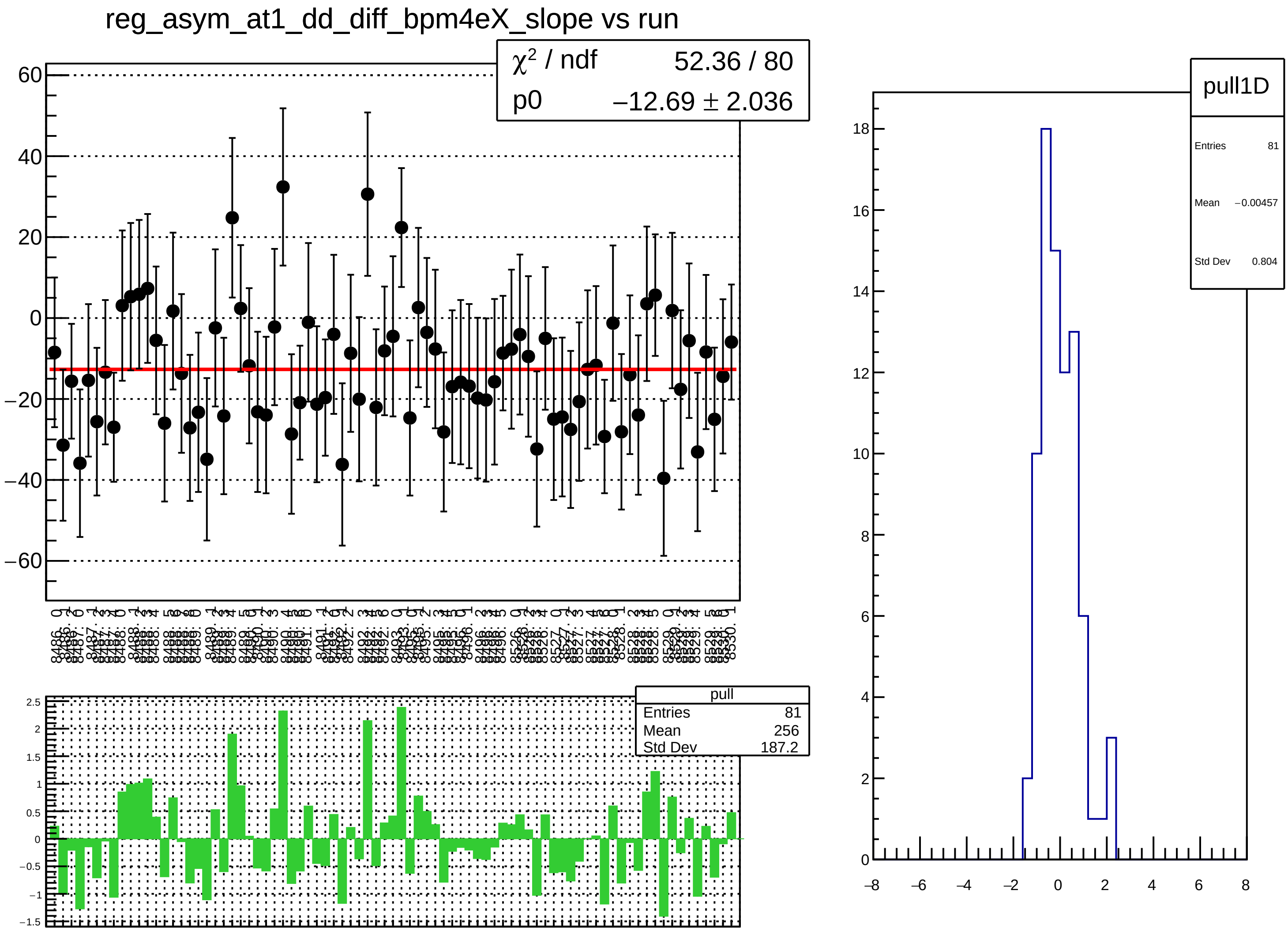

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 64.52 / 80
p0 −39.83 ± 0.2132
−34
−36
−38
−40
−42
−44
−46
pull
Entries 81
Mean 1139
Std Dev 1097
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −0.004676
Std Dev 0.8924
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

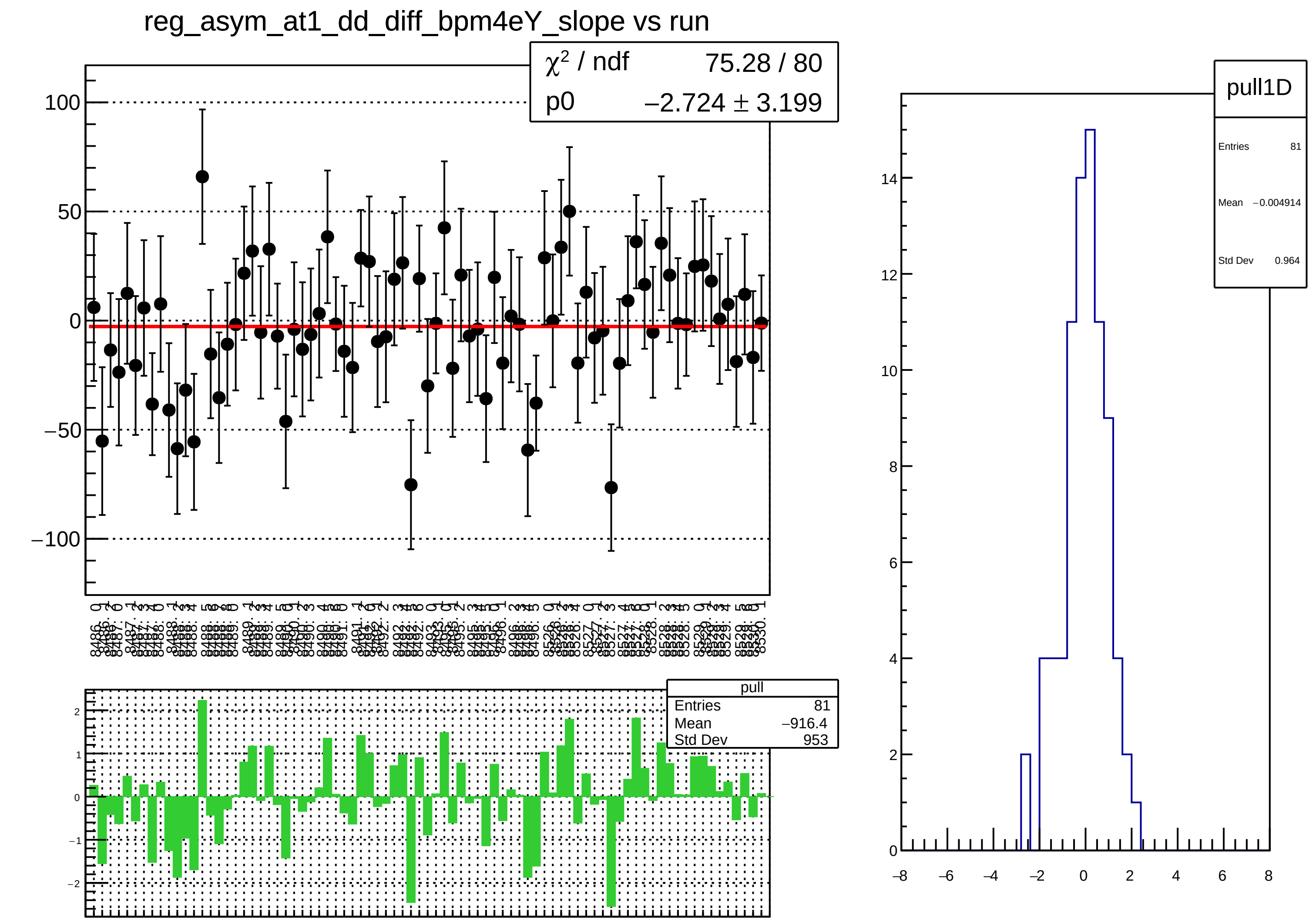


reg_asym_at1_dd_diff_bpm1X_slope vs run
χ2 / ndf 52.27 / 80
p0 69.29 ± 1.889
pull
Entries 81
Mean 236
Std Dev 170.9
pull1D
Entries 81
Mean 0.007076
Std Dev 0.8033

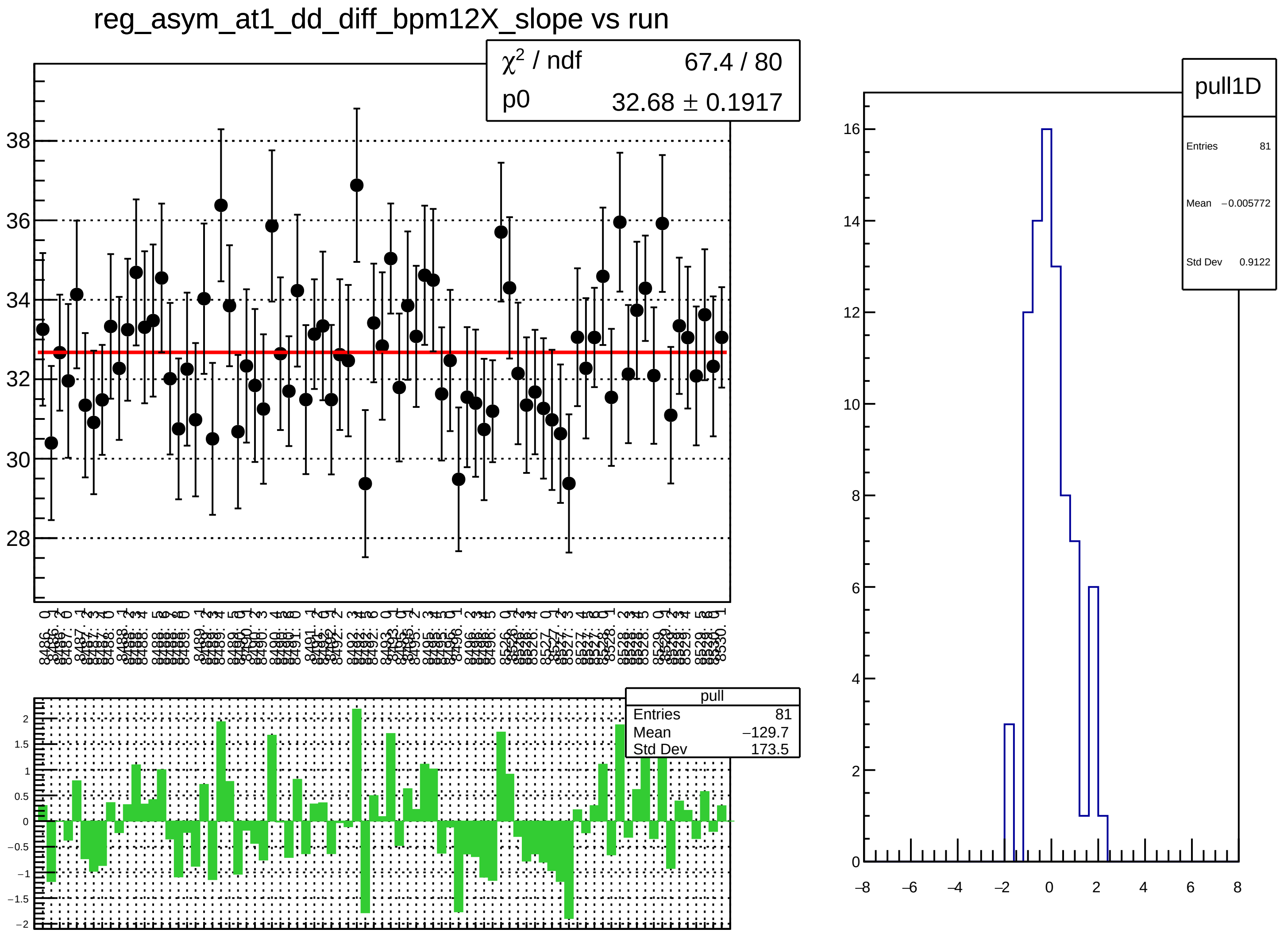


reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 79.79 / 80
p0 −3.413 ± 3.022
pull
Entries 81
Mean −608.7
Std Dev 644.1
pull1D
Entries 81
Mean 0.00798
Std Dev 0.9925

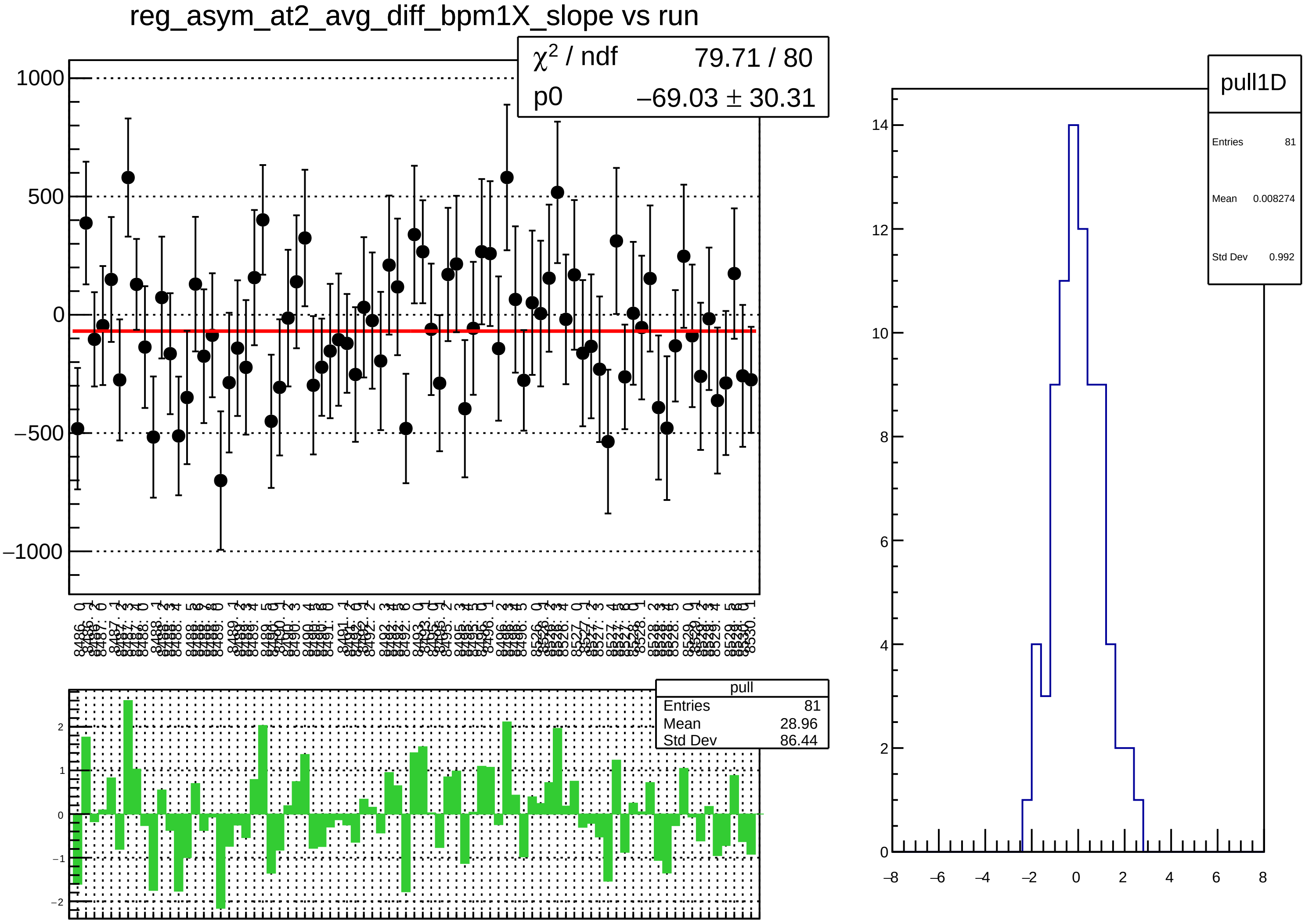

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 52.36 / 80
p0 −12.69 ± 2.036
pull
Entries 81
Mean 256
Std Dev 187.2
pull1D
Entries 81
Mean −0.00457
Std Dev 0.804



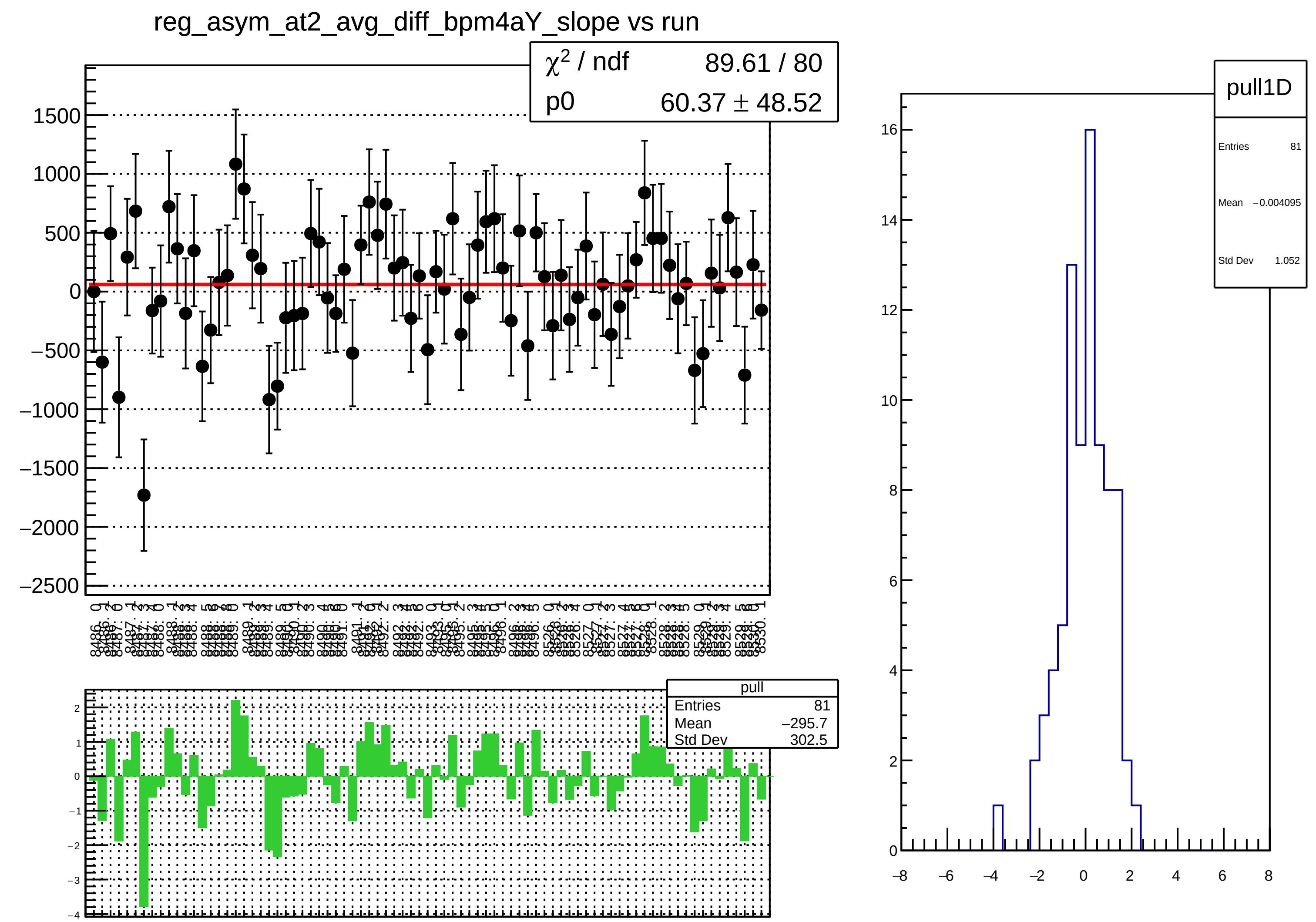
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 75.28 / 80
p0 −2.724 ± 3.199
pull
Entries 81
Mean −916.4
Std Dev 953
pull1D
Entries 81
Mean −0.004914
Std Dev 0.964



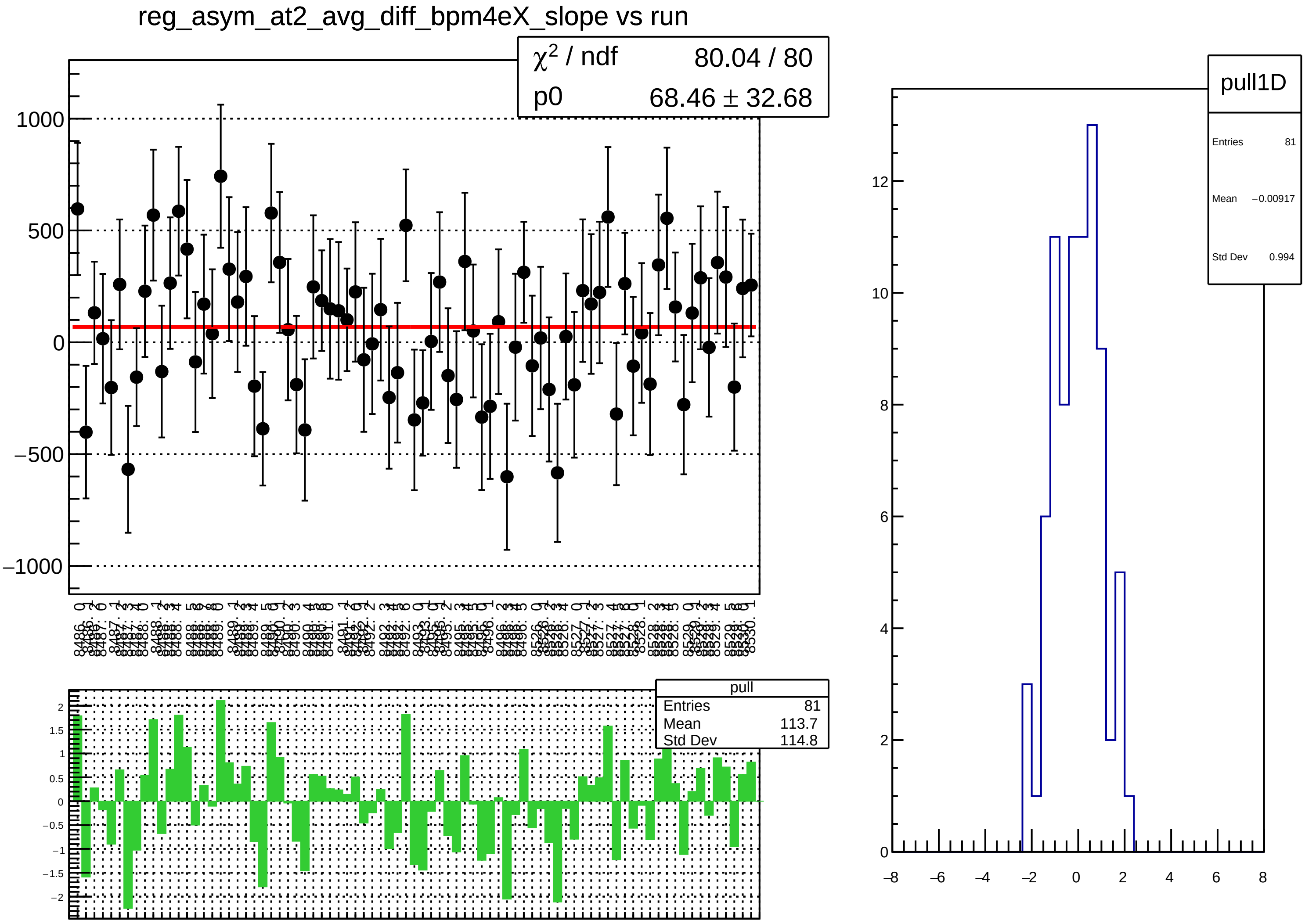
reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 67.4 / 80
p0 32.68 ± 0.1917
pull
Entries 81
Mean −129.7
Std Dev 173.5
pull1D
Entries 81
Mean −0.005772
Std Dev 0.9122



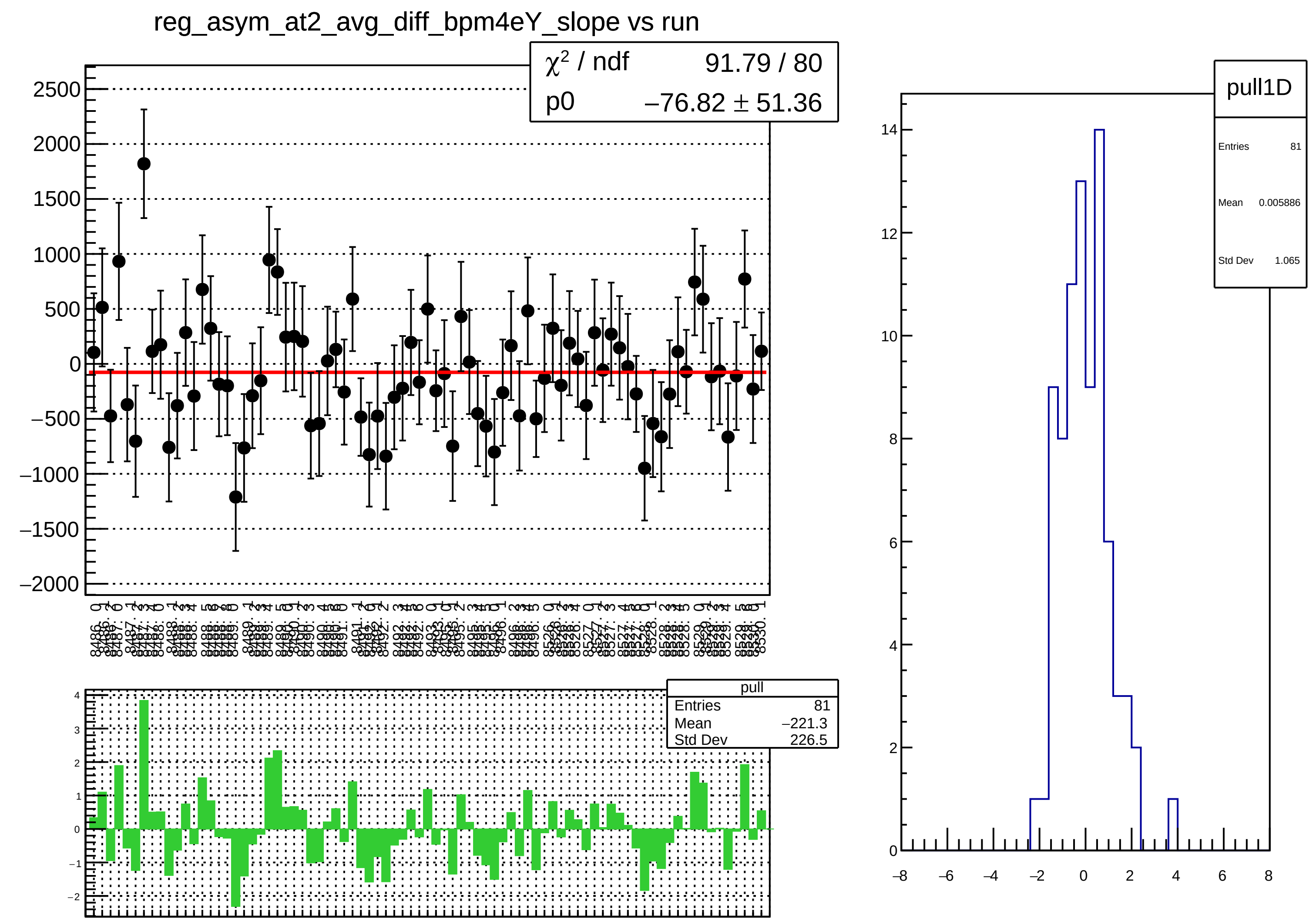
reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 79.71 / 80
p0 −69.03 ± 30.31
1000
500
0
−500
−1000
pull
Entries 81
Mean 28.96
Std Dev 86.44
pull1D
Entries 81
Mean 0.008274
Std Dev 0.992



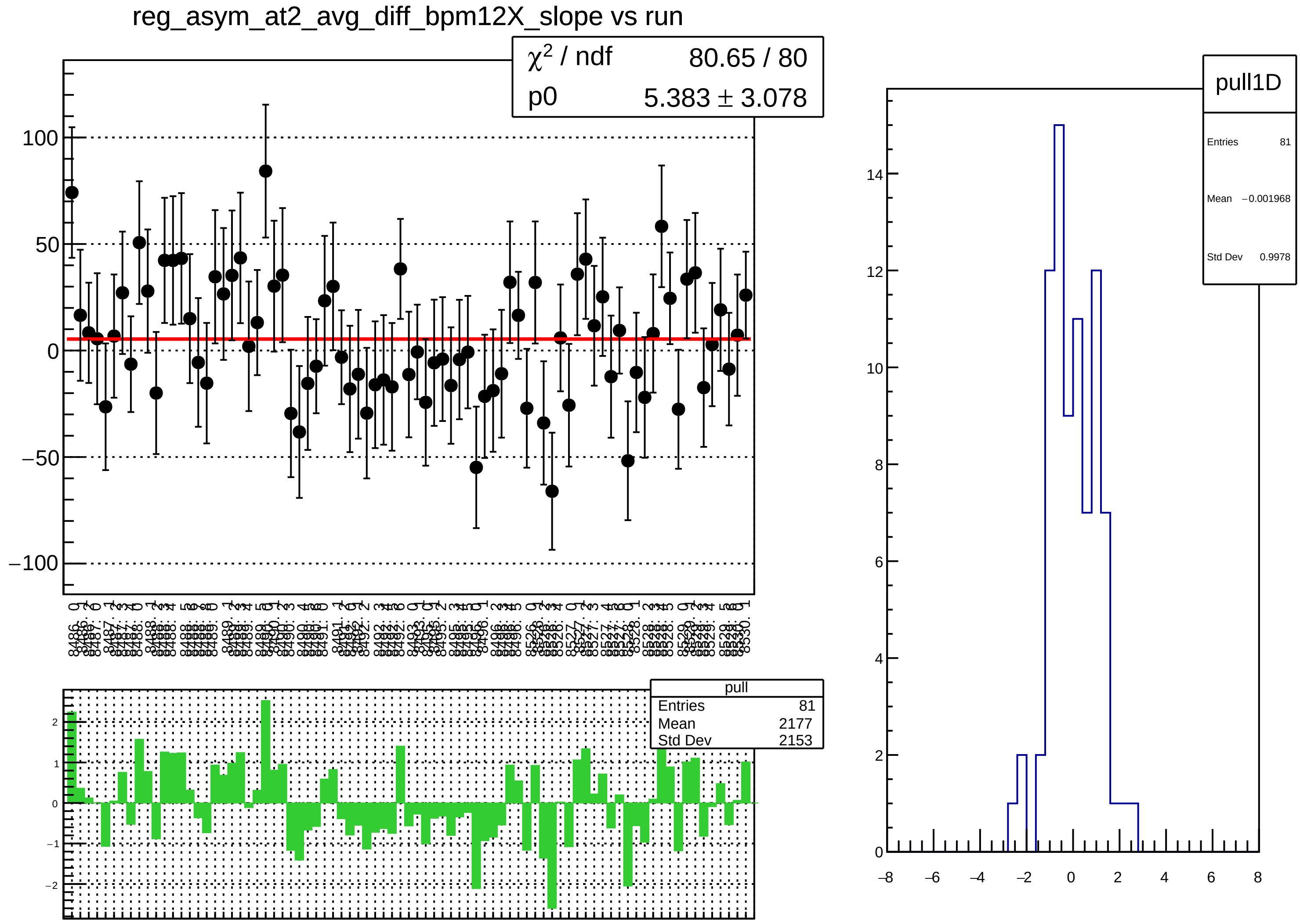
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 89.61 / 80
p0 60.37 ± 48.52
pull
Entries 81
Mean −295.7
Std Dev 302.5
pull1D
Entries 81
Mean −0.004095
Std Dev 1.052



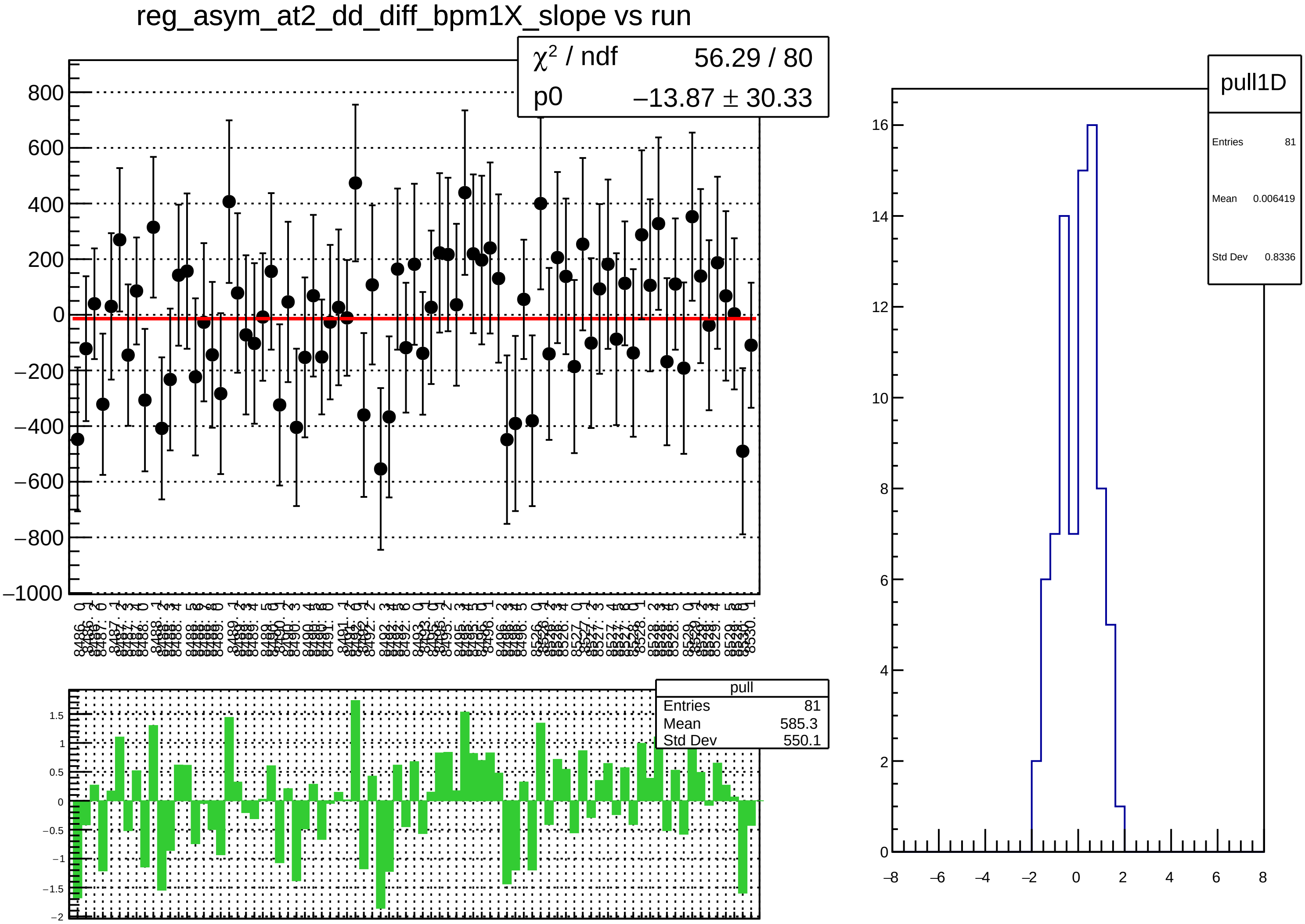
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 80.04 / 80
p0 68.46 ± 32.68
1000
500
0
−500
−1000
pull
Entries 81
Mean 113.7
Std Dev 114.8
pull1D
Entries 81
Mean −0.00917
Std Dev 0.994



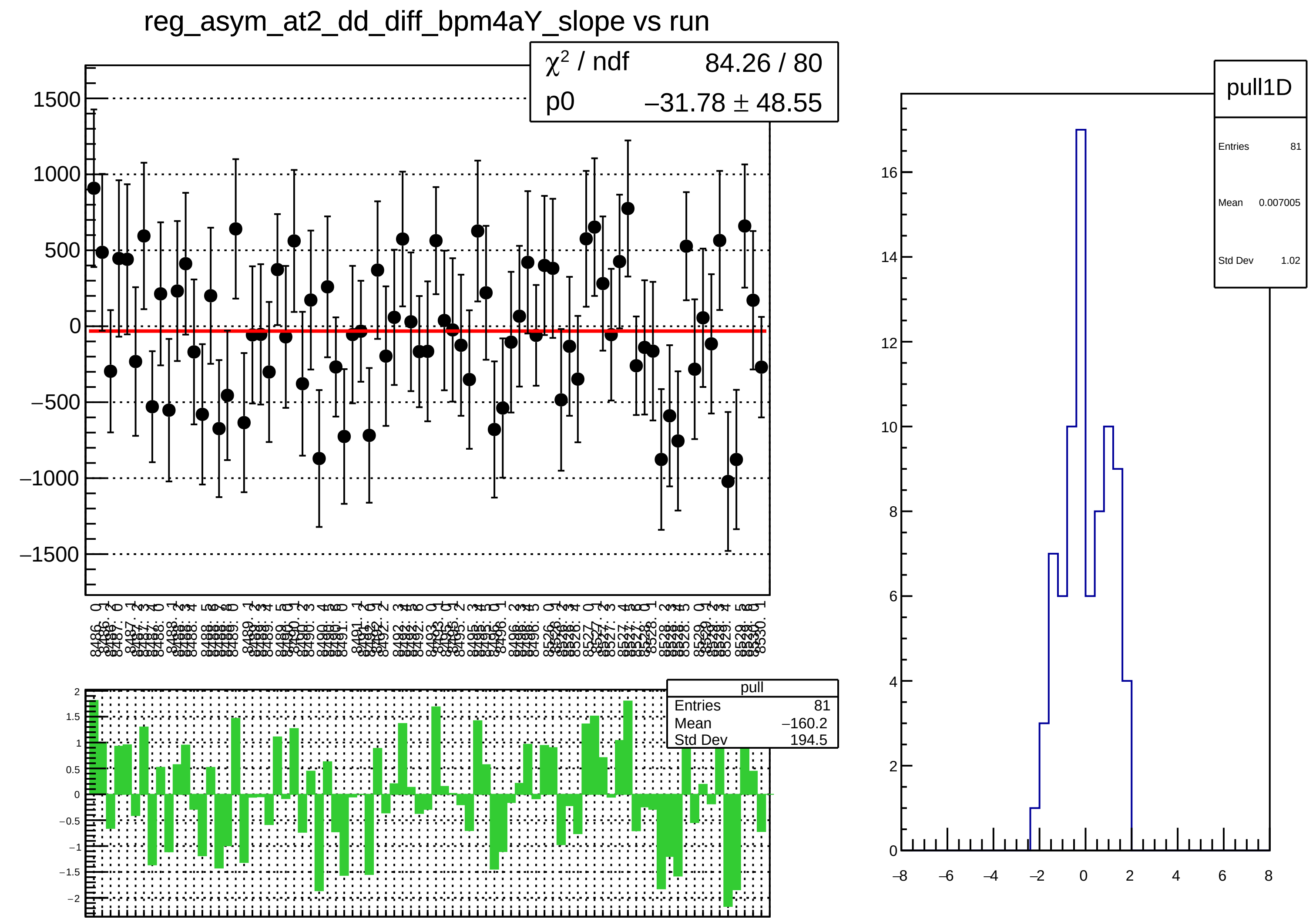
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 91.79 / 80
p0 −76.82 ± 51.36
pull
Entries 81
Mean −221.3
Std Dev 226.5
pull1D
Entries 81
Mean 0.005886
Std Dev 1.065

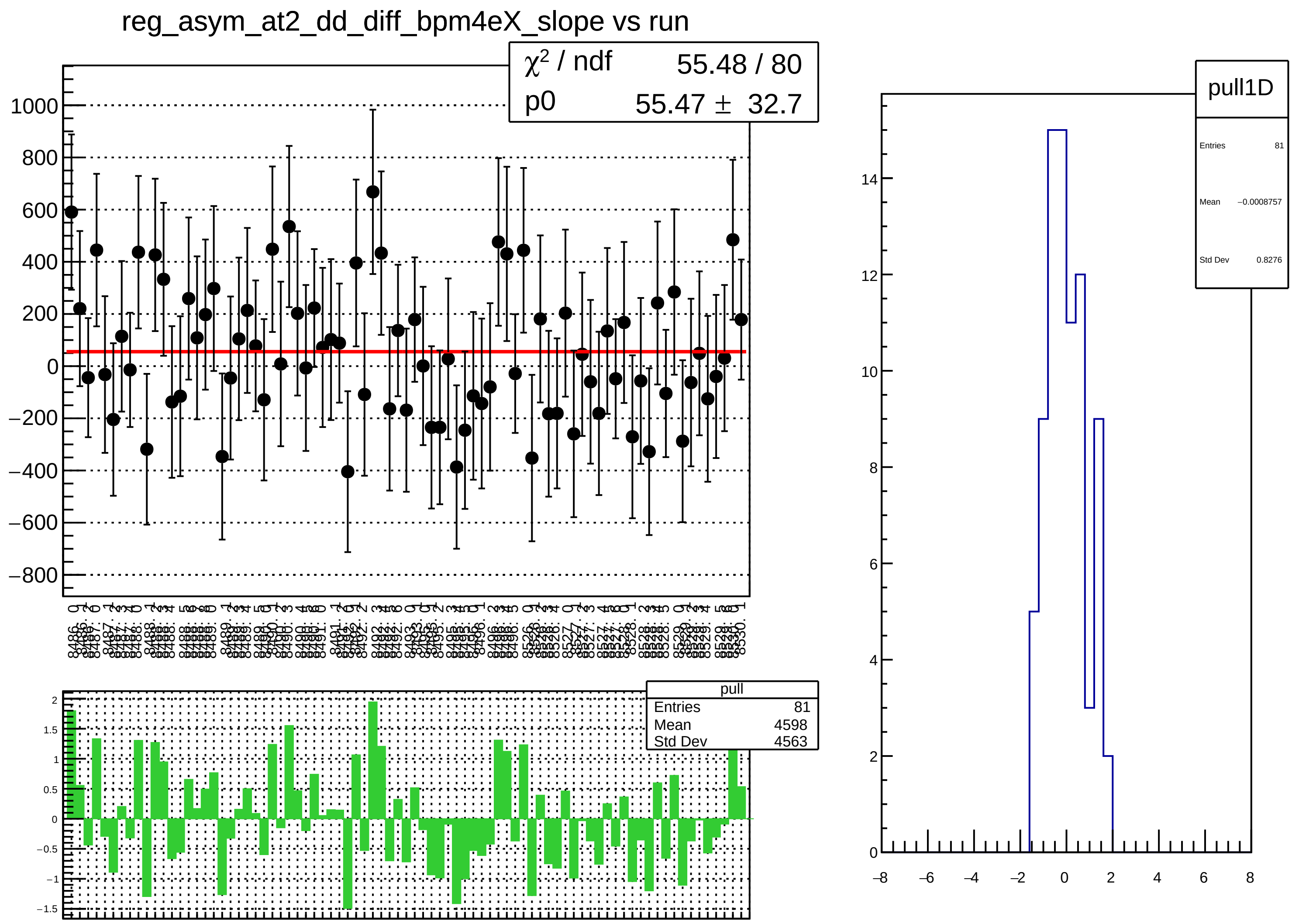


reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 80.65 / 80
p0 5.383 ± 3.078
pull
Entries 81
Mean 2177
Std Dev 2153
pull1D
Entries 81
Mean −0.001968
Std Dev 0.9978

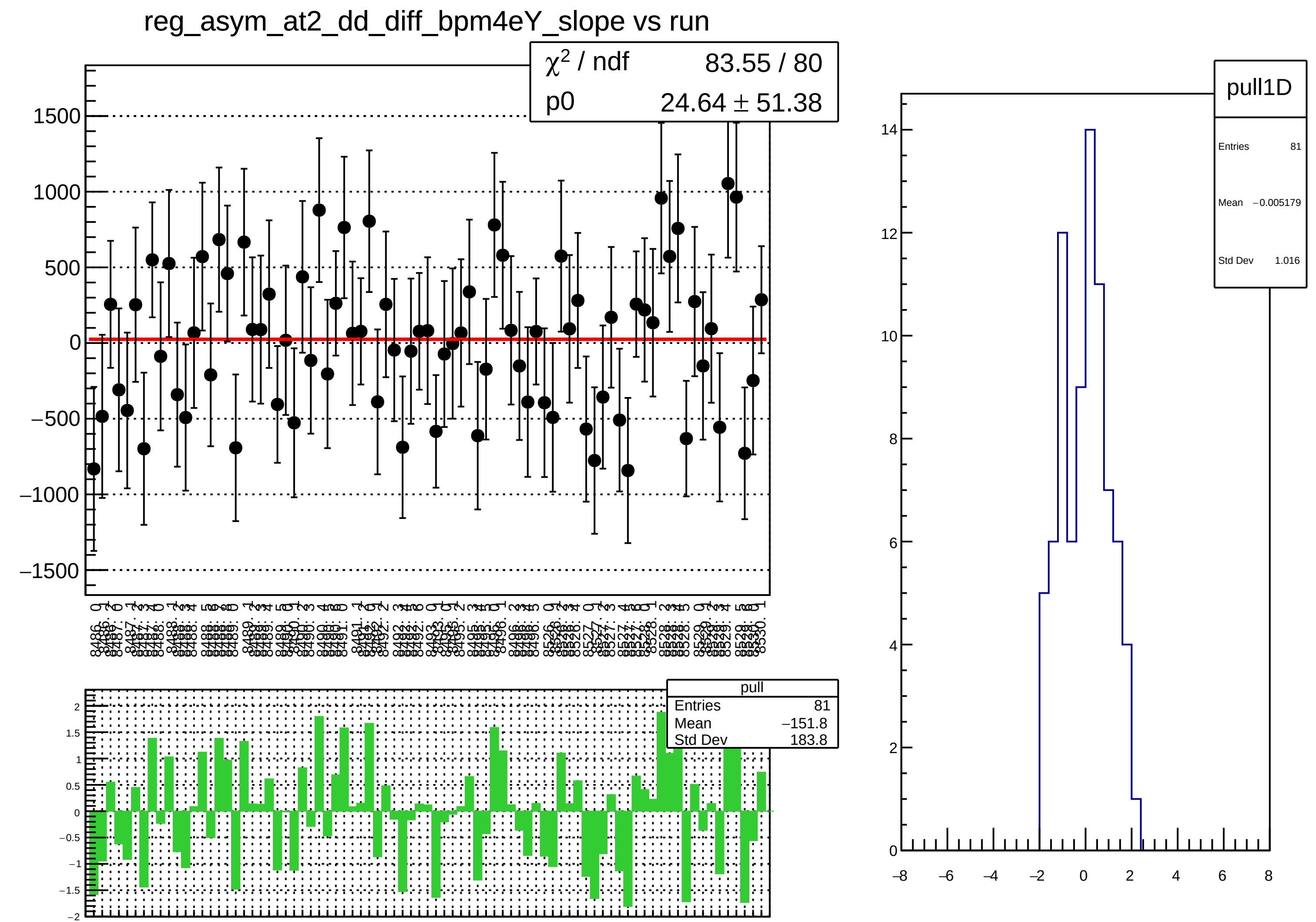


reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 56.29 / 80
p0 −13.87 ± 30.33
pull
Entries 81
Mean 585.3
Std Dev 550.1
pull1D
Entries 81
Mean 0.006419
Std Dev 0.8336

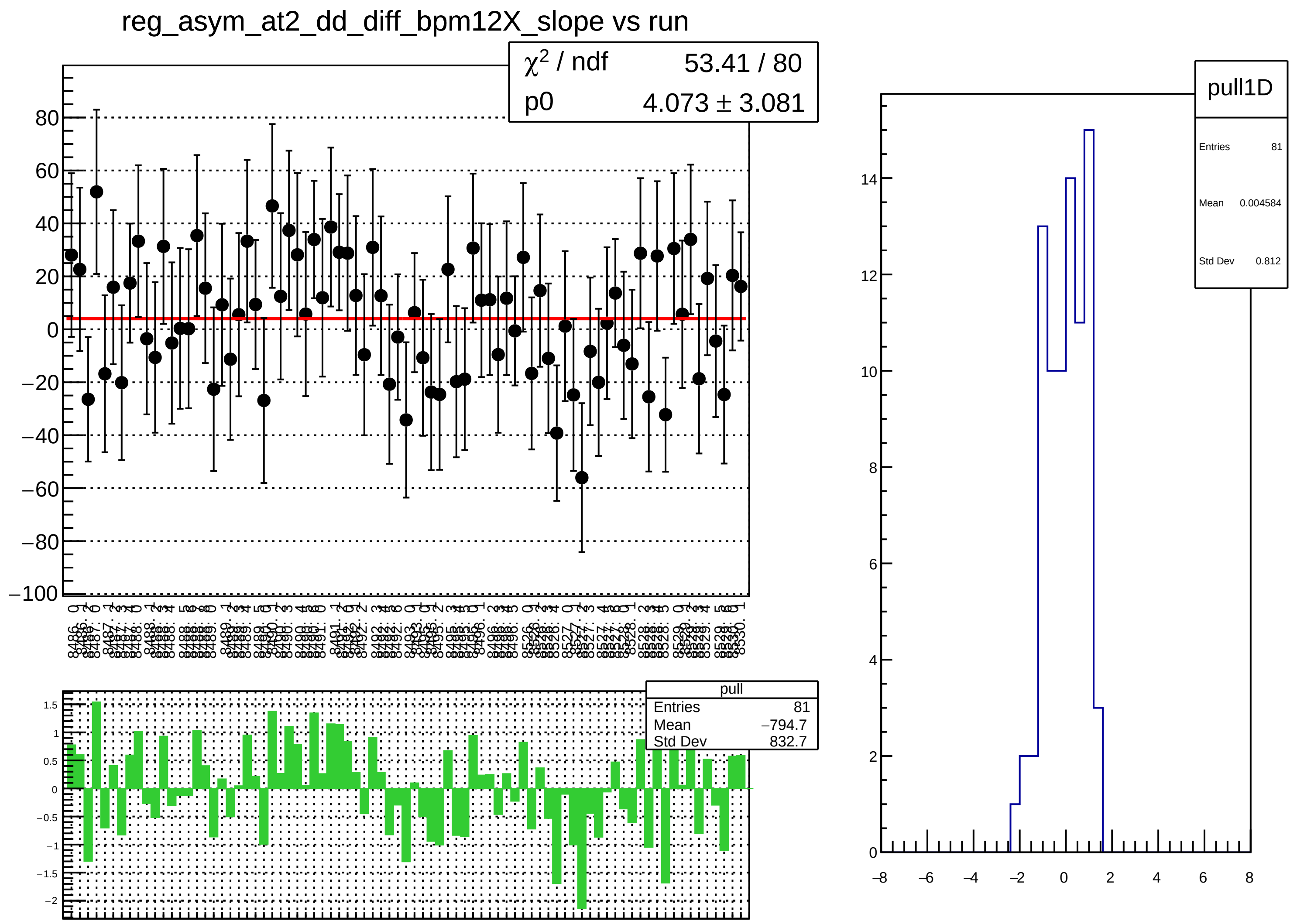

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 84.26 / 80
p0 −31.78 ± 48.55
pull
Entries 81
Mean −160.2
Std Dev 194.5
pull1D
Entries 81
Mean 0.007005
Std Dev 1.02



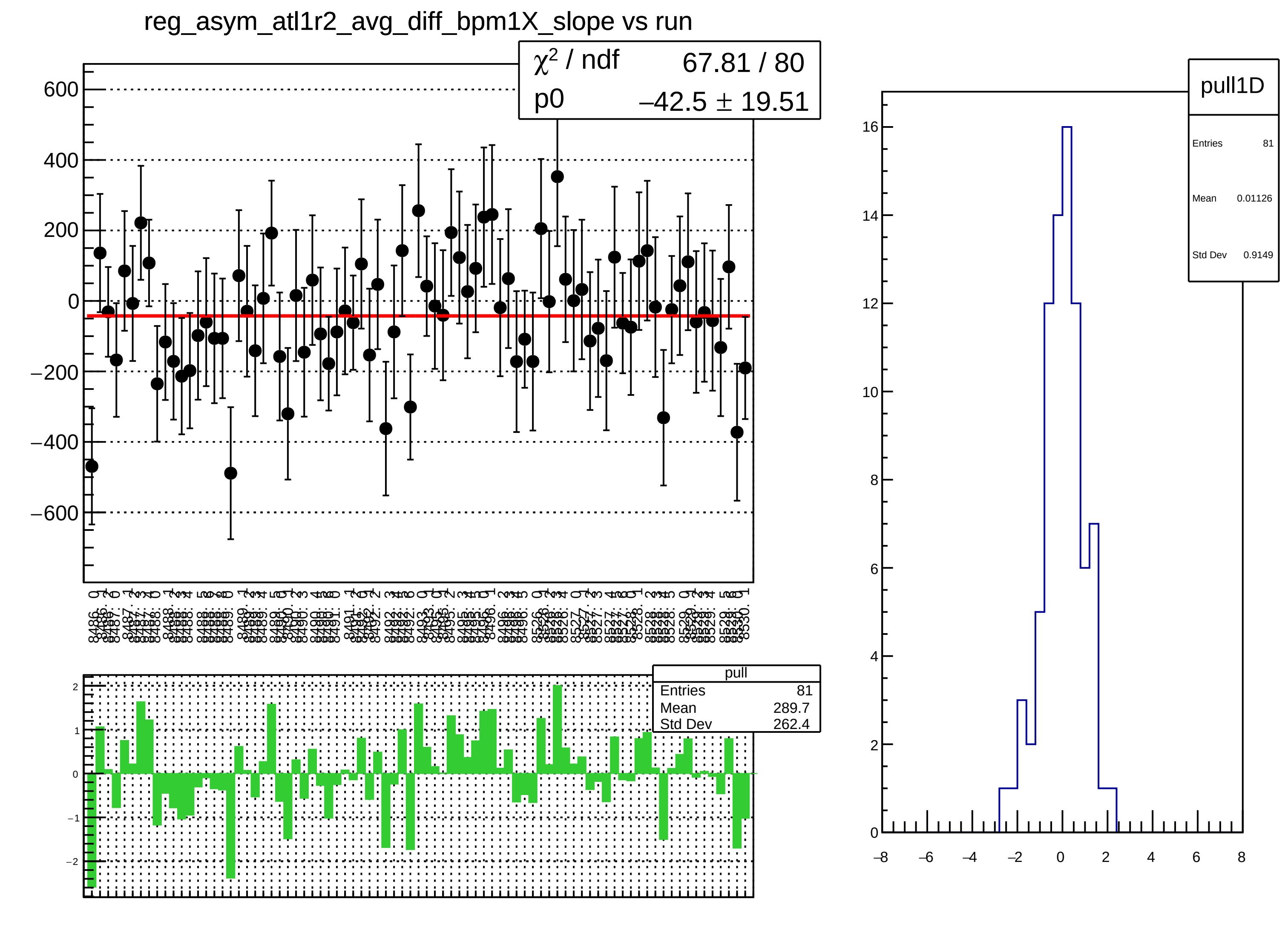
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 55.48 / 80
p0 55.47 ± 32.7
pull
Entries 81
Mean 4598
Std Dev 4563
pull1D
Entries 81
Mean −0.0008757
Std Dev 0.8276



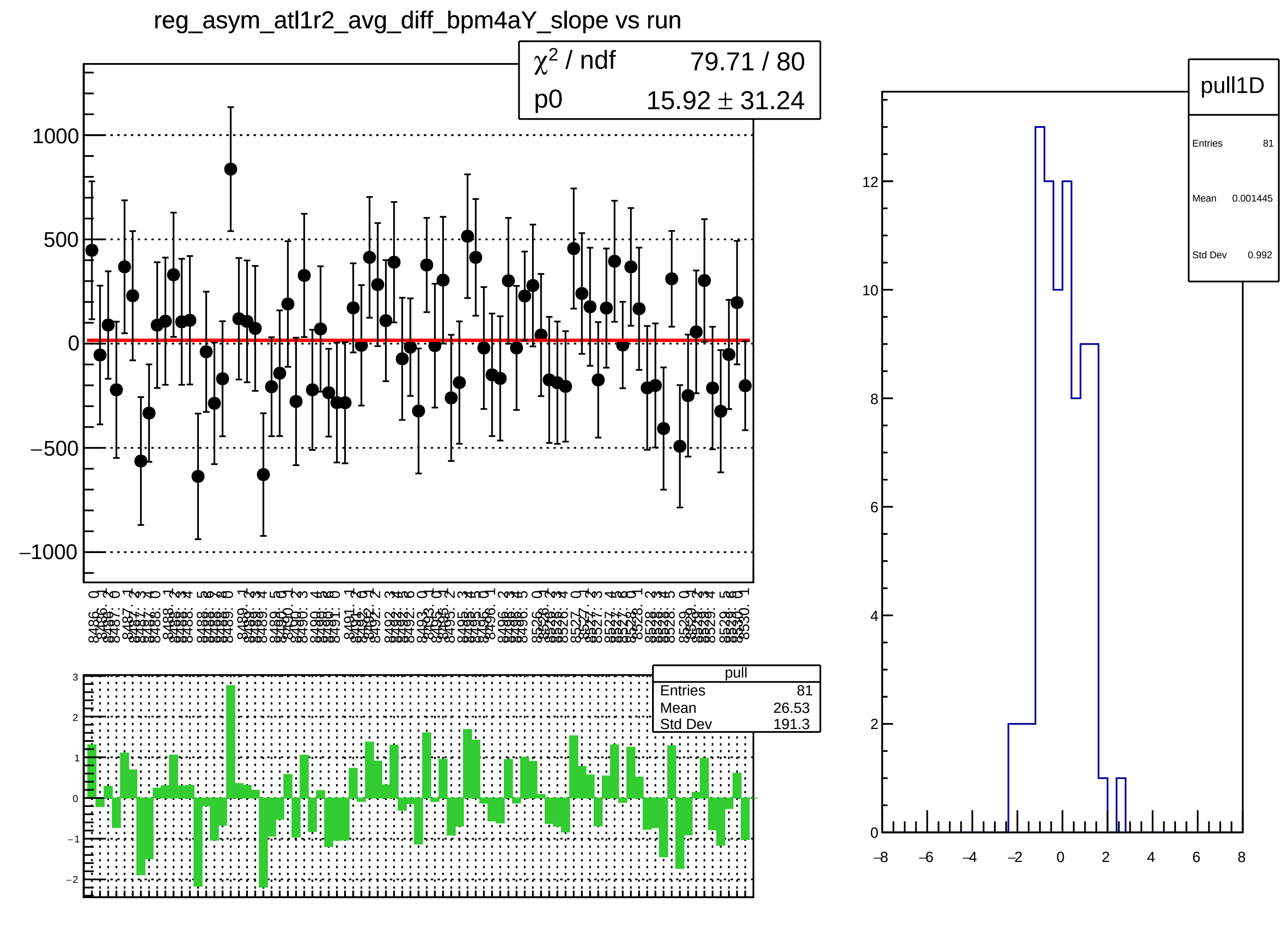
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 83.55 / 80
p0 24.64 ± 51.38
pull
Entries 81
Mean −151.8
Std Dev 183.8
pull1D
Entries 81
Mean −0.005179
Std Dev 1.016



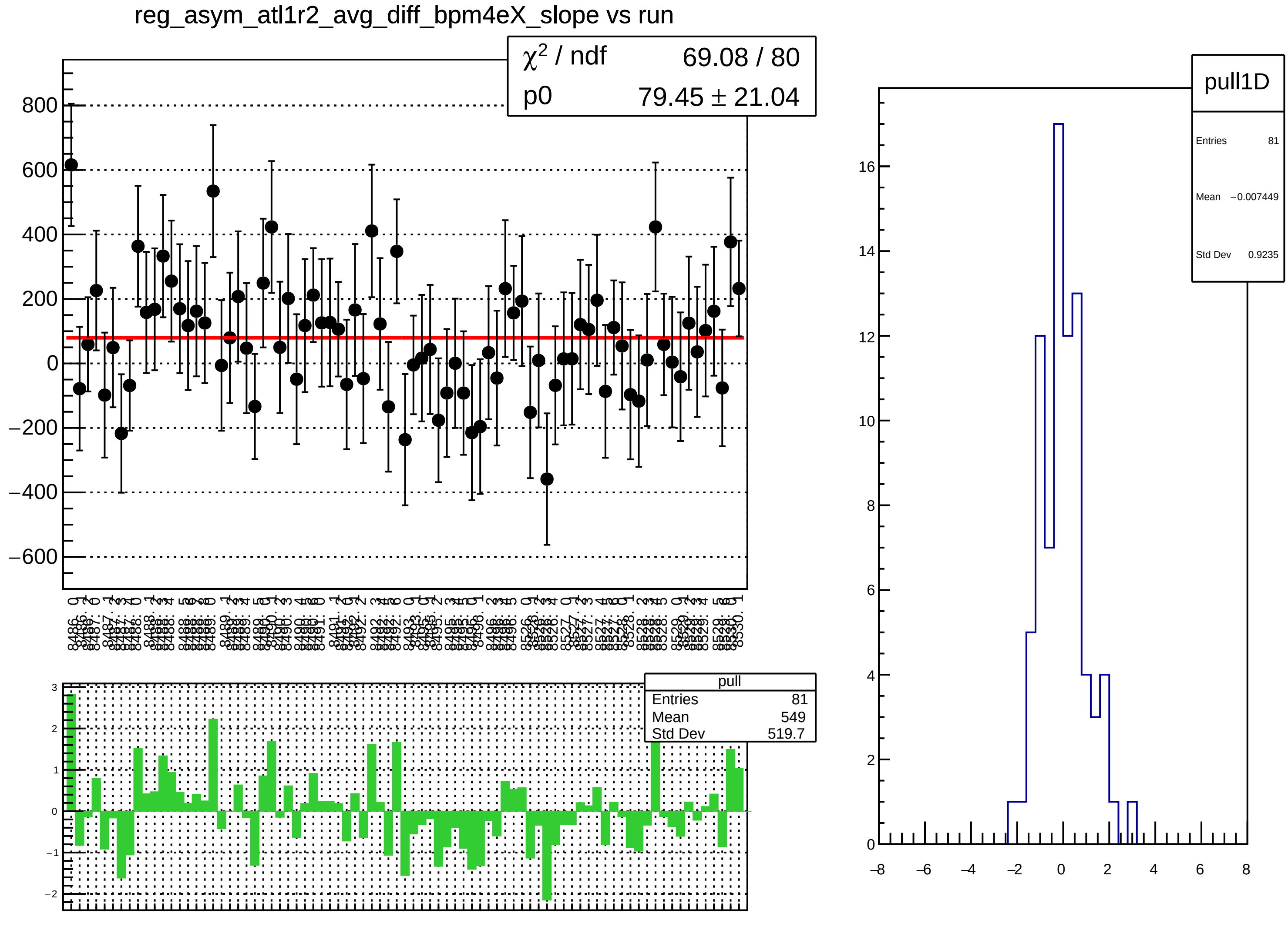
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 53.41 / 80
p0 4.073 ± 3.081
pull
Entries 81
Mean −794.7
Std Dev 832.7
pull1D
Entries 81
Mean 0.004584
Std Dev 0.812



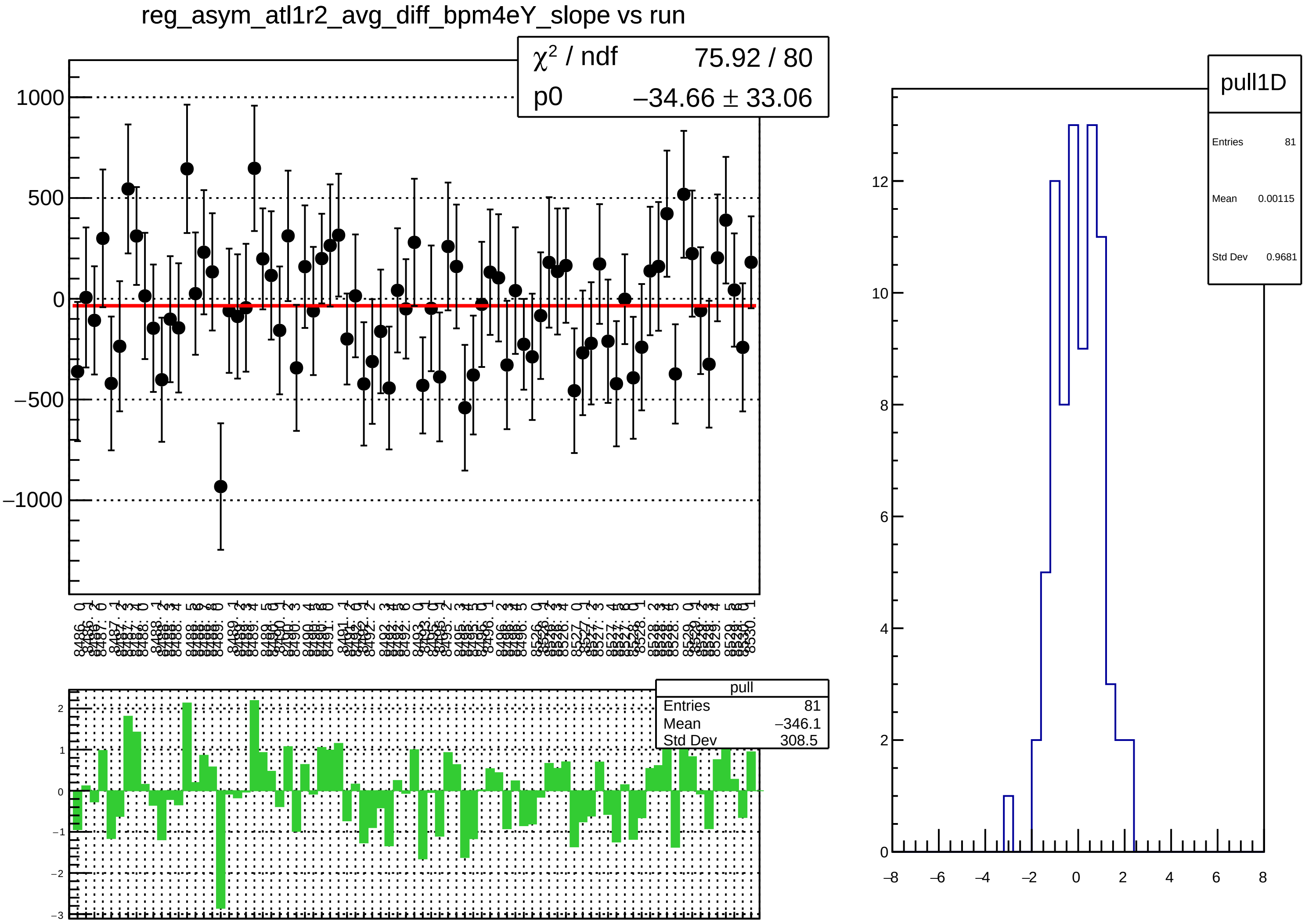
reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 67.81 / 80
p0 −42.5 ± 19.51
pull
Entries 81
Mean 289.7
Std Dev 262.4
pull1D
Entries 81
Mean 0.01126
Std Dev 0.9149



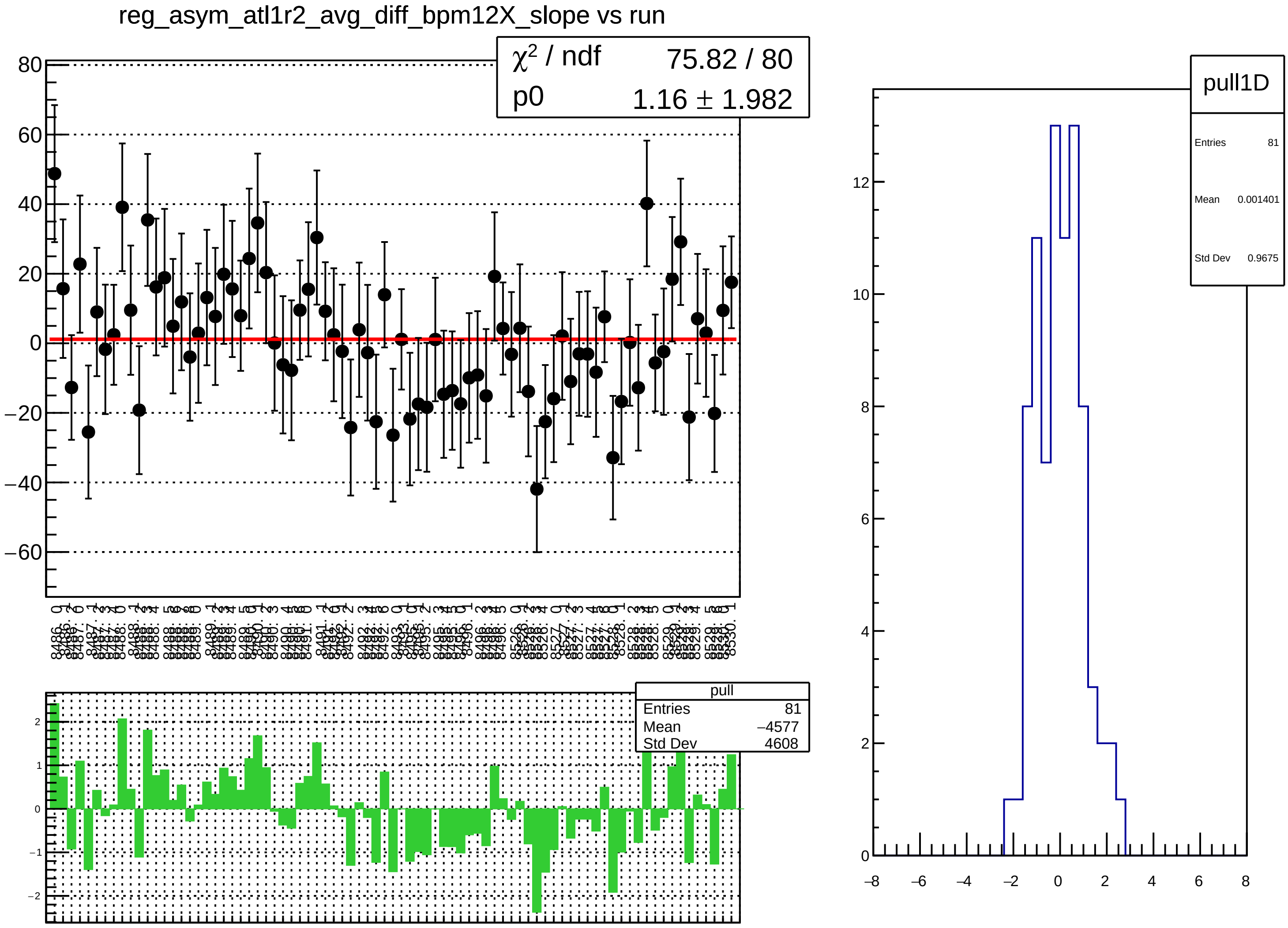
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 79.71 / 80
p0 15.92 ± 31.24
pull
Entries 81
Mean 26.53
Std Dev 191.3
pull1D
Entries 81
Mean 0.001445
Std Dev 0.992



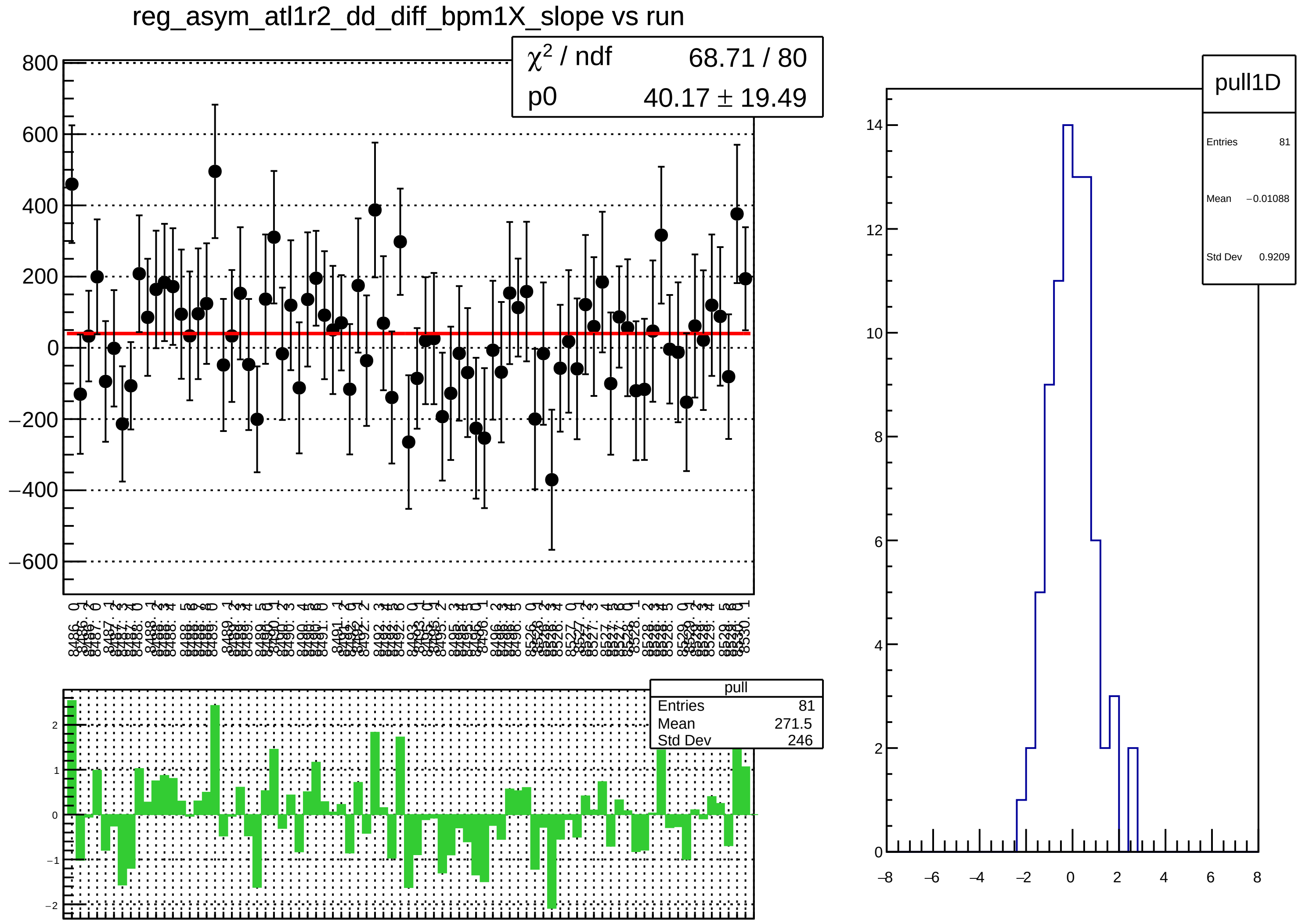
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 69.08 / 80
p0 79.45 ± 21.04
pull
Entries 81
Mean 549
Std Dev 519.7
pull1D
Entries 81
Mean −0.007449
Std Dev 0.9235



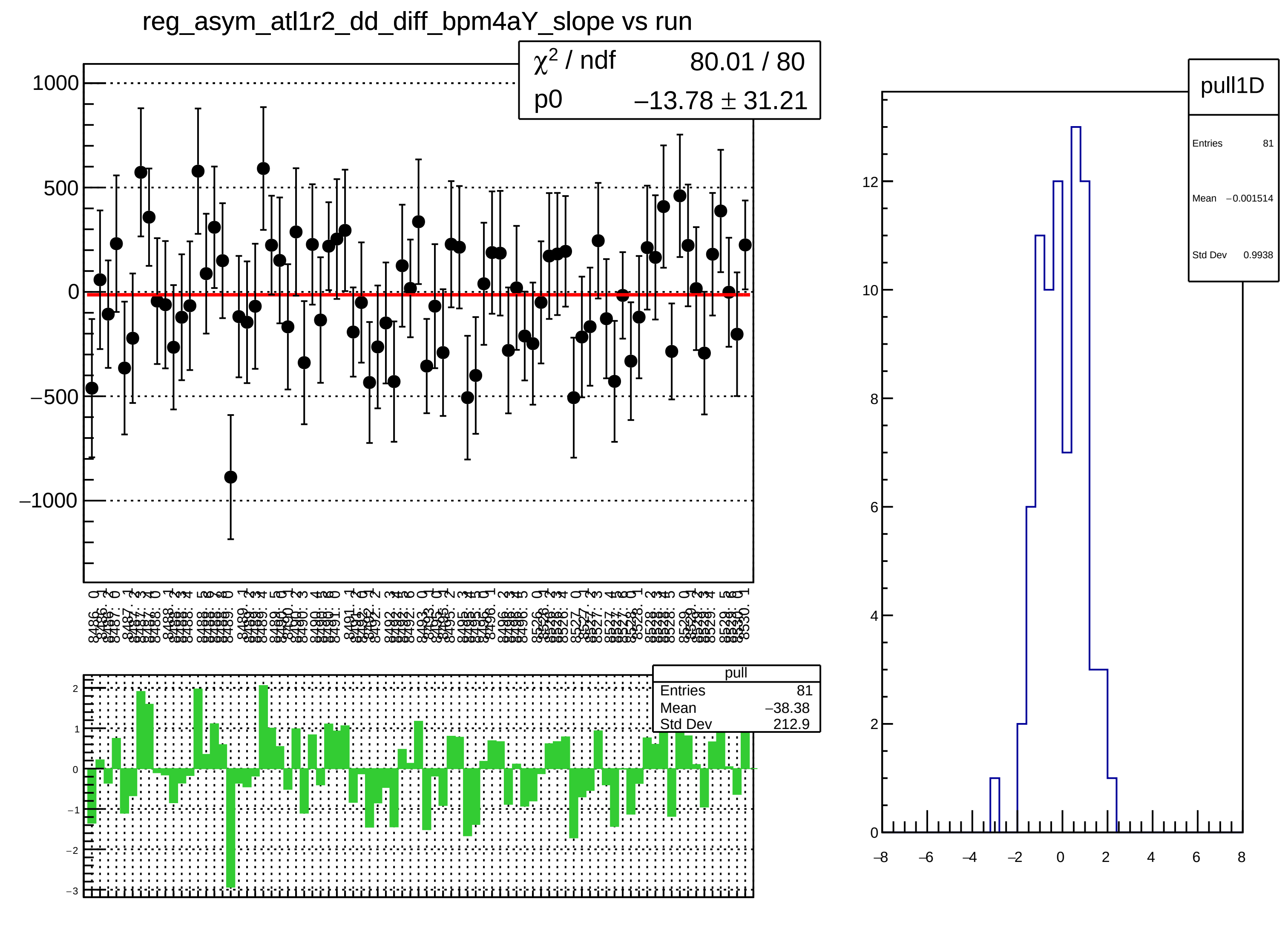
reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 75.92 / 80
p0 −34.66 ± 33.06
pull
Entries 81
Mean −346.1
Std Dev 308.5
pull1D
Entries 81
Mean 0.00115
Std Dev 0.9681



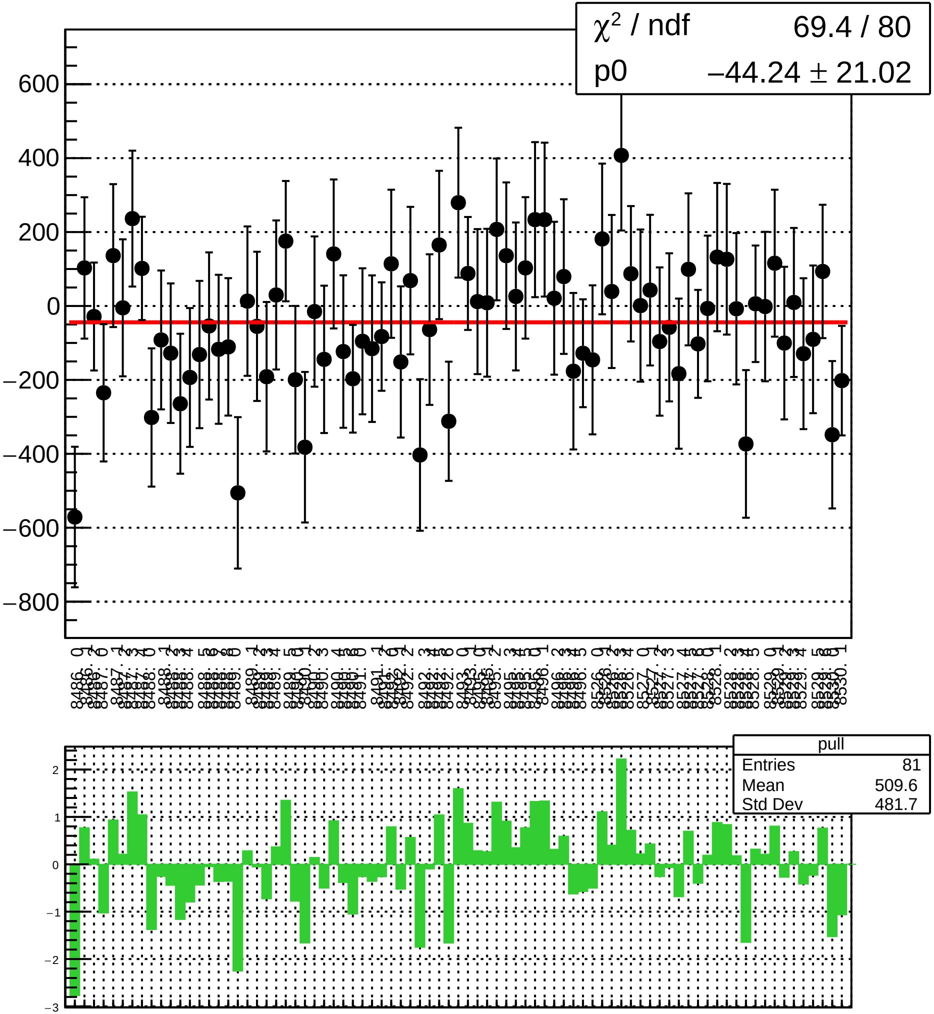
reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ2 / ndf 75.82 / 80
p0 1.16 ± 1.982
pull
Entries 81
Mean −4577
Std Dev 4608
pull1D
Entries 81
Mean 0.001401
Std Dev 0.9675

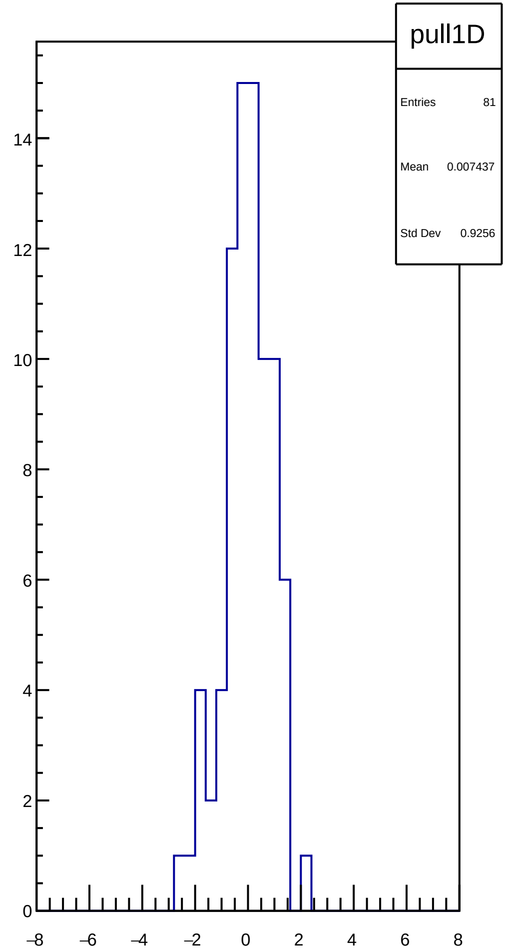


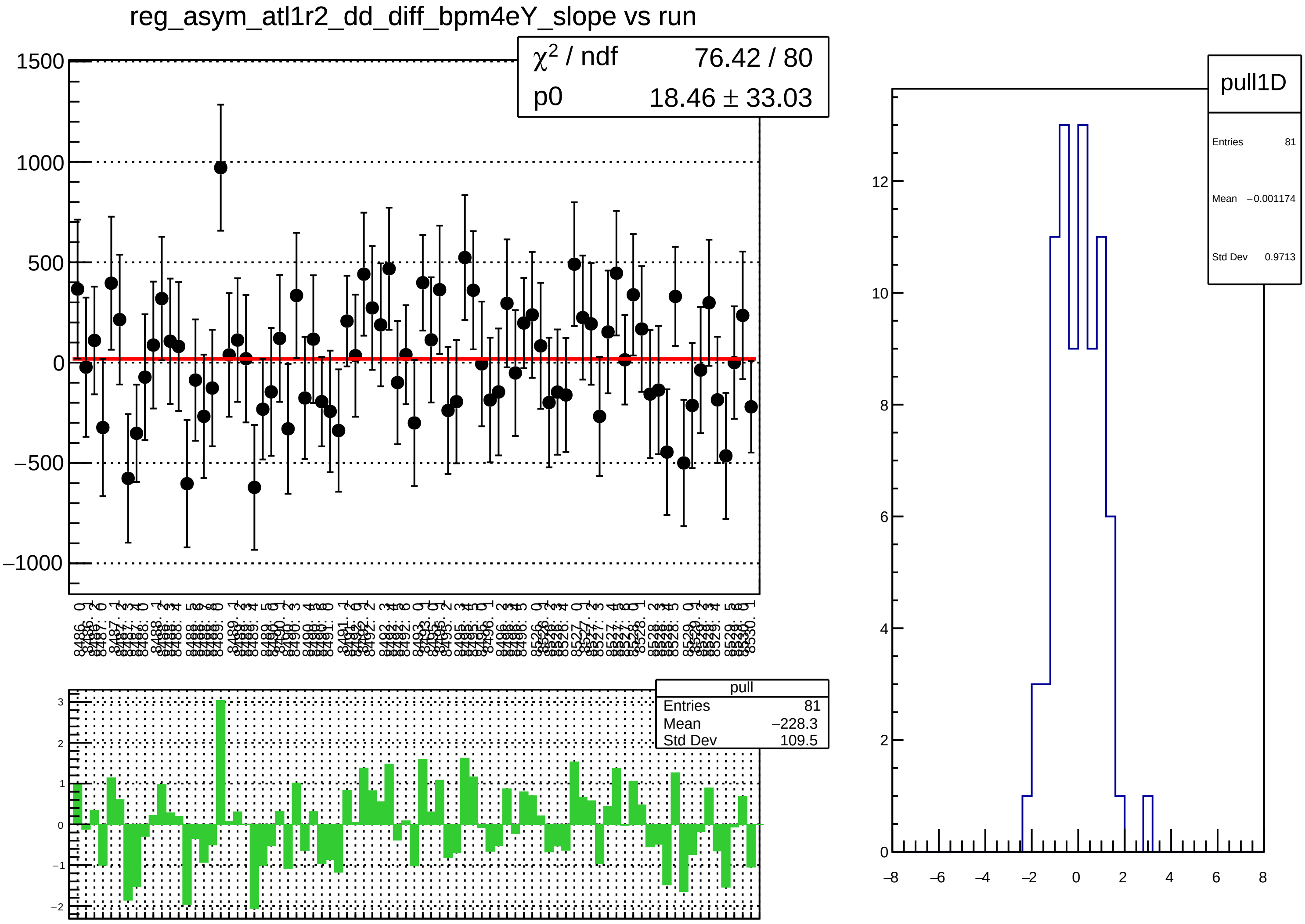
reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 68.71 / 80
p0 40.17 ± 19.49
pull
Entries 81
Mean 271.5
Std Dev 246
pull1D
Entries 81
Mean −0.01088
Std Dev 0.9209


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 80.01 / 80
p0 −13.78 ± 31.21
pull
Entries 81
Mean −38.38
Std Dev 212.9
pull1D
Entries 81
Mean −0.001514
Std Dev 0.9938

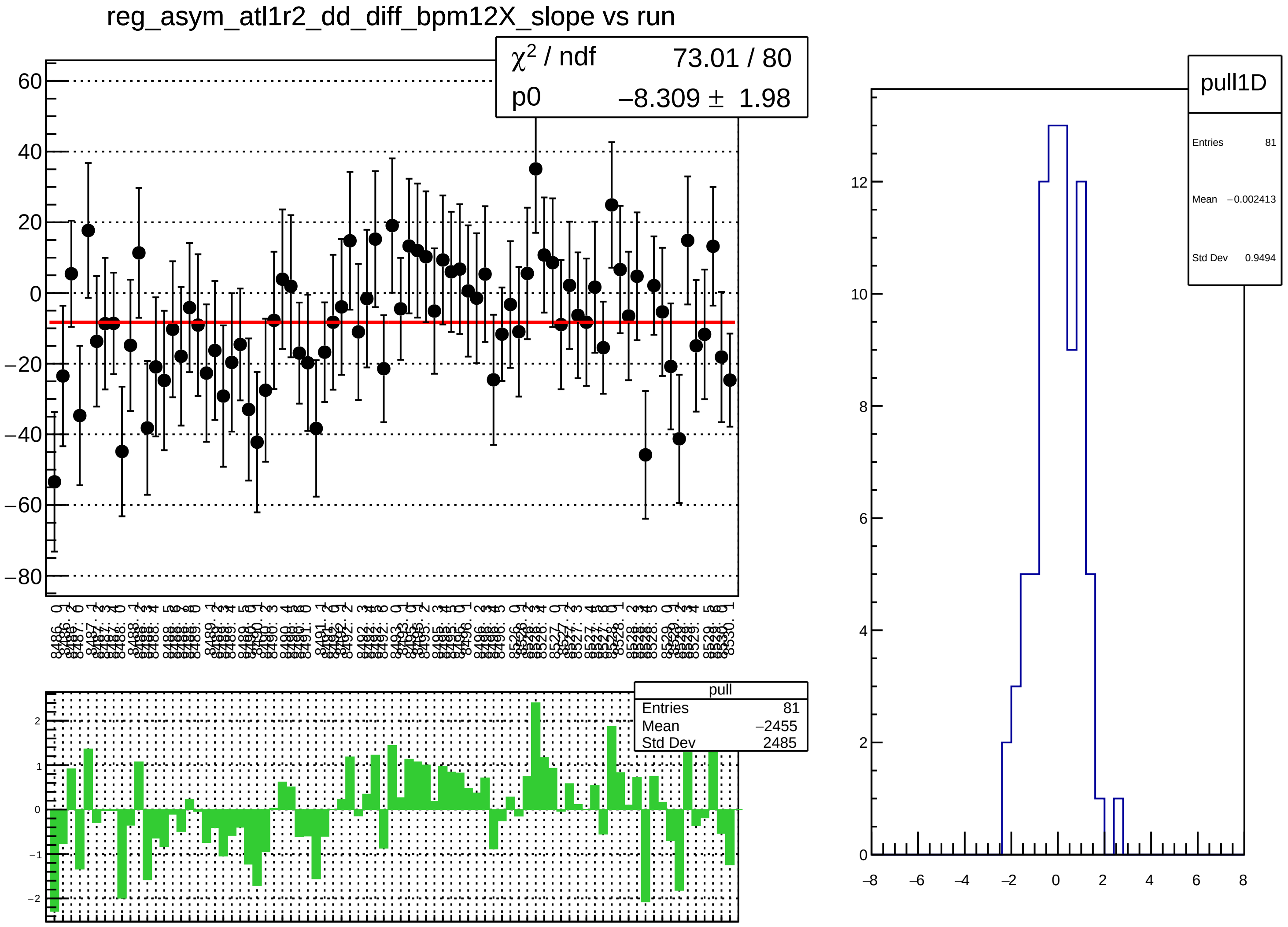
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run

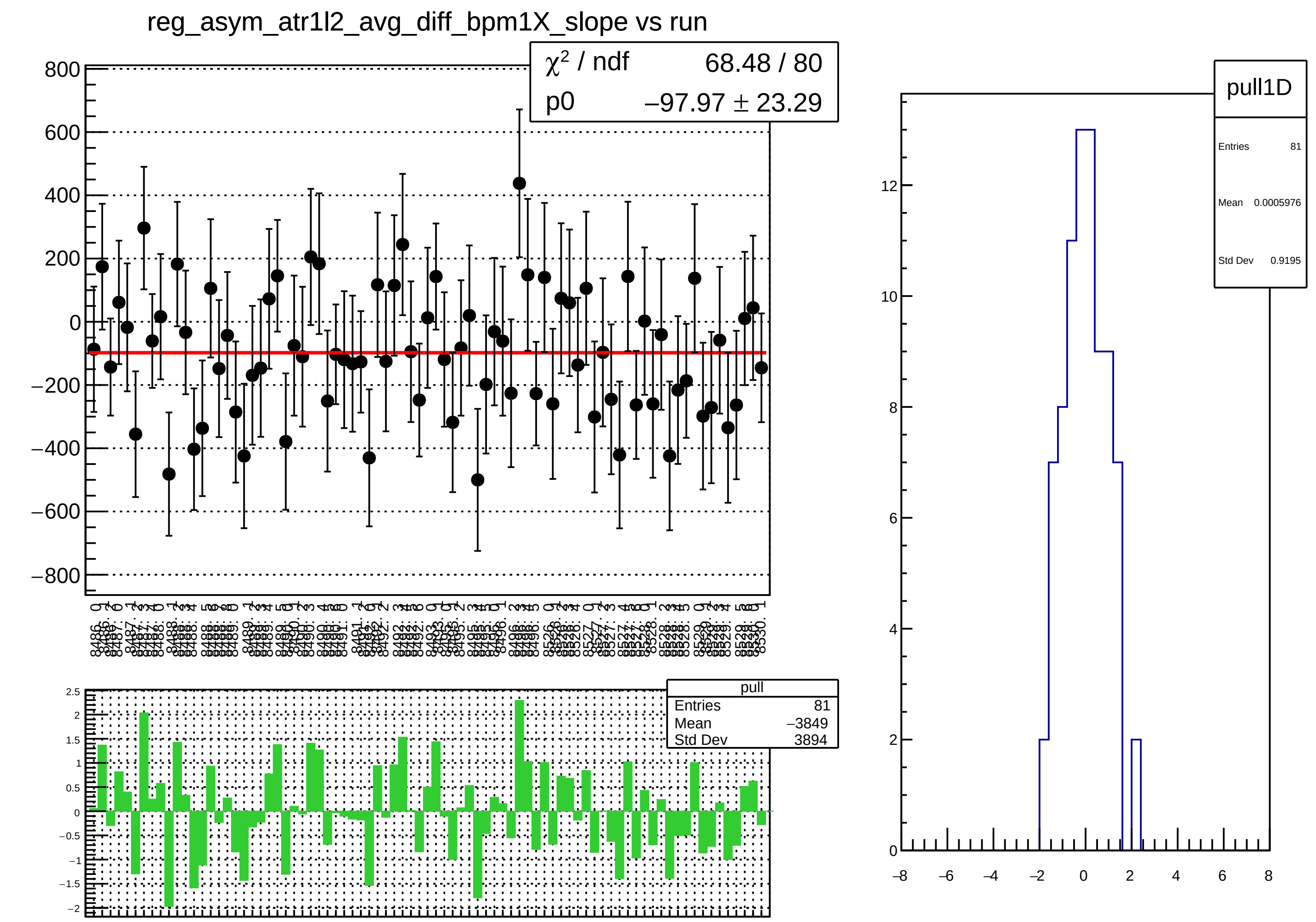


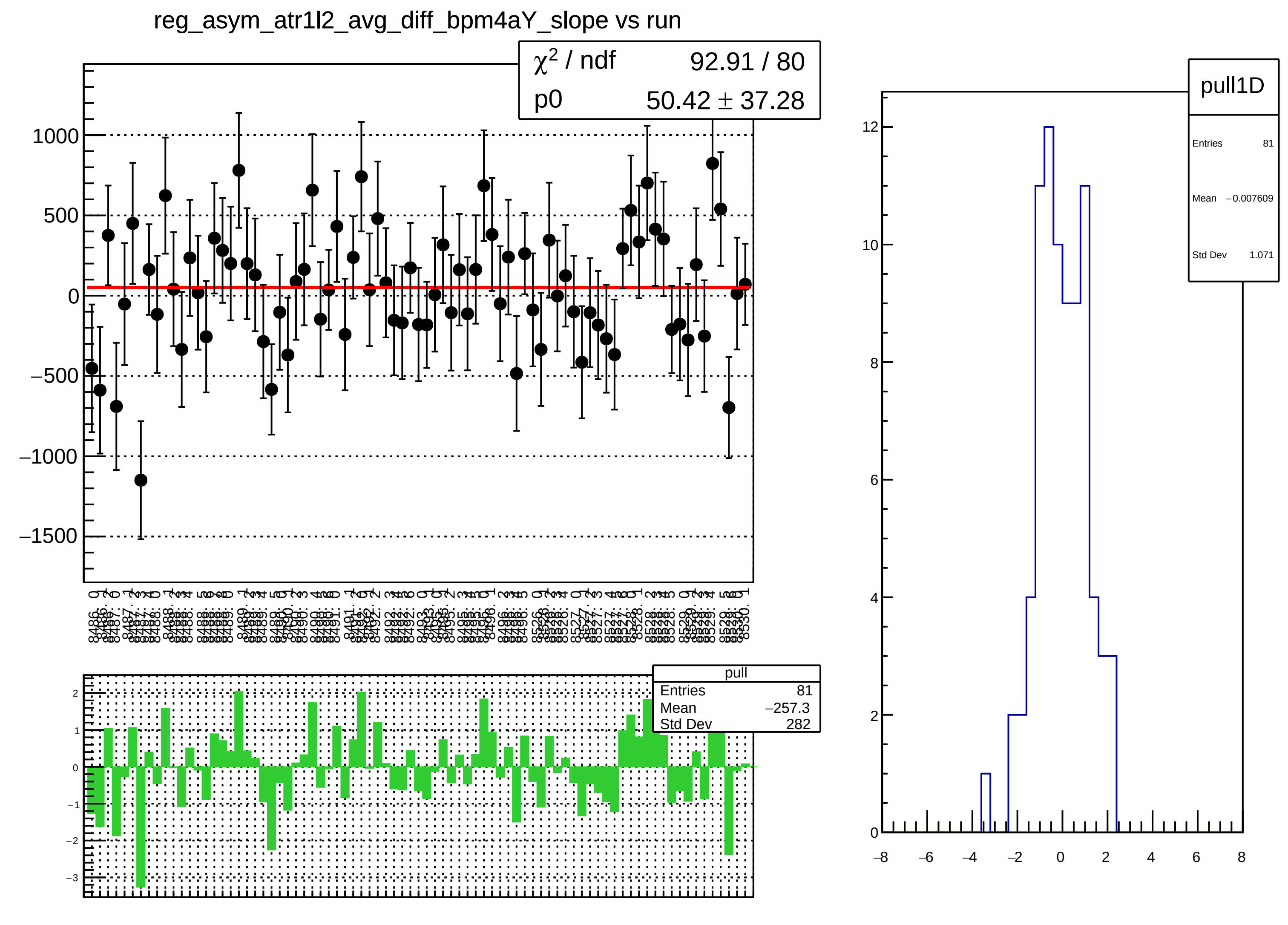


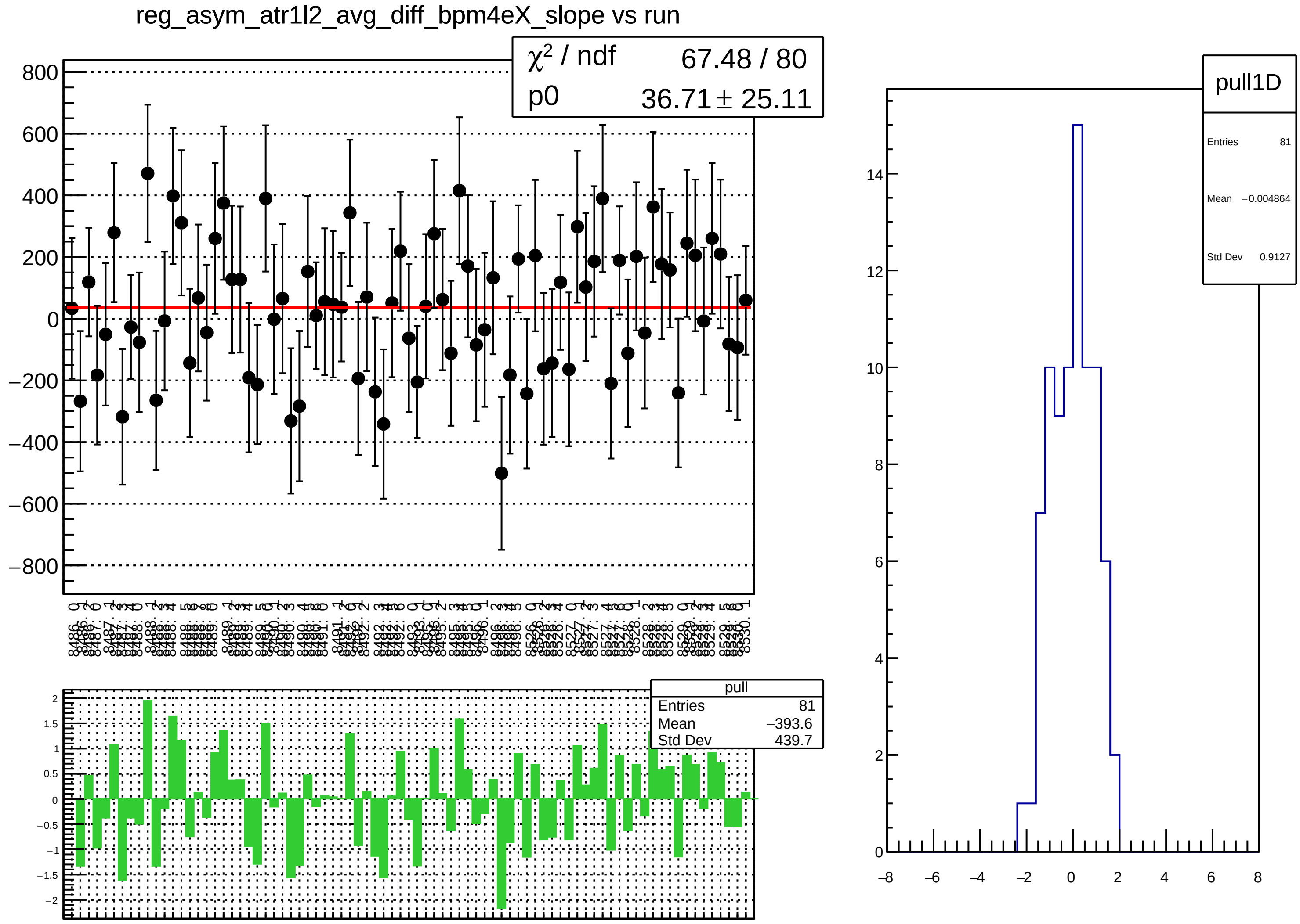


reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 76.42 / 80
p0 18.46 ± 33.03
pull
Entries 81
Mean −228.3
Std Dev 109.5
pull1D
Entries 81
Mean −0.001174
Std Dev 0.9713

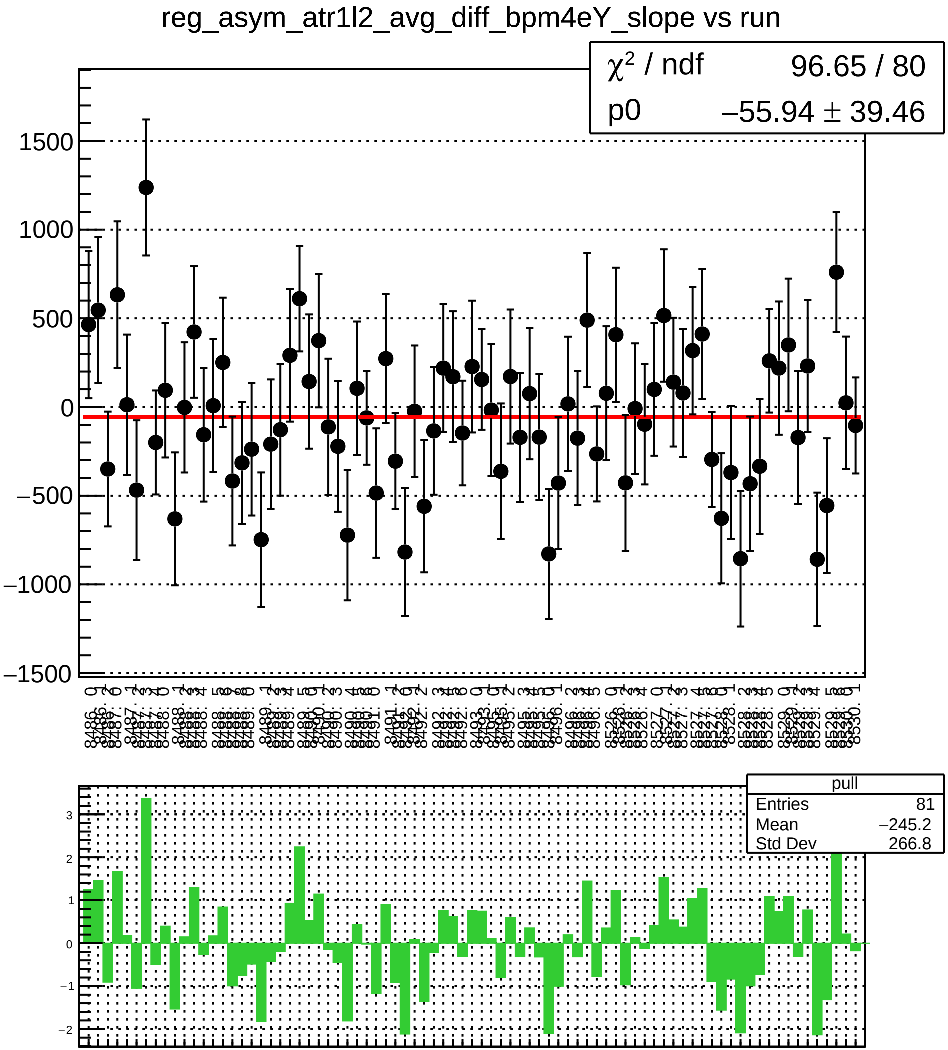

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 73.01 / 80
p0 −8.309 ± 1.98
pull
Entries 81
Mean −2455
Std Dev 2485
pull1D
Entries 81
Mean −0.002413
Std Dev 0.9494


reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 68.48 / 80
p0 −97.97 ± 23.29
pull
Entries 81
Mean −3849
Std Dev 3894
pull1D
Entries 81
Mean 0.0005976
Std Dev 0.9195

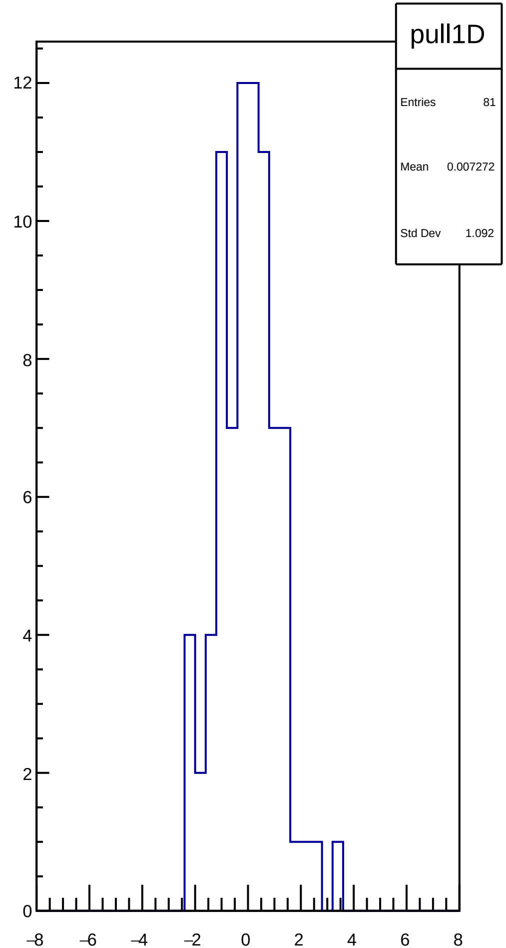

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 92.91 / 80
p0 50.42 ± 37.28
pull
Entries 81
Mean −257.3
Std Dev 282
pull1D
Entries 81
Mean −0.007609
Std Dev 1.071



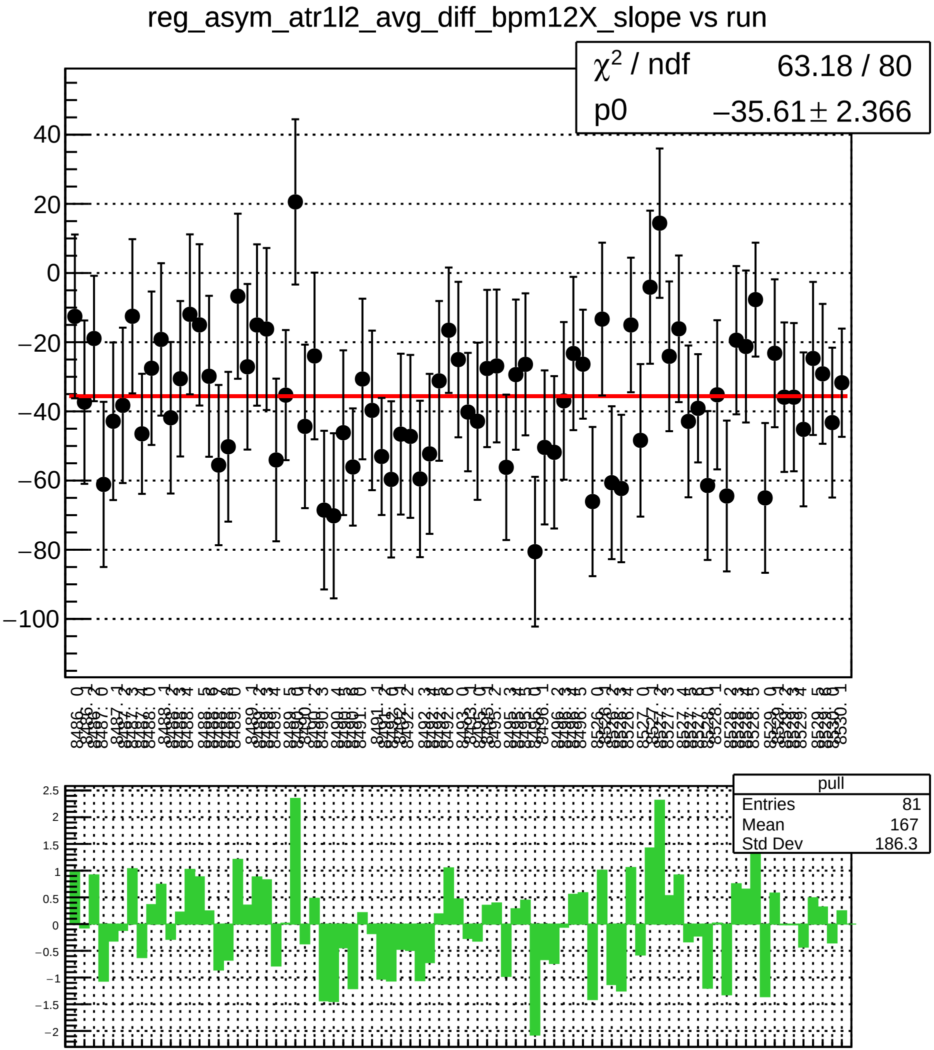
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 67.48 / 80
p0 36.71 ± 25.11
pull
Entries 81
Mean −393.6
Std Dev 439.7
pull1D
Entries 81
Mean −0.004864
Std Dev 0.9127



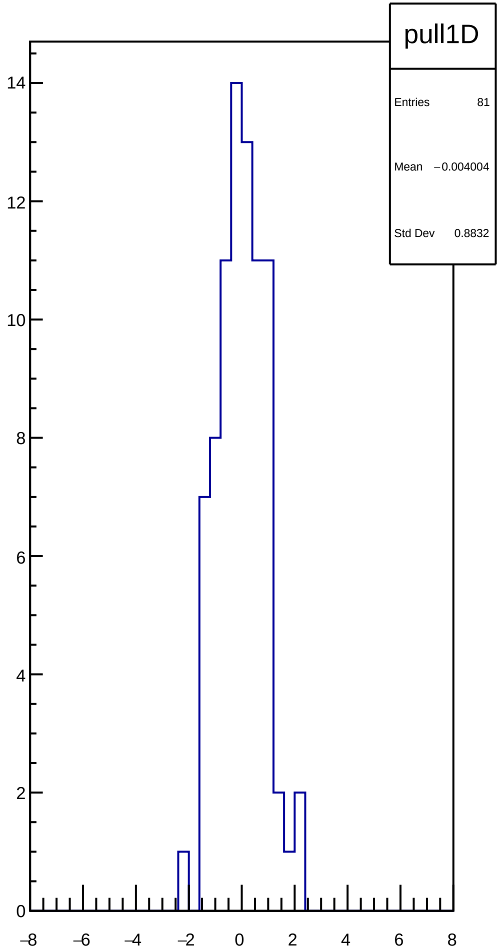
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 96.65 / 80
p0 −55.94 ± 39.46
pull
Entries 81
Mean −245.2
Std Dev 266.8



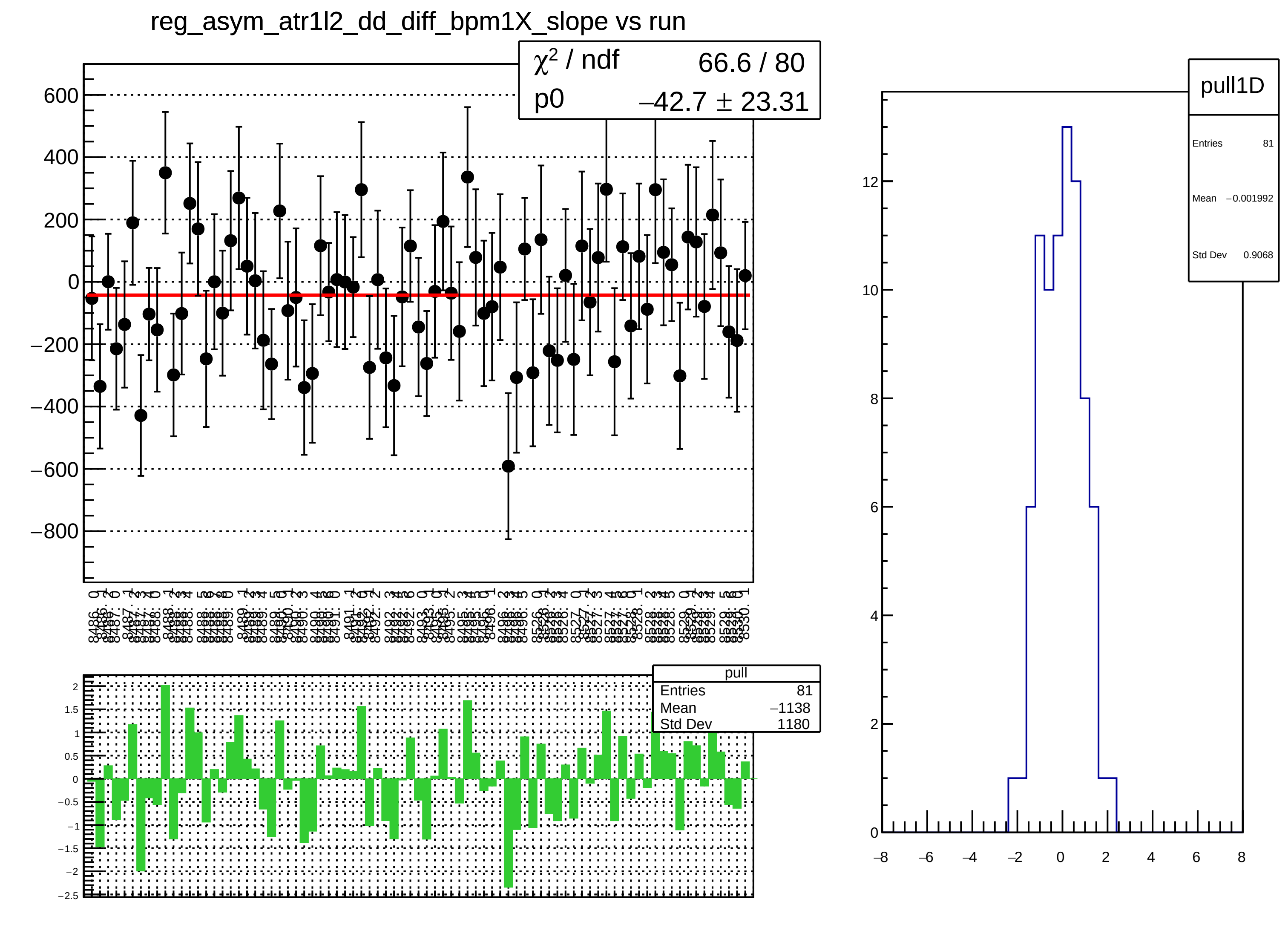
pull1D
Entries 81
Mean 0.007272
Std Dev 1.092



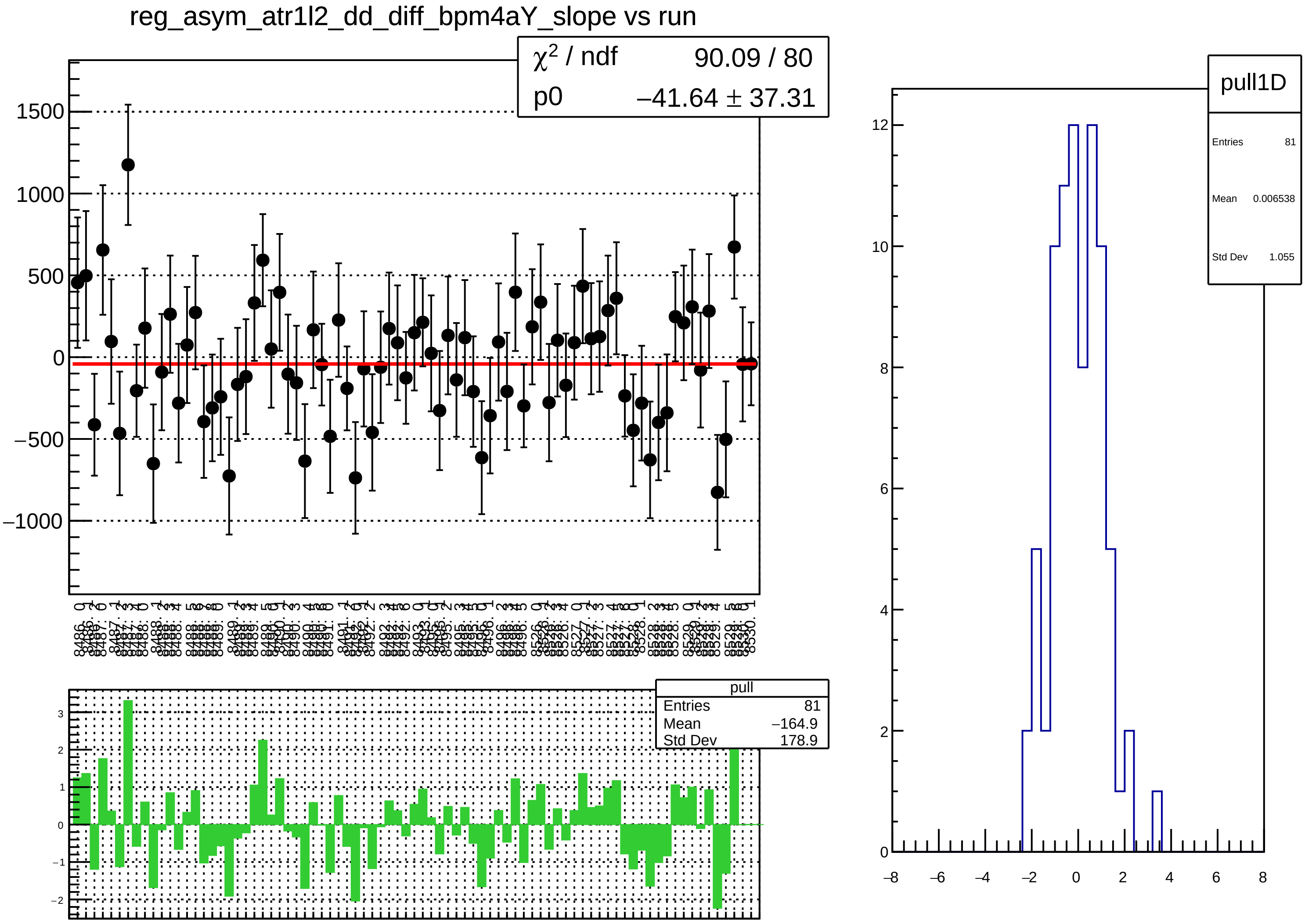
reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 63.18 / 80
p0 −35.61 ± 2.366
pull
Entries 81
Mean 167
Std Dev 186.3

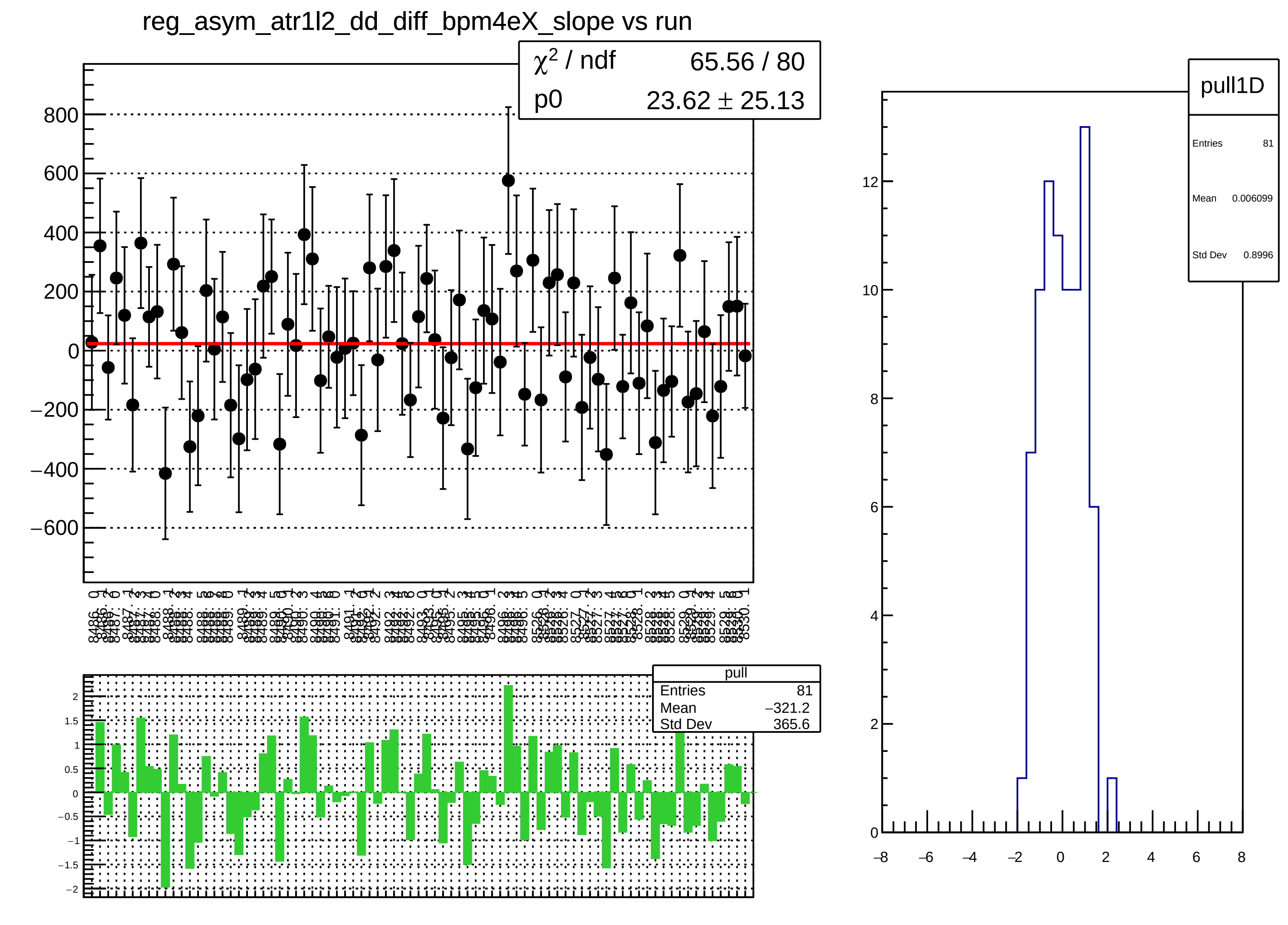


pull1D
Entries 81
Mean −0.004004
Std Dev 0.8832

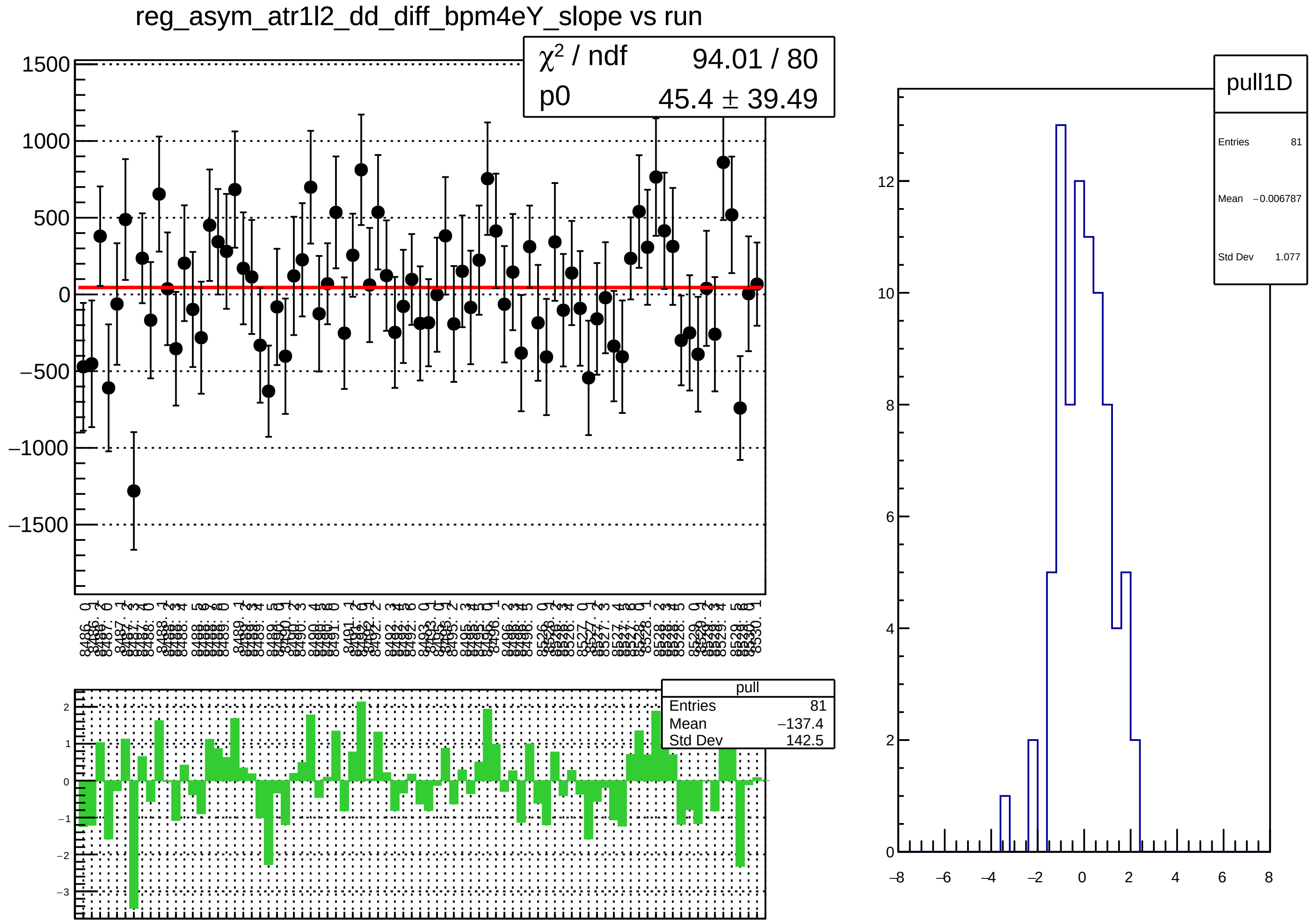


reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 66.6 / 80
p0 −42.7 ± 23.31
pull
Entries 81
Mean −1138
Std Dev 1180
pull1D
Entries 81
Mean −0.001992
Std Dev 0.9068

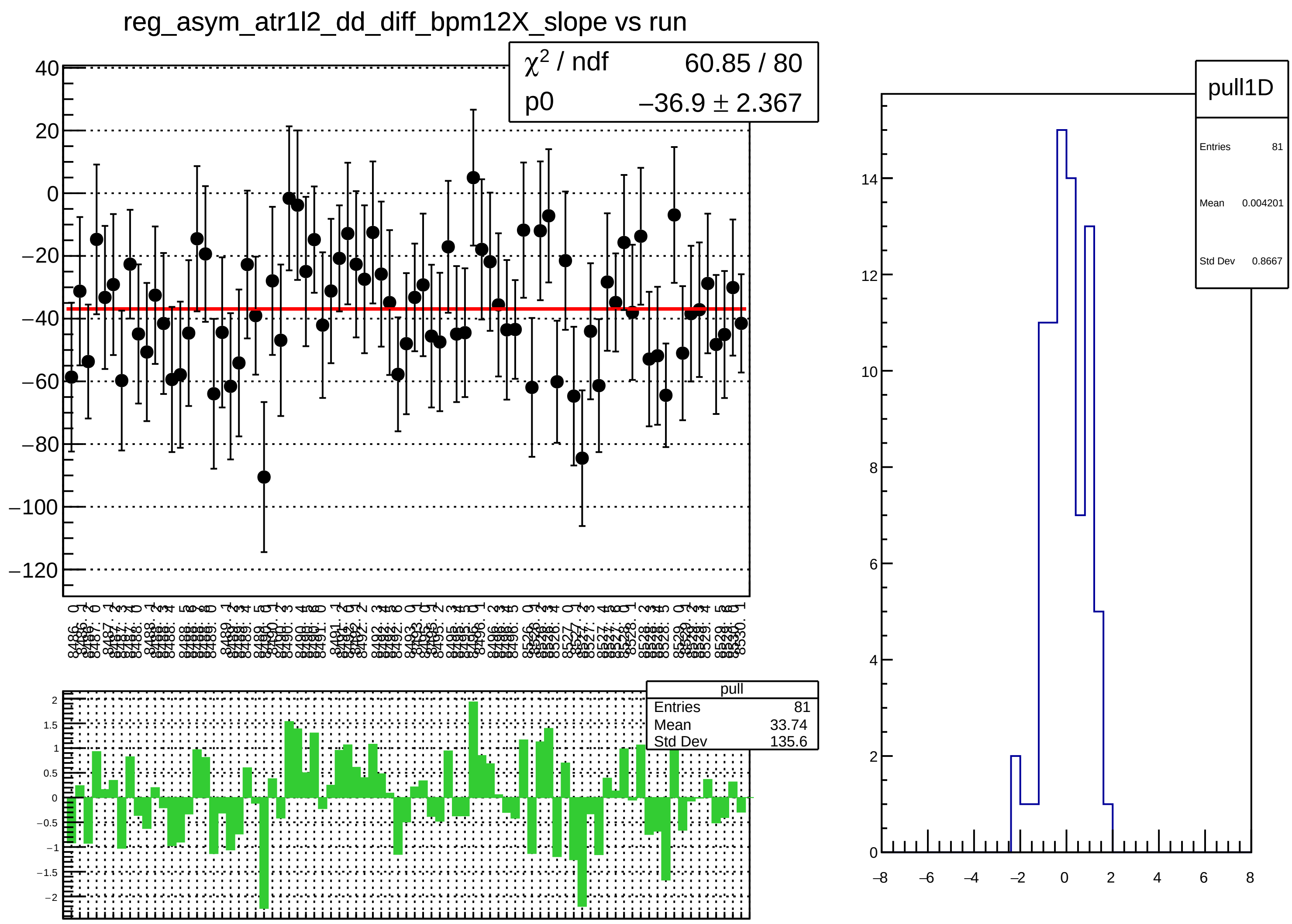

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 90.09 / 80
p0 −41.64 ± 37.31
pull
Entries 81
Mean −164.9
Std Dev 178.9
pull1D
Entries 81
Mean 0.006538
Std Dev 1.055

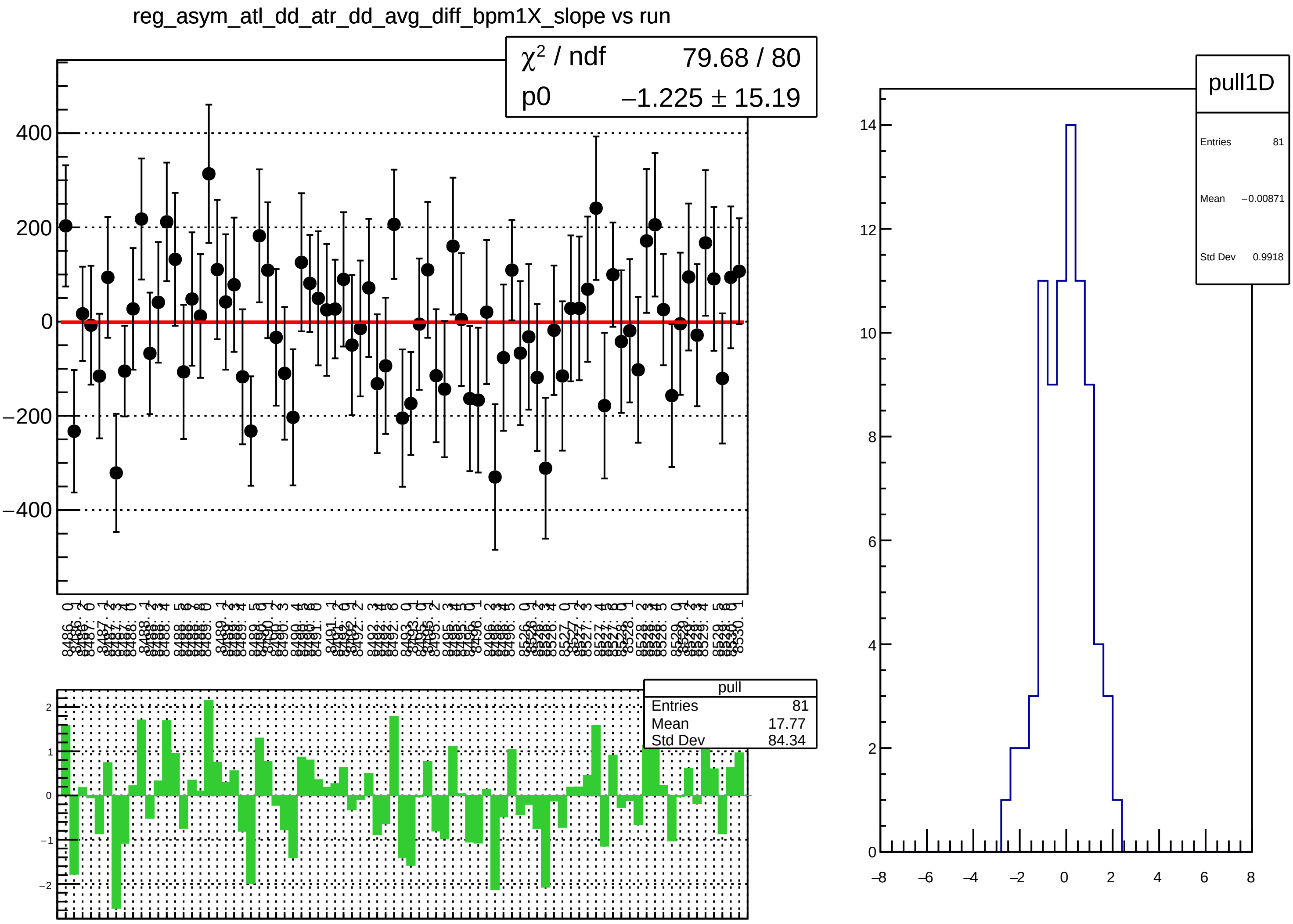


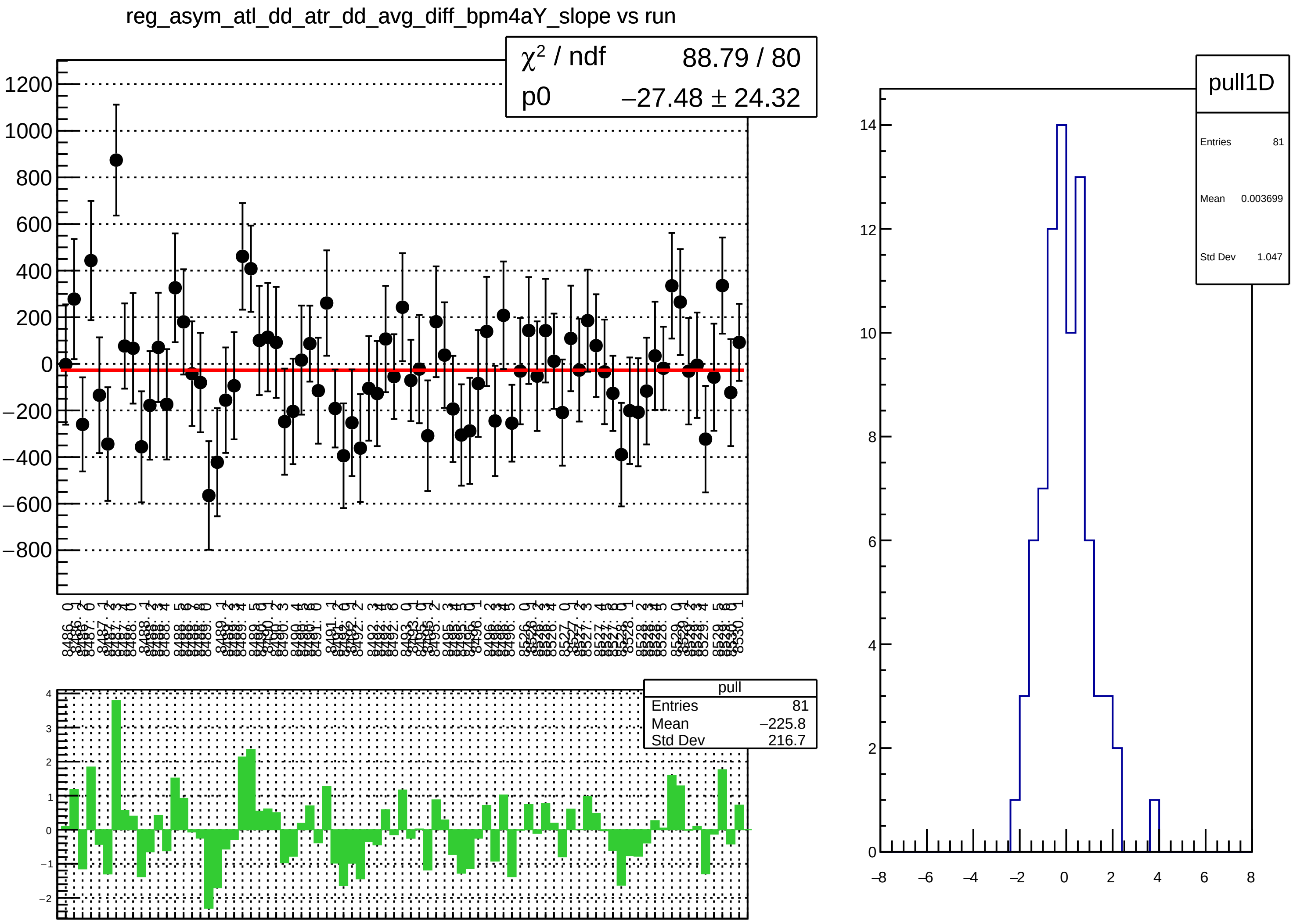
reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 65.56 / 80
p0 23.62 ± 25.13
pull
Entries 81
Mean −321.2
Std Dev 365.6
pull1D
Entries 81
Mean 0.006099
Std Dev 0.8996



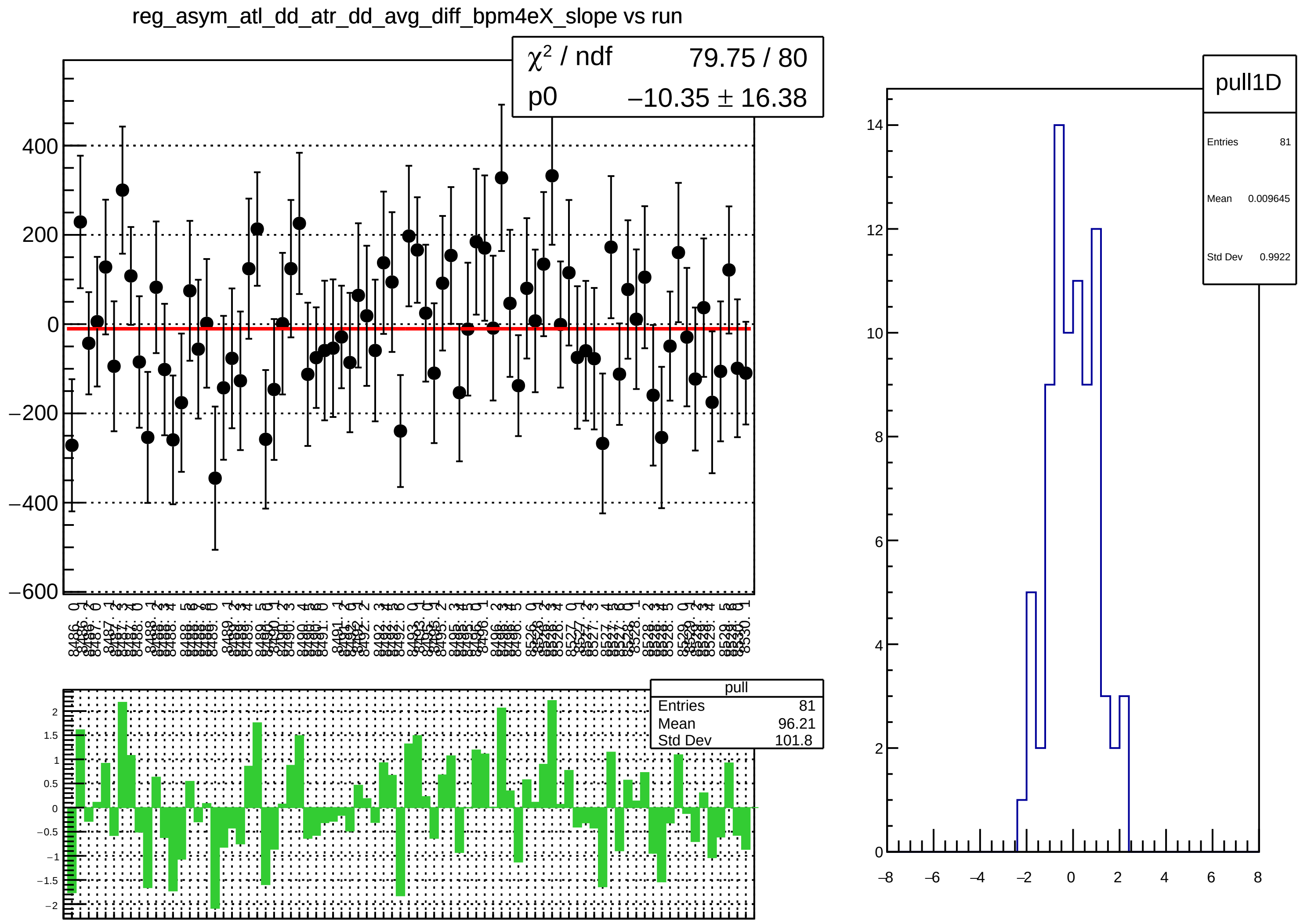
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 94.01 / 80
p0 45.4 ± 39.49
pull
Entries 81
Mean −137.4
Std Dev 142.5
pull1D
Entries 81
Mean −0.006787
Std Dev 1.077

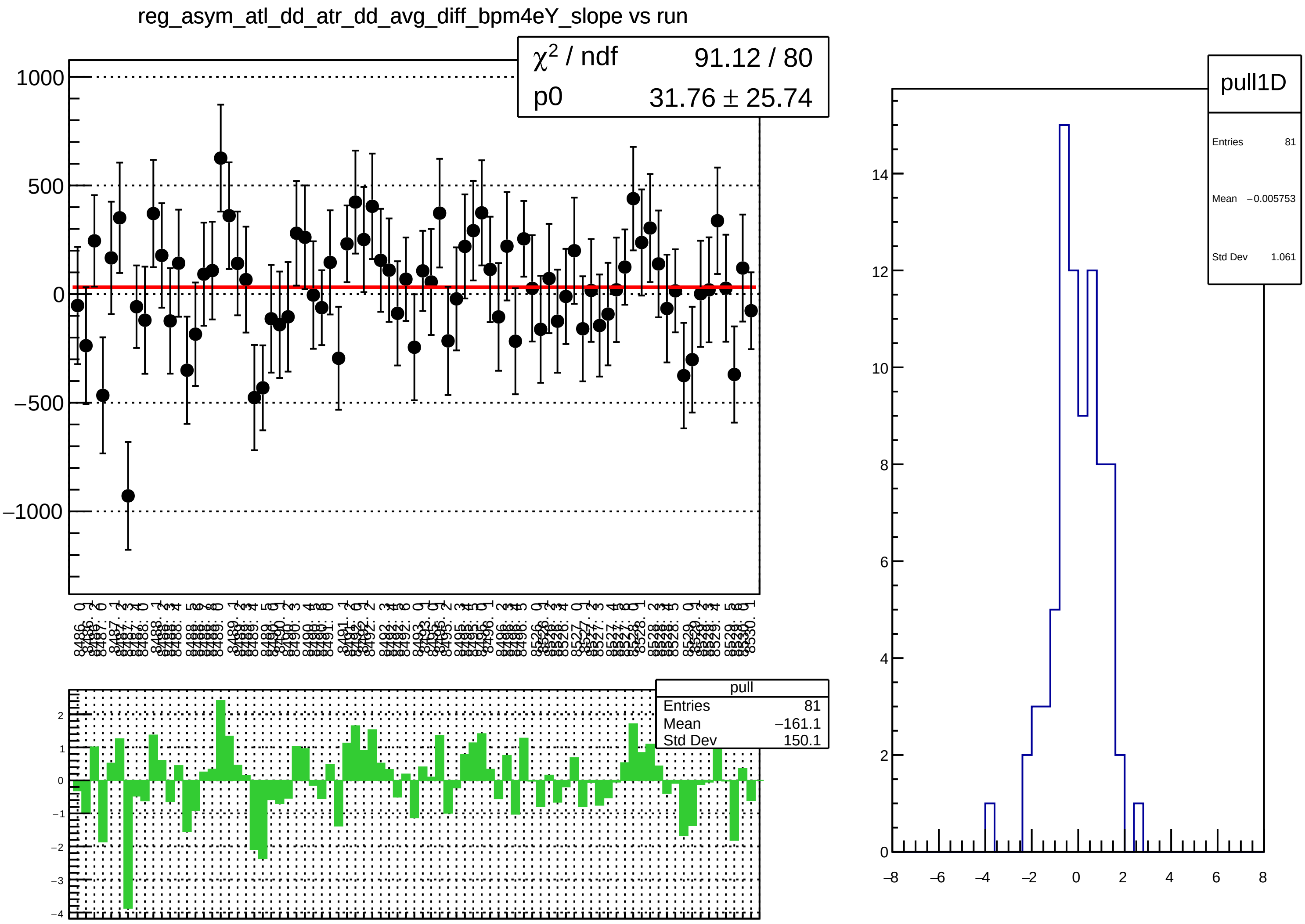

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 60.85 / 80
p0 −36.9 ± 2.367
pull
Entries 81
Mean 33.74
Std Dev 135.6
pull1D
Entries 81
Mean 0.004201
Std Dev 0.8667


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 79.68 / 80
p0 −1.225 ± 15.19
400
200
0
−200
−400
pull
Entries 81
Mean 17.77
Std Dev 84.34
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.00871
Std Dev 0.9918
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

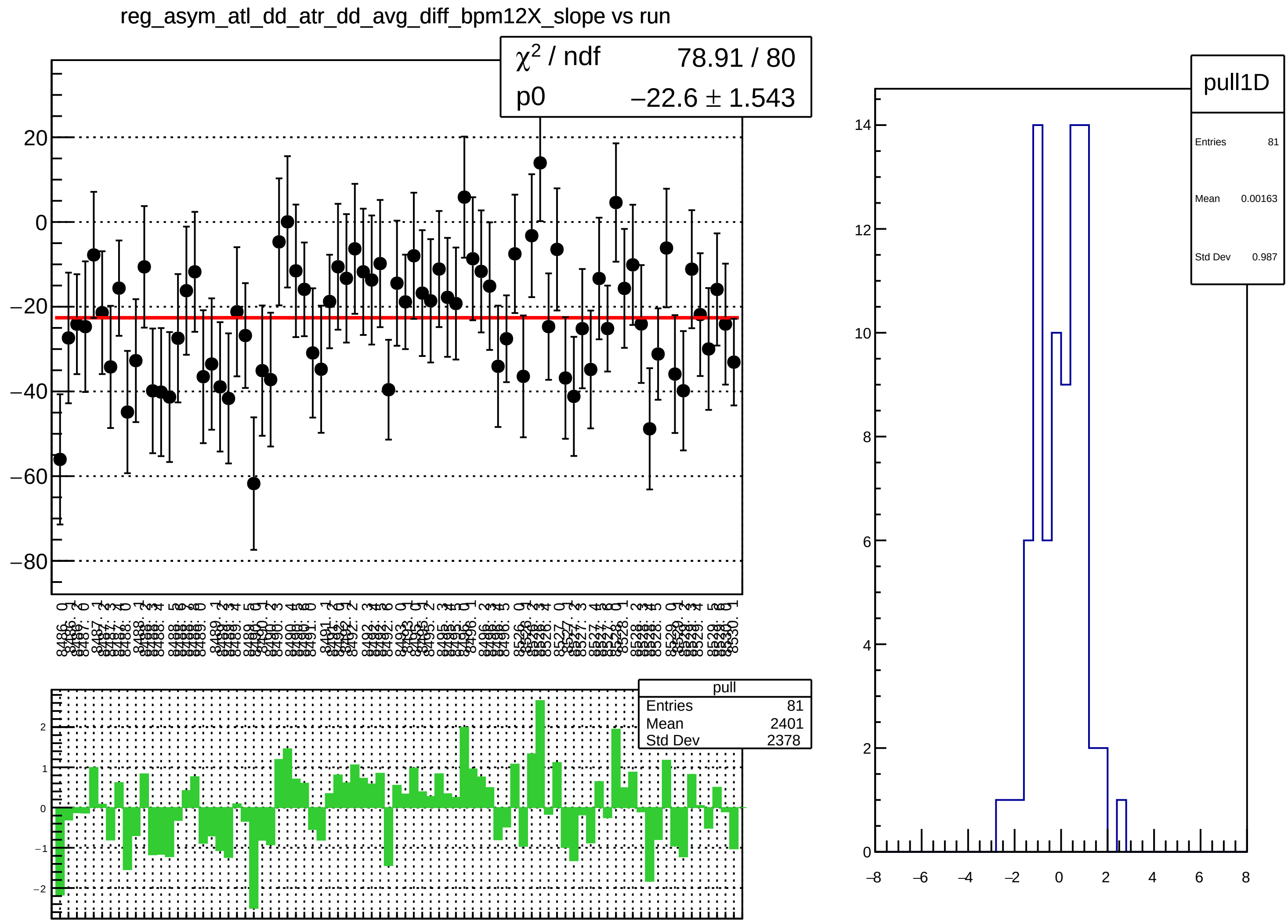


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 88.79 / 80
p0 −27.48 ± 24.32
pull
Entries 81
Mean −225.8
Std Dev 216.7
pull1D
Entries 81
Mean 0.003699
Std Dev 1.047


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 79.75 / 80
p0 −10.35 ± 16.38
pull
Entries 81
Mean 96.21
Std Dev 101.8
pull1D
Entries 81
Mean 0.009645
Std Dev 0.9922

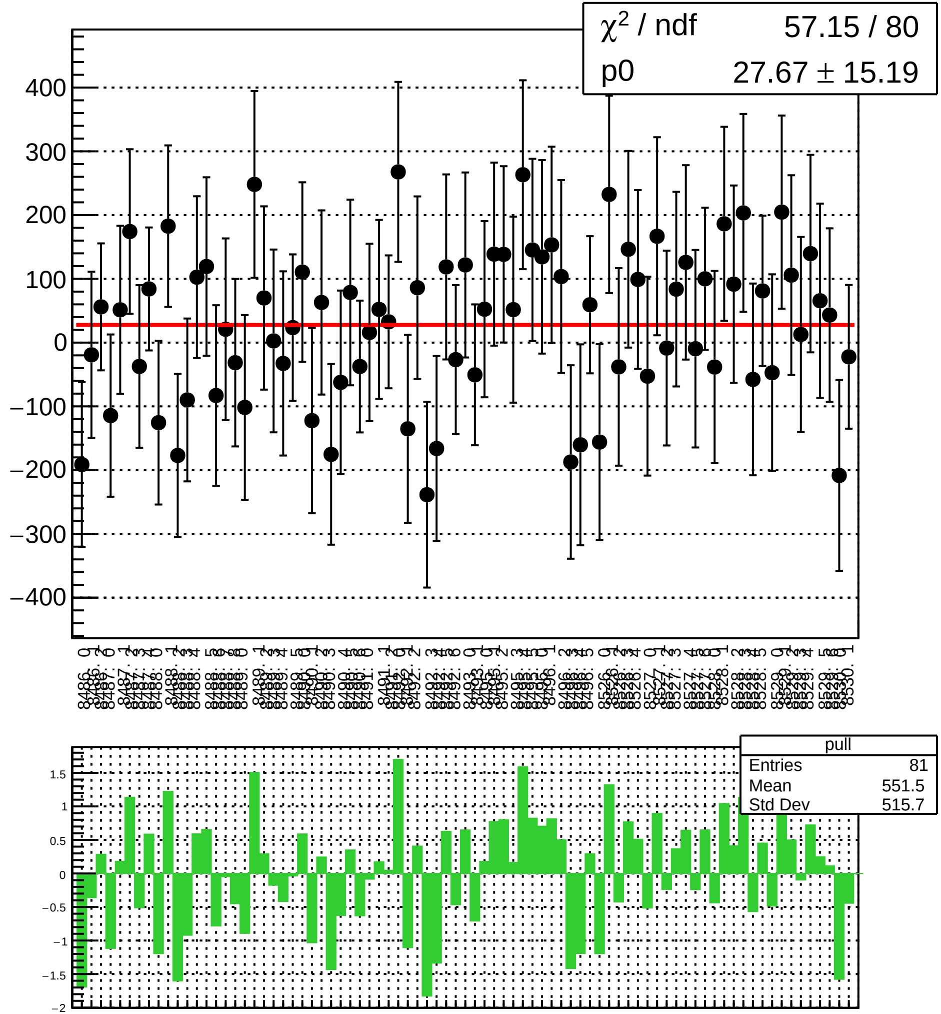


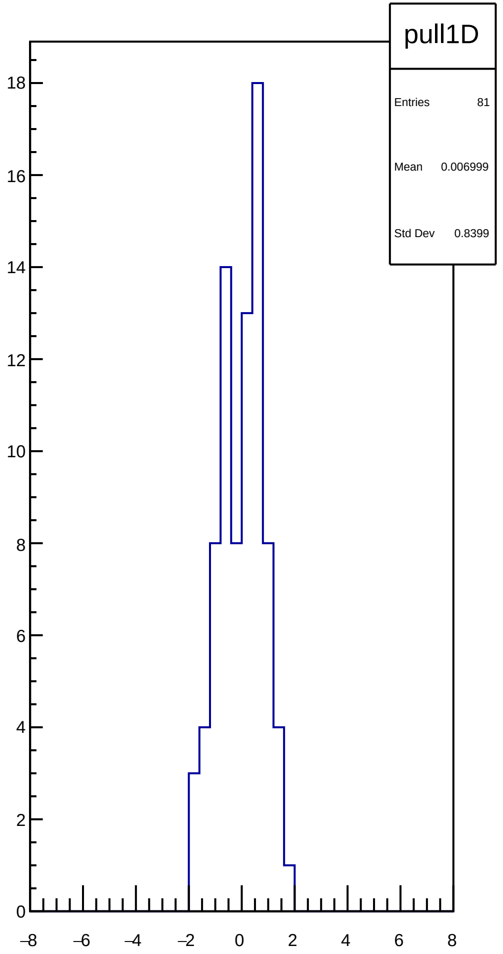
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 91.12 / 80
p0 31.76 ± 25.74
pull
Entries 81
Mean −161.1
Std Dev 150.1
pull1D
Entries 81
Mean −0.005753
Std Dev 1.061

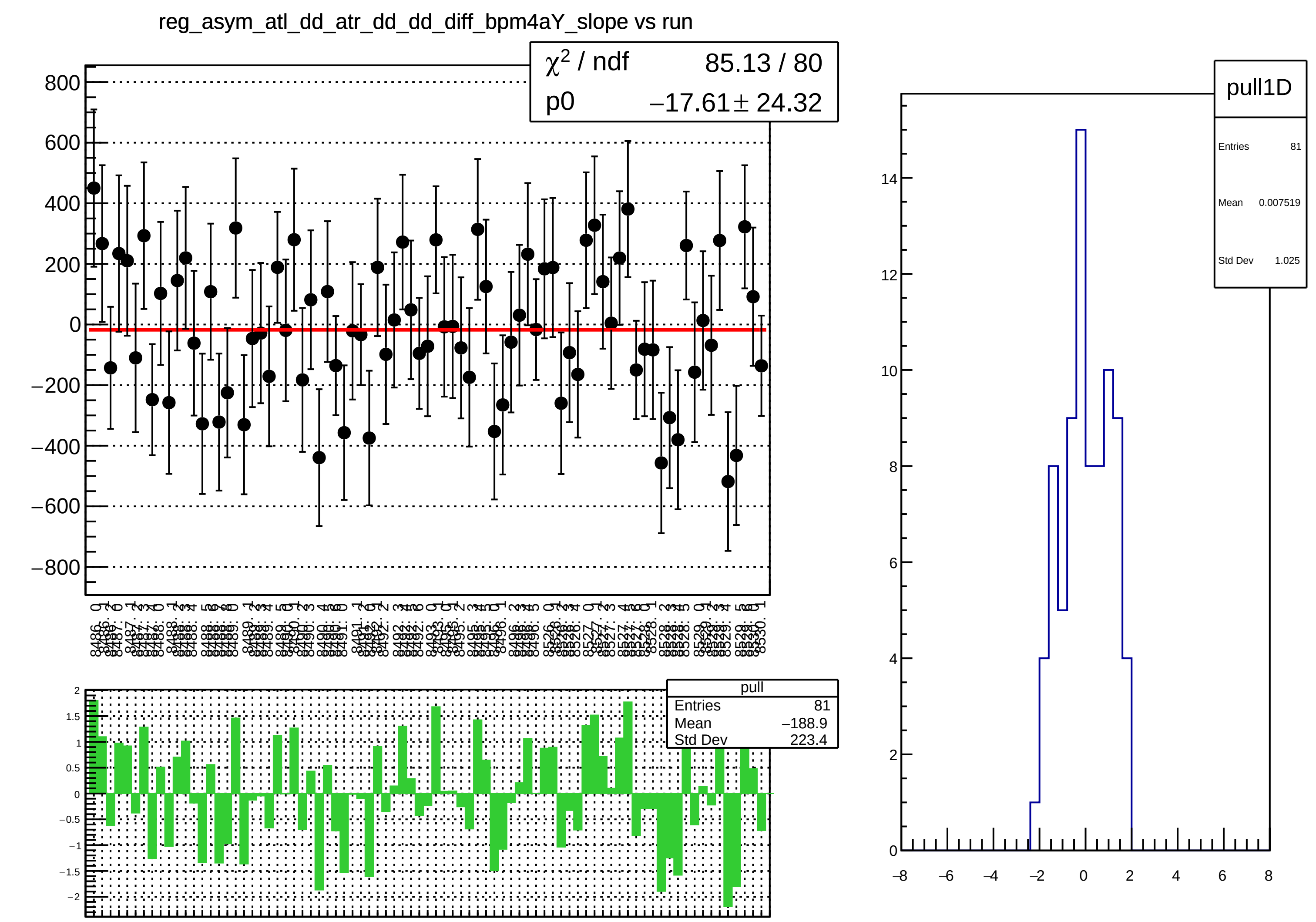


reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 78.91 / 80
p0 −22.6 ± 1.543
pull
Entries 81
Mean 2401
Std Dev 2378
pull1D
Entries 81
Mean 0.00163
Std Dev 0.987

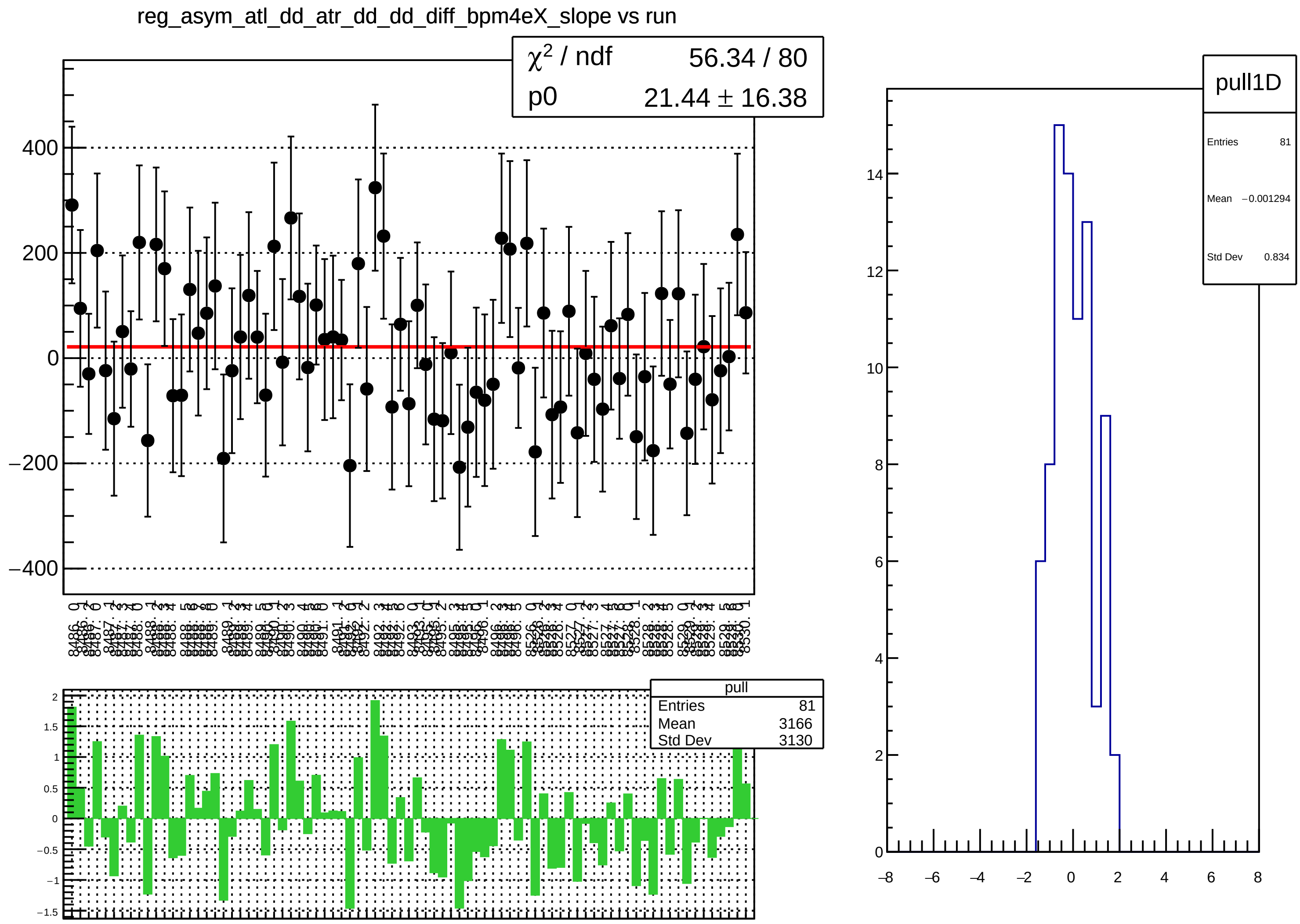
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run



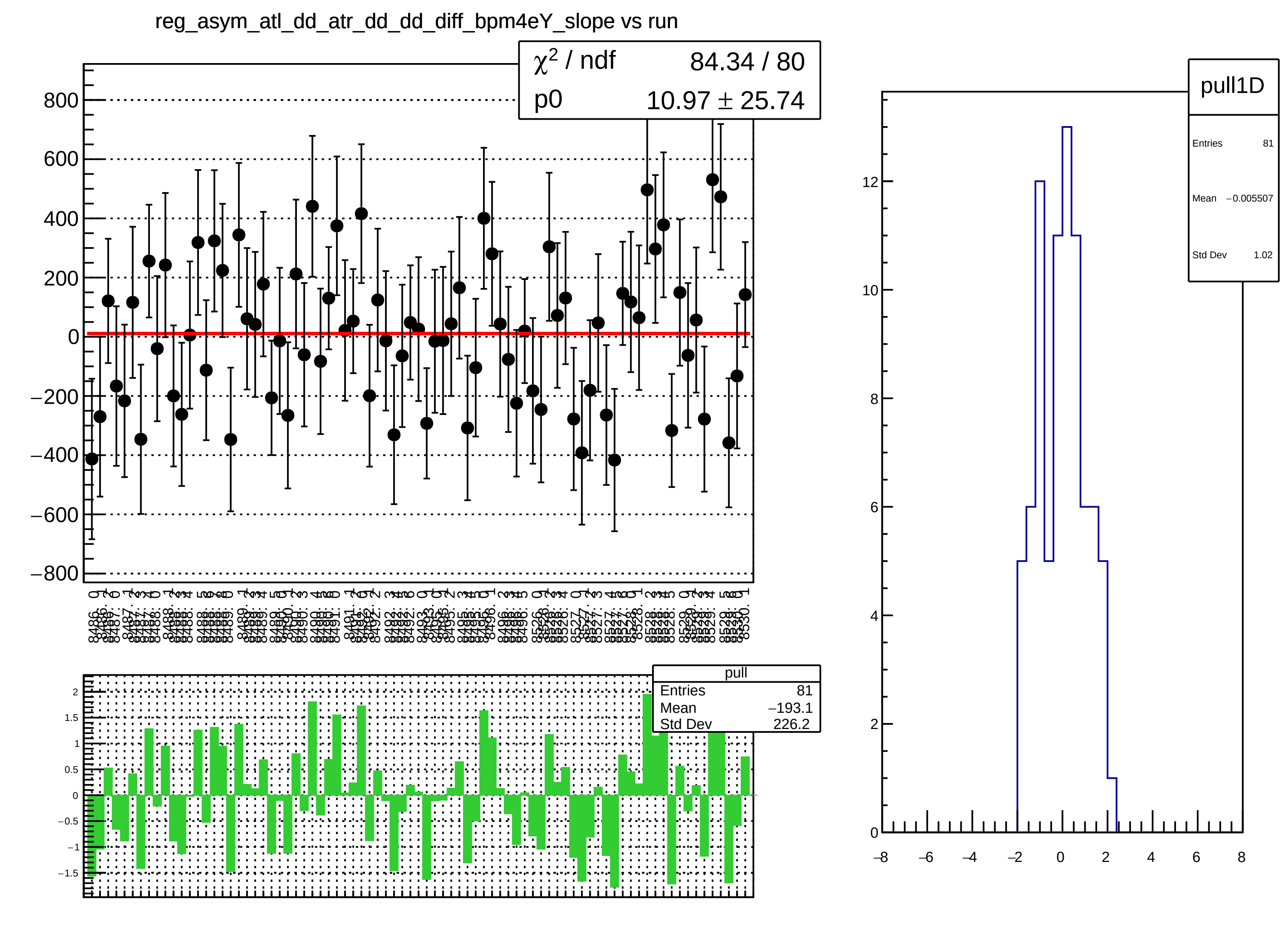




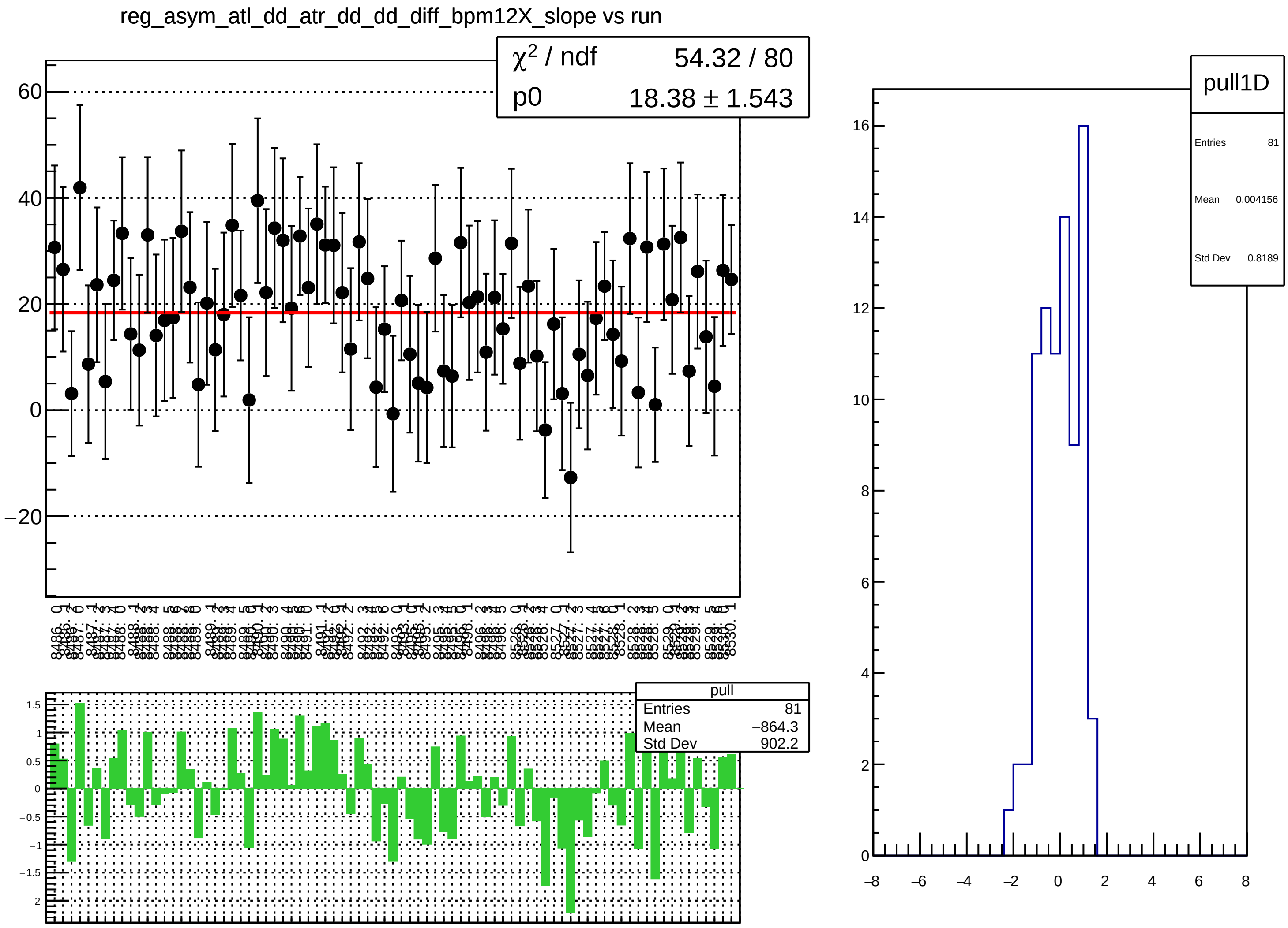
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 85.13 / 80
p0 −17.61 ± 24.32
pull
Entries 81
Mean −188.9
Std Dev 223.4
pull1D
Entries 81
Mean 0.007519
Std Dev 1.025

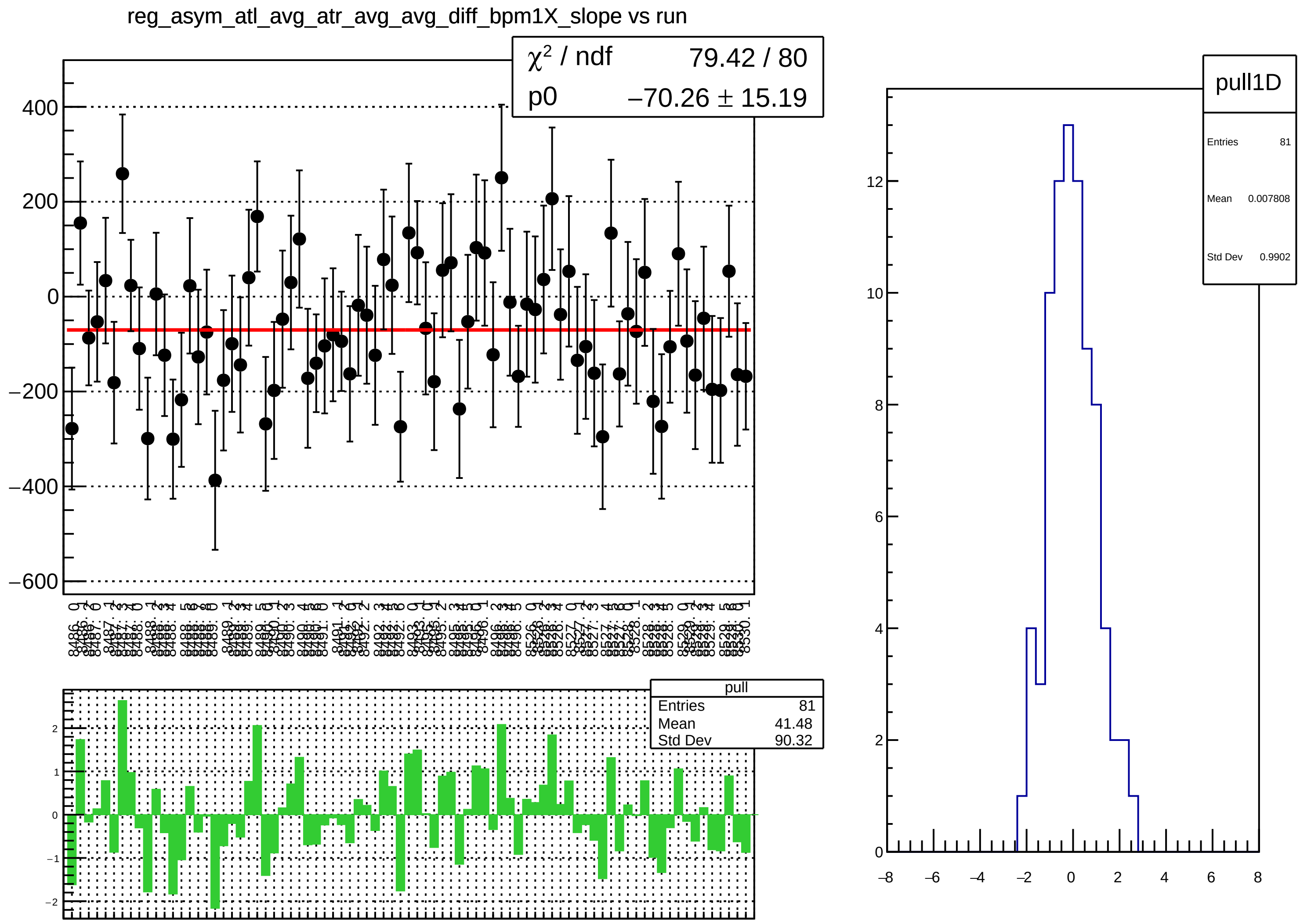


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 56.34 / 80
p0 21.44 ± 16.38
pull
Entries 81
Mean 3166
Std Dev 3130
pull1D
Entries 81
Mean −0.001294
Std Dev 0.834

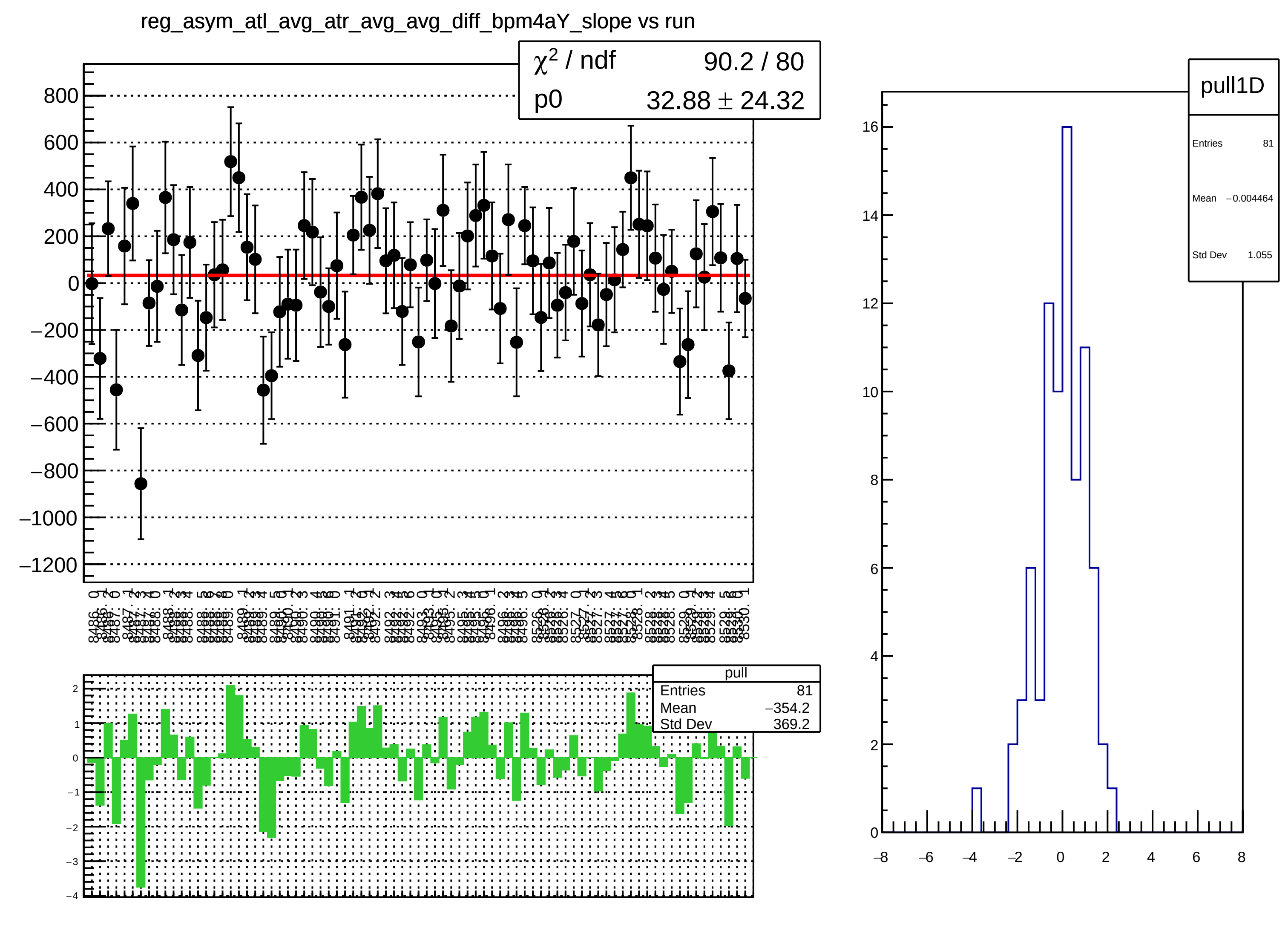


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 84.34 / 80
p0 10.97 ± 25.74
pull
Entries 81
Mean −193.1
Std Dev 226.2
pull1D
Entries 81
Mean −0.005507
Std Dev 1.02

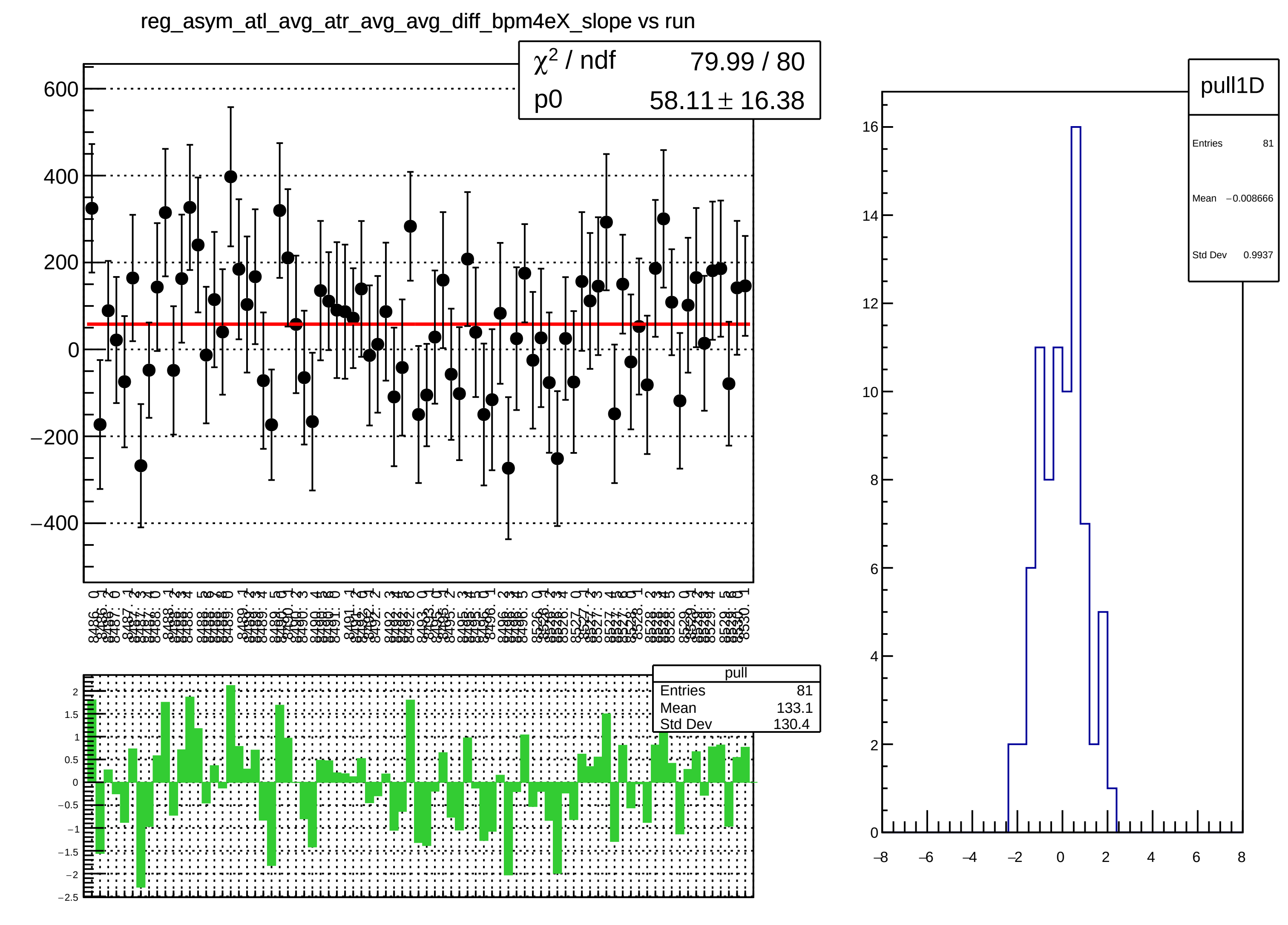

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 54.32 / 80
p0 18.38 ± 1.543
pull
Entries 81
Mean −864.3
Std Dev 902.2
pull1D
Entries 81
Mean 0.004156
Std Dev 0.8189



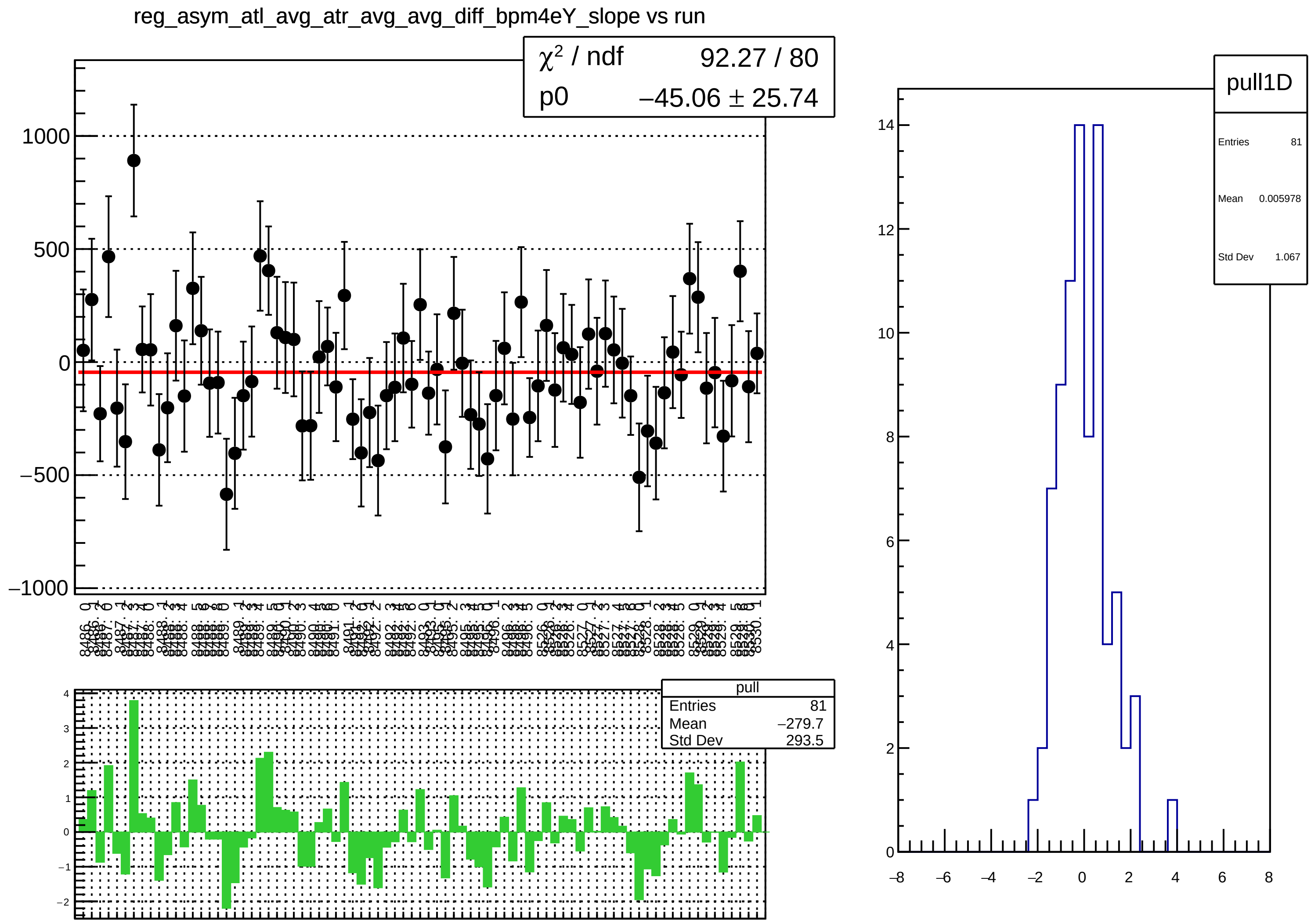
reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 79.42 / 80
p0 −70.26 ± 15.19
pull
Entries 81
Mean 41.48
Std Dev 90.32
pull1D
Entries 81
Mean 0.007808
Std Dev 0.9902



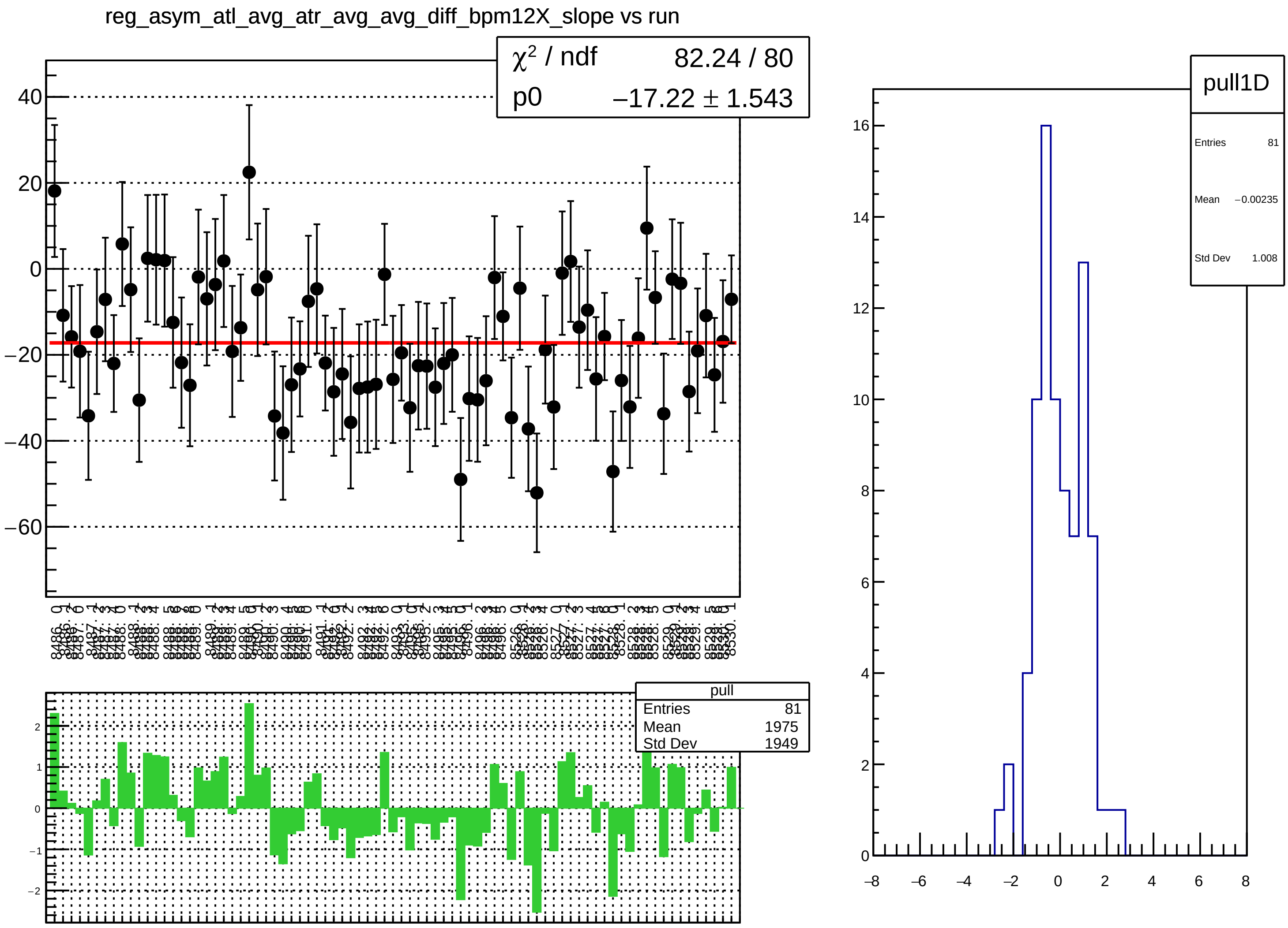
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 90.2 / 80
p0 32.88 ± 24.32
pull
Entries 81
Mean −354.2
Std Dev 369.2
pull1D
Entries 81
Mean −0.004464
Std Dev 1.055



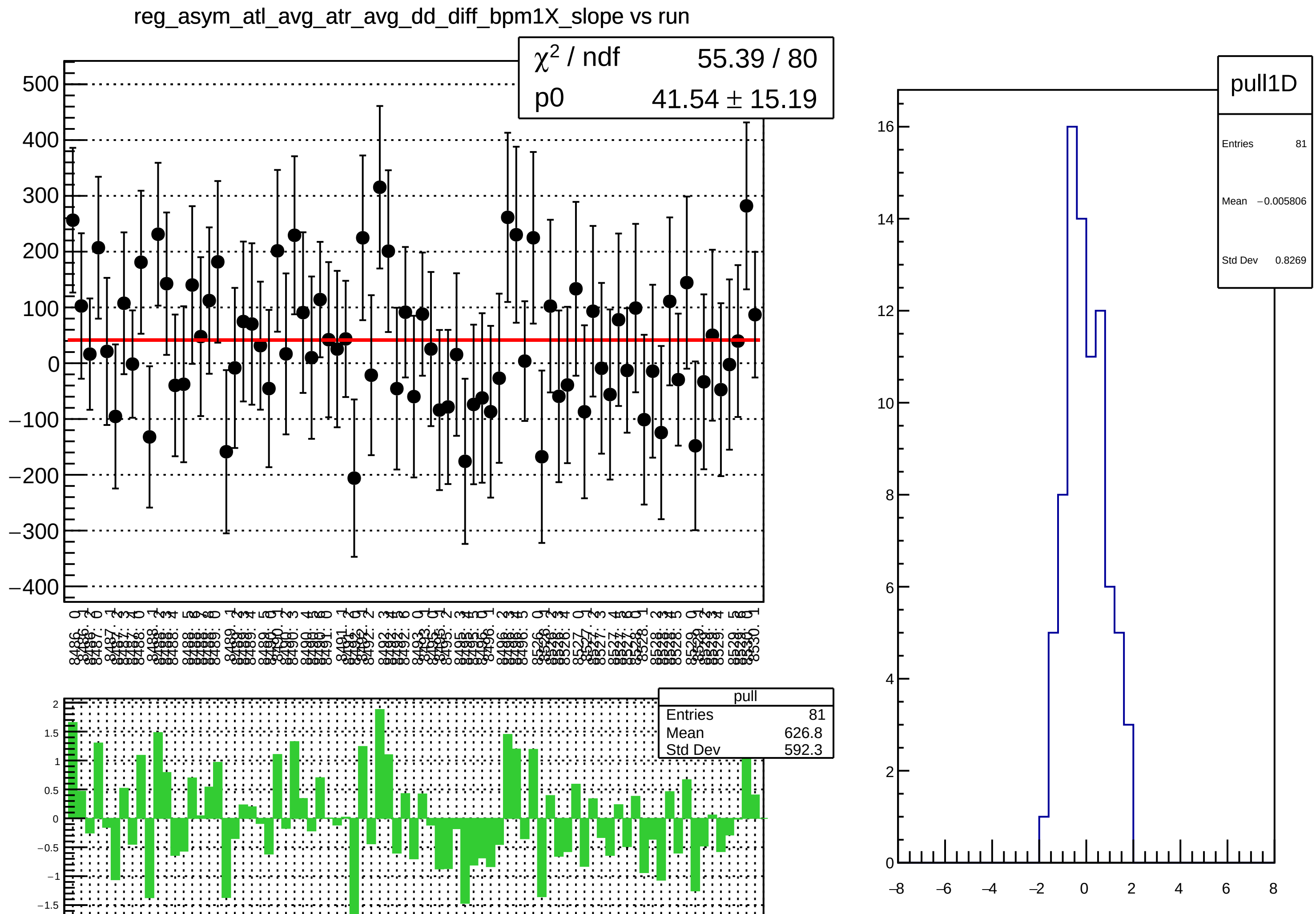
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 79.99 / 80
p0 58.11 ± 16.38
pull
Entries 81
Mean 133.1
Std Dev 130.4
pull1D
Entries 81
Mean −0.008666
Std Dev 0.9937



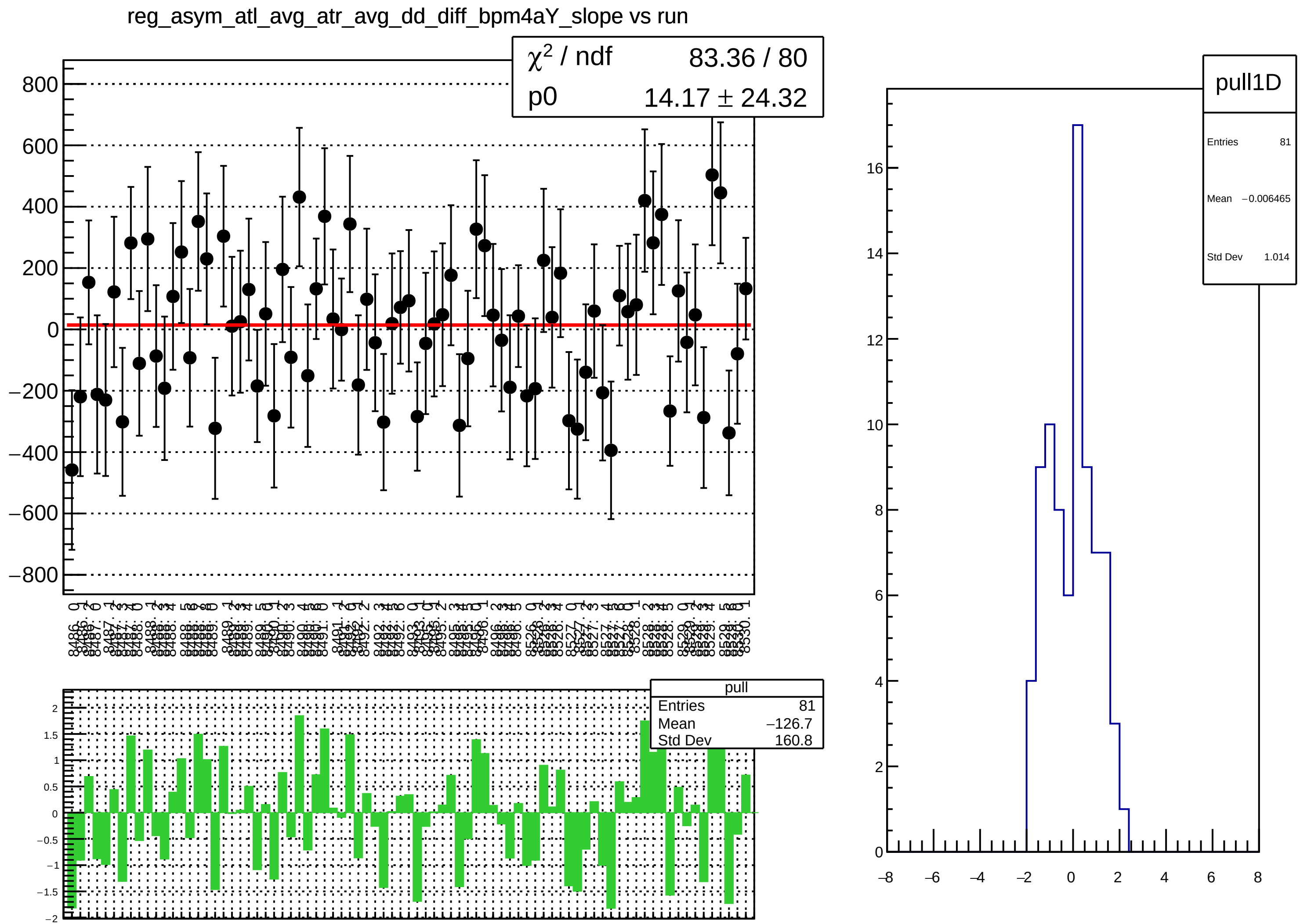
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 92.27 / 80
p0 −45.06 ± 25.74
pull
Entries 81
Mean −279.7
Std Dev 293.5
pull1D
Entries 81
Mean 0.005978
Std Dev 1.067



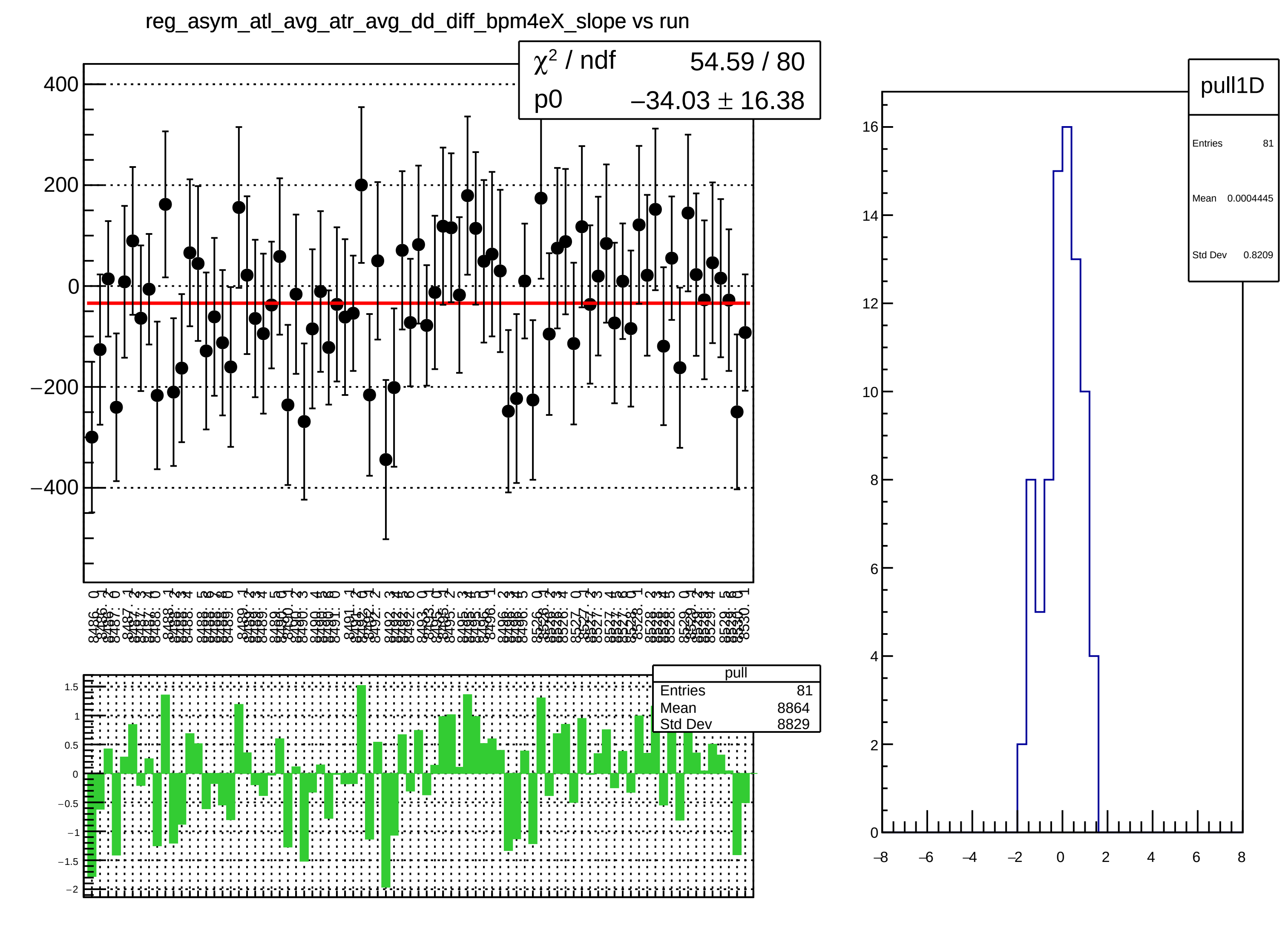
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 82.24 / 80
p0 −17.22 ± 1.543
pull
Entries 81
Mean 1975
Std Dev 1949
pull1D
Entries 81
Mean −0.00235
Std Dev 1.008



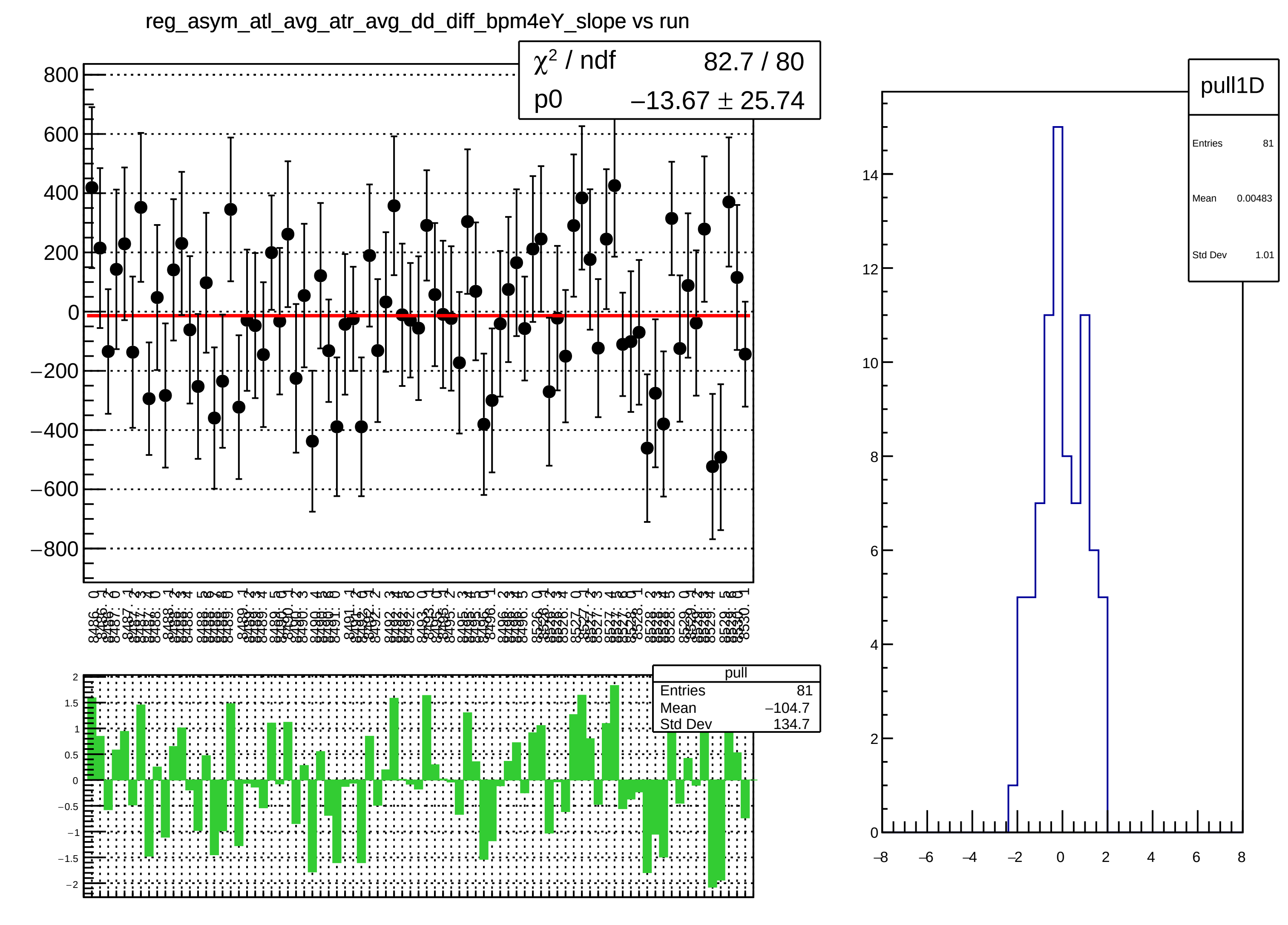
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ2 / ndf 55.39 / 80
p0 41.54 ± 15.19
pull
Entries 81
Mean 626.8
Std Dev 592.3
pull1D
Entries 81
Mean −0.005806
Std Dev 0.8269

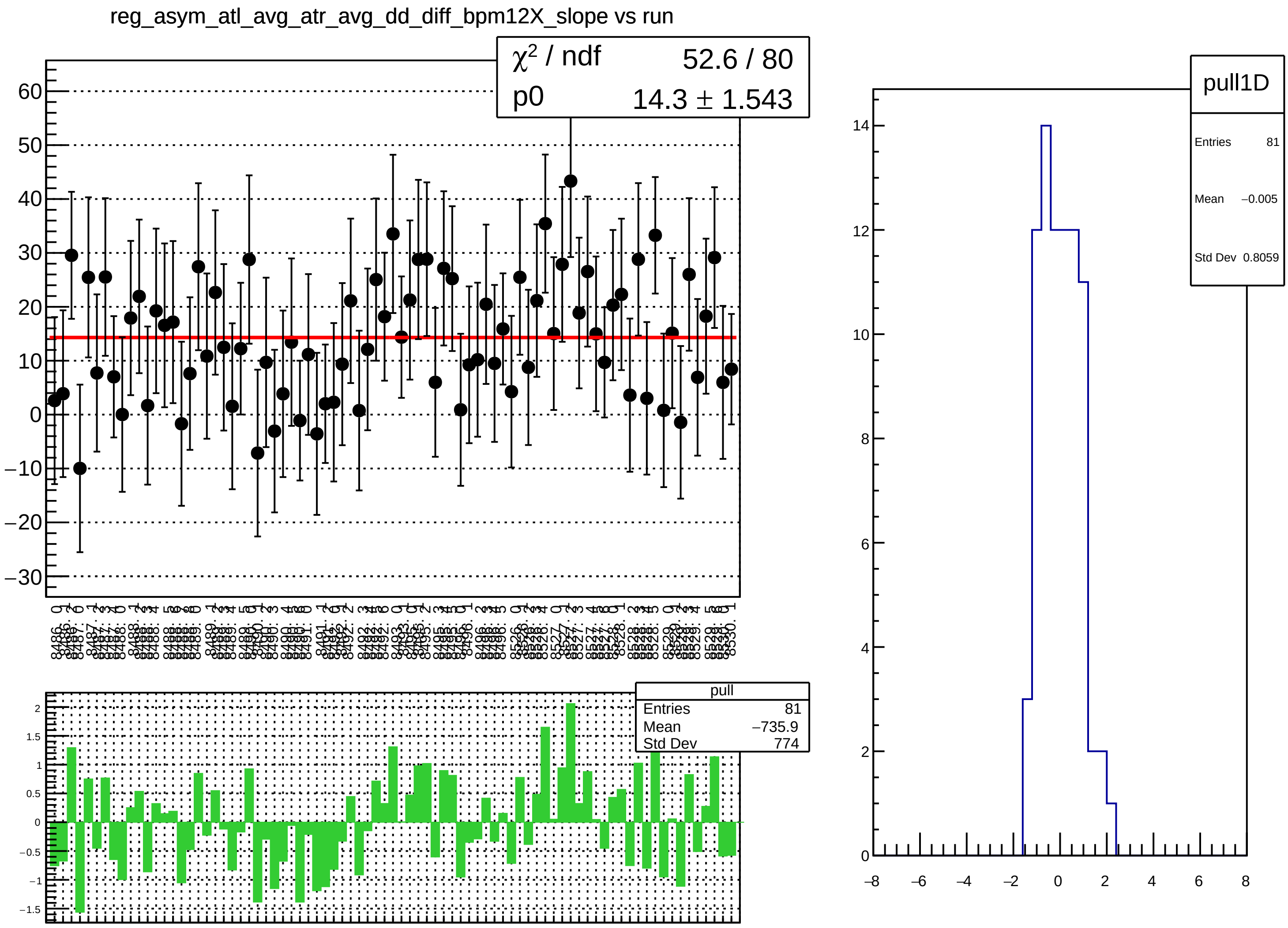


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 83.36 / 80
p0 14.17 ± 24.32
pull
Entries 81
Mean −126.7
Std Dev 160.8
pull1D
Entries 81
Mean −0.006465
Std Dev 1.014

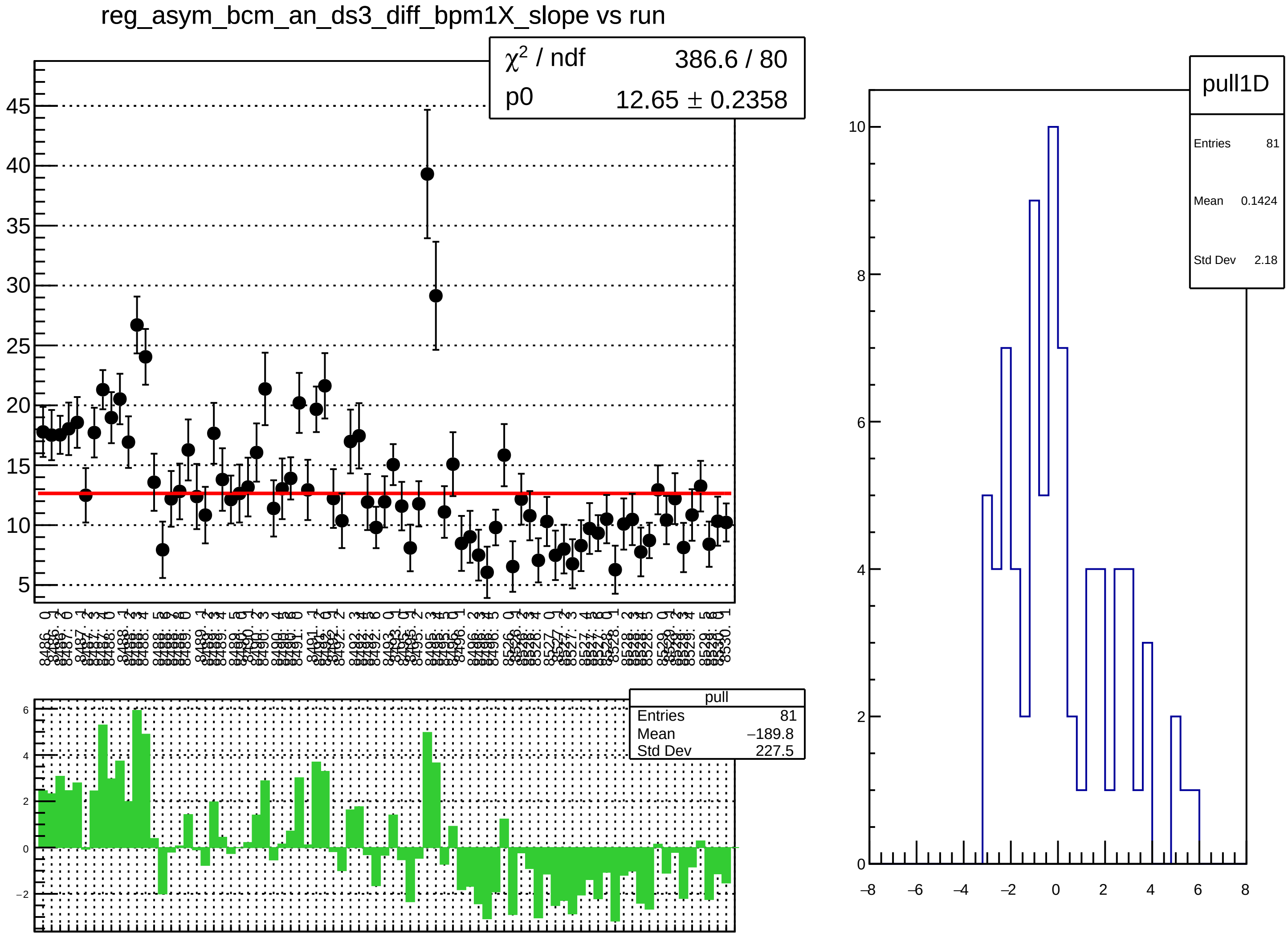


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 54.59 / 80
p0 −34.03 ± 16.38
pull1D
Entries 81
Mean 0.0004445
Std Dev 0.8209
pull
Entries 81
Mean 8864
Std Dev 8829

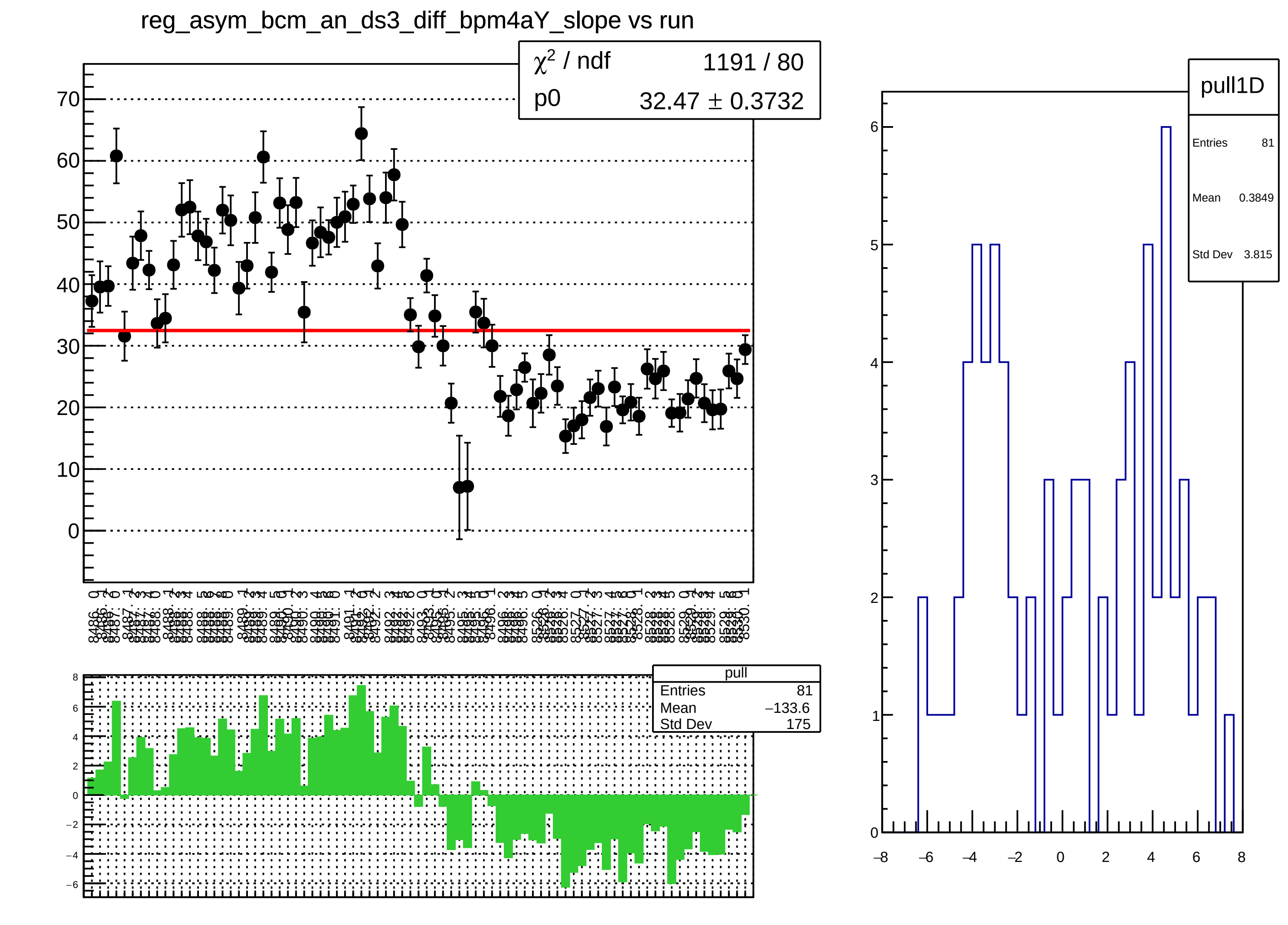

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 82.7 / 80
p0 −13.67 ± 25.74
pull
Entries 81
Mean −104.7
Std Dev 134.7
pull1D
Entries 81
Mean 0.00483
Std Dev 1.01



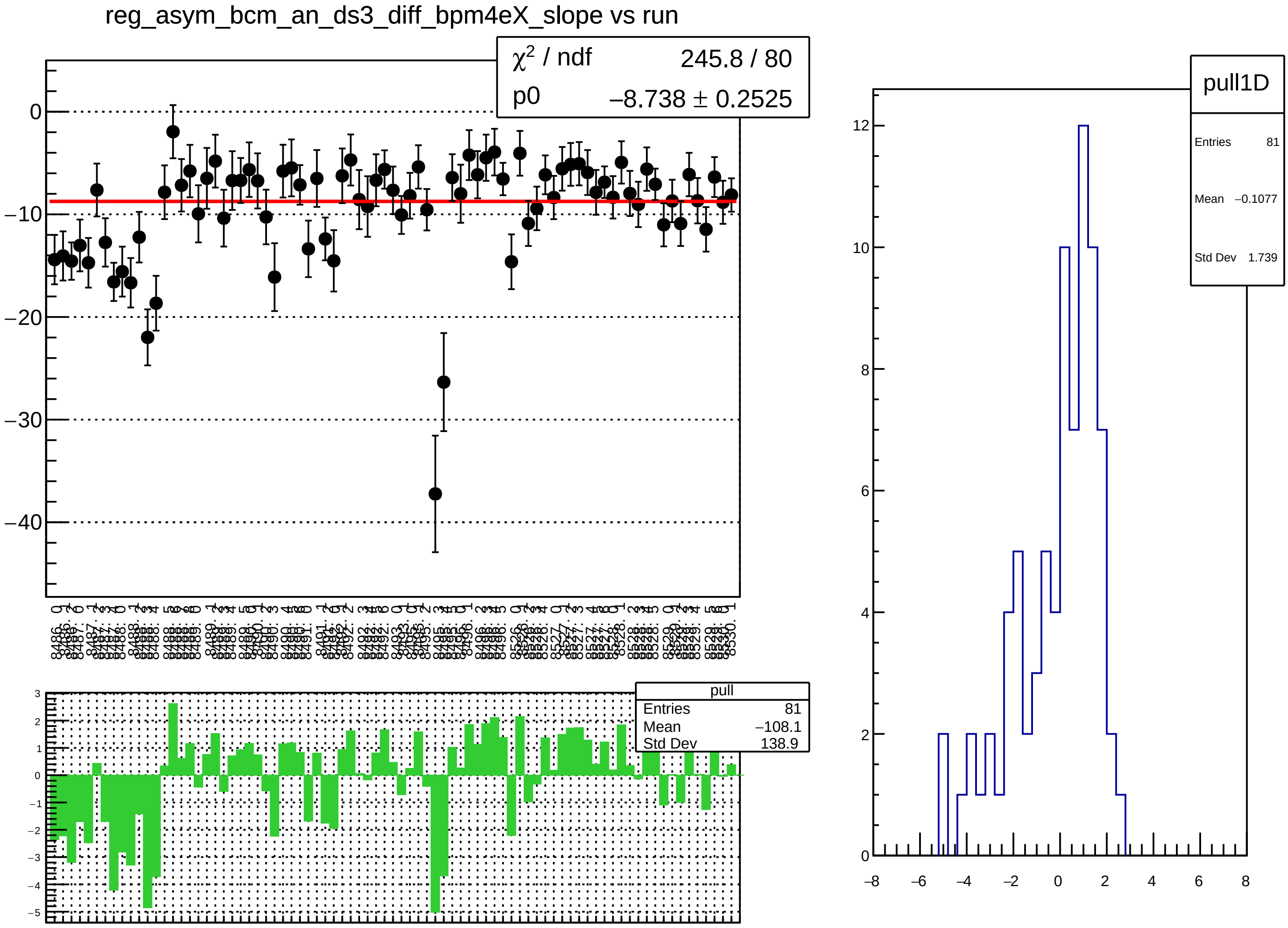
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 52.6 / 80
p0 14.3 ± 1.543
pull
Entries 81
Mean −735.9
Std Dev 774
pull1D
Entries 81
Mean −0.005
Std Dev 0.8059



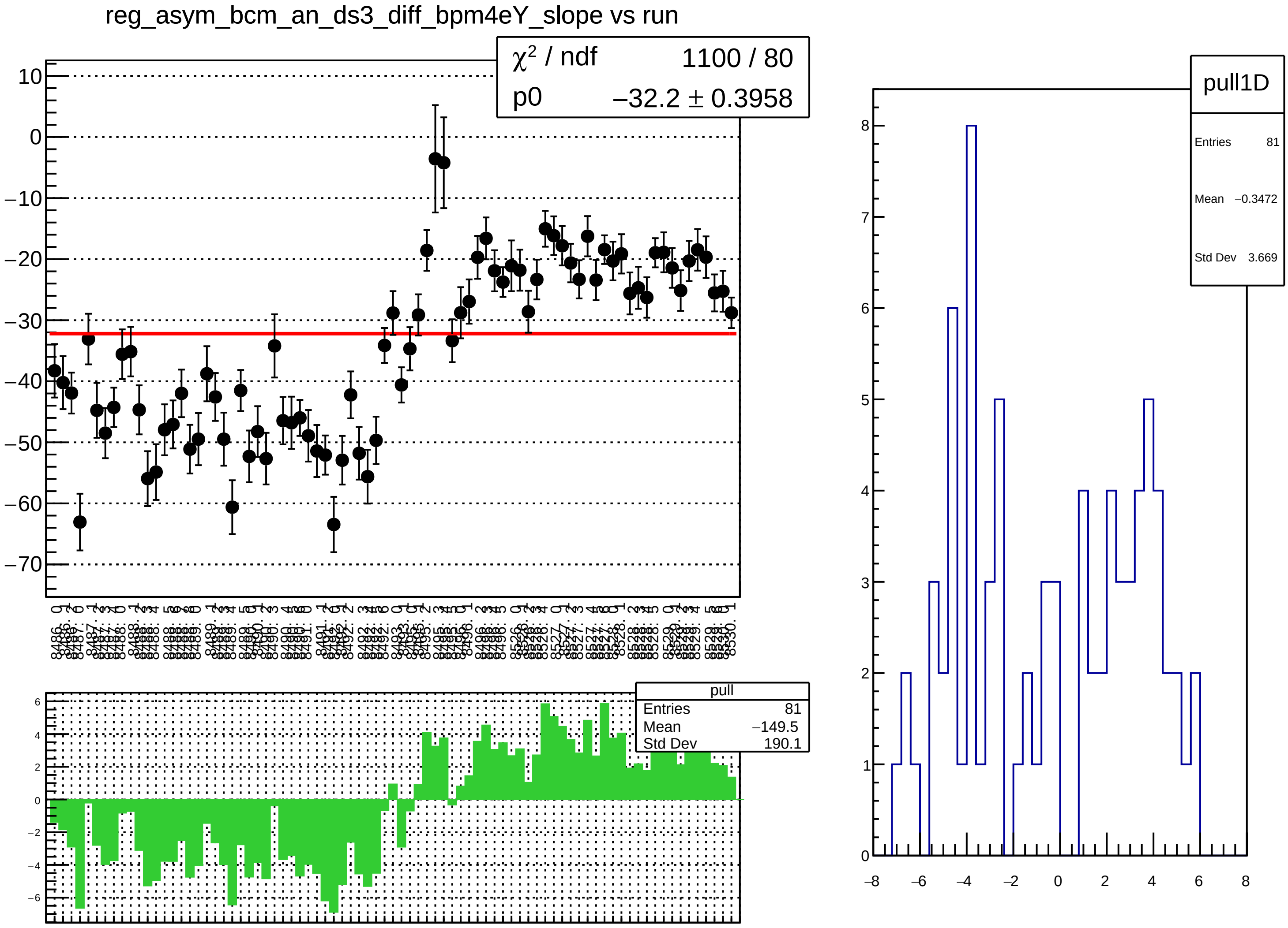
reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 386.6 / 80
p0 12.65 ± 0.2358
pull
Entries 81
Mean −189.8
Std Dev 227.5
pull1D
Entries 81
Mean 0.1424
Std Dev 2.18



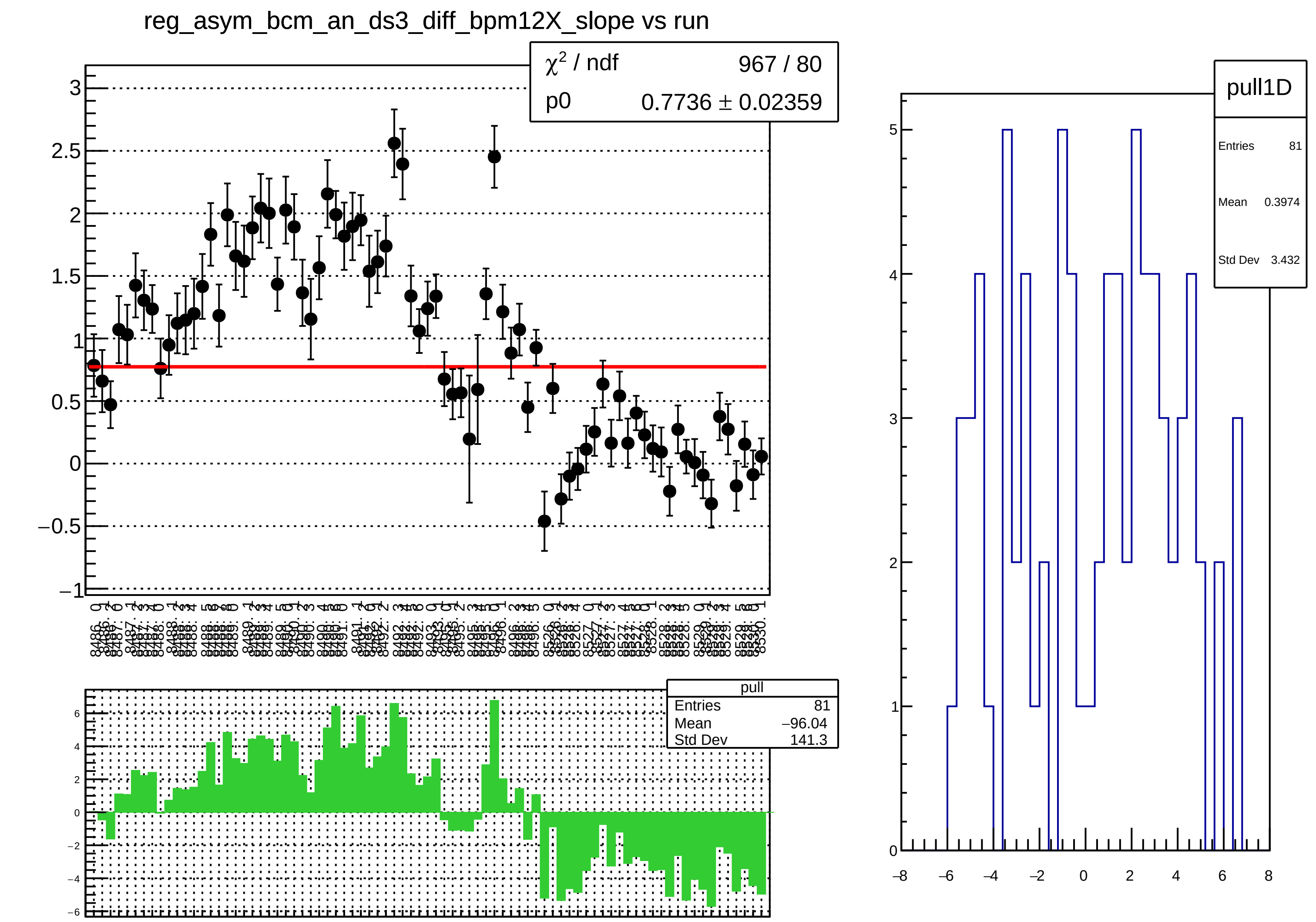
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ2 / ndf 1191 / 80
p0 32.47 ± 0.3732
pull
Entries 81
Mean −133.6
Std Dev 175
pull1D
Entries 81
Mean 0.3849
Std Dev 3.815



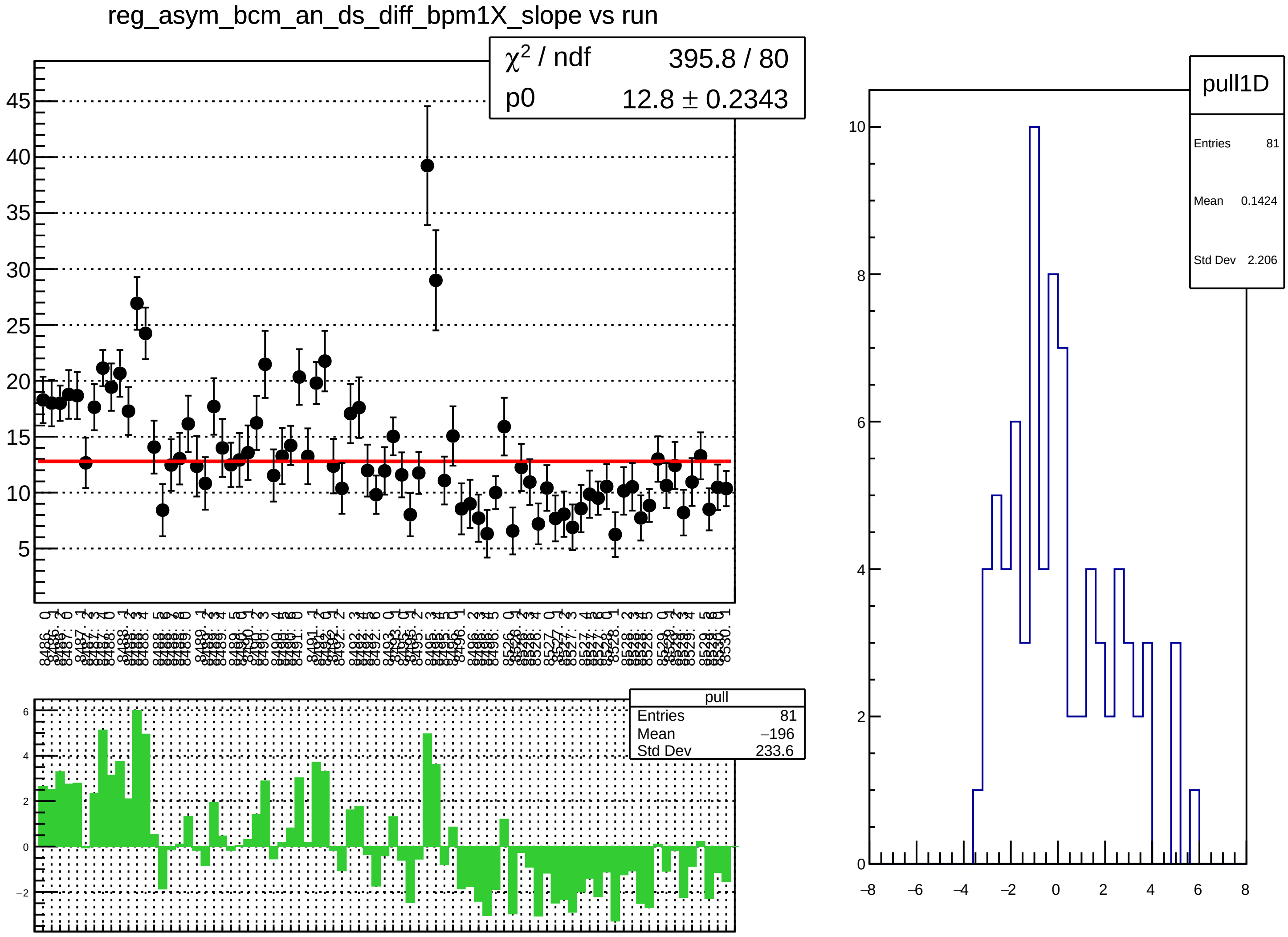
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 245.8 / 80
p0 −8.738 ± 0.2525
pull
Entries 81
Mean −108.1
Std Dev 138.9
pull1D
Entries 81
Mean −0.1077
Std Dev 1.739



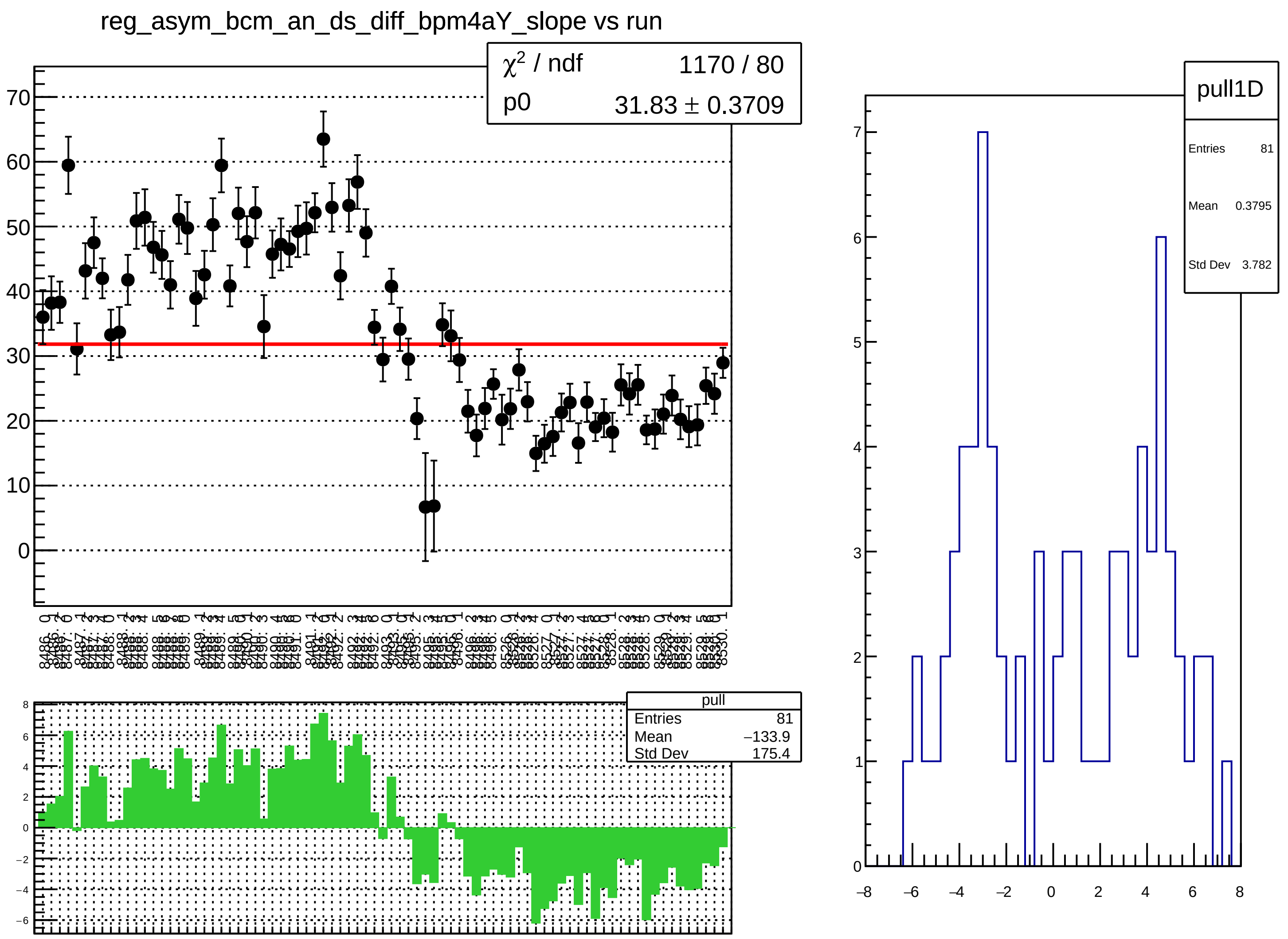
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ2 / ndf 1100 / 80
p0 −32.2 ± 0.3958
pull
Entries 81
Mean −149.5
Std Dev 190.1
pull1D
Entries 81
Mean −0.3472
Std Dev 3.669



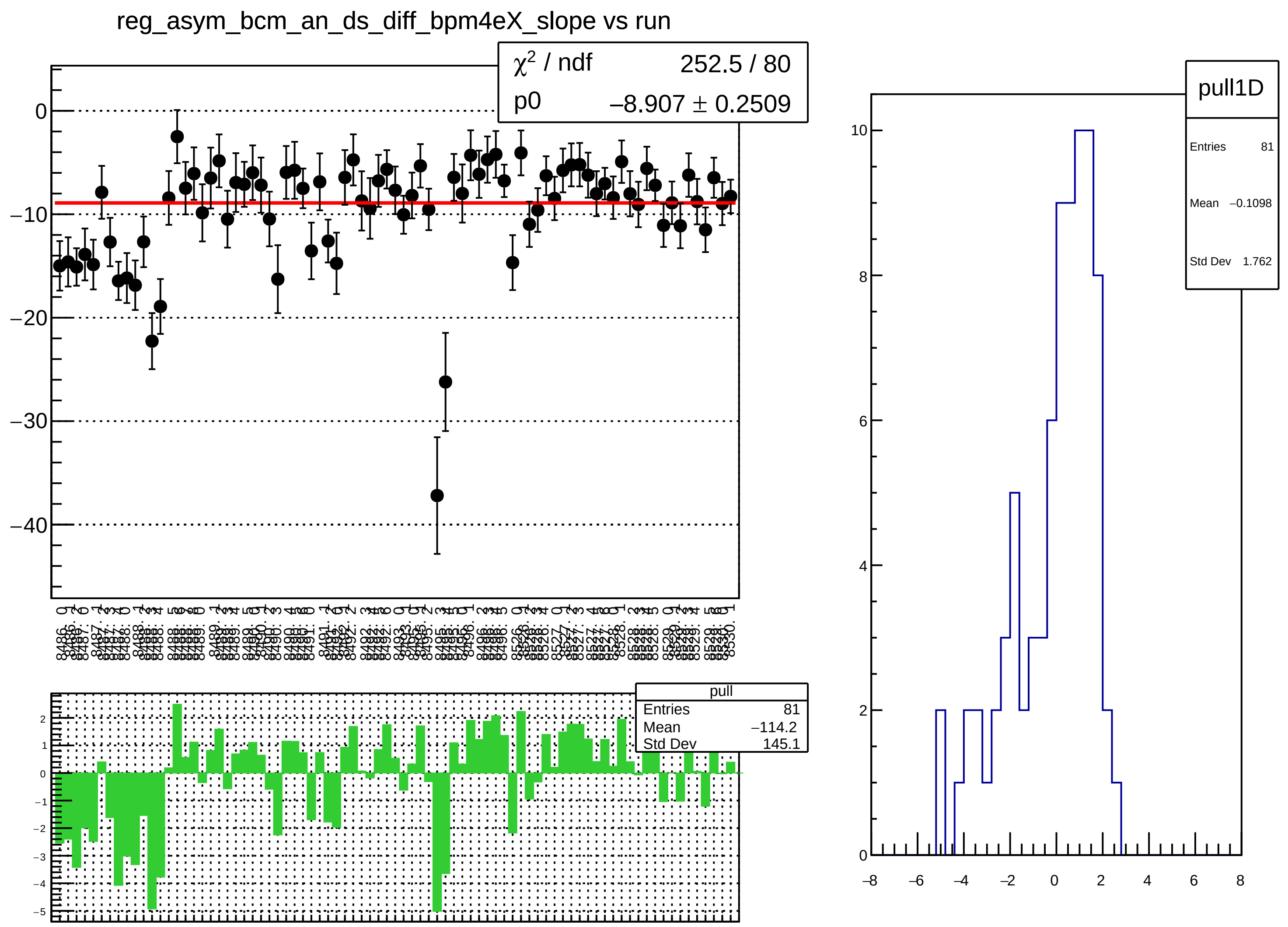
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ^2 / ndf 967 / 80
p0 0.7736 ± 0.02359
pull
Entries 81
Mean −96.04
Std Dev 141.3
pull1D
Entries 81
Mean 0.3974
Std Dev 3.432



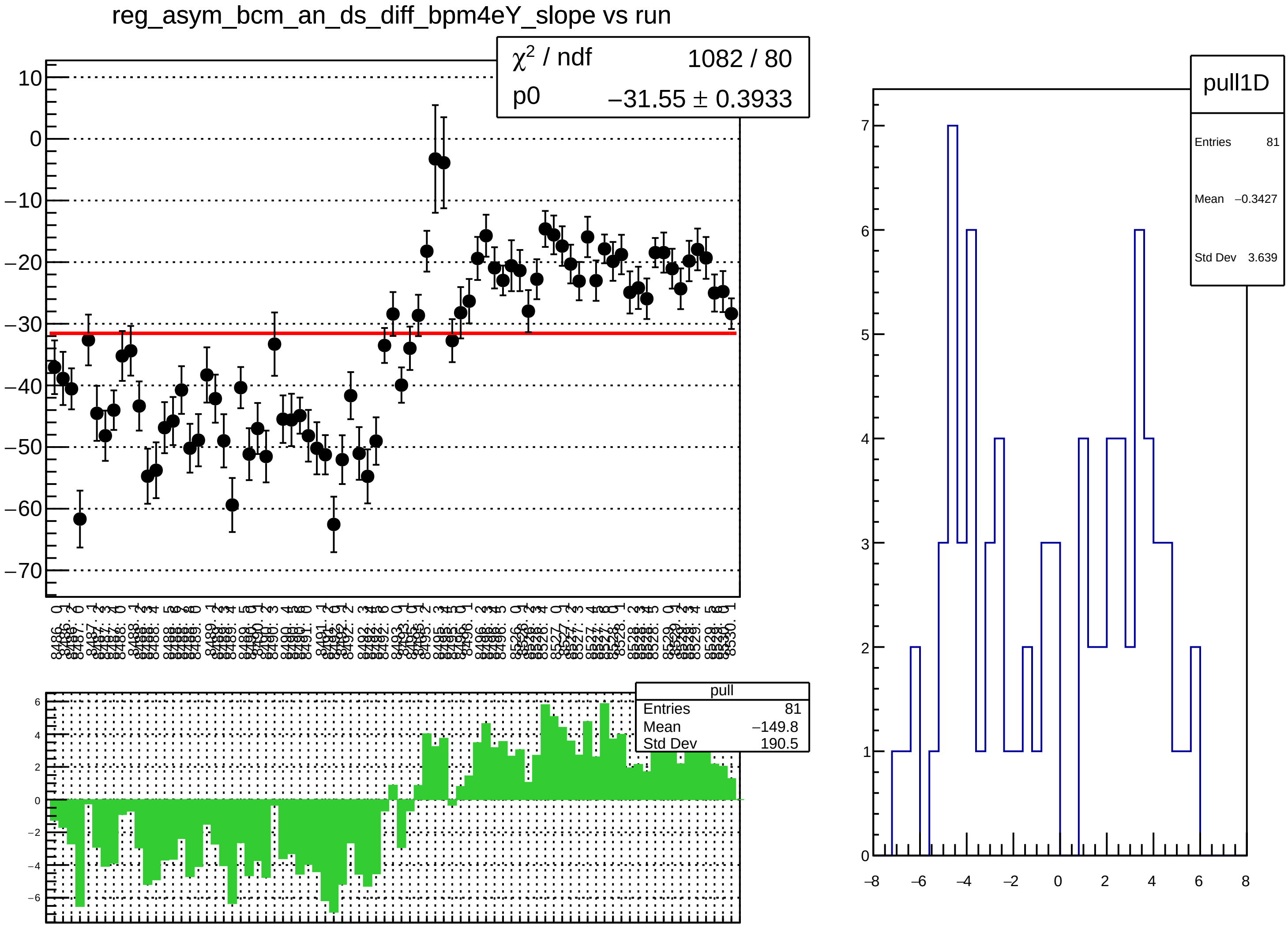
reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 395.8 / 80
p0 12.8 ± 0.2343
pull
Entries 81
Mean −196
Std Dev 233.6
pull1D
Entries 81
Mean 0.1424
Std Dev 2.206

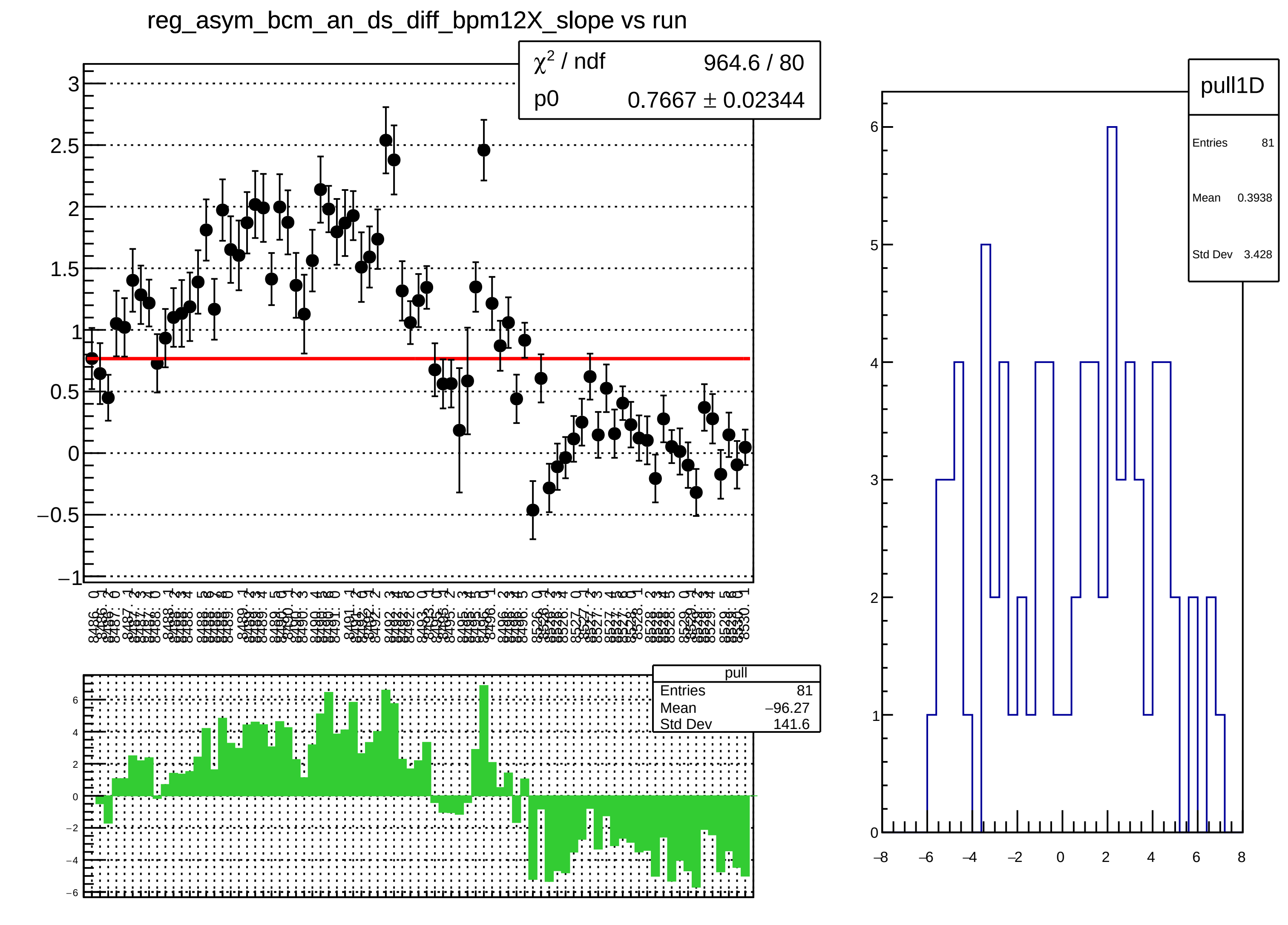


reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 1170 / 80
p0 31.83 ± 0.3709
pull
Entries 81
Mean −133.9
Std Dev 175.4
pull1D
Entries 81
Mean 0.3795
Std Dev 3.782

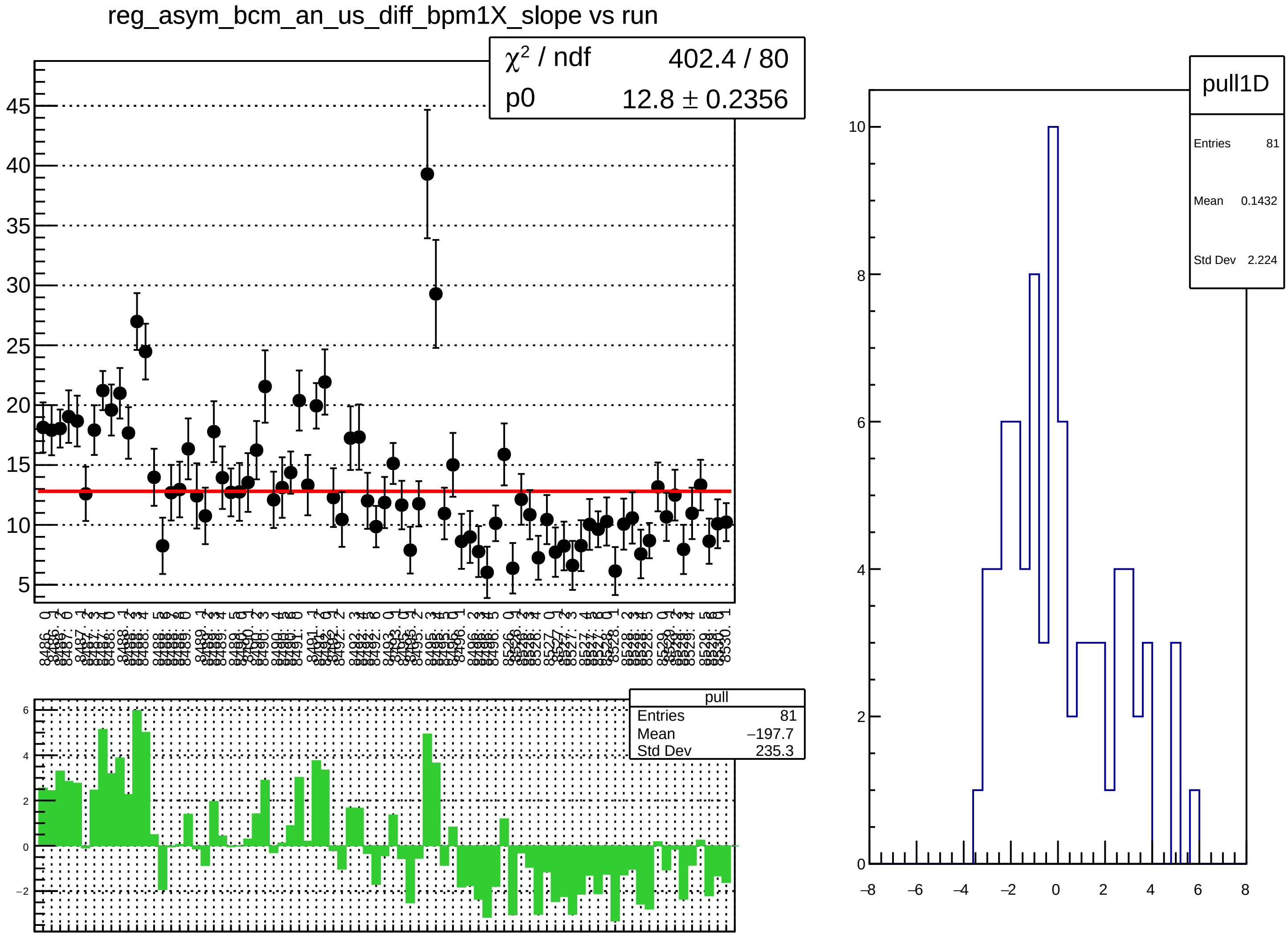


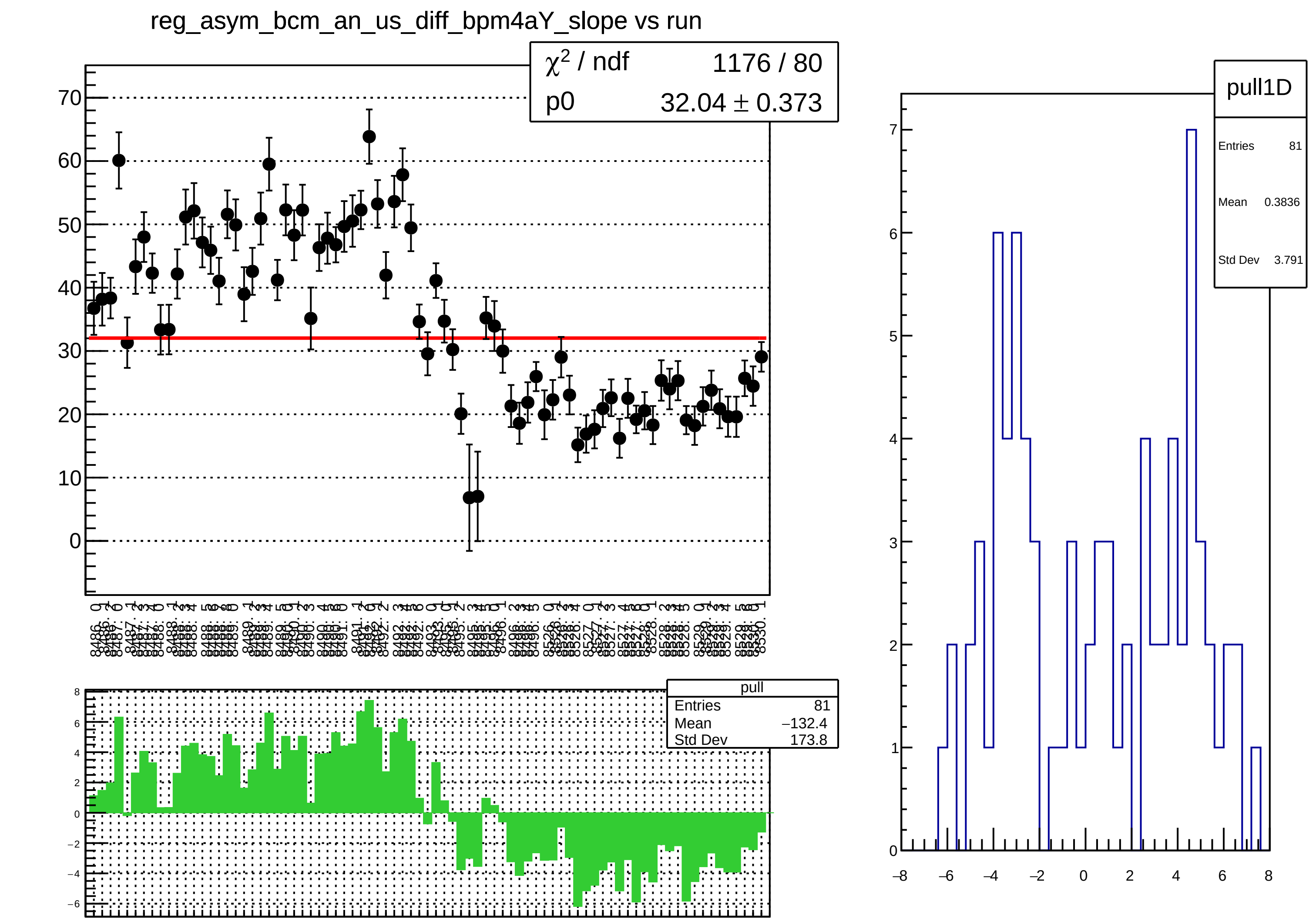
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 252.5 / 80
p0 −8.907 ± 0.2509
pull
Entries 81
Mean −114.2
Std Dev 145.1
pull1D
Entries 81
Mean −0.1098
Std Dev 1.762


reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 1082 / 80
p0 −31.55 ± 0.3933
pull
Entries 81
Mean −149.8
Std Dev 190.5
pull1D
Entries 81
Mean −0.3427
Std Dev 3.639

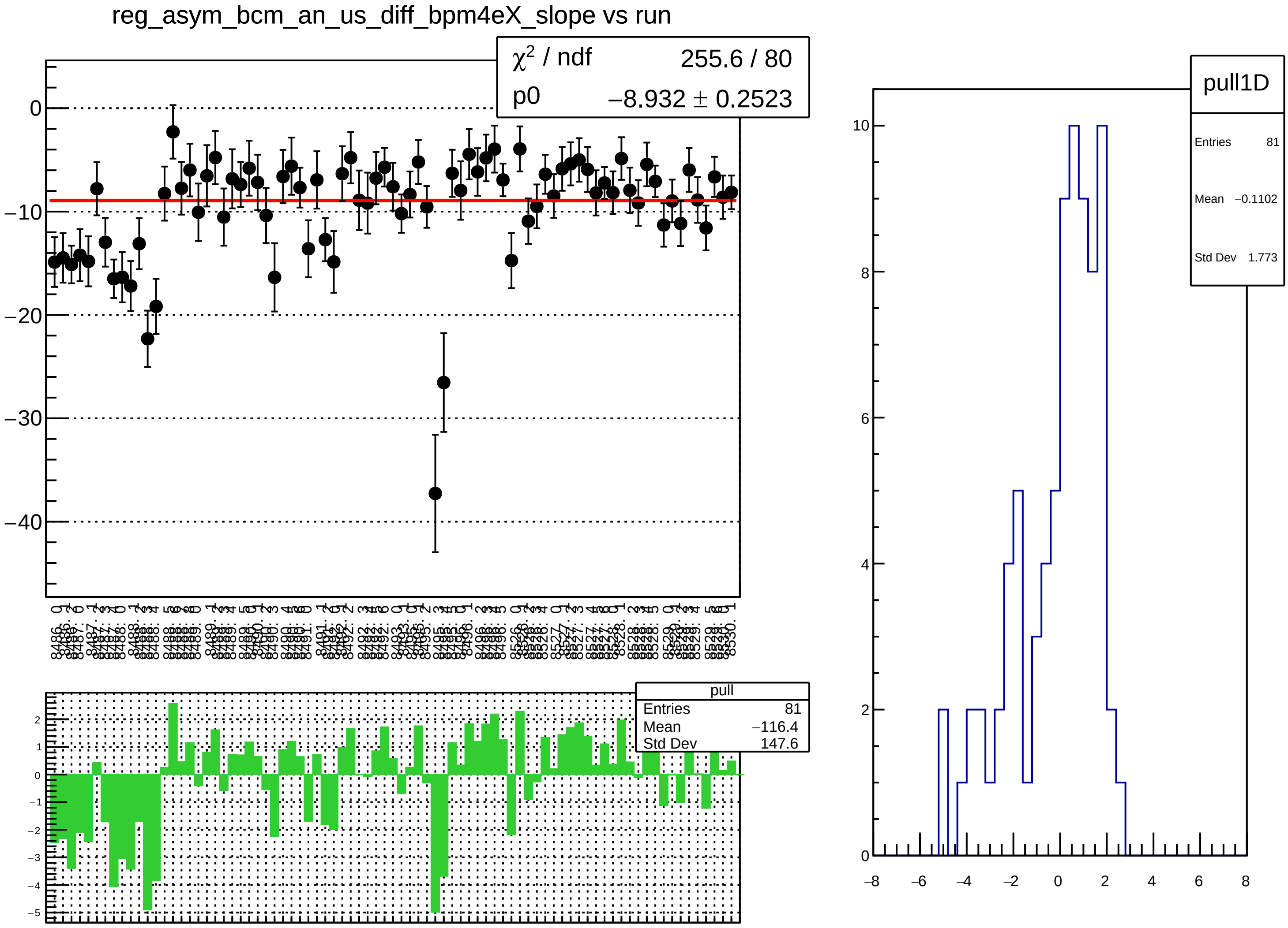


reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ^2 / ndf 964.6 / 80
p0 0.7667 ± 0.02344
pull
Entries 81
Mean −96.27
Std Dev 141.6
pull1D
Entries 81
Mean 0.3938
Std Dev 3.428

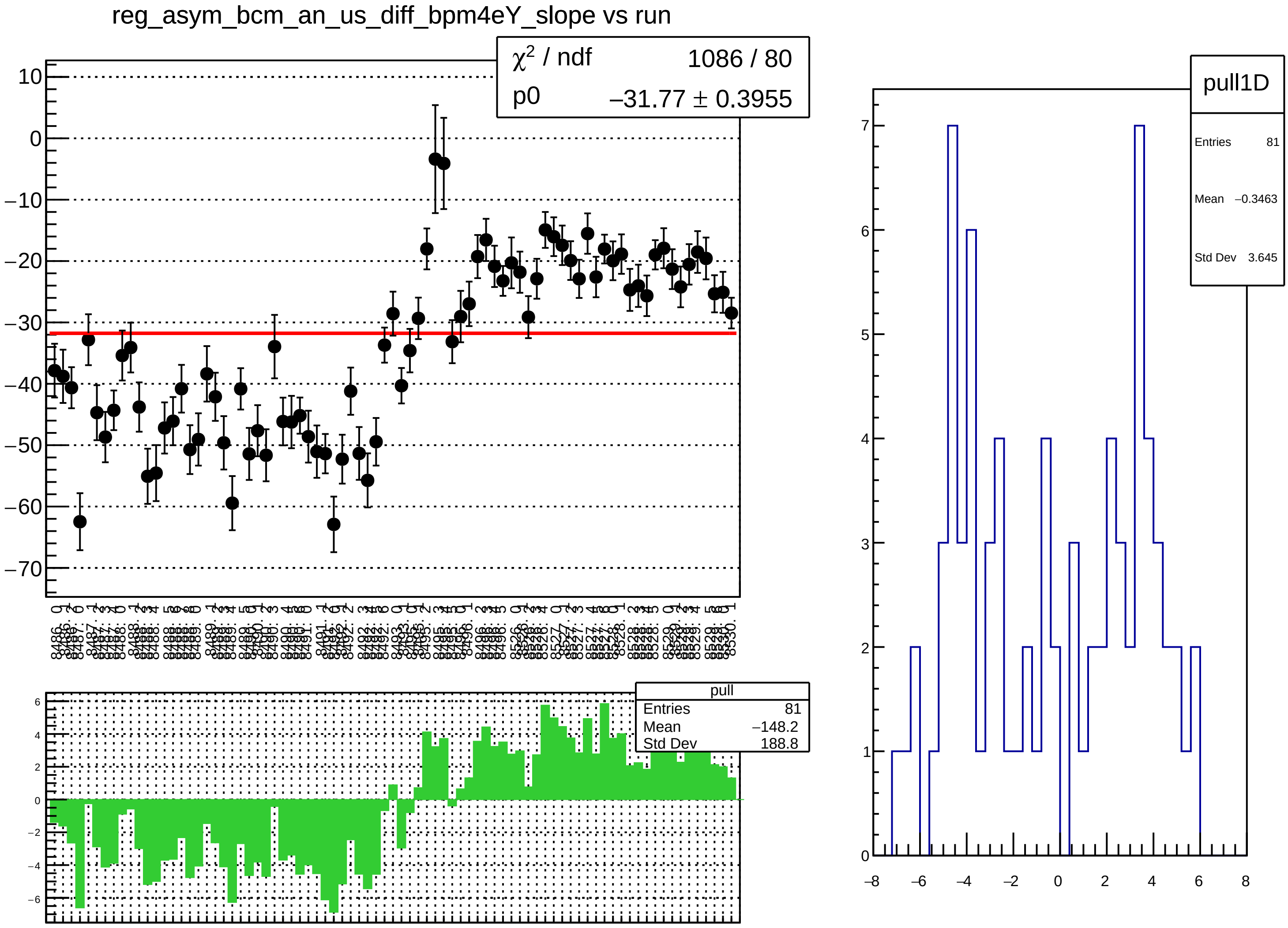

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ2 / ndf 402.4 / 80
p0 12.8 ± 0.2356
pull
Entries 81
Mean −197.7
Std Dev 235.3
pull1D
Entries 81
Mean 0.1432
Std Dev 2.224



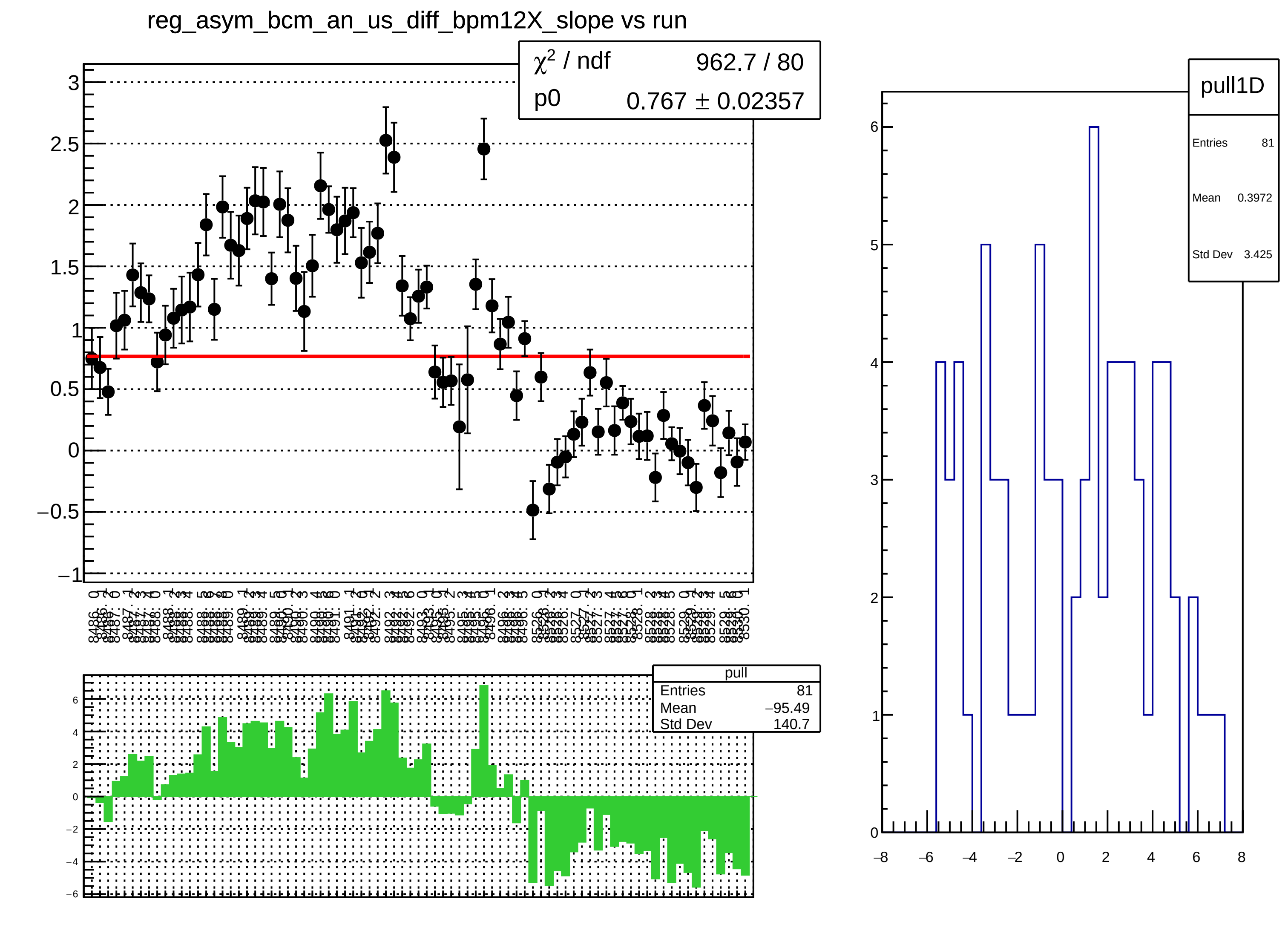
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 1176 / 80
p0 32.04 ± 0.373
pull
Entries 81
Mean −132.4
Std Dev 173.8
pull1D
Entries 81
Mean 0.3836
Std Dev 3.791



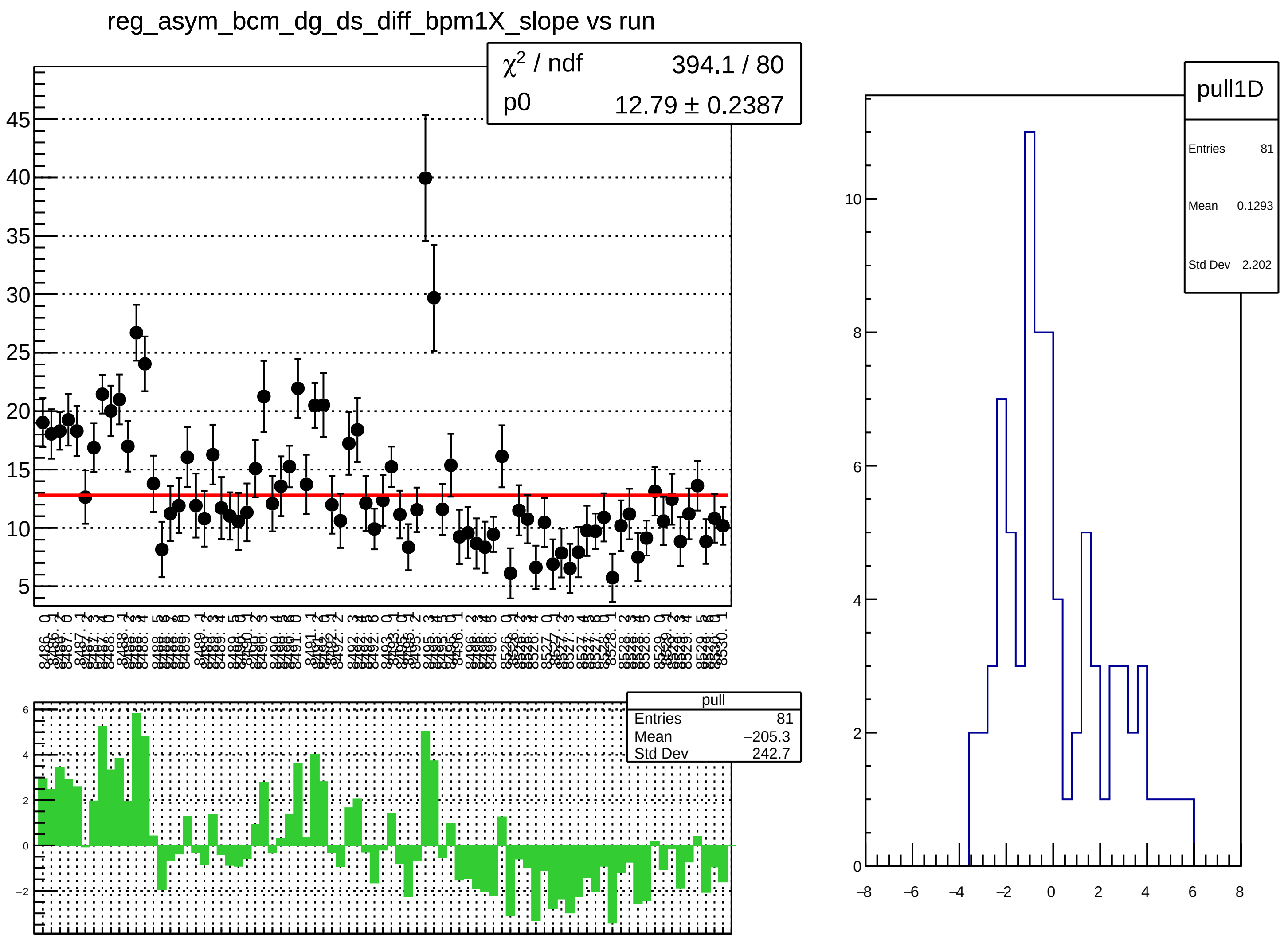
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 255.6 / 80
p0 −8.932 ± 0.2523
pull
Entries 81
Mean −116.4
Std Dev 147.6
pull1D
Entries 81
Mean −0.1102
Std Dev 1.773



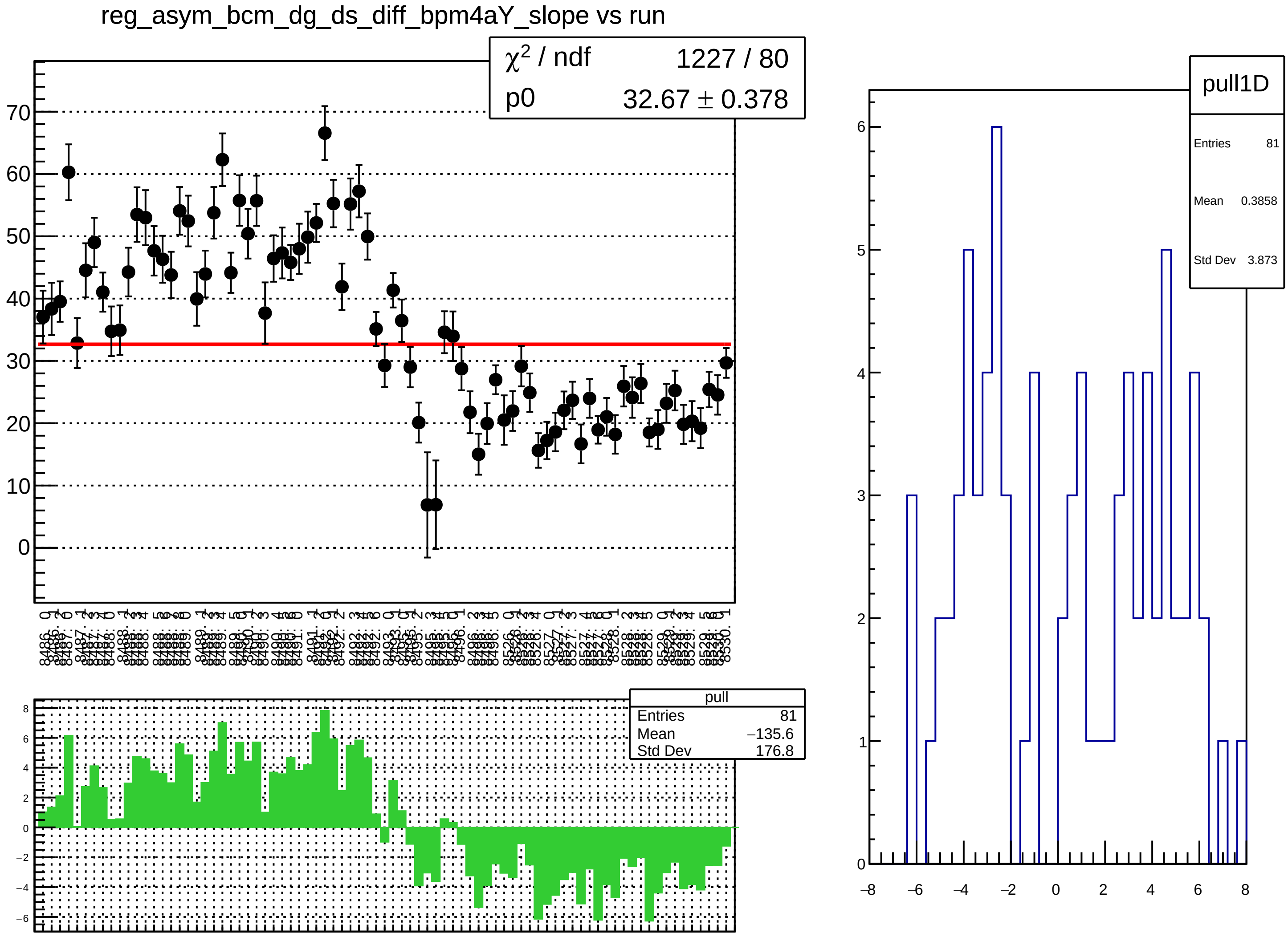
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 1086 / 80
p0 −31.77 ± 0.3955
pull
Entries 81
Mean −148.2
Std Dev 188.8
pull1D
Entries 81
Mean −0.3463
Std Dev 3.645



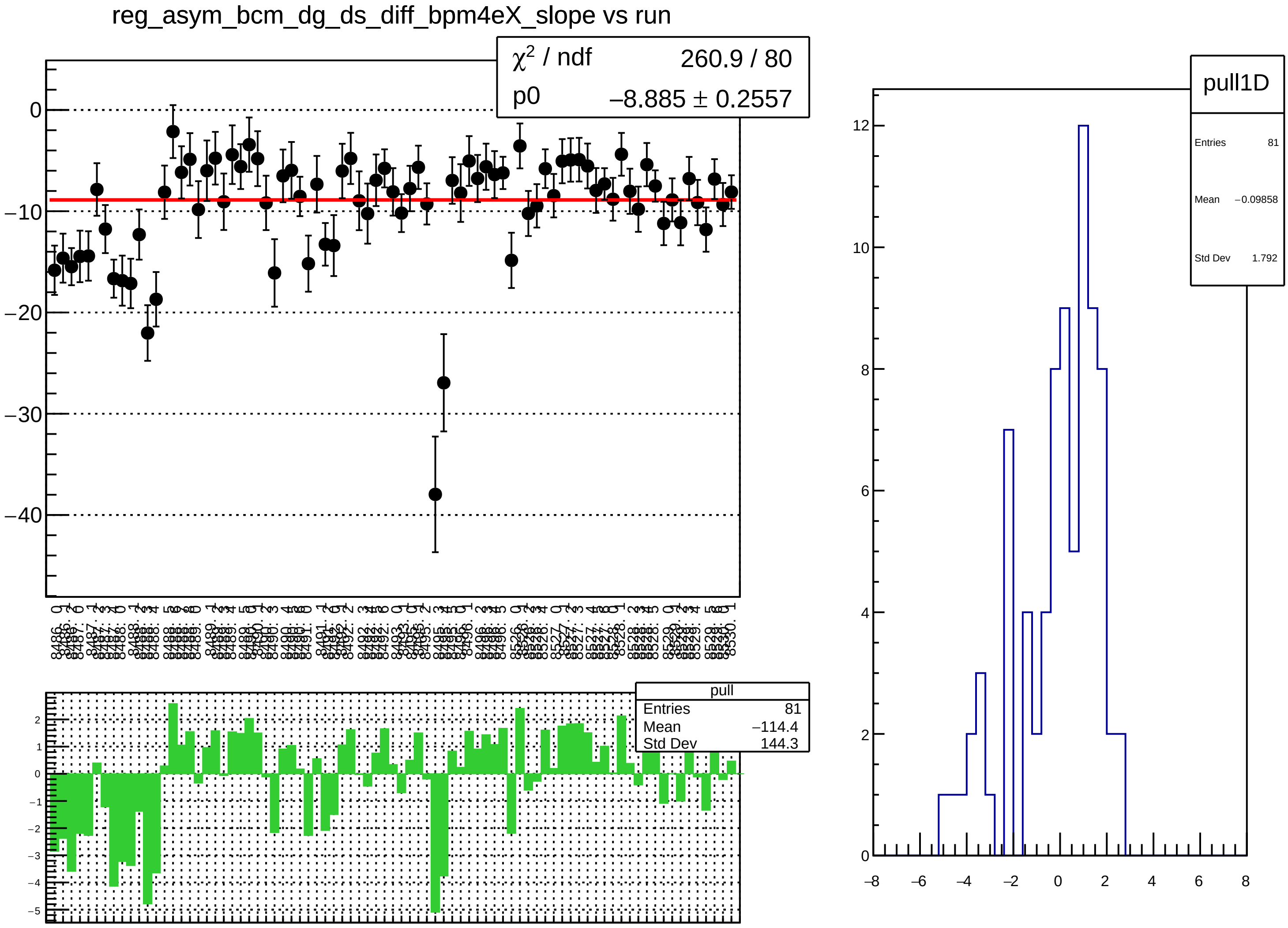
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 962.7 / 80
p0 0.767 ± 0.02357
pull
Entries 81
Mean −95.49
Std Dev 140.7
pull1D
Entries 81
Mean 0.3972
Std Dev 3.425



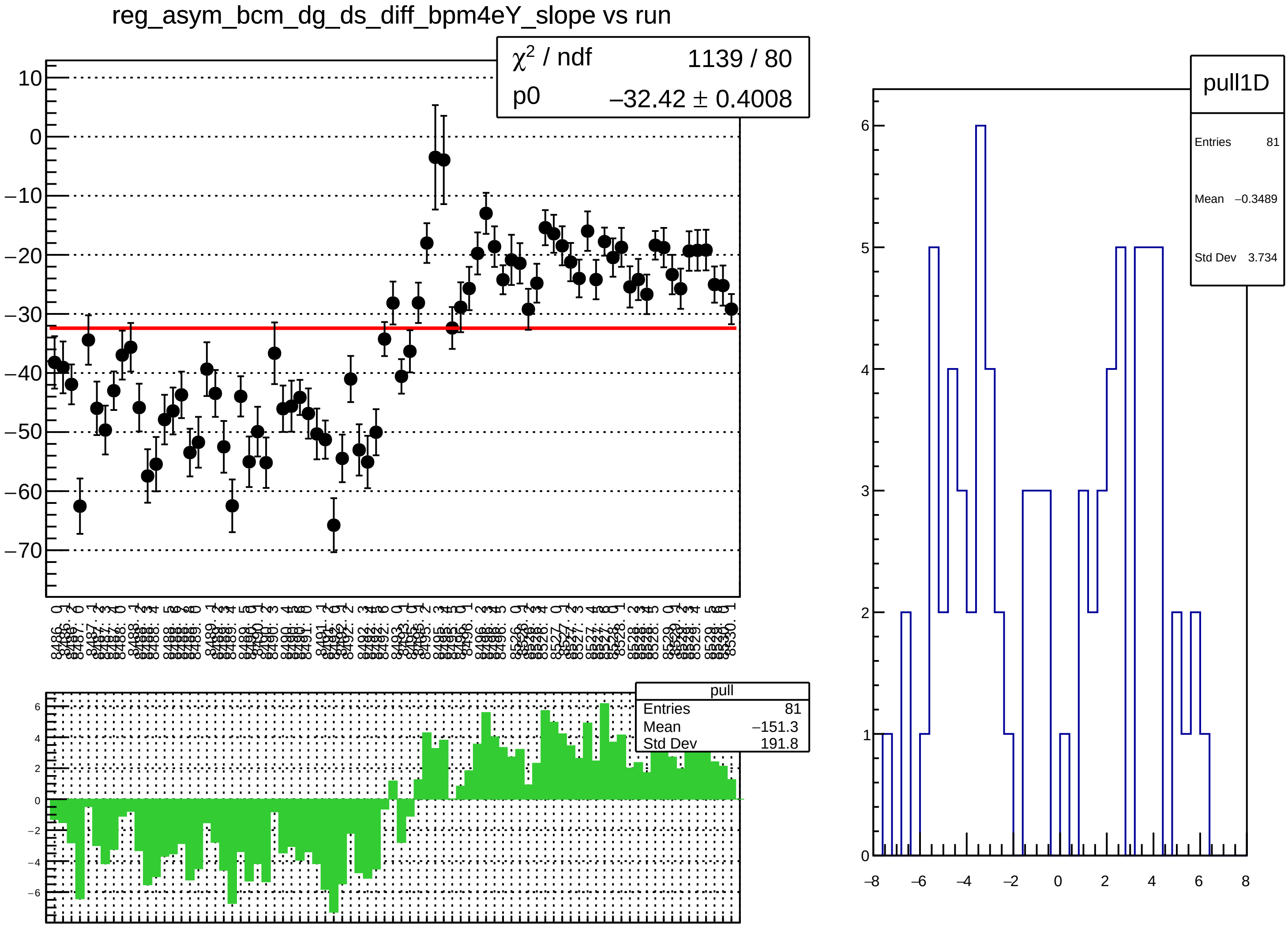
reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 394.1 / 80
p0 12.79 ± 0.2387
pull
Entries 81
Mean −205.3
Std Dev 242.7
pull1D
Entries 81
Mean 0.1293
Std Dev 2.202

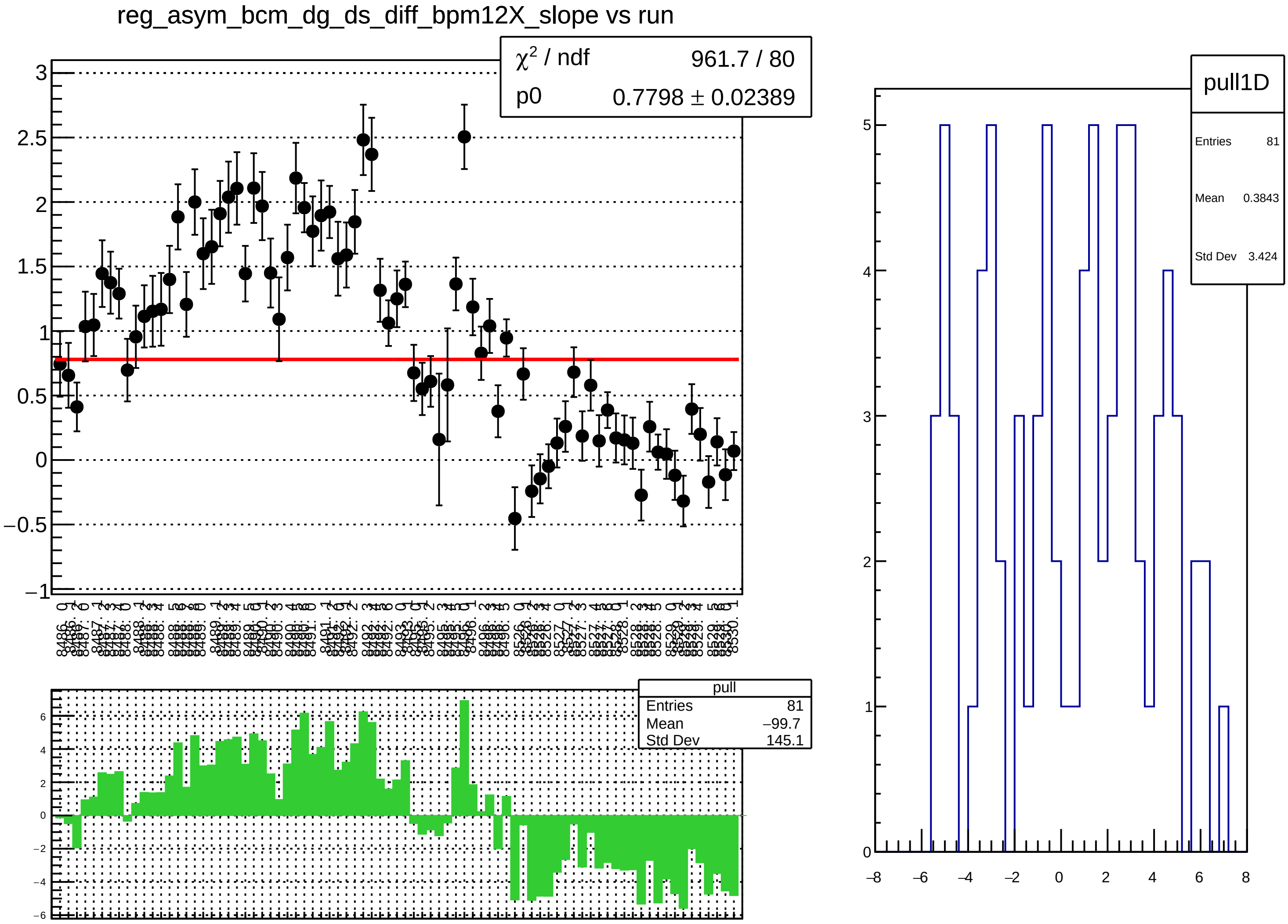


reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 1227 / 80
p0 32.67 ± 0.378
pull
Entries 81
Mean −135.6
Std Dev 176.8
pull1D
Entries 81
Mean 0.3858
Std Dev 3.873

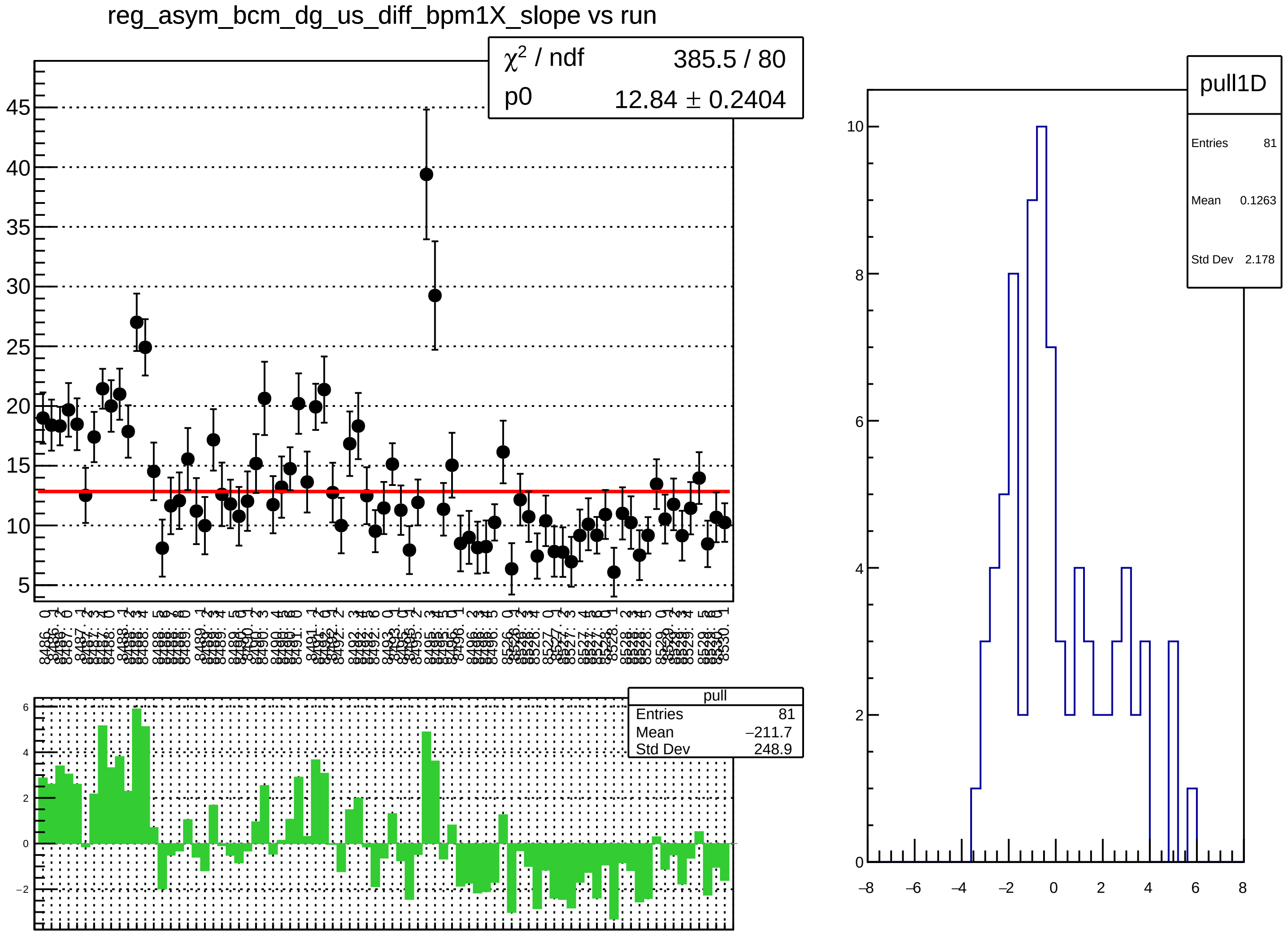


reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 260.9 / 80
p0 −8.885 ± 0.2557
pull
Entries 81
Mean −114.4
Std Dev 144.3
pull1D
Entries 81
Mean −0.09858
Std Dev 1.792

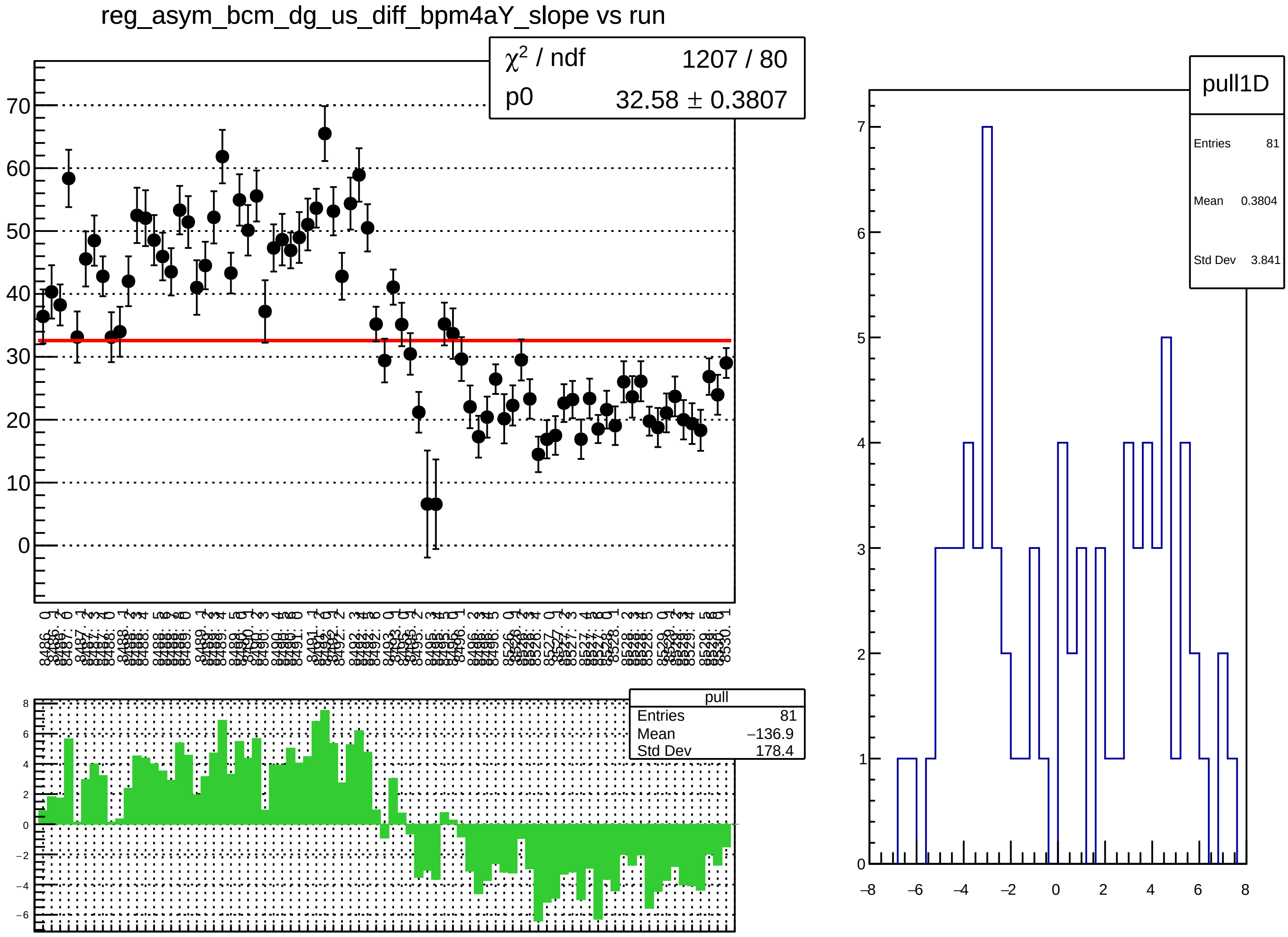

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 1139 / 80
p0 −32.42 ± 0.4008
pull
Entries 81
Mean −151.3
Std Dev 191.8
pull1D
Entries 81
Mean −0.3489
Std Dev 3.734



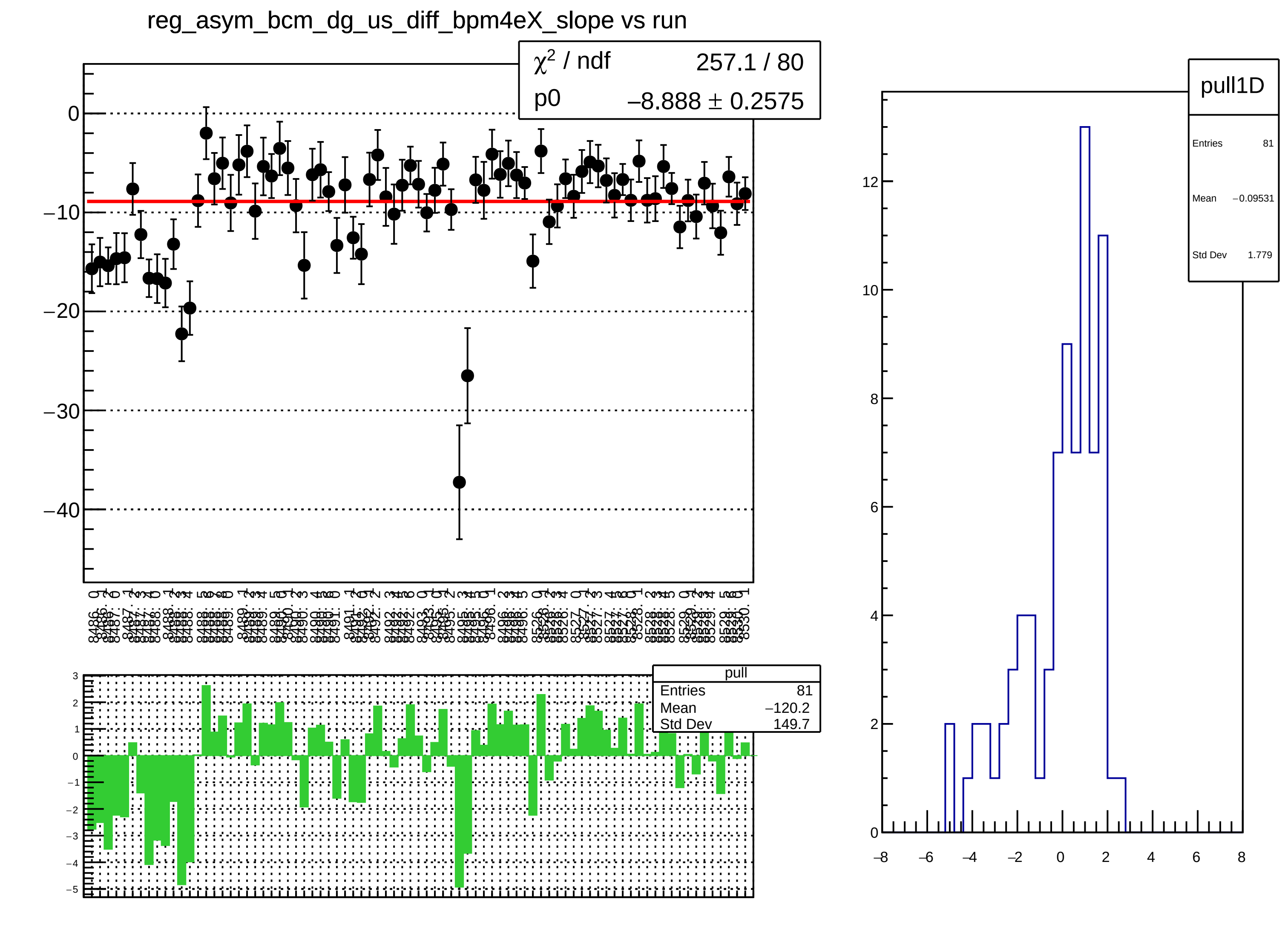
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 961.7 / 80
p0 0.7798 ± 0.02389
pull
Entries 81
Mean −99.7
Std Dev 145.1
pull1D
Entries 81
Mean 0.3843
Std Dev 3.424



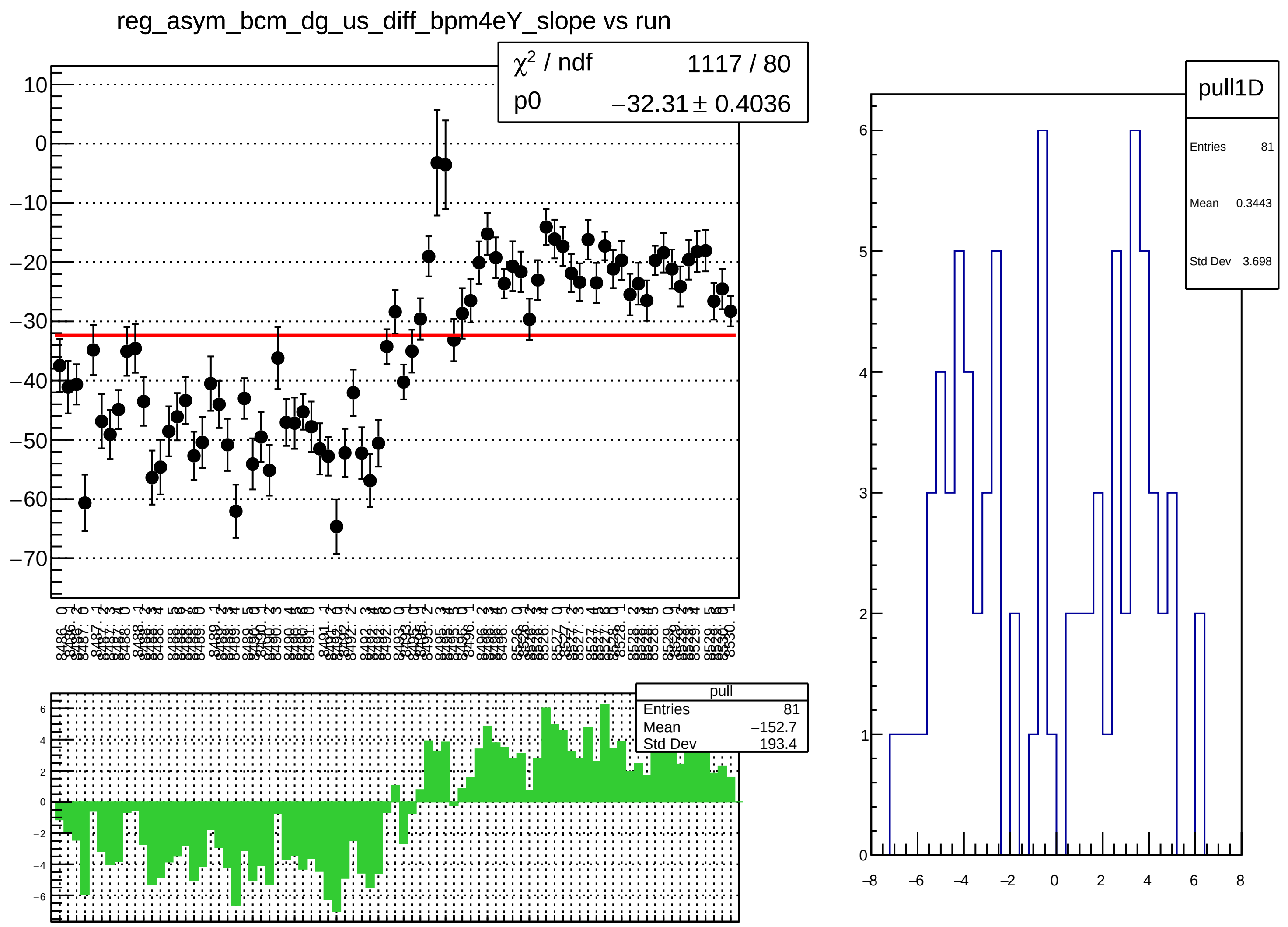
reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 385.5 / 80
p0 12.84 ± 0.2404
pull
Entries 81
Mean −211.7
Std Dev 248.9
pull1D
Entries 81
Mean 0.1263
Std Dev 2.178



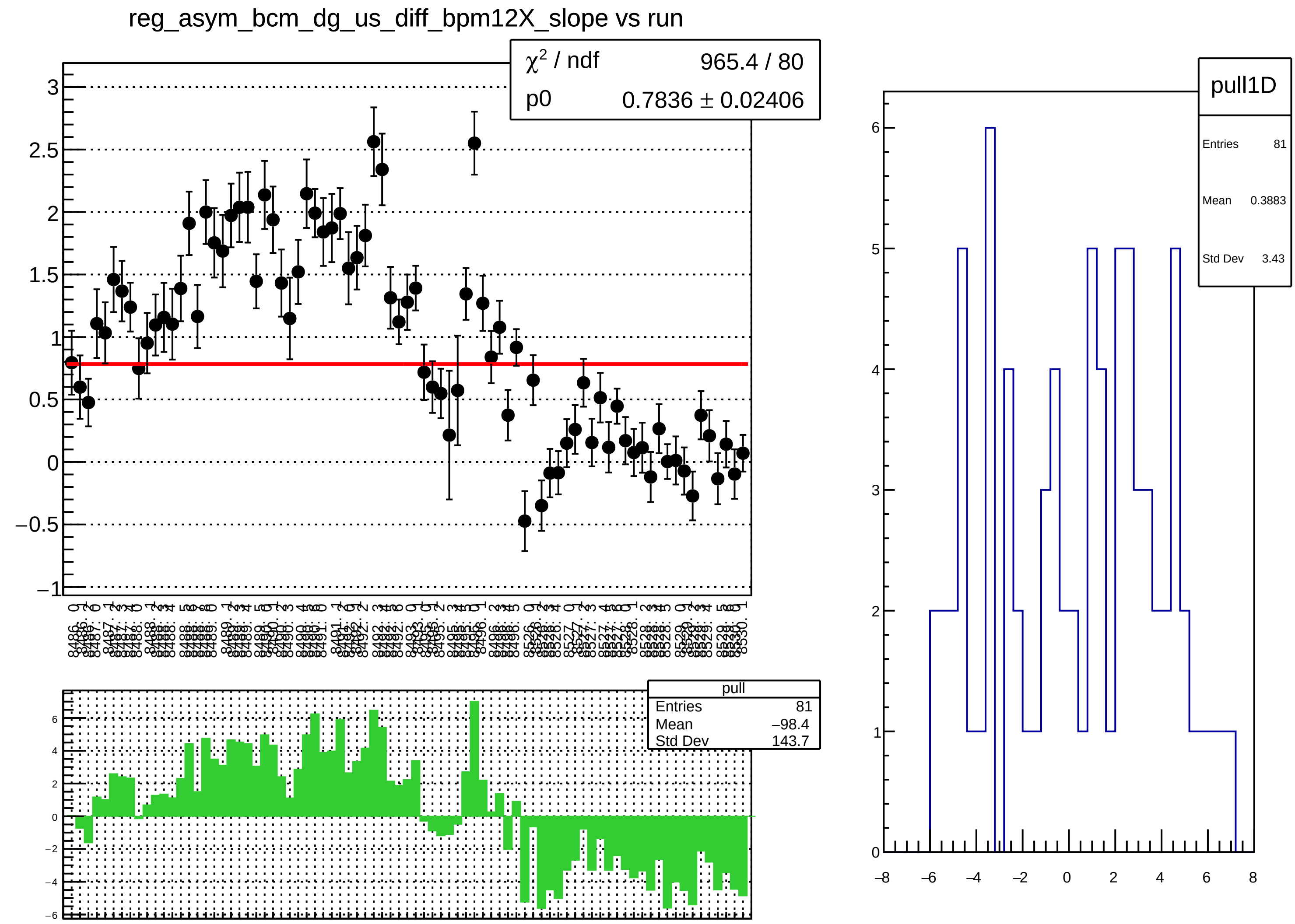
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 1207 / 80
p0 32.58 ± 0.3807
pull
Entries 81
Mean −136.9
Std Dev 178.4
pull1D
Entries 81
Mean 0.3804
Std Dev 3.841

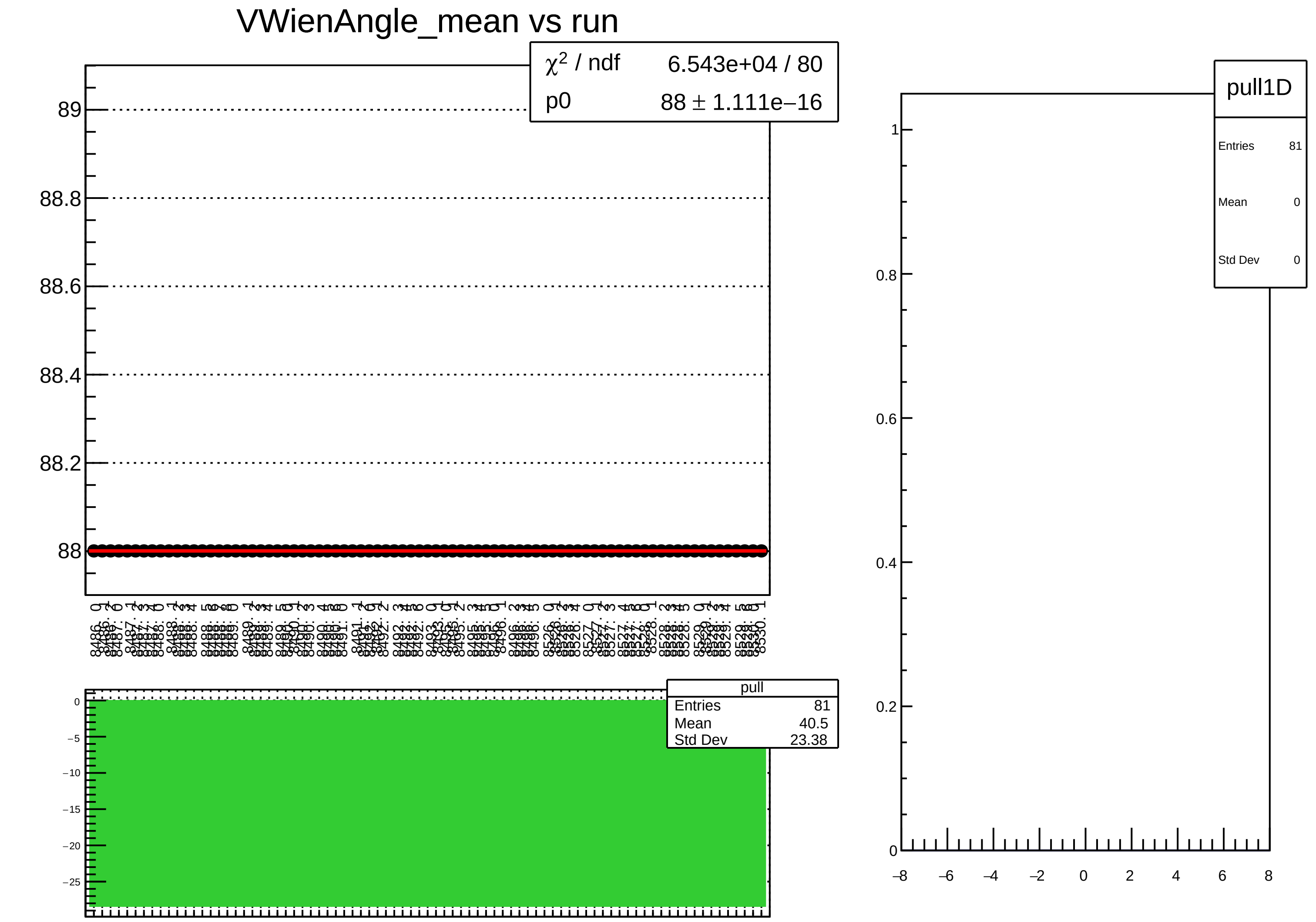


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 257.1 / 80
p0 −8.888 ± 0.2575
pull
Entries 81
Mean −120.2
Std Dev 149.7
pull1D
Entries 81
Mean −0.09531
Std Dev 1.779

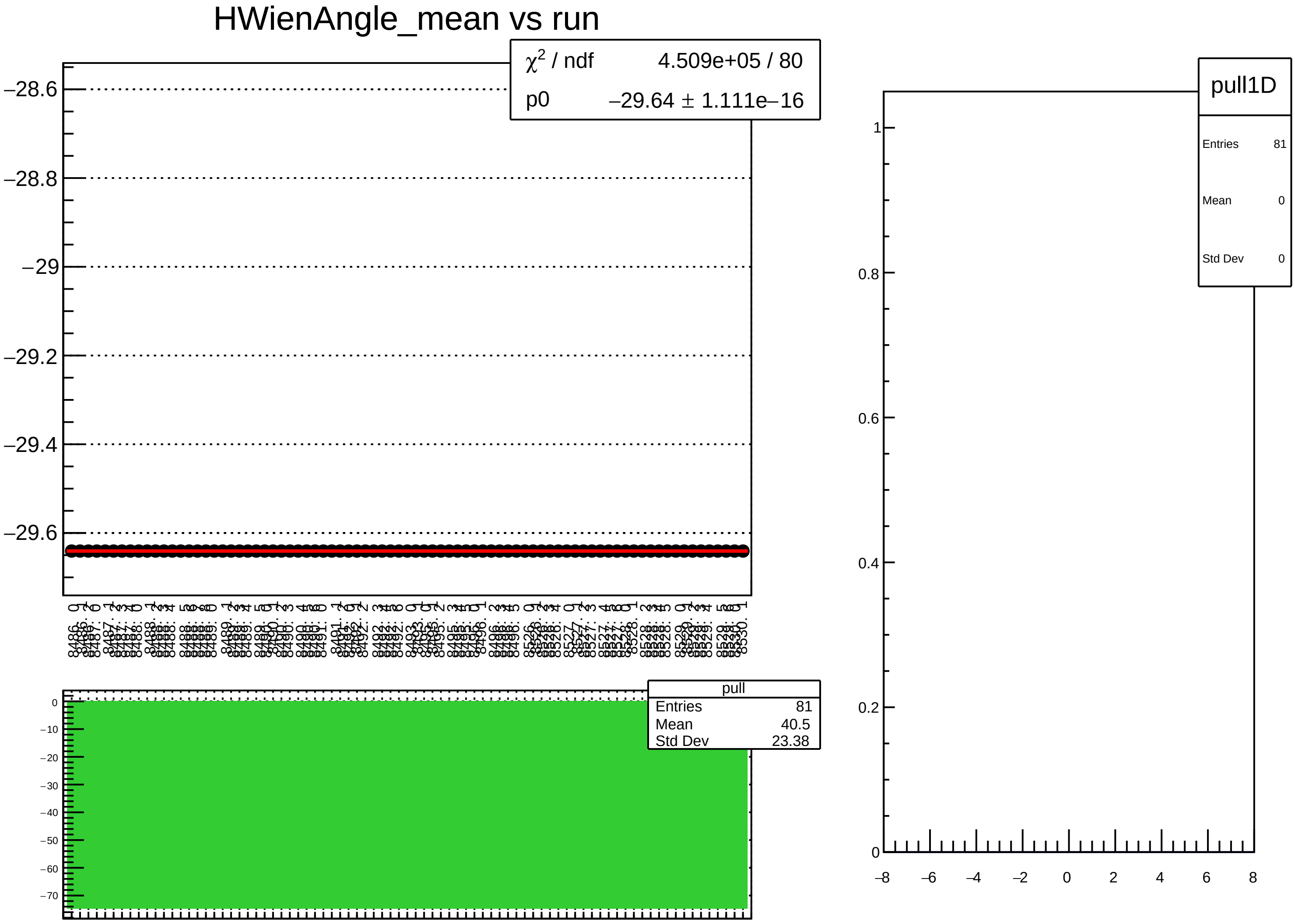


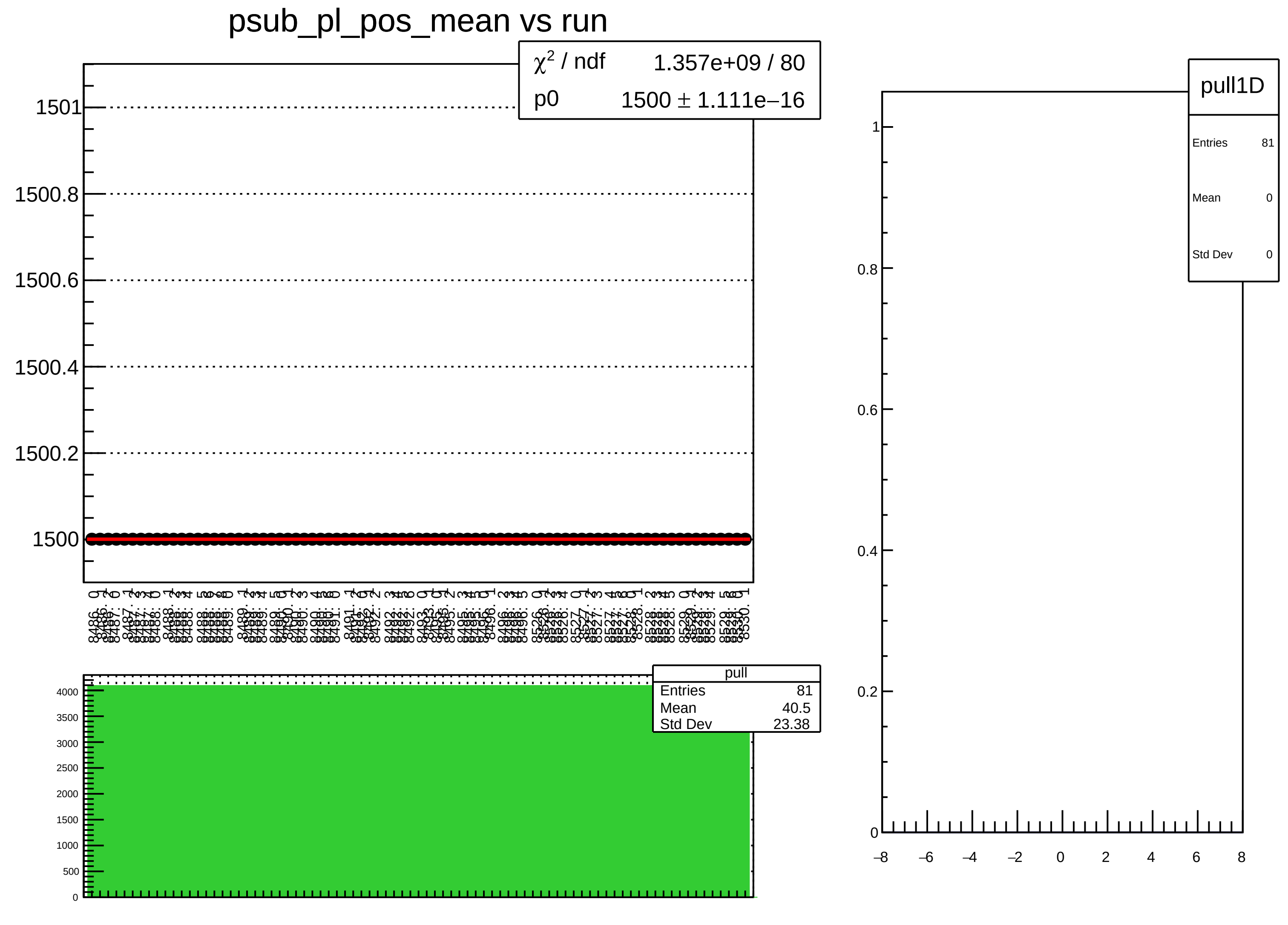
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ2 / ndf 1117 / 80
p0 −32.31 ± 0.4036
pull
Entries 81
Mean −152.7
Std Dev 193.4
pull1D
Entries 81
Mean −0.3443
Std Dev 3.698

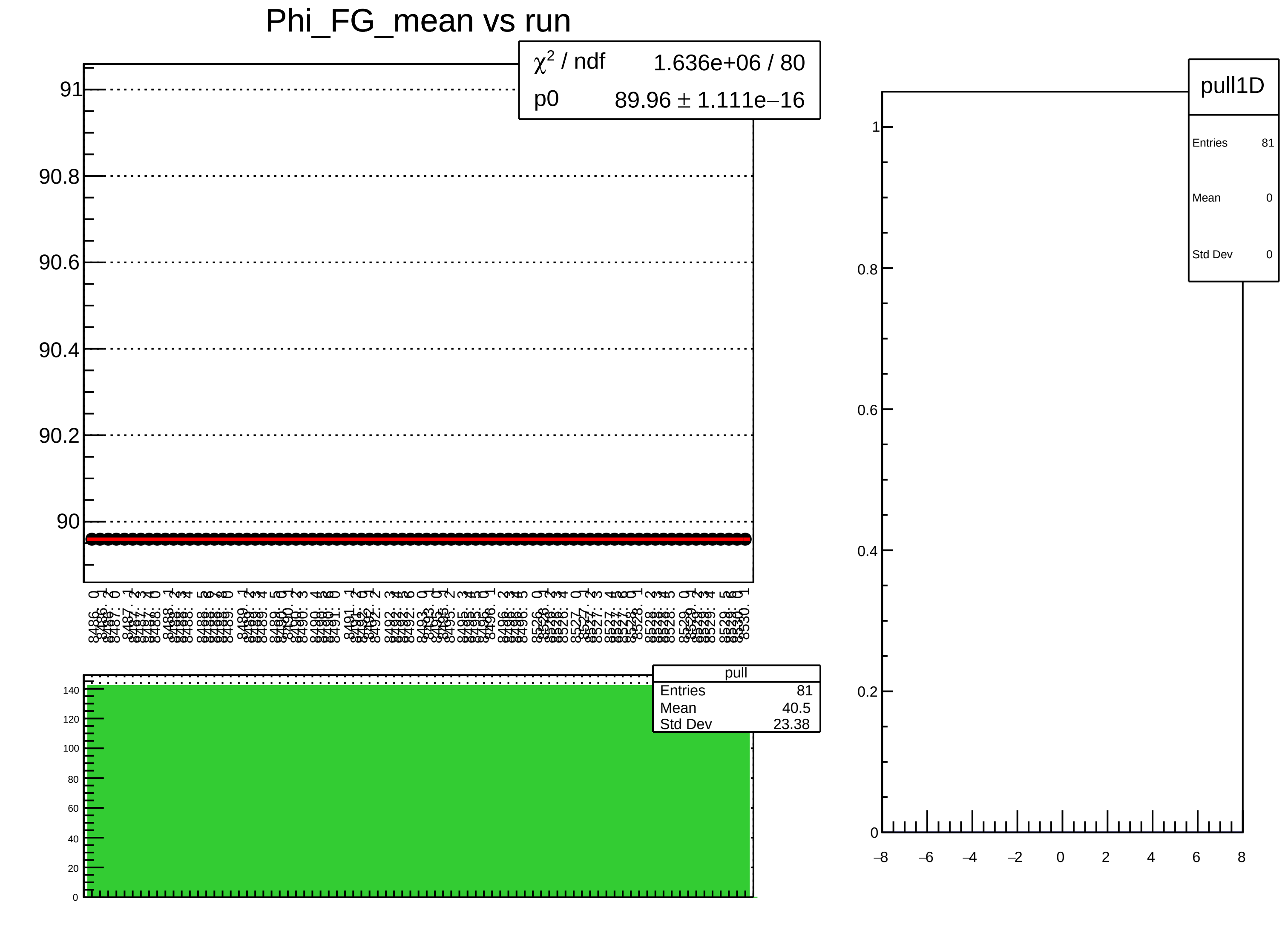

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 965.4 / 80
p0 0.7836 ± 0.02406
pull
Entries 81
Mean −98.4
Std Dev 143.7
pull1D
Entries 81
Mean 0.3883
Std Dev 3.43



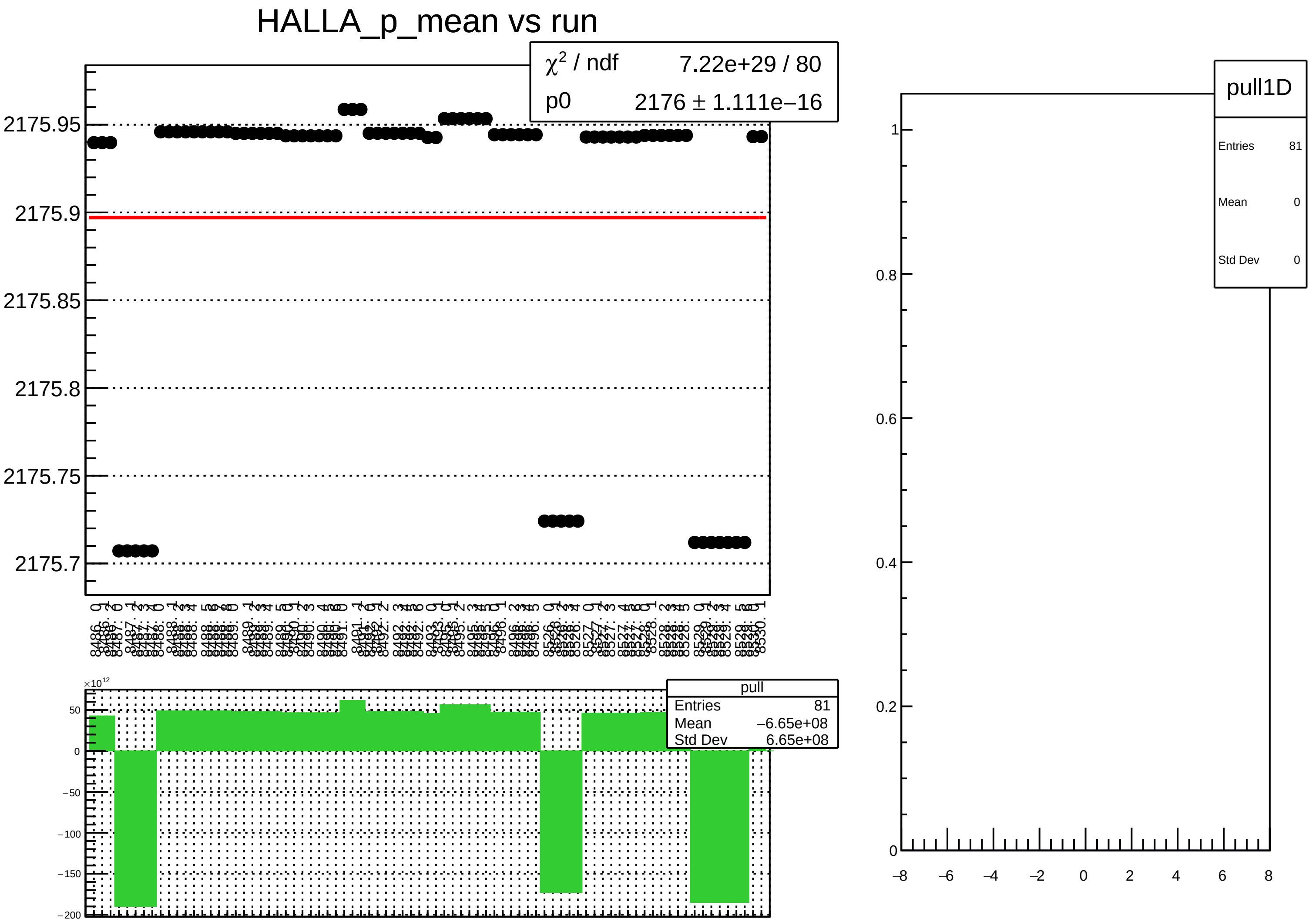
VWienAngle_mean vs run
χ^2 / ndf 6.543e+04 / 80
p0 88 ± 1.111e−16
89
88.8
88.6
88.4
88.2
88
pull
Entries 81
Mean 40.5
Std Dev 23.38
0
−5
−10
−15
−20
−25
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


HWienAngle_mean vs run
χ^2 / ndf 4.509e+05 / 80
p0 −29.64 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0
Std Dev 0

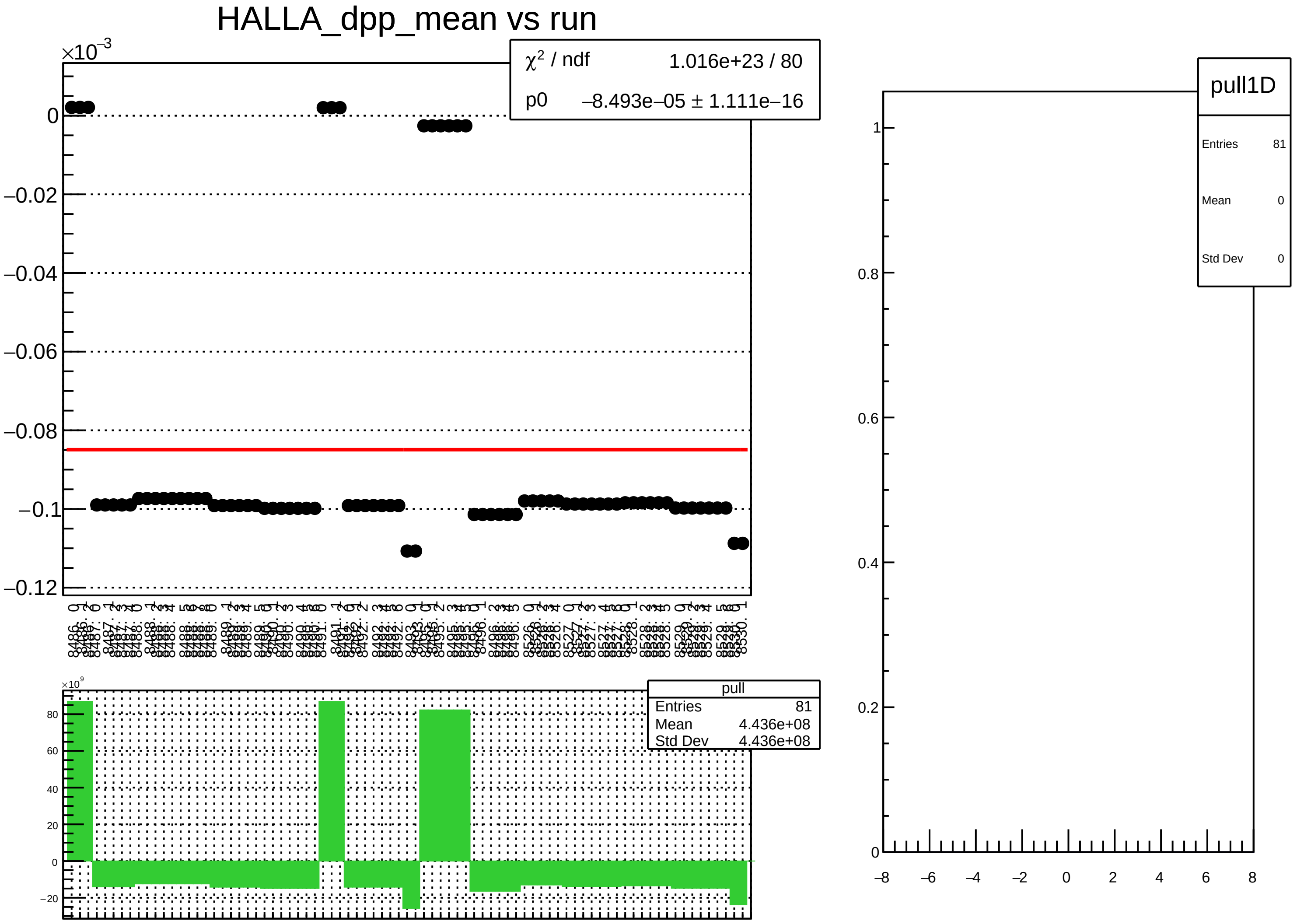

psub_pl_pos_mean vs run
χ^2 / ndf 1.357e+09 / 80
p0 1500 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0
Std Dev 0

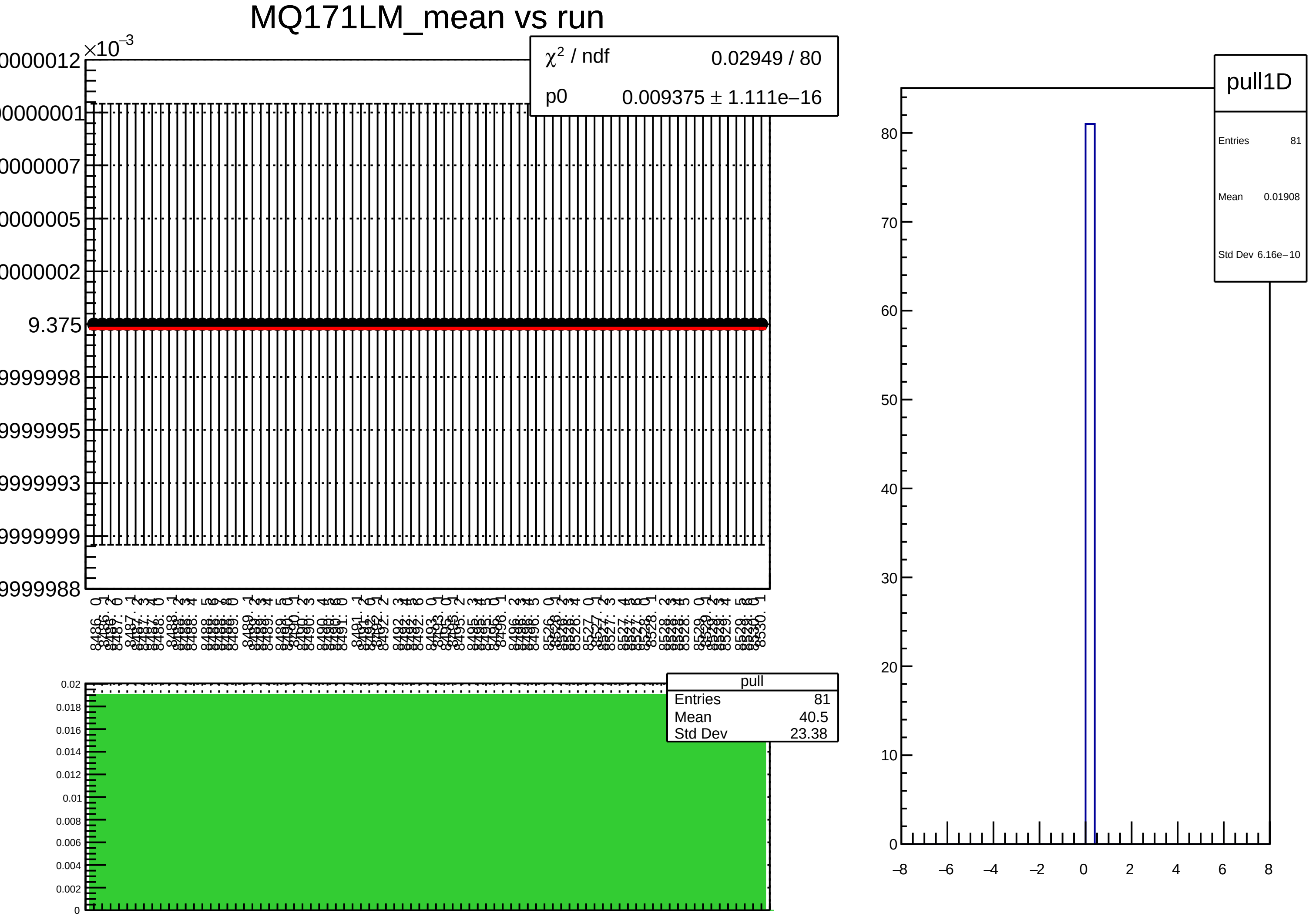


Phi_FG_mean vs run
χ^2 / ndf 1.636e+06 / 80
p0 89.96 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0
Std Dev 0

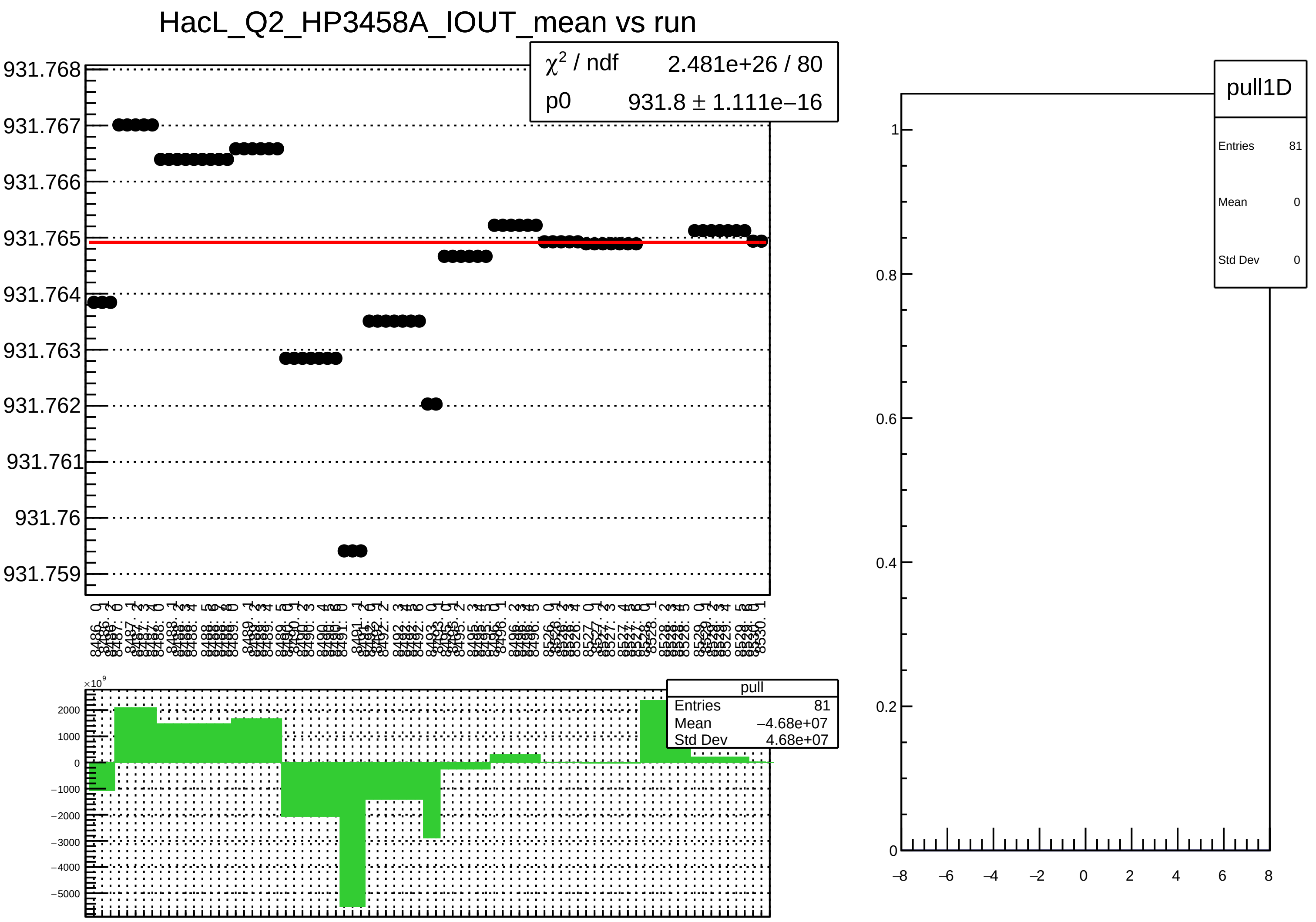


HALLA_p_mean vs run
χ^2 / ndf 7.22e+29 / 80
p0 2176 ± 1.111e−16
2175.95
2175.9
2175.85
2175.8
2175.75
2175.7
pull
Entries 81
Mean −6.65e+08
Std Dev 6.65e+08
pull1D
Entries 81
Mean 0
Std Dev 0

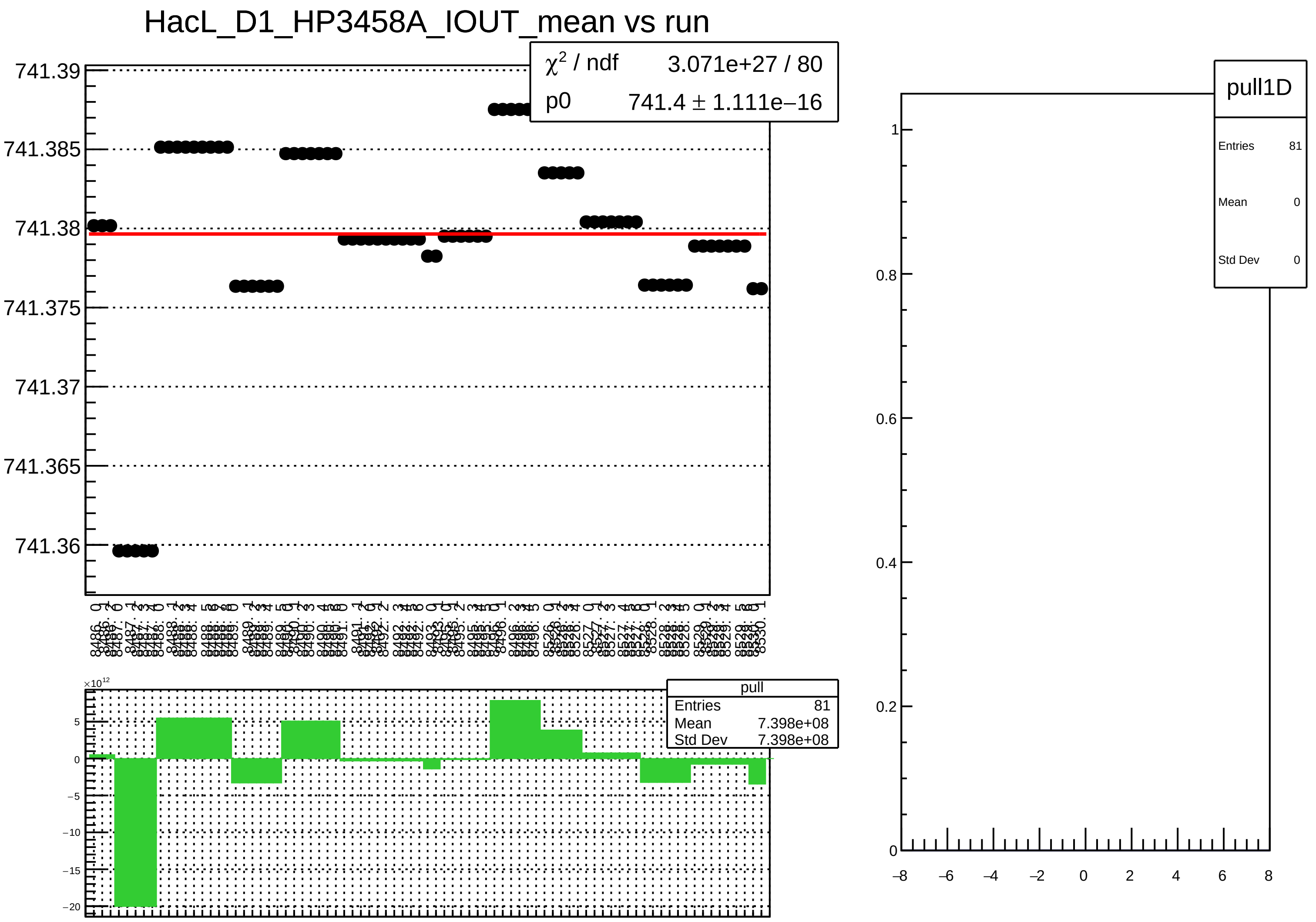

HALLA_dpp_mean vs run
χ² / ndf 1.016e+23 / 80
p0 −8.493e−05 ± 1.111e−16
pull
Entries 81
Mean 4.436e+08
Std Dev 4.436e+08
pull1D
Entries 81
Mean 0
Std Dev 0

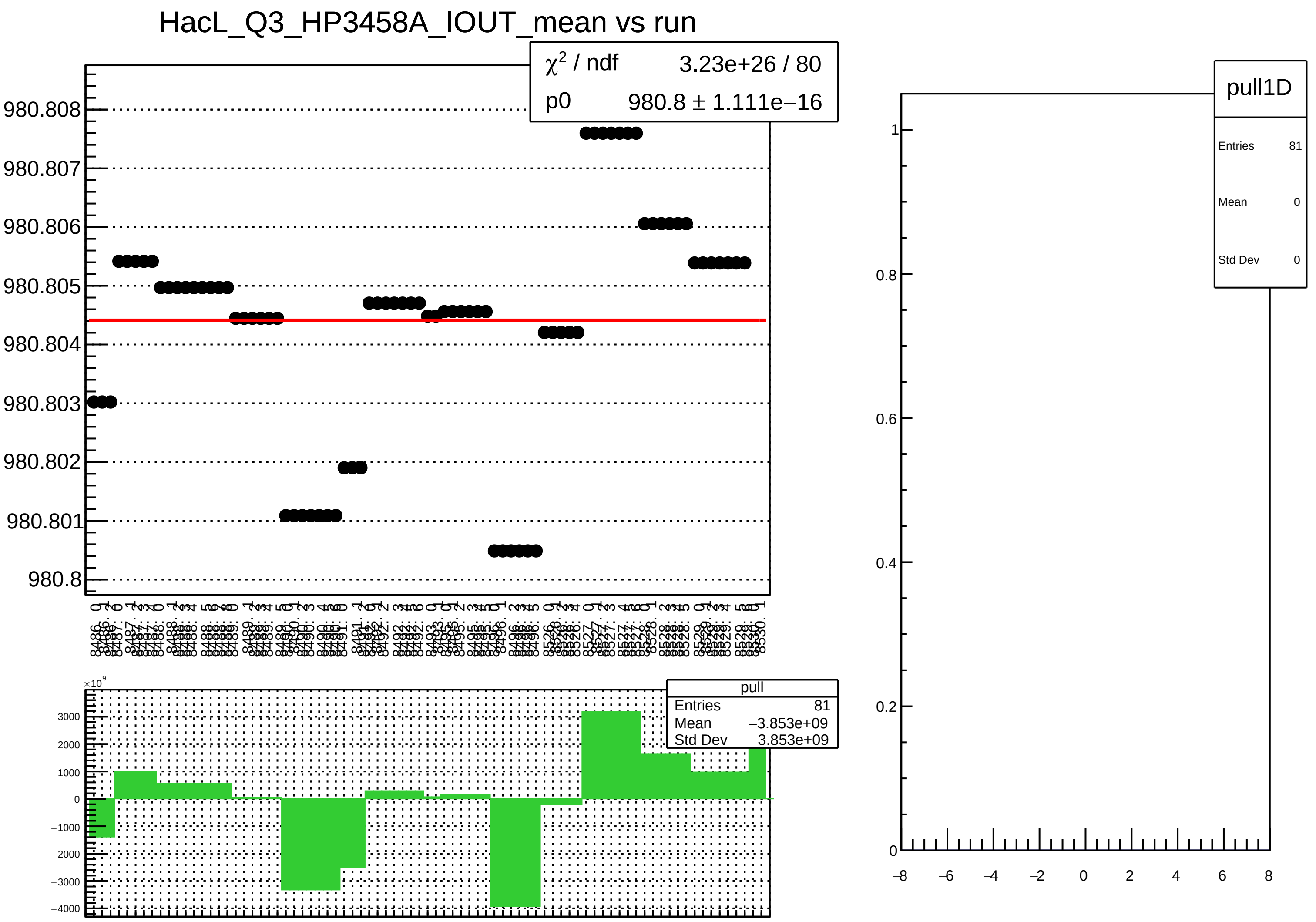


MQ171LM_mean vs run
χ2 / ndf 0.02949 / 80
p0 0.009375 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0.01908
Std Dev 6.16e−10



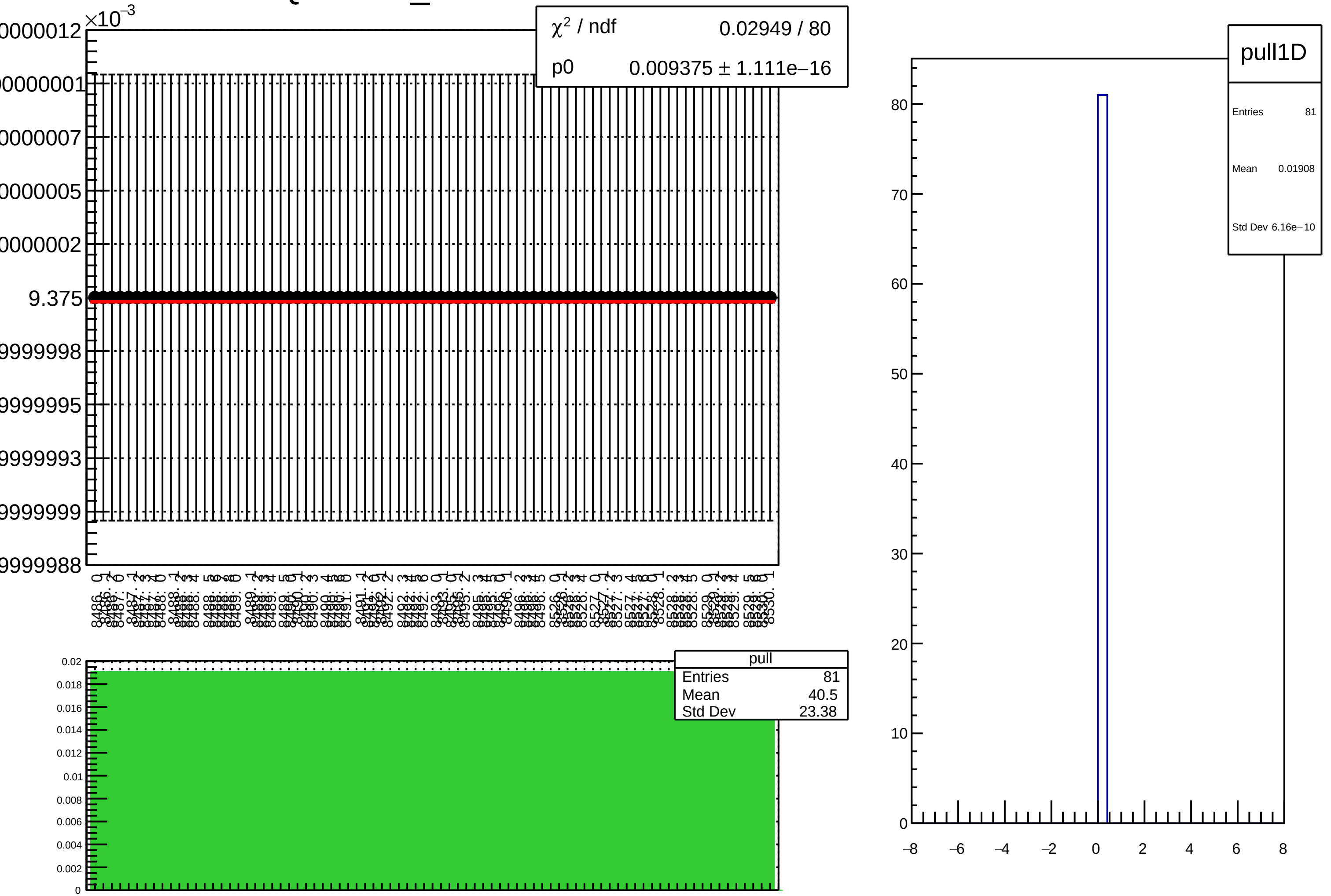
HacL_Q2_HP3458A_IOUT_mean vs run
χ^2 / ndf 2.481e+26 / 80
p0 931.8 ± 1.111e−16
pull
Entries 81
Mean −4.68e+07
Std Dev 4.68e+07
pull1D
Entries 81
Mean 0
Std Dev 0

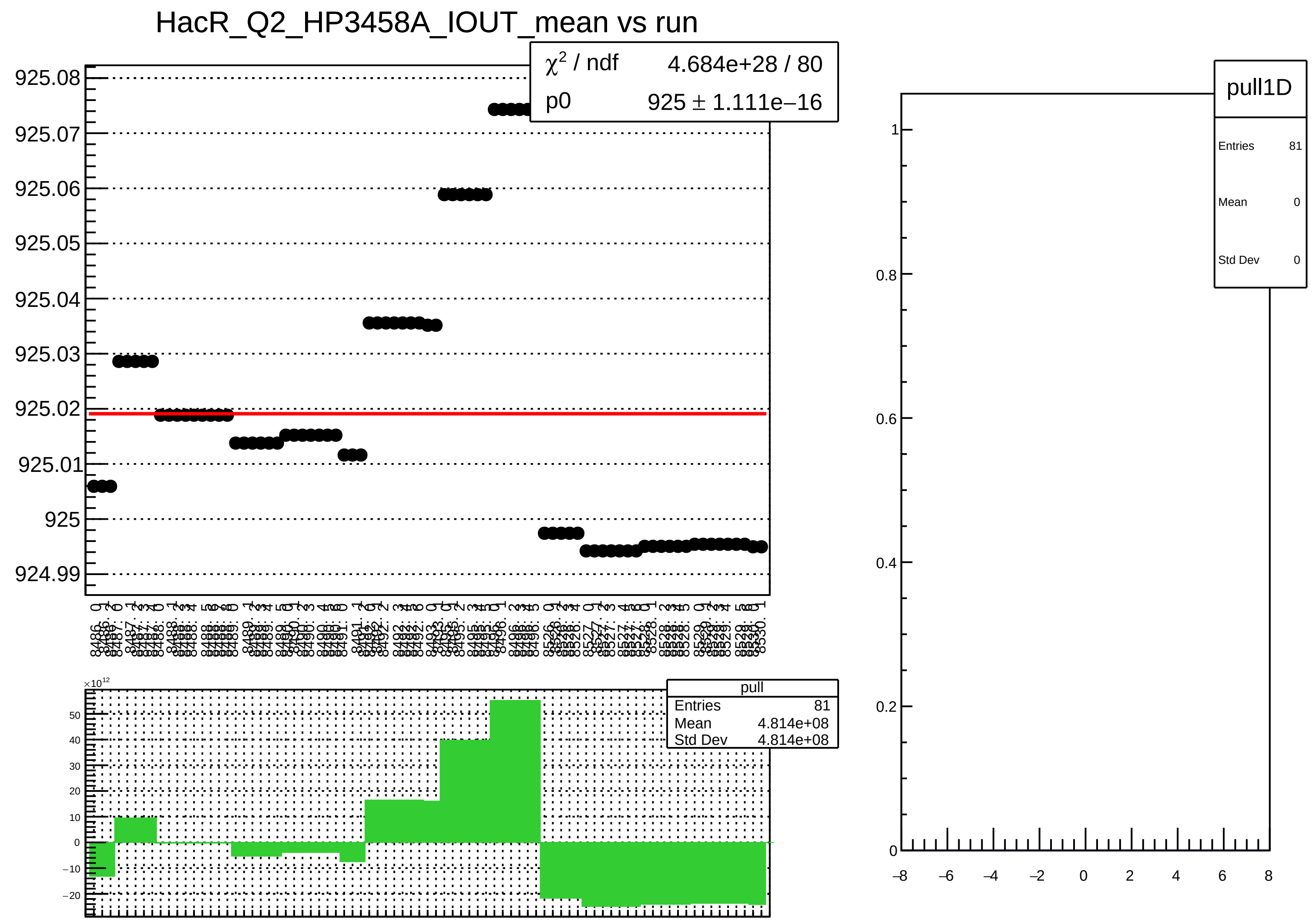

HacL_D1_HP3458A_IOUT_mean vs run
χ^2 / ndf 3.071e+27 / 80
p0 741.4 ± 1.111e−16
741.39
741.385
741.38
741.375
741.37
741.365
741.36
$\times 10^{12}$
5
0
−5
−10
−15
−20
pull
Entries 81
Mean 7.398e+08
Std Dev 7.398e+08
pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

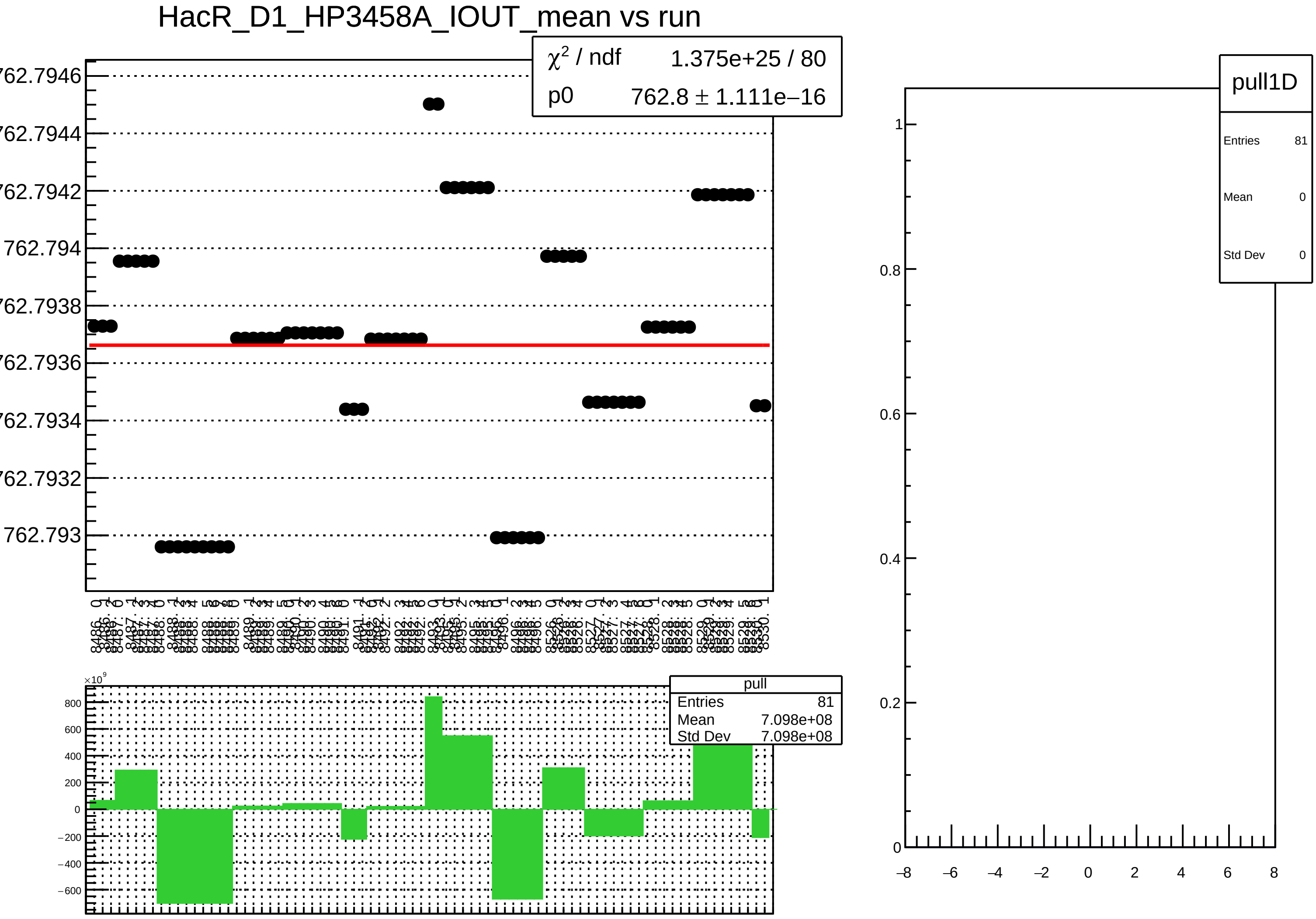


HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.23e+26 / 80
p0 980.8 ± 1.111e−16
980.808
980.807
980.806
980.805
980.804
980.803
980.802
980.801
980.8
pull
Entries 81
Mean −3.853e+09
Std Dev 3.853e+09
×10⁹
pull1D
Entries 81
Mean 0
Std Dev 0

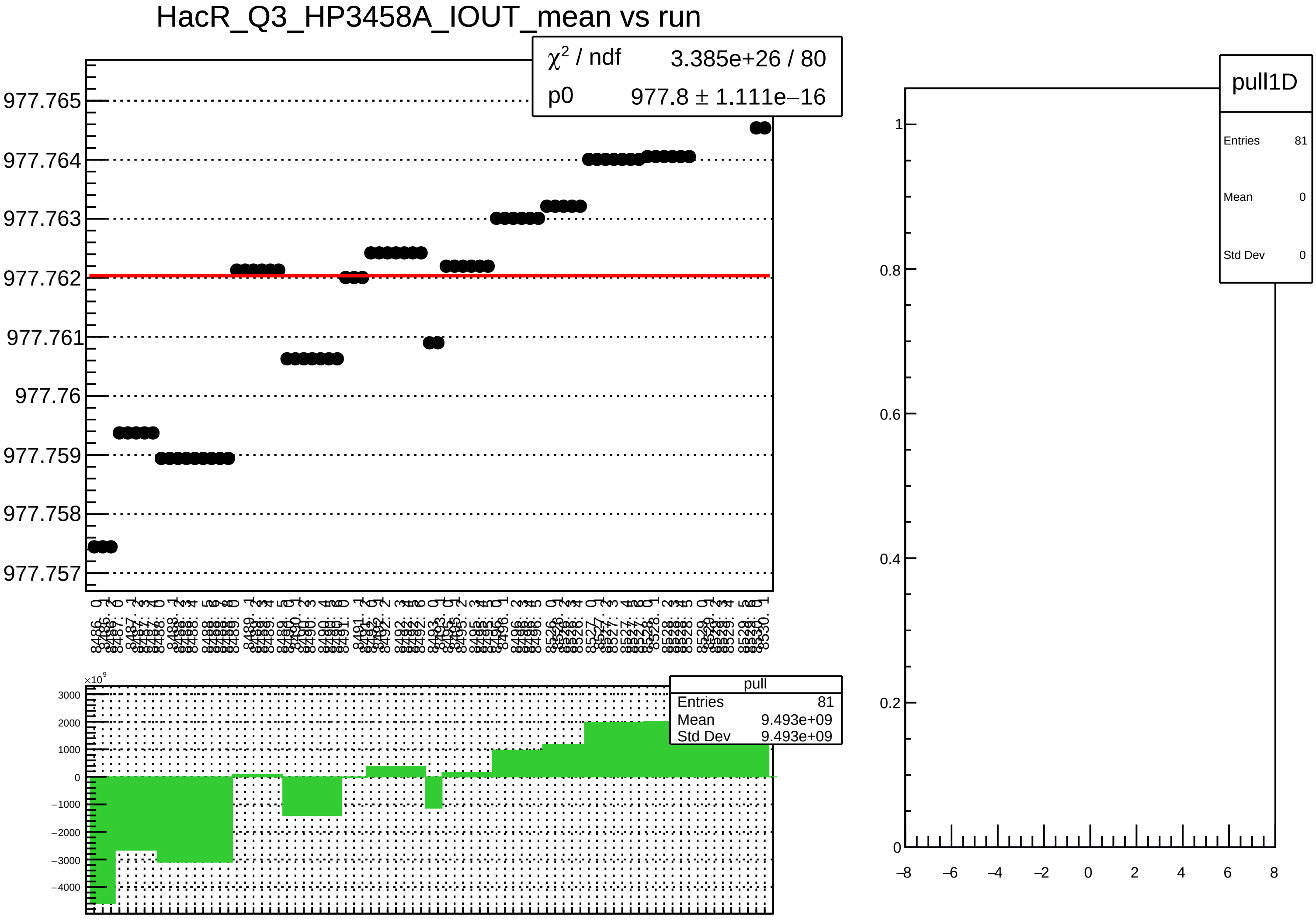
MQ172RM_mean vs run



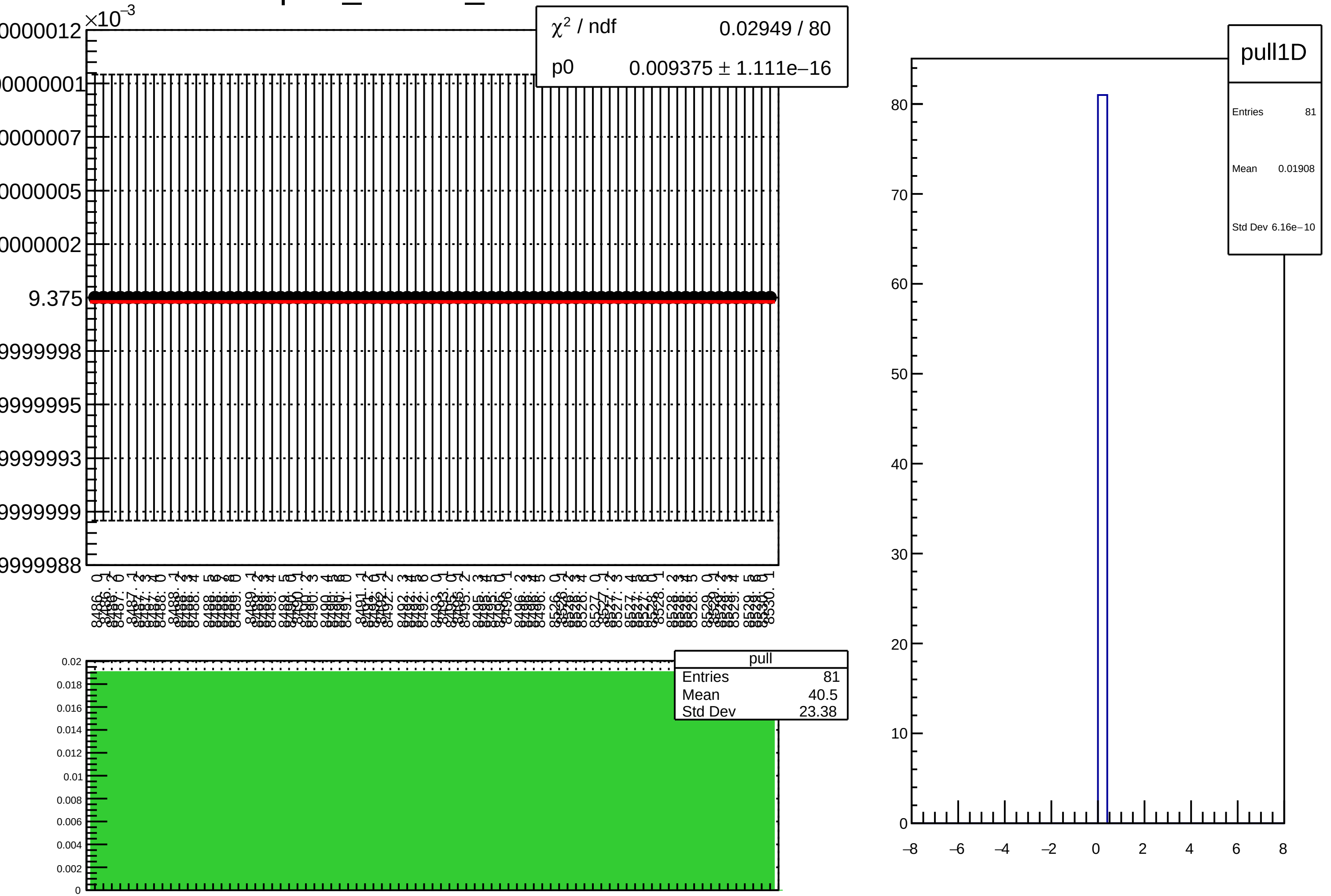

HacR_Q2_HP3458A_IOUT_mean vs run
χ^2 / ndf 4.684e+28 / 80
p0 925 ± 1.111e−16
pull
Entries 81
Mean 4.814e+08
Std Dev 4.814e+08
pull1D
Entries 81
Mean 0
Std Dev 0

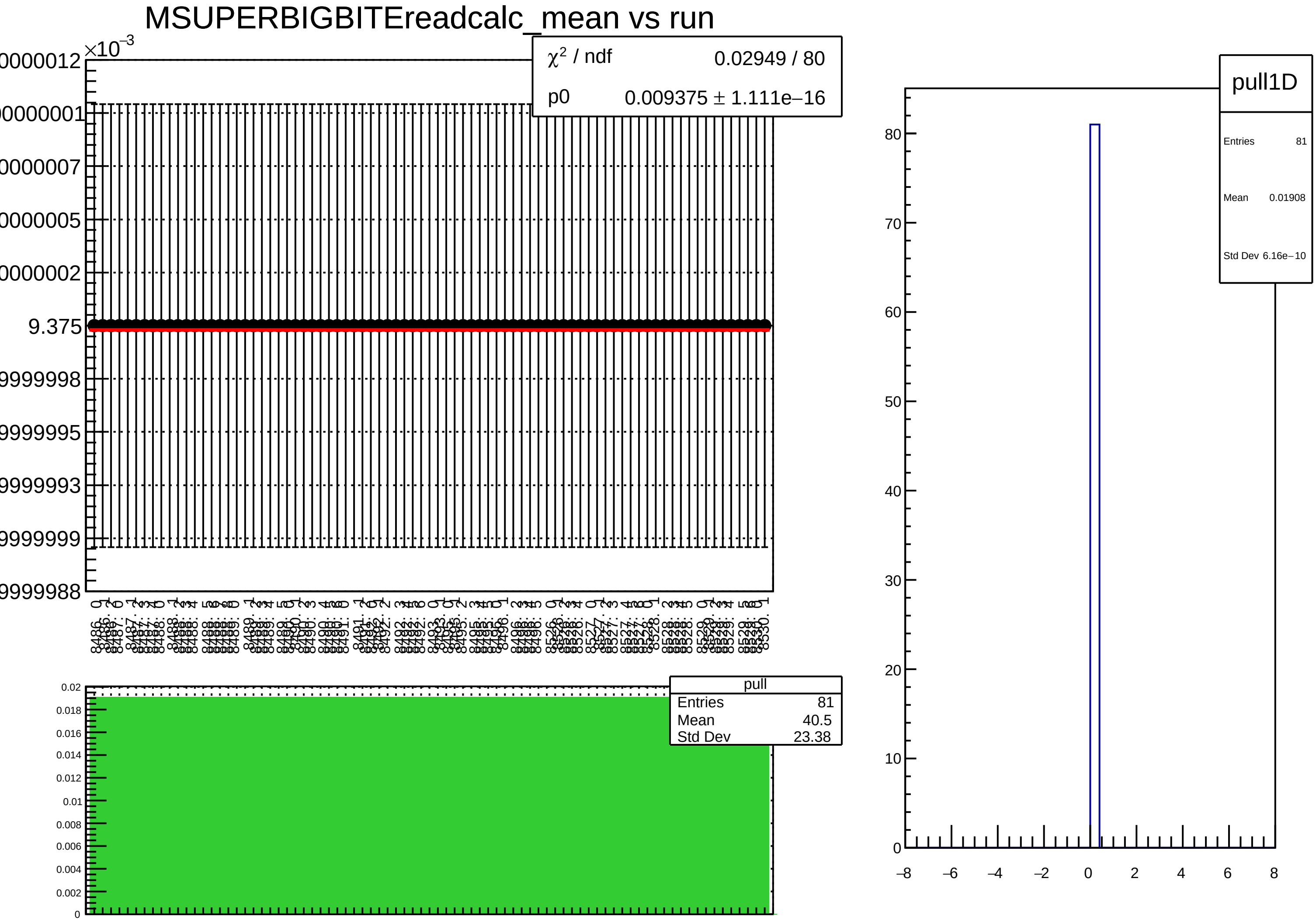


HacR_D1_HP3458A_IOUT_mean vs run
χ2 / ndf 1.375e+25 / 80
p0 762.8 ± 1.111e−16
pull
Entries 81
Mean 7.098e+08
Std Dev 7.098e+08
pull1D
Entries 81
Mean 0
Std Dev 0

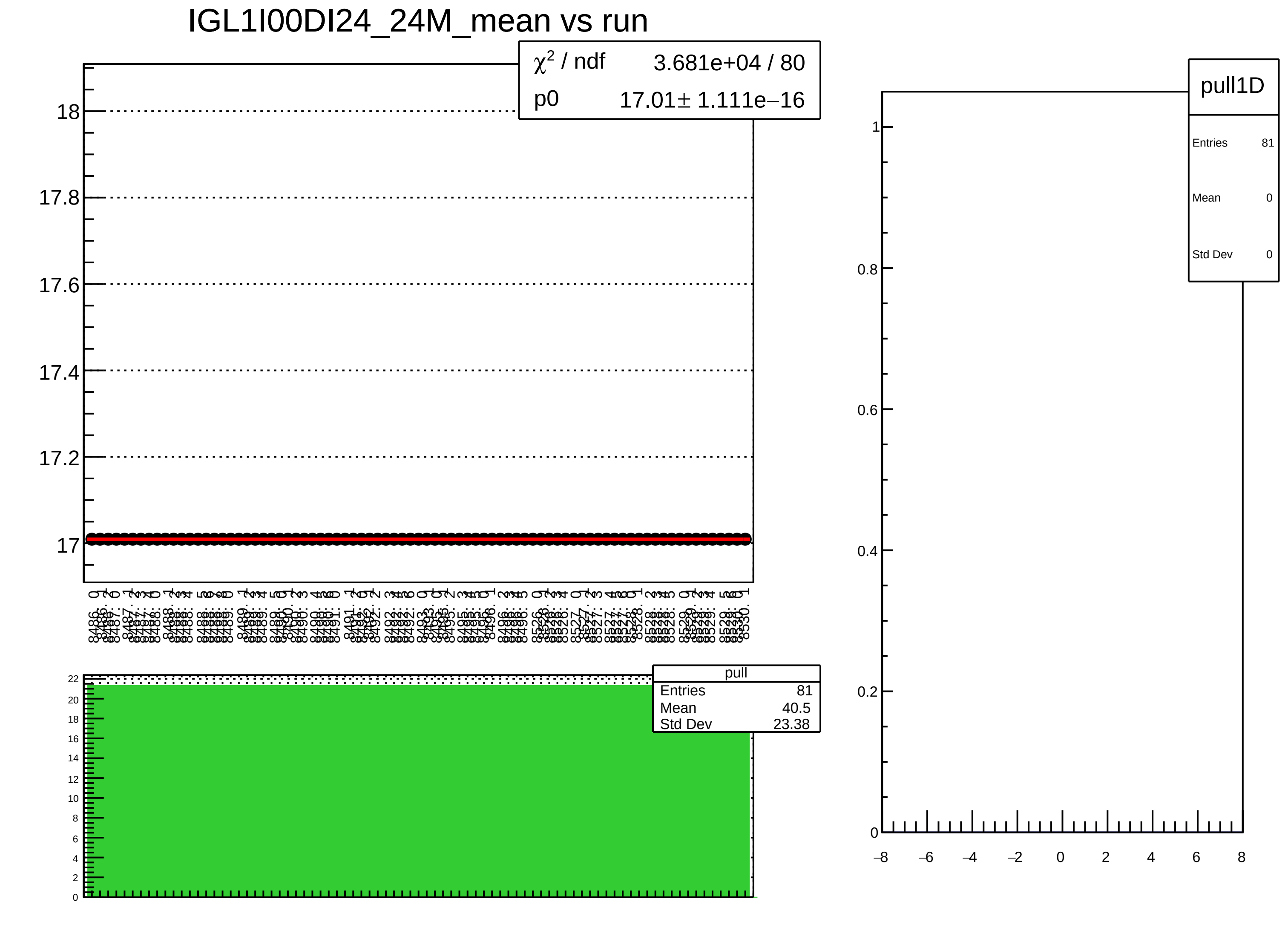

HacR_Q3_HP3458A_IOUT_mean vs run
χ^2 / ndf 3.385e+26 / 80
p0 977.8 ± 1.111e−16
977.765
977.764
977.763
977.762
977.761
977.76
977.759
977.758
977.757
pull
Entries 81
Mean 9.493e+09
Std Dev 9.493e+09
pull1D
Entries 81
Mean 0
Std Dev 0

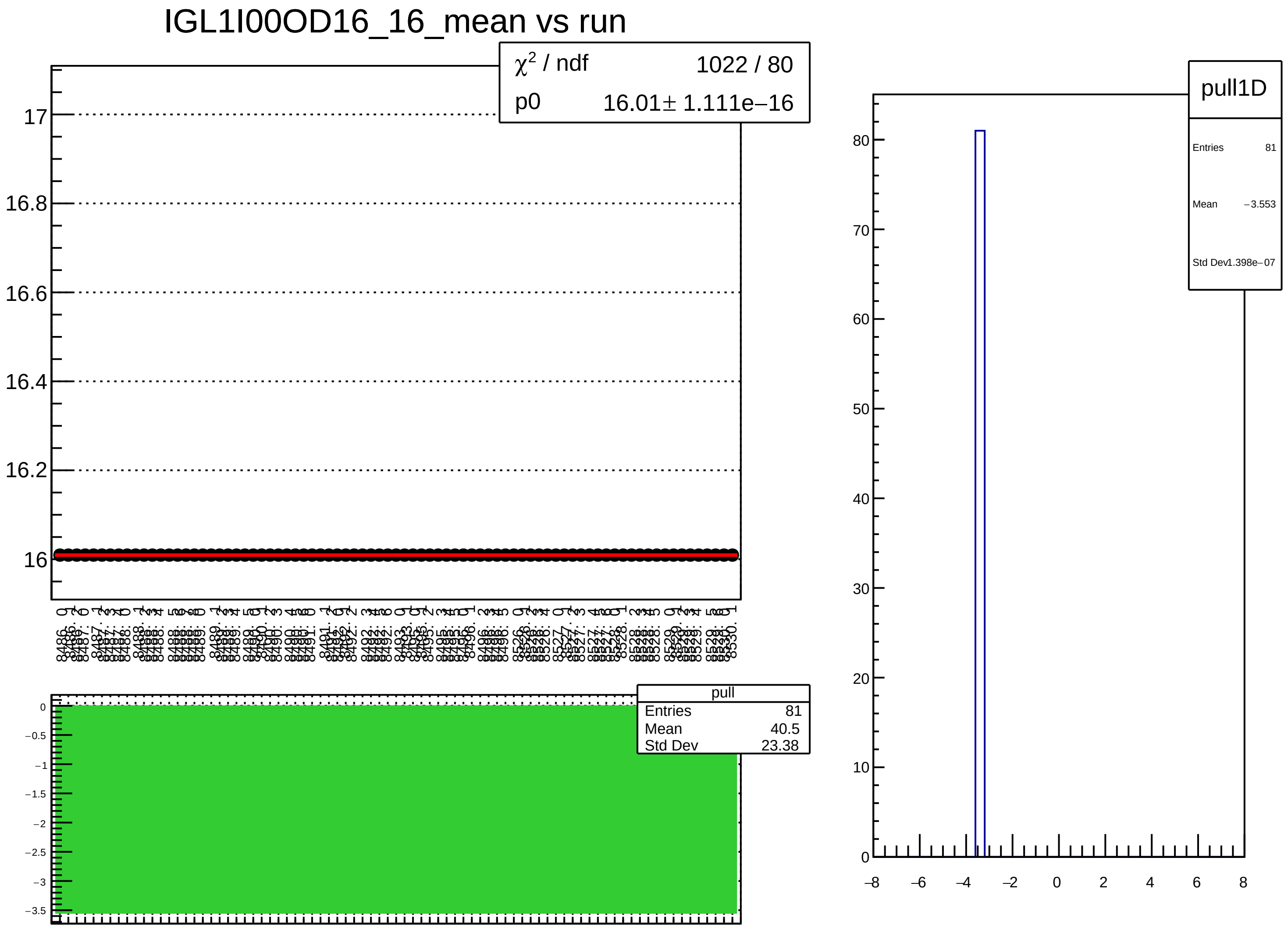
hesDipole_current_mean vs run

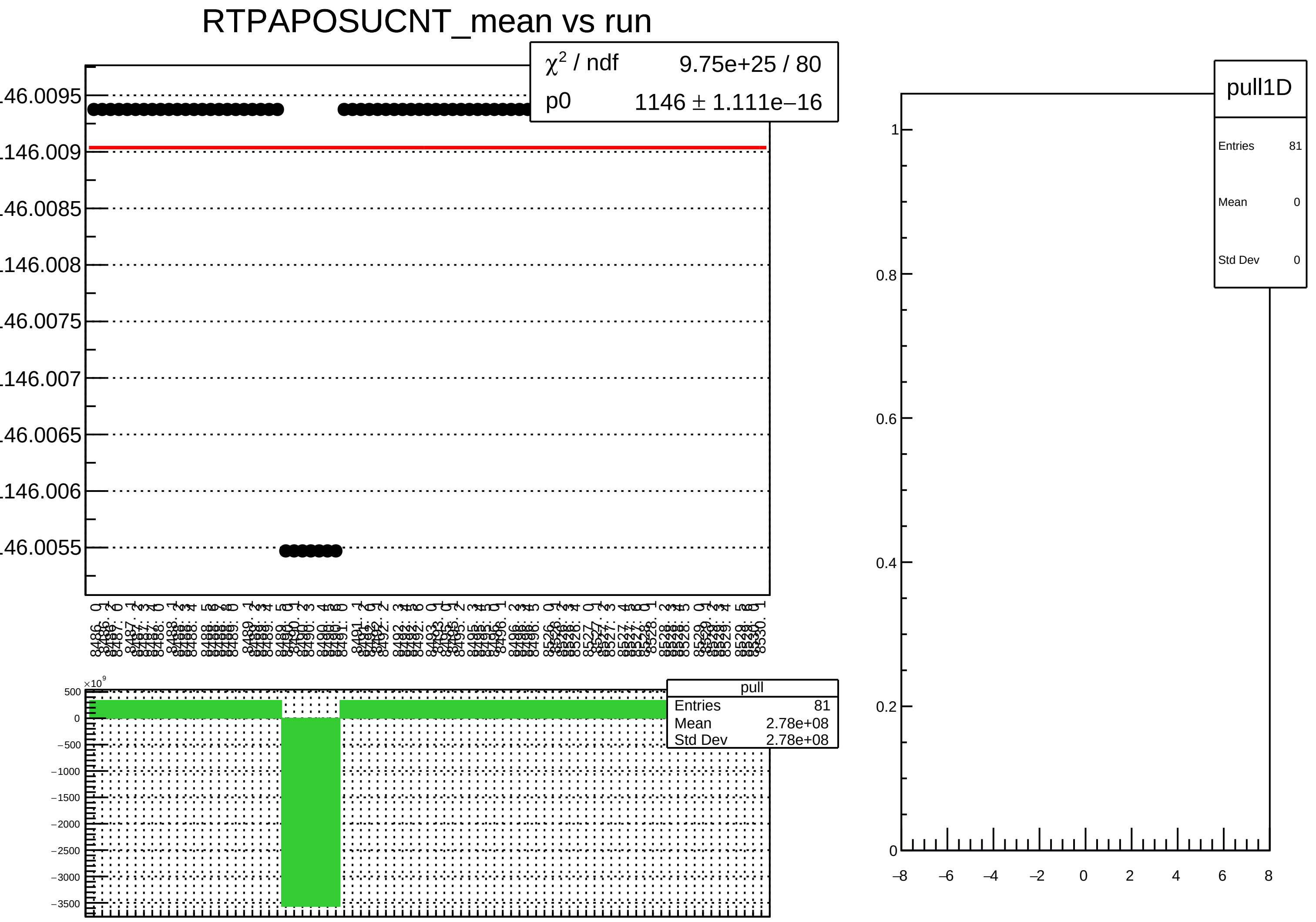




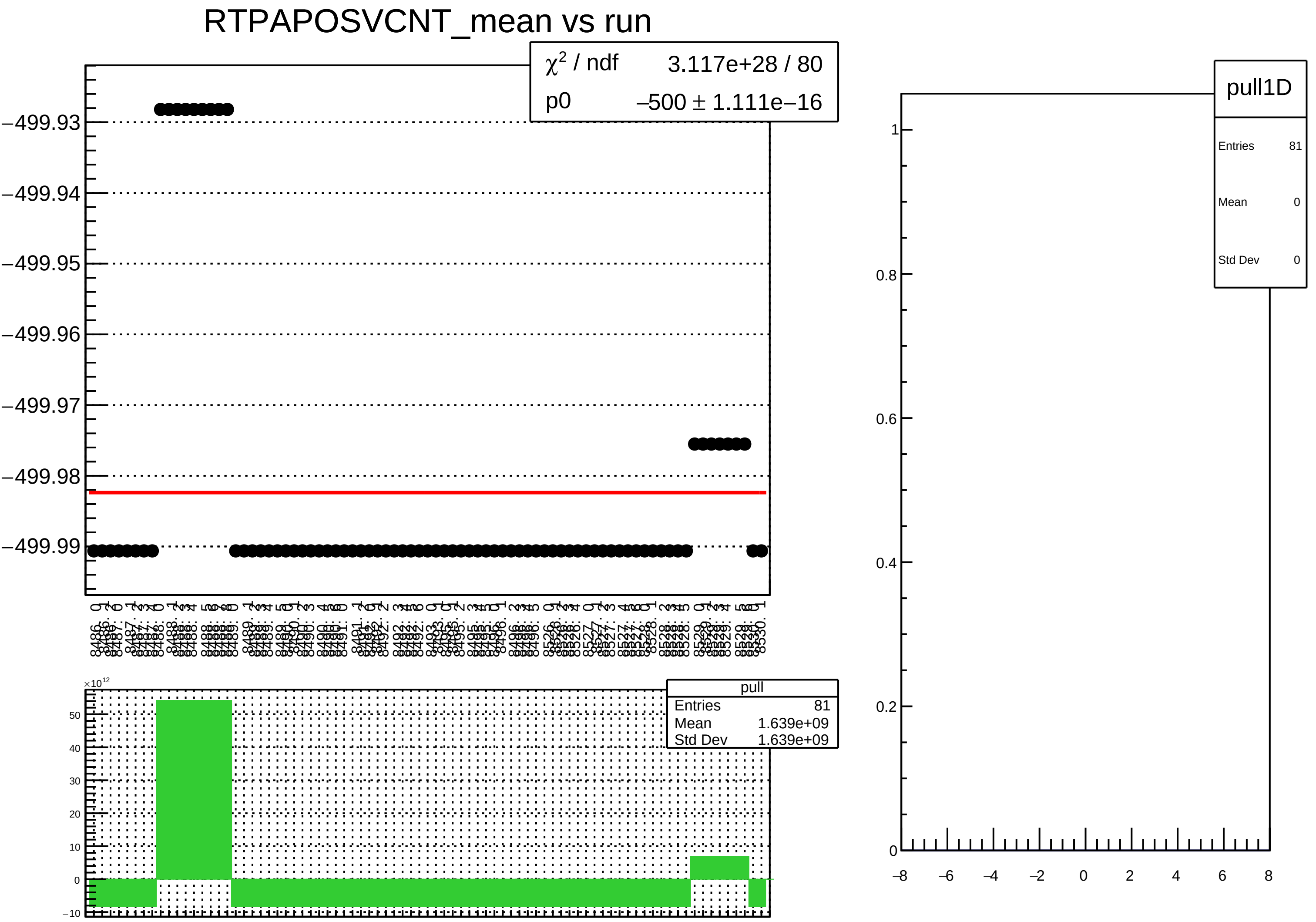
MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.02949 / 80
p0 0.009375 ± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0.01908
Std Dev 6.16e−10


IGL1I00DI24_24M_mean vs run
χ^2 / ndf 3.681e+04 / 80
p0 17.01± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean 0
Std Dev 0

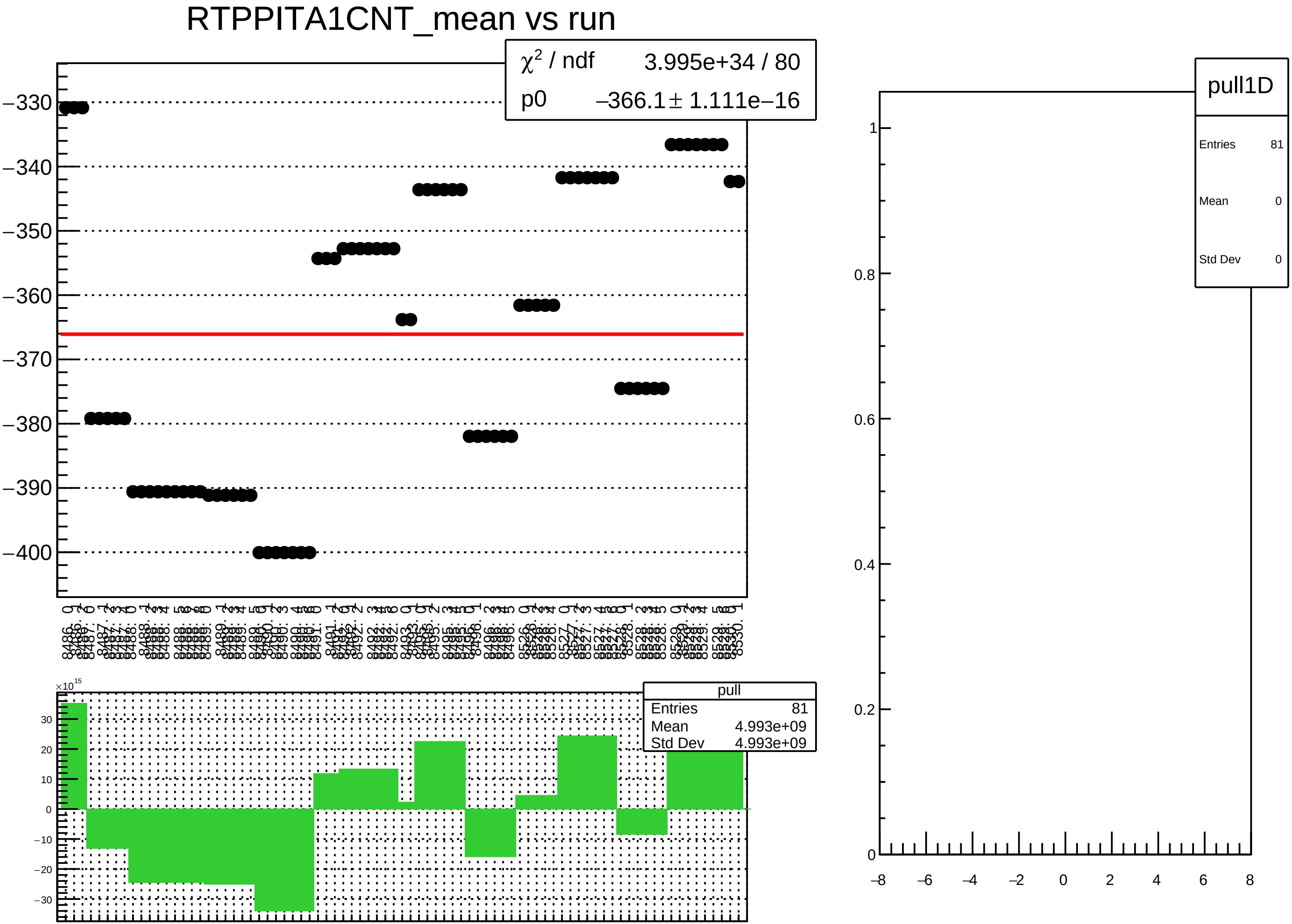

IGL1I00OD16_16_mean vs run
χ^2 / ndf 1022 / 80
p0 16.01± 1.111e−16
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −3.553
Std Dev1.398e−07



RTPAPOSUCNT_mean vs run
χ2 / ndf 9.75e+25 / 80
p0 1146 ± 1.111e−16
pull
Entries 81
Mean 2.78e+08
Std Dev 2.78e+08
pull1D
Entries 81
Mean 0
Std Dev 0



RTPAPOSVCNT_mean vs run
χ^2 / ndf 3.117e+28 / 80
p0 −500 ± 1.111e−16
pull
Entries 81
Mean 1.639e+09
Std Dev 1.639e+09
pull1D
Entries 81
Mean 0
Std Dev 0


RTPPITA1CNT_mean vs run
χ2 / ndf 3.995e+34 / 80
p0 −366.1 ± 1.111e−16
pull
Entries 81
Mean 4.993e+09
Std Dev 4.993e+09
pull1D
Entries 81
Mean 0
Std Dev 0

RTPPITA2CNT_mean vs run