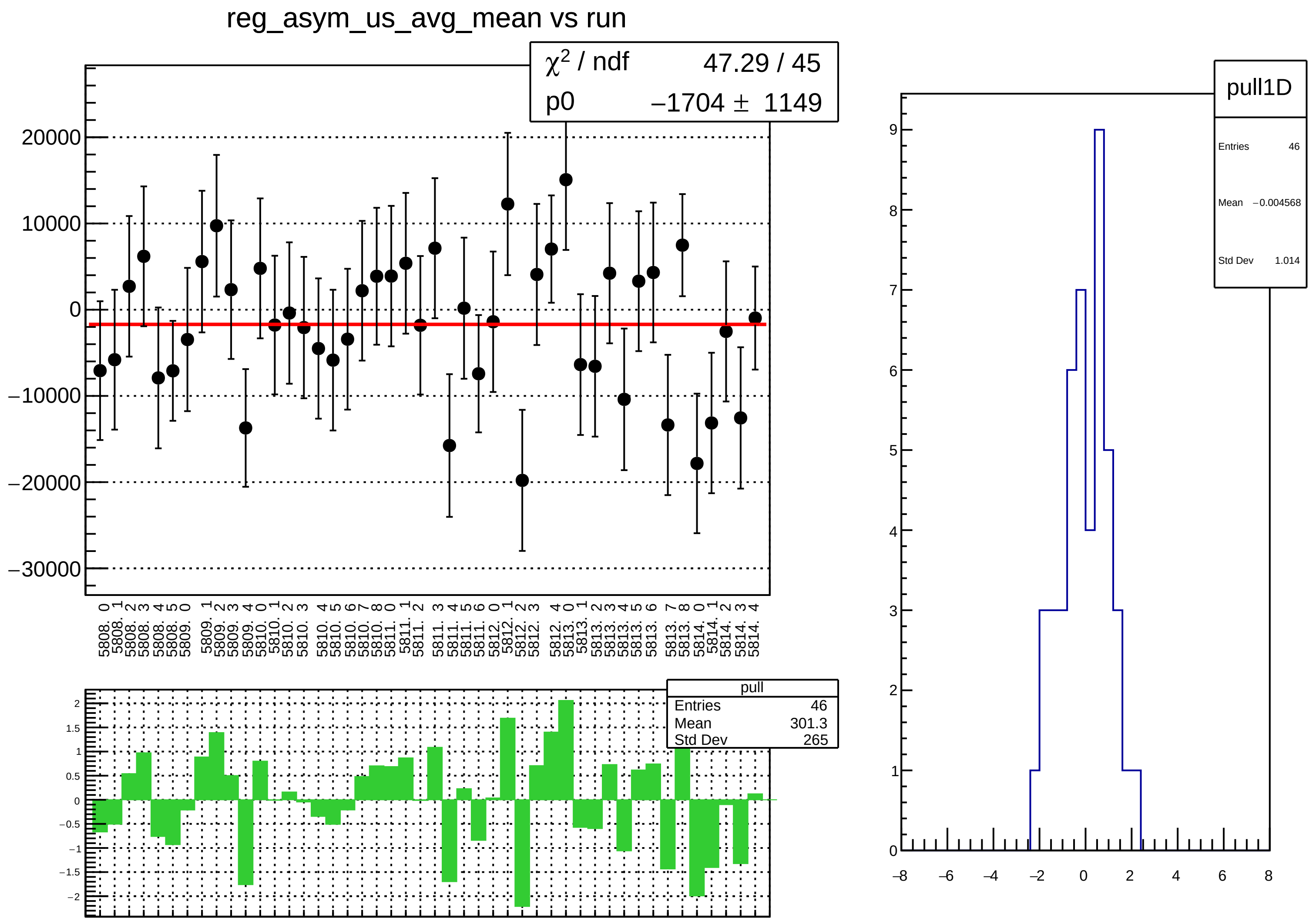
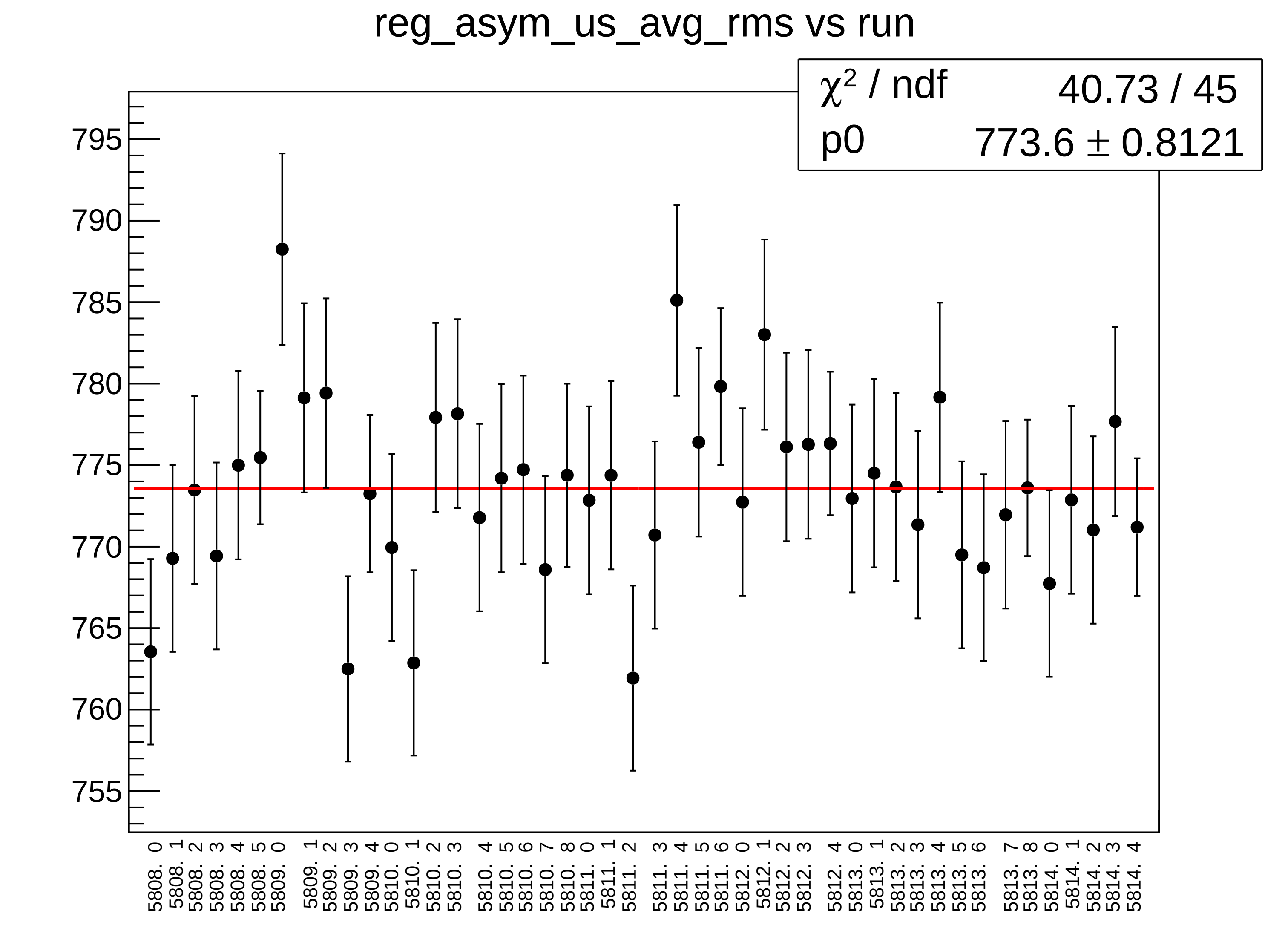

reg_asym_us_avg_mean vs run
χ2 / ndf 47.29 / 45
p0 −1704 ± 1149
pull
Entries 46
Mean 301.3
Std Dev 265
pull1D
Entries 46
Mean −0.004568
Std Dev 1.014


reg_asym_us_avg_rms vs run
χ2 / ndf 40.73 / 45
p0 773.6 ± 0.8121
795
790
785
780
775
770
765
760
755
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
5813. 3
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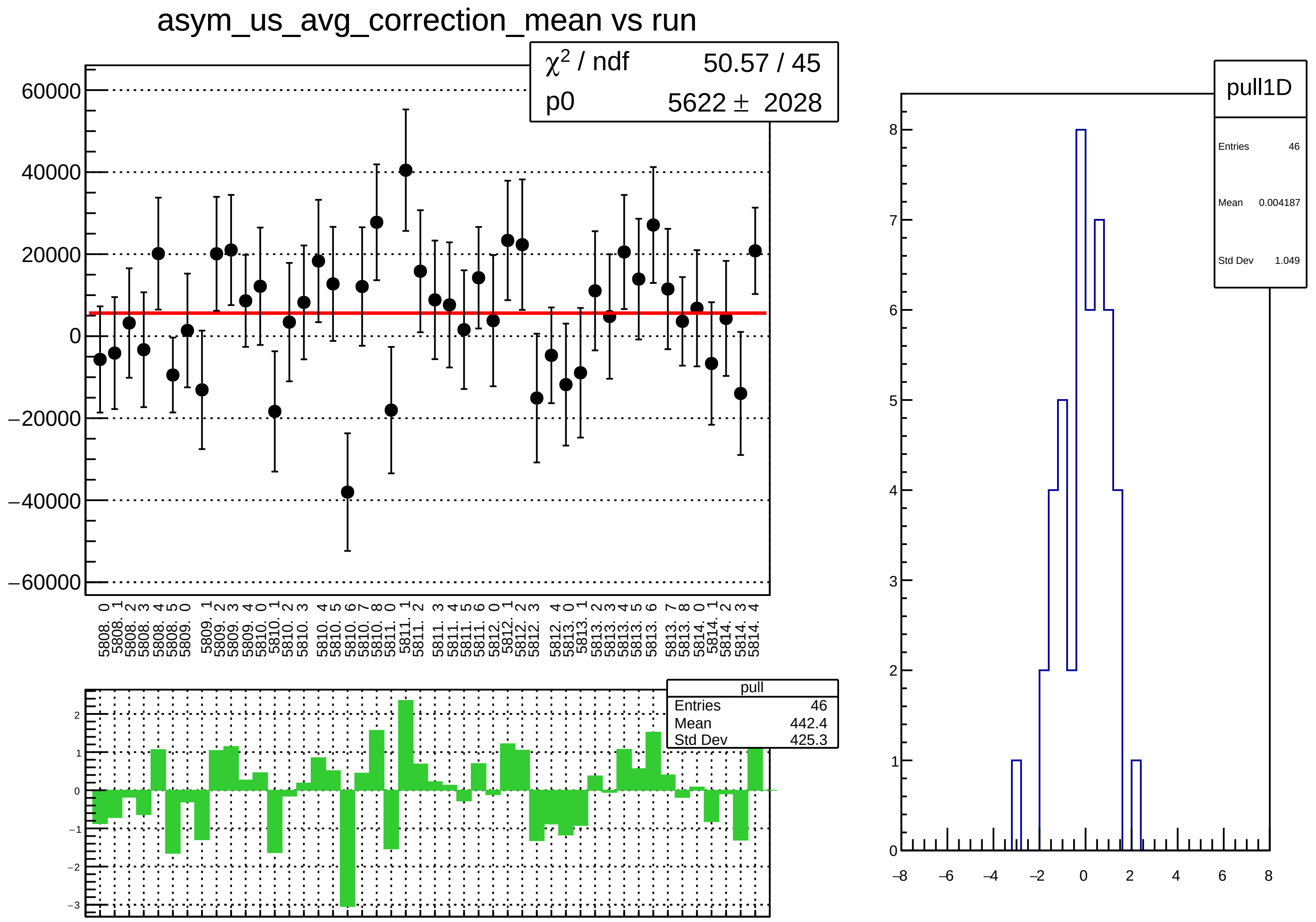
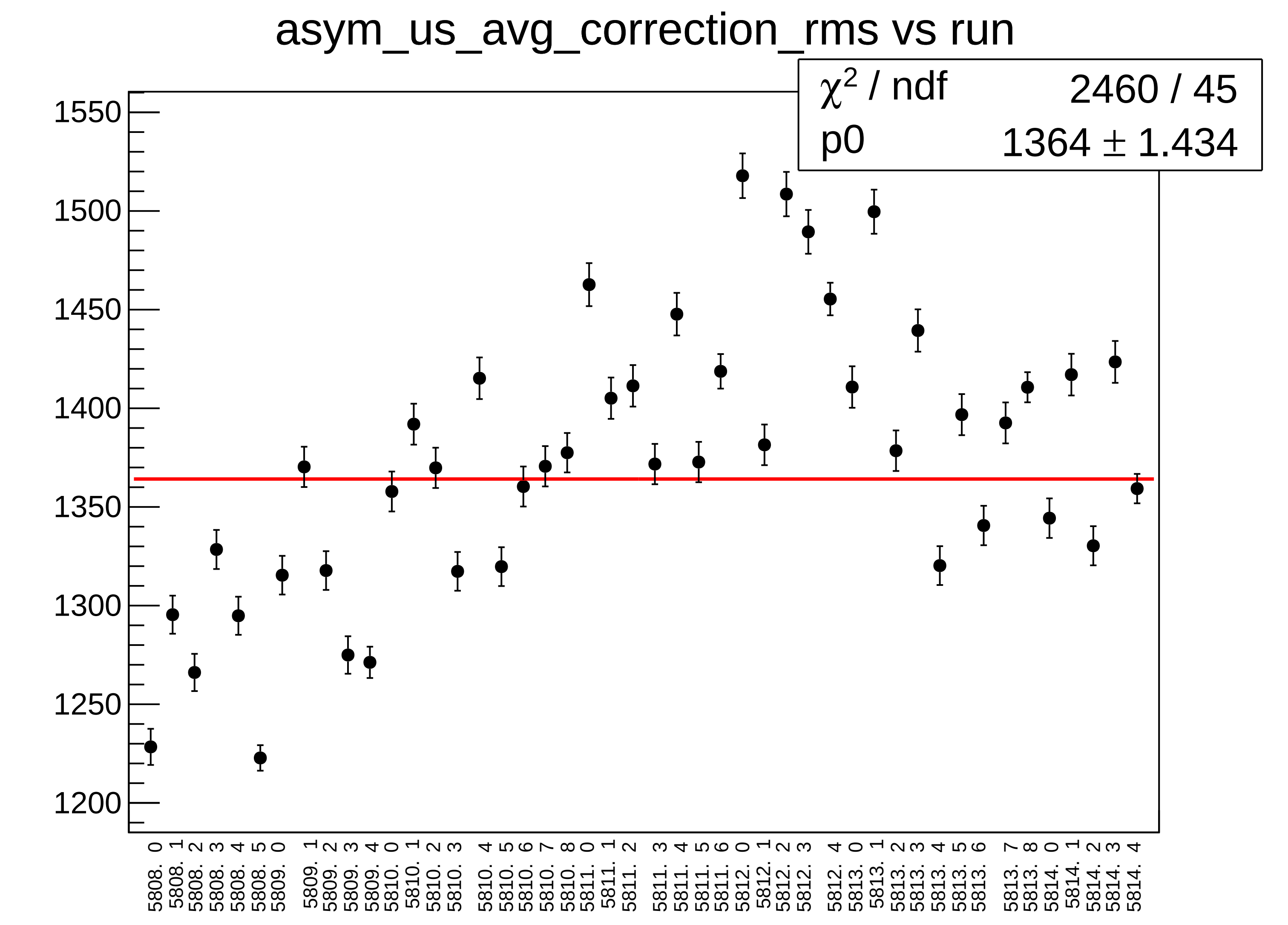
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_us_avg_correction_mean vs run
χ2 / ndf 50.57 / 45
p0 5622 ± 2028
pull
Entries 46
Mean 442.4
Std Dev 425.3
pull1D
Entries 46
Mean 0.004187
Std Dev 1.049


asym_us_avg_correction_rms vs run
χ^2 / ndf 2460 / 45
p0 1364 ± 1.434
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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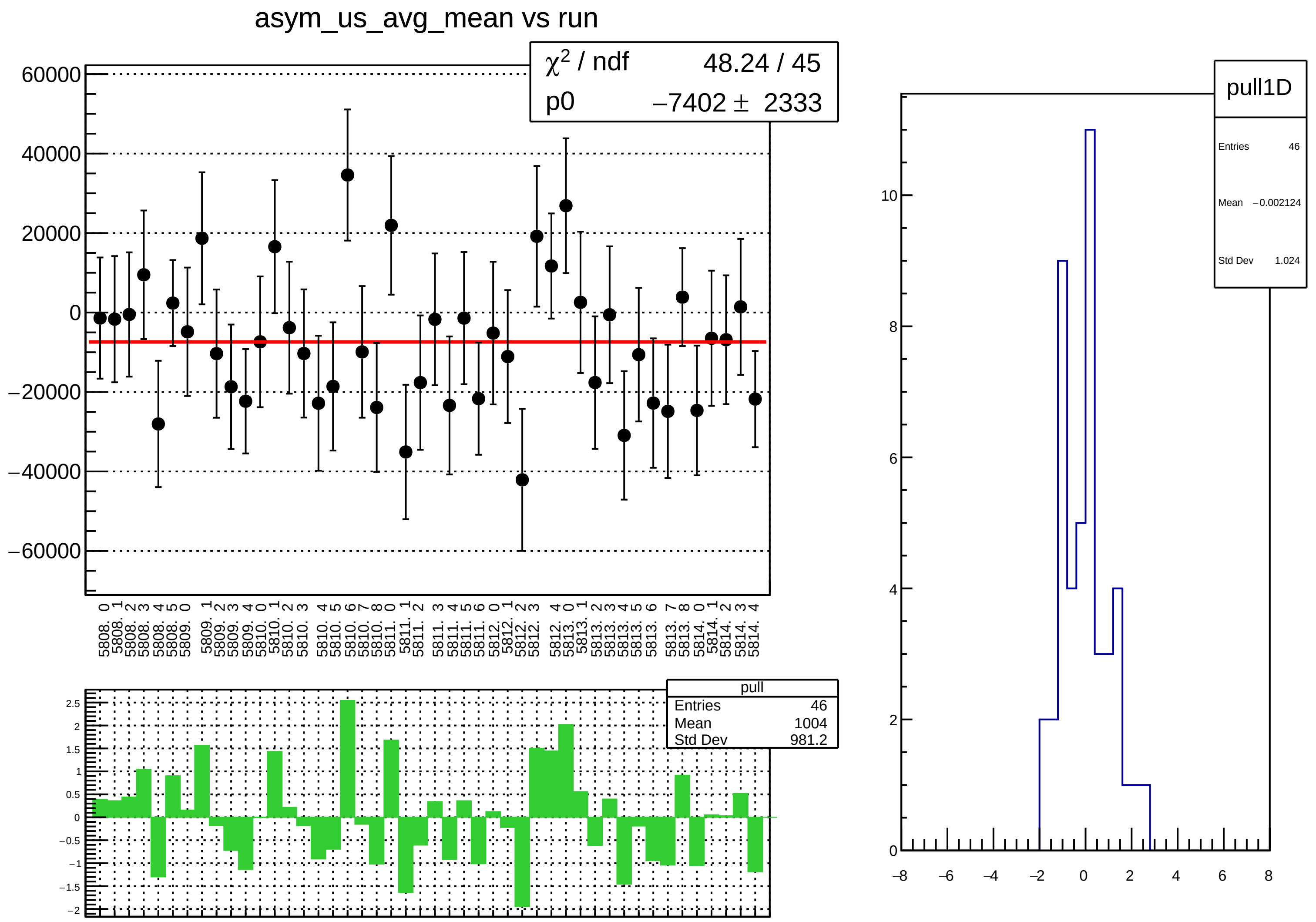
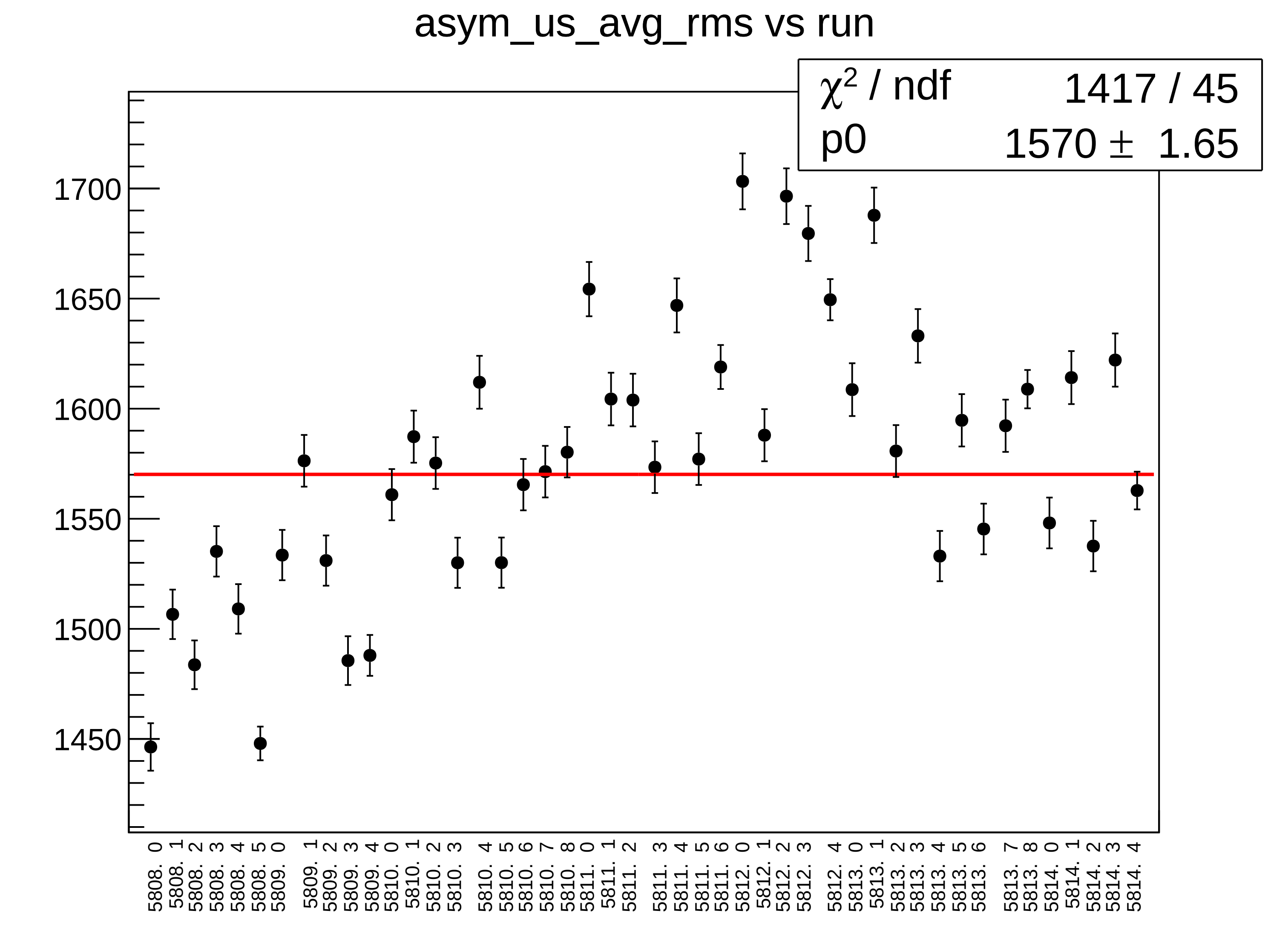
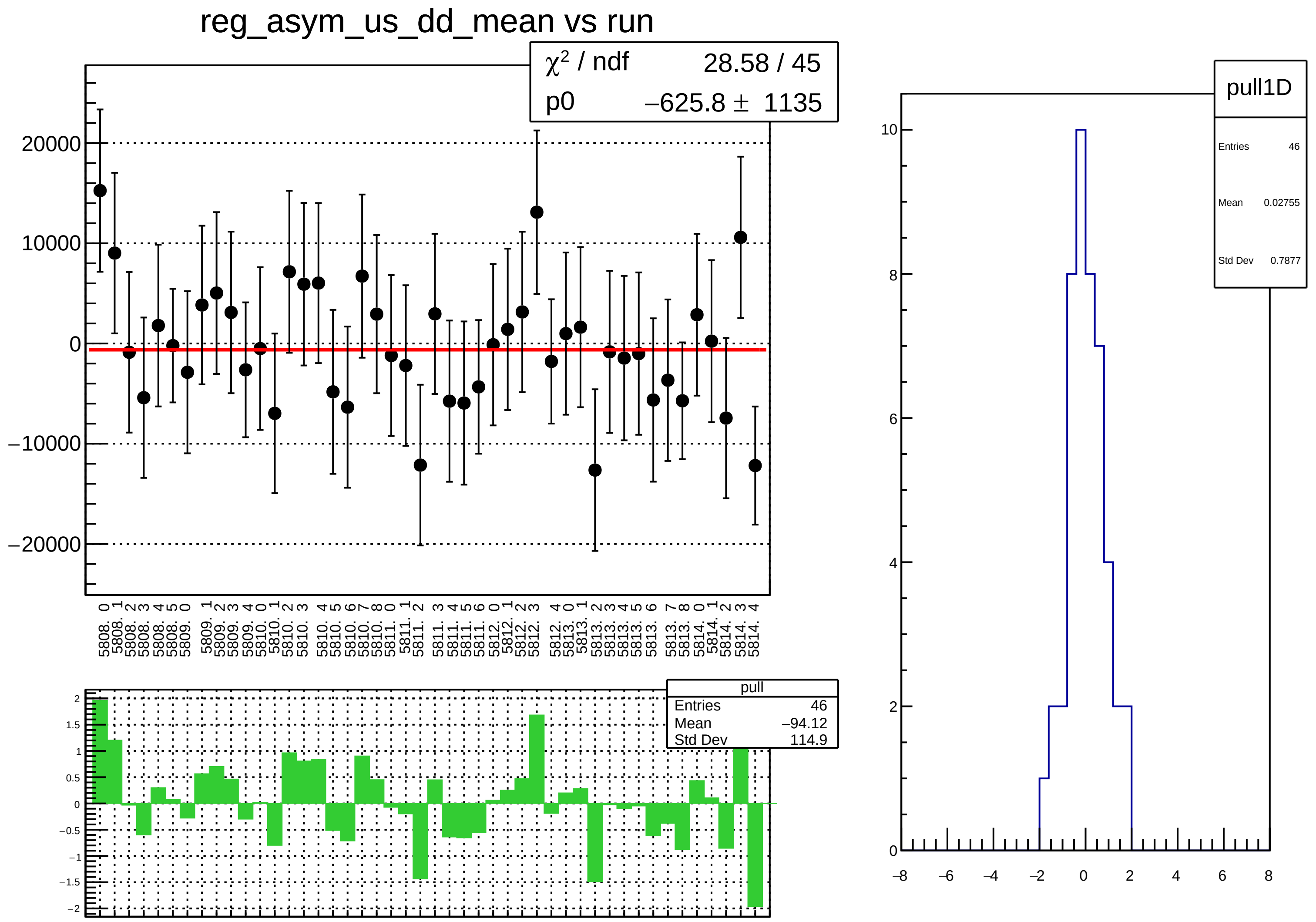
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

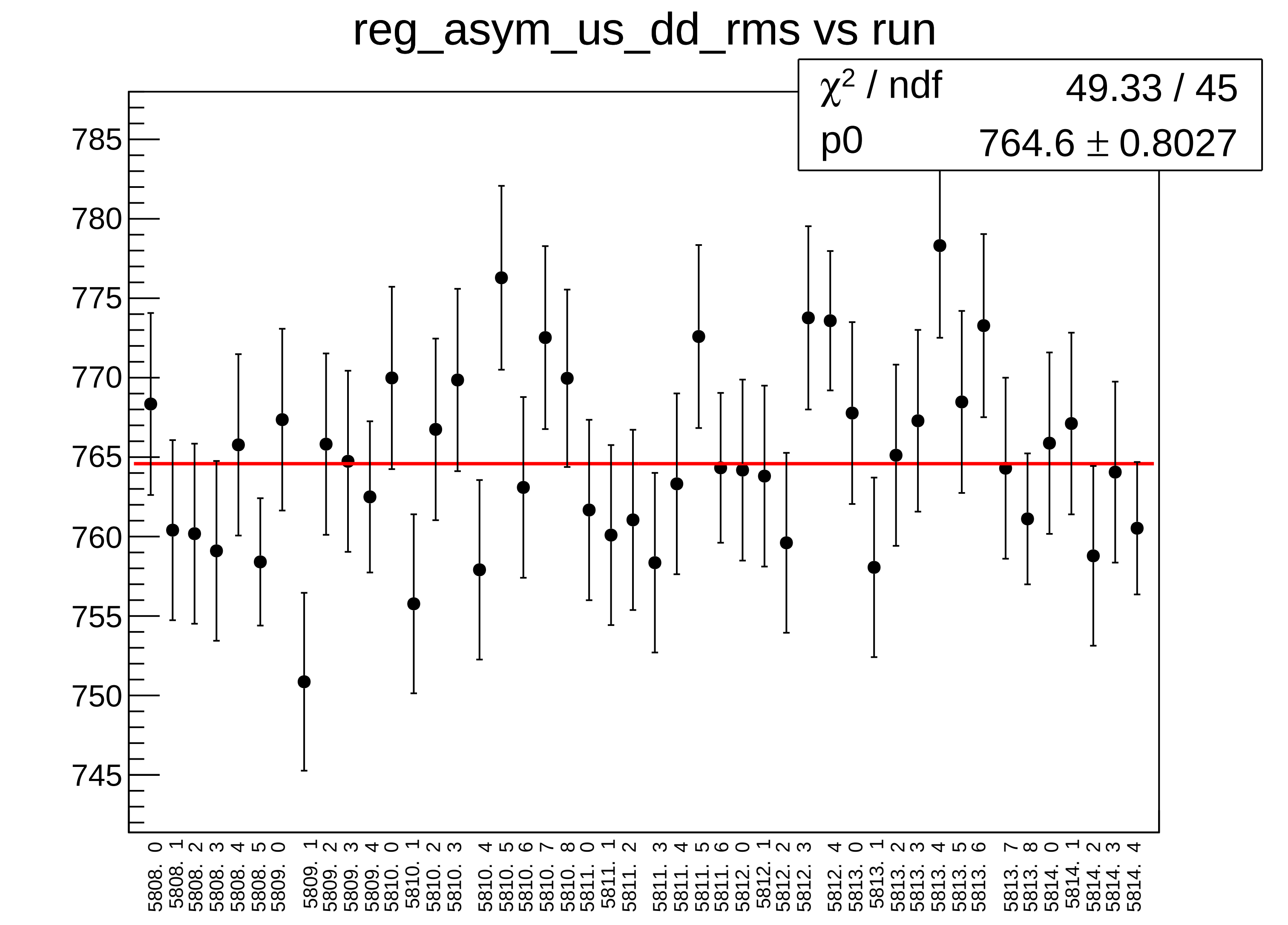

asym_us_avg_mean vs run
χ^2 / ndf 48.24 / 45
p0 −7402 ± 2333
pull
Entries 46
Mean 1004
Std Dev 981.2
pull1D
Entries 46
Mean −0.002124
Std Dev 1.024



asym_us_avg_rms vs run
χ² / ndf 1417 / 45
p0 1570 ± 1.65
1450
1500
1550
1600
1650
1700



reg_asym_us_dd_mean vs run
χ2 / ndf 28.58 / 45
p0 −625.8 ± 1135
pull
Entries 46
Mean −94.12
Std Dev 114.9
pull1D
Entries 46
Mean 0.02755
Std Dev 0.7877



reg_asym_us_dd_rms vs run
χ2 / ndf 49.33 / 45
p0 764.6 ± 0.8027
785
780
775
770
765
760
755
750
745
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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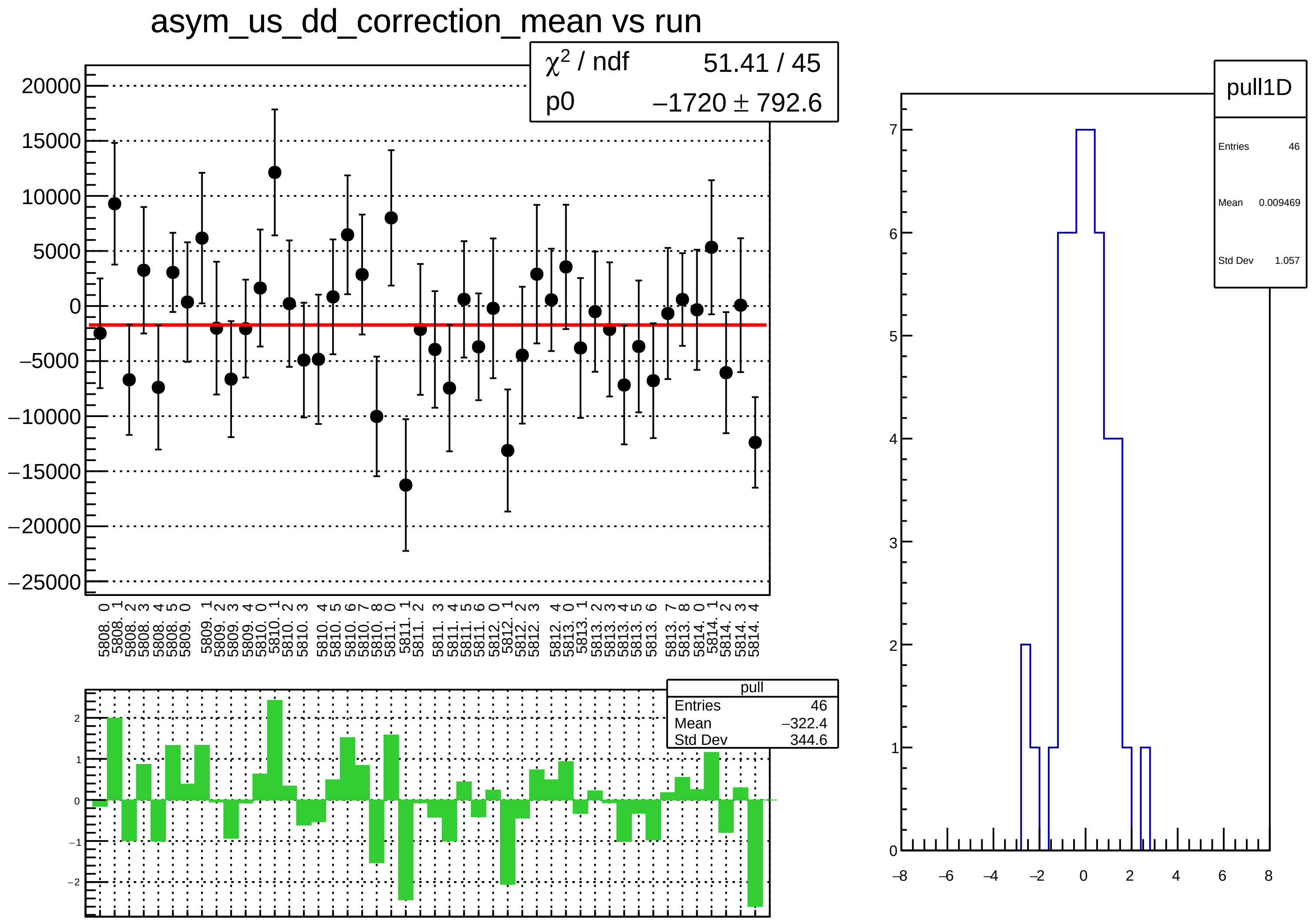
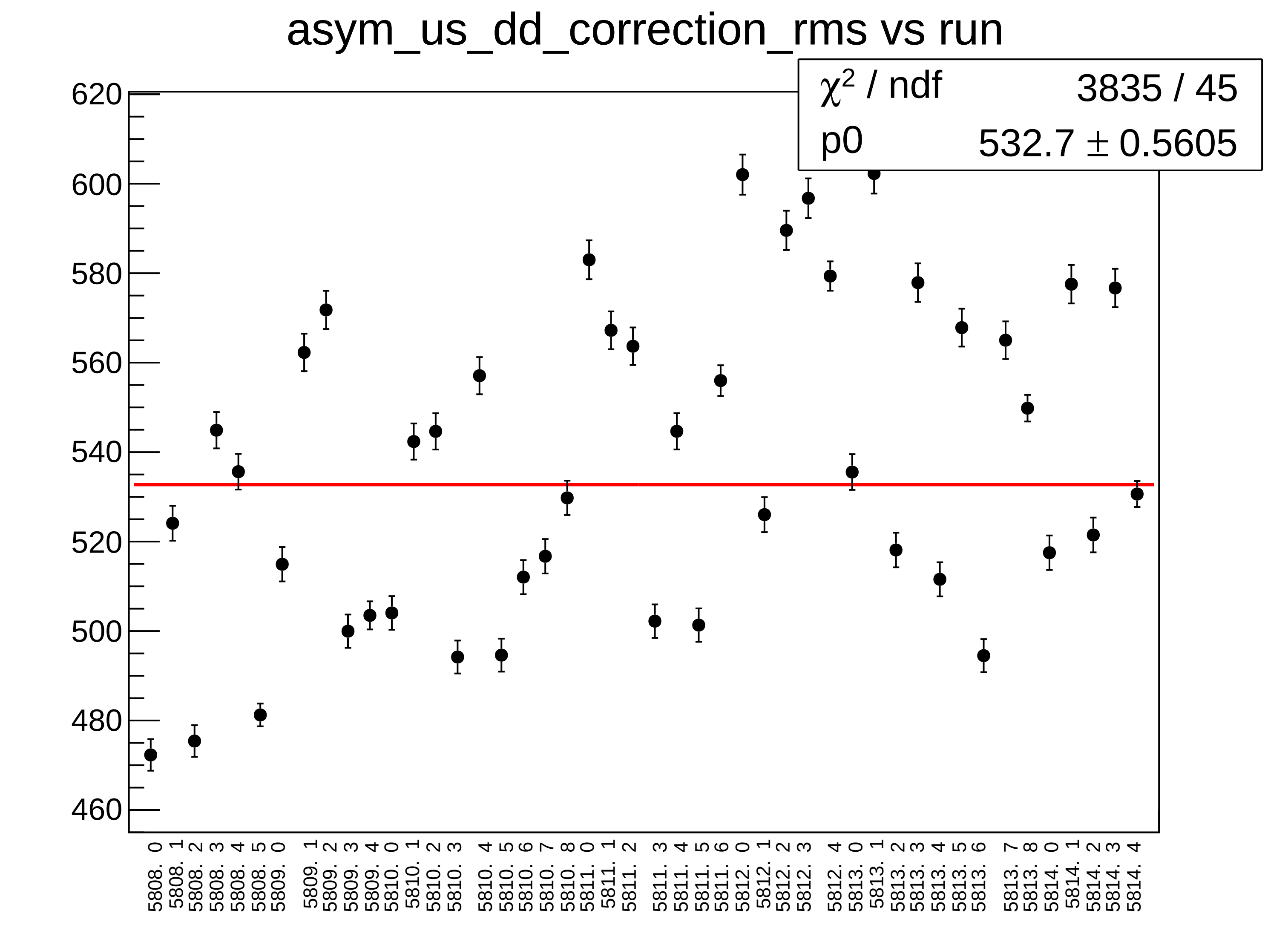
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_us_dd_correction_mean vs run
χ^2 / ndf 51.41 / 45
p0 −1720 ± 792.6
pull
Entries 46
Mean −322.4
Std Dev 344.6
pull1D
Entries 46
Mean 0.009469
Std Dev 1.057



asym_us_dd_correction_rms vs run
χ2 / ndf 3835 / 45
p0 532.7 ± 0.5605
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
5813. 7
5813. 8
5814. 0
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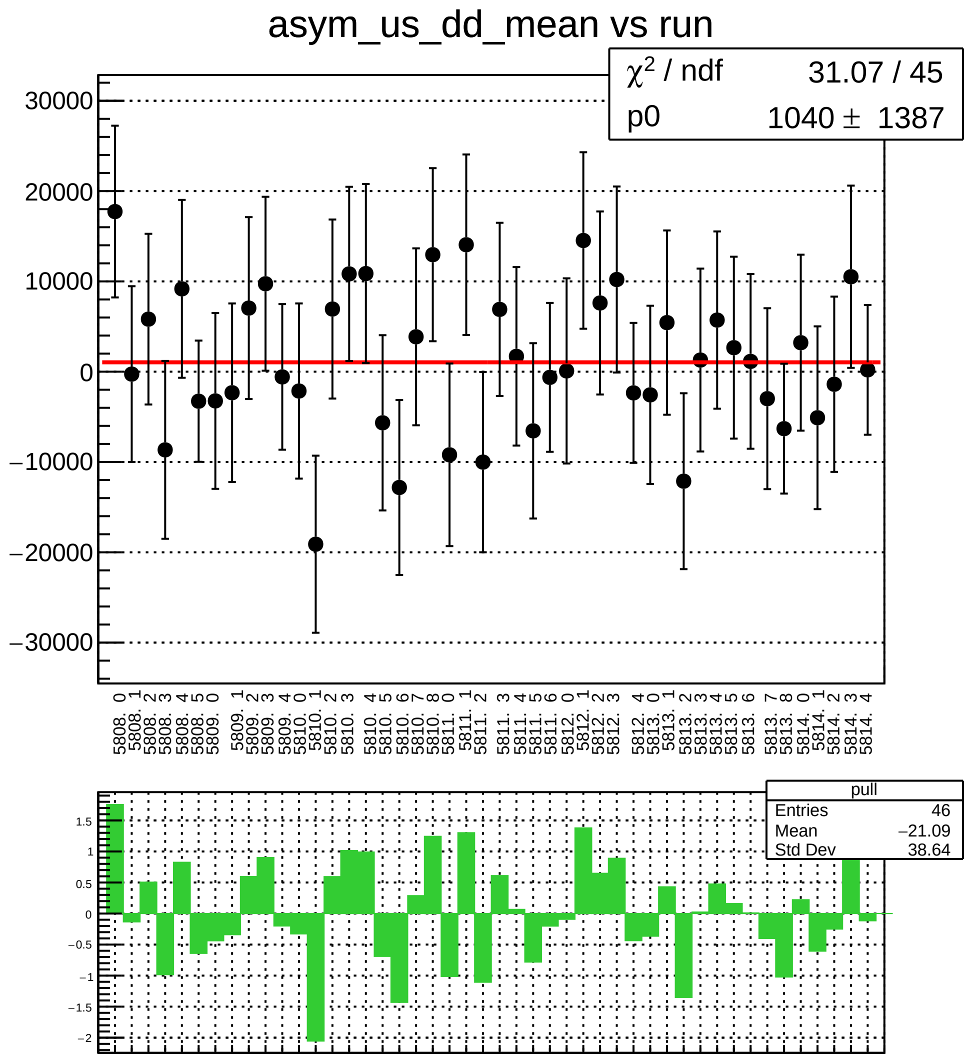
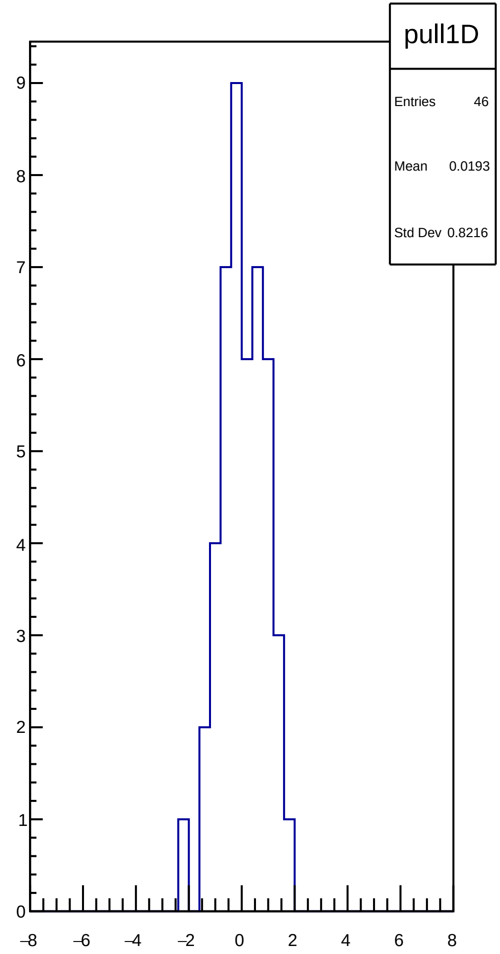
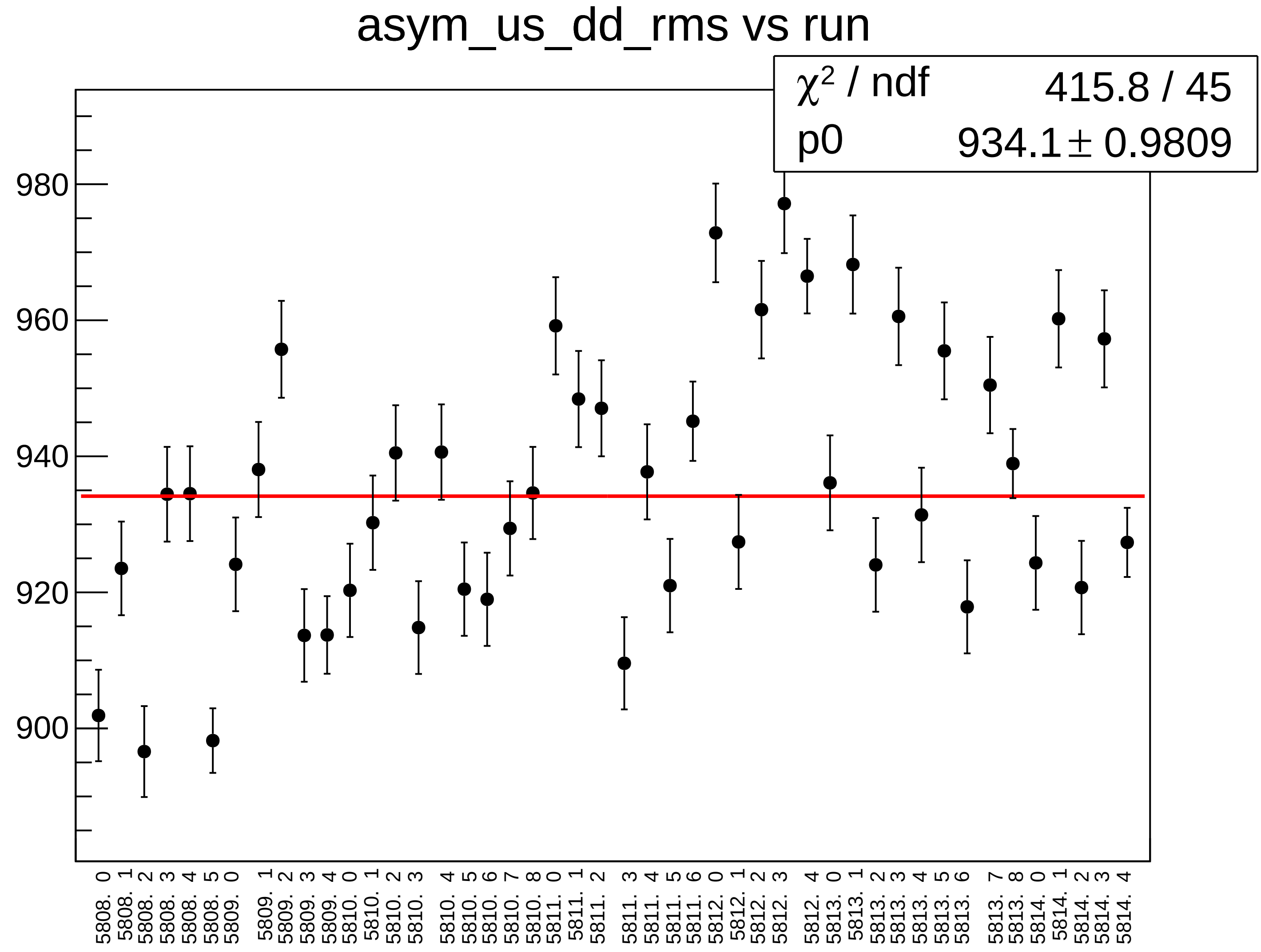
5814. 2
5814. 3
5814. 4

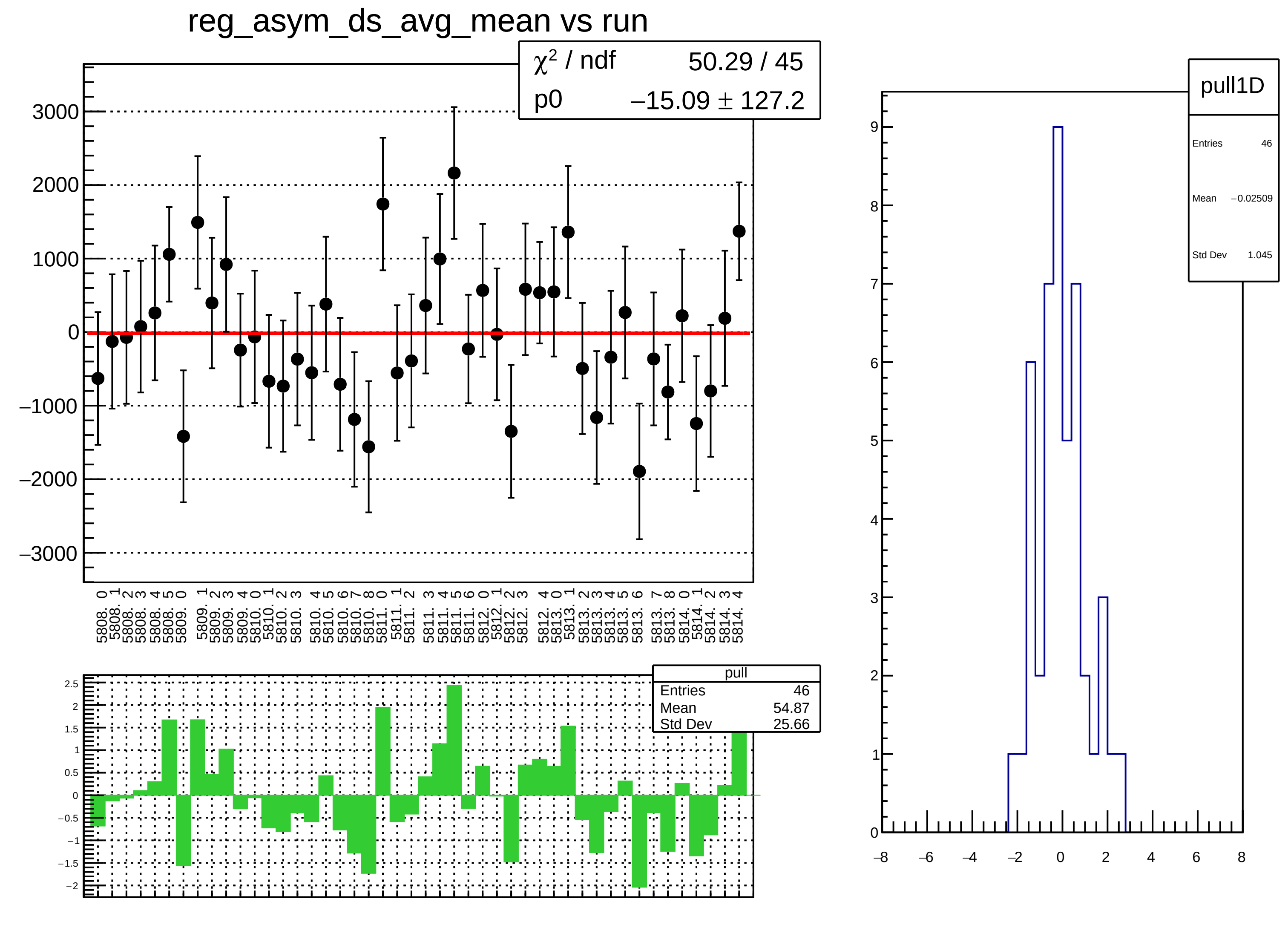


asym_us_dd_mean vs run
χ^2 / ndf 31.07 / 45
p0 1040 ± 1387
pull
Entries 46
Mean −21.09
Std Dev 38.64

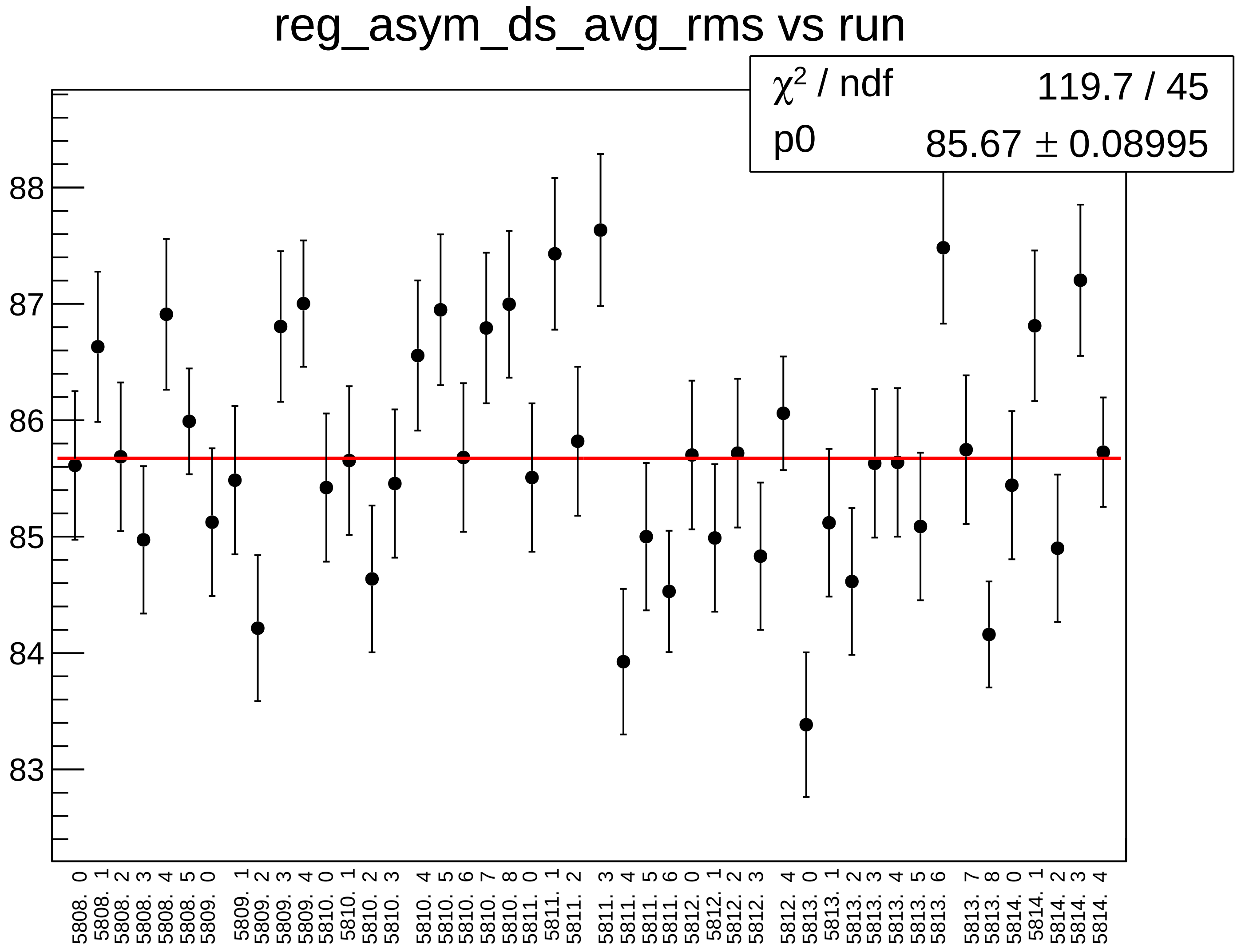


pull1D
Entries 46
Mean 0.0193
Std Dev 0.8216


asym_us_dd_rms vs run
χ2 / ndf 415.8 / 45
p0 934.1 ± 0.9809
980
960
940
920
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



reg_asym_ds_avg_mean vs run
χ^2 / ndf 50.29 / 45
p0 −15.09 ± 127.2
pull
Entries 46
Mean 54.87
Std Dev 25.66
pull1D
Entries 46
Mean −0.02509
Std Dev 1.045



reg_asym_ds_avg_rms vs run
χ^2 / ndf 119.7 / 45
p0 85.67 ± 0.08995
88
87
86
85
84
83
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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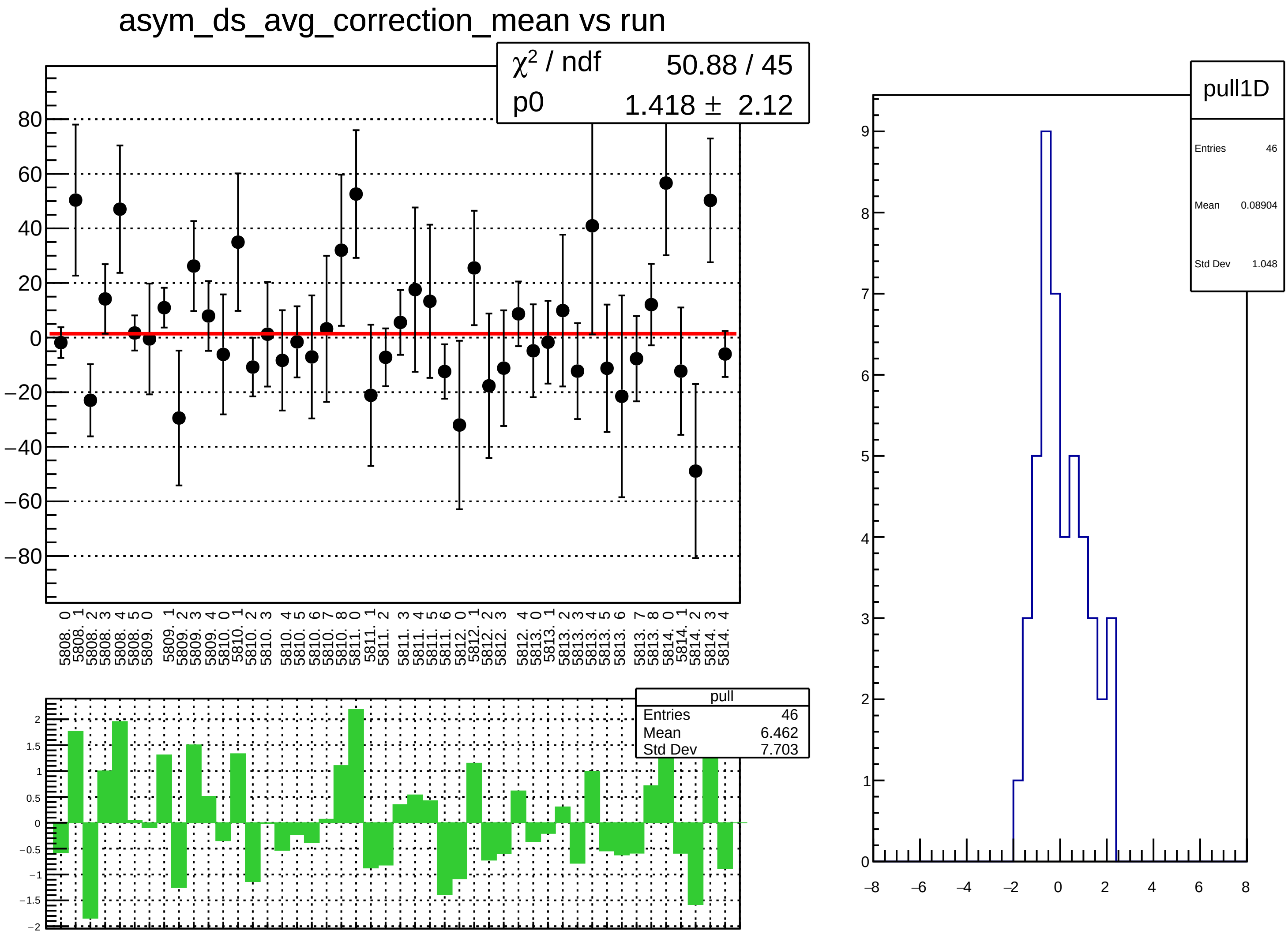
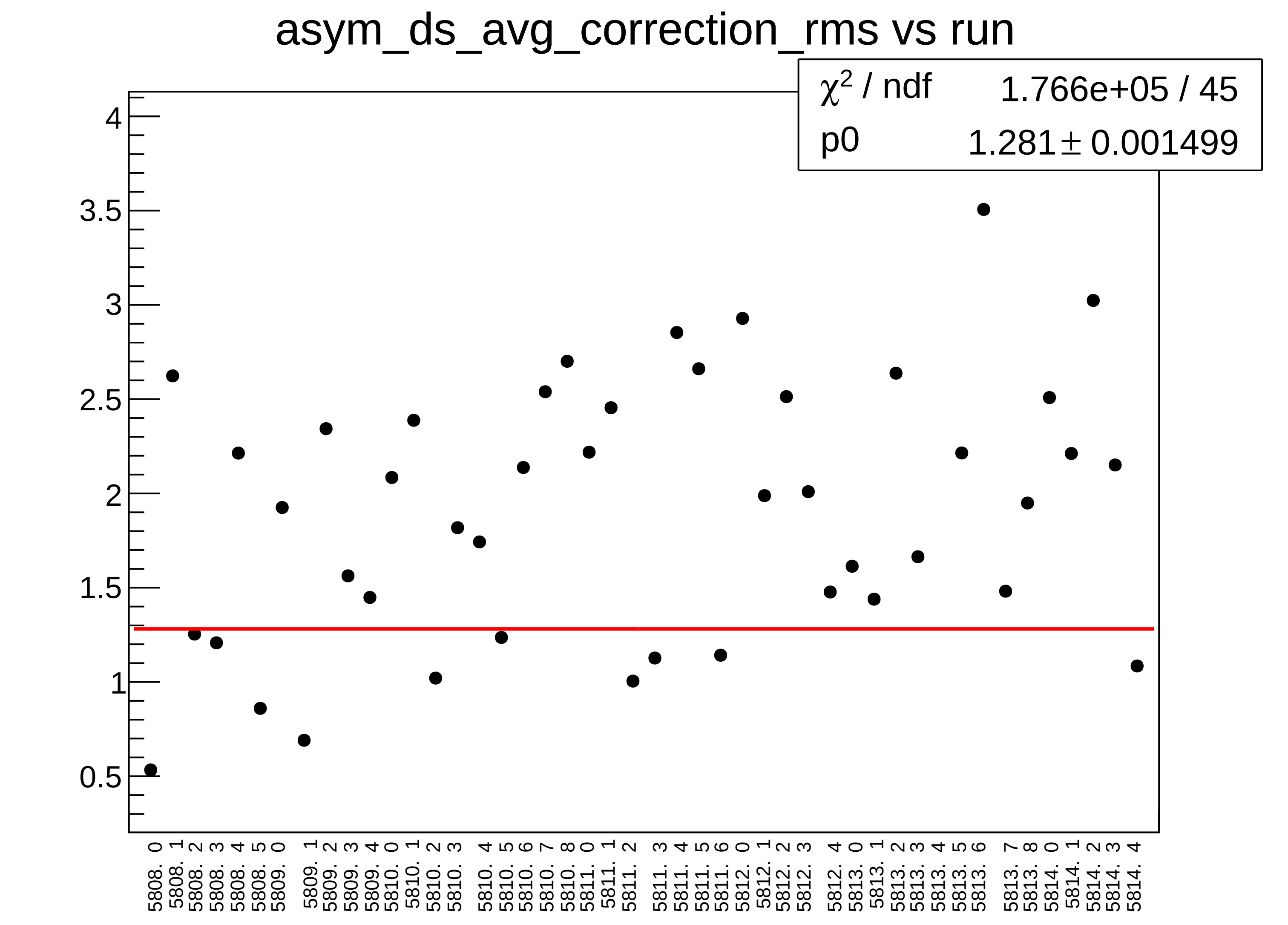
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_ds_avg_correction_mean vs run
χ^2 / ndf 50.88 / 45
p0 1.418 ± 2.12
pull
Entries 46
Mean 6.462
Std Dev 7.703
pull1D
Entries 46
Mean 0.08904
Std Dev 1.048



asym_ds_avg_correction_rms vs run
χ^2 / ndf 1.766e+05 / 45
p0 1.281 ± 0.001499
4
3.5
3
2.5
2
1.5
1
0.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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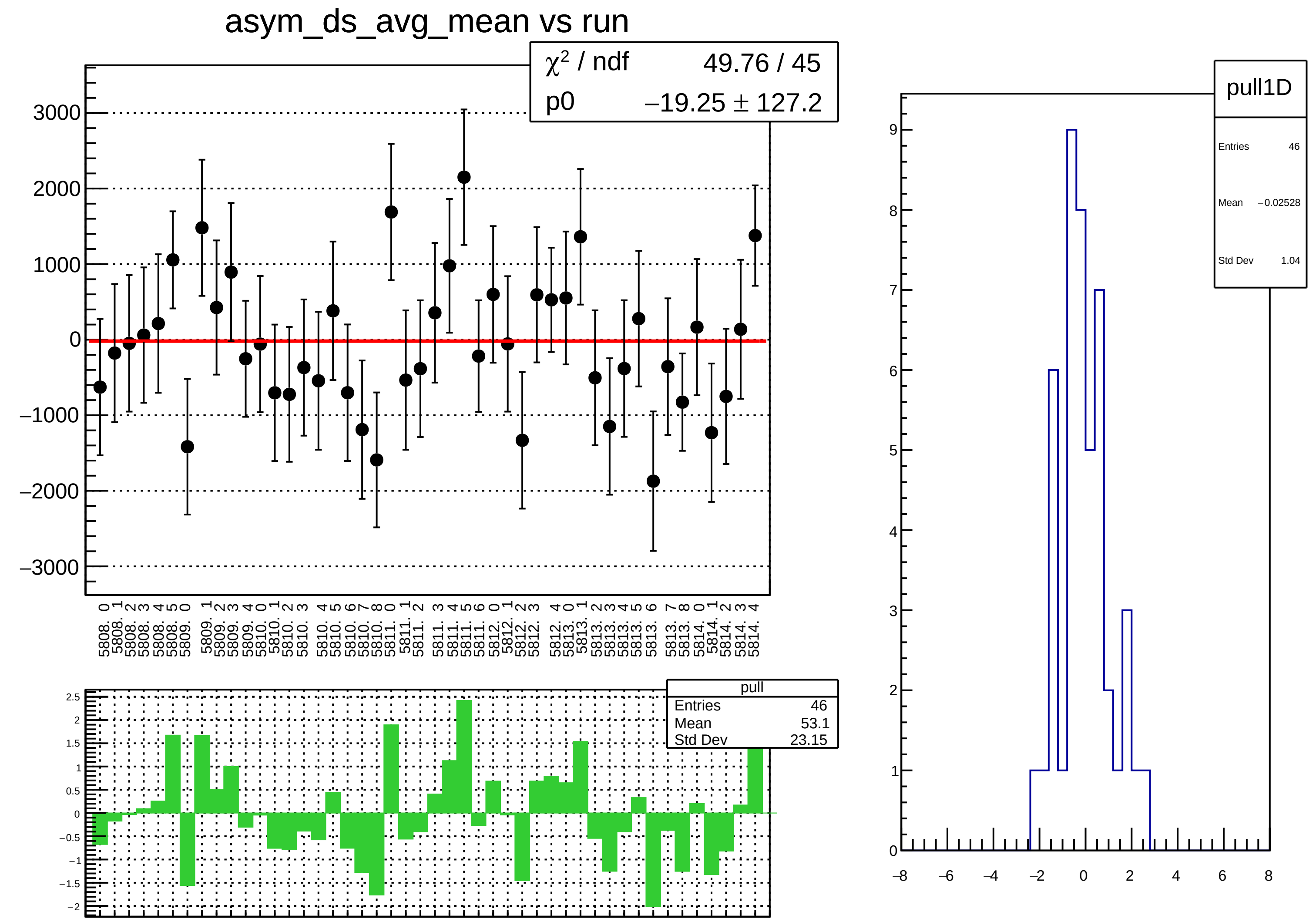
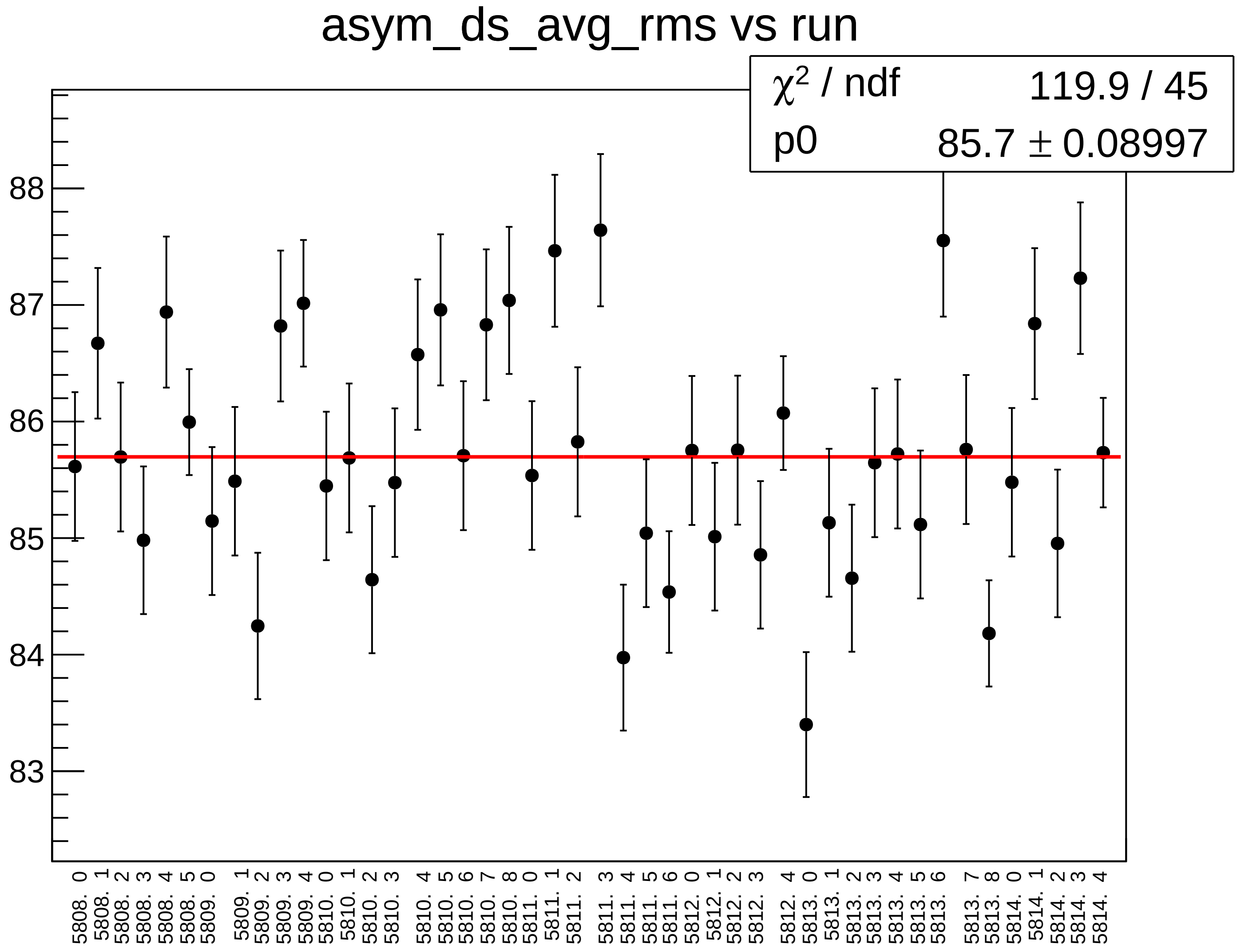
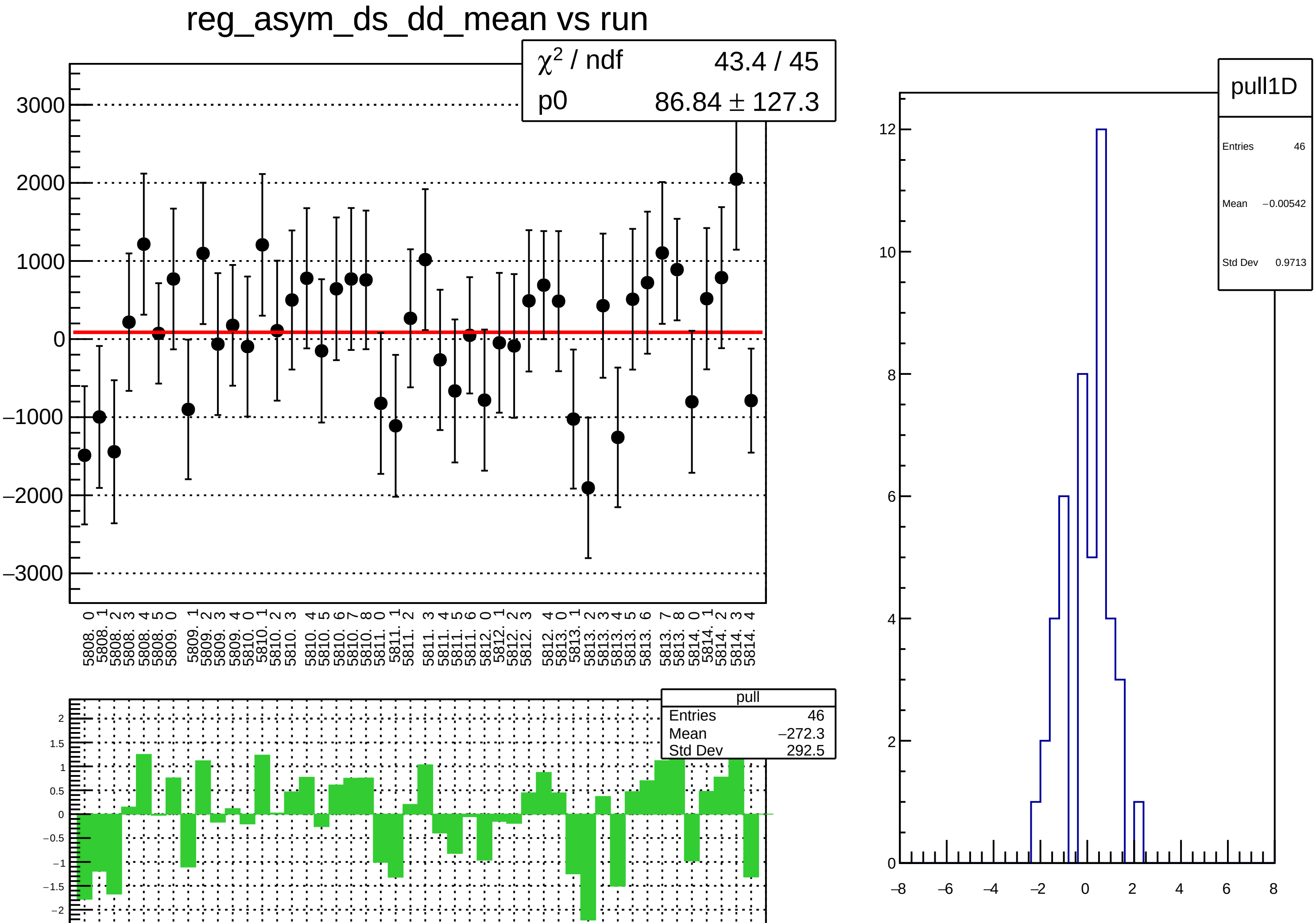
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

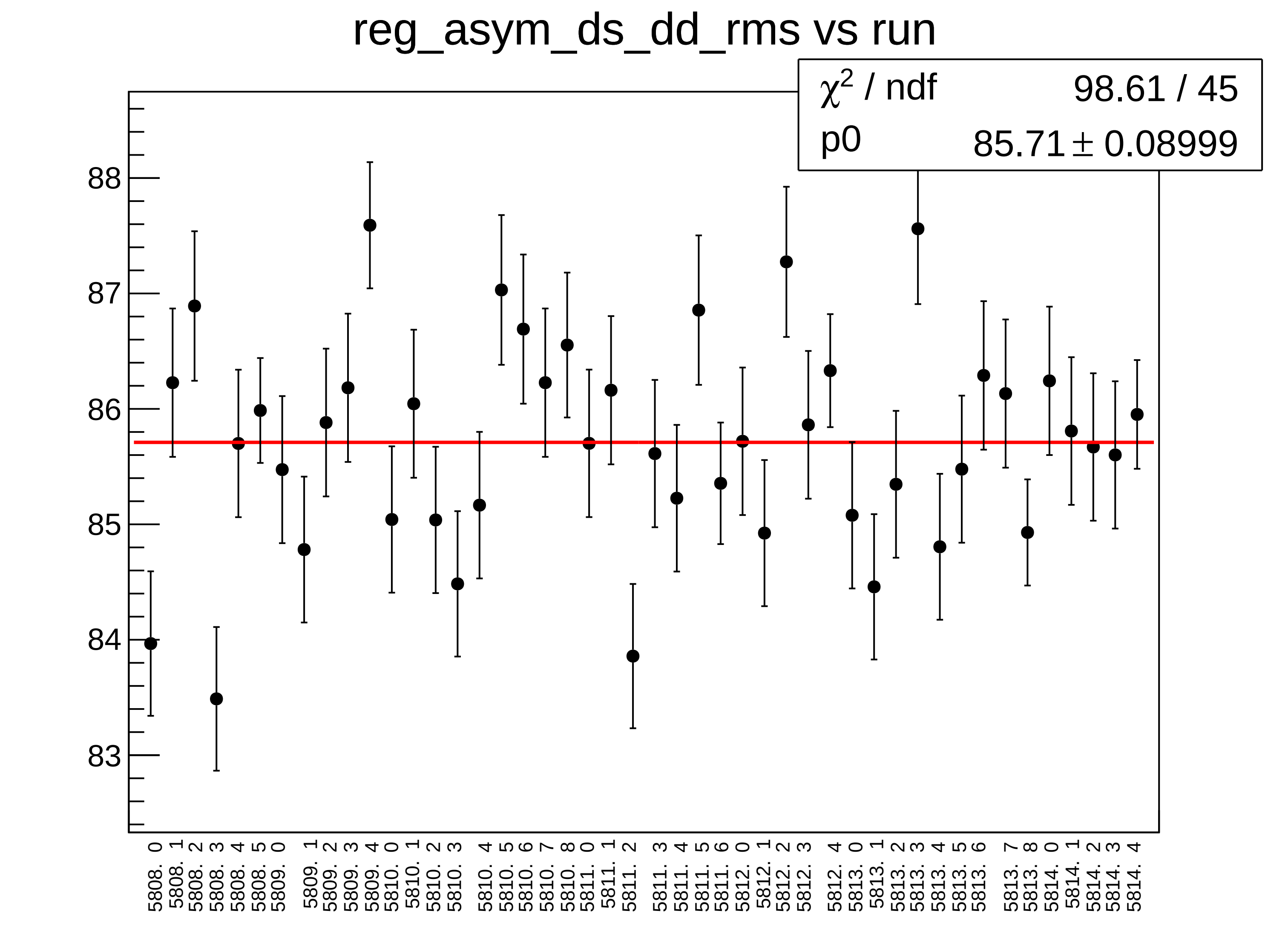


asym_ds_avg_mean vs run
χ^2 / ndf 49.76 / 45
p0 −19.25 ± 127.2
pull
Entries 46
Mean 53.1
Std Dev 23.15
pull1D
Entries 46
Mean −0.02528
Std Dev 1.04


asym_ds_avg_rms vs run
χ2 / ndf 119.9 / 45
p0 85.7 ± 0.08997
88
87
86
85
84
83



reg_asym_ds_dd_mean vs run
χ^2 / ndf 43.4 / 45
p0 86.84 ± 127.3
pull
Entries 46
Mean −272.3
Std Dev 292.5
pull1D
Entries 46
Mean −0.00542
Std Dev 0.9713



reg_asym_ds_dd_rms vs run
χ^2 / ndf 98.61 / 45
p0 85.71 ± 0.08999
88
87
86
85
84
83
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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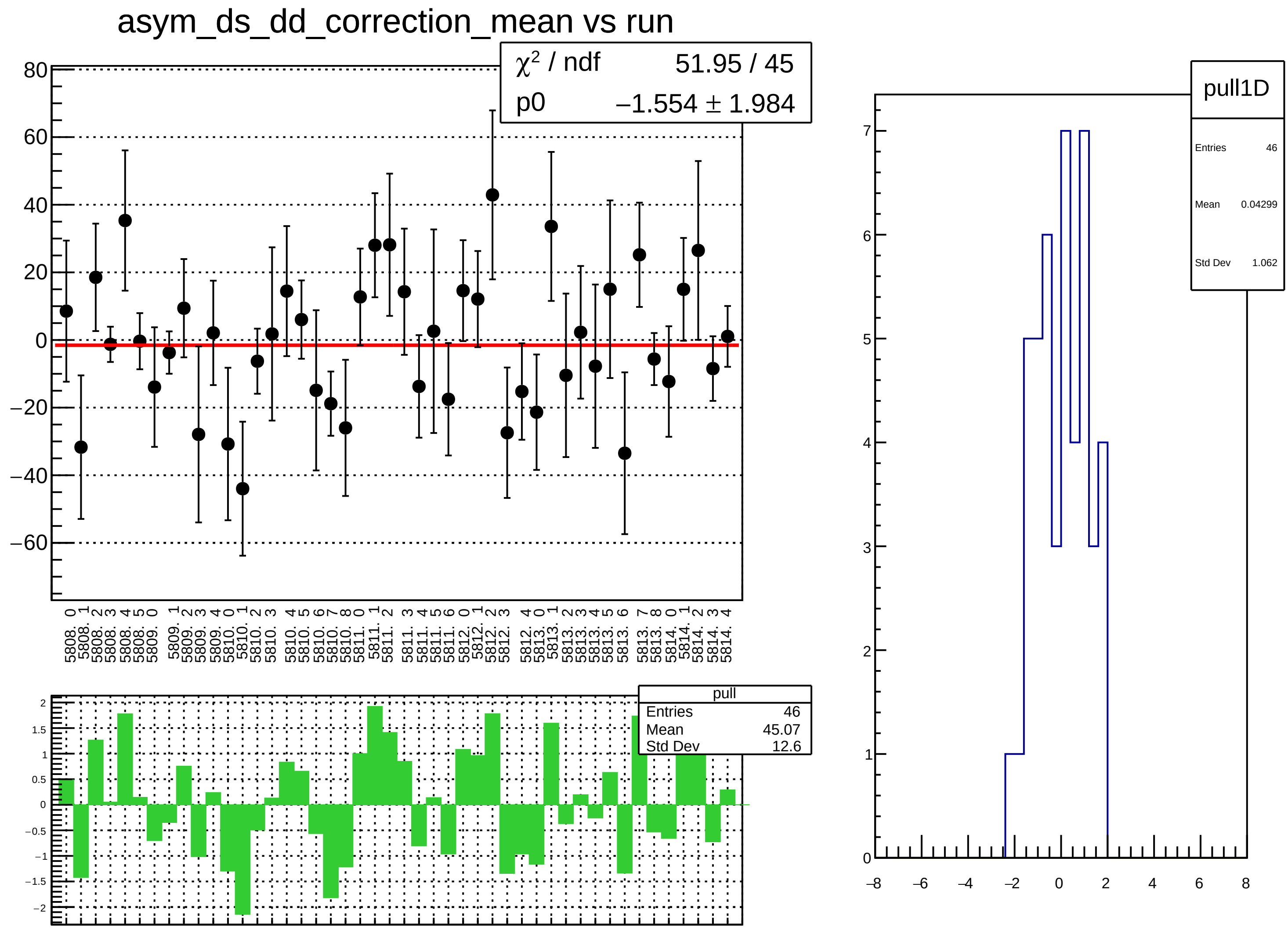
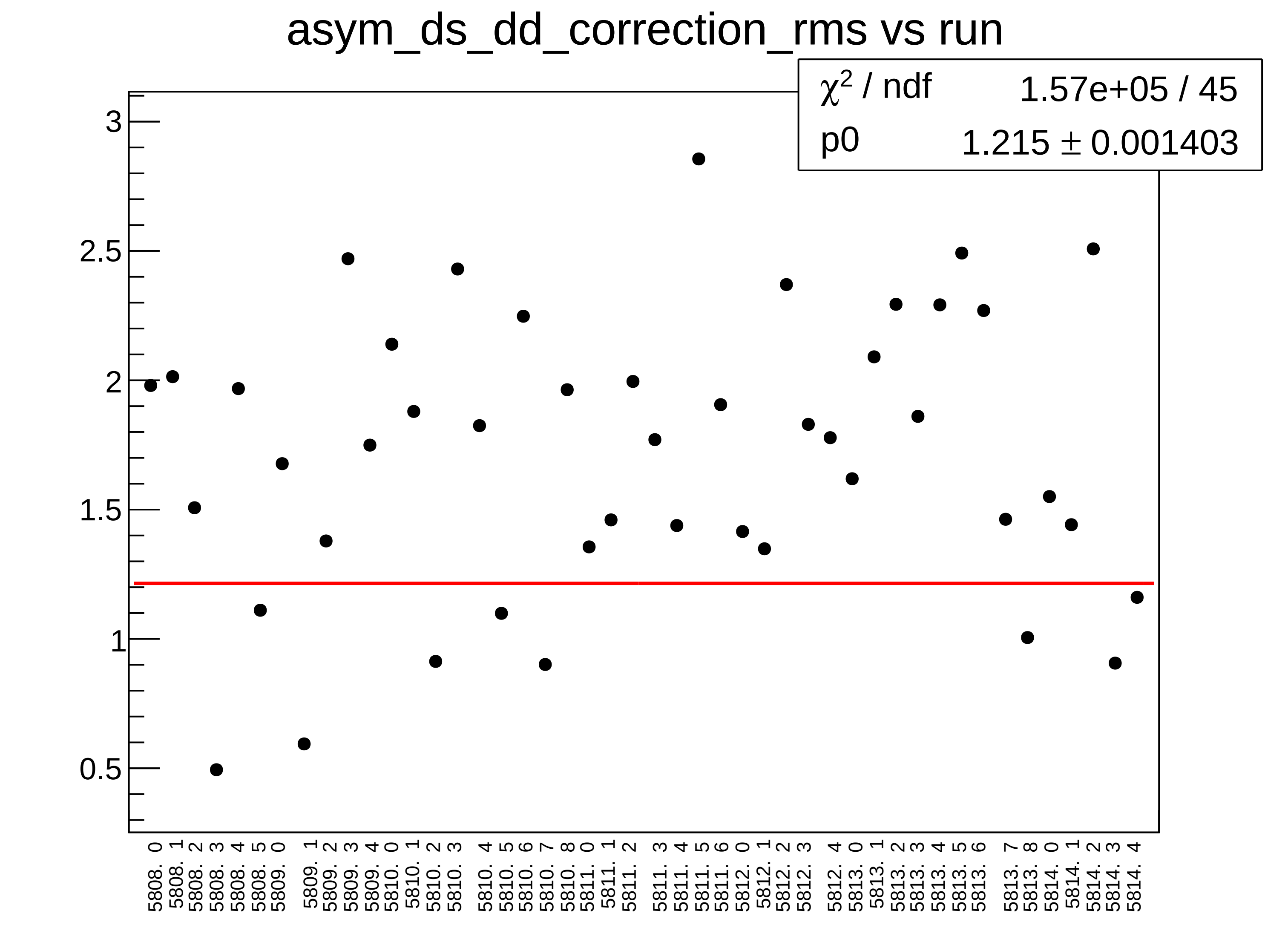
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_ds_dd_correction_mean vs run
χ² / ndf 51.95 / 45
p0 −1.554 ± 1.984
pull
Entries 46
Mean 45.07
Std Dev 12.6
pull1D
Entries 46
Mean 0.04299
Std Dev 1.062



asym_ds_dd_correction_rms vs run
χ2 / ndf 1.57e+05 / 45
p0 1.215 ± 0.001403
3
2.5
2
1.5
1
0.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 8
5814. 0
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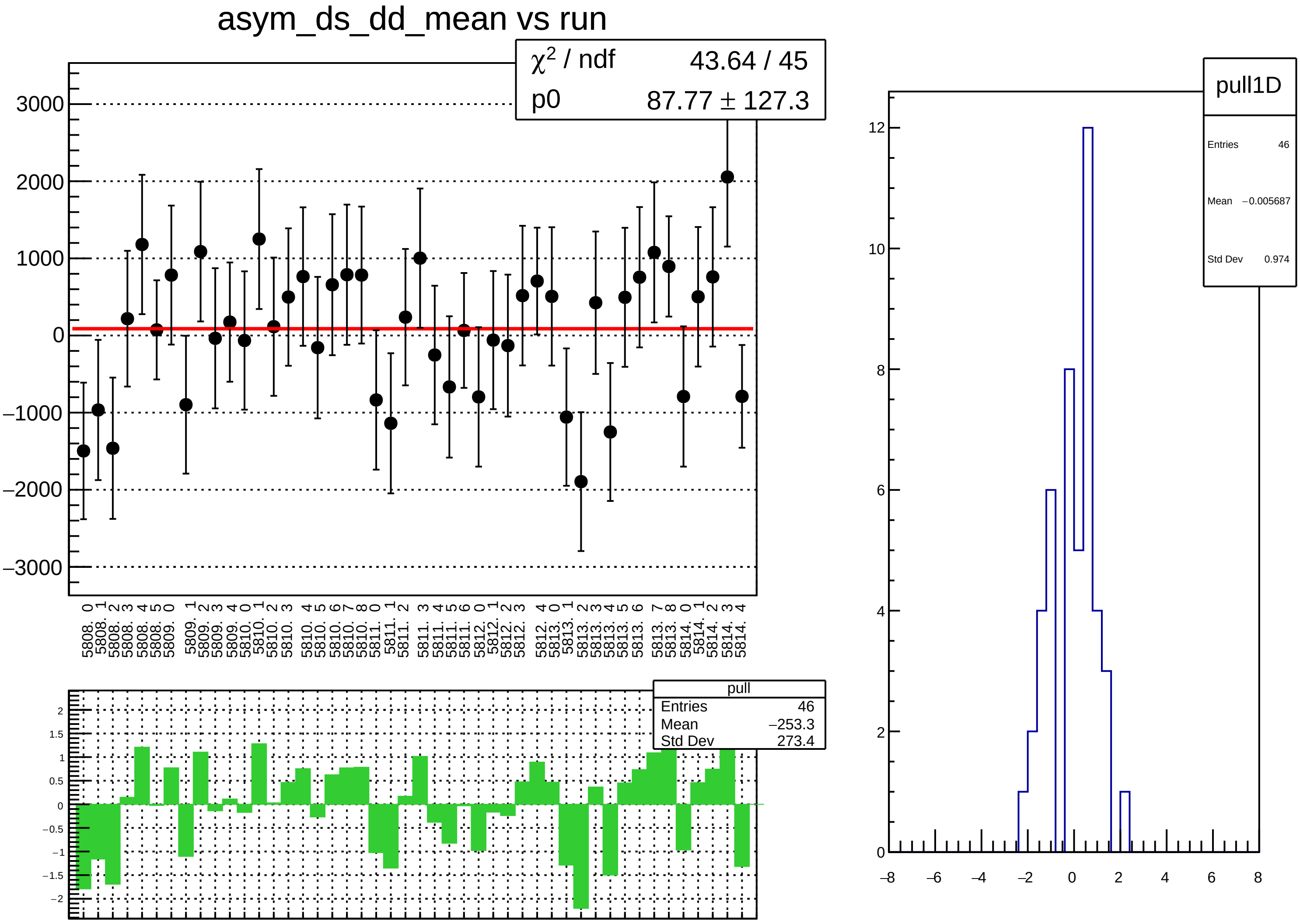
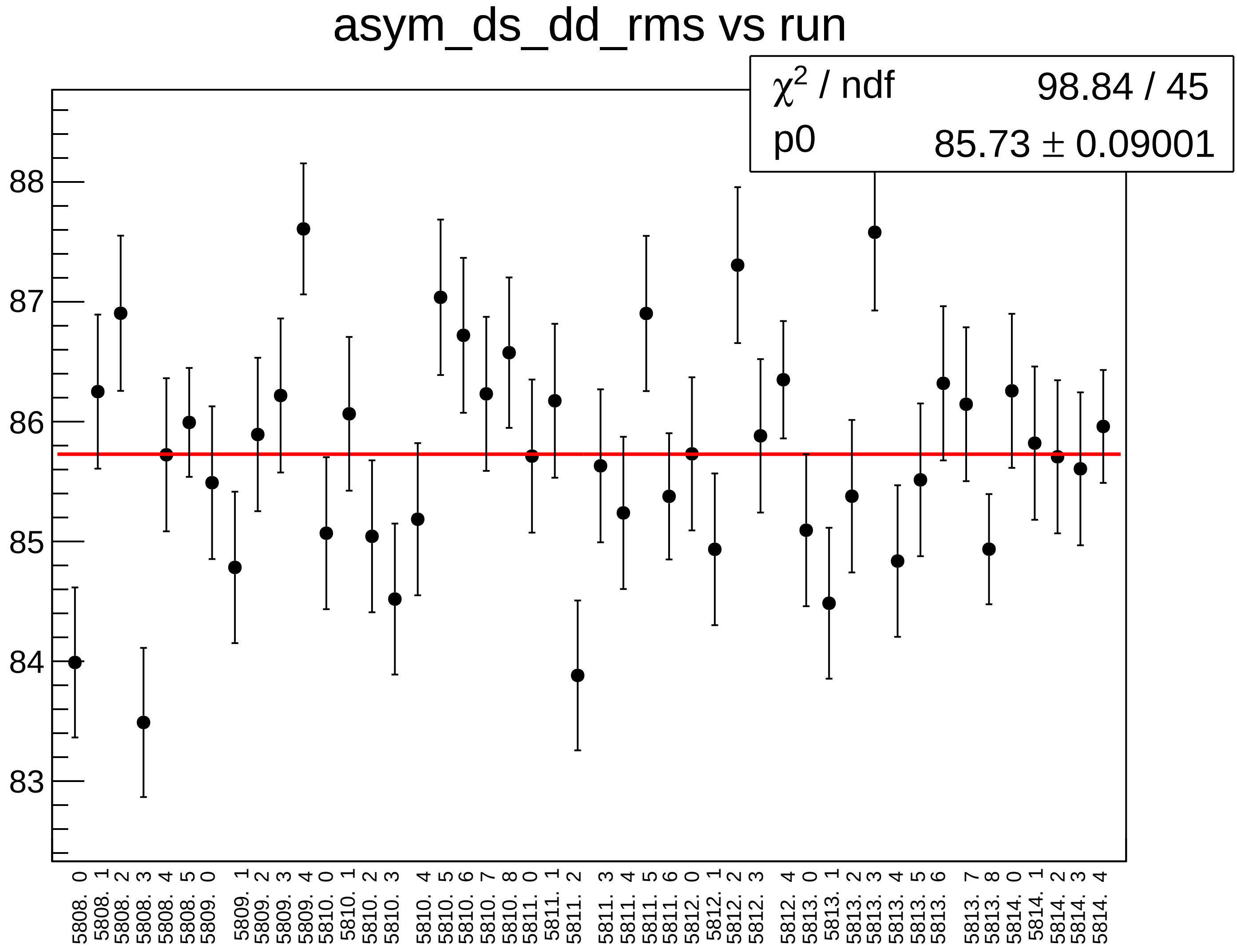
5814. 2
5814. 3
5814. 4


asym_ds_dd_mean vs run
χ^2 / ndf 43.64 / 45
p0 87.77 ± 127.3
pull
Entries 46
Mean −253.3
Std Dev 273.4
pull1D
Entries 46
Mean −0.005687
Std Dev 0.974



asym_ds_dd_rms vs run
χ^2 / ndf 98.84 / 45
p0 85.73 ± 0.09001
88
87
86
85
84
83
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
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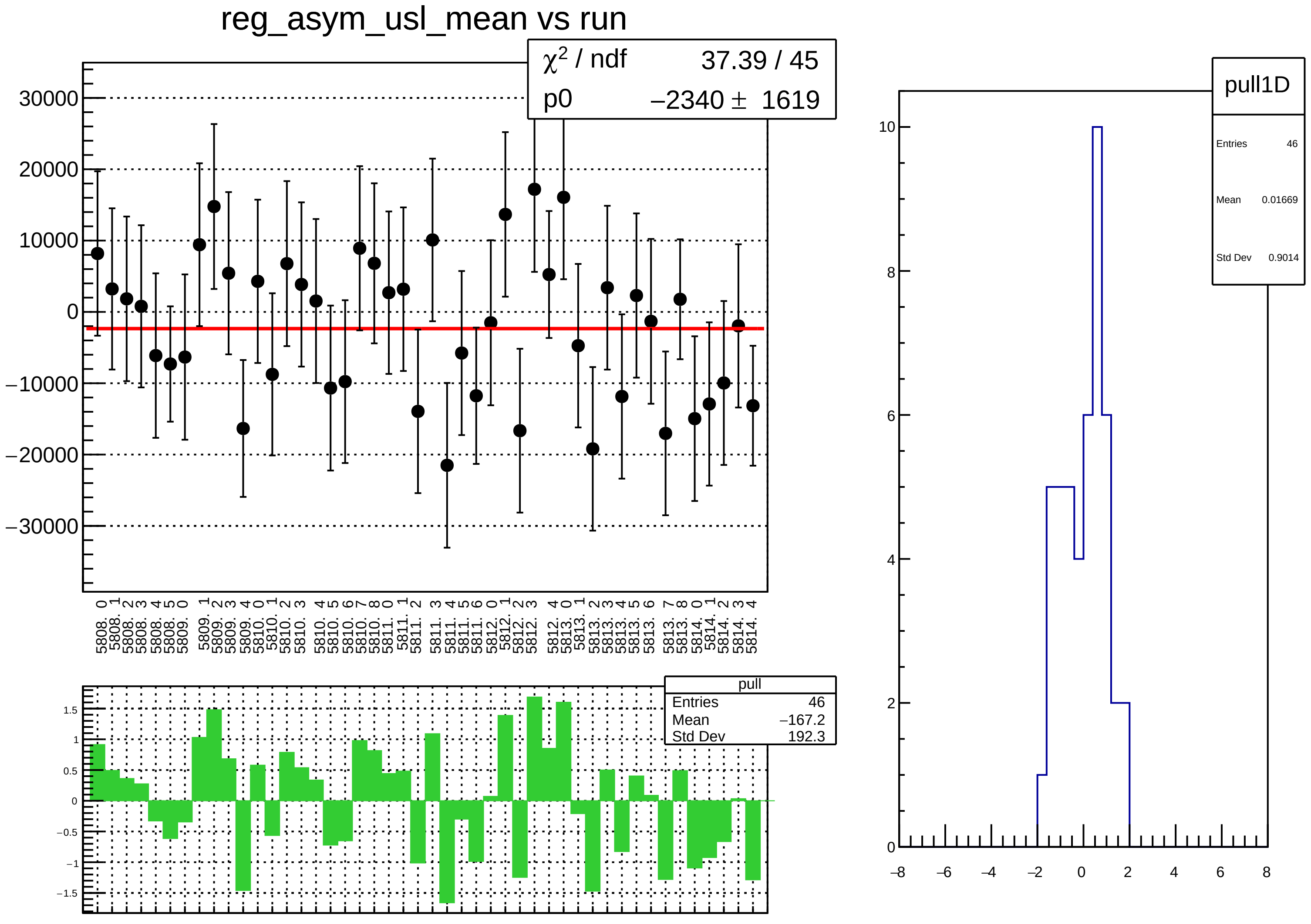
5814. 3
5814. 4


reg_asym_usl_mean vs run
χ^2 / ndf 37.39 / 45
p0 −2340 ± 1619
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
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5810. 5
5810. 6
5810. 7
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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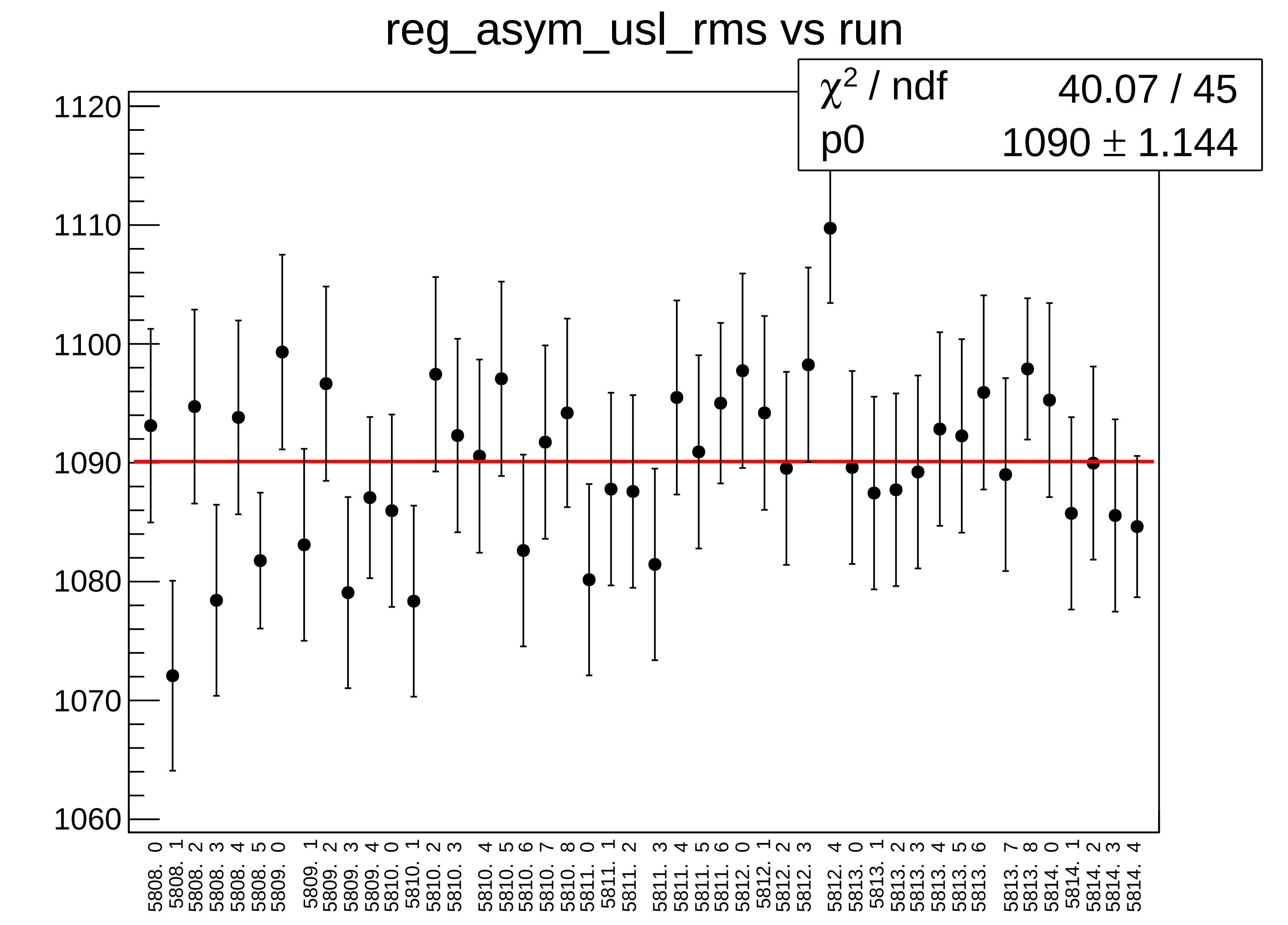
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −167.2
Std Dev 192.3
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01669
Std Dev 0.9014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



reg_asym_usl_rms vs run
χ^2 / ndf 40.07 / 45
p0 1090 ± 1.144
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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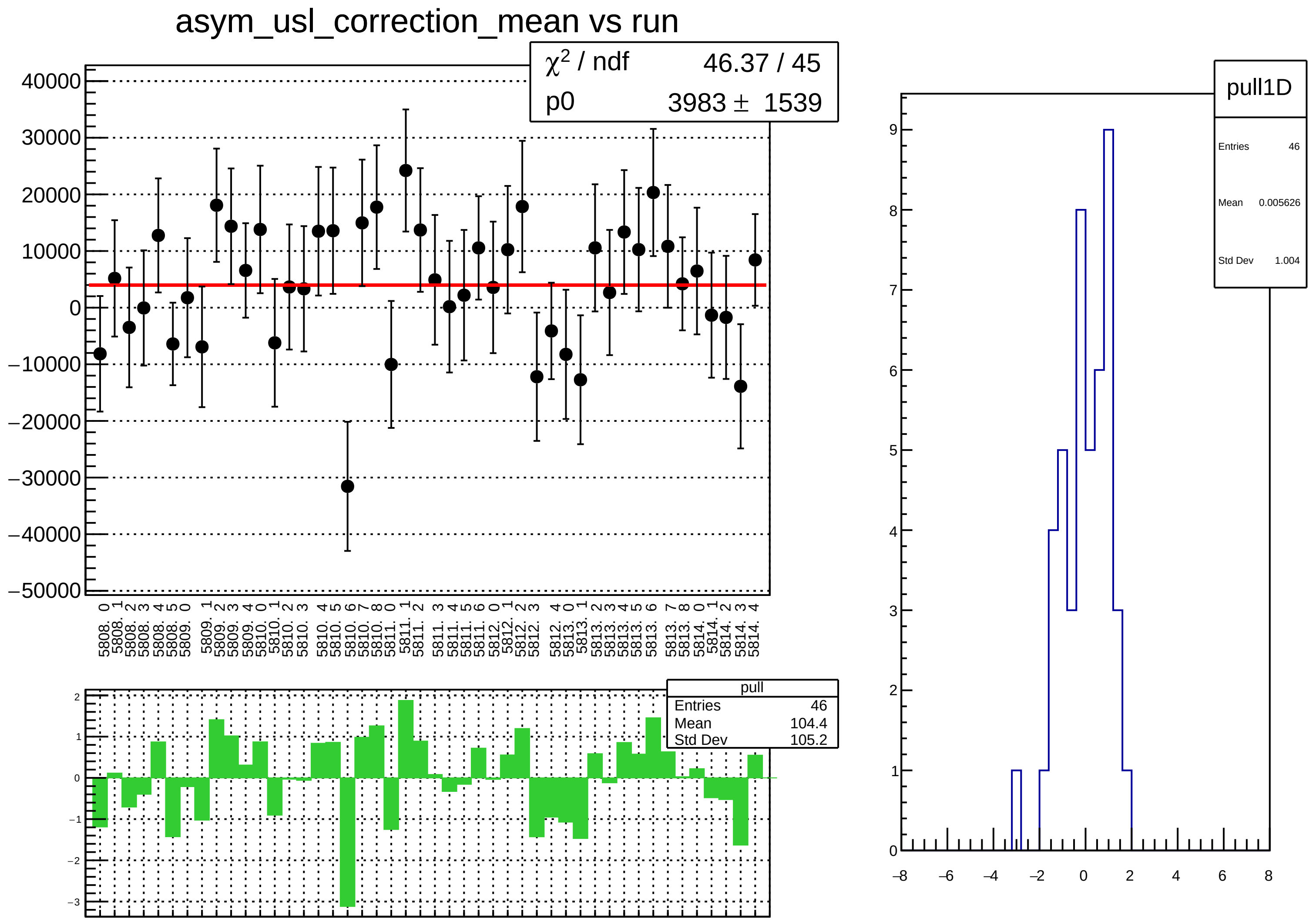
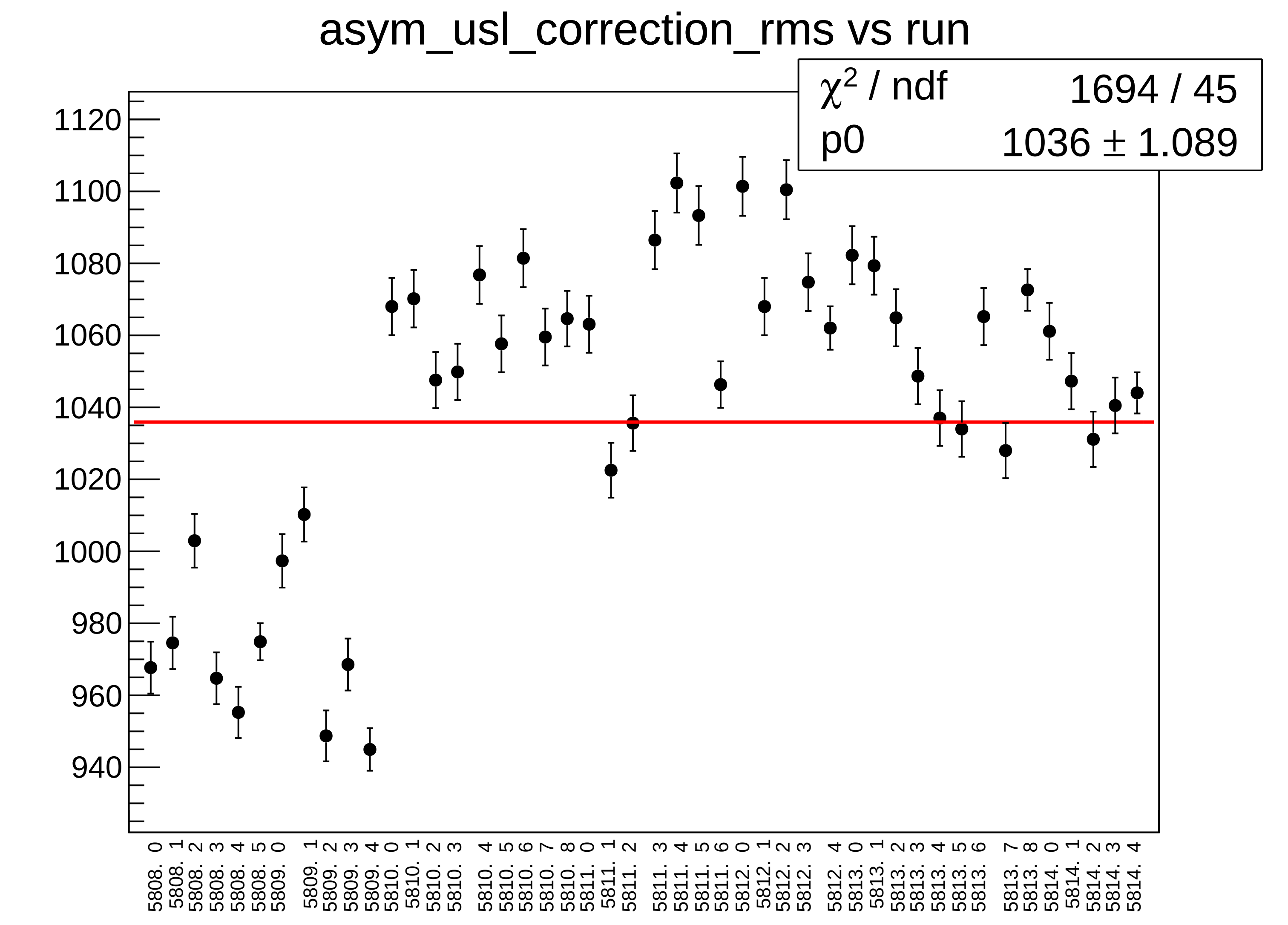
5814. 3
5814. 4


asym_usl_correction_mean vs run
χ^2 / ndf 46.37 / 45
p0 3983 ± 1539
pull
Entries 46
Mean 104.4
Std Dev 105.2
pull1D
Entries 46
Mean 0.005626
Std Dev 1.004


asym_usl_correction_rms vs run
χ^2 / ndf 1694 / 45
p0 1036 ± 1.089
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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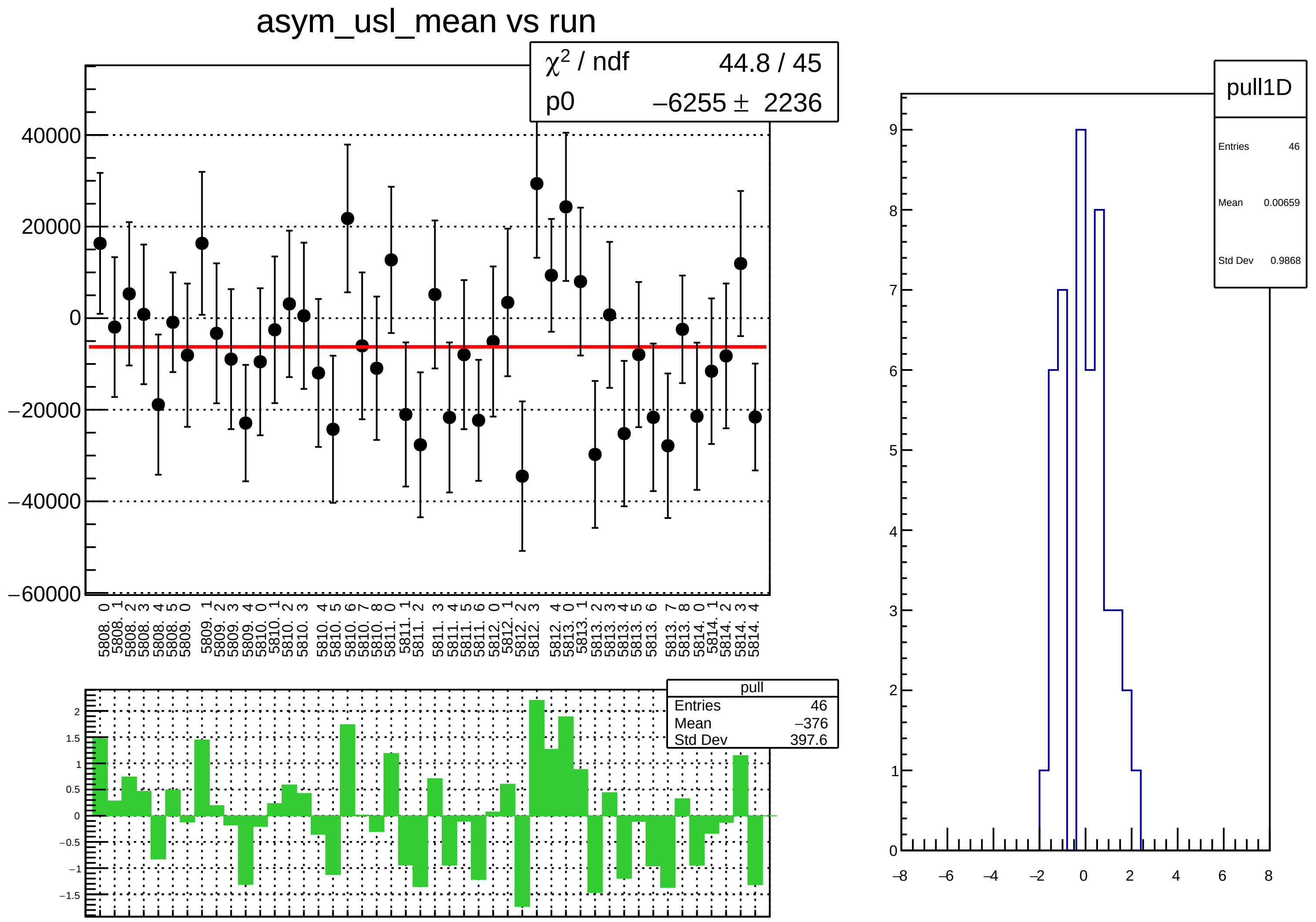
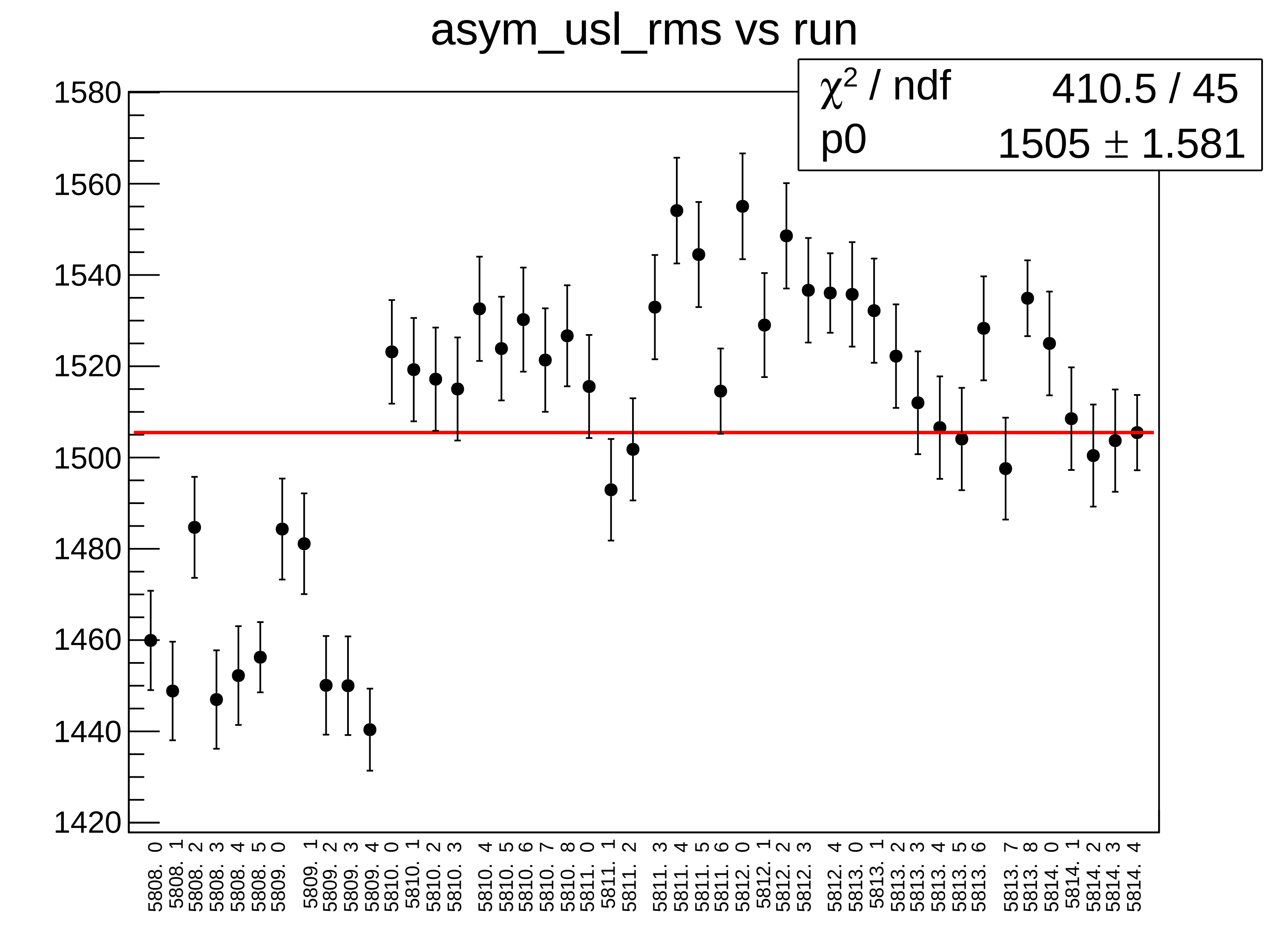
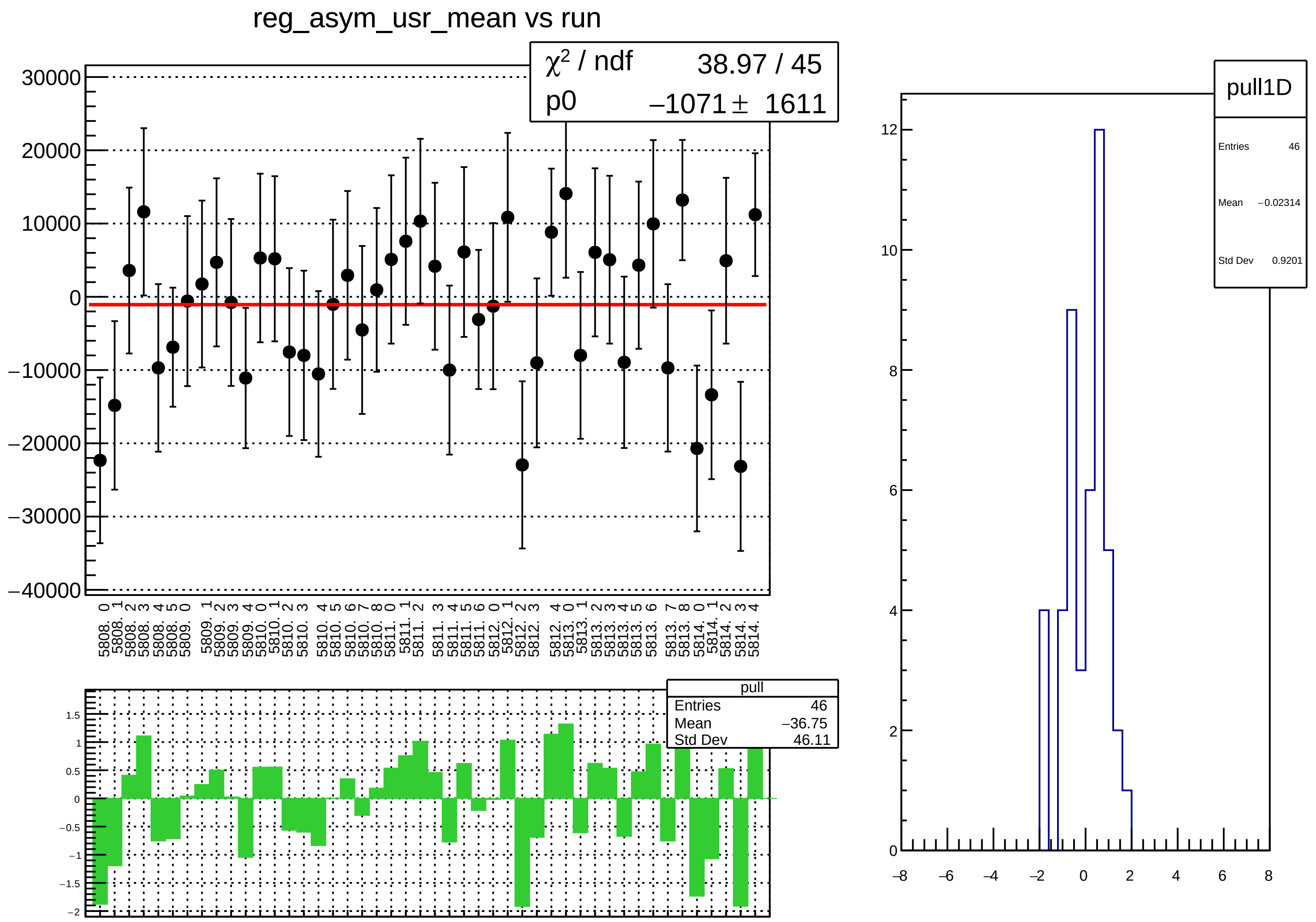
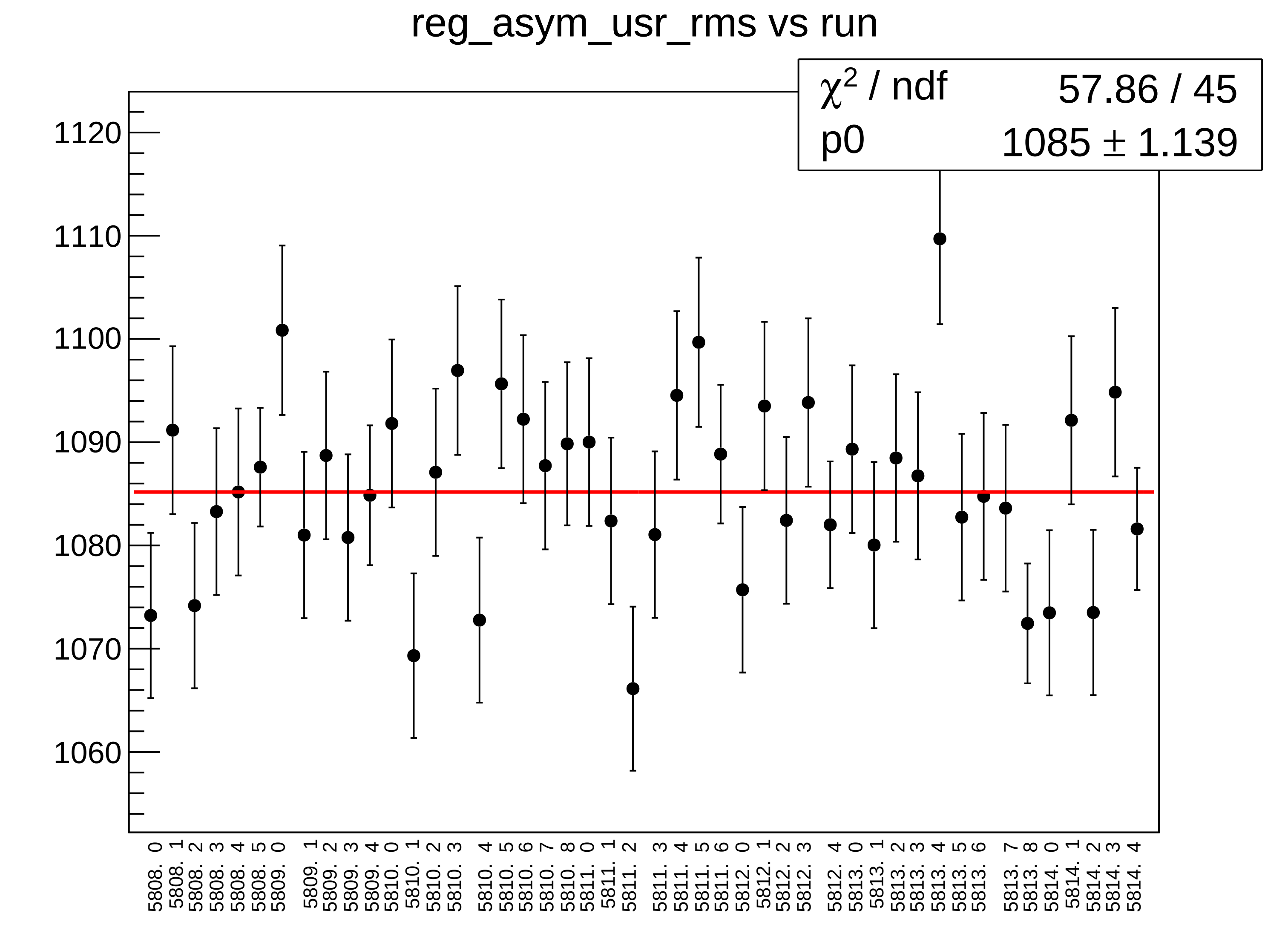
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_usl_mean vs run
χ^2 / ndf 44.8 / 45
p0 −6255 ± 2236
pull
Entries 46
Mean −376
Std Dev 397.6
pull1D
Entries 46
Mean 0.00659
Std Dev 0.9868


asym_usl_rms vs run
χ² / ndf 410.5 / 45
p0 1505 ± 1.581
1580
1560
1540
1520
1500
1480
1460
1440
1420



reg_asym_usr_mean vs run
χ2 / ndf 38.97 / 45
p0 −1071 ± 1611
pull
Entries 46
Mean −36.75
Std Dev 46.11
pull1D
Entries 46
Mean −0.02314
Std Dev 0.9201


reg_asym_usr_rms vs run
χ2 / ndf 57.86 / 45
p0 1085 ± 1.139
1060
1070
1080
1090
1100
1110
1120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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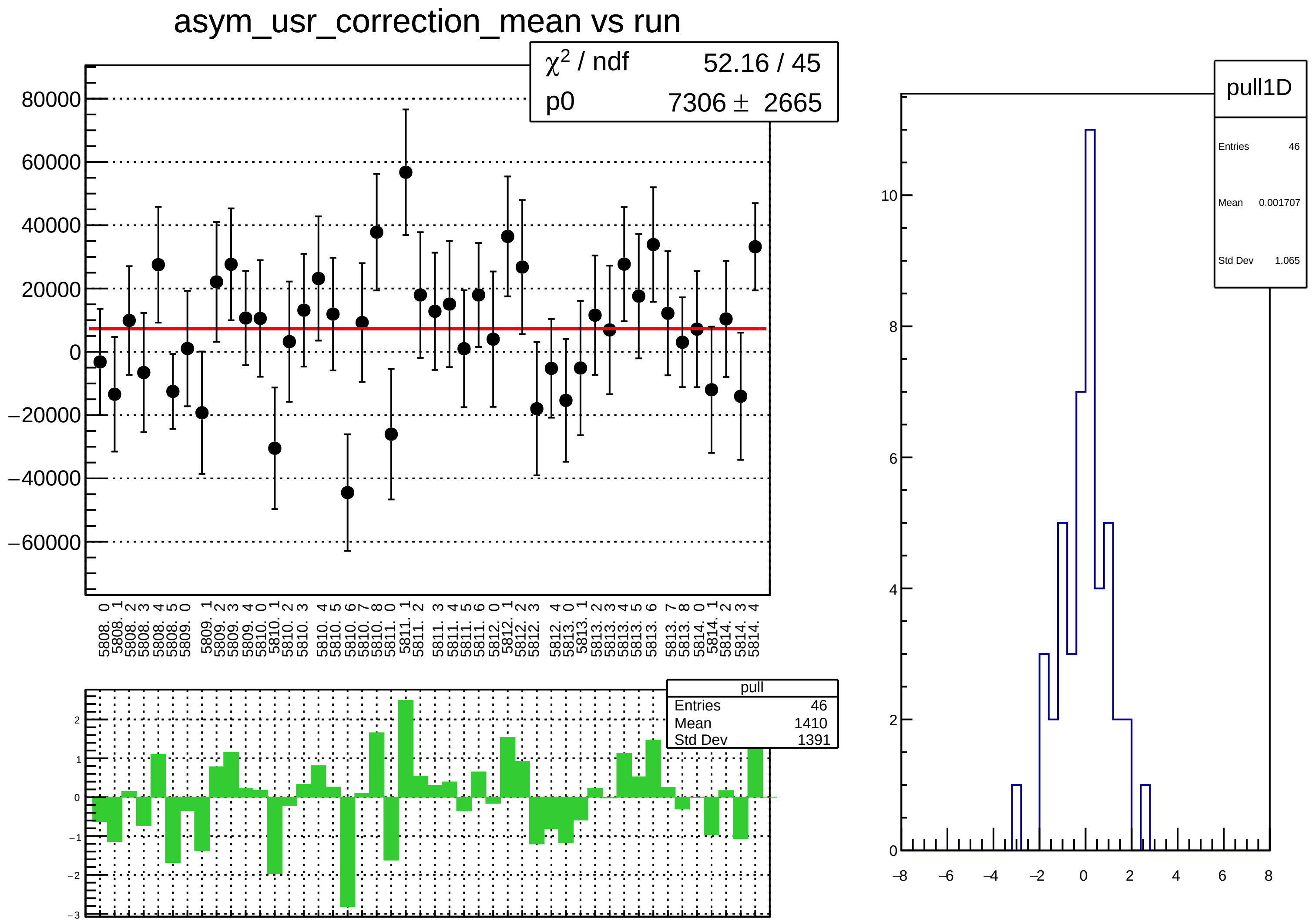
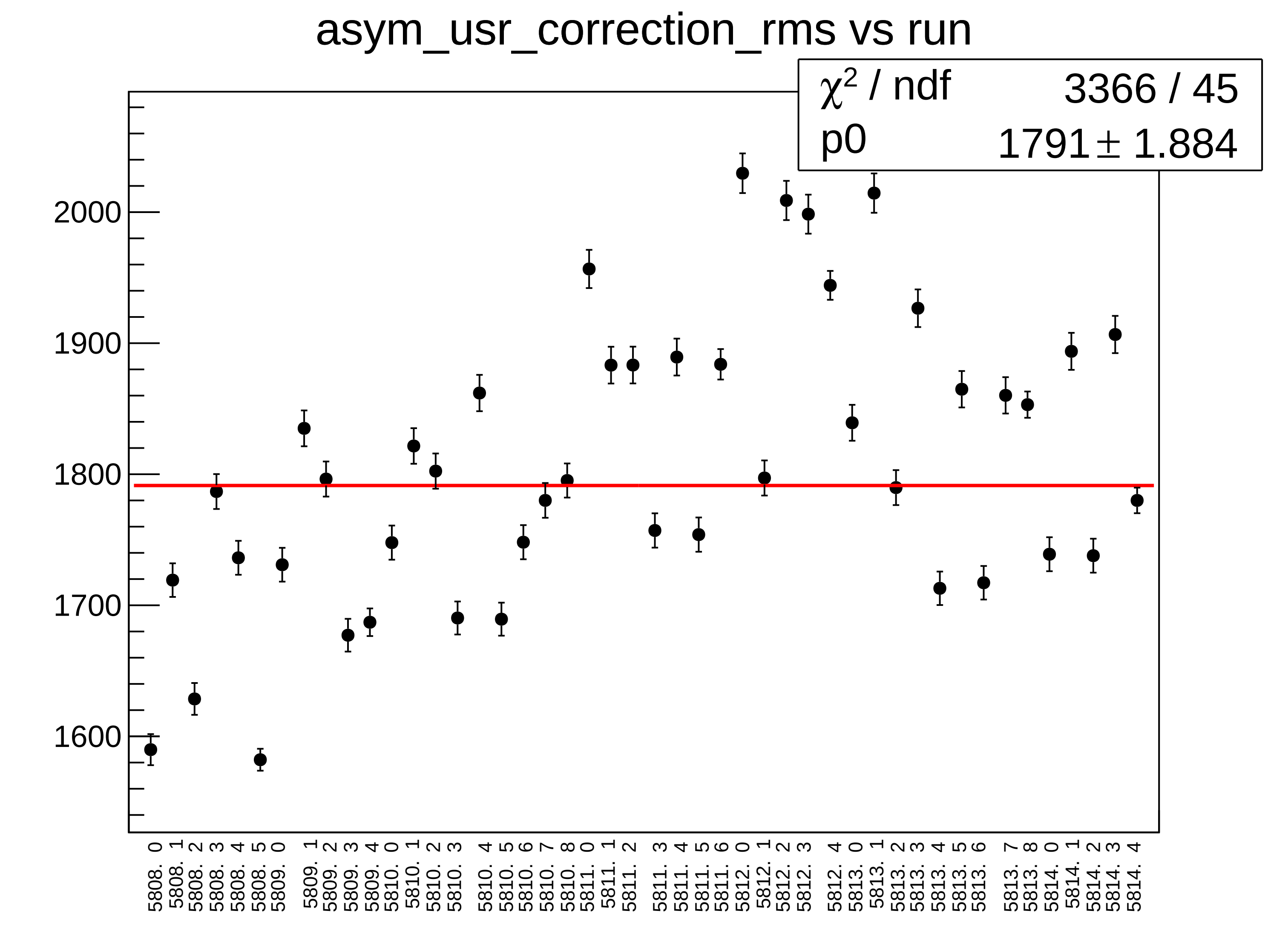
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_usr_correction_mean vs run
χ2 / ndf 52.16 / 45
p0 7306 ± 2665
pull
Entries 46
Mean 1410
Std Dev 1391
pull1D
Entries 46
Mean 0.001707
Std Dev 1.065



asym_usr_correction_rms vs run
χ^2 / ndf 3366 / 45
p0 1791 ± 1.884
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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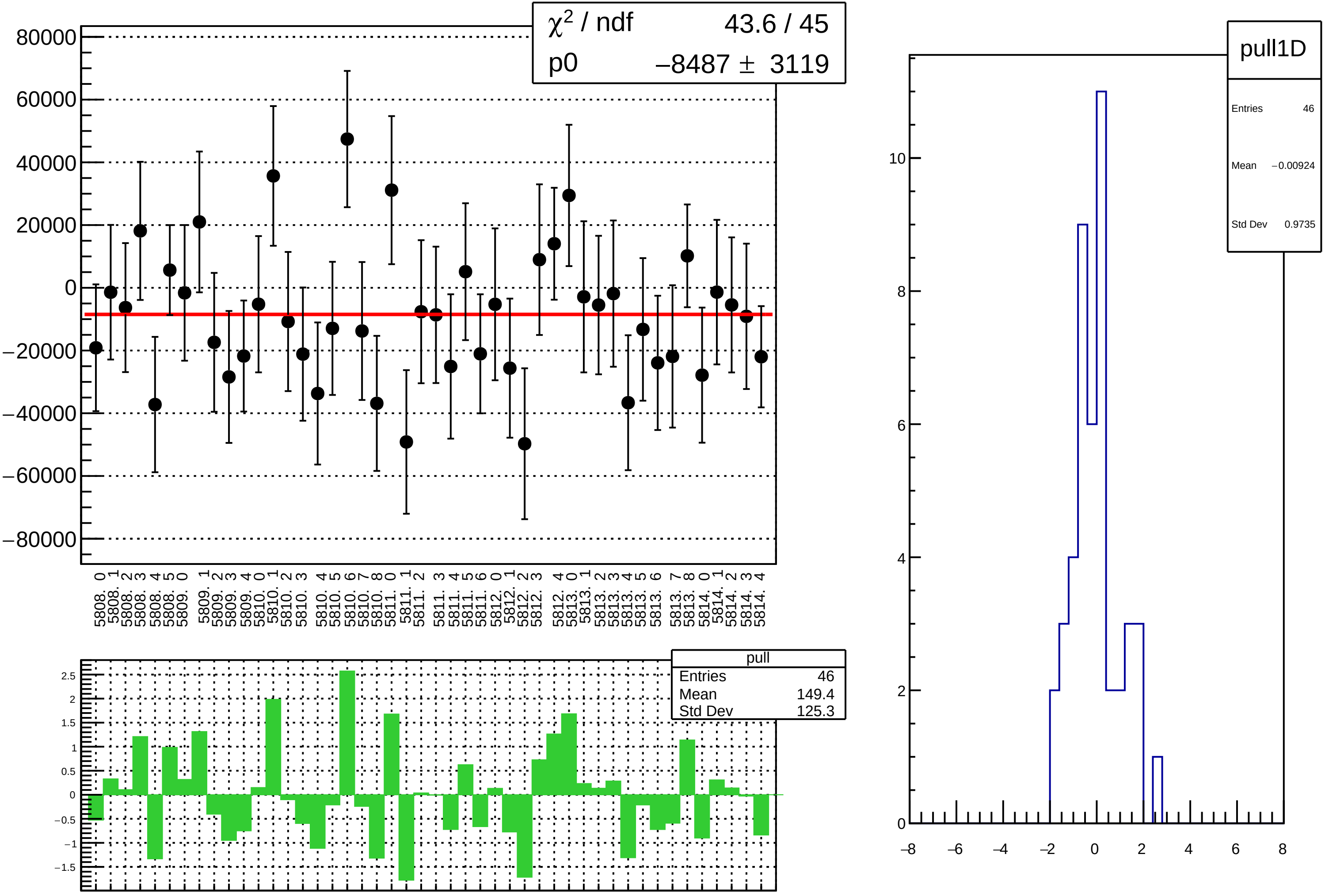
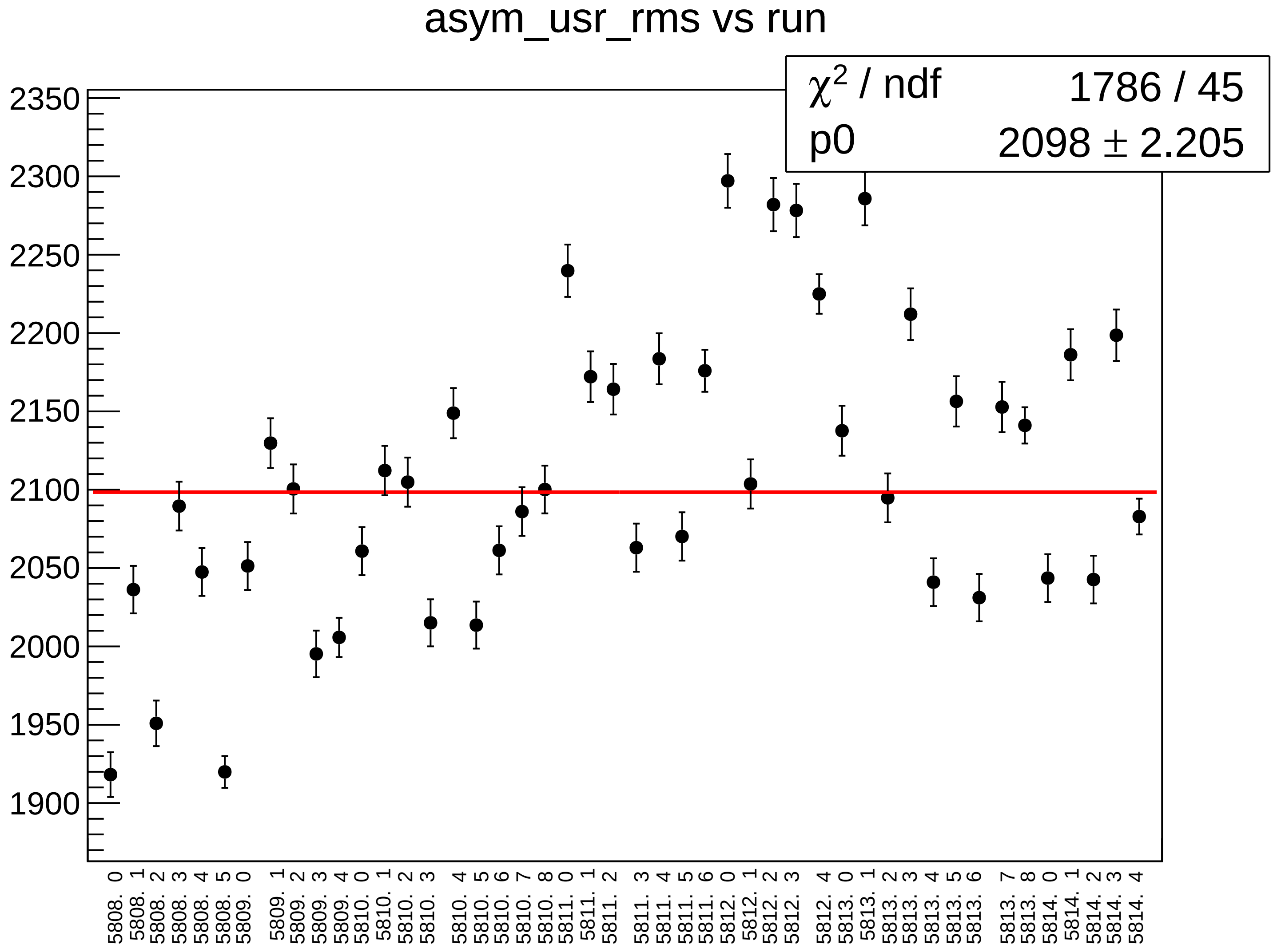
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

asym_usr_mean vs run





asym_usr_rms vs run
χ^2 / ndf 1786 / 45
p0 2098 ± 2.205
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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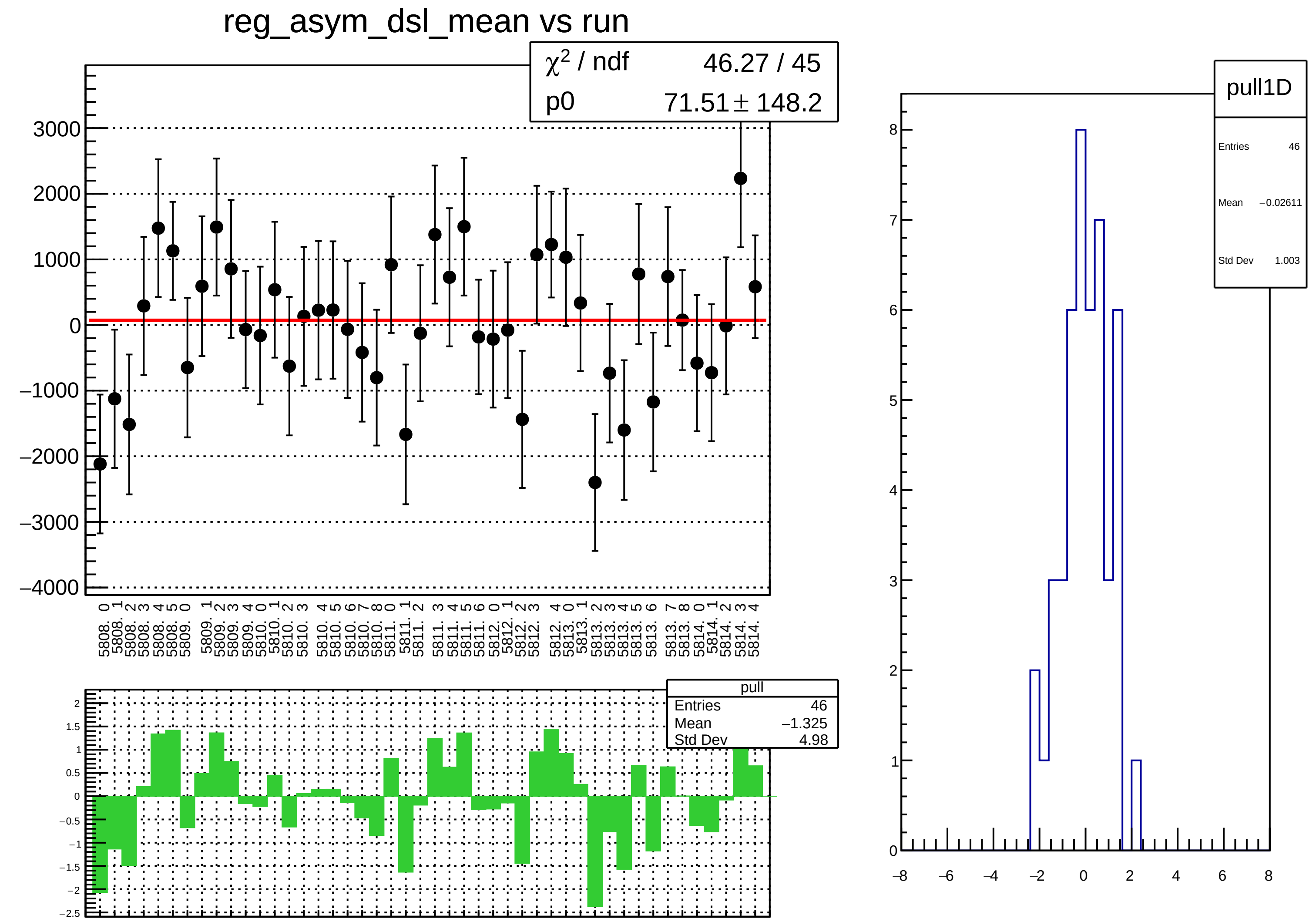
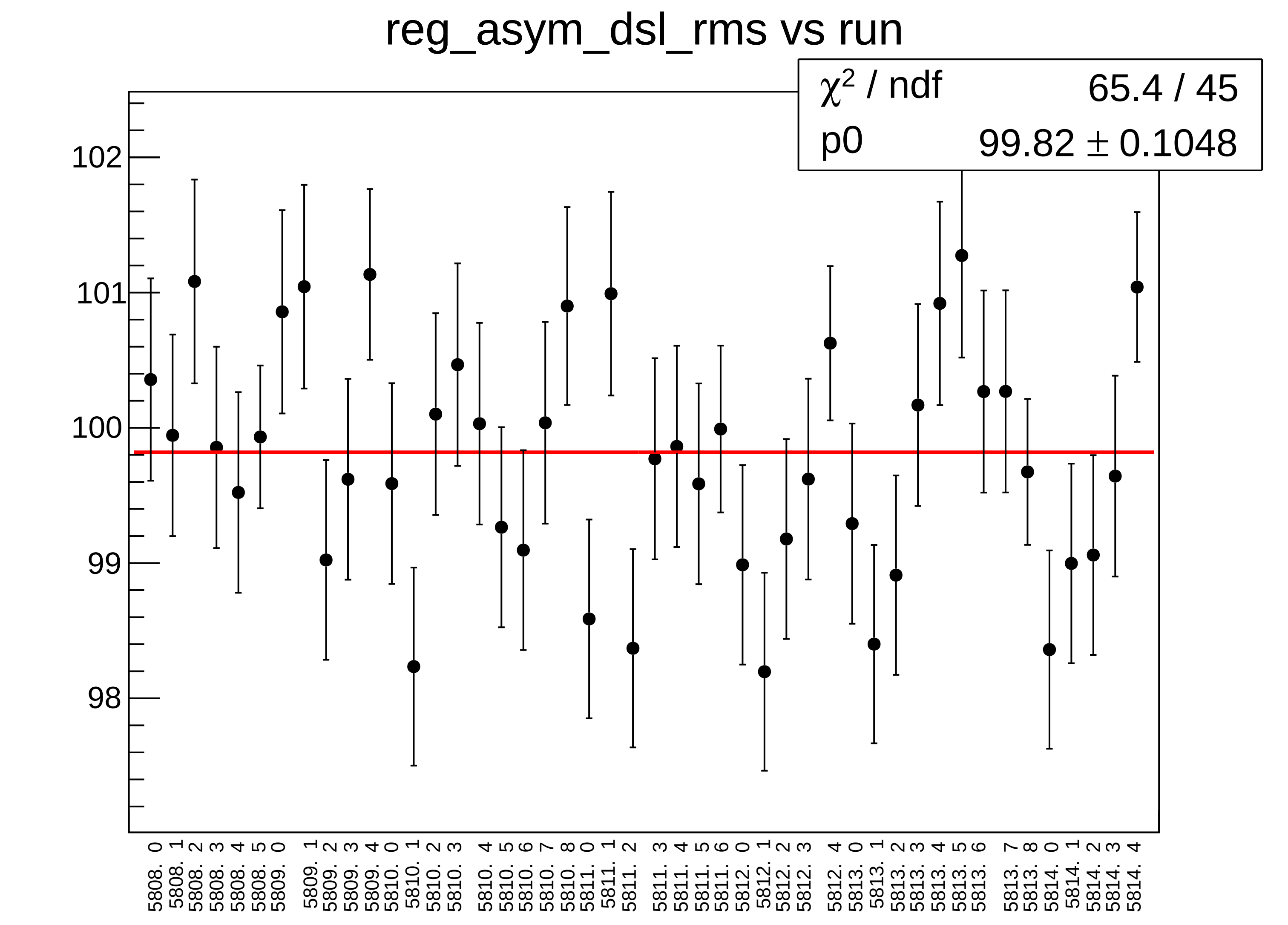
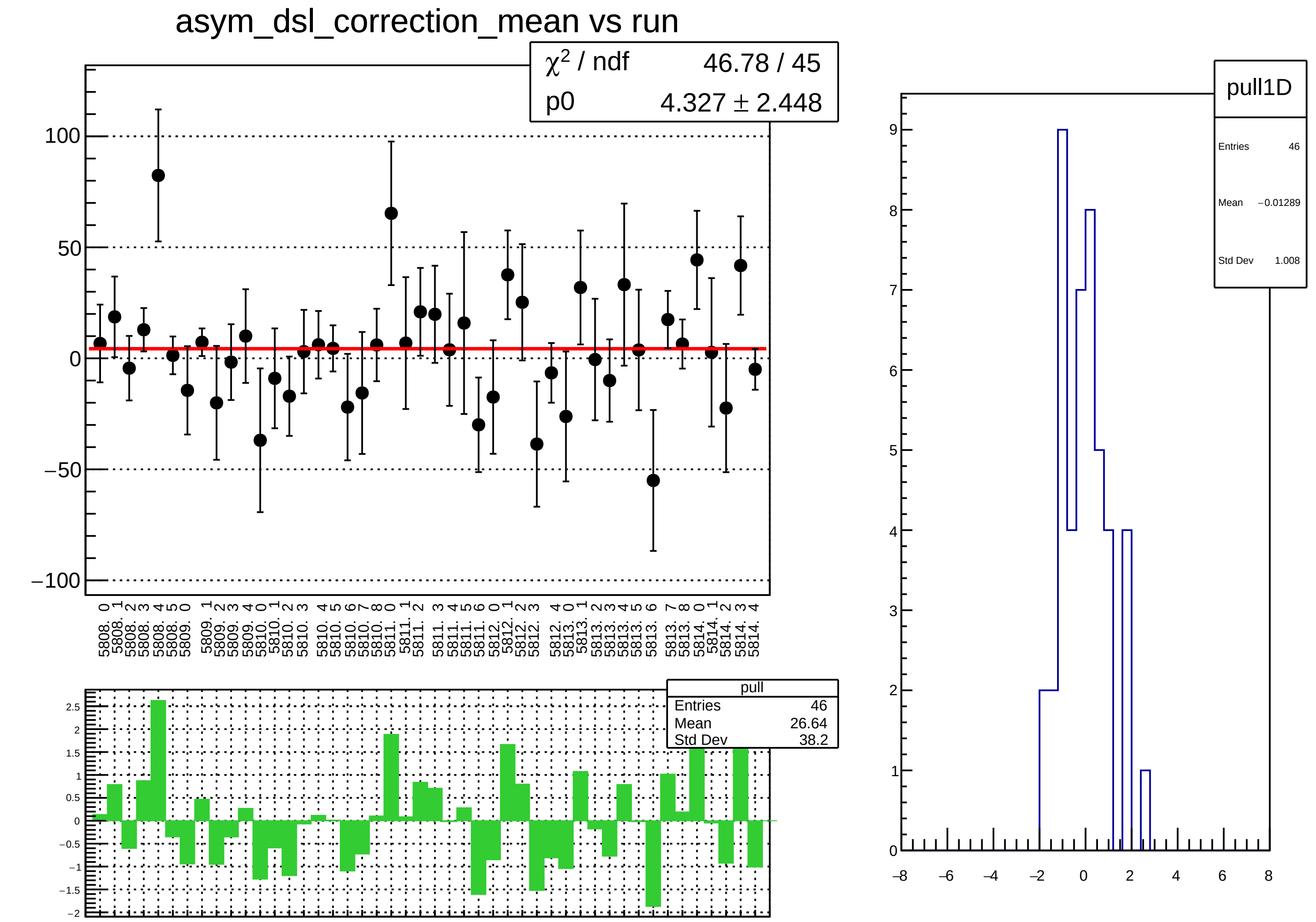
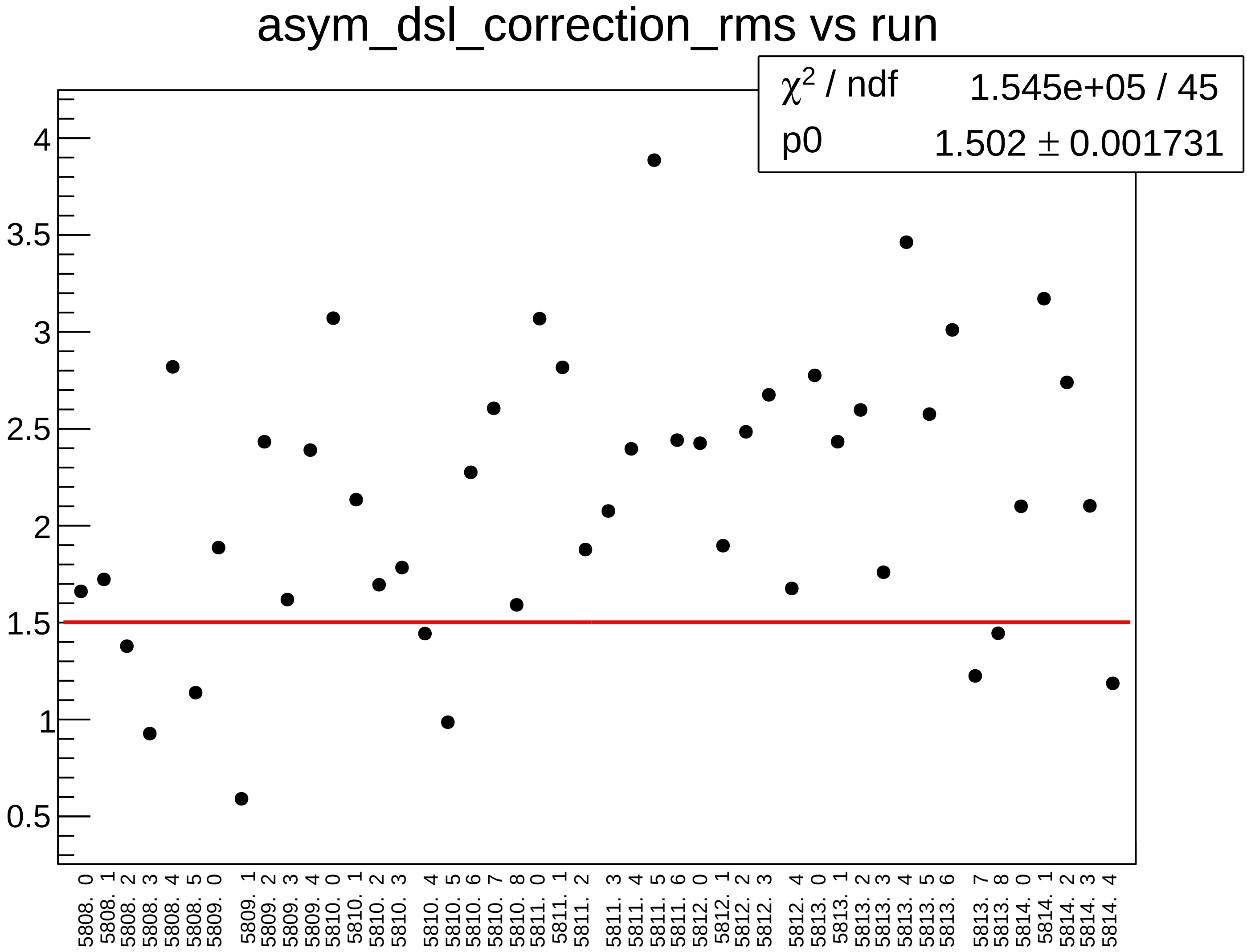
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


reg_asym_dsl_mean vs run
χ2 / ndf 46.27 / 45
p0 71.51 ± 148.2
pull
Entries 46
Mean −1.325
Std Dev 4.98
pull1D
Entries 46
Mean −0.02611
Std Dev 1.003



reg_asym_dsl_rms vs run
χ^2 / ndf 65.4 / 45
p0 99.82 ± 0.1048
102
101
100
99
98
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_dsl_correction_mean vs run
χ2 / ndf 46.78 / 45
p0 4.327 ± 2.448
pull
Entries 46
Mean 26.64
Std Dev 38.2
pull1D
Entries 46
Mean −0.01289
Std Dev 1.008


asym_dsl_correction_rms vs run
χ2 / ndf 1.545e+05 / 45
p0 1.502 ± 0.001731
4
3.5
3
2.5
2
1.5
1
0.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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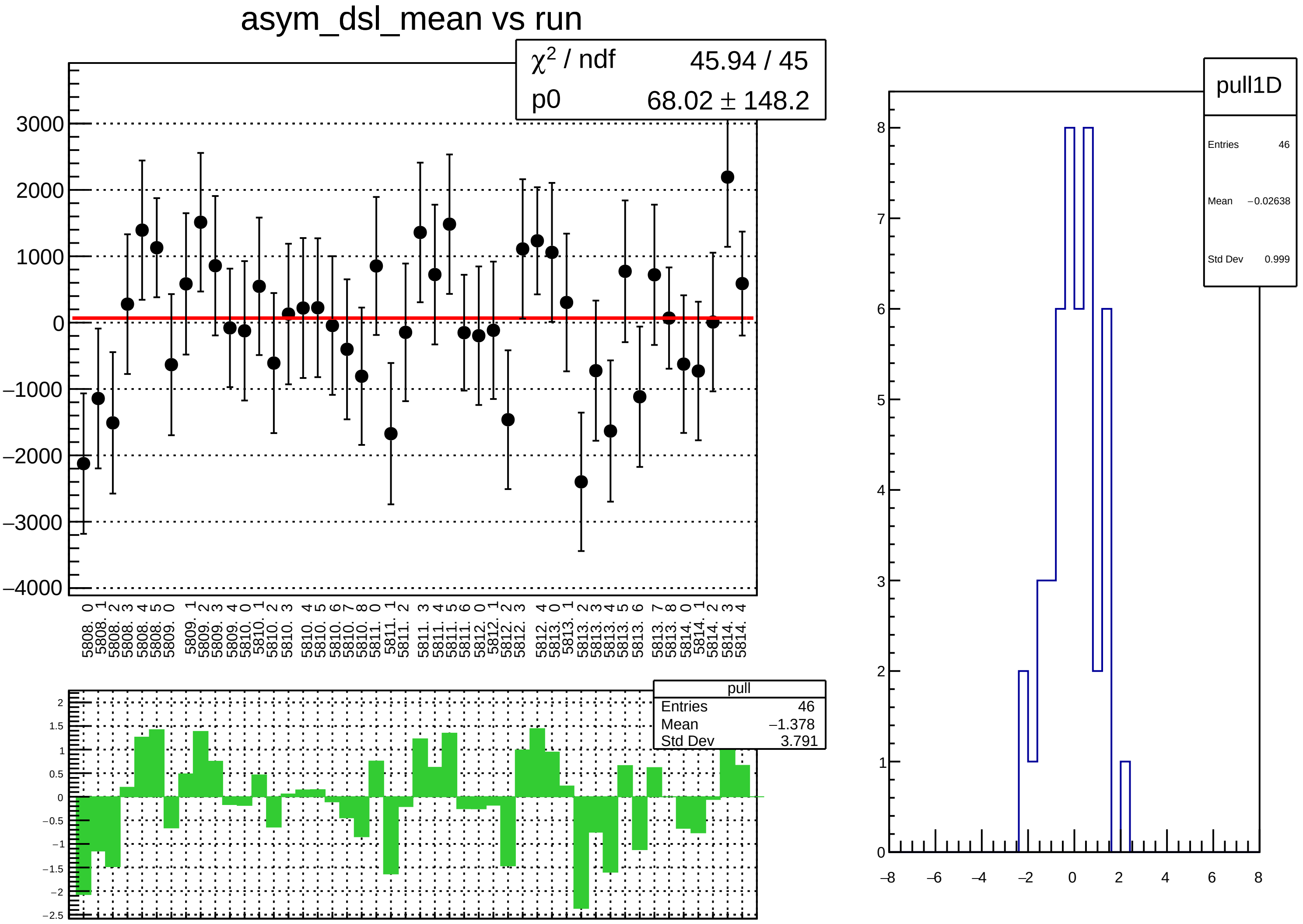
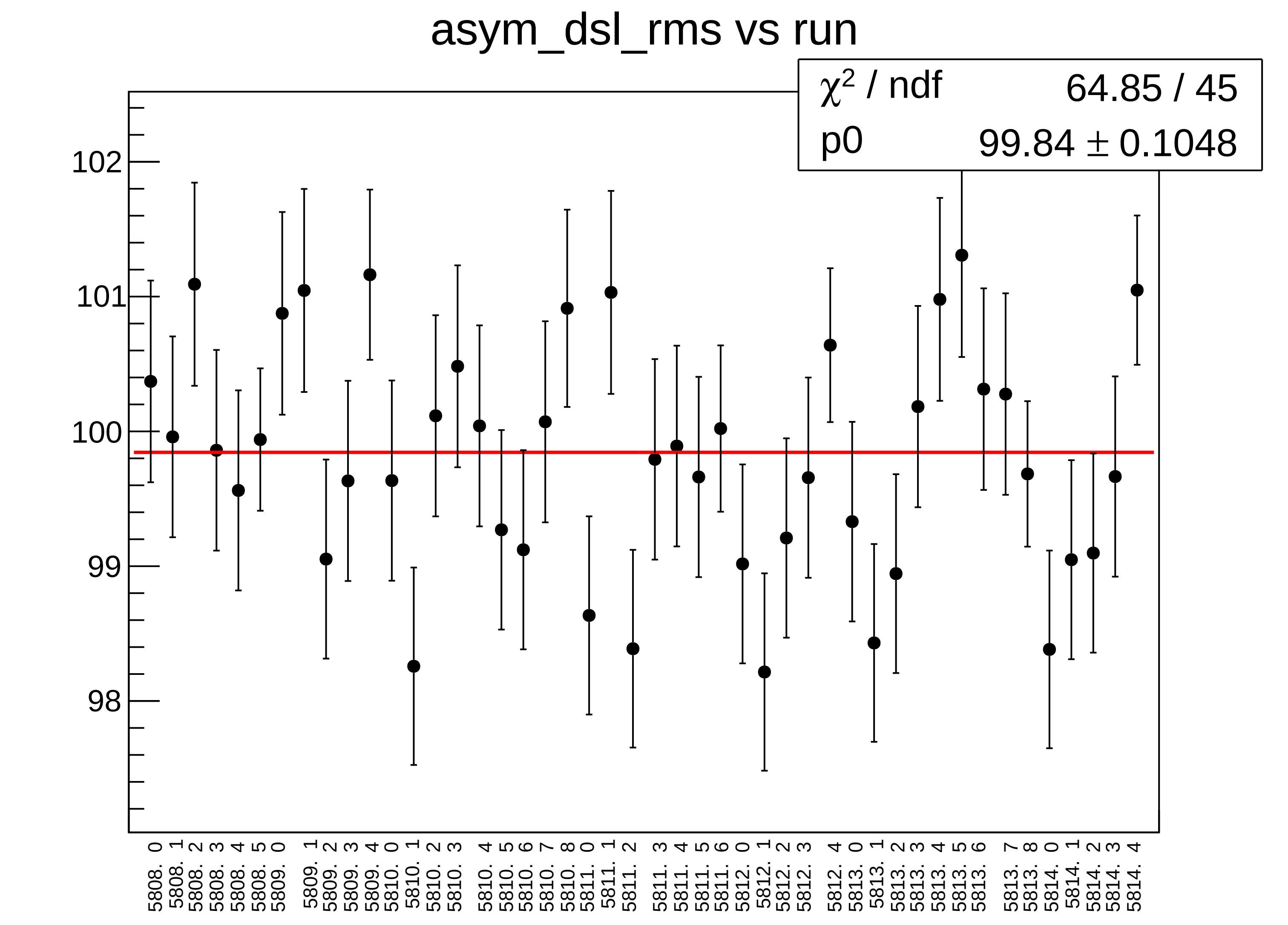
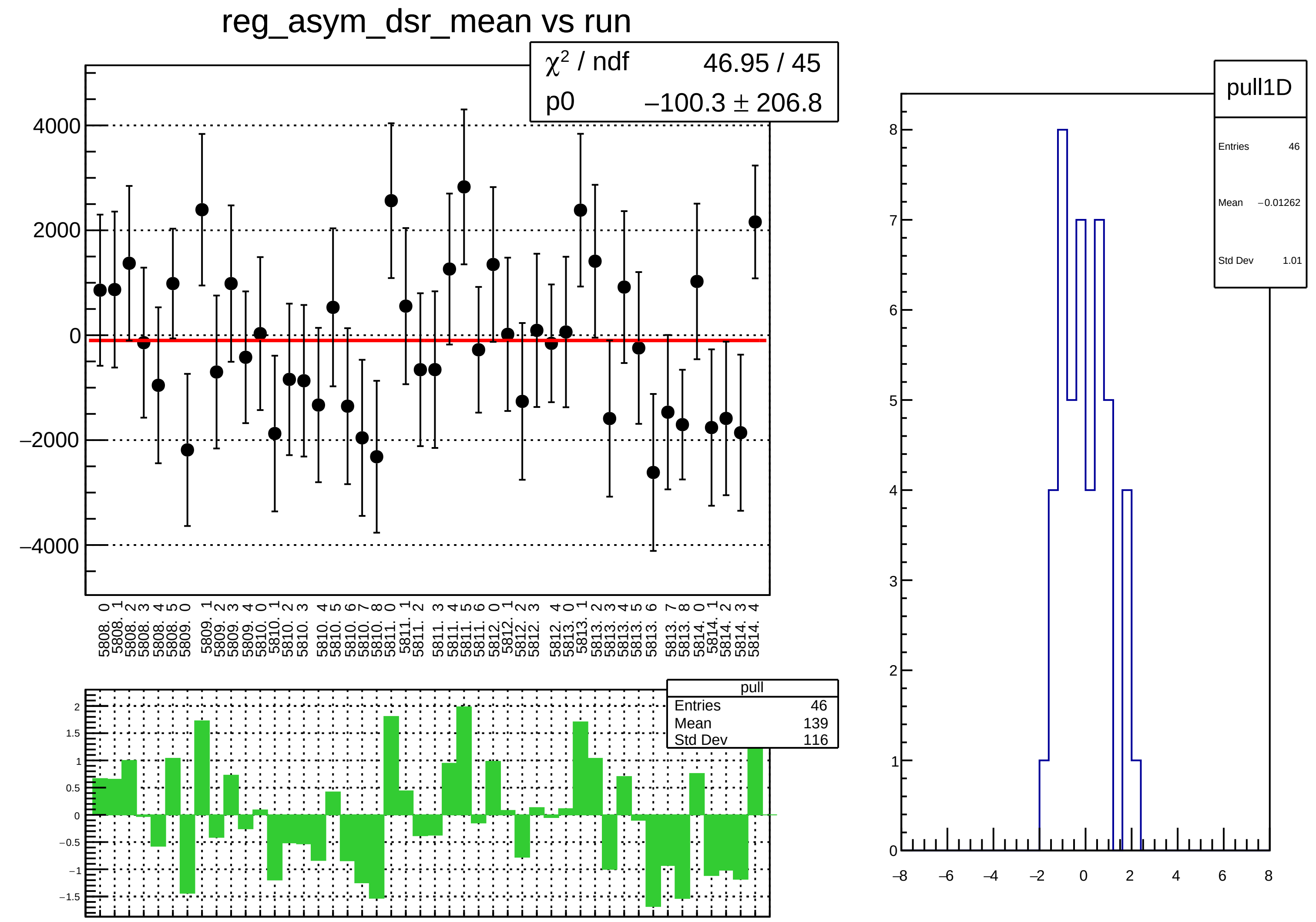
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



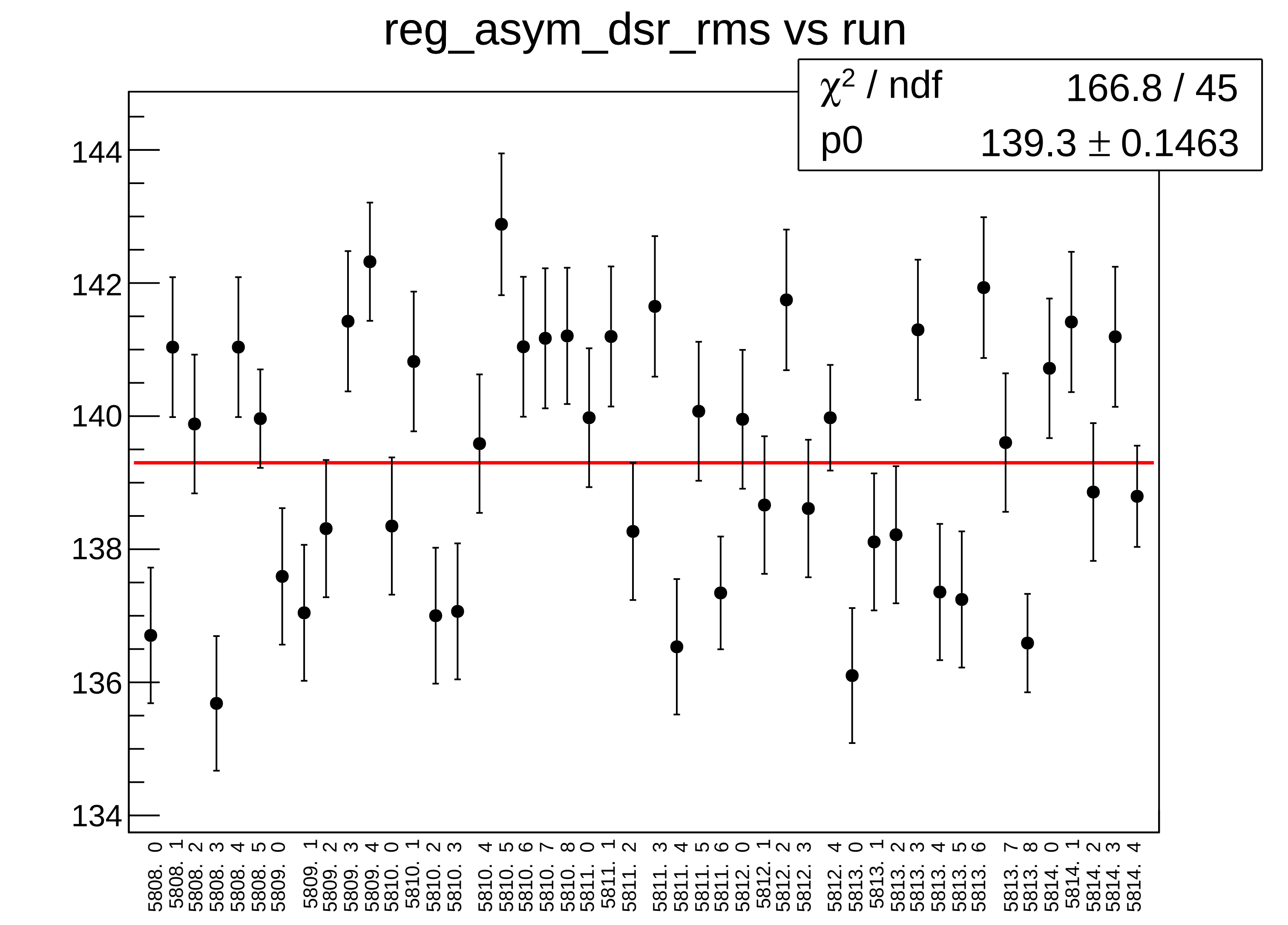
asym_dsl_mean vs run
χ2 / ndf 45.94 / 45
p0 68.02 ± 148.2
pull
Entries 46
Mean −1.378
Std Dev 3.791
pull1D
Entries 46
Mean −0.02638
Std Dev 0.999



asym_dsl_rms vs run
χ2 / ndf 64.85 / 45
p0 99.84 ± 0.1048
102
101
100
99
98



reg_asym_dsr_mean vs run
χ^2 / ndf 46.95 / 45
p0 −100.3 ± 206.8
pull
Entries 46
Mean 139
Std Dev 116
pull1D
Entries 46
Mean −0.01262
Std Dev 1.01



reg_asym_dsr_rms vs run
χ² / ndf 166.8 / 45
p0 139.3 ± 0.1463
144
142
140
138
136
134
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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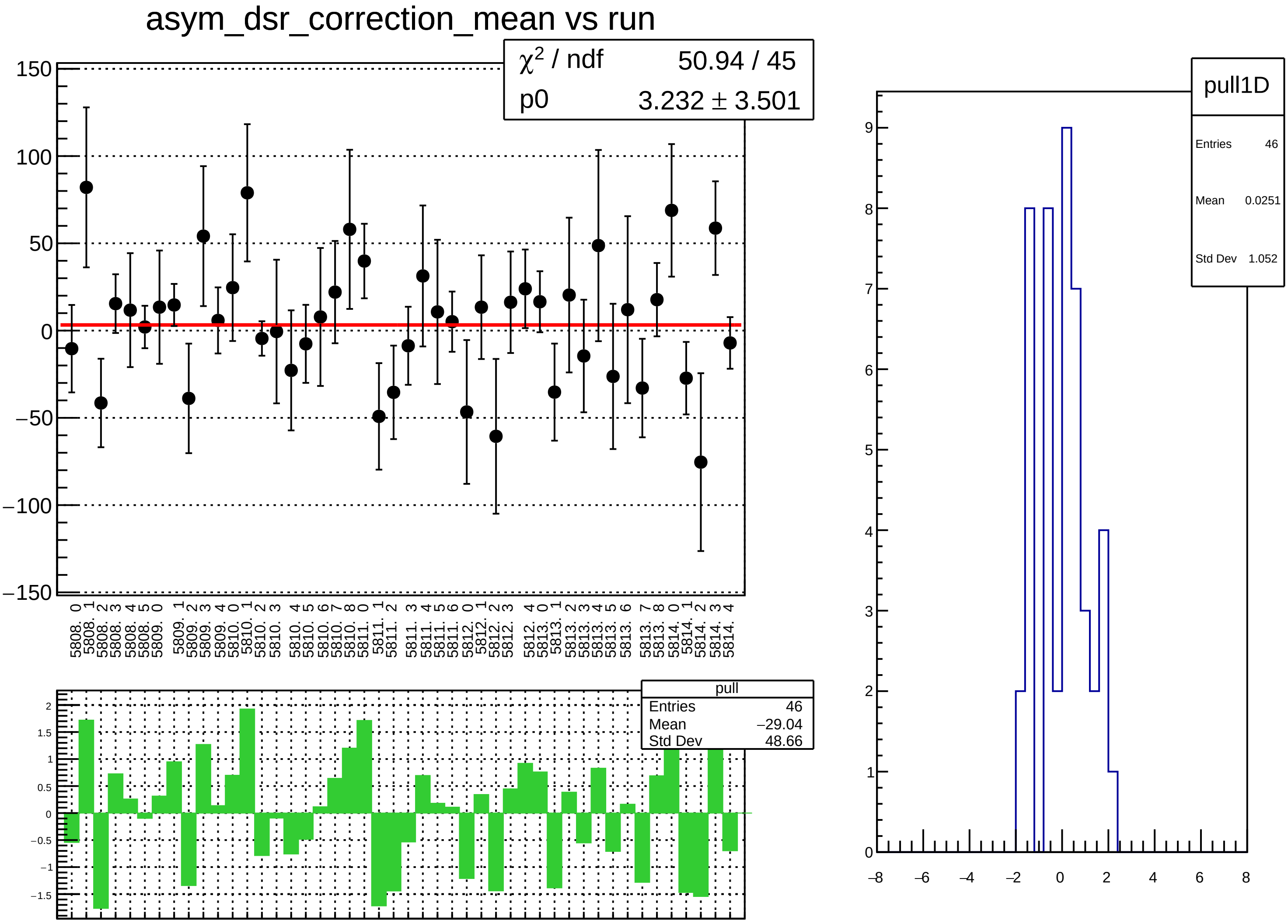
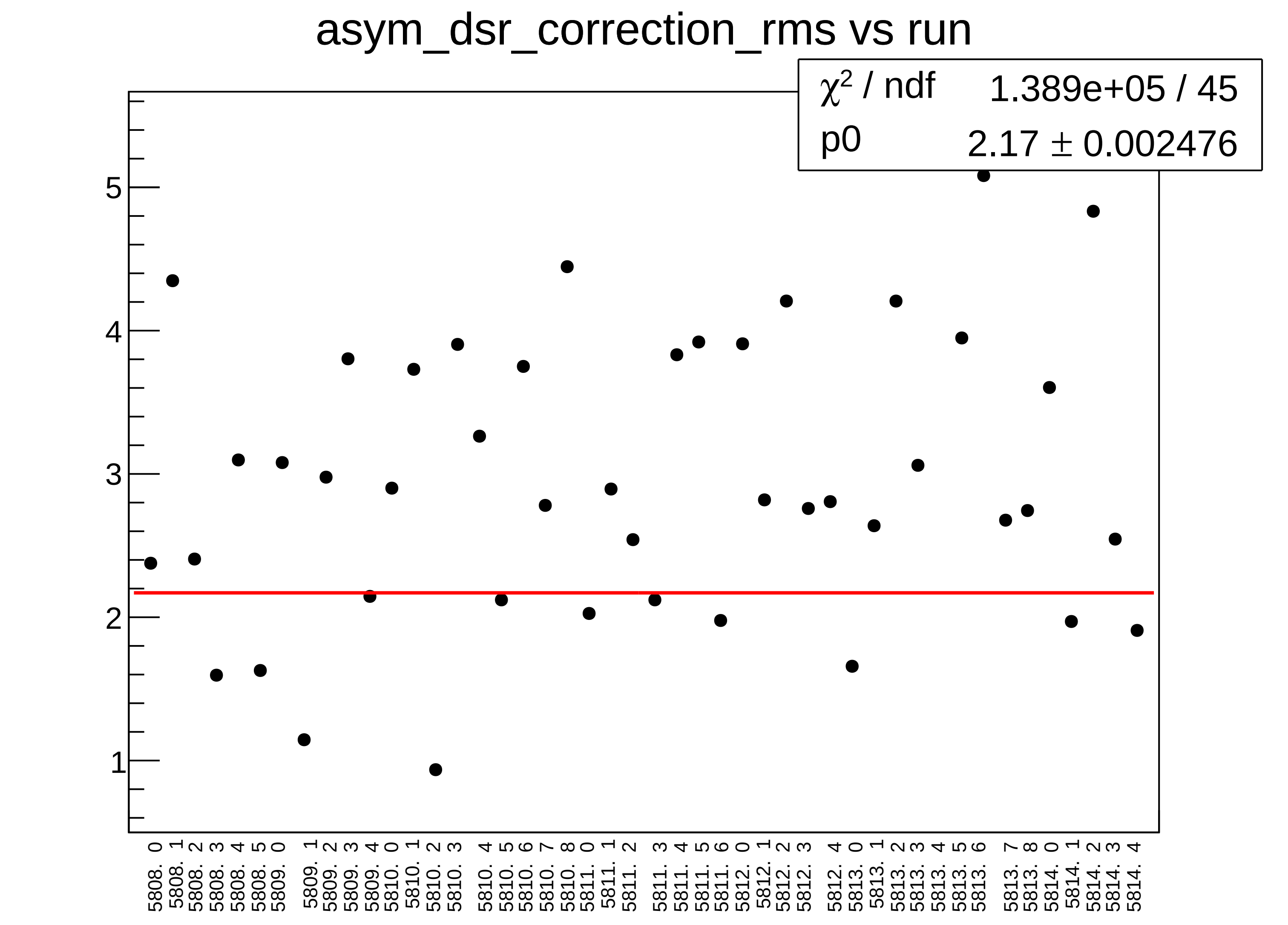
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_dsr_correction_mean vs run
χ^2 / ndf 50.94 / 45
p0 3.232 ± 3.501
pull
Entries 46
Mean −29.04
Std Dev 48.66
pull1D
Entries 46
Mean 0.0251
Std Dev 1.052


asym_dsr_correction_rms vs run
χ2 / ndf 1.389e+05 / 45
p0 2.17 ± 0.002476
1
2
3
4
5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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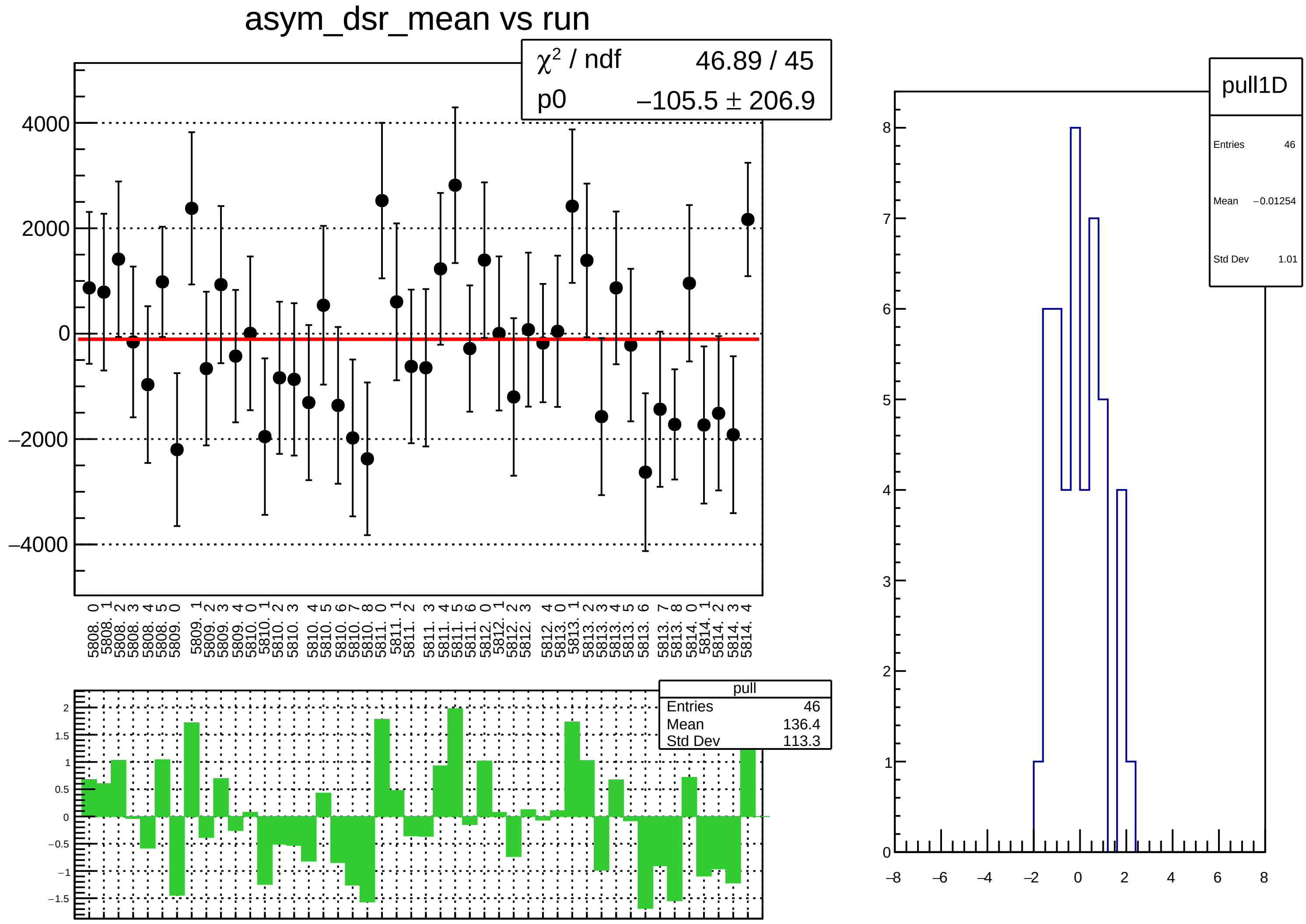
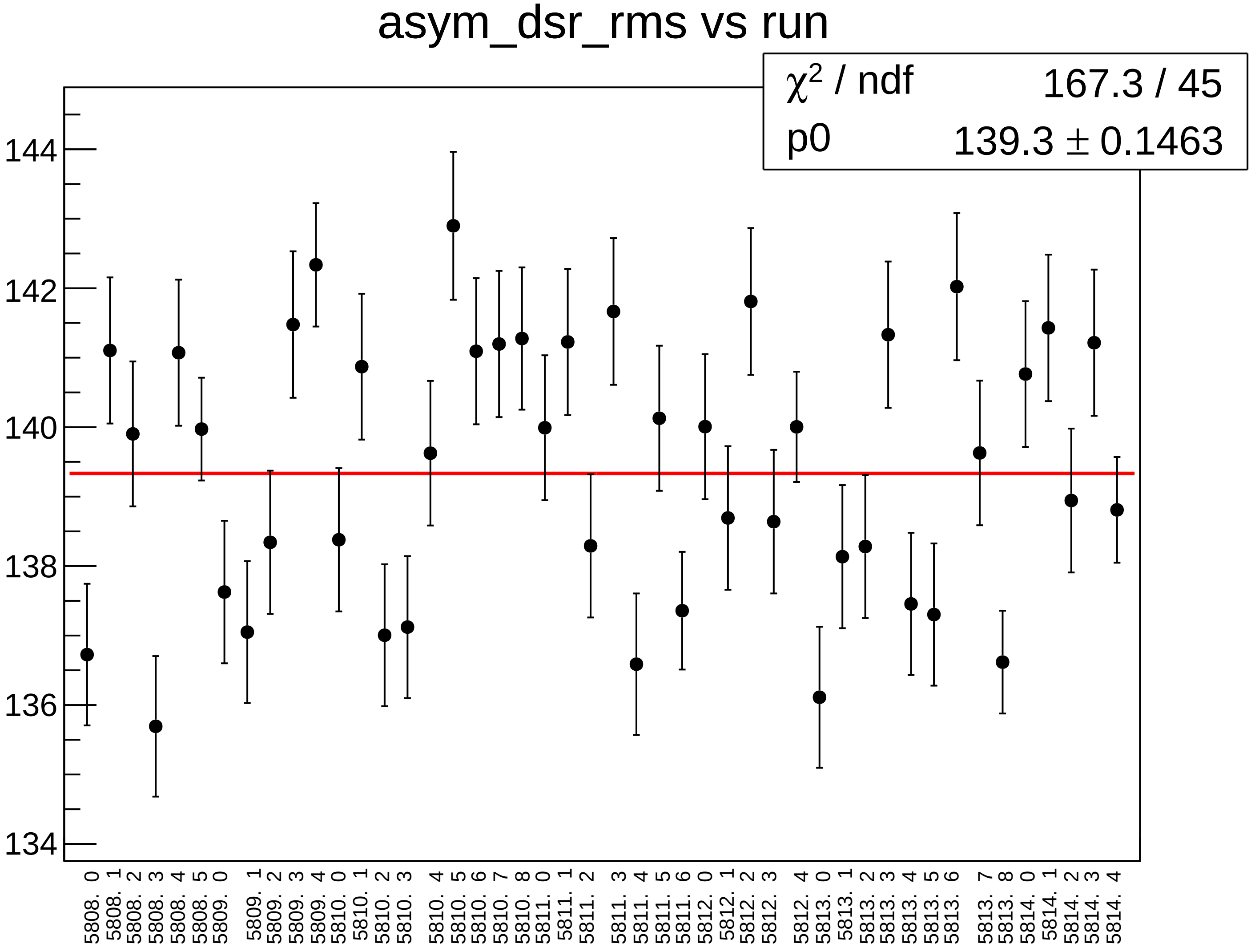
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_dsr_mean vs run
χ^2 / ndf 46.89 / 45
p0 −105.5 ± 206.9
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 136.4
Std Dev 113.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.01254
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_dsr_rms vs run
χ^2 / ndf 167.3 / 45
p0 139.3 ± 0.1463
144
142
140
138
136
134
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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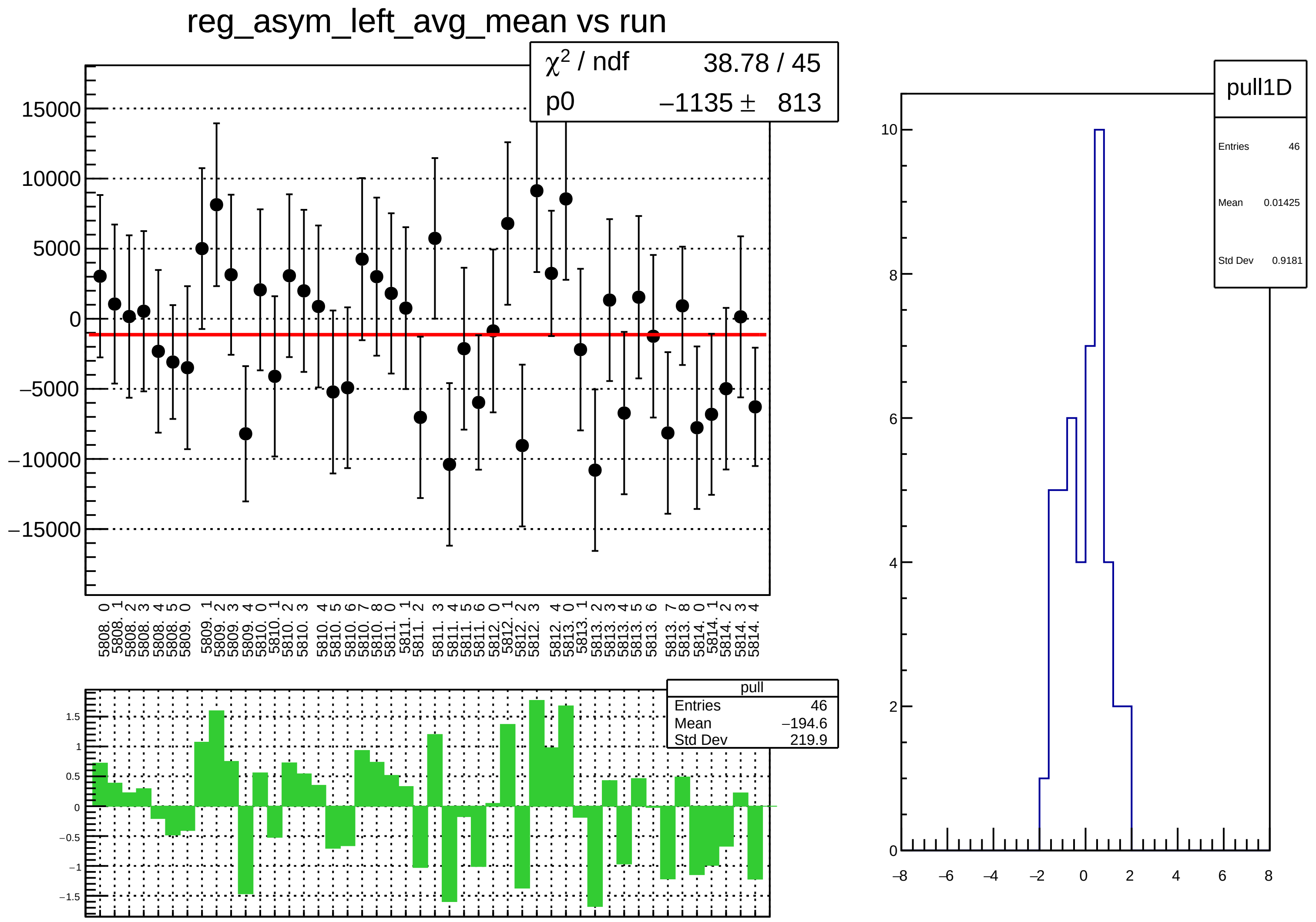
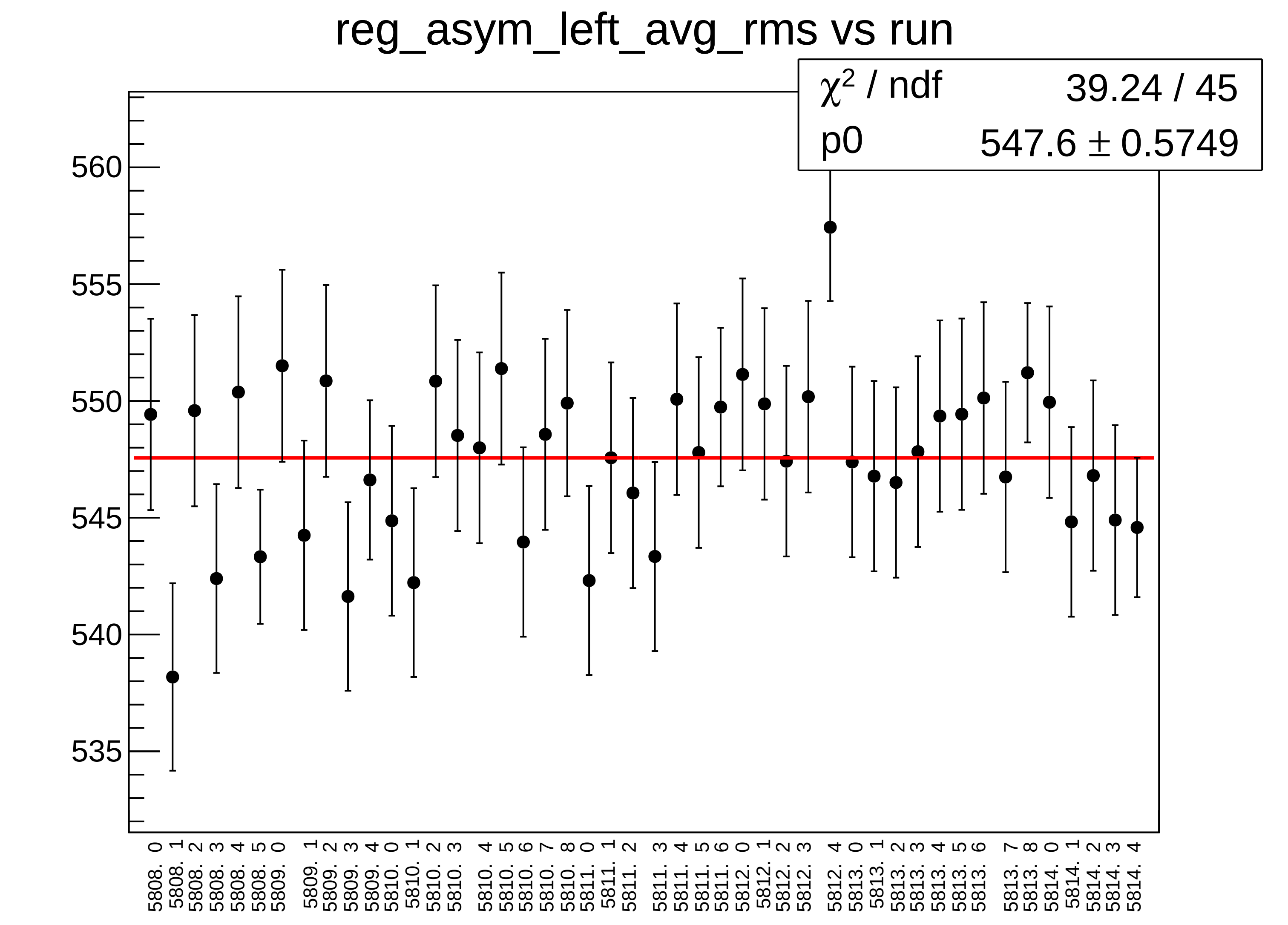
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



reg_asym_left_avg_mean vs run
χ^2 / ndf 38.78 / 45
p0 −1135 ± 813
pull
Entries 46
Mean −194.6
Std Dev 219.9
pull1D
Entries 46
Mean 0.01425
Std Dev 0.9181


reg_asym_left_avg_rms vs run
χ2 / ndf 39.24 / 45
p0 547.6 ± 0.5749
560
555
550
545
540
535
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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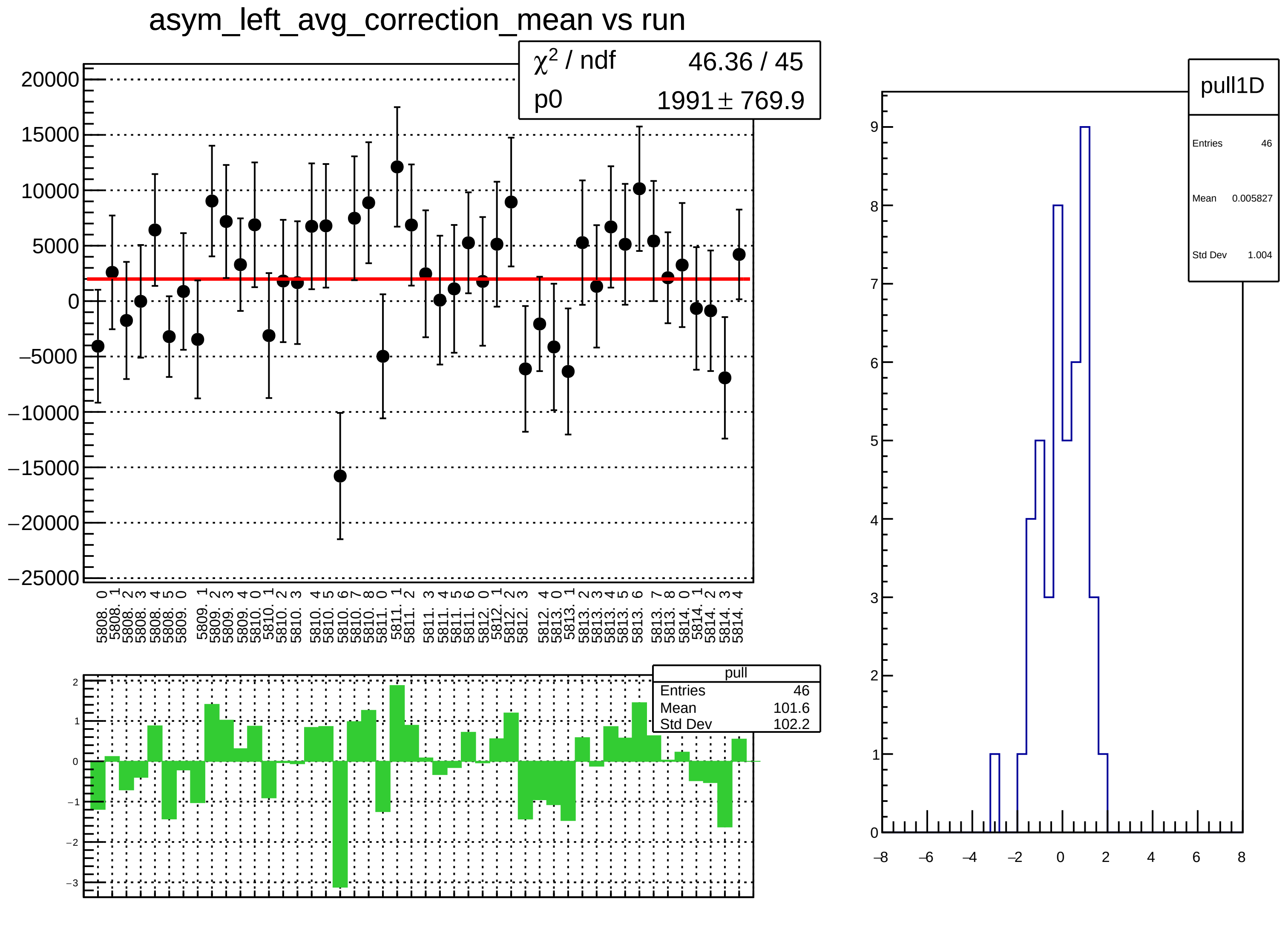
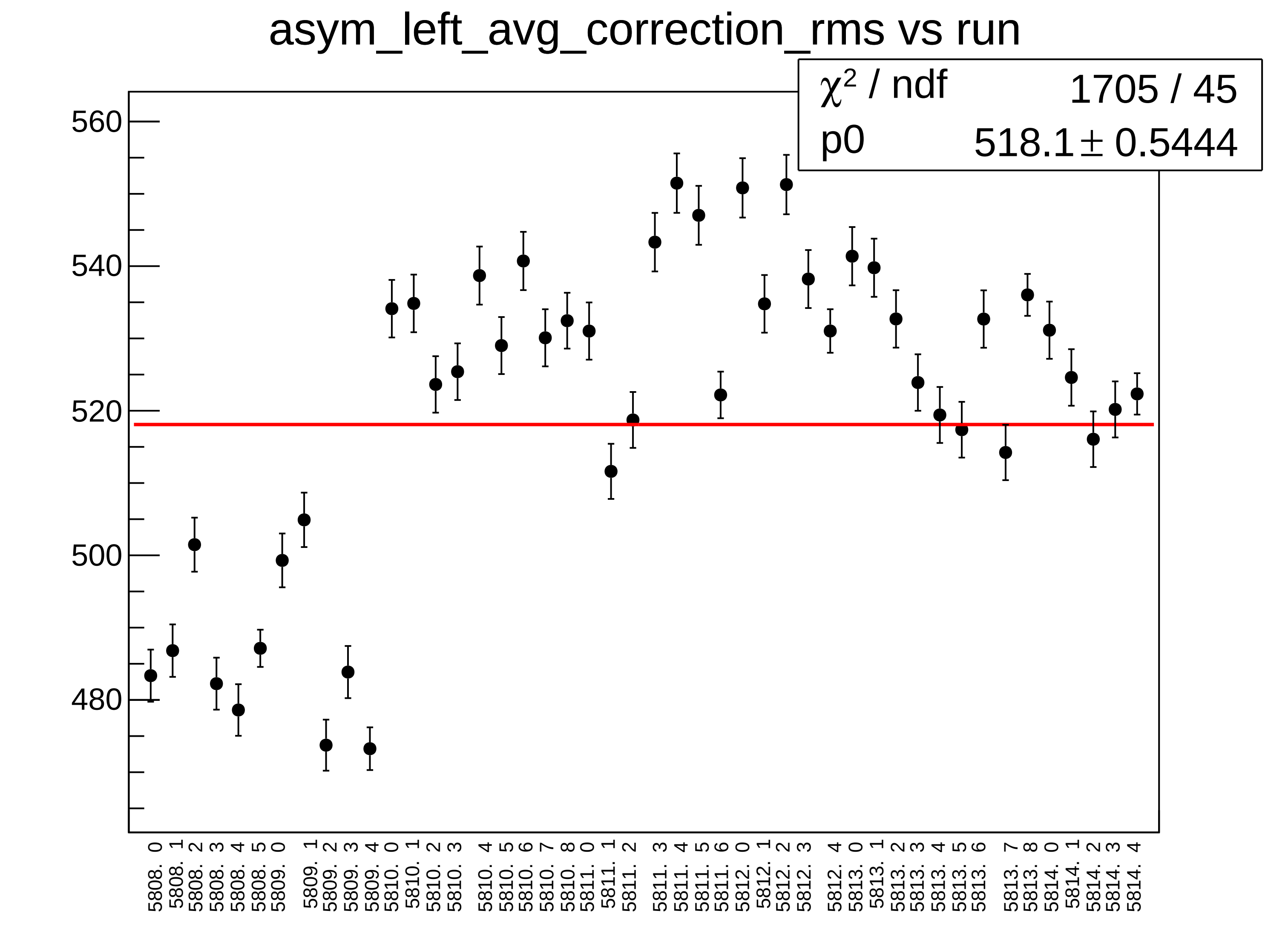
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_left_avg_correction_mean vs run
χ^2 / ndf 46.36 / 45
p0 1991 ± 769.9
pull
Entries 46
Mean 101.6
Std Dev 102.2
pull1D
Entries 46
Mean 0.005827
Std Dev 1.004


asym_left_avg_correction_rms vs run
χ^2 / ndf 1705 / 45
p0 518.1 ± 0.5444
560
540
520
500
480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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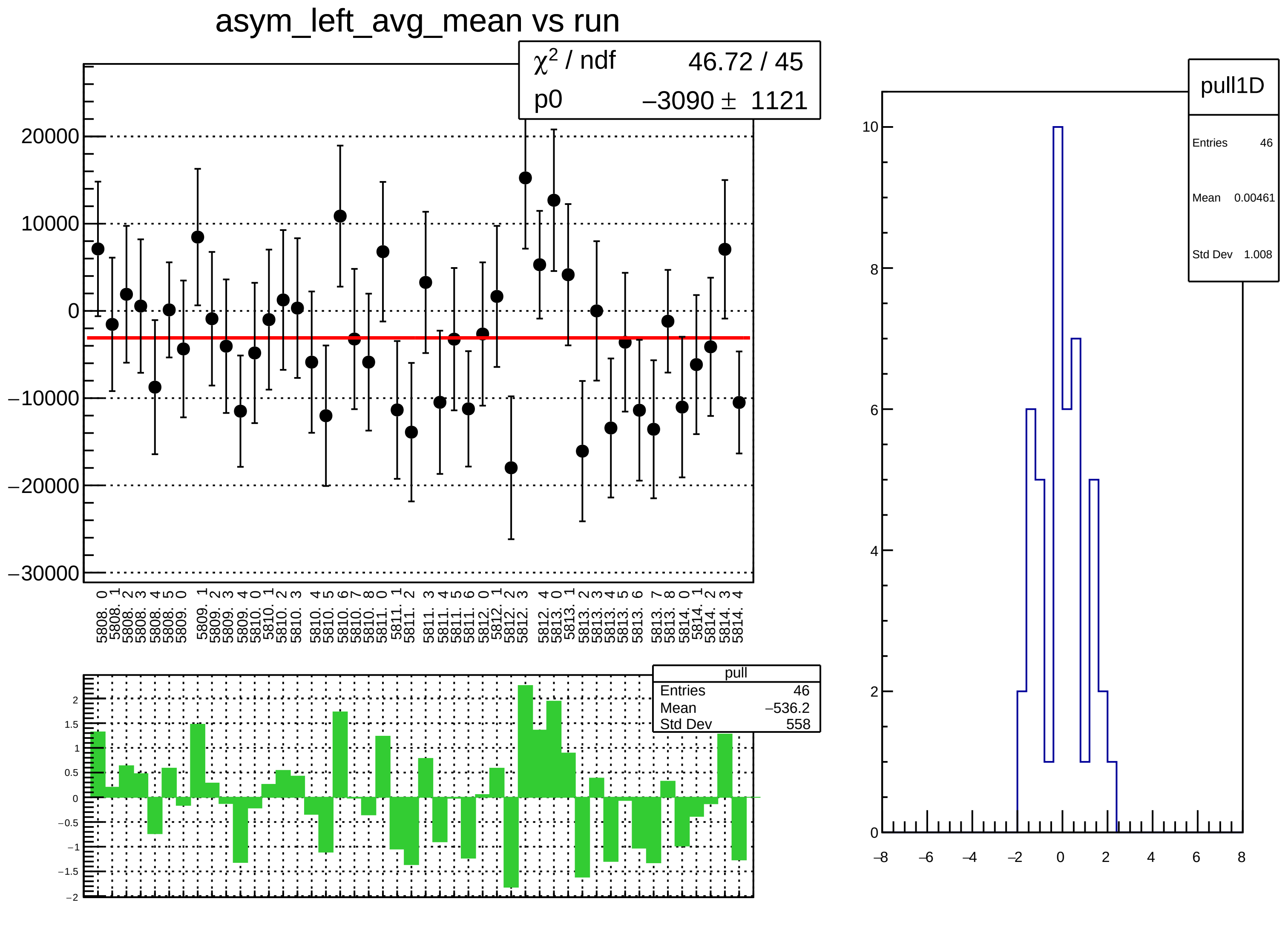
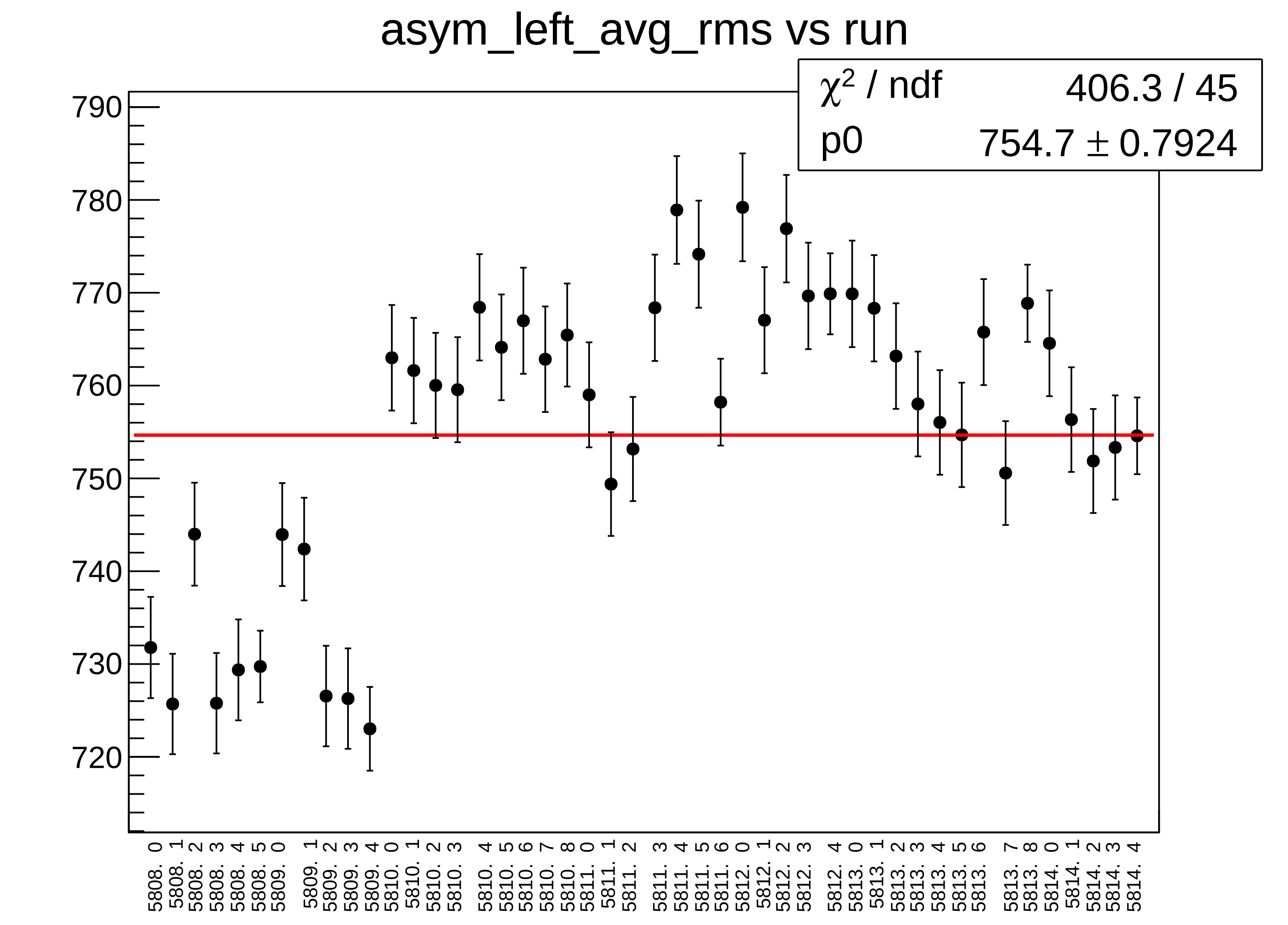
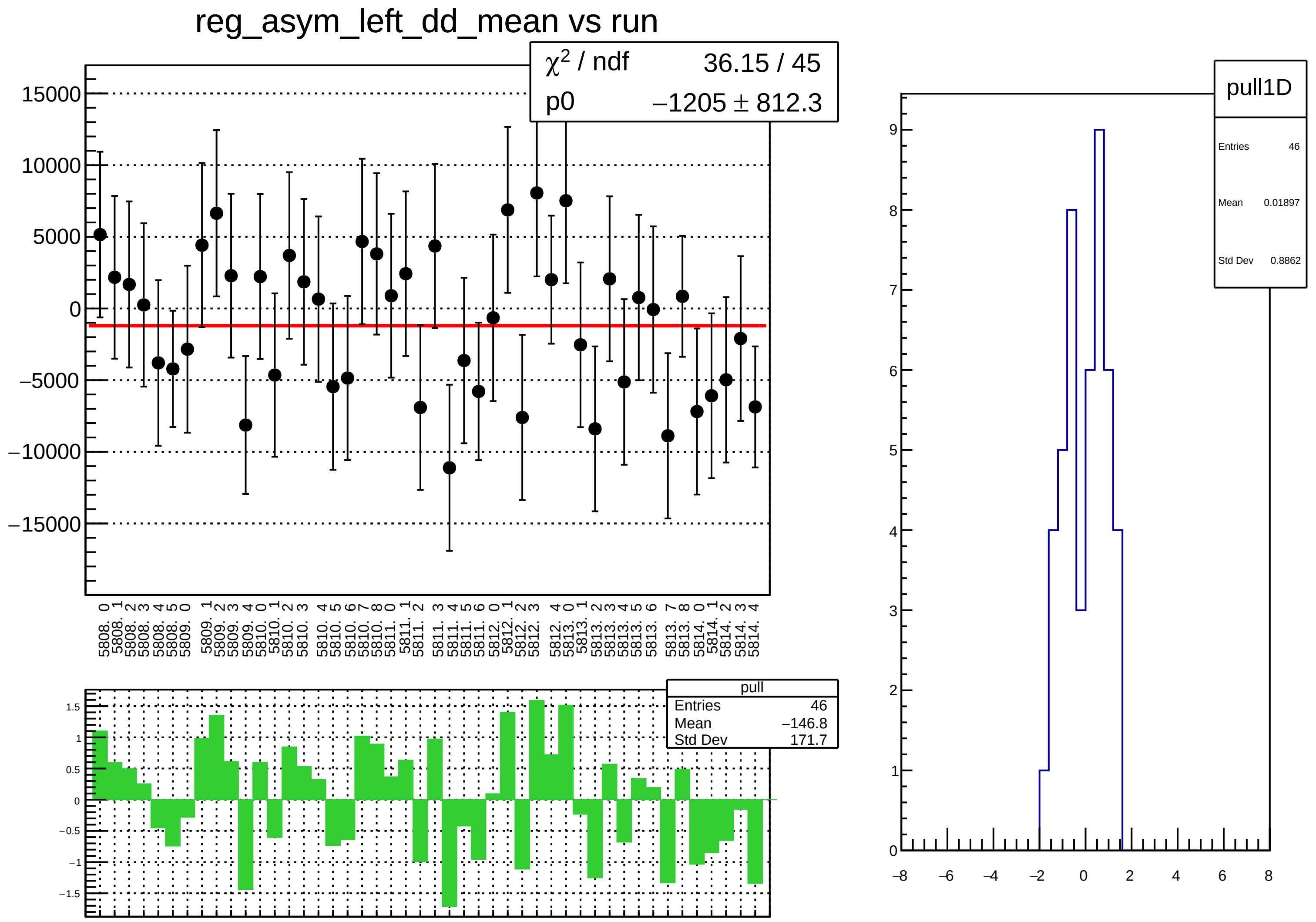
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

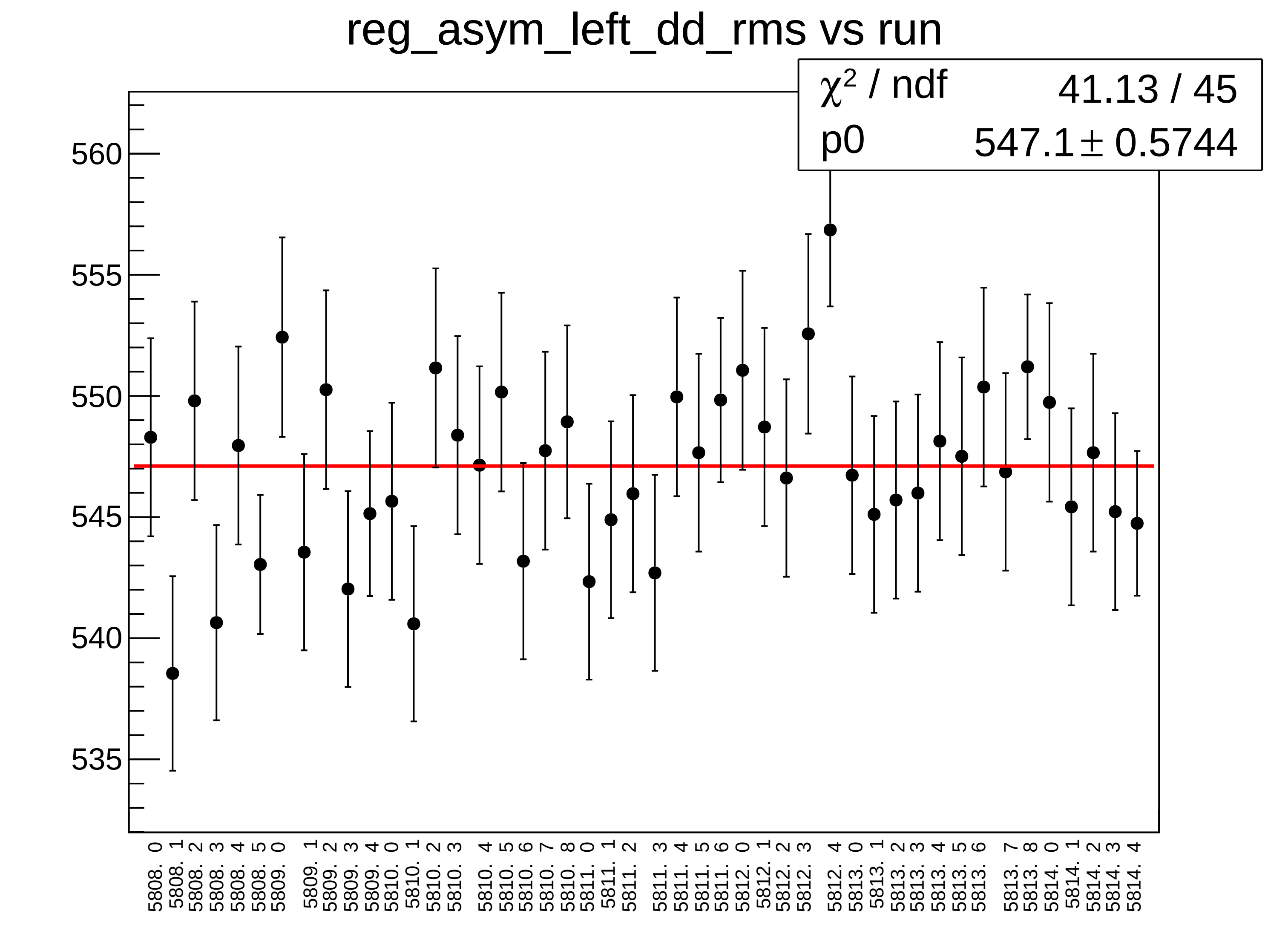

asym_left_avg_mean vs run
χ^2 / ndf 46.72 / 45
p0 −3090 ± 1121
pull
Entries 46
Mean −536.2
Std Dev 558
pull1D
Entries 46
Mean 0.00461
Std Dev 1.008



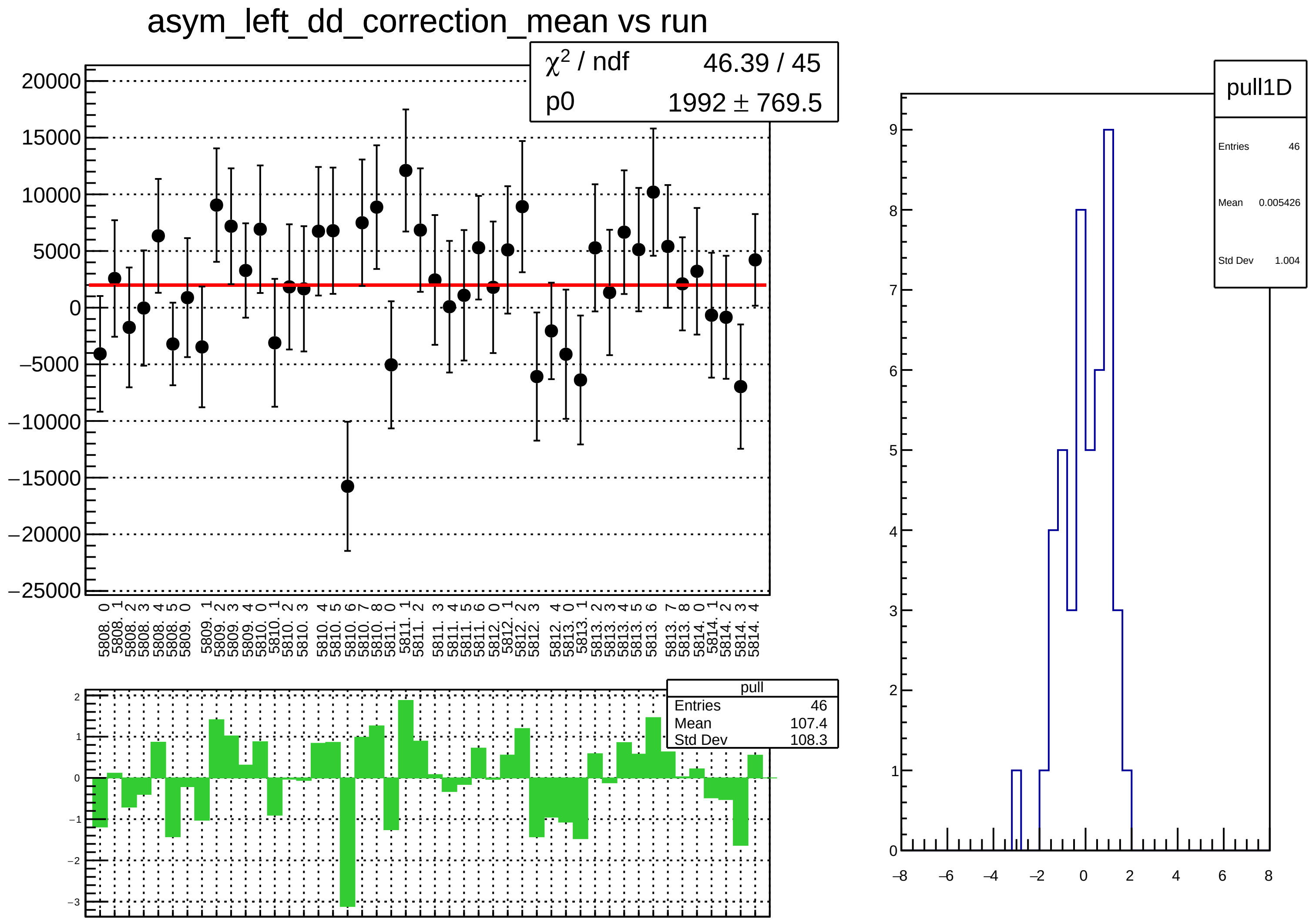
asym_left_avg_rms vs run
χ2 / ndf 406.3 / 45
p0 754.7 ± 0.7924
790
780
770
760
750
740
730
720
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



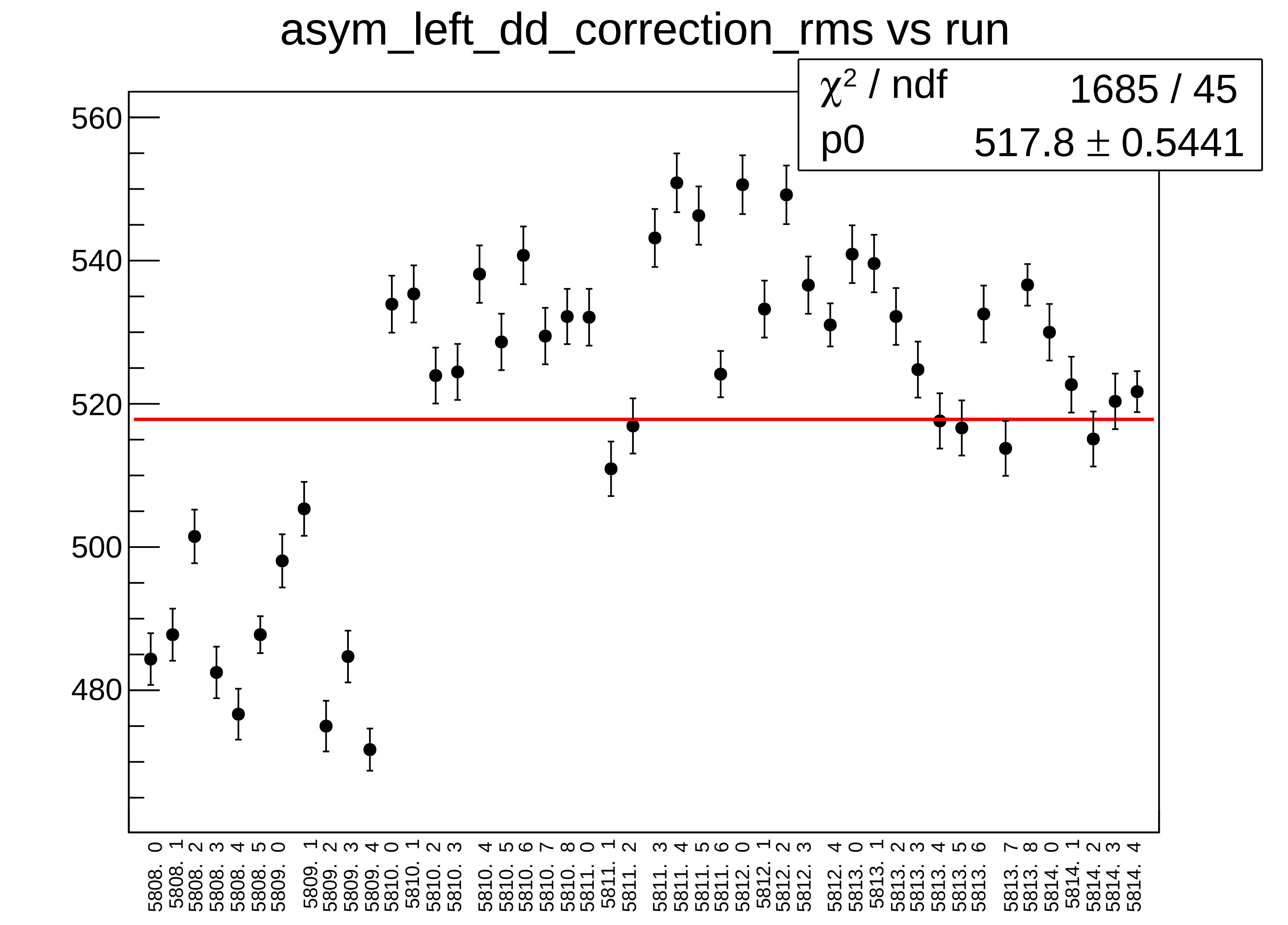
reg_asym_left_dd_mean vs run
χ^2 / ndf 36.15 / 45
p0 −1205 ± 812.3
pull
Entries 46
Mean −146.8
Std Dev 171.7
pull1D
Entries 46
Mean 0.01897
Std Dev 0.8862



reg_asym_left_dd_rms vs run
χ^2 / ndf 41.13 / 45
p0 547.1 ± 0.5744
560
555
550
545
540
535
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

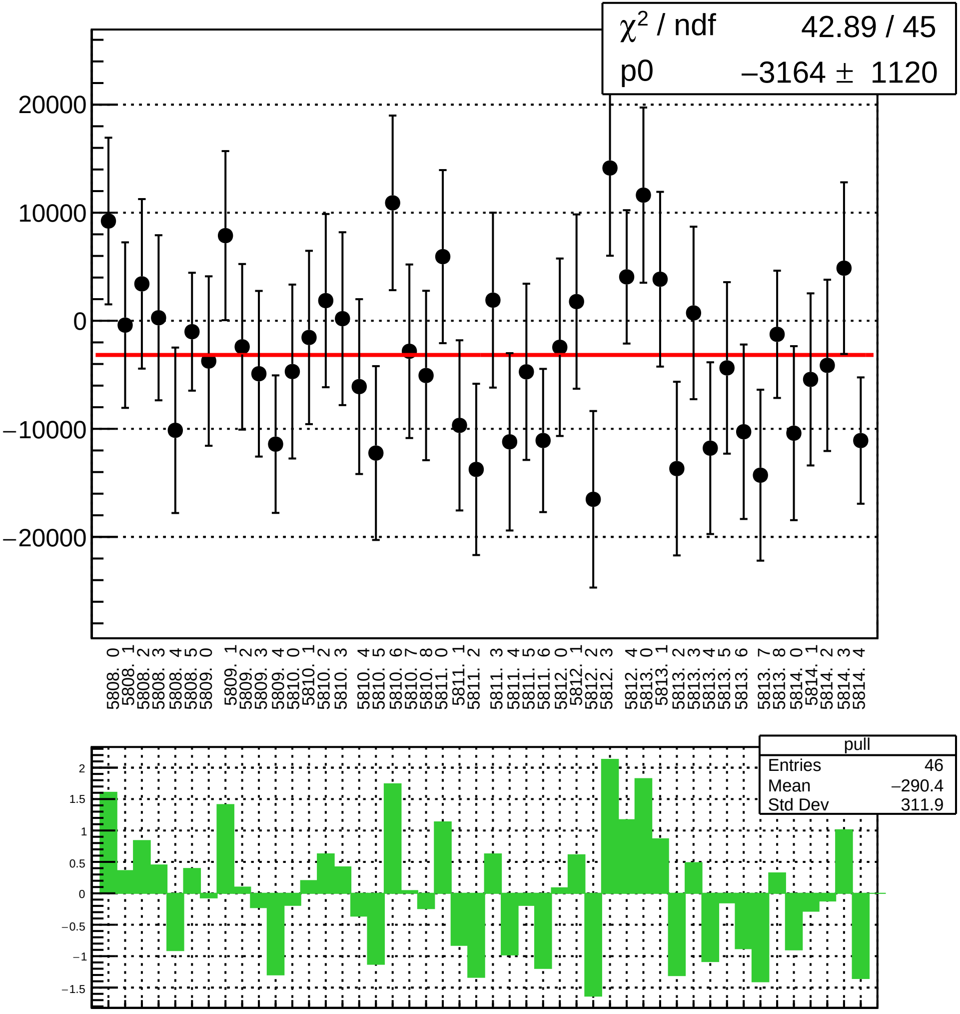


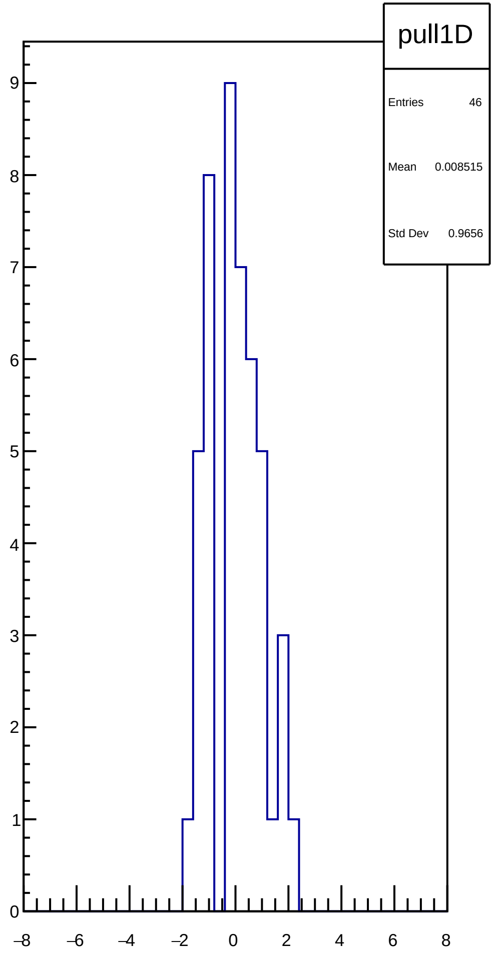
asym_left_dd_correction_mean vs run
χ^2 / ndf 46.39 / 45
p0 1992 ± 769.5
pull
Entries 46
Mean 107.4
Std Dev 108.3
pull1D
Entries 46
Mean 0.005426
Std Dev 1.004

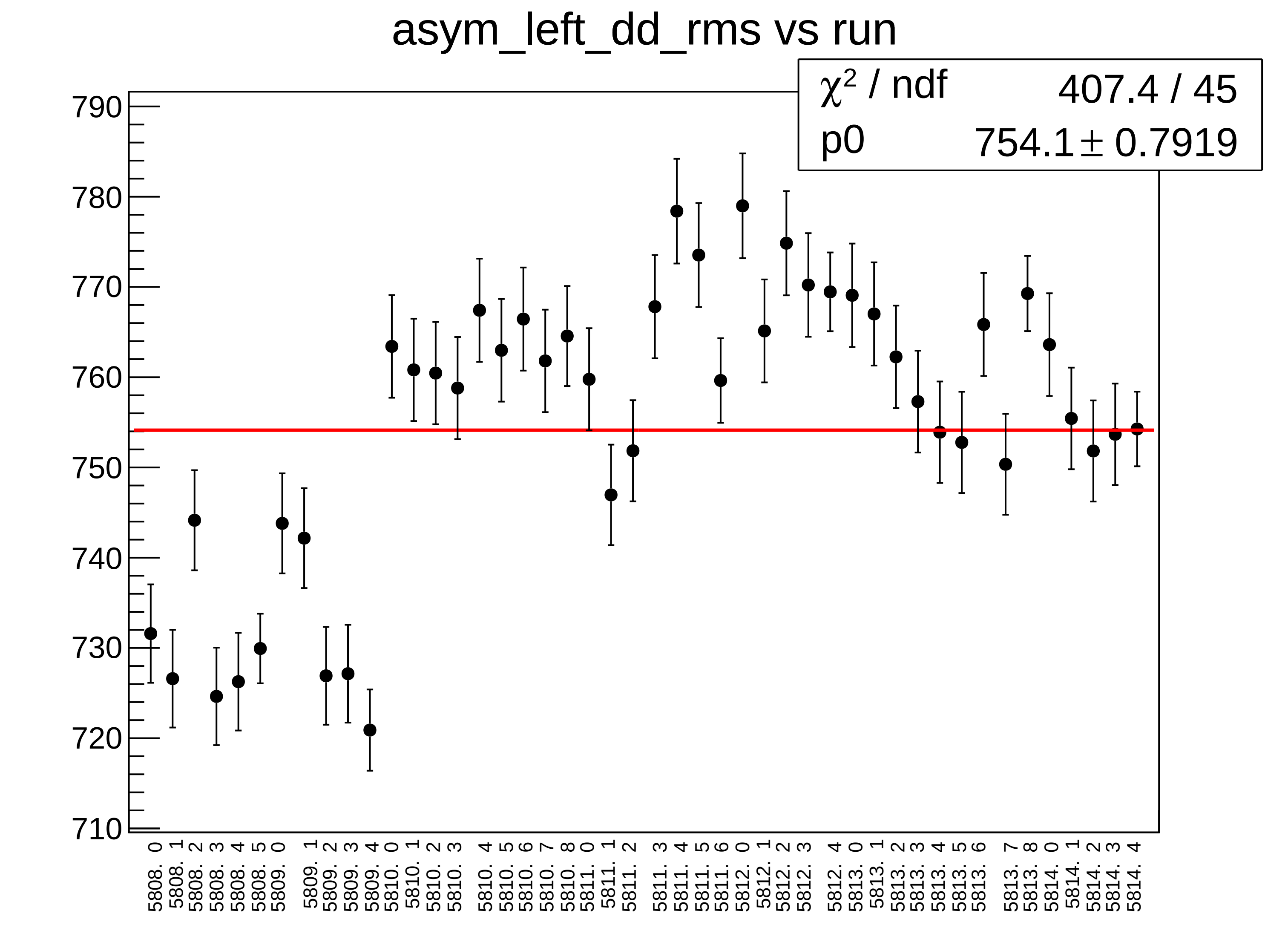


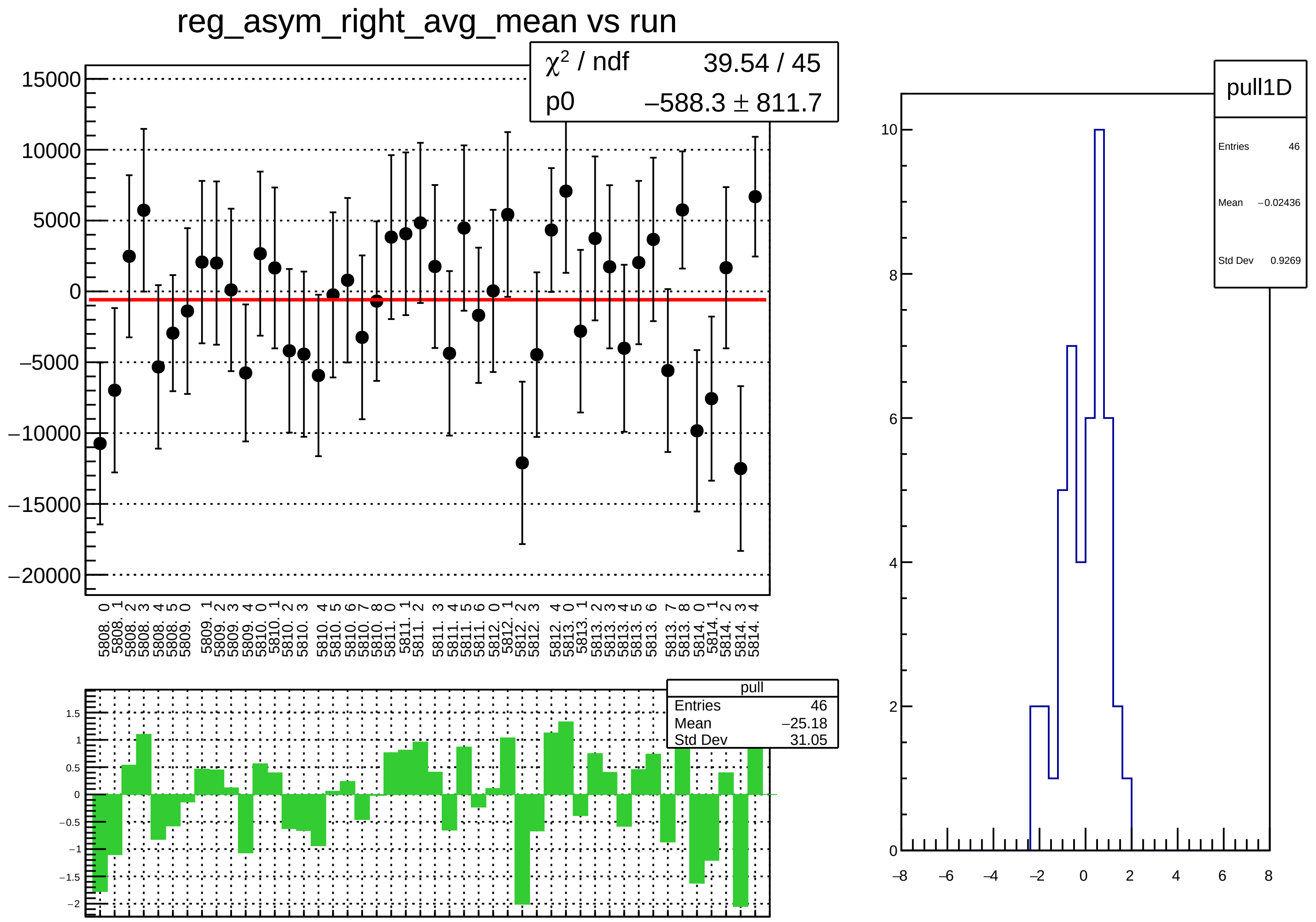
asym_left_dd_correction_rms vs run
χ2 / ndf 1685 / 45
p0 517.8 ± 0.5441
560
540
520
500
480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

asym_left_dd_mean vs run

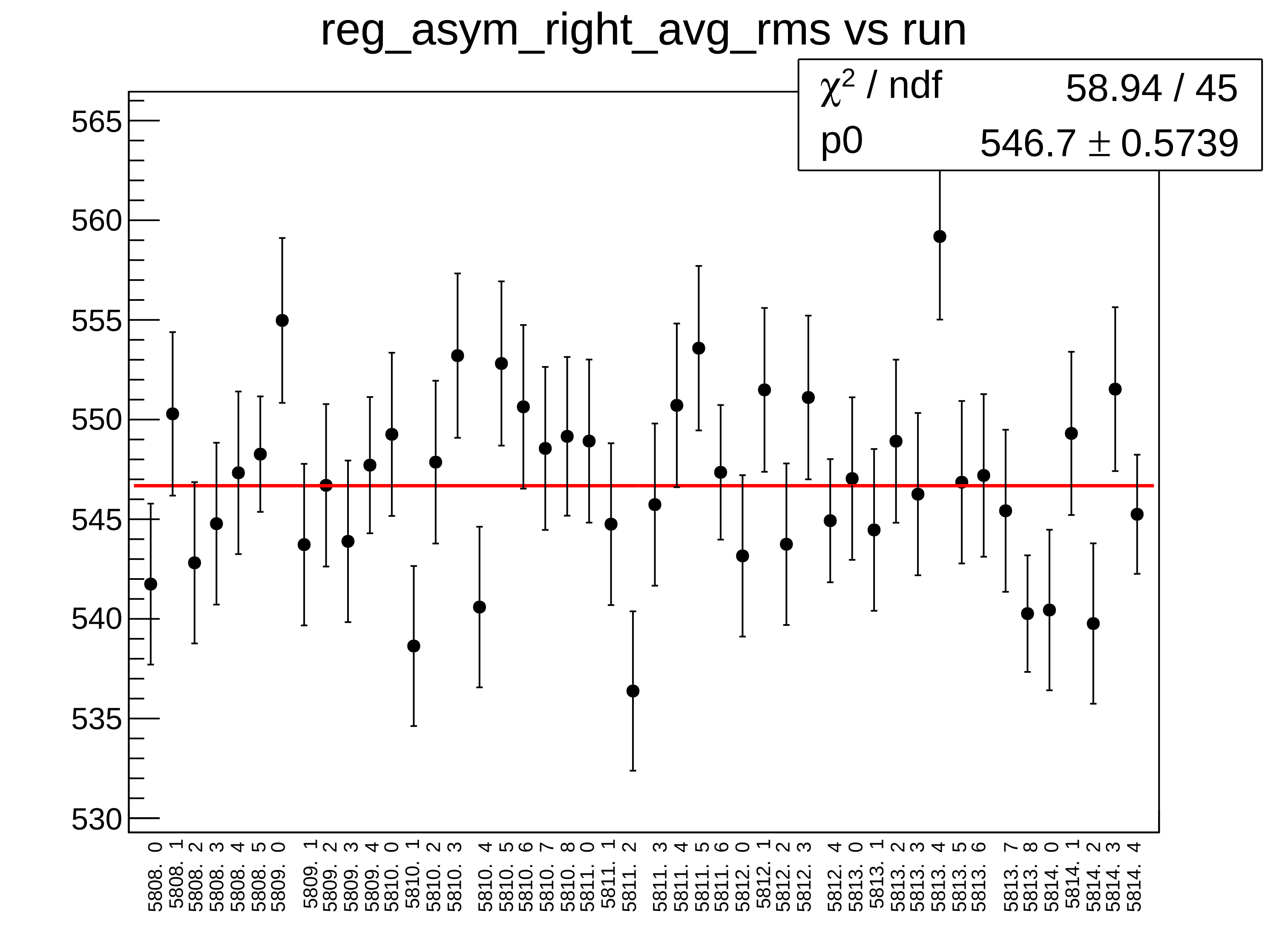


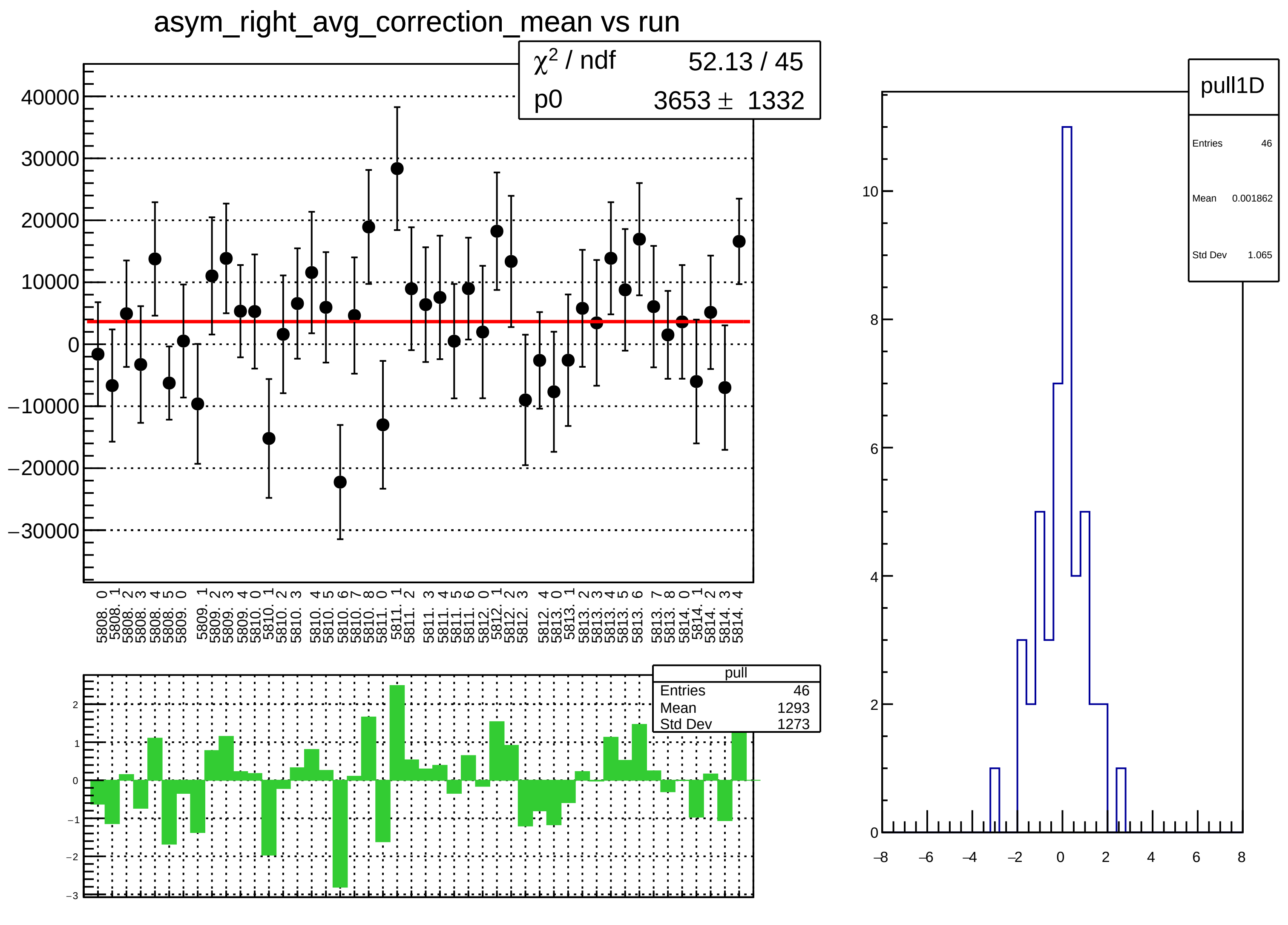



asym_left_dd_rms vs run
χ² / ndf 407.4 / 45
p0 754.1 ± 0.7919
790
780
770
760
750
740
730
720
710
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

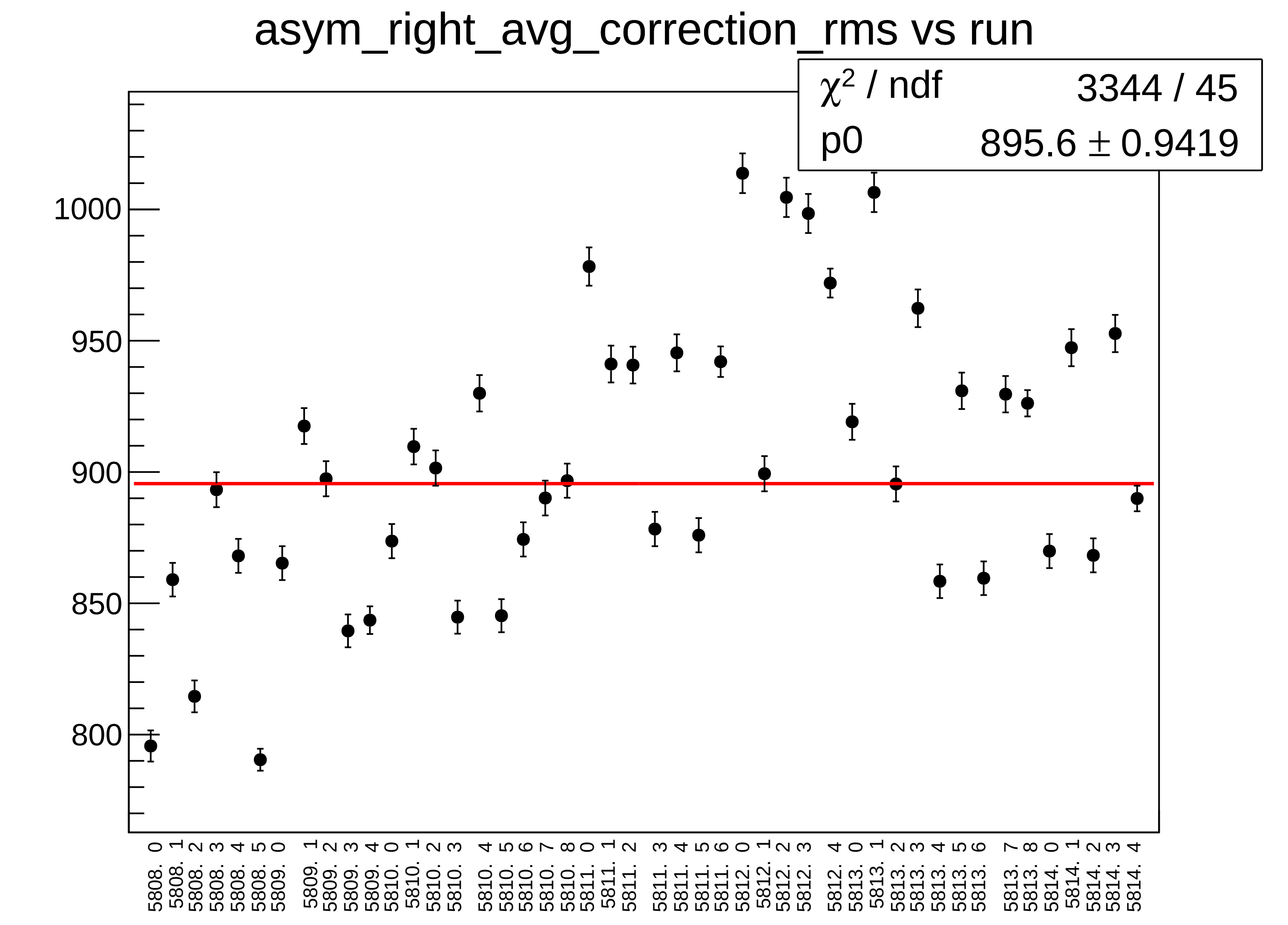


reg_asym_right_avg_mean vs run
χ2 / ndf 39.54 / 45
p0 −588.3 ± 811.7
pull
Entries 46
Mean −25.18
Std Dev 31.05
pull1D
Entries 46
Mean −0.02436
Std Dev 0.9269

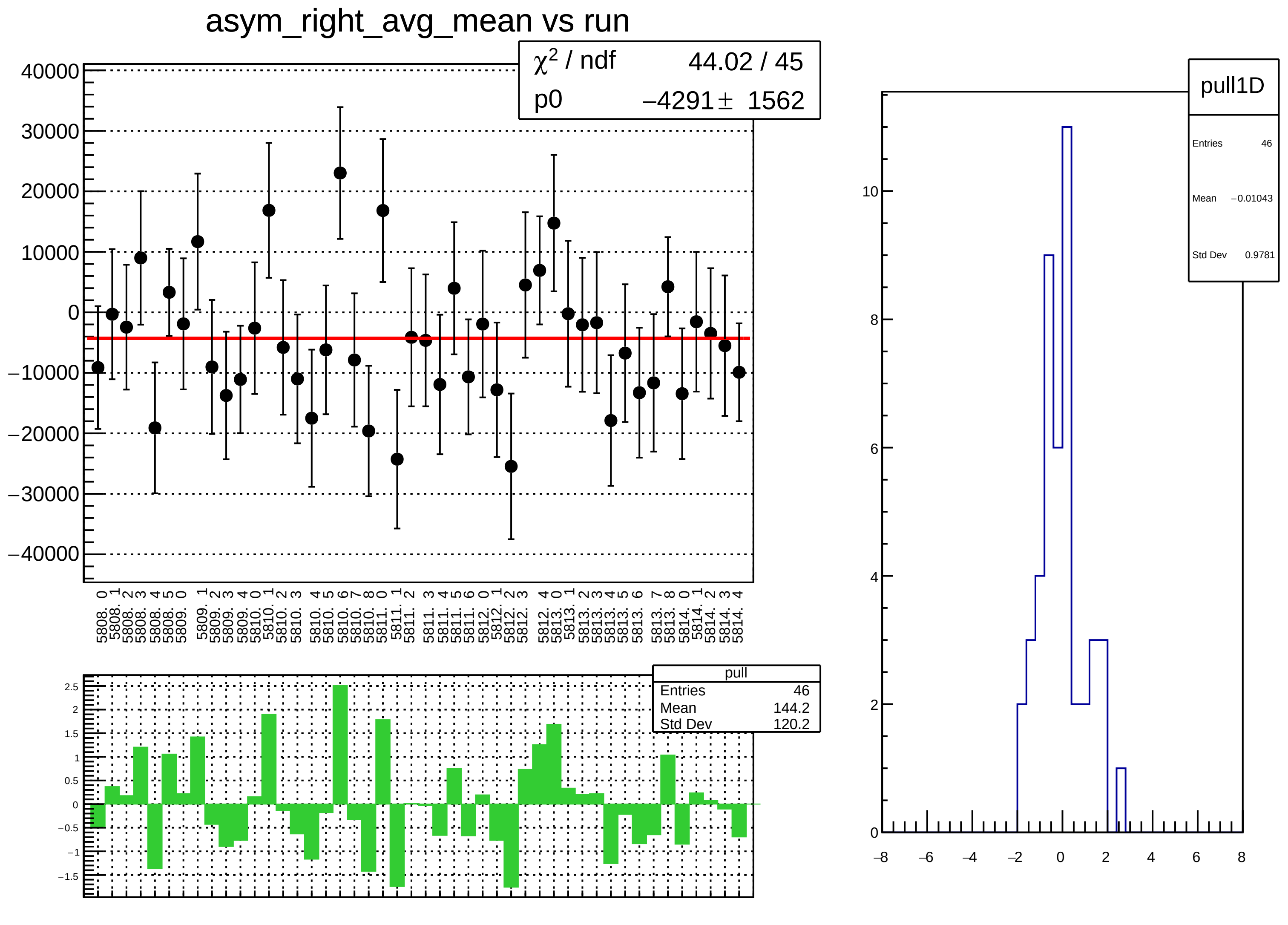

reg_asym_right_avg_rms vs run
χ² / ndf 58.94 / 45
p0 546.7 ± 0.5739
565
560
555
550
545
540
535
530
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



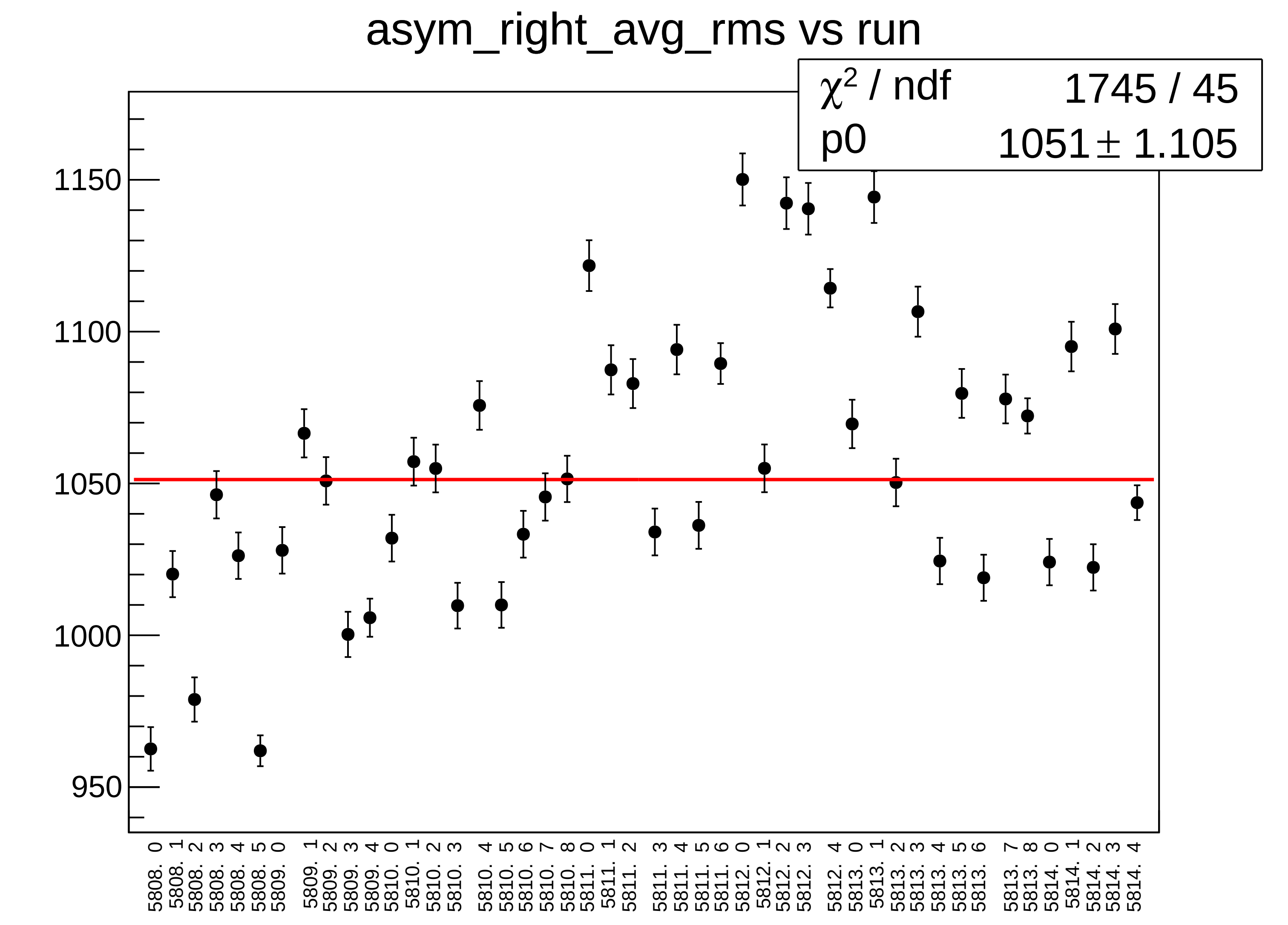
asym_right_avg_correction_mean vs run
χ2 / ndf 52.13 / 45
p0 3653 ± 1332
pull
Entries 46
Mean 1293
Std Dev 1273
pull1D
Entries 46
Mean 0.001862
Std Dev 1.065



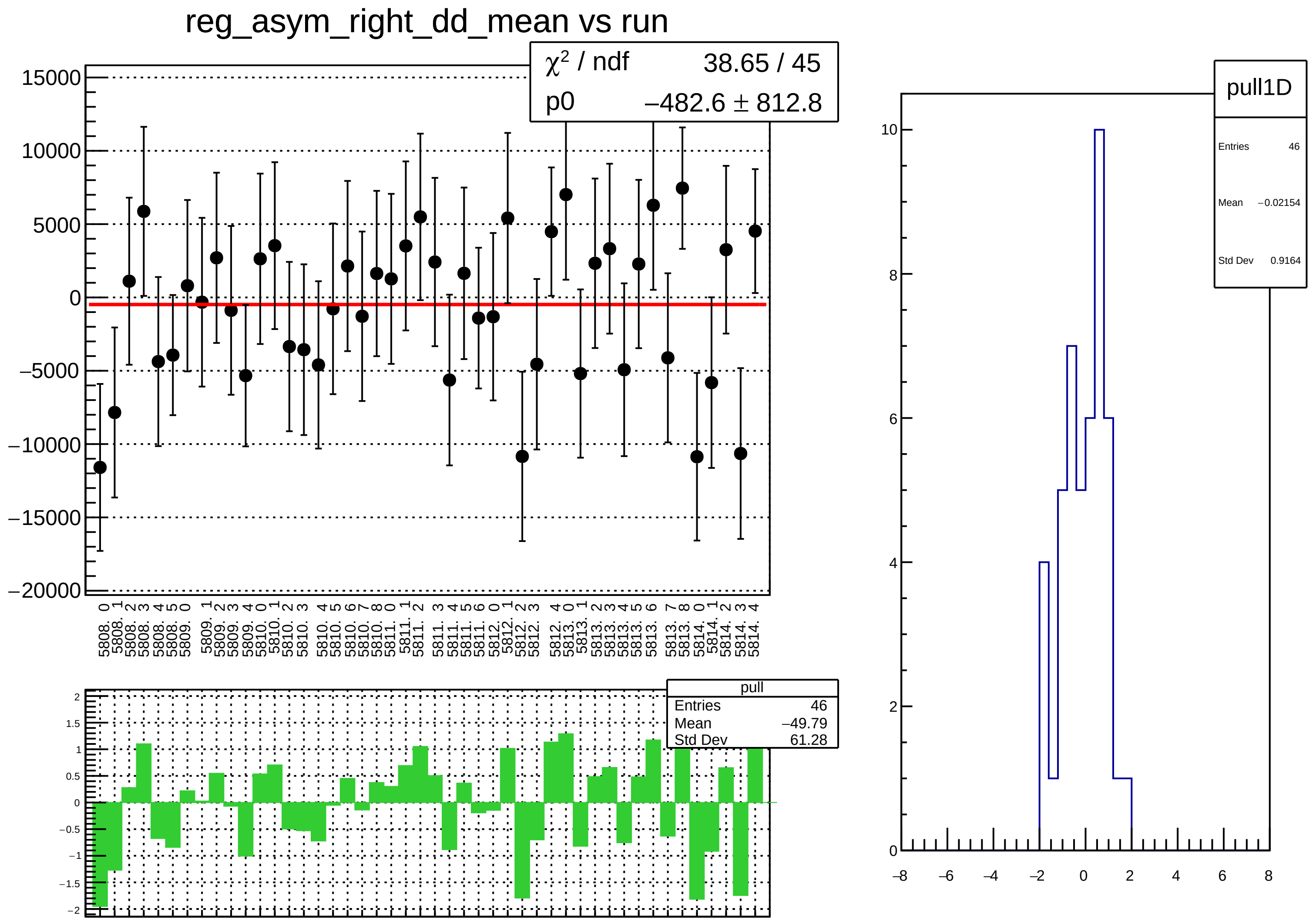
asym_right_avg_correction_rms vs run
χ^2 / ndf 3344 / 45
p0 895.6 ± 0.9419
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

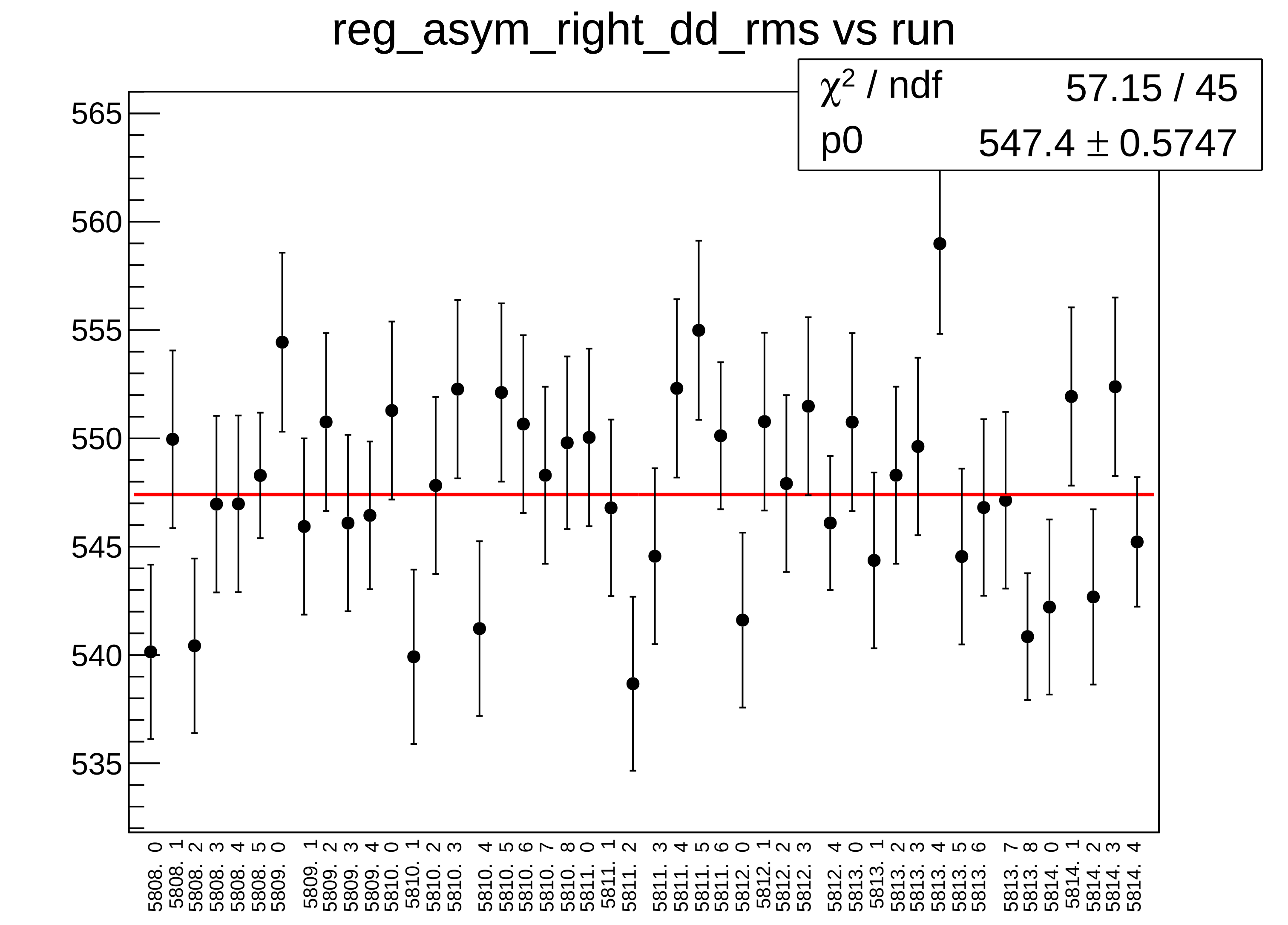


asym_right_avg_mean vs run
χ2 / ndf 44.02 / 45
p0 −4291 ± 1562
pull
Entries 46
Mean 144.2
Std Dev 120.2
pull1D
Entries 46
Mean −0.01043
Std Dev 0.9781

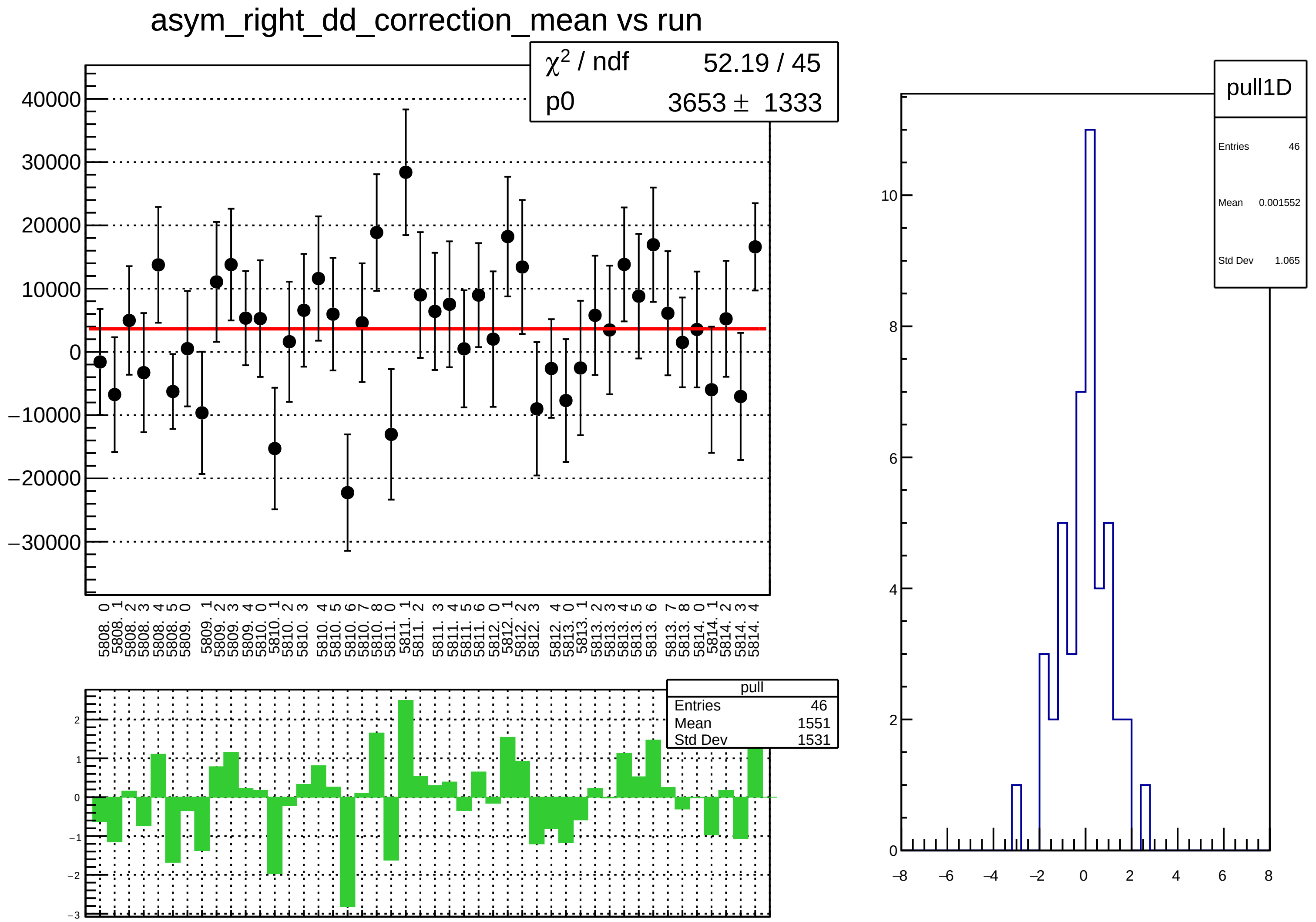


asym_right_avg_rms vs run
χ2 / ndf 1745 / 45
p0 1051 ± 1.105
1150
1100
1050
1000
950

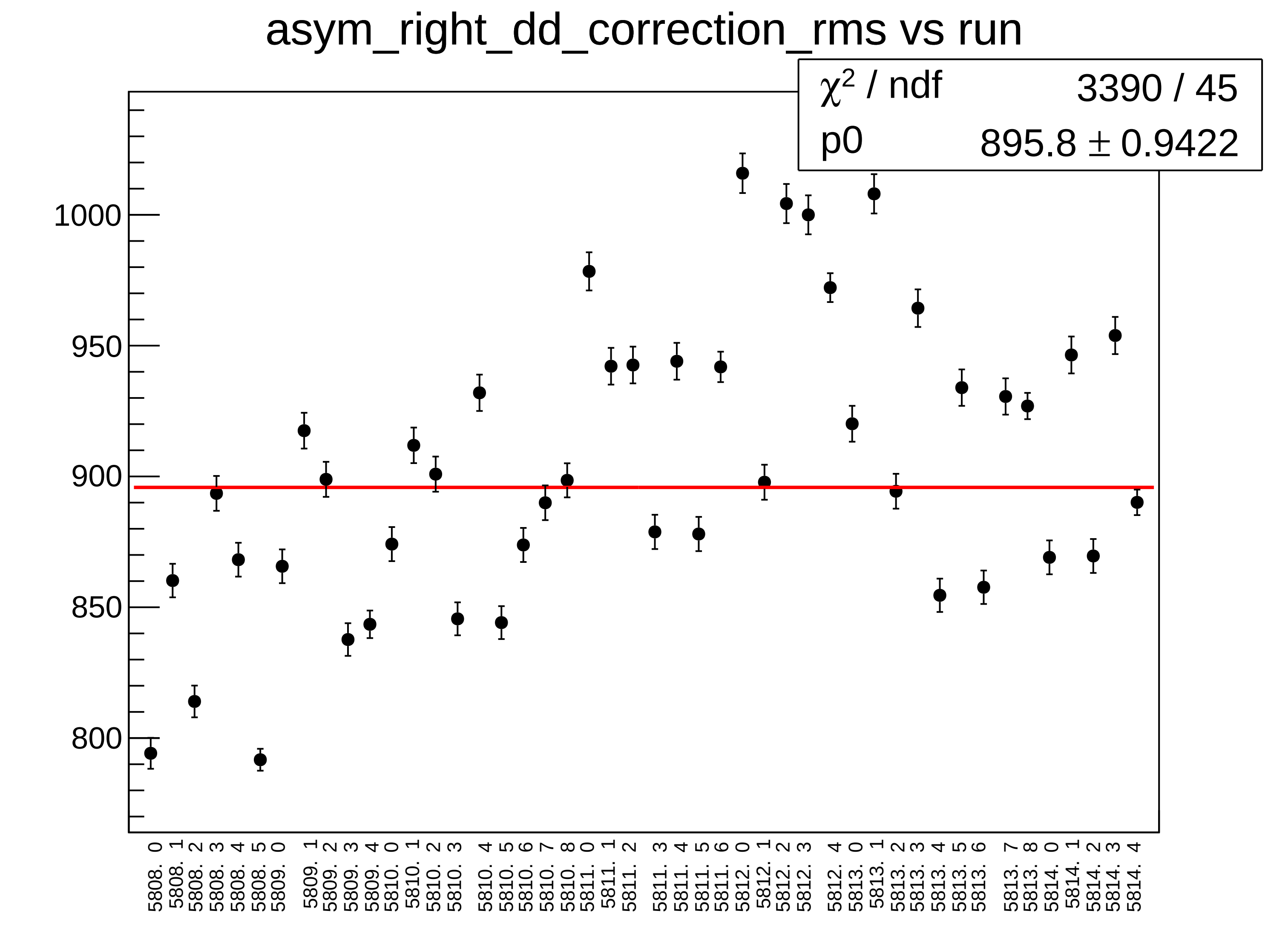

reg_asym_right_dd_mean vs run
χ2 / ndf 38.65 / 45
p0 −482.6 ± 812.8
pull
Entries 46
Mean −49.79
Std Dev 61.28
pull1D
Entries 46
Mean −0.02154
Std Dev 0.9164



reg_asym_right_dd_rms vs run
χ^2 / ndf 57.15 / 45
p0 547.4 ± 0.5747
565
560
555
550
545
540
535



asym_right_dd_correction_mean vs run
χ^2 / ndf 52.19 / 45
p0 3653 ± 1333
pull
Entries 46
Mean 1551
Std Dev 1531
pull1D
Entries 46
Mean 0.001552
Std Dev 1.065



asym_right_dd_correction_rms vs run
χ^2 / ndf 3390 / 45
p0 895.8 ± 0.9422
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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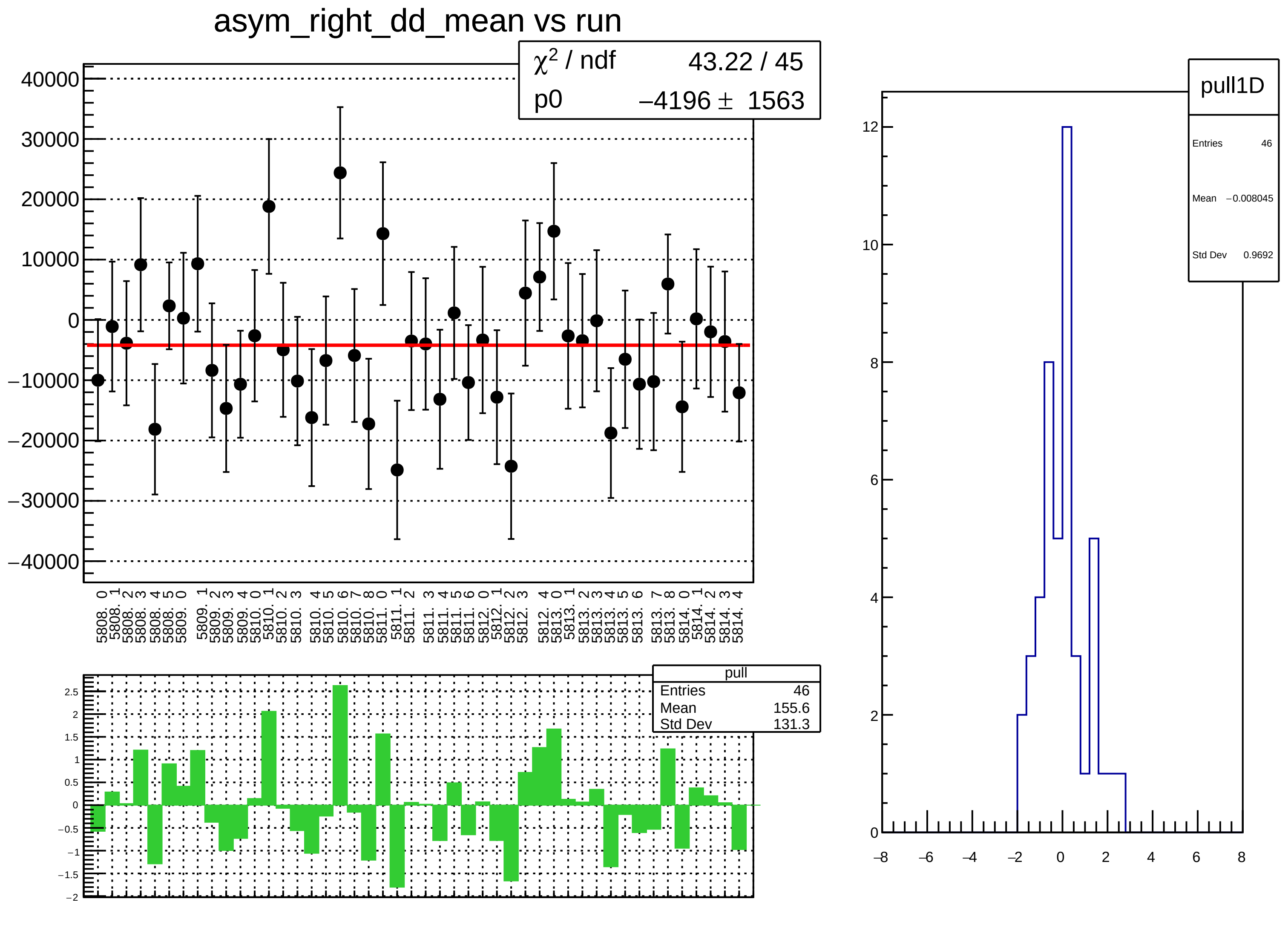
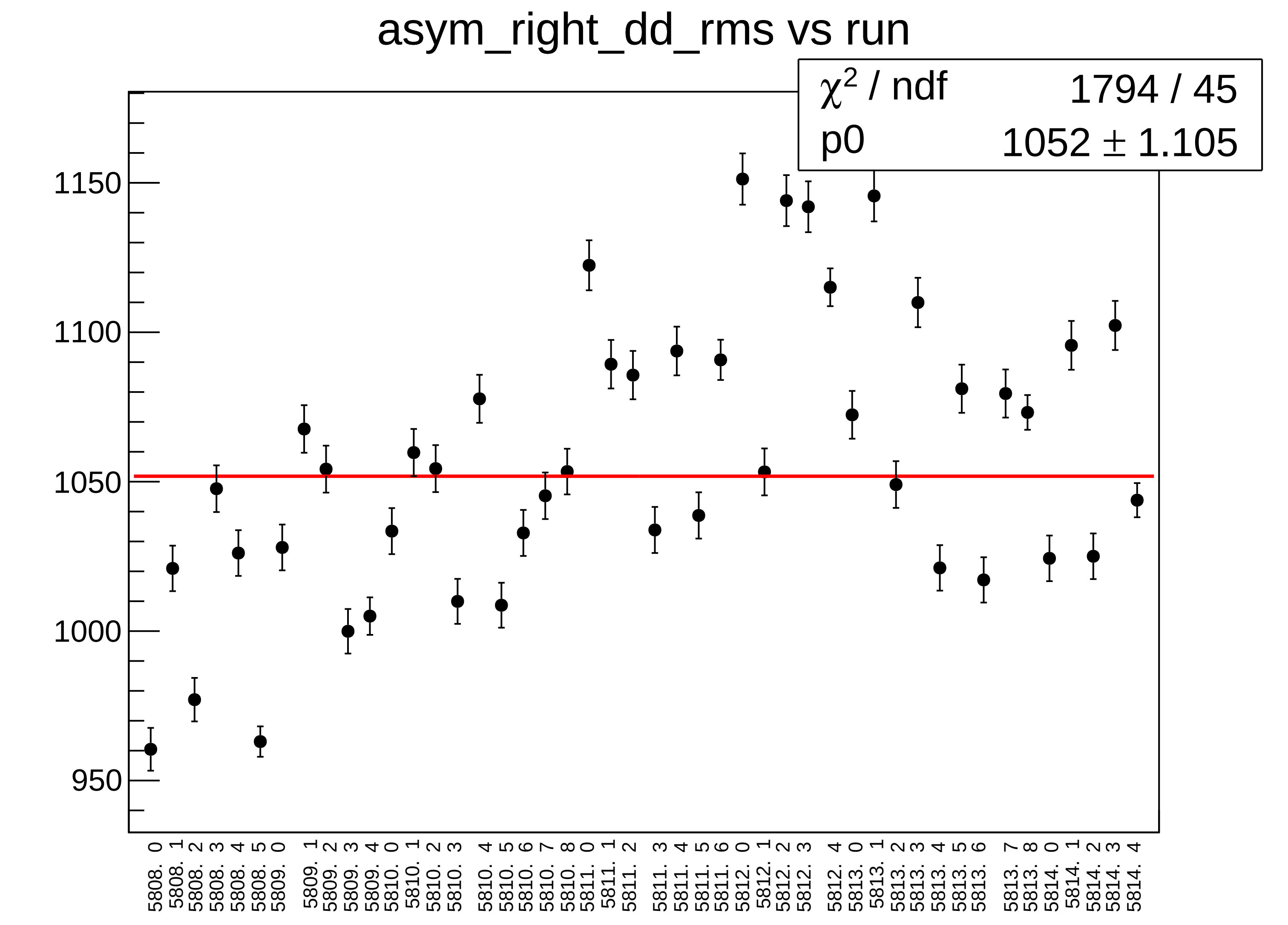
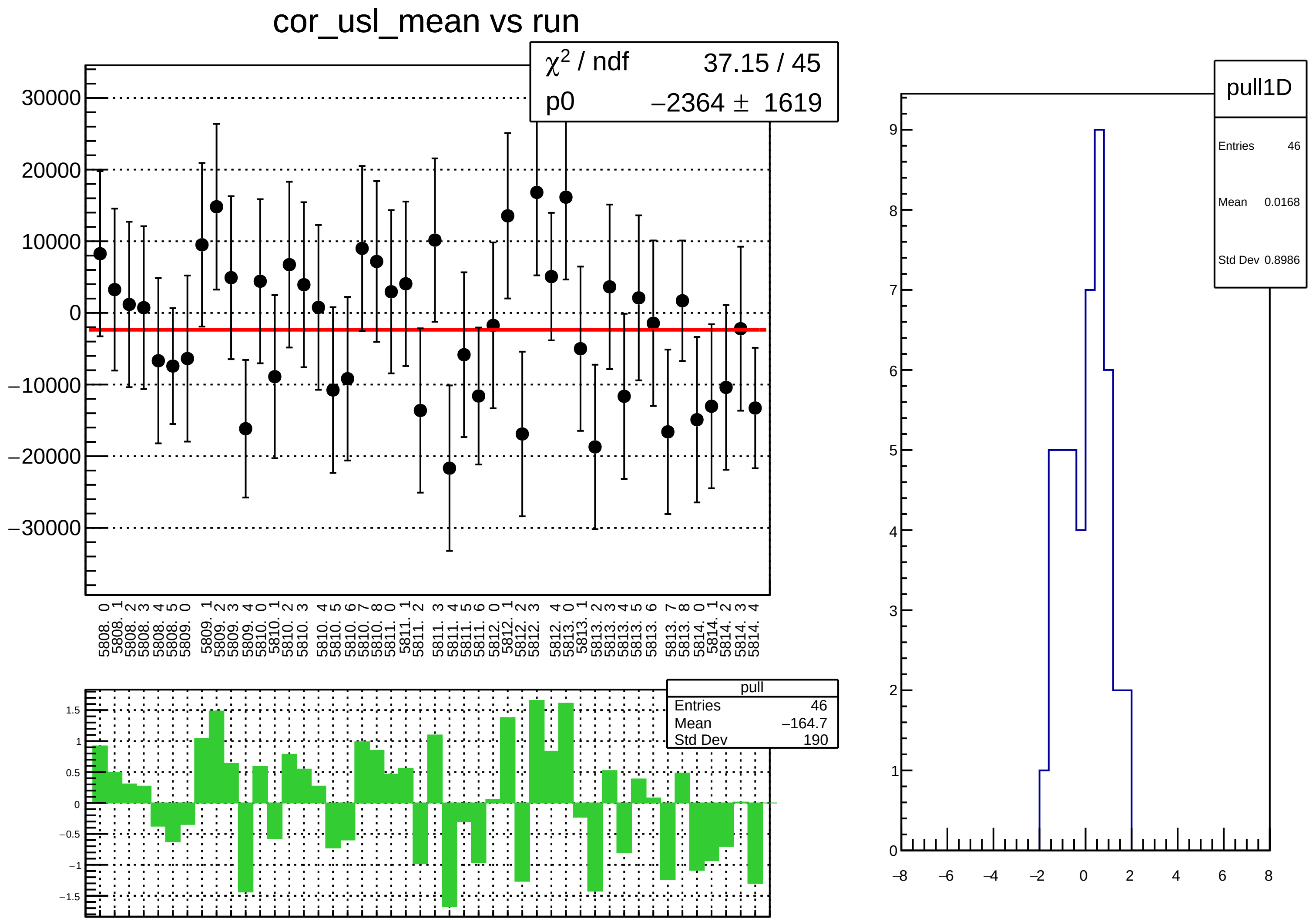
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

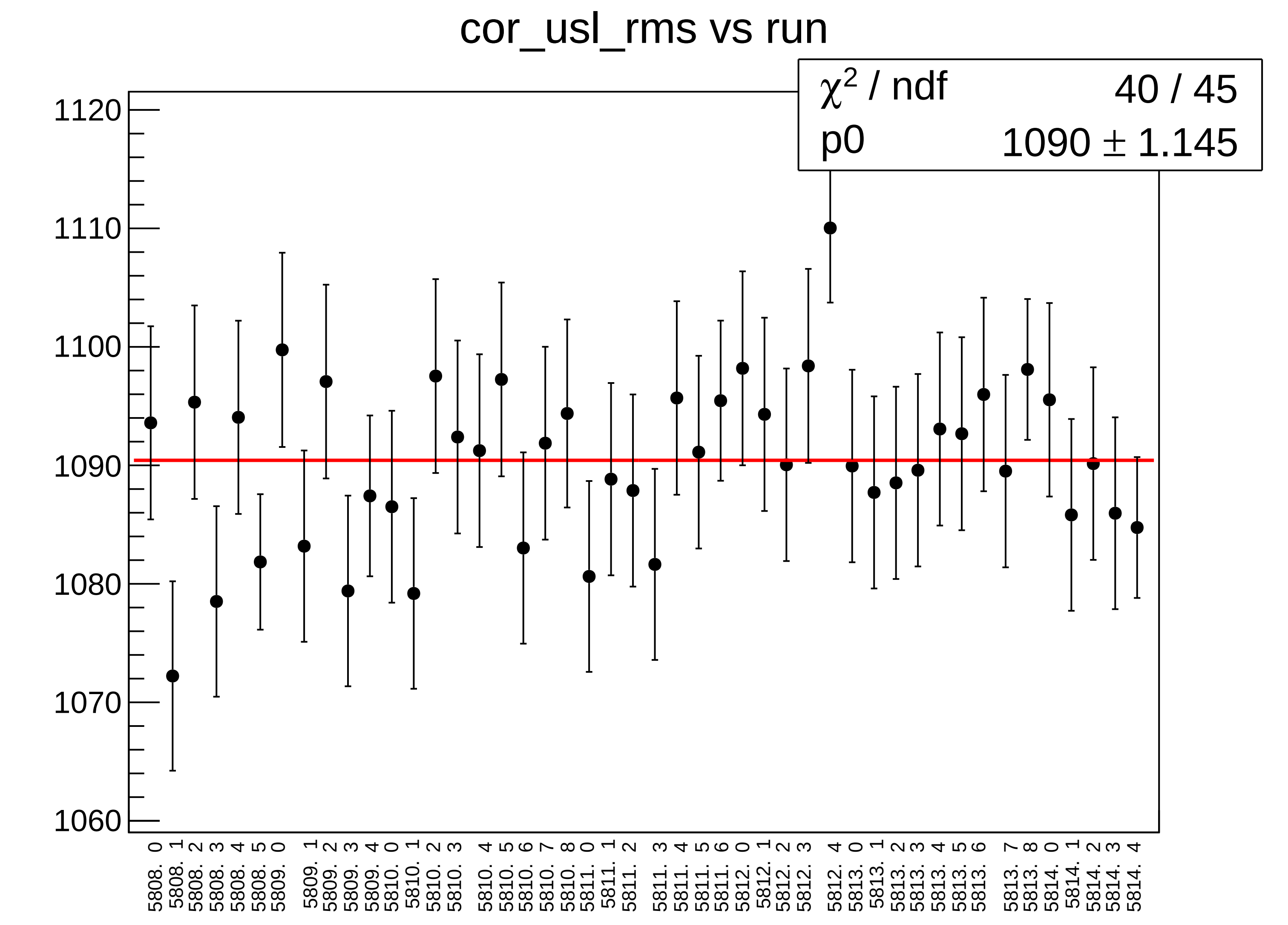


asym_right_dd_mean vs run
χ^2 / ndf 43.22 / 45
p0 −4196 ± 1563
pull
Entries 46
Mean 155.6
Std Dev 131.3
pull1D
Entries 46
Mean −0.008045
Std Dev 0.9692

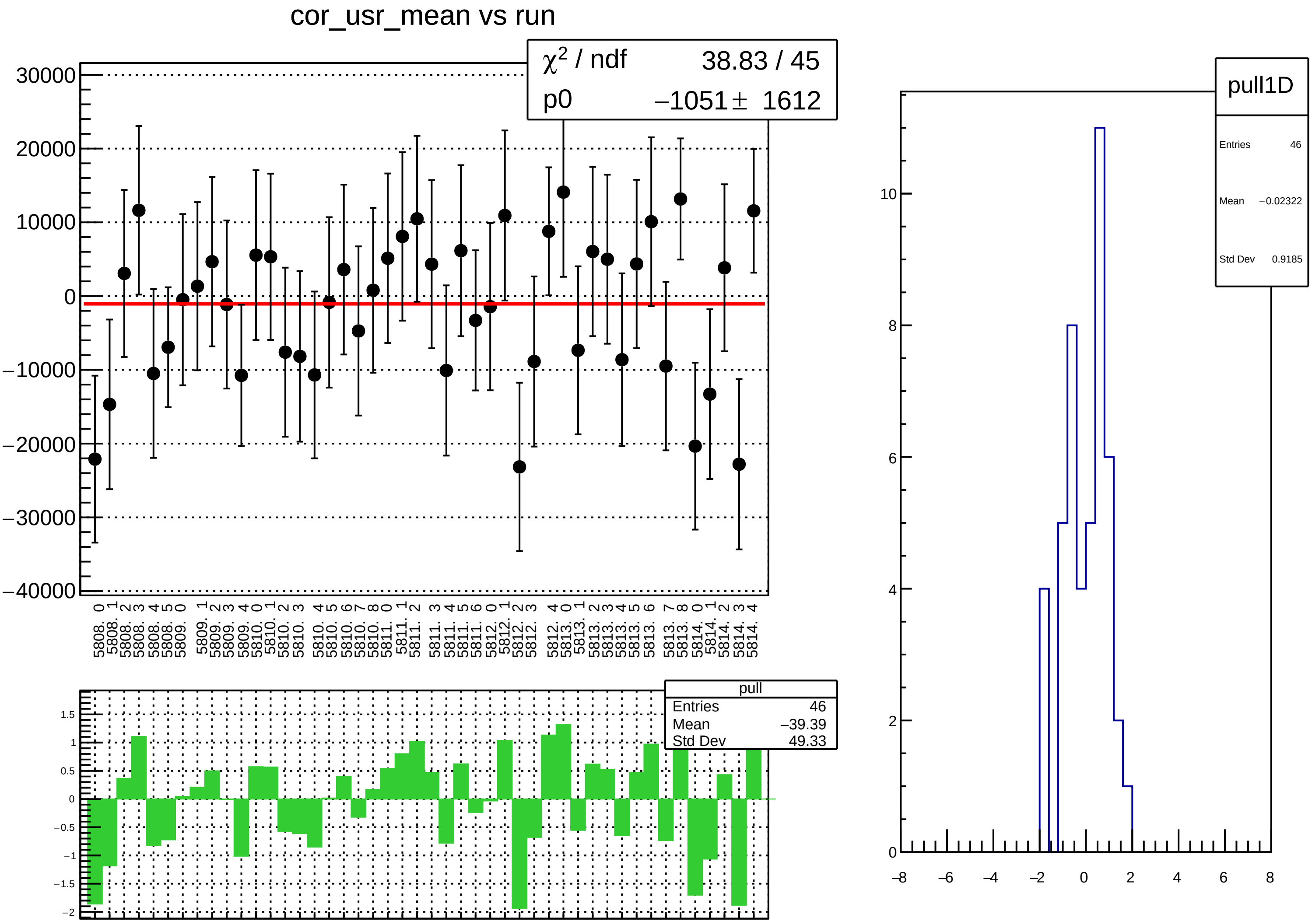

asym_right_dd_rms vs run
χ^2 / ndf 1794 / 45
p0 1052 ± 1.105
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

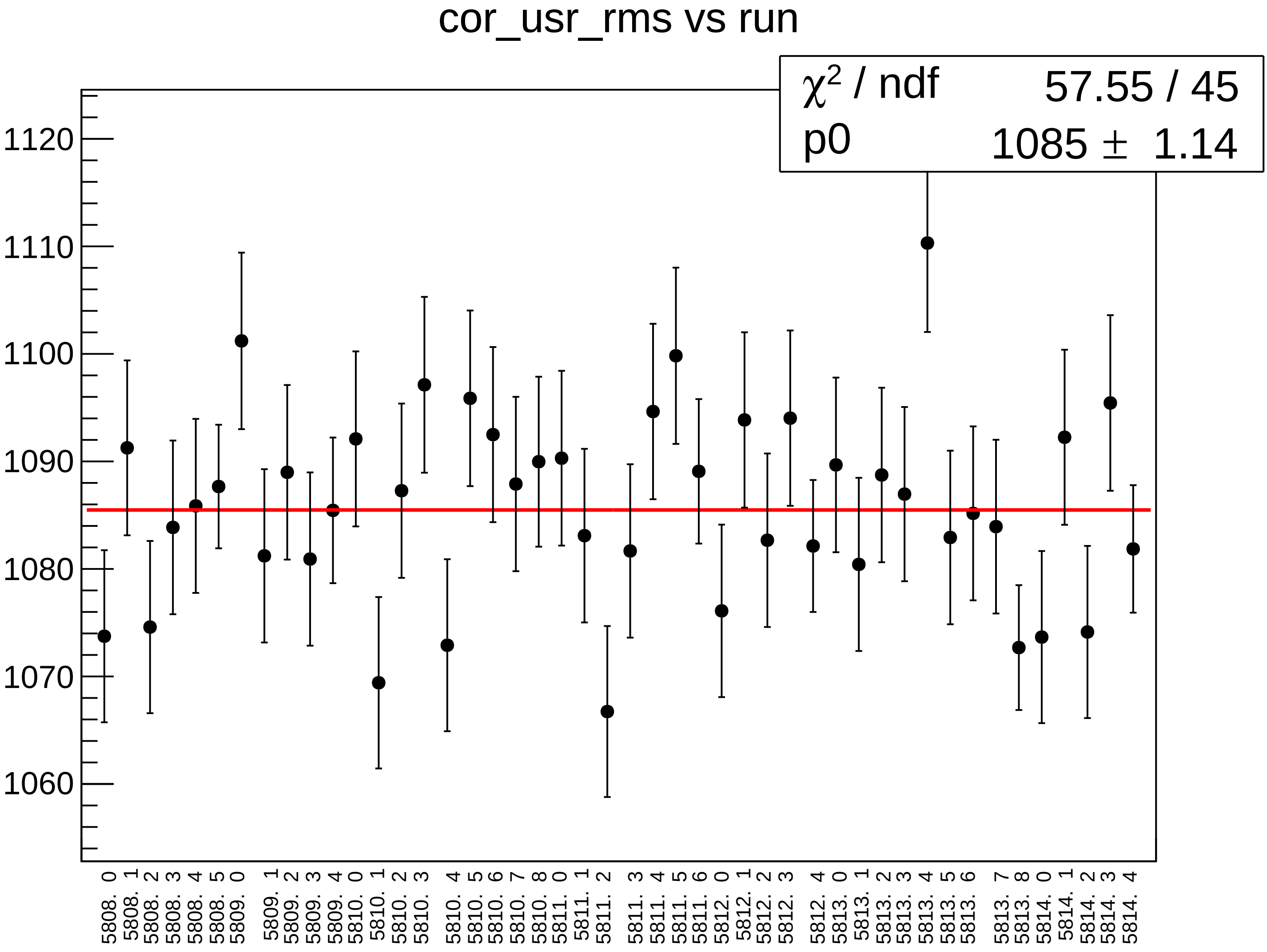


cor_usl_mean vs run
χ^2 / ndf 37.15 / 45
p0 −2364 ± 1619
pull
Entries 46
Mean −164.7
Std Dev 190
pull1D
Entries 46
Mean 0.0168
Std Dev 0.8986

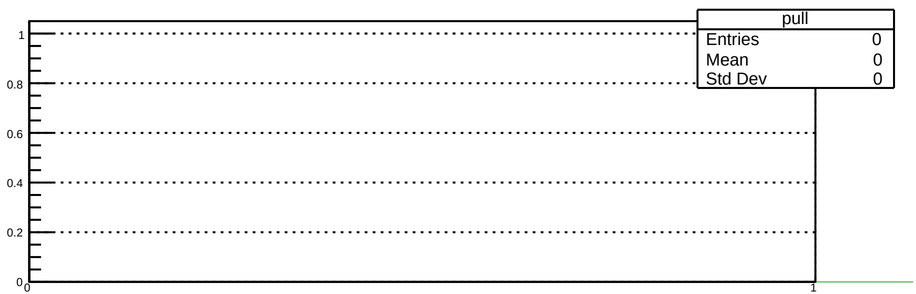


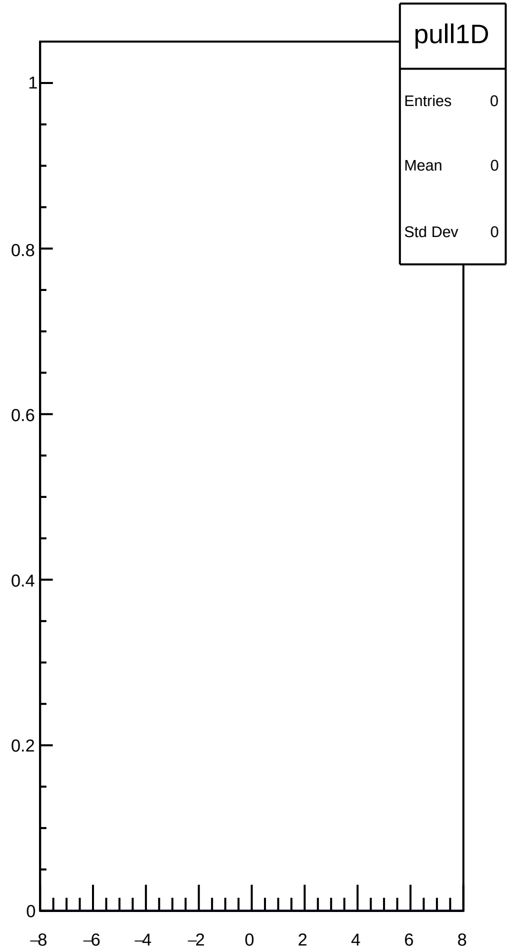
cor_usl_rms vs run
χ2 / ndf 40 / 45
p0 1090 ± 1.145
1120
1110
1100
1090
1080
1070
1060

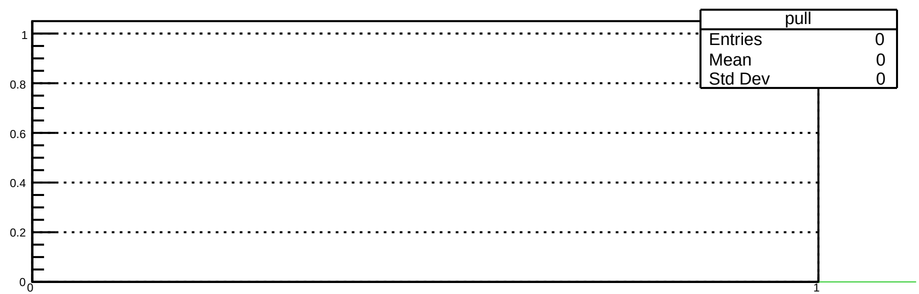

cor_usr_mean vs run
χ^2 / ndf 38.83 / 45
p0 −1051 ± 1612
pull
Entries 46
Mean −39.39
Std Dev 49.33
pull1D
Entries 46
Mean −0.02322
Std Dev 0.9185



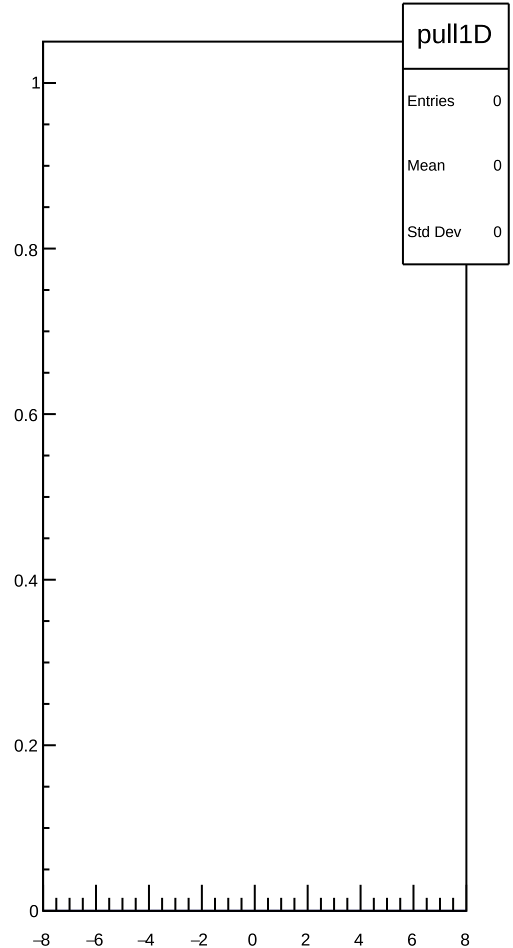
cor_usr_rms vs run
χ^2 / ndf 57.55 / 45
p0 1085 ± 1.14
1120
1110
1100
1090
1080
1070
1060


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

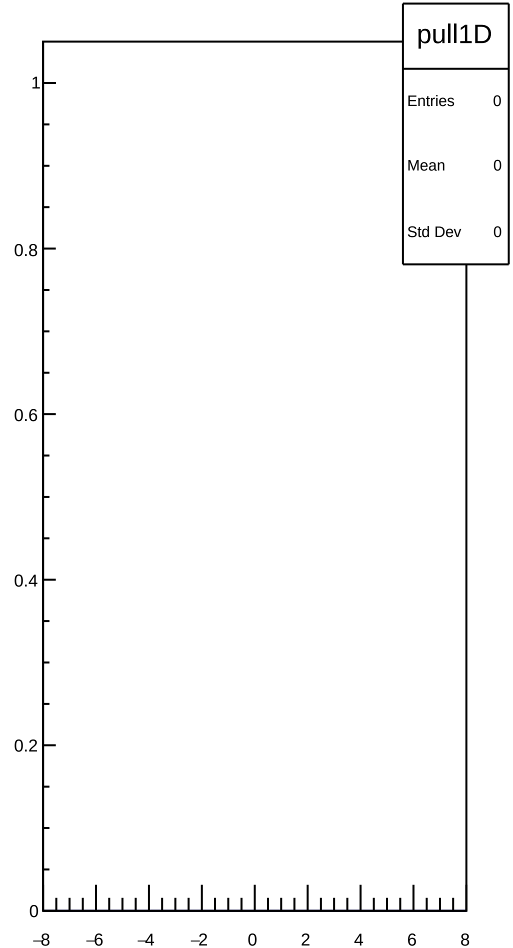

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8 –6 –4 –2 0 2 4 6 8

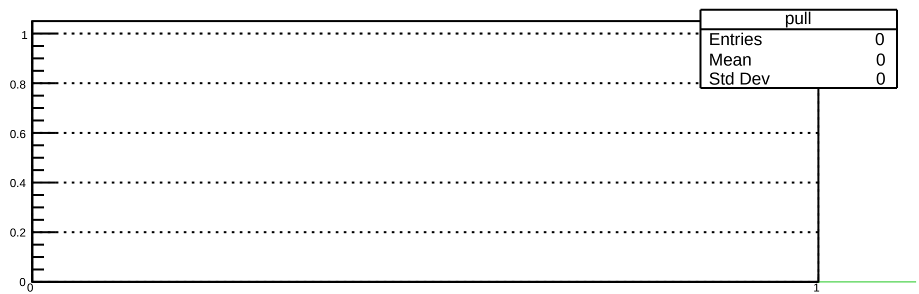


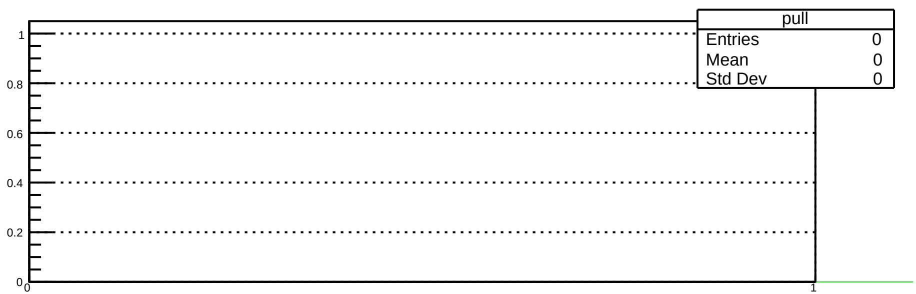
pull
Entries 0
Mean 0
Std Dev 0

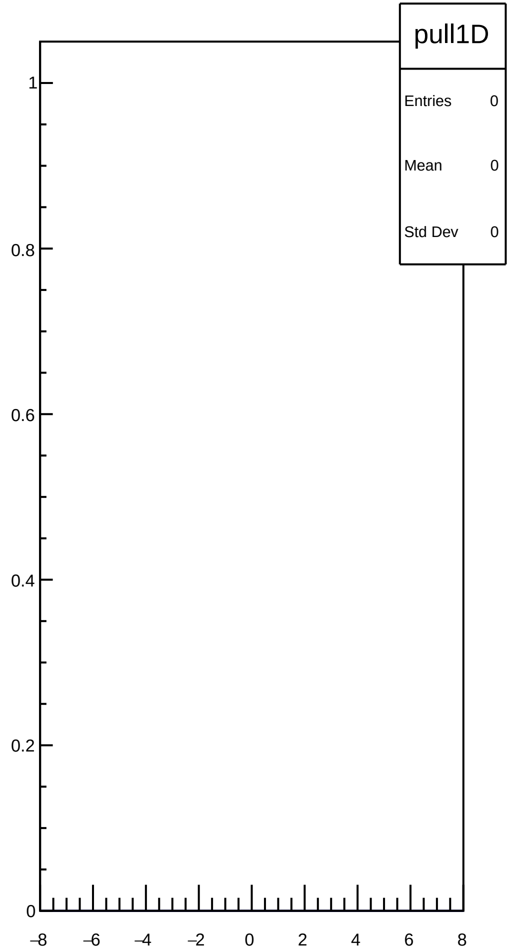


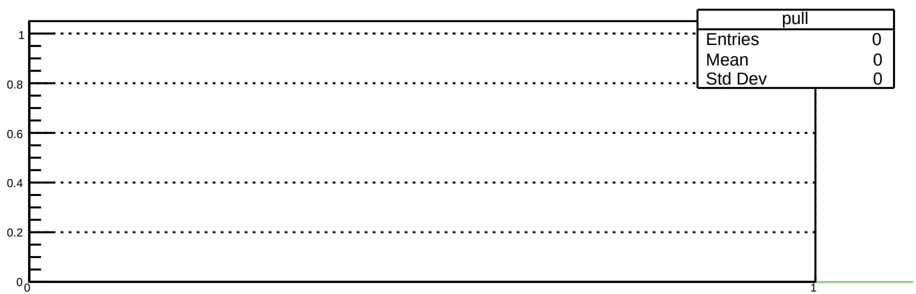
pull1D
Entries 0
Mean 0
Std Dev 0

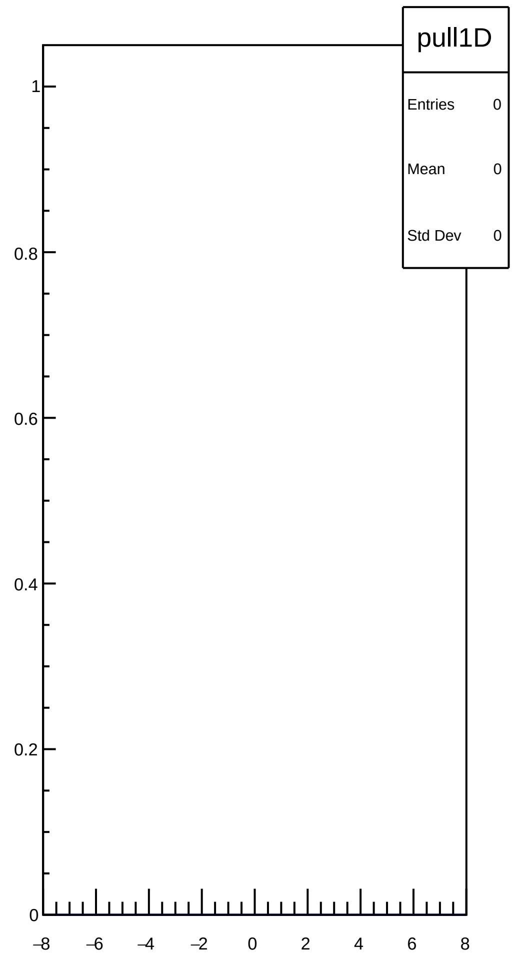

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

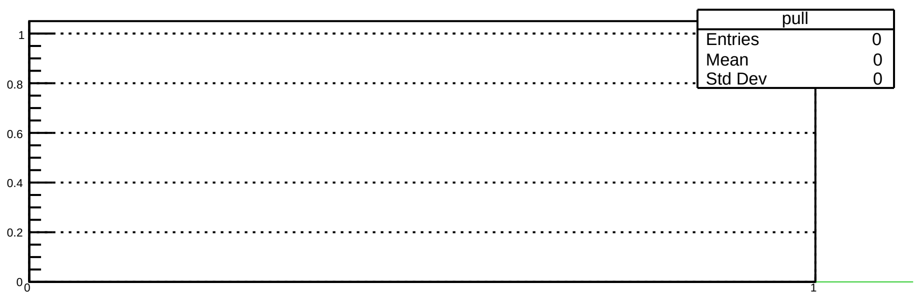

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

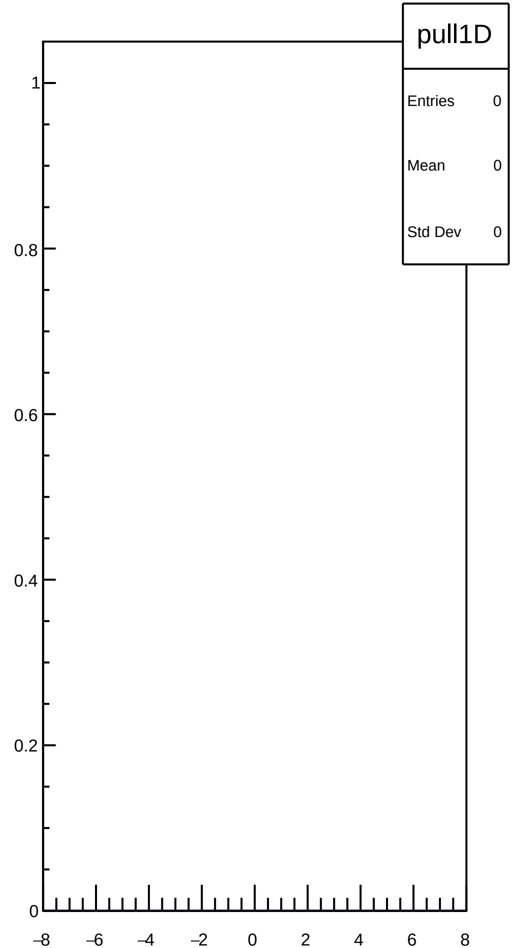

pull
Entries 0
Mean 0
Std Dev 0

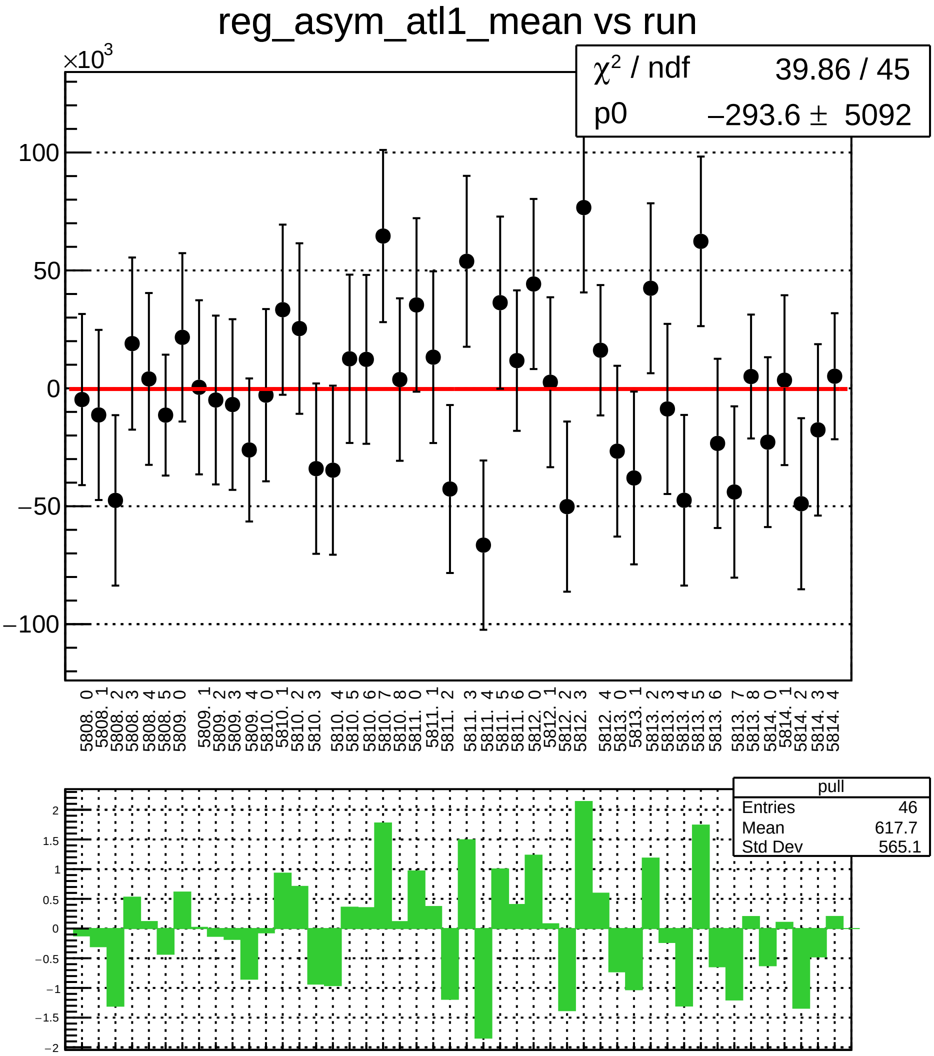

pull1D
Entries 0
Mean 0
Std Dev 0

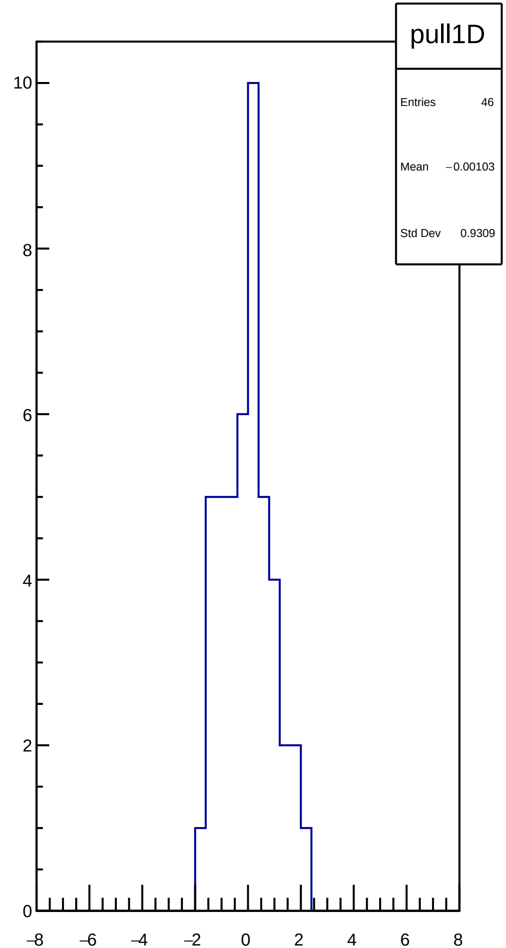

pull
Entries 0
Mean 0
Std Dev 0

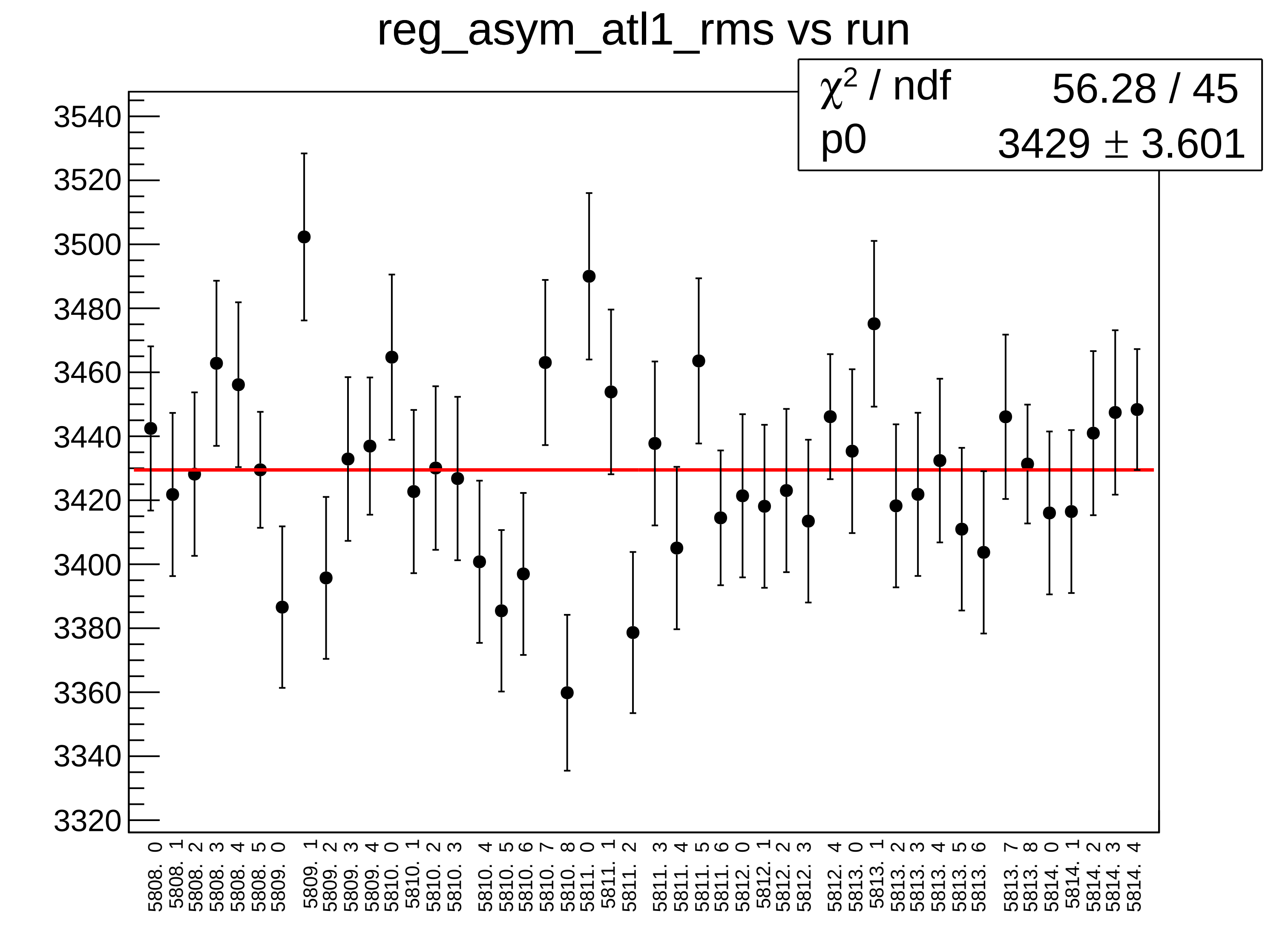

pull1D
Entries 0
Mean 0
Std Dev 0

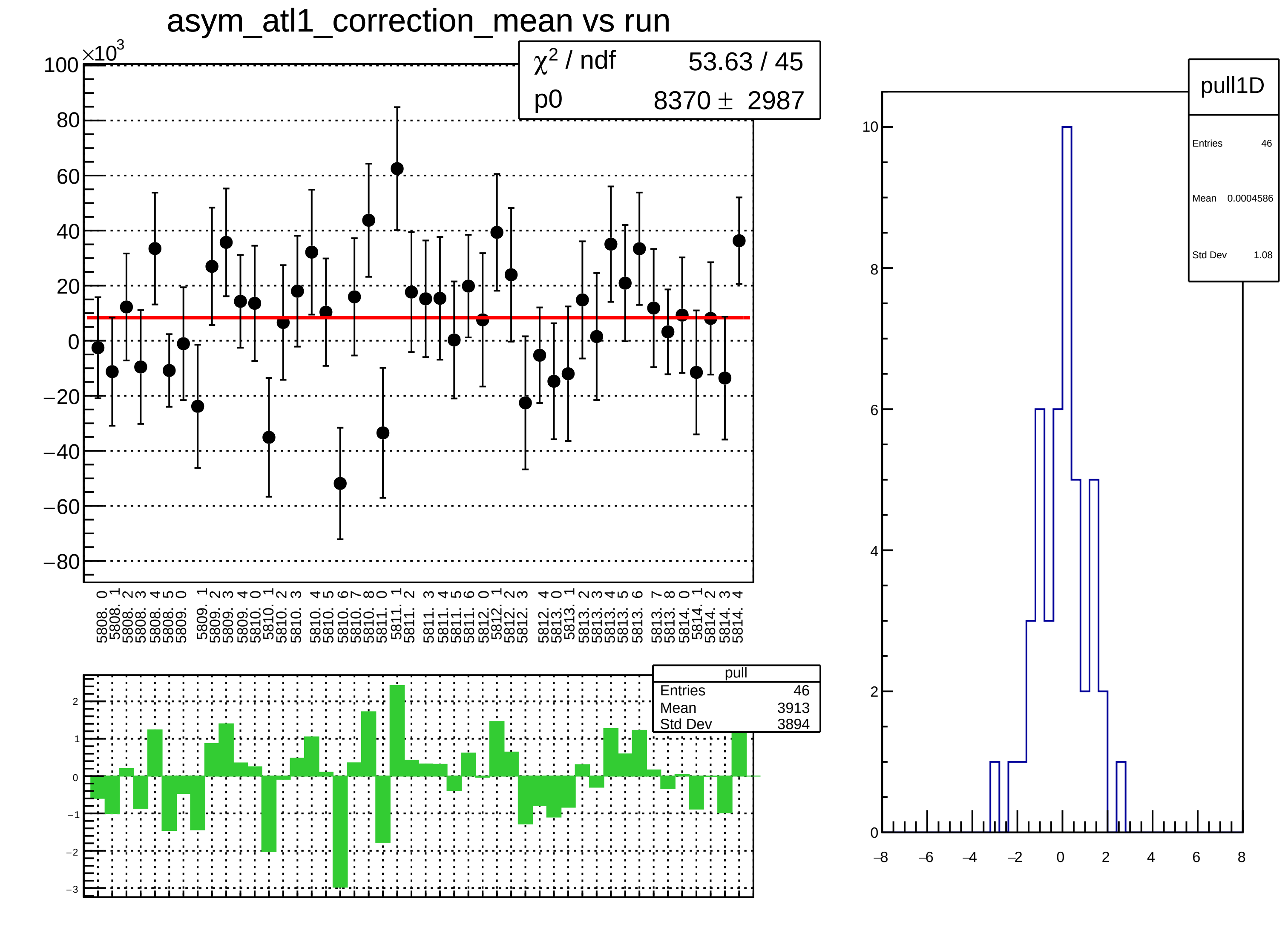

pull
Entries 0
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0

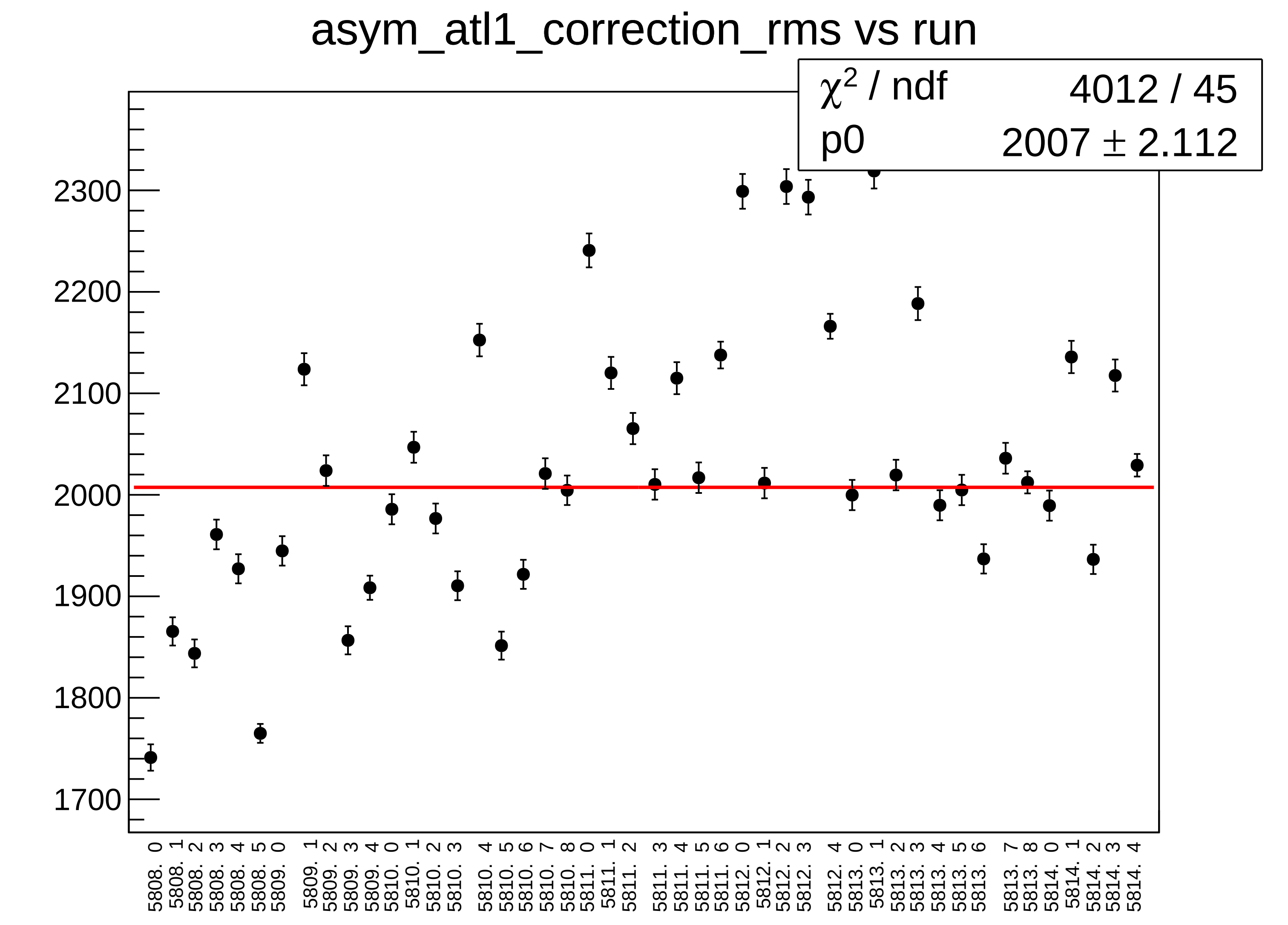

reg_asym_atl1_mean vs run
$\times10^3$
χ^2 / ndf 39.86 / 45
p0 −293.6 ± 5092
100
50
0
−50
−100
pull
Entries 46
Mean 617.7
Std Dev 565.1


pull1D
Entries 46
Mean −0.00103
Std Dev 0.9309

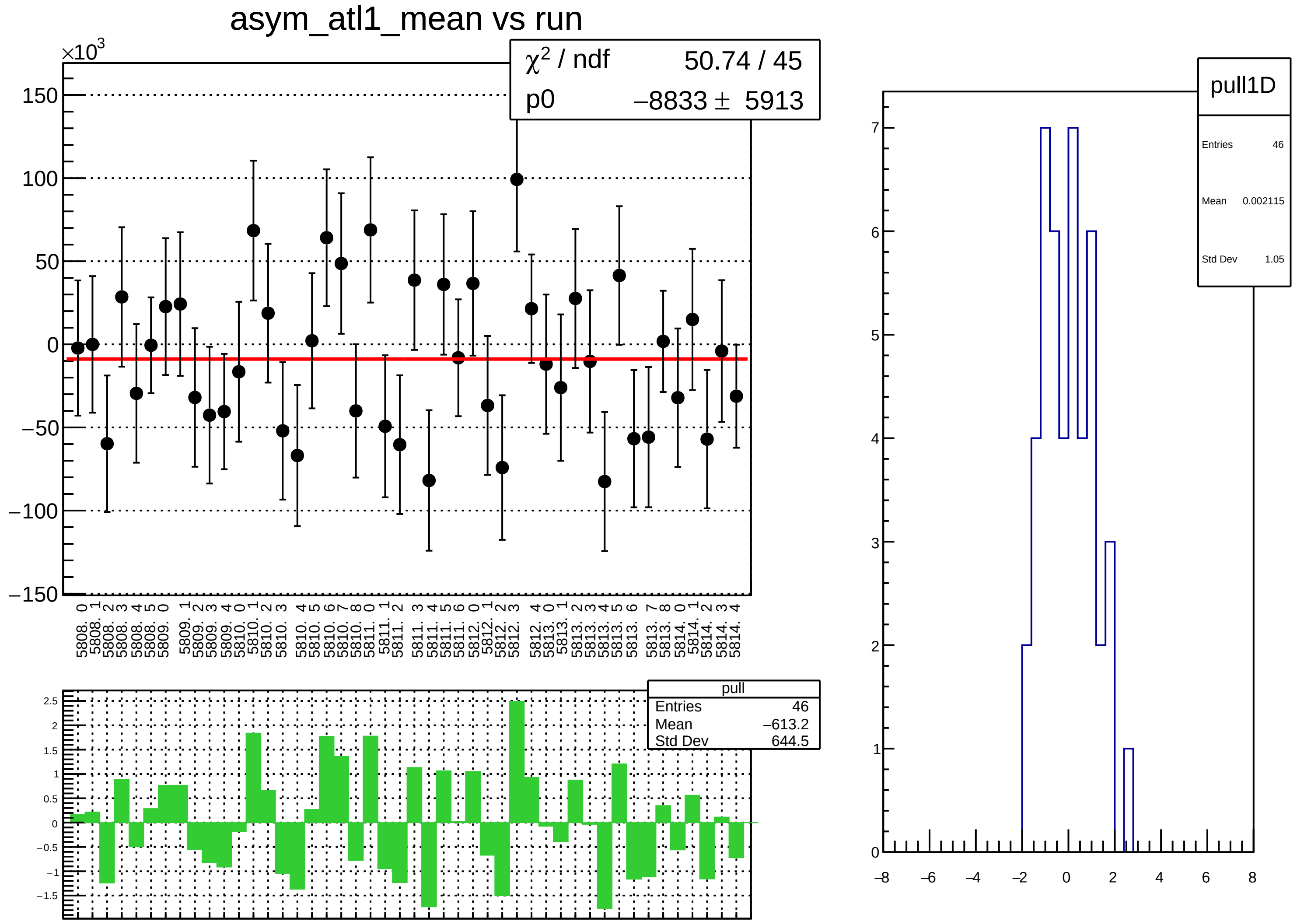

reg_asym_atl1_rms vs run
χ2 / ndf 56.28 / 45
p0 3429 ± 3.601
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
3340
3320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



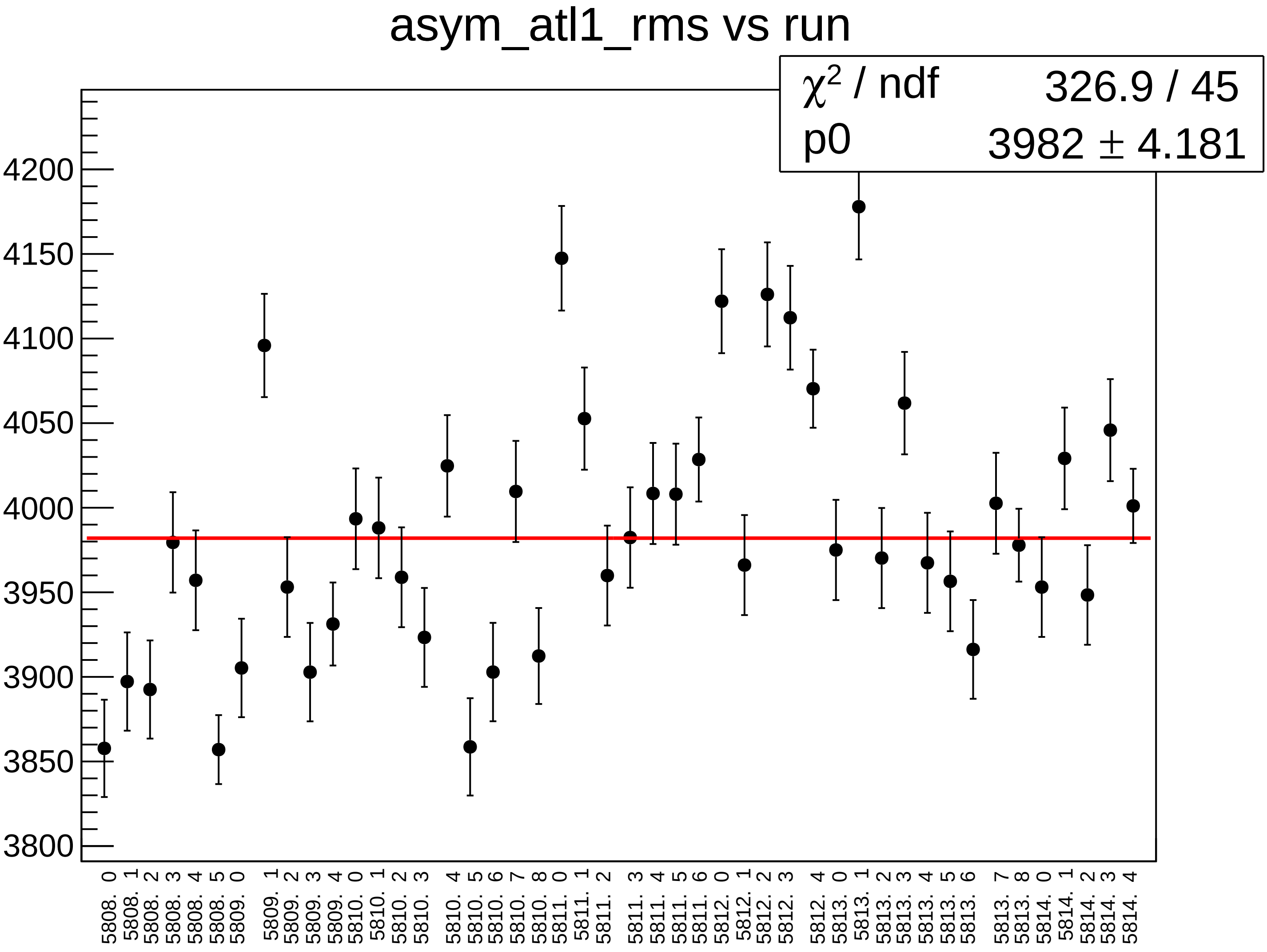
asym_atl1_correction_mean vs run
χ^2 / ndf 53.63 / 45
p0 8370 ± 2987
pull
Entries 46
Mean 3913
Std Dev 3894
pull1D
Entries 46
Mean 0.0004586
Std Dev 1.08



asym_atl1_correction_rms vs run
χ^2 / ndf 4012 / 45
p0 2007 ± 2.112
2300
2200
2100
2000
1900
1800
1700



asym_atl1_mean vs run
×10^3
χ2 / ndf 50.74 / 45
p0 −8833 ± 5913
pull
Entries 46
Mean −613.2
Std Dev 644.5
pull1D
Entries 46
Mean 0.002115
Std Dev 1.05



asym_atl1_rms vs run
χ^2 / ndf 326.9 / 45
p0 3982 ± 4.181
4200
4150
4100
4050
4000
3950
3900
3850
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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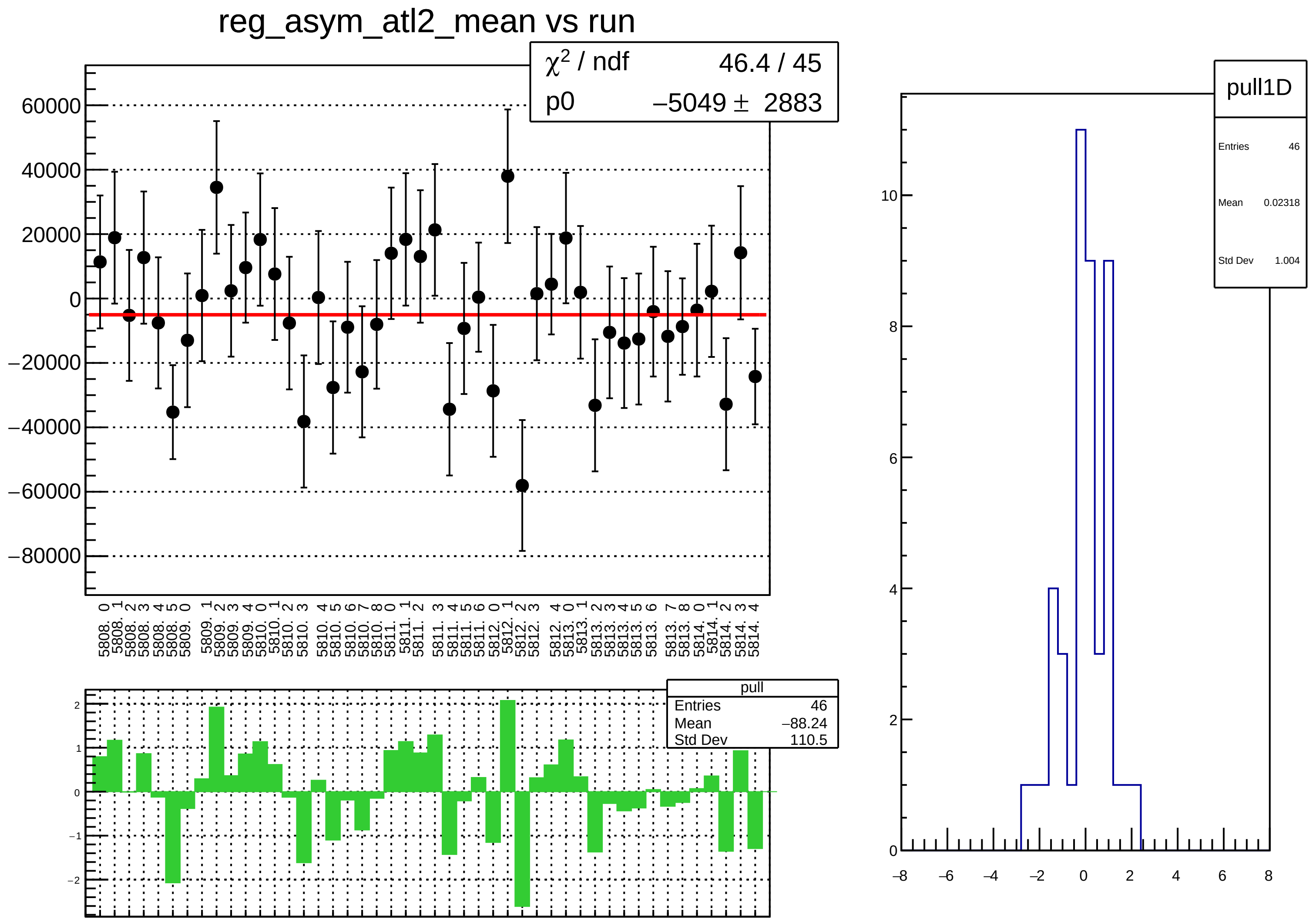
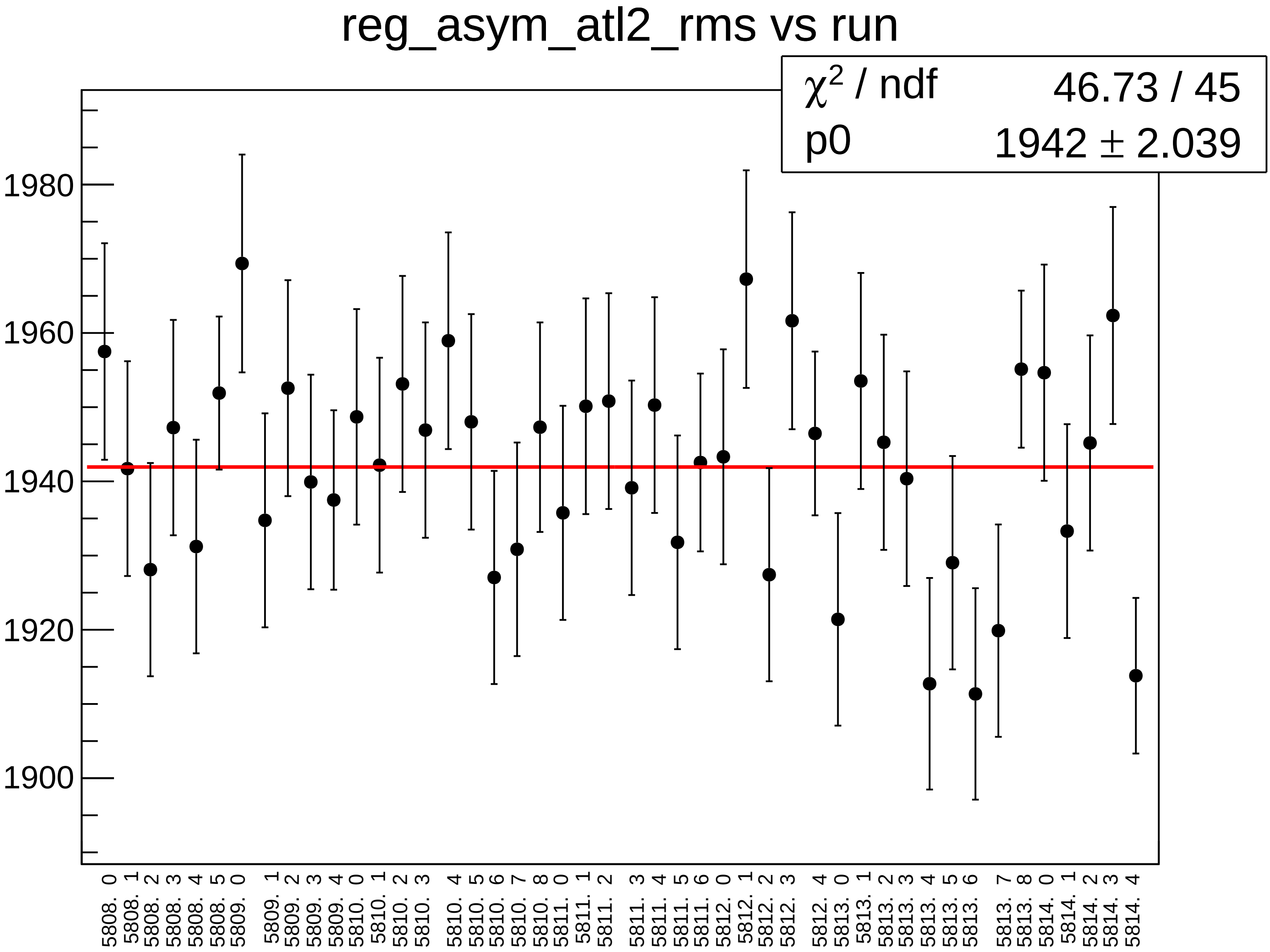
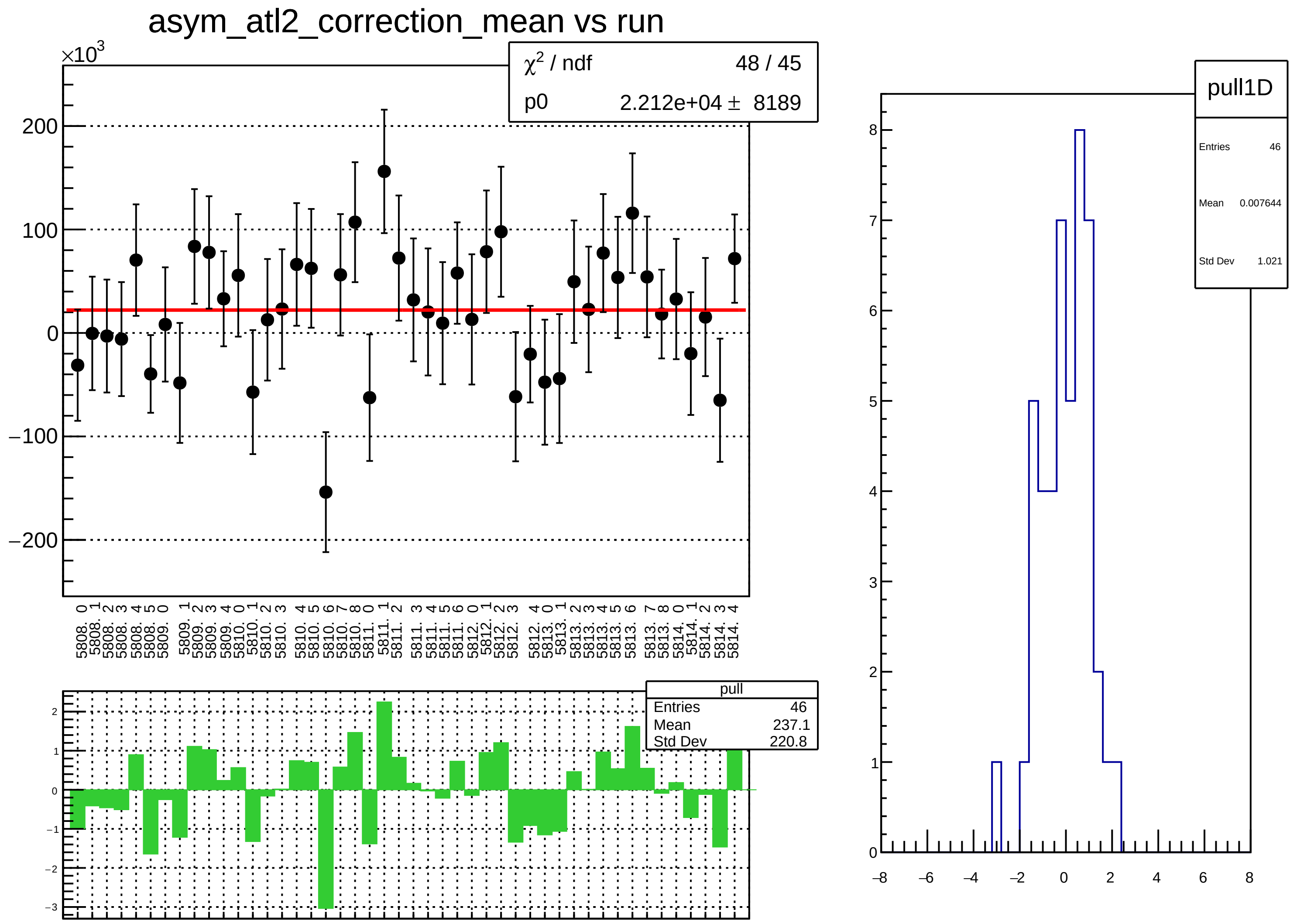
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

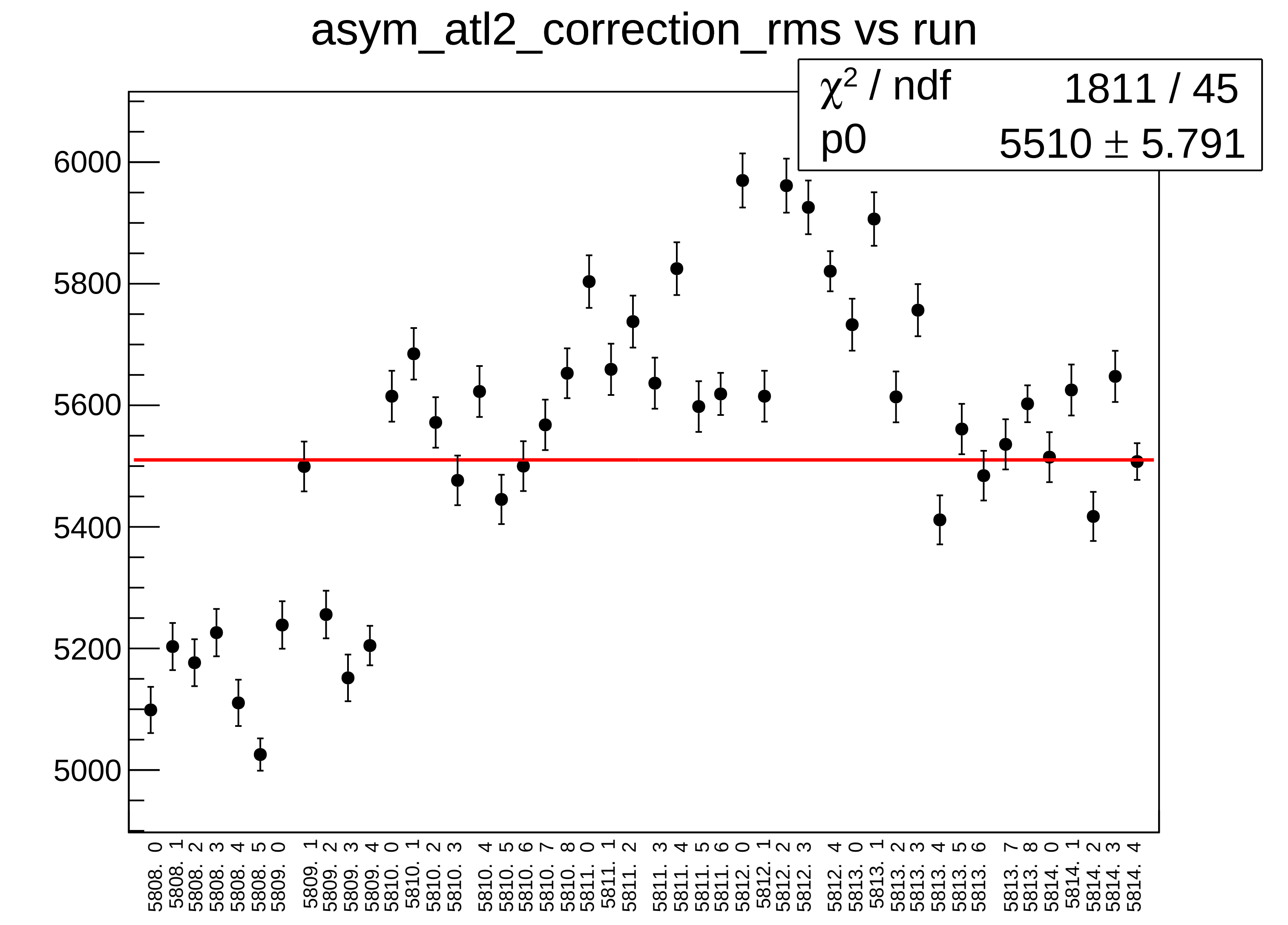


reg_asym_atl2_mean vs run
χ^2 / ndf 46.4 / 45
p0 −5049 ± 2883
pull
Entries 46
Mean −88.24
Std Dev 110.5
pull1D
Entries 46
Mean 0.02318
Std Dev 1.004

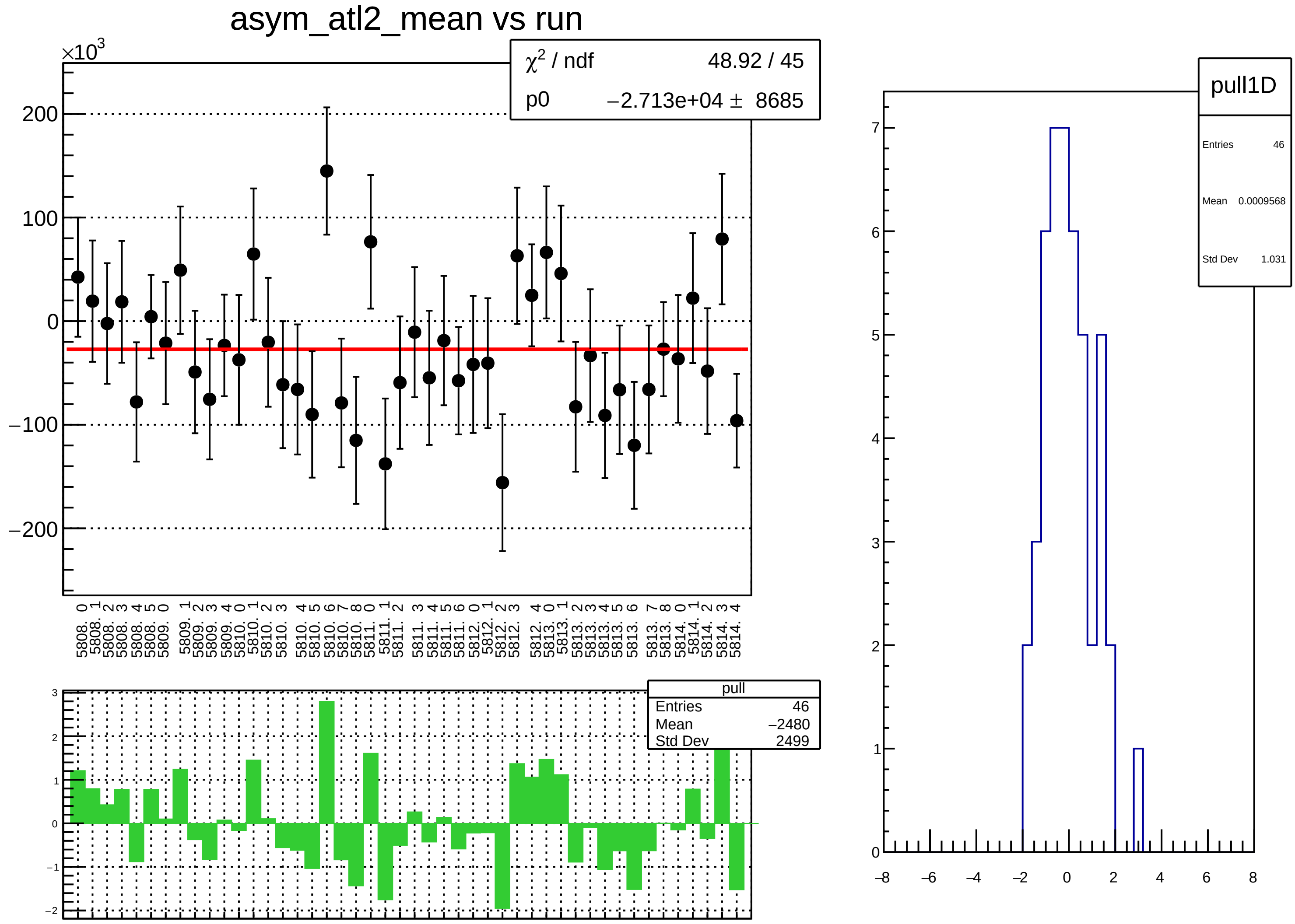

reg_asym_atl2_rms vs run
χ^2 / ndf 46.73 / 45
p0 1942 ± 2.039
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



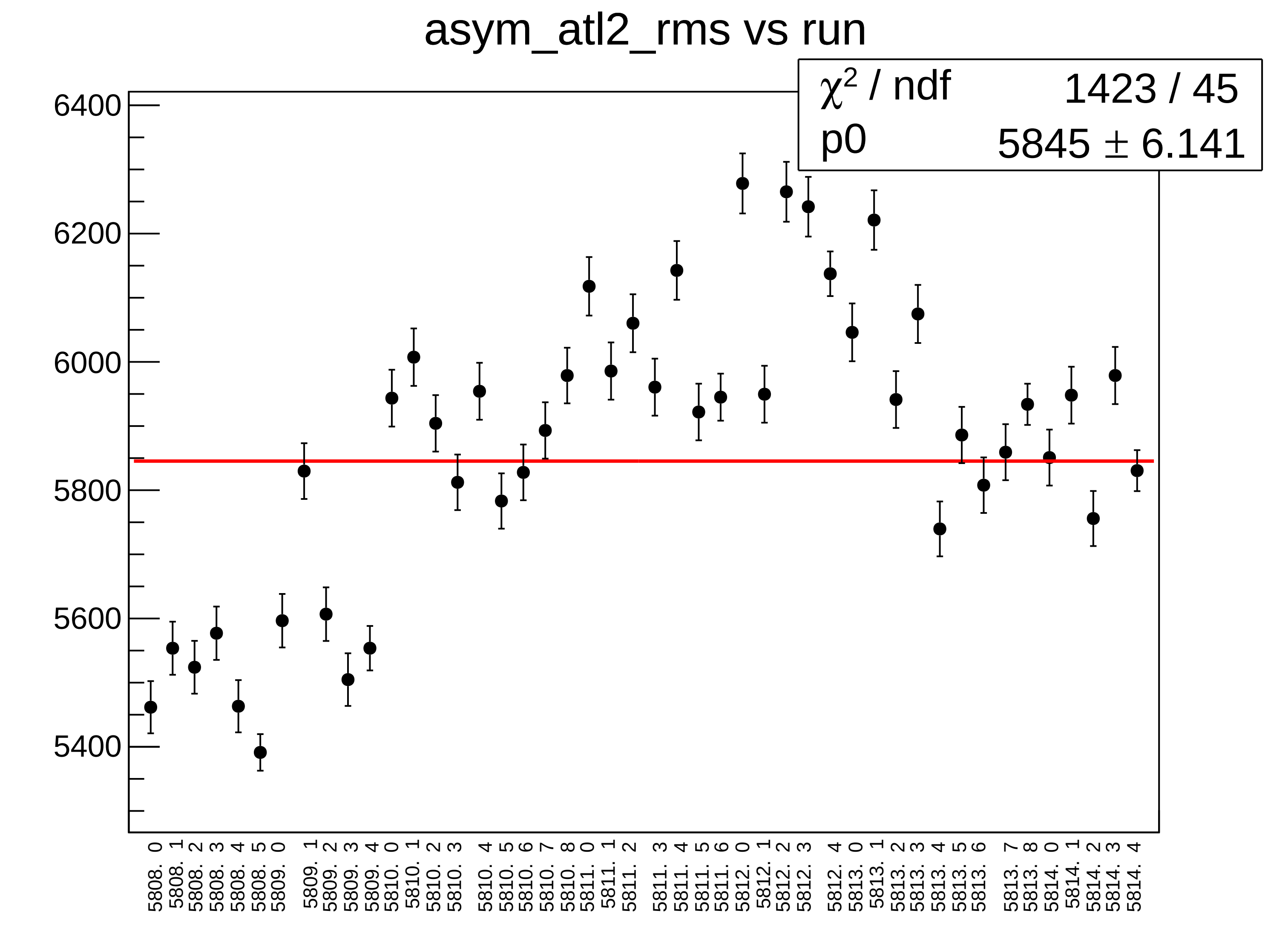
asym_atl2_correction_mean vs run
χ^2 / ndf 48 / 45
p0 2.212e+04 ± 8189
×10³
pull
Entries 46
Mean 237.1
Std Dev 220.8
pull1D
Entries 46
Mean 0.007644
Std Dev 1.021

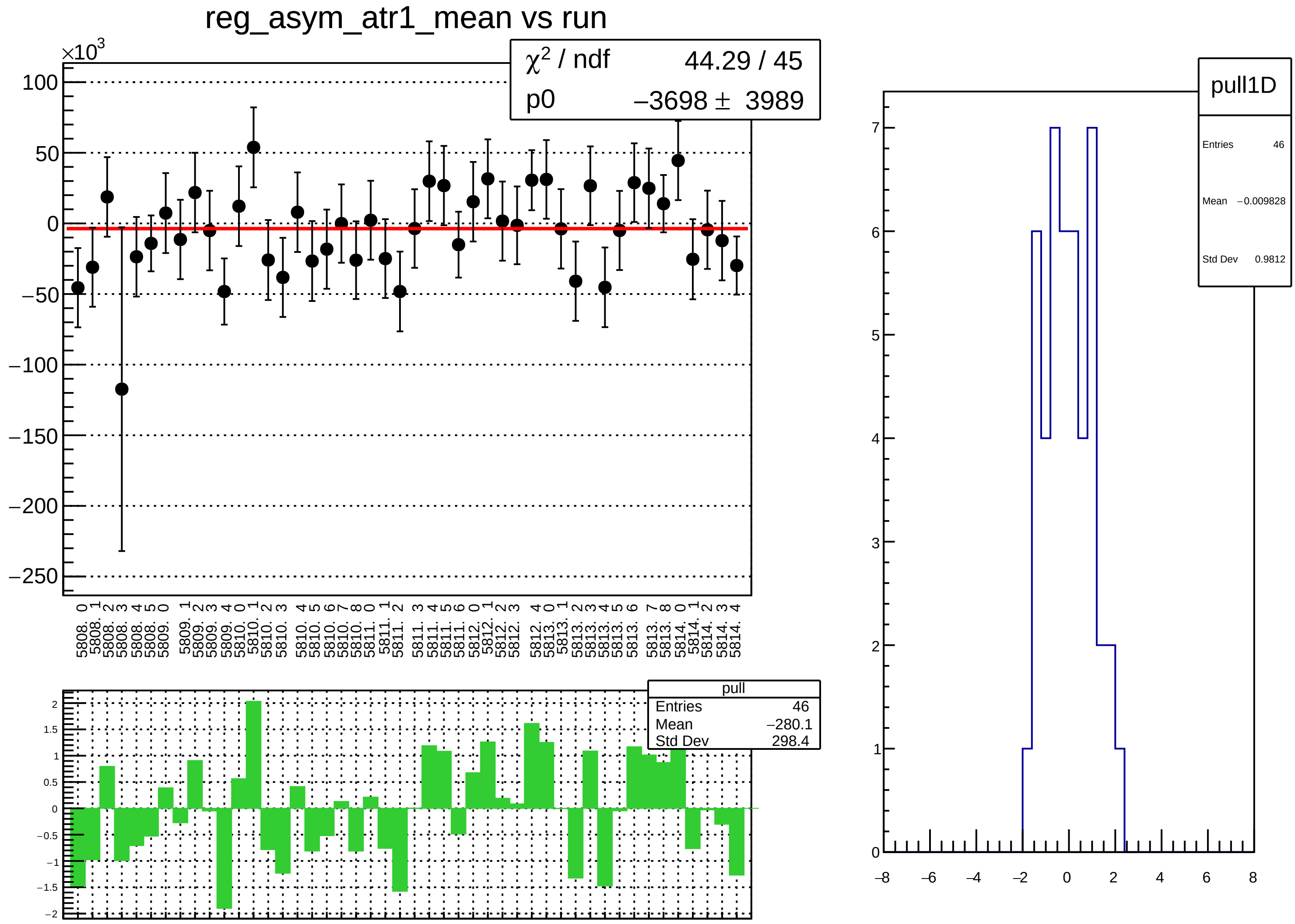


asym_atl2_correction_rms vs run
χ^2 / ndf 1811 / 45
p0 5510 ± 5.791
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

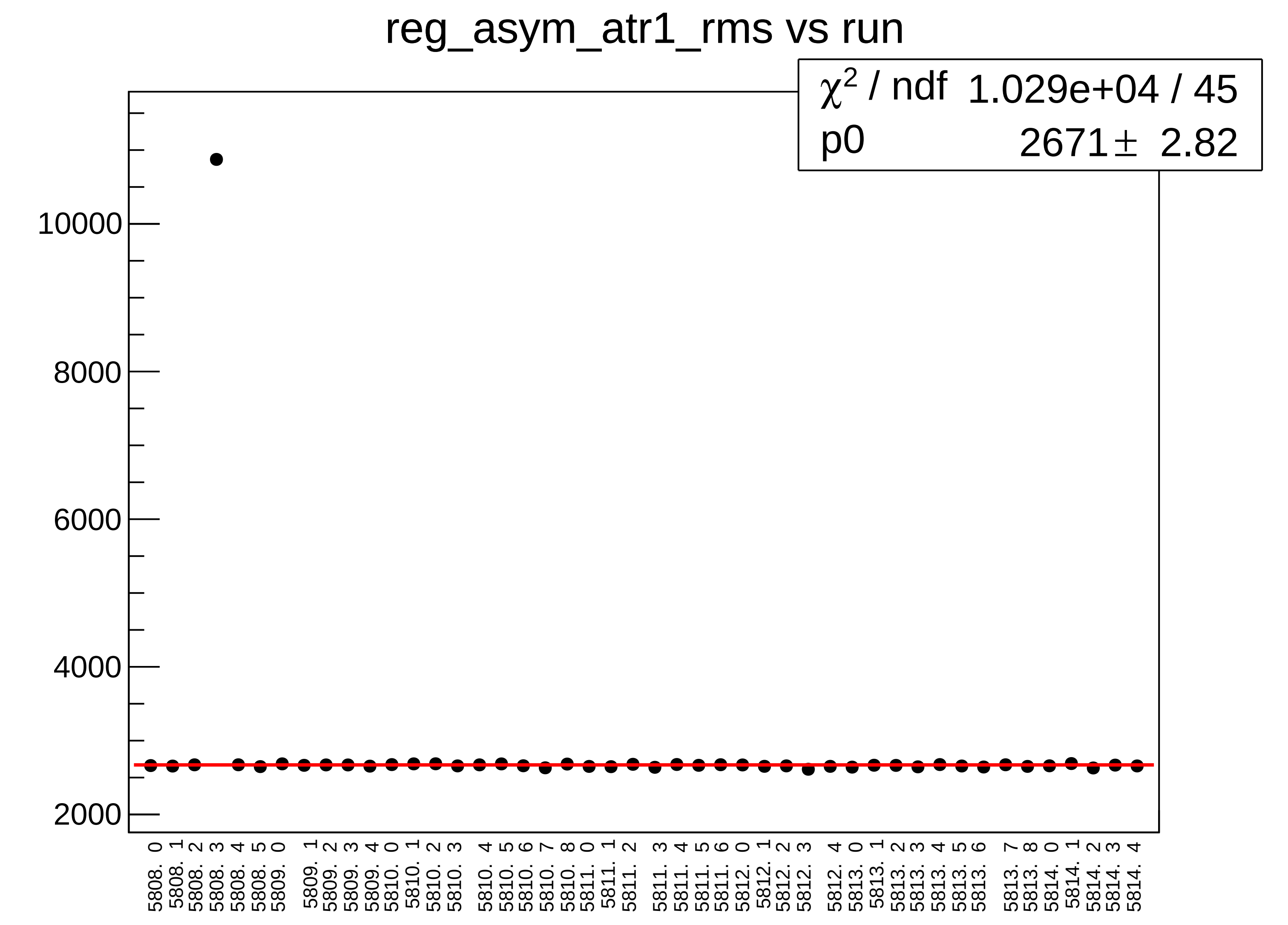


asym_atl2_mean vs run
χ² / ndf 48.92 / 45
p0 −2.713e+04 ± 8685
pull
Entries 46
Mean −2480
Std Dev 2499
pull1D
Entries 46
Mean 0.0009568
Std Dev 1.031

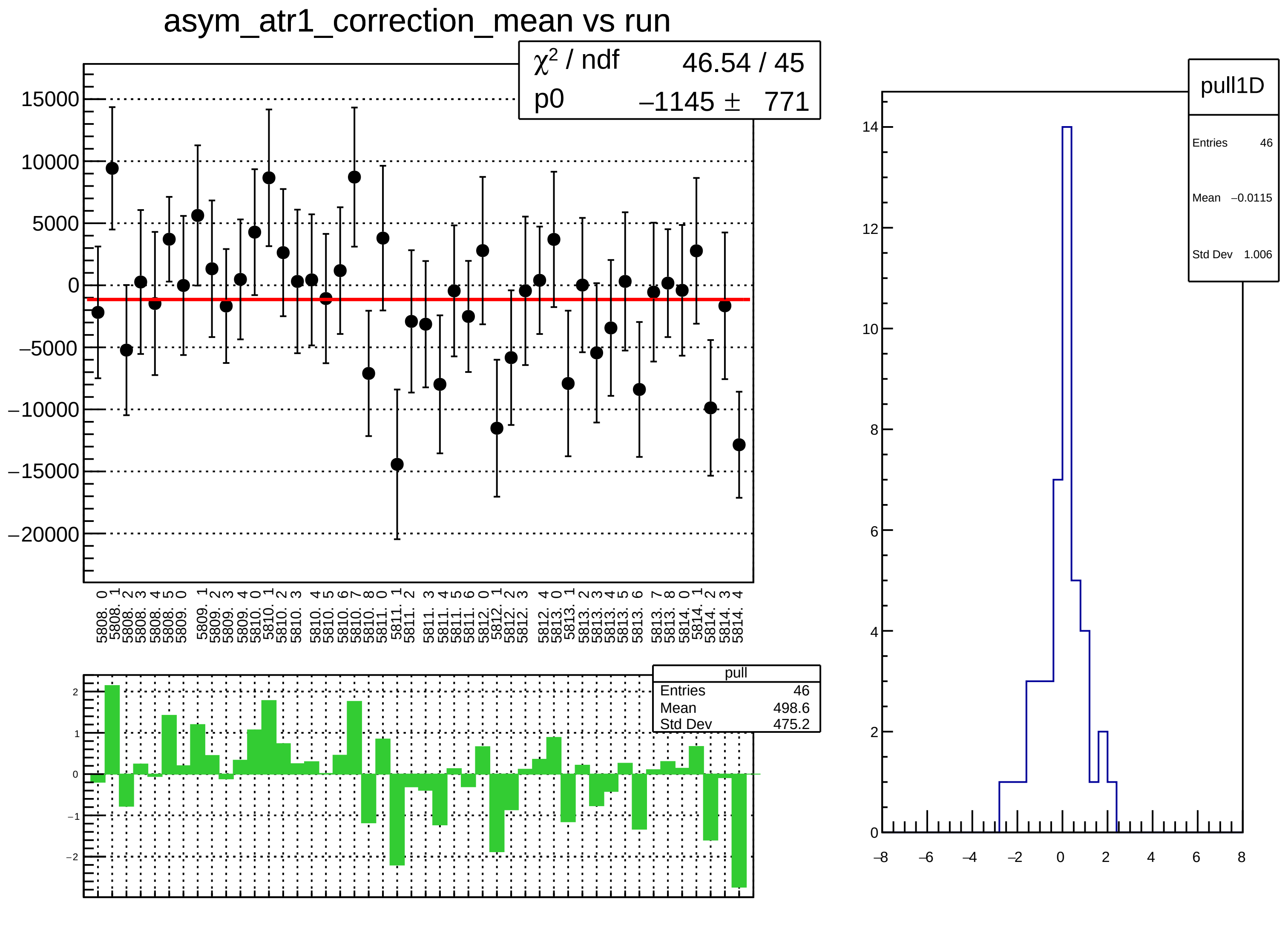

asym_atl2_rms vs run
χ² / ndf 1423 / 45
p0 5845 ± 6.141
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



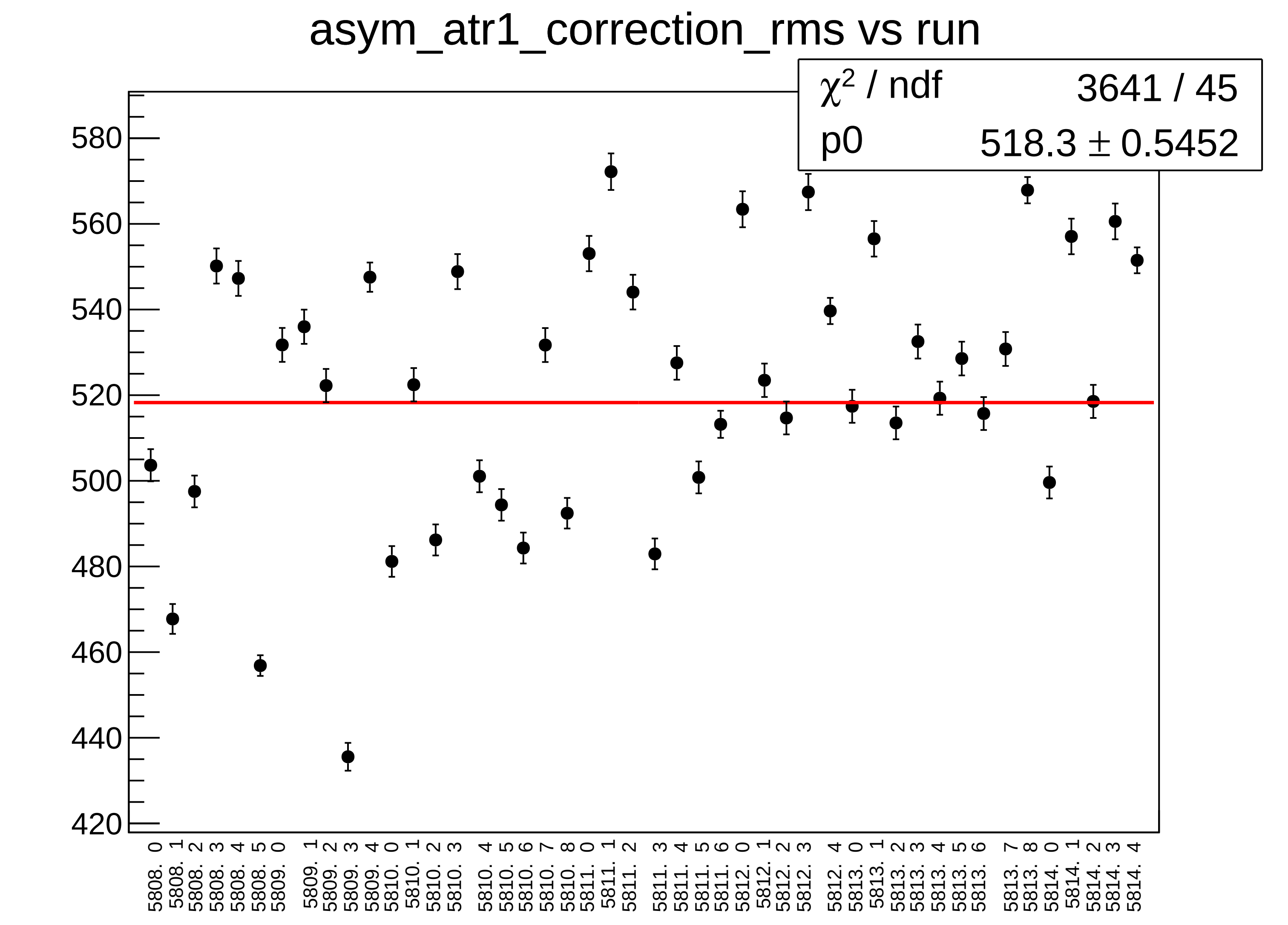
reg_asym_atr1_mean vs run
×10^3
χ2 / ndf 44.29 / 45
p0 −3698 ± 3989
pull
Entries 46
Mean −280.1
Std Dev 298.4
pull1D
Entries 46
Mean −0.009828
Std Dev 0.9812

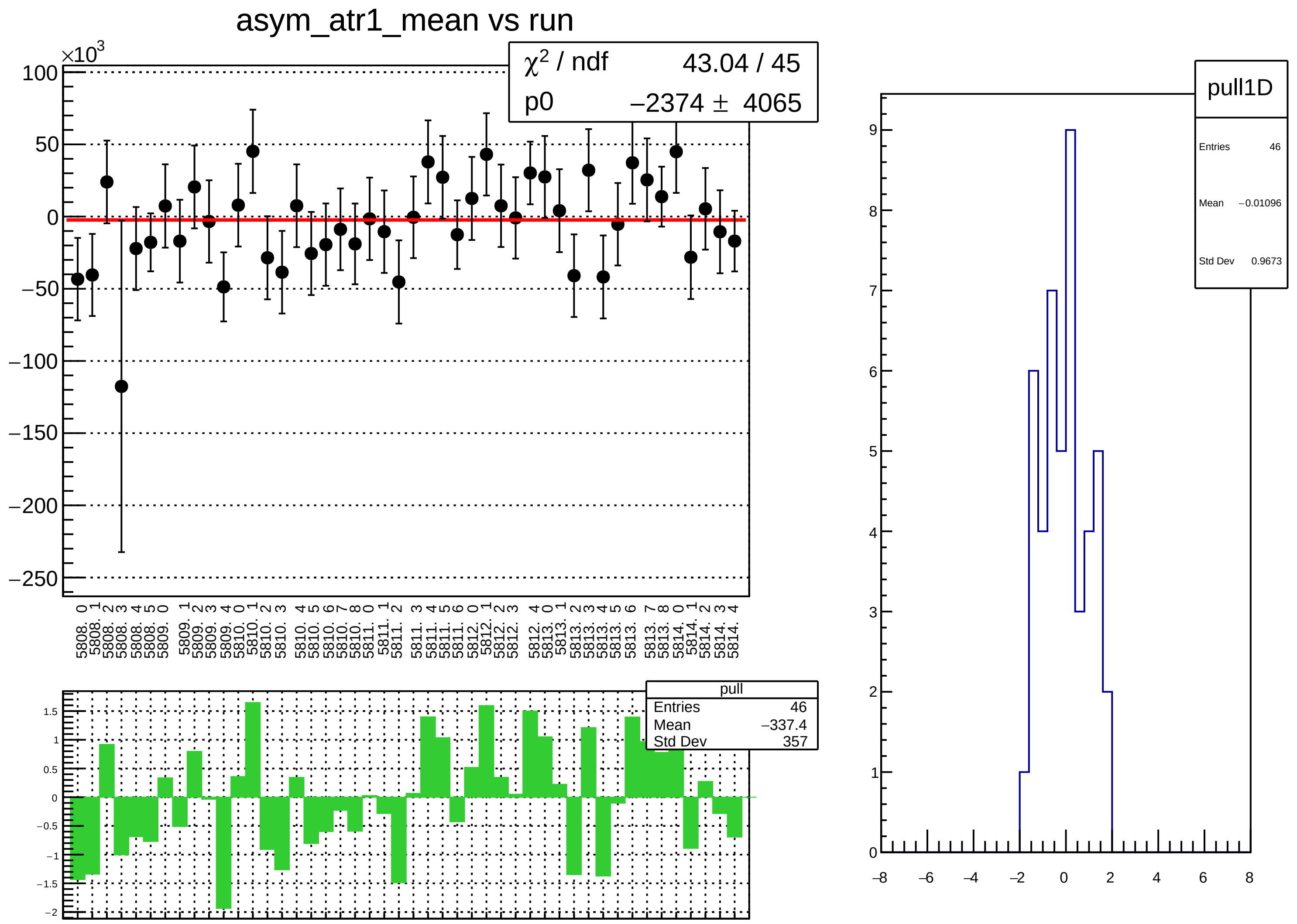


reg_asym_atr1_rms vs run
χ^2 / ndf 1.029e+04 / 45
p0 2671 ± 2.82
10000
8000
6000
4000
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



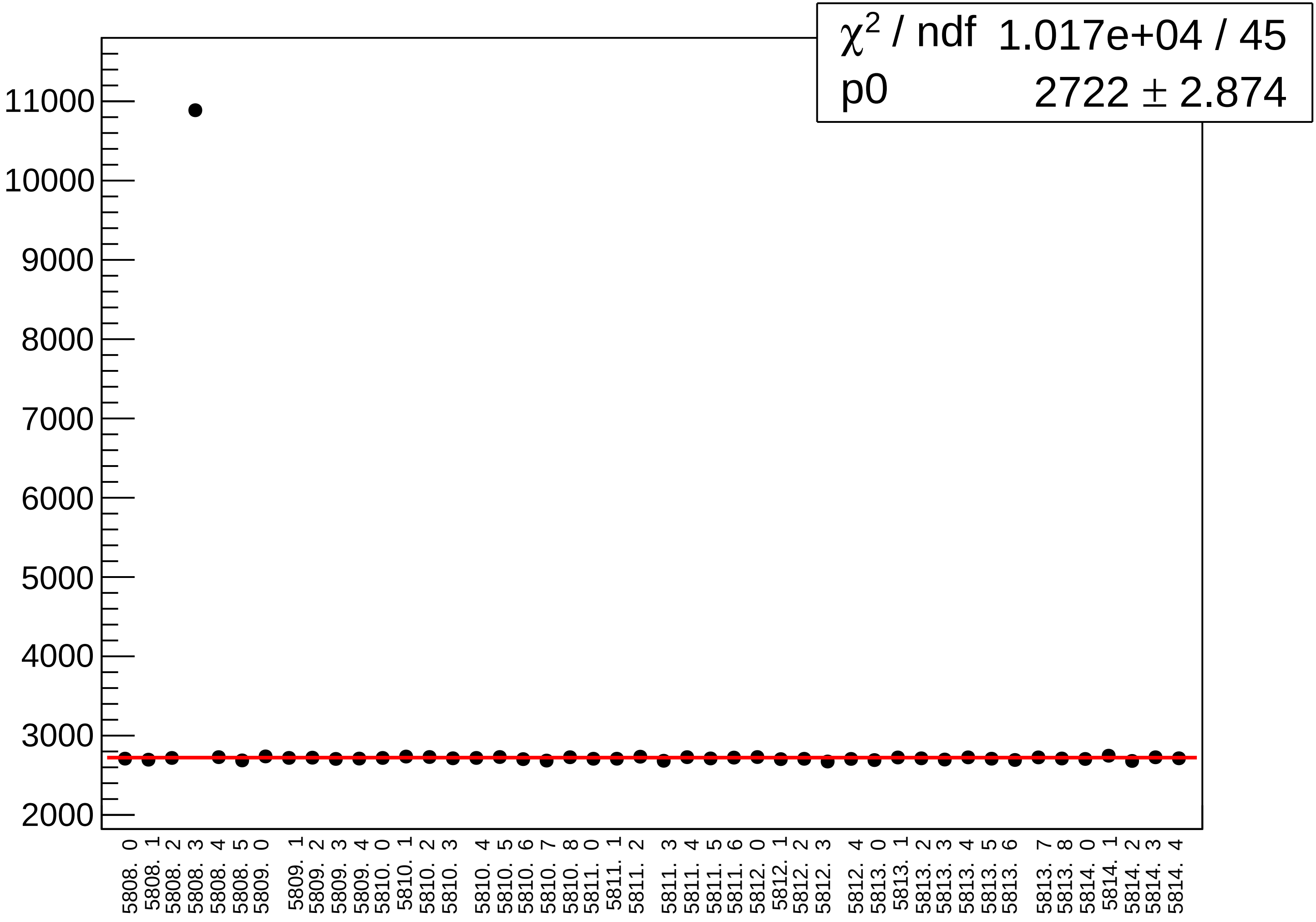
asym_atr1_correction_mean vs run
χ^2 / ndf 46.54 / 45
p0 −1145 ± 771
pull
Entries 46
Mean 498.6
Std Dev 475.2
pull1D
Entries 46
Mean −0.0115
Std Dev 1.006

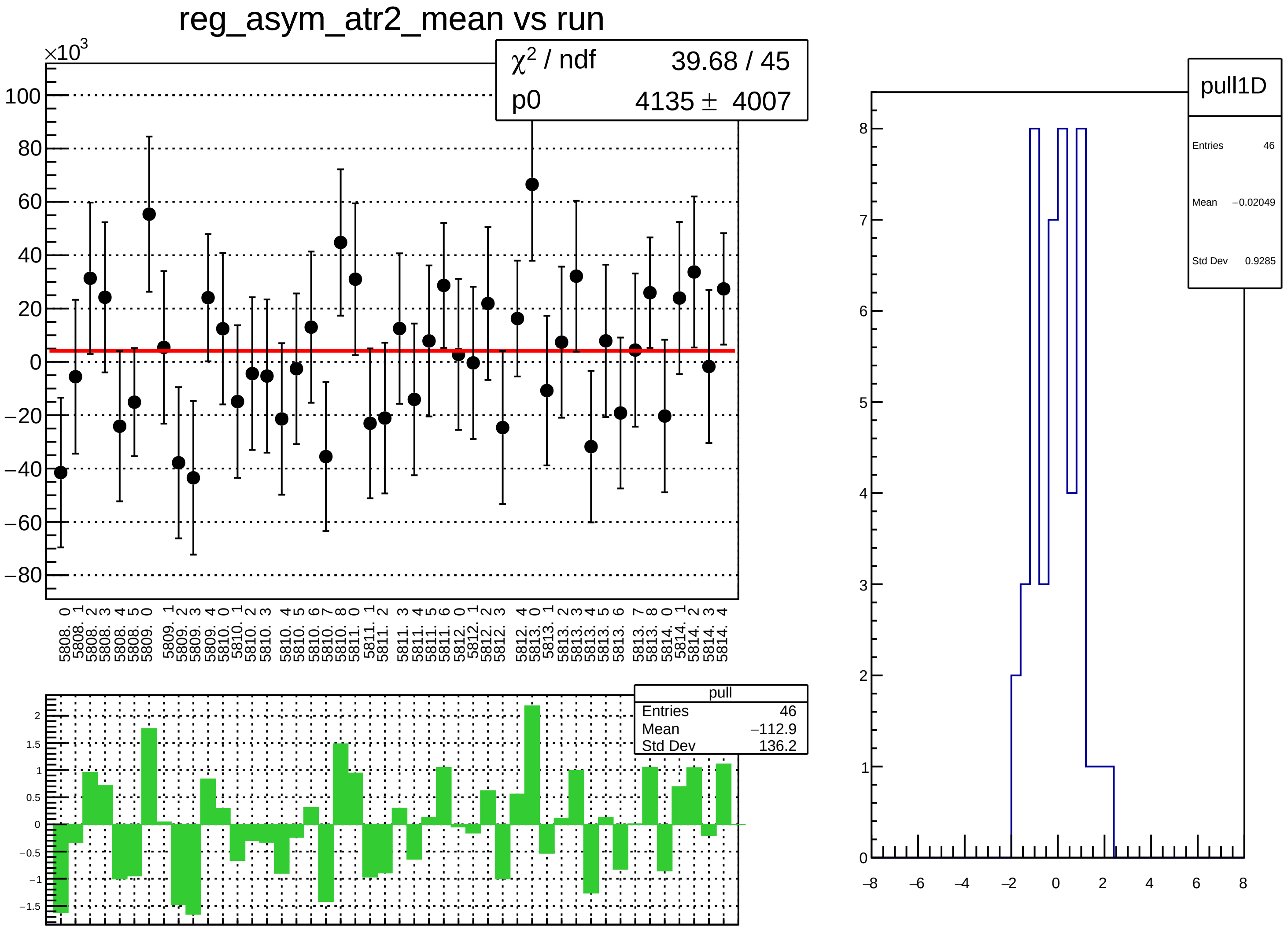

asym_atr1_correction_rms vs run
χ^2 / ndf 3641 / 45
p0 518.3 ± 0.5452
580
560
540
520
500
480
460
440
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



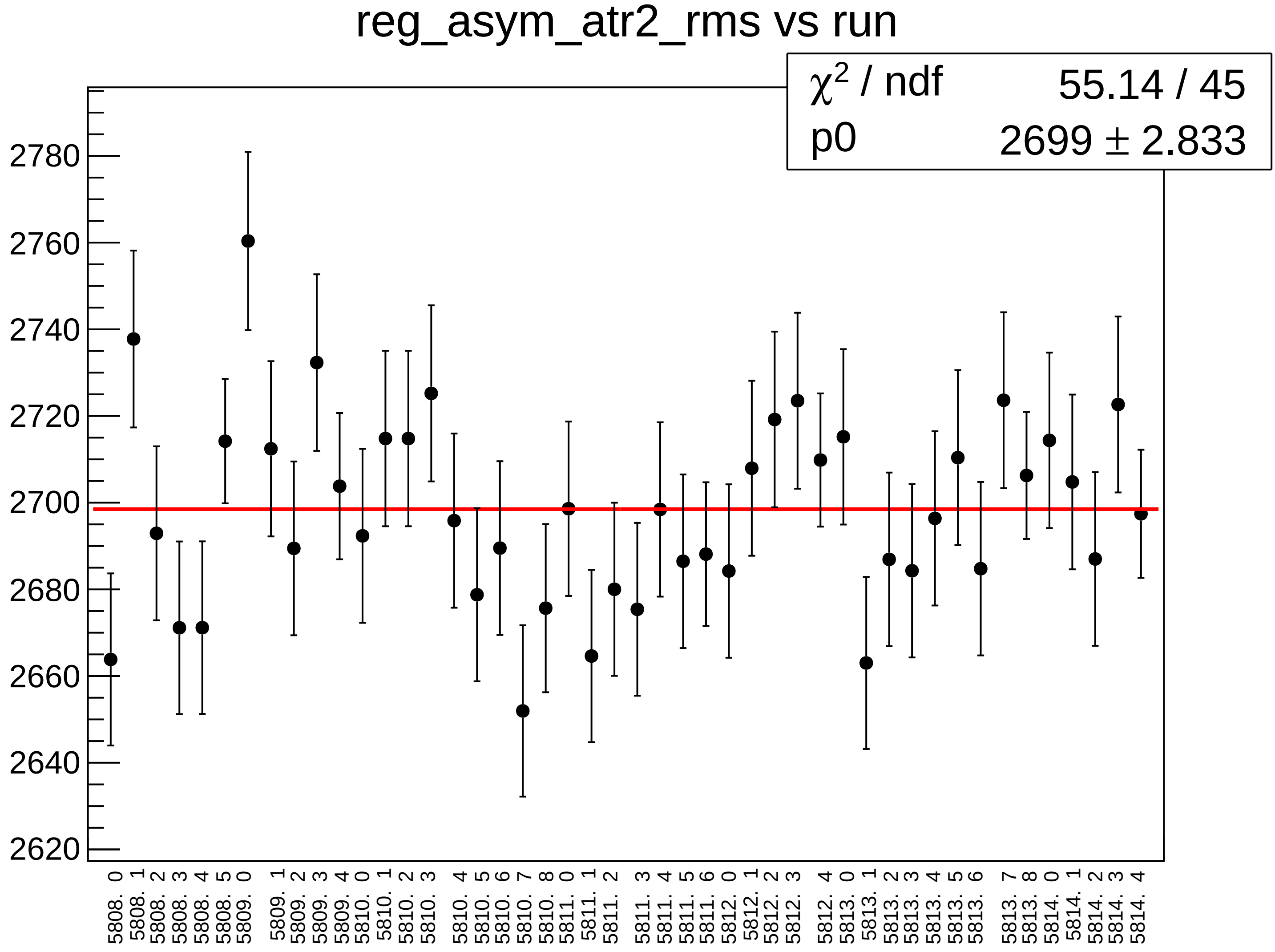
asym_atr1_mean vs run
×10^3
χ2 / ndf 43.04 / 45
p0 −2374 ± 4065
pull
Entries 46
Mean −337.4
Std Dev 357
pull1D
Entries 46
Mean −0.01096
Std Dev 0.9673

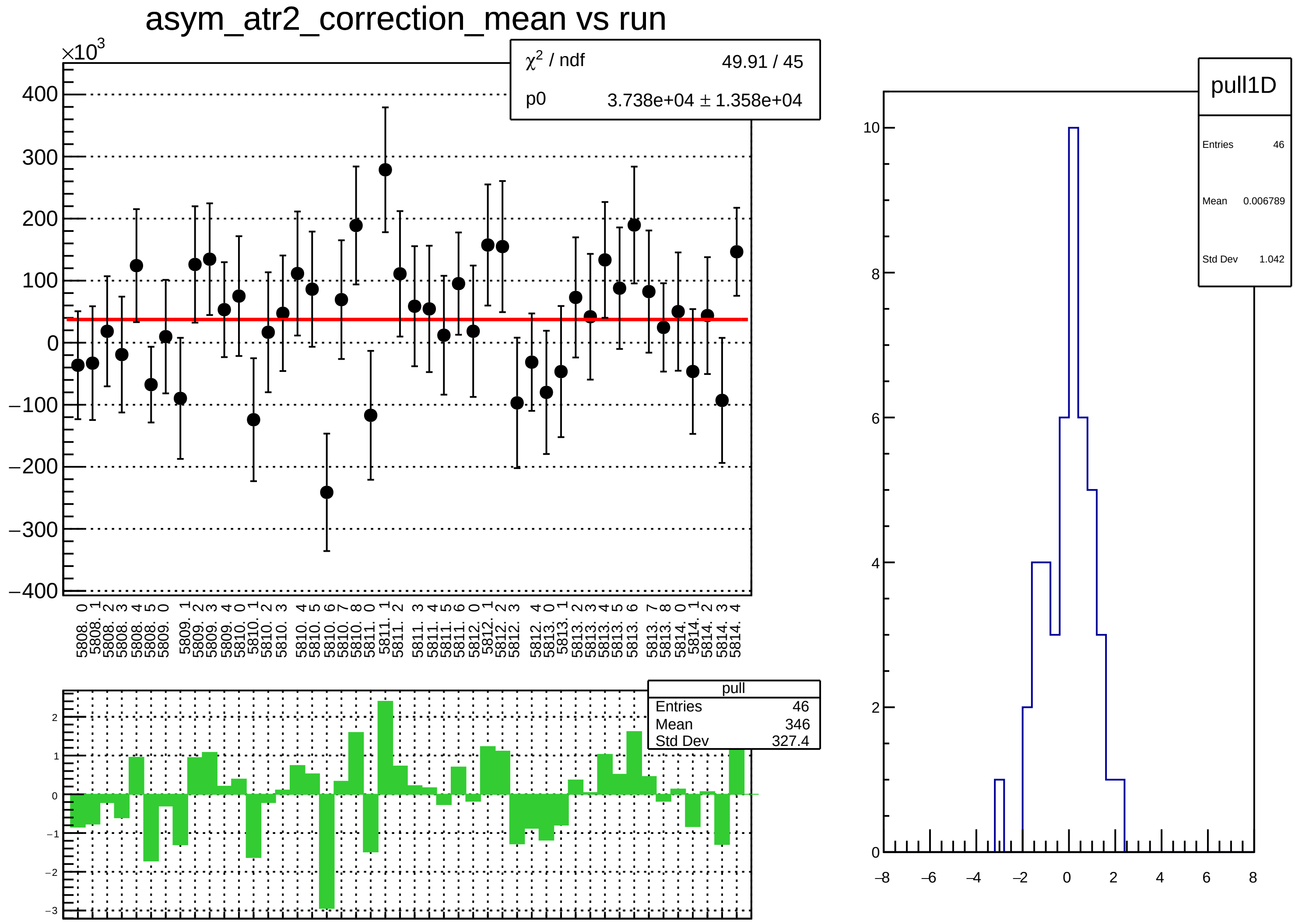
asym_atr1_rms vs run



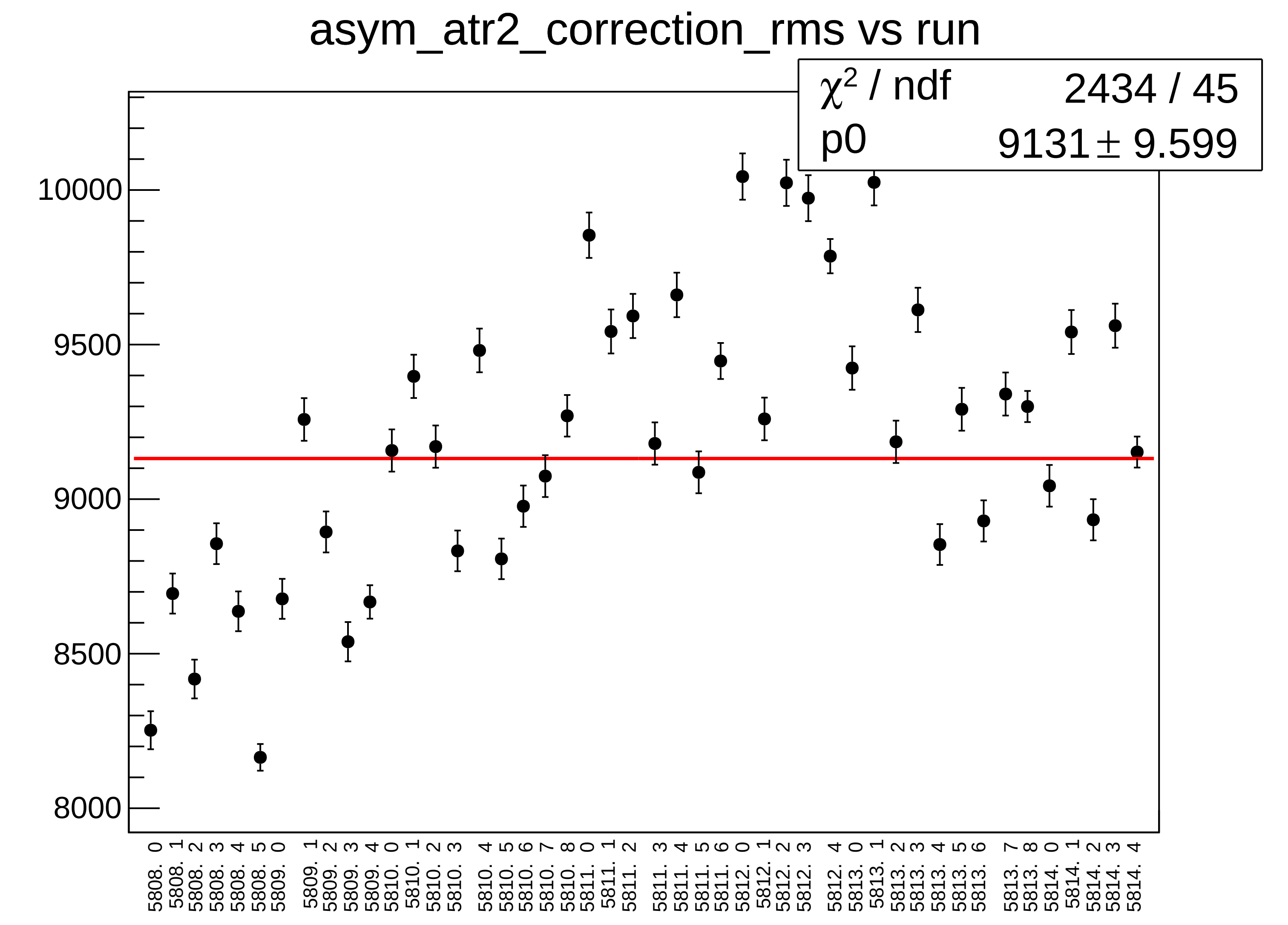


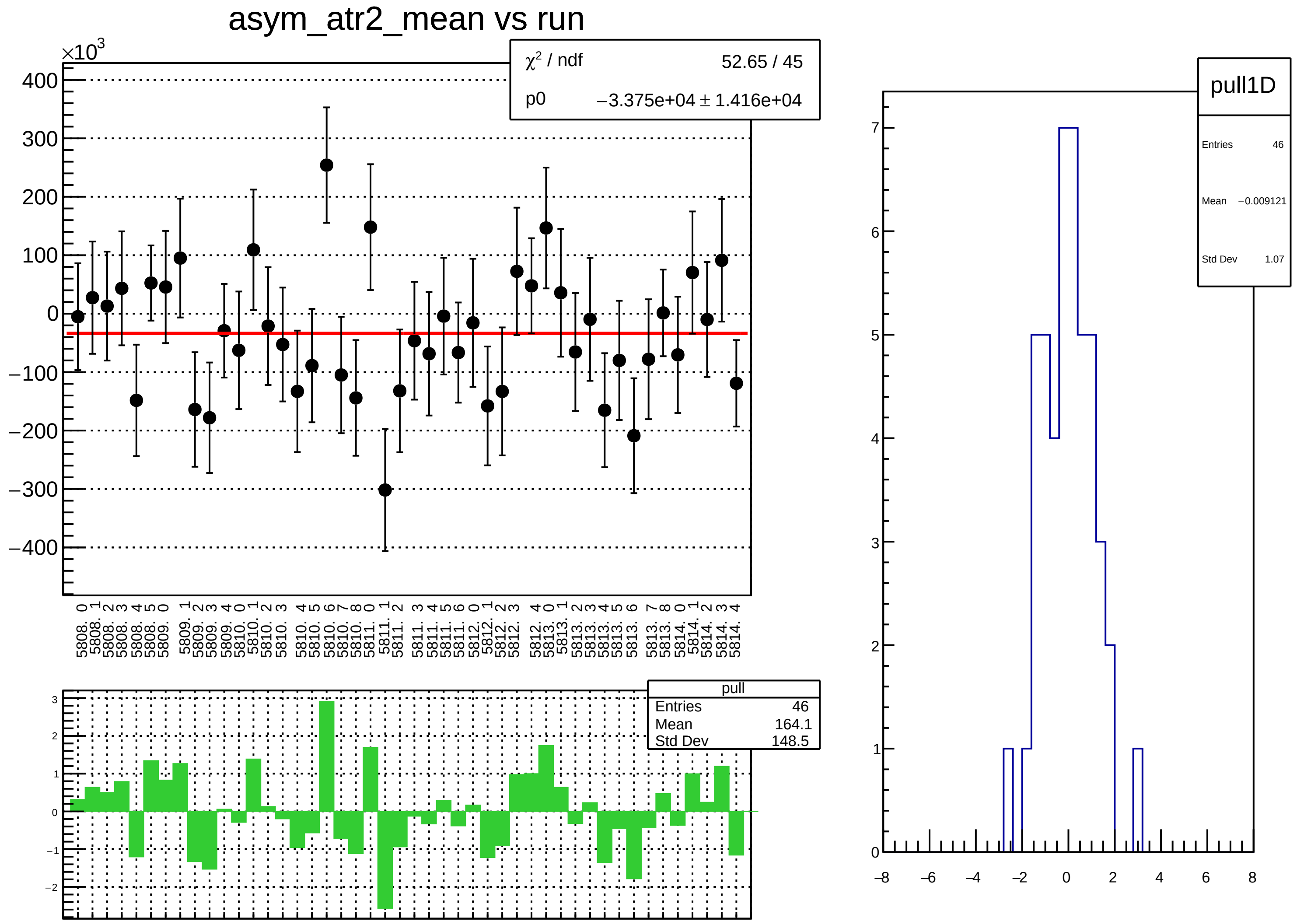
reg_asym_atr2_mean vs run
χ^2 / ndf 39.68 / 45
p0 4135 ± 4007
pull
Entries 46
Mean −112.9
Std Dev 136.2
pull1D
Entries 46
Mean −0.02049
Std Dev 0.9285

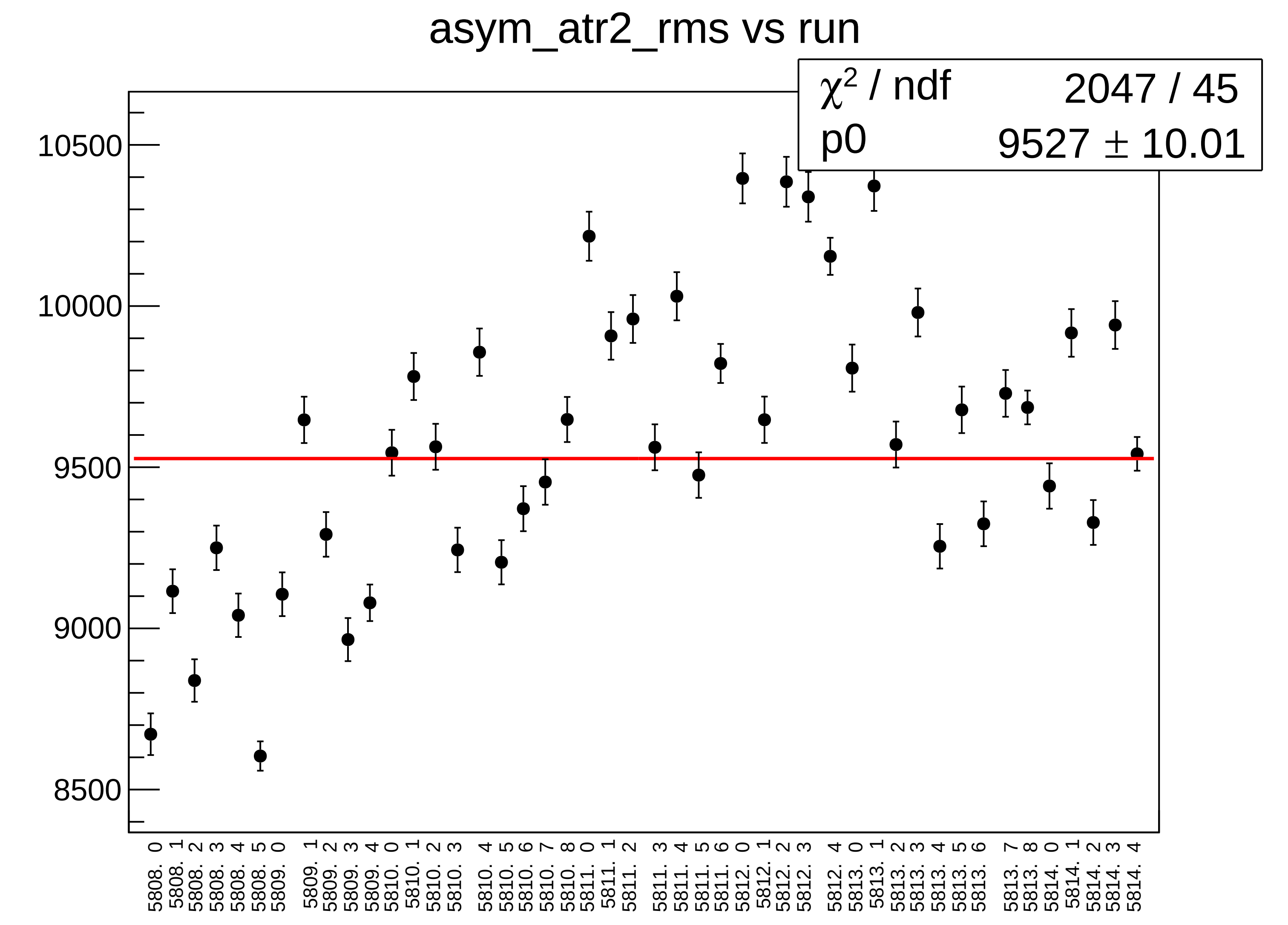

reg_asym_atr2_rms vs run
χ2 / ndf 55.14 / 45
p0 2699 ± 2.833
2620
2640
2660
2680
2700
2720
2740
2760
2780
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

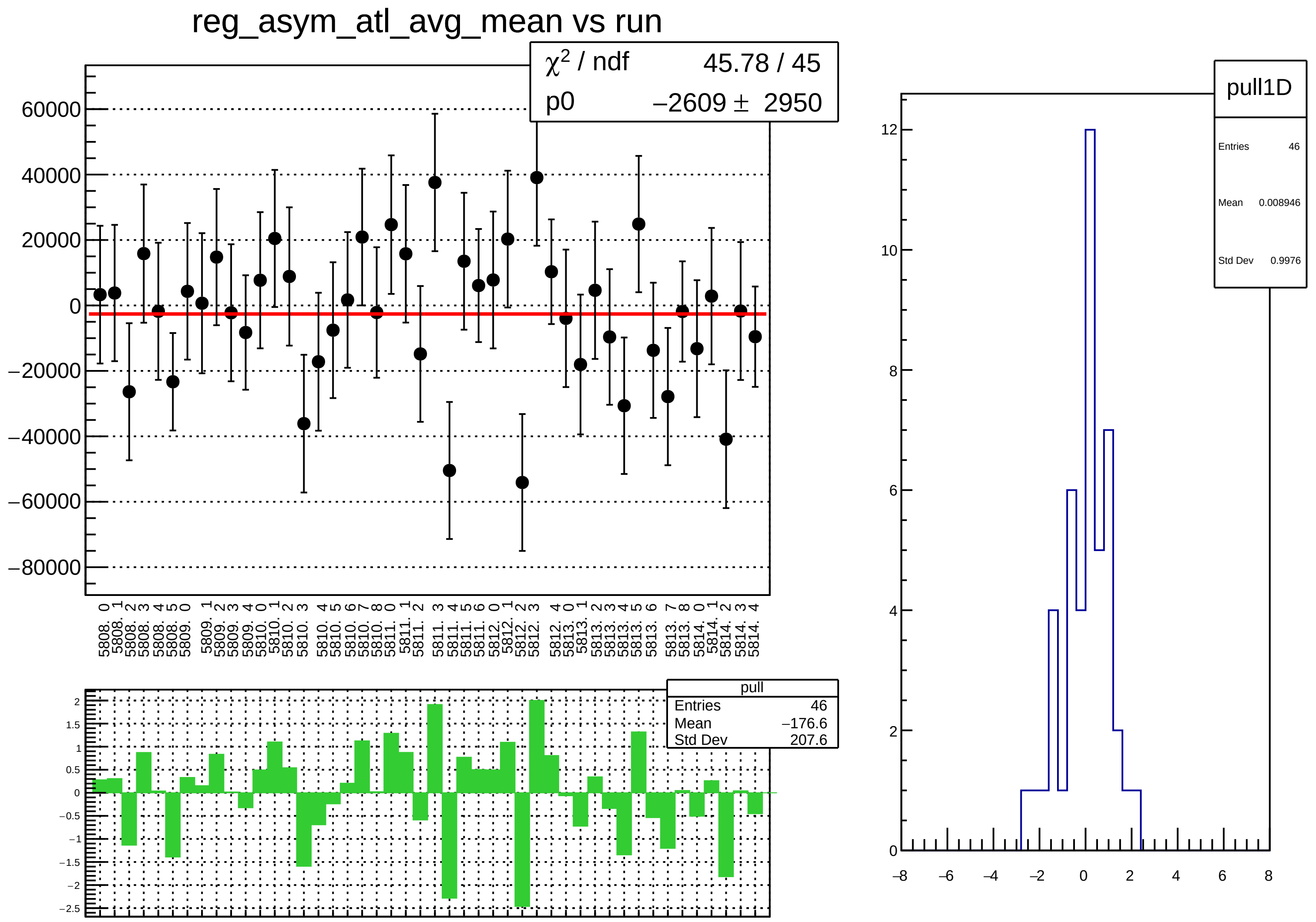


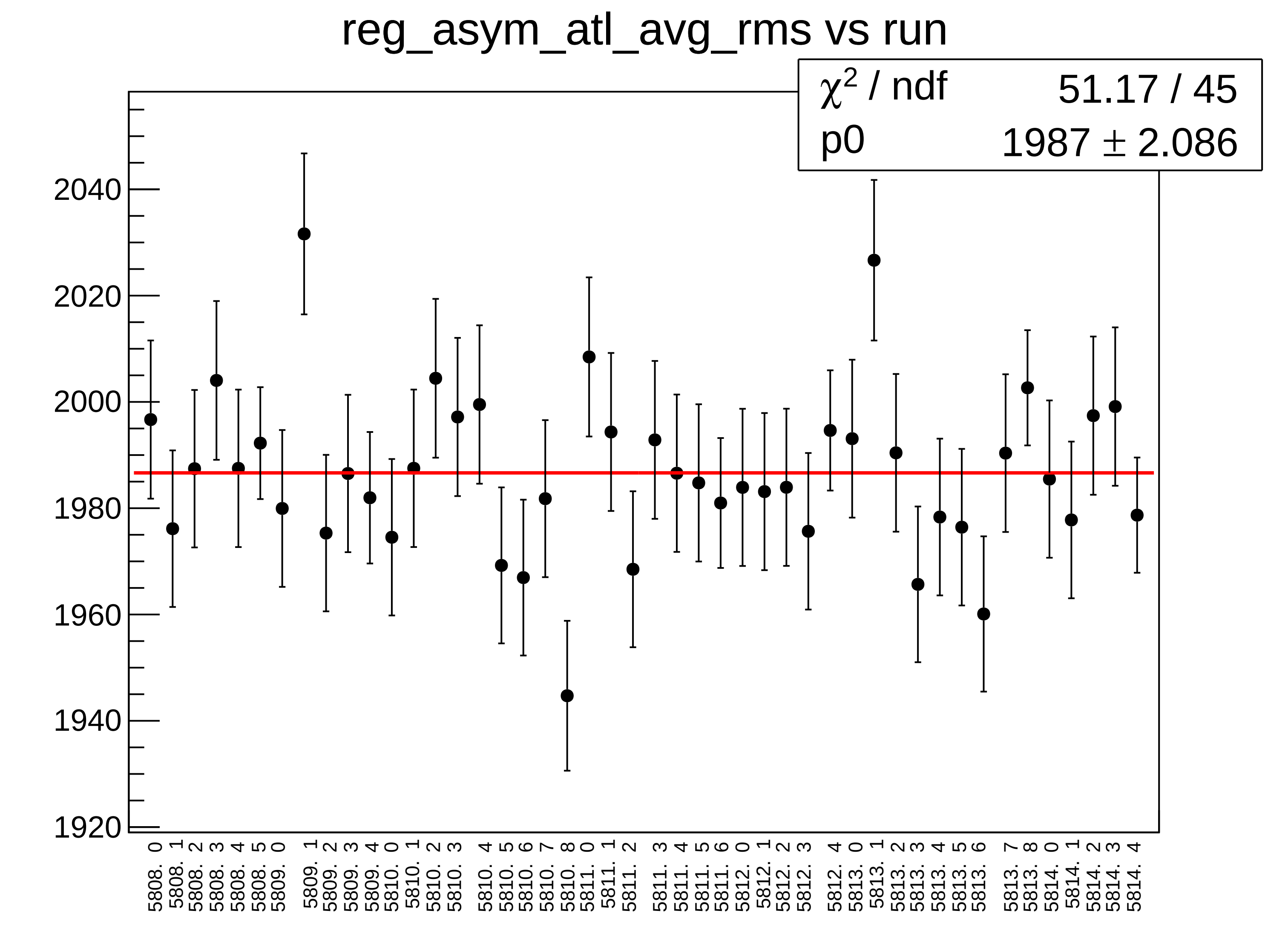
asym_atr2_correction_mean vs run
$\times10^3$
χ^2 / ndf 49.91 / 45
p0 3.738e+04 ± 1.358e+04
pull
Entries 46
Mean 346
Std Dev 327.4
pull1D
Entries 46
Mean 0.006789
Std Dev 1.042


asym_atr2_correction_rms vs run
χ2 / ndf 2434 / 45
p0 9131 ± 9.599
10000
9500
9000
8500
8000


asym_atr2_mean vs run
χ^2 / ndf 52.65 / 45
p0 −3.375e+04 ± 1.416e+04
pull
Entries 46
Mean 164.1
Std Dev 148.5
pull1D
Entries 46
Mean −0.009121
Std Dev 1.07

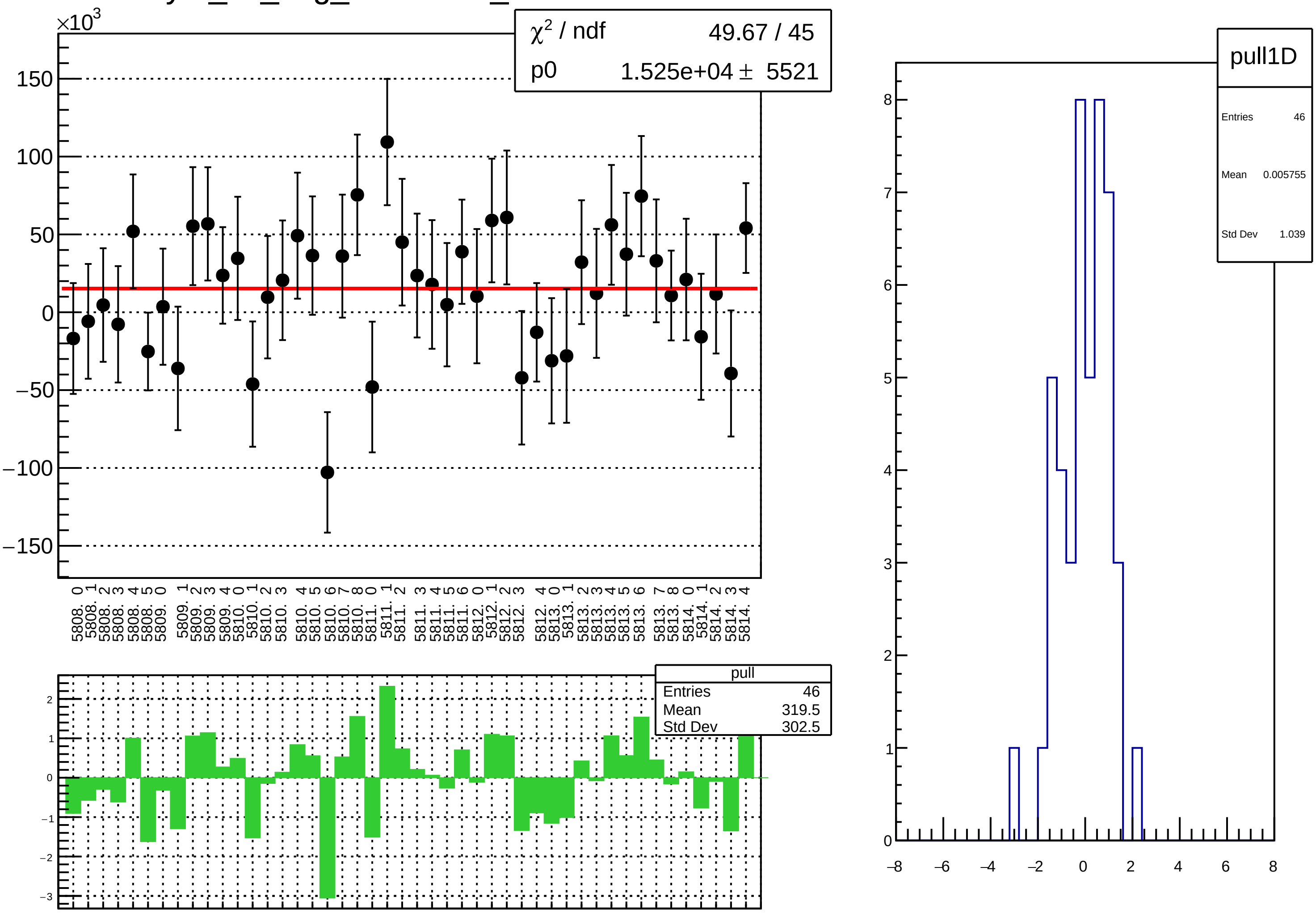

asym_atr2_rms vs run
χ2 / ndf 2047 / 45
p0 9527 ± 10.01
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

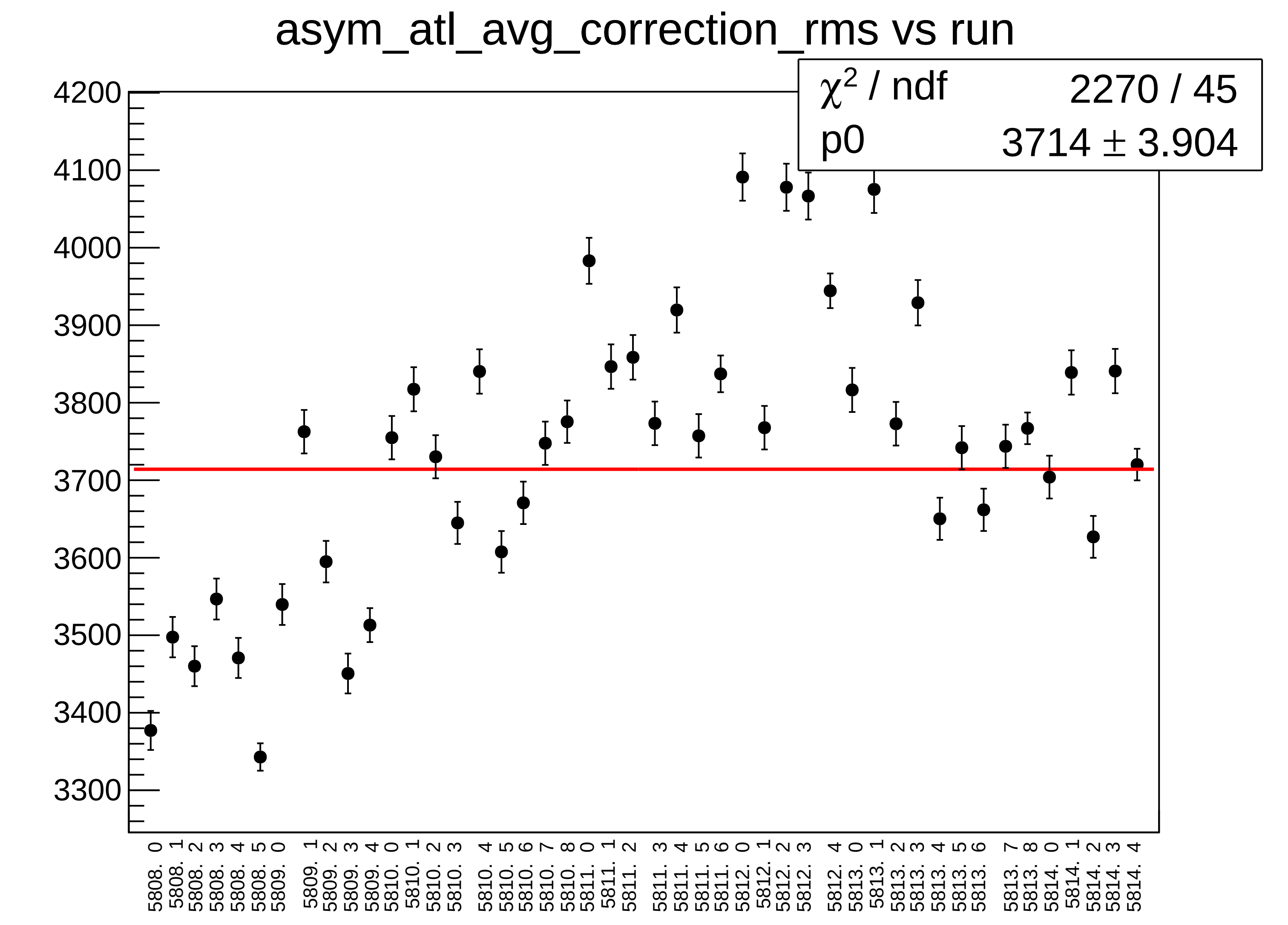

reg_asym_atl_avg_mean vs run
χ^2 / ndf 45.78 / 45
p0 −2609 ± 2950
pull
Entries 46
Mean −176.6
Std Dev 207.6
pull1D
Entries 46
Mean 0.008946
Std Dev 0.9976

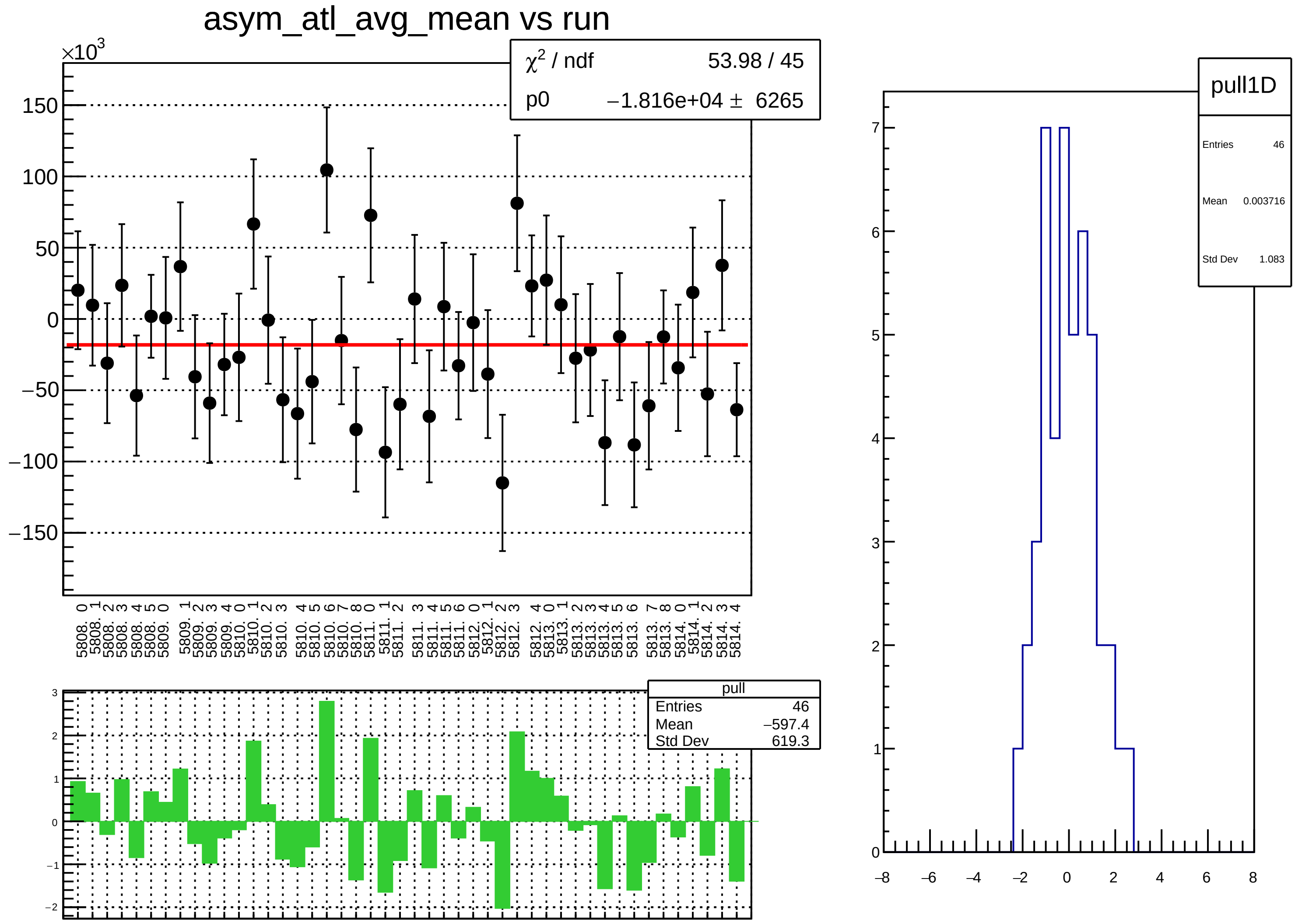


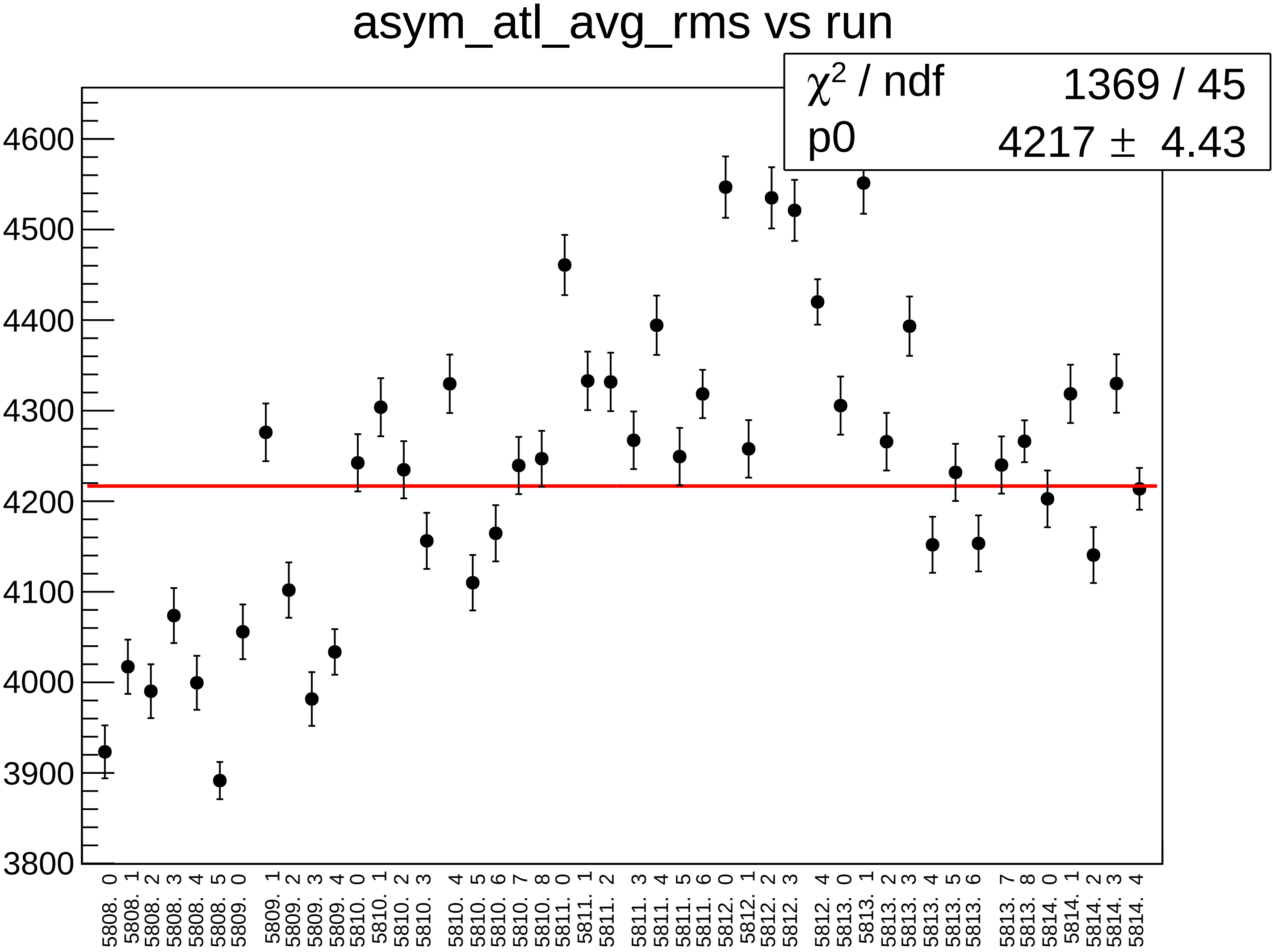
reg_asym_atl_avg_rms vs run
χ2 / ndf 51.17 / 45
p0 1987 ± 2.086
2040
2020
2000
1980
1960
1940
1920
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

asym_atl_avg_correction_mean vs run




asym_atl_avg_correction_rms vs run
χ2 / ndf 2270 / 45
p0 3714 ± 3.904
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300


asym_atl_avg_mean vs run
χ^2 / ndf 53.98 / 45
p0 −1.816e+04 ± 6265
pull
Entries 46
Mean −597.4
Std Dev 619.3
pull1D
Entries 46
Mean 0.003716
Std Dev 1.083



asym_atl_avg_rms vs run
χ2 / ndf 1369 / 45
p0 4217 ± 4.43
4600
4500
4400
4300
4200
4100
4000
3900
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
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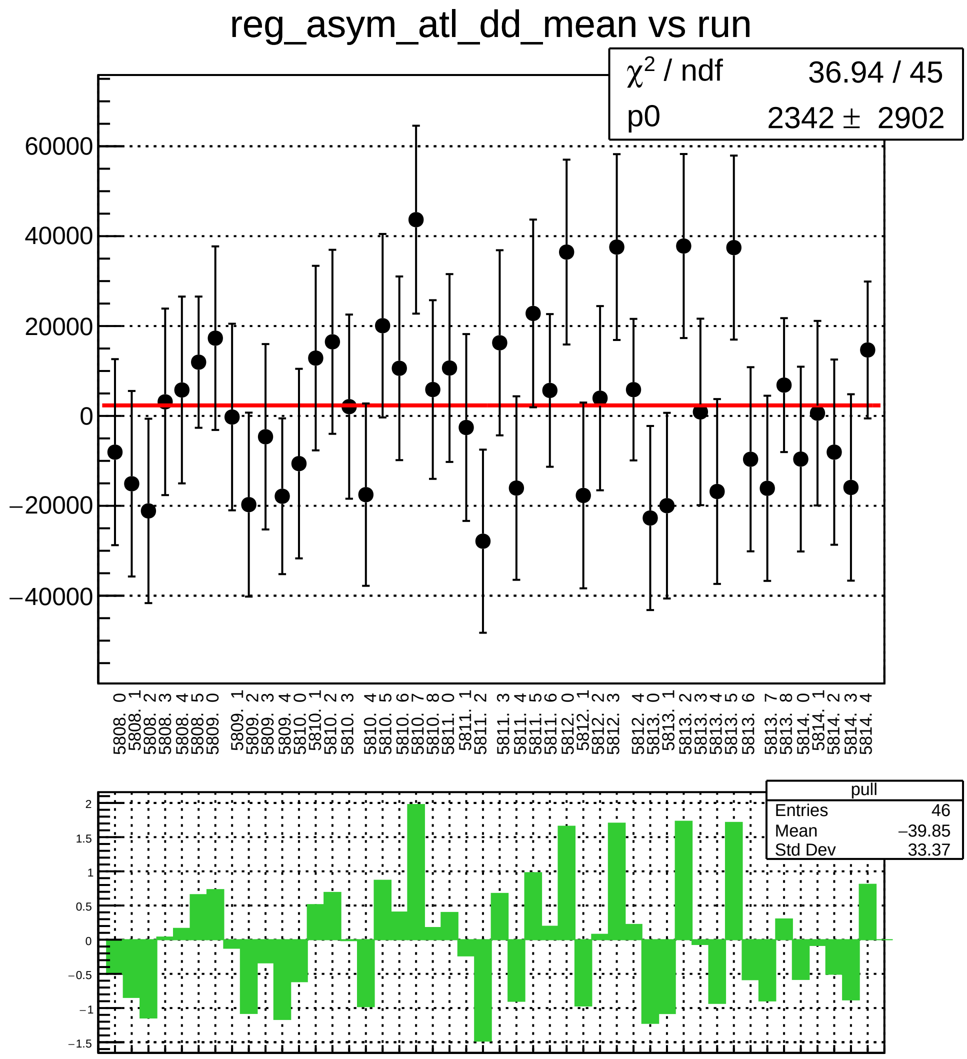
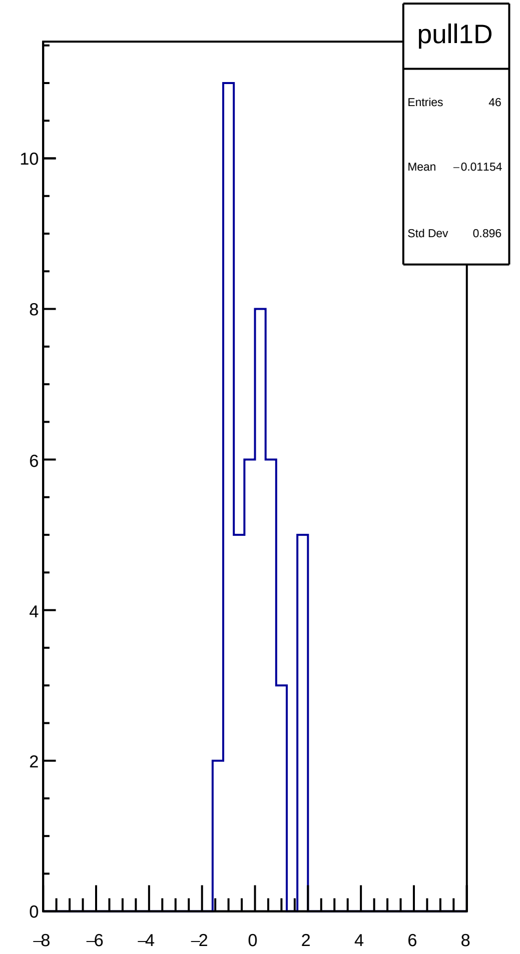
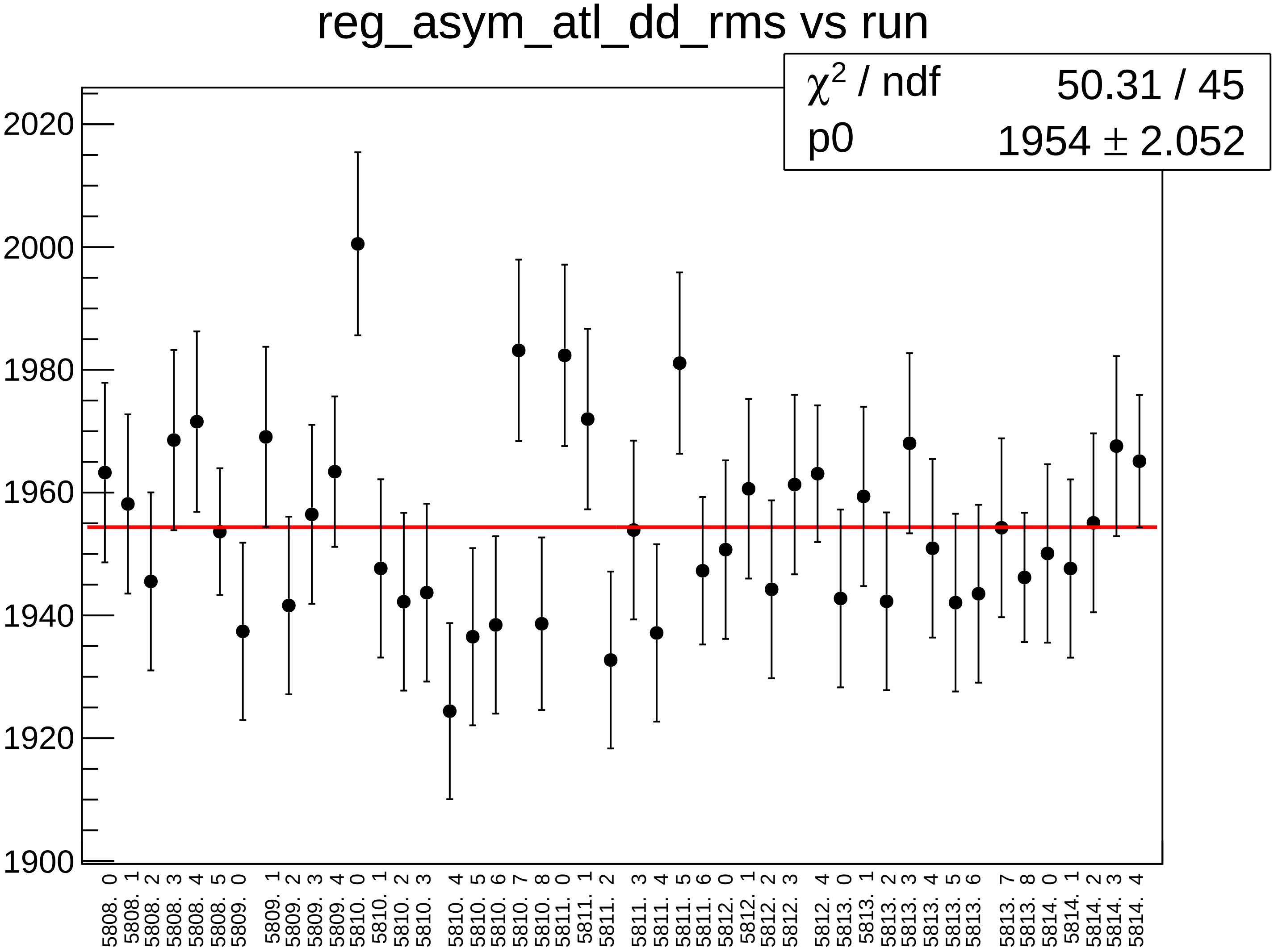
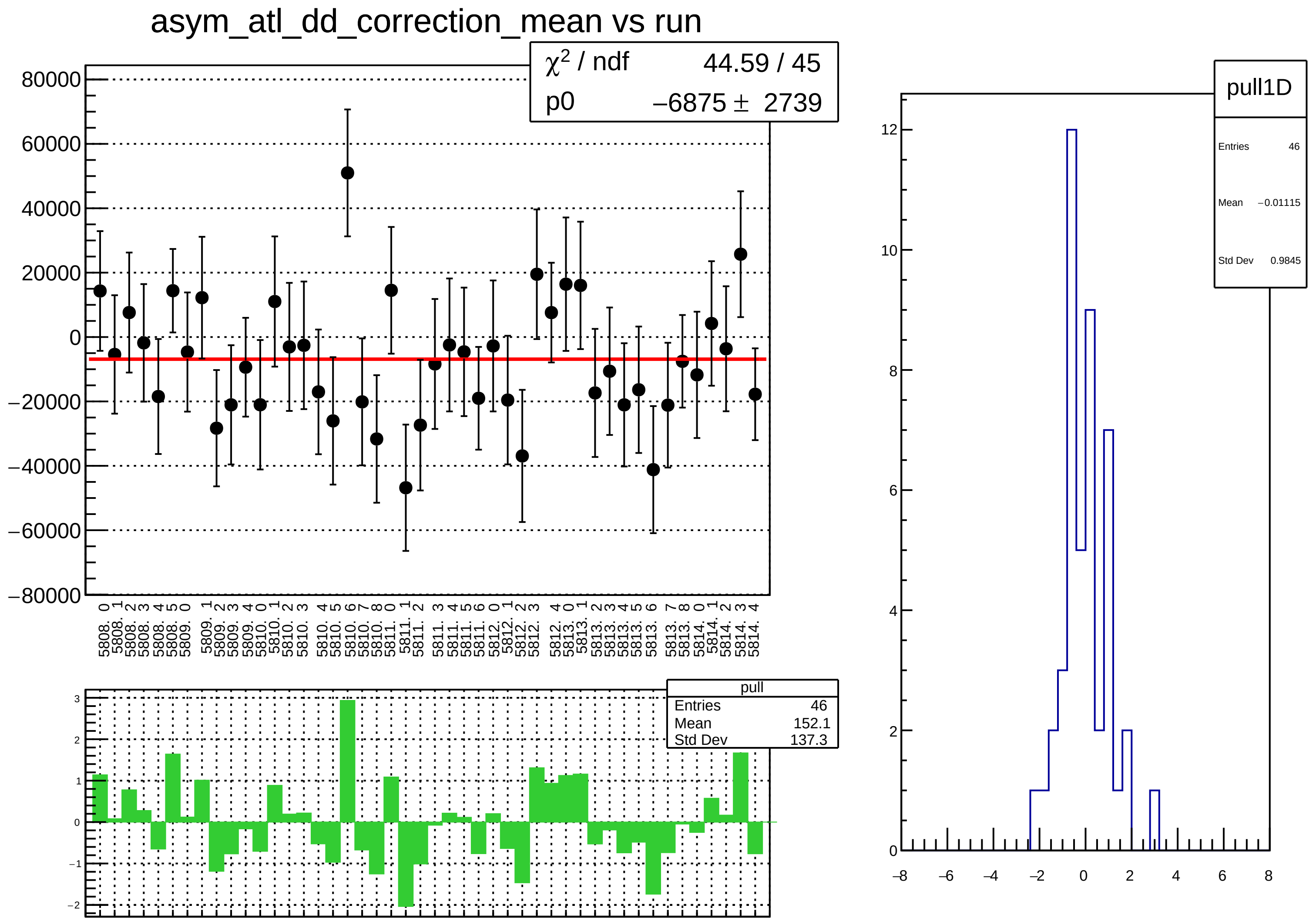
5814. 3
5814. 4


reg_asym_atl_dd_mean vs run
χ^2 / ndf 36.94 / 45
p0 2342 ± 2902
60000
40000
20000
0
−20000
−40000
pull
Entries 46
Mean −39.85
Std Dev 33.37

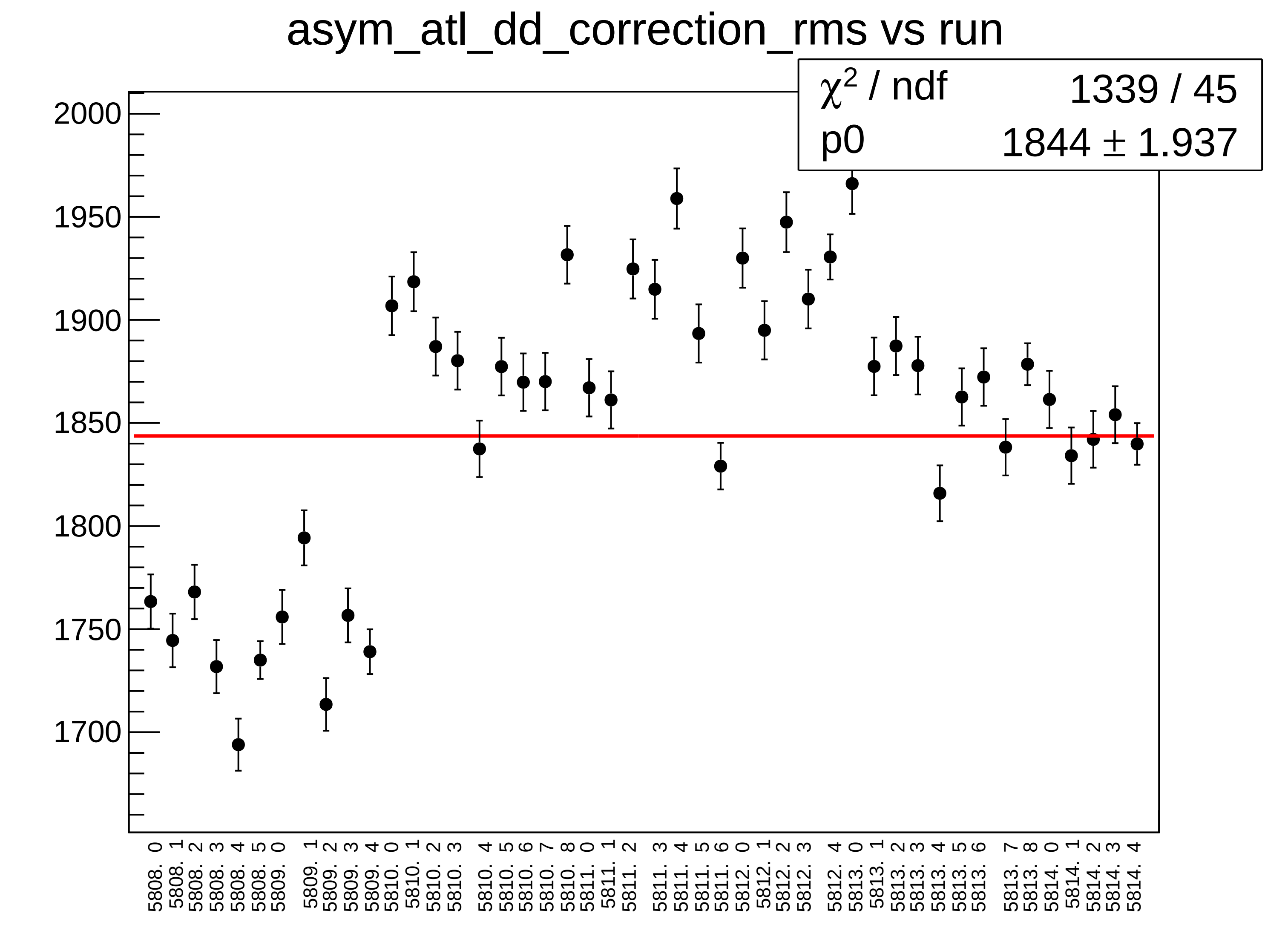

pull1D
Entries 46
Mean −0.01154
Std Dev 0.896



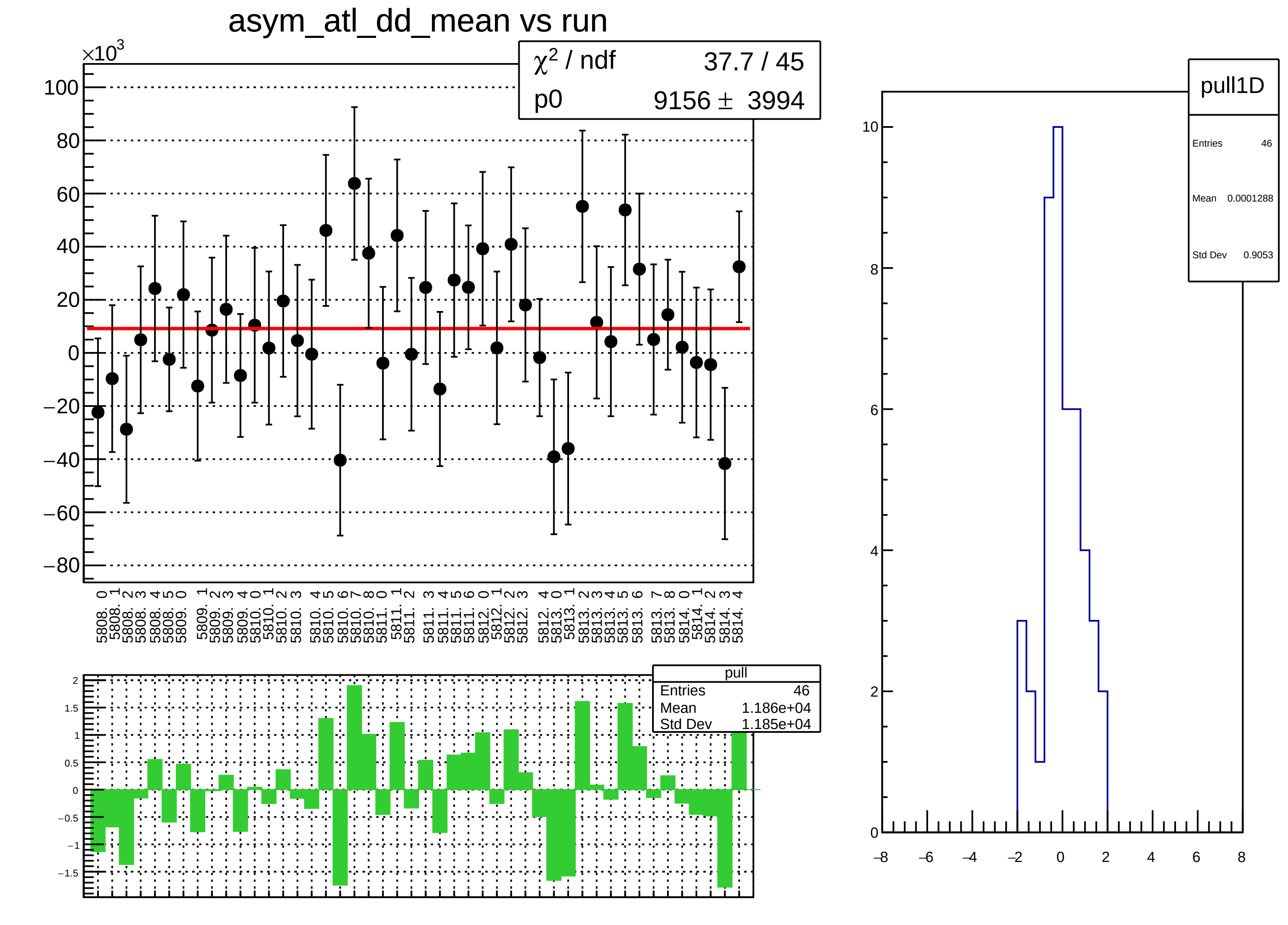
reg_asym_atl_dd_rms vs run
χ^2 / ndf 50.31 / 45
p0 1954 ± 2.052
2020
2000
1980
1960
1940
1920
1900

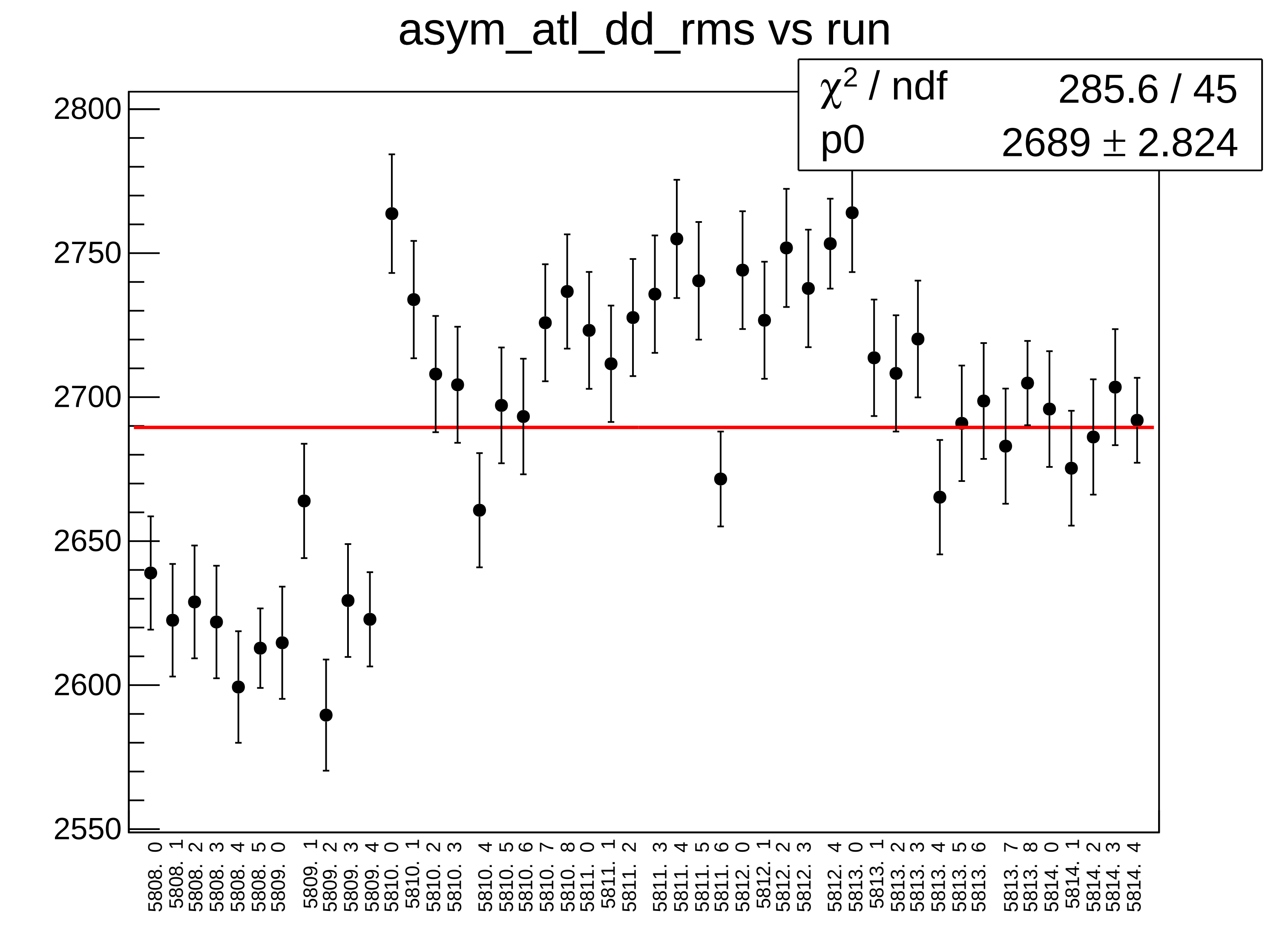


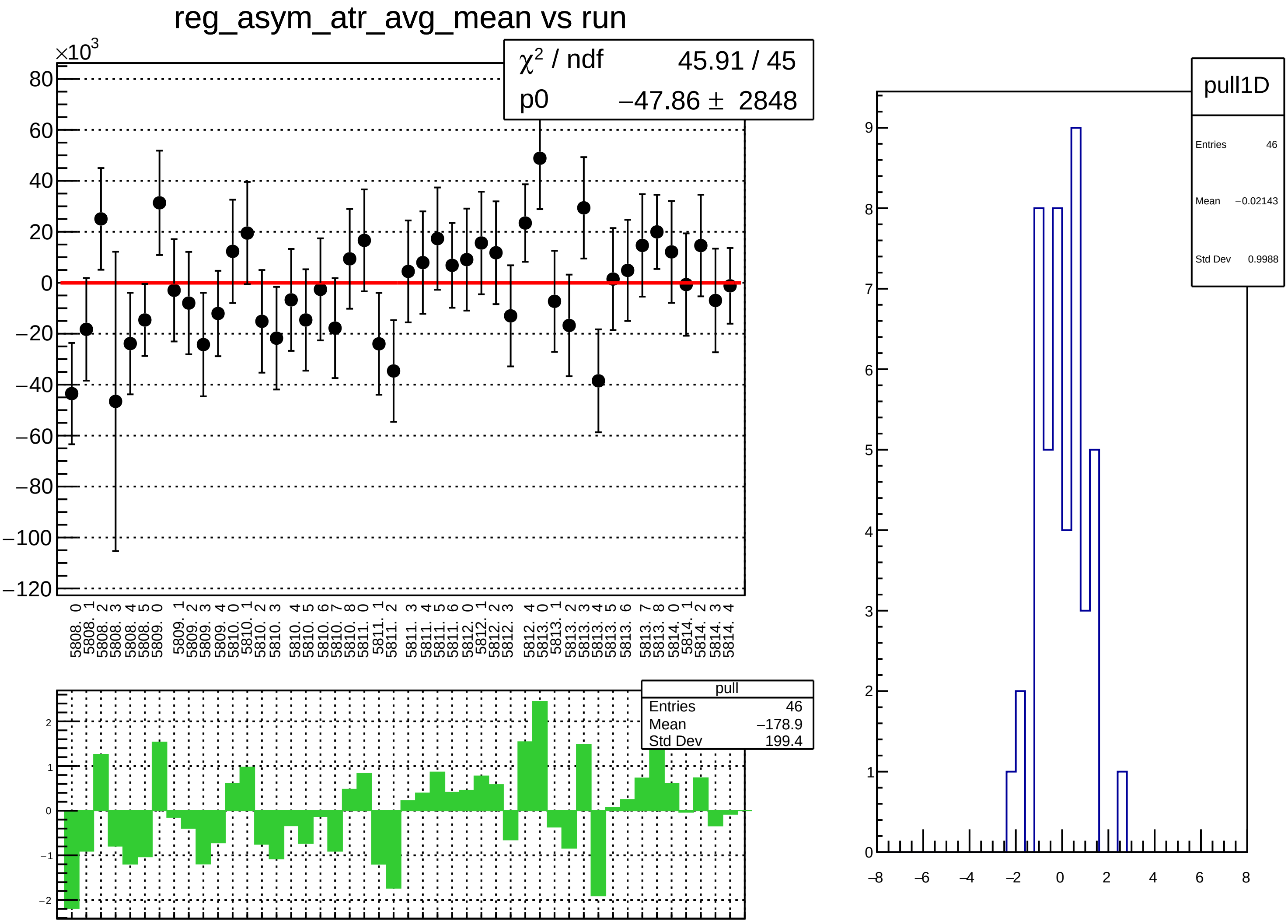
asym_atl_dd_correction_mean vs run
χ^2 / ndf 44.59 / 45
p0 −6875 ± 2739
pull
Entries 46
Mean 152.1
Std Dev 137.3
pull1D
Entries 46
Mean −0.01115
Std Dev 0.9845



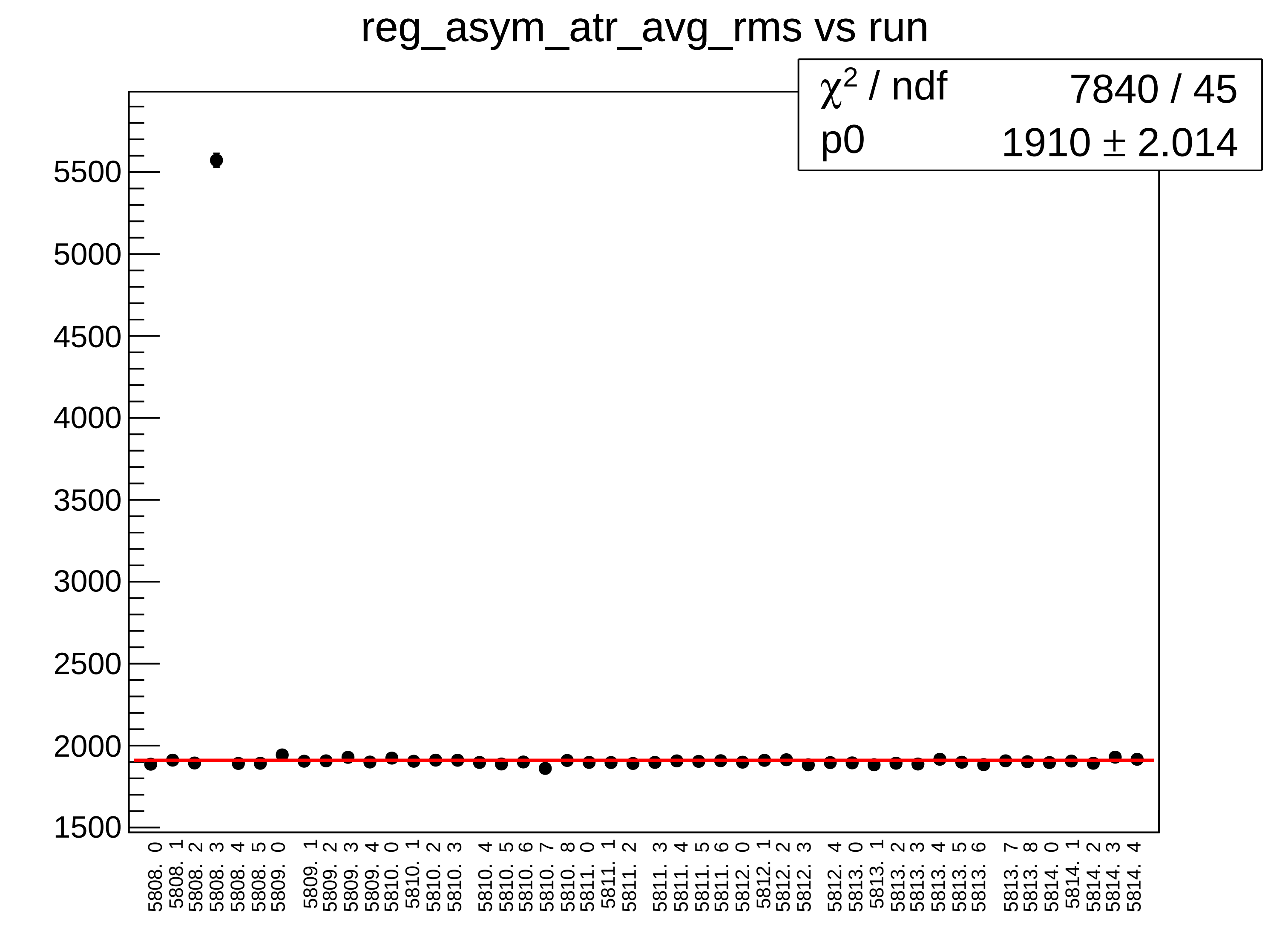
asym_atl_dd_correction_rms vs run
χ^2 / ndf 1339 / 45
p0 1844 ± 1.937
2000
1950
1900
1850
1800
1750
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 37.7 / 45
p0 9156 ± 3994
pull
Entries 46
Mean 1.186e+04
Std Dev 1.185e+04
pull1D
Entries 46
Mean 0.0001288
Std Dev 0.9053

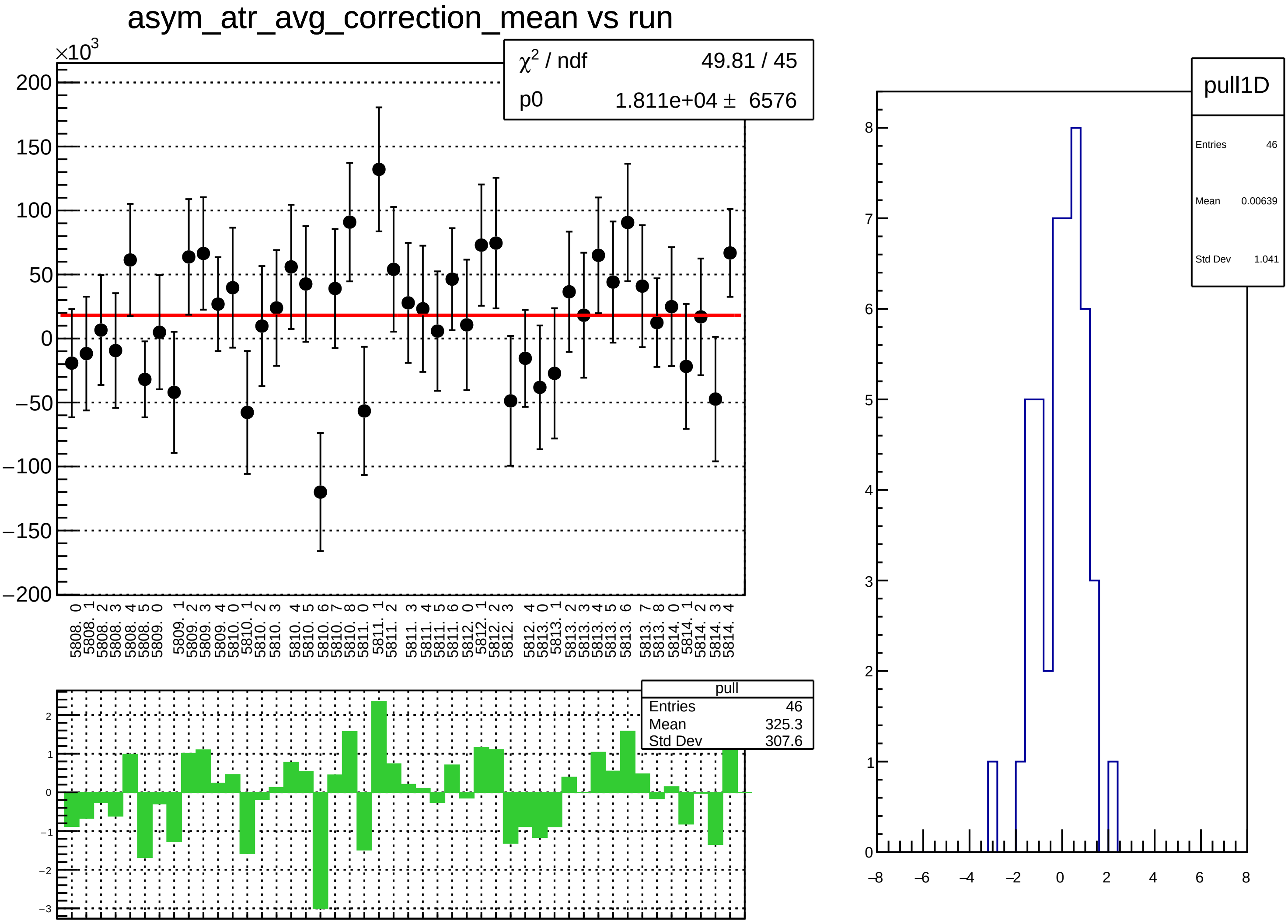

asym_atl_dd_rms vs run
χ^2 / ndf 285.6 / 45
p0 2689 ± 2.824
2800
2750
2700
2650
2600
2550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



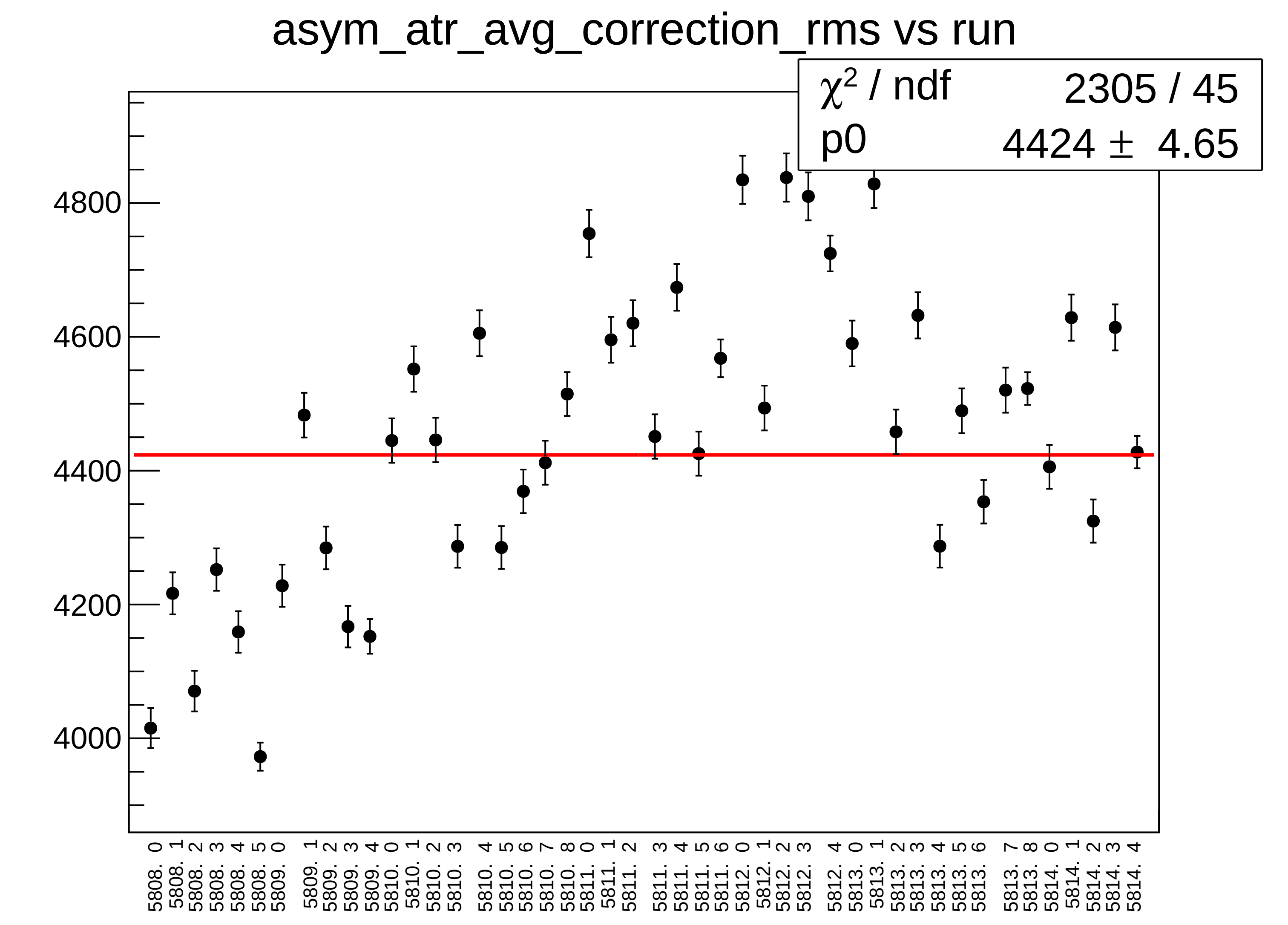
reg_asym_atr_avg_mean vs run
χ2 / ndf 45.91 / 45
p0 −47.86 ± 2848
×10^3
pull
Entries 46
Mean −178.9
Std Dev 199.4
pull1D
Entries 46
Mean −0.02143
Std Dev 0.9988



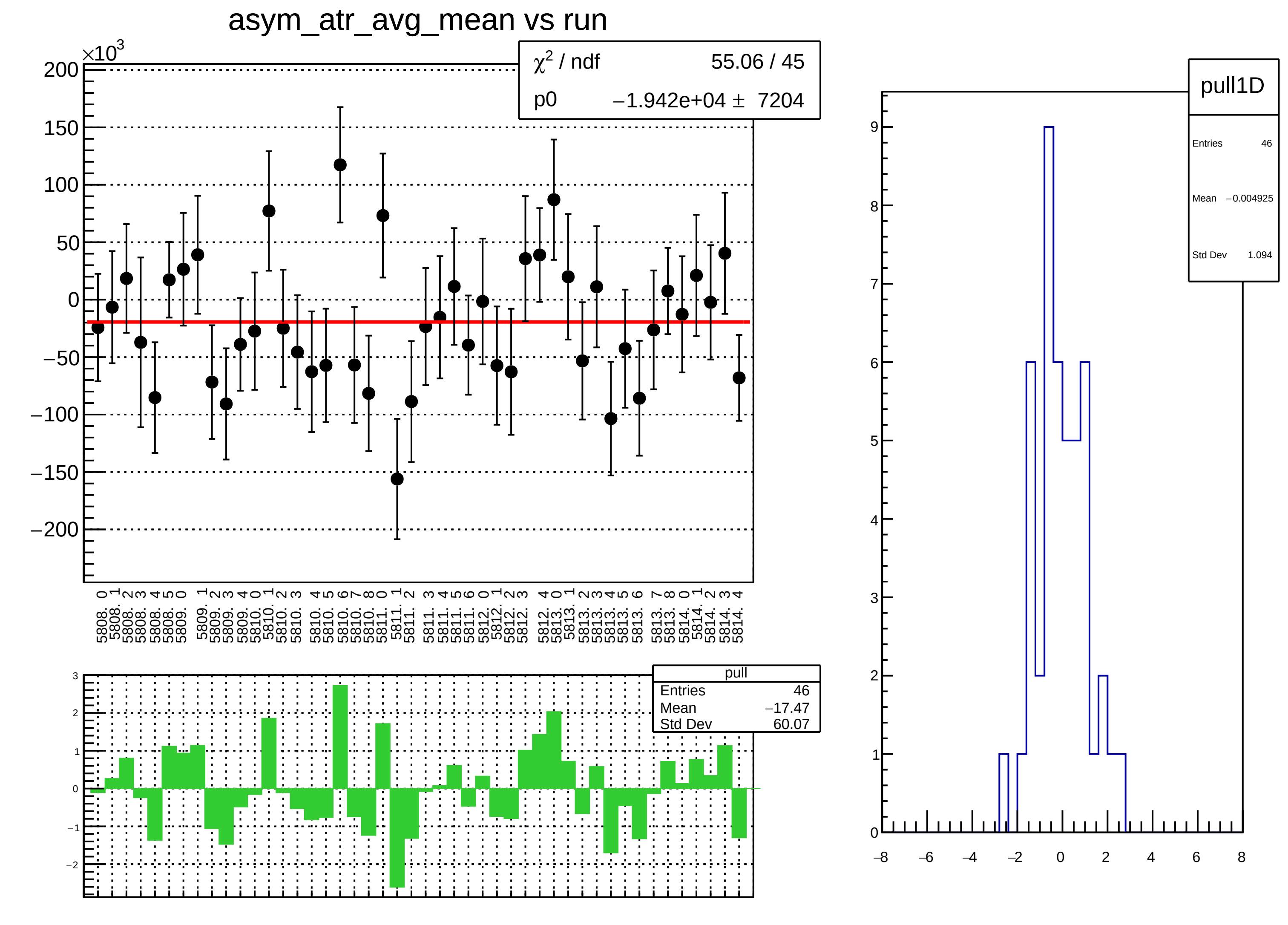
reg_asym_atr_avg_rms vs run
χ2 / ndf 7840 / 45
p0 1910 ± 2.014
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



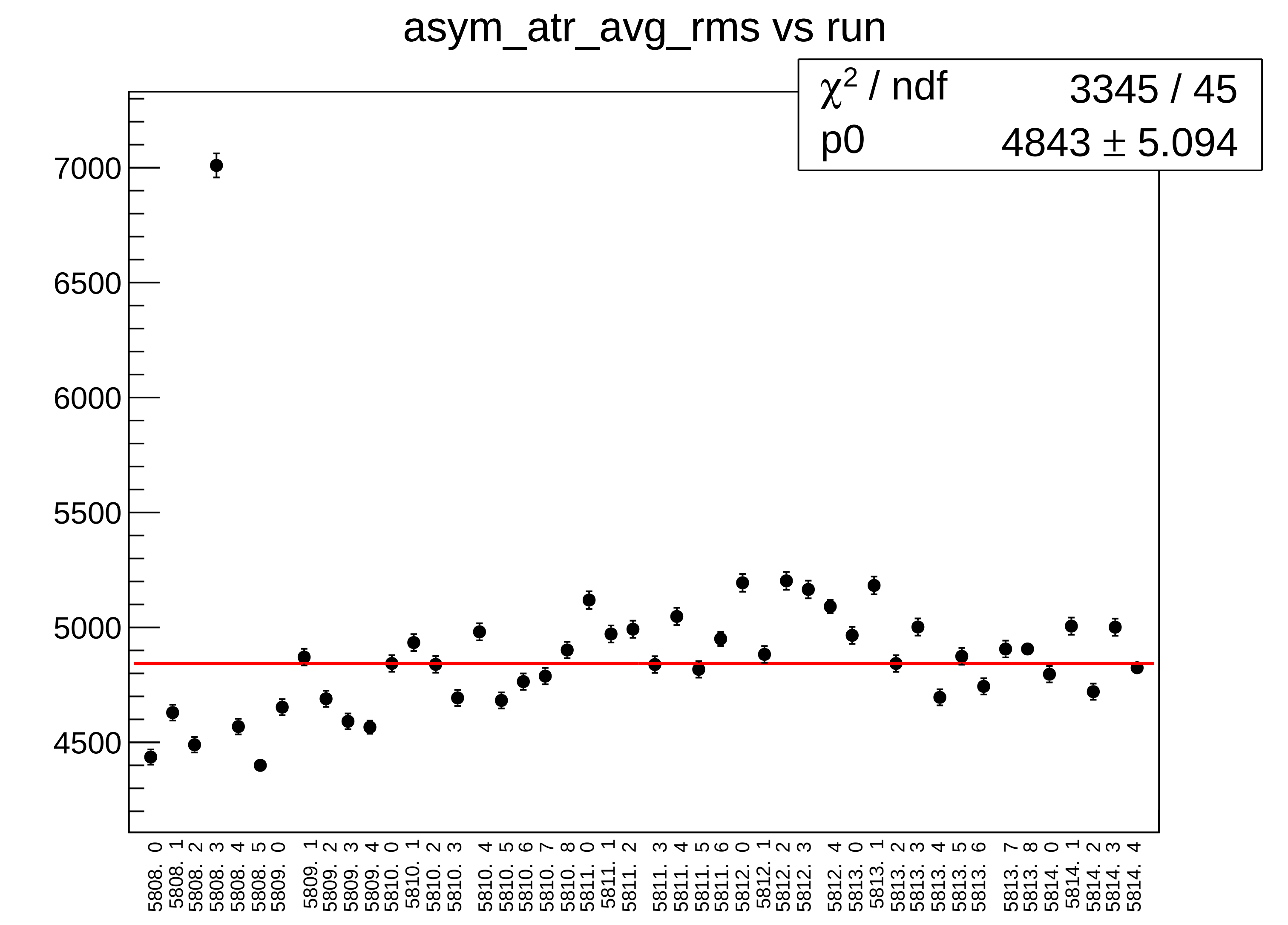
asym_atr_avg_correction_mean vs run
$\times 10^3$
χ^2 / ndf 49.81 / 45
p0 1.811e+04 ± 6576
pull
Entries 46
Mean 325.3
Std Dev 307.6
pull1D
Entries 46
Mean 0.00639
Std Dev 1.041

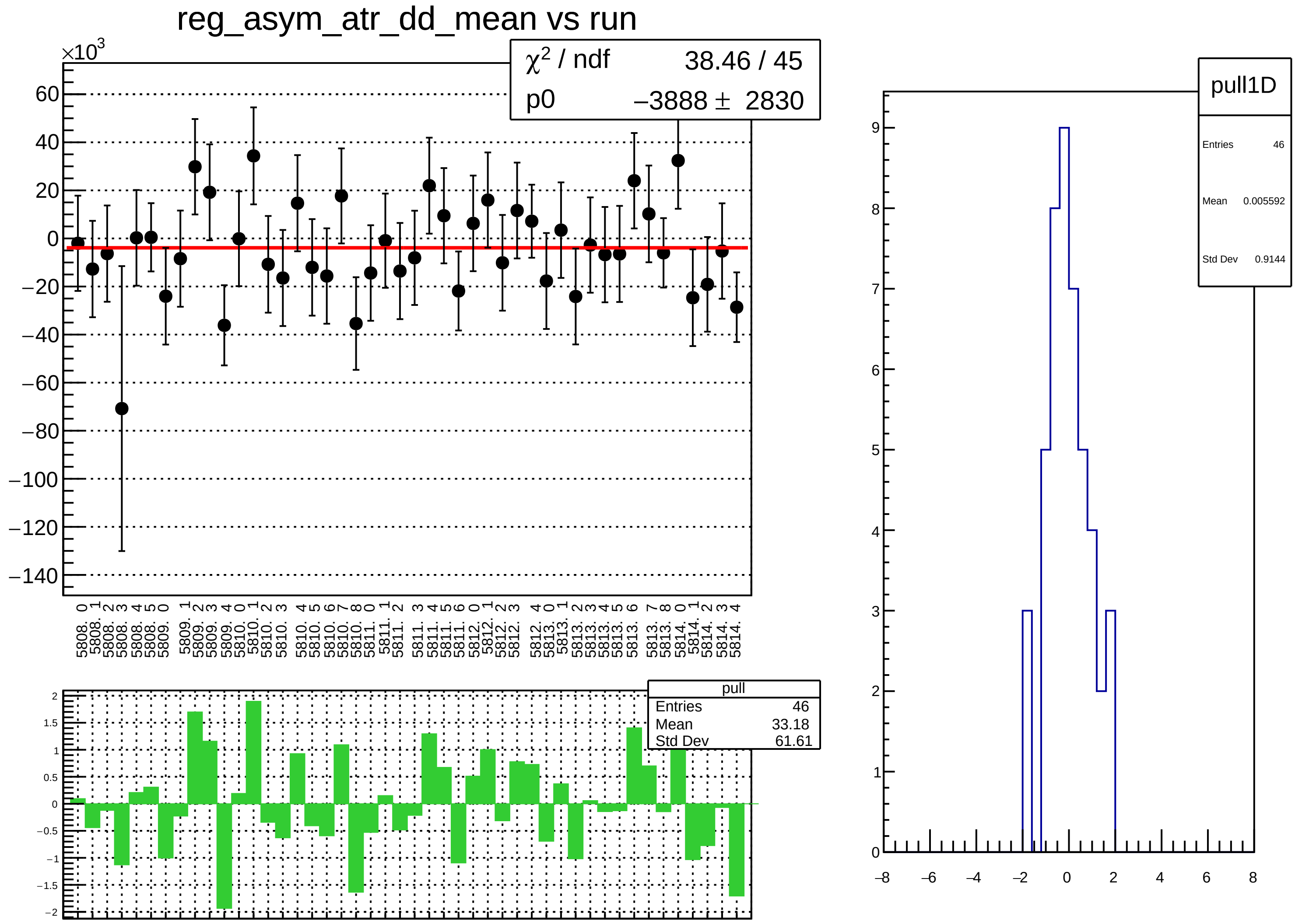


asym_atr_avg_correction_rms vs run
χ^2 / ndf 2305 / 45
p0 4424 ± 4.65
4000
4200
4400
4600
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

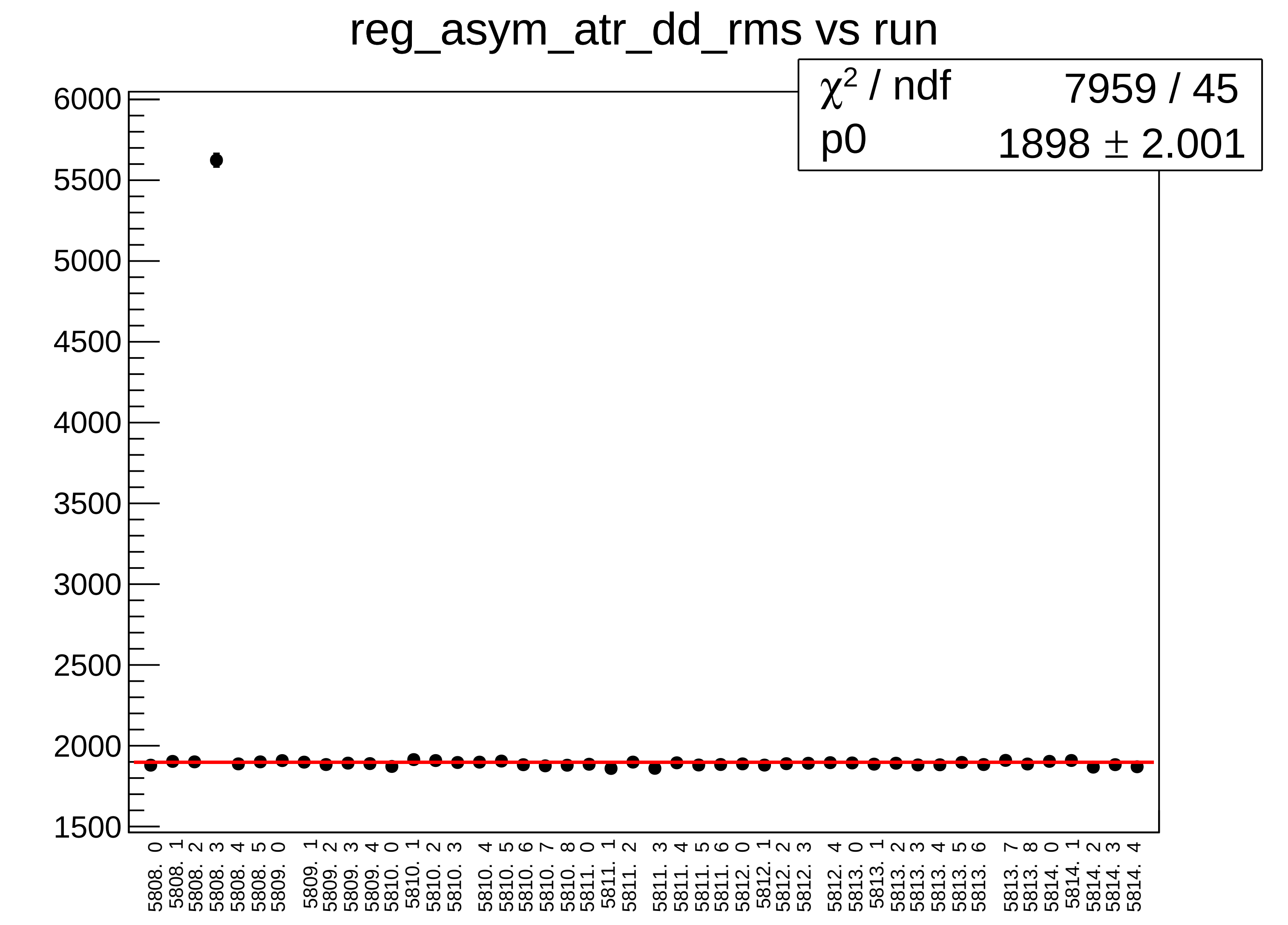


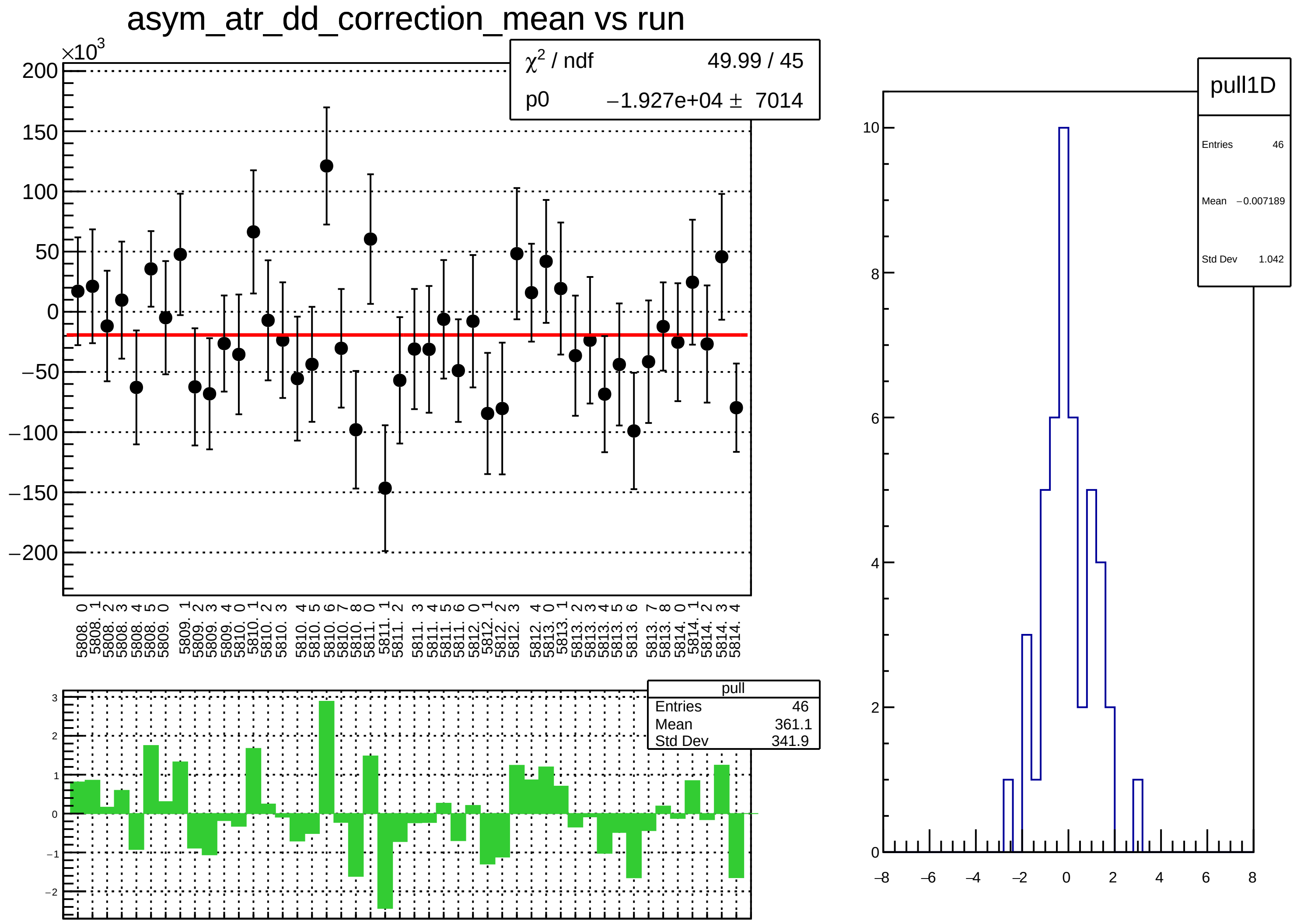
asym_atr_avg_mean vs run
×10^3
χ2 / ndf 55.06 / 45
p0 −1.942e+04 ± 7204
pull
Entries 46
Mean −17.47
Std Dev 60.07
pull1D
Entries 46
Mean −0.004925
Std Dev 1.094

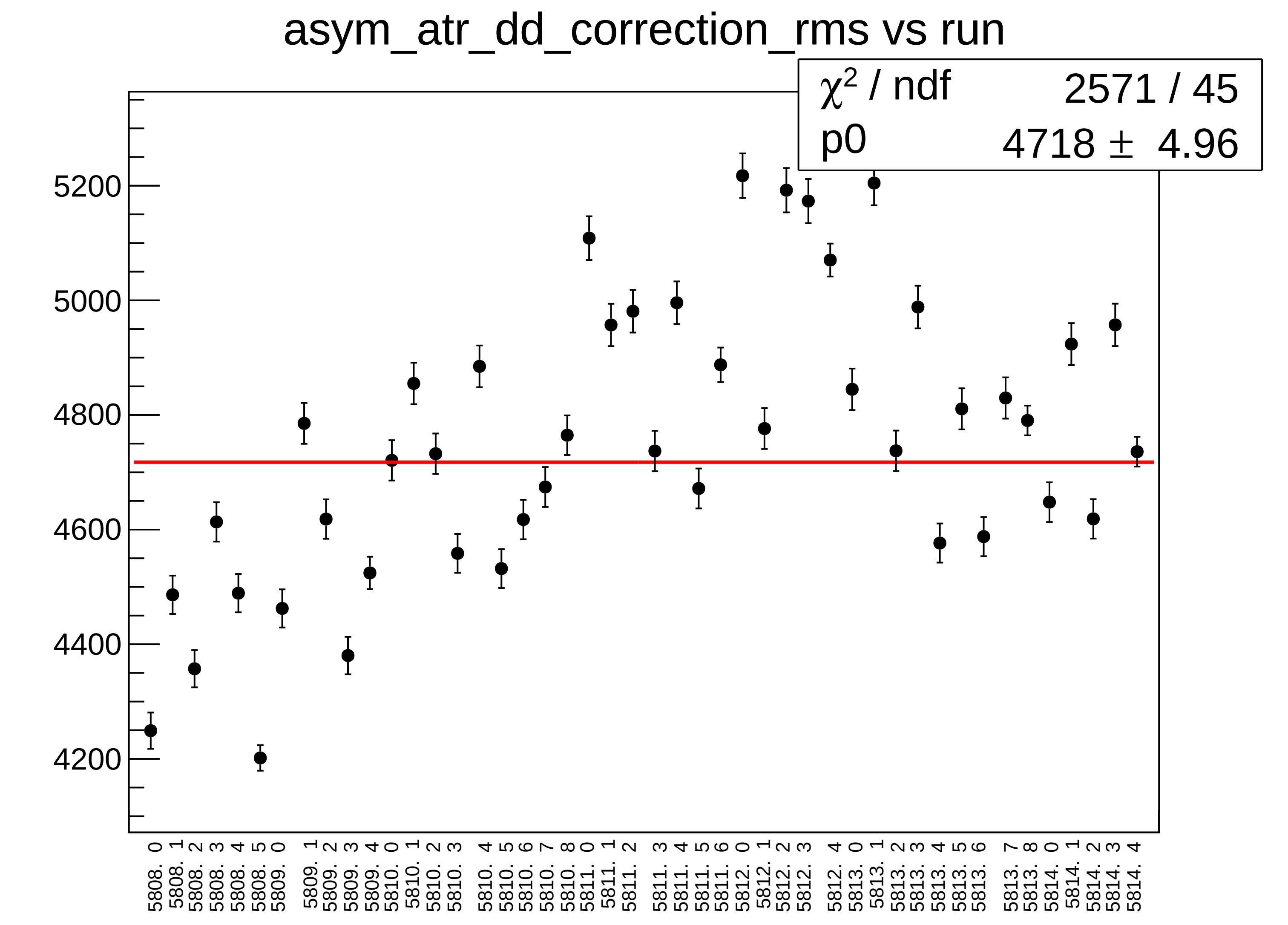

asym_atr_avg_rms vs run
χ2 / ndf 3345 / 45
p0 4843 ± 5.094
7000
6500
6000
5500
5000
4500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

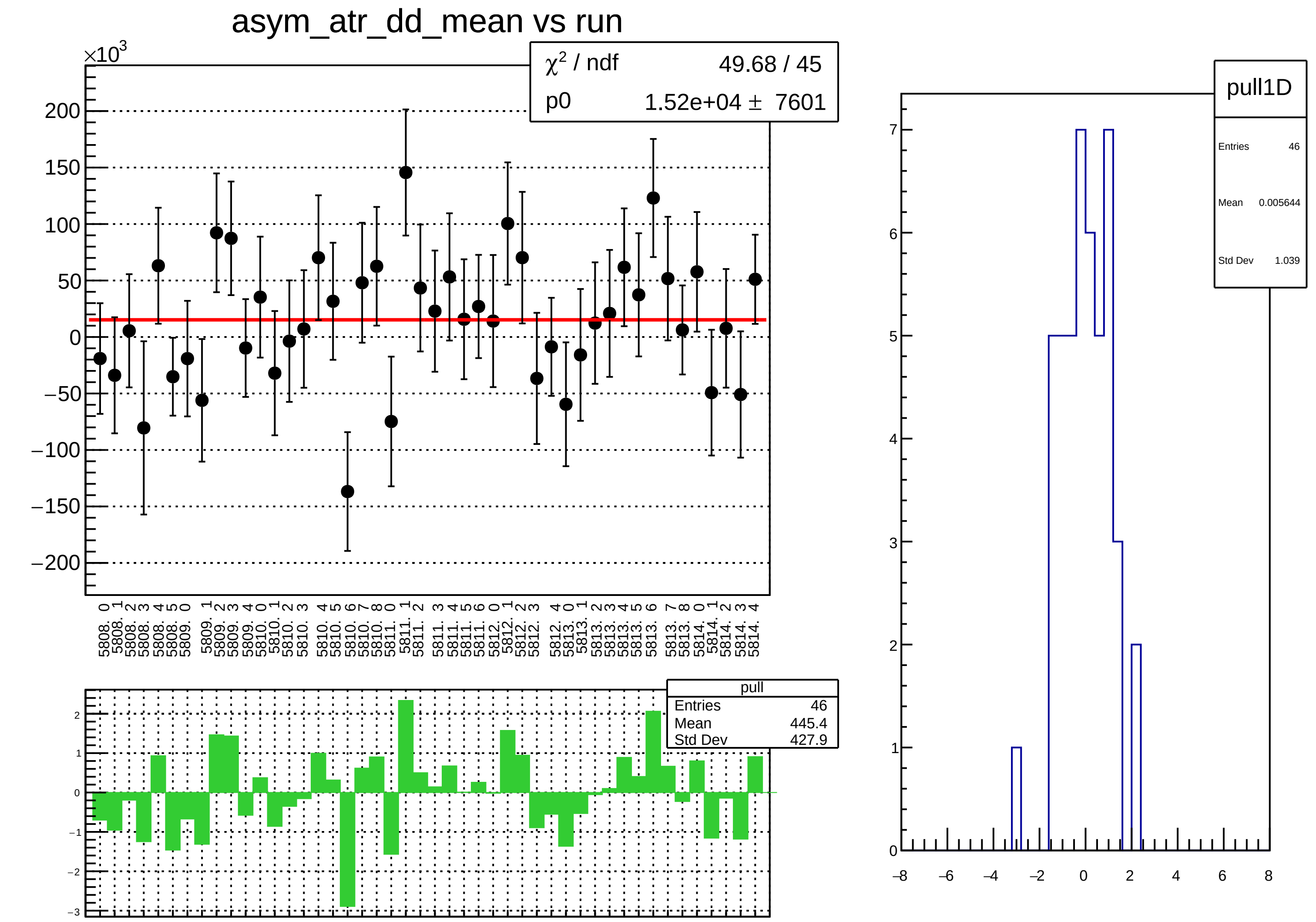


reg_asym_atr_dd_mean vs run
χ^2 / ndf 38.46 / 45
p0 −3888 ± 2830
pull
Entries 46
Mean 33.18
Std Dev 61.61
pull1D
Entries 46
Mean 0.005592
Std Dev 0.9144

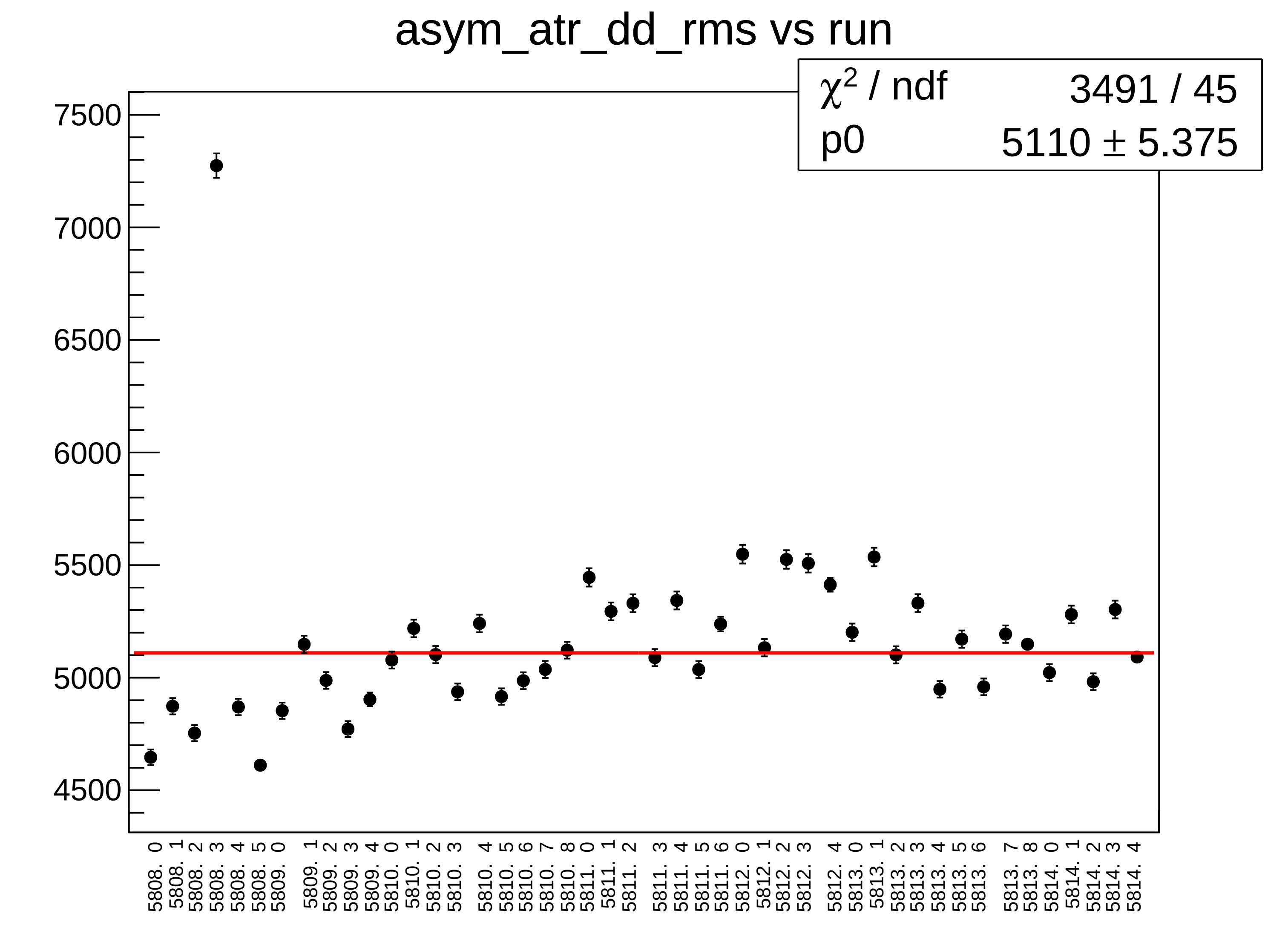

reg_asym_atr_dd_rms vs run
χ2 / ndf 7959 / 45
p0 1898 ± 2.001
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_atr_dd_correction_mean vs run
×10^3
χ2 / ndf 49.99 / 45
p0 −1.927e+04 ± 7014
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 361.1
Std Dev 341.9
3
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.007189
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

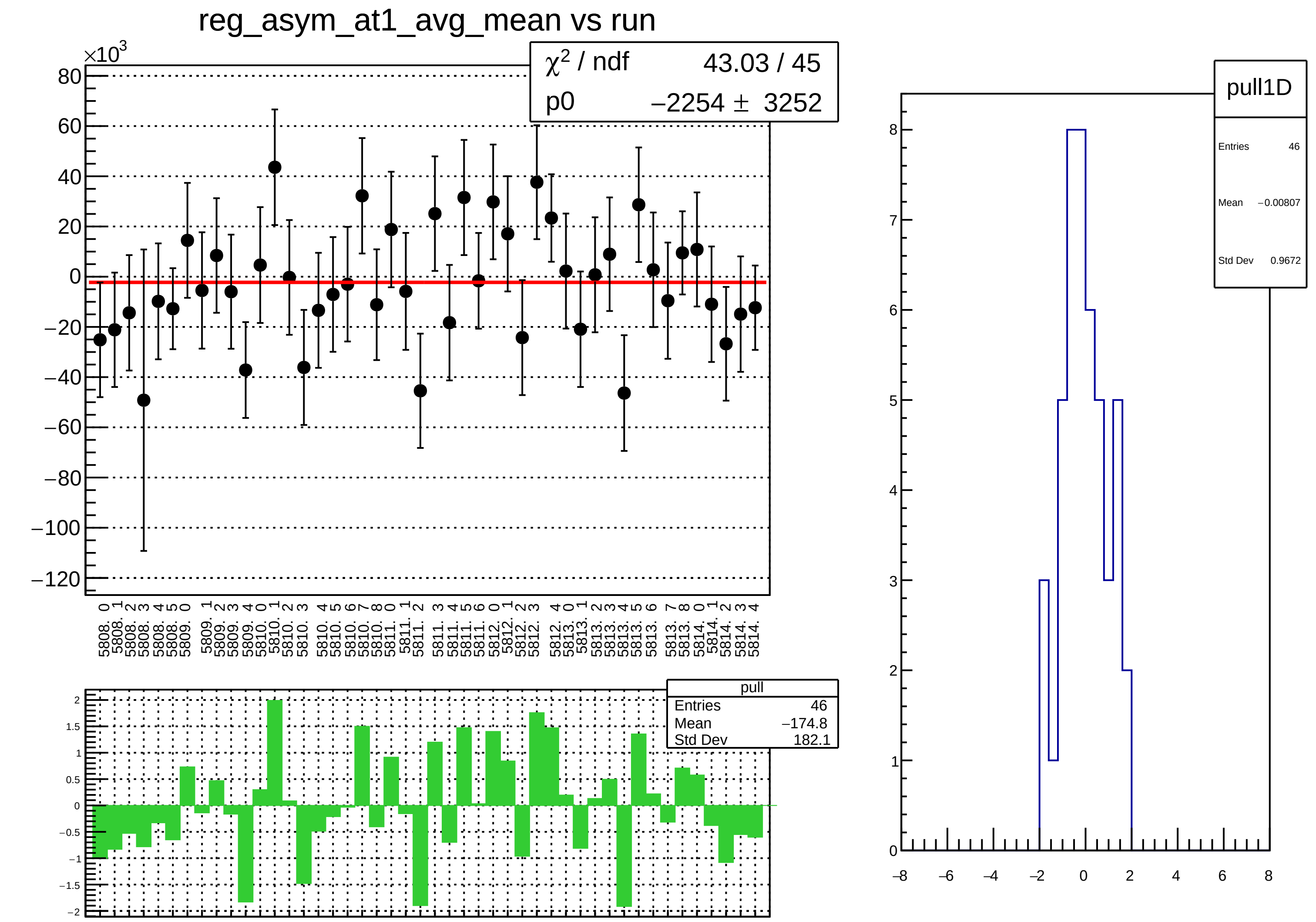

asym_atr_dd_correction_rms vs run
χ2 / ndf 2571 / 45
p0 4718 ± 4.96
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

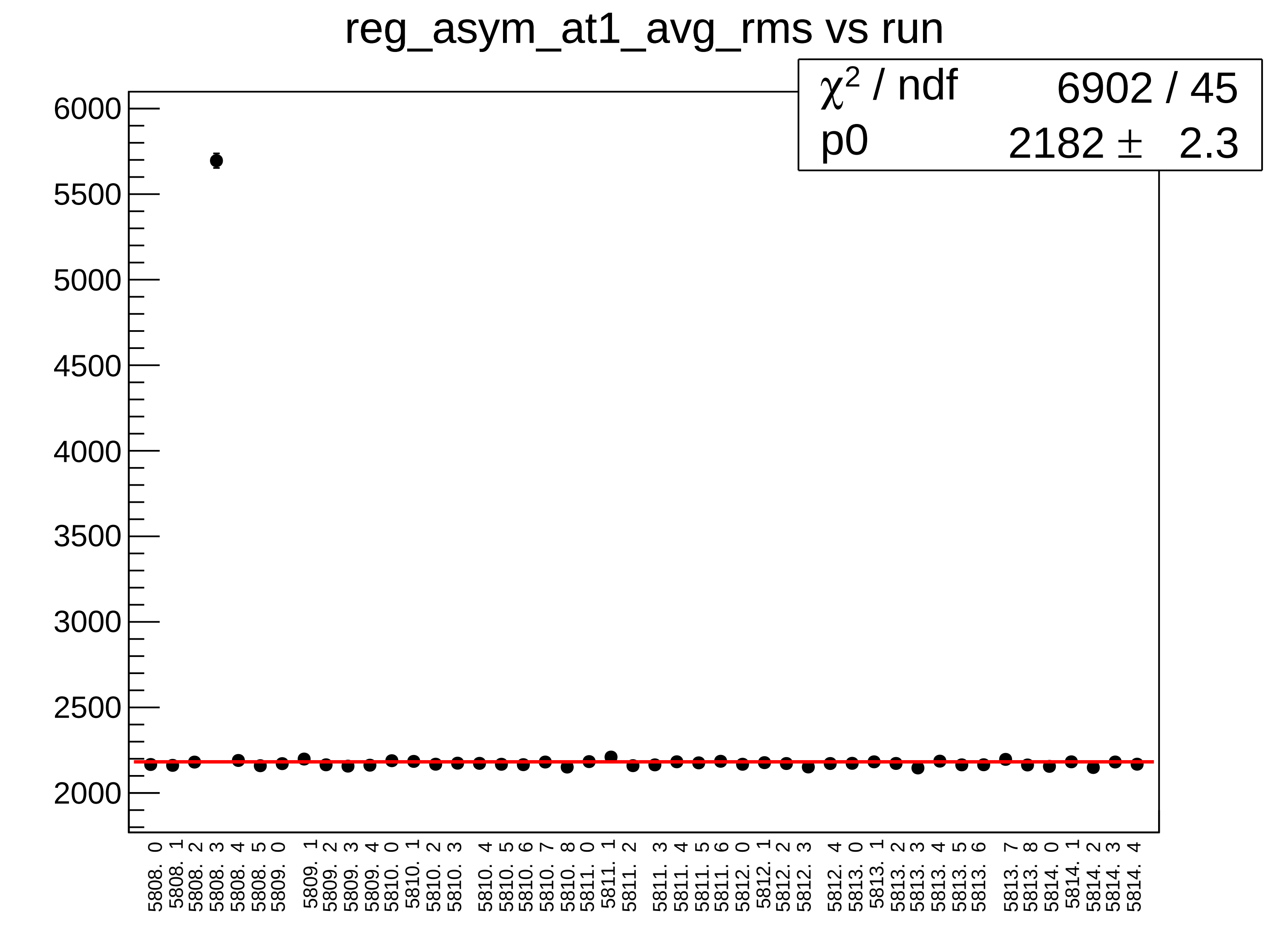


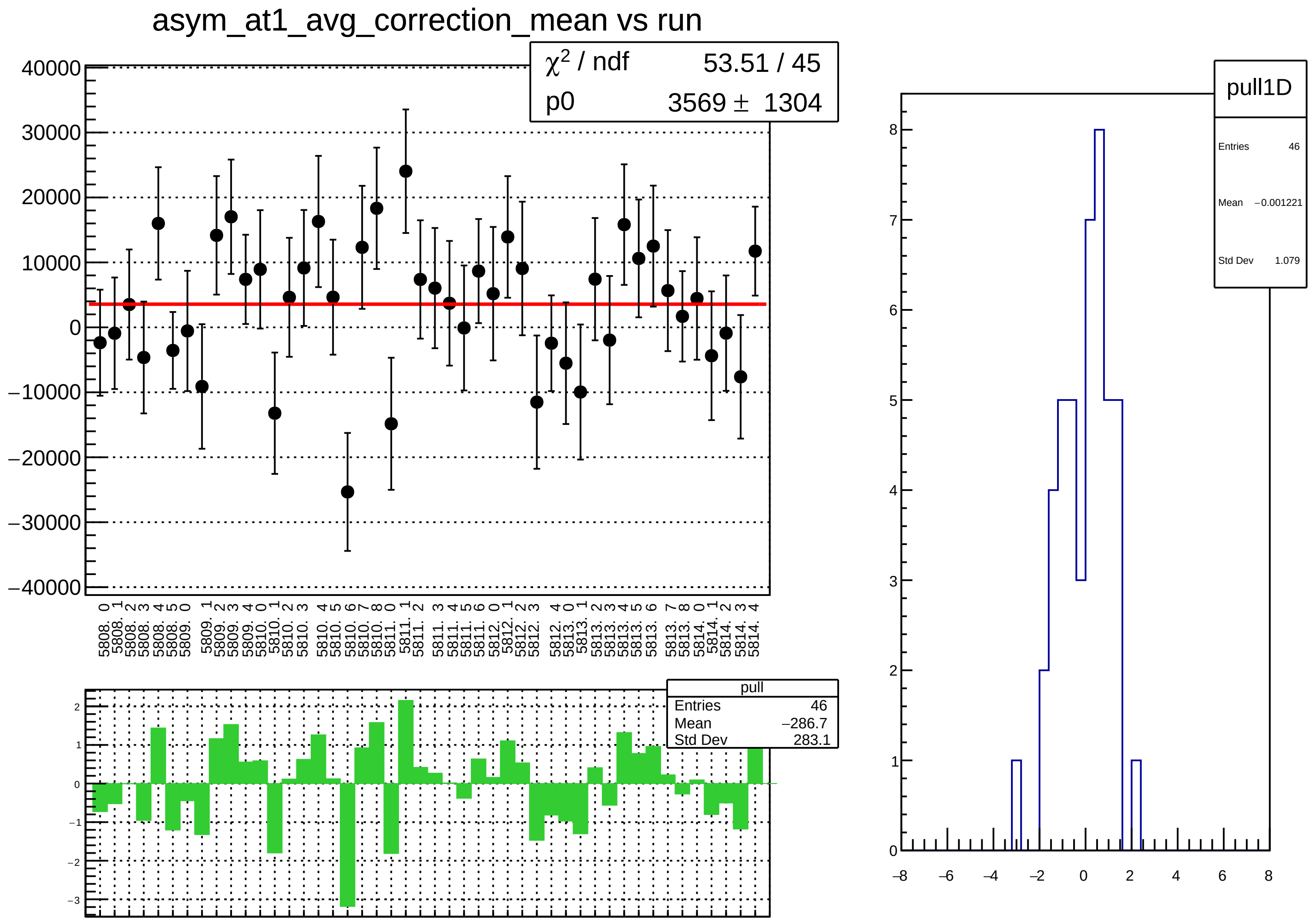
asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 49.68 / 45
p0 1.52e+04 ± 7601
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 445.4
Std Dev 427.9
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.005644
Std Dev 1.039
7
6
5
4
3
2
1
0
−8 −6 −4 −2 0 2 4 6 8



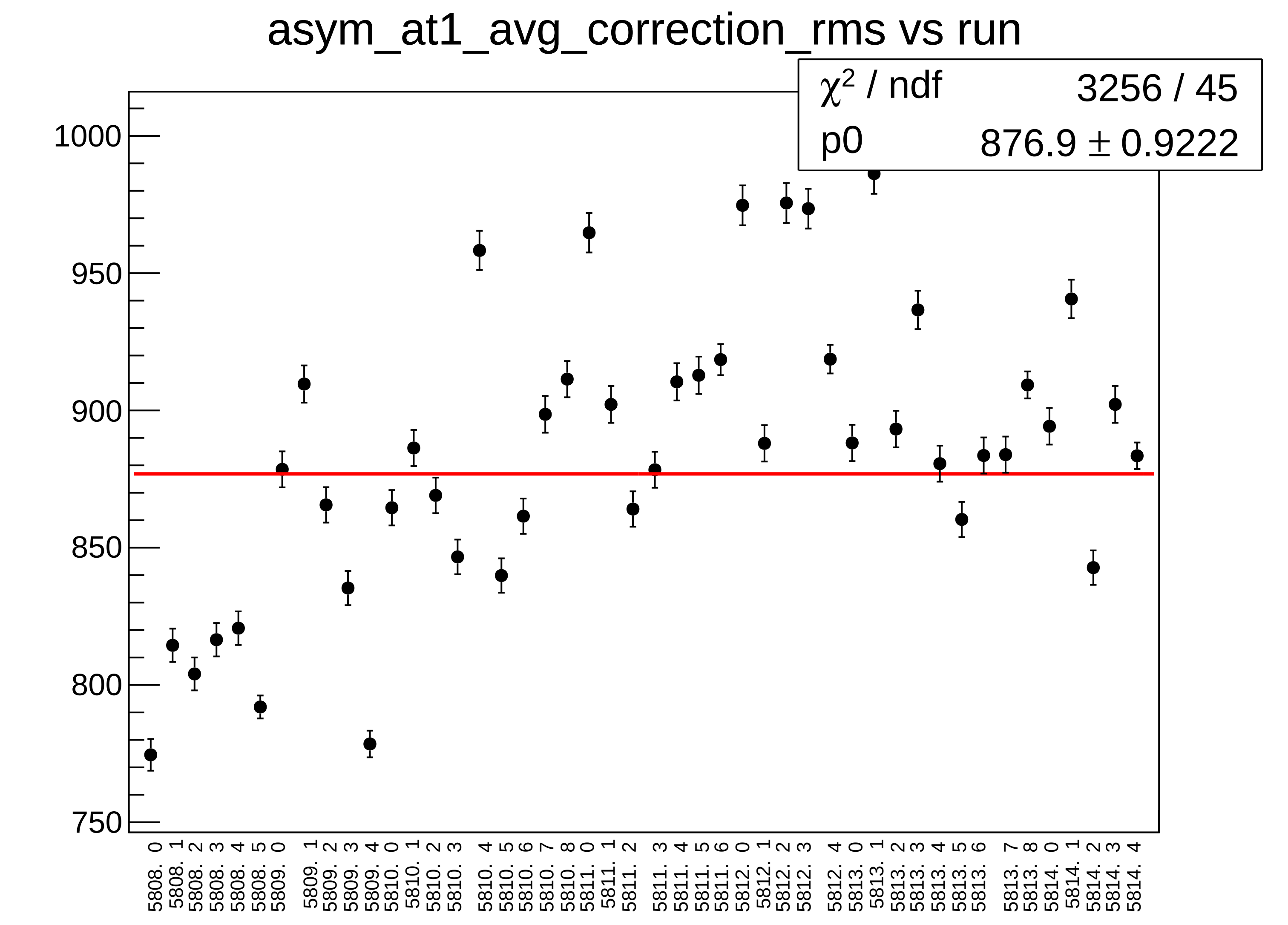
asym_atr_dd_rms vs run
χ^2 / ndf 3491 / 45
p0 5110 ± 5.375
7500
7000
6500
6000
5500
5000
4500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


reg_asym_at1_avg_mean vs run
χ2 / ndf 43.03 / 45
p0 −2254 ± 3252
pull
Entries 46
Mean −174.8
Std Dev 182.1
pull1D
Entries 46
Mean −0.00807
Std Dev 0.9672

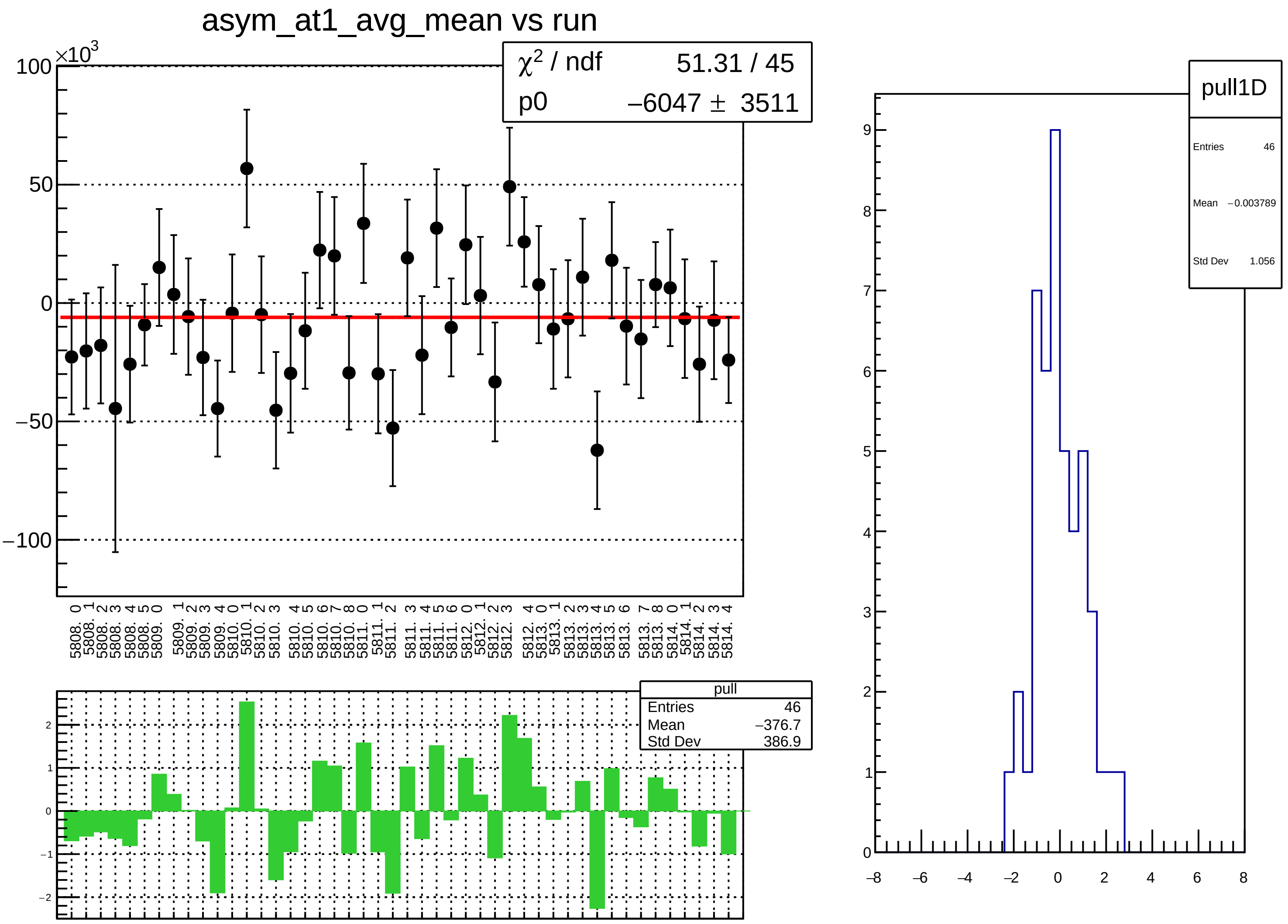

reg_asym_at1_avg_rms vs run
χ^2 / ndf 6902 / 45
p0 2182 ± 2.3
6000
5500
5000
4500
4000
3500
3000
2500
2000

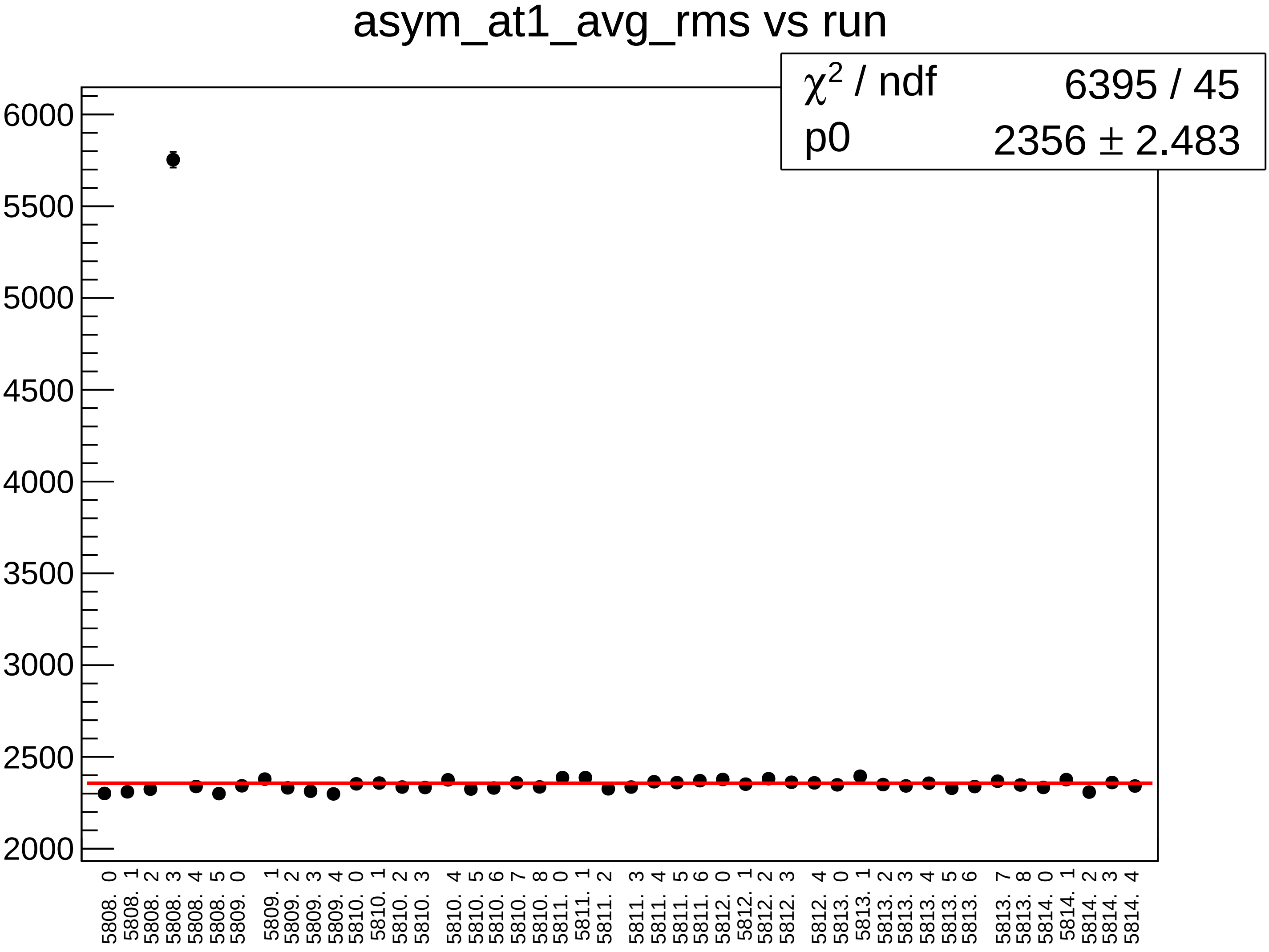


asym_at1_avg_correction_mean vs run
χ^2 / ndf 53.51 / 45
p0 3569 ± 1304
pull
Entries 46
Mean −286.7
Std Dev 283.1
pull1D
Entries 46
Mean −0.001221
Std Dev 1.079

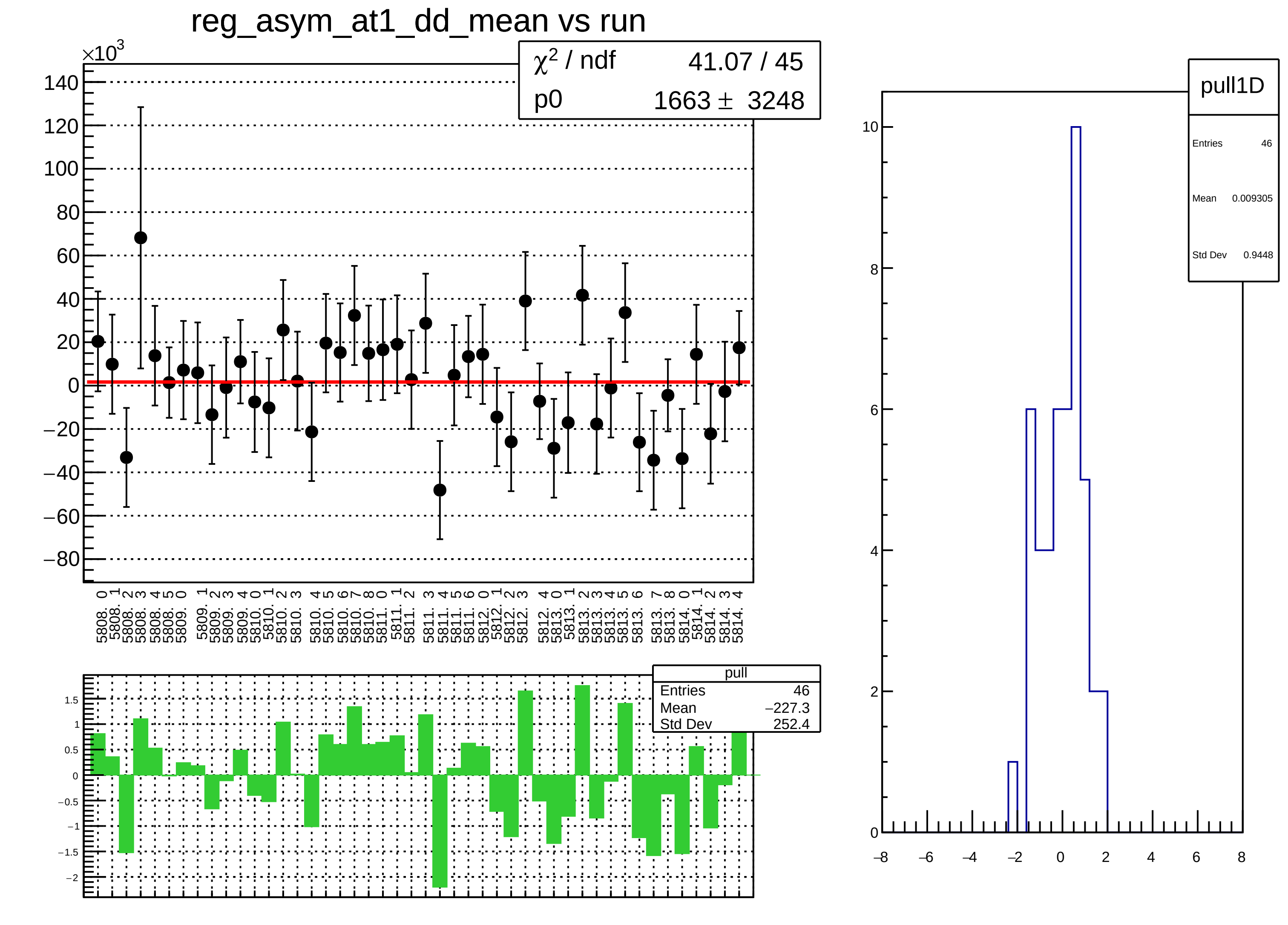


asym_at1_avg_correction_rms vs run
χ^2 / ndf 3256 / 45
p0 876.9 ± 0.9222
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

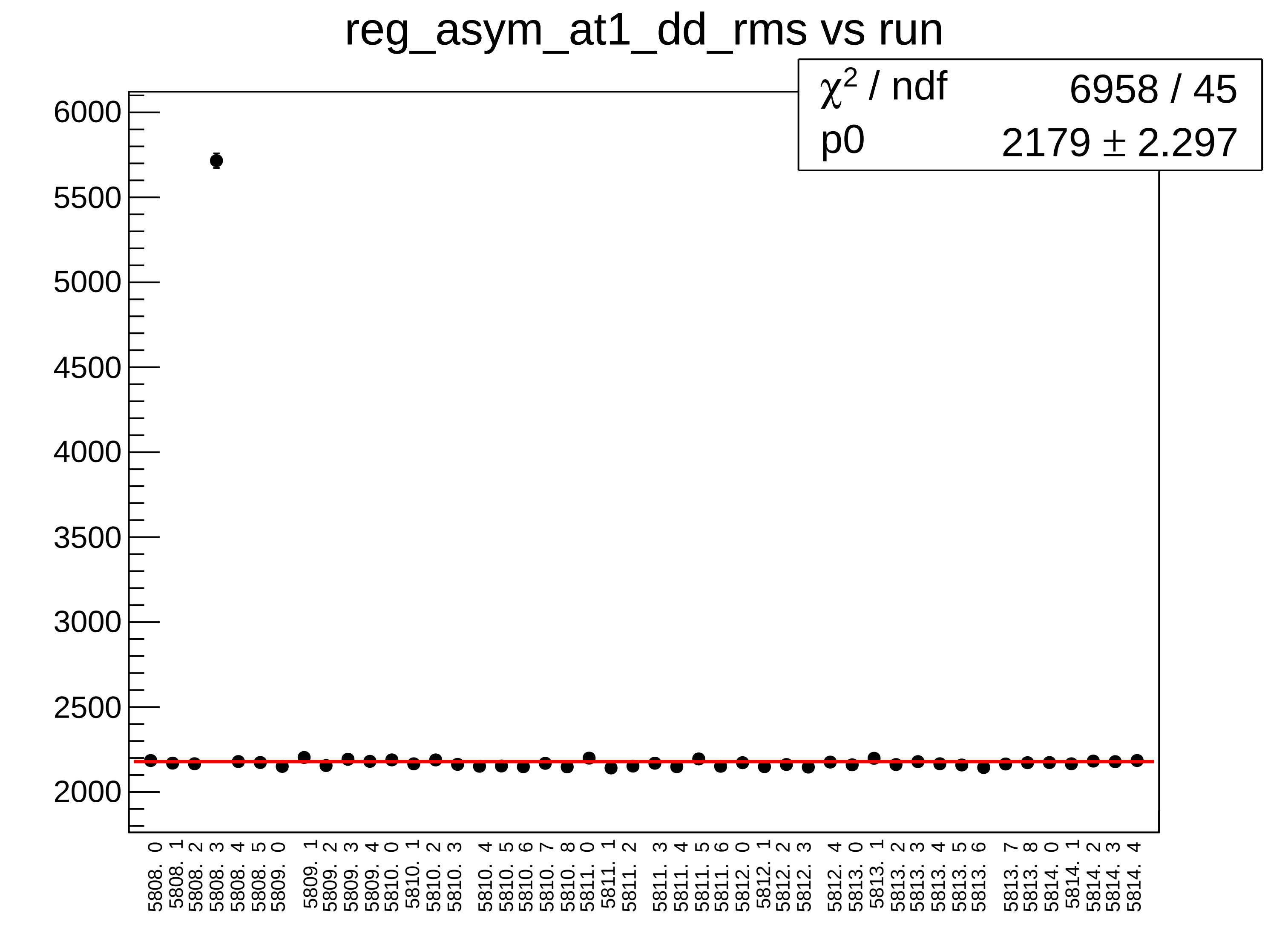

asym_at1_avg_mean vs run
χ^2 / ndf 51.31 / 45
p0 −6047 ± 3511
pull
Entries 46
Mean −376.7
Std Dev 386.9
pull1D
Entries 46
Mean −0.003789
Std Dev 1.056



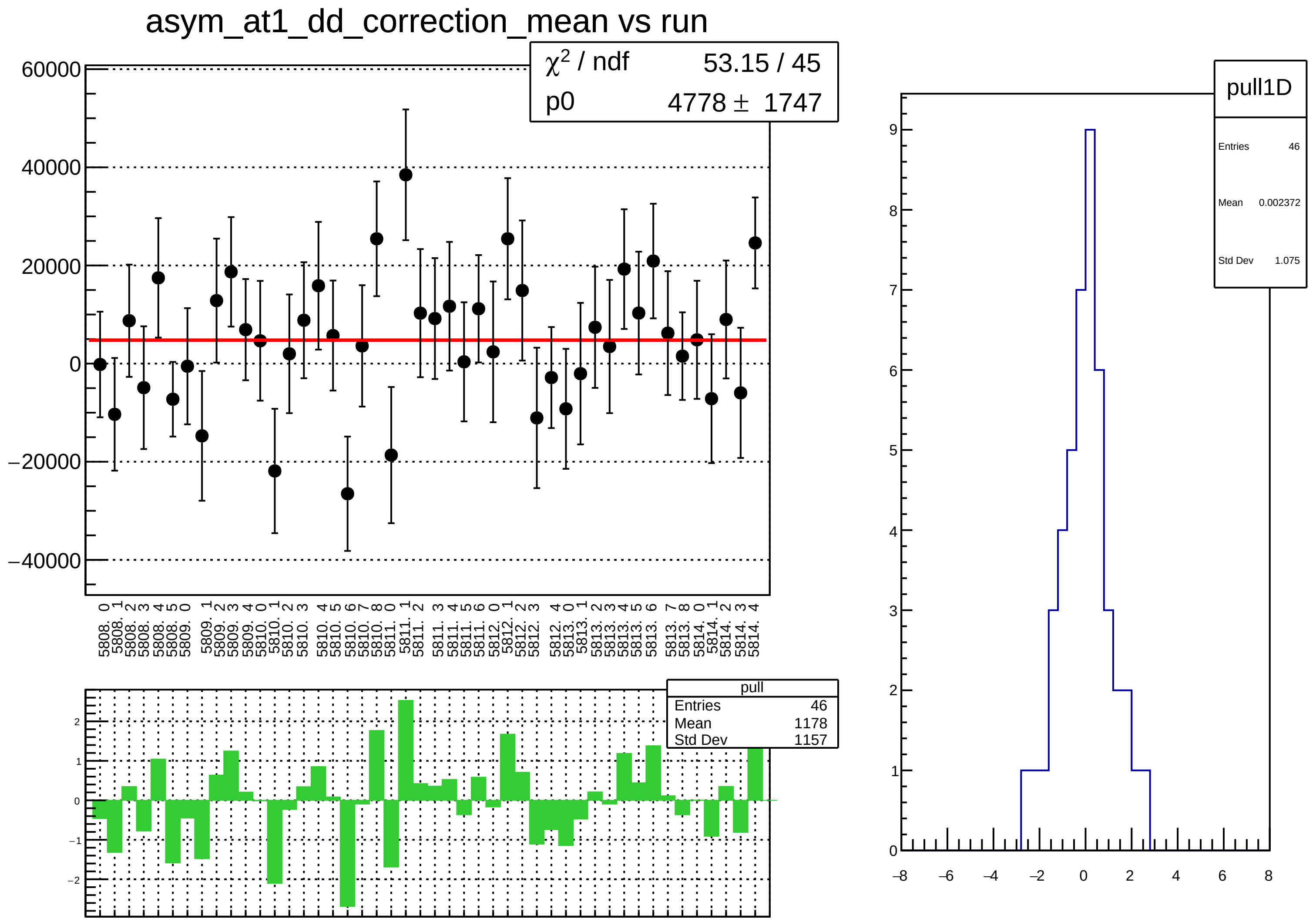
asym_at1_avg_rms vs run
χ^2 / ndf 6395 / 45
p0 2356 ± 2.483
6000
5500
5000
4500
4000
3500
3000
2500
2000



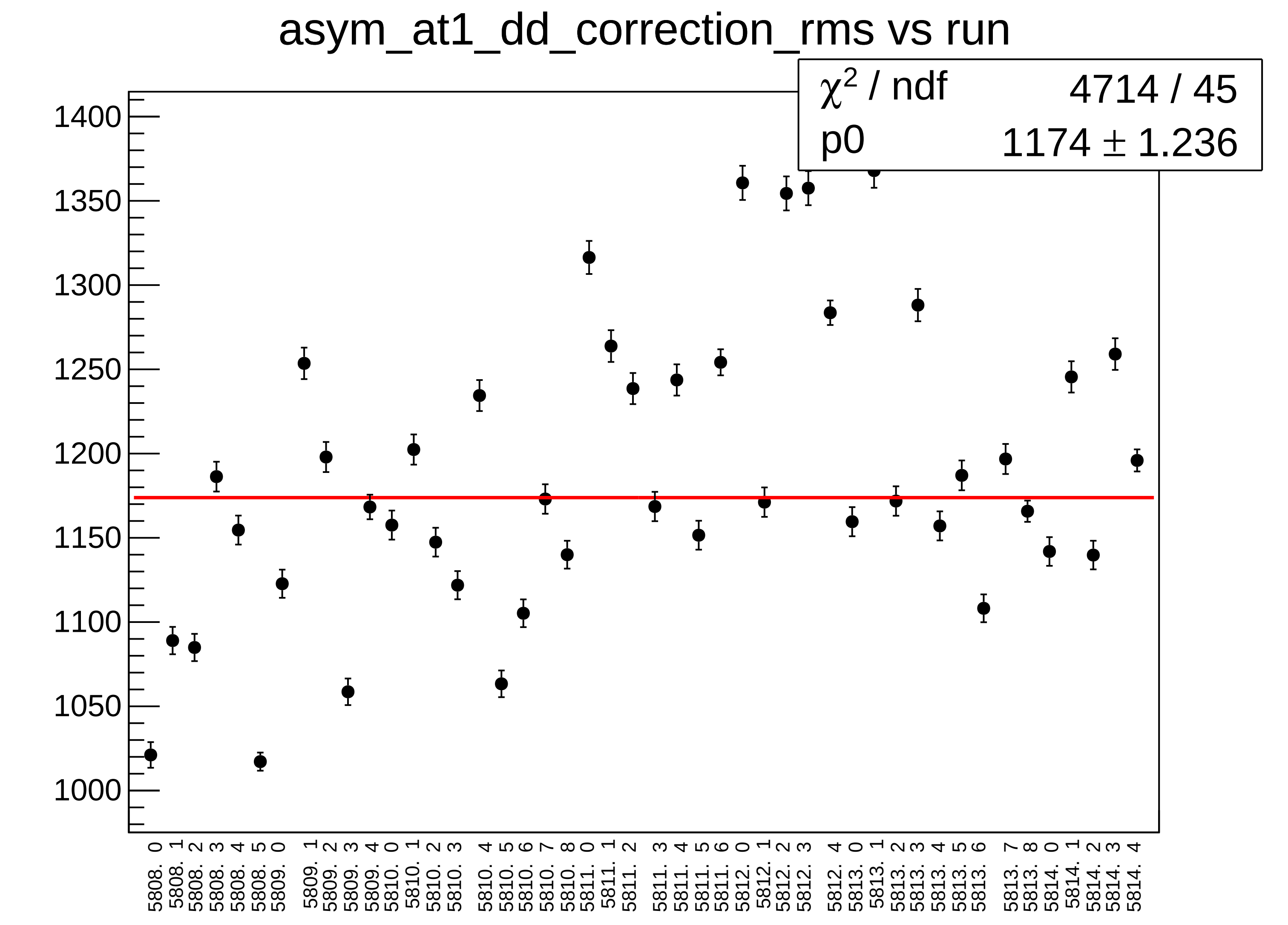
reg_asym_at1_dd_mean vs run
×10^3
χ2 / ndf 41.07 / 45
p0 1663 ± 3248
pull
Entries 46
Mean −227.3
Std Dev 252.4
pull1D
Entries 46
Mean 0.009305
Std Dev 0.9448



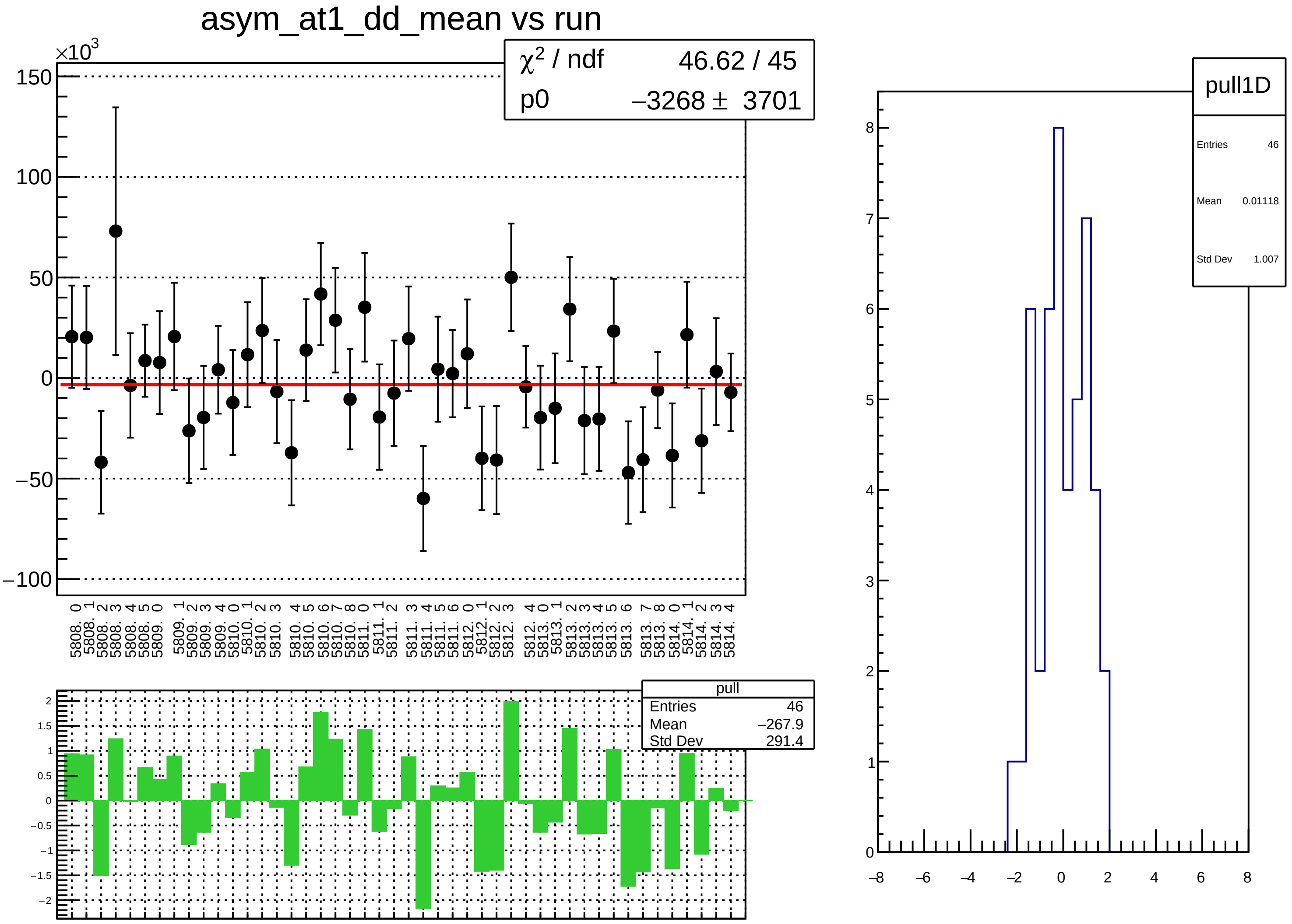
reg_asym_at1_dd_rms vs run
χ2 / ndf 6958 / 45
p0 2179 ± 2.297
6000
5500
5000
4500
4000
3500
3000
2500
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



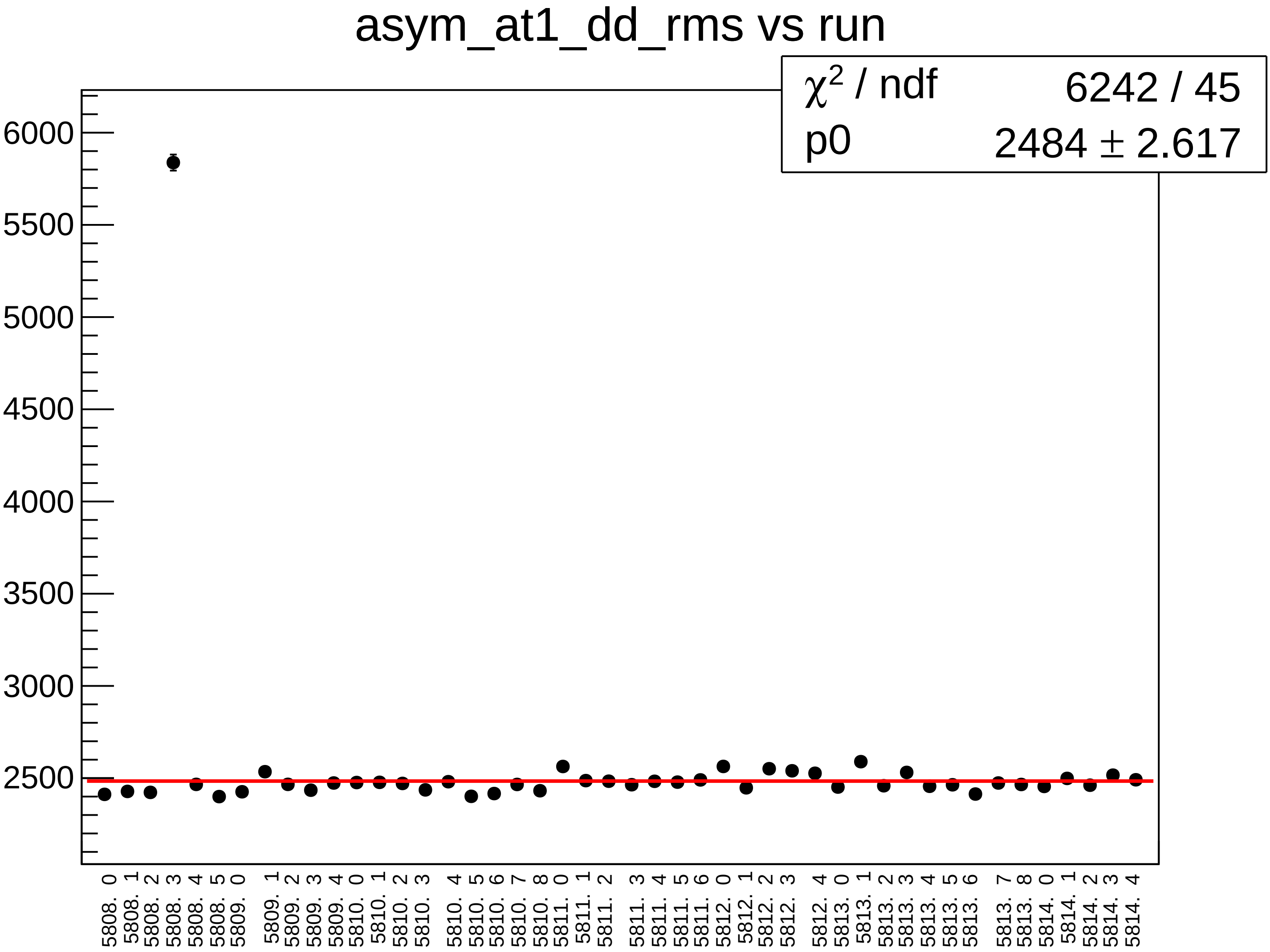
asym_at1_dd_correction_mean vs run
χ^2 / ndf 53.15 / 45
p0 4778 ± 1747
pull
Entries 46
Mean 1178
Std Dev 1157
pull1D
Entries 46
Mean 0.002372
Std Dev 1.075



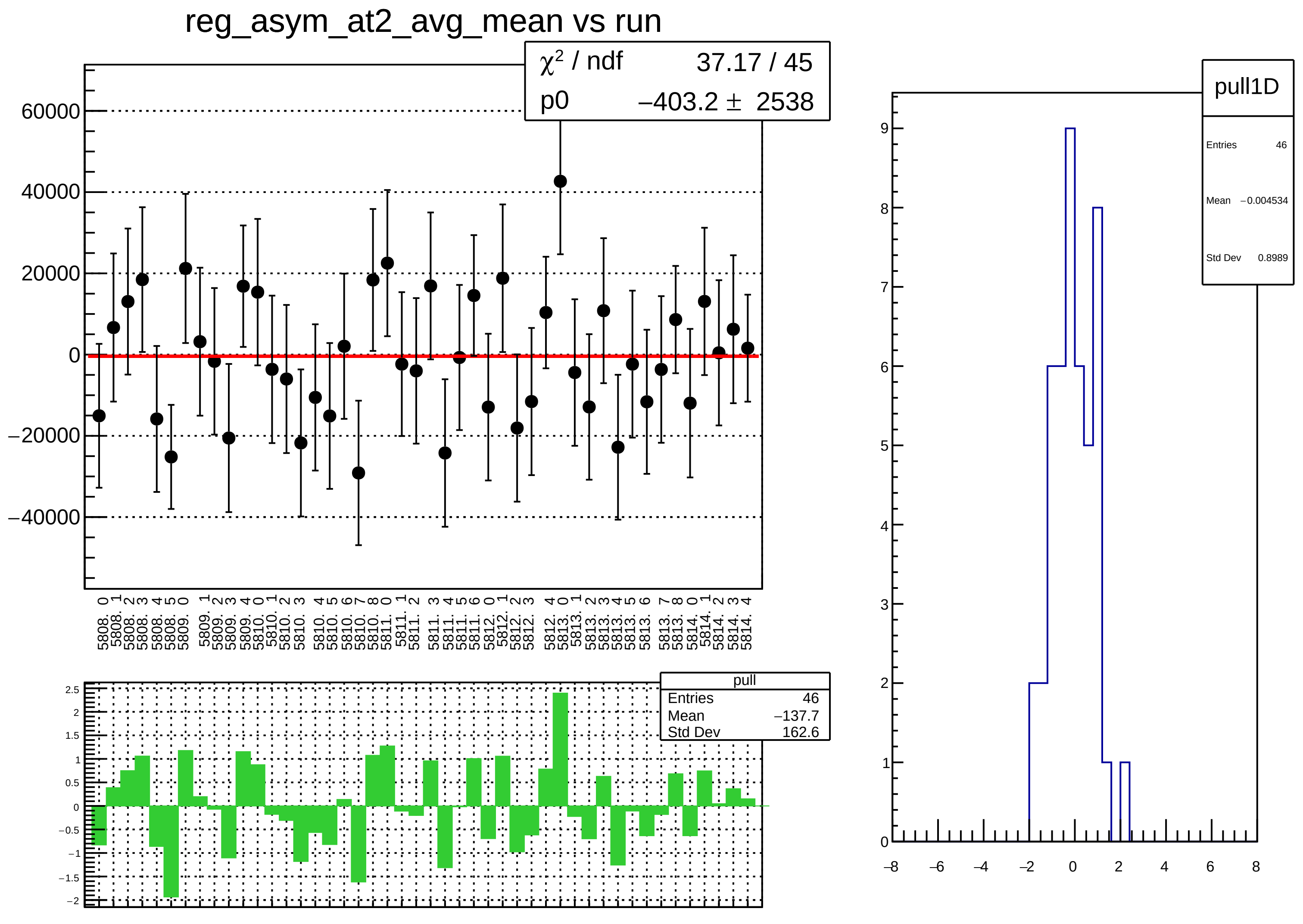
asym_at1_dd_correction_rms vs run
χ^2 / ndf 4714 / 45
p0 1174 ± 1.236
1000
1050
1100
1150
1200
1250
1300
1350
1400

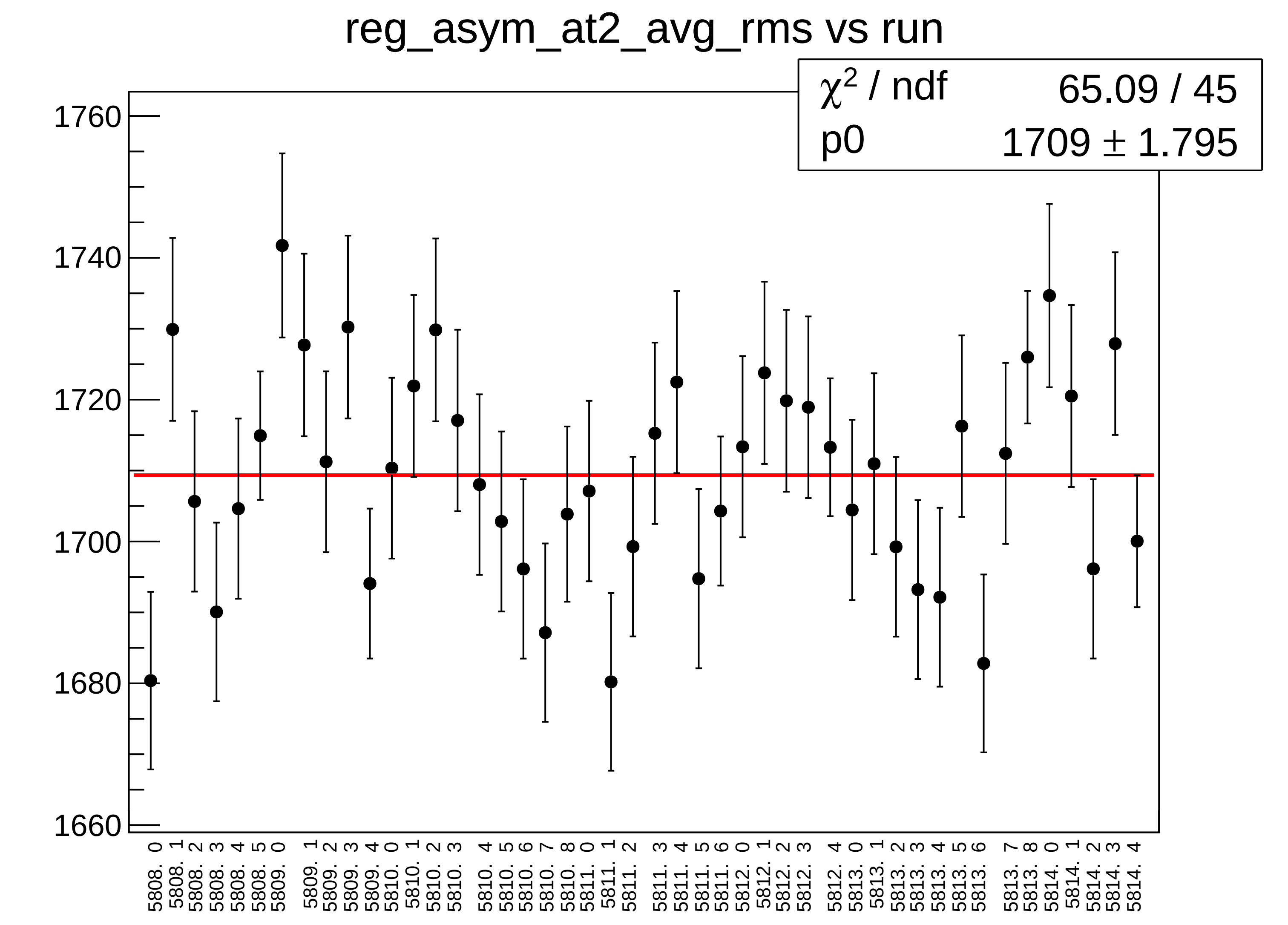


asym_at1_dd_mean vs run
×10^3
χ2 / ndf 46.62 / 45
p0 −3268 ± 3701
pull
Entries 46
Mean −267.9
Std Dev 291.4
pull1D
Entries 46
Mean 0.01118
Std Dev 1.007

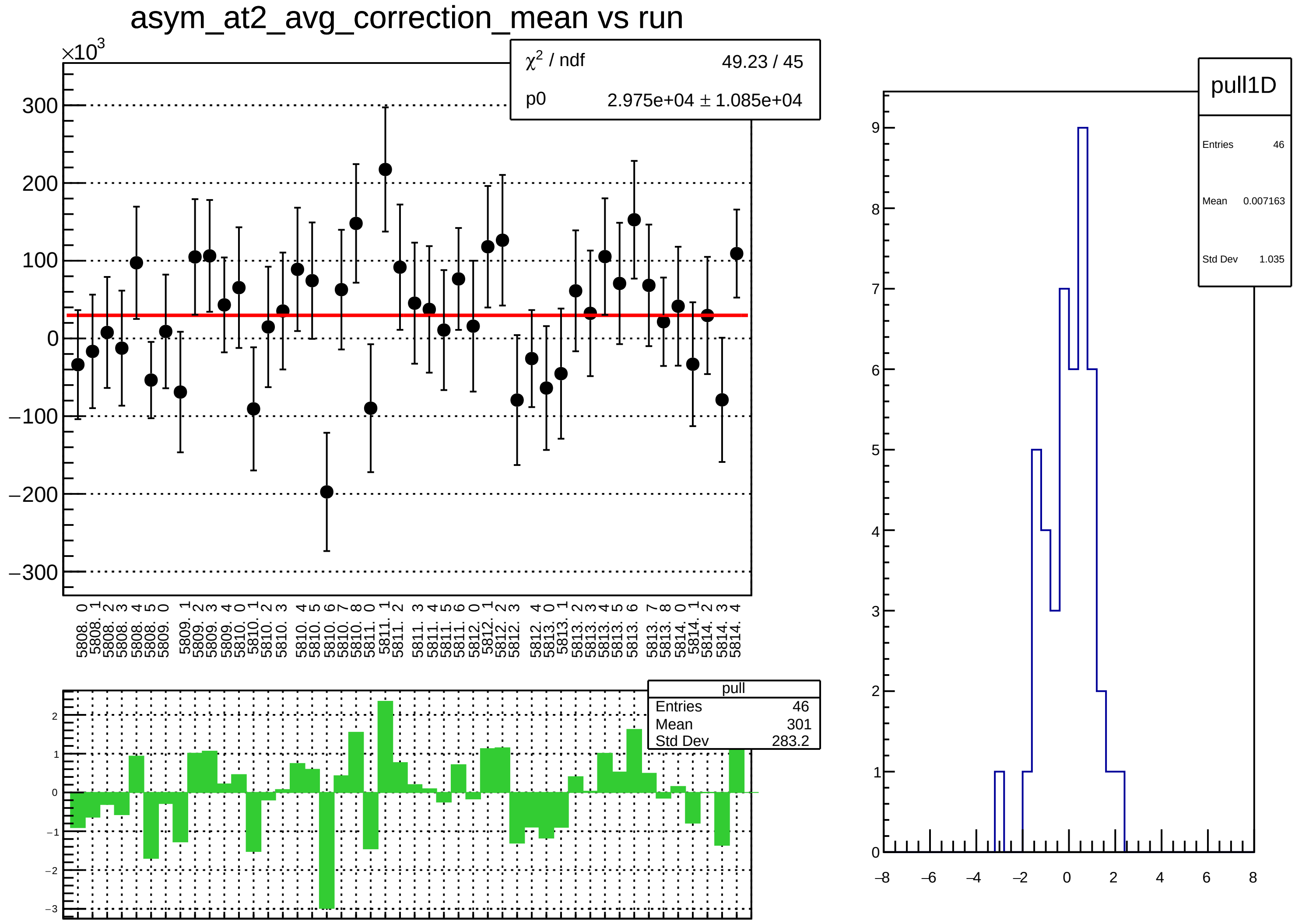


asym_at1_dd_rms vs run
χ^2 / ndf 6242 / 45
p0 2484 ± 2.617
6000
5500
5000
4500
4000
3500
3000
2500

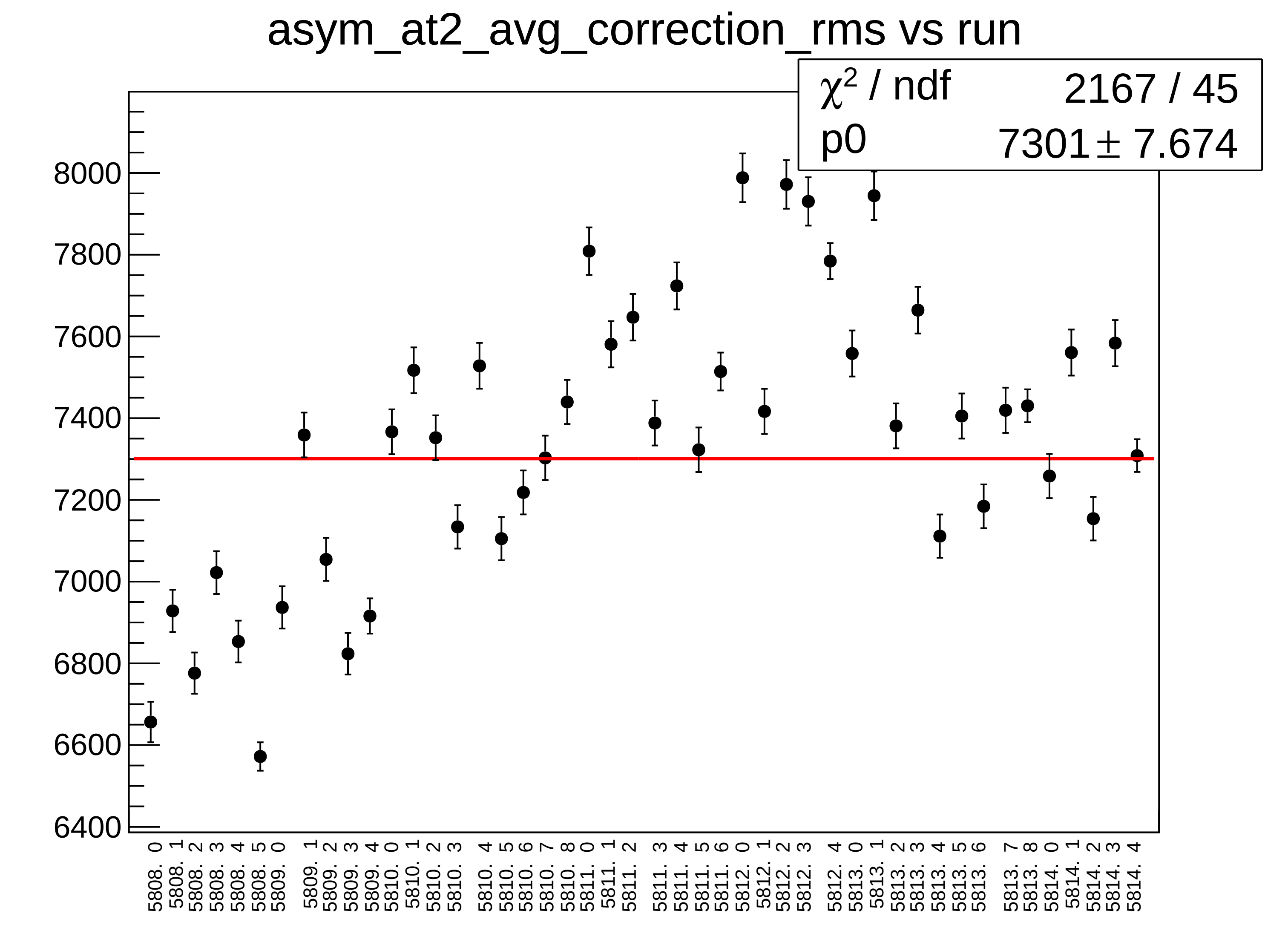

reg_asym_at2_avg_mean vs run
χ2 / ndf 37.17 / 45
p0 −403.2 ± 2538
pull
Entries 46
Mean −137.7
Std Dev 162.6
pull1D
Entries 46
Mean −0.004534
Std Dev 0.8989



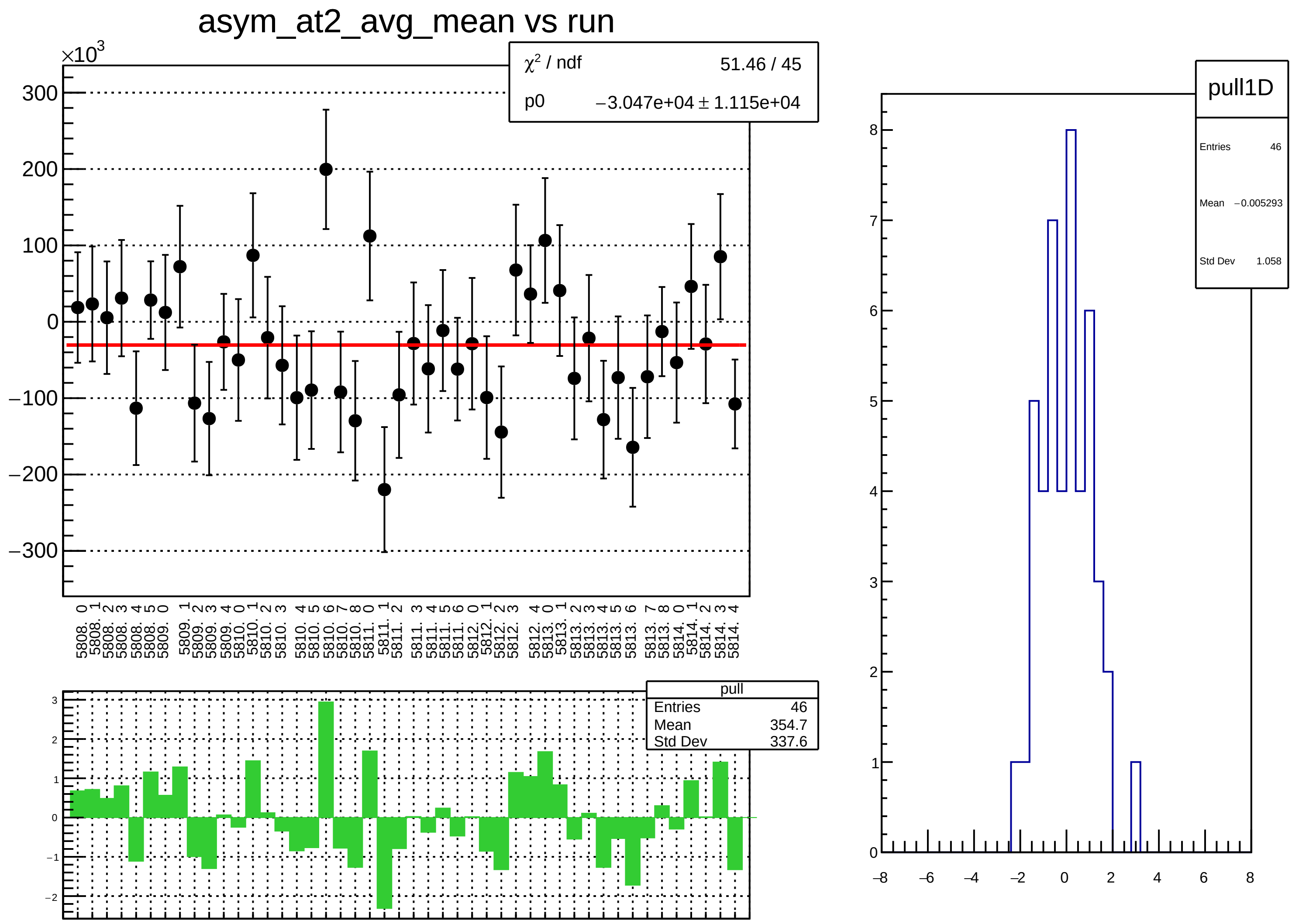
reg_asym_at2_avg_rms vs run
χ^2 / ndf 65.09 / 45
p0 1709 ± 1.795
1760
1740
1720
1700
1680
1660

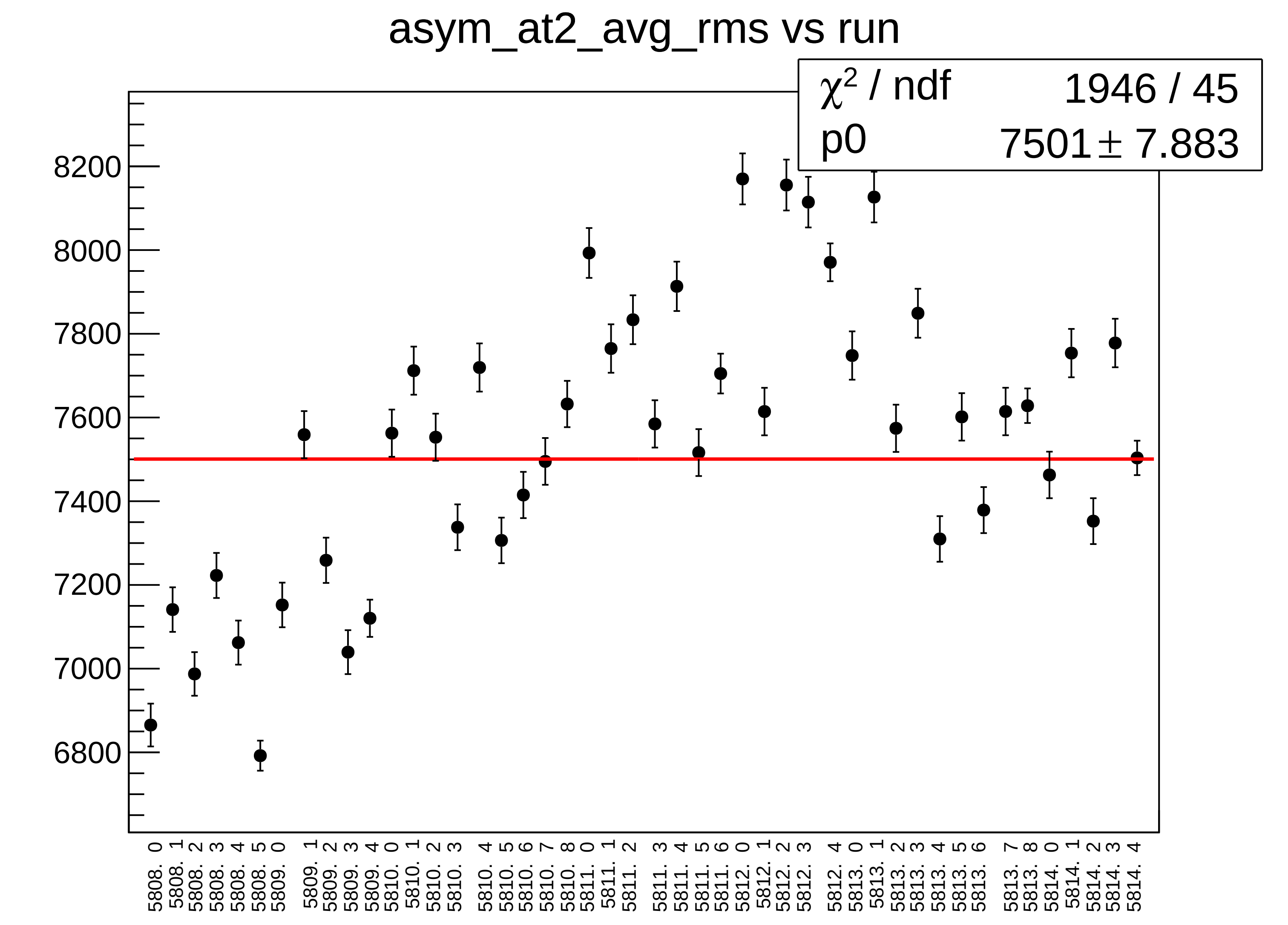


asym_at2_avg_correction_mean vs run
×10^3
χ2 / ndf 49.23 / 45
p0 2.975e+04 ± 1.085e+04
pull
Entries 46
Mean 301
Std Dev 283.2
pull1D
Entries 46
Mean 0.007163
Std Dev 1.035

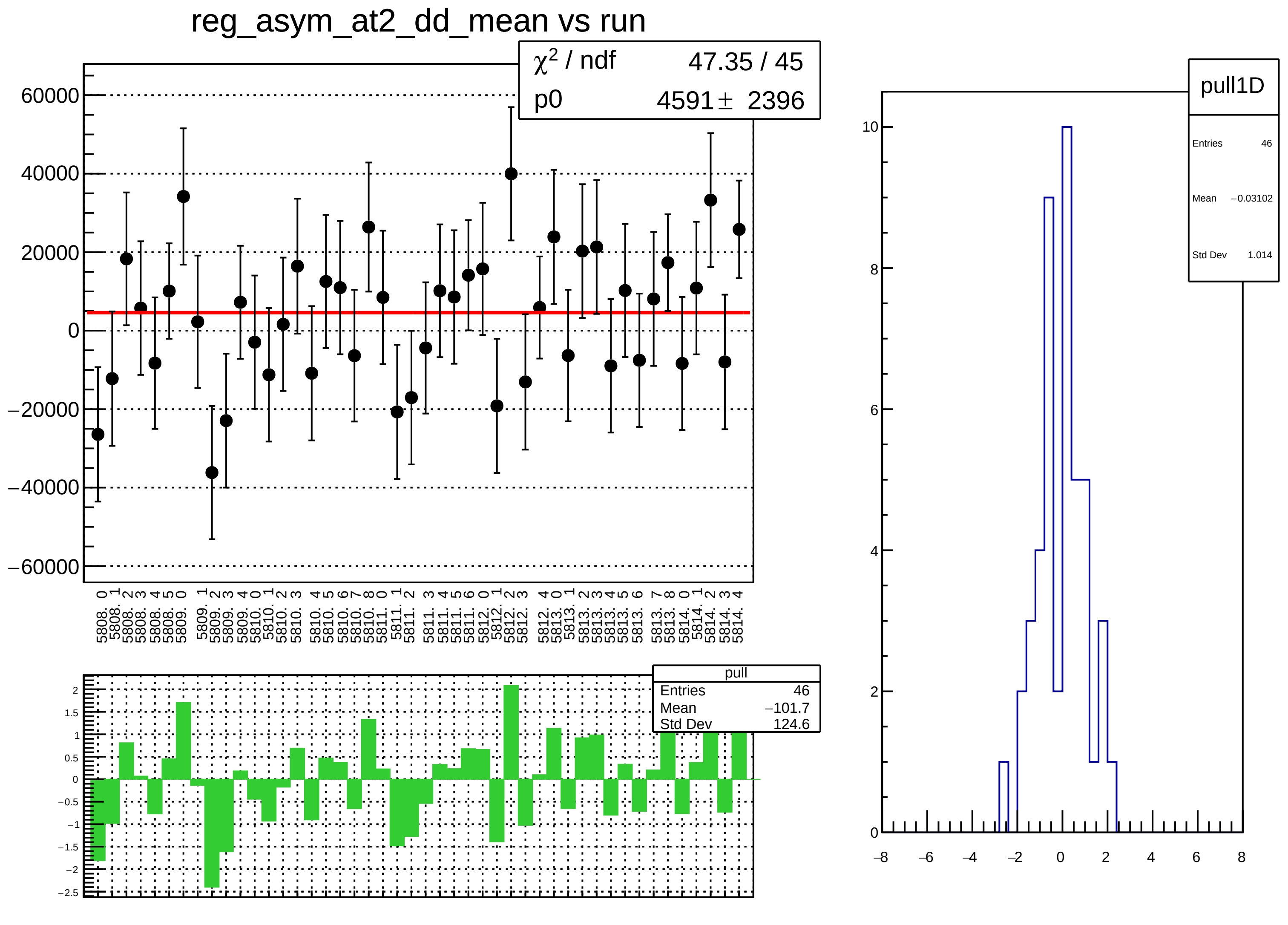


asym_at2_avg_correction_rms vs run
χ^2 / ndf 2167 / 45
p0 7301 ± 7.674
8000
7800
7600
7400
7200
7000
6800
6600
6400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

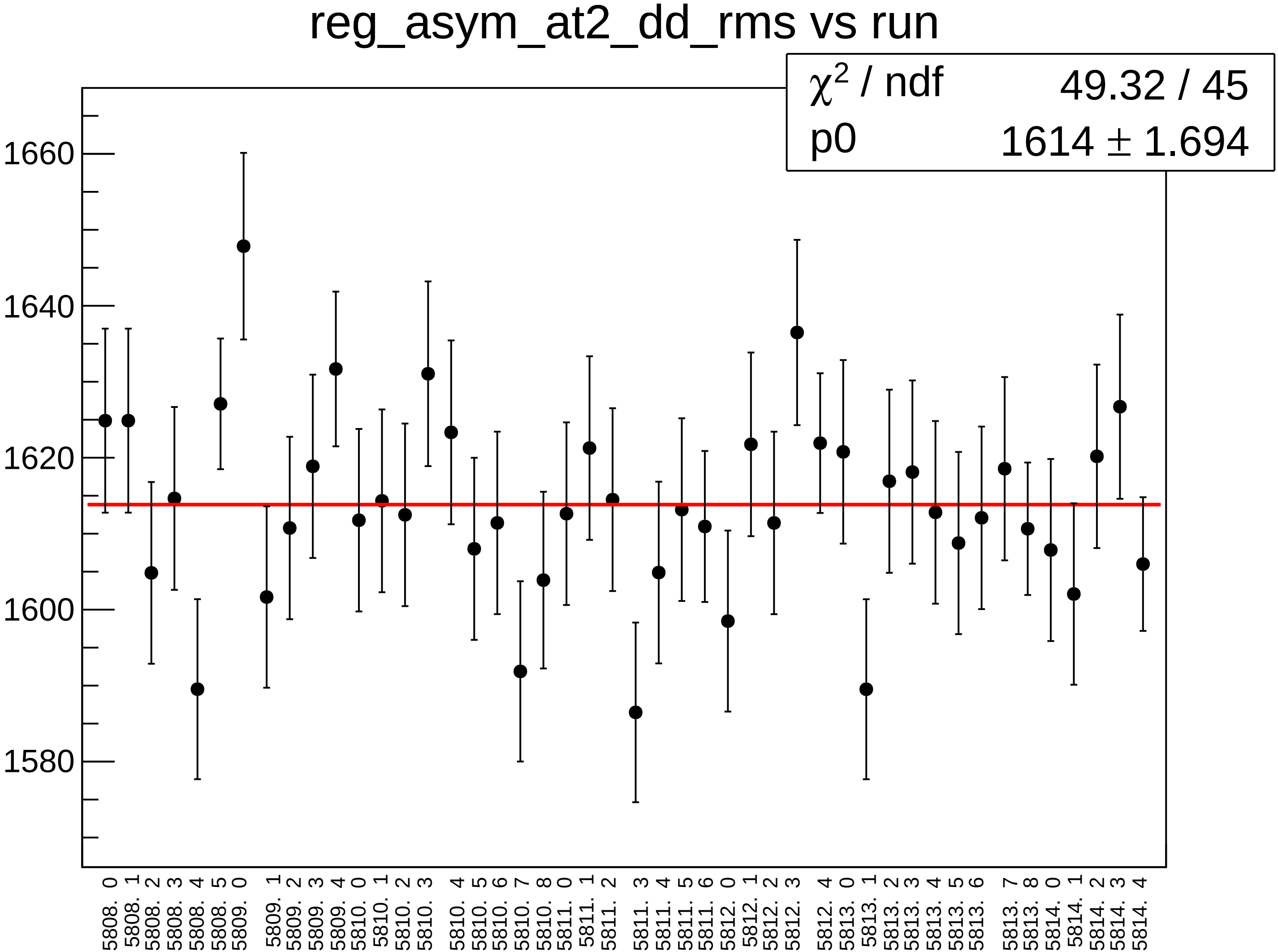

asym_at2_avg_mean vs run
×10^3
χ2 / ndf 51.46 / 45
p0 −3.047e+04 ± 1.115e+04
pull
Entries 46
Mean 354.7
Std Dev 337.6
pull1D
Entries 46
Mean −0.005293
Std Dev 1.058



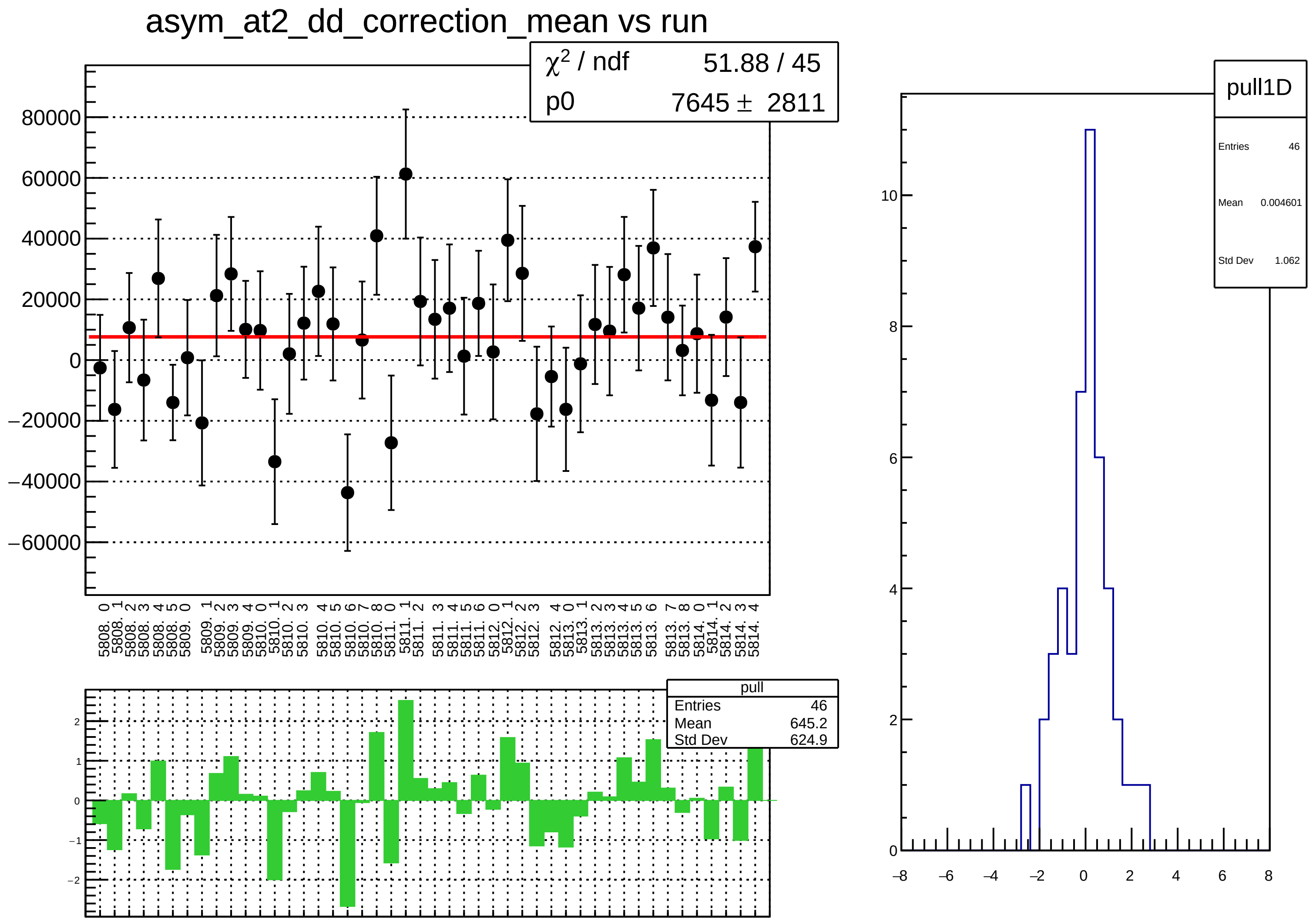
asym_at2_avg_rms vs run
χ^2 / ndf 1946 / 45
p0 7501 ± 7.883
8200
8000
7800
7600
7400
7200
7000
6800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

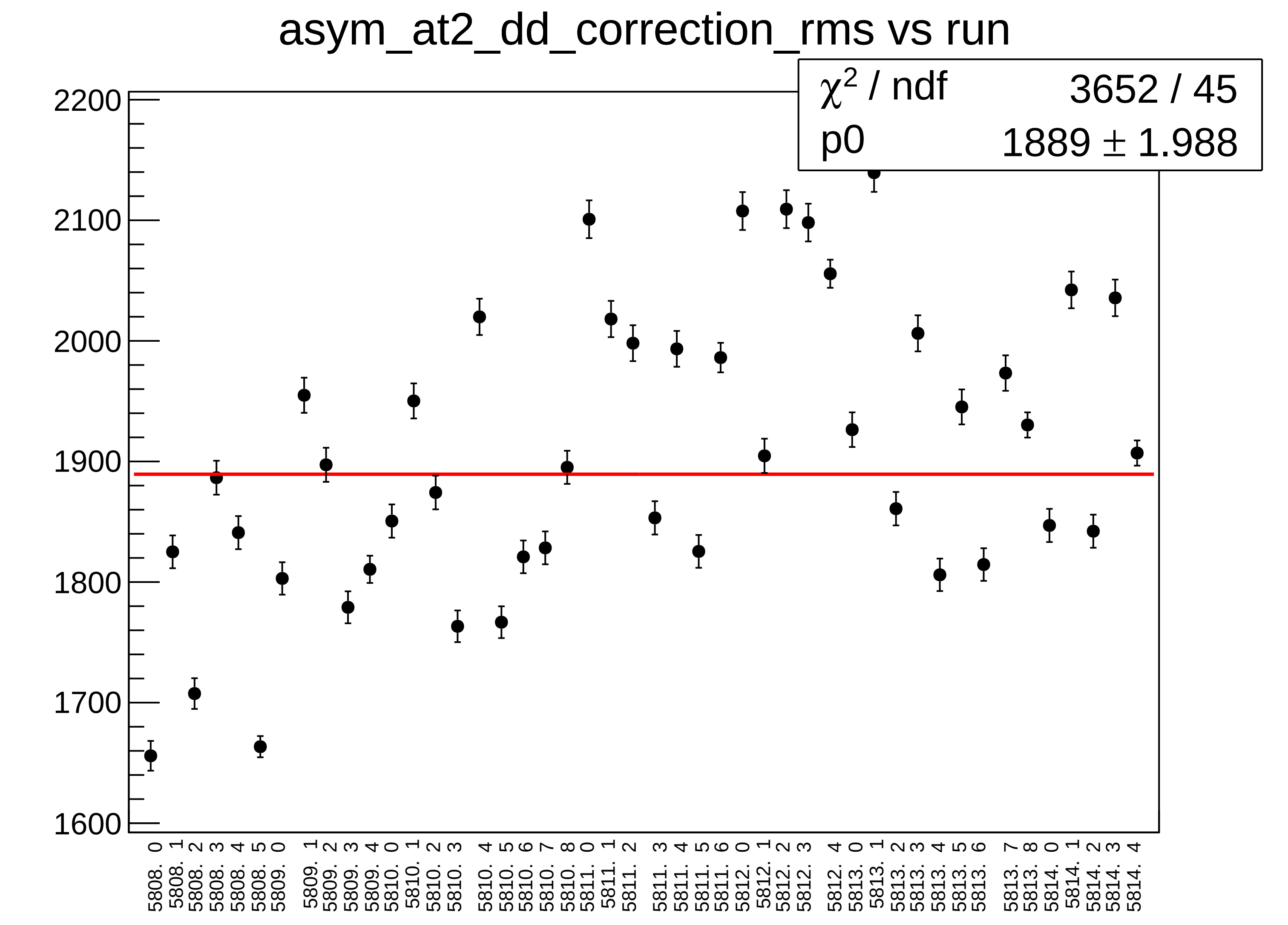


reg_asym_at2_dd_mean vs run
χ^2 / ndf 47.35 / 45
p0 4591 ± 2396
pull
Entries 46
Mean −101.7
Std Dev 124.6
pull1D
Entries 46
Mean −0.03102
Std Dev 1.014

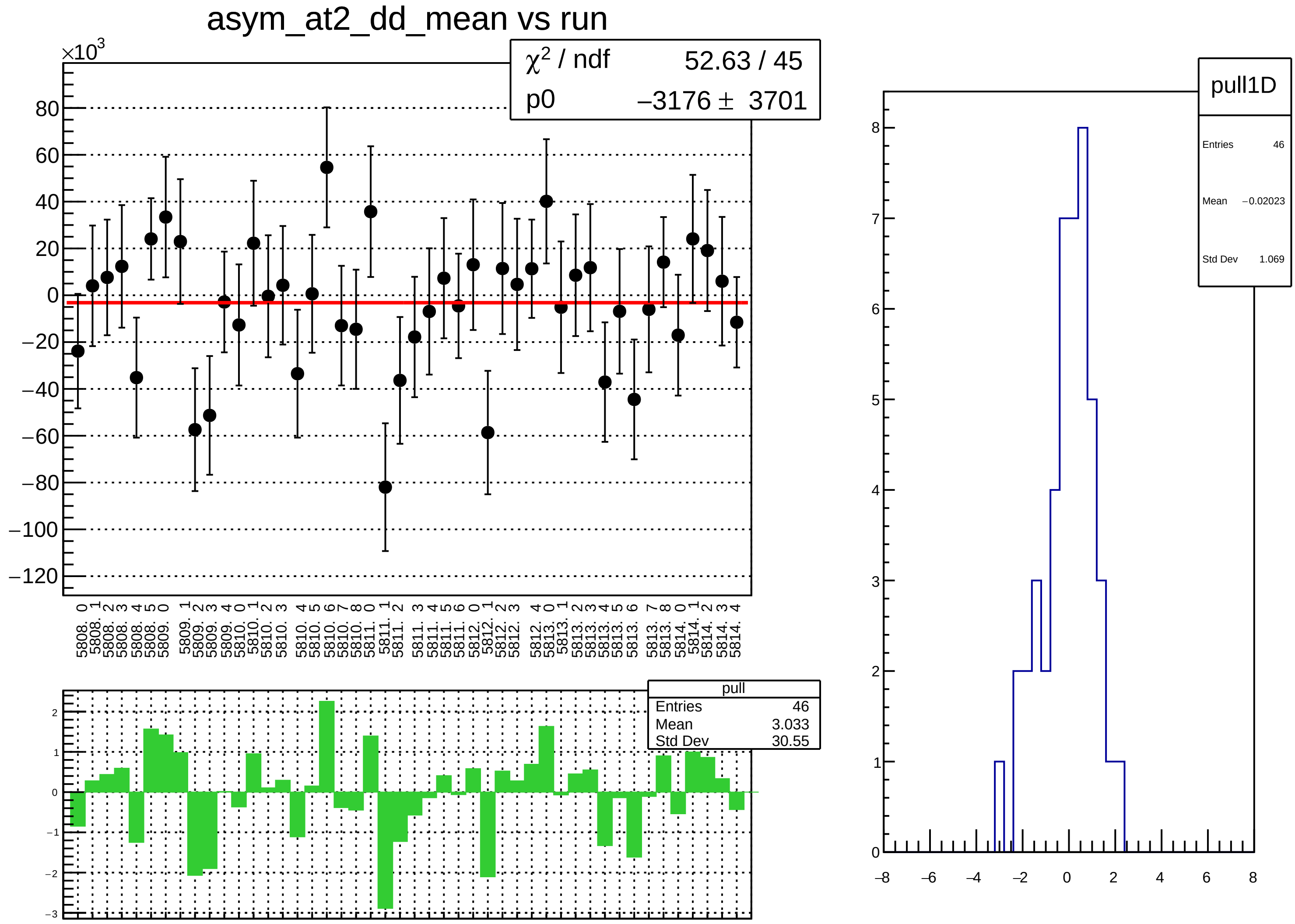


reg_asym_at2_dd_rms vs run
χ2 / ndf 49.32 / 45
p0 1614 ± 1.694
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

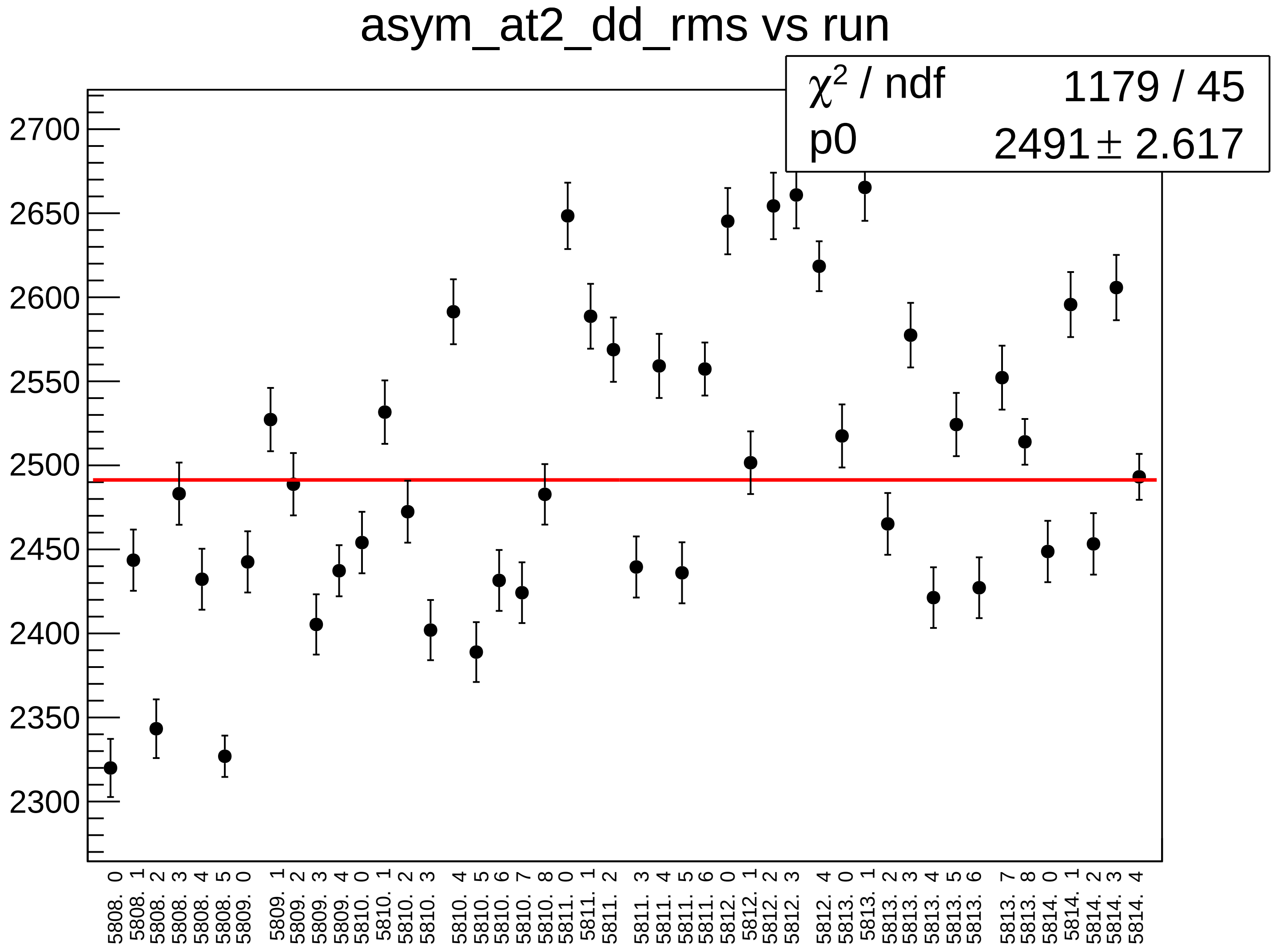

asym_at2_dd_correction_mean vs run
χ^2 / ndf 51.88 / 45
p0 7645 ± 2811
pull
Entries 46
Mean 645.2
Std Dev 624.9
pull1D
Entries 46
Mean 0.004601
Std Dev 1.062



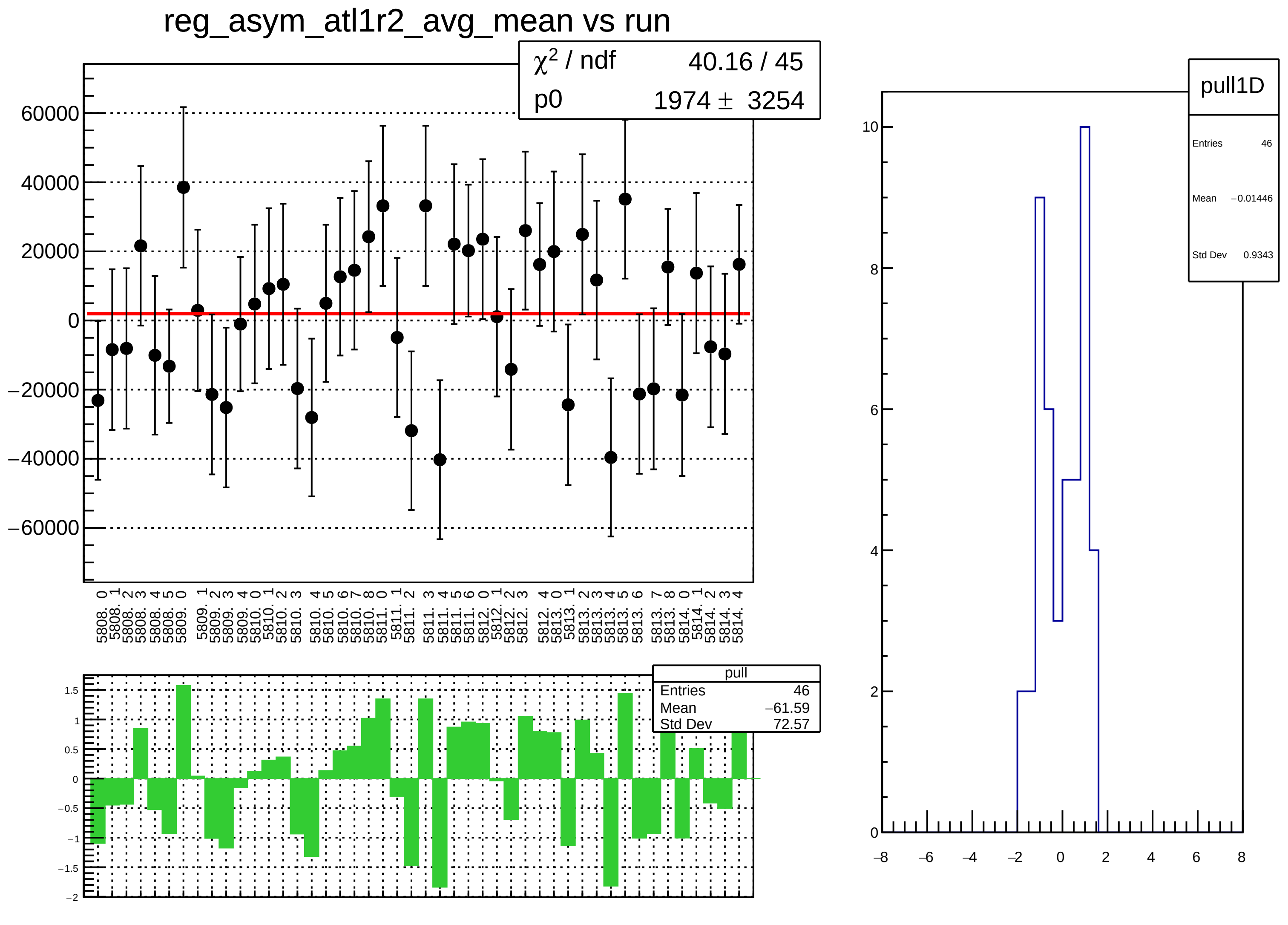
asym_at2_dd_correction_rms vs run
χ2 / ndf 3652 / 45
p0 1889 ± 1.988
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

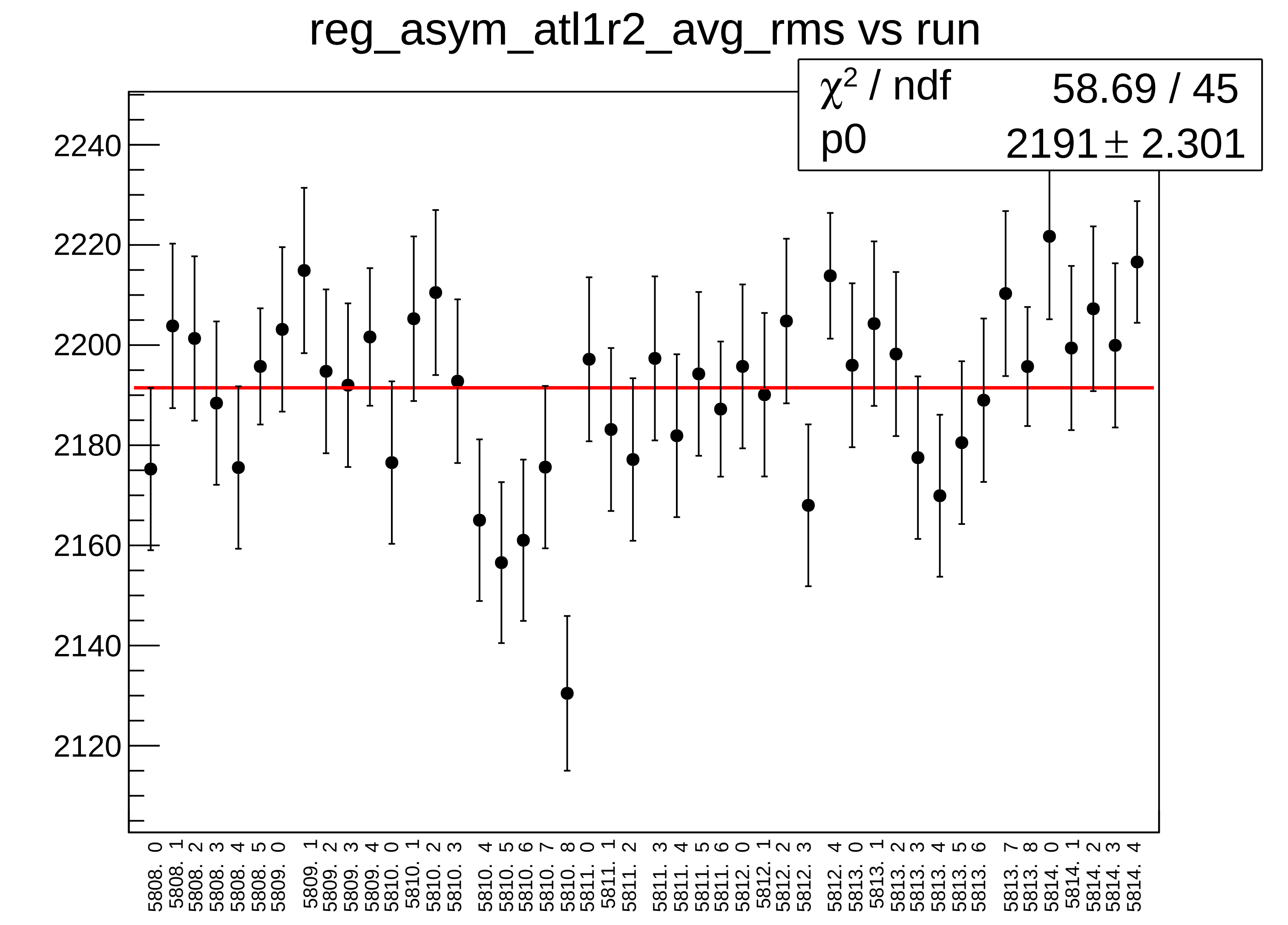


asym_at2_dd_mean vs run
$\times10^3$
χ^2 / ndf 52.63 / 45
p0 −3176 ± 3701
pull
Entries 46
Mean 3.033
Std Dev 30.55
pull1D
Entries 46
Mean −0.02023
Std Dev 1.069

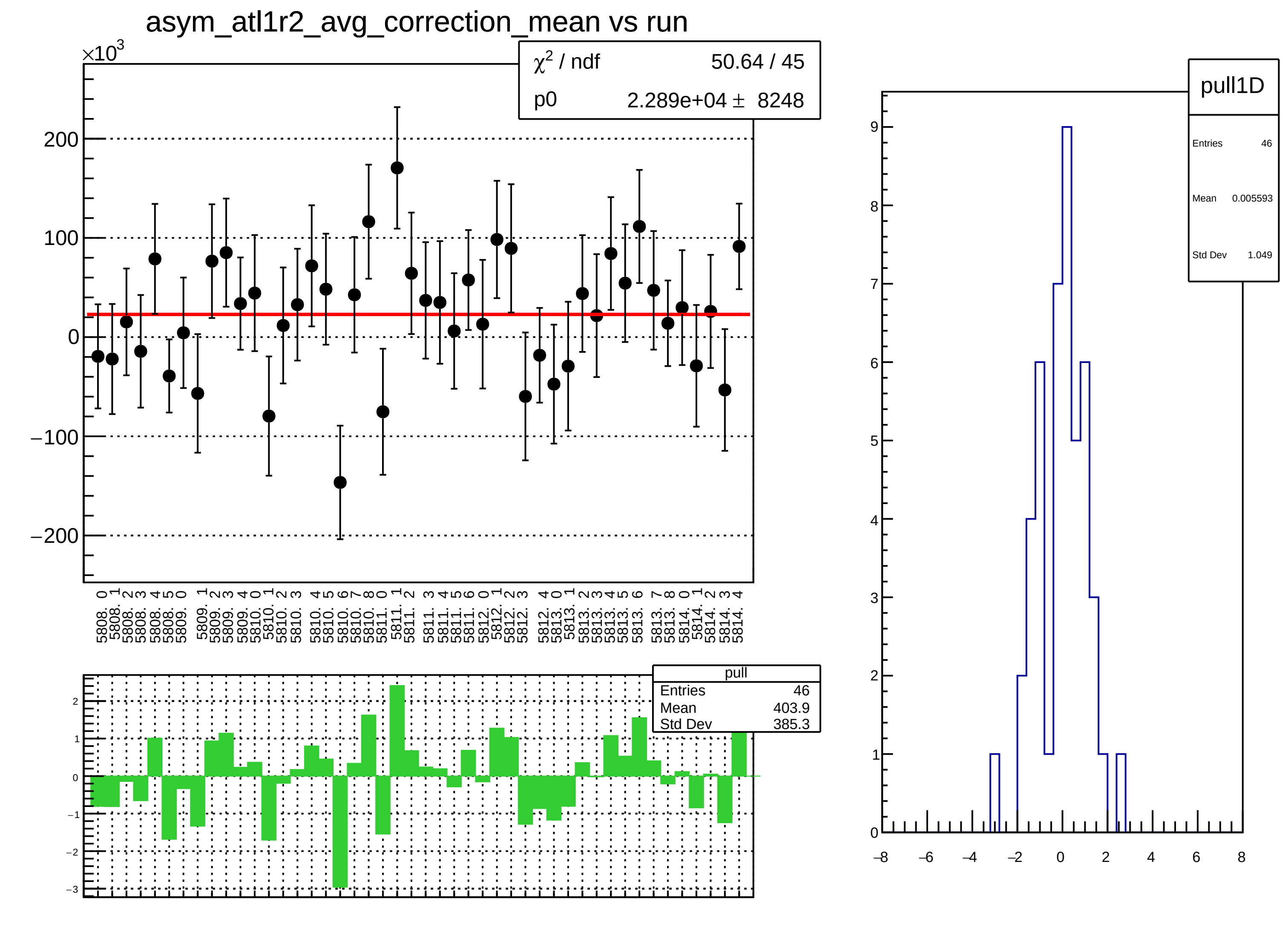


asym_at2_dd_rms vs run
χ2 / ndf 1179 / 45
p0 2491 ± 2.617
2700
2650
2600
2550
2500
2450
2400
2350
2300

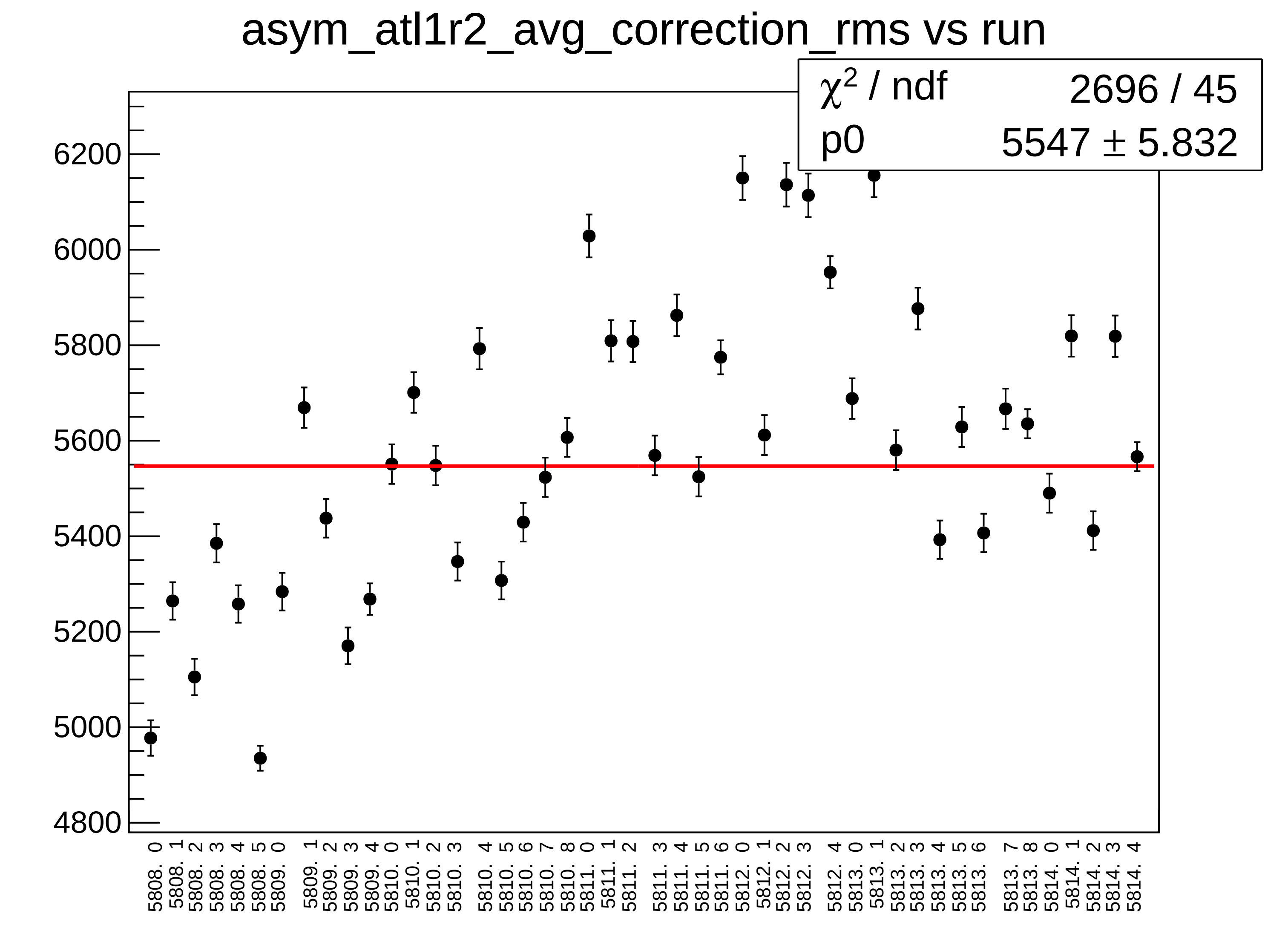

reg_asym_atl1r2_avg_mean vs run
χ2 / ndf 40.16 / 45
p0 1974 ± 3254
pull
Entries 46
Mean −61.59
Std Dev 72.57
pull1D
Entries 46
Mean −0.01446
Std Dev 0.9343



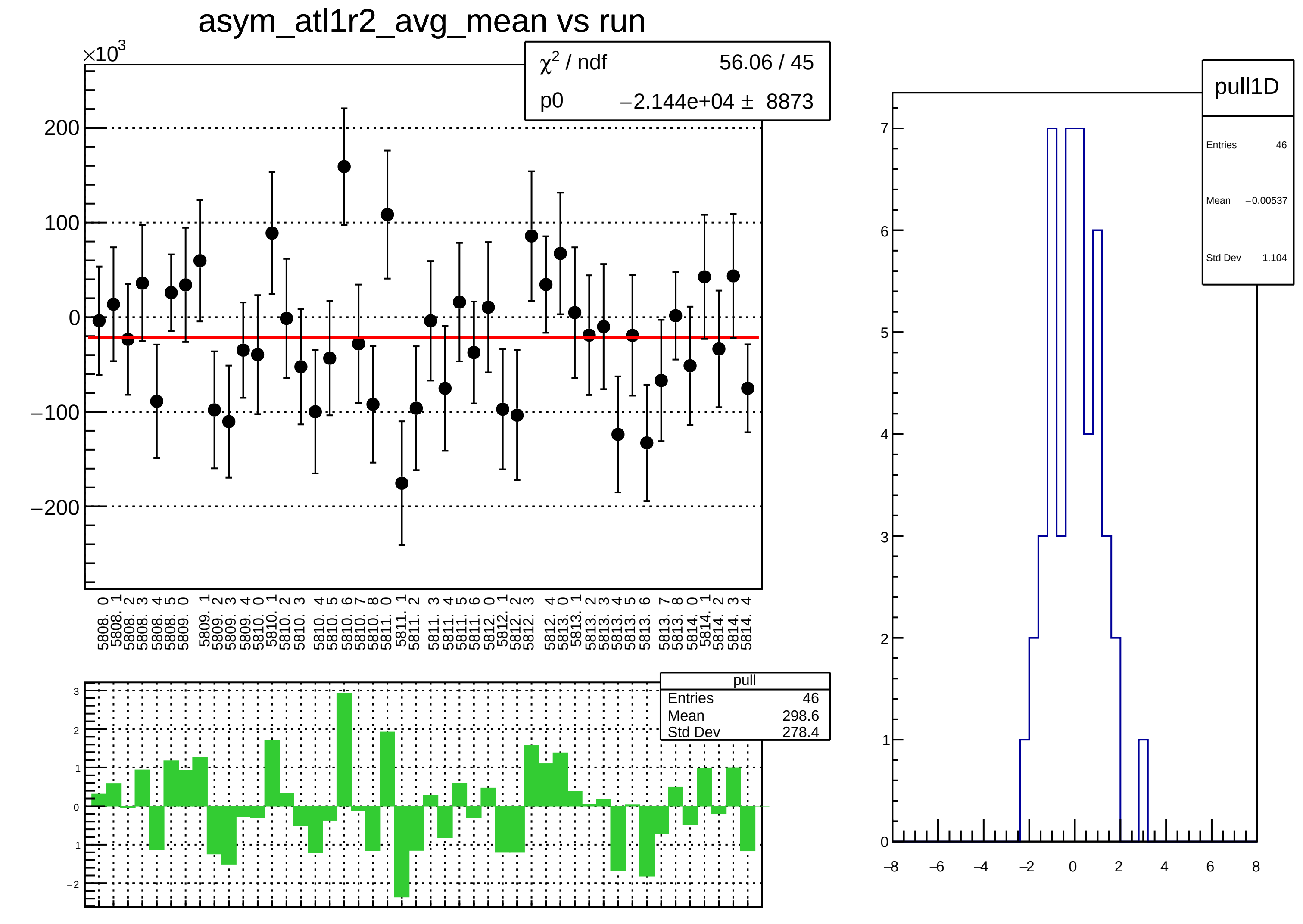
reg_asym_atl1r2_avg_rms vs run
χ^2 / ndf 58.69 / 45
p0 2191 ± 2.301
2240
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

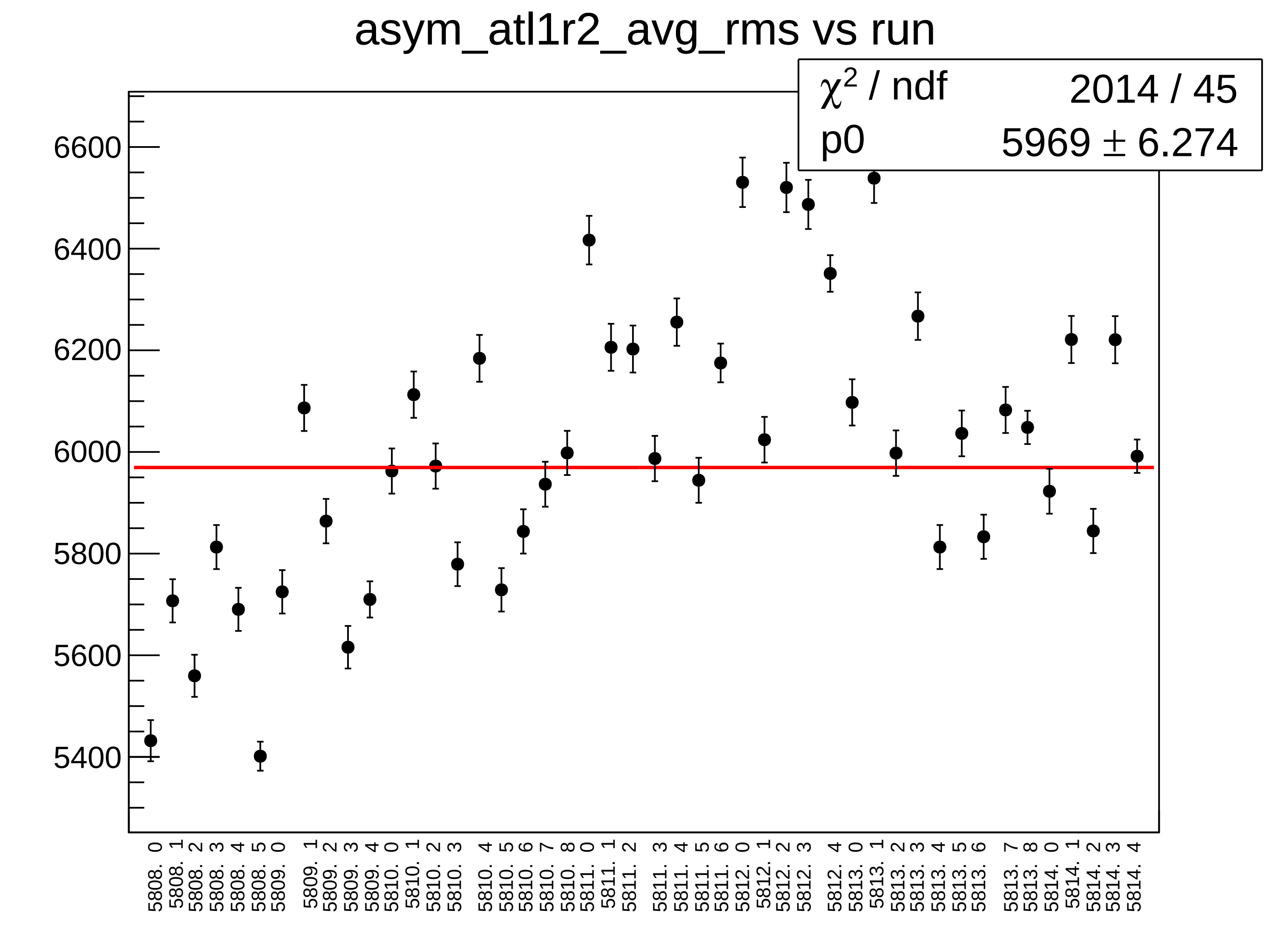


asym_atl1r2_avg_correction_mean vs run
×10^3
χ2 / ndf 50.64 / 45
p0 2.289e+04 ± 8248
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 403.9
Std Dev 385.3
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.005593
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

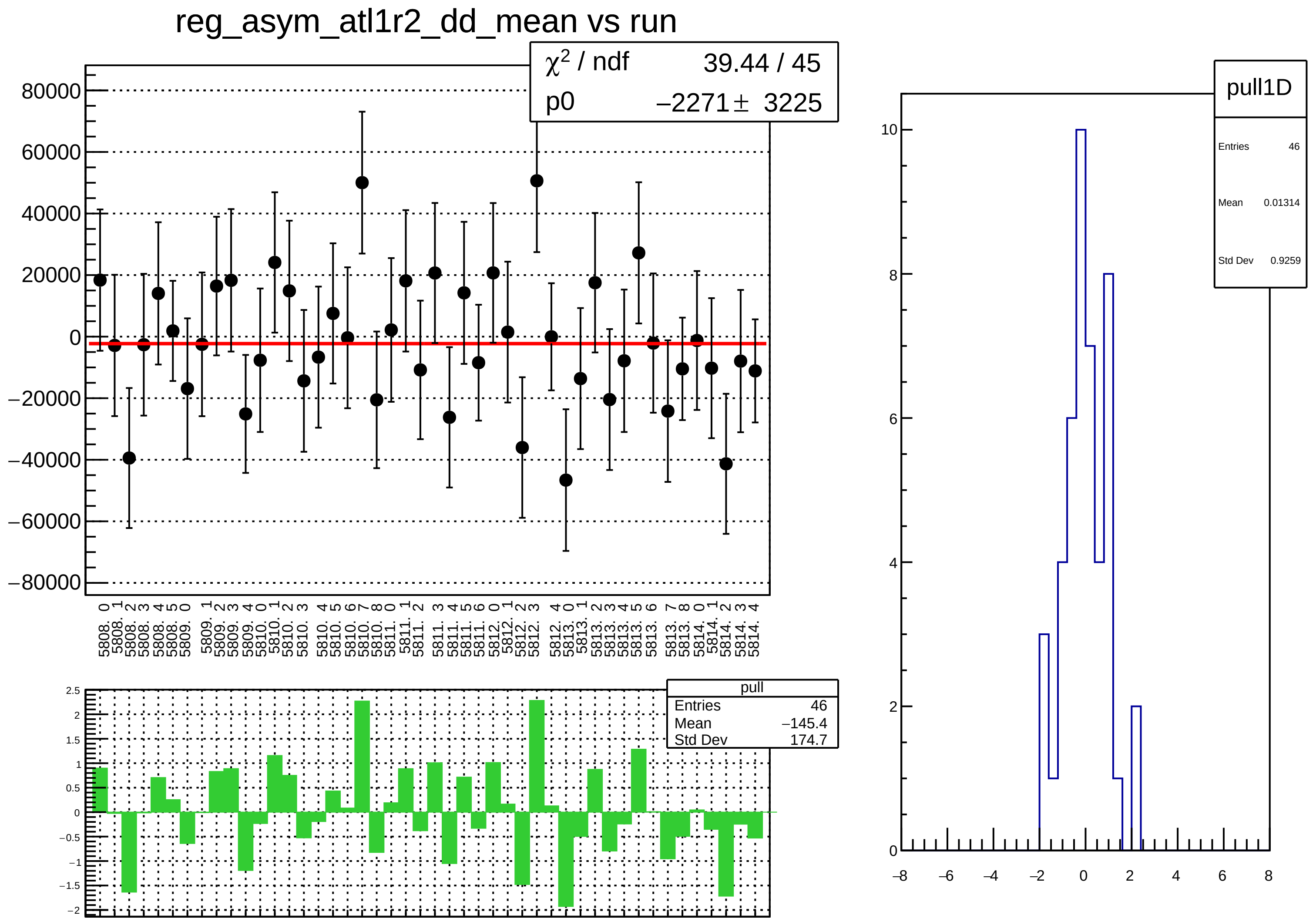


asym_atl1r2_avg_correction_rms vs run
χ2 / ndf 2696 / 45
p0 5547 ± 5.832
6200
6000
5800
5600
5400
5200
5000
4800

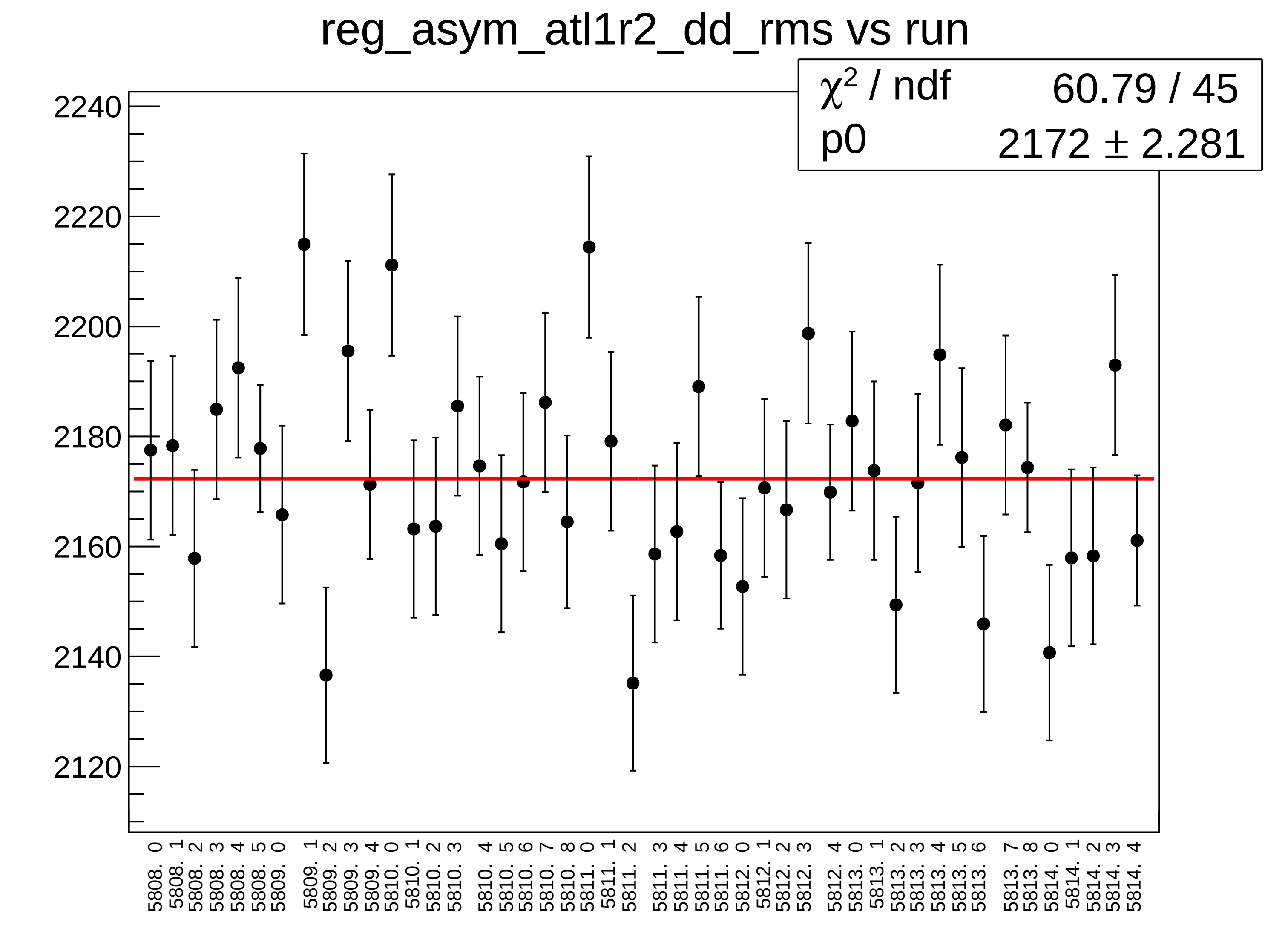

asym_atl1r2_avg_mean vs run
χ^2 / ndf 56.06 / 45
p0 −2.144e+04 ± 8873
×10^3
pull
Entries 46
Mean 298.6
Std Dev 278.4
pull1D
Entries 46
Mean −0.00537
Std Dev 1.104



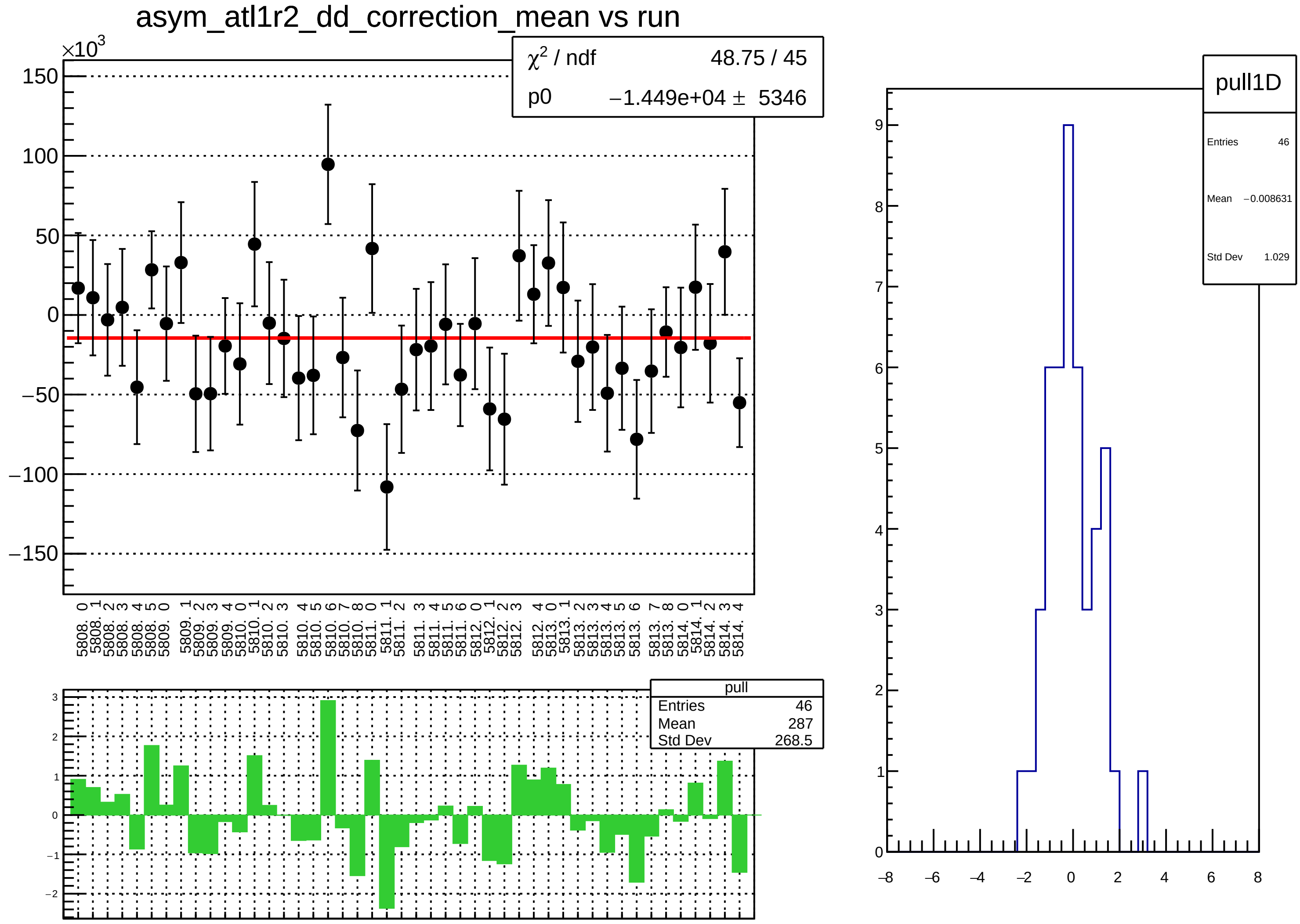
asym_atl1r2_avg_rms vs run
χ^2 / ndf 2014 / 45
p0 5969 ± 6.274
6600
6400
6200
6000
5800
5600
5400



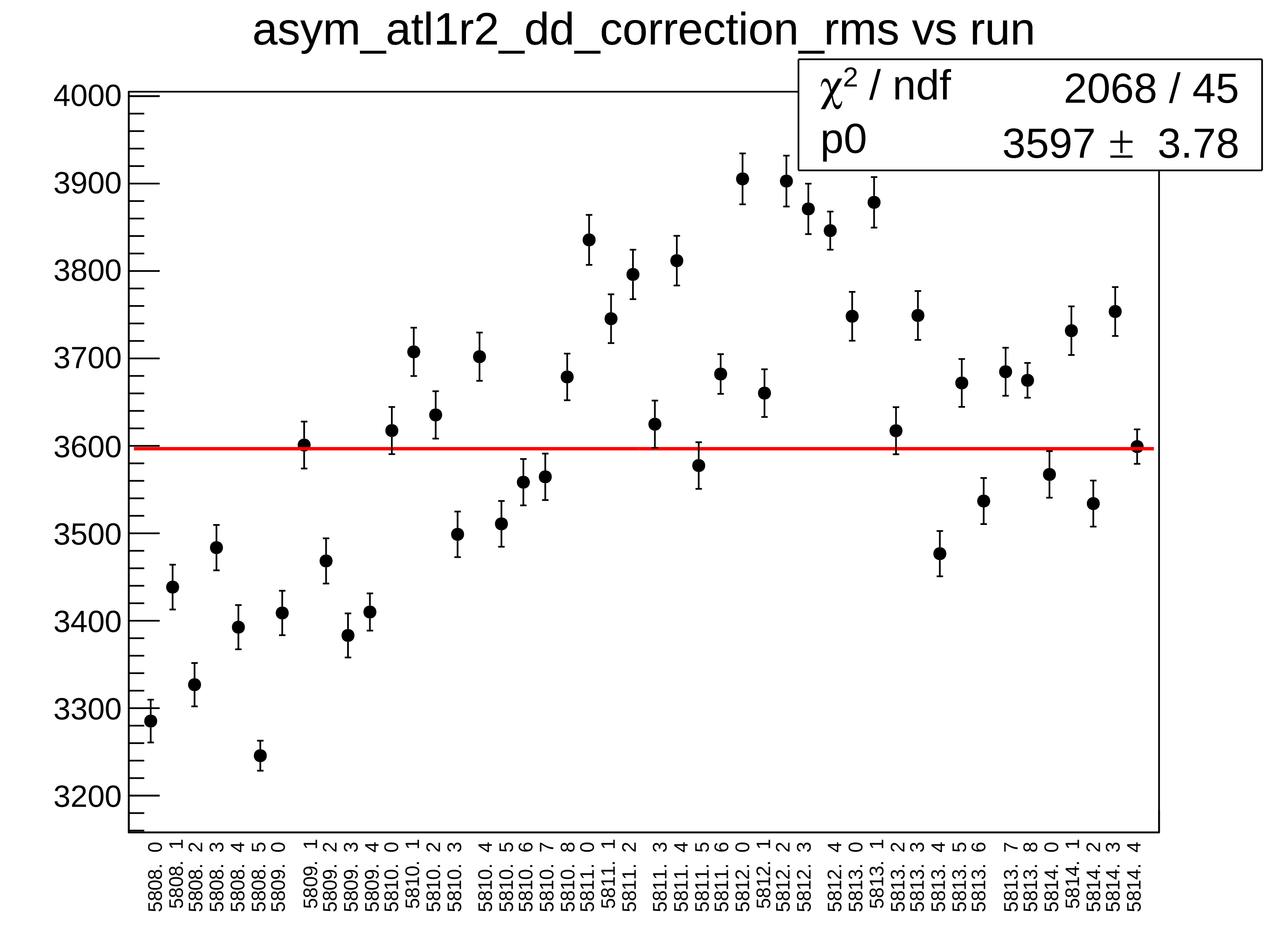
reg_asym_atl1r2_dd_mean vs run
χ^2 / ndf 39.44 / 45
p0 −2271 ± 3225
pull
Entries 46
Mean −145.4
Std Dev 174.7
pull1D
Entries 46
Mean 0.01314
Std Dev 0.9259

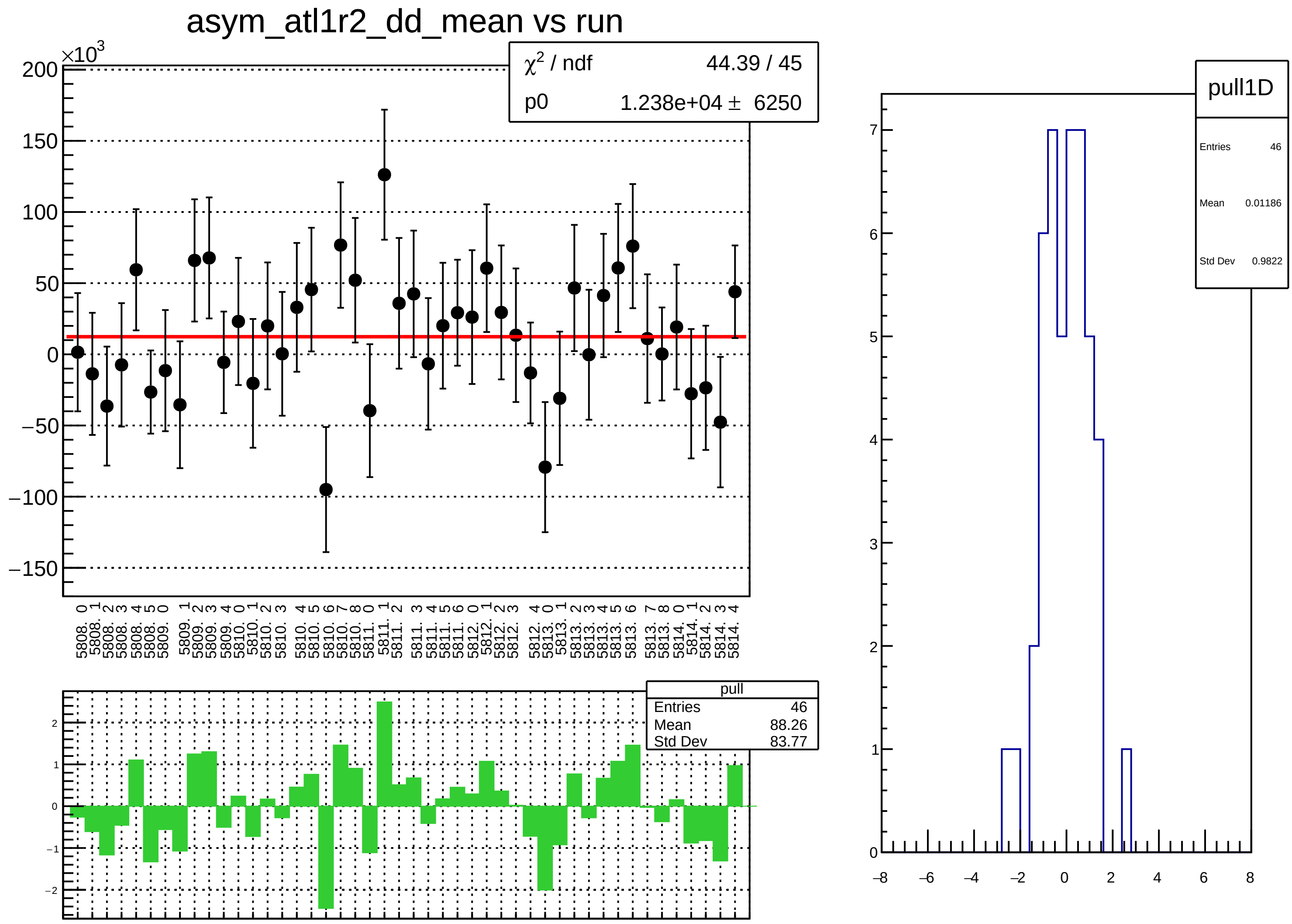


reg_asym_atl1r2_dd_rms vs run
χ2 / ndf 60.79 / 45
p0 2172 ± 2.281
2240
2220
2200
2180
2160
2140
2120

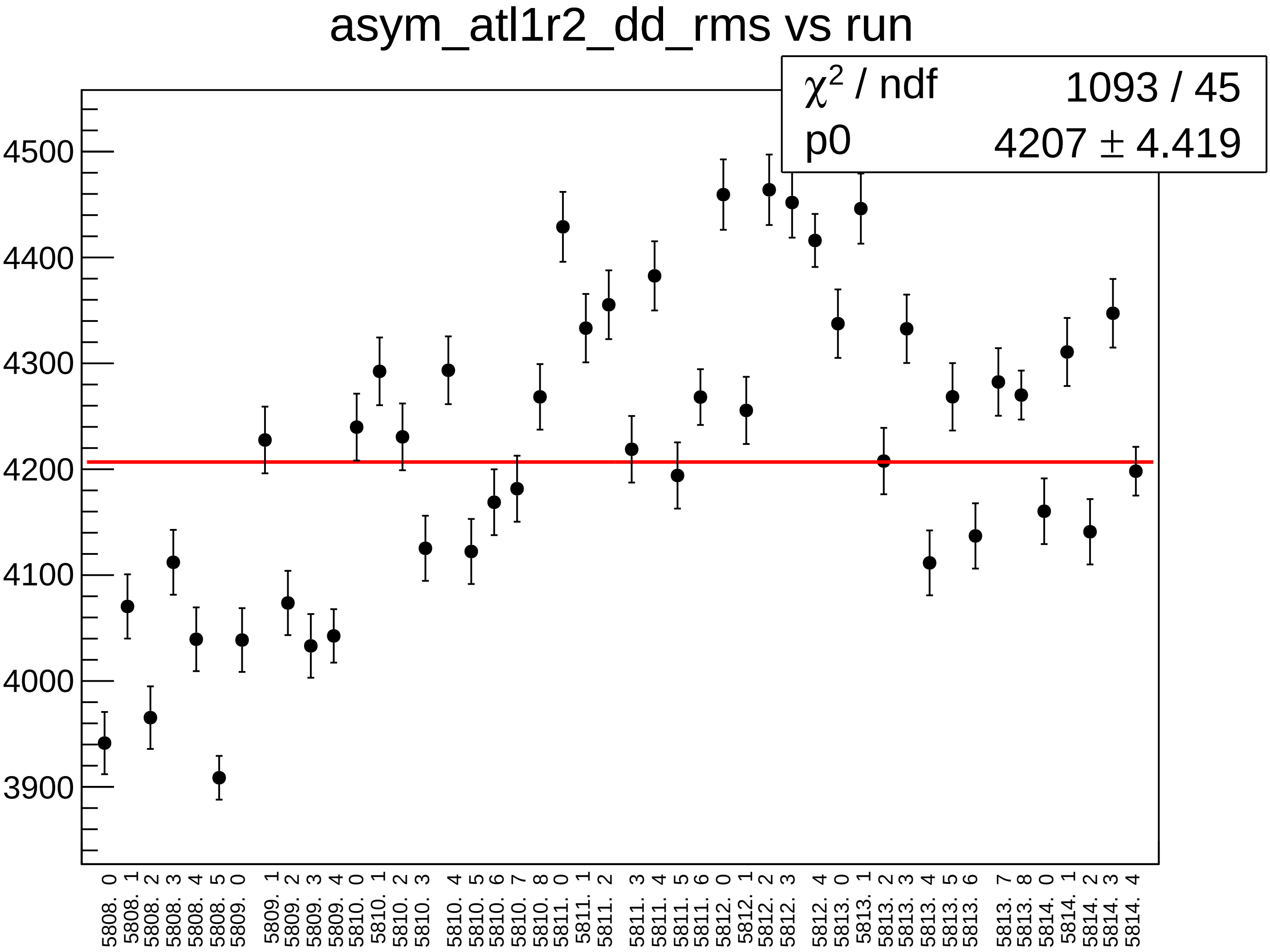


asym_atl1r2_dd_correction_mean vs run
χ^2 / ndf 48.75 / 45
p0 −1.449e+04 ± 5346
×10^3
pull
Entries 46
Mean 287
Std Dev 268.5
pull1D
Entries 46
Mean −0.008631
Std Dev 1.029

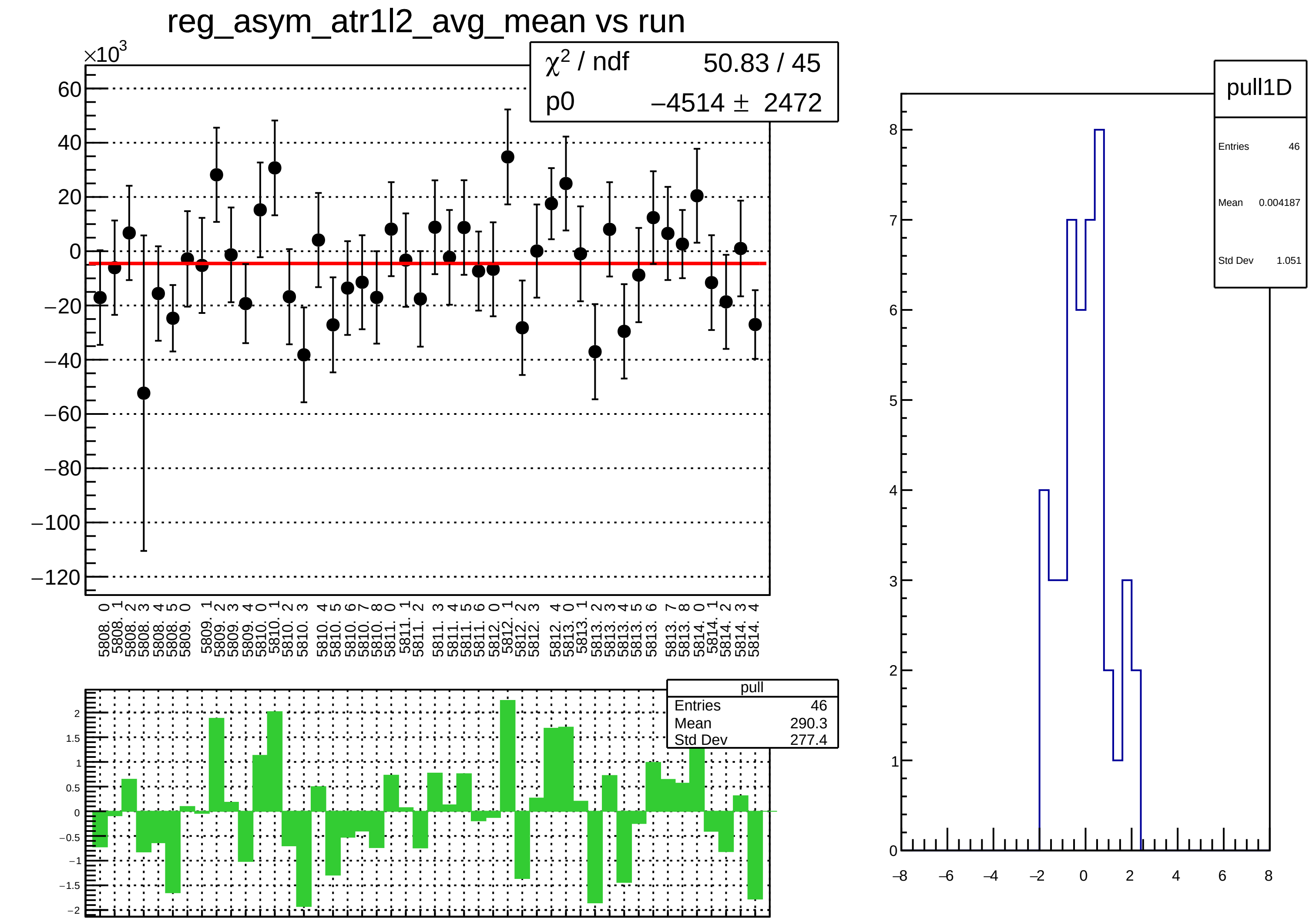

asym_atl1r2_dd_correction_rms vs run
χ2 / ndf 2068 / 45
p0 3597 ± 3.78
4000
3900
3800
3700
3600
3500
3400
3300
3200



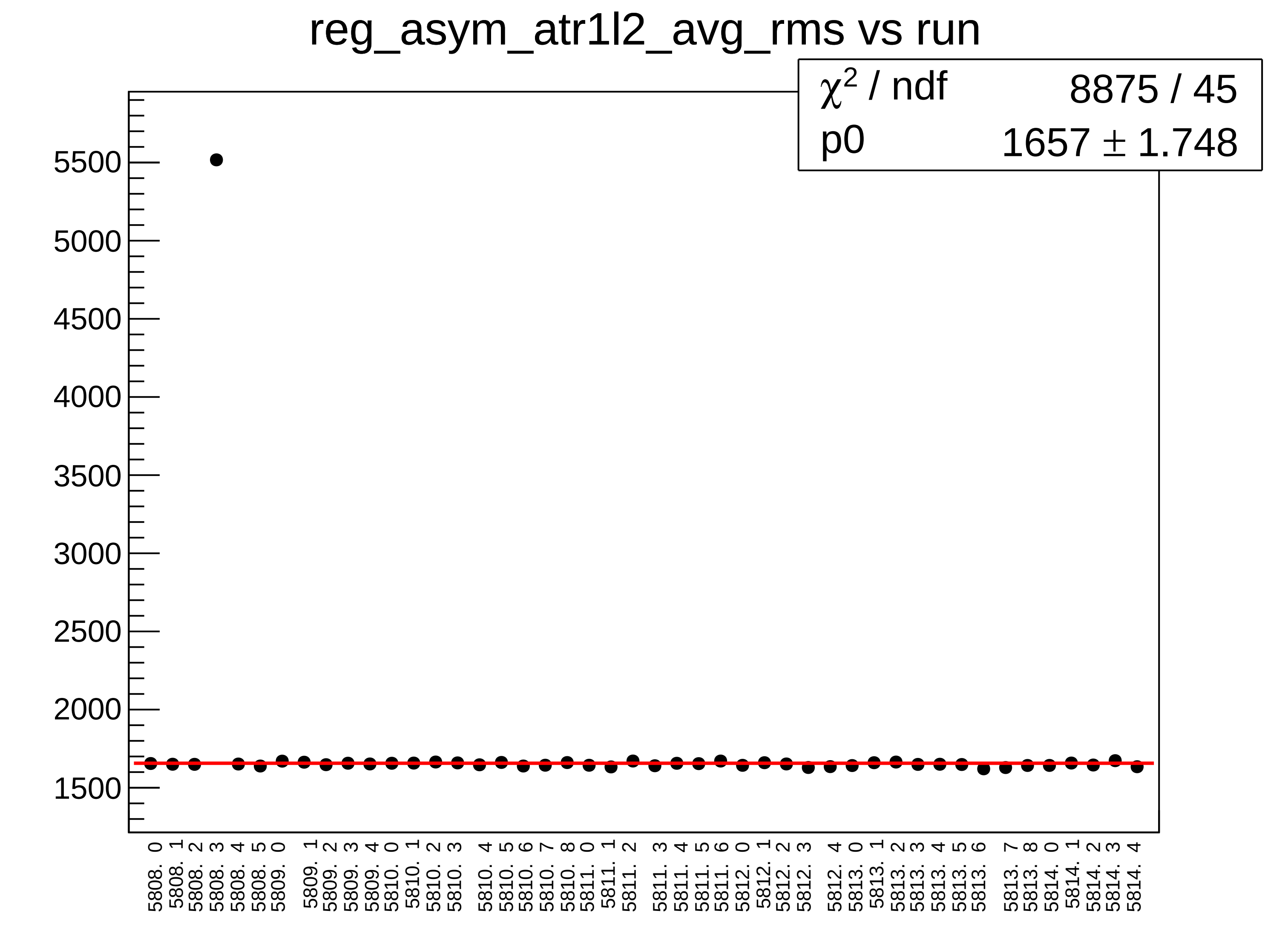
asym_atl1r2_dd_mean vs run
χ^2 / ndf 44.39 / 45
p0 1.238e+04 ± 6250
pull
Entries 46
Mean 88.26
Std Dev 83.77
pull1D
Entries 46
Mean 0.01186
Std Dev 0.9822

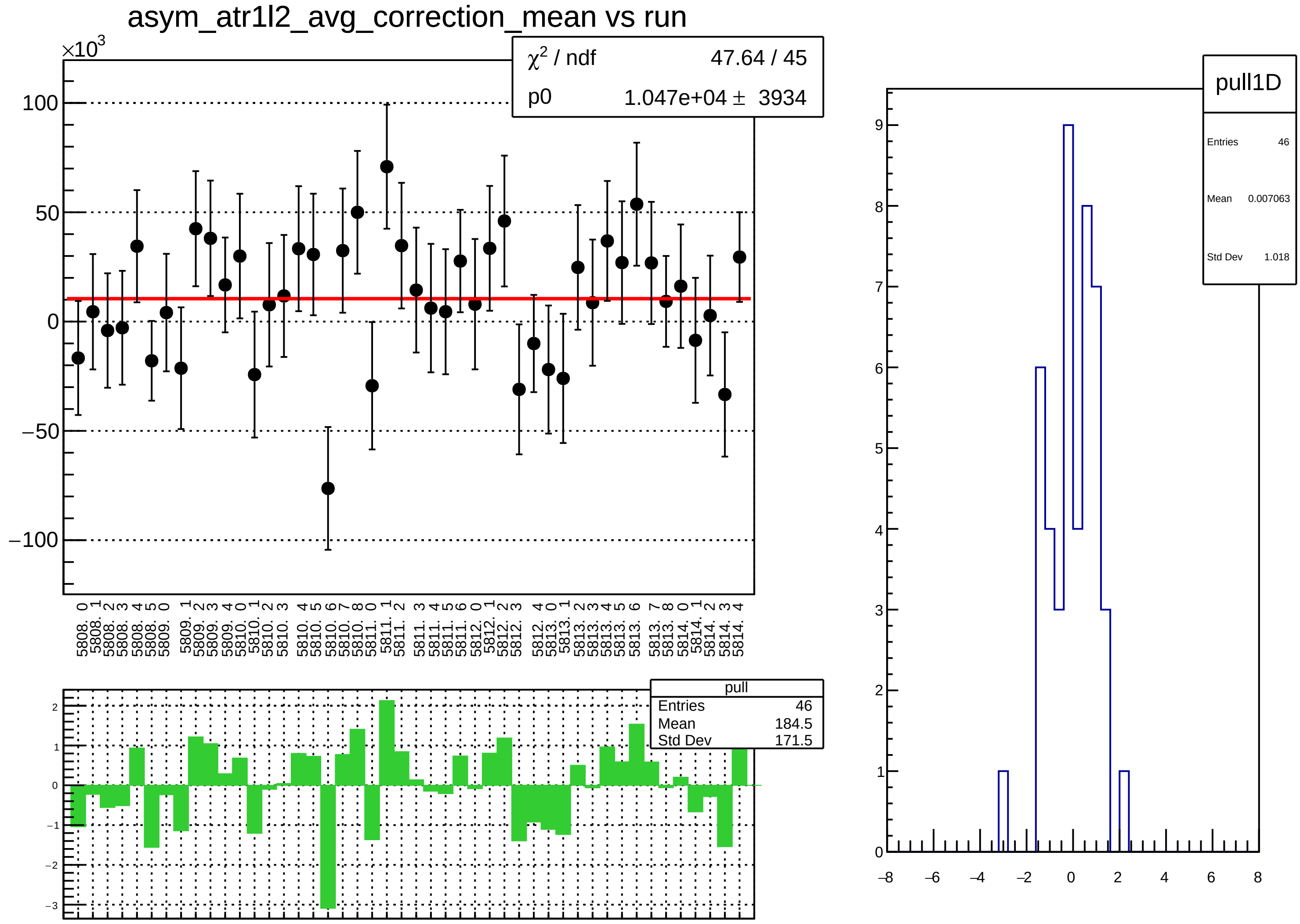


asym_atl1r2_dd_rms vs run
χ2 / ndf 1093 / 45
p0 4207 ± 4.419
4500
4400
4300
4200
4100
4000
3900

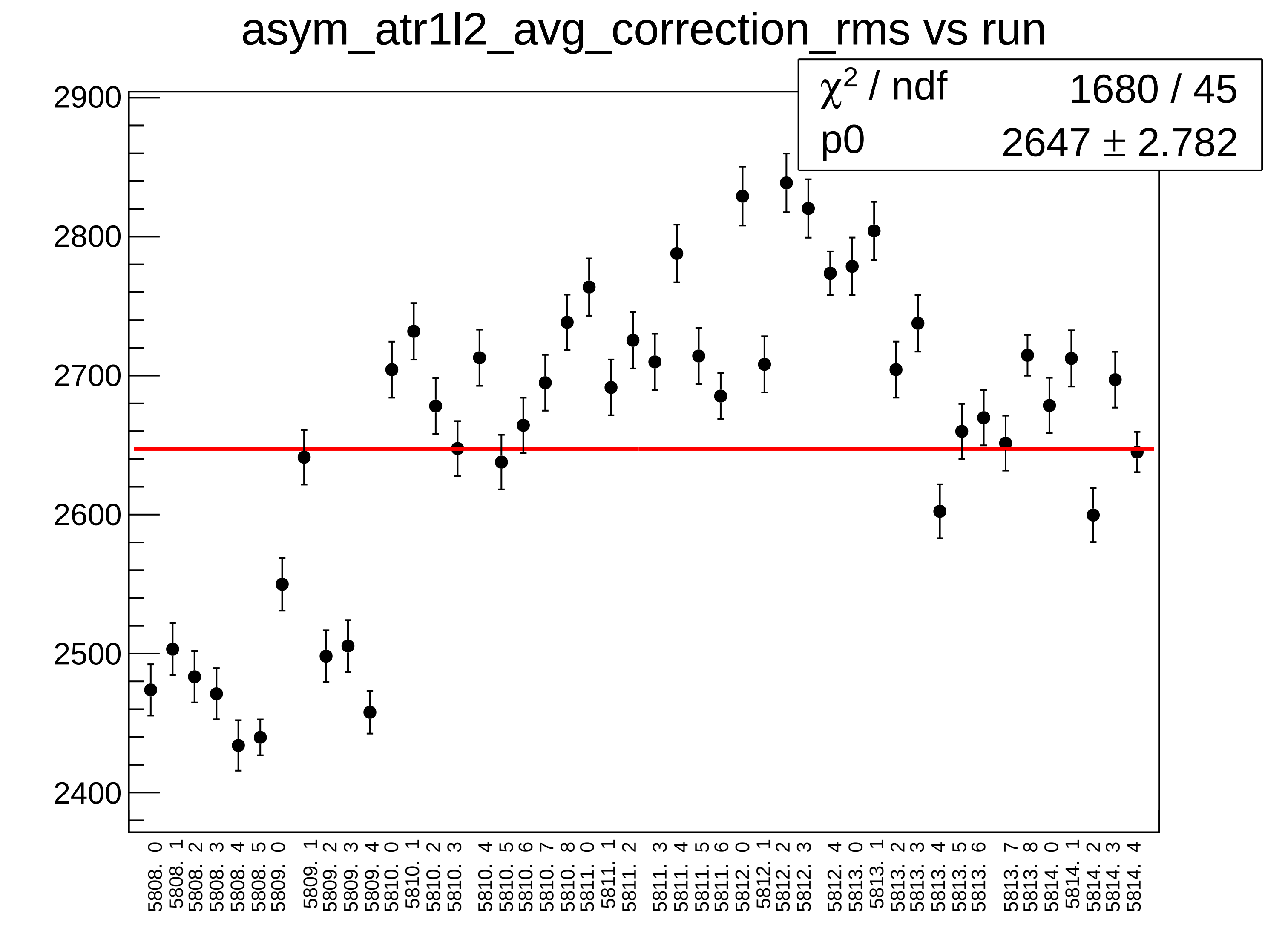


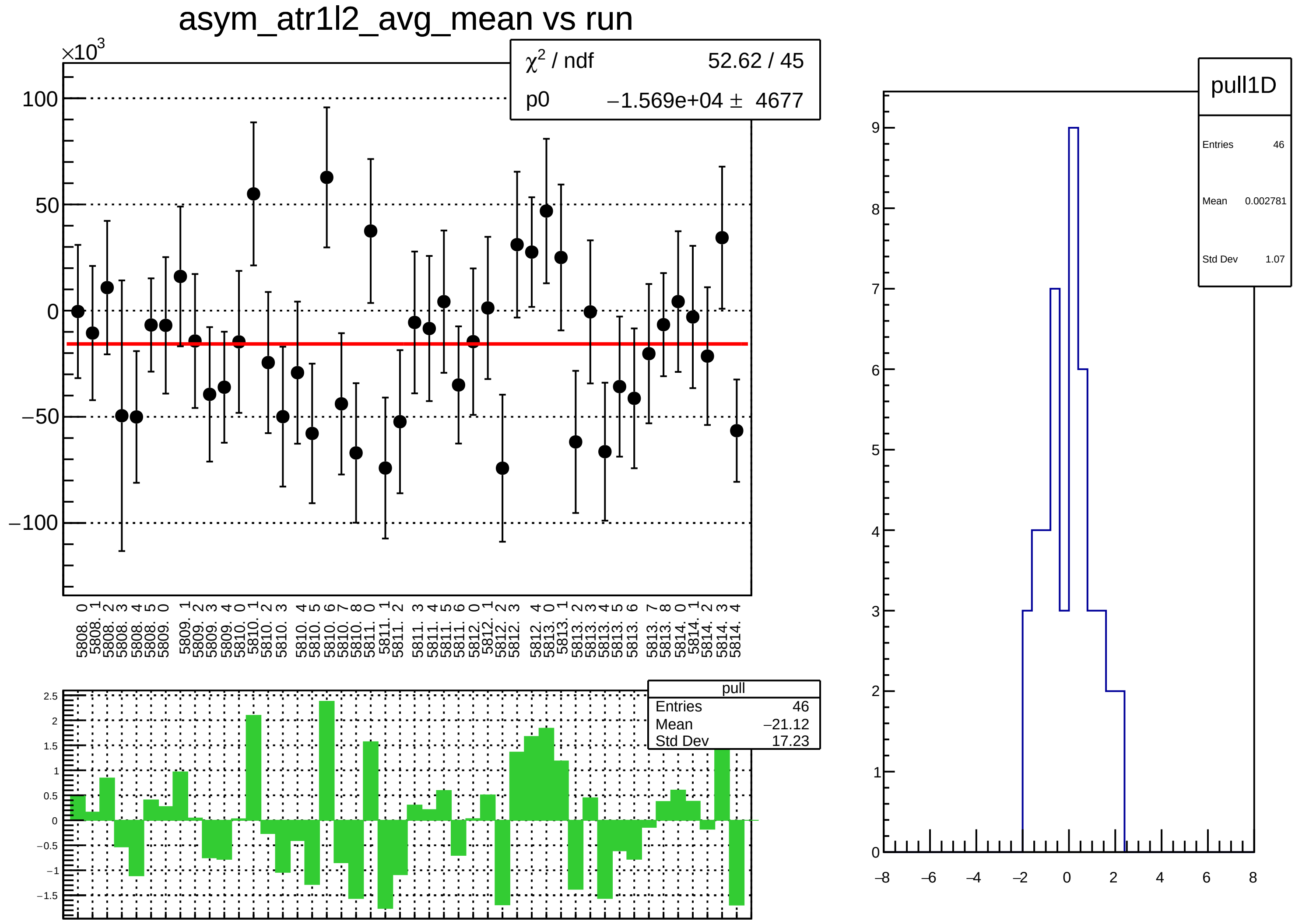
reg_asym_atr1l2_avg_mean vs run
χ2 / ndf 50.83 / 45
p0 −4514 ± 2472
×10^3
pull
Entries 46
Mean 290.3
Std Dev 277.4
pull1D
Entries 46
Mean 0.004187
Std Dev 1.051

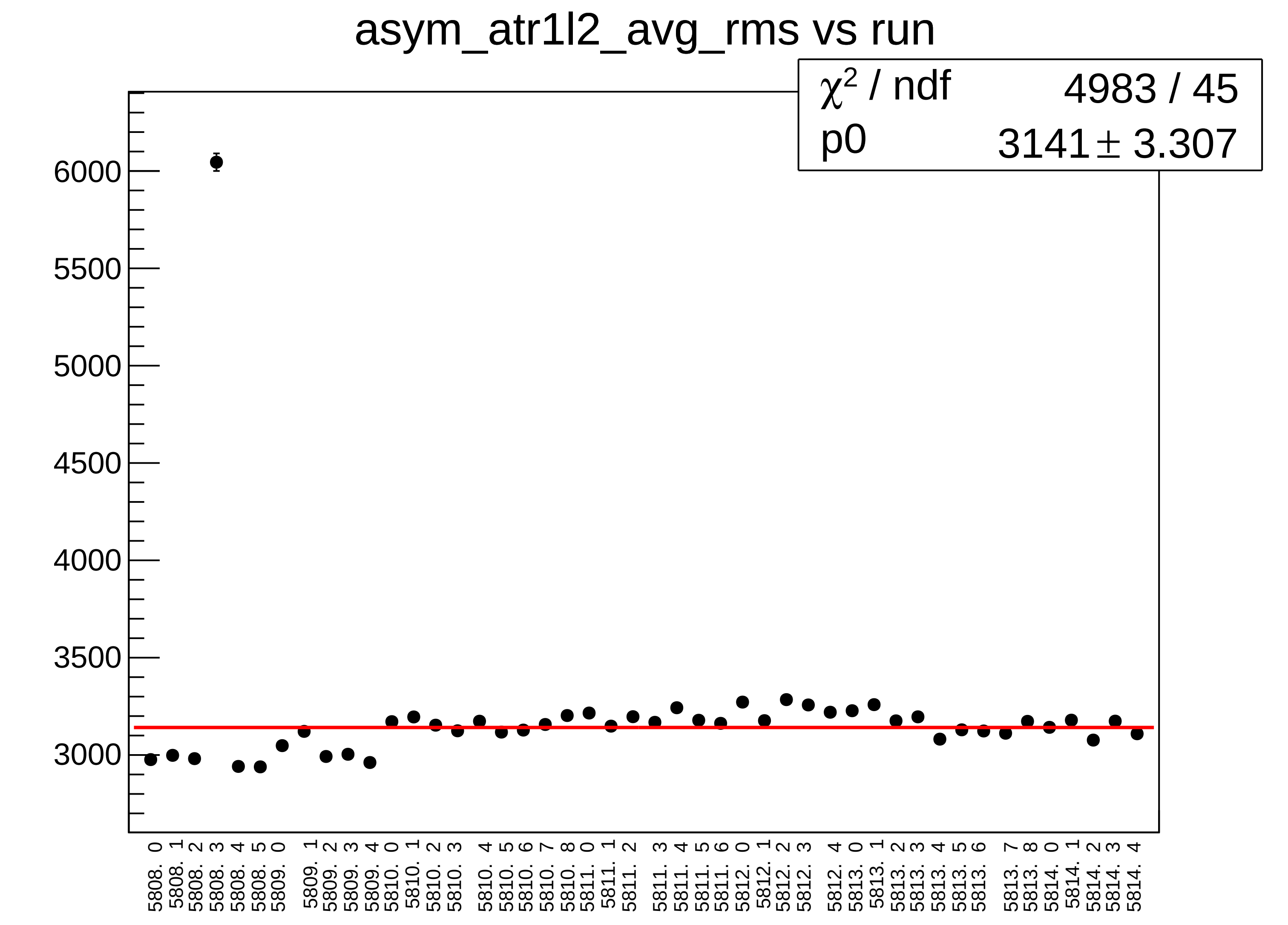

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 8875 / 45
p0 1657 ± 1.748
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

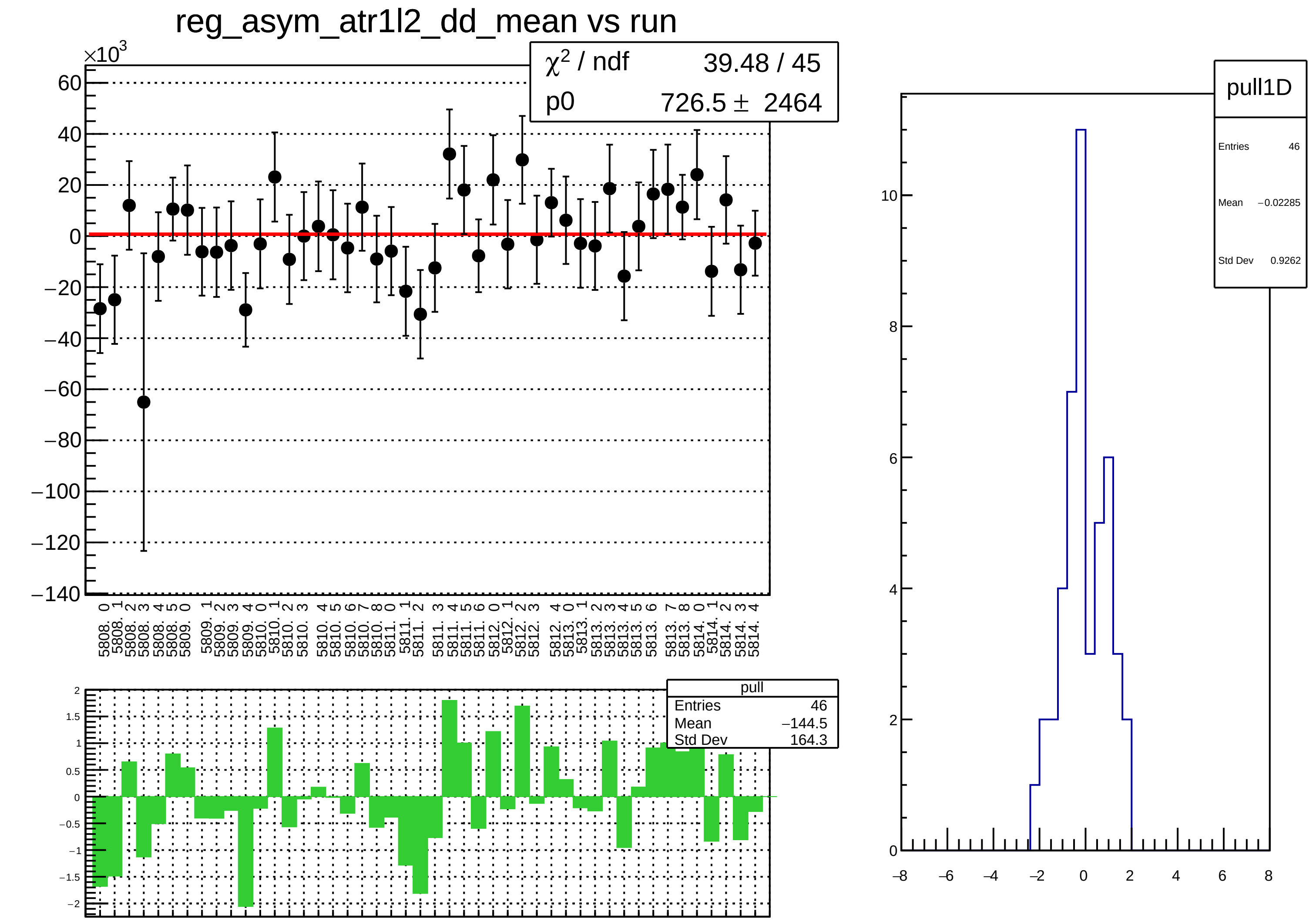


asym_atr1l2_avg_correction_mean vs run
×10^3
χ2 / ndf 47.64 / 45
p0 1.047e+04 ± 3934
100
50
0
−50
−100
pull
Entries 46
Mean 184.5
Std Dev 171.5
pull1D
Entries 46
Mean 0.007063
Std Dev 1.018

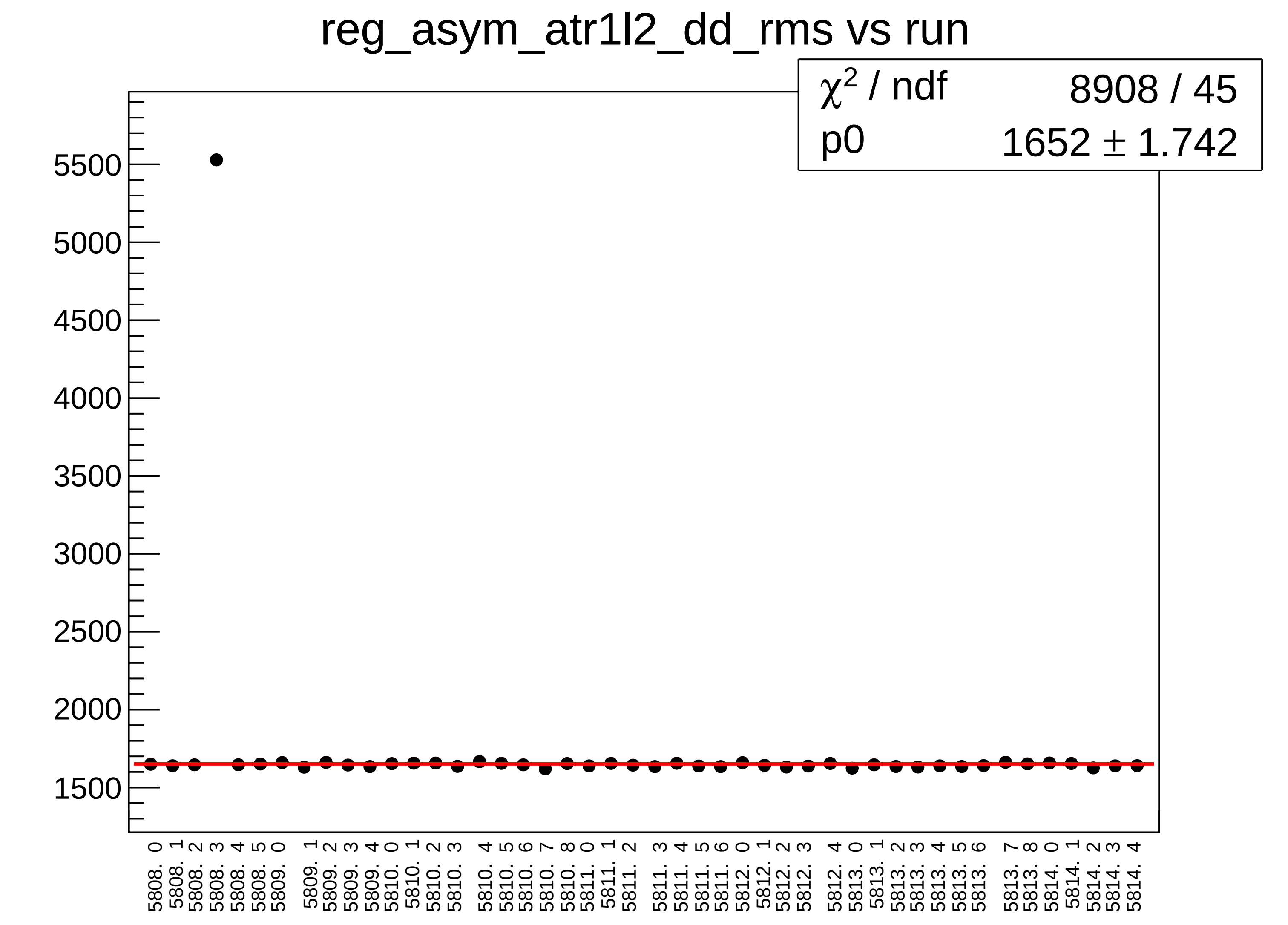

asym_atr1l2_avg_correction_rms vs run
χ^2 / ndf 1680 / 45
p0 2647 ± 2.782
2900
2800
2700
2600
2500
2400


asym_atr1l2_avg_mean vs run
χ2 / ndf 52.62 / 45
p0 −1.569e+04 ± 4677
pull1D
Entries 46
Mean 0.002781
Std Dev 1.07
pull
Entries 46
Mean −21.12
Std Dev 17.23

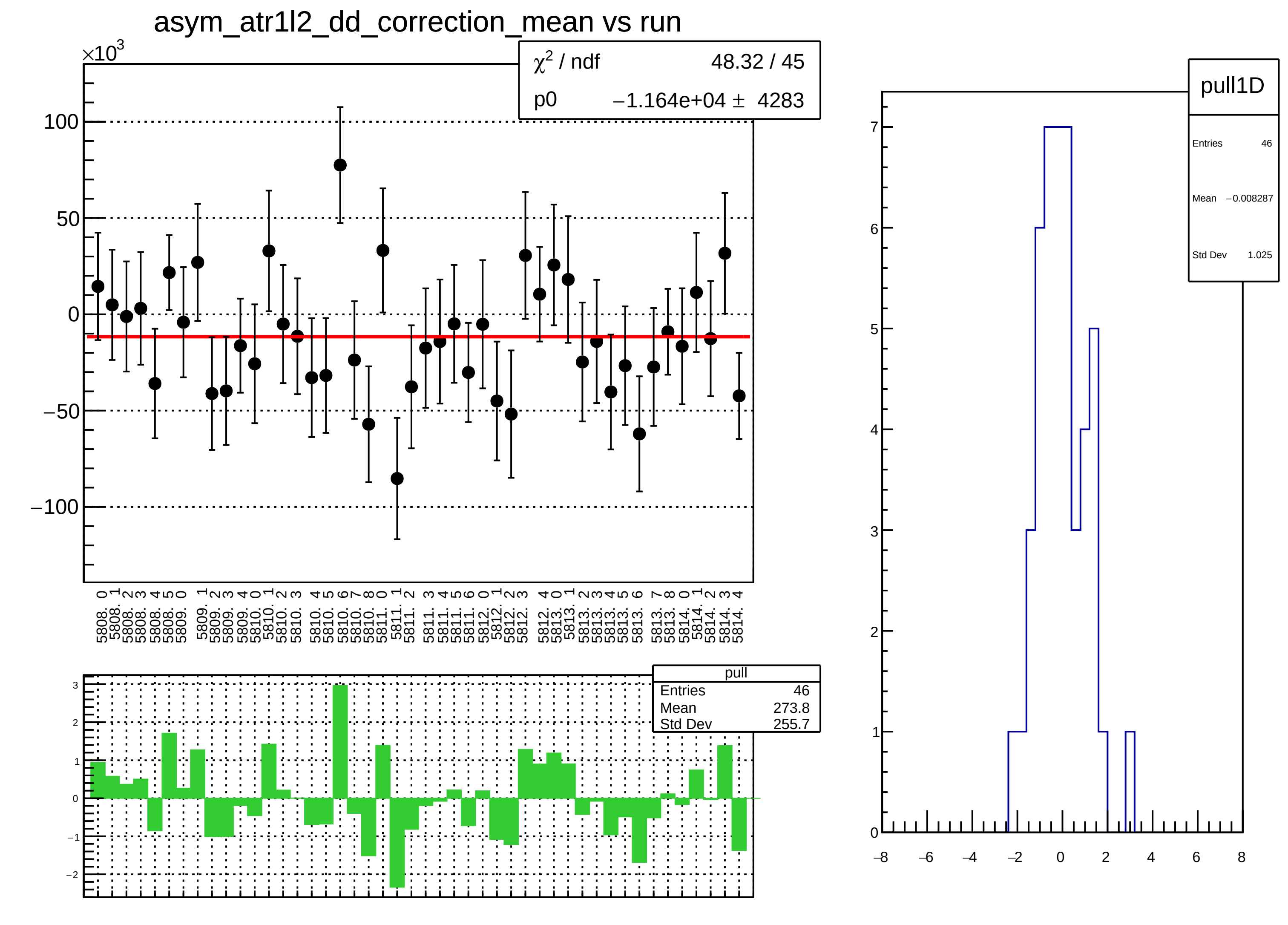

asym_atr1l2_avg_rms vs run
χ2 / ndf 4983 / 45
p0 3141 ± 3.307
6000
5500
5000
4500
4000
3500
3000



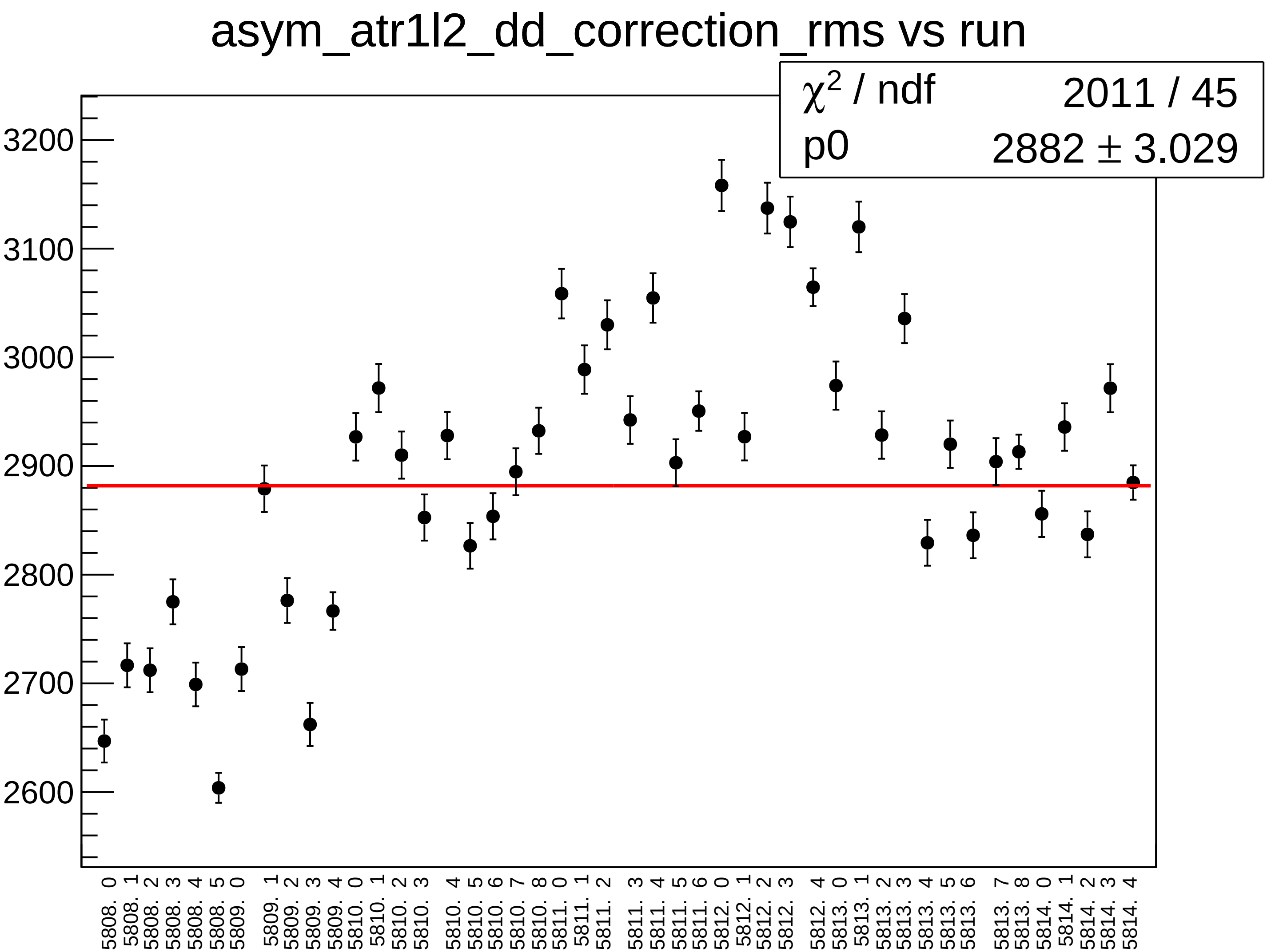
reg_asym_atr1l2_dd_mean vs run
χ2 / ndf 39.48 / 45
p0 726.5 ± 2464
pull
Entries 46
Mean −144.5
Std Dev 164.3
pull1D
Entries 46
Mean −0.02285
Std Dev 0.9262



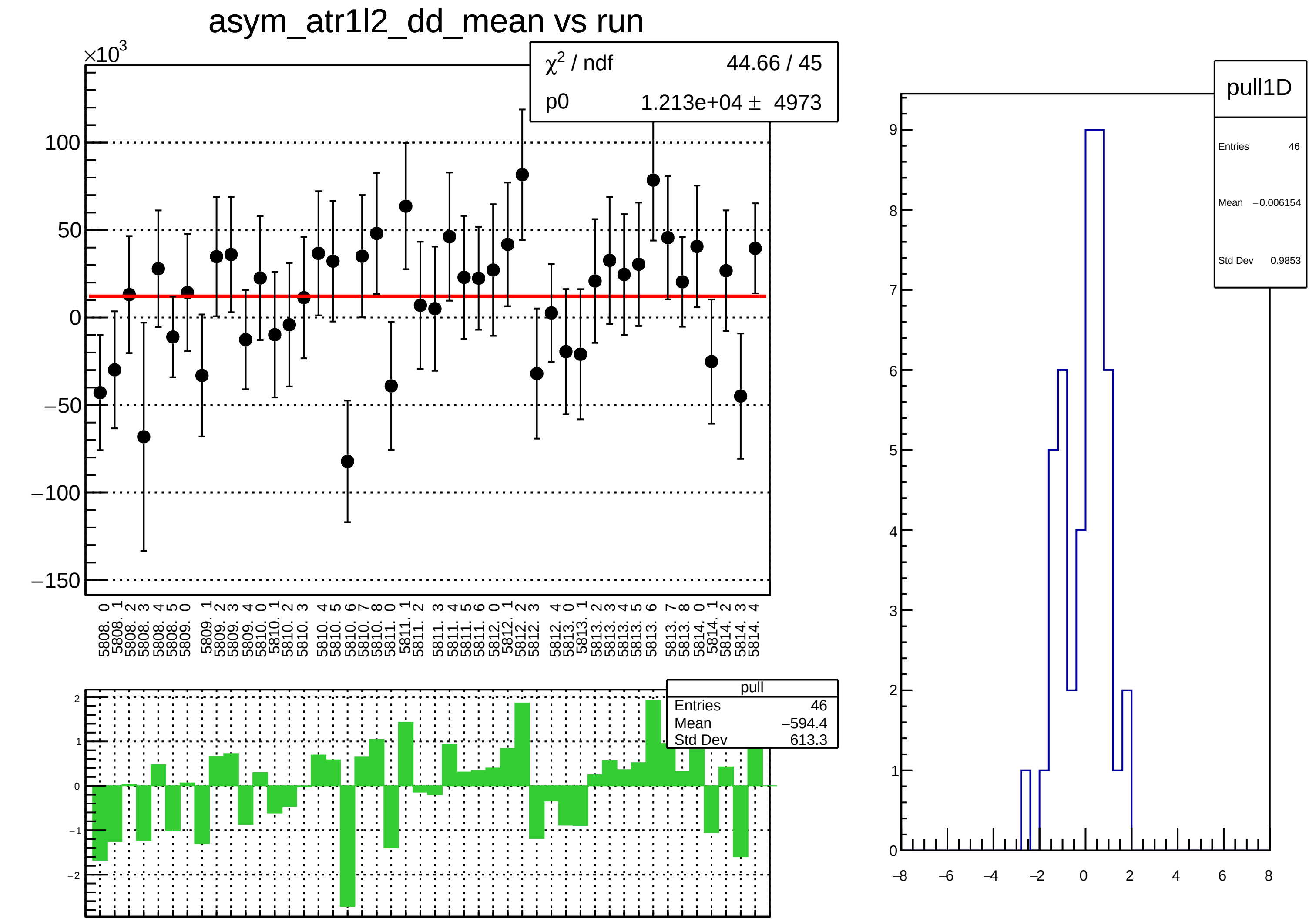
reg_asym_atr1l2_dd_rms vs run
χ^2 / ndf 8908 / 45
p0 1652 ± 1.742
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



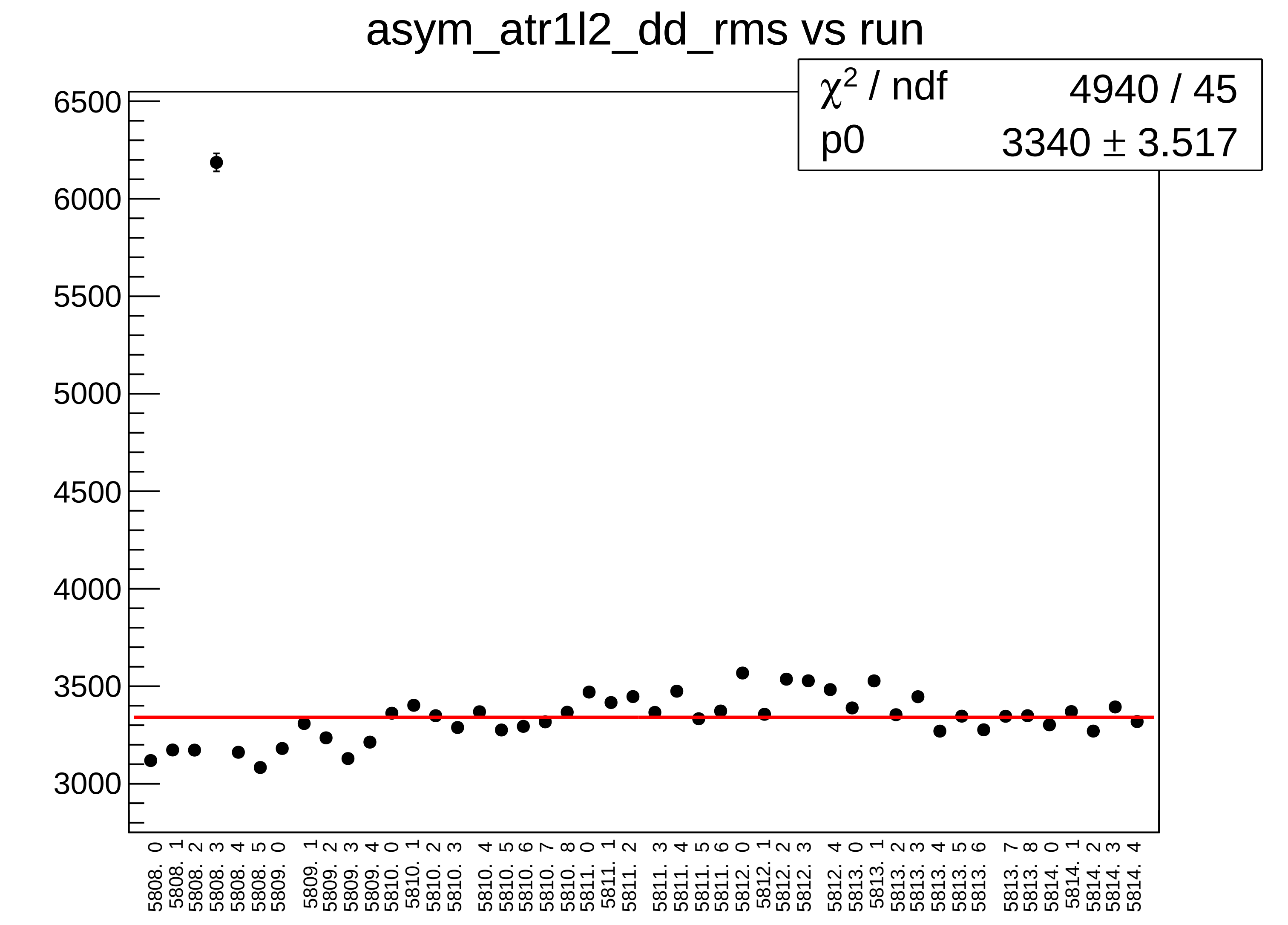
asym_atr1l2_dd_correction_mean vs run
×10^3
χ2 / ndf 48.32 / 45
p0 −1.164e+04 ± 4283
100
50
0
−50
−100
pull
Entries 46
Mean 273.8
Std Dev 255.7
pull1D
Entries 46
Mean −0.008287
Std Dev 1.025



asym_atr1l2_dd_correction_rms vs run
χ² / ndf 2011 / 45
p0 2882 ± 3.029
3200
3100
3000
2900
2800
2700
2600



asym_atr1l2_dd_mean vs run
$\times10^3$
χ^2 / ndf 44.66 / 45
p0 1.213e+04 ± 4973
pull
Entries 46
Mean −594.4
Std Dev 613.3
pull1D
Entries 46
Mean −0.006154
Std Dev 0.9853


asym_atr1l2_dd_rms vs run
χ2 / ndf 4940 / 45
p0 3340 ± 3.517
6500
6000
5500
5000
4500
4000
3500
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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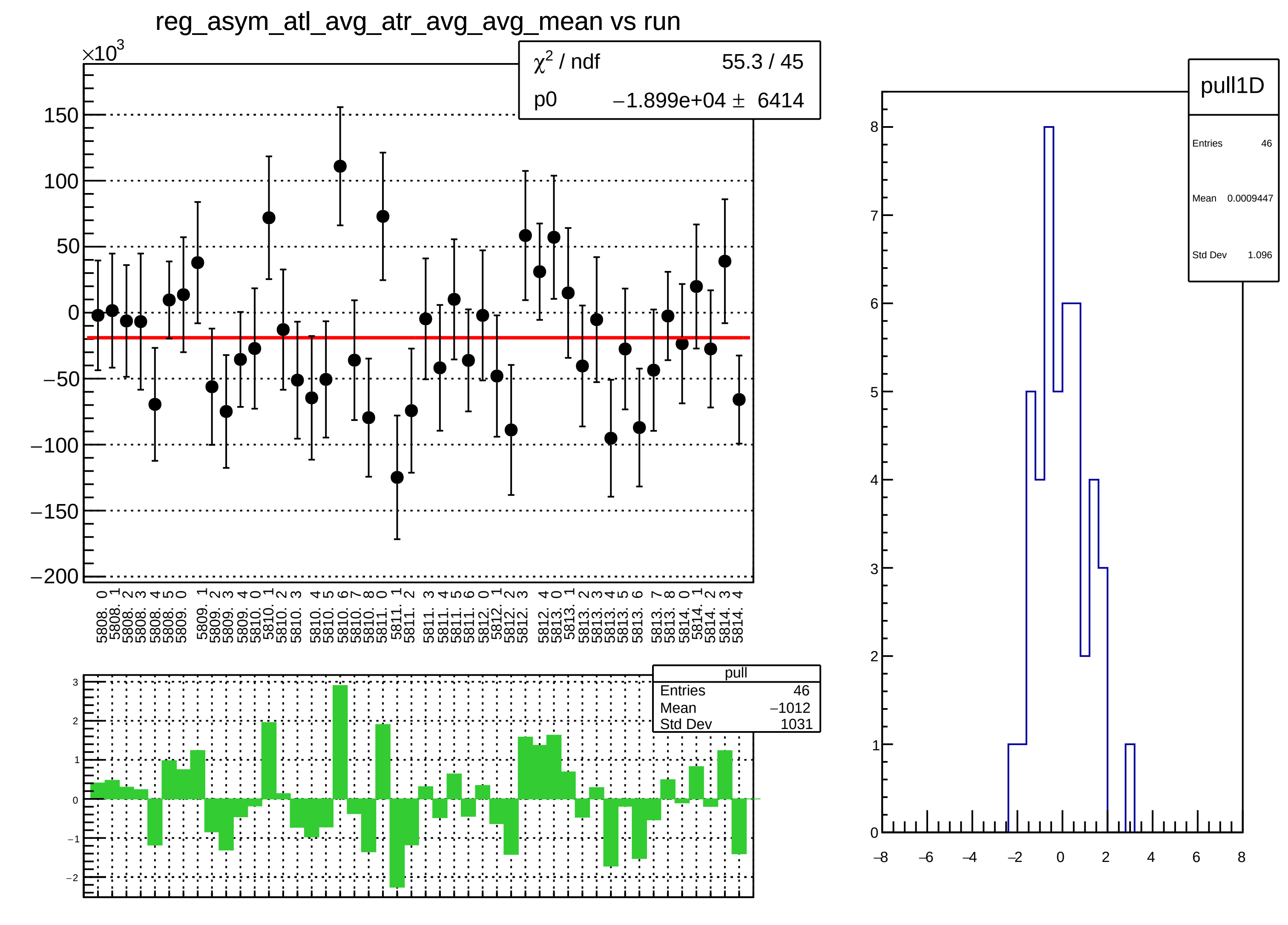
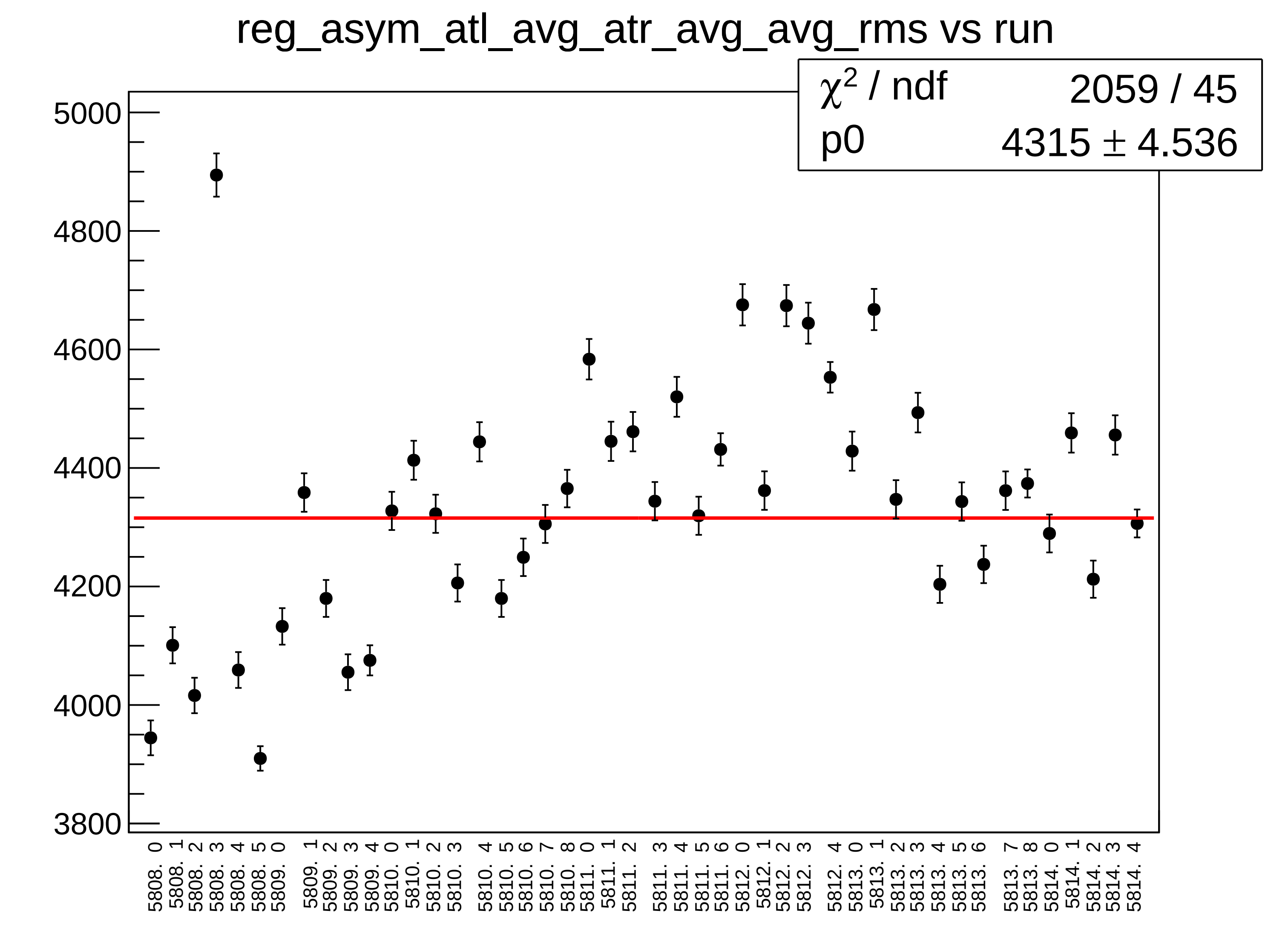
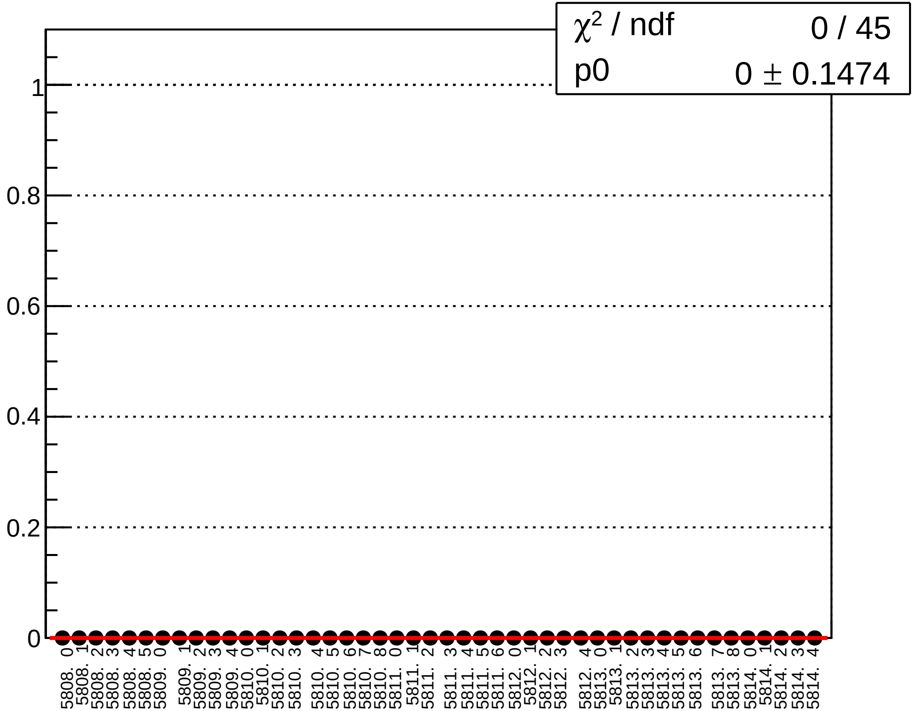
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

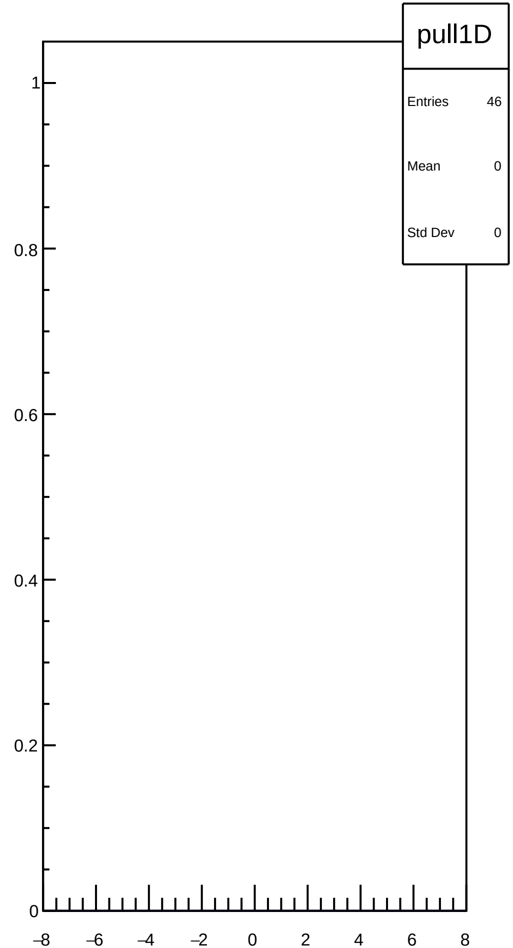


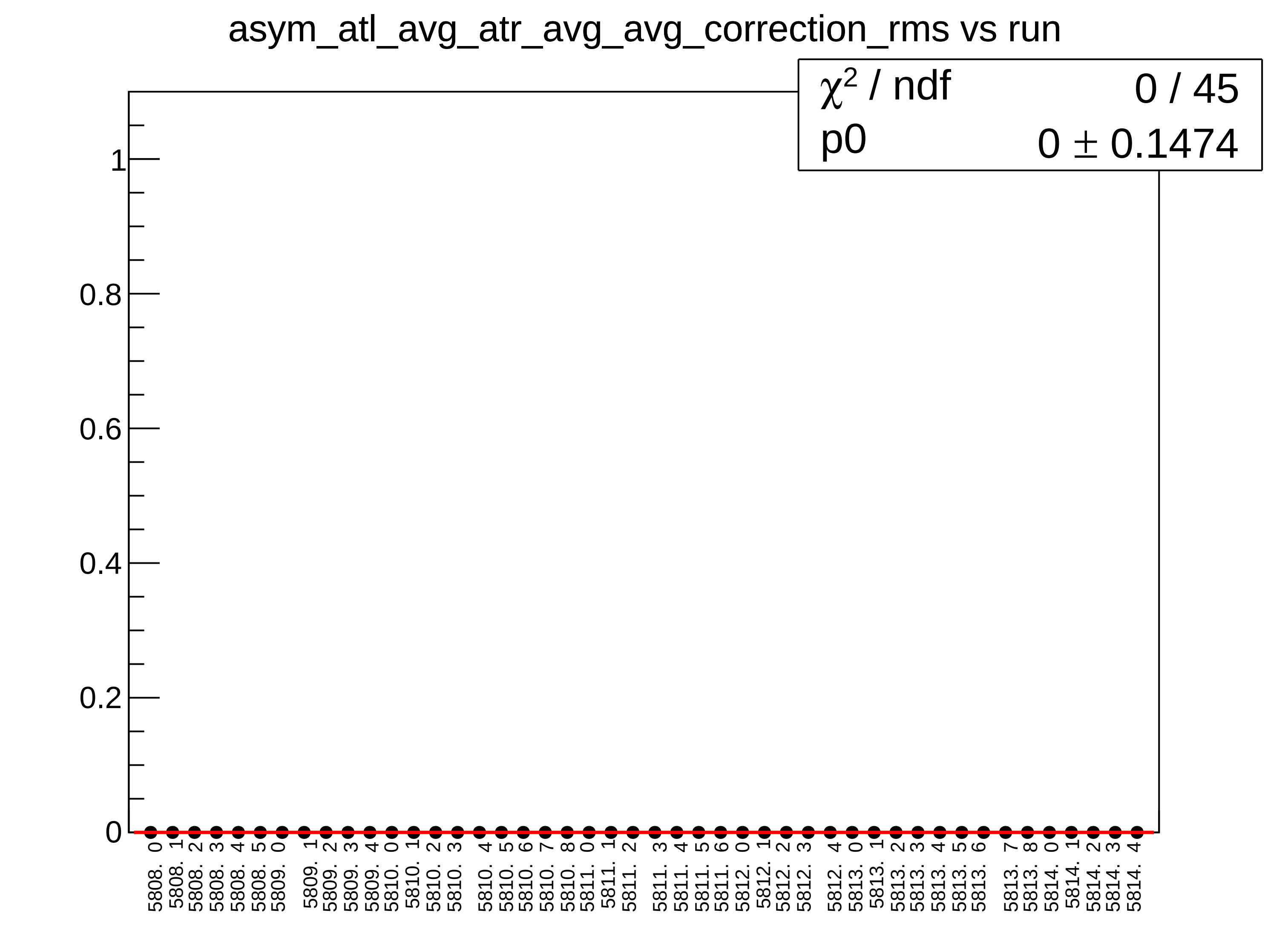
reg_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ2 / ndf 55.3 / 45
p0 −1.899e+04 ± 6414
pull
Entries 46
Mean −1012
Std Dev 1031
pull1D
Entries 46
Mean 0.0009447
Std Dev 1.096

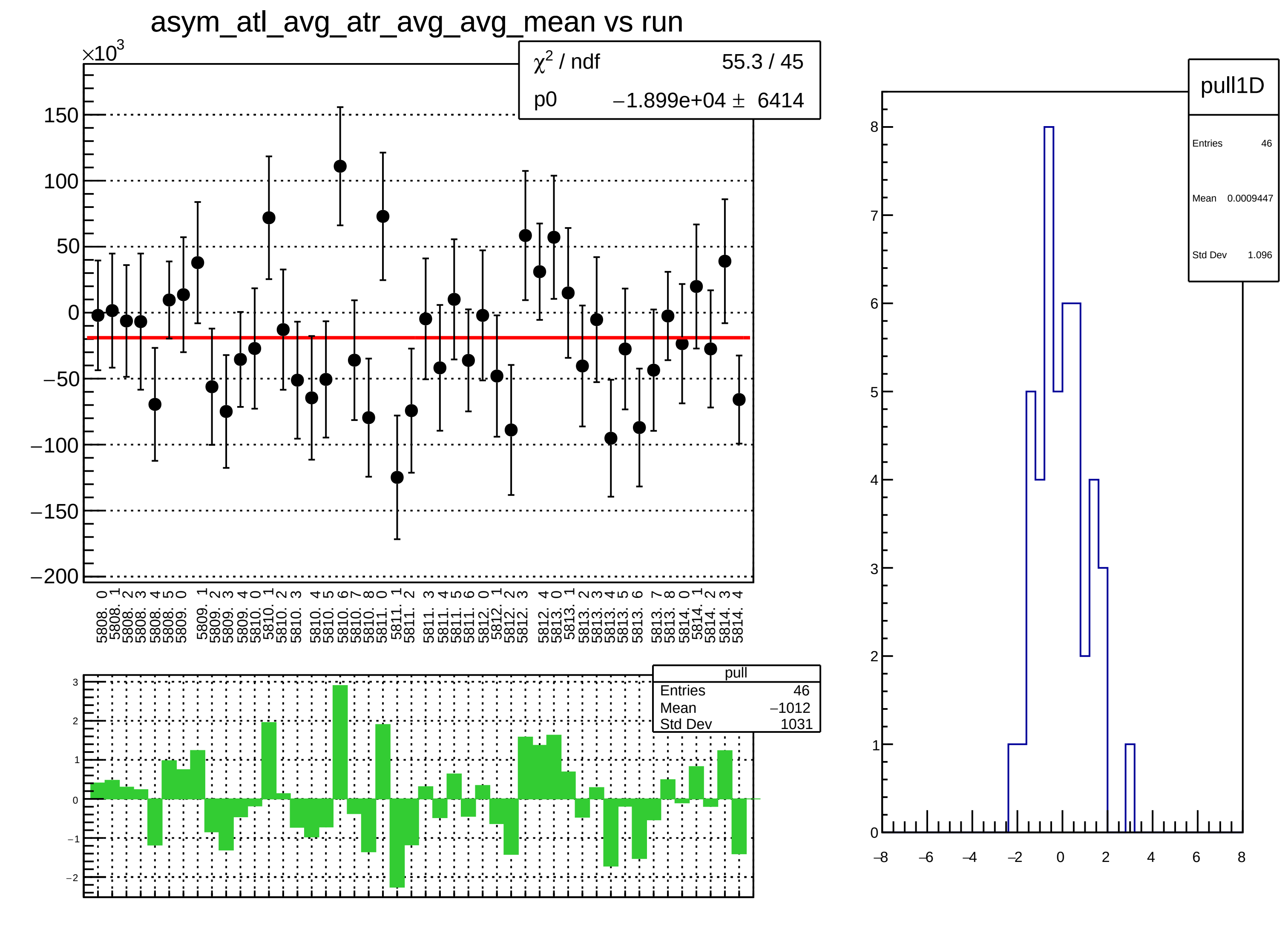

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2059 / 45
p0 4315 ± 4.536
5000
4800
4600
4400
4200
4000
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

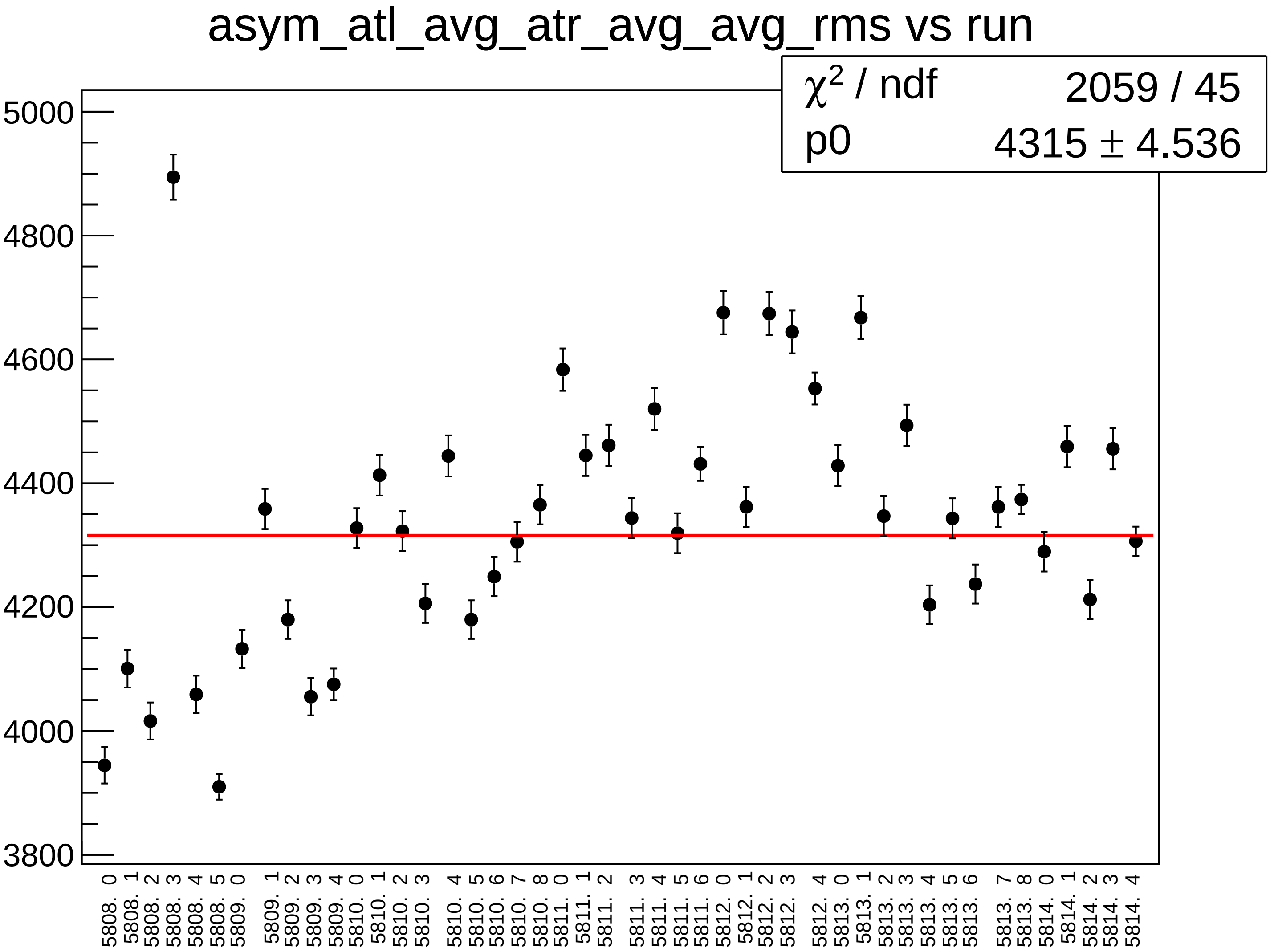
asym_atl_avg_atr_avg_avg_correction_mean vs run



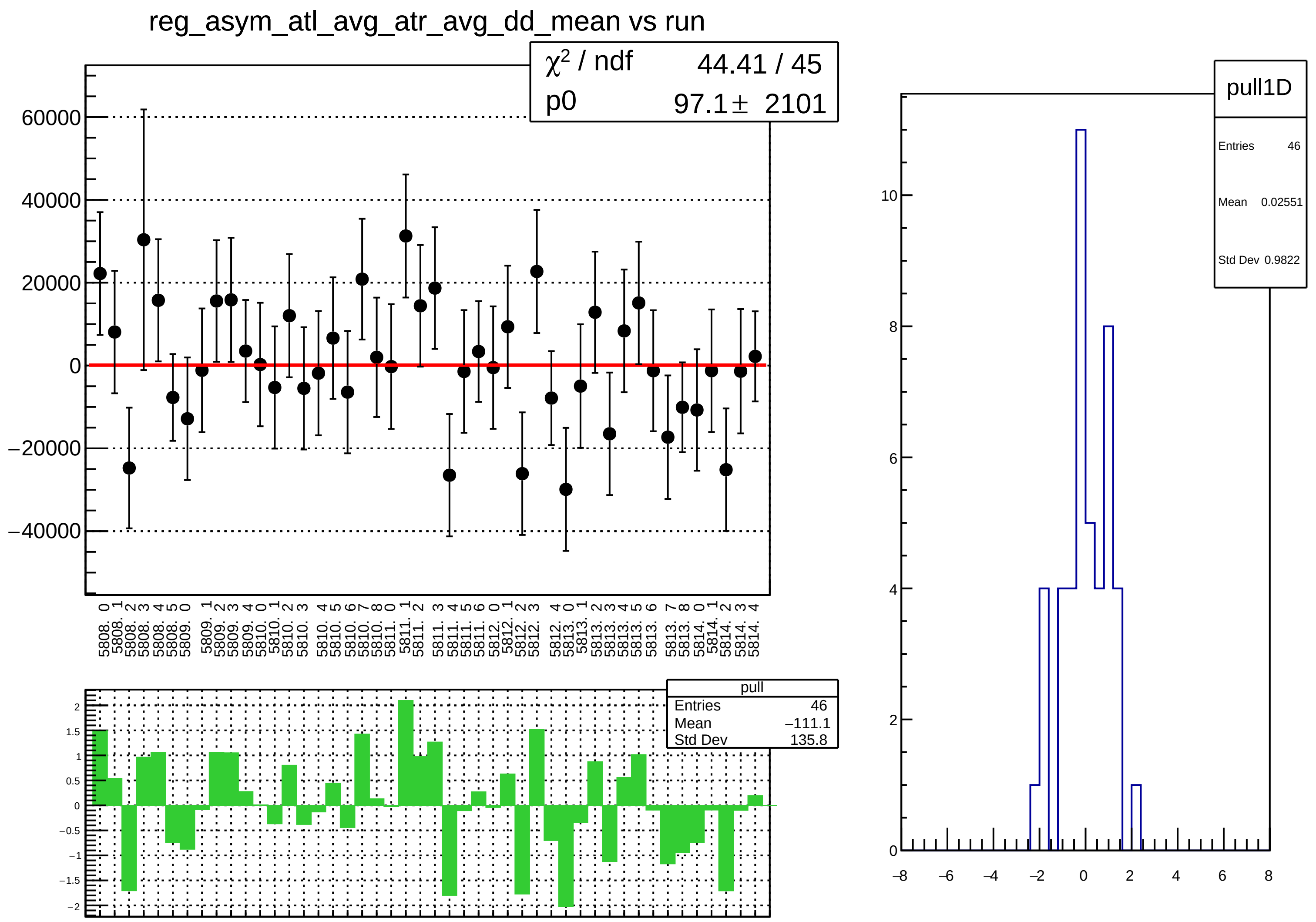



asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 0 / 45
p0 0 ± 0.1474
0
0.2
0.4
0.6
0.8
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

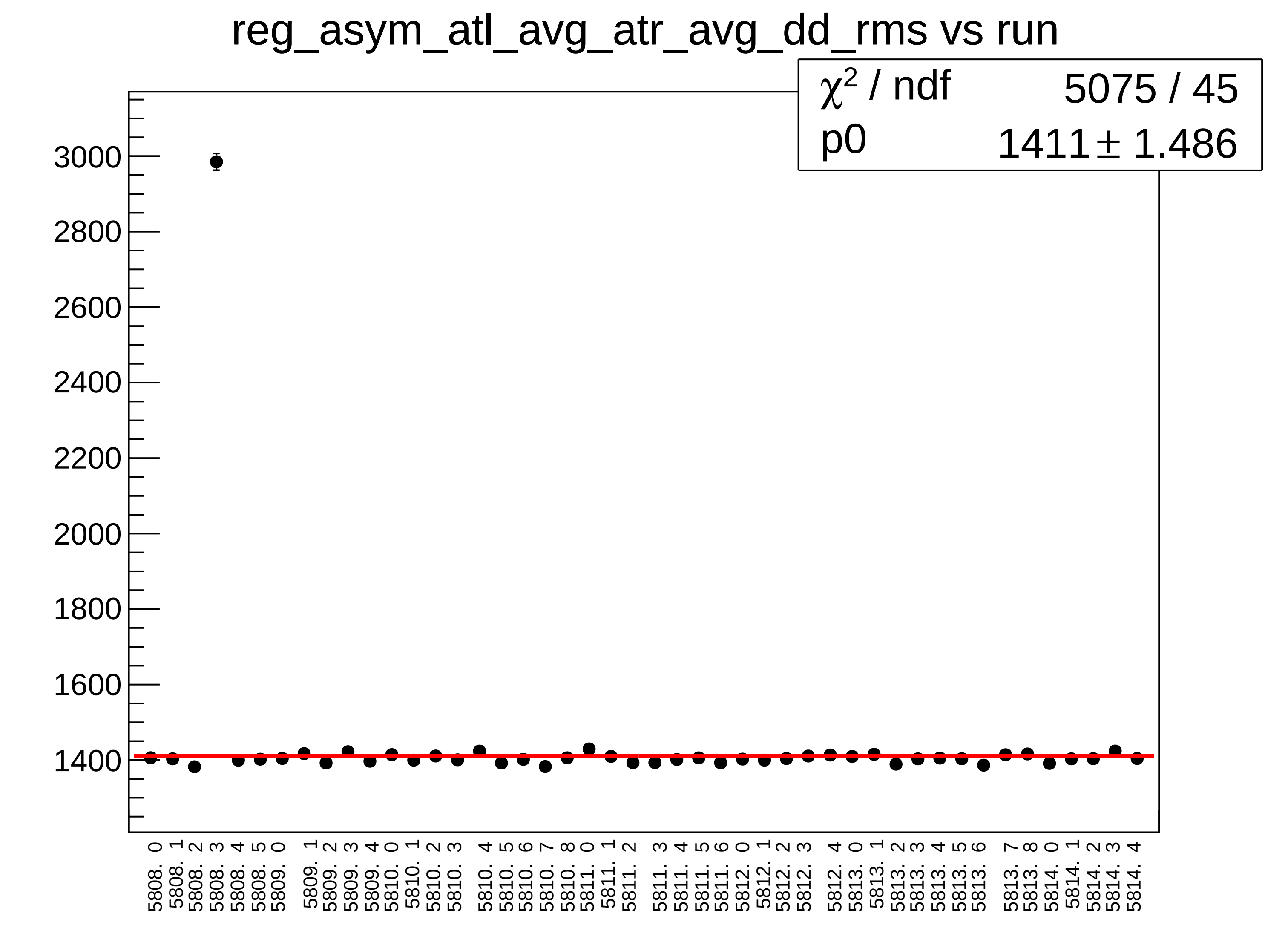

asym_atl_avg_atr_avg_avg_mean vs run
χ2 / ndf 55.3 / 45
p0 −1.899e+04 ± 6414
pull
Entries 46
Mean −1012
Std Dev 1031
pull1D
Entries 46
Mean 0.0009447
Std Dev 1.096



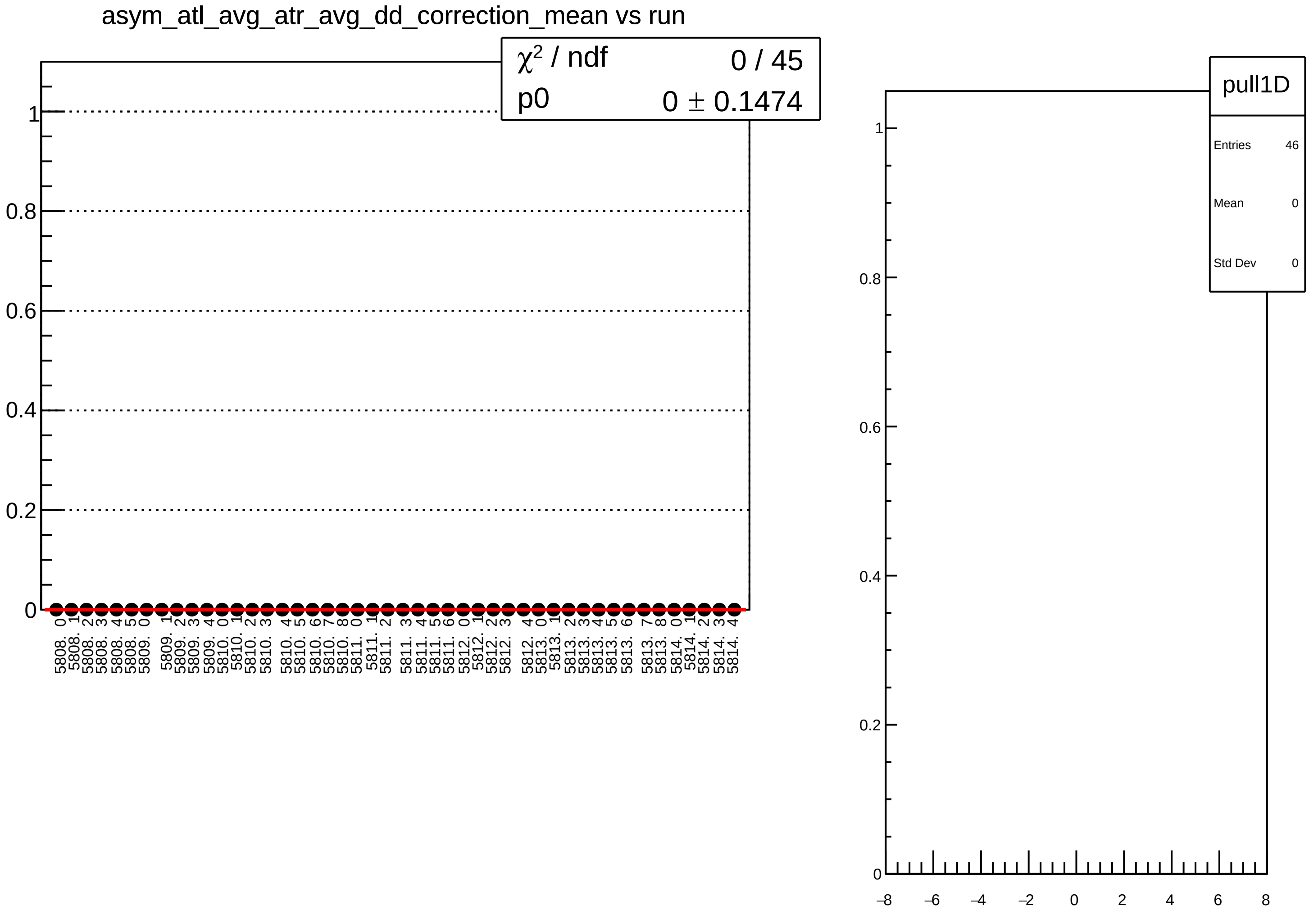
asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 2059 / 45
p0 4315 ± 4.536
5000
4800
4600
4400
4200
4000
3800

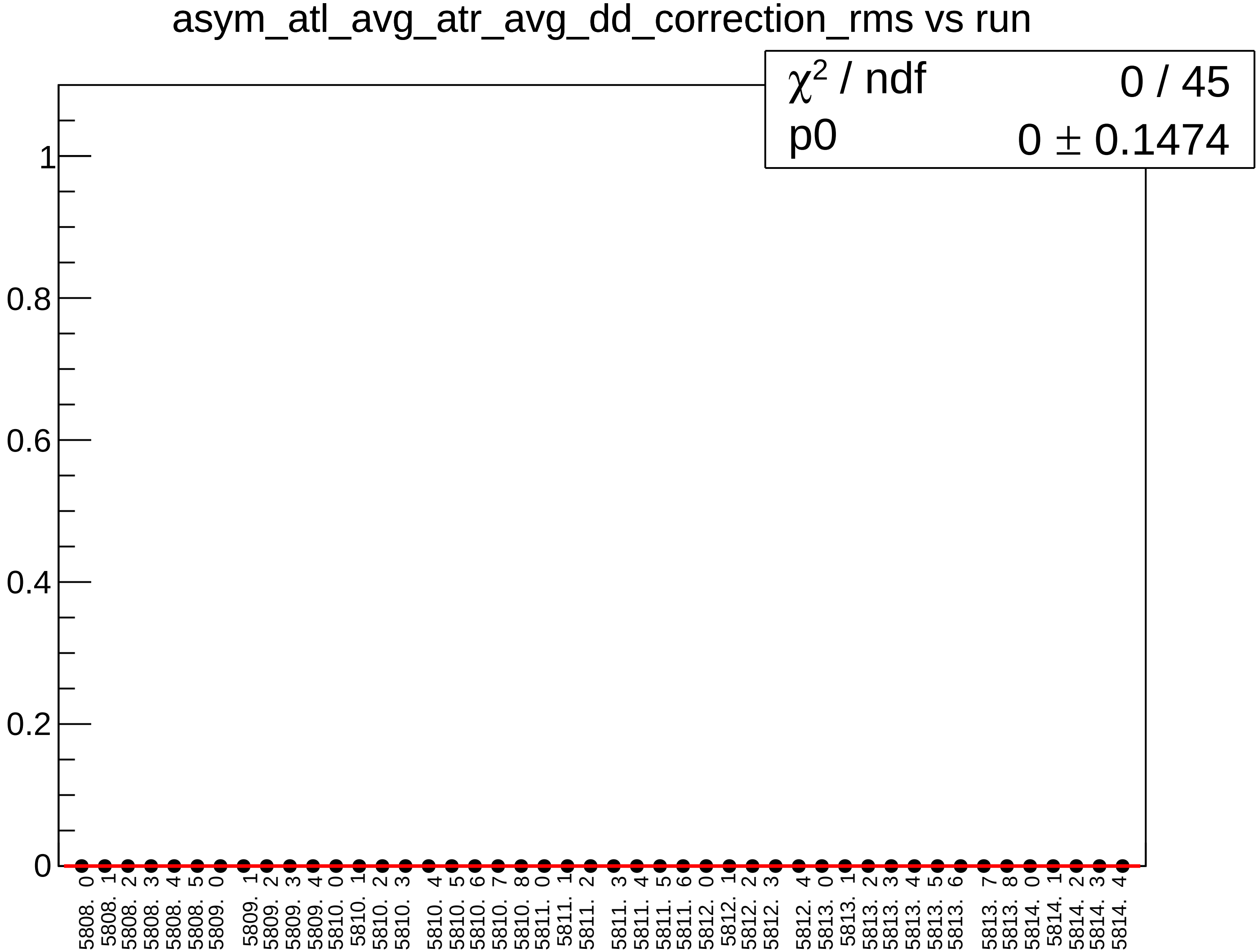


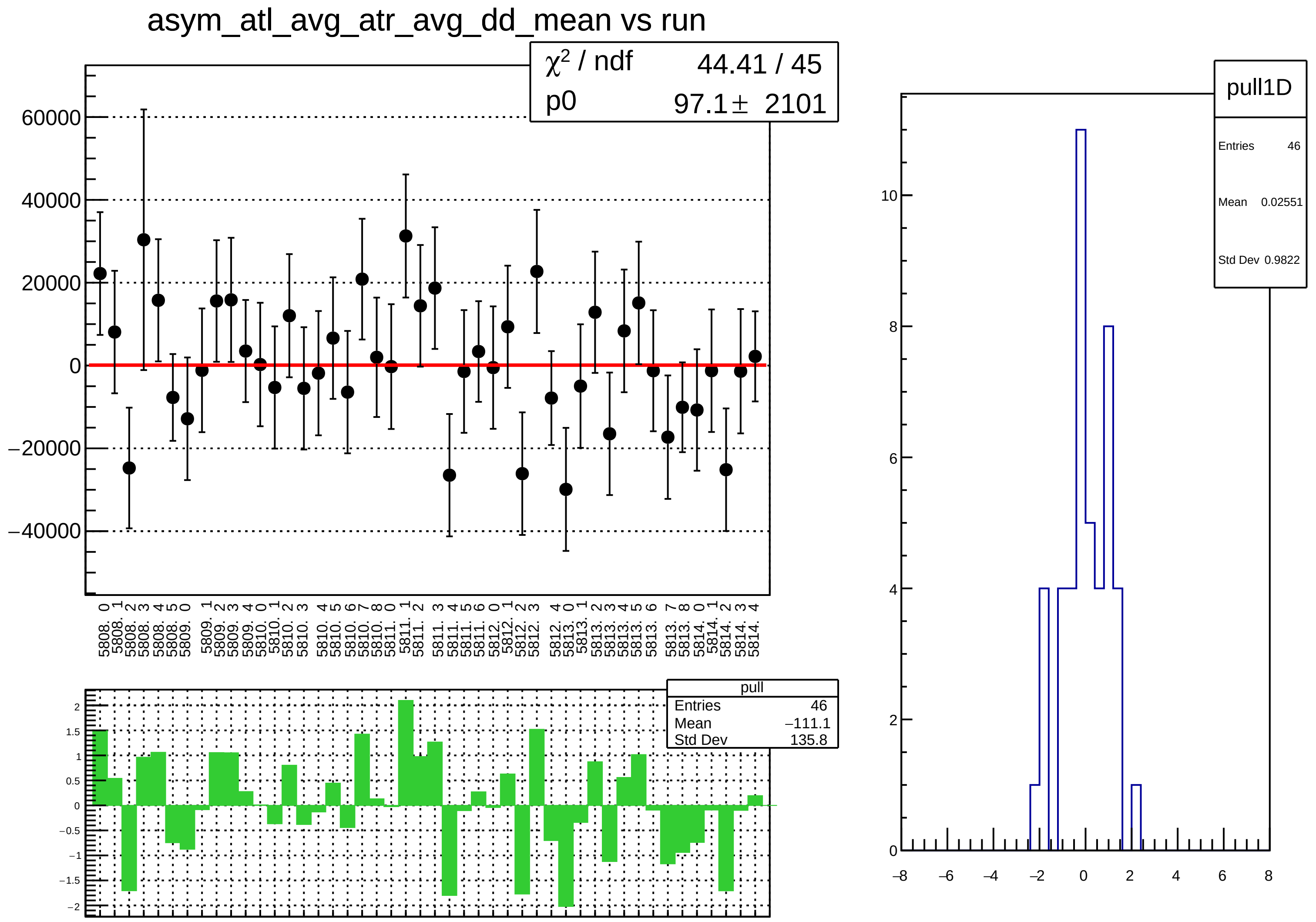
reg_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 44.41 / 45
p0 97.1 ± 2101
60000
40000
20000
0
−20000
−40000
pull
Entries 46
Mean −111.1
Std Dev 135.8
pull1D
Entries 46
Mean 0.02551
Std Dev 0.9822



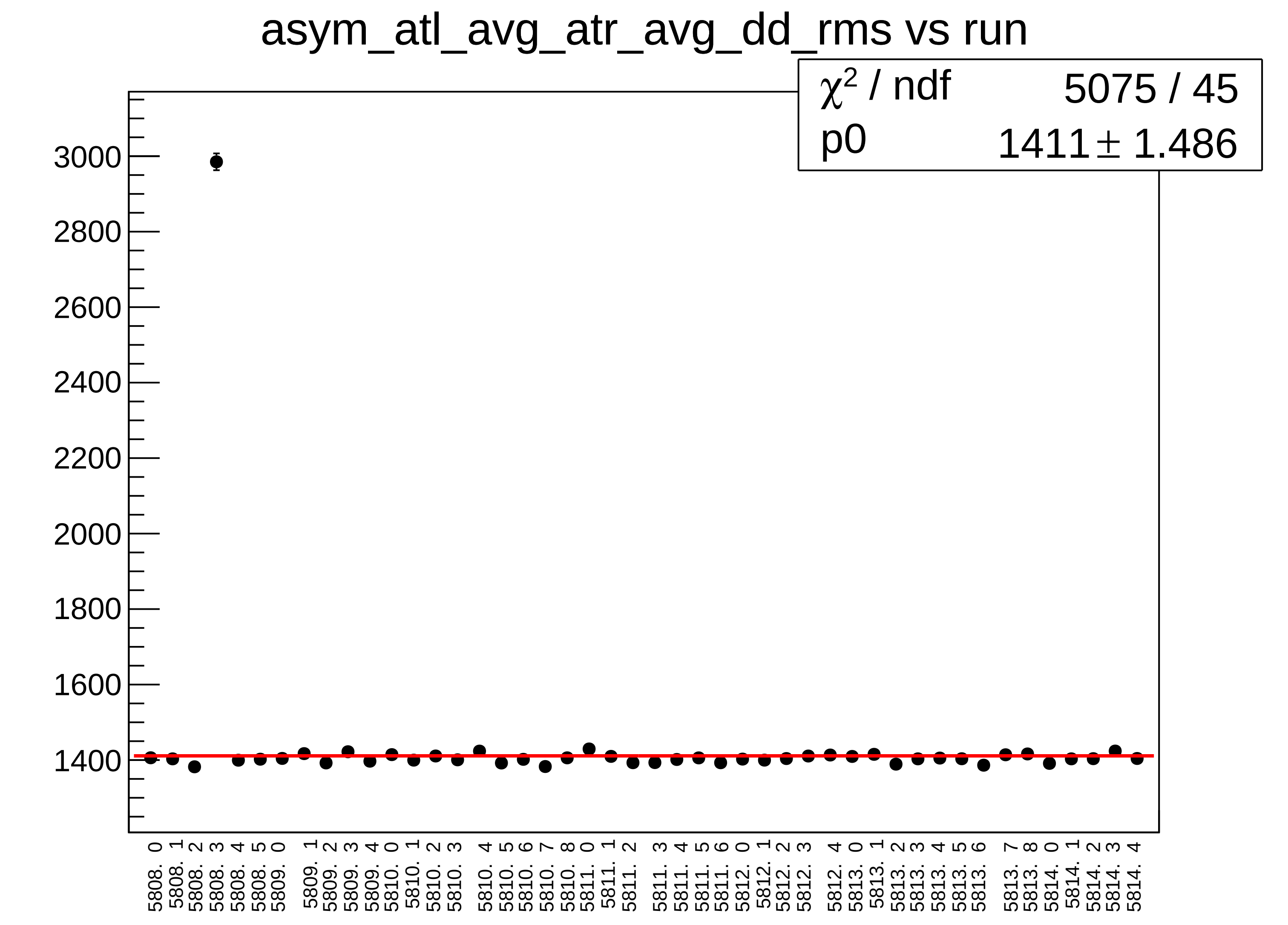
reg_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5075 / 45
p0 1411 ± 1.486
3000
2800
2600
2400
2200
2000
1800
1600
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_atl_avg_atr_avg_dd_correction_mean vs run
χ2 / ndf 0 / 45
p0 0 ± 0.1474
pull1D
Entries 46
Mean 0
Std Dev 0

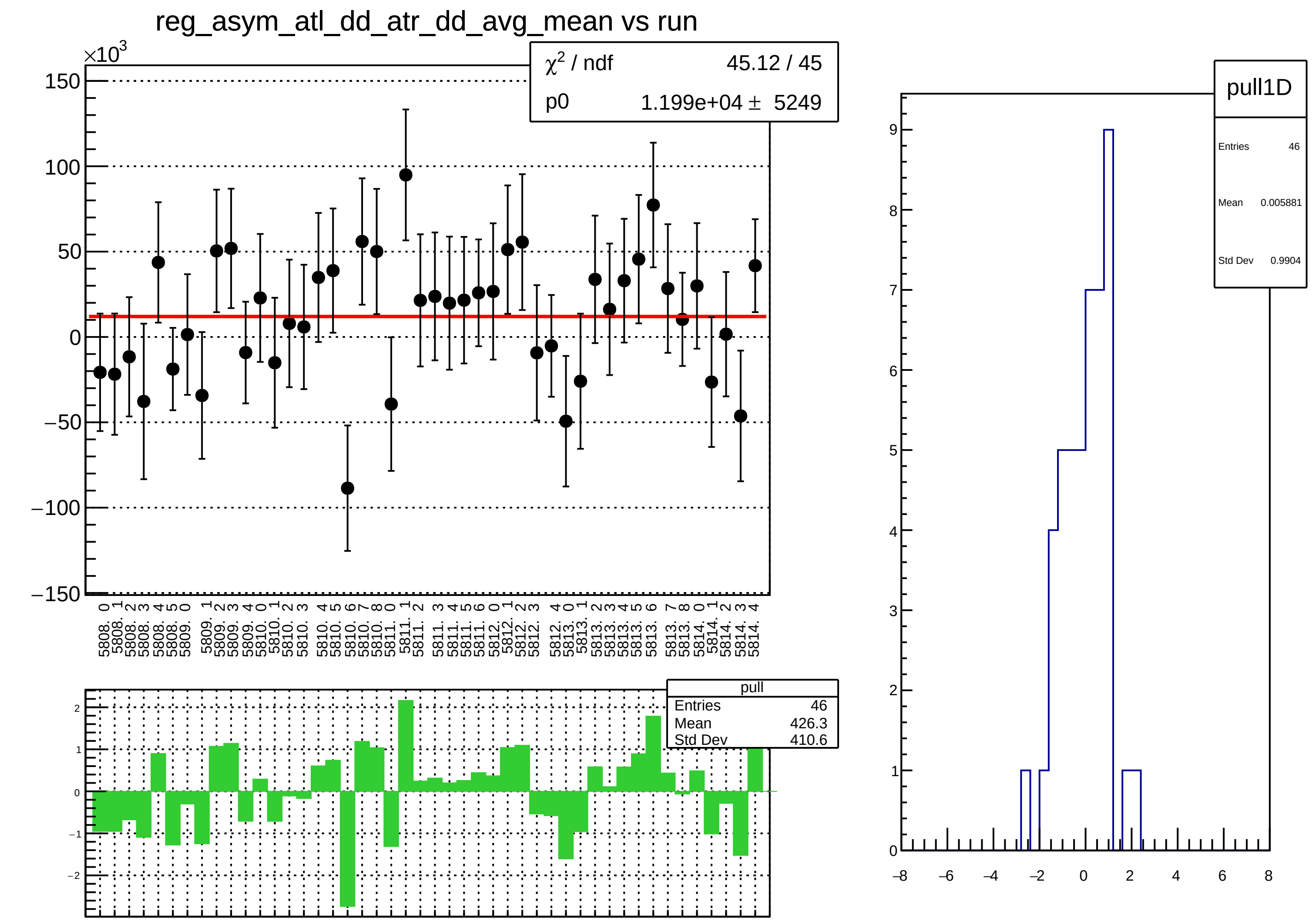

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ2 / ndf 0 / 45
p0 0 ± 0.1474
0
0.2
0.4
0.6
0.8
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



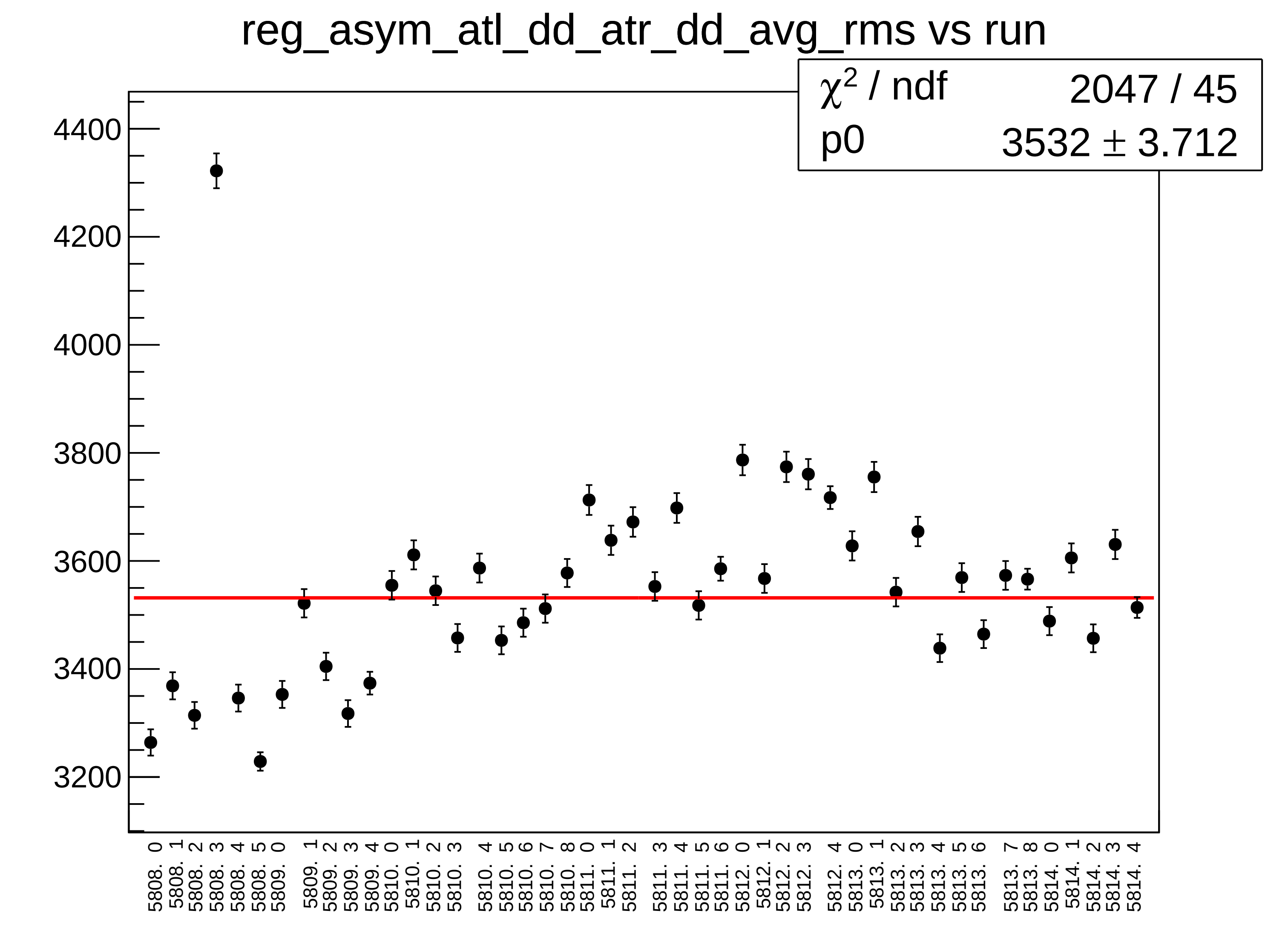
asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 44.41 / 45
p0 97.1 ± 2101
pull
Entries 46
Mean −111.1
Std Dev 135.8
pull1D
Entries 46
Mean 0.02551
Std Dev 0.9822



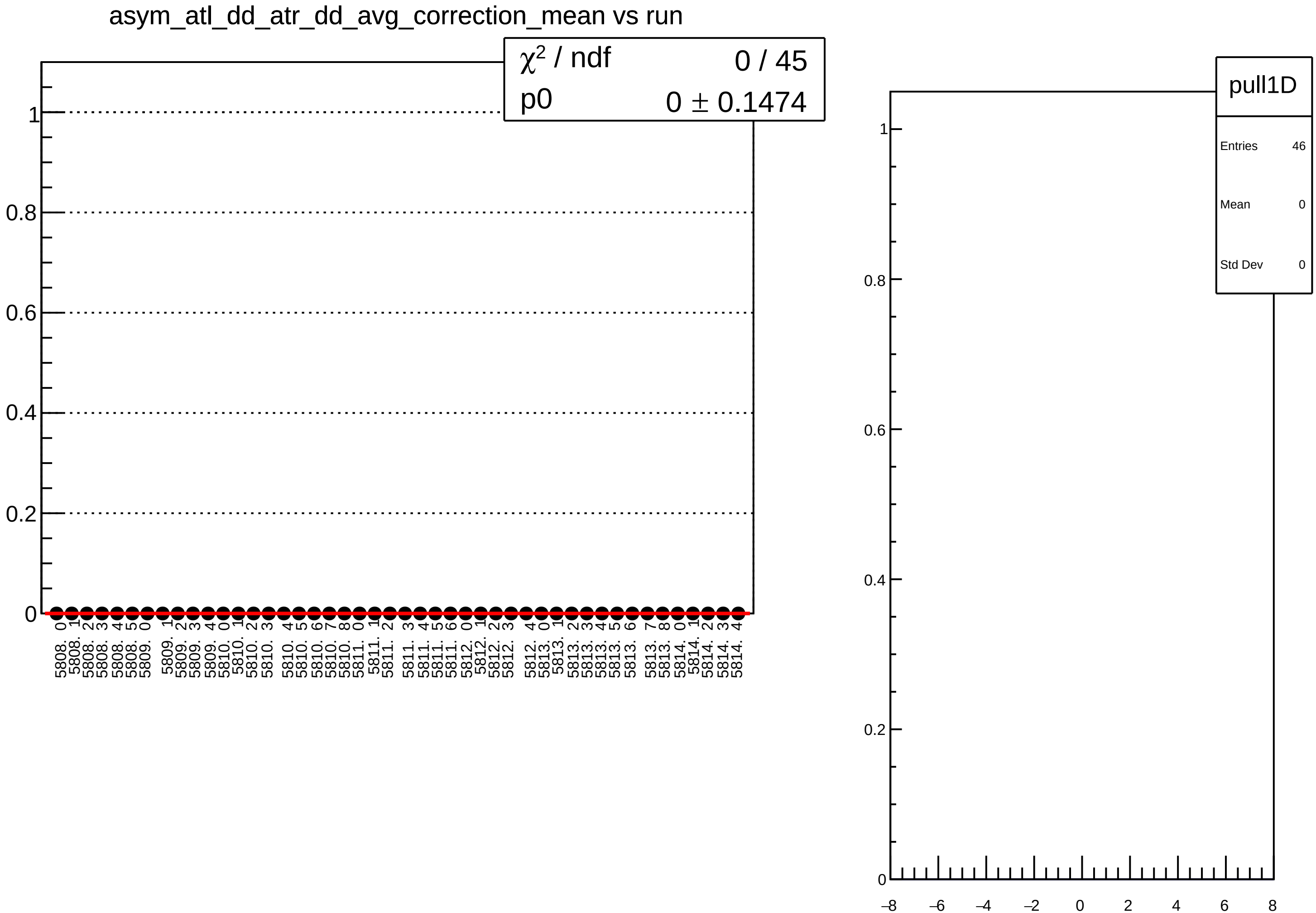
asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 5075 / 45
p0 1411 ± 1.486
3000
2800
2600
2400
2200
2000
1800
1600
1400

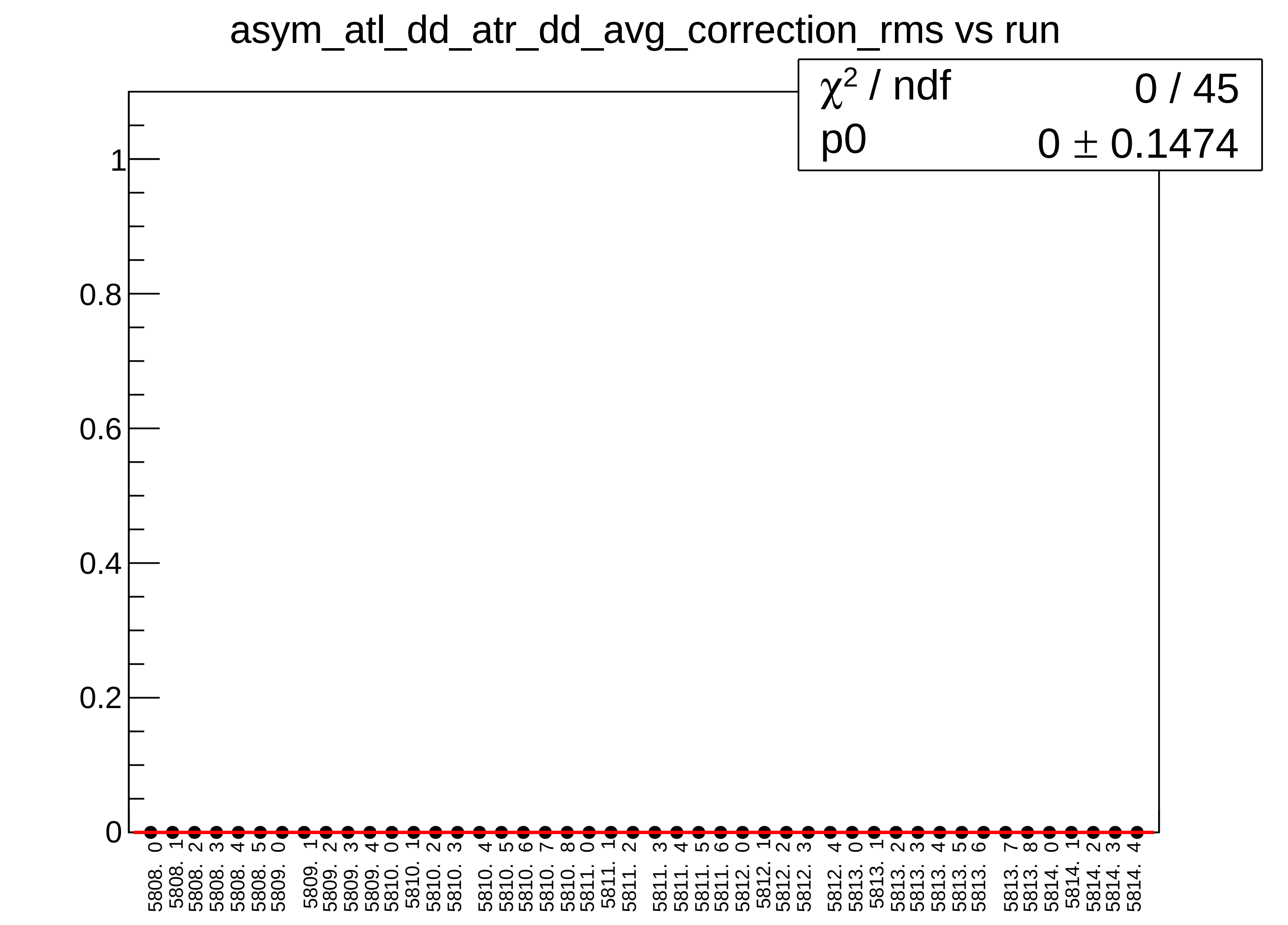


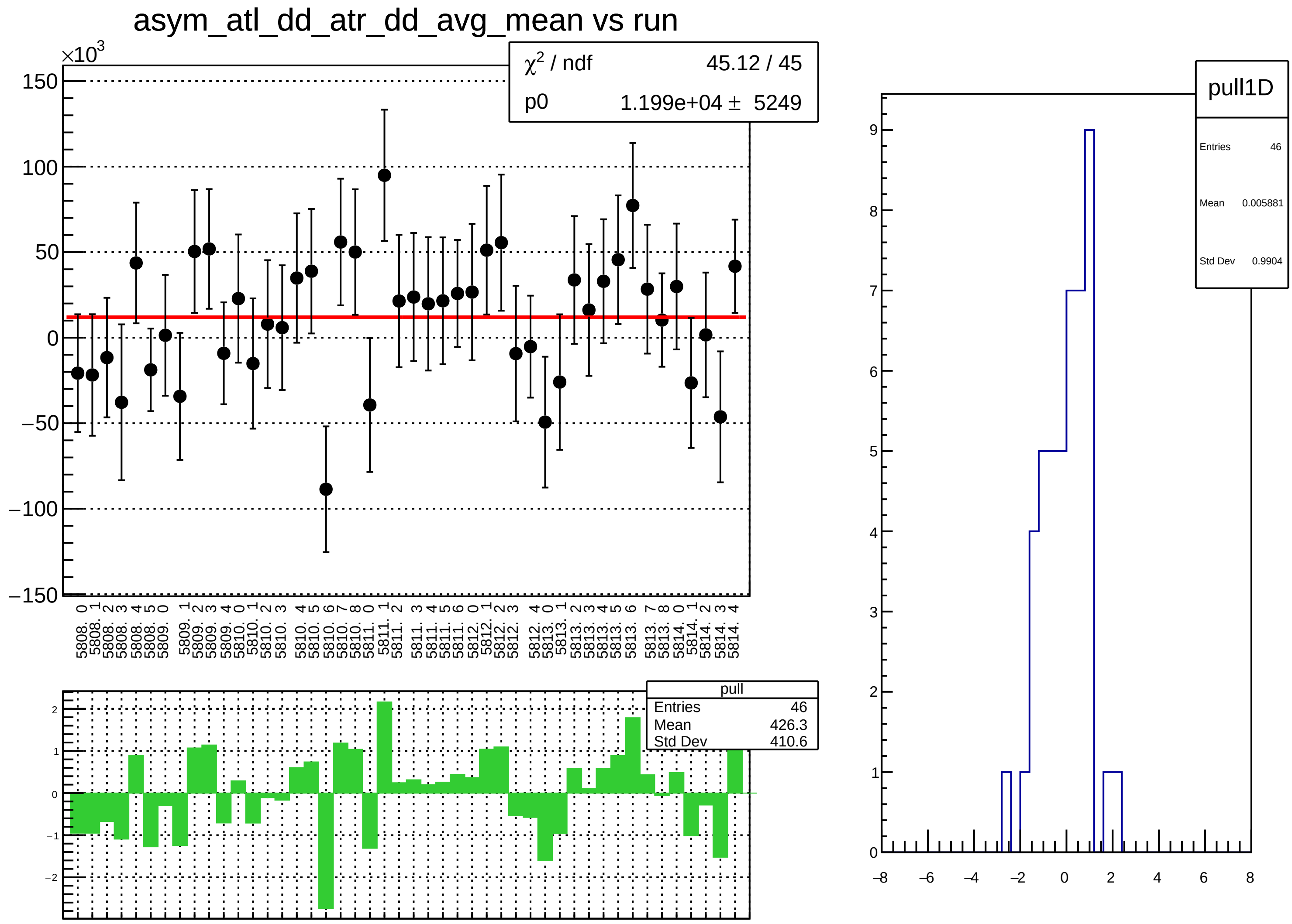
reg_asym_atl_dd_atr_dd_avg_mean vs run
χ2 / ndf 45.12 / 45
p0 1.199e+04 ± 5249
pull
Entries 46
Mean 426.3
Std Dev 410.6
pull1D
Entries 46
Mean 0.005881
Std Dev 0.9904



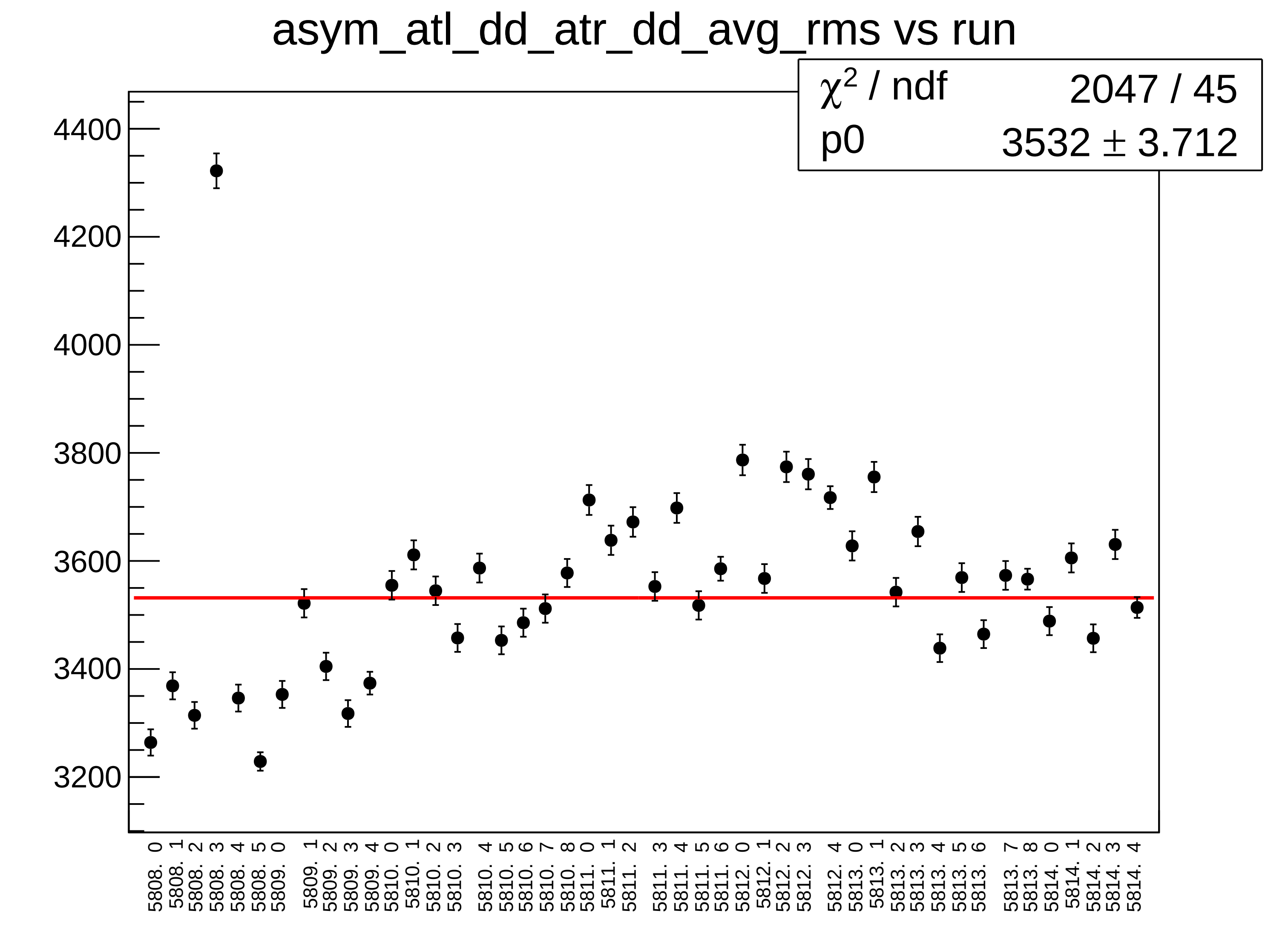
reg_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 2047 / 45
p0 3532 ± 3.712
4400
4200
4000
3800
3600
3400
3200


asym_atl_dd_atr_dd_avg_correction_mean vs run
χ2 / ndf 0 / 45
p0 0 ± 0.1474
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull1D
Entries 46
Mean 0
Std Dev 0
–8
–6
–4
–2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 0 / 45
p0 0 ± 0.1474
1
0.8
0.6
0.4
0.2
0



asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 45.12 / 45
p0 1.199e+04 ± 5249
pull
Entries 46
Mean 426.3
Std Dev 410.6
pull1D
Entries 46
Mean 0.005881
Std Dev 0.9904



asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 2047 / 45
p0 3532 ± 3.712
4400
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
5813. 7
5813. 8
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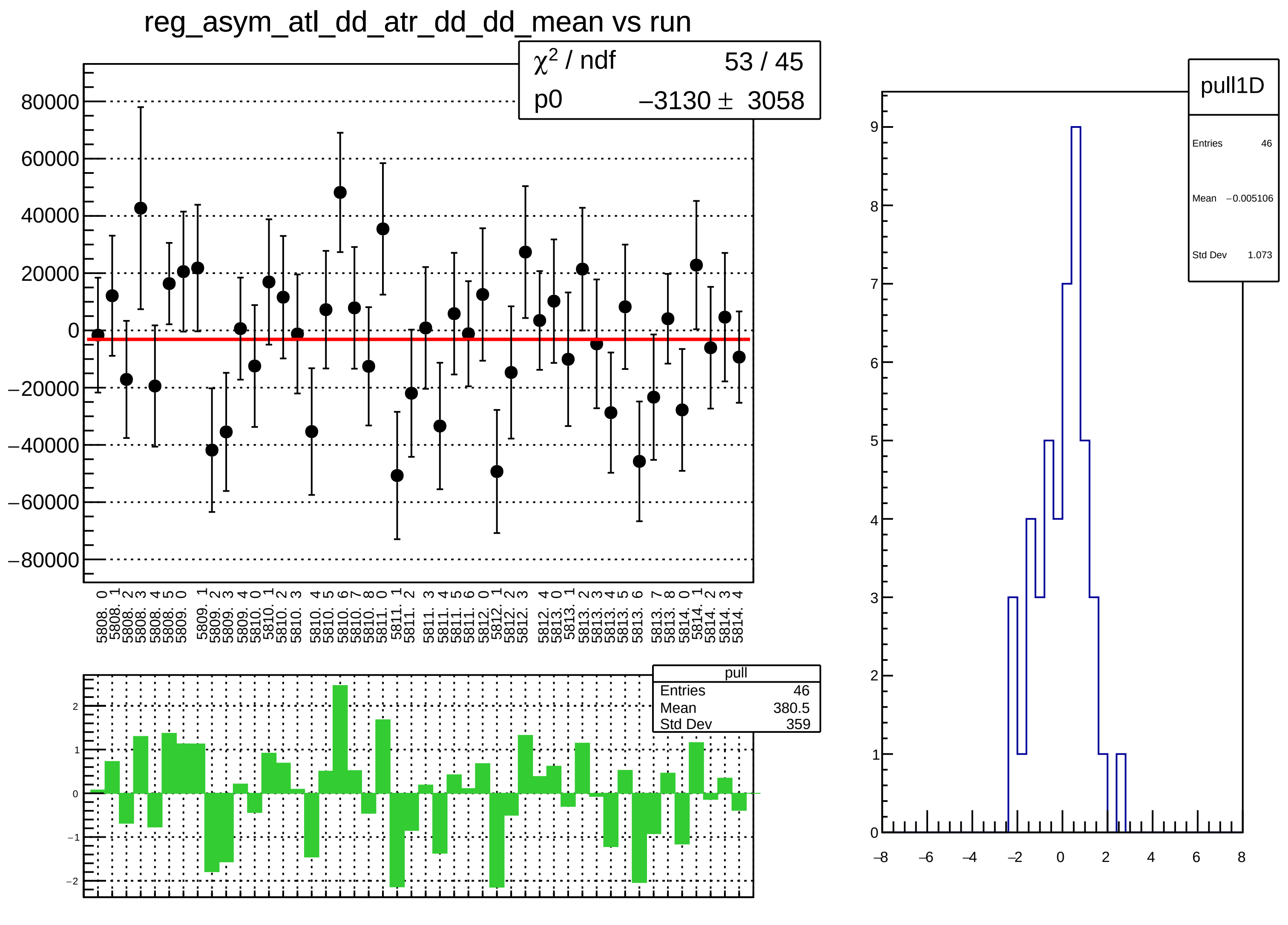
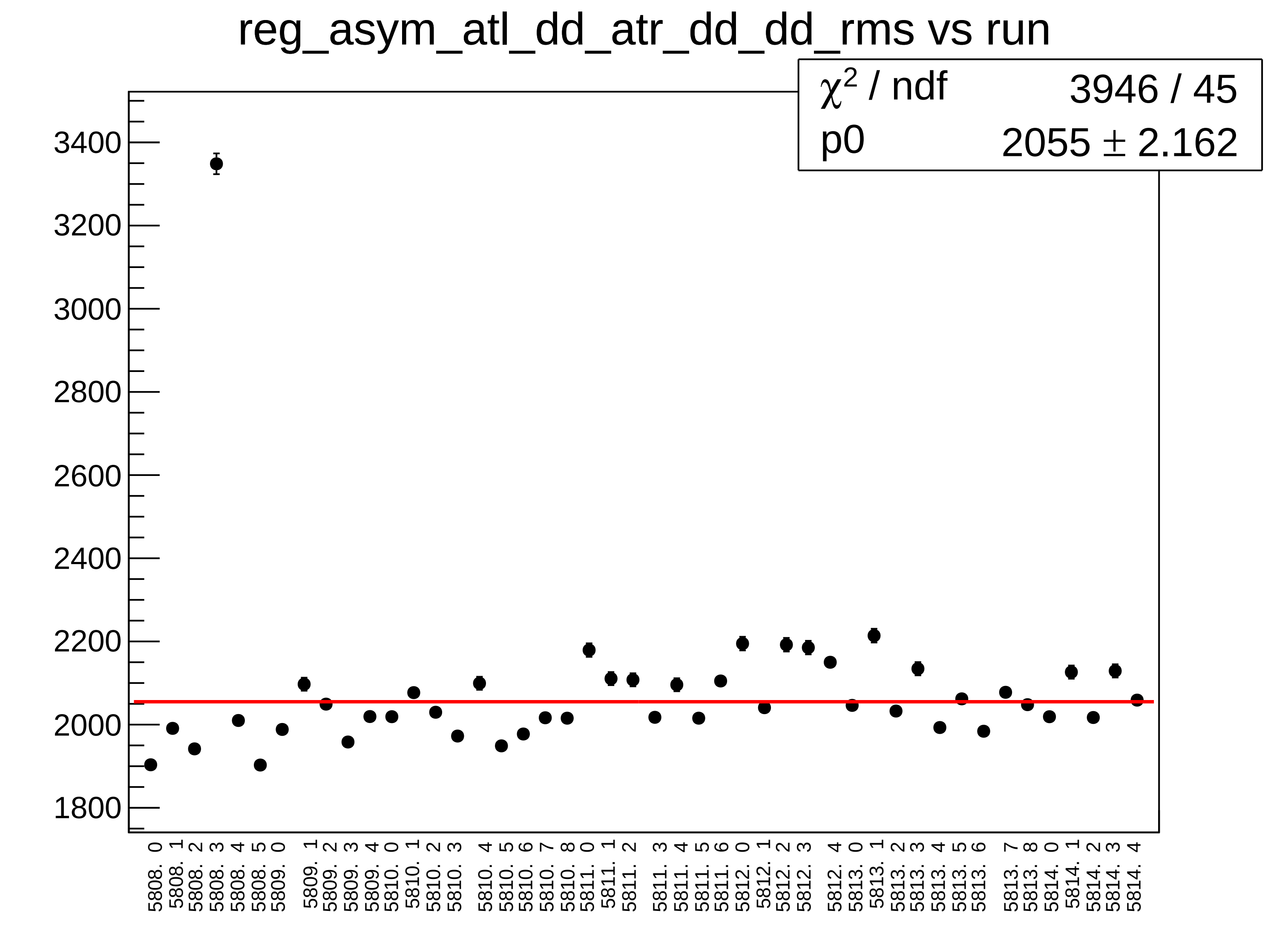
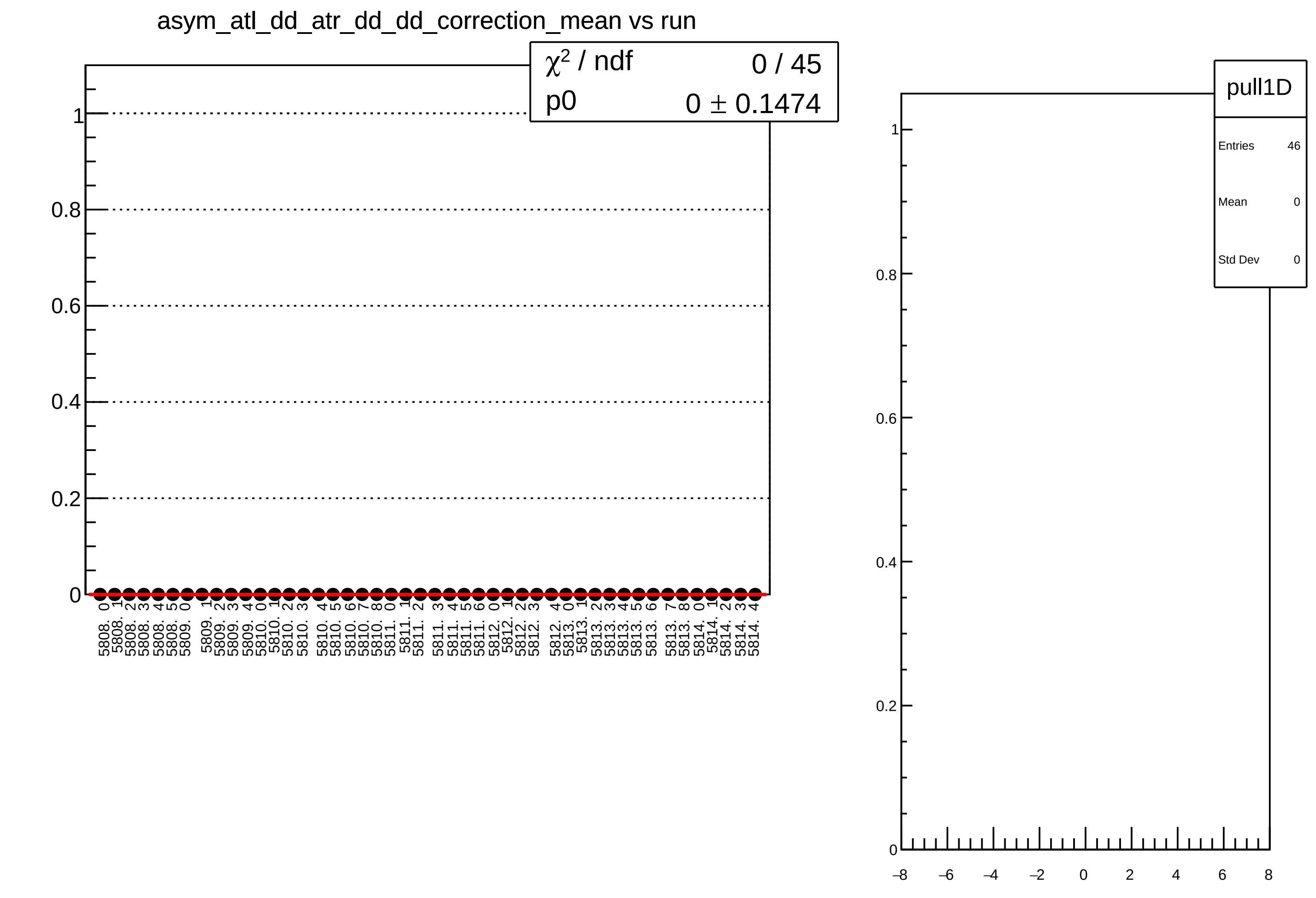
5814. 1
5814. 2
5814. 3
5814. 4



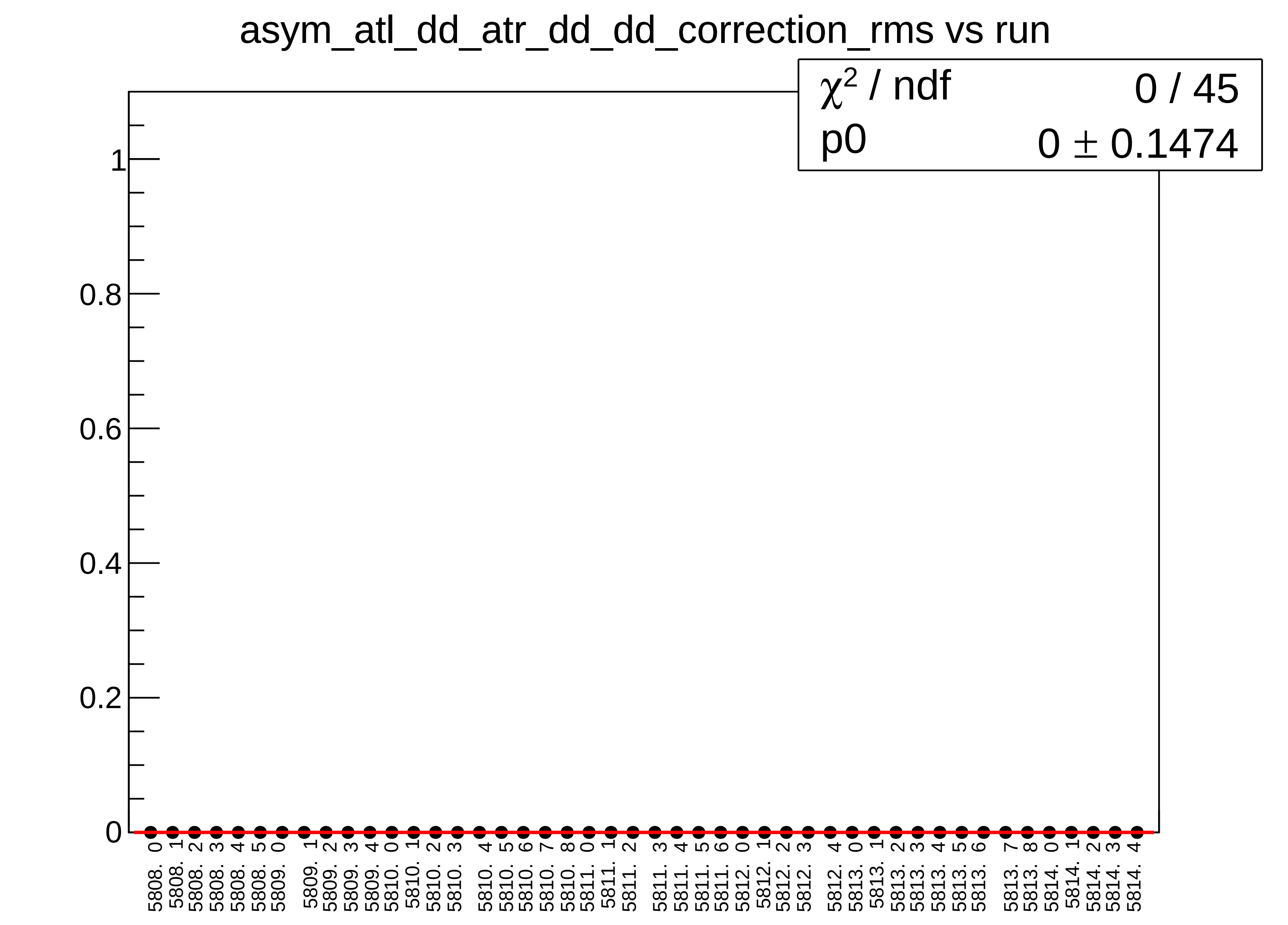
reg_asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 53 / 45
p0 −3130 ± 3058
pull
Entries 46
Mean 380.5
Std Dev 359
pull1D
Entries 46
Mean −0.005106
Std Dev 1.073

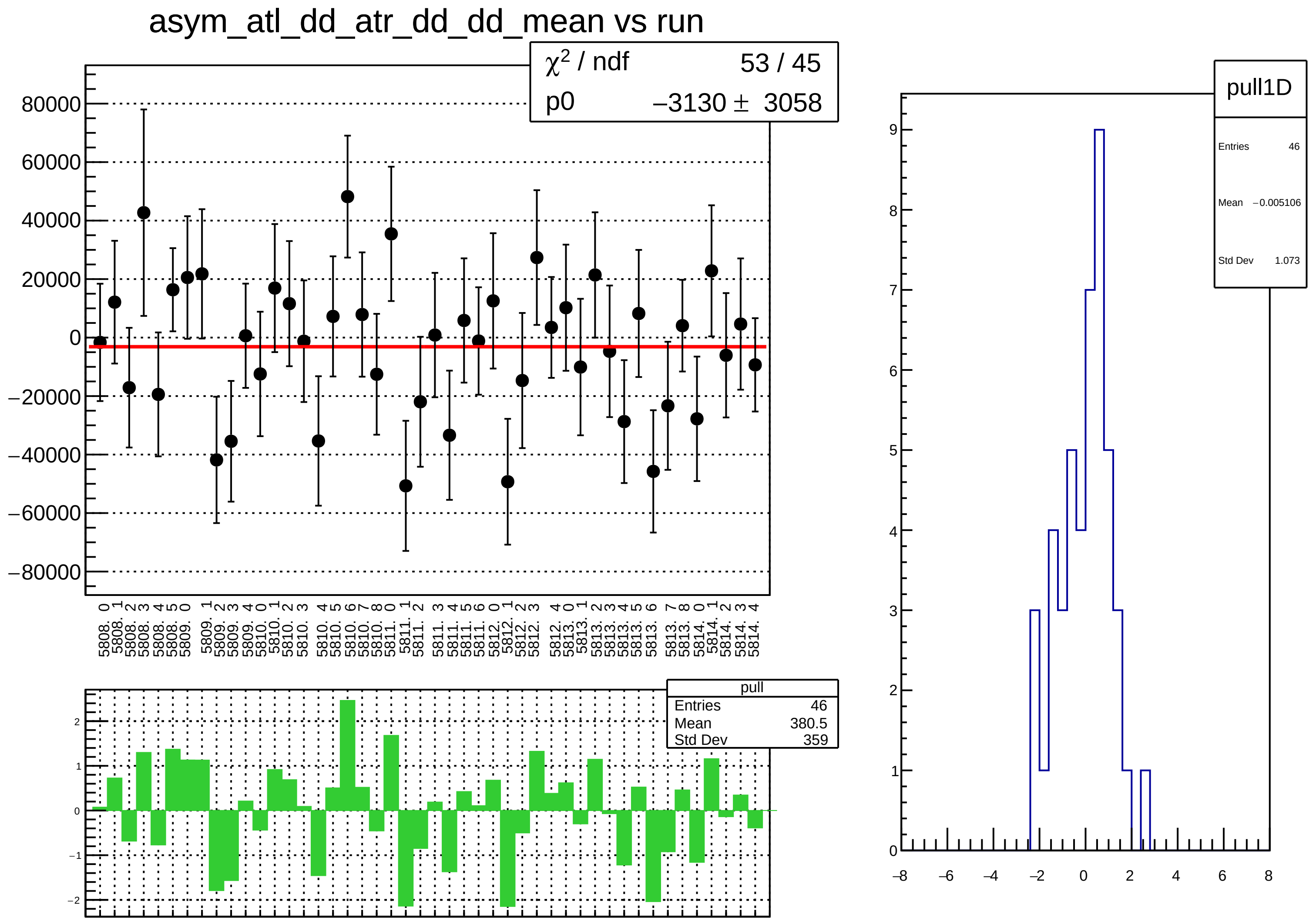


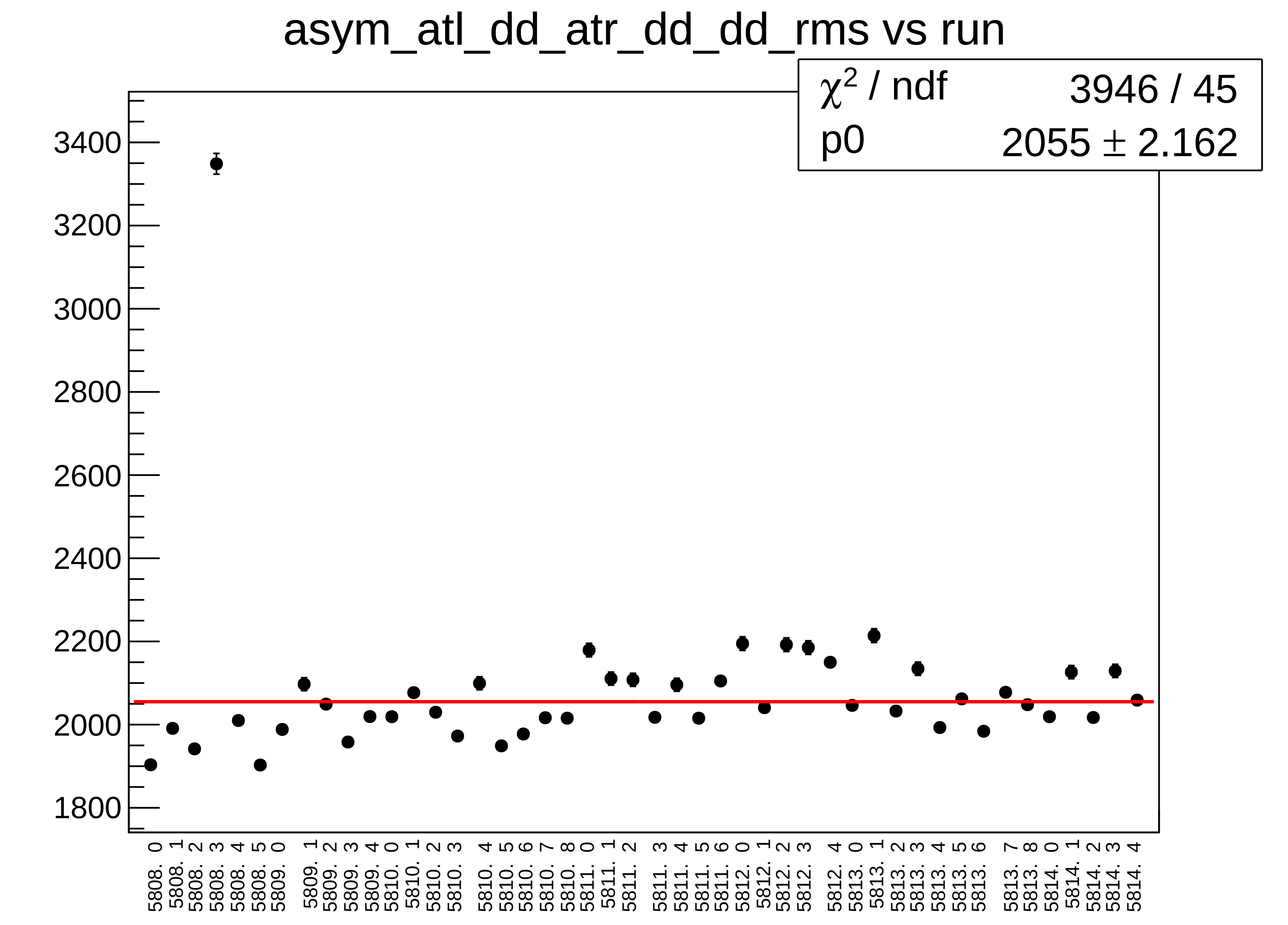
reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 3946 / 45
p0 2055 ± 2.162
3400
3200
3000
2800
2600
2400
2200
2000
1800



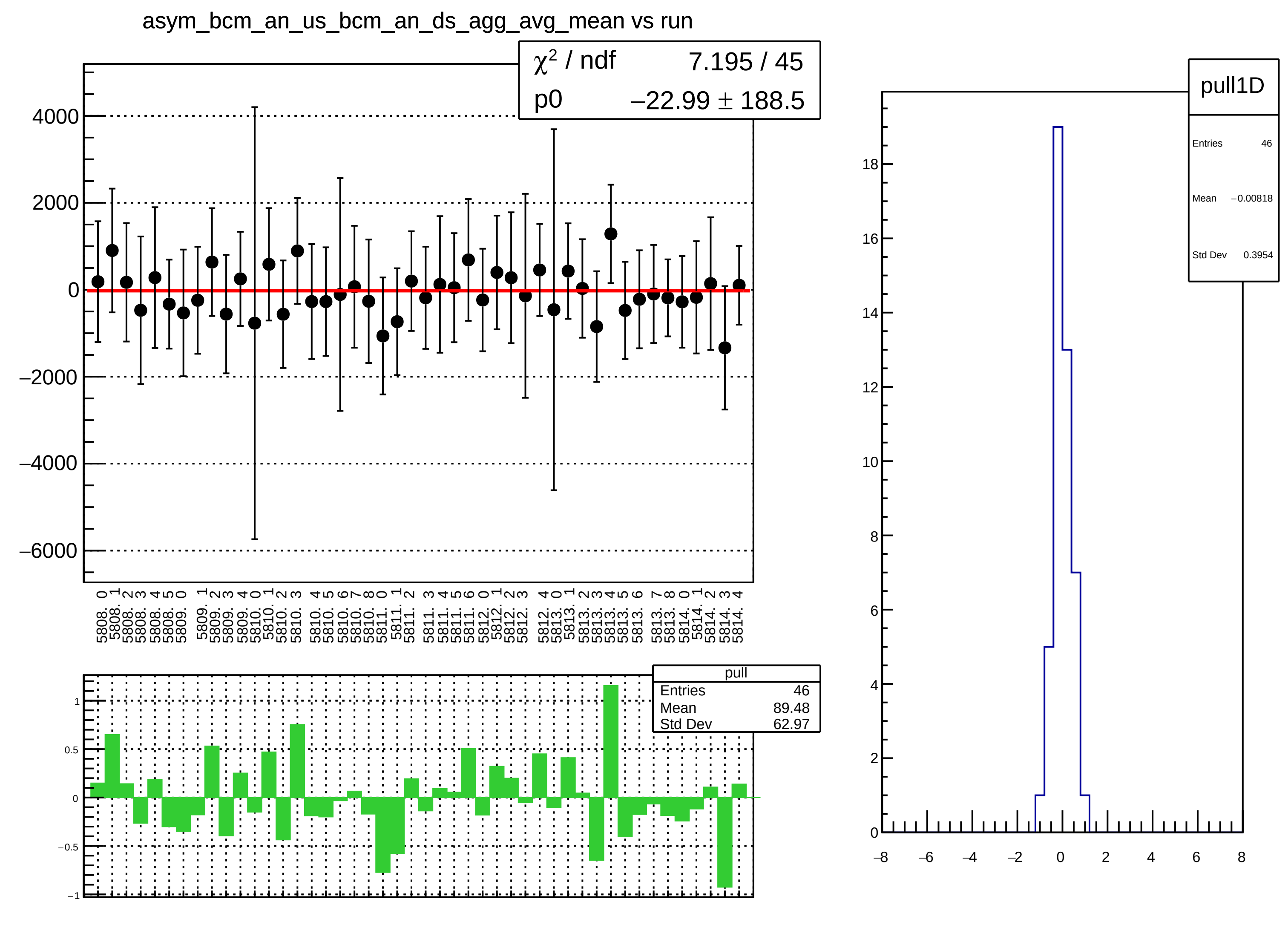
asym_atl_dd_atr_dd_dd_correction_mean vs run
χ^2 / ndf 0 / 45
p0 0 ± 0.1474
pull1D
Entries 46
Mean 0
Std Dev 0


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 0 / 45
p0 0 ± 0.1474
1
0.8
0.6
0.4
0.2
0

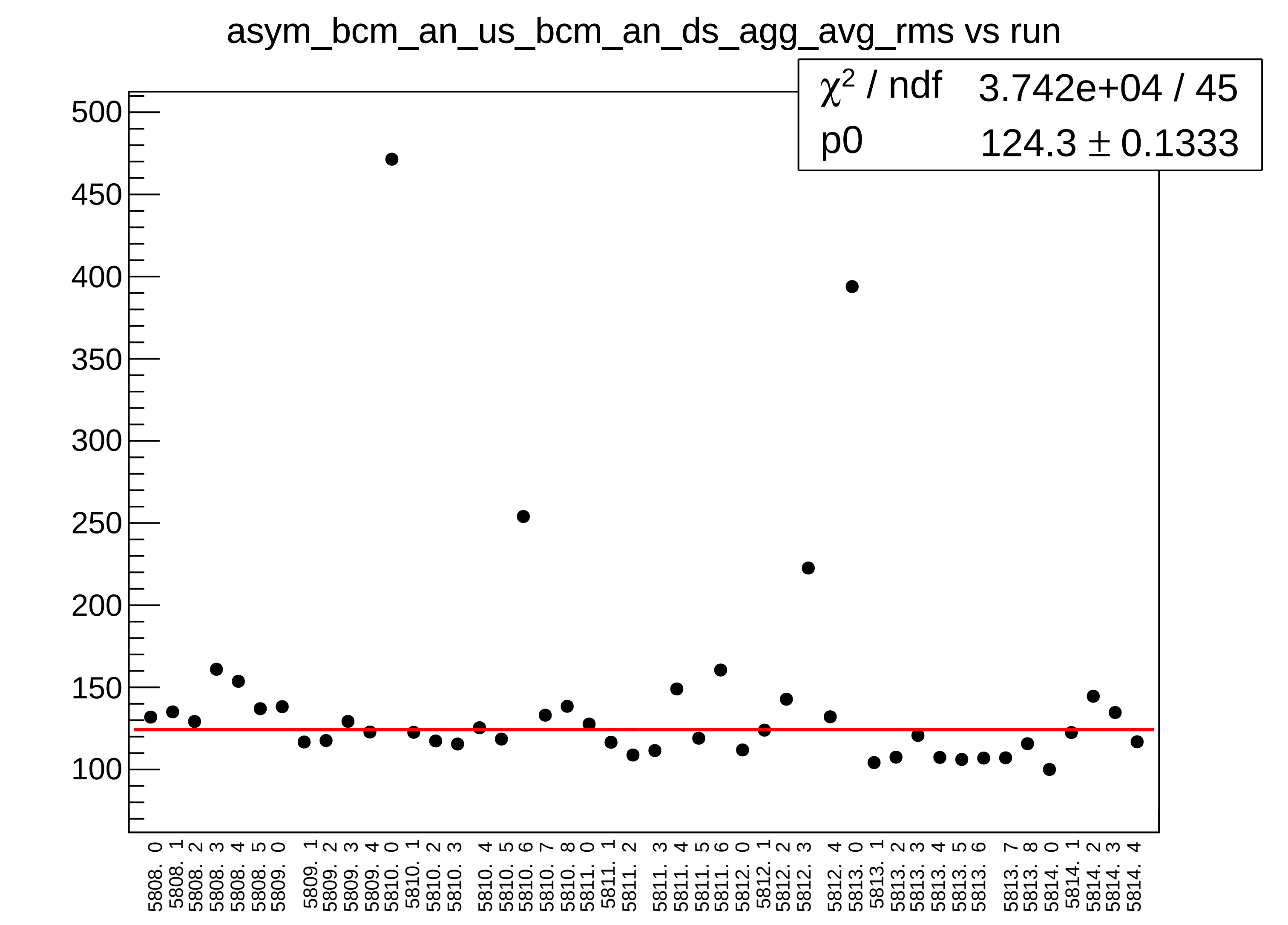

asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 53 / 45
p0 −3130 ± 3058
pull
Entries 46
Mean 380.5
Std Dev 359
pull1D
Entries 46
Mean −0.005106
Std Dev 1.073



asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 3946 / 45
p0 2055 ± 2.162
3400
3200
3000
2800
2600
2400
2200
2000
1800



asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 7.195 / 45
p0 −22.99 ± 188.5
pull
Entries 46
Mean 89.48
Std Dev 62.97
pull1D
Entries 46
Mean −0.00818
Std Dev 0.3954



asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.742e+04 / 45
p0 124.3 ± 0.1333
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
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5812. 0
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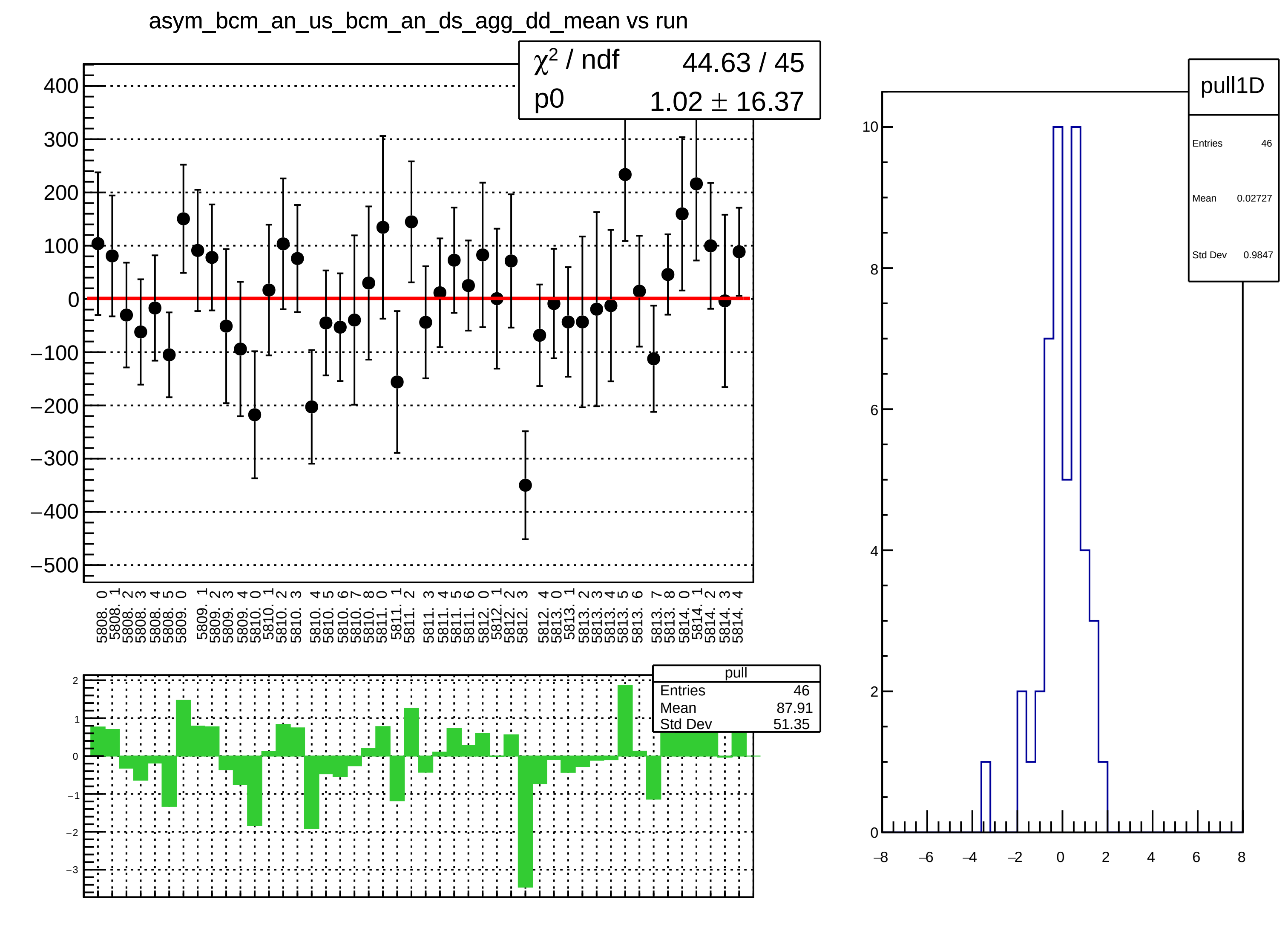
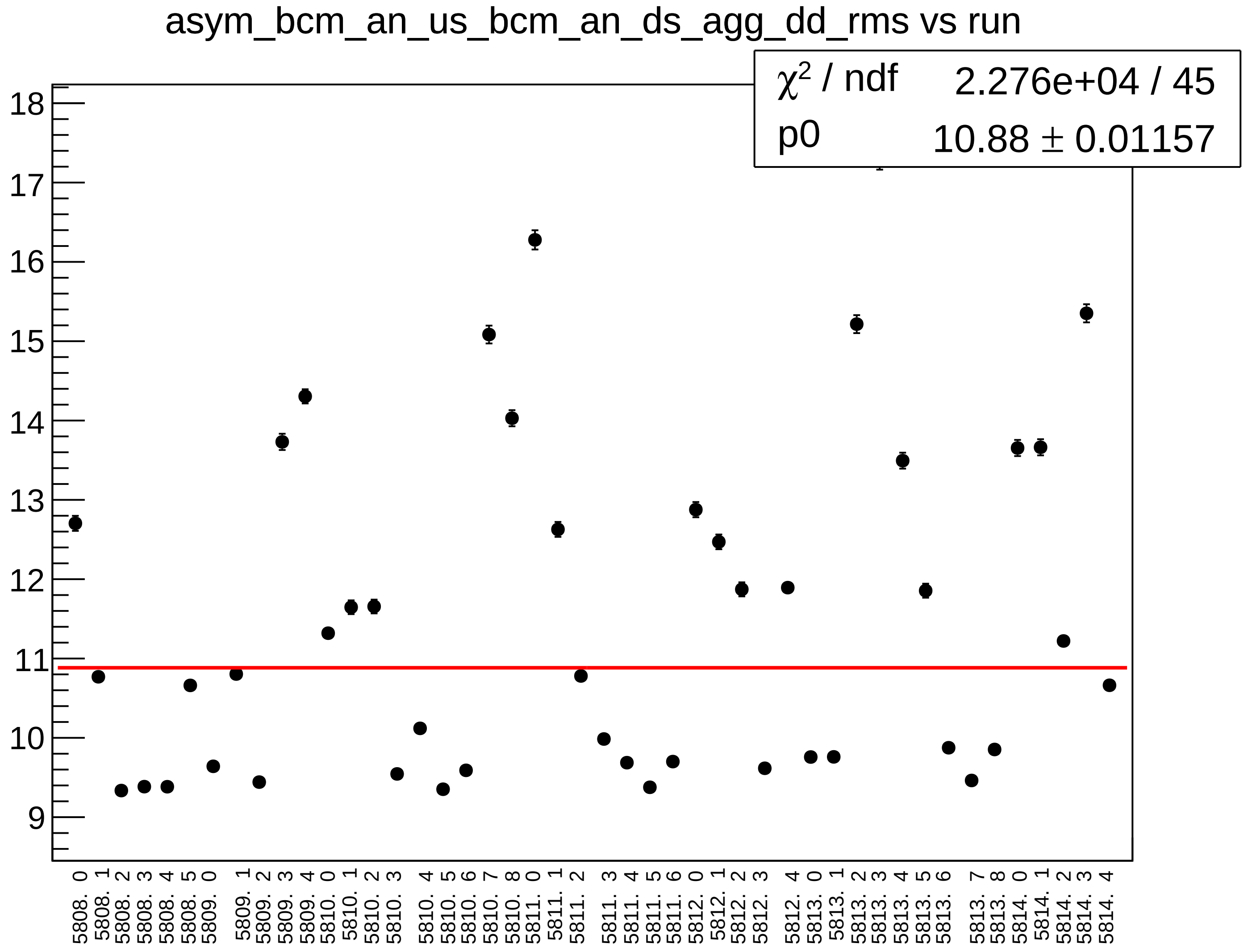


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 44.63 / 45
p0 1.02 ± 16.37
pull
Entries 46
Mean 87.91
Std Dev 51.35
pull1D
Entries 46
Mean 0.02727
Std Dev 0.9847



asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 2.276e+04 / 45
p0 10.88 ± 0.01157
18
17
16
15
14
13
12
11
10
9
5808. 0
5808. 1
5808. 2
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5808. 4
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5810. 0
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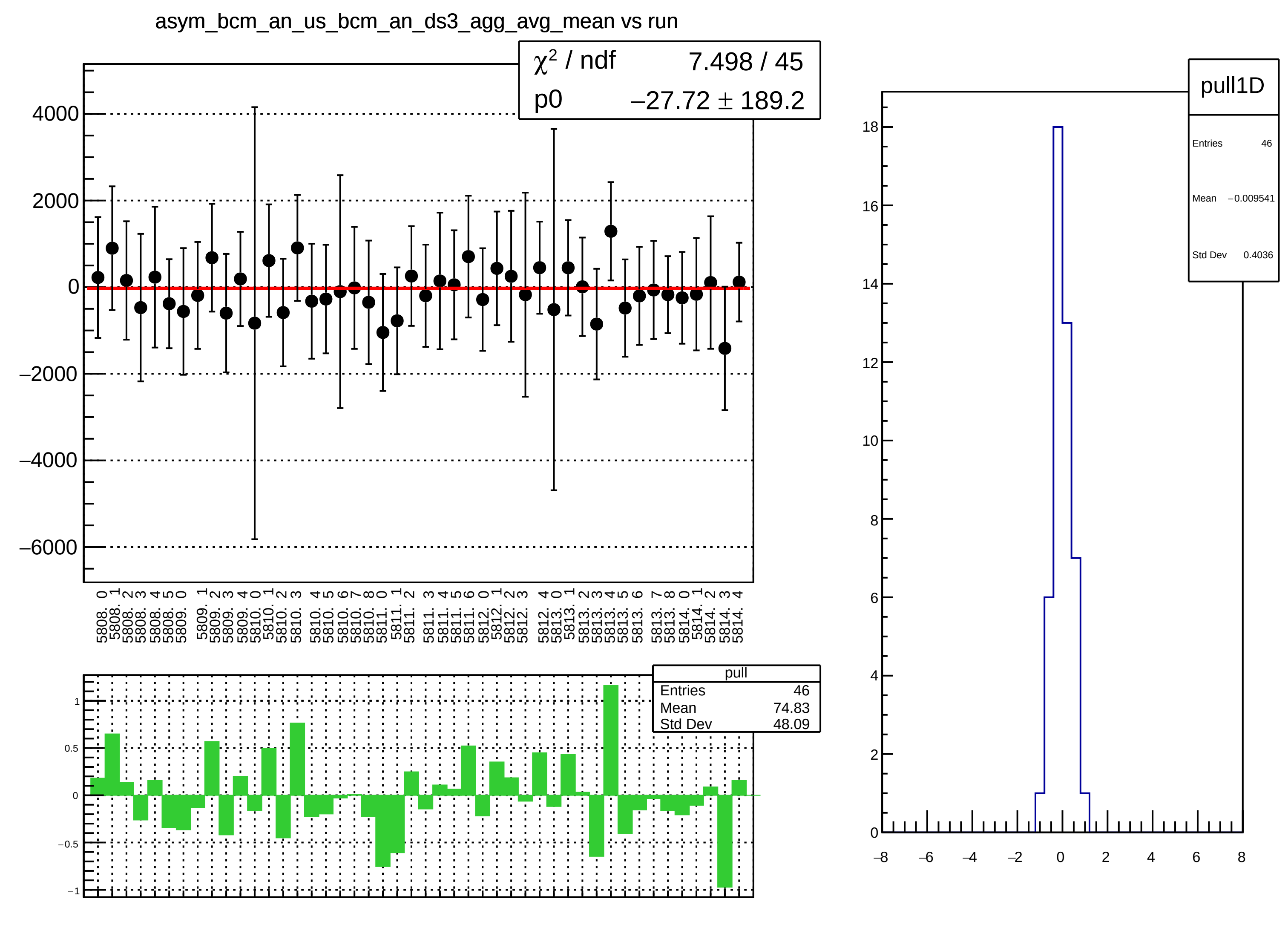
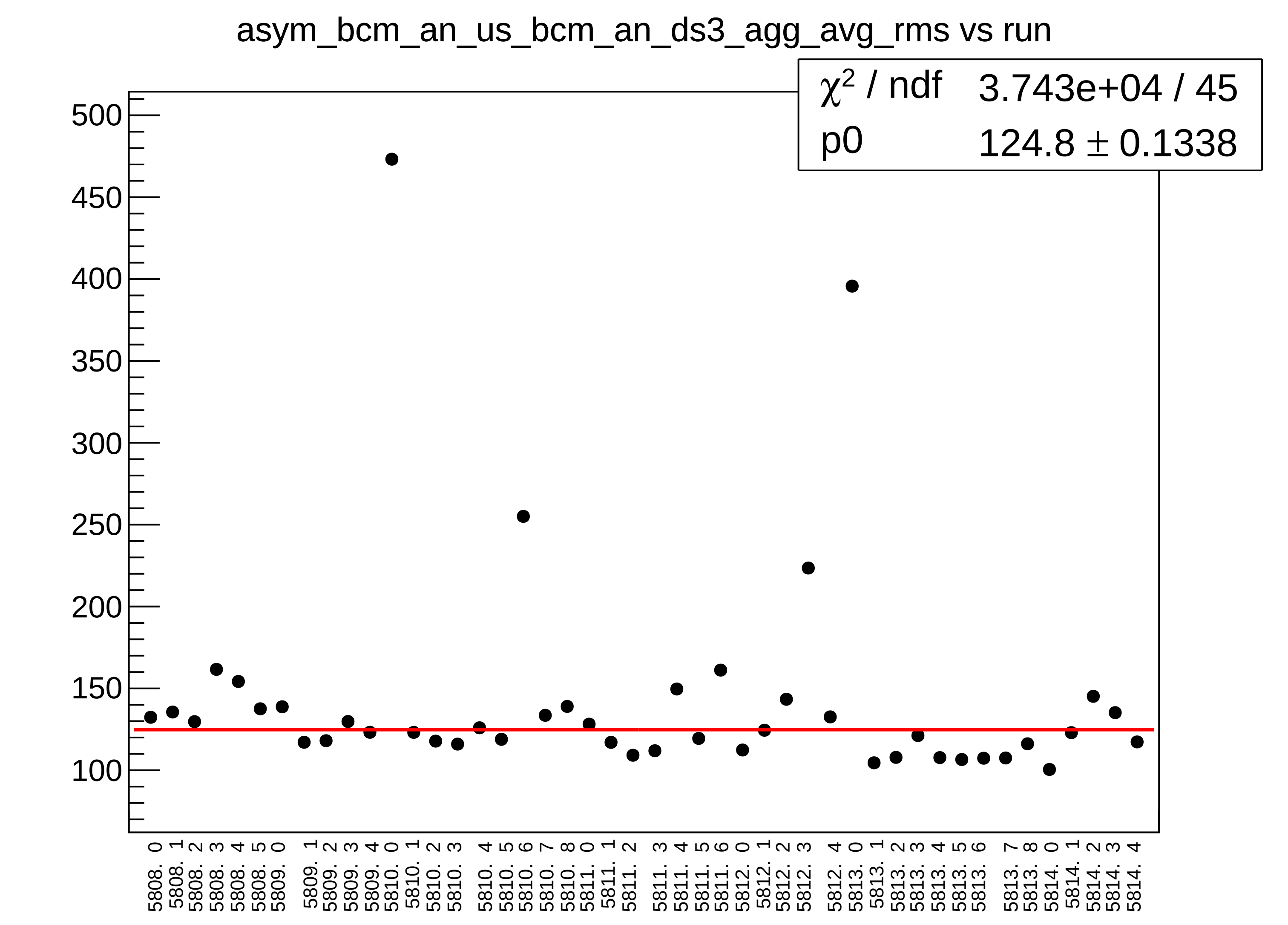
5814. 4


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 7.498 / 45
p0 −27.72 ± 189.2
pull
Entries 46
Mean 74.83
Std Dev 48.09
pull1D
Entries 46
Mean −0.009541
Std Dev 0.4036


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 3.743e+04 / 45
p0 124.8 ± 0.1338
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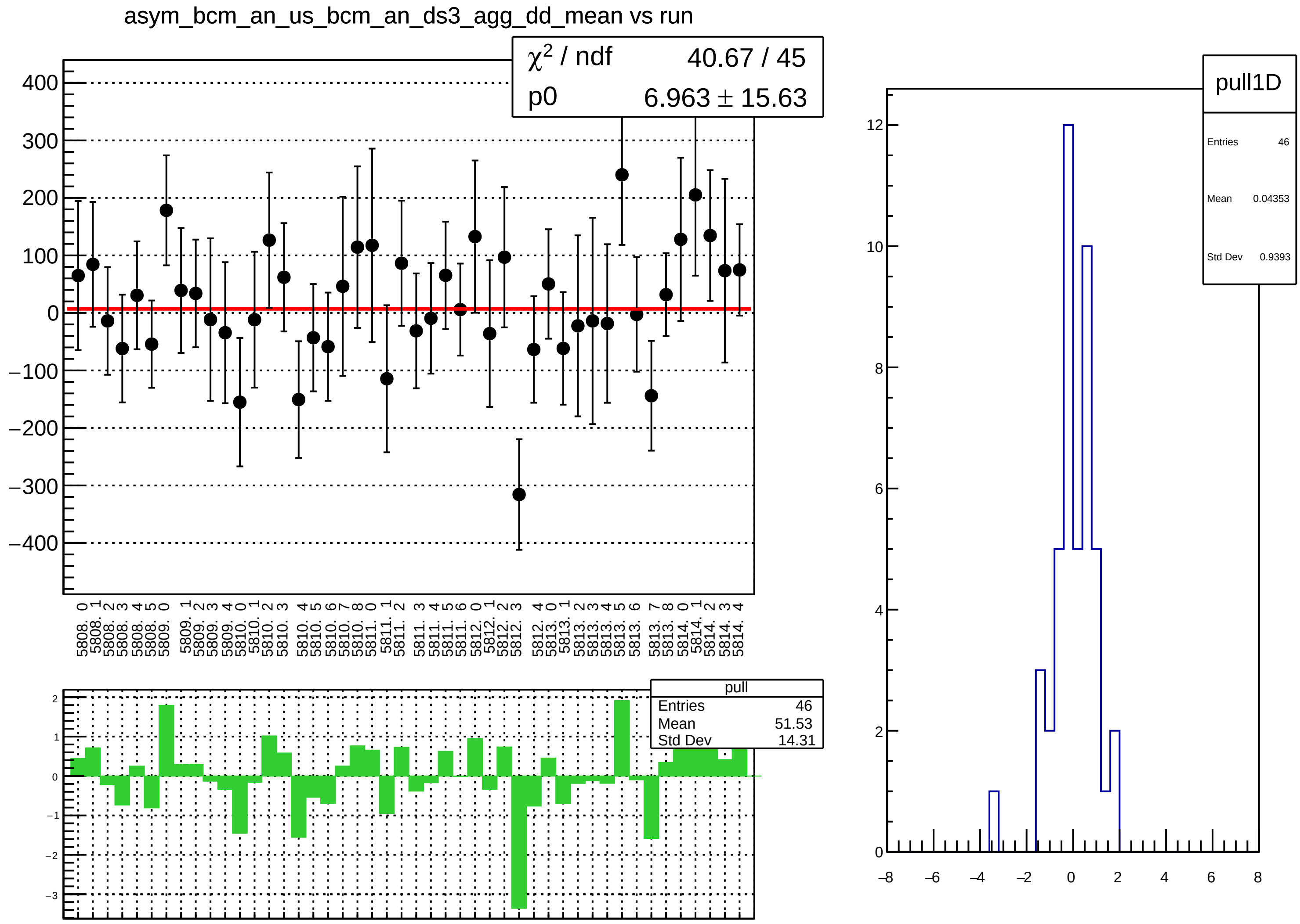
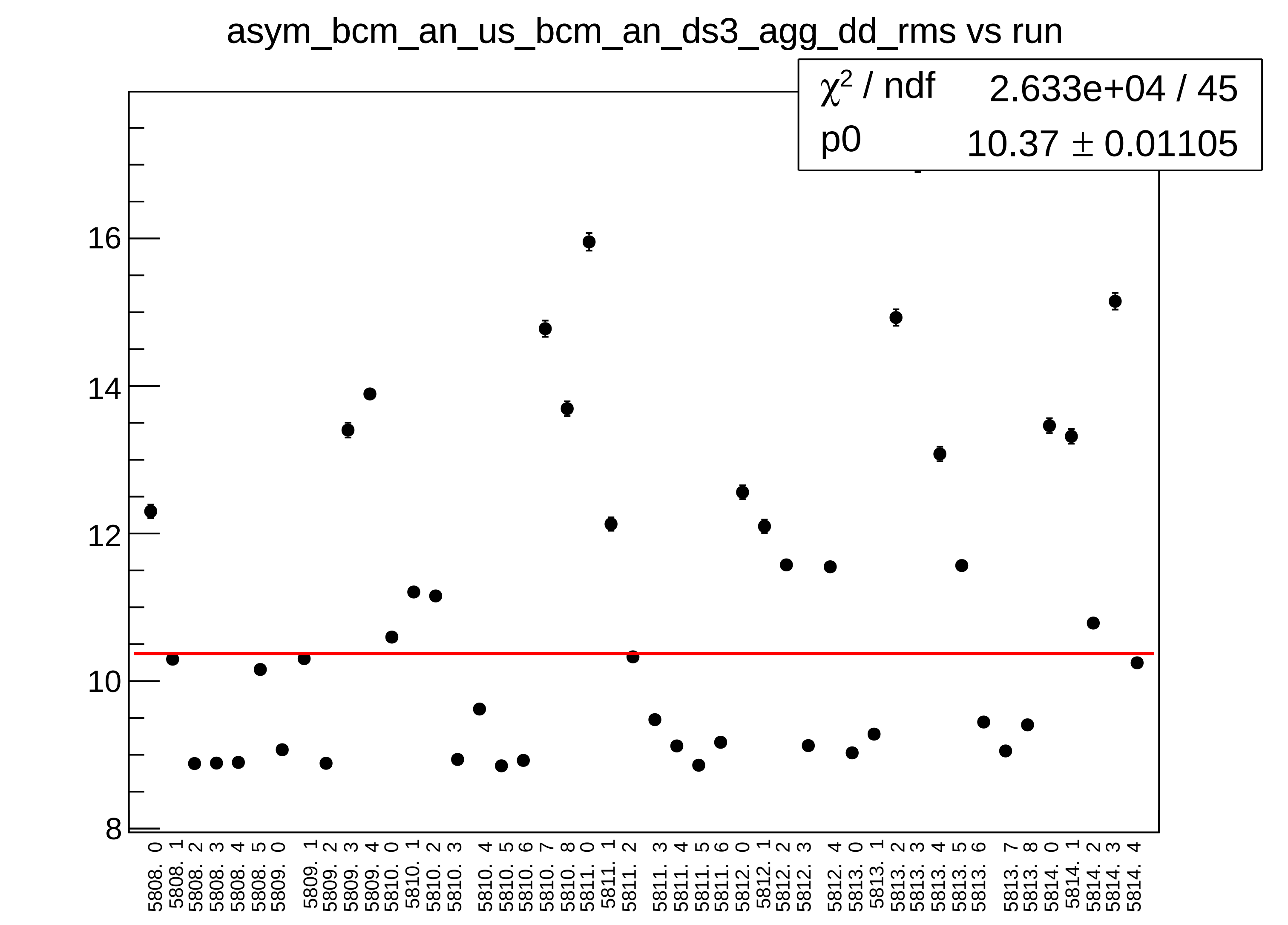
450
400
350
300
250
200
150
100



asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ2 / ndf 40.67 / 45
p0 6.963 ± 15.63
pull
Entries 46
Mean 51.53
Std Dev 14.31
pull1D
Entries 46
Mean 0.04353
Std Dev 0.9393


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ2 / ndf 2.633e+04 / 45
p0 10.37 ± 0.01105
16
14
12
10
8
5808. 0
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5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5810. 0
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5812. 4
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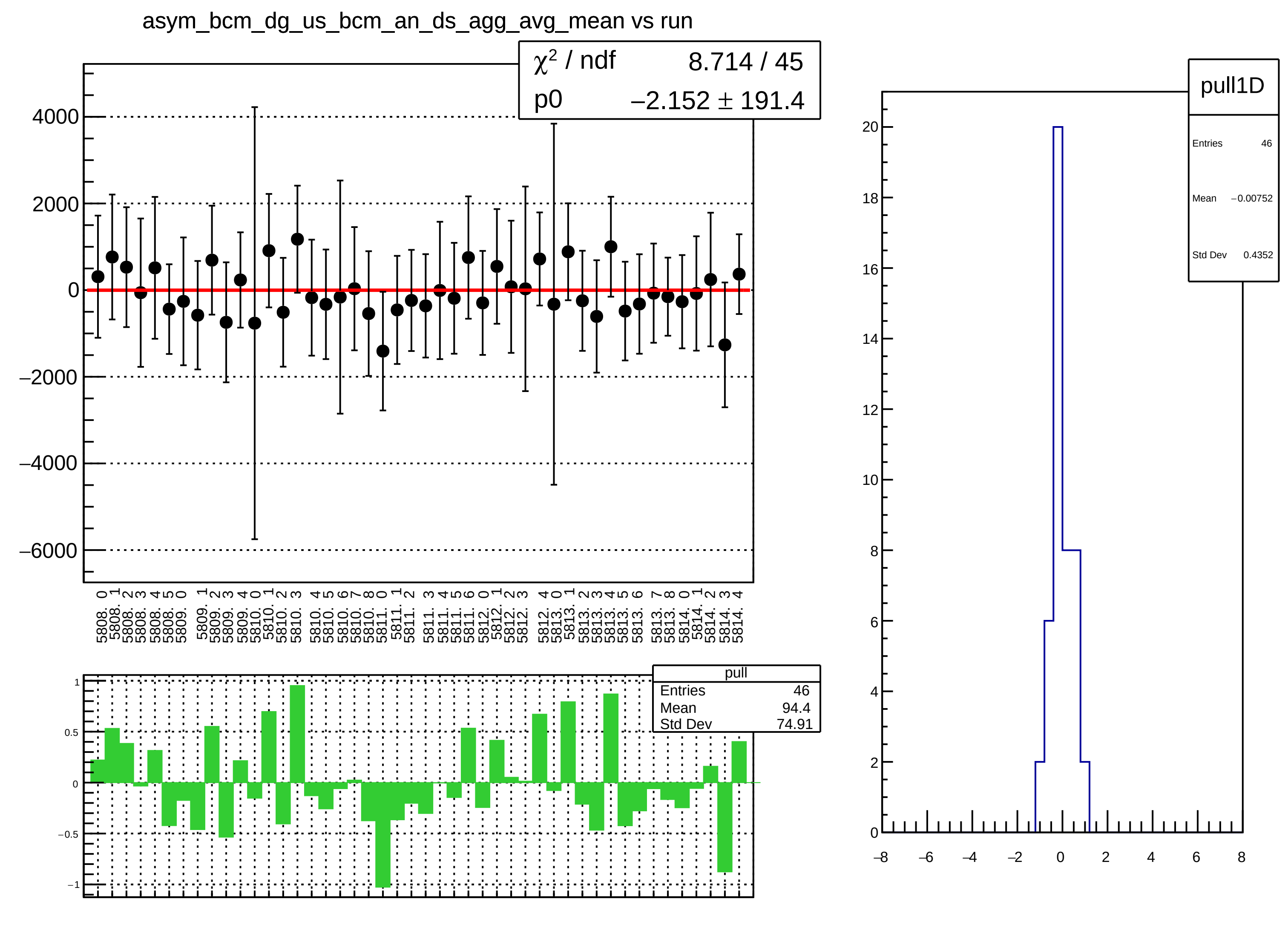
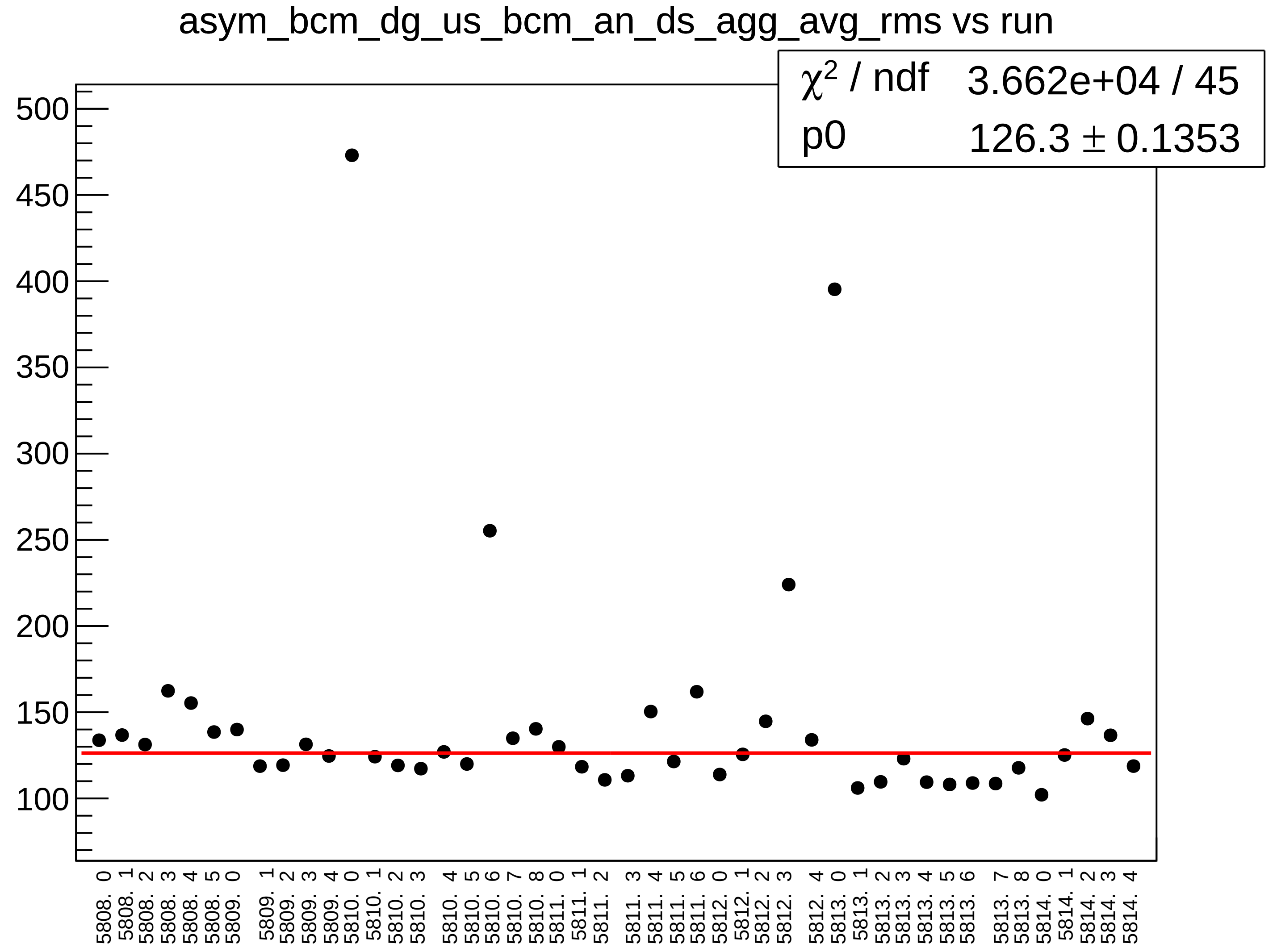


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 8.714 / 45
p0 −2.152 ± 191.4
pull
Entries 46
Mean 94.4
Std Dev 74.91
pull1D
Entries 46
Mean −0.00752
Std Dev 0.4352



asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.662e+04 / 45
p0 126.3 ± 0.1353
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 3
5809. 4
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5812. 4
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5813. 6
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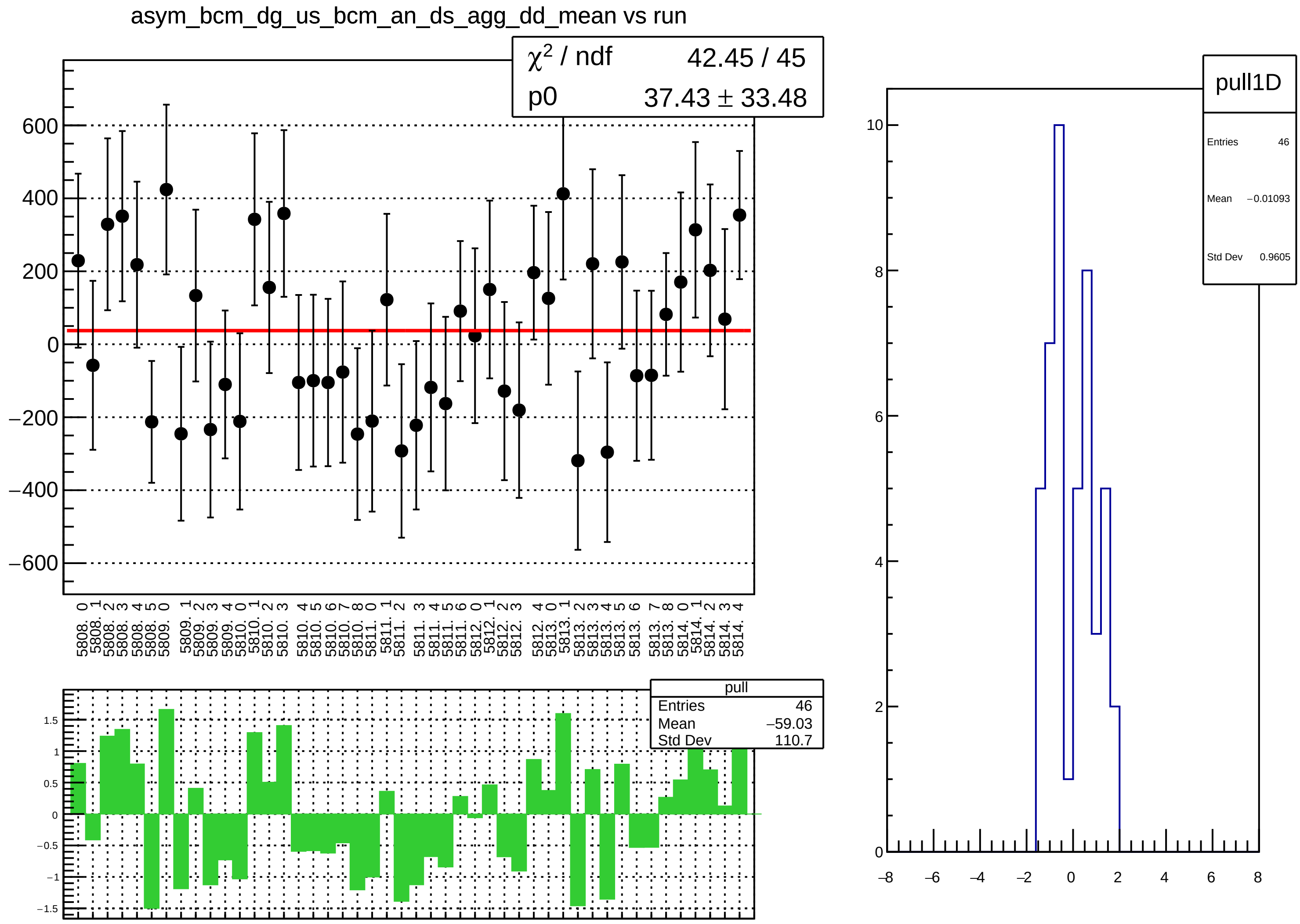
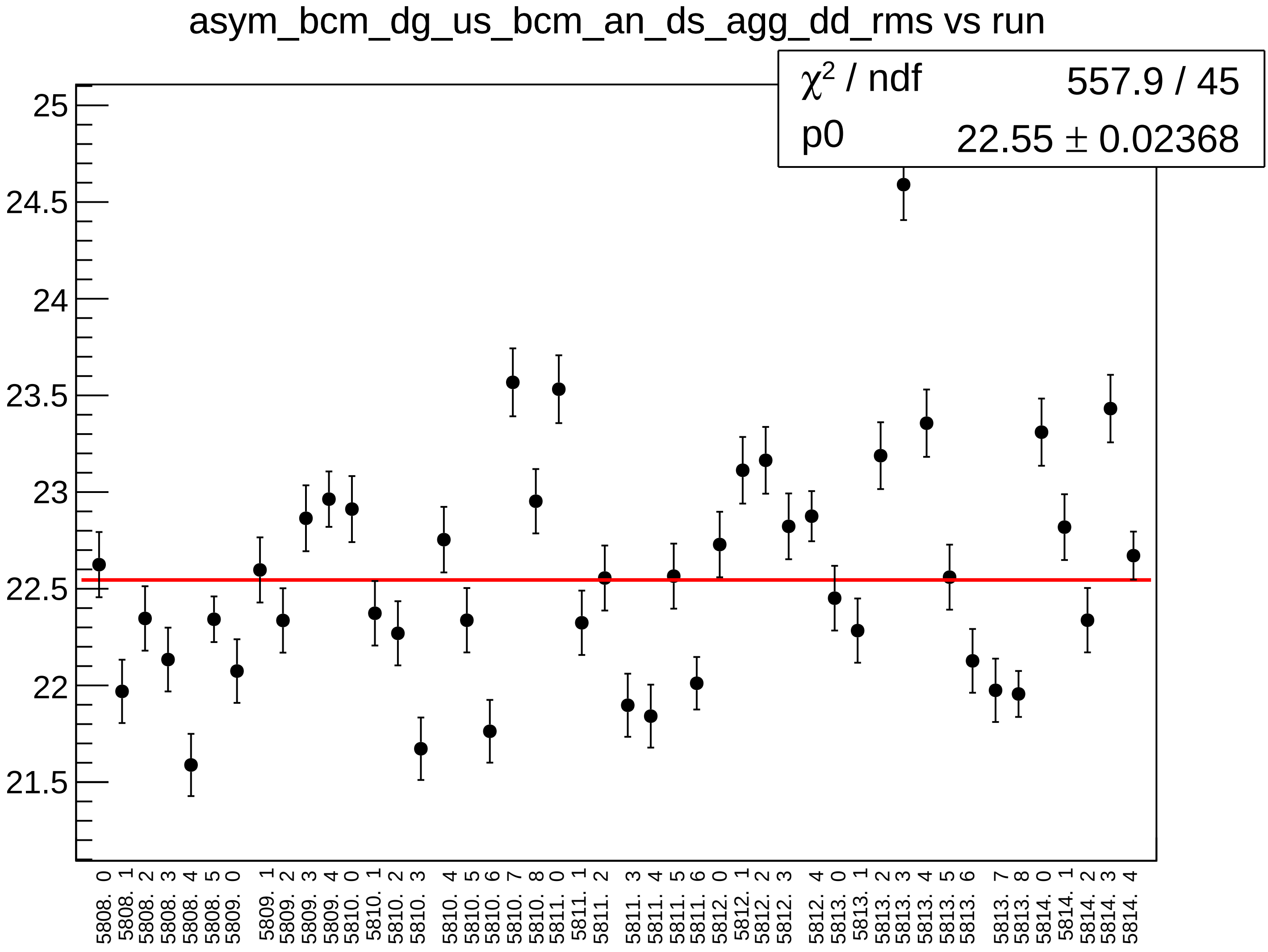
5814. 3
5814. 4


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 42.45 / 45
p0 37.43 ± 33.48
pull
Entries 46
Mean −59.03
Std Dev 110.7
pull1D
Entries 46
Mean −0.01093
Std Dev 0.9605


asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 557.9 / 45
p0 22.55 ± 0.02368
25
24.5
24
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
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5809. 3
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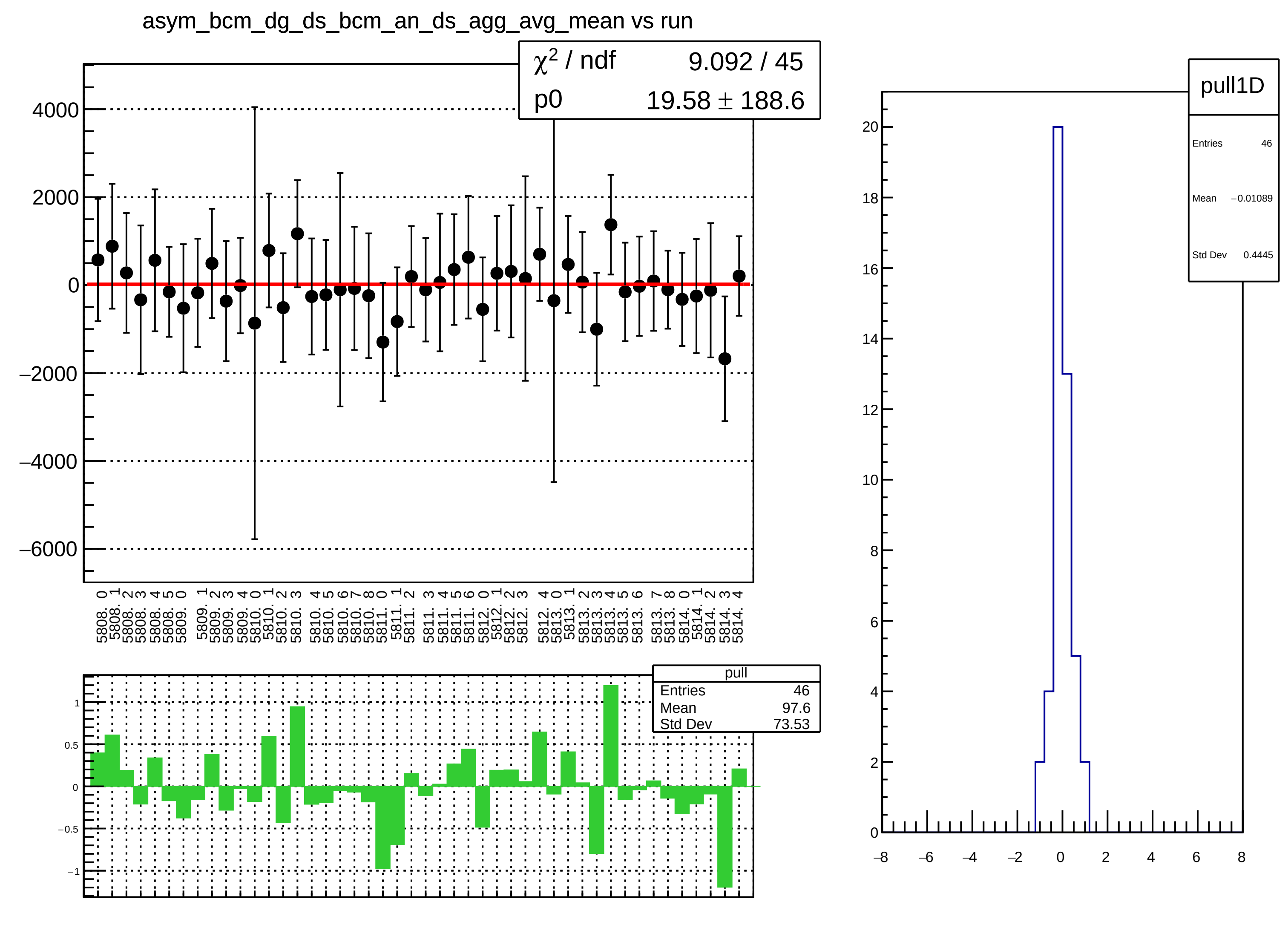
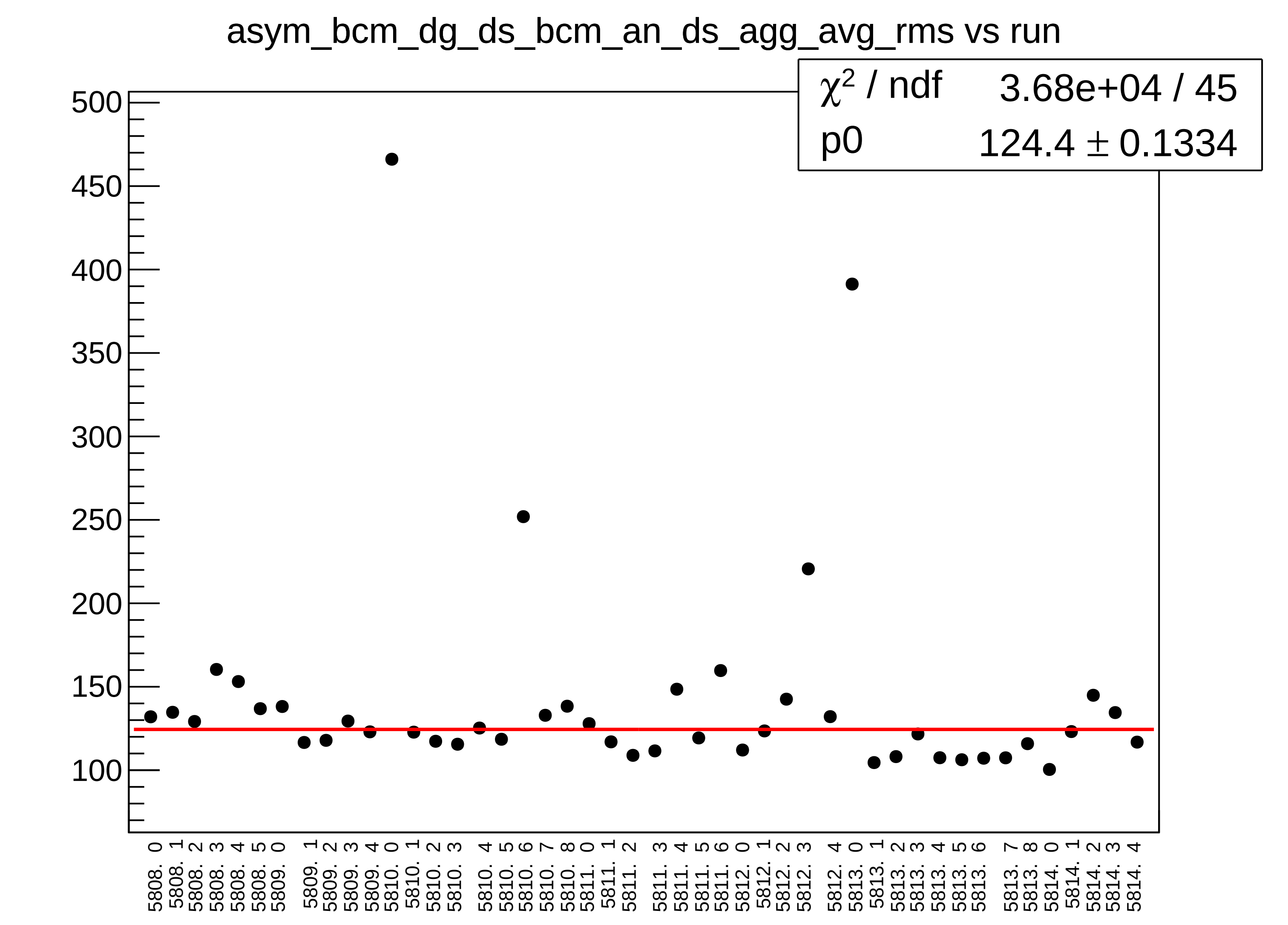
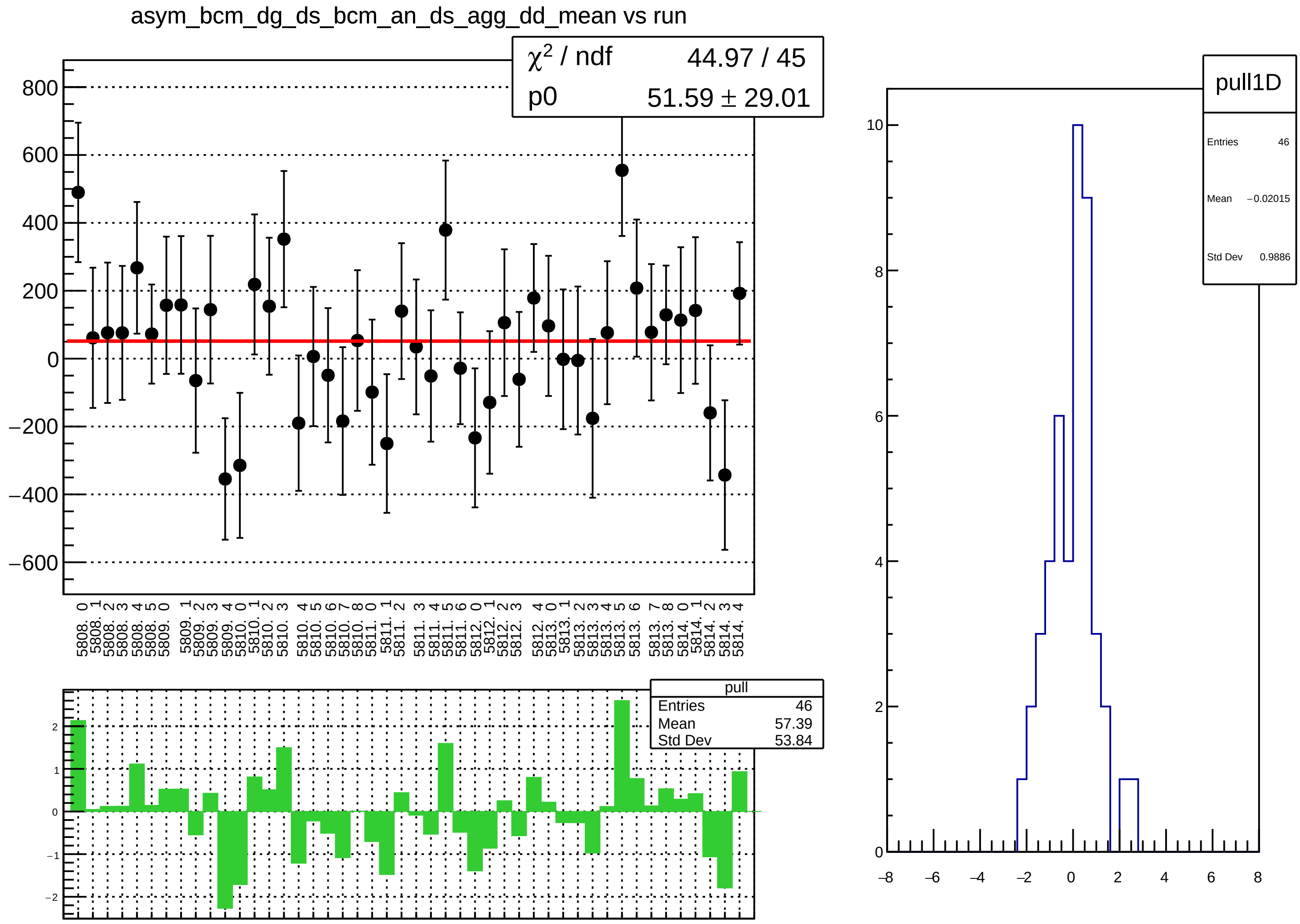
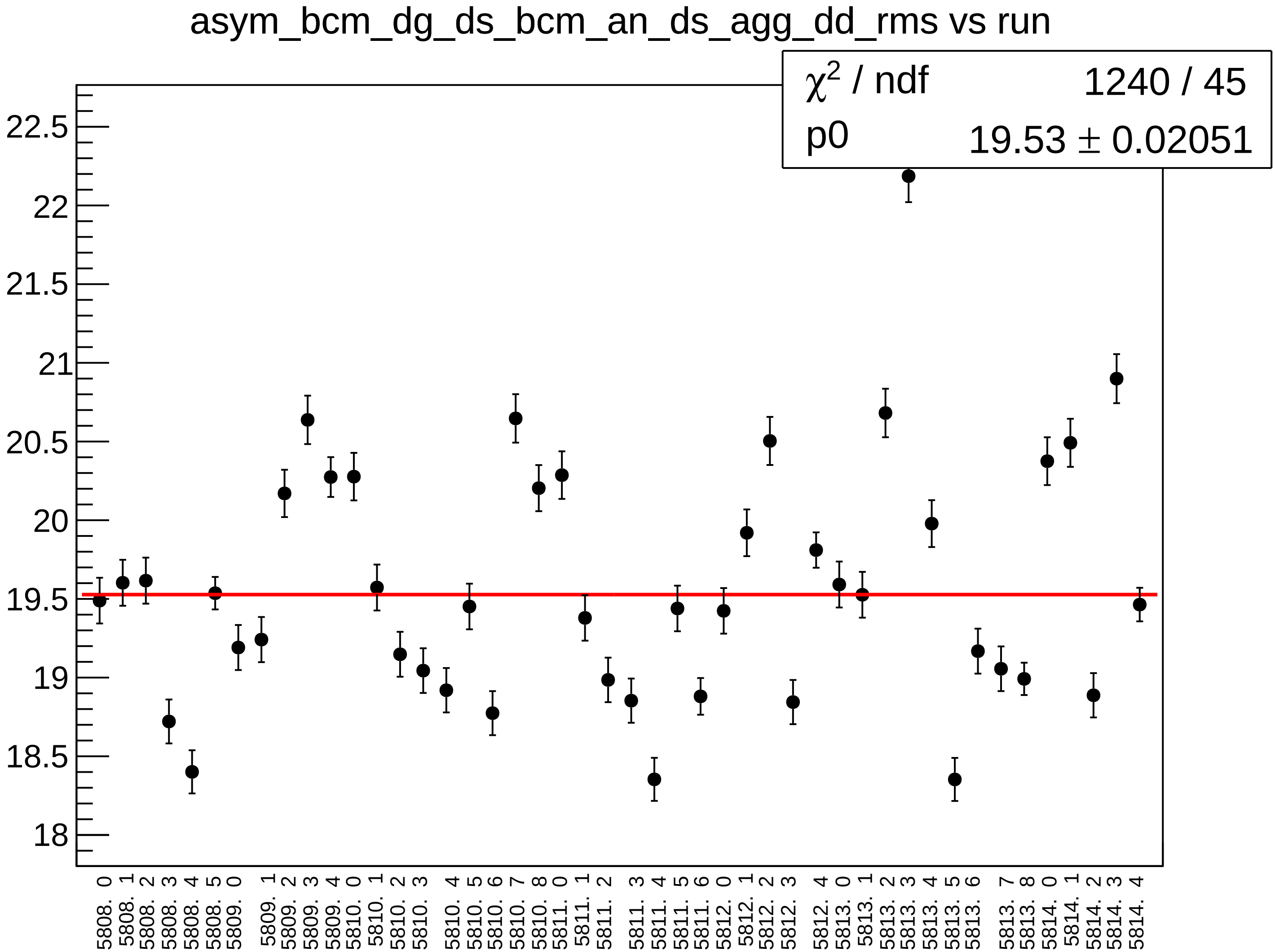
5814. 4



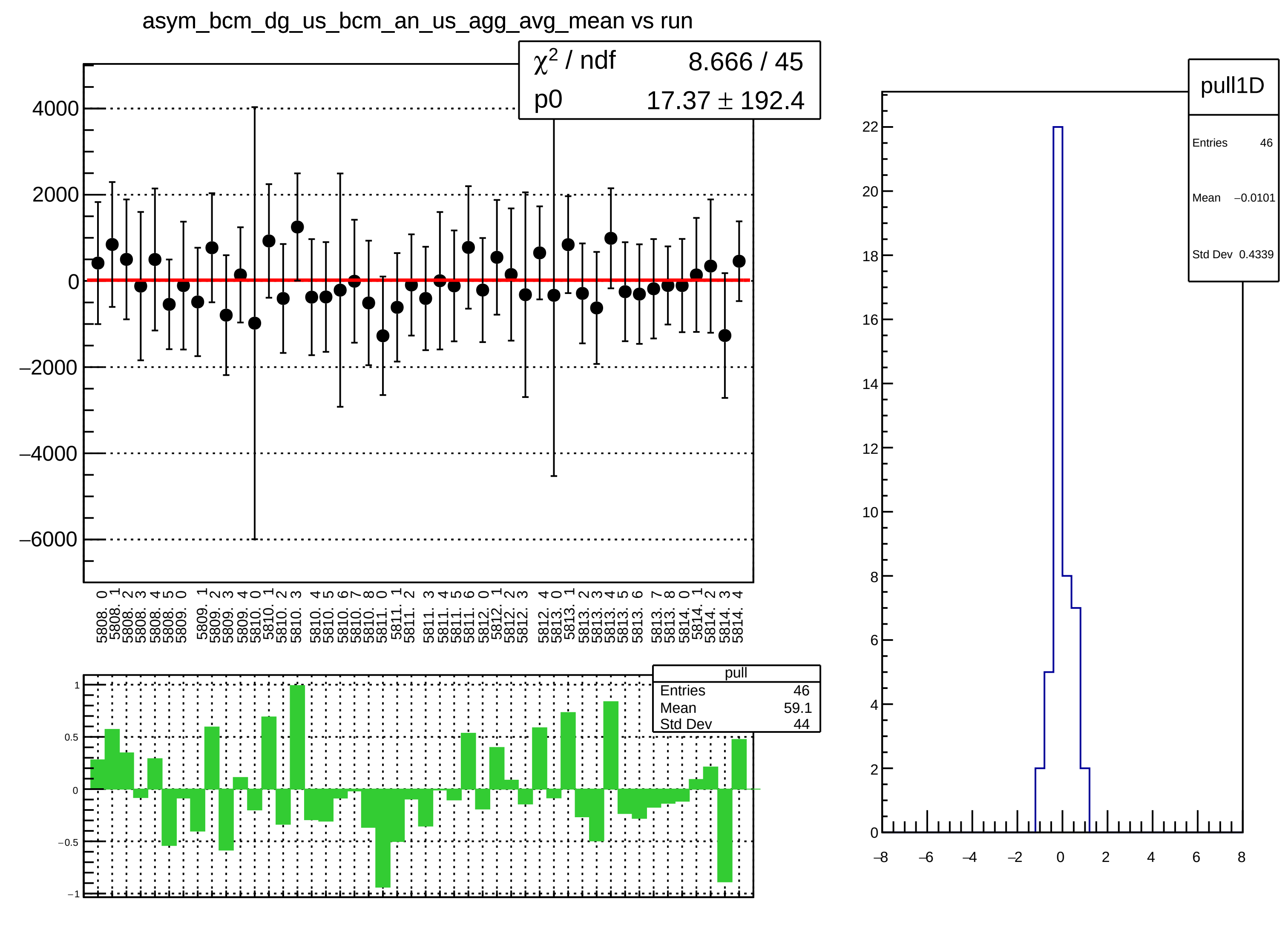
asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 9.092 / 45
p0 19.58 ± 188.6
pull
Entries 46
Mean 97.6
Std Dev 73.53
pull1D
Entries 46
Mean −0.01089
Std Dev 0.4445


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.68e+04 / 45
p0 124.4 ± 0.1334
500
450
400
350
300
250
200
150
100

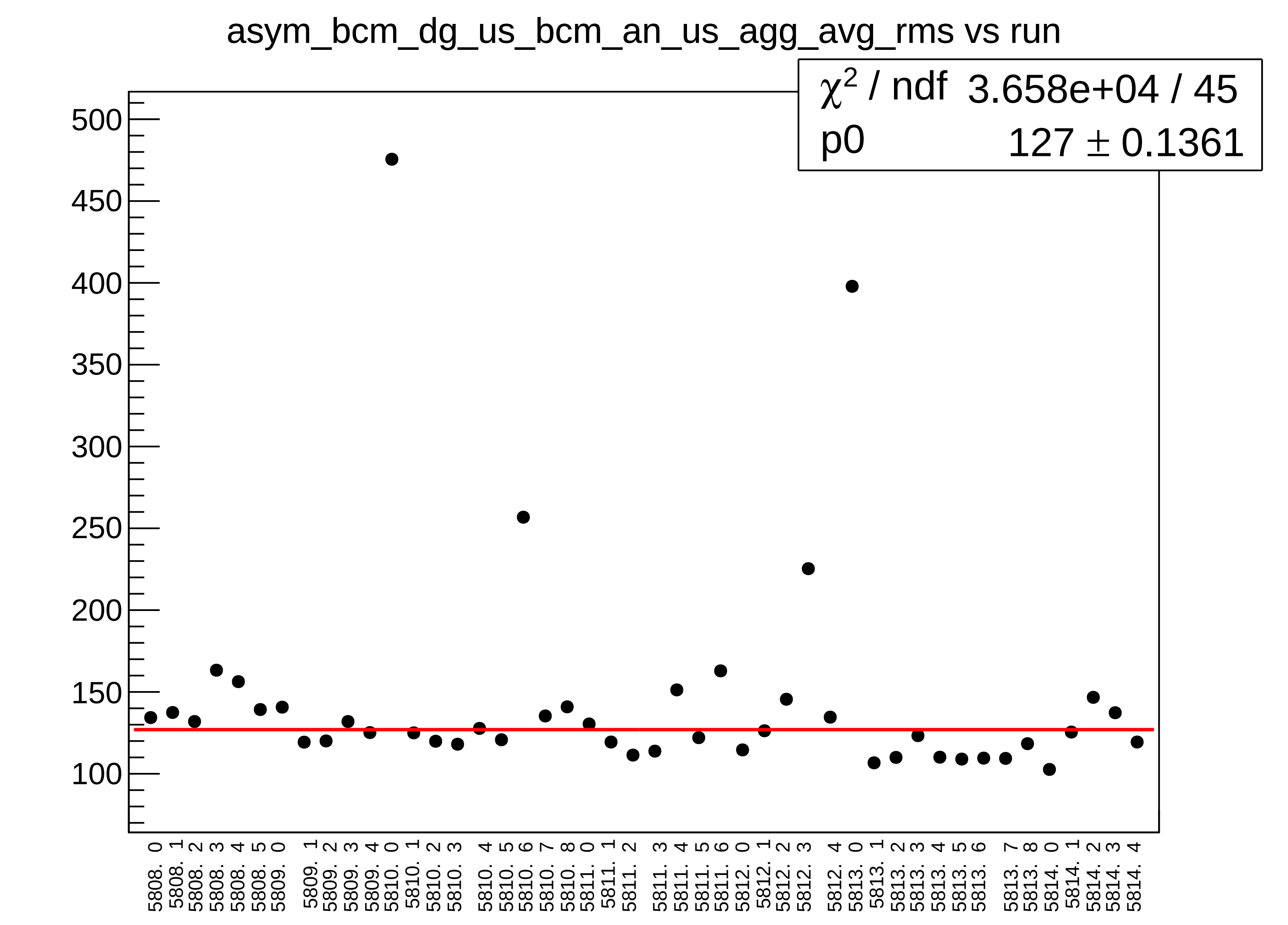

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 44.97 / 45
p0 51.59 ± 29.01
pull
Entries 46
Mean 57.39
Std Dev 53.84
pull1D
Entries 46
Mean −0.02015
Std Dev 0.9886



asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1240 / 45
p0 19.53 ± 0.02051
22.5
22
21.5
21
20.5
20
19.5
19
18.5
18



asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 8.666 / 45
p0 17.37 ± 192.4
pull
Entries 46
Mean 59.1
Std Dev 44
pull1D
Entries 46
Mean −0.0101
Std Dev 0.4339



asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 3.658e+04 / 45
p0 127 ± 0.1361
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
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5809. 2
5809. 3
5809. 4
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5810. 2
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5810. 6
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5812. 2
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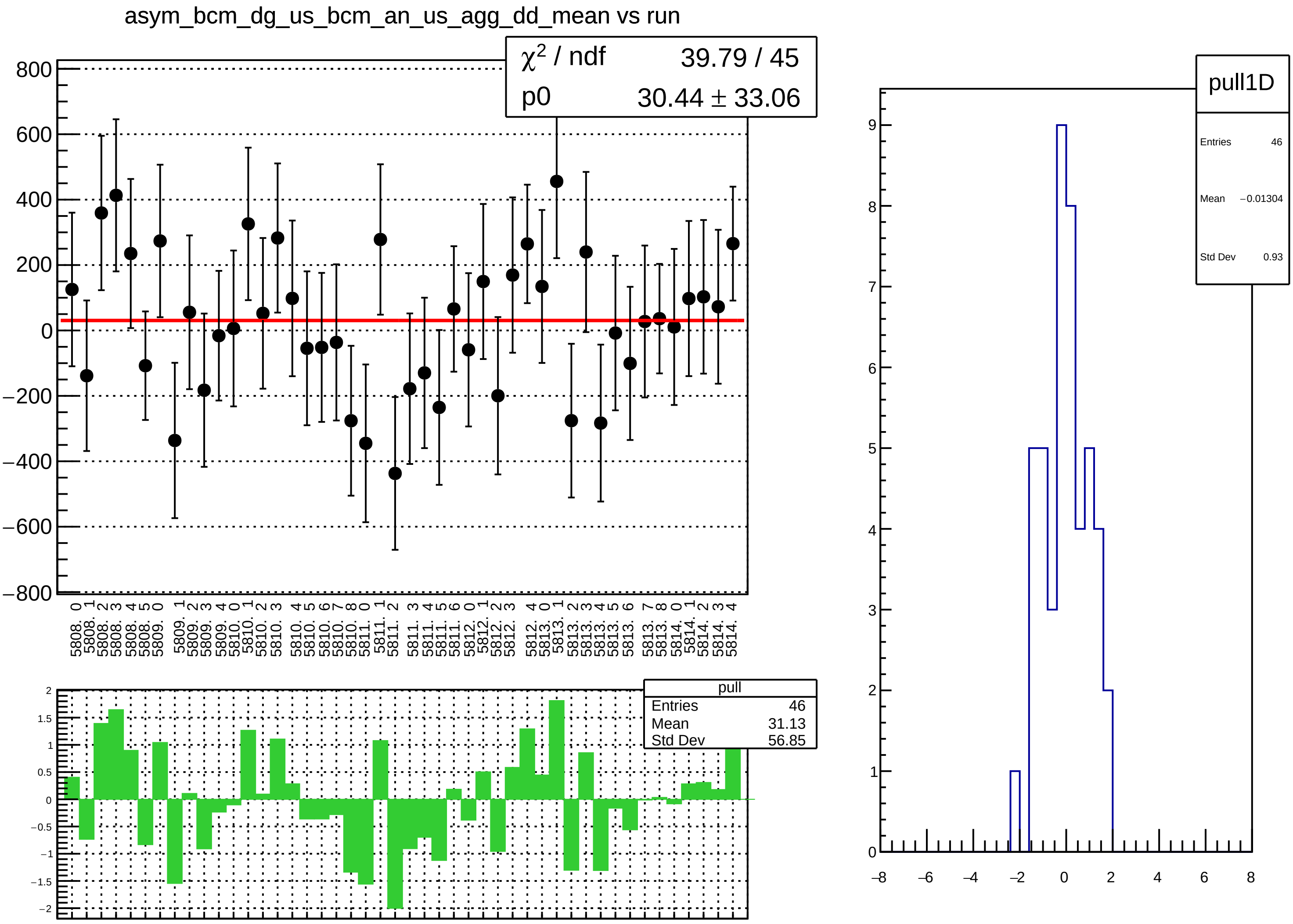
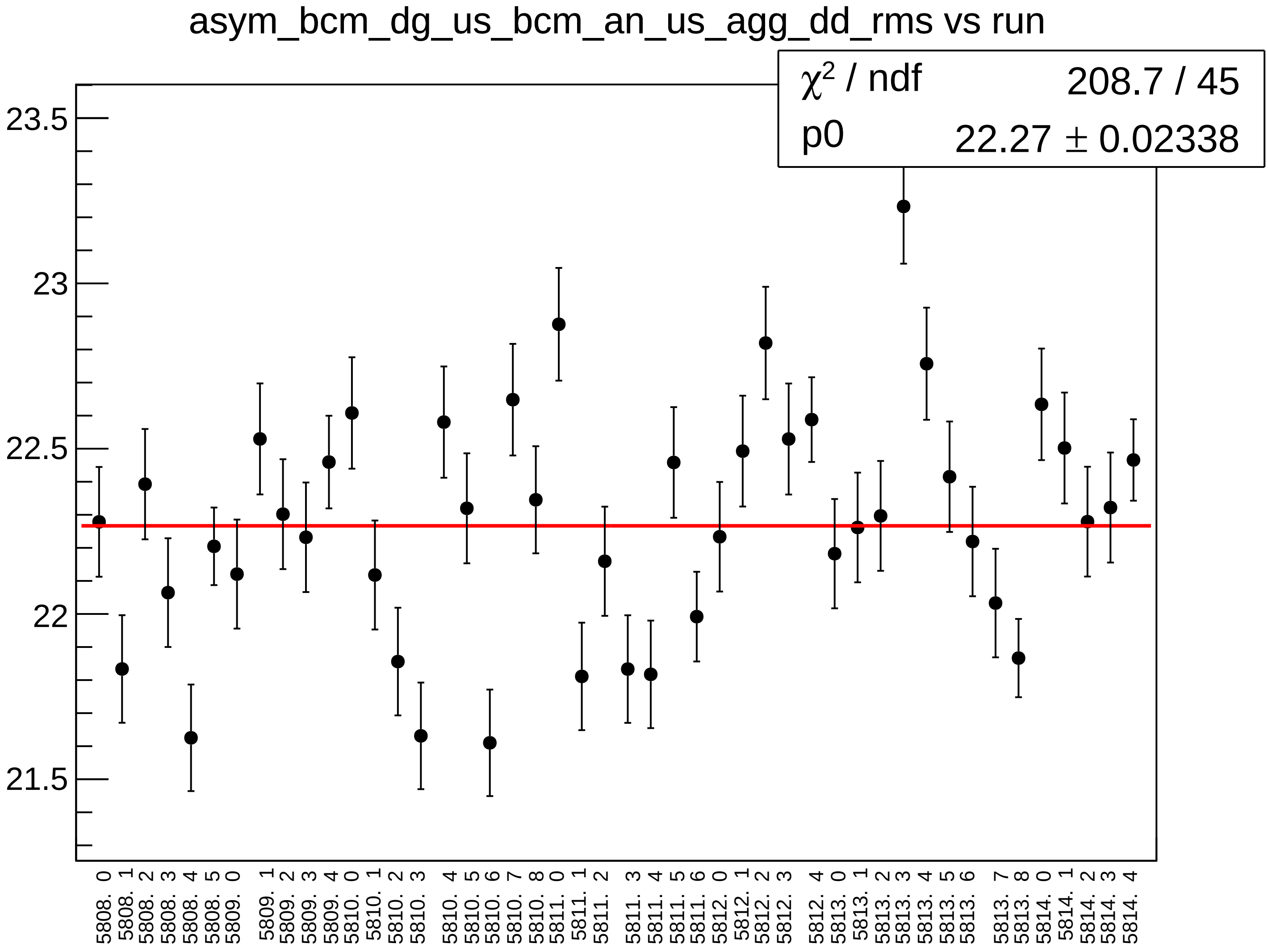


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 39.79 / 45
p0 30.44 ± 33.06
pull
Entries 46
Mean 31.13
Std Dev 56.85
pull1D
Entries 46
Mean −0.01304
Std Dev 0.93


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 208.7 / 45
p0 22.27 ± 0.02338
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
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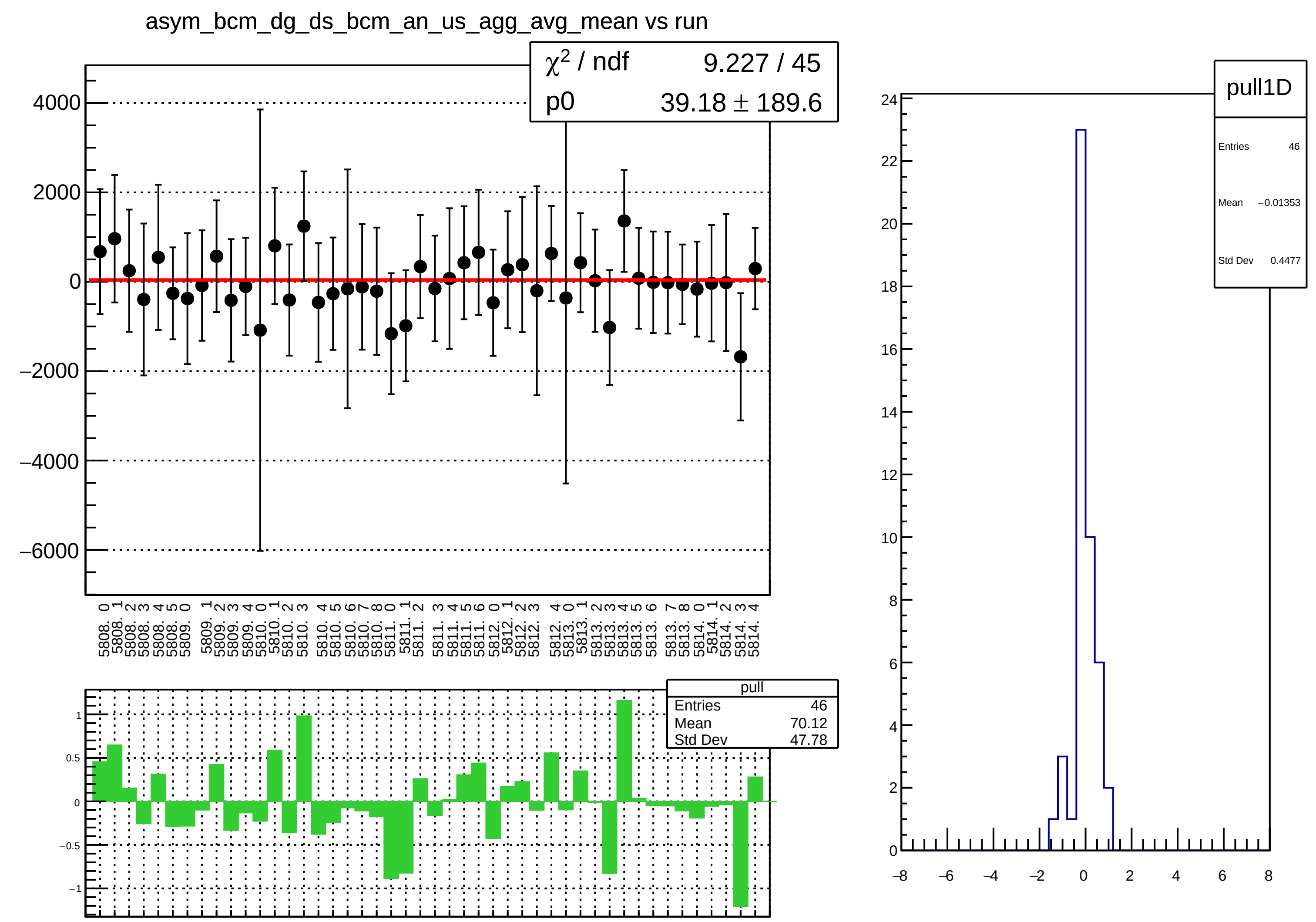
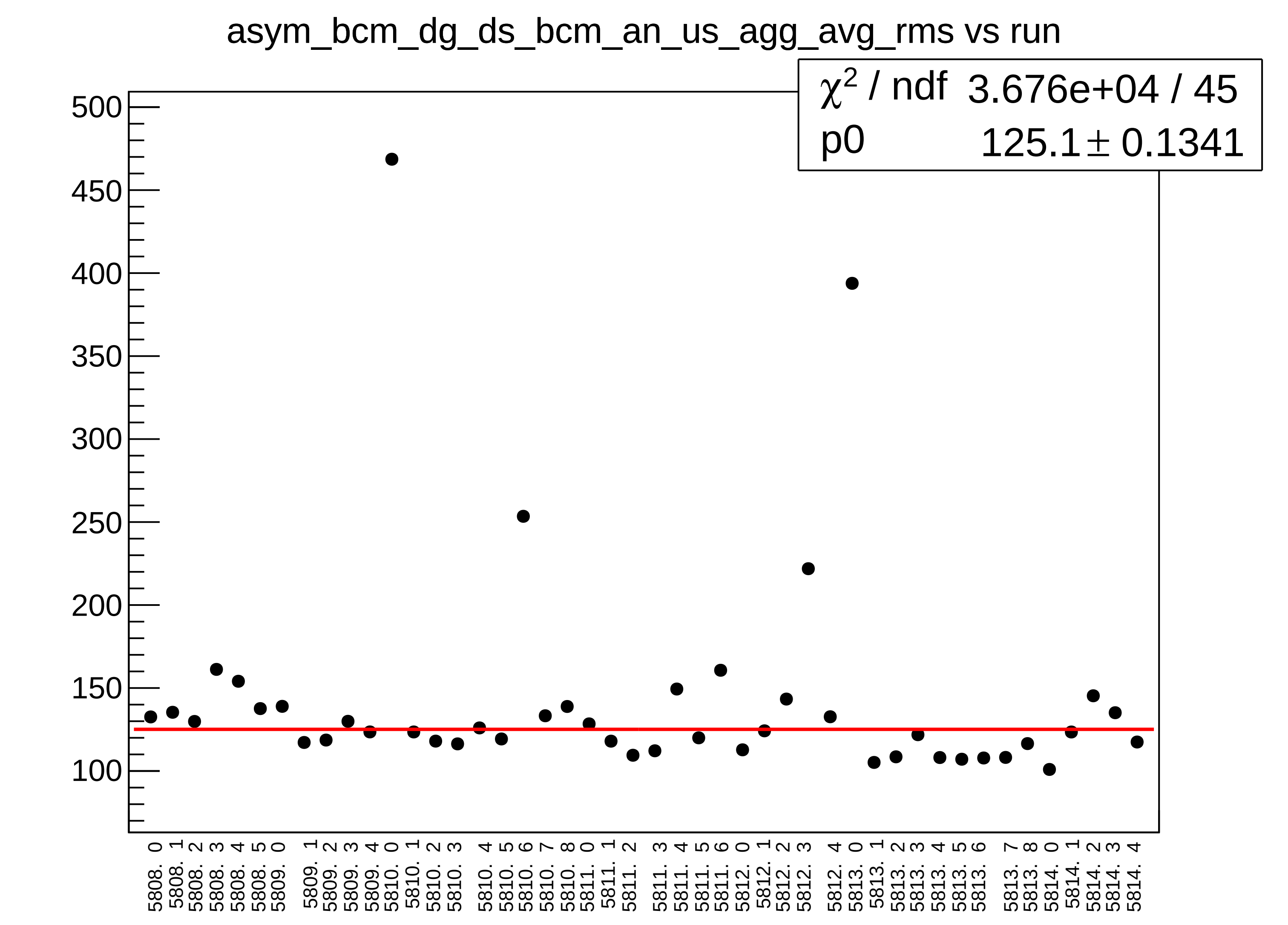
5814. 4


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 9.227 / 45
p0 39.18 ± 189.6
pull
Entries 46
Mean 70.12
Std Dev 47.78
pull1D
Entries 46
Mean −0.01353
Std Dev 0.4477


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.676e+04 / 45
p0 125.1 ± 0.1341
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
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5808. 4
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5809. 4
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5810. 2
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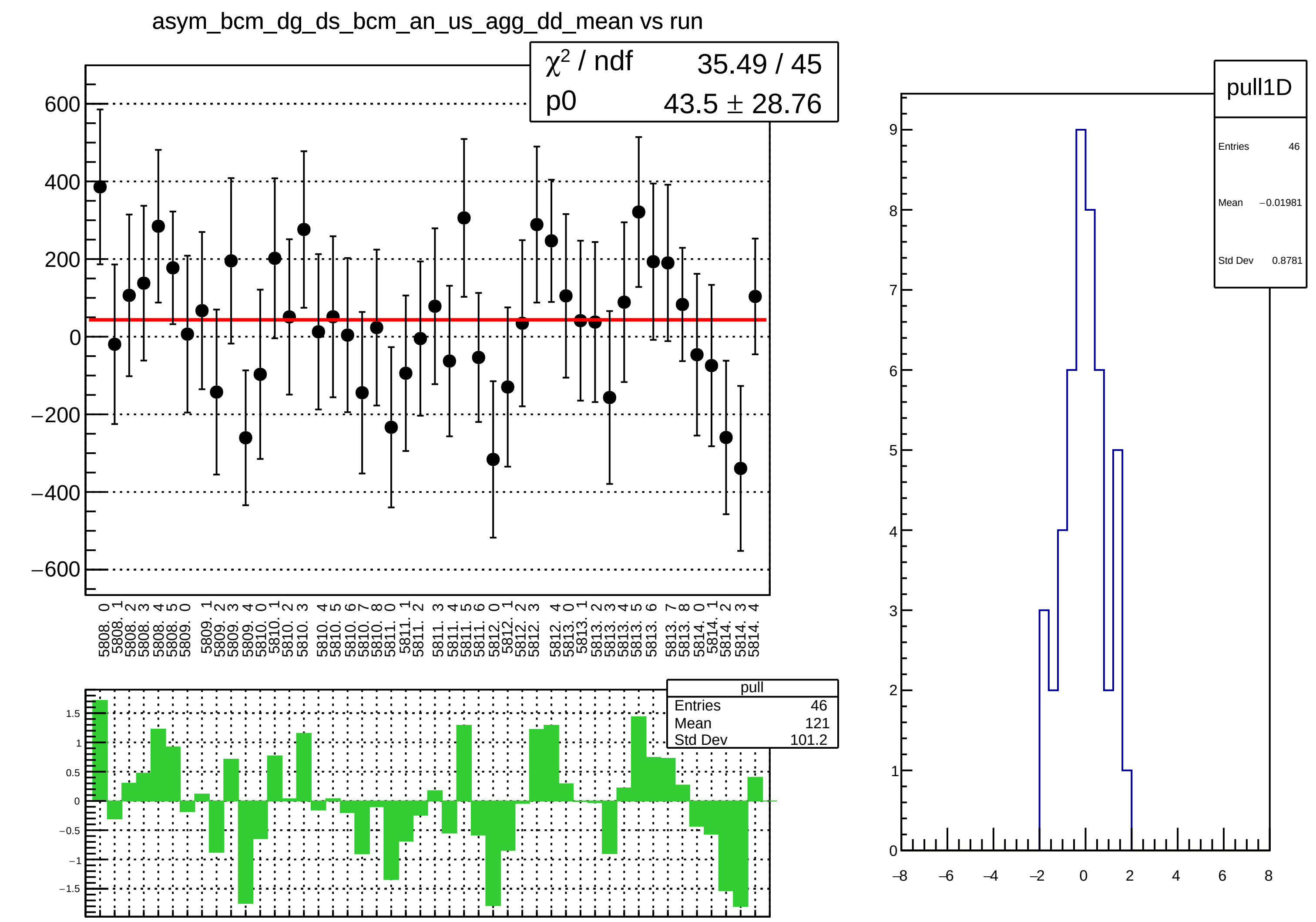
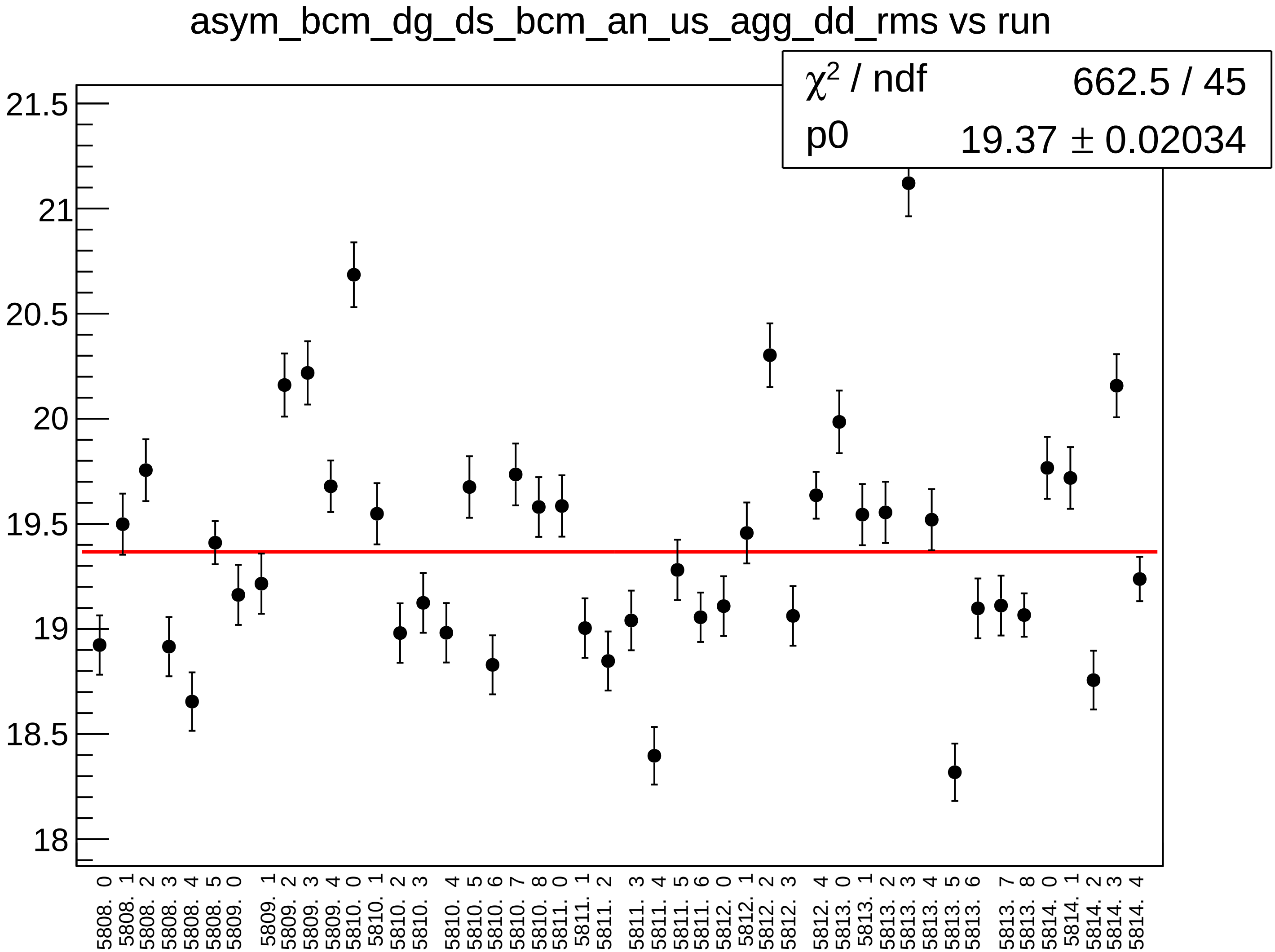
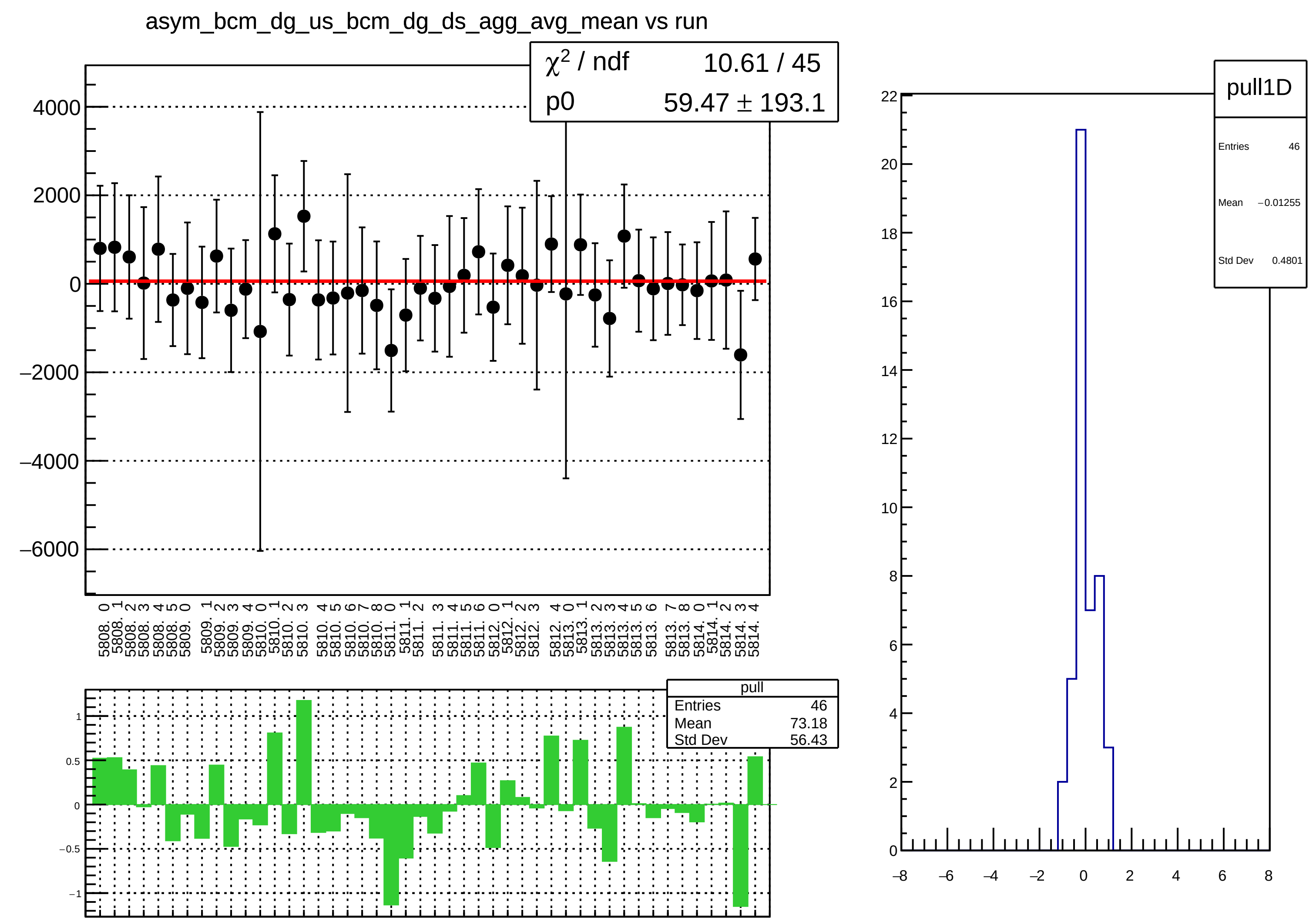


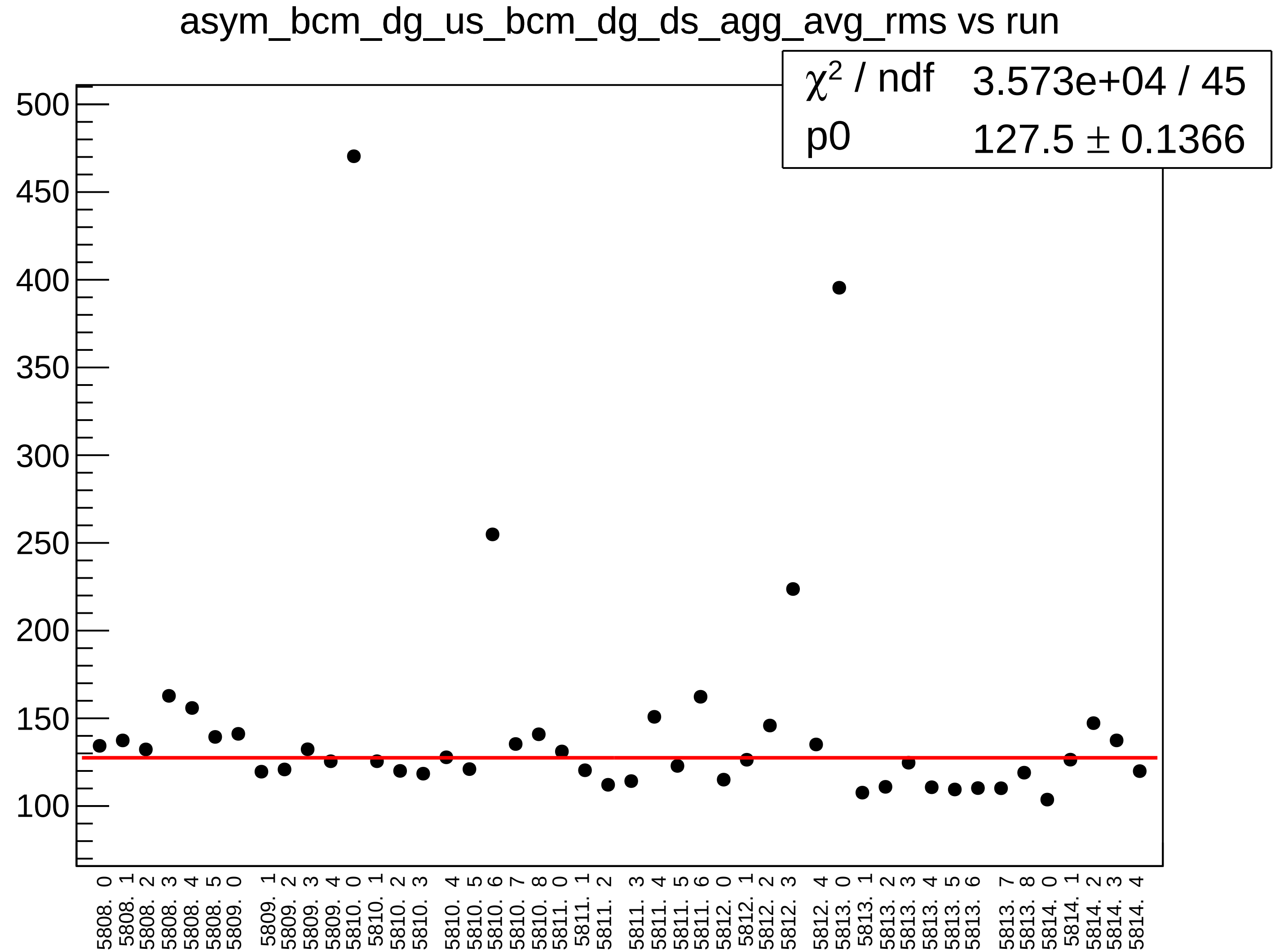
asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ2 / ndf 35.49 / 45
p0 43.5 ± 28.76
pull
Entries 46
Mean 121
Std Dev 101.2
pull1D
Entries 46
Mean −0.01981
Std Dev 0.8781



asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 662.5 / 45
p0 19.37 ± 0.02034
21.5
21
20.5
20
19.5
19
18.5
18



asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ2 / ndf 10.61 / 45
p0 59.47 ± 193.1
pull
Entries 46
Mean 73.18
Std Dev 56.43
pull1D
Entries 46
Mean −0.01255
Std Dev 0.4801



asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 3.573e+04 / 45
p0 127.5 ± 0.1366
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
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5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
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5813. 2
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5813. 8
5814. 0
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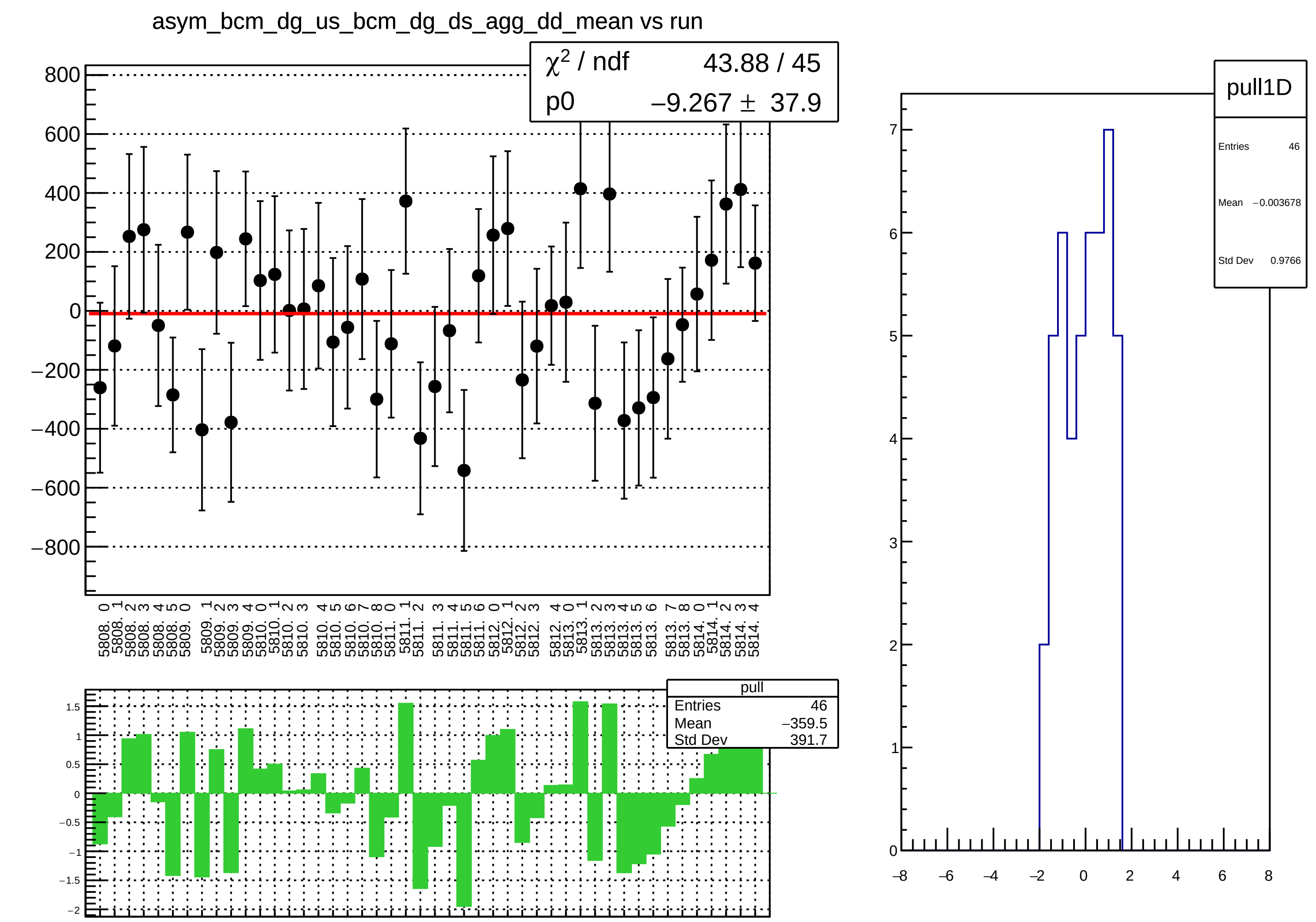
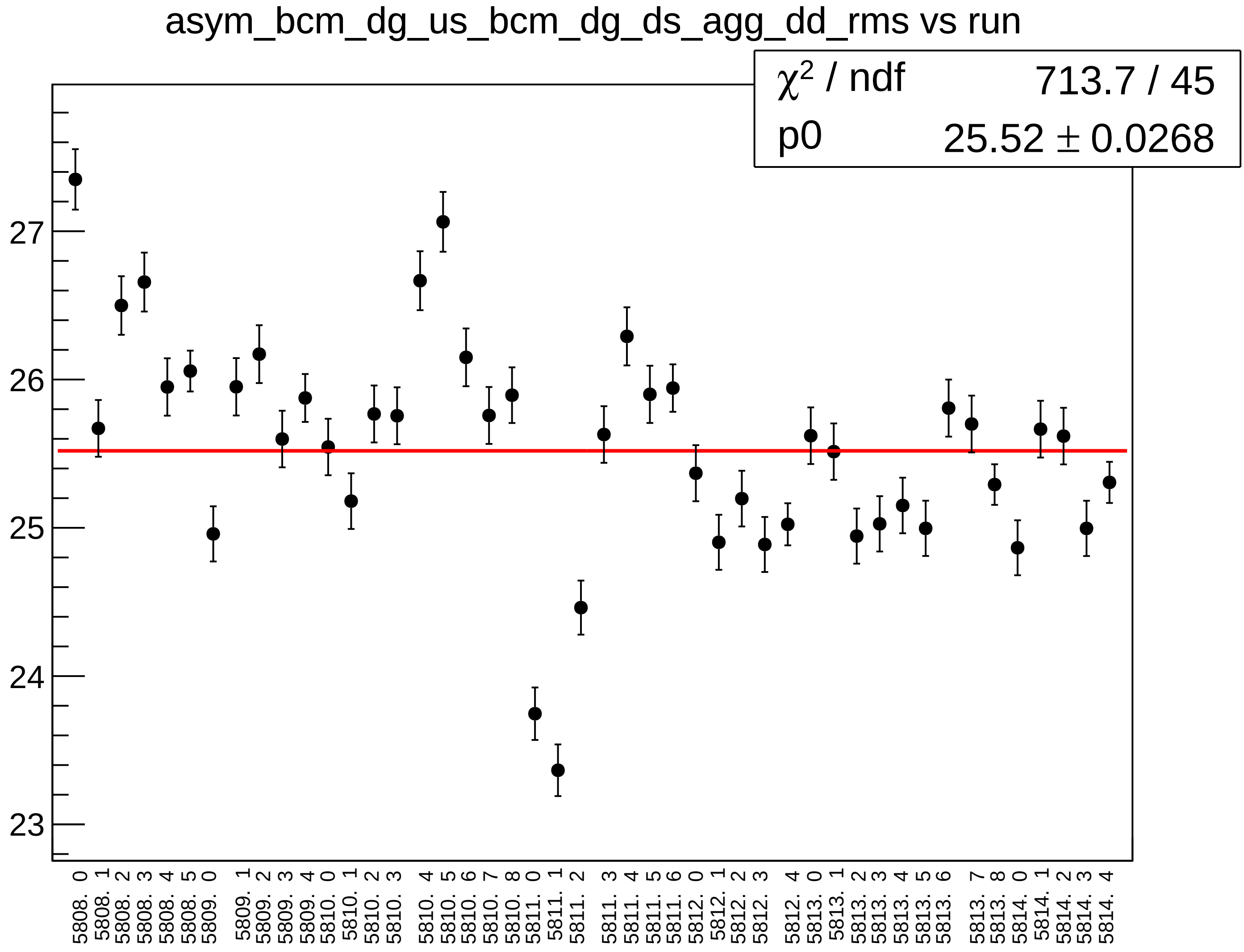
5814. 4


asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ2 / ndf 43.88 / 45
p0 −9.267 ± 37.9
pull
Entries 46
Mean −359.5
Std Dev 391.7
pull1D
Entries 46
Mean −0.003678
Std Dev 0.9766


asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 713.7 / 45
p0 25.52 ± 0.0268
27
26
25
24
23
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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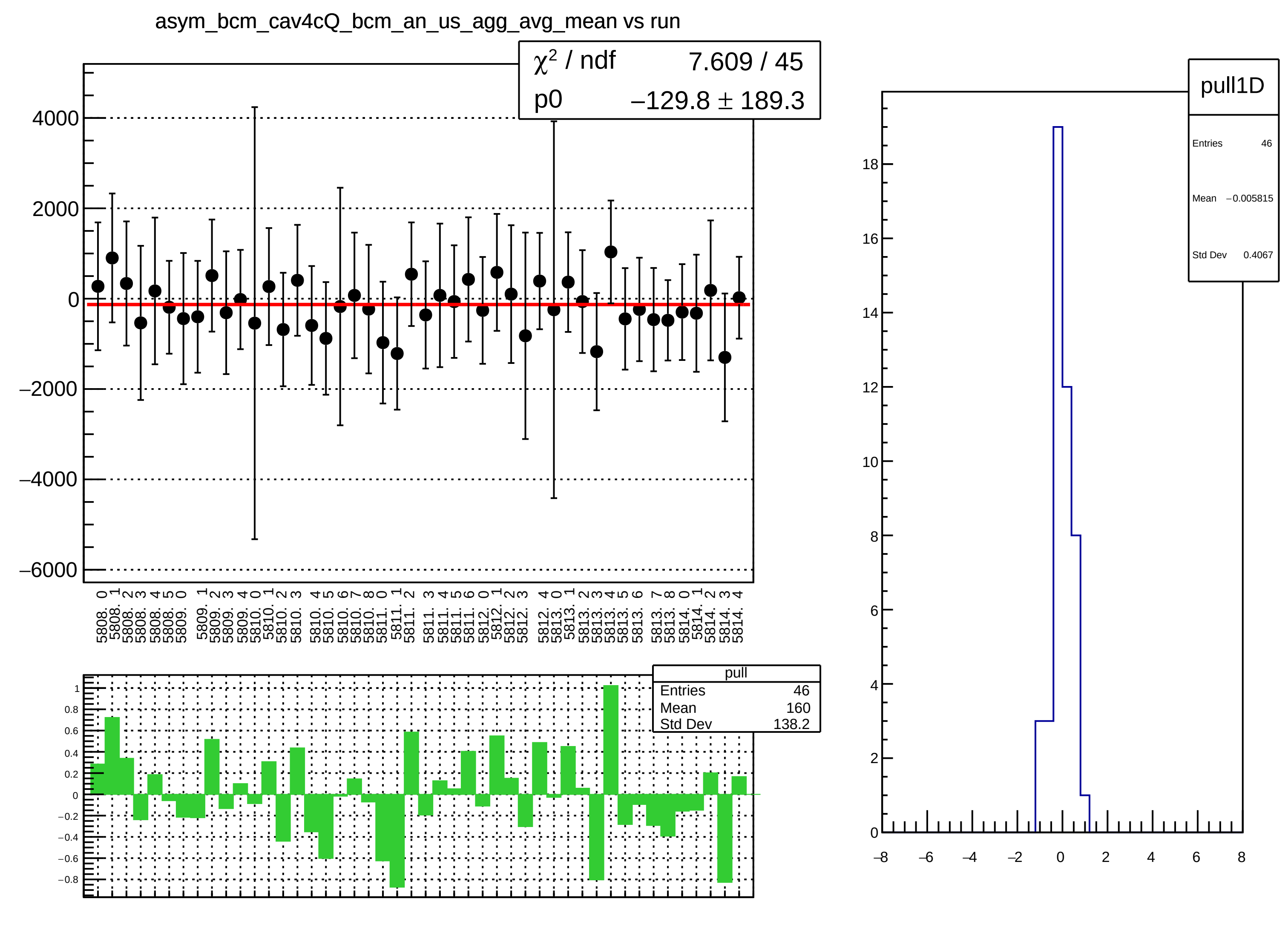
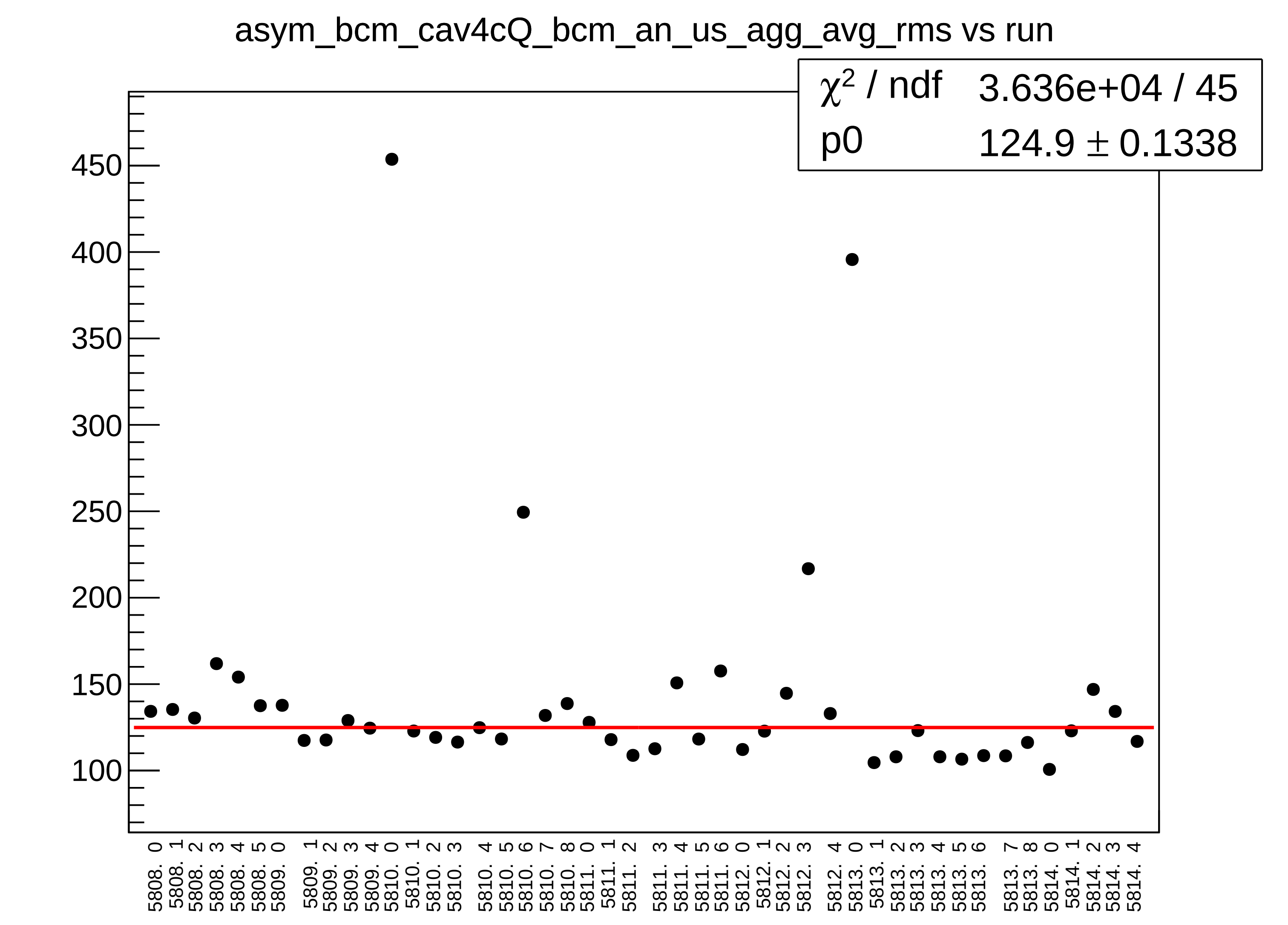
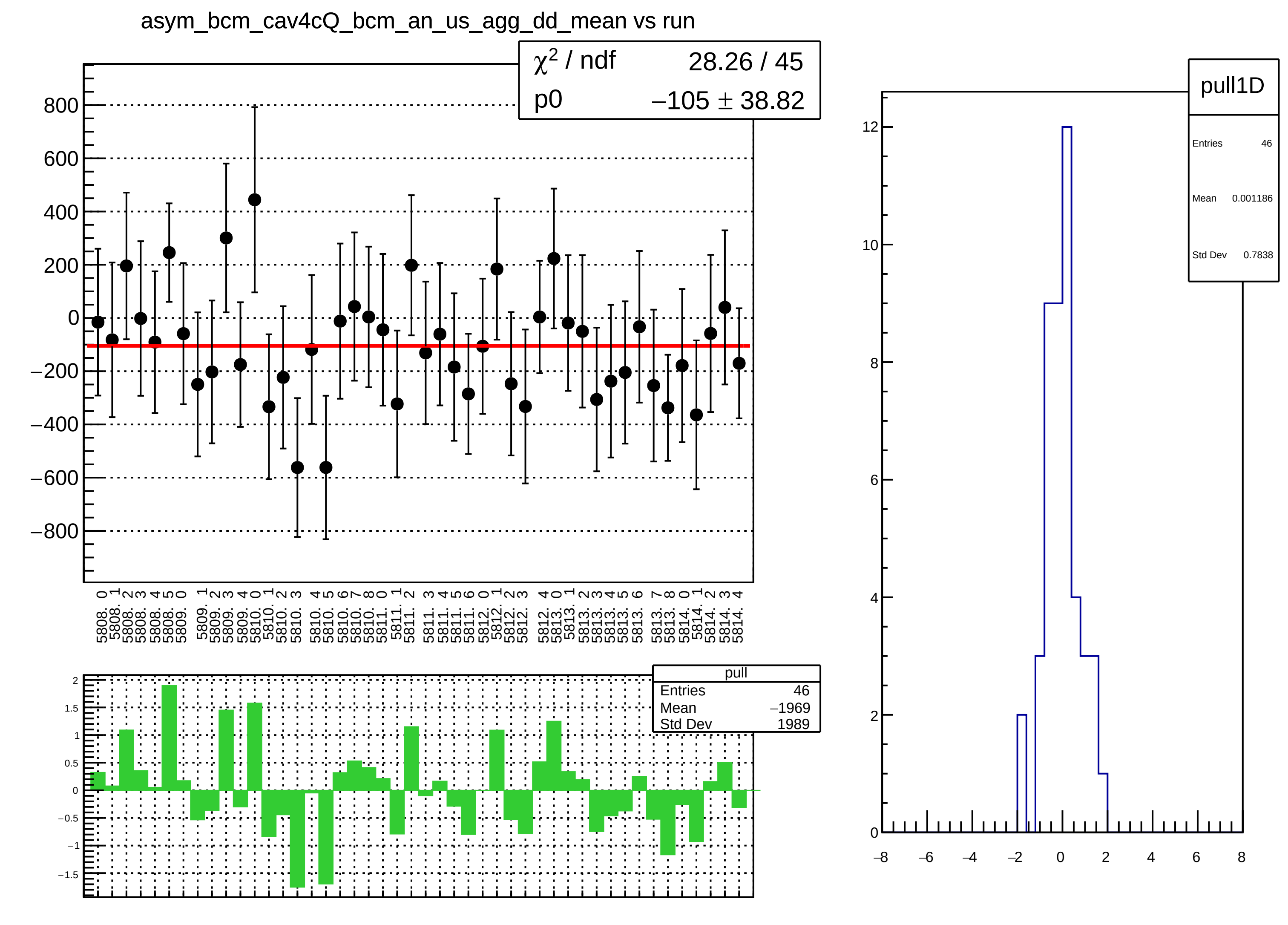


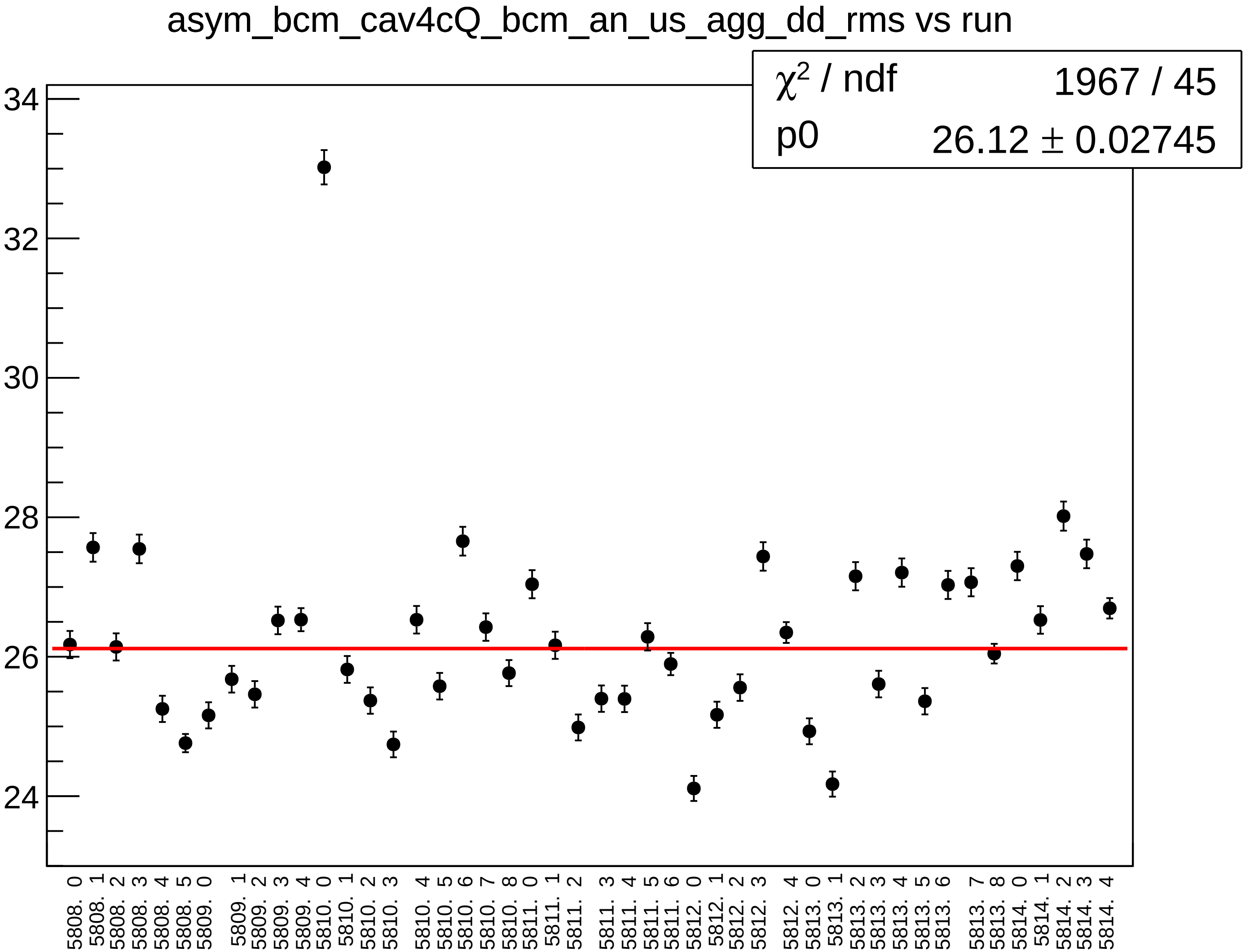
asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ2 / ndf 7.609 / 45
p0 −129.8 ± 189.3
pull
Entries 46
Mean 160
Std Dev 138.2
pull1D
Entries 46
Mean −0.005815
Std Dev 0.4067



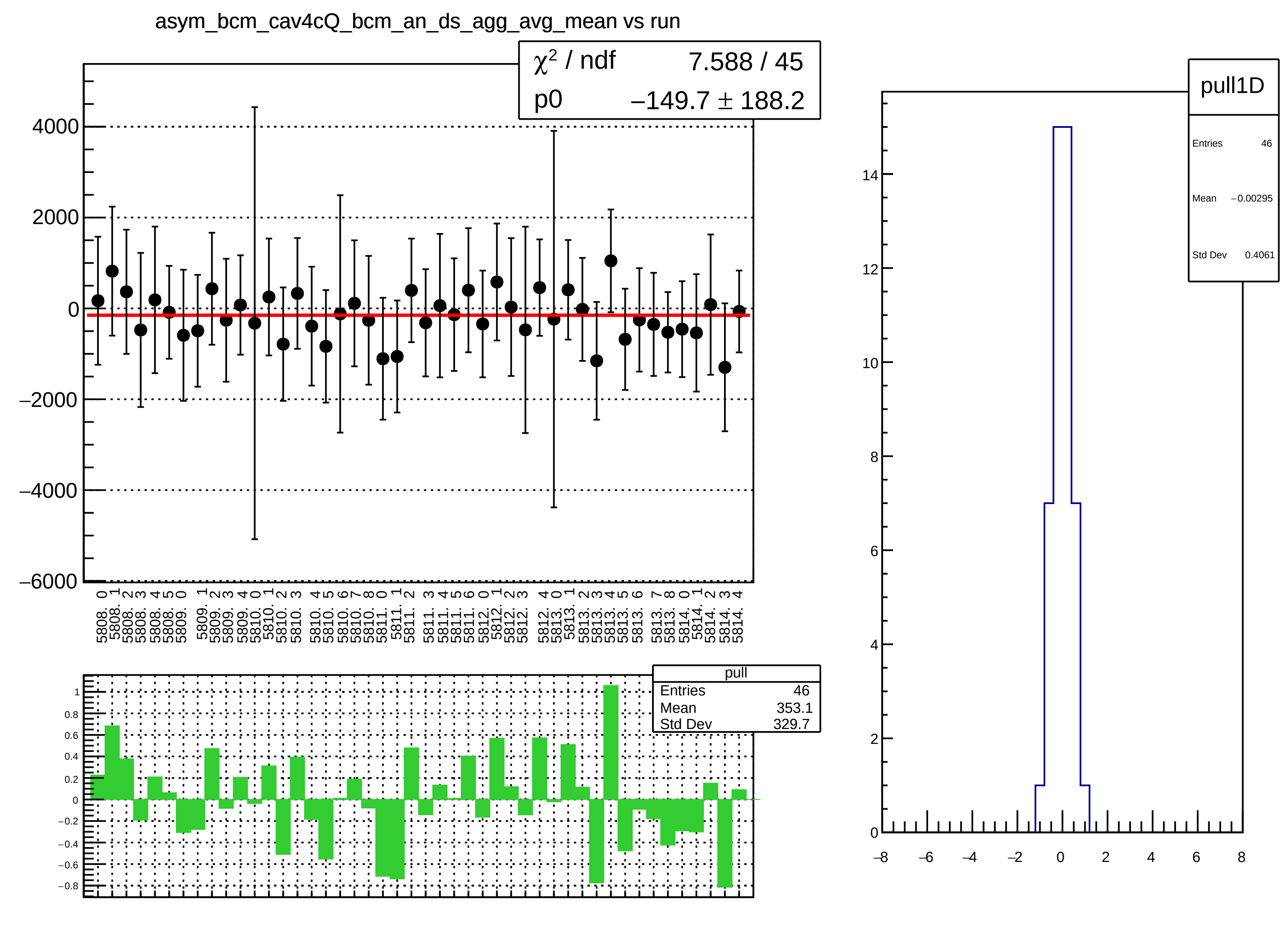
asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 3.636e+04 / 45
p0 124.9 ± 0.1338
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



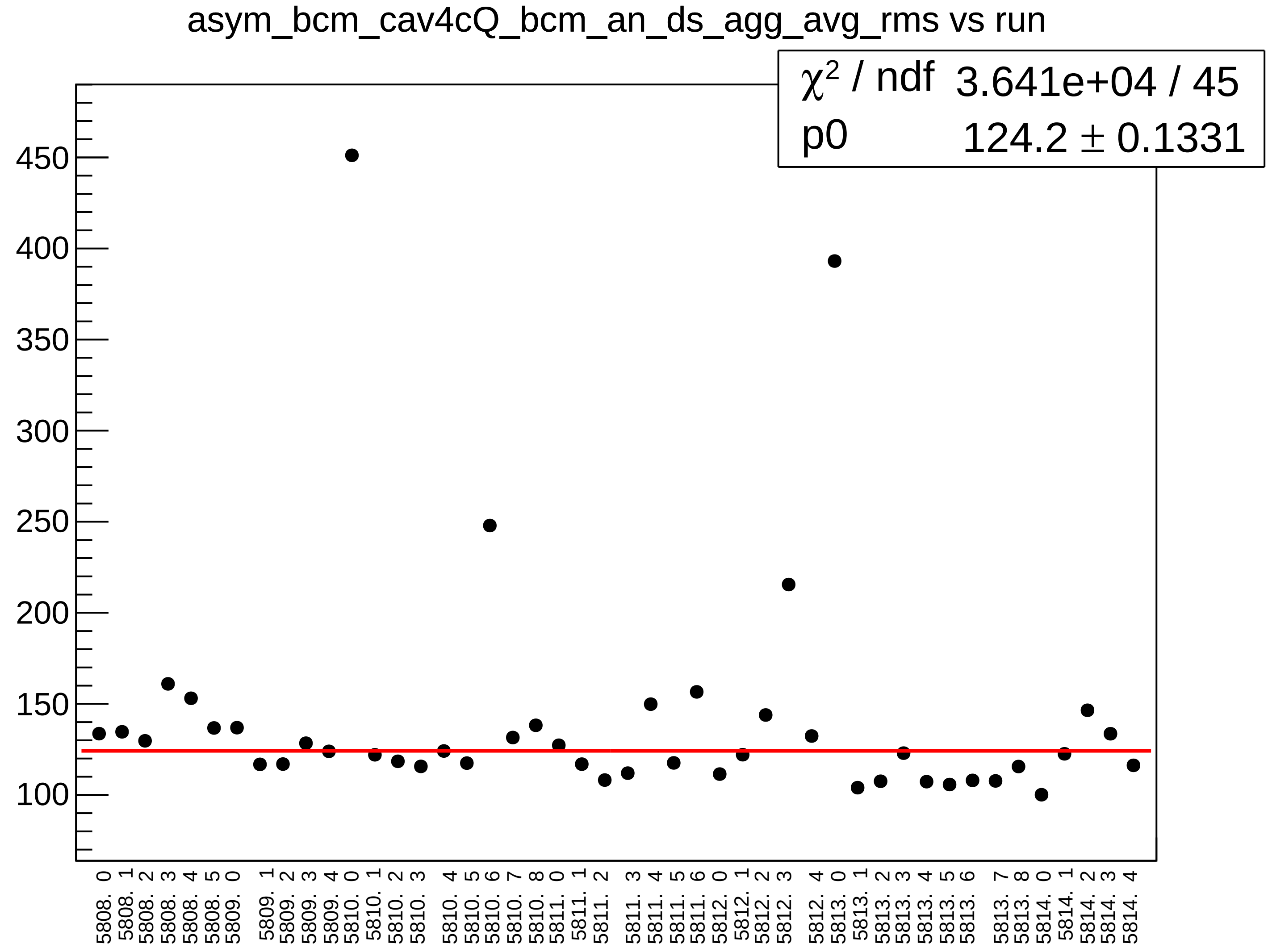
asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 28.26 / 45
p0 −105 ± 38.82
pull
Entries 46
Mean −1969
Std Dev 1989
pull1D
Entries 46
Mean 0.001186
Std Dev 0.7838



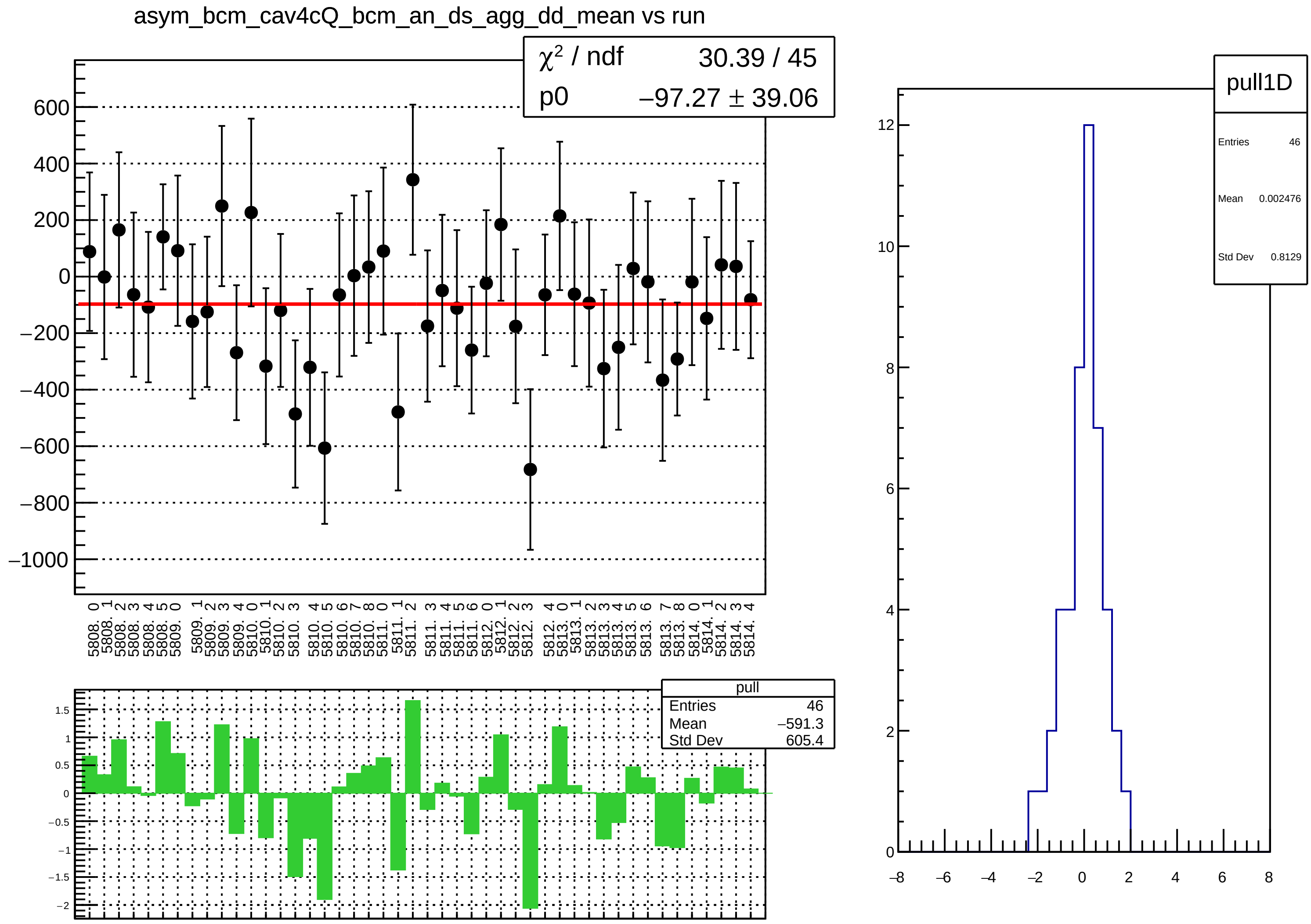
asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 1967 / 45
p0 26.12 ± 0.02745
34
32
30
28
26
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



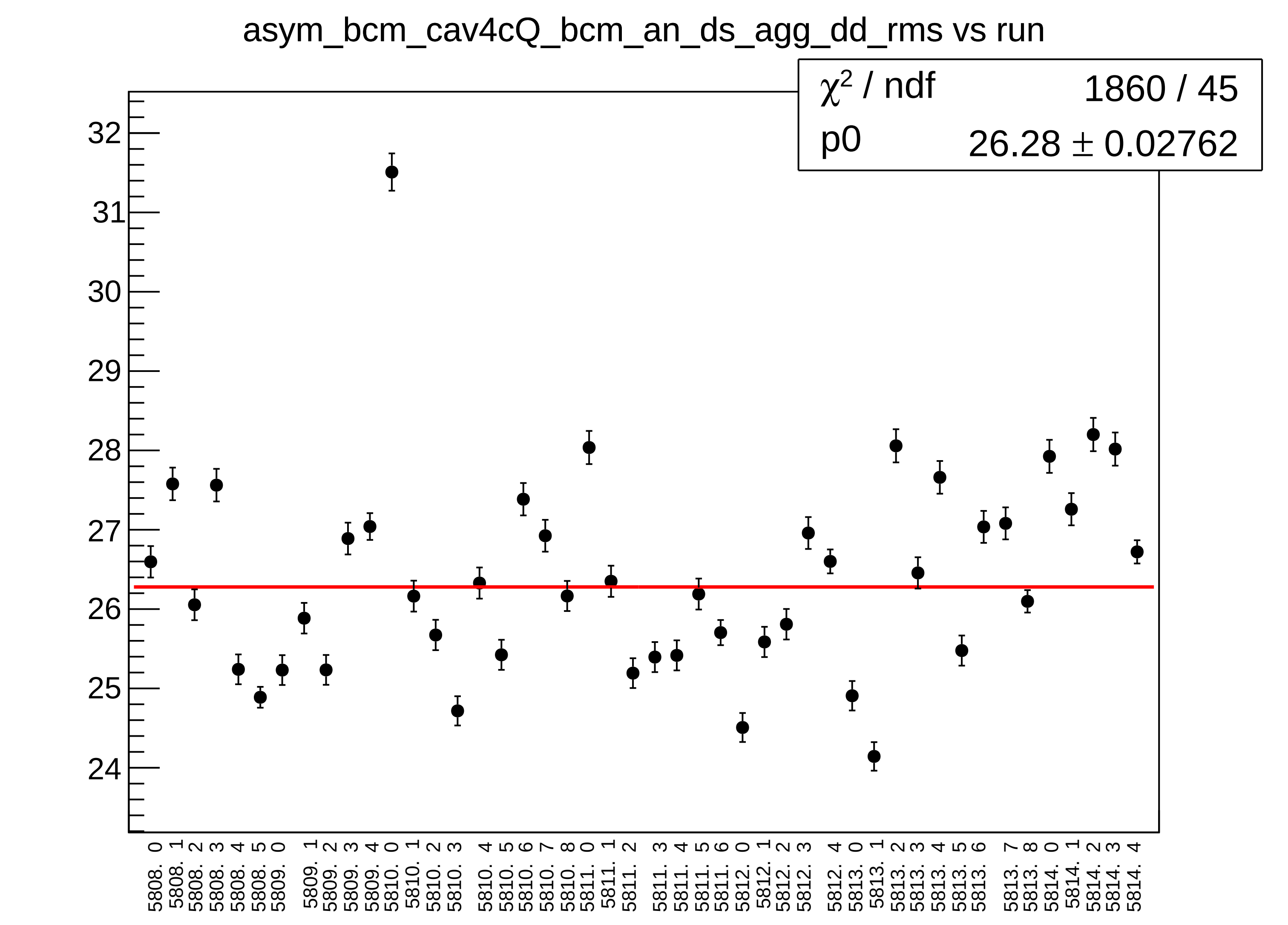
asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 7.588 / 45
p0 −149.7 ± 188.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 46
Mean 353.1
Std Dev 329.7
pull1D
Entries 46
Mean −0.00295
Std Dev 0.4061

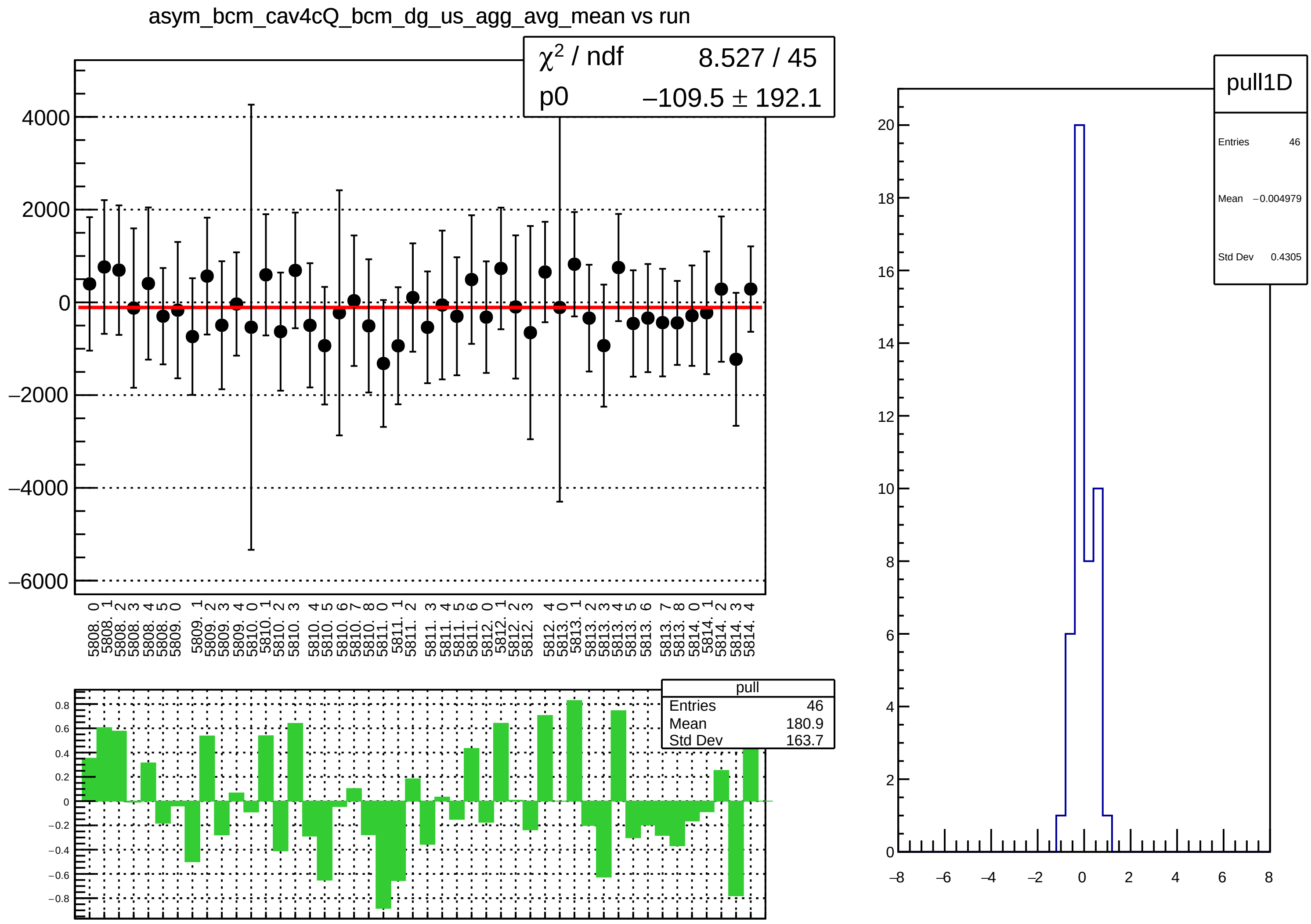


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 3.641e+04 / 45
p0 124.2 ± 0.1331
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

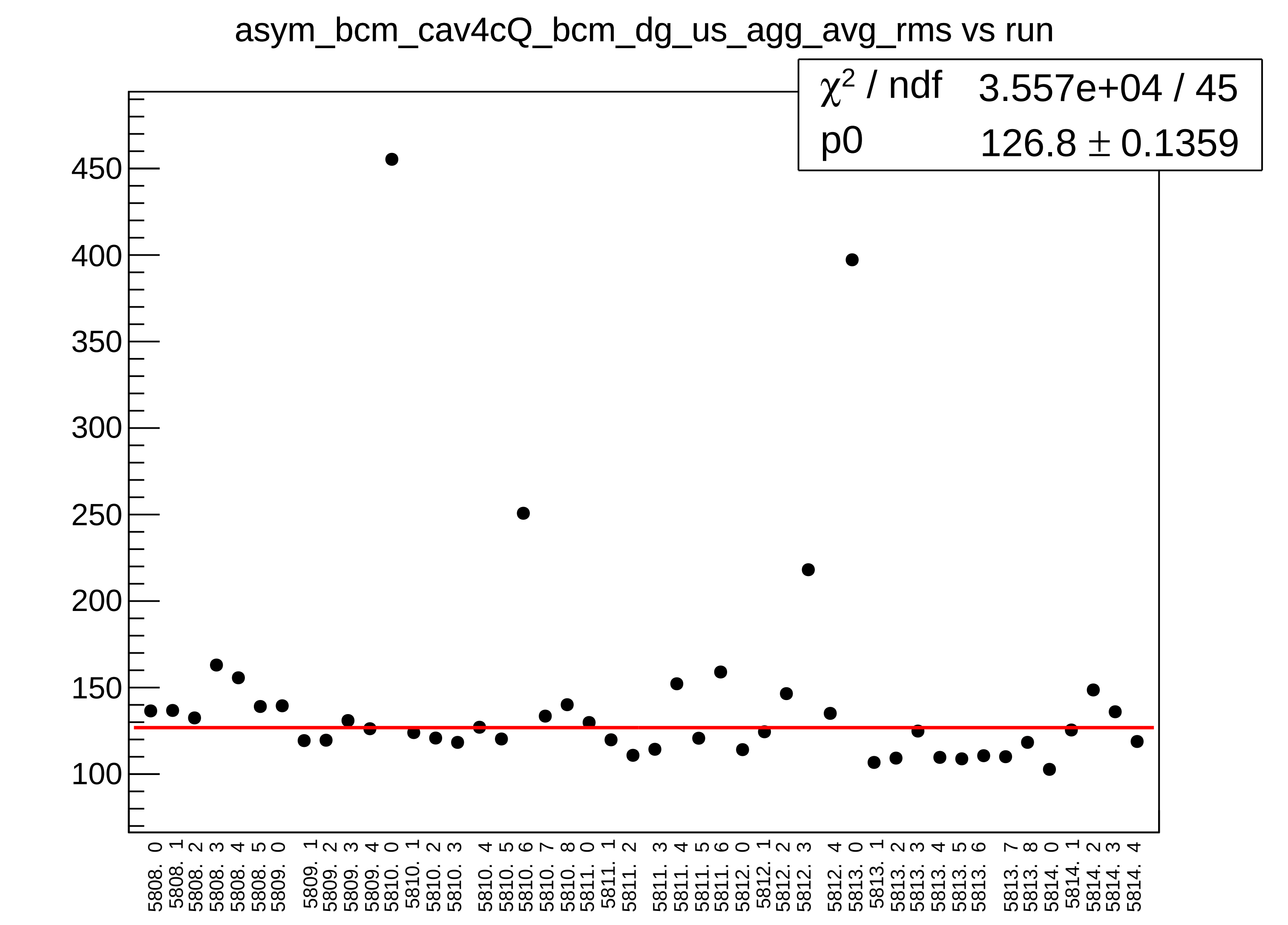


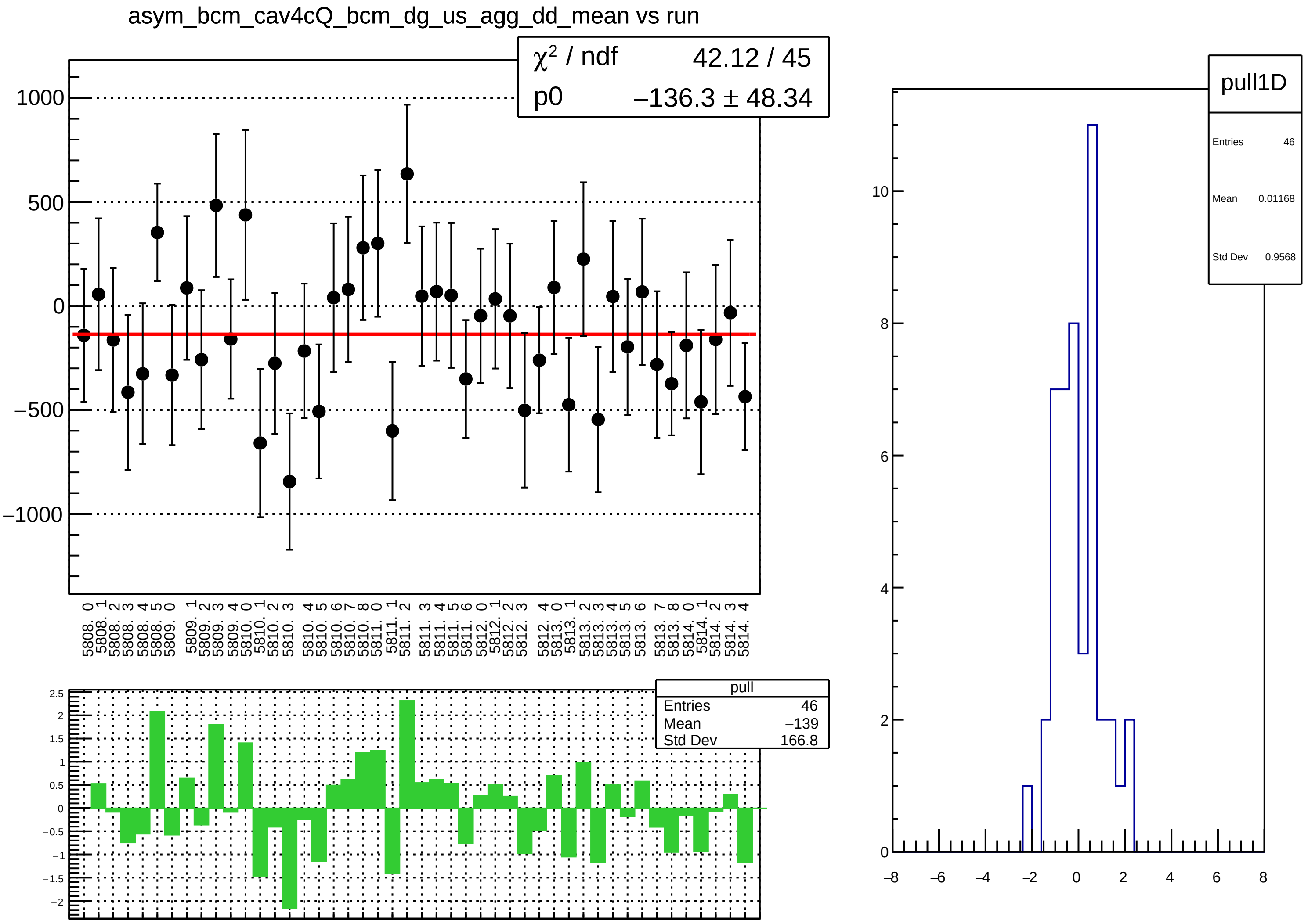
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 30.39 / 45
p0 −97.27 ± 39.06
pull
Entries 46
Mean −591.3
Std Dev 605.4
pull1D
Entries 46
Mean 0.002476
Std Dev 0.8129


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1860 / 45
p0 26.28 ± 0.02762
32
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

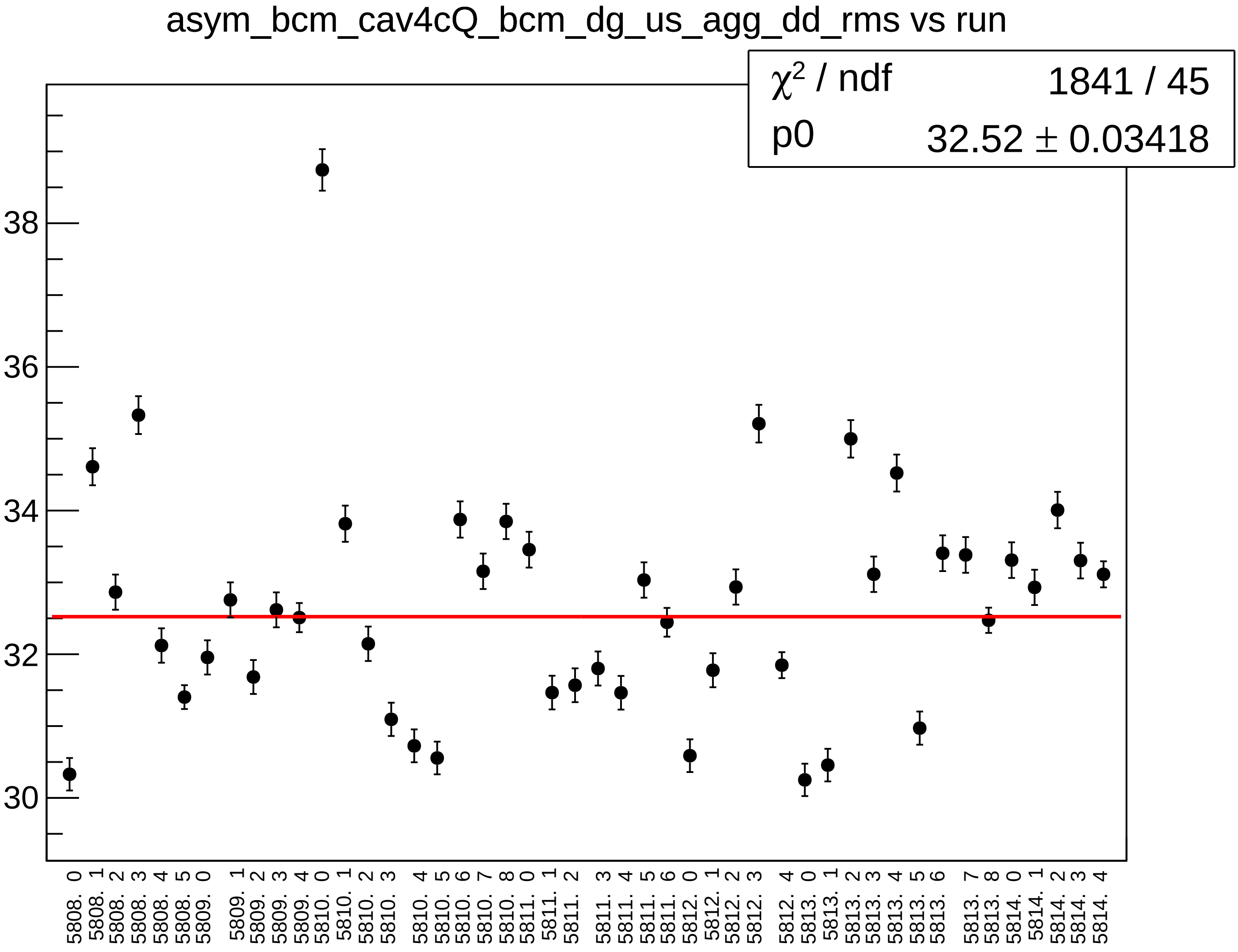


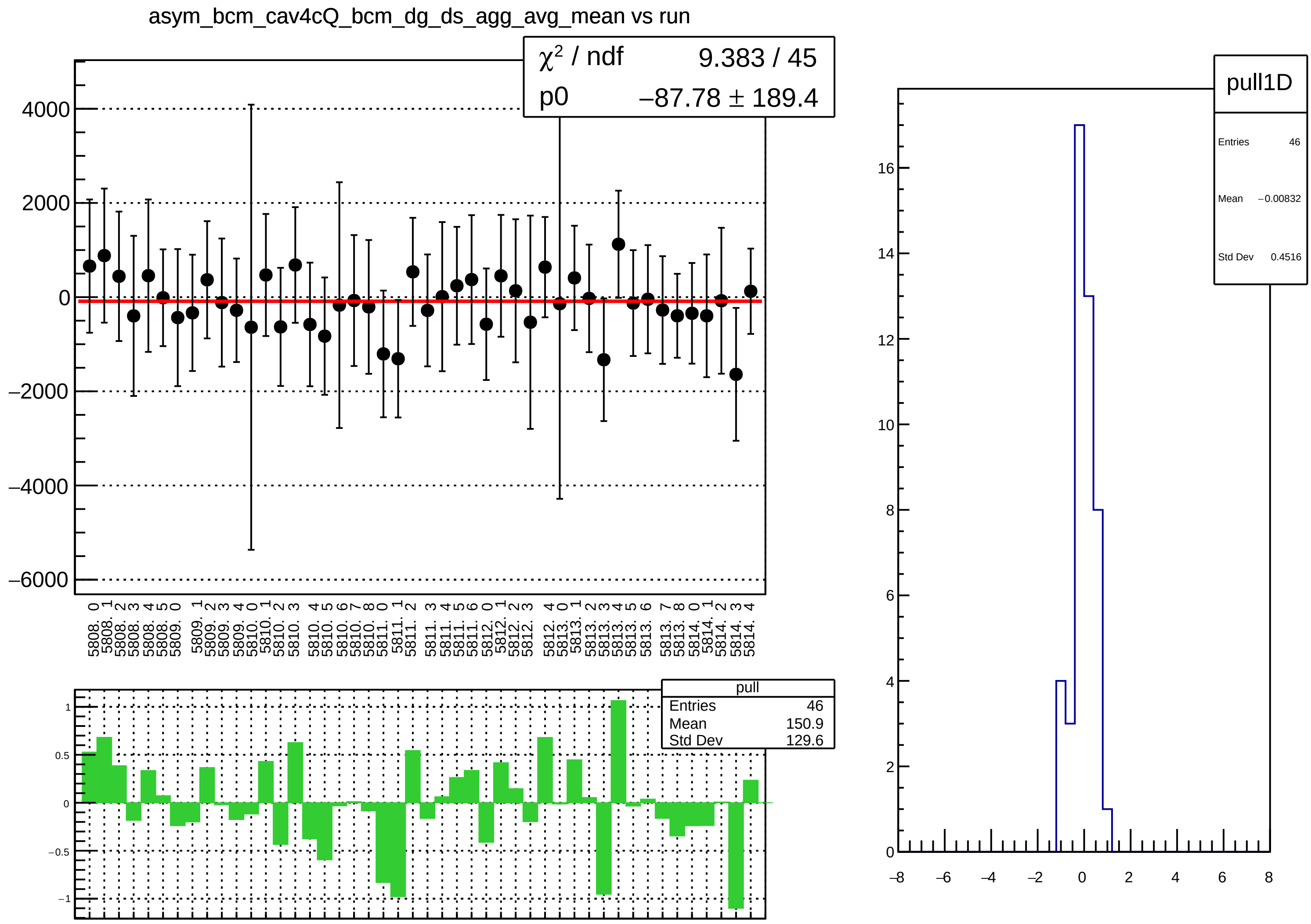
asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ^2 / ndf 8.527 / 45
p0 −109.5 ± 192.1
pull
Entries 46
Mean 180.9
Std Dev 163.7
pull1D
Entries 46
Mean −0.004979
Std Dev 0.4305


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 3.557e+04 / 45
p0 126.8 ± 0.1359
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

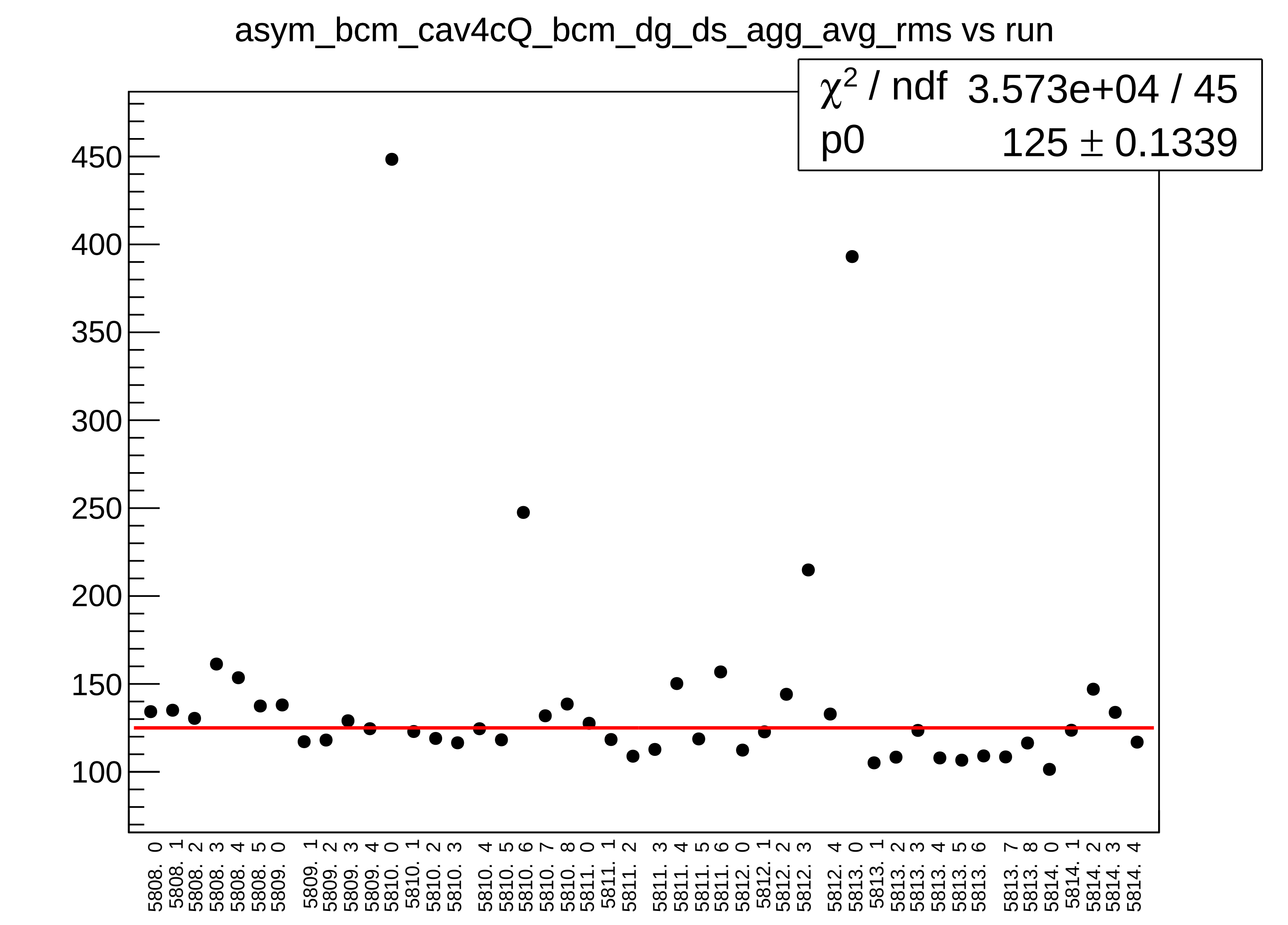


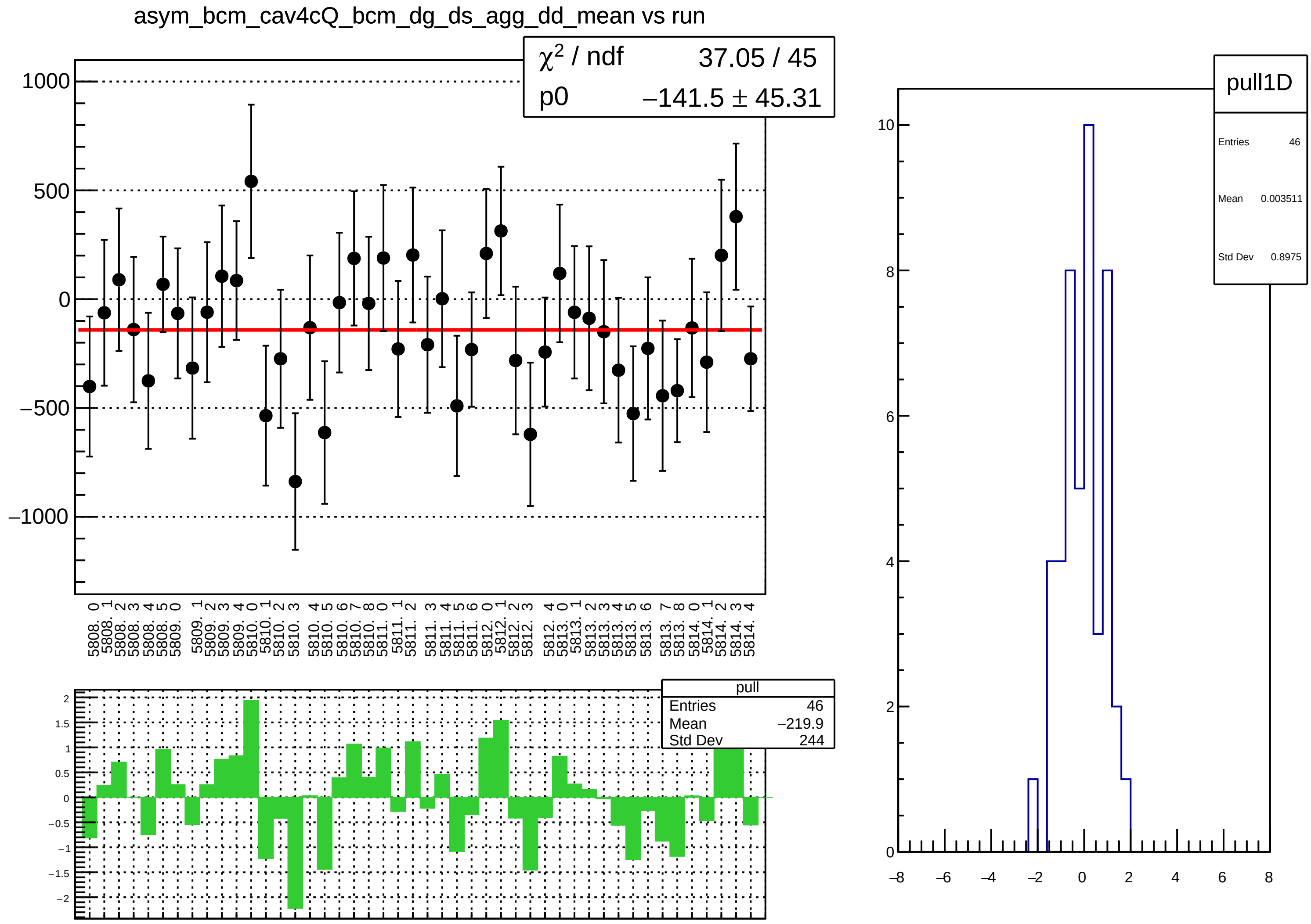
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 42.12 / 45
p0 −136.3 ± 48.34
pull
Entries 46
Mean −139
Std Dev 166.8
pull1D
Entries 46
Mean 0.01168
Std Dev 0.9568


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 1841 / 45
p0 32.52 ± 0.03418
38
36
34
32
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

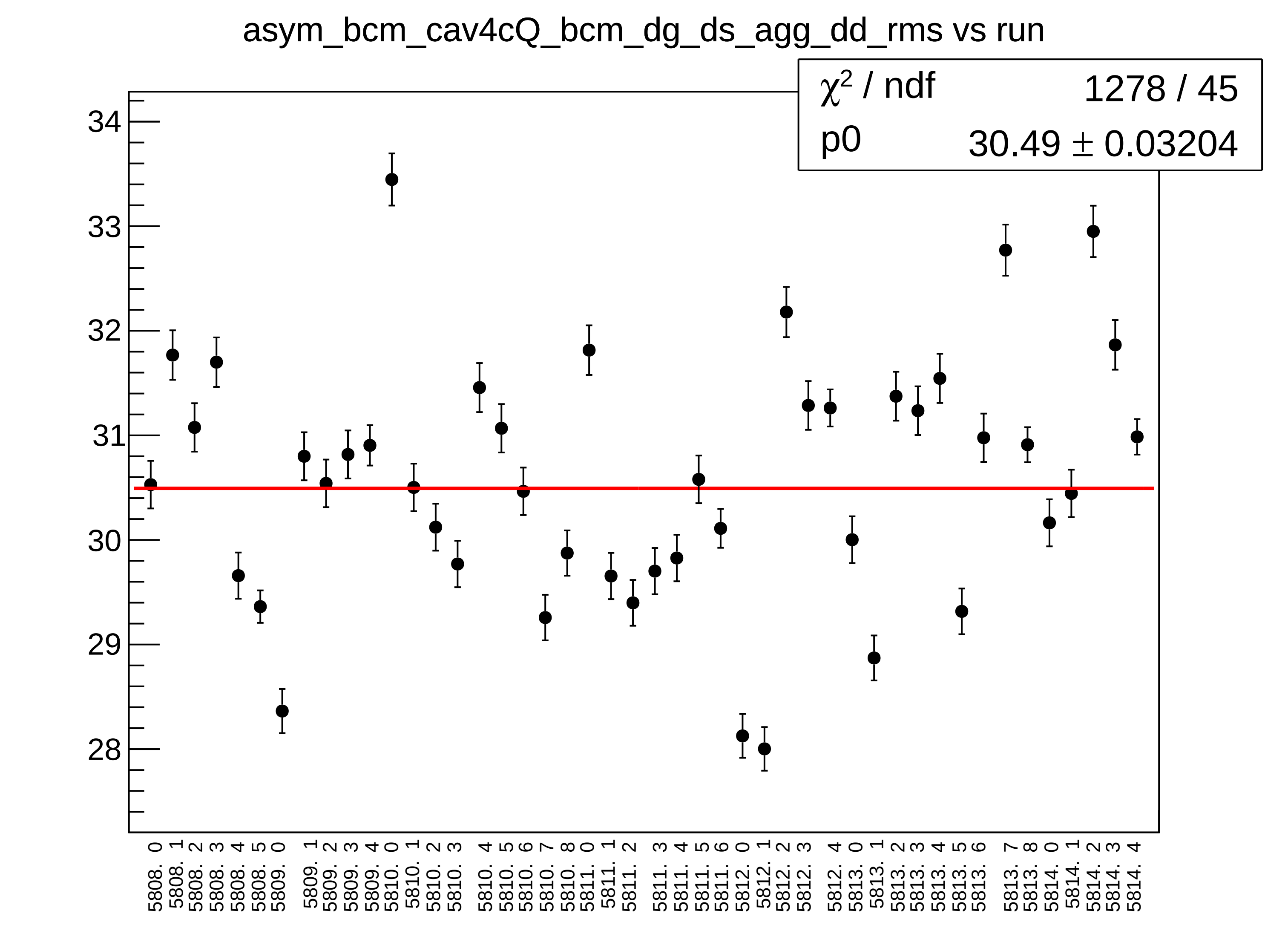


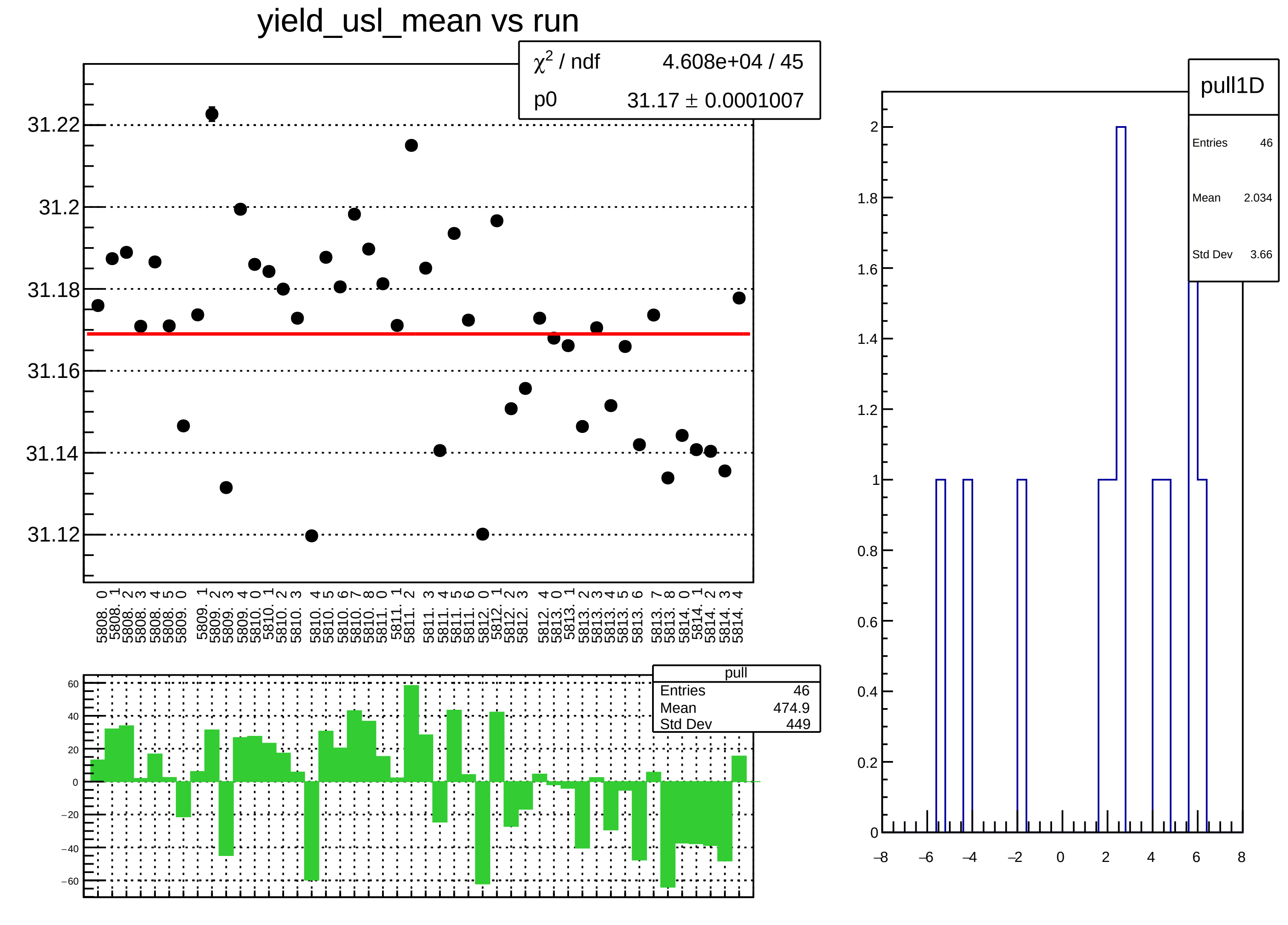
asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ^2 / ndf 9.383 / 45
p0 −87.78 ± 189.4
pull
Entries 46
Mean 150.9
Std Dev 129.6
pull1D
Entries 46
Mean −0.00832
Std Dev 0.4516


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 3.573e+04 / 45
p0 125 ± 0.1339
450
400
350
300
250
200
150
100

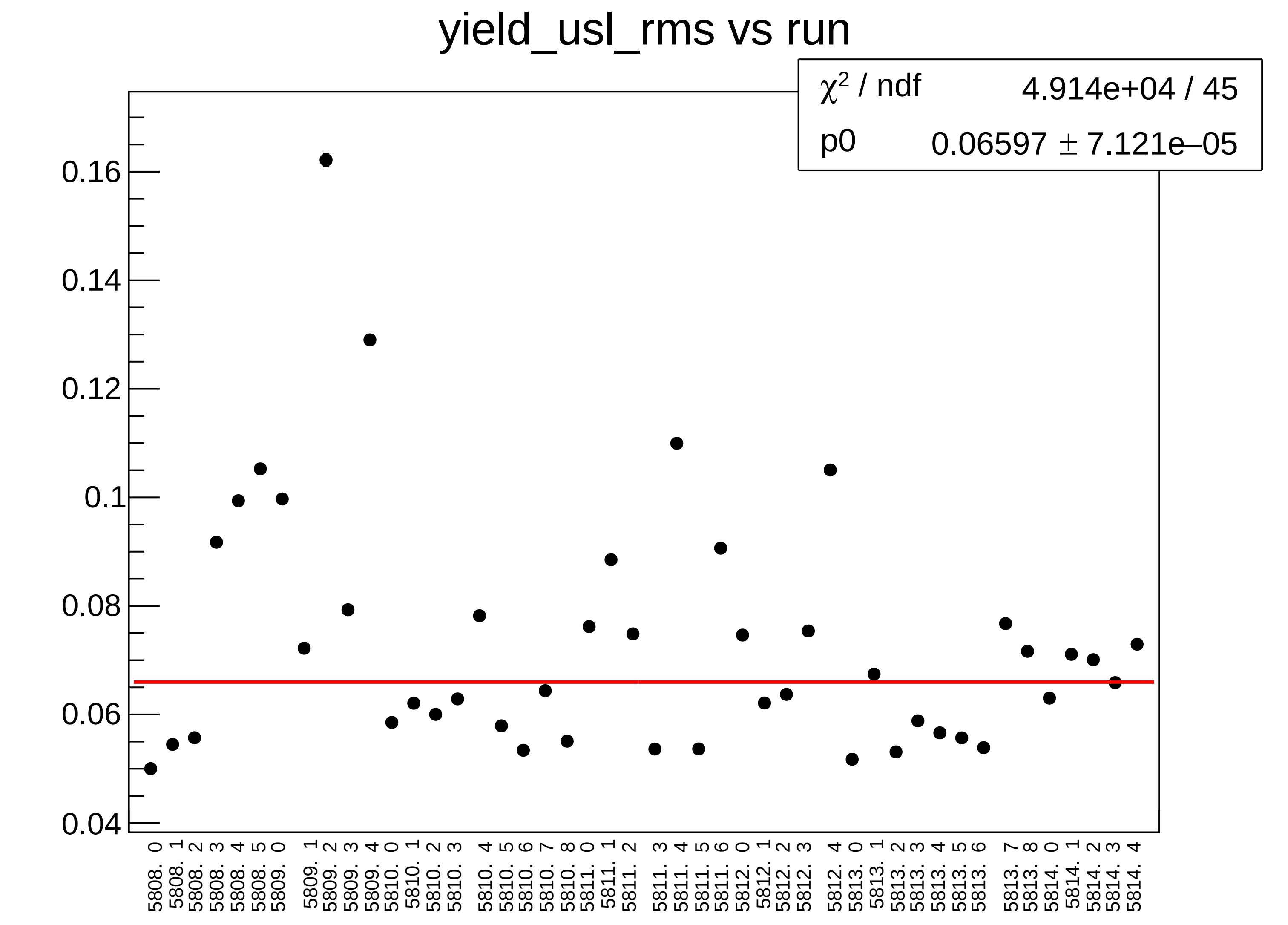


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 37.05 / 45
p0 −141.5 ± 45.31
pull1D
Entries 46
Mean 0.003511
Std Dev 0.8975
pull
Entries 46
Mean −219.9
Std Dev 244

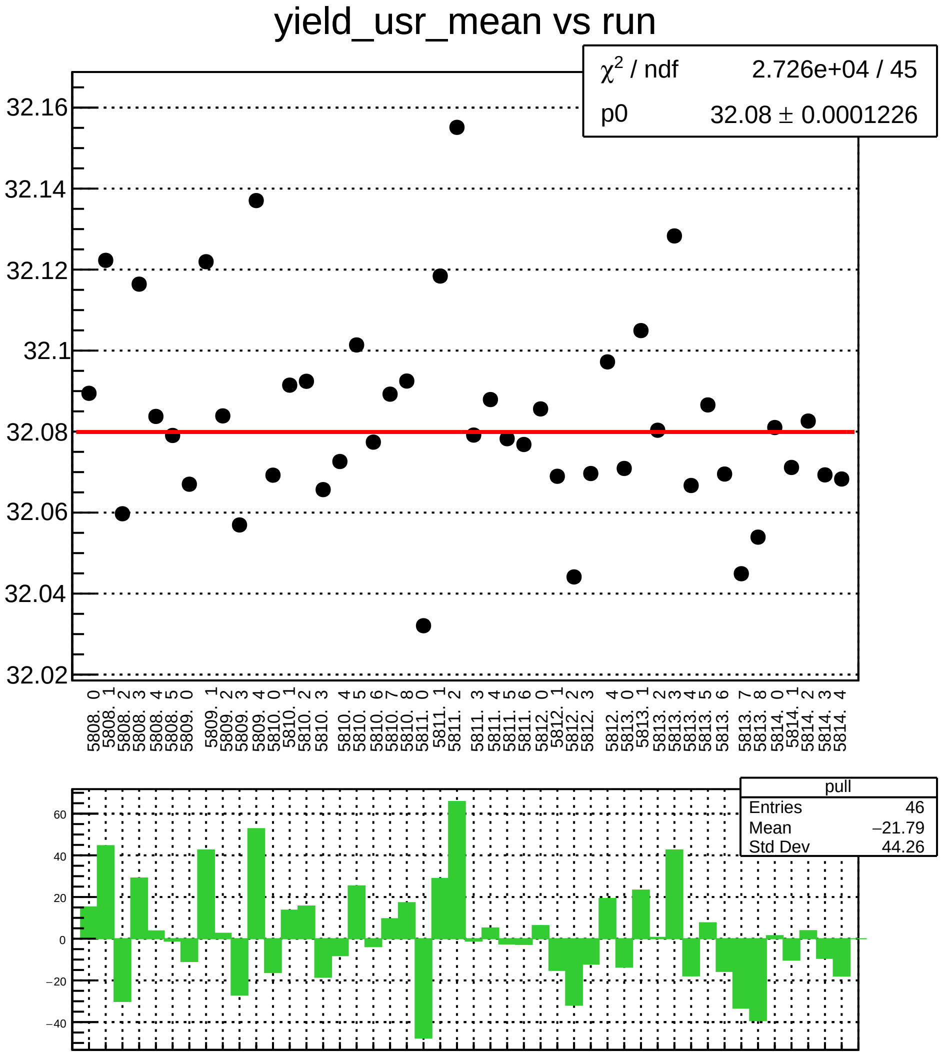

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 1278 / 45
p0 30.49 ± 0.03204

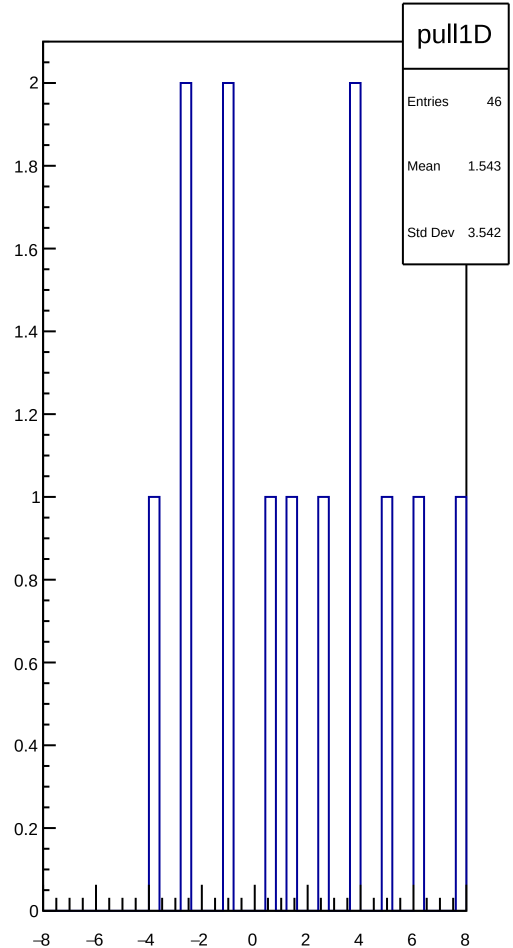


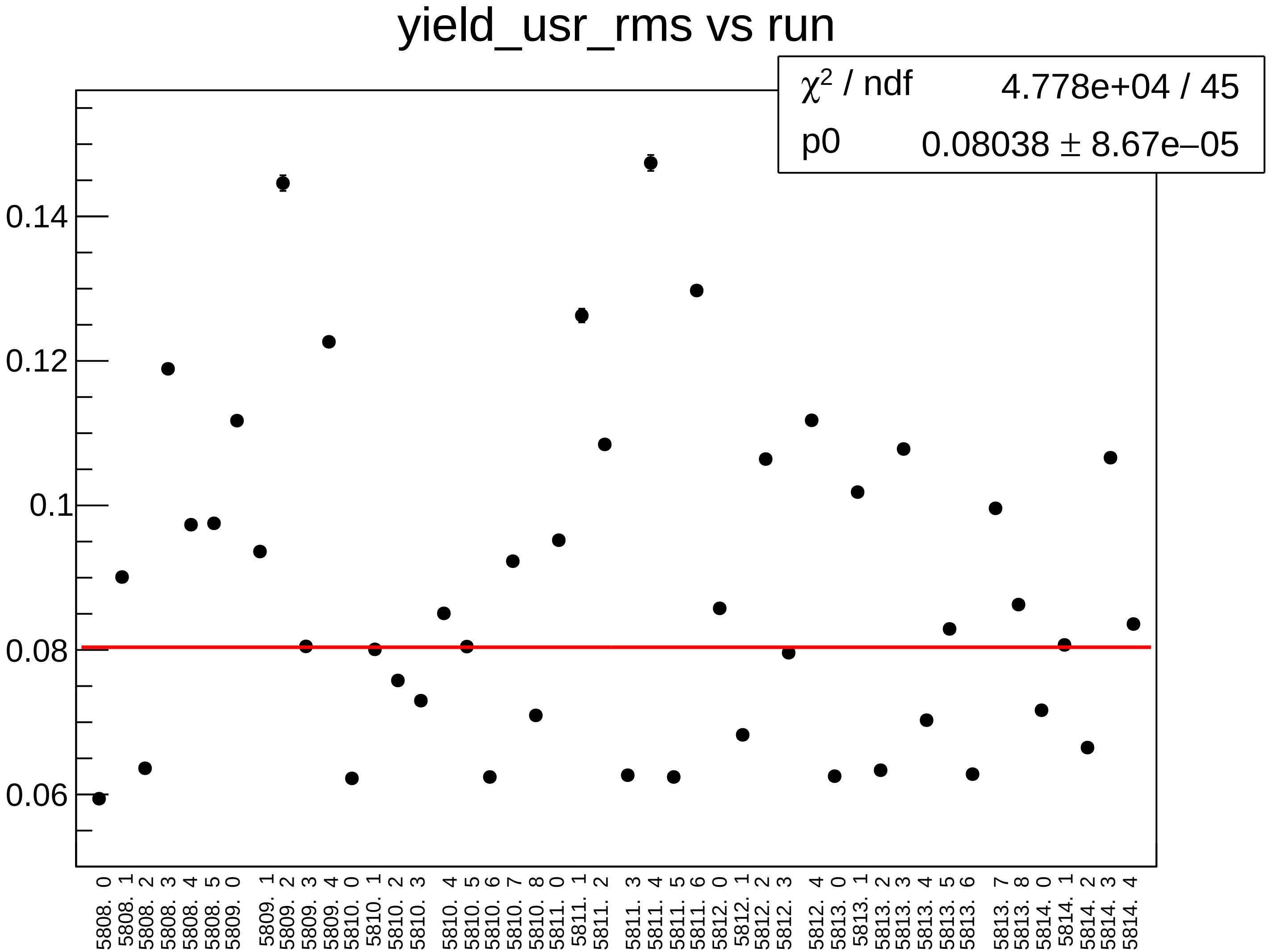
yield_usl_mean vs run
χ^2 / ndf 4.608e+04 / 45
p0 31.17 ± 0.0001007
31.22
31.2
31.18
31.16
31.14
31.12
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 474.9
Std Dev 449
60
40
20
0
−20
−40
−60
pull1D
Entries 46
Mean 2.034
Std Dev 3.66
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



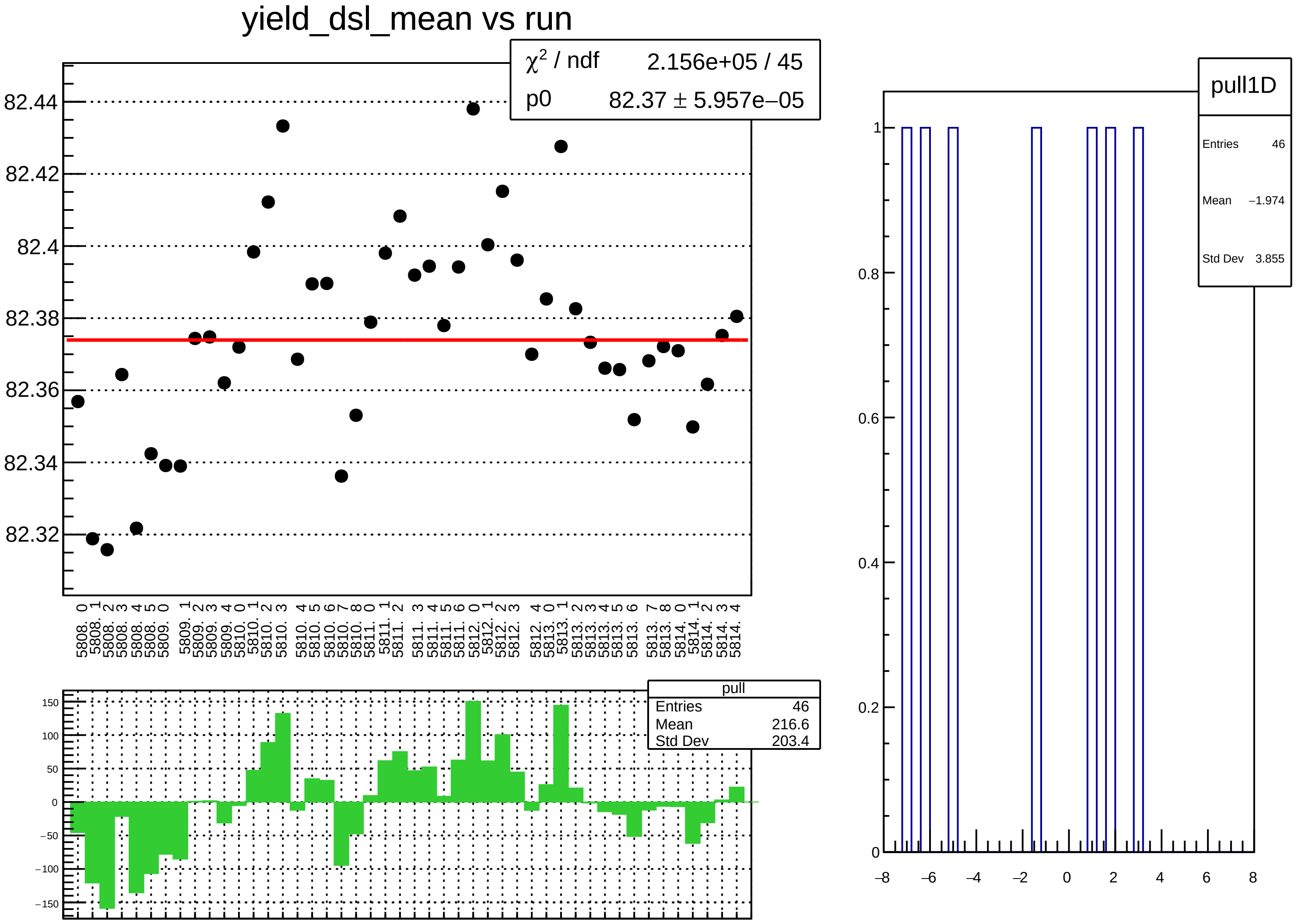
yield_usl_rms vs run
χ2 / ndf 4.914e+04 / 45
p0 0.06597 ± 7.121e−05
0.04
0.06
0.08
0.1
0.12
0.14
0.16
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


yield_usr_mean vs run
χ^2 / ndf 2.726e+04 / 45
p0 32.08 ± 0.0001226
pull
Entries 46
Mean −21.79
Std Dev 44.26

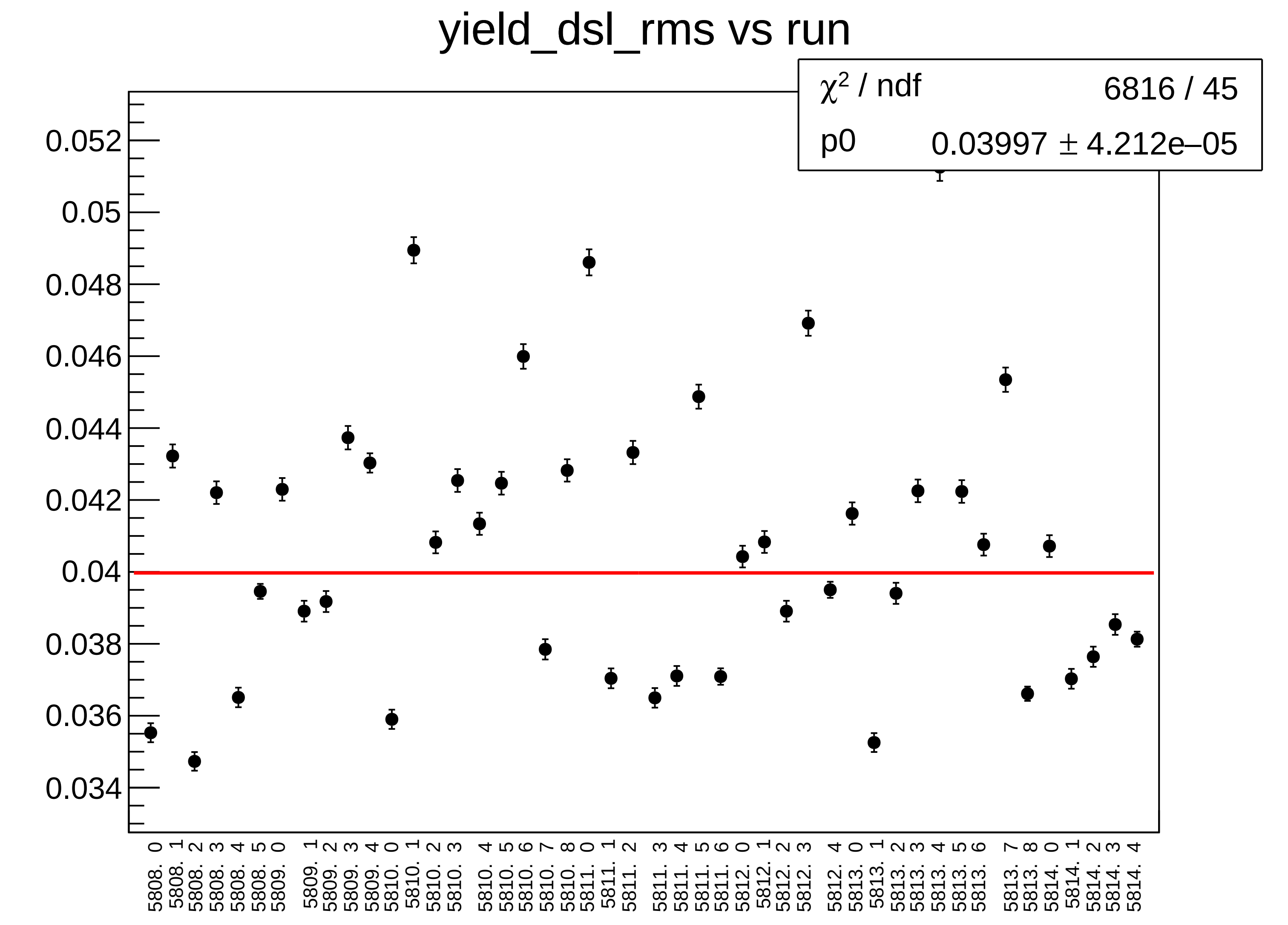

pull1D
Entries 46
Mean 1.543
Std Dev 3.542



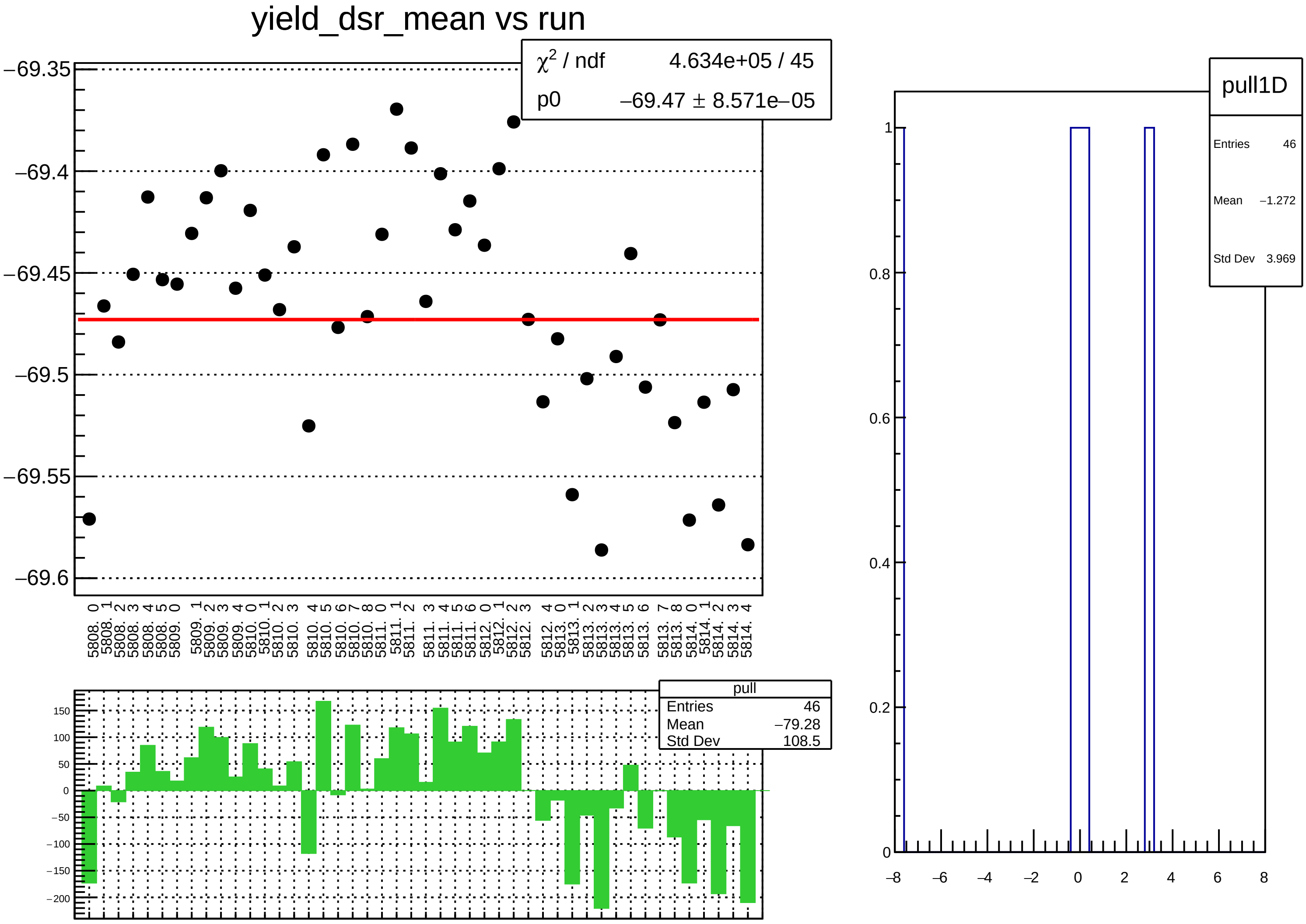
yield_usr_rms vs run
χ2 / ndf 4.778e+04 / 45
p0 0.08038 ± 8.67e−05
0.14
0.12
0.1
0.08
0.06



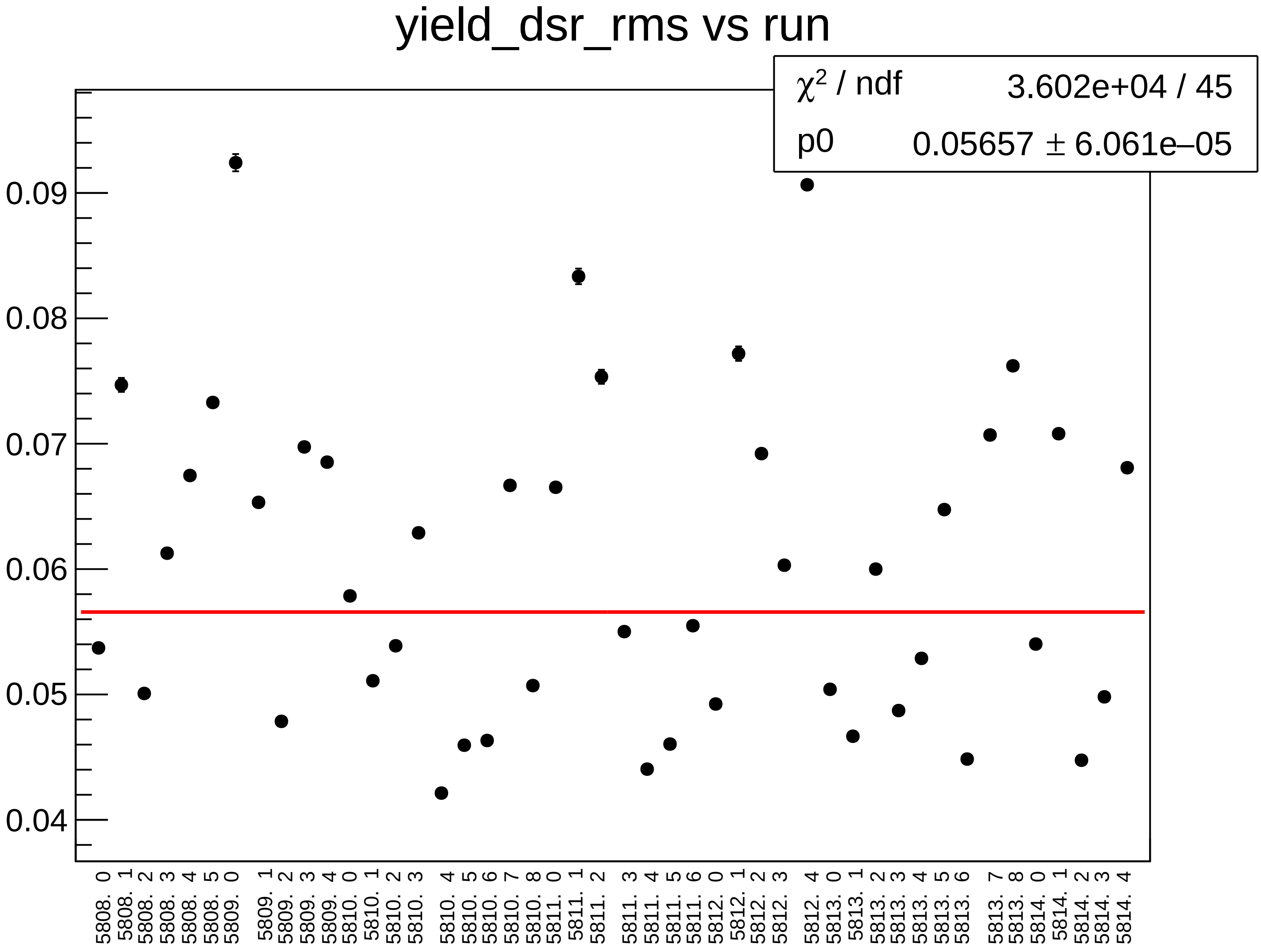
yield_dsl_mean vs run
χ^2 / ndf 2.156e+05 / 45
p0 82.37 ± 5.957e−05
pull
Entries 46
Mean 216.6
Std Dev 203.4
pull1D
Entries 46
Mean −1.974
Std Dev 3.855



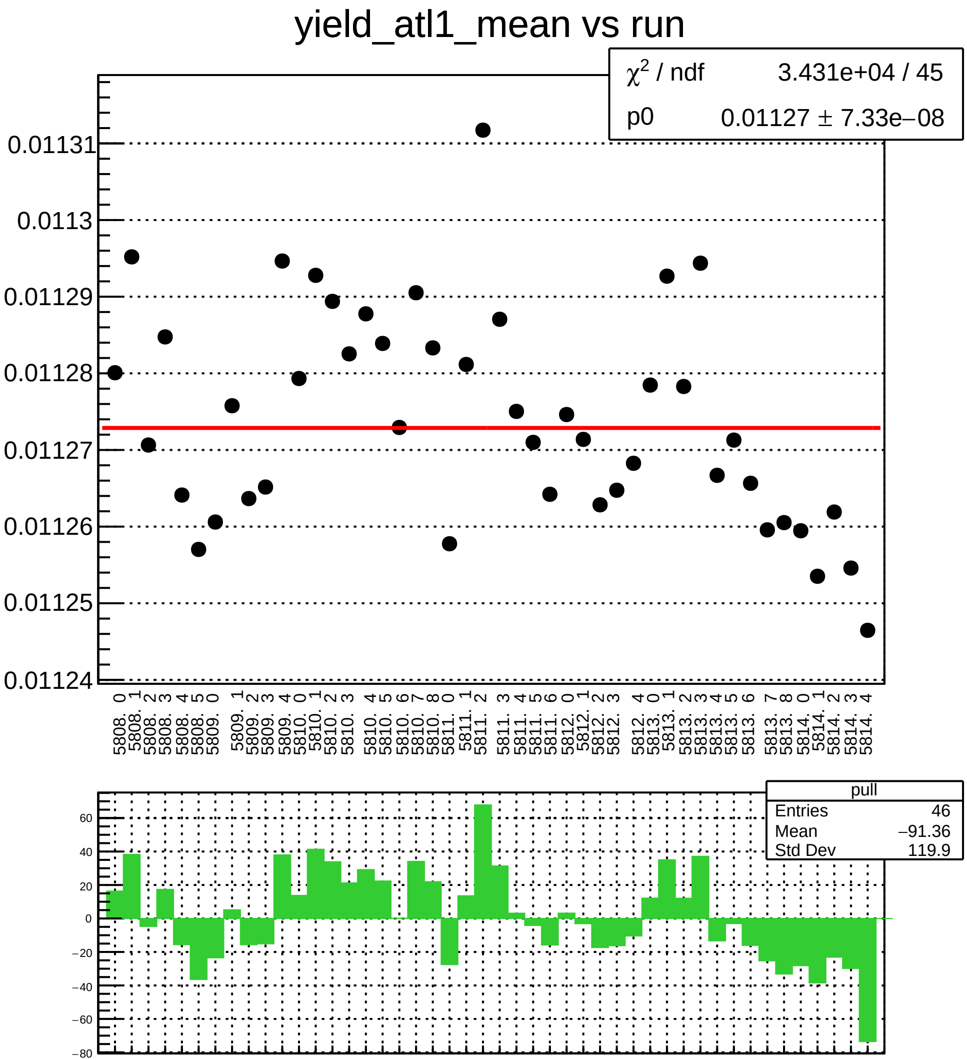
yield_dsl_rms vs run
χ² / ndf 6816 / 45
p0 0.03997 ± 4.212e−05
0.052
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034

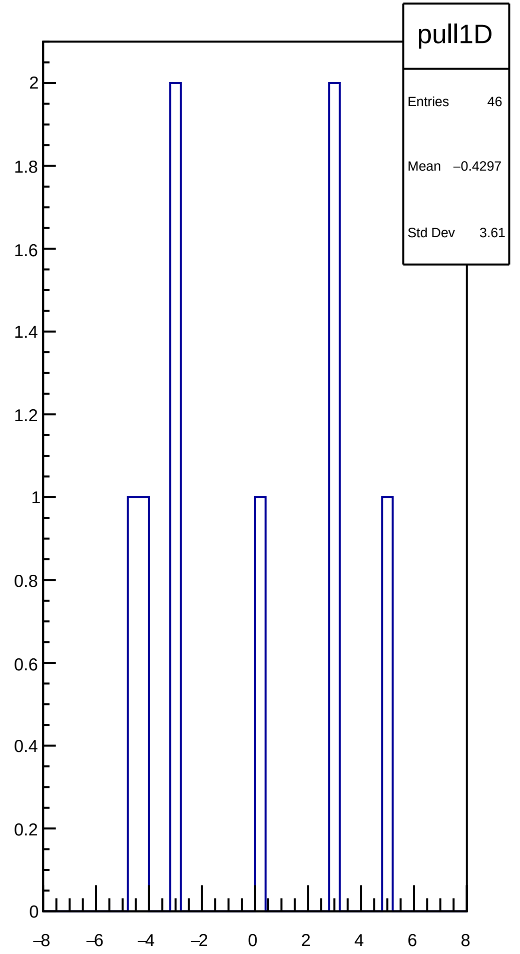


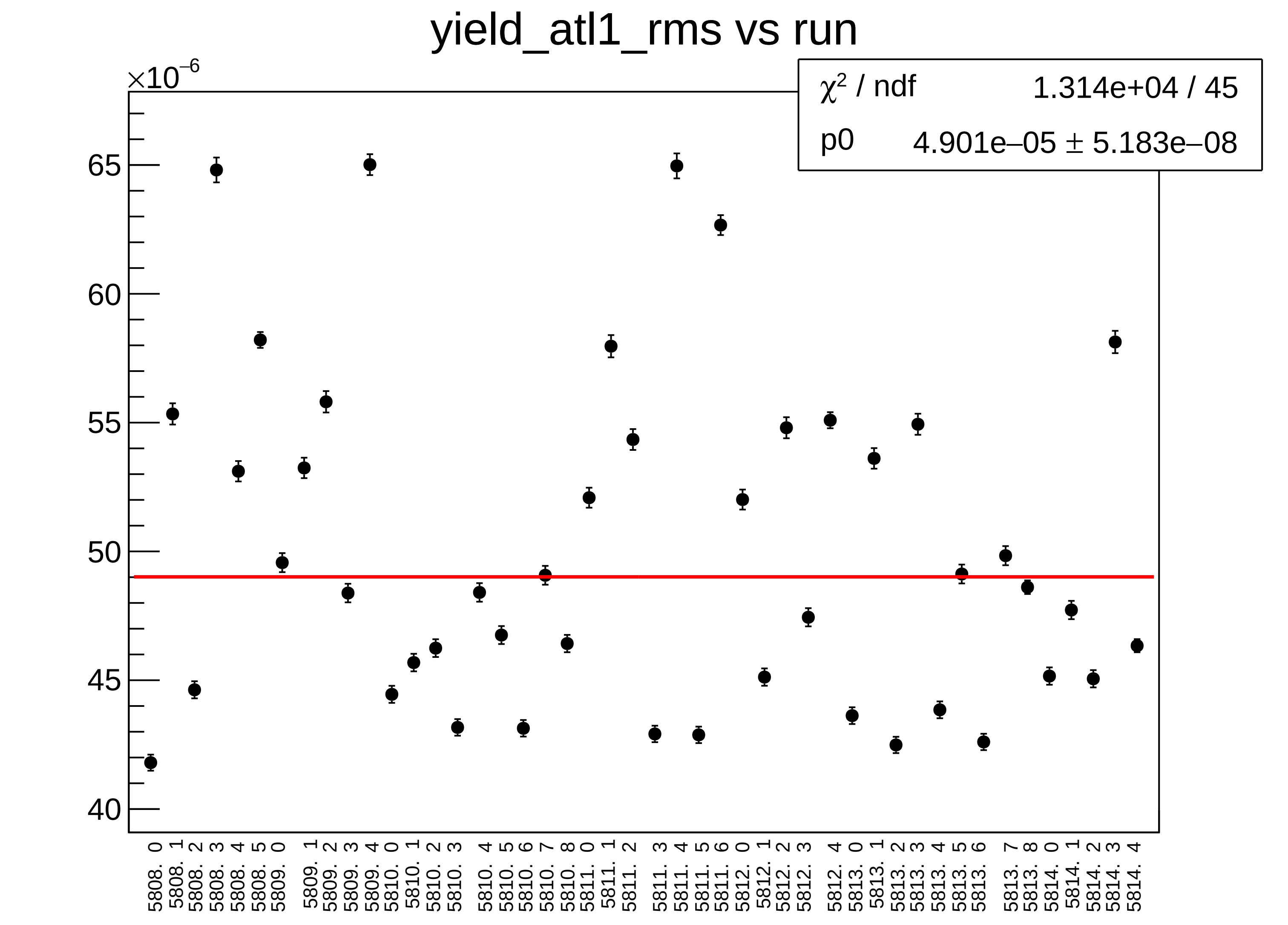
yield_dsr_mean vs run
χ2 / ndf 4.634e+05 / 45
p0 −69.47 ± 8.571e−05
pull
Entries 46
Mean −79.28
Std Dev 108.5
pull1D
Entries 46
Mean −1.272
Std Dev 3.969



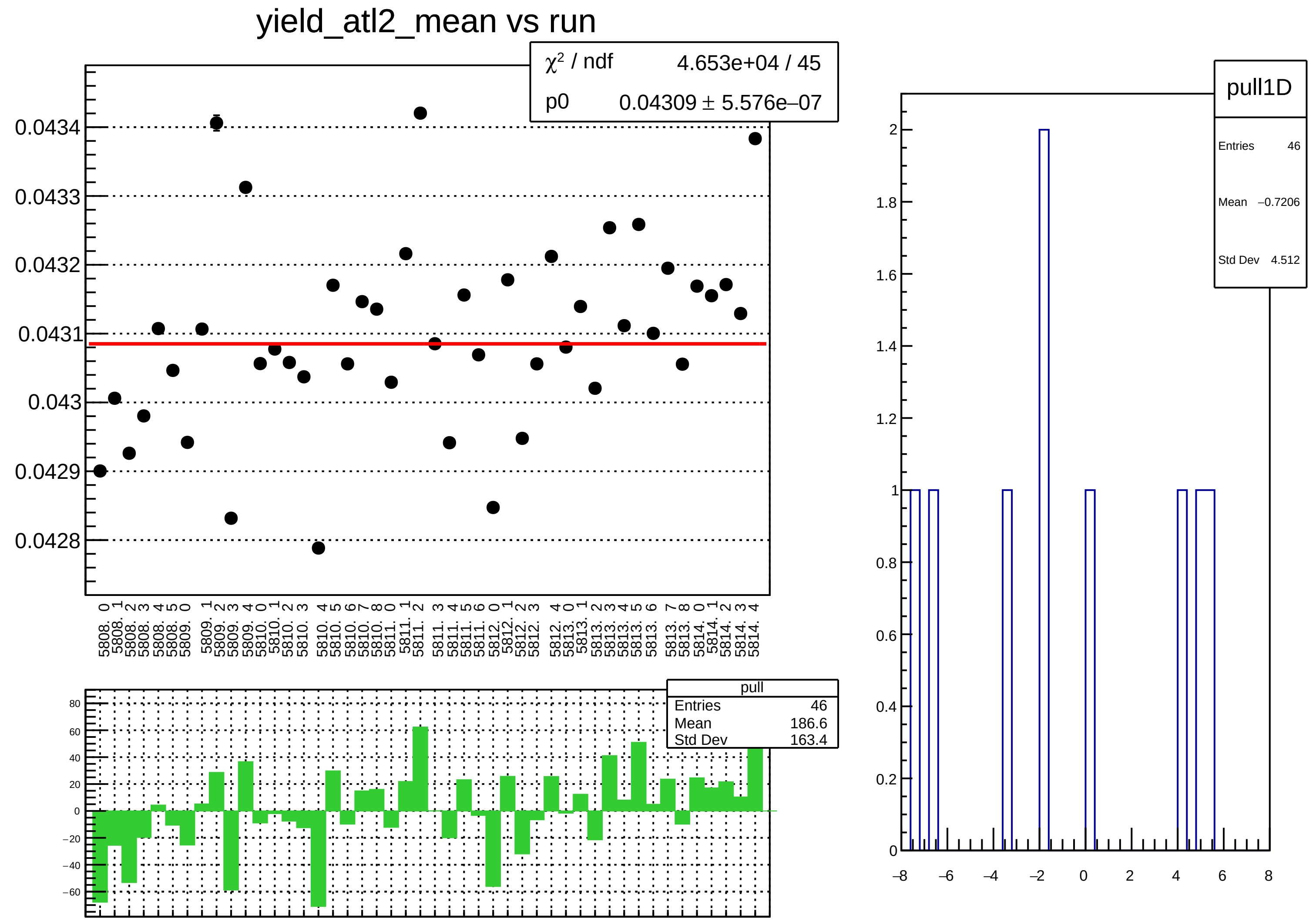
yield_dsr_rms vs run
χ^2 / ndf 3.602e+04 / 45
p0 0.05657 ± 6.061e−05
0.09
0.08
0.07
0.06
0.05
0.04


yield_atl1_mean vs run
χ^2 / ndf 3.431e+04 / 45
p0 0.01127 ± 7.33e−08
pull
Entries 46
Mean −91.36
Std Dev 119.9

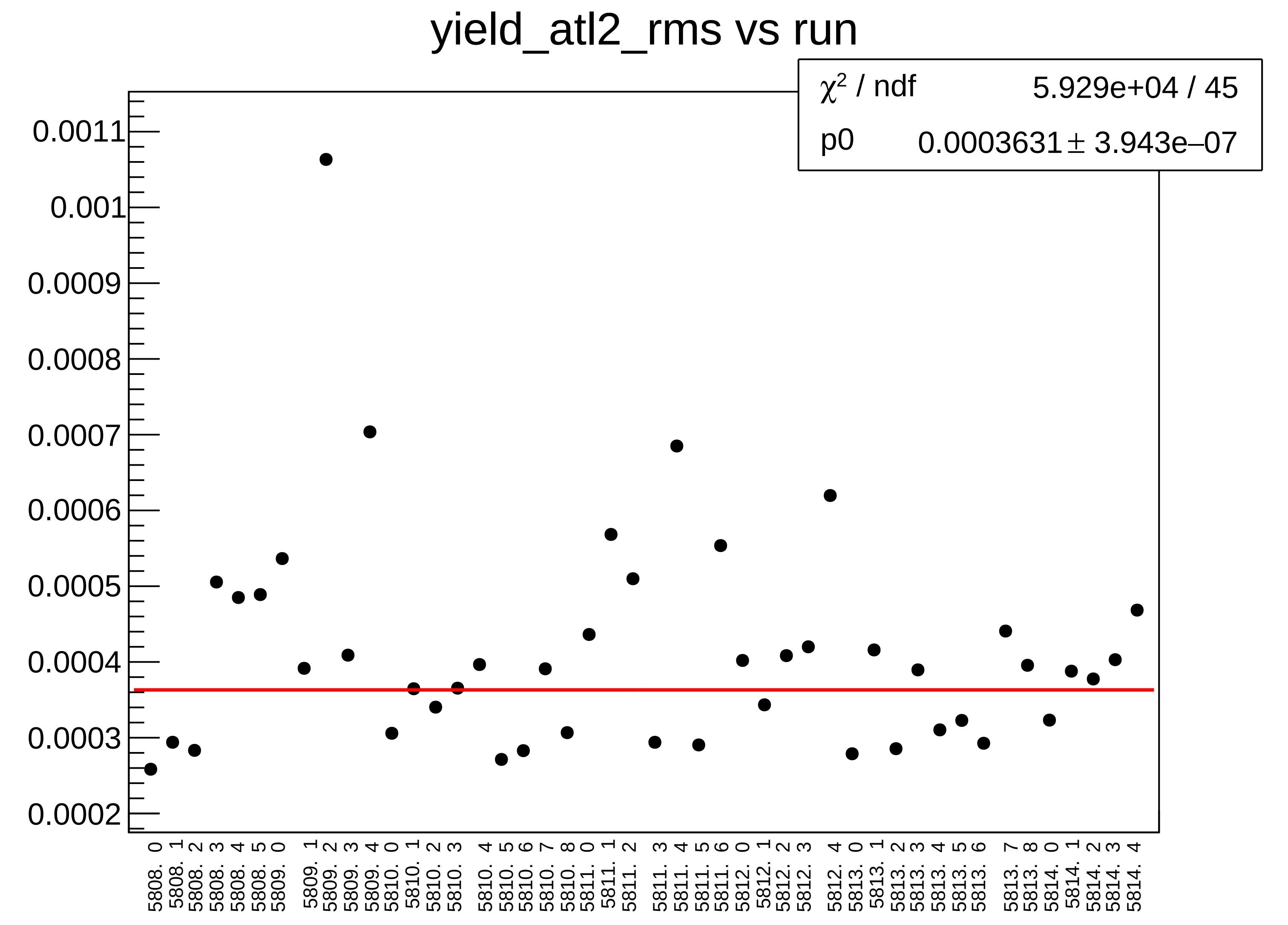

pull1D
Entries 46
Mean −0.4297
Std Dev 3.61

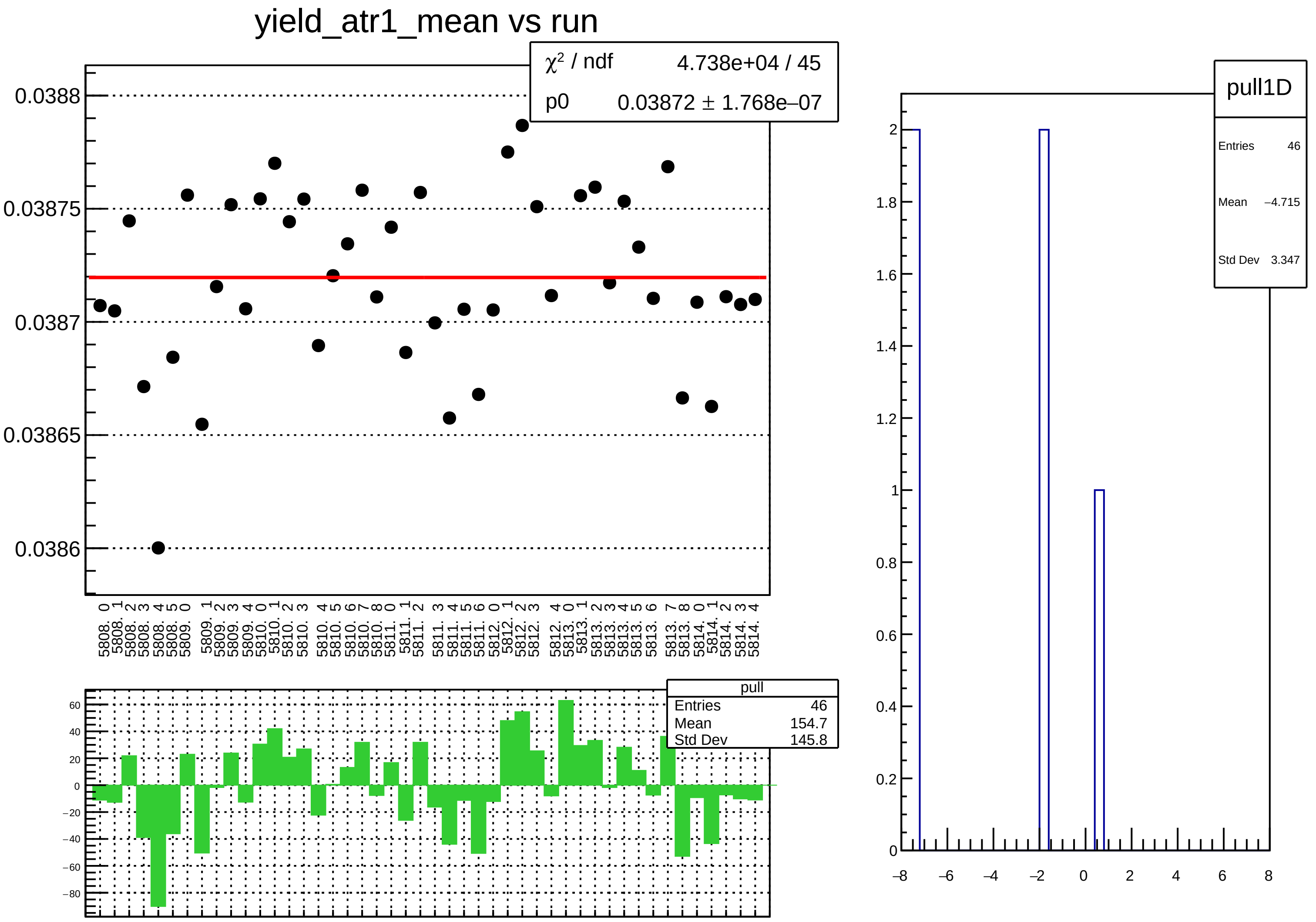


yield_atl1_rms vs run
×10⁻⁶
χ² / ndf 1.314e+04 / 45
p0 4.901e−05 ± 5.183e−08
65
60
55
50
45
40

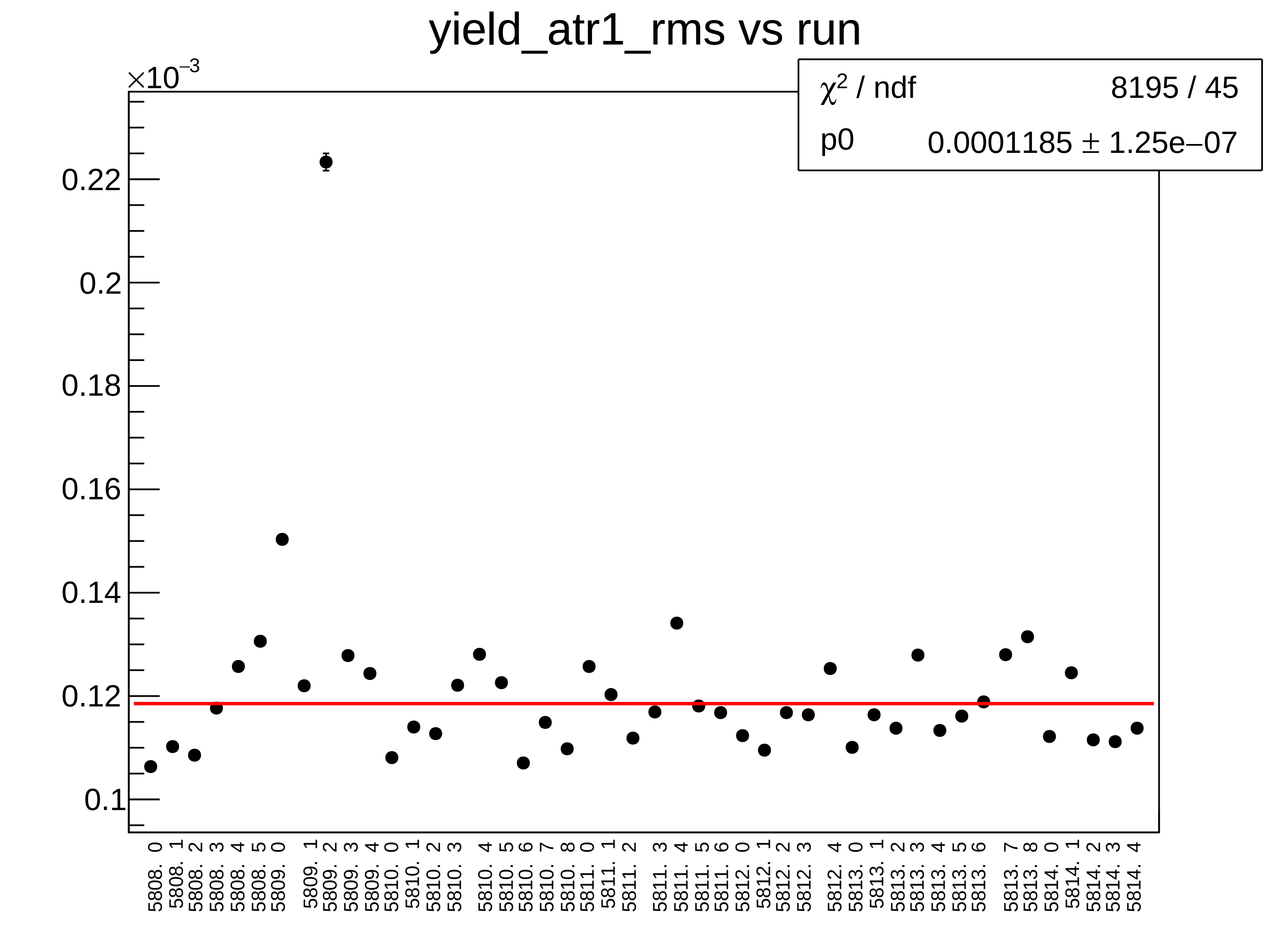


yield_atl2_mean vs run
χ2 / ndf 4.653e+04 / 45
p0 0.04309 ± 5.576e−07
pull
Entries 46
Mean 186.6
Std Dev 163.4
pull1D
Entries 46
Mean −0.7206
Std Dev 4.512

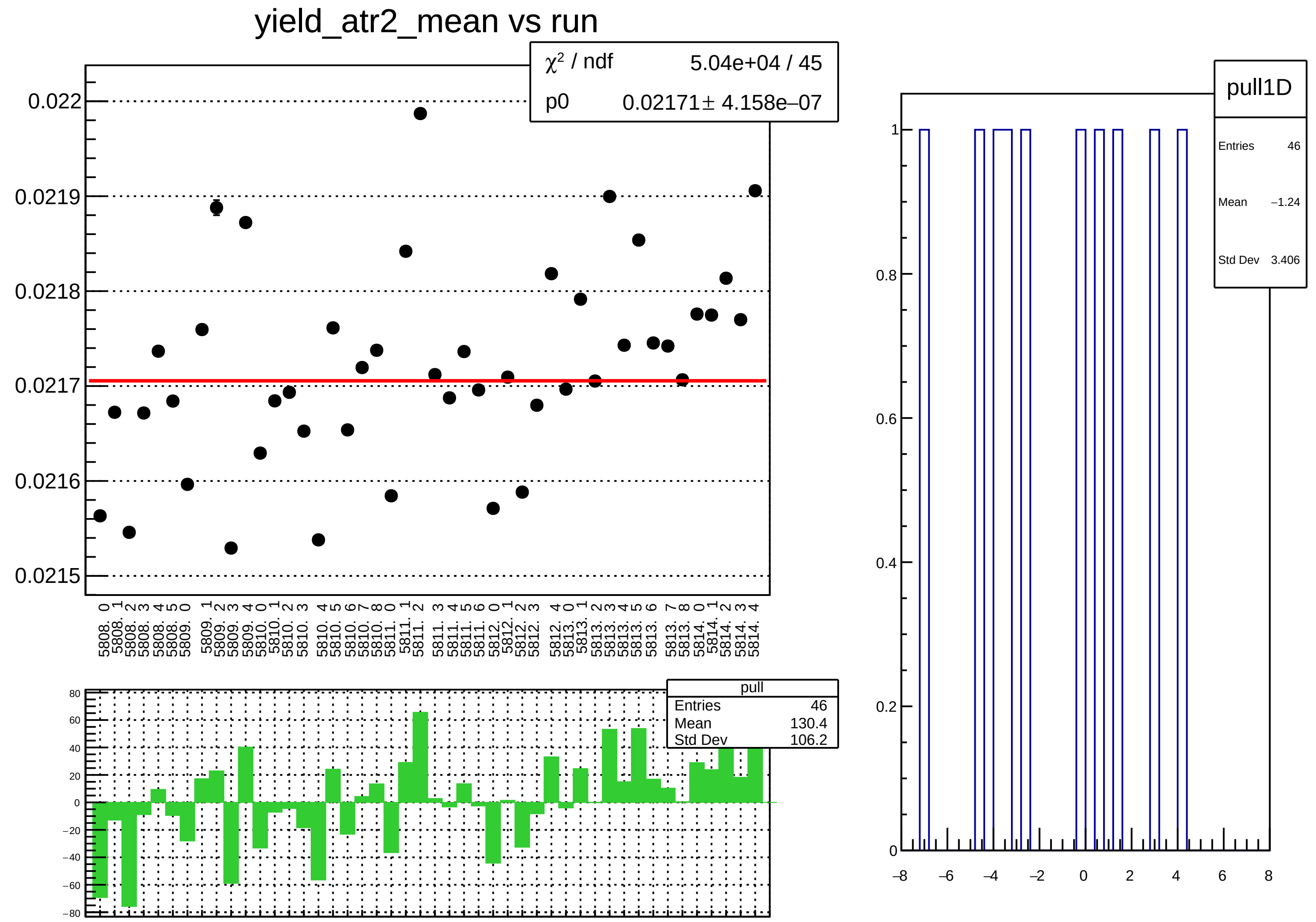

yield_atl2_rms vs run
χ^2 / ndf 5.929e+04 / 45
p0 0.0003631 ± 3.943e–07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



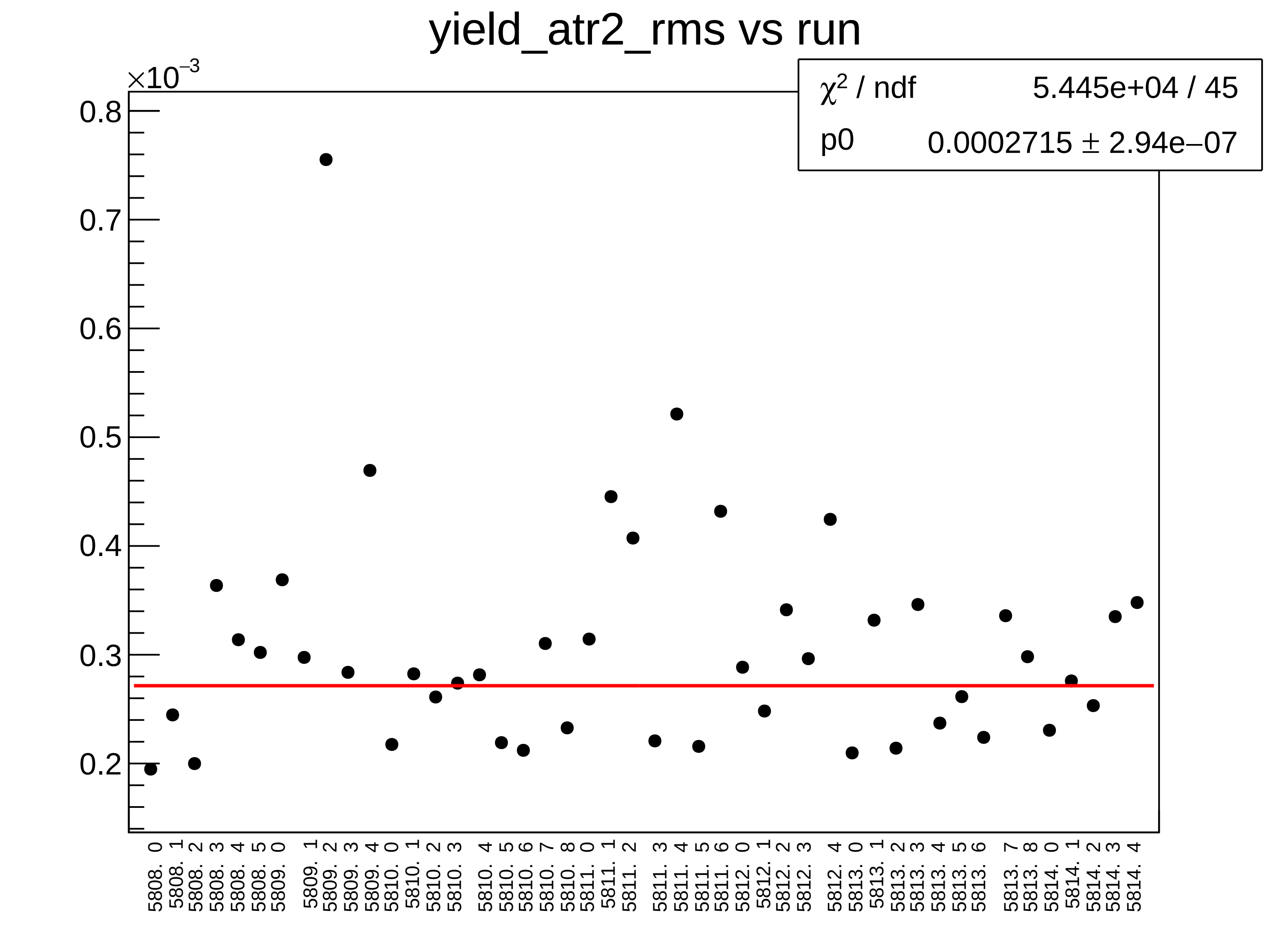
yield_atr1_mean vs run
χ2 / ndf 4.738e+04 / 45
p0 0.03872 ± 1.768e−07
pull
Entries 46
Mean 154.7
Std Dev 145.8
pull1D
Entries 46
Mean −4.715
Std Dev 3.347



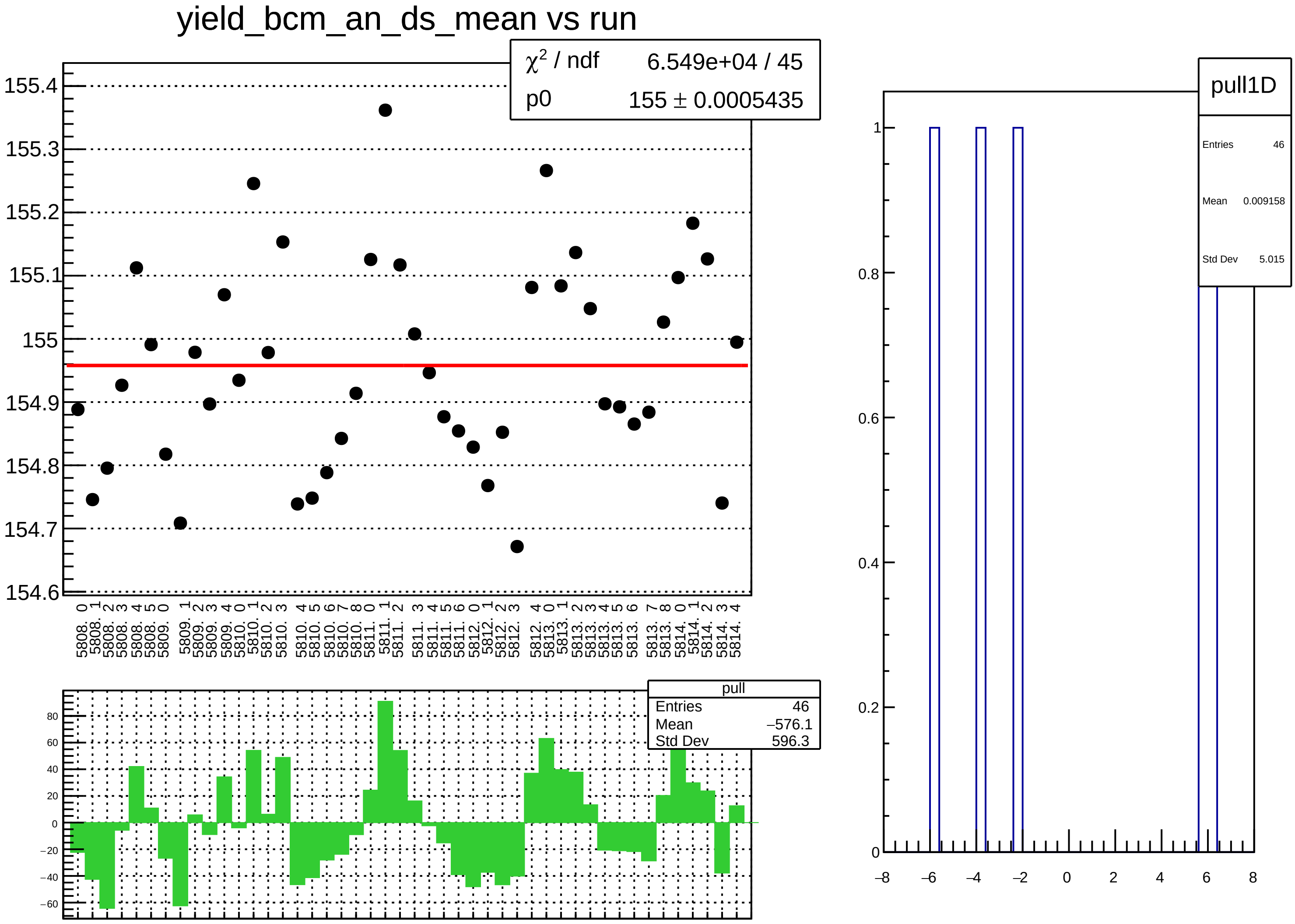
yield_atr1_rms vs run
$\times10^{-3}$
χ^2 / ndf 8195 / 45
p0 0.0001185 ± 1.25e−07
0.1
0.12
0.14
0.16
0.18
0.2
0.22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



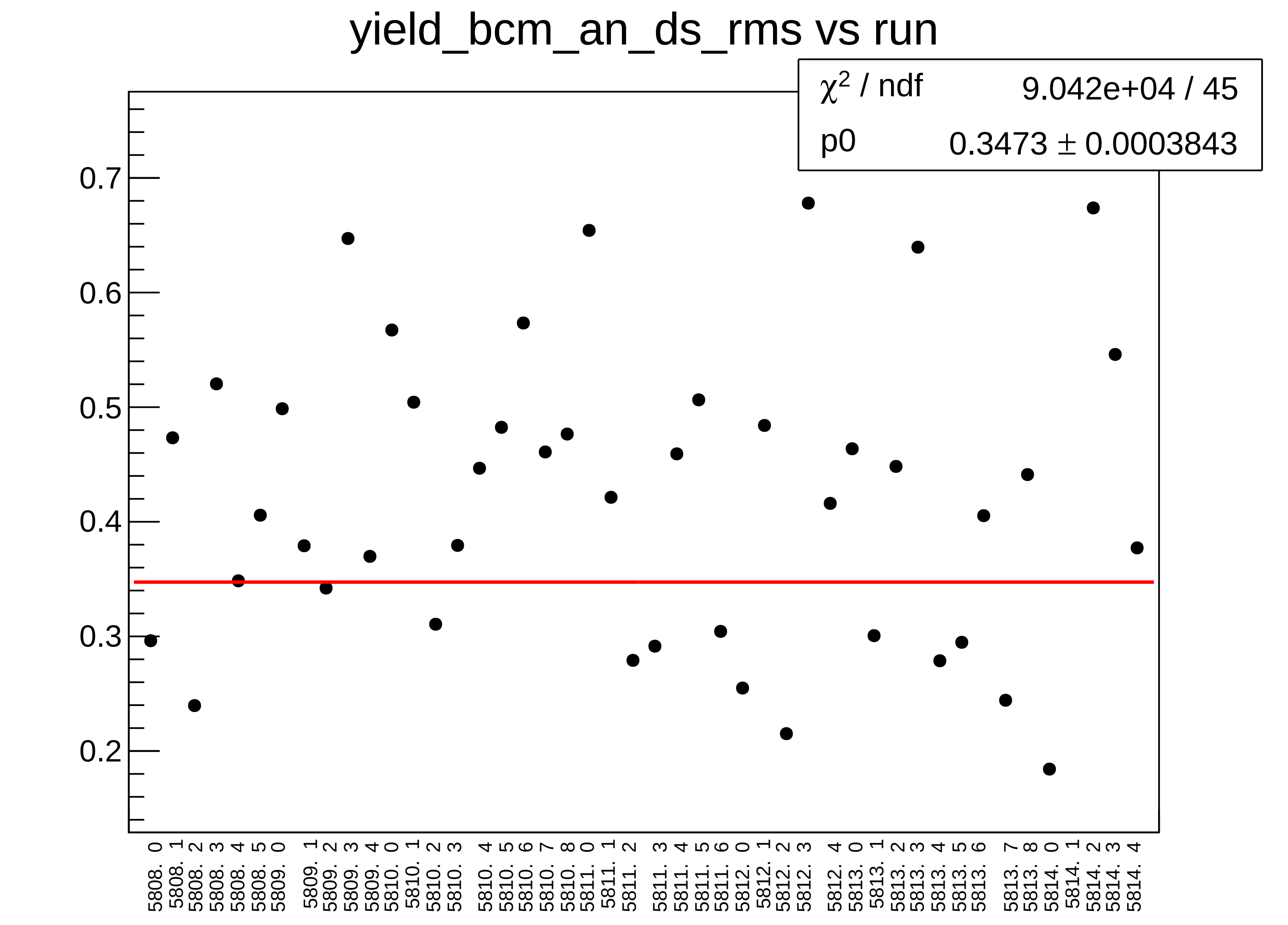
yield_atr2_mean vs run
χ2 / ndf 5.04e+04 / 45
p0 0.02171± 4.158e−07
pull
Entries 46
Mean 130.4
Std Dev 106.2
pull1D
Entries 46
Mean −1.24
Std Dev 3.406



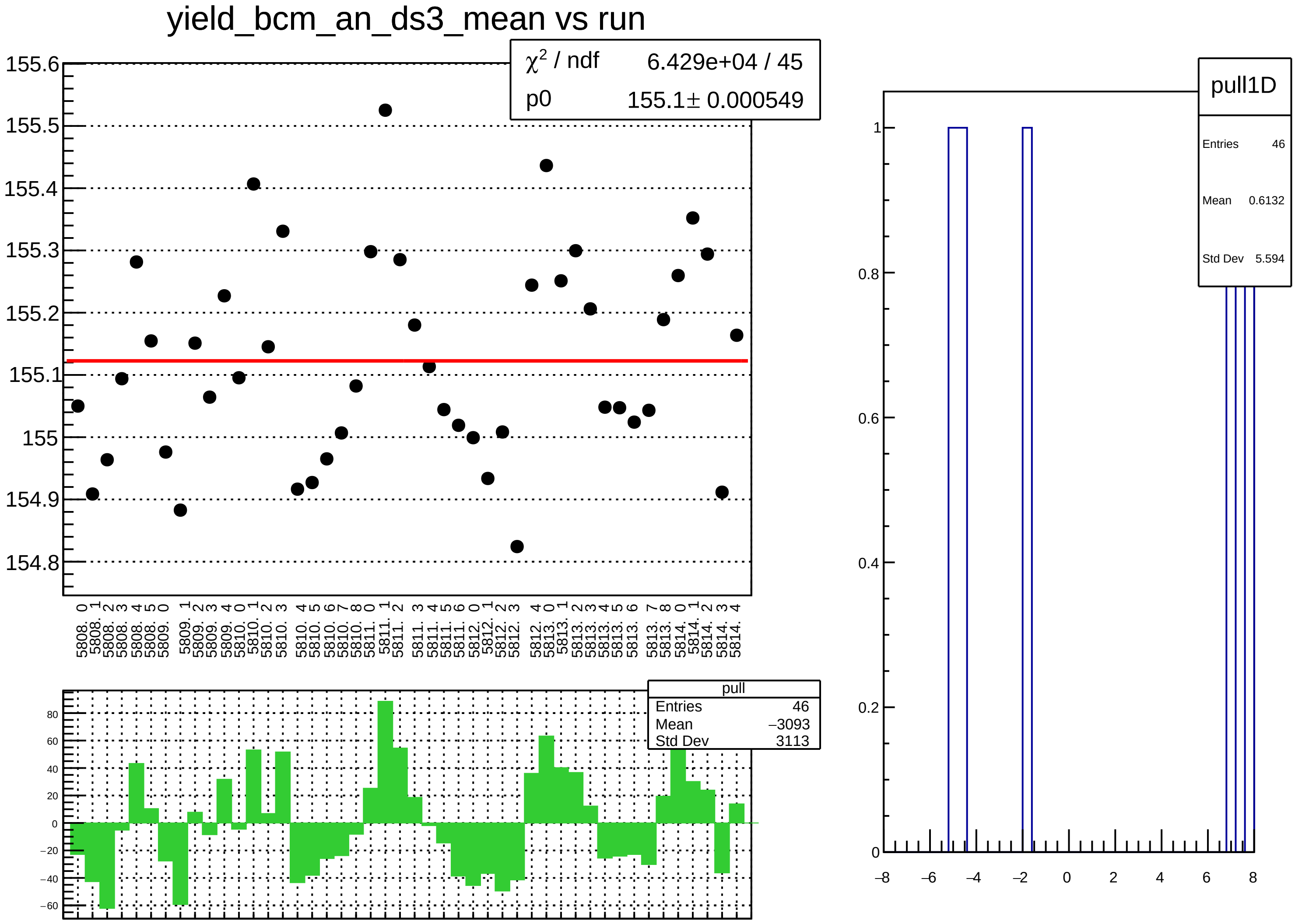
yield_atr2_rms vs run
$\times 10^{-3}$
χ^2 / ndf 5.445e+04 / 45
p0 0.0002715 ± 2.94e−07
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



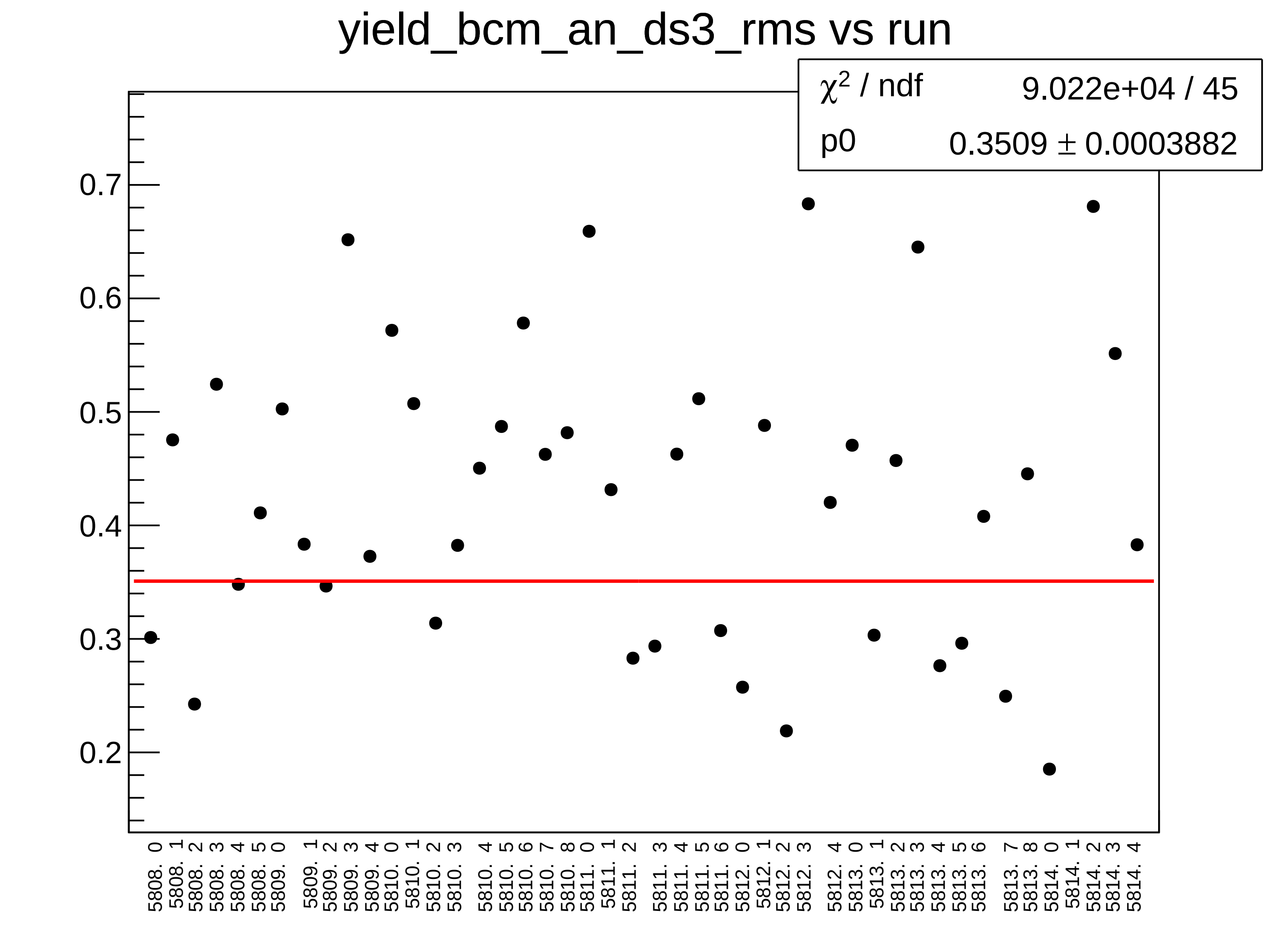
yield_bcm_an_ds_mean vs run
χ² / ndf 6.549e+04 / 45
p0 155 ± 0.0005435
pull
Entries 46
Mean −576.1
Std Dev 596.3
pull1D
Entries 46
Mean 0.009158
Std Dev 5.015



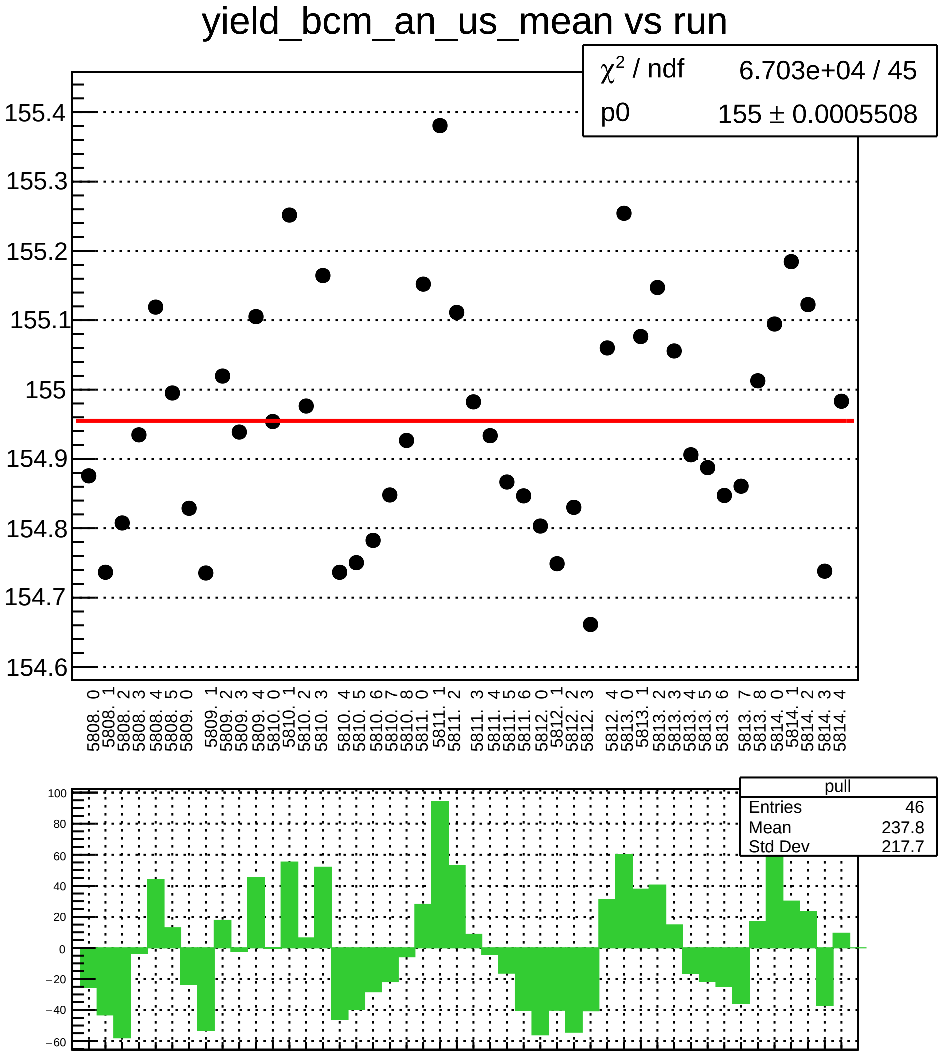
yield_bcm_an_ds_rms vs run
χ² / ndf 9.042e+04 / 45
p0 0.3473 ± 0.0003843
0.2
0.3
0.4
0.5
0.6
0.7



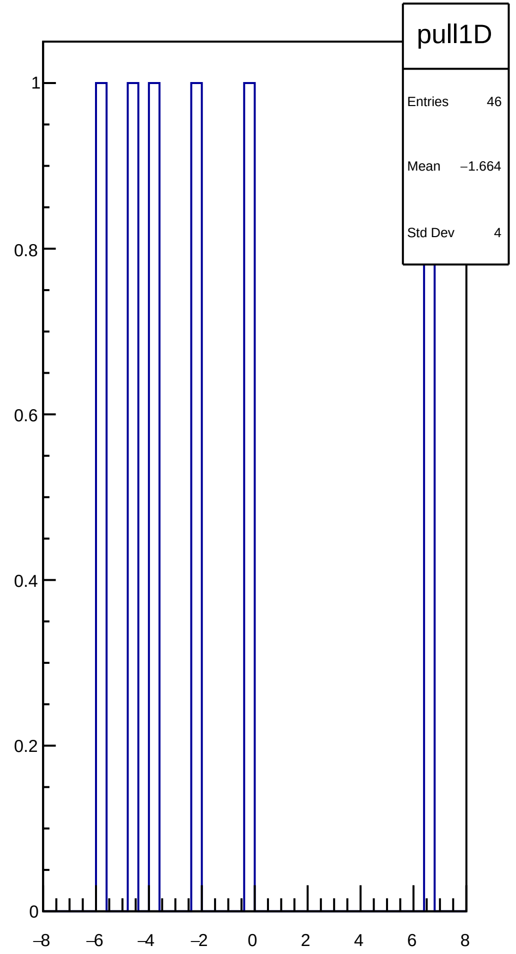
yield_bcm_an_ds3_mean vs run
χ^2 / ndf 6.429e+04 / 45
p0 155.1± 0.000549
pull
Entries 46
Mean −3093
Std Dev 3113
pull1D
Entries 46
Mean 0.6132
Std Dev 5.594



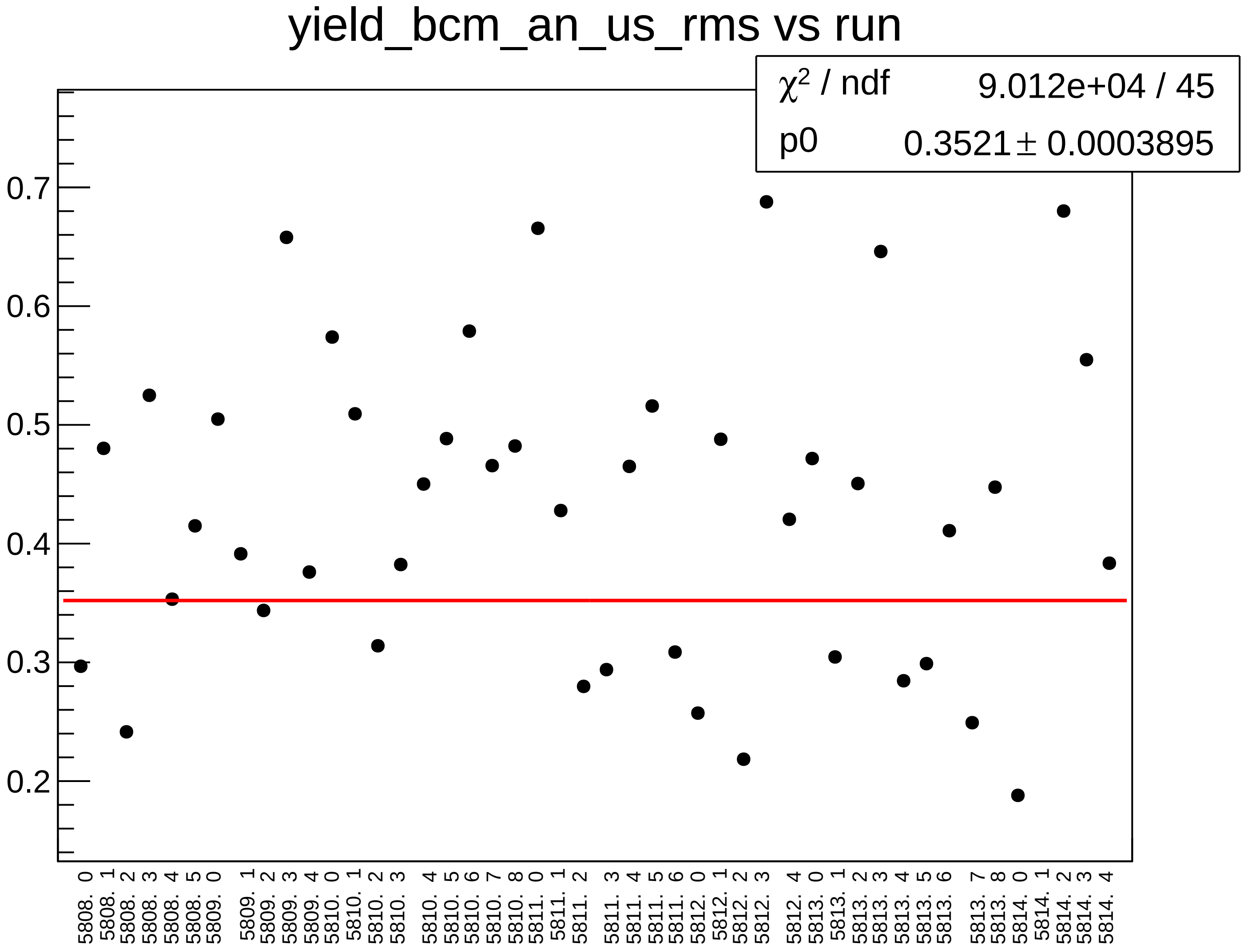
yield_bcm_an_ds3_rms vs run
χ^2 / ndf 9.022e+04 / 45
p0 0.3509 ± 0.0003882
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



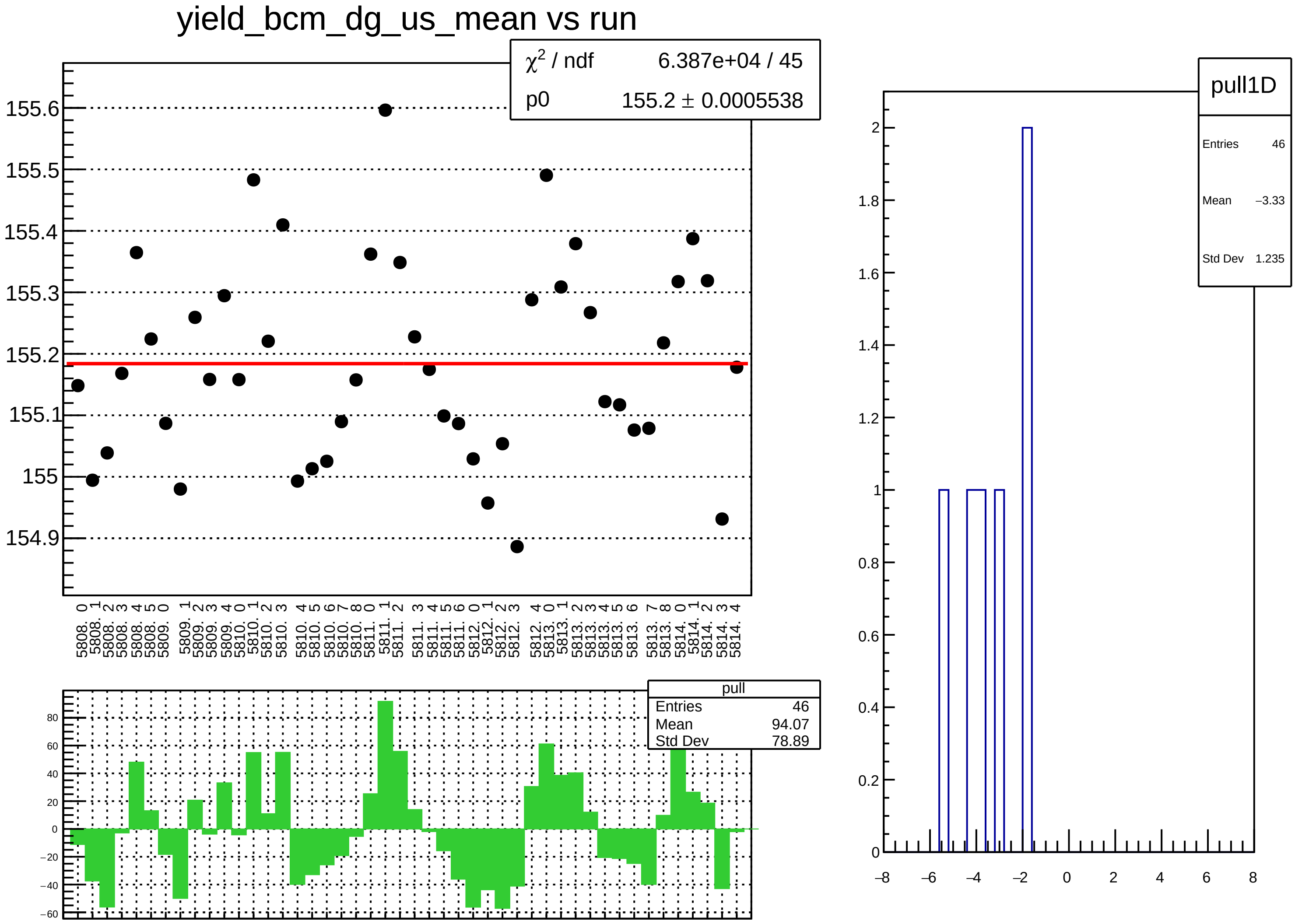
yield_bcm_an_us_mean vs run
χ^2 / ndf 6.703e+04 / 45
p0 155 ± 0.0005508
pull
Entries 46
Mean 237.8
Std Dev 217.7



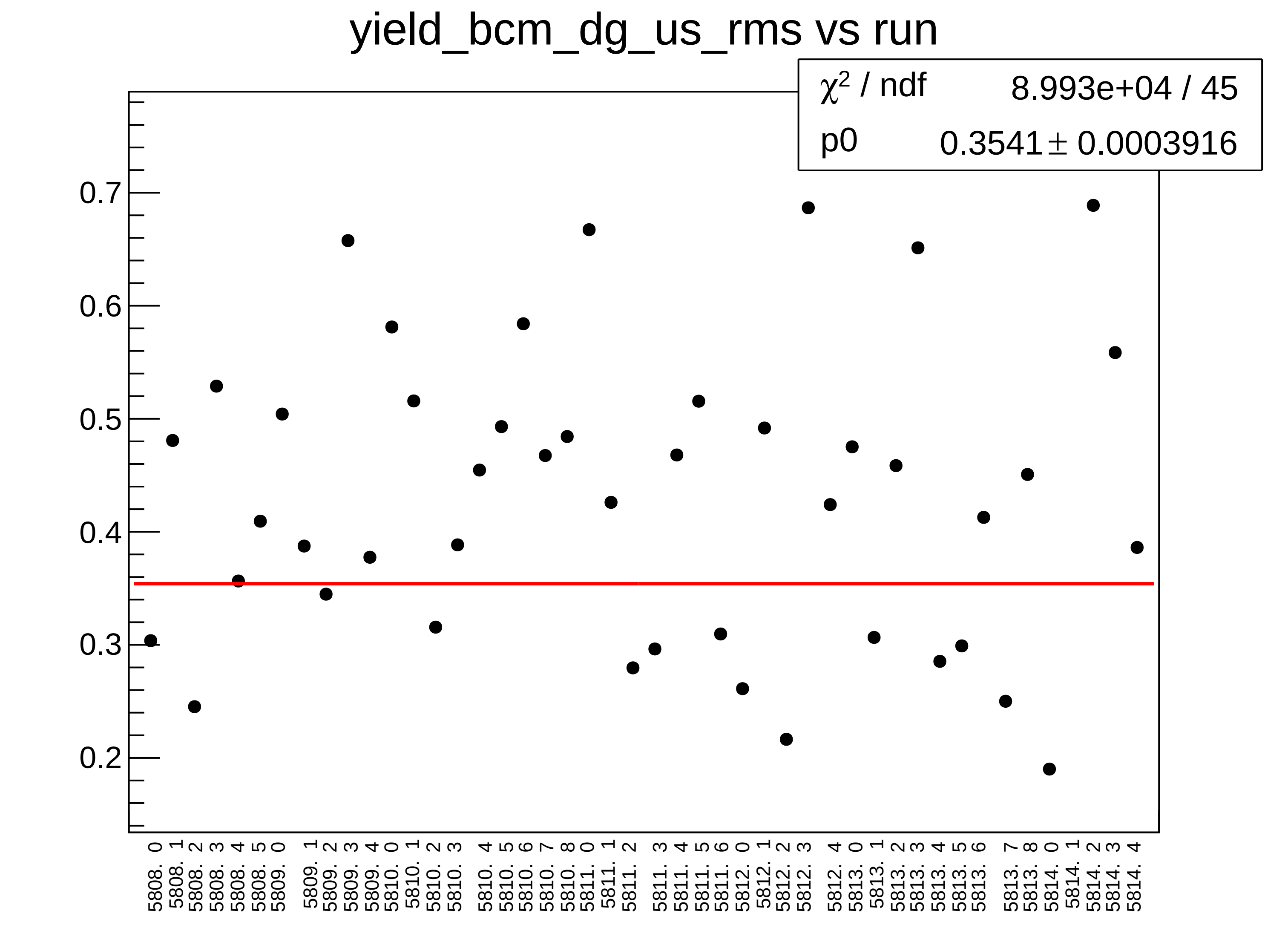
pull1D
Entries 46
Mean −1.664
Std Dev 4



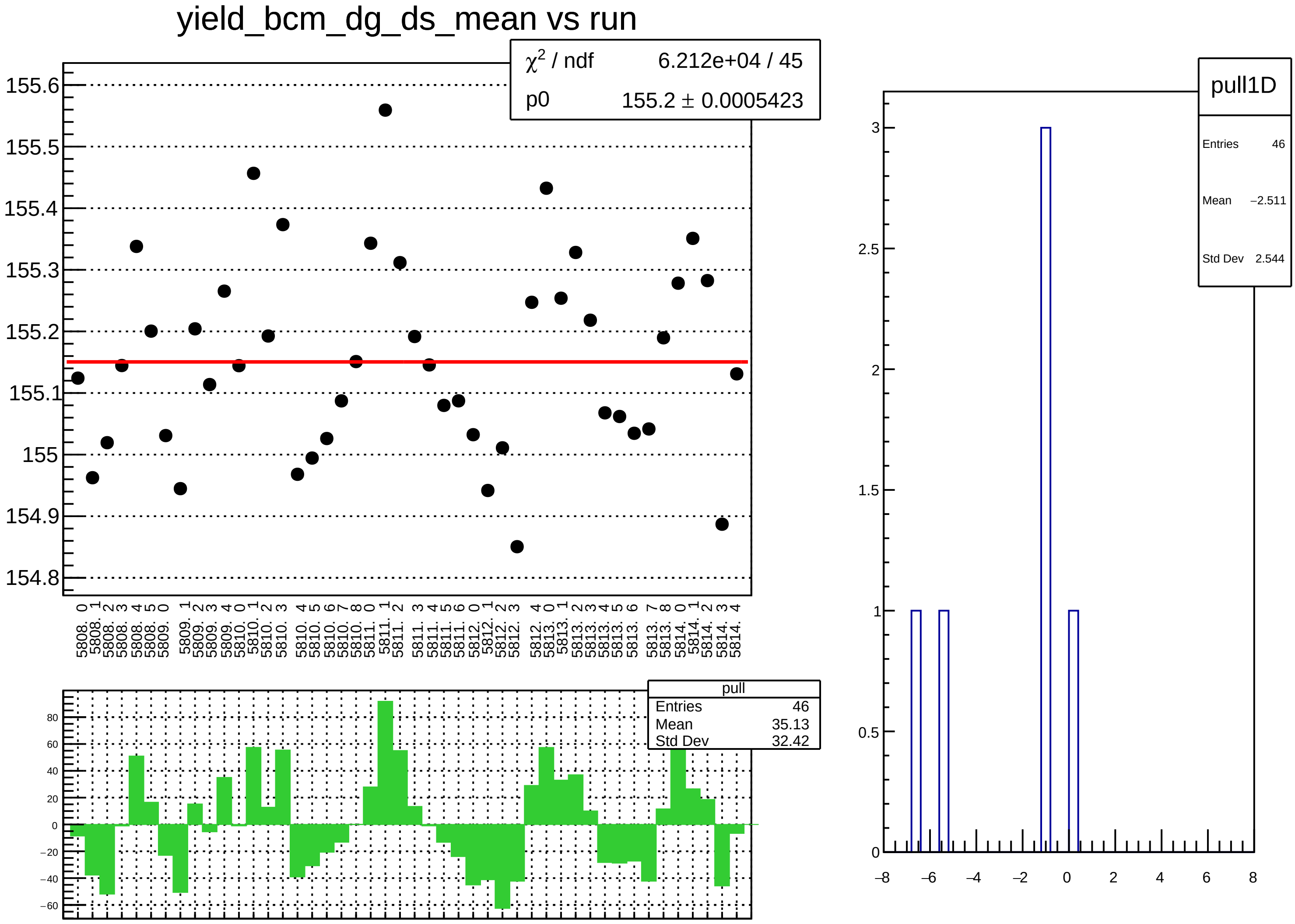
yield_bcm_an_us_rms vs run
χ2 / ndf 9.012e+04 / 45
p0 0.3521 ± 0.0003895
0.2
0.3
0.4
0.5
0.6
0.7
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



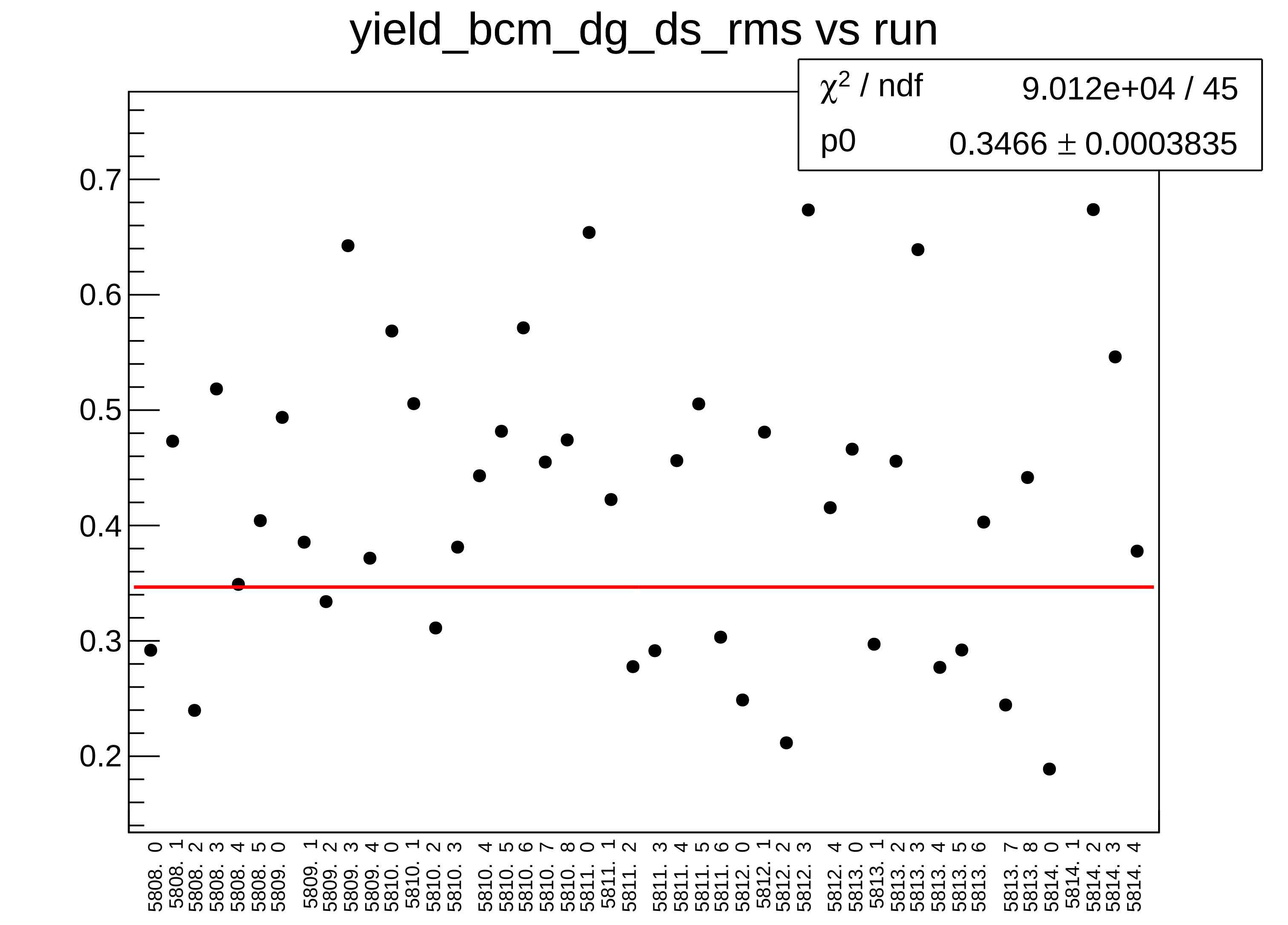
yield_bcm_dg_us_mean vs run
χ^2 / ndf 6.387e+04 / 45
p0 155.2 ± 0.0005538
pull
Entries 46
Mean 94.07
Std Dev 78.89
pull1D
Entries 46
Mean −3.33
Std Dev 1.235



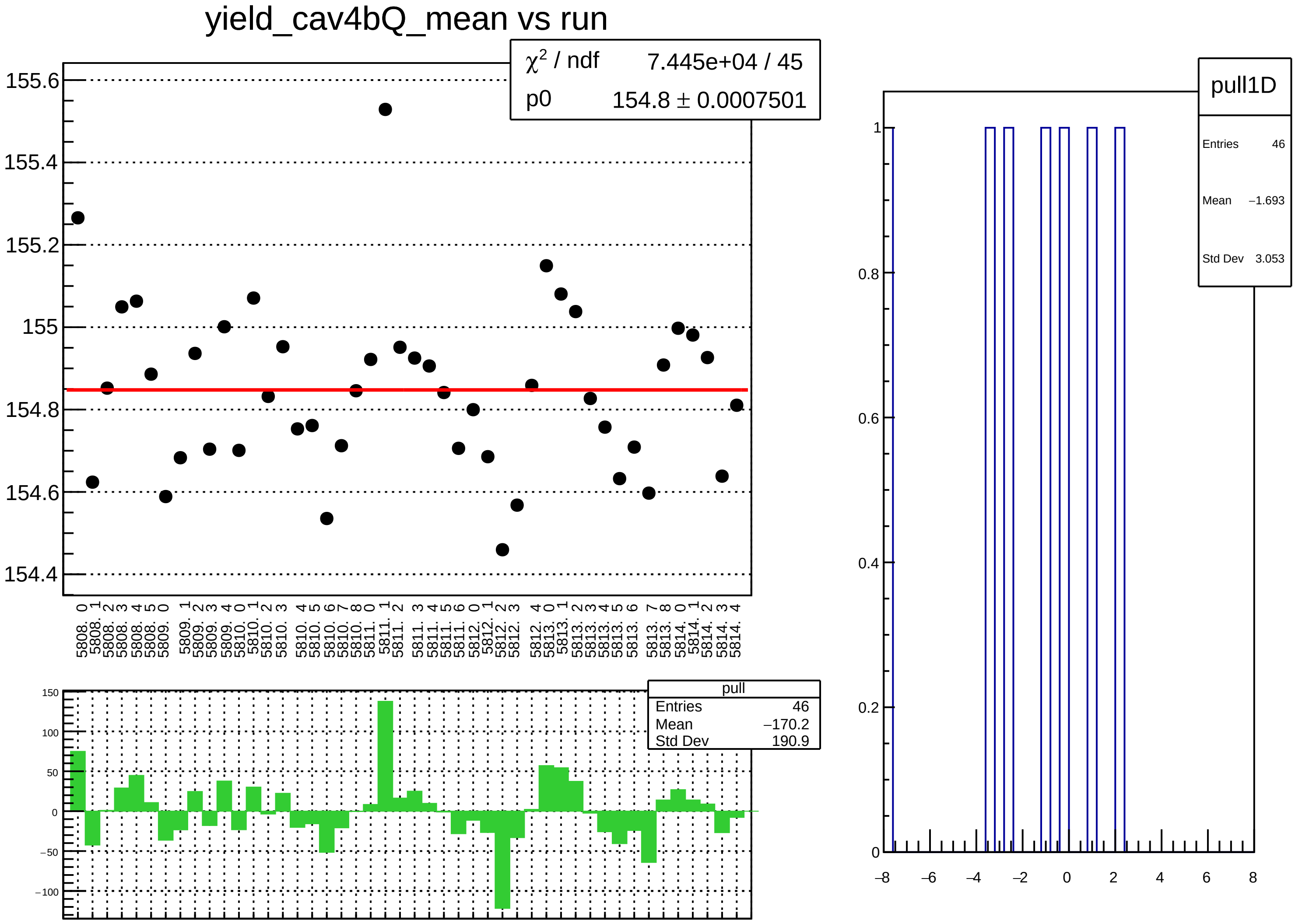
yield_bcm_dg_us_rms vs run
χ^2 / ndf 8.993e+04 / 45
p0 0.3541 ± 0.0003916
0.7
0.6
0.5
0.4
0.3
0.2



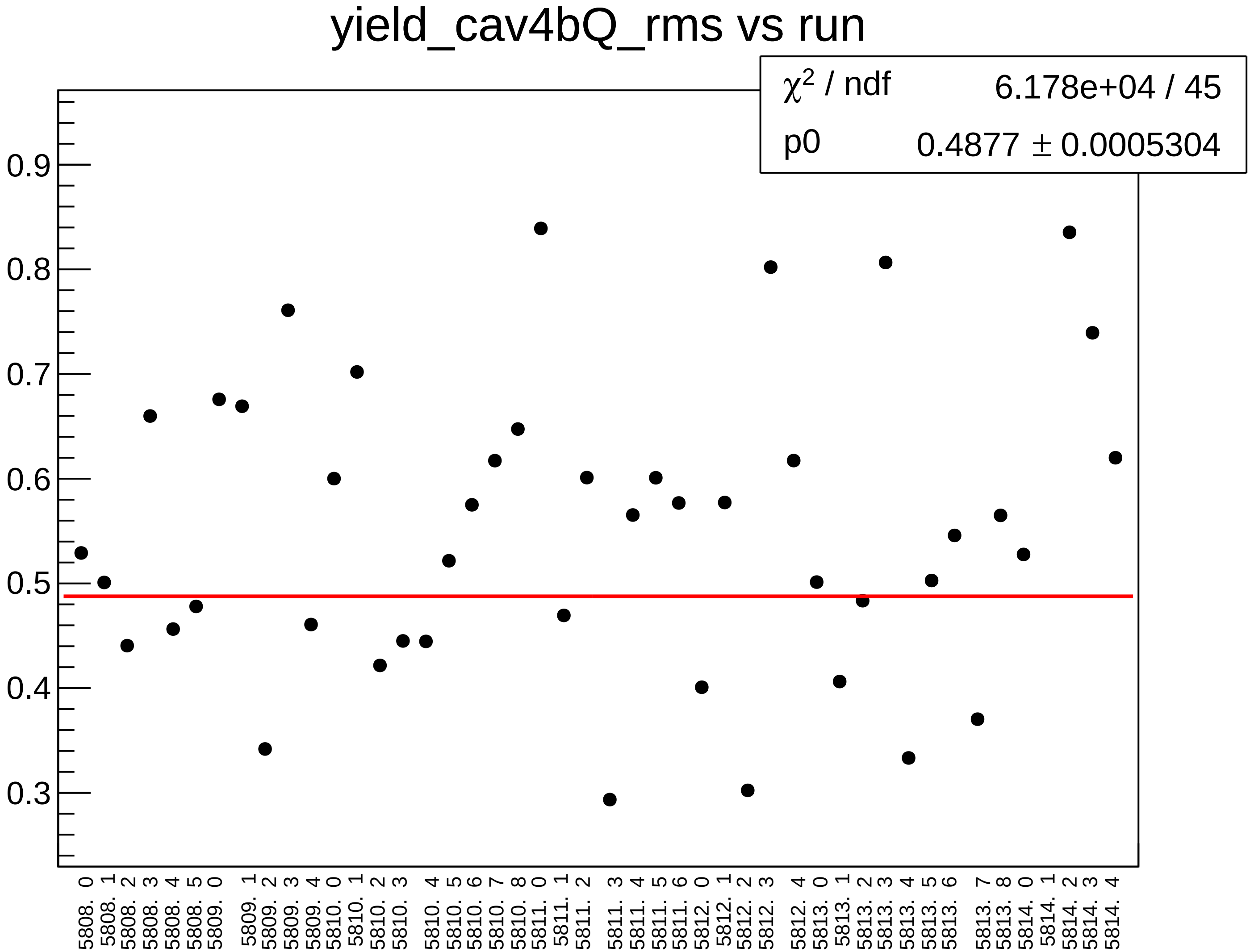
yield_bcm_dg_ds_mean vs run
χ2 / ndf 6.212e+04 / 45
p0 155.2 ± 0.0005423
pull
Entries 46
Mean 35.13
Std Dev 32.42
pull1D
Entries 46
Mean −2.511
Std Dev 2.544



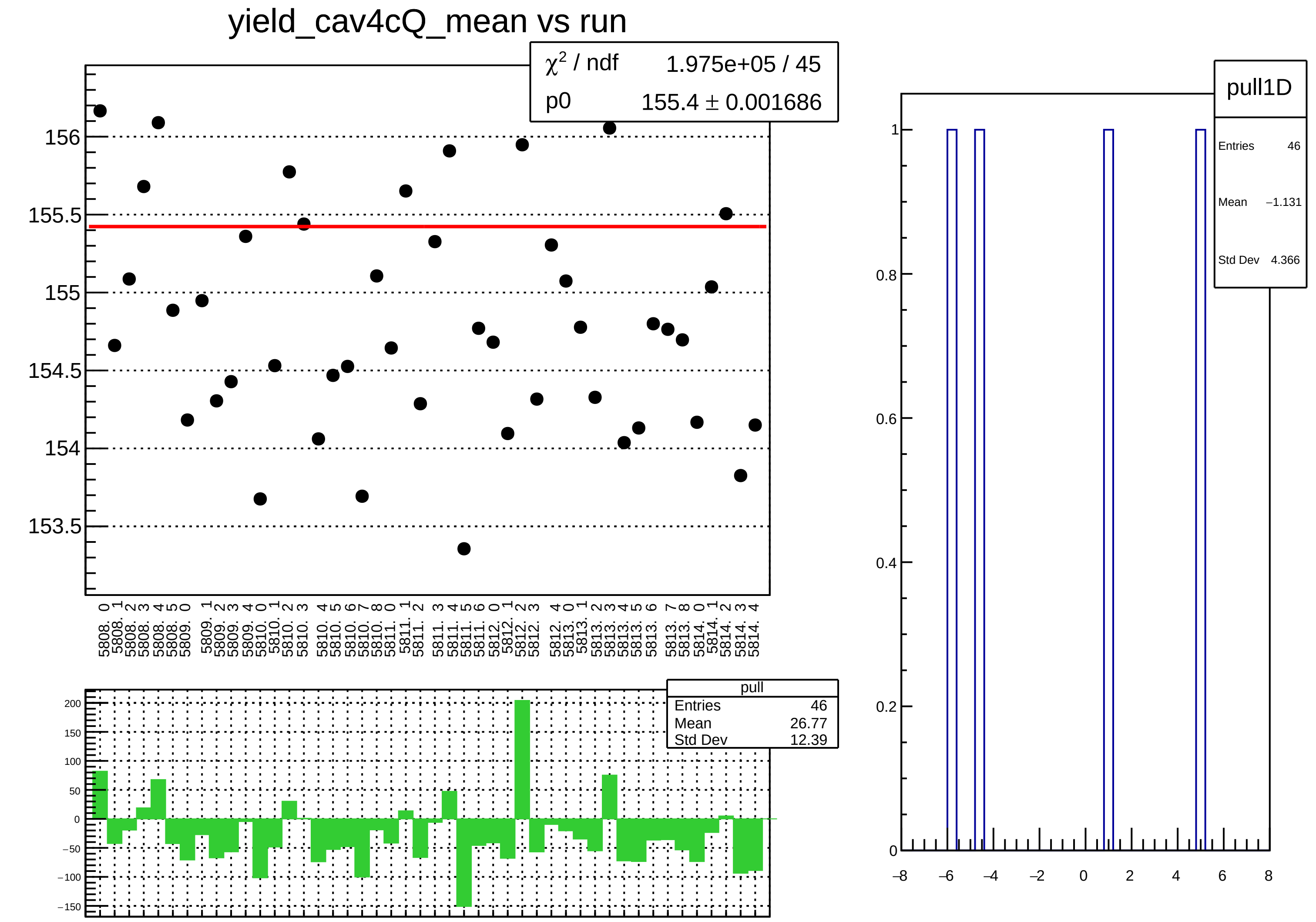
yield_bcm_dg_ds_rms vs run
χ^2 / ndf 9.012e+04 / 45
p0 0.3466 ± 0.0003835
0.2
0.3
0.4
0.5
0.6
0.7
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



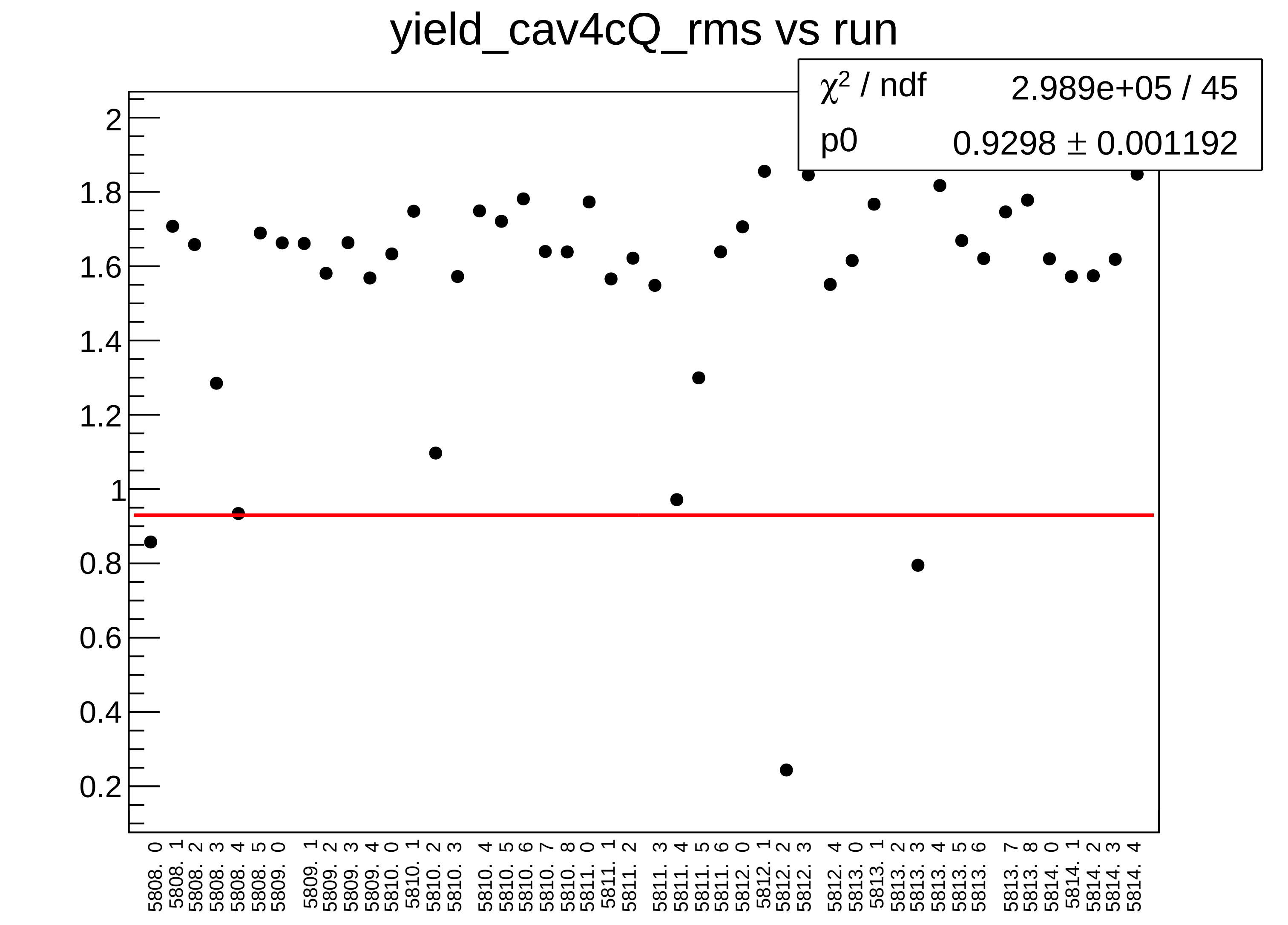
yield_cav4bQ_mean vs run
χ^2 / ndf 7.445e+04 / 45
p0 154.8 ± 0.0007501
pull
Entries 46
Mean −170.2
Std Dev 190.9
pull1D
Entries 46
Mean −1.693
Std Dev 3.053



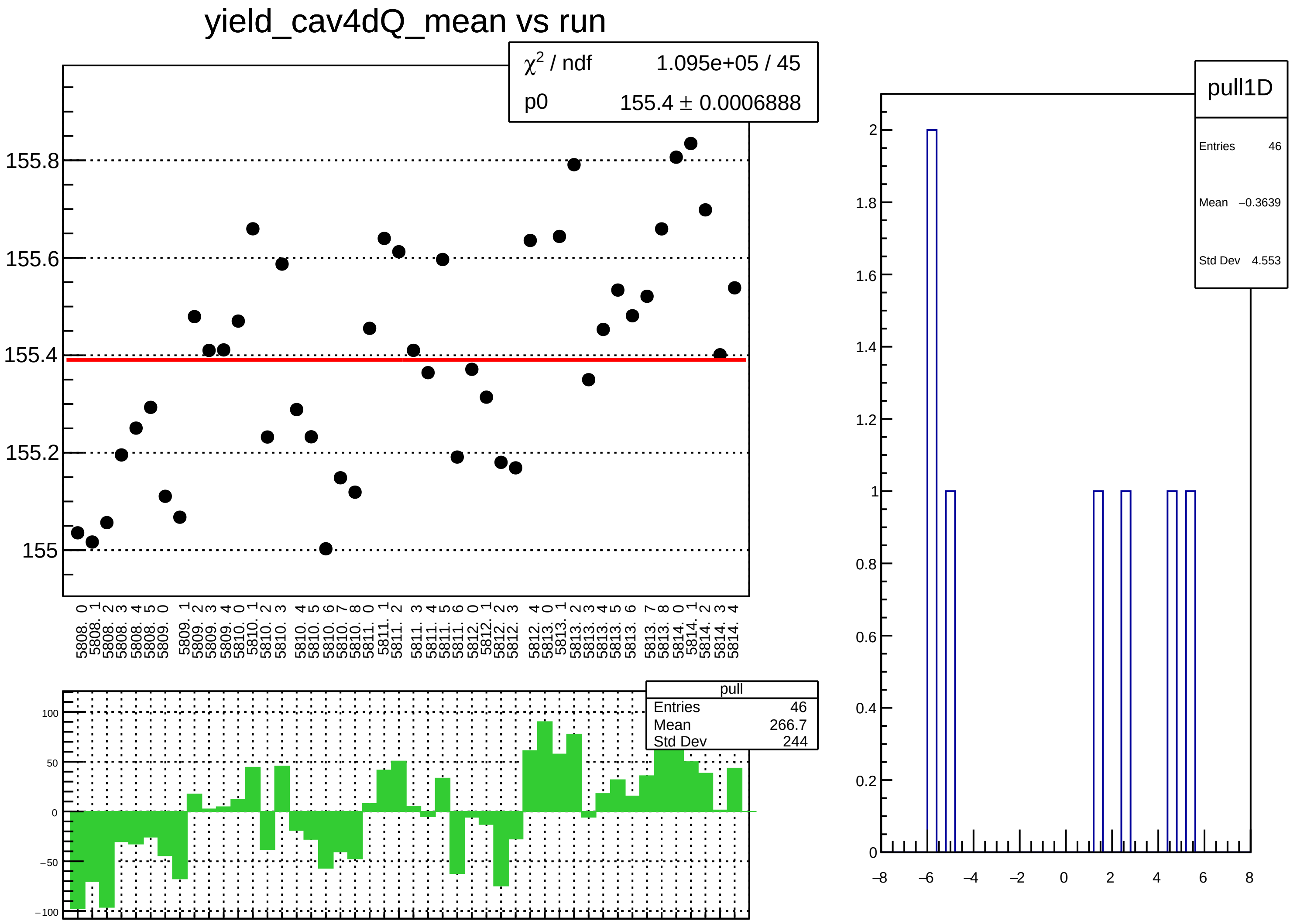
yield_cav4bQ_rms vs run
χ^2 / ndf 6.178e+04 / 45
p0 0.4877 ± 0.0005304
0.3
0.4
0.5
0.6
0.7
0.8
0.9
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



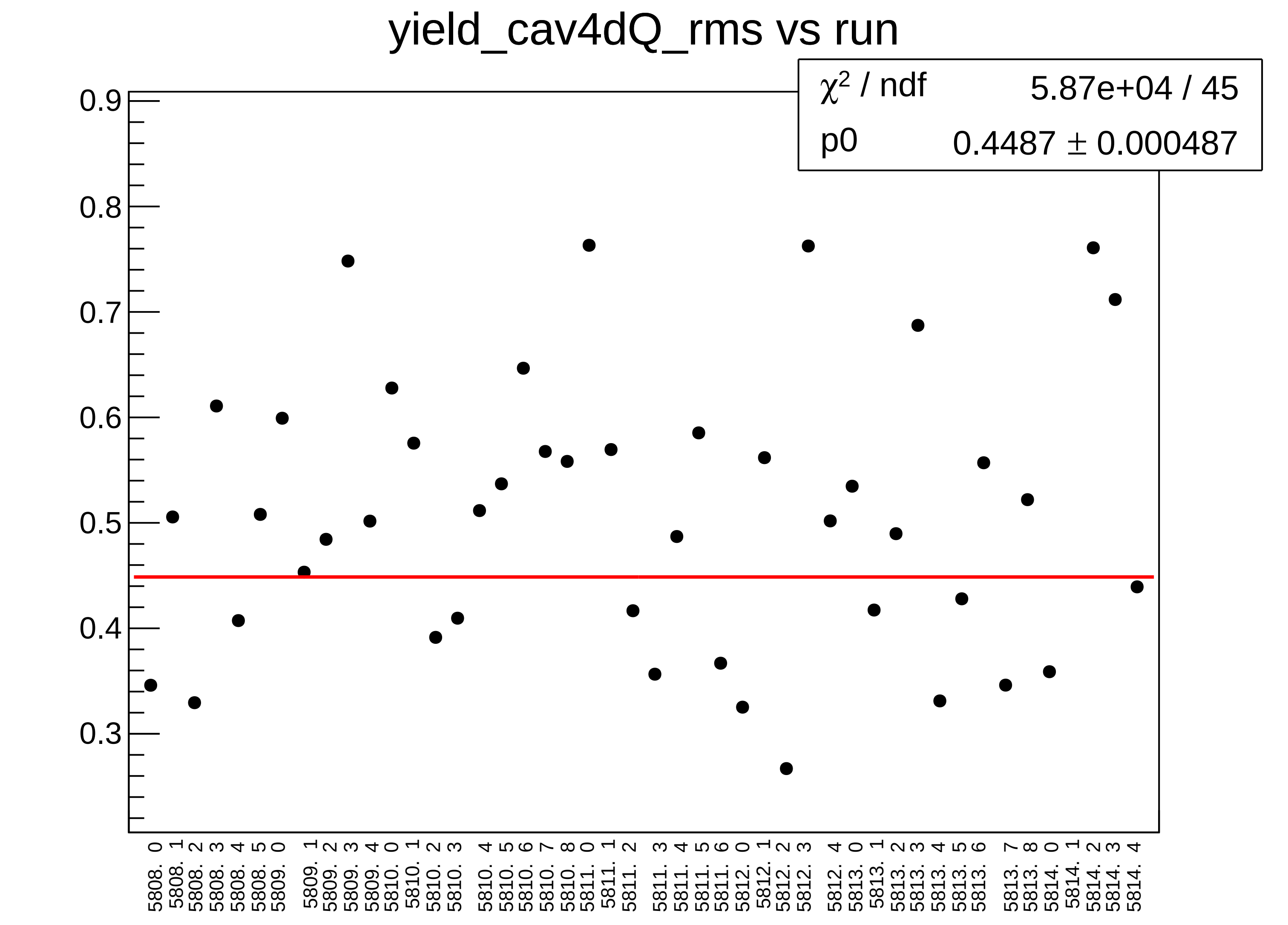
yield_cav4cQ_mean vs run
χ^2 / ndf 1.975e+05 / 45
p0 155.4 ± 0.001686
pull
Entries 46
Mean 26.77
Std Dev 12.39
pull1D
Entries 46
Mean −1.131
Std Dev 4.366

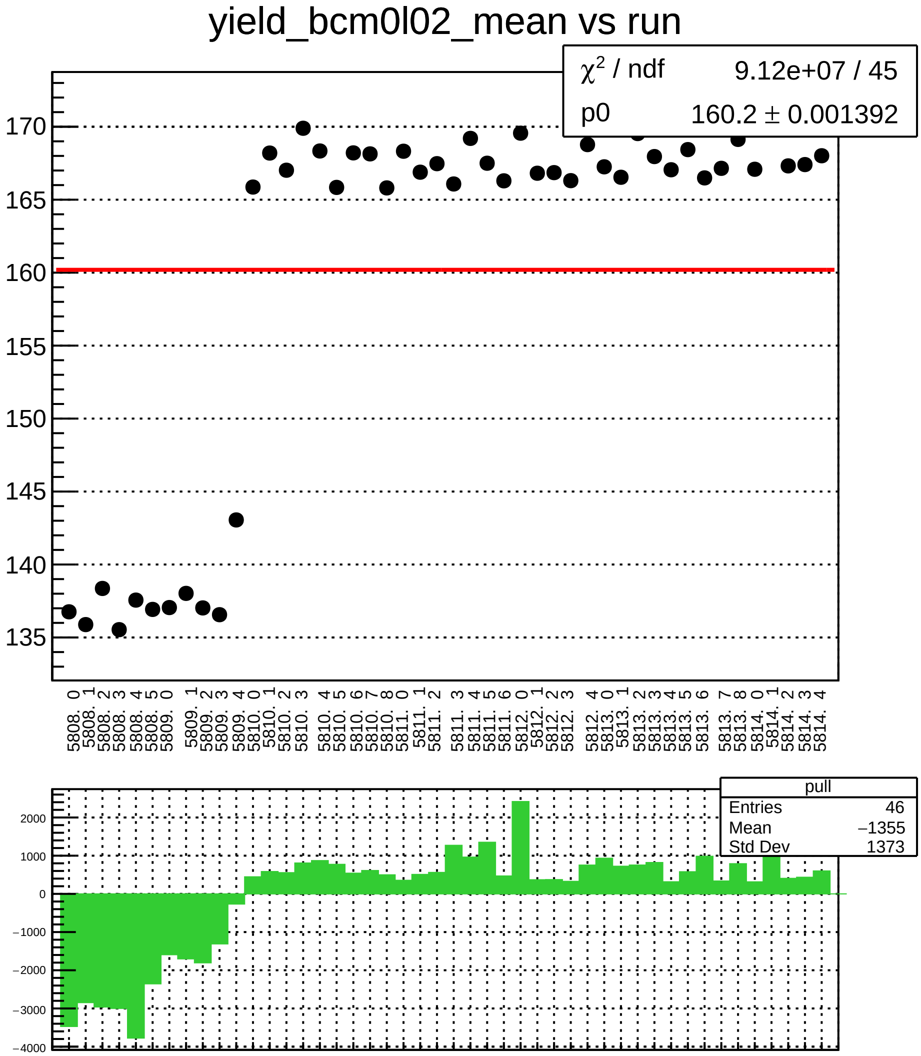


yield_cav4cQ_rms vs run
χ^2 / ndf 2.989e+05 / 45
p0 0.9298 ± 0.001192
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

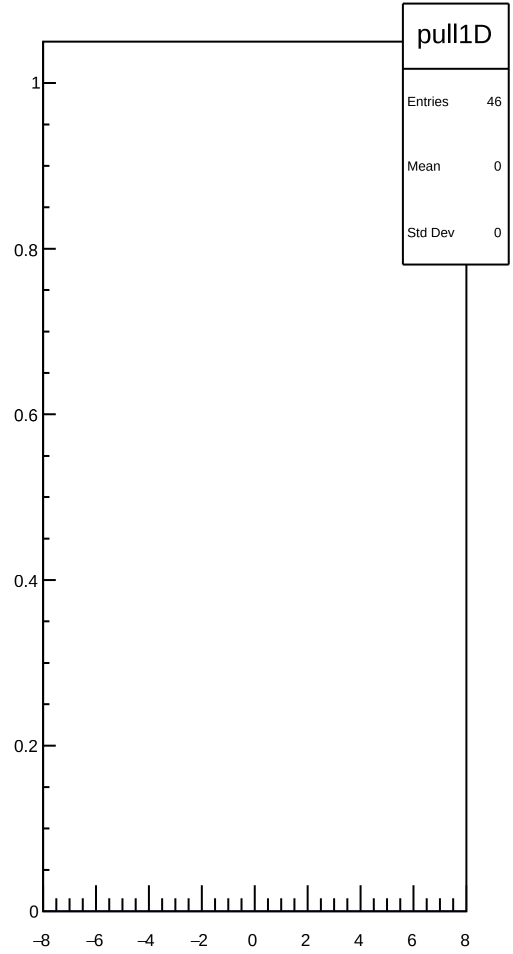


yield_cav4dQ_mean vs run
χ2 / ndf 1.095e+05 / 45
p0 155.4 ± 0.0006888
pull
Entries 46
Mean 266.7
Std Dev 244
pull1D
Entries 46
Mean −0.3639
Std Dev 4.553

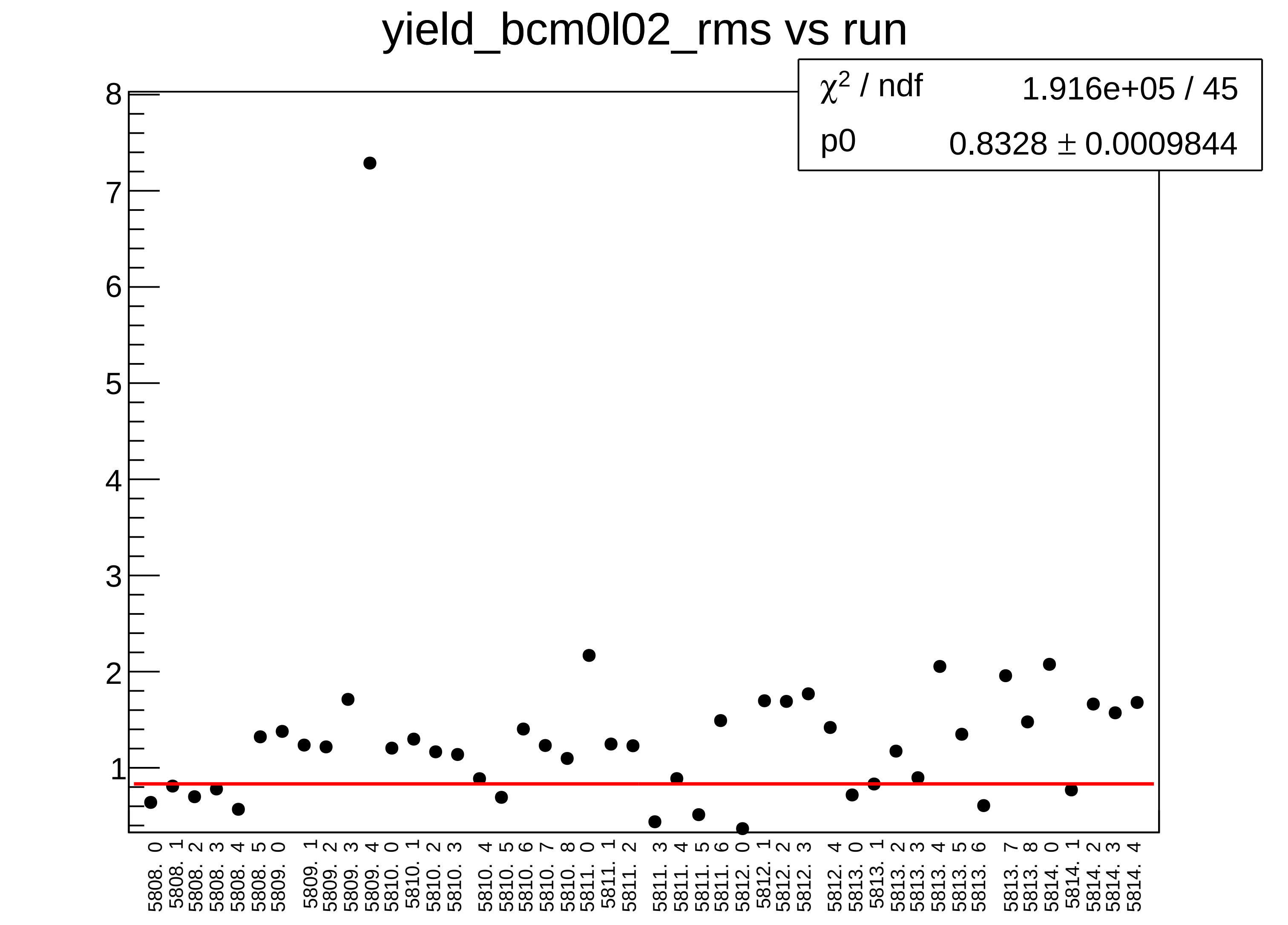

yield_cav4dQ_rms vs run
χ2 / ndf 5.87e+04 / 45
p0 0.4487 ± 0.000487
0.9
0.8
0.7
0.6
0.5
0.4
0.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



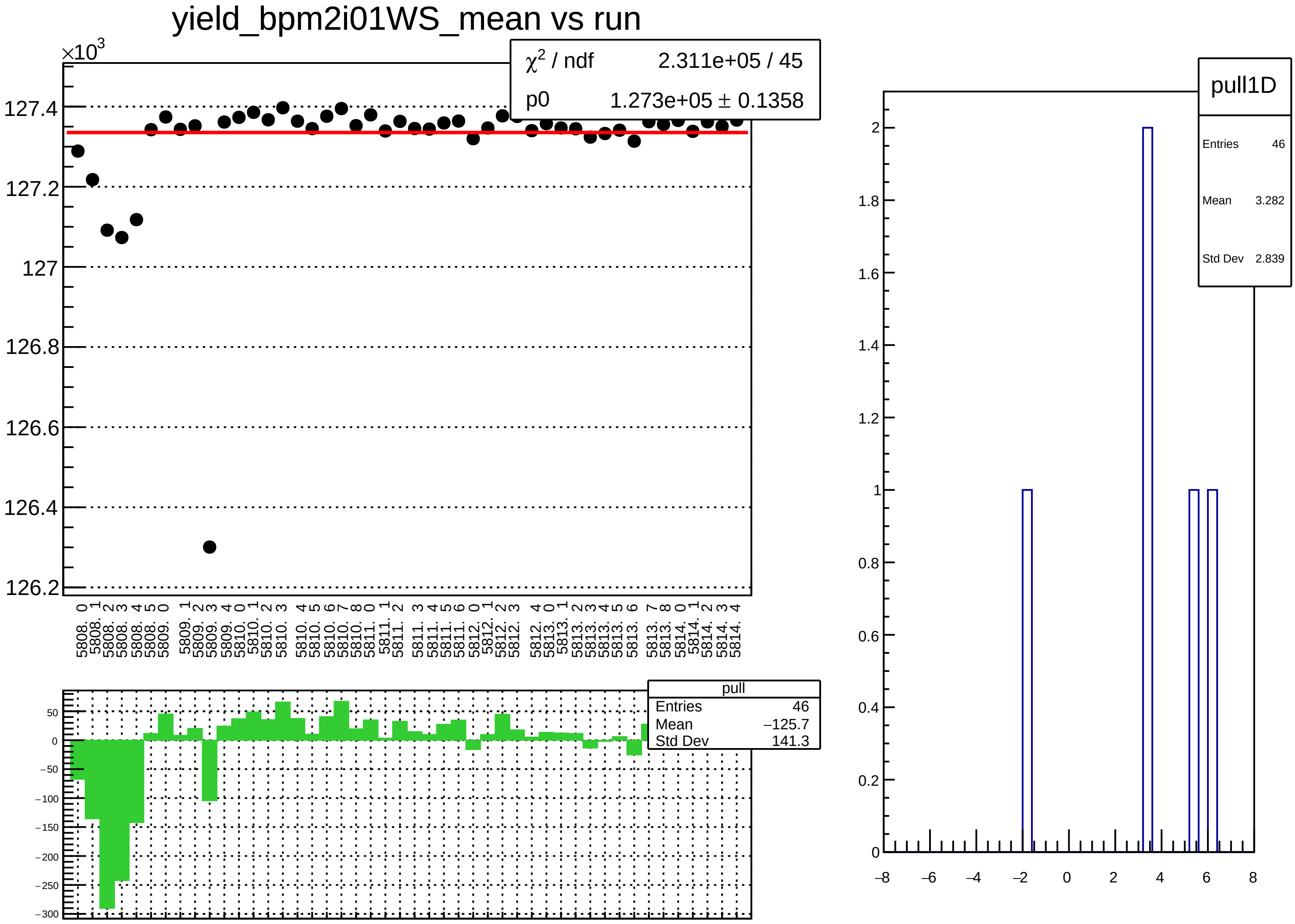
yield_bcm0l02_mean vs run
χ^2 / ndf 9.12e+07 / 45
p0 160.2 ± 0.001392
pull
Entries 46
Mean −1355
Std Dev 1373



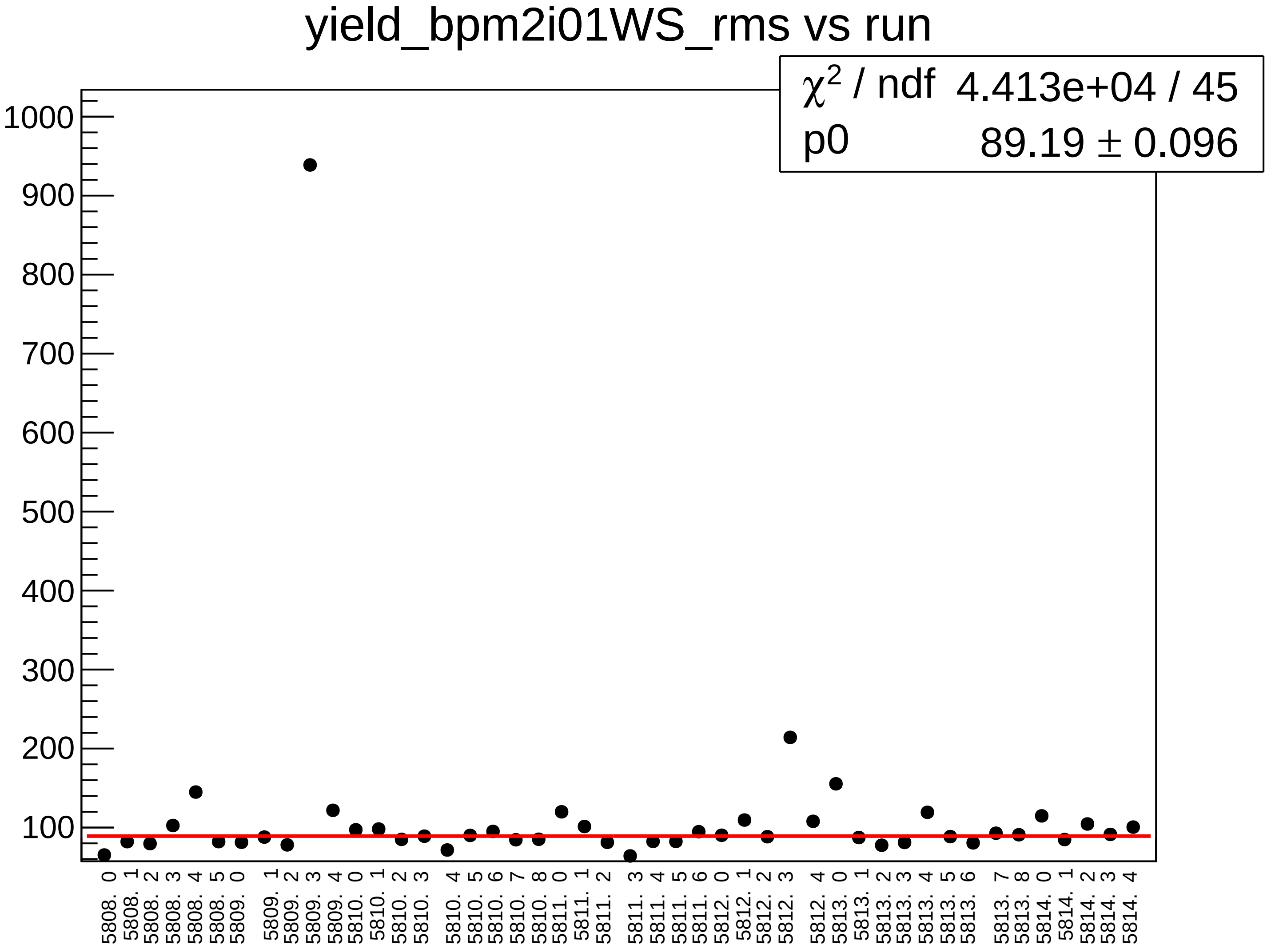
pull1D
Entries 46
Mean 0
Std Dev 0



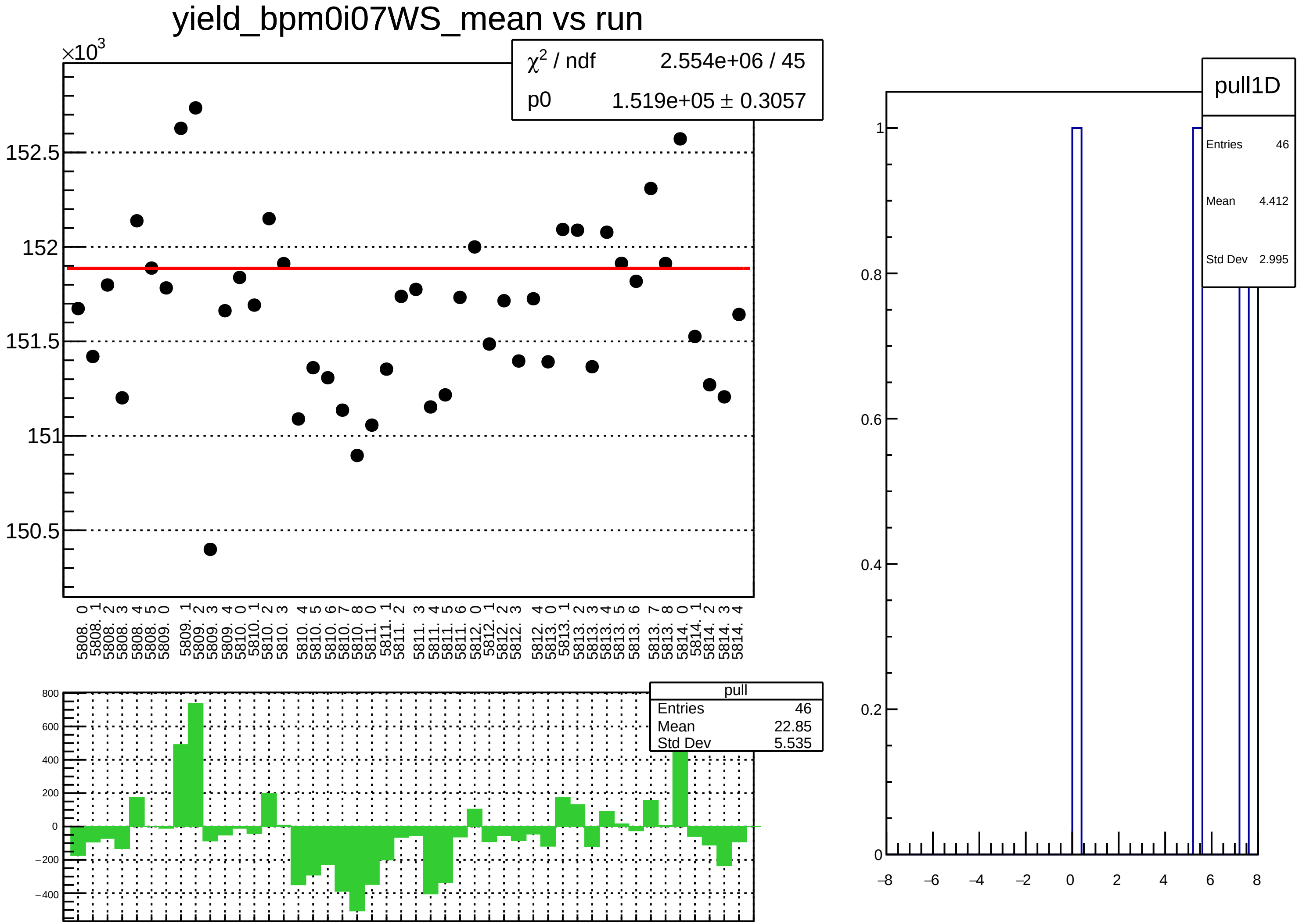
yield_bcm0l02_rms vs run
χ^2 / ndf 1.916e+05 / 45
p0 0.8328 ± 0.0009844
1
2
3
4
5
6
7
8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



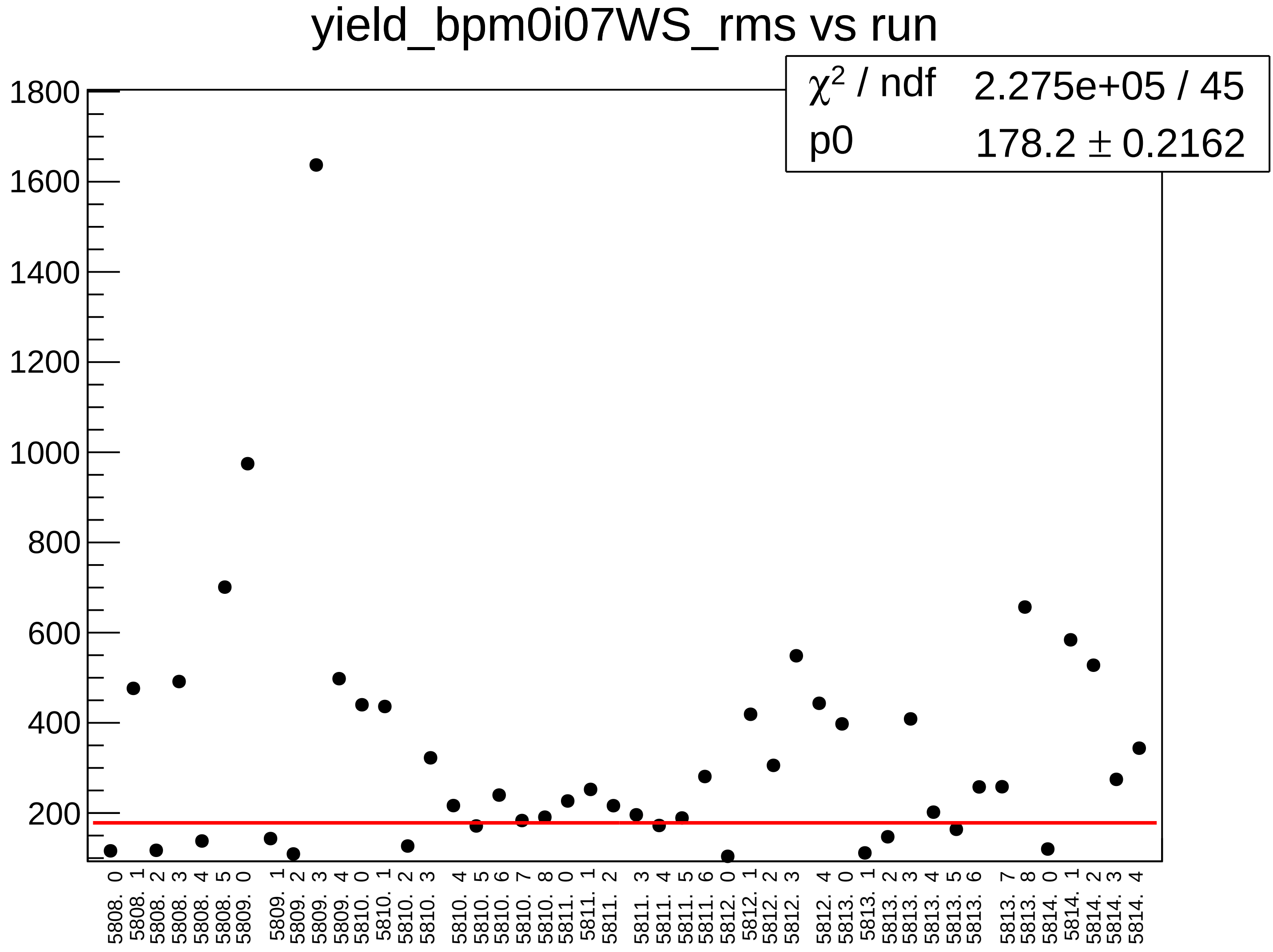
yield_bpm2i01WS_mean vs run
χ^2 / ndf 2.311e+05 / 45
p0 1.273e+05 ± 0.1358
pull
Entries 46
Mean −125.7
Std Dev 141.3
pull1D
Entries 46
Mean 3.282
Std Dev 2.839



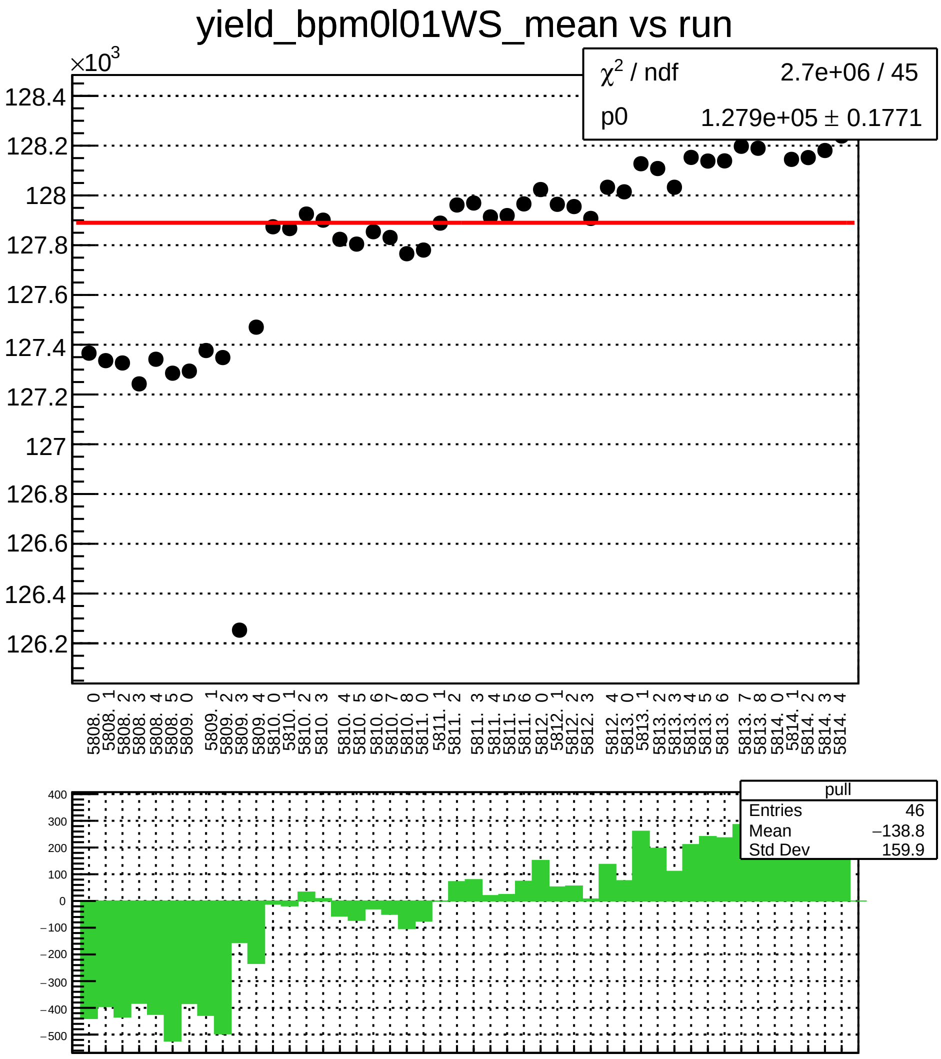
yield_bpm2i01WS_rms vs run
χ^2 / ndf 4.413e+04 / 45
p0 89.19 ± 0.096
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

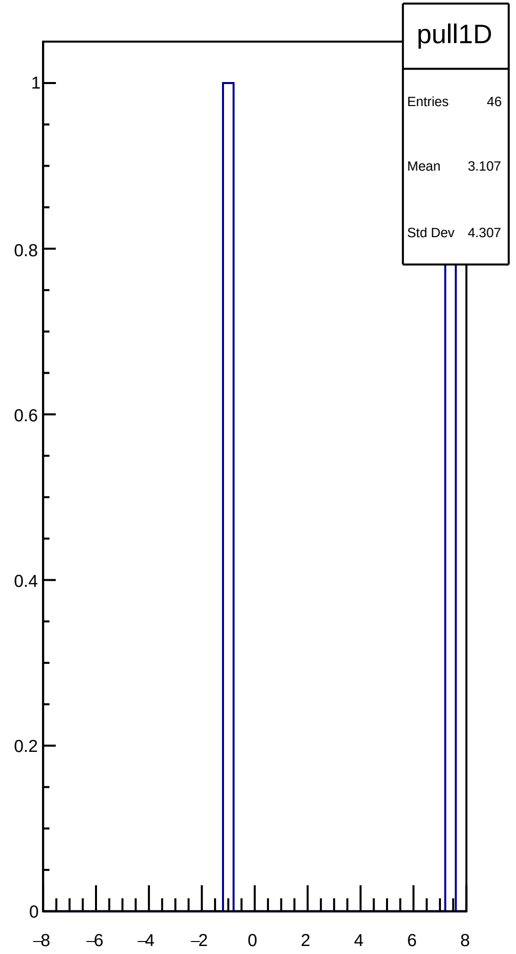


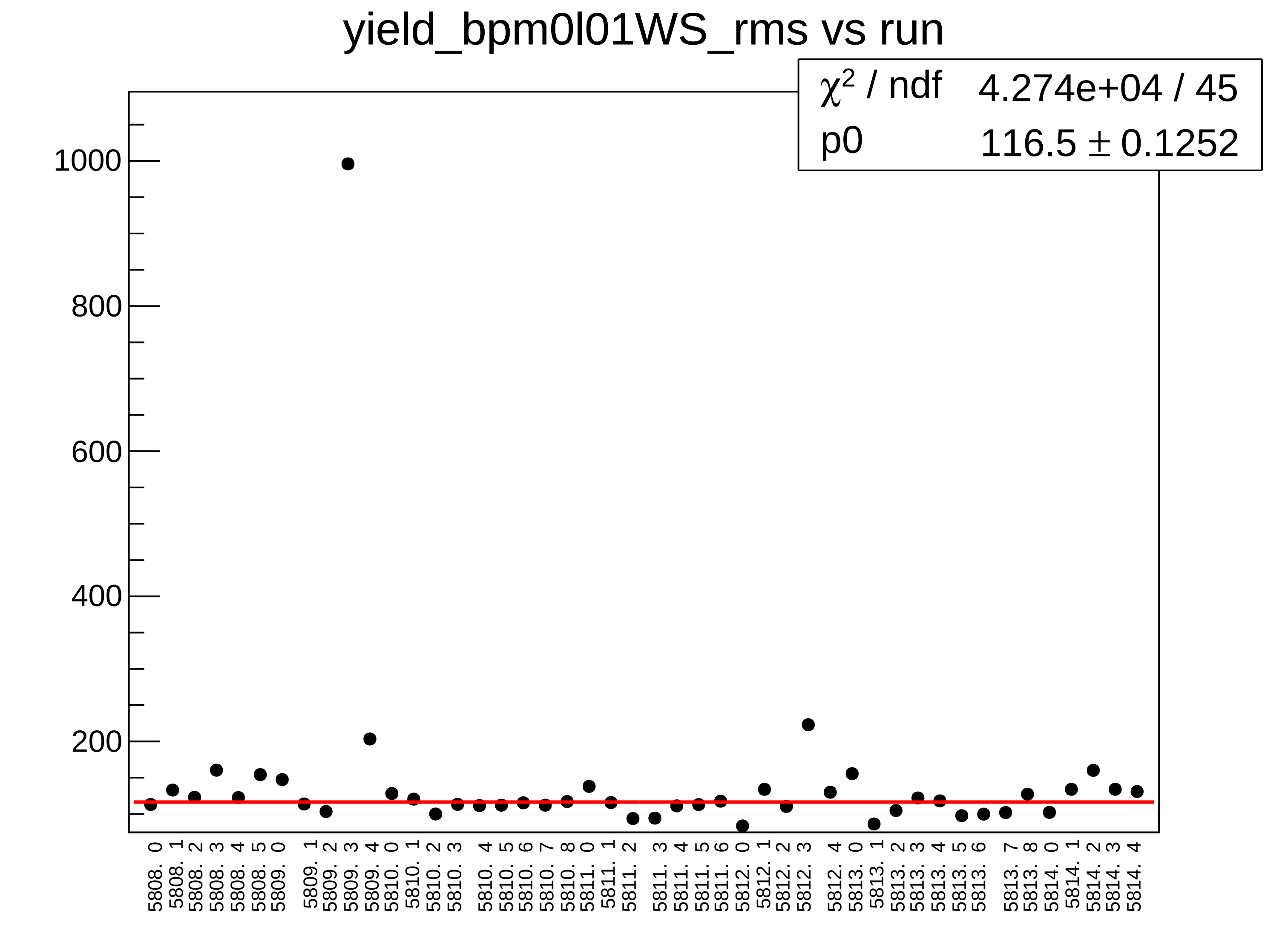
yield_bpm0i07WS_mean vs run
χ^2 / ndf 2.554e+06 / 45
p0 1.519e+05 ± 0.3057
pull
Entries 46
Mean 22.85
Std Dev 5.535
pull1D
Entries 46
Mean 4.412
Std Dev 2.995

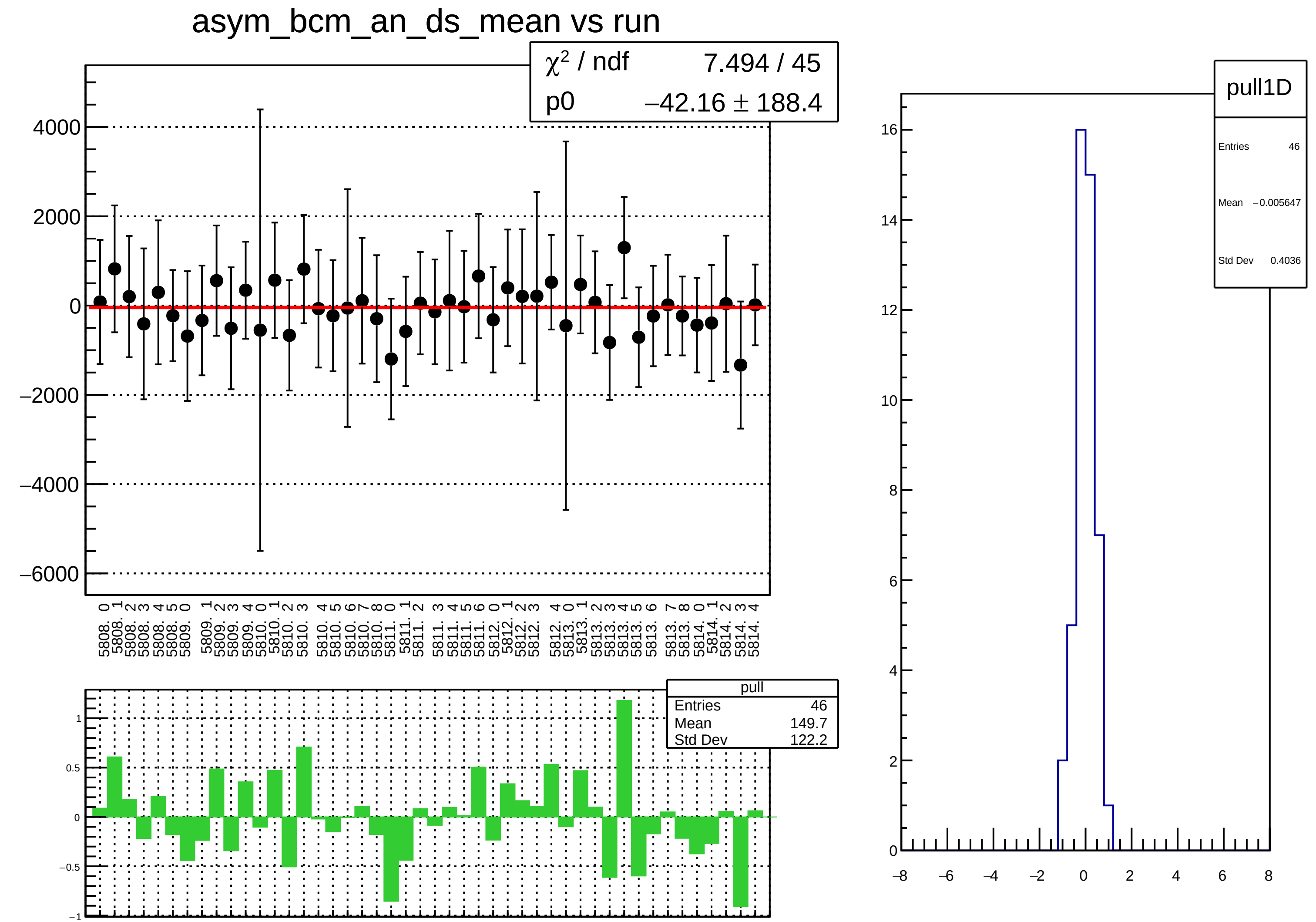


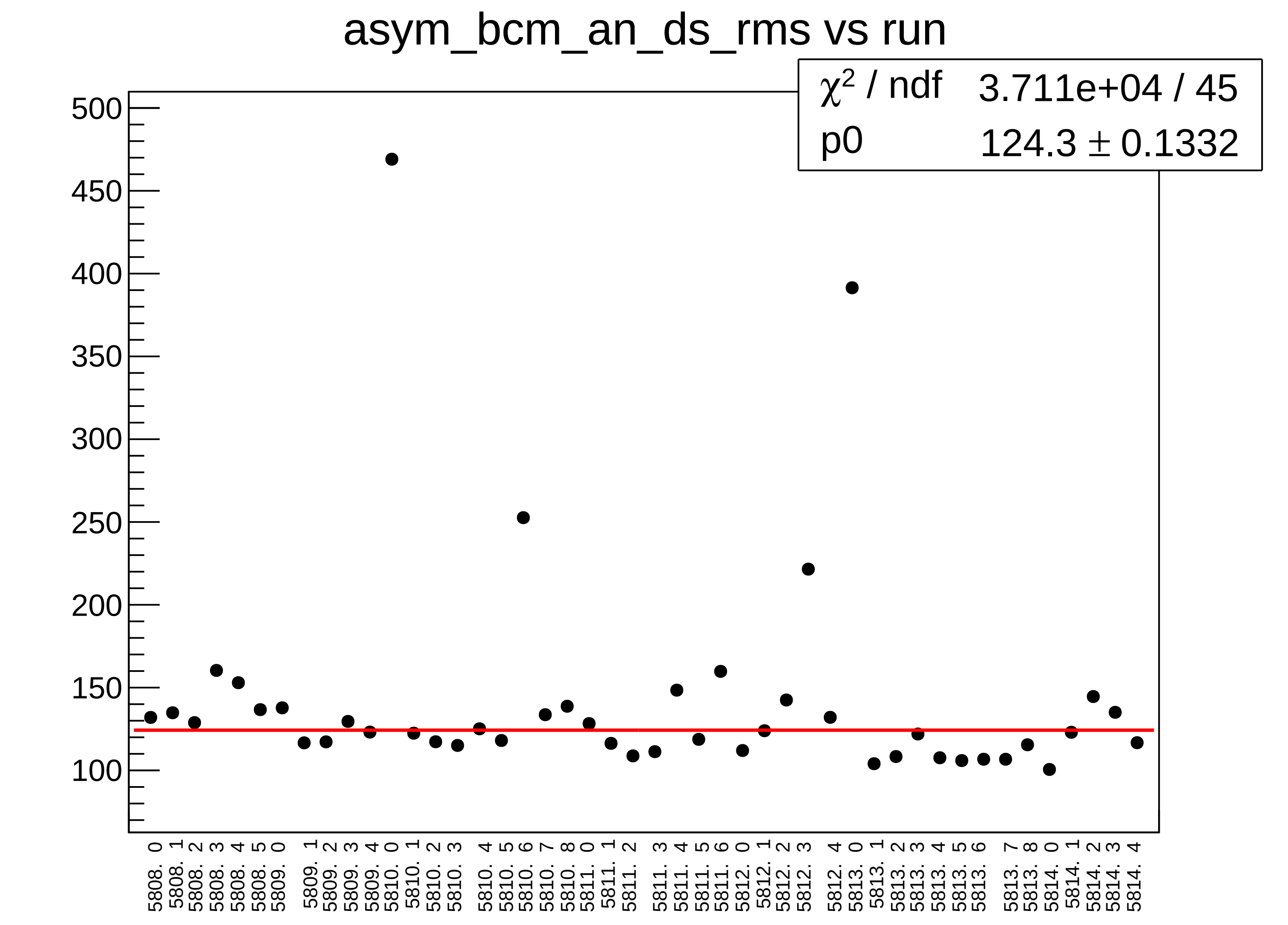
yield_bpm0i07WS_rms vs run
χ^2 / ndf 2.275e+05 / 45
p0 178.2 ± 0.2162
1800
1600
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

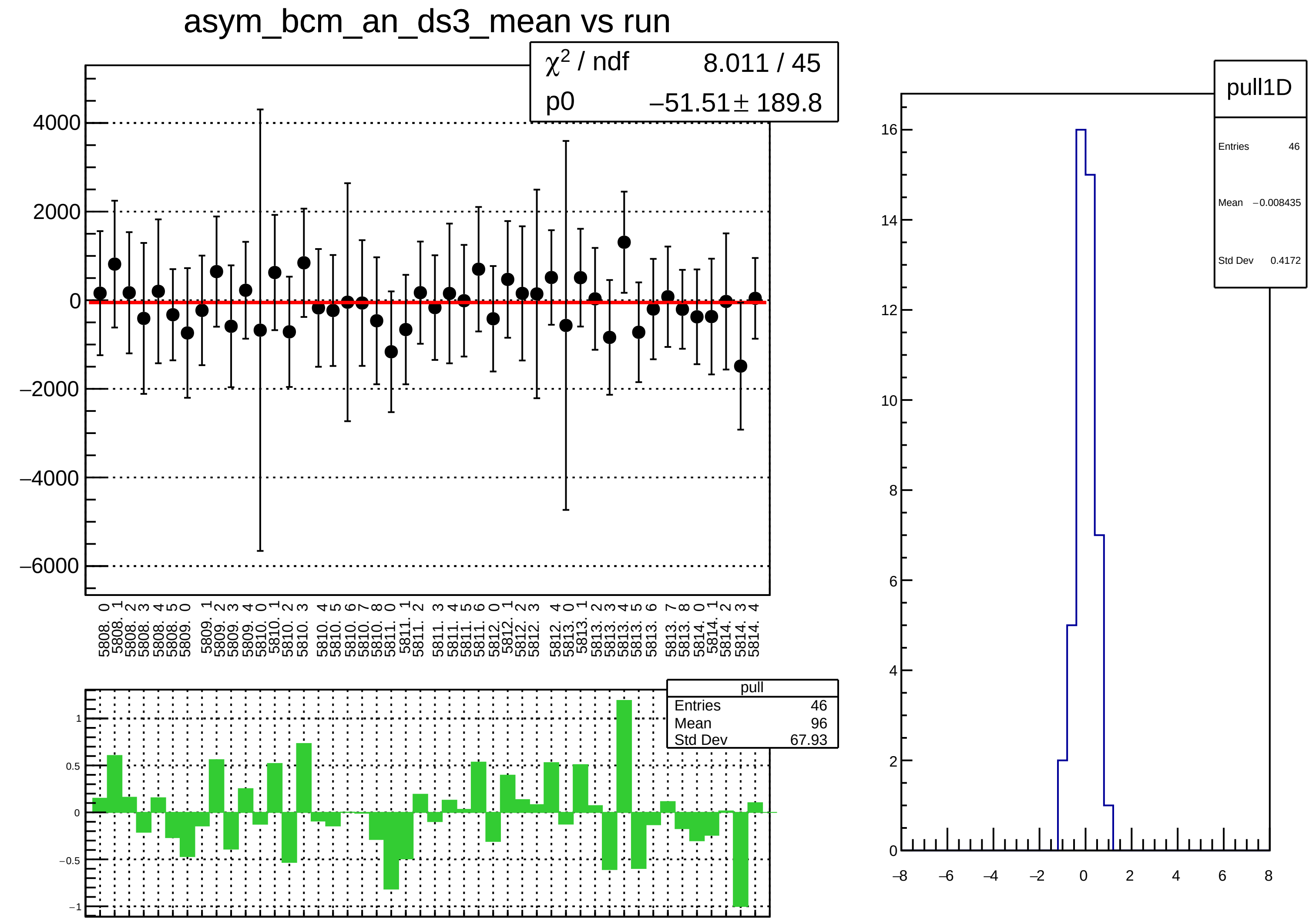

yield_bpm0l01WS_mean vs run
χ2 / ndf 2.7e+06 / 45
p0 1.279e+05 ± 0.1771
×10^3
pull
Entries 46
Mean −138.8
Std Dev 159.9

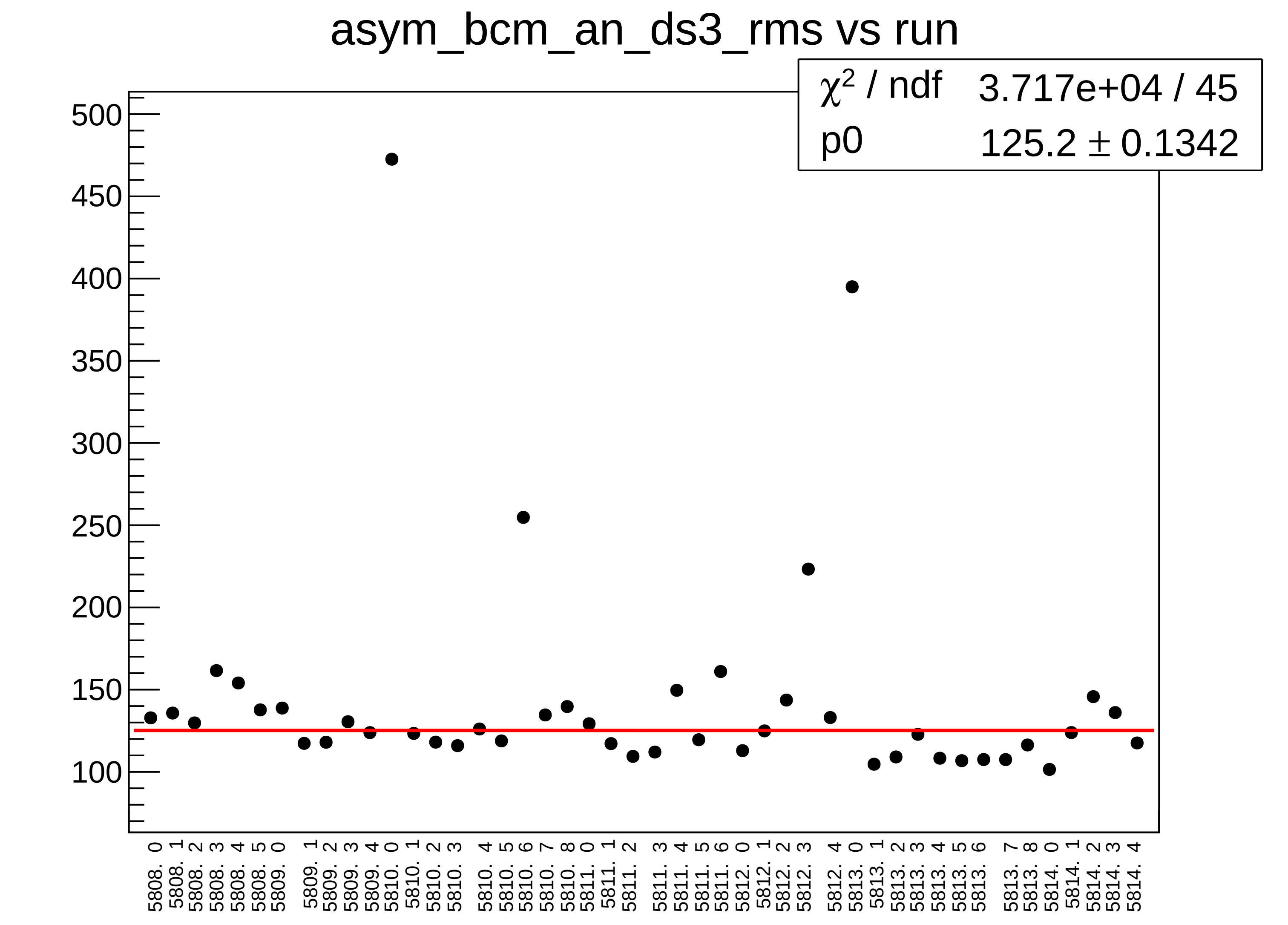

pull1D
Entries 46
Mean 3.107
Std Dev 4.307


yield_bpm0l01WS_rms vs run
χ^2 / ndf 4.274e+04 / 45
p0 116.5 ± 0.1252
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_bcm_an_ds_mean vs run
χ^2 / ndf 7.494 / 45
p0 −42.16 ± 188.4
pull
Entries 46
Mean 149.7
Std Dev 122.2
pull1D
Entries 46
Mean −0.005647
Std Dev 0.4036


asym_bcm_an_ds_rms vs run
χ^2 / ndf 3.711e+04 / 45
p0 124.3 ± 0.1332
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_bcm_an_ds3_mean vs run
χ^2 / ndf 8.011 / 45
p0 −51.51 ± 189.8
pull
Entries 46
Mean 96
Std Dev 67.93
pull1D
Entries 46
Mean −0.008435
Std Dev 0.4172



asym_bcm_an_ds3_rms vs run
χ^2 / ndf 3.717e+04 / 45
p0 125.2 ± 0.1342
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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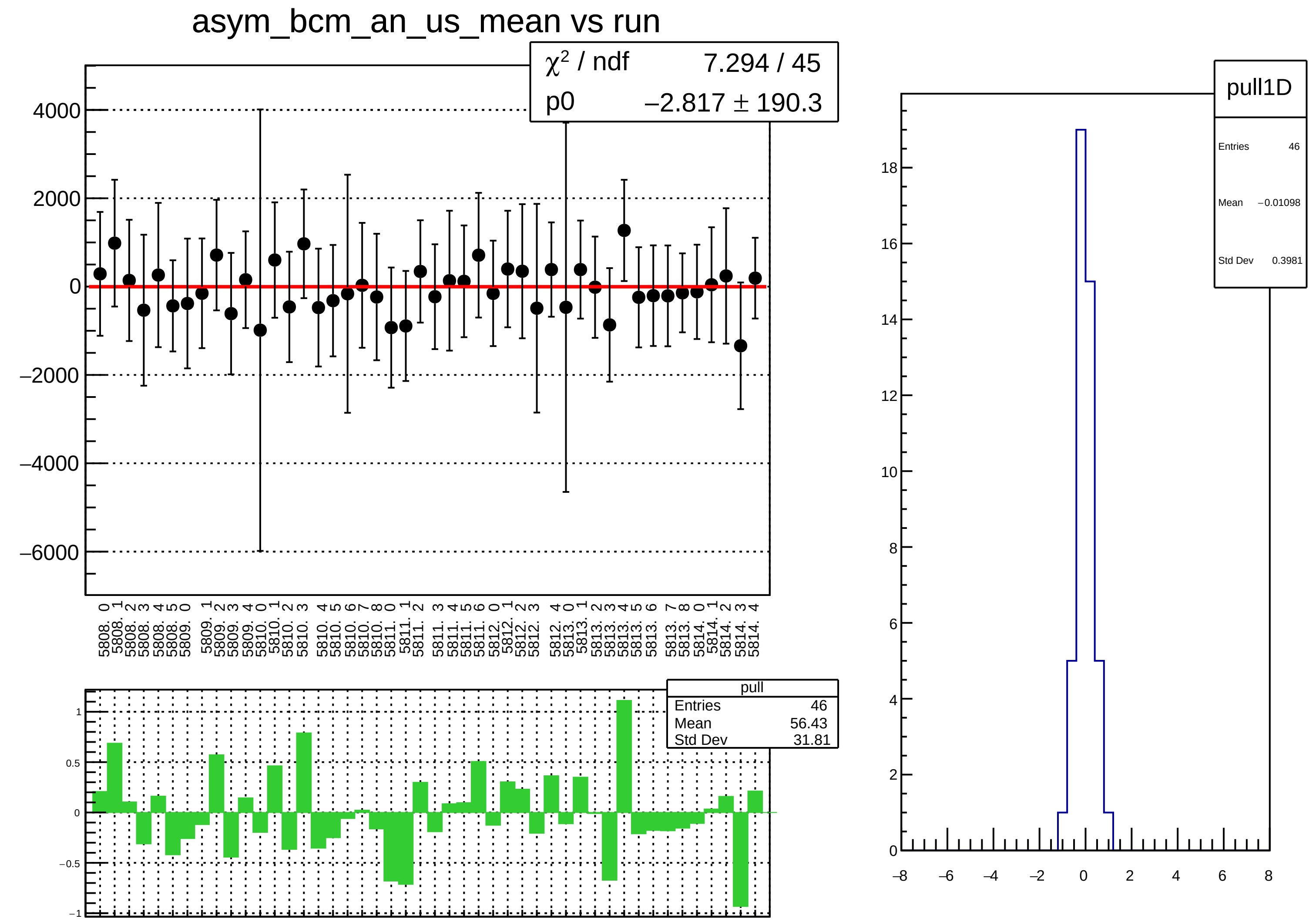
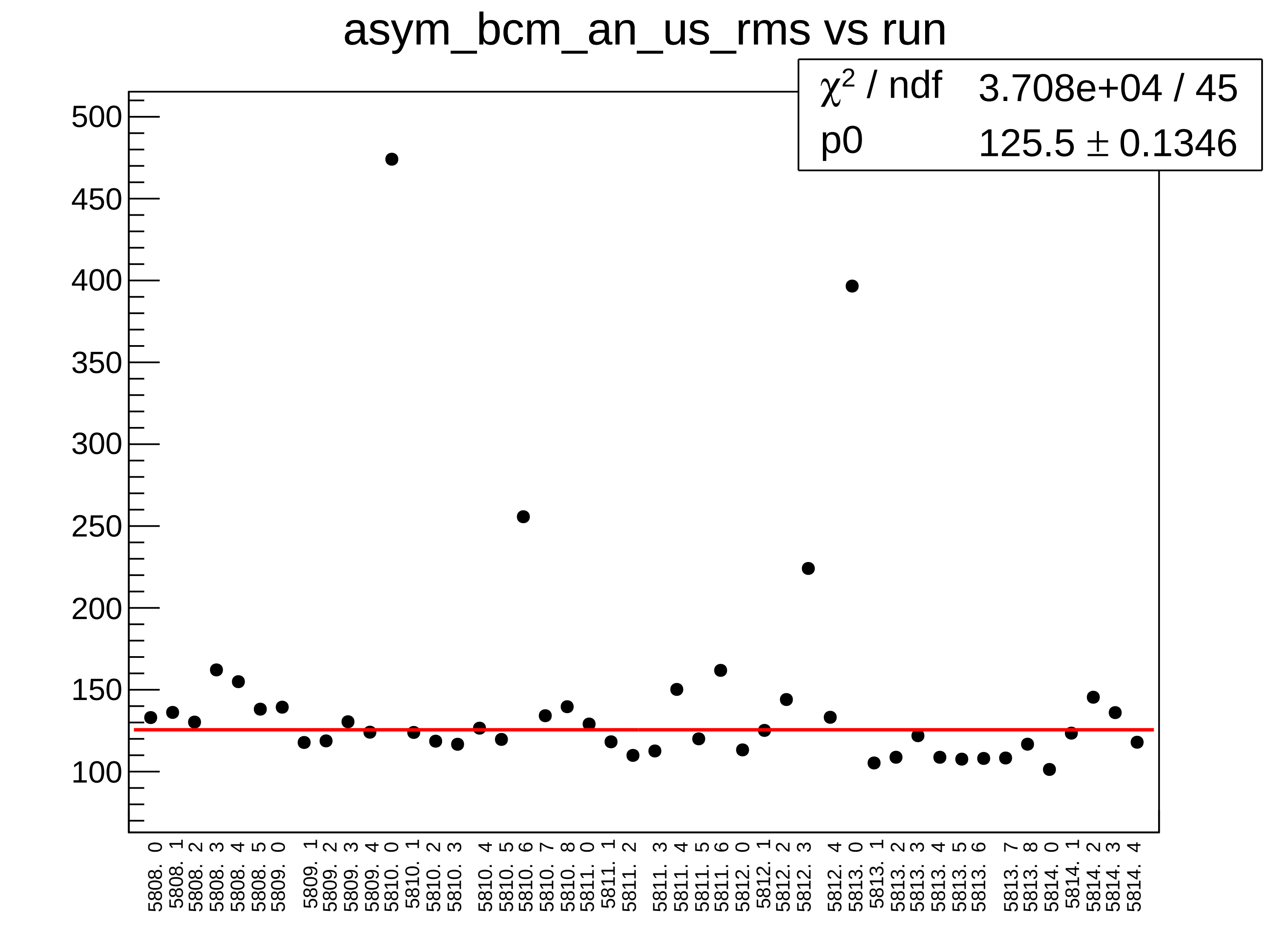
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_bcm_an_us_mean vs run
χ² / ndf 7.294 / 45
p0 −2.817 ± 190.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 46
Mean 56.43
Std Dev 31.81
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.01098
Std Dev 0.3981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_bcm_an_us_rms vs run
χ2 / ndf 3.708e+04 / 45
p0 125.5 ± 0.1346
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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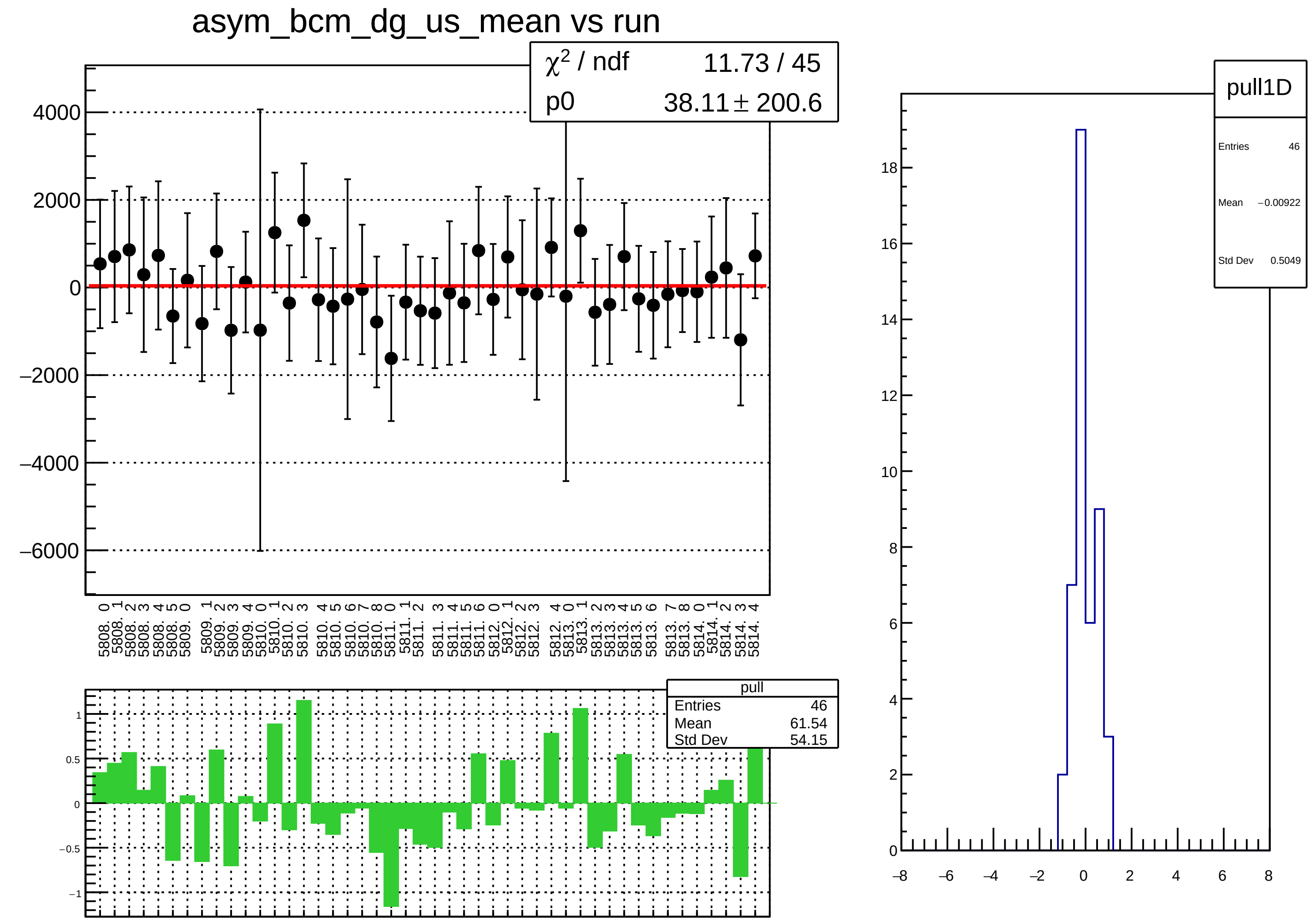
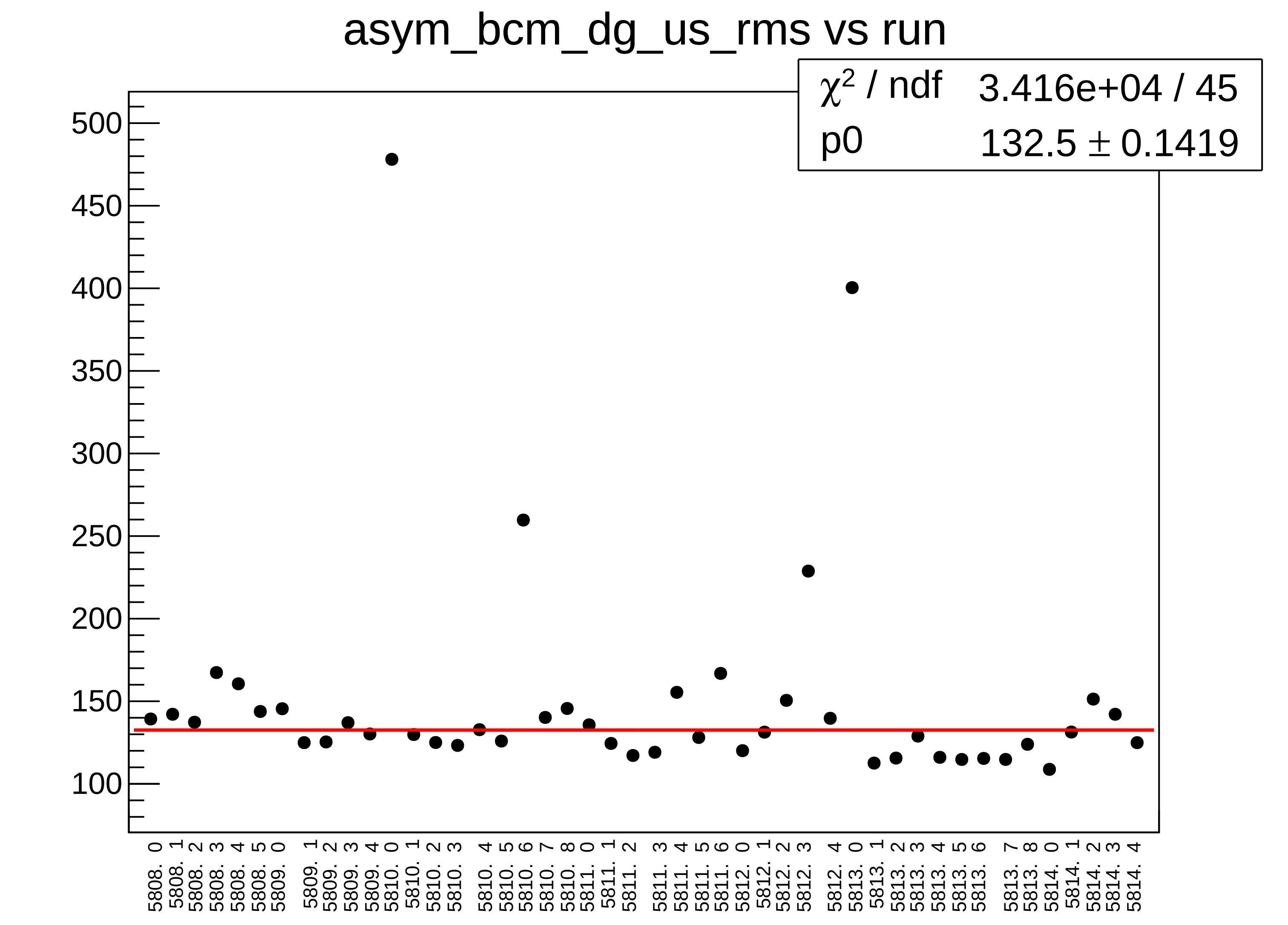
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_bcm_dg_us_mean vs run
χ^2 / ndf 11.73 / 45
p0 38.11 ± 200.6
pull
Entries 46
Mean 61.54
Std Dev 54.15
pull1D
Entries 46
Mean −0.00922
Std Dev 0.5049


asym_bcm_dg_us_rms vs run
χ^2 / ndf 3.416e+04 / 45
p0 132.5 ± 0.1419
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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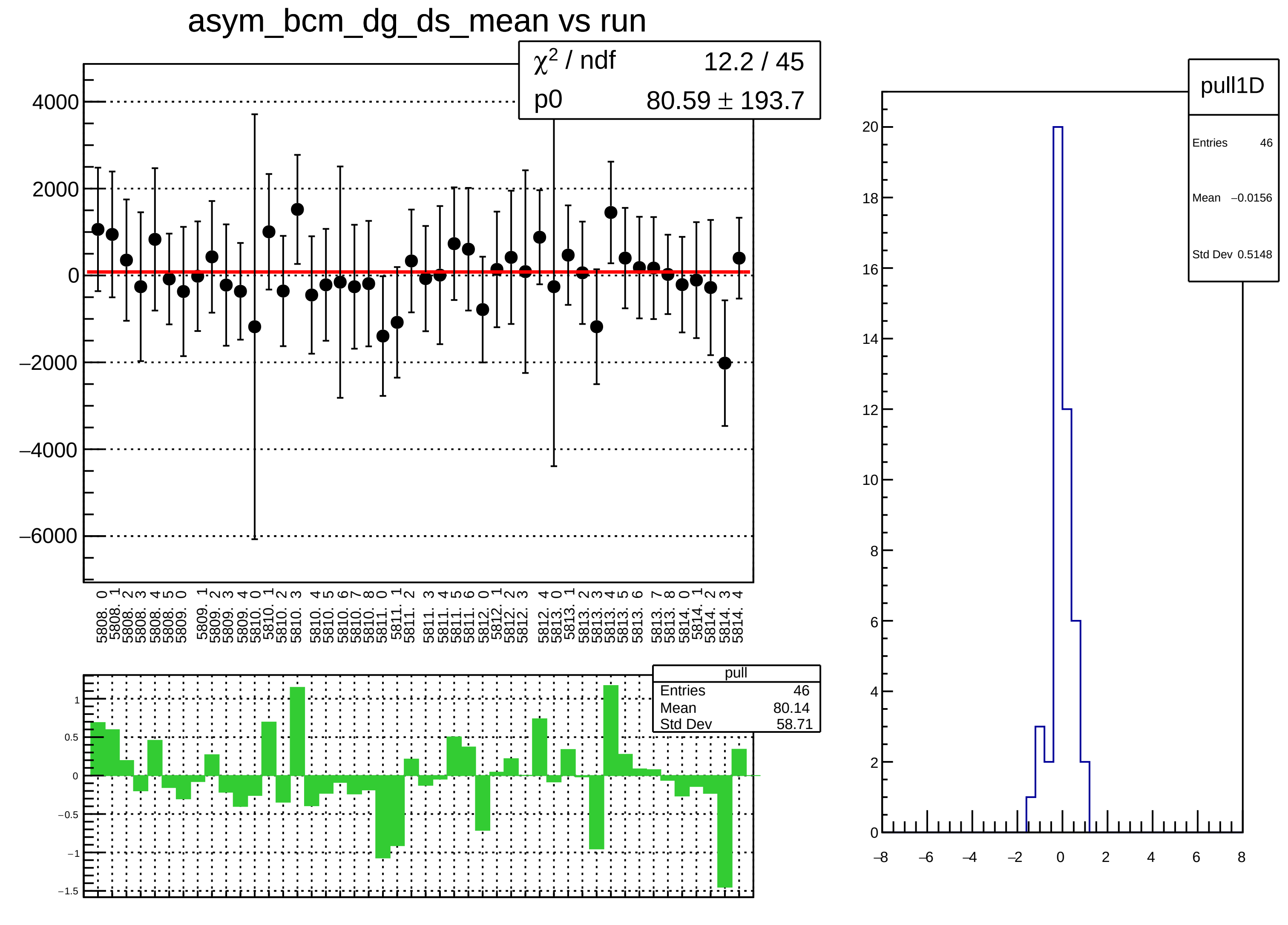
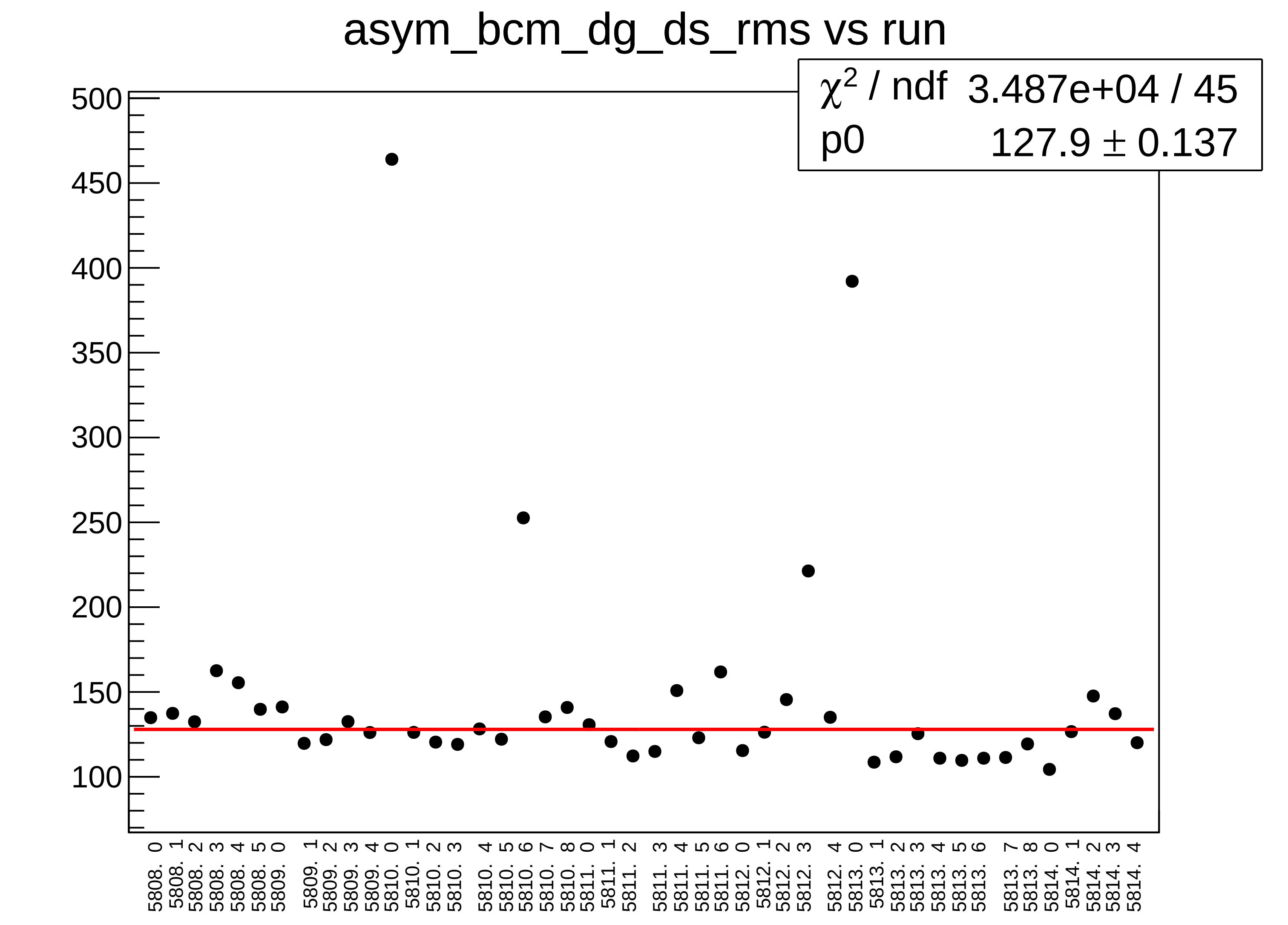
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_bcm_dg_ds_mean vs run
χ2 / ndf 12.2 / 45
p0 80.59 ± 193.7
pull
Entries 46
Mean 80.14
Std Dev 58.71
pull1D
Entries 46
Mean −0.0156
Std Dev 0.5148



asym_bcm_dg_ds_rms vs run
χ^2 / ndf 3.487e+04 / 45
p0 127.9 ± 0.137
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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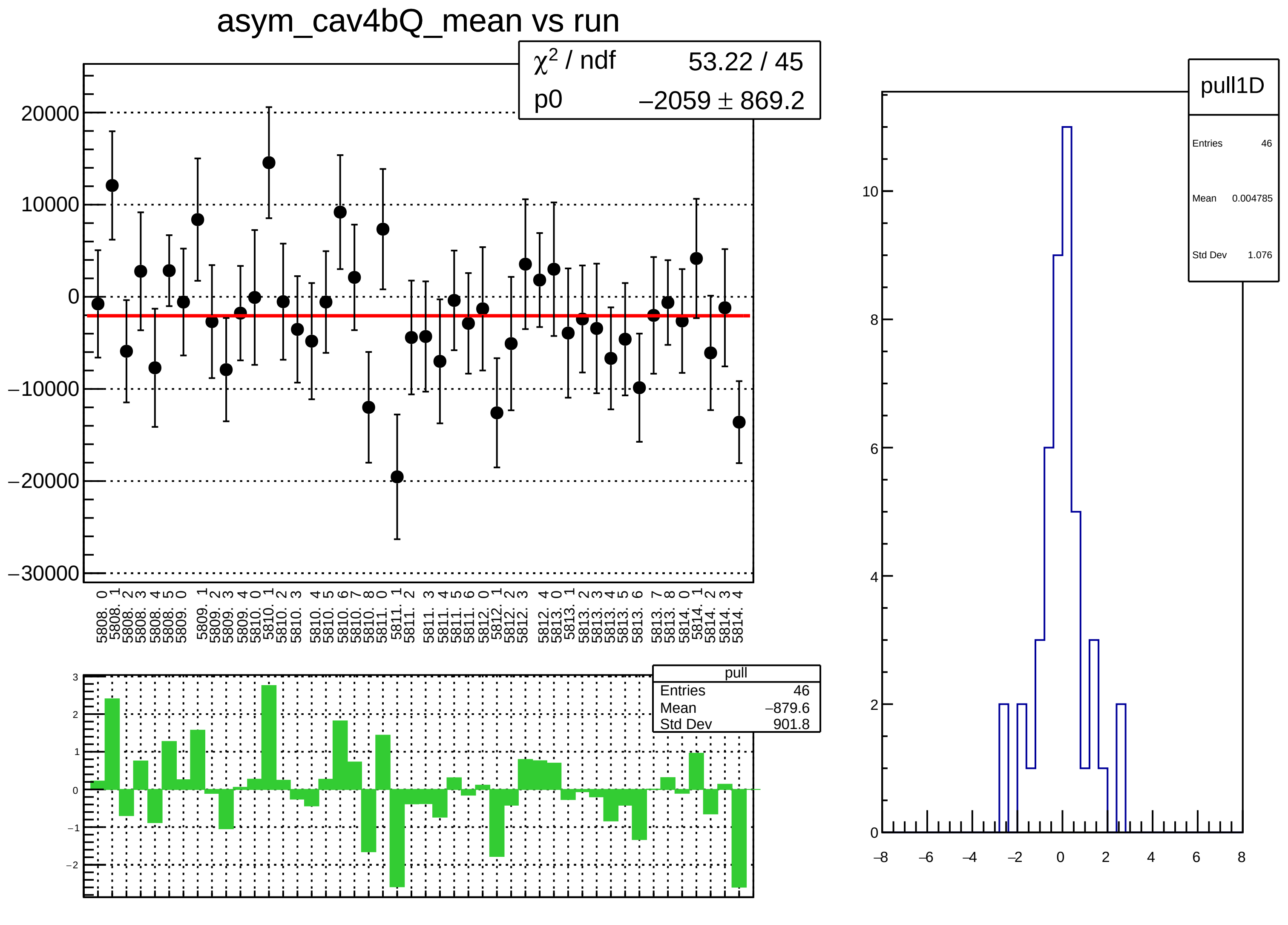
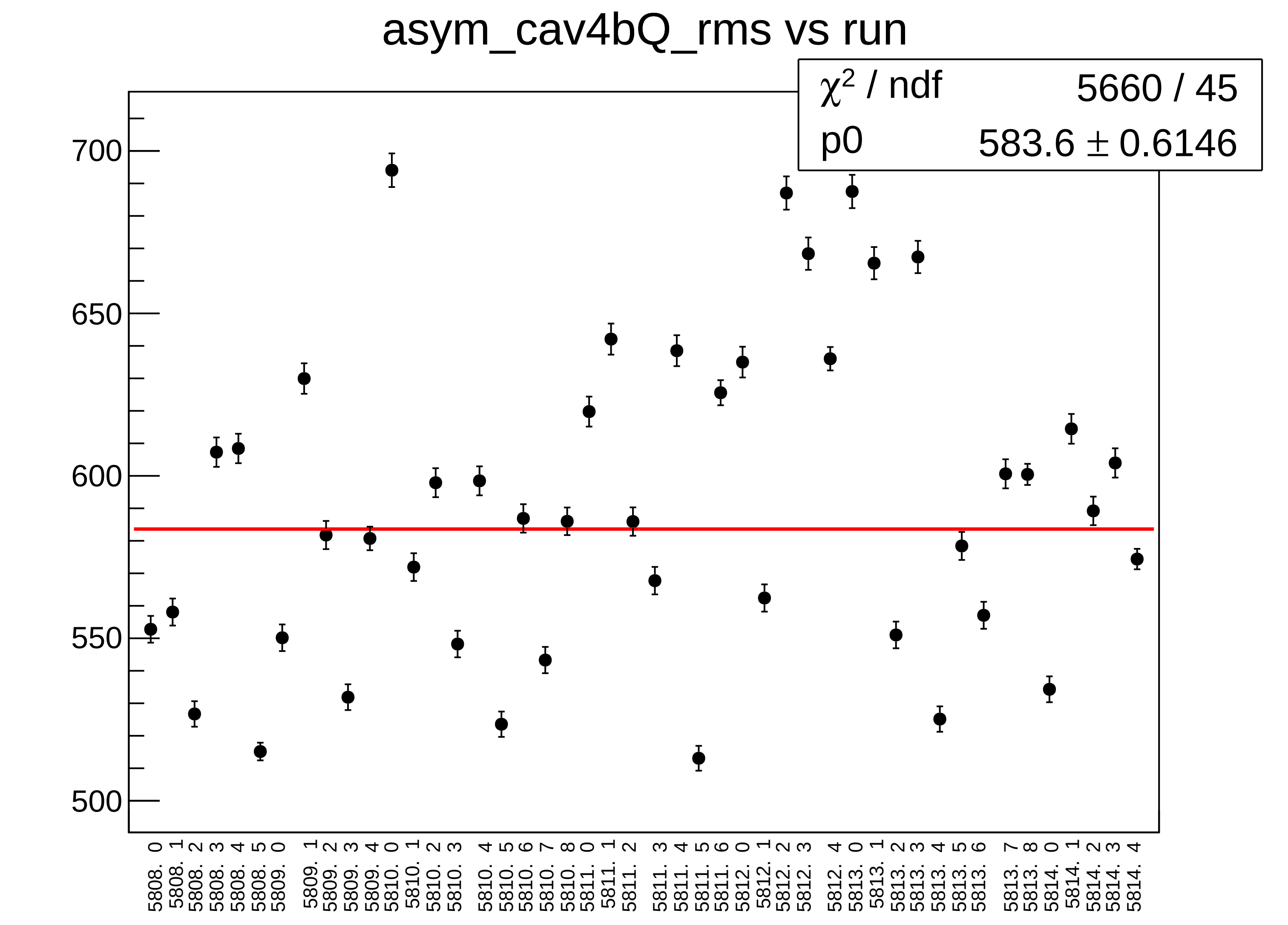
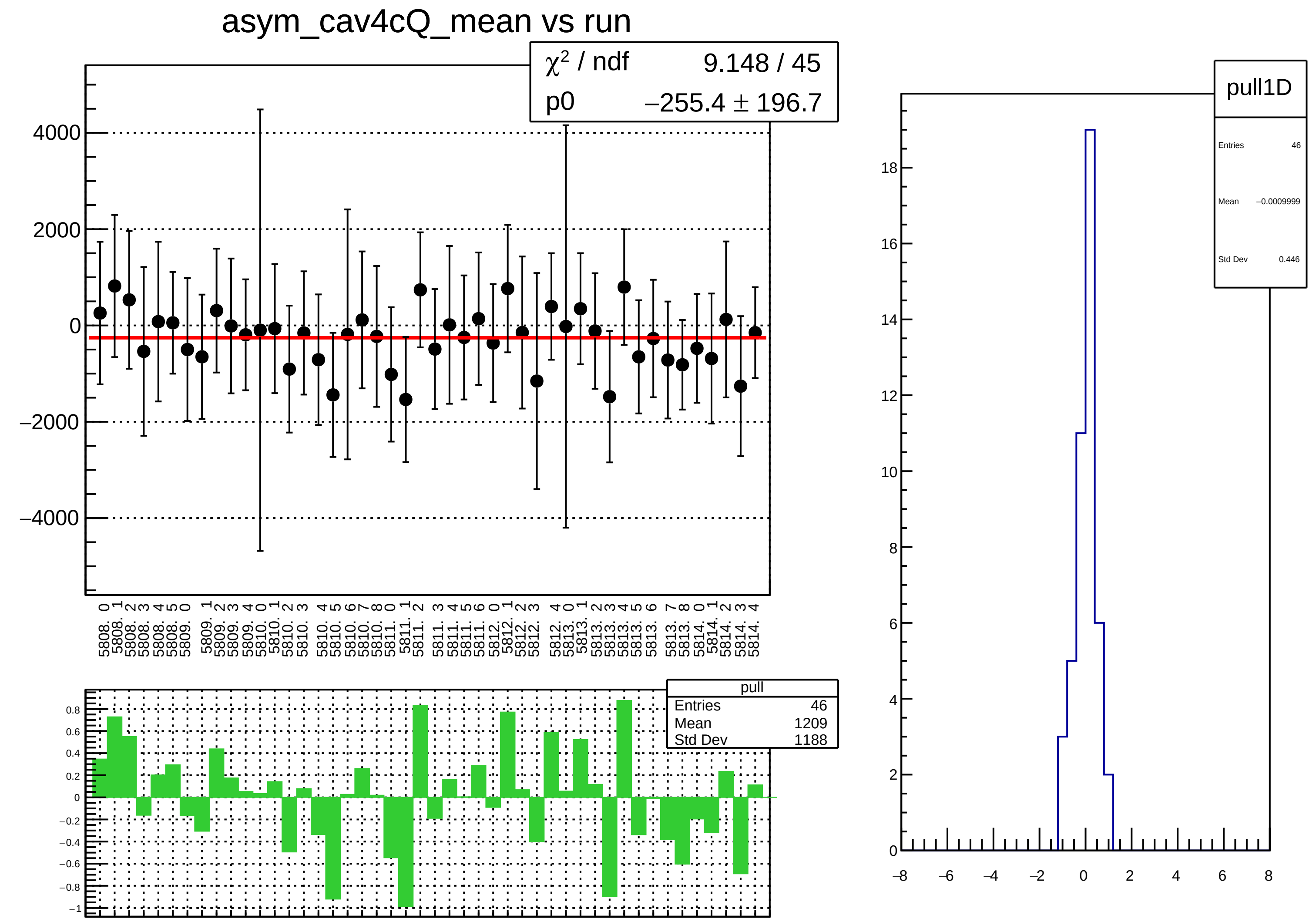
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

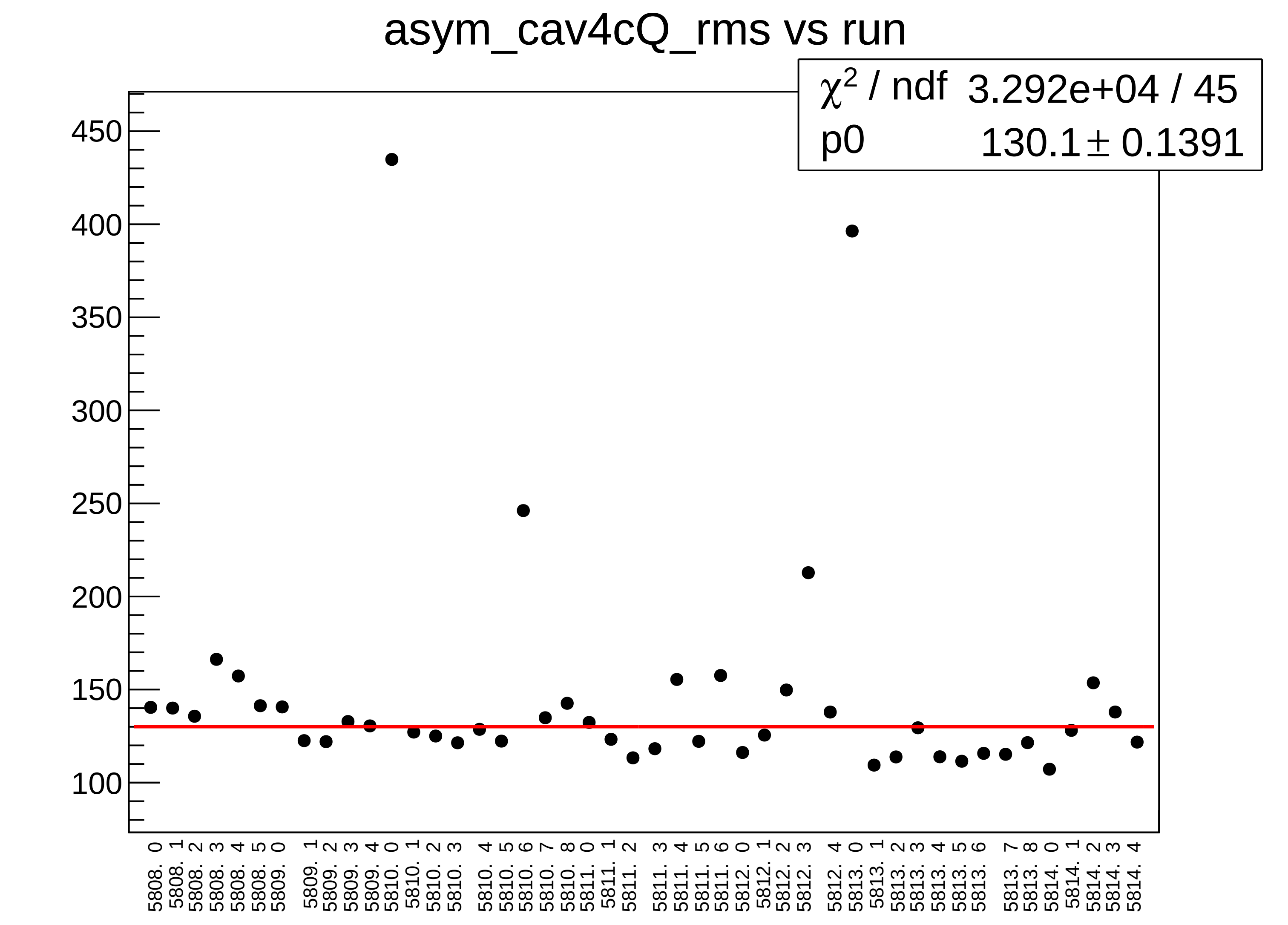


asym_cav4bQ_mean vs run
χ^2 / ndf 53.22 / 45
p0 −2059 ± 869.2
pull
Entries 46
Mean −879.6
Std Dev 901.8
pull1D
Entries 46
Mean 0.004785
Std Dev 1.076


asym_cav4bQ_rms vs run
χ2 / ndf 5660 / 45
p0 583.6 ± 0.6146
700
650
600
550
500
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
5813.1
5813.2
5813.3
5813.4
5813.5
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4



asym_cav4cQ_mean vs run
χ^2 / ndf 9.148 / 45
p0 −255.4 ± 196.7
pull
Entries 46
Mean 1209
Std Dev 1188
pull1D
Entries 46
Mean −0.0009999
Std Dev 0.446



asym_cav4cQ_rms vs run
χ^2 / ndf 3.292e+04 / 45
p0 130.1 ± 0.1391
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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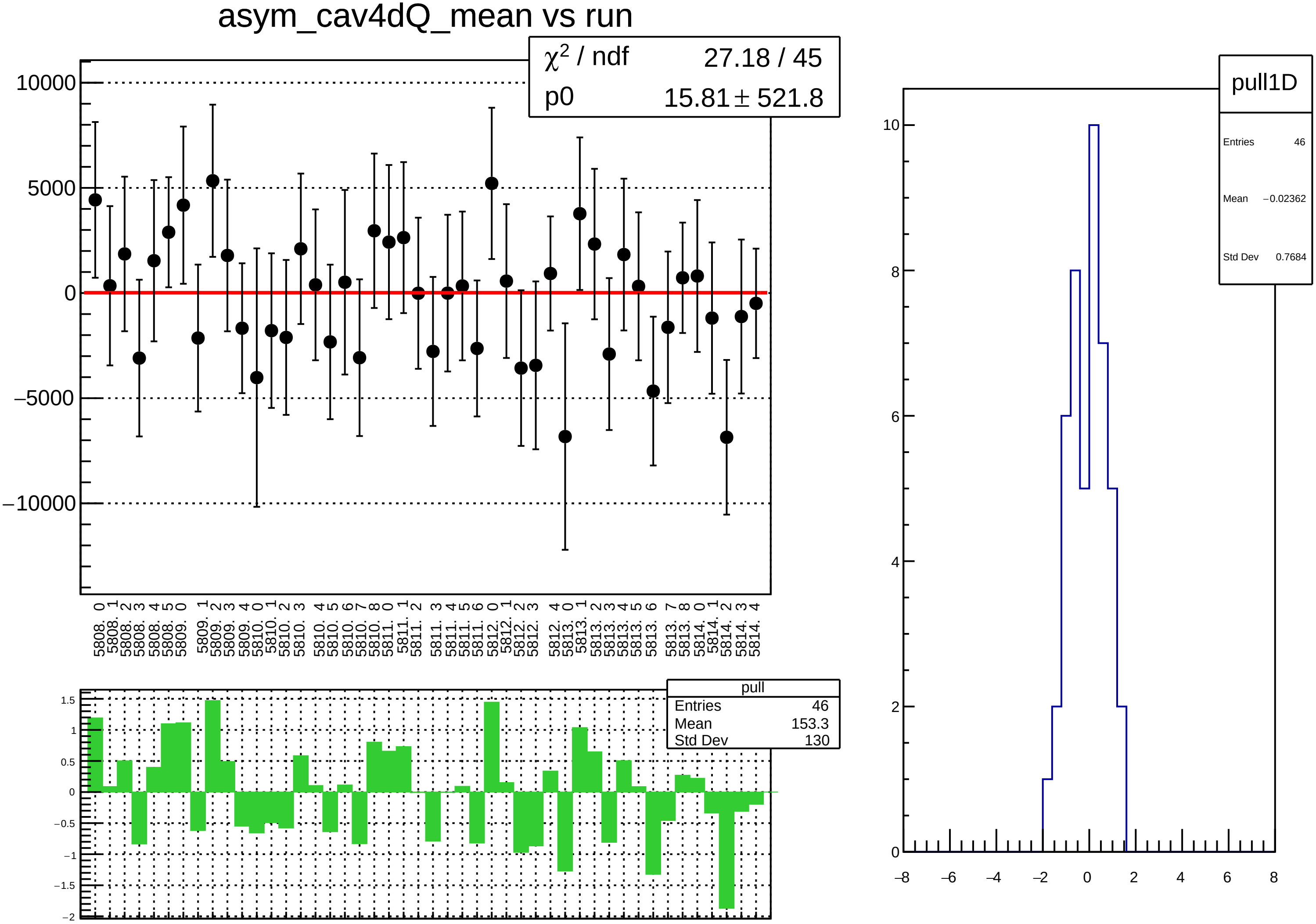
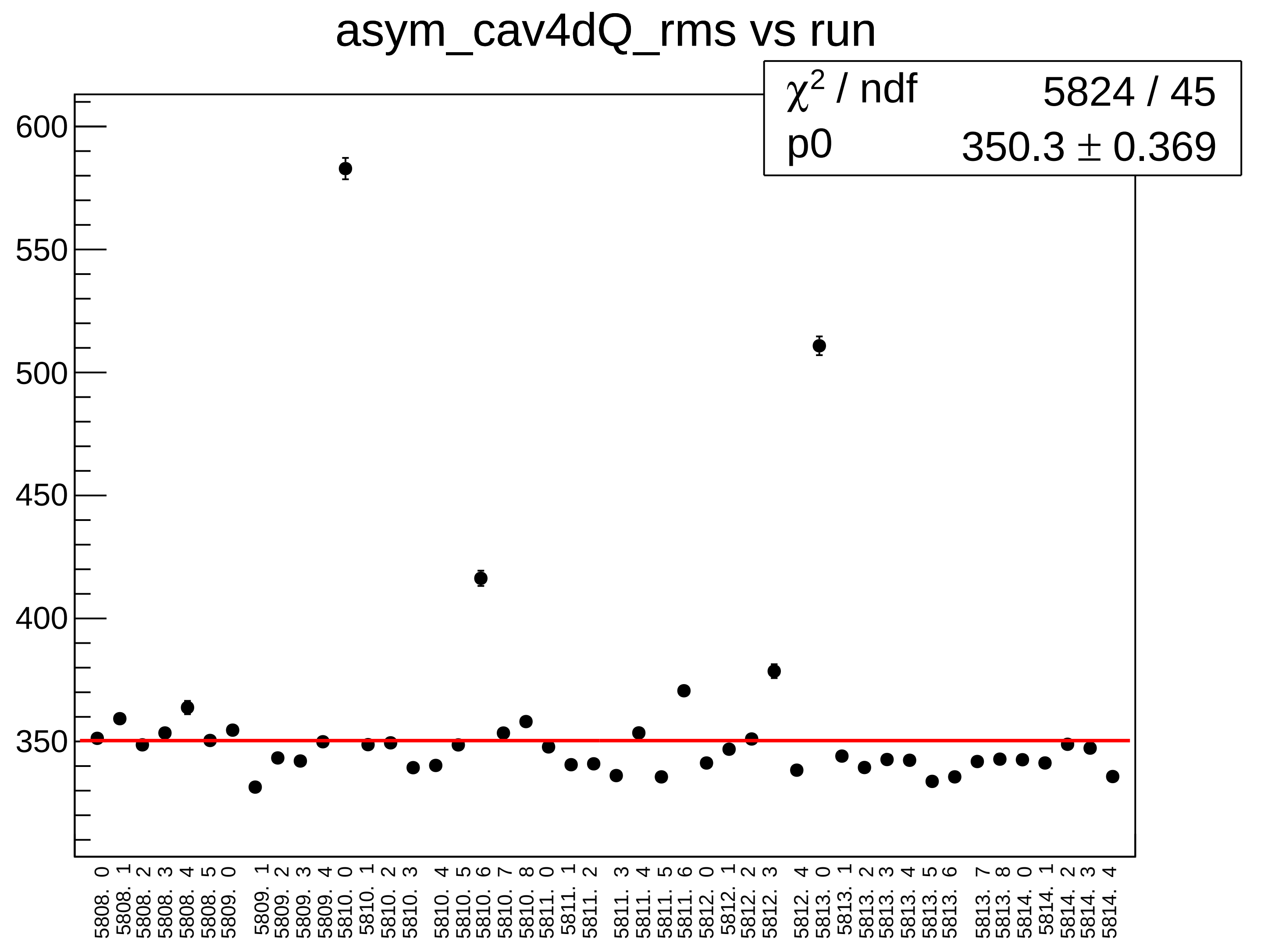
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_cav4dQ_mean vs run
χ^2 / ndf 27.18 / 45
p0 15.81 ± 521.8
pull
Entries 46
Mean 153.3
Std Dev 130
pull1D
Entries 46
Mean −0.02362
Std Dev 0.7684



asym_cav4dQ_rms vs run
χ2 / ndf 5824 / 45
p0 350.3 ± 0.369
600
550
500
450
400
350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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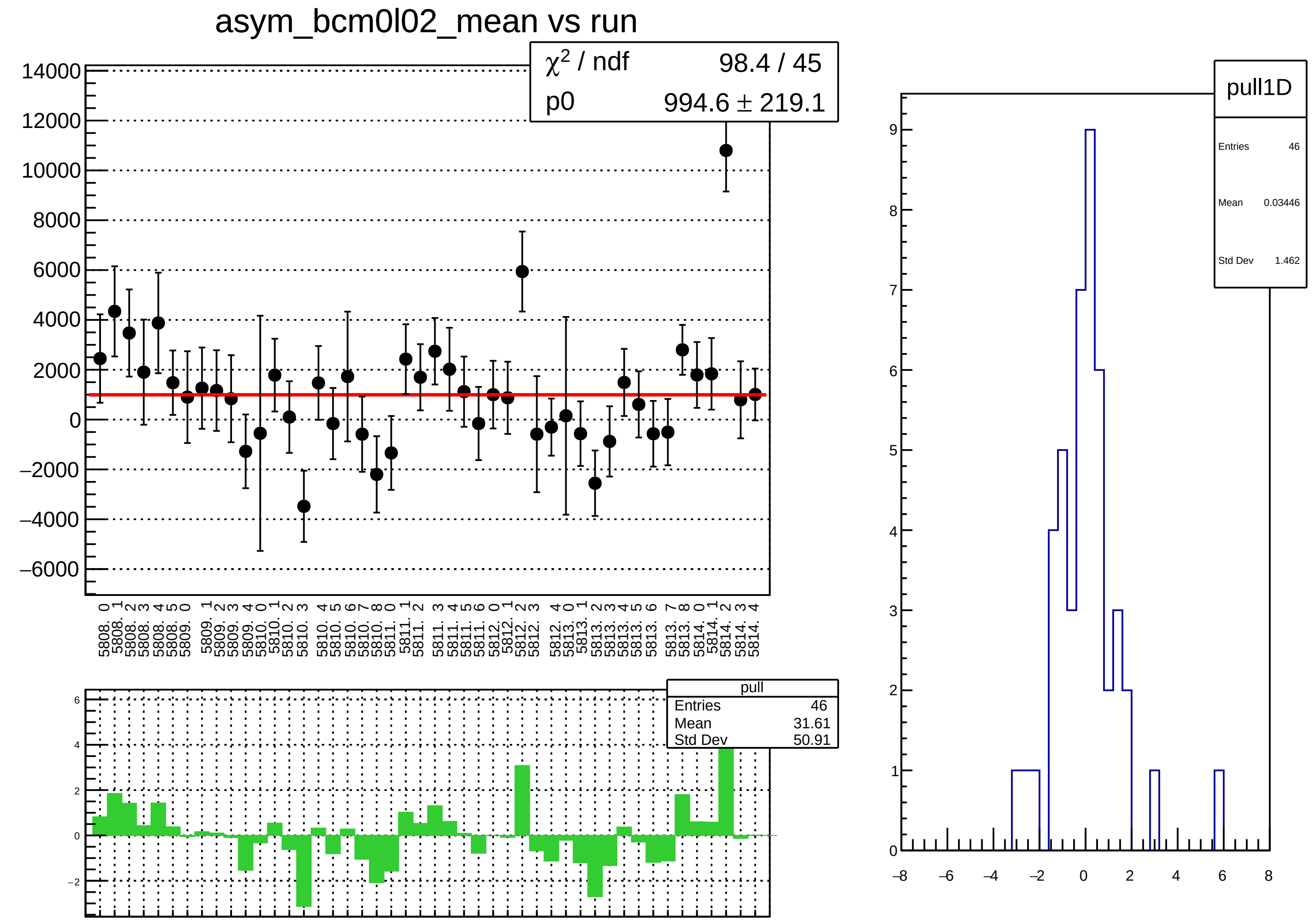
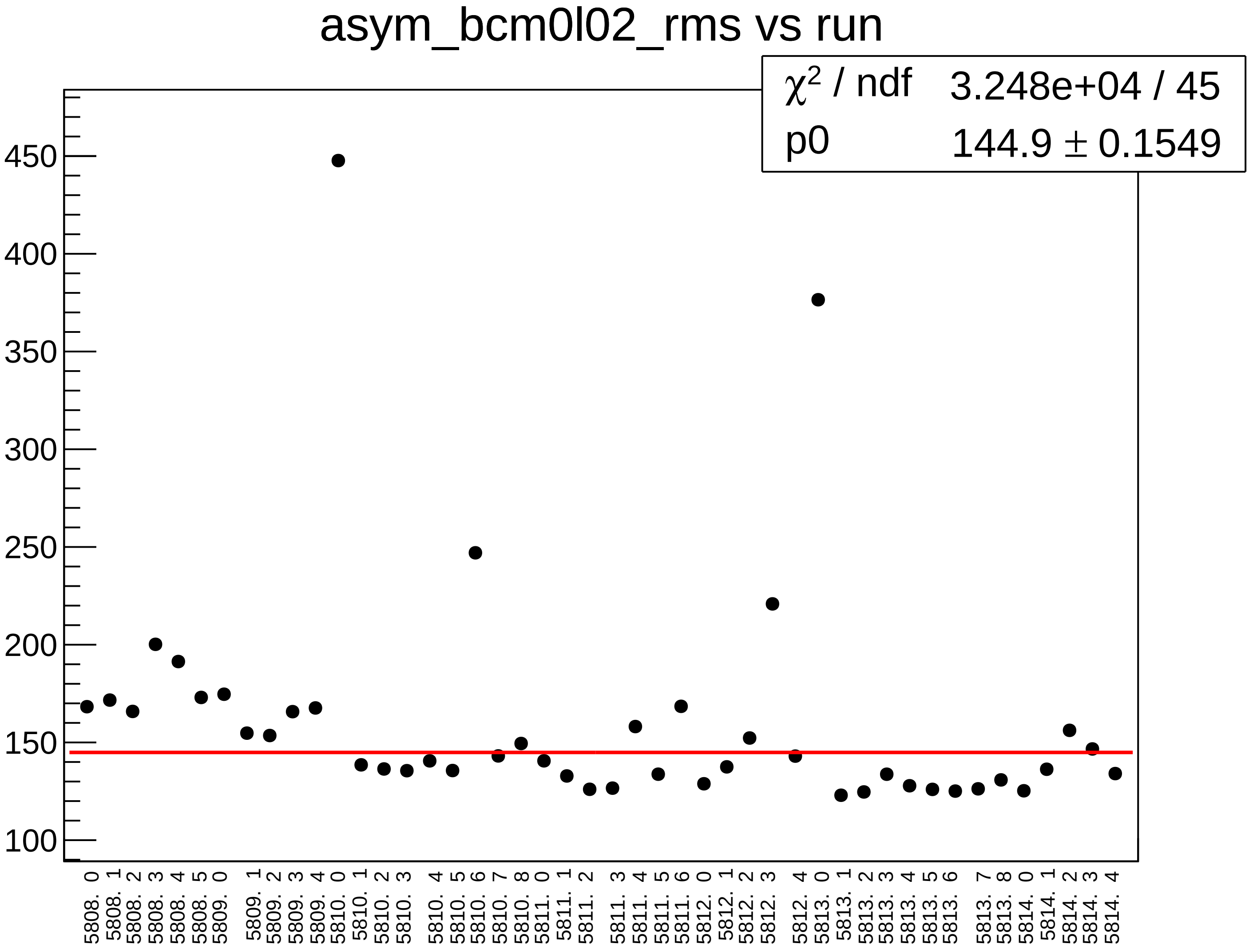
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_bcm0l02_mean vs run
χ^2 / ndf 98.4 / 45
p0 994.6 ± 219.1
pull
Entries 46
Mean 31.61
Std Dev 50.91
pull1D
Entries 46
Mean 0.03446
Std Dev 1.462



asym_bcm0l02_rms vs run
χ^2 / ndf 3.248e+04 / 45
p0 144.9 ± 0.1549
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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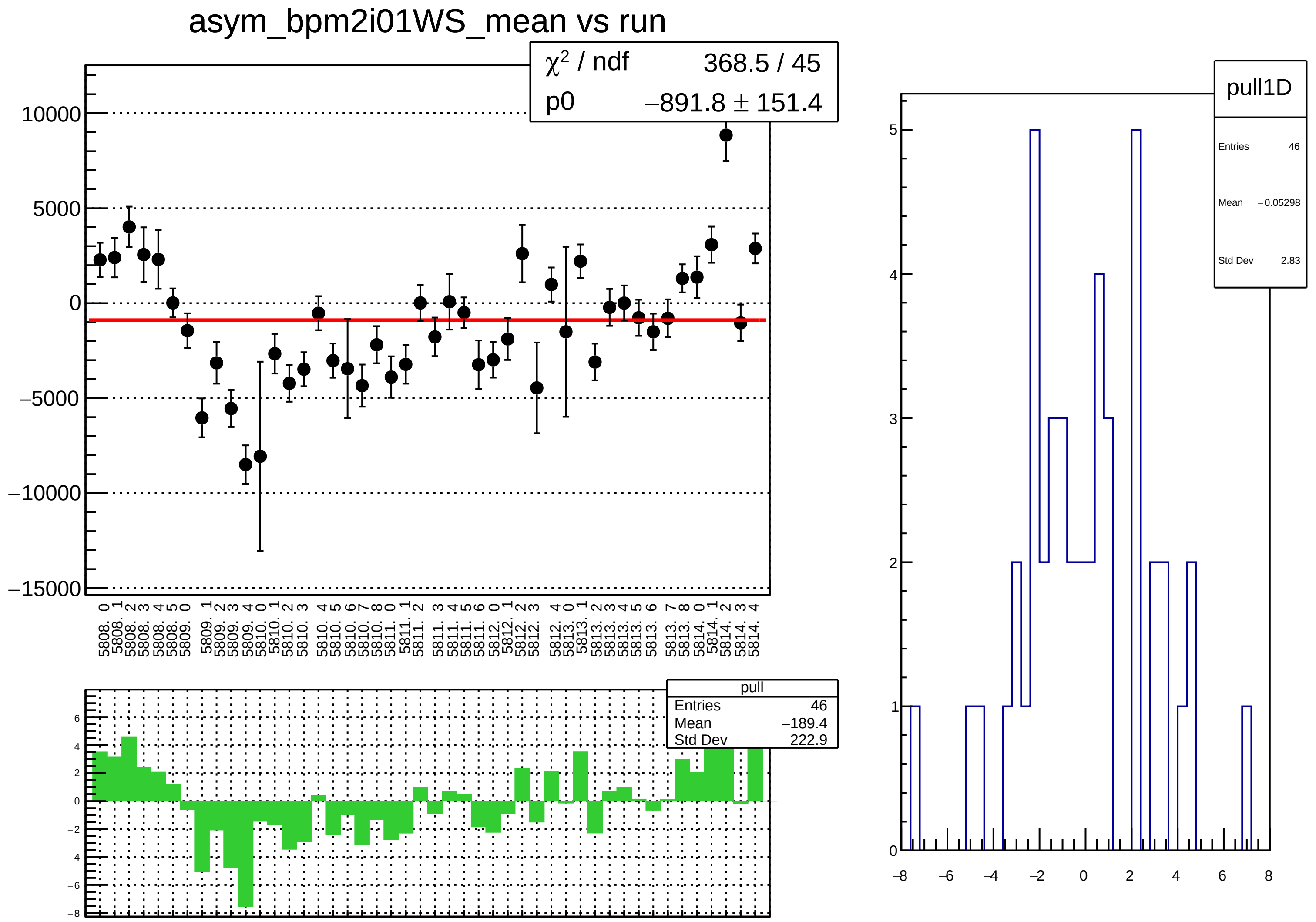
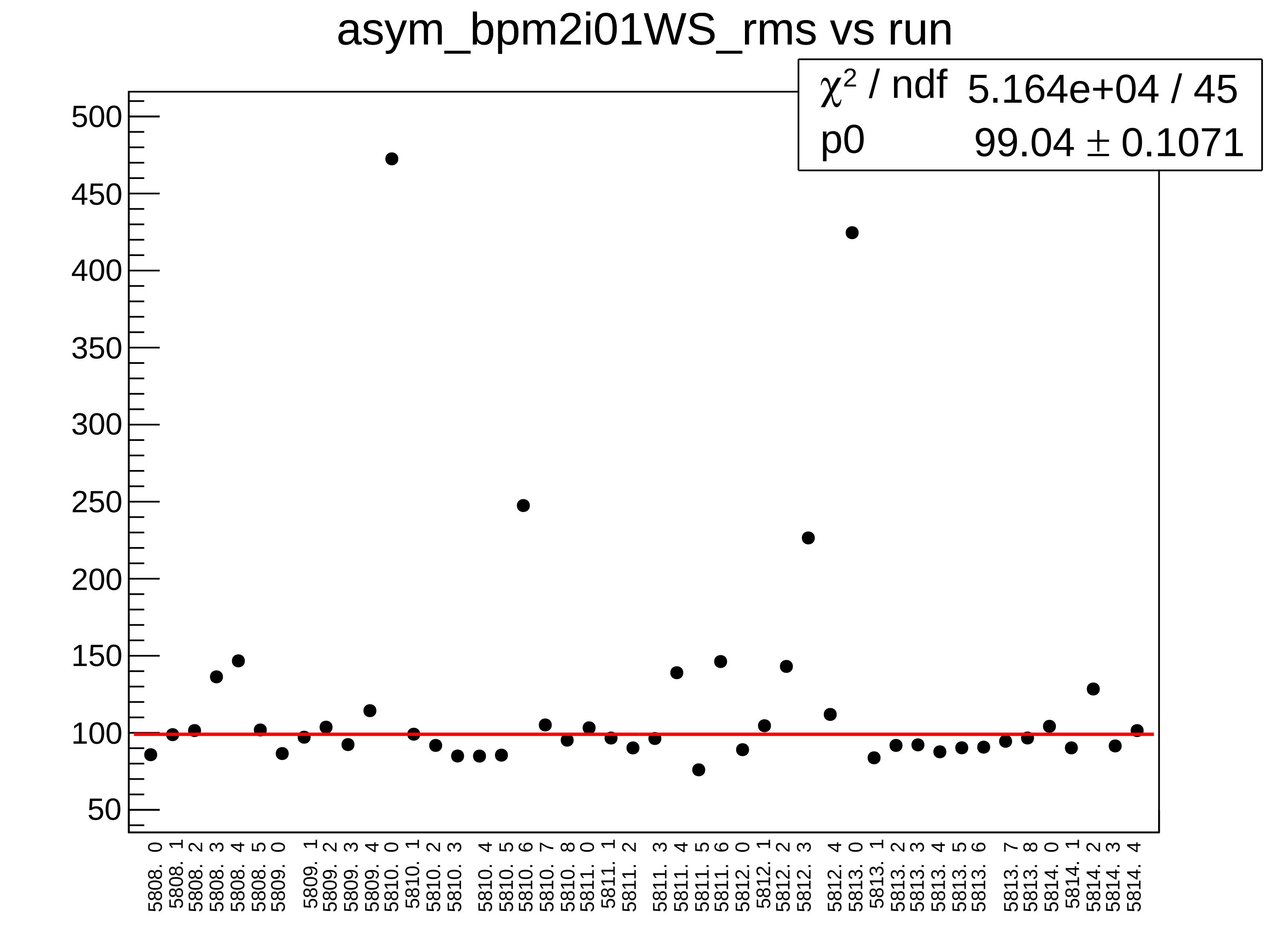
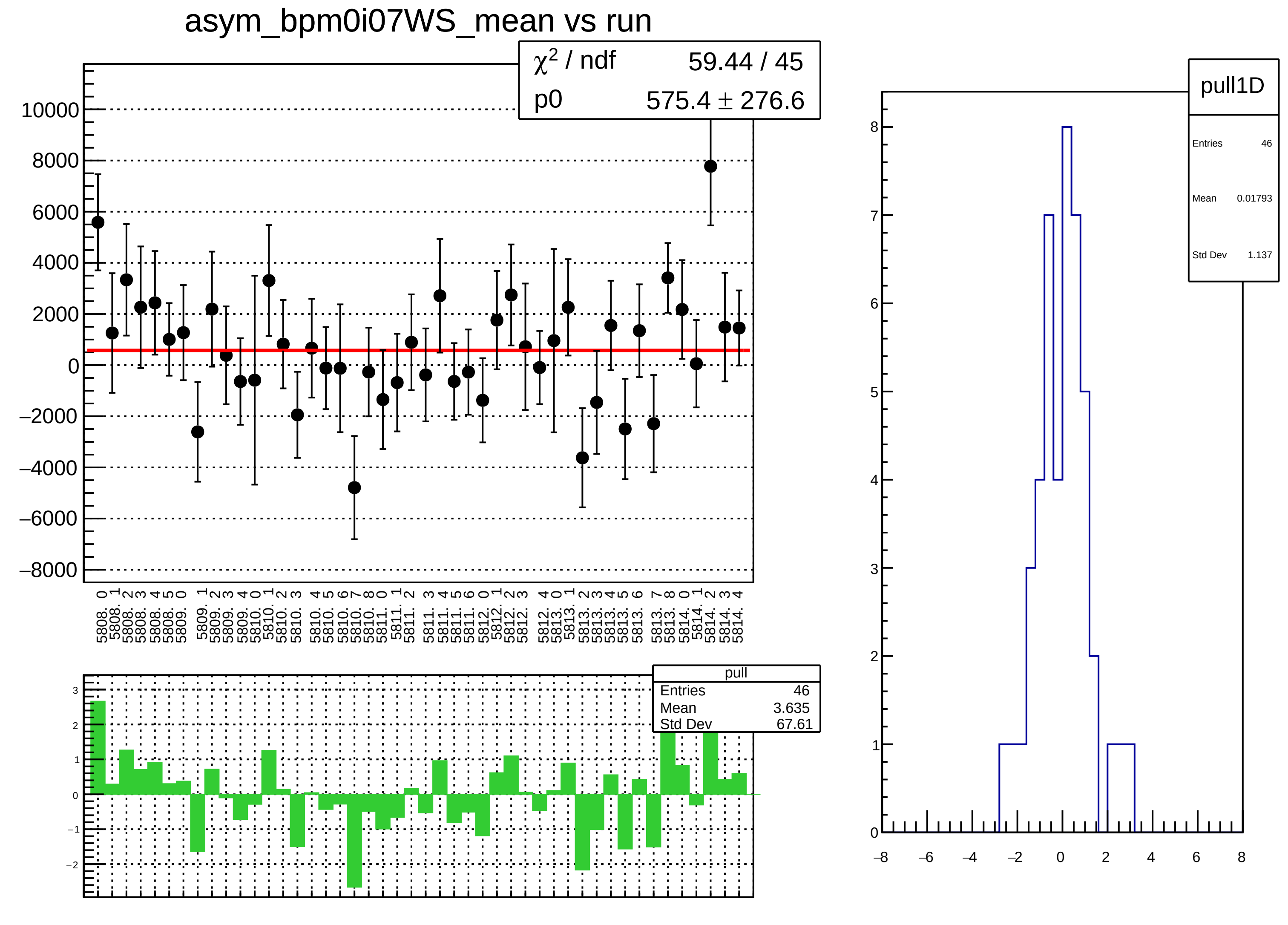
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

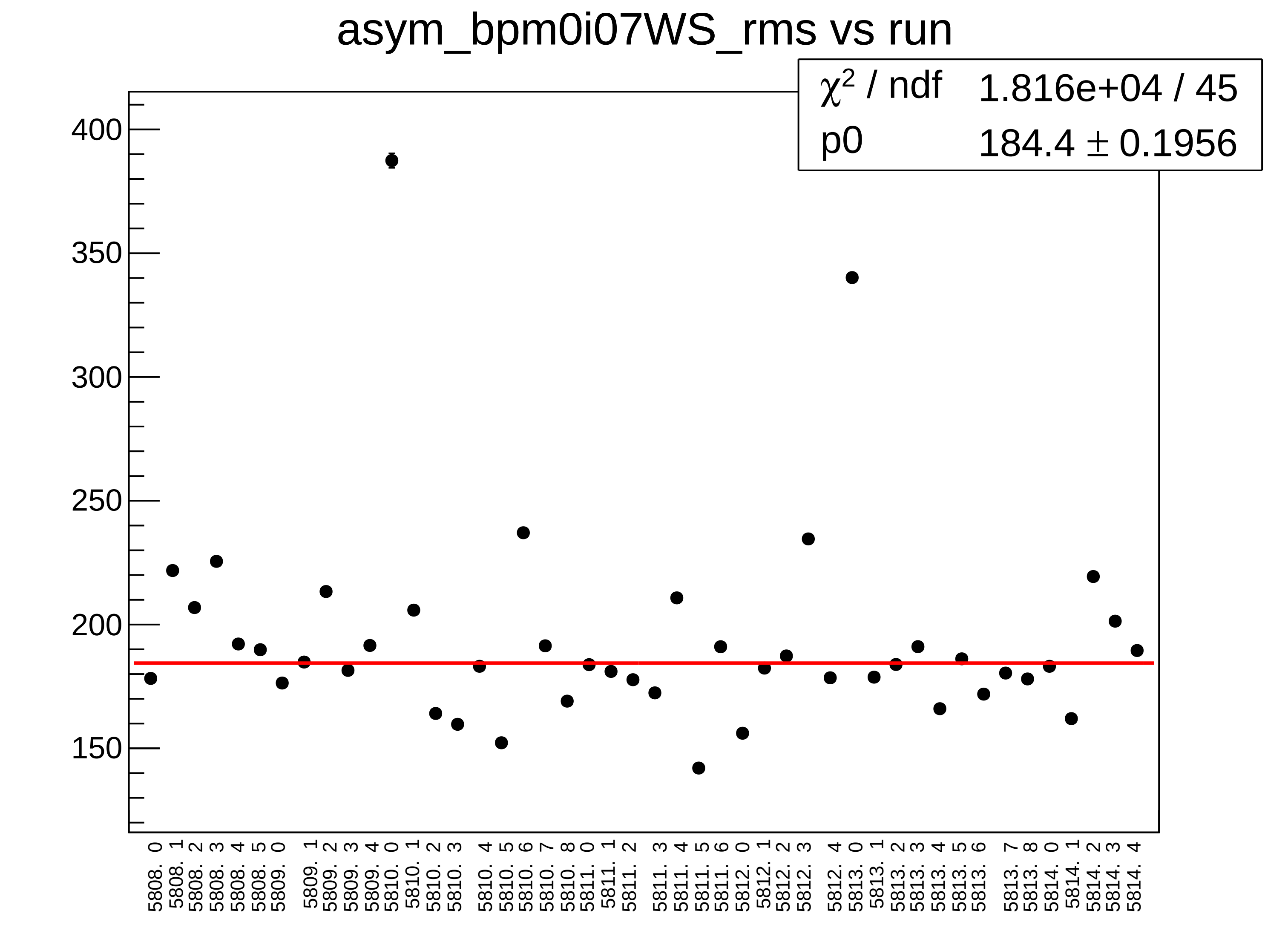

asym_bpm2i01WS_mean vs run
χ2 / ndf 368.5 / 45
p0 −891.8 ± 151.4
pull
Entries 46
Mean −189.4
Std Dev 222.9
pull1D
Entries 46
Mean −0.05298
Std Dev 2.83



asym_bpm2i01WS_rms vs run
χ^2 / ndf 5.164e+04 / 45
p0 99.04 ± 0.1071
500
450
400
350
300
250
200
150
100
50



asym_bpm0i07WS_mean vs run
χ^2 / ndf 59.44 / 45
p0 575.4 ± 276.6
pull
Entries 46
Mean 3.635
Std Dev 67.61
pull1D
Entries 46
Mean 0.01793
Std Dev 1.137


asym_bpm0i07WS_rms vs run
χ^2 / ndf 1.816e+04 / 45
p0 184.4 ± 0.1956
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
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5813. 8
5814. 0
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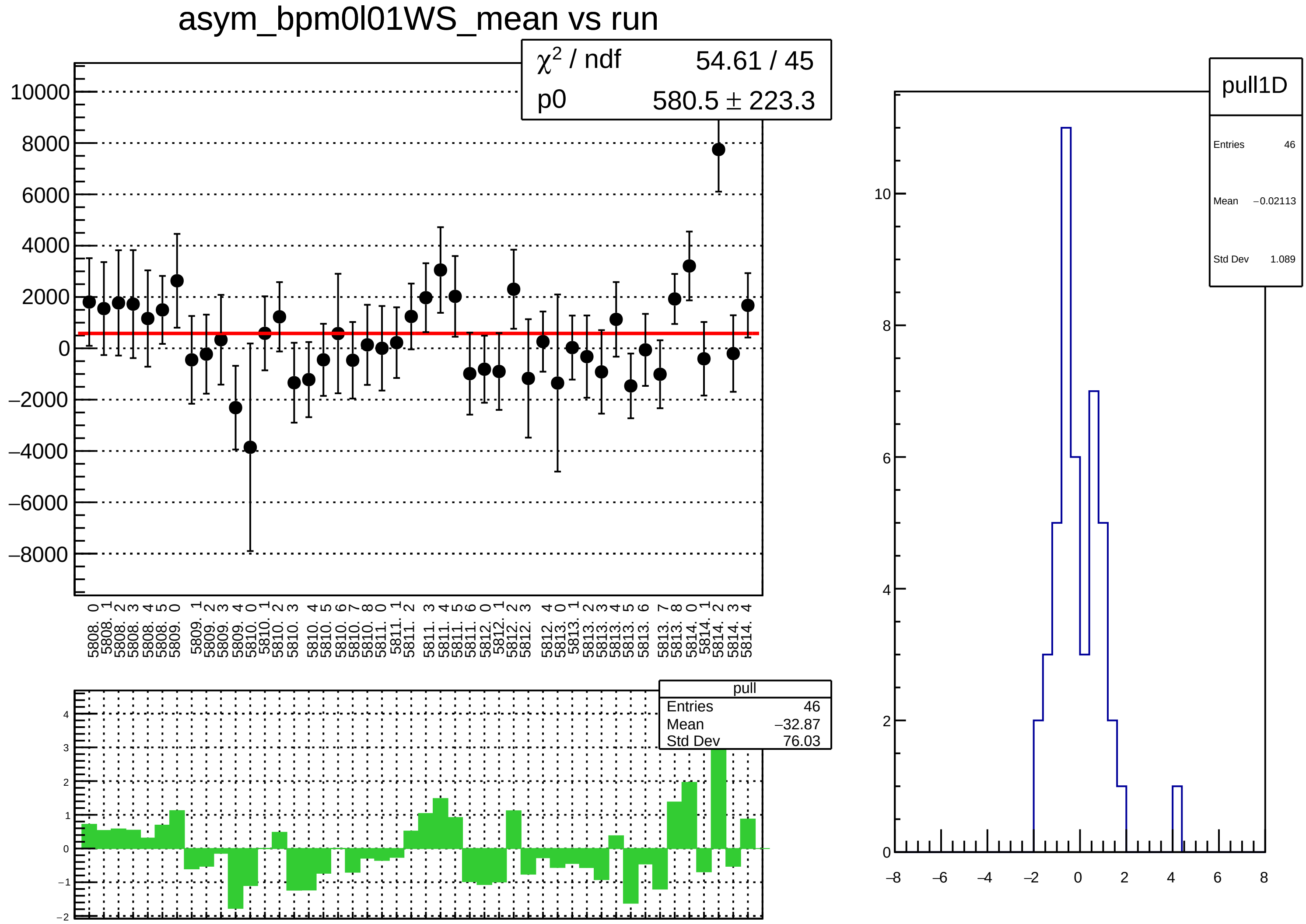
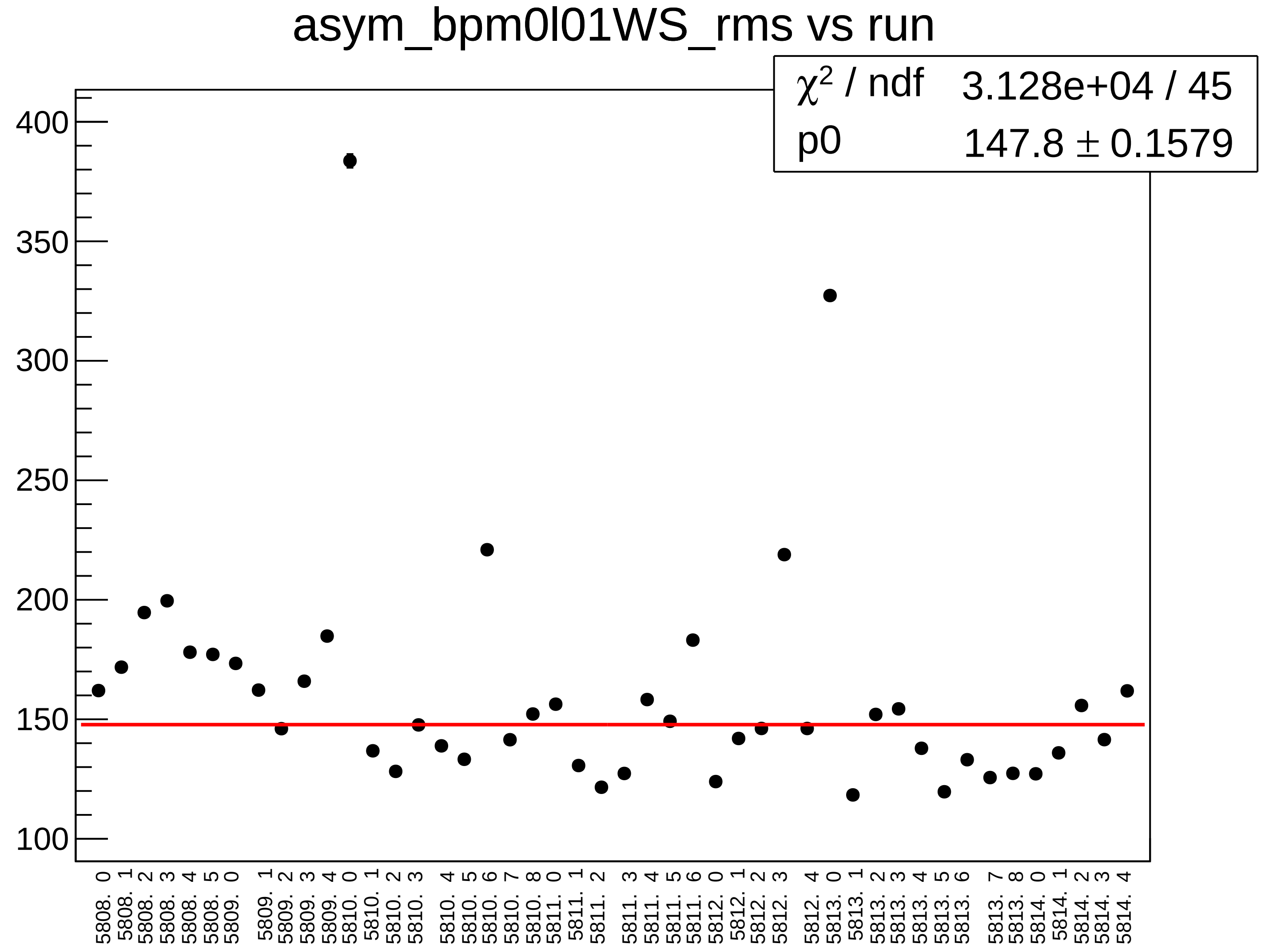
5814. 2
5814. 3
5814. 4


asym_bpm0l01WS_mean vs run
χ^2 / ndf 54.61 / 45
p0 580.5 ± 223.3
pull
Entries 46
Mean −32.87
Std Dev 76.03
pull1D
Entries 46
Mean −0.02113
Std Dev 1.089



asym_bpm0l01WS_rms vs run
χ^2 / ndf 3.128e+04 / 45
p0 147.8 ± 0.1579
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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5813. 8
5814. 0
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5814. 2
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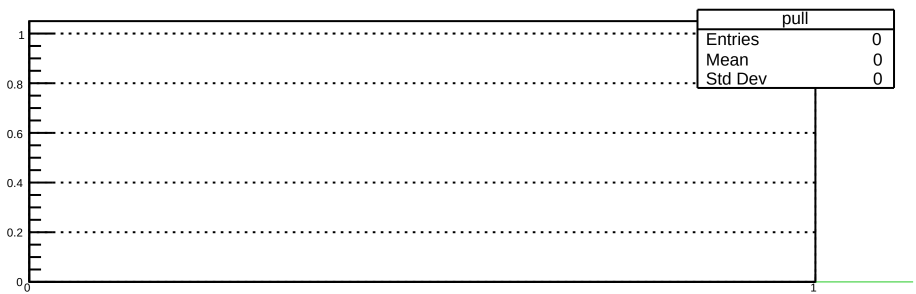
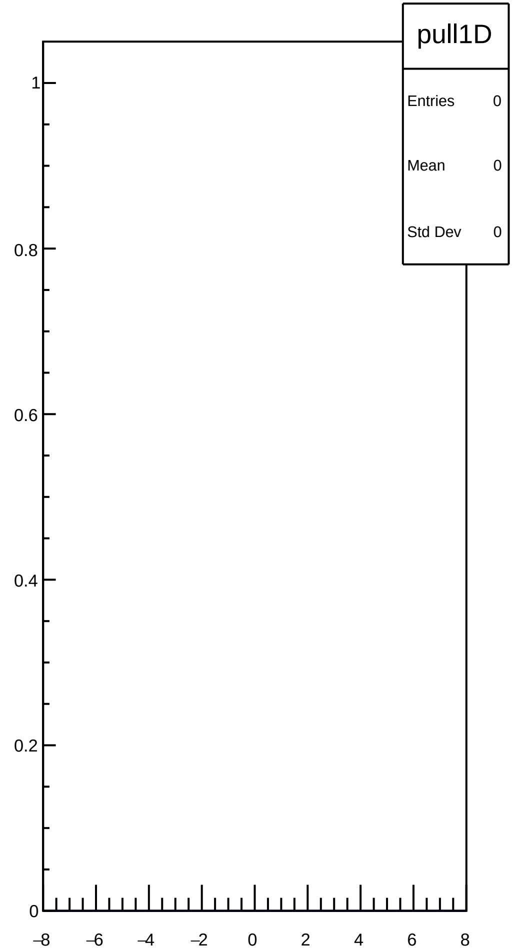
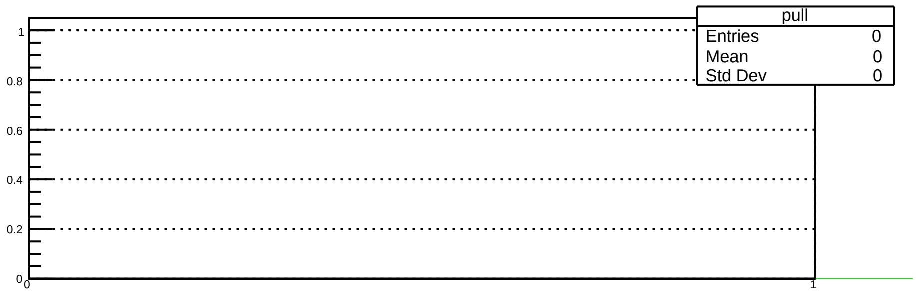
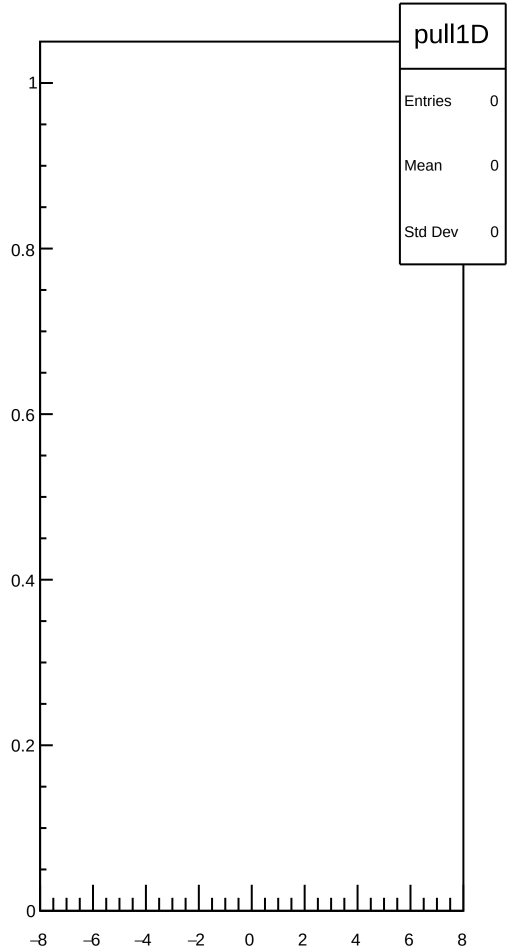
5814. 4


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

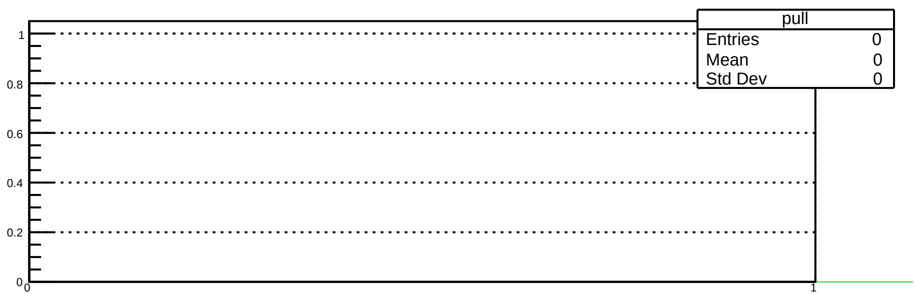
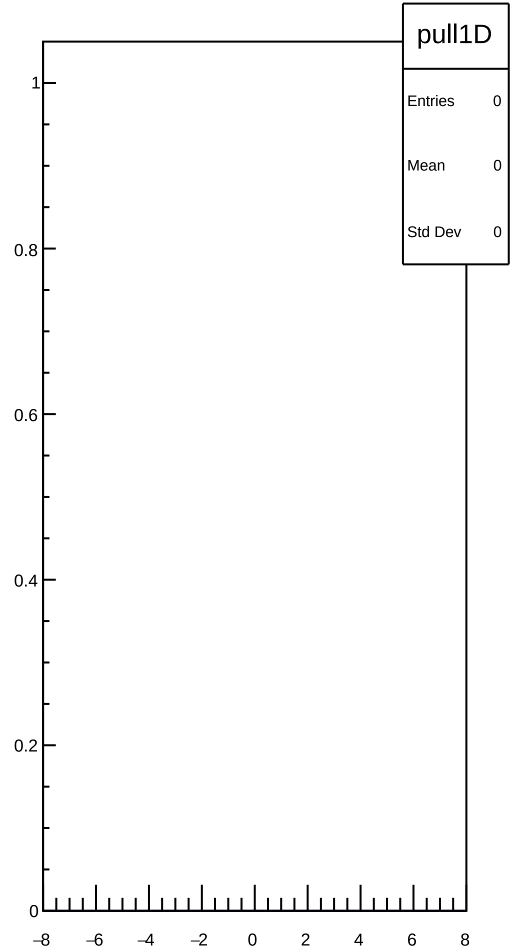

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

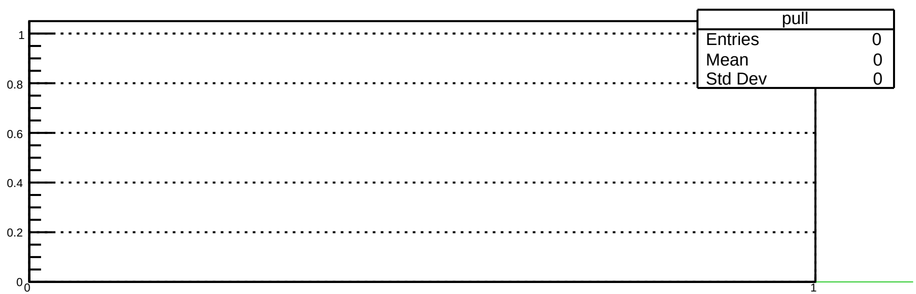


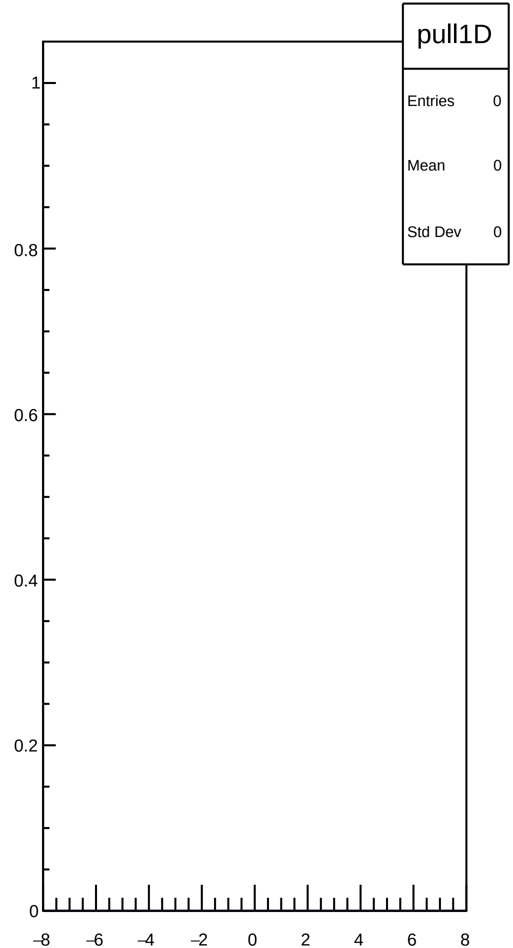
pull
Entries 0
Mean 0
Std Dev 0

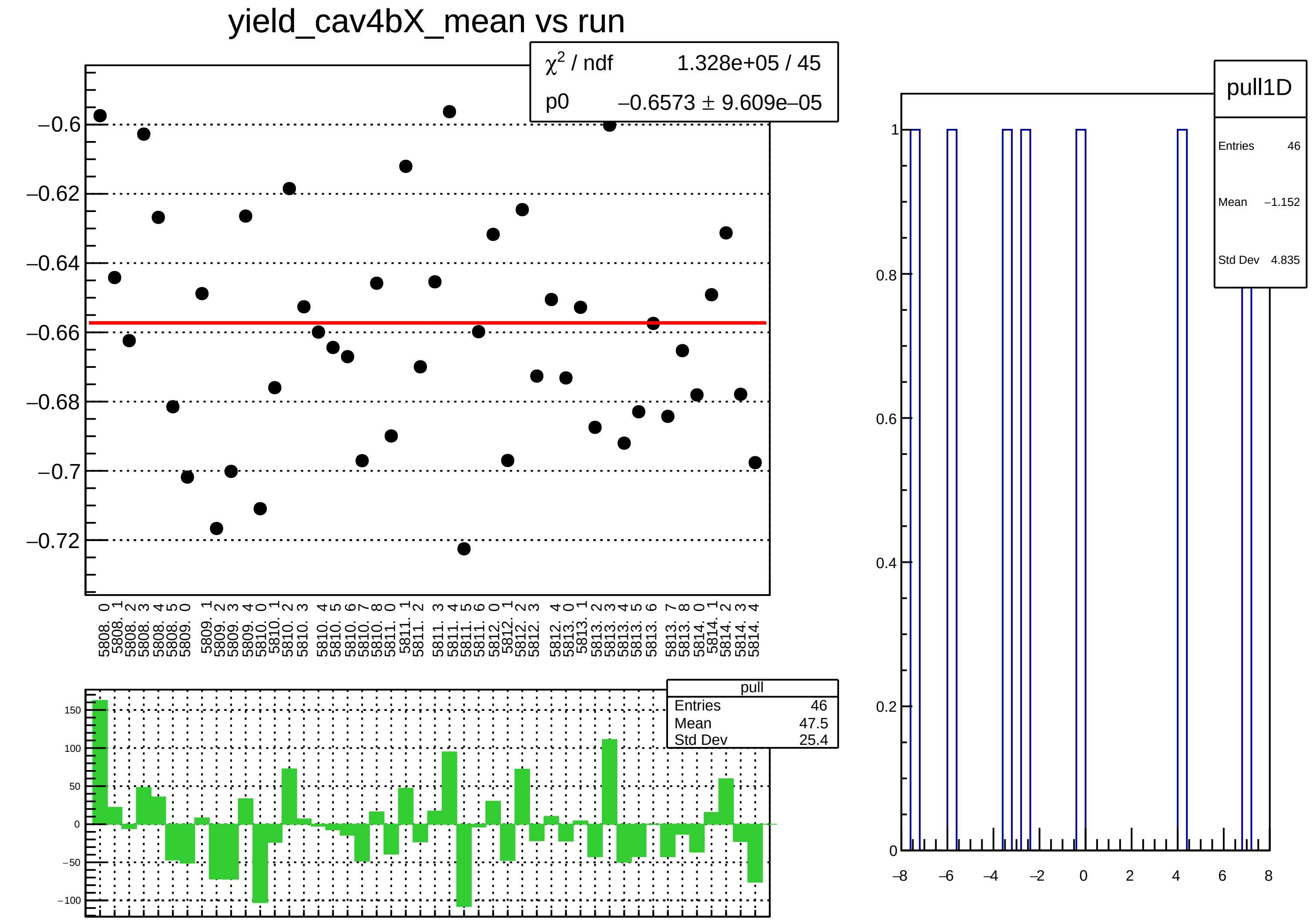


pull1D
Entries 0
Mean 0
Std Dev 0

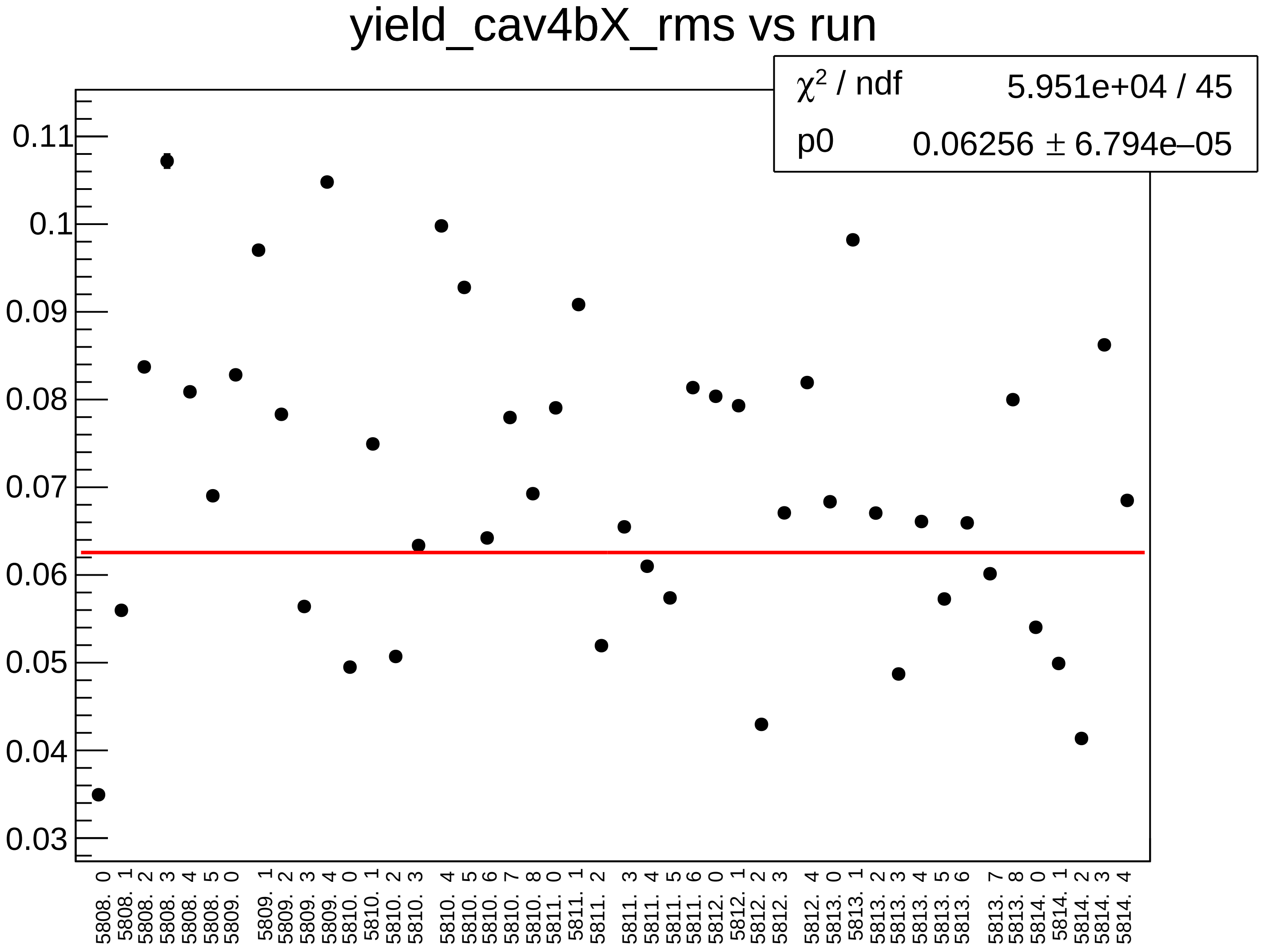

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

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

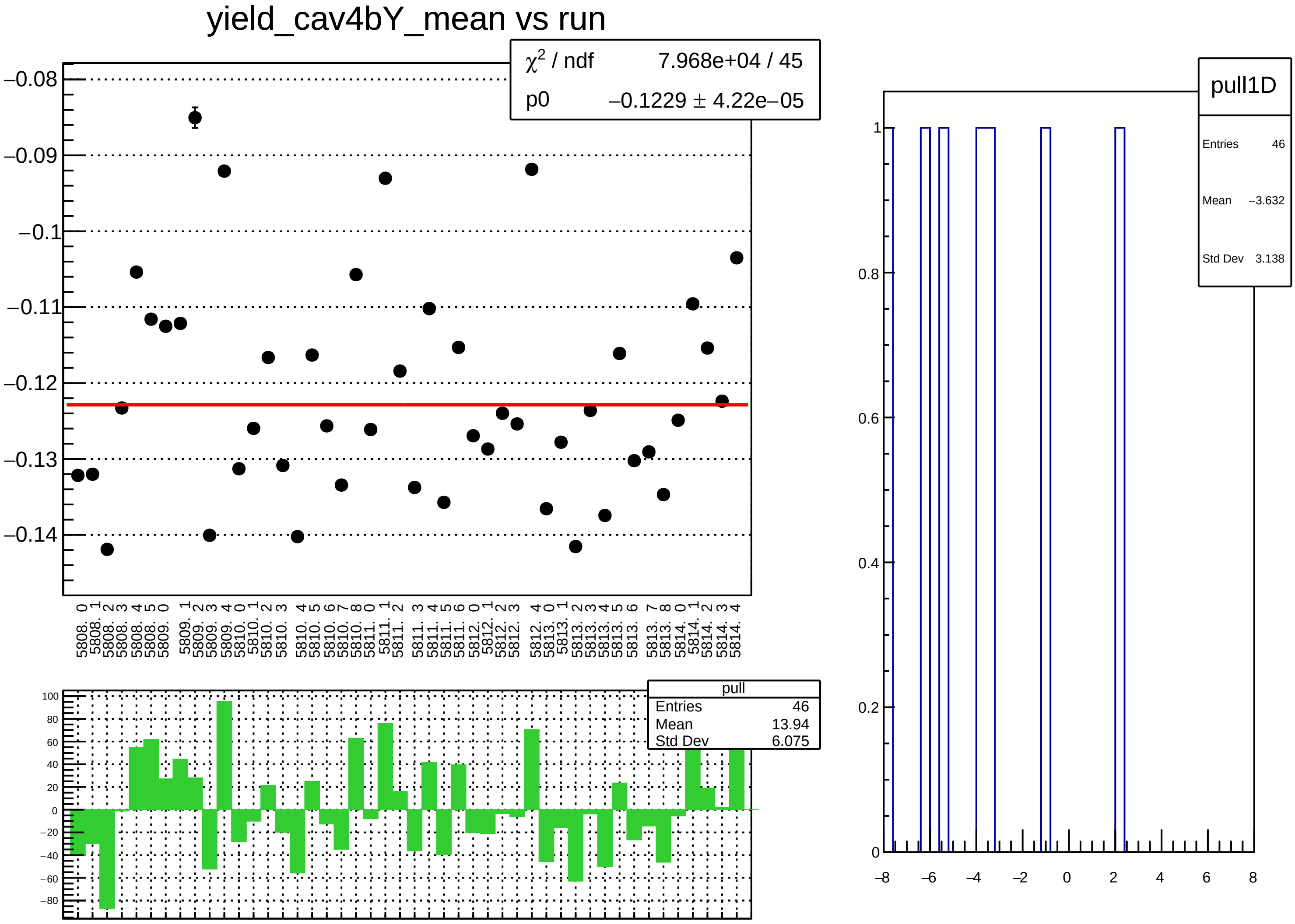

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1


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

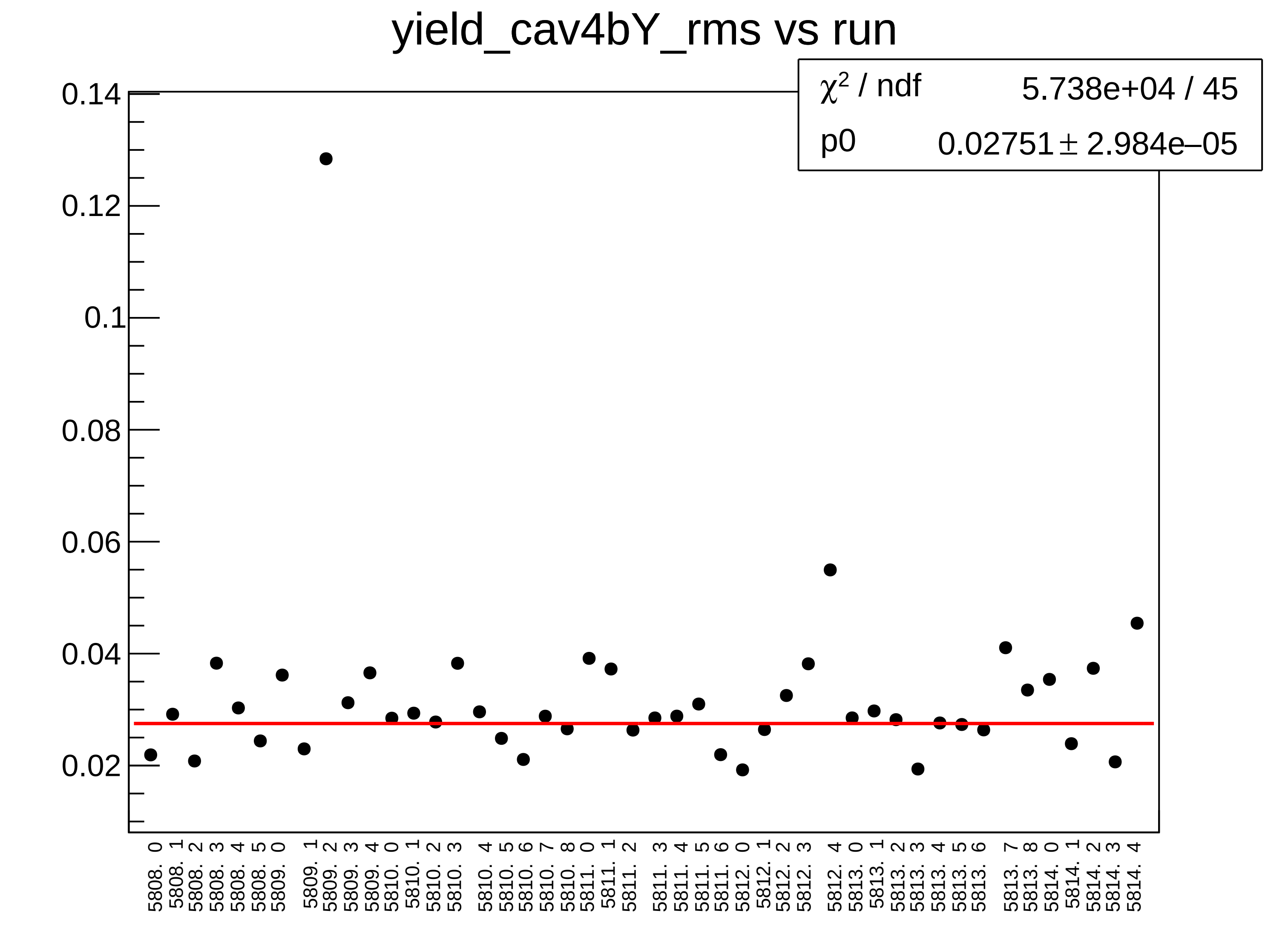


yield_cav4bX_mean vs run
χ^2 / ndf 1.328e+05 / 45
p0 −0.6573 ± 9.609e−05
pull
Entries 46
Mean 47.5
Std Dev 25.4
pull1D
Entries 46
Mean −1.152
Std Dev 4.835

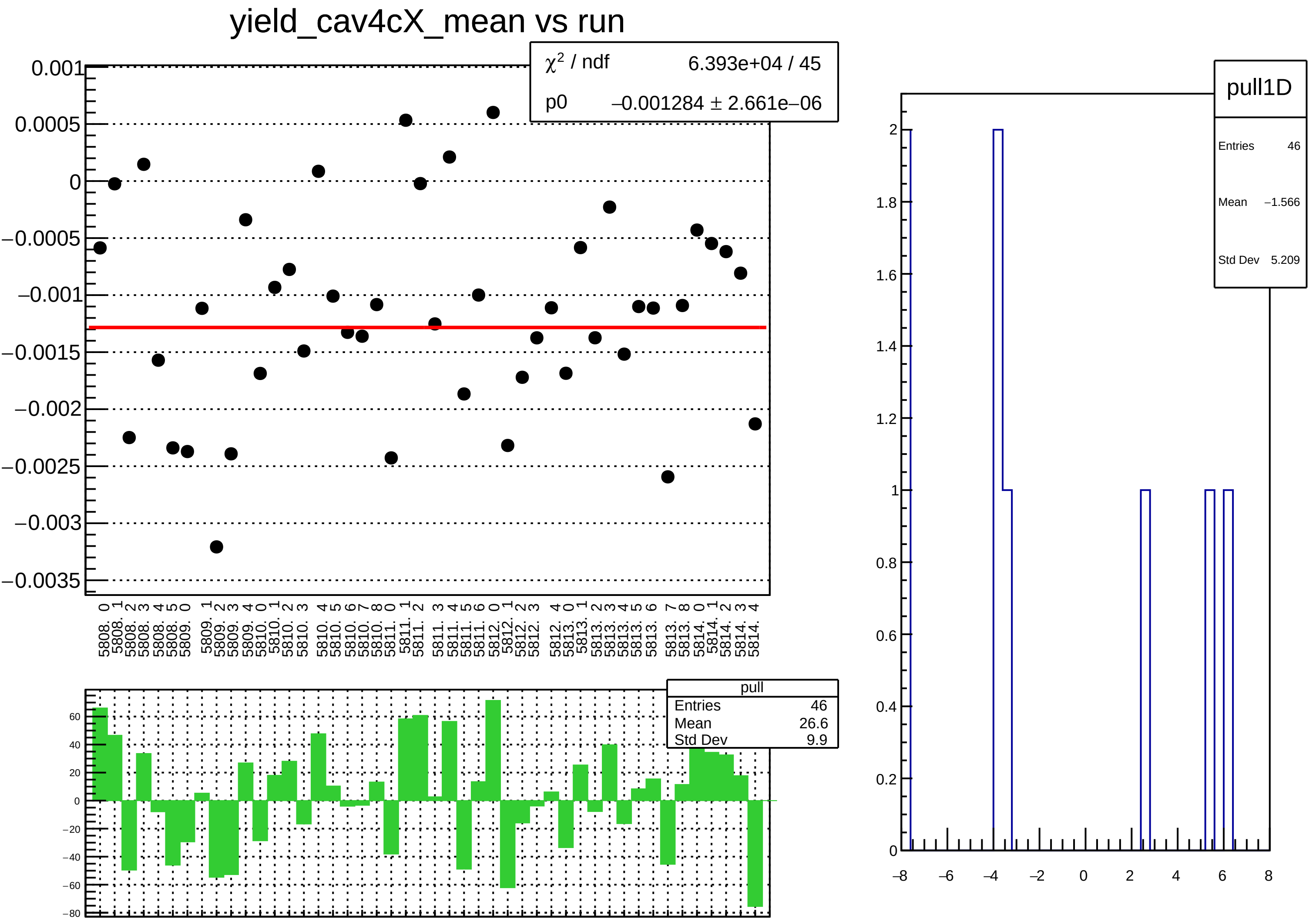

yield_cav4bX_rms vs run
χ2 / ndf 5.951e+04 / 45
p0 0.06256 ± 6.794e−05
0.11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03



yield_cav4bY_mean vs run
χ^2 / ndf 7.968e+04 / 45
p0 −0.1229 ± 4.22e−05
pull
Entries 46
Mean 13.94
Std Dev 6.075
pull1D
Entries 46
Mean −3.632
Std Dev 3.138

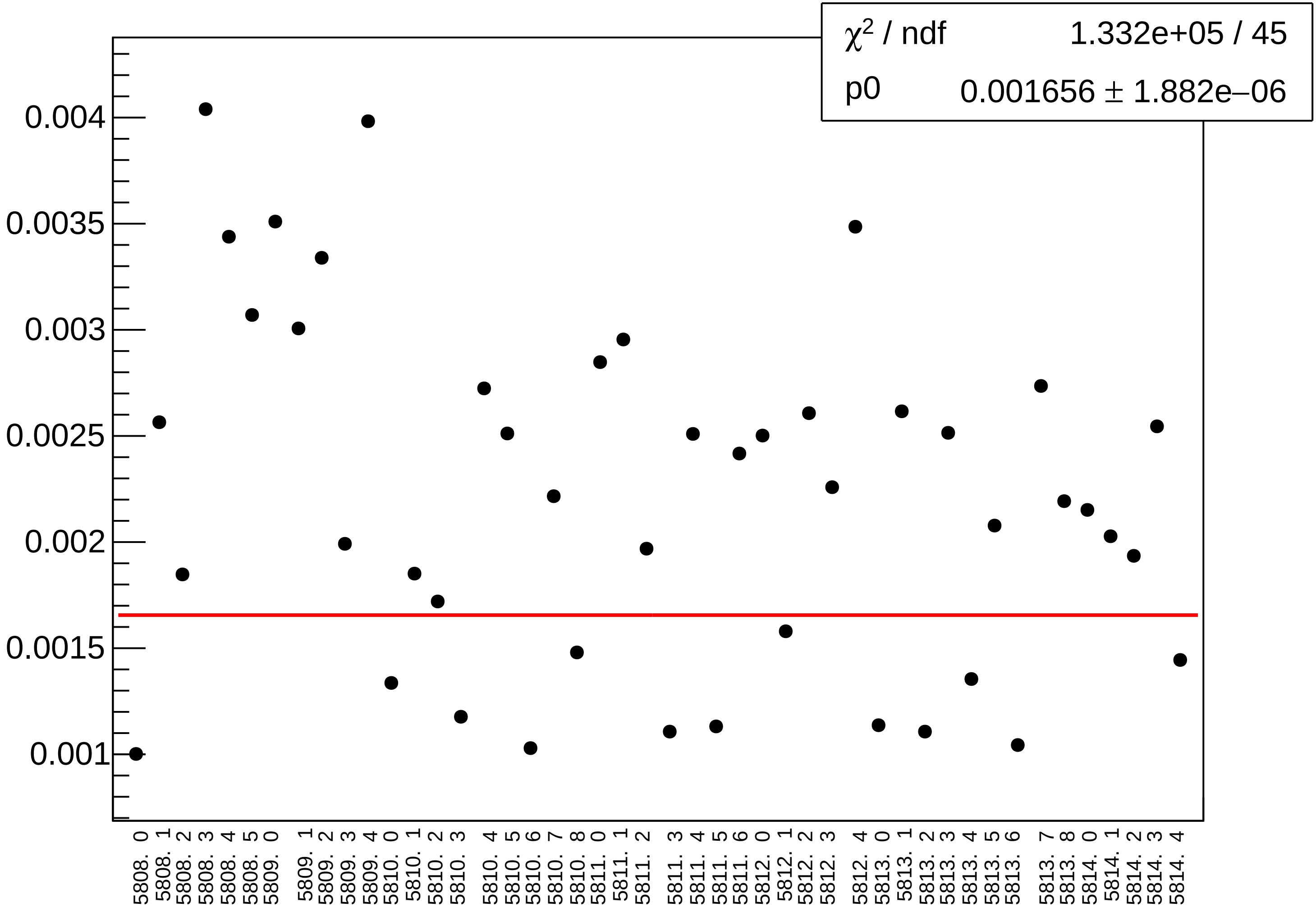


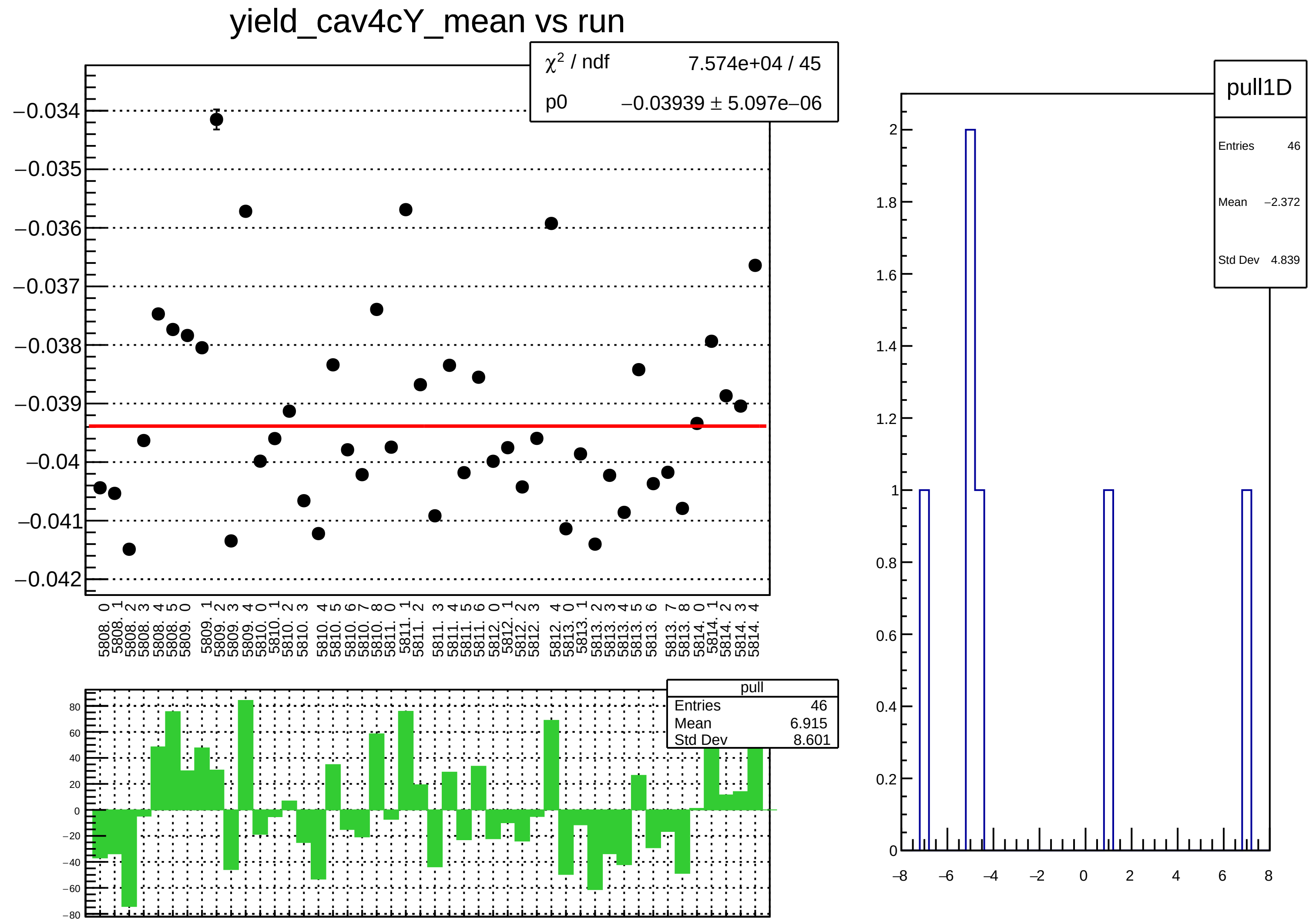
yield_cav4bY_rms vs run
χ^2 / ndf 5.738e+04 / 45
p0 0.02751 ± 2.984e−05
0.14
0.12
0.1
0.08
0.06
0.04
0.02

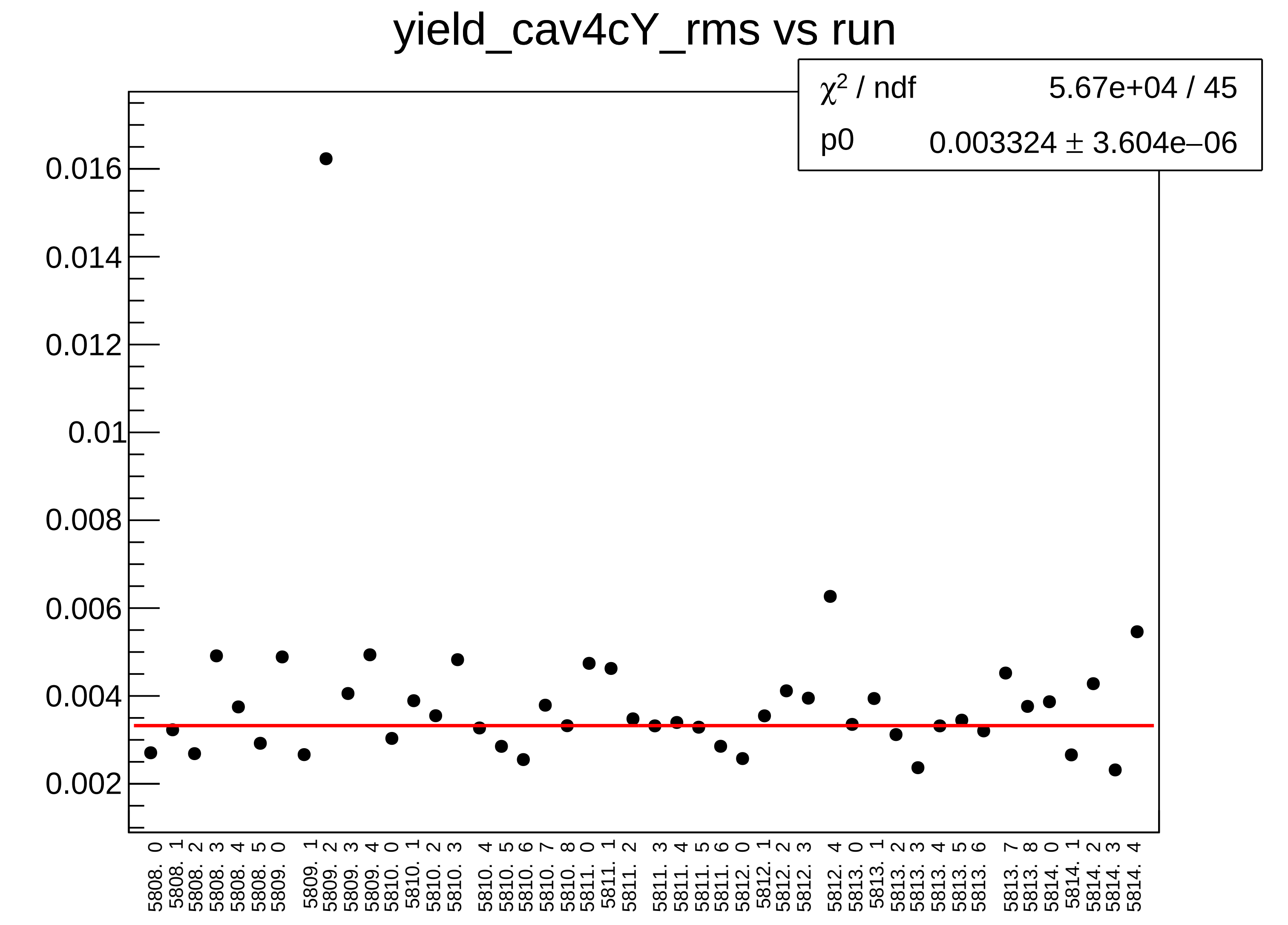


yield_cav4cX_mean vs run
χ^2 / ndf 6.393e+04 / 45
p0 −0.001284 ± 2.661e−06
pull
Entries 46
Mean 26.6
Std Dev 9.9
pull1D
Entries 46
Mean −1.566
Std Dev 5.209

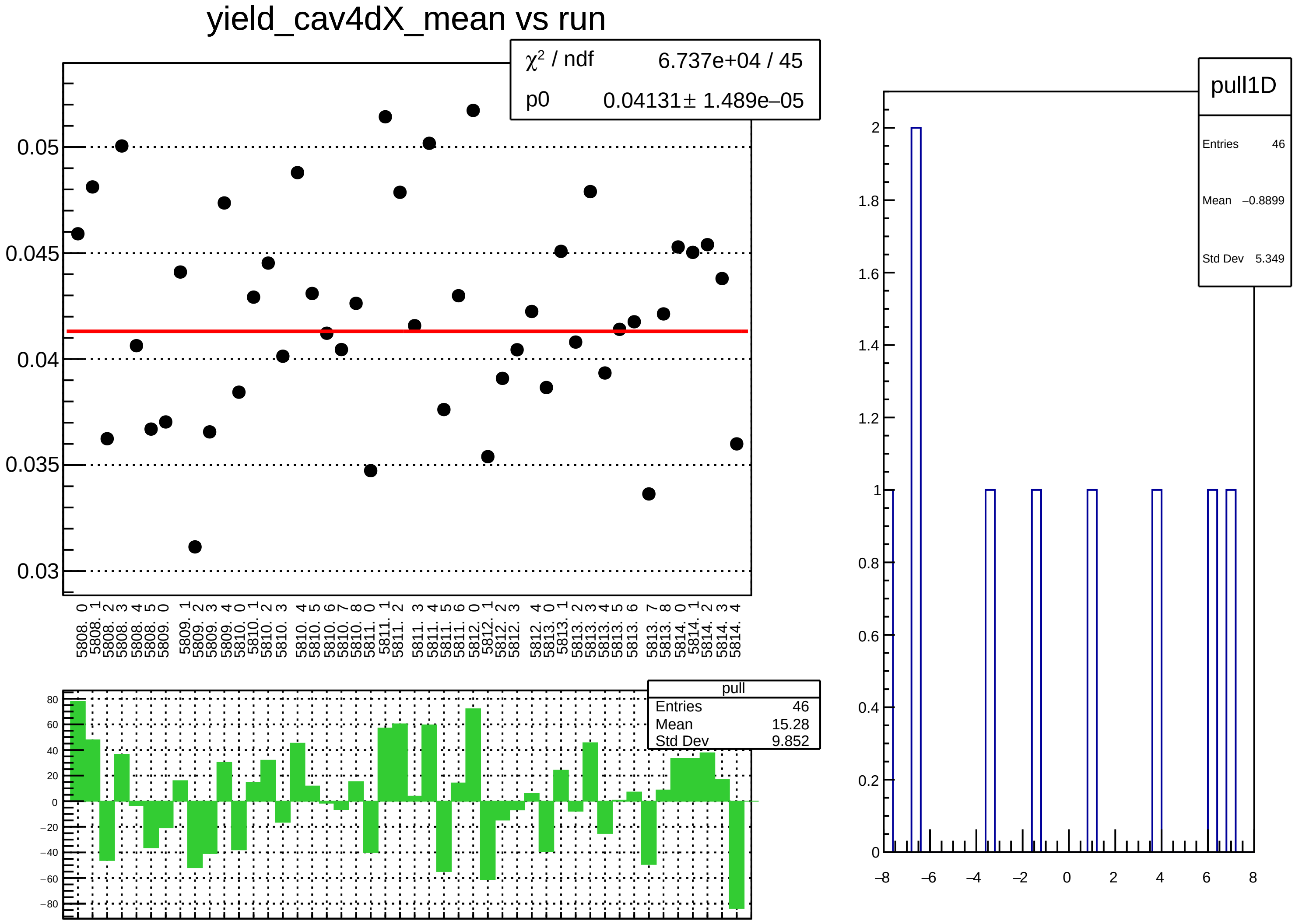
yield_cav4cX_rms vs run



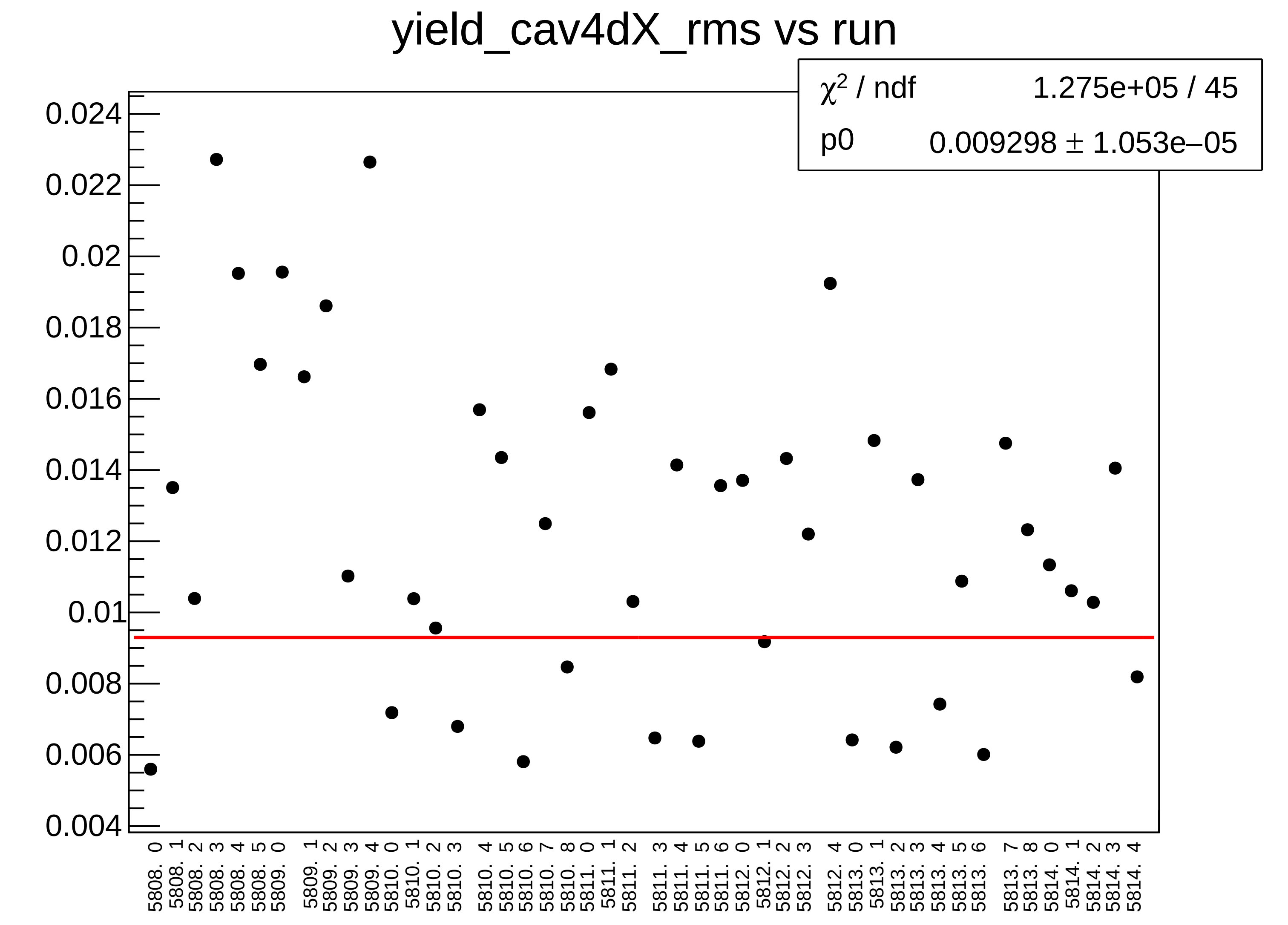

yield_cav4cY_mean vs run
χ^2 / ndf 7.574e+04 / 45
p0 −0.03939 ± 5.097e−06
pull
Entries 46
Mean 6.915
Std Dev 8.601
pull1D
Entries 46
Mean −2.372
Std Dev 4.839



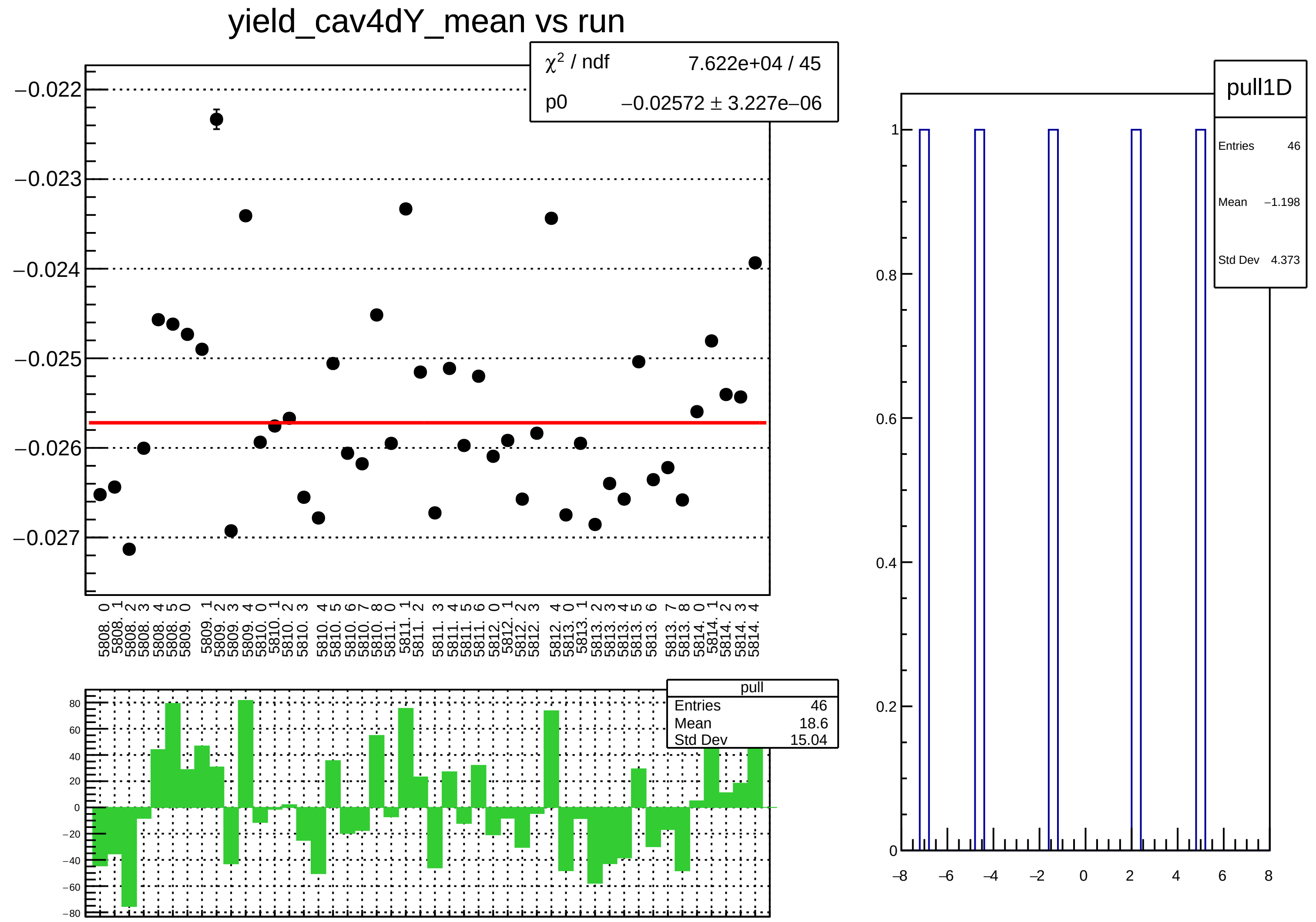
yield_cav4cY_rms vs run
χ2 / ndf 5.67e+04 / 45
p0 0.003324 ± 3.604e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



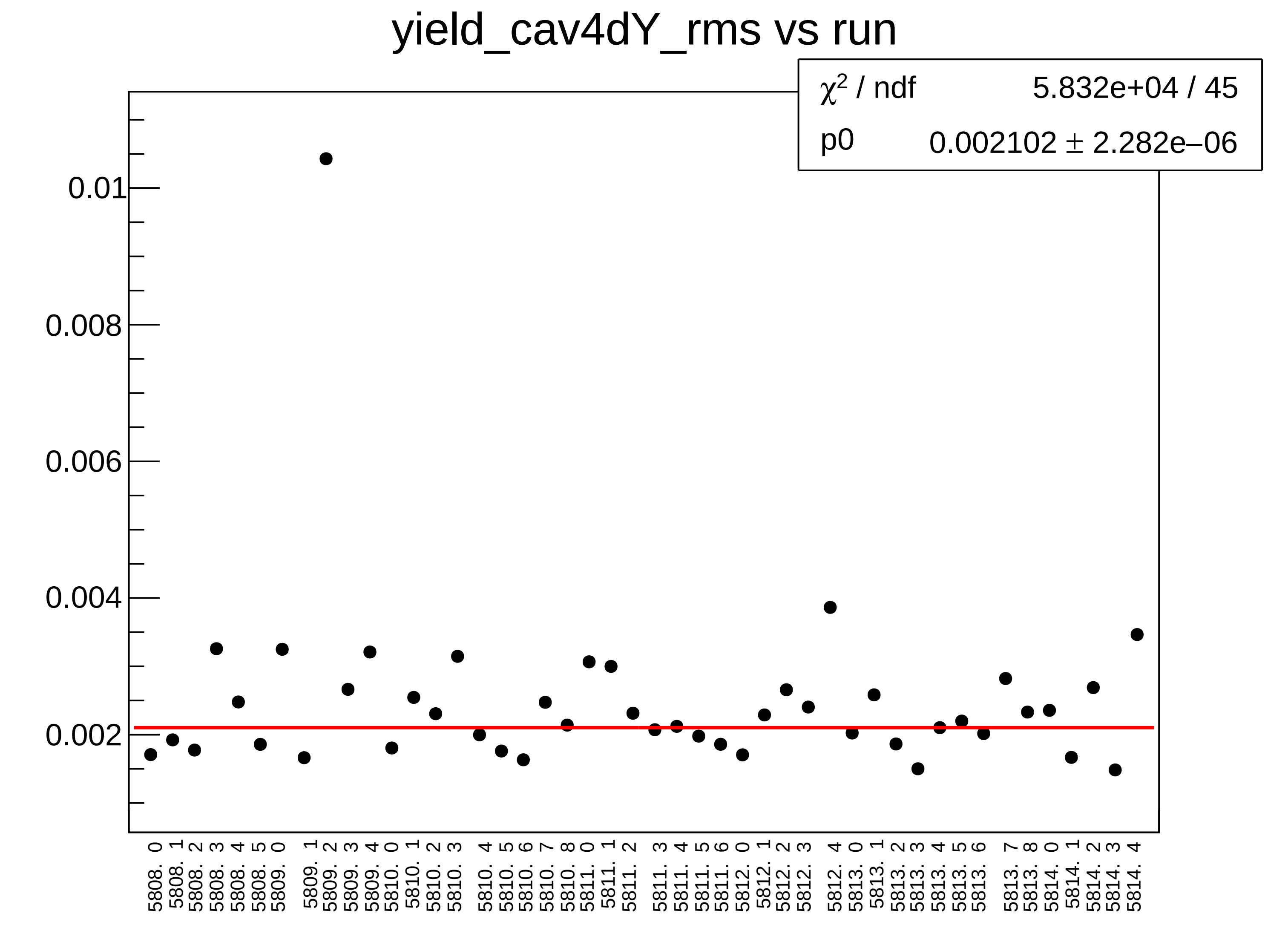
yield_cav4dX_mean vs run
χ2 / ndf 6.737e+04 / 45
p0 0.04131 ± 1.489e−05
pull
Entries 46
Mean 15.28
Std Dev 9.852
pull1D
Entries 46
Mean −0.8899
Std Dev 5.349



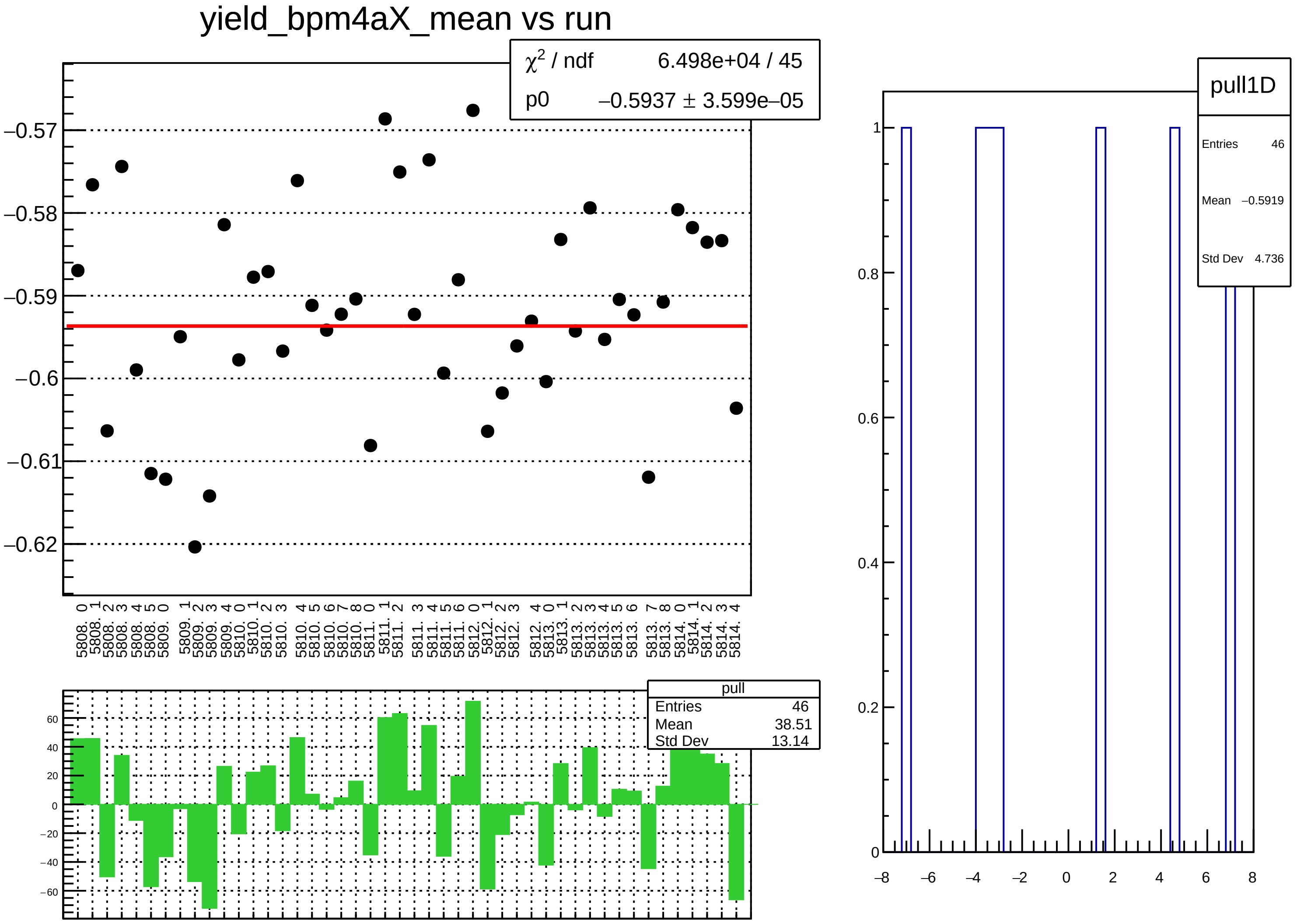
yield_cav4dX_rms vs run
χ^2 / ndf 1.275e+05 / 45
p0 0.009298 ± 1.053e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



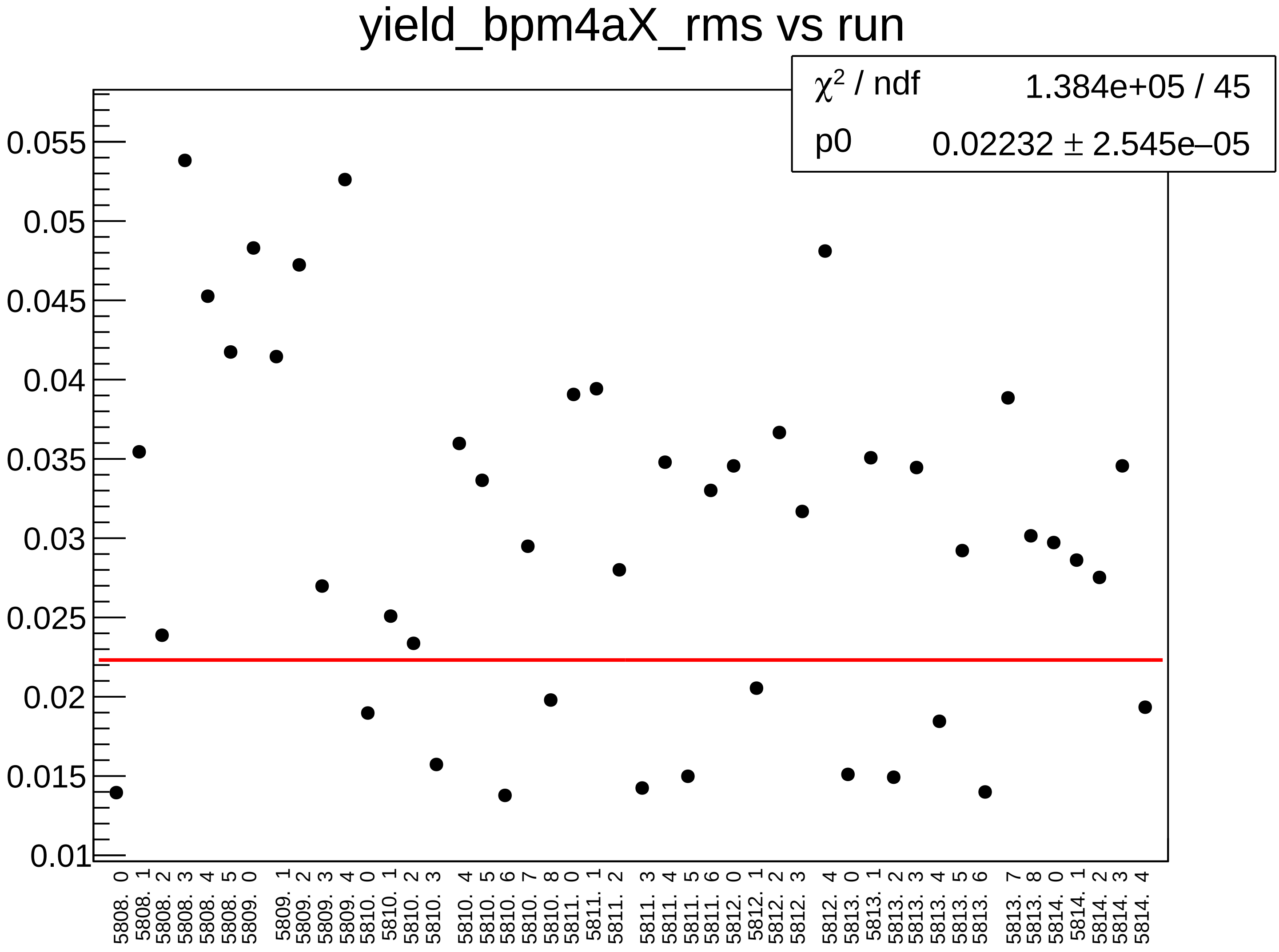
yield_cav4dY_mean vs run
χ2 / ndf 7.622e+04 / 45
p0 −0.02572 ± 3.227e−06
pull
Entries 46
Mean 18.6
Std Dev 15.04
pull1D
Entries 46
Mean −1.198
Std Dev 4.373

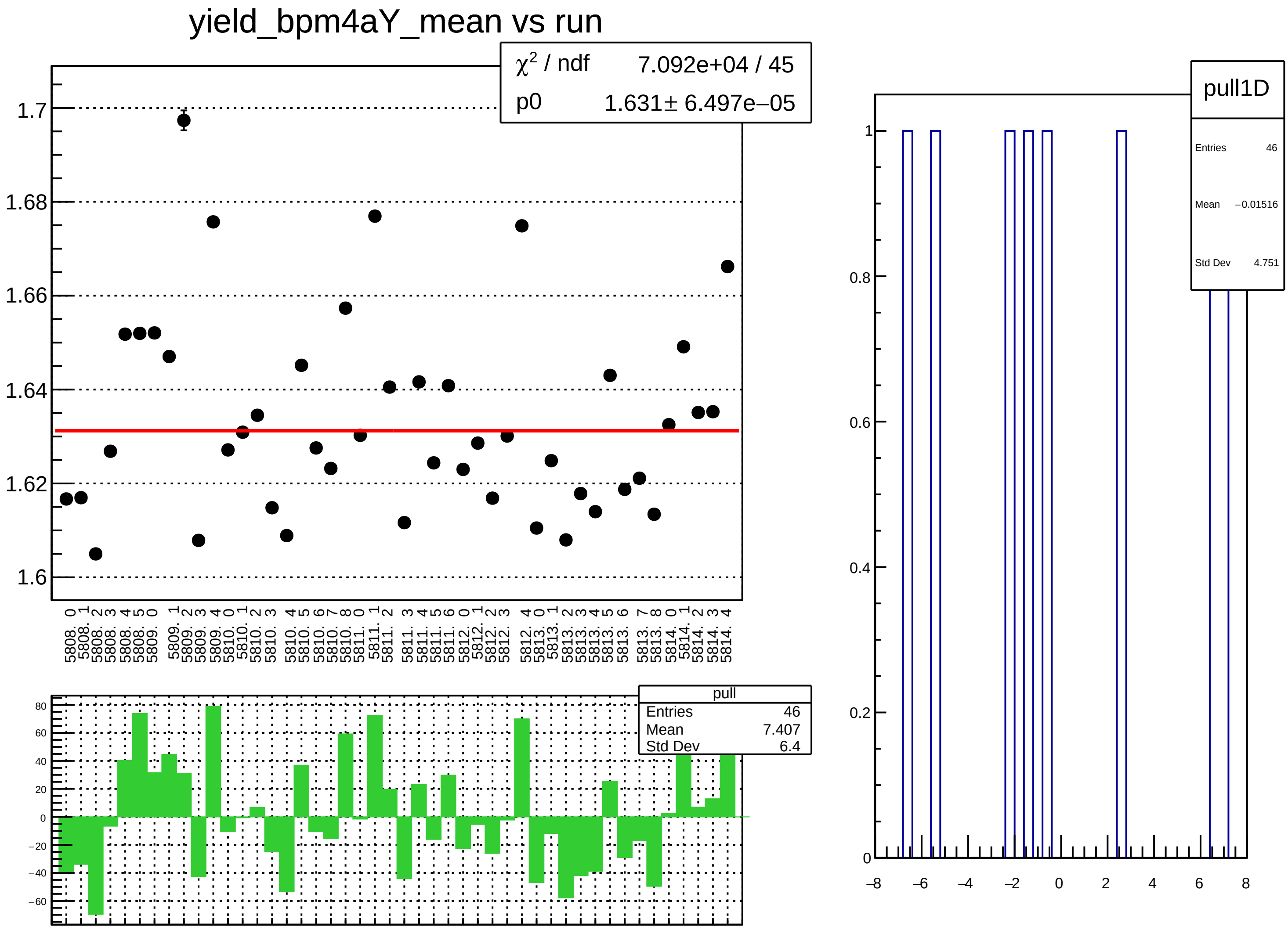


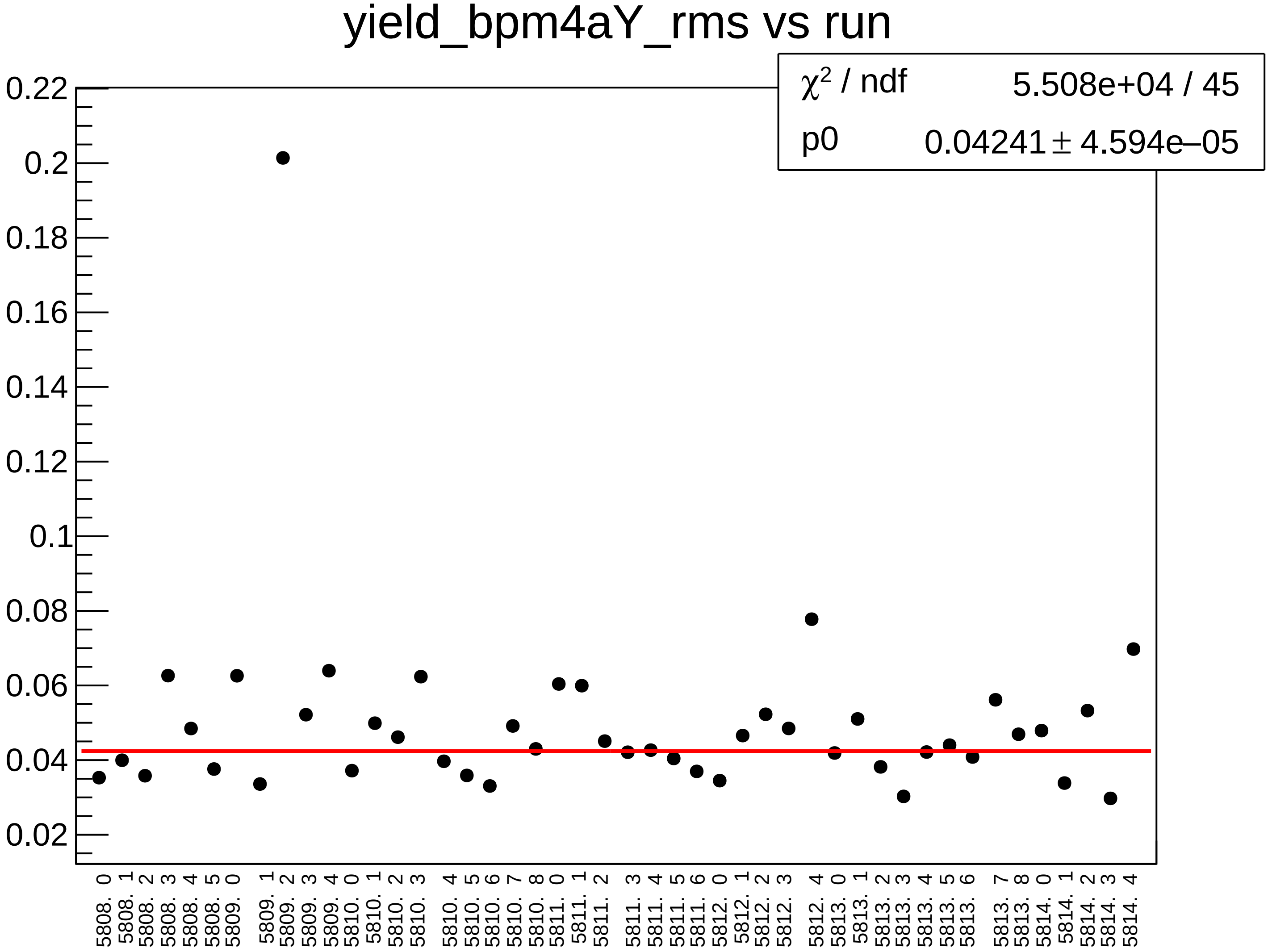
yield_cav4dY_rms vs run
χ2 / ndf 5.832e+04 / 45
p0 0.002102 ± 2.282e−06
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



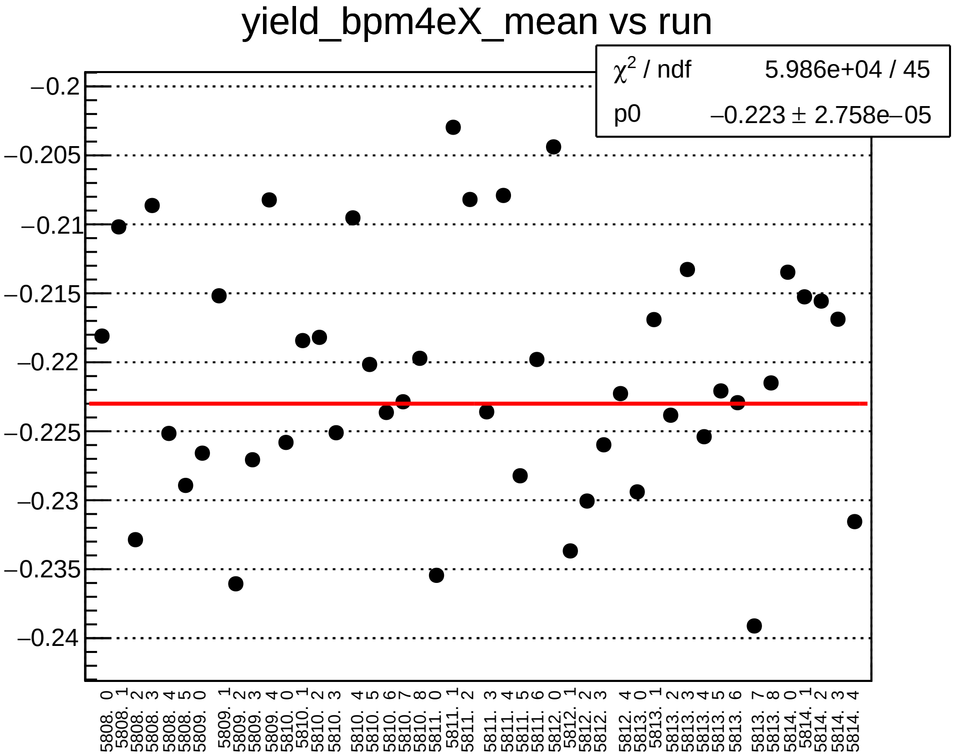
yield_bpm4aX_mean vs run
χ^2 / ndf 6.498e+04 / 45
p0 −0.5937 ± 3.599e−05
pull
Entries 46
Mean 38.51
Std Dev 13.14
pull1D
Entries 46
Mean −0.5919
Std Dev 4.736

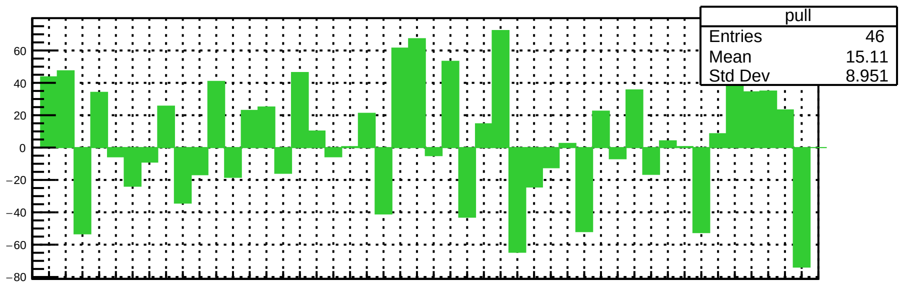

yield_bpm4aX_rms vs run
χ² / ndf 1.384e+05 / 45
p0 0.02232 ± 2.545e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01

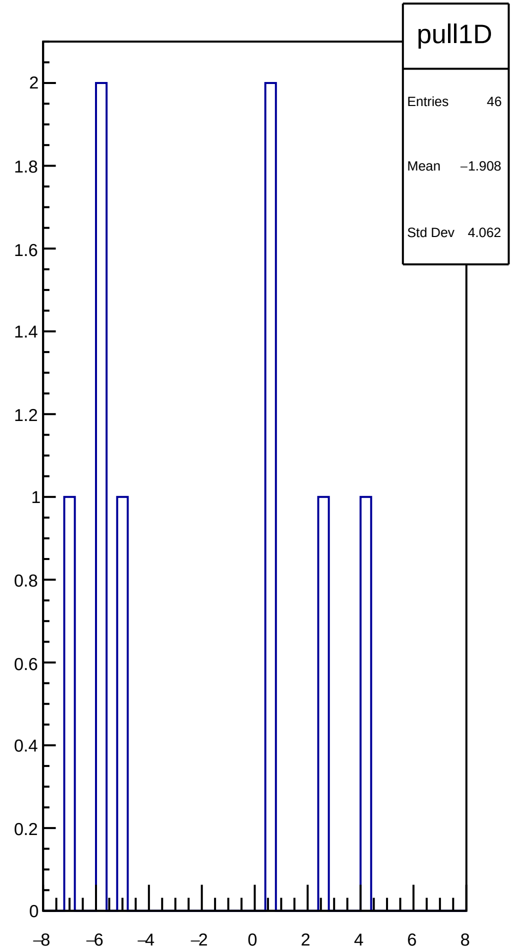

yield_bpm4aY_mean vs run
χ2 / ndf 7.092e+04 / 45
p0 1.631± 6.497e−05
pull
Entries 46
Mean 7.407
Std Dev 6.4
pull1D
Entries 46
Mean −0.01516
Std Dev 4.751

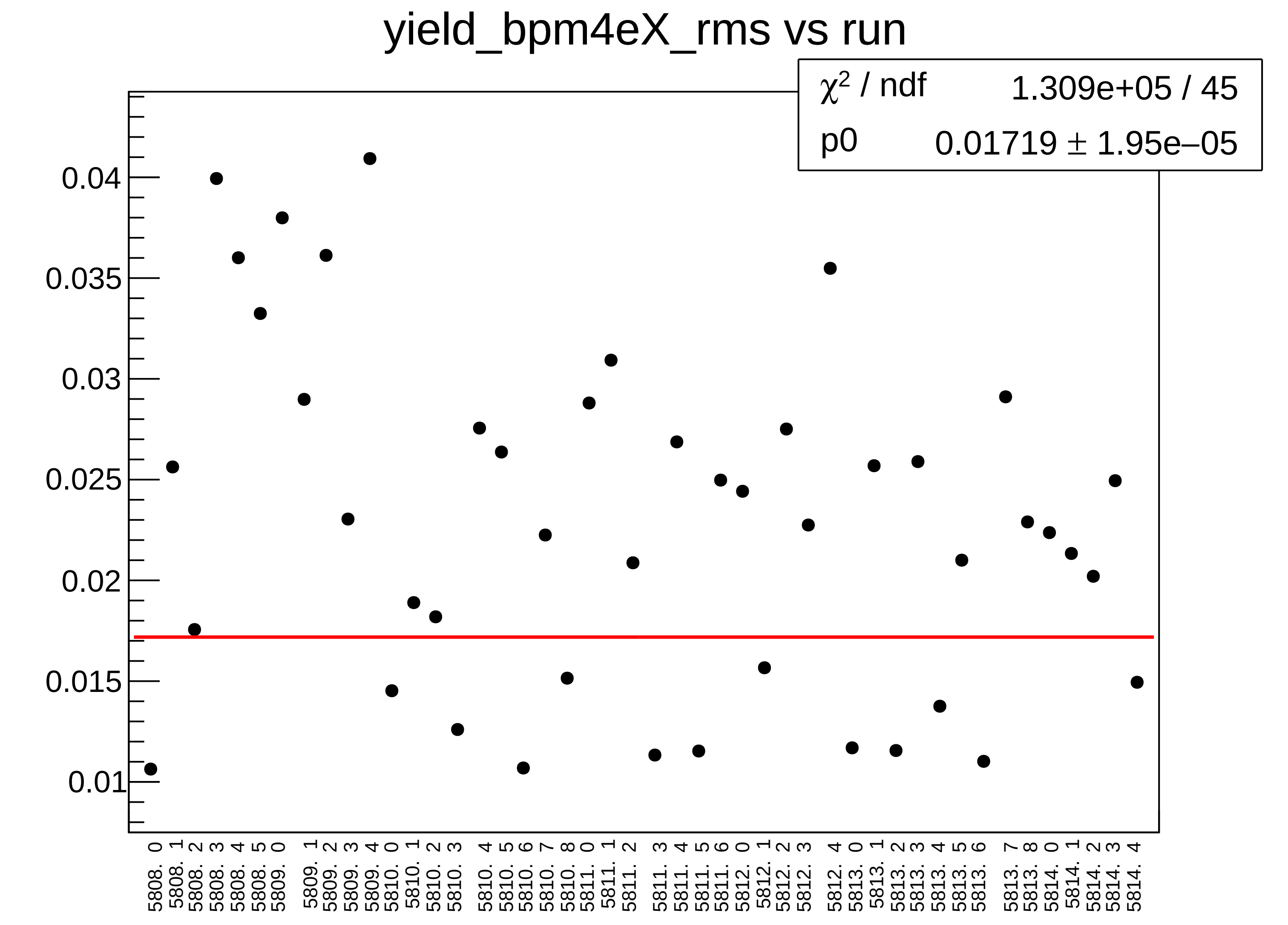


yield_bpm4aY_rms vs run
χ^2 / ndf 5.508e+04 / 45
p0 0.04241 ± 4.594e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

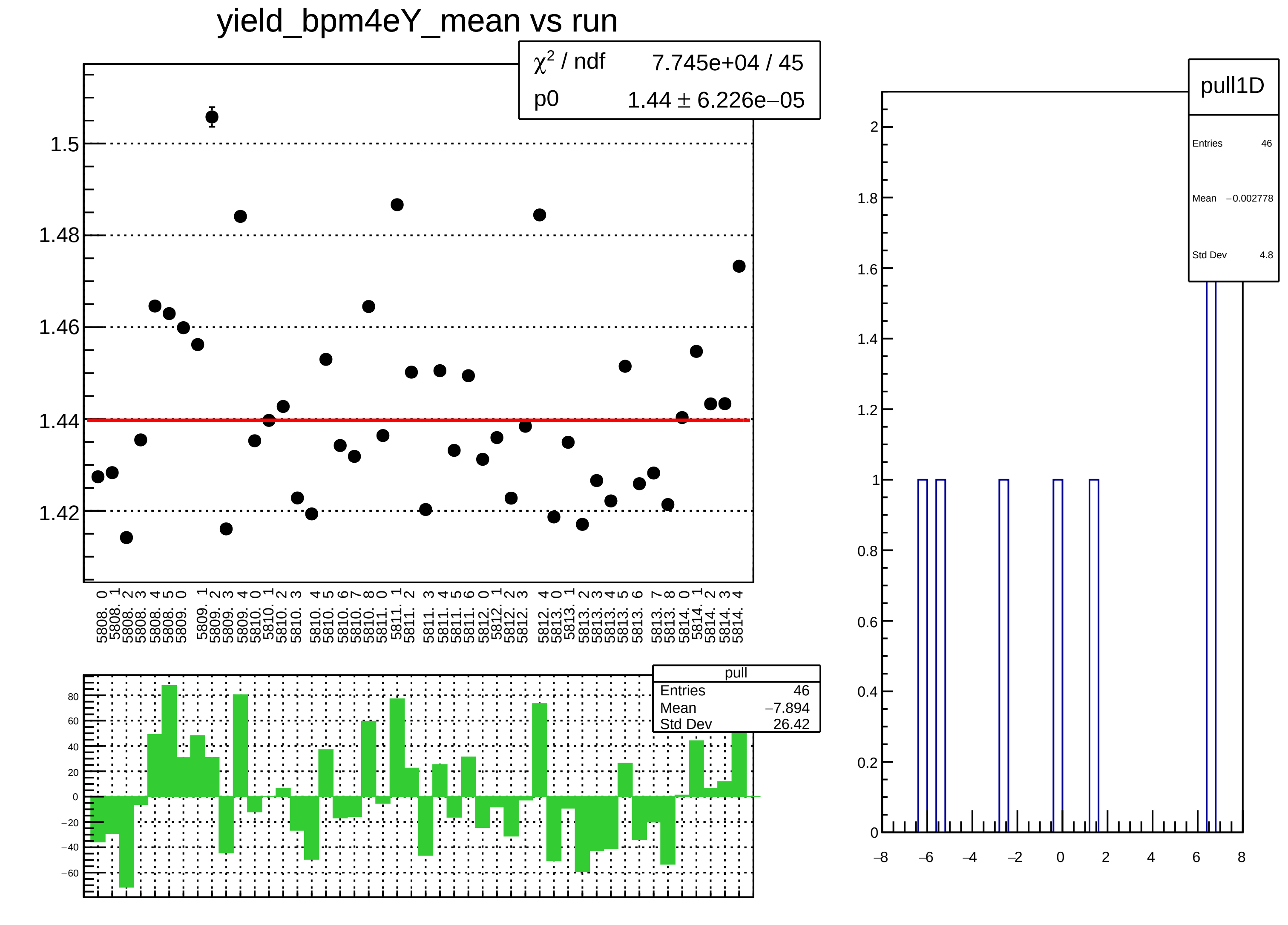

yield_bpm4eX_mean vs run
χ^2 / ndf 5.986e+04 / 45
p0 −0.223 ± 2.758e−05


pull
Entries 46
Mean 15.11
Std Dev 8.951

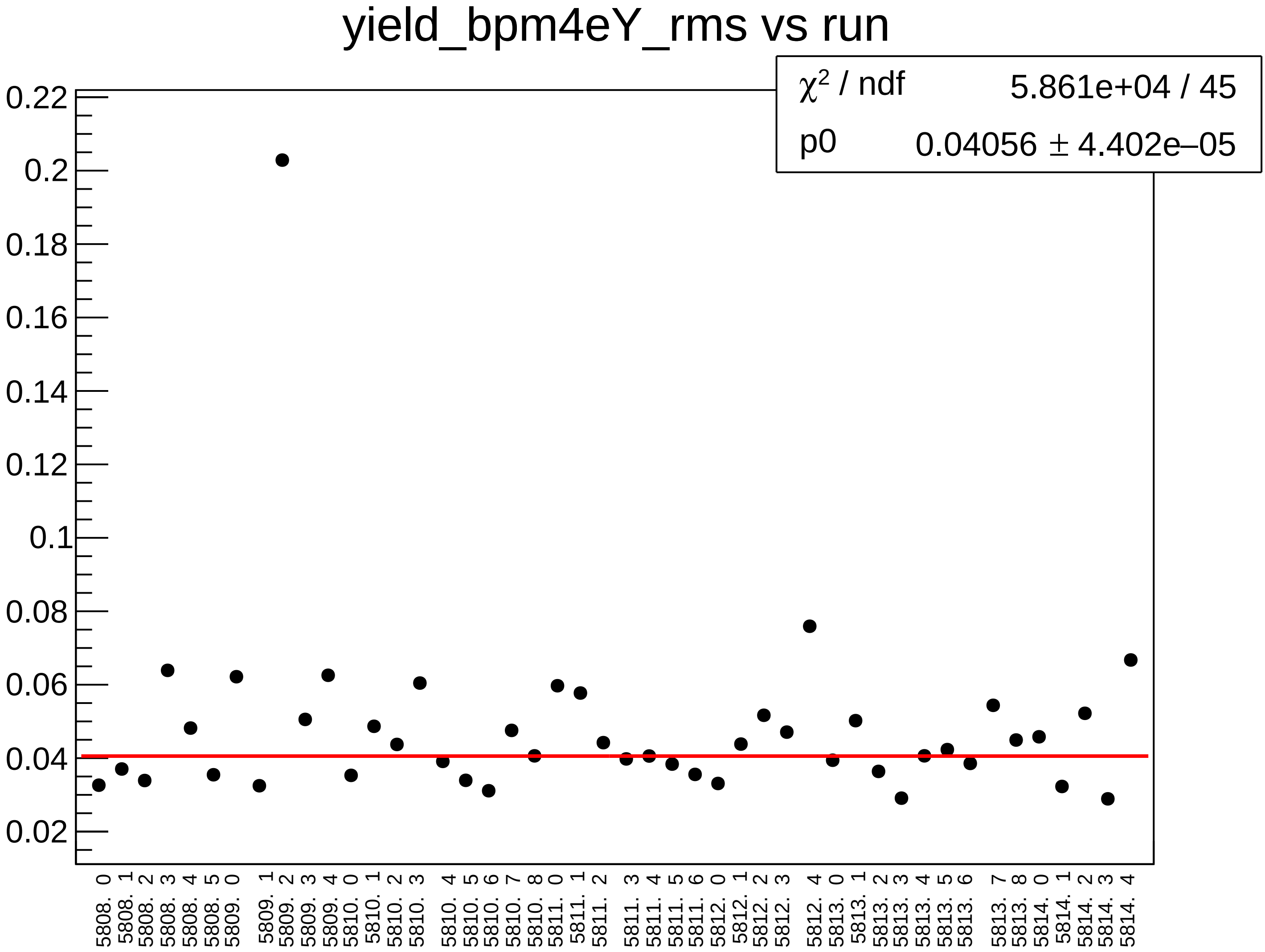

pull1D
Entries 46
Mean −1.908
Std Dev 4.062



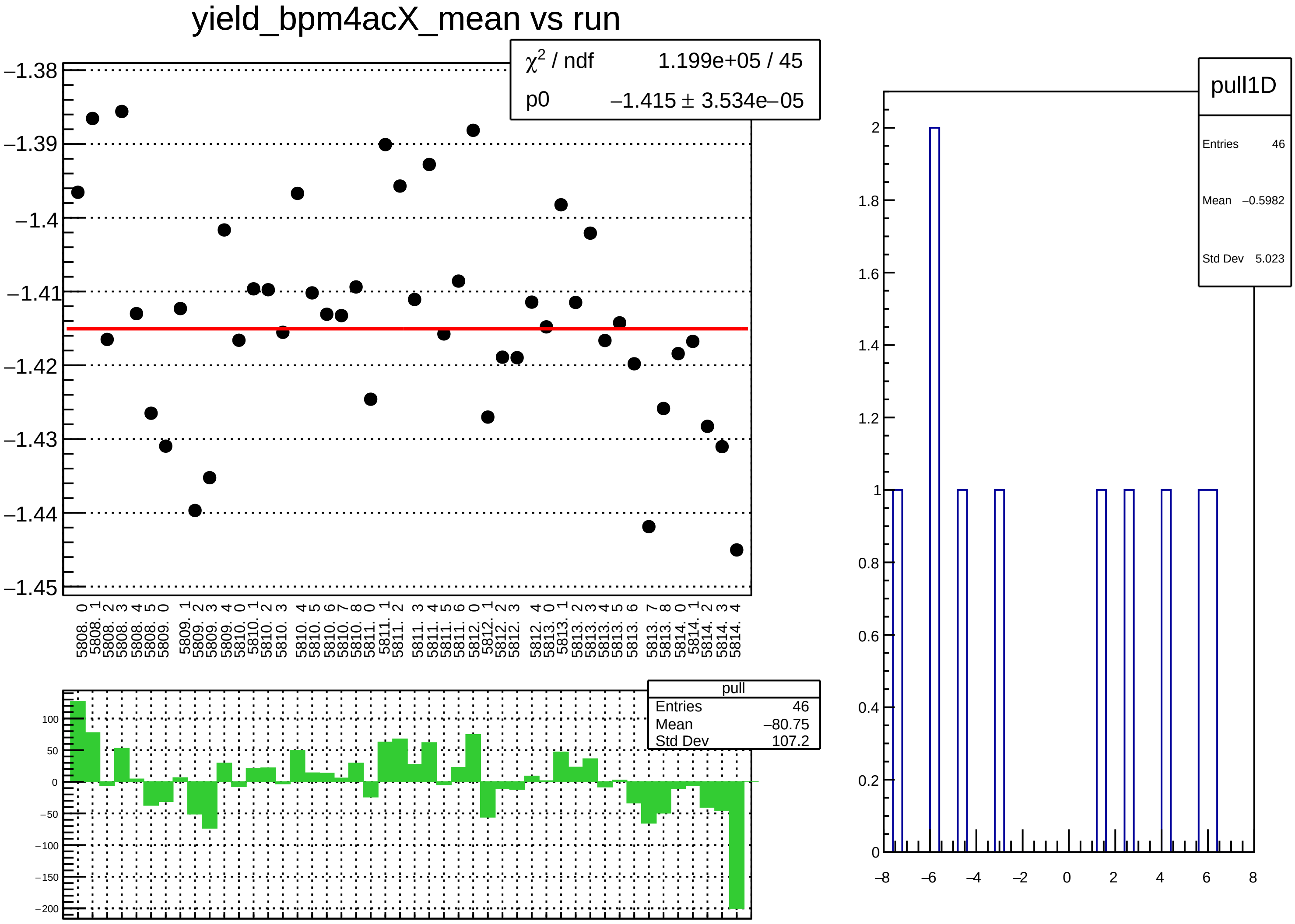
yield_bpm4eX_rms vs run
χ^2 / ndf 1.309e+05 / 45
p0 0.01719 ± 1.95e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



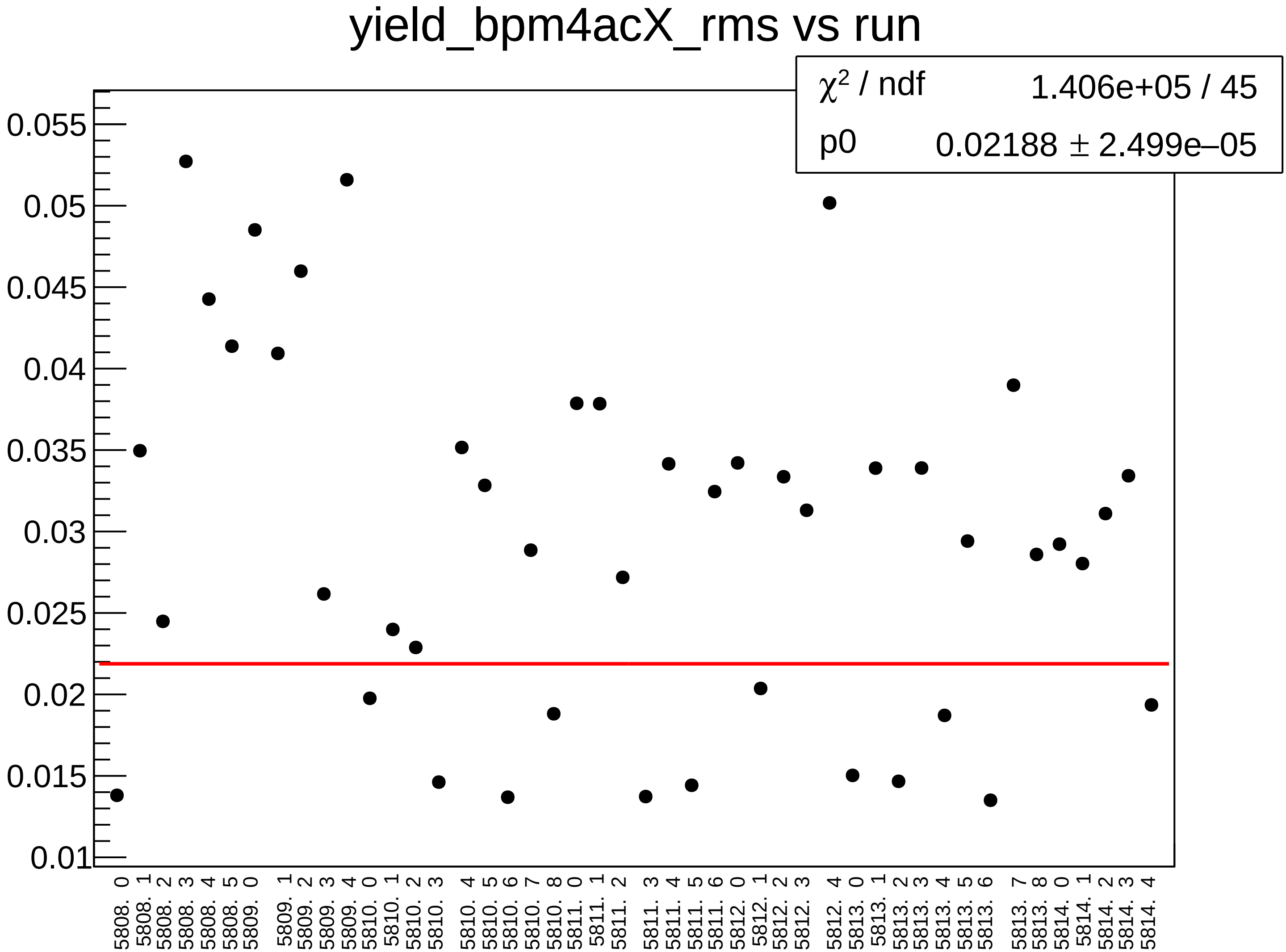
yield_bpm4eY_mean vs run
χ2 / ndf 7.745e+04 / 45
p0 1.44 ± 6.226e−05
pull
Entries 46
Mean −7.894
Std Dev 26.42
pull1D
Entries 46
Mean −0.002778
Std Dev 4.8



yield_bpm4eY_rms vs run
χ^2 / ndf 5.861e+04 / 45
p0 0.04056 ± 4.402e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



yield_bpm4acX_mean vs run
χ^2 / ndf 1.199e+05 / 45
p0 −1.415 ± 3.534e−05
pull
Entries 46
Mean −80.75
Std Dev 107.2
pull1D
Entries 46
Mean −0.5982
Std Dev 5.023



yield_bpm4acX_rms vs run
χ^2 / ndf 1.406e+05 / 45
p0 0.02188 ± 2.499e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
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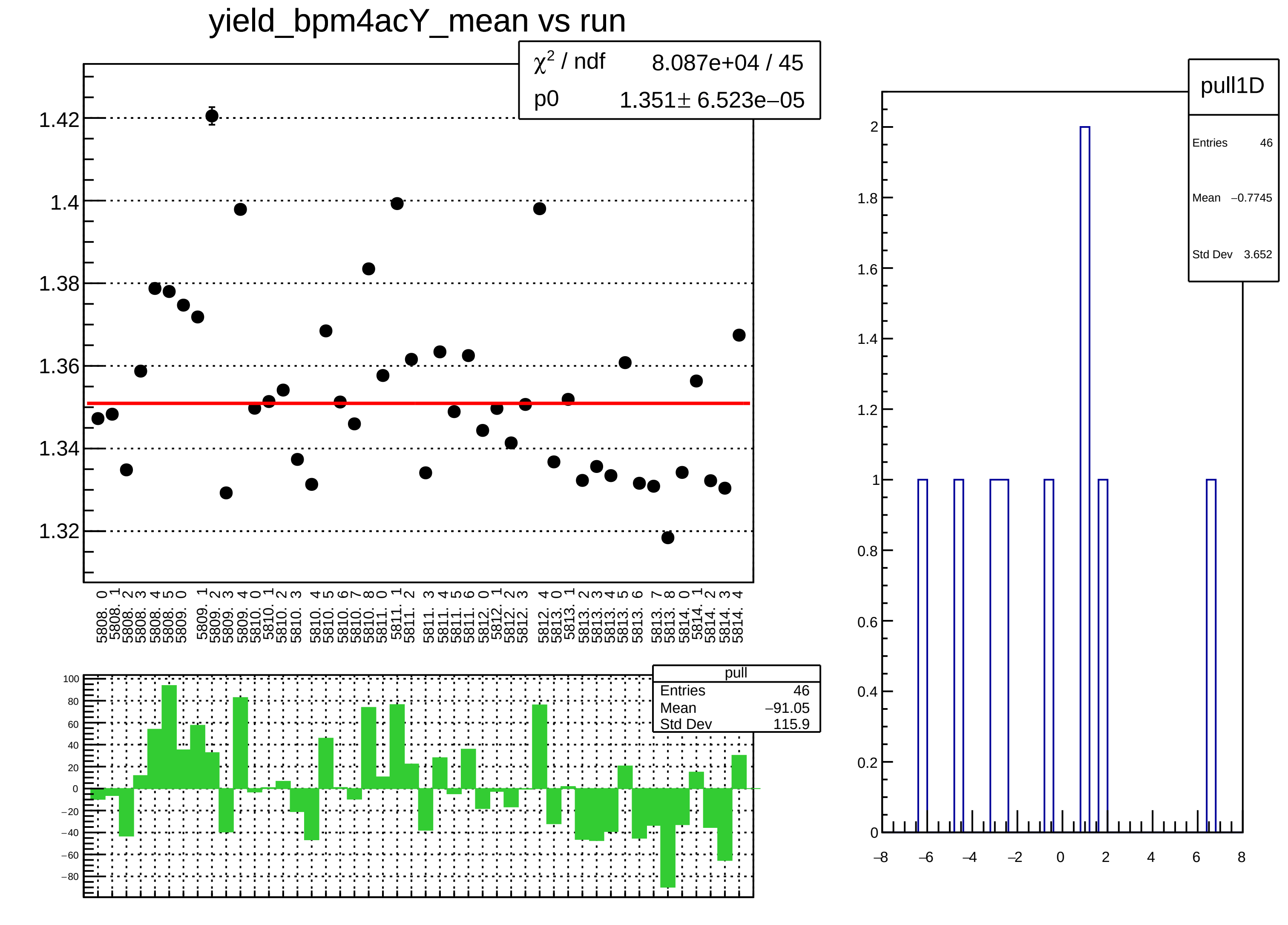
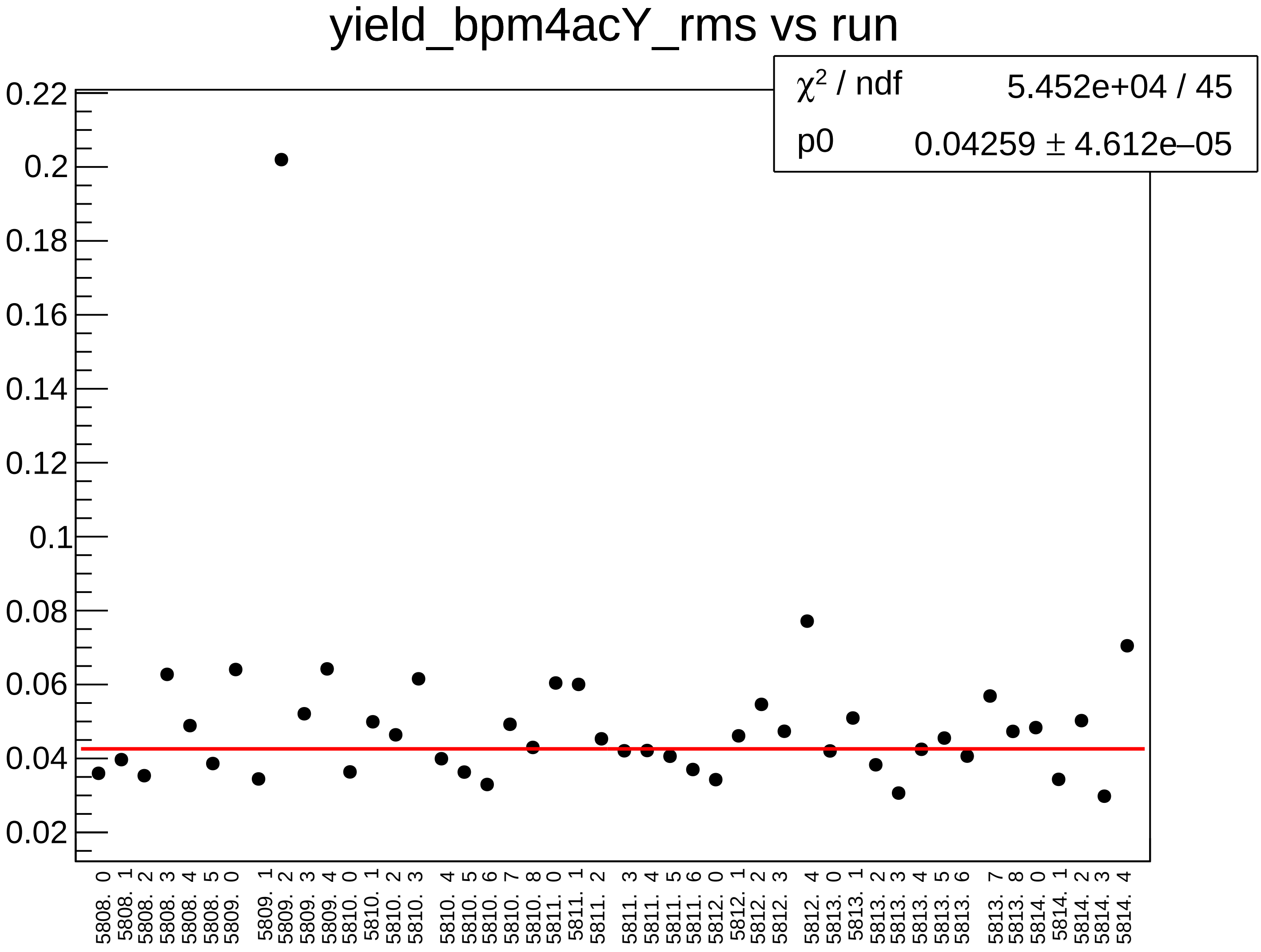
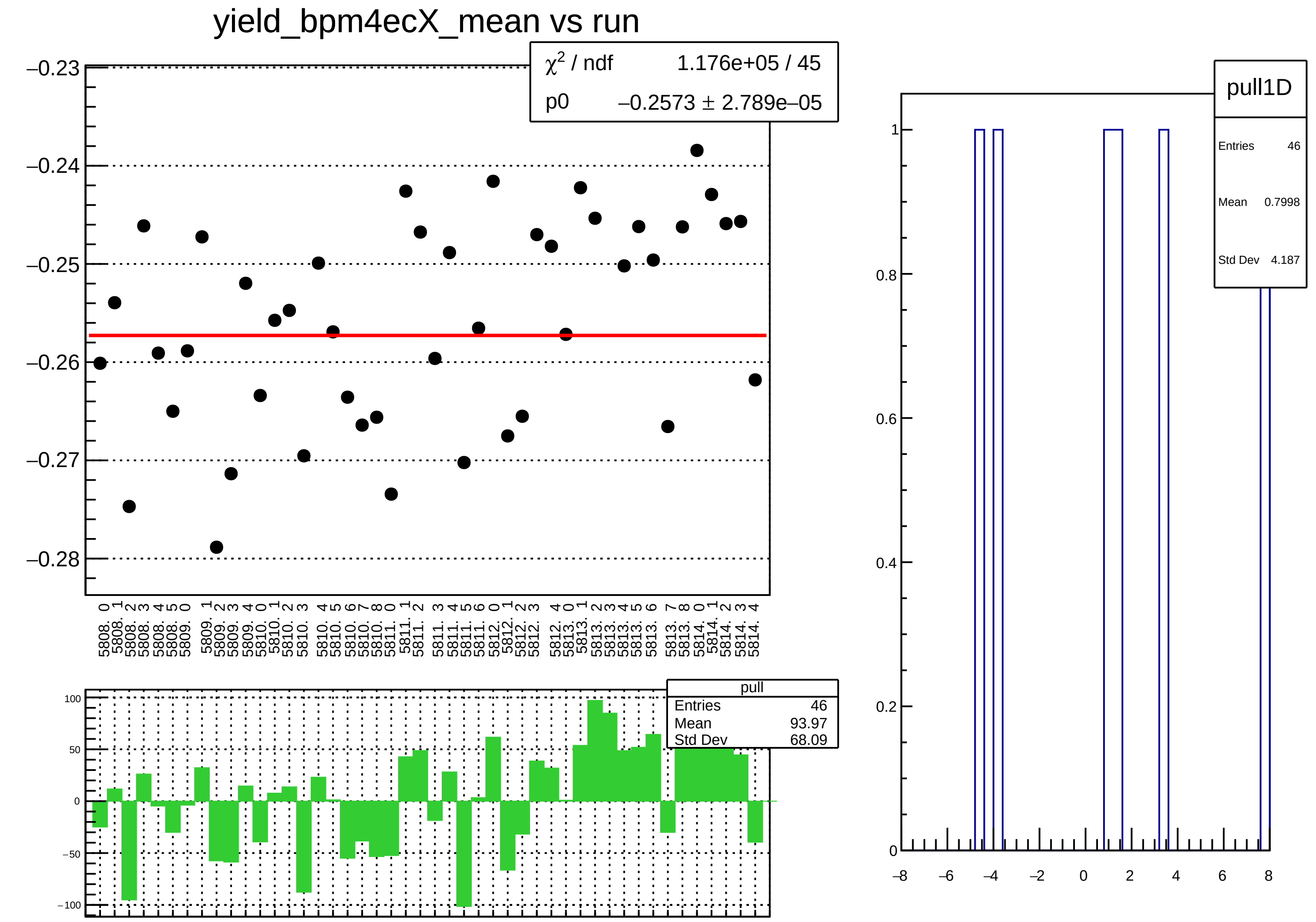
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



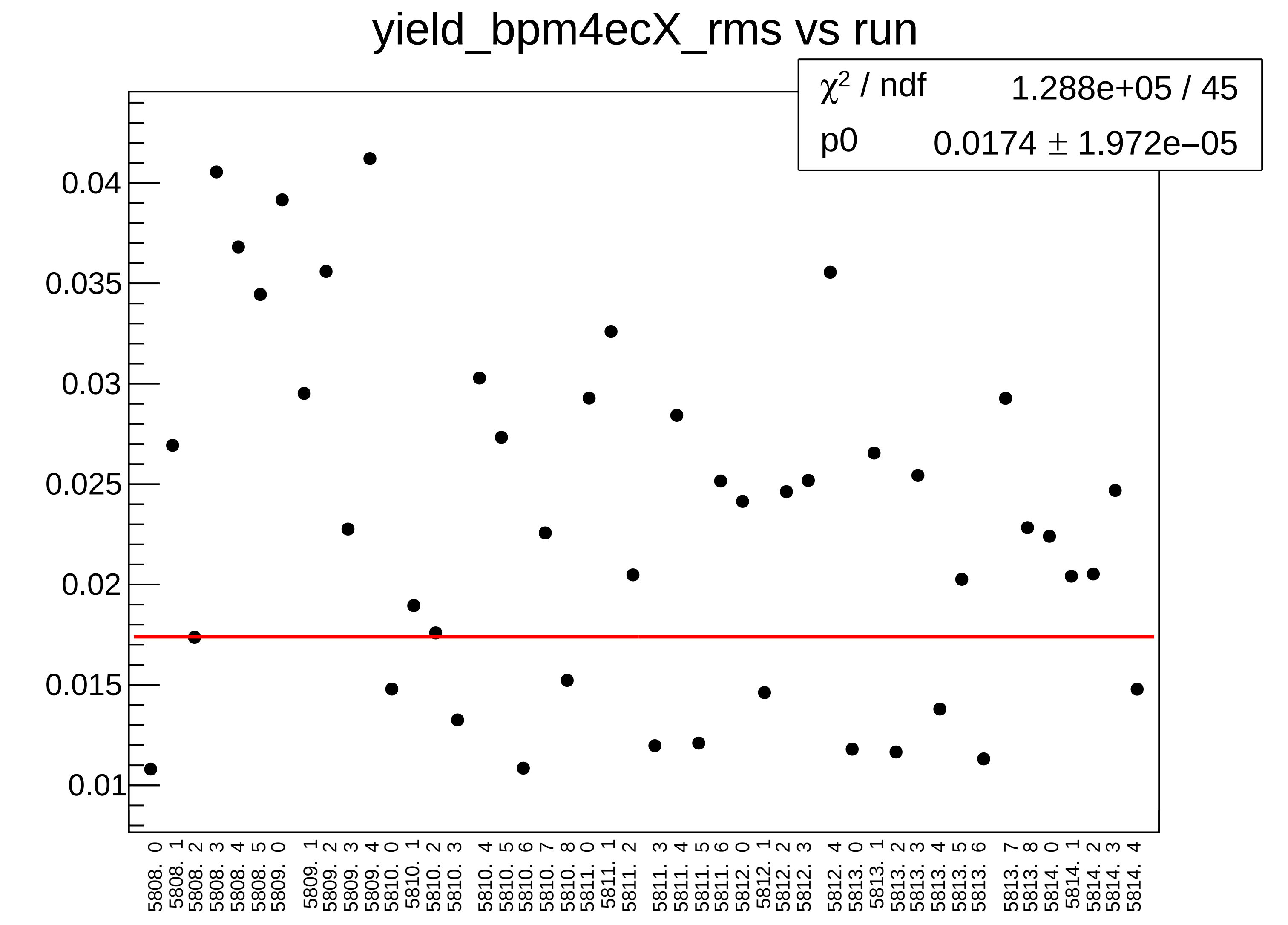
yield_bpm4acY_mean vs run
χ^2 / ndf 8.087e+04 / 45
p0 1.351± 6.523e−05
pull
Entries 46
Mean −91.05
Std Dev 115.9
pull1D
Entries 46
Mean −0.7745
Std Dev 3.652



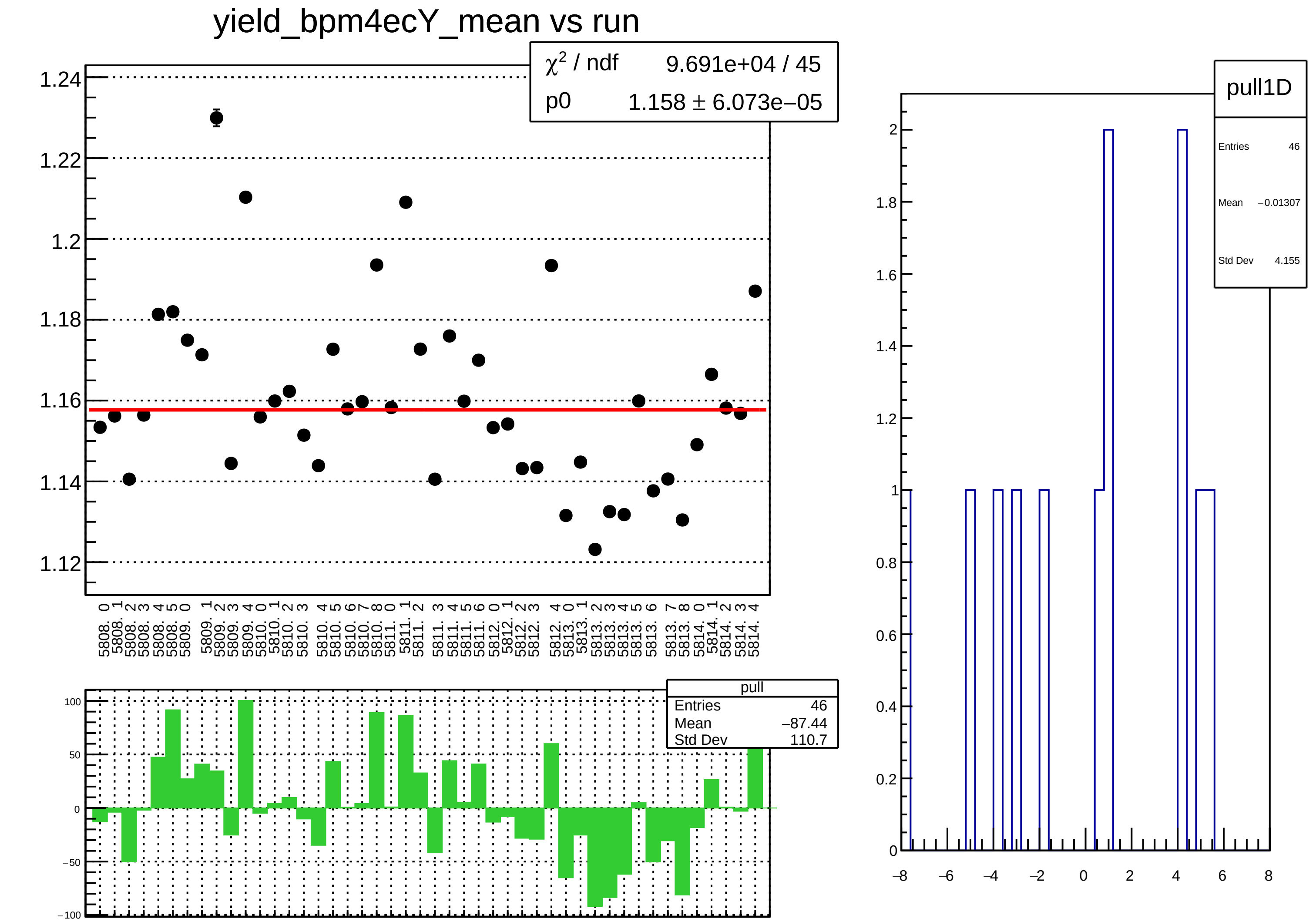
yield_bpm4acY_rms vs run
χ^2 / ndf 5.452e+04 / 45
p0 0.04259 ± 4.612e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



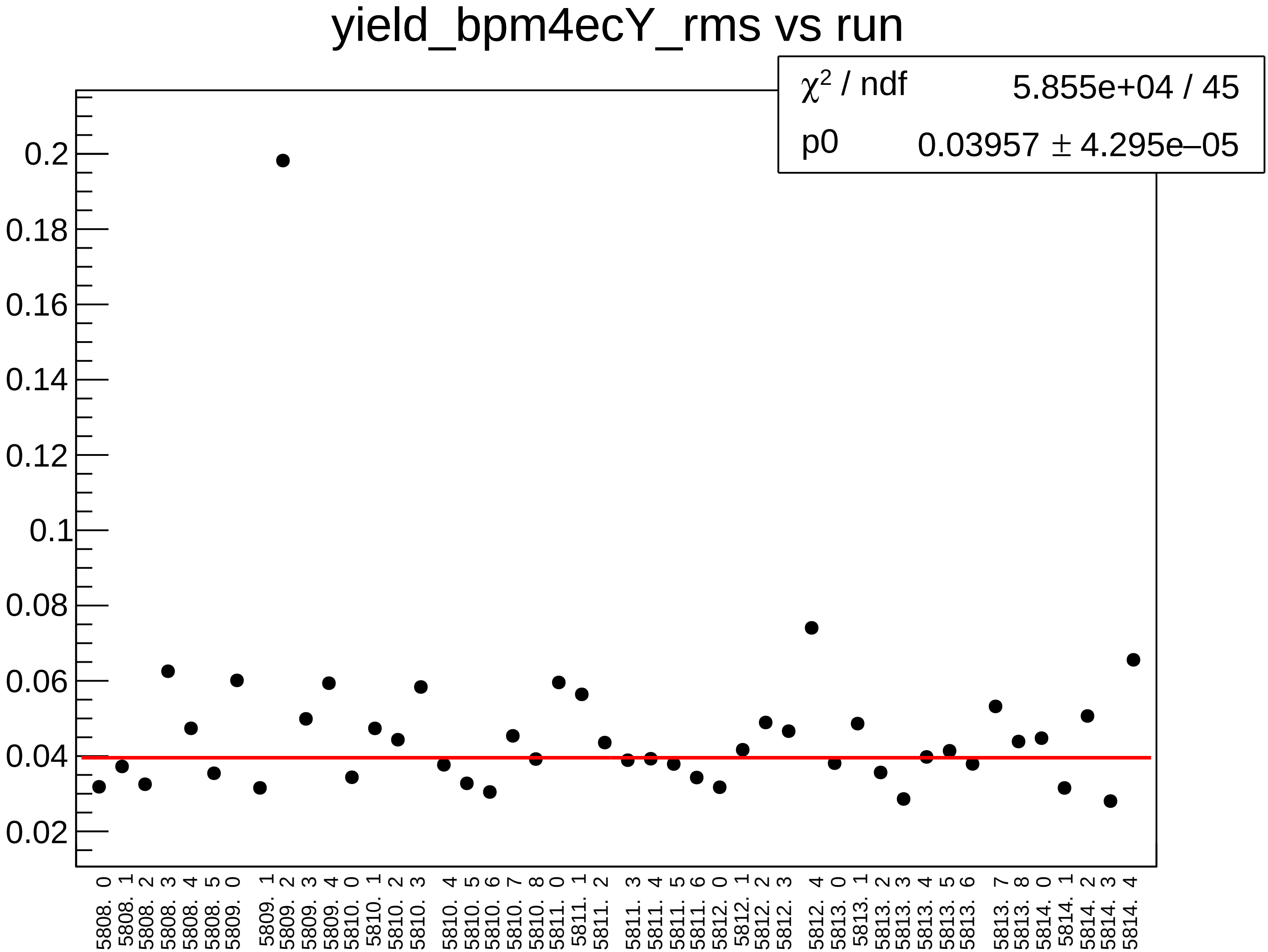
yield_bpm4ecX_mean vs run
χ2 / ndf 1.176e+05 / 45
p0 −0.2573 ± 2.789e−05
pull
Entries 46
Mean 93.97
Std Dev 68.09
pull1D
Entries 46
Mean 0.7998
Std Dev 4.187



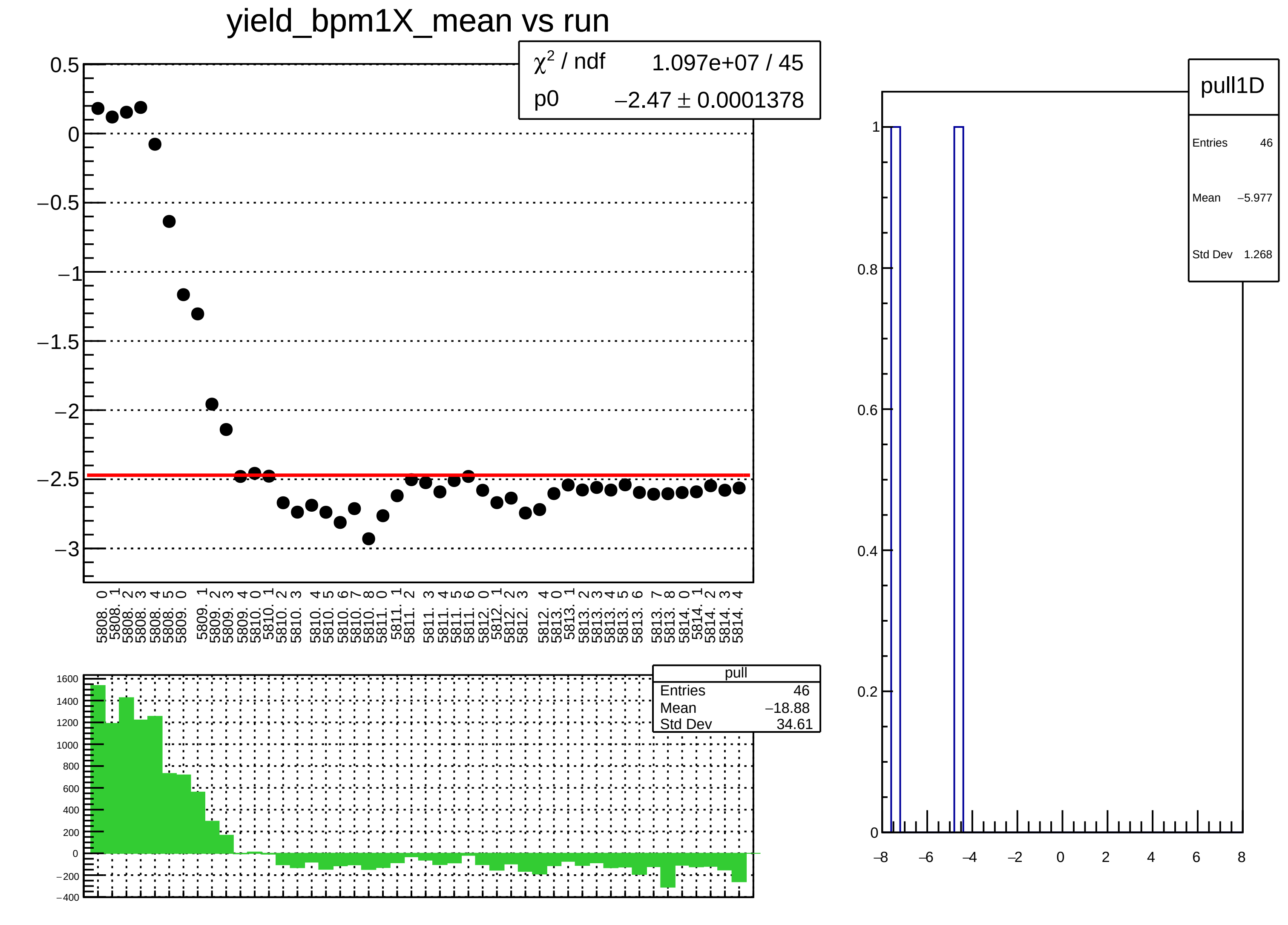
yield_bpm4ecX_rms vs run
χ^2 / ndf 1.288e+05 / 45
p0 0.0174 ± 1.972e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



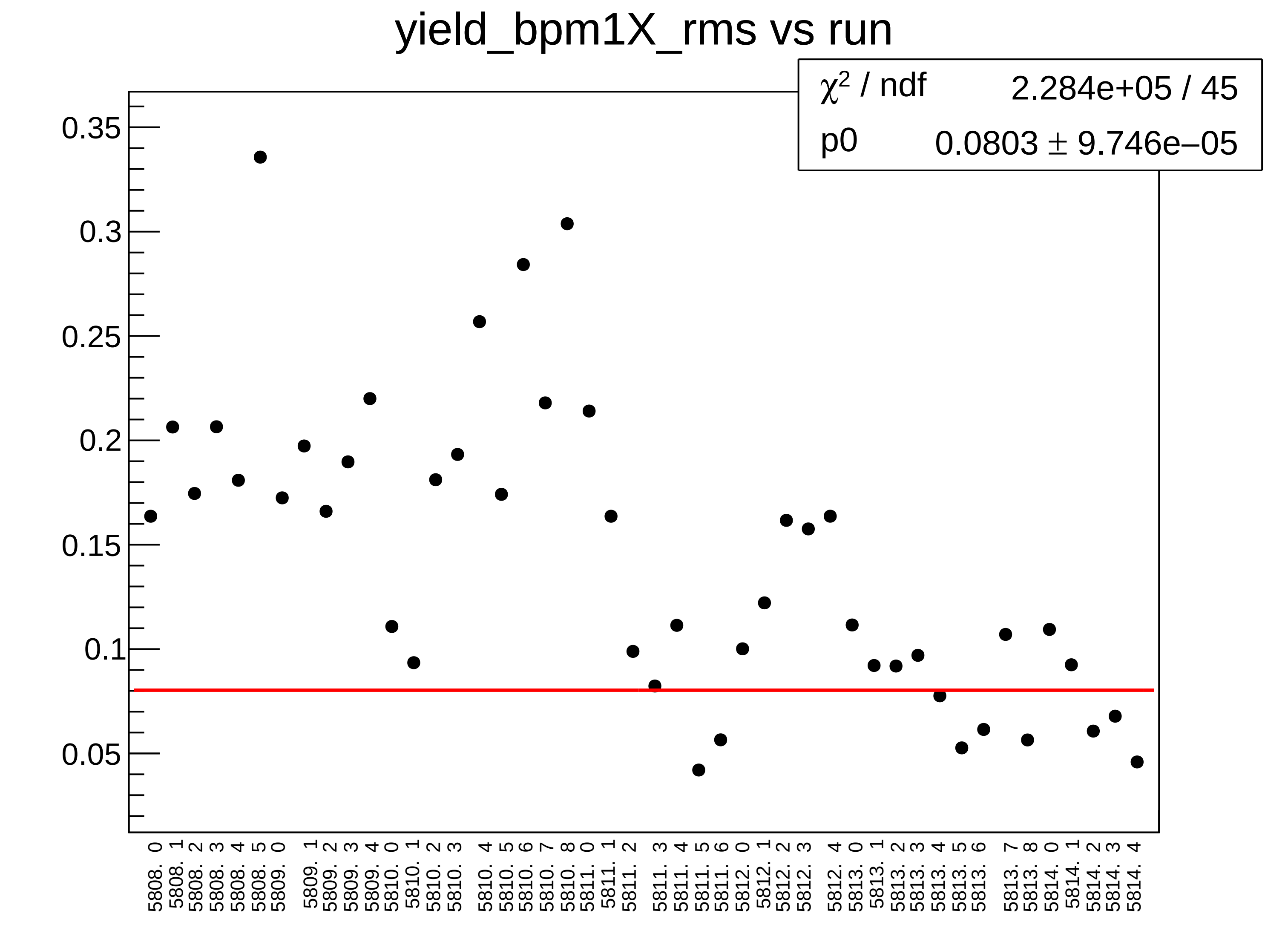
yield_bpm4ecY_mean vs run
χ2 / ndf 9.691e+04 / 45
p0 1.158 ± 6.073e−05
pull
Entries 46
Mean −87.44
Std Dev 110.7
pull1D
Entries 46
Mean −0.01307
Std Dev 4.155

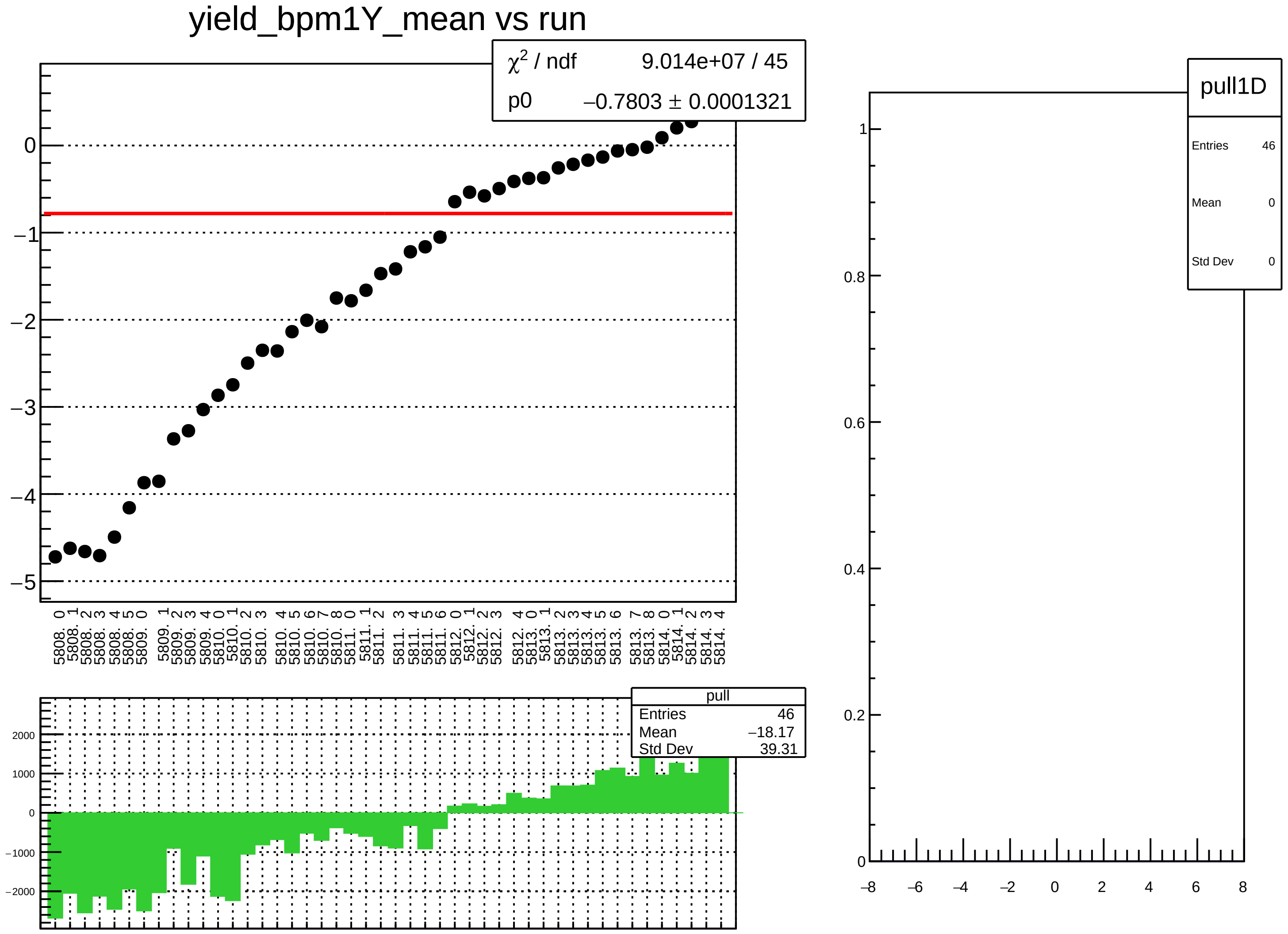


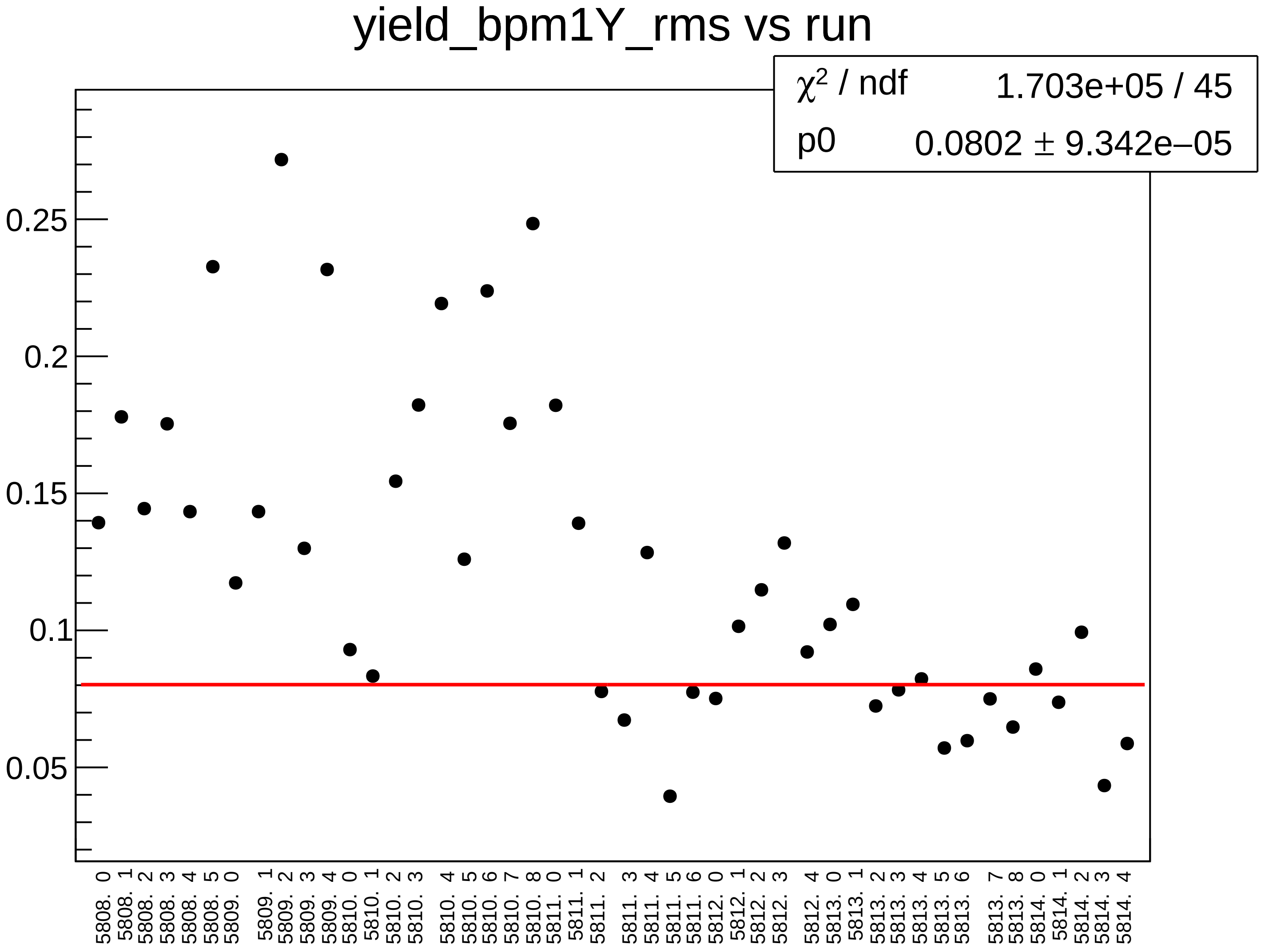
yield_bpm4ecY_rms vs run
χ² / ndf 5.855e+04 / 45
p0 0.03957 ± 4.295e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02



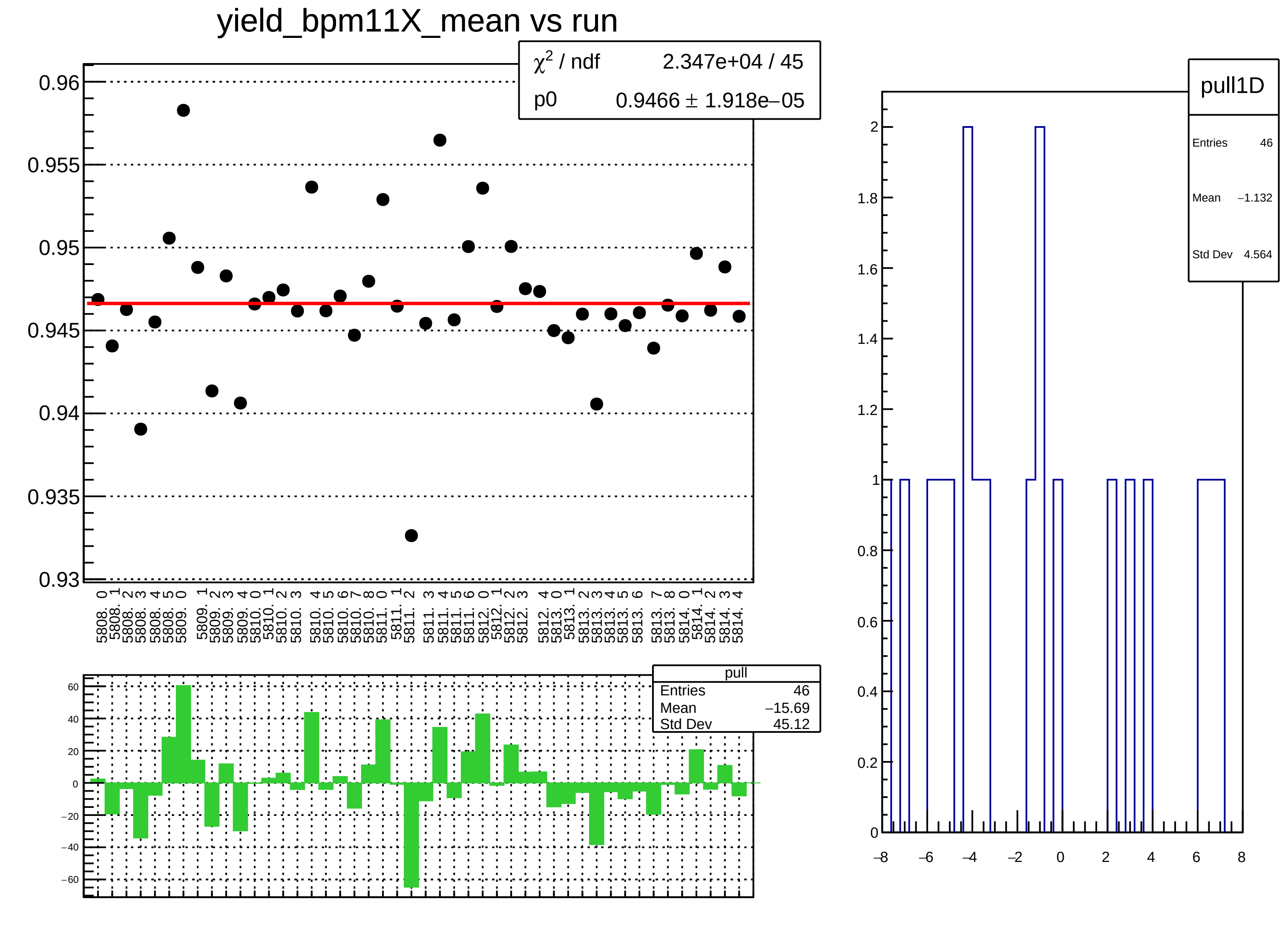
yield_bpm1X_mean vs run
χ^2 / ndf 1.097e+07 / 45
p0 −2.47 ± 0.0001378
pull
Entries 46
Mean −18.88
Std Dev 34.61
pull1D
Entries 46
Mean −5.977
Std Dev 1.268


yield_bpm1X_rms vs run
χ^2 / ndf 2.284e+05 / 45
p0 0.0803 ± 9.746e−05
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

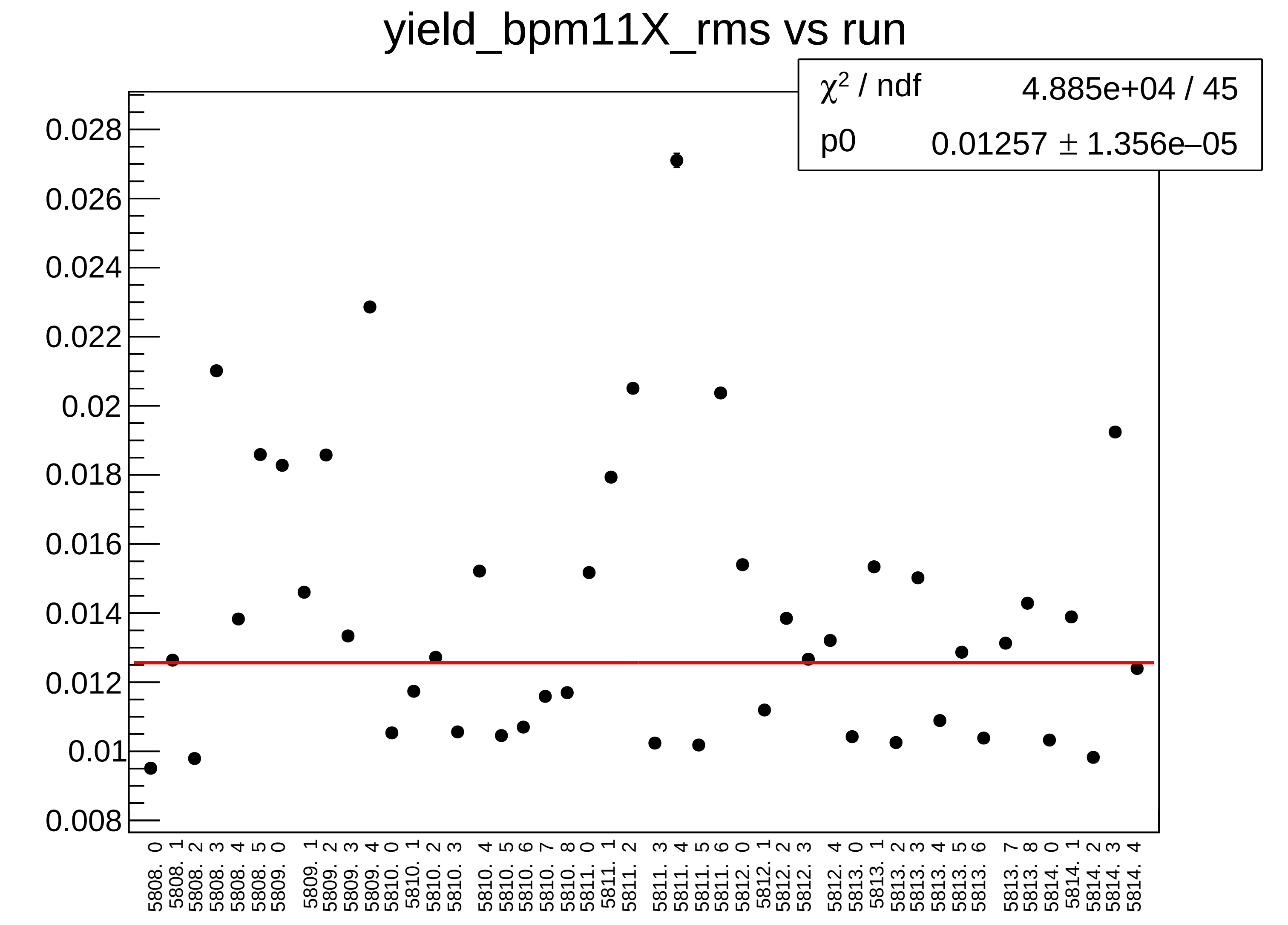

yield_bpm1Y_mean vs run
χ2 / ndf 9.014e+07 / 45
p0 −0.7803 ± 0.0001321
pull
Entries 46
Mean −18.17
Std Dev 39.31
pull1D
Entries 46
Mean 0
Std Dev 0

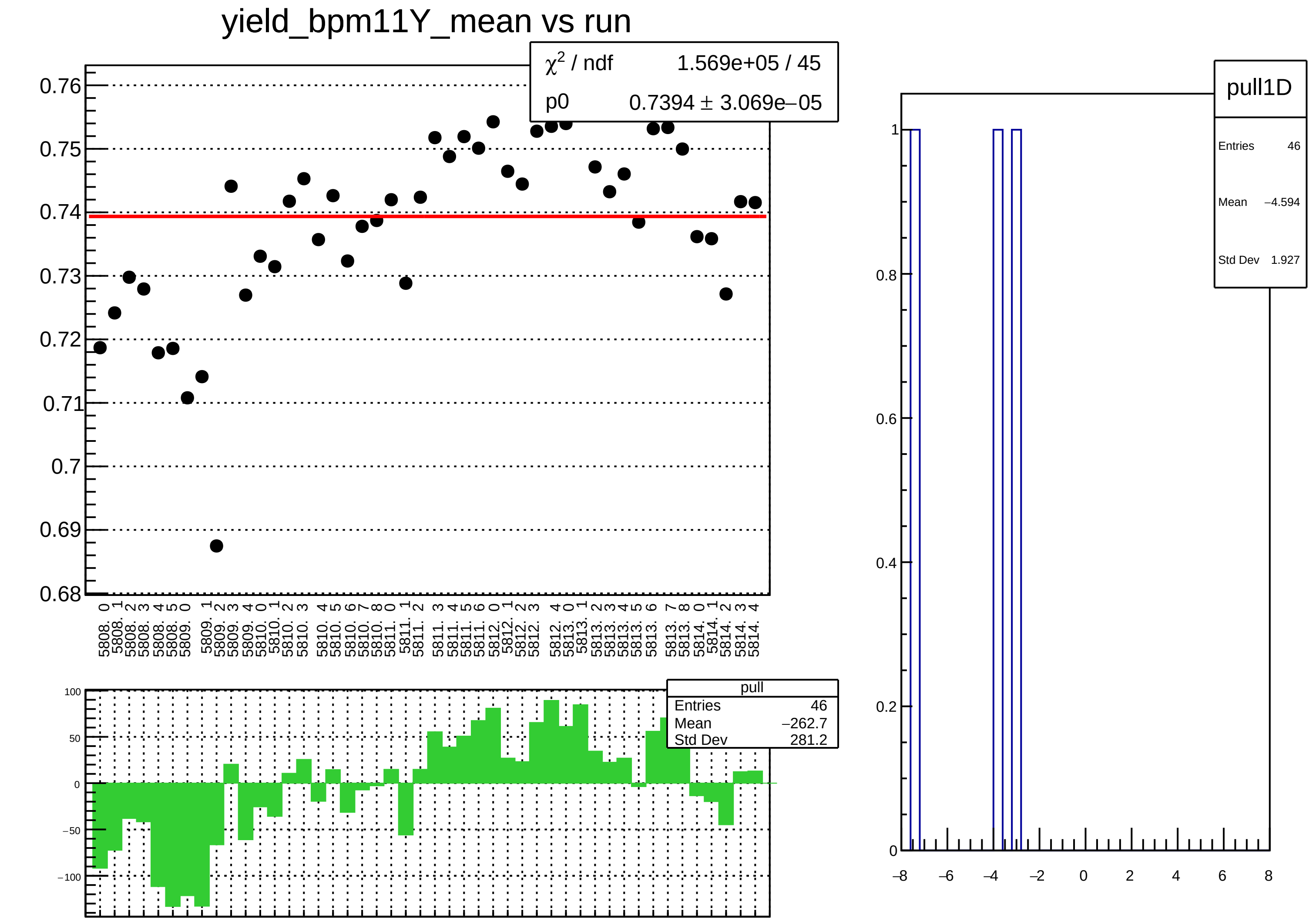


yield_bpm1Y_rms vs run
χ^2 / ndf 1.703e+05 / 45
p0 0.0802 ± 9.342e−05
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

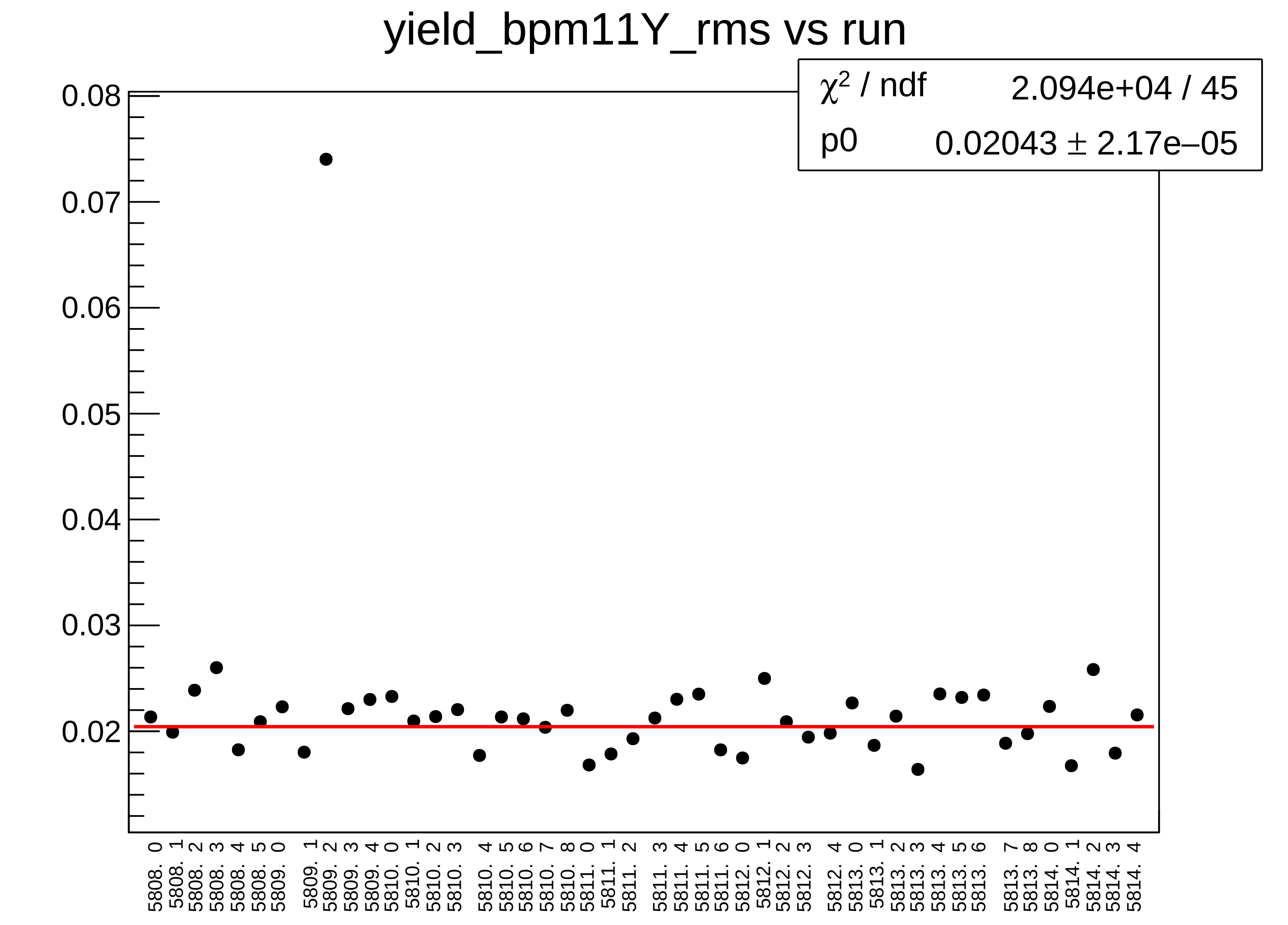


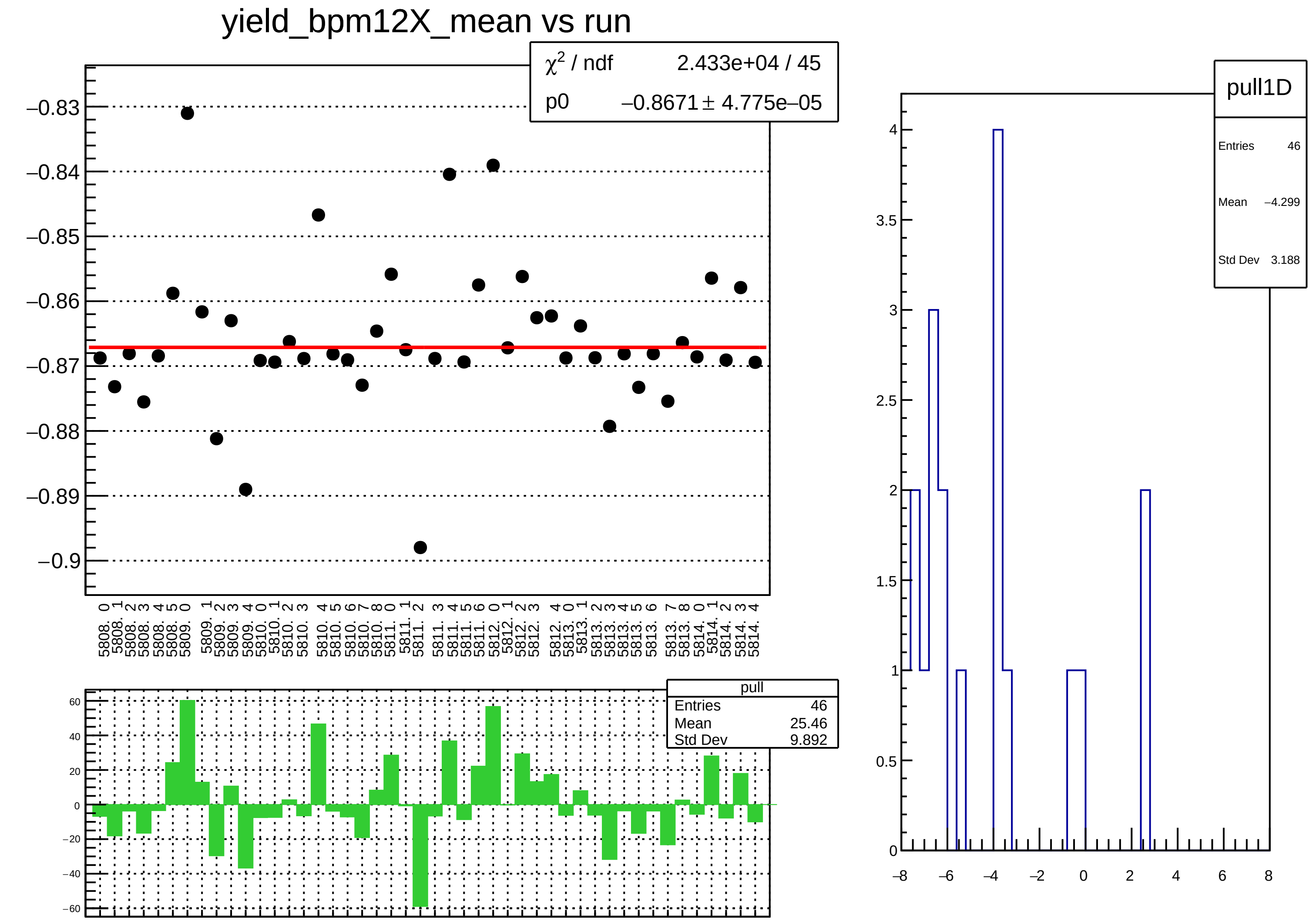
yield_bpm11X_mean vs run
χ^2 / ndf 2.347e+04 / 45
p0 0.9466 ± 1.918e−05
pull
Entries 46
Mean −15.69
Std Dev 45.12
pull1D
Entries 46
Mean −1.132
Std Dev 4.564

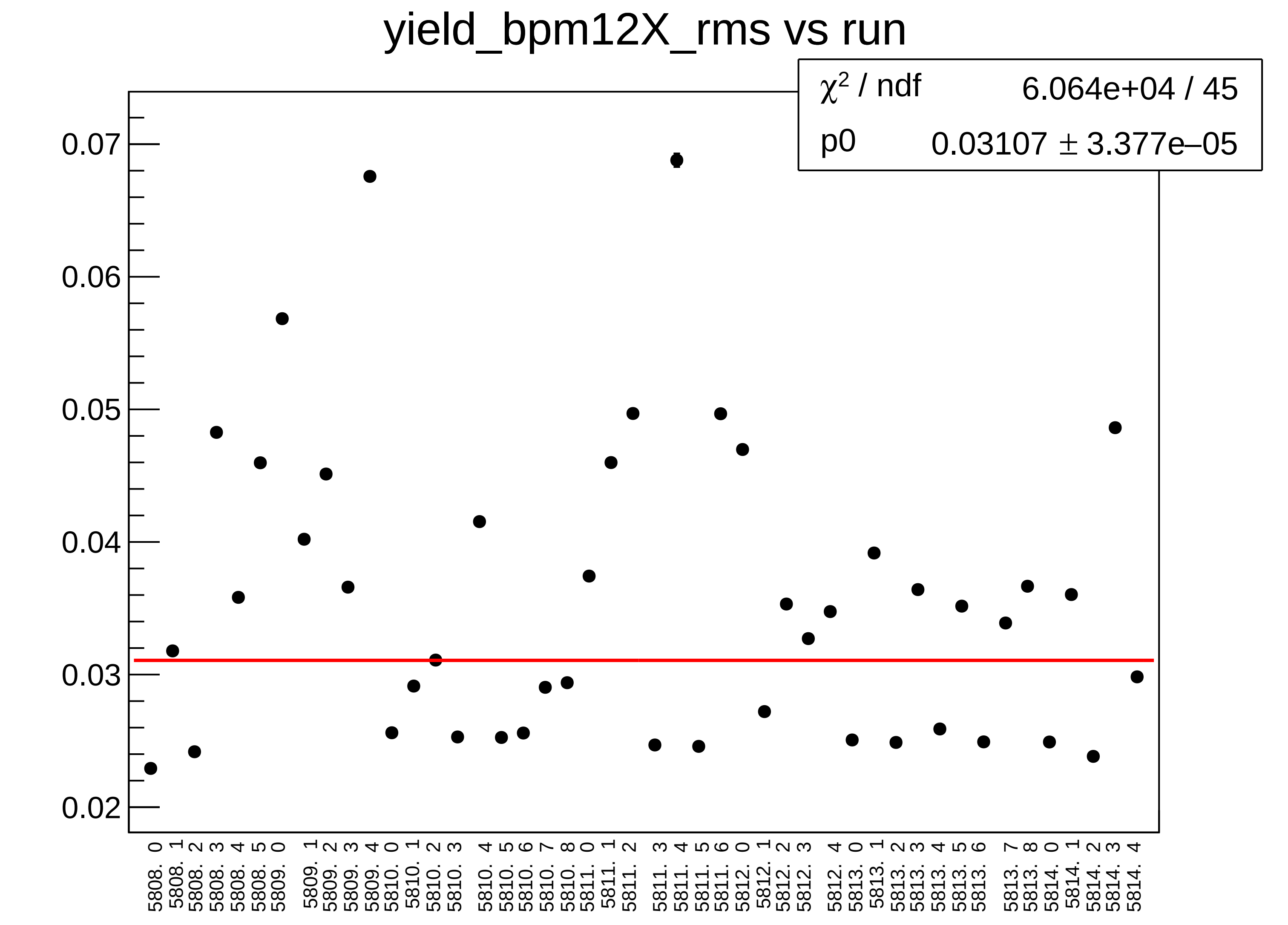

yield_bpm11X_rms vs run
χ2 / ndf 4.885e+04 / 45
p0 0.01257 ± 1.356e−05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



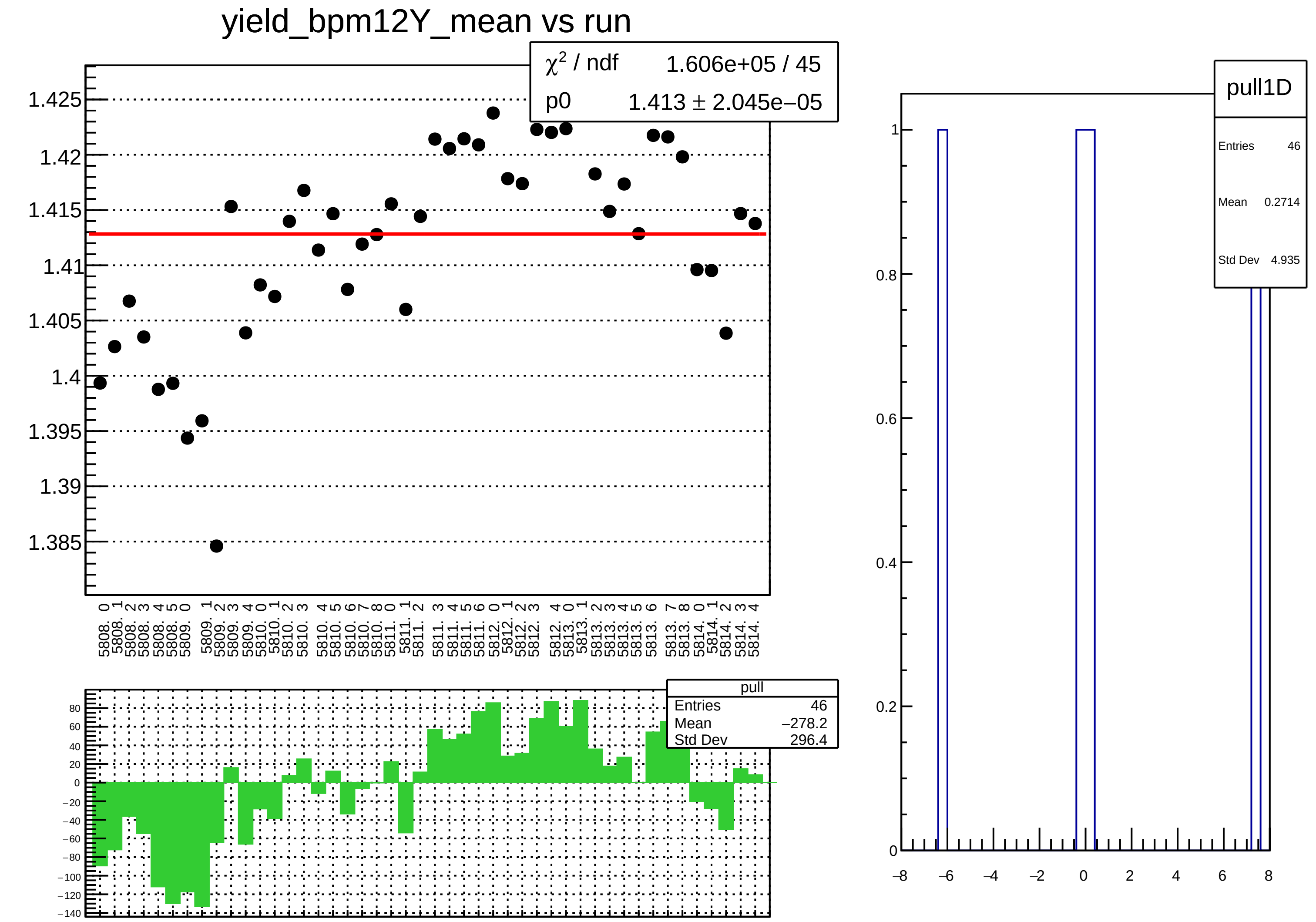
yield_bpm11Y_mean vs run
χ^2 / ndf 1.569e+05 / 45
p0 0.7394 ± 3.069e−05
pull
Entries 46
Mean −262.7
Std Dev 281.2
pull1D
Entries 46
Mean −4.594
Std Dev 1.927


yield_bpm11Y_rms vs run
χ^2 / ndf 2.094e+04 / 45
p0 0.02043 ± 2.17e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

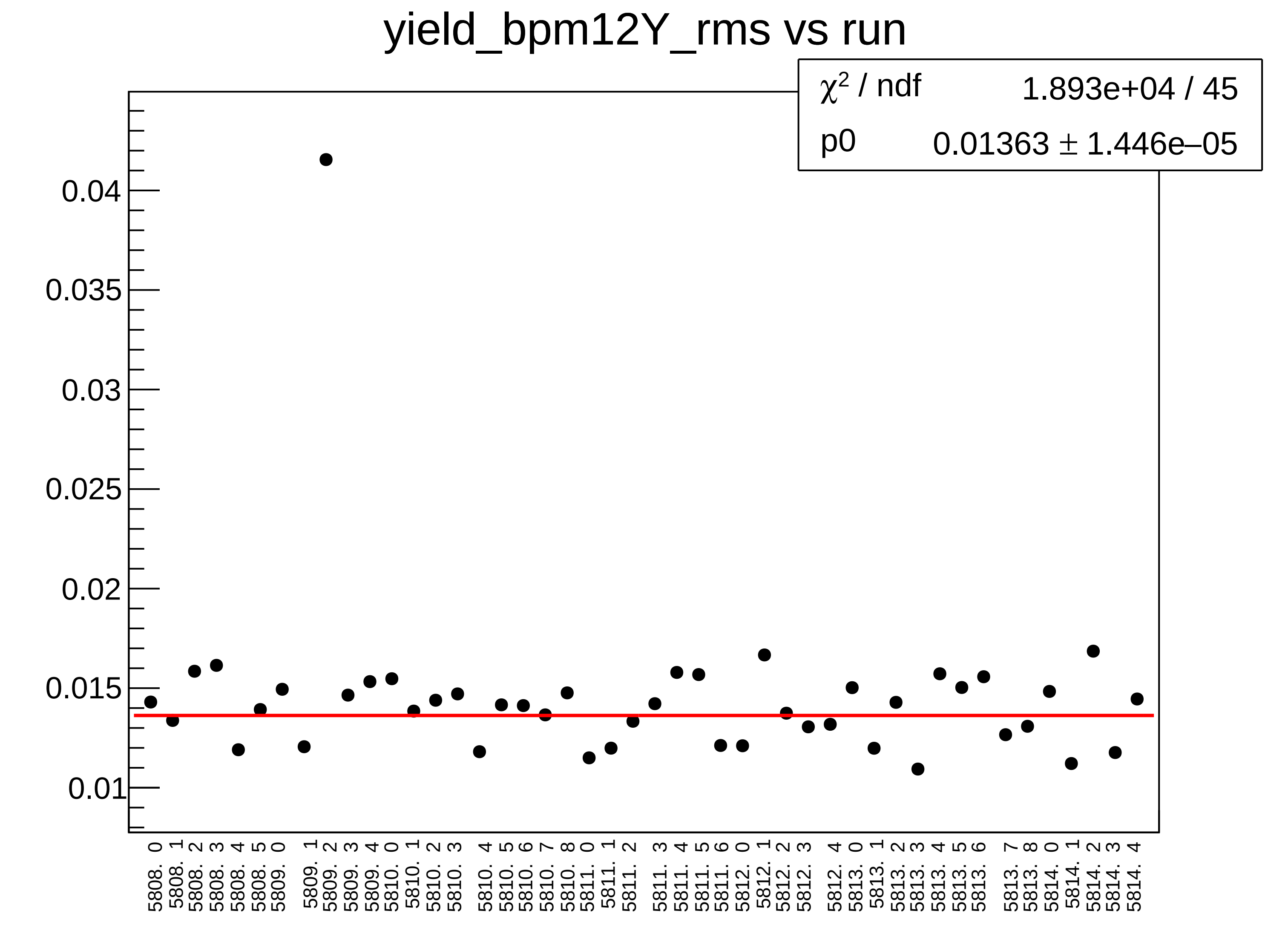

yield_bpm12X_mean vs run
χ^2 / ndf 2.433e+04 / 45
p0 −0.8671 ± 4.775e−05
pull
Entries 46
Mean 25.46
Std Dev 9.892
pull1D
Entries 46
Mean −4.299
Std Dev 3.188



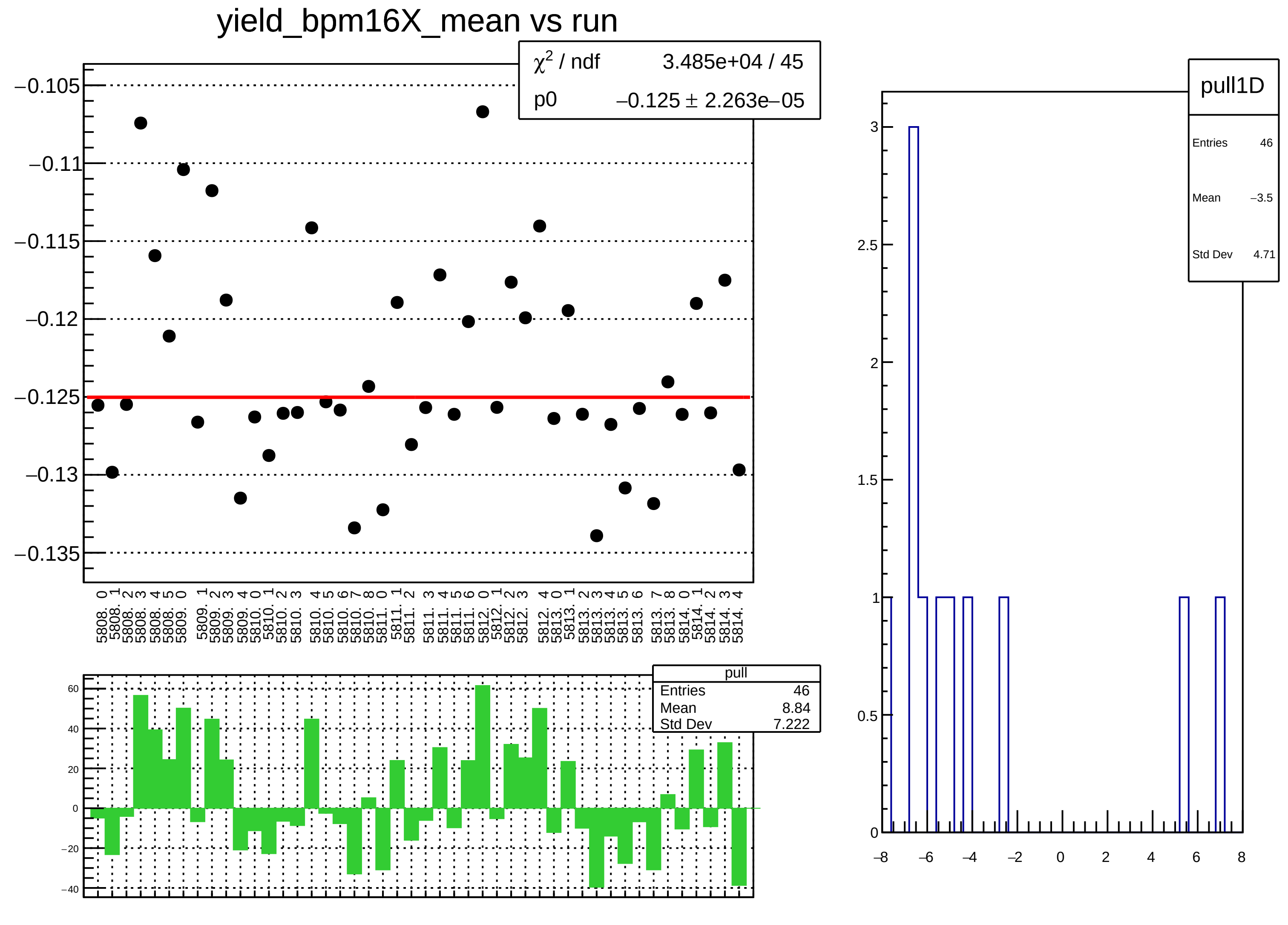
yield_bpm12X_rms vs run
χ^2 / ndf 6.064e+04 / 45
p0 0.03107 ± 3.377e−05
0.07
0.06
0.05
0.04
0.03
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



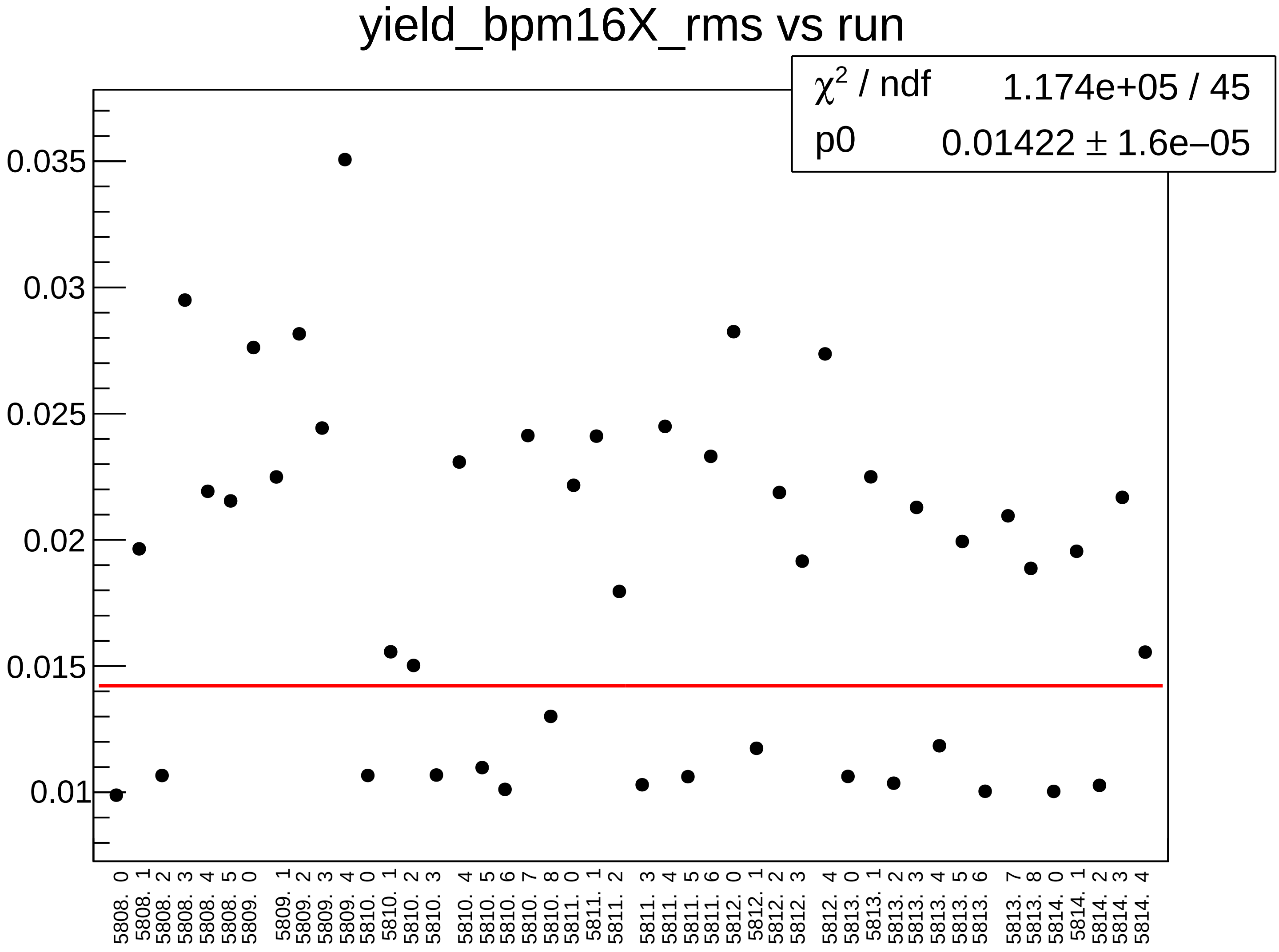
yield_bpm12Y_mean vs run
χ^2 / ndf 1.606e+05 / 45
p0 1.413 ± 2.045e−05
1.425
1.42
1.415
1.41
1.405
1.4
1.395
1.39
1.385
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
5813.1
5813.2
5813.3
5813.4
5813.5
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4
pull
Entries 46
Mean −278.2
Std Dev 296.4
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull1D
Entries 46
Mean 0.2714
Std Dev 4.935
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



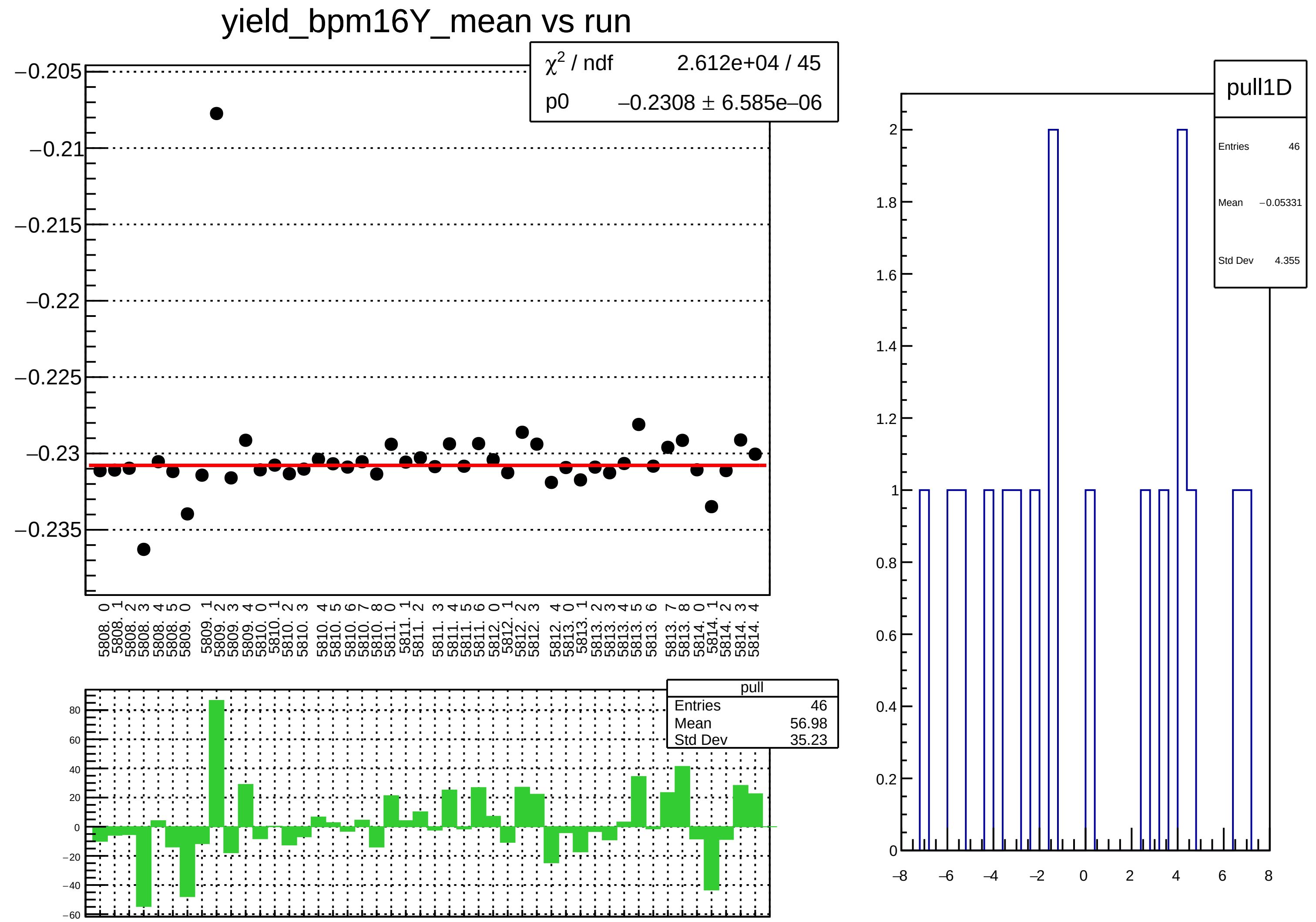
yield_bpm12Y_rms vs run
χ² / ndf 1.893e+04 / 45
p0 0.01363 ± 1.446e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01



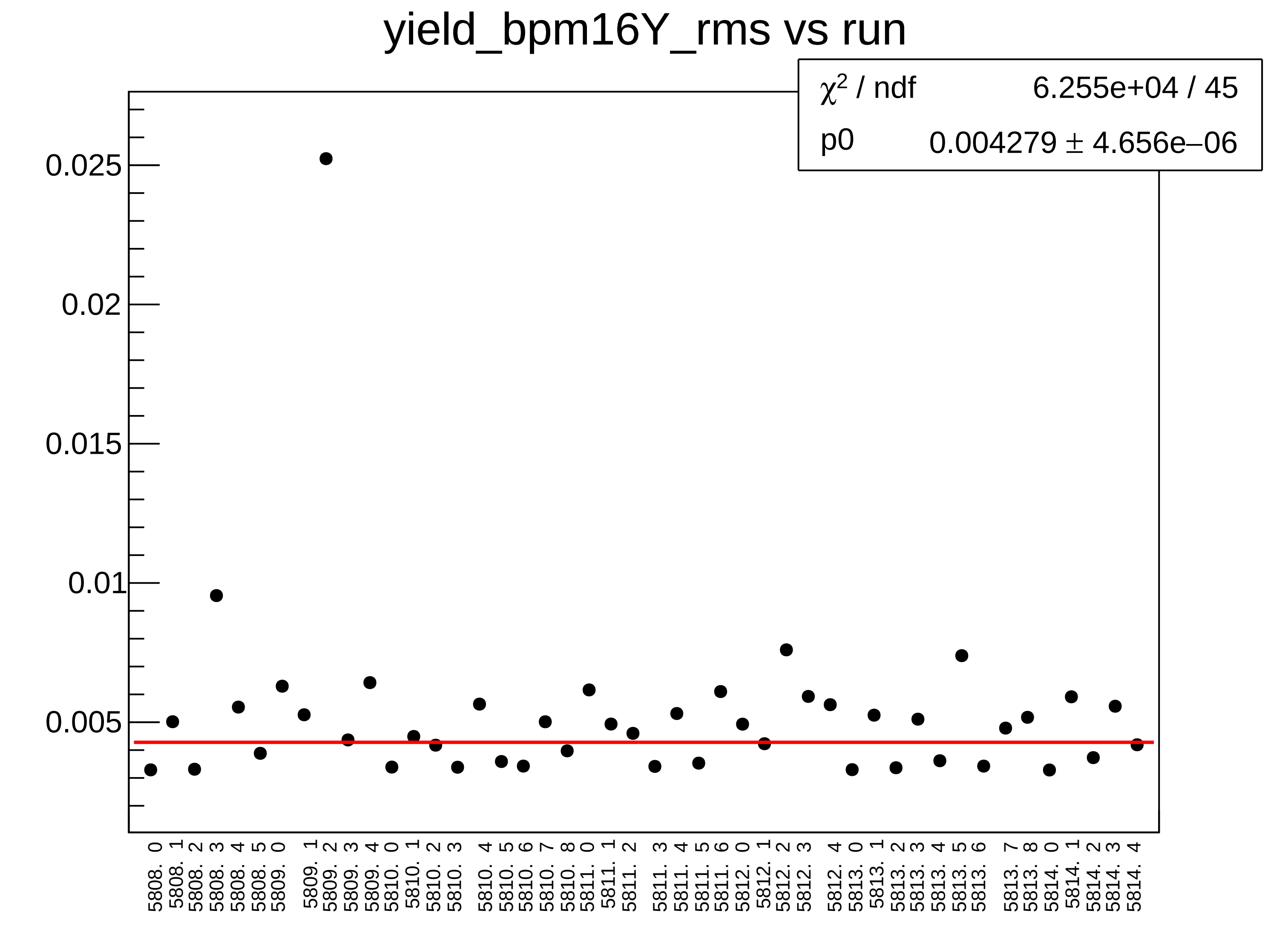
yield_bpm16X_mean vs run
χ^2 / ndf 3.485e+04 / 45
p0 −0.125 ± 2.263e−05
pull
Entries 46
Mean 8.84
Std Dev 7.222
pull1D
Entries 46
Mean −3.5
Std Dev 4.71

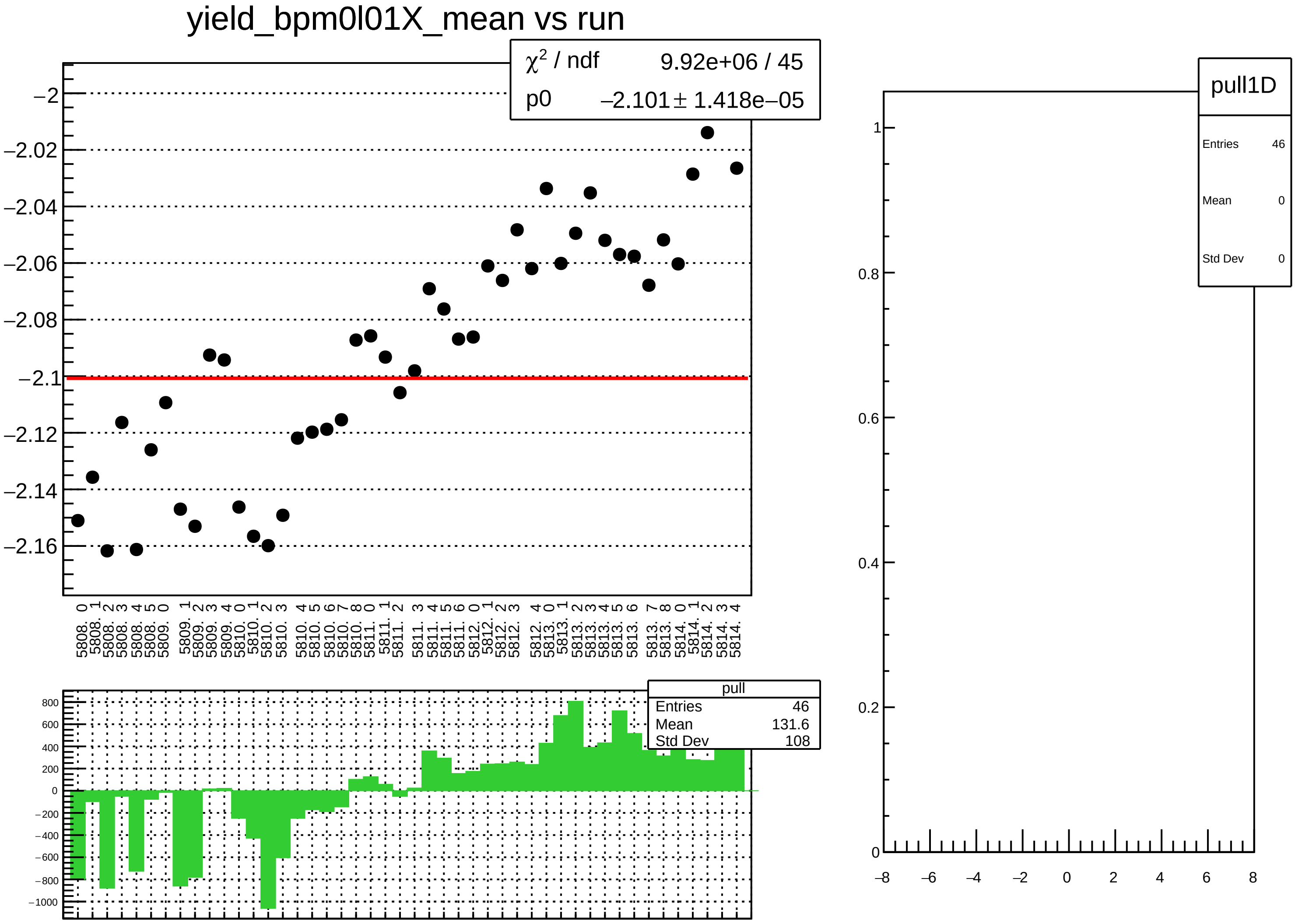


yield_bpm16X_rms vs run
χ^2 / ndf 1.174e+05 / 45
p0 0.01422 ± 1.6e−05
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

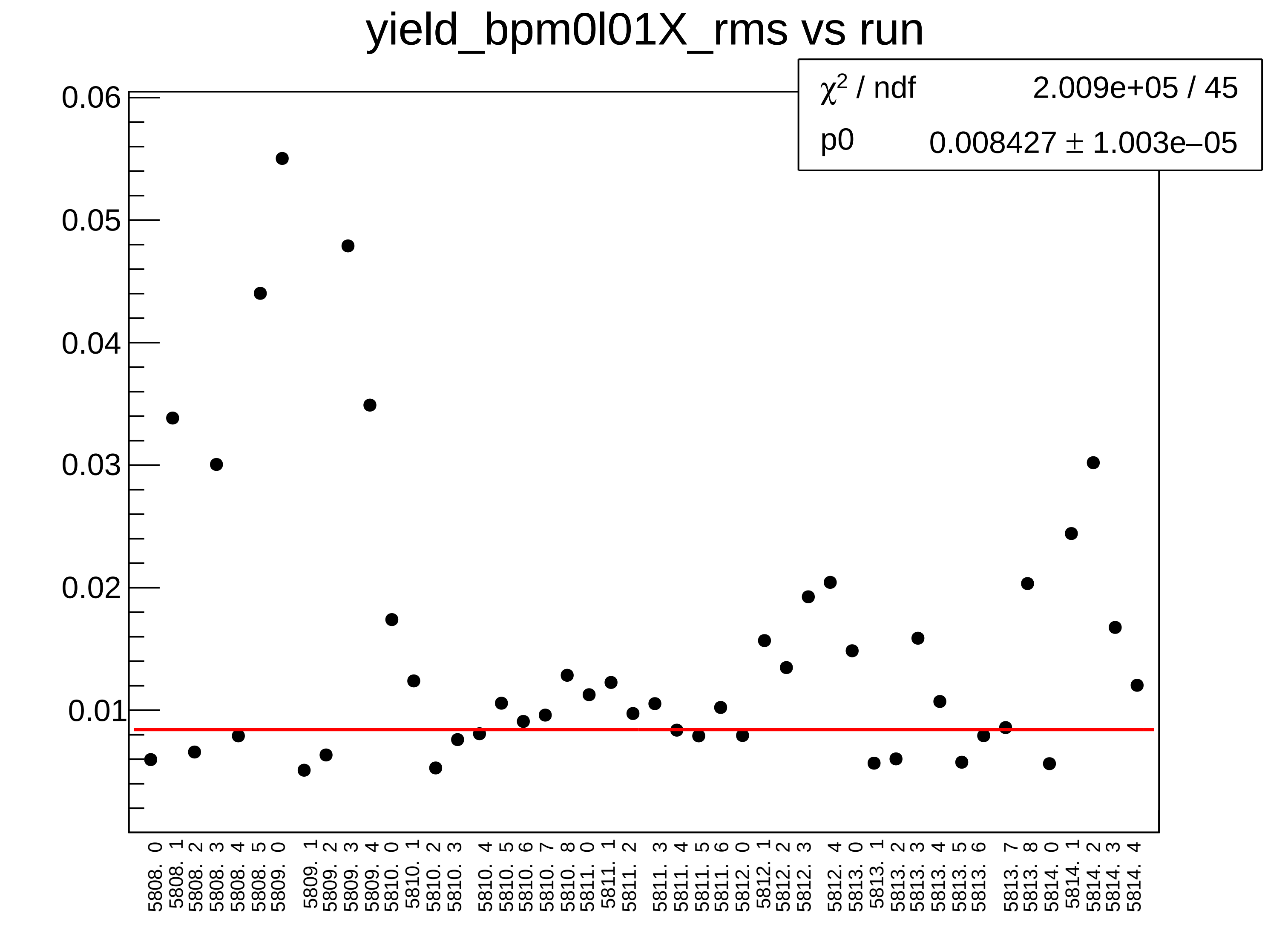


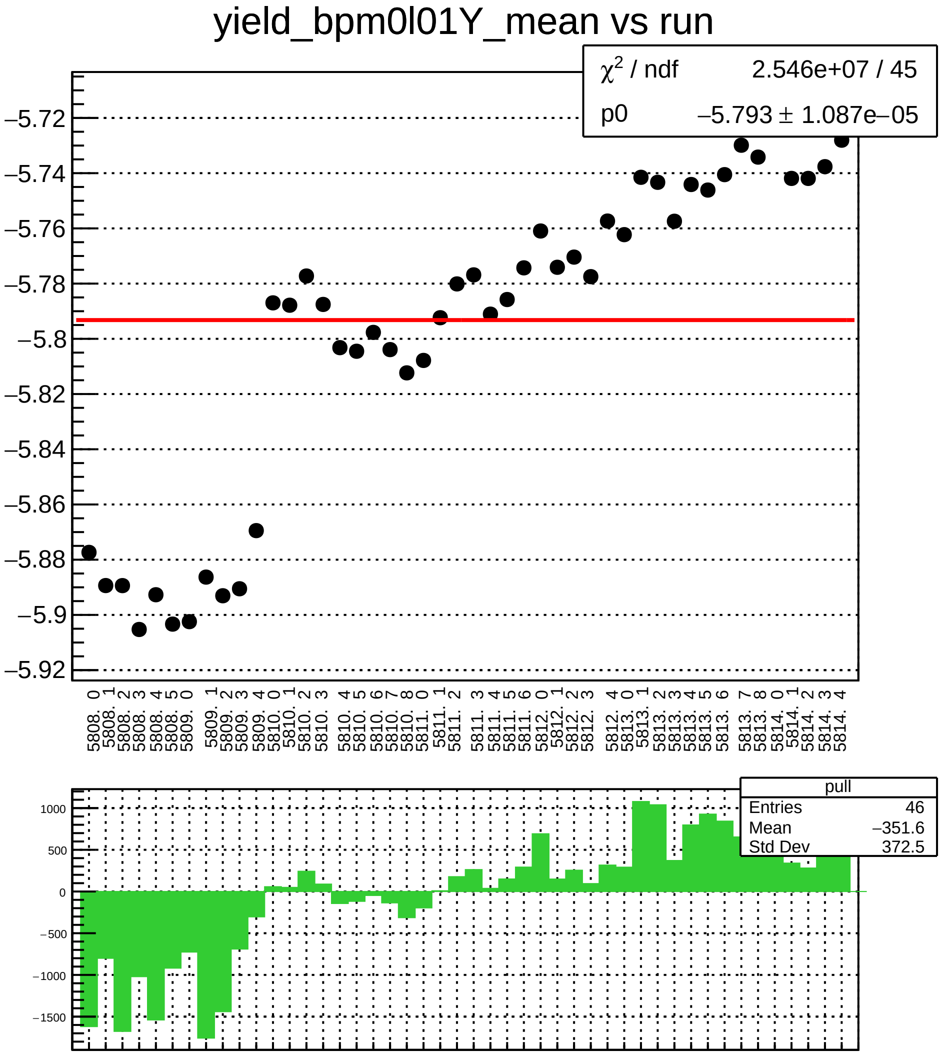
yield_bpm16Y_mean vs run
χ^2 / ndf 2.612e+04 / 45
p0 −0.2308 ± 6.585e−06
pull
Entries 46
Mean 56.98
Std Dev 35.23
pull1D
Entries 46
Mean −0.05331
Std Dev 4.355


yield_bpm16Y_rms vs run
χ2 / ndf 6.255e+04 / 45
p0 0.004279 ± 4.656e−06
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

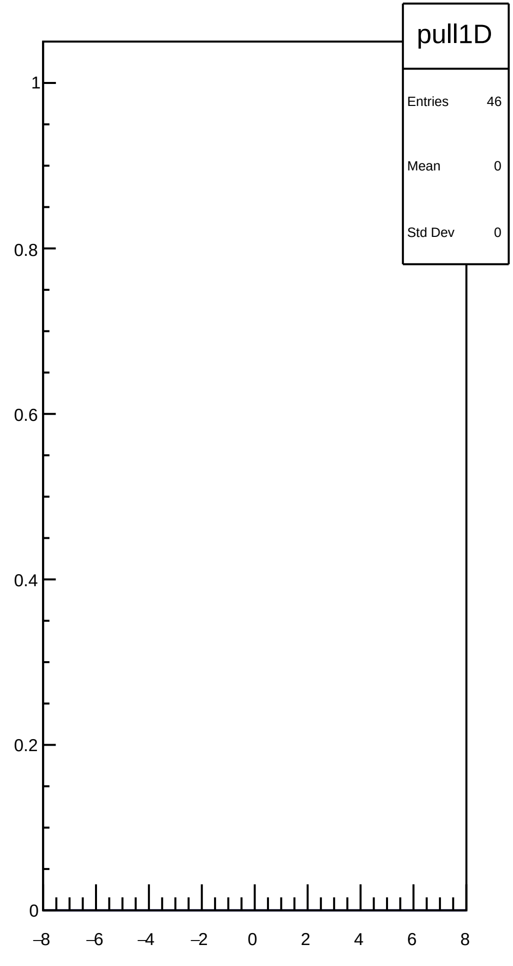


yield_bpm0l01X_mean vs run
χ^2 / ndf 9.92e+06 / 45
p0 −2.101 ± 1.418e−05
pull
Entries 46
Mean 131.6
Std Dev 108
pull1D
Entries 46
Mean 0
Std Dev 0

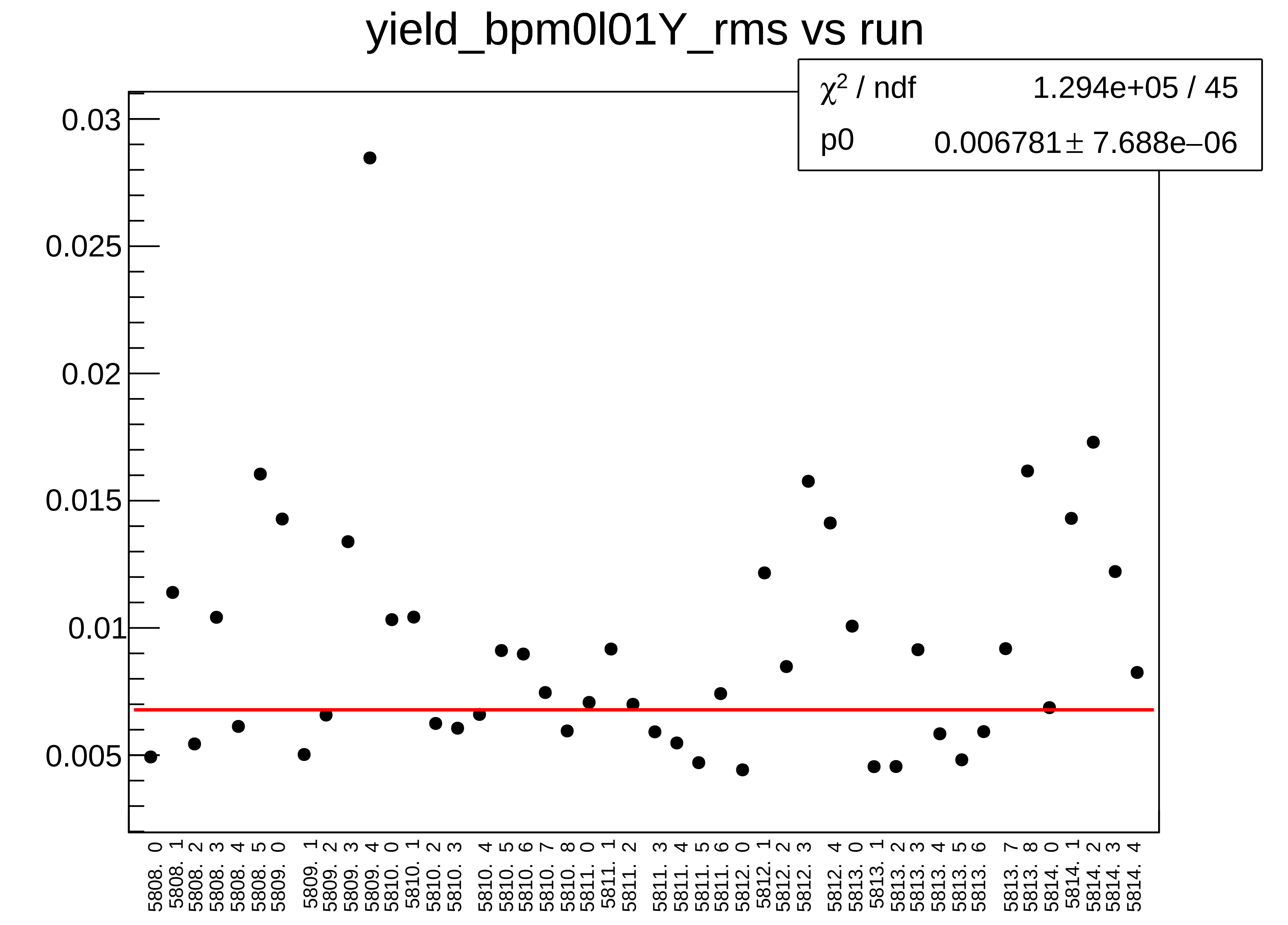

yield_bpm0l01X_rms vs run
χ2 / ndf 2.009e+05 / 45
p0 0.008427 ± 1.003e−05
0.06
0.05
0.04
0.03
0.02
0.01

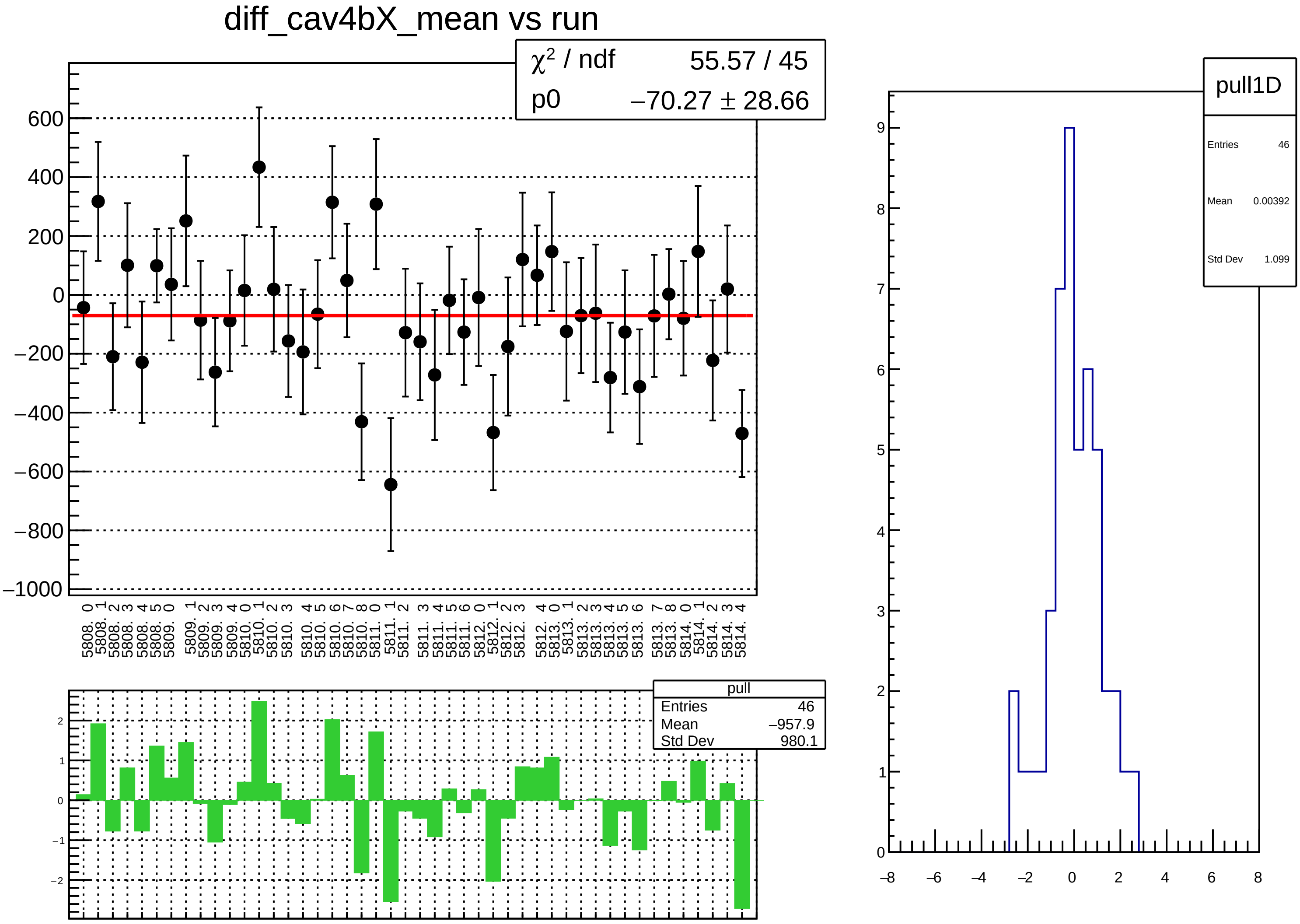


yield_bpm0l01Y_mean vs run
χ^2 / ndf 2.546e+07 / 45
p0 −5.793 ± 1.087e−05
pull
Entries 46
Mean −351.6
Std Dev 372.5

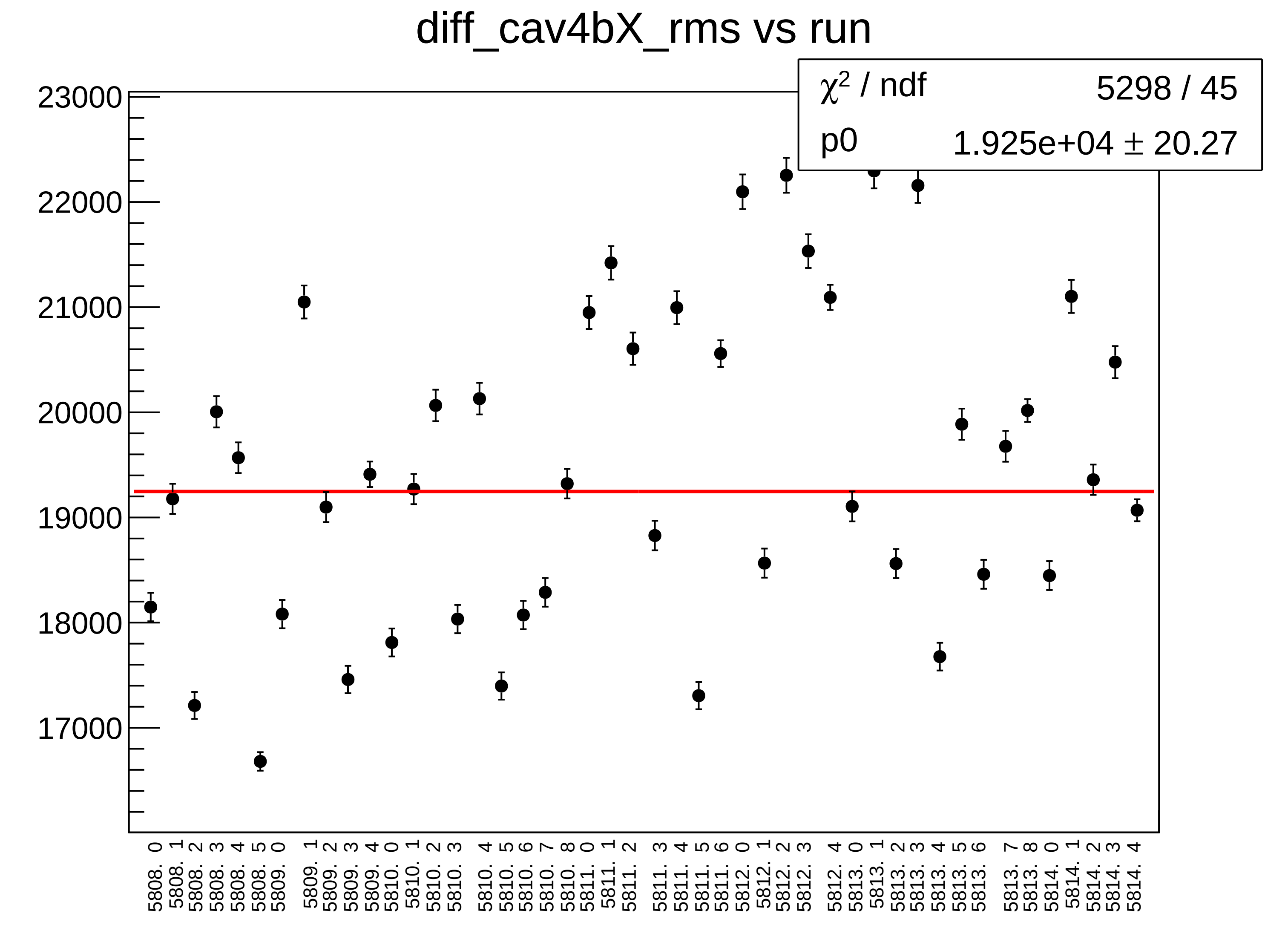


pull1D
Entries 46
Mean 0
Std Dev 0

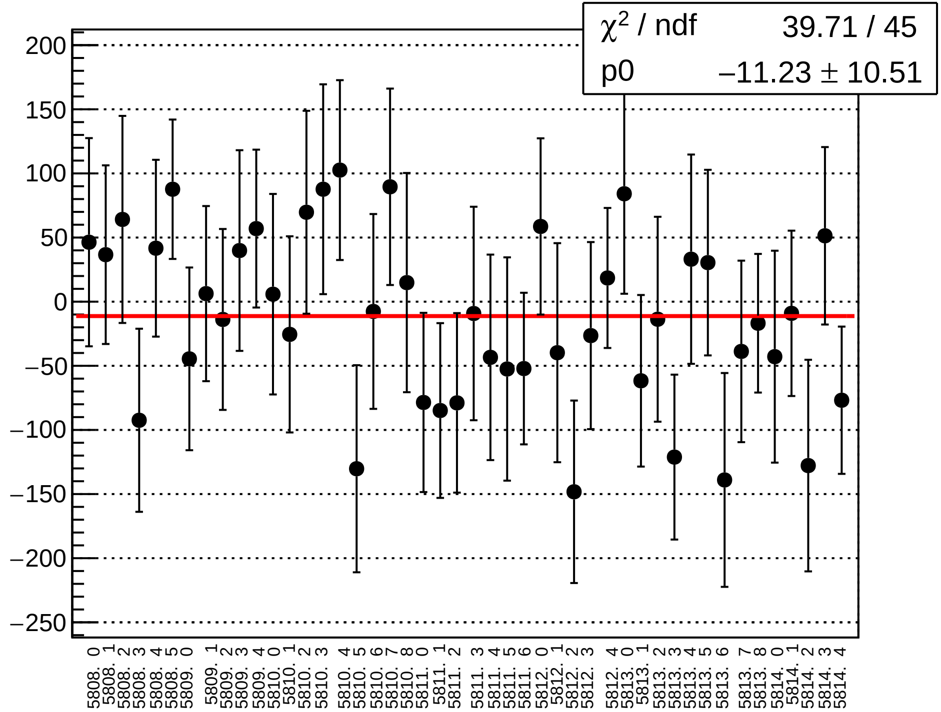

yield_bpm0l01Y_rms vs run
χ2 / ndf 1.294e+05 / 45
p0 0.006781 ± 7.688e−06
0.03
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

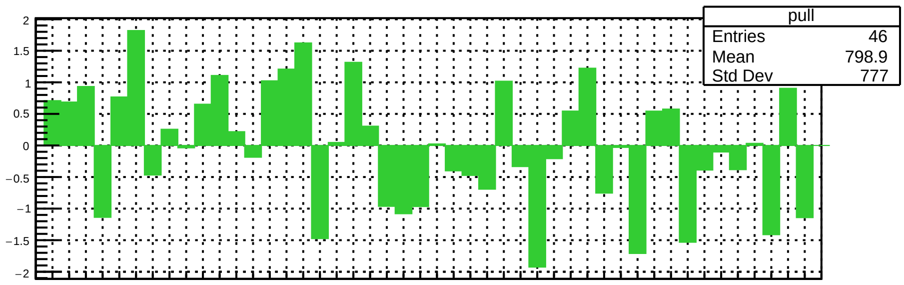


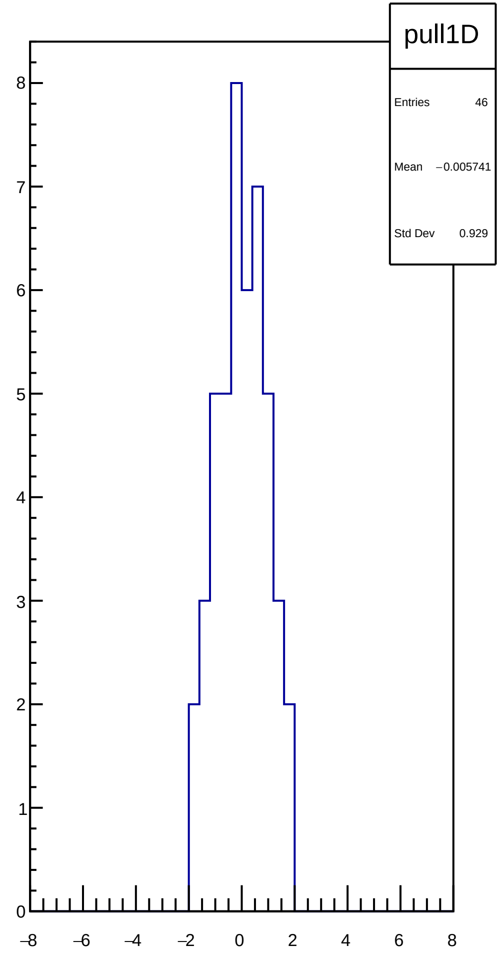
diff_cav4bX_mean vs run
χ^2 / ndf 55.57 / 45
p0 −70.27 ± 28.66
pull
Entries 46
Mean −957.9
Std Dev 980.1
pull1D
Entries 46
Mean 0.00392
Std Dev 1.099

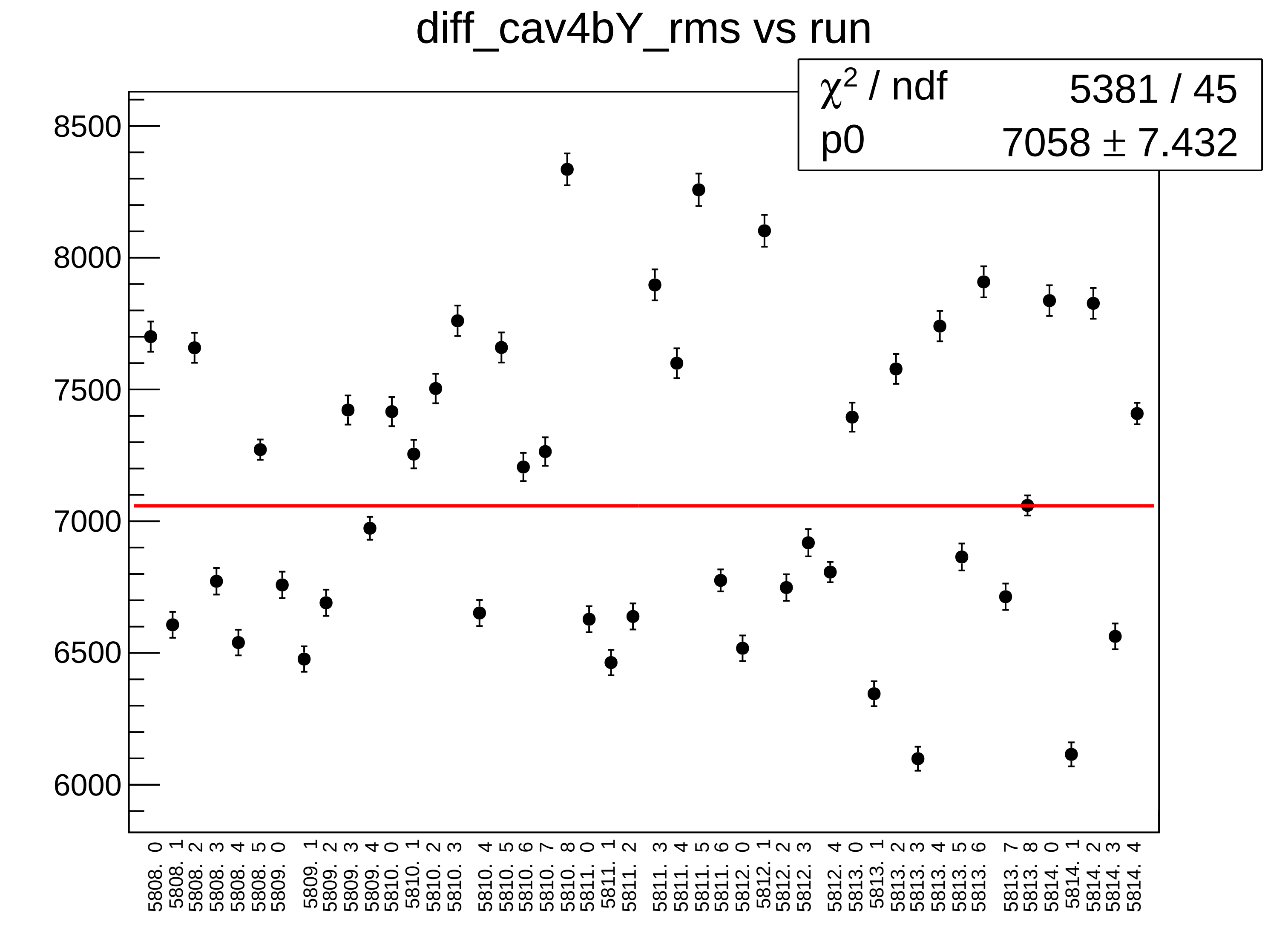

diff_cav4bX_rms vs run
χ^2 / ndf 5298 / 45
p0 1.925e+04 ± 20.27
23000
22000
21000
20000
19000
18000
17000

diff_cav4bY_mean vs run








diff_cav4bY_rms vs run
χ^2 / ndf 5381 / 45
p0 7058 ± 7.432
8500
8000
7500
7000
6500
6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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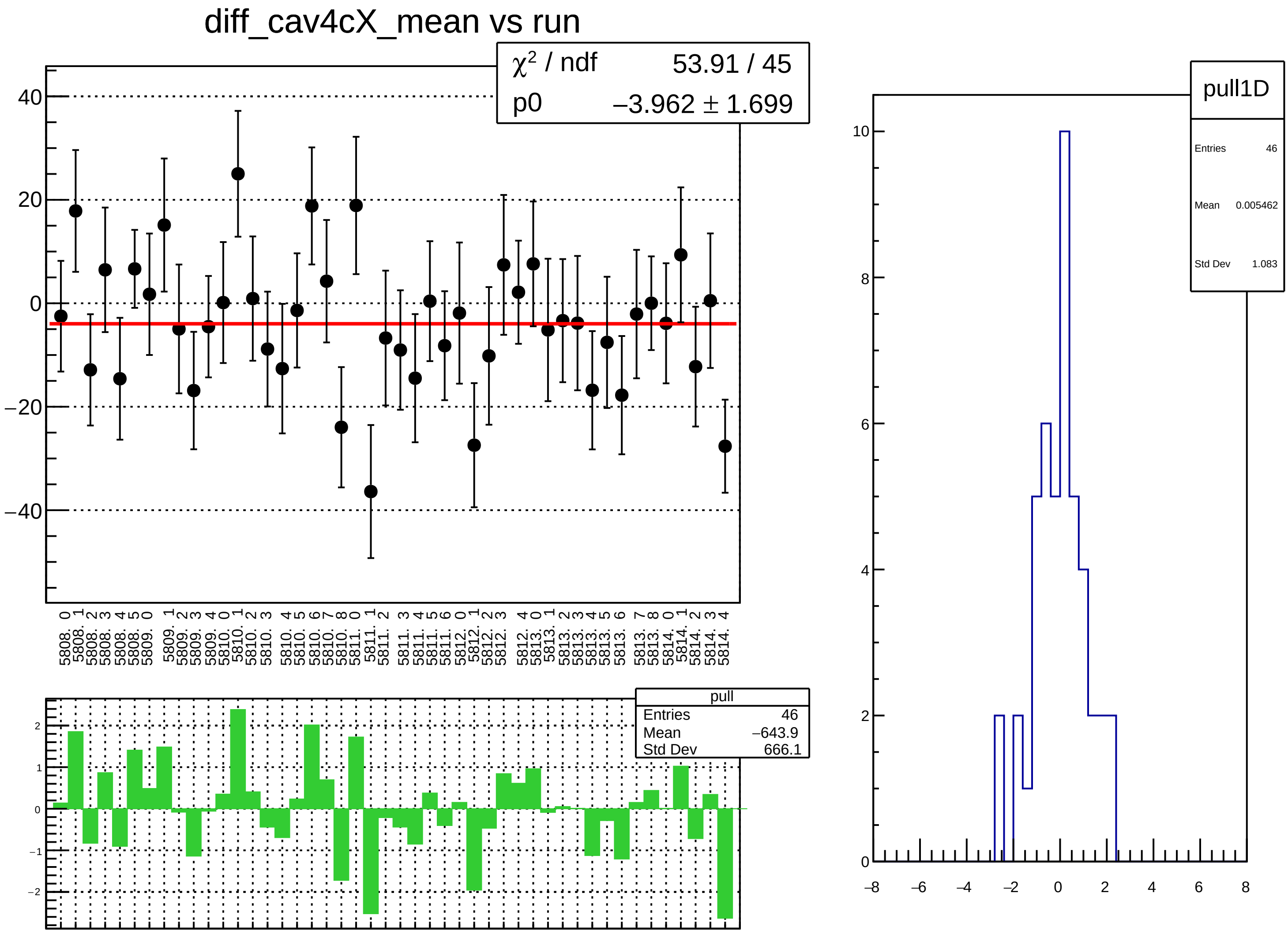
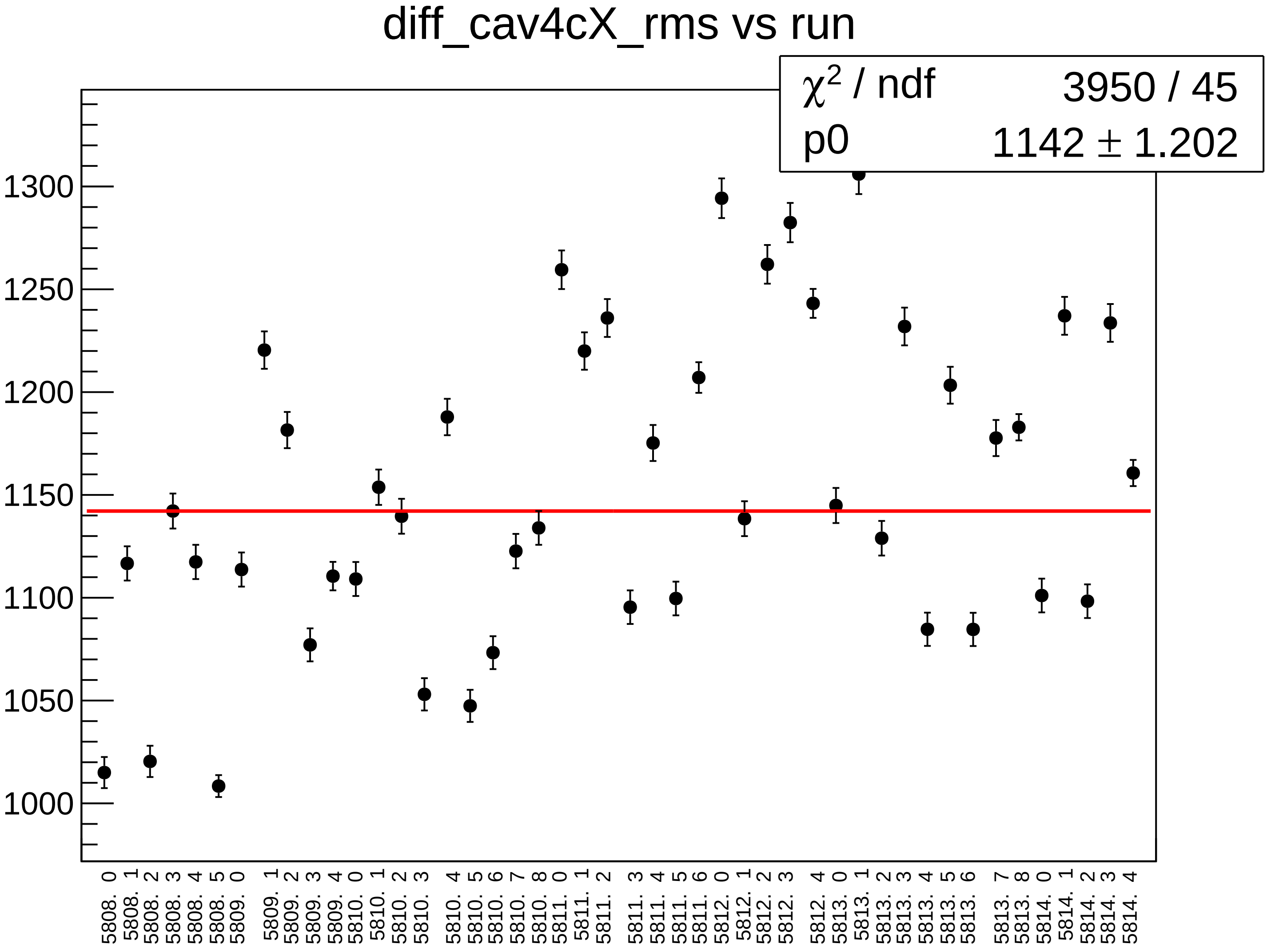
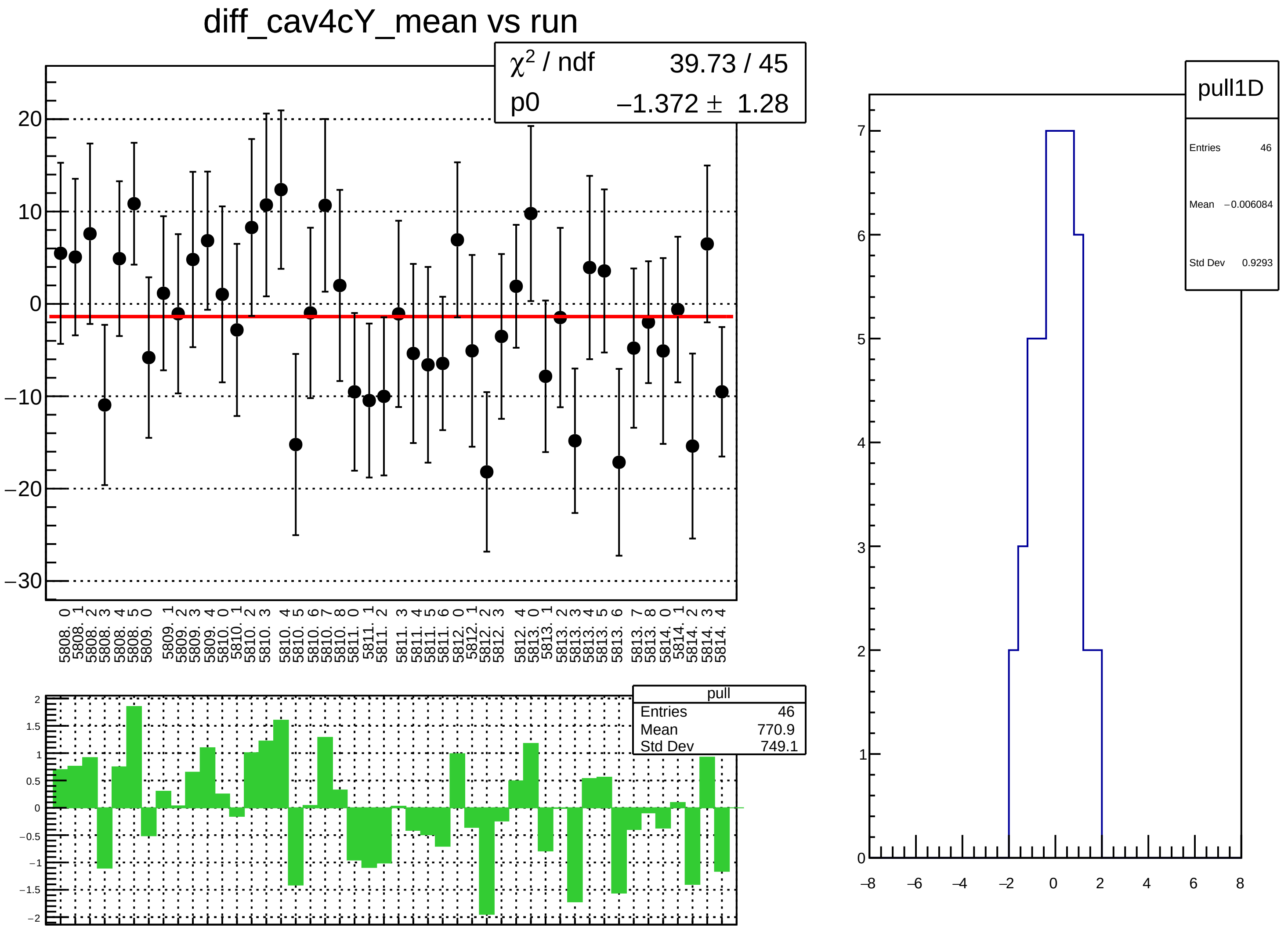
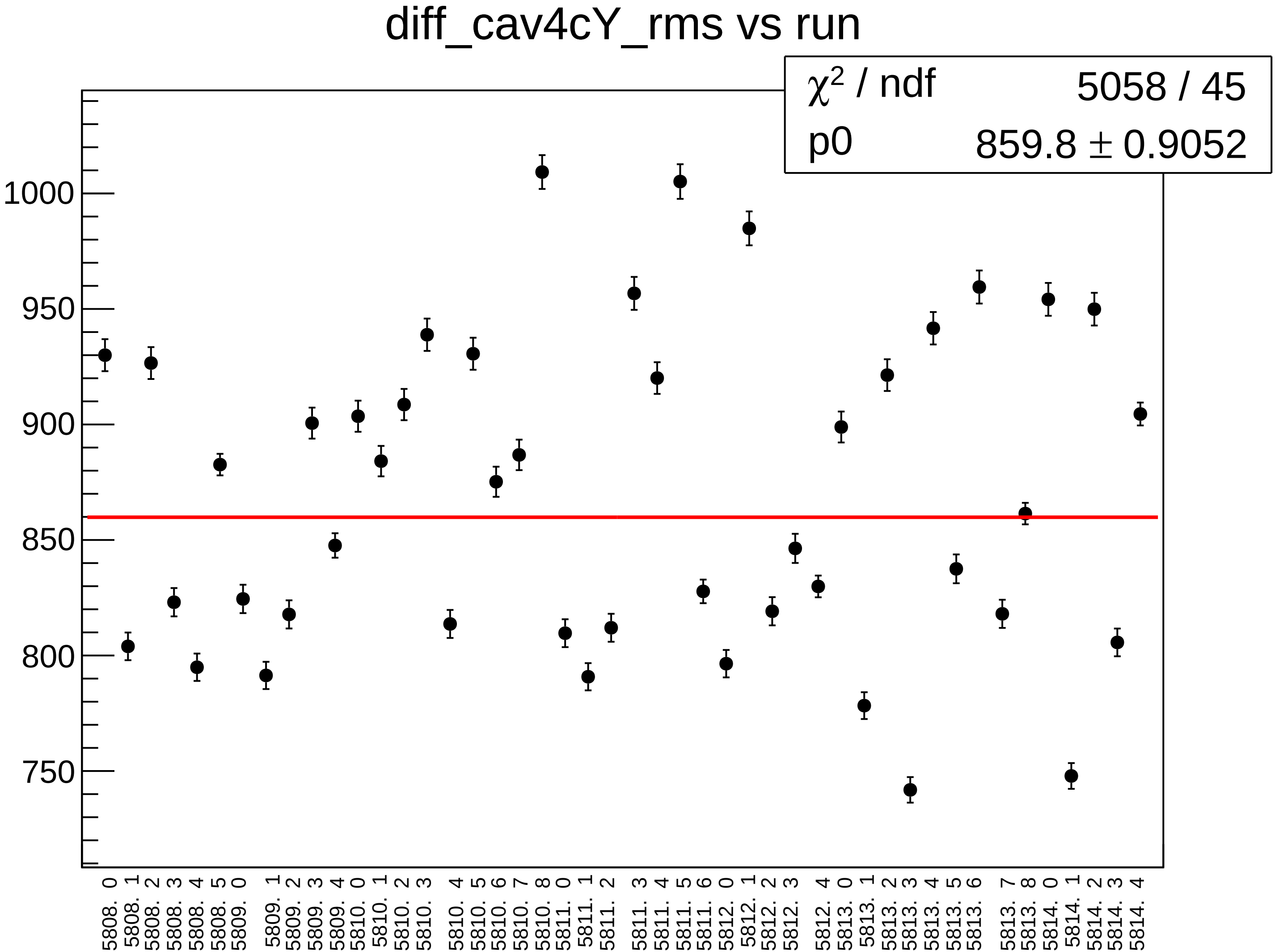
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


diff_cav4cX_mean vs run
χ^2 / ndf 53.91 / 45
p0 −3.962 ± 1.699
pull
Entries 46
Mean −643.9
Std Dev 666.1
pull1D
Entries 46
Mean 0.005462
Std Dev 1.083



diff_cav4cX_rms vs run
χ^2 / ndf 3950 / 45
p0 1142 ± 1.202
1300
1250
1200
1150
1100
1050
1000


diff_cav4cY_mean vs run
χ^2 / ndf 39.73 / 45
p0 −1.372 ± 1.28
pull
Entries 46
Mean 770.9
Std Dev 749.1
pull1D
Entries 46
Mean −0.006084
Std Dev 0.9293


diff_cav4cY_rms vs run
χ2 / ndf 5058 / 45
p0 859.8 ± 0.9052
1000
950
900
850
800
750
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
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5813.2
5813.3
5813.4
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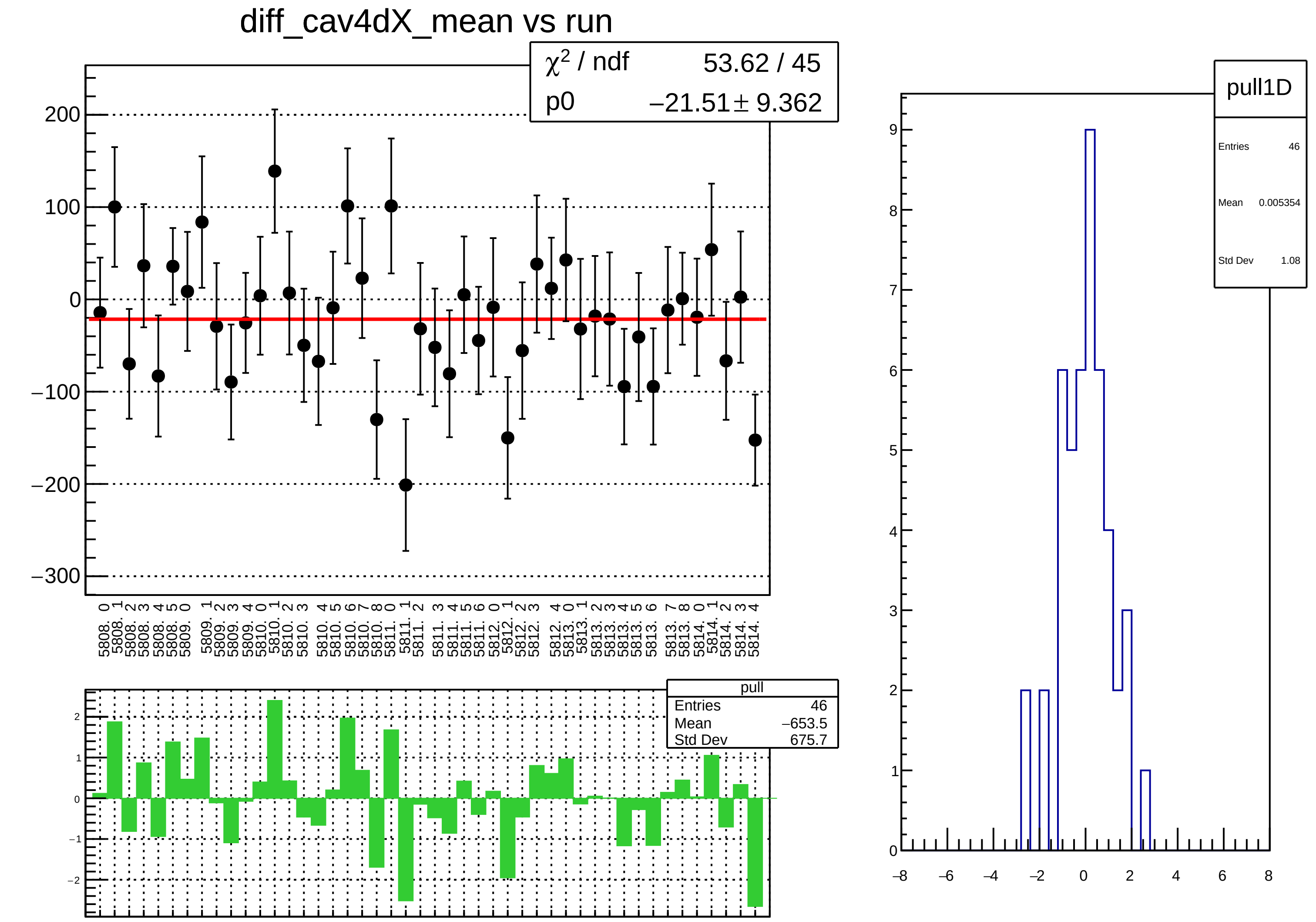
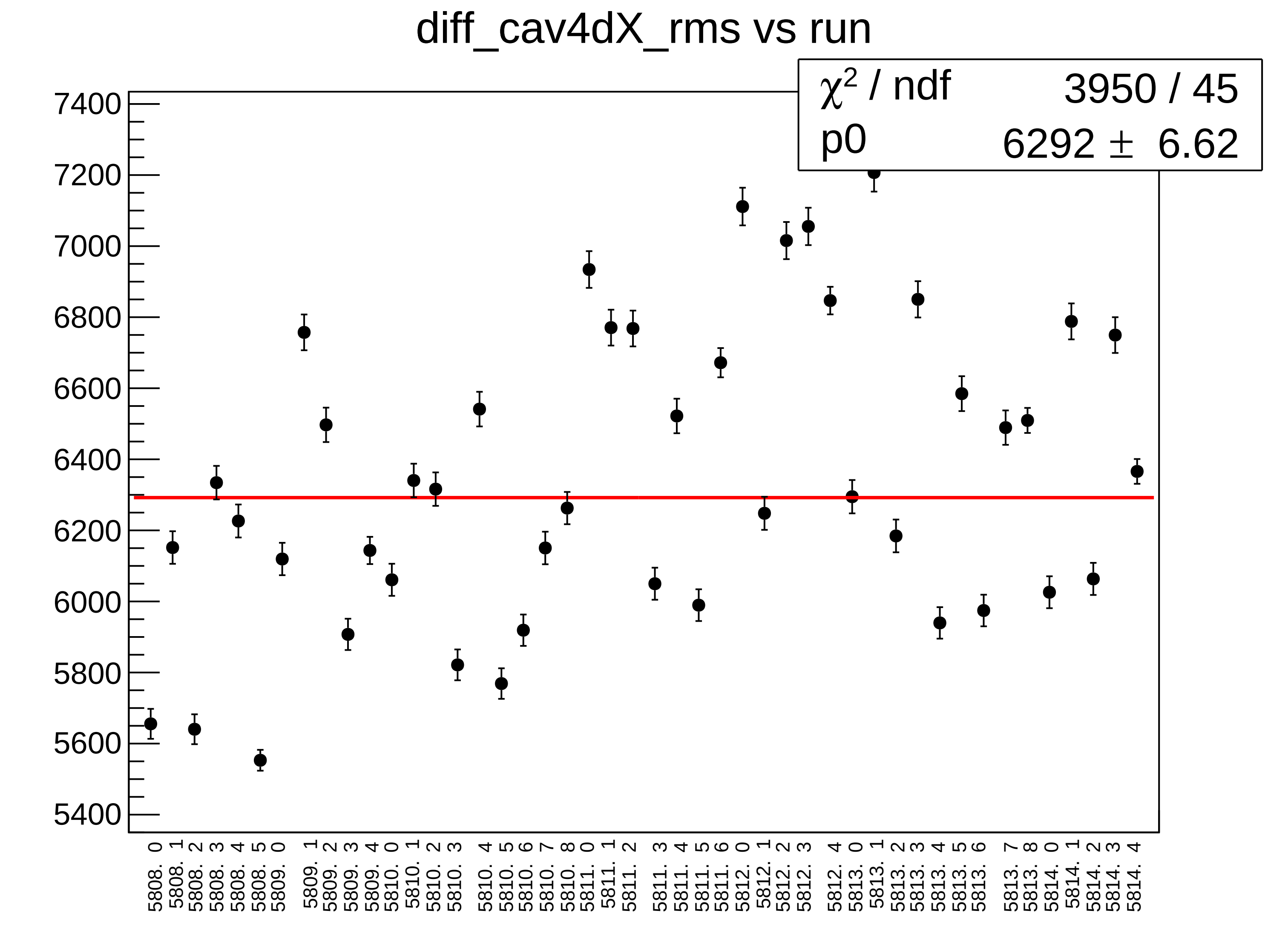
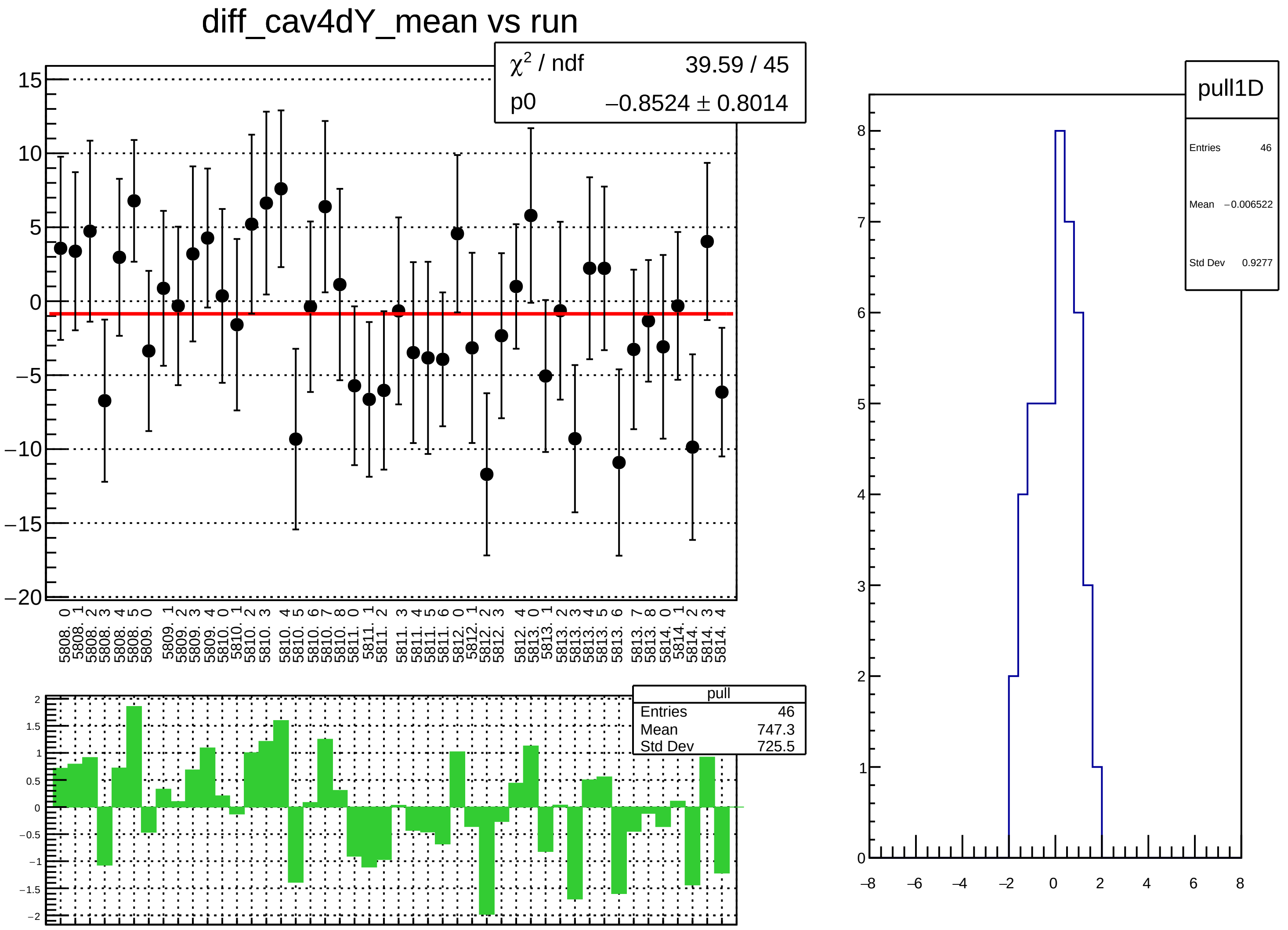
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4



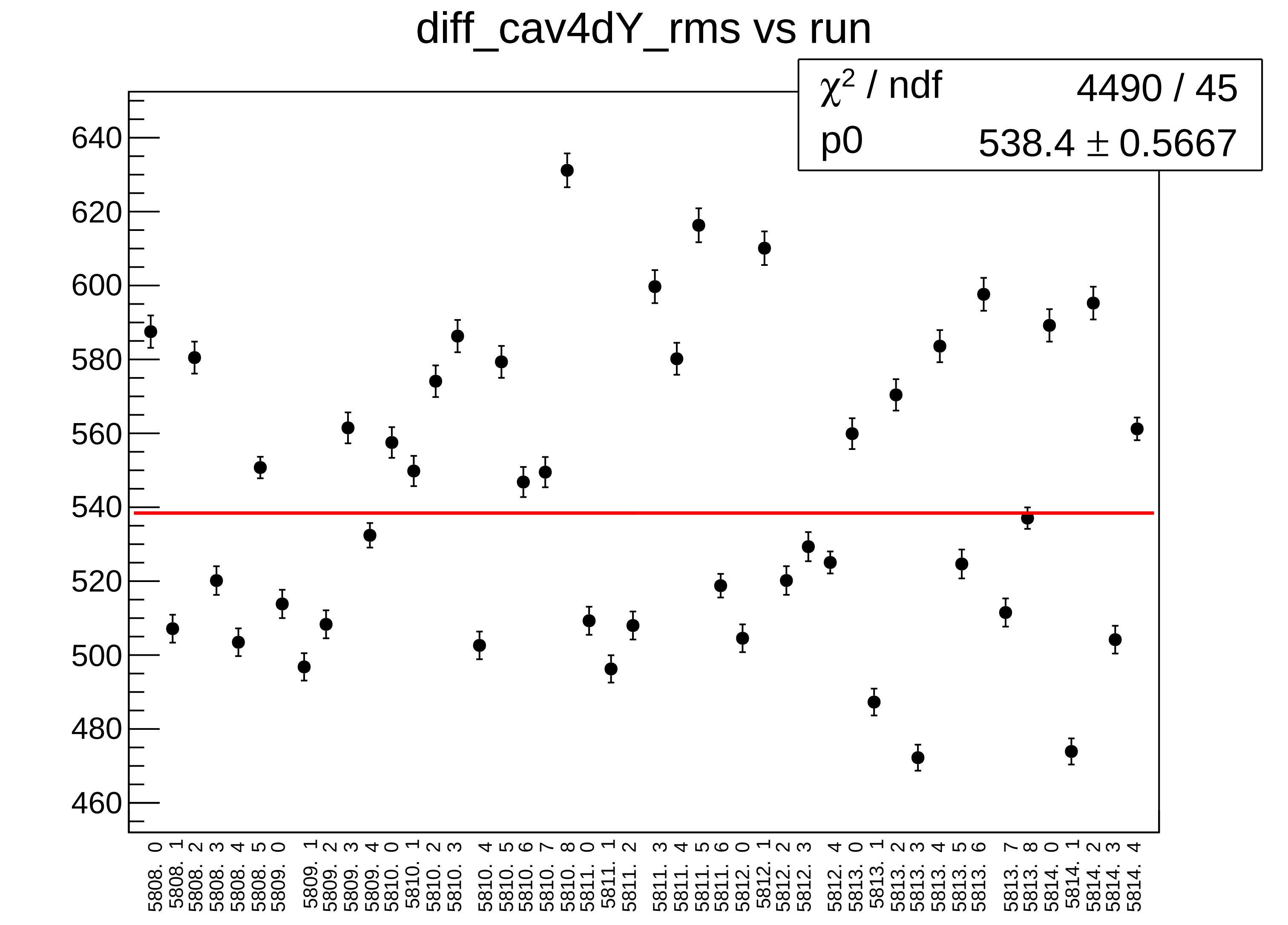
diff_cav4dX_mean vs run
χ^2 / ndf 53.62 / 45
p0 −21.51 ± 9.362
pull
Entries 46
Mean −653.5
Std Dev 675.7
pull1D
Entries 46
Mean 0.005354
Std Dev 1.08



diff_cav4dX_rms vs run
χ² / ndf 3950 / 45
p0 6292 ± 6.62
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_cav4dY_mean vs run
χ^2 / ndf 39.59 / 45
p0 −0.8524 ± 0.8014
pull
Entries 46
Mean 747.3
Std Dev 725.5
pull1D
Entries 46
Mean −0.006522
Std Dev 0.9277



diff_cav4dY_rms vs run
χ2 / ndf 4490 / 45
p0 538.4 ± 0.5667
640
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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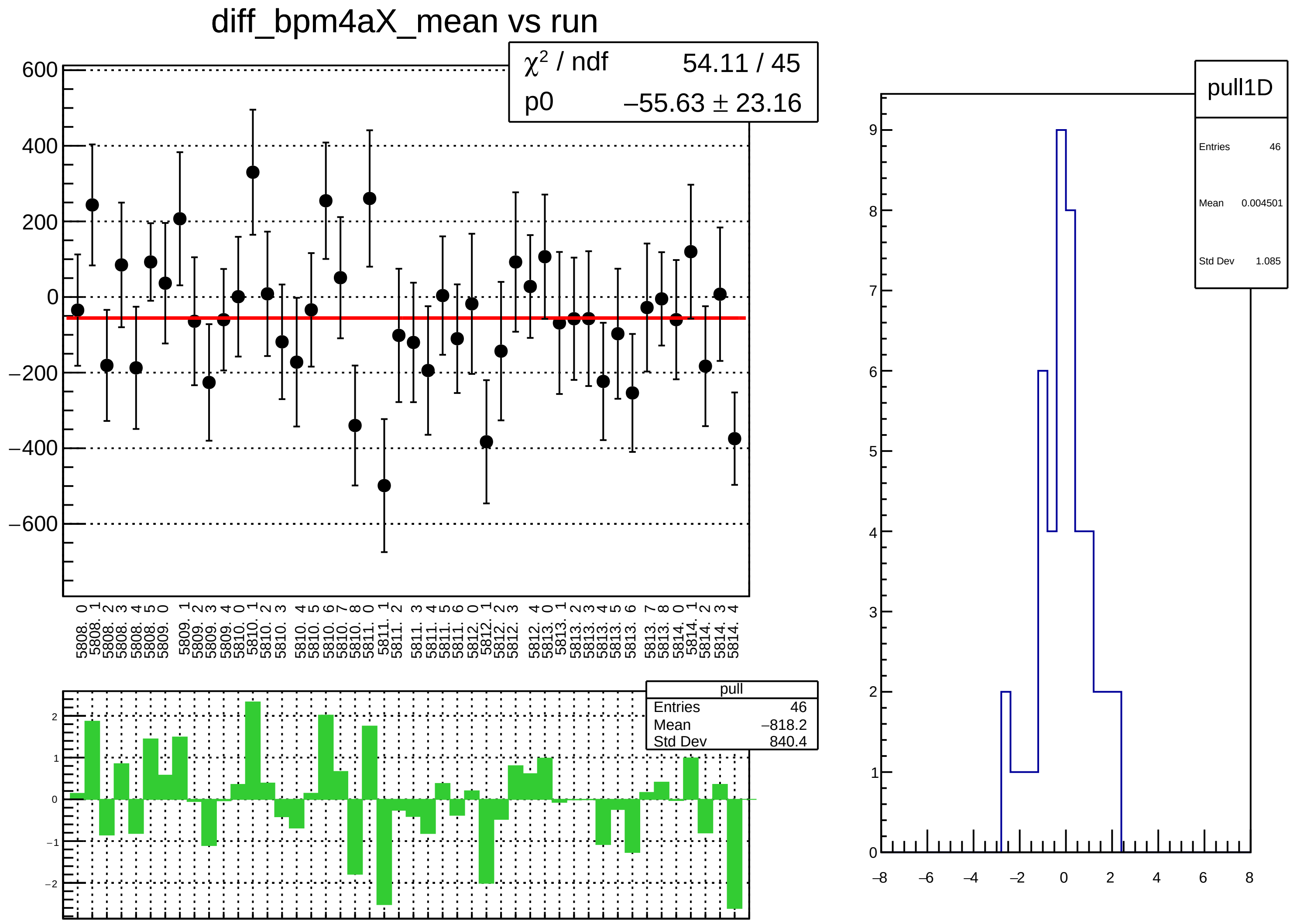
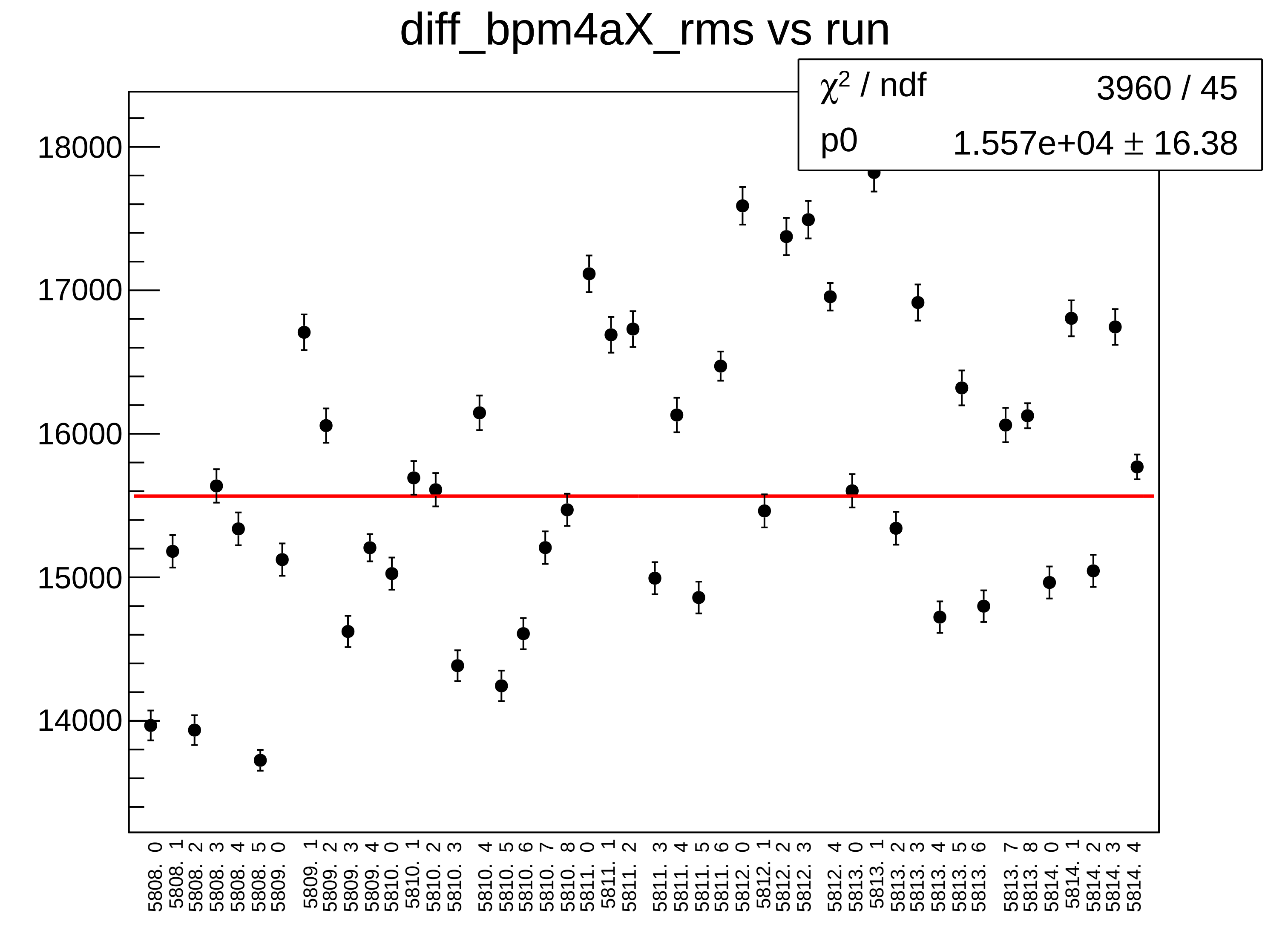
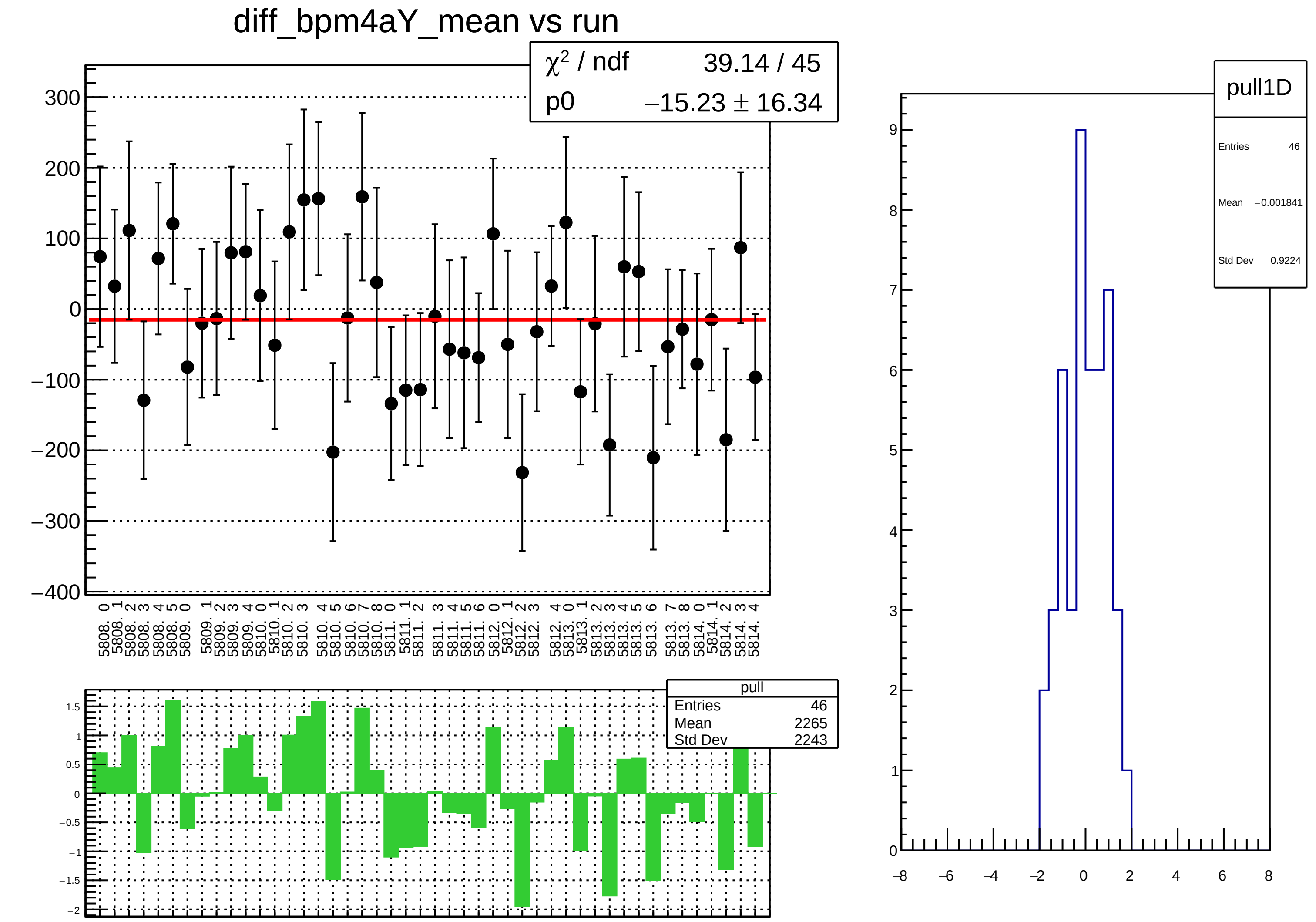
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



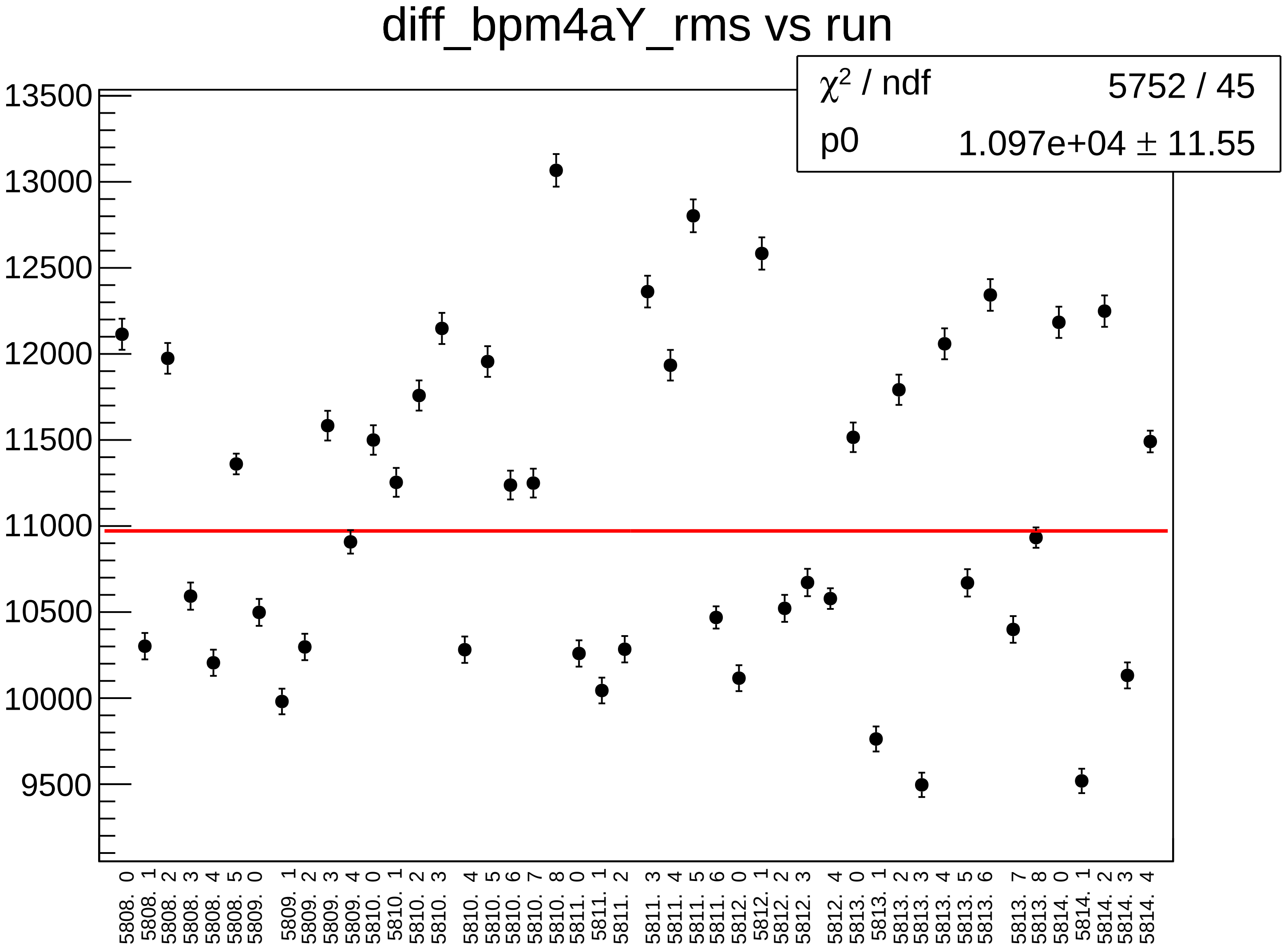
diff_bpm4aX_mean vs run
χ^2 / ndf 54.11 / 45
p0 −55.63 ± 23.16
pull
Entries 46
Mean −818.2
Std Dev 840.4
pull1D
Entries 46
Mean 0.004501
Std Dev 1.085



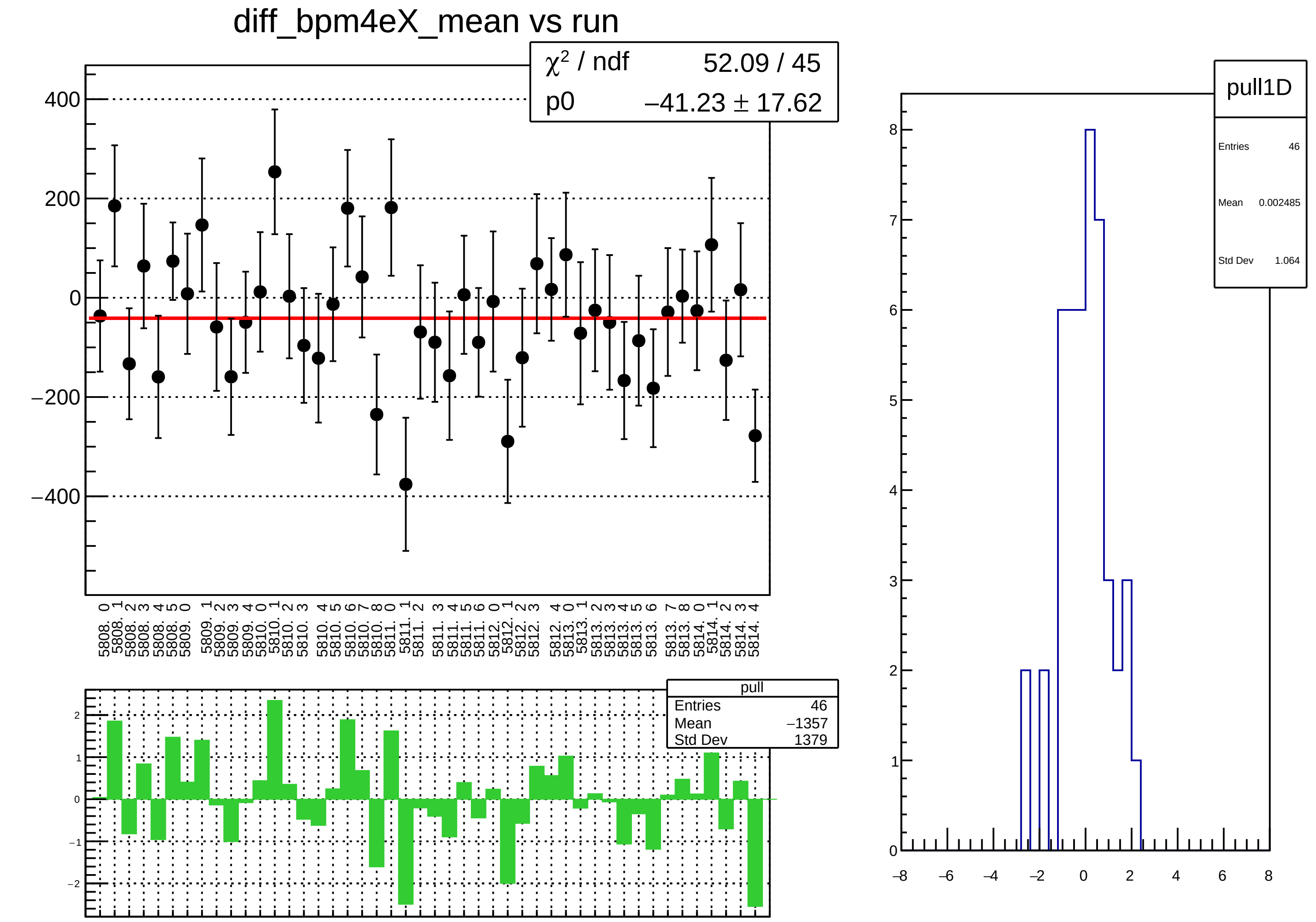
diff_bpm4aX_rms vs run
χ2 / ndf 3960 / 45
p0 1.557e+04 ± 16.38
18000
17000
16000
15000
14000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



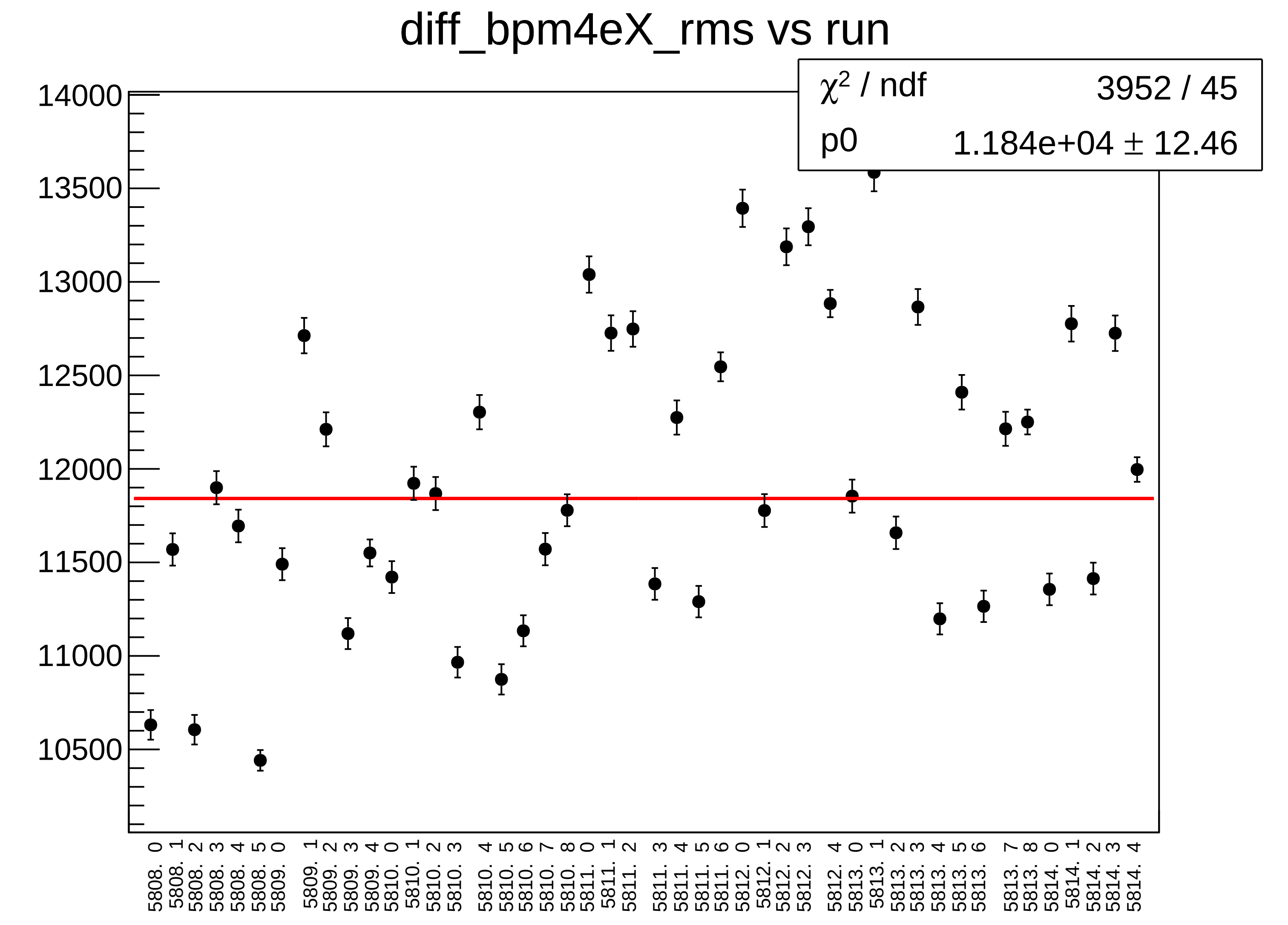
diff_bpm4aY_mean vs run
χ^2 / ndf 39.14 / 45
p0 −15.23 ± 16.34
pull
Entries 46
Mean 2265
Std Dev 2243
pull1D
Entries 46
Mean −0.001841
Std Dev 0.9224



diff_bpm4aY_rms vs run
χ^2 / ndf 5752 / 45
p0 1.097e+04 ± 11.55
13500
13000
12500
12000
11500
11000
10500
10000
9500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_bpm4eX_mean vs run
χ^2 / ndf 52.09 / 45
p0 −41.23 ± 17.62
pull
Entries 46
Mean −1357
Std Dev 1379
pull1D
Entries 46
Mean 0.002485
Std Dev 1.064


diff_bpm4eX_rms vs run
χ^2 / ndf 3952 / 45
p0 1.184e+04 ± 12.46
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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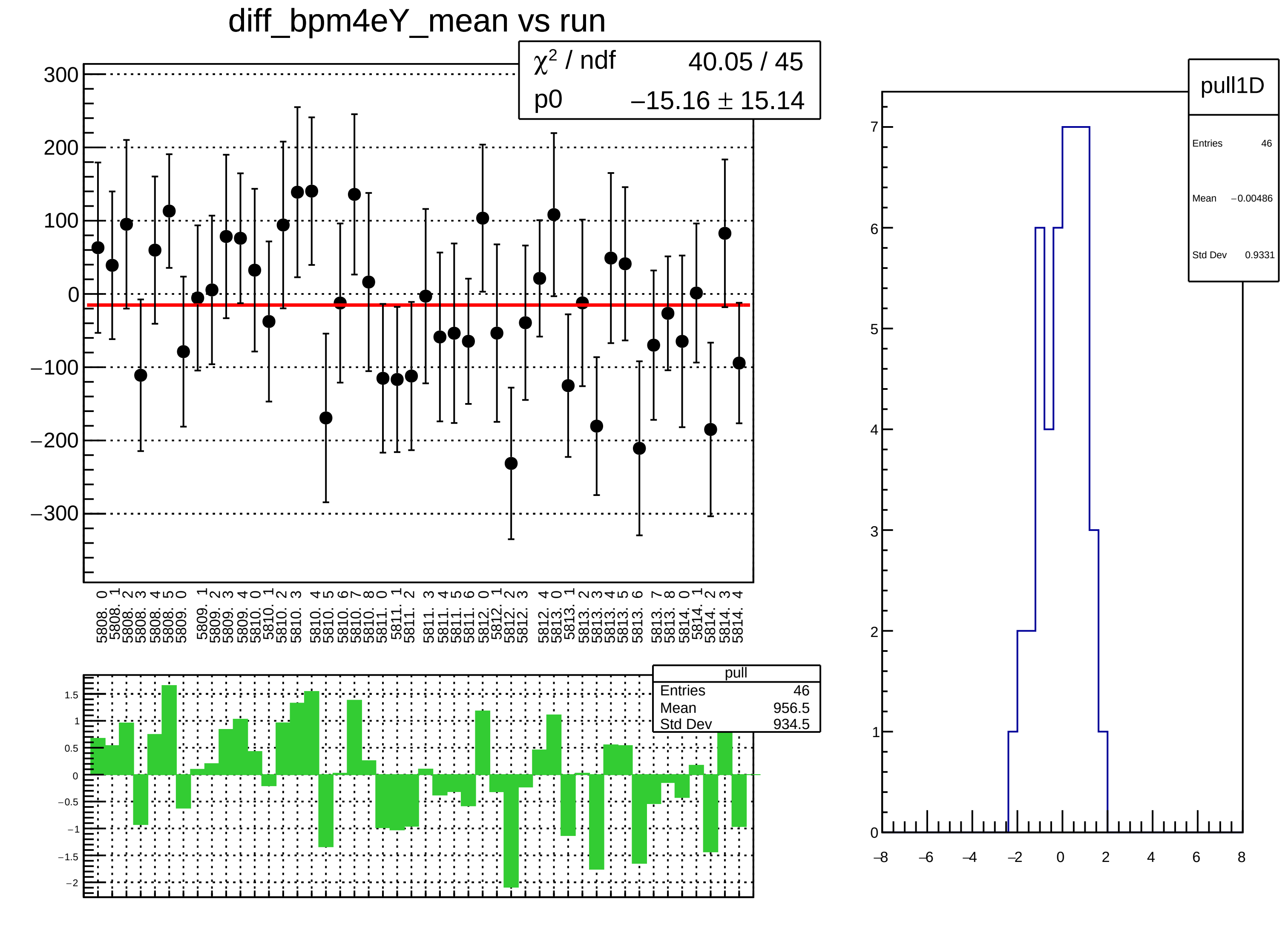
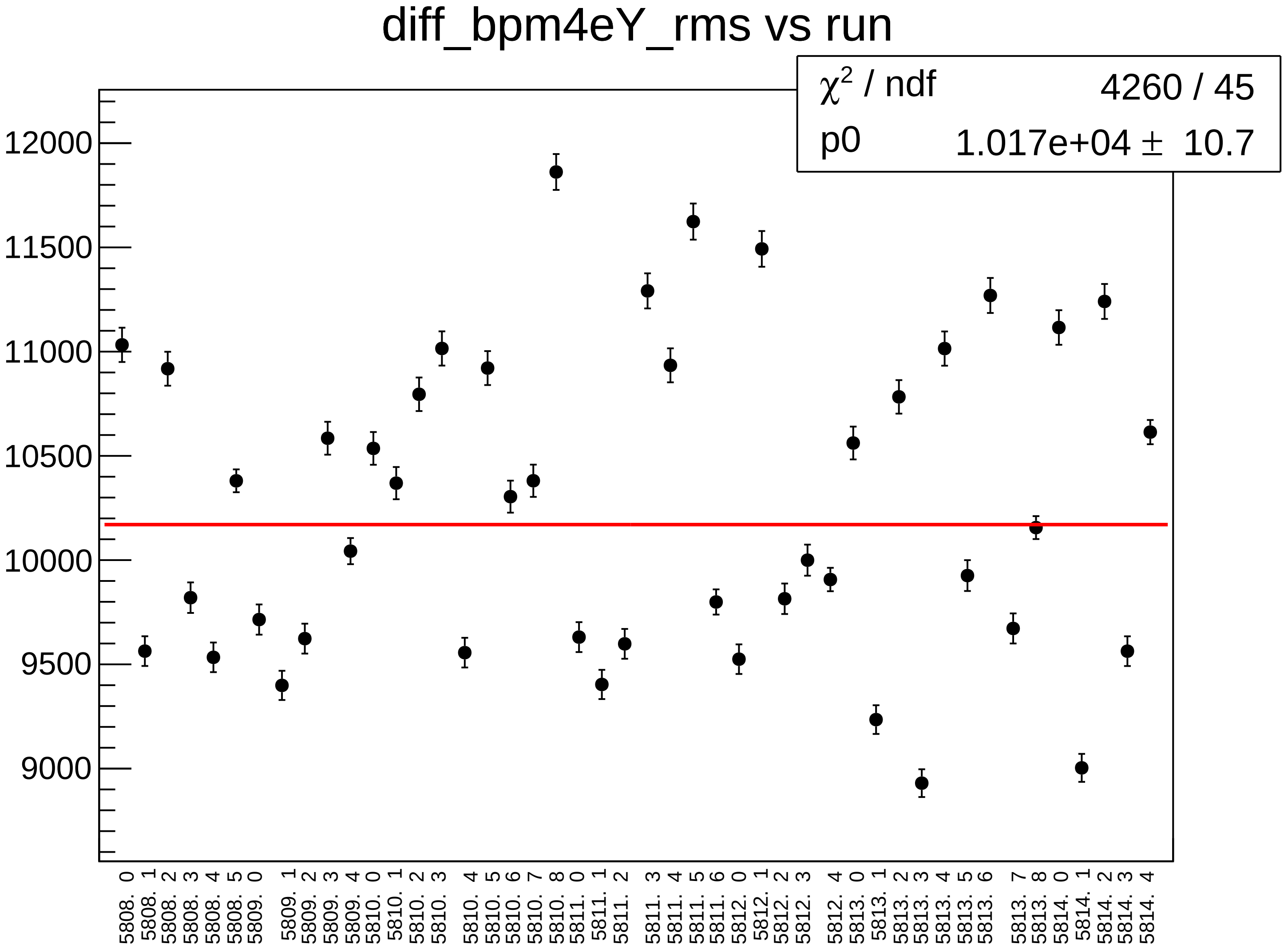
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_bpm4eY_mean vs run
χ^2 / ndf 40.05 / 45
p0 −15.16 ± 15.14
pull
Entries 46
Mean 956.5
Std Dev 934.5
pull1D
Entries 46
Mean −0.00486
Std Dev 0.9331


diff_bpm4eY_rms vs run
χ^2 / ndf 4260 / 45
p0 1.017e+04 ± 10.7
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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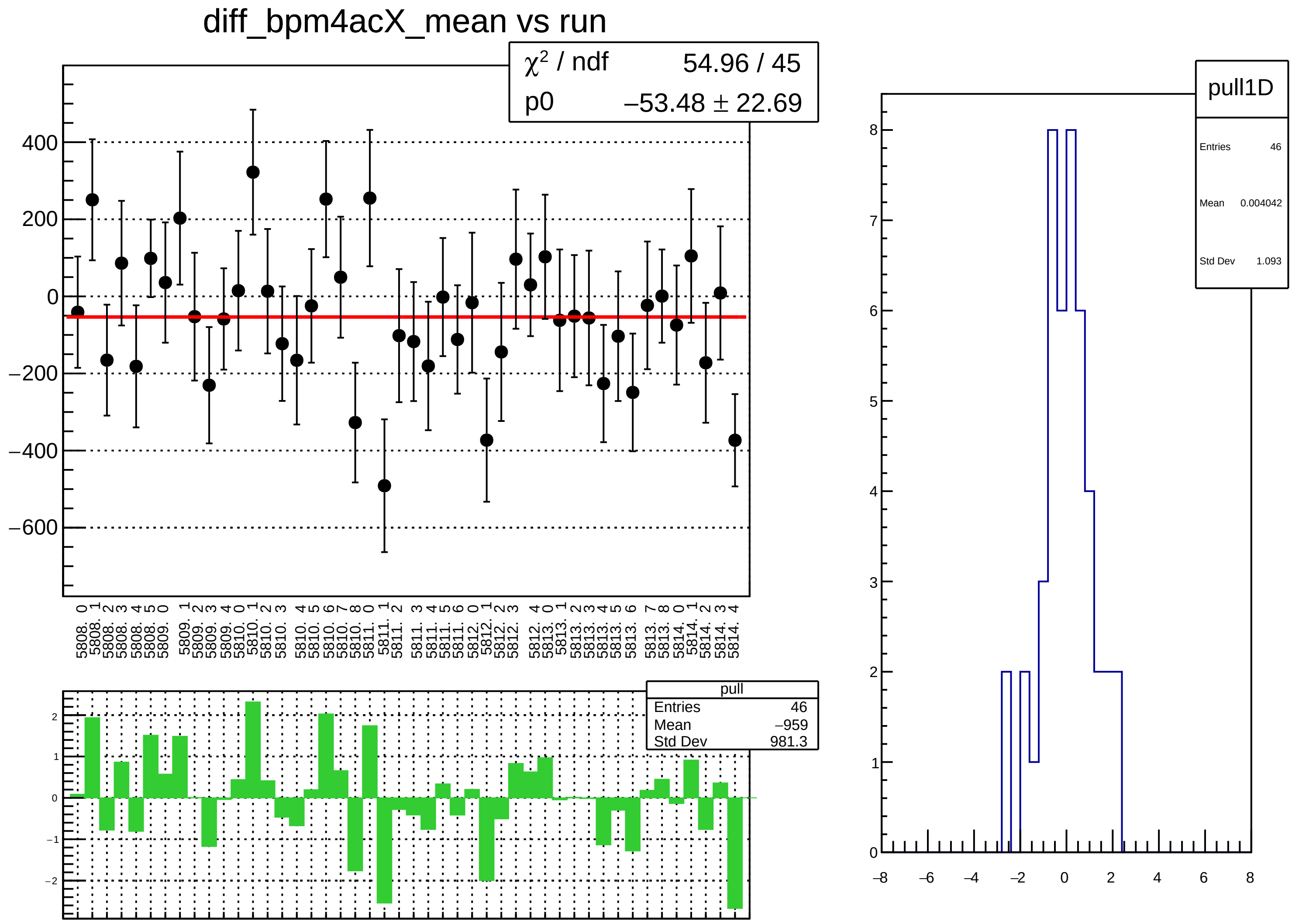
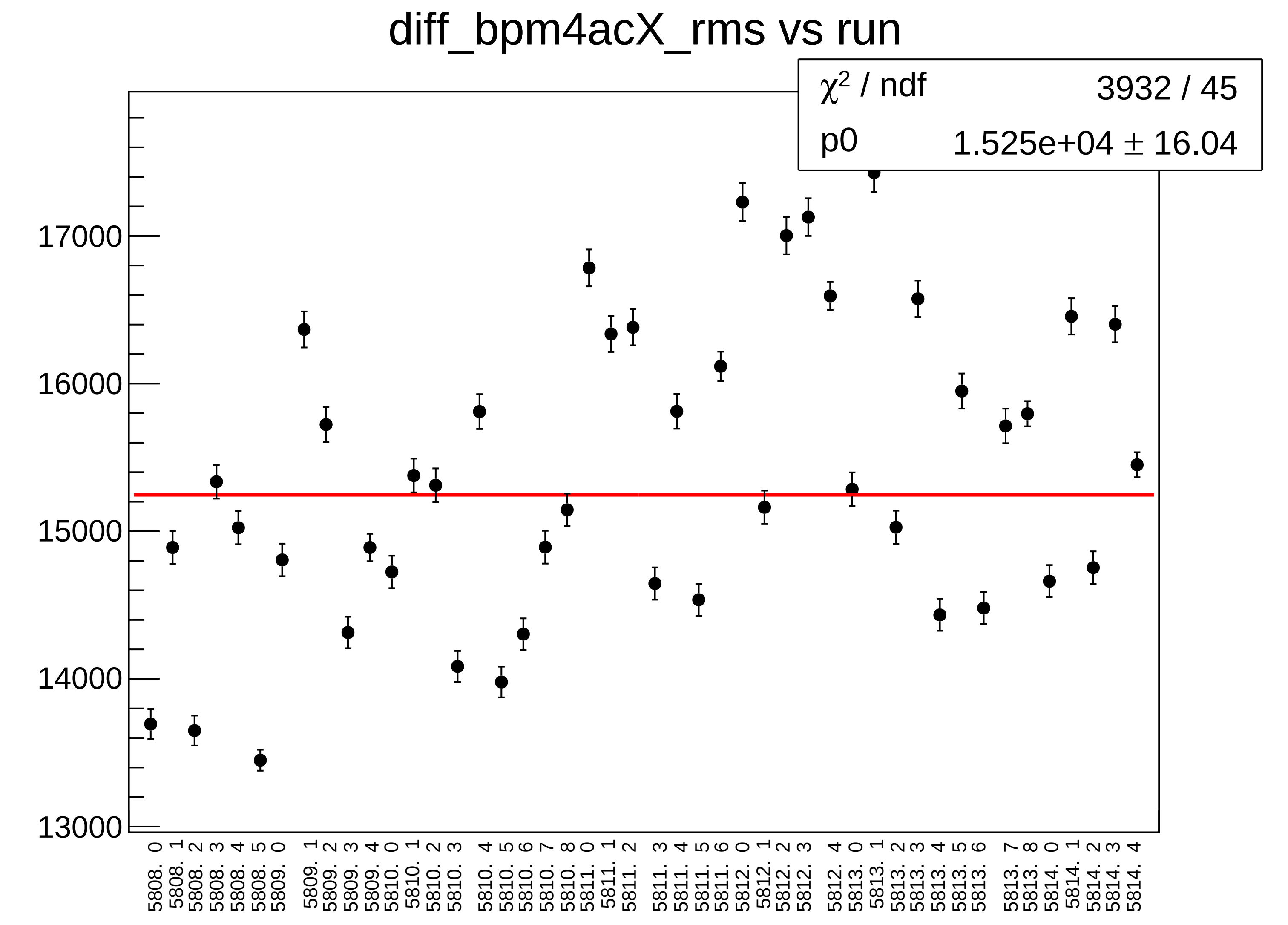
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_bpm4acX_mean vs run
χ2 / ndf 54.96 / 45
p0 −53.48 ± 22.69
pull
Entries 46
Mean −959
Std Dev 981.3
pull1D
Entries 46
Mean 0.004042
Std Dev 1.093



diff_bpm4acX_rms vs run
χ^2 / ndf 3932 / 45
p0 1.525e+04 ± 16.04
17000
16000
15000
14000
13000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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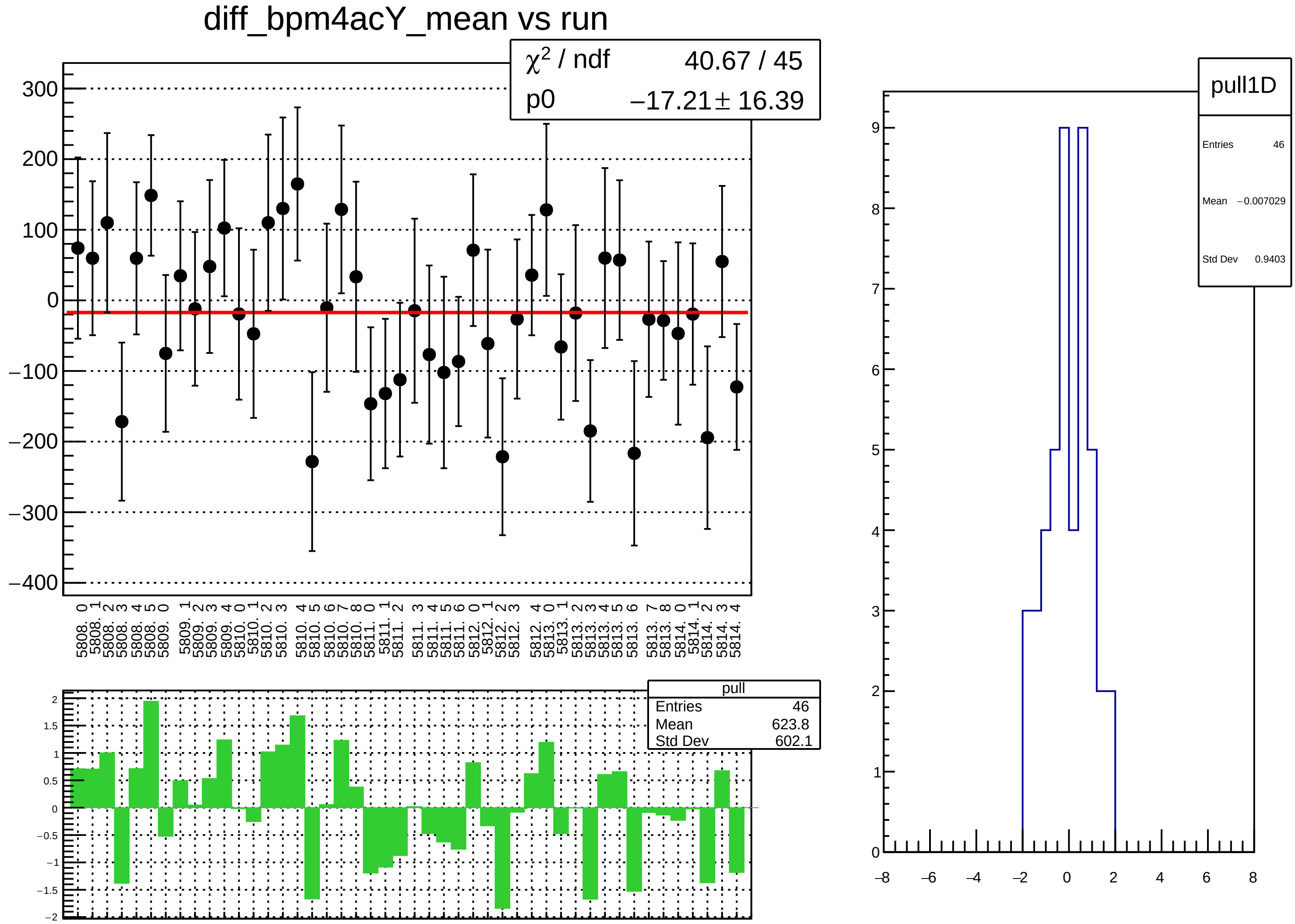
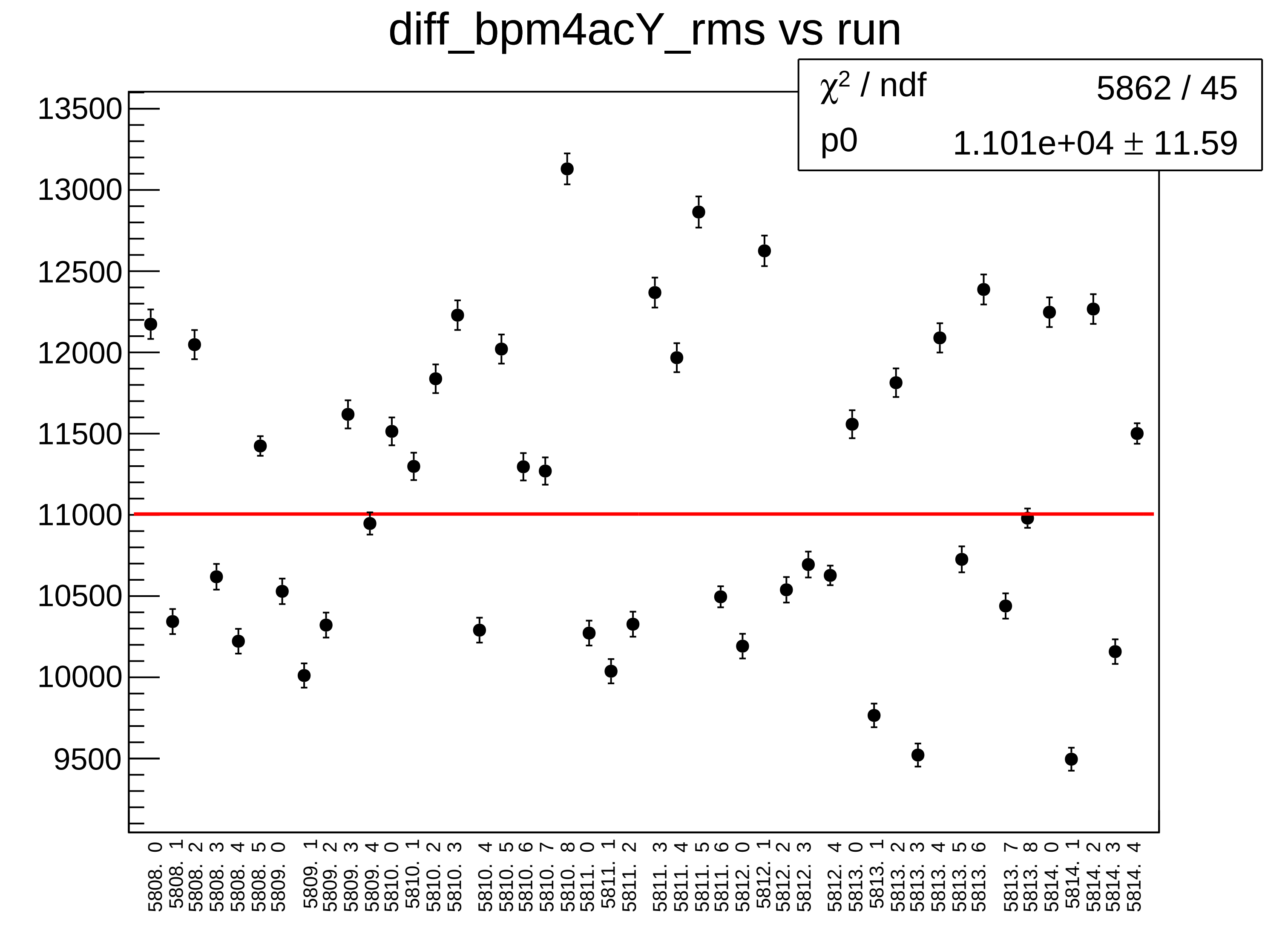
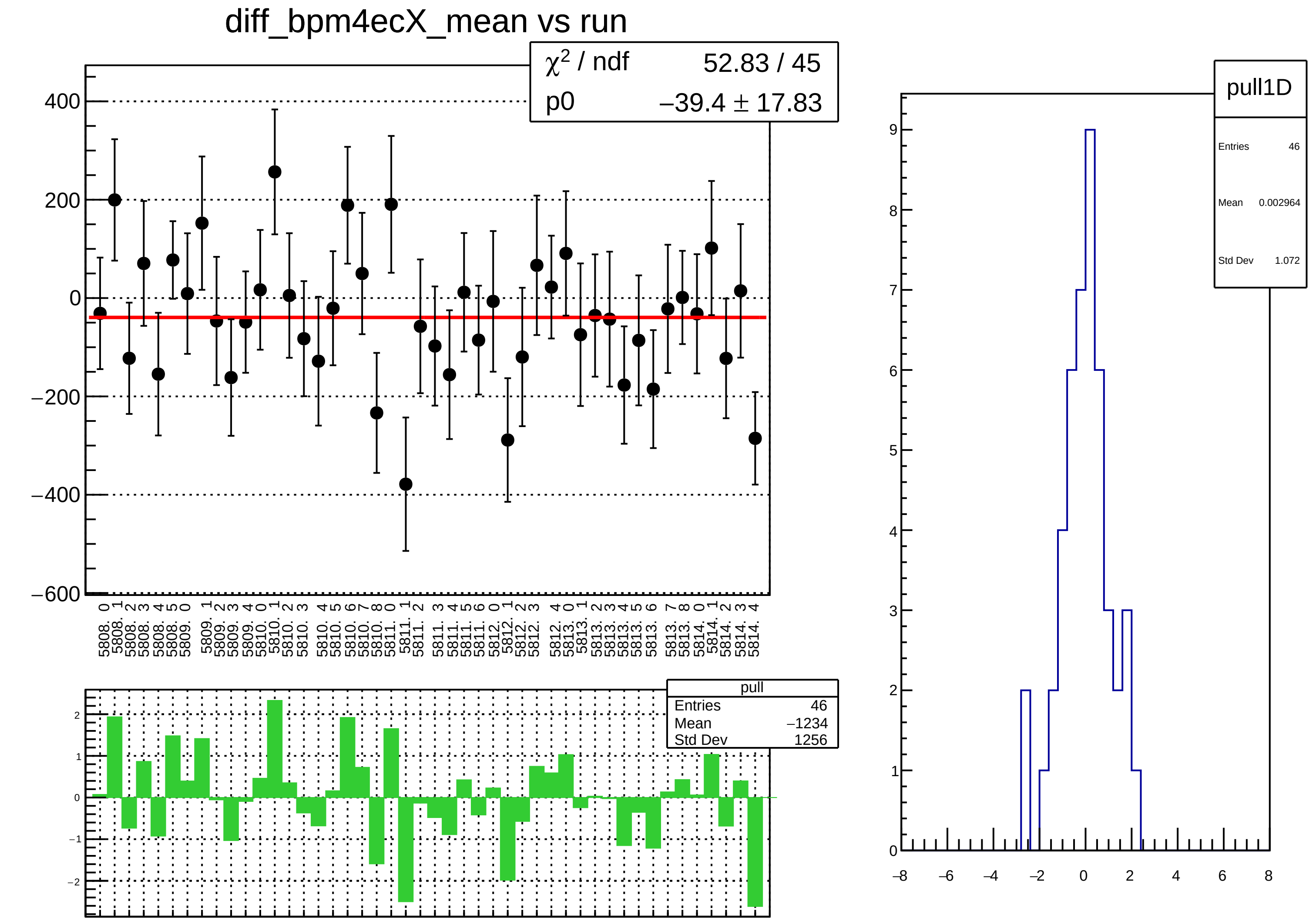
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



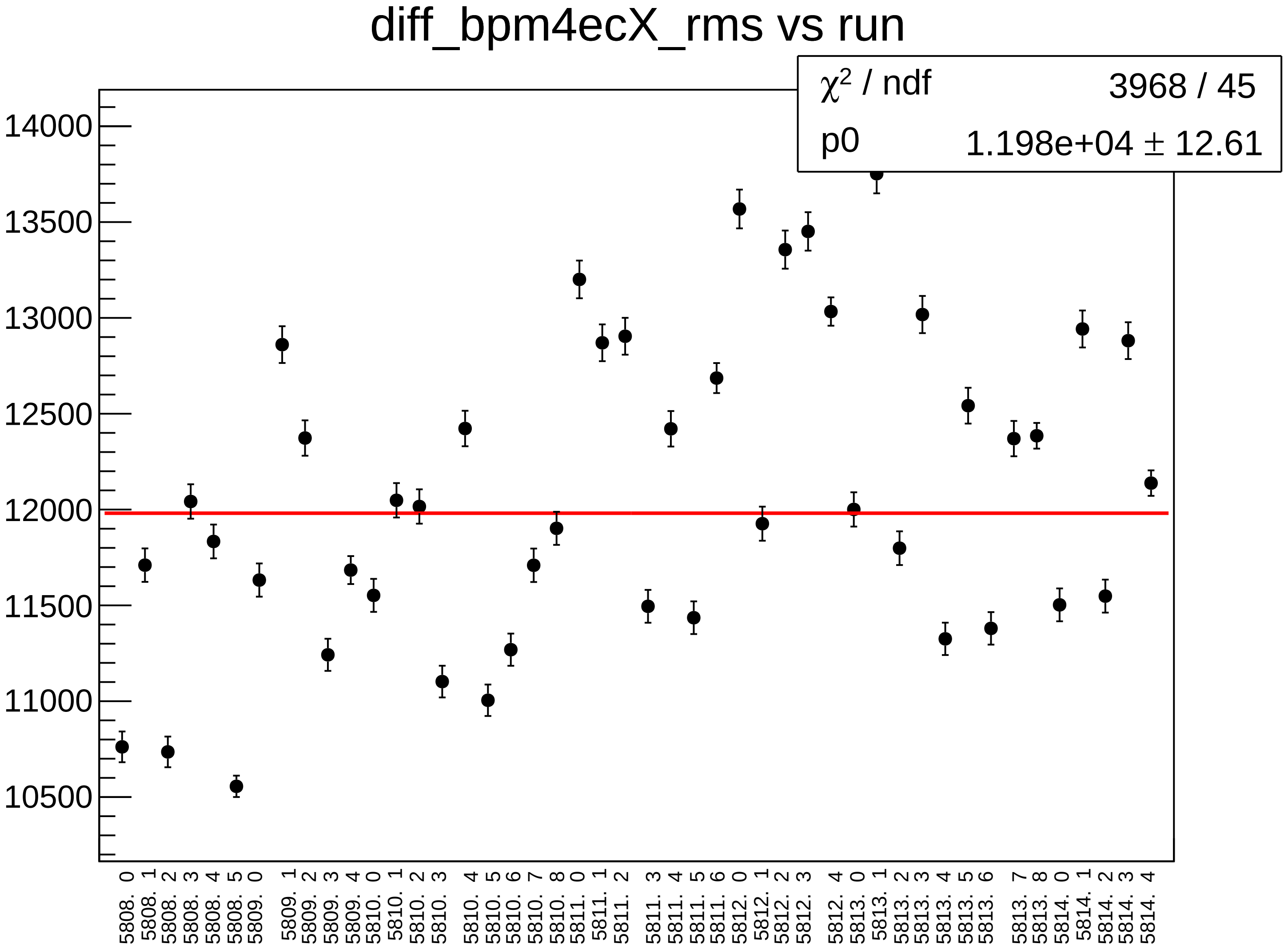
diff_bpm4acY_mean vs run
χ^2 / ndf 40.67 / 45
p0 −17.21 ± 16.39
pull
Entries 46
Mean 623.8
Std Dev 602.1
pull1D
Entries 46
Mean −0.007029
Std Dev 0.9403



diff_bpm4acY_rms vs run
χ^2 / ndf 5862 / 45
p0 1.101e+04 ± 11.59
13500
13000
12500
12000
11500
11000
10500
10000
9500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_bpm4ecX_mean vs run
χ2 / ndf 52.83 / 45
p0 −39.4 ± 17.83
pull
Entries 46
Mean −1234
Std Dev 1256
pull1D
Entries 46
Mean 0.002964
Std Dev 1.072



diff_bpm4ecX_rms vs run
χ2 / ndf 3968 / 45
p0 1.198e+04 ± 12.61
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
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5813. 3
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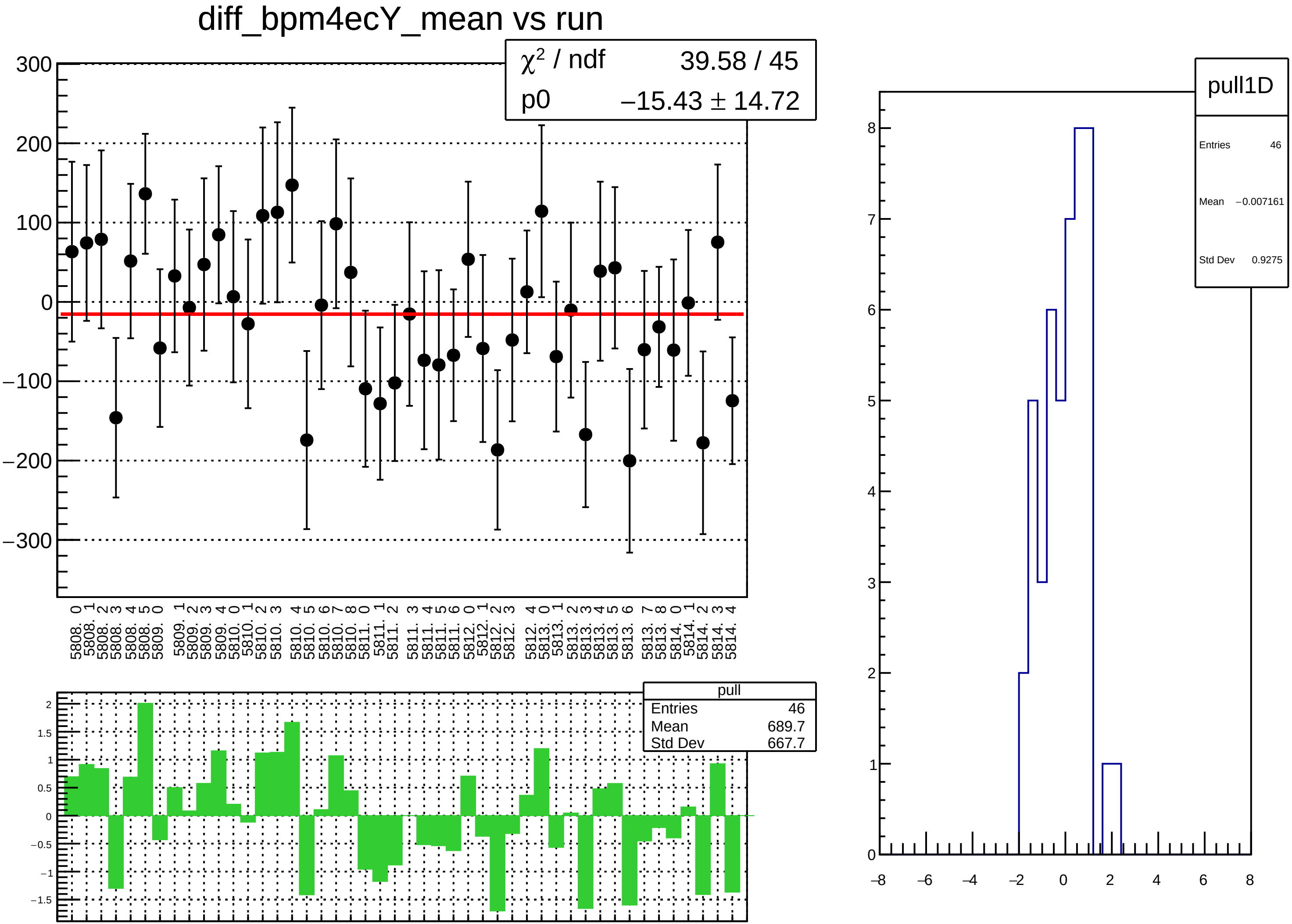
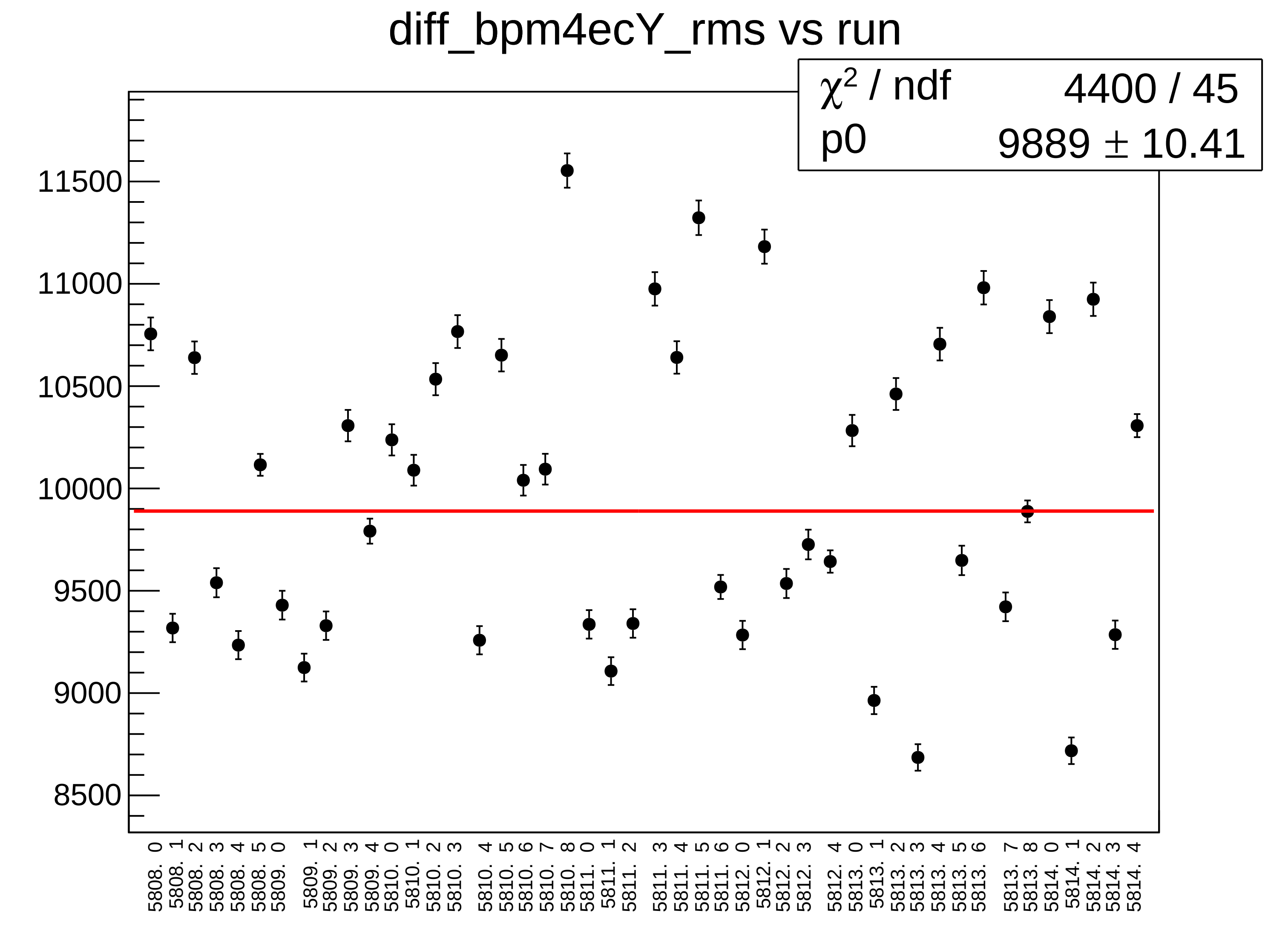
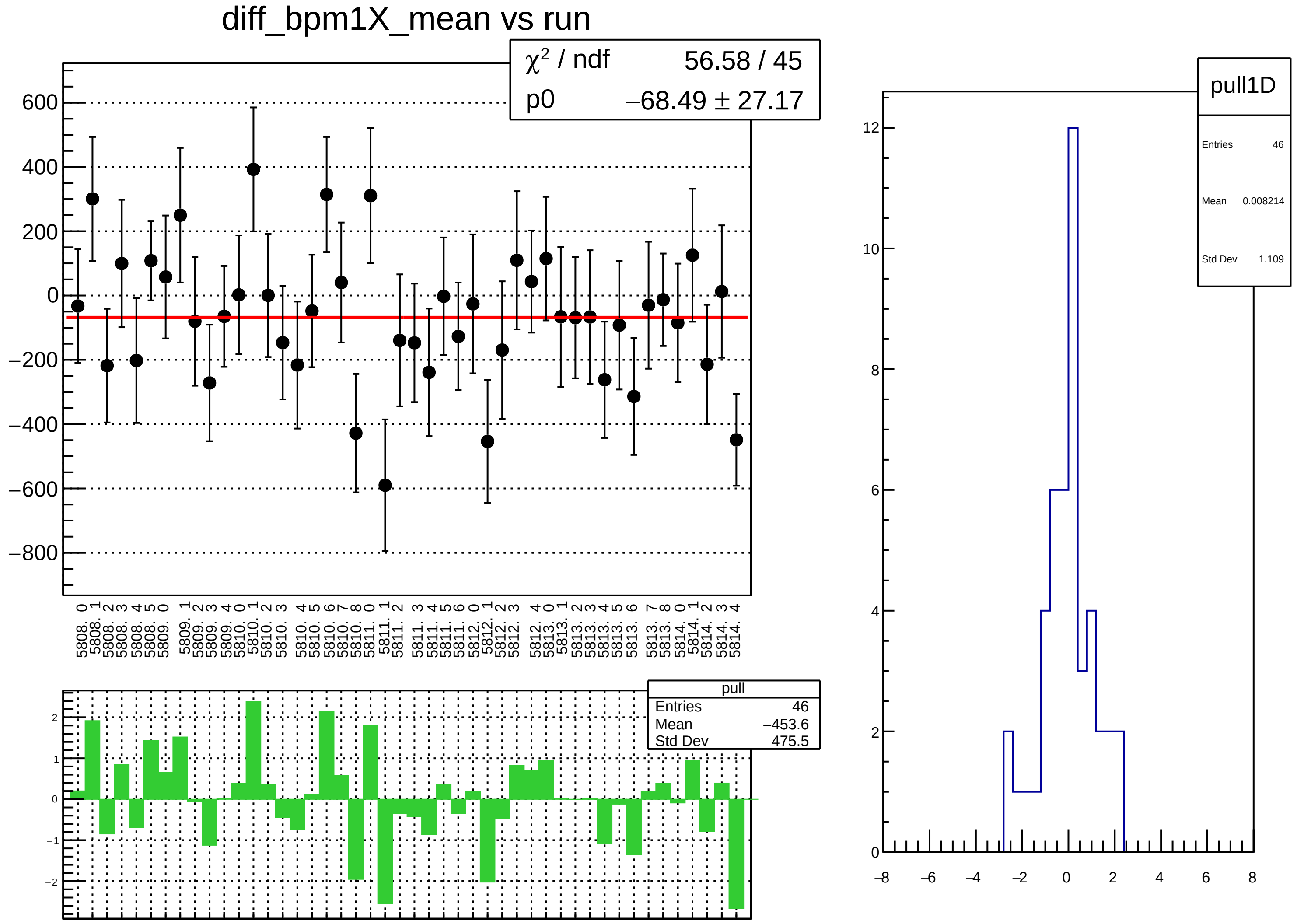
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

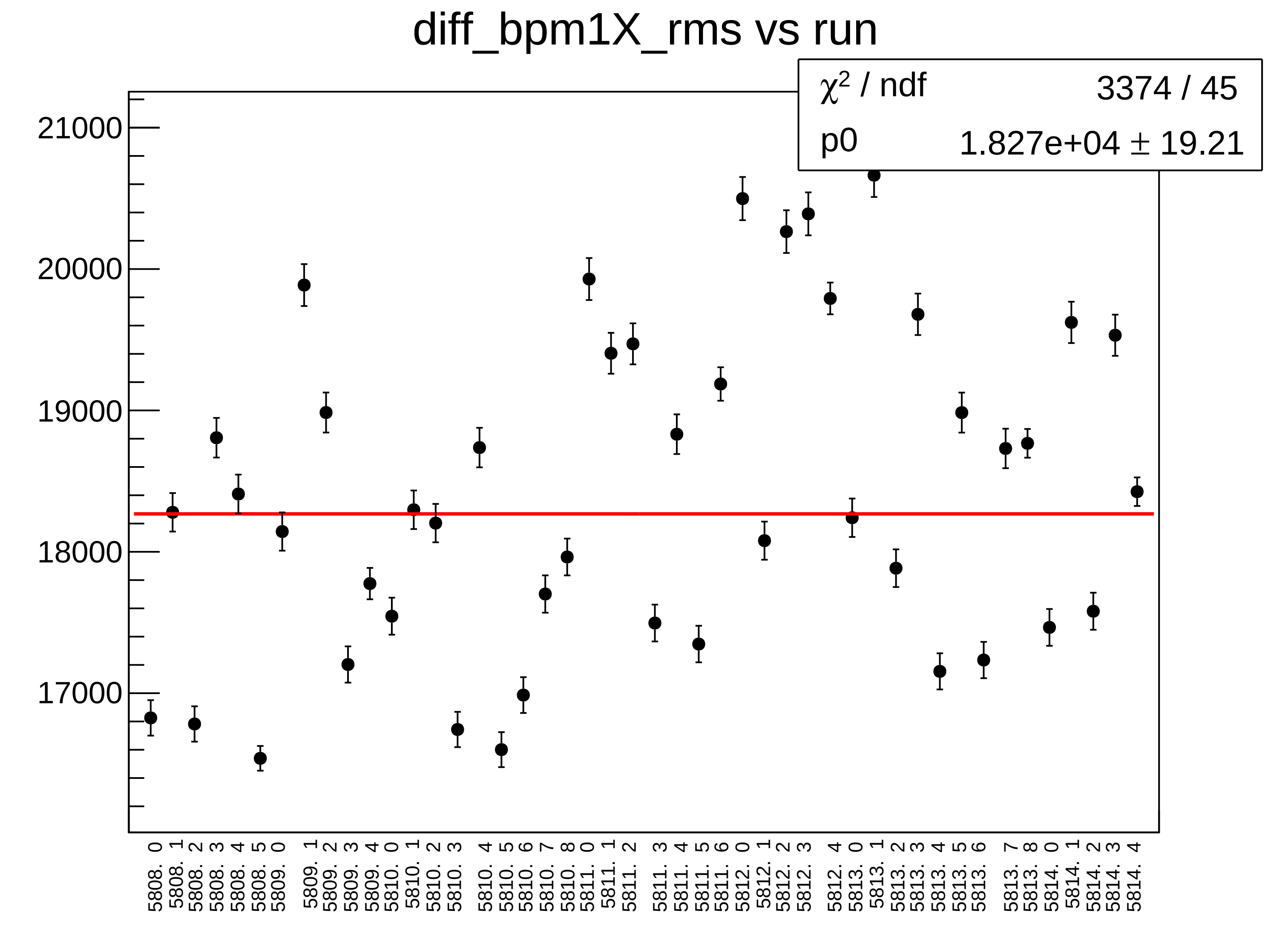


diff_bpm4ecY_mean vs run
χ^2 / ndf 39.58 / 45
p0 −15.43 ± 14.72
pull
Entries 46
Mean 689.7
Std Dev 667.7
pull1D
Entries 46
Mean −0.007161
Std Dev 0.9275



diff_bpm4ecY_rms vs run
χ2 / ndf 4400 / 45
p0 9889 ± 10.41
11500
11000
10500
10000
9500
9000
8500


diff_bpm1X_mean vs run
χ2 / ndf 56.58 / 45
p0 −68.49 ± 27.17
pull
Entries 46
Mean −453.6
Std Dev 475.5
pull1D
Entries 46
Mean 0.008214
Std Dev 1.109



diff_bpm1X_rms vs run
χ^2 / ndf 3374 / 45
p0 1.827e+04 ± 19.21
21000
20000
19000
18000
17000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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5813. 8
5814. 0
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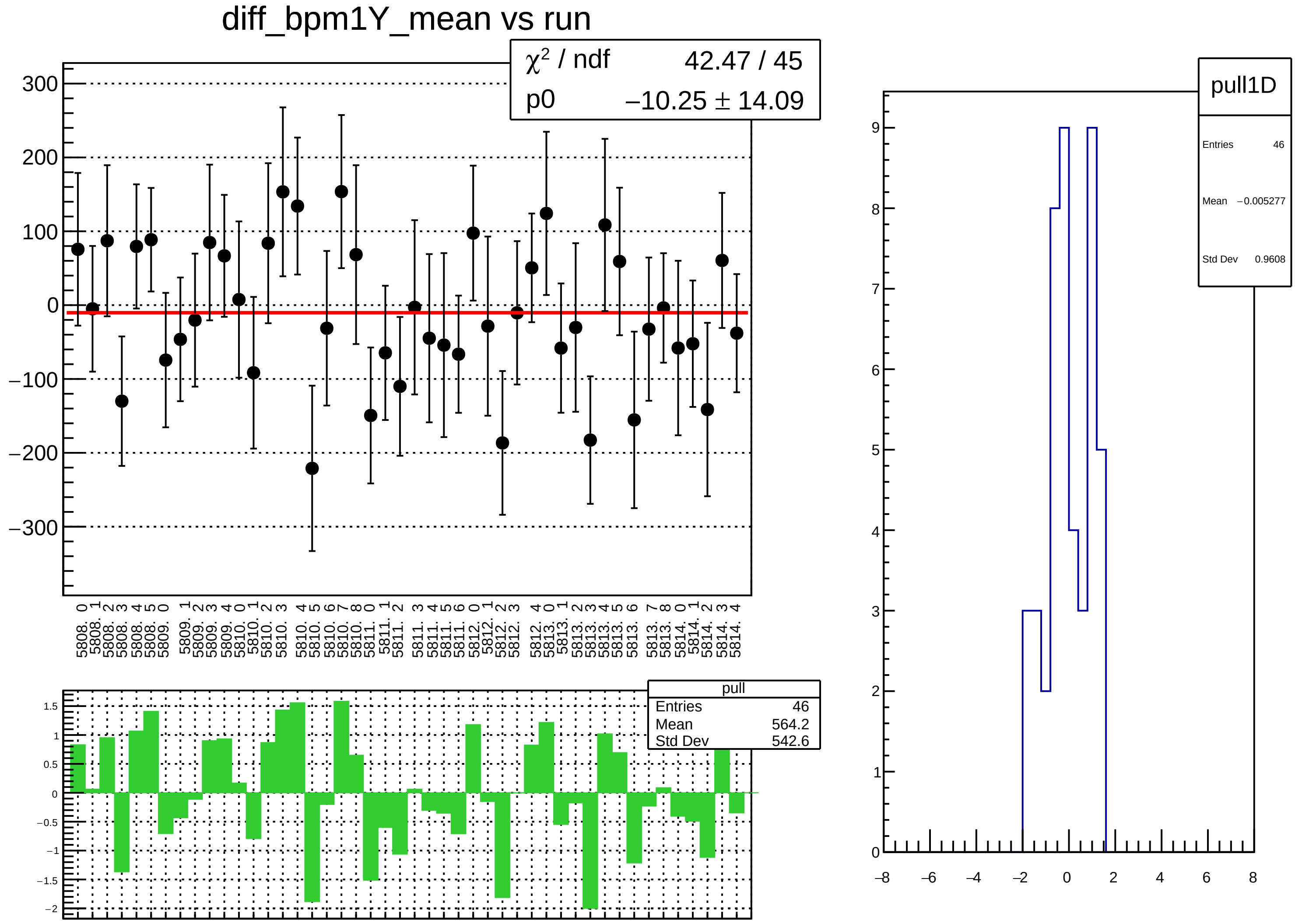
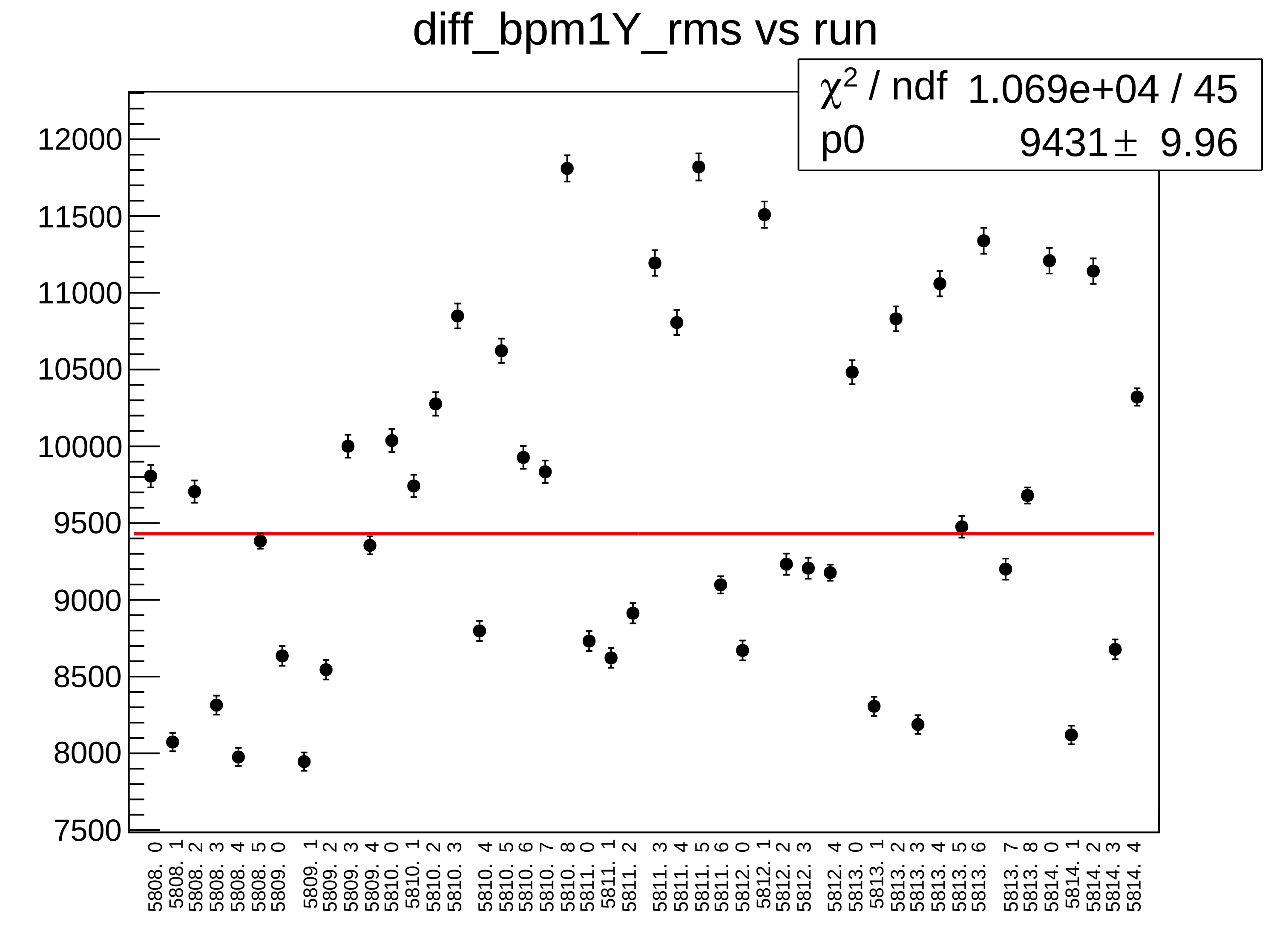
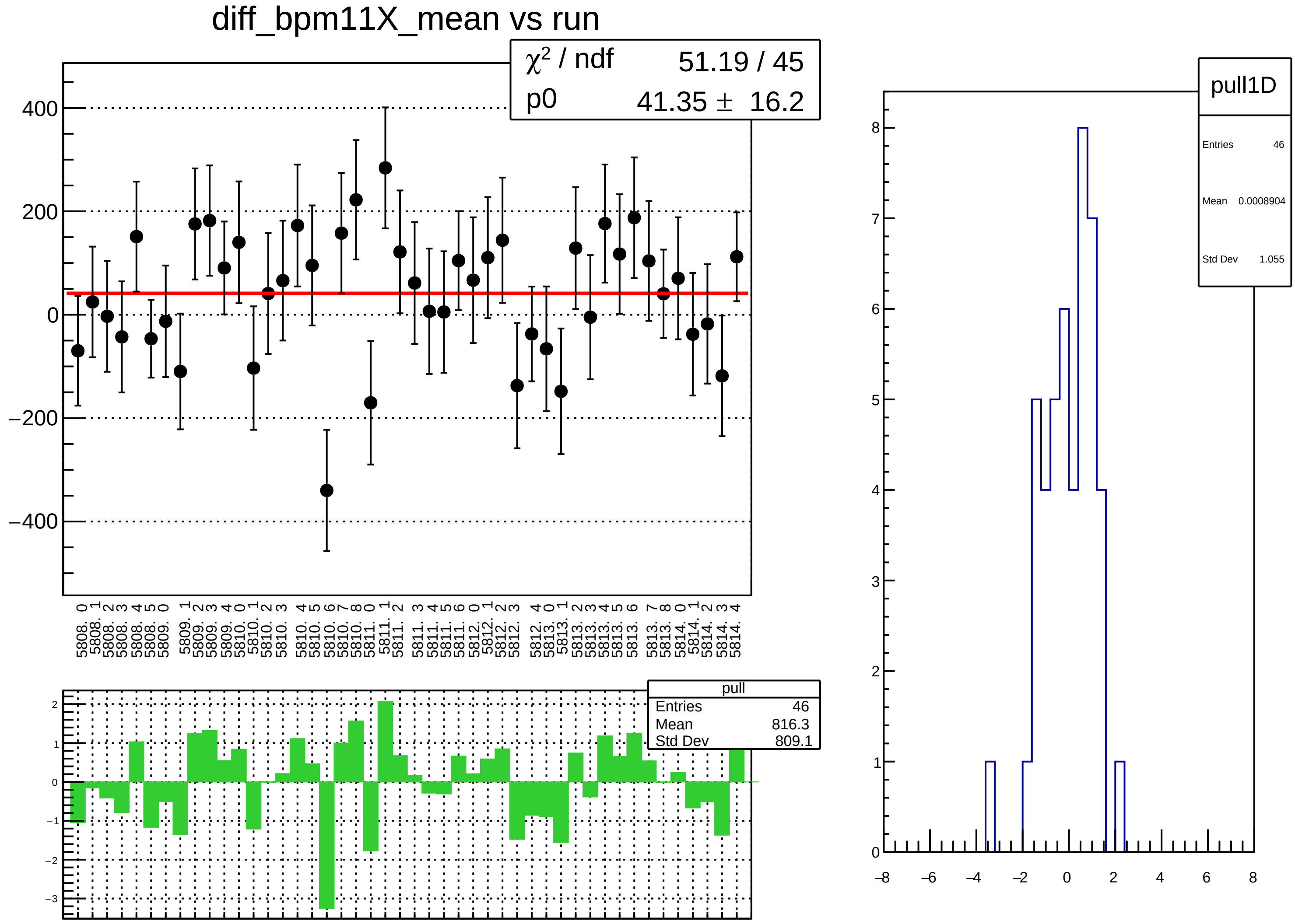
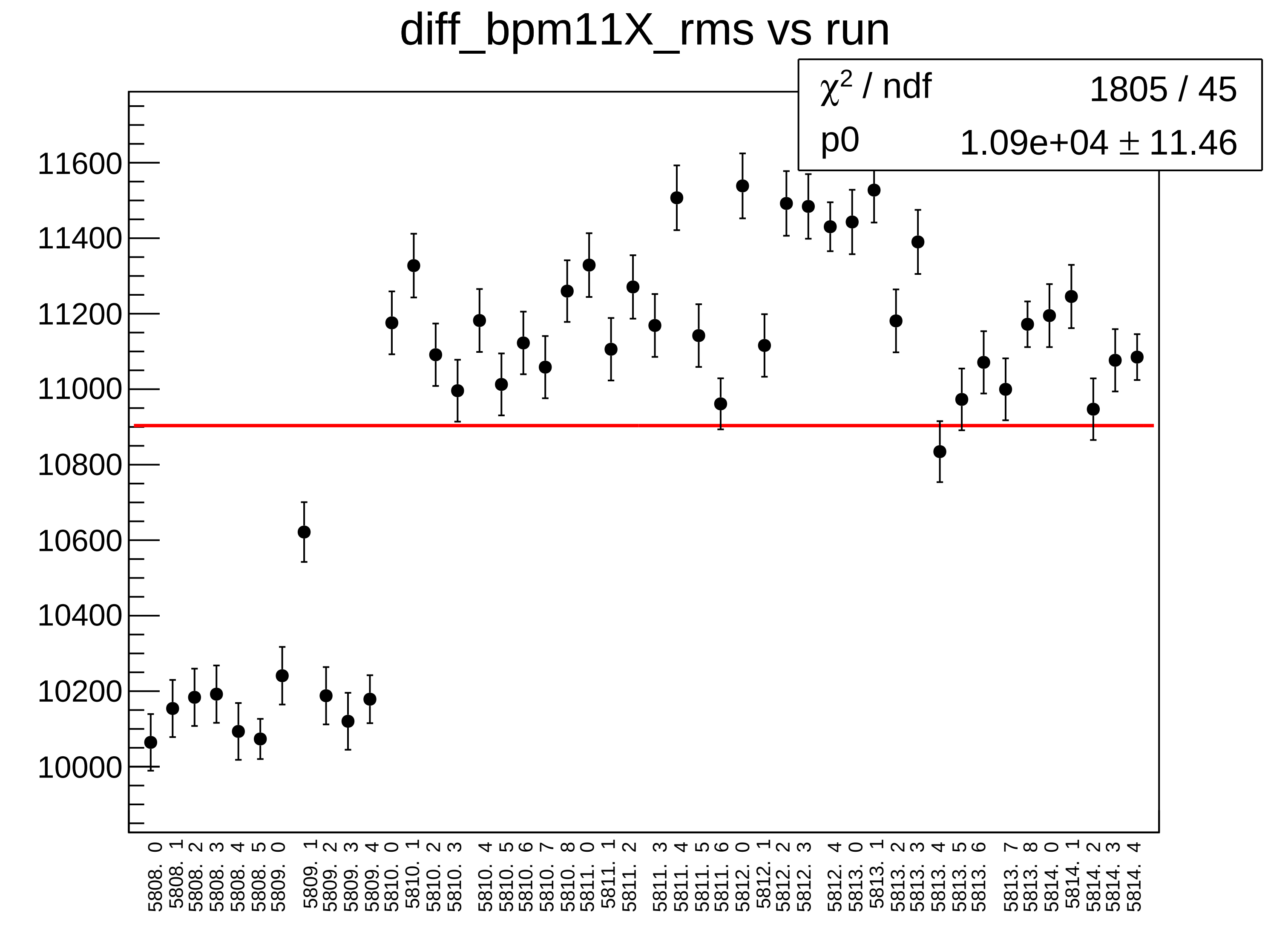
5814. 2
5814. 3
5814. 4



diff_bpm1Y_mean vs run
χ^2 / ndf 42.47 / 45
p0 −10.25 ± 14.09
pull
Entries 46
Mean 564.2
Std Dev 542.6
pull1D
Entries 46
Mean −0.005277
Std Dev 0.9608


diff_bpm1Y_rms vs run
χ^2 / ndf 1.069e+04 / 45
p0 9431 ± 9.96
12000
11500
11000
10500
10000
9500
9000
8500
8000
7500


diff_bpm11X_mean vs run
χ^2 / ndf 51.19 / 45
p0 41.35 ± 16.2
pull
Entries 46
Mean 816.3
Std Dev 809.1
pull1D
Entries 46
Mean 0.0008904
Std Dev 1.055


diff_bpm11X_rms vs run
χ2 / ndf 1805 / 45
p0 1.09e+04 ± 11.46
11600
11400
11200
11000
10800
10600
10400
10200
10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
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5813. 8
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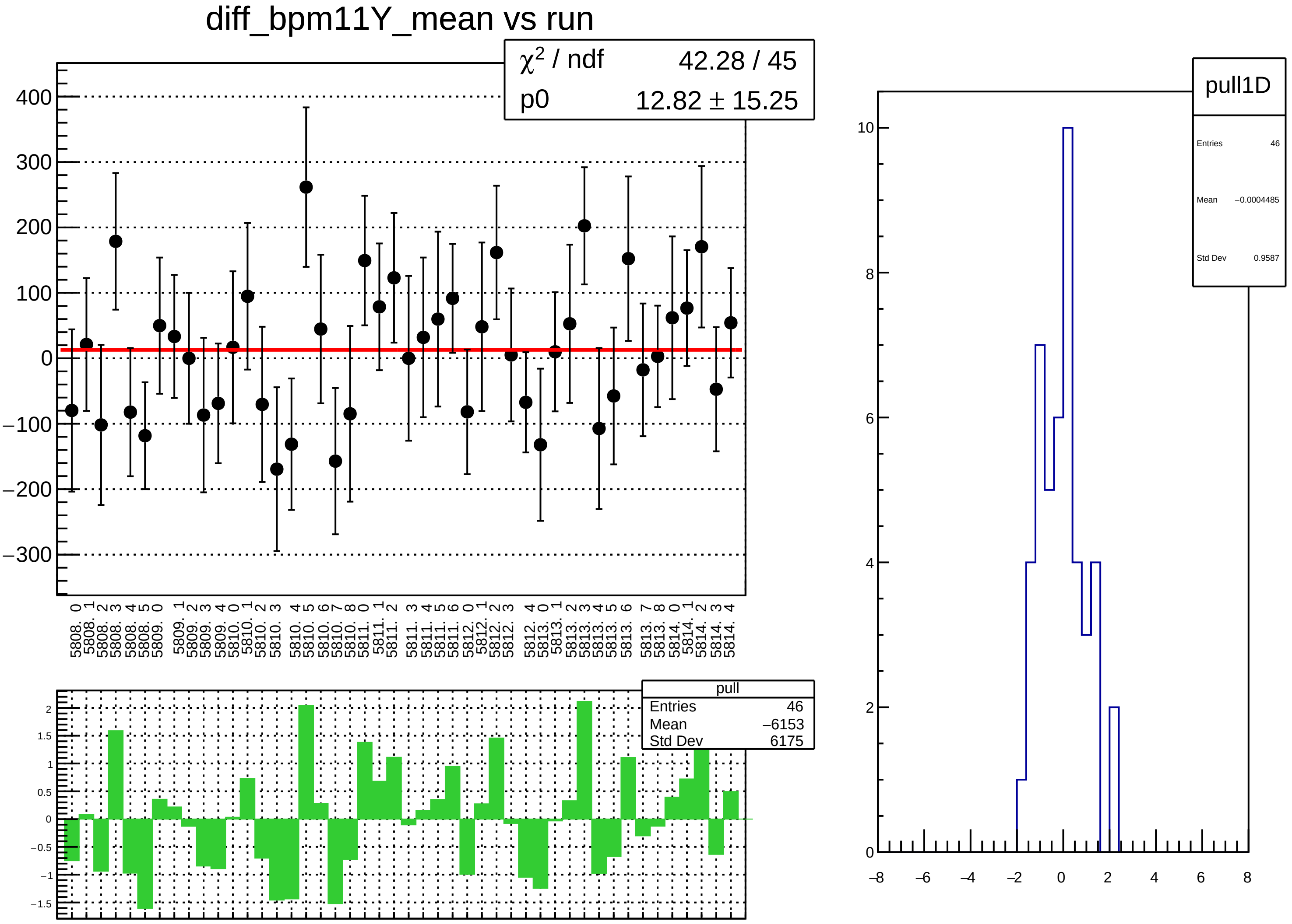
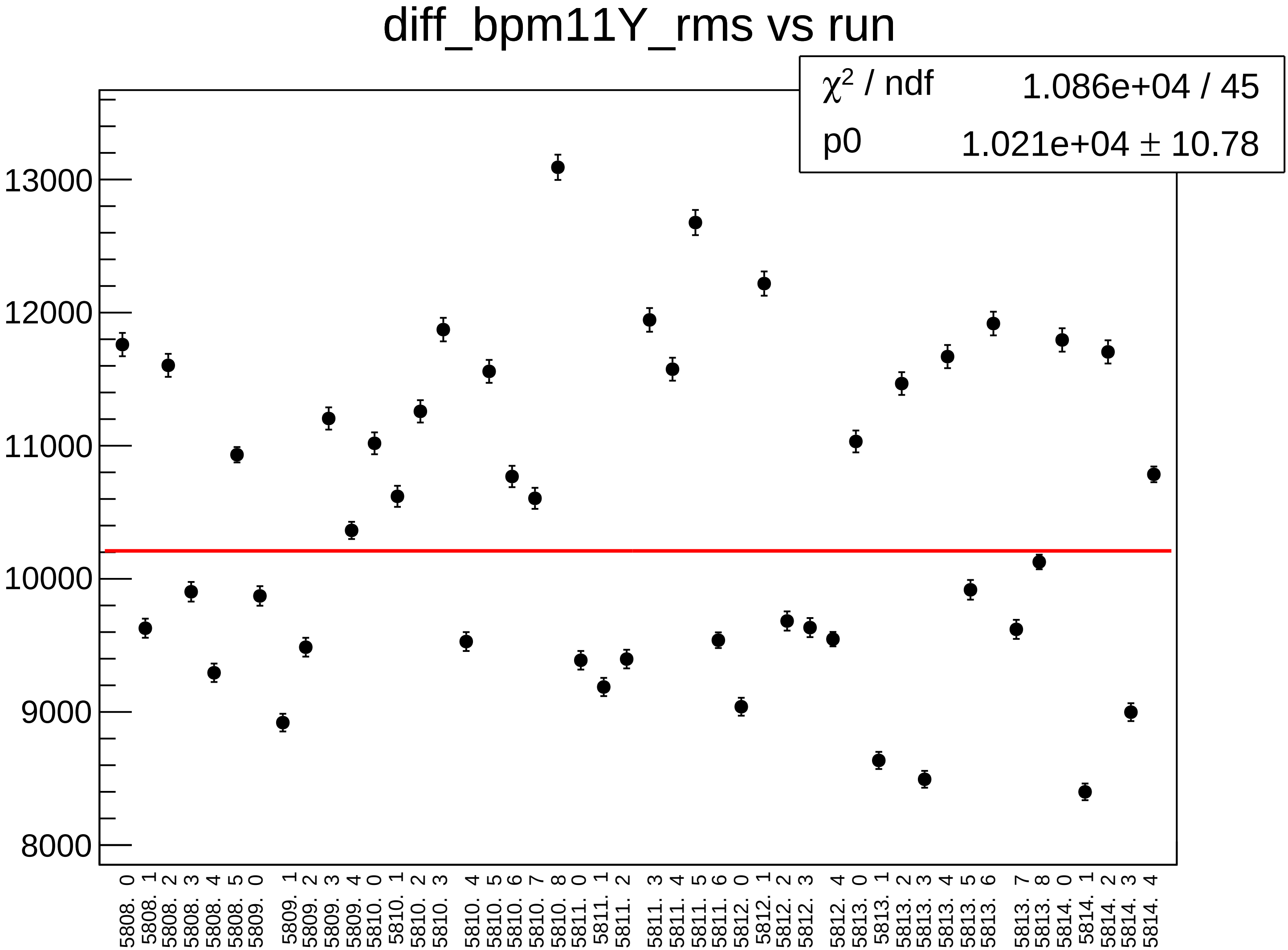
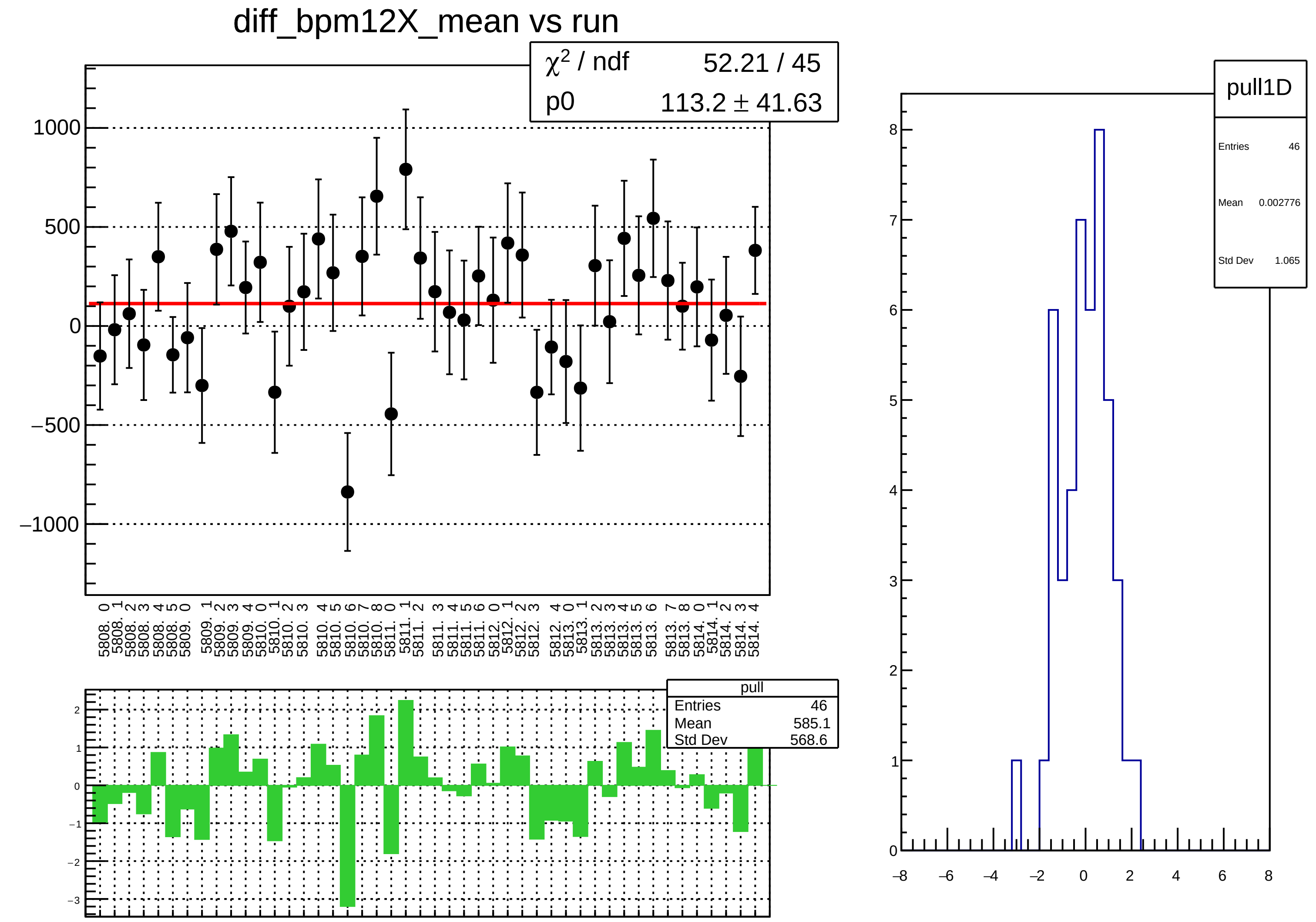
5814. 4

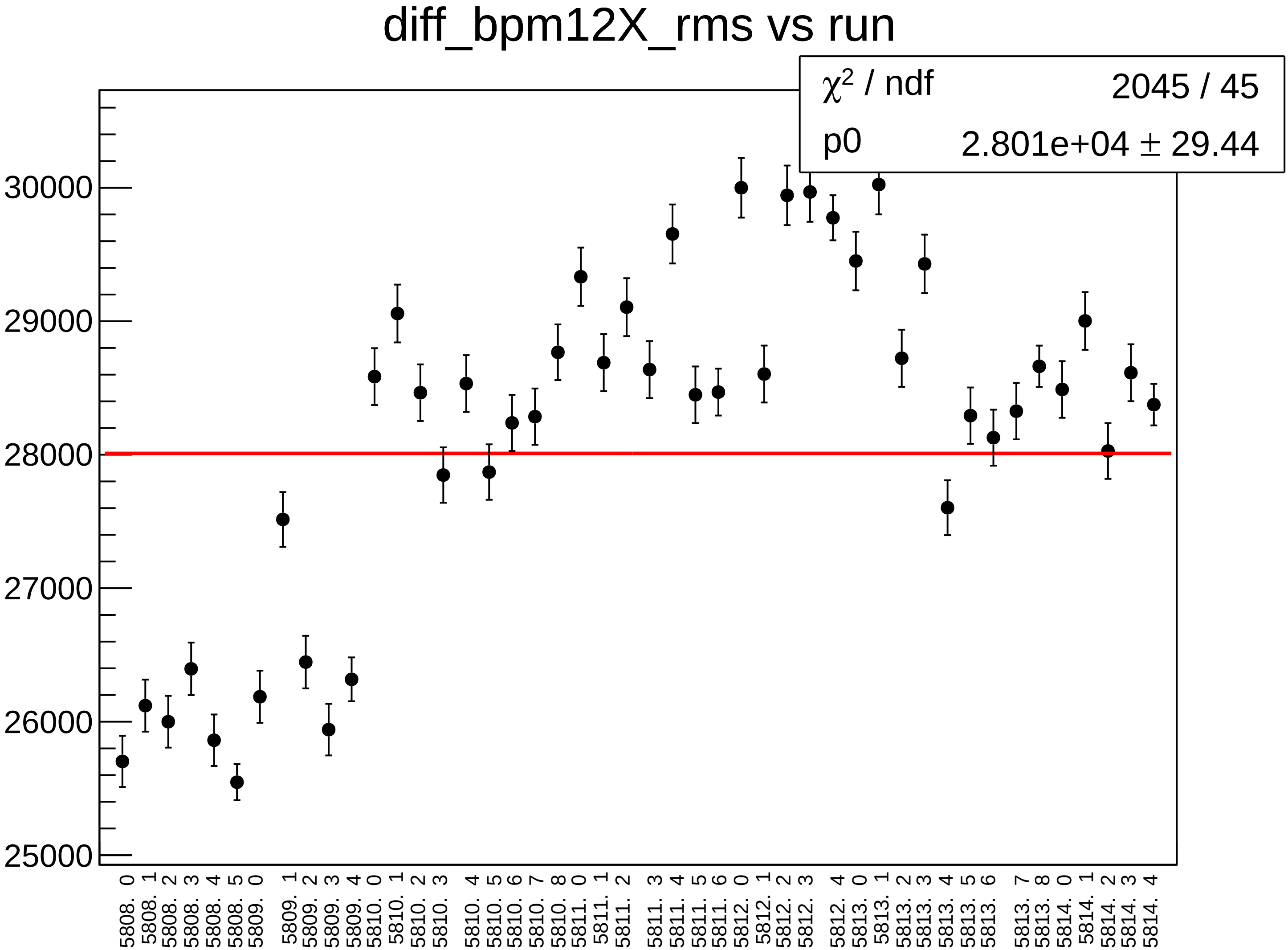


diff_bpm11Y_mean vs run
χ^2 / ndf 42.28 / 45
p0 12.82 ± 15.25
pull
Entries 46
Mean −6153
Std Dev 6175
pull1D
Entries 46
Mean −0.0004485
Std Dev 0.9587

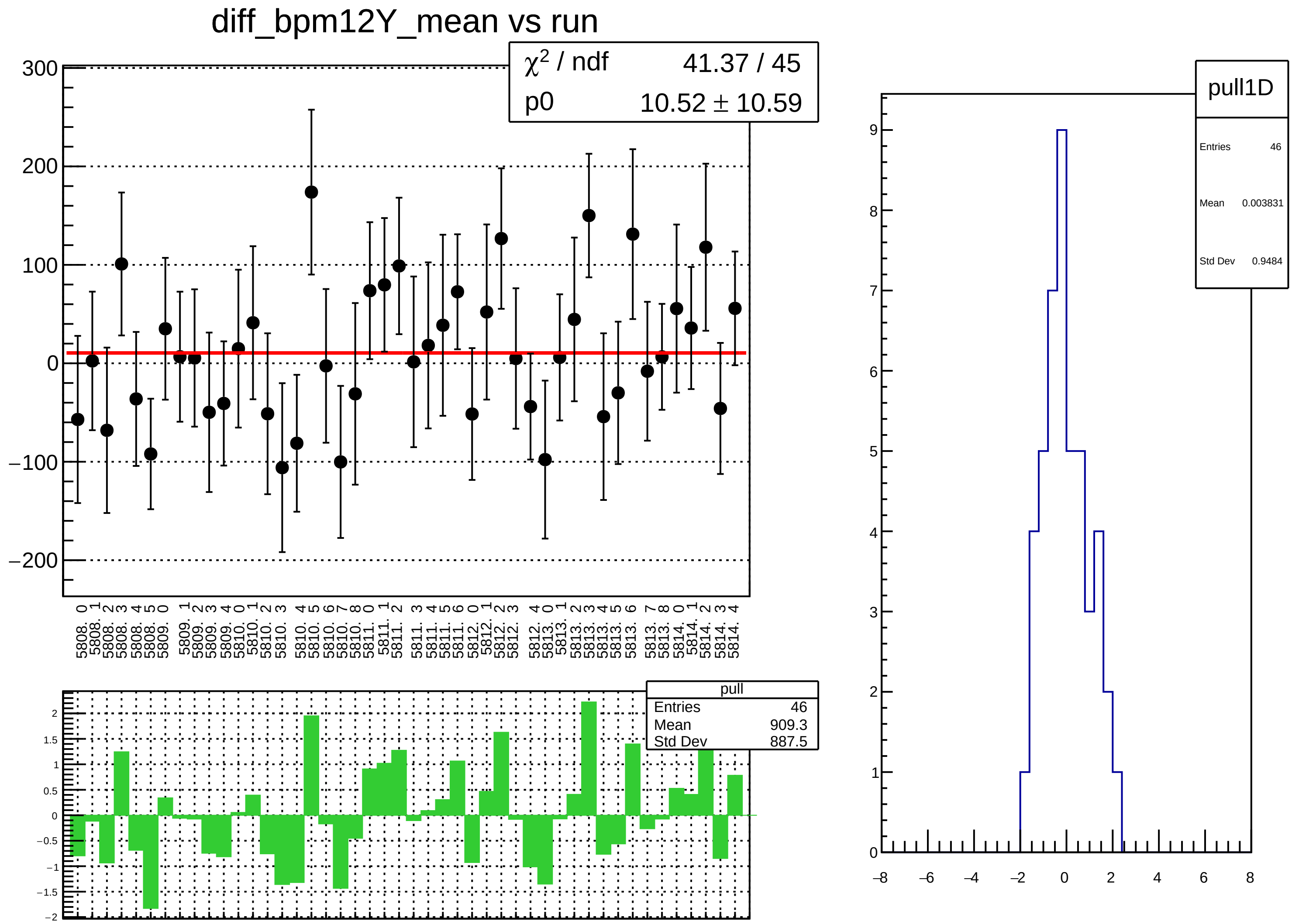

diff_bpm11Y_rms vs run
χ2 / ndf 1.086e+04 / 45
p0 1.021e+04 ± 10.78
13000
12000
11000
10000
9000
8000



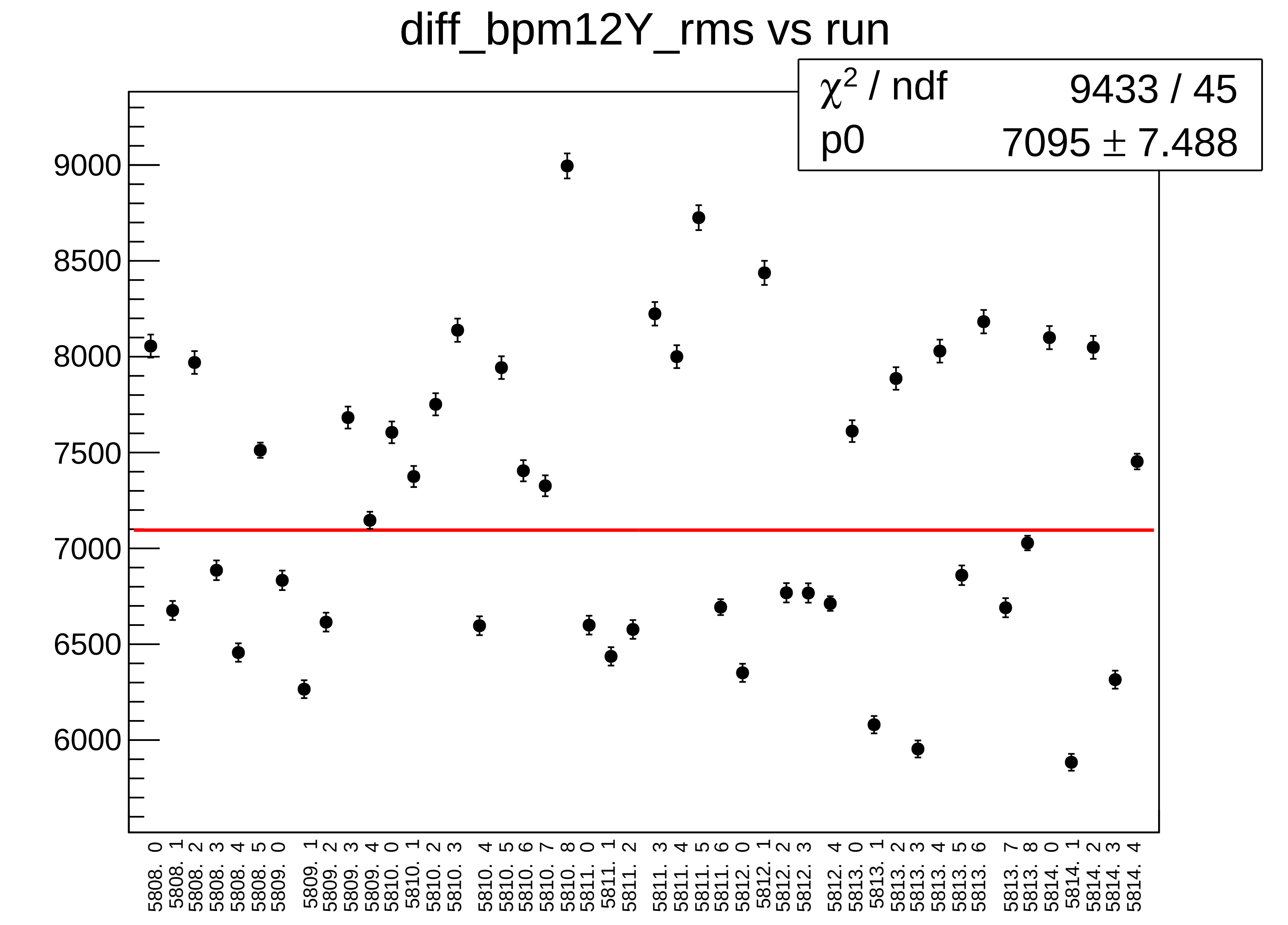
diff_bpm12X_mean vs run
χ^2 / ndf 52.21 / 45
p0 113.2 ± 41.63
pull
Entries 46
Mean 585.1
Std Dev 568.6
pull1D
Entries 46
Mean 0.002776
Std Dev 1.065



diff_bpm12X_rms vs run
χ^2 / ndf 2045 / 45
p0 2.801e+04 ± 29.44
30000
29000
28000
27000
26000
25000



diff_bpm12Y_mean vs run
χ^2 / ndf 41.37 / 45
p0 10.52 ± 10.59
pull
Entries 46
Mean 909.3
Std Dev 887.5
pull1D
Entries 46
Mean 0.003831
Std Dev 0.9484


diff_bpm12Y_rms vs run
χ2 / ndf 9433 / 45
p0 7095 ± 7.488
9000
8500
8000
7500
7000
6500
6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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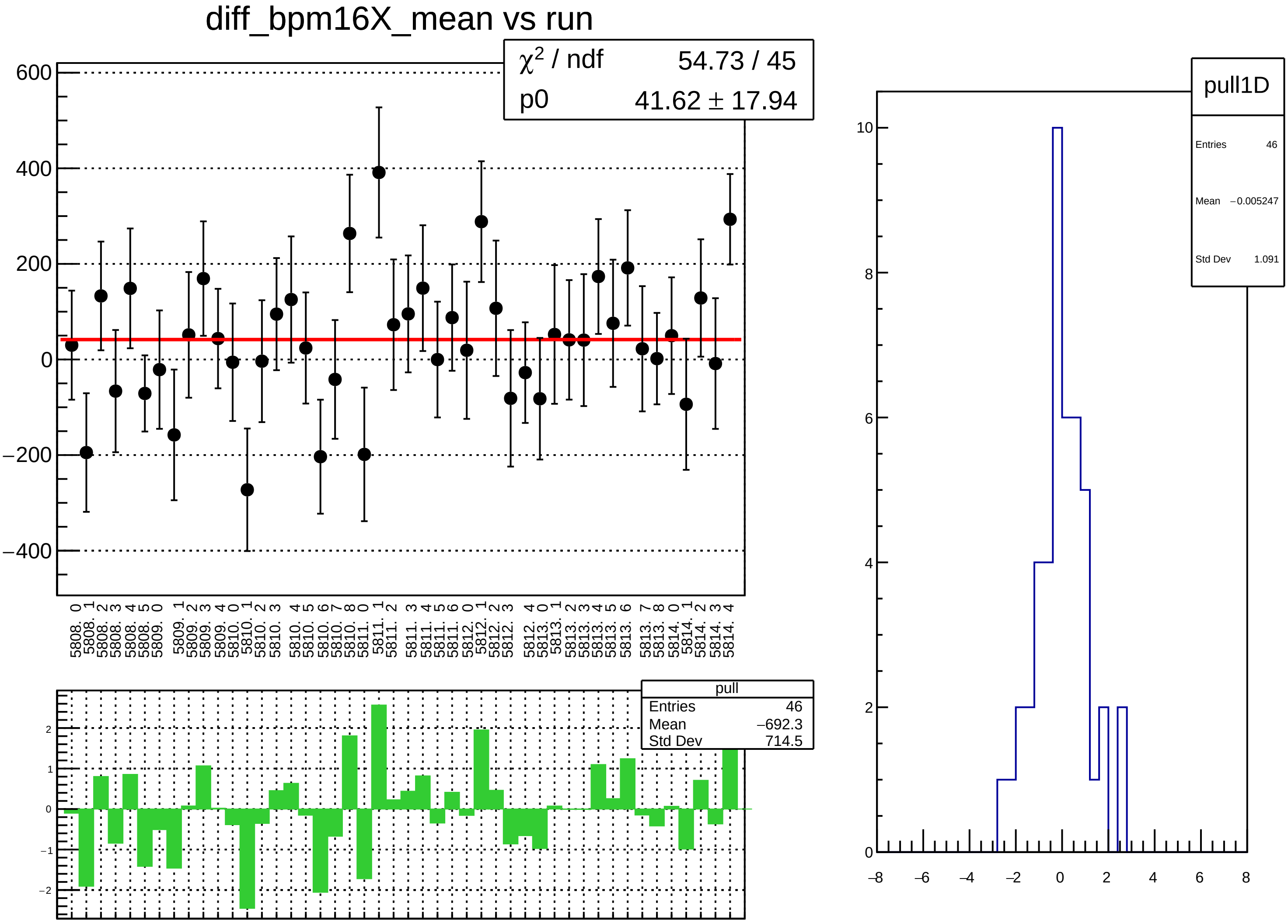
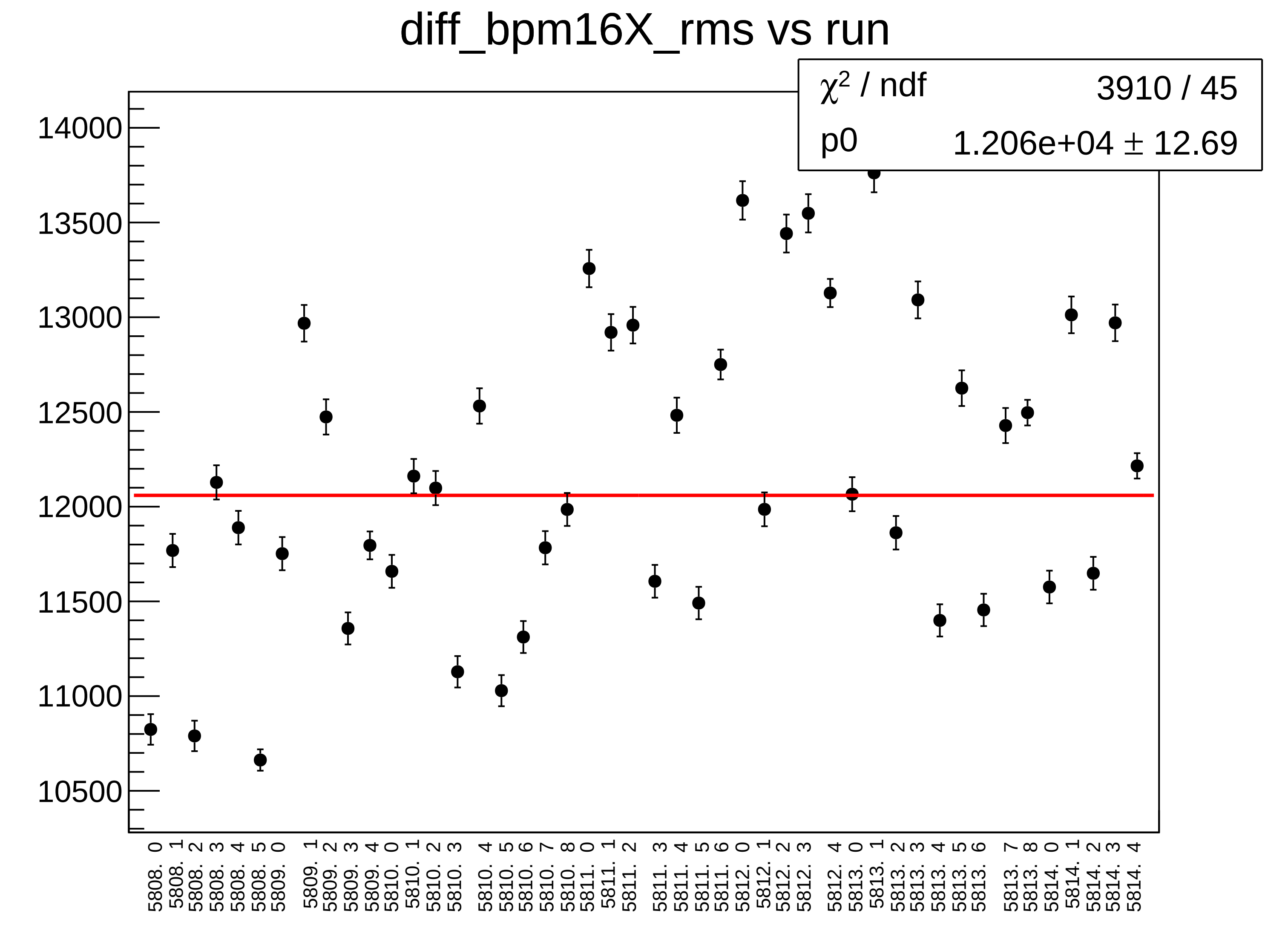
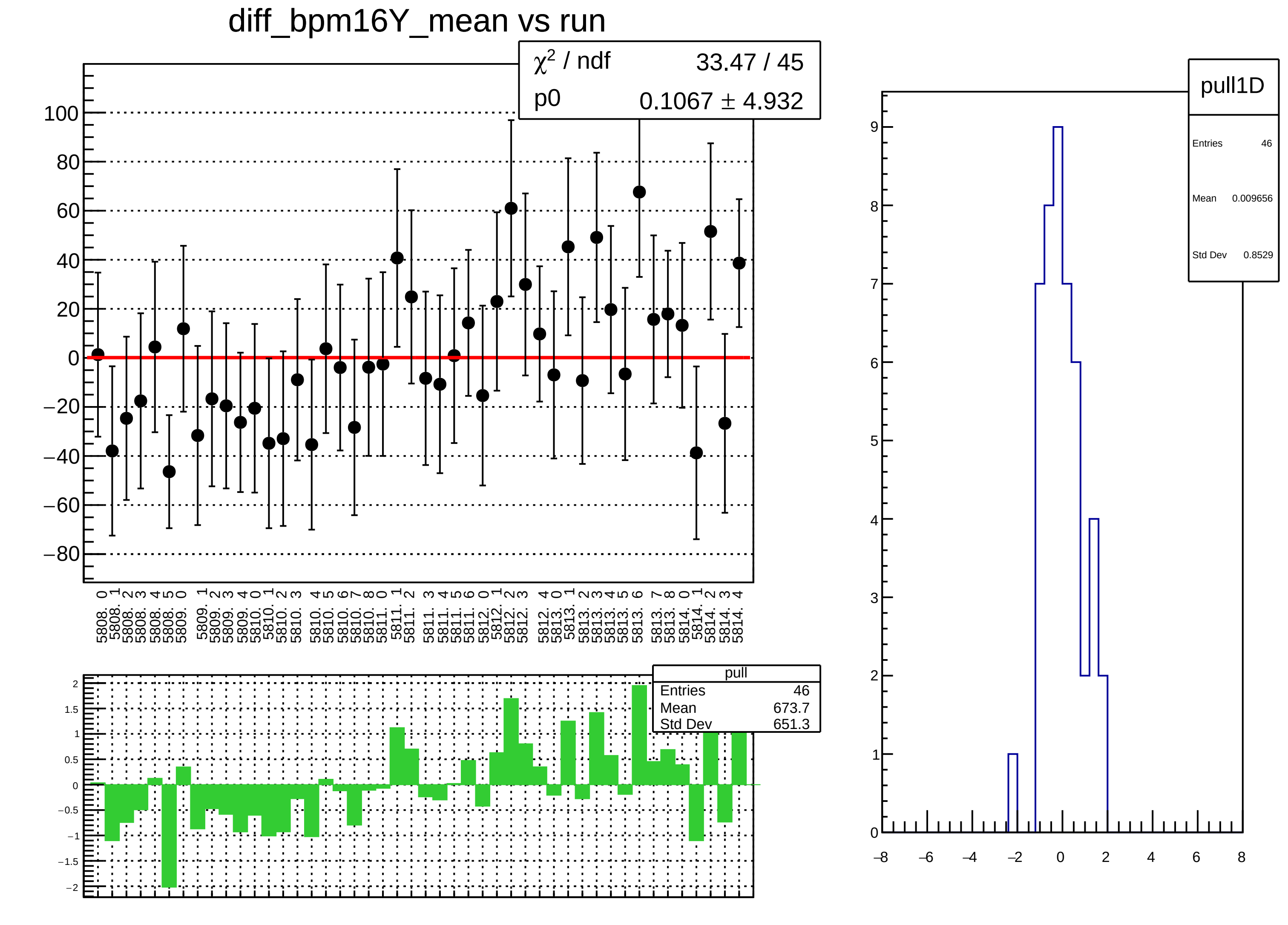
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

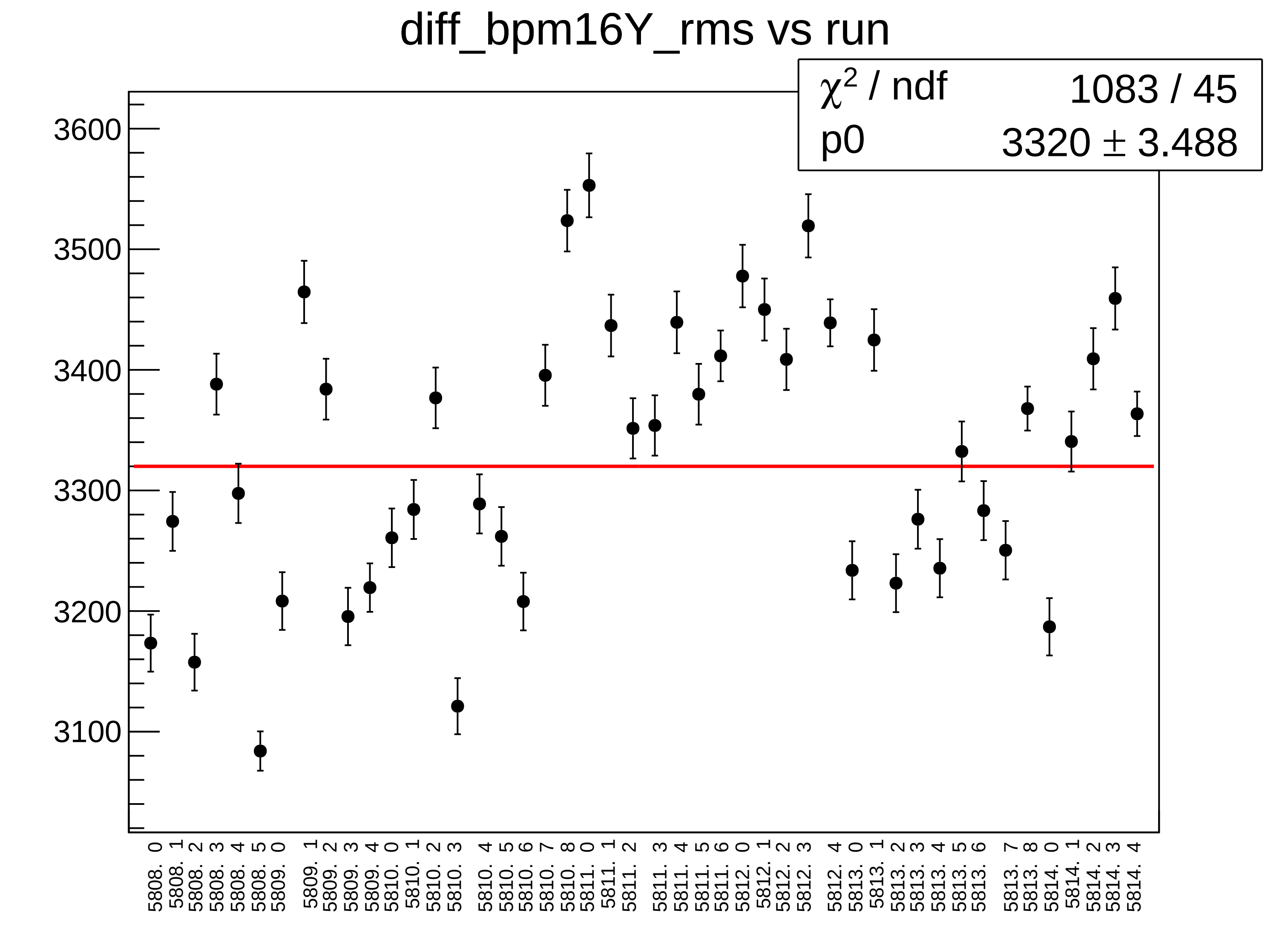


diff_bpm16X_mean vs run
χ2 / ndf 54.73 / 45
p0 41.62 ± 17.94
pull
Entries 46
Mean −692.3
Std Dev 714.5
pull1D
Entries 46
Mean −0.005247
Std Dev 1.091


diff_bpm16X_rms vs run
χ2 / ndf 3910 / 45
p0 1.206e+04 ± 12.69
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



diff_bpm16Y_mean vs run
χ^2 / ndf 33.47 / 45
p0 0.1067 ± 4.932
pull
Entries 46
Mean 673.7
Std Dev 651.3
pull1D
Entries 46
Mean 0.009656
Std Dev 0.8529


diff_bpm16Y_rms vs run
χ^2 / ndf 1083 / 45
p0 3320 ± 3.488
3600
3500
3400
3300
3200
3100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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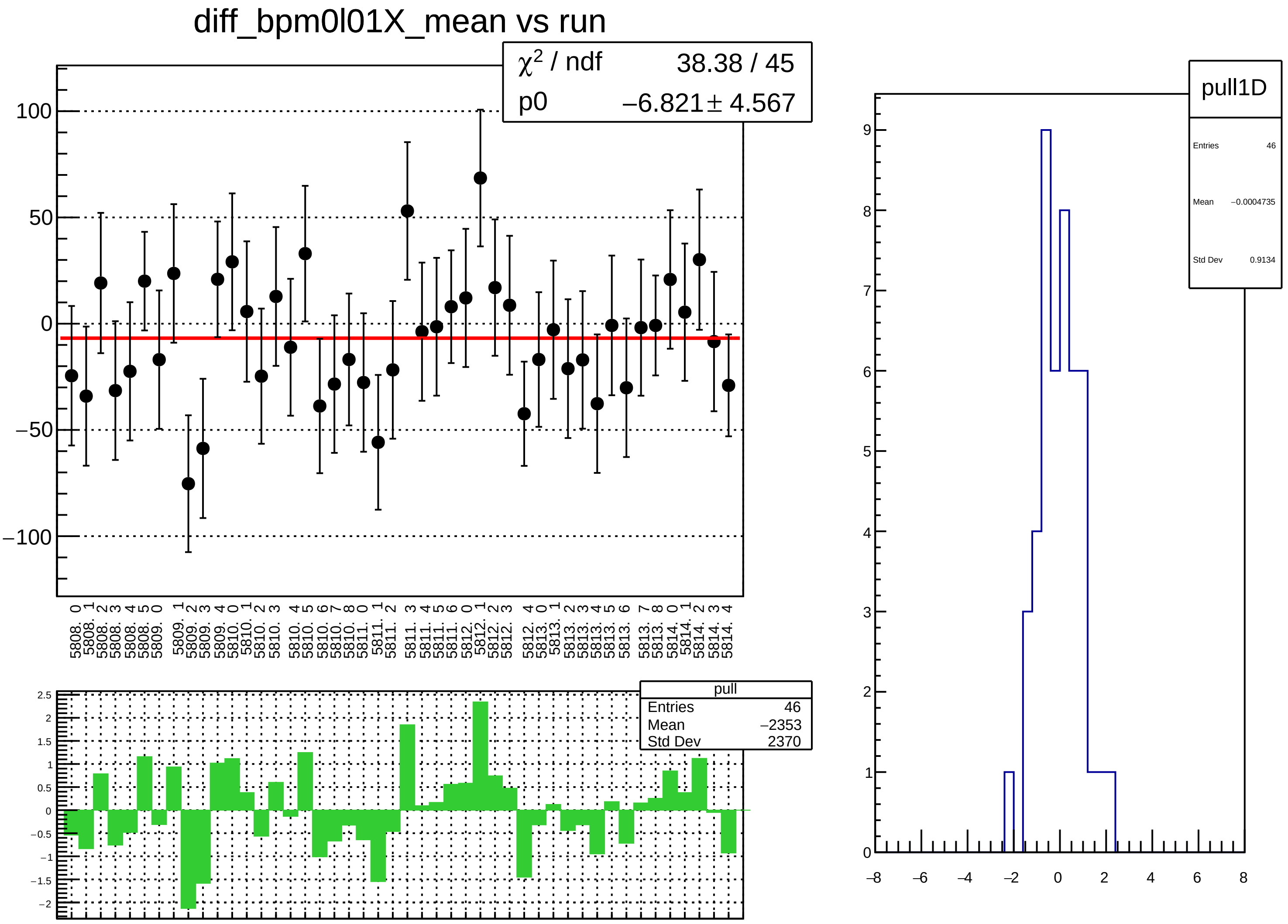
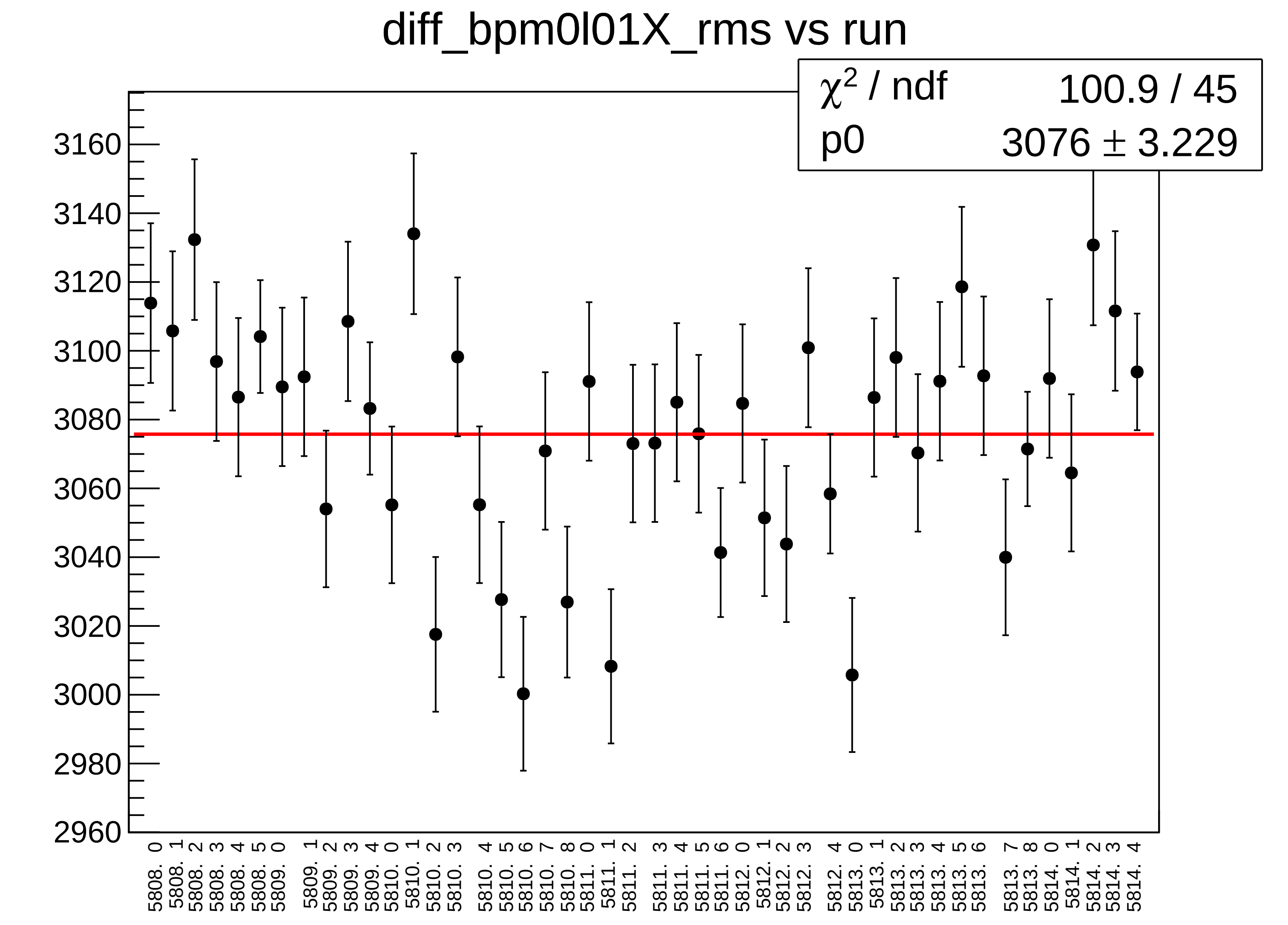
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


diff_bpm0l01X_mean vs run
χ^2 / ndf 38.38 / 45
p0 −6.821 ± 4.567
pull
Entries 46
Mean −2353
Std Dev 2370
pull1D
Entries 46
Mean −0.0004735
Std Dev 0.9134


diff_bpm0l01X_rms vs run
χ2 / ndf 100.9 / 45
p0 3076 ± 3.229
3160
3140
3120
3100
3080
3060
3040
3020
3000
2980
2960
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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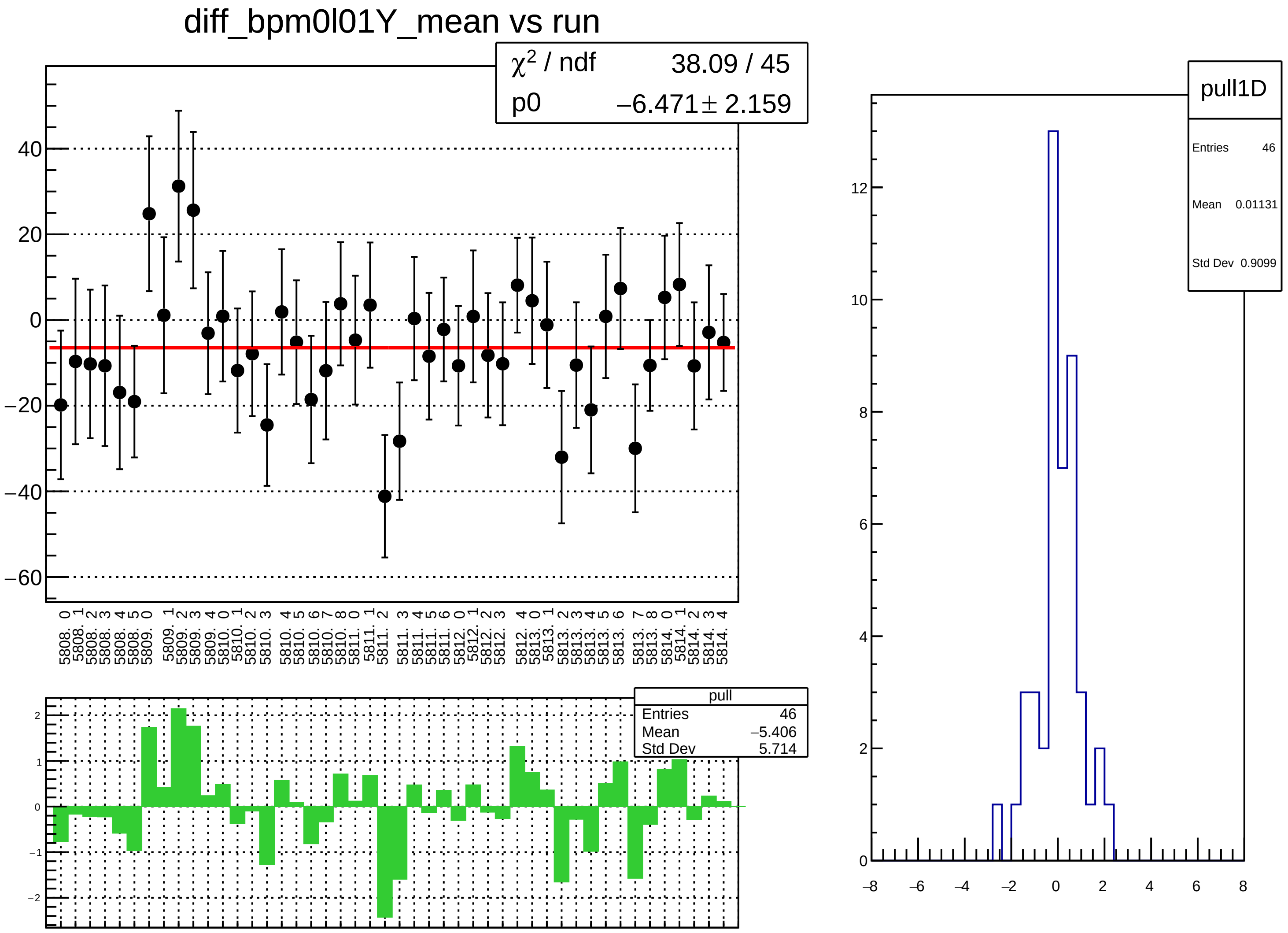
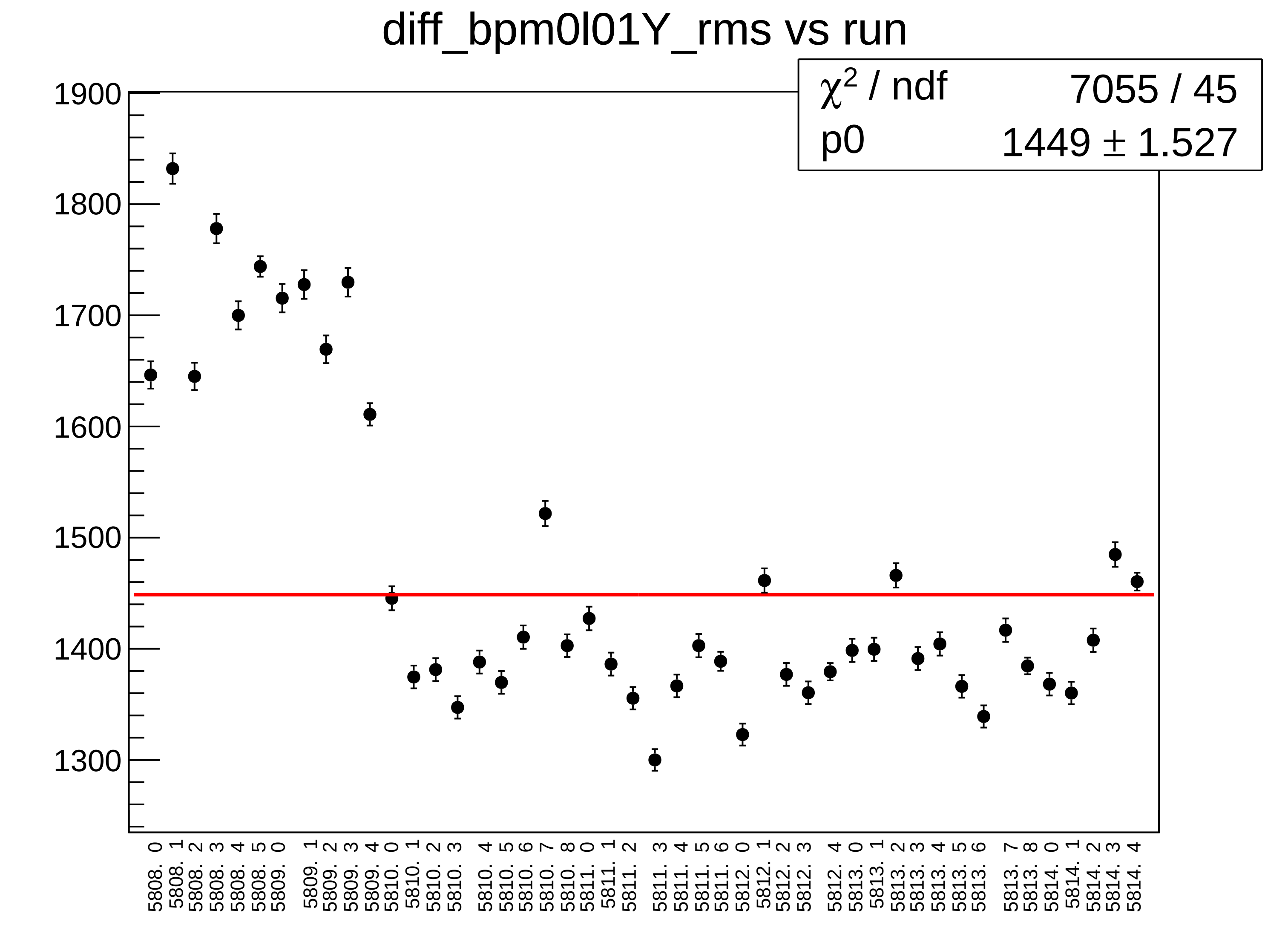
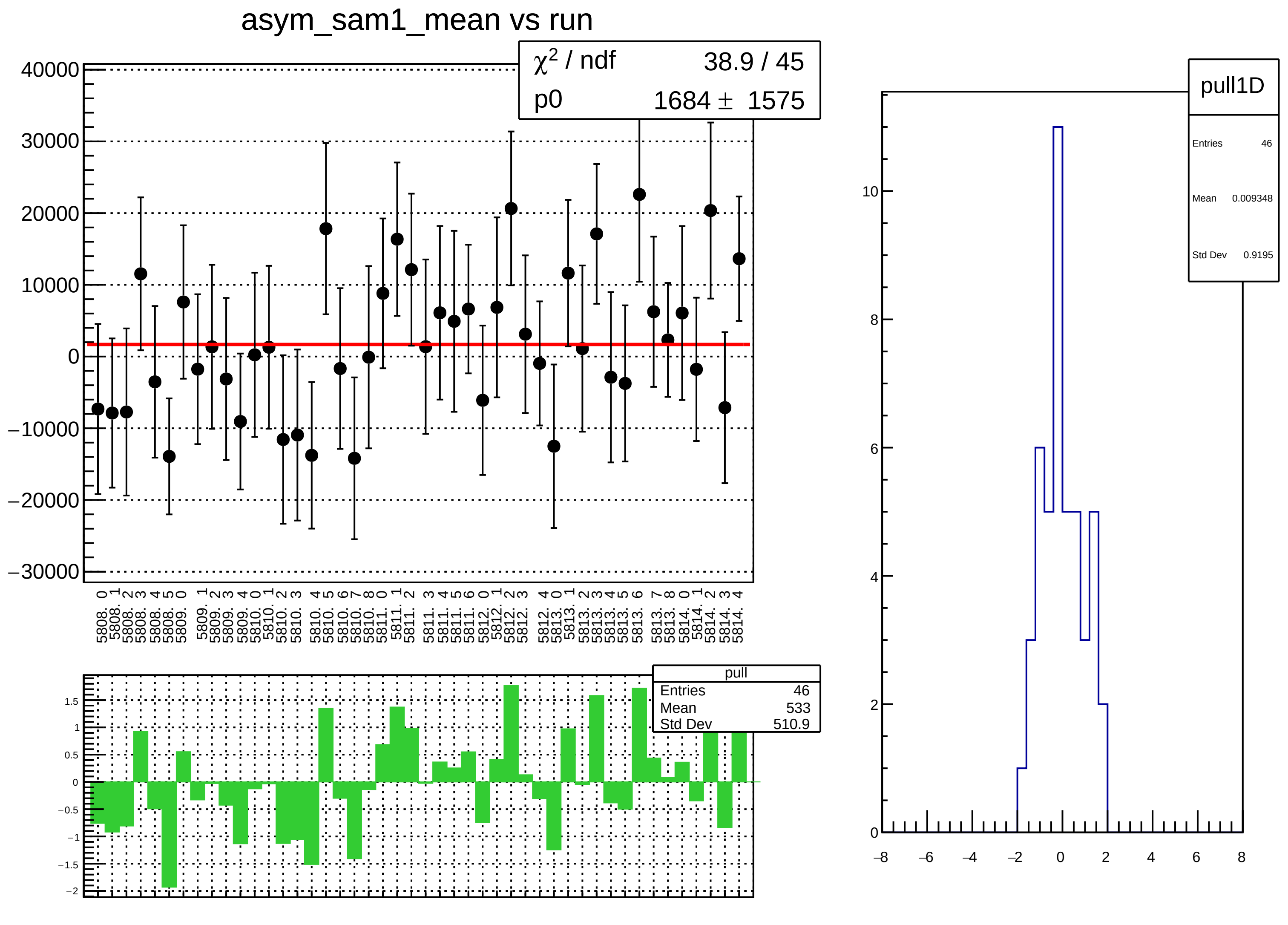
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

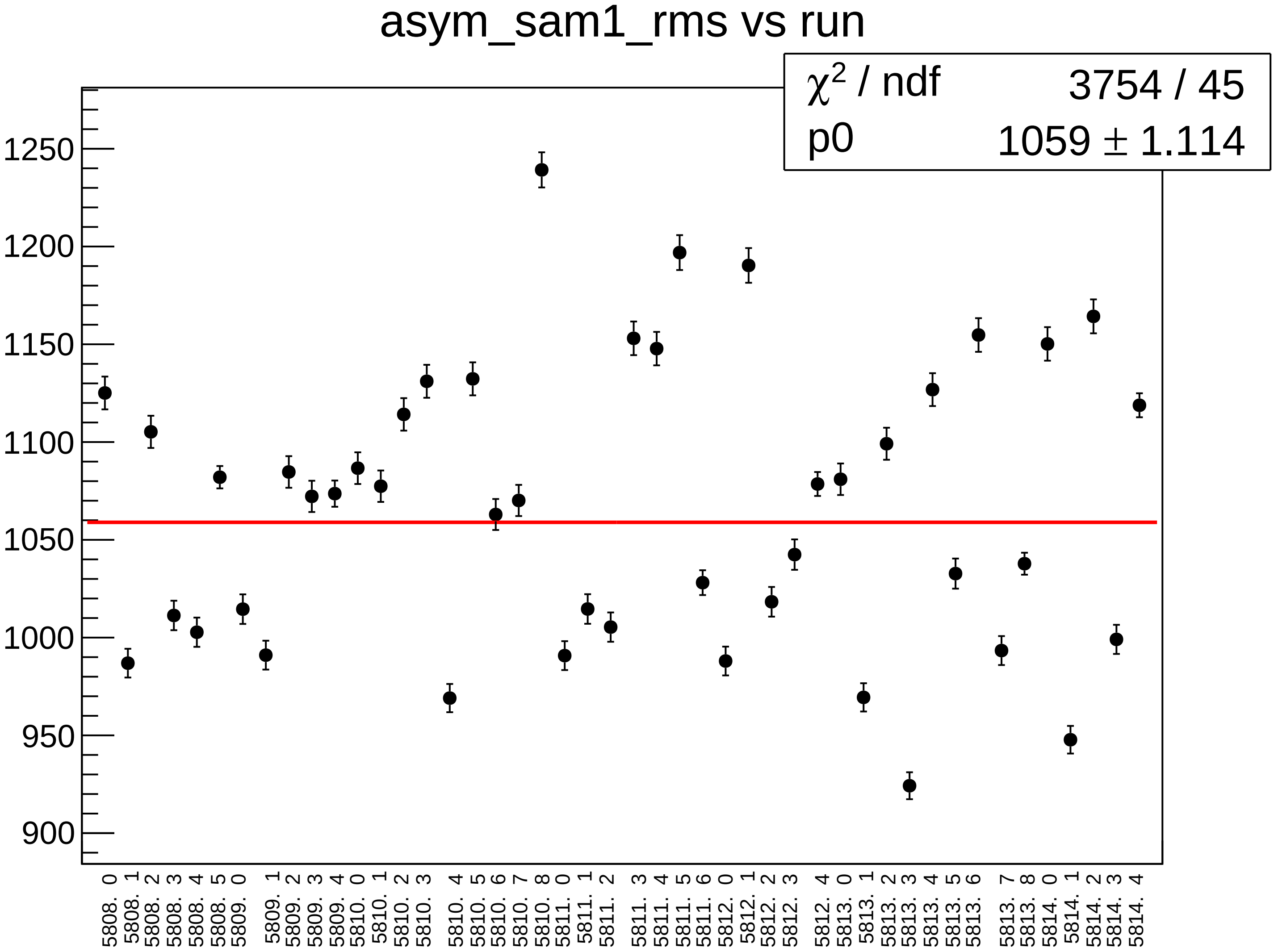


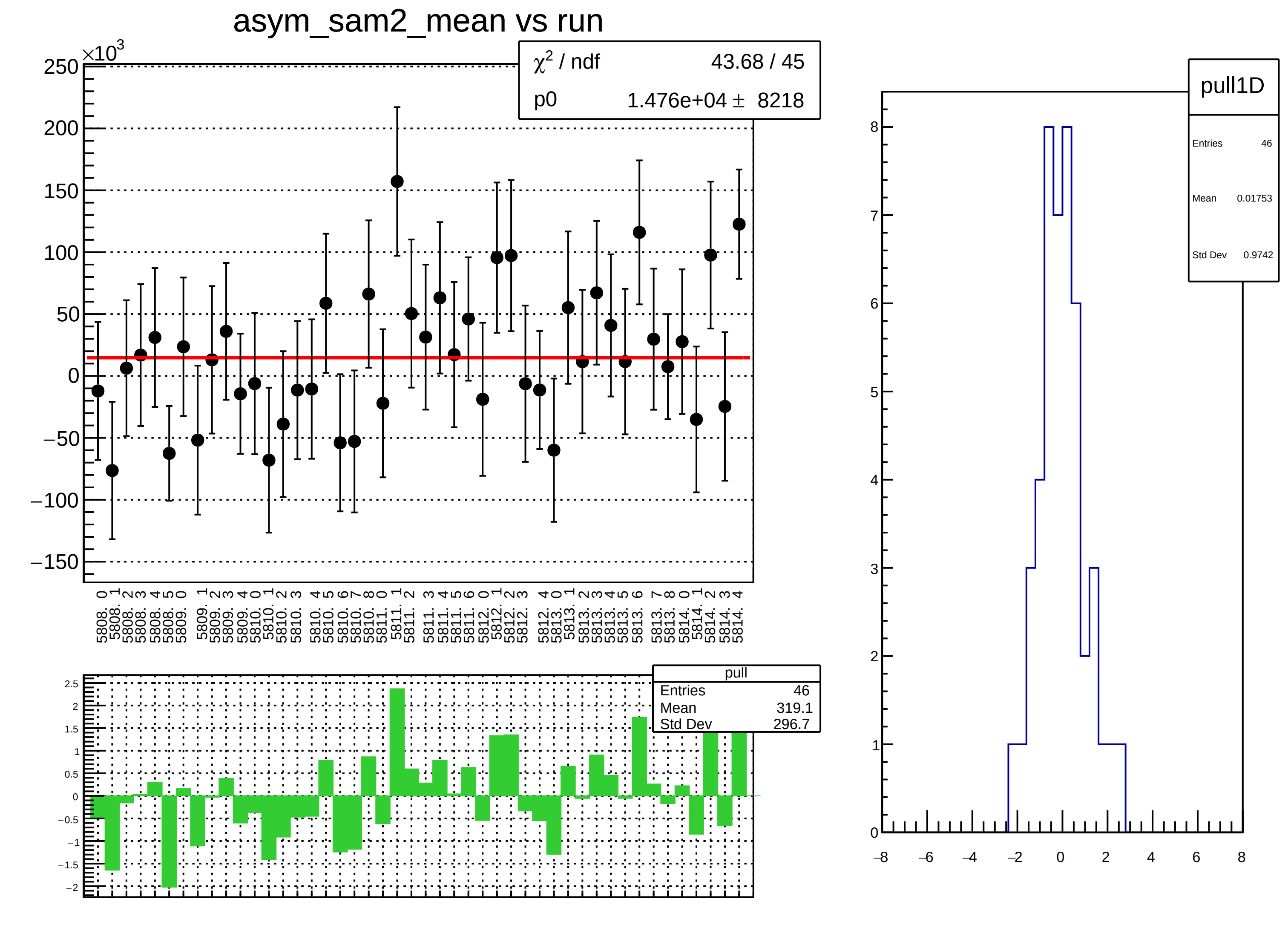
diff_bpm0l01Y_mean vs run
χ2 / ndf 38.09 / 45
p0 −6.471 ± 2.159
pull
Entries 46
Mean −5.406
Std Dev 5.714
pull1D
Entries 46
Mean 0.01131
Std Dev 0.9099


diff_bpm0l01Y_rms vs run
χ2 / ndf 7055 / 45
p0 1449 ± 1.527
1900
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

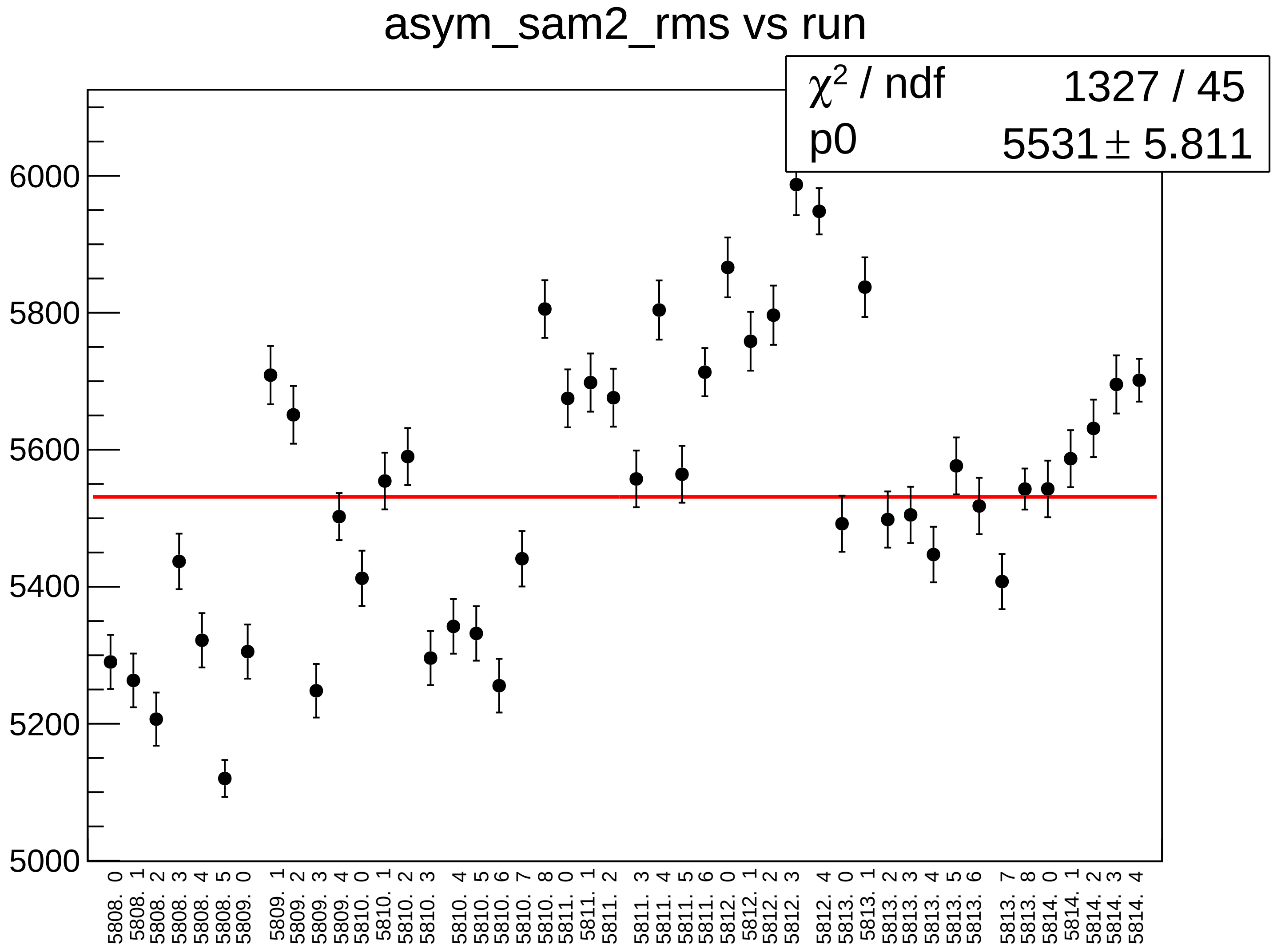


asym_sam1_mean vs run
χ^2 / ndf 38.9 / 45
p0 1684 ± 1575
pull
Entries 46
Mean 533
Std Dev 510.9
pull1D
Entries 46
Mean 0.009348
Std Dev 0.9195


asym_sam1_rms vs run
χ^2 / ndf 3754 / 45
p0 1059 ± 1.114
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

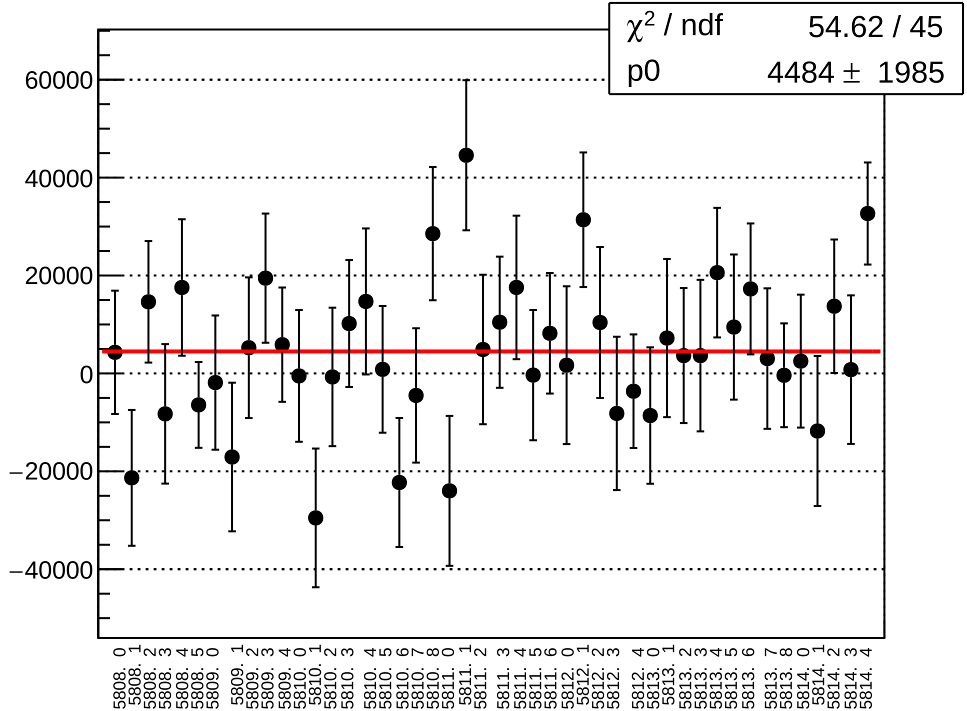


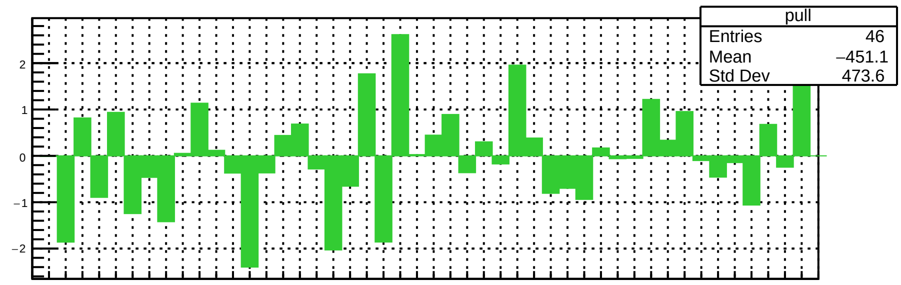
asym_sam2_mean vs run
χ^2 / ndf 43.68 / 45
p0 1.476e+04 ± 8218
pull
Entries 46
Mean 319.1
Std Dev 296.7
pull1D
Entries 46
Mean 0.01753
Std Dev 0.9742

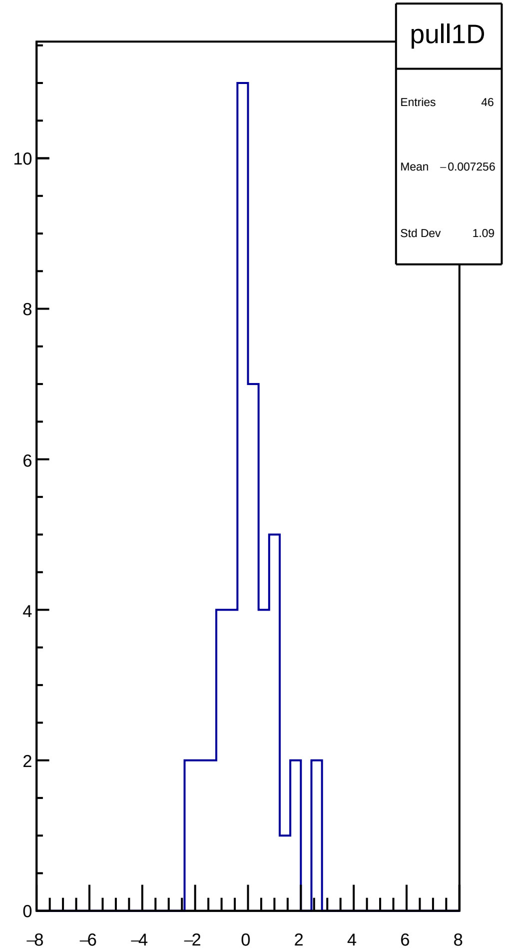


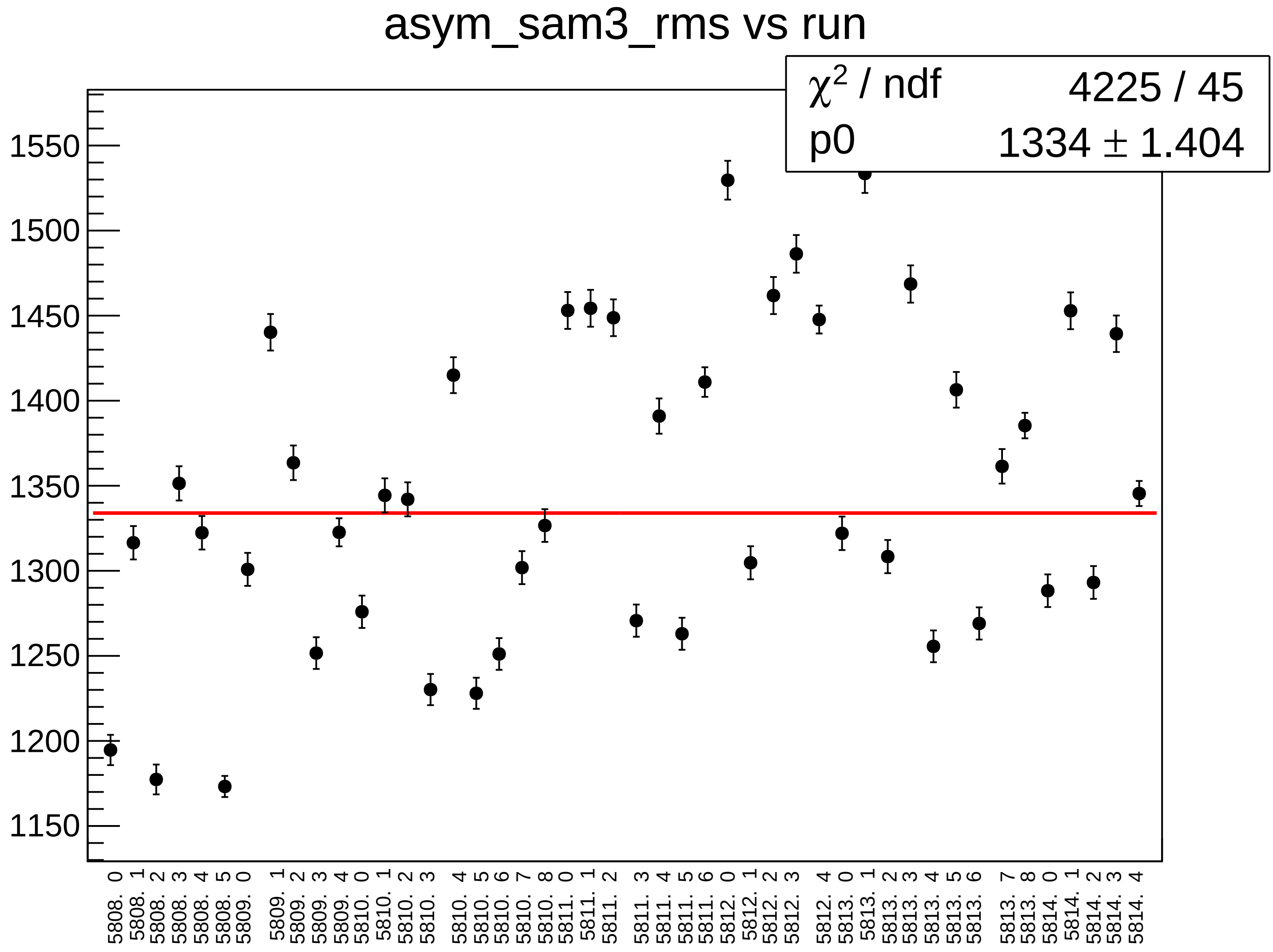
asym_sam2_rms vs run
χ2 / ndf 1327 / 45
p0 5531 ± 5.811
6000
5800
5600
5400
5200
5000

asym_sam3_mean vs run









asym_sam3_rms vs run
χ2 / ndf 4225 / 45
p0 1334 ± 1.404
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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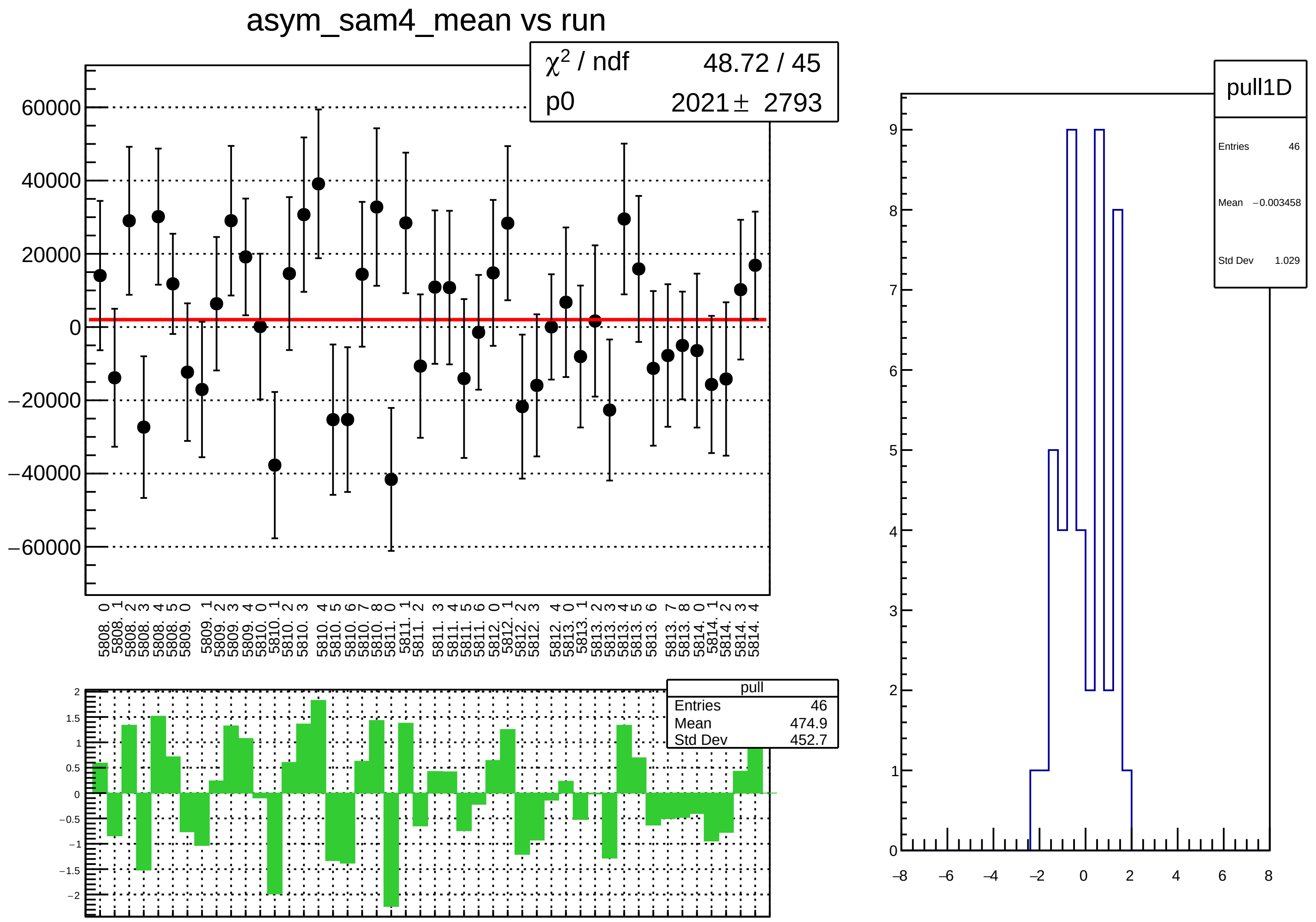
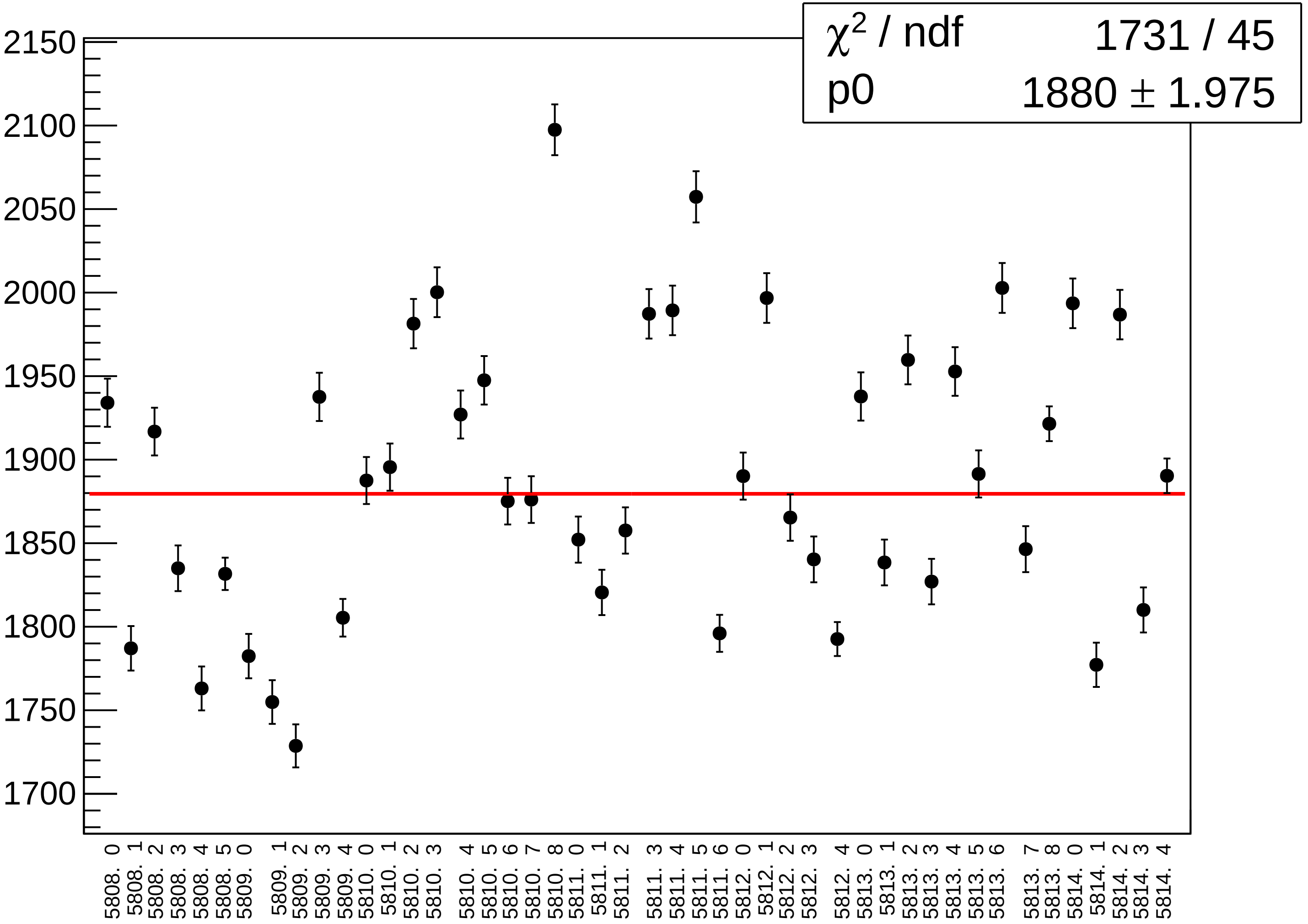
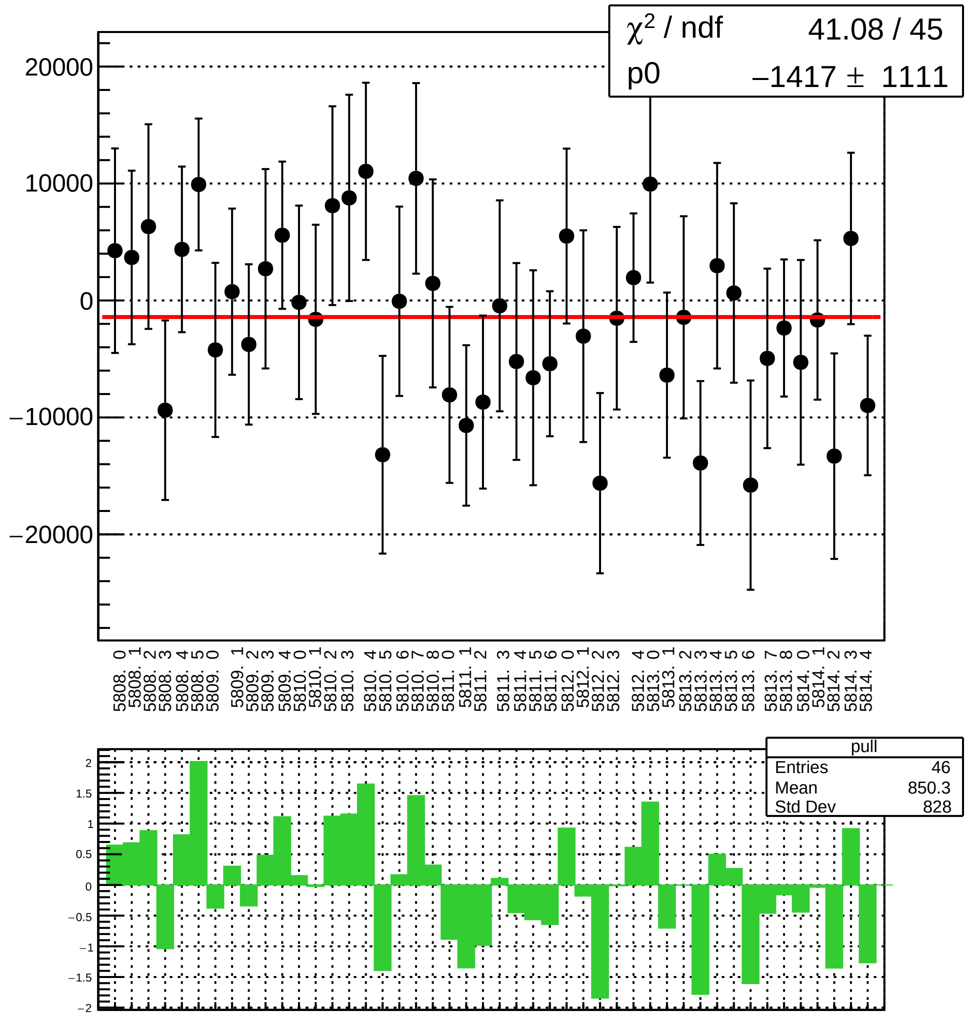
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

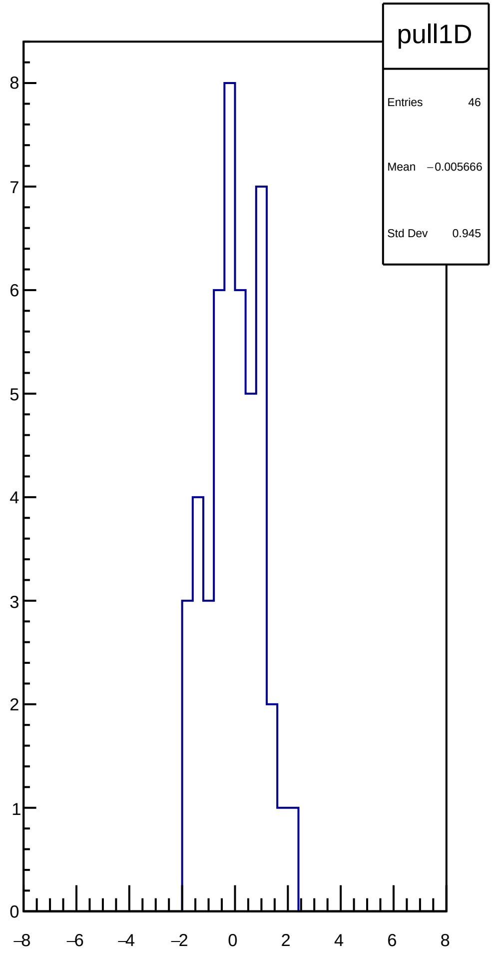

asym_sam4_mean vs run
χ^2 / ndf 48.72 / 45
p0 2021 ± 2793
pull
Entries 46
Mean 474.9
Std Dev 452.7
pull1D
Entries 46
Mean −0.003458
Std Dev 1.029

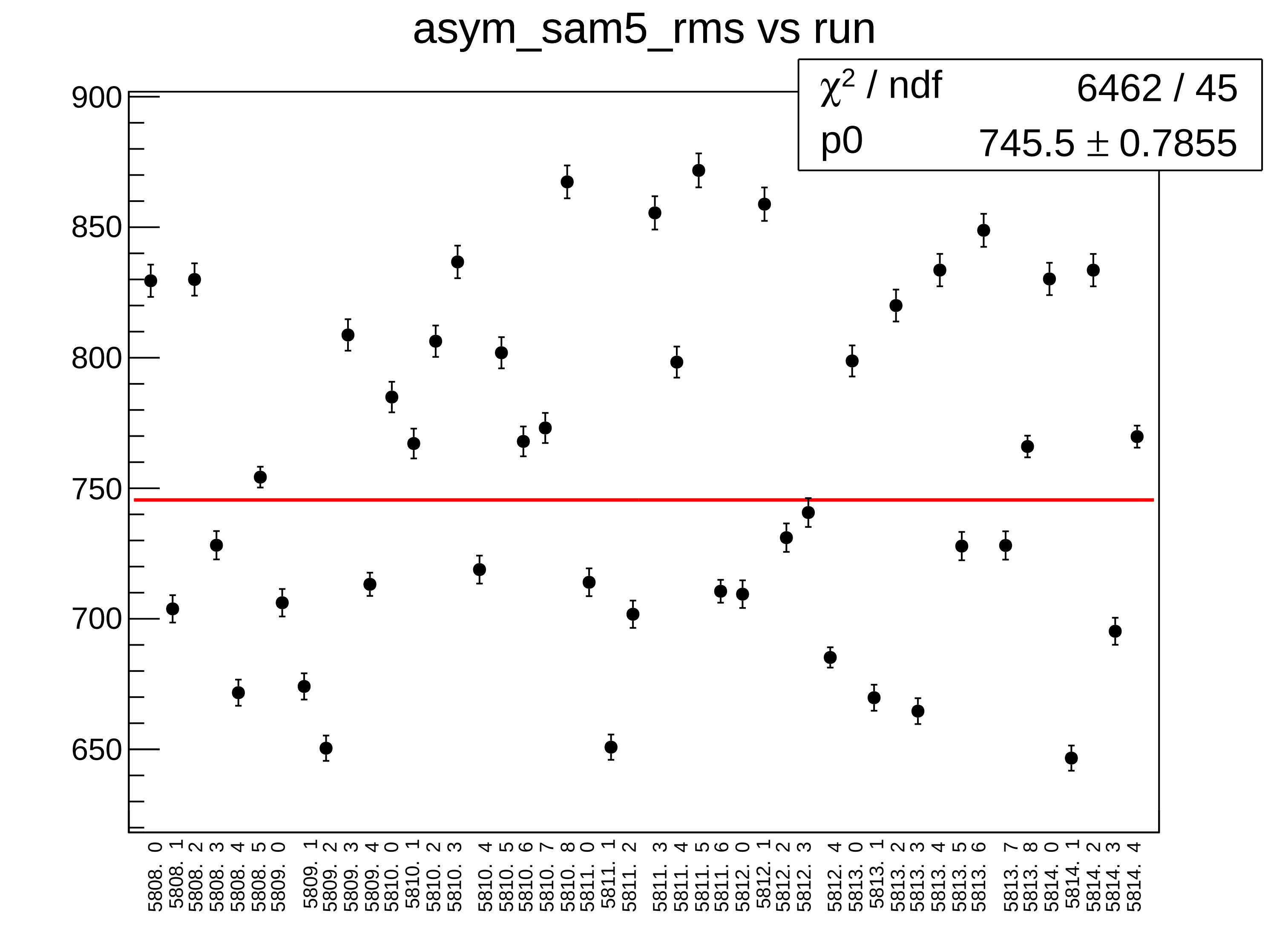
asym_sam4_rms vs run

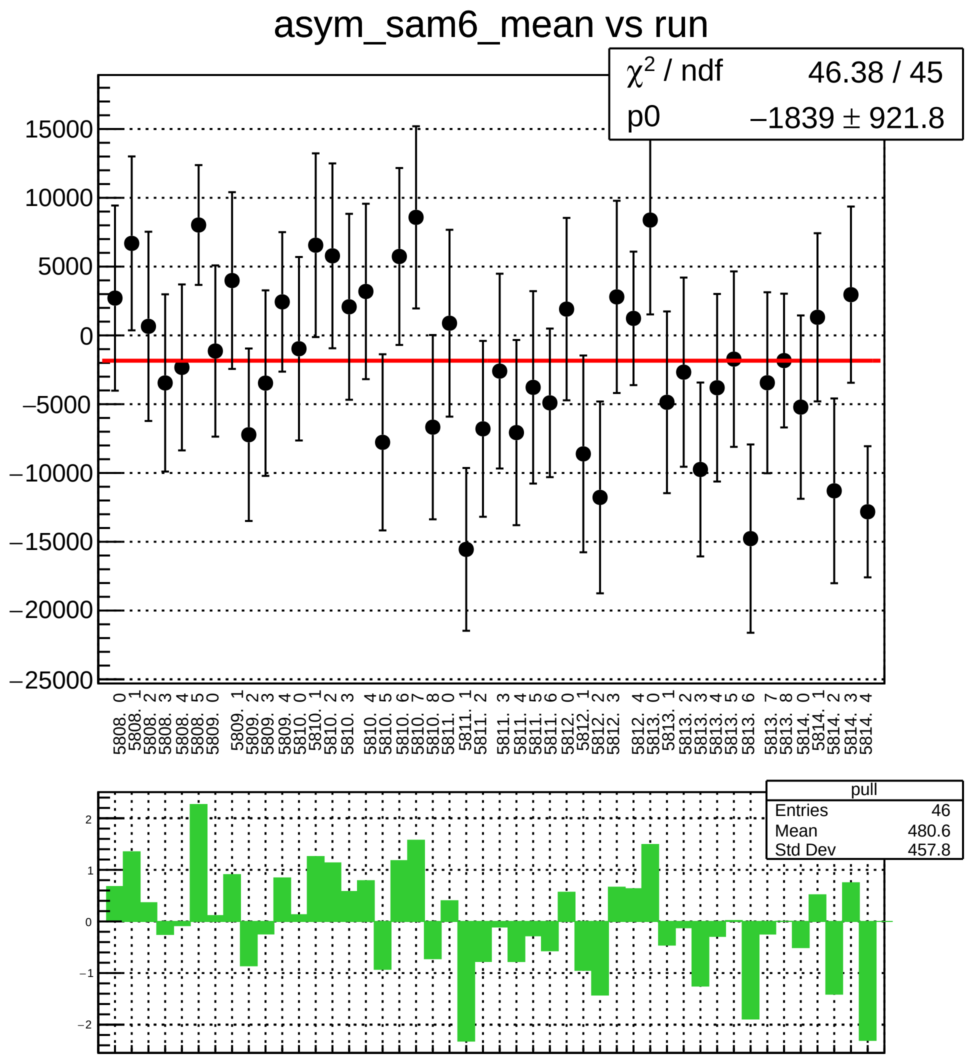


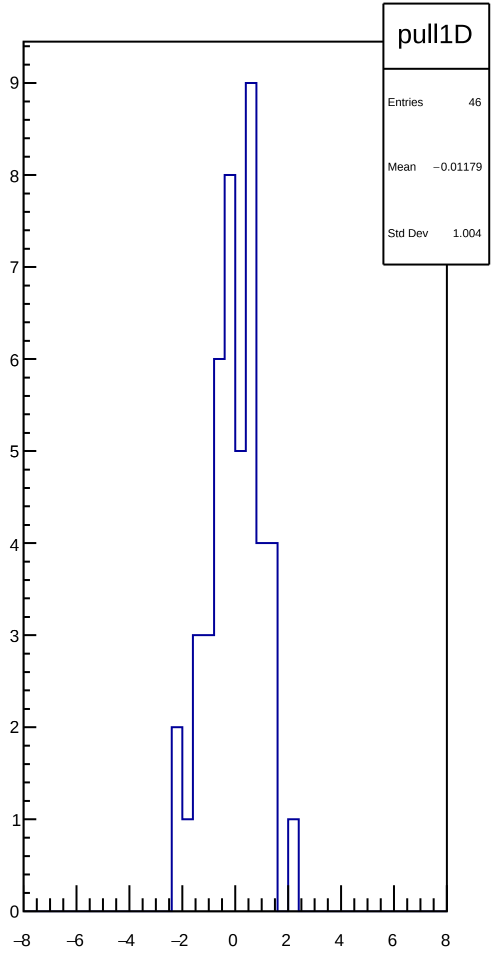
asym_sam5_mean vs run

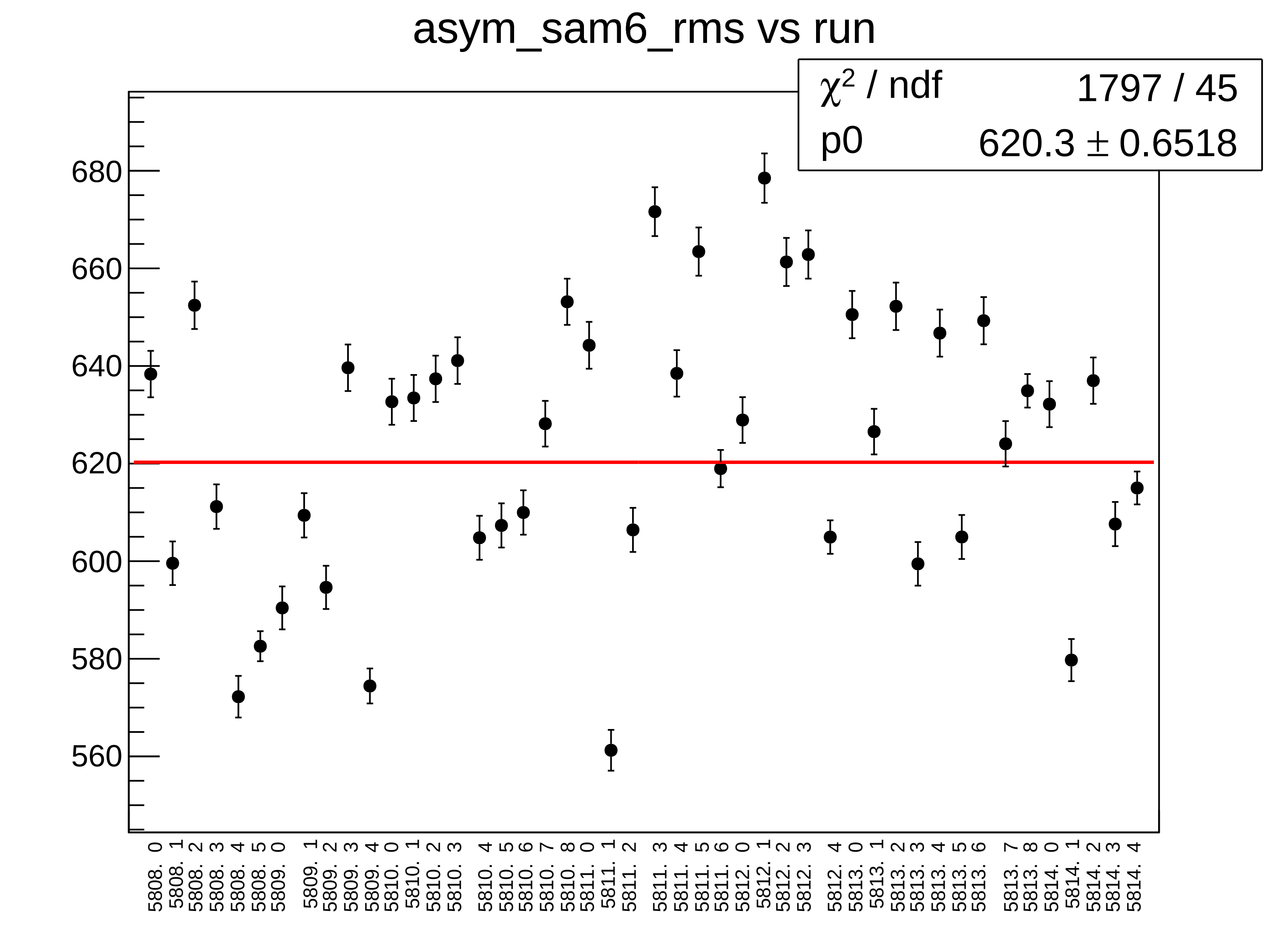


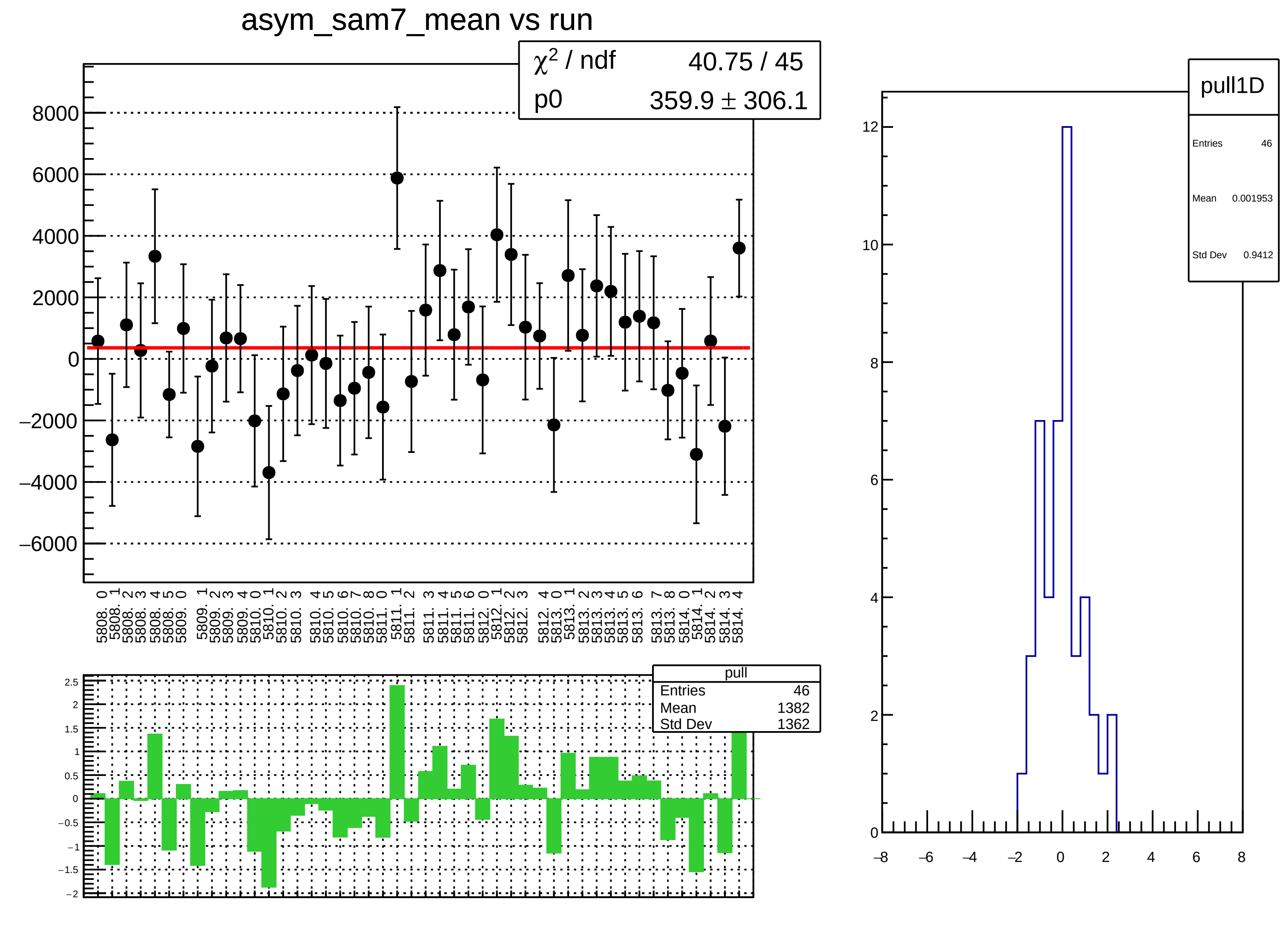


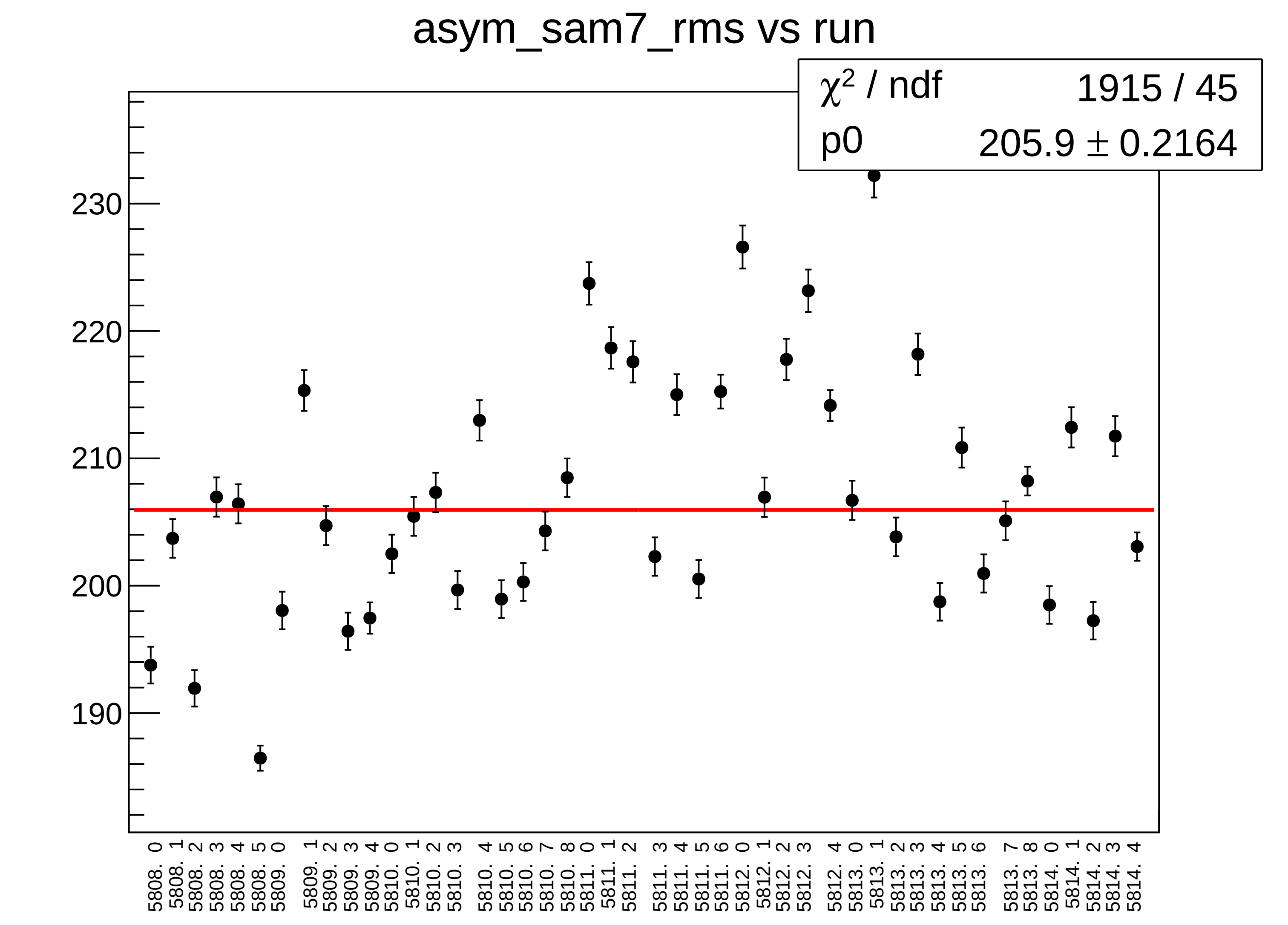

asym_sam5_rms vs run
χ2 / ndf 6462 / 45
p0 745.5 ± 0.7855
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam6_mean vs run
χ^2 / ndf 46.38 / 45
p0 −1839 ± 921.8
pull
Entries 46
Mean 480.6
Std Dev 457.8

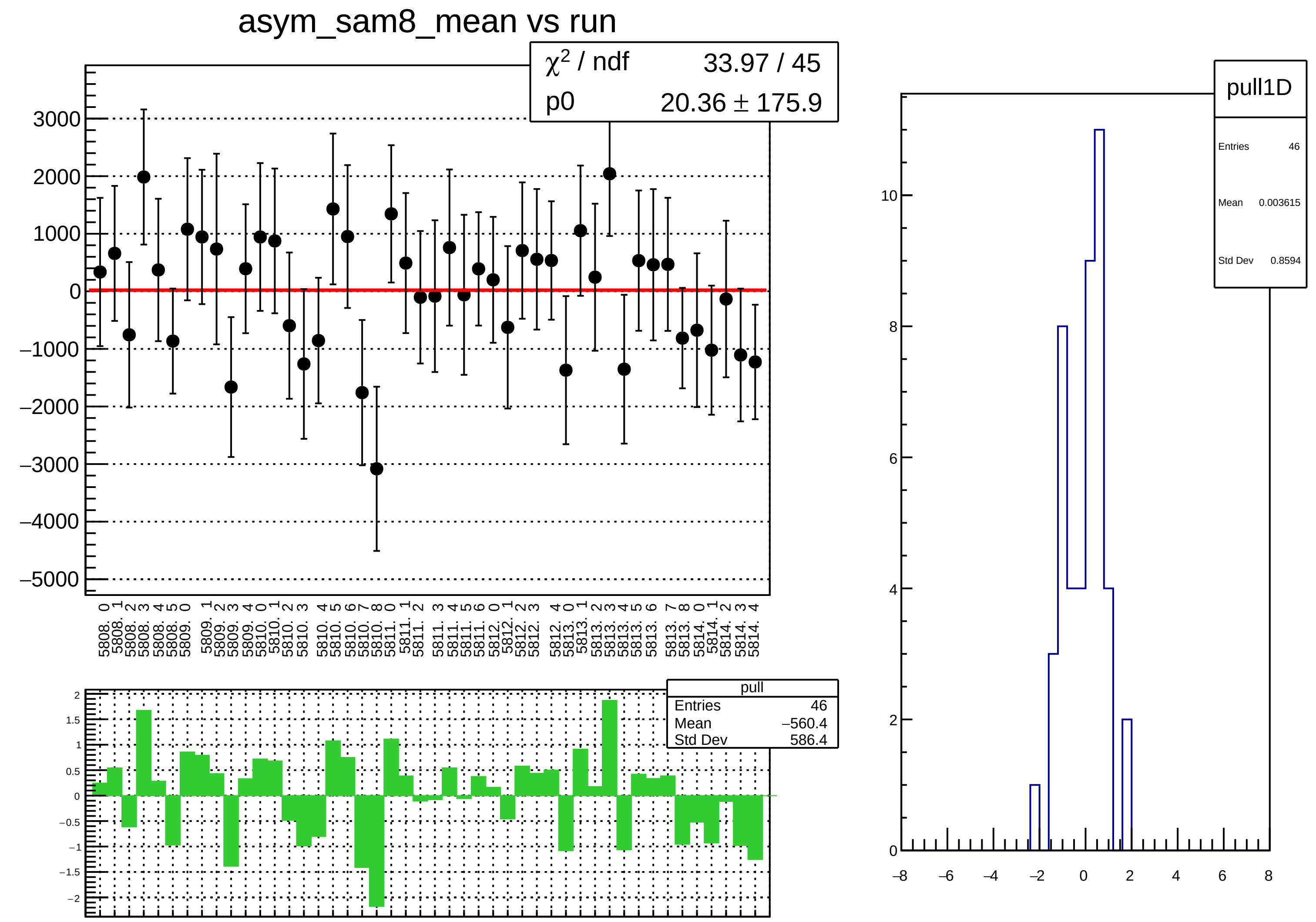

pull1D
Entries 46
Mean −0.01179
Std Dev 1.004


asym_sam6_rms vs run
χ2 / ndf 1797 / 45
p0 620.3 ± 0.6518
680
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

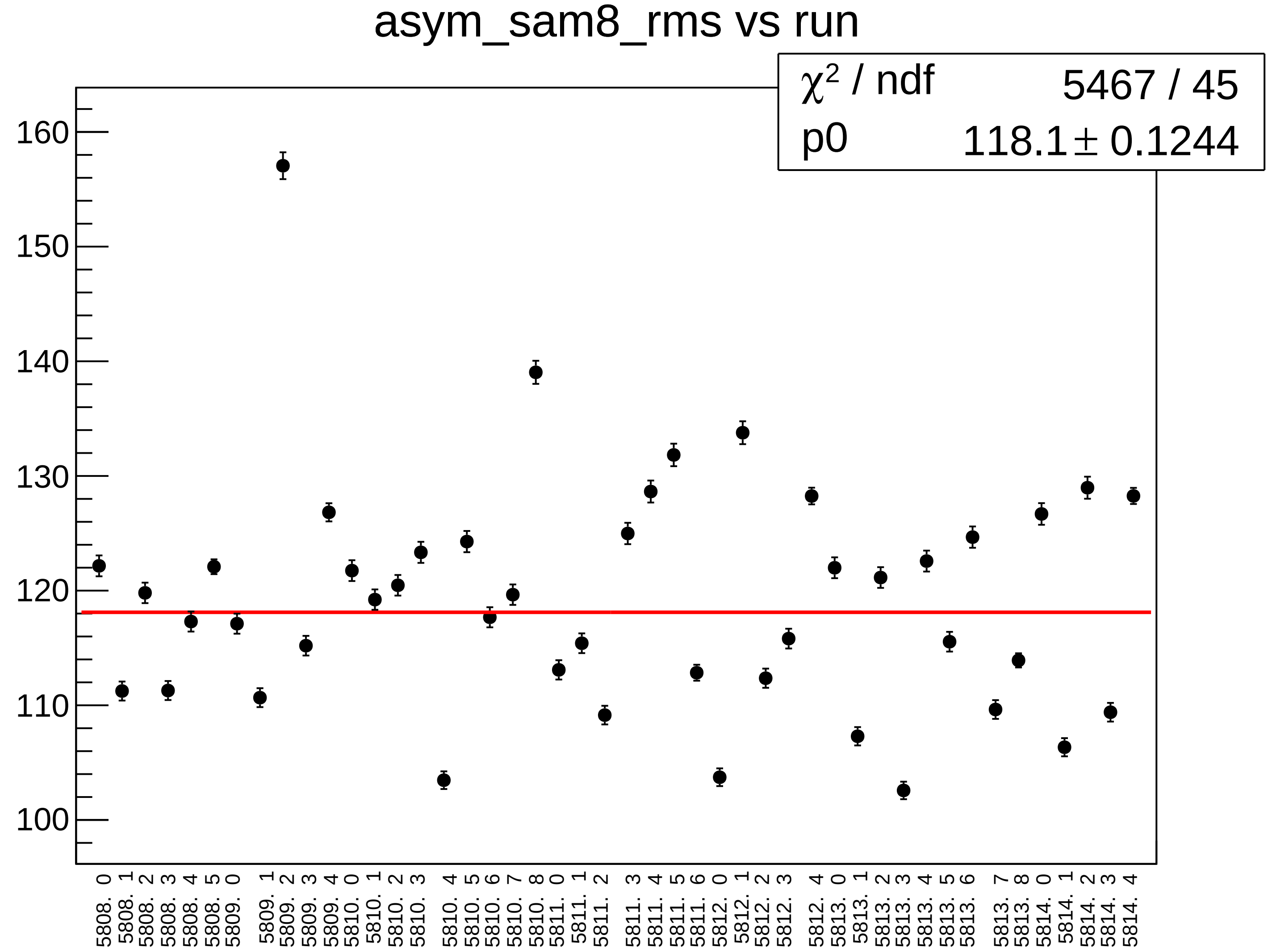

asym_sam7_mean vs run
χ^2 / ndf 40.75 / 45
p0 359.9 ± 306.1
pull
Entries 46
Mean 1382
Std Dev 1362
pull1D
Entries 46
Mean 0.001953
Std Dev 0.9412

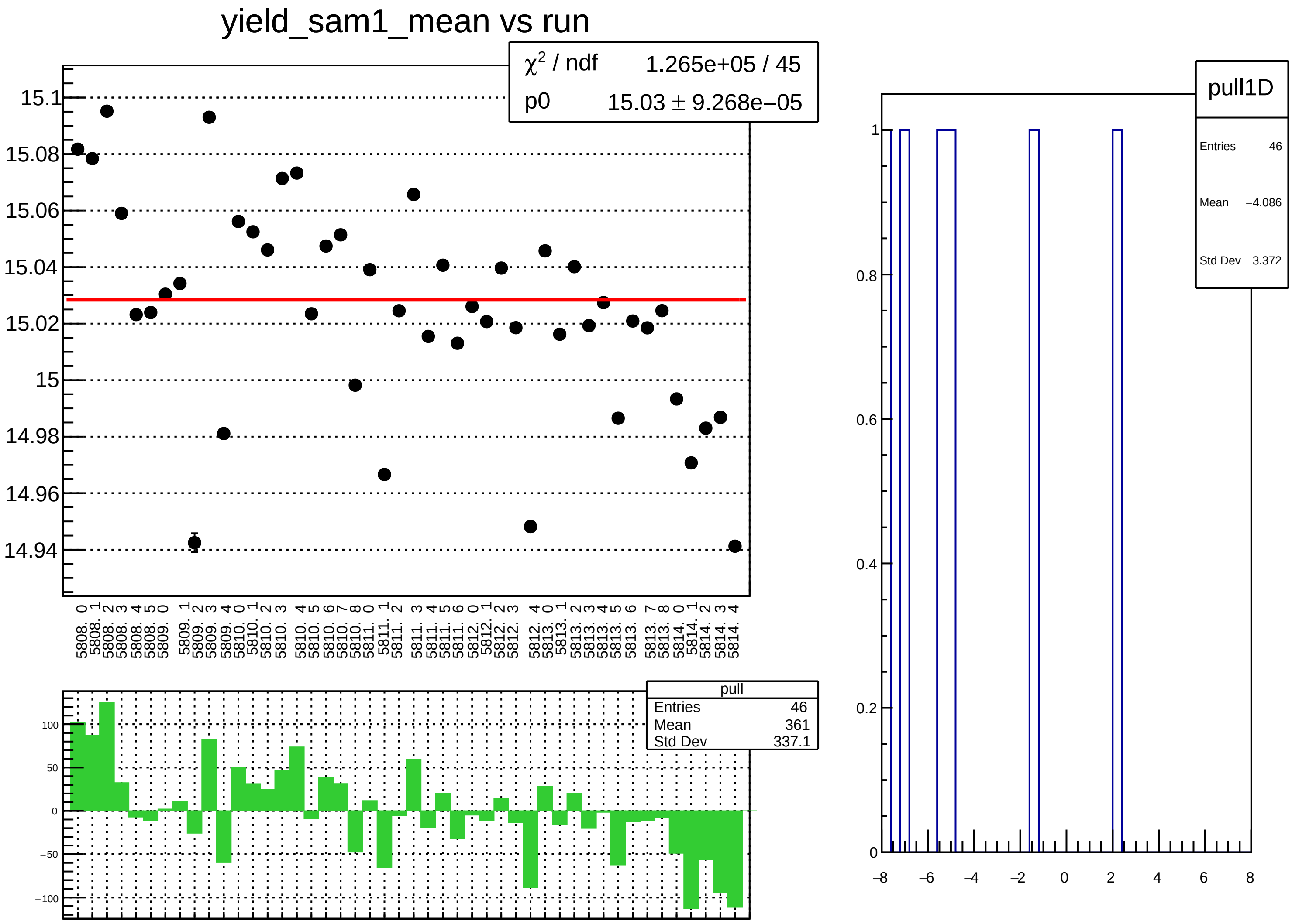


asym_sam7_rms vs run
χ^2 / ndf 1915 / 45
p0 205.9 ± 0.2164
230
220
210
200
190
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

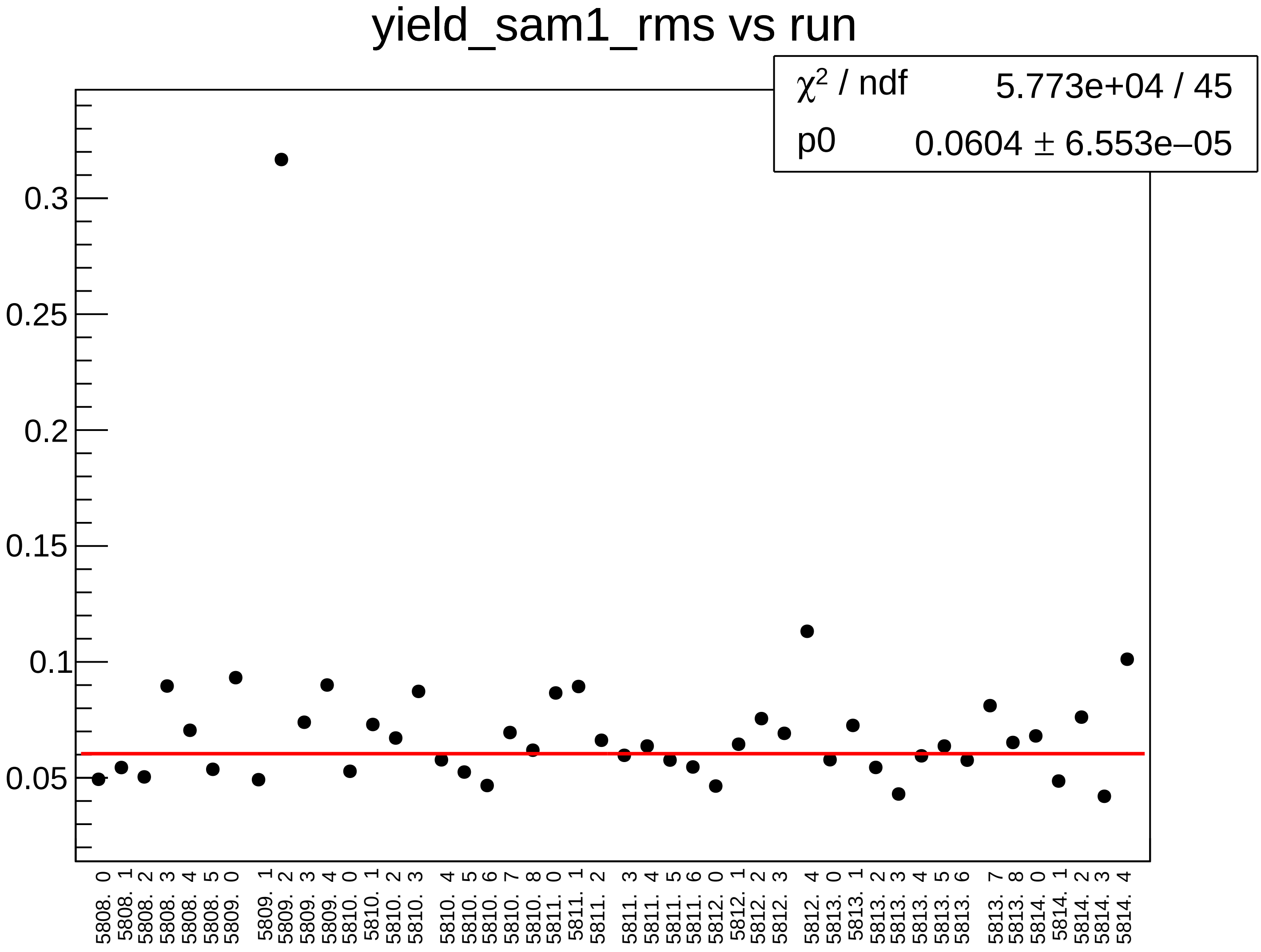


asym_sam8_mean vs run
χ^2 / ndf 33.97 / 45
p0 20.36 ± 175.9
pull
Entries 46
Mean −560.4
Std Dev 586.4
pull1D
Entries 46
Mean 0.003615
Std Dev 0.8594

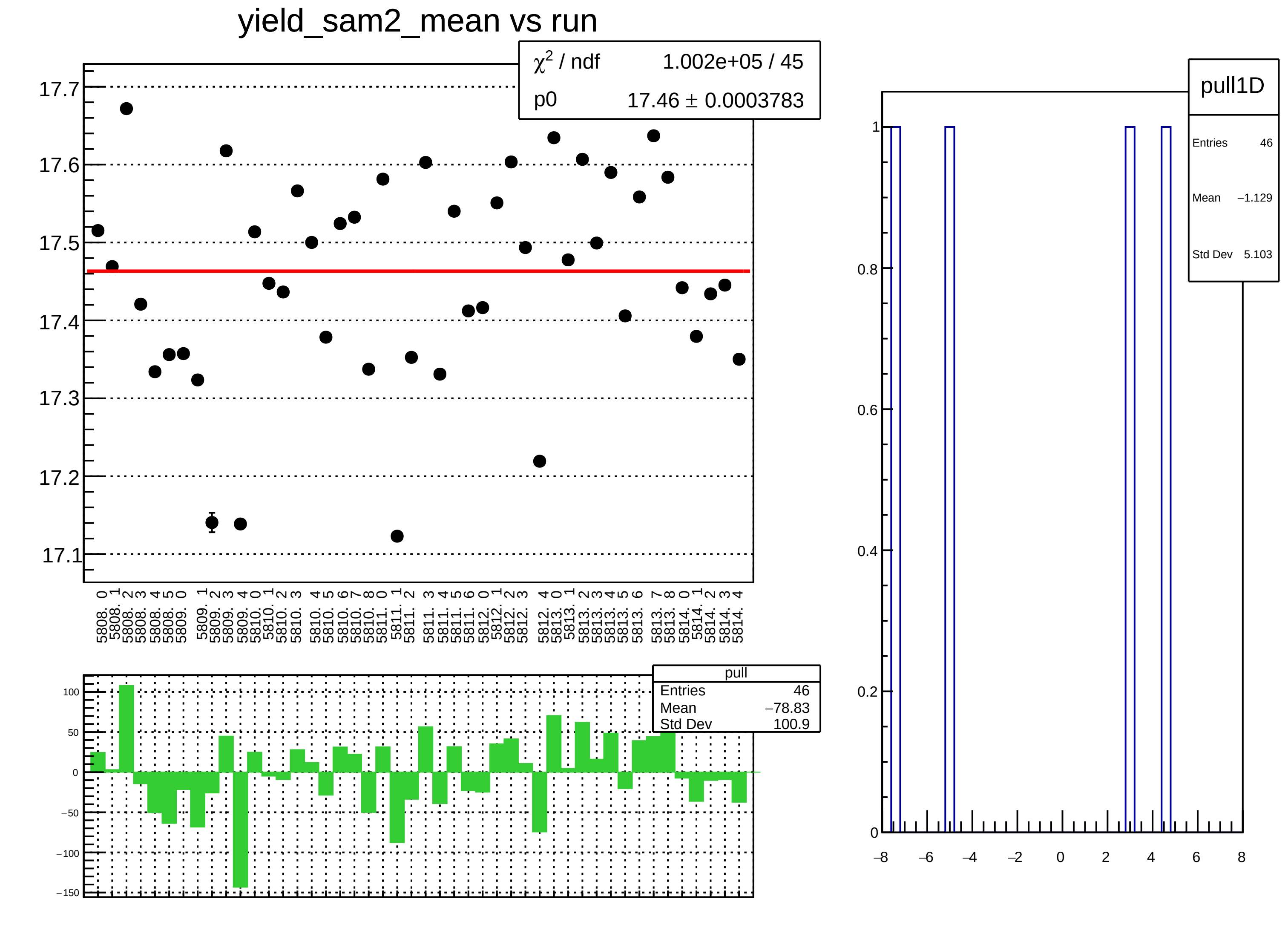

asym_sam8_rms vs run
χ2 / ndf 5467 / 45
p0 118.1 ± 0.1244
100
110
120
130
140
150
160

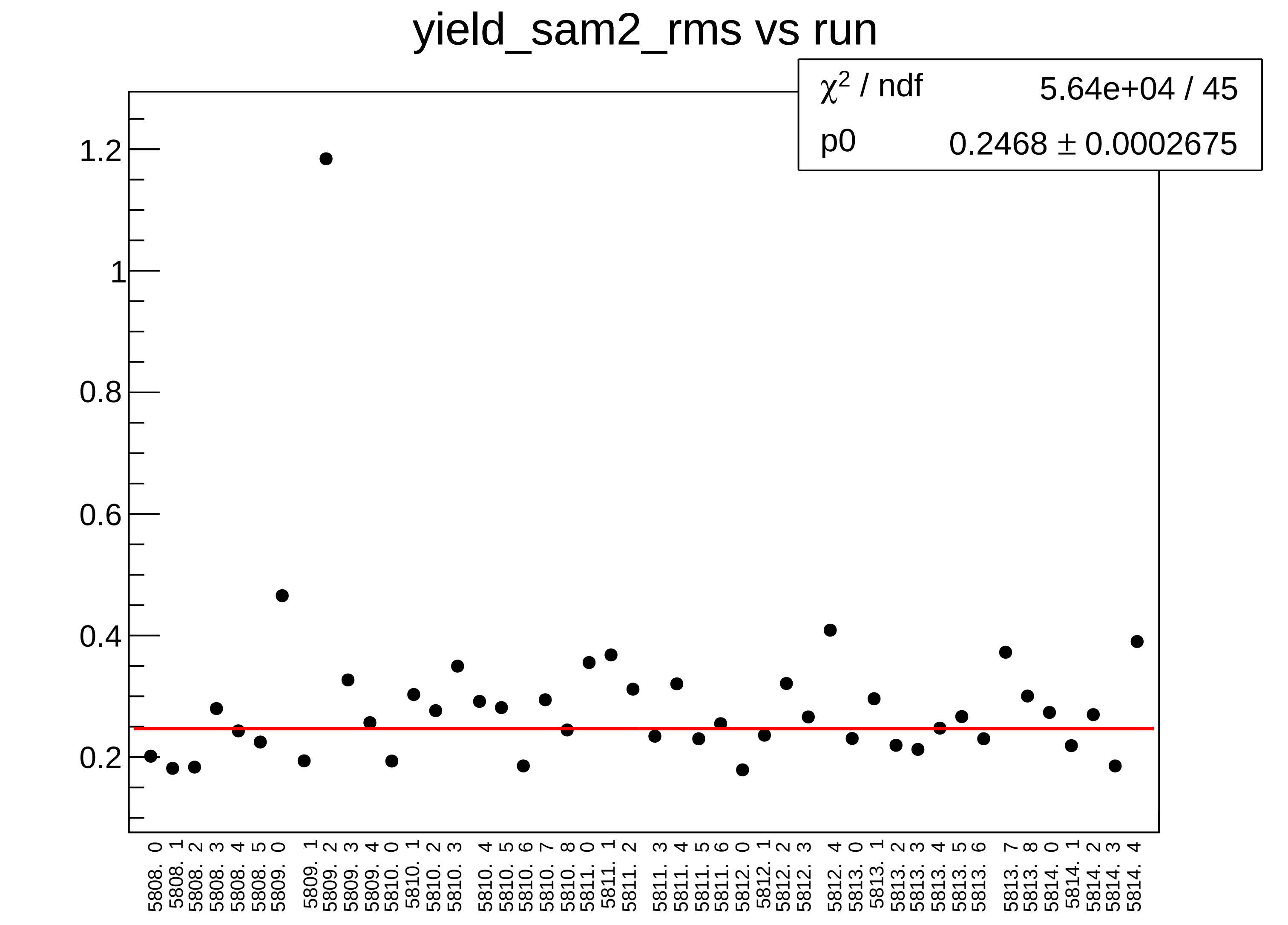


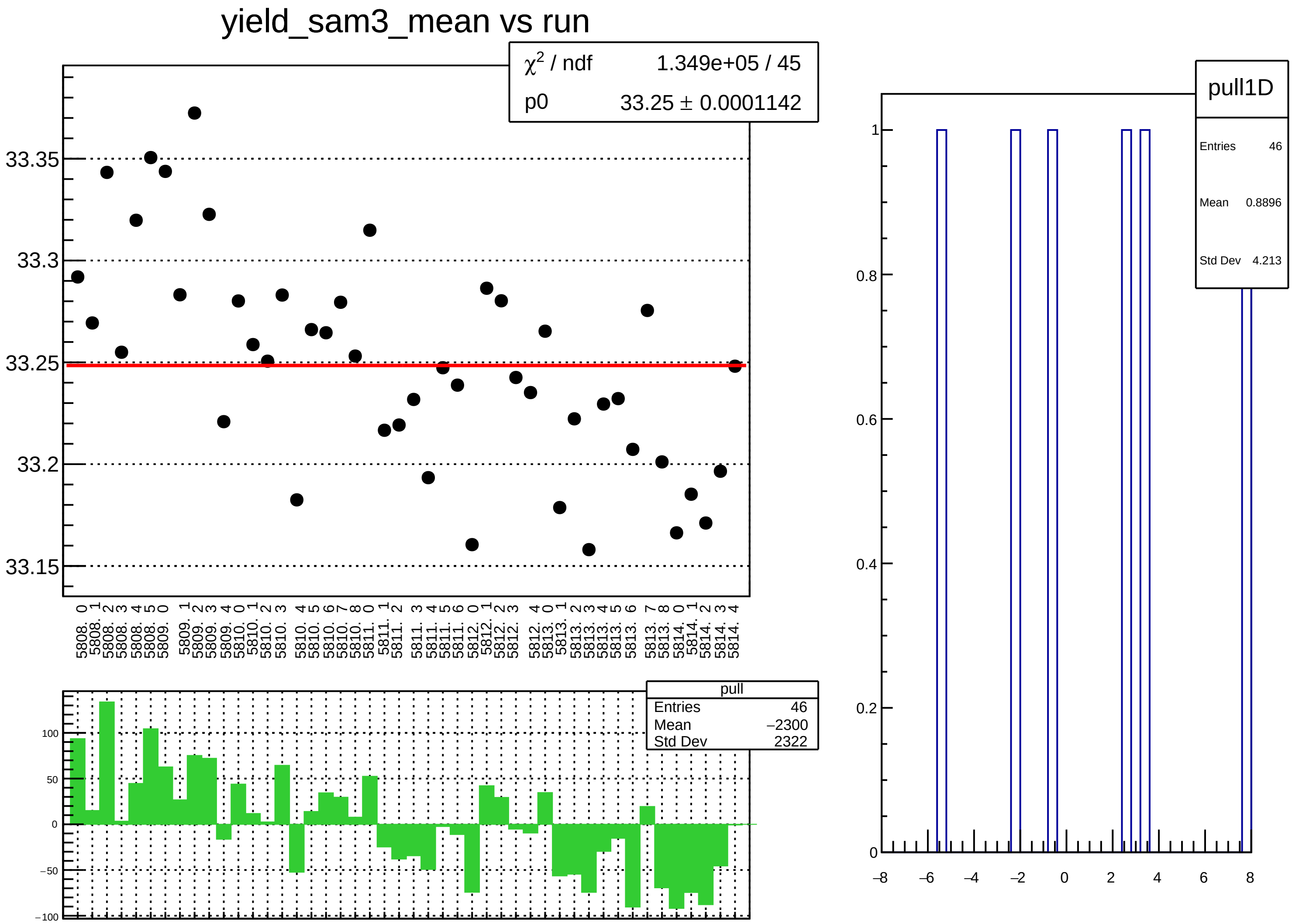
yield_sam1_mean vs run
χ^2 / ndf 1.265e+05 / 45
p0 15.03 ± 9.268e−05
pull
Entries 46
Mean 361
Std Dev 337.1
pull1D
Entries 46
Mean −4.086
Std Dev 3.372

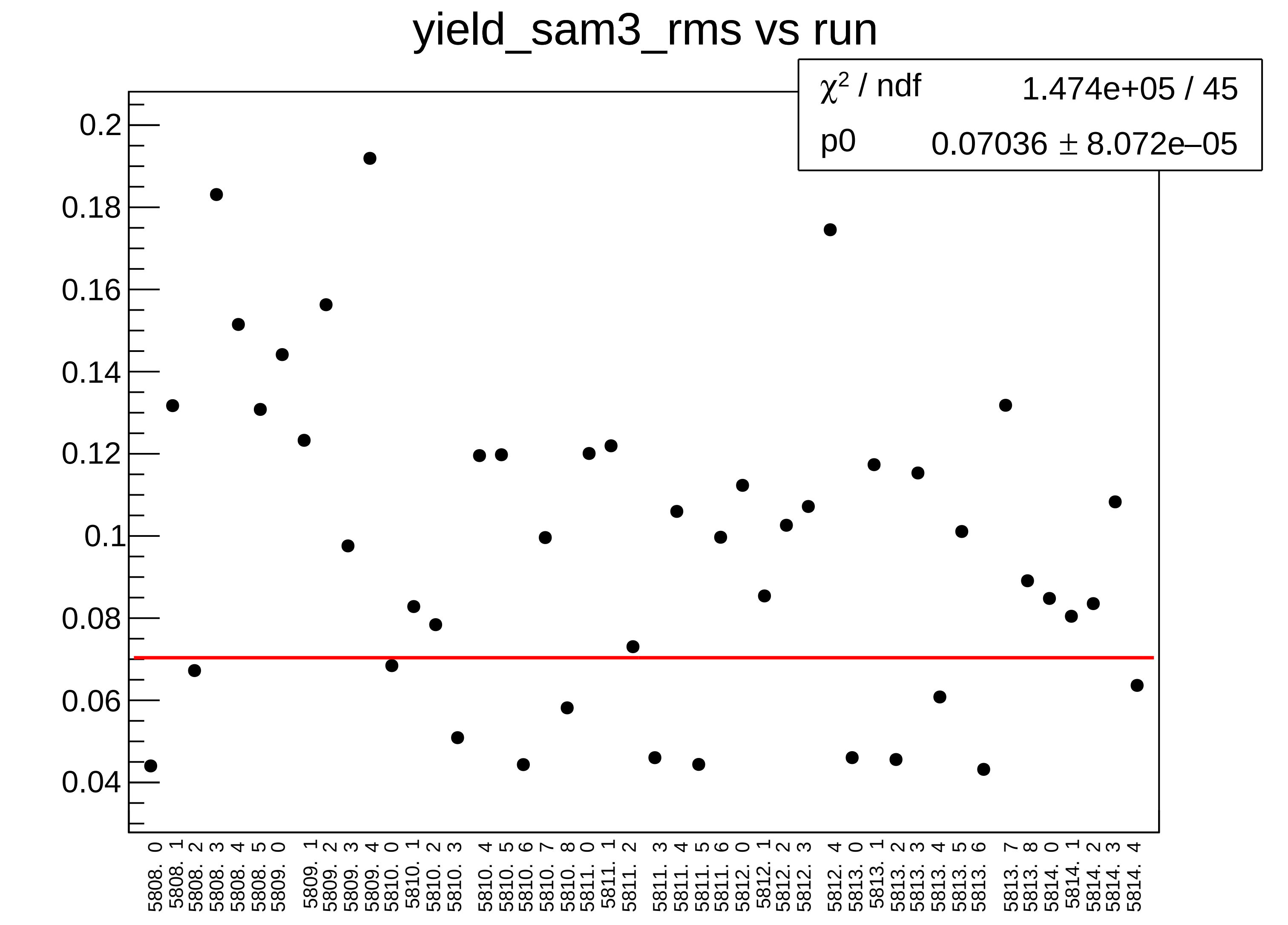


yield_sam1_rms vs run
χ2 / ndf 5.773e+04 / 45
p0 0.0604 ± 6.553e−05
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

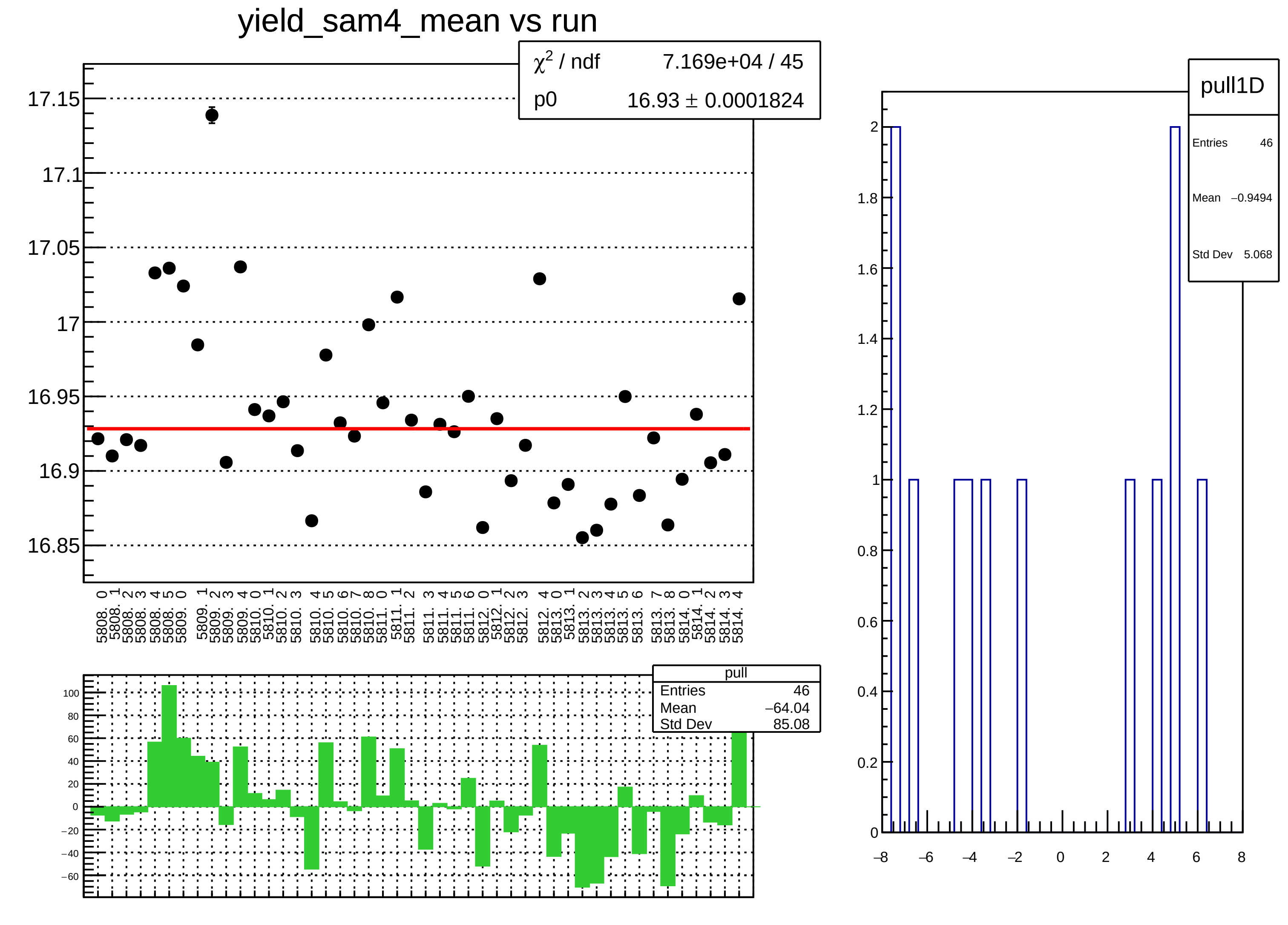

yield_sam2_mean vs run
χ^2 / ndf 1.002e+05 / 45
p0 17.46 ± 0.0003783
pull
Entries 46
Mean −78.83
Std Dev 100.9
pull1D
Entries 46
Mean −1.129
Std Dev 5.103


yield_sam2_rms vs run
χ^2 / ndf 5.64e+04 / 45
p0 0.2468 ± 0.0002675
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

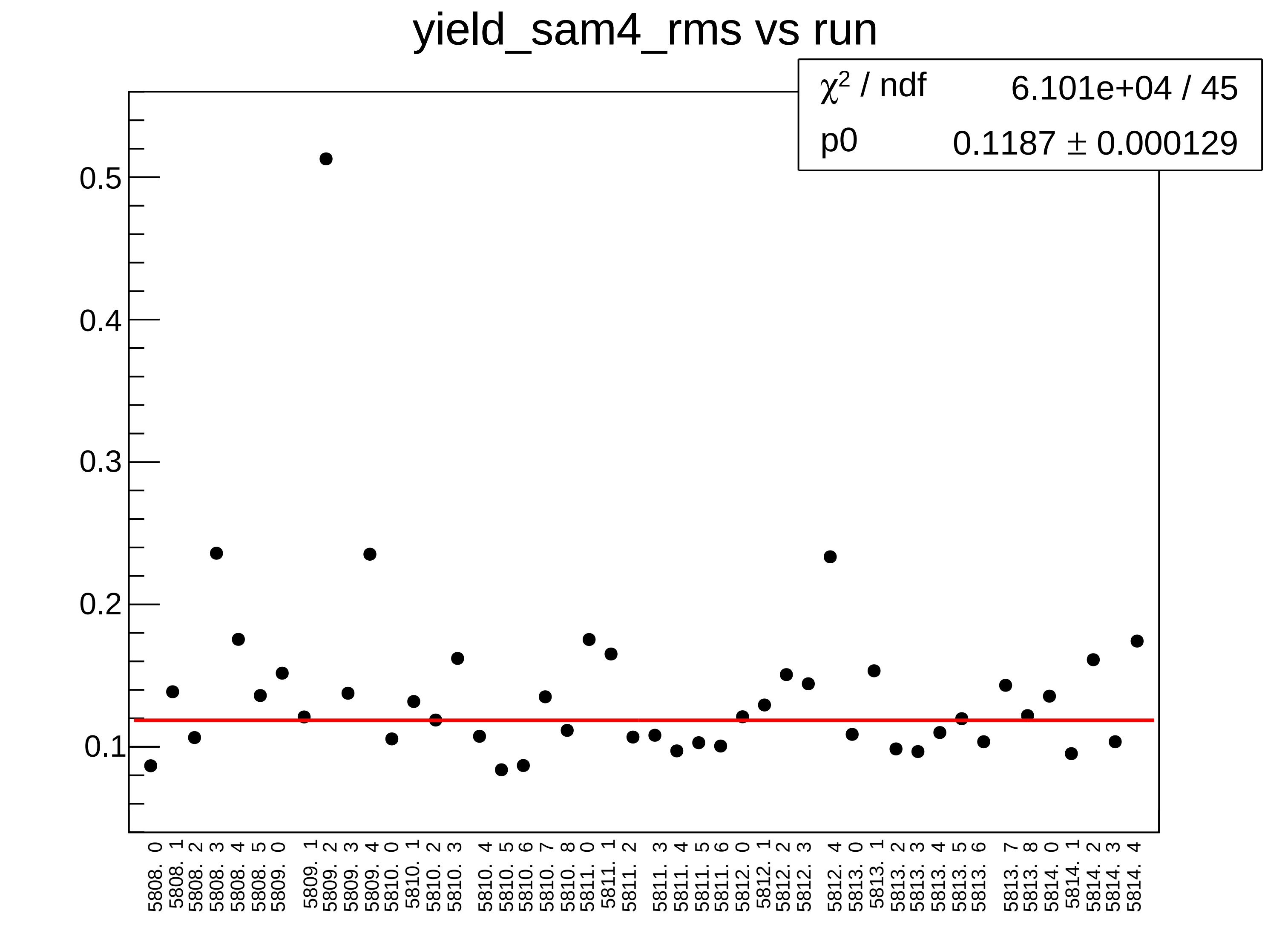

yield_sam3_mean vs run
χ^2 / ndf 1.349e+05 / 45
p0 33.25 ± 0.0001142
pull
Entries 46
Mean −2300
Std Dev 2322
pull1D
Entries 46
Mean 0.8896
Std Dev 4.213

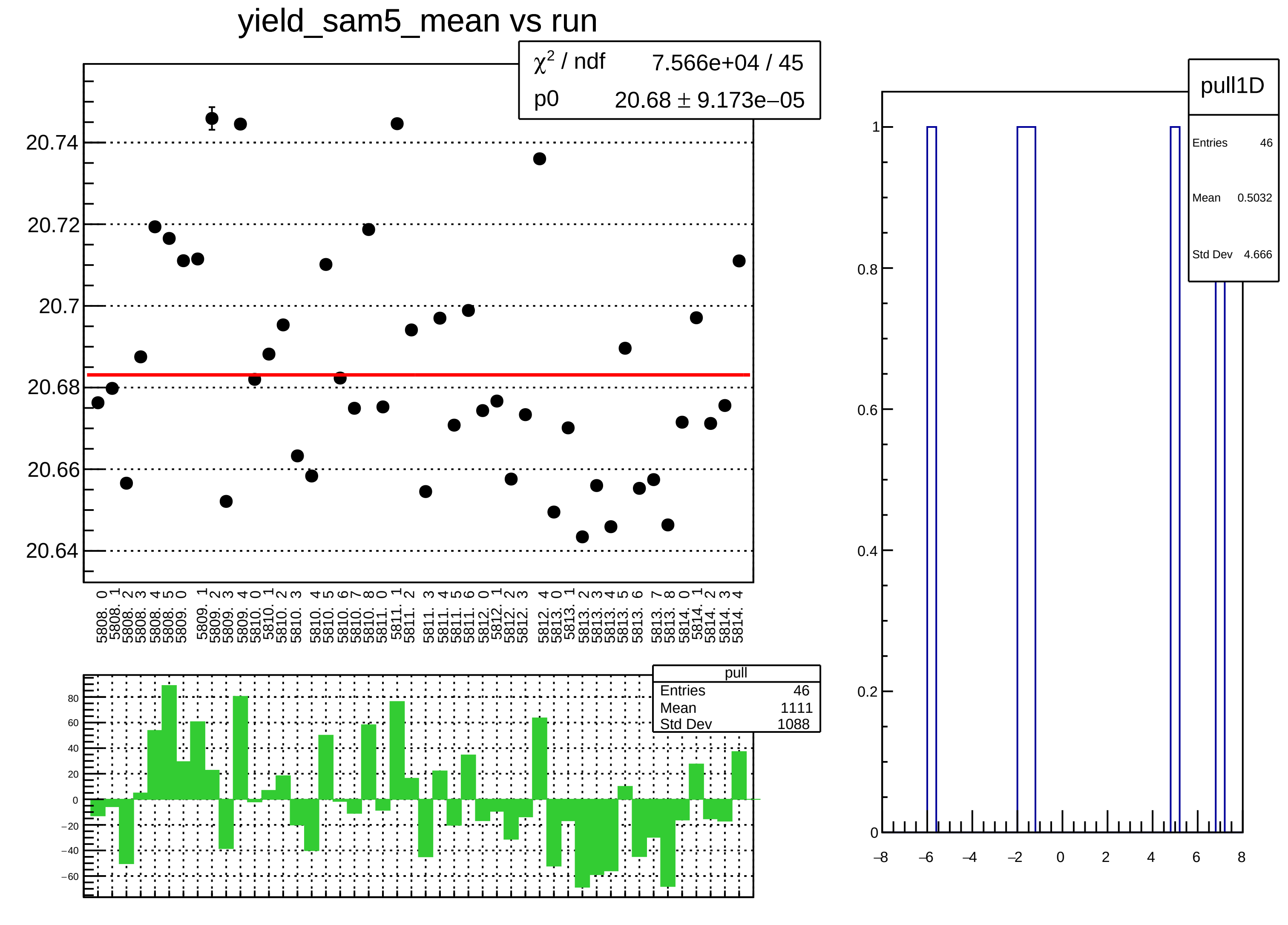


yield_sam3_rms vs run
χ2 / ndf 1.474e+05 / 45
p0 0.07036 ± 8.072e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

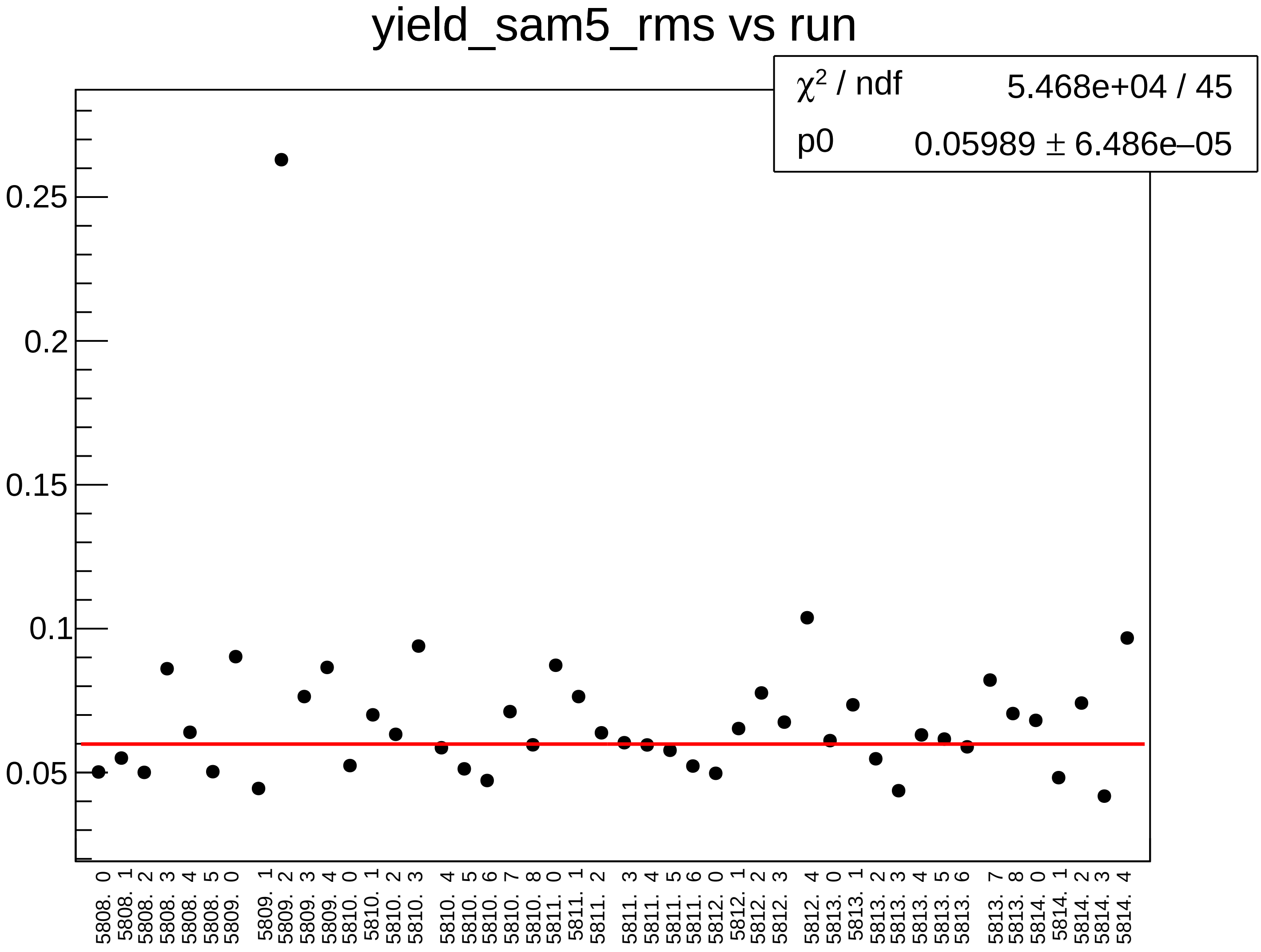


yield_sam4_mean vs run
χ2 / ndf 7.169e+04 / 45
p0 16.93 ± 0.0001824
pull
Entries 46
Mean −64.04
Std Dev 85.08
pull1D
Entries 46
Mean −0.9494
Std Dev 5.068

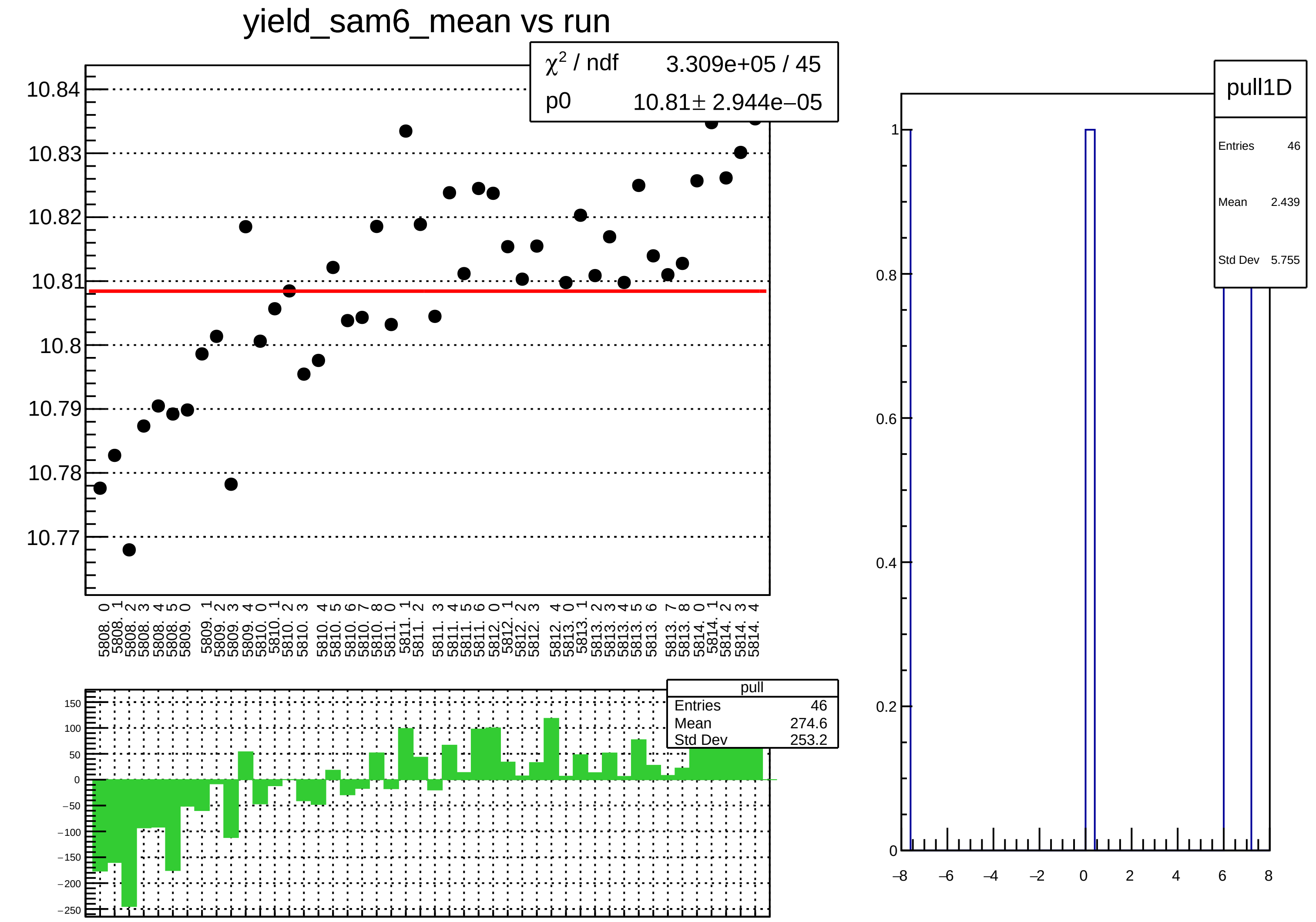

yield_sam4_rms vs run
χ^2 / ndf 6.101e+04 / 45
p0 0.1187 ± 0.000129
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



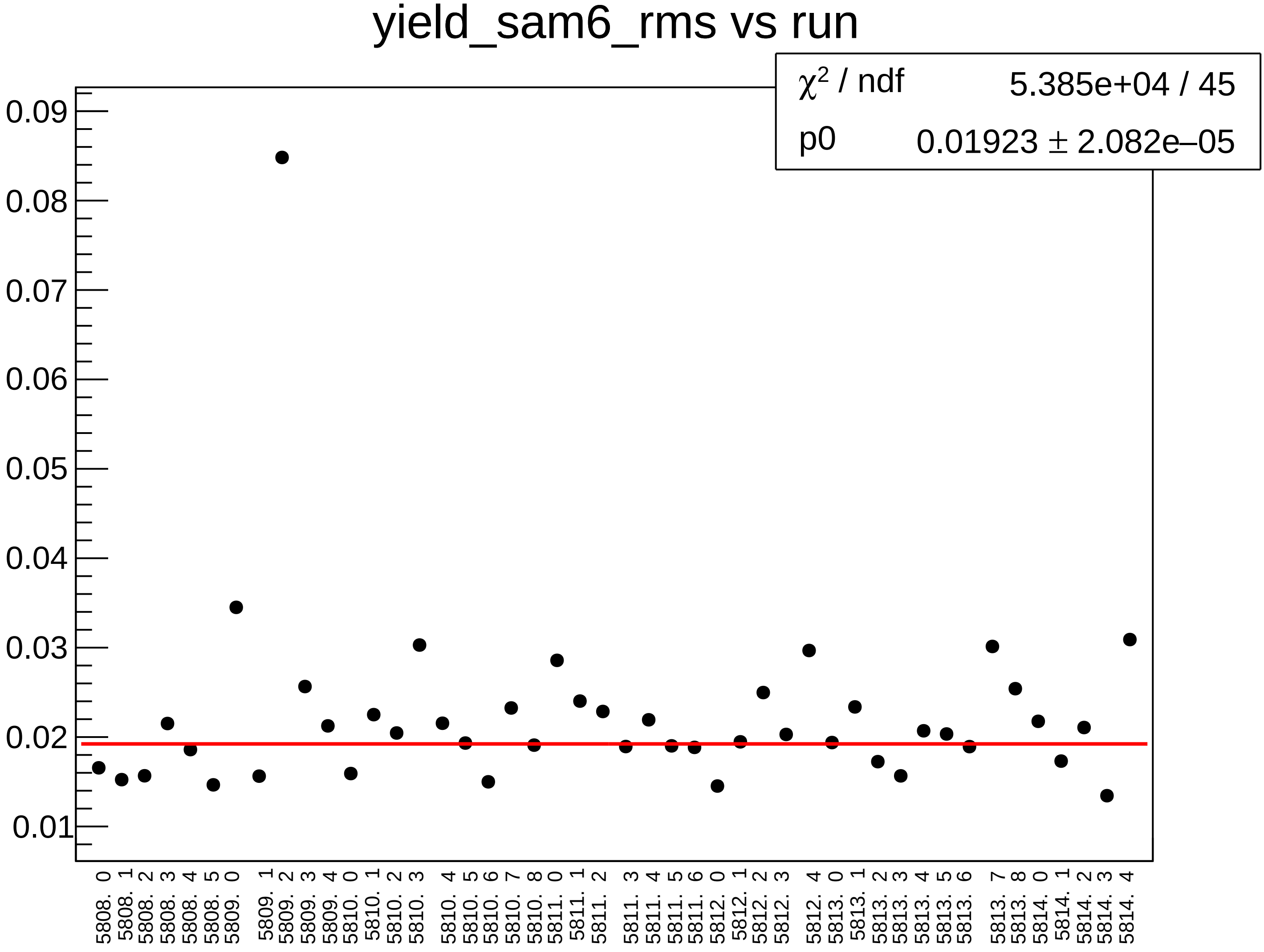
yield_sam5_mean vs run
χ^2 / ndf 7.566e+04 / 45
p0 20.68 ± 9.173e−05
20.74
20.72
20.7
20.68
20.66
20.64
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 1111
Std Dev 1088
pull1D
Entries 46
Mean 0.5032
Std Dev 4.666



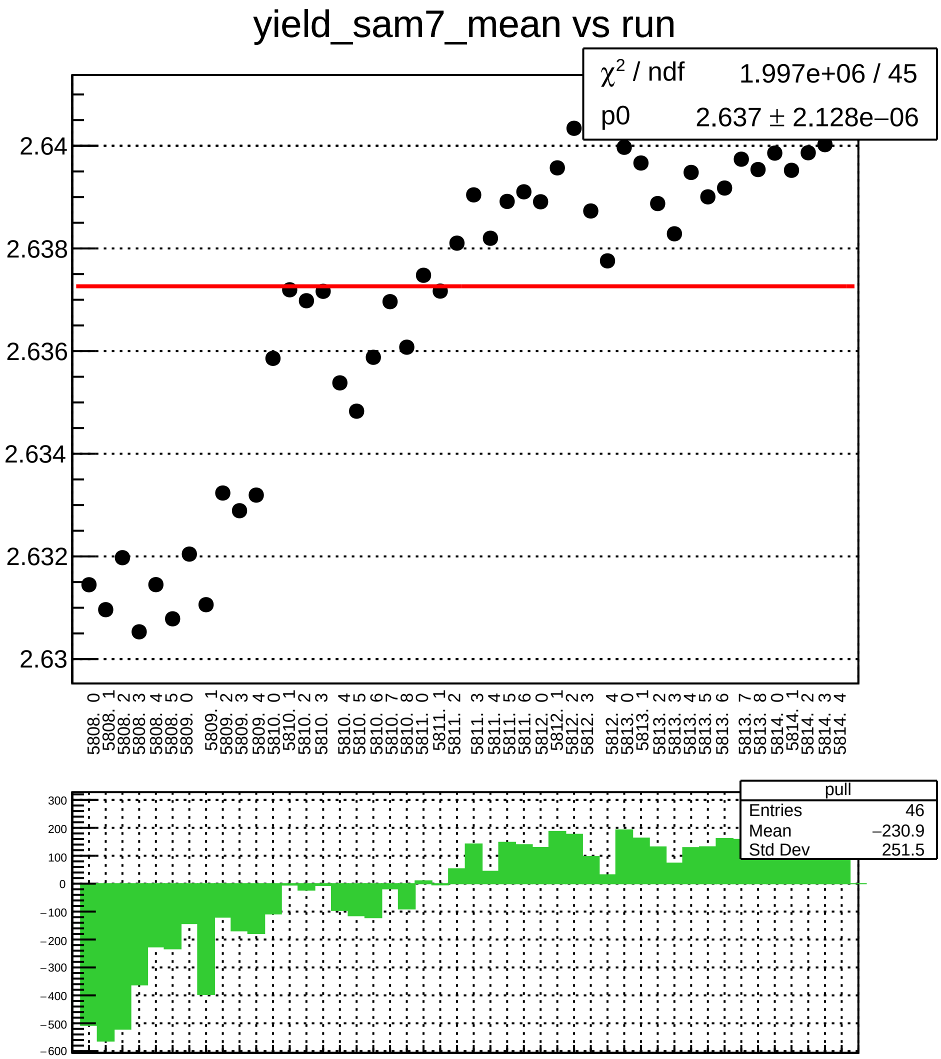
yield_sam5_rms vs run
χ^2 / ndf 5.468e+04 / 45
p0 0.05989 ± 6.486e−05
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



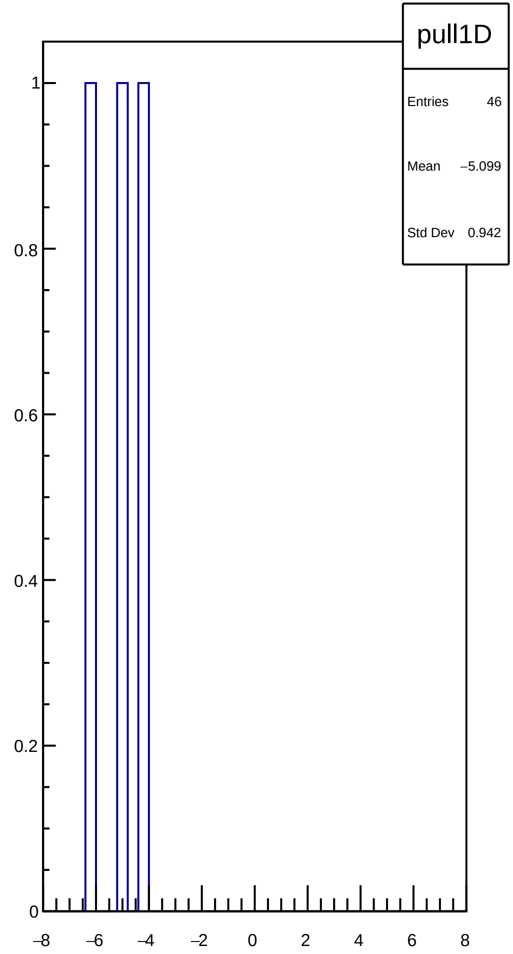
yield_sam6_mean vs run
χ^2 / ndf 3.309e+05 / 45
p0 10.81± 2.944e−05
pull
Entries 46
Mean 274.6
Std Dev 253.2
pull1D
Entries 46
Mean 2.439
Std Dev 5.755



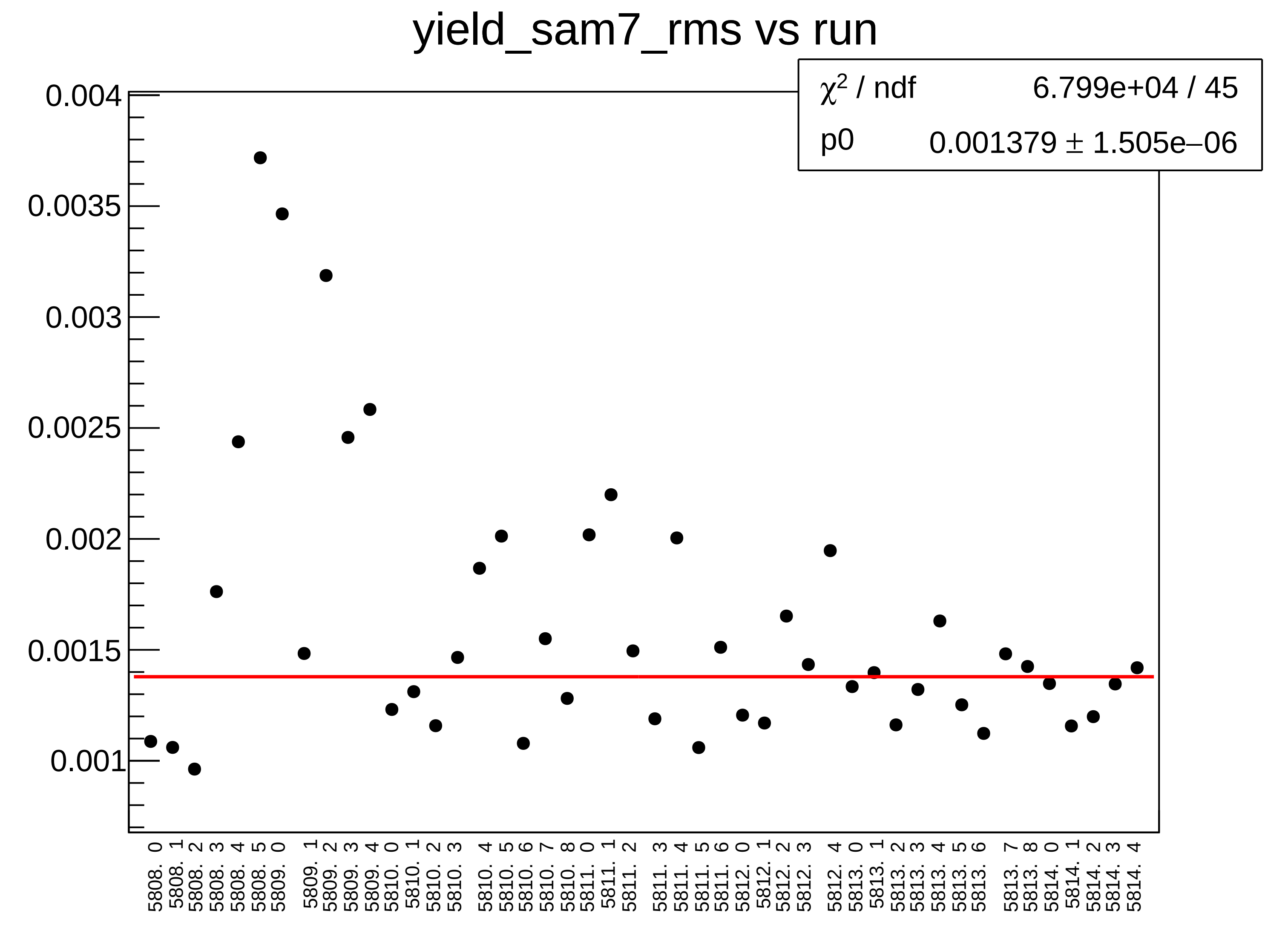
yield_sam6_rms vs run
χ^2 / ndf 5.385e+04 / 45
p0 0.01923 ± 2.082e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01



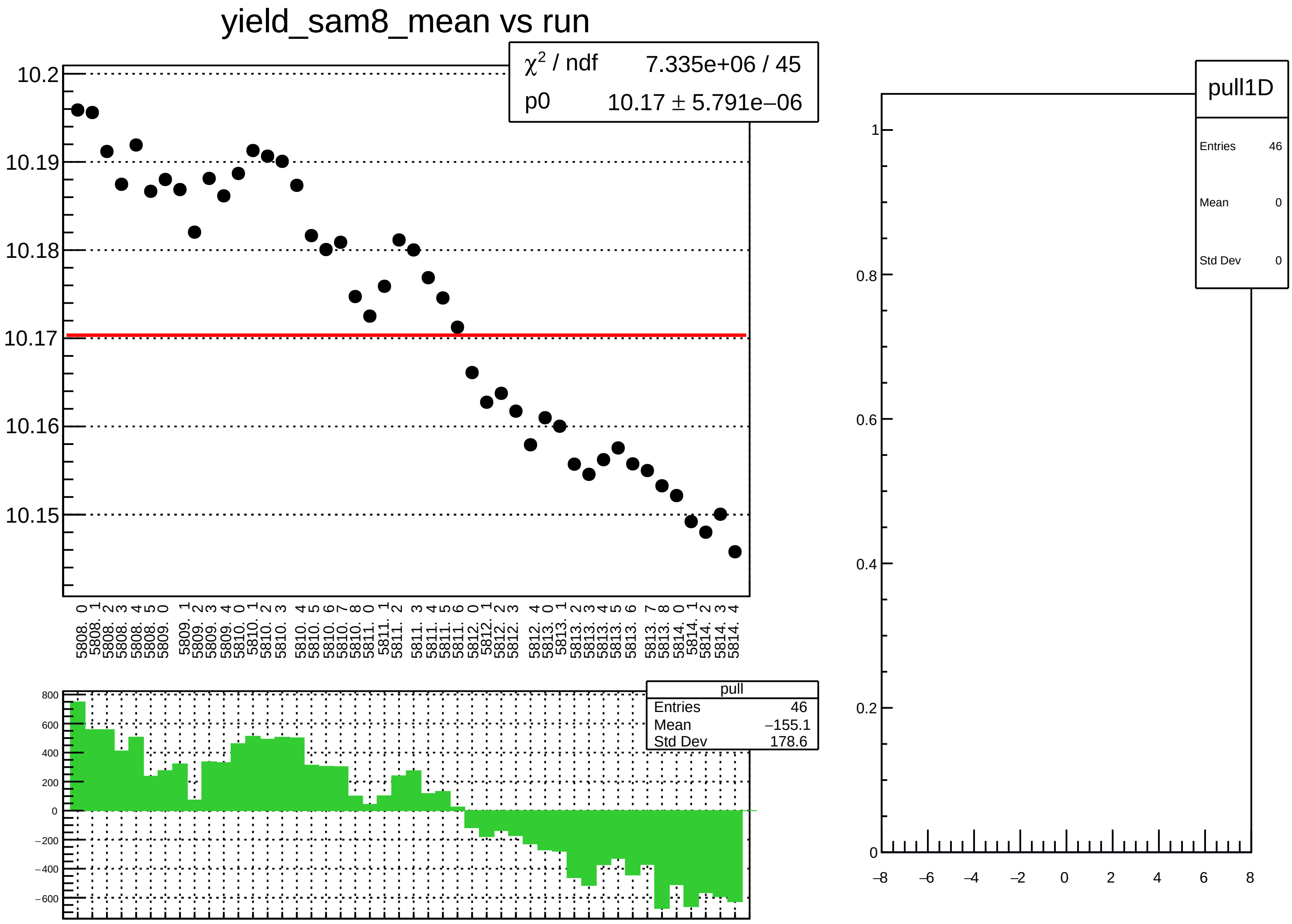
yield_sam7_mean vs run
χ^2 / ndf 1.997e+06 / 45
p0 2.637 ± 2.128e−06
pull
Entries 46
Mean −230.9
Std Dev 251.5



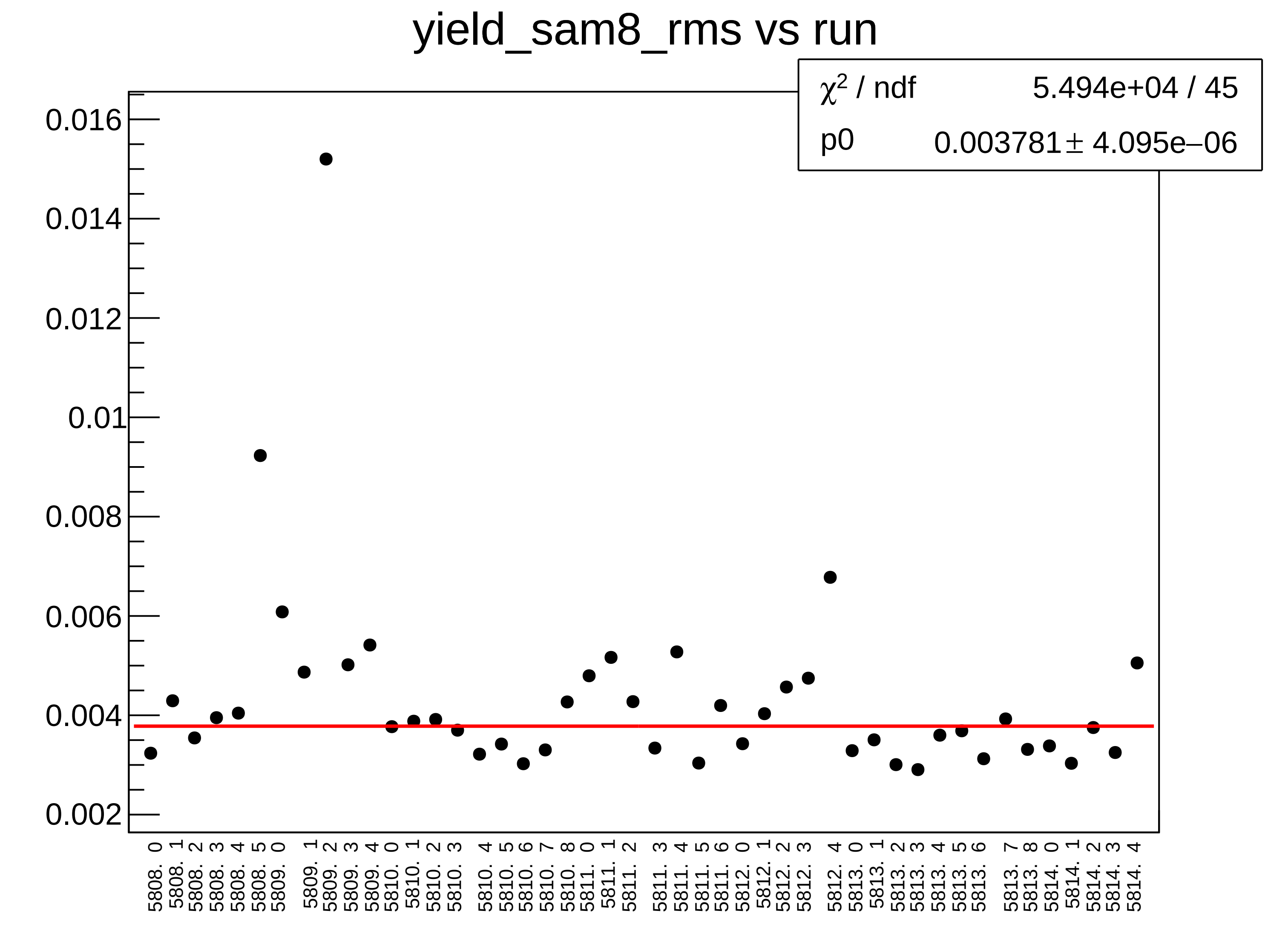
pull1D
Entries 46
Mean −5.099
Std Dev 0.942



yield_sam7_rms vs run
χ^2 / ndf 6.799e+04 / 45
p0 0.001379 ± 1.505e−06
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001



yield_sam8_mean vs run
χ2 / ndf 7.335e+06 / 45
p0 10.17 ± 5.791e−06
pull
Entries 46
Mean −155.1
Std Dev 178.6
pull1D
Entries 46
Mean 0
Std Dev 0


yield_sam8_rms vs run
χ^2 / ndf 5.494e+04 / 45
p0 0.003781 ± 4.095e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
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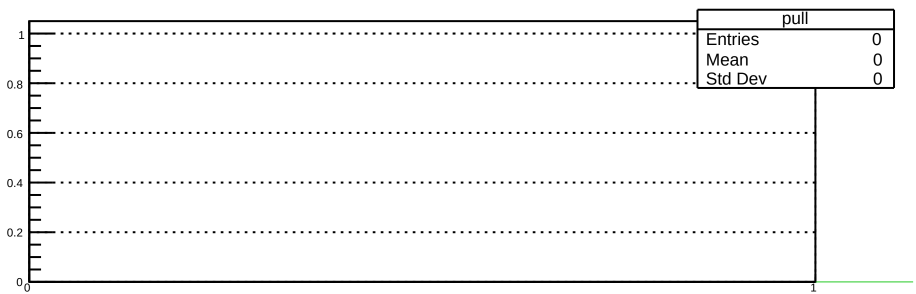
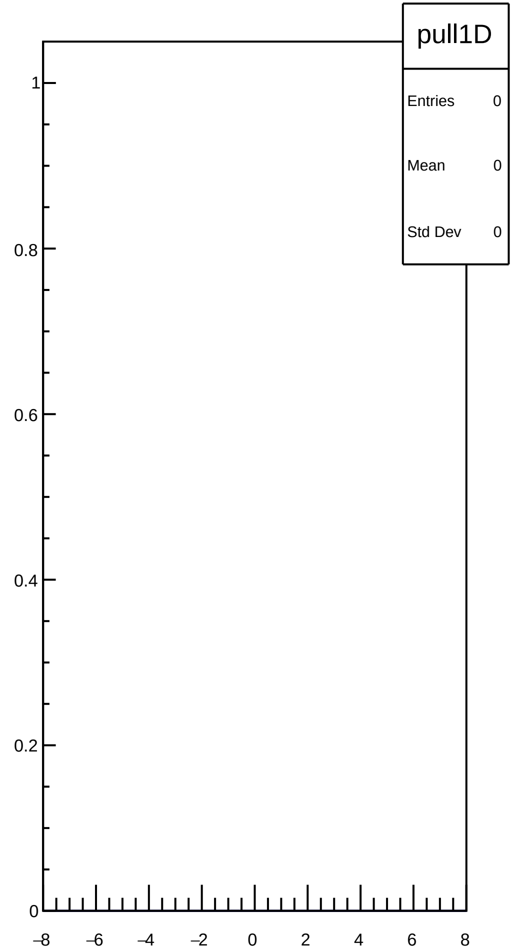
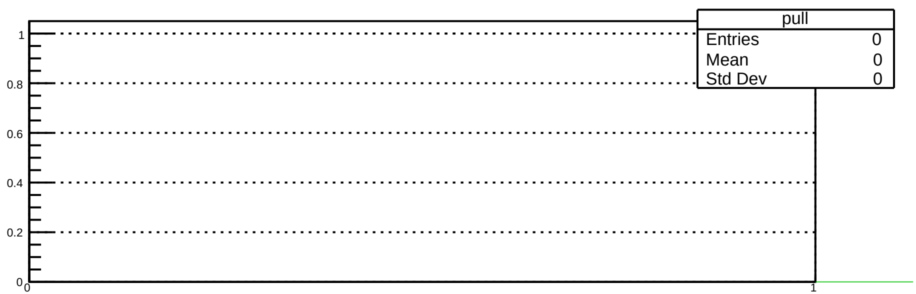
5814. 4

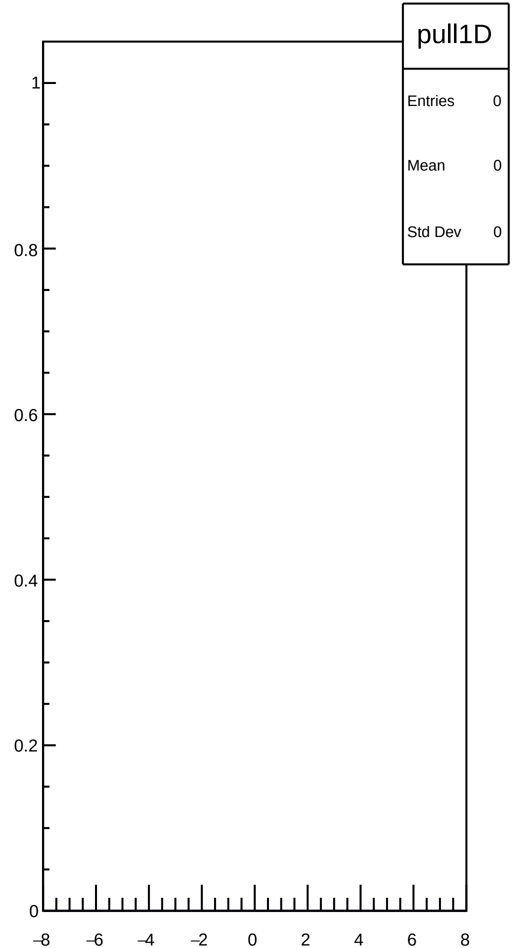


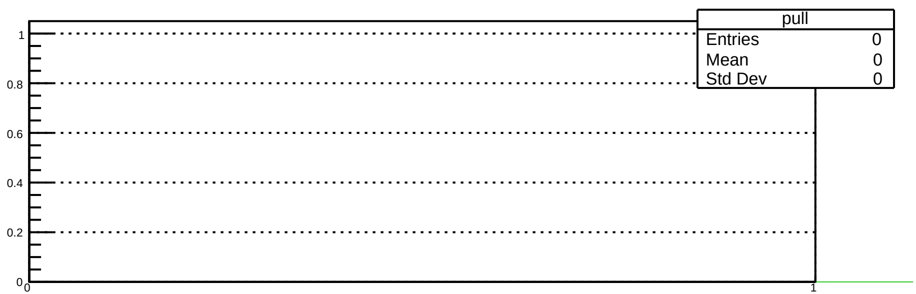
pull
Entries 0
Mean 0
Std Dev 0

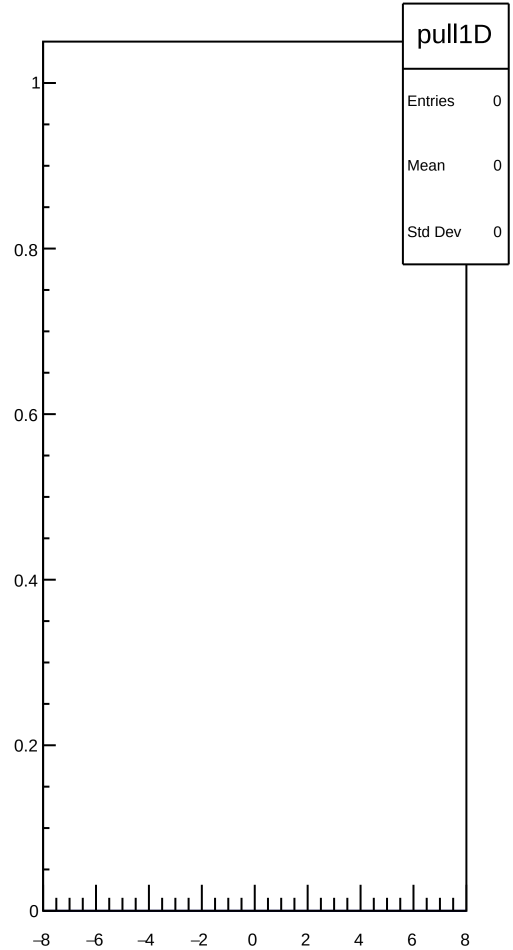


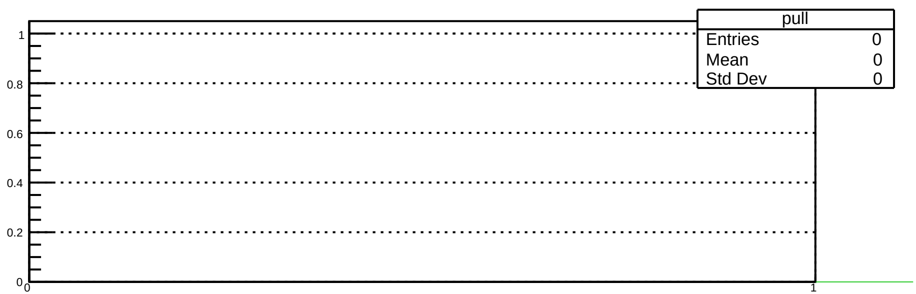
pull1D
Entries 0
Mean 0
Std Dev 0

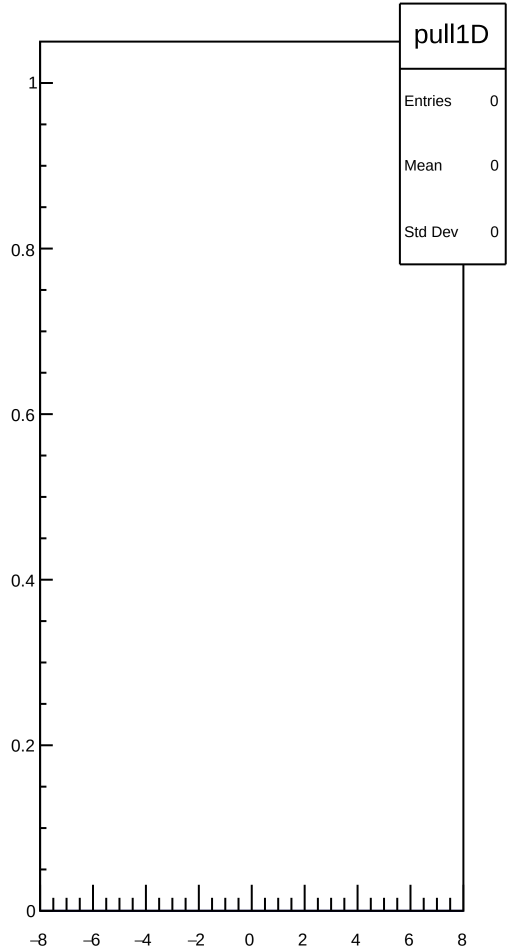

pull
Entries 0
Mean 0
Std Dev 0

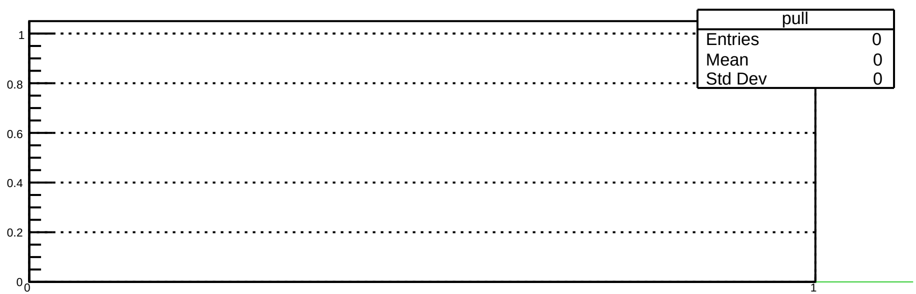

pull1D
Entries 0
Mean 0
Std Dev 0

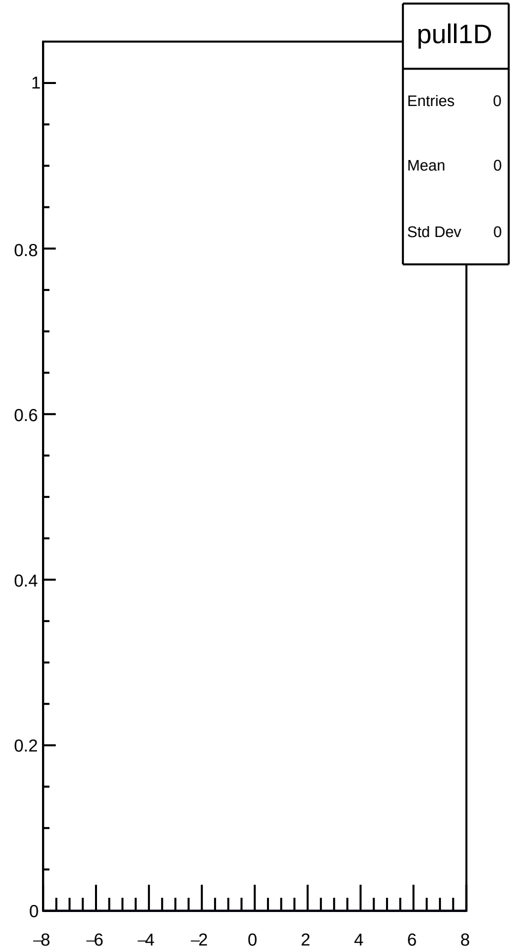

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

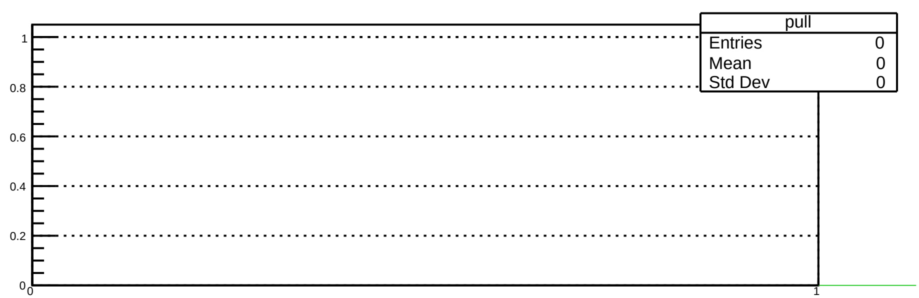

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


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

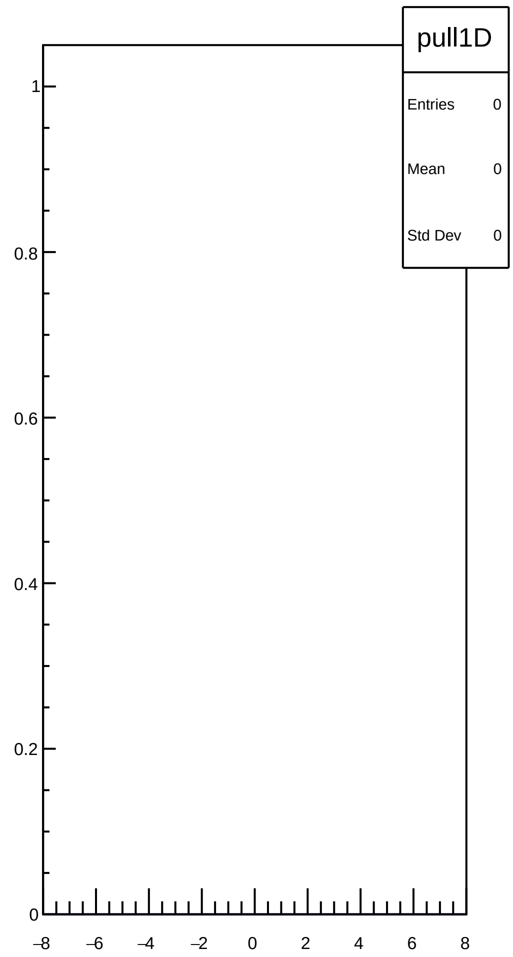

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0

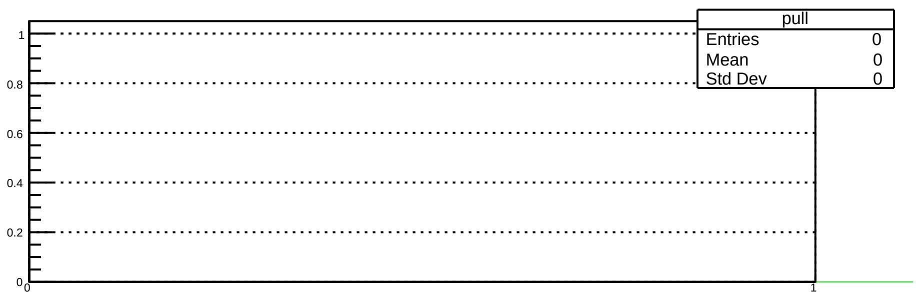

pull1D
Entries 0
Mean 0
Std Dev 0

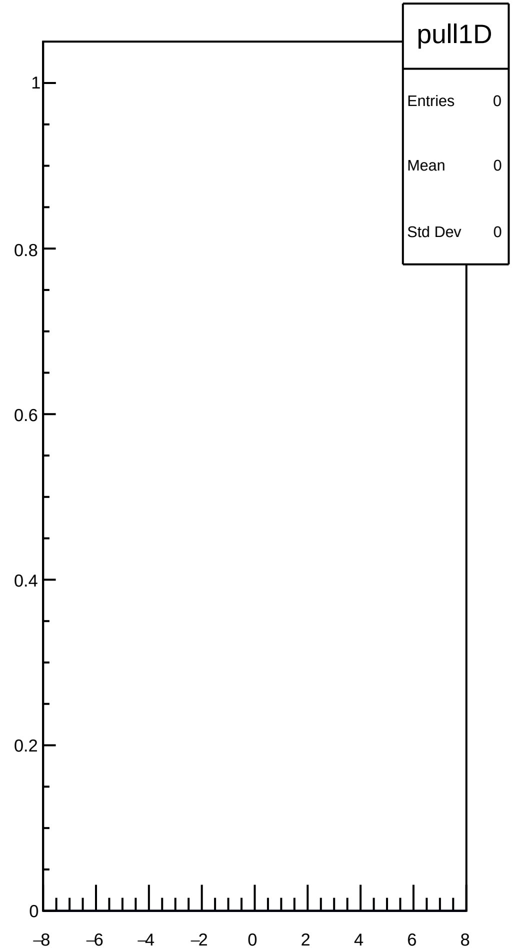


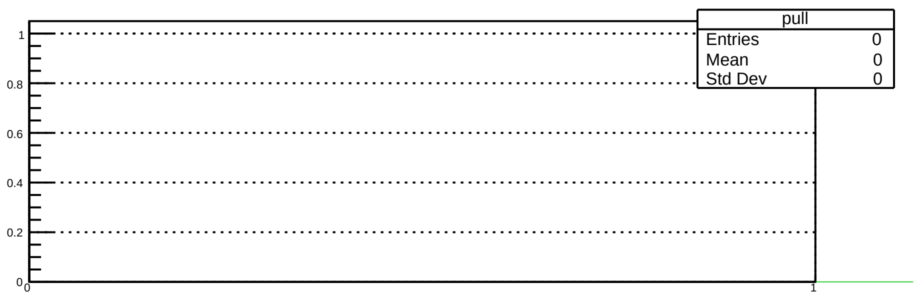
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1

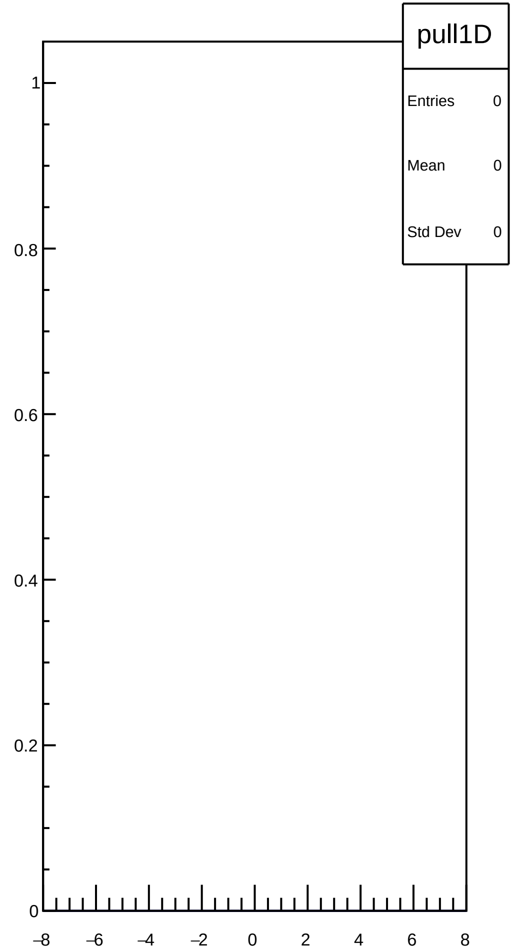


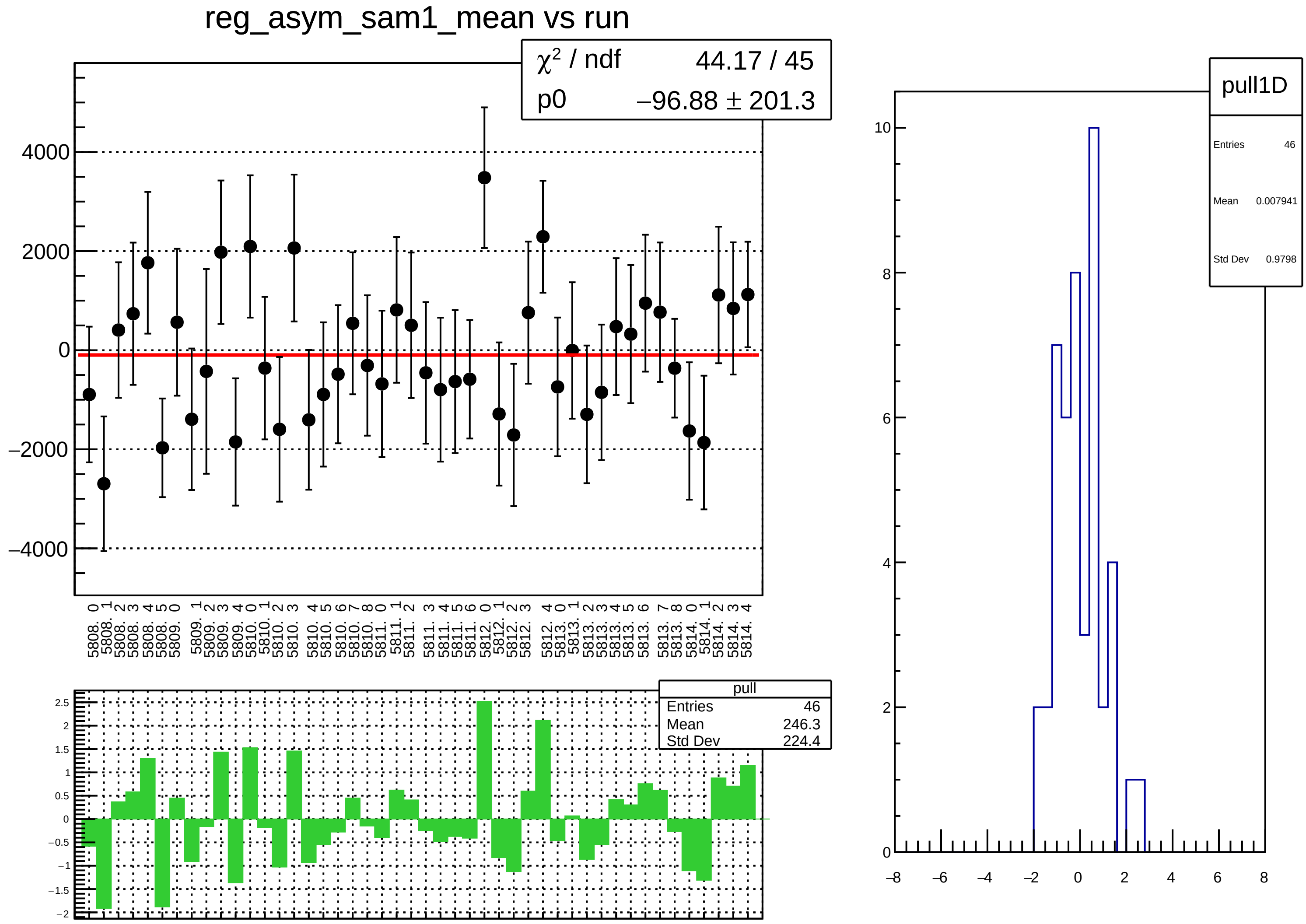
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


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

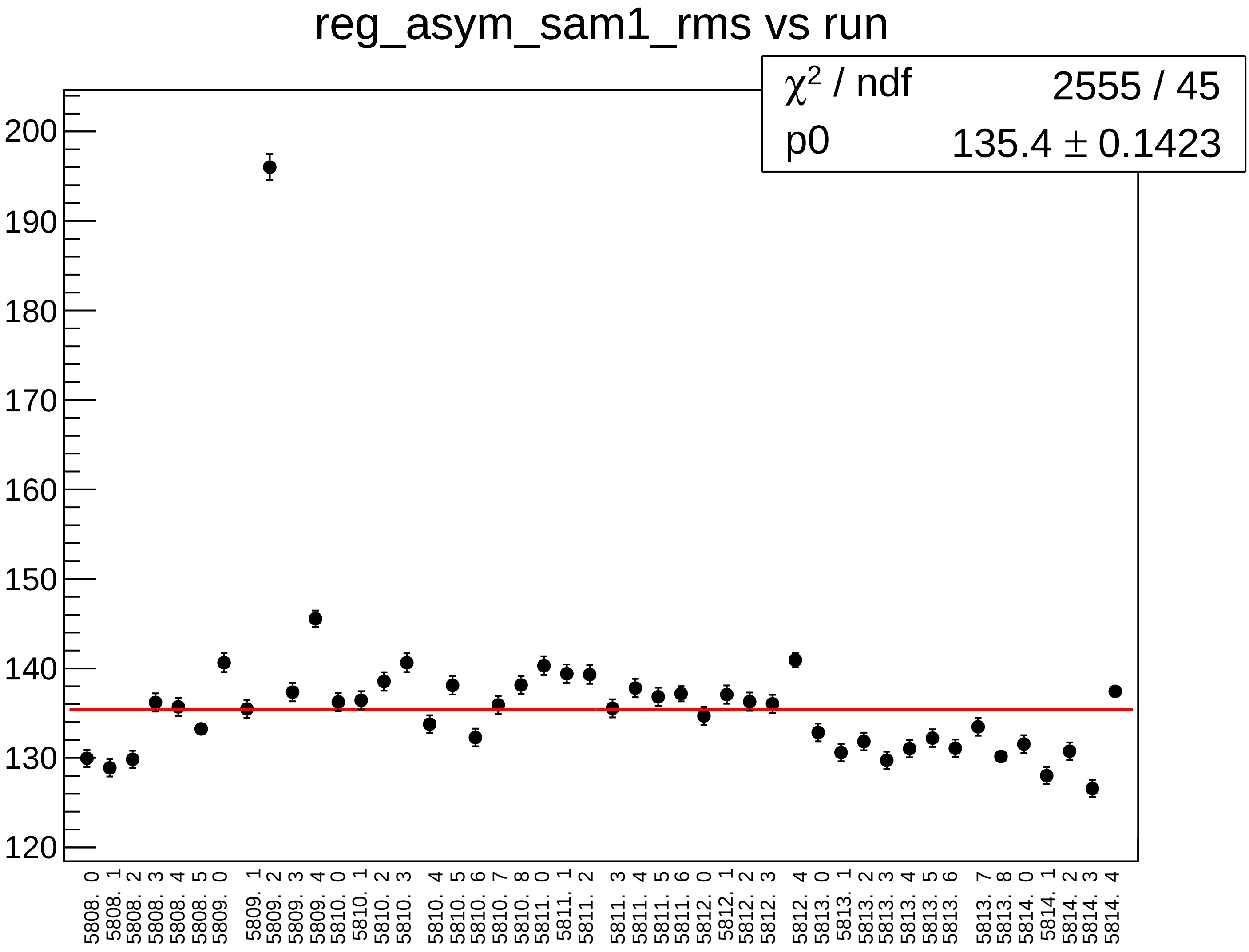

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

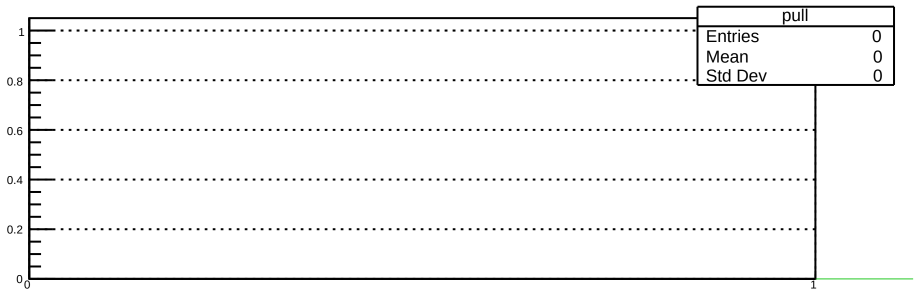

pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1


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

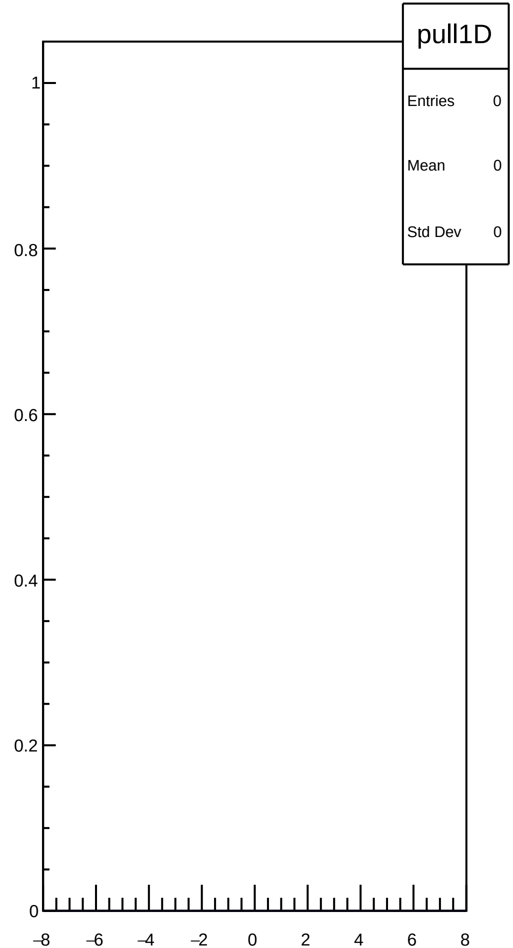


reg_asym_sam1_mean vs run
χ^2 / ndf 44.17 / 45
p0 −96.88 ± 201.3
pull
Entries 46
Mean 246.3
Std Dev 224.4
pull1D
Entries 46
Mean 0.007941
Std Dev 0.9798

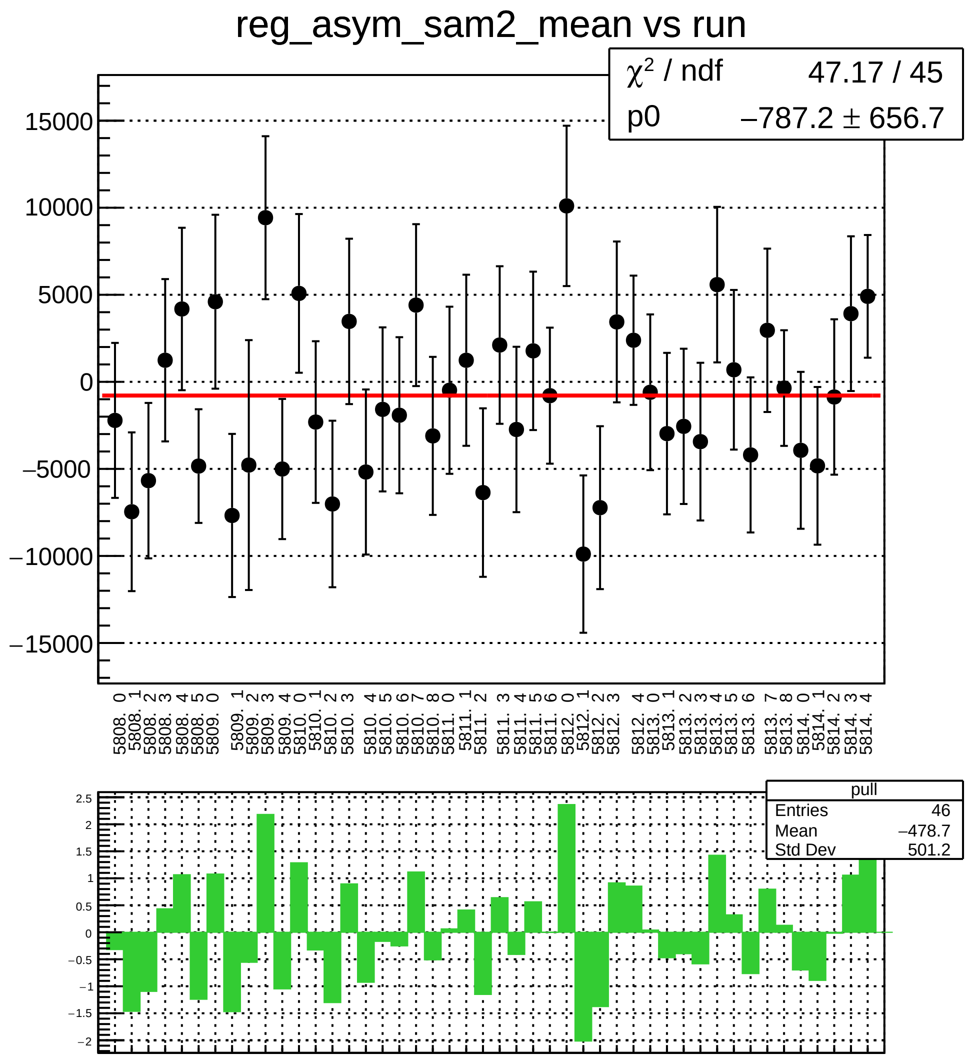

reg_asym_sam1_rms vs run
χ2 / ndf 2555 / 45
p0 135.4 ± 0.1423
120
130
140
150
160
170
180
190
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



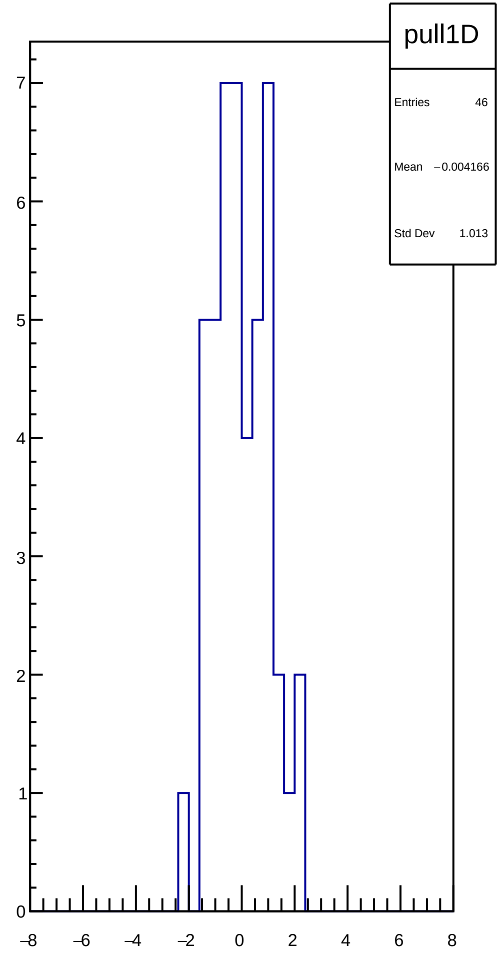
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1



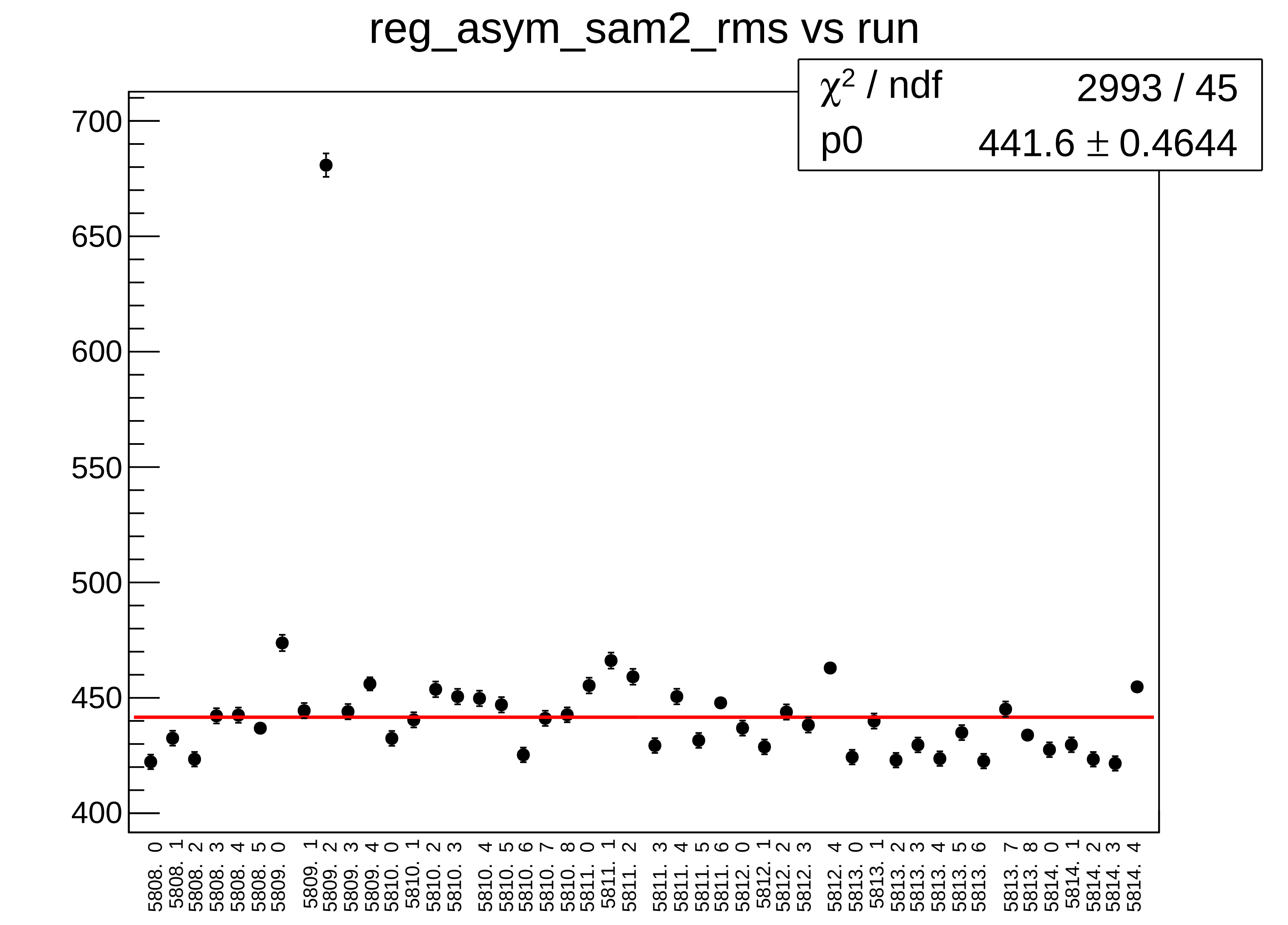
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8



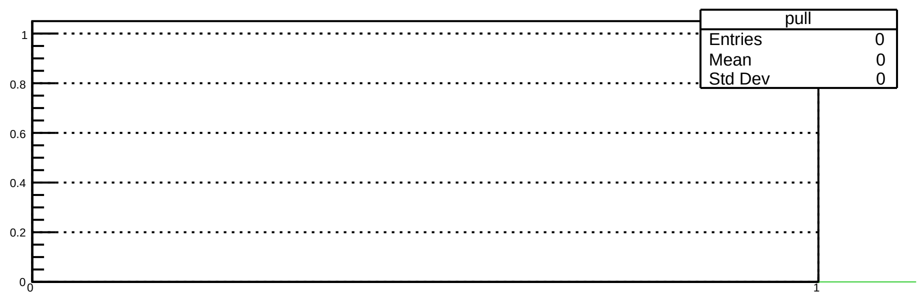
reg_asym_sam2_mean vs run
χ^2 / ndf 47.17 / 45
p0 −787.2 ± 656.7
pull
Entries 46
Mean −478.7
Std Dev 501.2

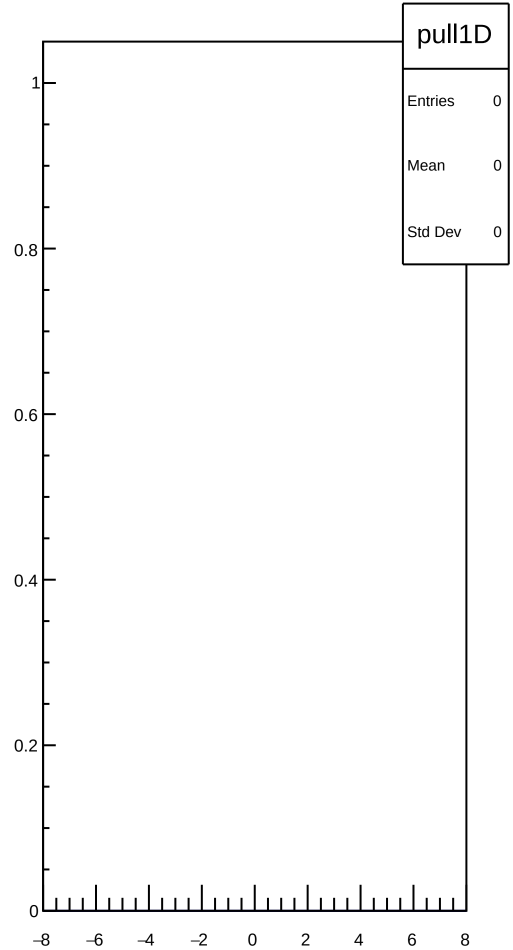


pull1D
Entries 46
Mean −0.004166
Std Dev 1.013



reg_asym_sam2_rms vs run
χ2 / ndf 2993 / 45
p0 441.6 ± 0.4644
700
650
600
550
500
450
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


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
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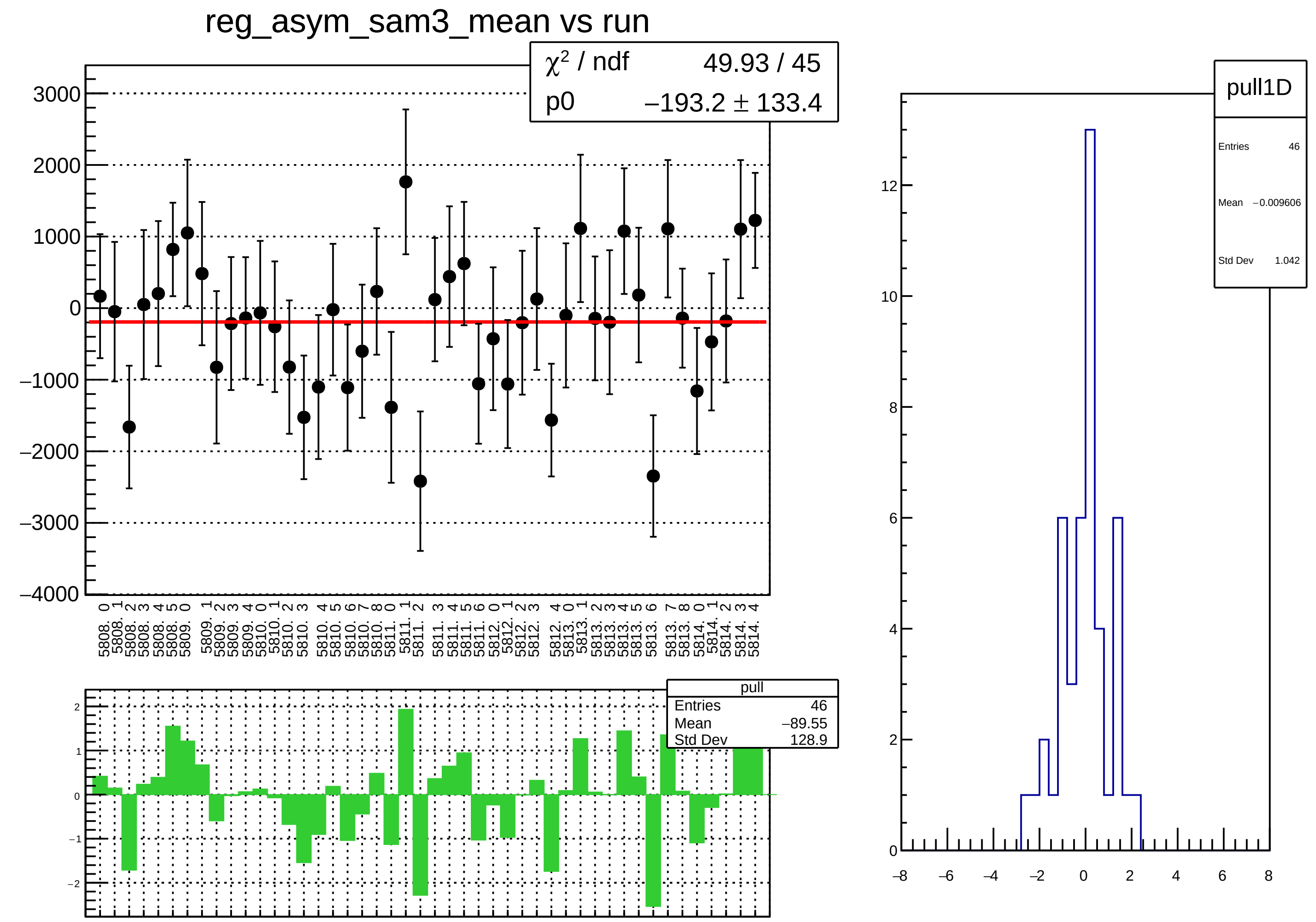
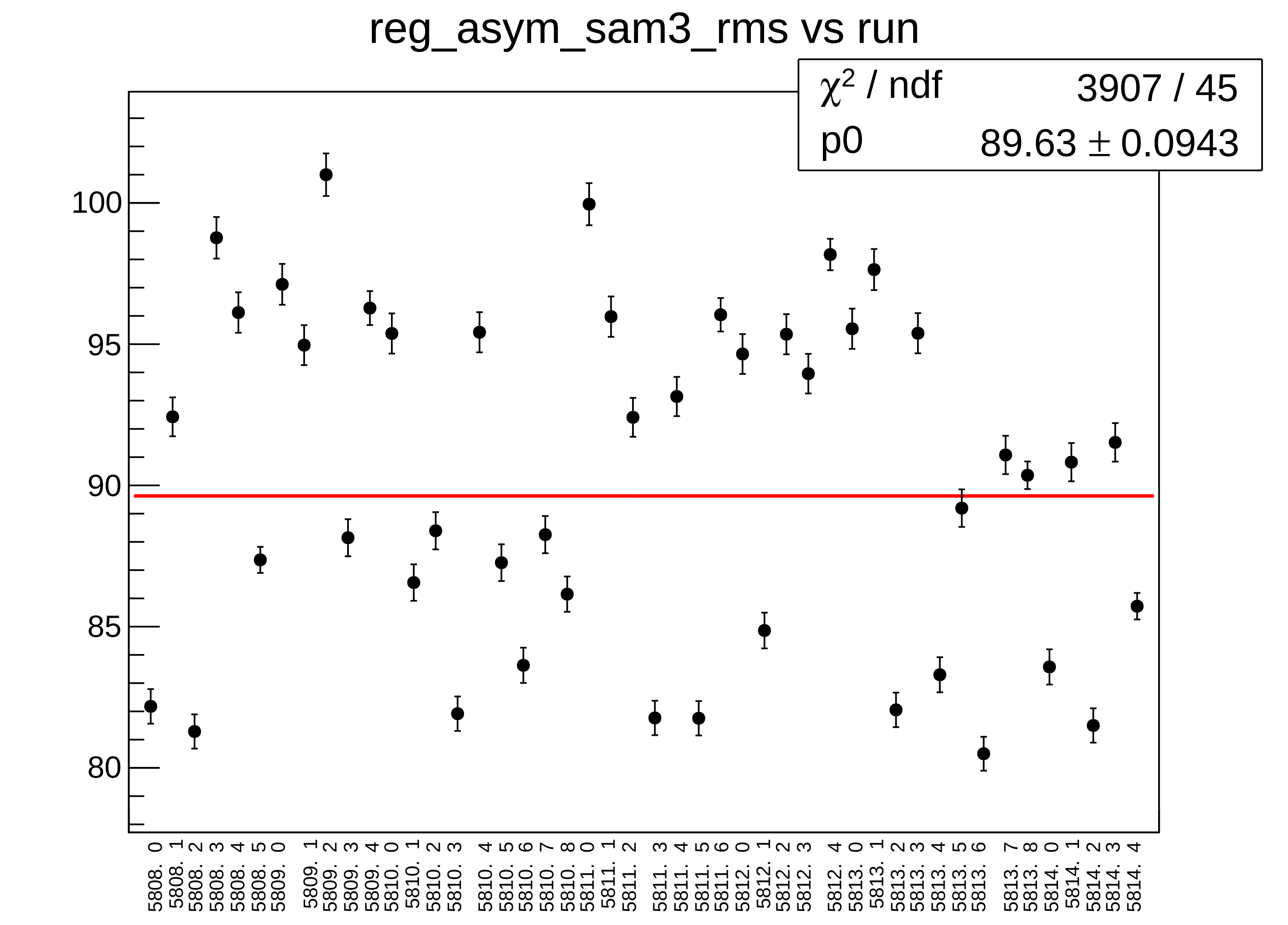
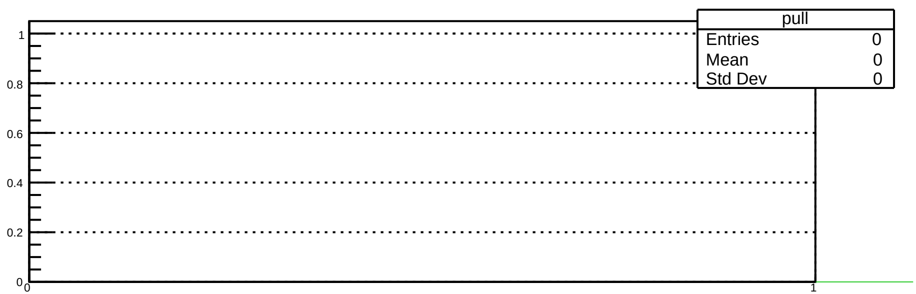
0
2
4
6
8

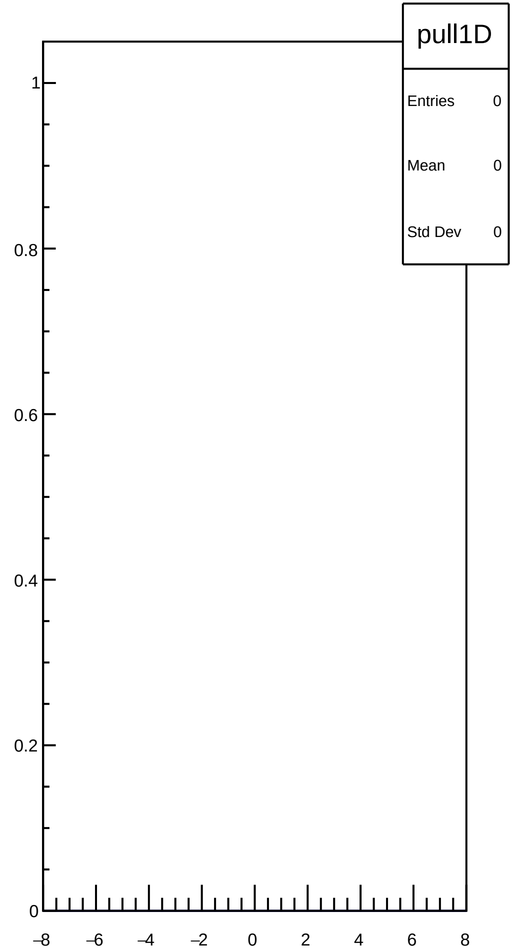


reg_asym_sam3_mean vs run
χ^2 / ndf 49.93 / 45
p0 −193.2 ± 133.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 46
Mean −89.55
Std Dev 128.9
pull1D
Entries 46
Mean −0.009606
Std Dev 1.042

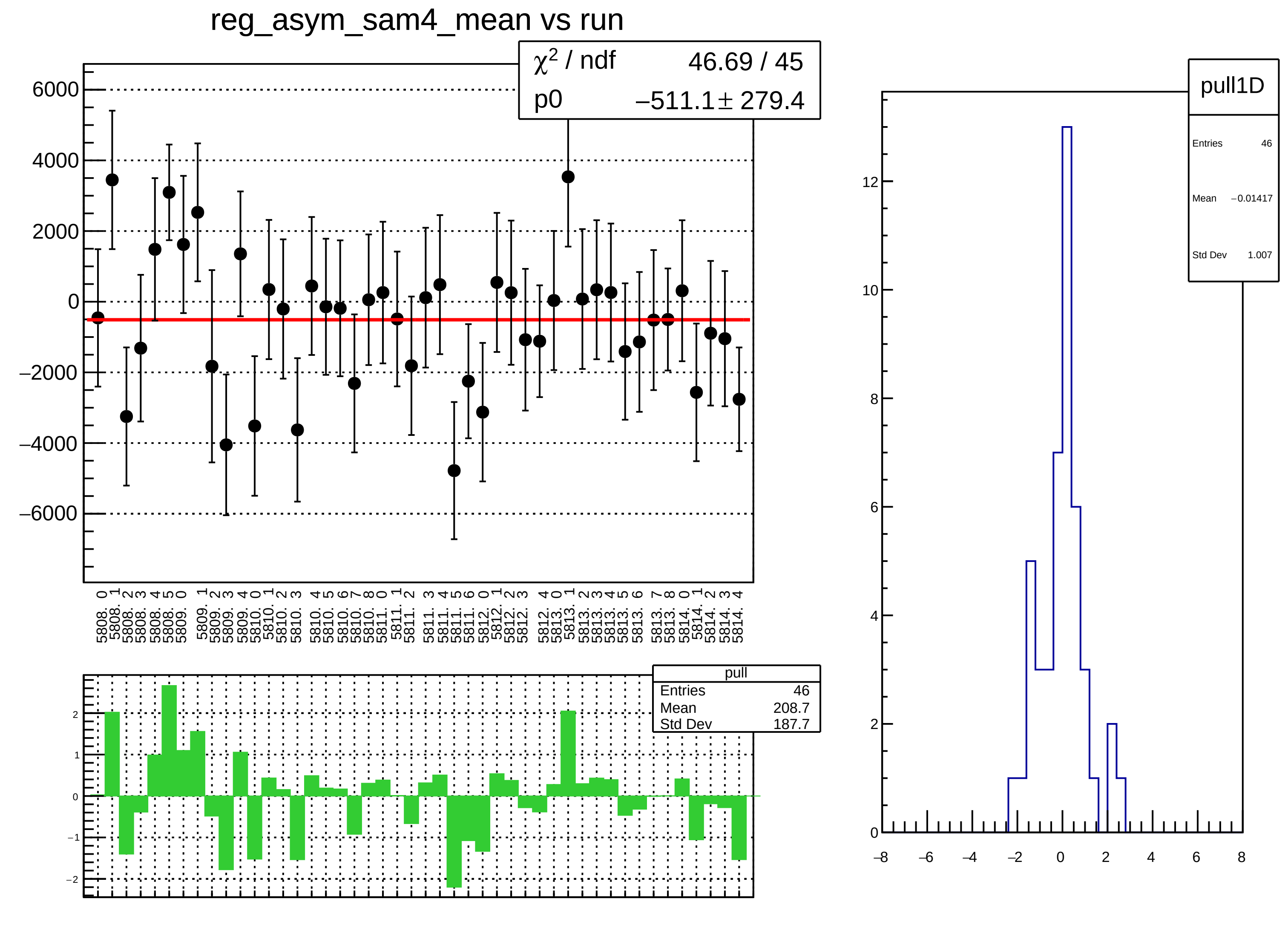

reg_asym_sam3_rms vs run
χ2 / ndf 3907 / 45
p0 89.63 ± 0.0943
100
95
90
85
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

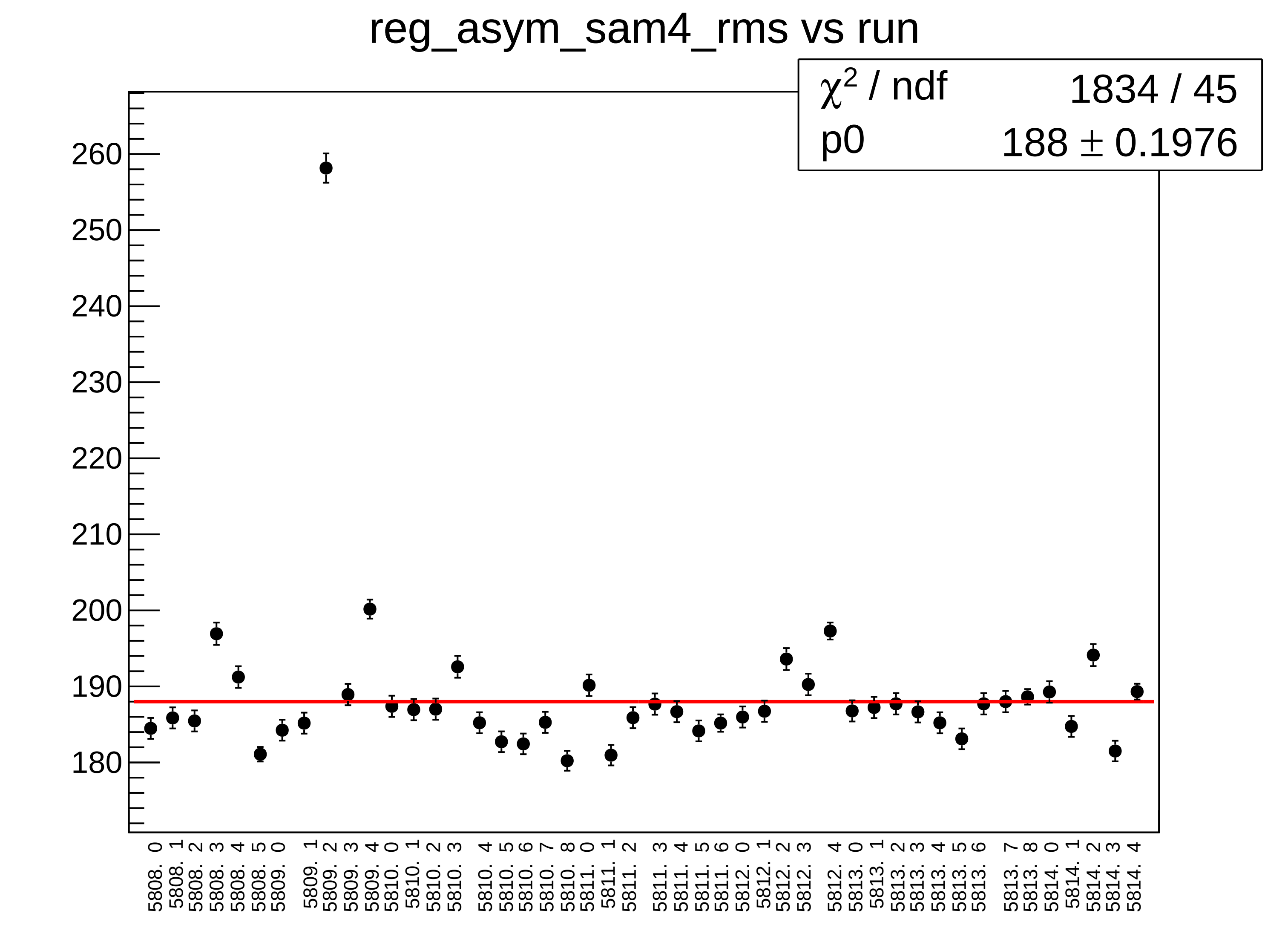


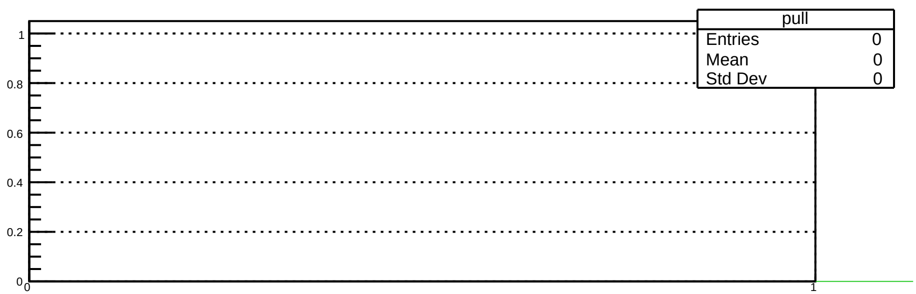
pull
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
0
1



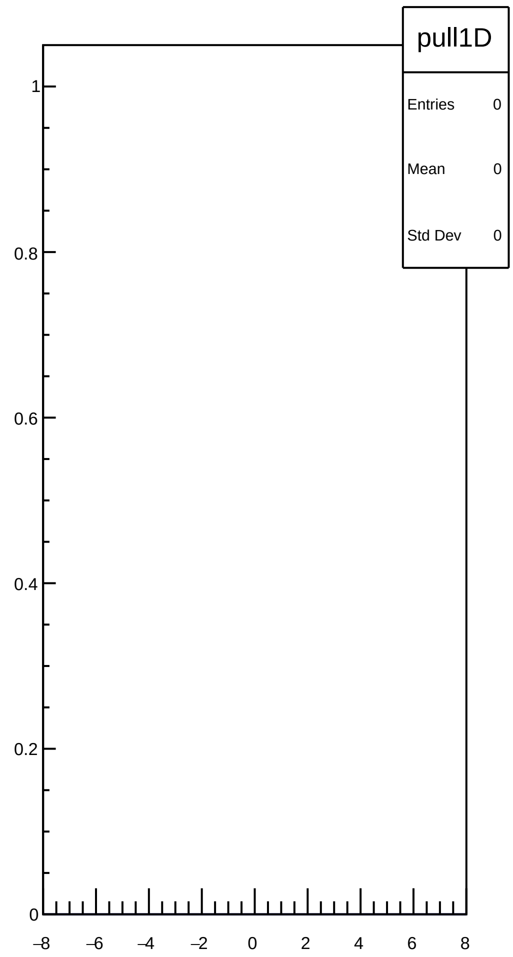
pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8


reg_asym_sam4_mean vs run
χ^2 / ndf 46.69 / 45
p0 −511.1 ± 279.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 46
Mean 208.7
Std Dev 187.7
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01417
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

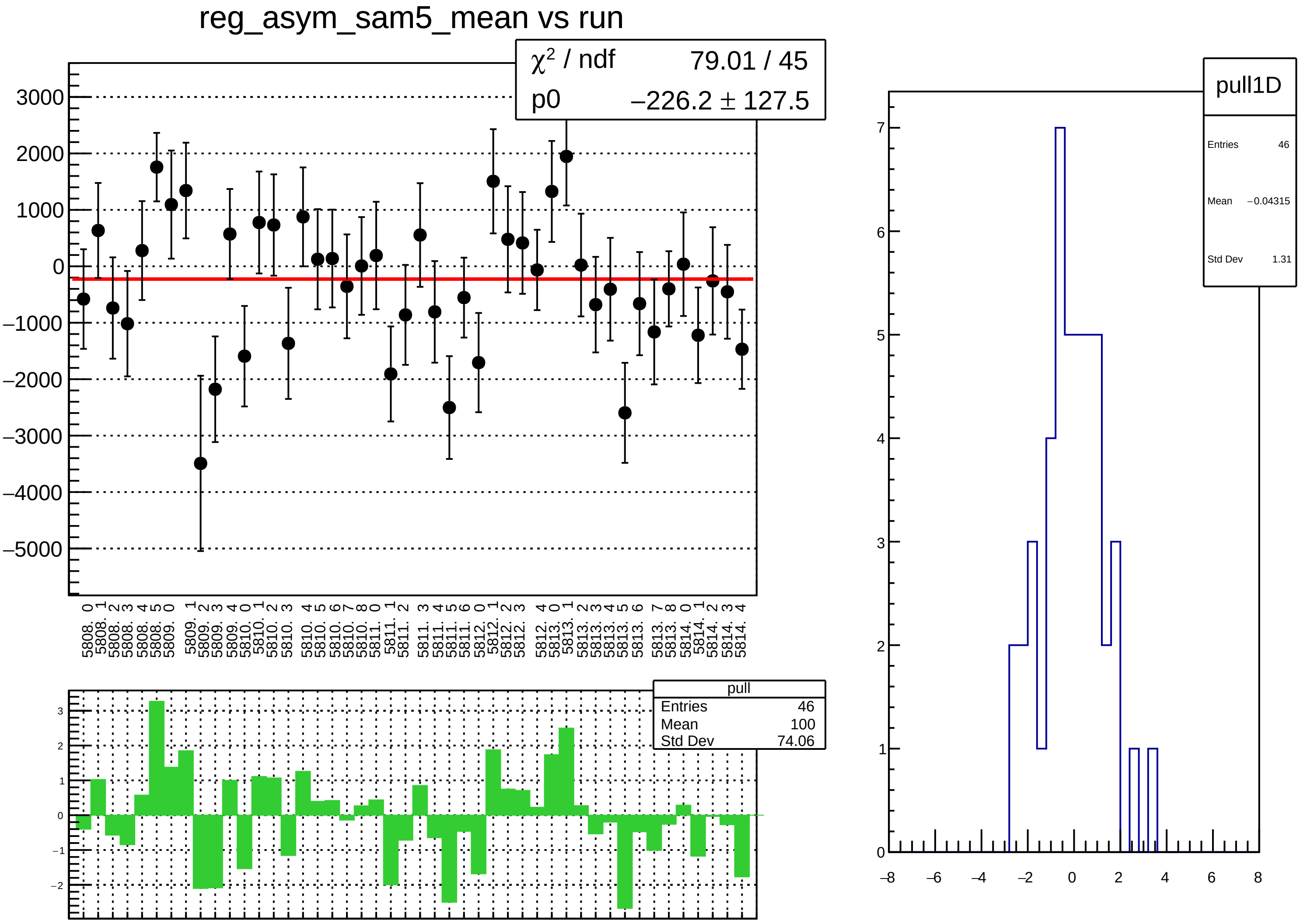

reg_asym_sam4_rms vs run
χ^2 / ndf 1834 / 45
p0 188 ± 0.1976
260
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



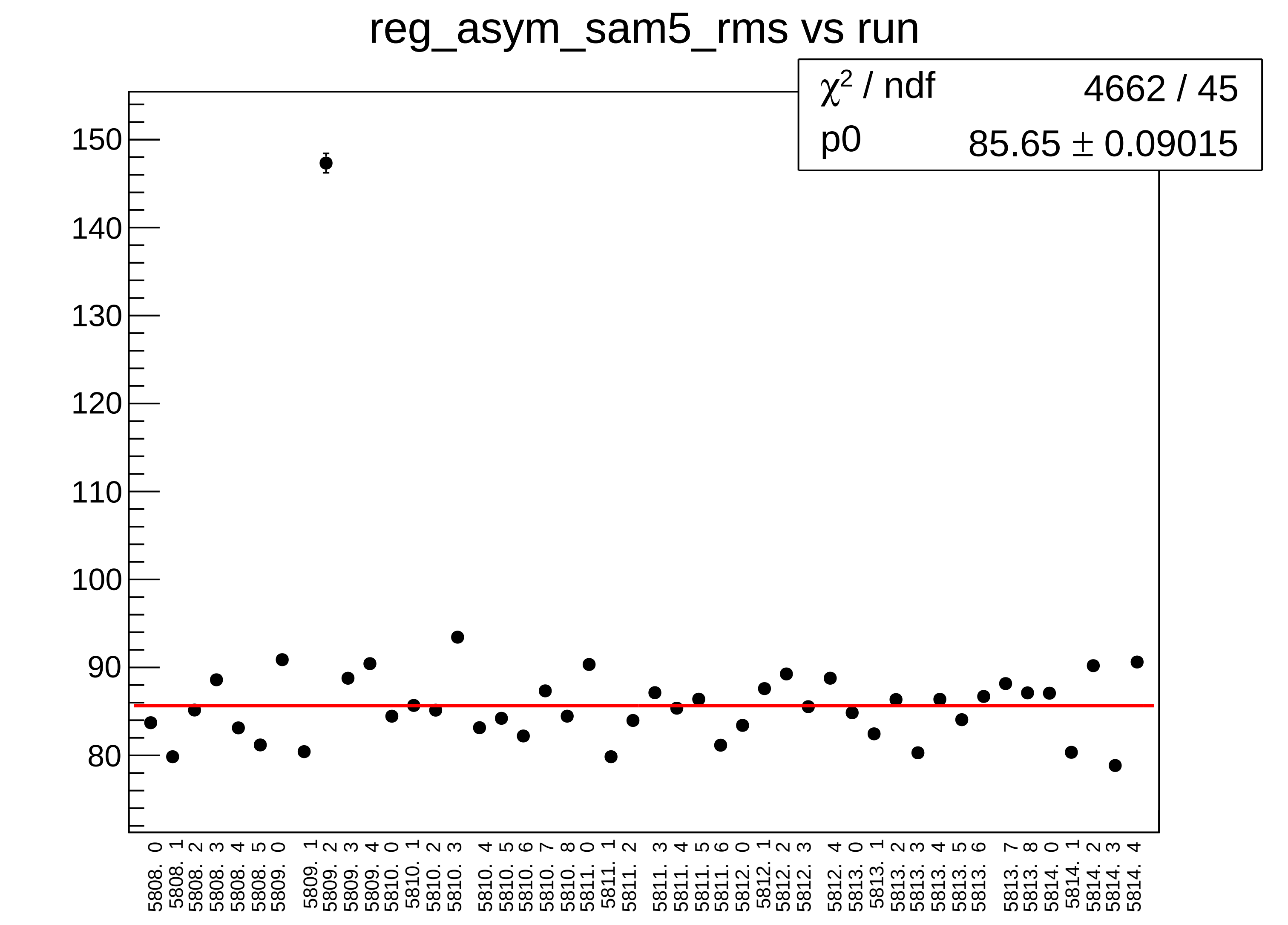
pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1



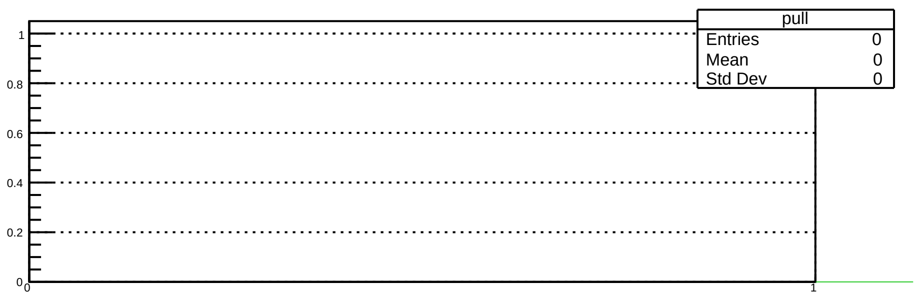
pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

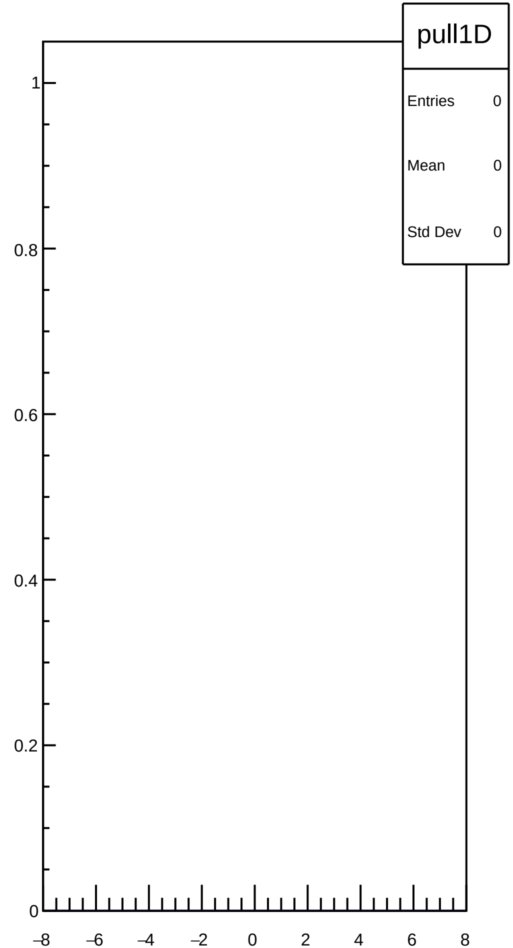


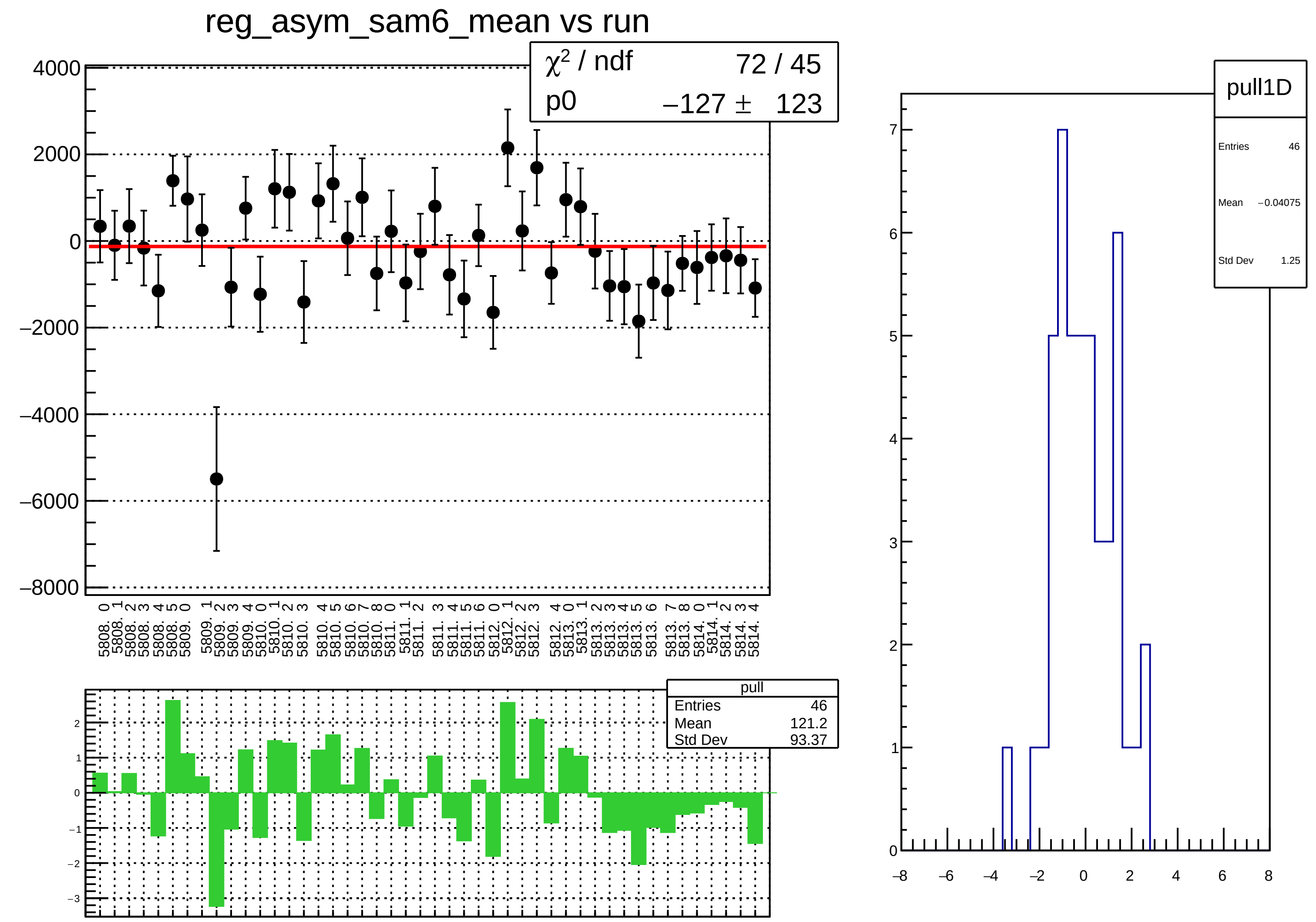
reg_asym_sam5_mean vs run
χ^2 / ndf 79.01 / 45
p0 −226.2 ± 127.5
pull
Entries 46
Mean 100
Std Dev 74.06
pull1D
Entries 46
Mean −0.04315
Std Dev 1.31



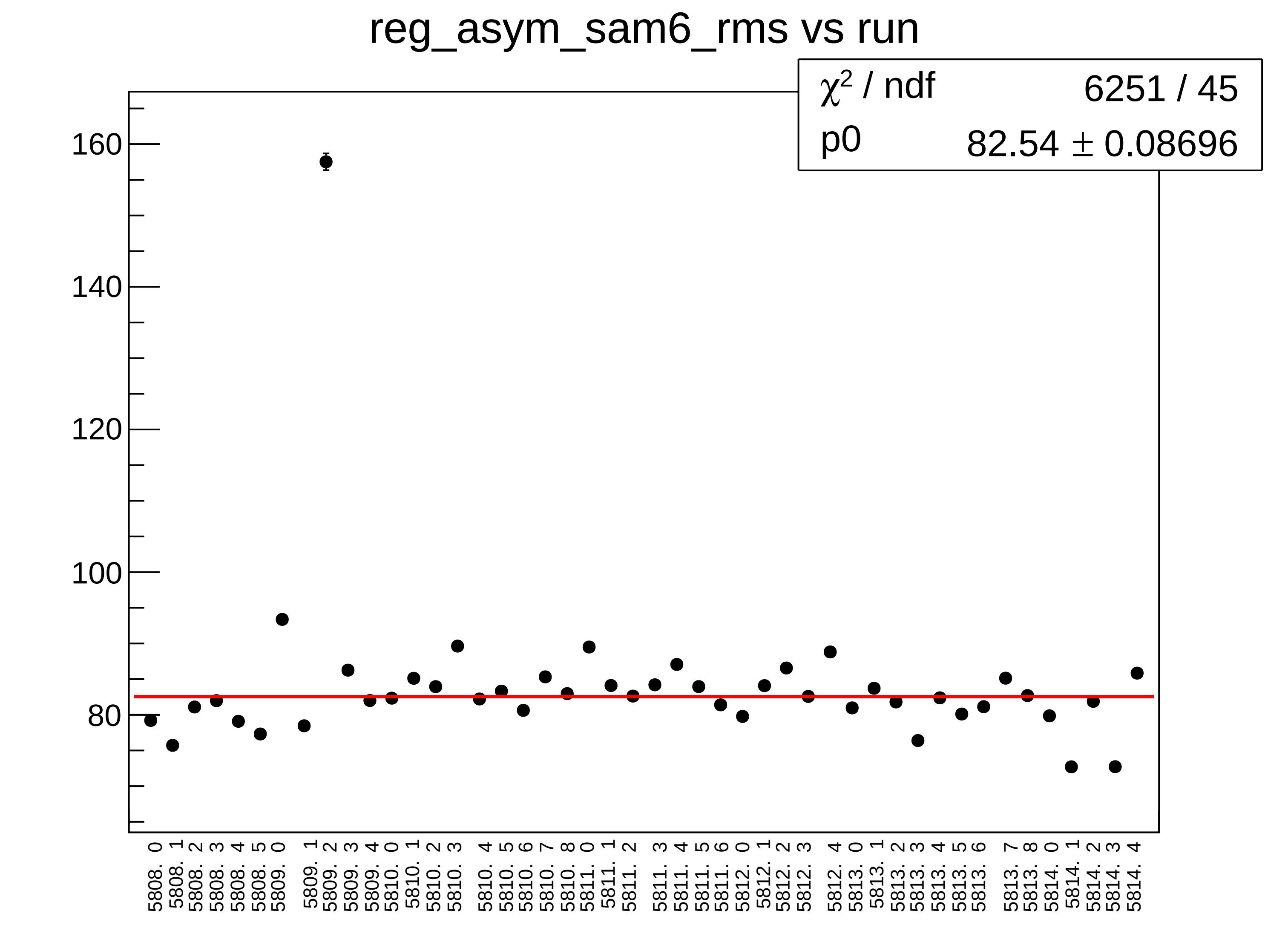
reg_asym_sam5_rms vs run
χ^2 / ndf 4662 / 45
p0 85.65 ± 0.09015
150
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

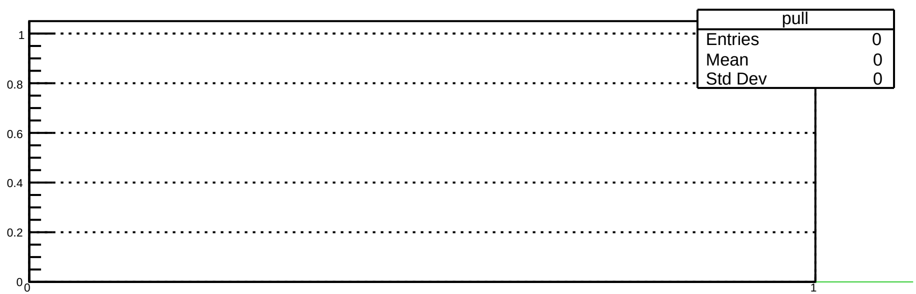

pull
Entries 0
Mean 0
Std Dev 0


pull1D
Entries 0
Mean 0
Std Dev 0

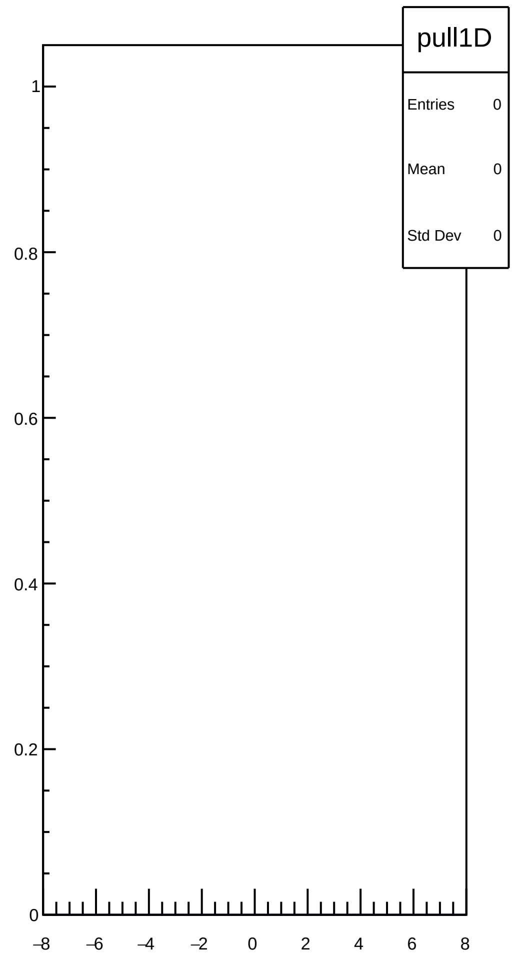


reg_asym_sam6_mean vs run
χ^2 / ndf 72 / 45
p0 −127 ± 123
pull
Entries 46
Mean 121.2
Std Dev 93.37
pull1D
Entries 46
Mean −0.04075
Std Dev 1.25

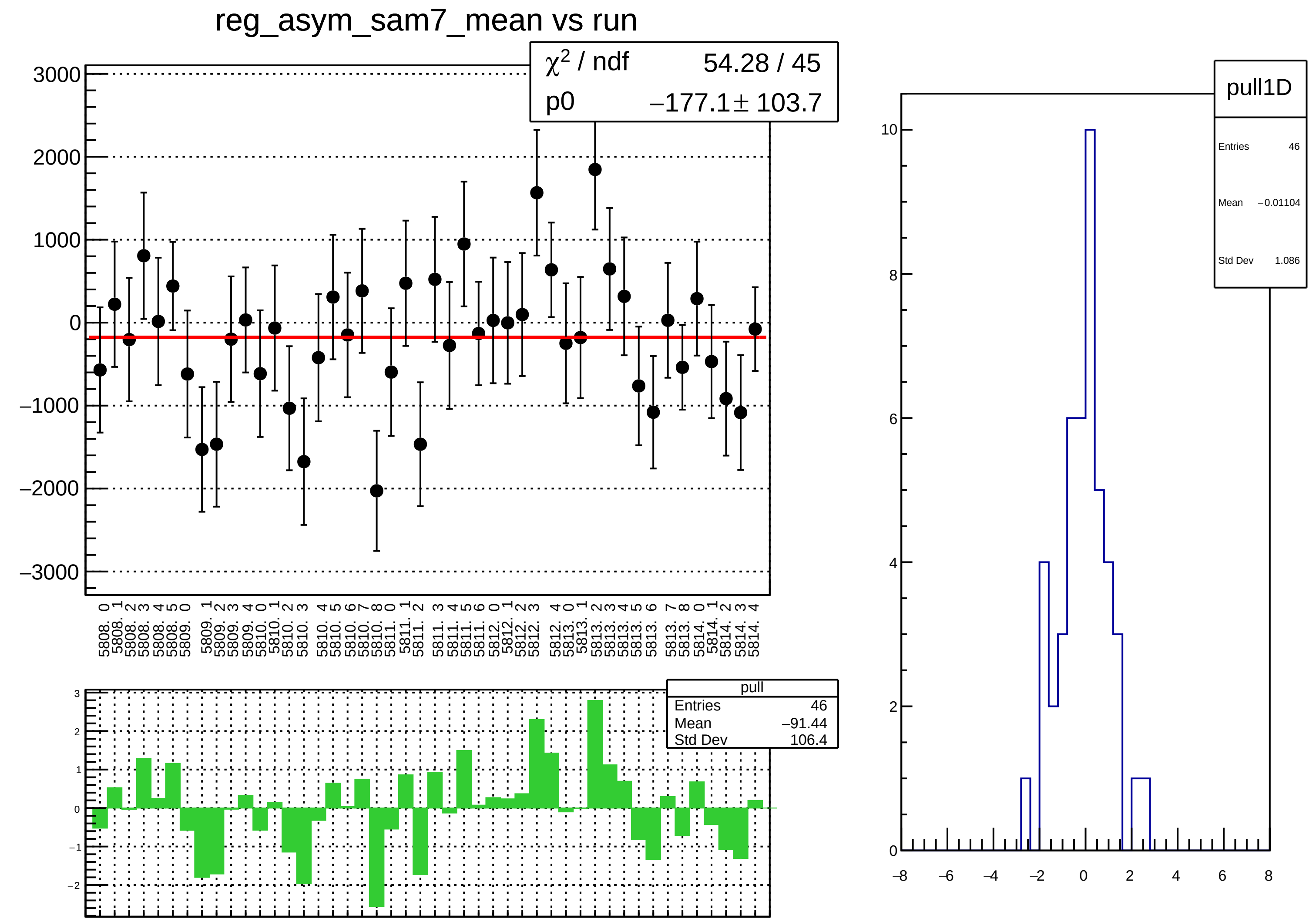

reg_asym_sam6_rms vs run
χ^2 / ndf 6251 / 45
p0 82.54 ± 0.08696
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



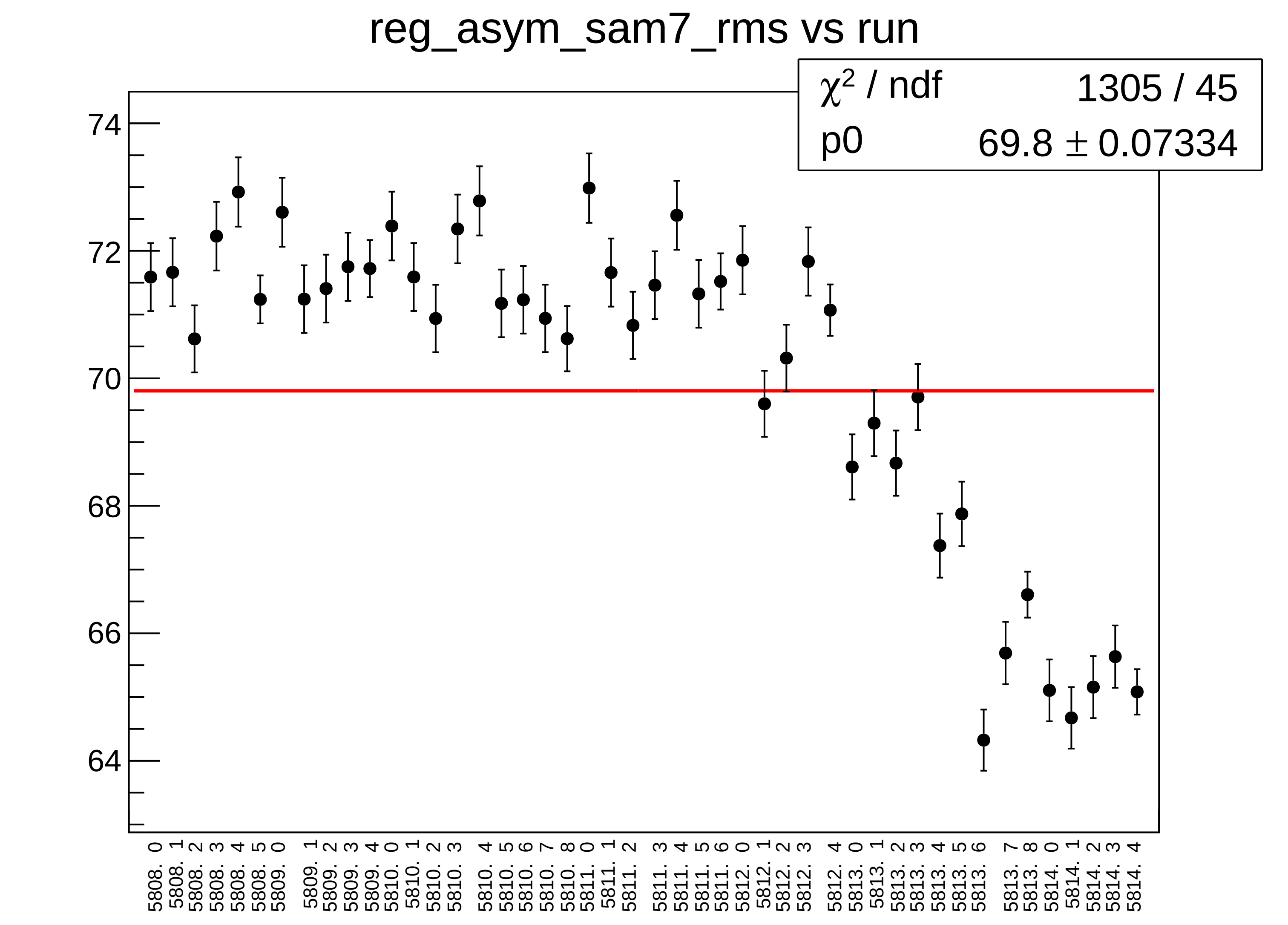
pull
Entries 0
Mean 0
Std Dev 0



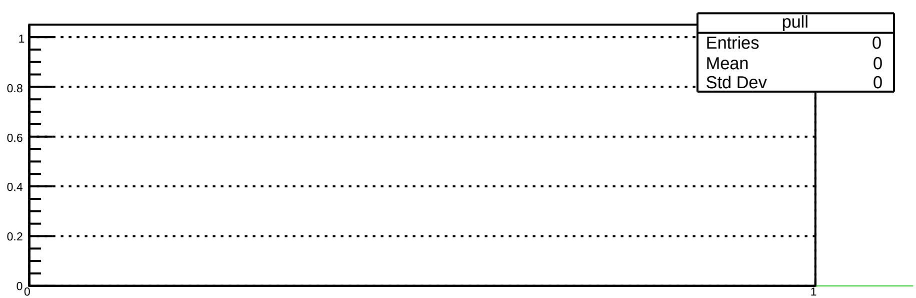
pull1D
Entries 0
Mean 0
Std Dev 0

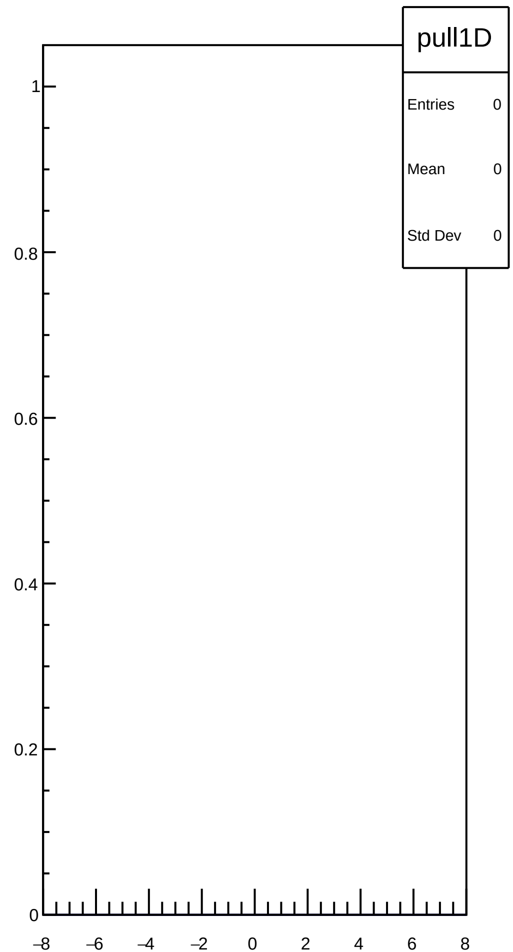


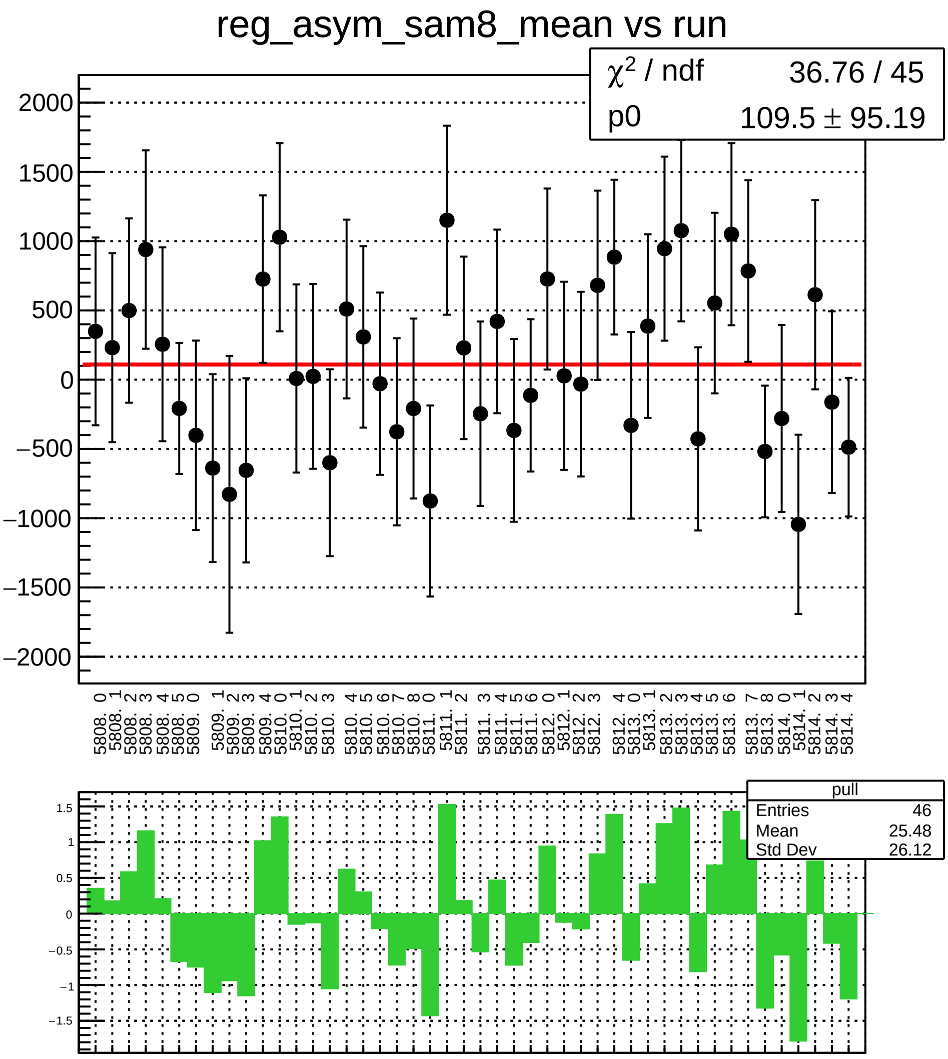
reg_asym_sam7_mean vs run
χ^2 / ndf 54.28 / 45
p0 −177.1 ± 103.7
pull
Entries 46
Mean −91.44
Std Dev 106.4
pull1D
Entries 46
Mean −0.01104
Std Dev 1.086



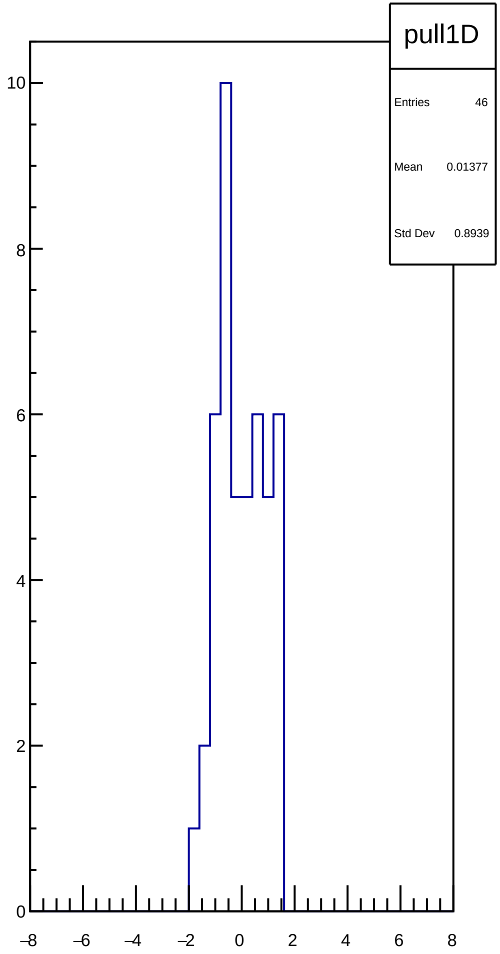
reg_asym_sam7_rms vs run
χ² / ndf 1305 / 45
p0 69.8 ± 0.07334
74
72
70
68
66
64
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


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

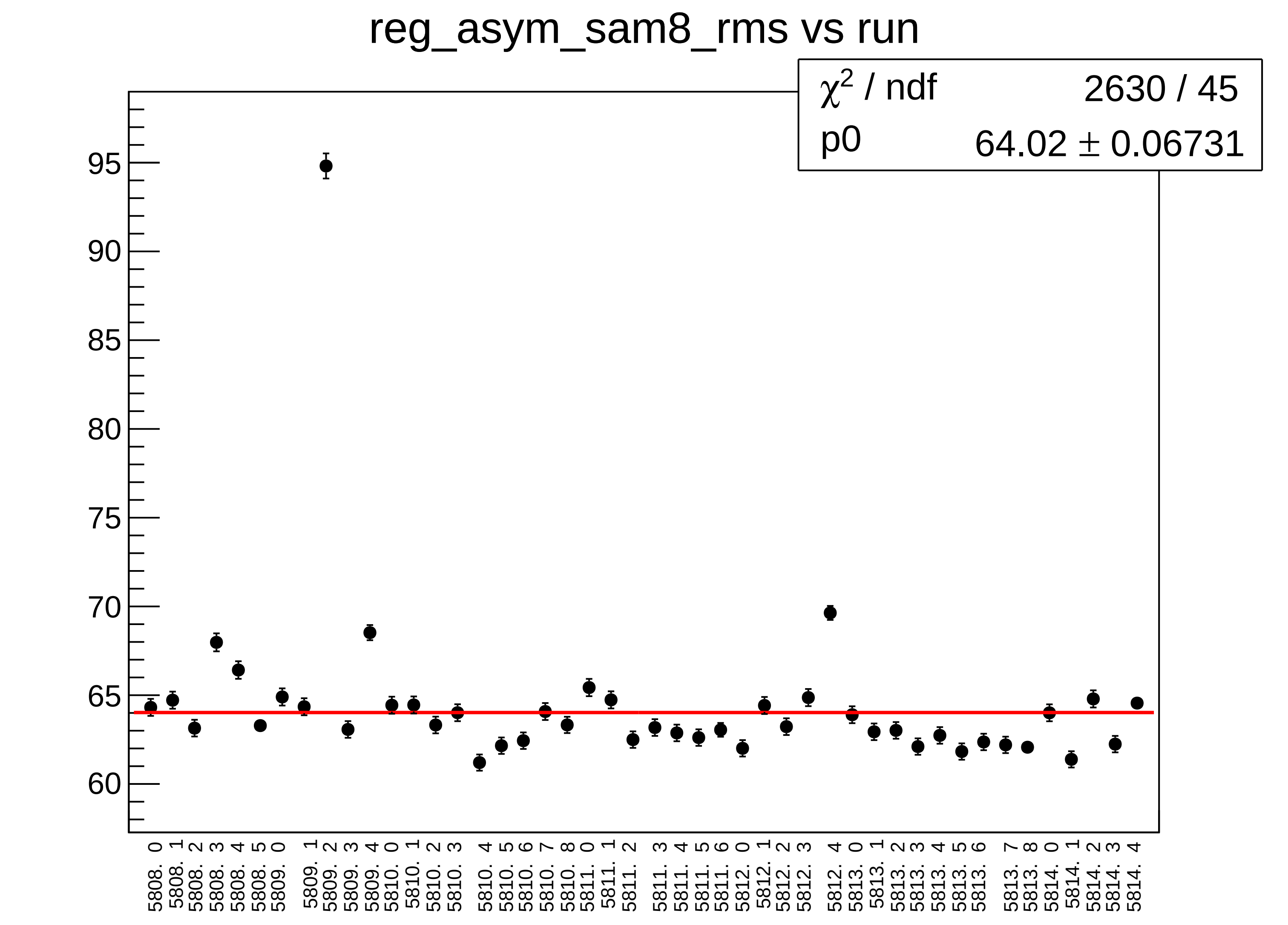

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8 –6 –4 –2 0 2 4 6 8



reg_asym_sam8_mean vs run
χ^2 / ndf 36.76 / 45
p0 109.5 ± 95.19
pull
Entries 46
Mean 25.48
Std Dev 26.12



pull1D
Entries 46
Mean 0.01377
Std Dev 0.8939



reg_asym_sam8_rms vs run
χ^2 / ndf 2630 / 45
p0 64.02 ± 0.06731
95
90
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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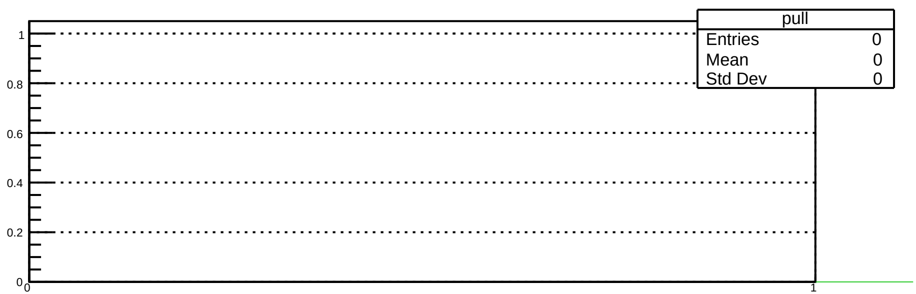
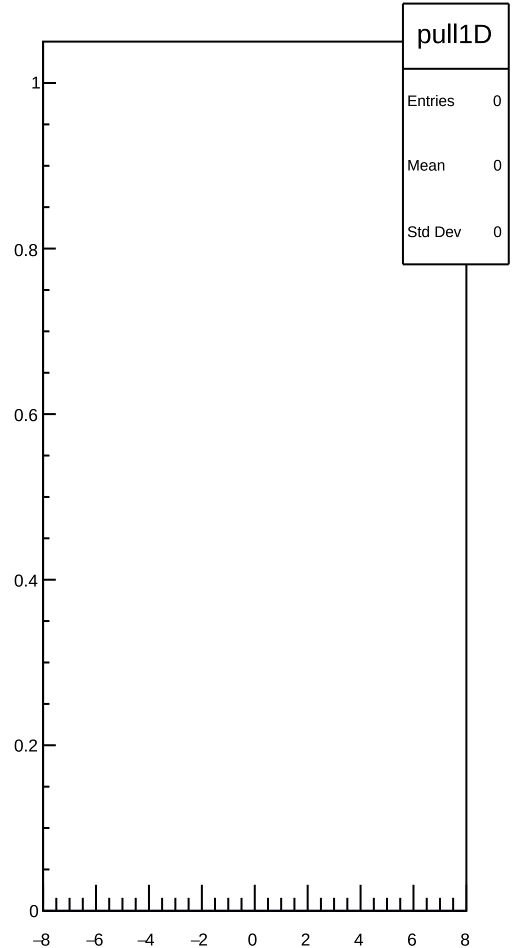
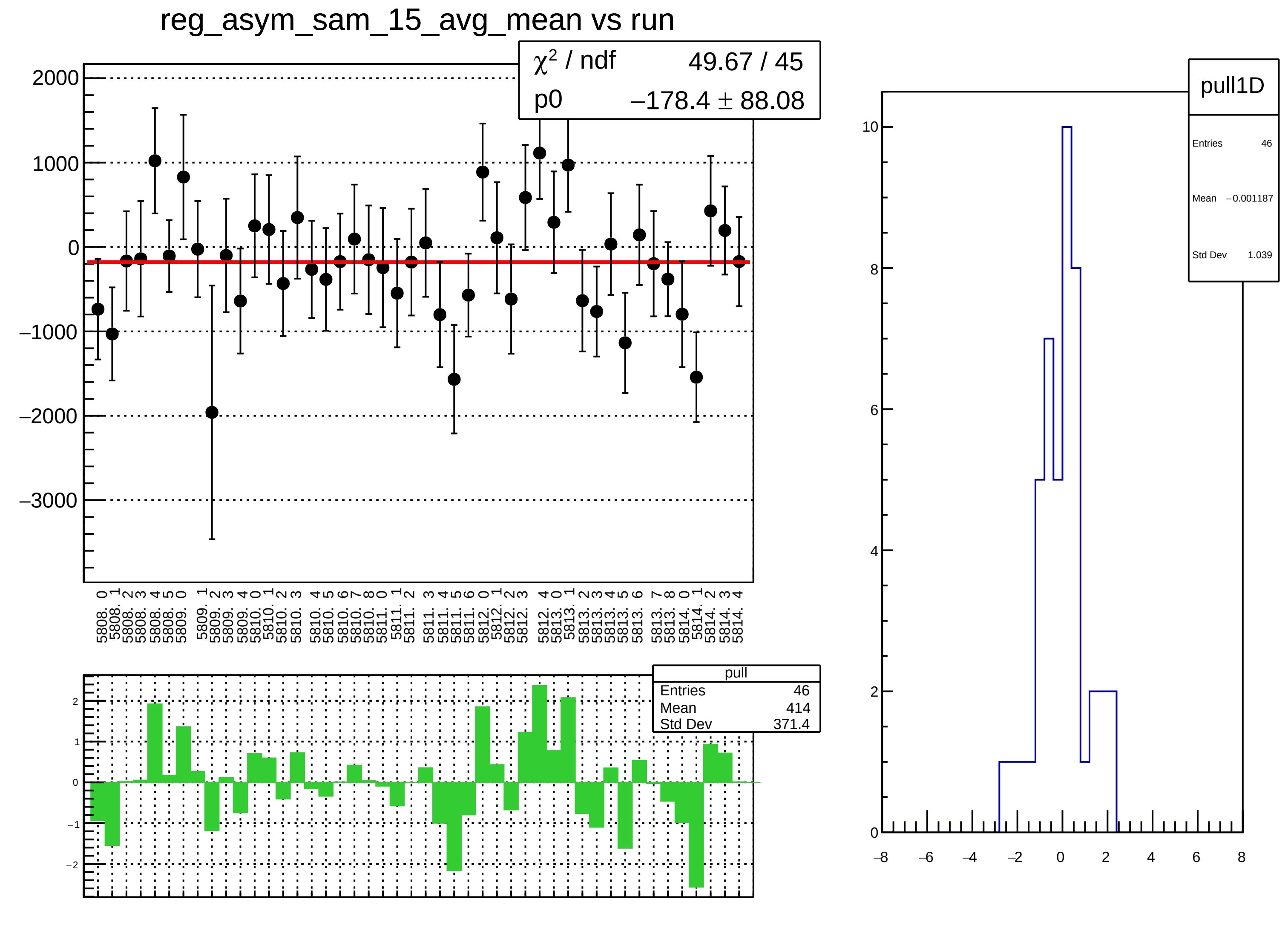
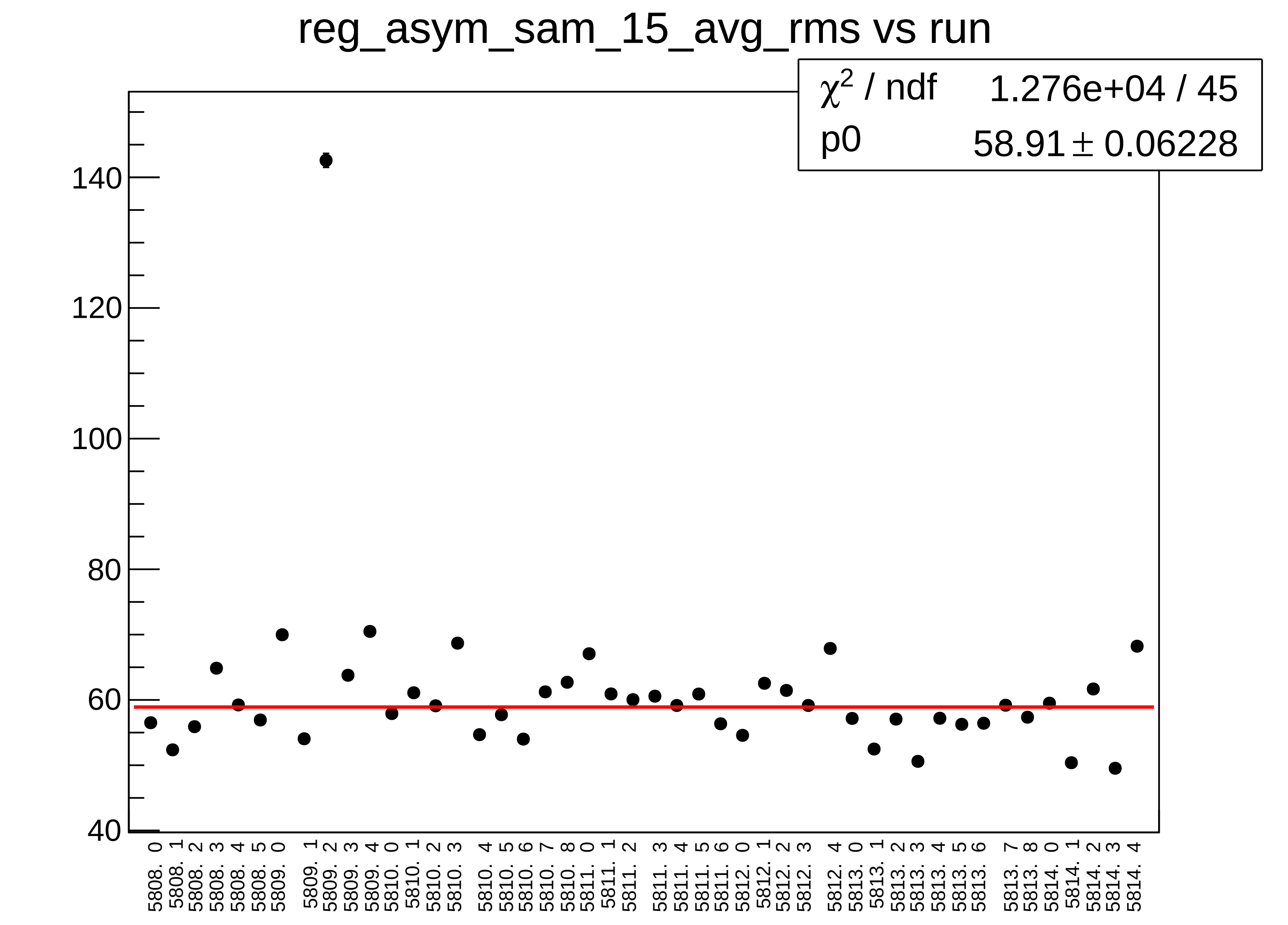
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


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

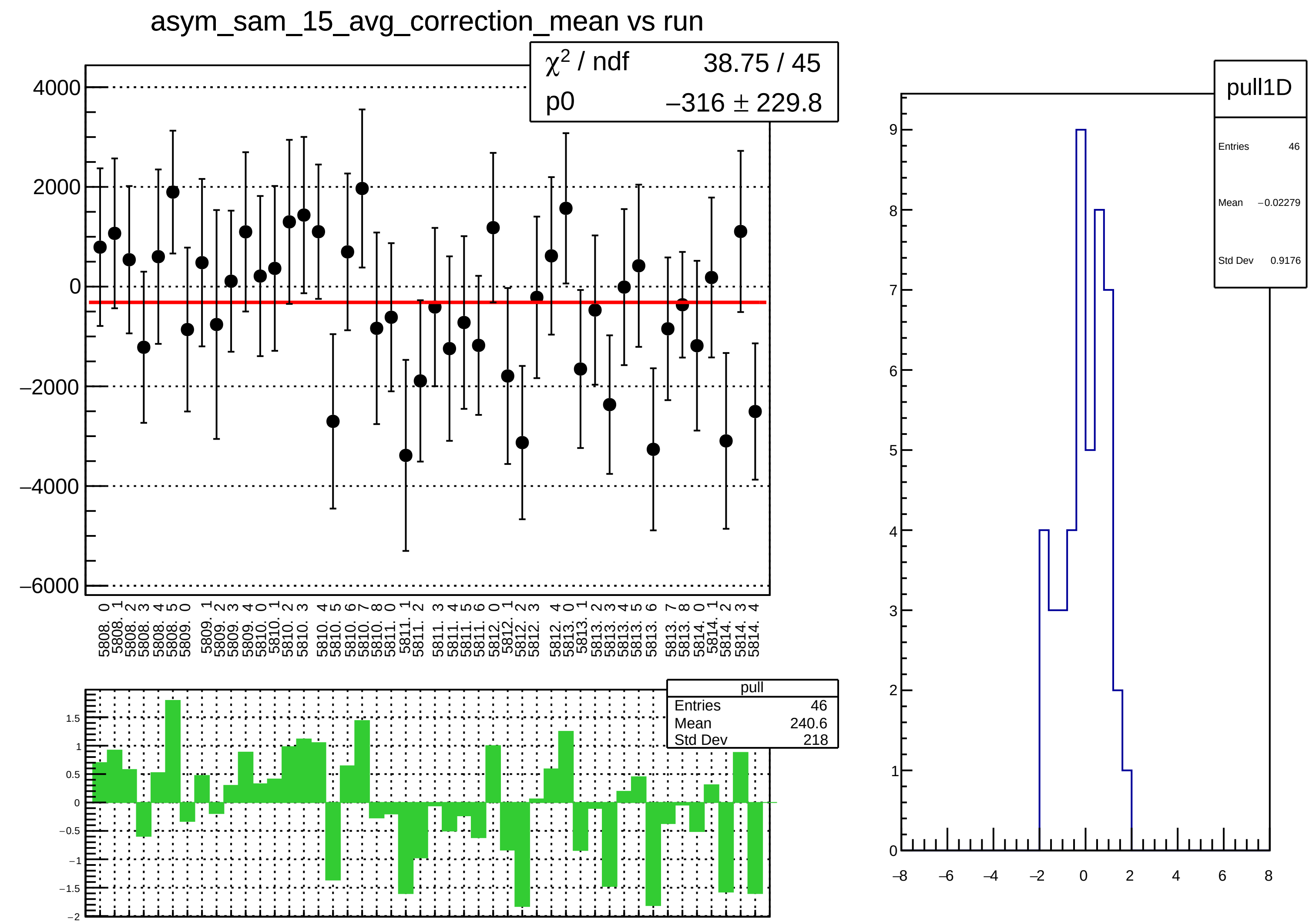

pull1D
Entries 0
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
–8
–6
–4
–2
0
2
4
6
8



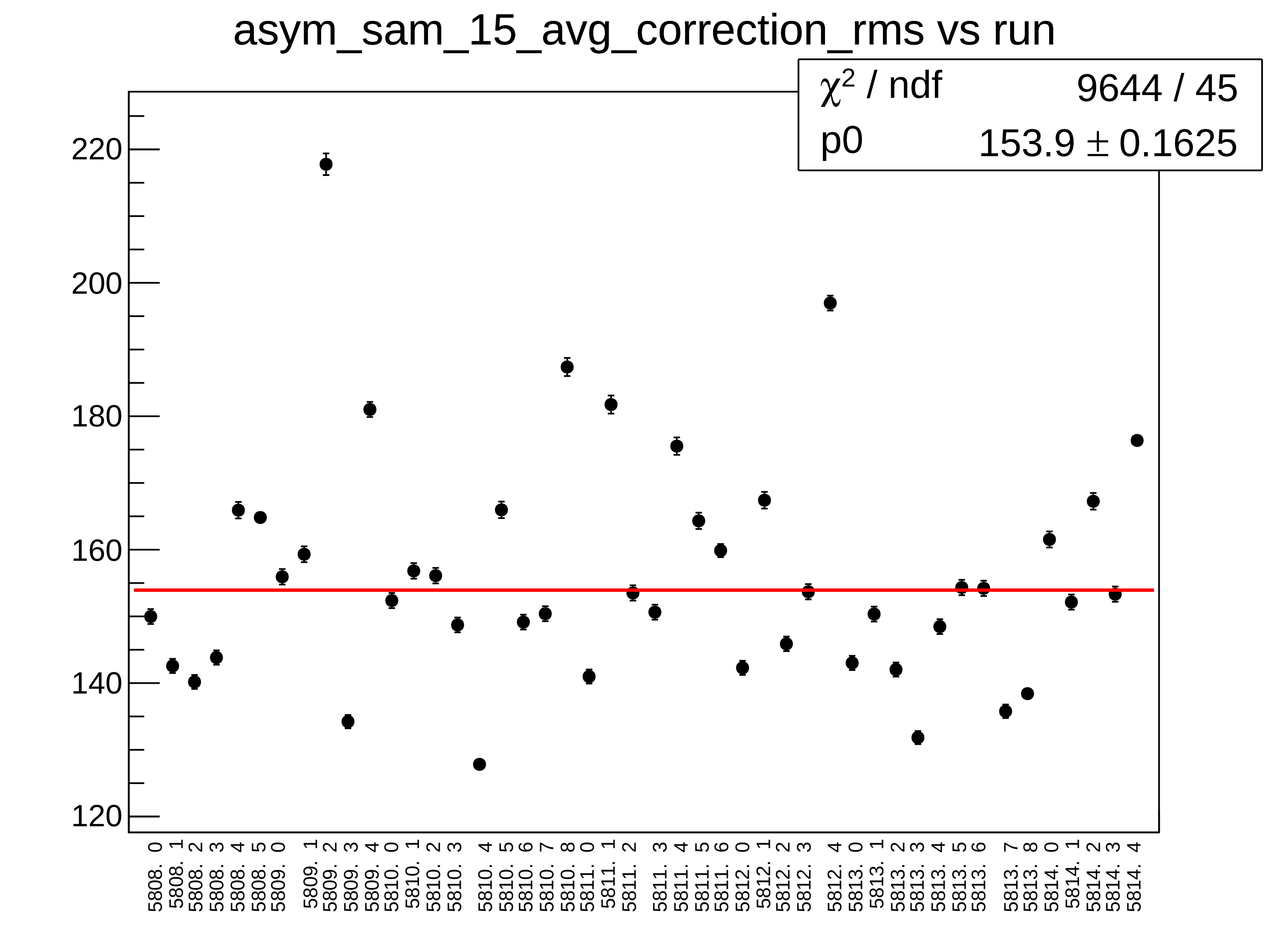
reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 49.67 / 45
p0 −178.4 ± 88.08
pull
Entries 46
Mean 414
Std Dev 371.4
pull1D
Entries 46
Mean −0.001187
Std Dev 1.039



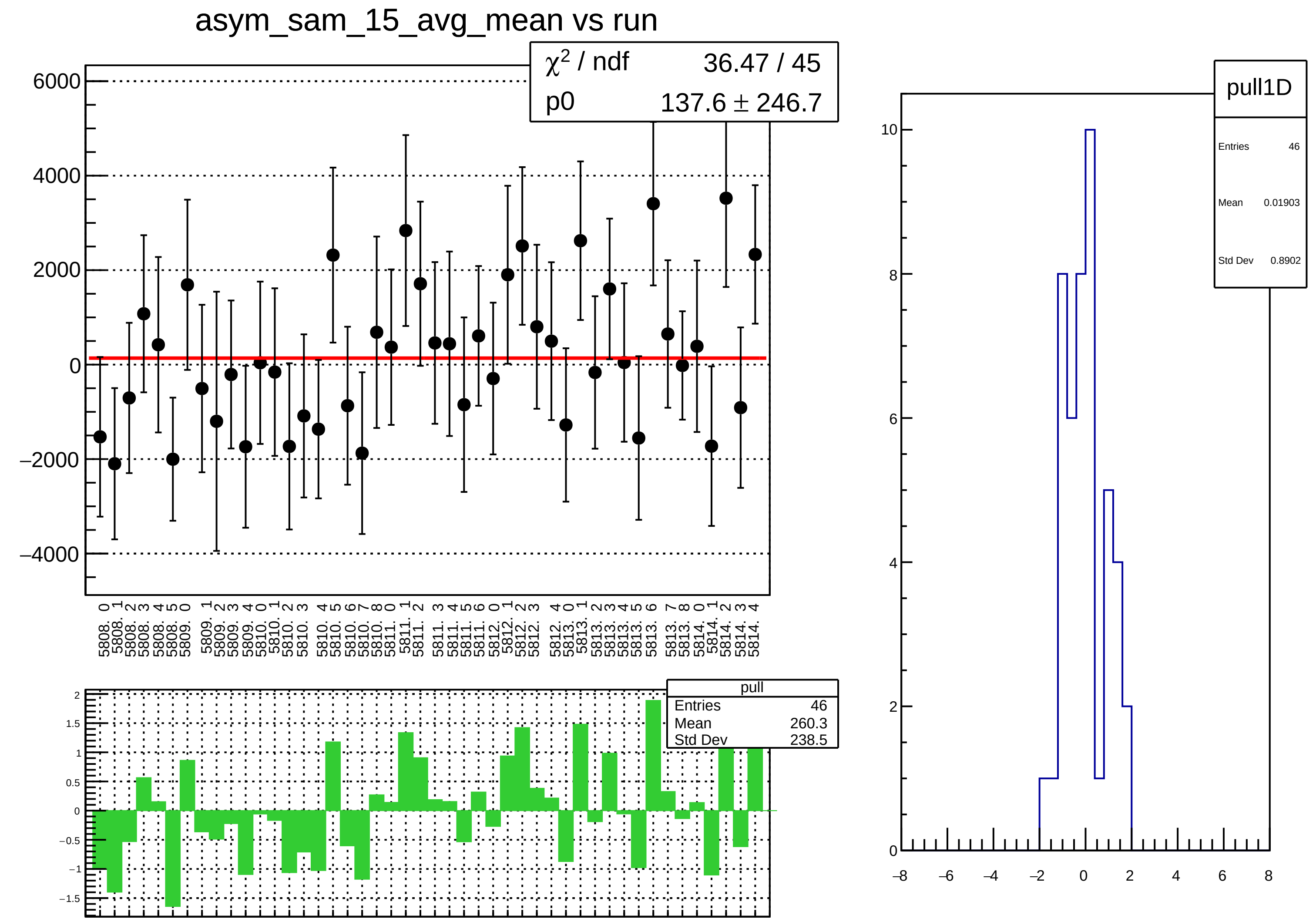
reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.276e+04 / 45
p0 58.91 ± 0.06228
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

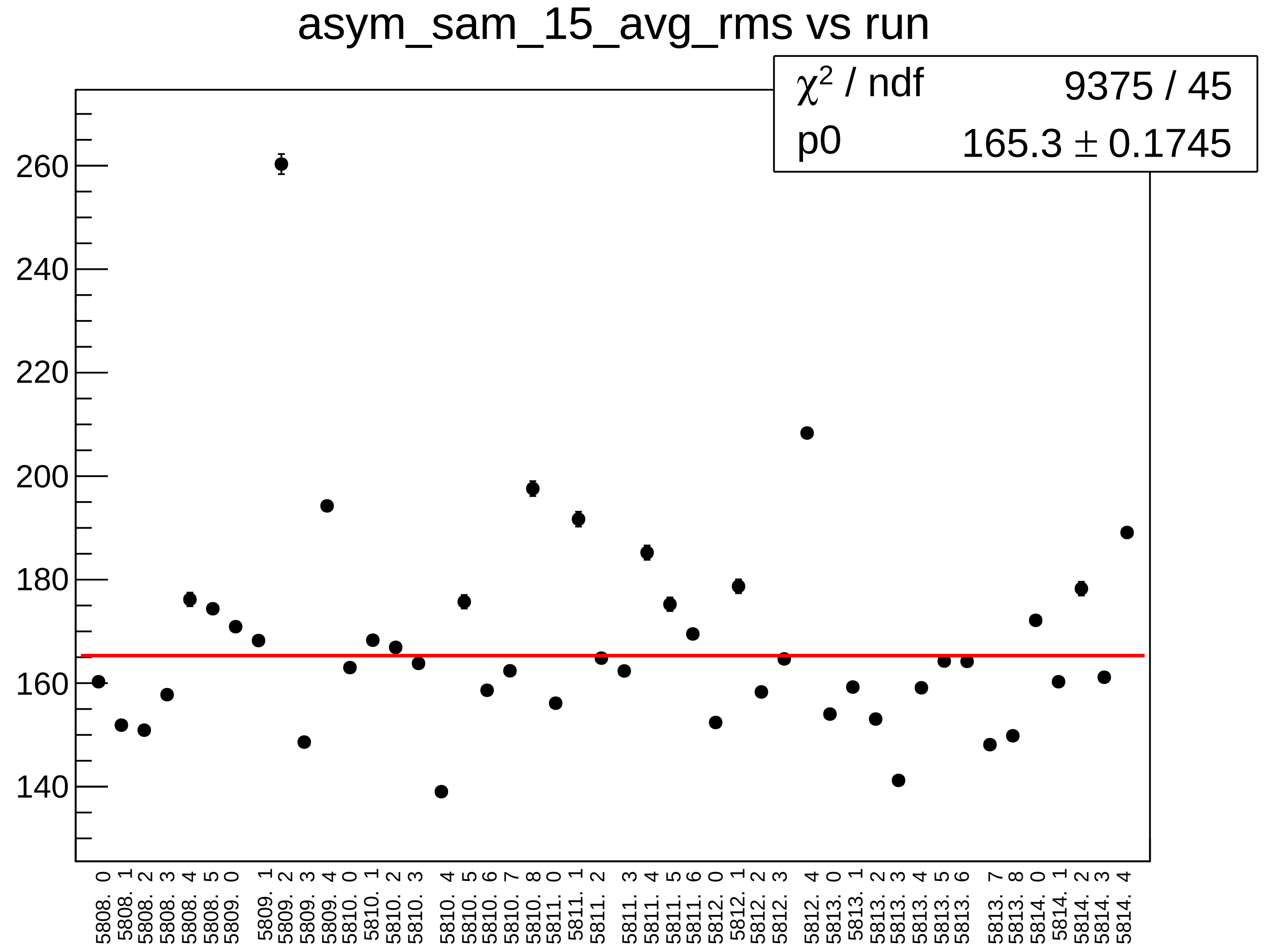


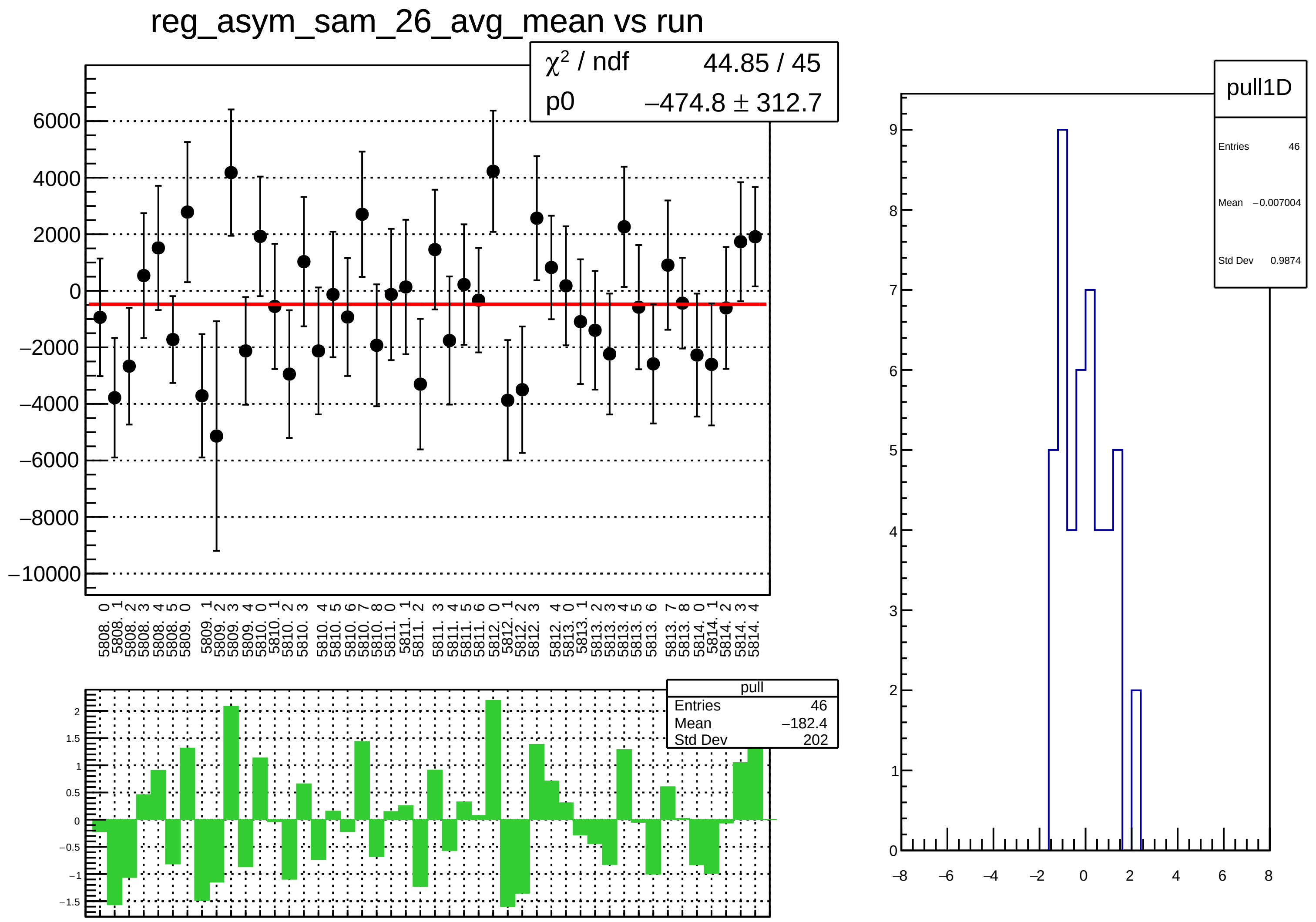
asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 38.75 / 45
p0 −316 ± 229.8
pull
Entries 46
Mean 240.6
Std Dev 218
pull1D
Entries 46
Mean −0.02279
Std Dev 0.9176



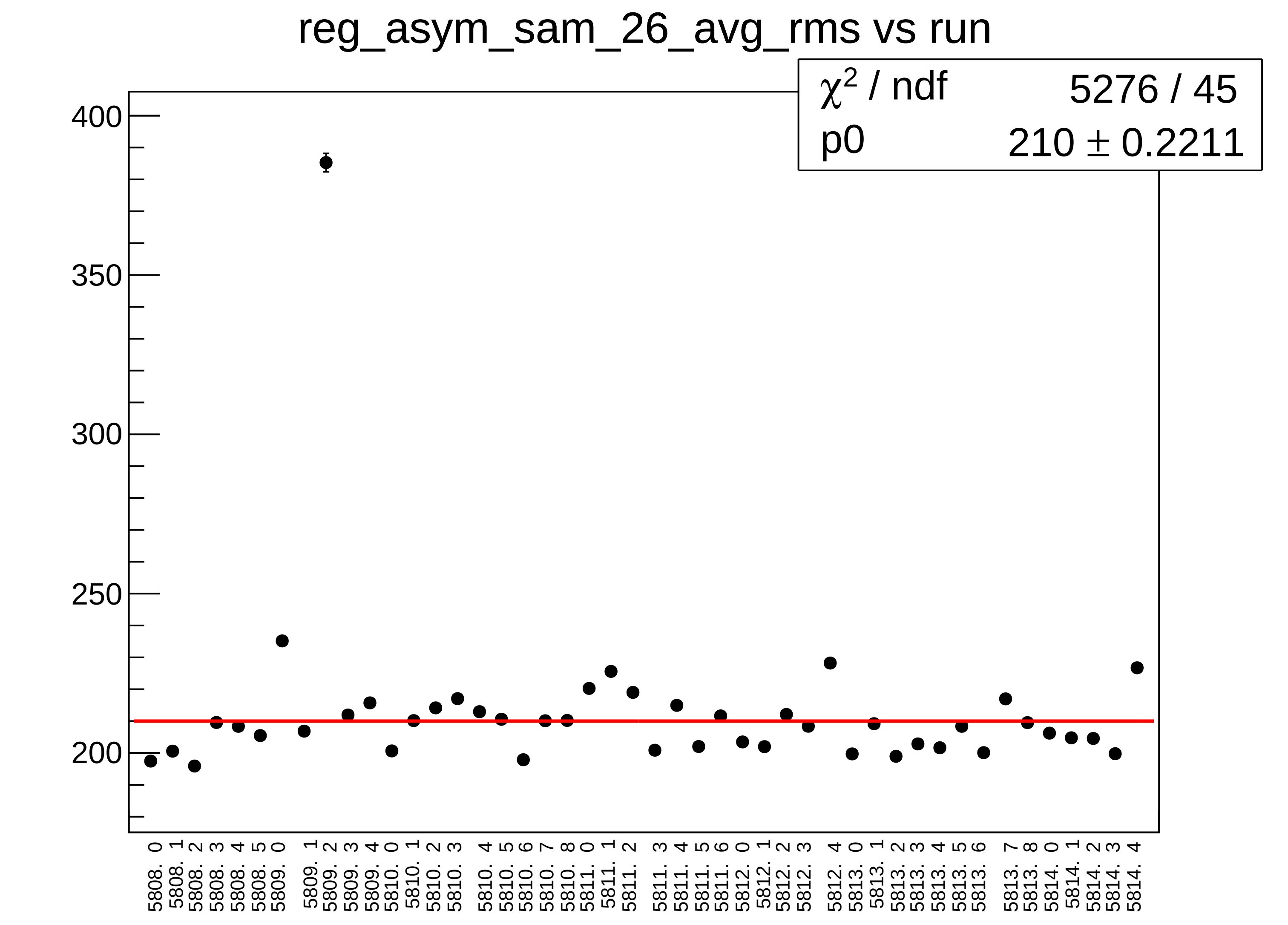
asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 9644 / 45
p0 153.9 ± 0.1625
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

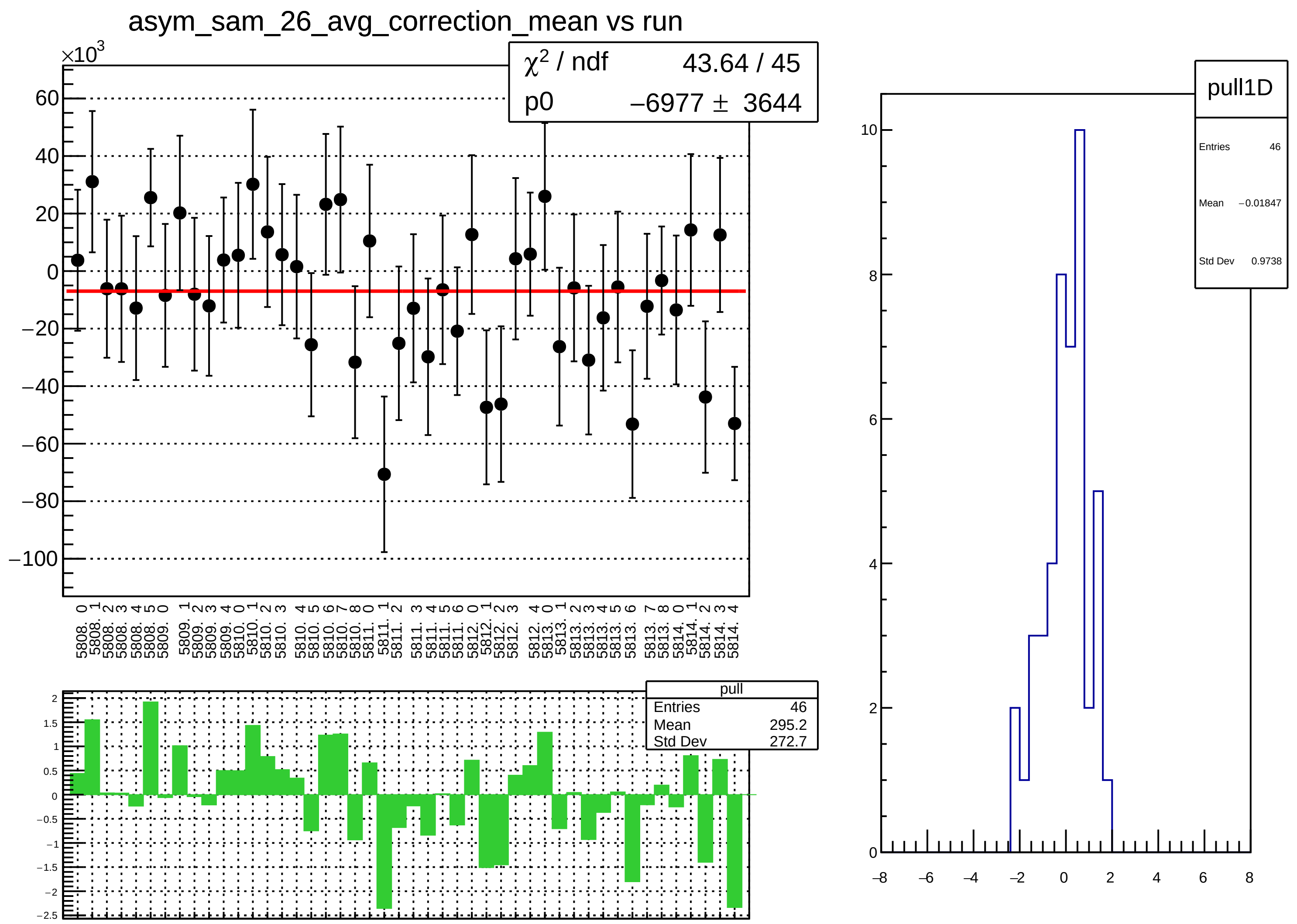

asym_sam_15_avg_mean vs run
χ2 / ndf 36.47 / 45
p0 137.6 ± 246.7
pull
Entries 46
Mean 260.3
Std Dev 238.5
pull1D
Entries 46
Mean 0.01903
Std Dev 0.8902


asym_sam_15_avg_rms vs run
χ2 / ndf 9375 / 45
p0 165.3 ± 0.1745
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

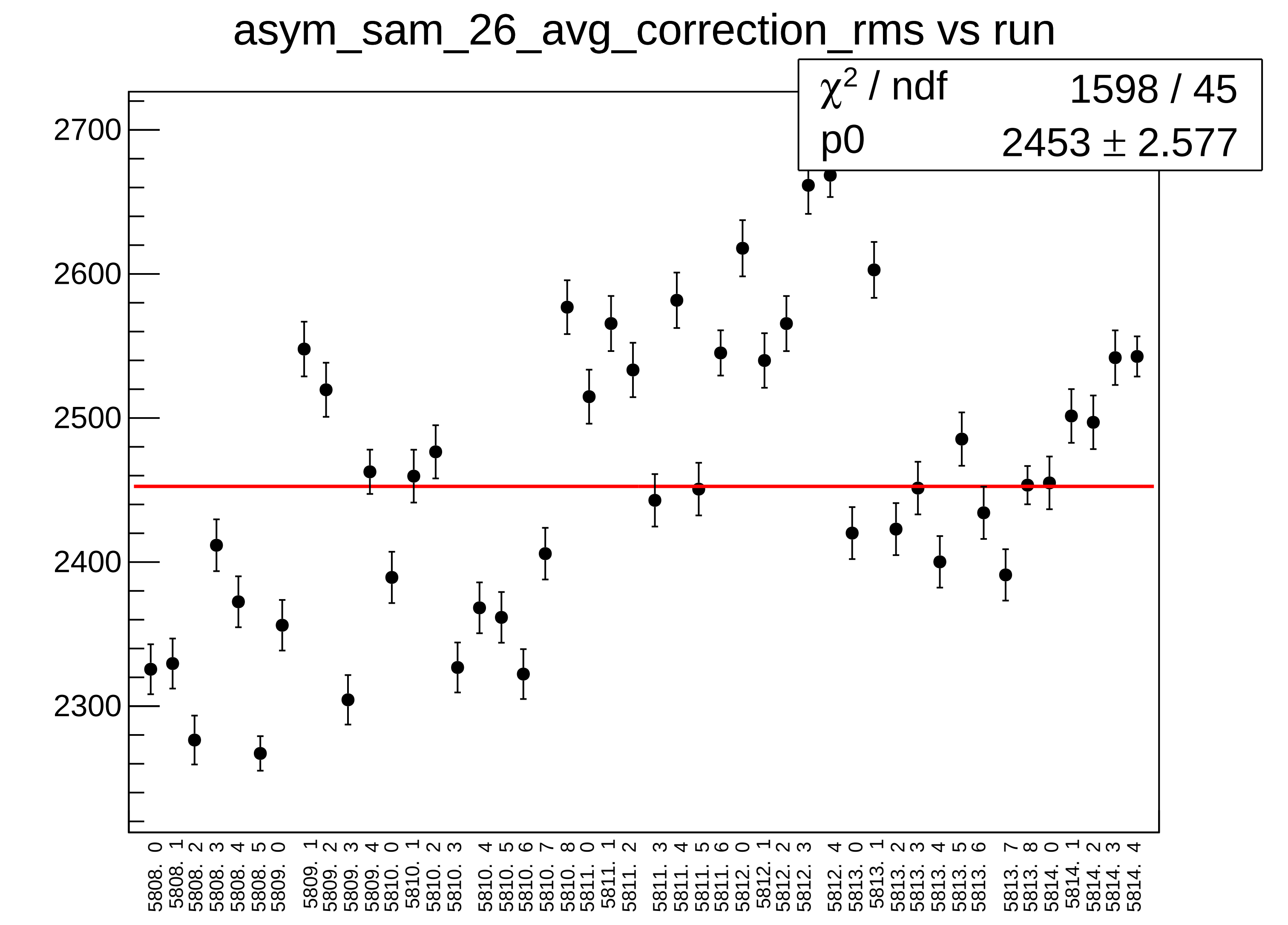


reg_asym_sam_26_avg_mean vs run
χ2 / ndf 44.85 / 45
p0 −474.8 ± 312.7
pull
Entries 46
Mean −182.4
Std Dev 202
pull1D
Entries 46
Mean −0.007004
Std Dev 0.9874

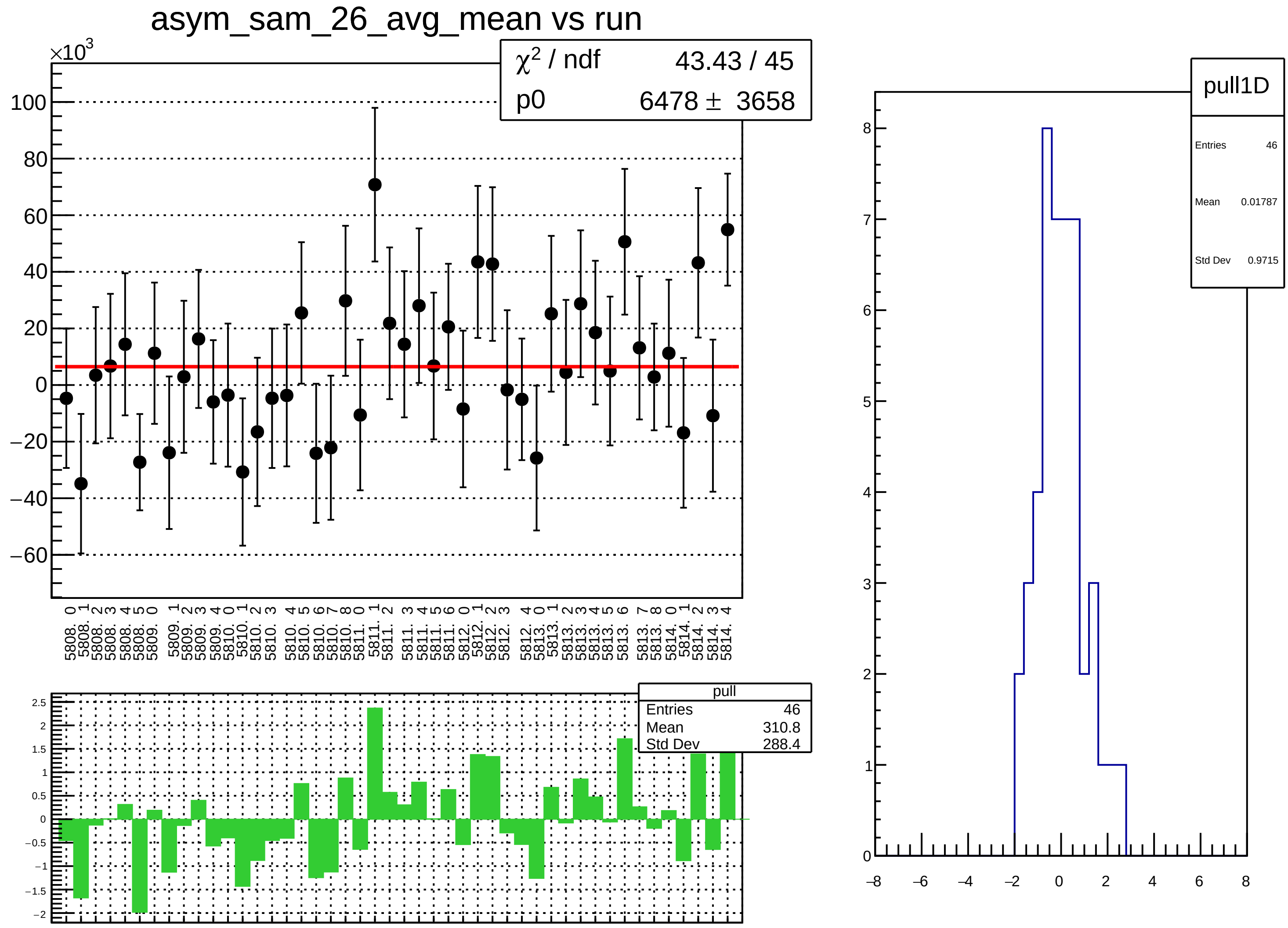

reg_asym_sam_26_avg_rms vs run
χ2 / ndf 5276 / 45
p0 210 ± 0.2211
400
350
300
250
200



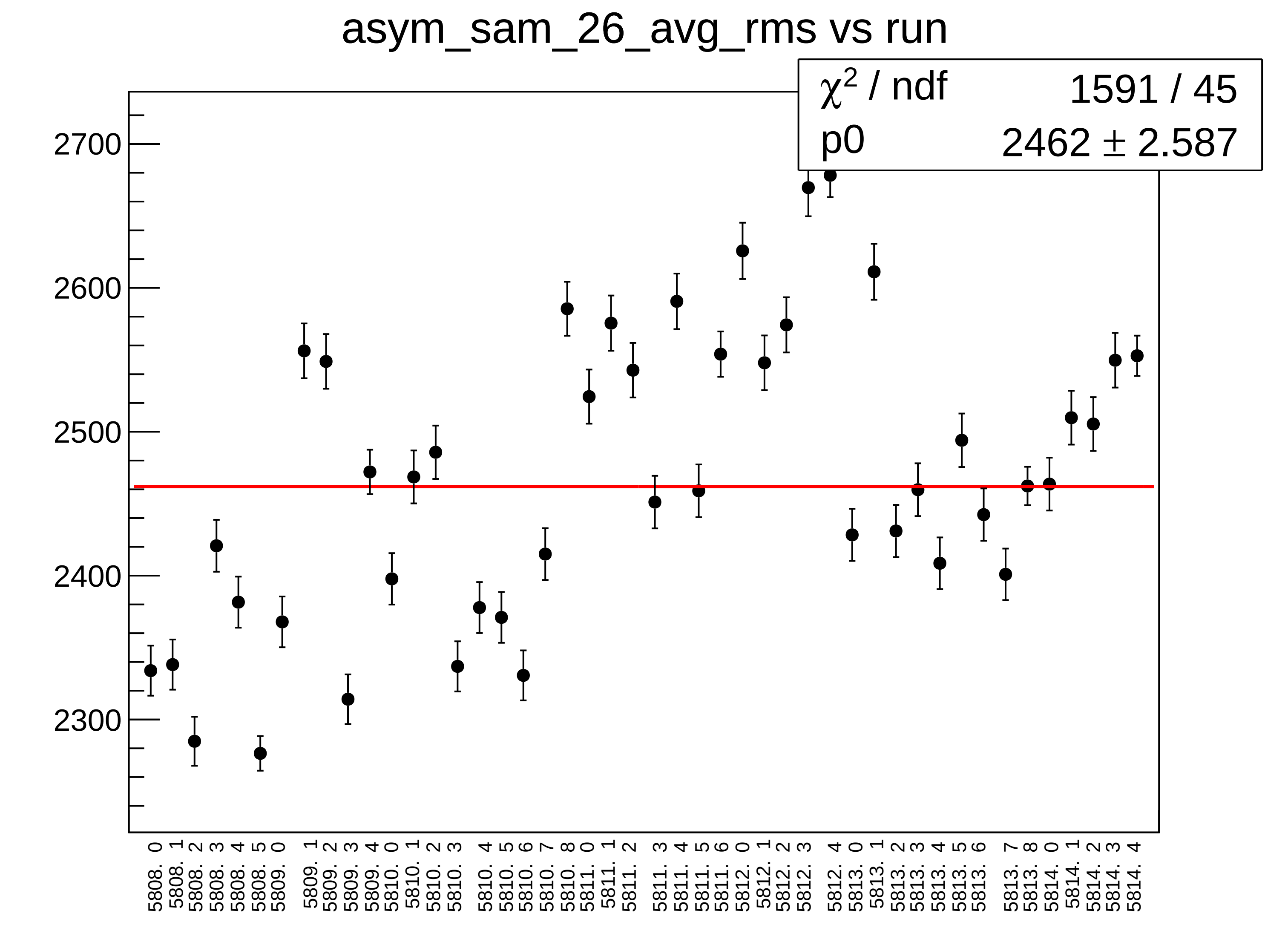
asym_sam_26_avg_correction_mean vs run
$\times10^3$
χ^2 / ndf 43.64 / 45
p0 −6977 ± 3644
pull
Entries 46
Mean 295.2
Std Dev 272.7
pull1D
Entries 46
Mean −0.01847
Std Dev 0.9738



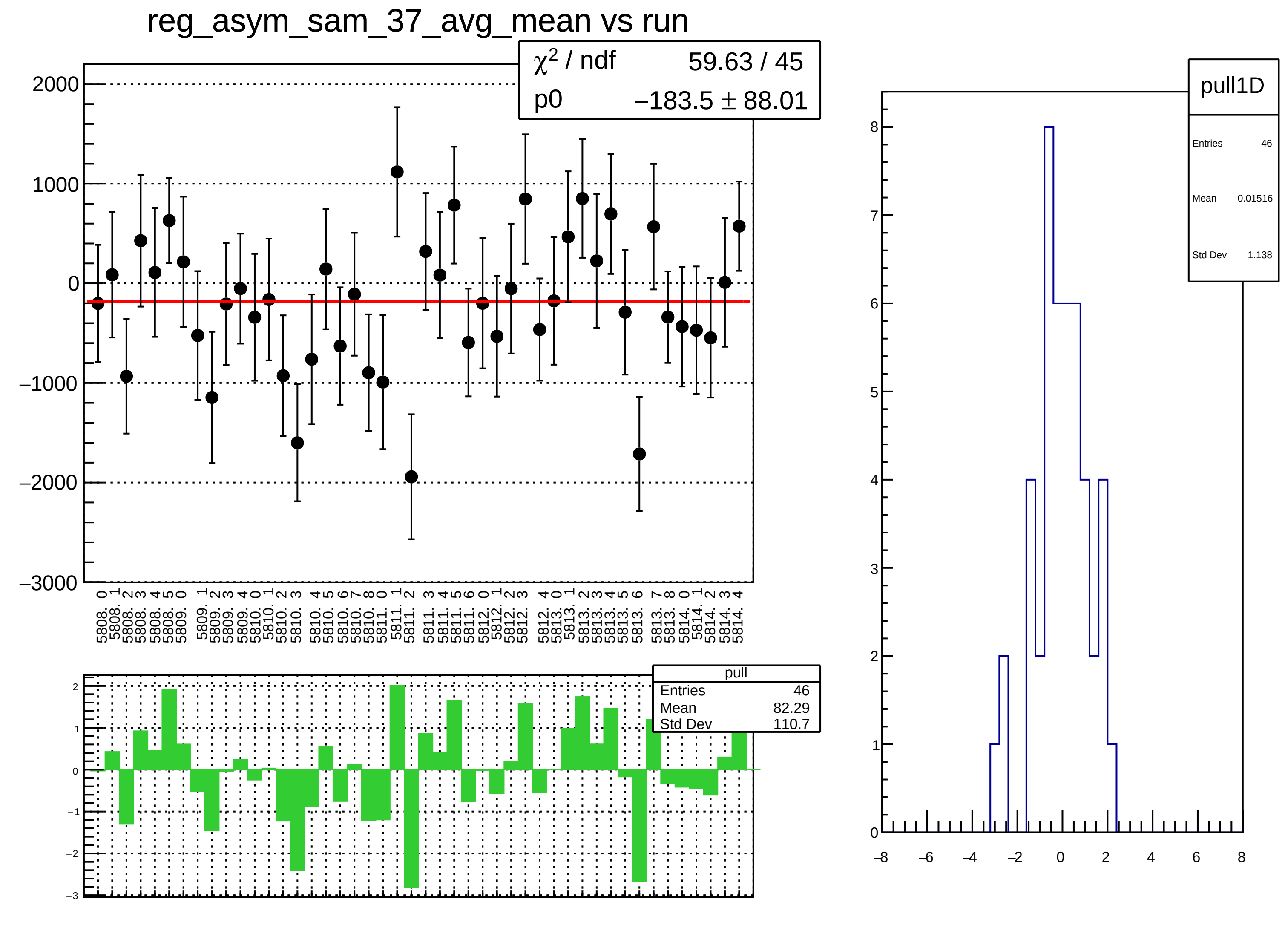
asym_sam_26_avg_correction_rms vs run
χ2 / ndf 1598 / 45
p0 2453 ± 2.577
2700
2600
2500
2400
2300



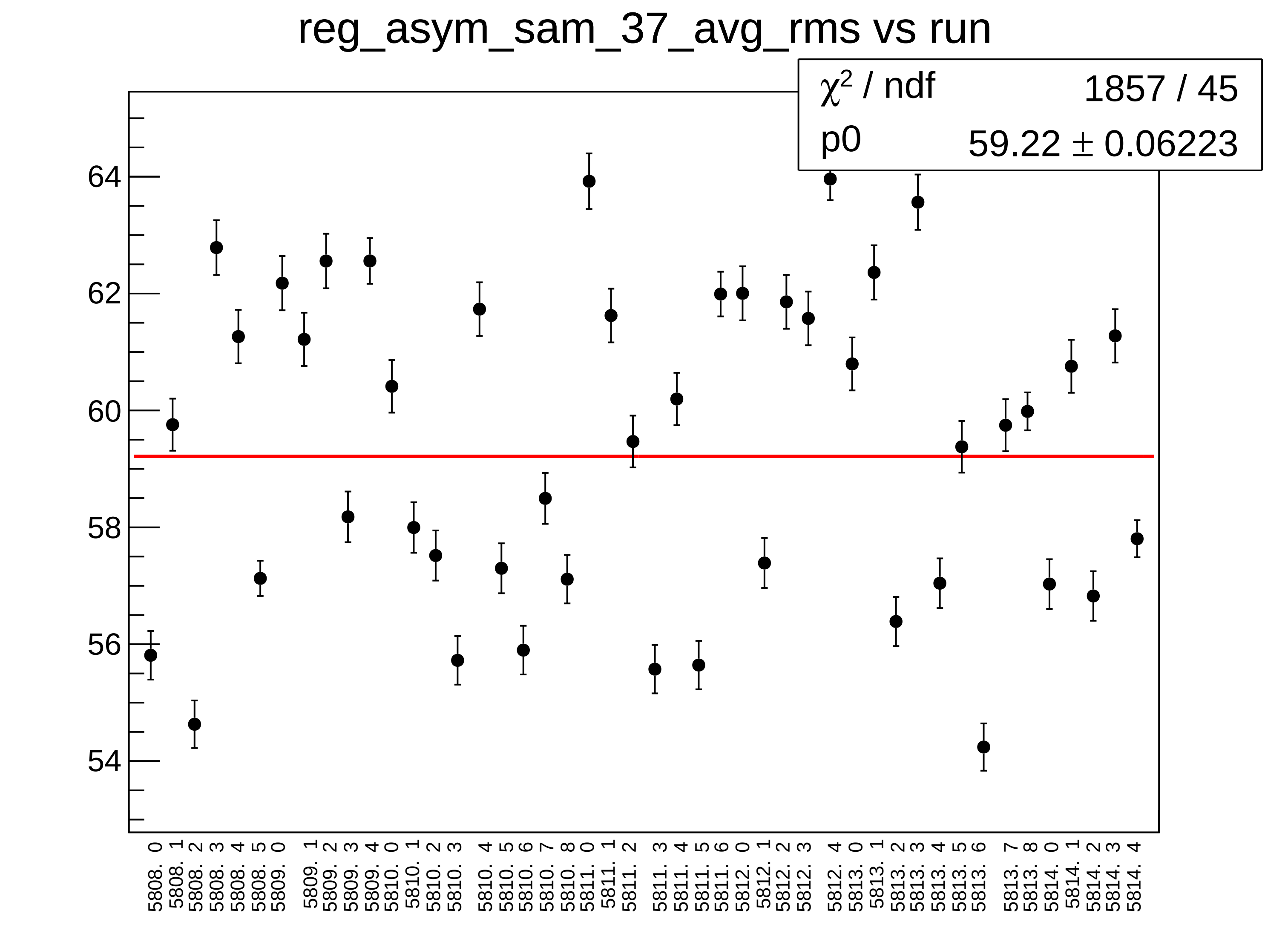
asym_sam_26_avg_mean vs run
χ2 / ndf 43.43 / 45
p0 6478 ± 3658
pull
Entries 46
Mean 310.8
Std Dev 288.4
pull1D
Entries 46
Mean 0.01787
Std Dev 0.9715



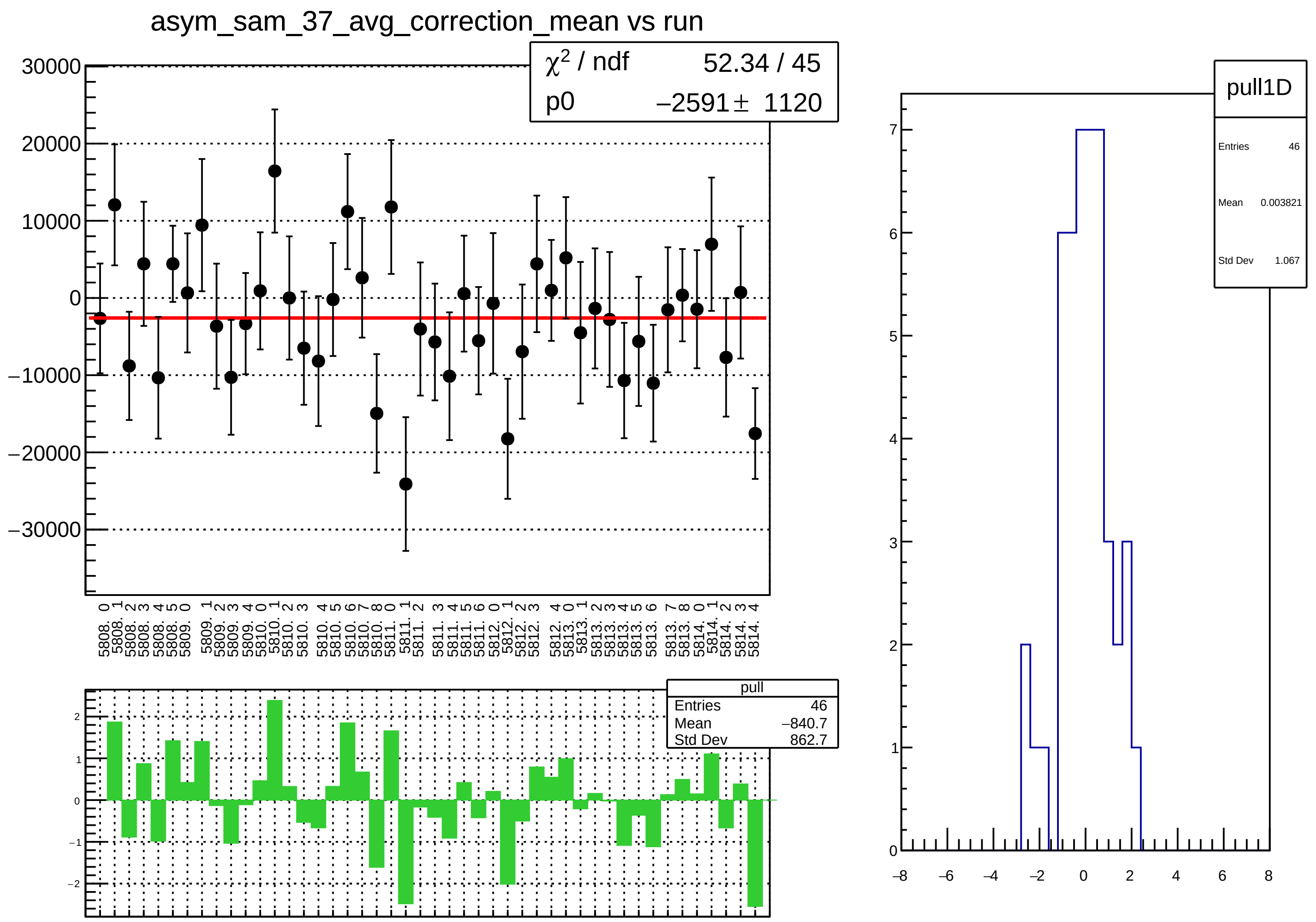
asym_sam_26_avg_rms vs run
χ^2 / ndf 1591 / 45
p0 2462 ± 2.587
2700
2600
2500
2400
2300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



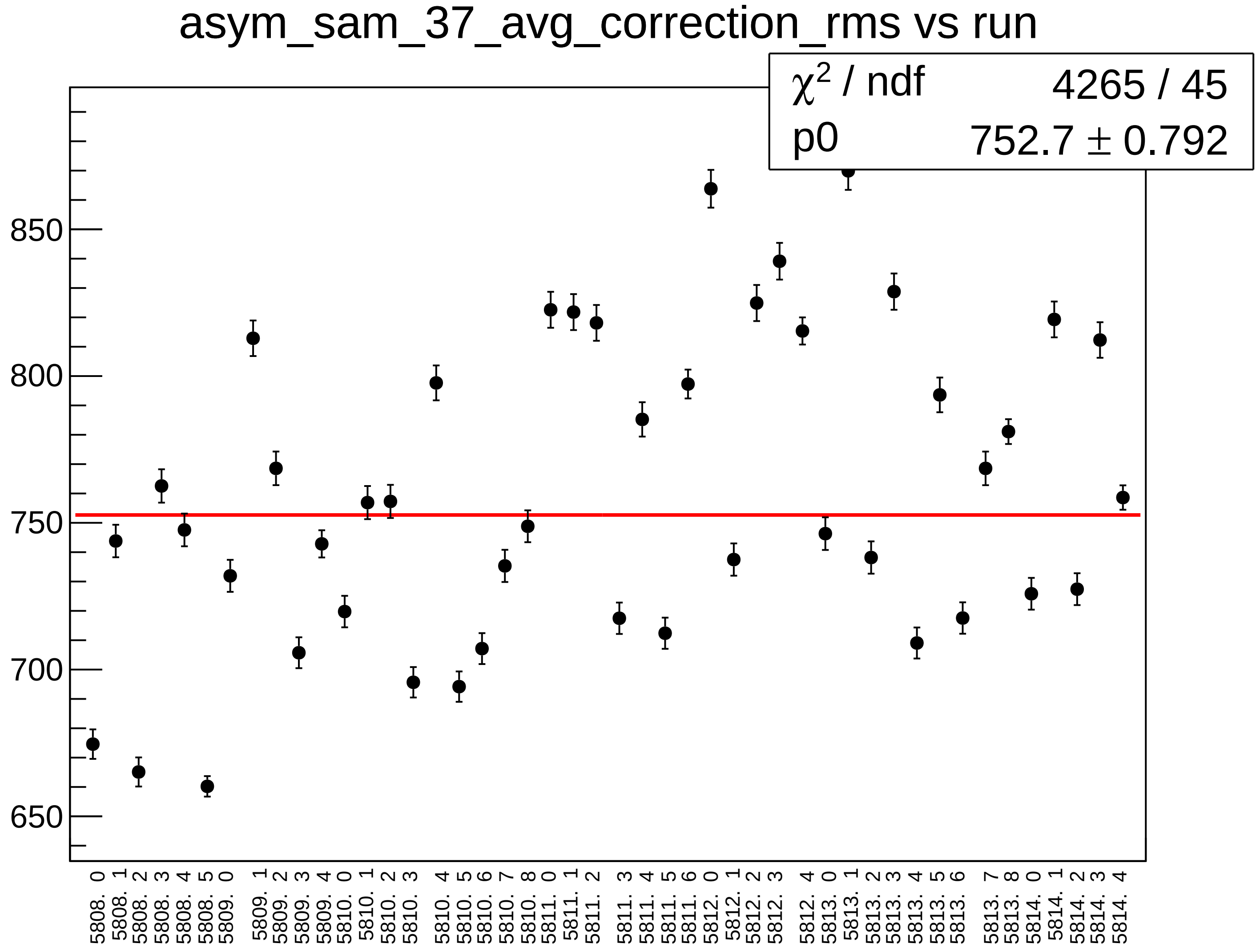
reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 59.63 / 45
p0 −183.5 ± 88.01
pull
Entries 46
Mean −82.29
Std Dev 110.7
pull1D
Entries 46
Mean −0.01516
Std Dev 1.138



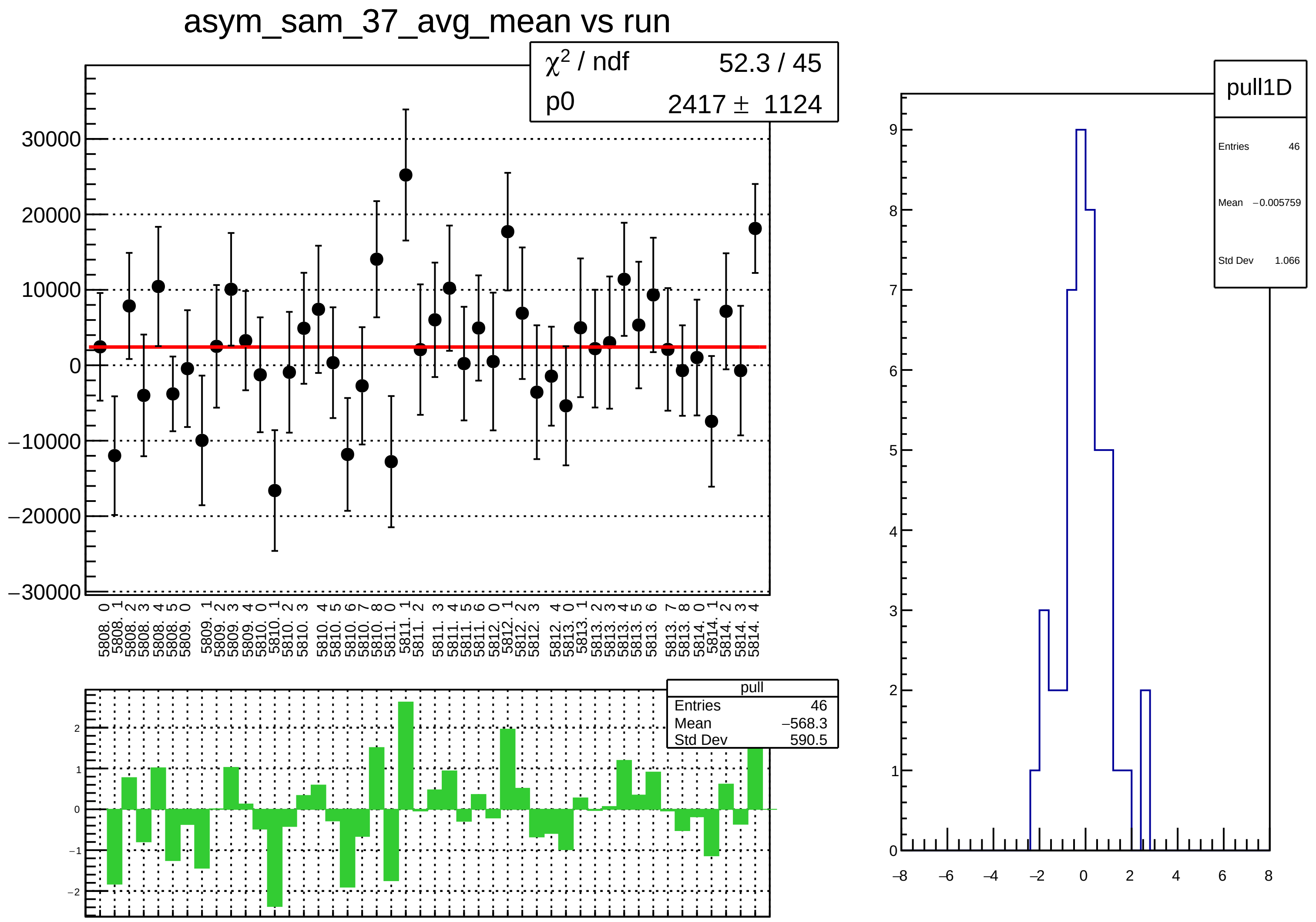
reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 1857 / 45
p0 59.22 ± 0.06223
64
62
60
58
56
54



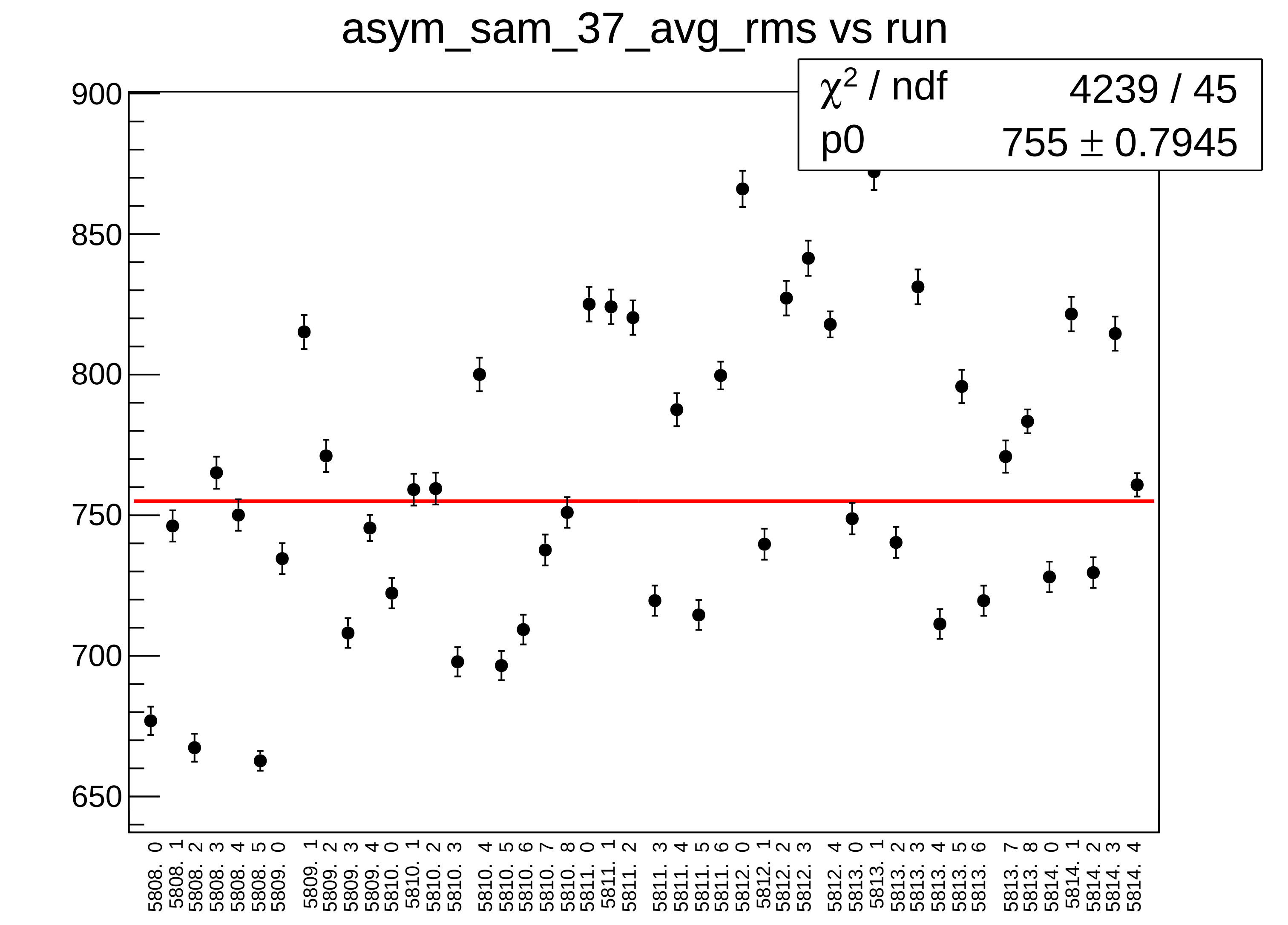
asym_sam_37_avg_correction_mean vs run
χ^2 / ndf 52.34 / 45
p0 −2591 ± 1120
pull
Entries 46
Mean −840.7
Std Dev 862.7
pull1D
Entries 46
Mean 0.003821
Std Dev 1.067



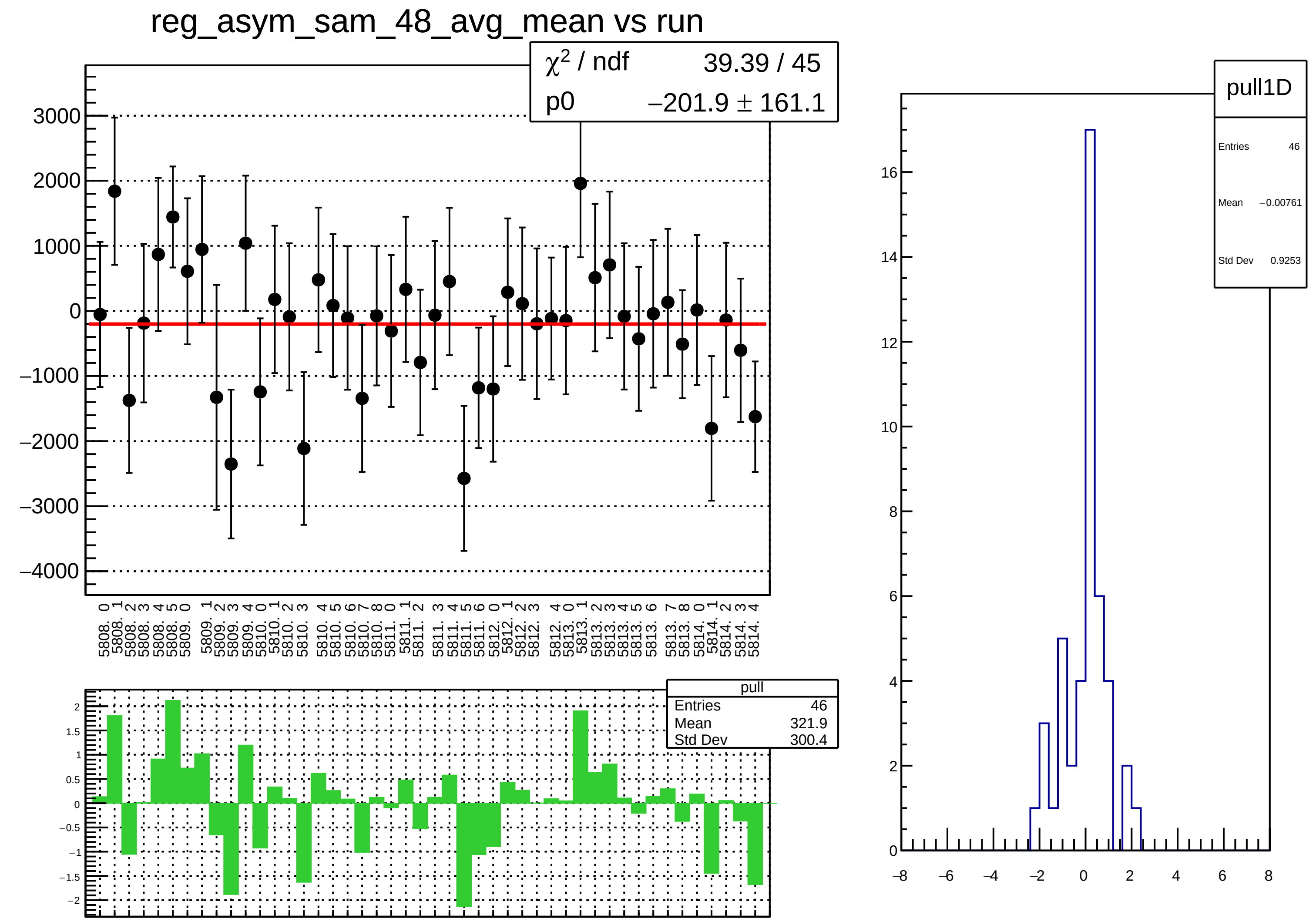
asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 4265 / 45
p0 752.7 ± 0.792
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

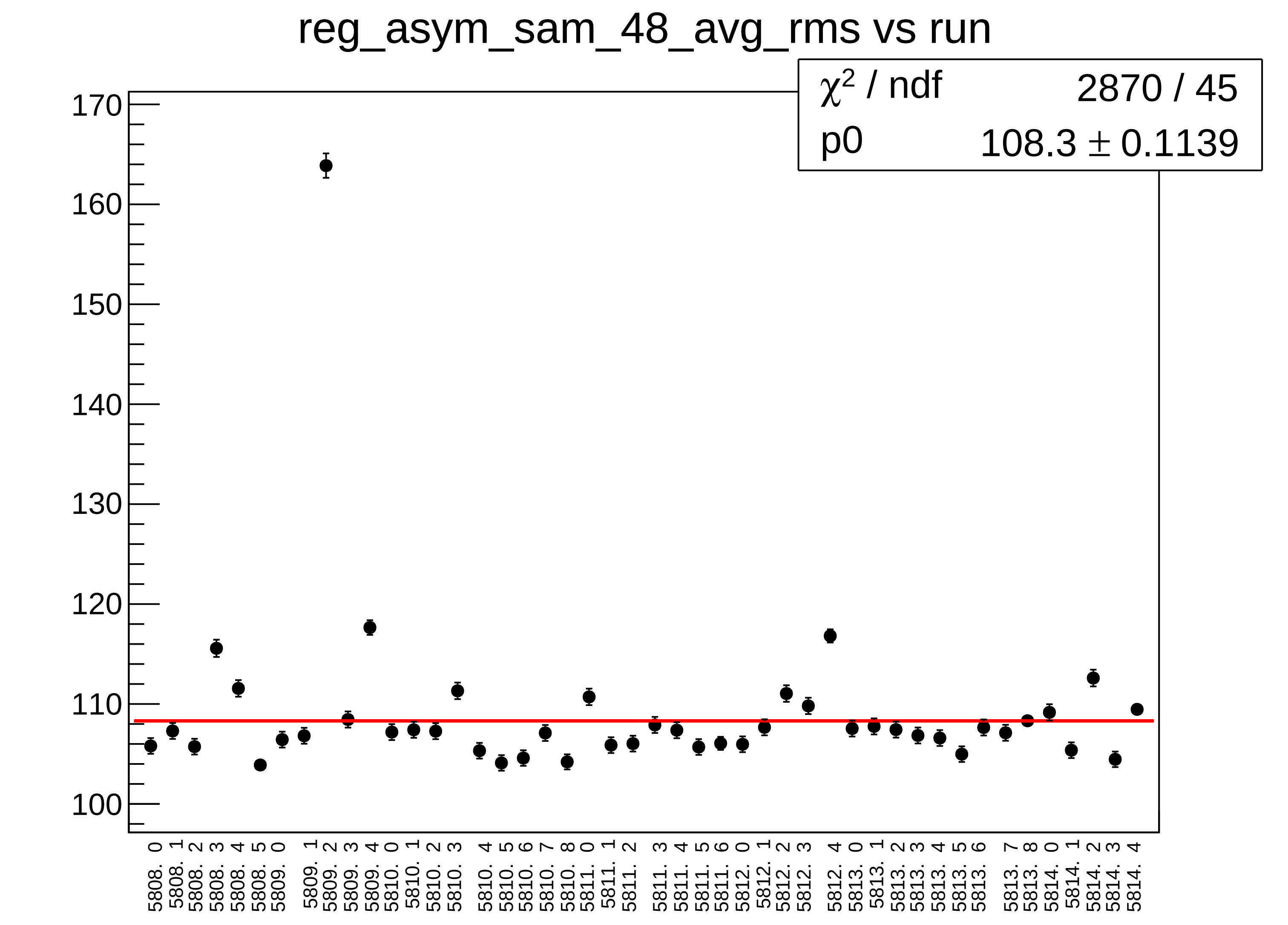


asym_sam_37_avg_mean vs run
χ^2 / ndf 52.3 / 45
p0 2417 ± 1124
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −568.3
Std Dev 590.5
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.005759
Std Dev 1.066
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

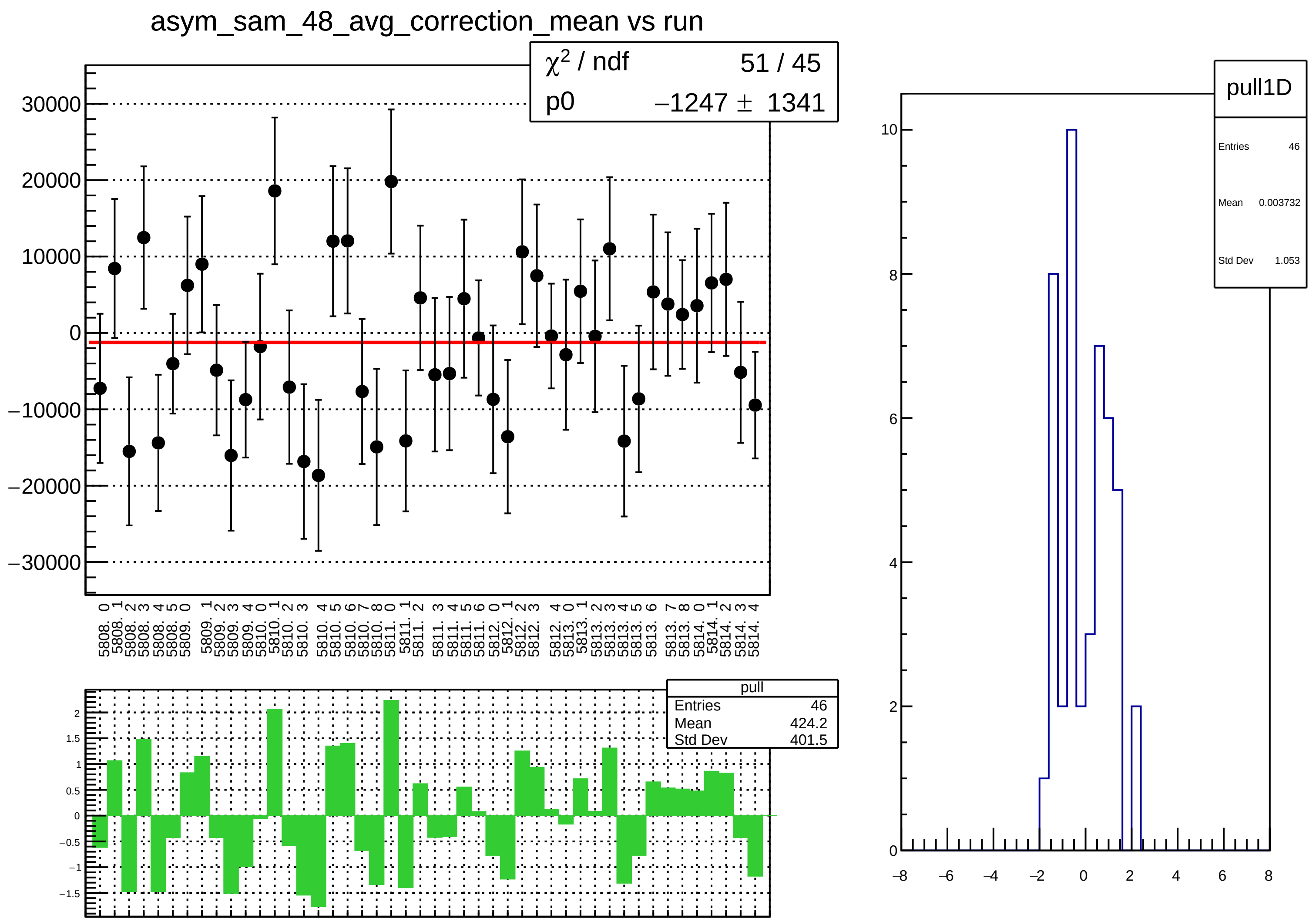


asym_sam_37_avg_rms vs run
χ² / ndf 4239 / 45
p0 755 ± 0.7945
900
850
800
750
700
650
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
5813.1
5813.2
5813.3
5813.4
5813.5
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4

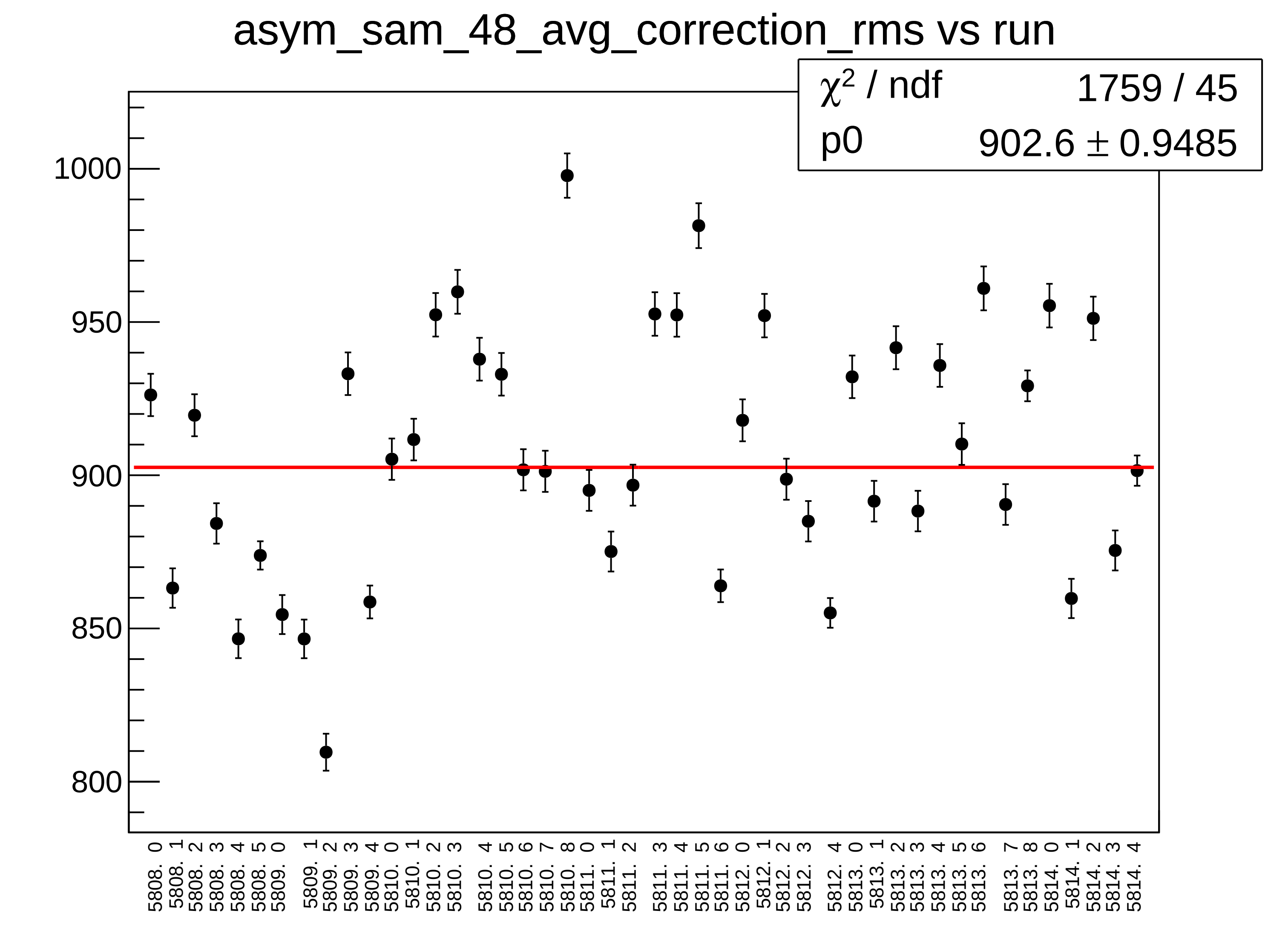

reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 39.39 / 45
p0 −201.9 ± 161.1
pull
Entries 46
Mean 321.9
Std Dev 300.4
pull1D
Entries 46
Mean −0.00761
Std Dev 0.9253



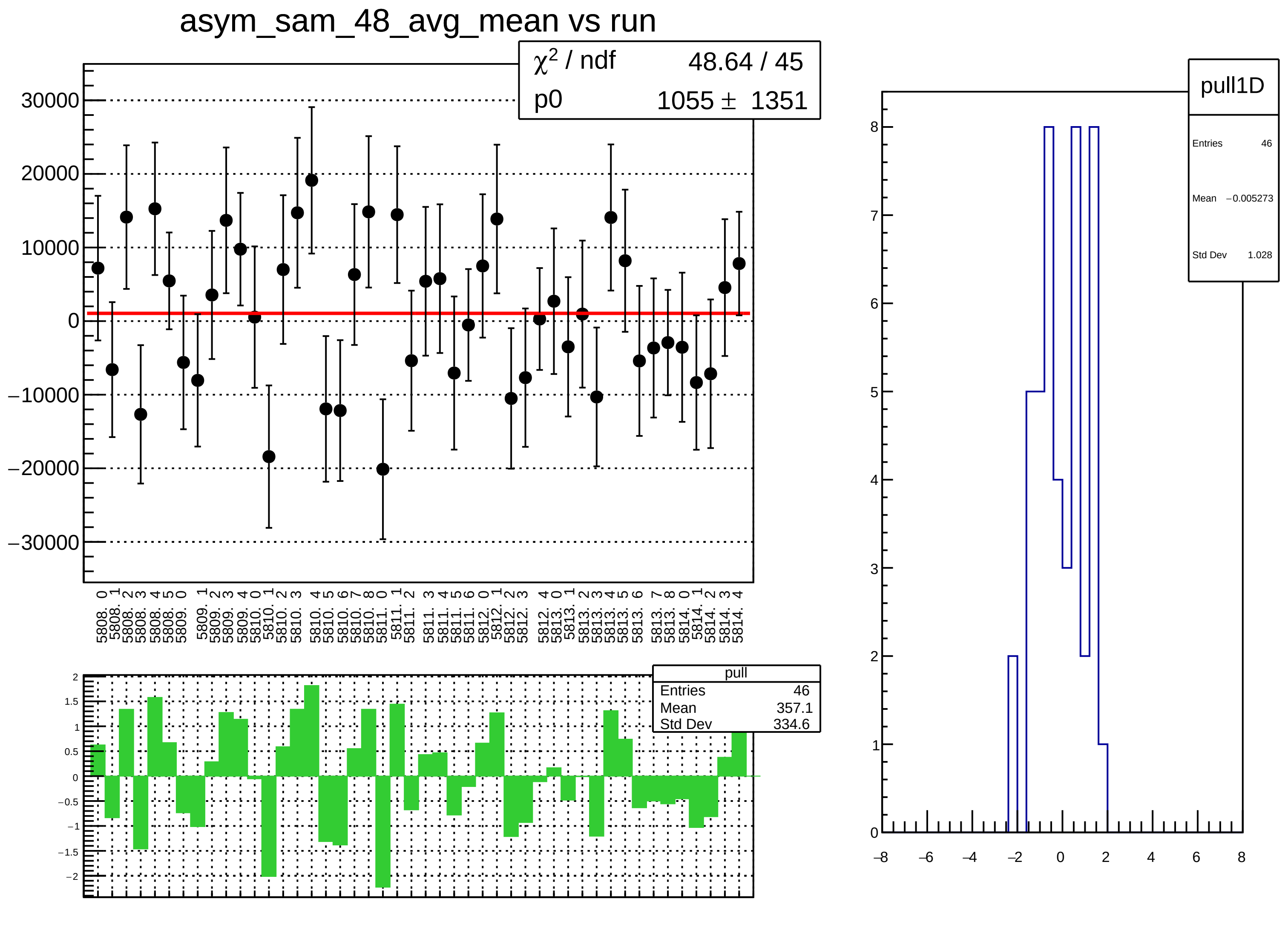
reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 2870 / 45
p0 108.3 ± 0.1139
100
110
120
130
140
150
160
170
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



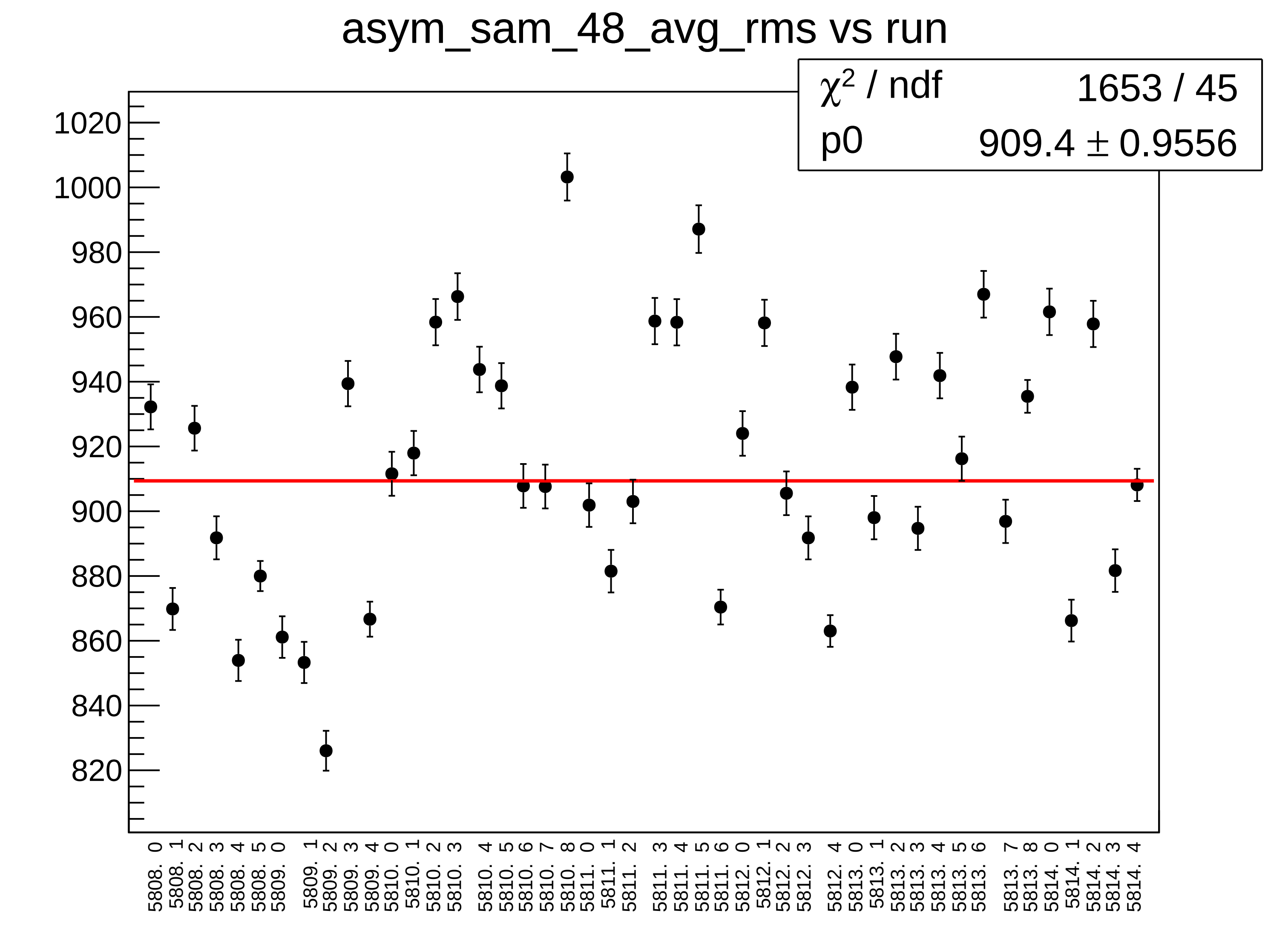
asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 51 / 45
p0 −1247 ± 1341
pull
Entries 46
Mean 424.2
Std Dev 401.5
pull1D
Entries 46
Mean 0.003732
Std Dev 1.053



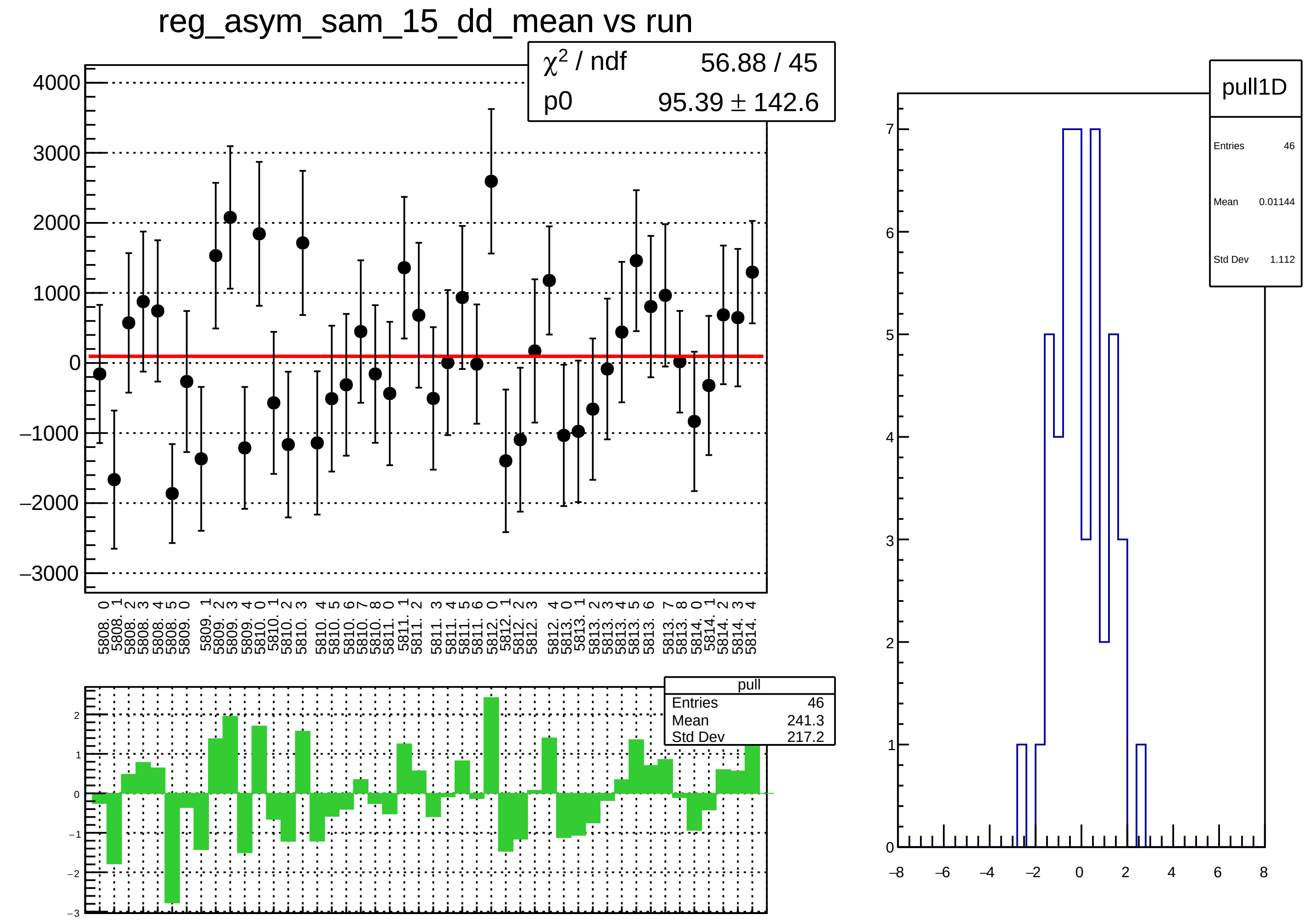
asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 1759 / 45
p0 902.6 ± 0.9485
1000
950
900
850
800

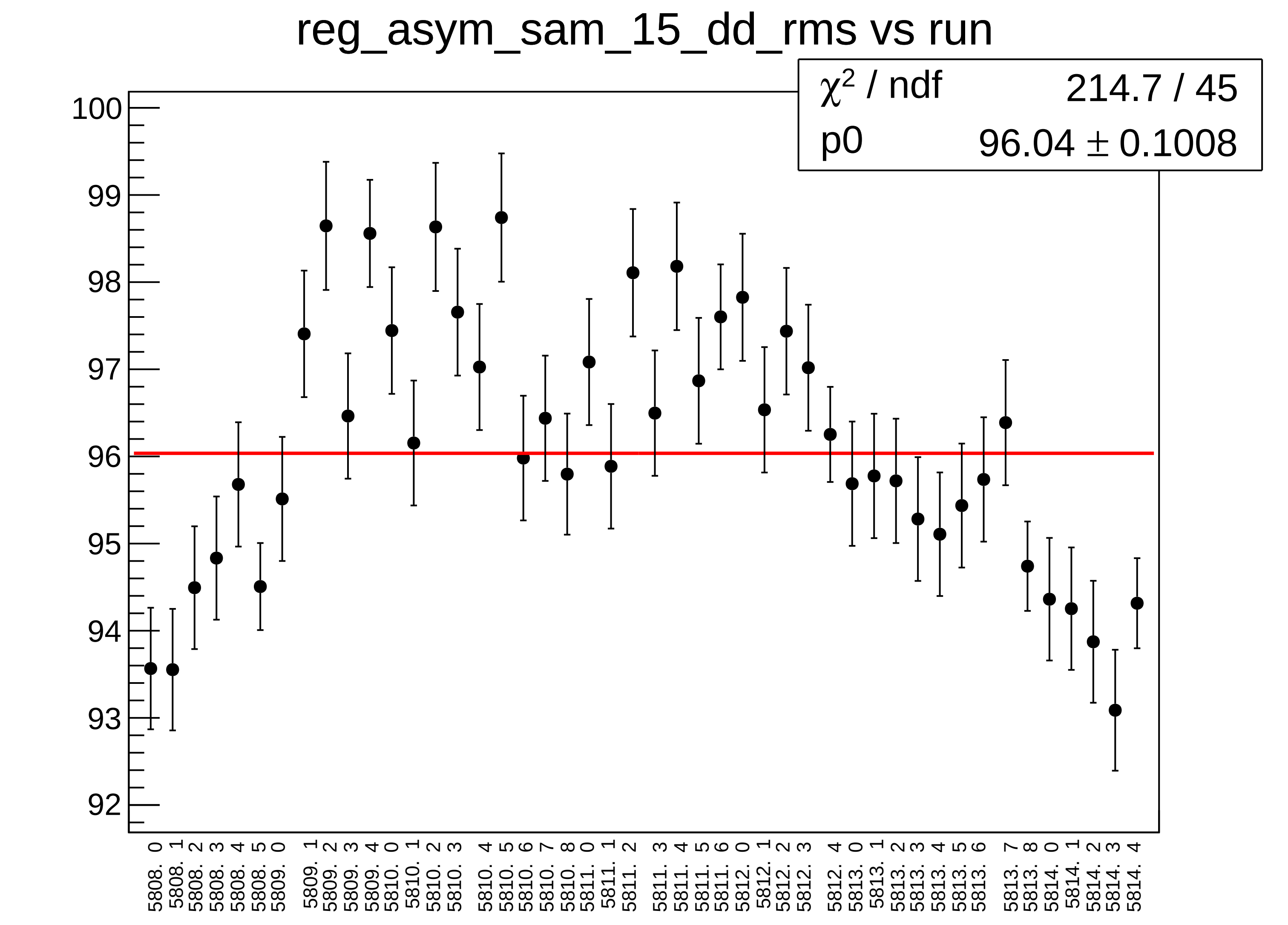


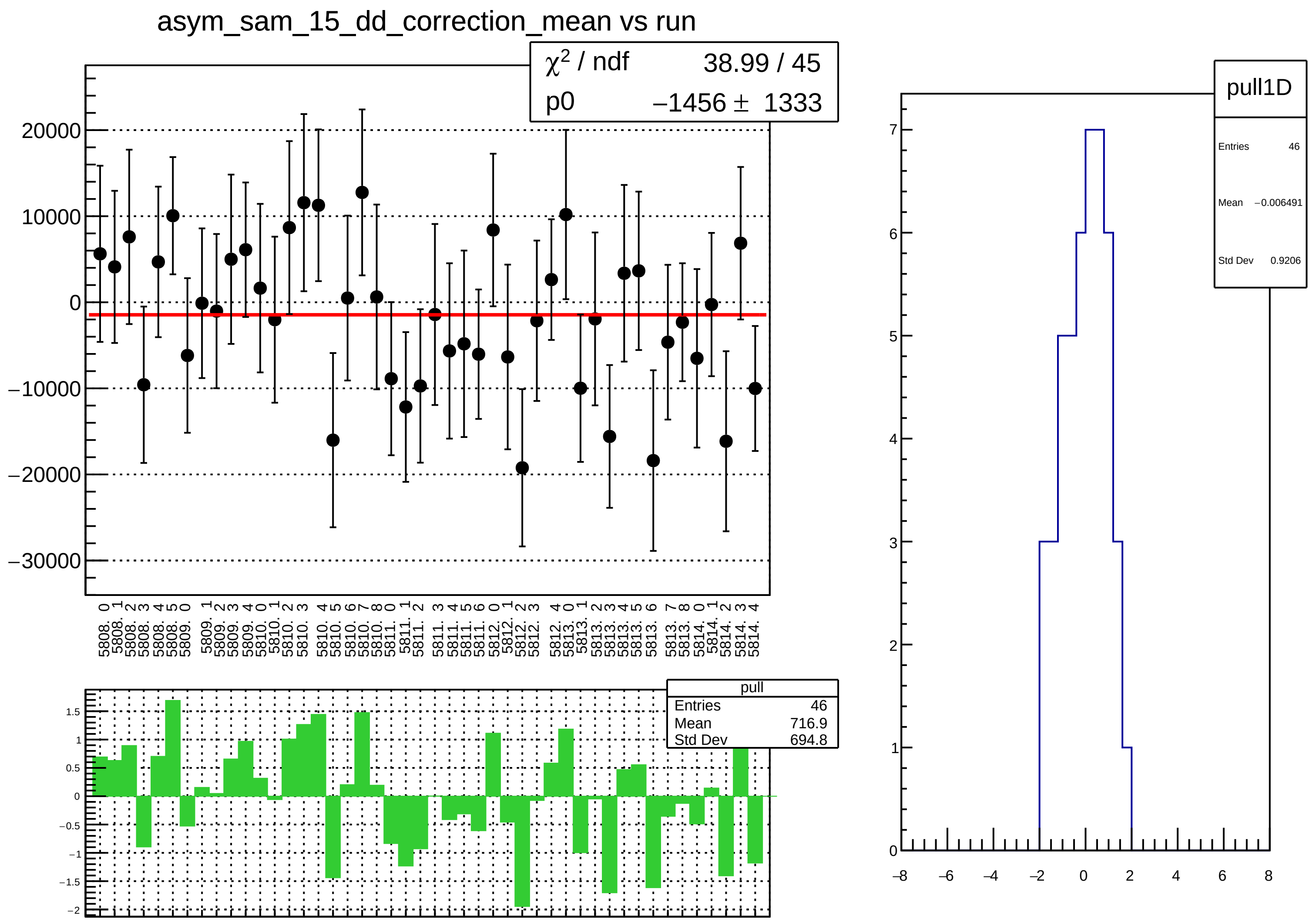
asym_sam_48_avg_mean vs run
χ^2 / ndf 48.64 / 45
p0 1055 ± 1351
pull
Entries 46
Mean 357.1
Std Dev 334.6
pull1D
Entries 46
Mean −0.005273
Std Dev 1.028



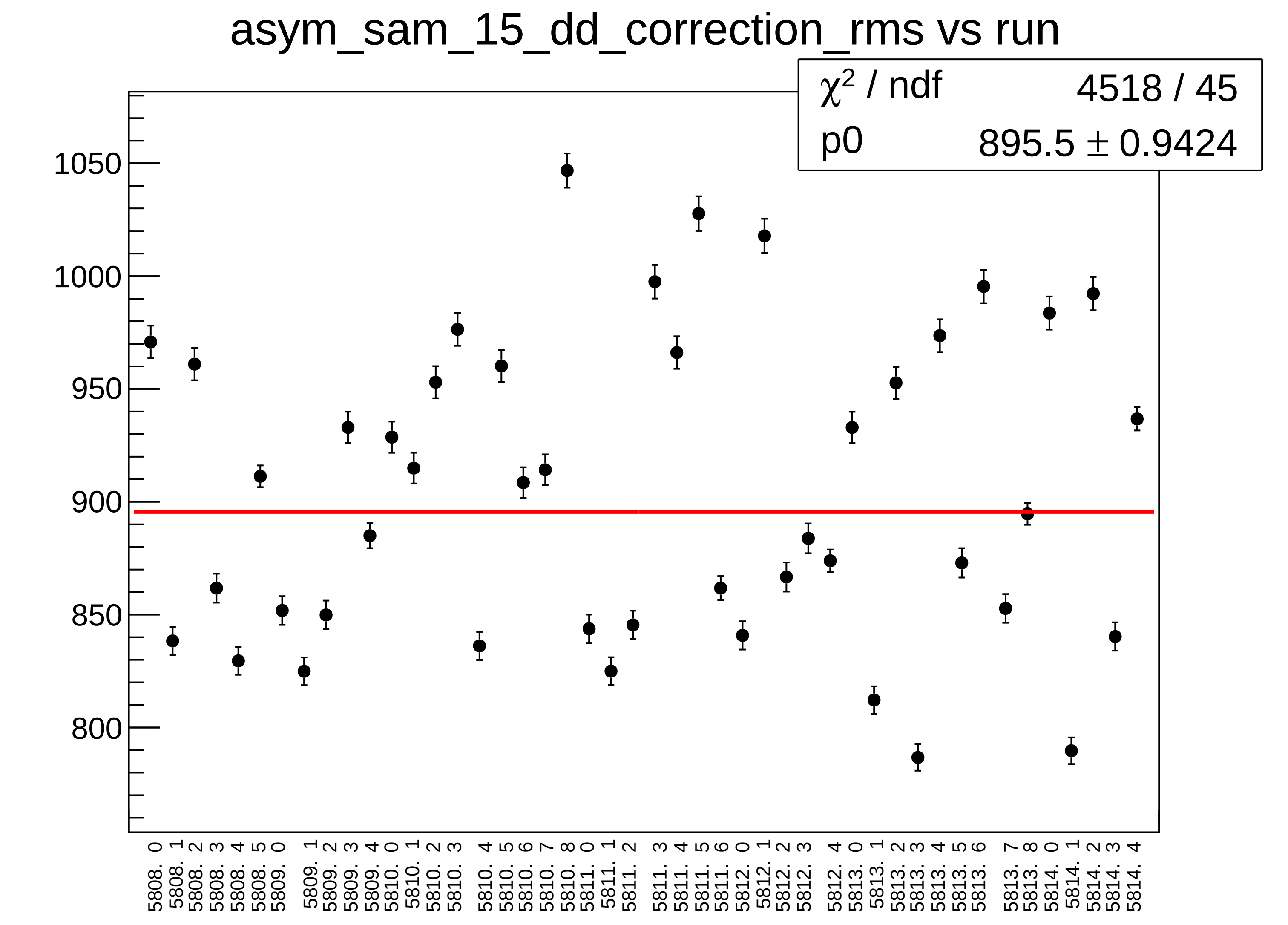
asym_sam_48_avg_rms vs run
χ^2 / ndf 1653 / 45
p0 909.4 ± 0.9556
1020
1000
980
960
940
920
900
880
860
840
820
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 56.88 / 45
p0 95.39 ± 142.6
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 241.3
Std Dev 217.2
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.01144
Std Dev 1.112
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 214.7 / 45
p0 96.04 ± 0.1008
100
99
98
97
96
95
94
93
92
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_15_dd_correction_mean vs run
χ2 / ndf 38.99 / 45
p0 −1456 ± 1333
pull
Entries 46
Mean 716.9
Std Dev 694.8
pull1D
Entries 46
Mean −0.006491
Std Dev 0.9206



asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 4518 / 45
p0 895.5 ± 0.9424
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
5813. 3
5813. 4
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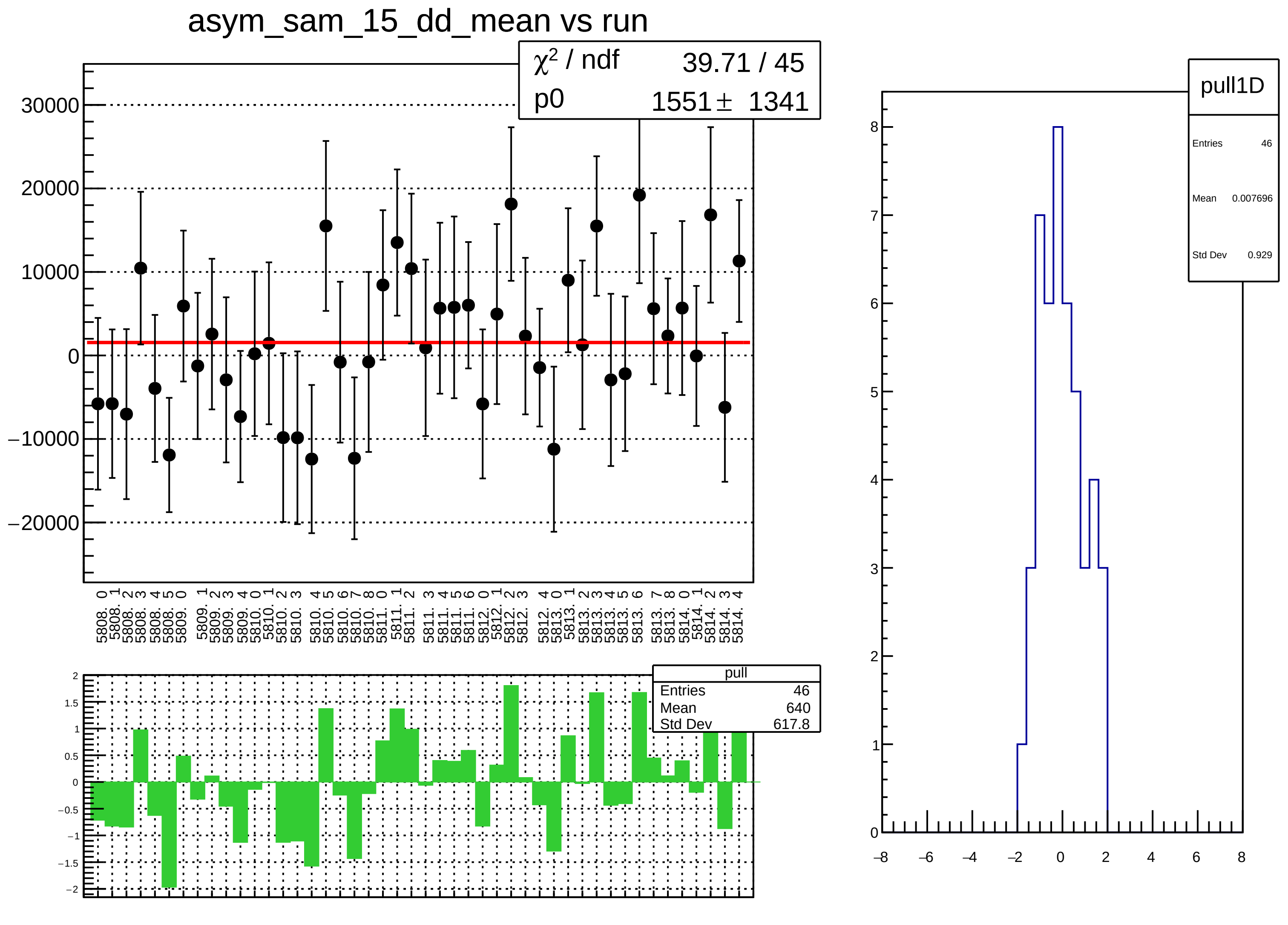
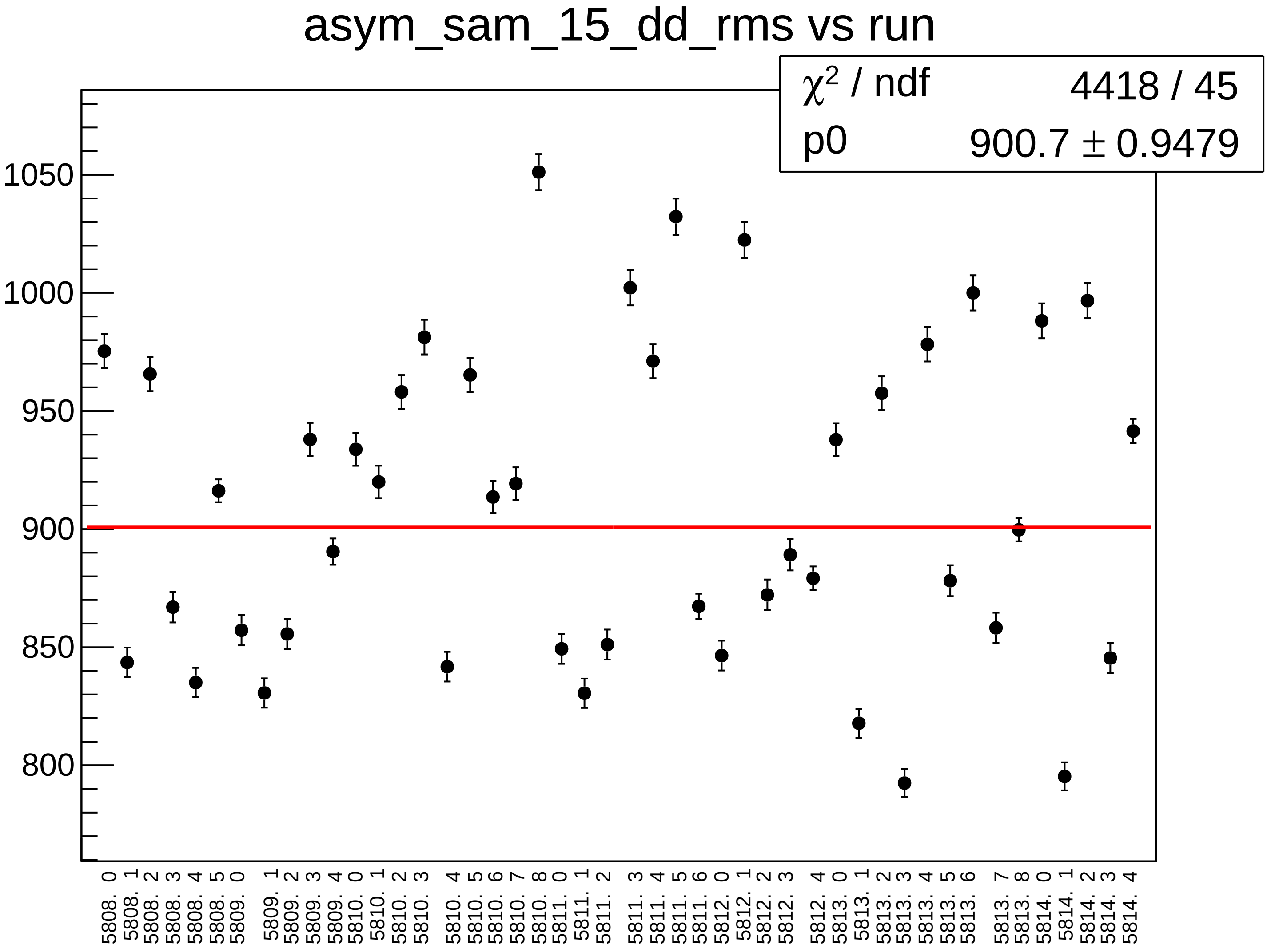
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_15_dd_mean vs run
χ2 / ndf 39.71 / 45
p0 1551 ± 1341
pull
Entries 46
Mean 640
Std Dev 617.8
pull1D
Entries 46
Mean 0.007696
Std Dev 0.929



asym_sam_15_dd_rms vs run
χ2 / ndf 4418 / 45
p0 900.7 ± 0.9479
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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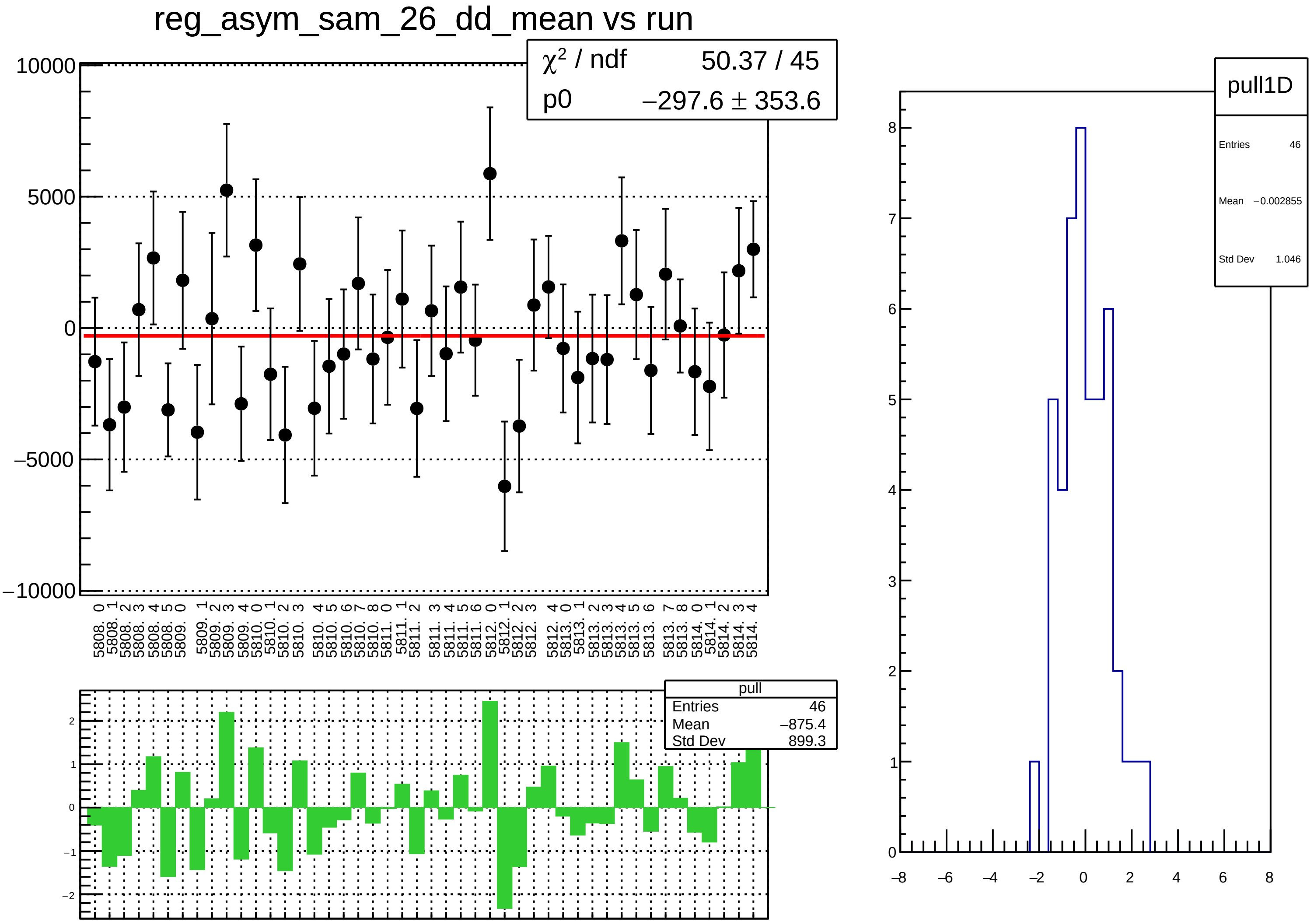
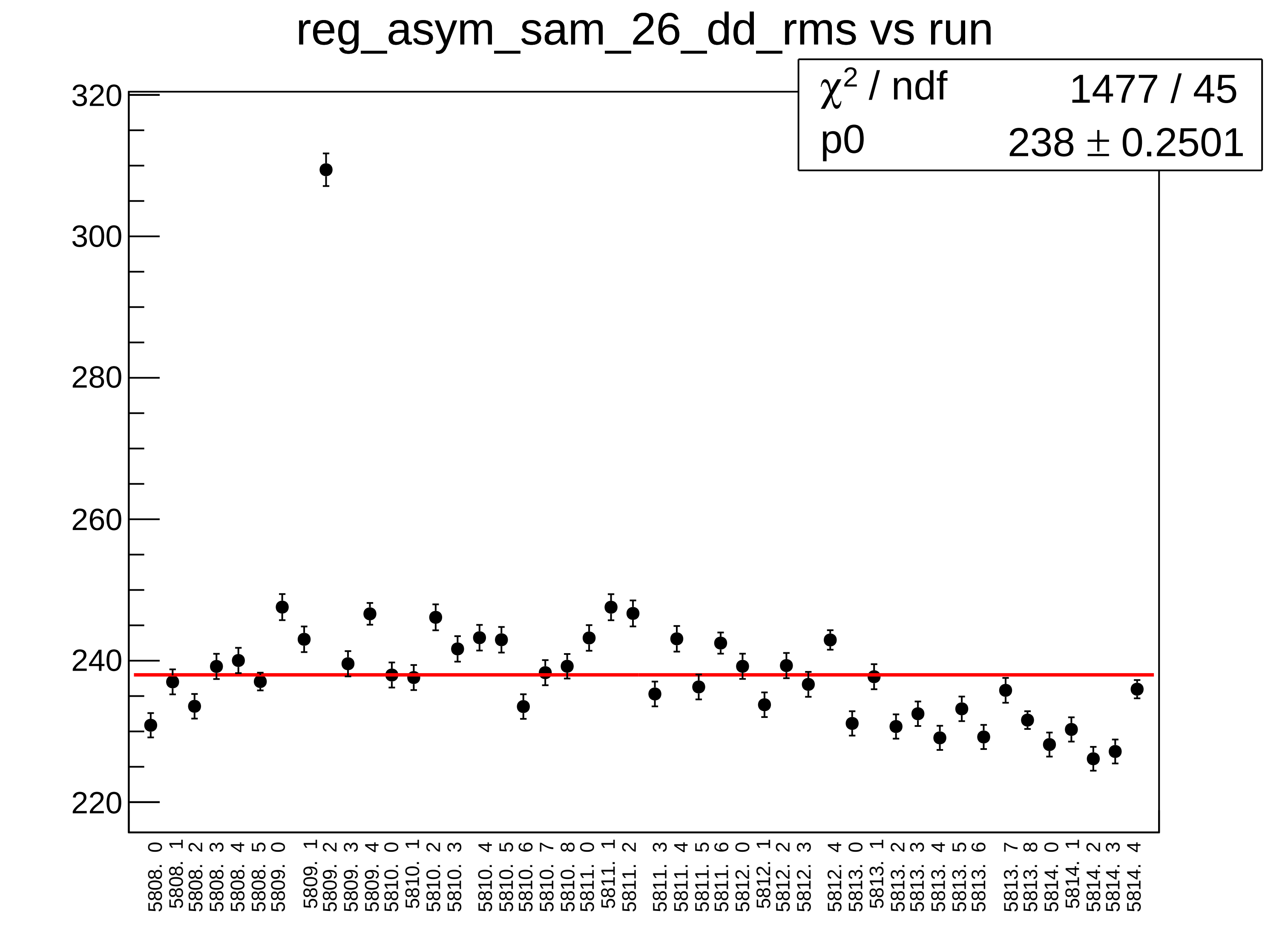
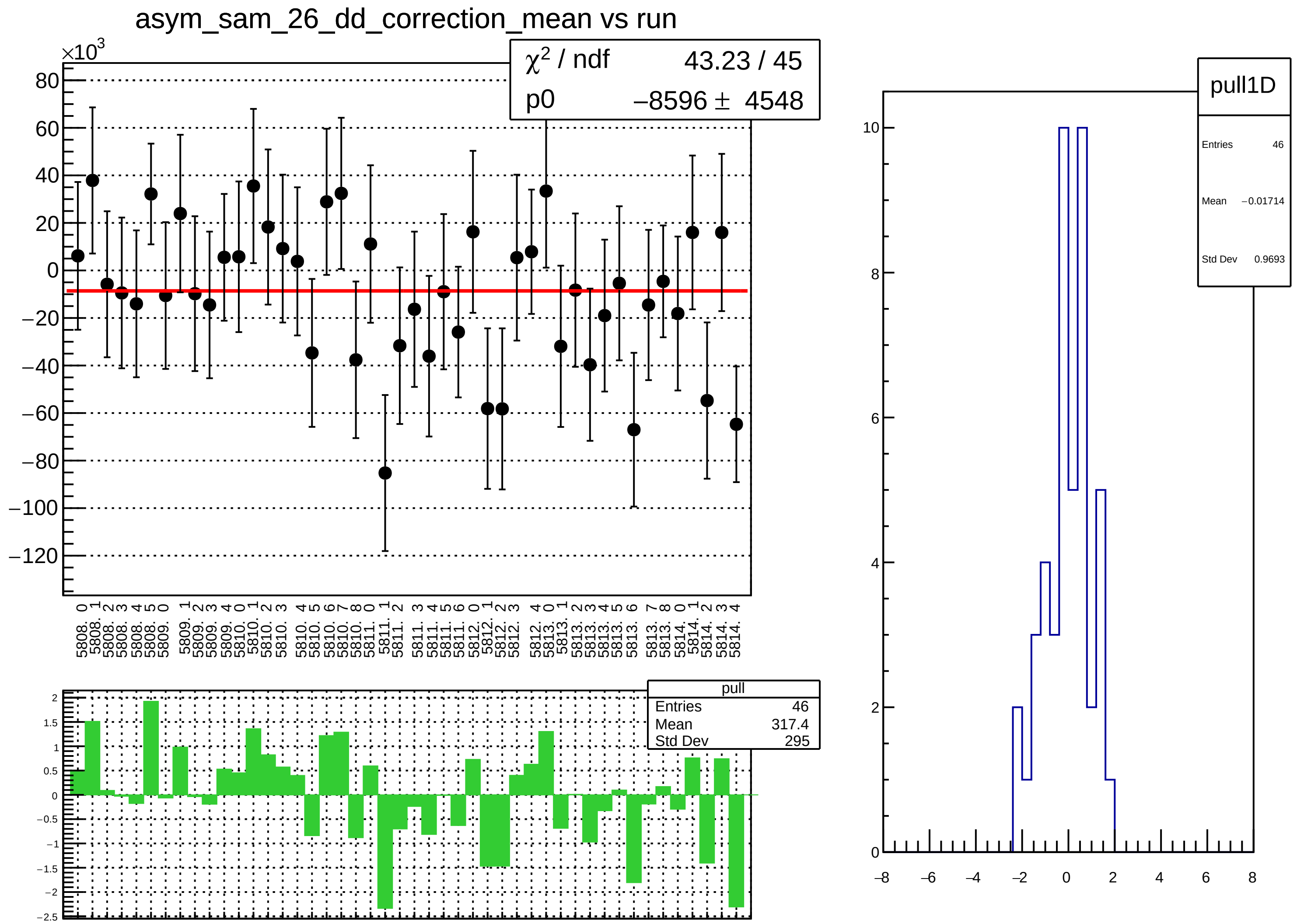
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



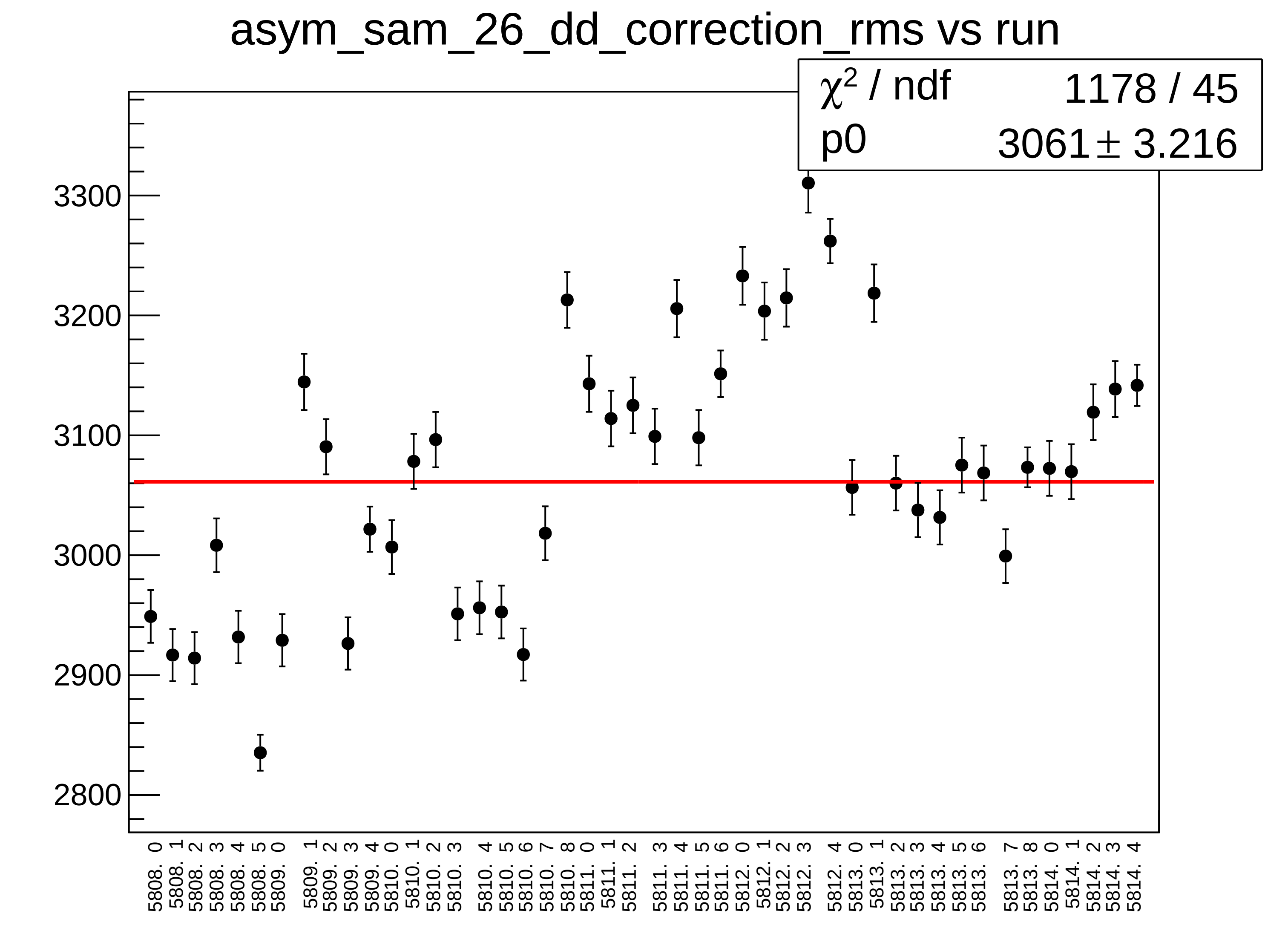
reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 50.37 / 45
p0 −297.6 ± 353.6
pull
Entries 46
Mean −875.4
Std Dev 899.3
pull1D
Entries 46
Mean −0.002855
Std Dev 1.046

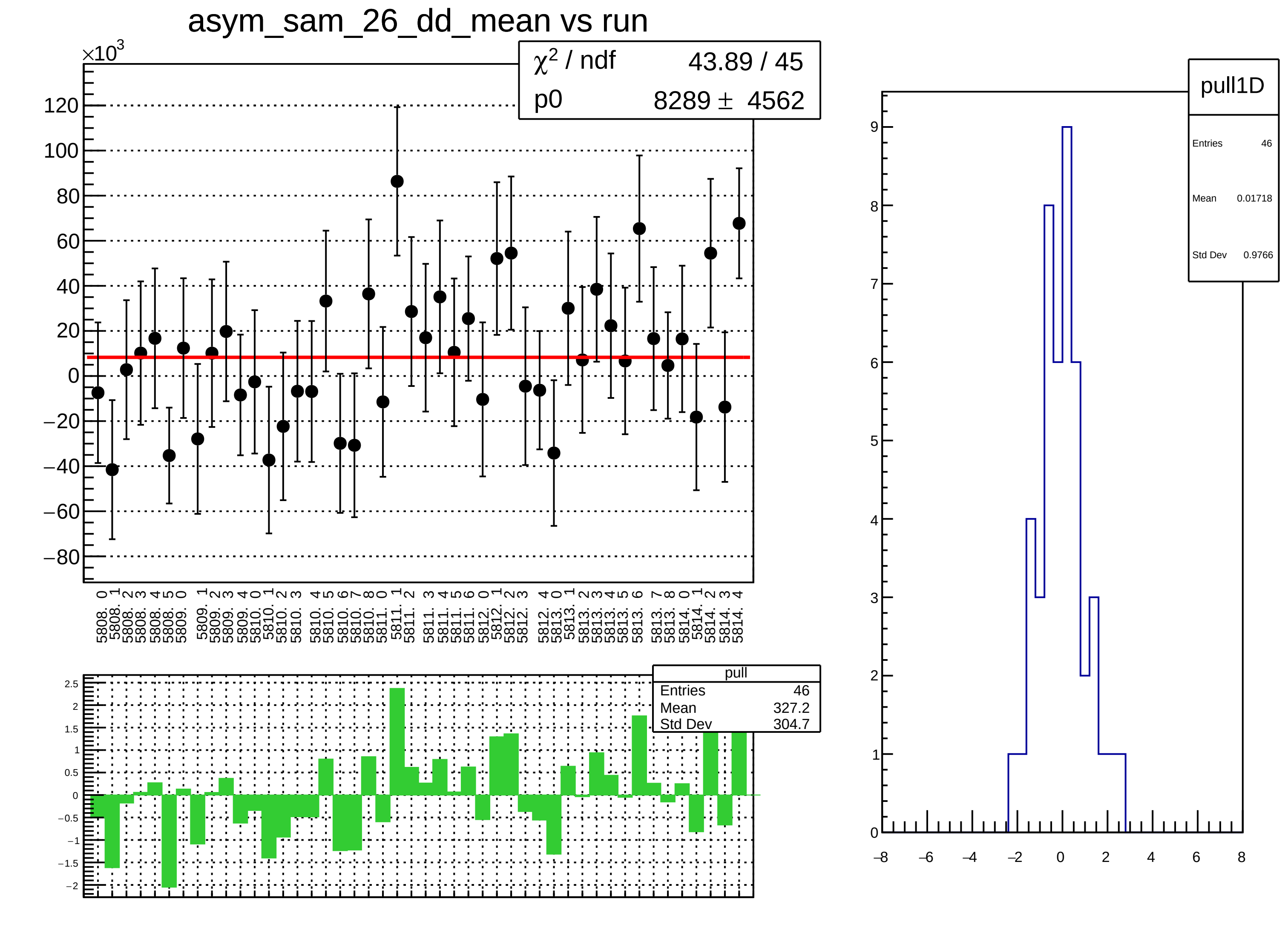


reg_asym_sam_26_dd_rms vs run
χ^2 / ndf 1477 / 45
p0 238 ± 0.2501
320
300
280
260
240
220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

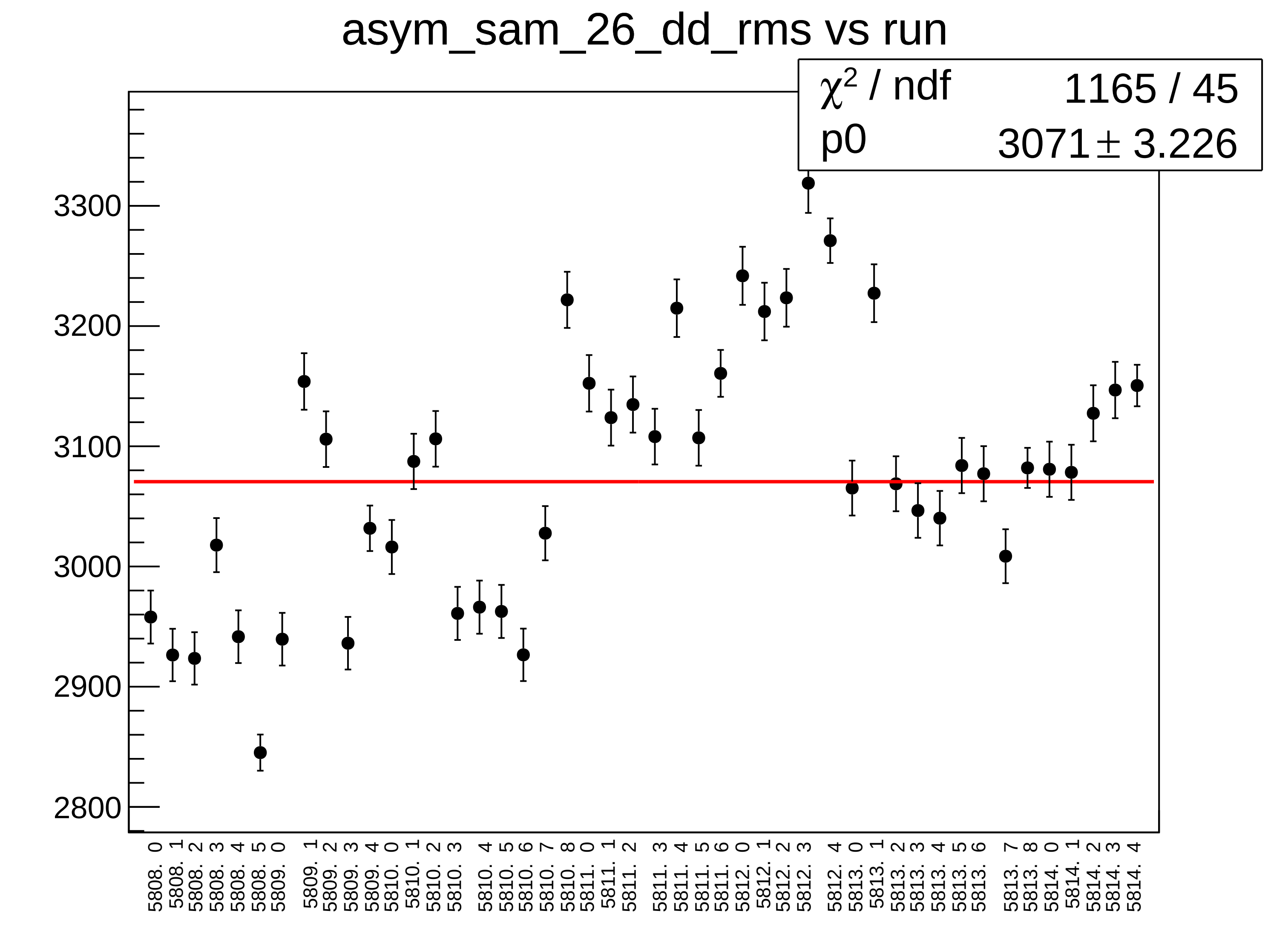


asym_sam_26_dd_correction_mean vs run
χ2 / ndf 43.23 / 45
p0 −8596 ± 4548
pull
Entries 46
Mean 317.4
Std Dev 295
pull1D
Entries 46
Mean −0.01714
Std Dev 0.9693

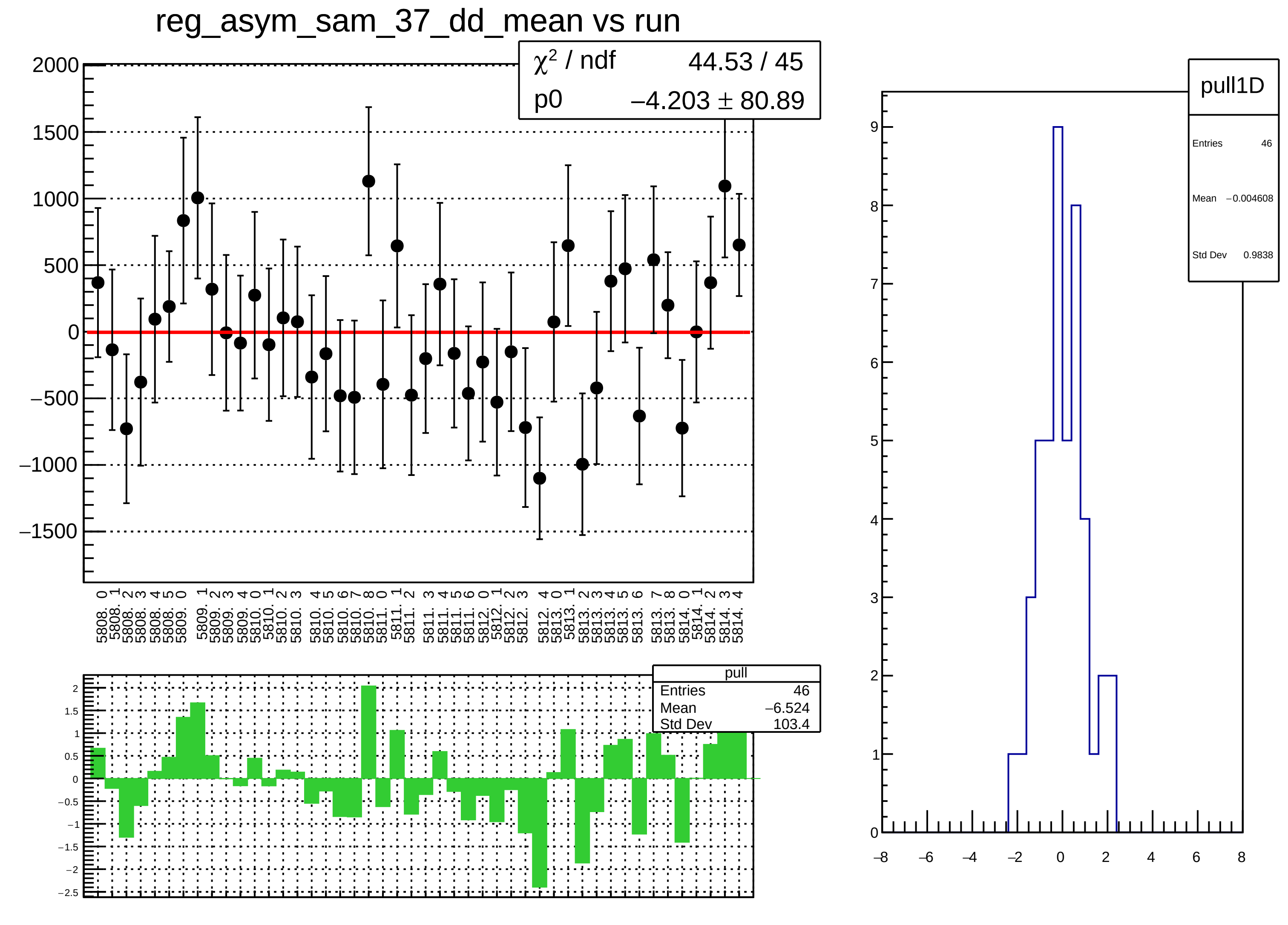

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 1178 / 45
p0 3061 ± 3.216
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

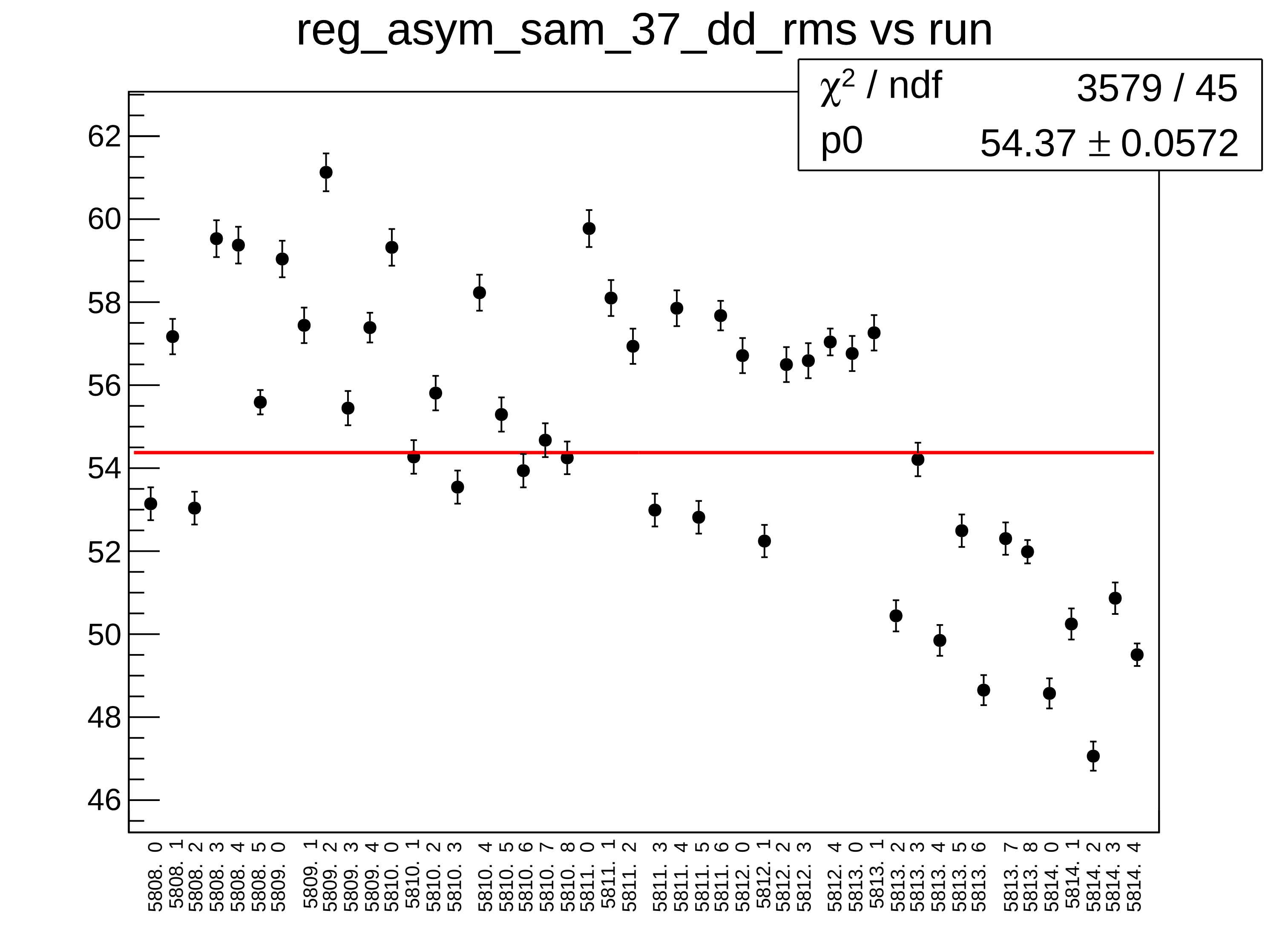


asym_sam_26_dd_mean vs run
×10^3
χ2 / ndf 43.89 / 45
p0 8289 ± 4562
pull
Entries 46
Mean 327.2
Std Dev 304.7
pull1D
Entries 46
Mean 0.01718
Std Dev 0.9766



asym_sam_26_dd_rms vs run
χ^2 / ndf 1165 / 45
p0 3071 ± 3.226
3300
3200
3100
3000
2900
2800


reg_asym_sam_37_dd_mean vs run
χ² / ndf 44.53 / 45
p0 −4.203 ± 80.89
pull
Entries 46
Mean −6.524
Std Dev 103.4
pull1D
Entries 46
Mean −0.004608
Std Dev 0.9838


reg_asym_sam_37_dd_rms vs run
χ2 / ndf 3579 / 45
p0 54.37 ± 0.0572
62
60
58
56
54
52
50
48
46
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
5813. 3
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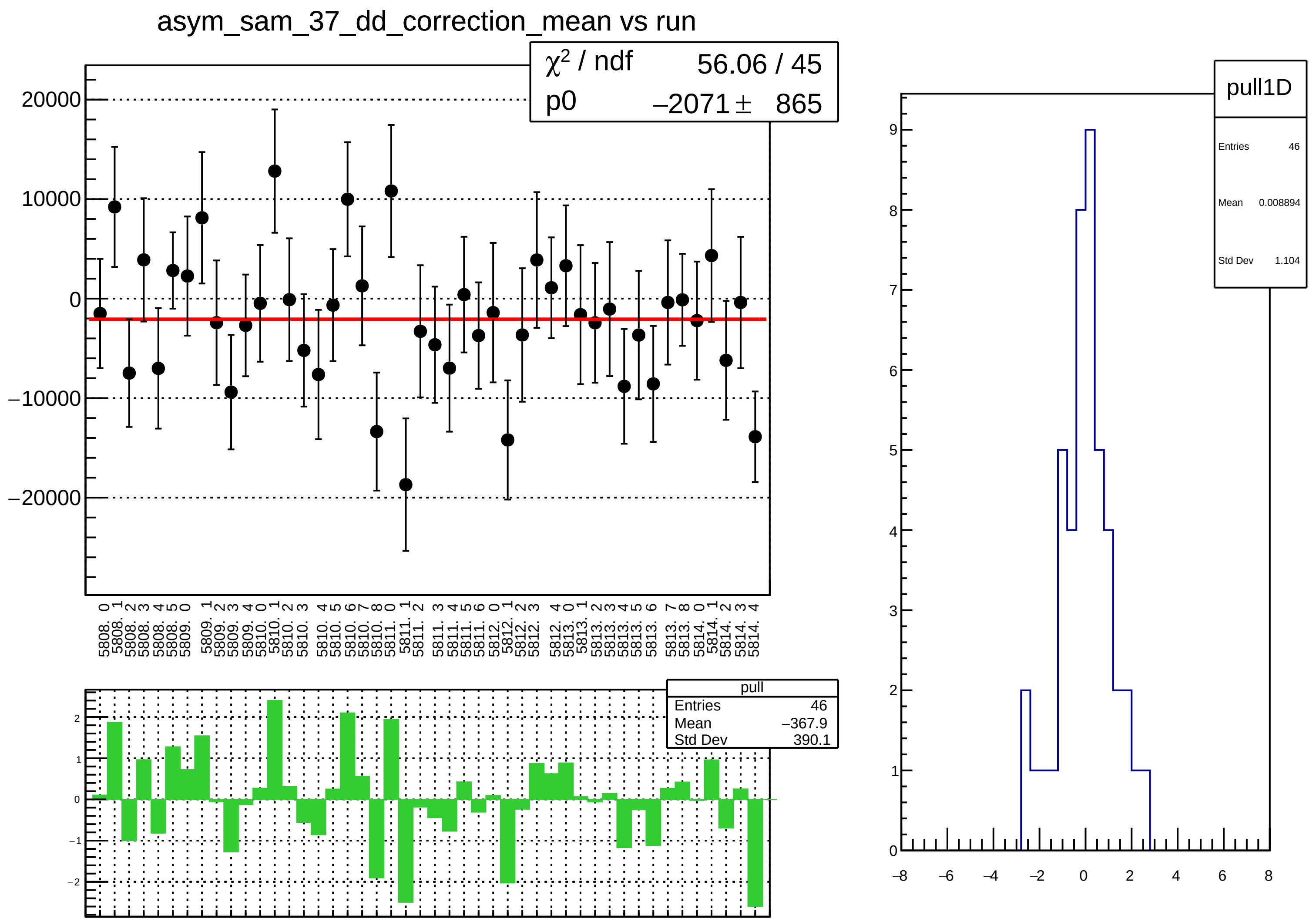
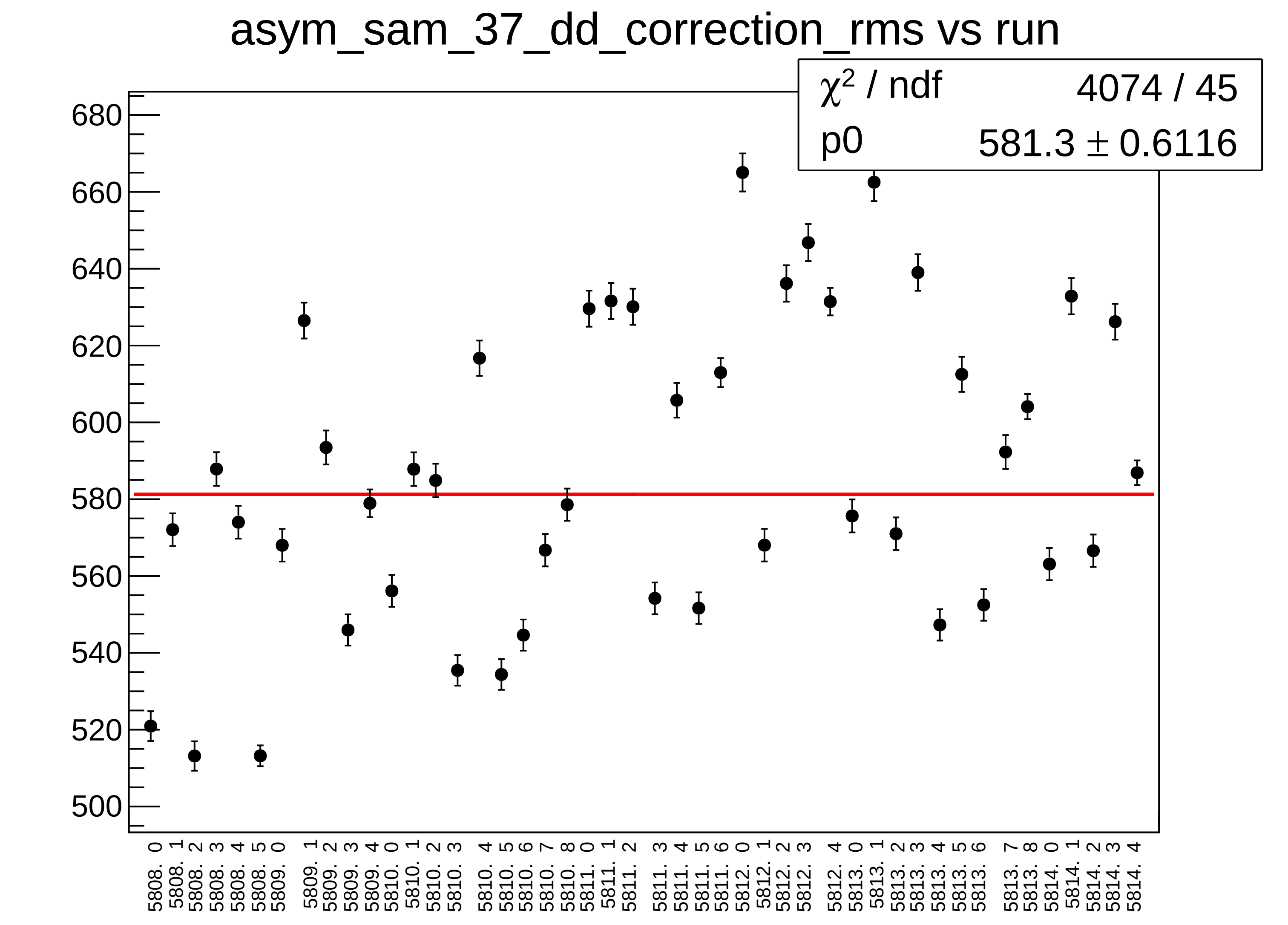
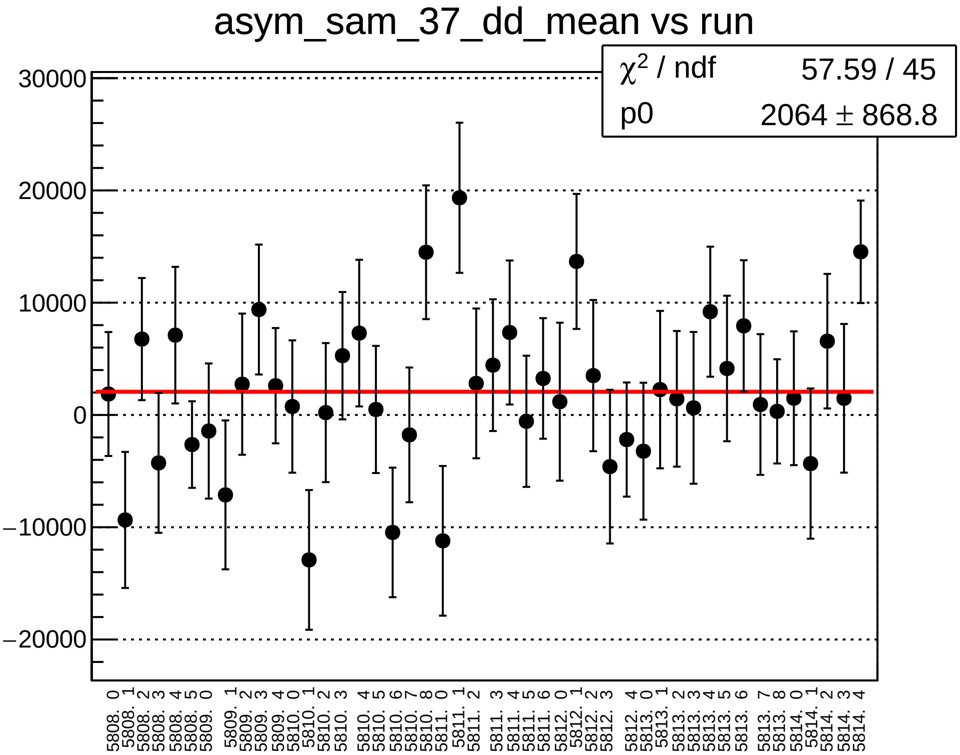
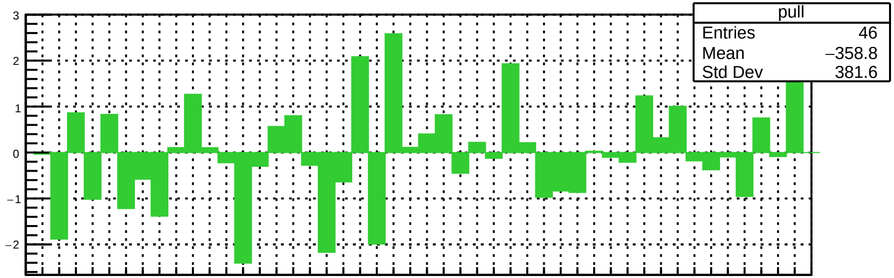
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

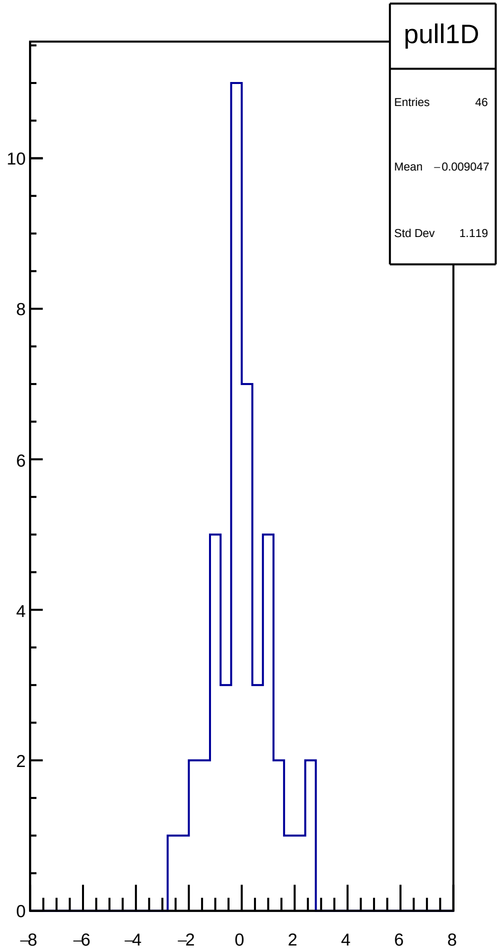

asym_sam_37_dd_correction_mean vs run
χ^2 / ndf 56.06 / 45
p0 −2071 ± 865
pull
Entries 46
Mean −367.9
Std Dev 390.1
pull1D
Entries 46
Mean 0.008894
Std Dev 1.104

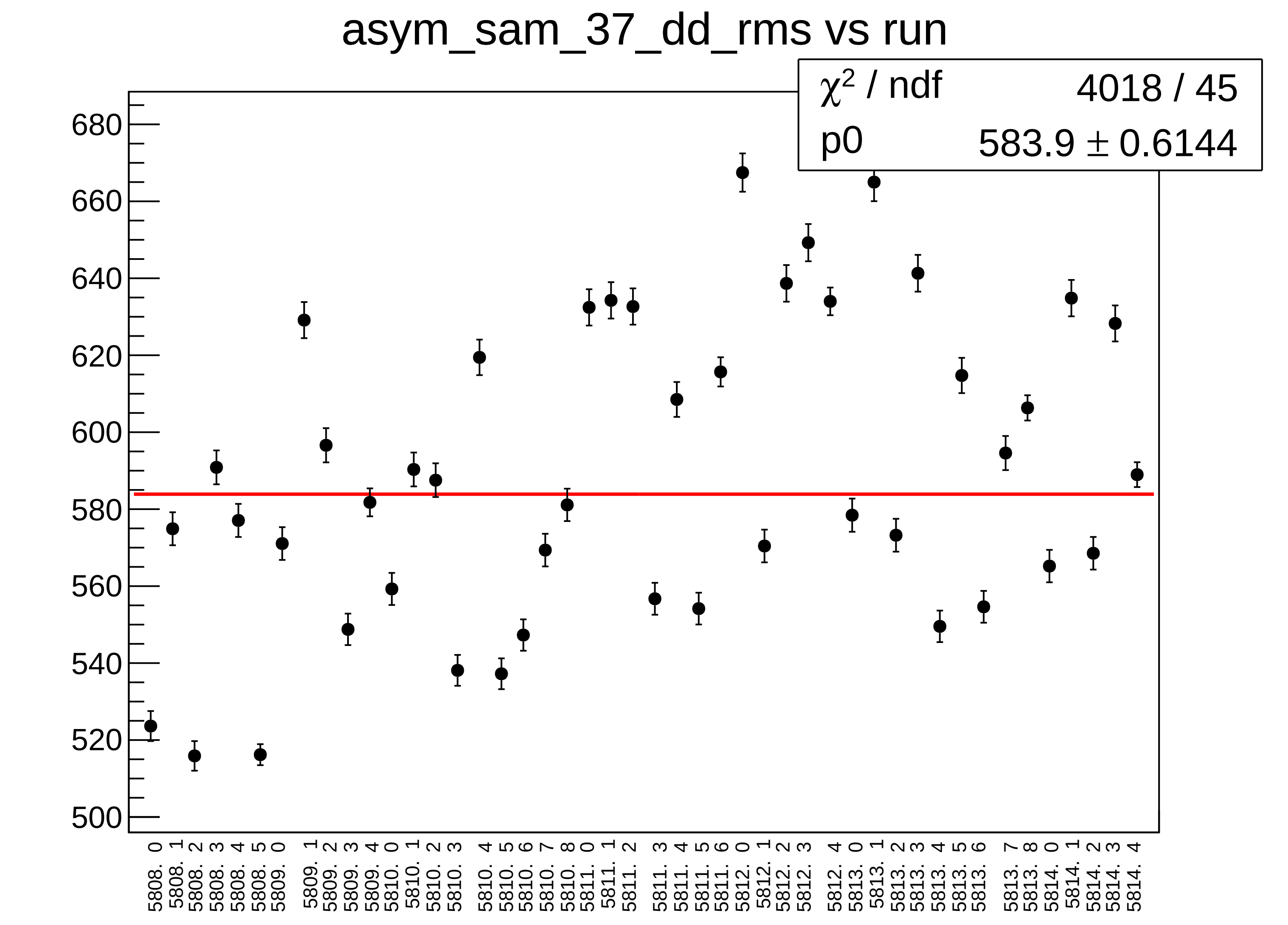


asym_sam_37_dd_correction_rms vs run
χ2 / ndf 4074 / 45
p0 581.3 ± 0.6116
680
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_37_dd_mean vs run
χ^2 / ndf 57.59 / 45
p0 2064 ± 868.8
30000
20000
10000
0
−10000
−20000


pull
Entries 46
Mean −358.8
Std Dev 381.6


pull1D
Entries 46
Mean −0.009047
Std Dev 1.119



asym_sam_37_dd_rms vs run
χ^2 / ndf 4018 / 45
p0 583.9 ± 0.6144
680
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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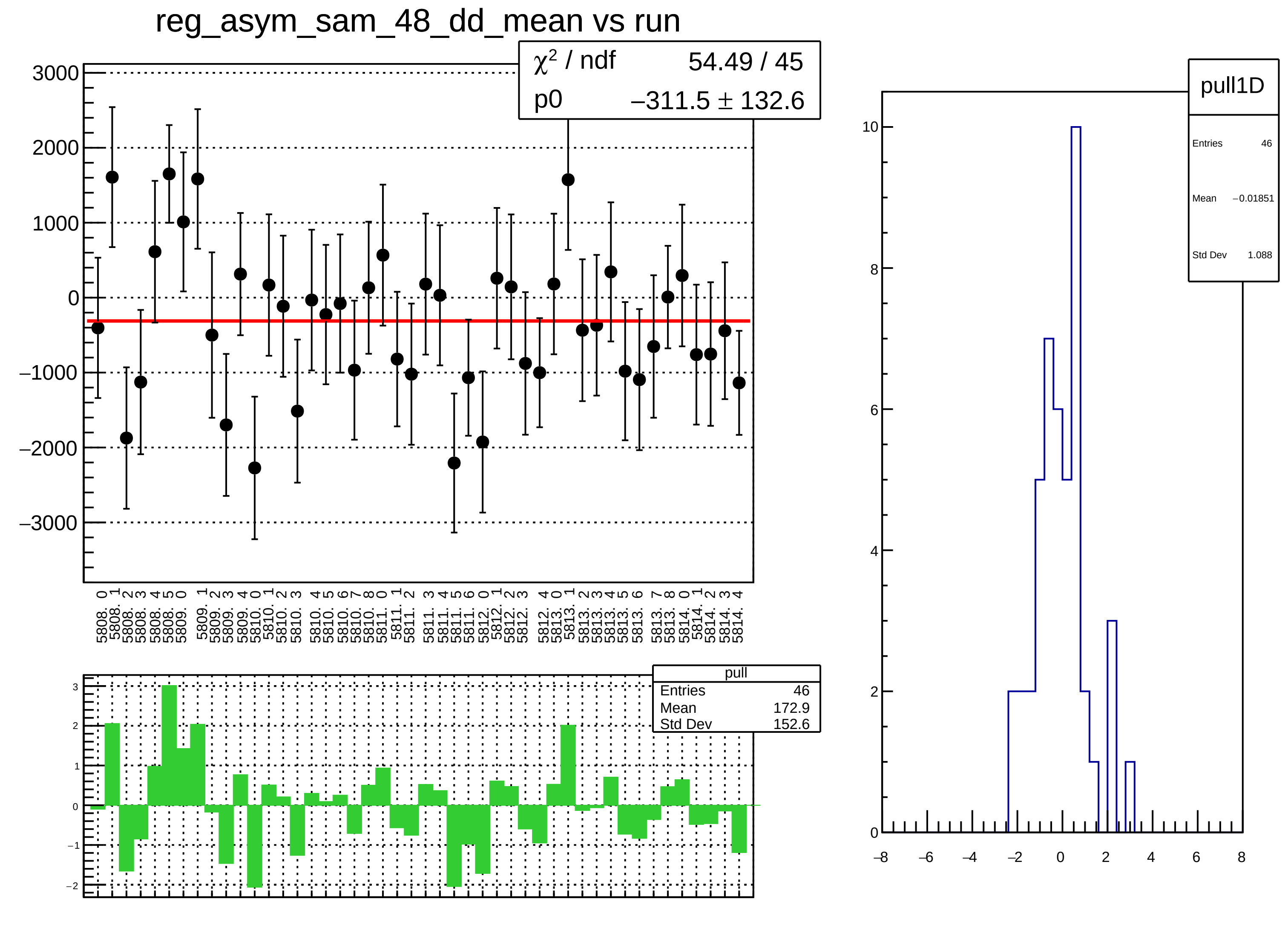
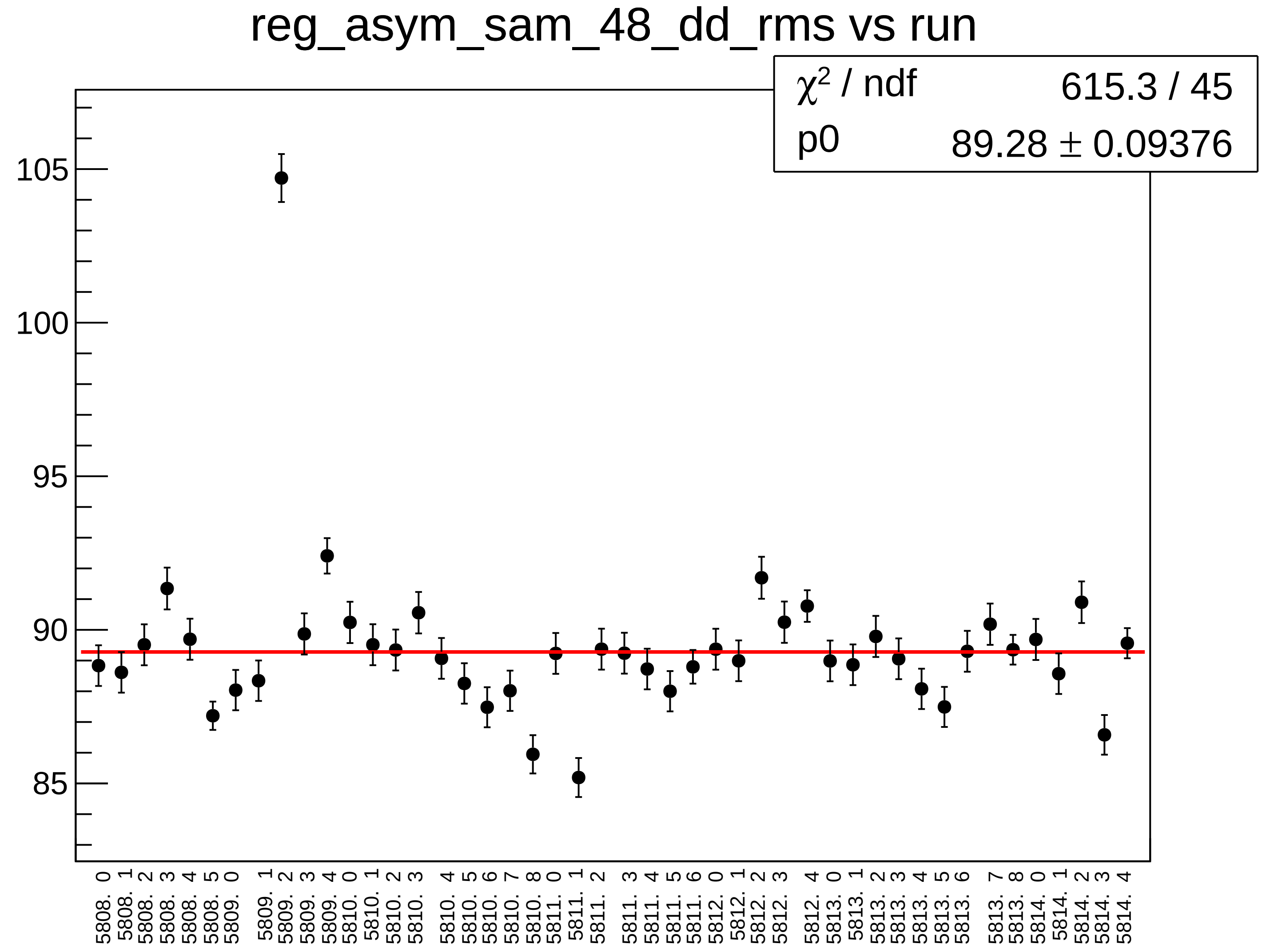
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



reg_asym_sam_48_dd_mean vs run
χ2 / ndf 54.49 / 45
p0 −311.5 ± 132.6
pull
Entries 46
Mean 172.9
Std Dev 152.6
pull1D
Entries 46
Mean −0.01851
Std Dev 1.088


reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 615.3 / 45
p0 89.28 ± 0.09376
105
100
95
90
85
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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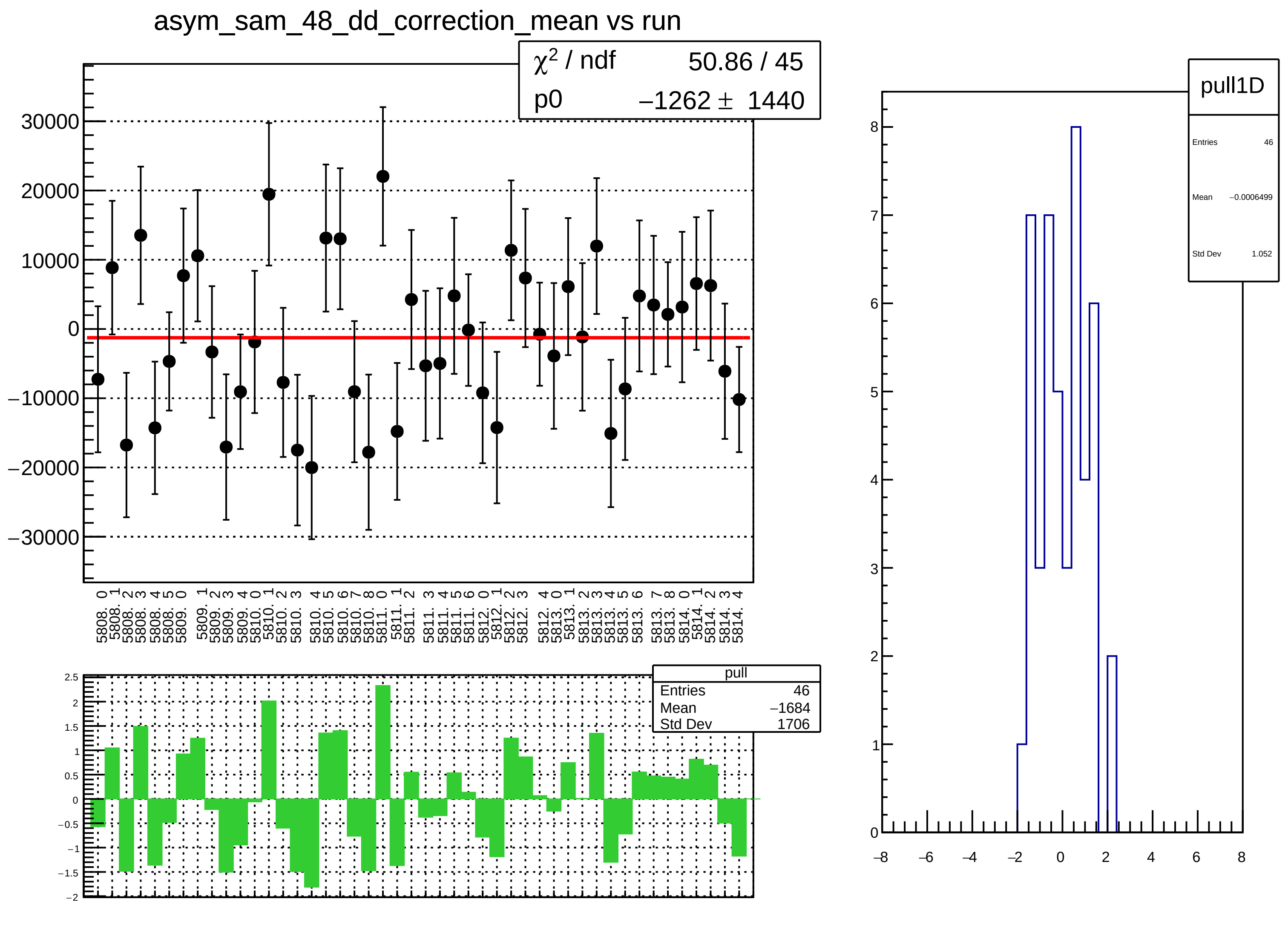
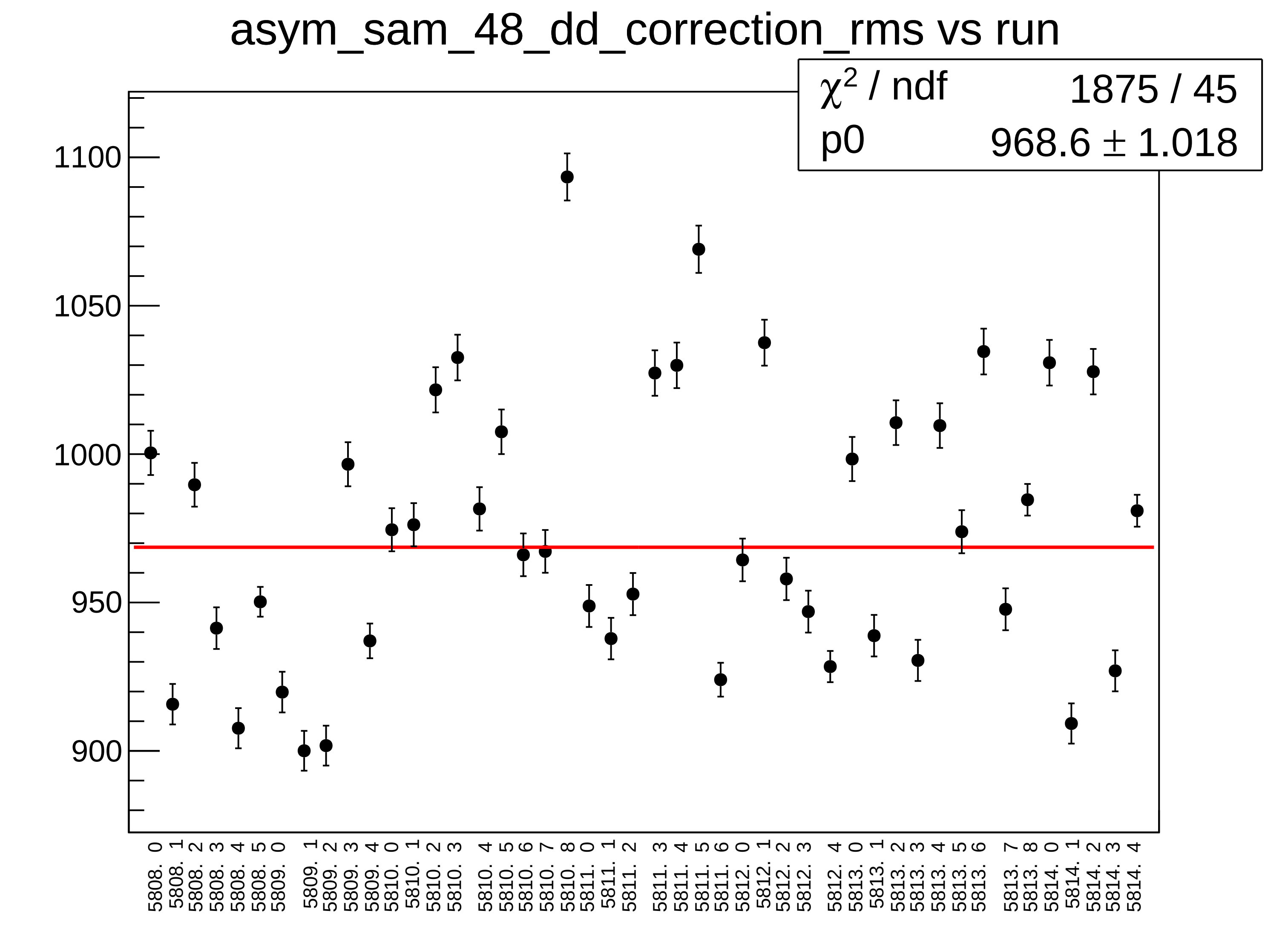
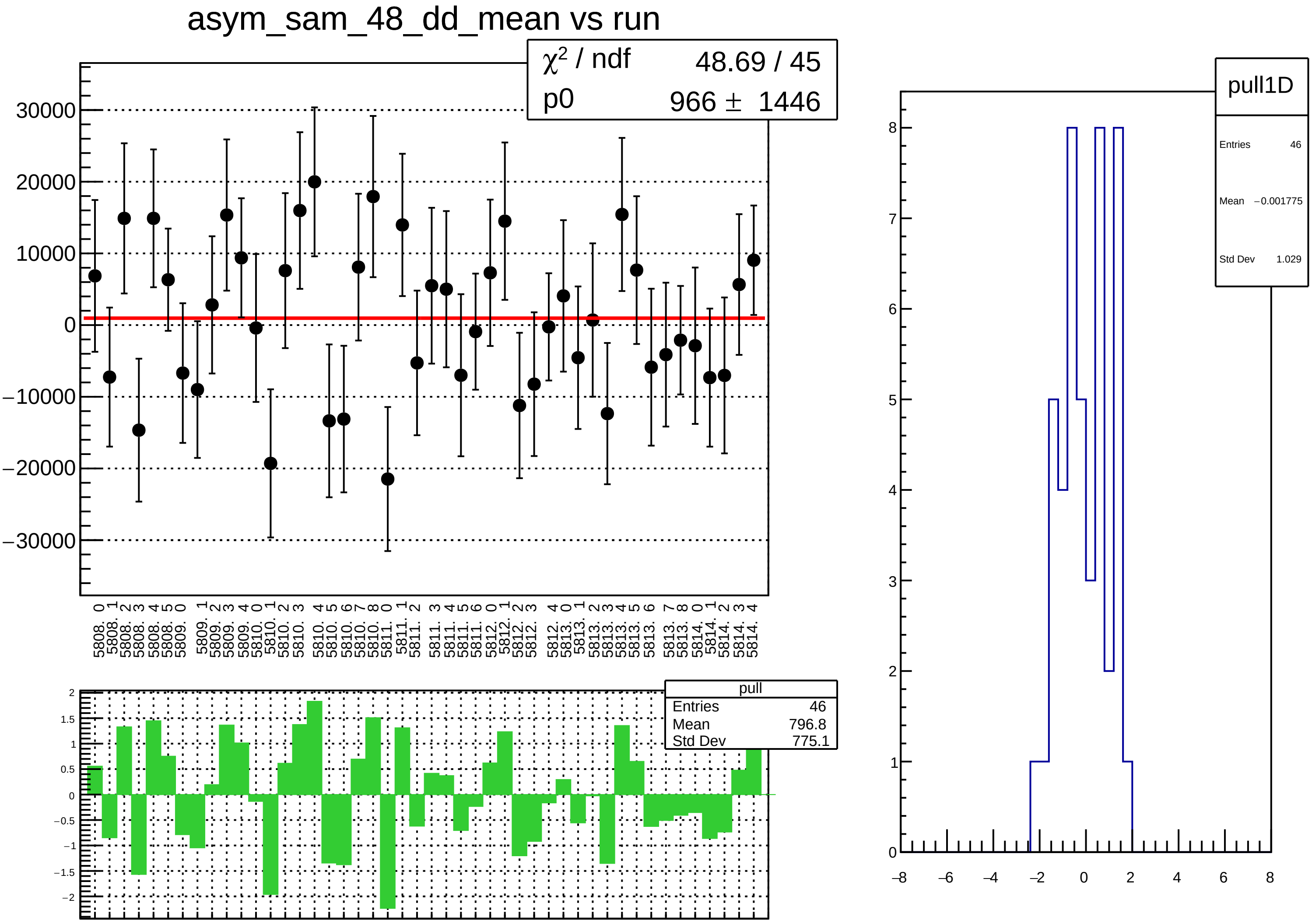
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



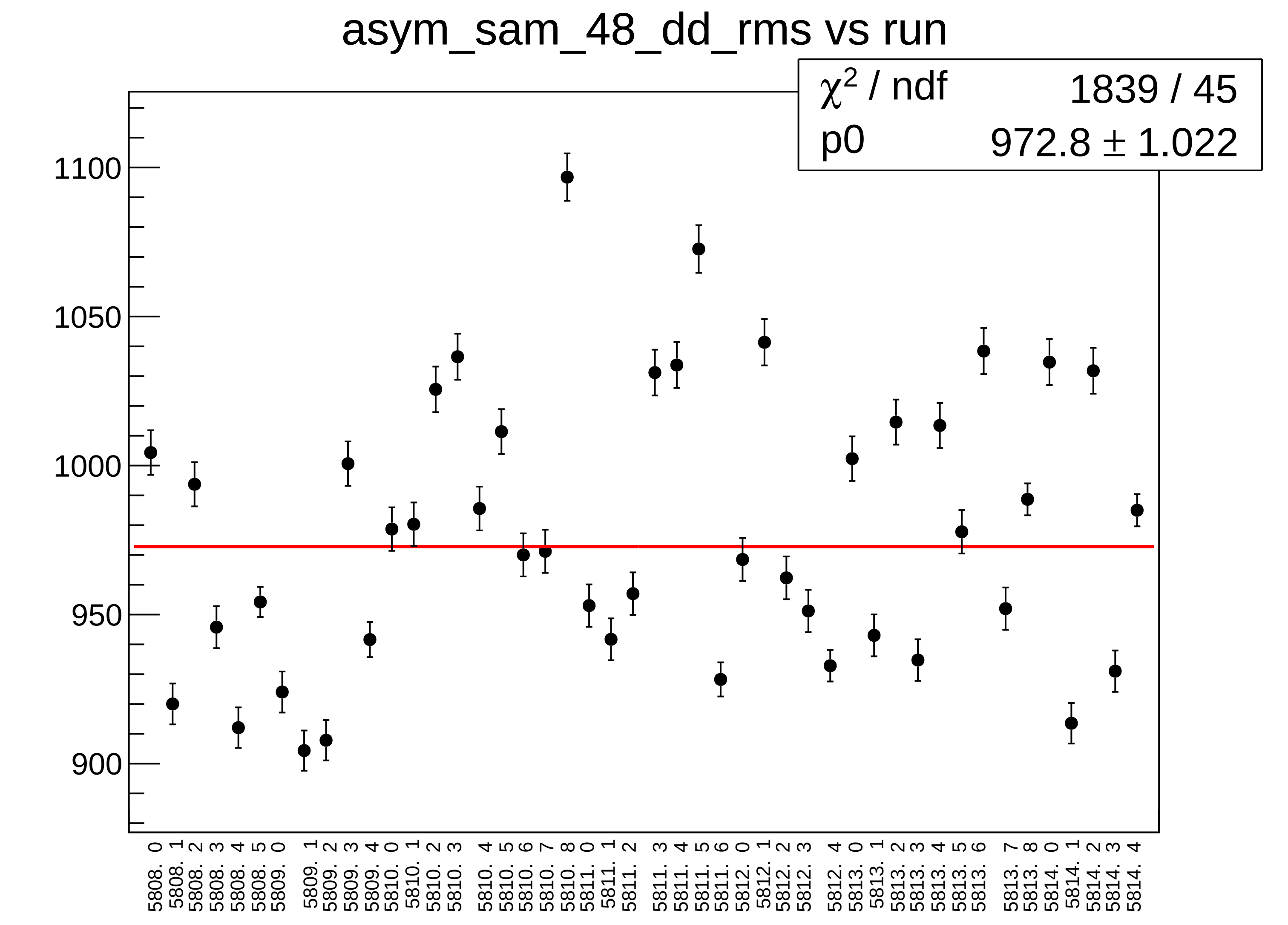
asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 50.86 / 45
p0 −1262 ± 1440
pull
Entries 46
Mean −1684
Std Dev 1706
pull1D
Entries 46
Mean −0.0006499
Std Dev 1.052



asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 1875 / 45
p0 968.6 ± 1.018
1100
1050
1000
950
900
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
5813.1
5813.2
5813.3
5813.4
5813.5
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4



asym_sam_48_dd_mean vs run
χ^2 / ndf 48.69 / 45
p0 966 ± 1446
pull
Entries 46
Mean 796.8
Std Dev 775.1
pull1D
Entries 46
Mean −0.001775
Std Dev 1.029



asym_sam_48_dd_rms vs run
χ^2 / ndf 1839 / 45
p0 972.8 ± 1.022
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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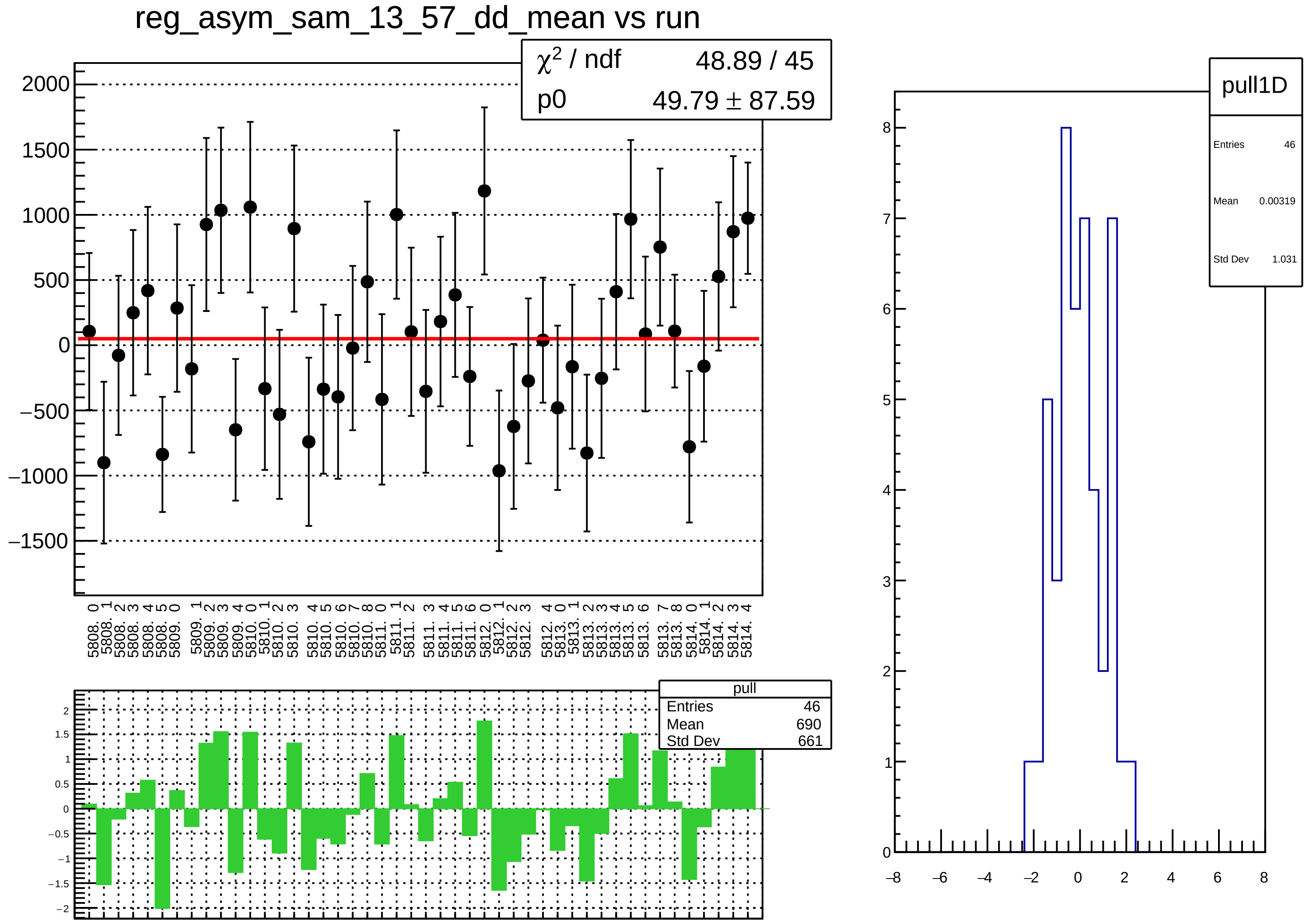
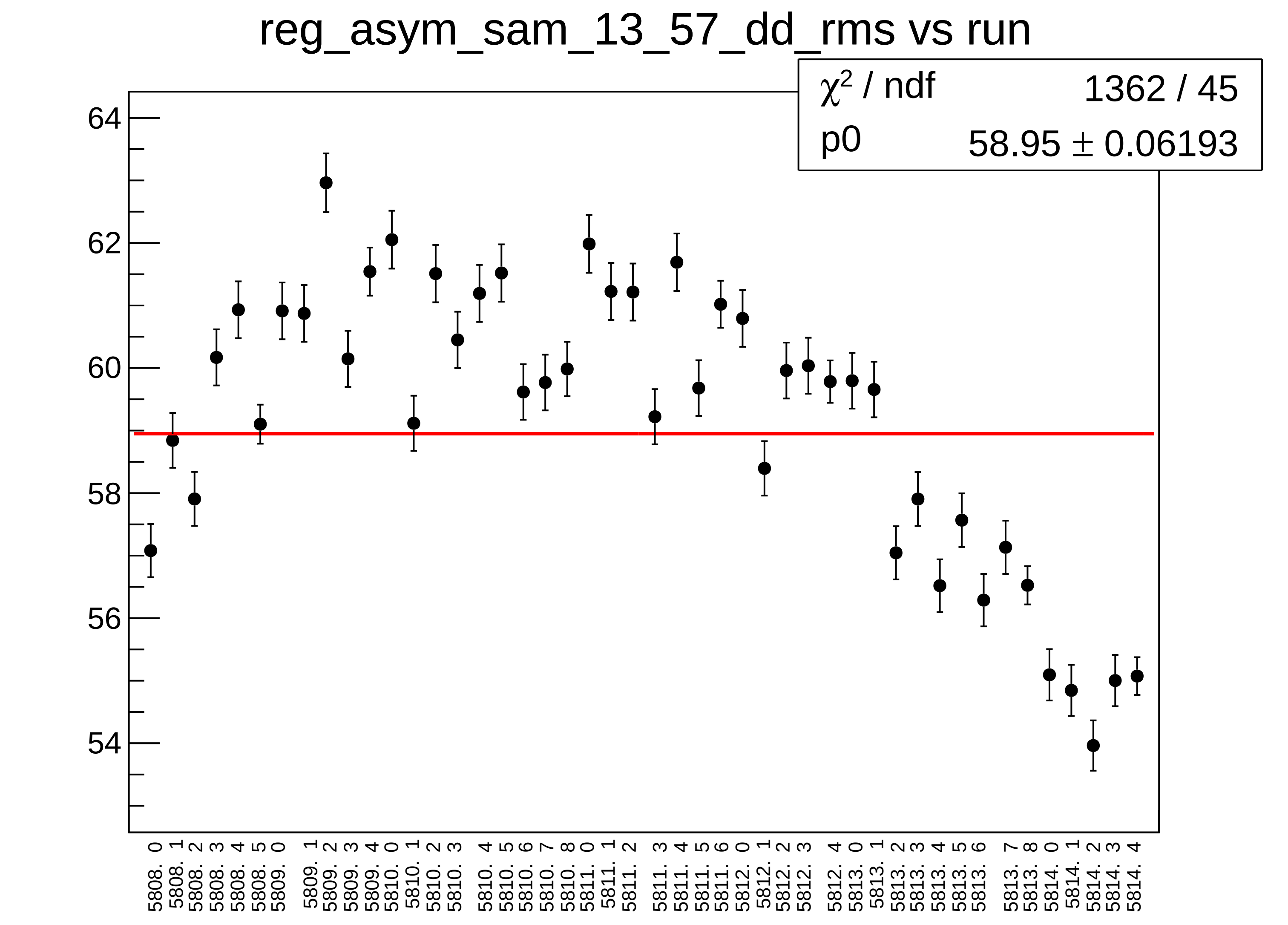
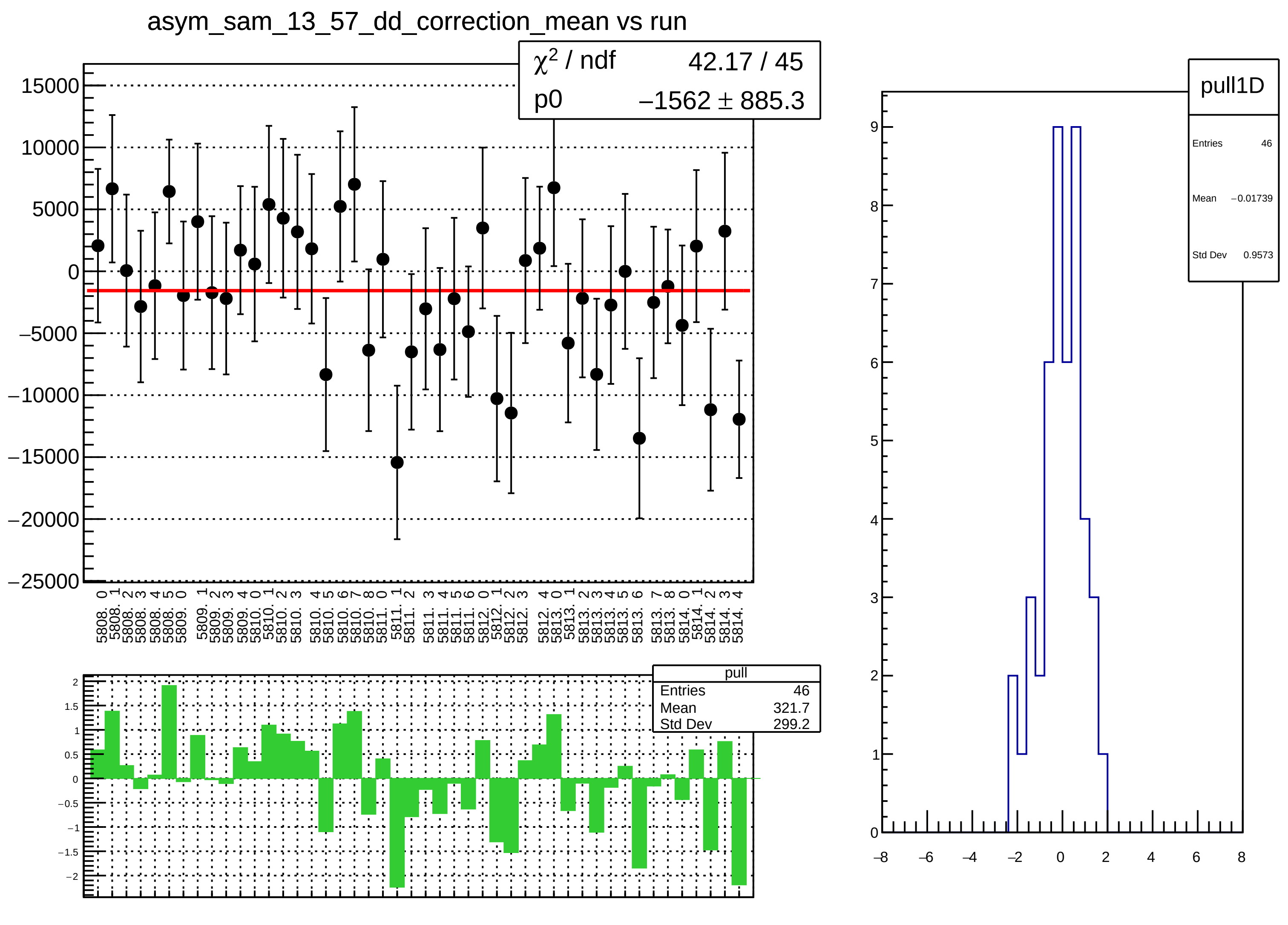
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



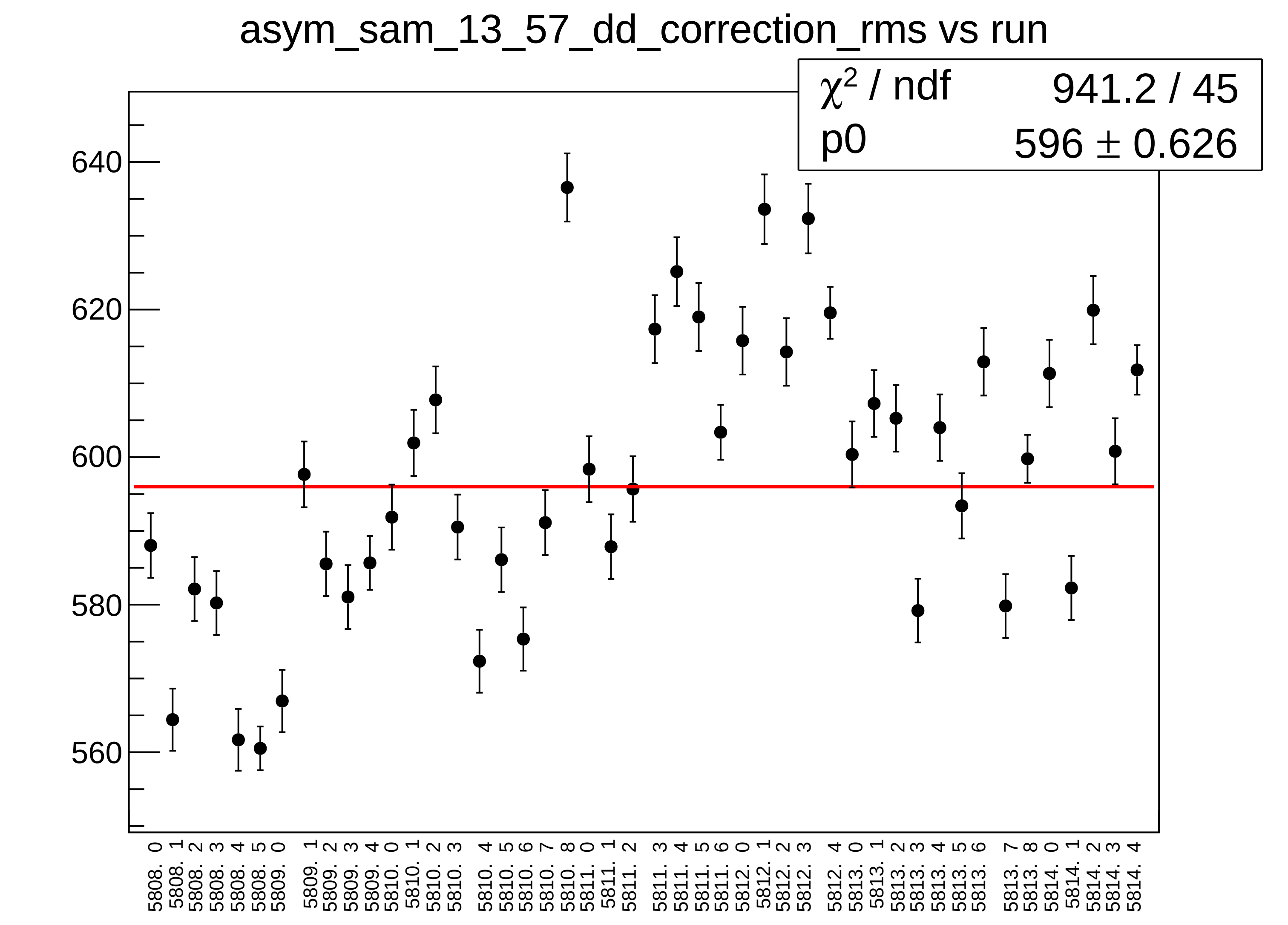
reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 48.89 / 45
p0 49.79 ± 87.59
pull
Entries 46
Mean 690
Std Dev 661
pull1D
Entries 46
Mean 0.00319
Std Dev 1.031



reg_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1362 / 45
p0 58.95 ± 0.06193
64
62
60
58
56
54
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 42.17 / 45
p0 −1562 ± 885.3
pull
Entries 46
Mean 321.7
Std Dev 299.2
pull1D
Entries 46
Mean −0.01739
Std Dev 0.9573


asym_sam_13_57_dd_correction_rms vs run
χ2 / ndf 941.2 / 45
p0 596 ± 0.626
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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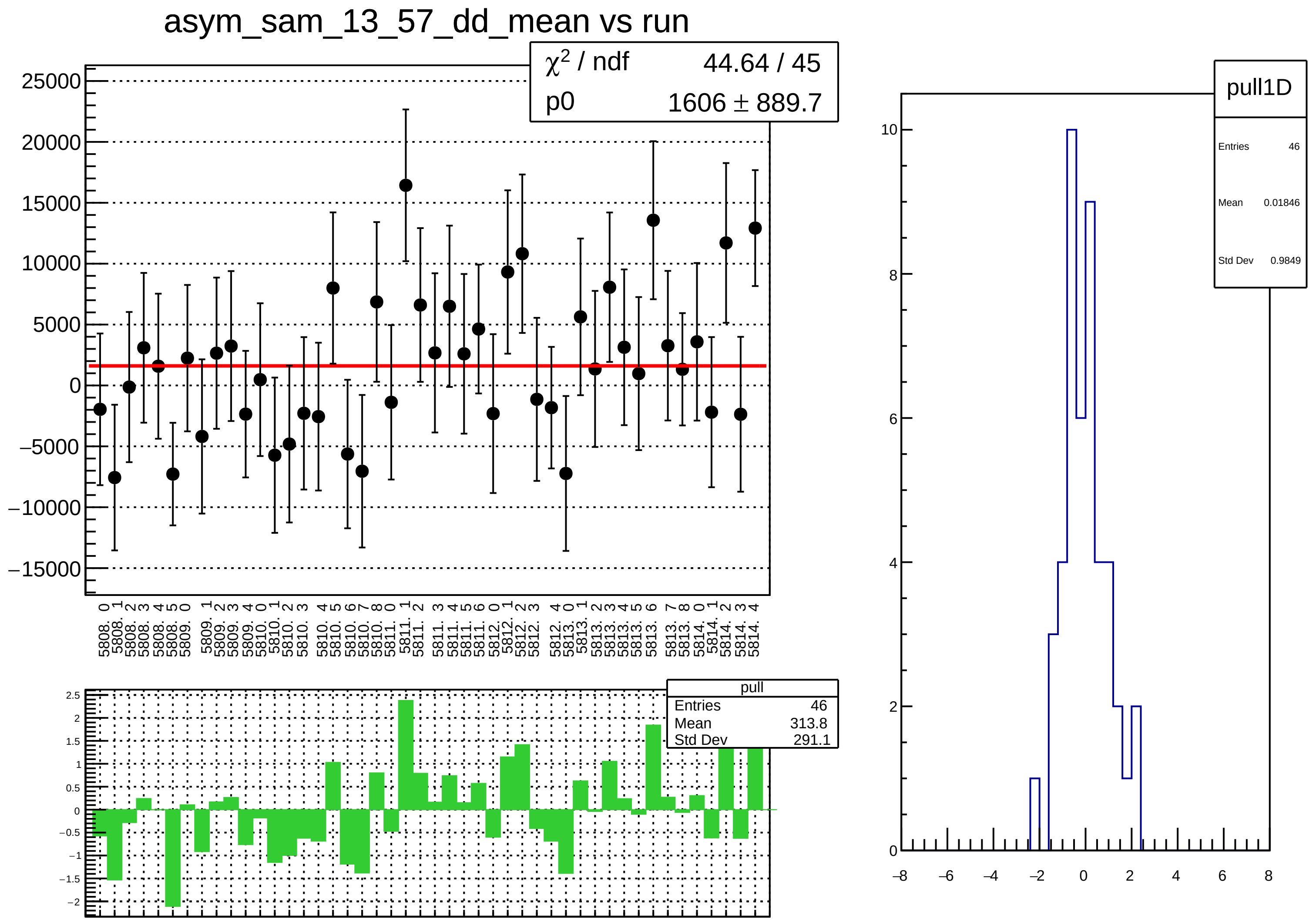
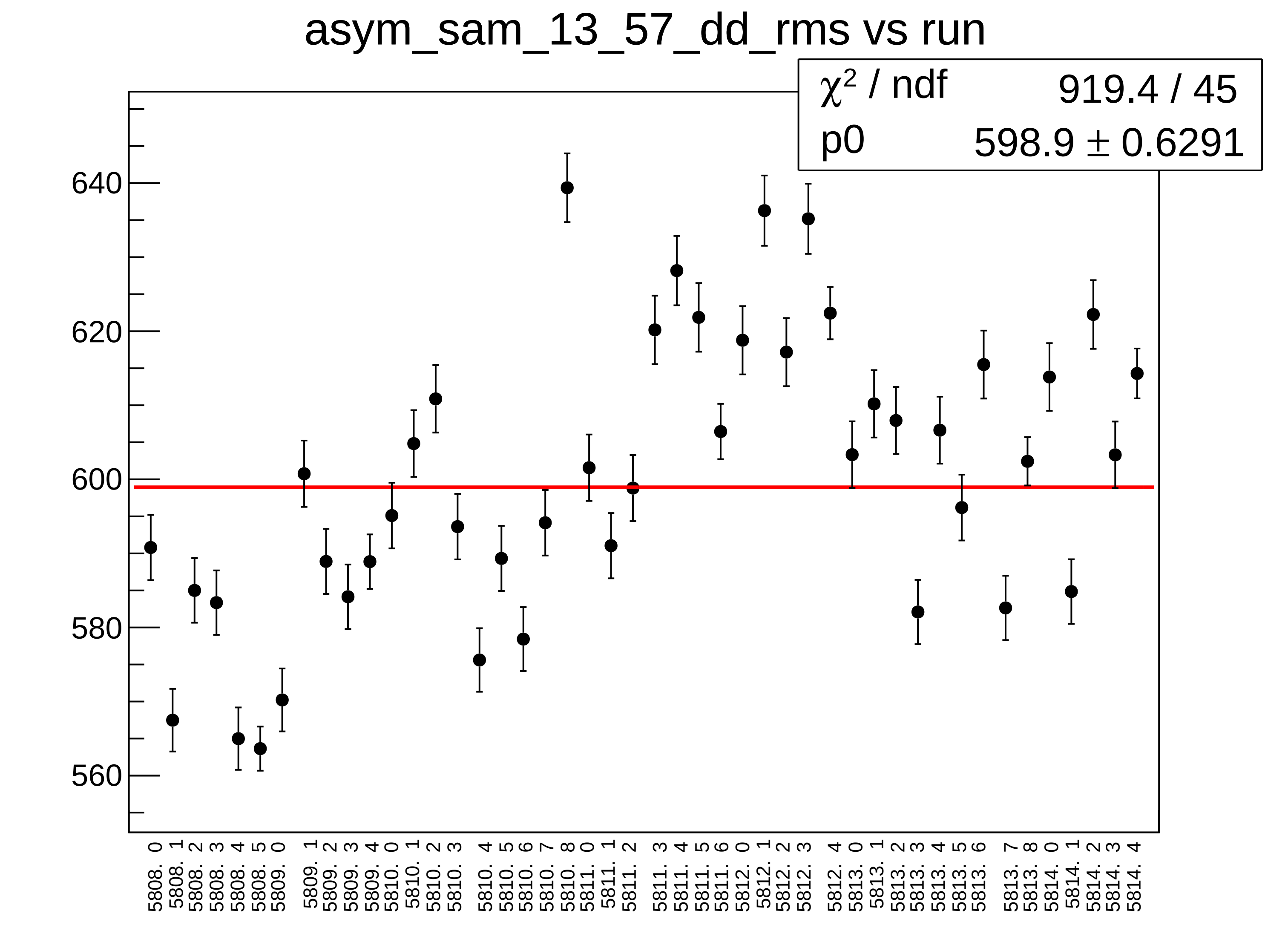
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_13_57_dd_mean vs run
χ^2 / ndf 44.64 / 45
p0 1606 ± 889.7
pull
Entries 46
Mean 313.8
Std Dev 291.1
pull1D
Entries 46
Mean 0.01846
Std Dev 0.9849


asym_sam_13_57_dd_rms vs run
χ2 / ndf 919.4 / 45
p0 598.9 ± 0.6291
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 6
5813. 7
5813. 8
5814. 0
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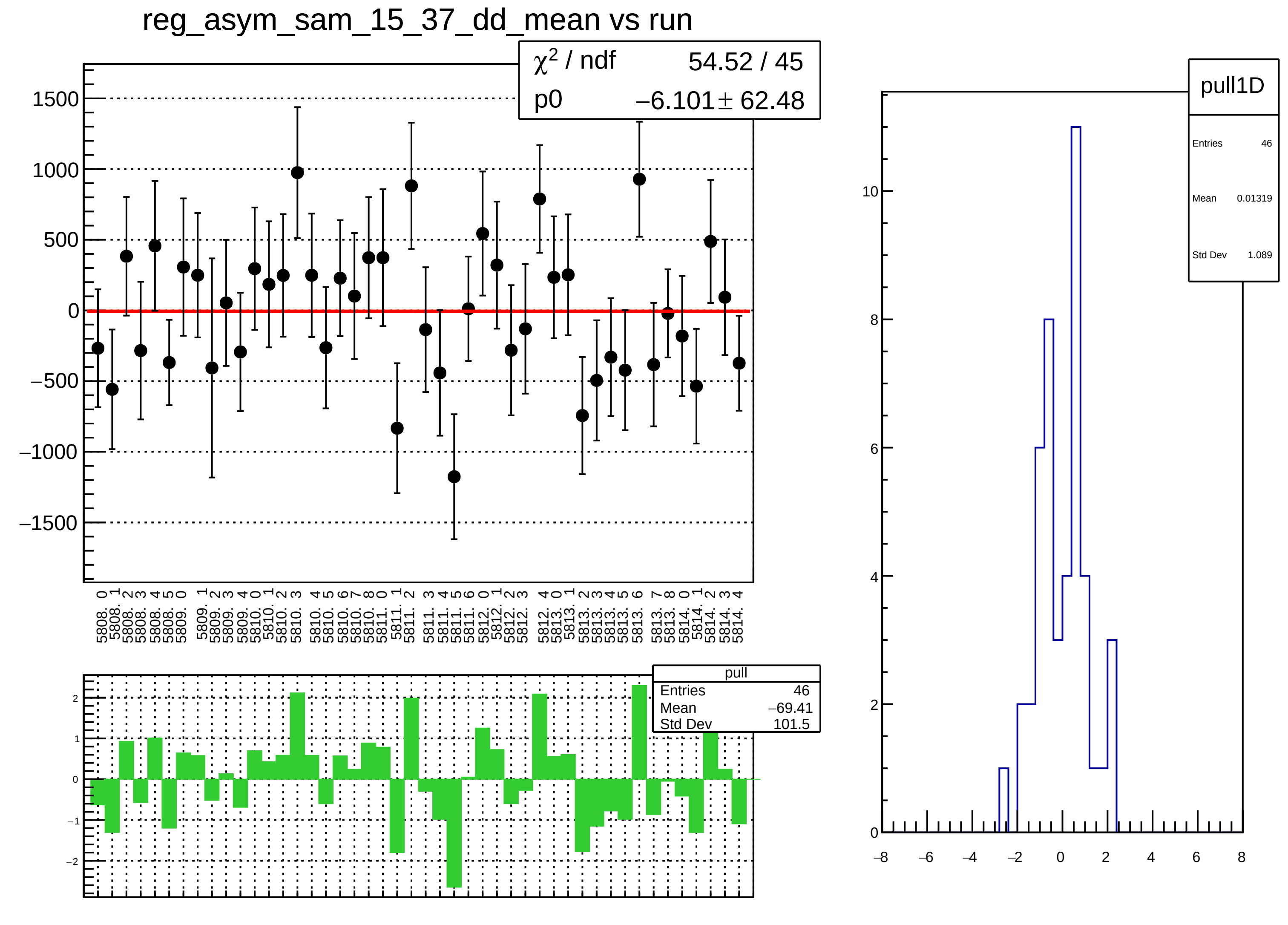
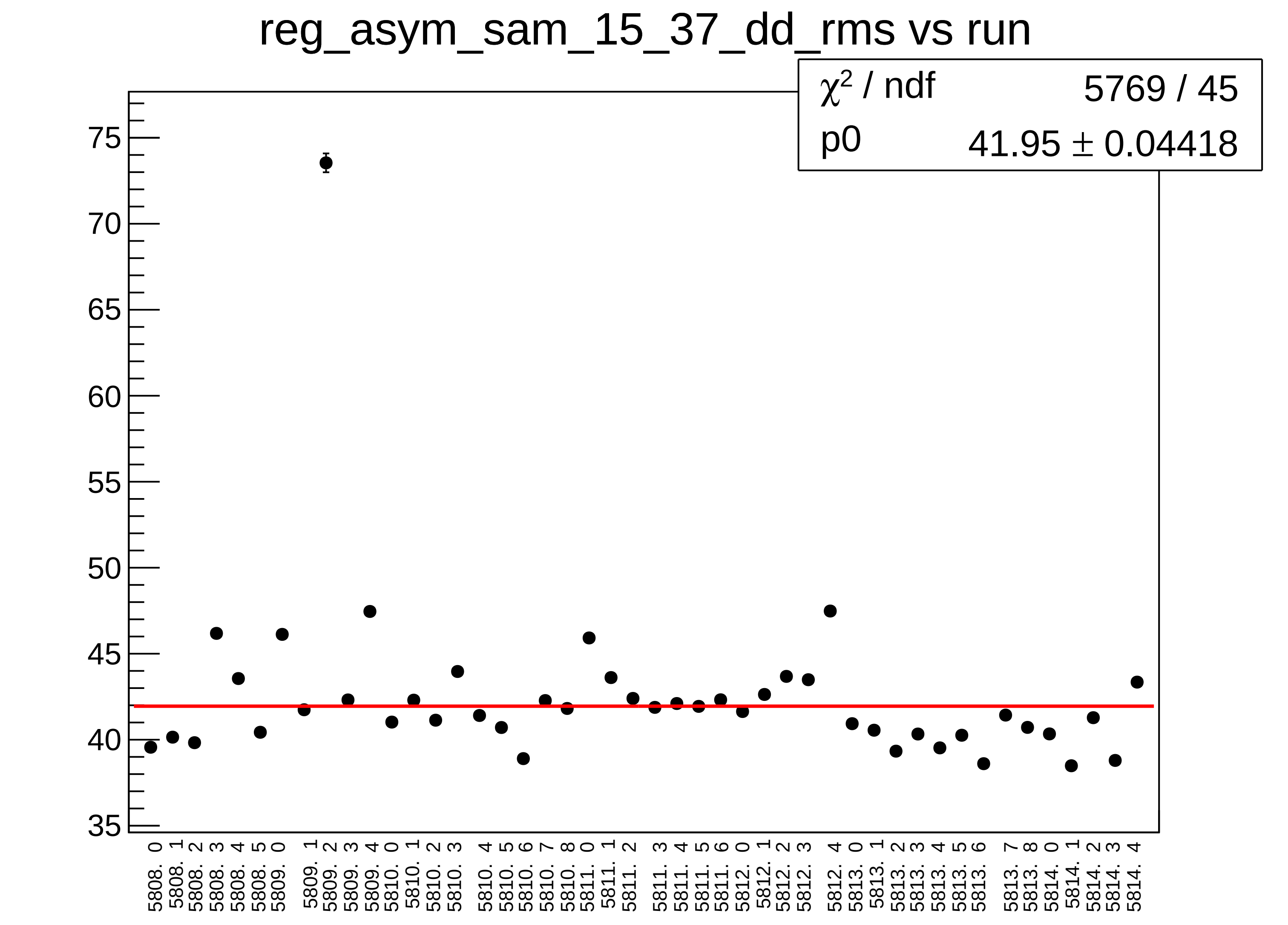
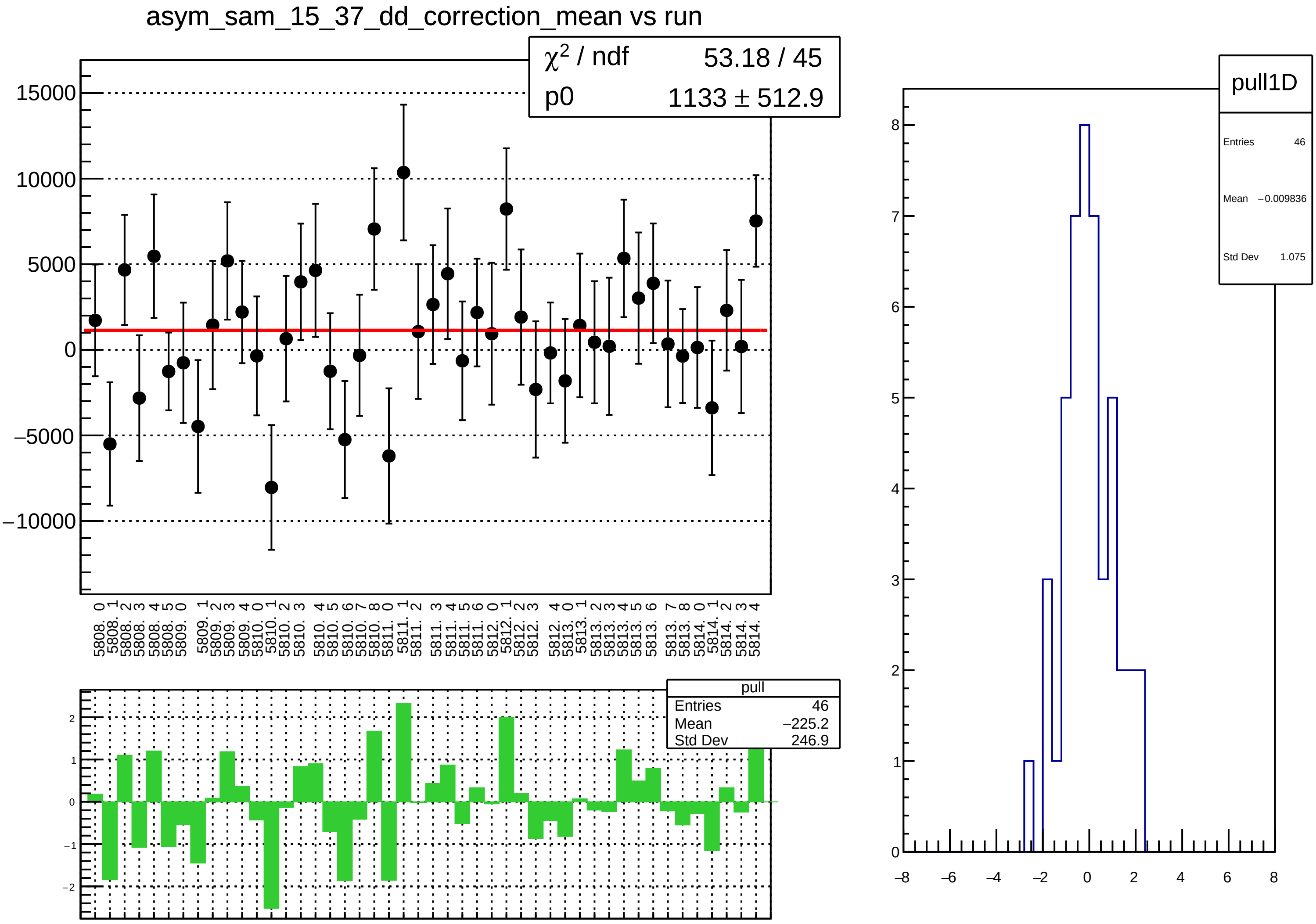
5814. 2
5814. 3
5814. 4



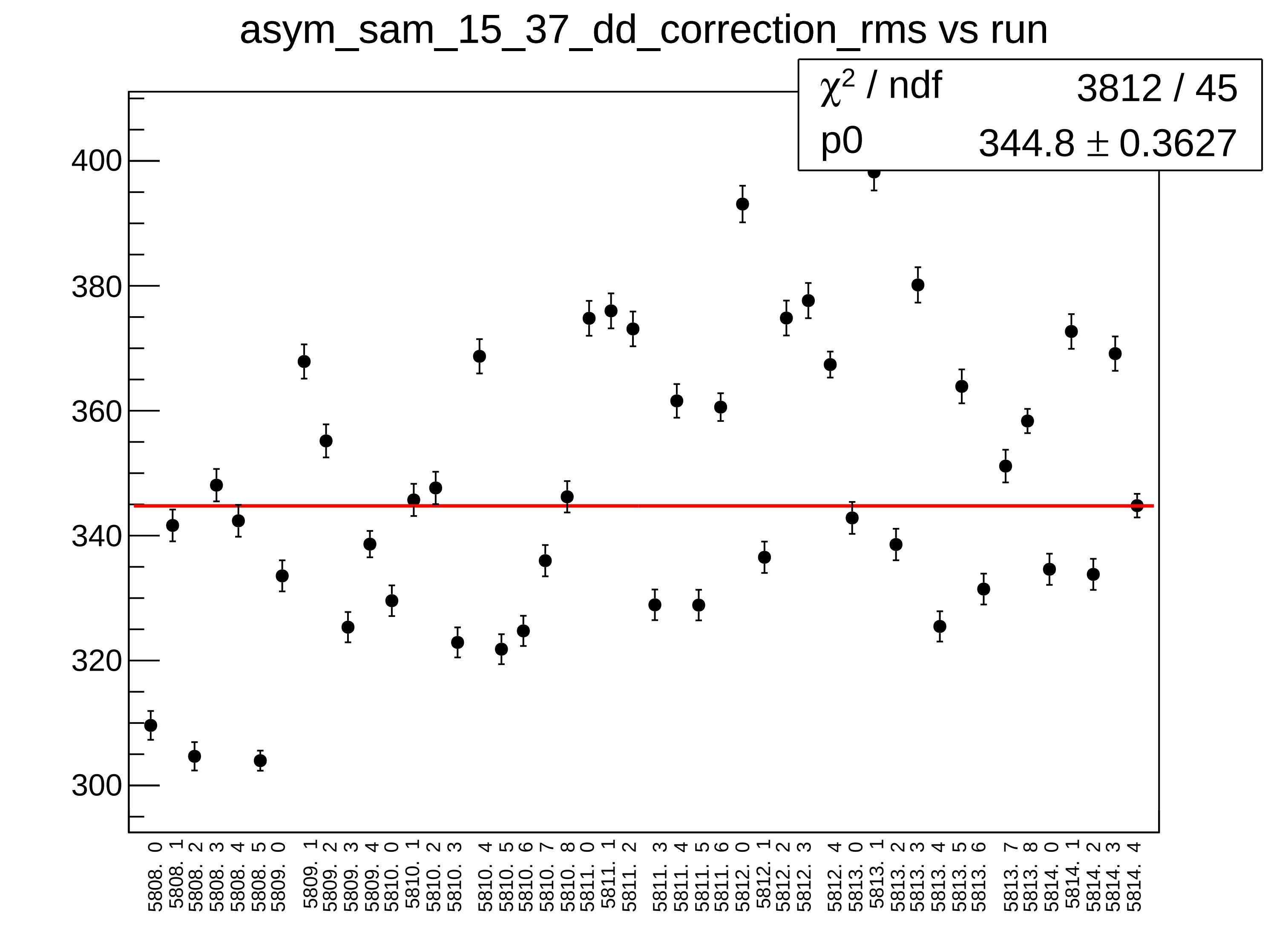
reg_asym_sam_15_37_dd_mean vs run
χ2 / ndf 54.52 / 45
p0 −6.101 ± 62.48
pull
Entries 46
Mean −69.41
Std Dev 101.5
pull1D
Entries 46
Mean 0.01319
Std Dev 1.089



reg_asym_sam_15_37_dd_rms vs run
χ2 / ndf 5769 / 45
p0 41.95 ± 0.04418
75
70
65
60
55
50
45
40
35



asym_sam_15_37_dd_correction_mean vs run
χ2 / ndf 53.18 / 45
p0 1133 ± 512.9
pull
Entries 46
Mean −225.2
Std Dev 246.9
pull1D
Entries 46
Mean −0.009836
Std Dev 1.075



asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3812 / 45
p0 344.8 ± 0.3627
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
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5809. 2
5809. 3
5809. 4
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5811. 5
5811. 6
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5812. 4
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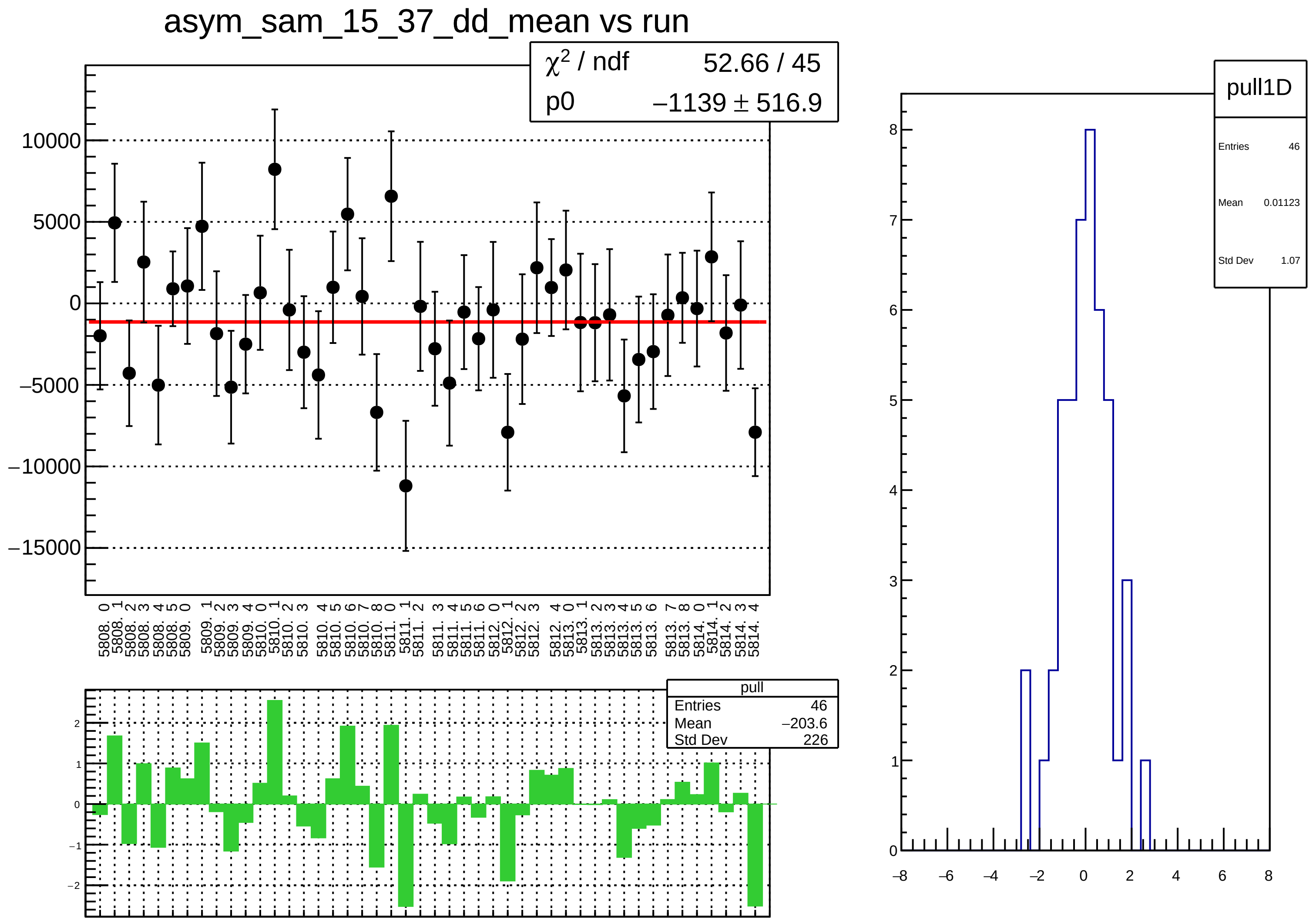
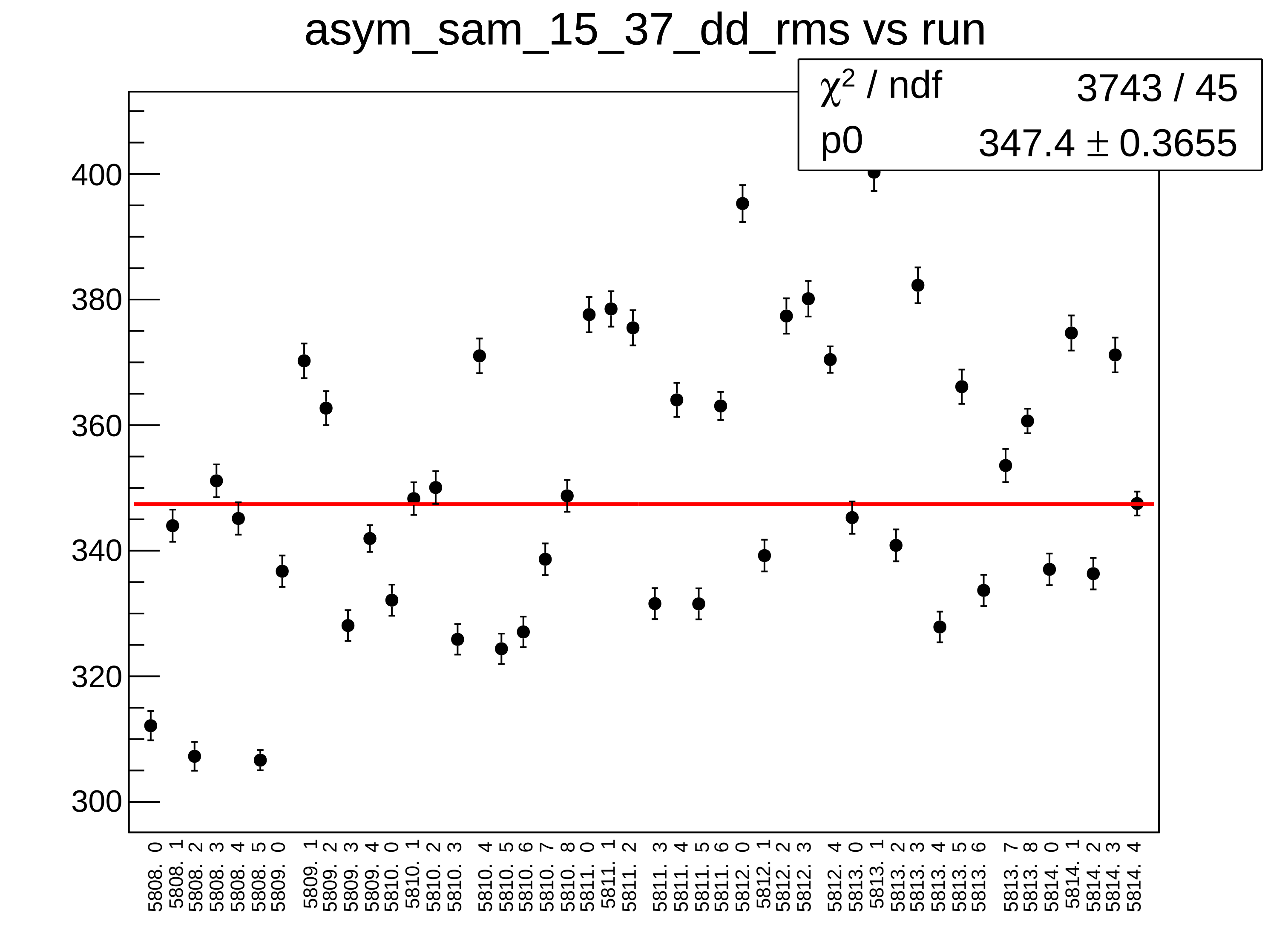
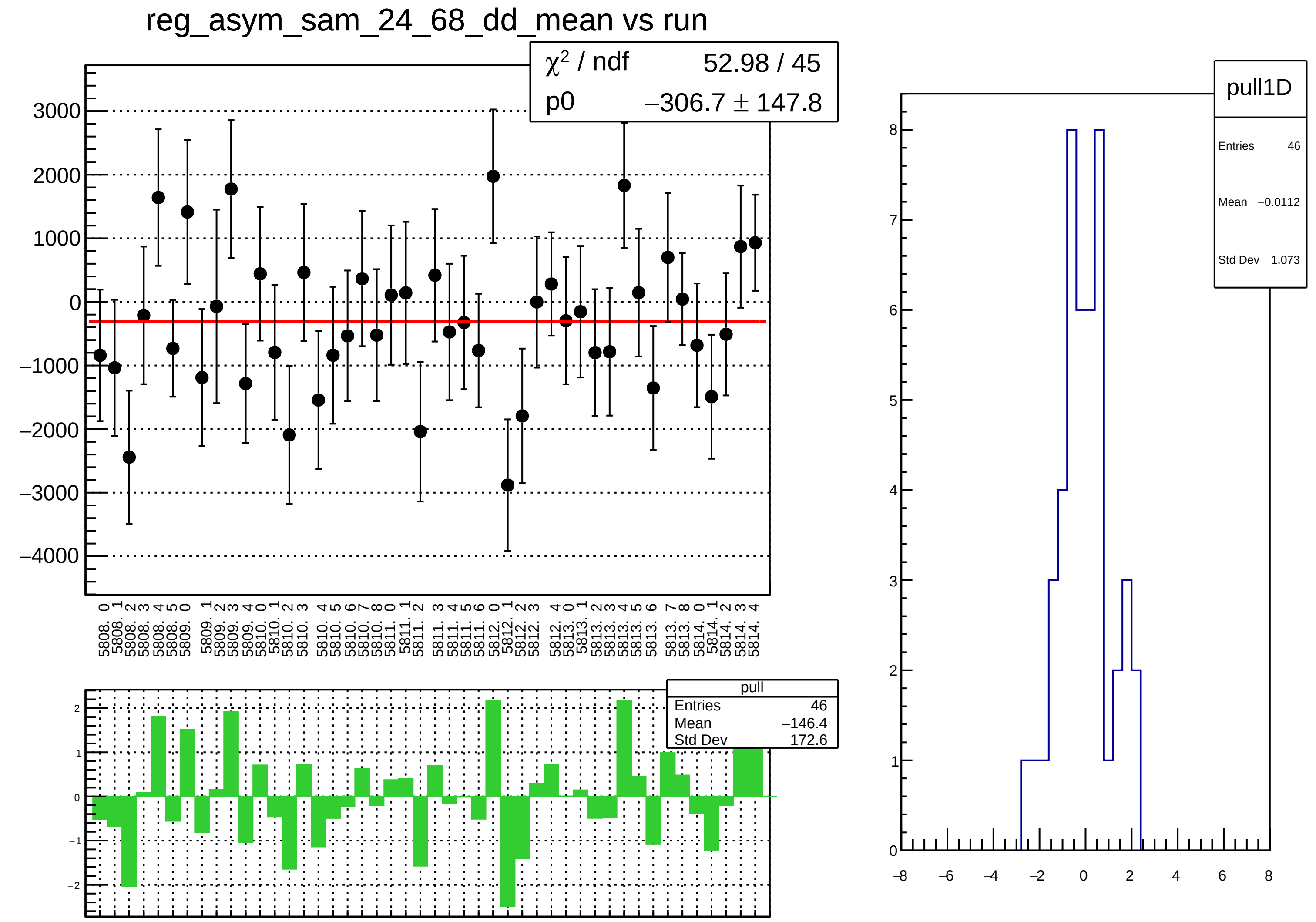
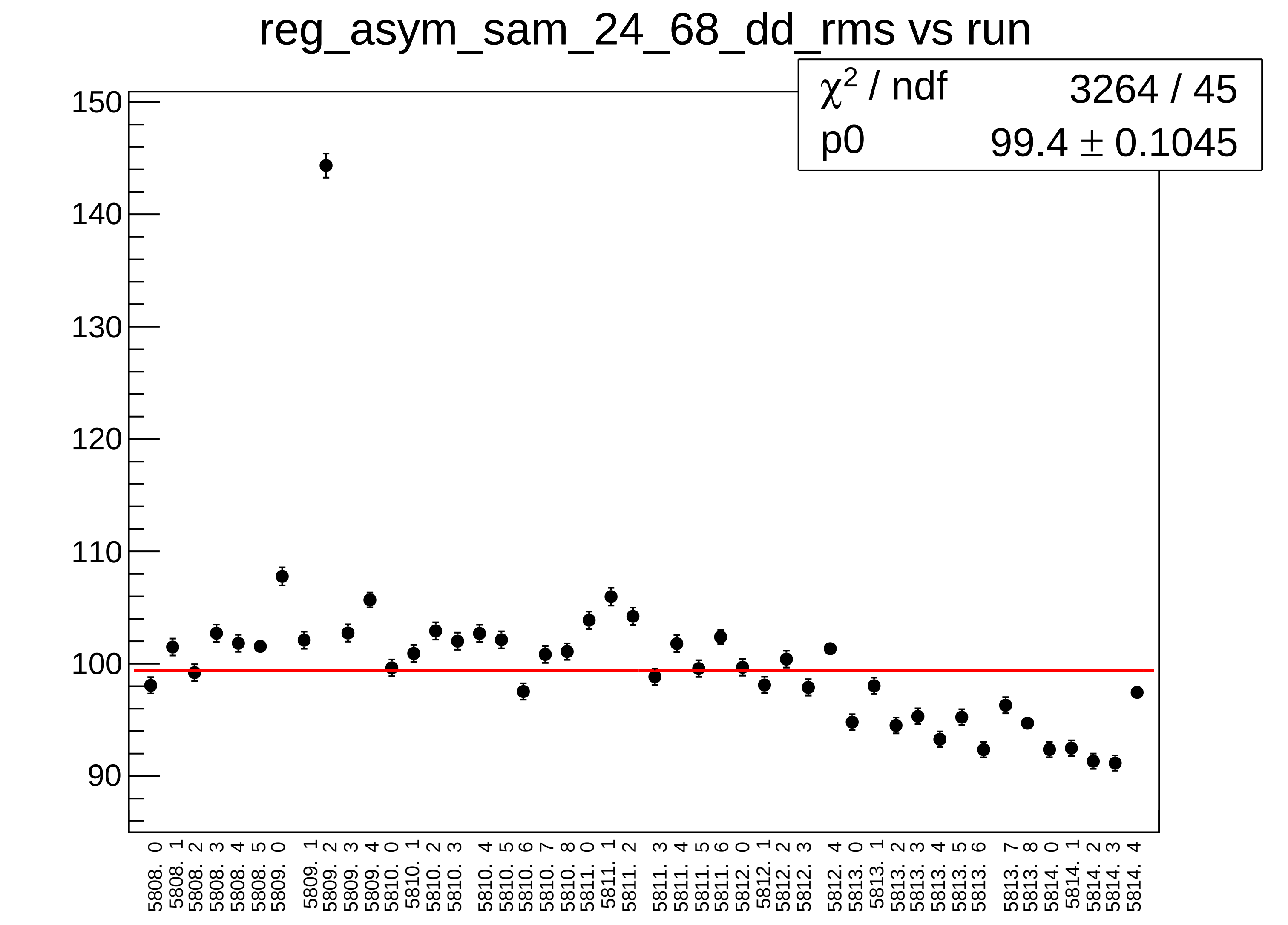
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_15_37_dd_mean vs run
χ^2 / ndf 52.66 / 45
p0 −1139 ± 516.9
pull
Entries 46
Mean −203.6
Std Dev 226
pull1D
Entries 46
Mean 0.01123
Std Dev 1.07


asym_sam_15_37_dd_rms vs run
χ2 / ndf 3743 / 45
p0 347.4 ± 0.3655
400
380
360
340
320
300



reg_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 52.98 / 45
p0 −306.7 ± 147.8
pull
Entries 46
Mean −146.4
Std Dev 172.6
pull1D
Entries 46
Mean −0.0112
Std Dev 1.073


reg_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3264 / 45
p0 99.4 ± 0.1045
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
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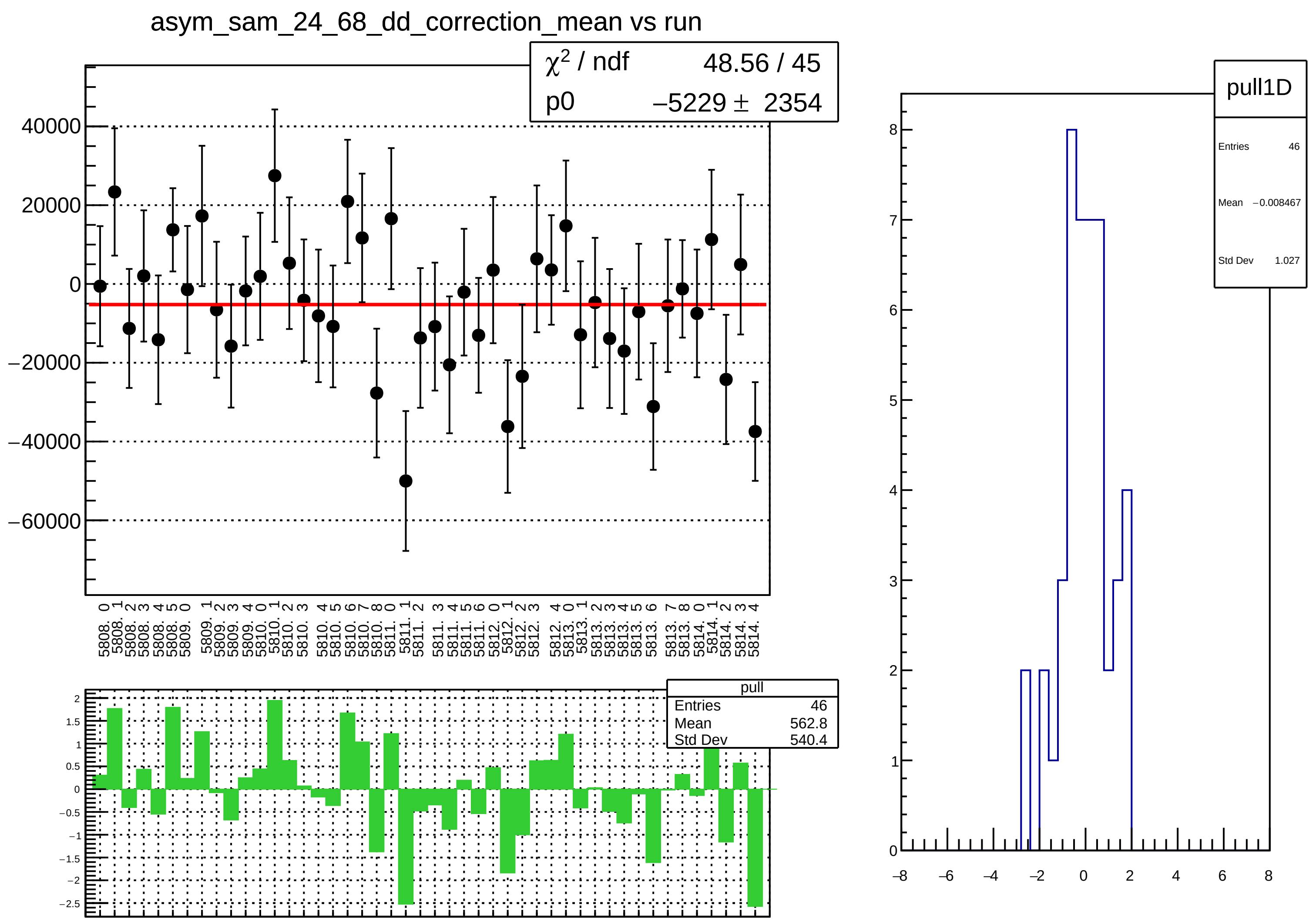
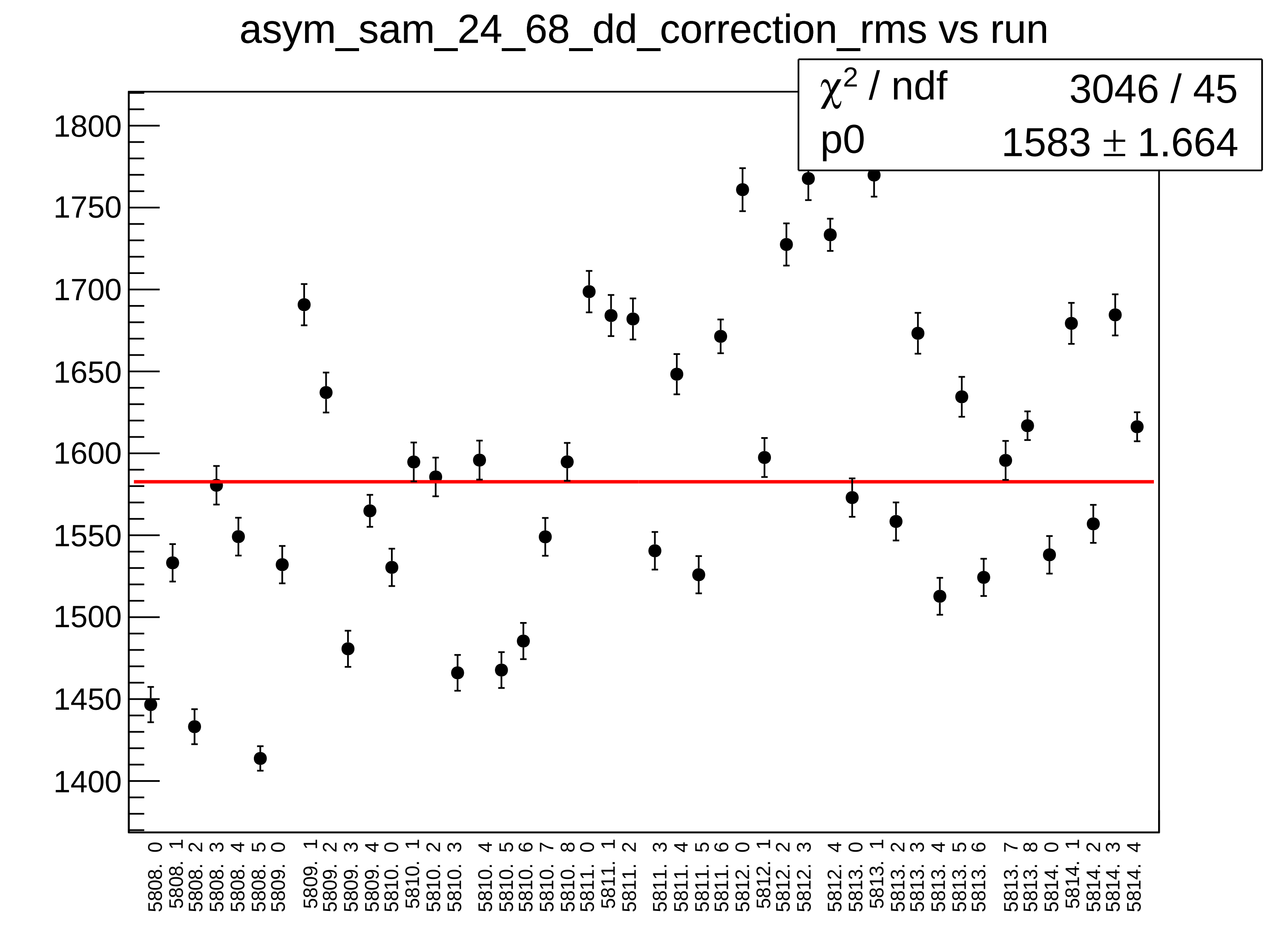


asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 48.56 / 45
p0 −5229 ± 2354
pull
Entries 46
Mean 562.8
Std Dev 540.4
pull1D
Entries 46
Mean −0.008467
Std Dev 1.027


asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 3046 / 45
p0 1583 ± 1.664
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 4
5813. 0
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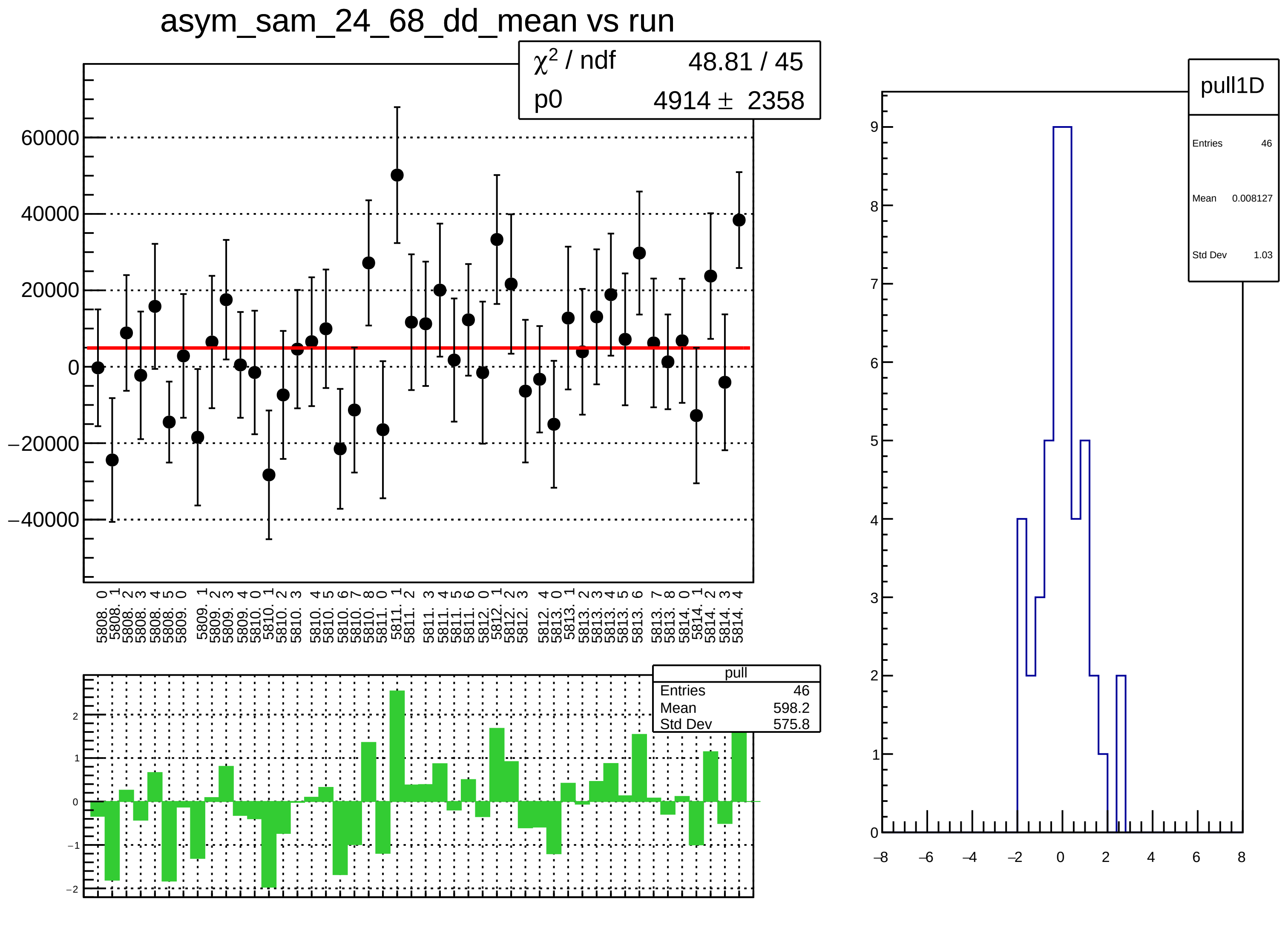
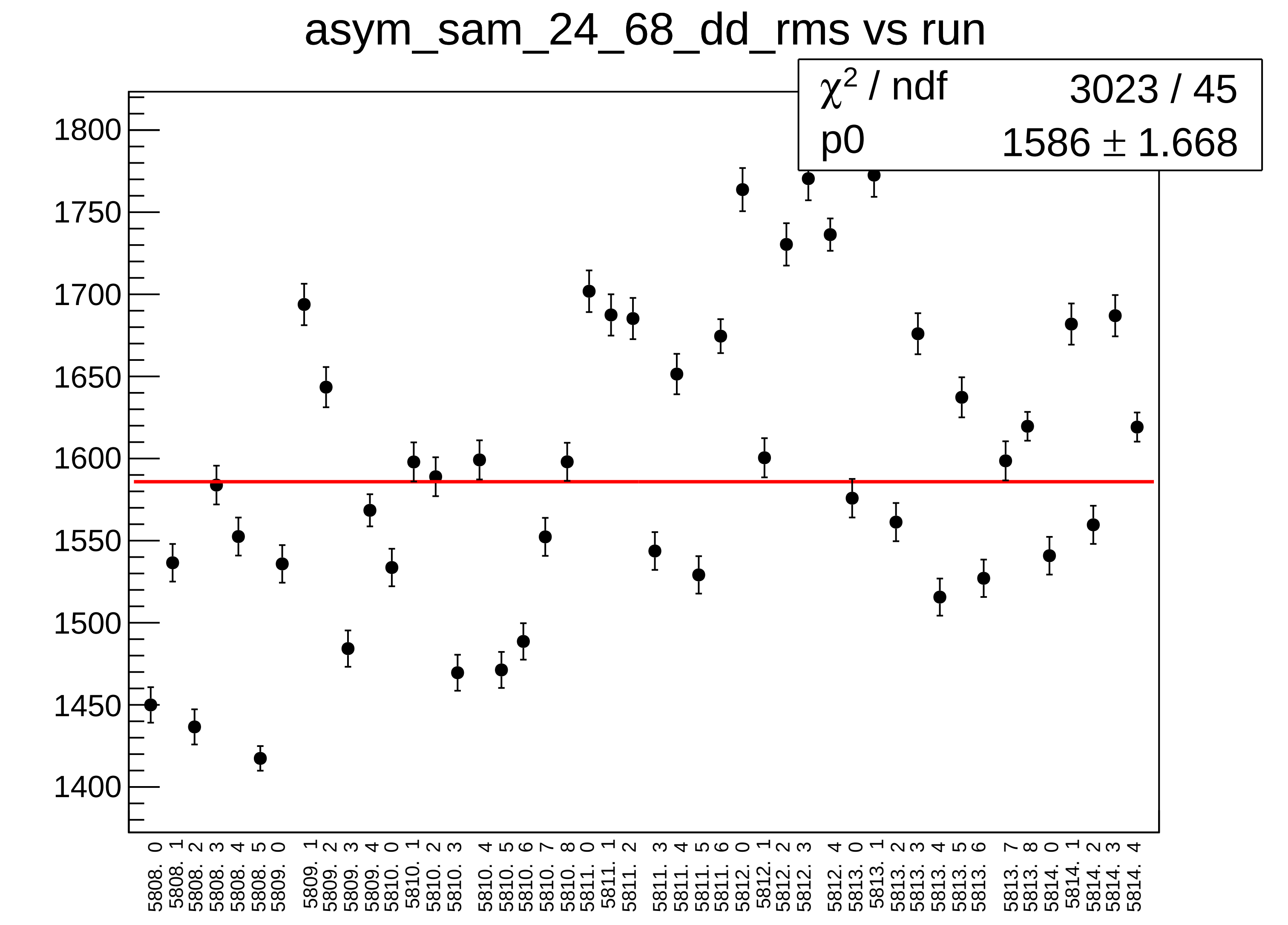
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_24_68_dd_mean vs run
χ^2 / ndf 48.81 / 45
p0 4914 ± 2358
pull
Entries 46
Mean 598.2
Std Dev 575.8
pull1D
Entries 46
Mean 0.008127
Std Dev 1.03



asym_sam_24_68_dd_rms vs run
χ^2 / ndf 3023 / 45
p0 1586 ± 1.668
1400
1450
1500
1550
1600
1650
1700
1750
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
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5813. 3
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5813. 8
5814. 0
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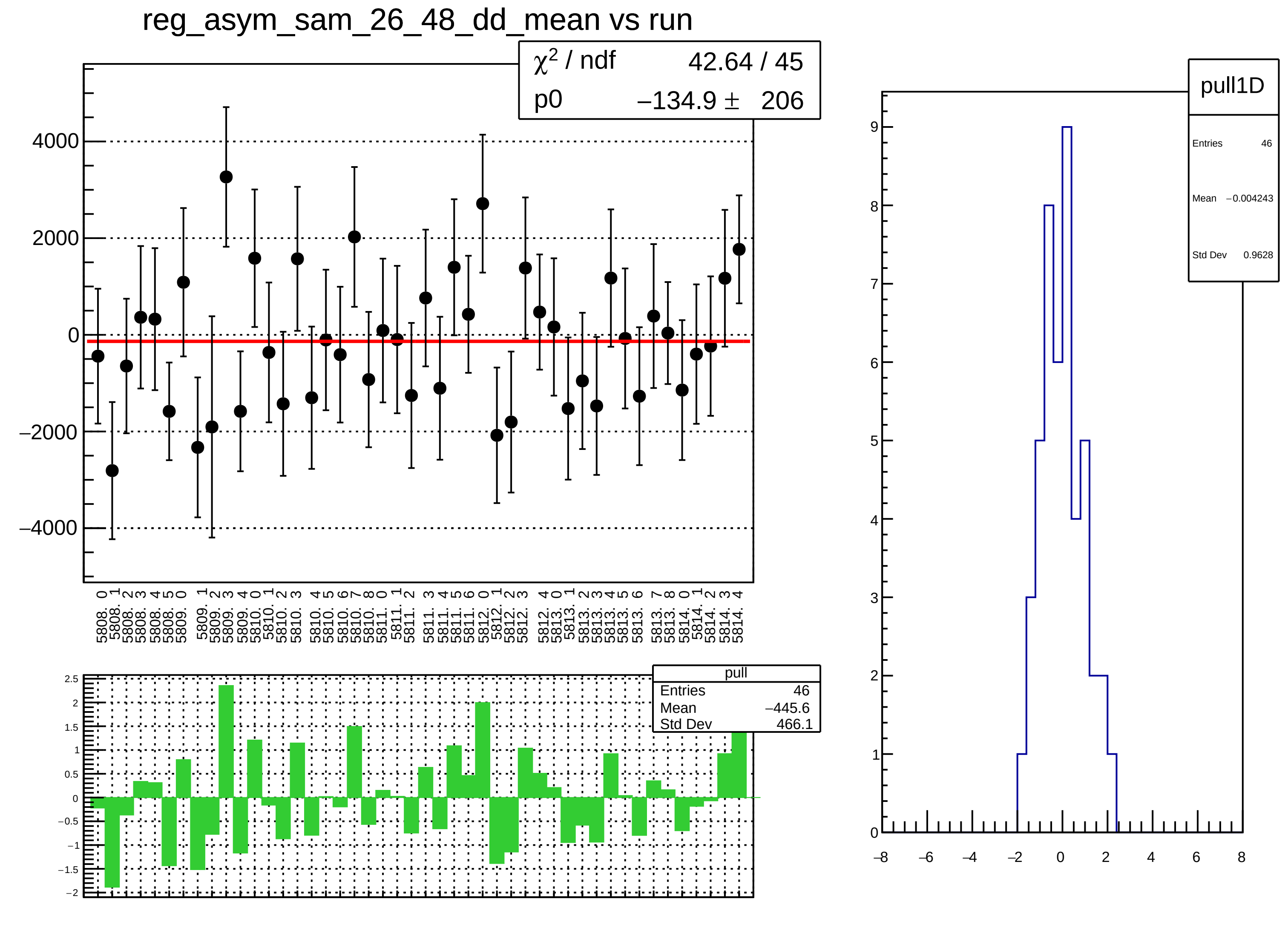
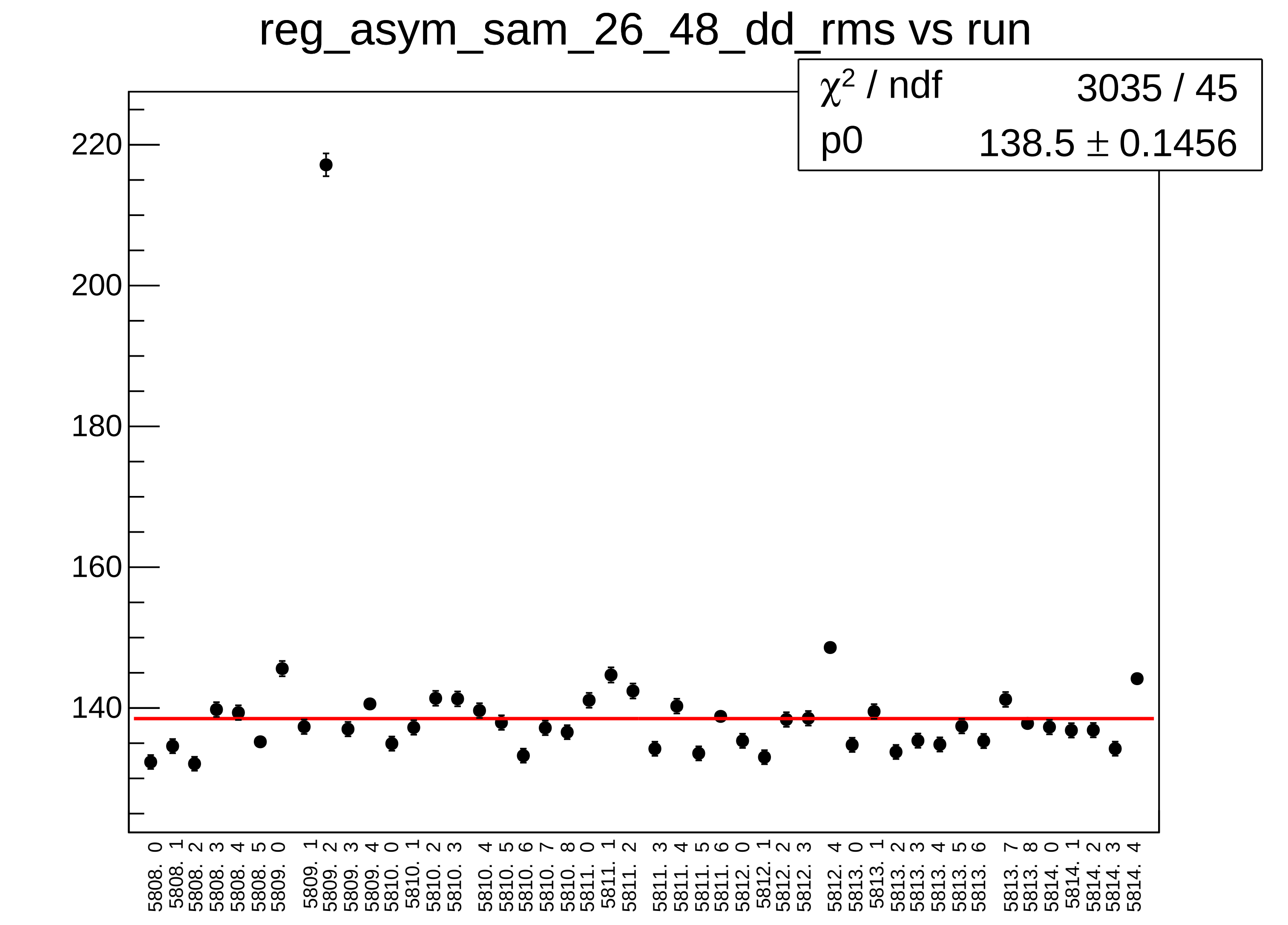
5814. 3
5814. 4



reg_asym_sam_26_48_dd_mean vs run
χ2 / ndf 42.64 / 45
p0 −134.9 ± 206
pull
Entries 46
Mean −445.6
Std Dev 466.1
pull1D
Entries 46
Mean −0.004243
Std Dev 0.9628



reg_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 3035 / 45
p0 138.5 ± 0.1456
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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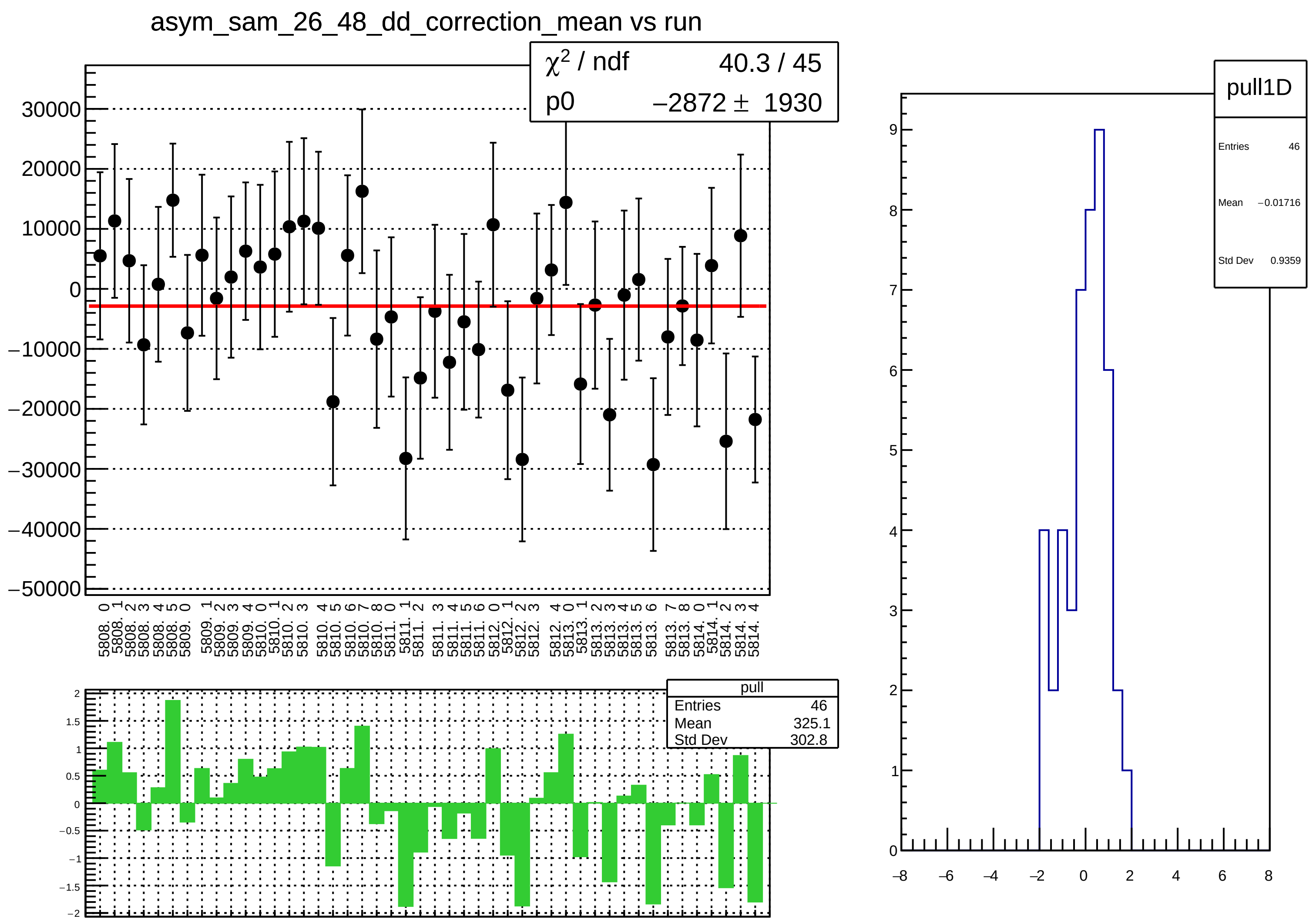
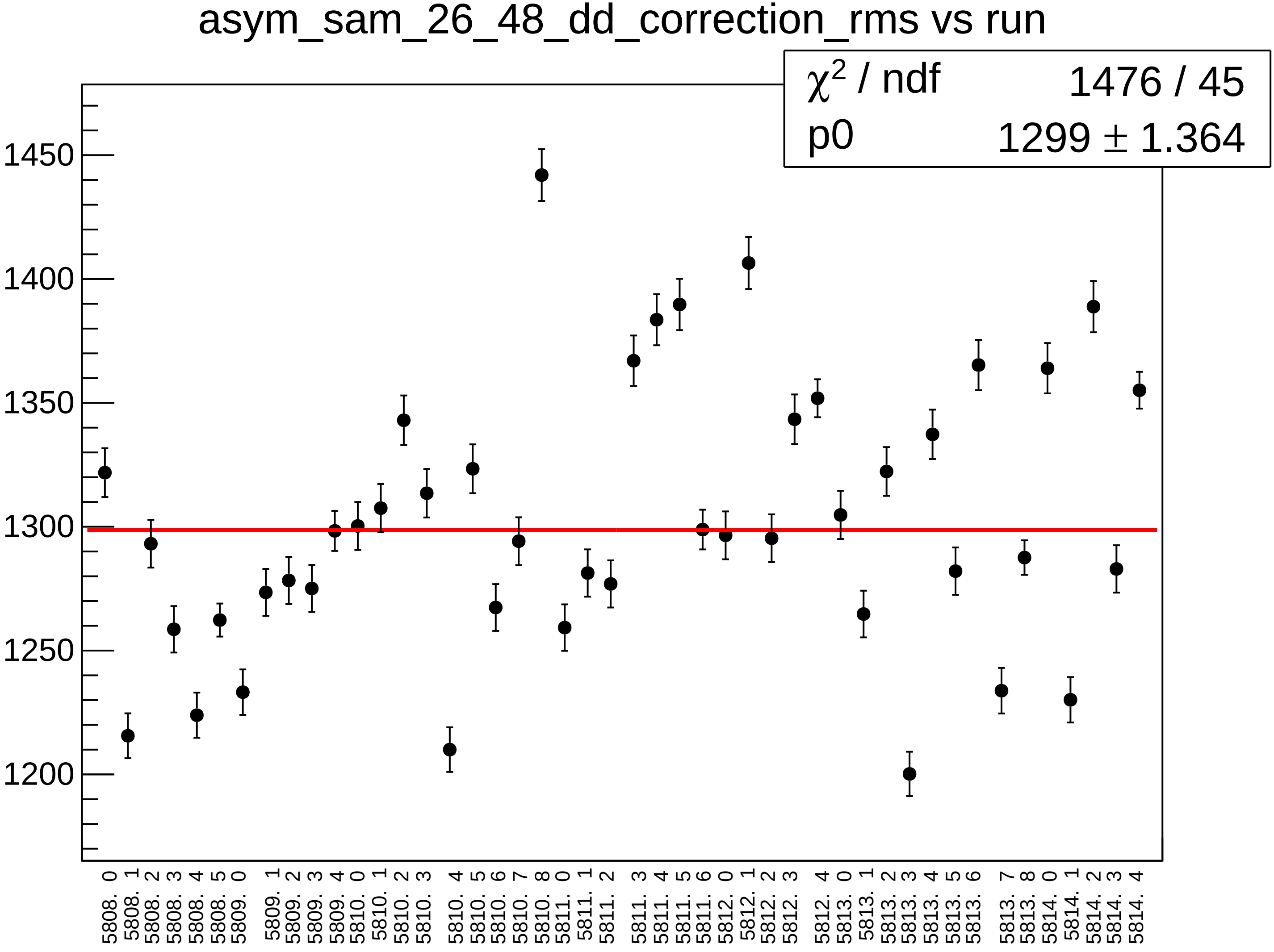
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 40.3 / 45
p0 −2872 ± 1930
pull
Entries 46
Mean 325.1
Std Dev 302.8
pull1D
Entries 46
Mean −0.01716
Std Dev 0.9359


asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 1476 / 45
p0 1299 ± 1.364
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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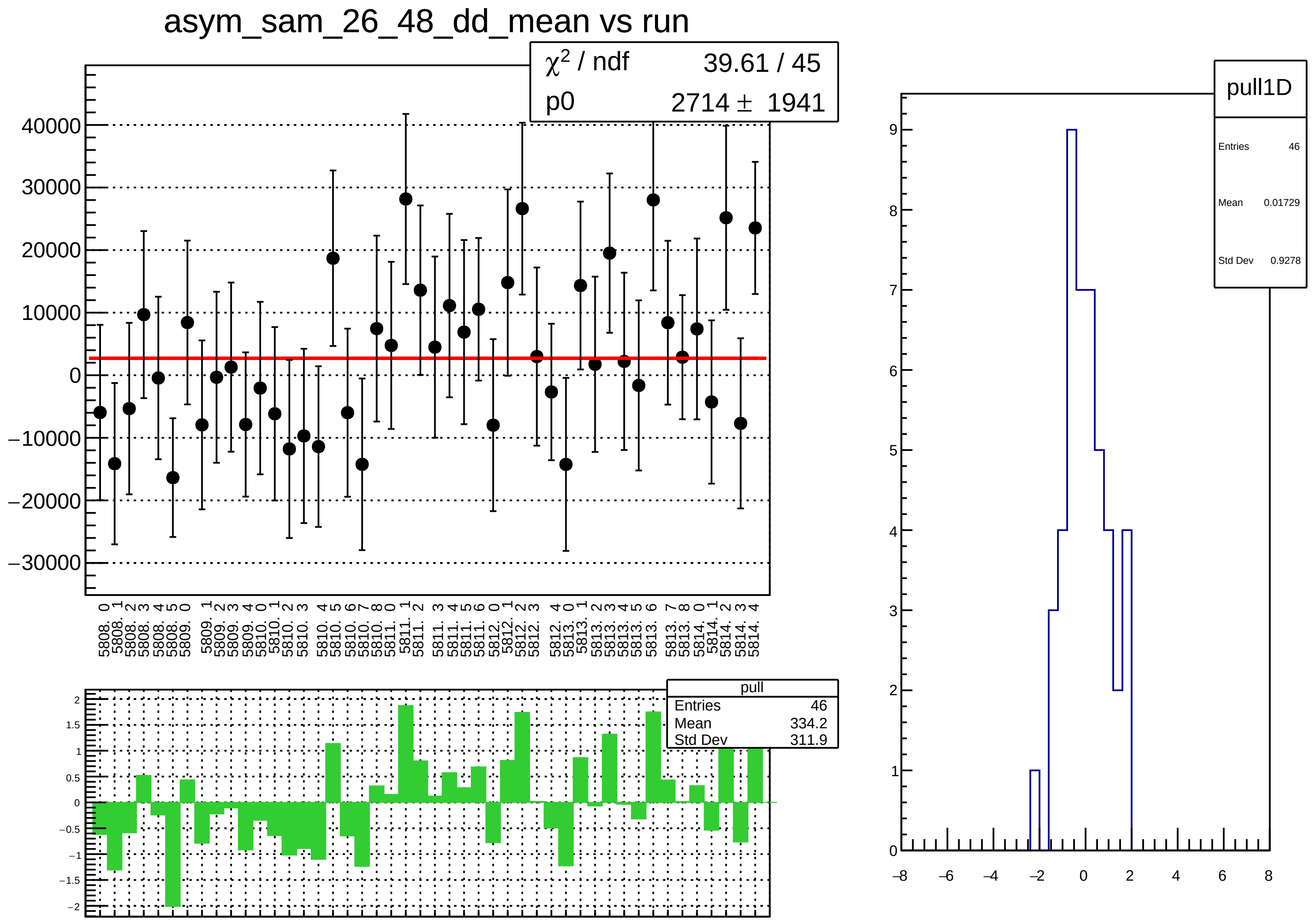
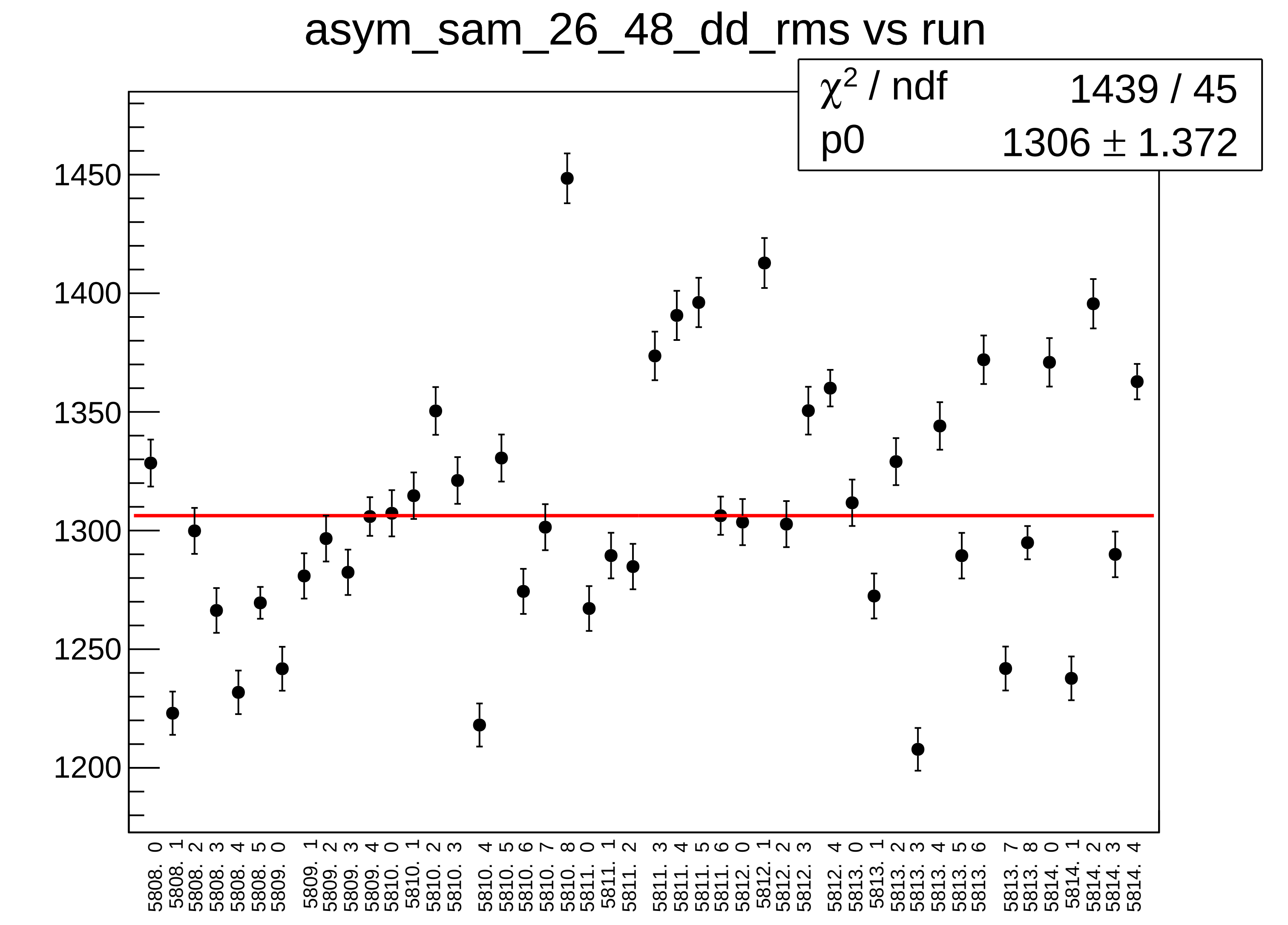
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_26_48_dd_mean vs run
χ^2 / ndf 39.61 / 45
p0 2714 ± 1941
pull
Entries 46
Mean 334.2
Std Dev 311.9
pull1D
Entries 46
Mean 0.01729
Std Dev 0.9278



asym_sam_26_48_dd_rms vs run
χ2 / ndf 1439 / 45
p0 1306 ± 1.372
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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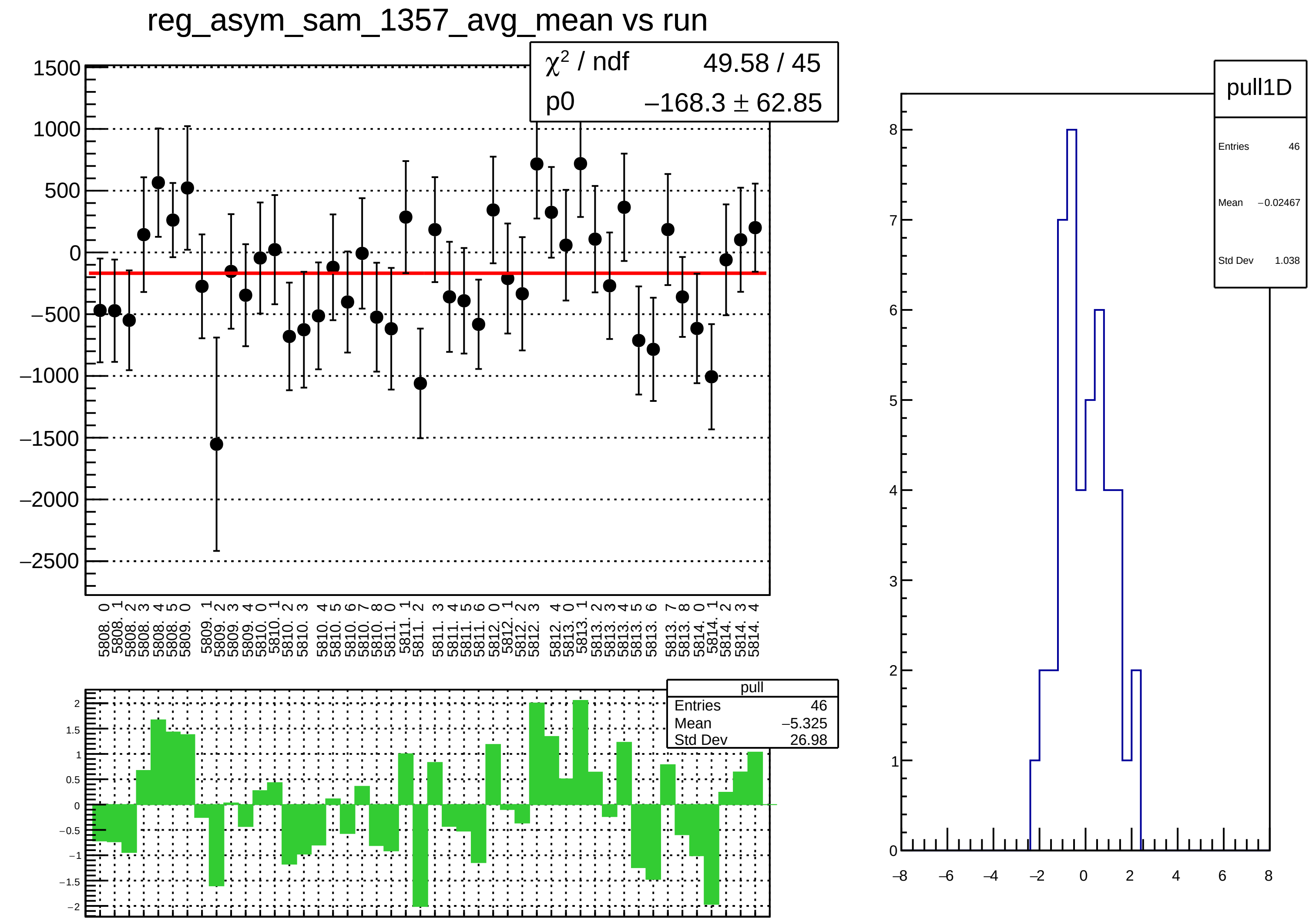
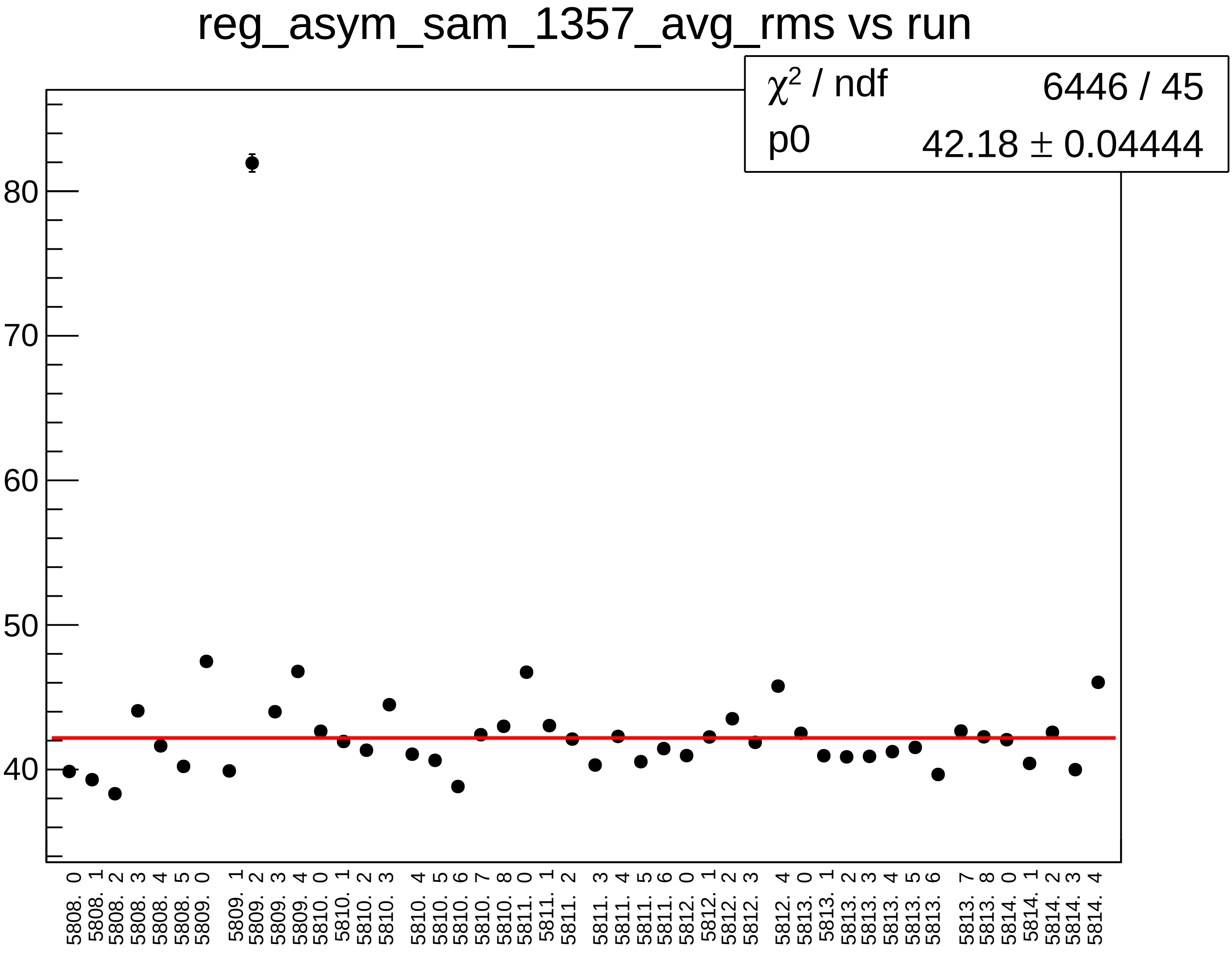
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



reg_asym_sam_1357_avg_mean vs run
χ^2 / ndf 49.58 / 45
p0 −168.3 ± 62.85
pull
Entries 46
Mean −5.325
Std Dev 26.98
pull1D
Entries 46
Mean −0.02467
Std Dev 1.038



reg_asym_sam_1357_avg_rms vs run
χ^2 / ndf 6446 / 45
p0 42.18 ± 0.04444
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
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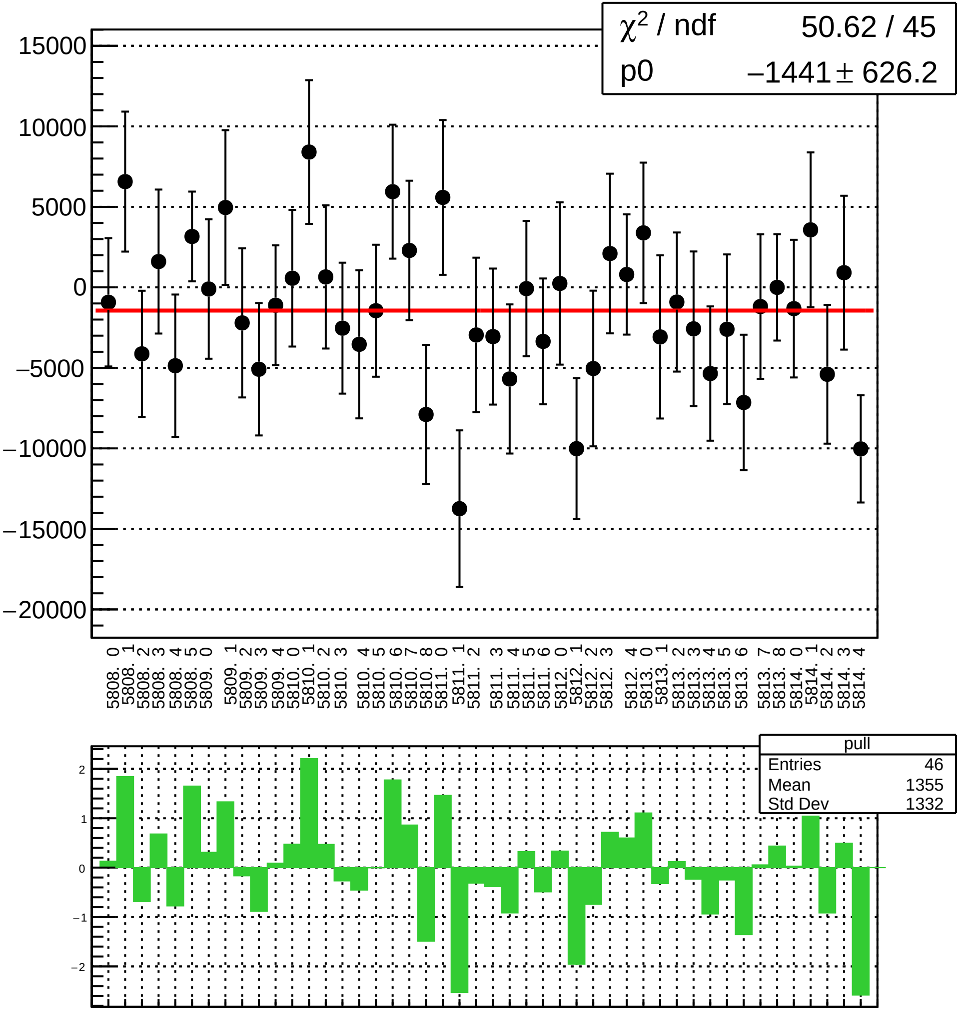
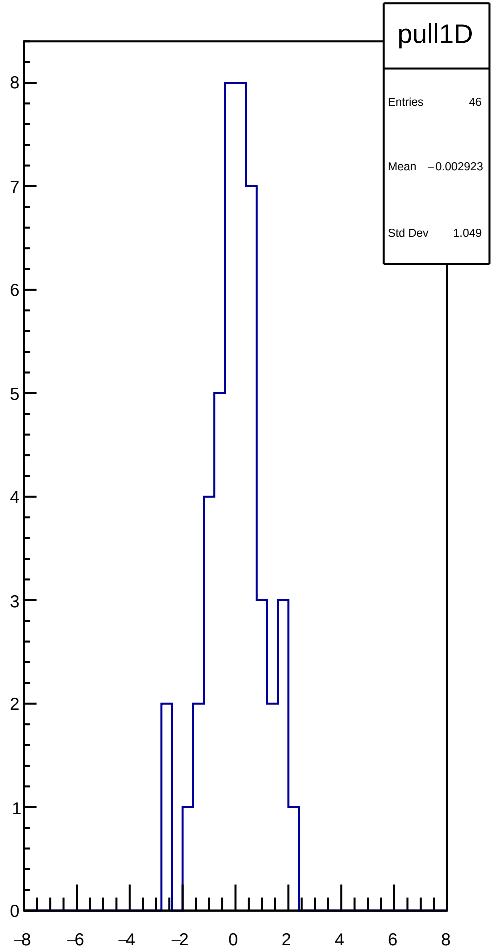
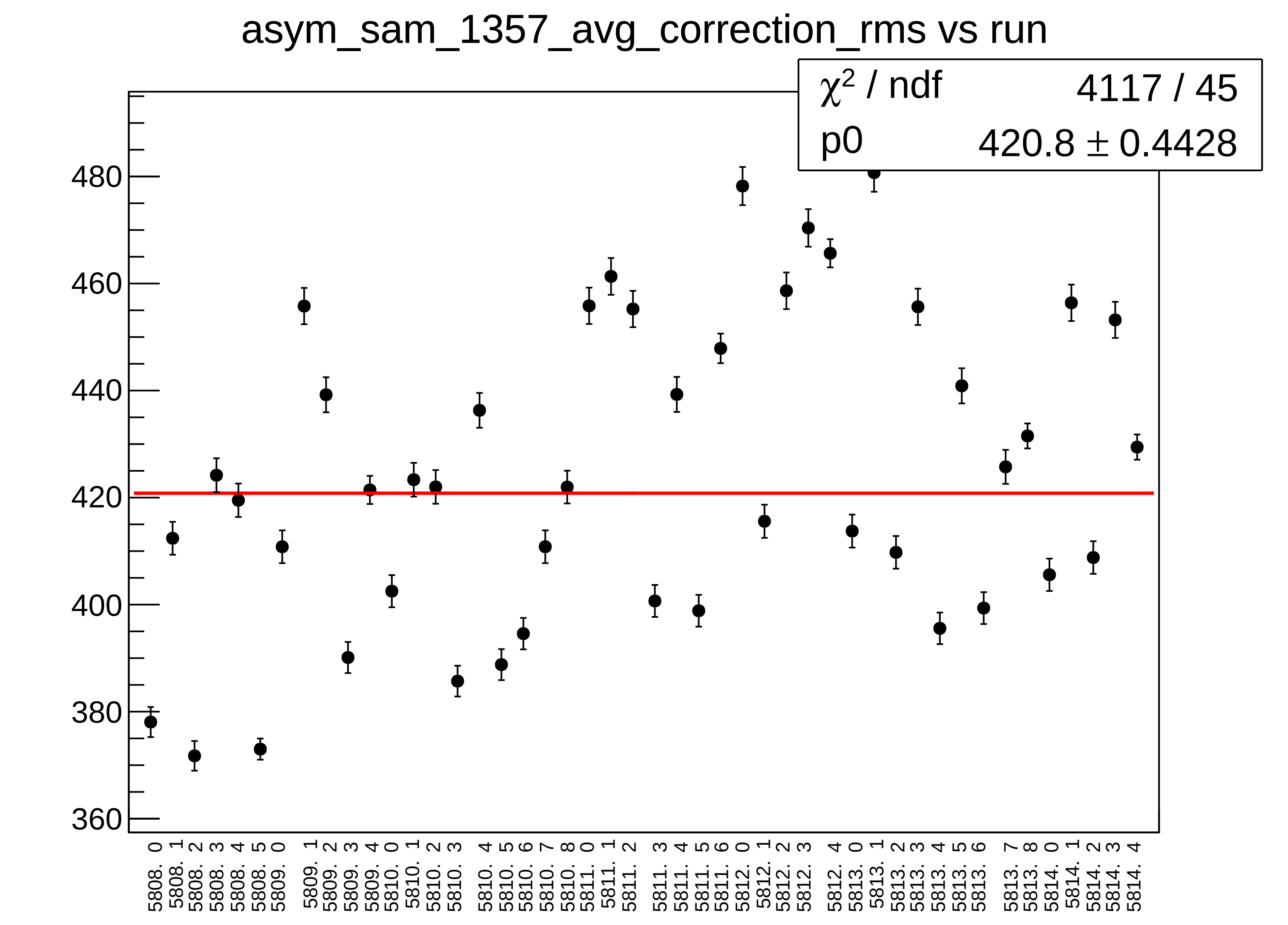
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

asym_sam_1357_avg_correction_mean vs run






asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 4117 / 45
p0 420.8 ± 0.4428
360
380
400
420
440
460
480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
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5813. 2
5813. 3
5813. 4
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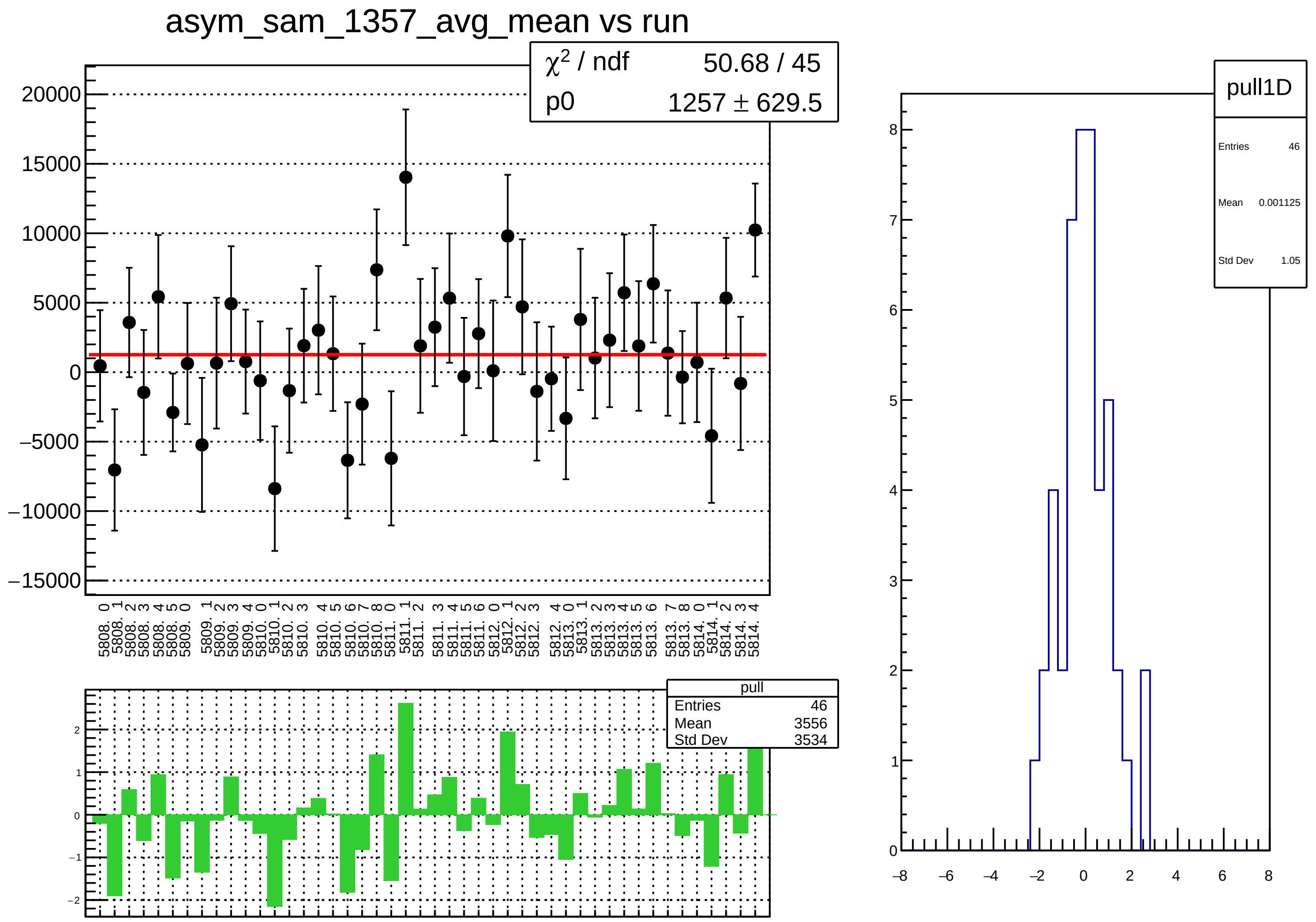
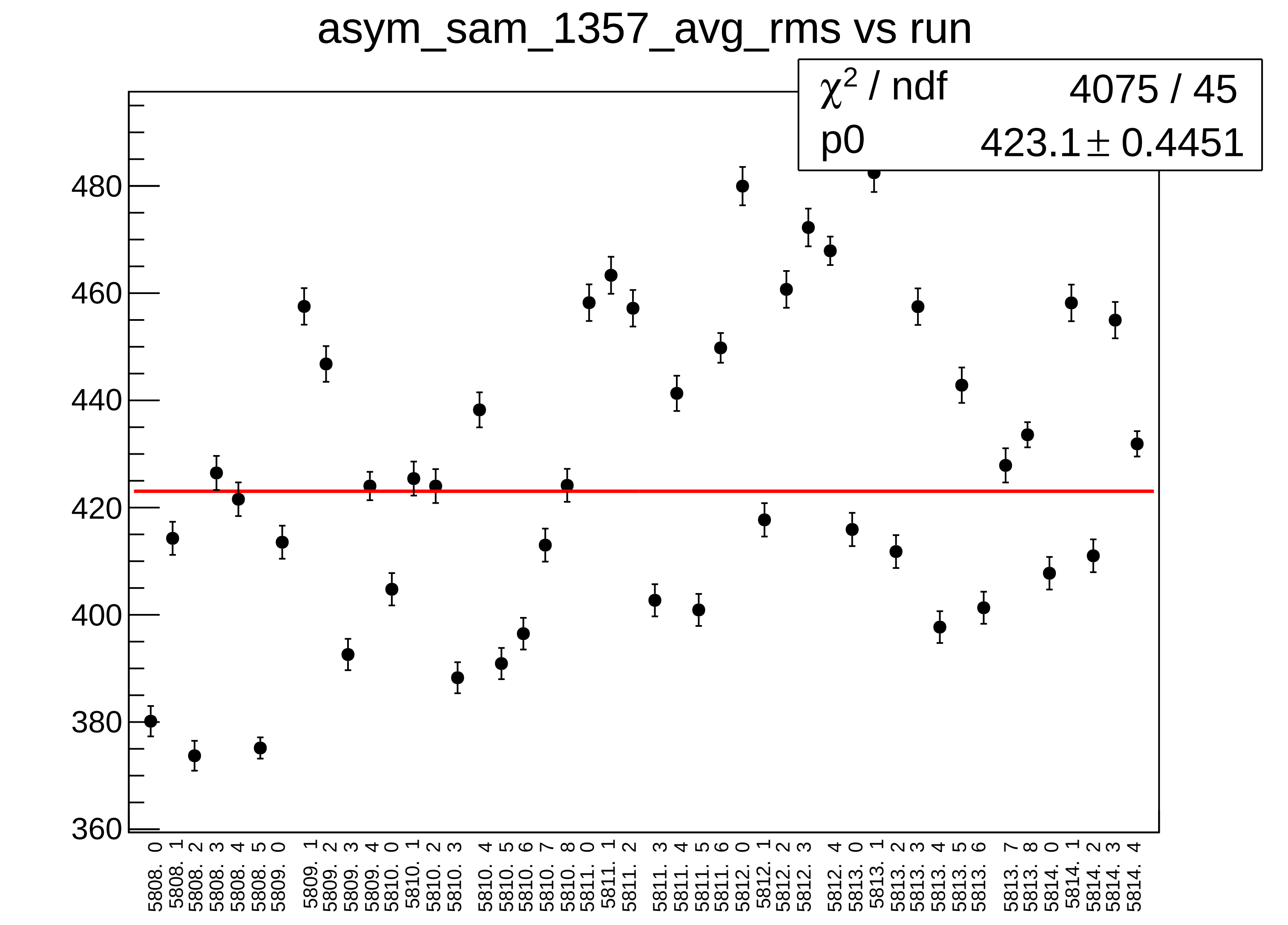
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_1357_avg_mean vs run
χ^2 / ndf 50.68 / 45
p0 1257 ± 629.5
pull
Entries 46
Mean 3556
Std Dev 3534
pull1D
Entries 46
Mean 0.001125
Std Dev 1.05


asym_sam_1357_avg_rms vs run
χ^2 / ndf 4075 / 45
p0 423.1 ± 0.4451
360
380
400
420
440
460
480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
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5811. 0
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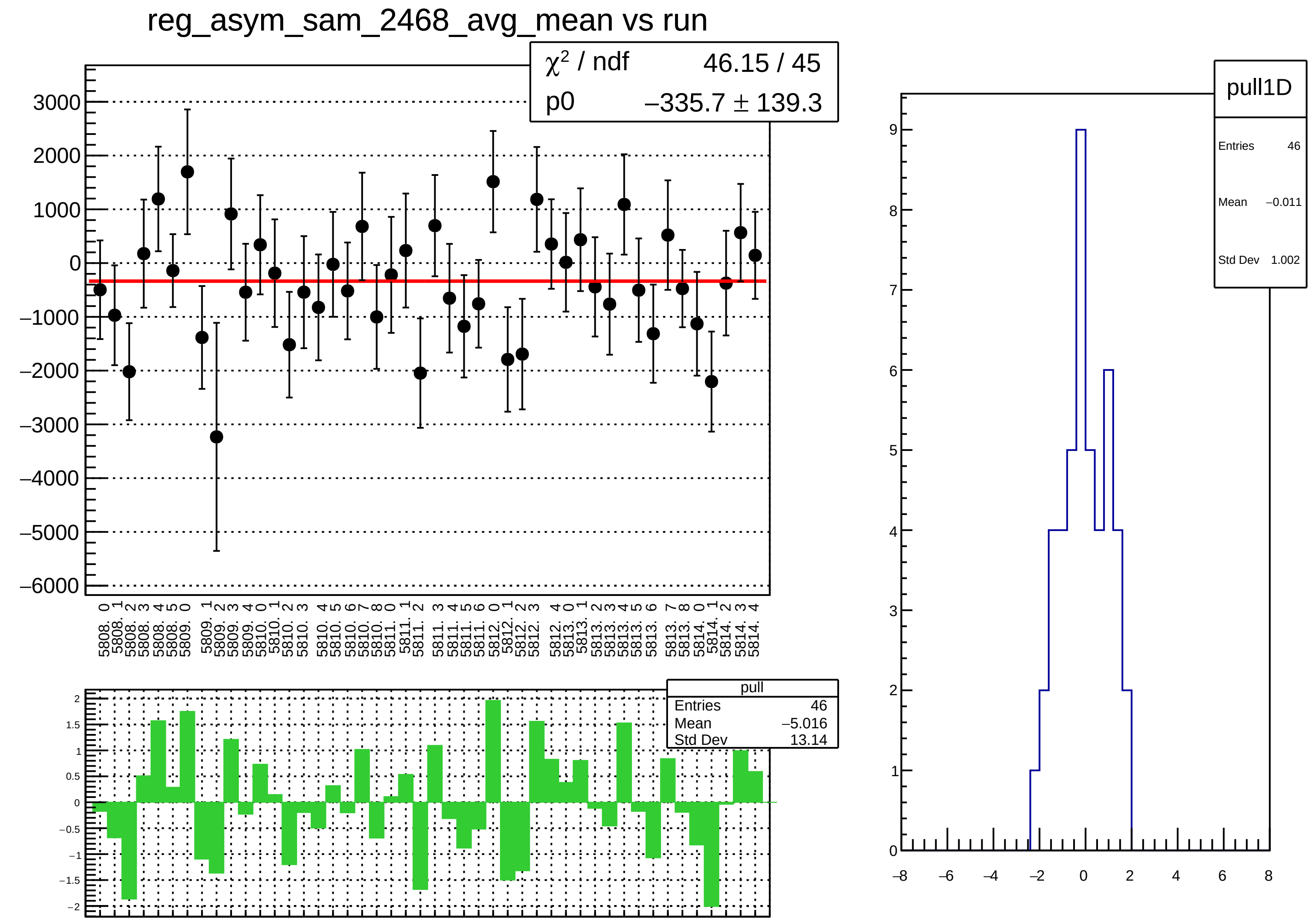
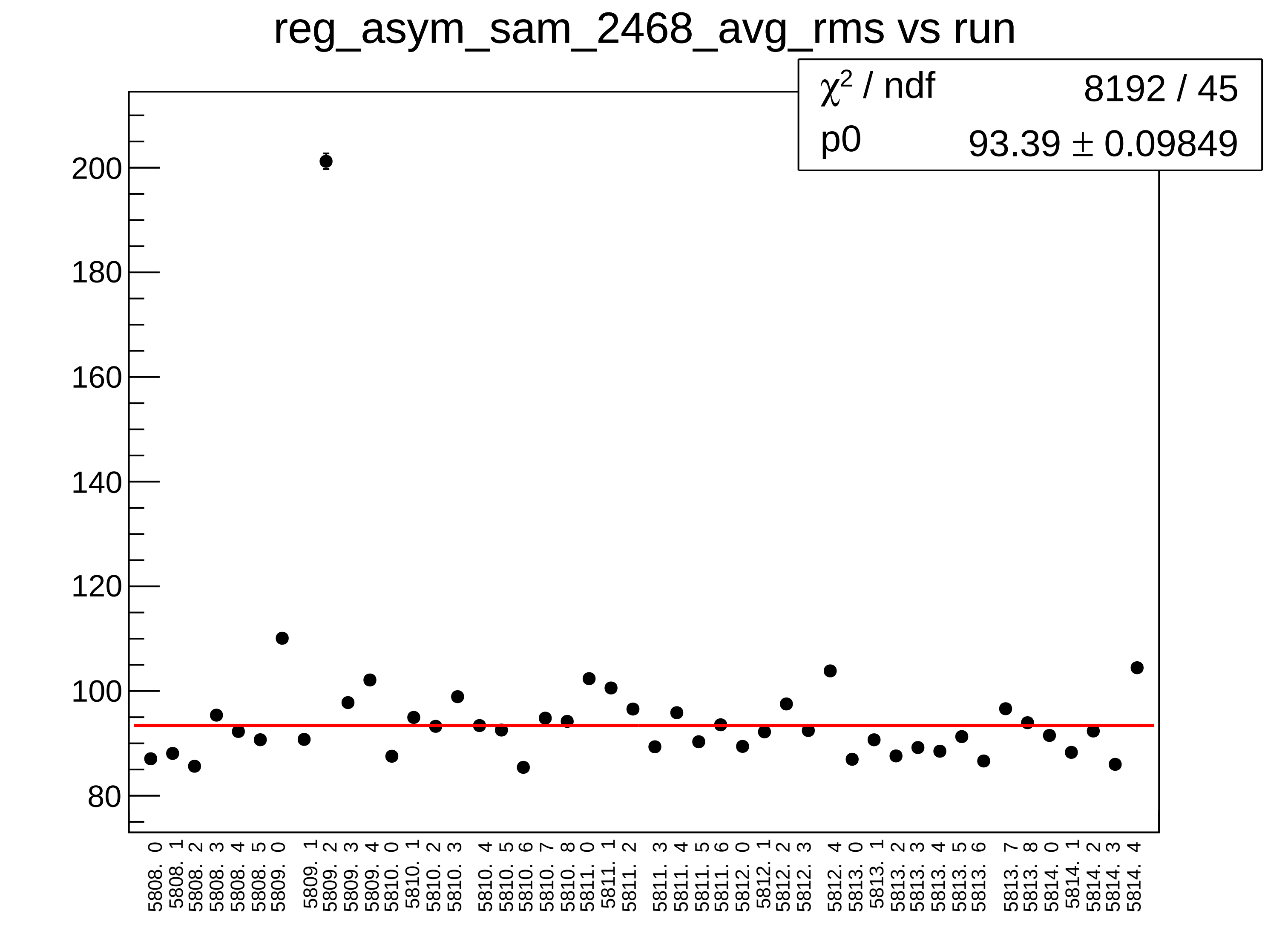
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


reg_asym_sam_2468_avg_mean vs run
χ^2 / ndf 46.15 / 45
p0 −335.7 ± 139.3
pull
Entries 46
Mean −5.016
Std Dev 13.14
pull1D
Entries 46
Mean −0.011
Std Dev 1.002



reg_asym_sam_2468_avg_rms vs run
χ^2 / ndf 8192 / 45
p0 93.39 ± 0.09849
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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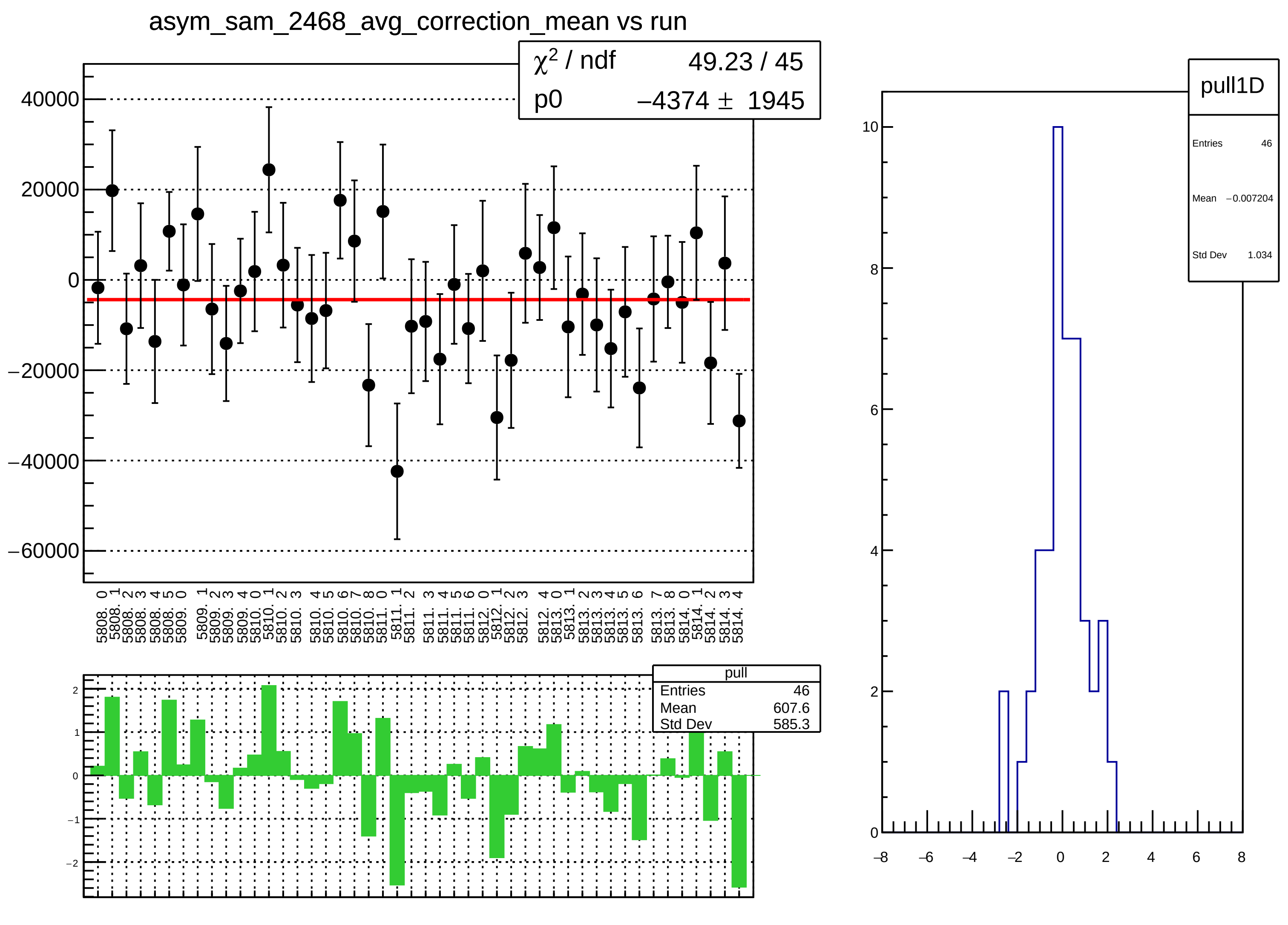
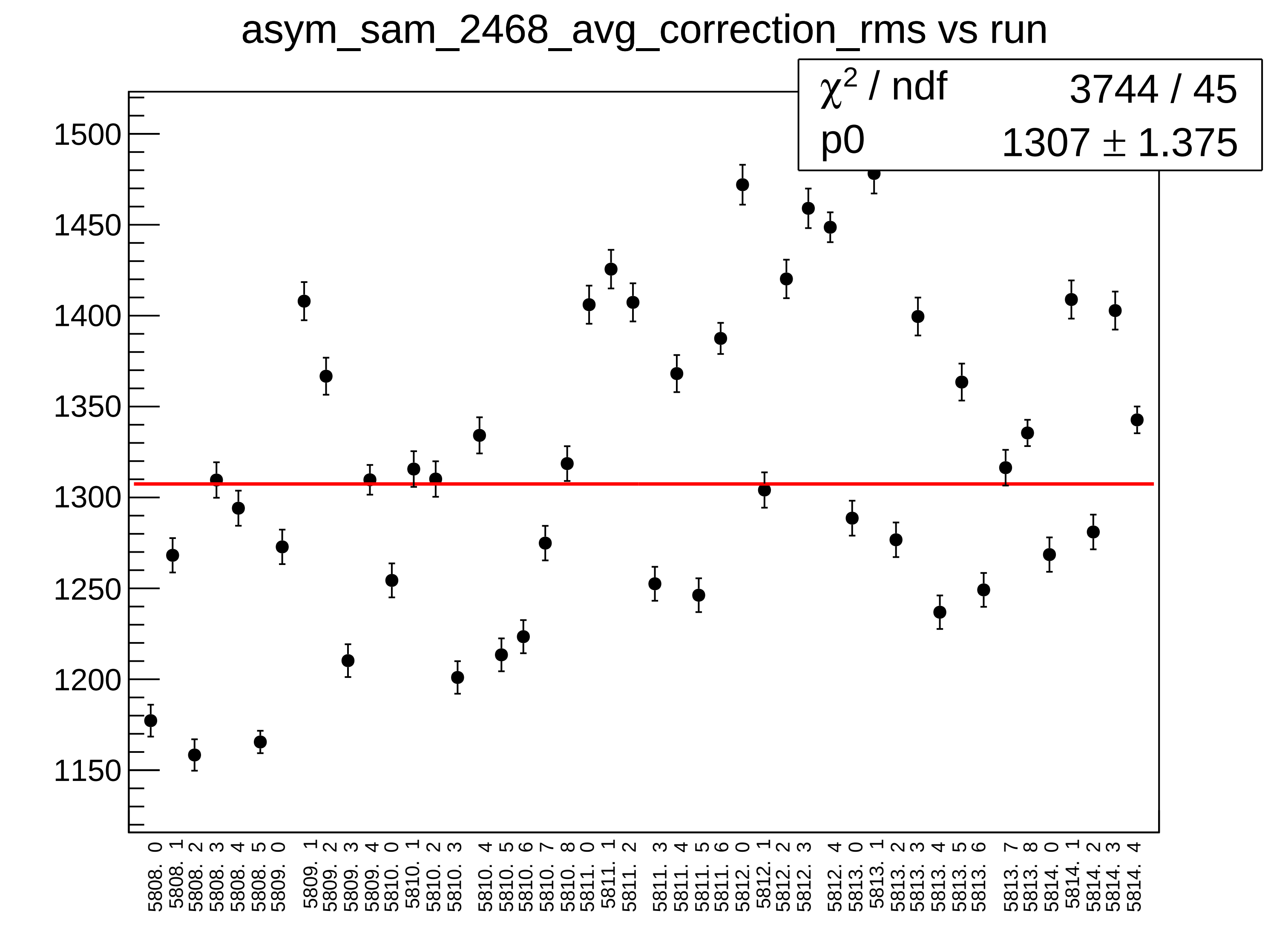
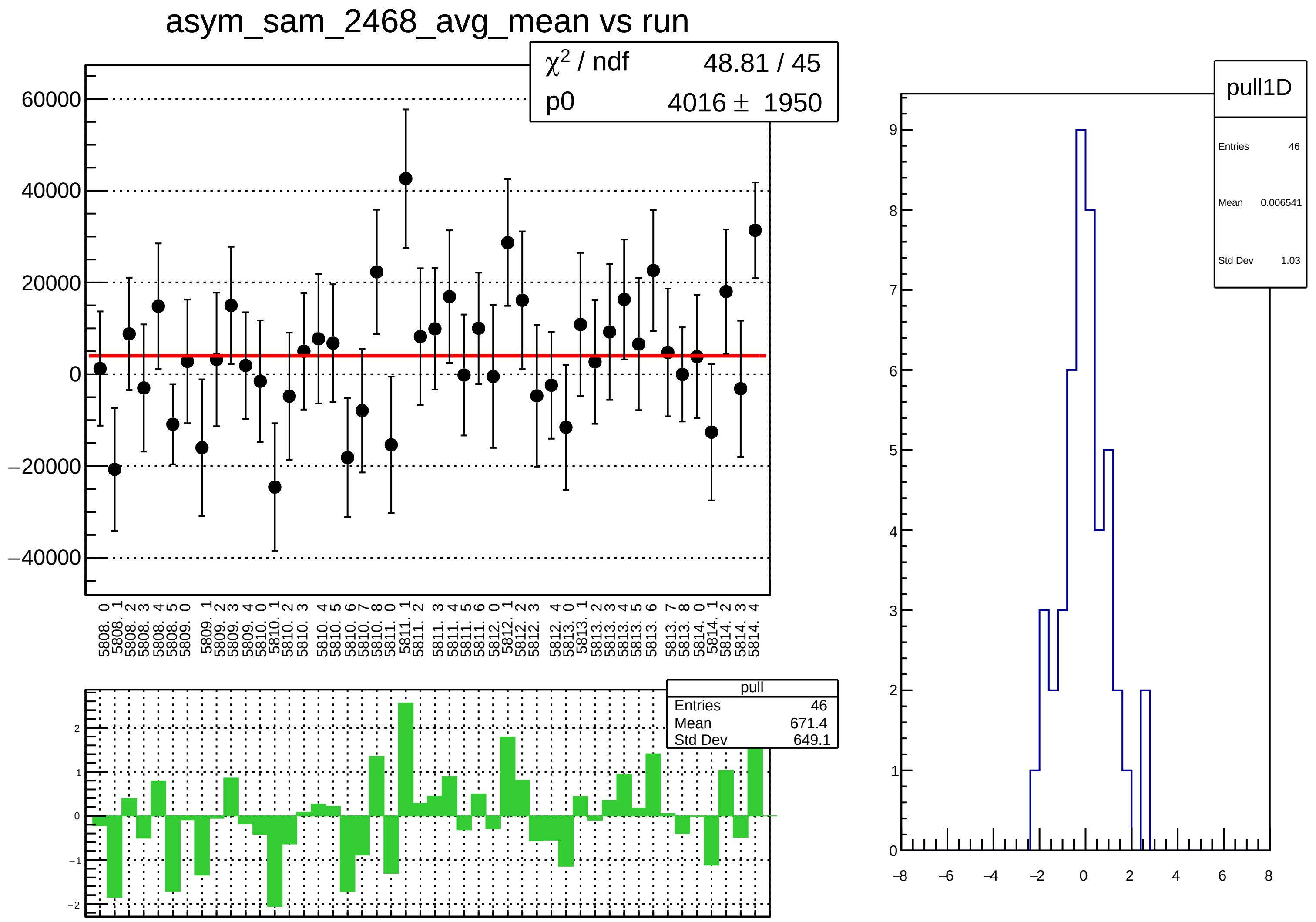
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



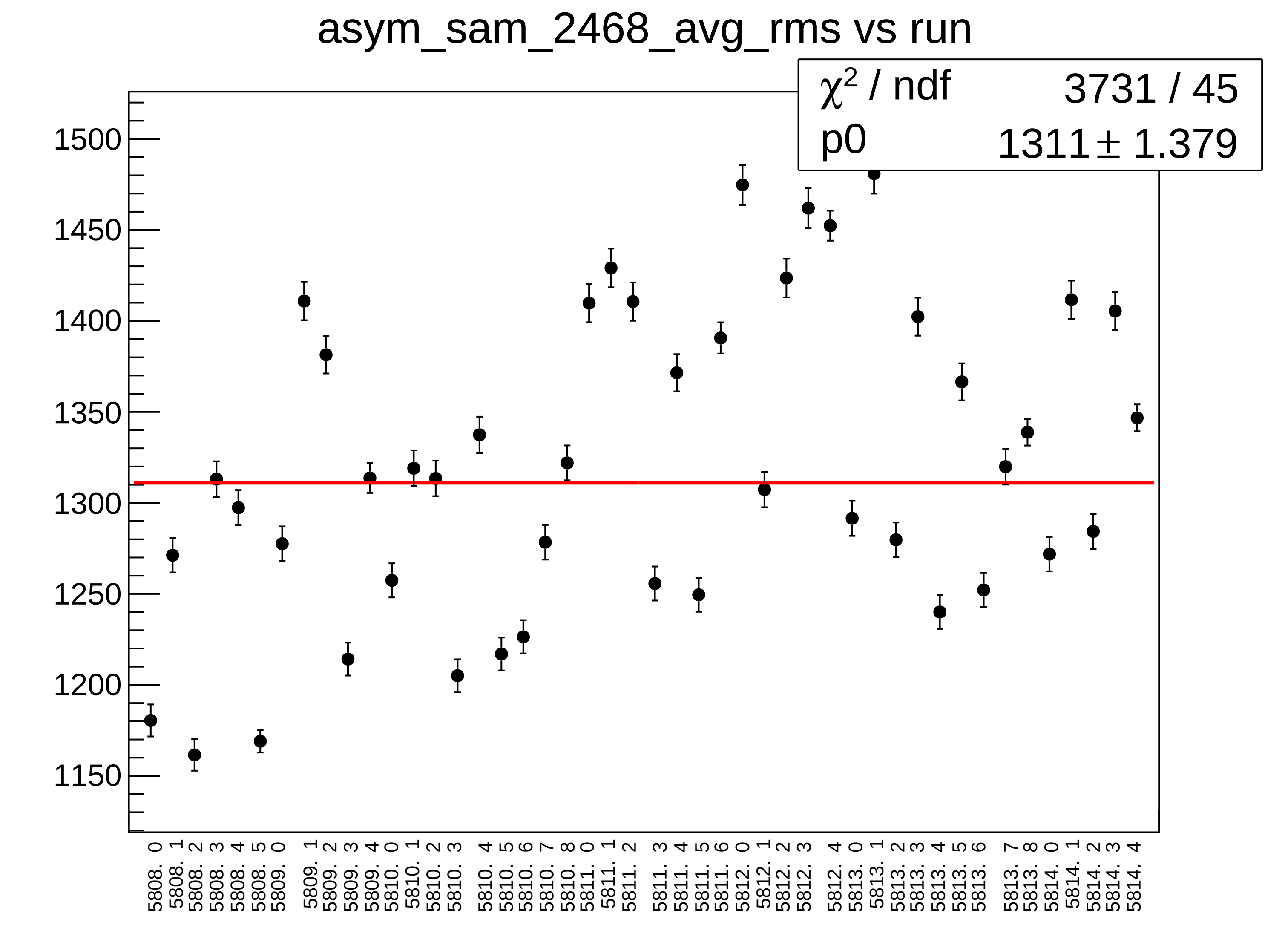
asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 49.23 / 45
p0 −4374 ± 1945
40000
20000
0
−20000
−40000
−60000
pull
Entries 46
Mean 607.6
Std Dev 585.3
pull1D
Entries 46
Mean −0.007204
Std Dev 1.034



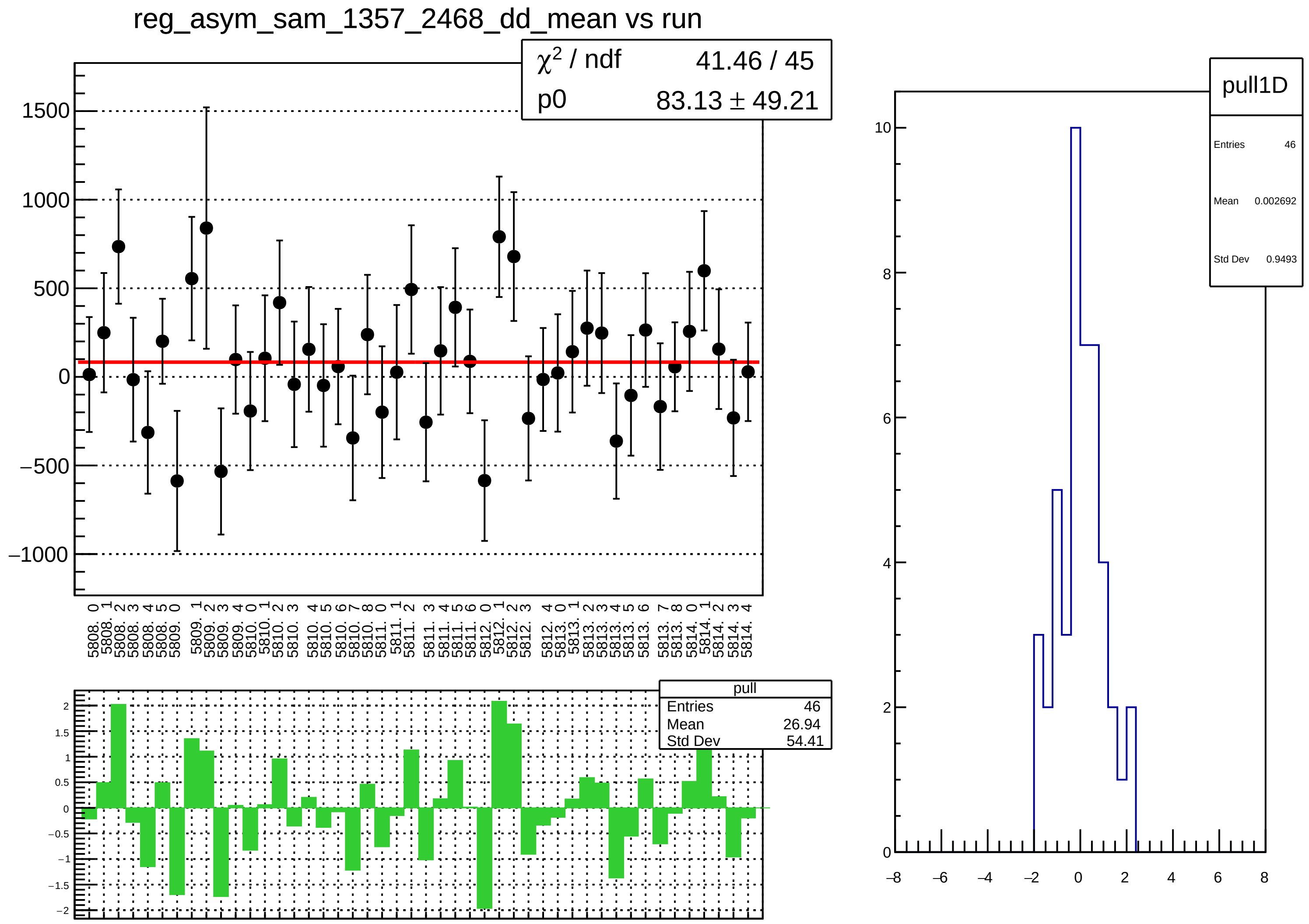
asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 3744 / 45
p0 1307 ± 1.375
1500
1450
1400
1350
1300
1250
1200
1150



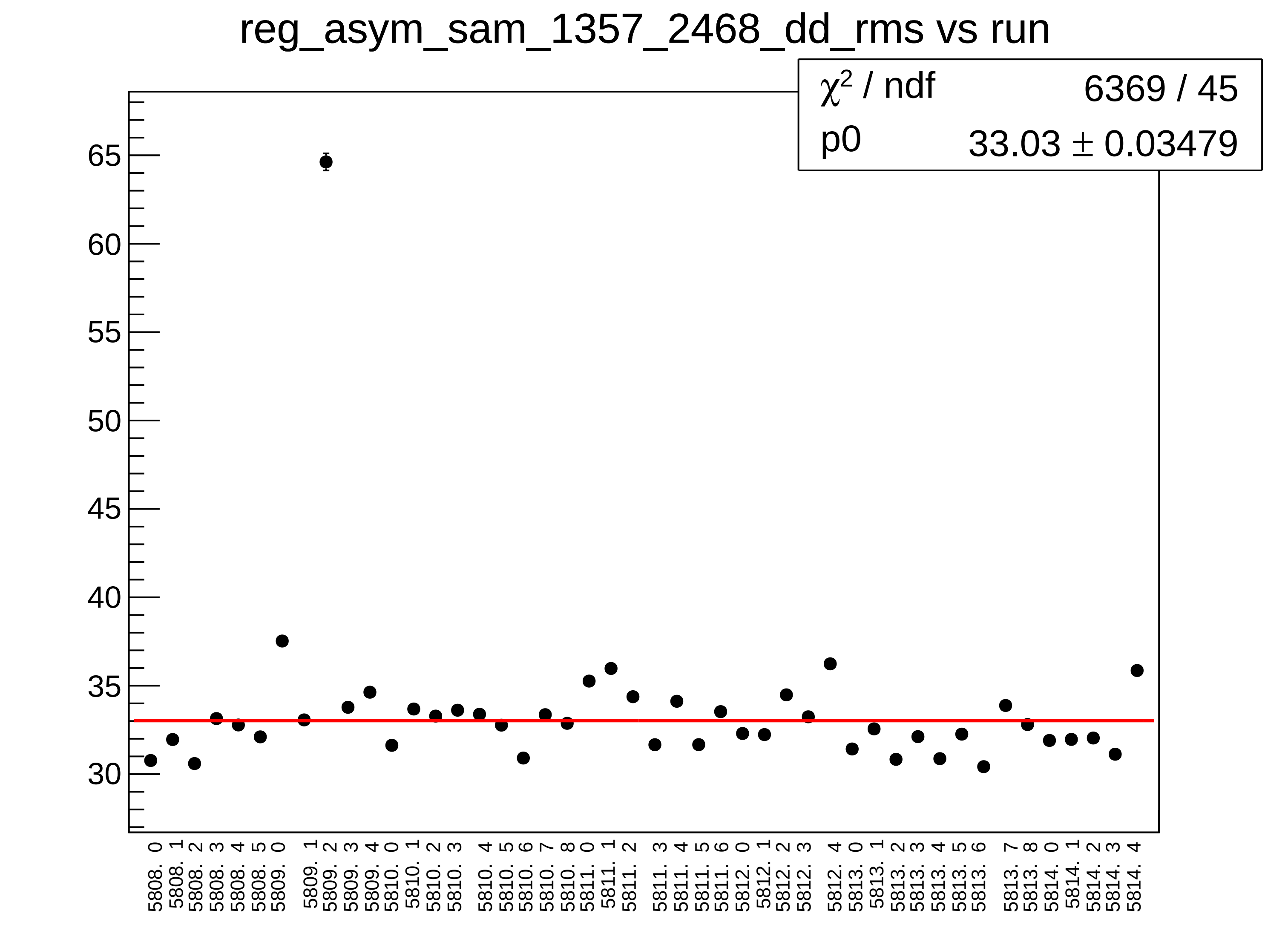
asym_sam_2468_avg_mean vs run
χ^2 / ndf 48.81 / 45
p0 4016 ± 1950
pull
Entries 46
Mean 671.4
Std Dev 649.1
pull1D
Entries 46
Mean 0.006541
Std Dev 1.03



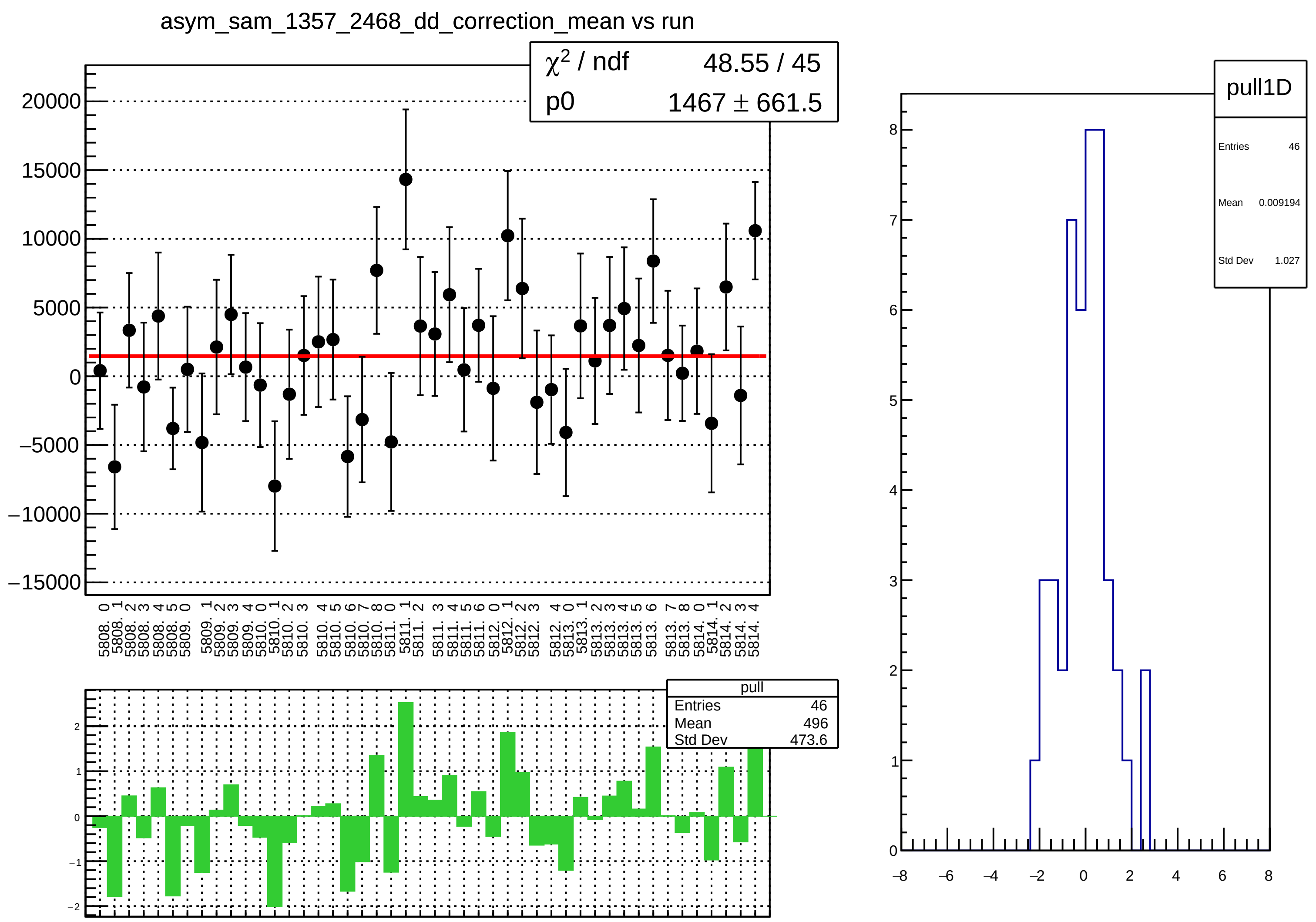
asym_sam_2468_avg_rms vs run
χ^2 / ndf 3731 / 45
p0 1311 ± 1.379
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



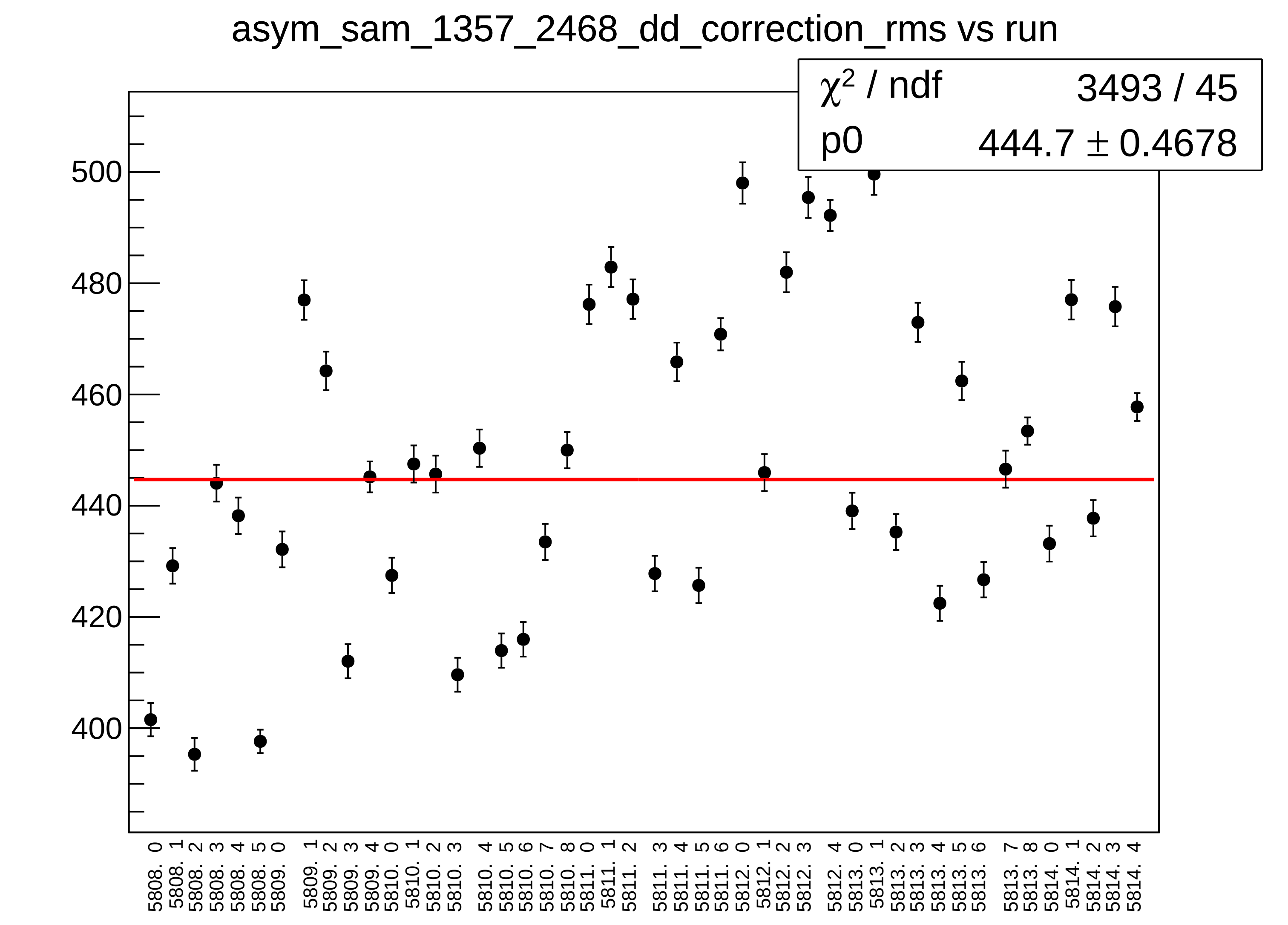
reg_asym_sam_1357_2468_dd_mean vs run
χ2 / ndf 41.46 / 45
p0 83.13 ± 49.21
pull
Entries 46
Mean 26.94
Std Dev 54.41
pull1D
Entries 46
Mean 0.002692
Std Dev 0.9493



reg_asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 6369 / 45
p0 33.03 ± 0.03479
65
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_1357_2468_dd_correction_mean vs run
χ^2 / ndf 48.55 / 45
p0 1467 ± 661.5
pull
Entries 46
Mean 496
Std Dev 473.6
pull1D
Entries 46
Mean 0.009194
Std Dev 1.027


asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 3493 / 45
p0 444.7 ± 0.4678
500
480
460
440
420
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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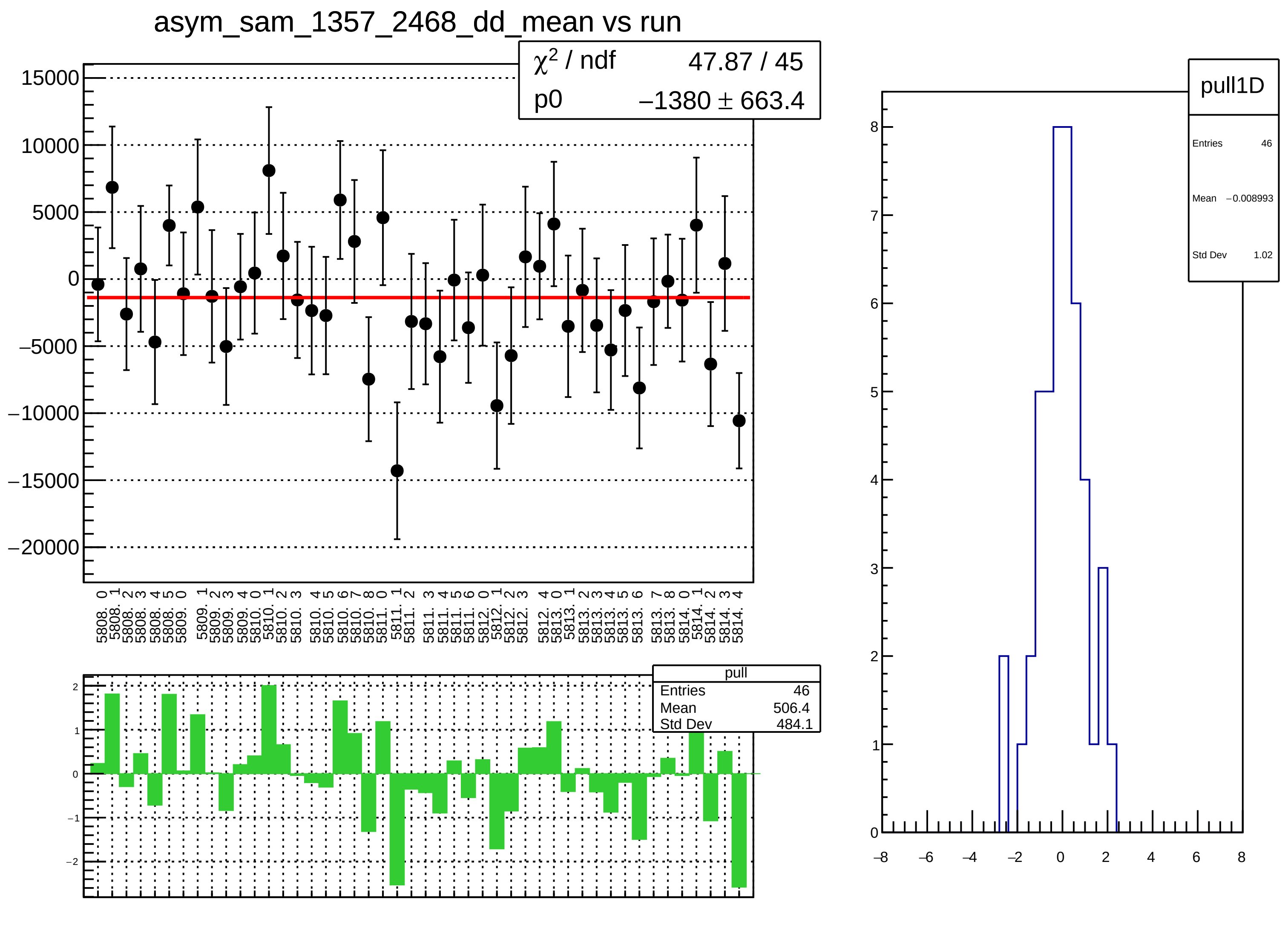
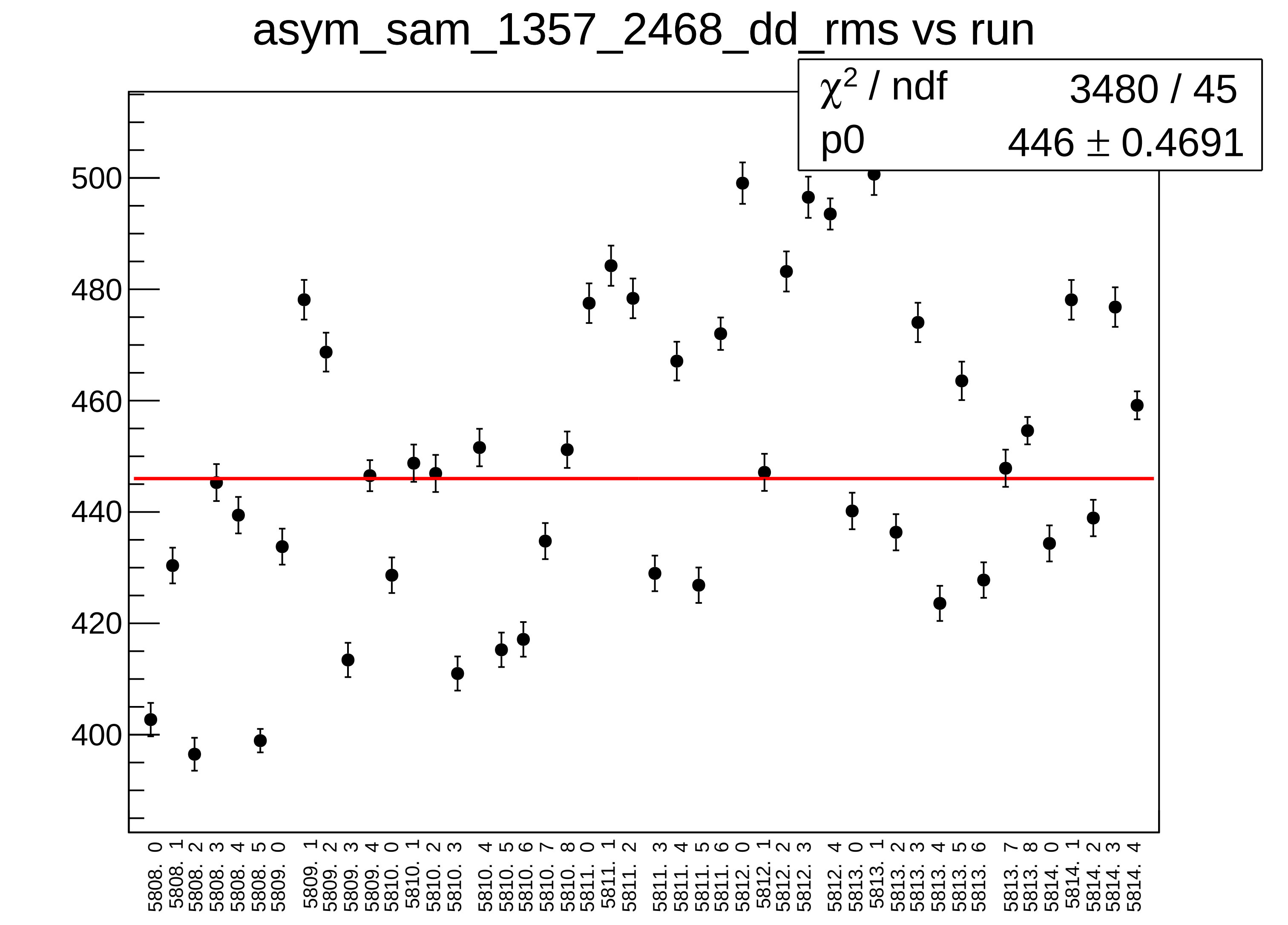
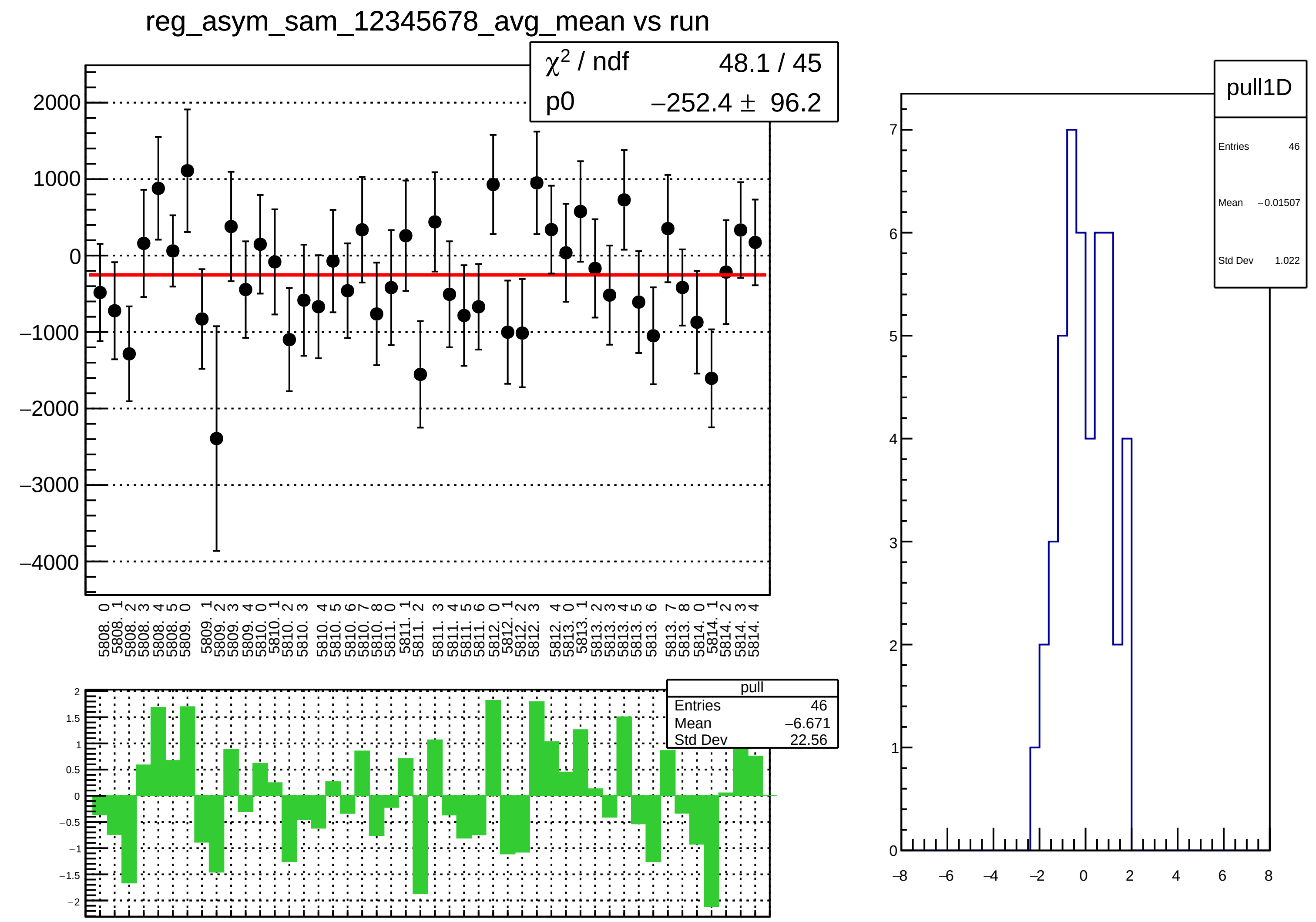
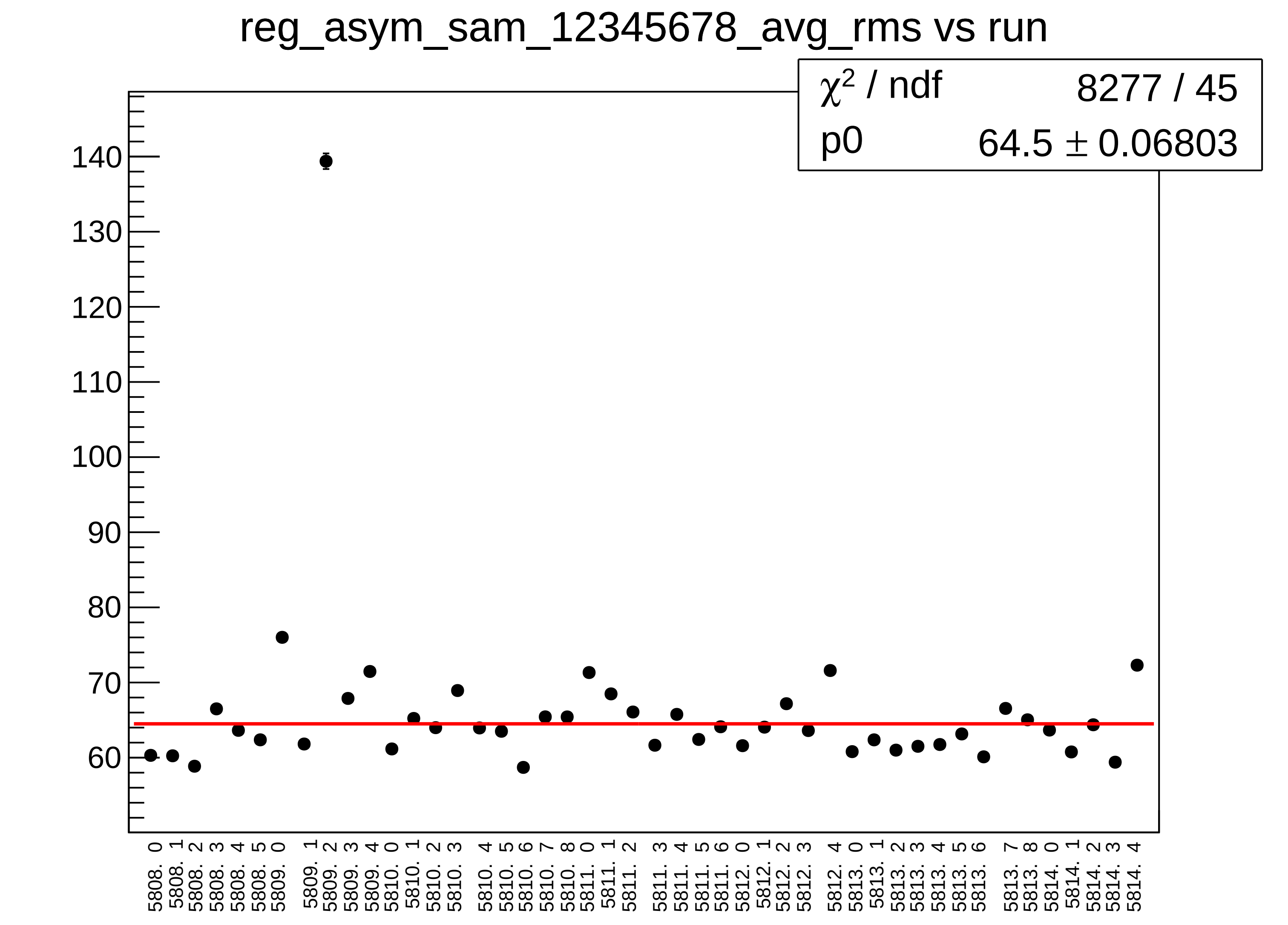
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4


asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 47.87 / 45
p0 −1380 ± 663.4
pull
Entries 46
Mean 506.4
Std Dev 484.1
pull1D
Entries 46
Mean −0.008993
Std Dev 1.02



asym_sam_1357_2468_dd_rms vs run
χ2 / ndf 3480 / 45
p0 446 ± 0.4691
500
480
460
440
420
400


reg_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 48.1 / 45
p0 −252.4 ± 96.2
pull
Entries 46
Mean −6.671
Std Dev 22.56
pull1D
Entries 46
Mean −0.01507
Std Dev 1.022



reg_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 8277 / 45
p0 64.5 ± 0.06803
140
130
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
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5813. 3
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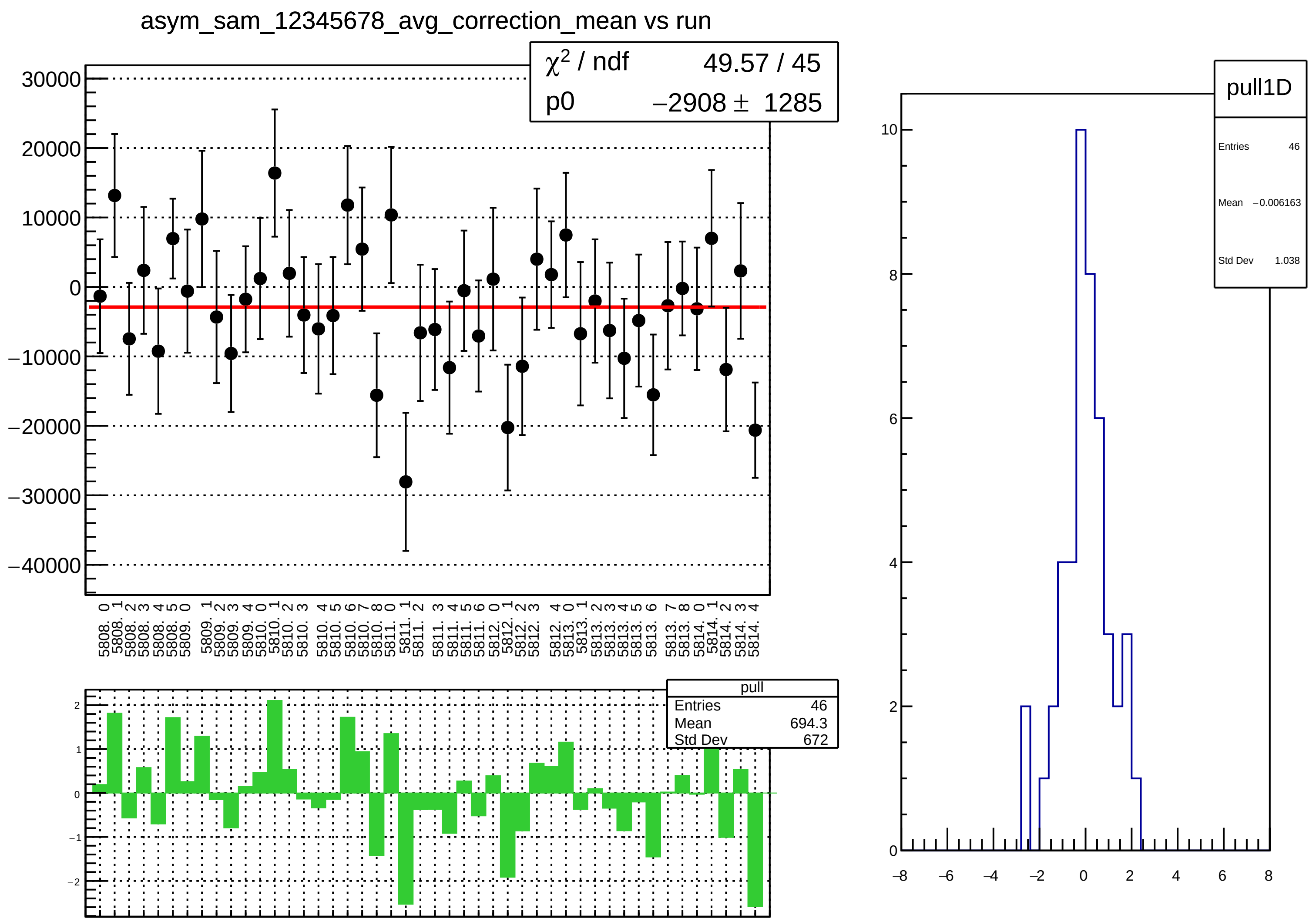
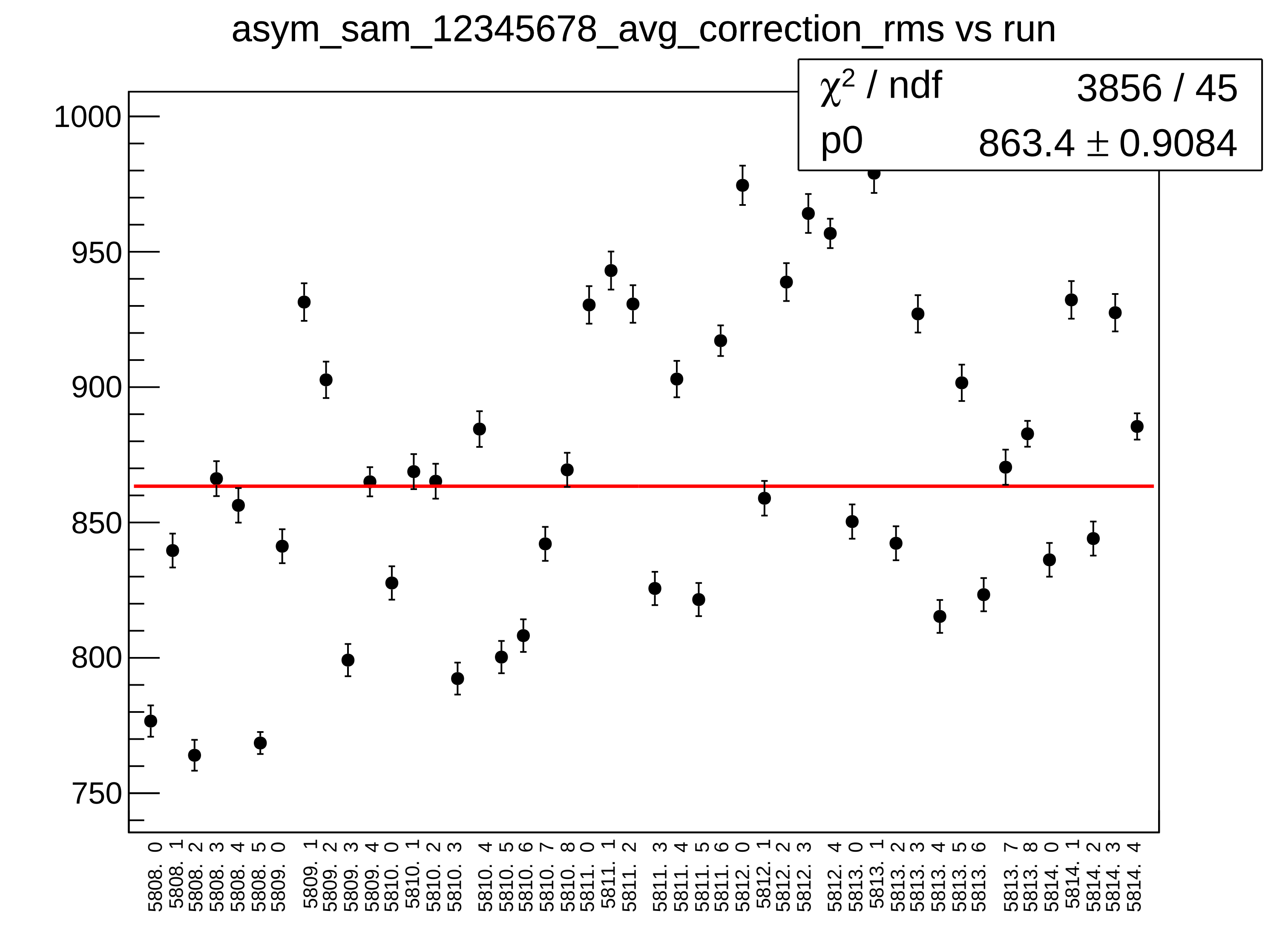
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_12345678_avg_correction_mean vs run
χ2 / ndf 49.57 / 45
p0 −2908 ± 1285
pull
Entries 46
Mean 694.3
Std Dev 672
pull1D
Entries 46
Mean −0.006163
Std Dev 1.038


asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3856 / 45
p0 863.4 ± 0.9084
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5813. 0
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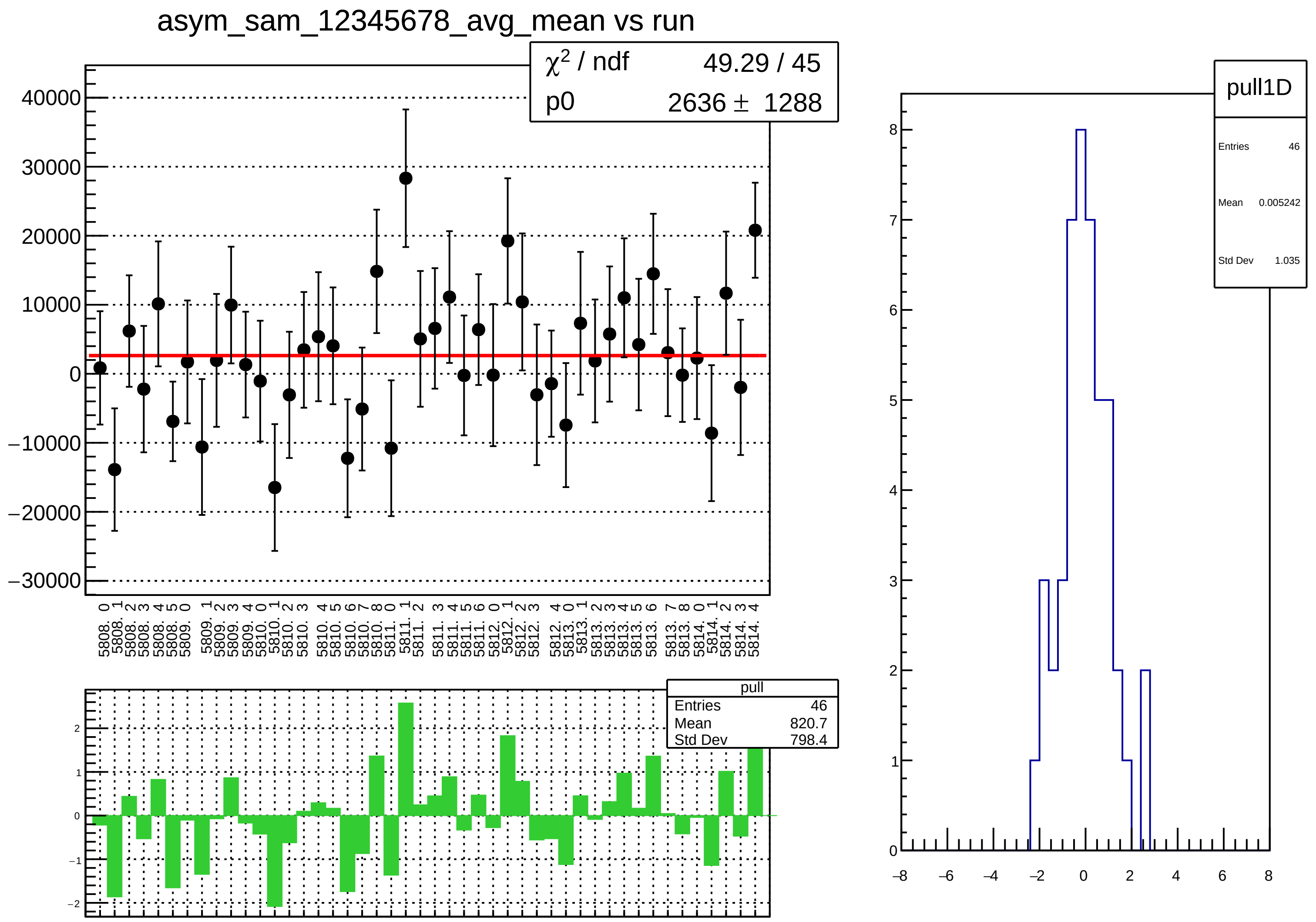
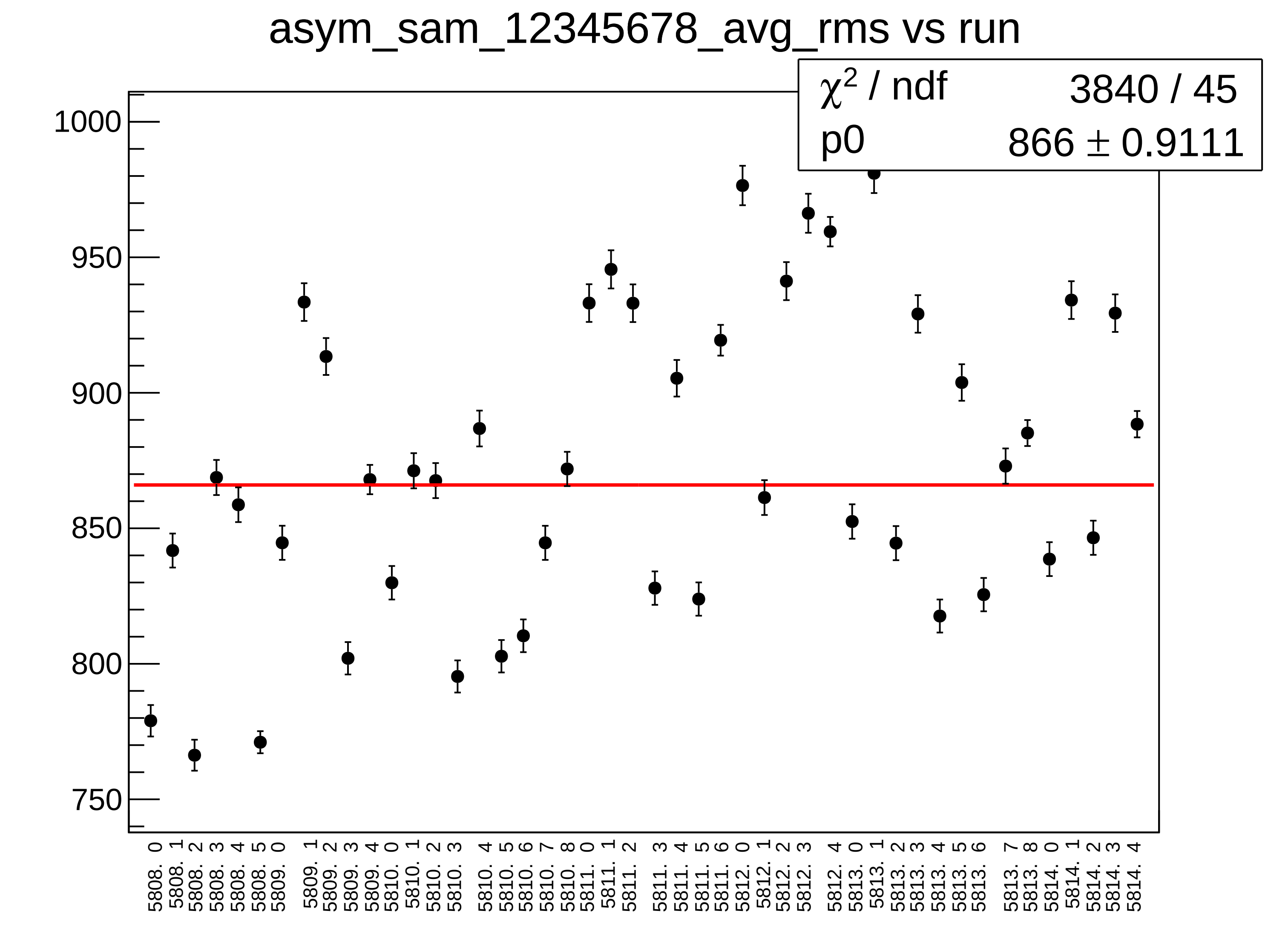
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4



asym_sam_12345678_avg_mean vs run
χ^2 / ndf 49.29 / 45
p0 2636 ± 1288
pull
Entries 46
Mean 820.7
Std Dev 798.4
pull1D
Entries 46
Mean 0.005242
Std Dev 1.035


asym_sam_12345678_avg_rms vs run
χ2 / ndf 3840 / 45
p0 866 ± 0.9111
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
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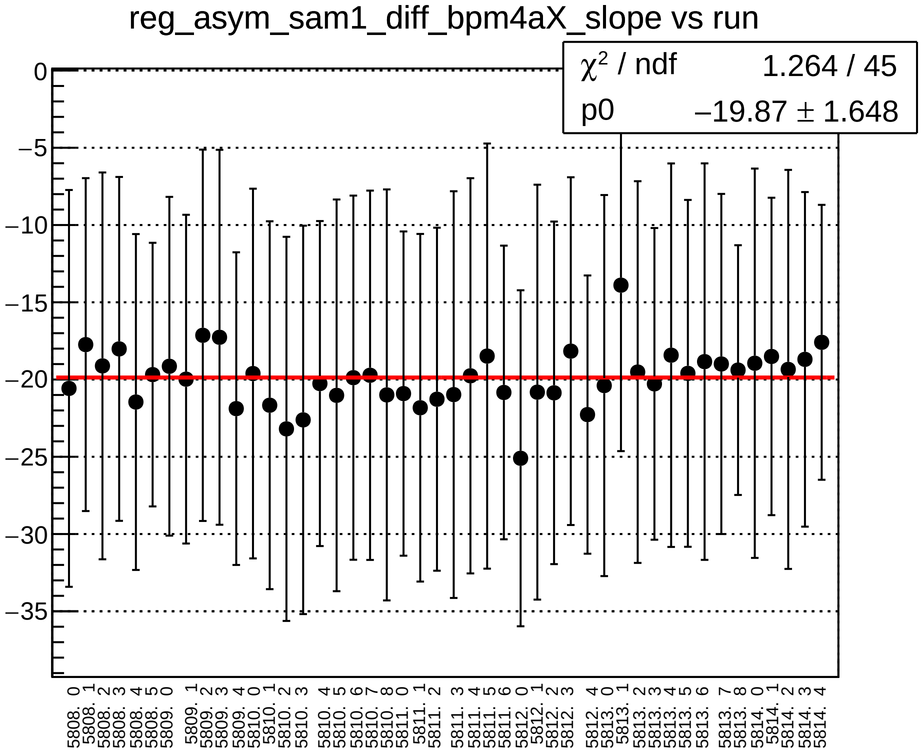
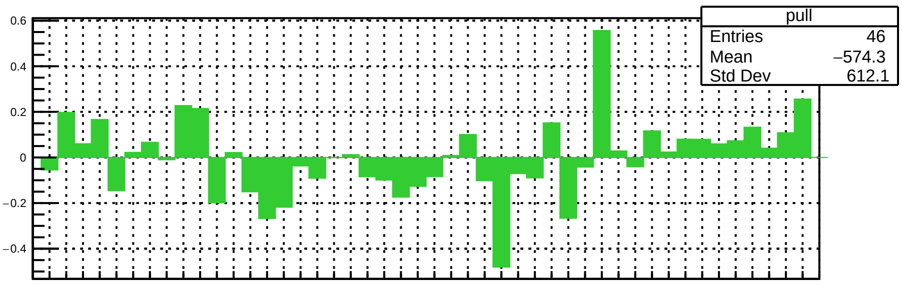
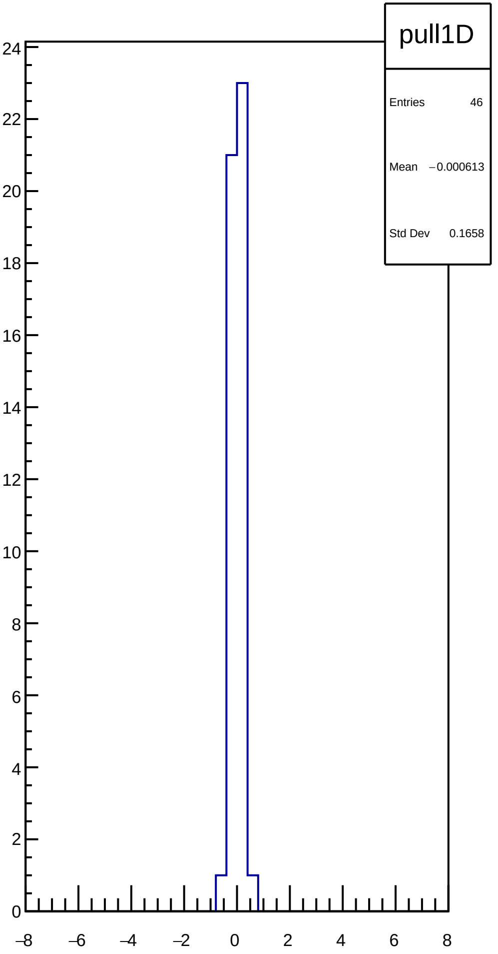
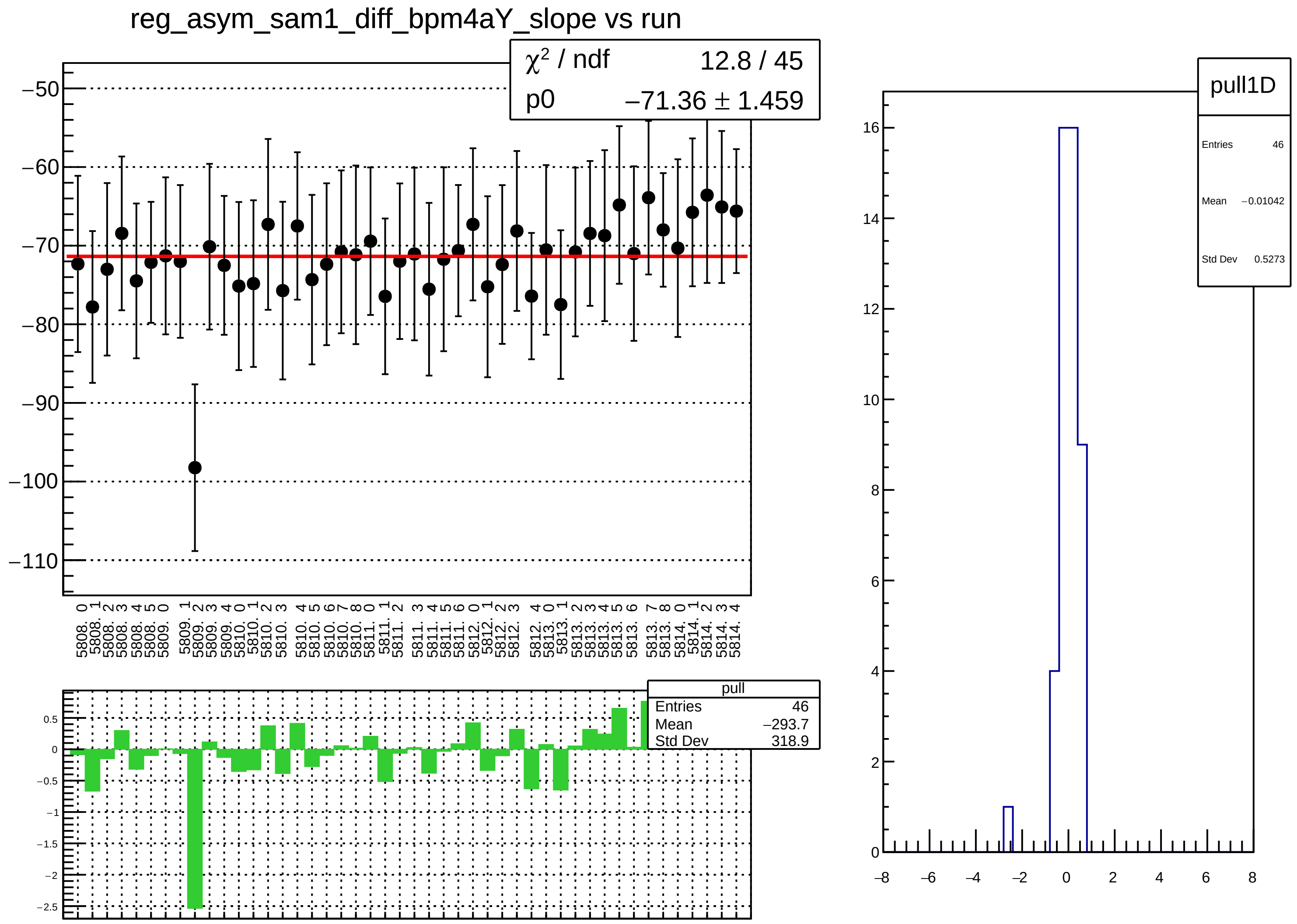
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4

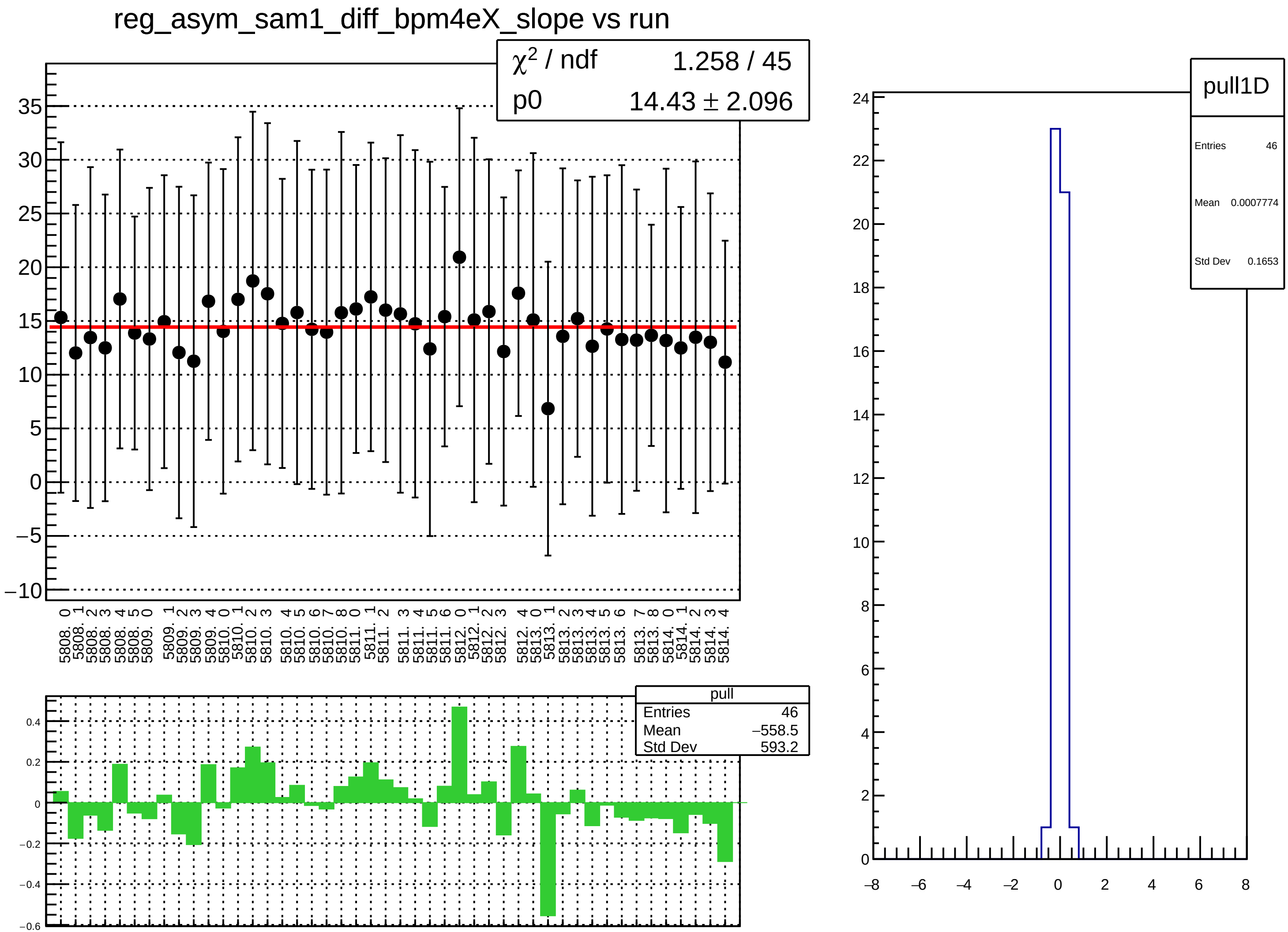

reg_asym_sam1_diff_bpm4aX_slope vs run
χ^2 / ndf 1.264 / 45
p0 −19.87 ± 1.648


pull
Entries 46
Mean −574.3
Std Dev 612.1

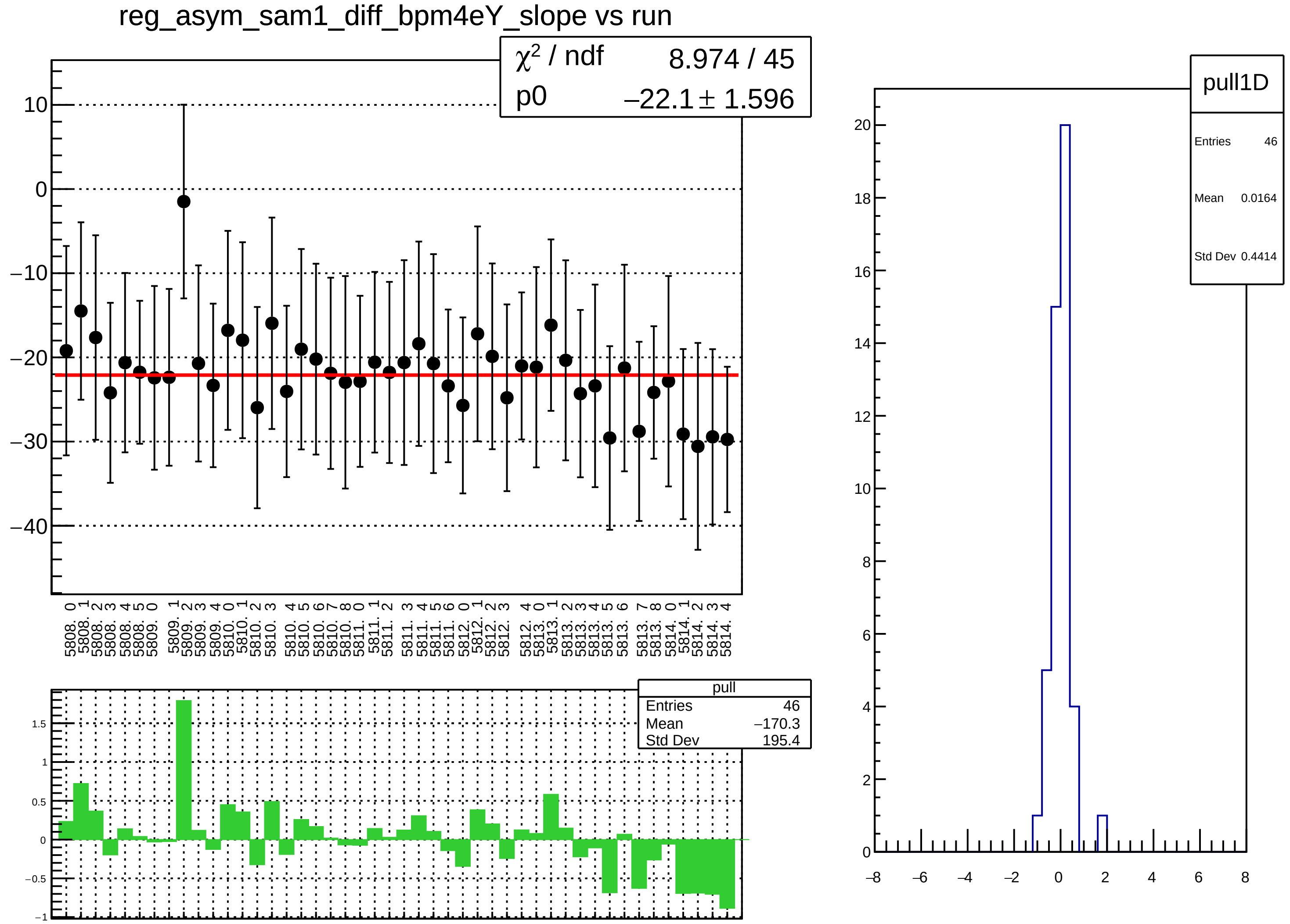

pull1D
Entries 46
Mean −0.000613
Std Dev 0.1658



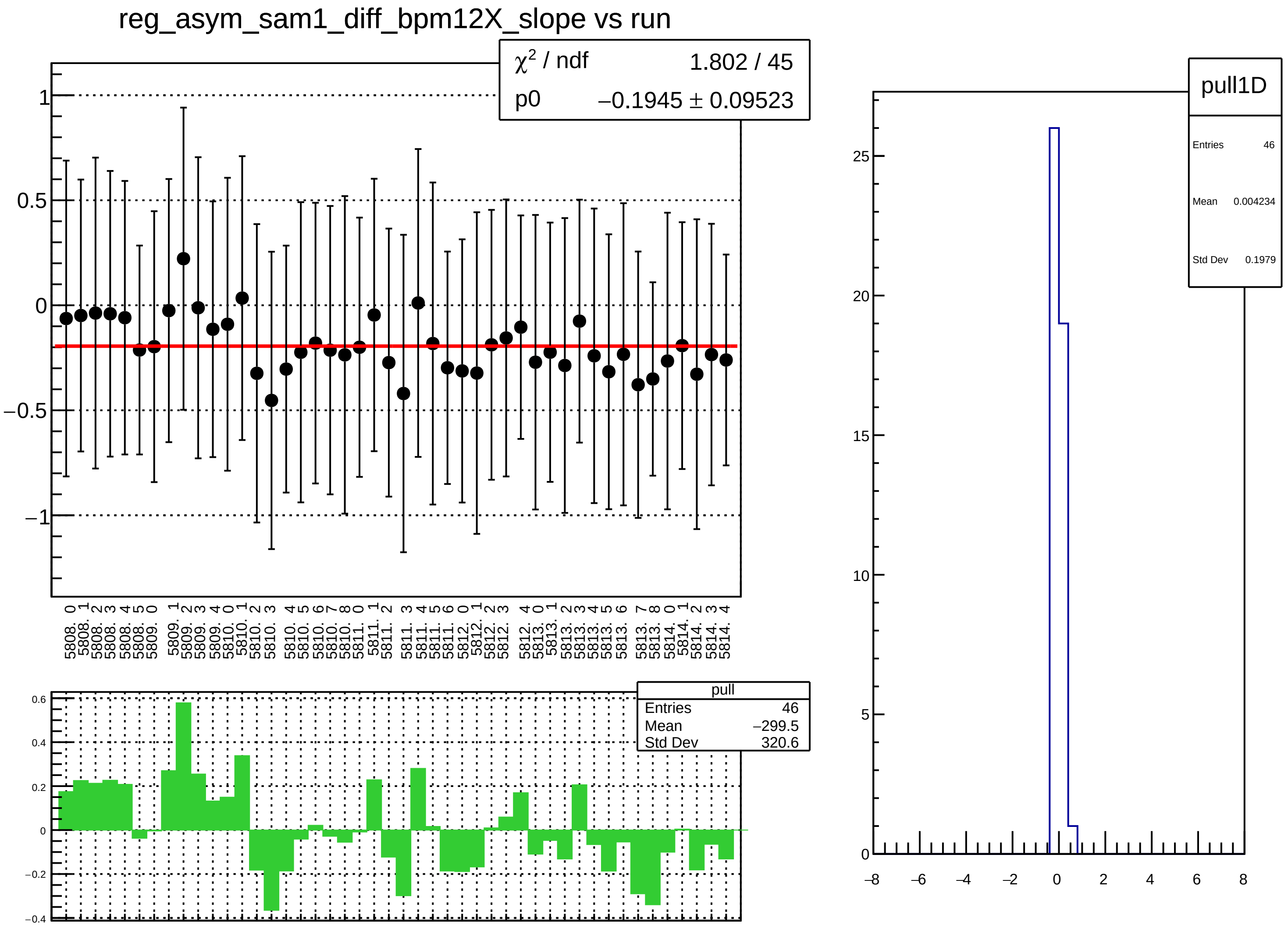
reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 12.8 / 45
p0 −71.36 ± 1.459
pull
Entries 46
Mean −293.7
Std Dev 318.9
pull1D
Entries 46
Mean −0.01042
Std Dev 0.5273

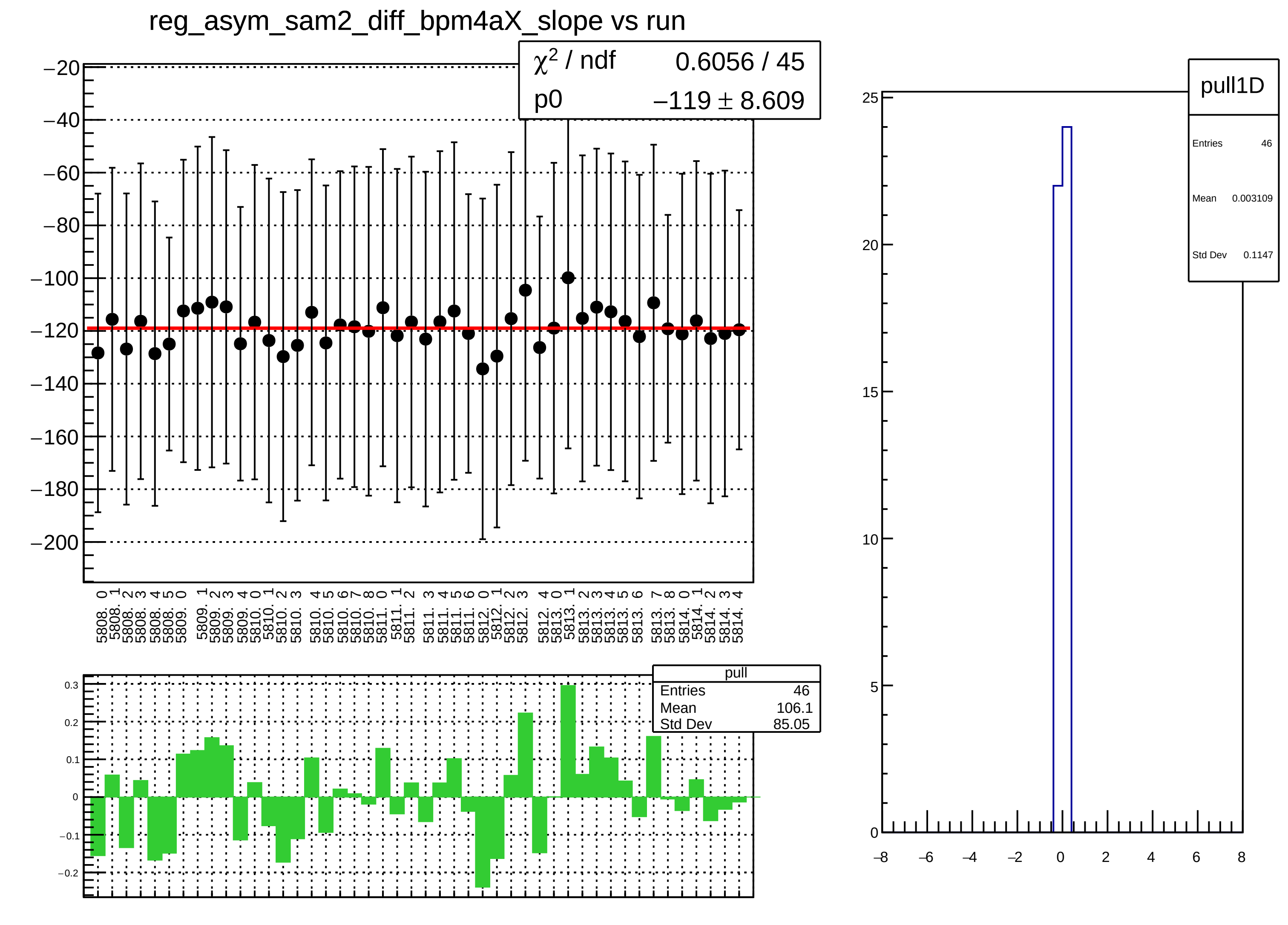


reg_asym_sam1_diff_bpm4eX_slope vs run
χ2 / ndf 1.258 / 45
p0 14.43 ± 2.096
pull
Entries 46
Mean −558.5
Std Dev 593.2
pull1D
Entries 46
Mean 0.0007774
Std Dev 0.1653

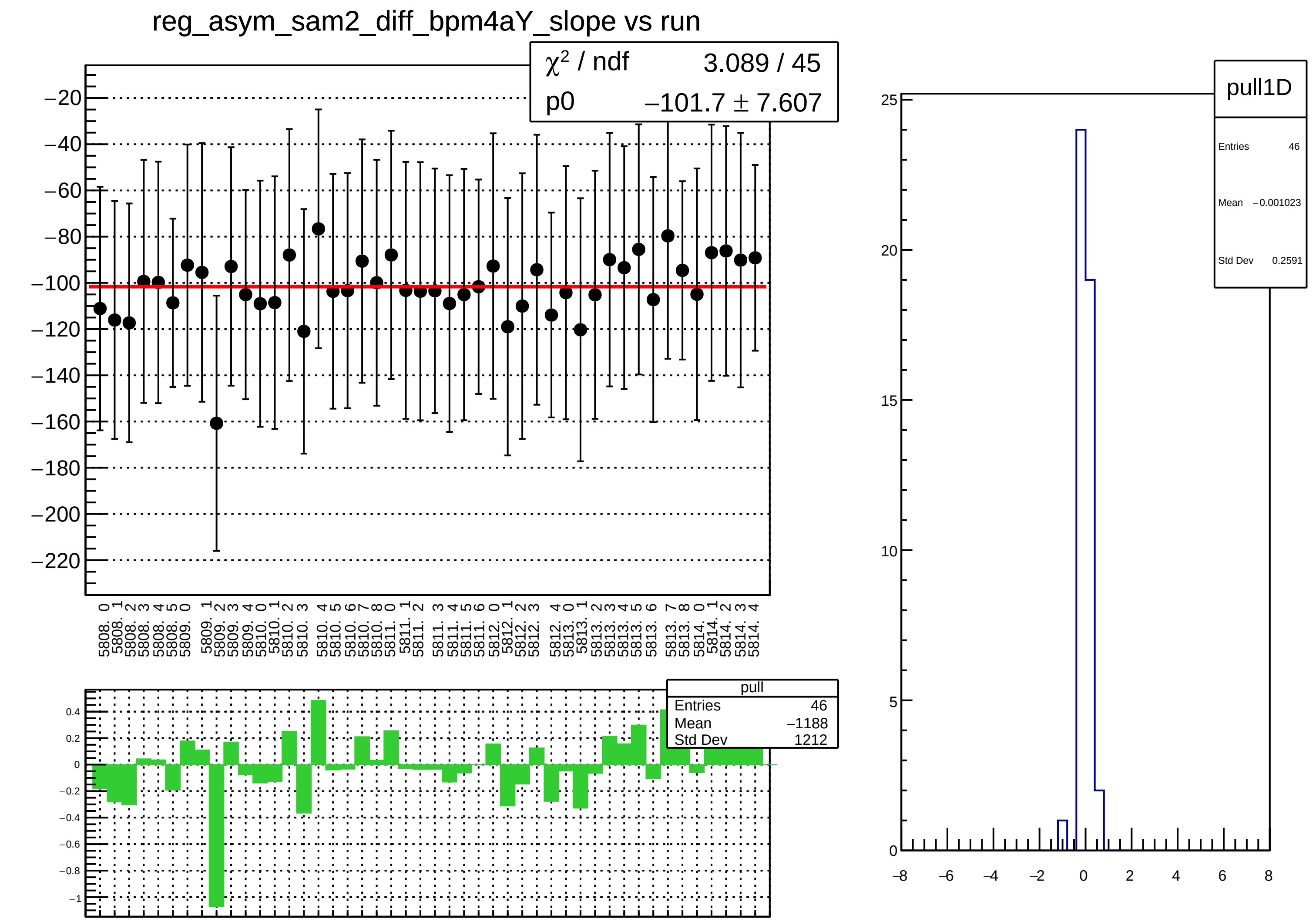


reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 8.974 / 45
p0 −22.1 ± 1.596
pull
Entries 46
Mean −170.3
Std Dev 195.4
pull1D
Entries 46
Mean 0.0164
Std Dev 0.4414

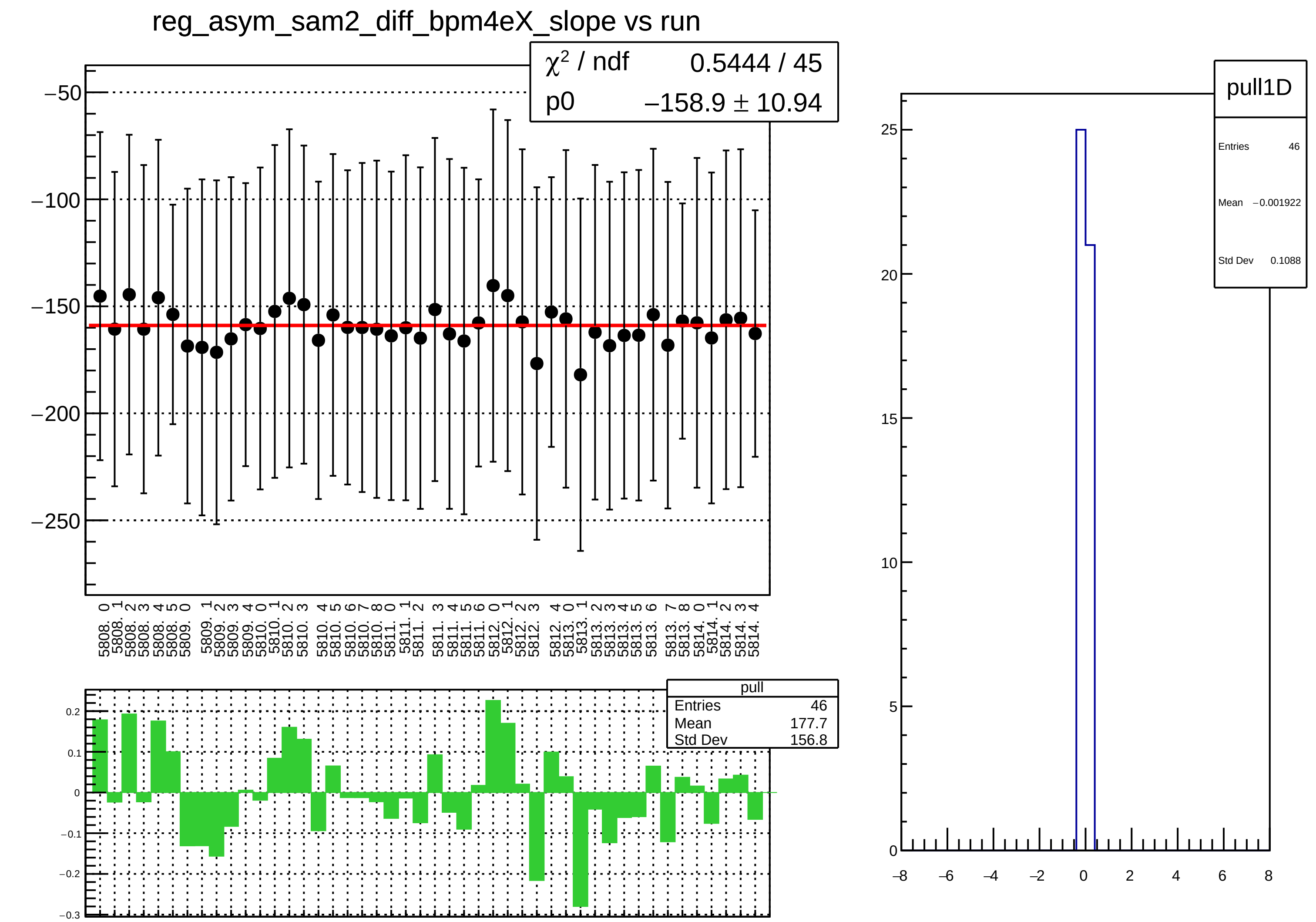

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 1.802 / 45
p0 −0.1945 ± 0.09523
pull
Entries 46
Mean −299.5
Std Dev 320.6
pull1D
Entries 46
Mean 0.004234
Std Dev 0.1979

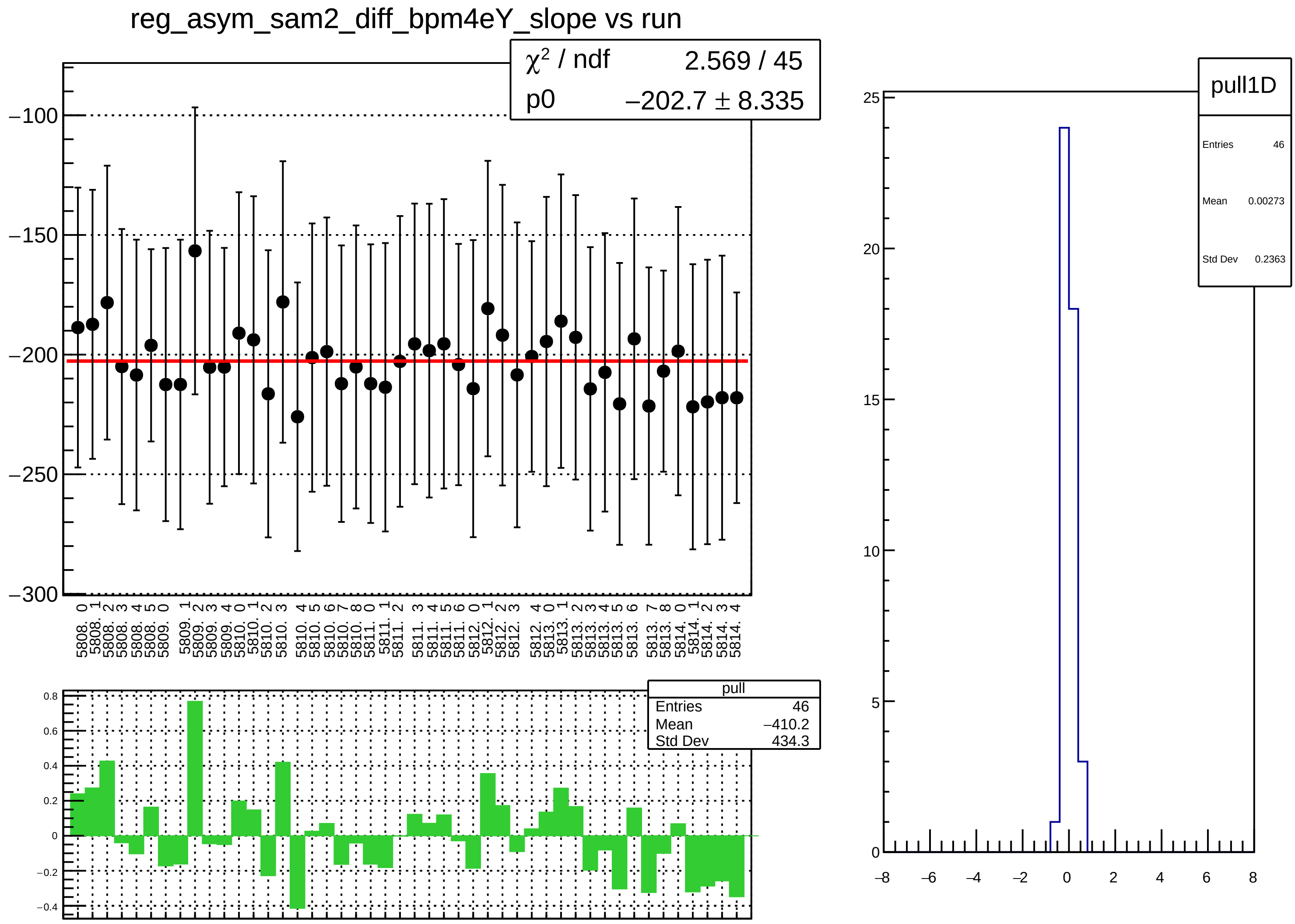


reg_asym_sam2_diff_bpm4aX_slope vs run
χ2 / ndf 0.6056 / 45
p0 −119 ± 8.609
pull
Entries 46
Mean 106.1
Std Dev 85.05
pull1D
Entries 46
Mean 0.003109
Std Dev 0.1147

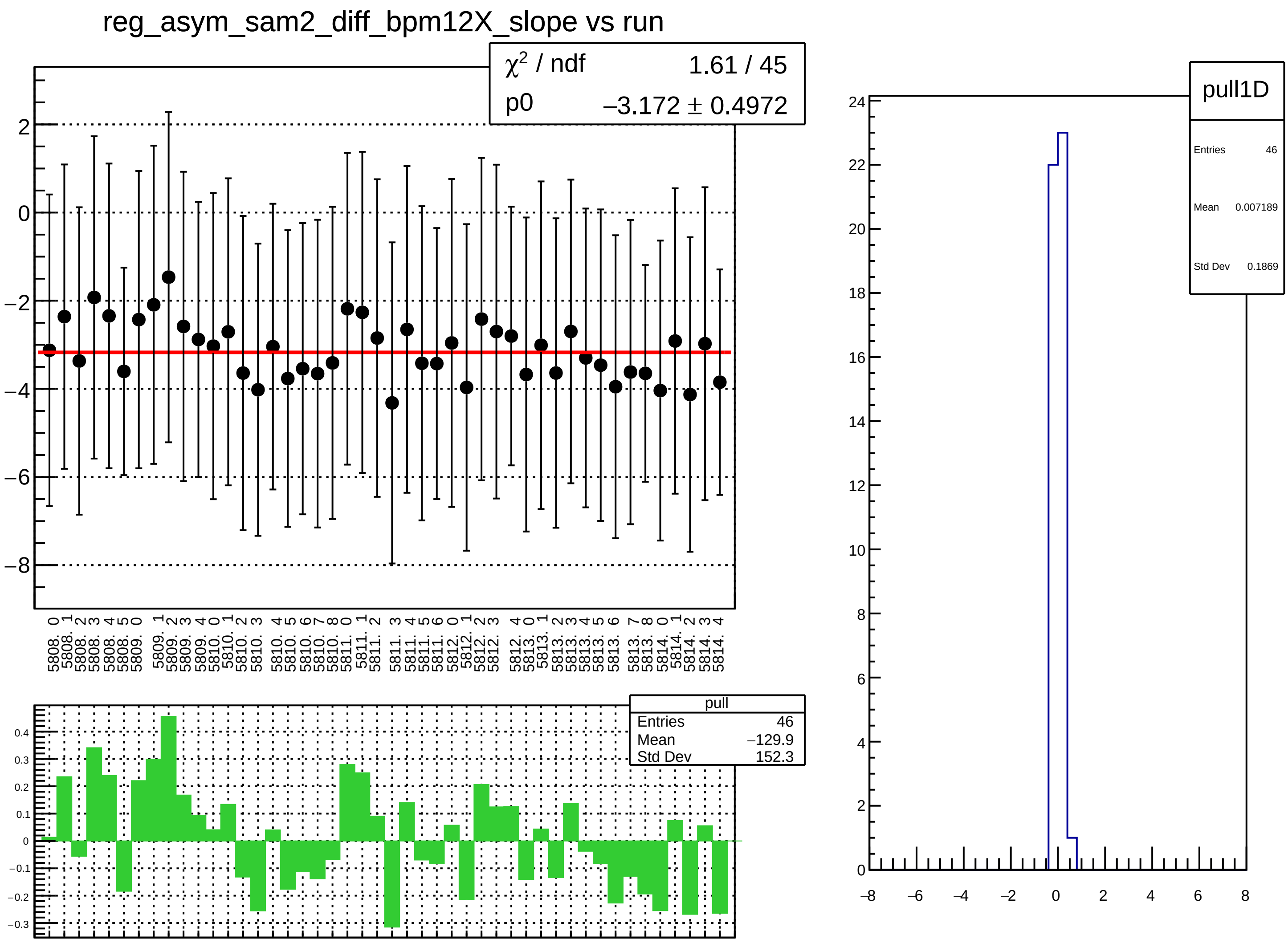


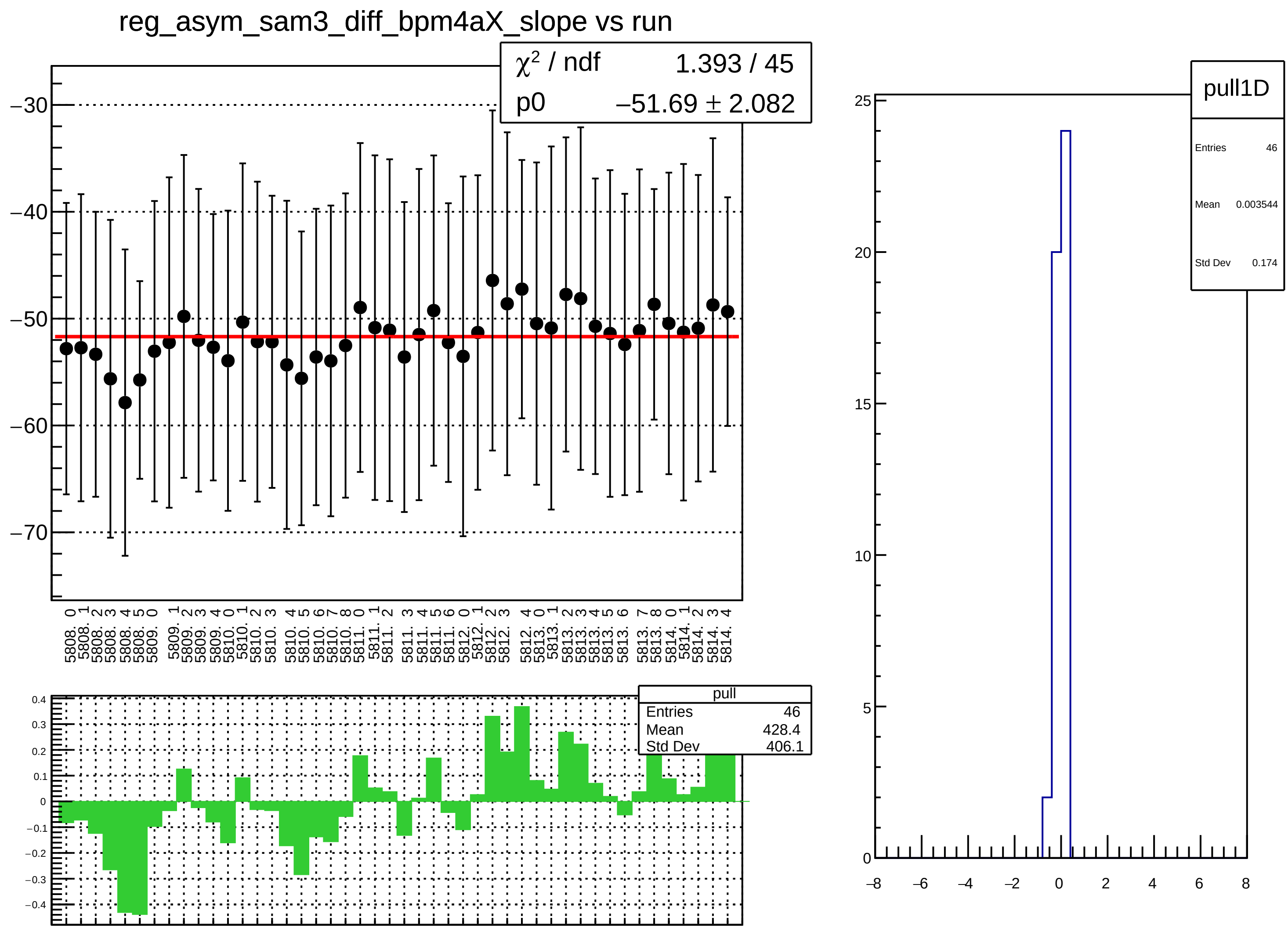
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.089 / 45
p0 −101.7 ± 7.607
pull
Entries 46
Mean −1188
Std Dev 1212
pull1D
Entries 46
Mean −0.001023
Std Dev 0.2591

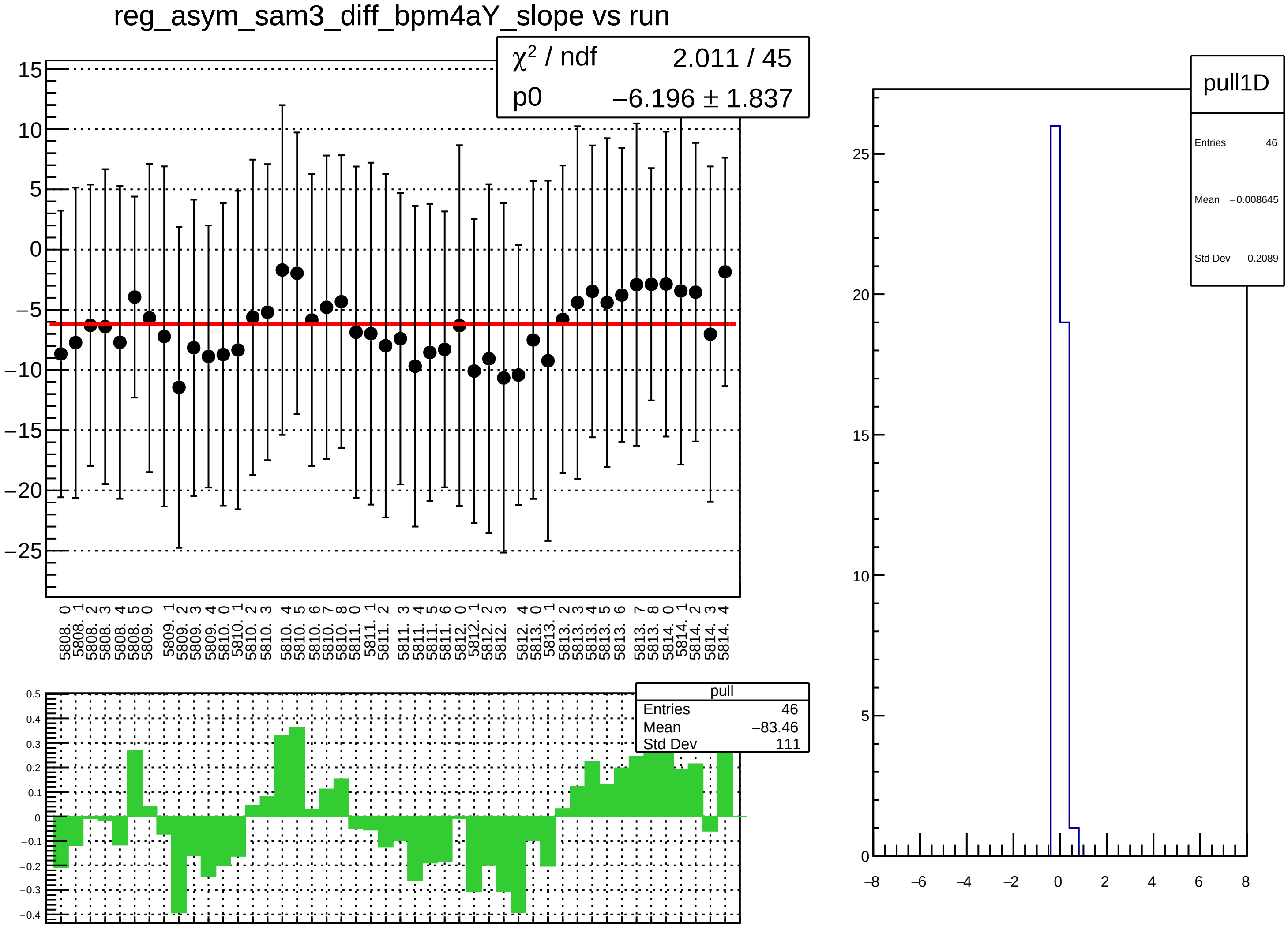

reg_asym_sam2_diff_bpm4eX_slope vs run
χ2 / ndf 0.5444 / 45
p0 −158.9 ± 10.94
pull
Entries 46
Mean 177.7
Std Dev 156.8
pull1D
Entries 46
Mean −0.001922
Std Dev 0.1088



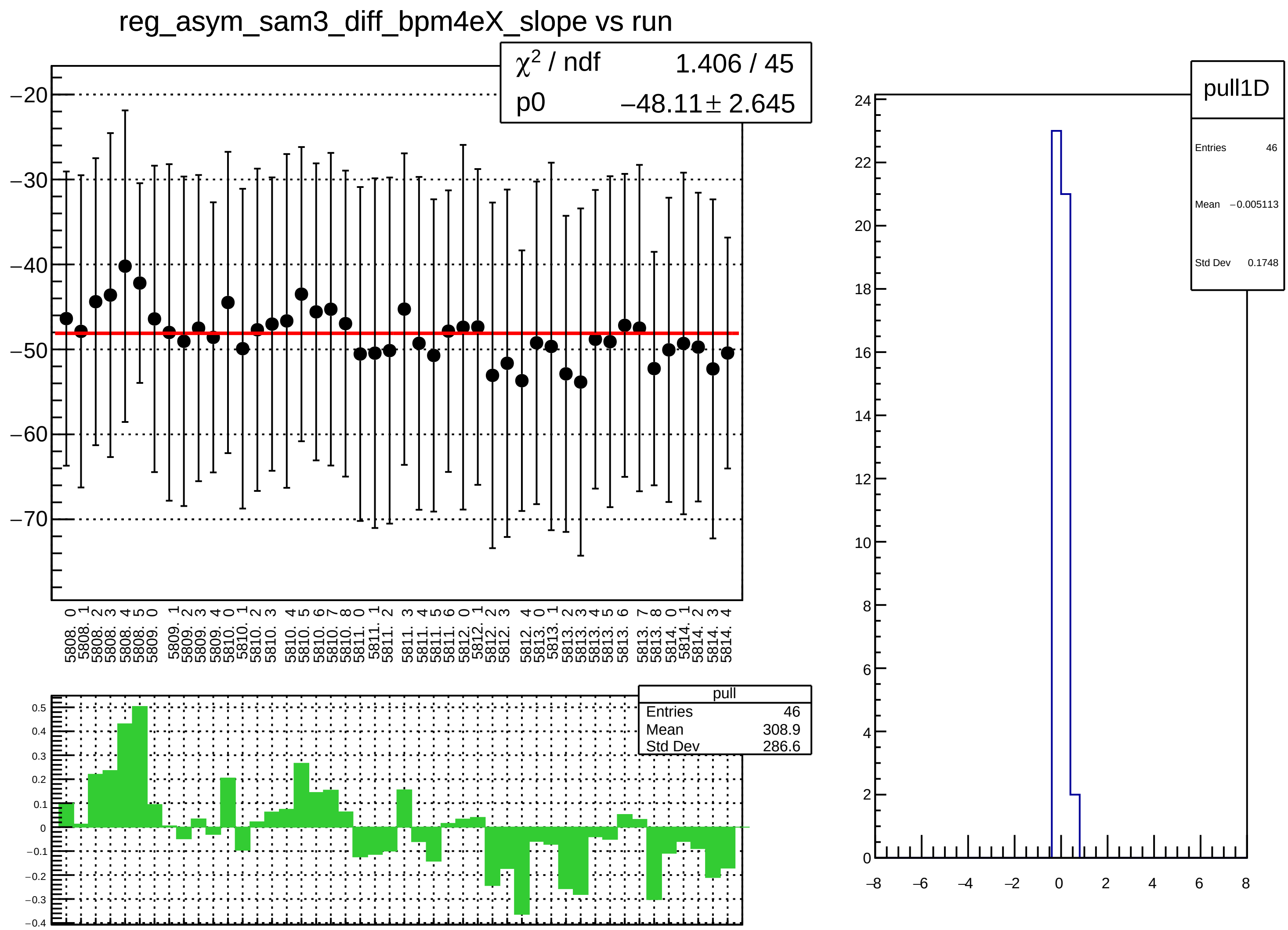
reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 2.569 / 45
p0 −202.7 ± 8.335
−100
−150
−200
−250
−300
pull
Entries 46
Mean −410.2
Std Dev 434.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 46
Mean 0.00273
Std Dev 0.2363
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_diff_bpm12X_slope vs run
χ2 / ndf 1.61 / 45
p0 −3.172 ± 0.4972
pull
Entries 46
Mean −129.9
Std Dev 152.3
pull1D
Entries 46
Mean 0.007189
Std Dev 0.1869

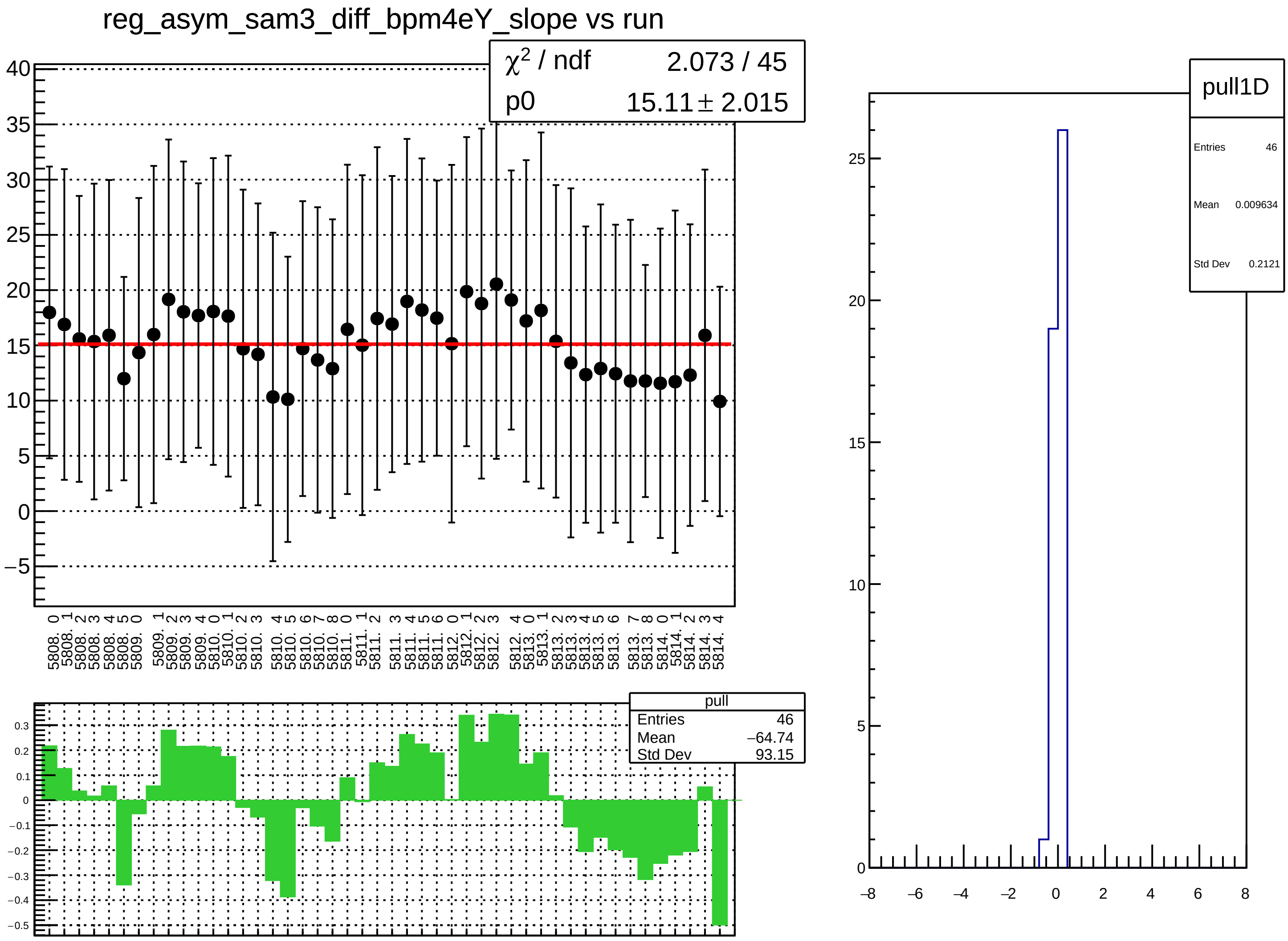

reg_asym_sam3_diff_bpm4aX_slope vs run
χ2 / ndf 1.393 / 45
p0 −51.69 ± 2.082
pull
Entries 46
Mean 428.4
Std Dev 406.1
pull1D
Entries 46
Mean 0.003544
Std Dev 0.174



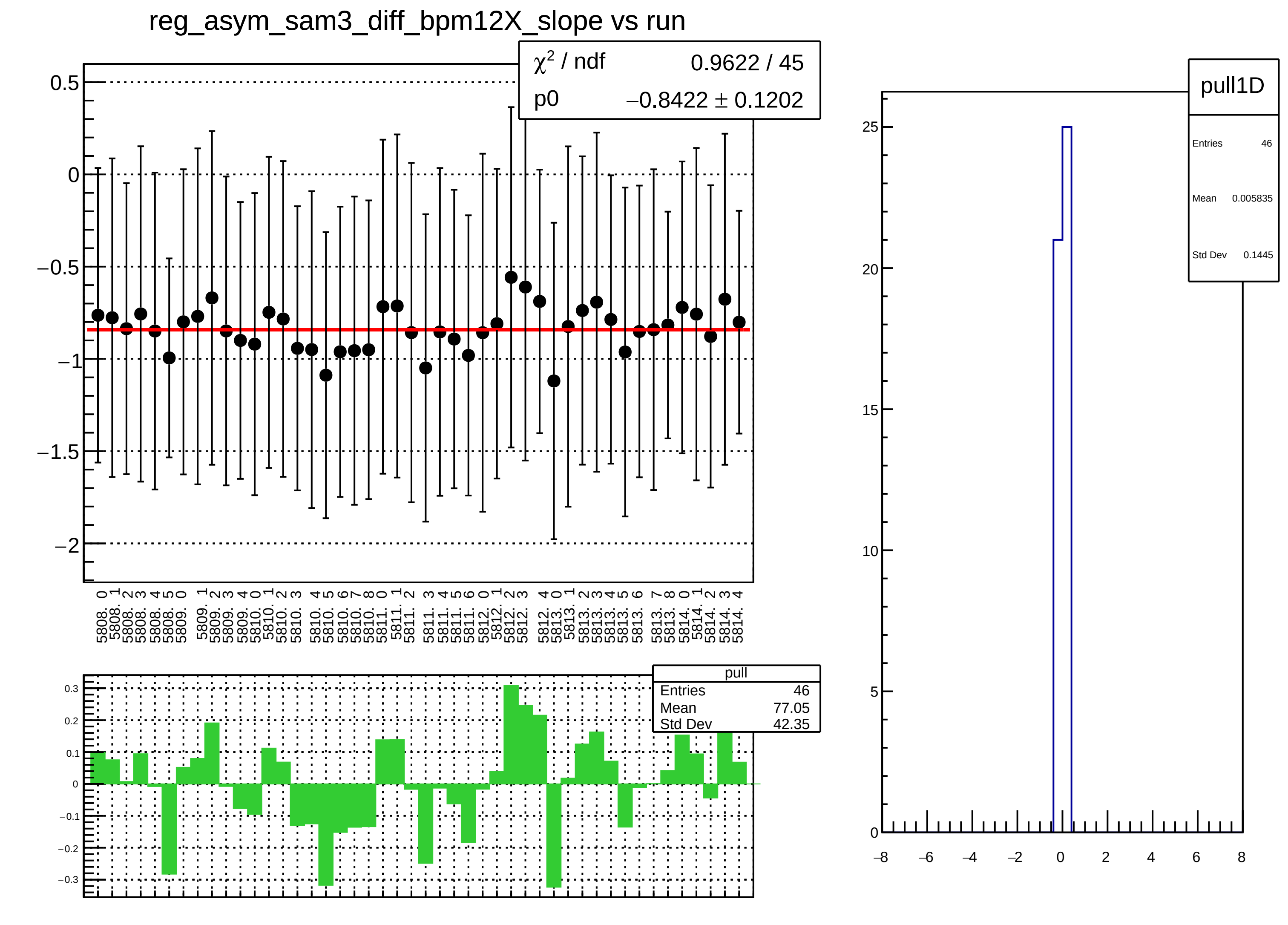
reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 2.011 / 45
p0 −6.196 ± 1.837
pull
Entries 46
Mean −83.46
Std Dev 111
pull1D
Entries 46
Mean −0.008645
Std Dev 0.2089



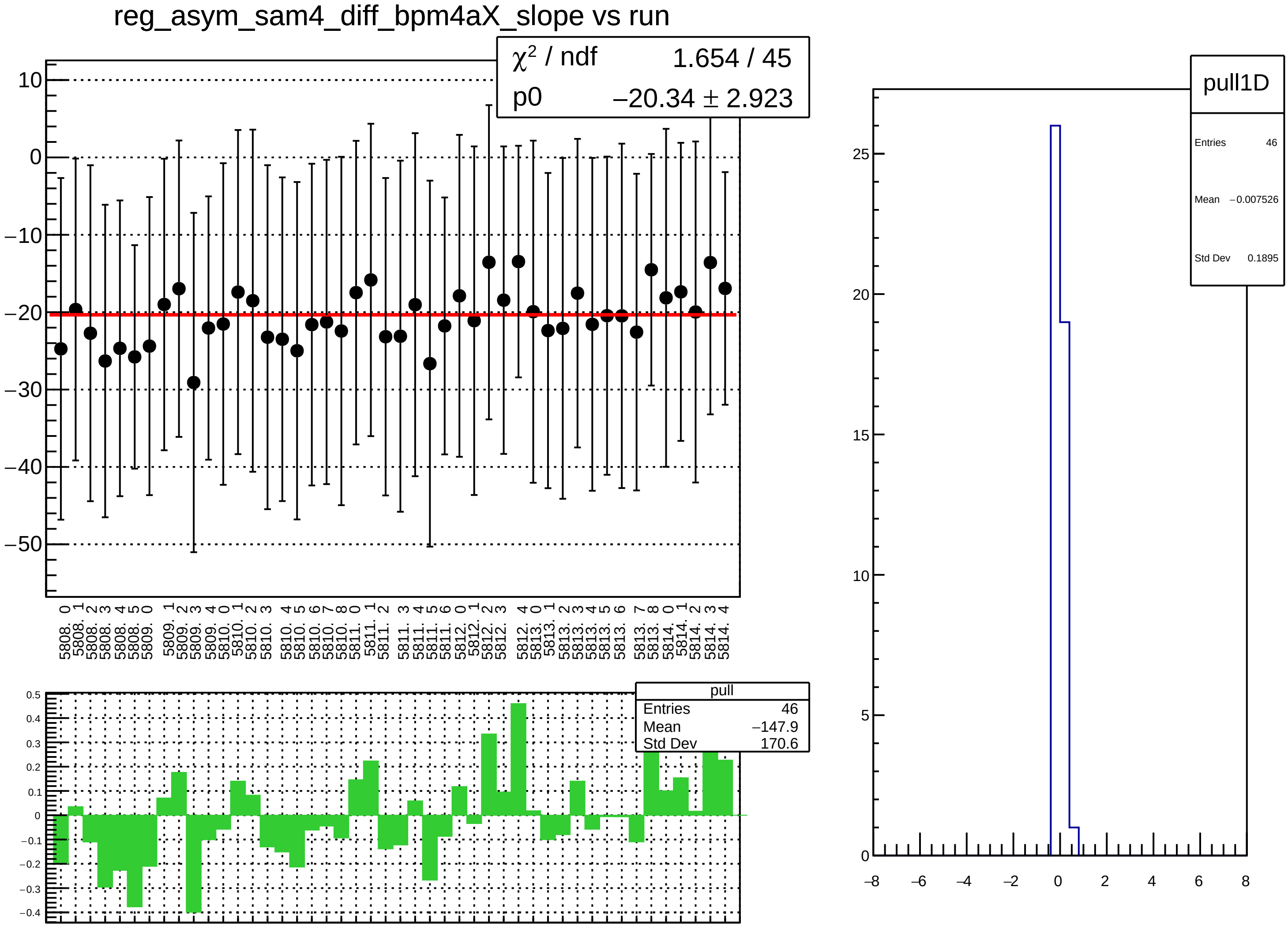
reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 1.406 / 45
p0 −48.11 ± 2.645
pull
Entries 46
Mean 308.9
Std Dev 286.6
pull1D
Entries 46
Mean −0.005113
Std Dev 0.1748



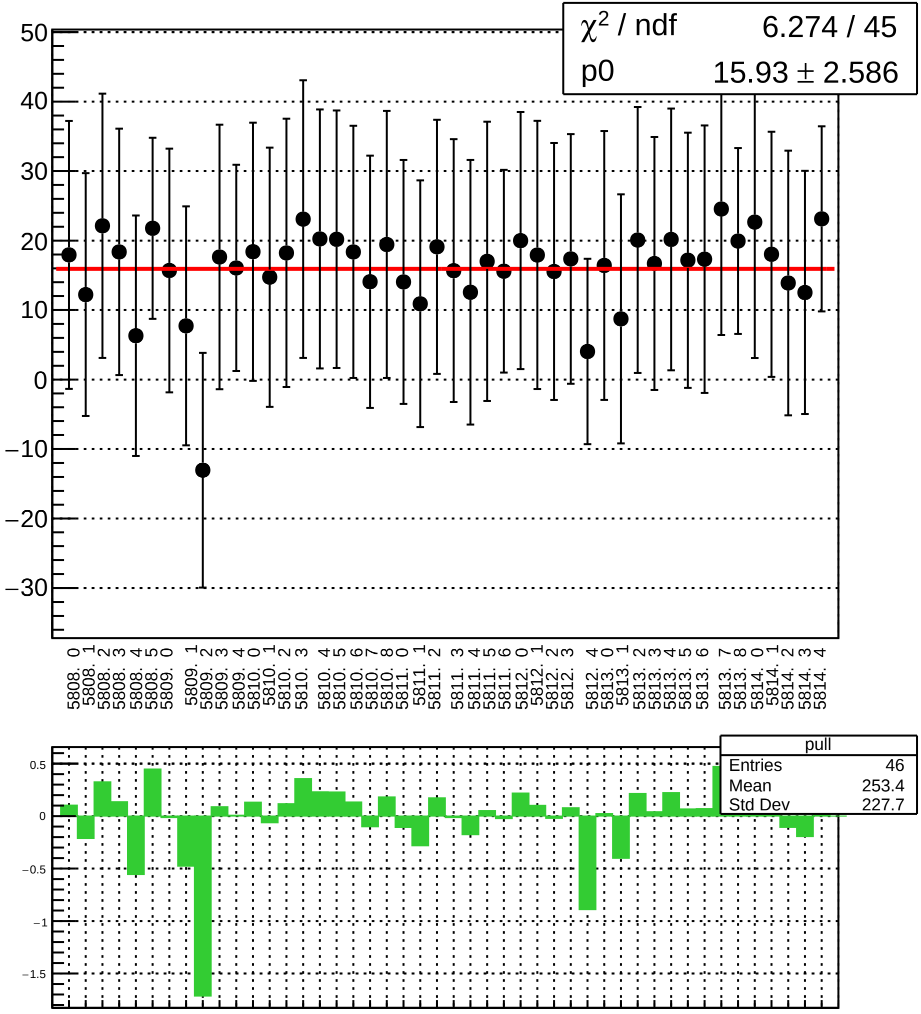
reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 2.073 / 45
p0 15.11 ± 2.015
pull
Entries 46
Mean −64.74
Std Dev 93.15
pull1D
Entries 46
Mean 0.009634
Std Dev 0.2121

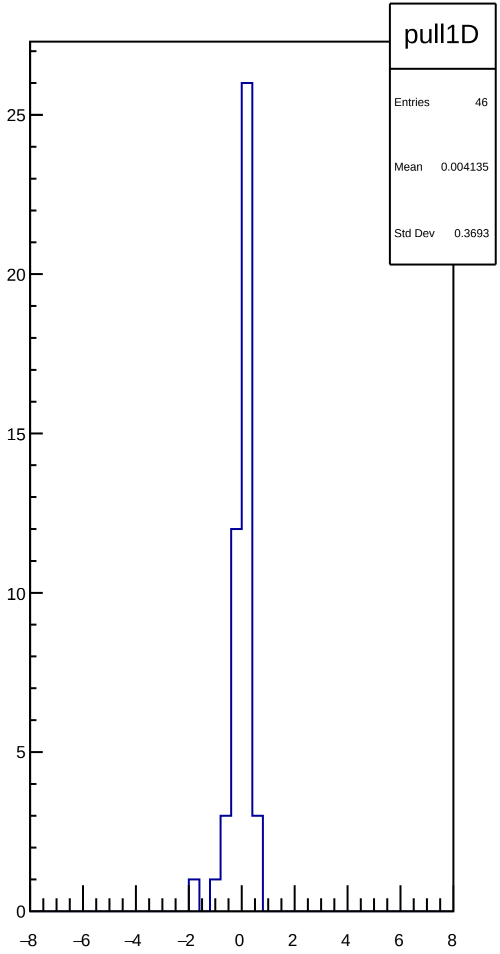


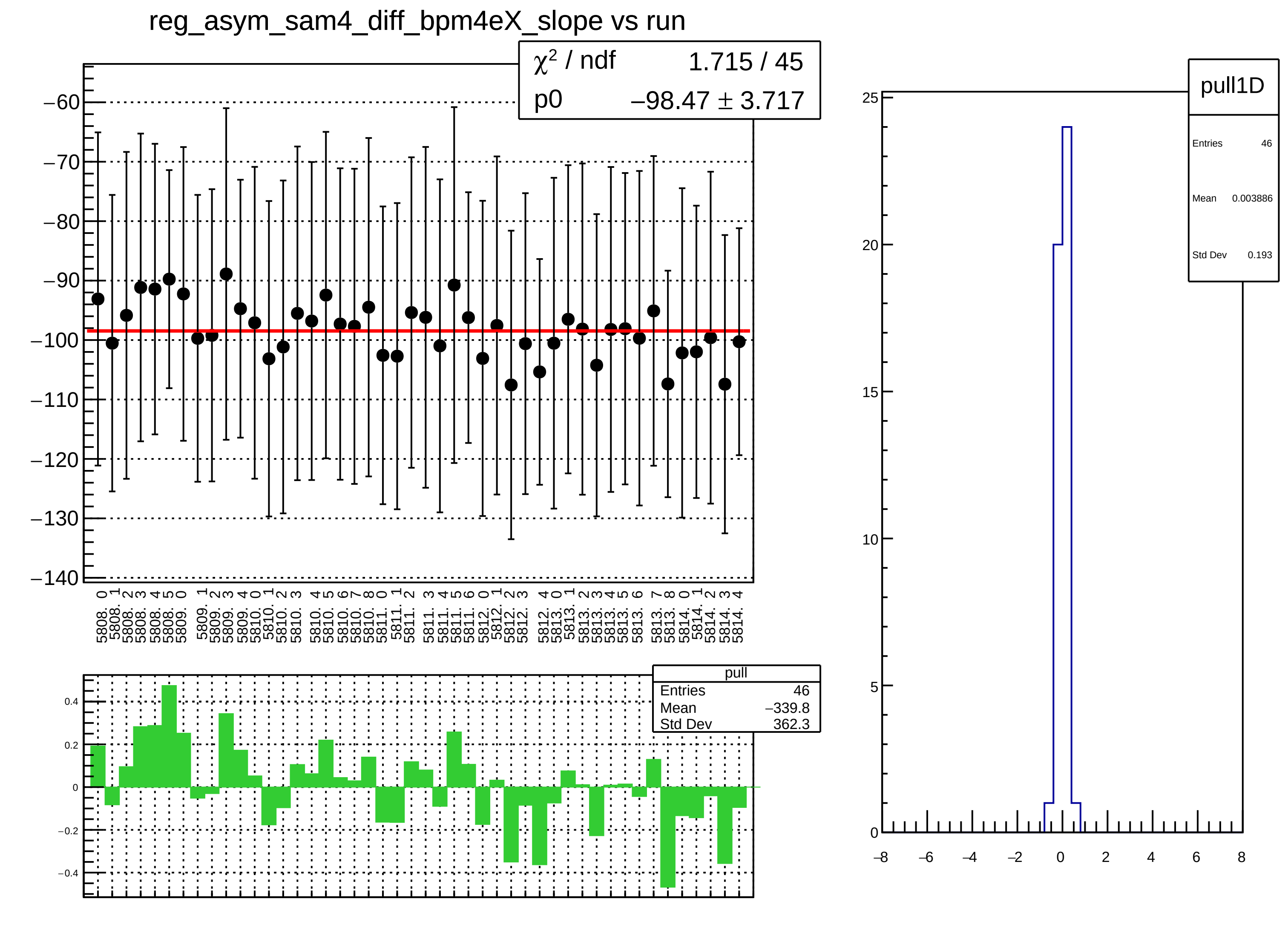
reg_asym_sam3_diff_bpm12X_slope vs run
χ2 / ndf 0.9622 / 45
p0 −0.8422 ± 0.1202
pull
Entries 46
Mean 77.05
Std Dev 42.35
pull1D
Entries 46
Mean 0.005835
Std Dev 0.1445


reg_asym_sam4_diff_bpm4aX_slope vs run
χ^2 / ndf 1.654 / 45
p0 −20.34 ± 2.923
pull
Entries 46
Mean −147.9
Std Dev 170.6
pull1D
Entries 46
Mean −0.007526
Std Dev 0.1895

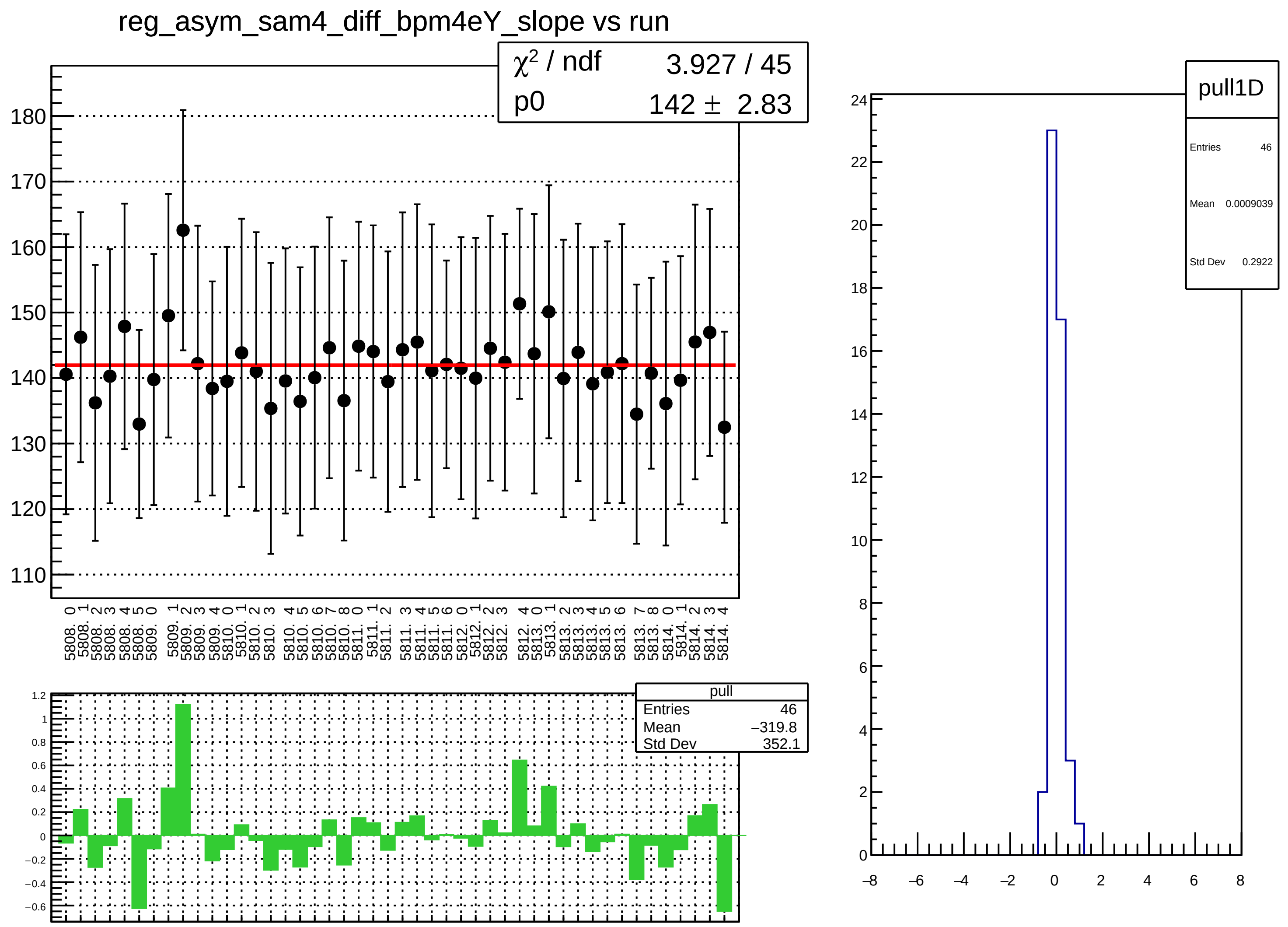
reg_asym_sam4_diff_bpm4aY_slope vs run

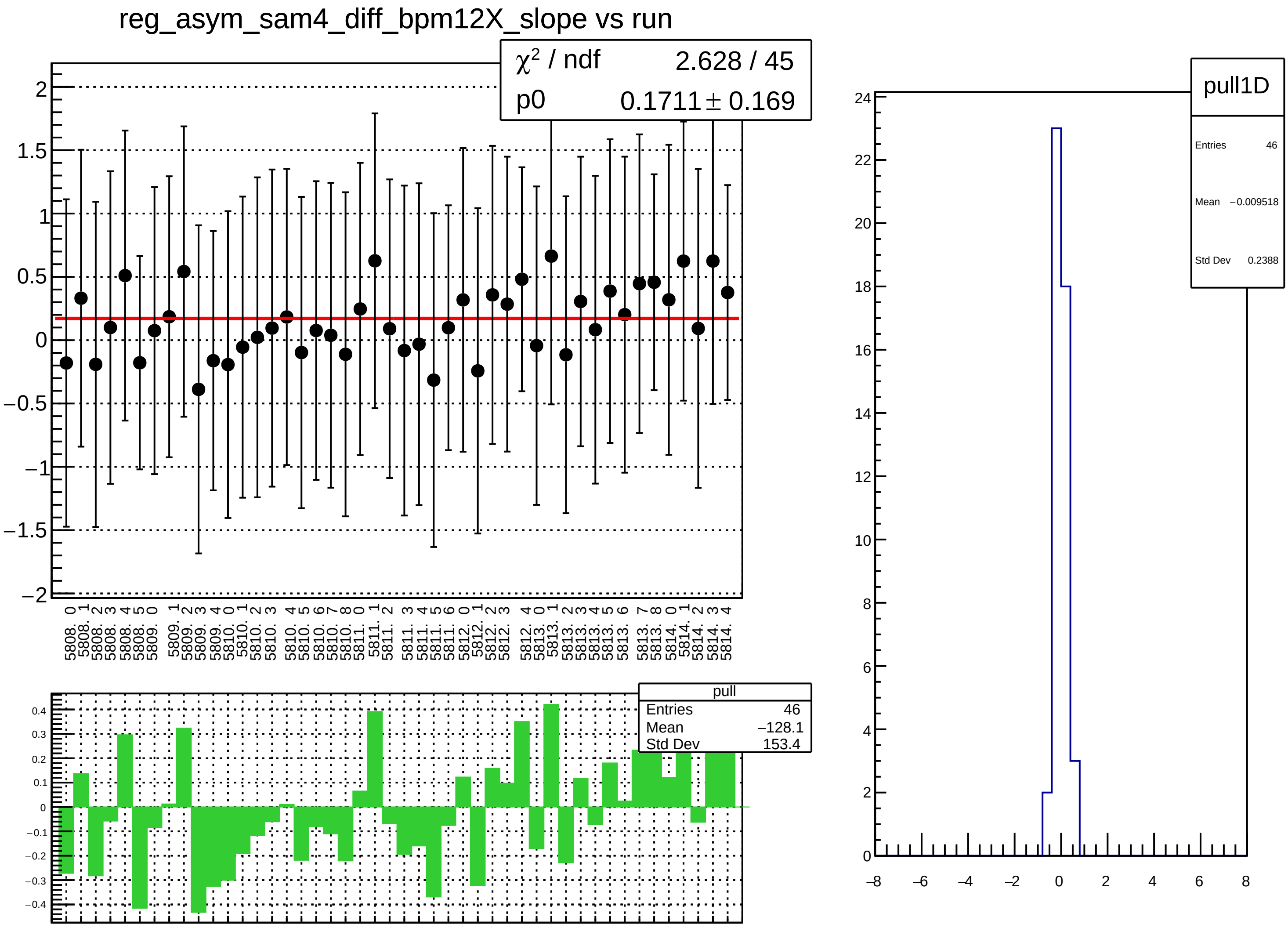


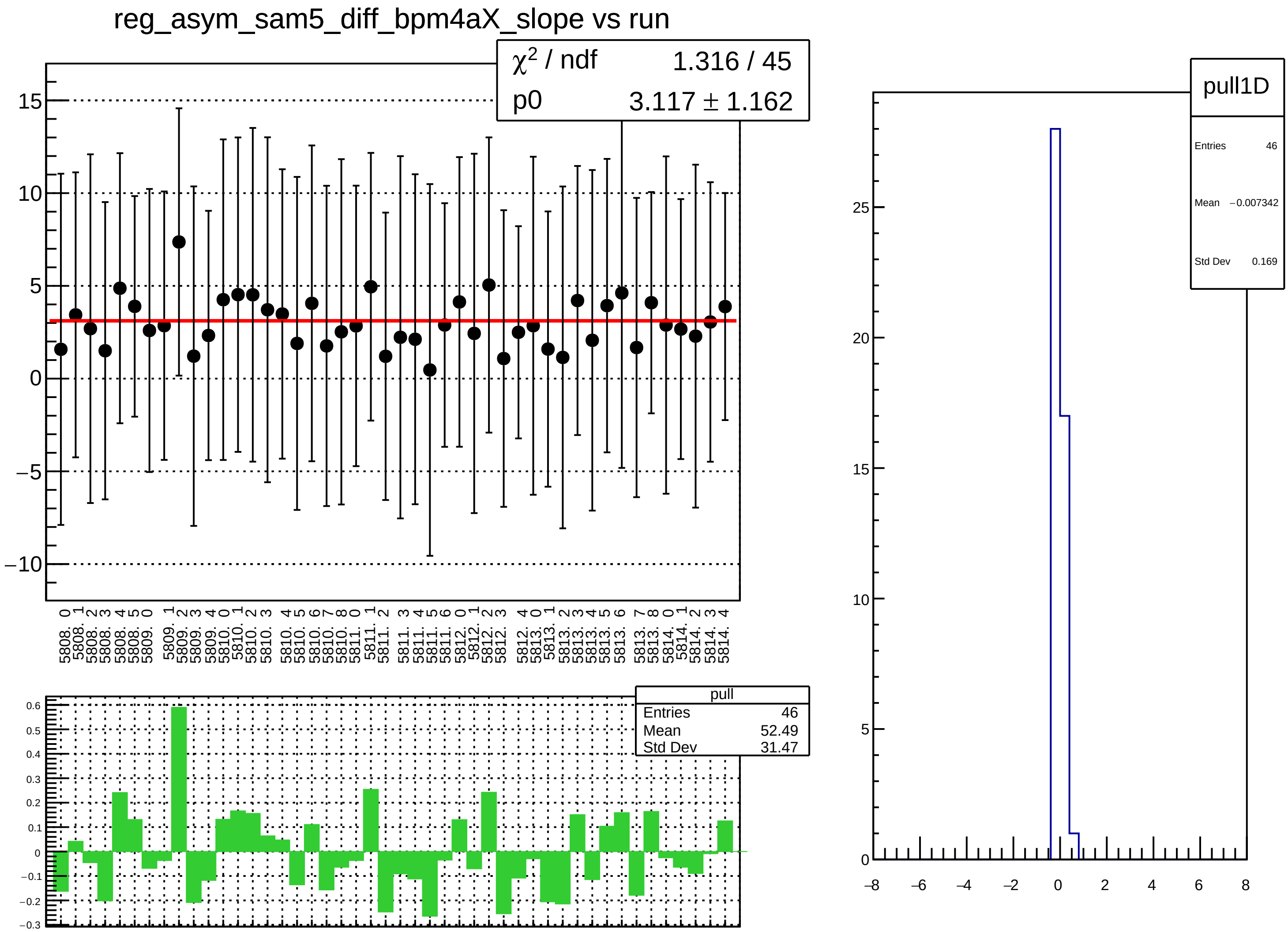




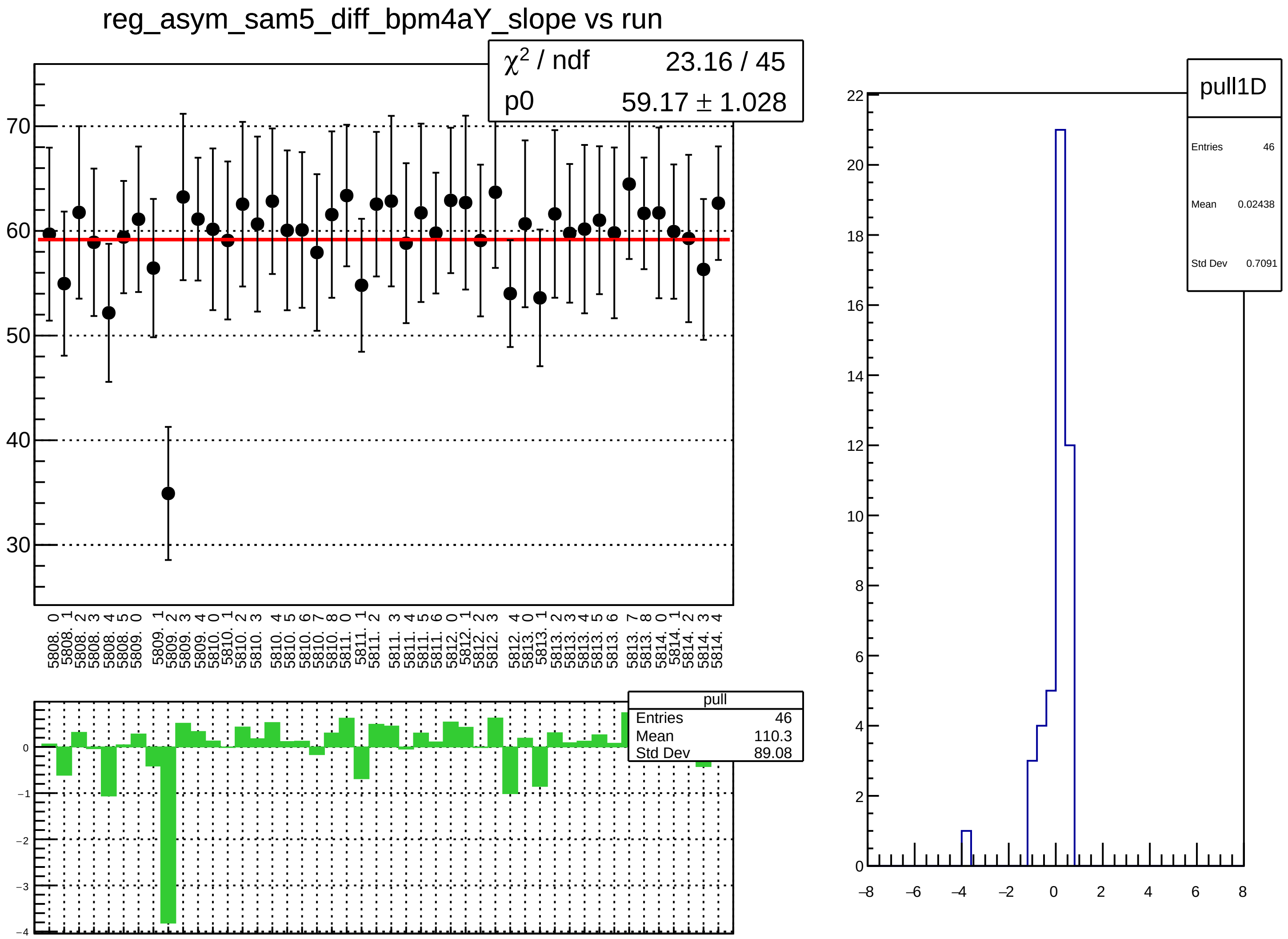
reg_asym_sam4_diff_bpm4eX_slope vs run
χ2 / ndf 1.715 / 45
p0 −98.47 ± 3.717
pull
Entries 46
Mean −339.8
Std Dev 362.3
pull1D
Entries 46
Mean 0.003886
Std Dev 0.193


reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 3.927 / 45
p0 142 ± 2.83
pull
Entries 46
Mean −319.8
Std Dev 352.1
pull1D
Entries 46
Mean 0.0009039
Std Dev 0.2922

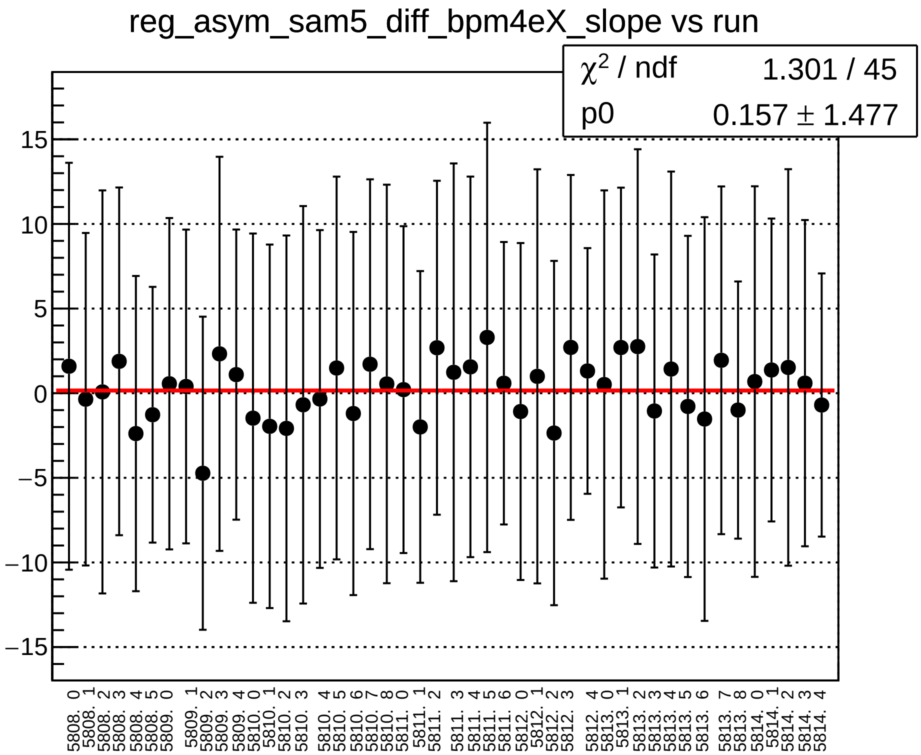

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.628 / 45
p0 0.1711 ± 0.169
pull
Entries 46
Mean −128.1
Std Dev 153.4
pull1D
Entries 46
Mean −0.009518
Std Dev 0.2388

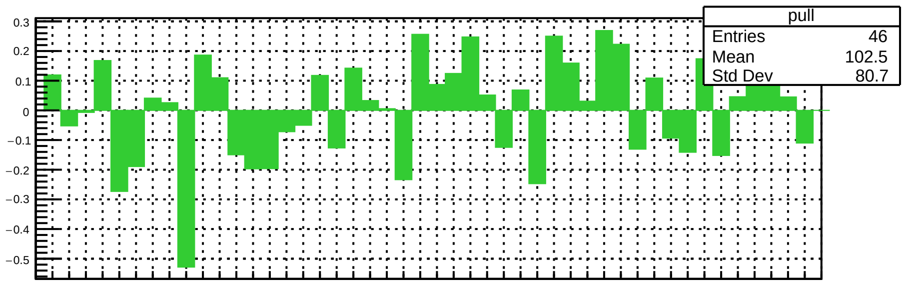


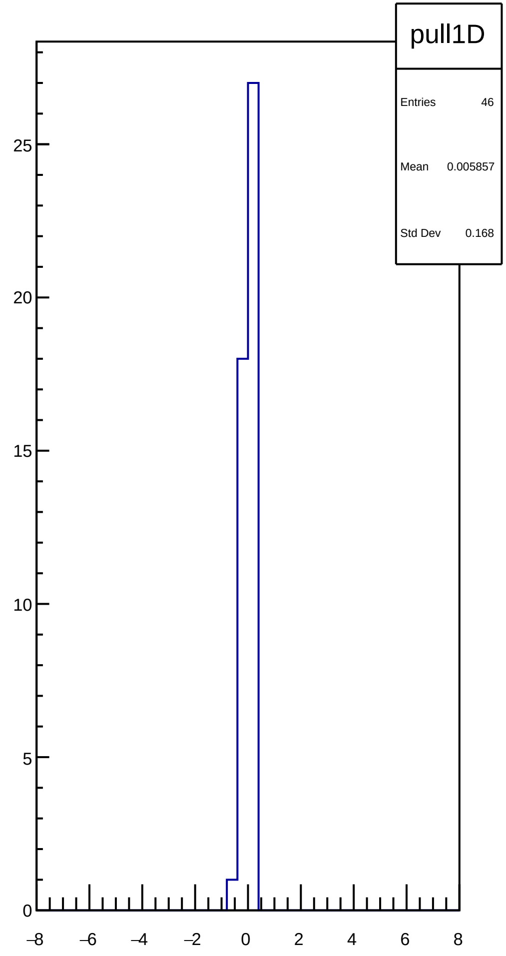
reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 1.316 / 45
p0 3.117 ± 1.162
pull
Entries 46
Mean 52.49
Std Dev 31.47
pull1D
Entries 46
Mean −0.007342
Std Dev 0.169

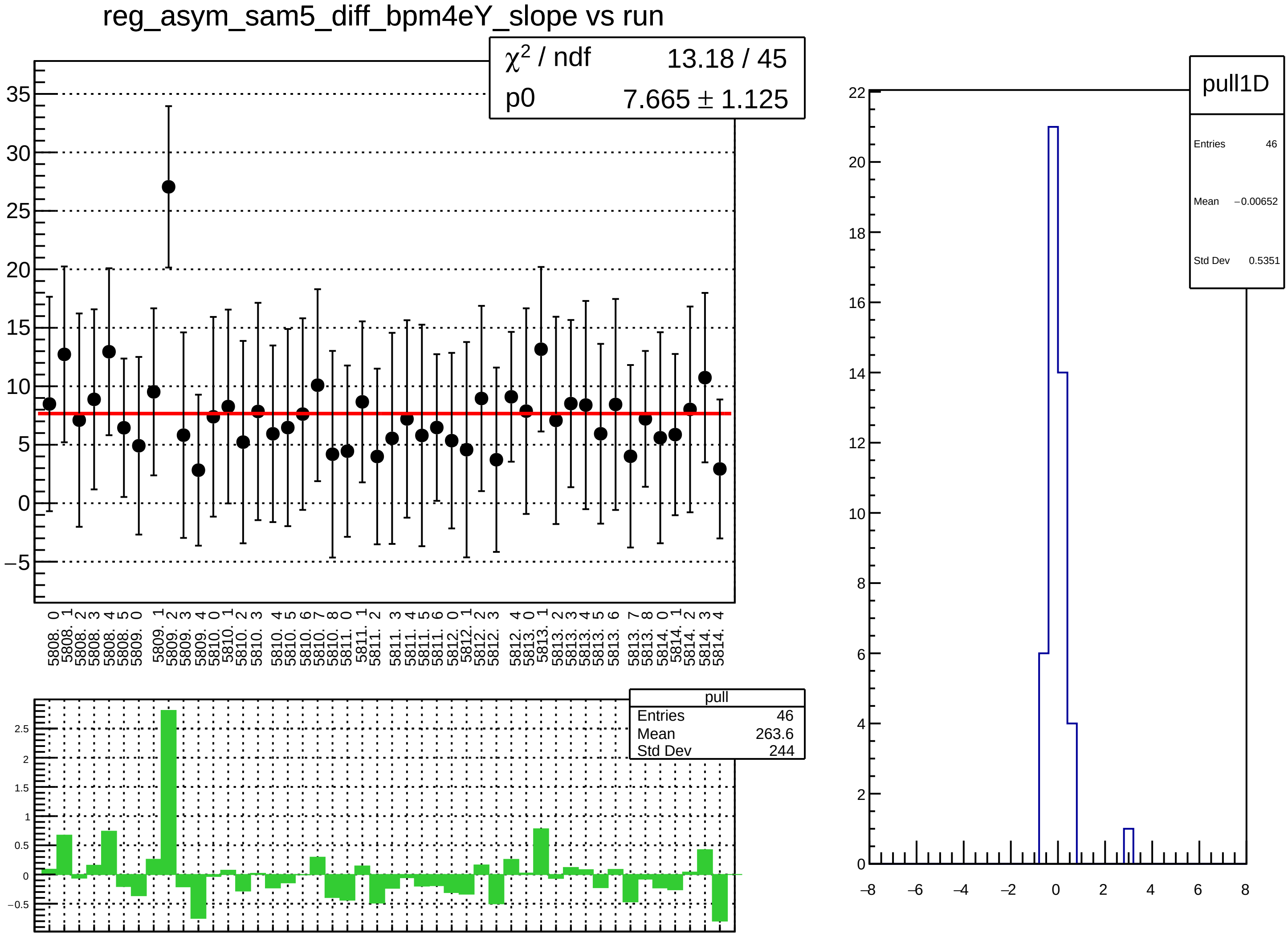


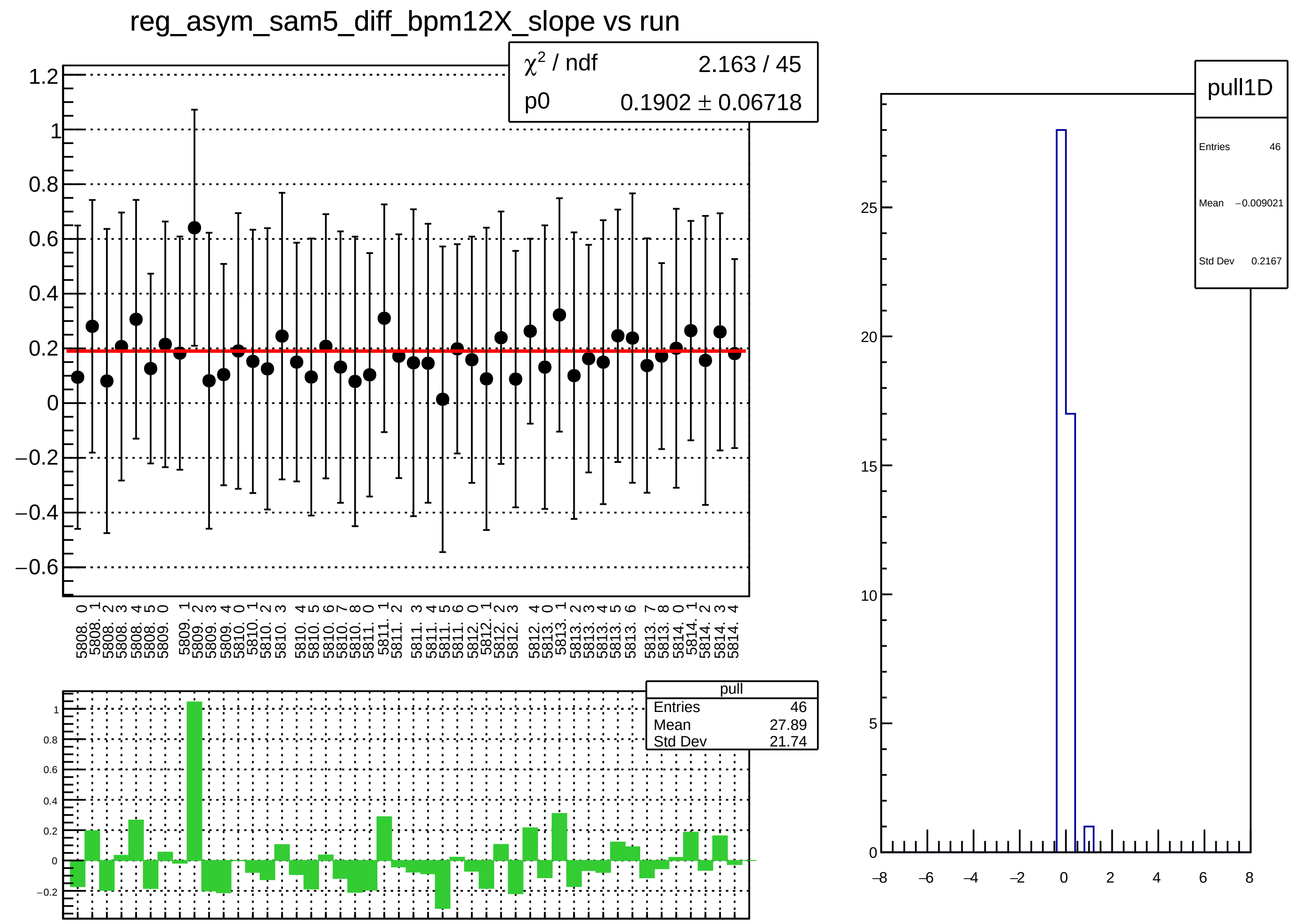
reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 23.16 / 45
p0 59.17 ± 1.028
pull
Entries 46
Mean 110.3
Std Dev 89.08
pull1D
Entries 46
Mean 0.02438
Std Dev 0.7091


reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 1.301 / 45
p0 0.157 ± 1.477

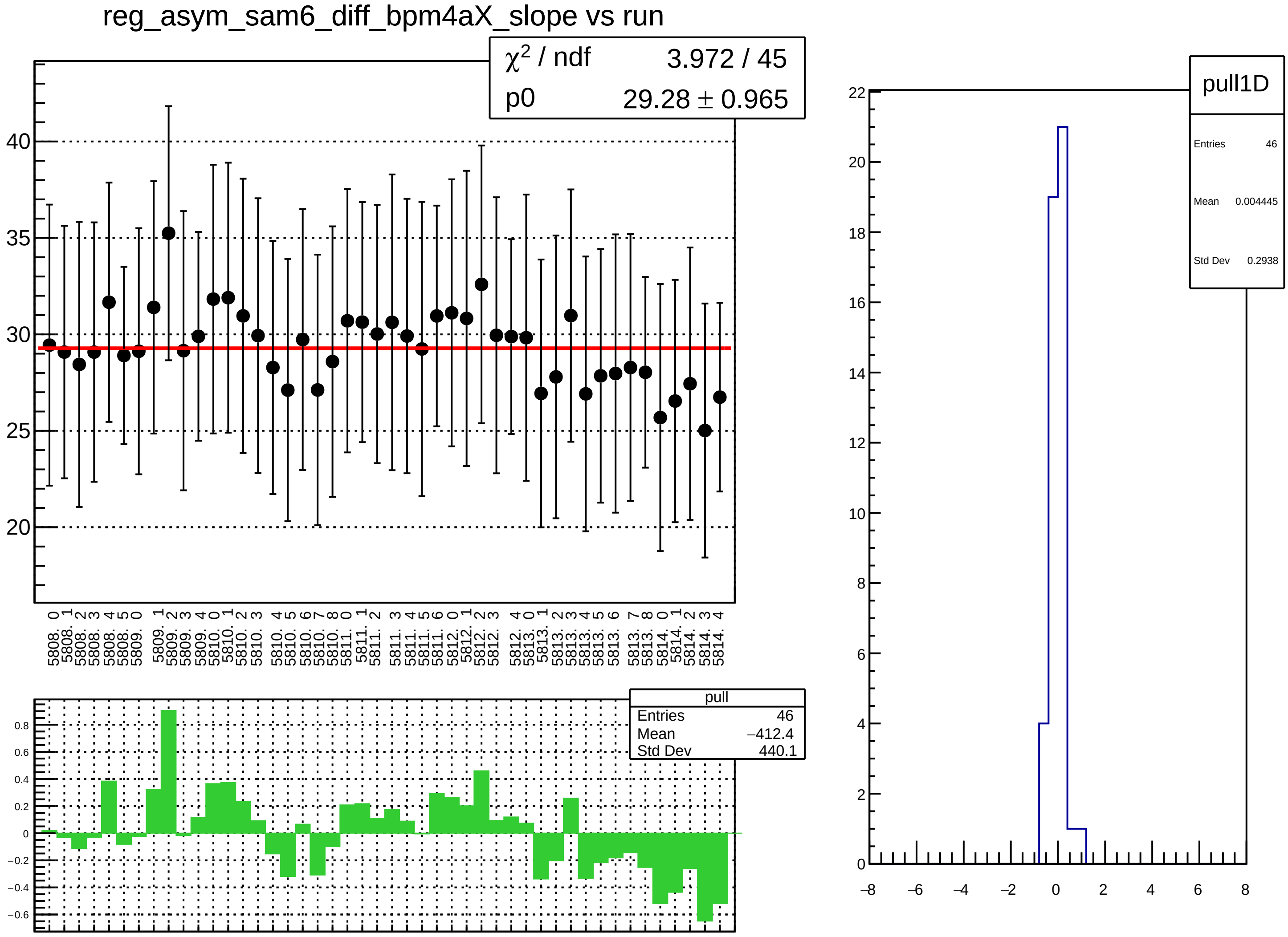

pull
Entries 46
Mean 102.5
Std Dev 80.7


pull1D
Entries 46
Mean 0.005857
Std Dev 0.168

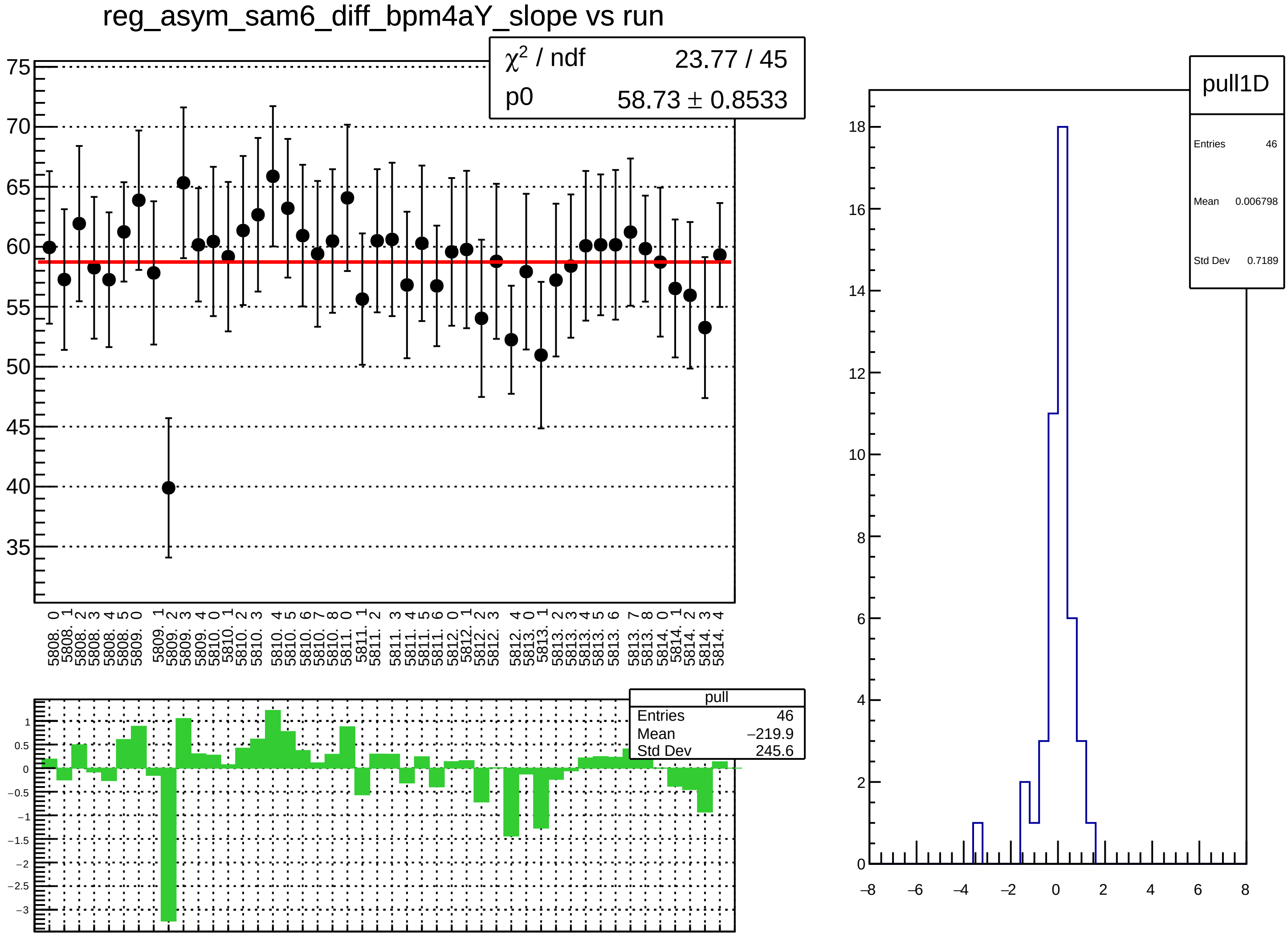

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 13.18 / 45
p0 7.665 ± 1.125
pull
Entries 46
Mean 263.6
Std Dev 244
pull1D
Entries 46
Mean −0.00652
Std Dev 0.5351



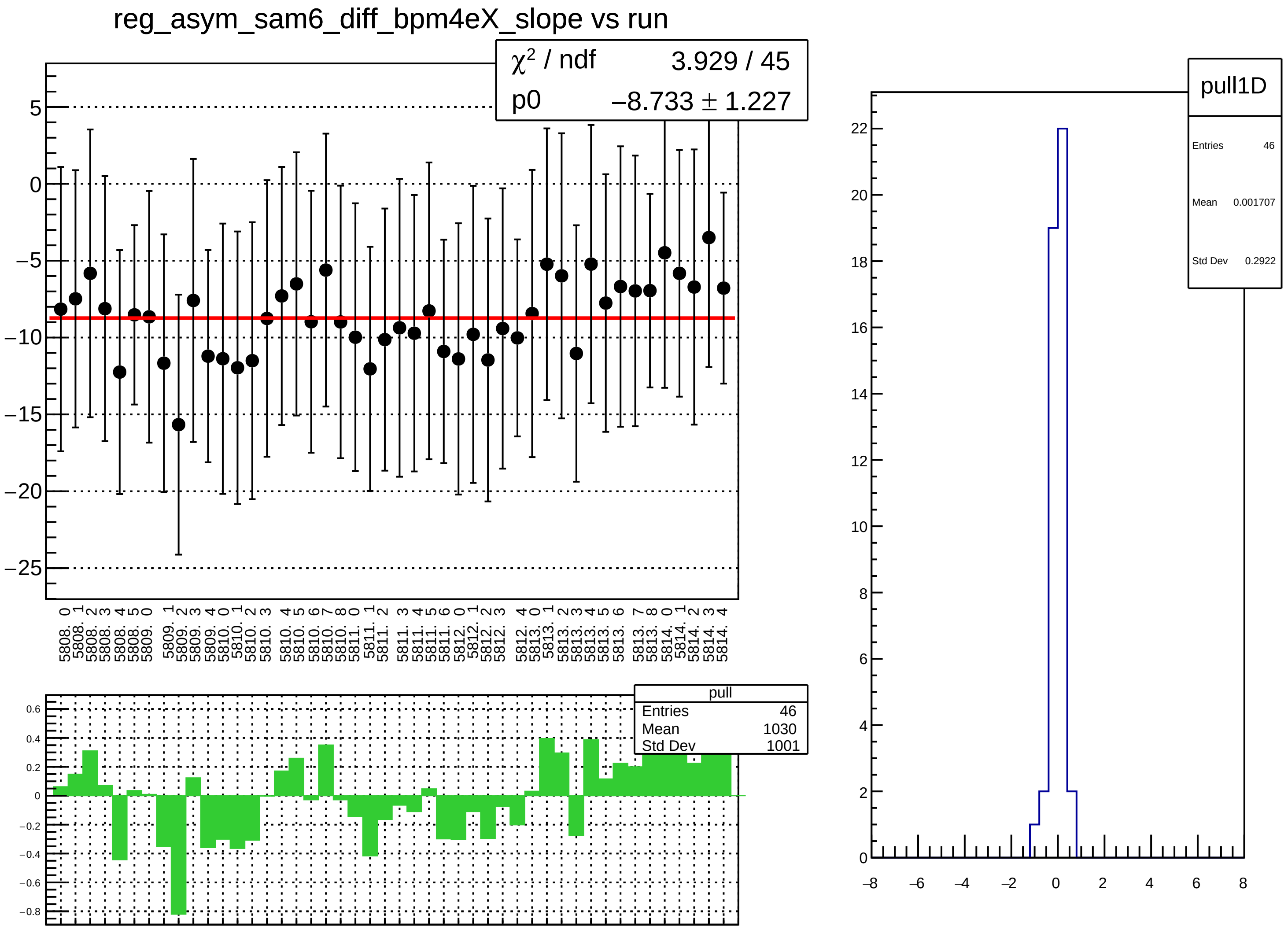
reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 2.163 / 45
p0 0.1902 ± 0.06718
pull
Entries 46
Mean 27.89
Std Dev 21.74
pull1D
Entries 46
Mean −0.009021
Std Dev 0.2167



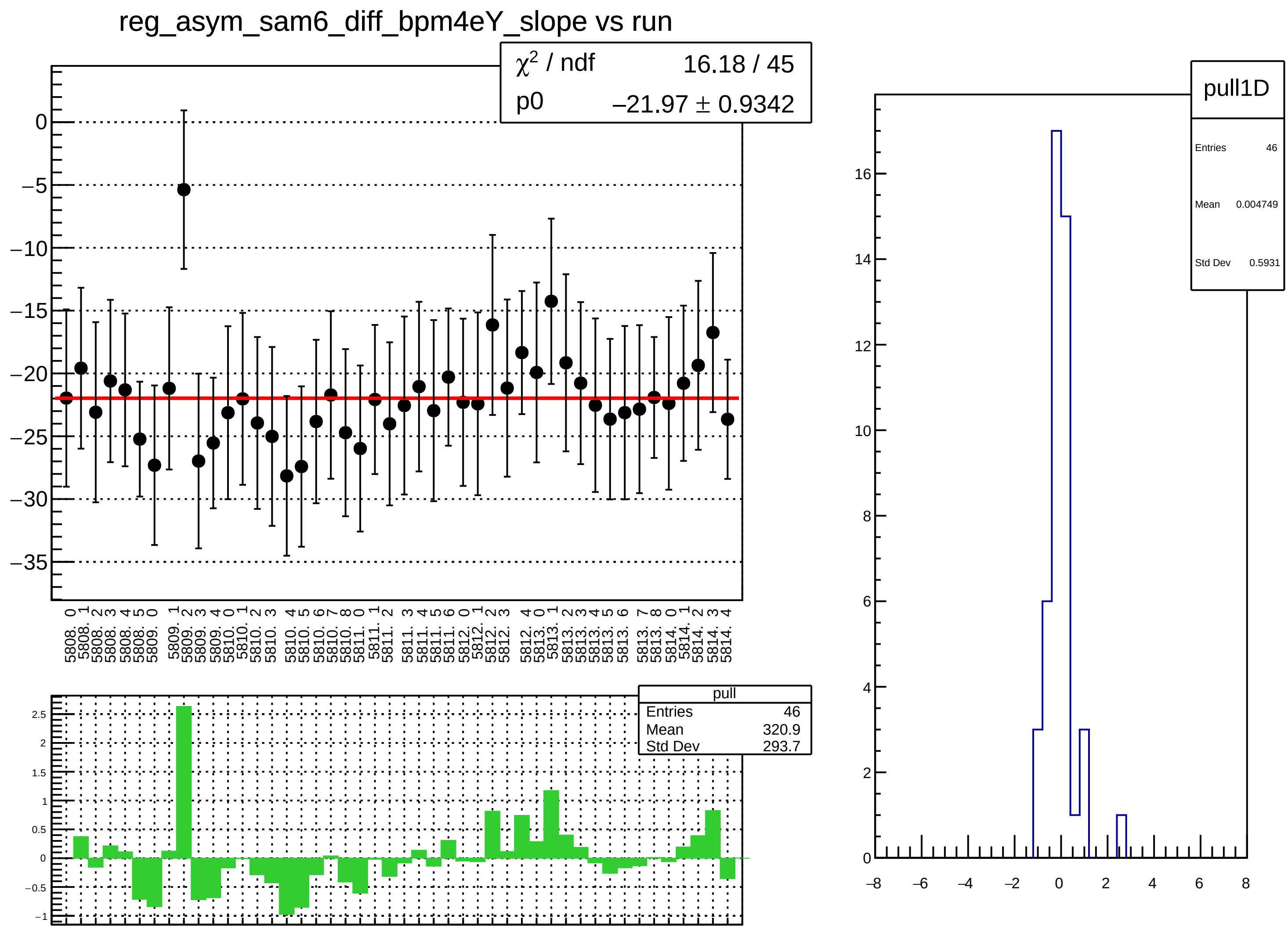
reg_asym_sam6_diff_bpm4aX_slope vs run
χ2 / ndf 3.972 / 45
p0 29.28 ± 0.965
pull
Entries 46
Mean −412.4
Std Dev 440.1
pull1D
Entries 46
Mean 0.004445
Std Dev 0.2938

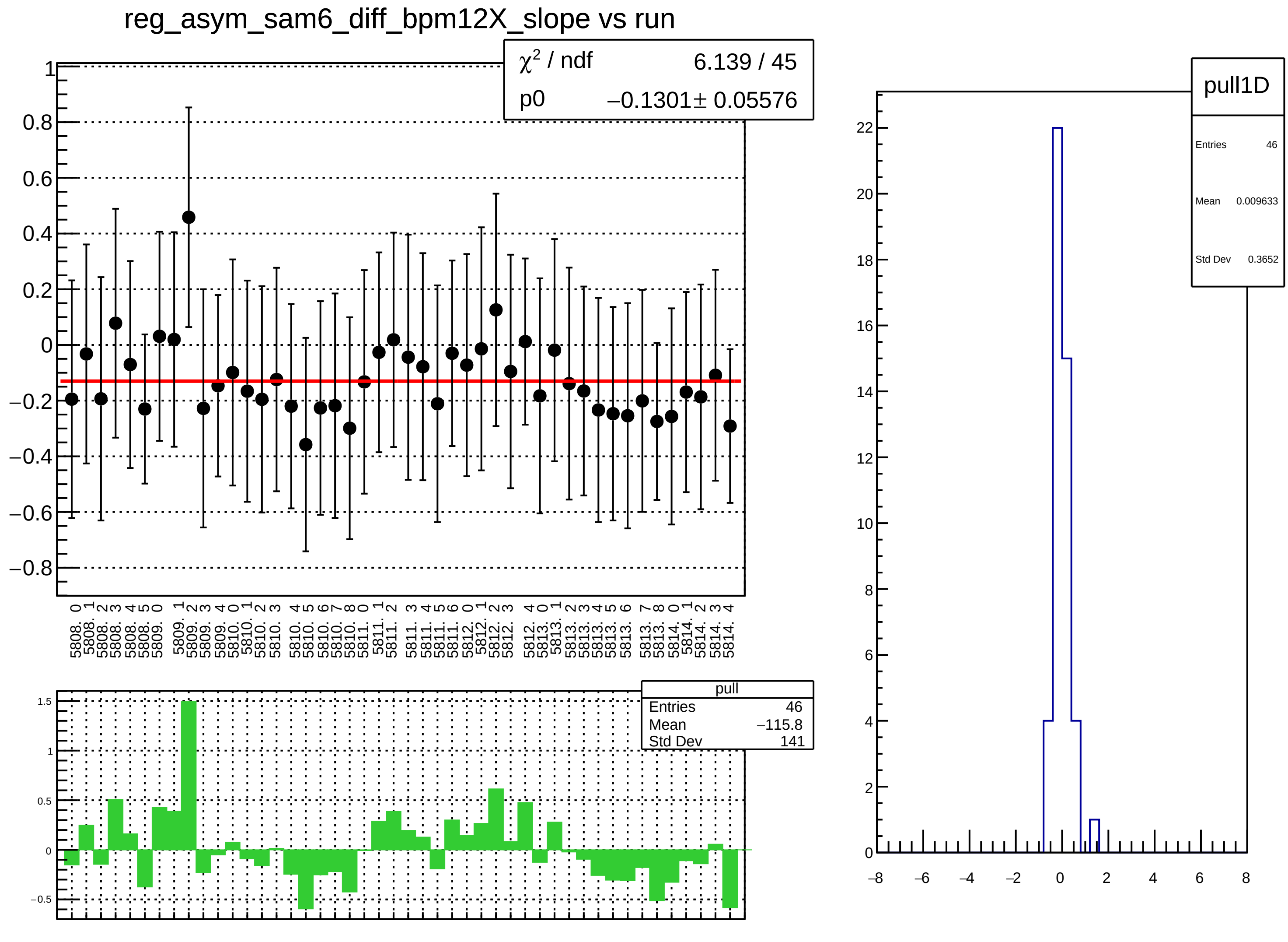


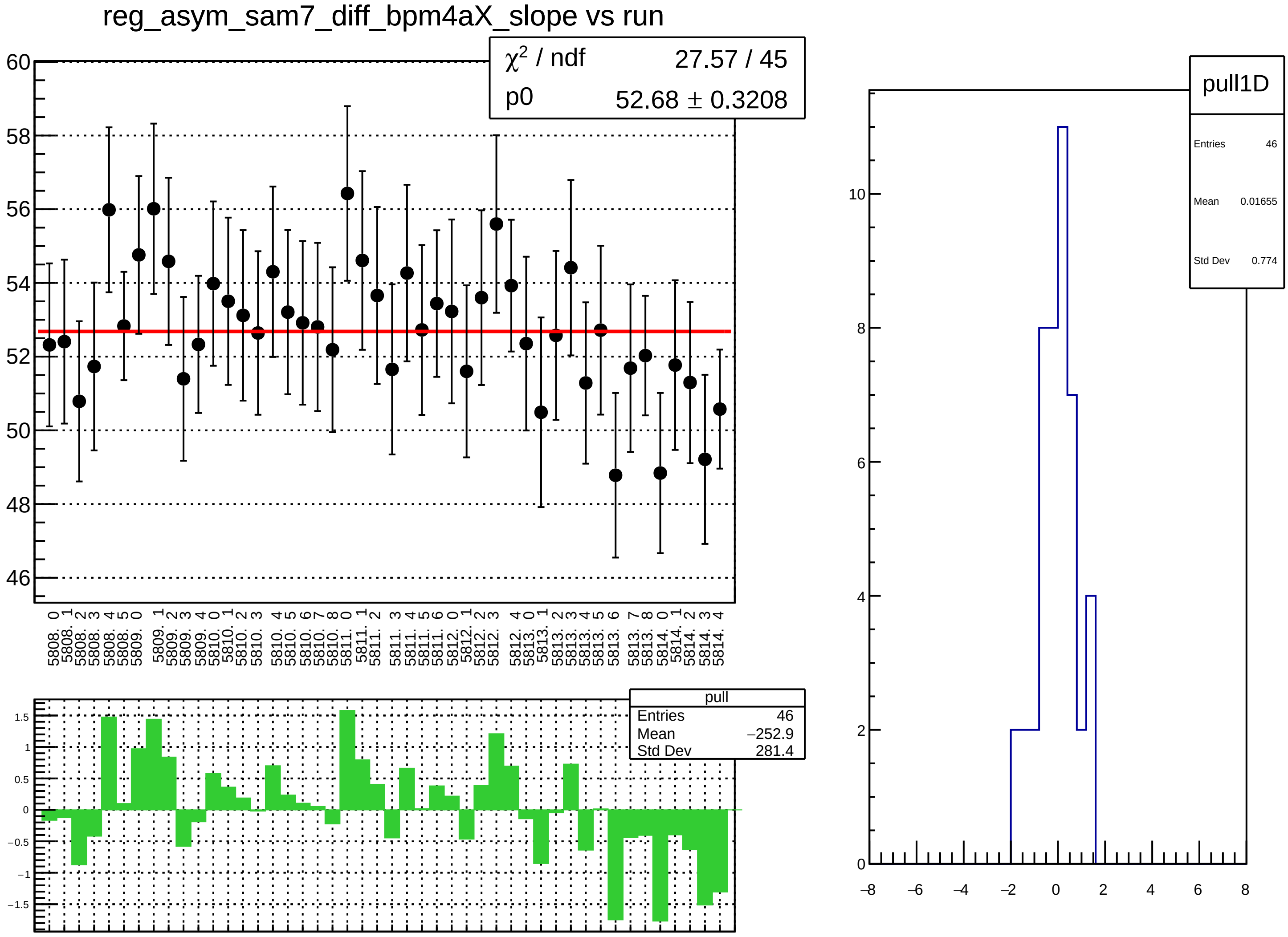
reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 23.77 / 45
p0 58.73 ± 0.8533
pull
Entries 46
Mean −219.9
Std Dev 245.6
pull1D
Entries 46
Mean 0.006798
Std Dev 0.7189



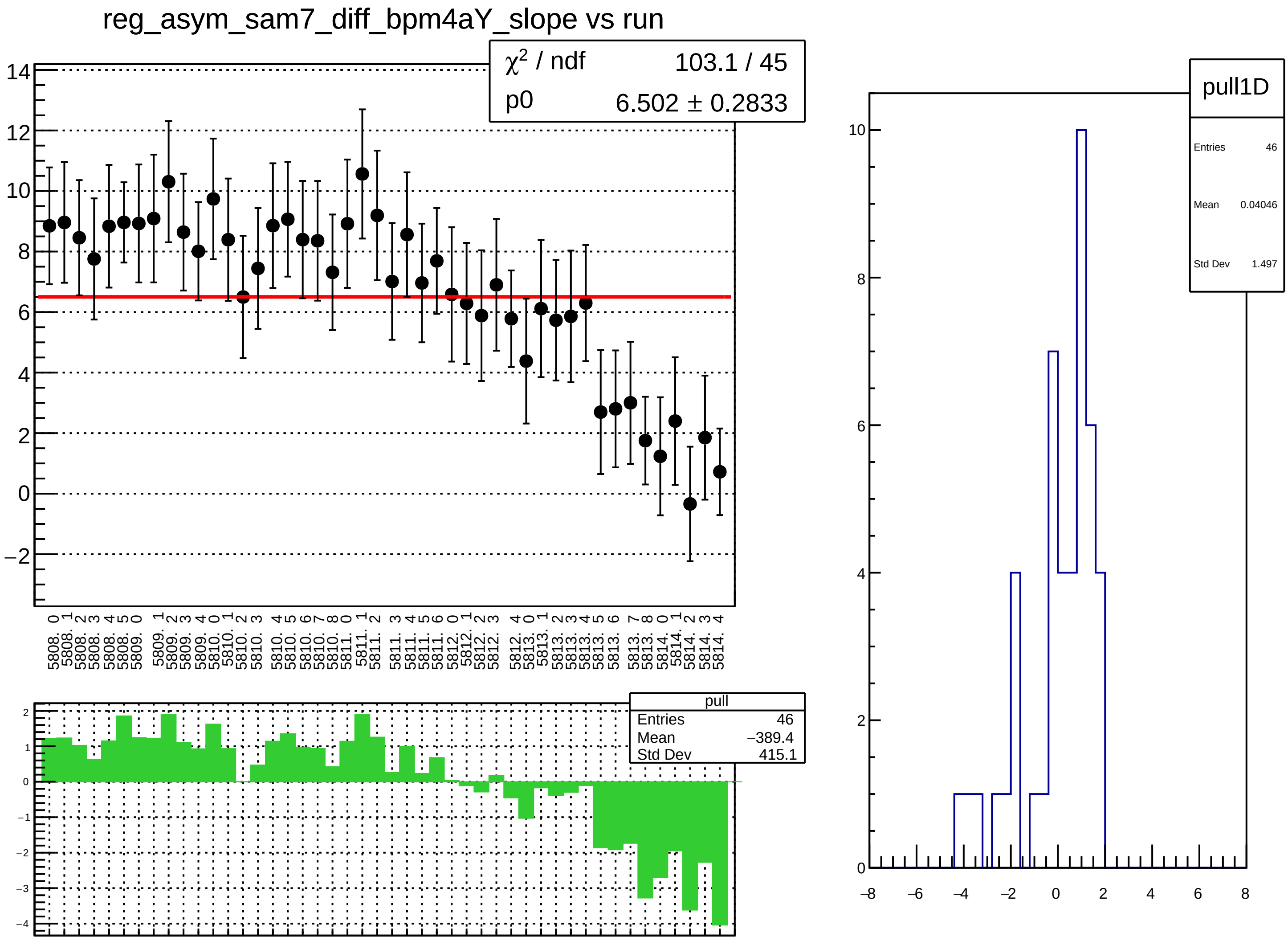
reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.929 / 45
p0 −8.733 ± 1.227
pull
Entries 46
Mean 1030
Std Dev 1001
pull1D
Entries 46
Mean 0.001707
Std Dev 0.2922


reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 16.18 / 45
p0 −21.97 ± 0.9342
pull
Entries 46
Mean 320.9
Std Dev 293.7
pull1D
Entries 46
Mean 0.004749
Std Dev 0.5931

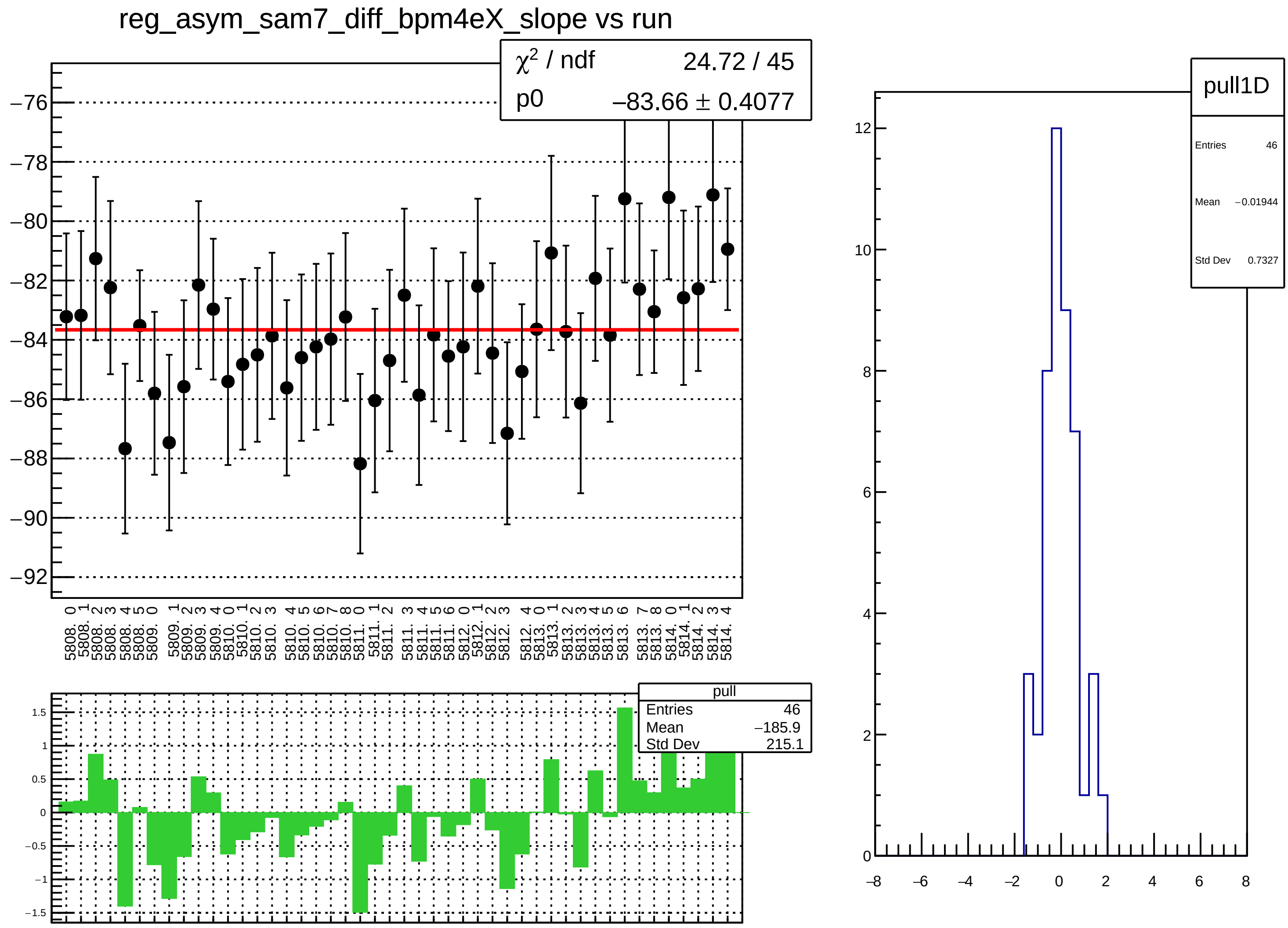

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 6.139 / 45
p0 −0.1301± 0.05576
pull
Entries 46
Mean −115.8
Std Dev 141
pull1D
Entries 46
Mean 0.009633
Std Dev 0.3652



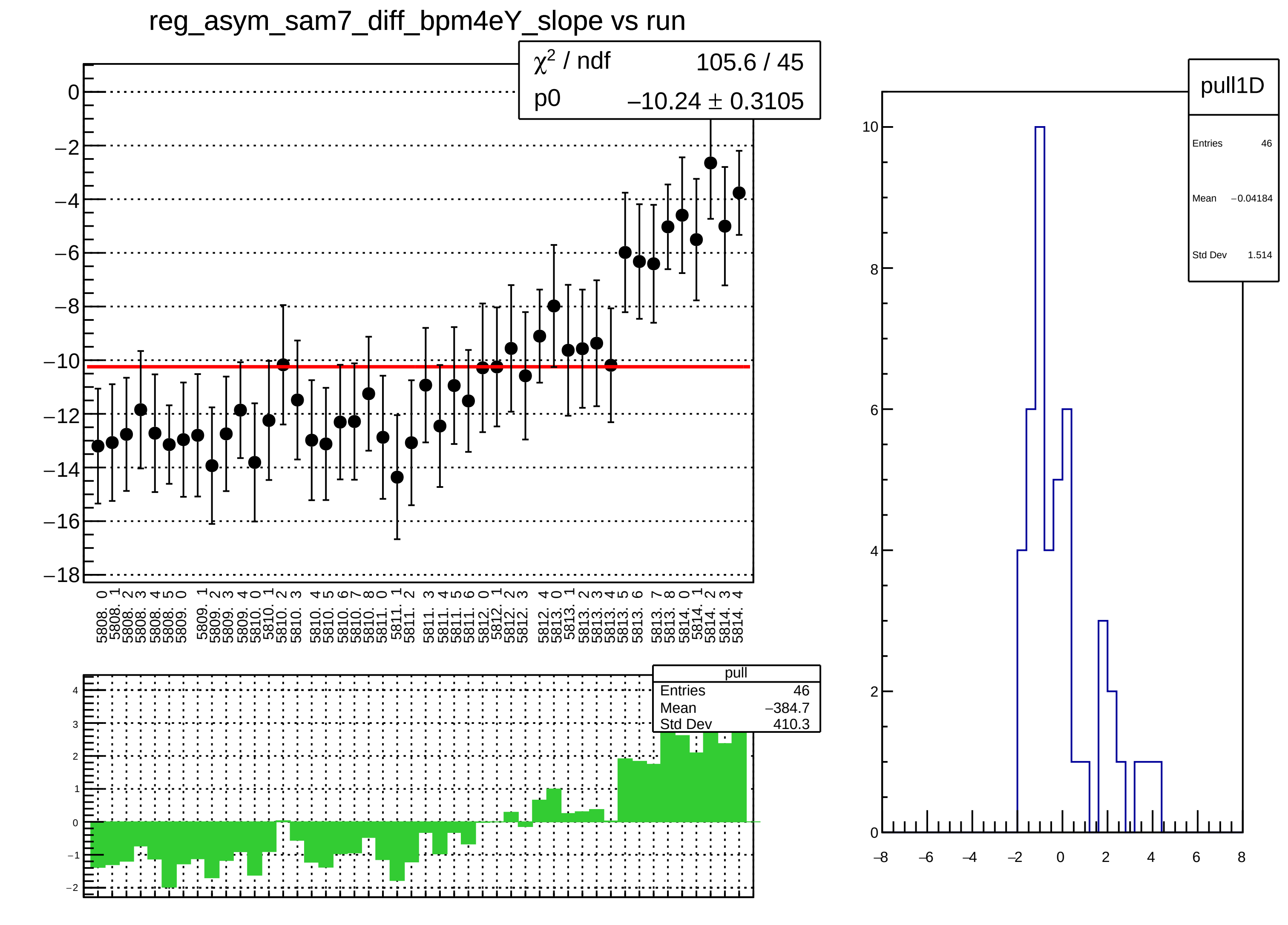
reg_asym_sam7_diff_bpm4aX_slope vs run
χ^2 / ndf 27.57 / 45
p0 52.68 ± 0.3208
pull
Entries 46
Mean −252.9
Std Dev 281.4
pull1D
Entries 46
Mean 0.01655
Std Dev 0.774



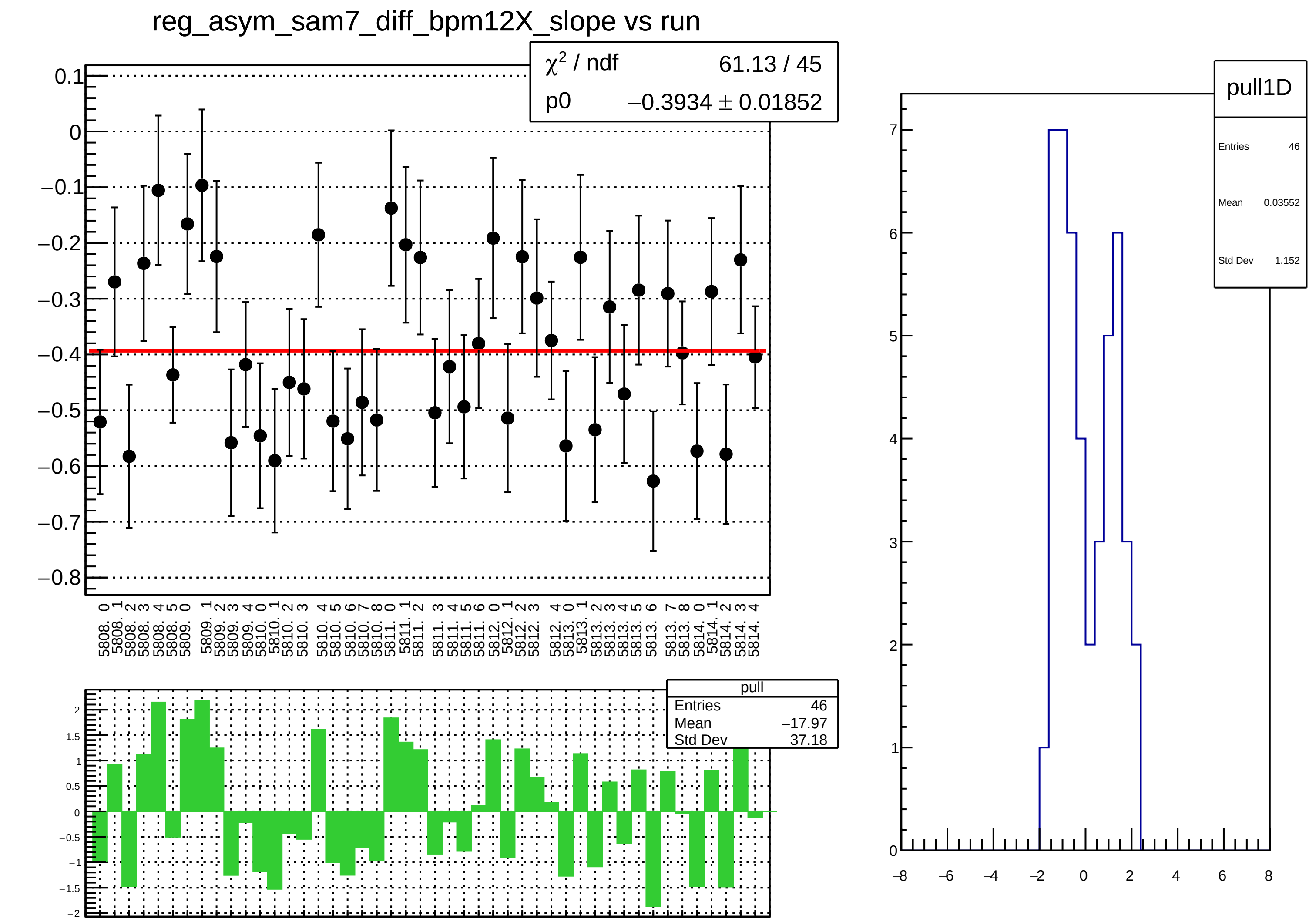
reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 103.1 / 45
p0 6.502 ± 0.2833
pull
Entries 46
Mean −389.4
Std Dev 415.1
pull1D
Entries 46
Mean 0.04046
Std Dev 1.497

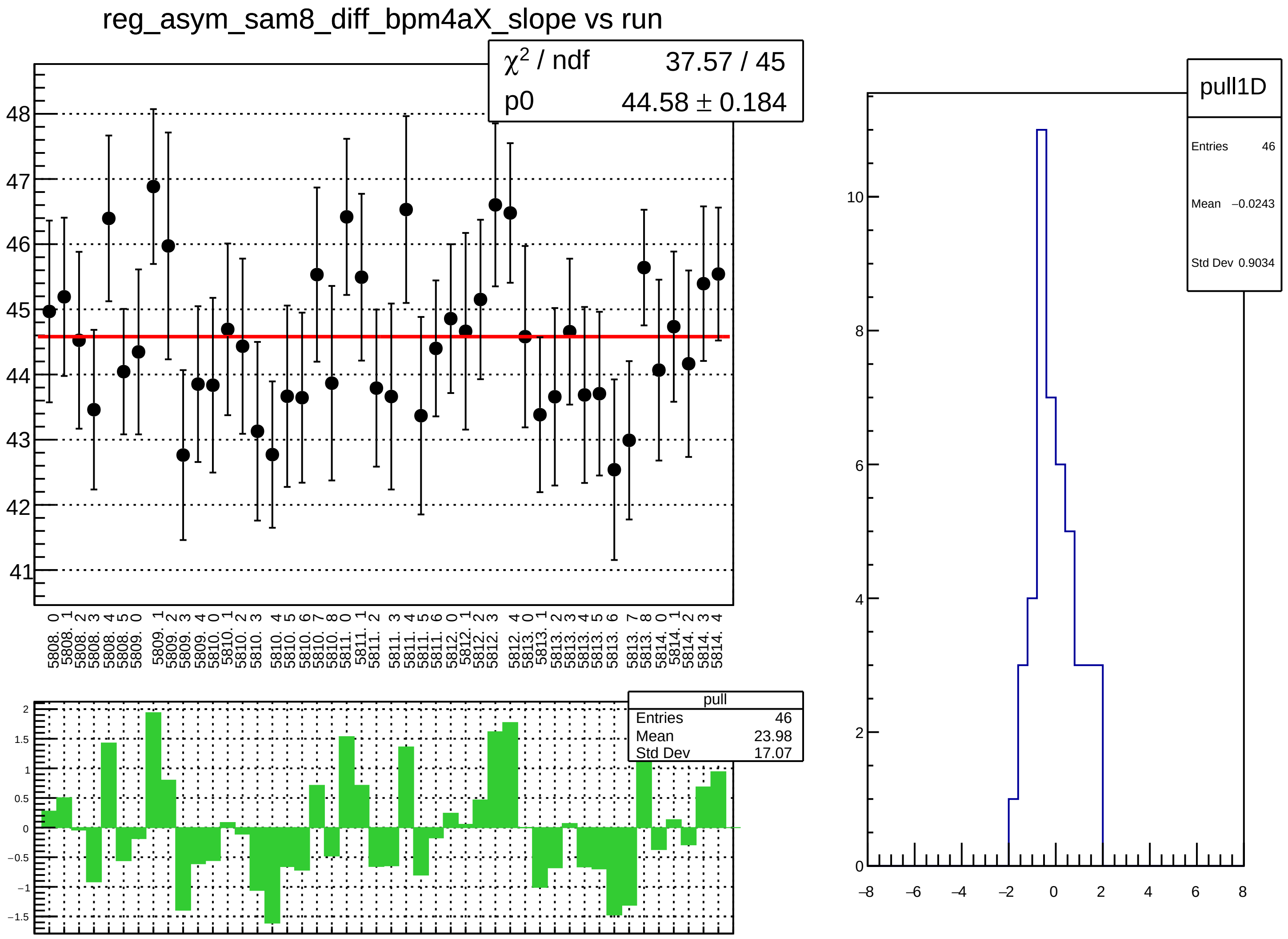


reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 24.72 / 45
p0 −83.66 ± 0.4077
pull
Entries 46
Mean −185.9
Std Dev 215.1
pull1D
Entries 46
Mean −0.01944
Std Dev 0.7327



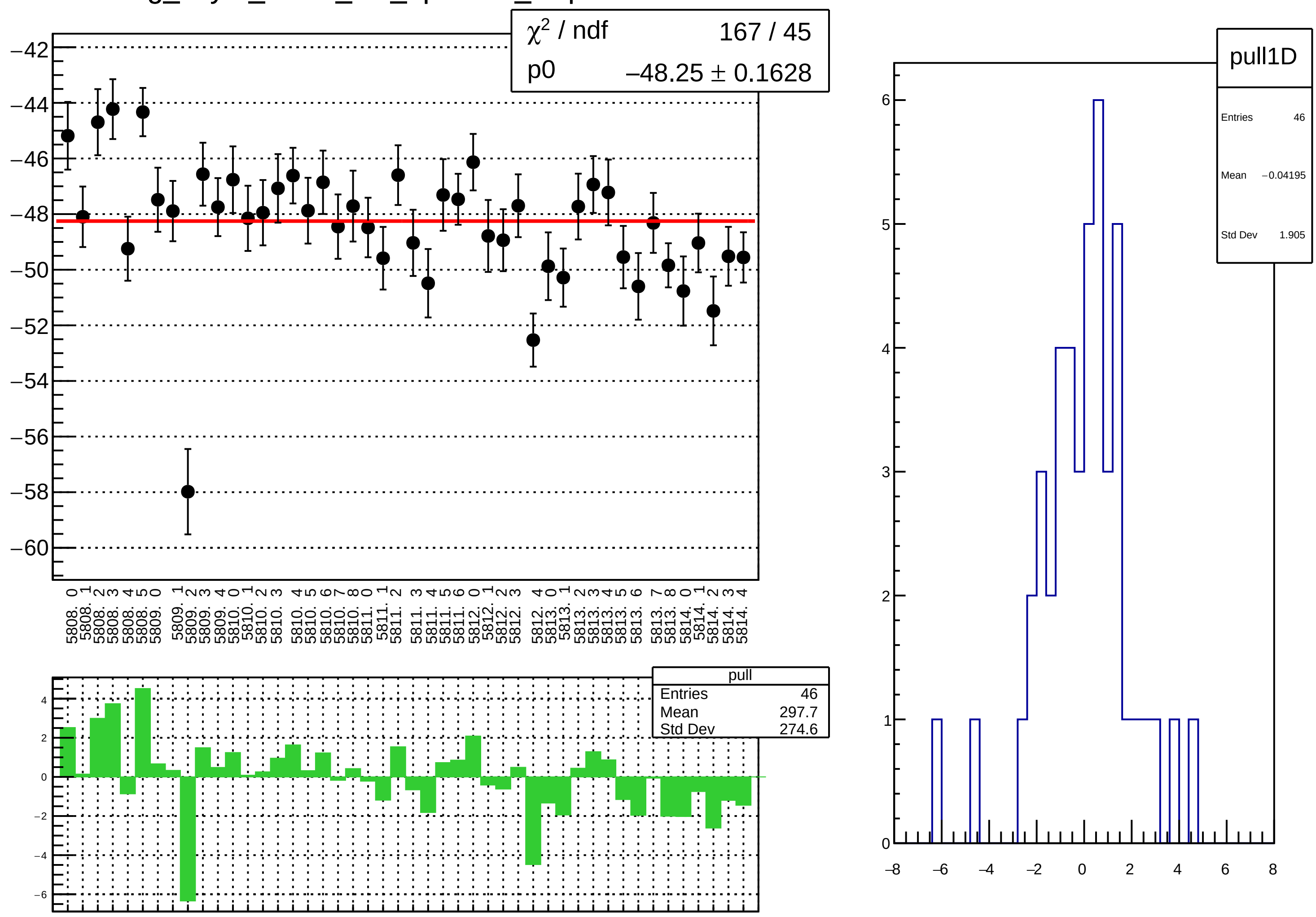
reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 105.6 / 45
p0 −10.24 ± 0.3105
pull
Entries 46
Mean −384.7
Std Dev 410.3
pull1D
Entries 46
Mean −0.04184
Std Dev 1.514

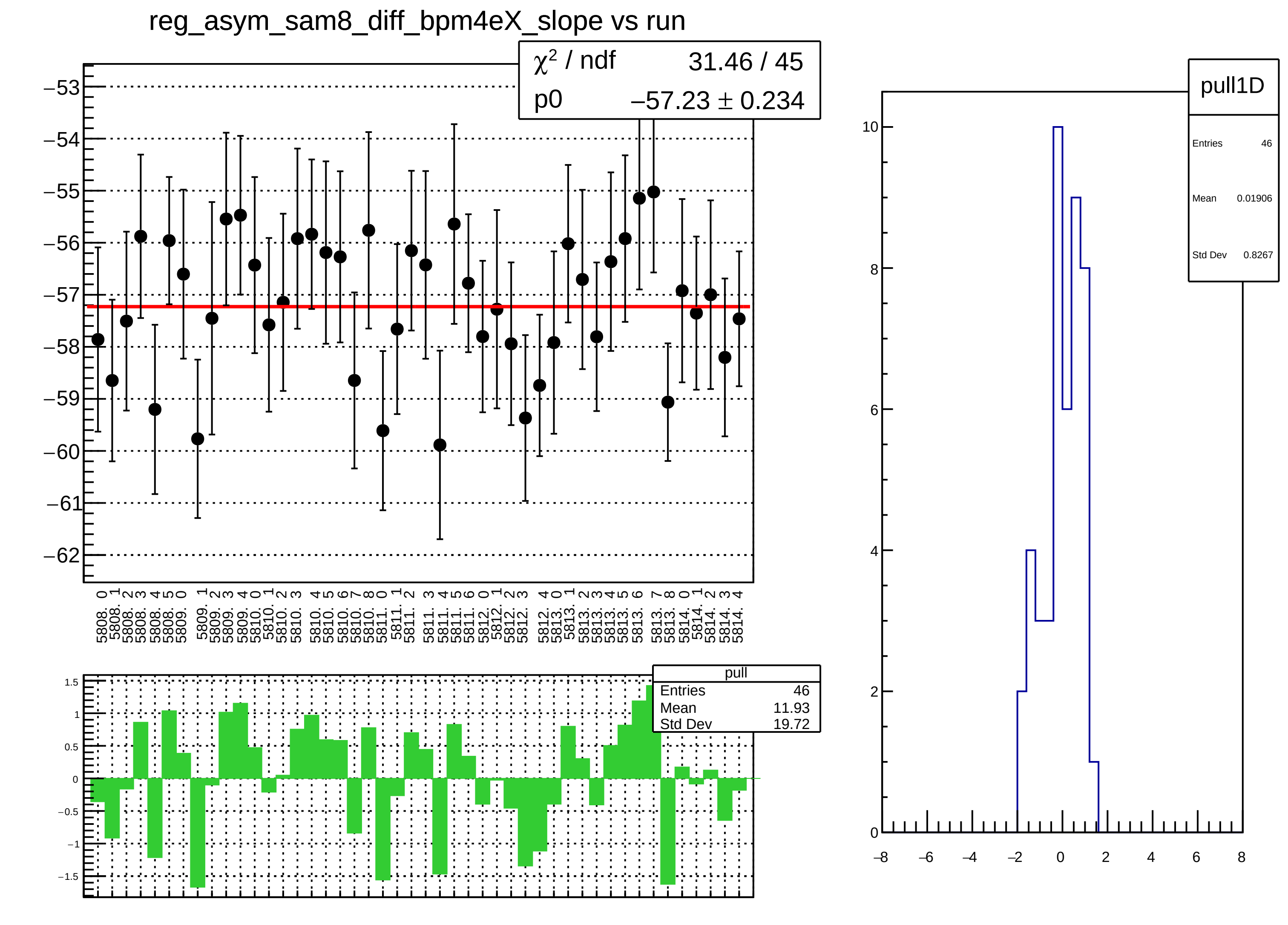

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 61.13 / 45
p0 −0.3934 ± 0.01852
pull
Entries 46
Mean −17.97
Std Dev 37.18
pull1D
Entries 46
Mean 0.03552
Std Dev 1.152

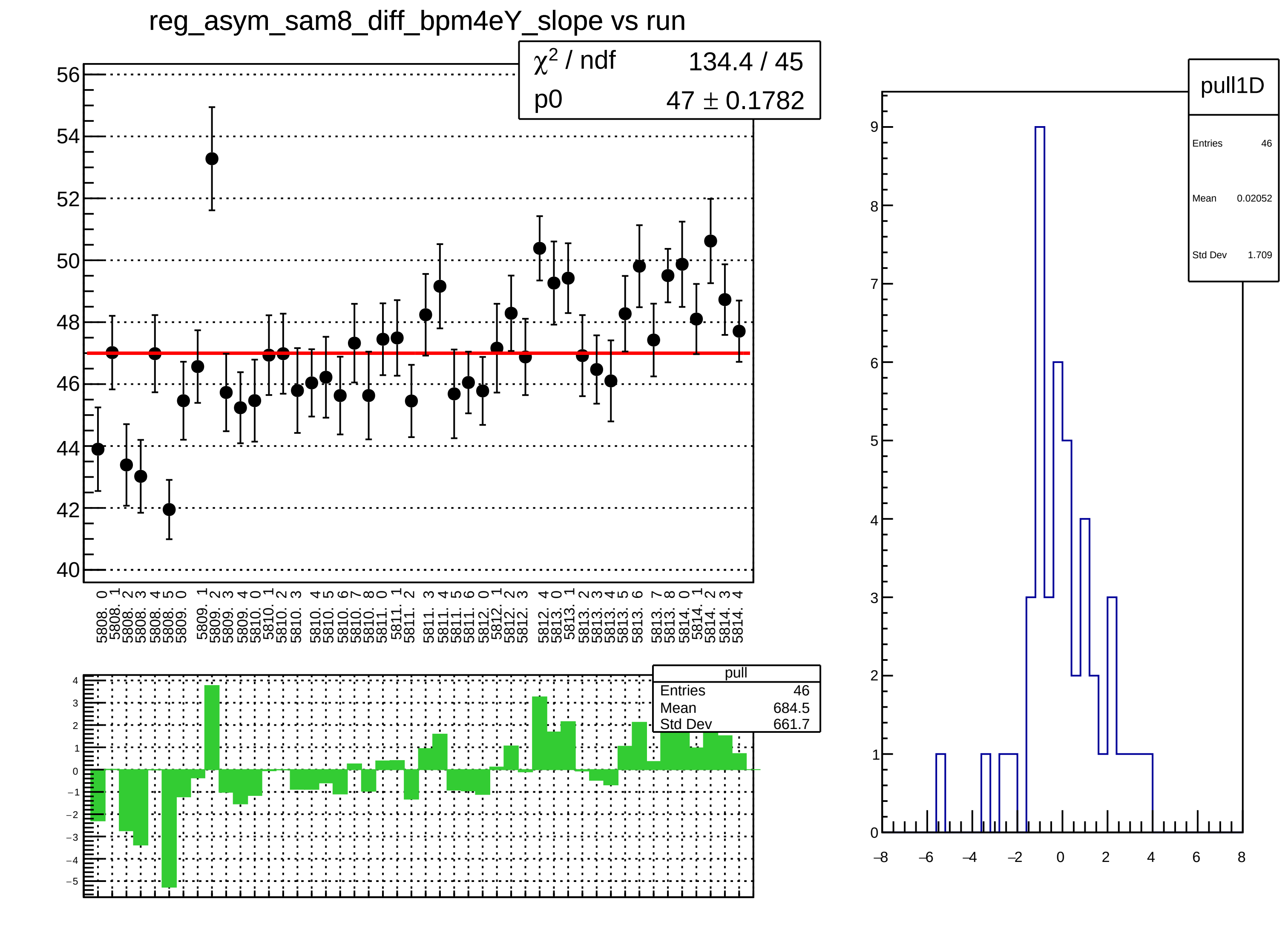


reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 37.57 / 45
p0 44.58 ± 0.184
pull
Entries 46
Mean 23.98
Std Dev 17.07
pull1D
Entries 46
Mean −0.0243
Std Dev 0.9034

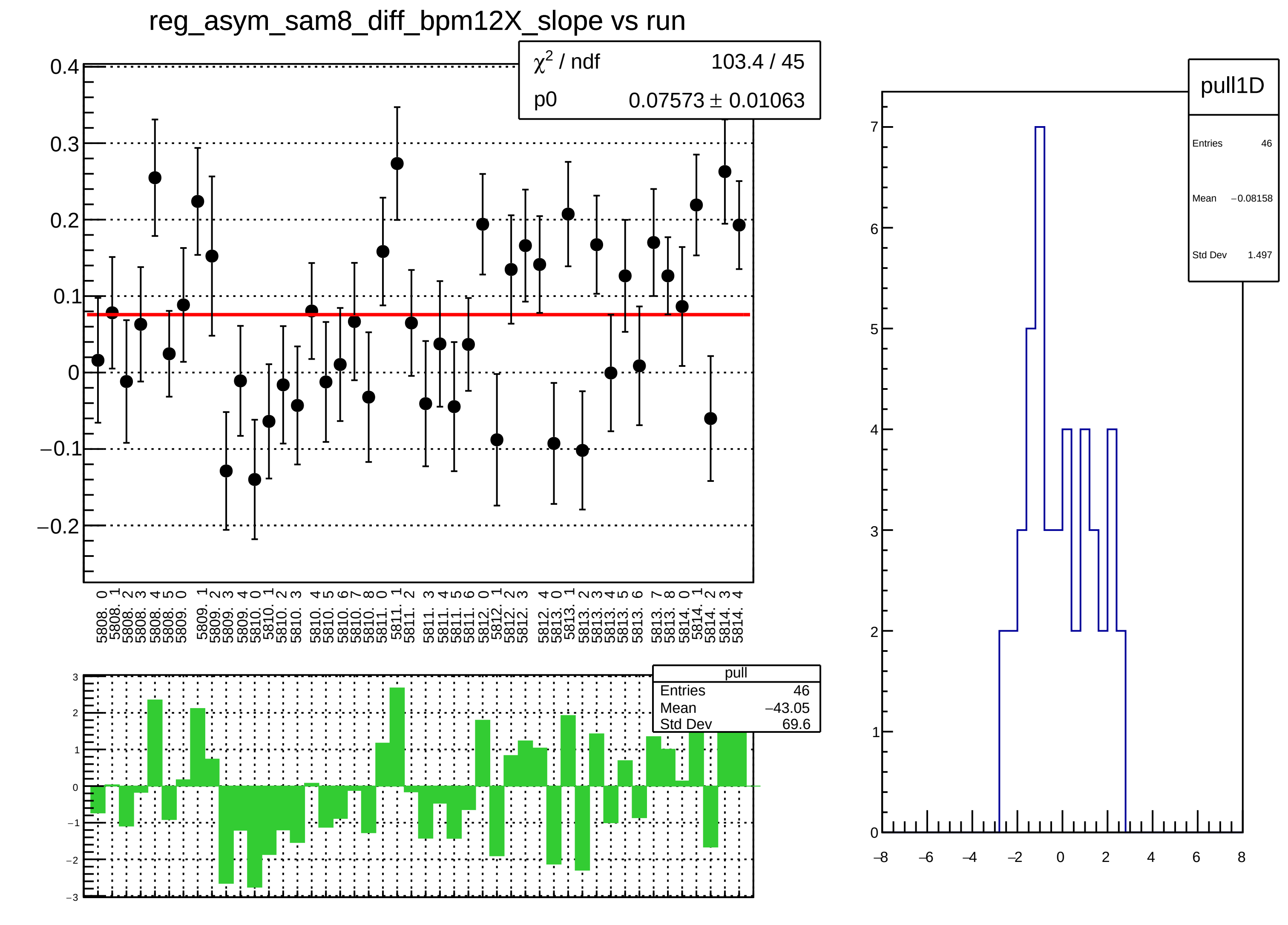
reg_asym_sam8_diff_bpm4aY_slope vs run



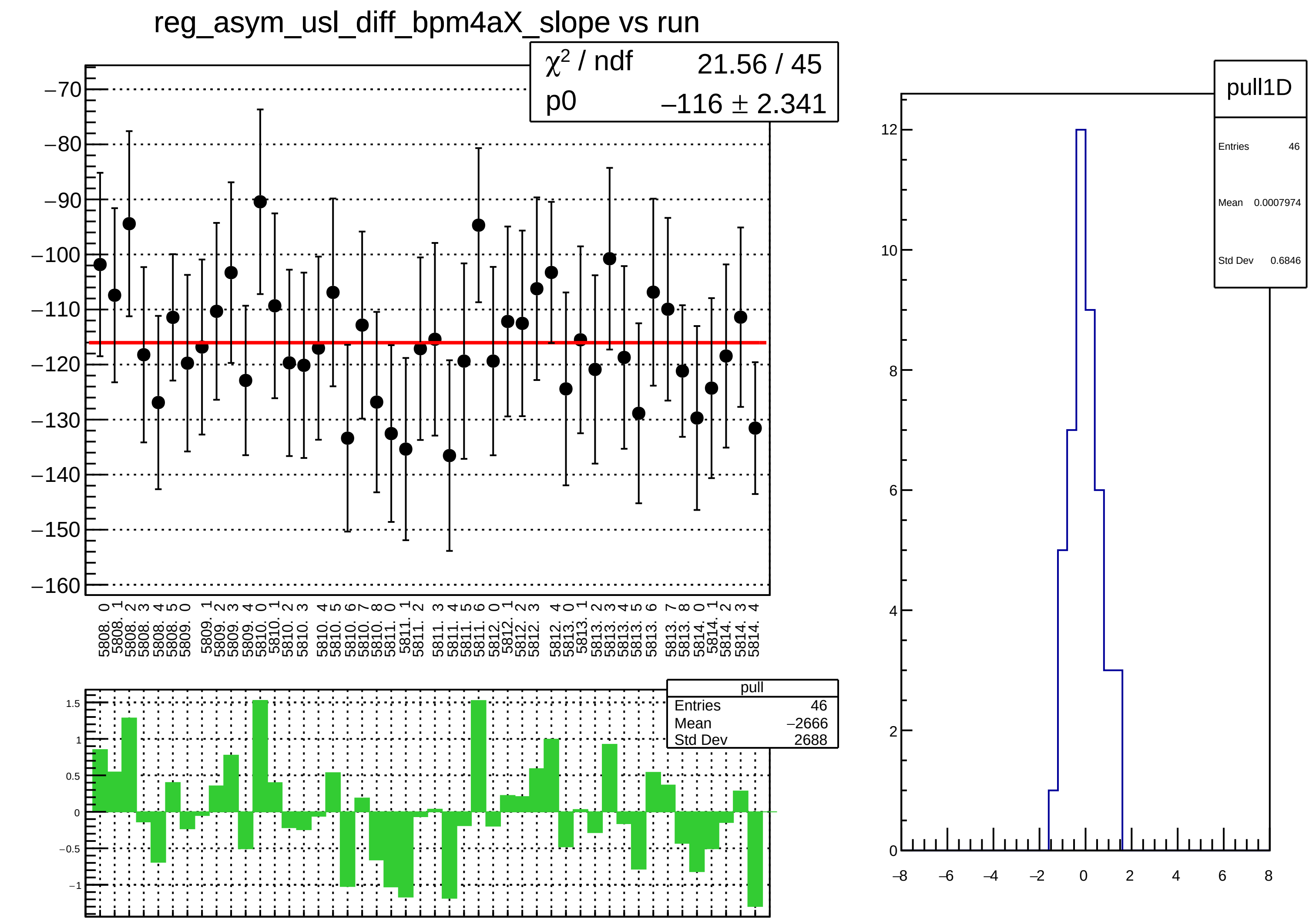

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 31.46 / 45
p0 −57.23 ± 0.234
pull
Entries 46
Mean 11.93
Std Dev 19.72
pull1D
Entries 46
Mean 0.01906
Std Dev 0.8267

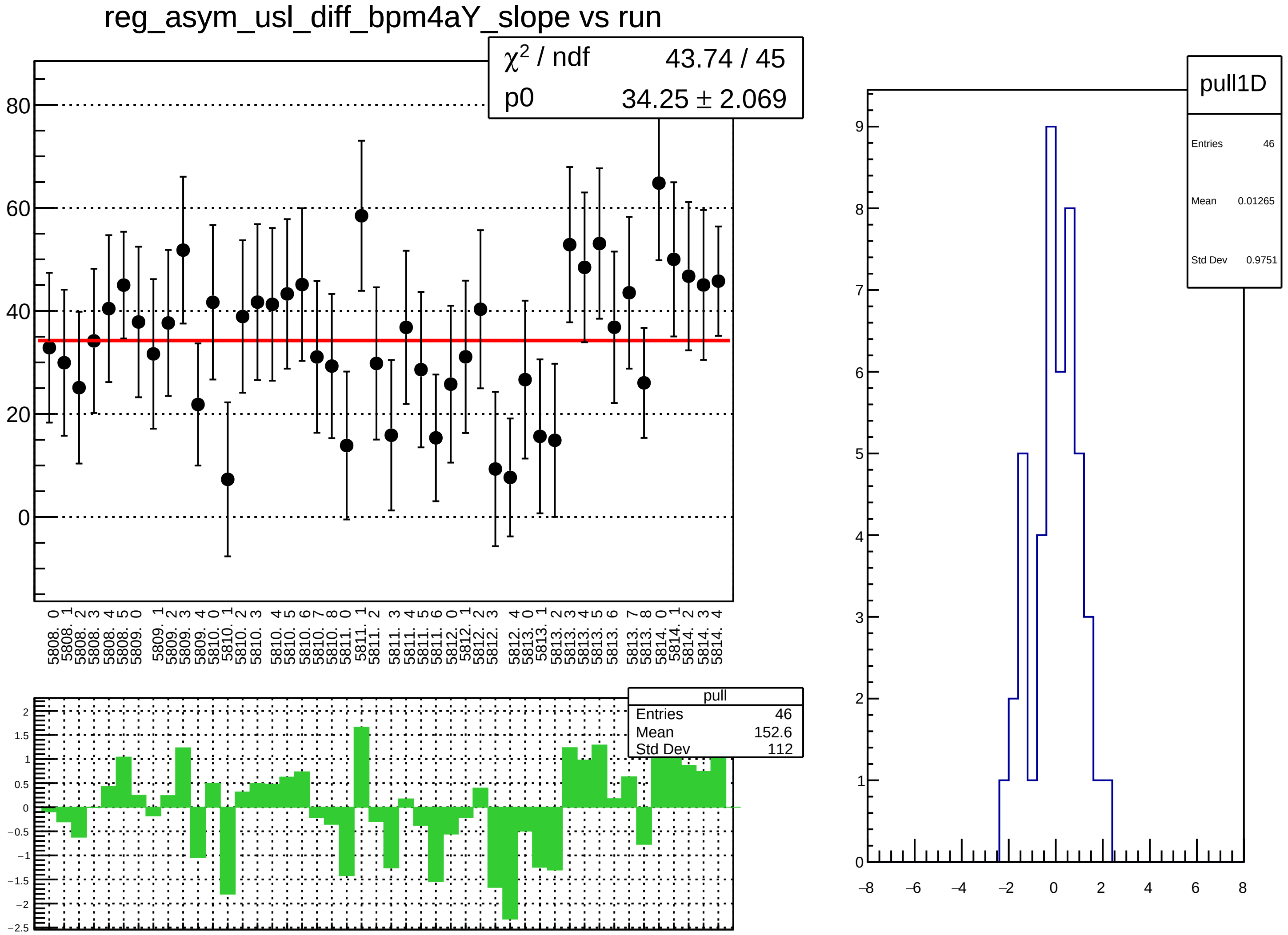


reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 134.4 / 45
p0 47 ± 0.1782
pull
Entries 46
Mean 684.5
Std Dev 661.7
pull1D
Entries 46
Mean 0.02052
Std Dev 1.709

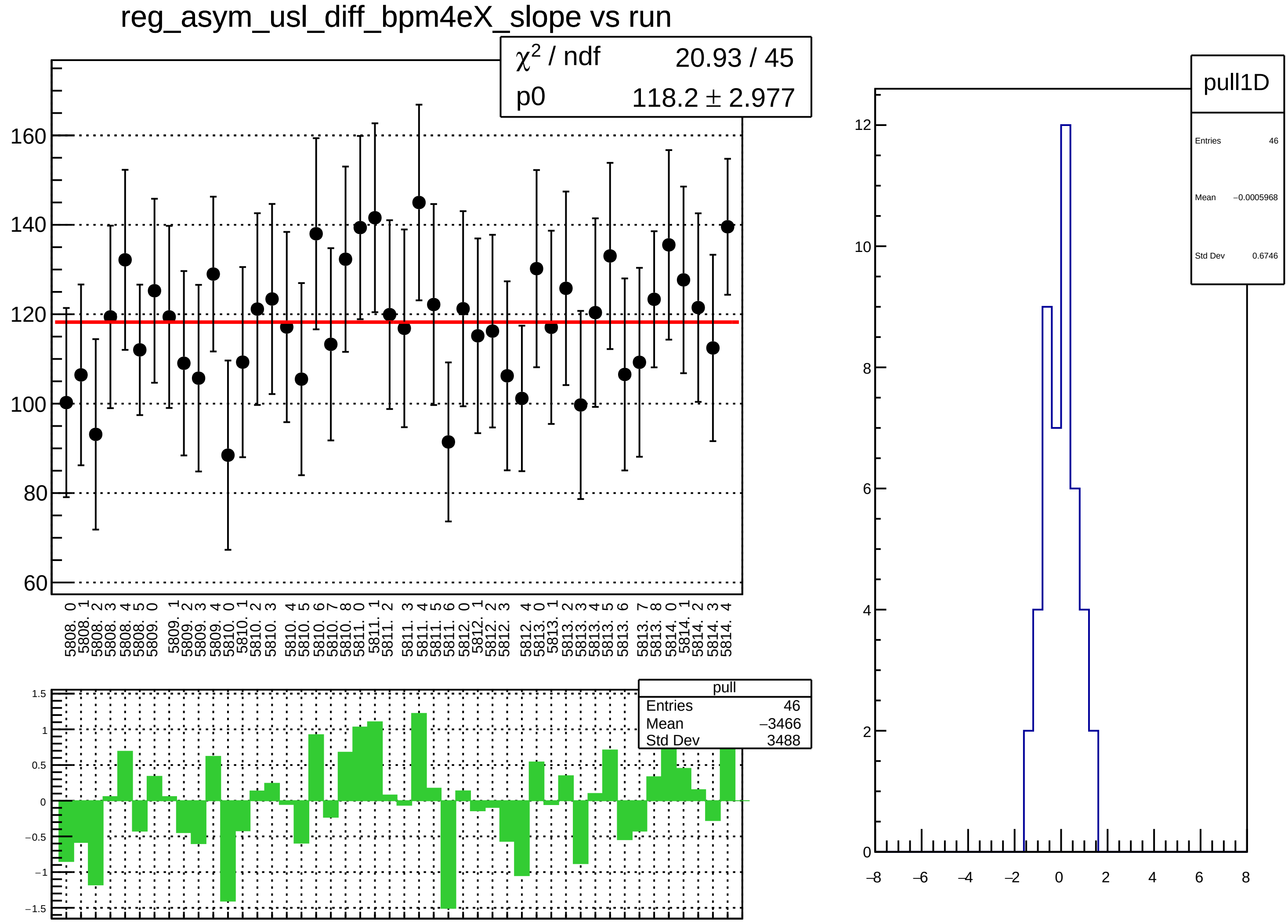


reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 103.4 / 45
p0 0.07573 ± 0.01063
pull
Entries 46
Mean −43.05
Std Dev 69.6
pull1D
Entries 46
Mean −0.08158
Std Dev 1.497

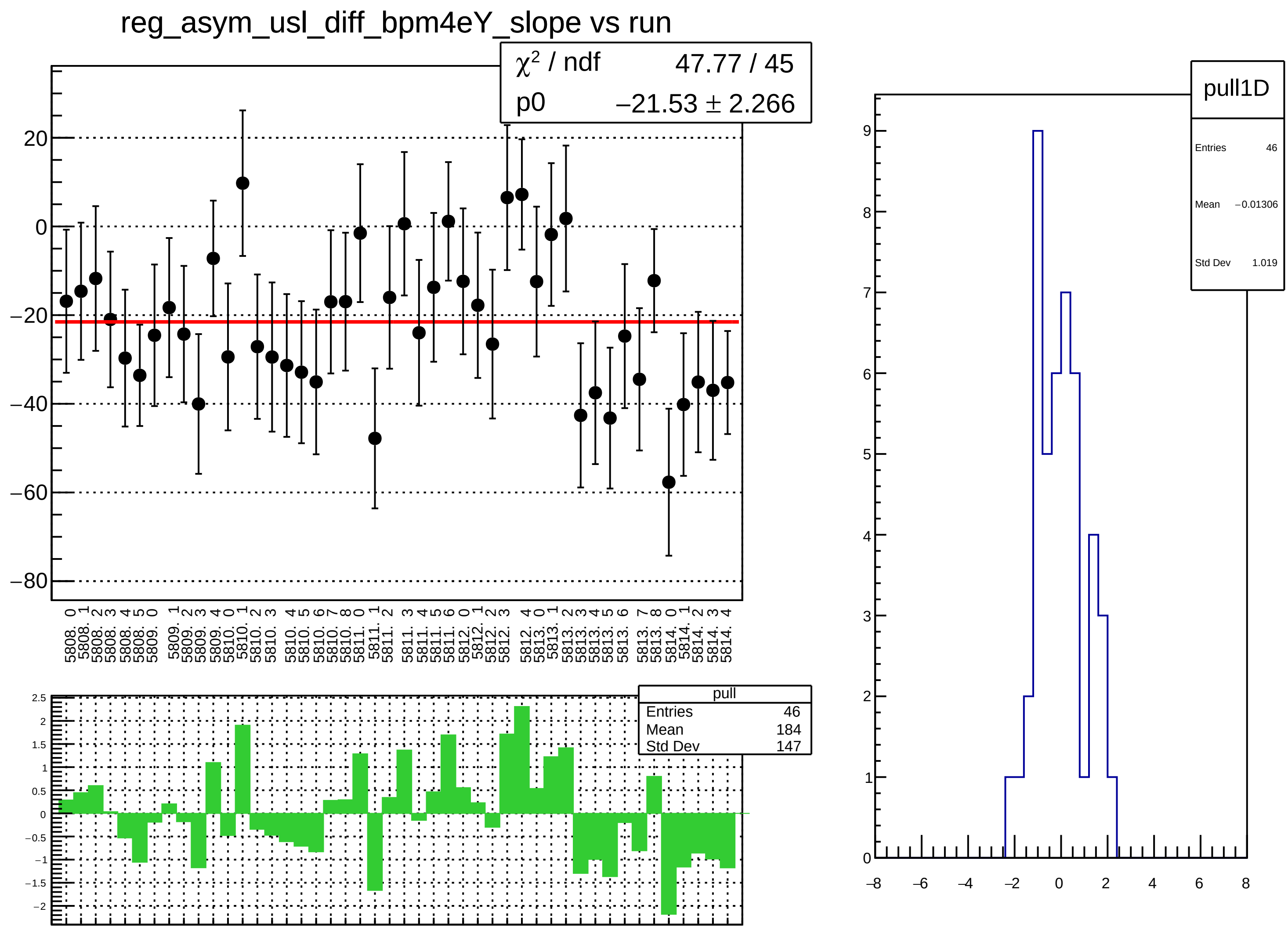

reg_asym_usl_diff_bpm4aX_slope vs run
χ2 / ndf 21.56 / 45
p0 −116 ± 2.341
pull
Entries 46
Mean −2666
Std Dev 2688
pull1D
Entries 46
Mean 0.0007974
Std Dev 0.6846



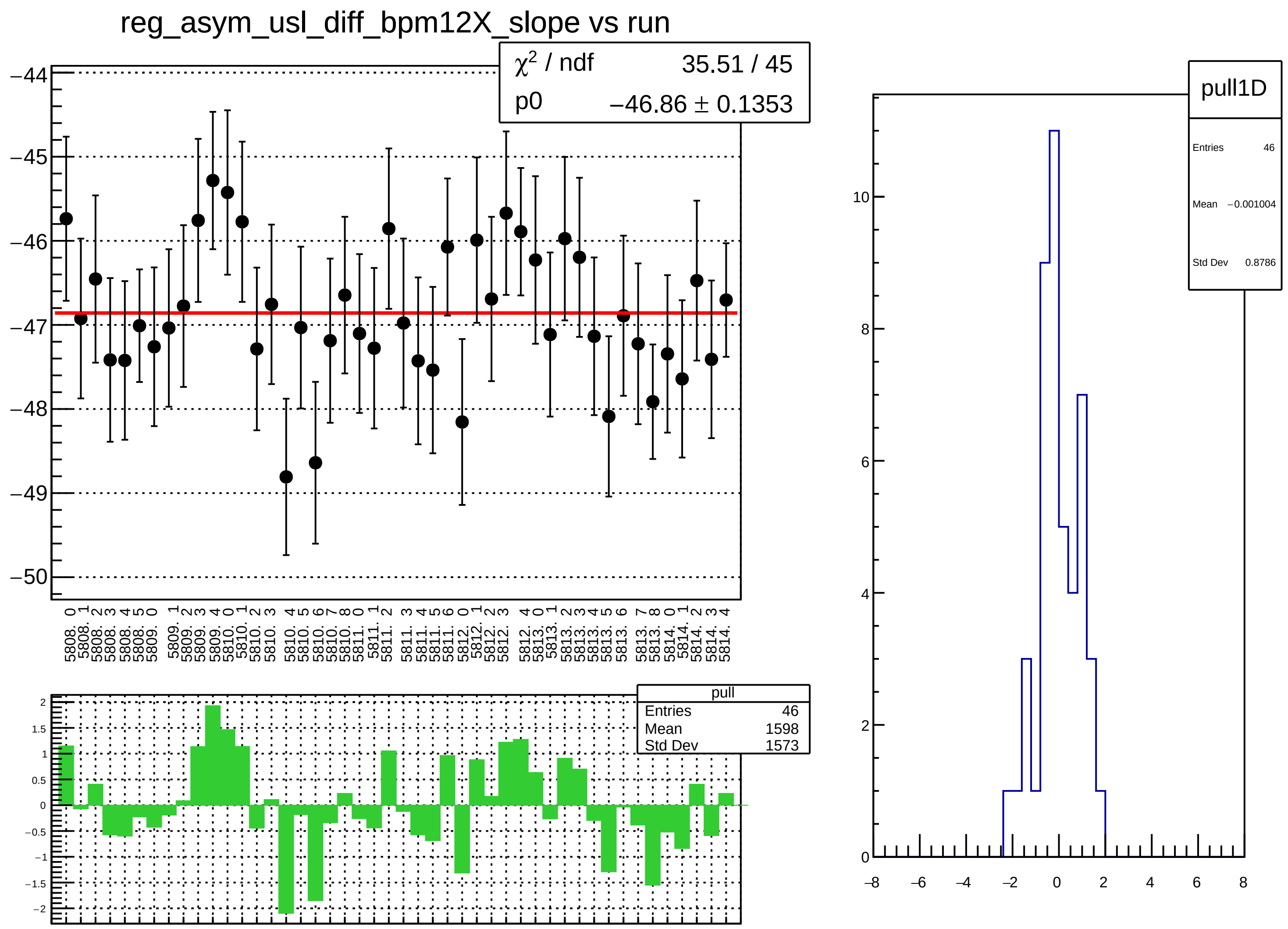
reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 43.74 / 45
p0 34.25 ± 2.069
pull
Entries 46
Mean 152.6
Std Dev 112
pull1D
Entries 46
Mean 0.01265
Std Dev 0.9751



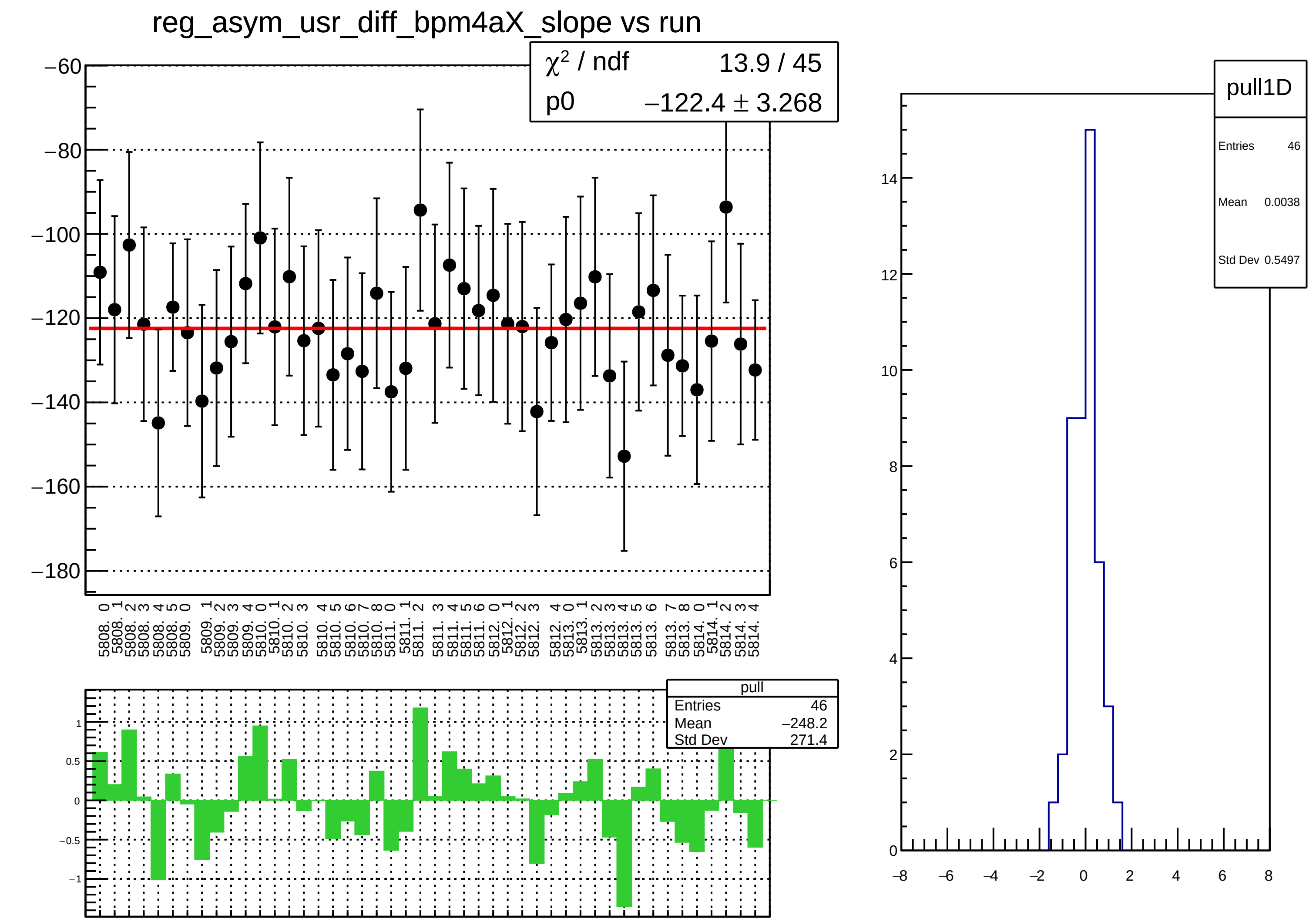
reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 20.93 / 45
p0 118.2 ± 2.977
pull
Entries 46
Mean −3466
Std Dev 3488
pull1D
Entries 46
Mean −0.0005968
Std Dev 0.6746



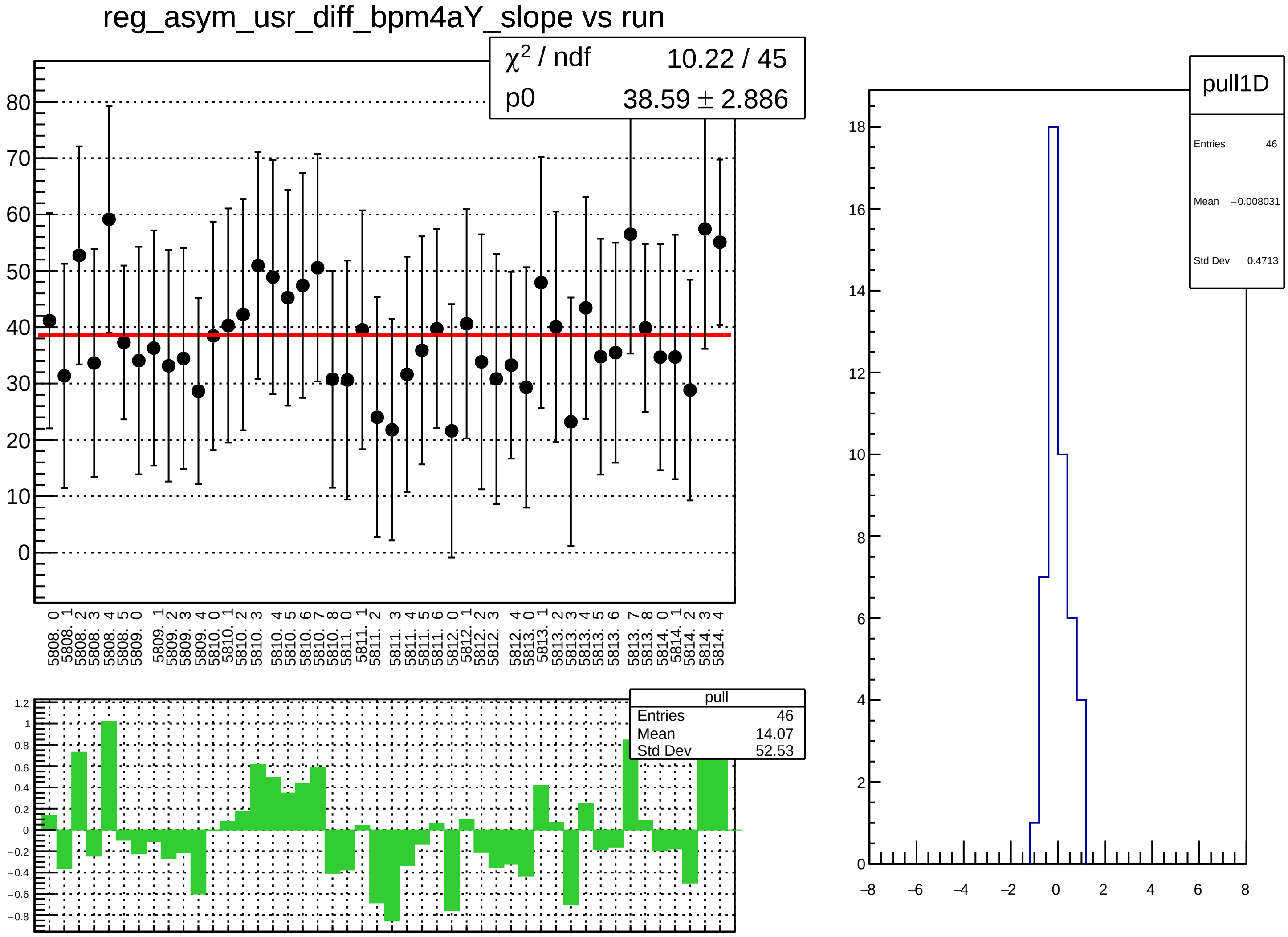
reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 47.77 / 45
p0 −21.53 ± 2.266
pull
Entries 46
Mean 184
Std Dev 147
pull1D
Entries 46
Mean −0.01306
Std Dev 1.019

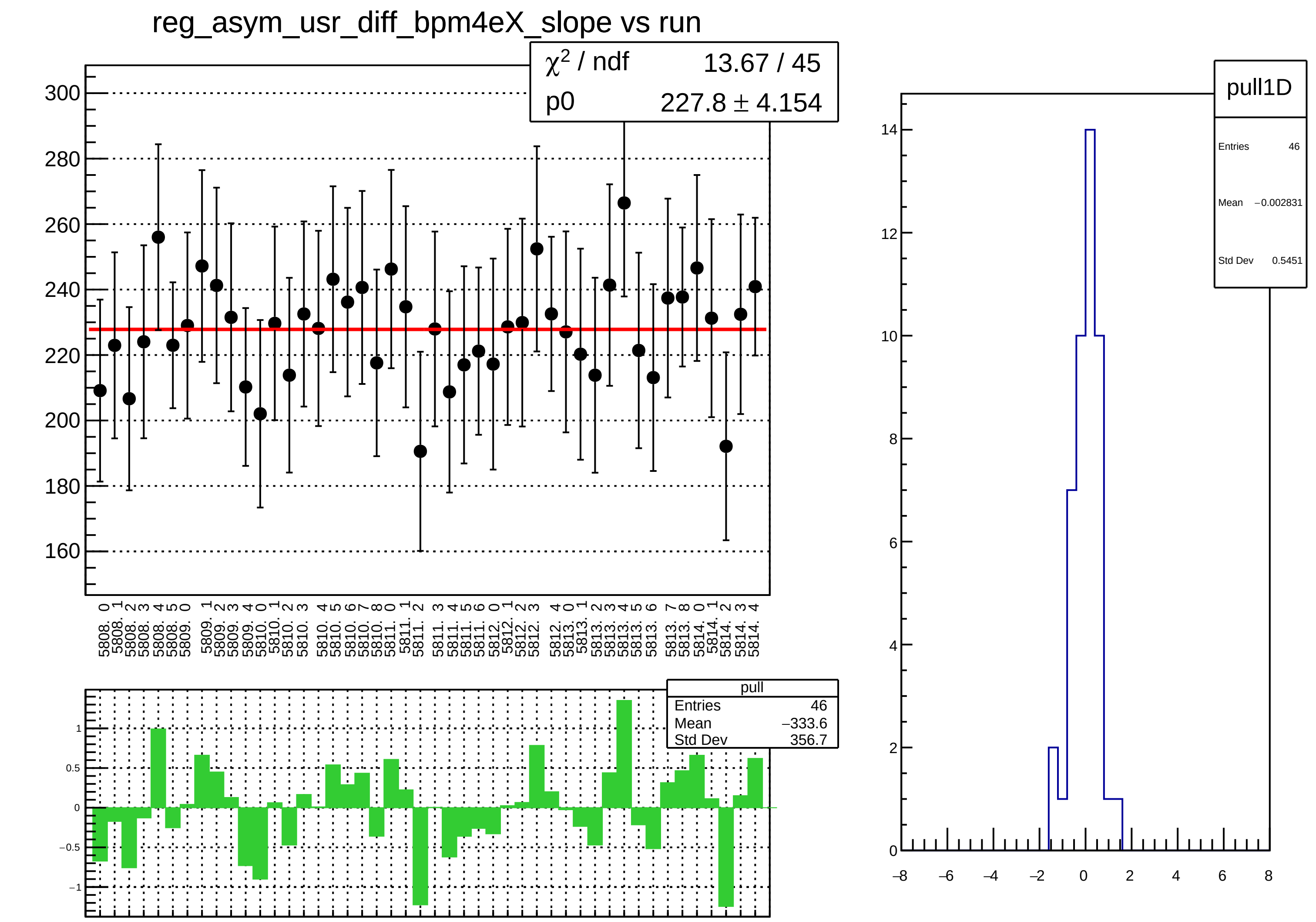


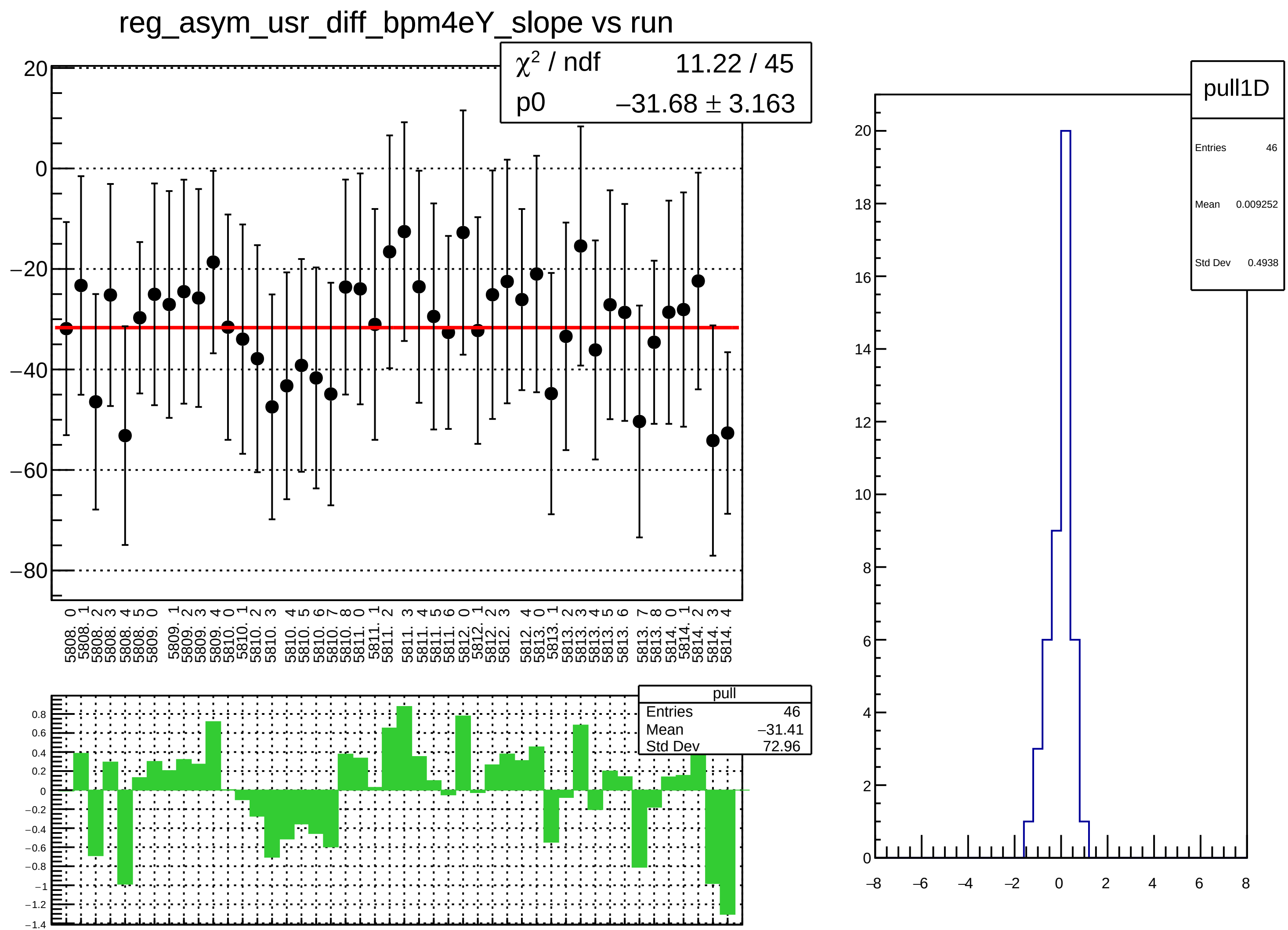
reg_asym_usl_diff_bpm12X_slope vs run
χ^2 / ndf 35.51 / 45
p0 −46.86 ± 0.1353
pull
Entries 46
Mean 1598
Std Dev 1573
pull1D
Entries 46
Mean −0.001004
Std Dev 0.8786



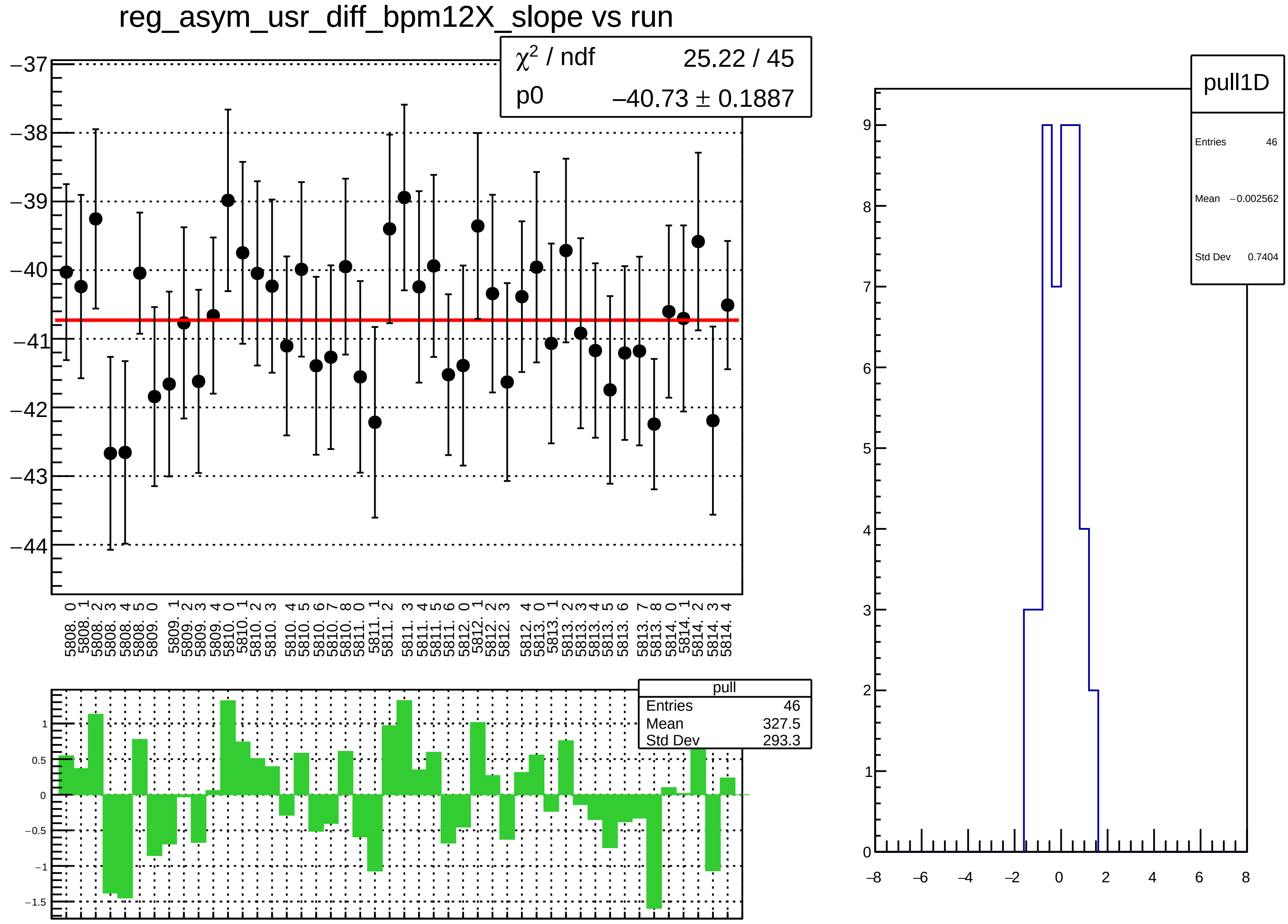
reg_asym_usr_diff_bpm4aX_slope vs run
χ2 / ndf 13.9 / 45
p0 −122.4 ± 3.268
pull
Entries 46
Mean −248.2
Std Dev 271.4
pull1D
Entries 46
Mean 0.0038
Std Dev 0.5497


reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 10.22 / 45
p0 38.59 ± 2.886
pull
Entries 46
Mean 14.07
Std Dev 52.53
pull1D
Entries 46
Mean −0.008031
Std Dev 0.4713

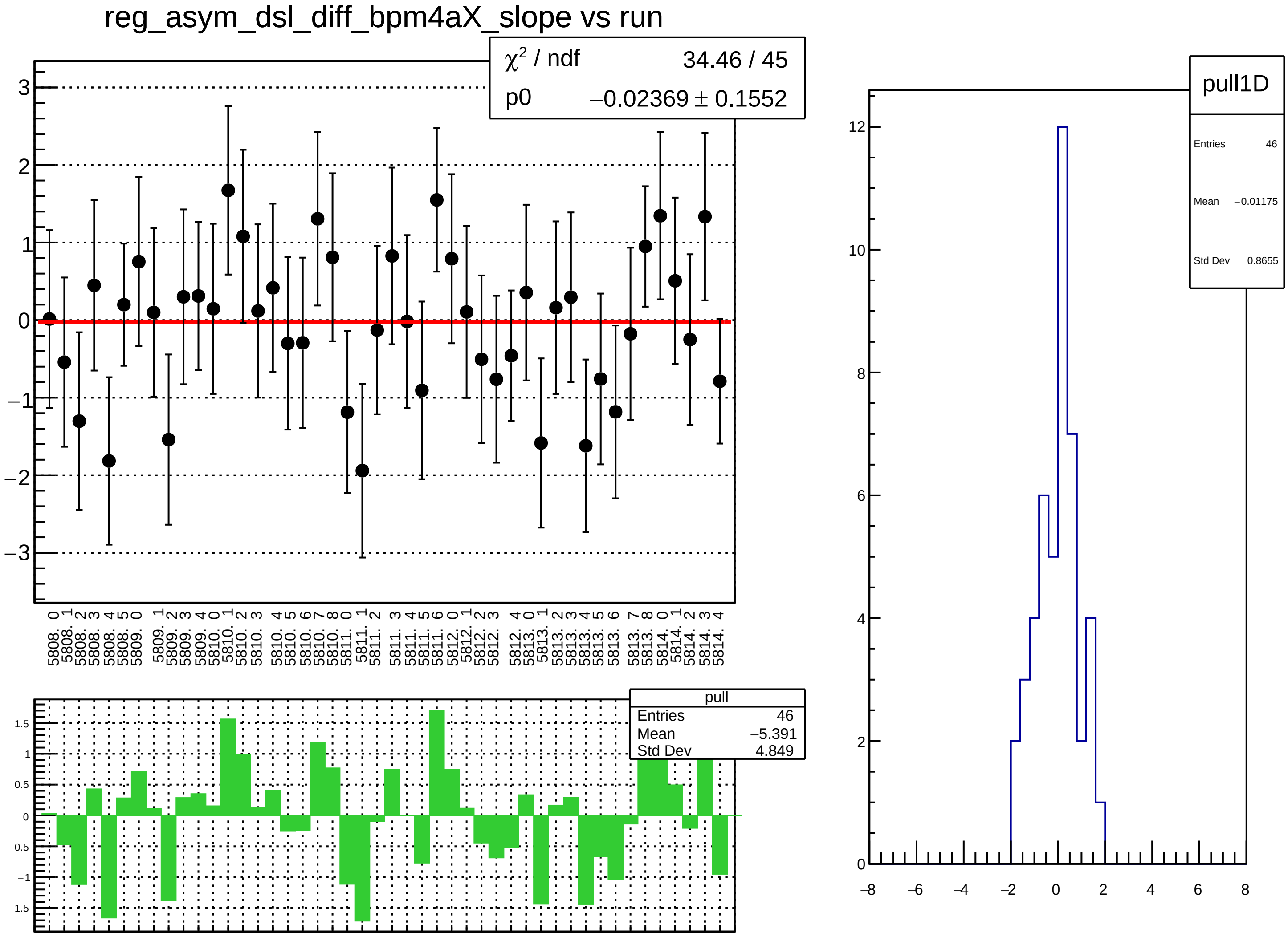

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 13.67 / 45
p0 227.8 ± 4.154
pull
Entries 46
Mean −333.6
Std Dev 356.7
pull1D
Entries 46
Mean −0.002831
Std Dev 0.5451



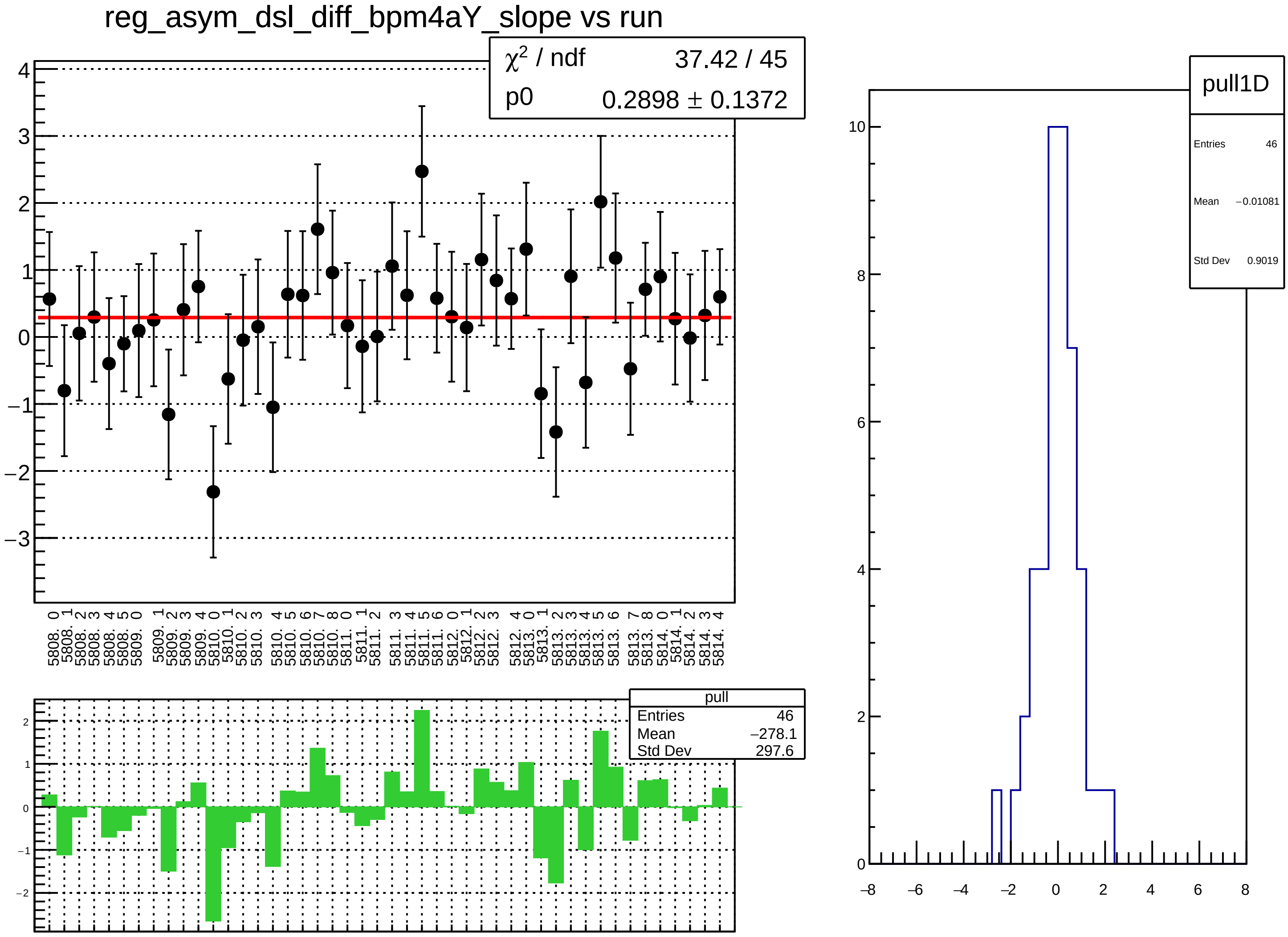
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 11.22 / 45
p0 −31.68 ± 3.163
pull
Entries 46
Mean −31.41
Std Dev 72.96
pull1D
Entries 46
Mean 0.009252
Std Dev 0.4938



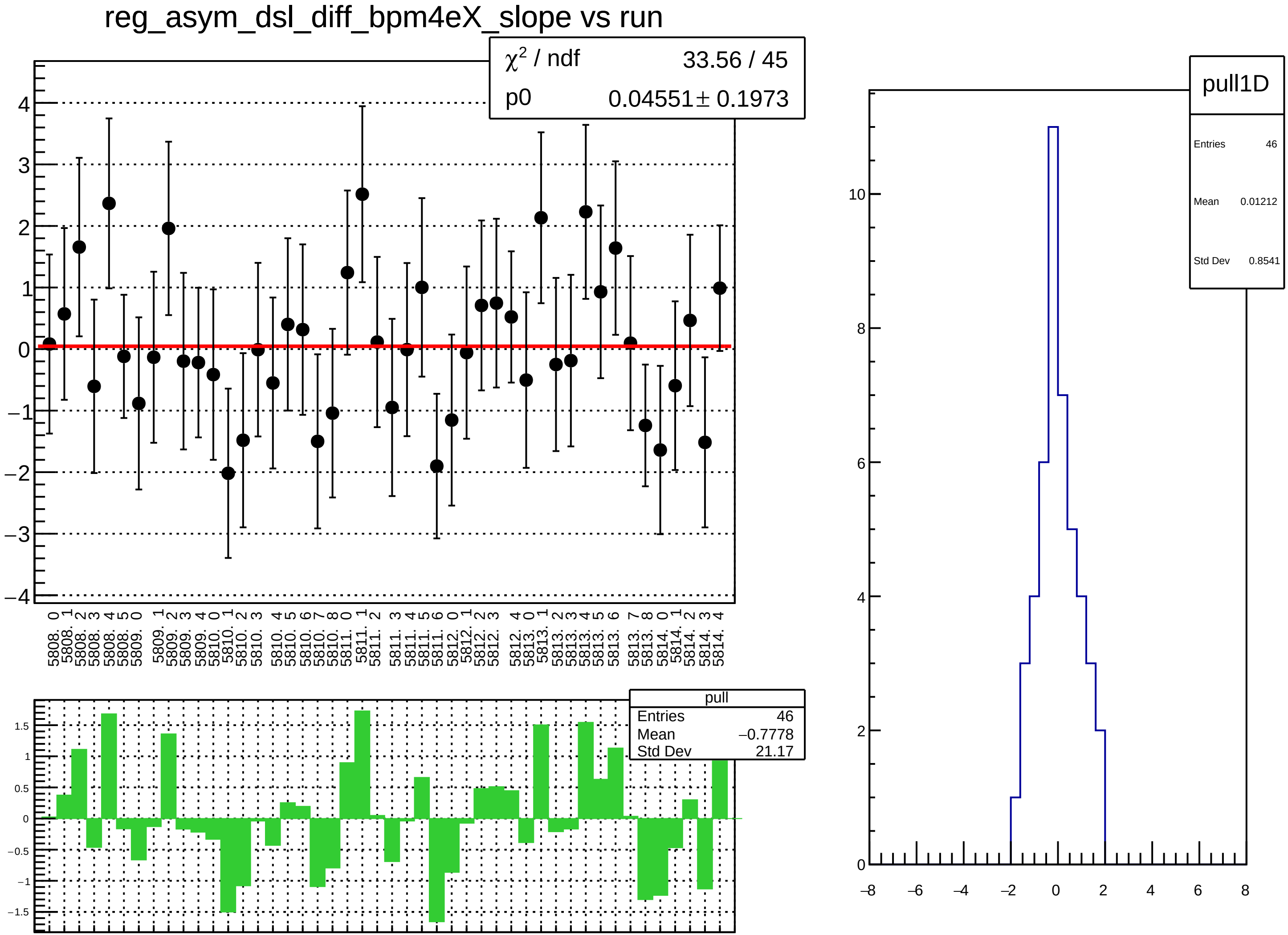
reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 25.22 / 45
p0 −40.73 ± 0.1887
pull
Entries 46
Mean 327.5
Std Dev 293.3
pull1D
Entries 46
Mean −0.002562
Std Dev 0.7404



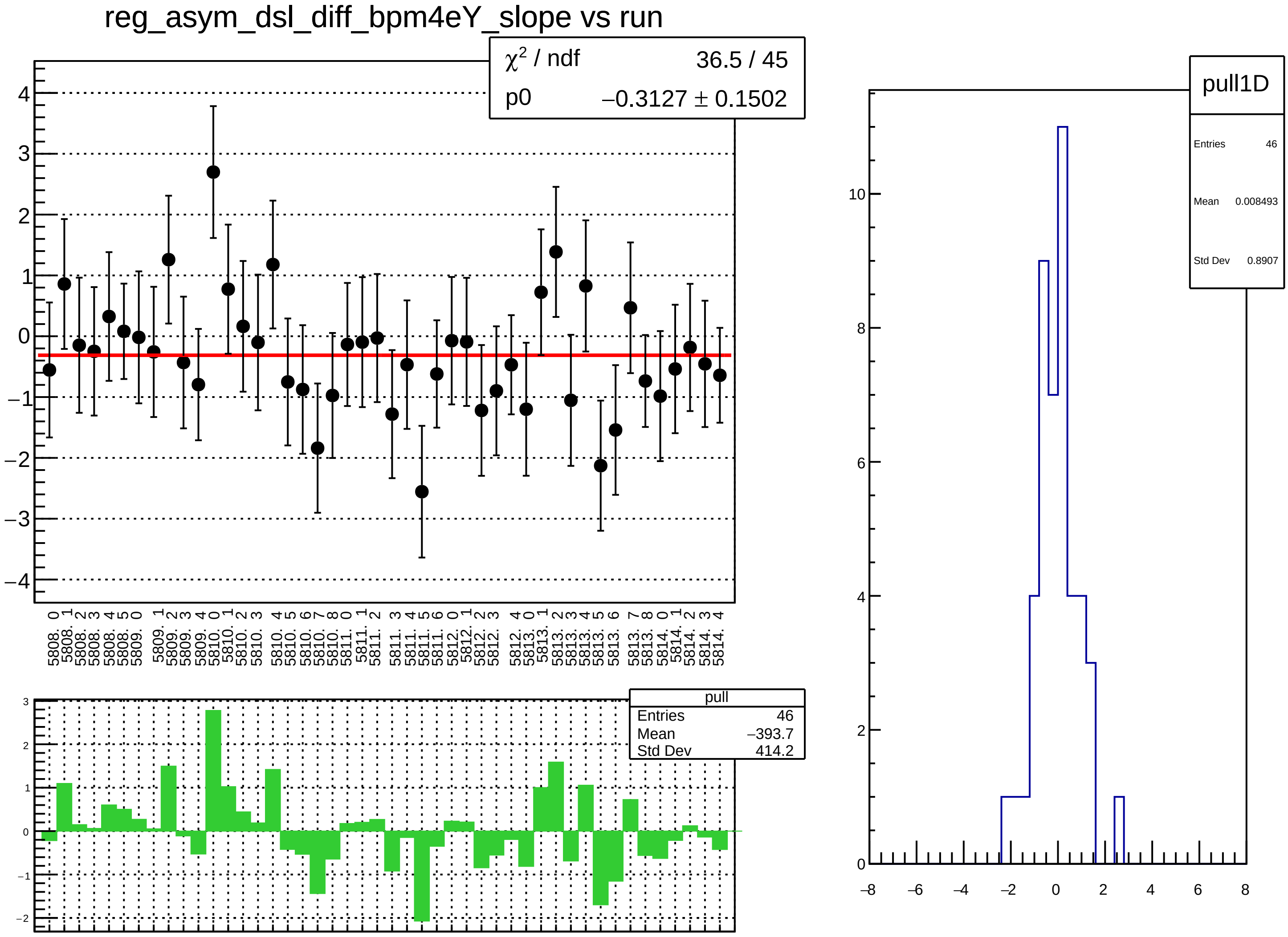
reg_asym_dsl_diff_bpm4aX_slope vs run
χ^2 / ndf 34.46 / 45
p0 −0.02369 ± 0.1552
pull
Entries 46
Mean −5.391
Std Dev 4.849
pull1D
Entries 46
Mean −0.01175
Std Dev 0.8655



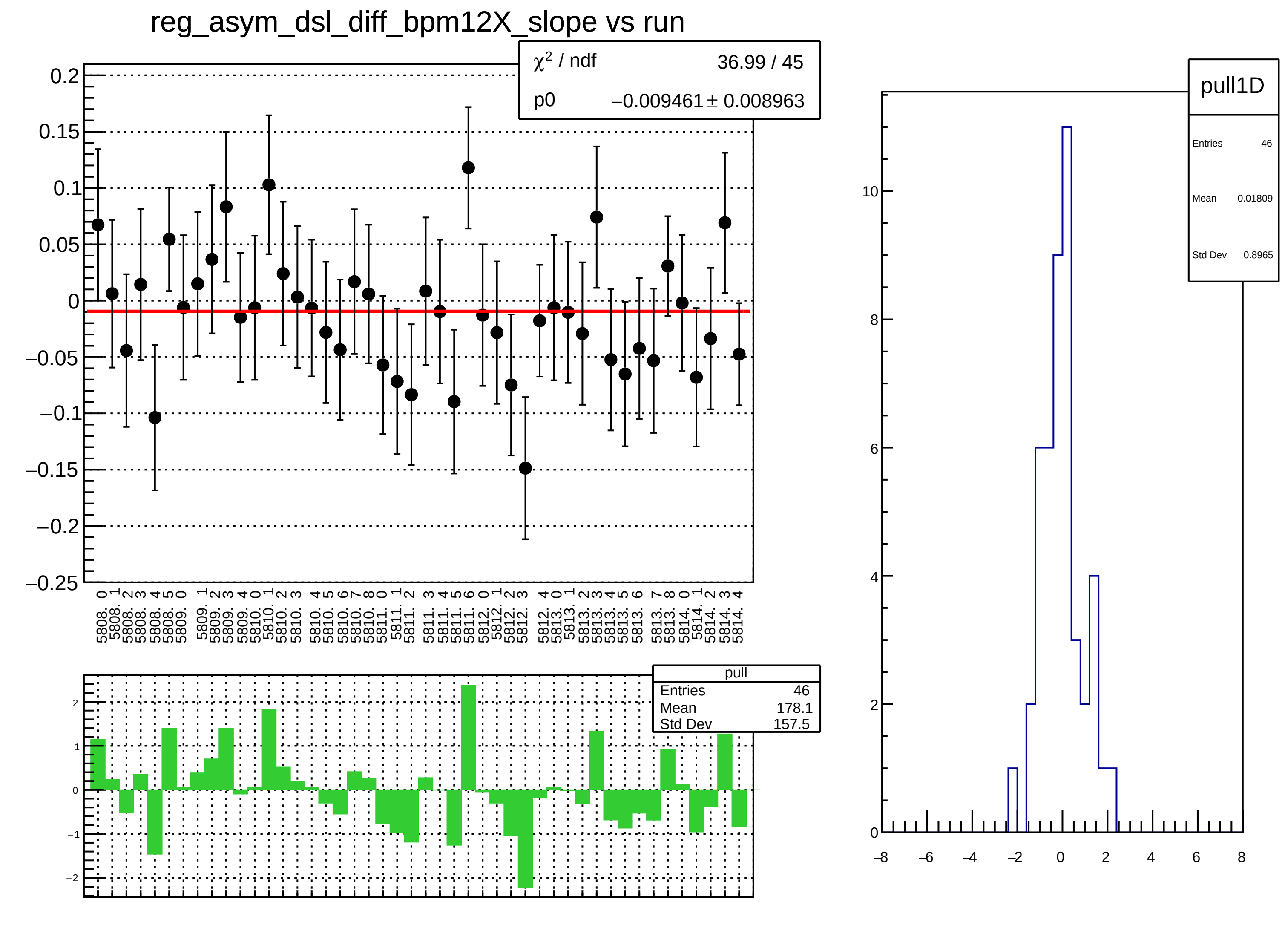
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 37.42 / 45
p0 0.2898 ± 0.1372
pull
Entries 46
Mean −278.1
Std Dev 297.6
pull1D
Entries 46
Mean −0.01081
Std Dev 0.9019



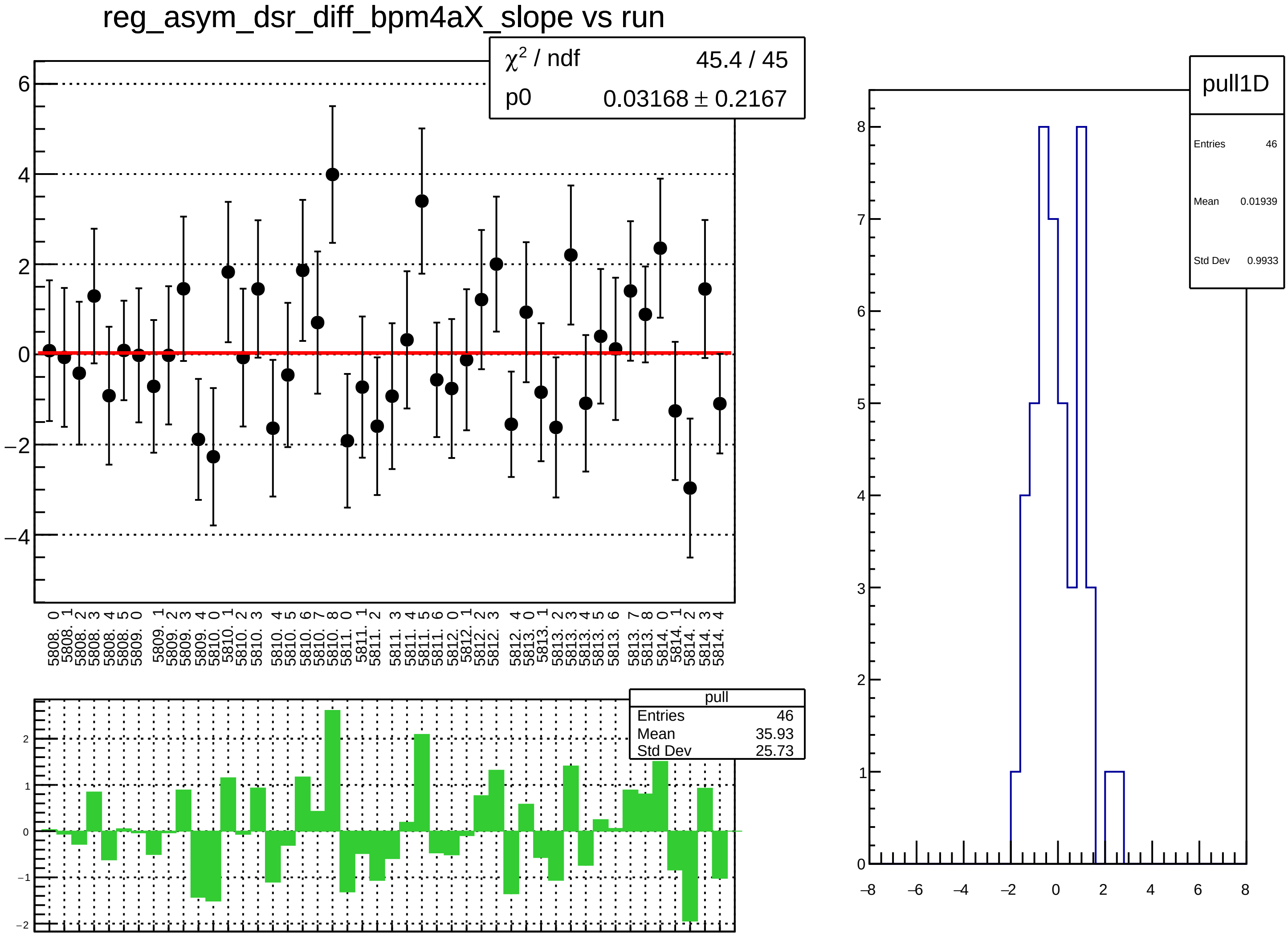
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 33.56 / 45
p0 0.04551 ± 0.1973
pull
Entries 46
Mean −0.7778
Std Dev 21.17
pull1D
Entries 46
Mean 0.01212
Std Dev 0.8541



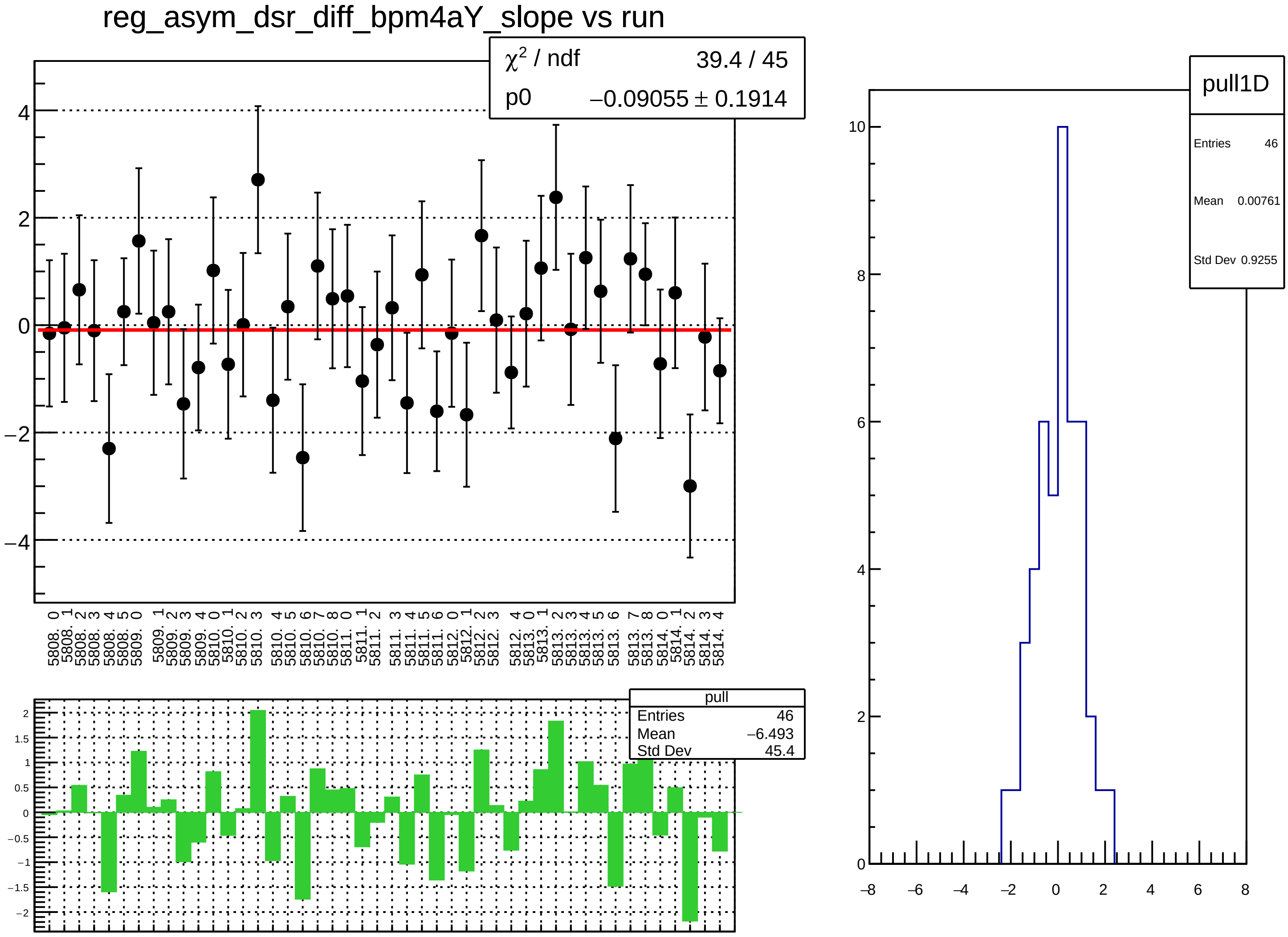
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 36.5 / 45
p0 −0.3127 ± 0.1502
pull
Entries 46
Mean −393.7
Std Dev 414.2
pull1D
Entries 46
Mean 0.008493
Std Dev 0.8907



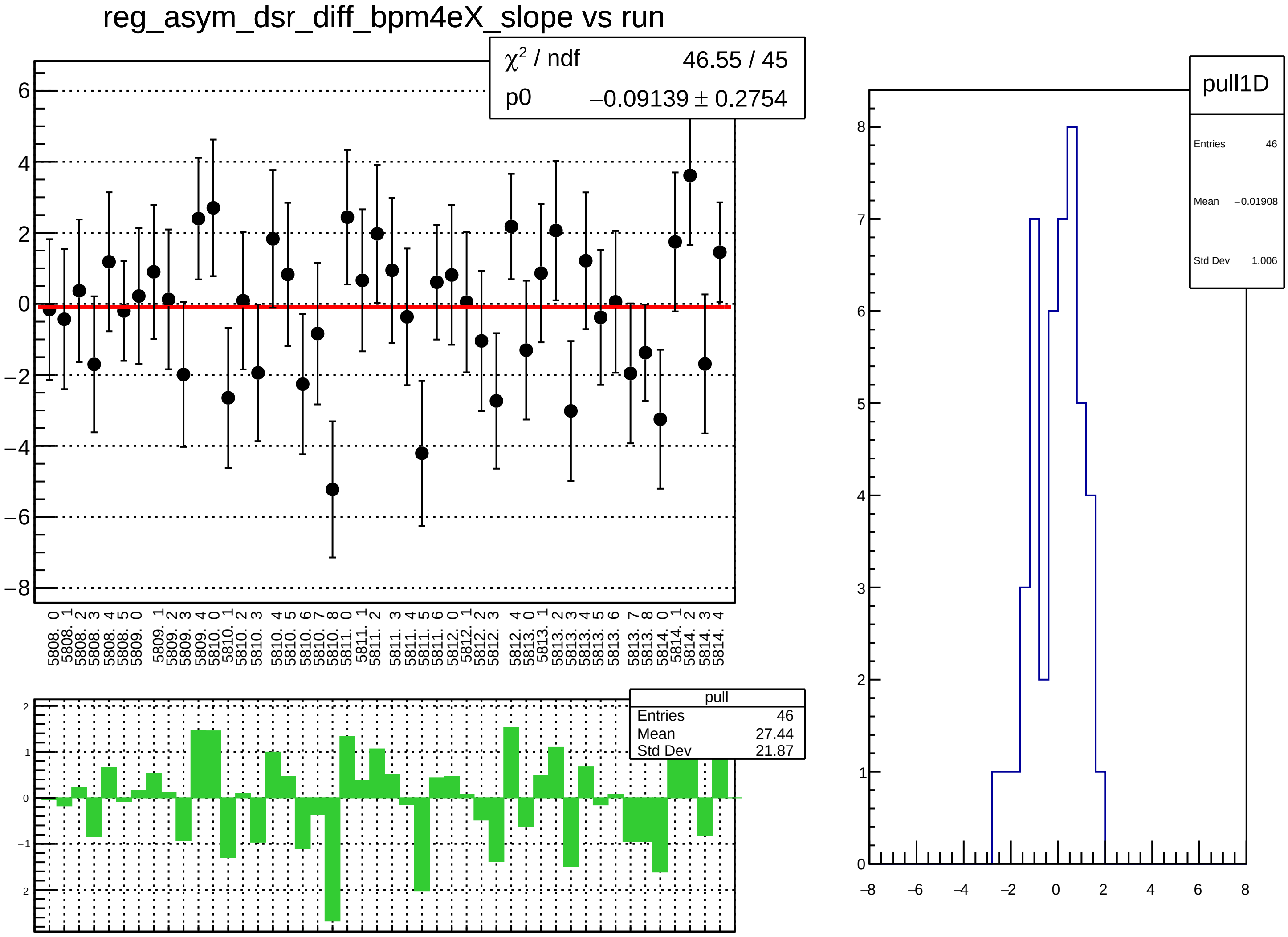
reg_asym_dsl_diff_bpm12X_slope vs run
χ2 / ndf 36.99 / 45
p0 −0.009461 ± 0.008963
pull
Entries 46
Mean 178.1
Std Dev 157.5
pull1D
Entries 46
Mean −0.01809
Std Dev 0.8965



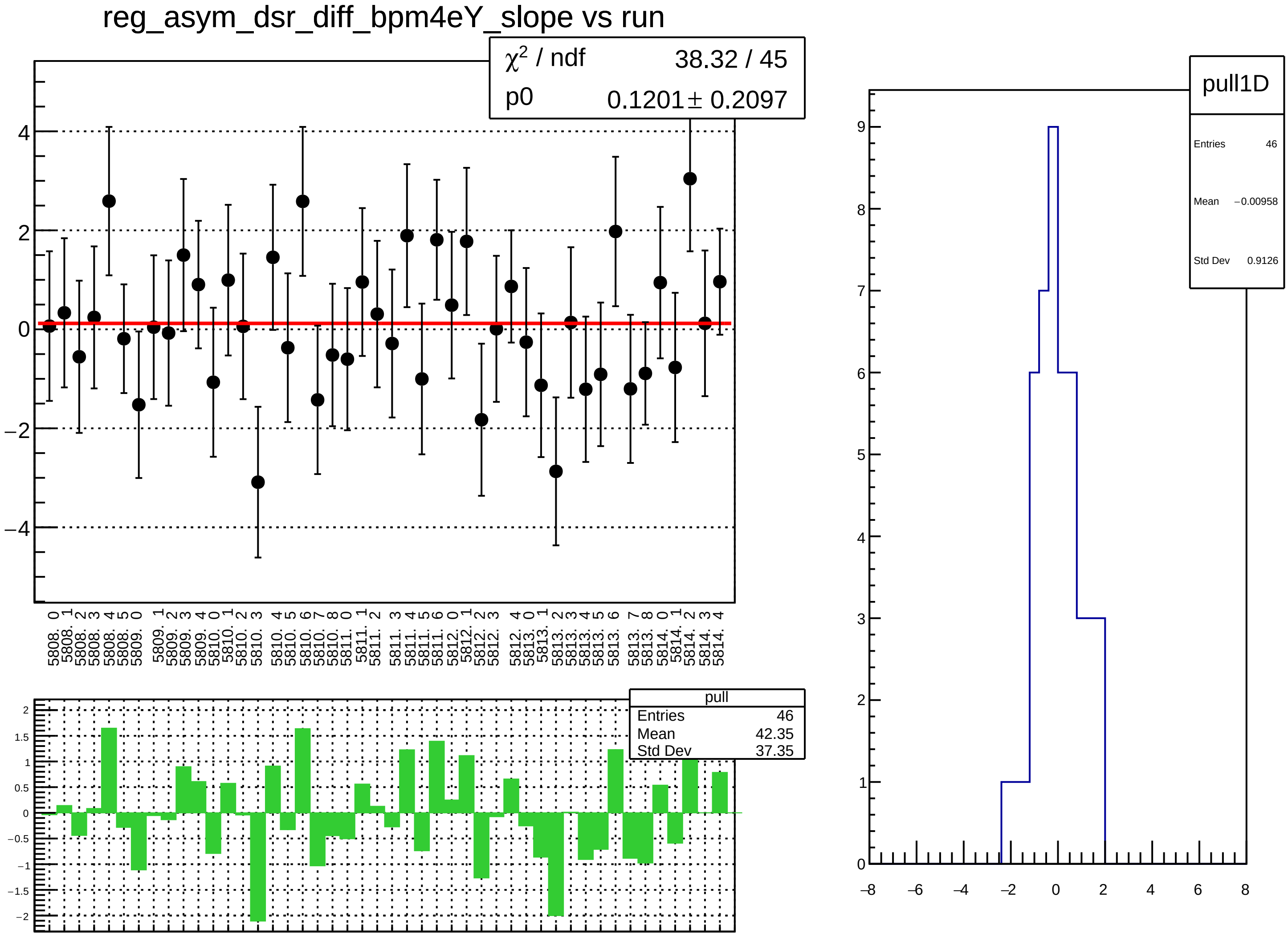
reg_asym_dsr_diff_bpm4aX_slope vs run
χ^2 / ndf 45.4 / 45
p0 0.03168 ± 0.2167
pull
Entries 46
Mean 35.93
Std Dev 25.73
pull1D
Entries 46
Mean 0.01939
Std Dev 0.9933



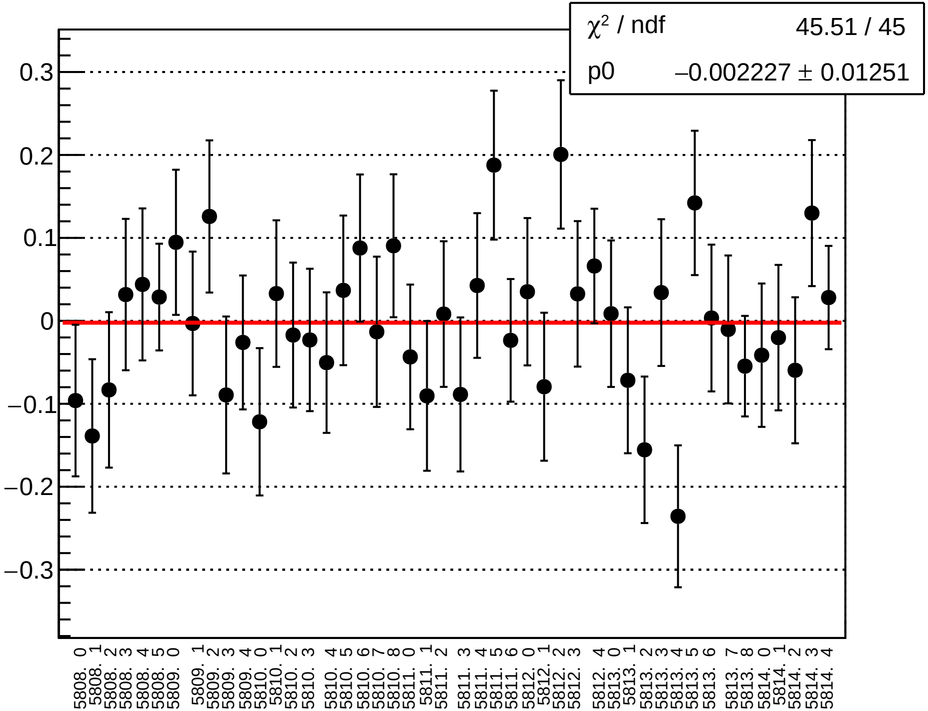
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 39.4 / 45
p0 −0.09055 ± 0.1914
pull
Entries 46
Mean −6.493
Std Dev 45.4
pull1D
Entries 46
Mean 0.00761
Std Dev 0.9255

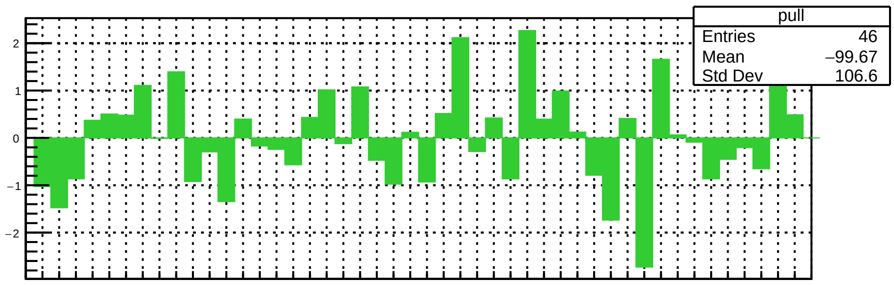


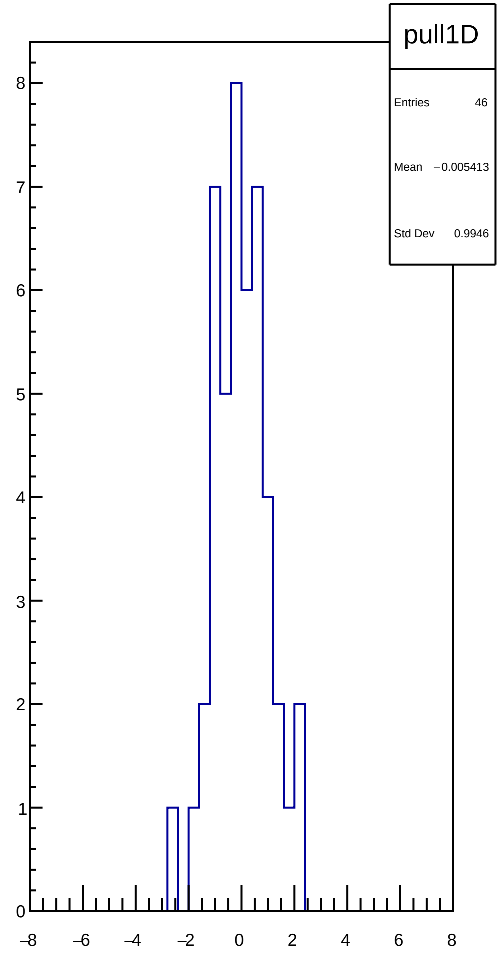
reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 46.55 / 45
p0 −0.09139 ± 0.2754
pull
Entries 46
Mean 27.44
Std Dev 21.87
pull1D
Entries 46
Mean −0.01908
Std Dev 1.006

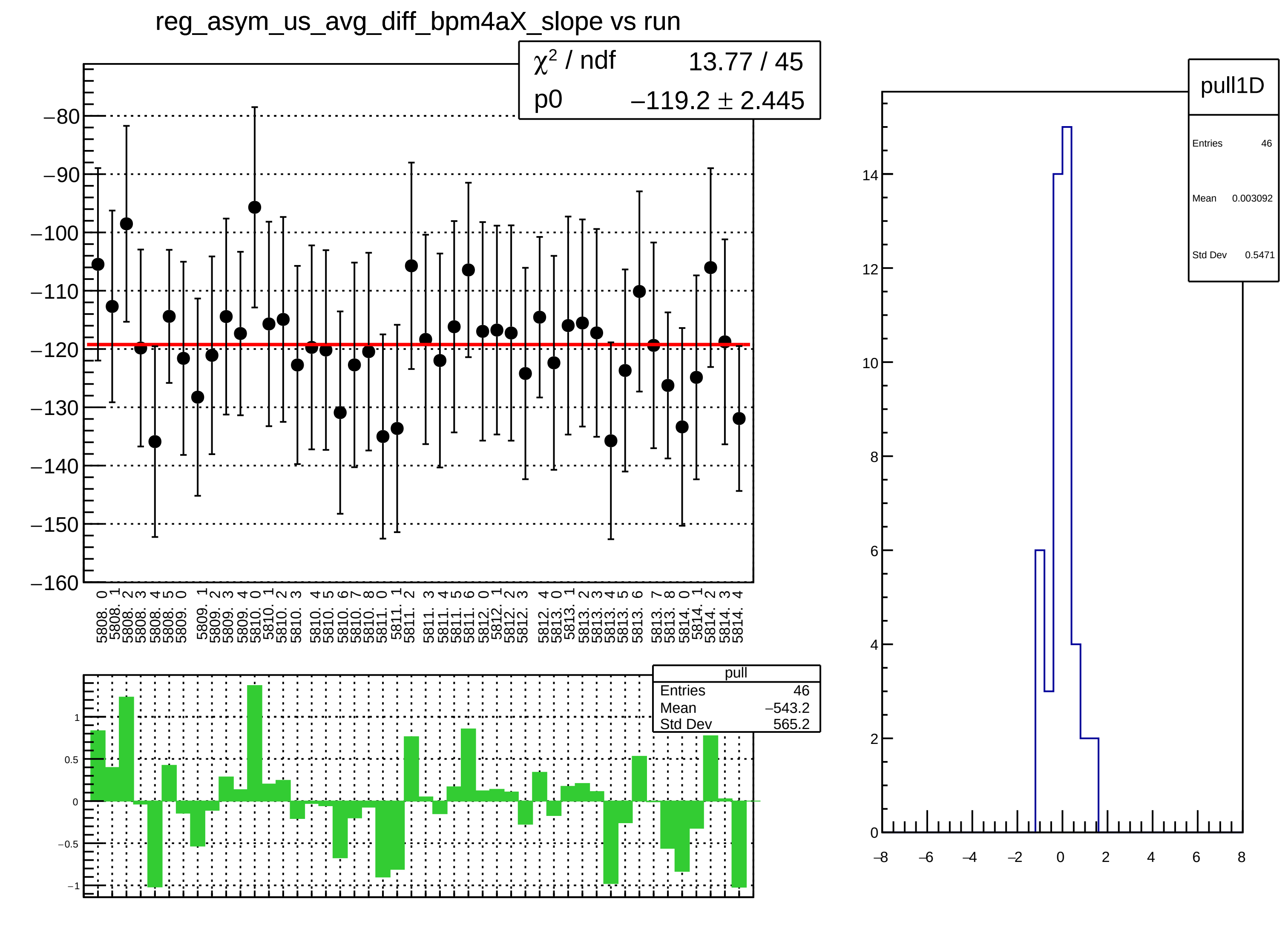

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 38.32 / 45
p0 0.1201 ± 0.2097
pull
Entries 46
Mean 42.35
Std Dev 37.35
pull1D
Entries 46
Mean −0.00958
Std Dev 0.9126

reg_asym_dsr_diff_bpm12X_slope vs run

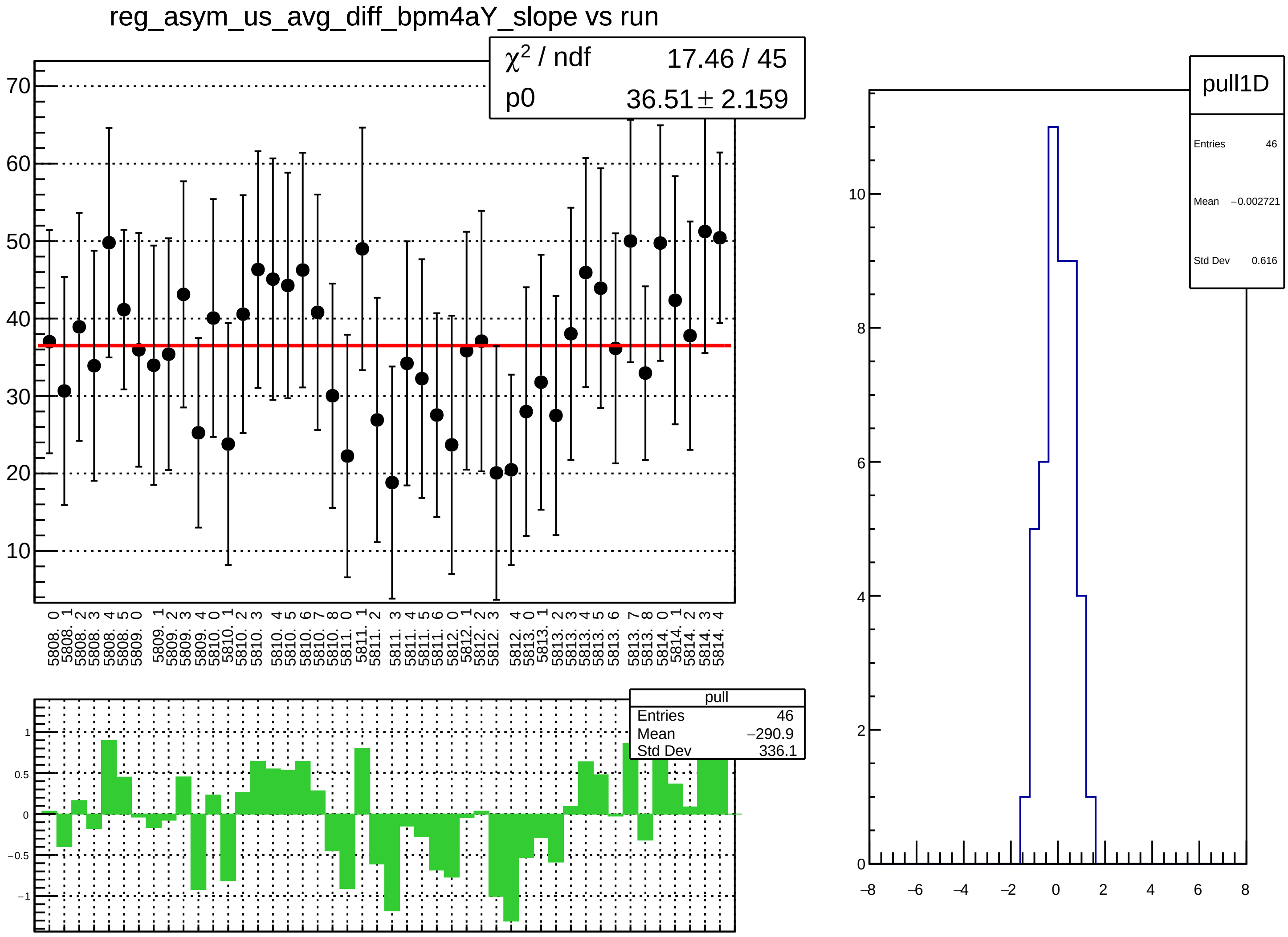




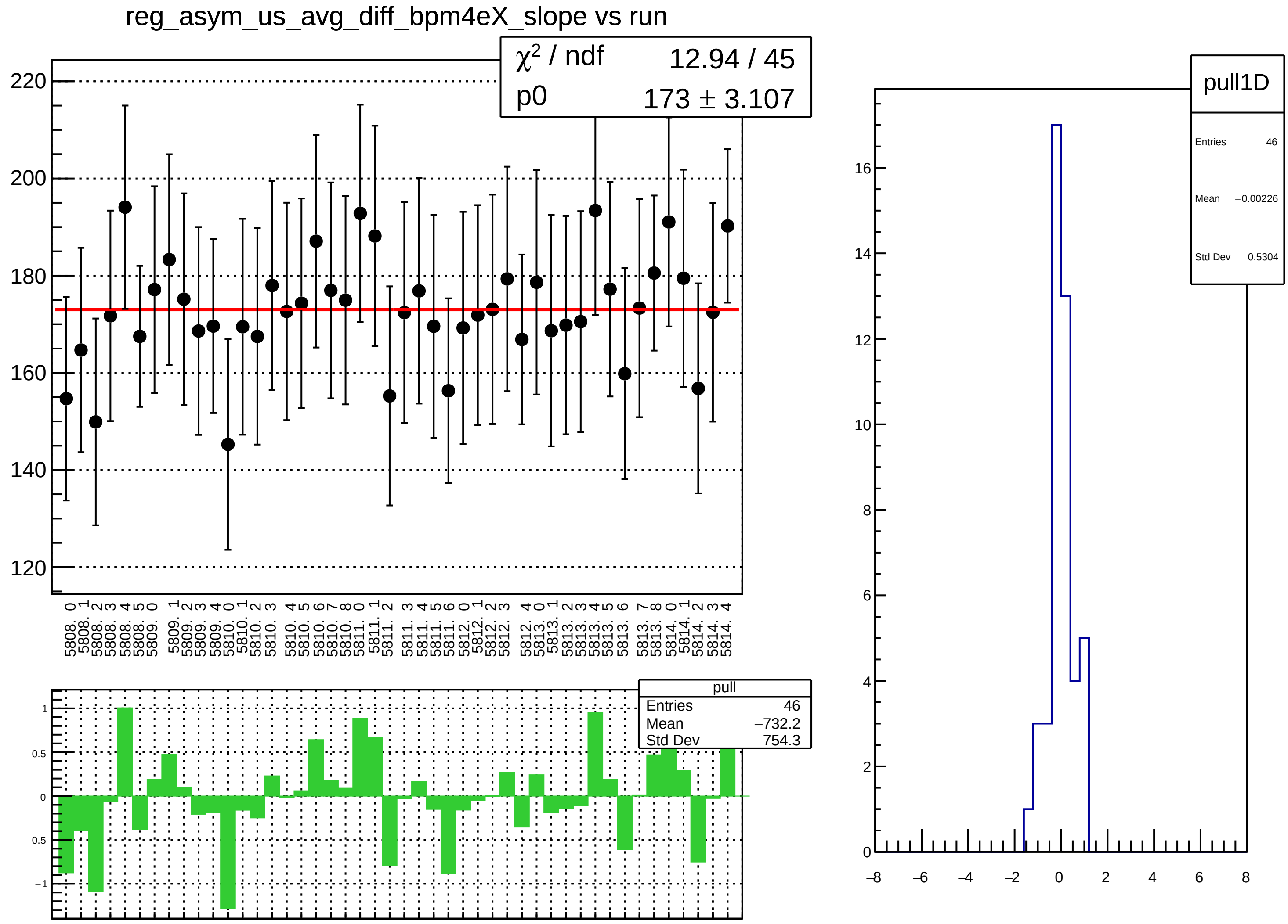


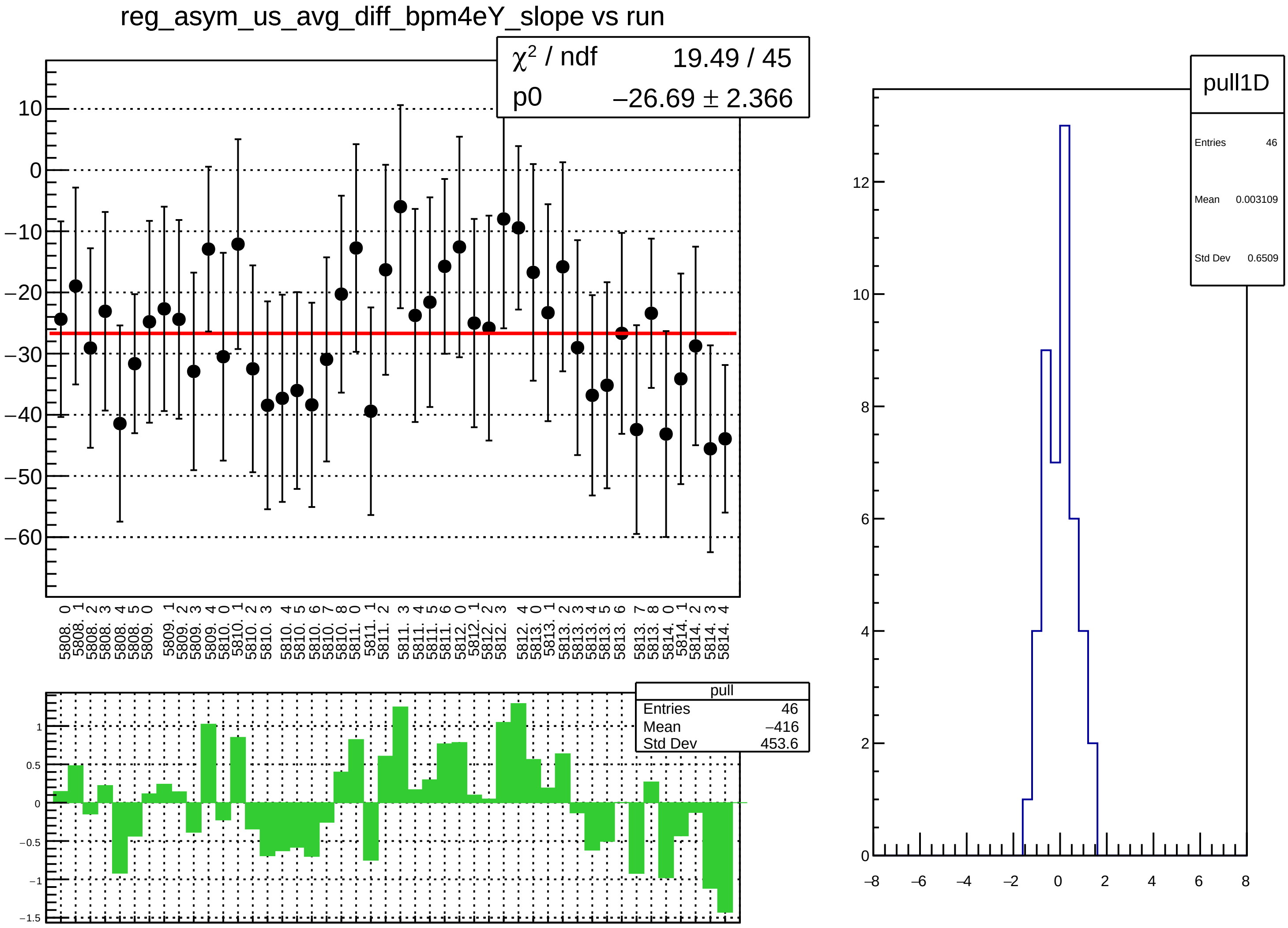


reg_asym_us_avg_diff_bpm4aX_slope vs run
χ2 / ndf 13.77 / 45
p0 −119.2 ± 2.445
pull
Entries 46
Mean −543.2
Std Dev 565.2
pull1D
Entries 46
Mean 0.003092
Std Dev 0.5471

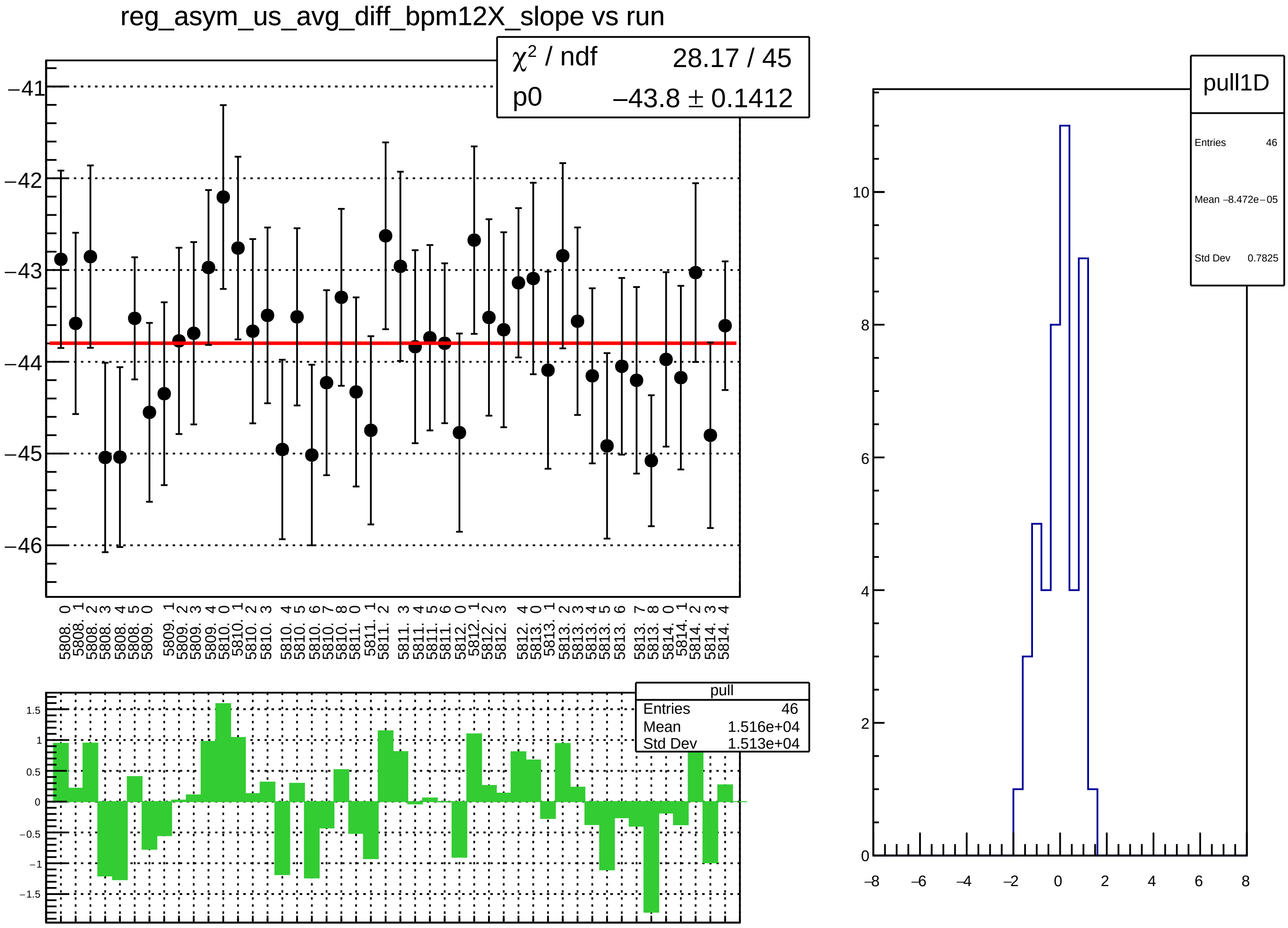


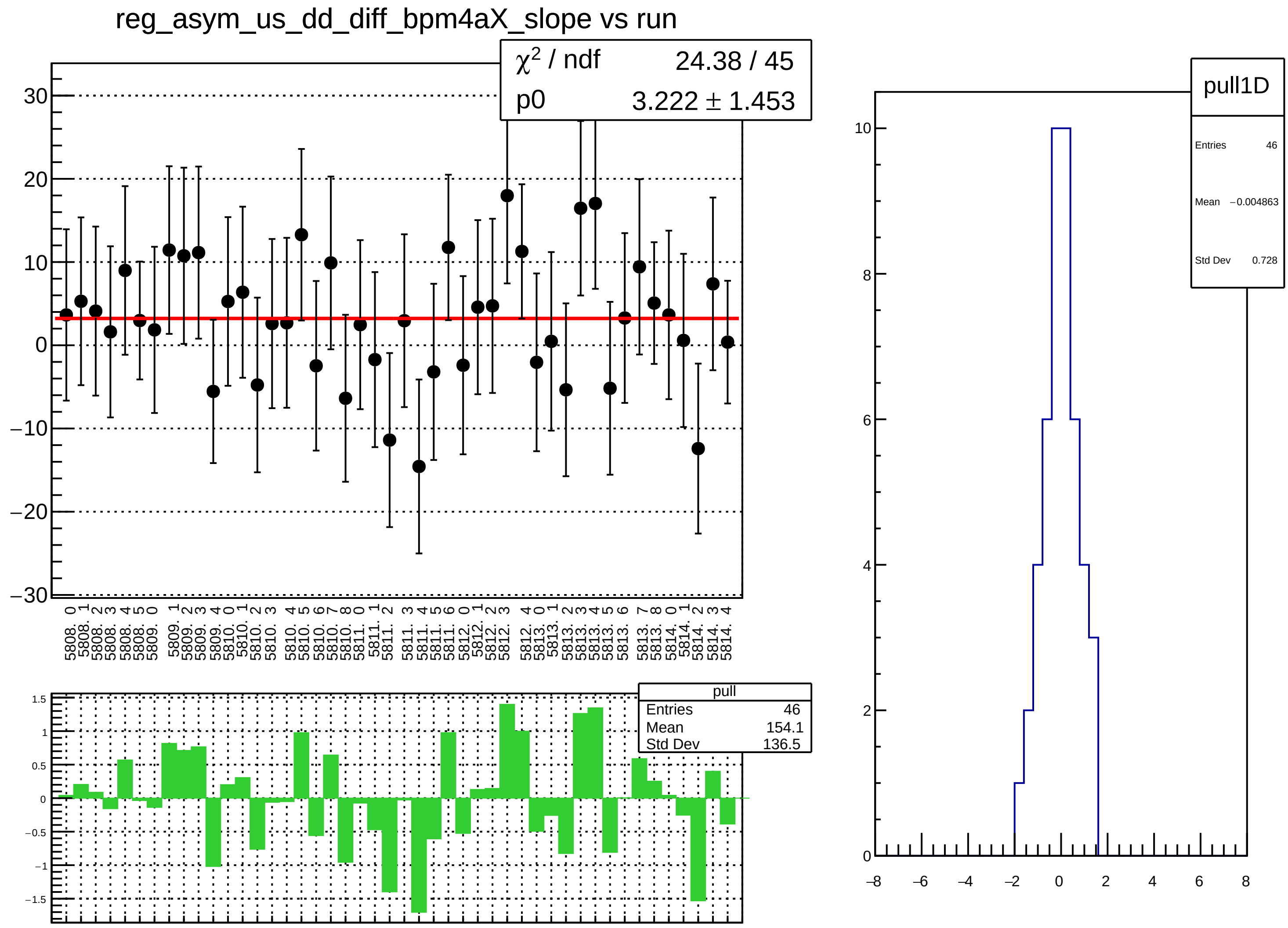
reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 17.46 / 45
p0 36.51 ± 2.159
pull
Entries 46
Mean −290.9
Std Dev 336.1
pull1D
Entries 46
Mean −0.002721
Std Dev 0.616


reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.94 / 45
p0 173 ± 3.107
pull
Entries 46
Mean −732.2
Std Dev 754.3
pull1D
Entries 46
Mean −0.00226
Std Dev 0.5304

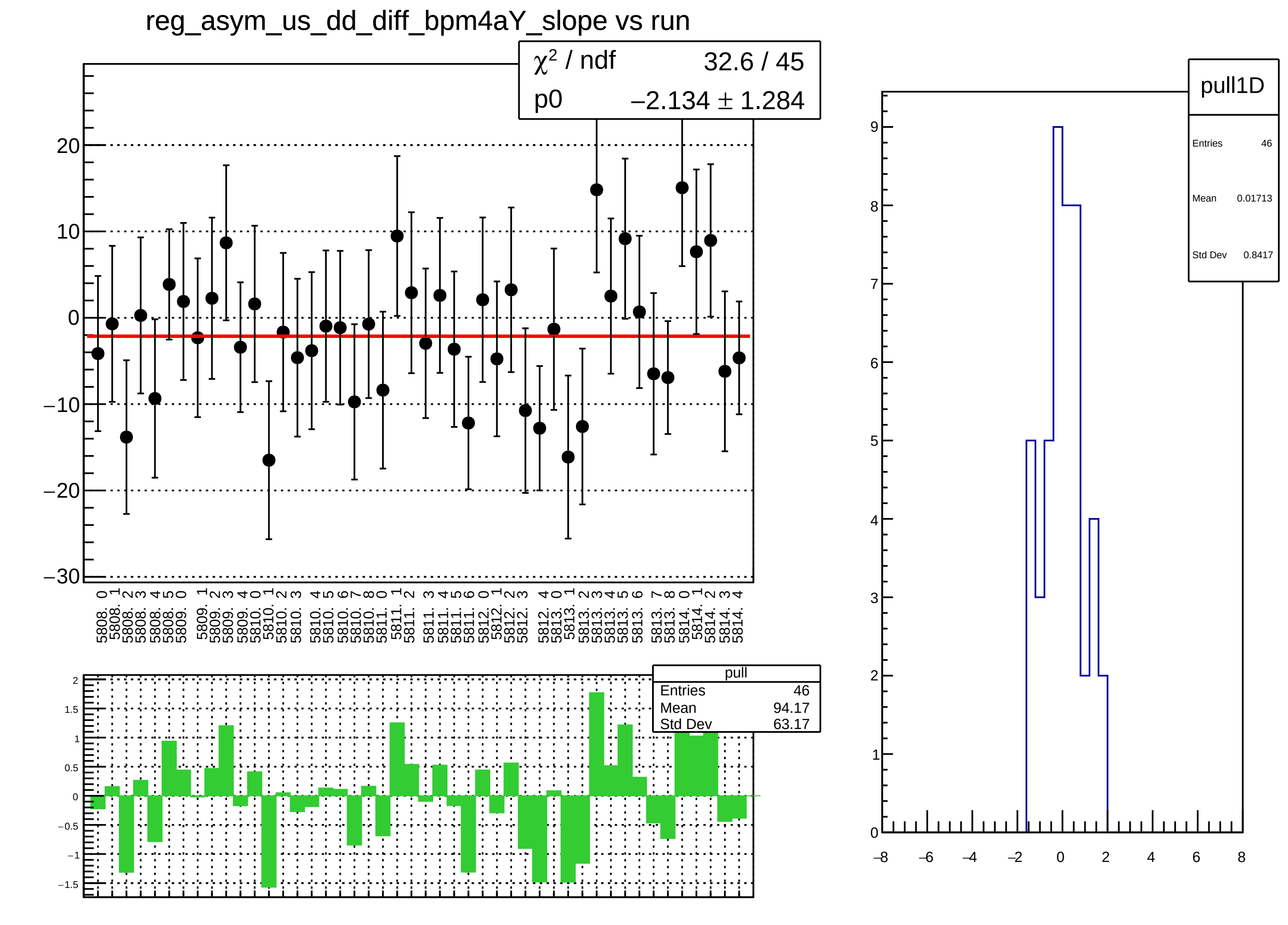


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.49 / 45
p0 −26.69 ± 2.366
pull
Entries 46
Mean −416
Std Dev 453.6
pull1D
Entries 46
Mean 0.003109
Std Dev 0.6509

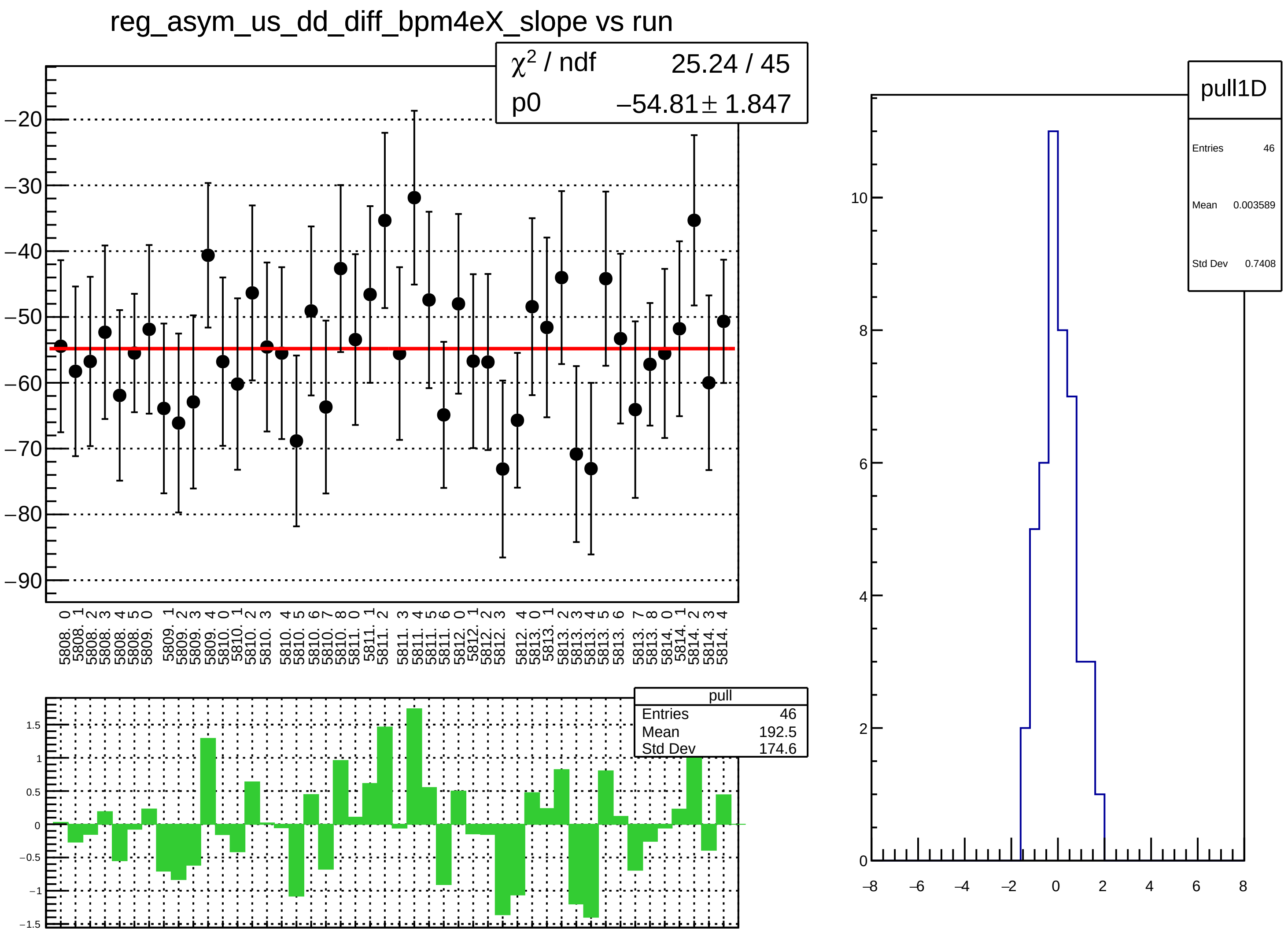

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 28.17 / 45
p0 −43.8 ± 0.1412
pull
Entries 46
Mean 1.516e+04
Std Dev 1.513e+04
pull1D
Entries 46
Mean −8.472e−05
Std Dev 0.7825



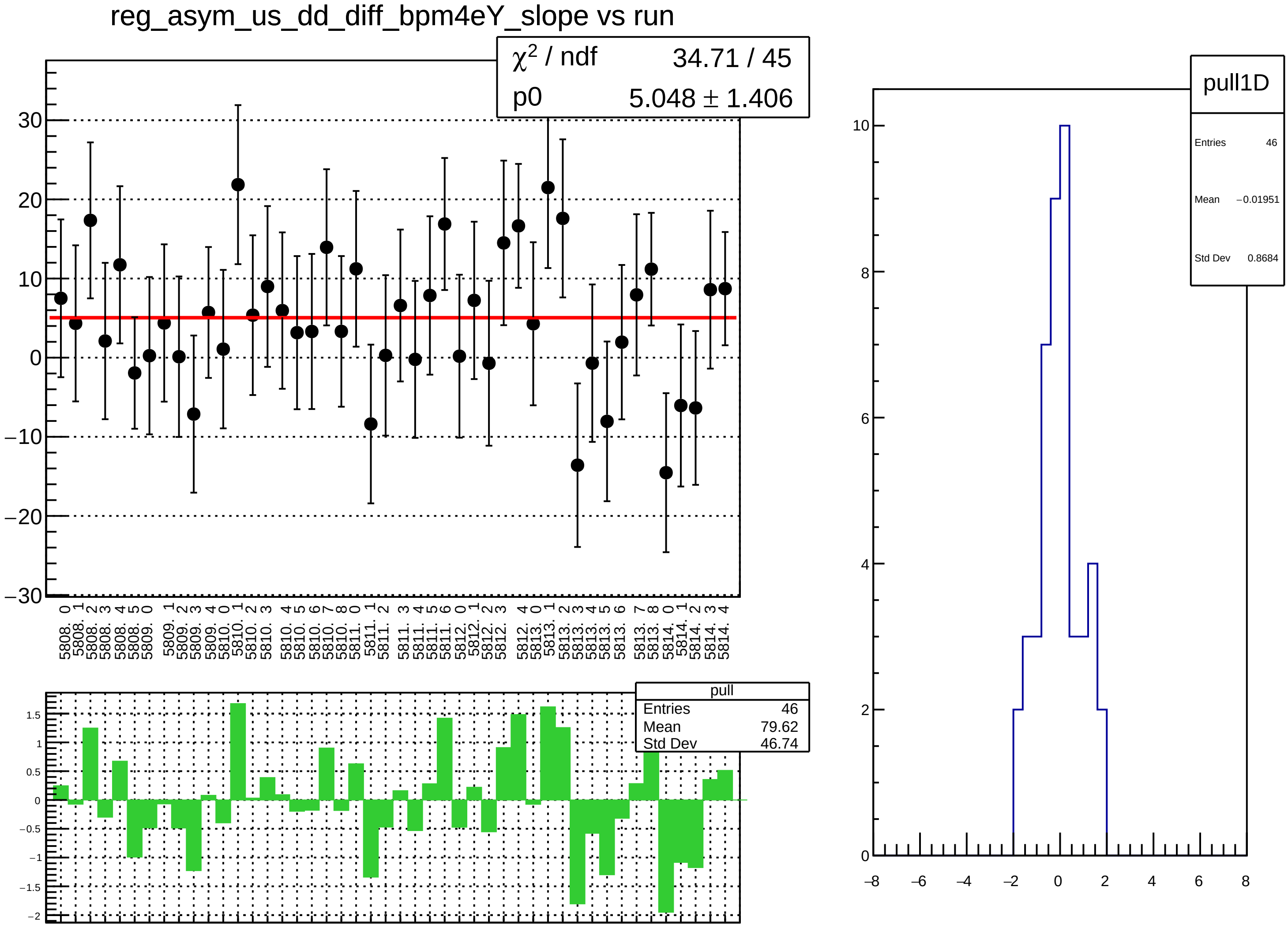
reg_asym_us_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 24.38 / 45
p0 3.222 ± 1.453
pull
Entries 46
Mean 154.1
Std Dev 136.5
pull1D
Entries 46
Mean −0.004863
Std Dev 0.728



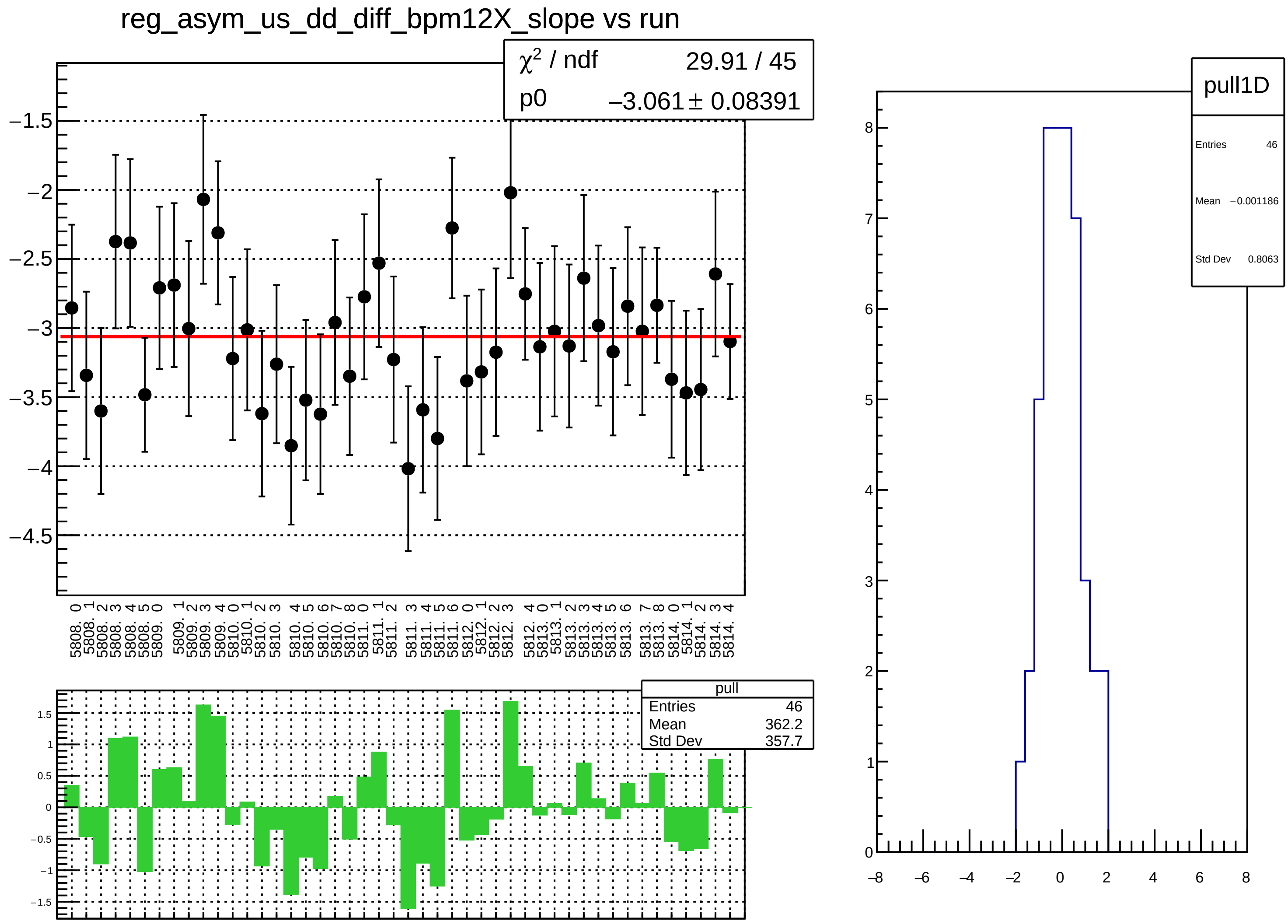
reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 32.6 / 45
p0 −2.134 ± 1.284
pull
Entries 46
Mean 94.17
Std Dev 63.17
pull1D
Entries 46
Mean 0.01713
Std Dev 0.8417



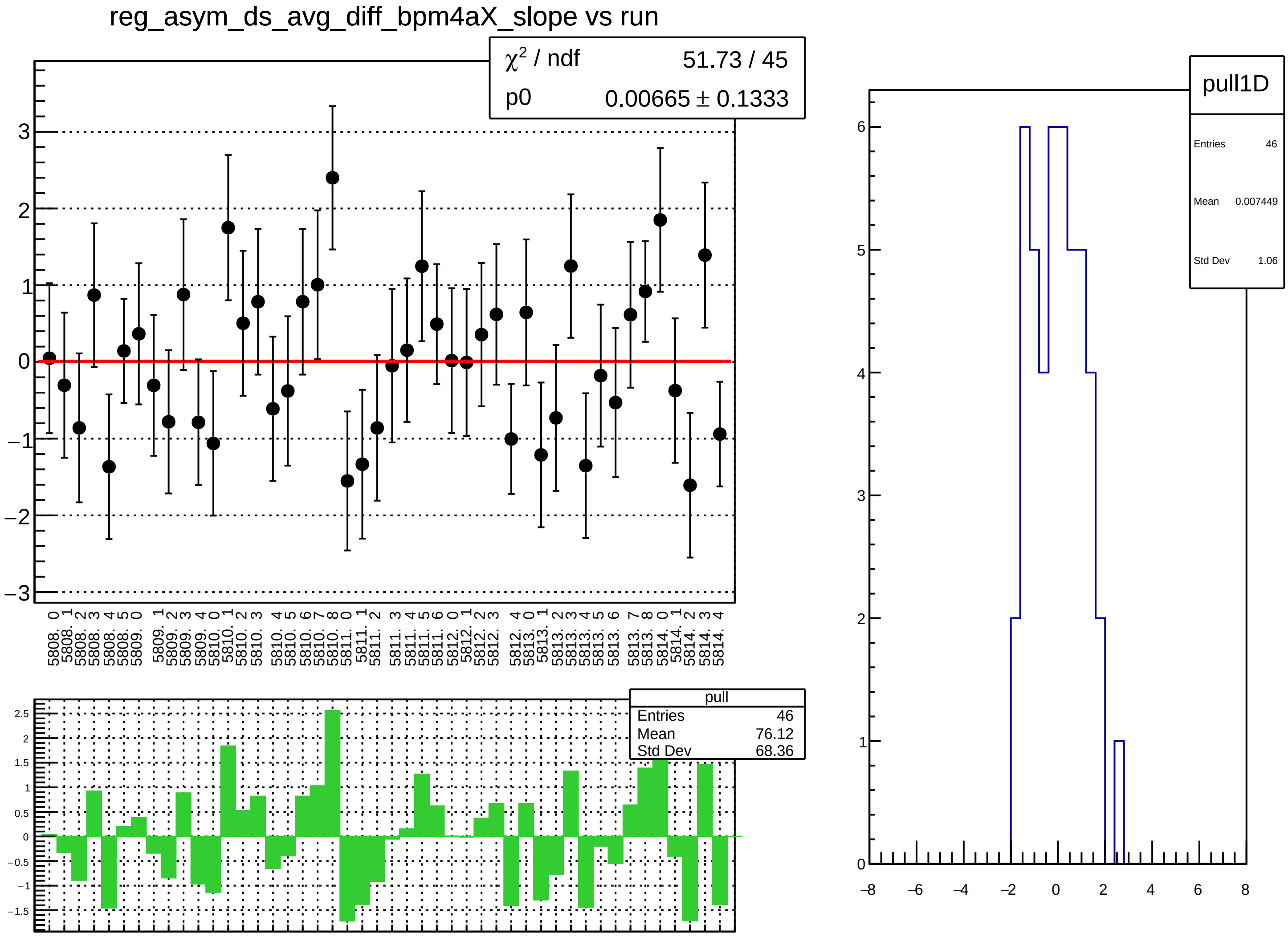
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ2 / ndf 25.24 / 45
p0 −54.81 ± 1.847
pull
Entries 46
Mean 192.5
Std Dev 174.6
pull1D
Entries 46
Mean 0.003589
Std Dev 0.7408

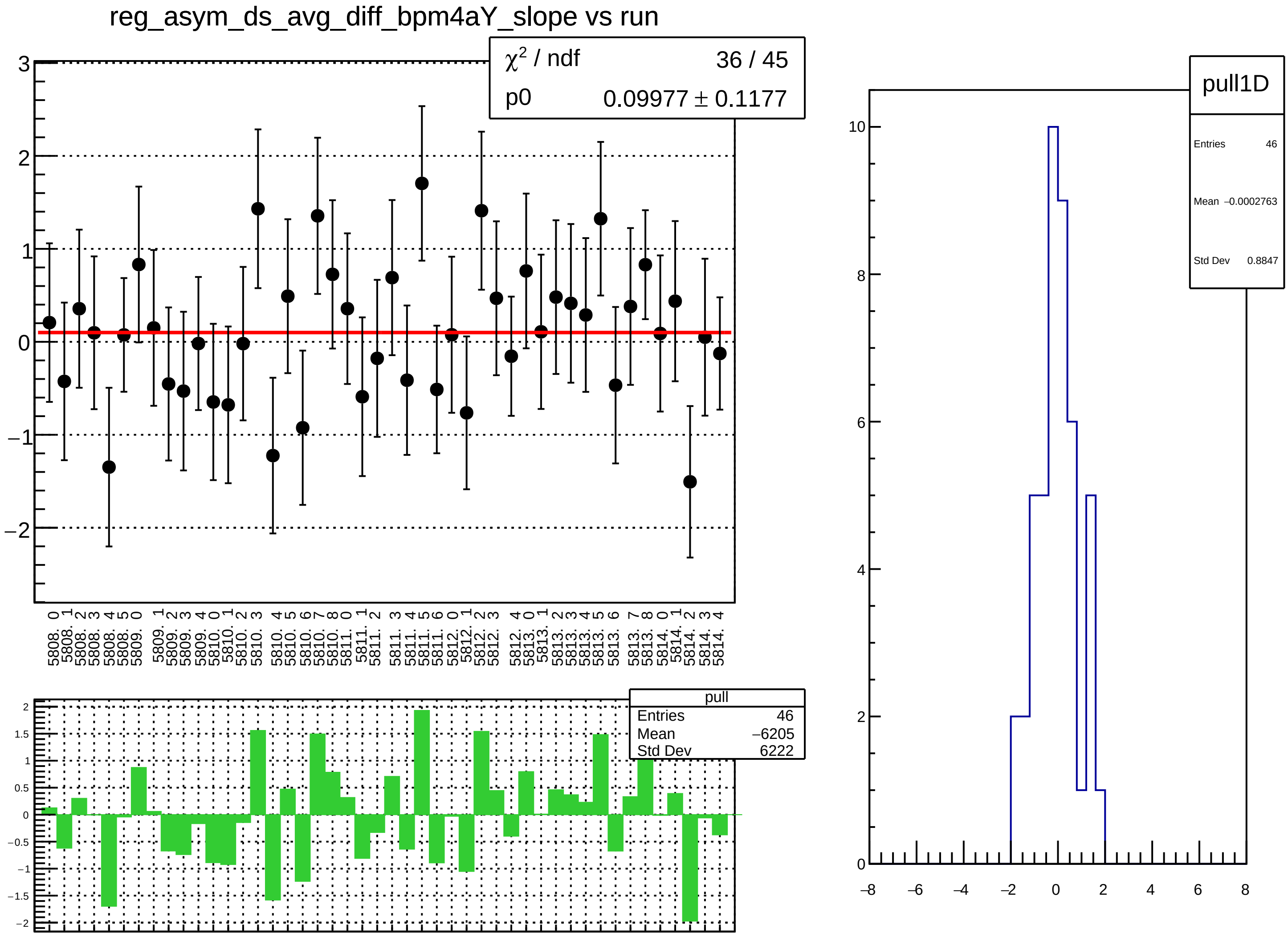


reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 34.71 / 45
p0 5.048 ± 1.406
pull
Entries 46
Mean 79.62
Std Dev 46.74
pull1D
Entries 46
Mean −0.01951
Std Dev 0.8684

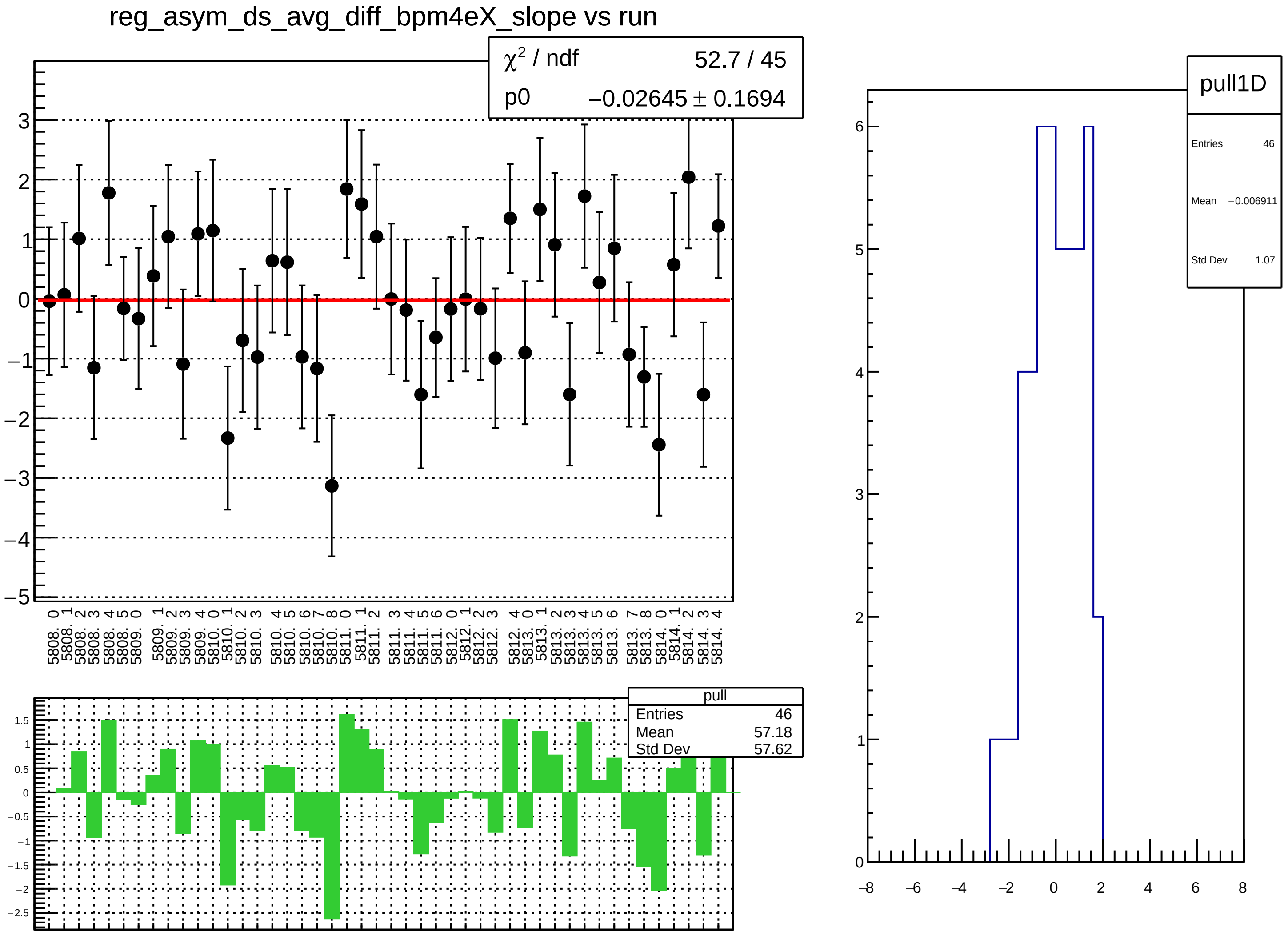


reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 29.91 / 45
p0 −3.061 ± 0.08391
pull
Entries 46
Mean 362.2
Std Dev 357.7
pull1D
Entries 46
Mean −0.001186
Std Dev 0.8063

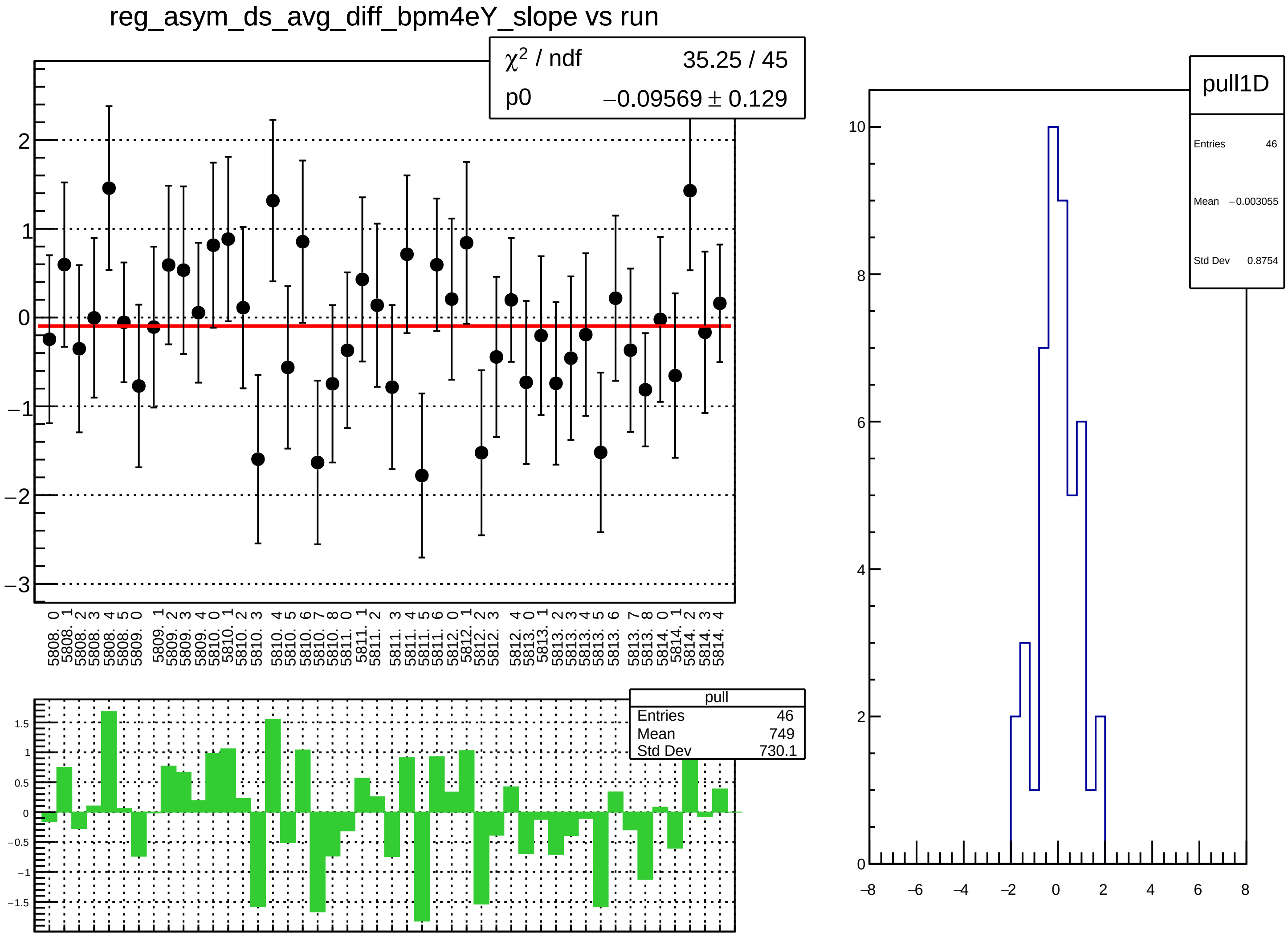

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 51.73 / 45
p0 0.00665 ± 0.1333
pull
Entries 46
Mean 76.12
Std Dev 68.36
pull1D
Entries 46
Mean 0.007449
Std Dev 1.06

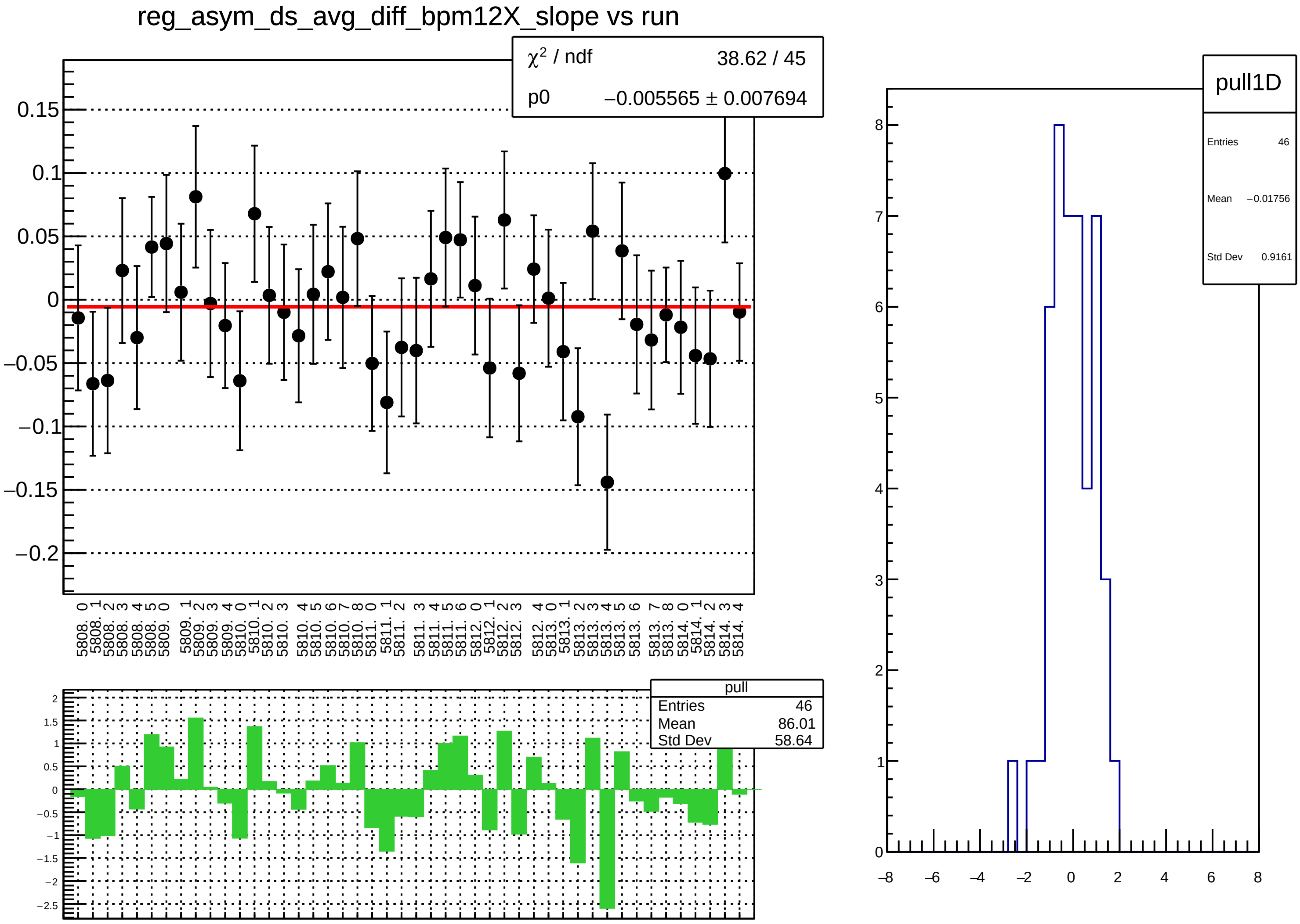


reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 36 / 45
p0 0.09977 ± 0.1177
pull
Entries 46
Mean −6205
Std Dev 6222
pull1D
Entries 46
Mean −0.0002763
Std Dev 0.8847

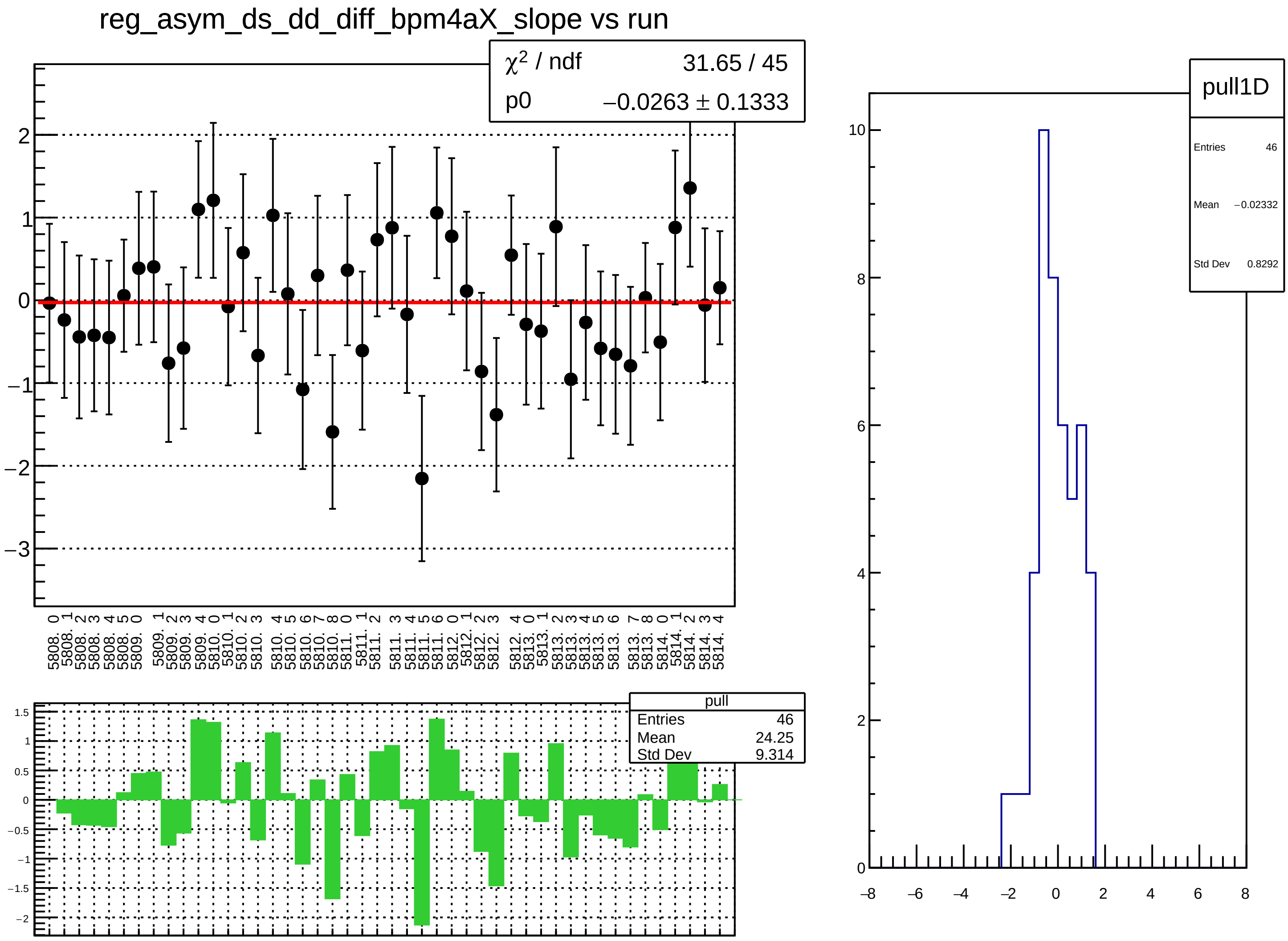


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 52.7 / 45
p0 −0.02645 ± 0.1694
pull
Entries 46
Mean 57.18
Std Dev 57.62
pull1D
Entries 46
Mean −0.006911
Std Dev 1.07

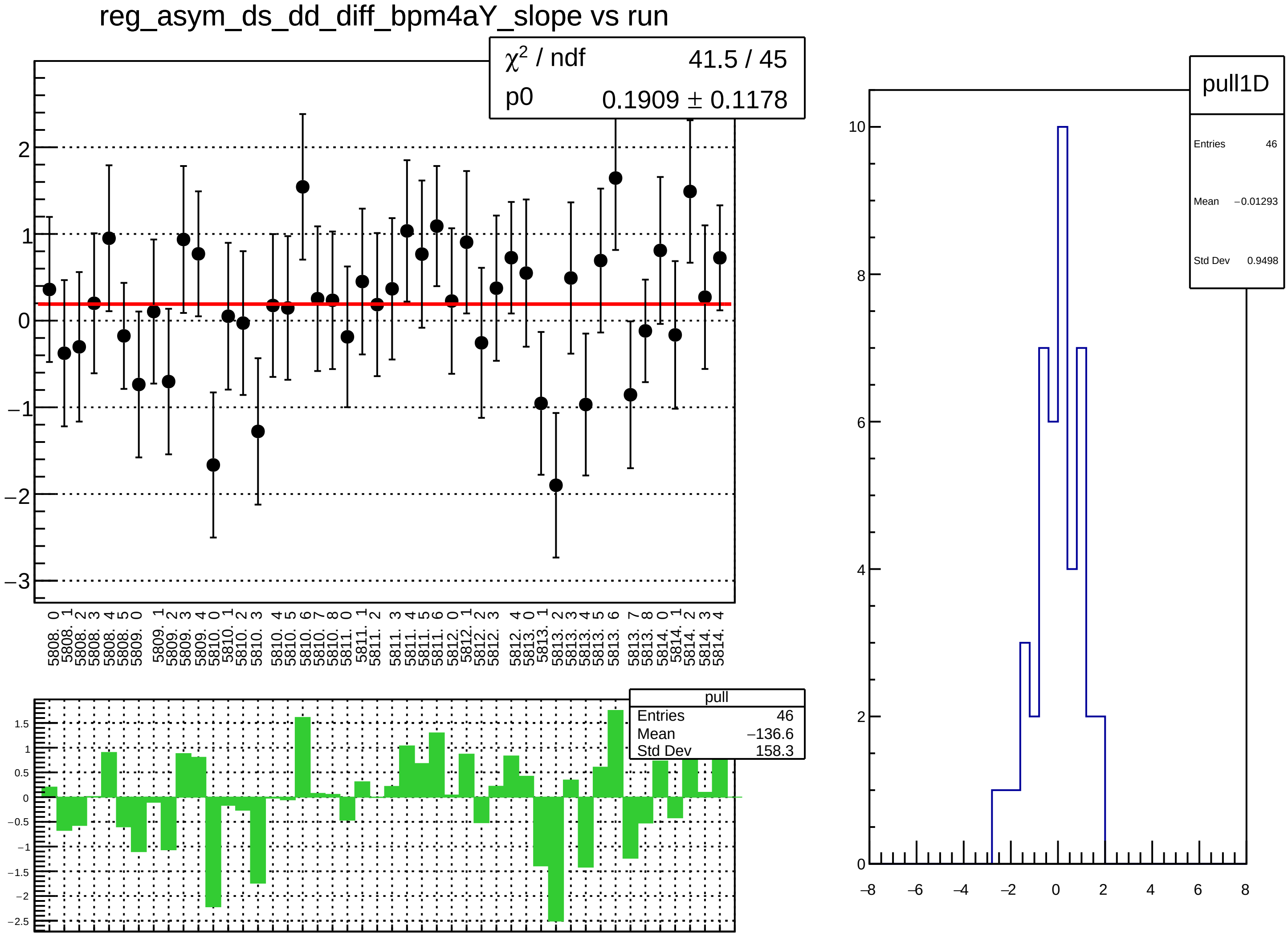

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 35.25 / 45
p0 −0.09569 ± 0.129
pull
Entries 46
Mean 749
Std Dev 730.1
pull1D
Entries 46
Mean −0.003055
Std Dev 0.8754

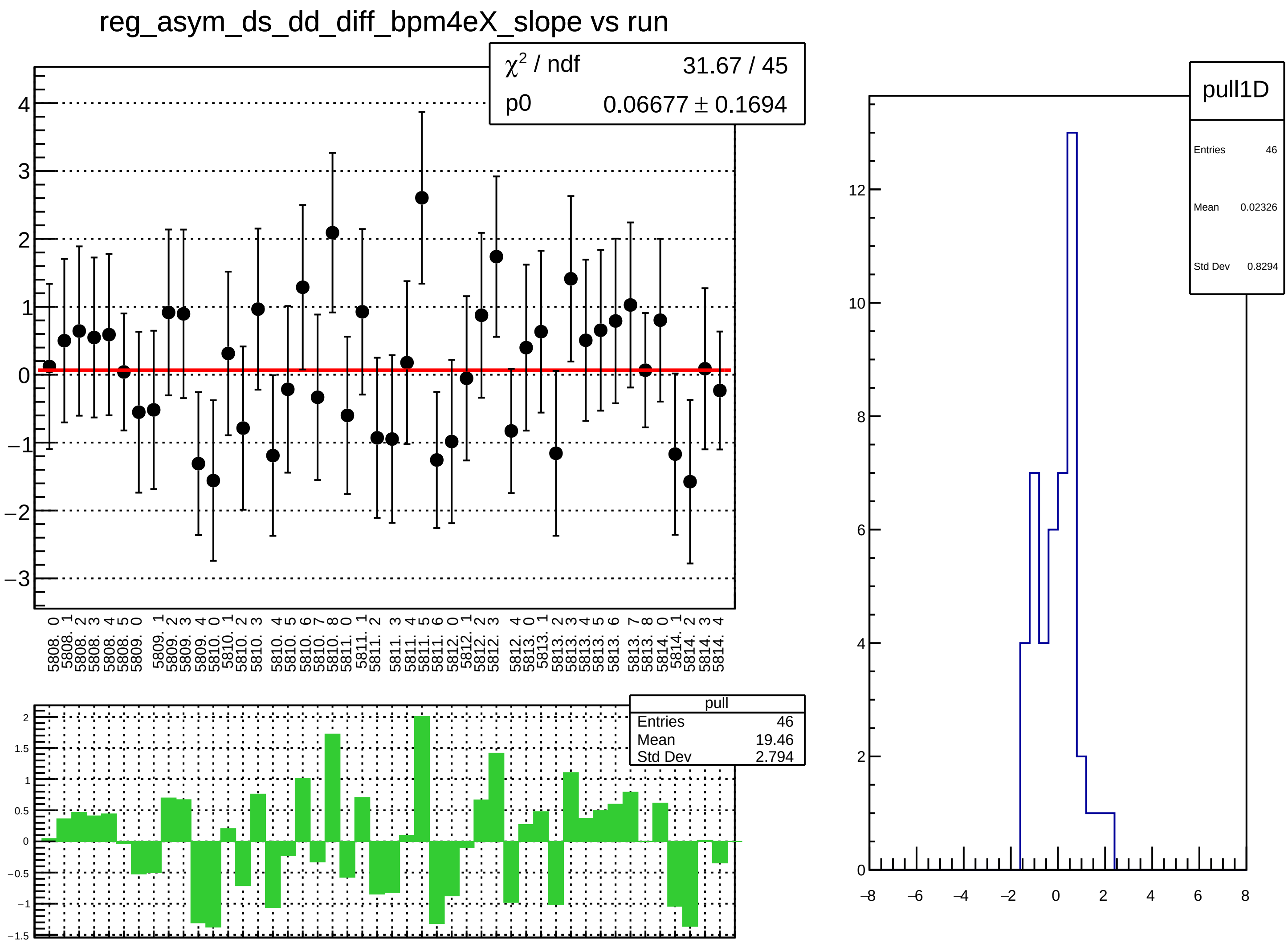


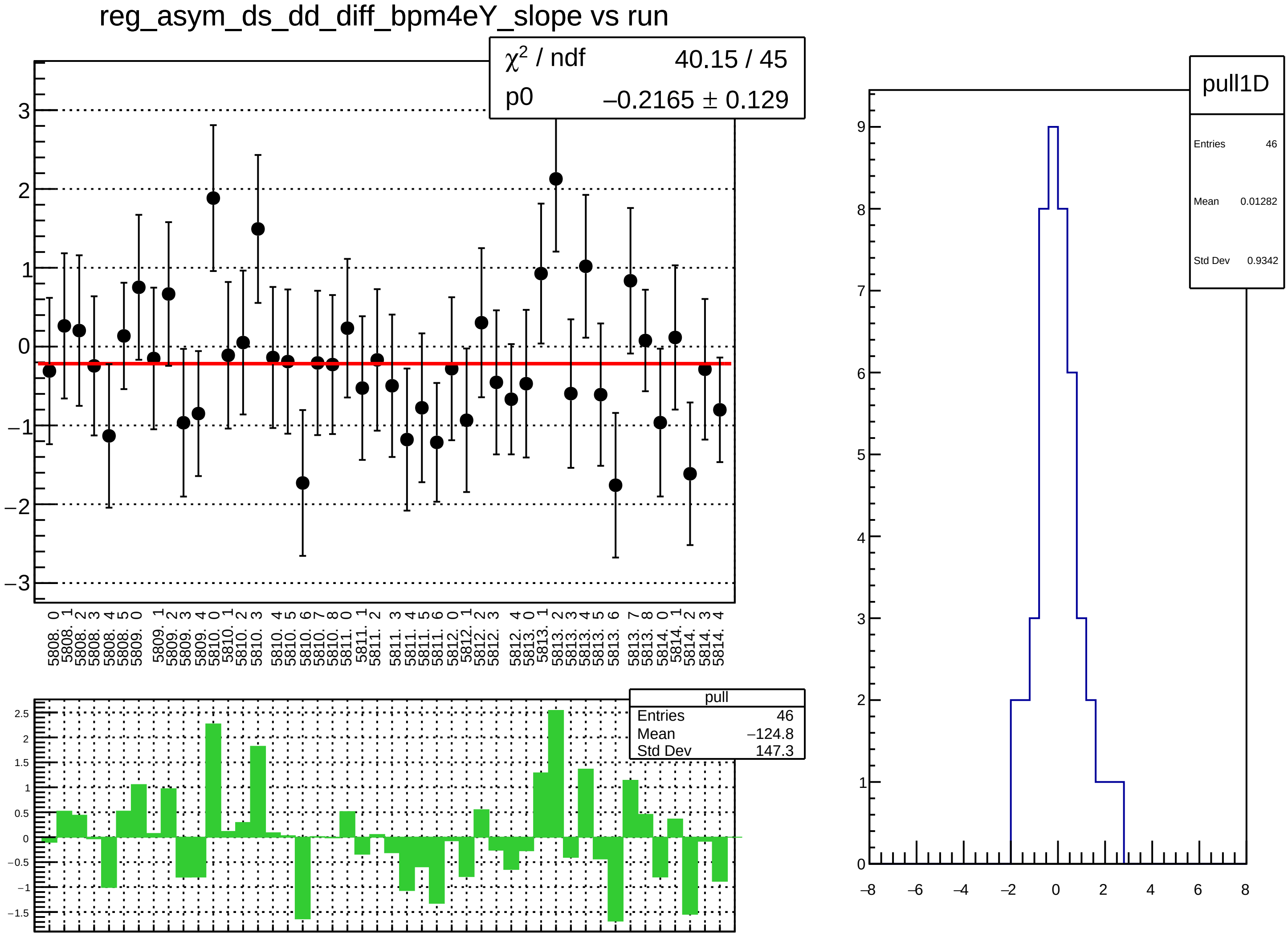
reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 38.62 / 45
p0 −0.005565 ± 0.007694
pull
Entries 46
Mean 86.01
Std Dev 58.64
pull1D
Entries 46
Mean −0.01756
Std Dev 0.9161



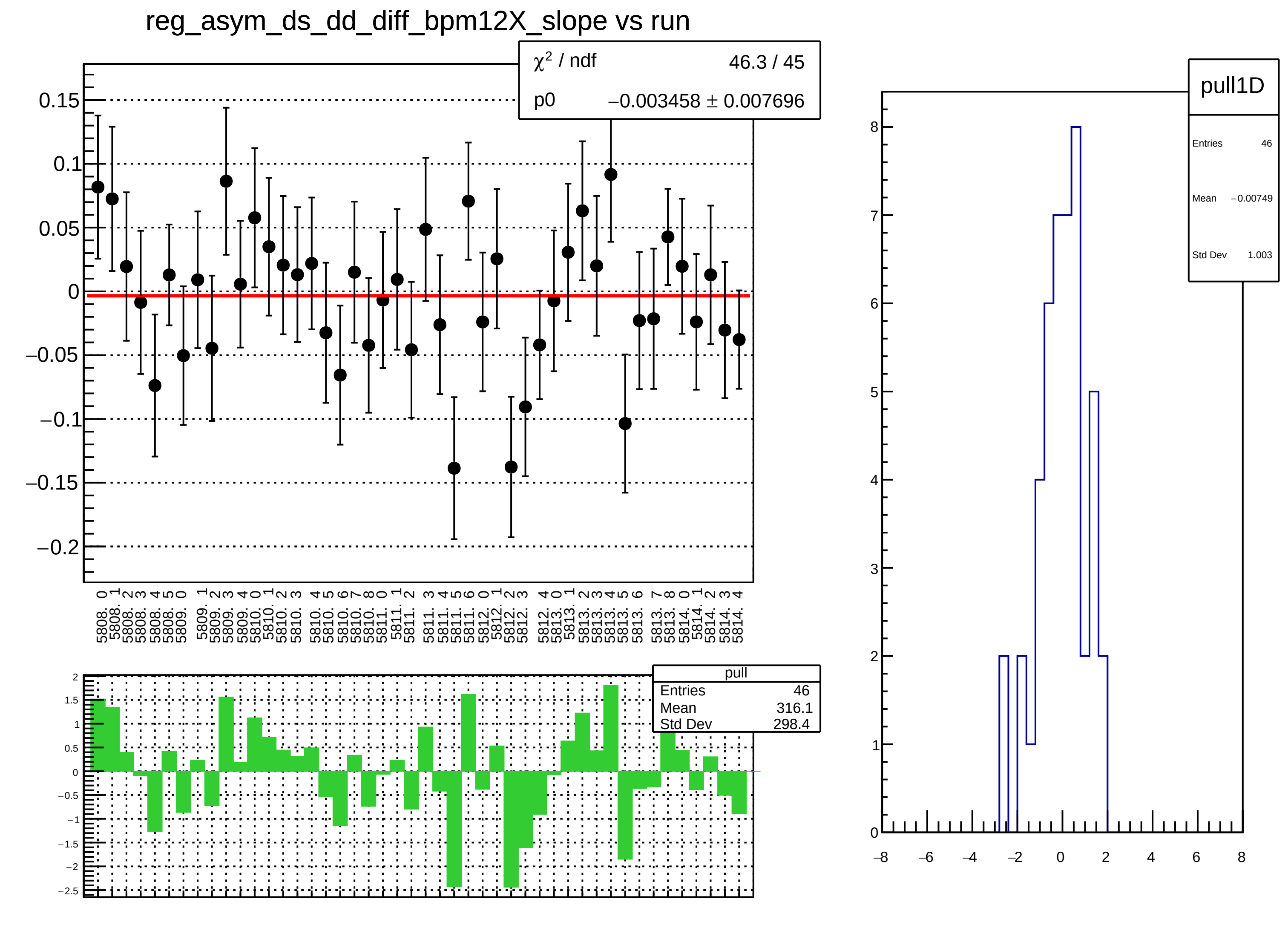
reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 31.65 / 45
p0 −0.0263 ± 0.1333
pull
Entries 46
Mean 24.25
Std Dev 9.314
pull1D
Entries 46
Mean −0.02332
Std Dev 0.8292


reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 41.5 / 45
p0 0.1909 ± 0.1178
2
1
0
−1
−2
−3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −136.6
Std Dev 158.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.01293
Std Dev 0.9498
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

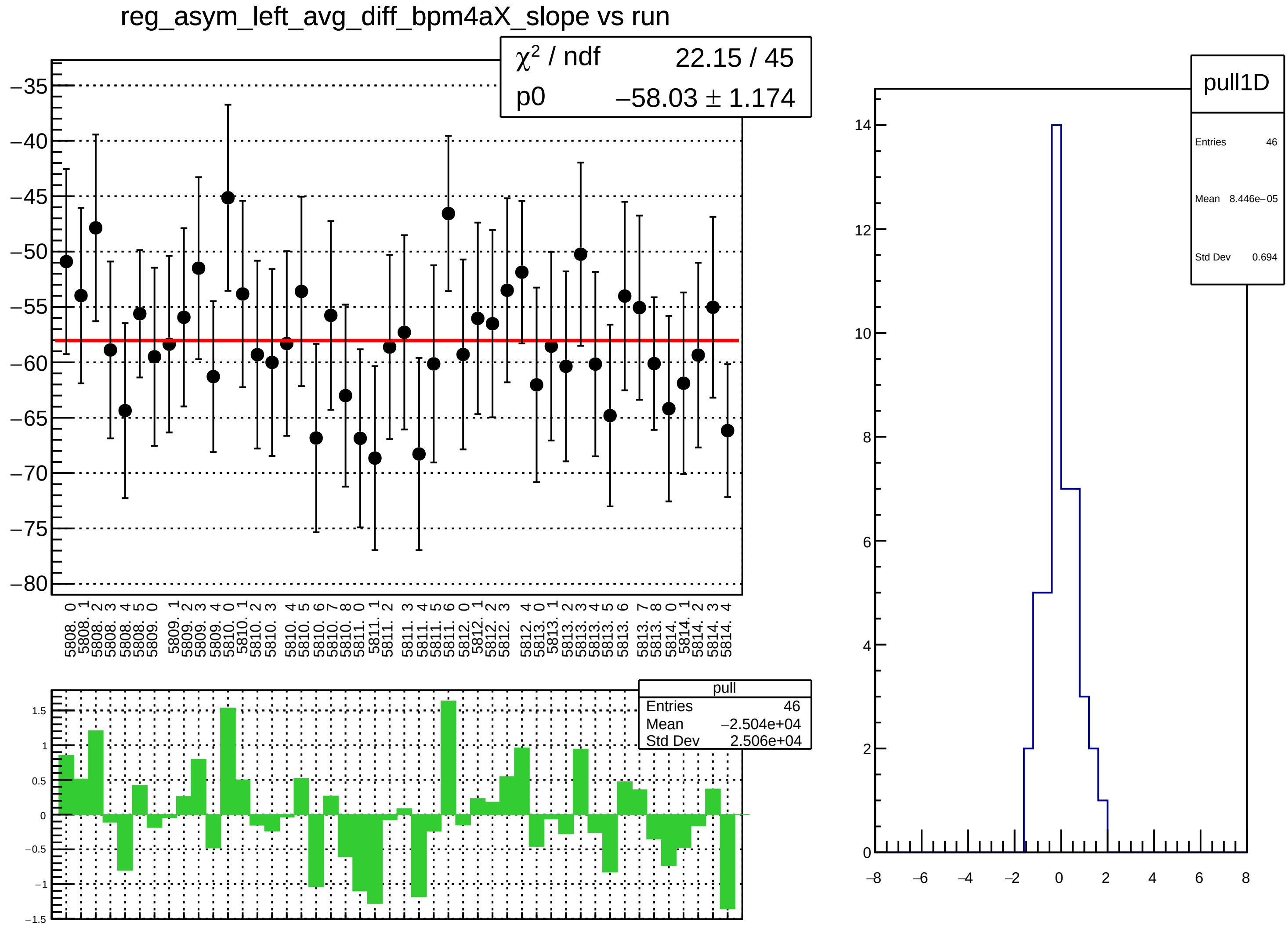

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.67 / 45
p0 0.06677 ± 0.1694
pull
Entries 46
Mean 19.46
Std Dev 2.794
pull1D
Entries 46
Mean 0.02326
Std Dev 0.8294

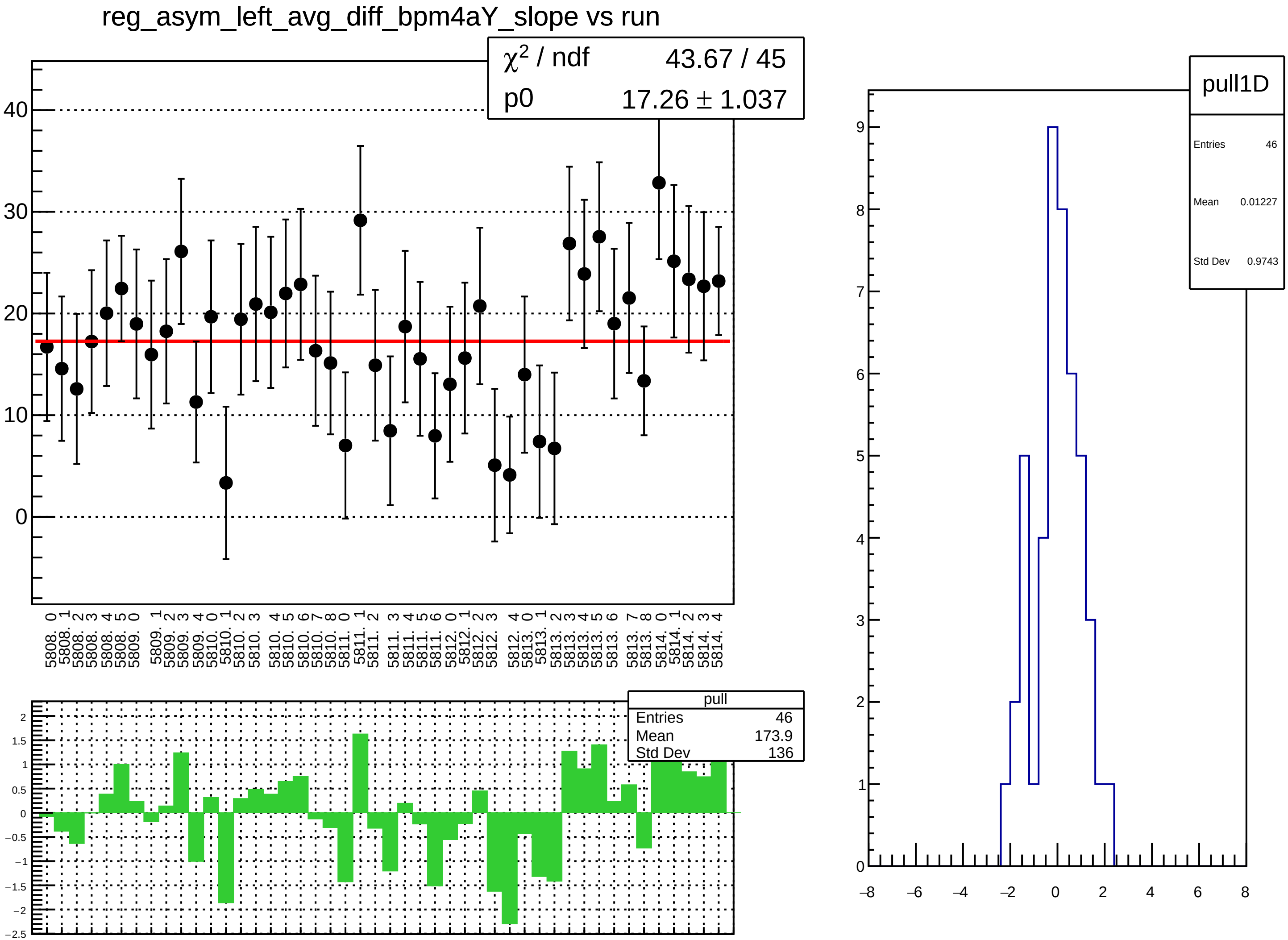


reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 40.15 / 45
p0 −0.2165 ± 0.129
pull
Entries 46
Mean −124.8
Std Dev 147.3
pull1D
Entries 46
Mean 0.01282
Std Dev 0.9342

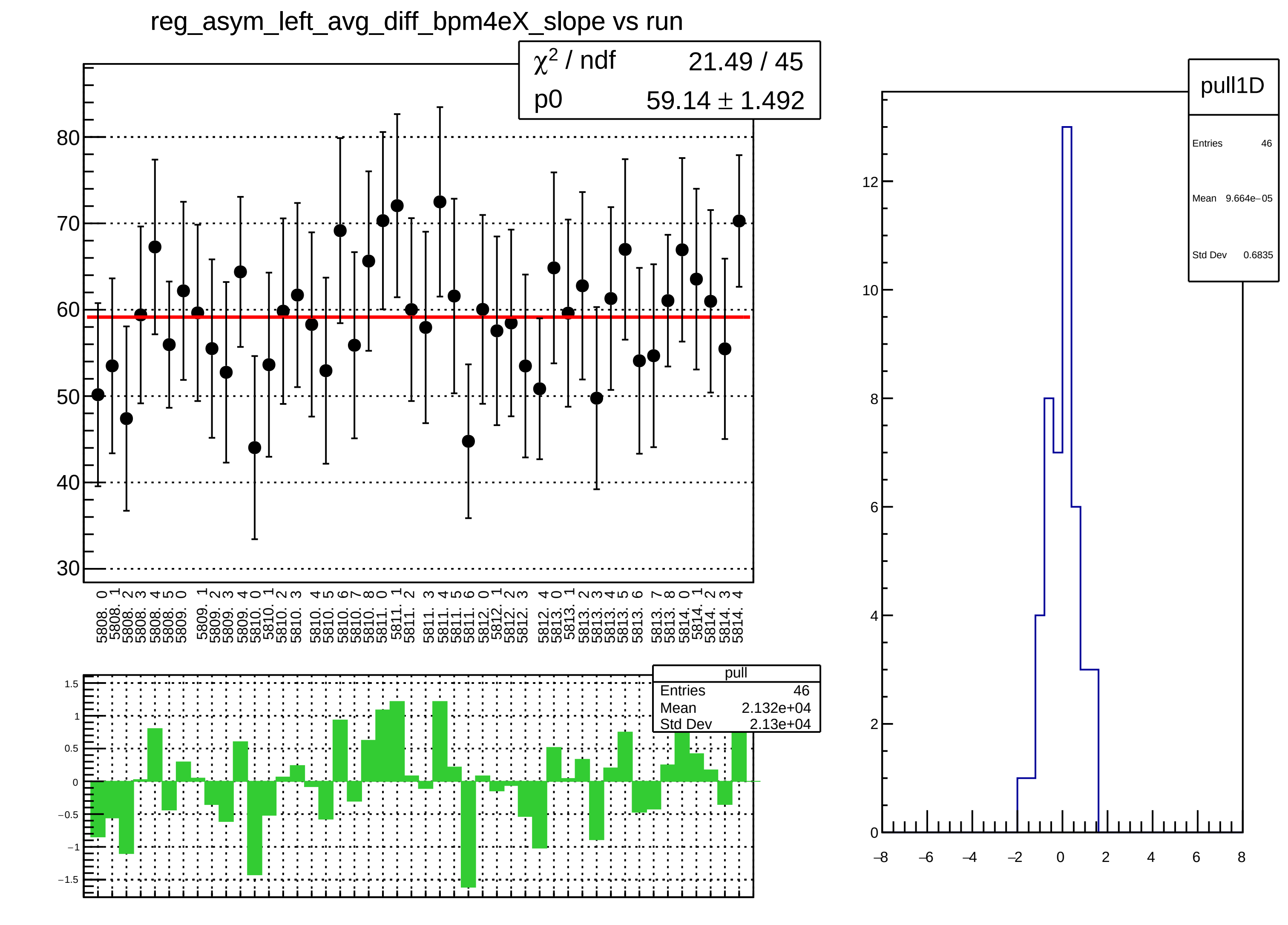


reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 46.3 / 45
p0 −0.003458 ± 0.007696
pull
Entries 46
Mean 316.1
Std Dev 298.4
pull1D
Entries 46
Mean −0.00749
Std Dev 1.003

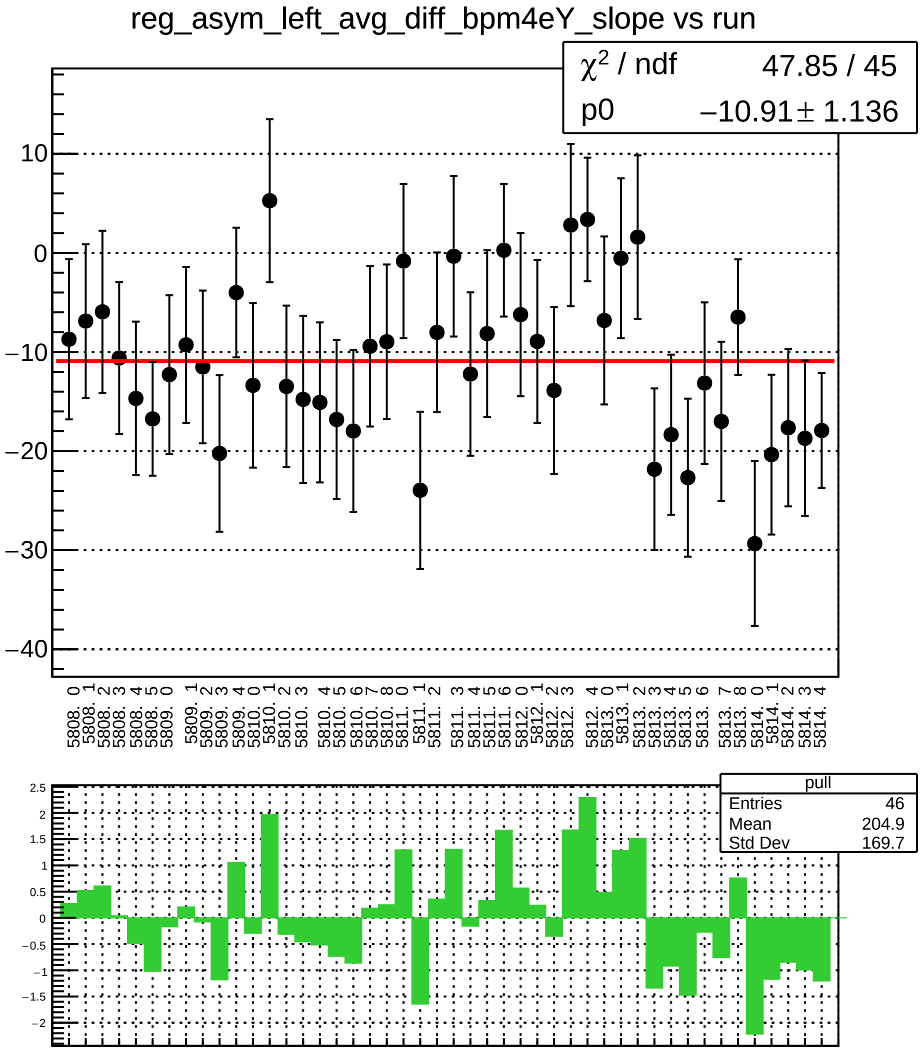

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 22.15 / 45
p0 −58.03 ± 1.174
pull
Entries 46
Mean −2.504e+04
Std Dev 2.506e+04
pull1D
Entries 46
Mean 8.446e−05
Std Dev 0.694



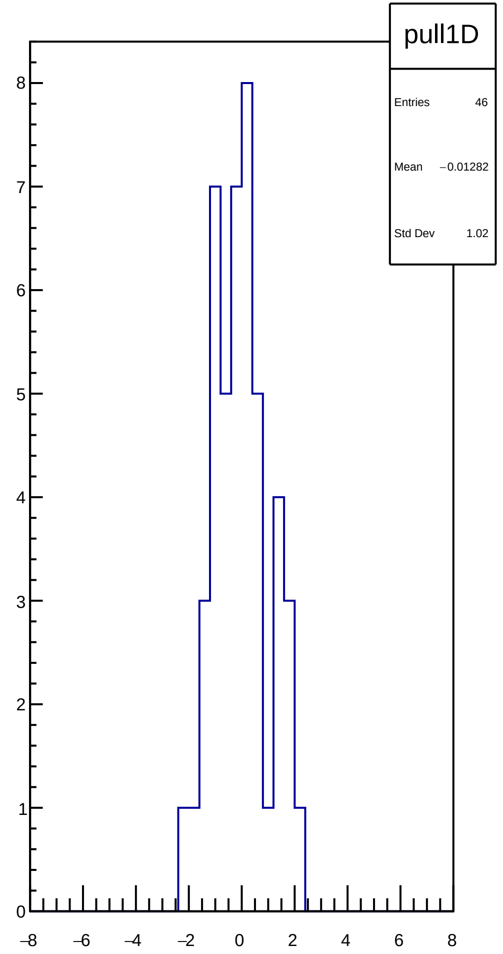
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 43.67 / 45
p0 17.26 ± 1.037
pull
Entries 46
Mean 173.9
Std Dev 136
pull1D
Entries 46
Mean 0.01227
Std Dev 0.9743



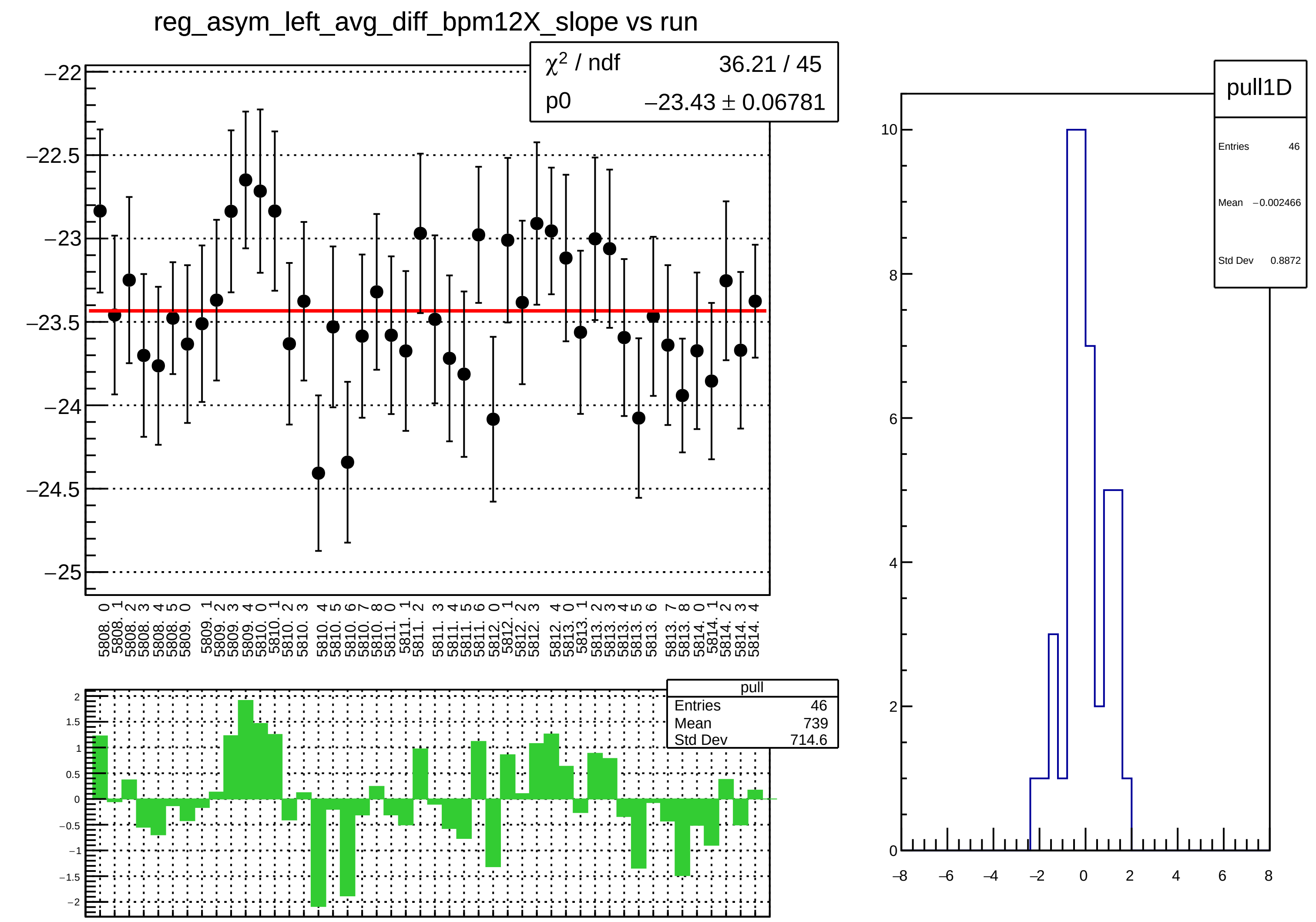
reg_asym_left_avg_diff_bpm4eX_slope vs run
χ2 / ndf 21.49 / 45
p0 59.14 ± 1.492
pull
Entries 46
Mean 2.132e+04
Std Dev 2.13e+04
pull1D
Entries 46
Mean 9.664e−05
Std Dev 0.6835



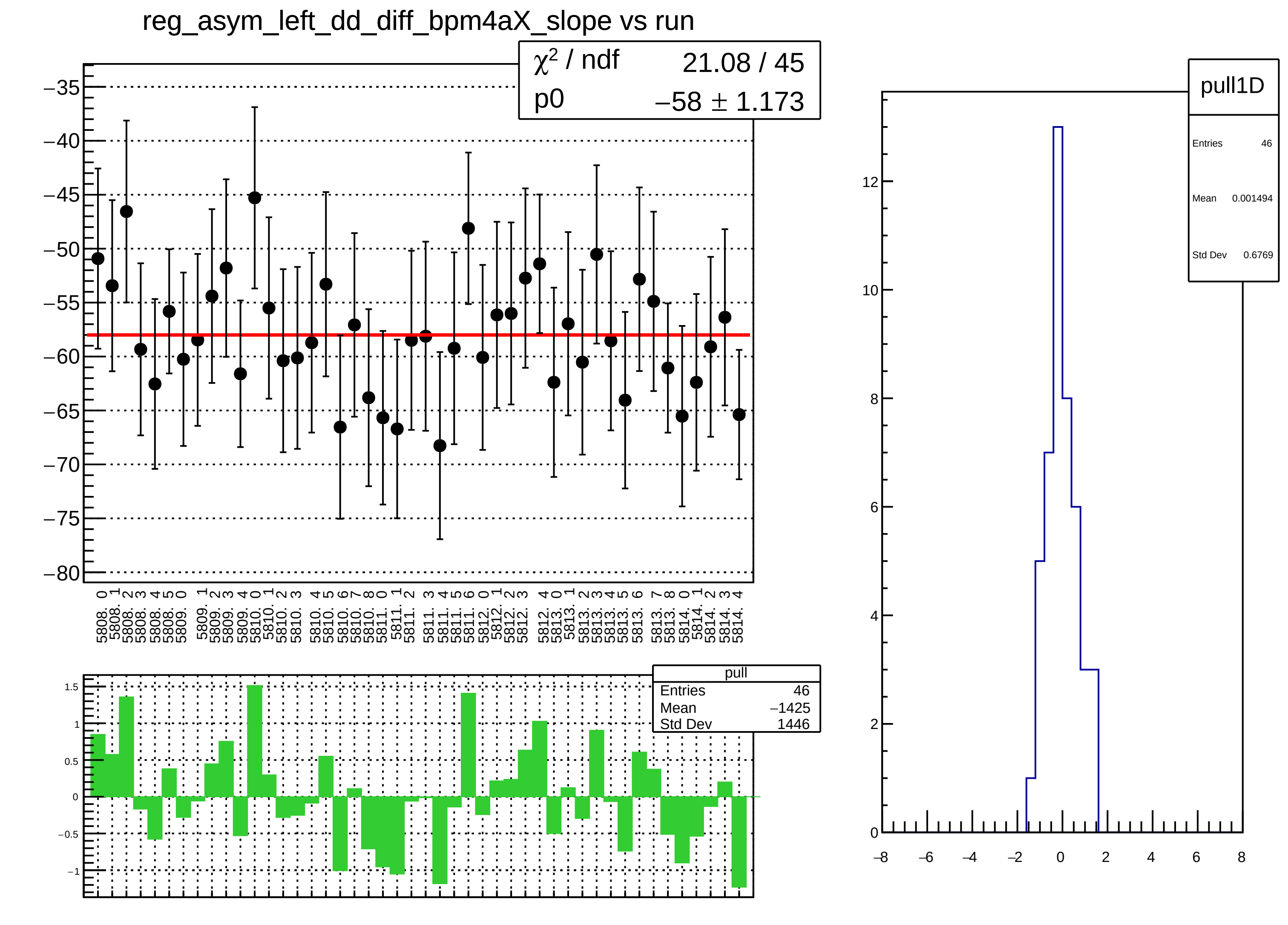
reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 47.85 / 45
p0 −10.91 ± 1.136
pull
Entries 46
Mean 204.9
Std Dev 169.7



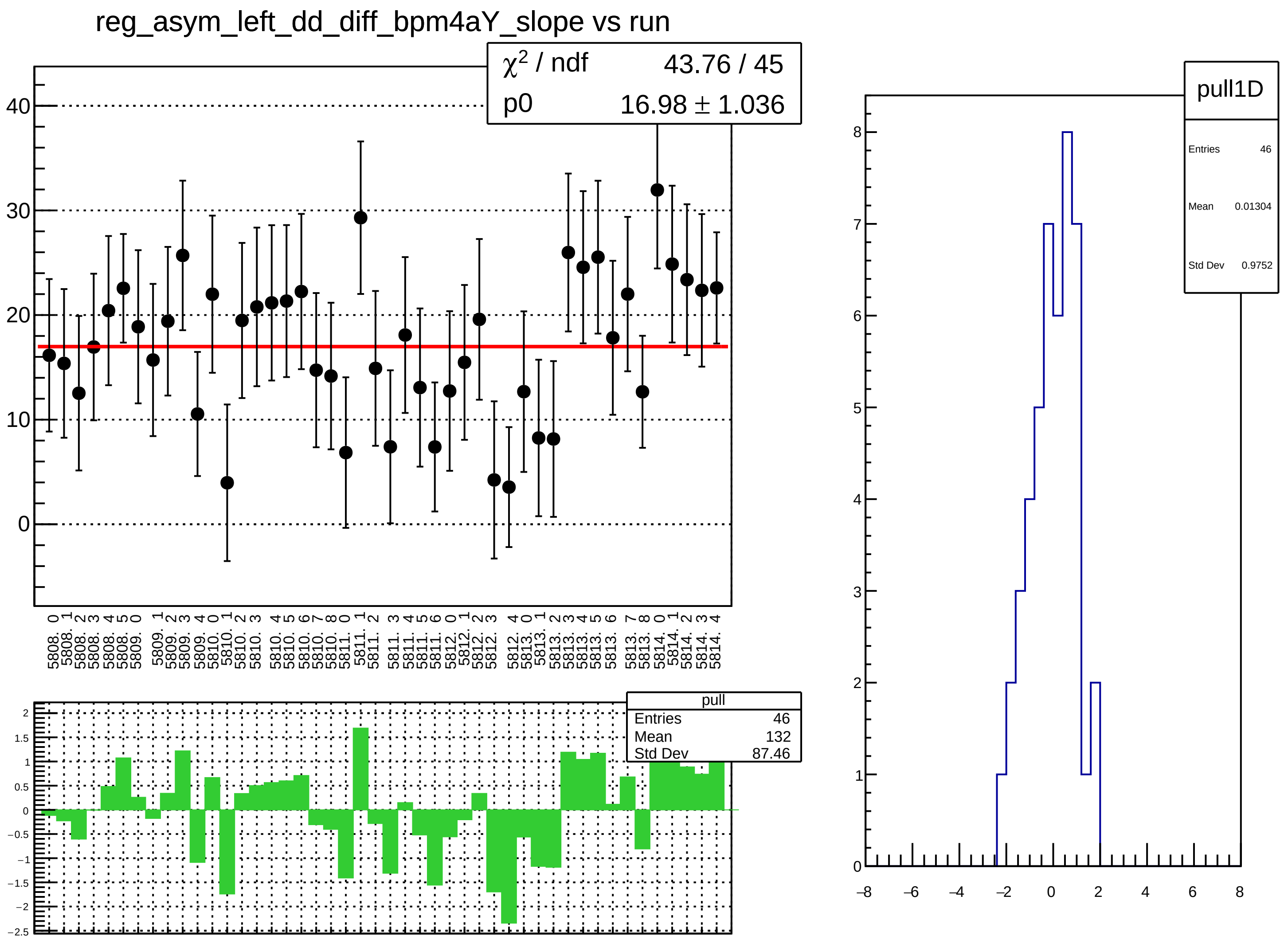
pull1D
Entries 46
Mean −0.01282
Std Dev 1.02



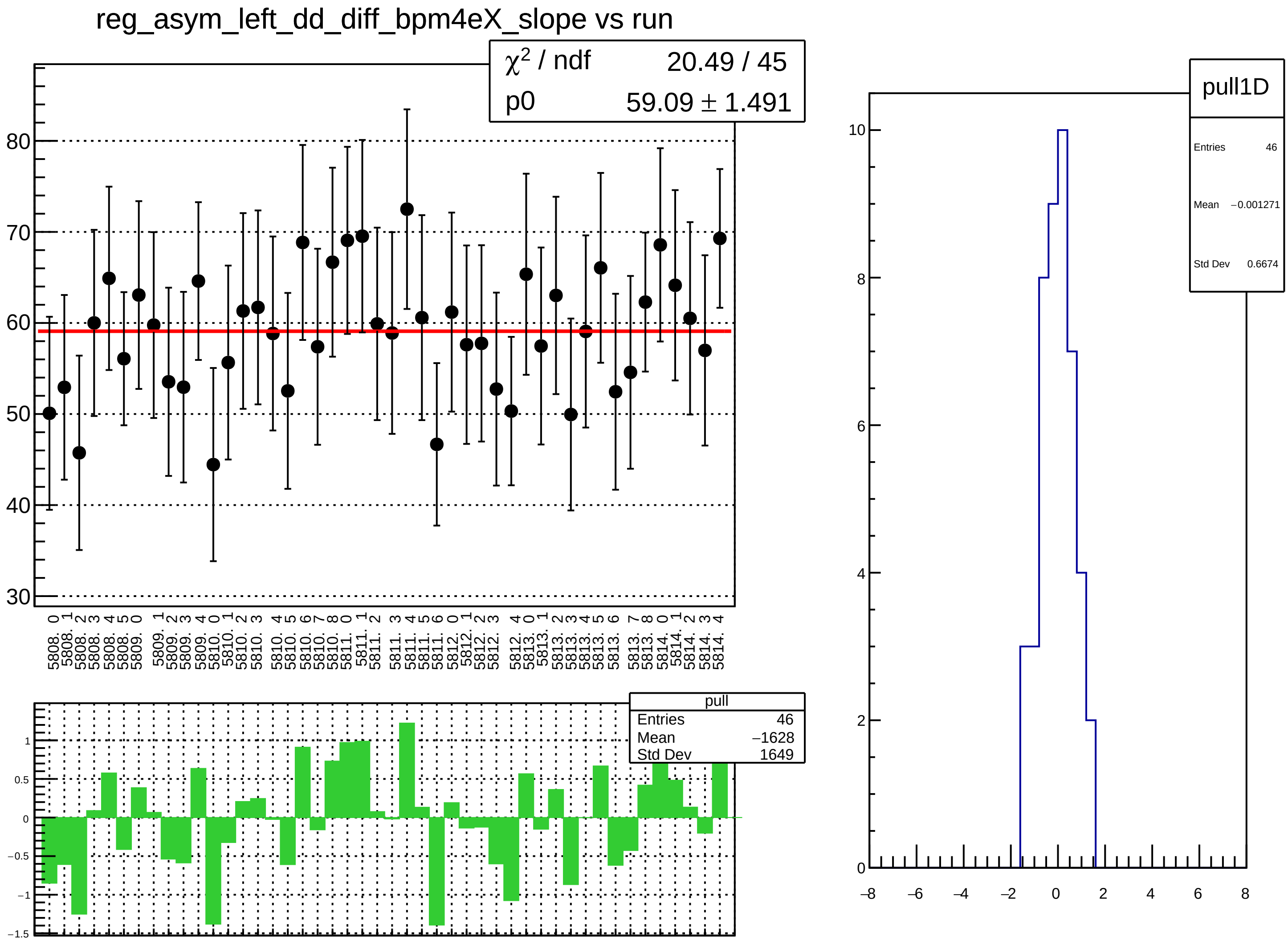
reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 36.21 / 45
p0 −23.43 ± 0.06781
pull
Entries 46
Mean 739
Std Dev 714.6
pull1D
Entries 46
Mean −0.002466
Std Dev 0.8872

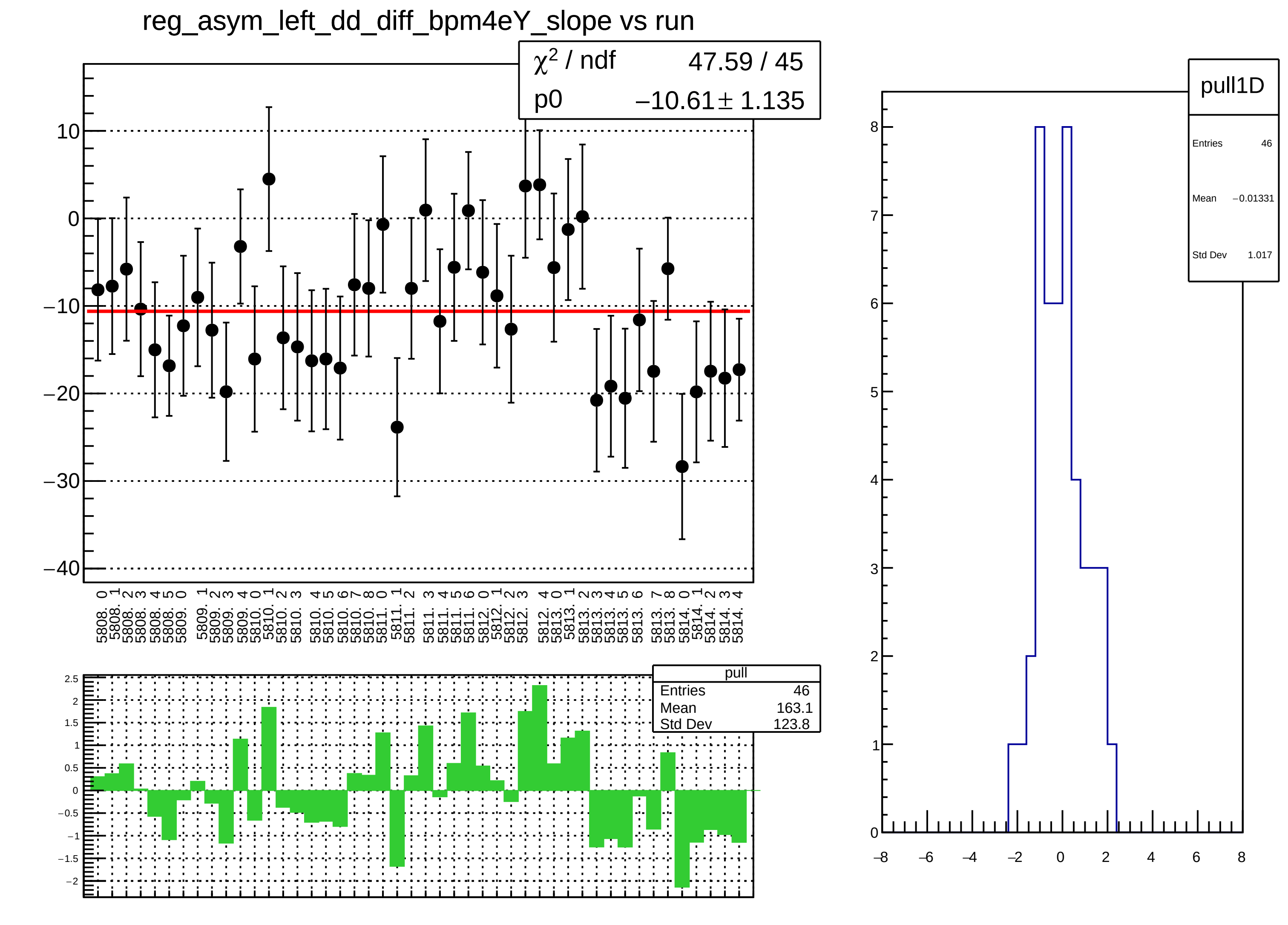


reg_asym_left_dd_diff_bpm4aX_slope vs run
χ2 / ndf 21.08 / 45
p0 −58 ± 1.173
pull
Entries 46
Mean −1425
Std Dev 1446
pull1D
Entries 46
Mean 0.001494
Std Dev 0.6769

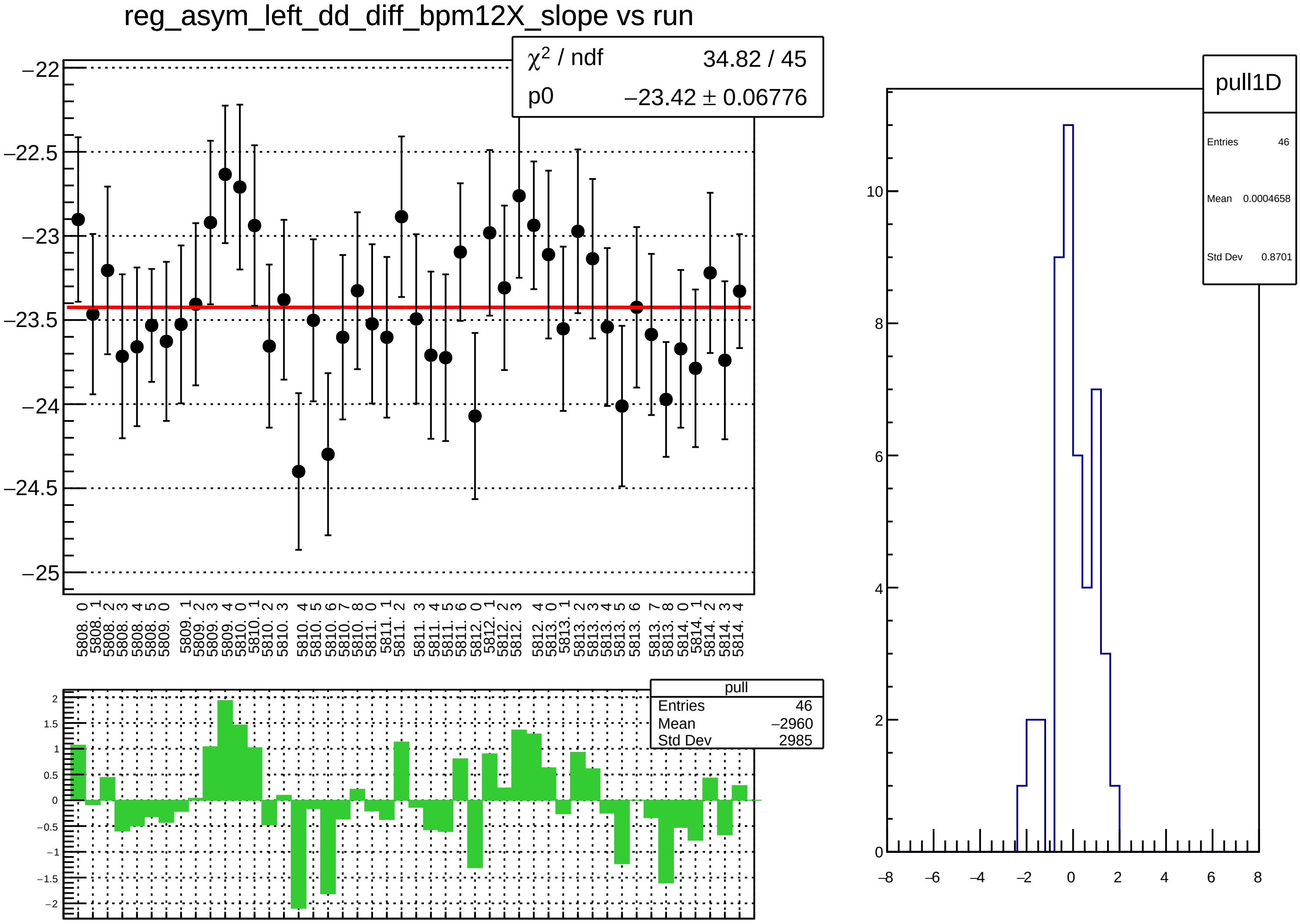


reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 43.76 / 45
p0 16.98 ± 1.036
pull
Entries 46
Mean 132
Std Dev 87.46
pull1D
Entries 46
Mean 0.01304
Std Dev 0.9752

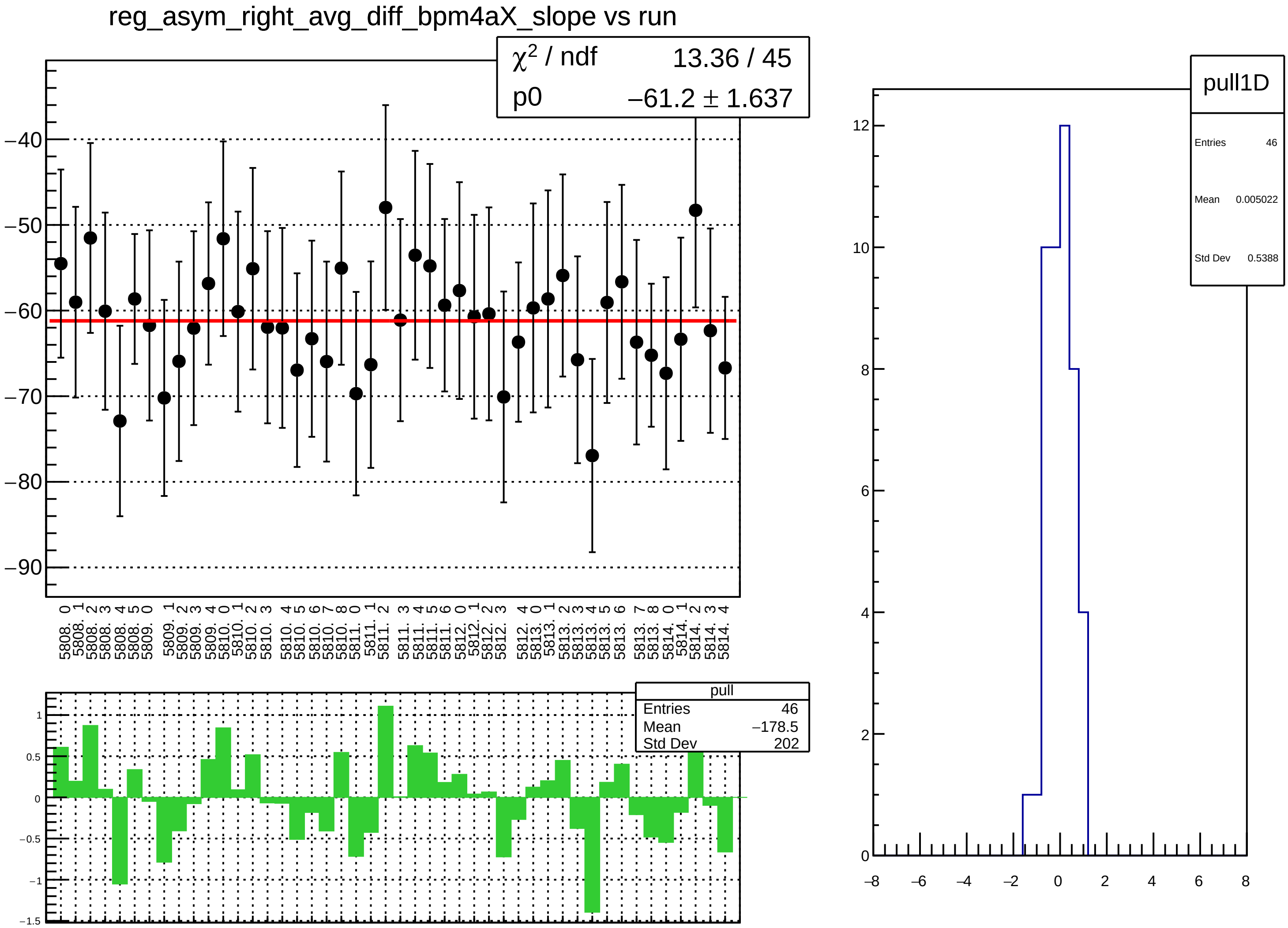

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.49 / 45
p0 59.09 ± 1.491
pull
Entries 46
Mean −1628
Std Dev 1649
pull1D
Entries 46
Mean −0.001271
Std Dev 0.6674



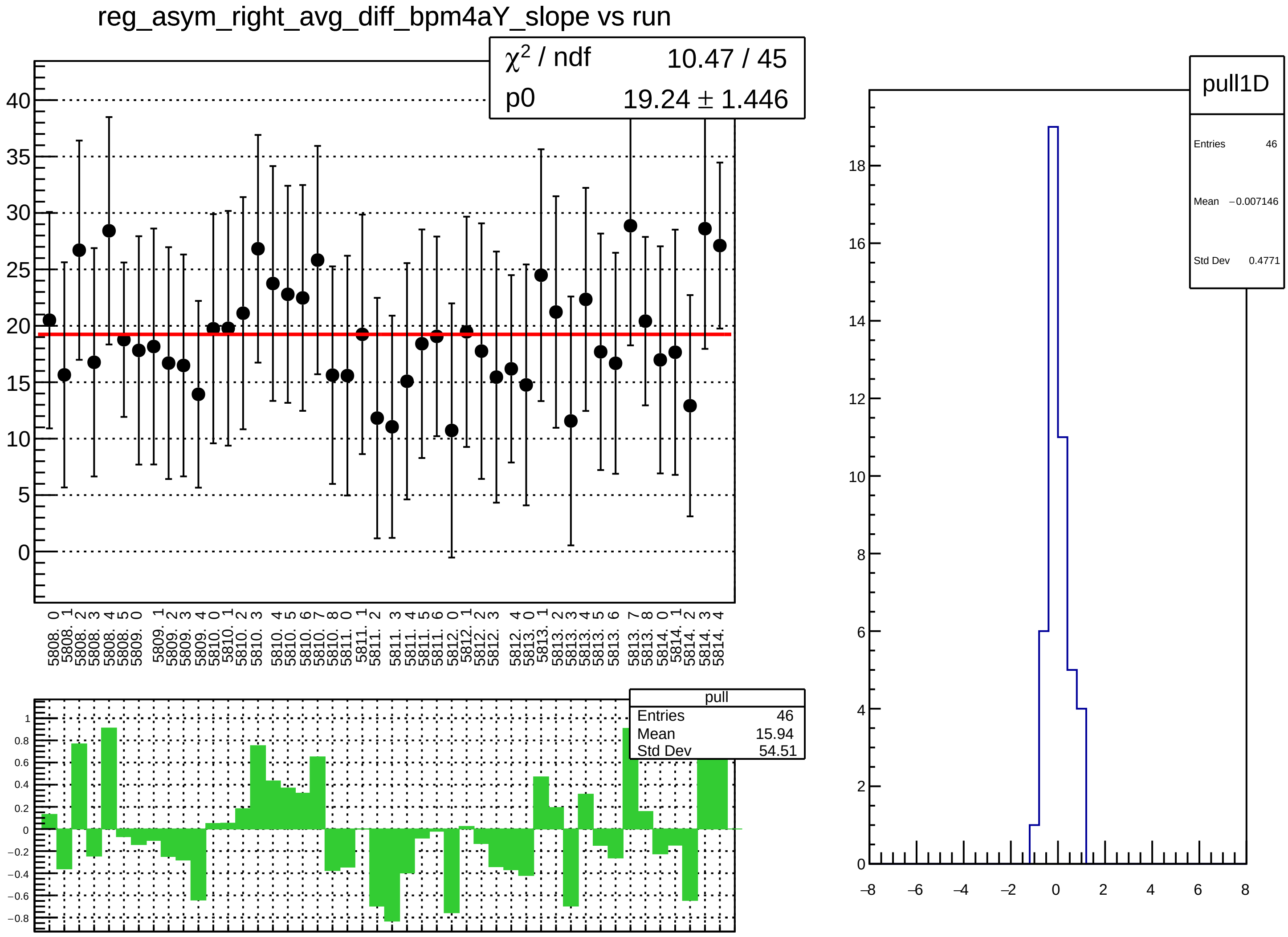
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ2 / ndf 47.59 / 45
p0 −10.61 ± 1.135
pull
Entries 46
Mean 163.1
Std Dev 123.8
pull1D
Entries 46
Mean −0.01331
Std Dev 1.017



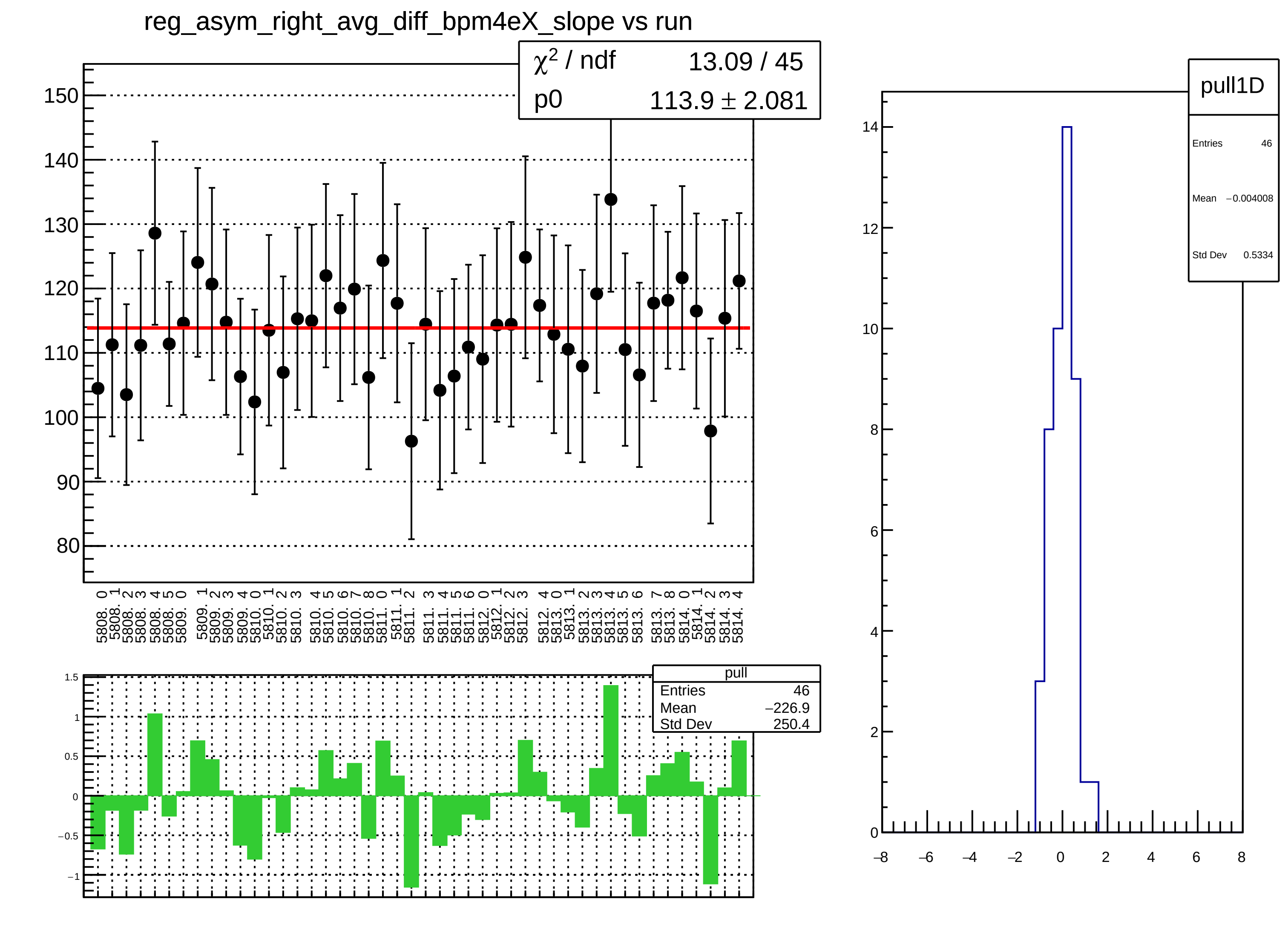
reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 34.82 / 45
p0 −23.42 ± 0.06776
pull
Entries 46
Mean −2960
Std Dev 2985
pull1D
Entries 46
Mean 0.0004658
Std Dev 0.8701



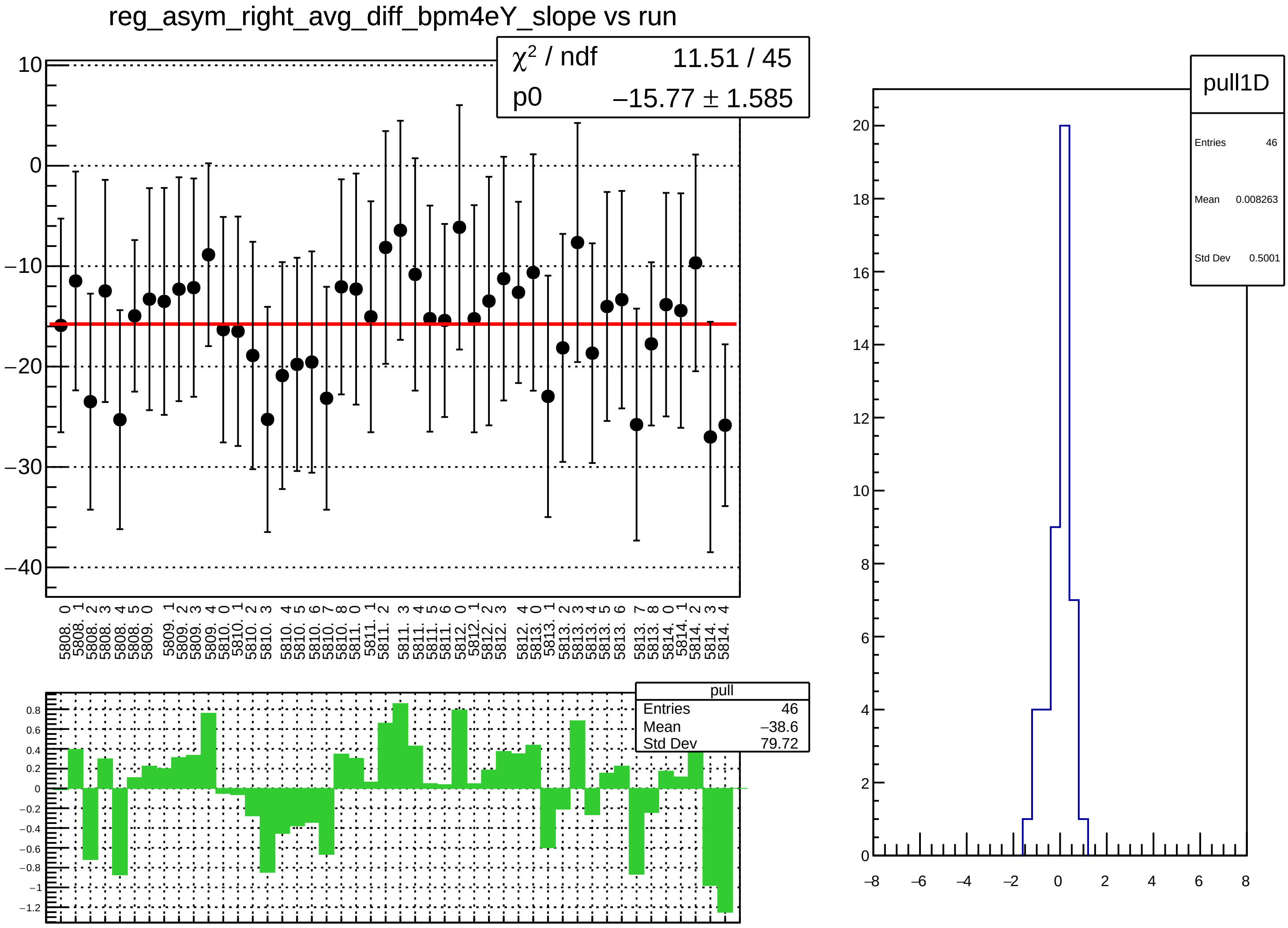
reg_asym_right_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 13.36 / 45
p0 −61.2 ± 1.637
pull
Entries 46
Mean −178.5
Std Dev 202
pull1D
Entries 46
Mean 0.005022
Std Dev 0.5388



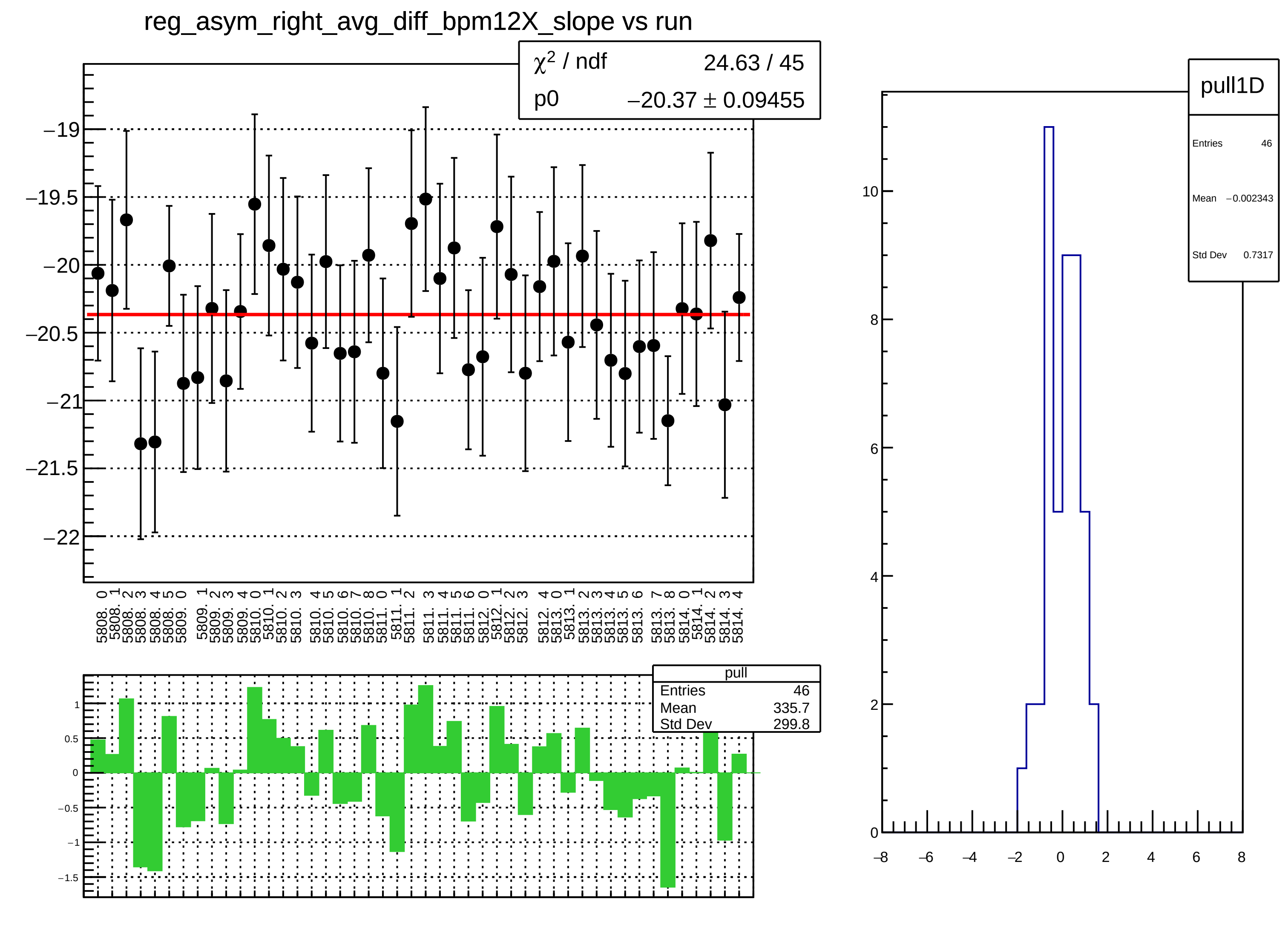
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.47 / 45
p0 19.24 ± 1.446
pull
Entries 46
Mean 15.94
Std Dev 54.51
pull1D
Entries 46
Mean −0.007146
Std Dev 0.4771

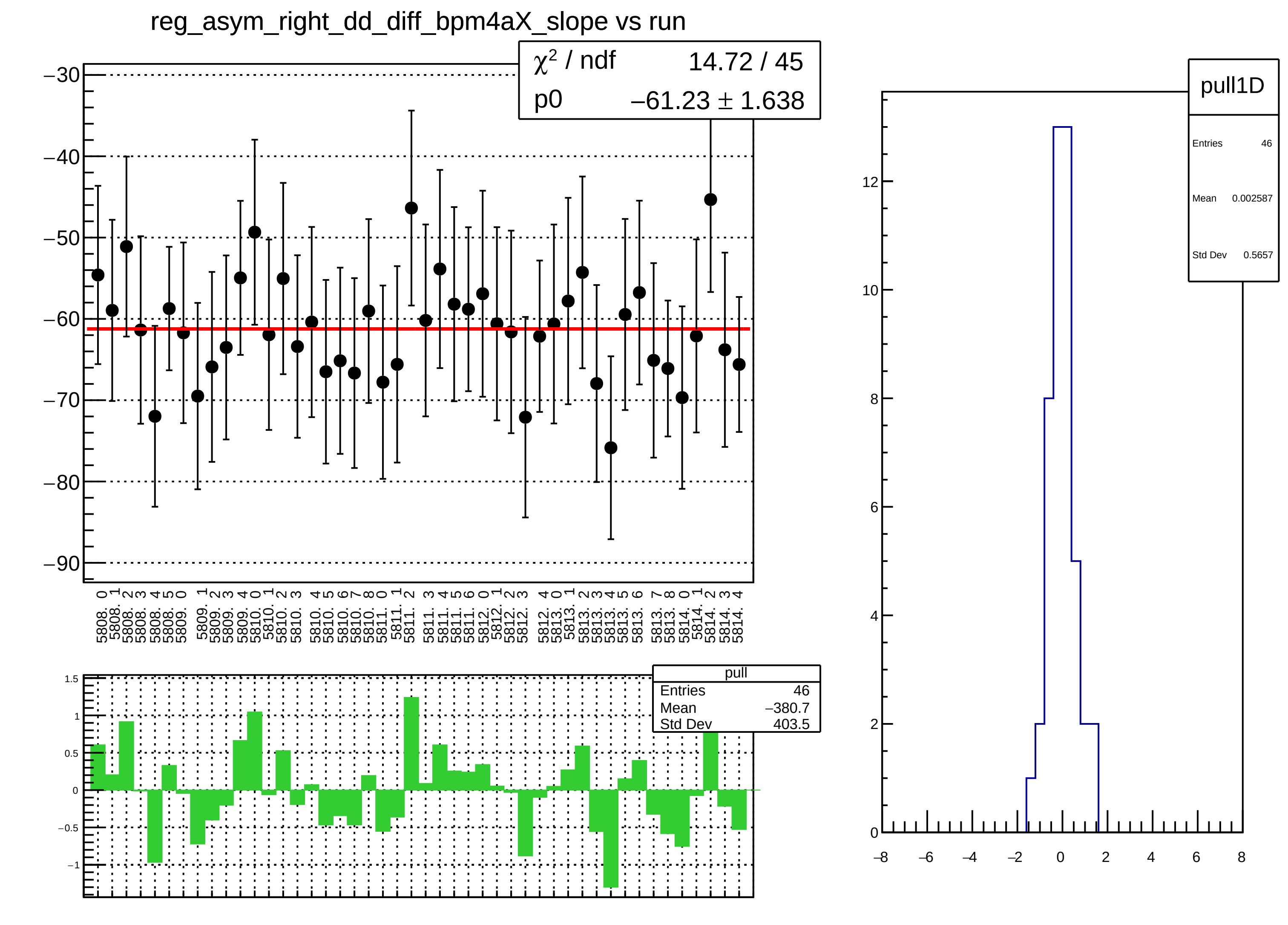


reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 13.09 / 45
p0 113.9 ± 2.081
pull
Entries 46
Mean −226.9
Std Dev 250.4
pull1D
Entries 46
Mean −0.004008
Std Dev 0.5334

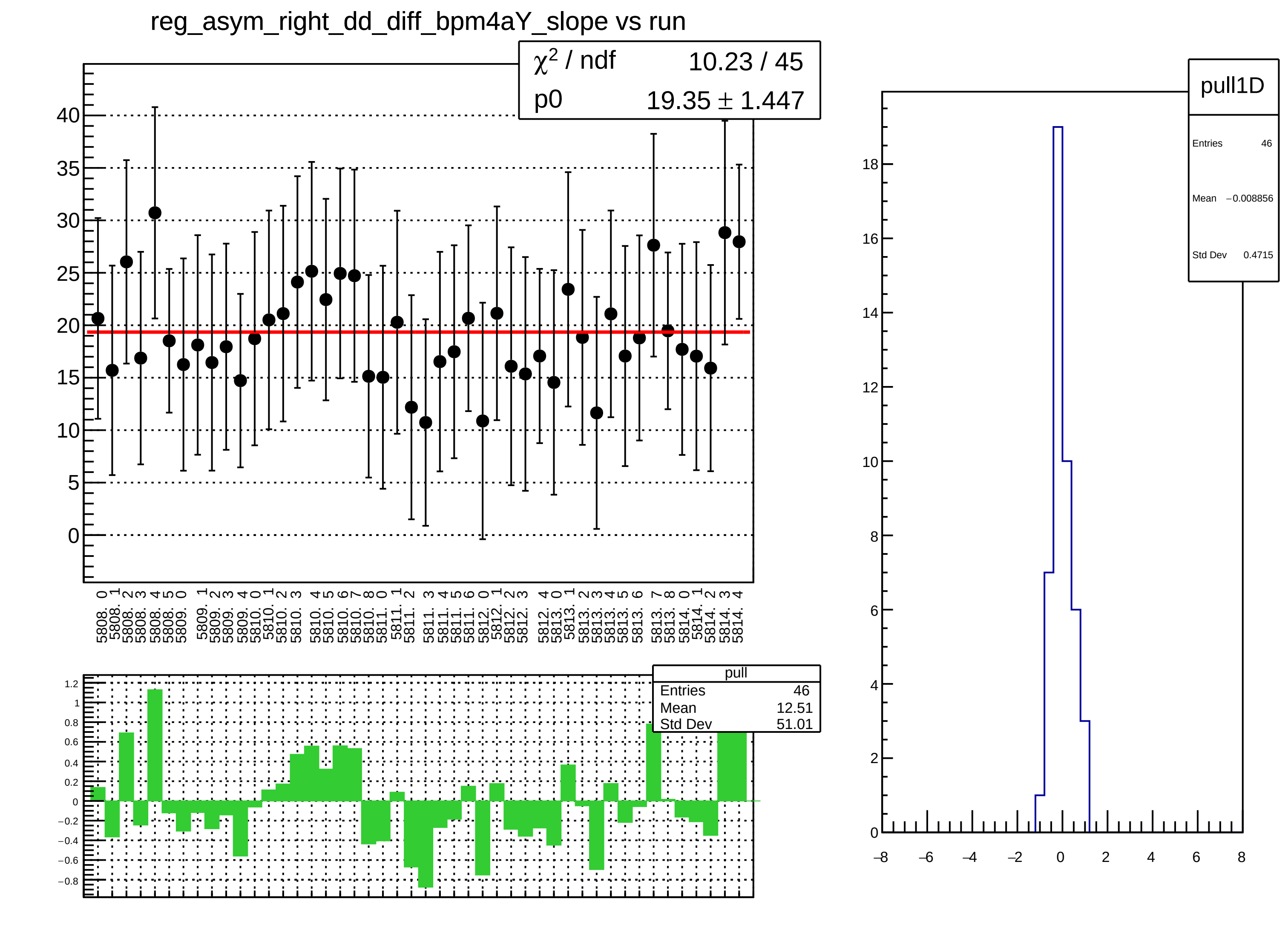


reg_asym_right_avg_diff_bpm4eY_slope vs run
χ2 / ndf 11.51 / 45
p0 −15.77 ± 1.585
pull
Entries 46
Mean −38.6
Std Dev 79.72
pull1D
Entries 46
Mean 0.008263
Std Dev 0.5001

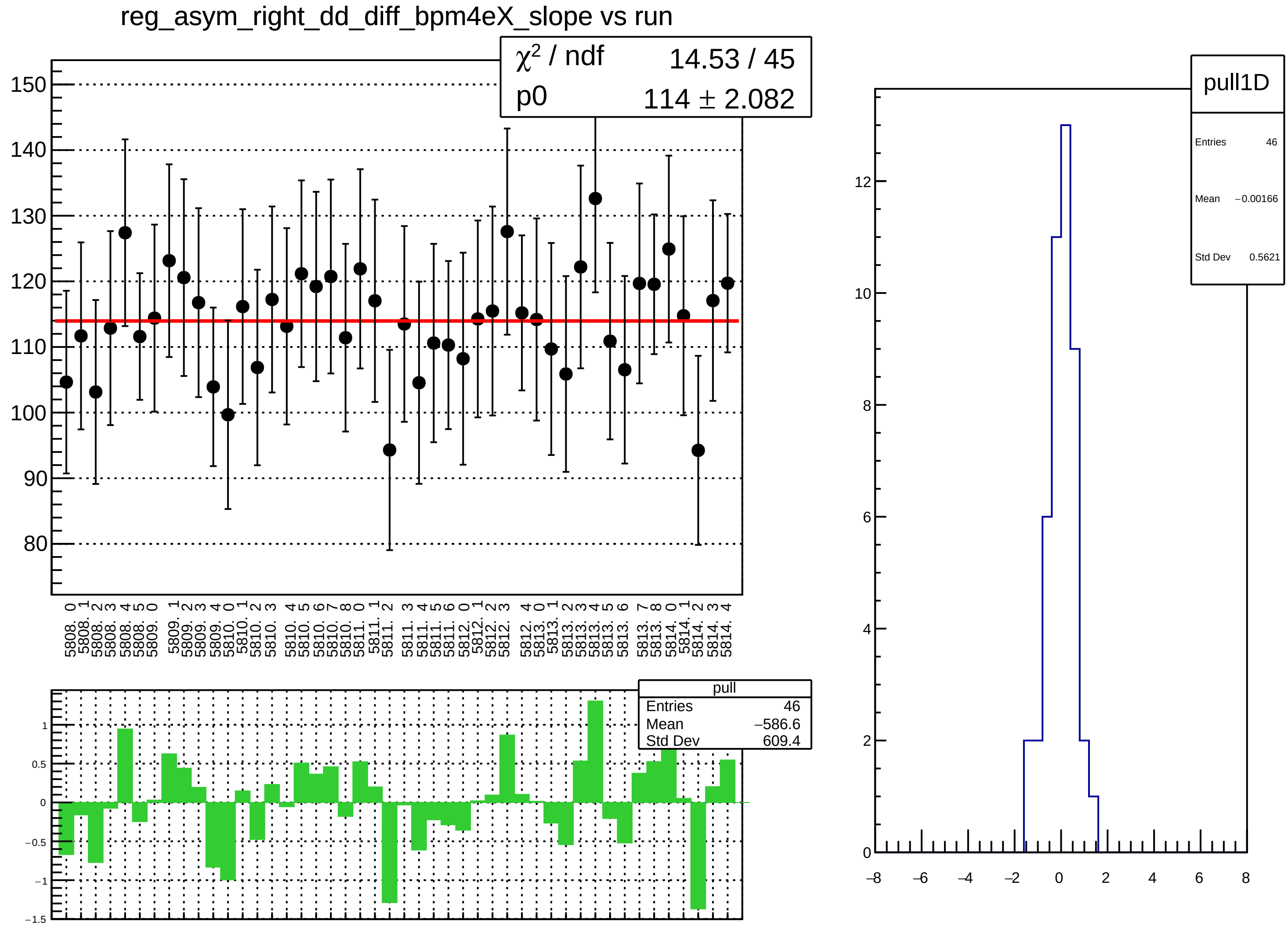

reg_asym_right_avg_diff_bpm12X_slope vs run
χ2 / ndf 24.63 / 45
p0 −20.37 ± 0.09455
pull
Entries 46
Mean 335.7
Std Dev 299.8
pull1D
Entries 46
Mean −0.002343
Std Dev 0.7317

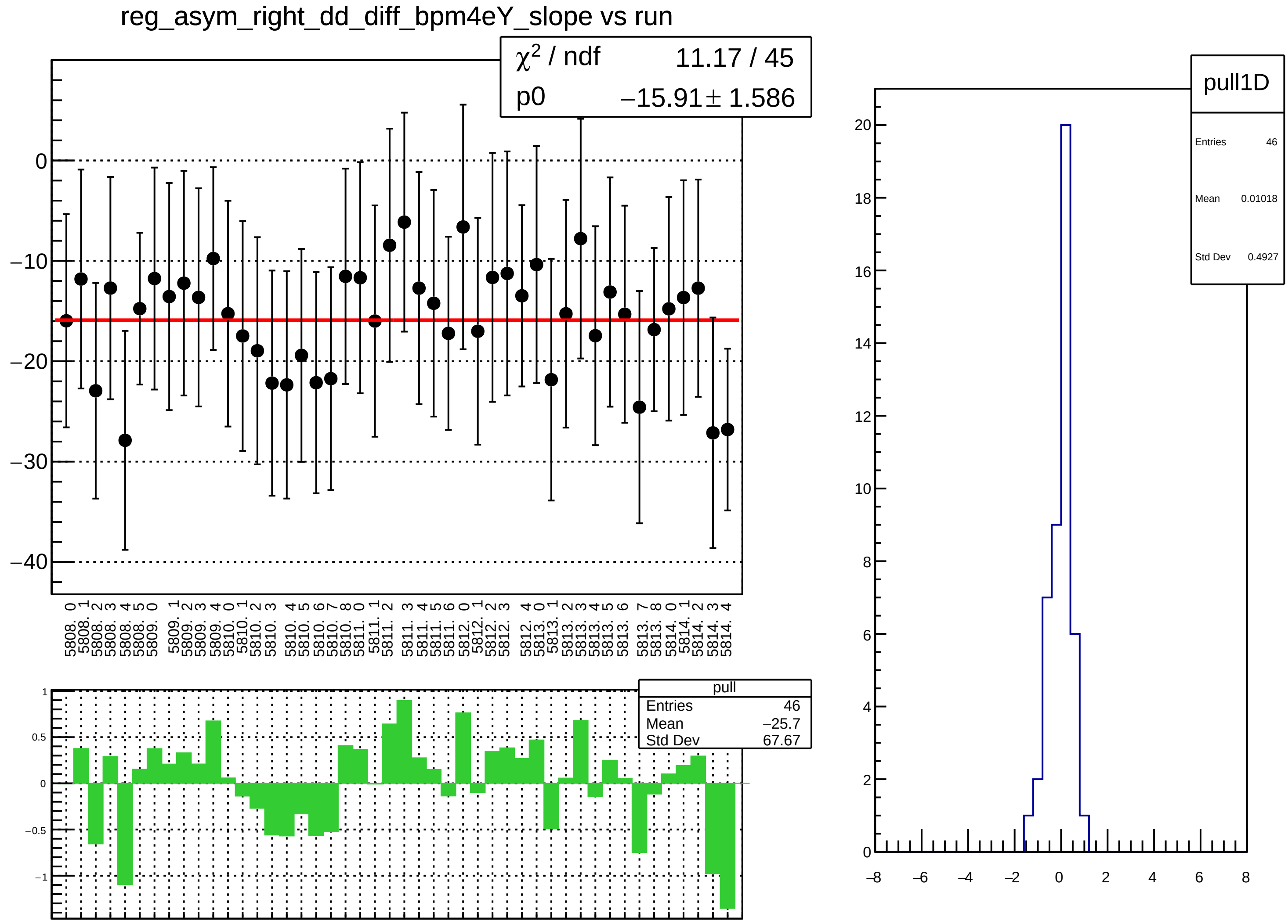


reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 14.72 / 45
p0 −61.23 ± 1.638
pull
Entries 46
Mean −380.7
Std Dev 403.5
pull1D
Entries 46
Mean 0.002587
Std Dev 0.5657

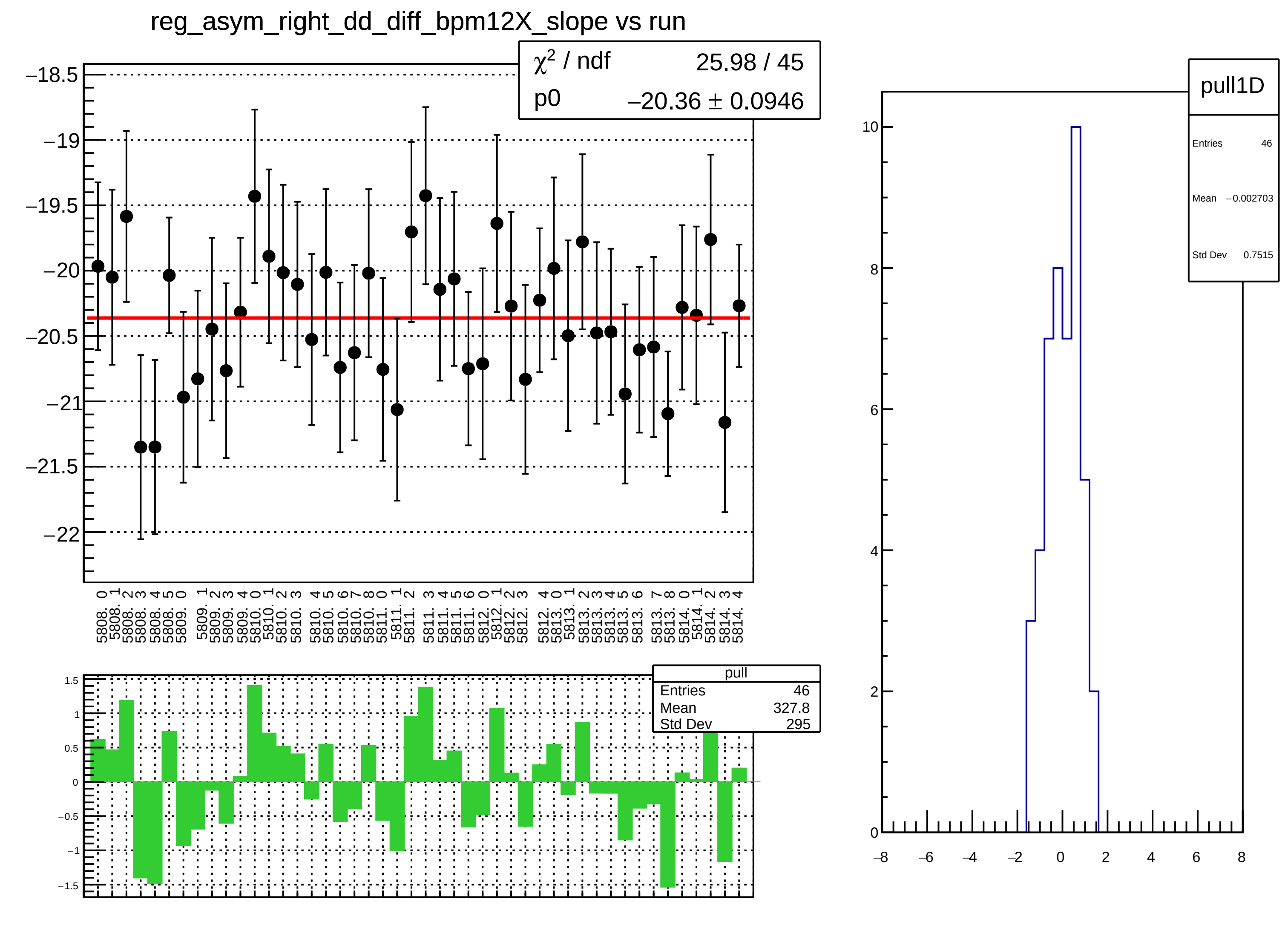


reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.23 / 45
p0 19.35 ± 1.447
pull
Entries 46
Mean 12.51
Std Dev 51.01
pull1D
Entries 46
Mean −0.008856
Std Dev 0.4715

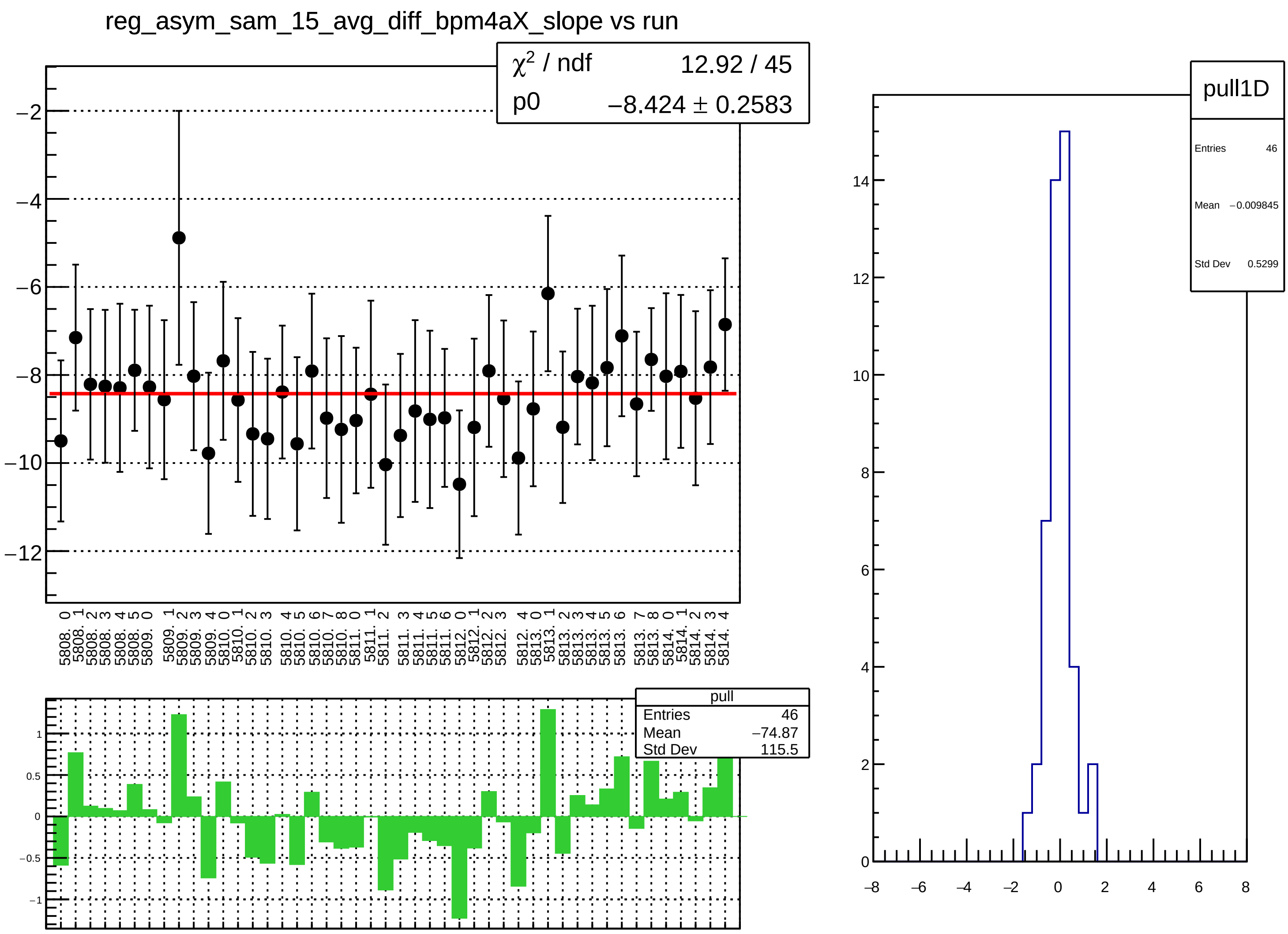

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ2 / ndf 14.53 / 45
p0 114 ± 2.082
pull
Entries 46
Mean −586.6
Std Dev 609.4
pull1D
Entries 46
Mean −0.00166
Std Dev 0.5621



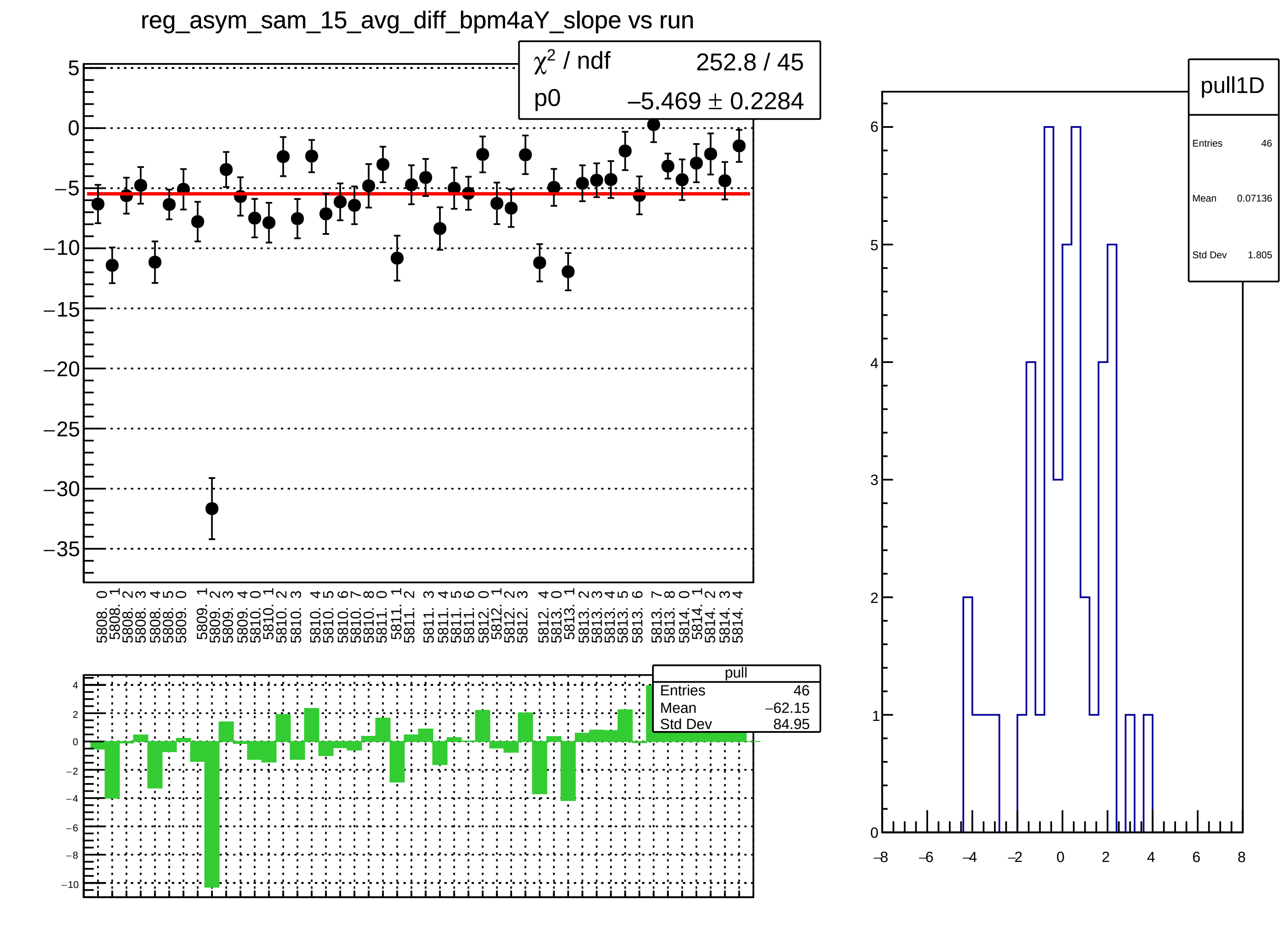
reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.17 / 45
p0 −15.91 ± 1.586
pull
Entries 46
Mean −25.7
Std Dev 67.67
pull1D
Entries 46
Mean 0.01018
Std Dev 0.4927



reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.98 / 45
p0 −20.36 ± 0.0946
pull
Entries 46
Mean 327.8
Std Dev 295
pull1D
Entries 46
Mean −0.002703
Std Dev 0.7515

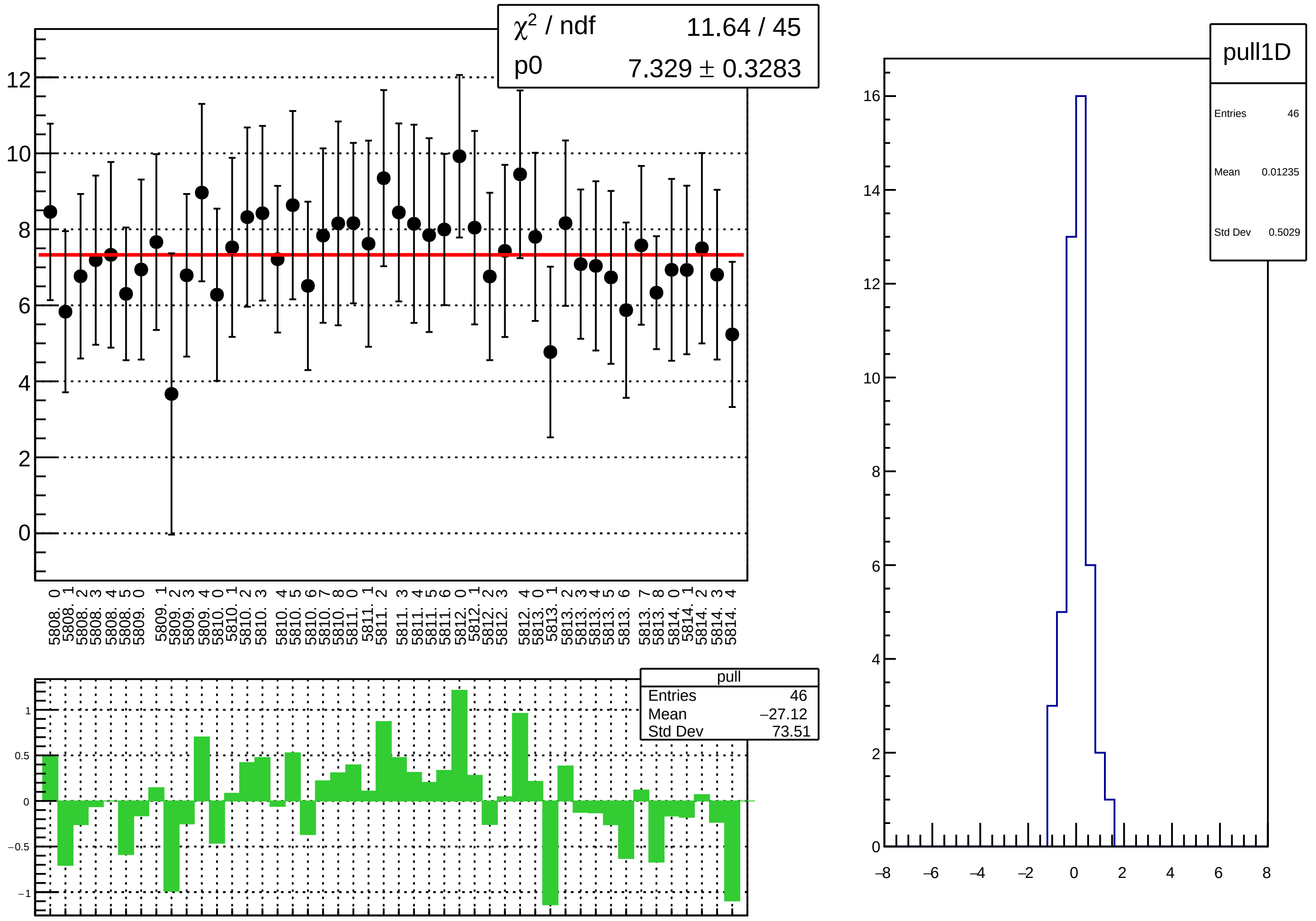


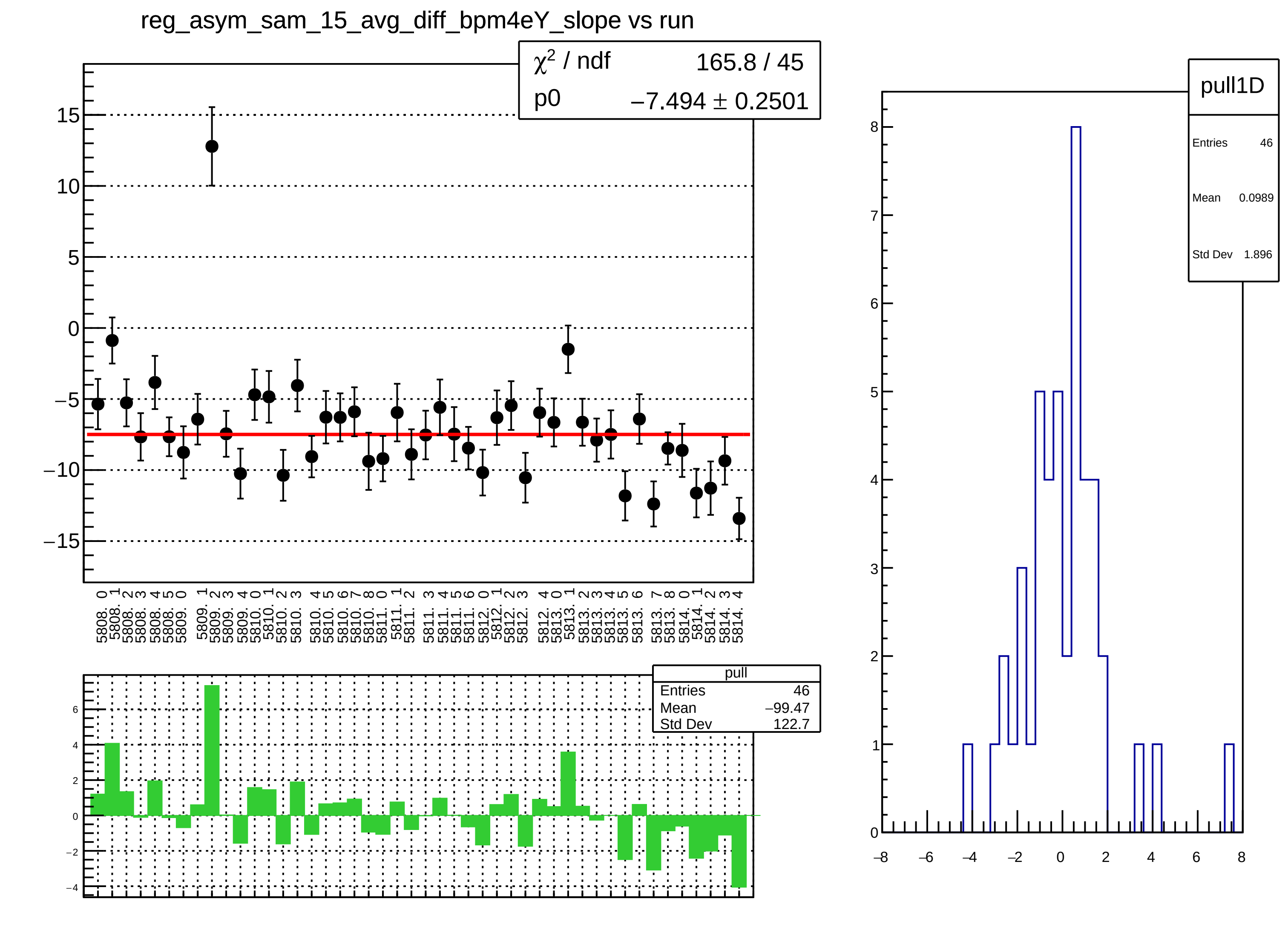
reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 12.92 / 45
p0 −8.424 ± 0.2583
pull
Entries 46
Mean −74.87
Std Dev 115.5
pull1D
Entries 46
Mean −0.009845
Std Dev 0.5299



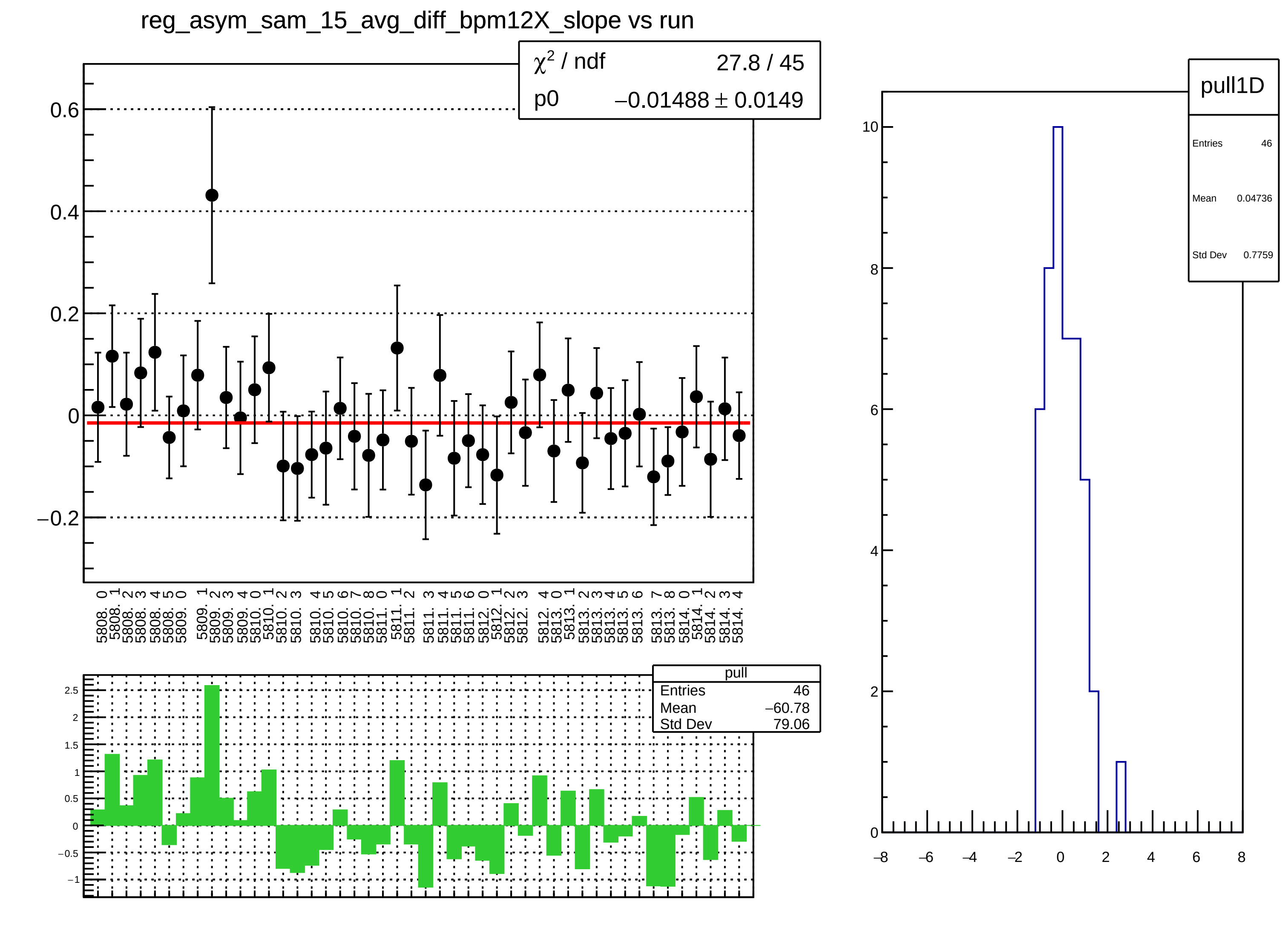
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ2 / ndf 252.8 / 45
p0 −5.469 ± 0.2284
pull
Entries 46
Mean −62.15
Std Dev 84.95
pull1D
Entries 46
Mean 0.07136
Std Dev 1.805

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

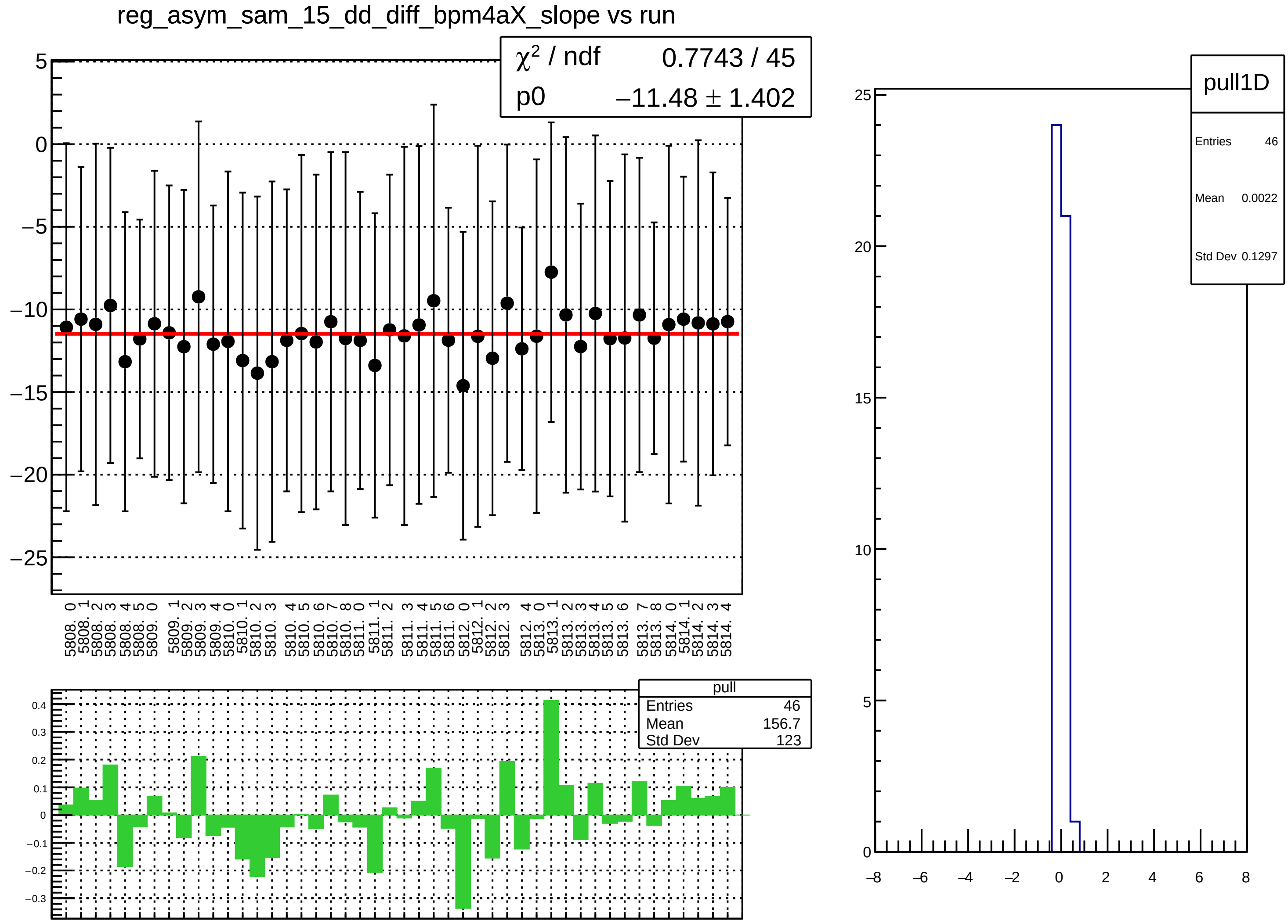




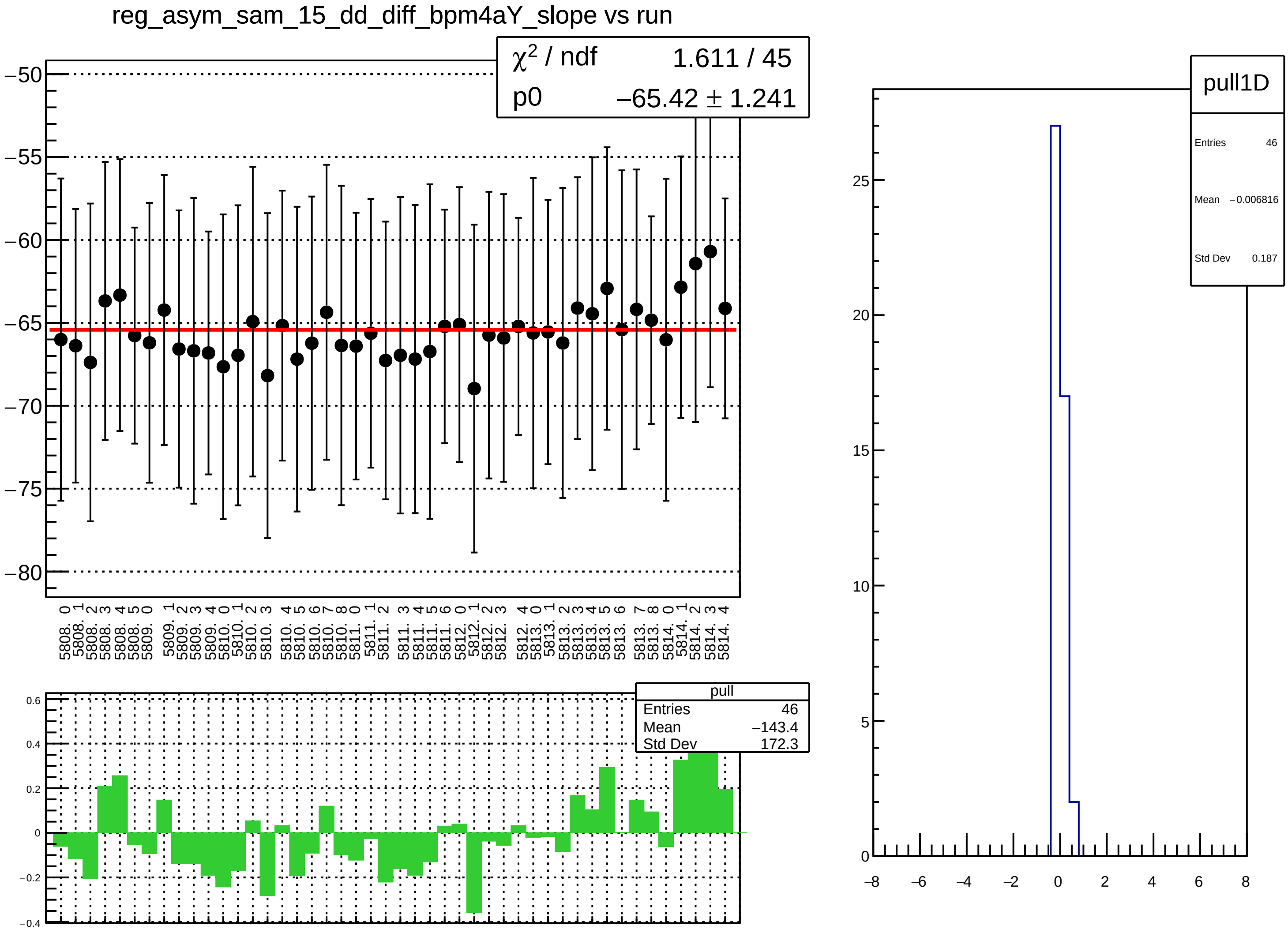
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 165.8 / 45
p0 −7.494 ± 0.2501
pull
Entries 46
Mean −99.47
Std Dev 122.7
pull1D
Entries 46
Mean 0.0989
Std Dev 1.896



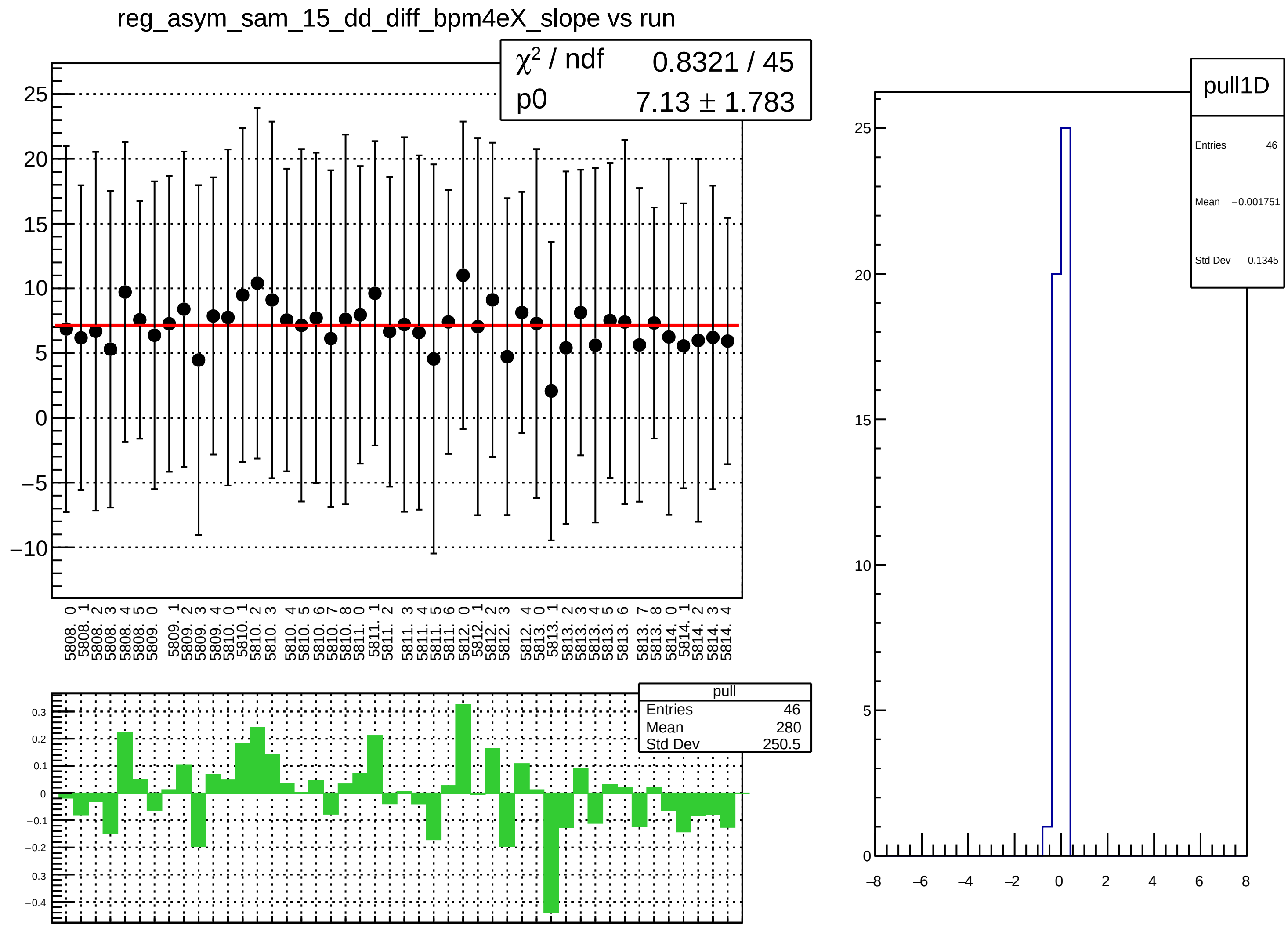
reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 27.8 / 45
p0 −0.01488 ± 0.0149
pull
Entries 46
Mean −60.78
Std Dev 79.06
pull1D
Entries 46
Mean 0.04736
Std Dev 0.7759



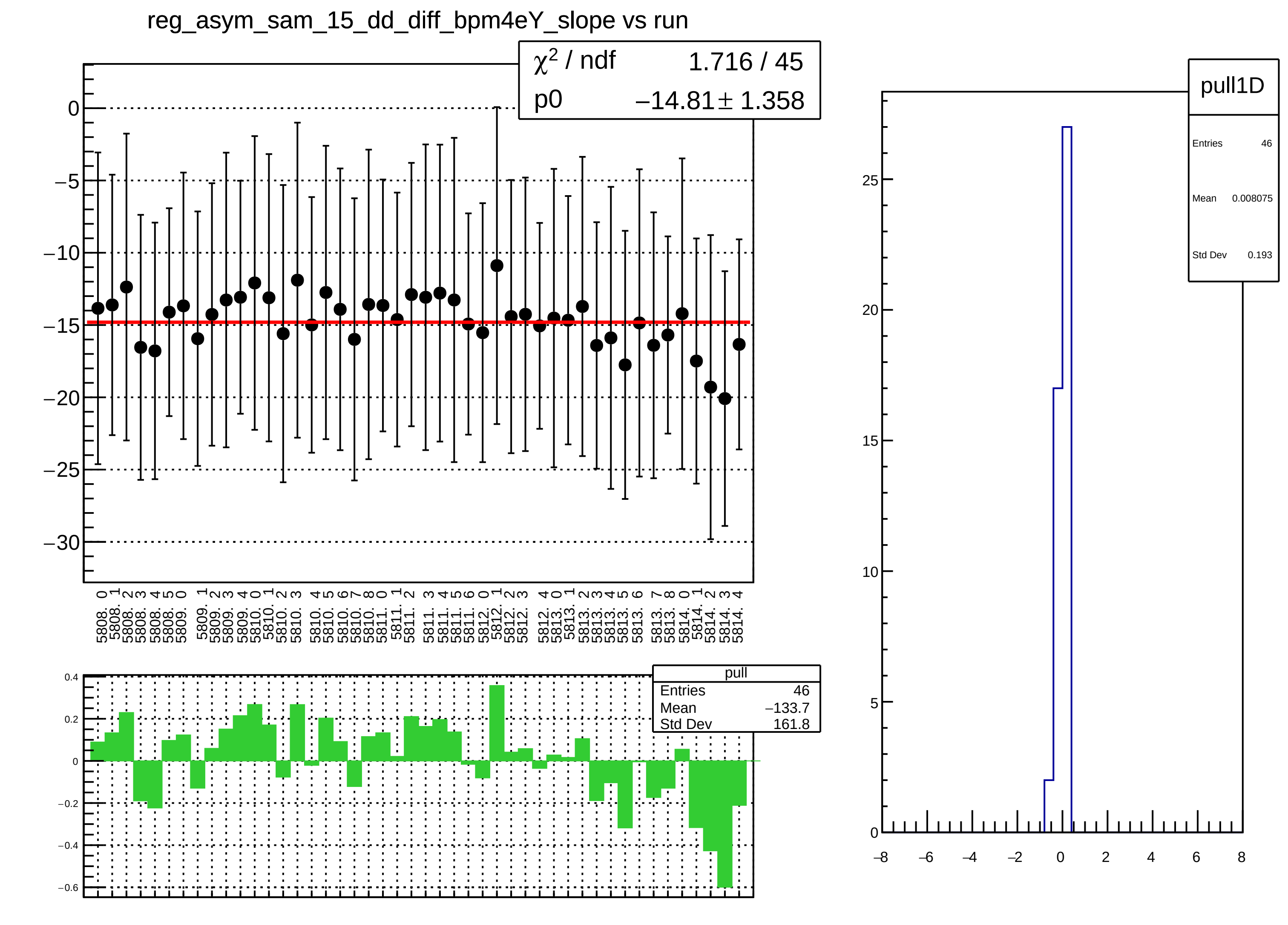
reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 0.7743 / 45
p0 −11.48 ± 1.402
pull
Entries 46
Mean 156.7
Std Dev 123
pull1D
Entries 46
Mean 0.0022
Std Dev 0.1297



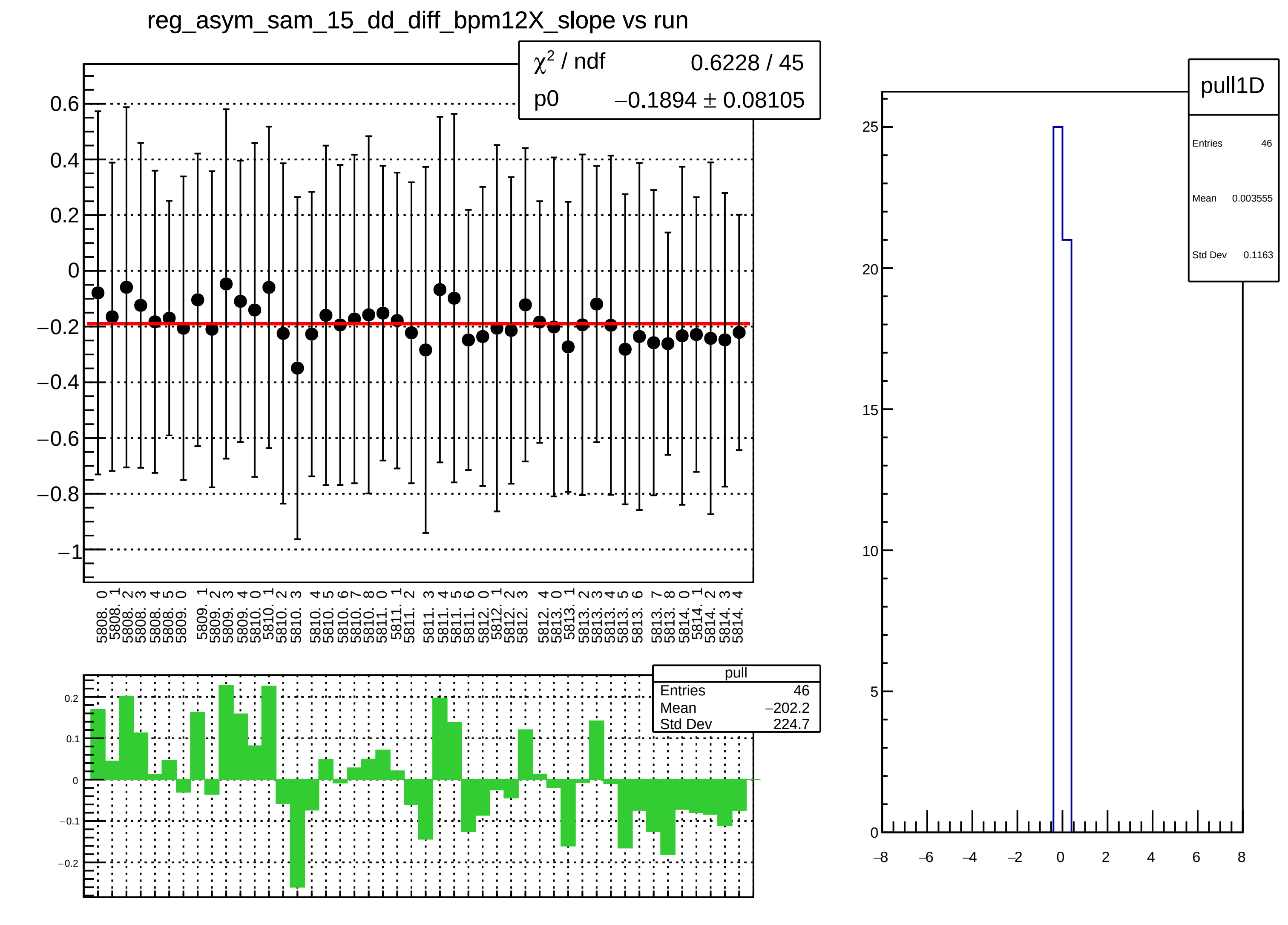
reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ2 / ndf 1.611 / 45
p0 −65.42 ± 1.241
pull
Entries 46
Mean −143.4
Std Dev 172.3
pull1D
Entries 46
Mean −0.006816
Std Dev 0.187

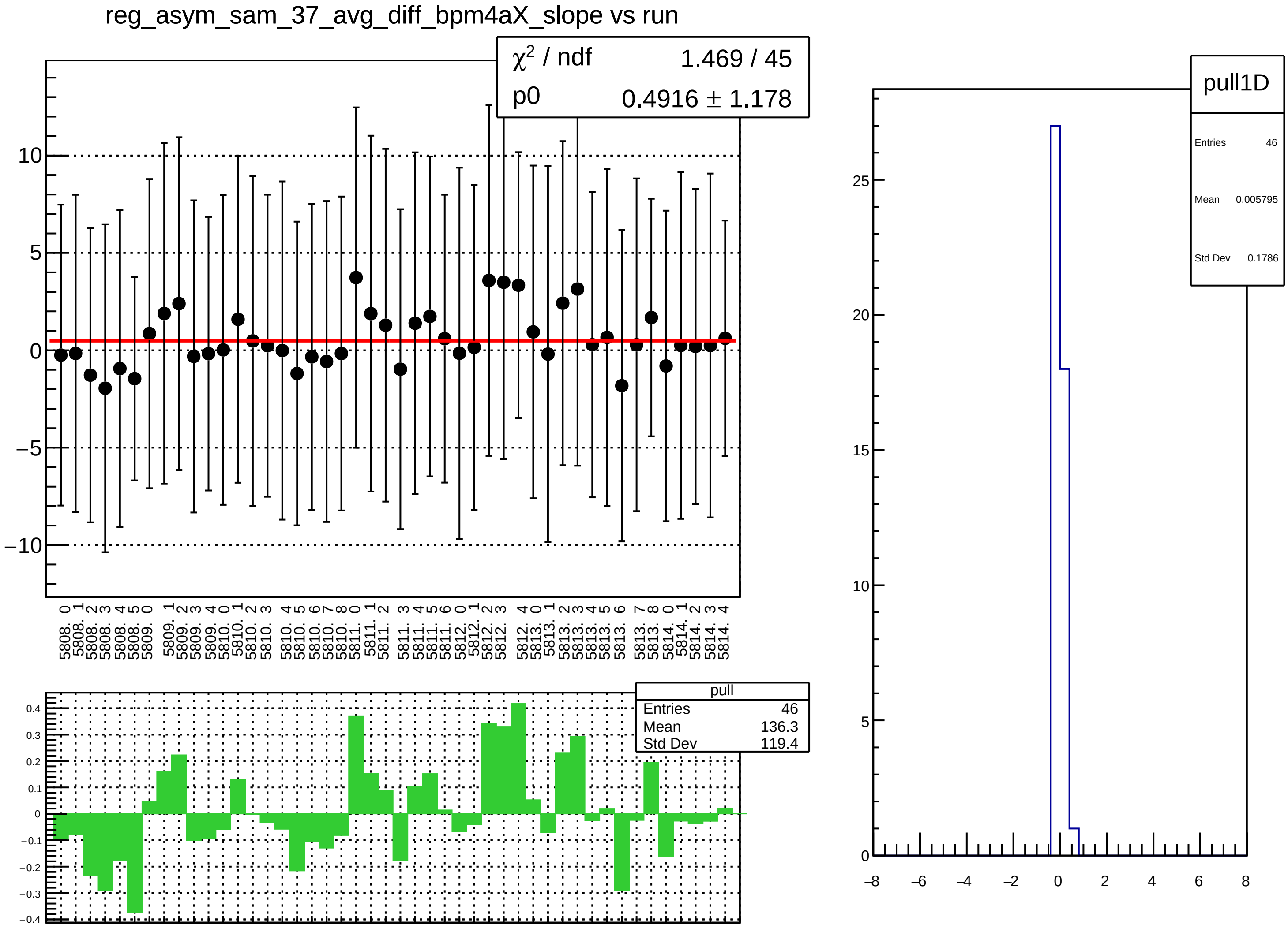


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.8321 / 45
p0 7.13 ± 1.783
pull
Entries 46
Mean 280
Std Dev 250.5
pull1D
Entries 46
Mean −0.001751
Std Dev 0.1345

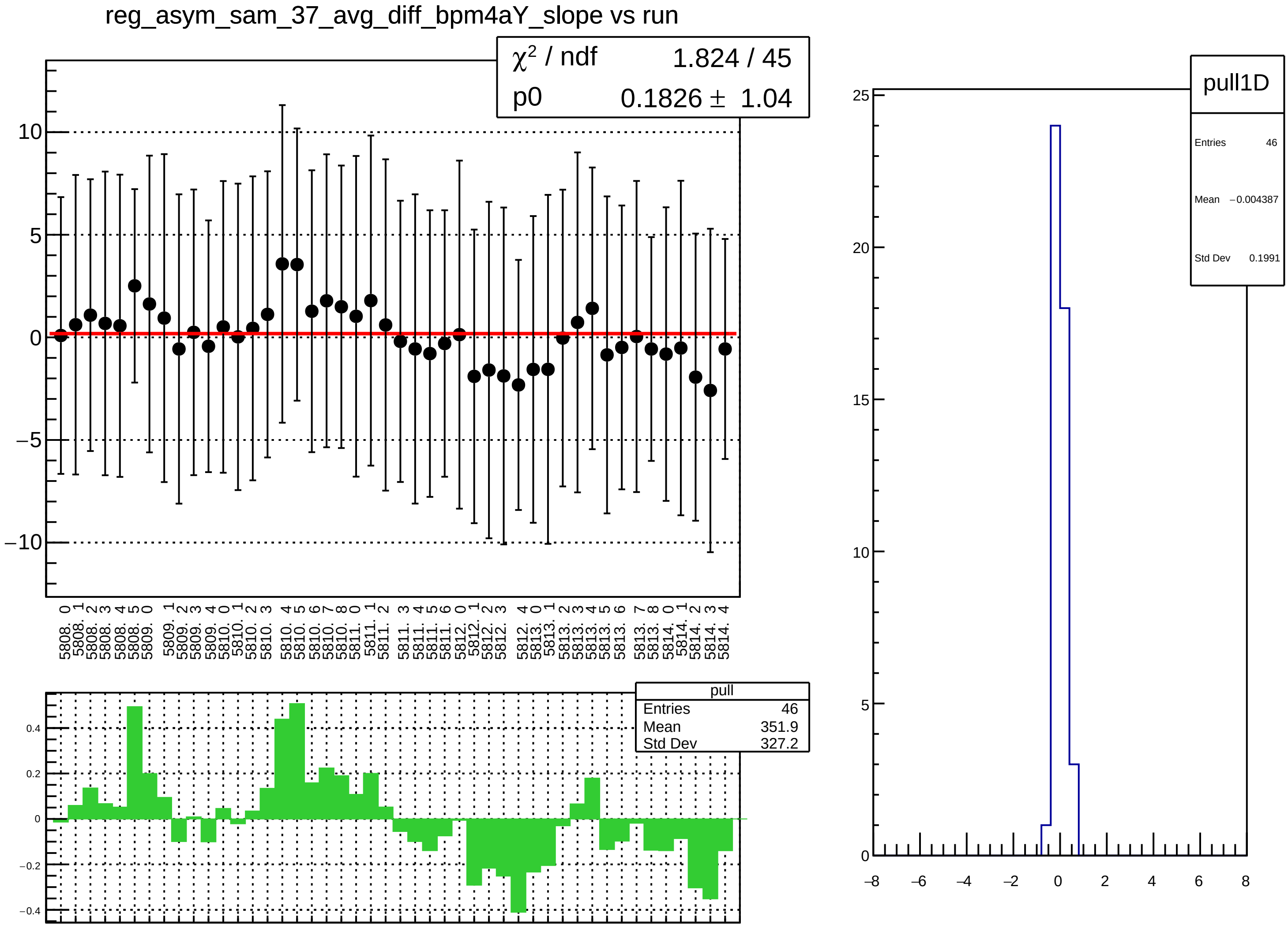


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.716 / 45
p0 −14.81 ± 1.358
pull
Entries 46
Mean −133.7
Std Dev 161.8
pull1D
Entries 46
Mean 0.008075
Std Dev 0.193

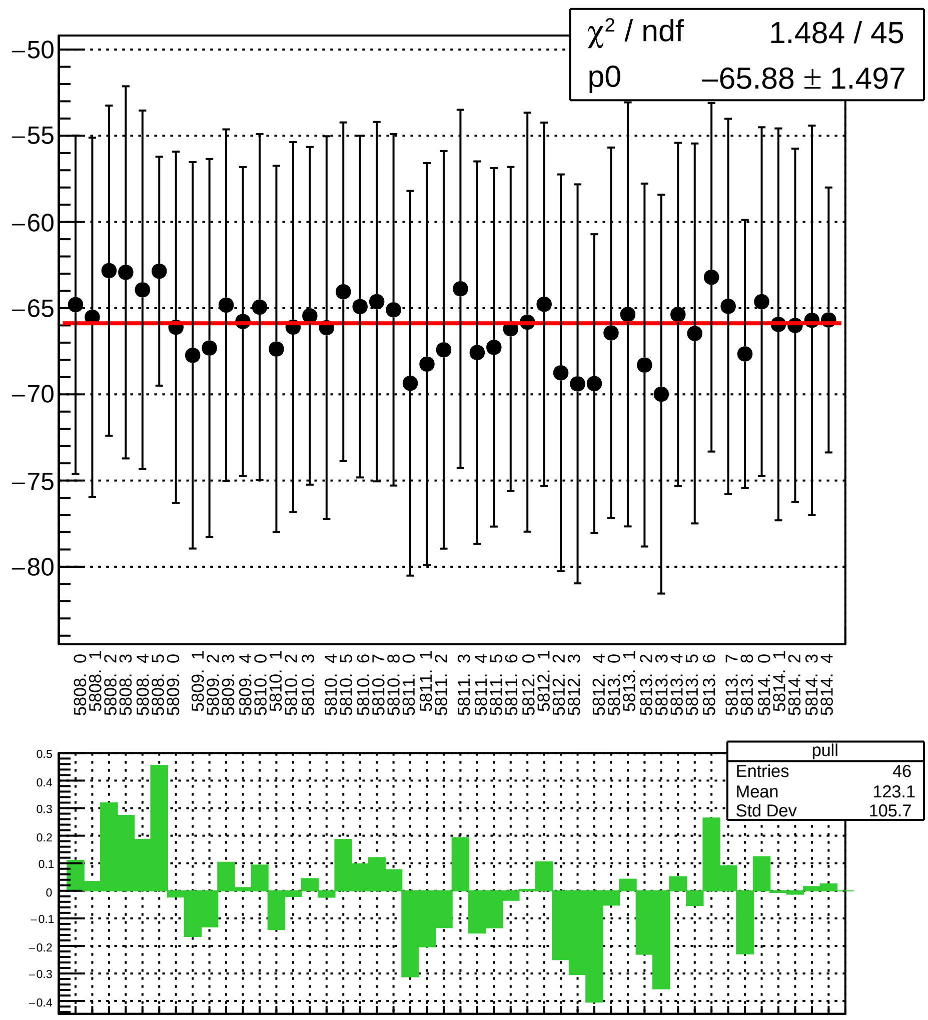

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ2 / ndf 0.6228 / 45
p0 −0.1894 ± 0.08105
pull
Entries 46
Mean −202.2
Std Dev 224.7
pull1D
Entries 46
Mean 0.003555
Std Dev 0.1163

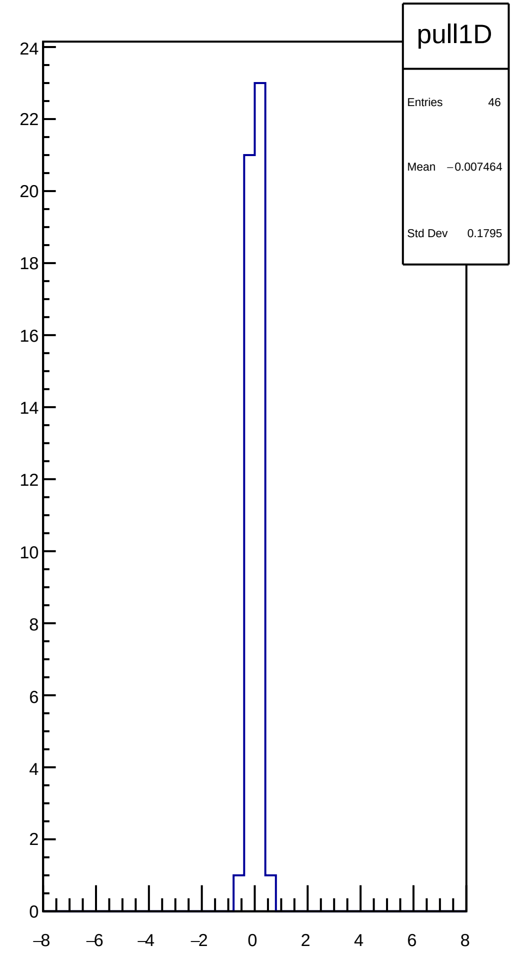


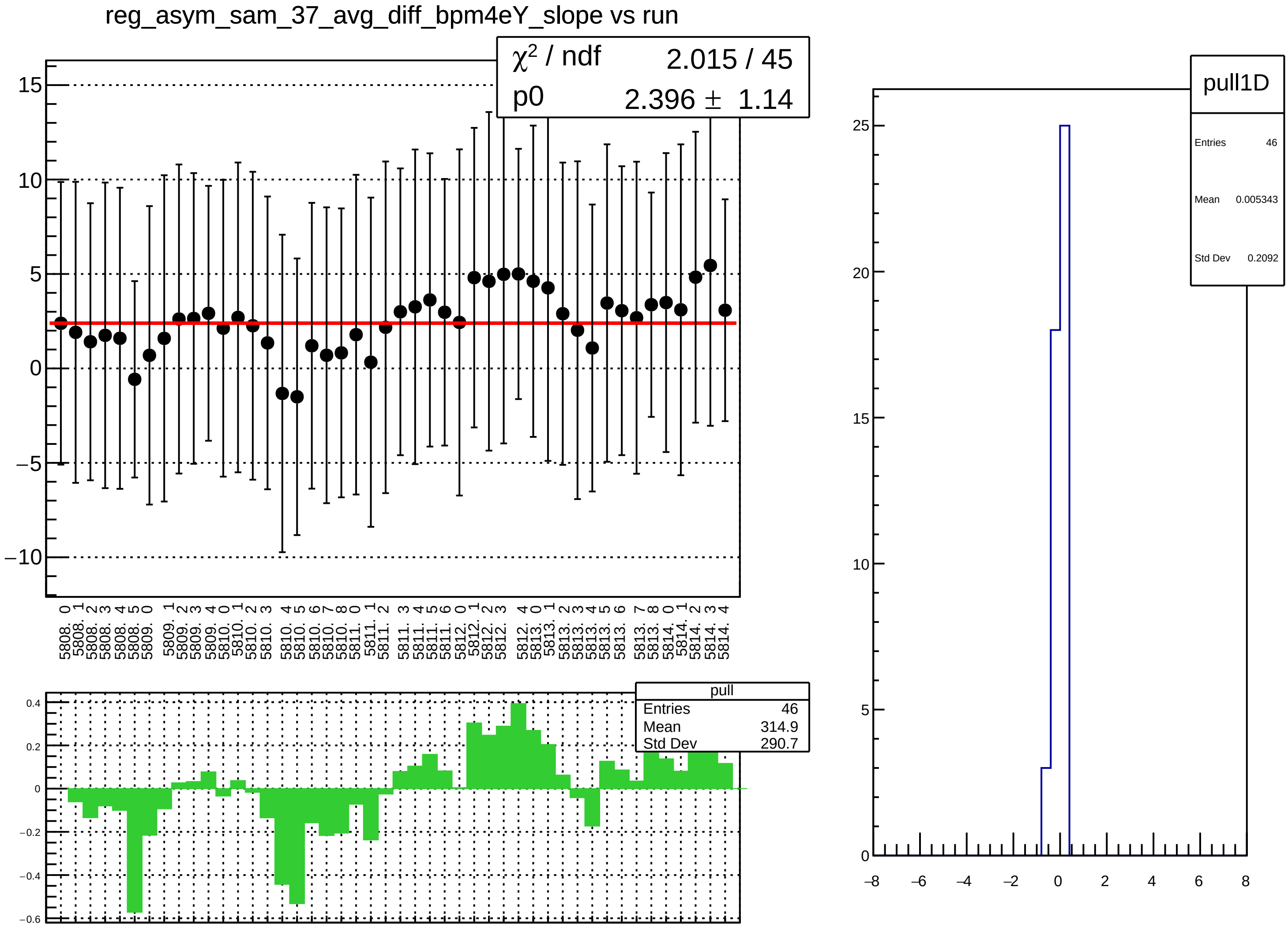
reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 1.469 / 45
p0 0.4916 ± 1.178
pull
Entries 46
Mean 136.3
Std Dev 119.4
pull1D
Entries 46
Mean 0.005795
Std Dev 0.1786


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.824 / 45
p0 0.1826 ± 1.04
pull
Entries 46
Mean 351.9
Std Dev 327.2
pull1D
Entries 46
Mean −0.004387
Std Dev 0.1991

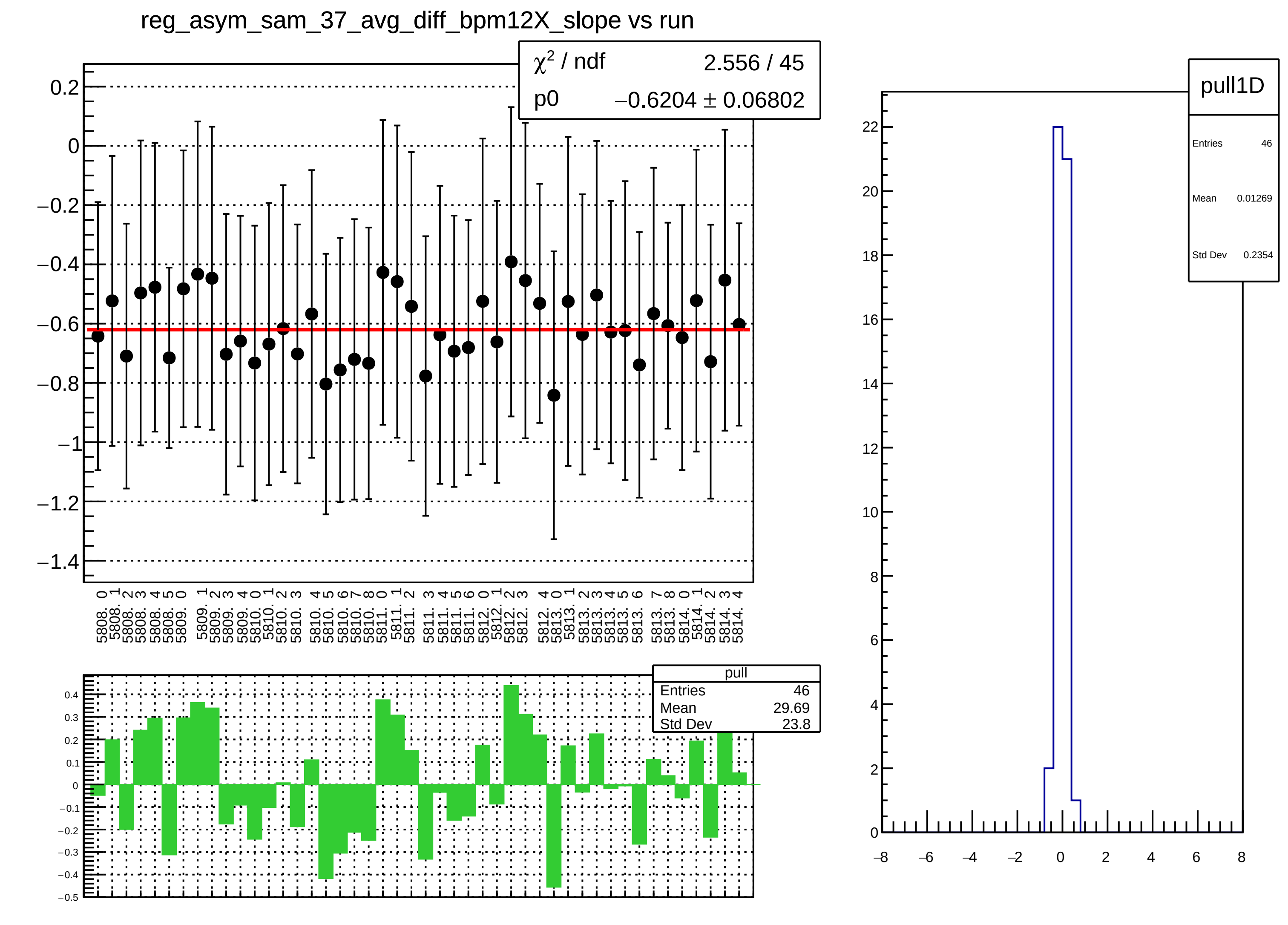
reg_asym_sam_37_avg_diff_bpm4eX_slope vs run



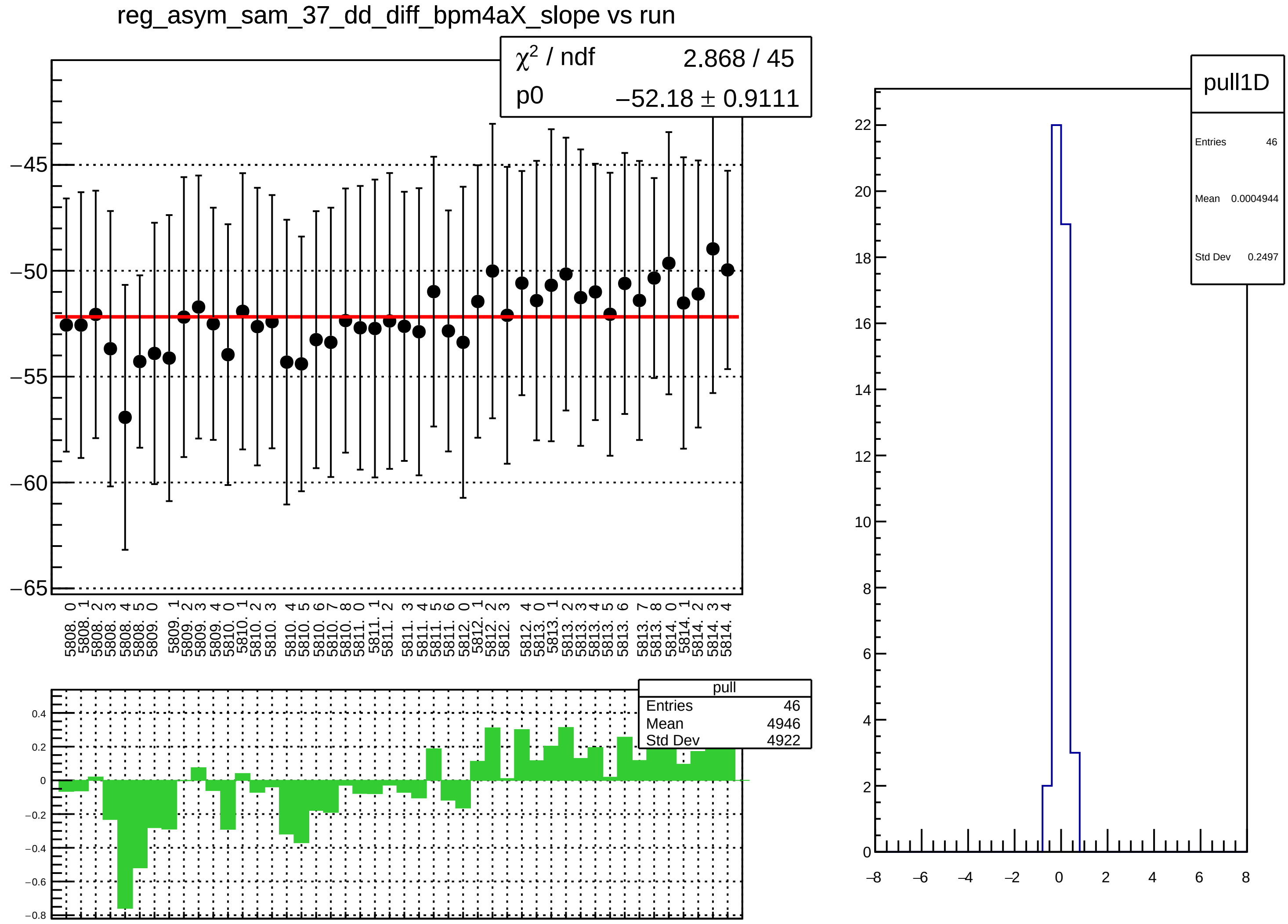




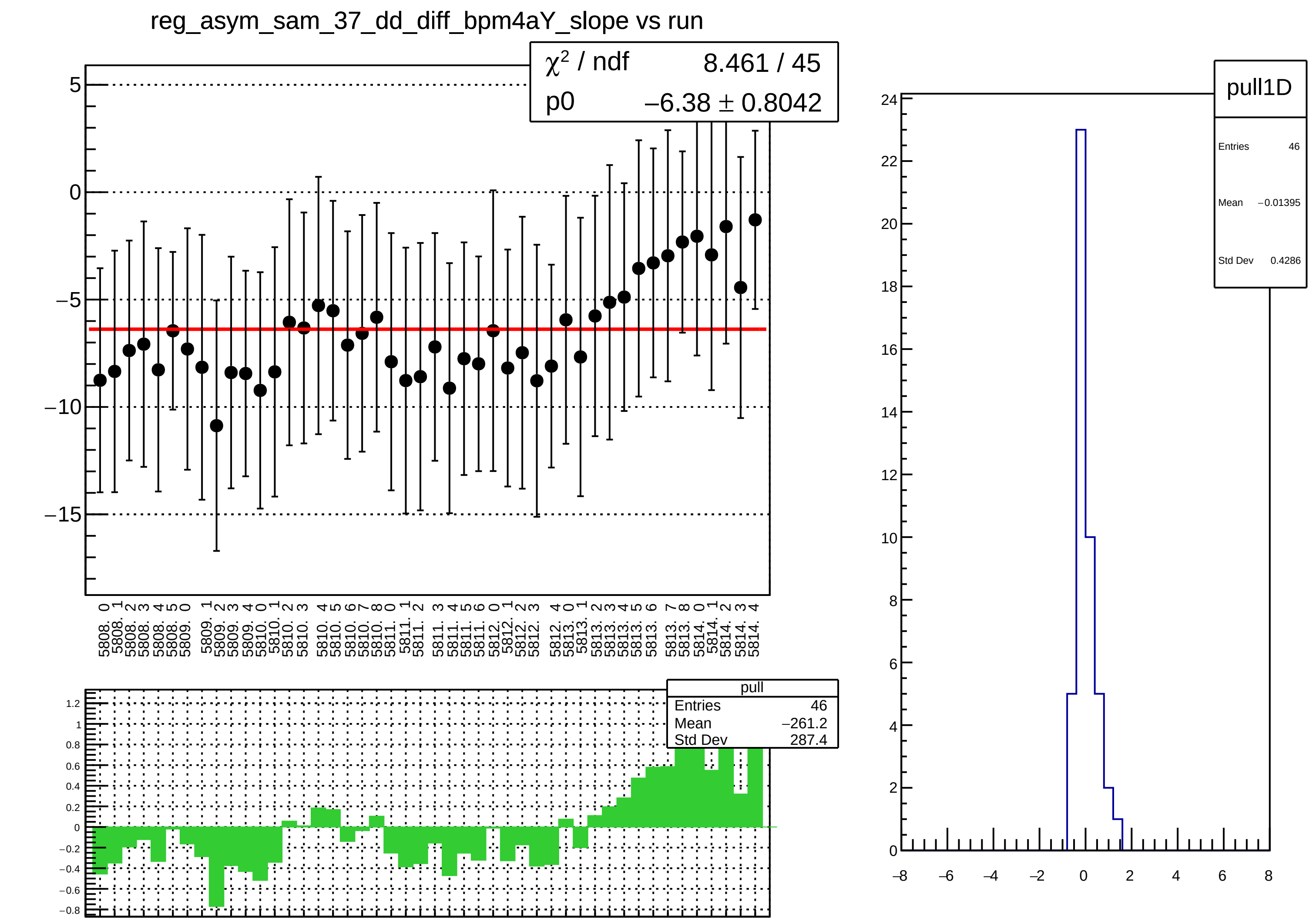
reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.015 / 45
p0 2.396 ± 1.14
pull
Entries 46
Mean 314.9
Std Dev 290.7
pull1D
Entries 46
Mean 0.005343
Std Dev 0.2092



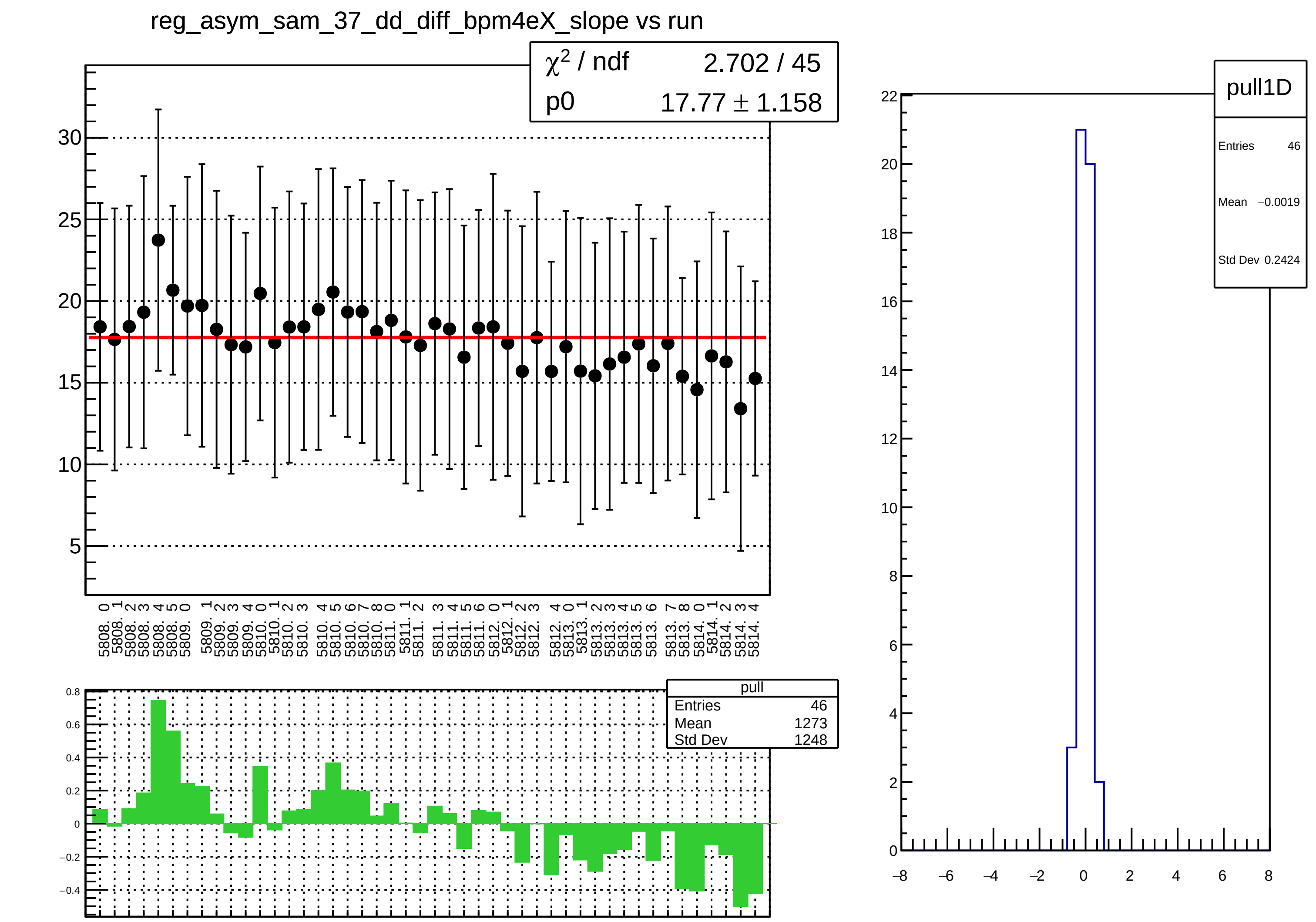
reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.556 / 45
p0 −0.6204 ± 0.06802
pull
Entries 46
Mean 29.69
Std Dev 23.8
pull1D
Entries 46
Mean 0.01269
Std Dev 0.2354



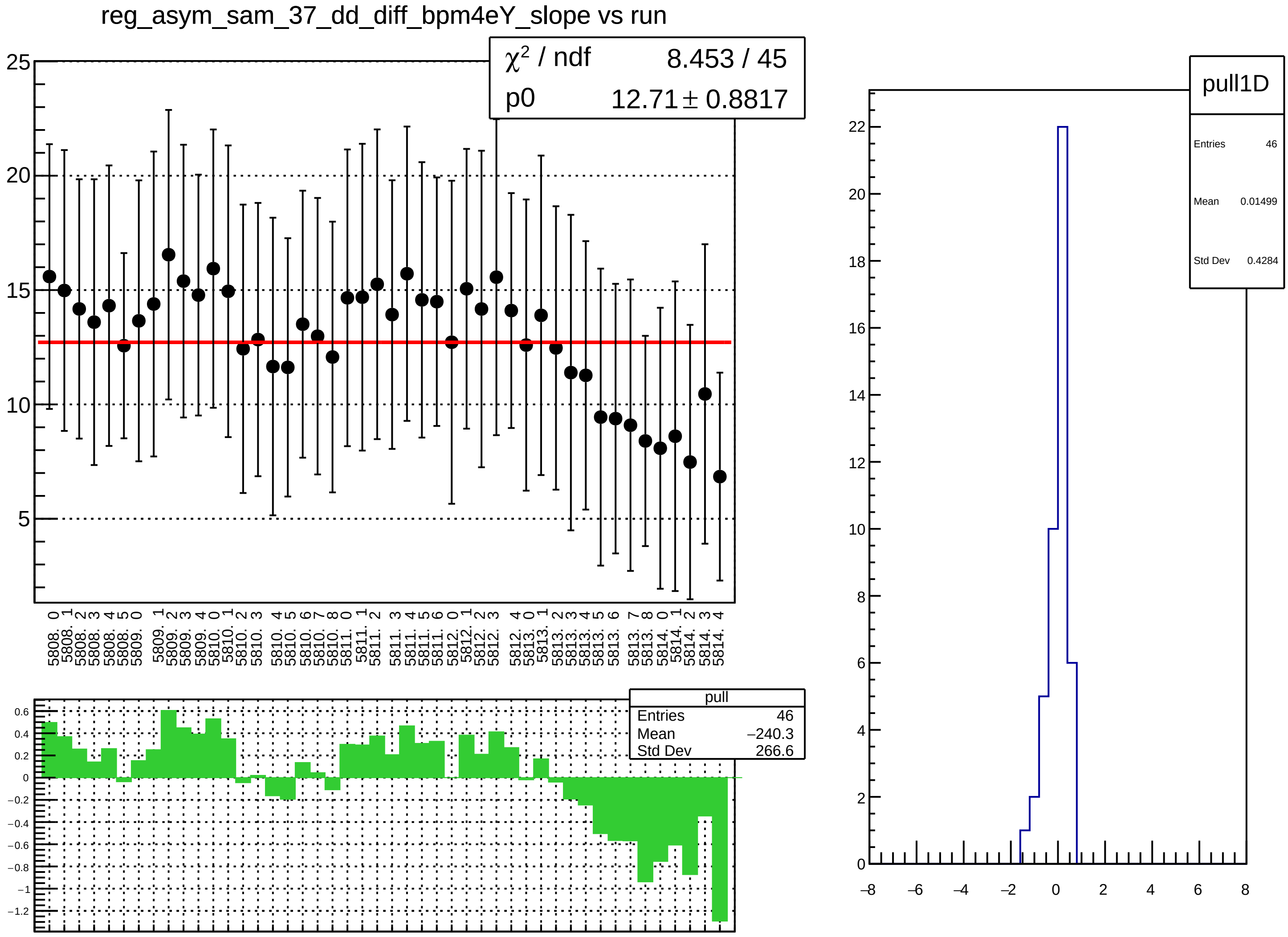
reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 2.868 / 45
p0 −52.18 ± 0.9111
pull
Entries 46
Mean 4946
Std Dev 4922
pull1D
Entries 46
Mean 0.0004944
Std Dev 0.2497



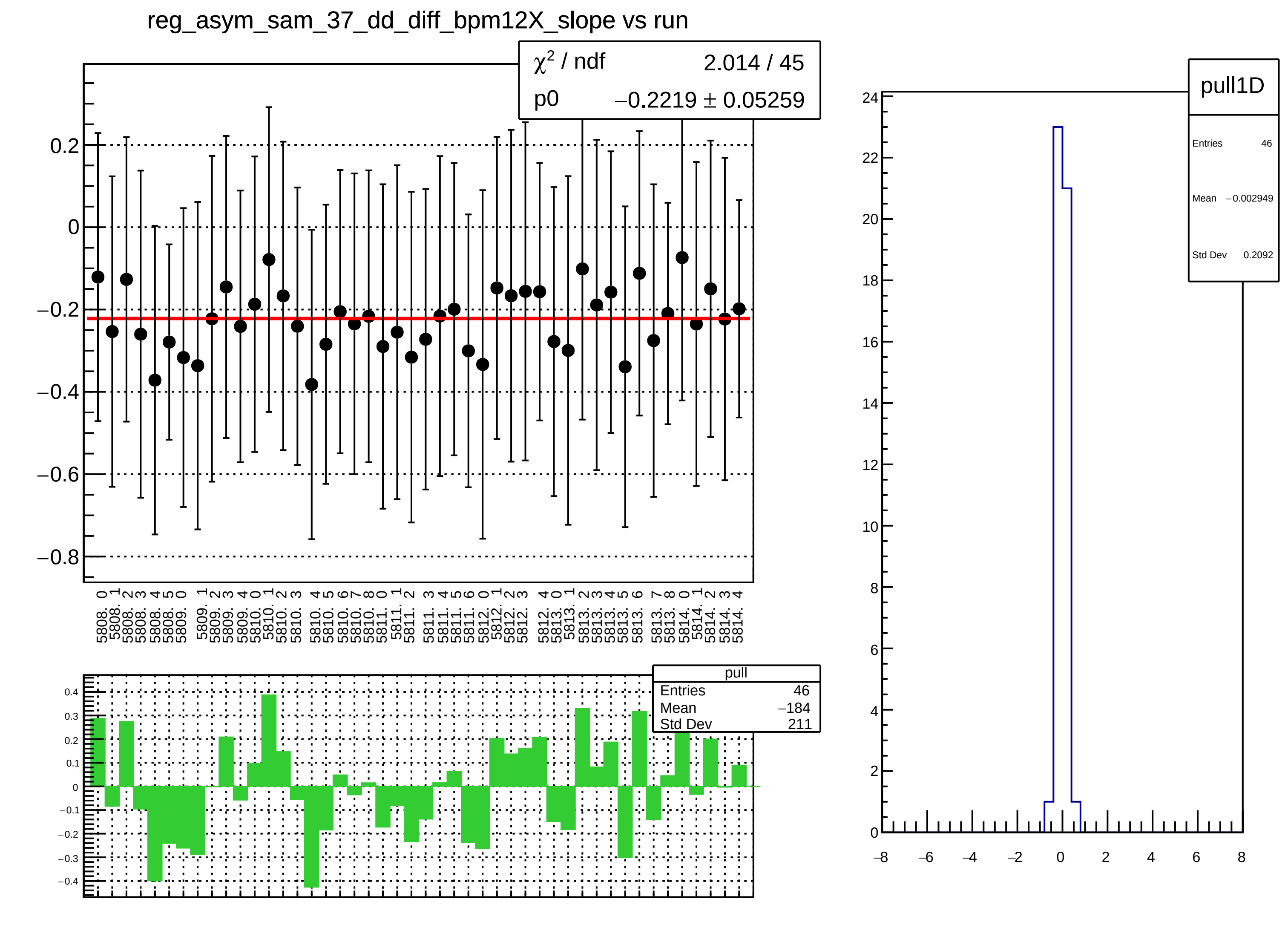
reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ2 / ndf 8.461 / 45
p0 −6.38 ± 0.8042
pull
Entries 46
Mean −261.2
Std Dev 287.4
pull1D
Entries 46
Mean −0.01395
Std Dev 0.4286

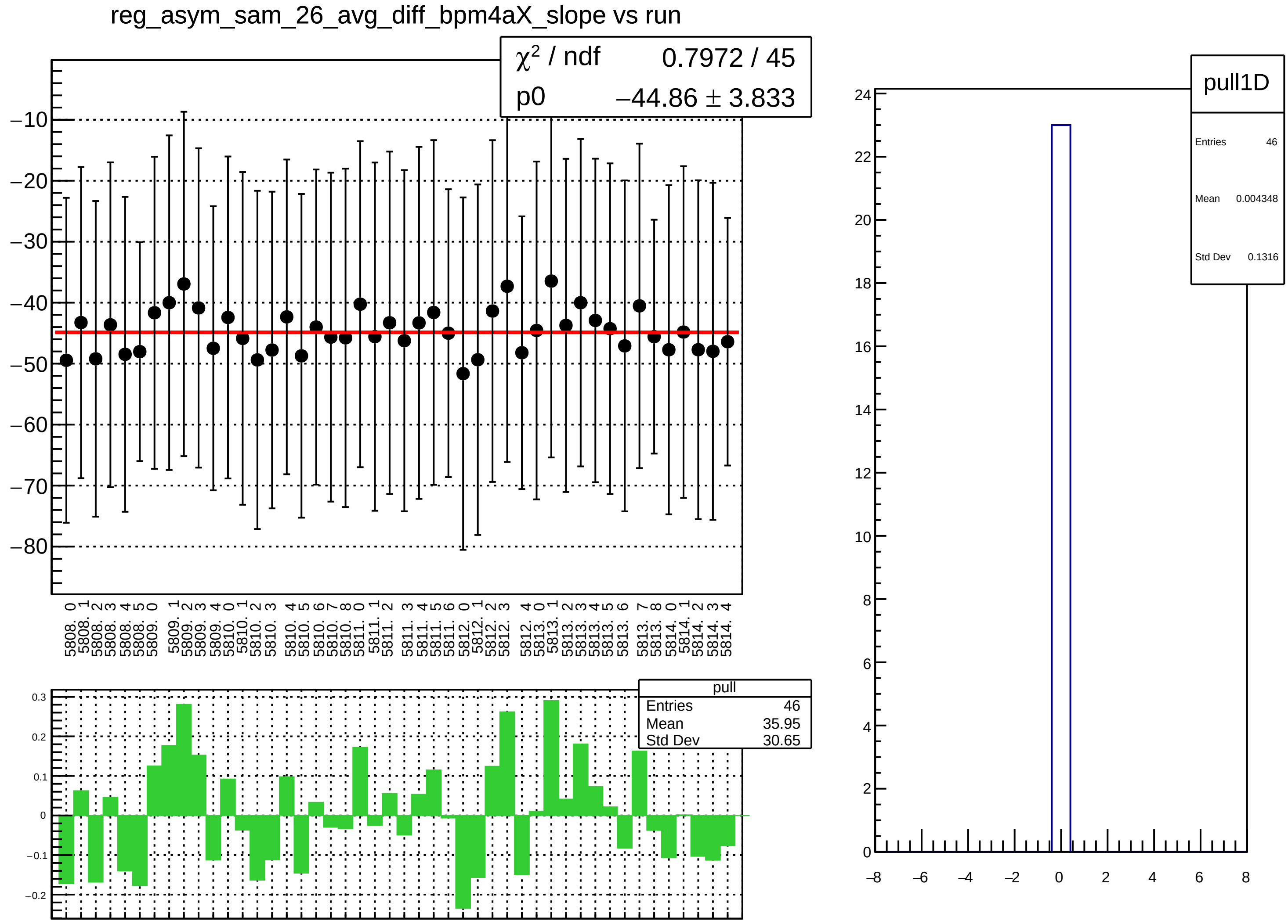


reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.702 / 45
p0 17.77 ± 1.158
pull
Entries 46
Mean 1273
Std Dev 1248
pull1D
Entries 46
Mean −0.0019
Std Dev 0.2424



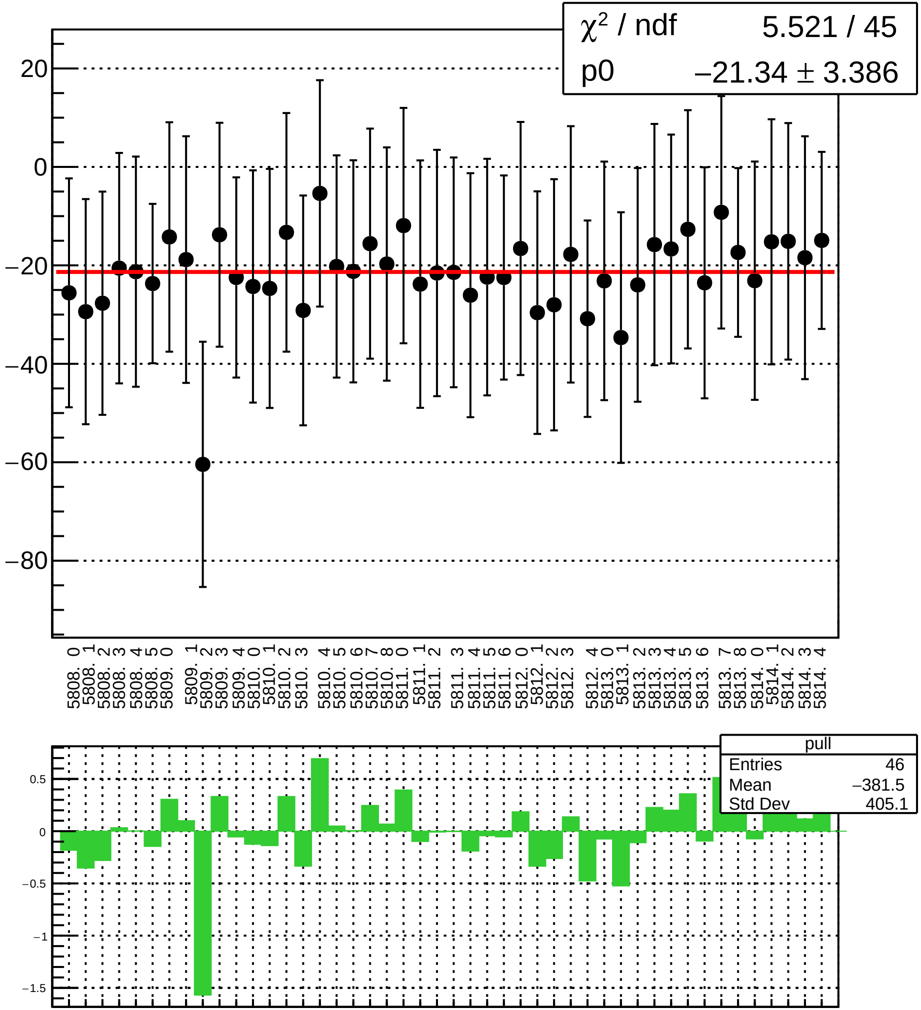
reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 8.453 / 45
p0 12.71 ± 0.8817
pull
Entries 46
Mean −240.3
Std Dev 266.6
pull1D
Entries 46
Mean 0.01499
Std Dev 0.4284

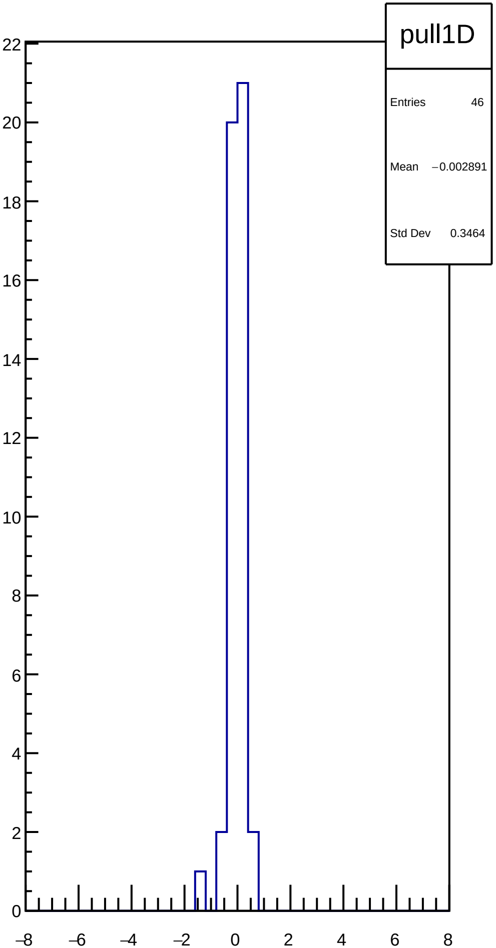

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 2.014 / 45
p0 −0.2219 ± 0.05259
pull
Entries 46
Mean −184
Std Dev 211
pull1D
Entries 46
Mean −0.002949
Std Dev 0.2092

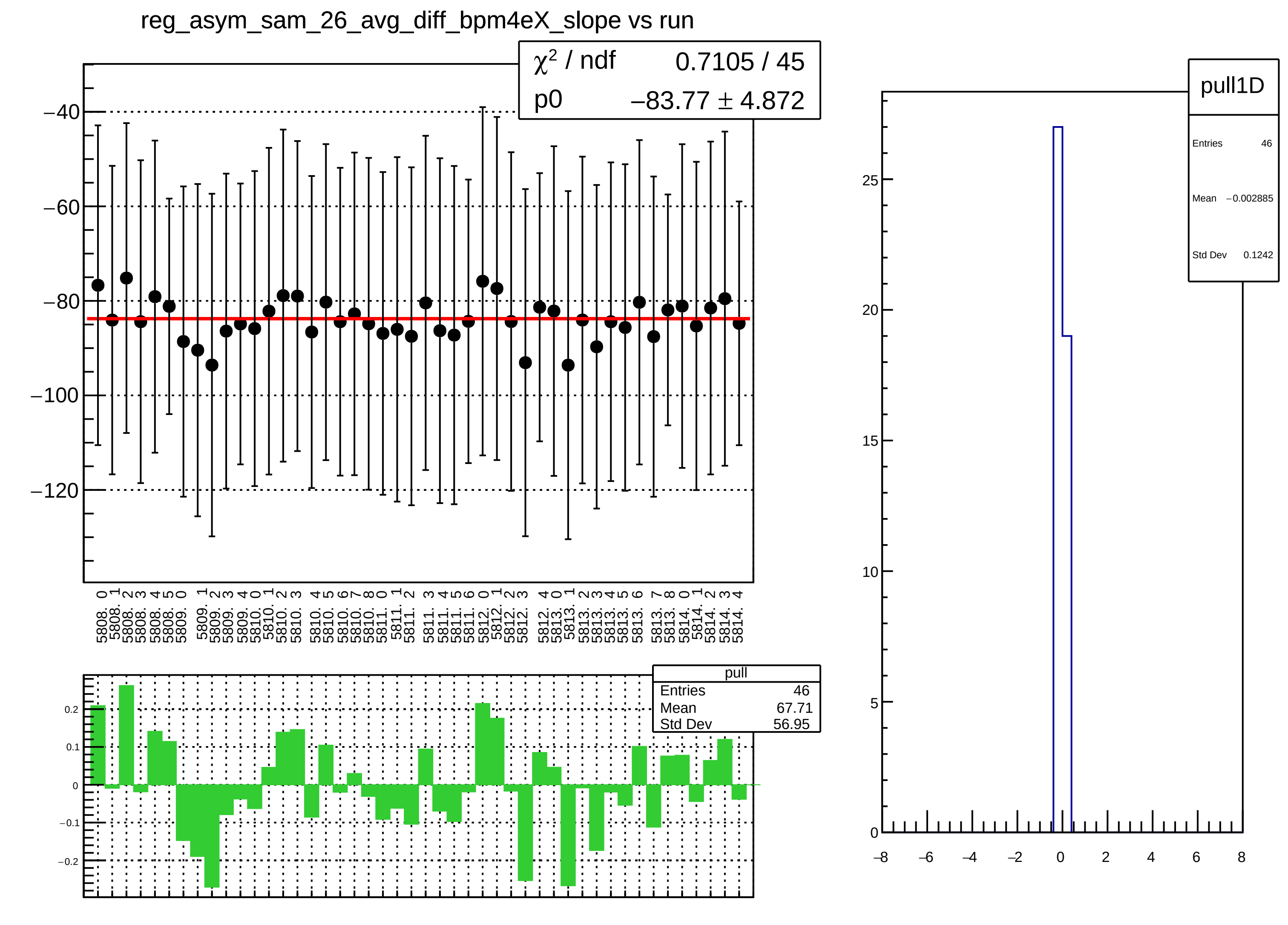


reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 0.7972 / 45
p0 −44.86 ± 3.833
pull
Entries 46
Mean 35.95
Std Dev 30.65
pull1D
Entries 46
Mean 0.004348
Std Dev 0.1316

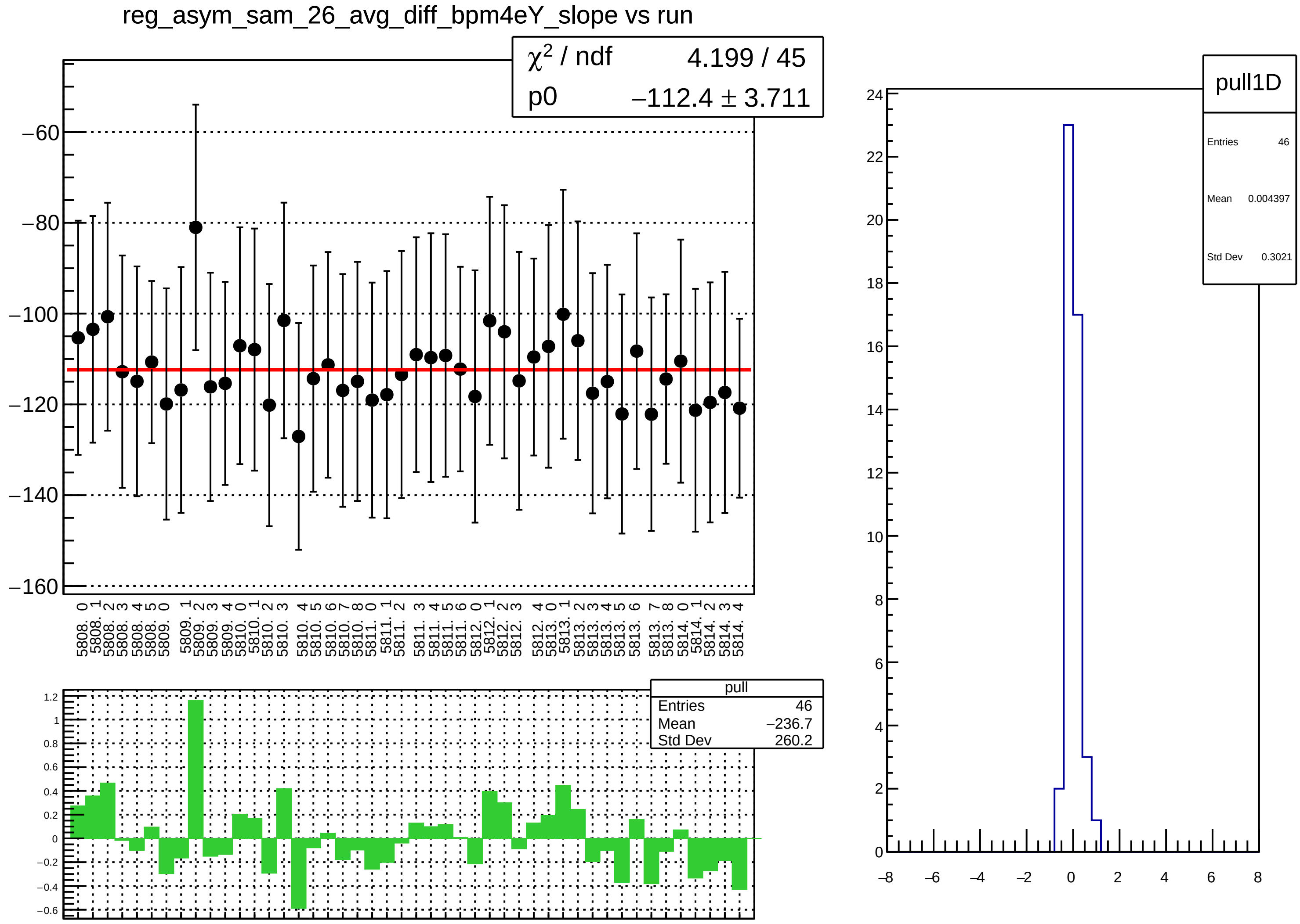
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run



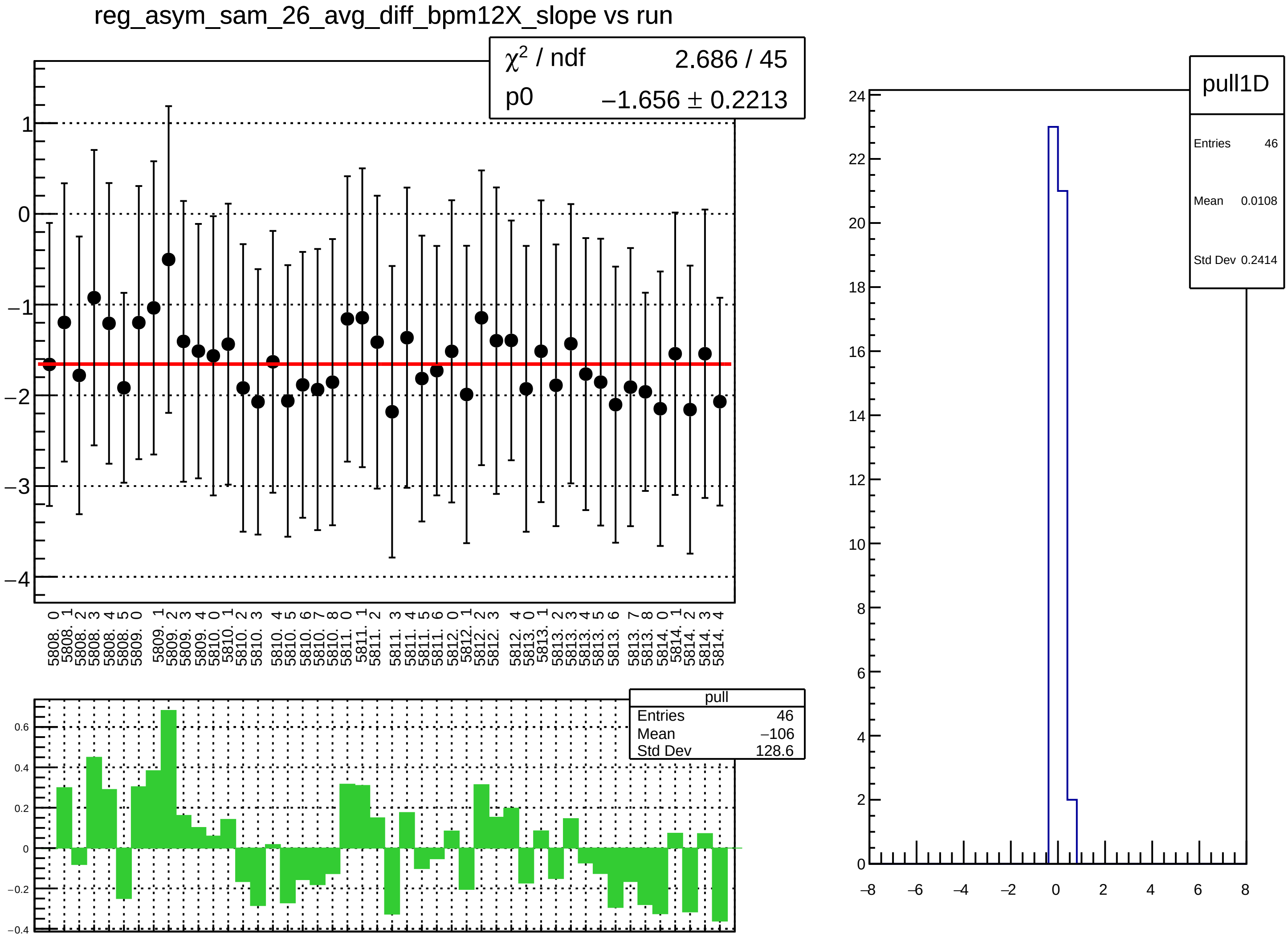




reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ2 / ndf 0.7105 / 45
p0 −83.77 ± 4.872
pull
Entries 46
Mean 67.71
Std Dev 56.95
pull1D
Entries 46
Mean −0.002885
Std Dev 0.1242

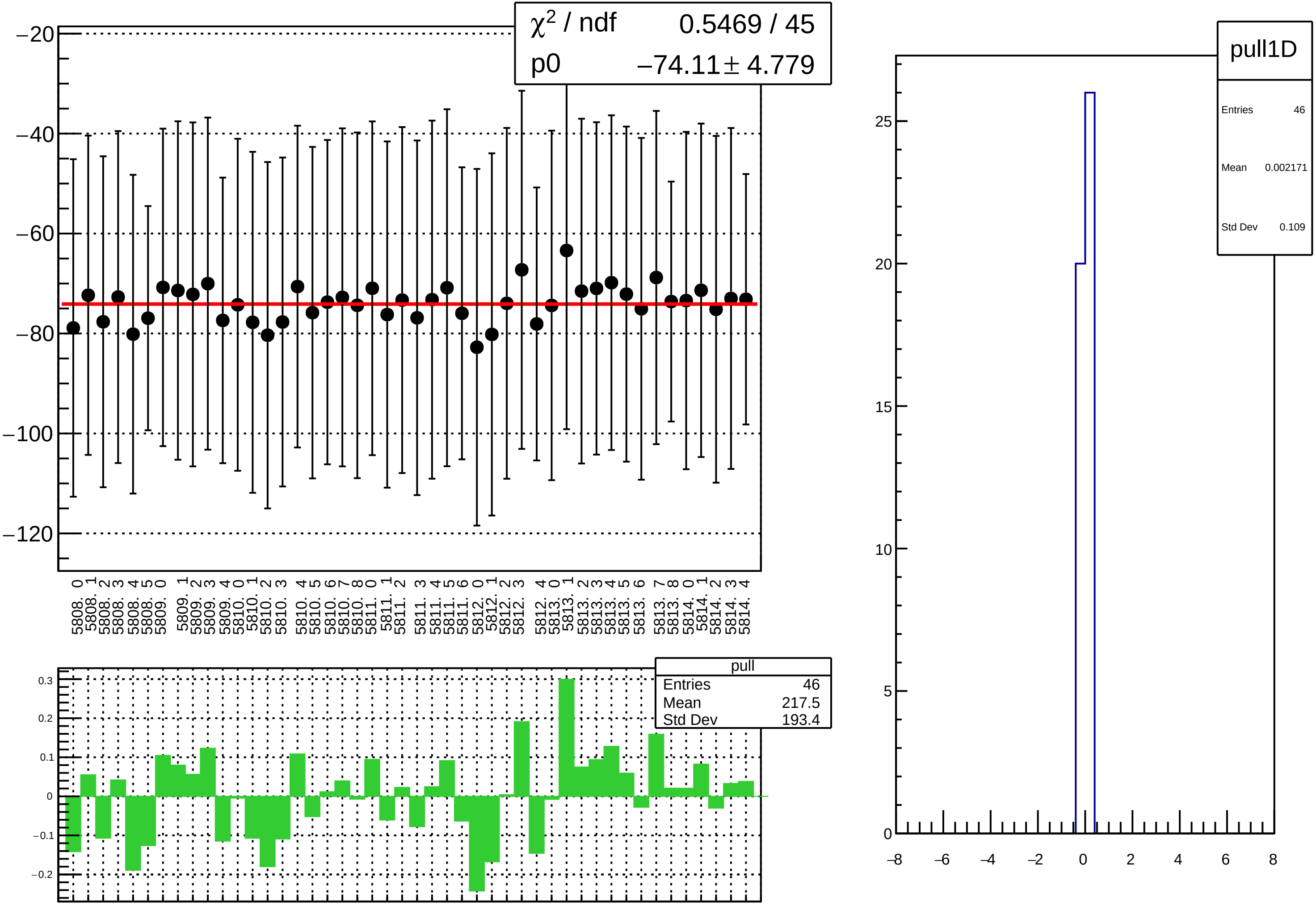


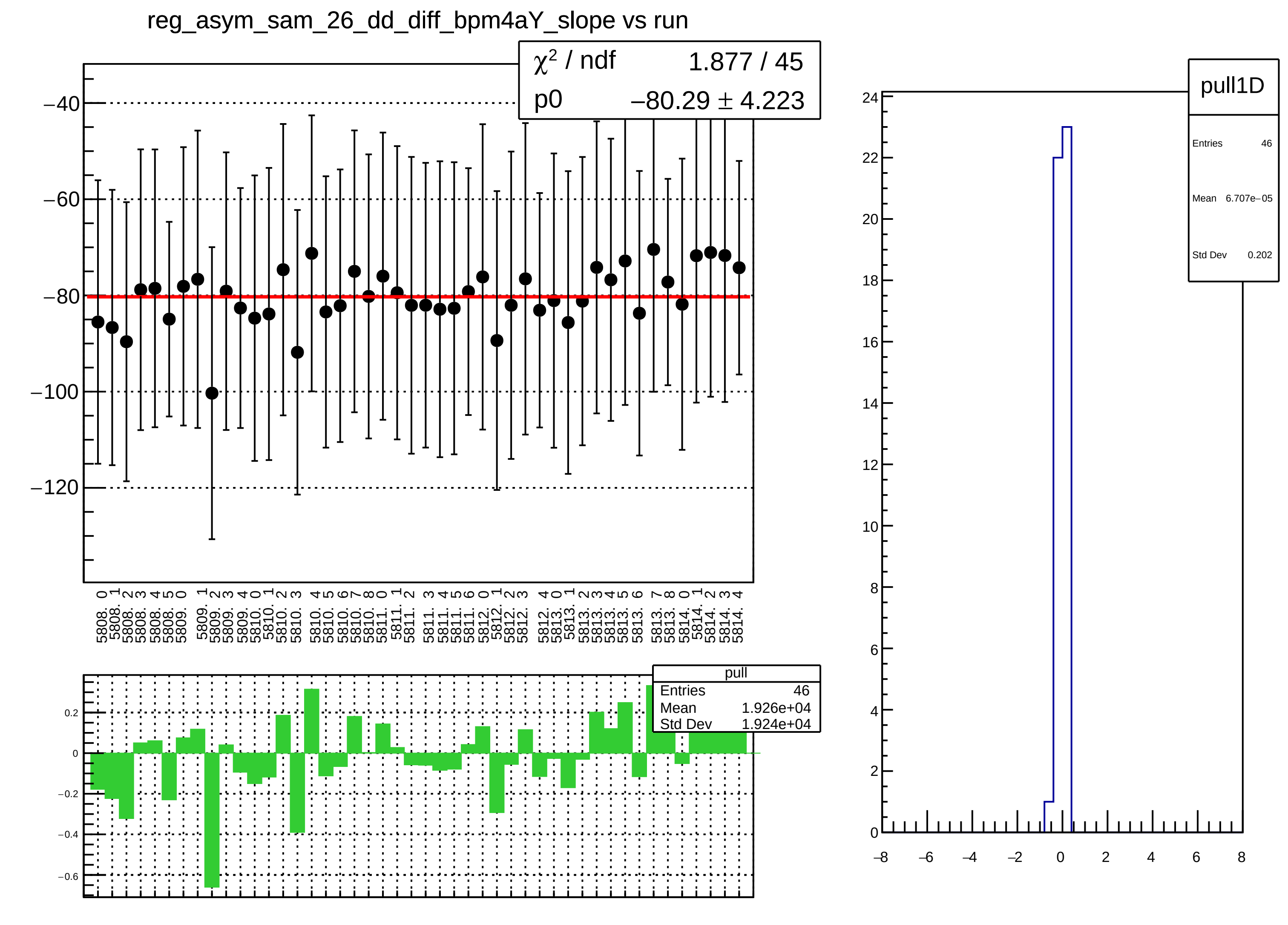
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ2 / ndf 4.199 / 45
p0 −112.4 ± 3.711
pull
Entries 46
Mean −236.7
Std Dev 260.2
pull1D
Entries 46
Mean 0.004397
Std Dev 0.3021



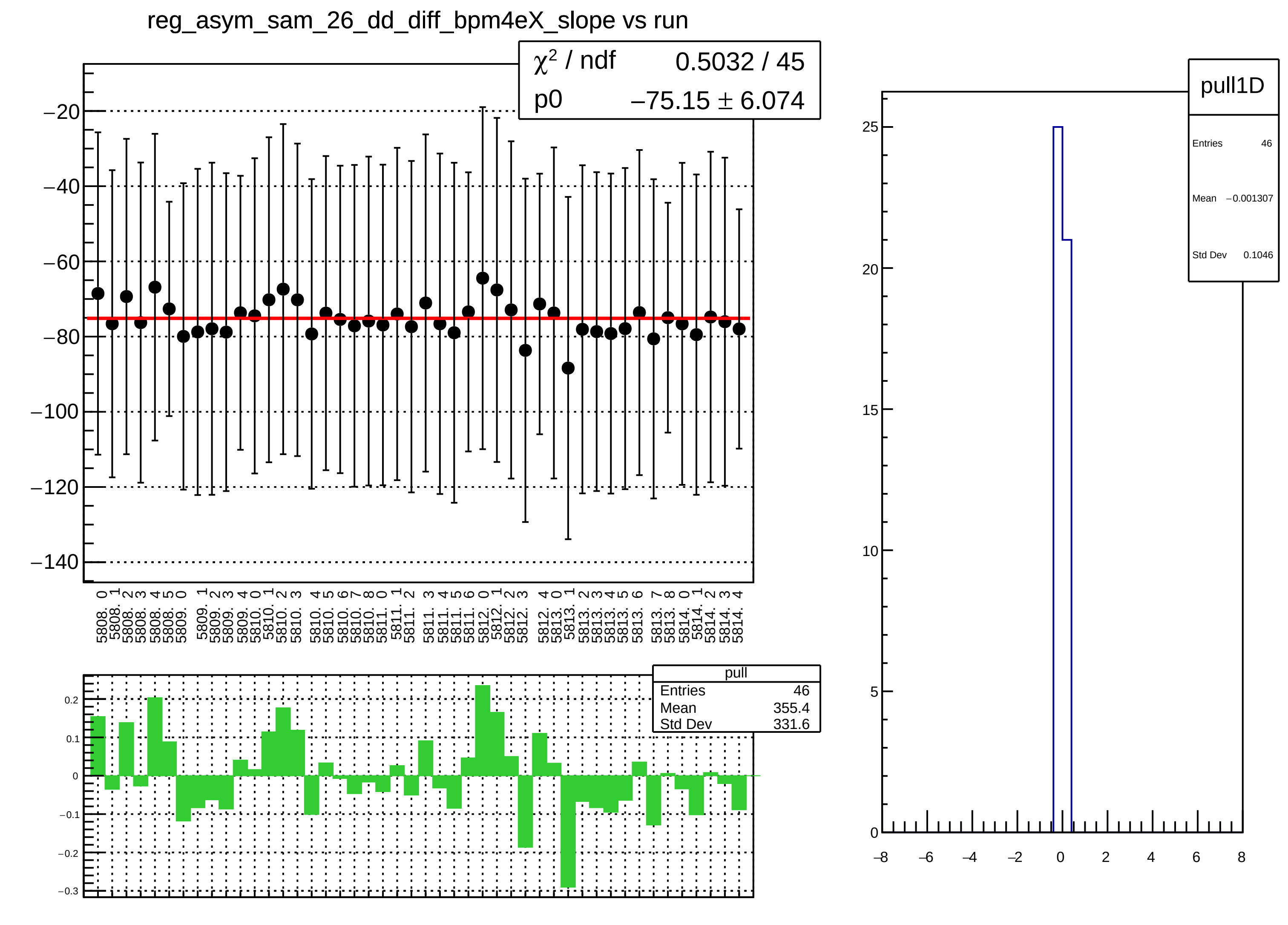
reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.686 / 45
p0 −1.656 ± 0.2213
pull
Entries 46
Mean −106
Std Dev 128.6
pull1D
Entries 46
Mean 0.0108
Std Dev 0.2414

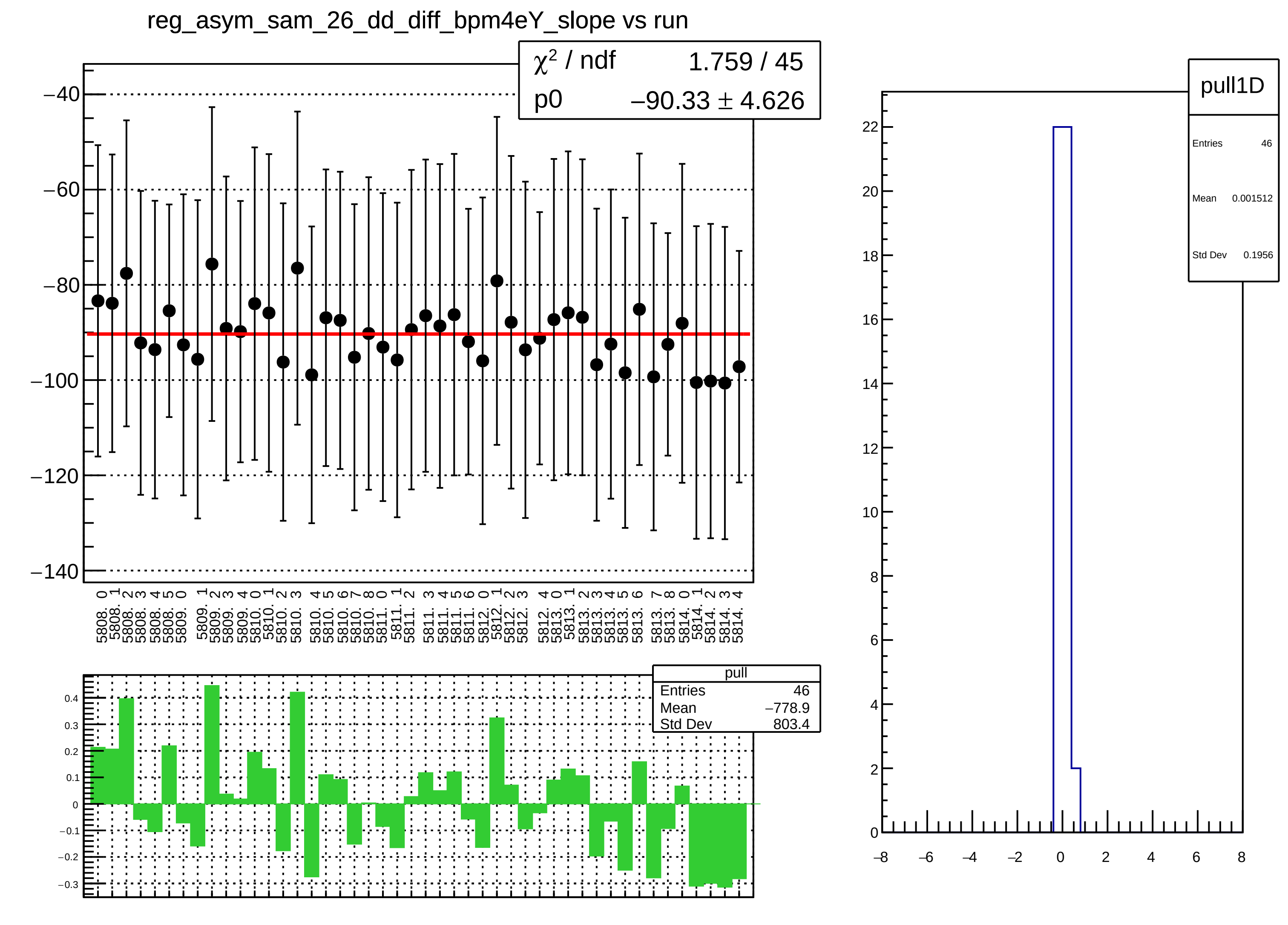
reg_asym_sam_26_dd_diff_bpm4aX_slope vs run



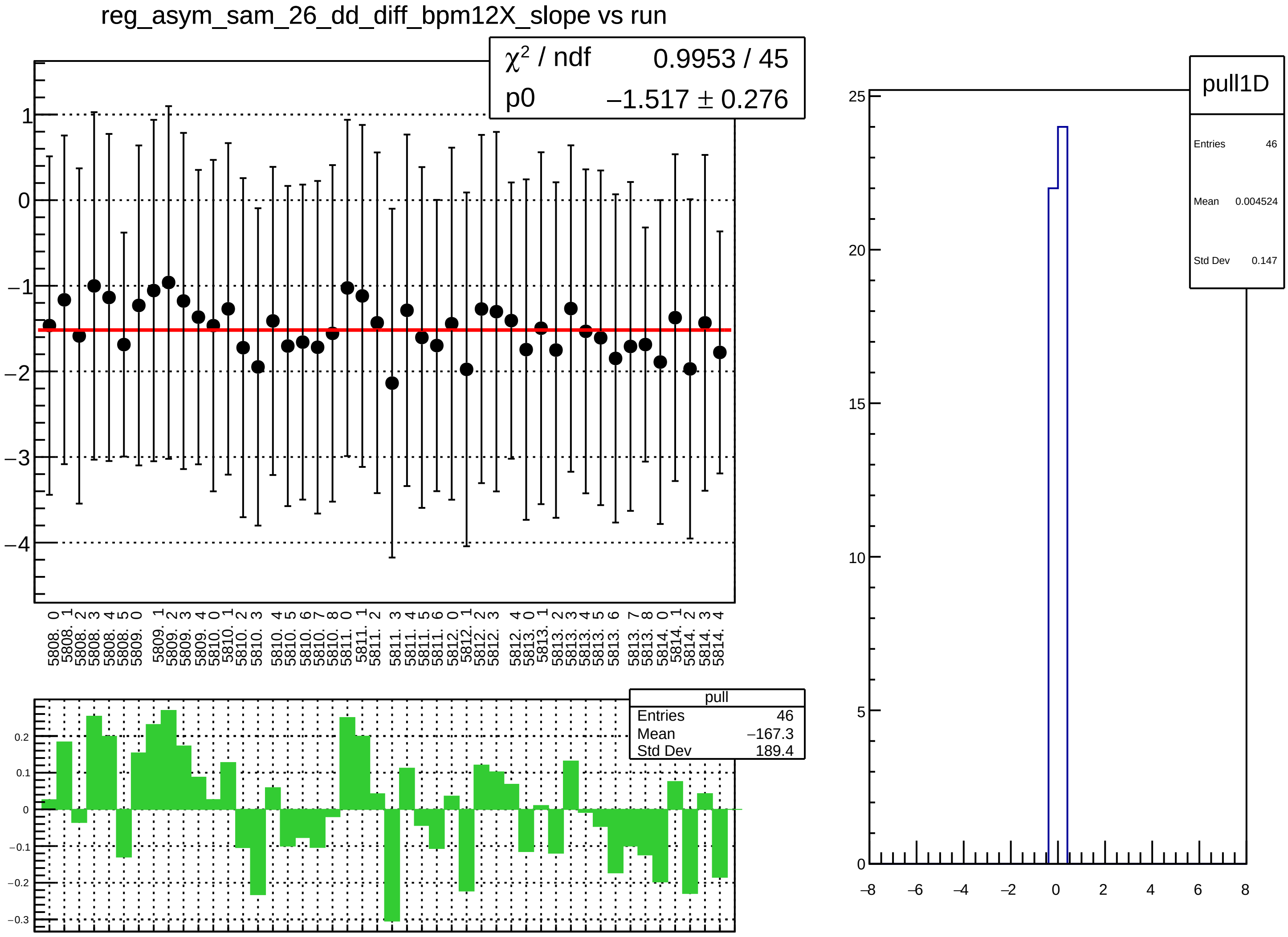


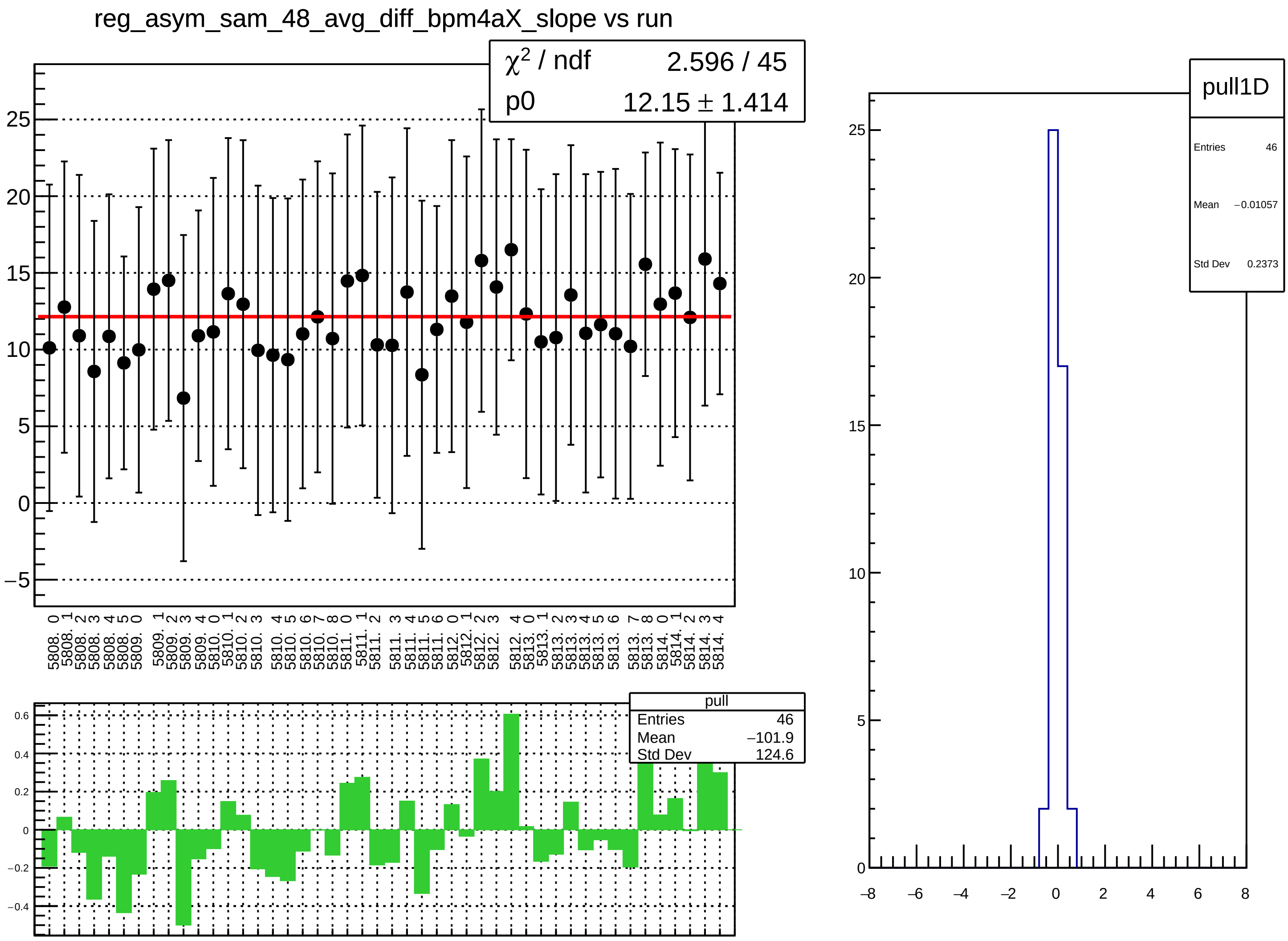
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.877 / 45
p0 −80.29 ± 4.223
pull
Entries 46
Mean 1.926e+04
Std Dev 1.924e+04
pull1D
Entries 46
Mean 6.707e−05
Std Dev 0.202


reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ2 / ndf 0.5032 / 45
p0 −75.15 ± 6.074
pull
Entries 46
Mean 355.4
Std Dev 331.6
pull1D
Entries 46
Mean −0.001307
Std Dev 0.1046

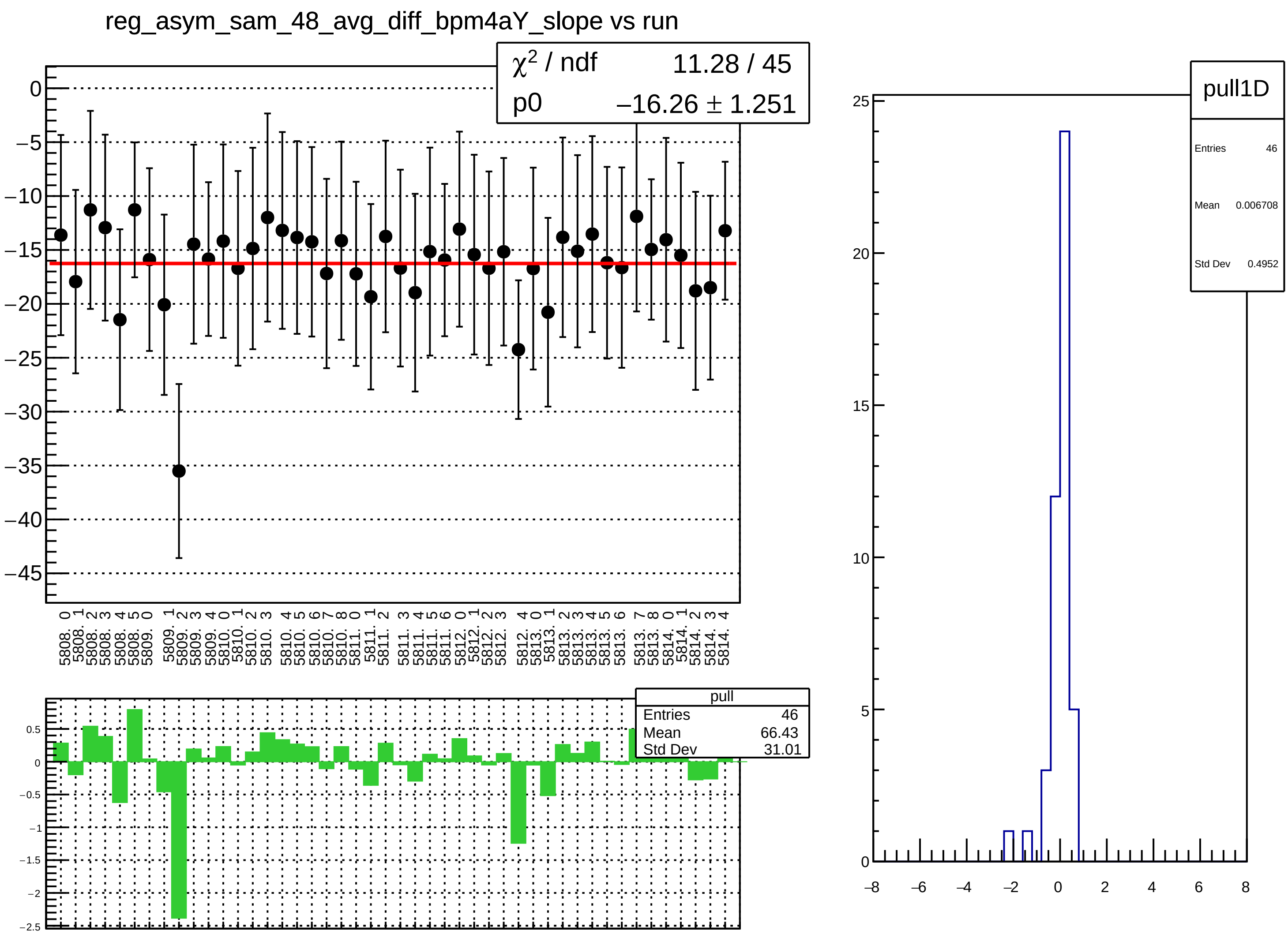


reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.759 / 45
p0 −90.33 ± 4.626
pull
Entries 46
Mean −778.9
Std Dev 803.4
pull1D
Entries 46
Mean 0.001512
Std Dev 0.1956

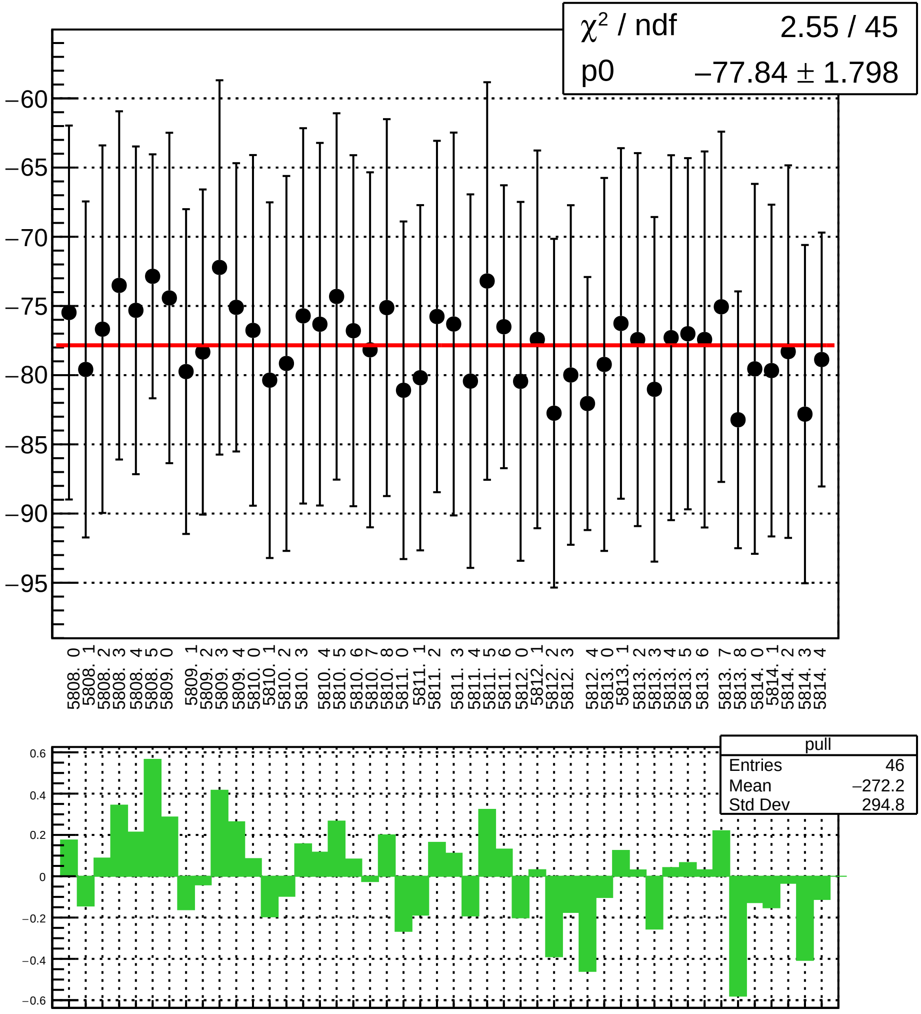

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 0.9953 / 45
p0 −1.517 ± 0.276
pull
Entries 46
Mean −167.3
Std Dev 189.4
pull1D
Entries 46
Mean 0.004524
Std Dev 0.147

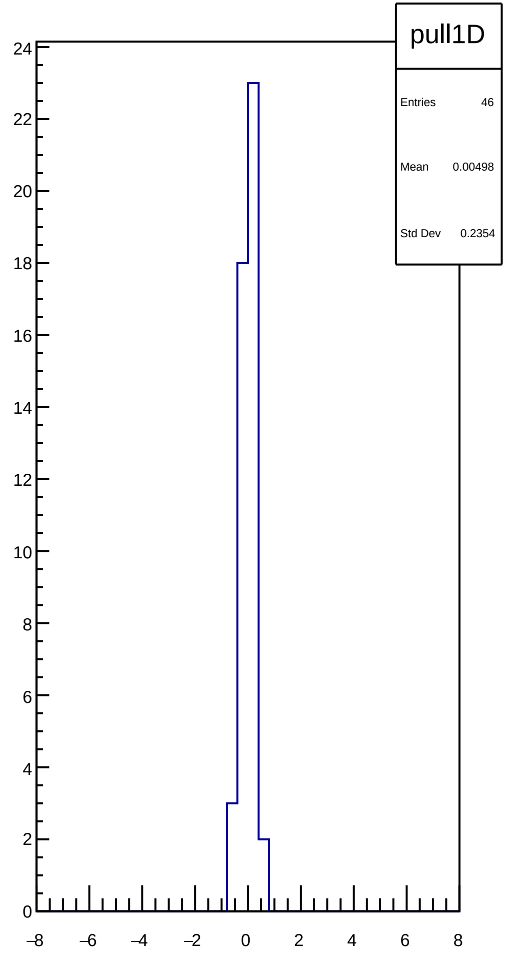


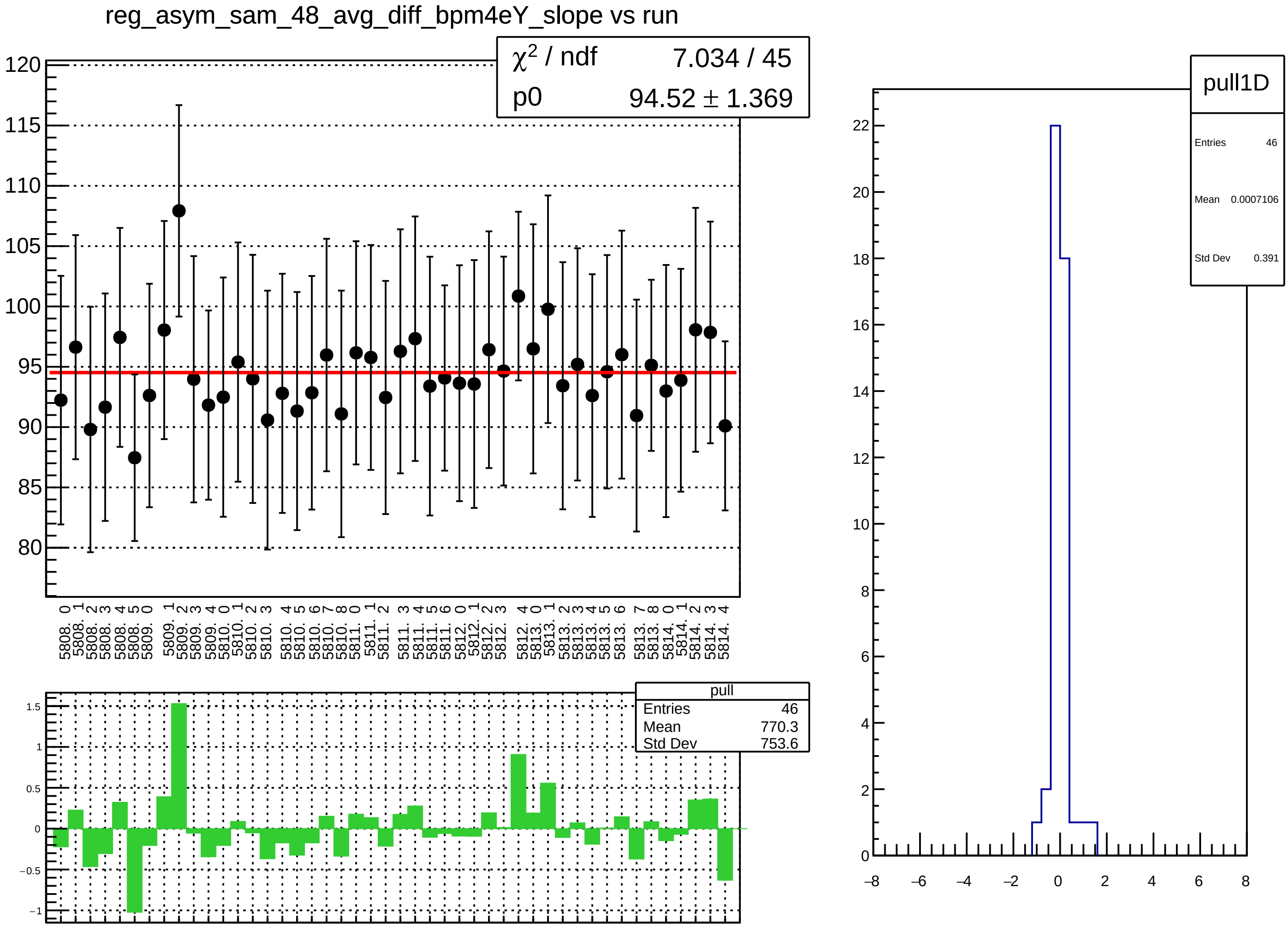
reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ2 / ndf 2.596 / 45
p0 12.15 ± 1.414
pull
Entries 46
Mean −101.9
Std Dev 124.6
pull1D
Entries 46
Mean −0.01057
Std Dev 0.2373


reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 11.28 / 45
p0 −16.26 ± 1.251
pull
Entries 46
Mean 66.43
Std Dev 31.01
pull1D
Entries 46
Mean 0.006708
Std Dev 0.4952

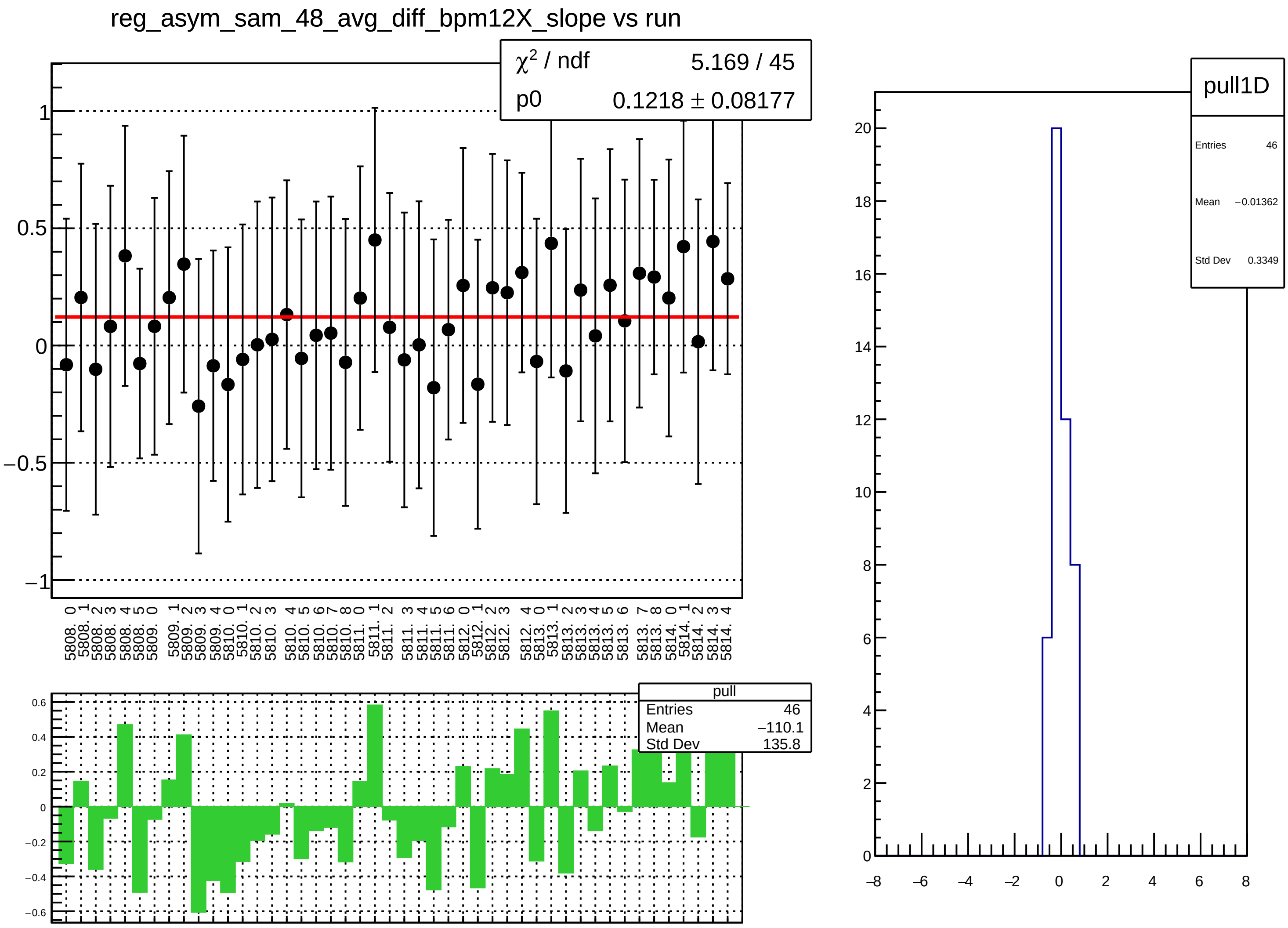
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run



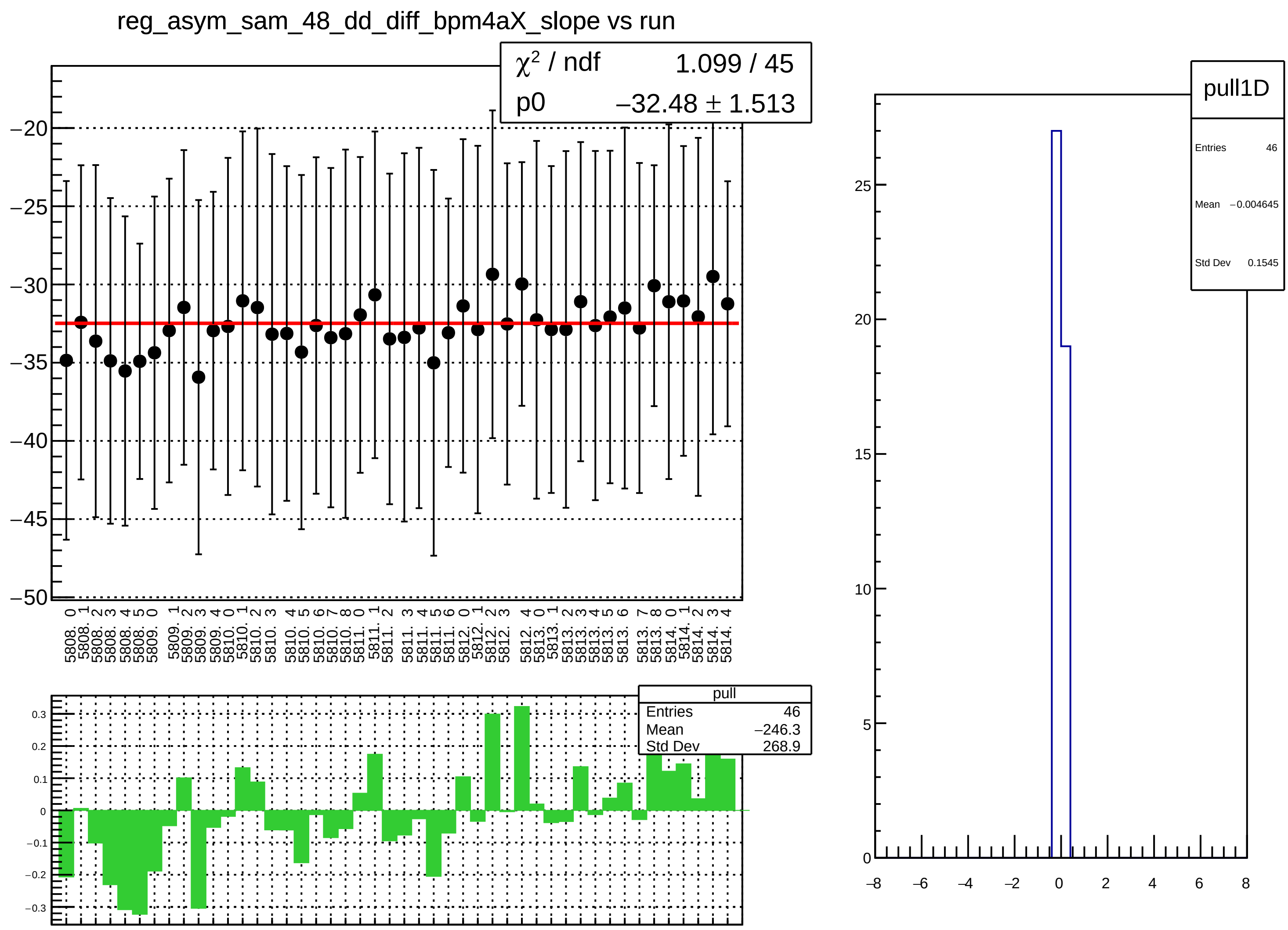




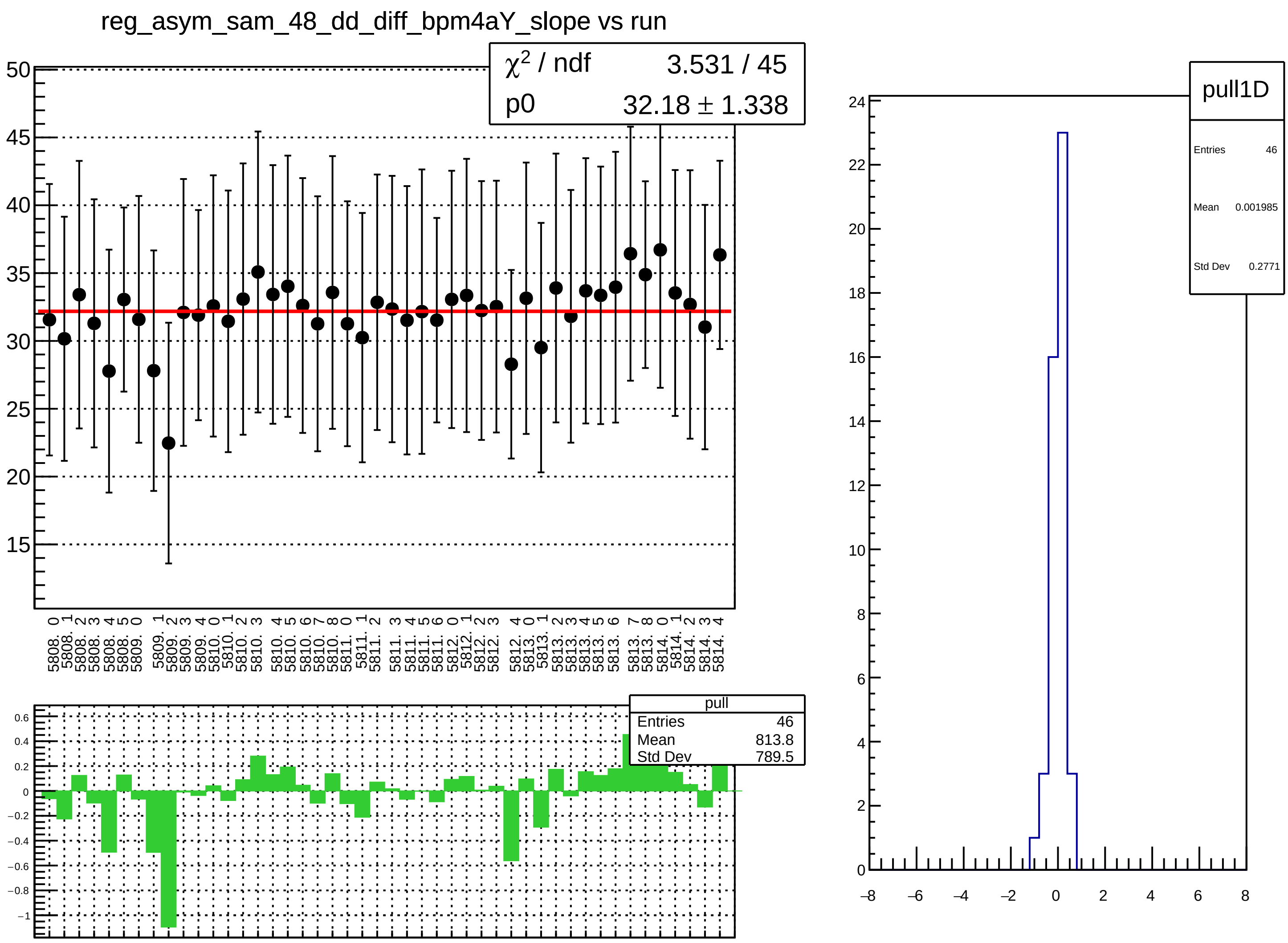
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.034 / 45
p0 94.52 ± 1.369
pull
Entries 46
Mean 770.3
Std Dev 753.6
pull1D
Entries 46
Mean 0.0007106
Std Dev 0.391



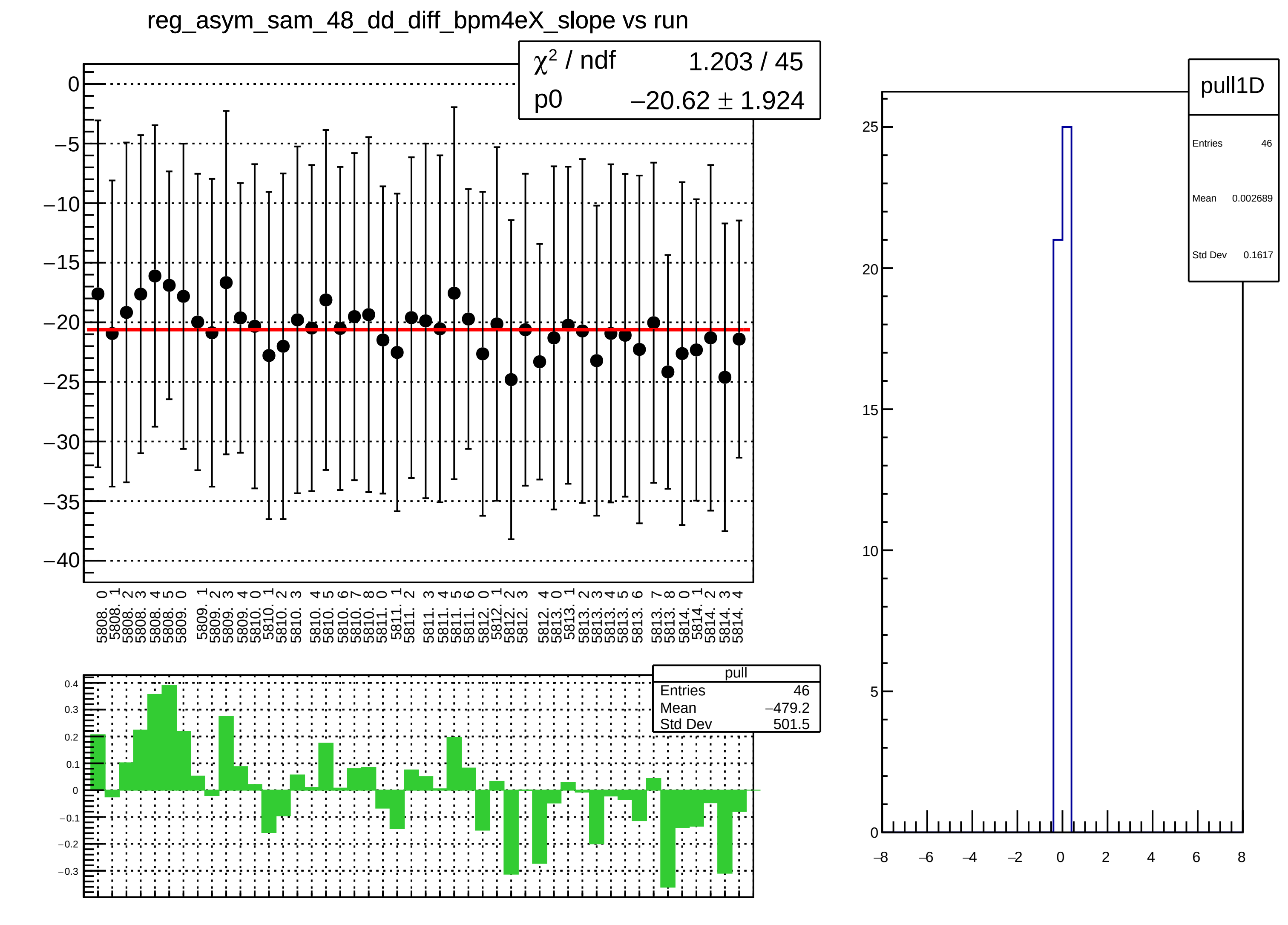
reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.169 / 45
p0 0.1218 ± 0.08177
pull
Entries 46
Mean −110.1
Std Dev 135.8
pull1D
Entries 46
Mean −0.01362
Std Dev 0.3349



reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 1.099 / 45
p0 −32.48 ± 1.513
pull
Entries 46
Mean −246.3
Std Dev 268.9
pull1D
Entries 46
Mean −0.004645
Std Dev 0.1545

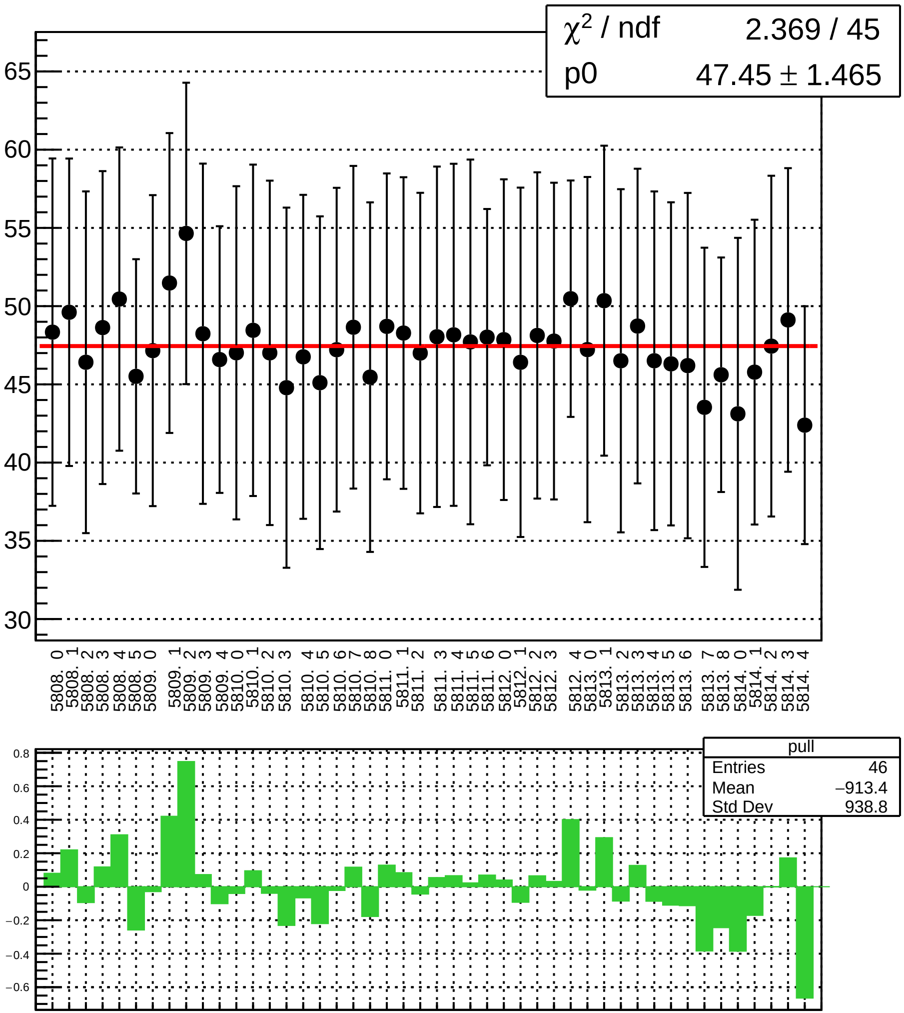


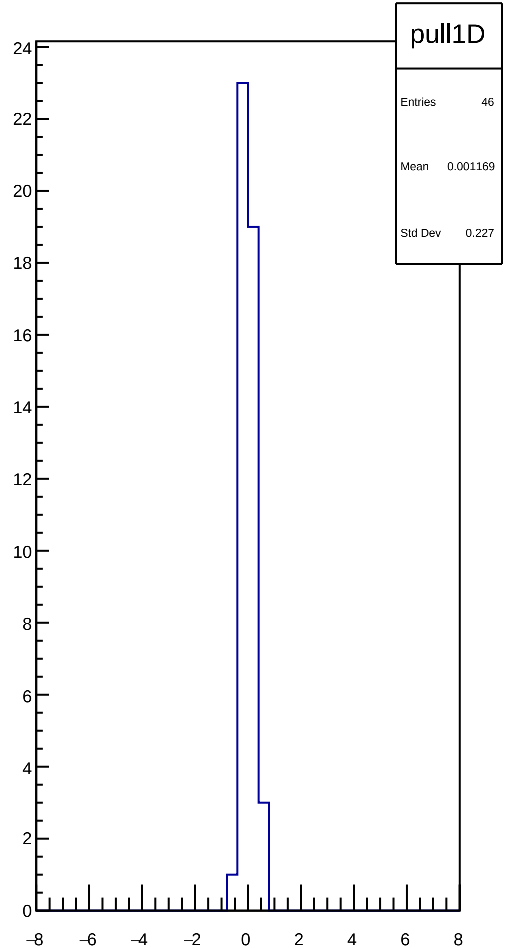
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.531 / 45
p0 32.18 ± 1.338
pull
Entries 46
Mean 813.8
Std Dev 789.5
pull1D
Entries 46
Mean 0.001985
Std Dev 0.2771



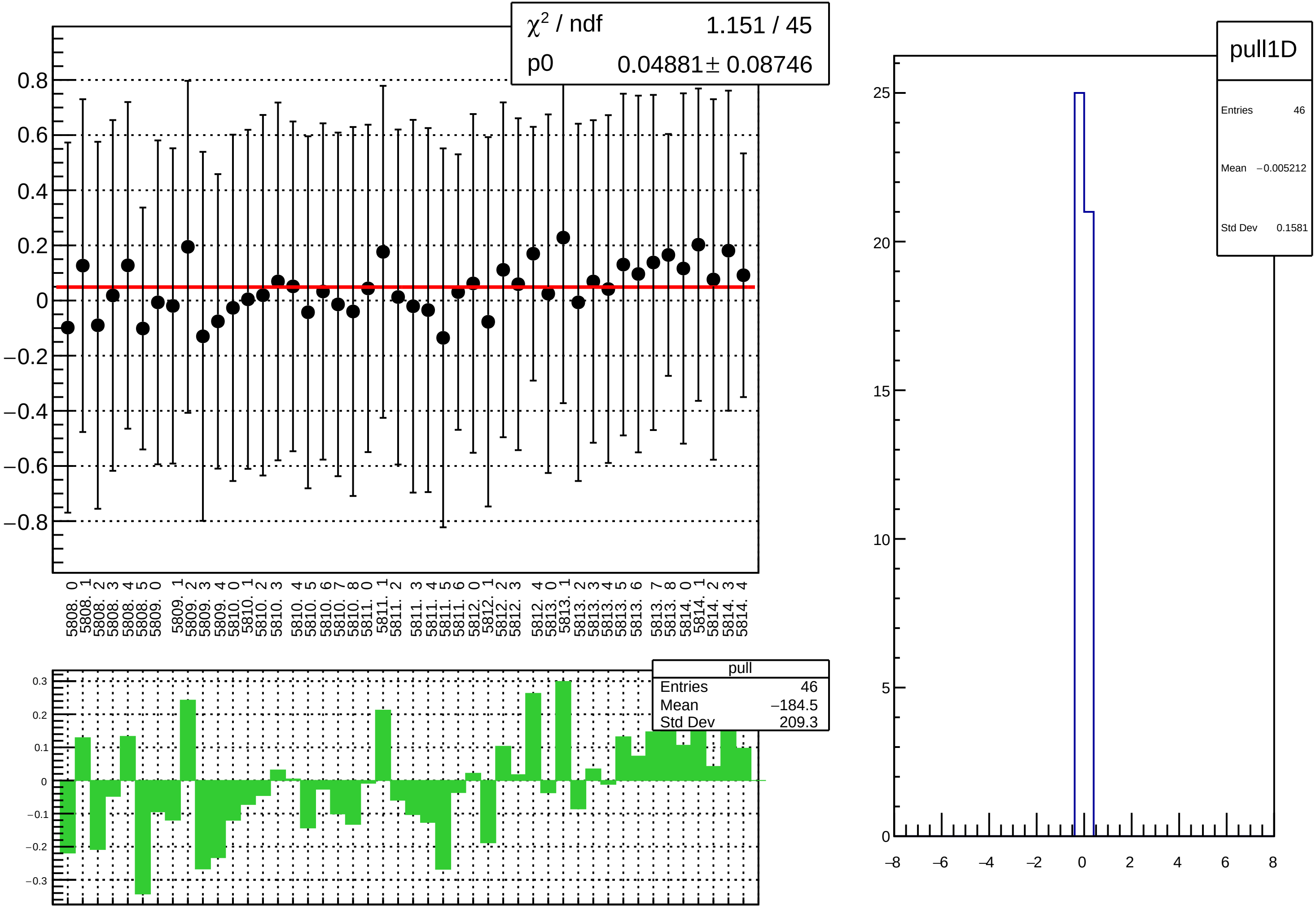
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.203 / 45
p0 −20.62 ± 1.924
pull
Entries 46
Mean −479.2
Std Dev 501.5
pull1D
Entries 46
Mean 0.002689
Std Dev 0.1617

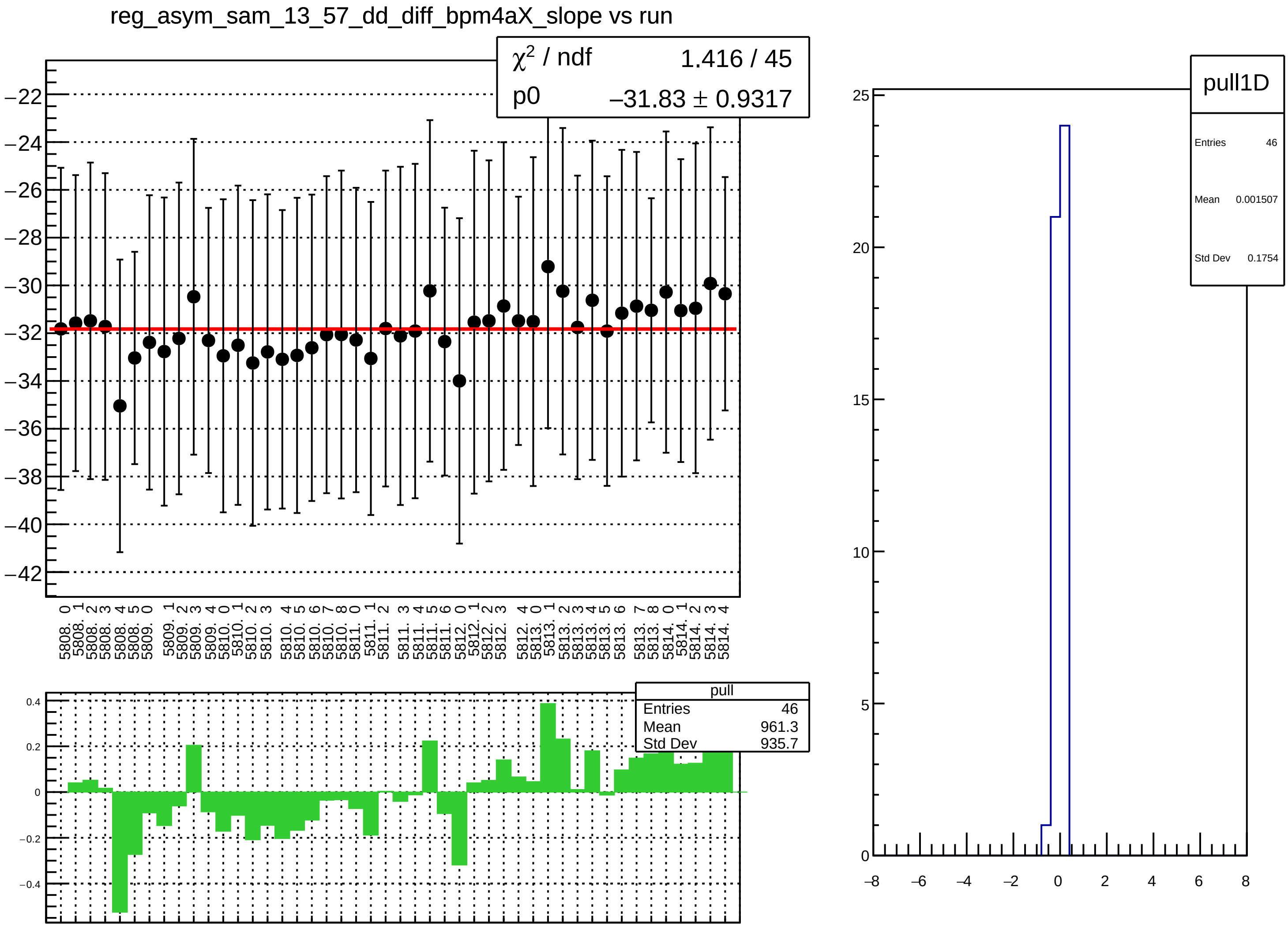
reg_asym_sam_48_dd_diff_bpm4eY_slope vs run



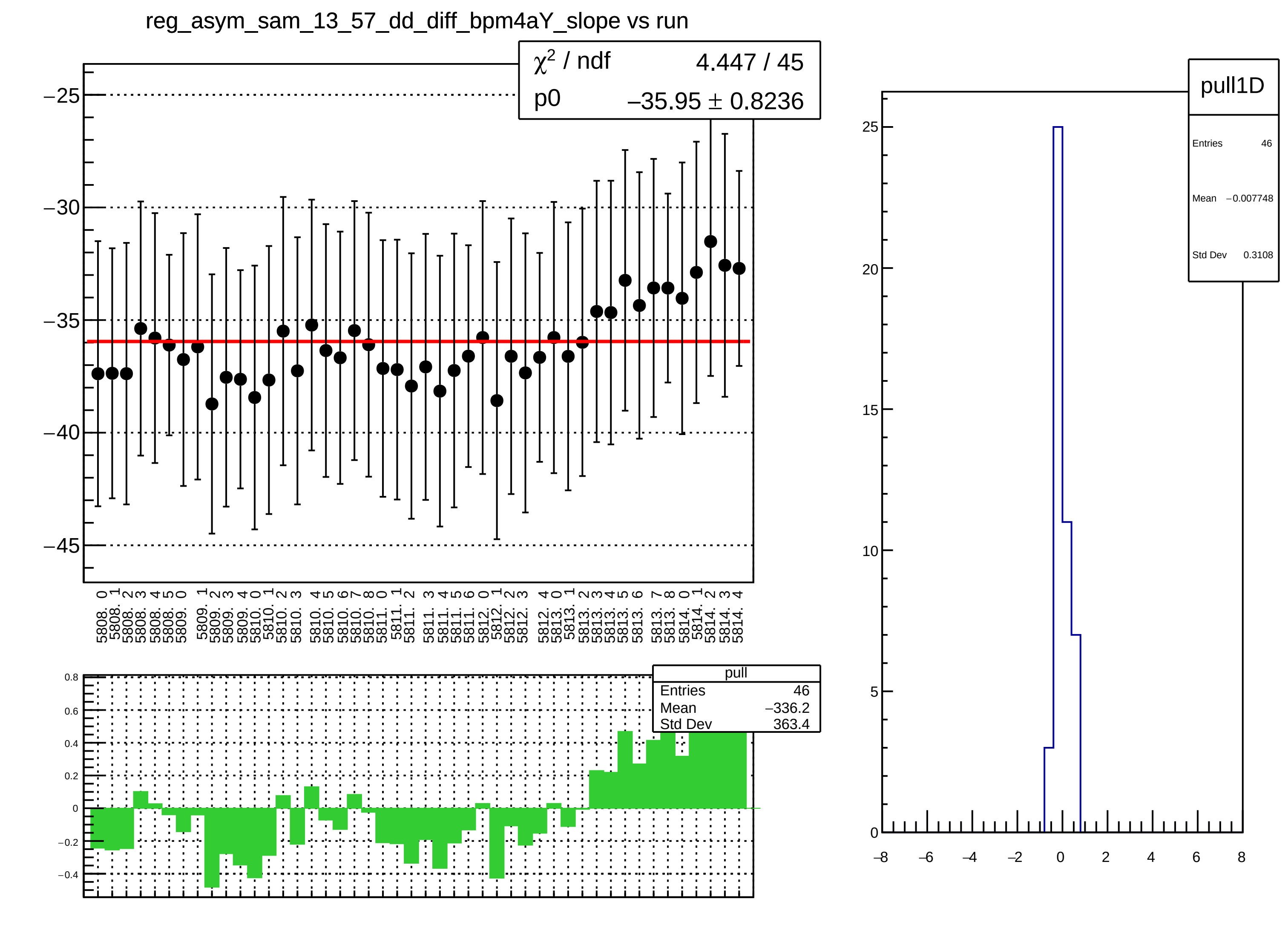


reg_asym_sam_48_dd_diff_bpm12X_slope vs run

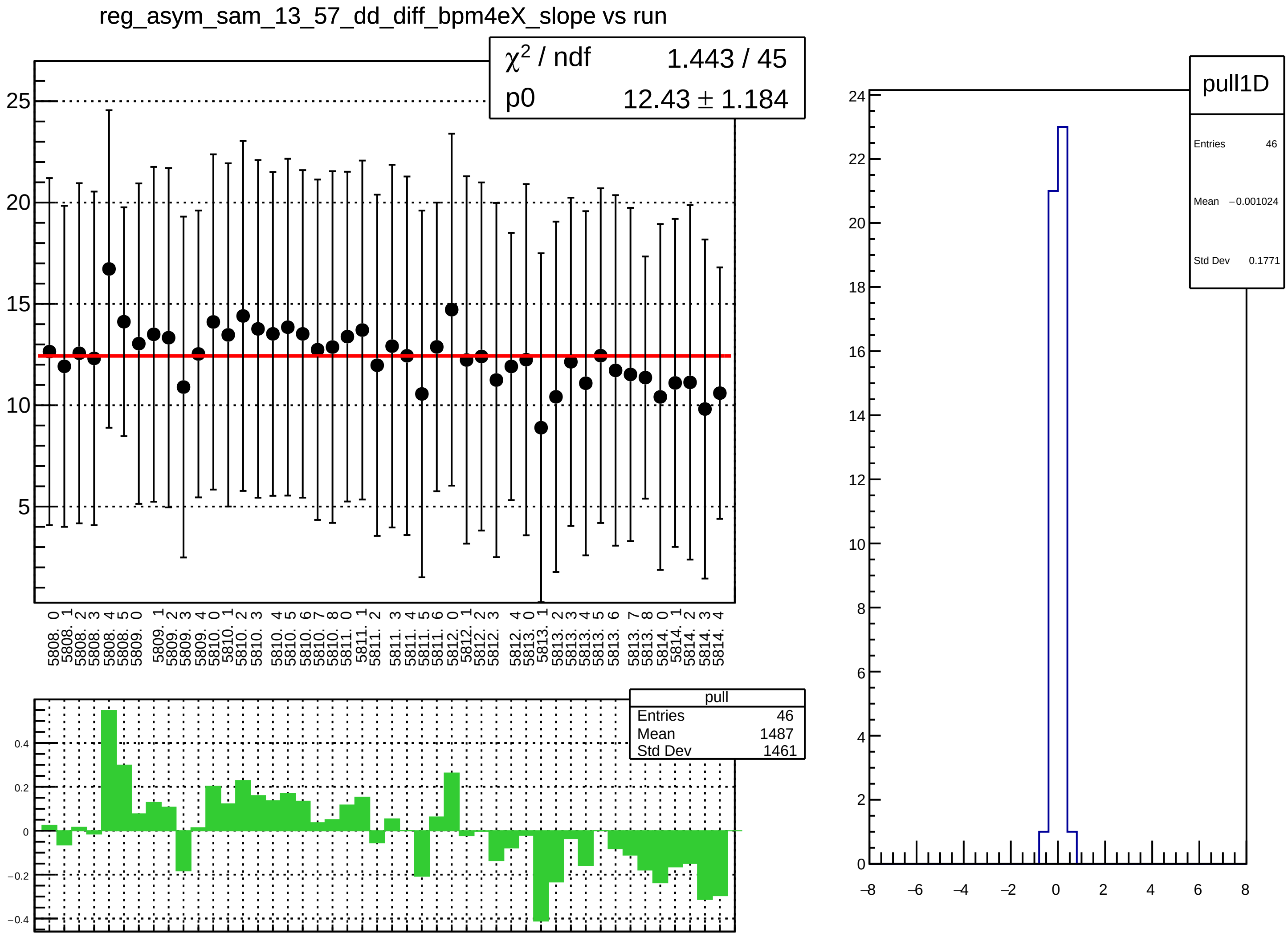


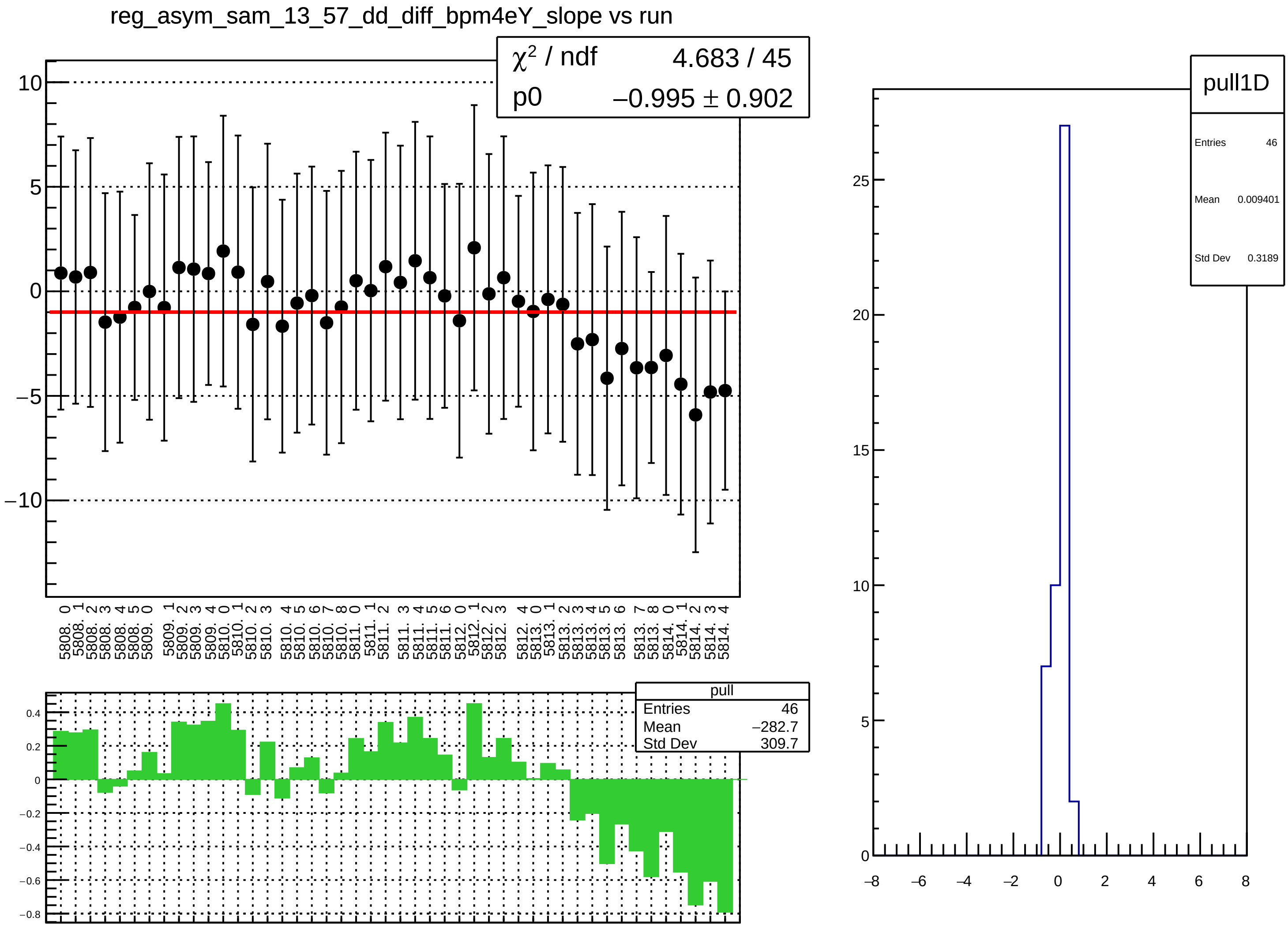


reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 1.416 / 45
p0 −31.83 ± 0.9317
pull
Entries 46
Mean 961.3
Std Dev 935.7
pull1D
Entries 46
Mean 0.001507
Std Dev 0.1754

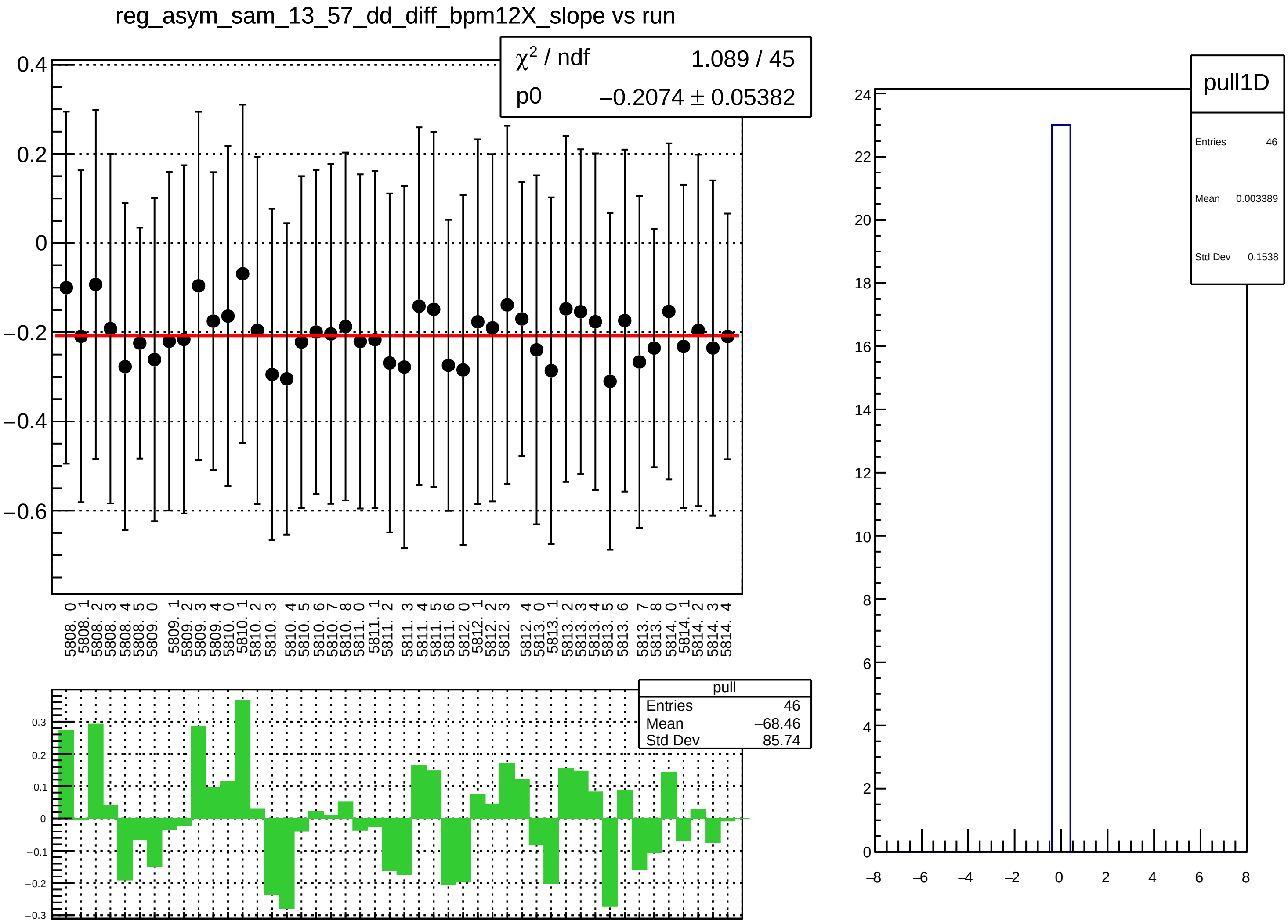


reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.447 / 45
p0 −35.95 ± 0.8236
pull
Entries 46
Mean −336.2
Std Dev 363.4
pull1D
Entries 46
Mean −0.007748
Std Dev 0.3108

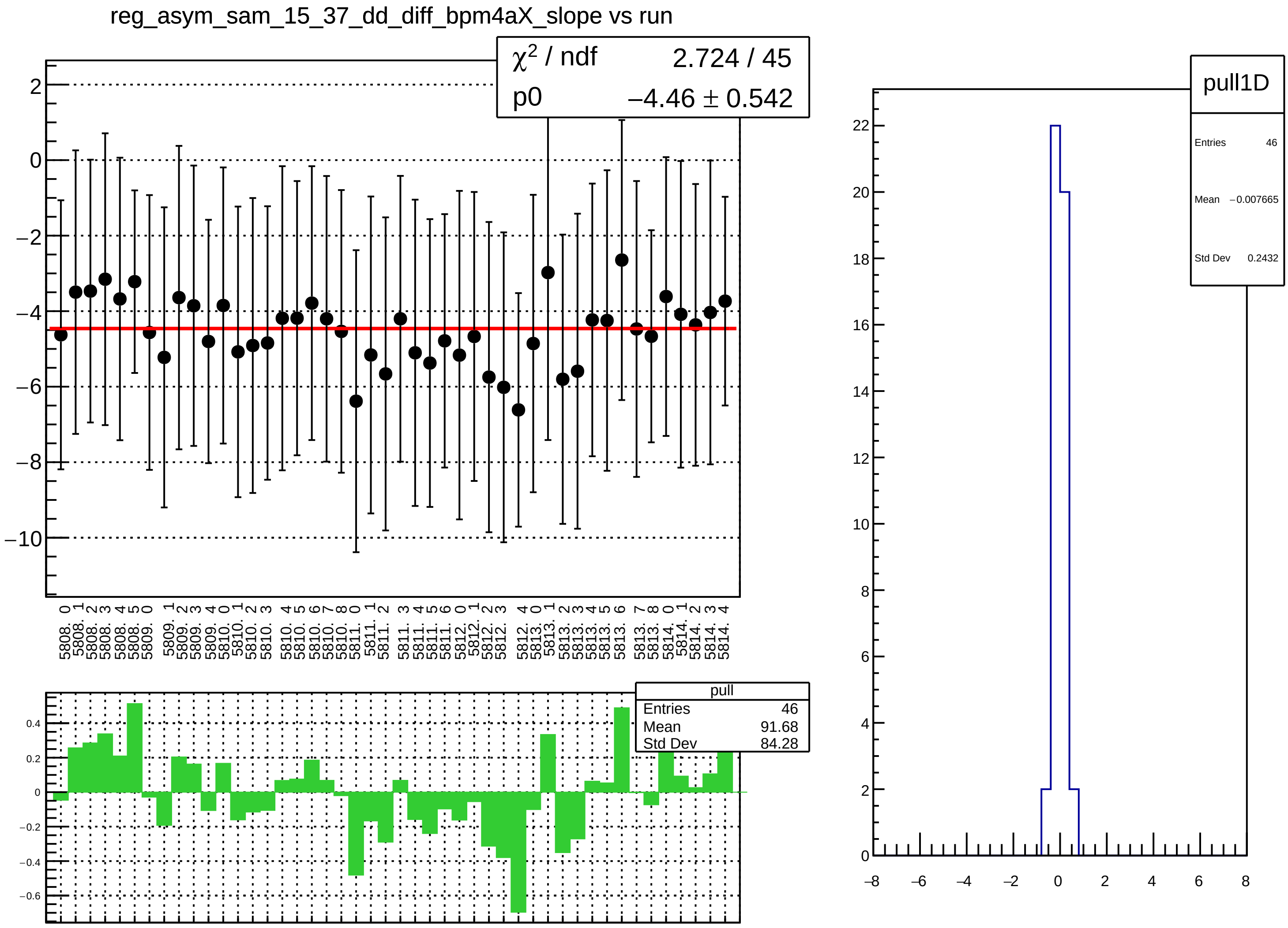

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.443 / 45
p0 12.43 ± 1.184
pull
Entries 46
Mean 1487
Std Dev 1461
pull1D
Entries 46
Mean −0.001024
Std Dev 0.1771



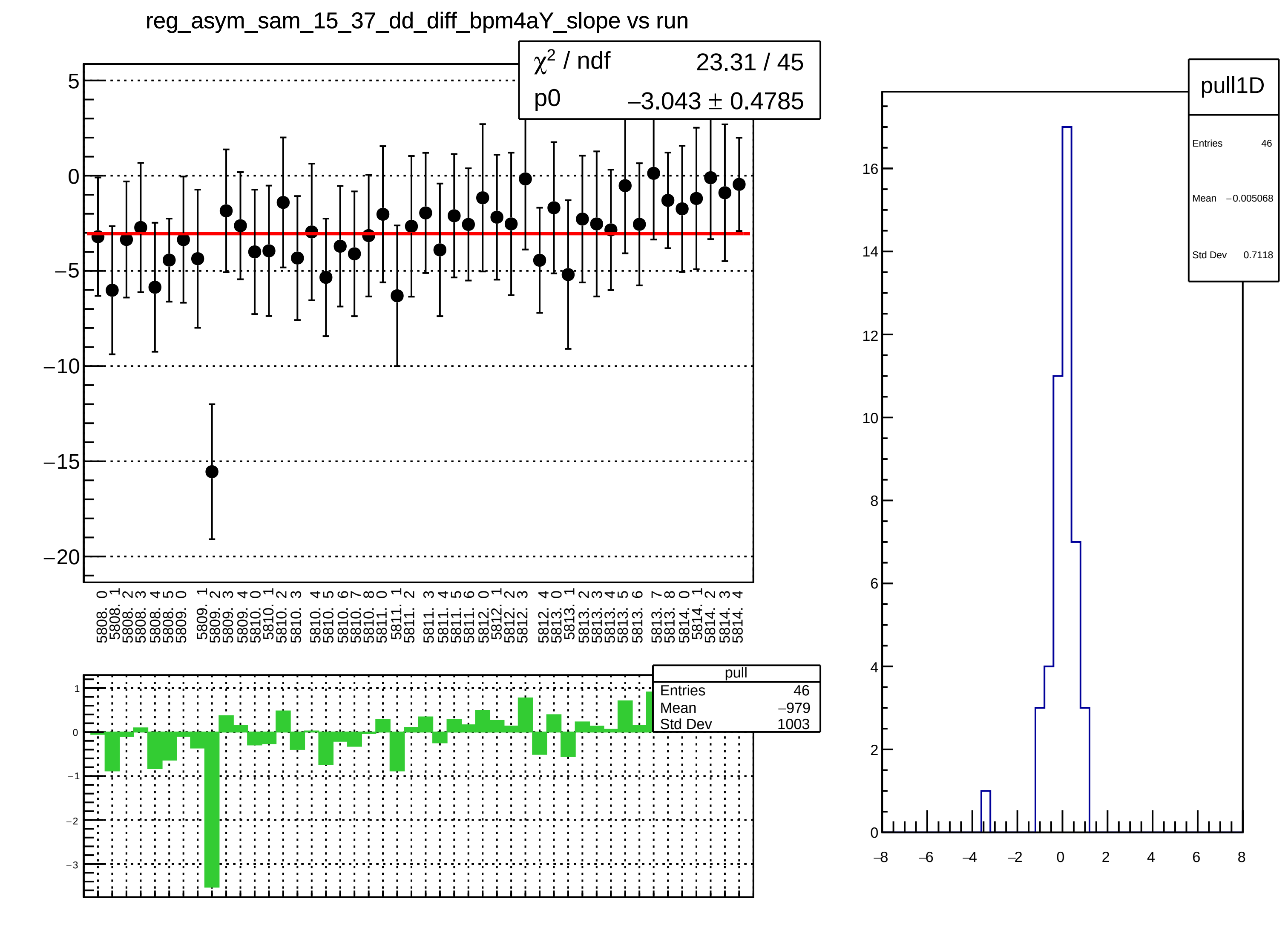
reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.683 / 45
p0 −0.995 ± 0.902
pull
Entries 46
Mean −282.7
Std Dev 309.7
pull1D
Entries 46
Mean 0.009401
Std Dev 0.3189



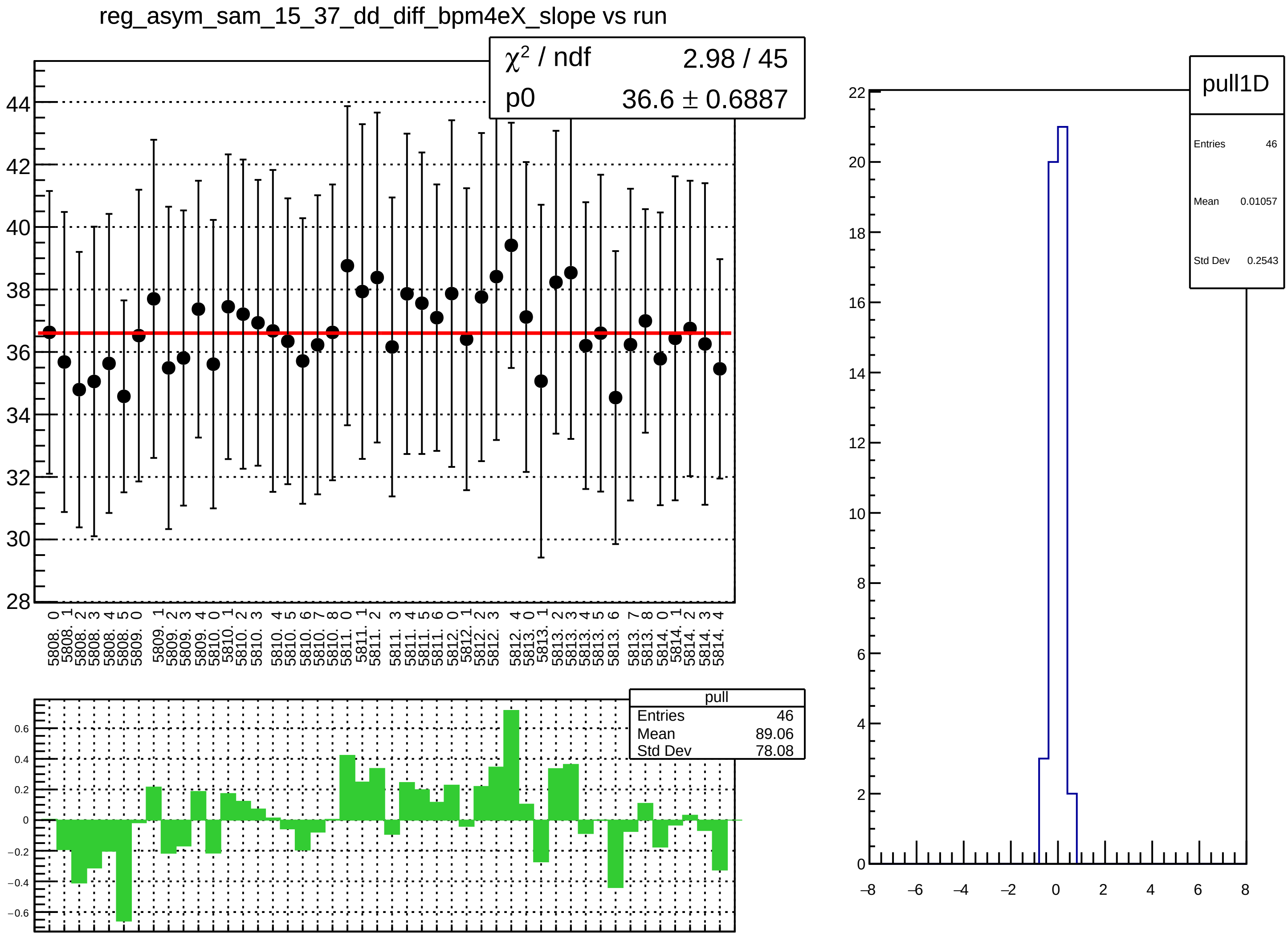
reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.089 / 45
p0 −0.2074 ± 0.05382
pull
Entries 46
Mean −68.46
Std Dev 85.74
pull1D
Entries 46
Mean 0.003389
Std Dev 0.1538



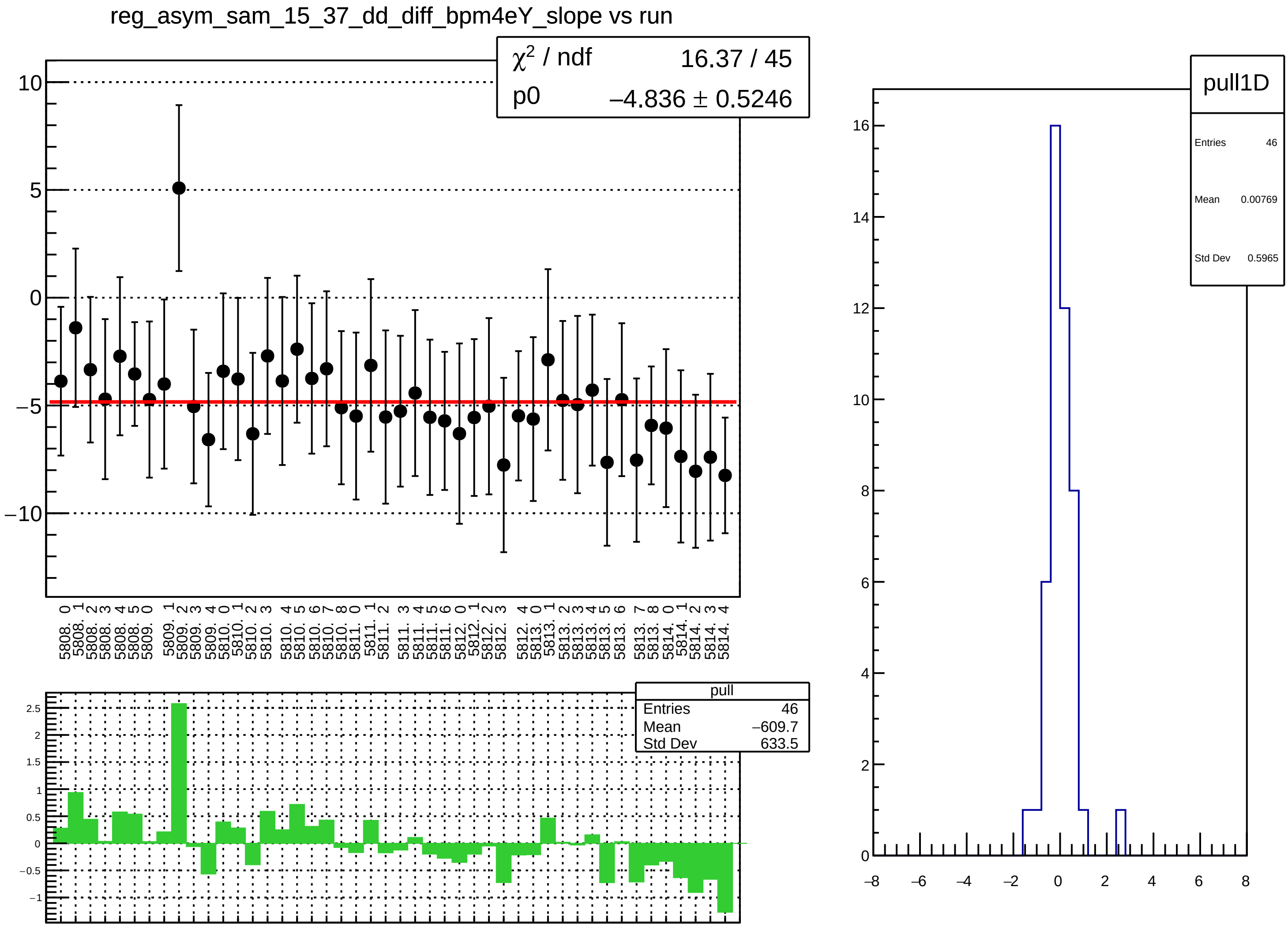
reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 2.724 / 45
p0 −4.46 ± 0.542
pull
Entries 46
Mean 91.68
Std Dev 84.28
pull1D
Entries 46
Mean −0.007665
Std Dev 0.2432

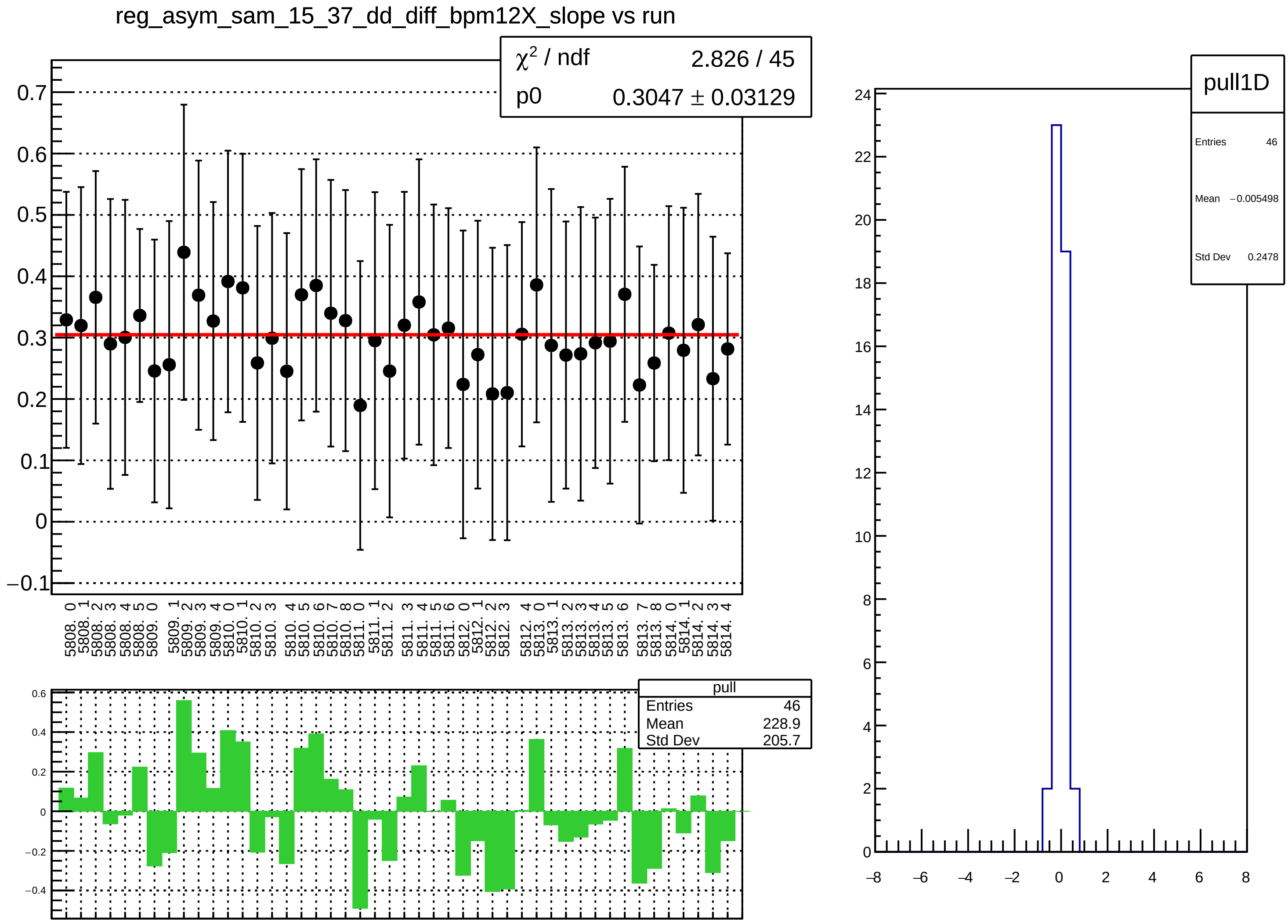


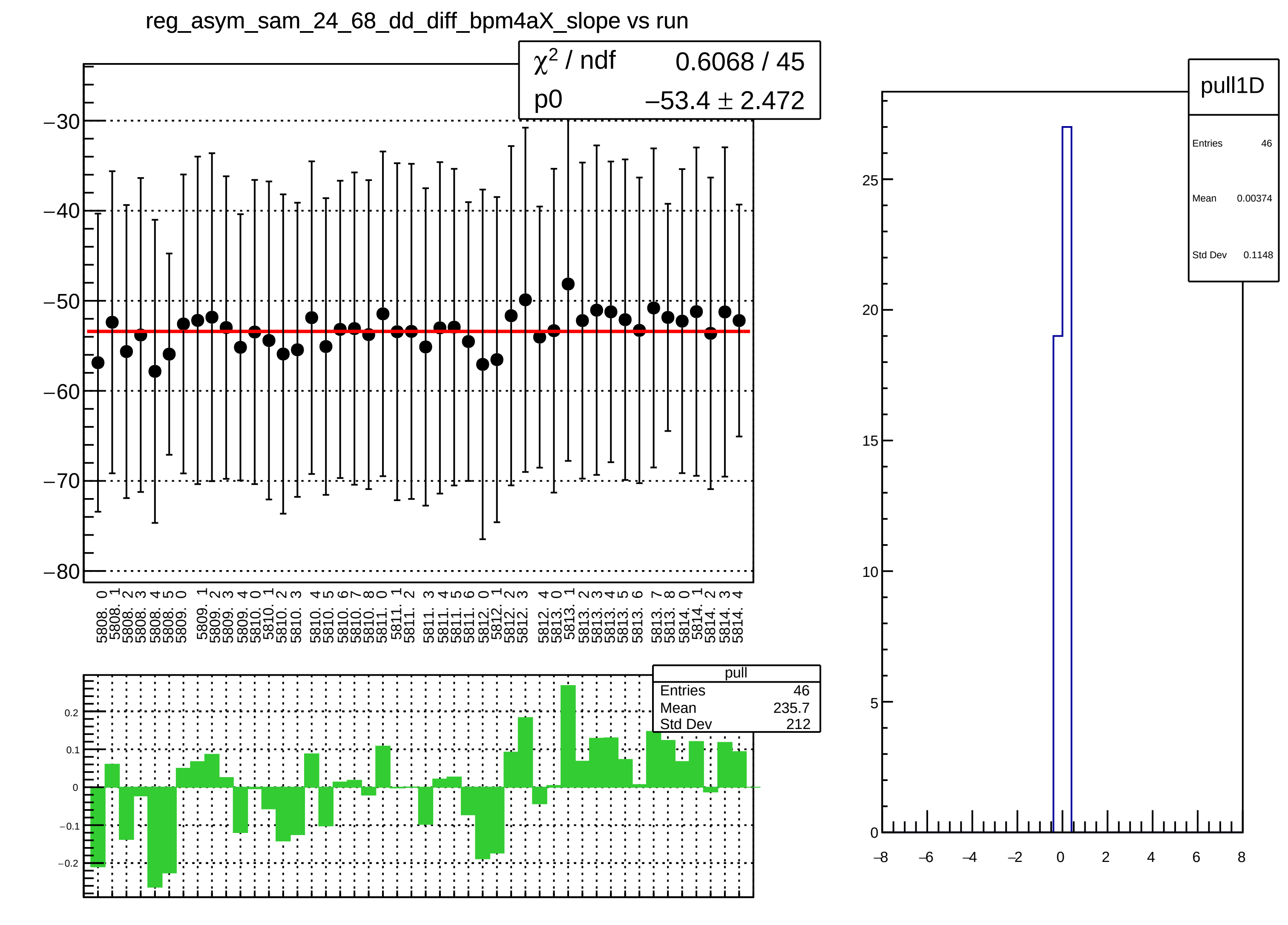
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.31 / 45
p0 −3.043 ± 0.4785
pull
Entries 46
Mean −979
Std Dev 1003
pull1D
Entries 46
Mean −0.005068
Std Dev 0.7118



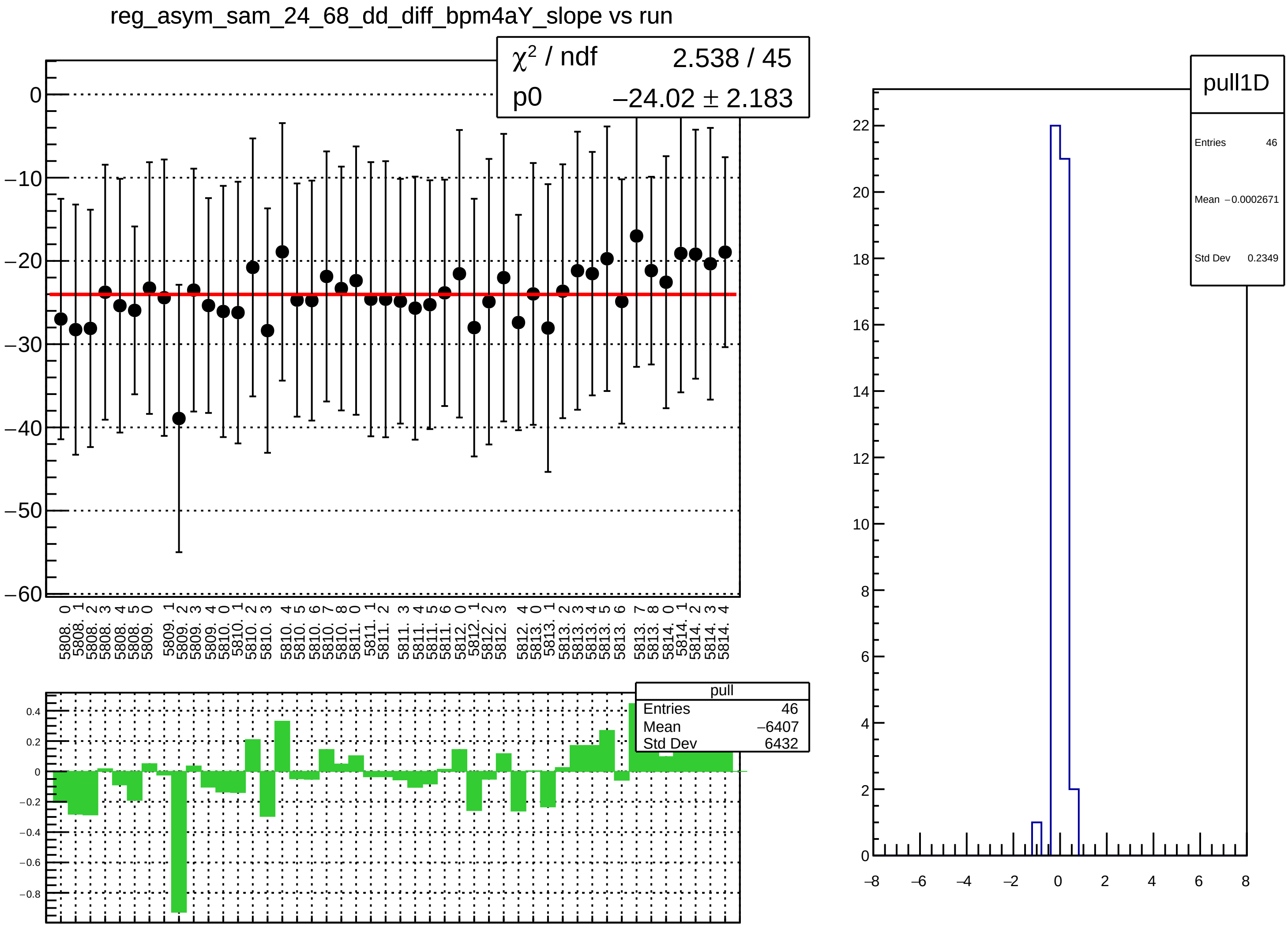
reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.98 / 45
p0 36.6 ± 0.6887
pull
Entries 46
Mean 89.06
Std Dev 78.08
pull1D
Entries 46
Mean 0.01057
Std Dev 0.2543

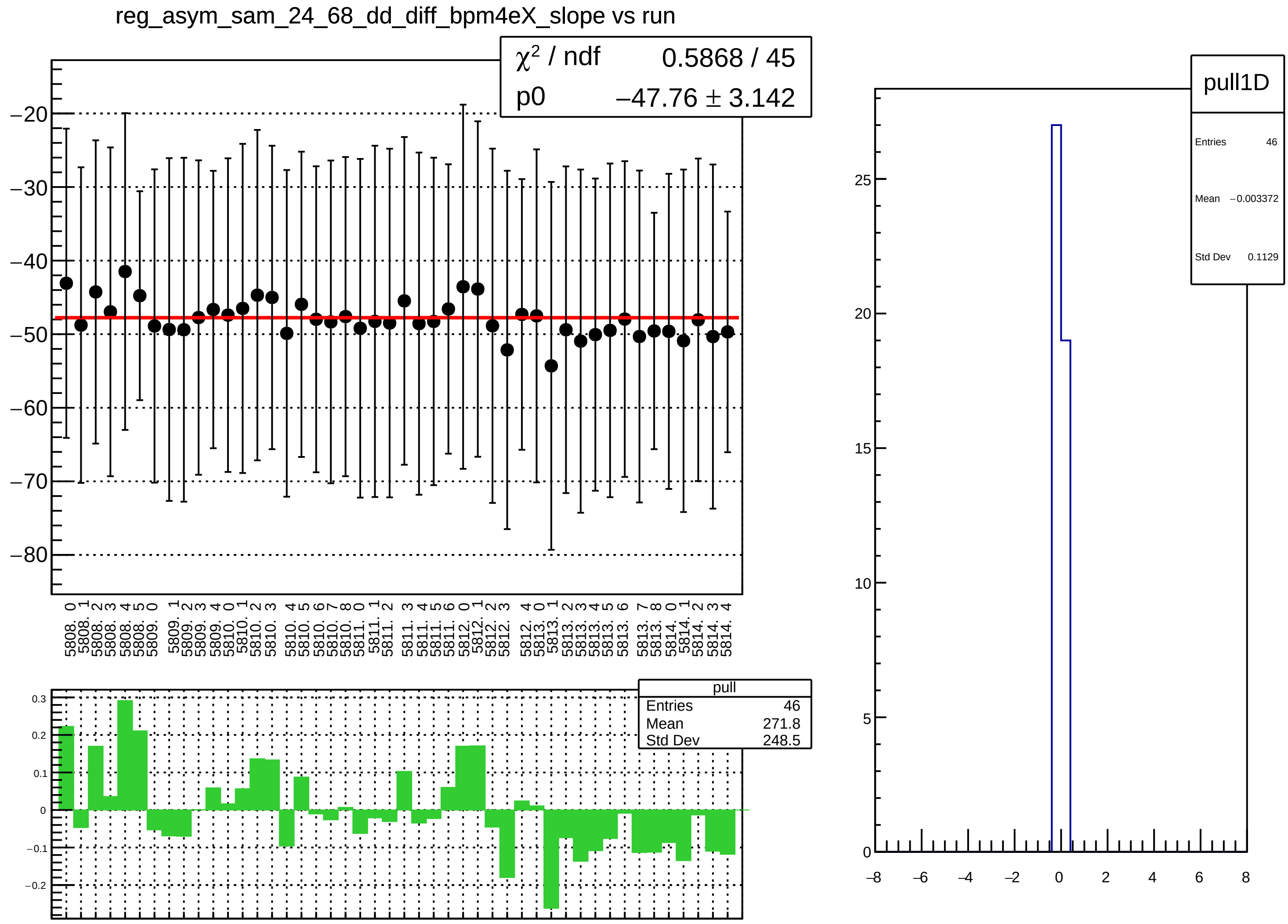

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 16.37 / 45
p0 −4.836 ± 0.5246
pull
Entries 46
Mean −609.7
Std Dev 633.5
pull1D
Entries 46
Mean 0.00769
Std Dev 0.5965

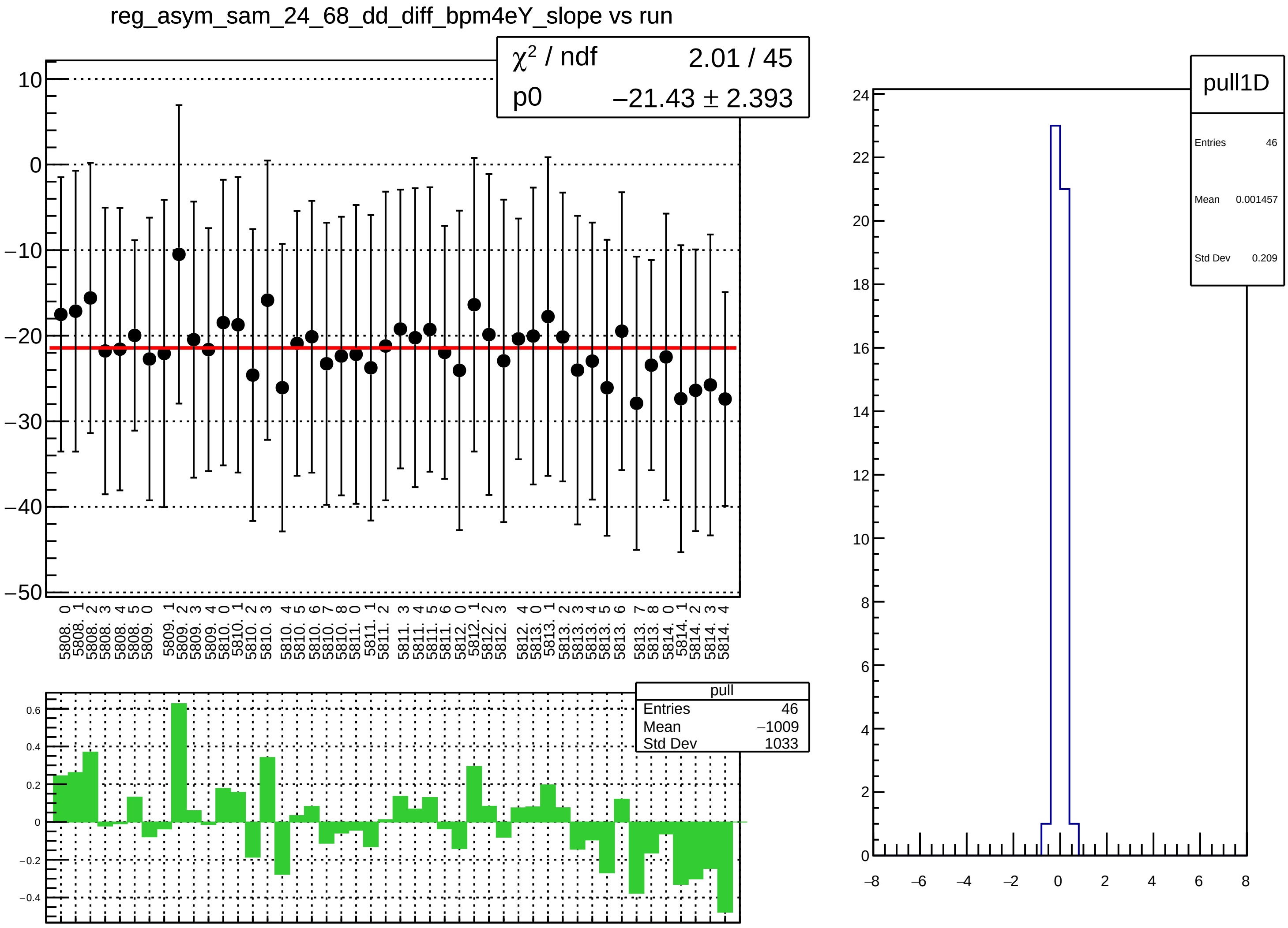

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ2 / ndf 2.826 / 45
p0 0.3047 ± 0.03129
pull
Entries 46
Mean 228.9
Std Dev 205.7
pull1D
Entries 46
Mean −0.005498
Std Dev 0.2478



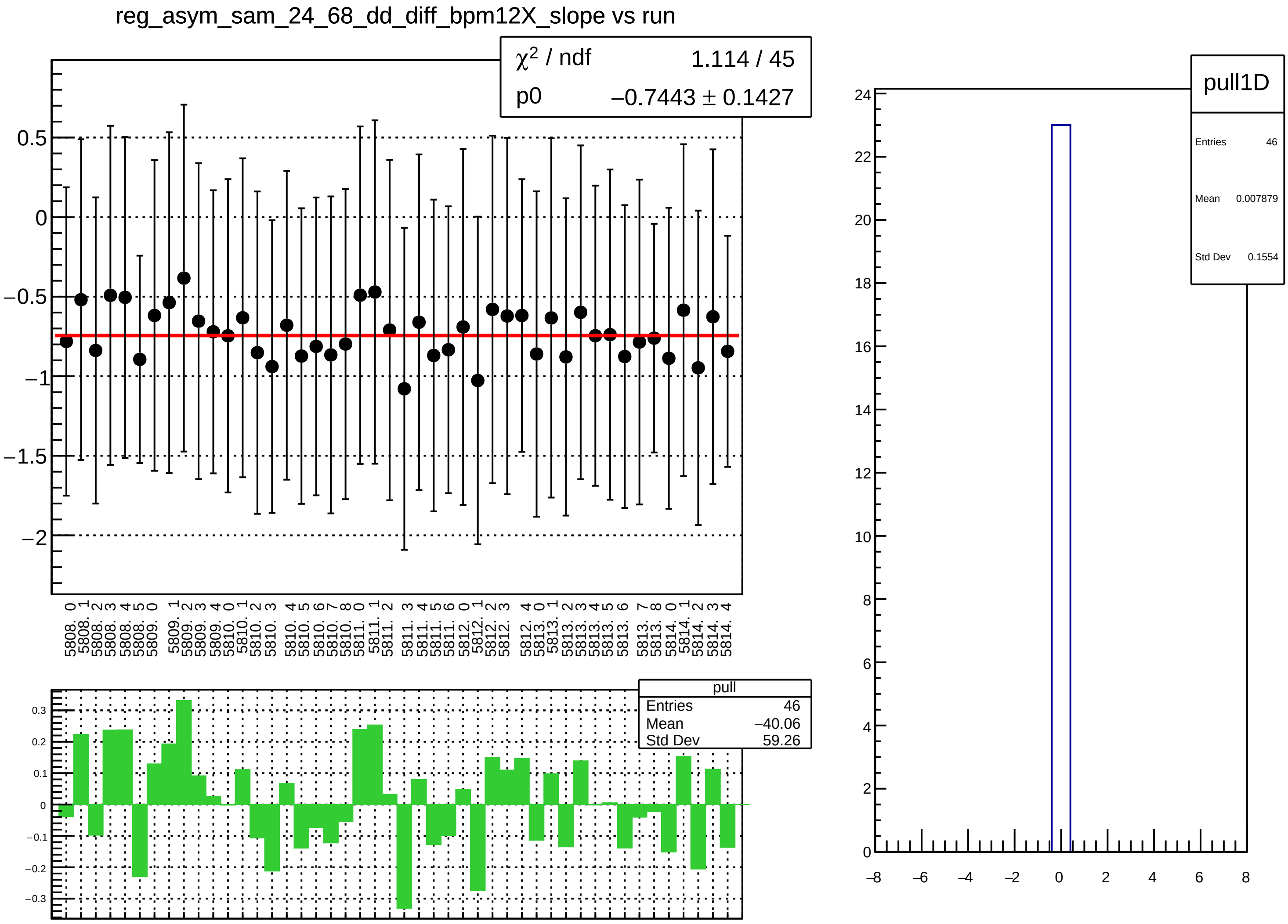
reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 0.6068 / 45
p0 −53.4 ± 2.472
−30
−40
−50
−60
−70
−80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 235.7
Std Dev 212
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 46
Mean 0.00374
Std Dev 0.1148
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

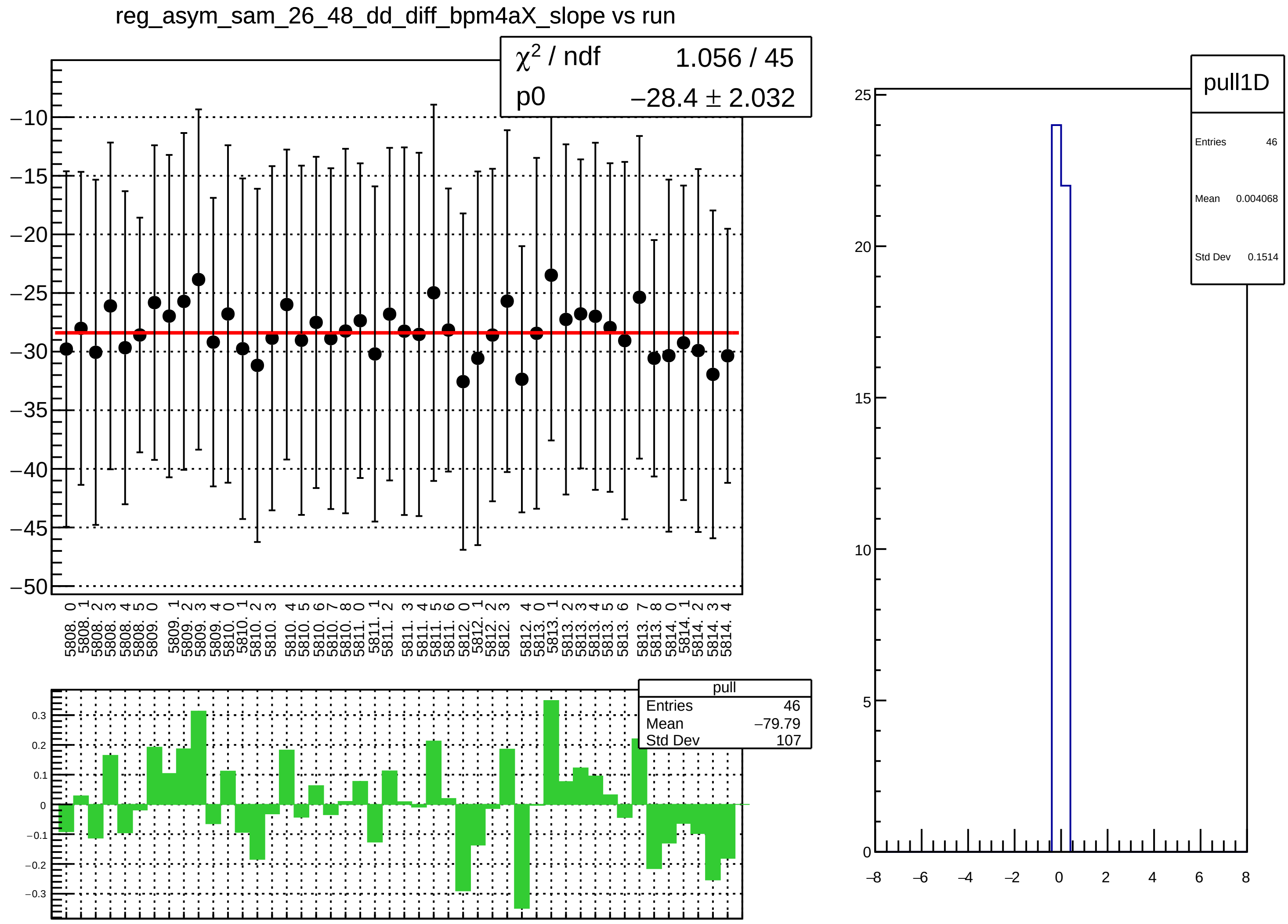

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.538 / 45
p0 −24.02 ± 2.183
pull
Entries 46
Mean −6407
Std Dev 6432
pull1D
Entries 46
Mean −0.0002671
Std Dev 0.2349

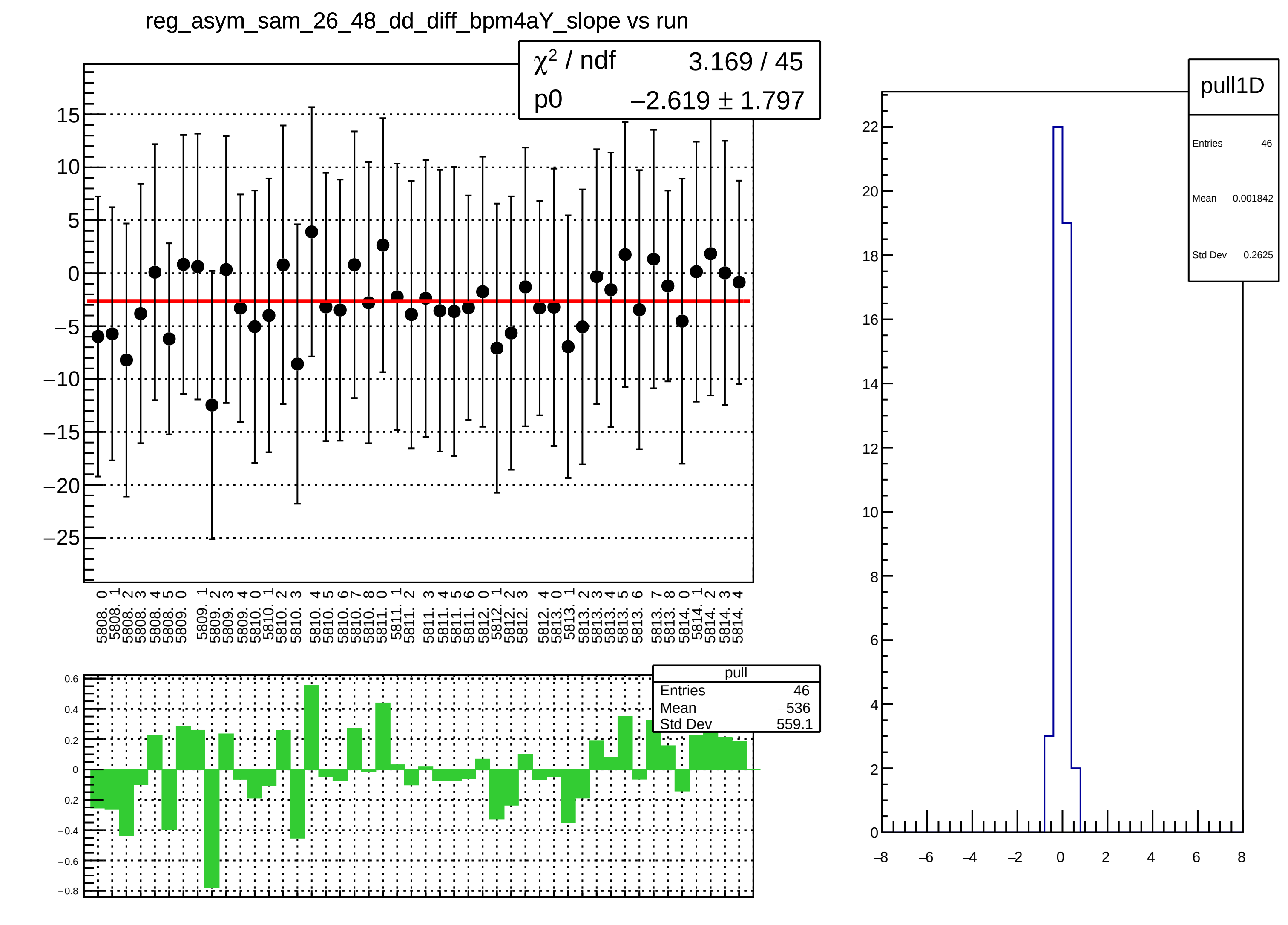

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.5868 / 45
p0 −47.76 ± 3.142
−20
−30
−40
−50
−60
−70
−80
pull
Entries 46
Mean 271.8
Std Dev 248.5
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 46
Mean −0.003372
Std Dev 0.1129
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8



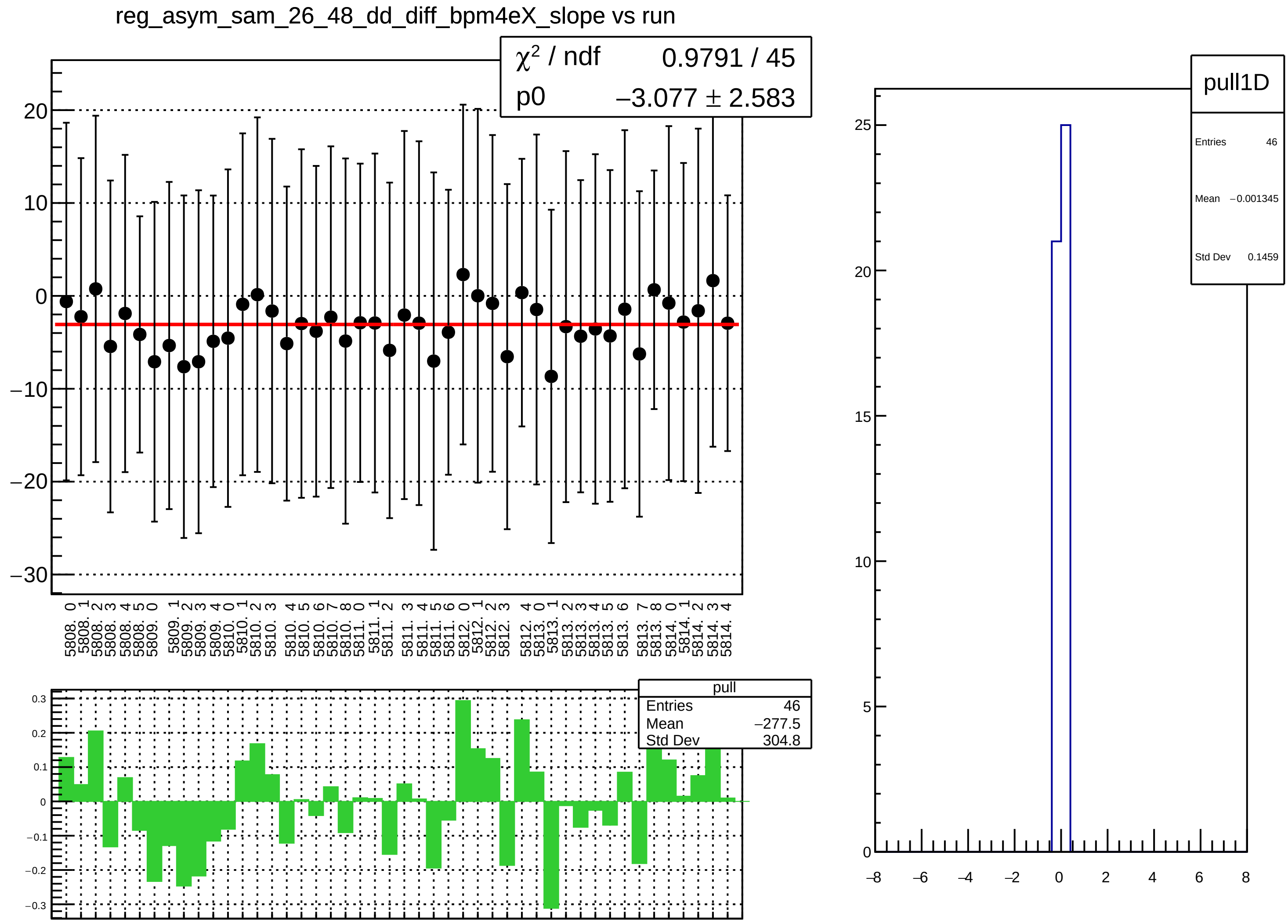
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ2 / ndf 2.01 / 45
p0 −21.43 ± 2.393
pull
Entries 46
Mean −1009
Std Dev 1033
pull1D
Entries 46
Mean 0.001457
Std Dev 0.209


reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.114 / 45
p0 −0.7443 ± 0.1427
pull
Entries 46
Mean −40.06
Std Dev 59.26
pull1D
Entries 46
Mean 0.007879
Std Dev 0.1554

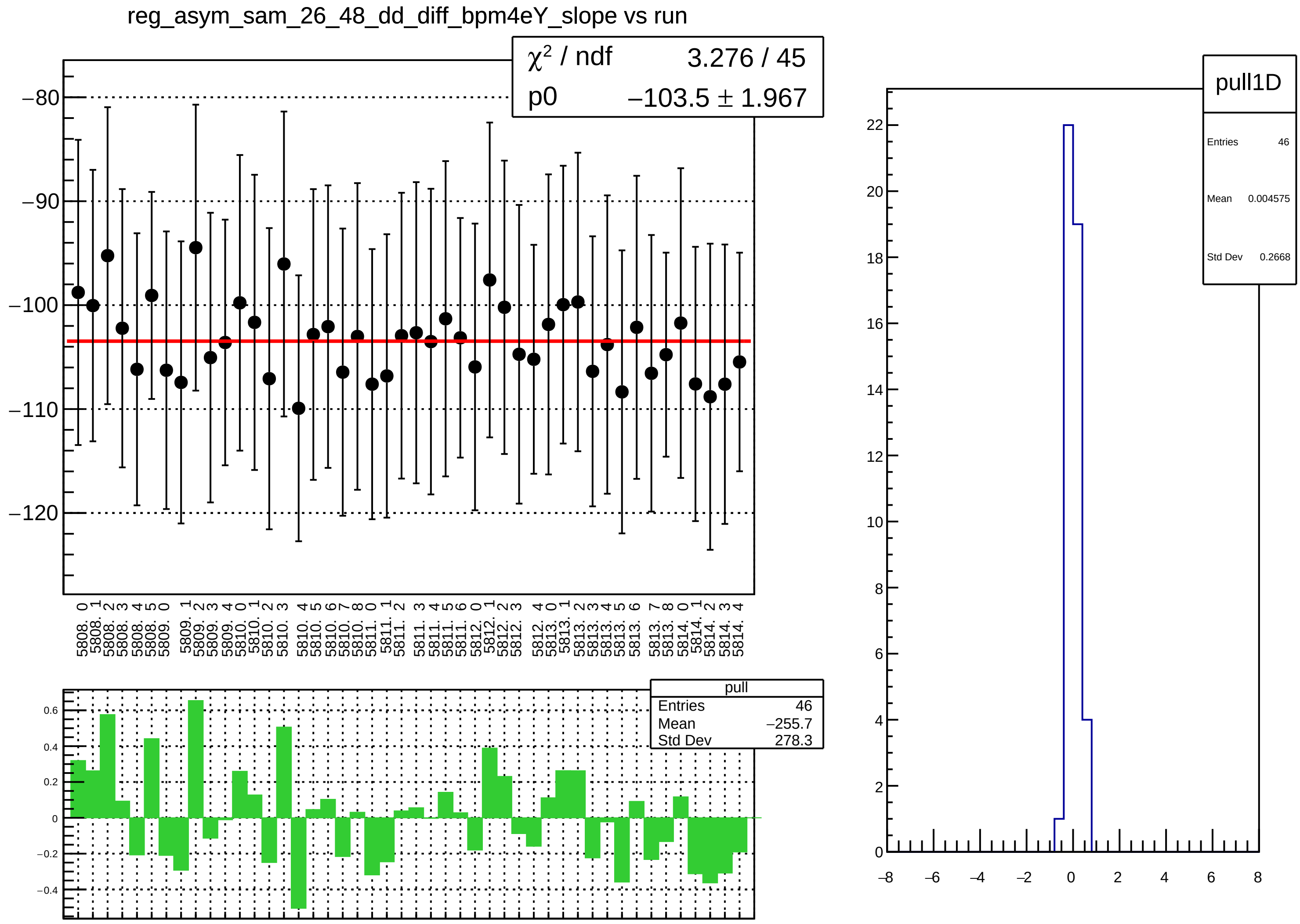

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 1.056 / 45
p0 −28.4 ± 2.032
pull
Entries 46
Mean −79.79
Std Dev 107
pull1D
Entries 46
Mean 0.004068
Std Dev 0.1514



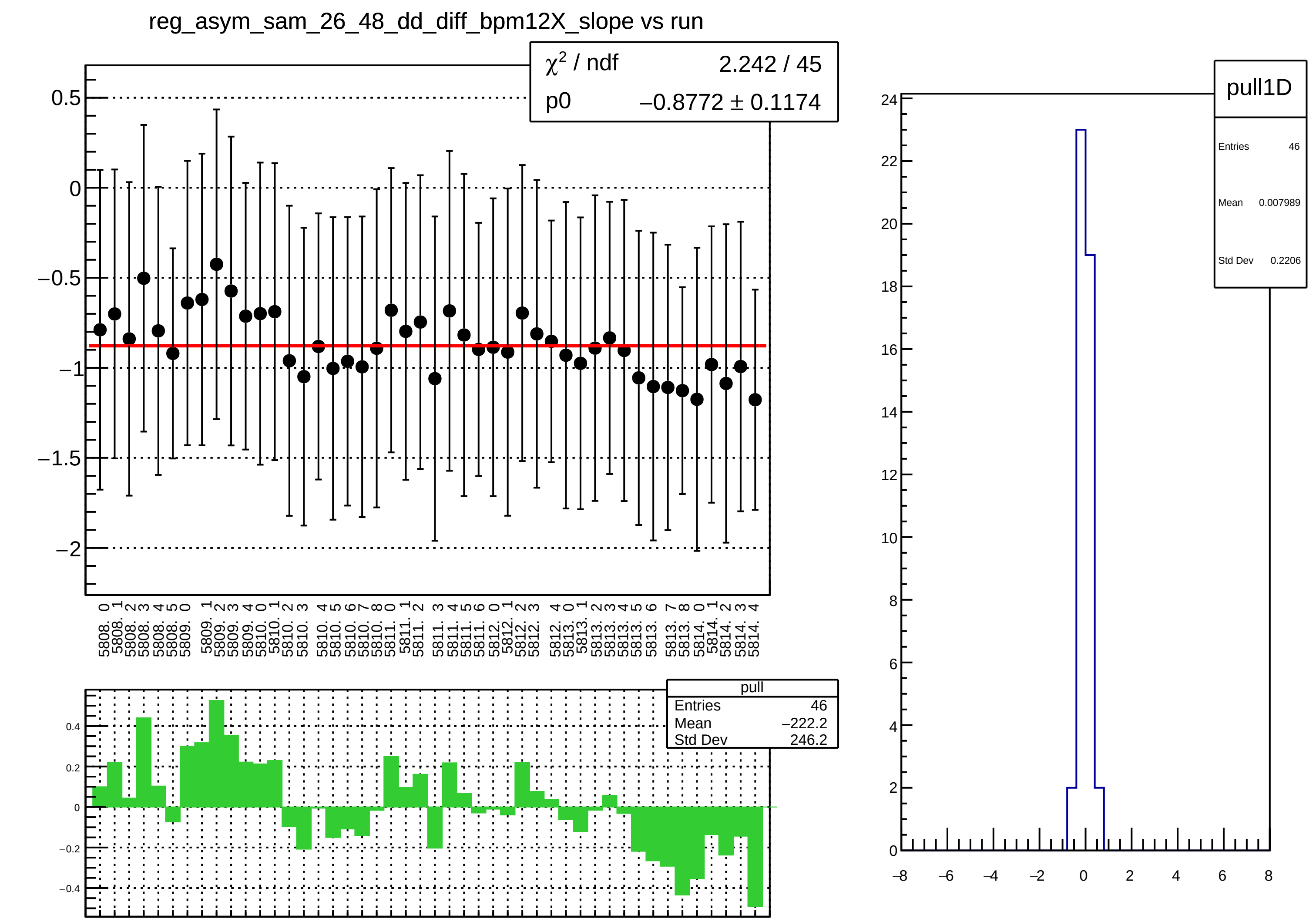
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.169 / 45
p0 −2.619 ± 1.797
pull
Entries 46
Mean −536
Std Dev 559.1
pull1D
Entries 46
Mean −0.001842
Std Dev 0.2625

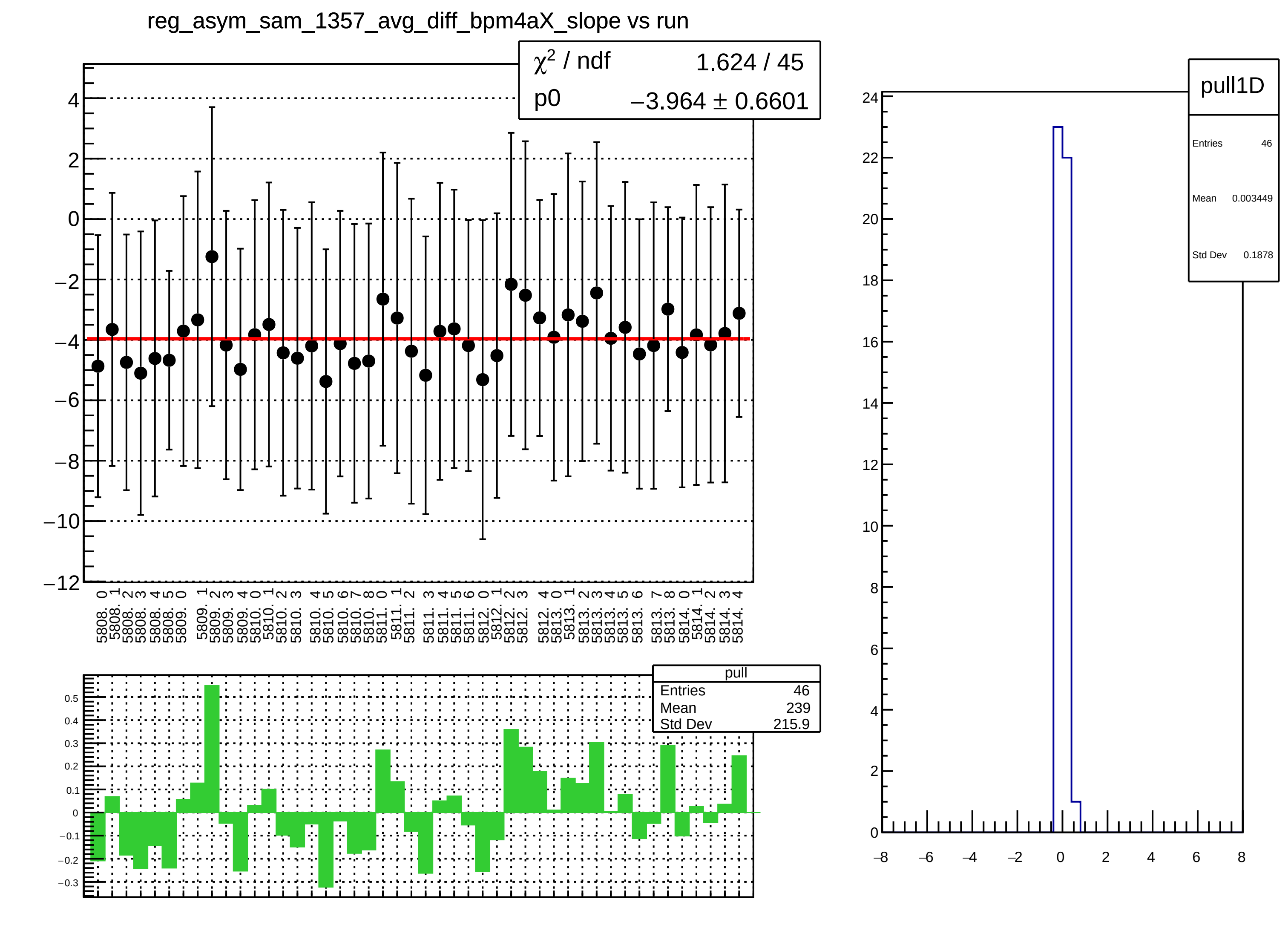


reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.9791 / 45
p0 −3.077 ± 2.583
pull
Entries 46
Mean −277.5
Std Dev 304.8
pull1D
Entries 46
Mean −0.001345
Std Dev 0.1459

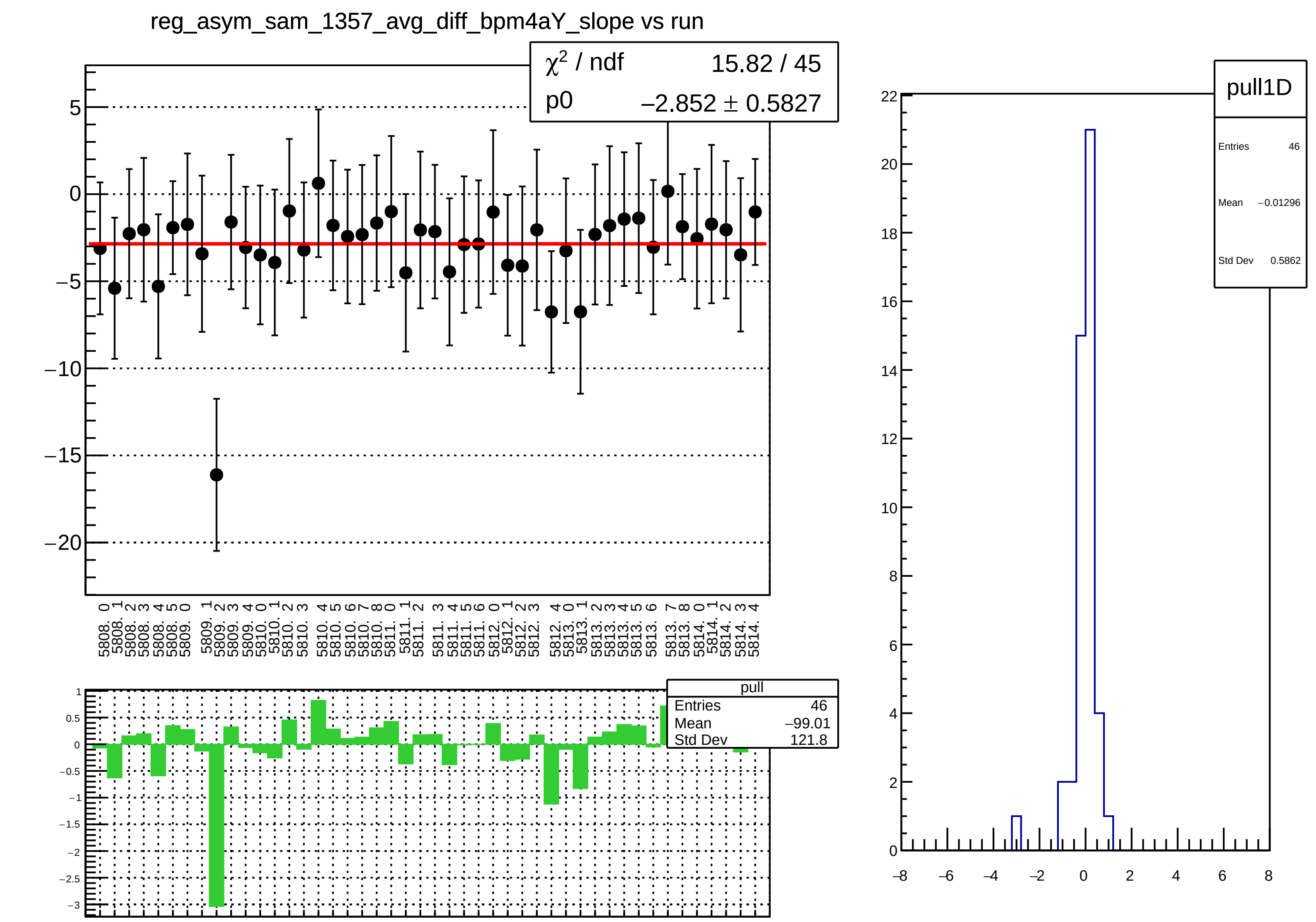


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.276 / 45
p0 −103.5 ± 1.967
pull
Entries 46
Mean −255.7
Std Dev 278.3
pull1D
Entries 46
Mean 0.004575
Std Dev 0.2668

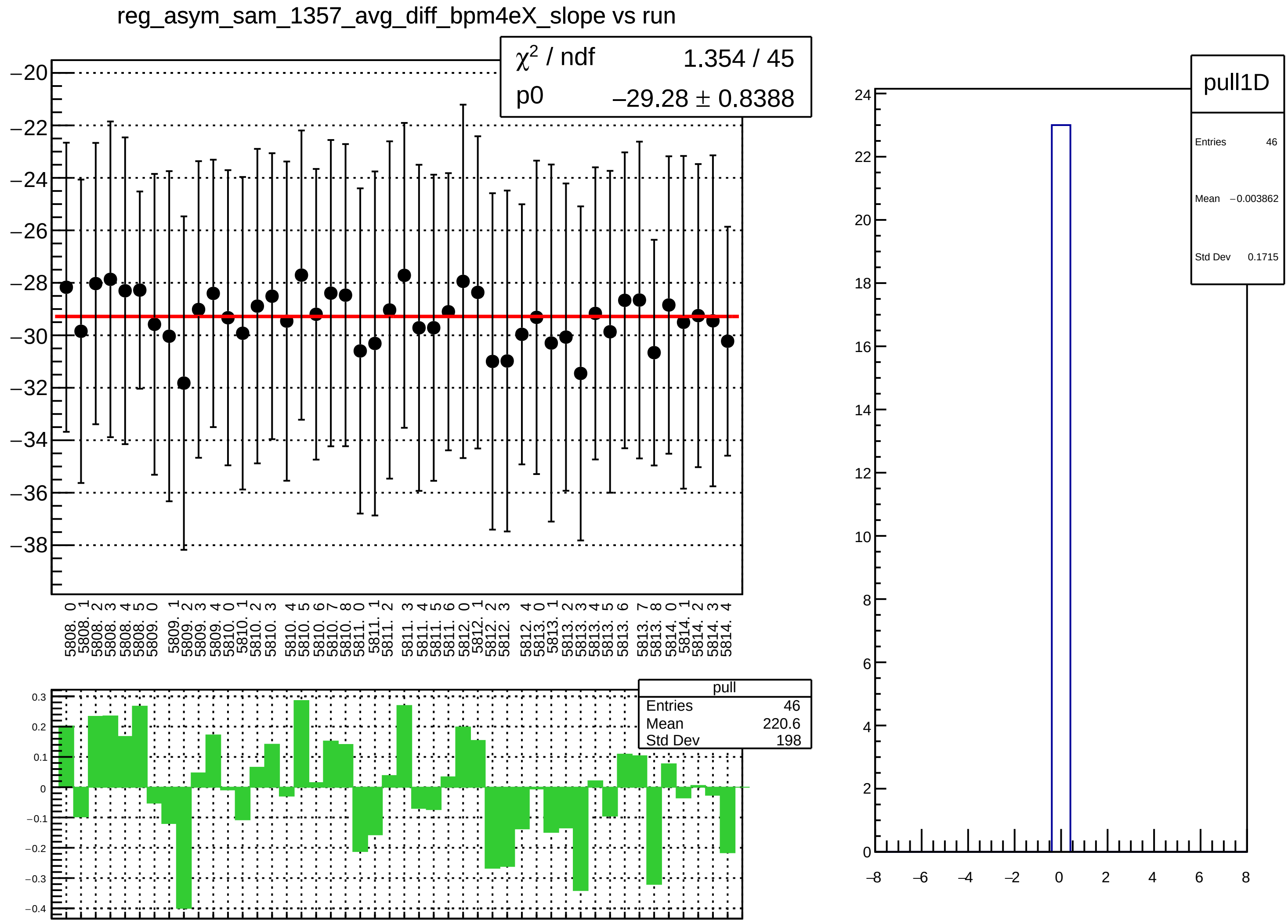

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.242 / 45
p0 −0.8772 ± 0.1174
pull
Entries 46
Mean −222.2
Std Dev 246.2
pull1D
Entries 46
Mean 0.007989
Std Dev 0.2206



reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 1.624 / 45
p0 −3.964 ± 0.6601
pull
Entries 46
Mean 239
Std Dev 215.9
pull1D
Entries 46
Mean 0.003449
Std Dev 0.1878

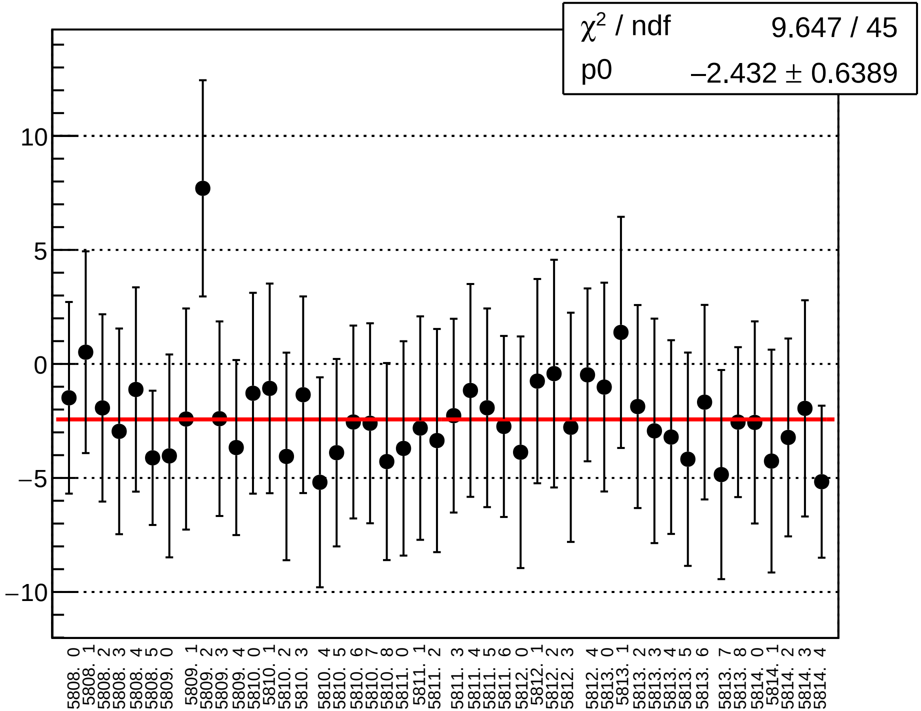


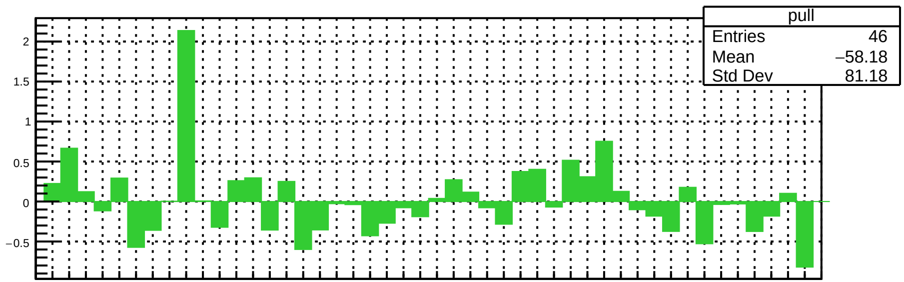
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ2 / ndf 15.82 / 45
p0 −2.852 ± 0.5827
pull
Entries 46
Mean −99.01
Std Dev 121.8
pull1D
Entries 46
Mean −0.01296
Std Dev 0.5862

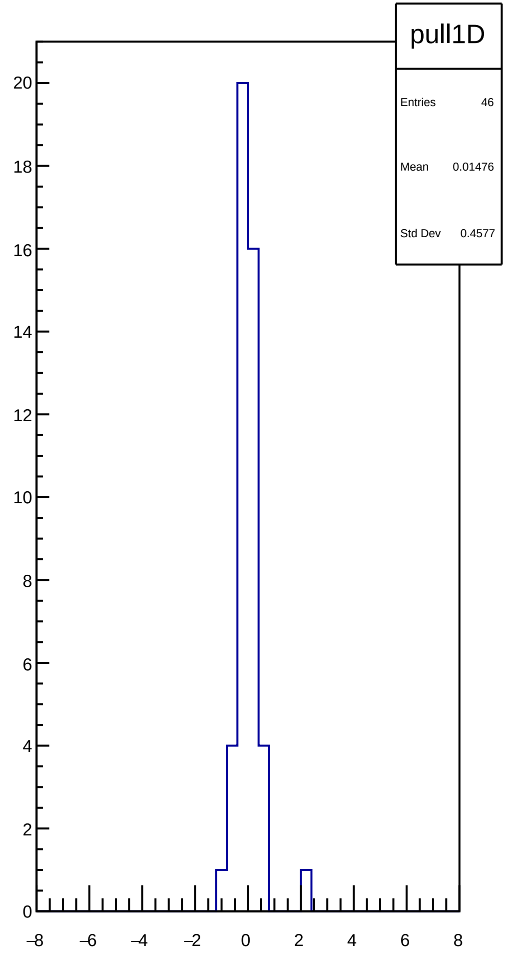


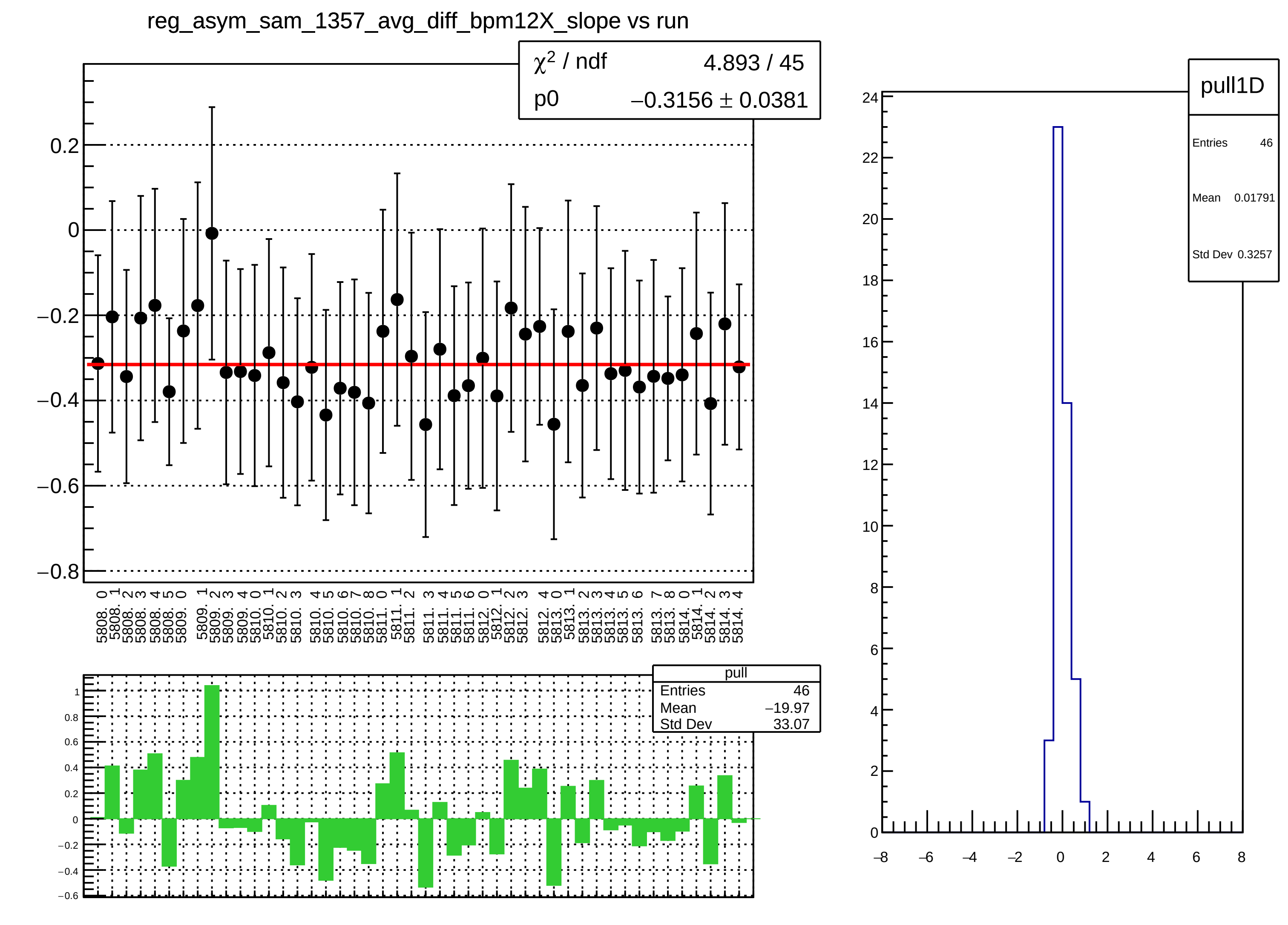
reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1.354 / 45
p0 −29.28 ± 0.8388
pull
Entries 46
Mean 220.6
Std Dev 198
pull1D
Entries 46
Mean −0.003862
Std Dev 0.1715

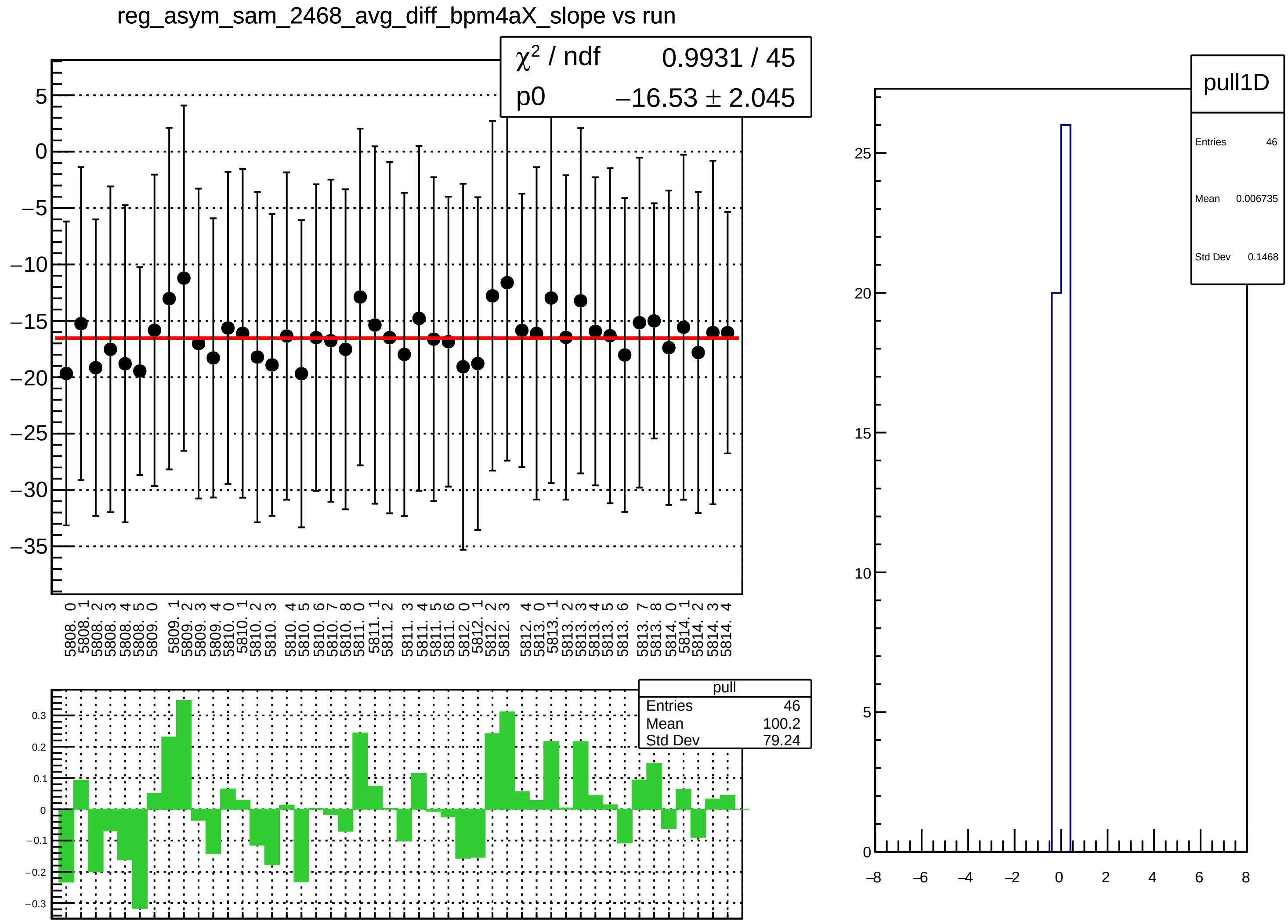
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run



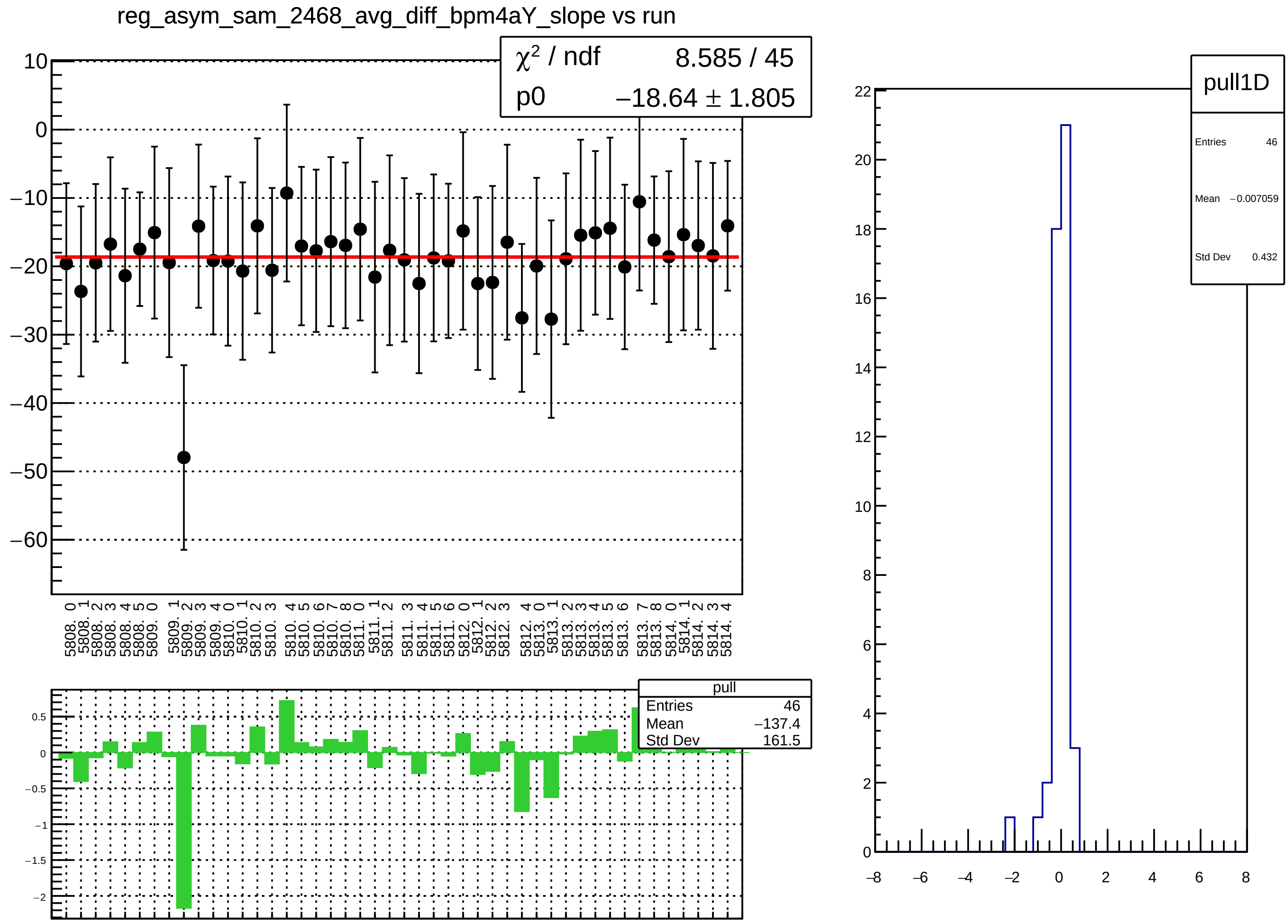




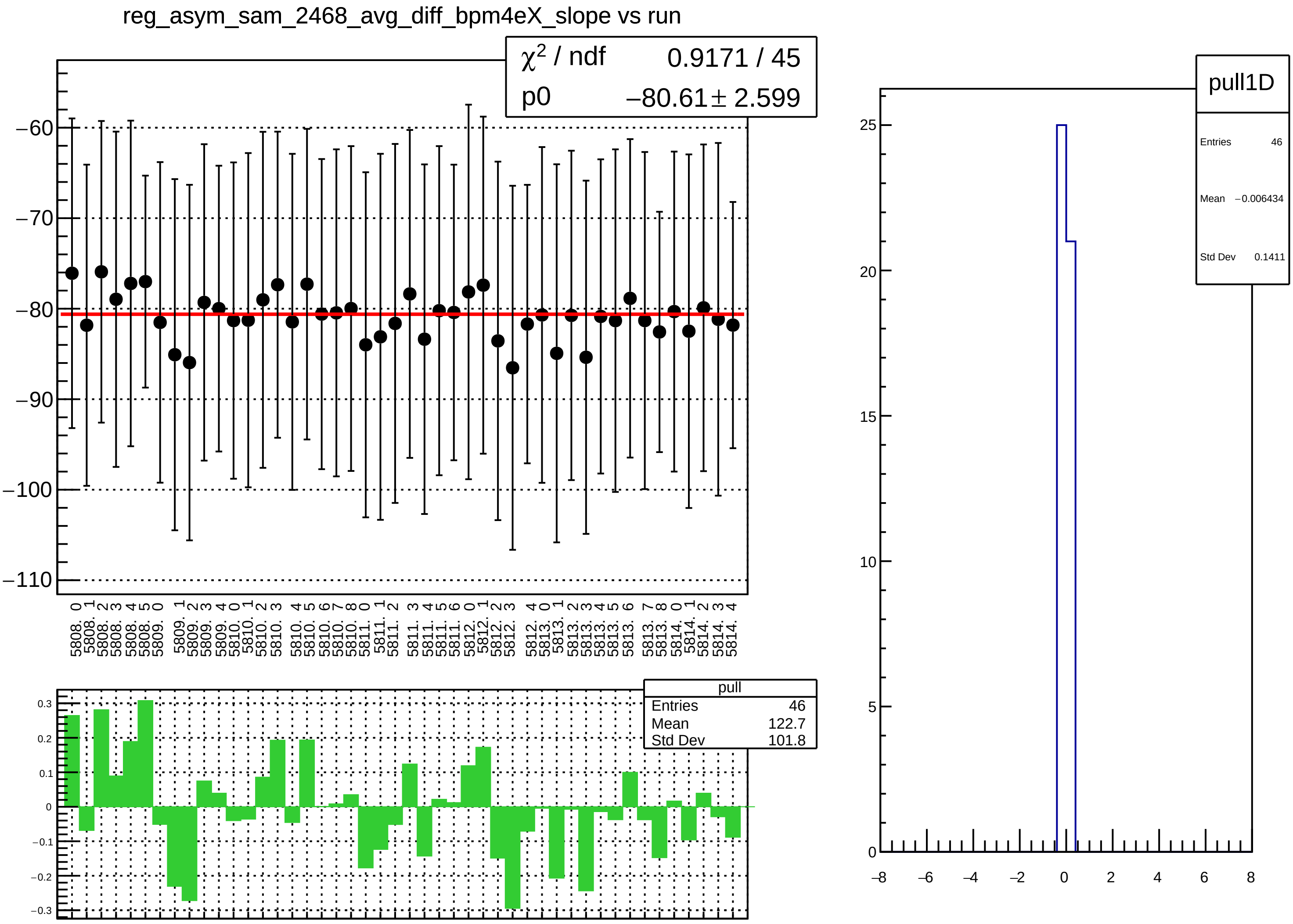

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 4.893 / 45
p0 −0.3156 ± 0.0381
pull
Entries 46
Mean −19.97
Std Dev 33.07
pull1D
Entries 46
Mean 0.01791
Std Dev 0.3257



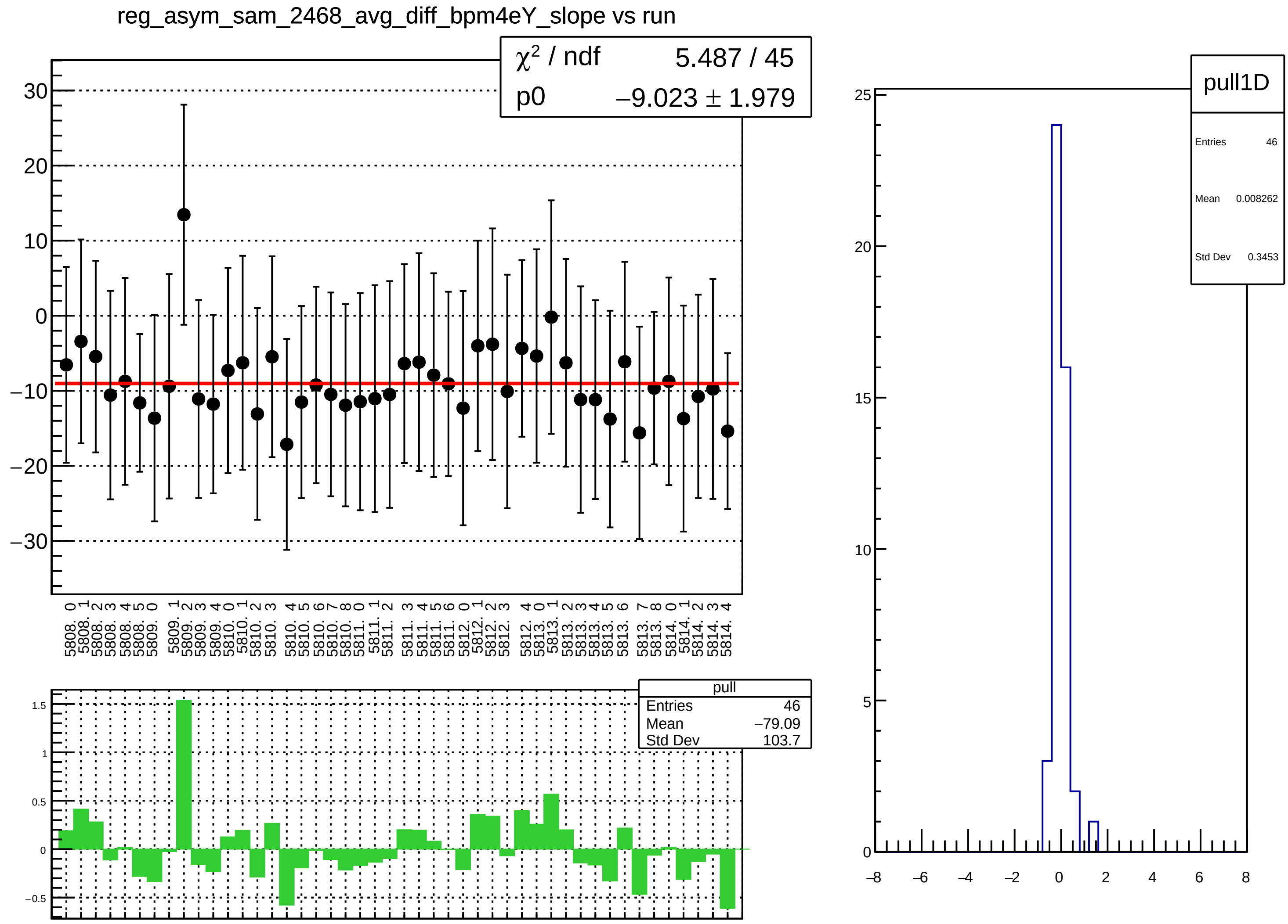
reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ2 / ndf 0.9931 / 45
p0 −16.53 ± 2.045
pull
Entries 46
Mean 100.2
Std Dev 79.24
pull1D
Entries 46
Mean 0.006735
Std Dev 0.1468



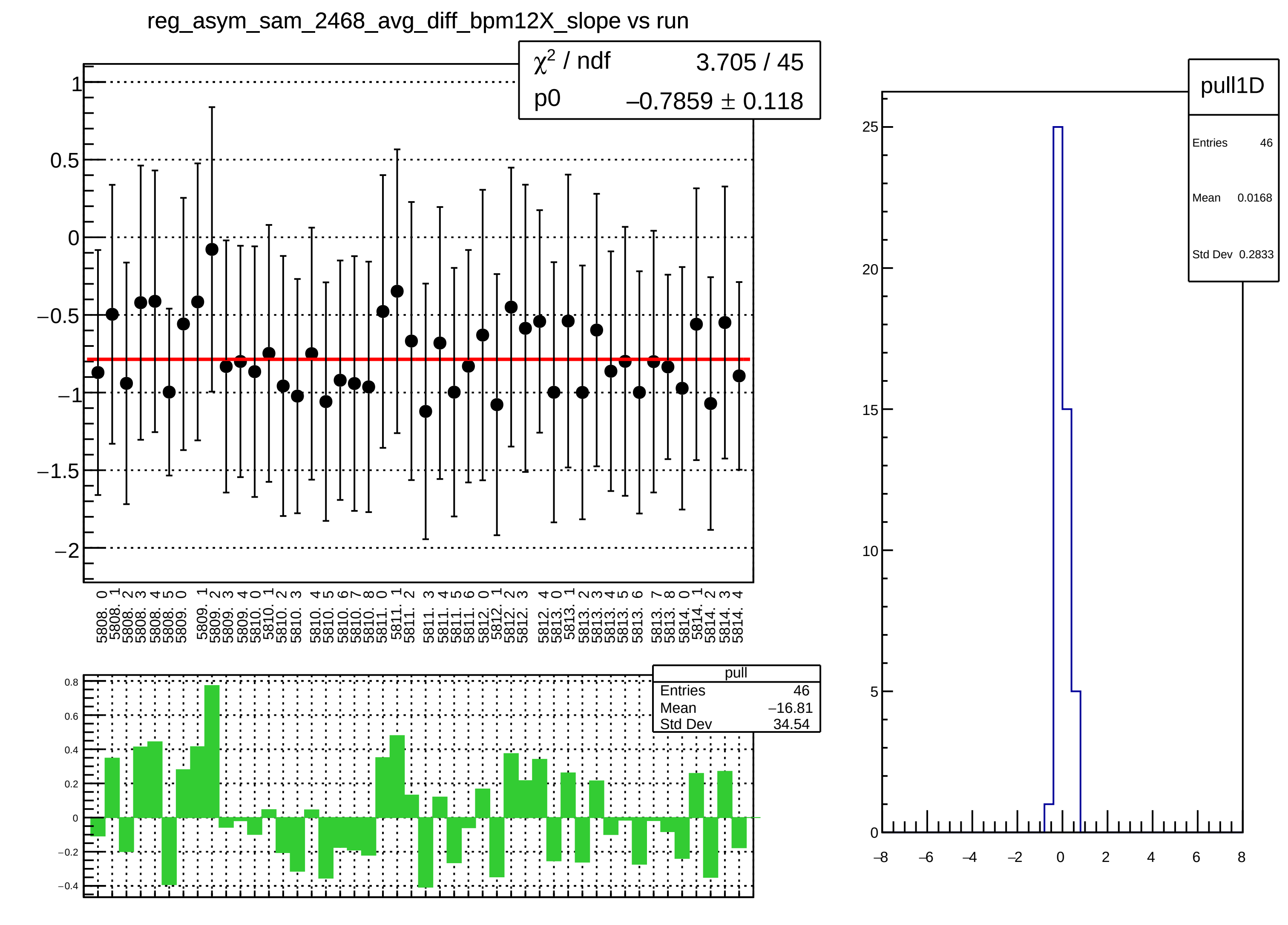
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.585 / 45
p0 −18.64 ± 1.805
pull
Entries 46
Mean −137.4
Std Dev 161.5
pull1D
Entries 46
Mean −0.007059
Std Dev 0.432



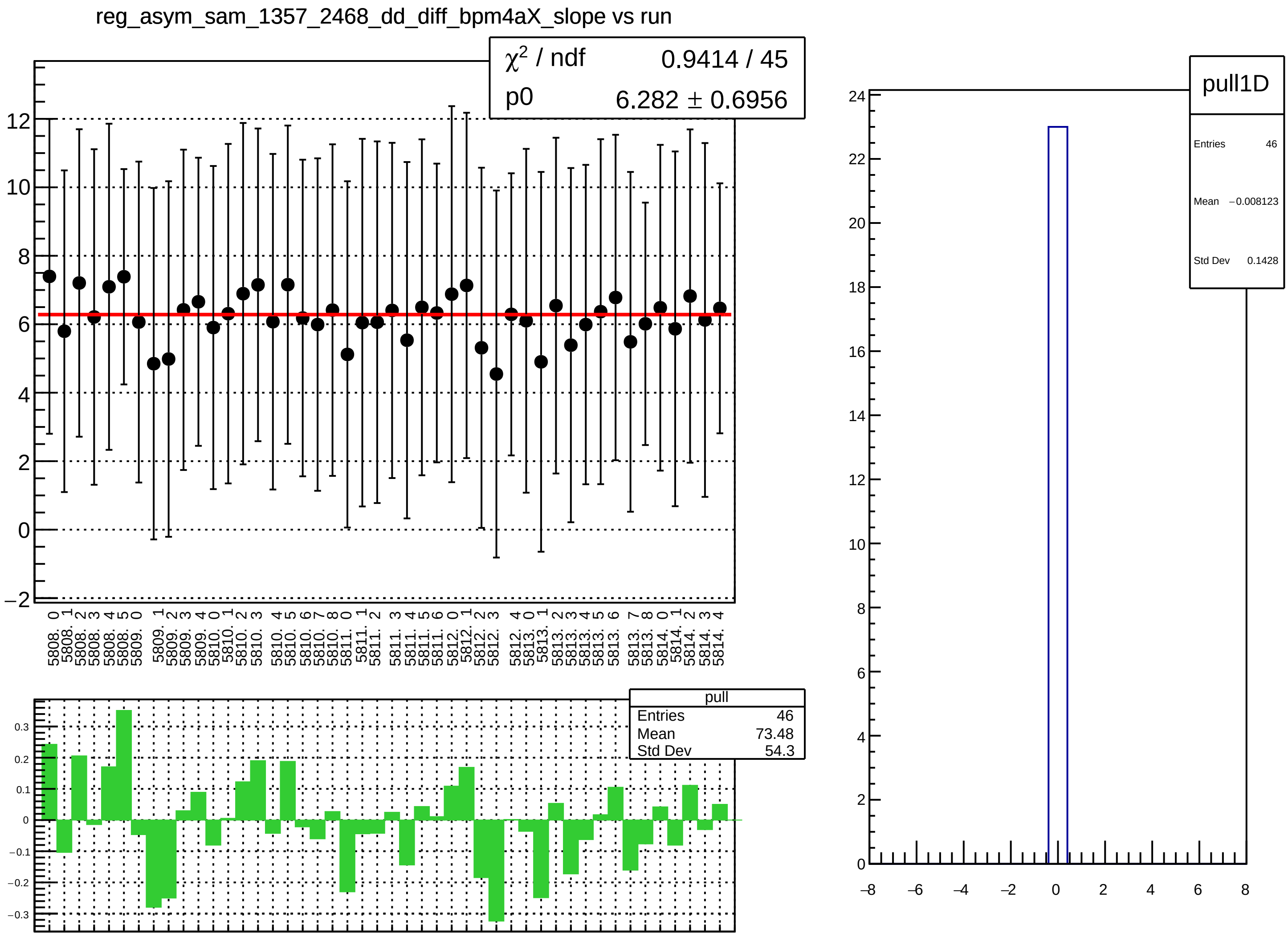
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ2 / ndf 0.9171 / 45
p0 −80.61 ± 2.599
pull
Entries 46
Mean 122.7
Std Dev 101.8
pull1D
Entries 46
Mean −0.006434
Std Dev 0.1411



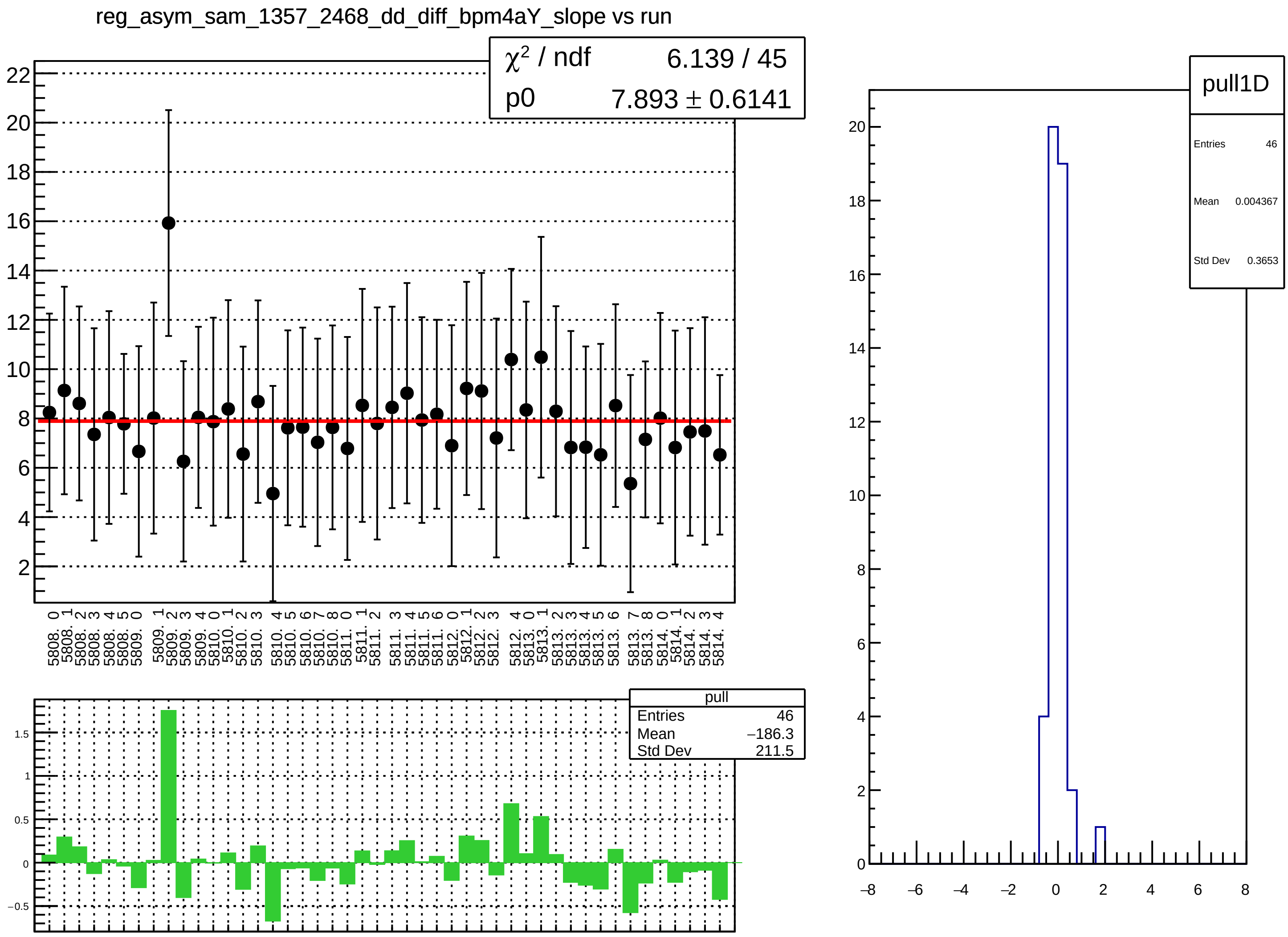
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ2 / ndf 5.487 / 45
p0 −9.023 ± 1.979
pull
Entries 46
Mean −79.09
Std Dev 103.7
pull1D
Entries 46
Mean 0.008262
Std Dev 0.3453



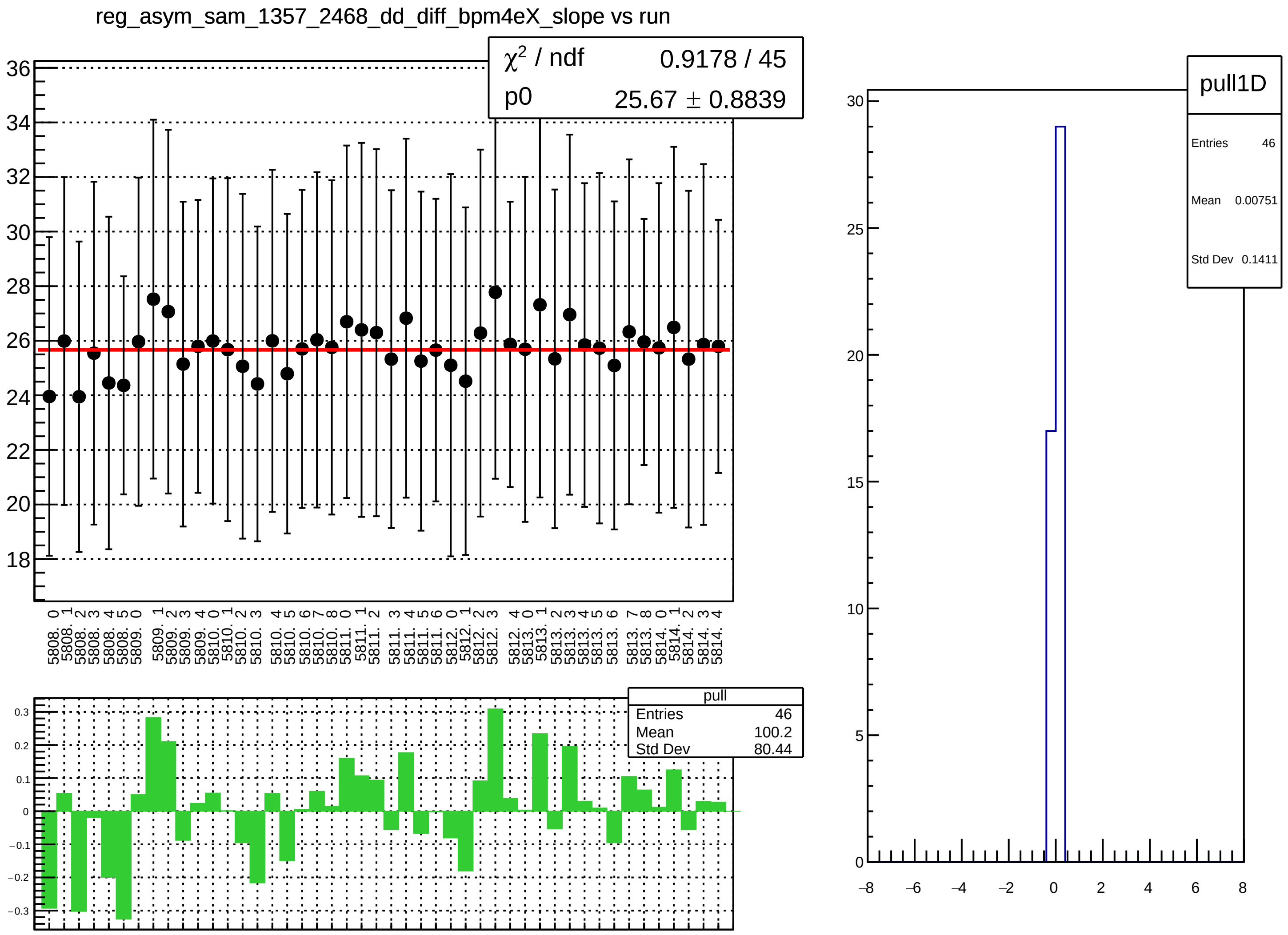
reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.705 / 45
p0 −0.7859 ± 0.118
pull
Entries 46
Mean −16.81
Std Dev 34.54
pull1D
Entries 46
Mean 0.0168
Std Dev 0.2833



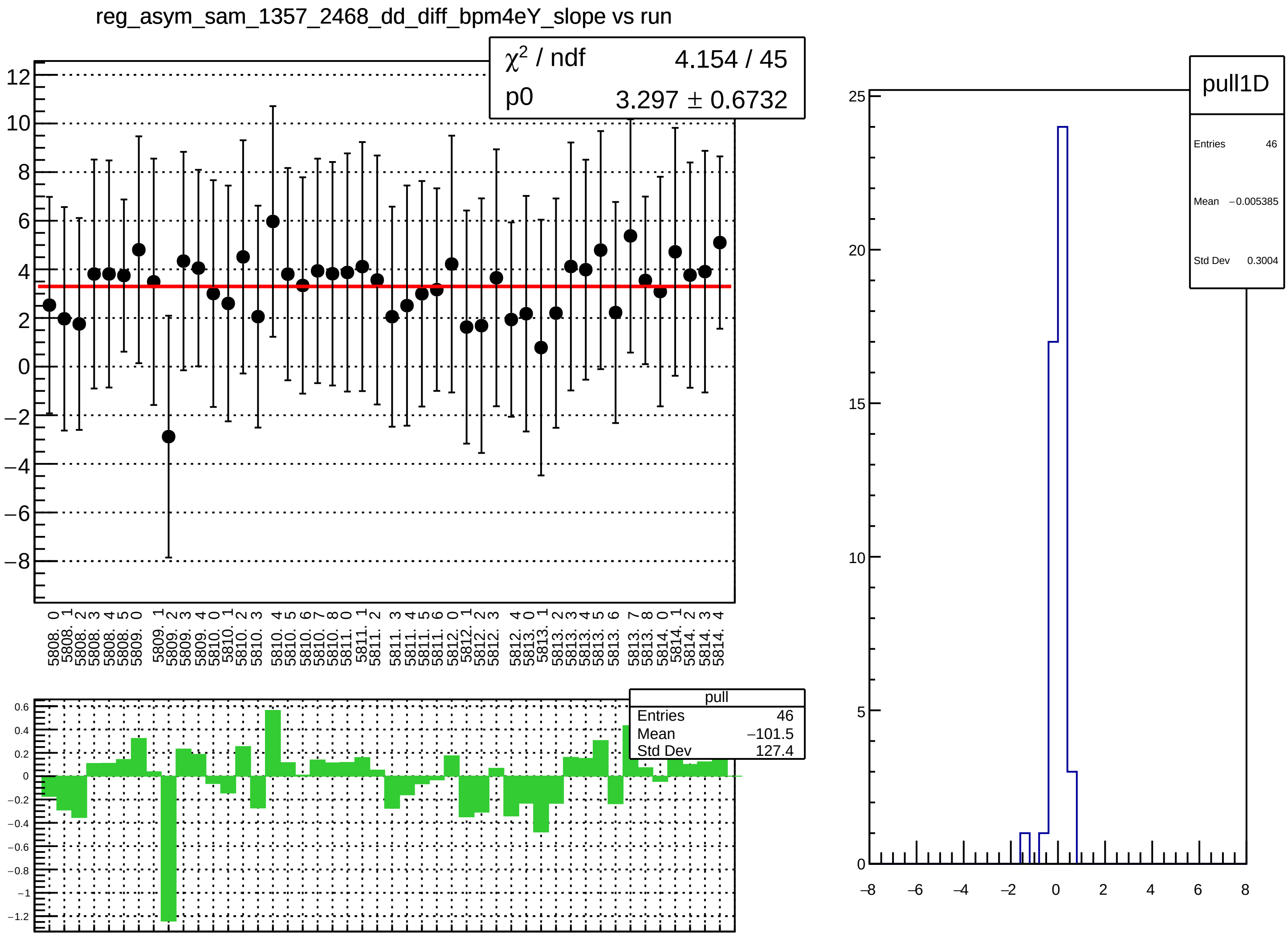
reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 0.9414 / 45
p0 6.282 ± 0.6956
pull
Entries 46
Mean 73.48
Std Dev 54.3
pull1D
Entries 46
Mean −0.008123
Std Dev 0.1428



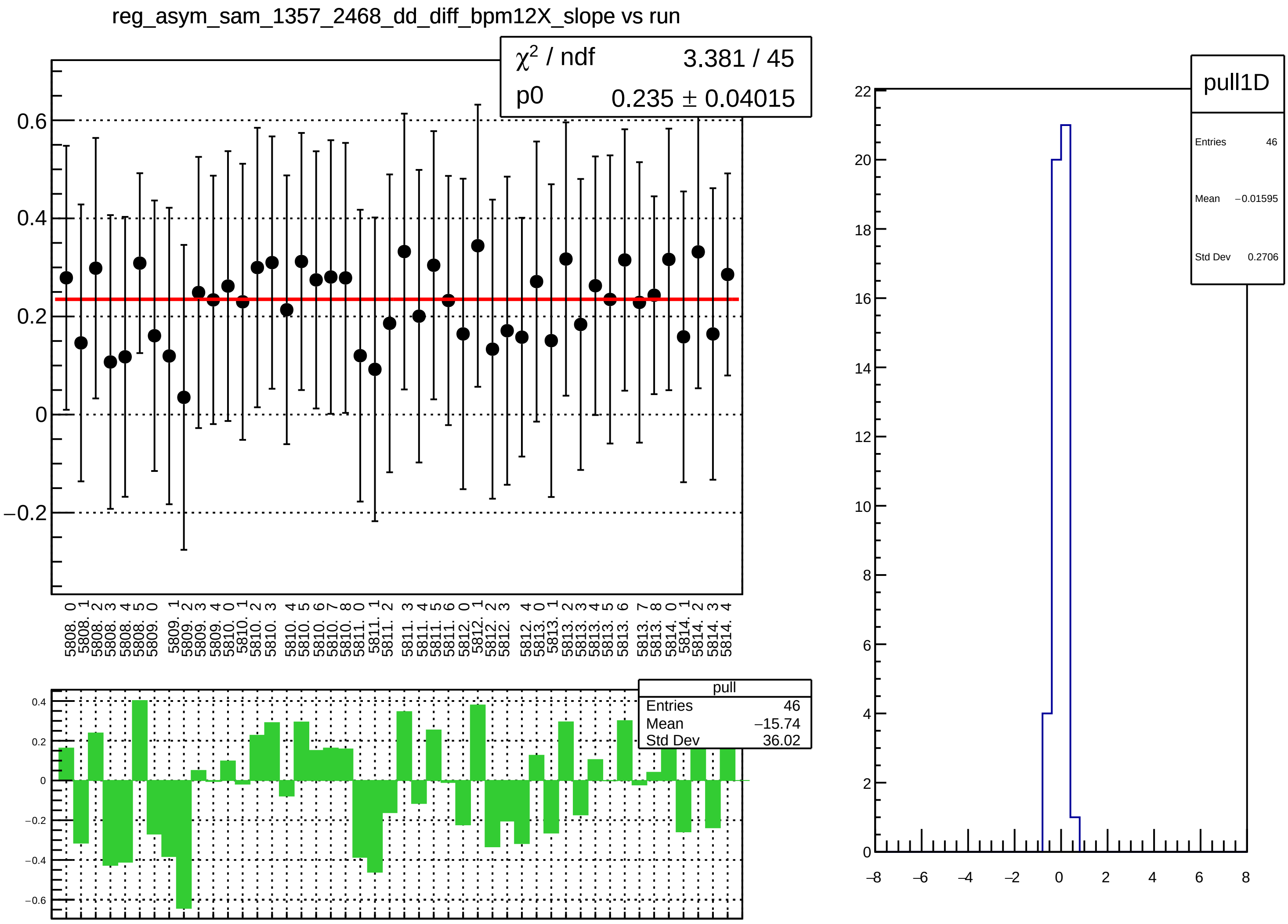
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.139 / 45
p0 7.893 ± 0.6141
pull
Entries 46
Mean −186.3
Std Dev 211.5
pull1D
Entries 46
Mean 0.004367
Std Dev 0.3653



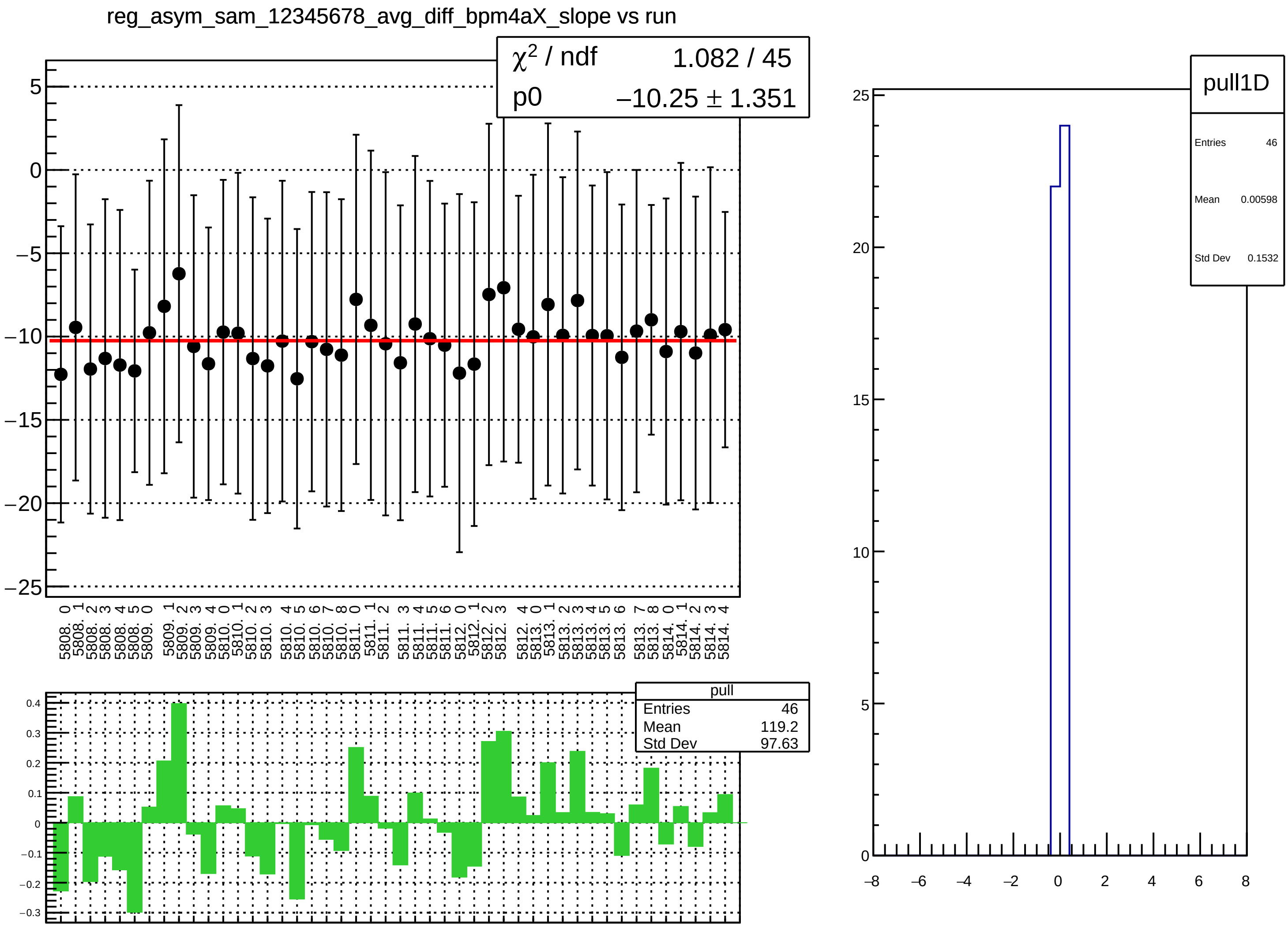
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ2 / ndf 0.9178 / 45
p0 25.67 ± 0.8839
pull
Entries 46
Mean 100.2
Std Dev 80.44
pull1D
Entries 46
Mean 0.00751
Std Dev 0.1411



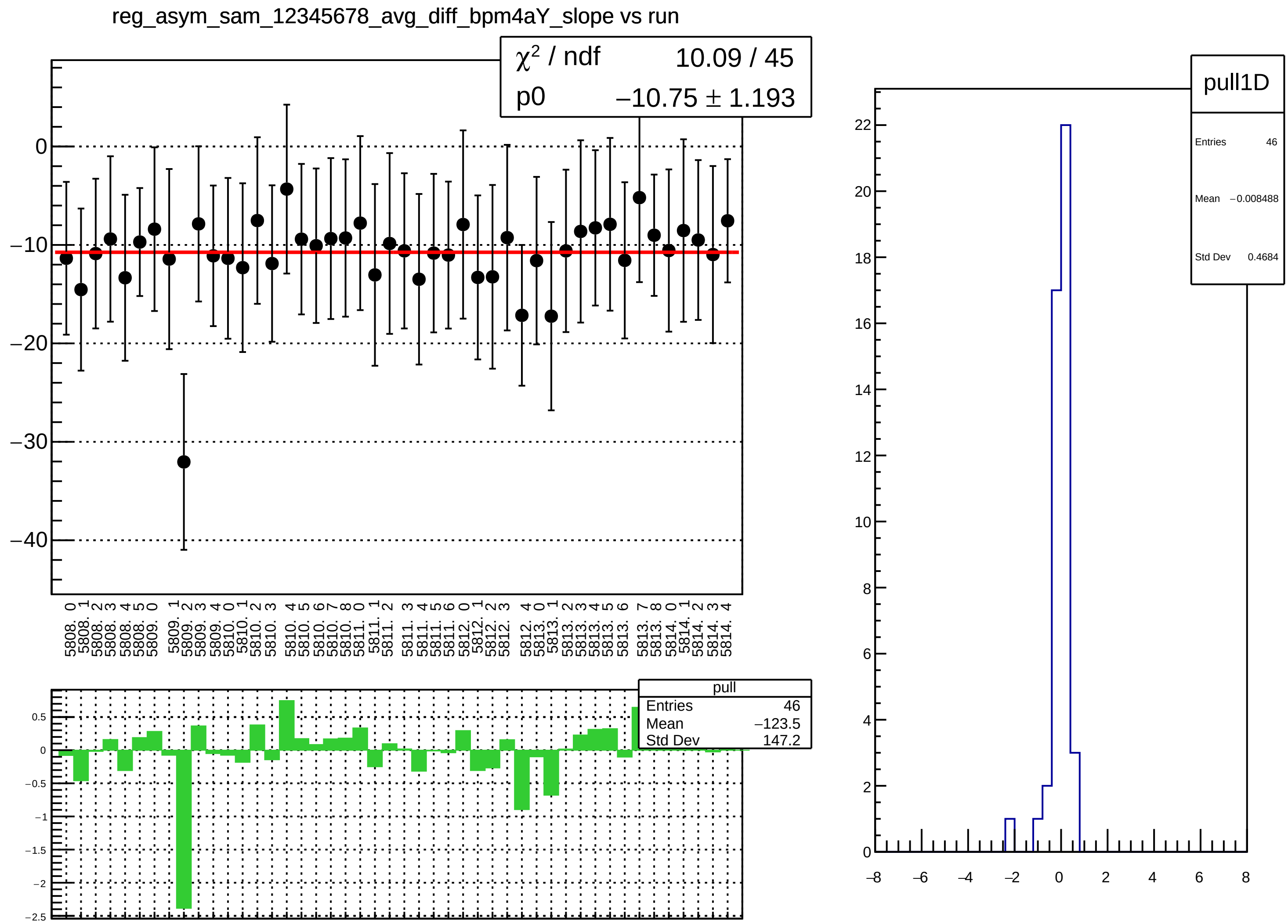
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.154 / 45
p0 3.297 ± 0.6732
pull
Entries 46
Mean −101.5
Std Dev 127.4
pull1D
Entries 46
Mean −0.005385
Std Dev 0.3004



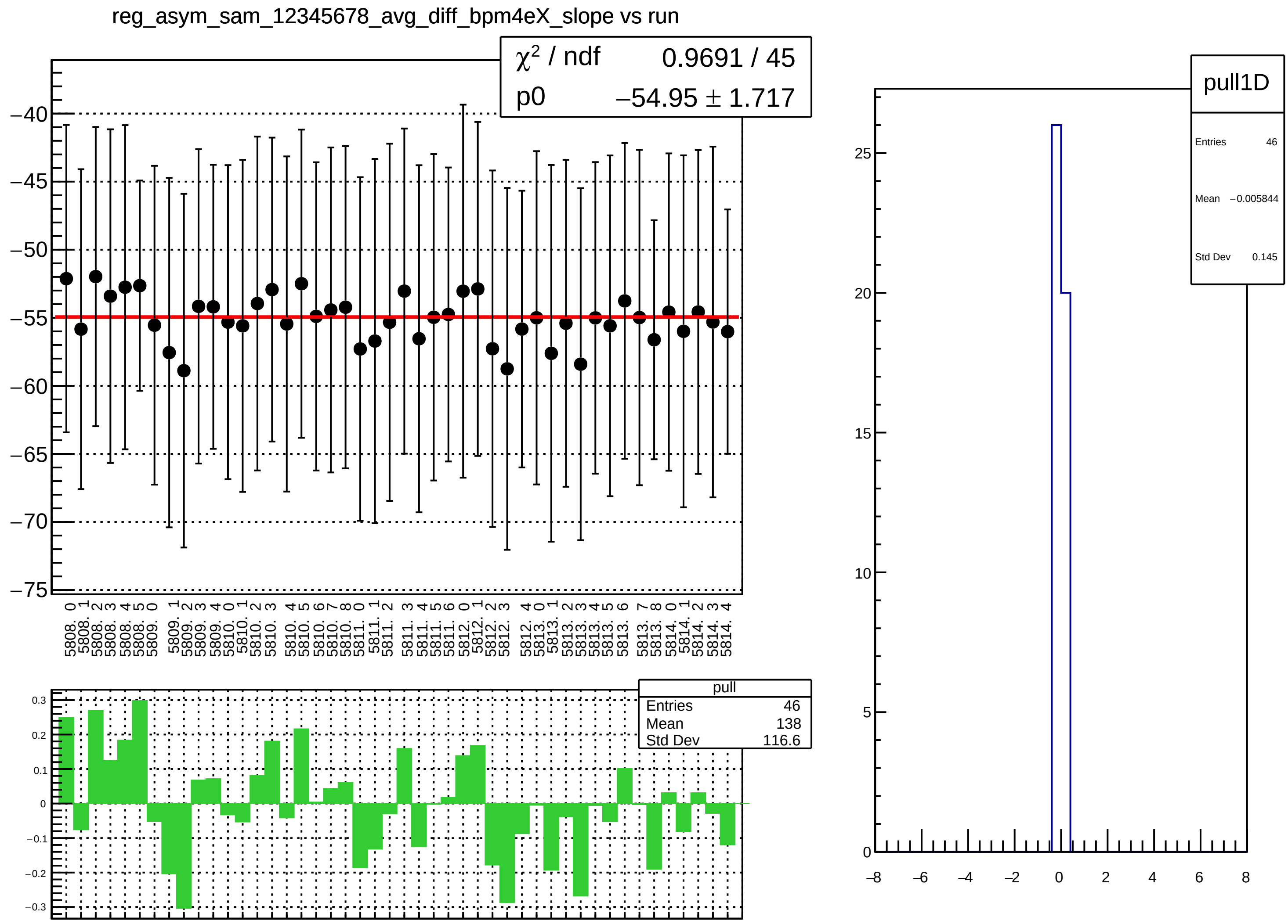
reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.381 / 45
p0 0.235 ± 0.04015
pull
Entries 46
Mean −15.74
Std Dev 36.02
pull1D
Entries 46
Mean −0.01595
Std Dev 0.2706



reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 1.082 / 45
p0 −10.25 ± 1.351
pull
Entries 46
Mean 119.2
Std Dev 97.63
pull1D
Entries 46
Mean 0.00598
Std Dev 0.1532

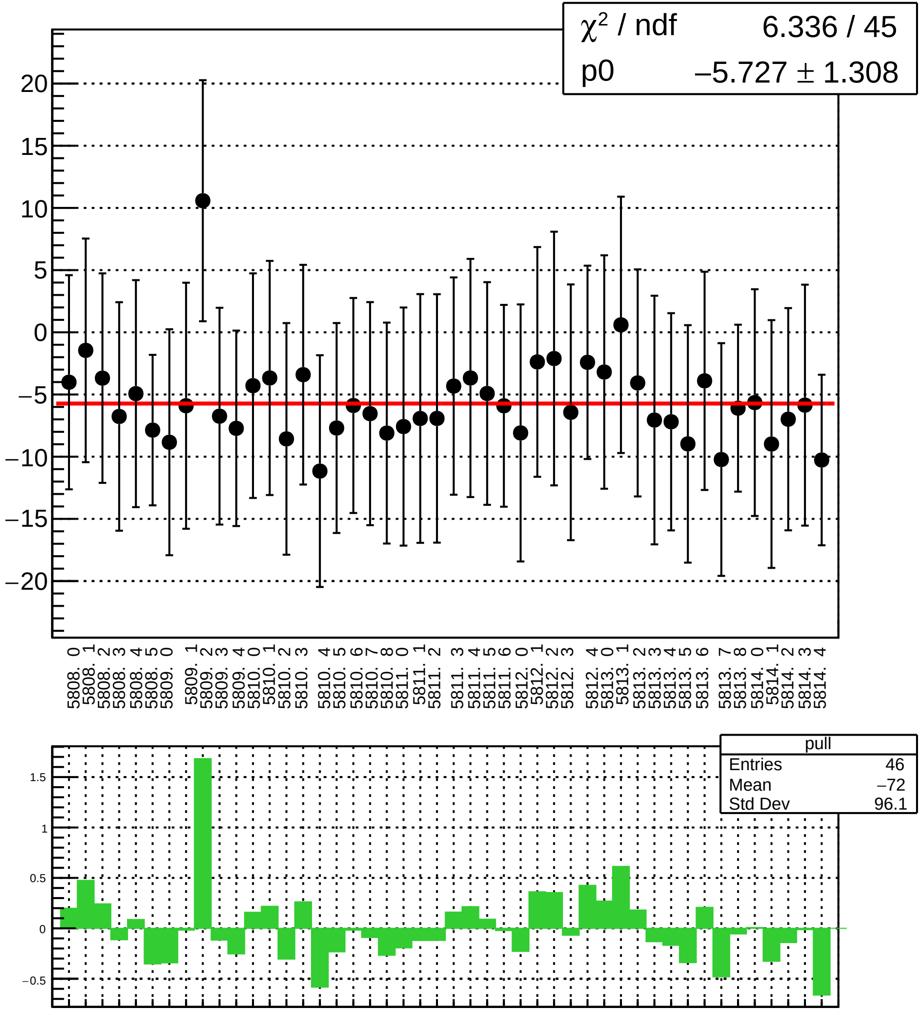


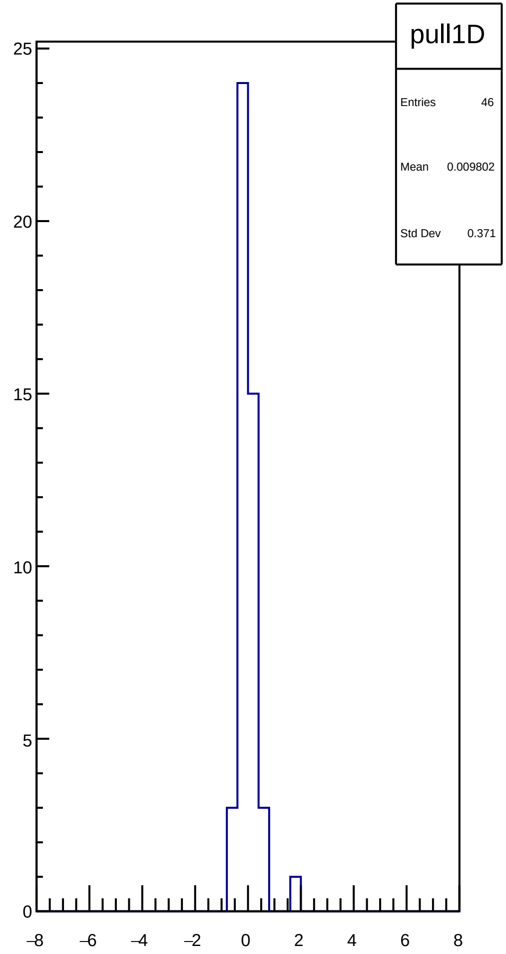
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ2 / ndf 10.09 / 45
p0 −10.75 ± 1.193
pull
Entries 46
Mean −123.5
Std Dev 147.2
pull1D
Entries 46
Mean −0.008488
Std Dev 0.4684

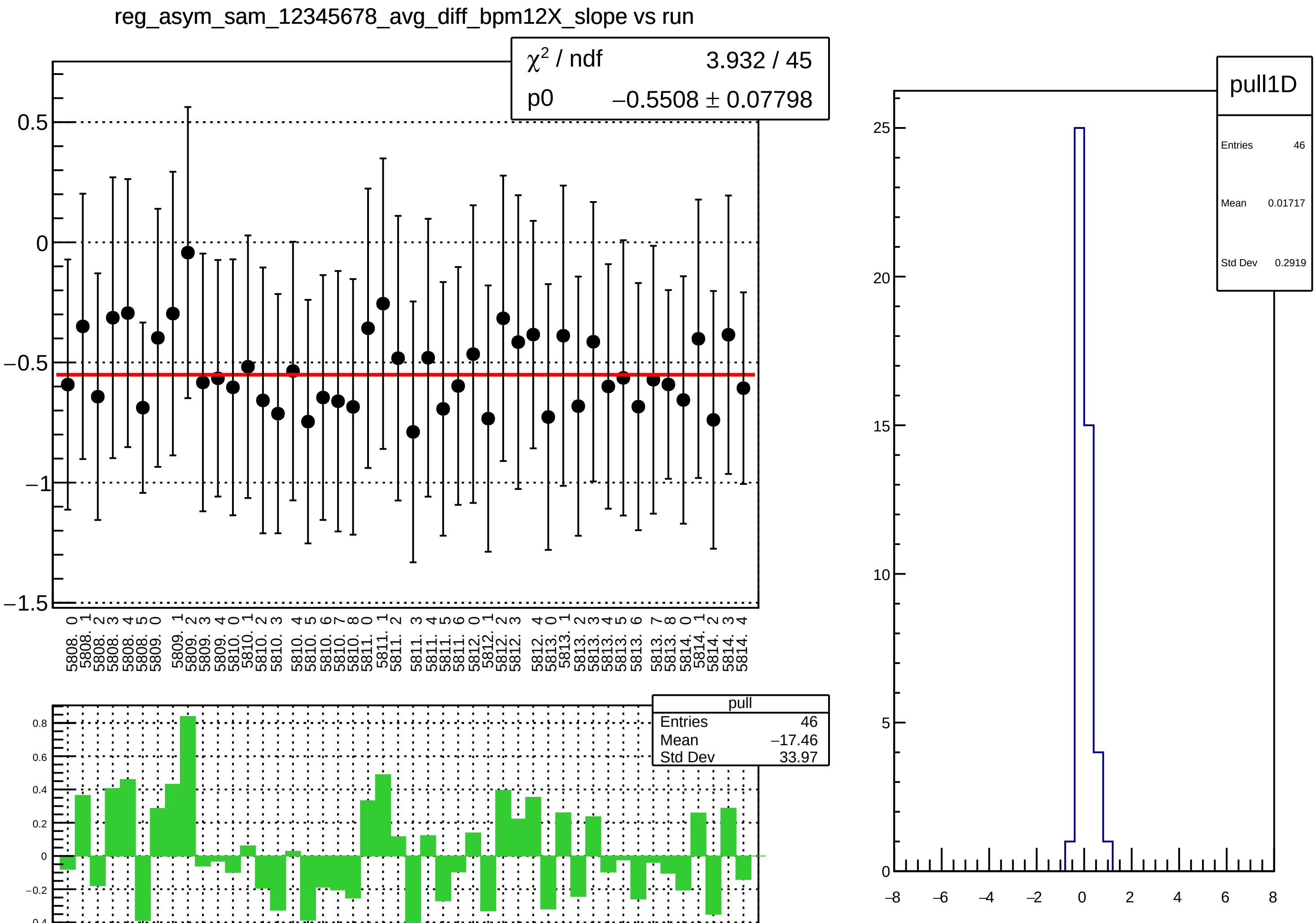


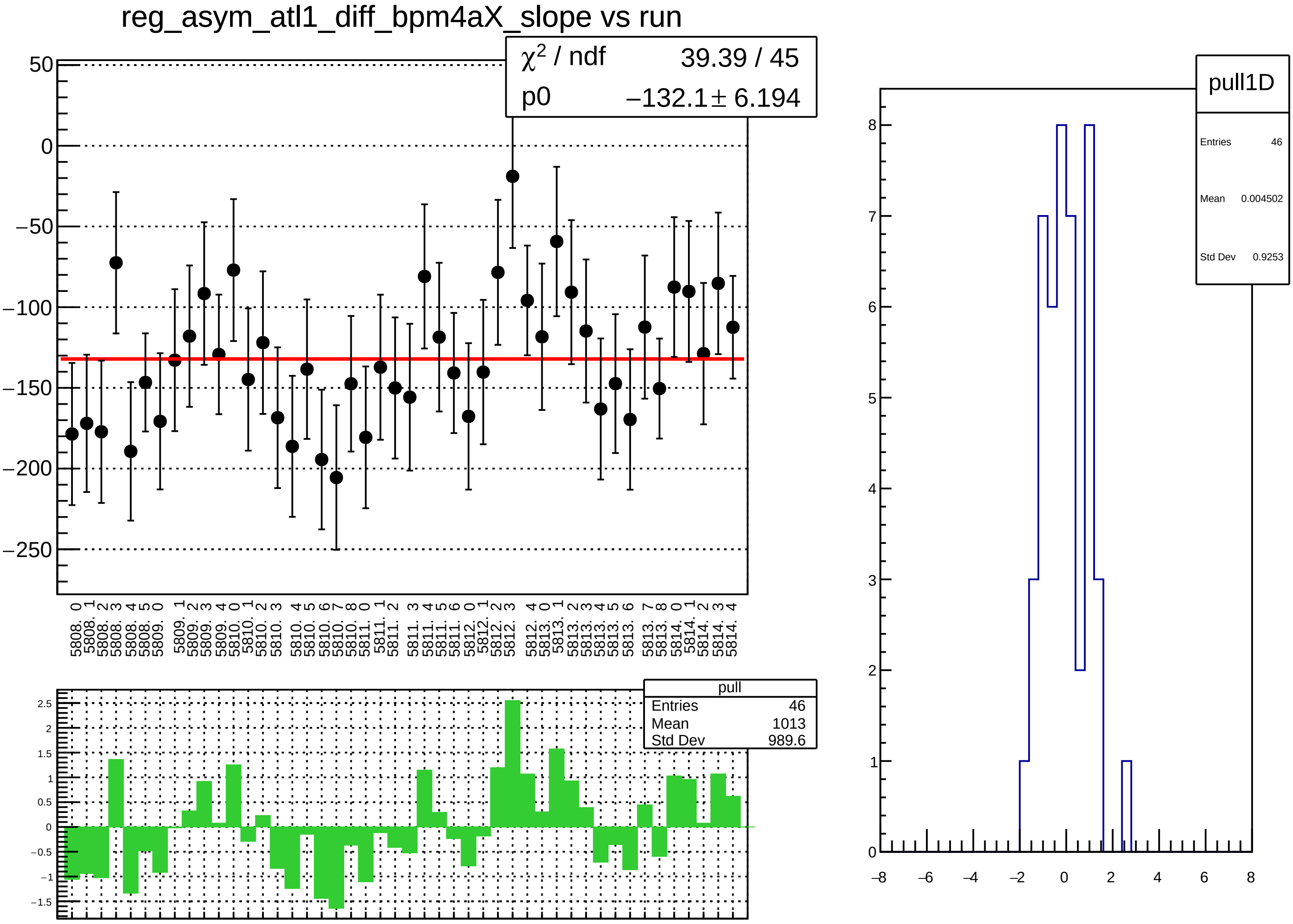
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ2 / ndf 0.9691 / 45
p0 −54.95 ± 1.717
pull
Entries 46
Mean 138
Std Dev 116.6
pull1D
Entries 46
Mean −0.005844
Std Dev 0.145

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

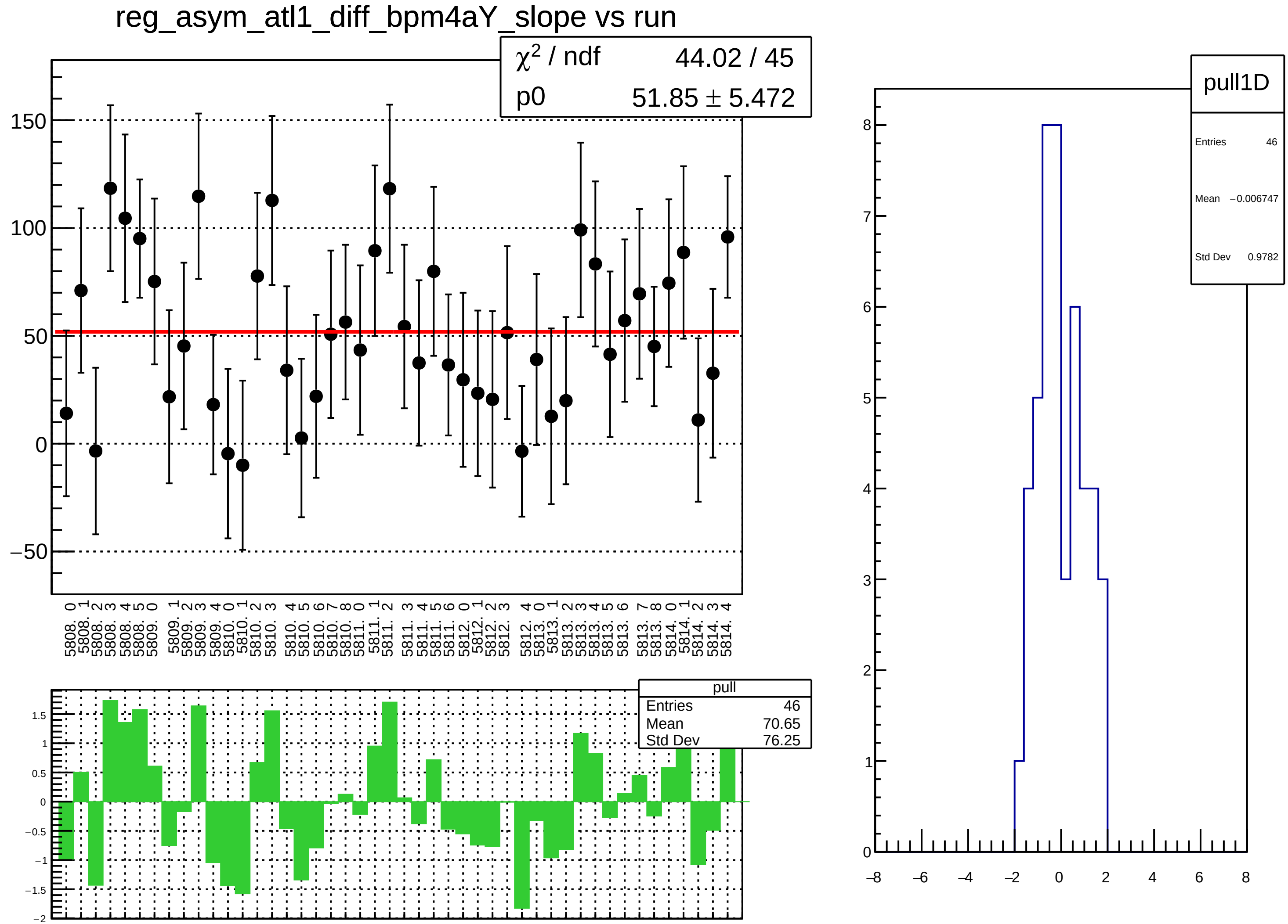




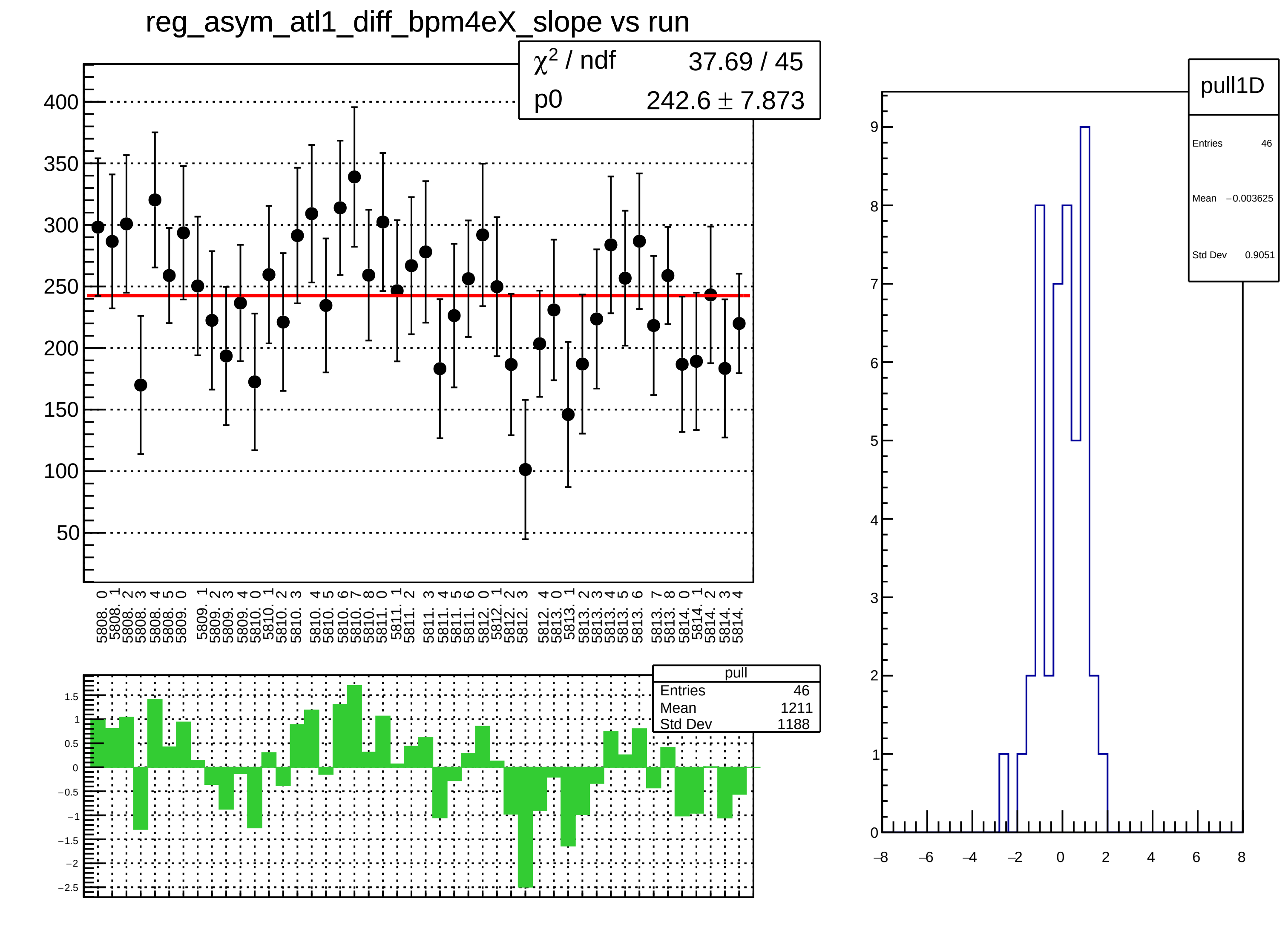

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.932 / 45
p0 −0.5508 ± 0.07798
pull
Entries 46
Mean −17.46
Std Dev 33.97
pull1D
Entries 46
Mean 0.01717
Std Dev 0.2919



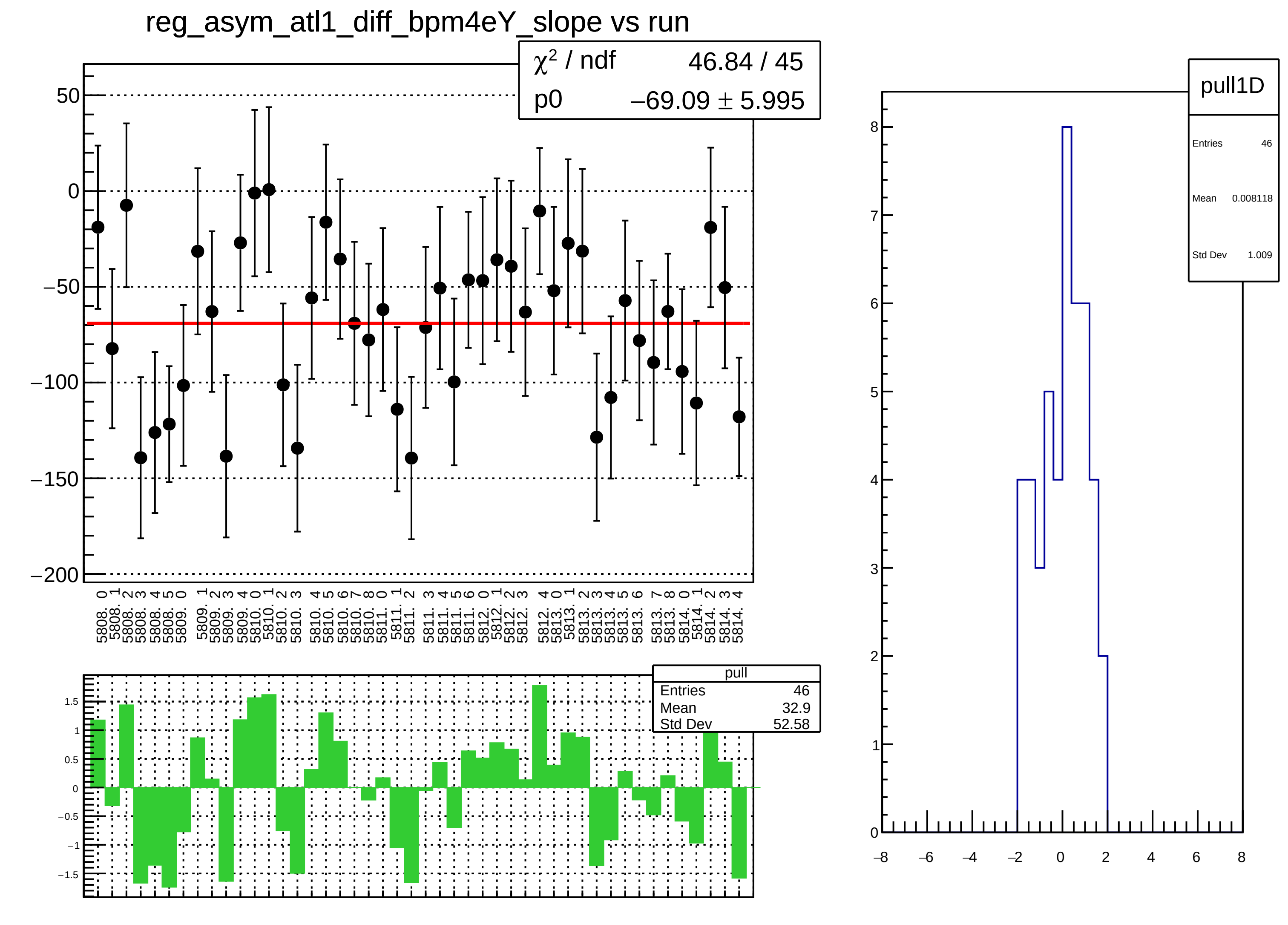
reg_asym_atl1_diff_bpm4aX_slope vs run
χ^2 / ndf 39.39 / 45
p0 −132.1 ± 6.194
pull
Entries 46
Mean 1013
Std Dev 989.6
pull1D
Entries 46
Mean 0.004502
Std Dev 0.9253

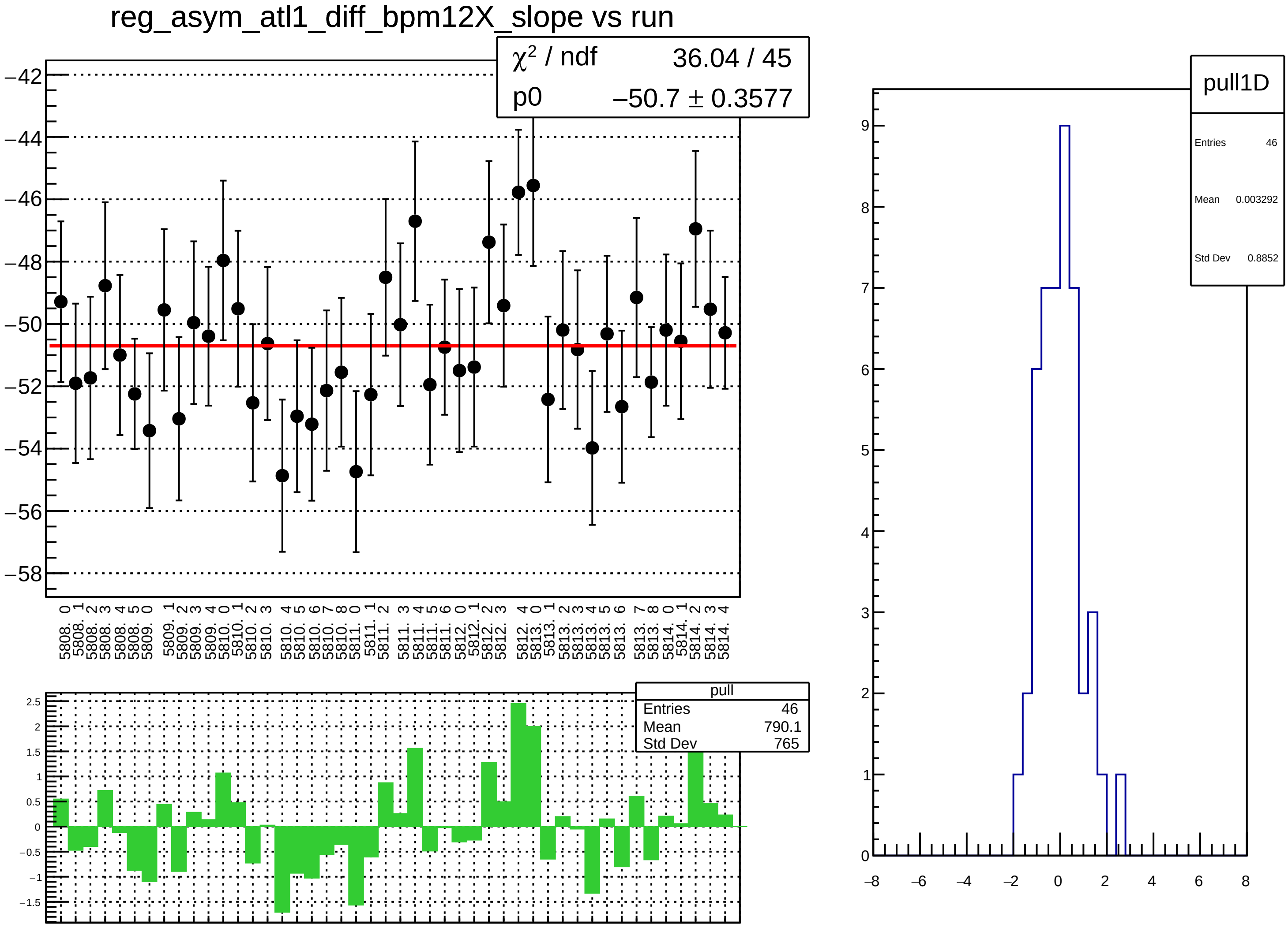


reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 44.02 / 45
p0 51.85 ± 5.472
pull
Entries 46
Mean 70.65
Std Dev 76.25
pull1D
Entries 46
Mean −0.006747
Std Dev 0.9782

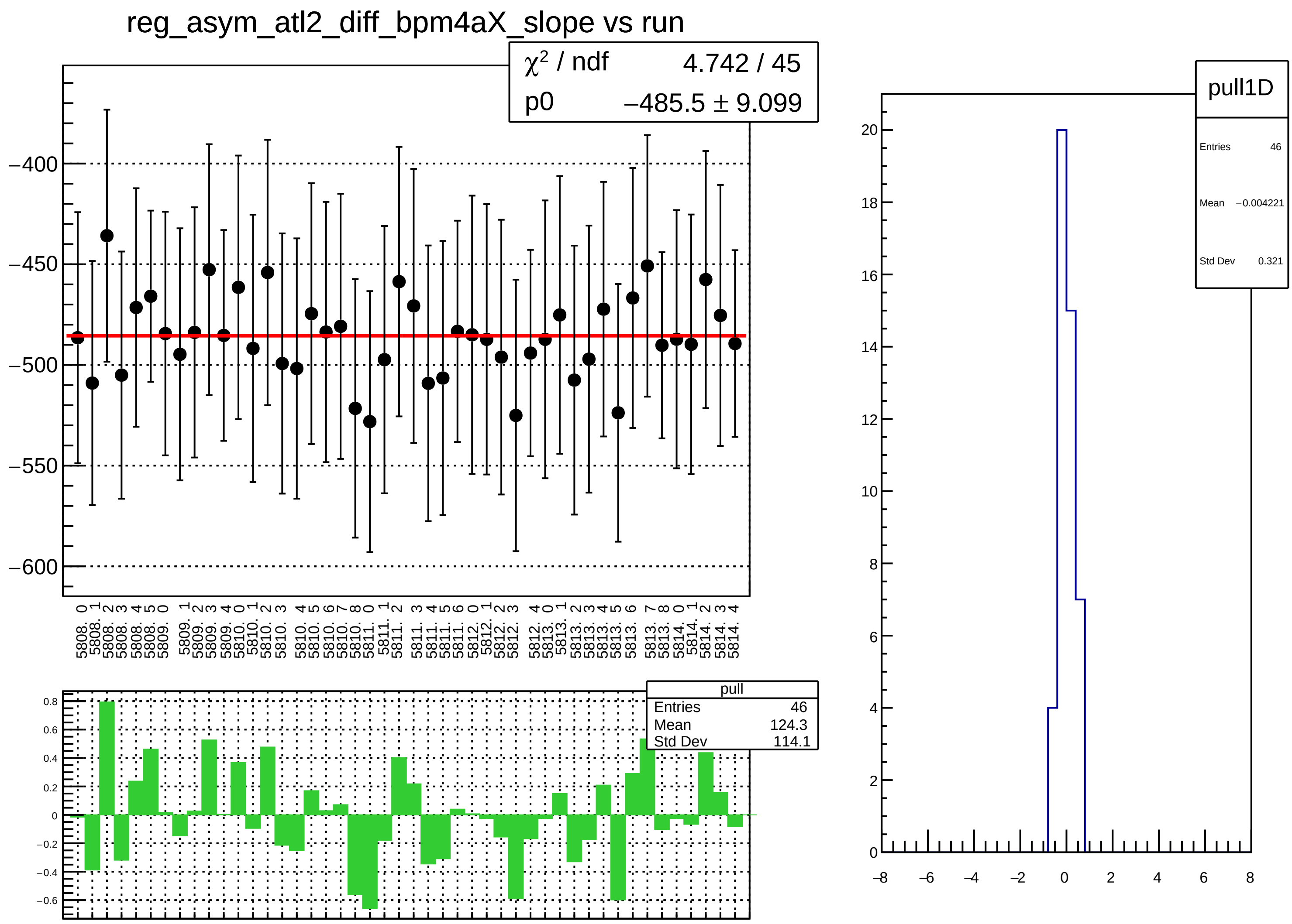


reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 37.69 / 45
p0 242.6 ± 7.873
pull
Entries 46
Mean 1211
Std Dev 1188
pull1D
Entries 46
Mean −0.003625
Std Dev 0.9051

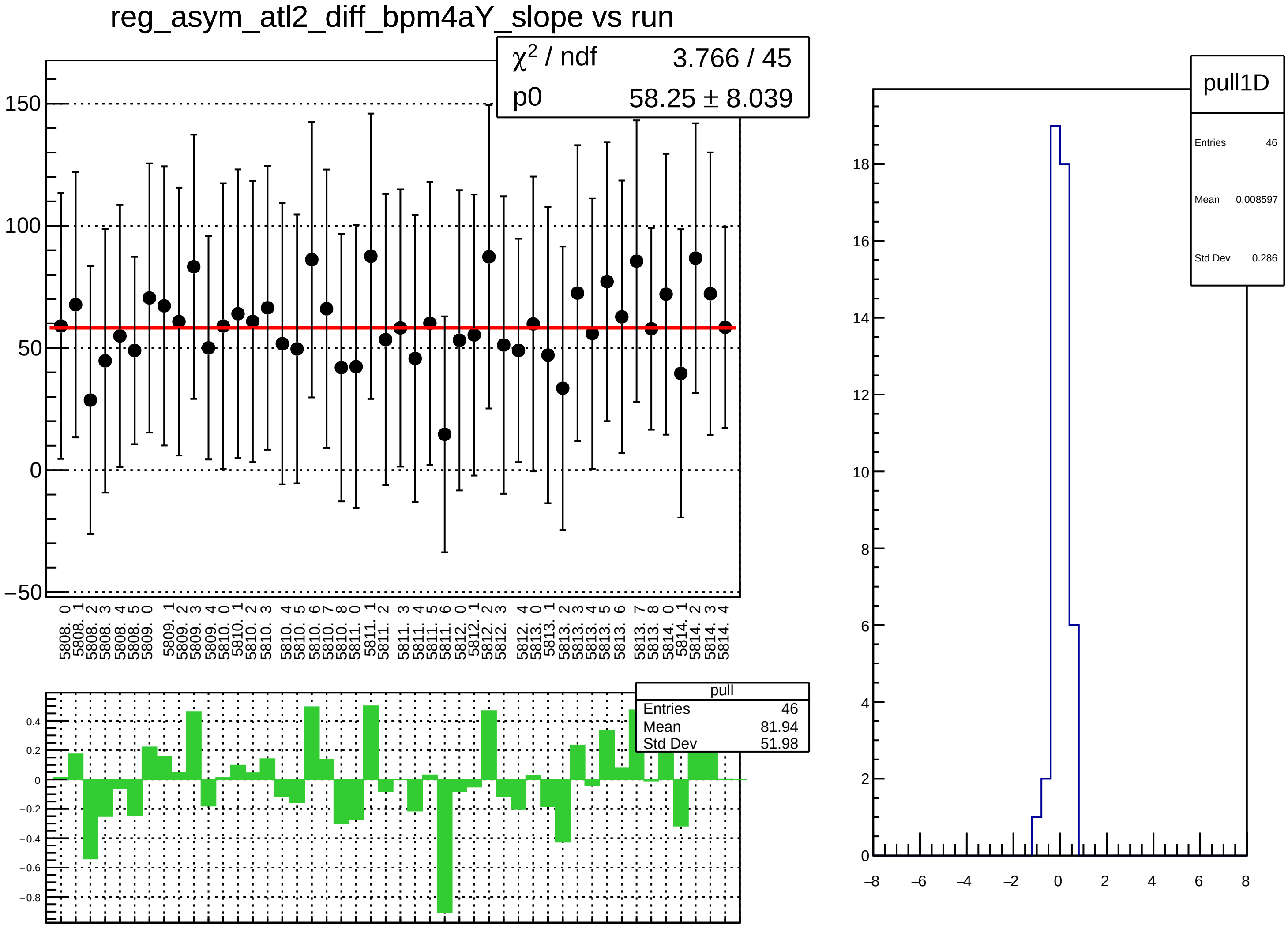

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 46.84 / 45
p0 −69.09 ± 5.995
pull
Entries 46
Mean 32.9
Std Dev 52.58
pull1D
Entries 46
Mean 0.008118
Std Dev 1.009



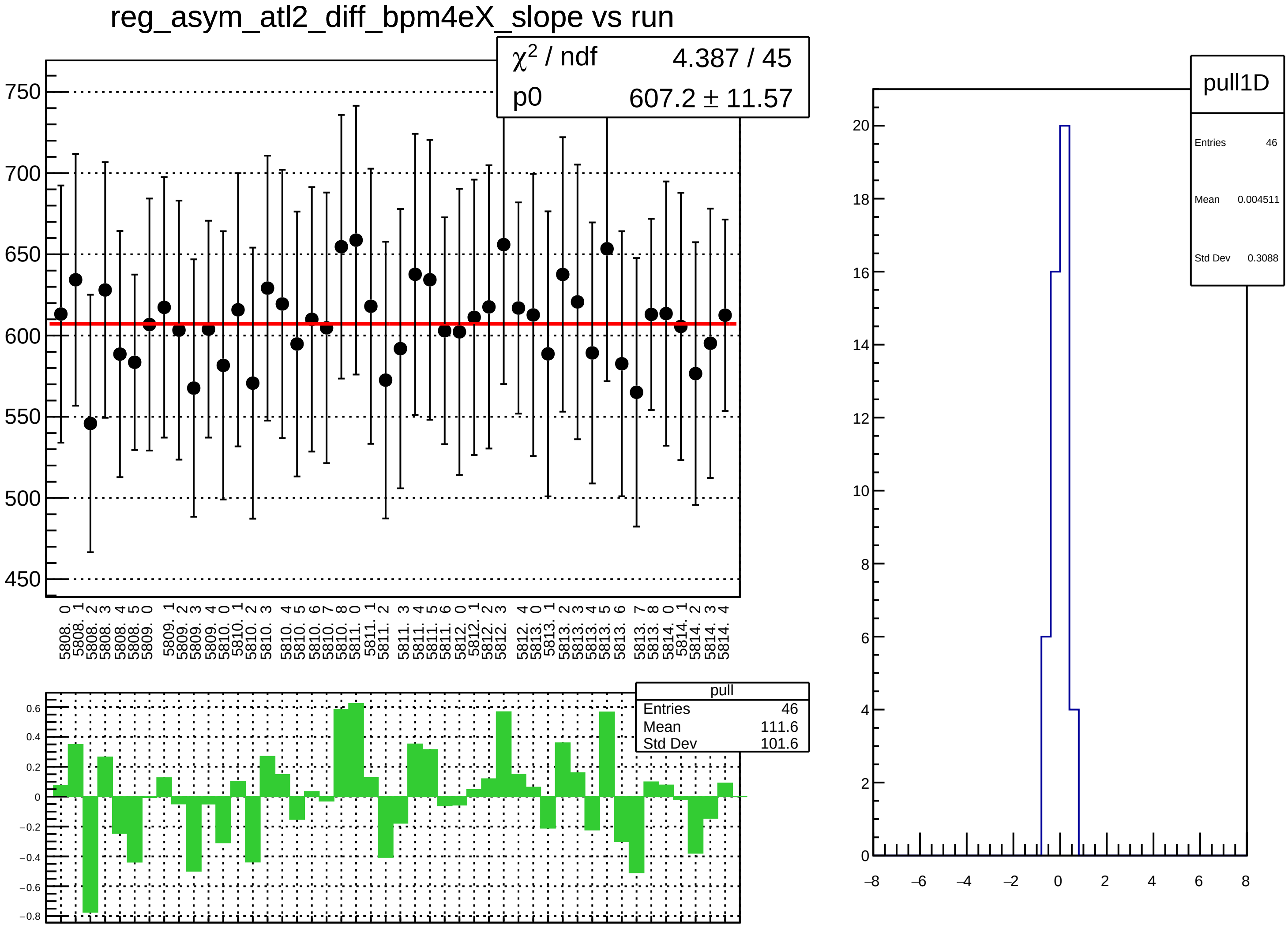
reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 36.04 / 45
p0 −50.7 ± 0.3577
pull
Entries 46
Mean 790.1
Std Dev 765
pull1D
Entries 46
Mean 0.003292
Std Dev 0.8852

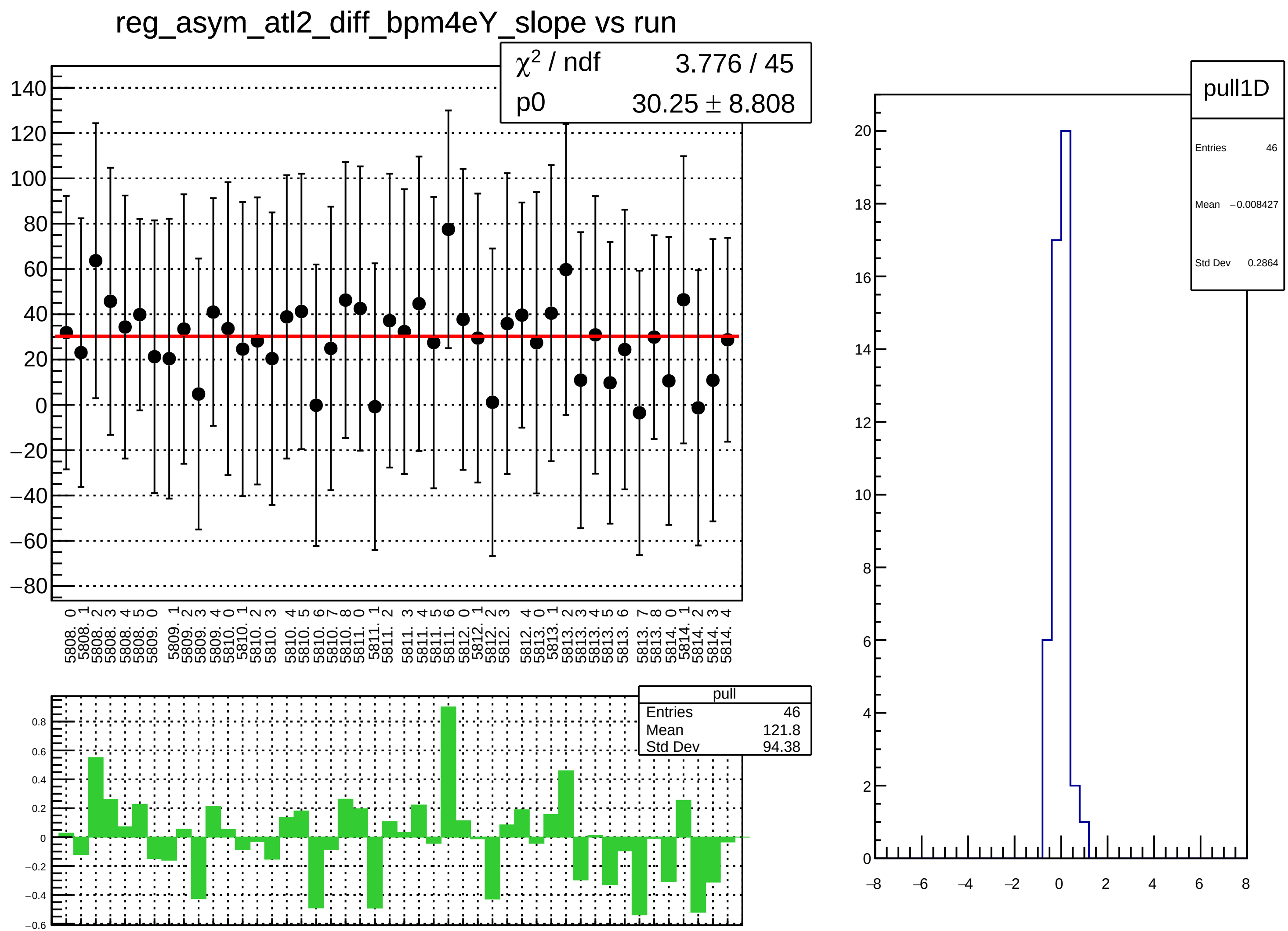


reg_asym_atl2_diff_bpm4aX_slope vs run
χ2 / ndf 4.742 / 45
p0 −485.5 ± 9.099
pull
Entries 46
Mean 124.3
Std Dev 114.1
pull1D
Entries 46
Mean −0.004221
Std Dev 0.321

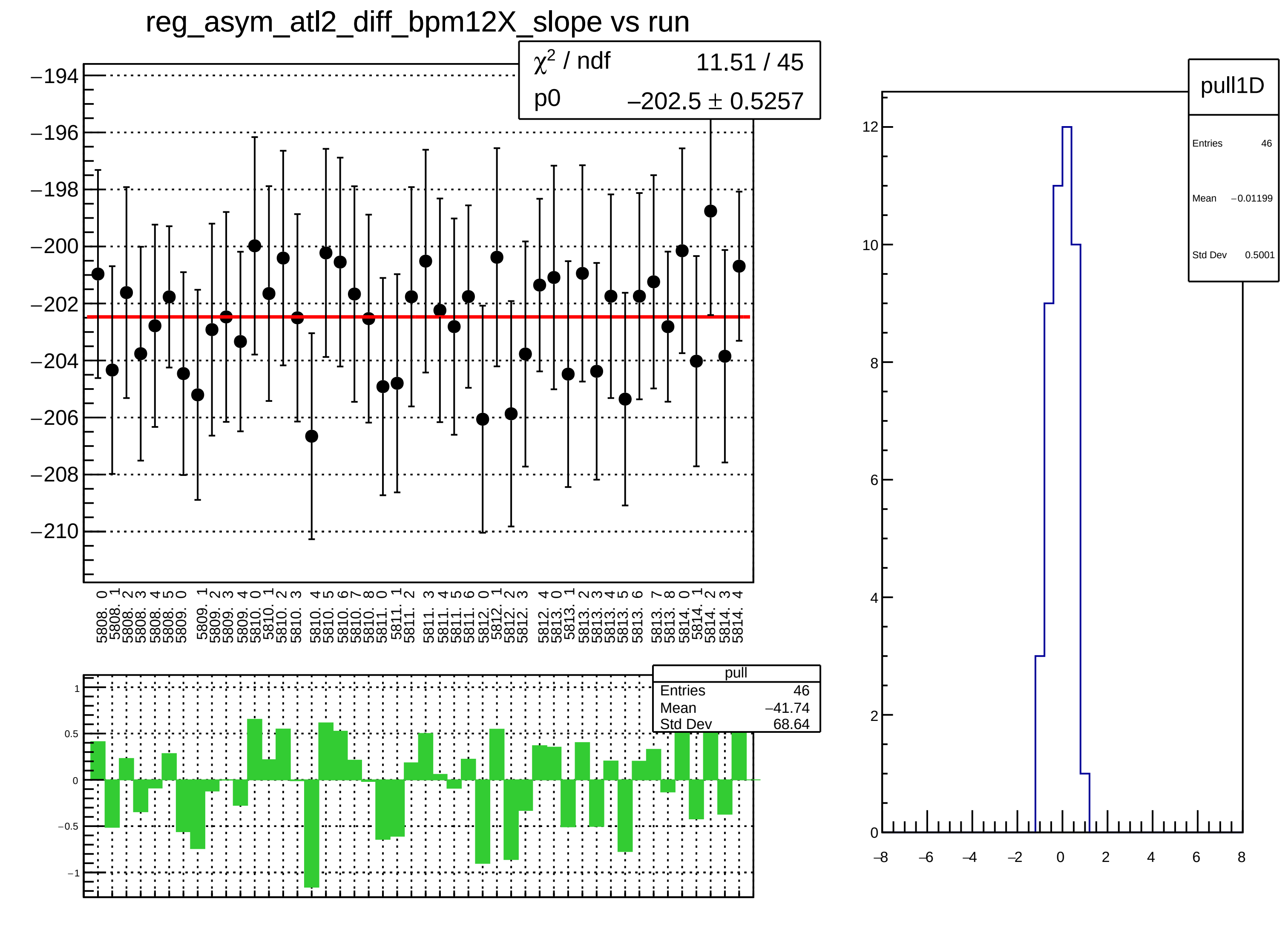


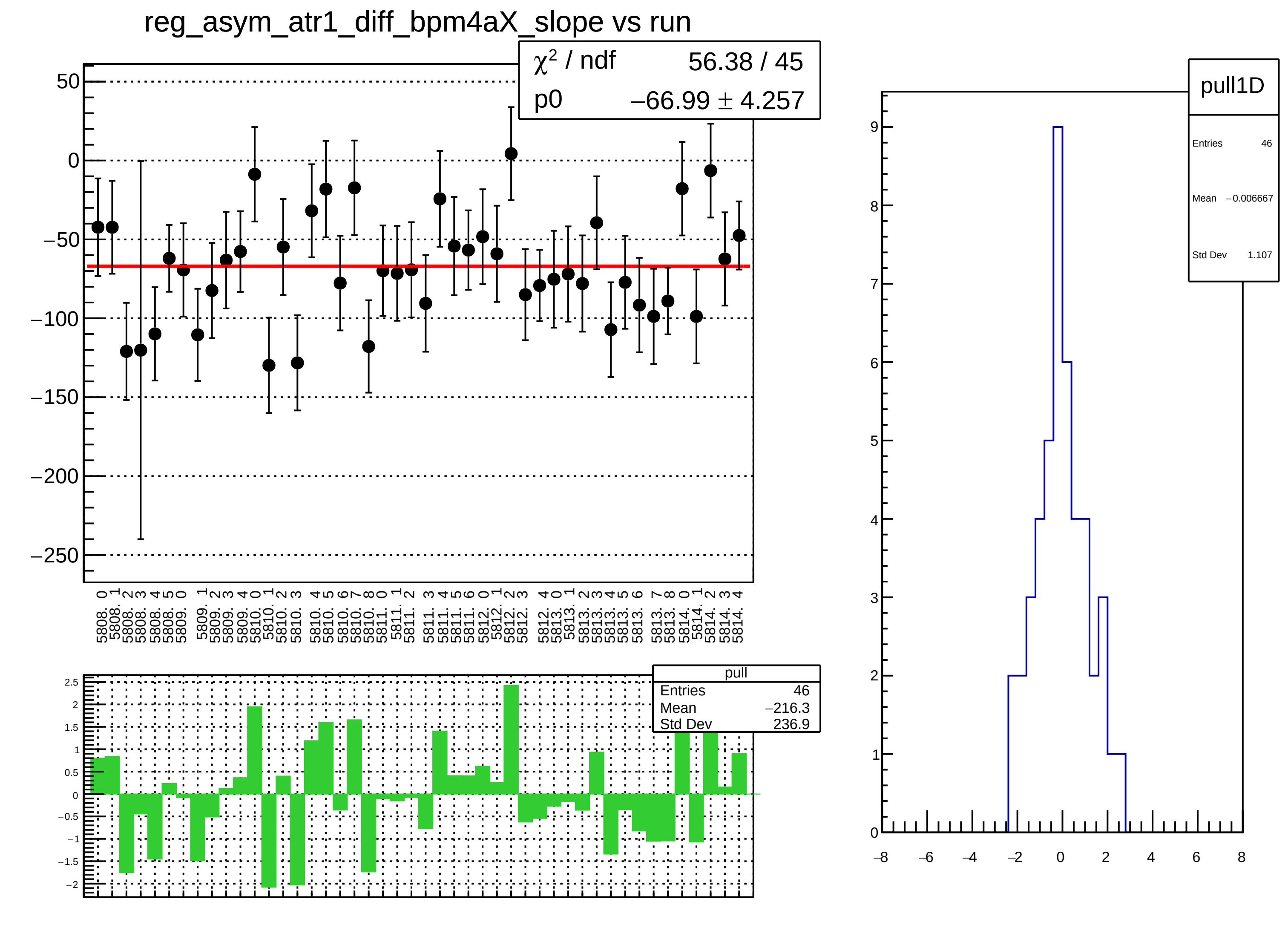
reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 3.766 / 45
p0 58.25 ± 8.039
pull
Entries 46
Mean 81.94
Std Dev 51.98
pull1D
Entries 46
Mean 0.008597
Std Dev 0.286

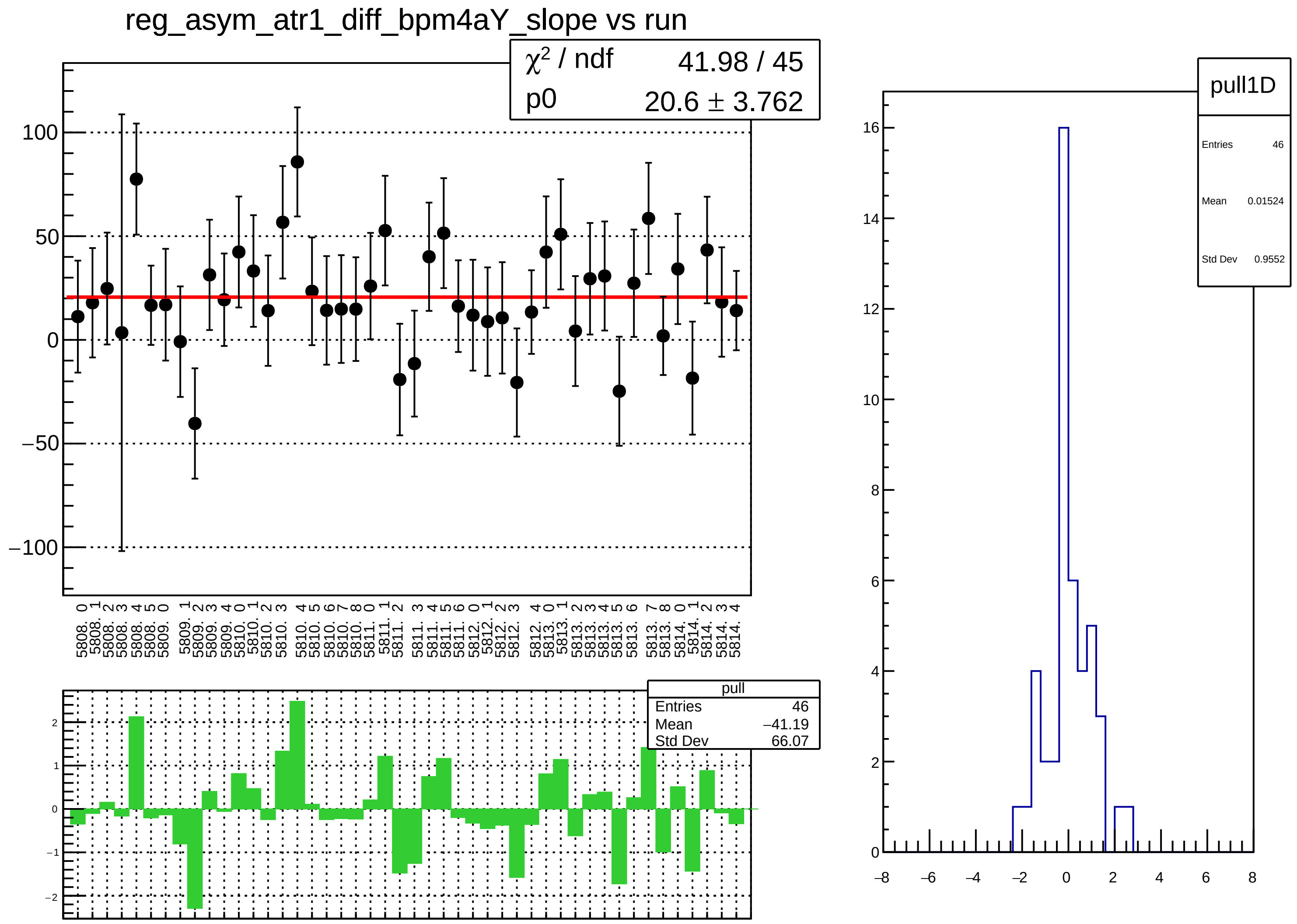

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 4.387 / 45
p0 607.2 ± 11.57
pull
Entries 46
Mean 111.6
Std Dev 101.6
pull1D
Entries 46
Mean 0.004511
Std Dev 0.3088

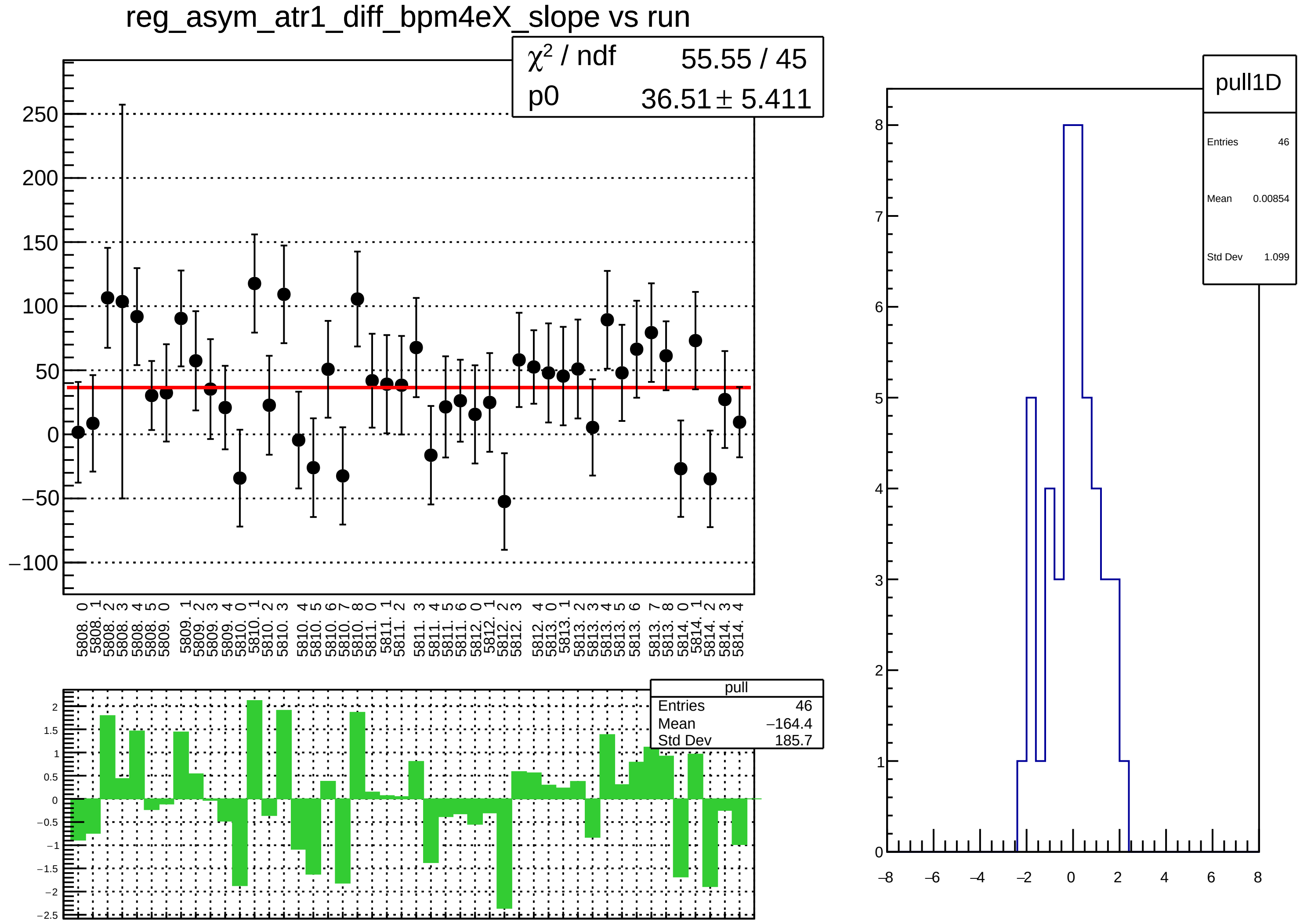


reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.776 / 45
p0 30.25 ± 8.808
pull
Entries 46
Mean 121.8
Std Dev 94.38
pull1D
Entries 46
Mean −0.008427
Std Dev 0.2864

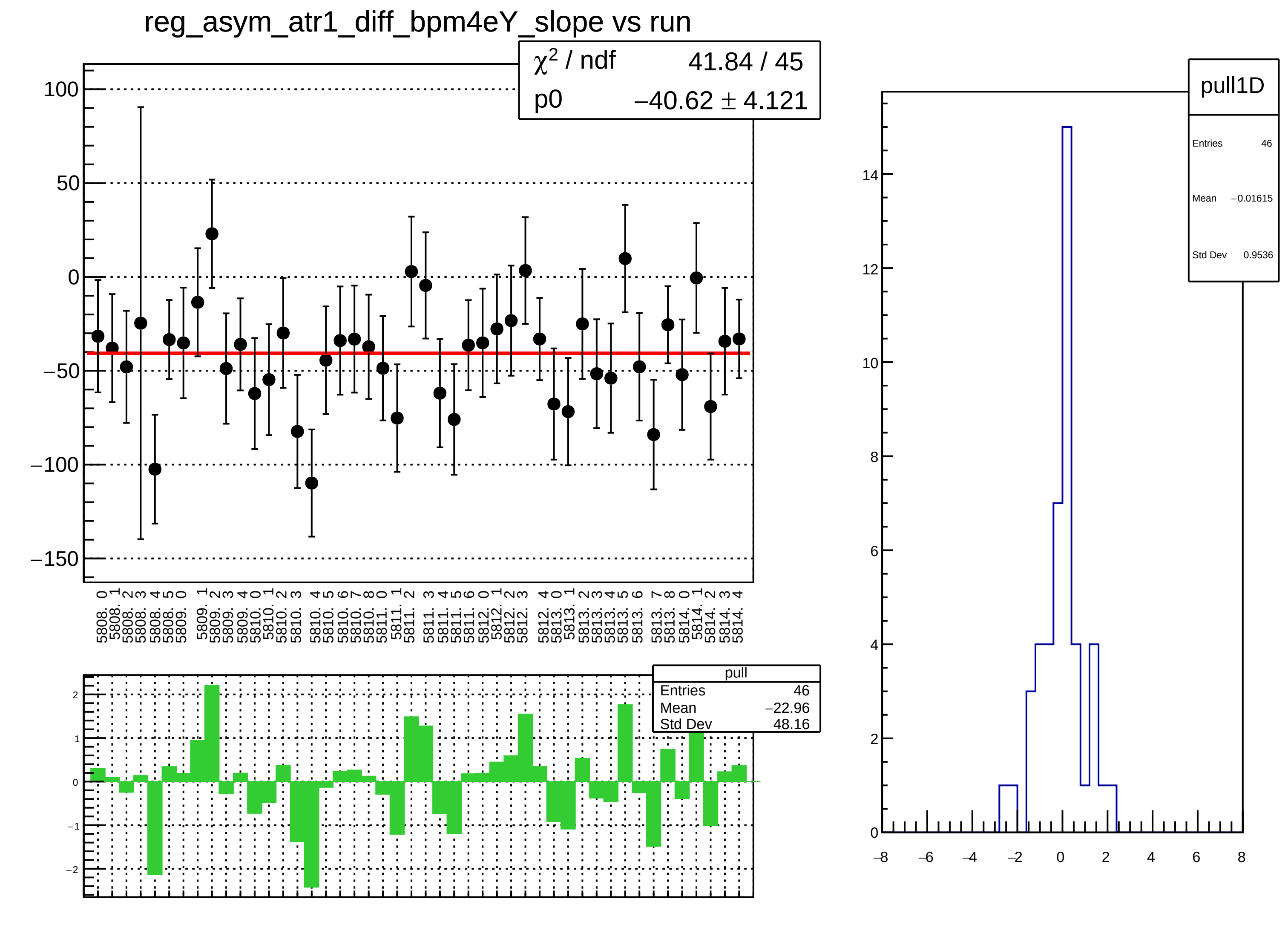

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 11.51 / 45
p0 −202.5 ± 0.5257
pull
Entries 46
Mean −41.74
Std Dev 68.64
pull1D
Entries 46
Mean −0.01199
Std Dev 0.5001


reg_asym_atr1_diff_bpm4aX_slope vs run
χ^2 / ndf 56.38 / 45
p0 −66.99 ± 4.257
pull
Entries 46
Mean −216.3
Std Dev 236.9
pull1D
Entries 46
Mean −0.006667
Std Dev 1.107

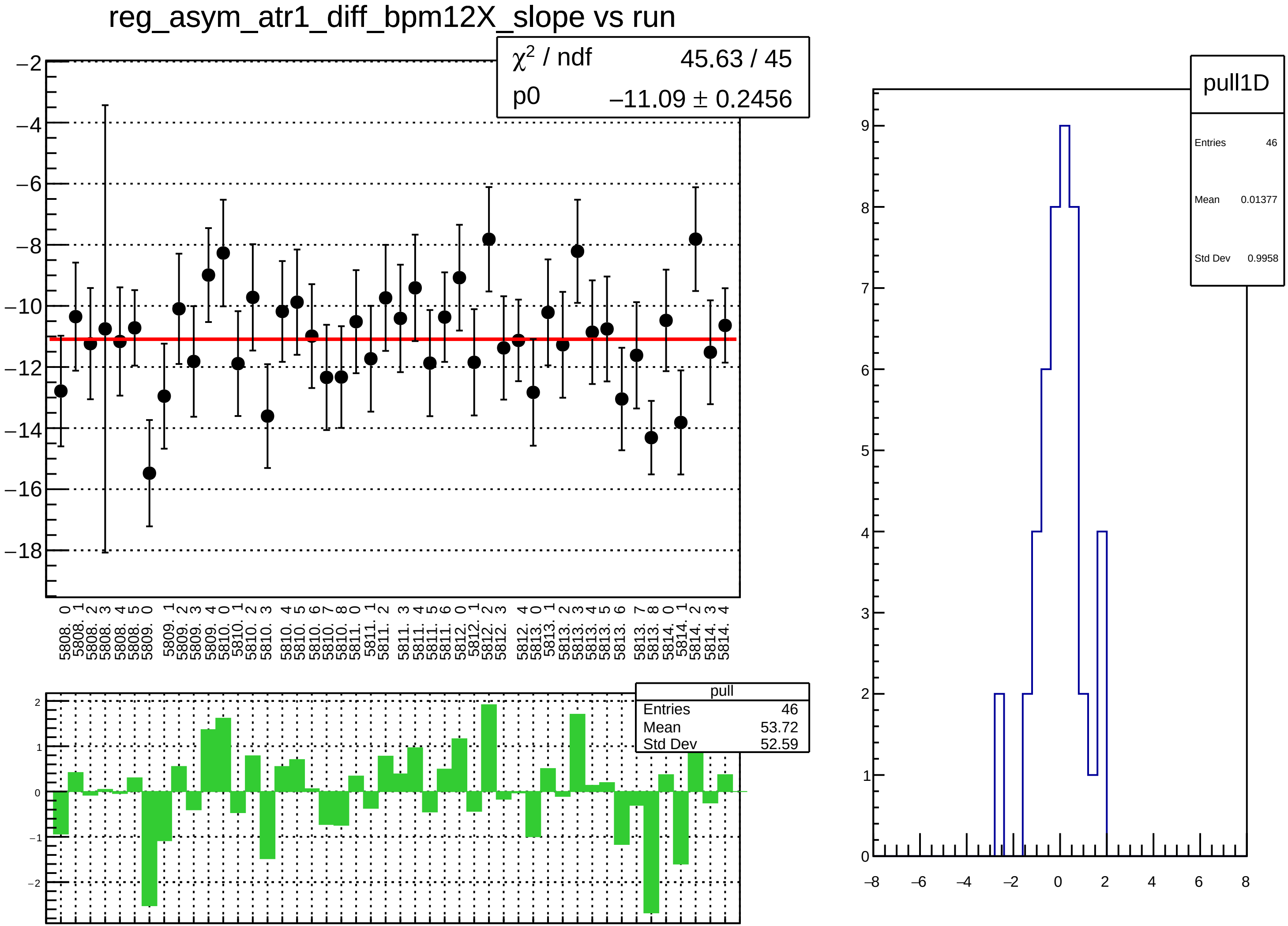

reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 41.98 / 45
p0 20.6 ± 3.762
pull
Entries 46
Mean −41.19
Std Dev 66.07
pull1D
Entries 46
Mean 0.01524
Std Dev 0.9552

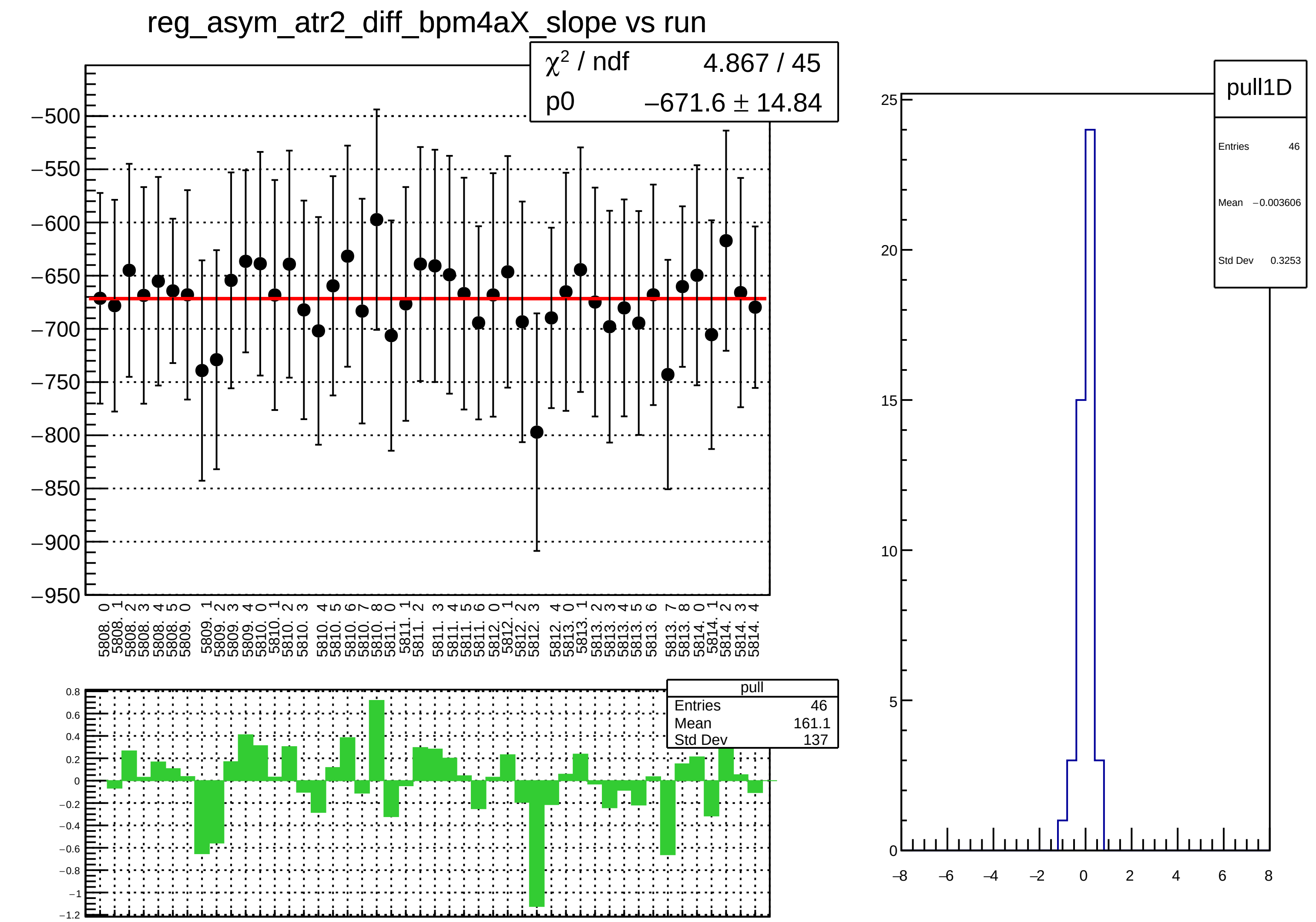


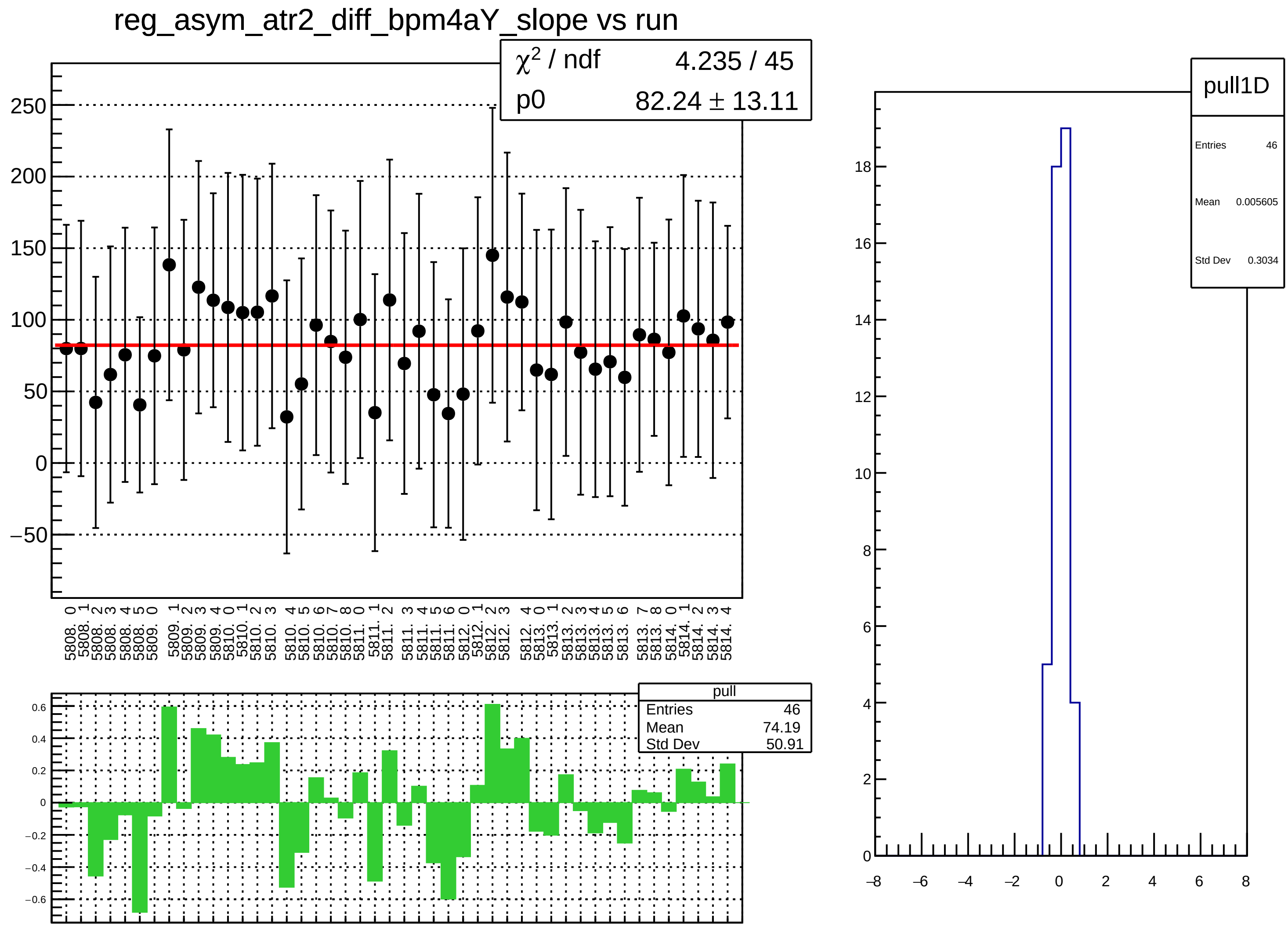
reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 55.55 / 45
p0 36.51 ± 5.411
pull
Entries 46
Mean −164.4
Std Dev 185.7
pull1D
Entries 46
Mean 0.00854
Std Dev 1.099

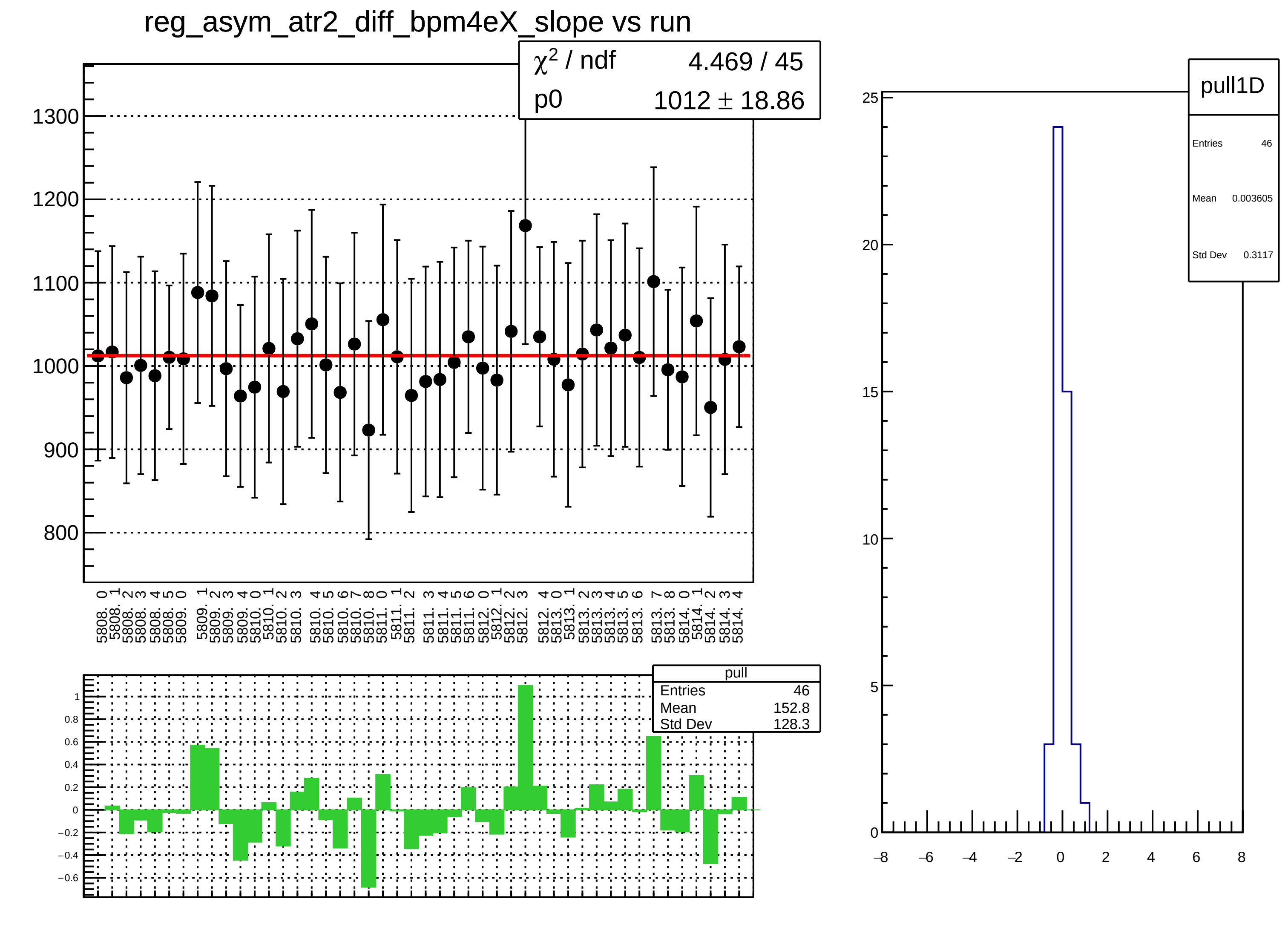


reg_asym_atr1_diff_bpm4eY_slope vs run
χ2 / ndf 41.84 / 45
p0 −40.62 ± 4.121
pull
Entries 46
Mean −22.96
Std Dev 48.16
pull1D
Entries 46
Mean −0.01615
Std Dev 0.9536

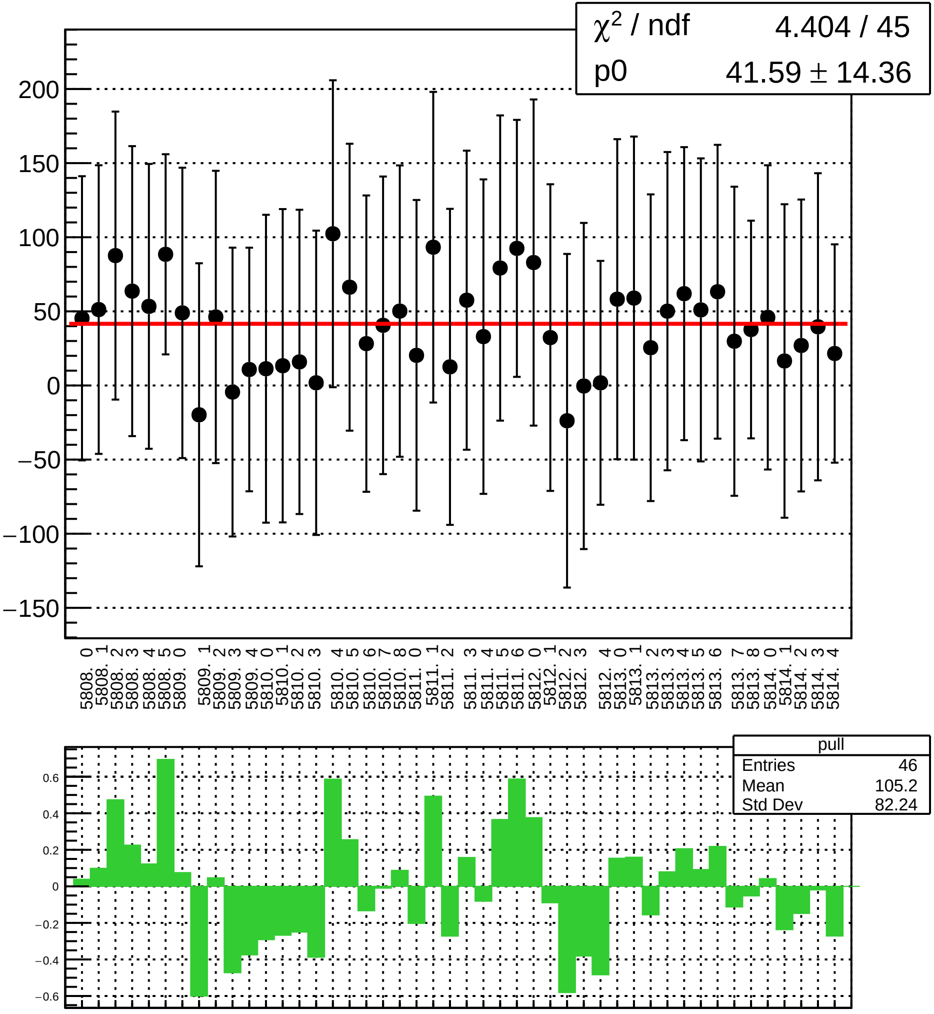

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 45.63 / 45
p0 −11.09 ± 0.2456
pull
Entries 46
Mean 53.72
Std Dev 52.59
pull1D
Entries 46
Mean 0.01377
Std Dev 0.9958

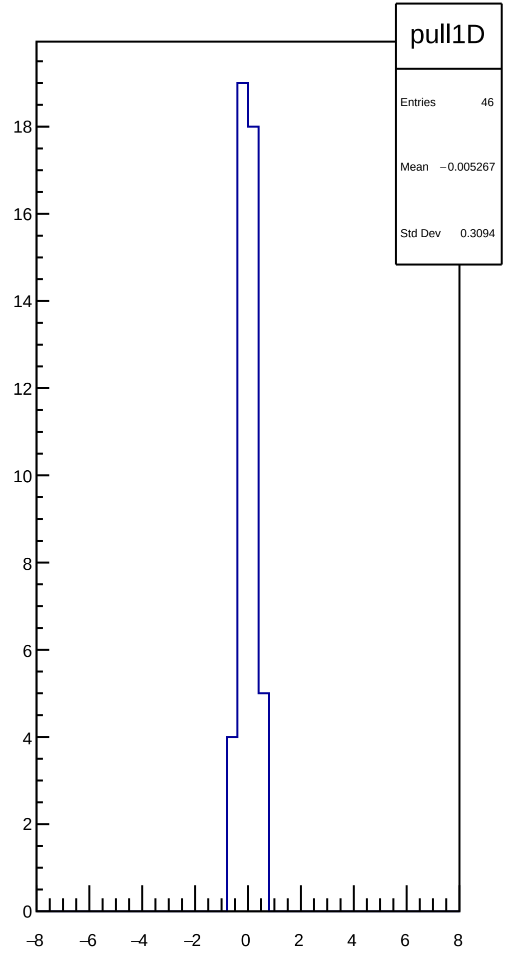

reg_asym_atr2_diff_bpm4aX_slope vs run
χ^2 / ndf 4.867 / 45
p0 −671.6 ± 14.84
pull
Entries 46
Mean 161.1
Std Dev 137
pull1D
Entries 46
Mean −0.003606
Std Dev 0.3253

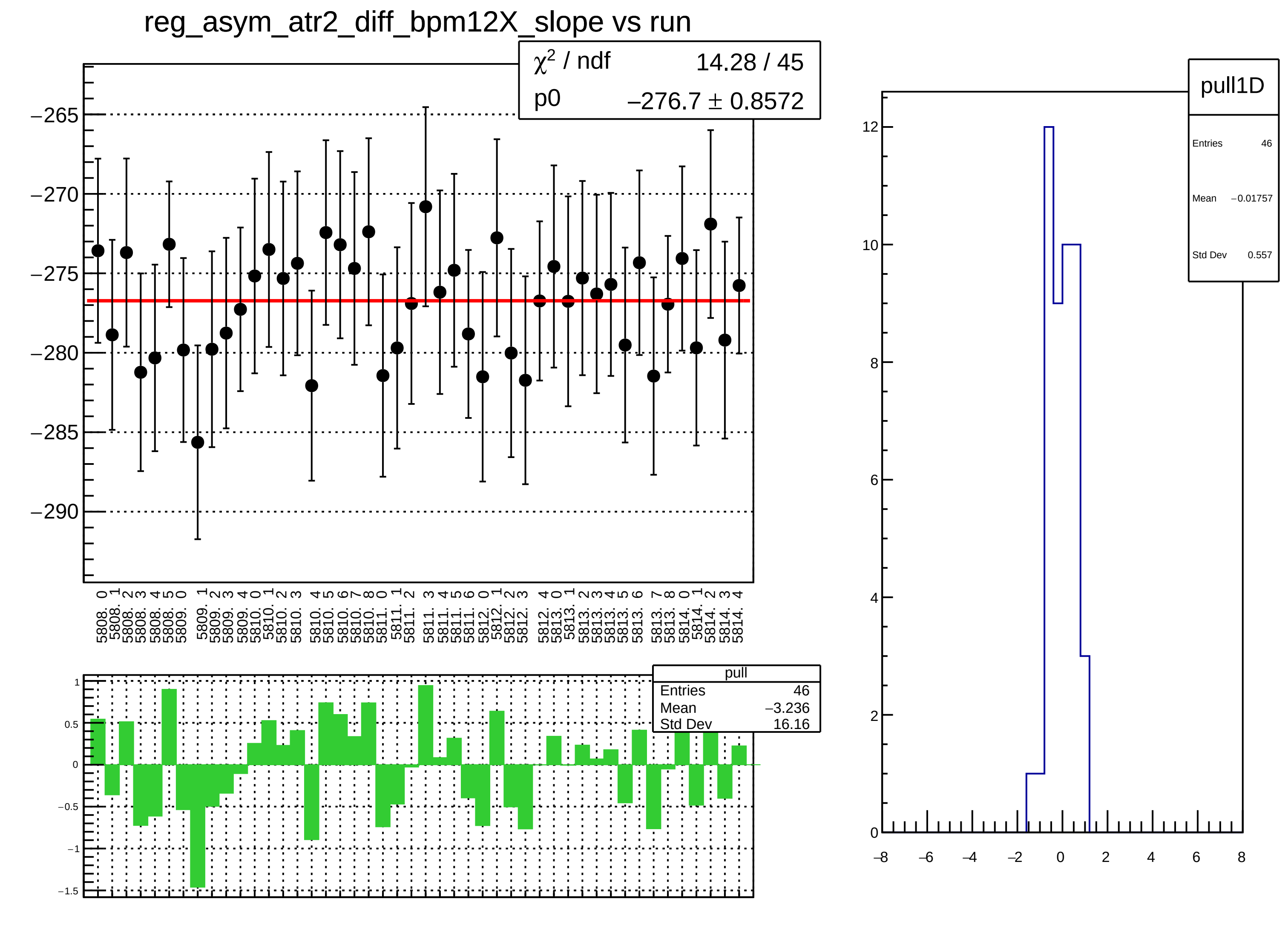

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.235 / 45
p0 82.24 ± 13.11
pull
Entries 46
Mean 74.19
Std Dev 50.91
pull1D
Entries 46
Mean 0.005605
Std Dev 0.3034


reg_asym_atr2_diff_bpm4eX_slope vs run
χ2 / ndf 4.469 / 45
p0 1012 ± 18.86
pull
Entries 46
Mean 152.8
Std Dev 128.3
pull1D
Entries 46
Mean 0.003605
Std Dev 0.3117

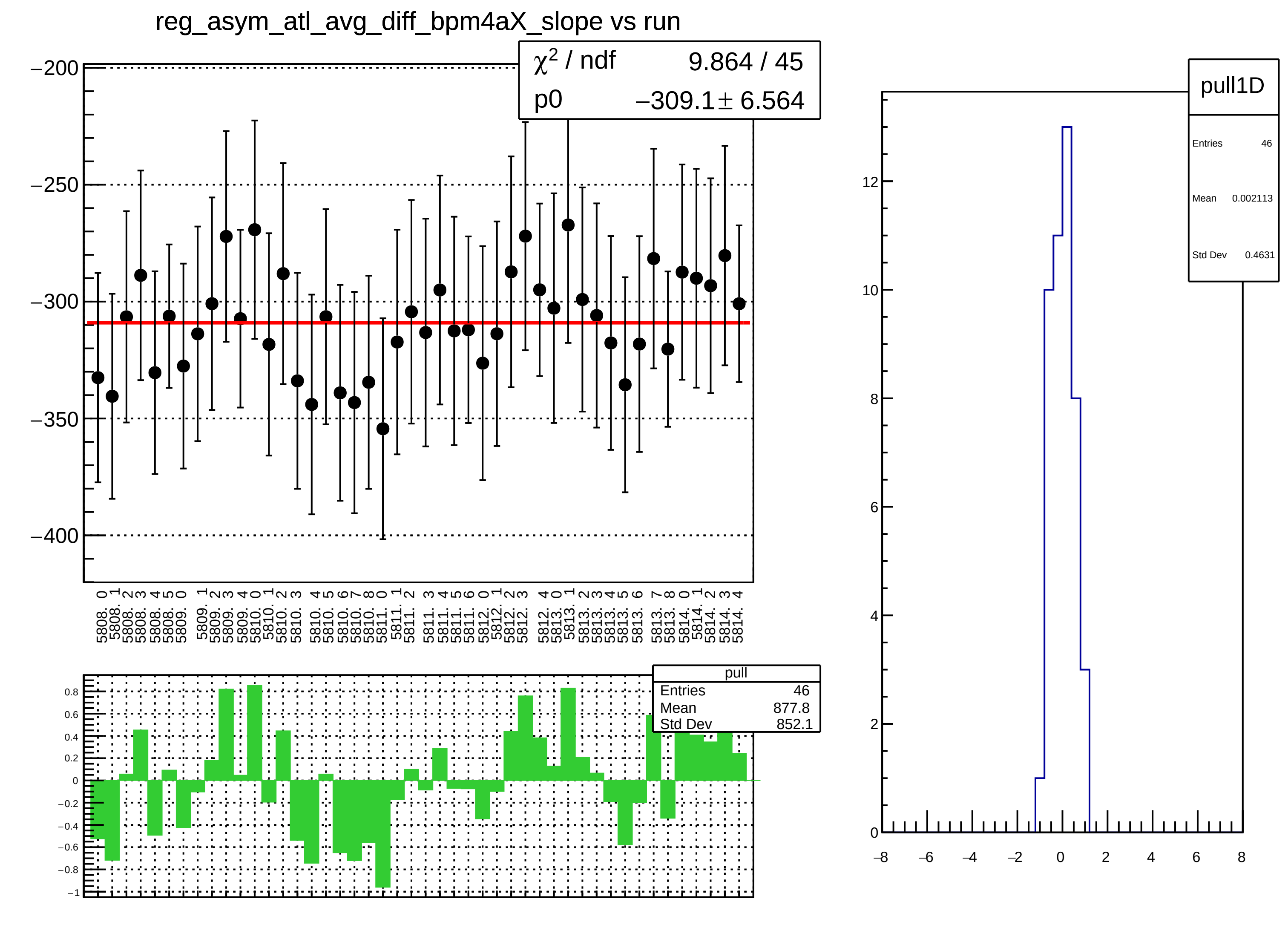
reg_asym_atr2_diff_bpm4eY_slope vs run



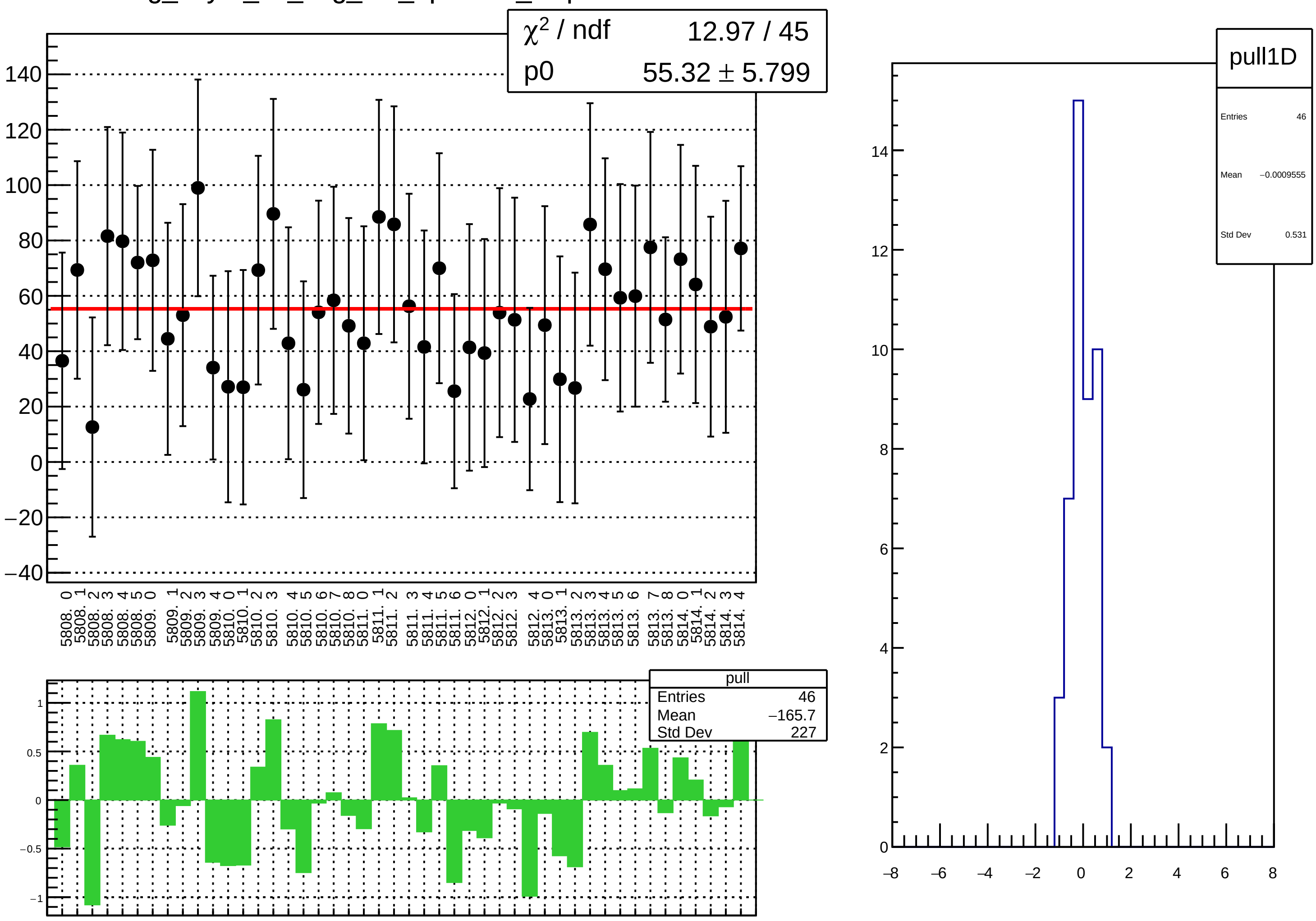


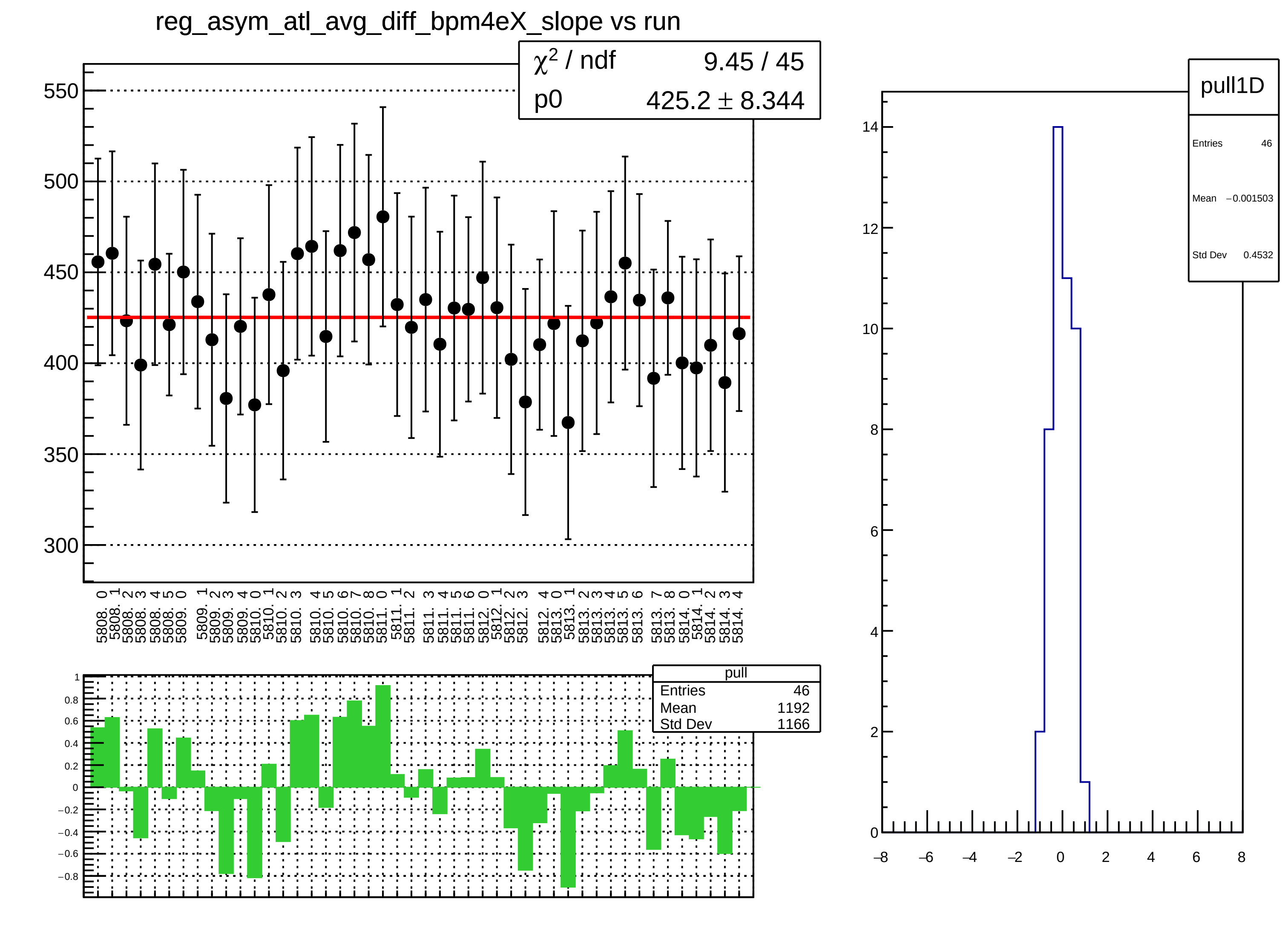


reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 14.28 / 45
p0 −276.7 ± 0.8572
−265
−270
−275
−280
−285
−290
pull
Entries 46
Mean −3.236
Std Dev 16.16
pull1D
Entries 46
Mean −0.01757
Std Dev 0.557

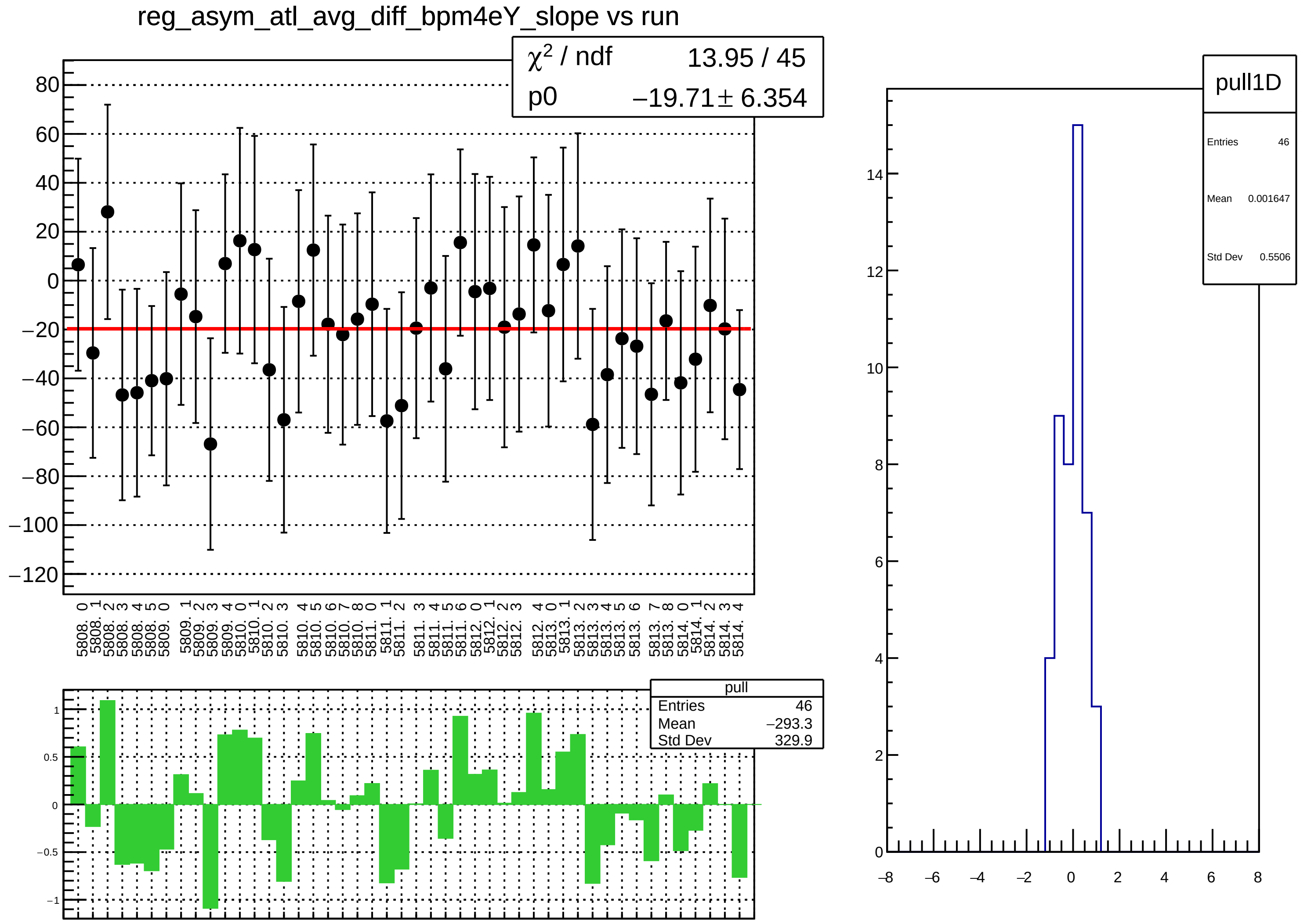

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ2 / ndf 9.864 / 45
p0 −309.1 ± 6.564
pull
Entries 46
Mean 877.8
Std Dev 852.1
pull1D
Entries 46
Mean 0.002113
Std Dev 0.4631

reg_asym_atl_avg_diff_bpm4aY_slope vs run

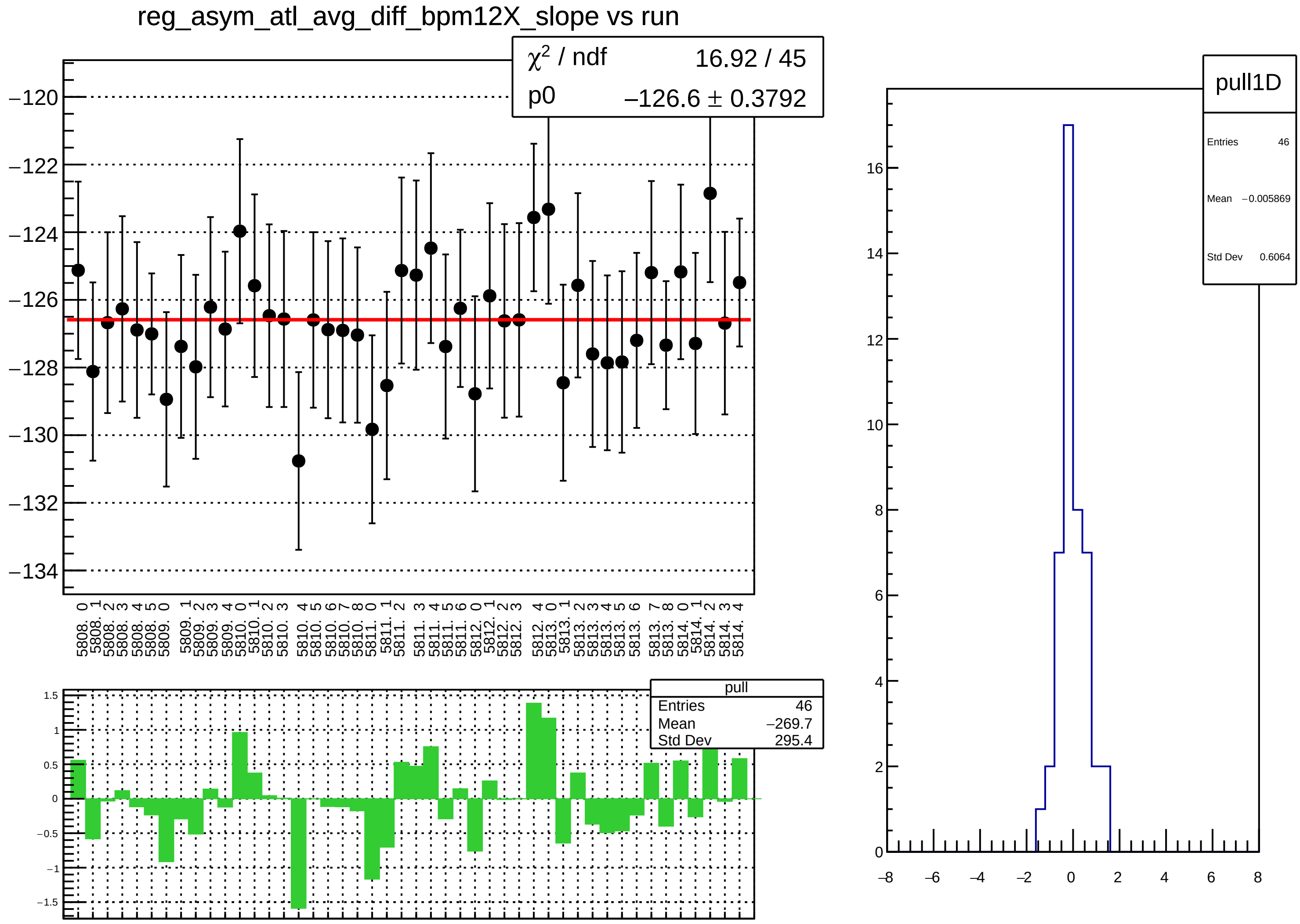




reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.45 / 45
p0 425.2 ± 8.344
pull
Entries 46
Mean 1192
Std Dev 1166
pull1D
Entries 46
Mean −0.001503
Std Dev 0.4532

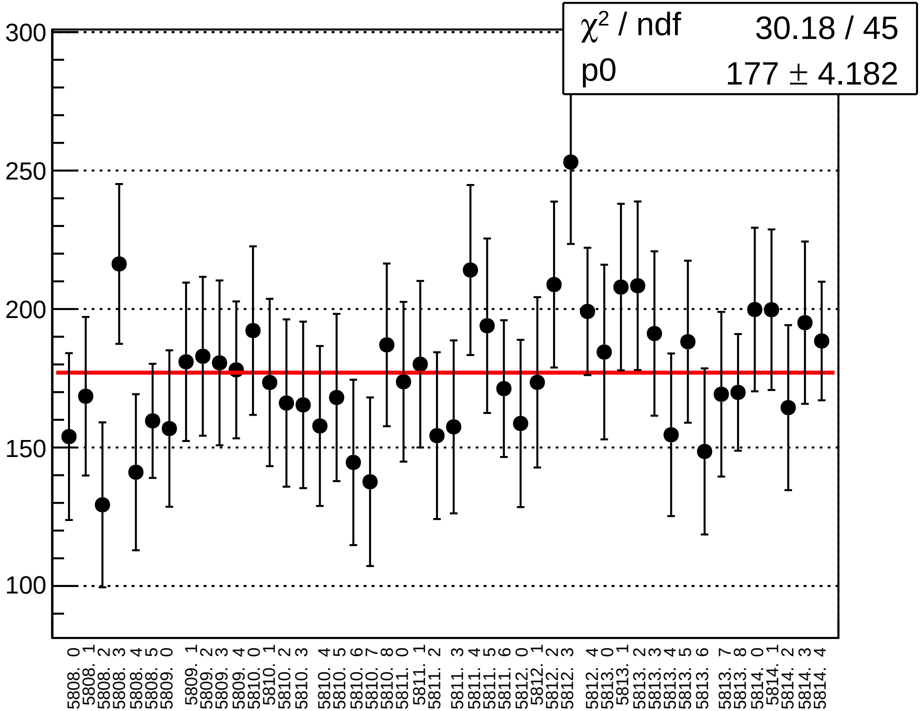


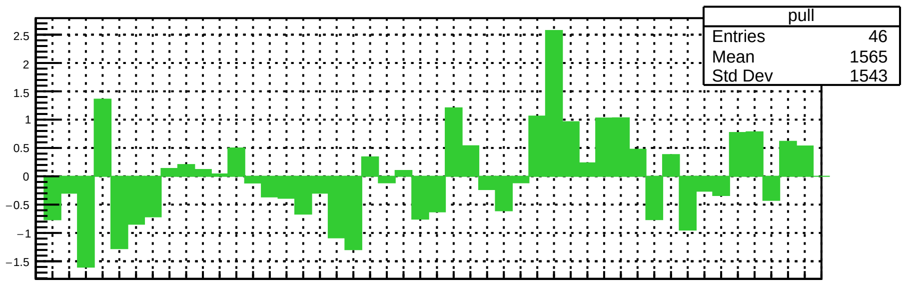
reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 13.95 / 45
p0 −19.71 ± 6.354
pull
Entries 46
Mean −293.3
Std Dev 329.9
pull1D
Entries 46
Mean 0.001647
Std Dev 0.5506

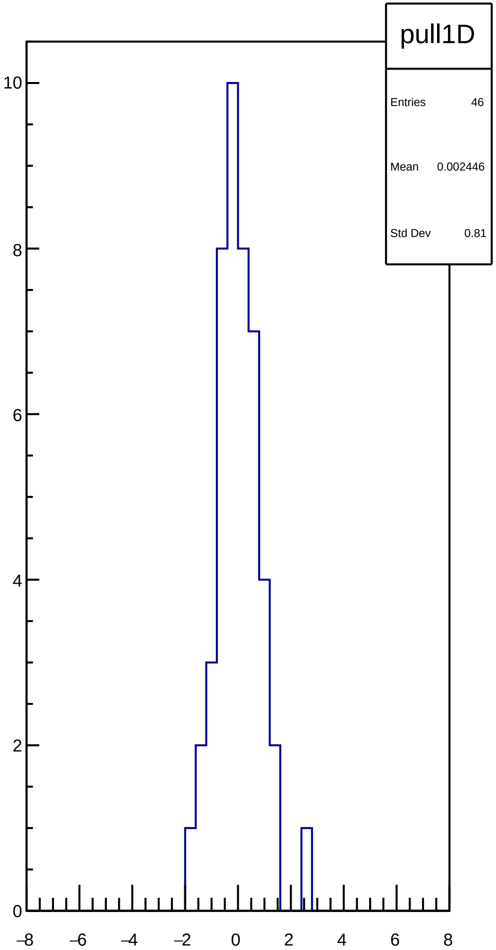


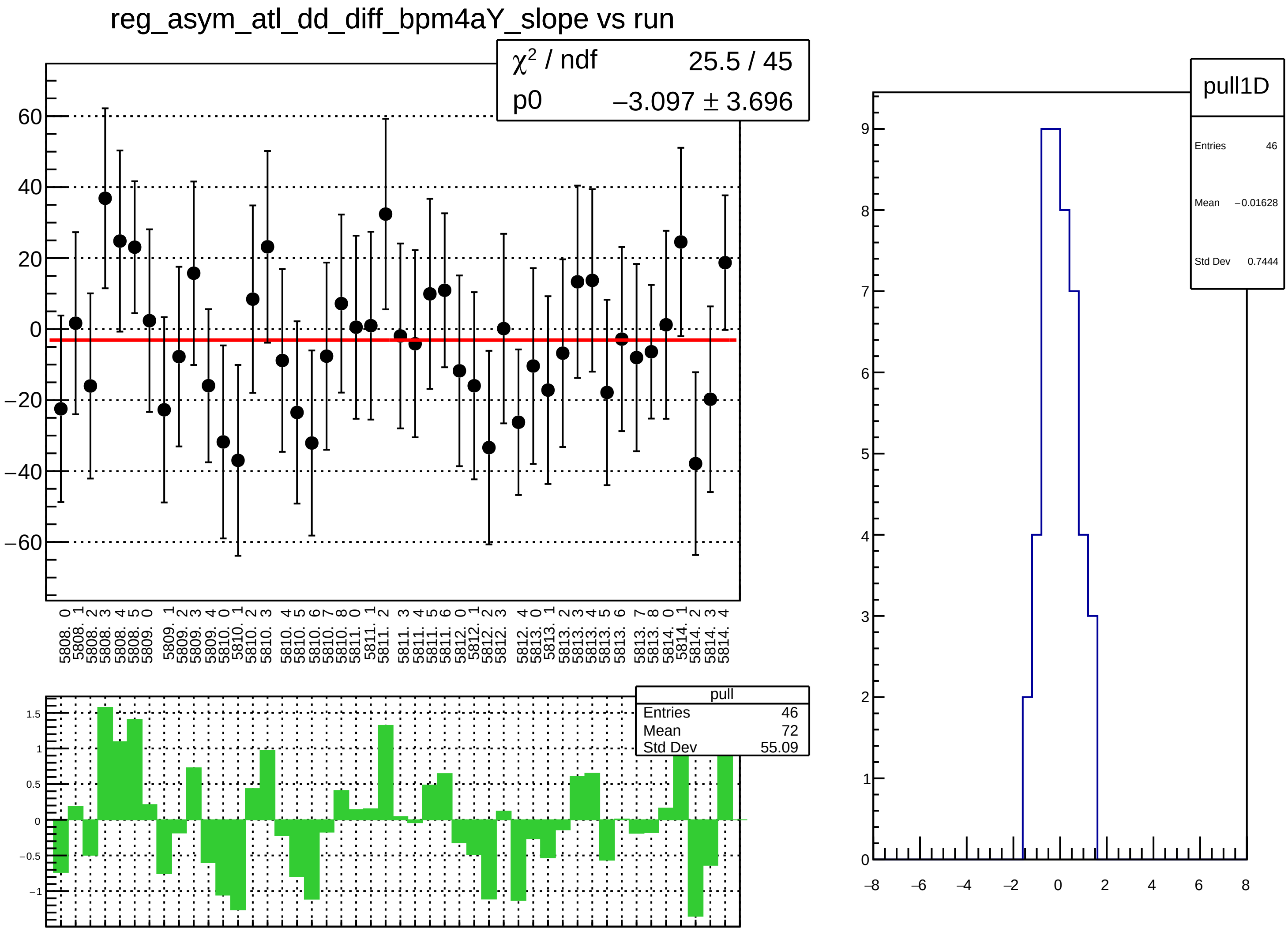
reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.92 / 45
p0 −126.6 ± 0.3792
pull
Entries 46
Mean −269.7
Std Dev 295.4
pull1D
Entries 46
Mean −0.005869
Std Dev 0.6064

reg_asym_atl_dd_diff_bpm4aX_slope vs run

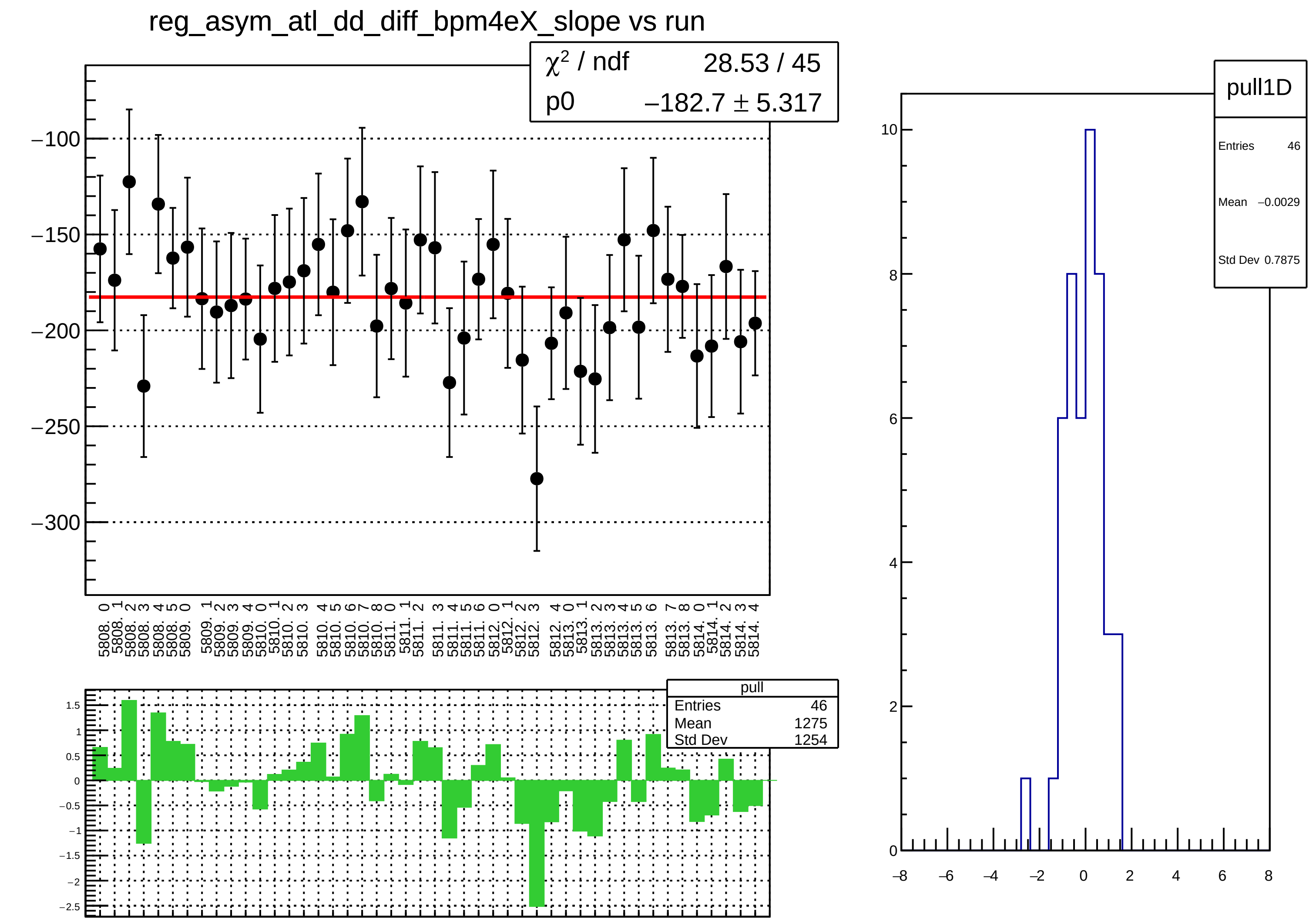




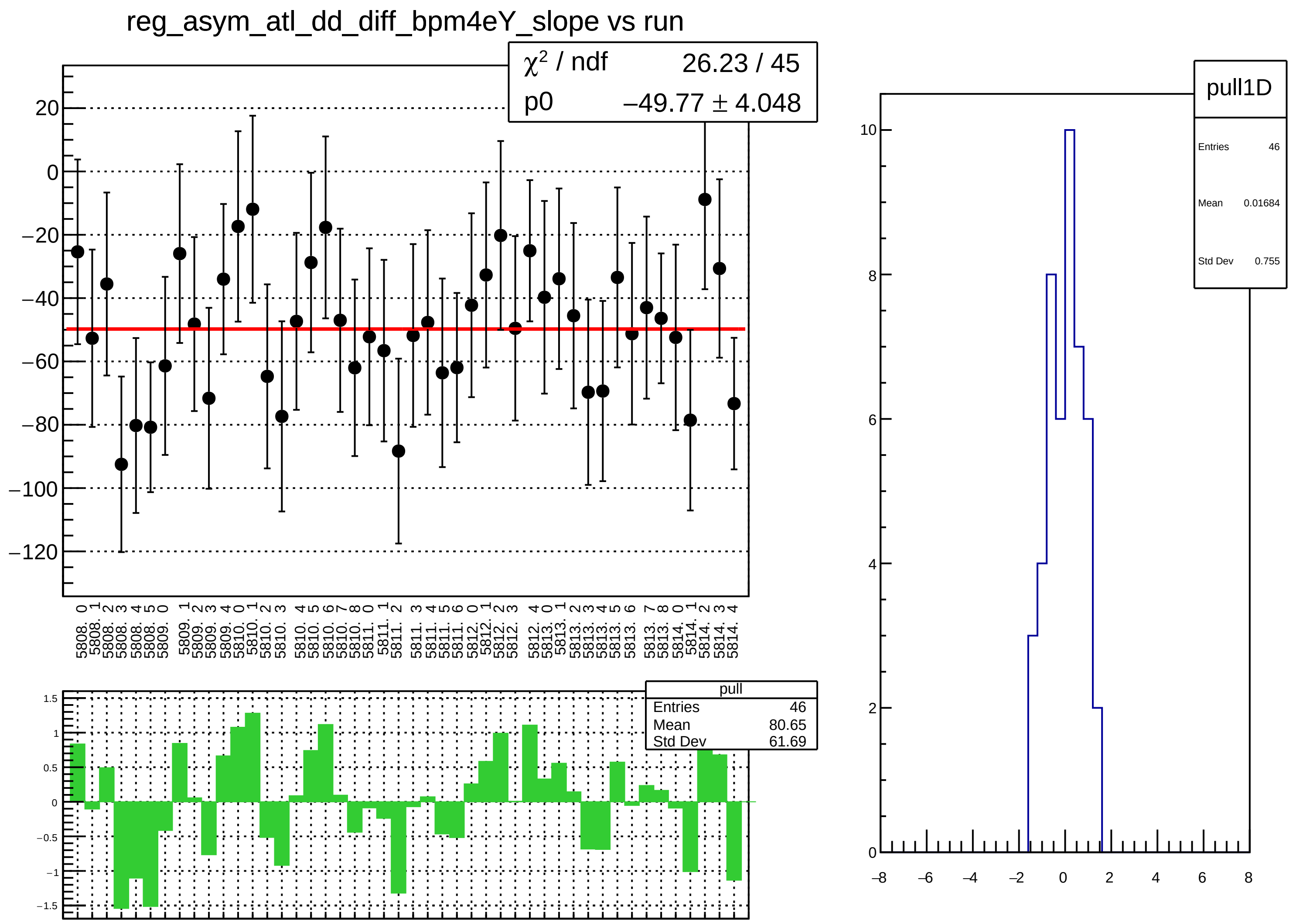


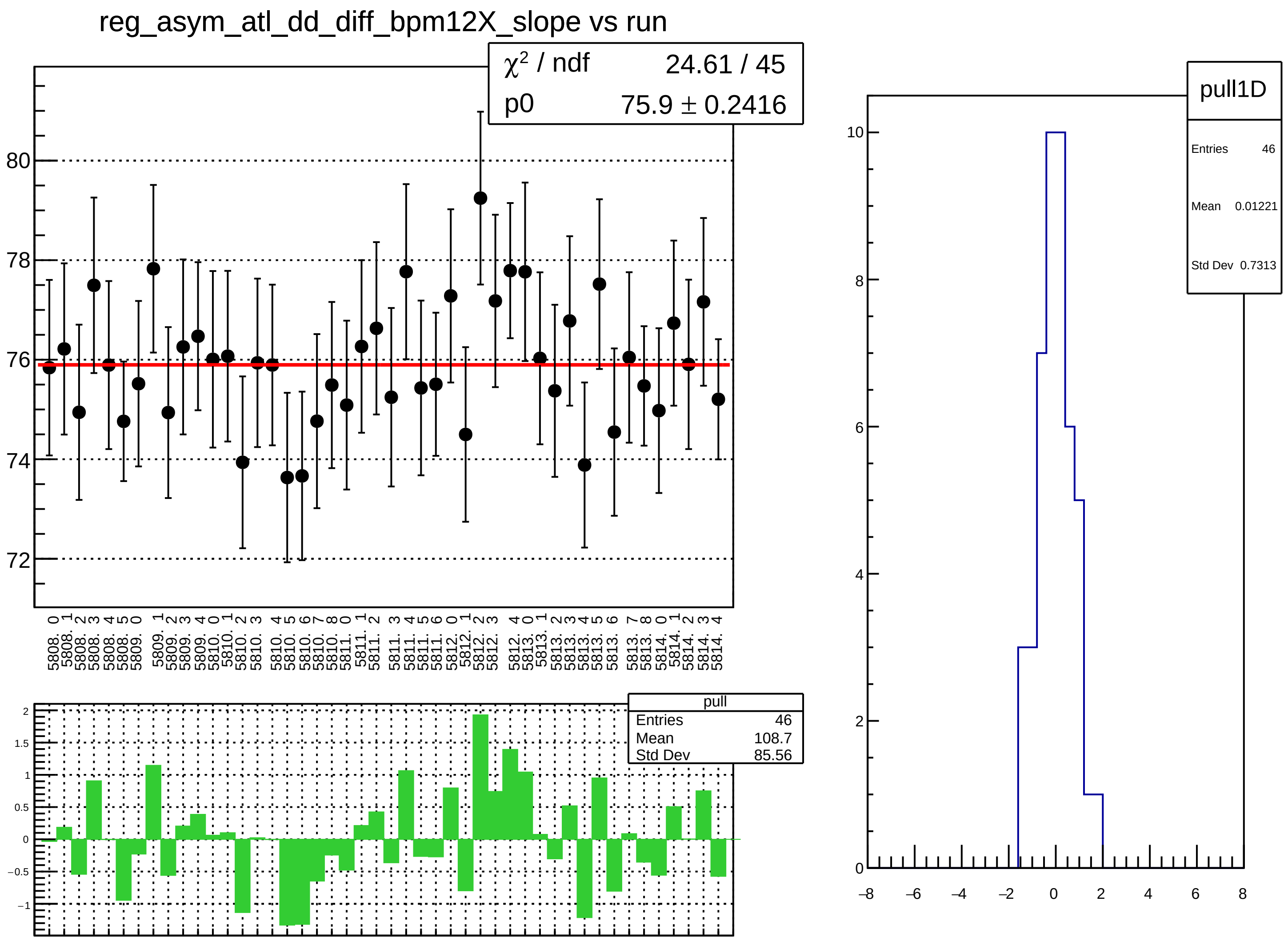


reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 25.5 / 45
p0 −3.097 ± 3.696
pull
Entries 46
Mean 72
Std Dev 55.09
pull1D
Entries 46
Mean −0.01628
Std Dev 0.7444

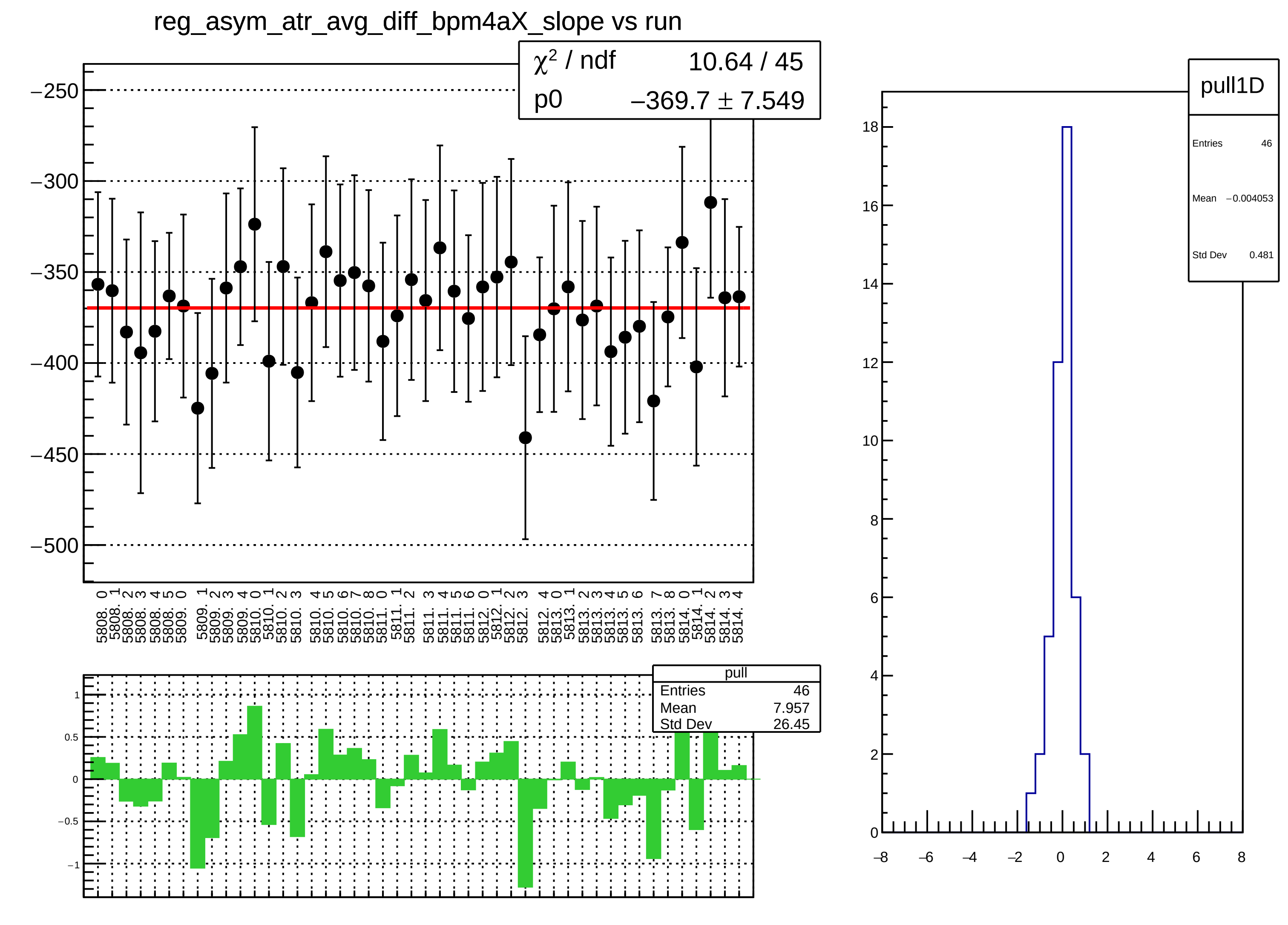


reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 28.53 / 45
p0 −182.7 ± 5.317
pull
Entries 46
Mean 1275
Std Dev 1254
pull1D
Entries 46
Mean −0.0029
Std Dev 0.7875

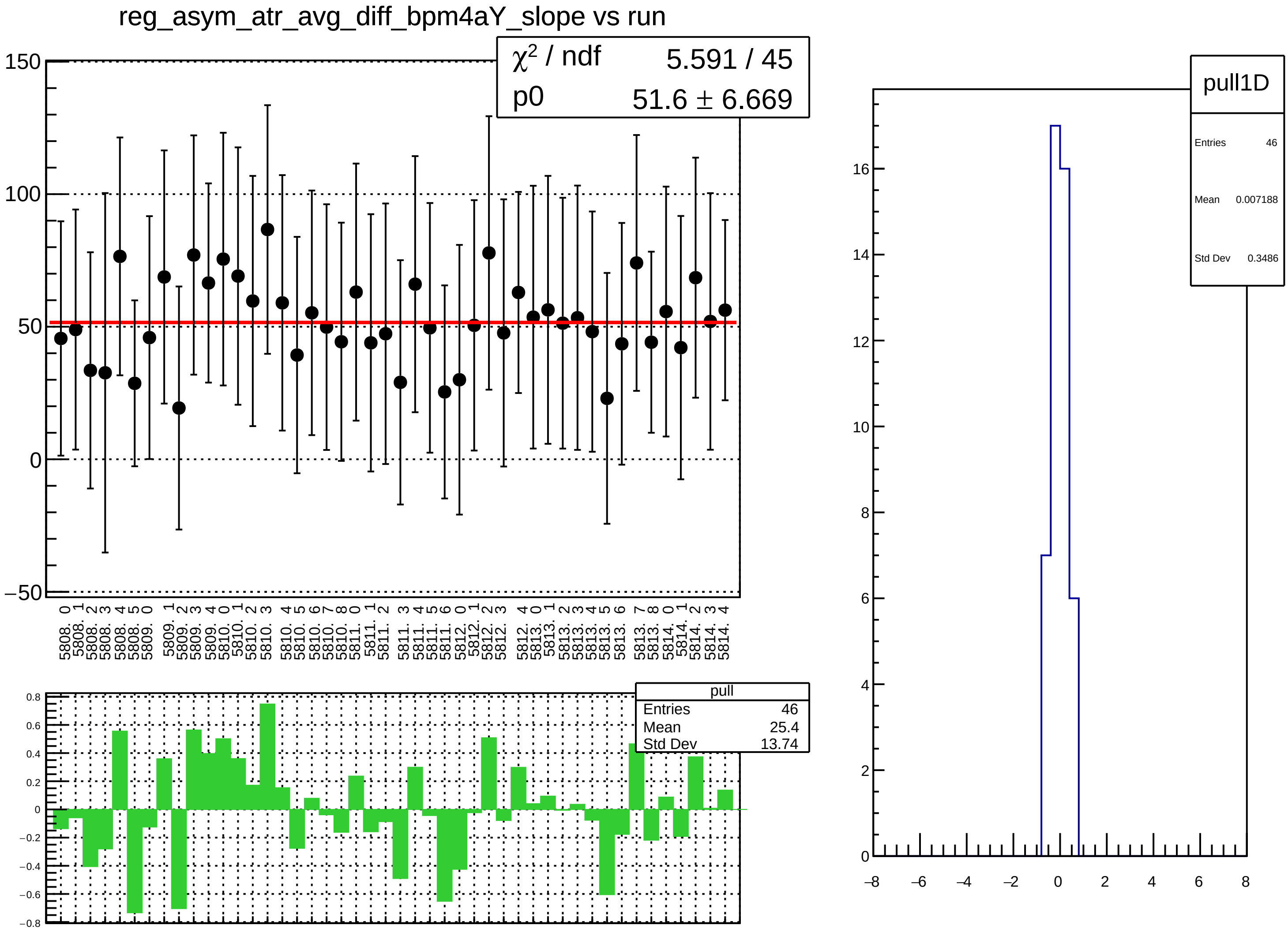

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 26.23 / 45
p0 −49.77 ± 4.048
pull
Entries 46
Mean 80.65
Std Dev 61.69
pull1D
Entries 46
Mean 0.01684
Std Dev 0.755



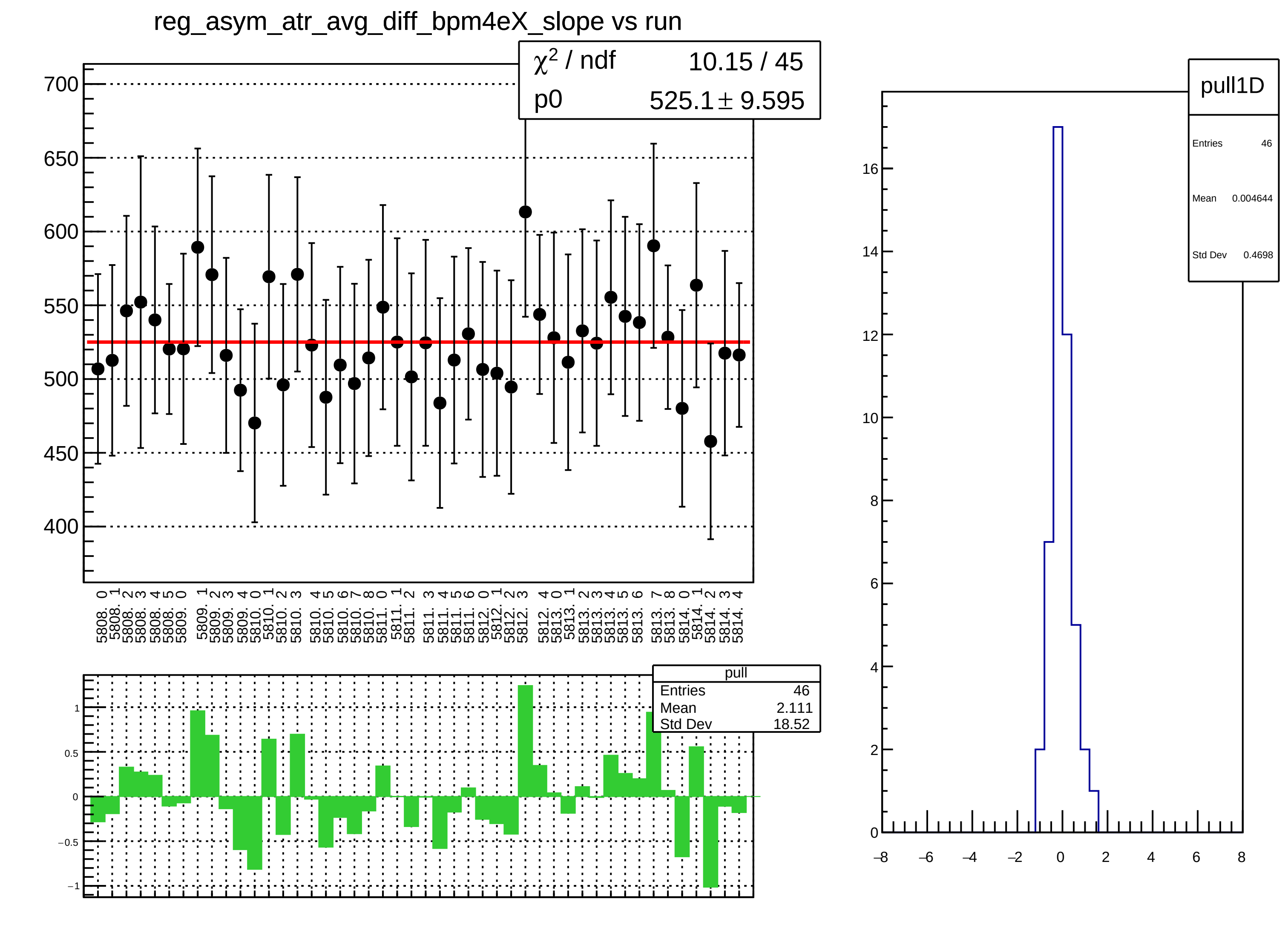
reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.61 / 45
p0 75.9 ± 0.2416
pull
Entries 46
Mean 108.7
Std Dev 85.56
pull1D
Entries 46
Mean 0.01221
Std Dev 0.7313



reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ2 / ndf 10.64 / 45
p0 −369.7 ± 7.549
pull
Entries 46
Mean 7.957
Std Dev 26.45
pull1D
Entries 46
Mean −0.004053
Std Dev 0.481

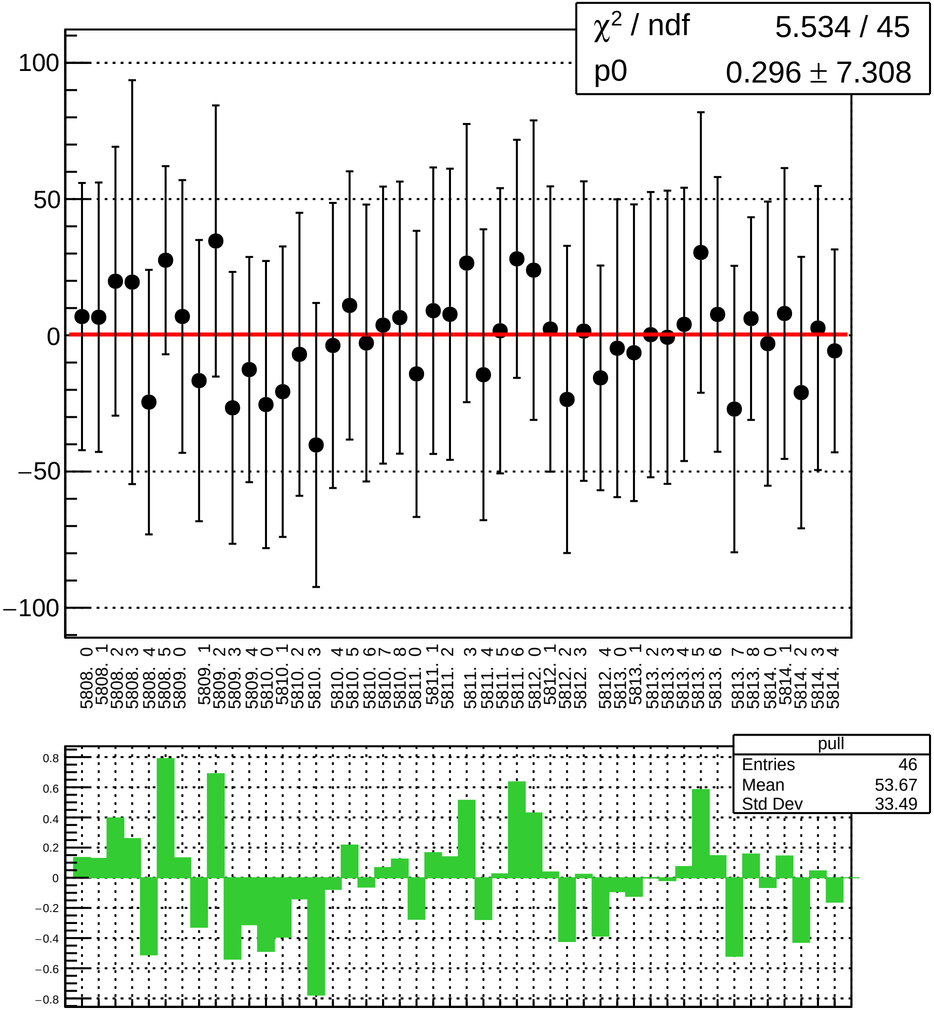


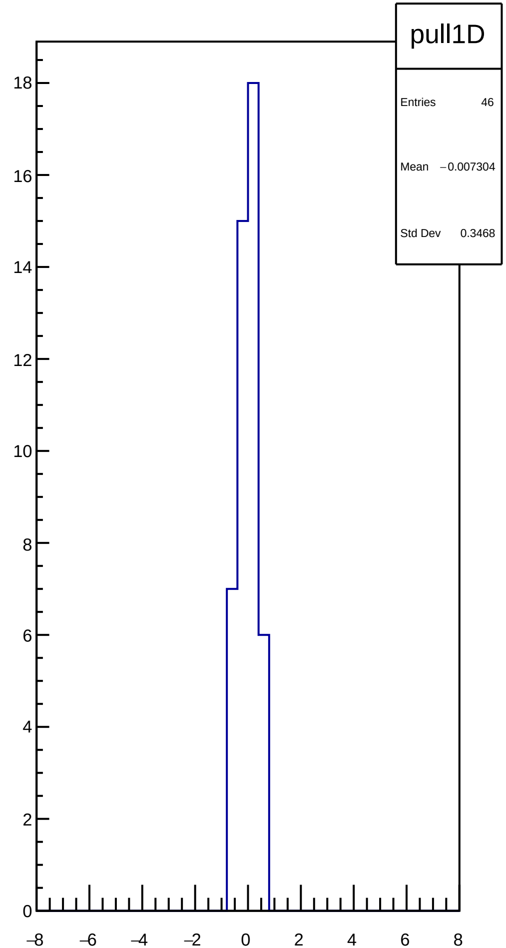
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.591 / 45
p0 51.6 ± 6.669
pull
Entries 46
Mean 25.4
Std Dev 13.74
pull1D
Entries 46
Mean 0.007188
Std Dev 0.3486

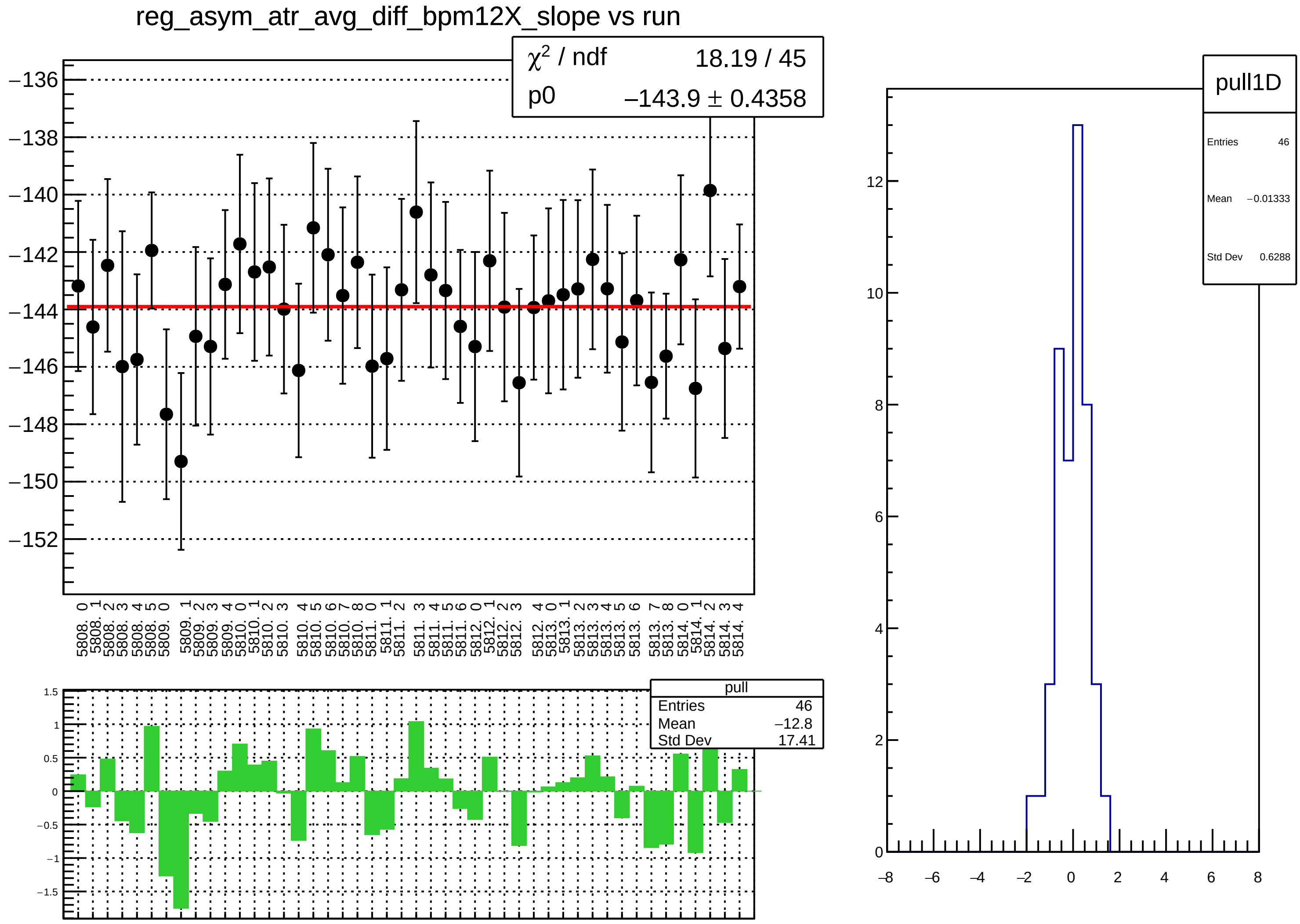


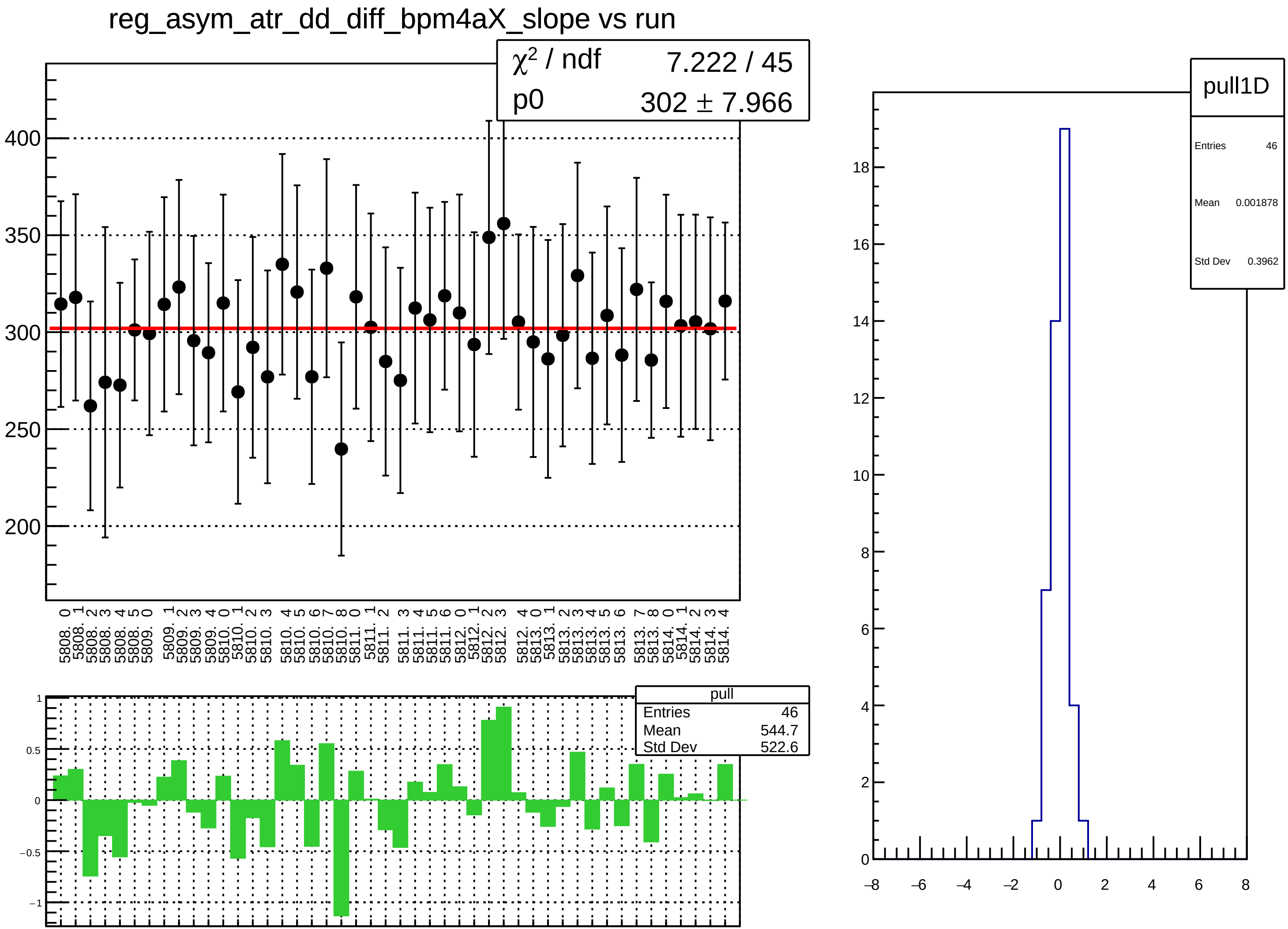
reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.15 / 45
p0 525.1 ± 9.595
pull
Entries 46
Mean 2.111
Std Dev 18.52
pull1D
Entries 46
Mean 0.004644
Std Dev 0.4698

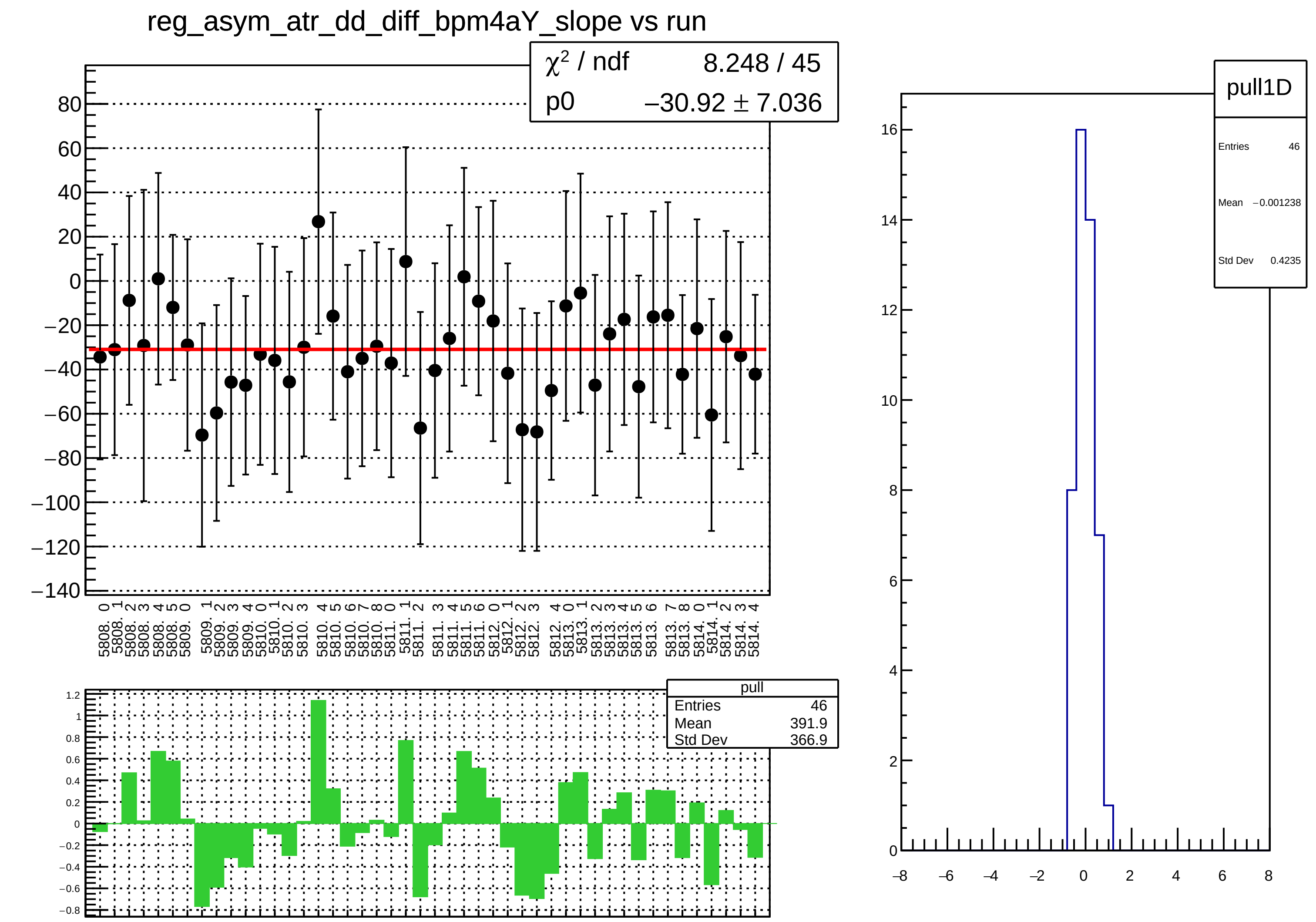
reg_asym_atr_avg_diff_bpm4eY_slope vs run



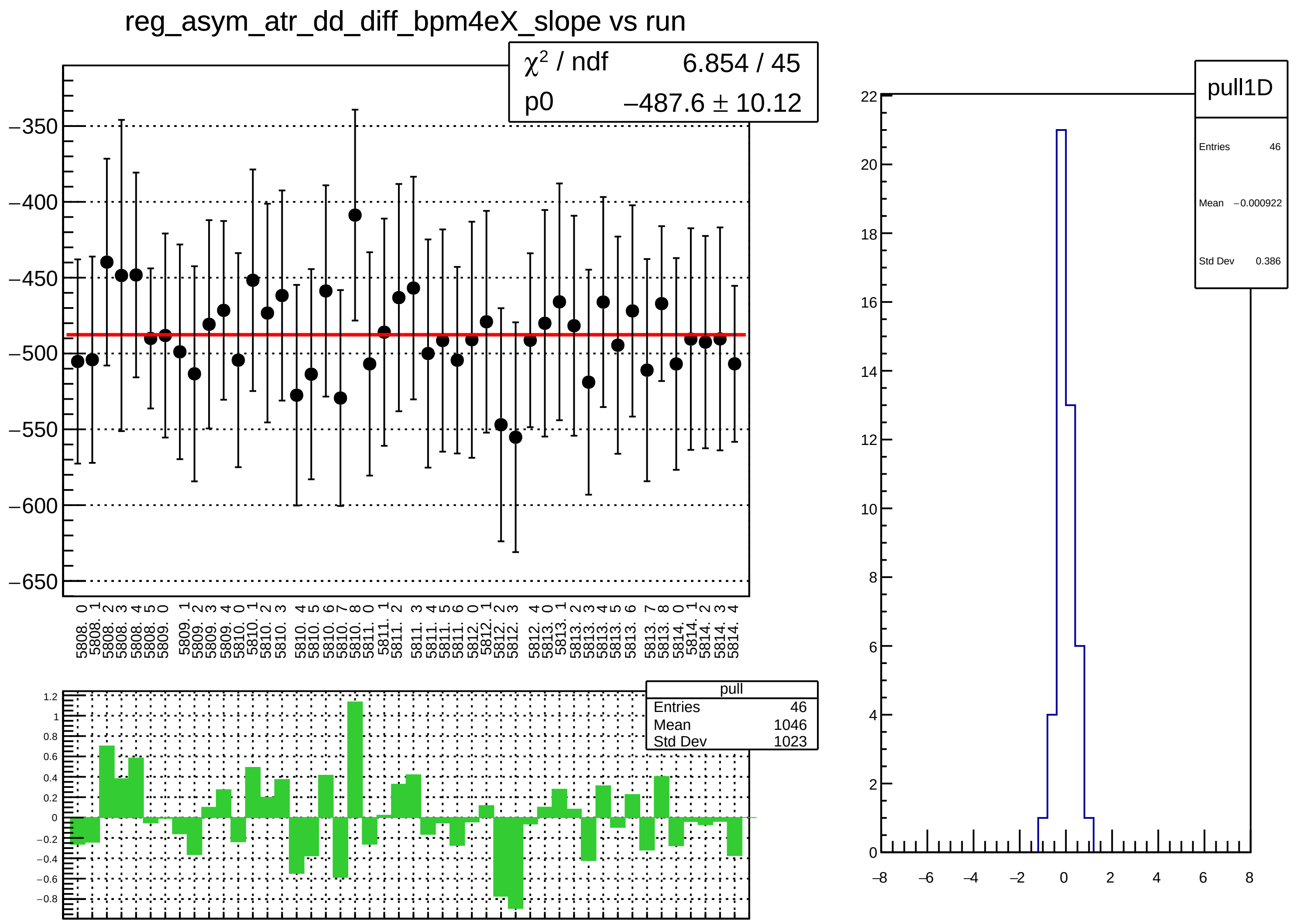


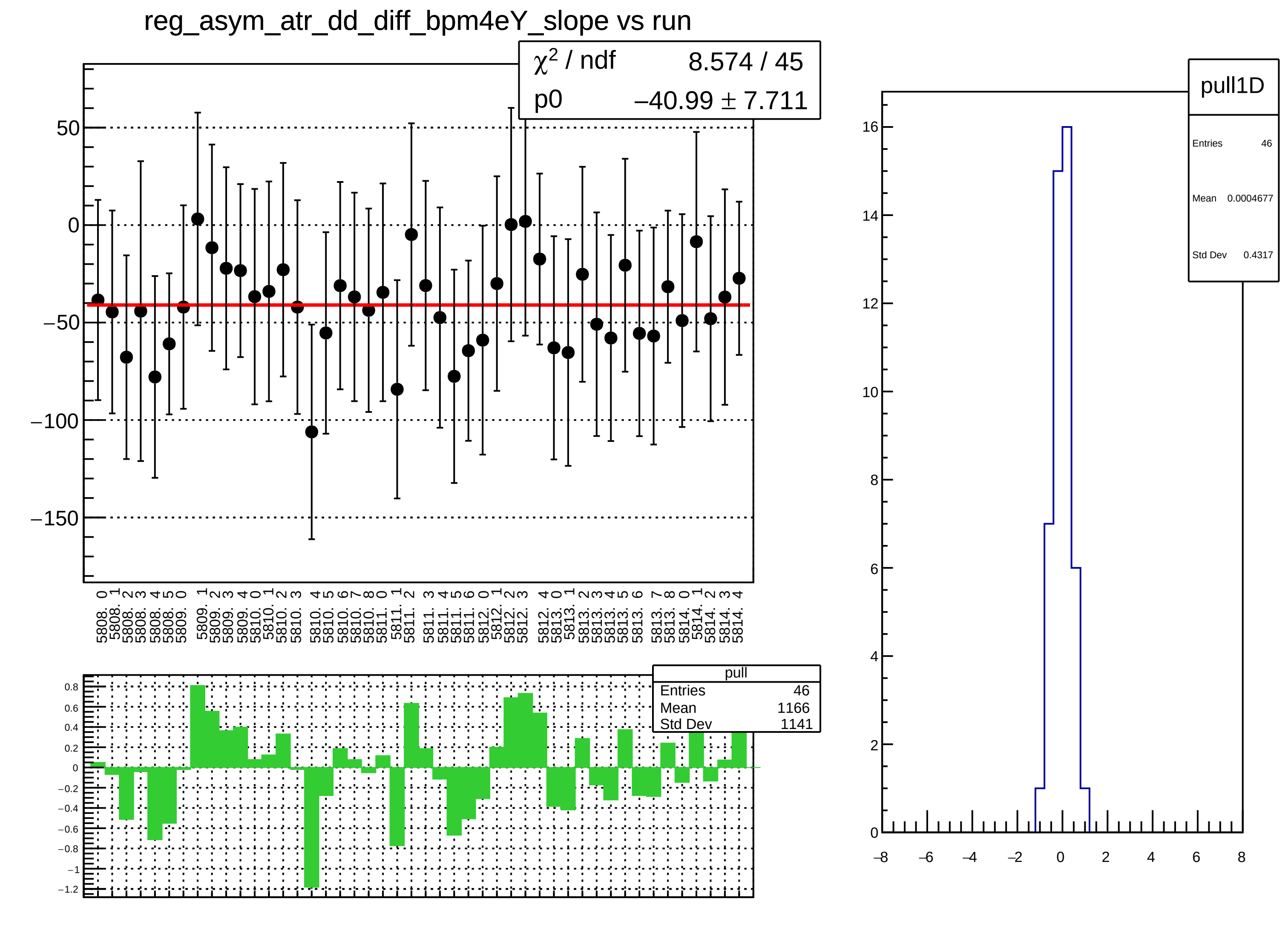

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.19 / 45
p0 −143.9 ± 0.4358
pull
Entries 46
Mean −12.8
Std Dev 17.41
pull1D
Entries 46
Mean −0.01333
Std Dev 0.6288


reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ2 / ndf 7.222 / 45
p0 302 ± 7.966
pull
Entries 46
Mean 544.7
Std Dev 522.6
pull1D
Entries 46
Mean 0.001878
Std Dev 0.3962

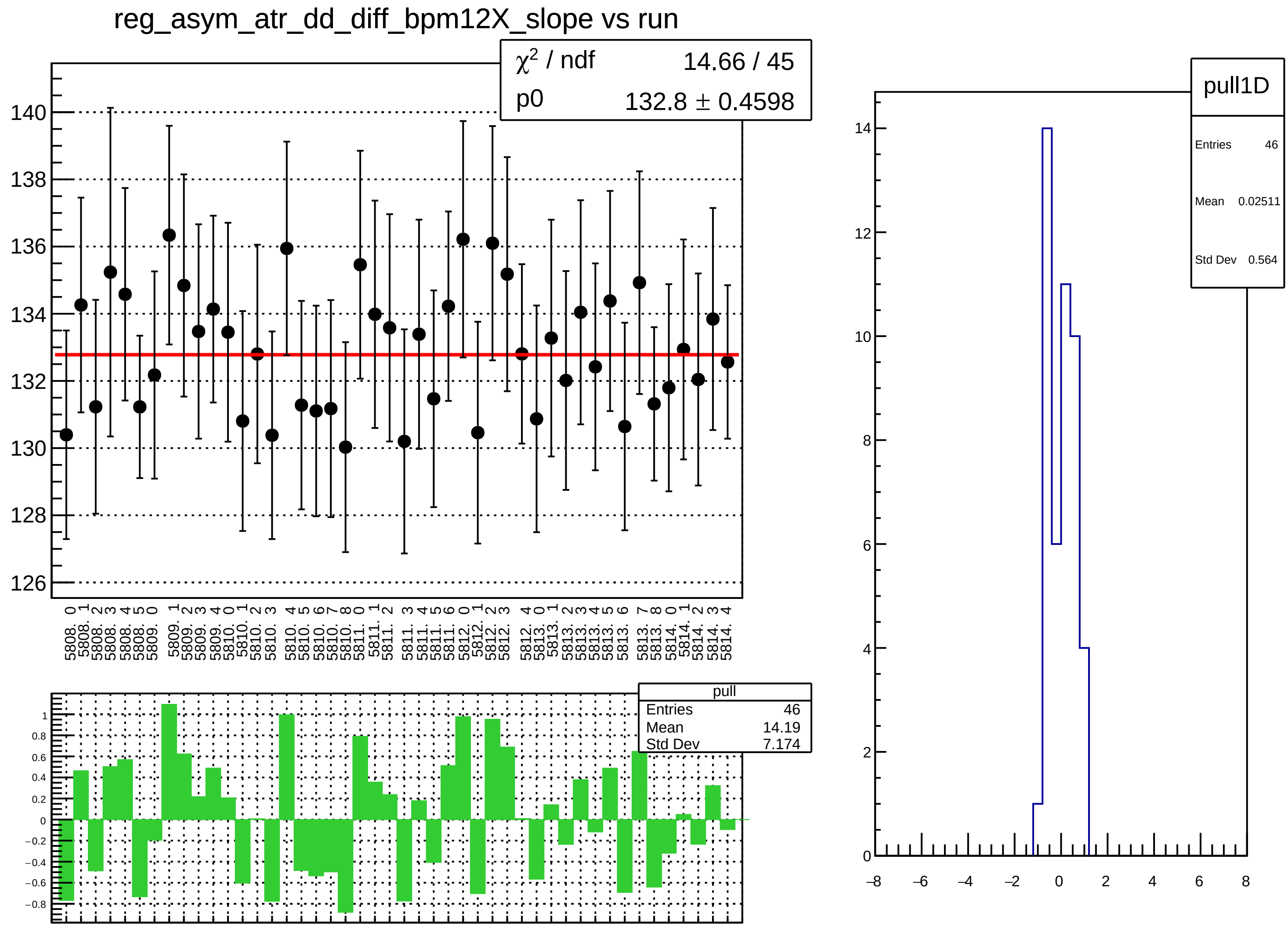


reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.248 / 45
p0 −30.92 ± 7.036
pull
Entries 46
Mean 391.9
Std Dev 366.9
pull1D
Entries 46
Mean −0.001238
Std Dev 0.4235

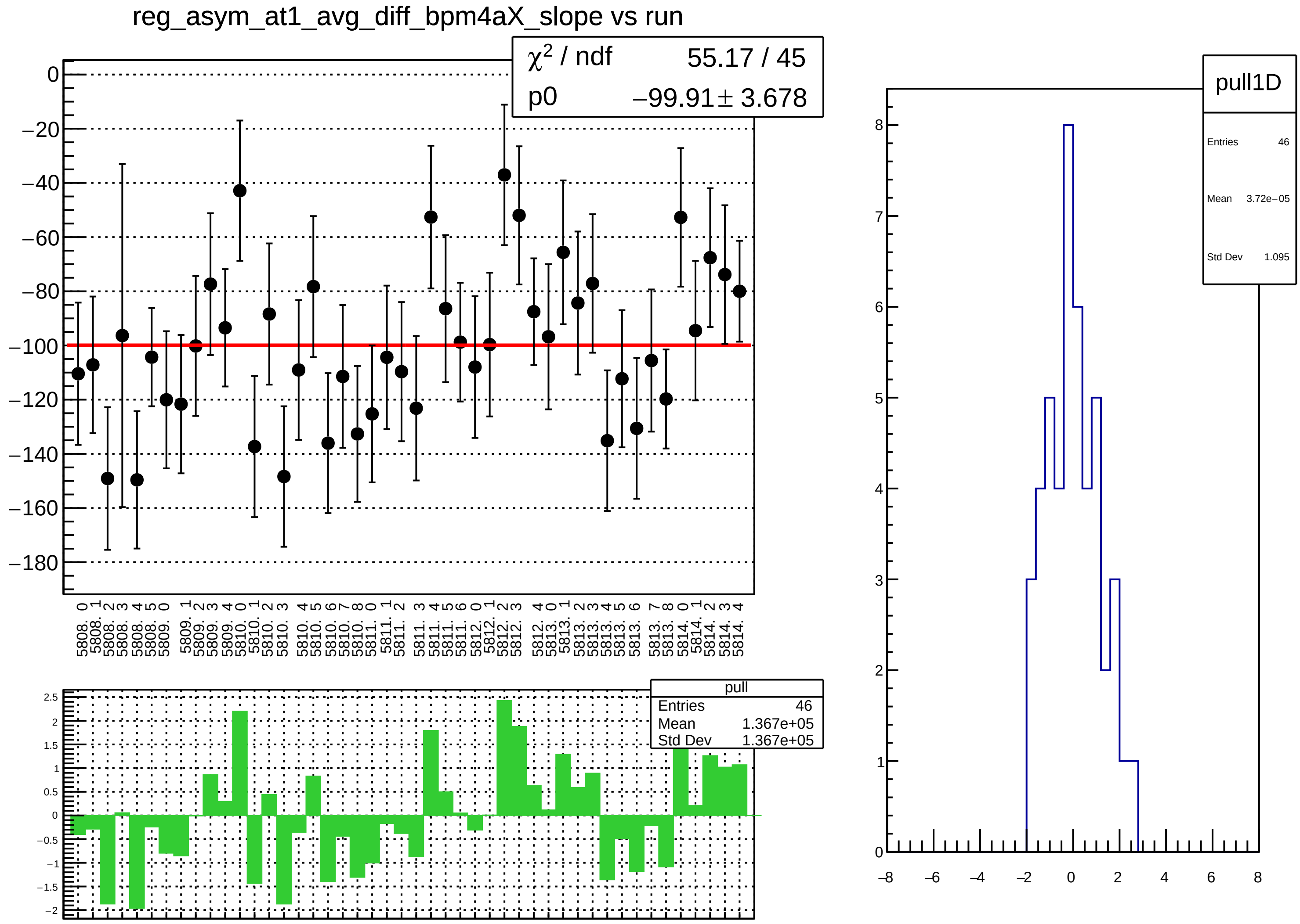

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.854 / 45
p0 −487.6 ± 10.12
pull
Entries 46
Mean 1046
Std Dev 1023
pull1D
Entries 46
Mean −0.000922
Std Dev 0.386



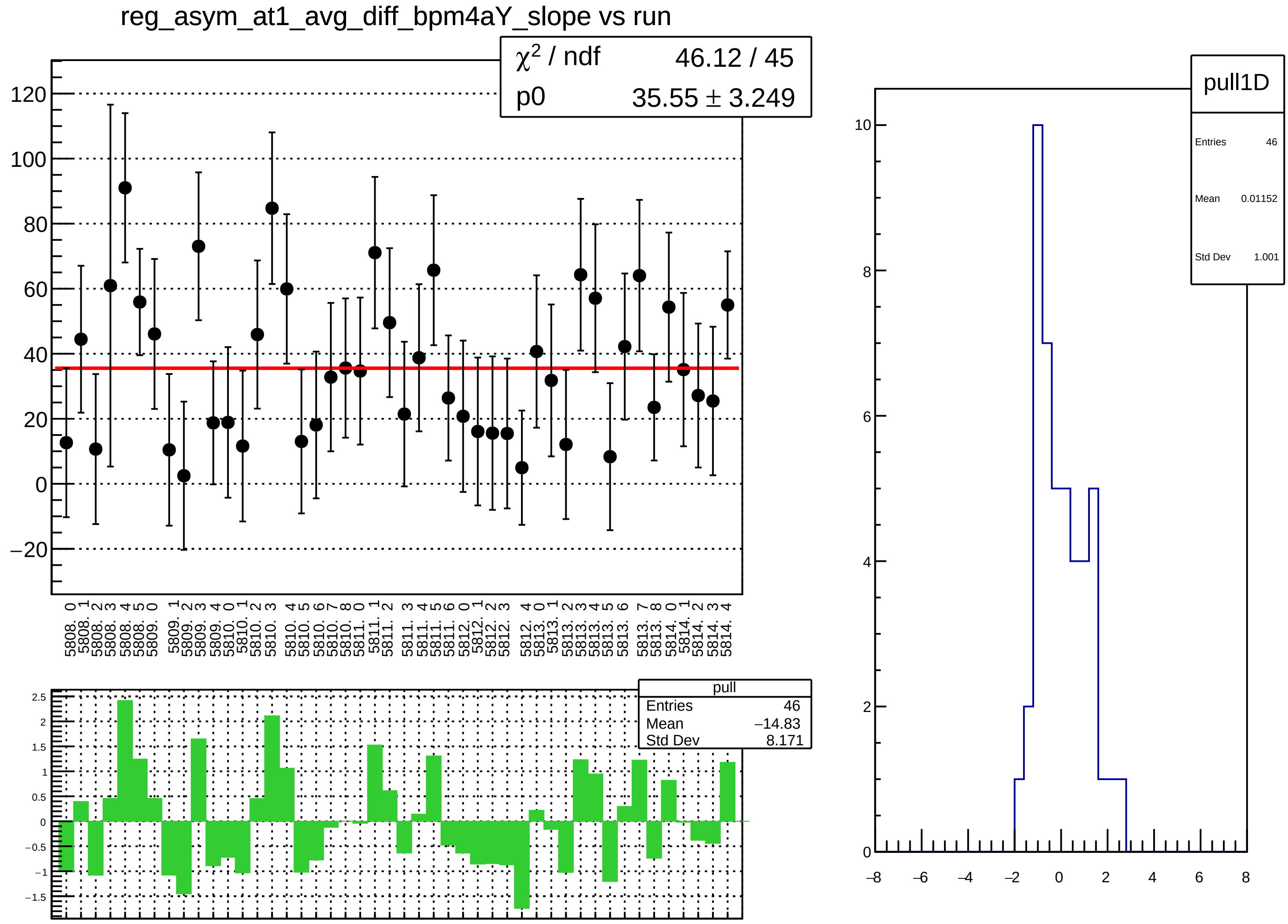
reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.574 / 45
p0 −40.99 ± 7.711
pull
Entries 46
Mean 1166
Std Dev 1141
pull1D
Entries 46
Mean 0.0004677
Std Dev 0.4317



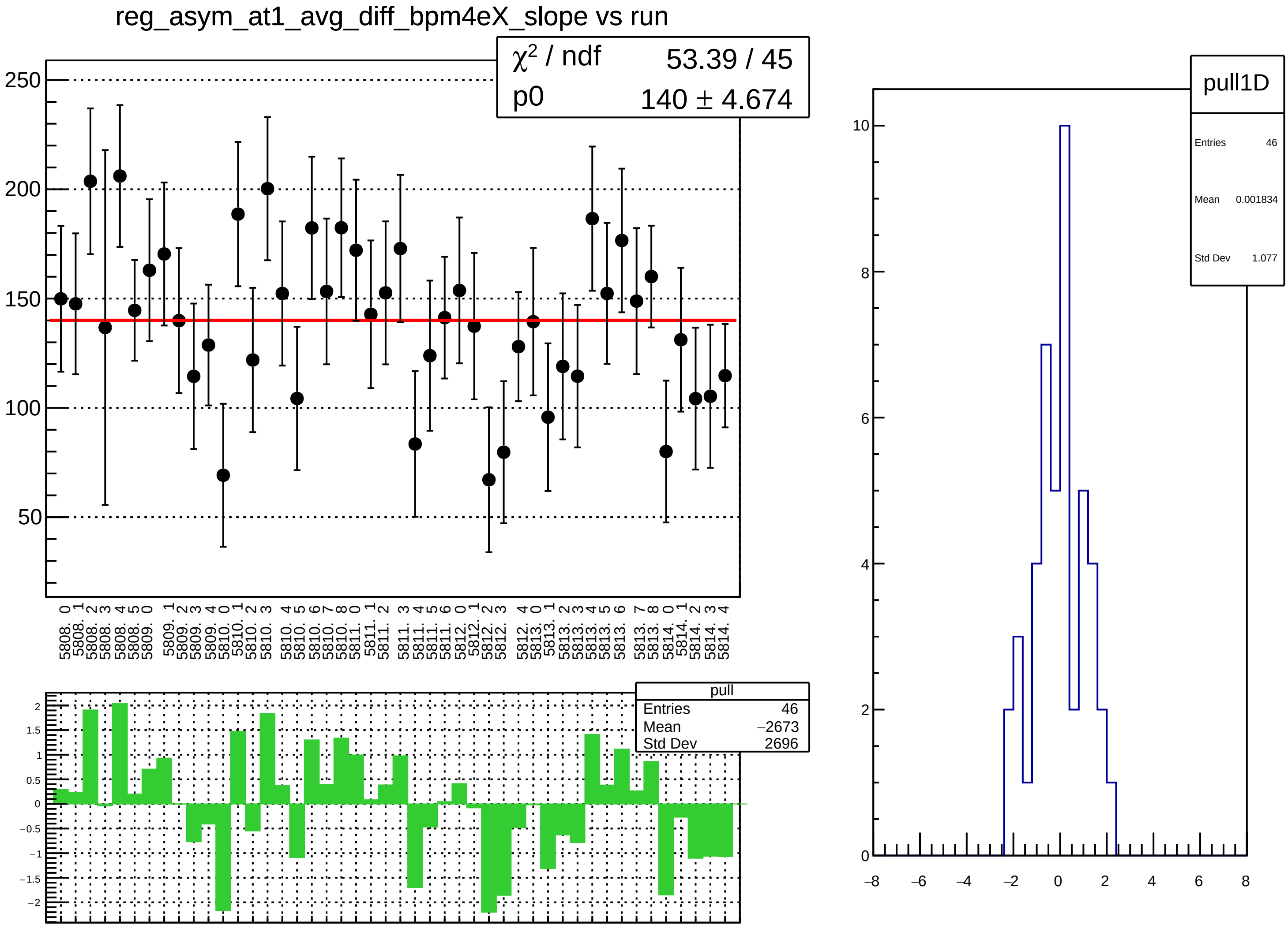
reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.66 / 45
p0 132.8 ± 0.4598
pull
Entries 46
Mean 14.19
Std Dev 7.174
pull1D
Entries 46
Mean 0.02511
Std Dev 0.564



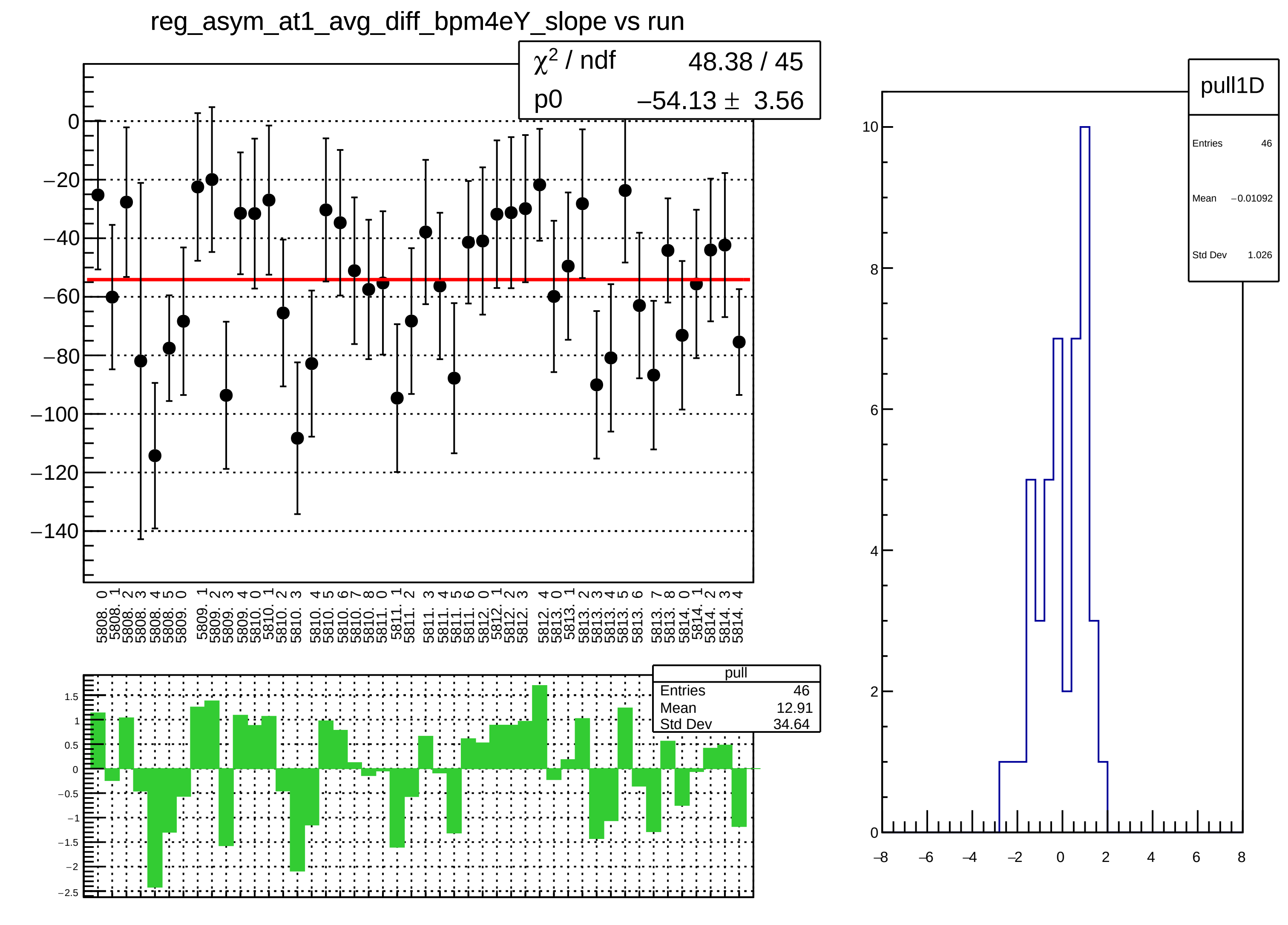
reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 55.17 / 45
p0 −99.91 ± 3.678
pull
Entries 46
Mean 1.367e+05
Std Dev 1.367e+05
pull1D
Entries 46
Mean 3.72e−05
Std Dev 1.095

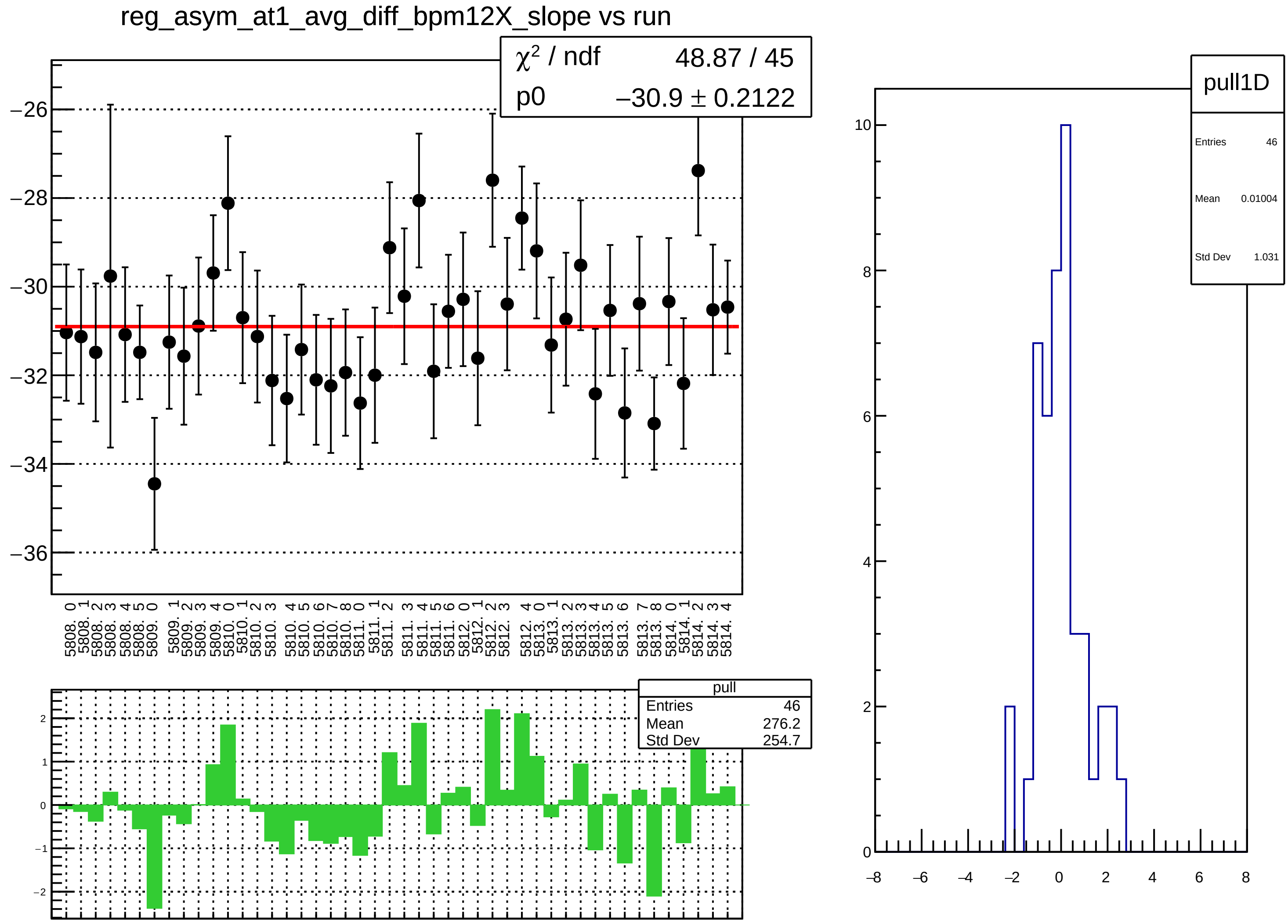


reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 46.12 / 45
p0 35.55 ± 3.249
pull
Entries 46
Mean −14.83
Std Dev 8.171
pull1D
Entries 46
Mean 0.01152
Std Dev 1.001

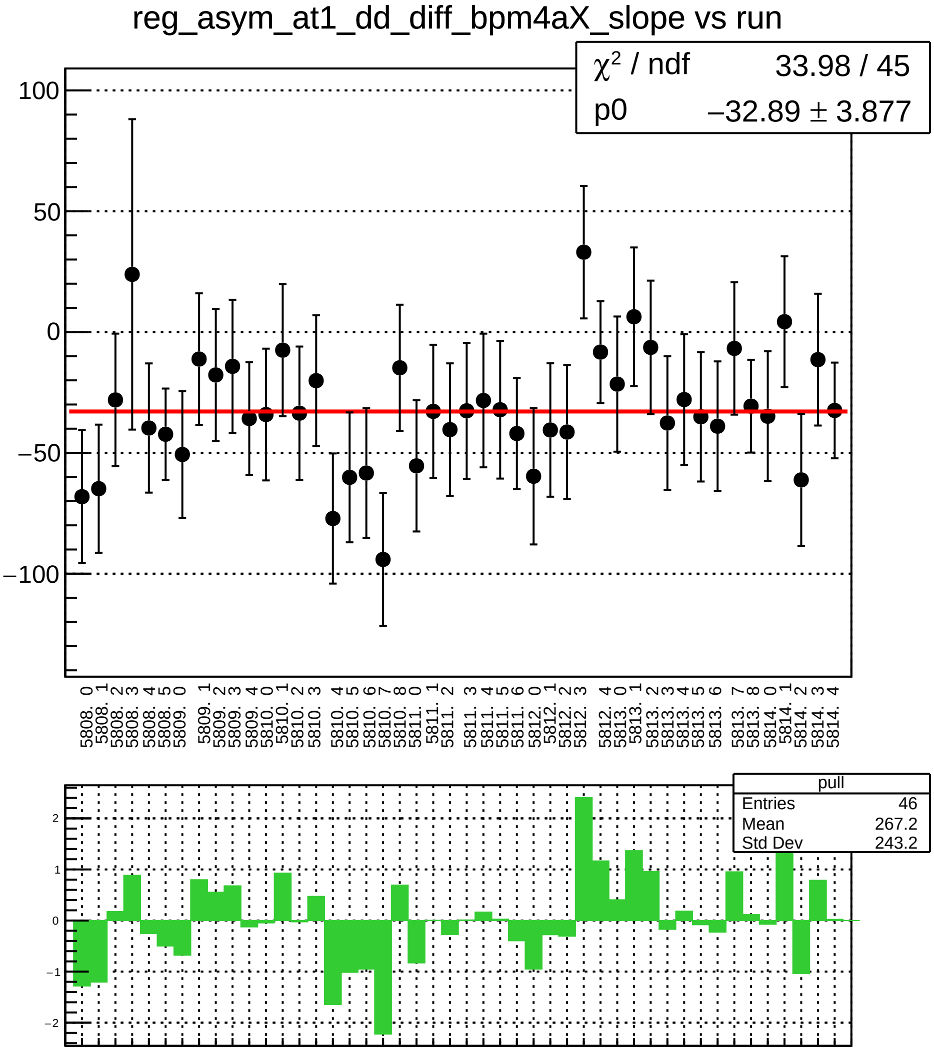


reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 53.39 / 45
p0 140 ± 4.674
pull
Entries 46
Mean −2673
Std Dev 2696
pull1D
Entries 46
Mean 0.001834
Std Dev 1.077

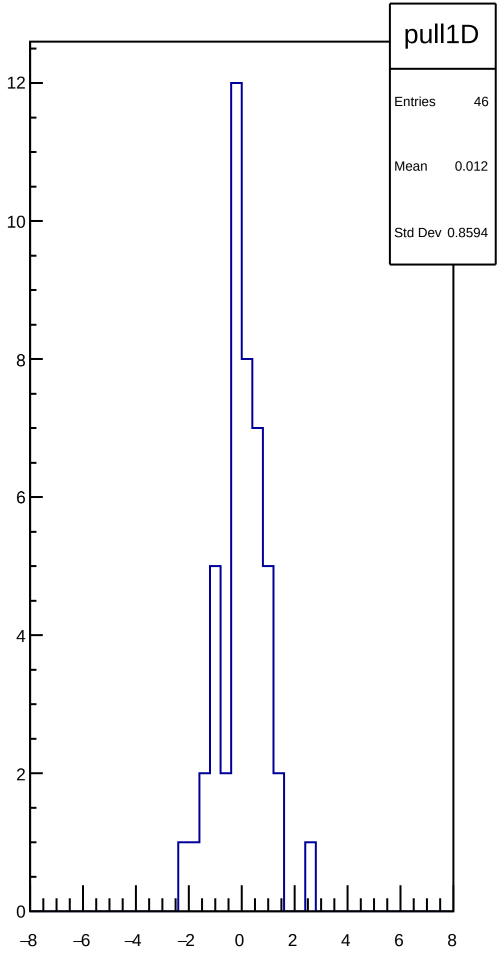

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 48.38 / 45
p0 −54.13 ± 3.56
pull
Entries 46
Mean 12.91
Std Dev 34.64
pull1D
Entries 46
Mean −0.01092
Std Dev 1.026



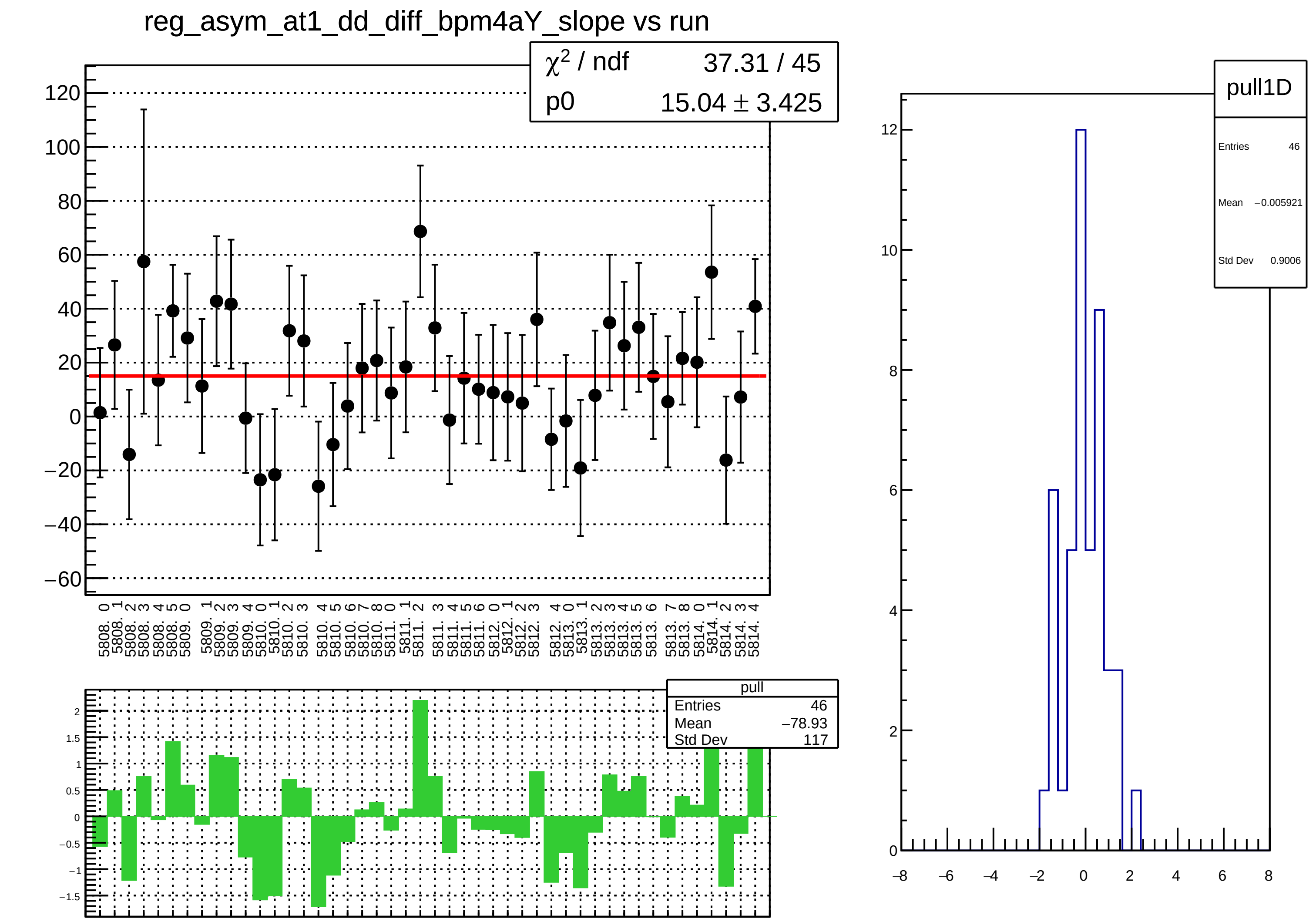
reg_asym_at1_avg_diff_bpm12X_slope vs run
χ2 / ndf 48.87 / 45
p0 −30.9 ± 0.2122
pull
Entries 46
Mean 276.2
Std Dev 254.7
pull1D
Entries 46
Mean 0.01004
Std Dev 1.031

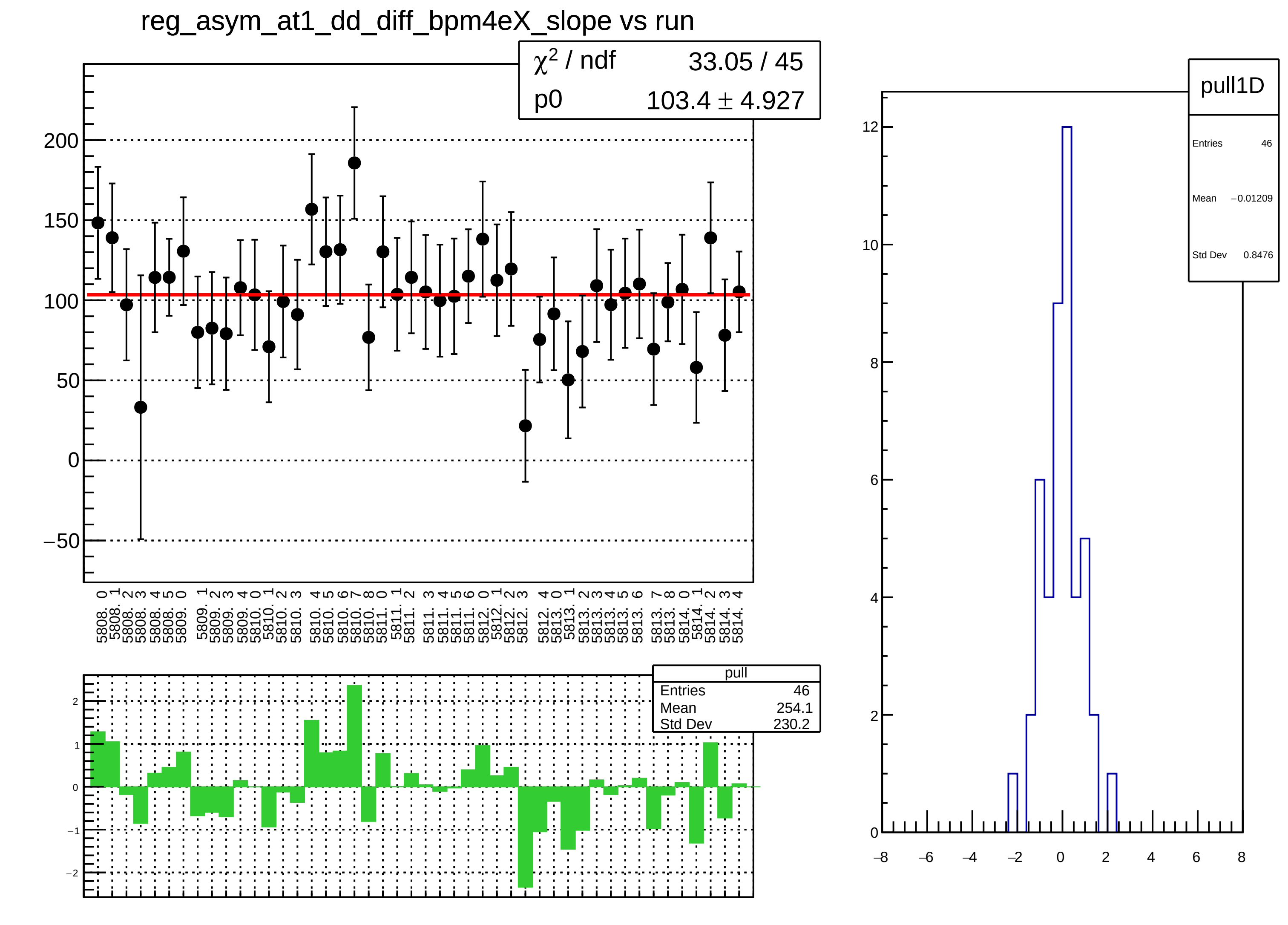


reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 33.98 / 45
p0 −32.89 ± 3.877
pull
Entries 46
Mean 267.2
Std Dev 243.2

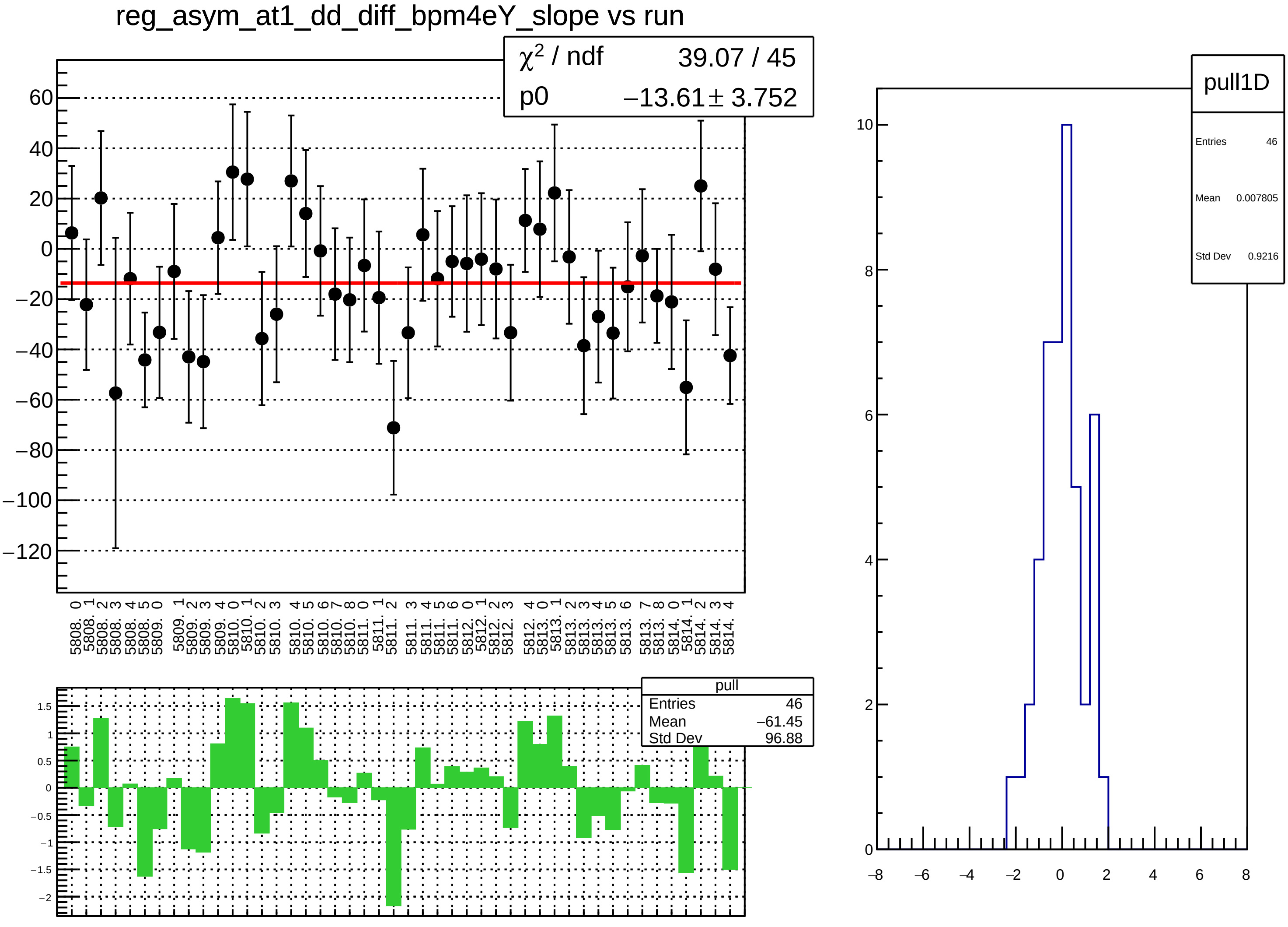


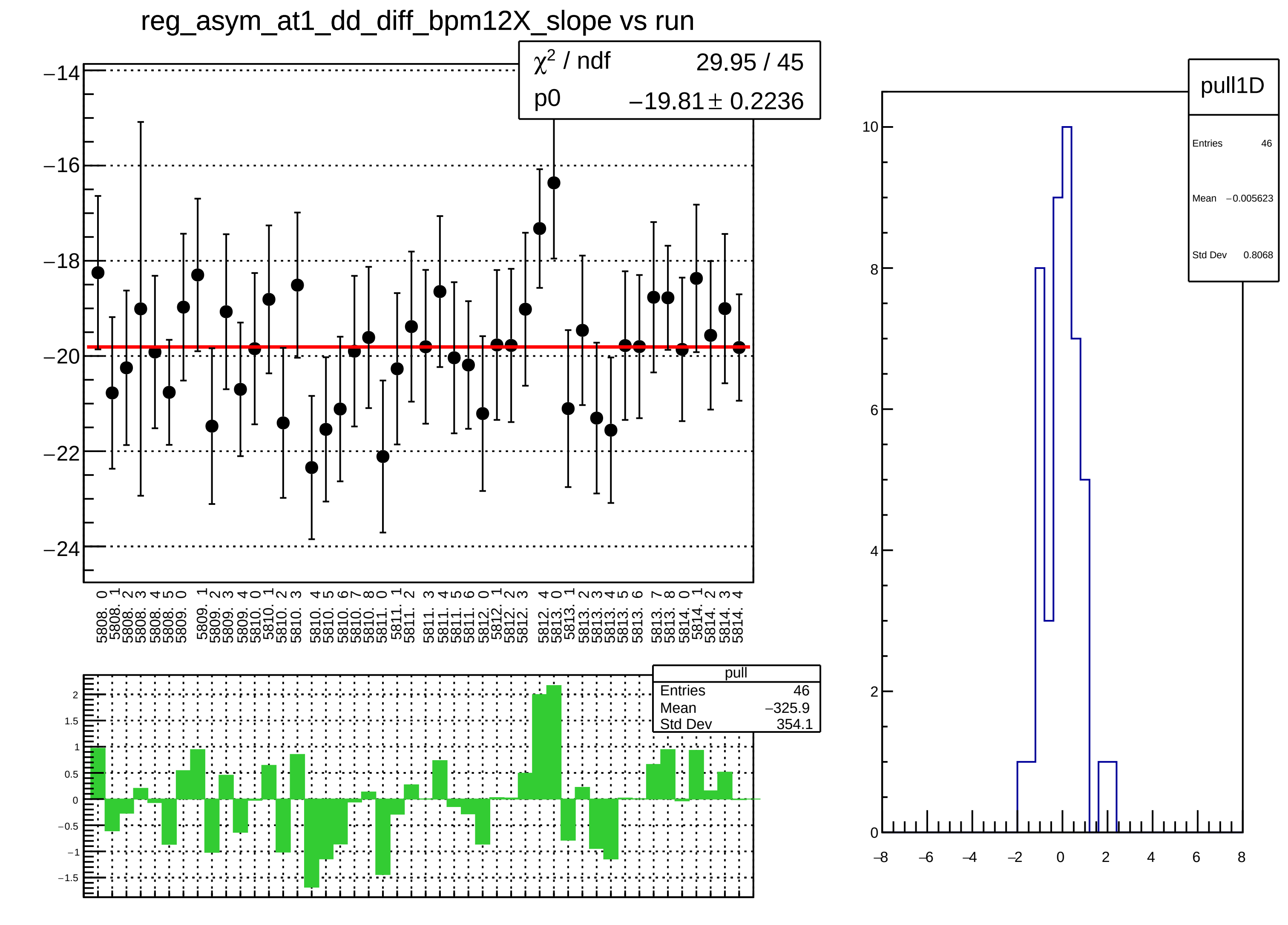
pull1D
Entries 46
Mean 0.012
Std Dev 0.8594

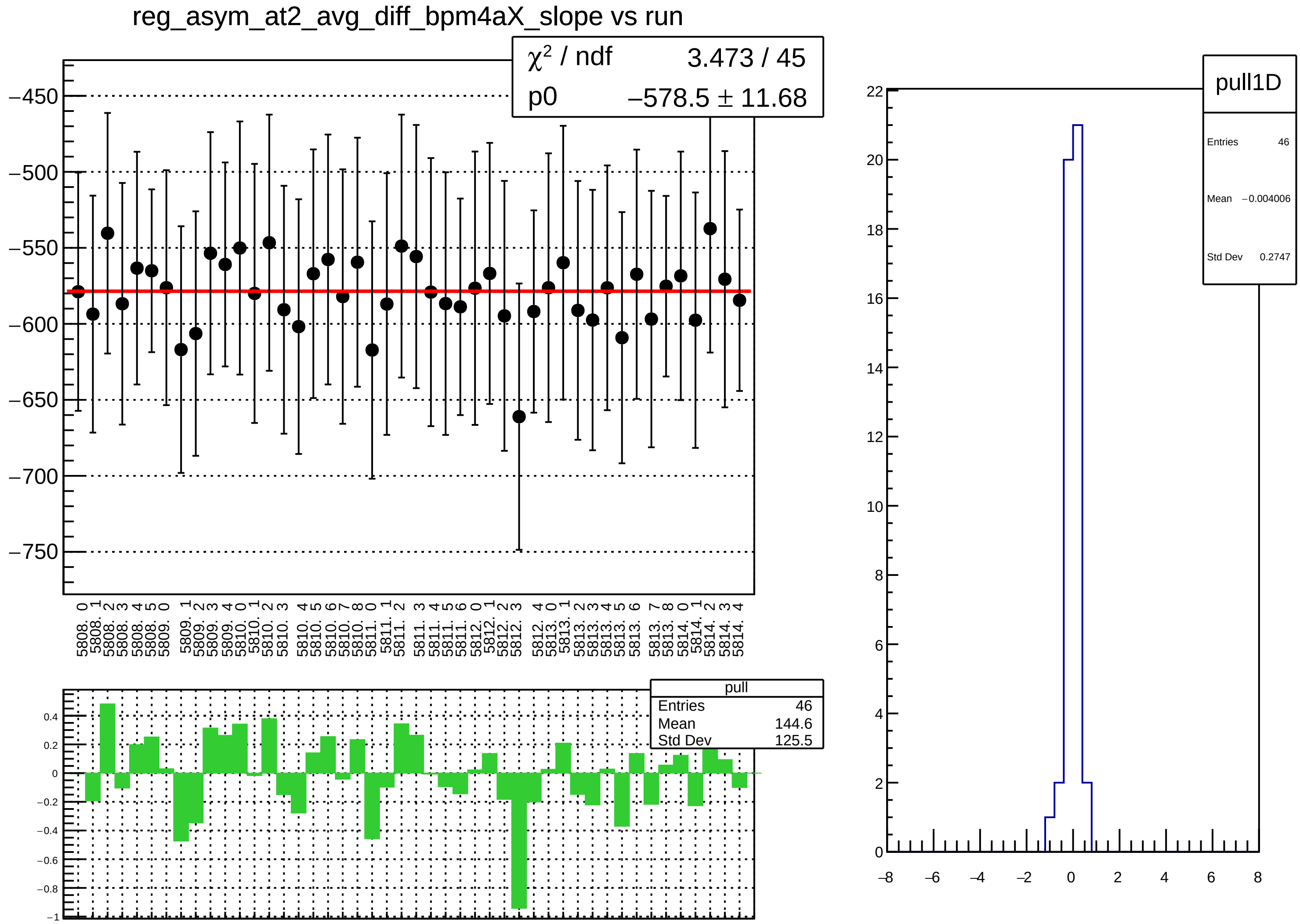

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 37.31 / 45
p0 15.04 ± 3.425
pull
Entries 46
Mean −78.93
Std Dev 117
pull1D
Entries 46
Mean −0.005921
Std Dev 0.9006



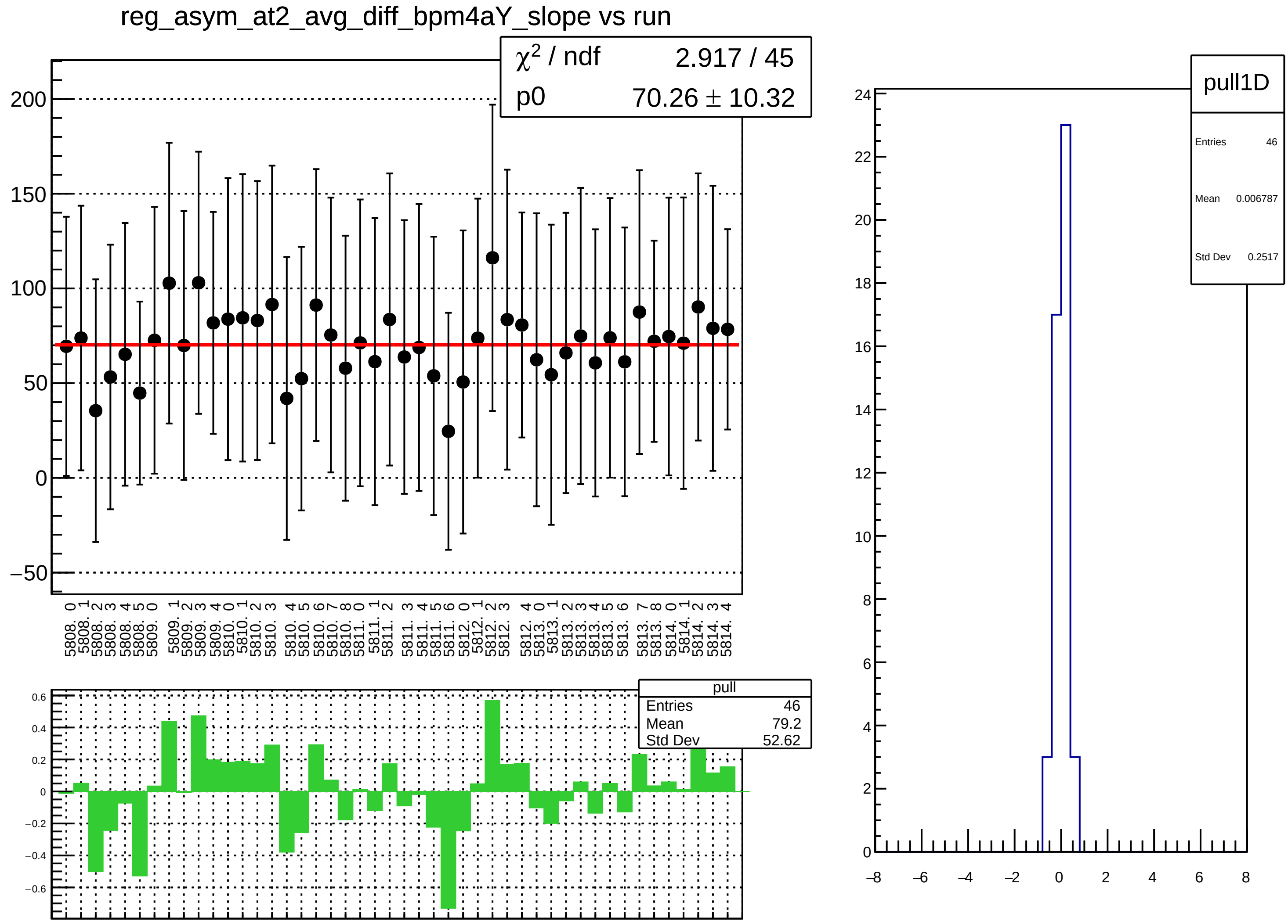
reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 33.05 / 45
p0 103.4 ± 4.927
pull
Entries 46
Mean 254.1
Std Dev 230.2
pull1D
Entries 46
Mean −0.01209
Std Dev 0.8476


reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 39.07 / 45
p0 −13.61 ± 3.752
pull
Entries 46
Mean −61.45
Std Dev 96.88
pull1D
Entries 46
Mean 0.007805
Std Dev 0.9216

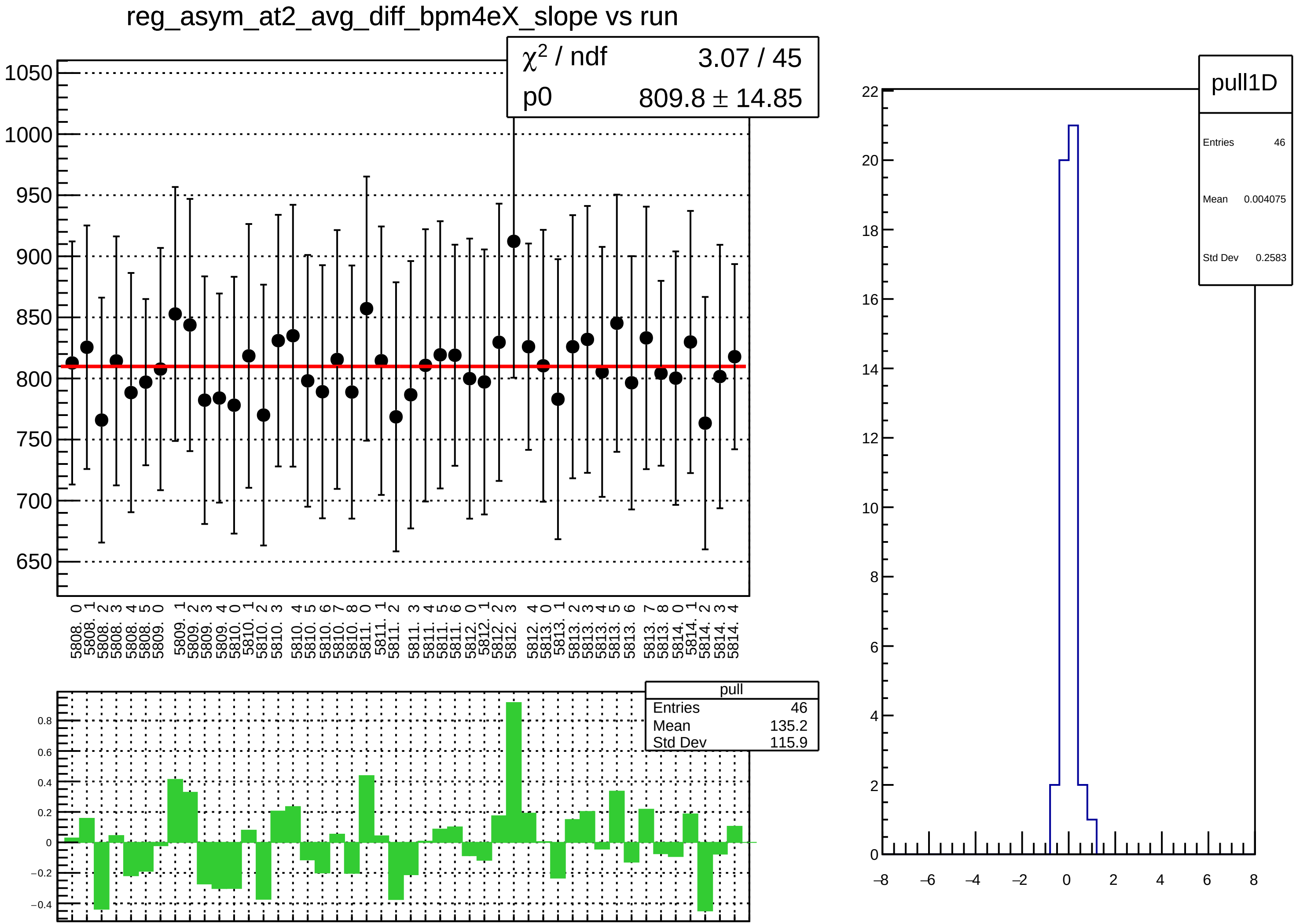

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 29.95 / 45
p0 −19.81 ± 0.2236
pull
Entries 46
Mean −325.9
Std Dev 354.1
pull1D
Entries 46
Mean −0.005623
Std Dev 0.8068



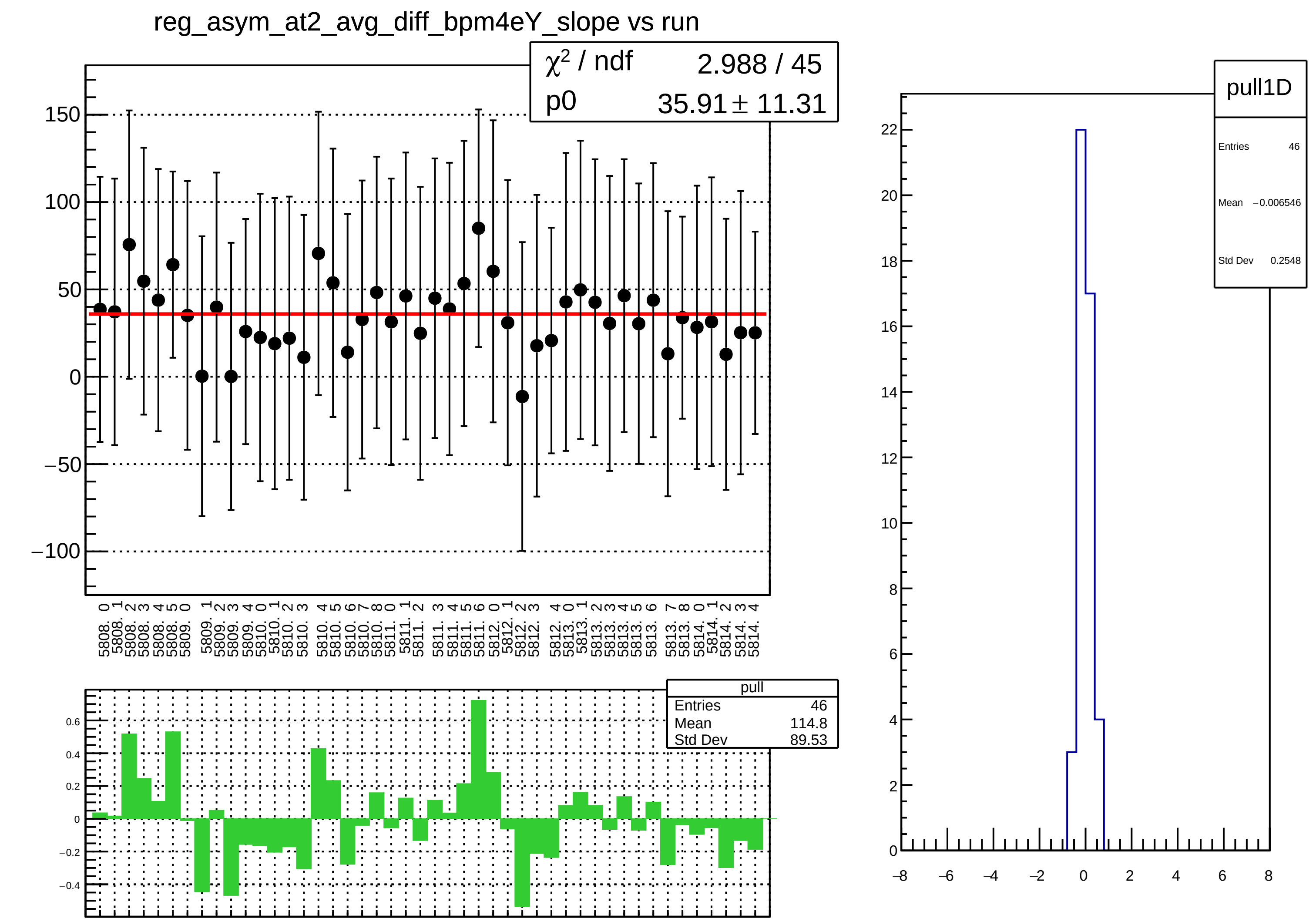
reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ2 / ndf 3.473 / 45
p0 −578.5 ± 11.68
pull
Entries 46
Mean 144.6
Std Dev 125.5
pull1D
Entries 46
Mean −0.004006
Std Dev 0.2747



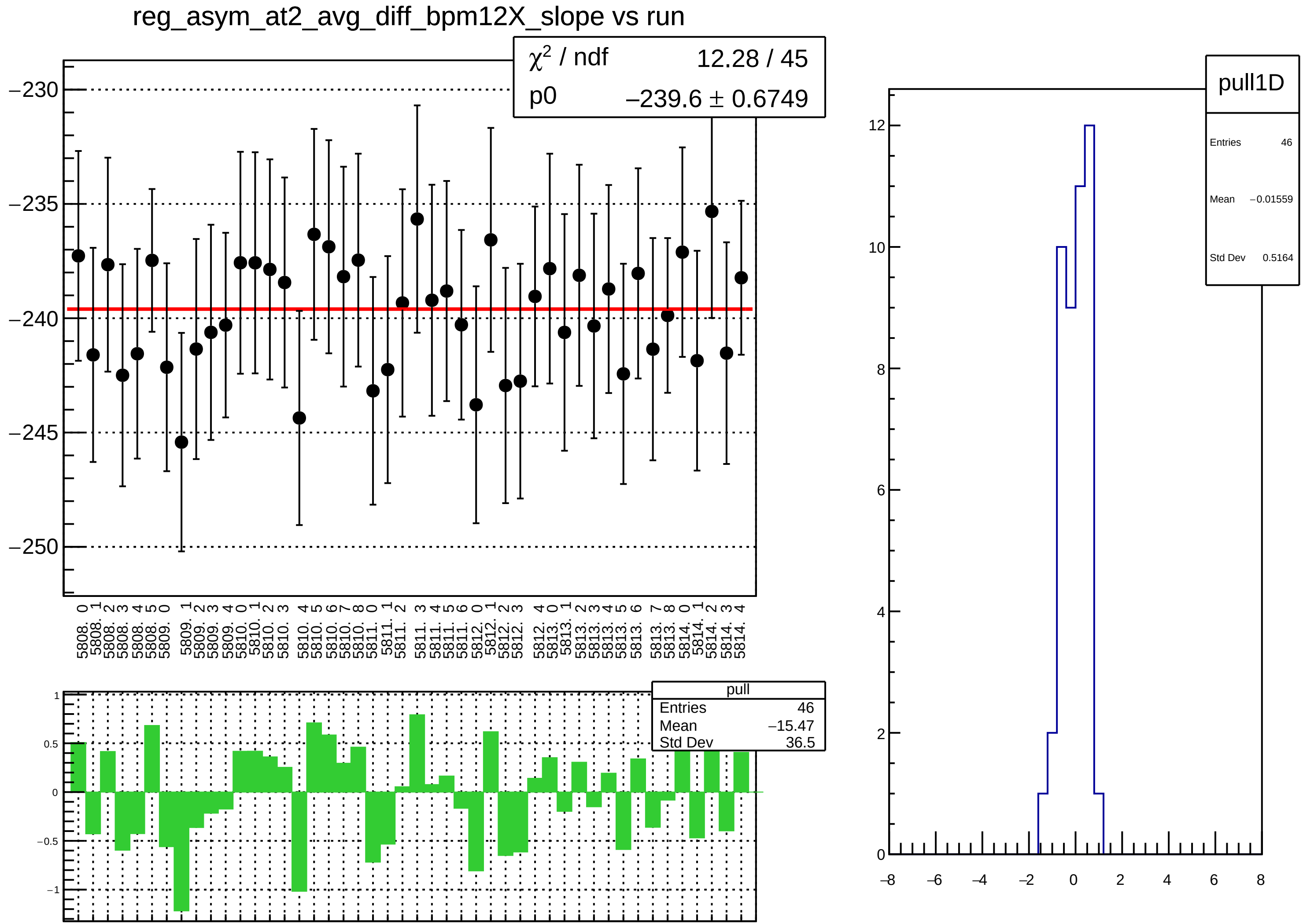
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.917 / 45
p0 70.26 ± 10.32
pull
Entries 46
Mean 79.2
Std Dev 52.62
pull1D
Entries 46
Mean 0.006787
Std Dev 0.2517



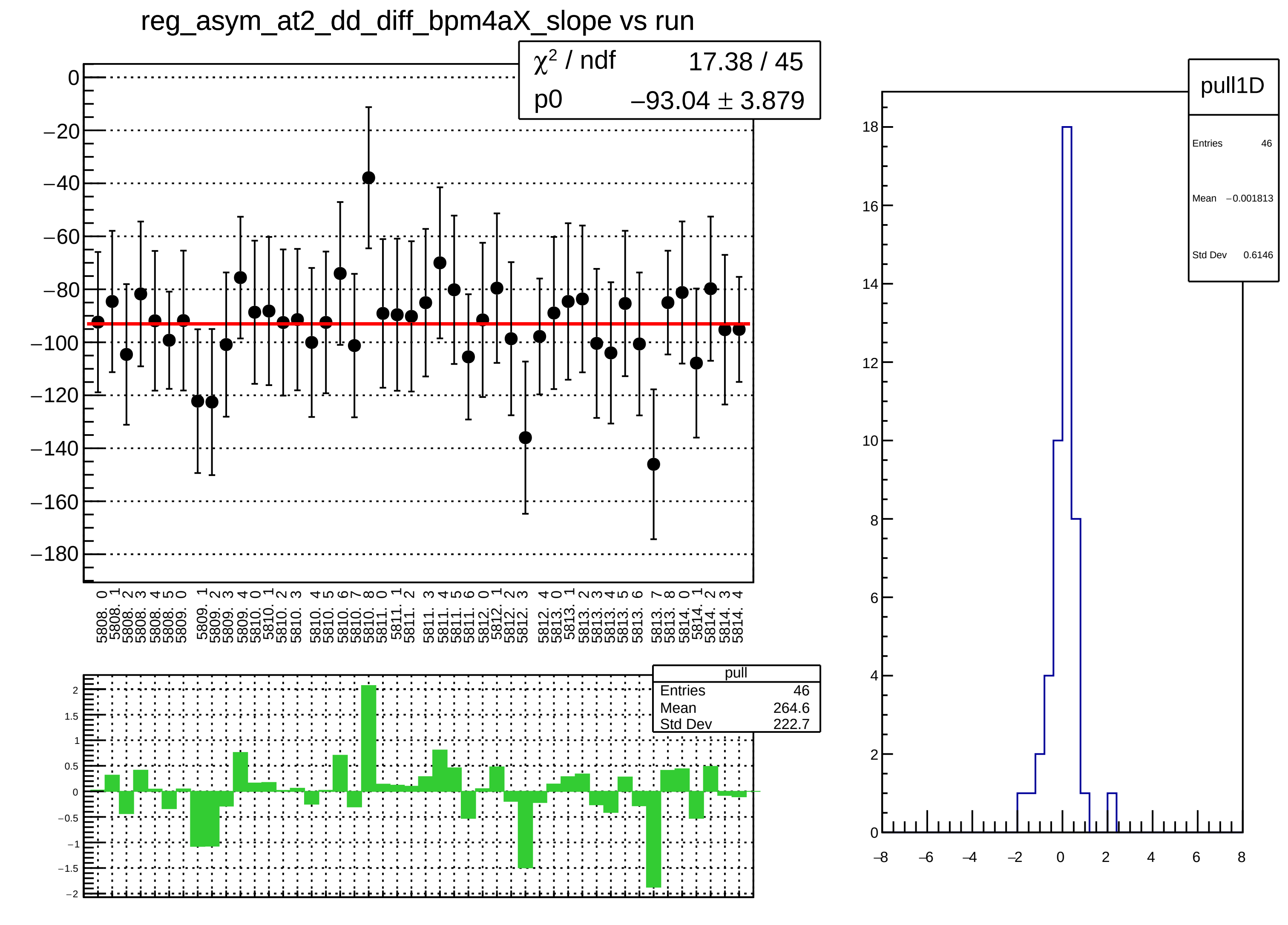
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.07 / 45
p0 809.8 ± 14.85
pull
Entries 46
Mean 135.2
Std Dev 115.9
pull1D
Entries 46
Mean 0.004075
Std Dev 0.2583



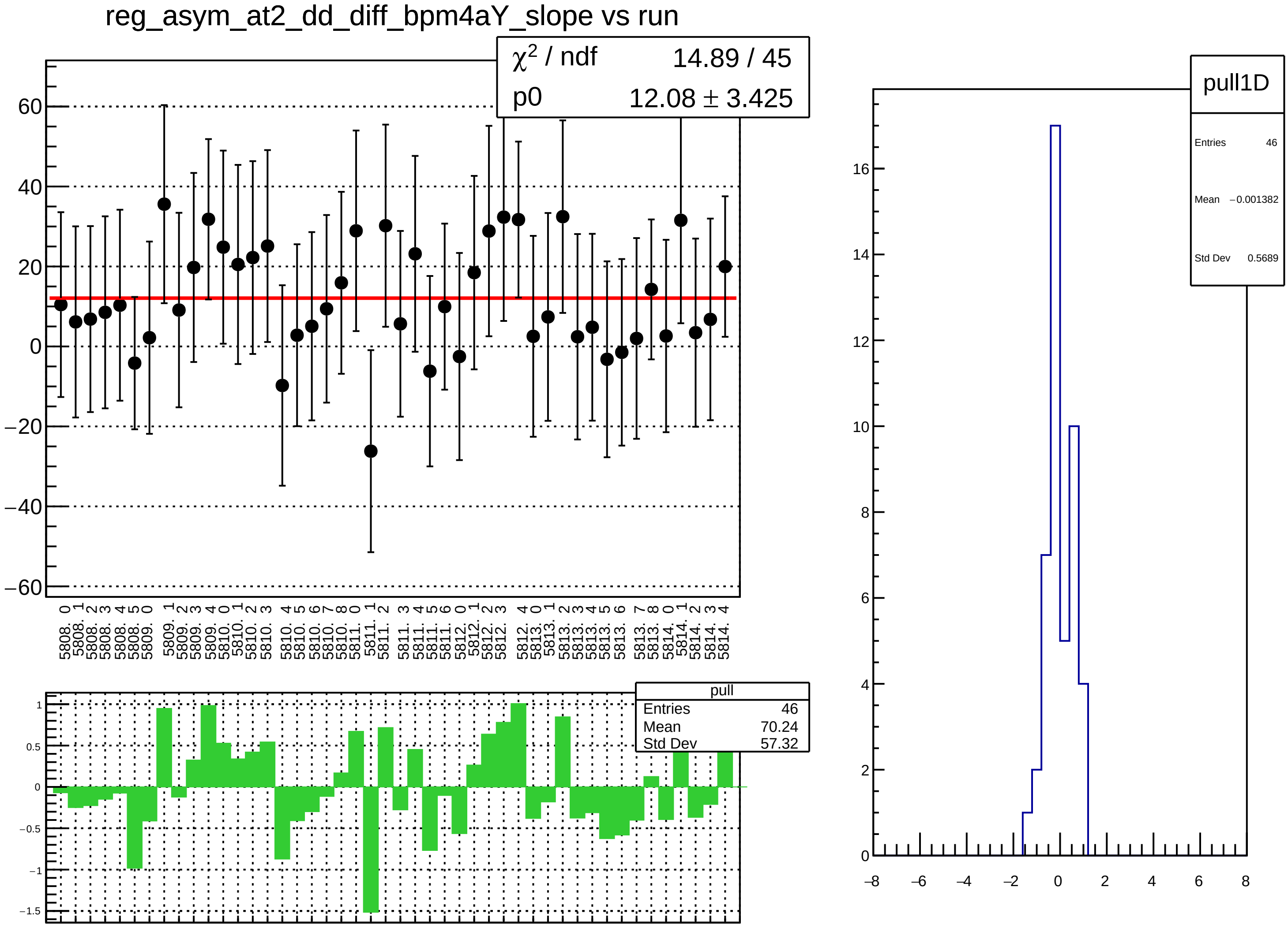
reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.988 / 45
p0 35.91 ± 11.31
pull
Entries 46
Mean 114.8
Std Dev 89.53
pull1D
Entries 46
Mean −0.006546
Std Dev 0.2548



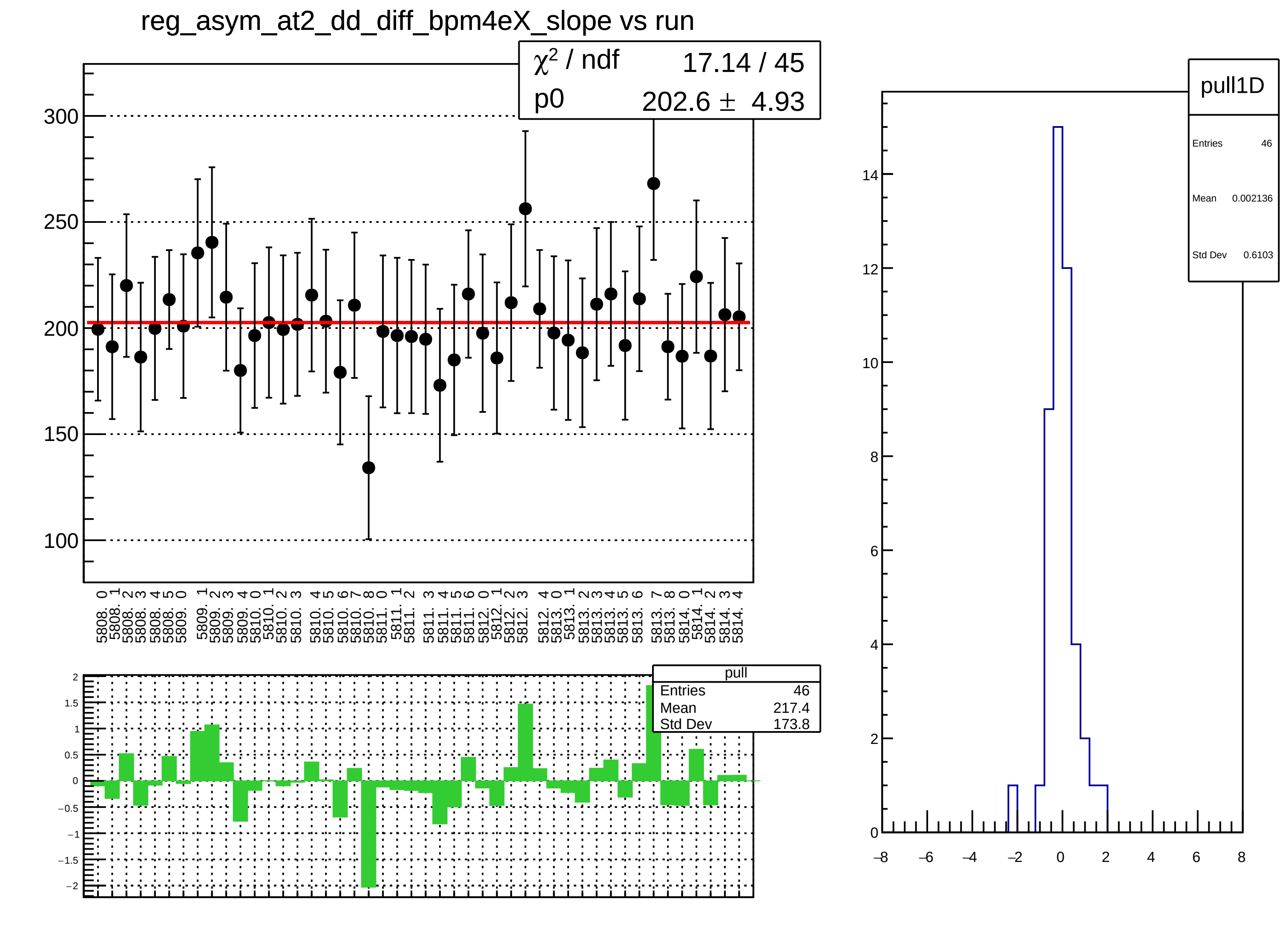
reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.28 / 45
p0 −239.6 ± 0.6749
pull
Entries 46
Mean −15.47
Std Dev 36.5
pull1D
Entries 46
Mean −0.01559
Std Dev 0.5164



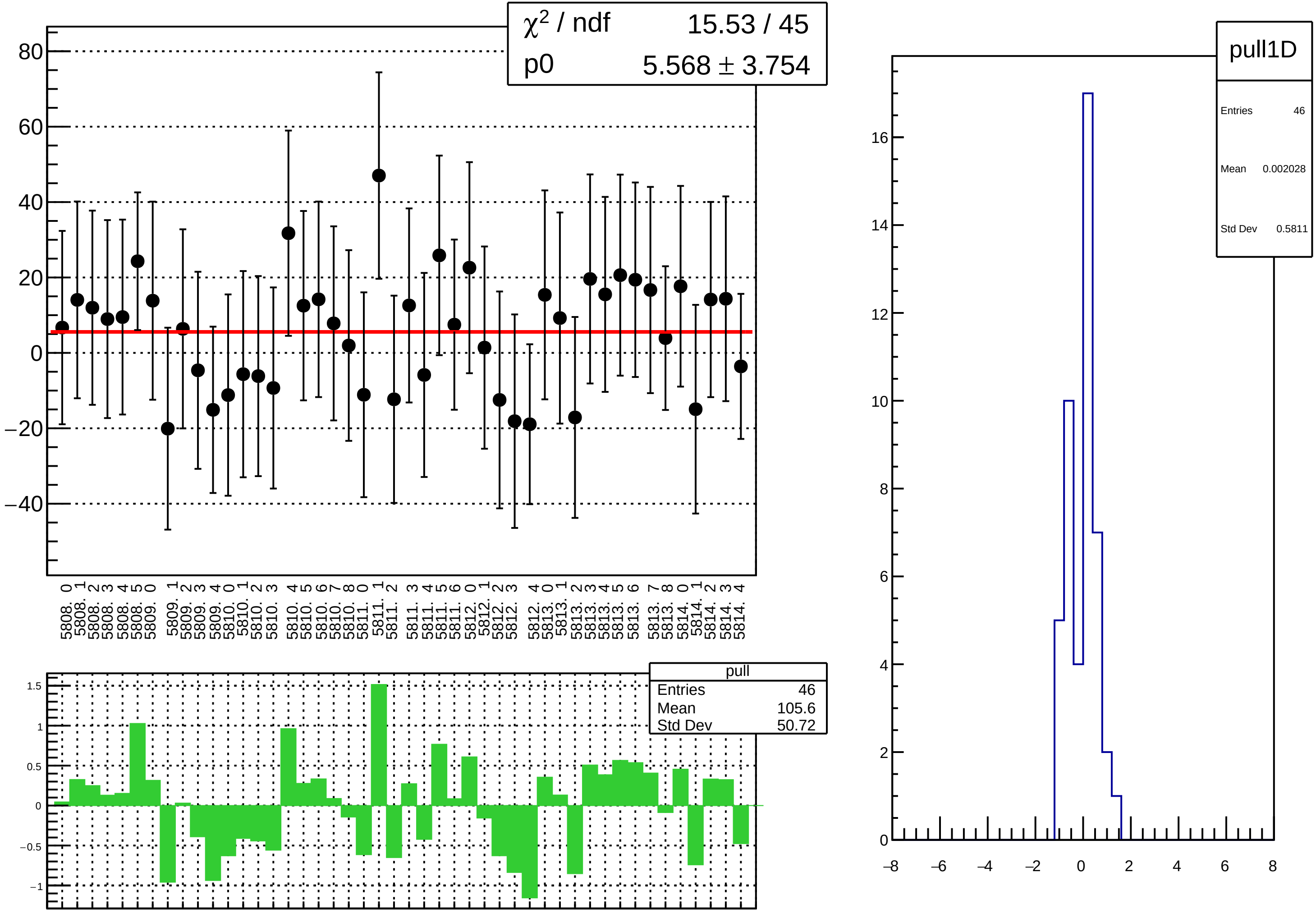
reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 17.38 / 45
p0 −93.04 ± 3.879
pull
Entries 46
Mean 264.6
Std Dev 222.7
pull1D
Entries 46
Mean −0.001813
Std Dev 0.6146

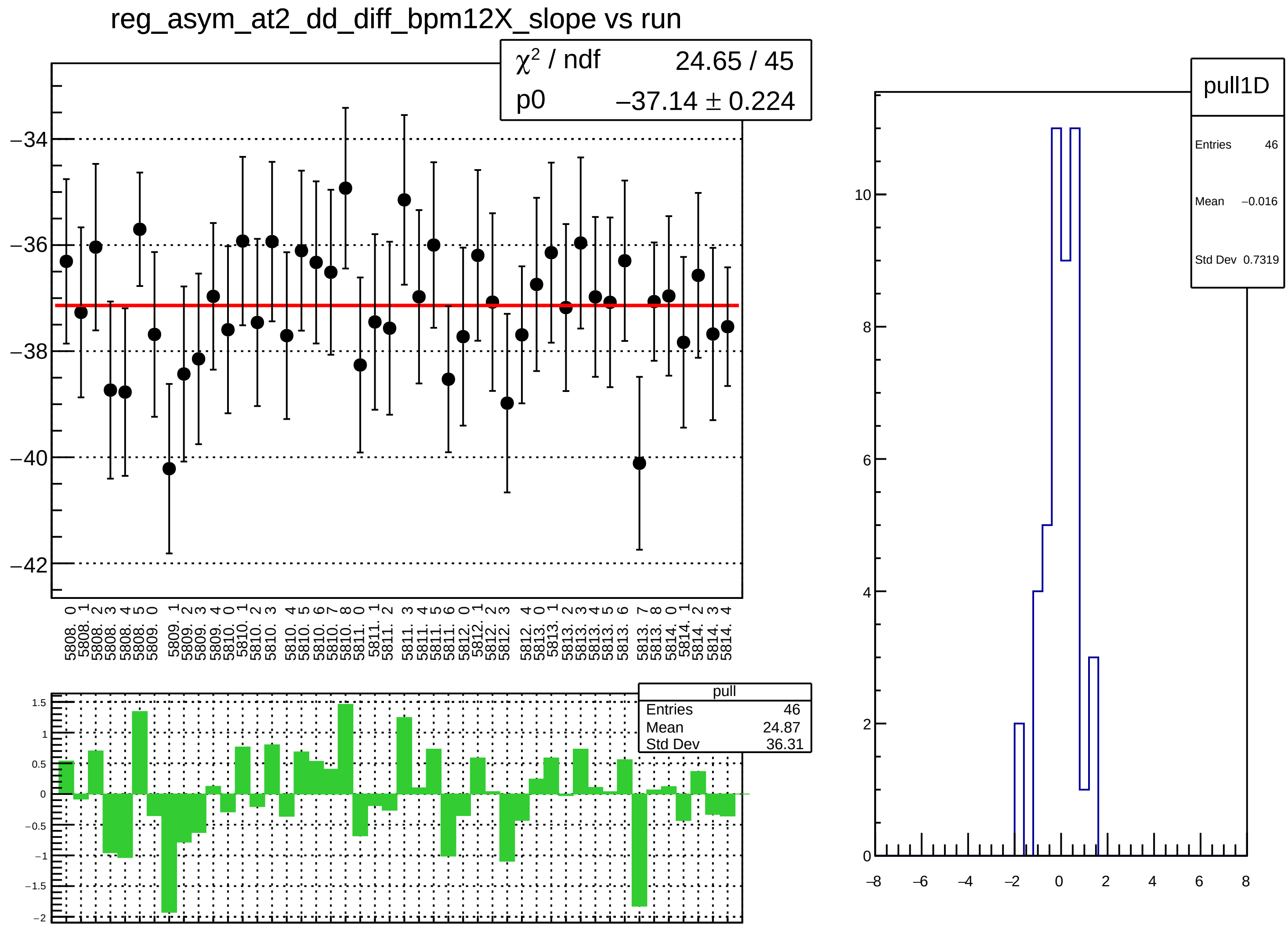


reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 14.89 / 45
p0 12.08 ± 3.425
pull
Entries 46
Mean 70.24
Std Dev 57.32
pull1D
Entries 46
Mean −0.001382
Std Dev 0.5689


reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.14 / 45
p0 202.6 ± 4.93
pull
Entries 46
Mean 217.4
Std Dev 173.8
pull1D
Entries 46
Mean 0.002136
Std Dev 0.6103

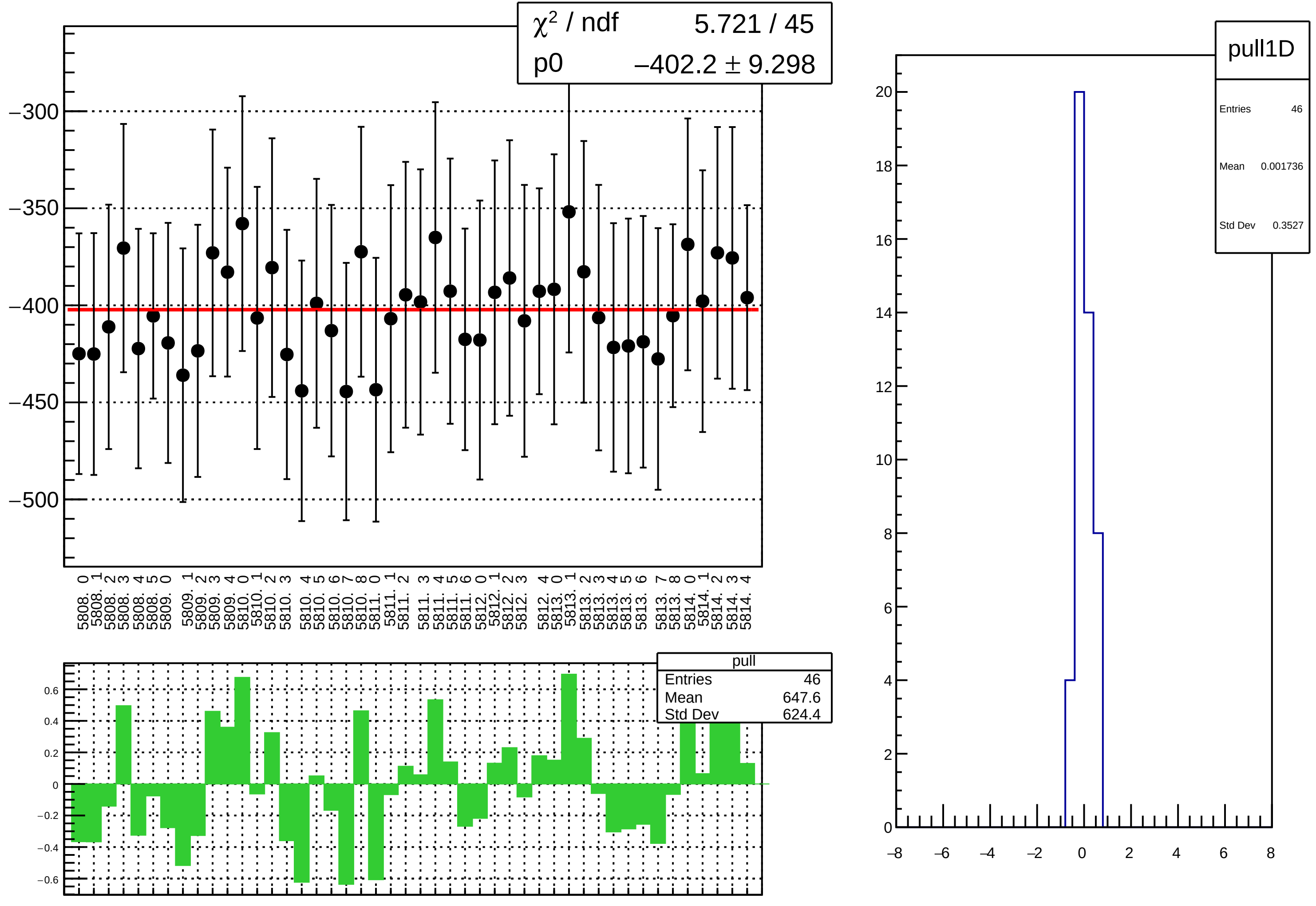
reg_asym_at2_dd_diff_bpm4eY_slope vs run

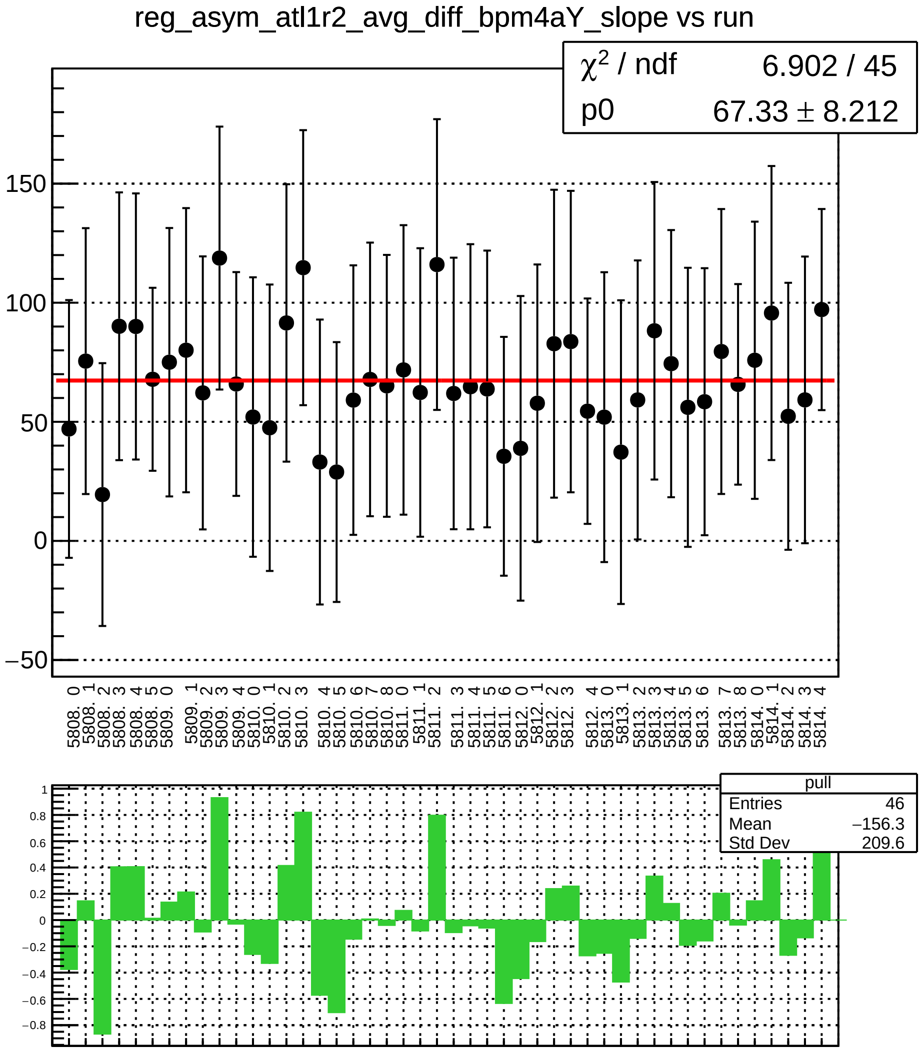




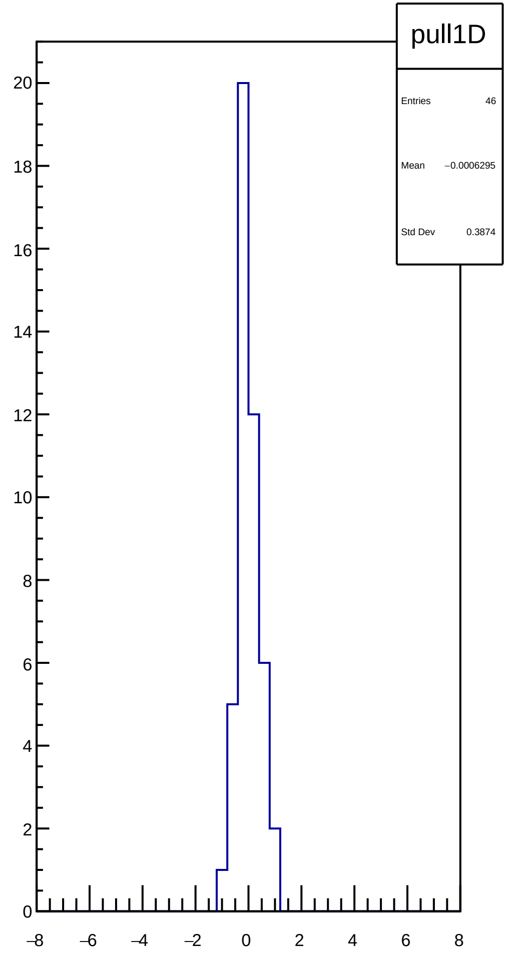
reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.65 / 45
p0 −37.14 ± 0.224
pull
Entries 46
Mean 24.87
Std Dev 36.31
pull1D
Entries 46
Mean −0.016
Std Dev 0.7319

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run

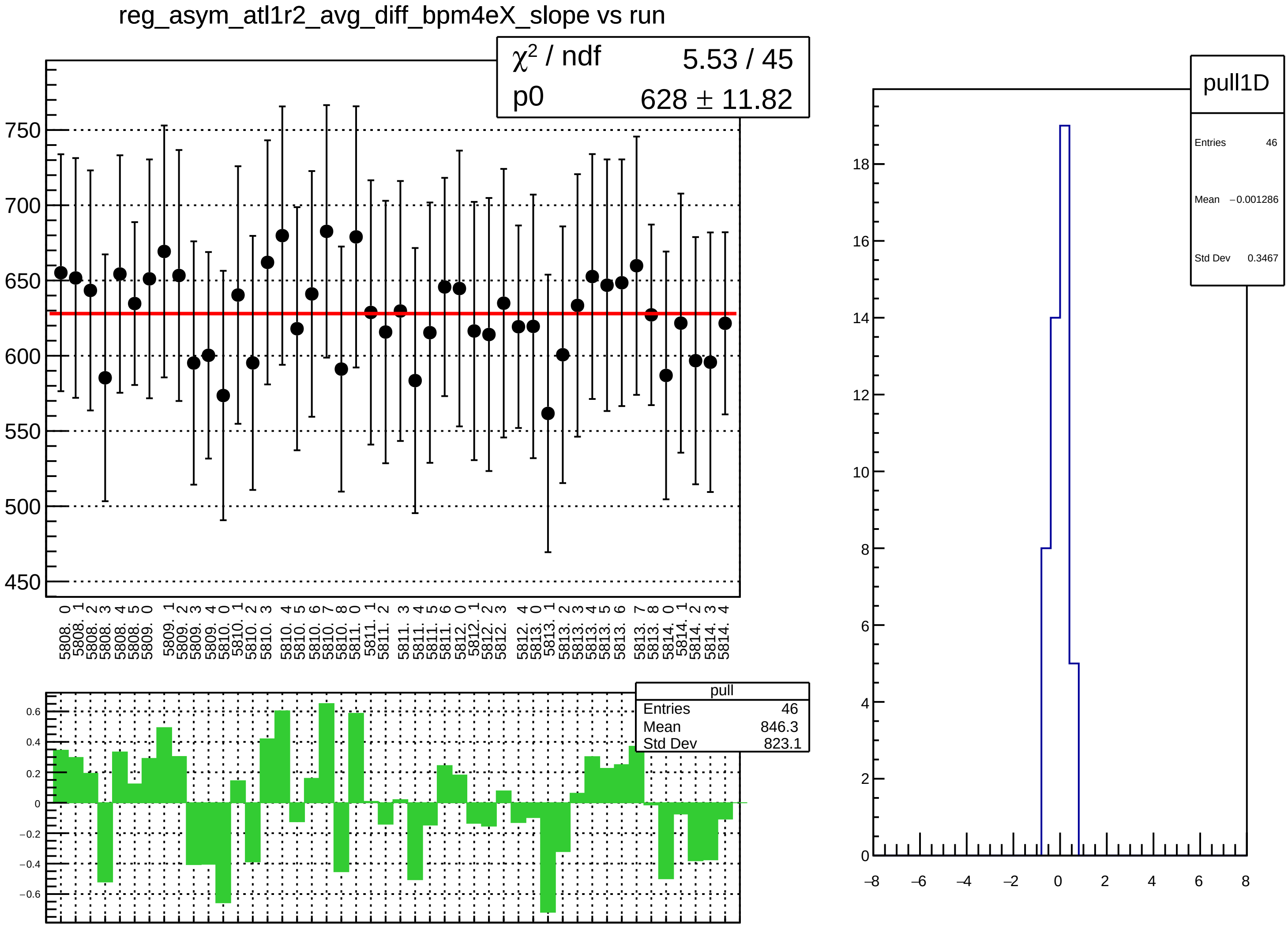




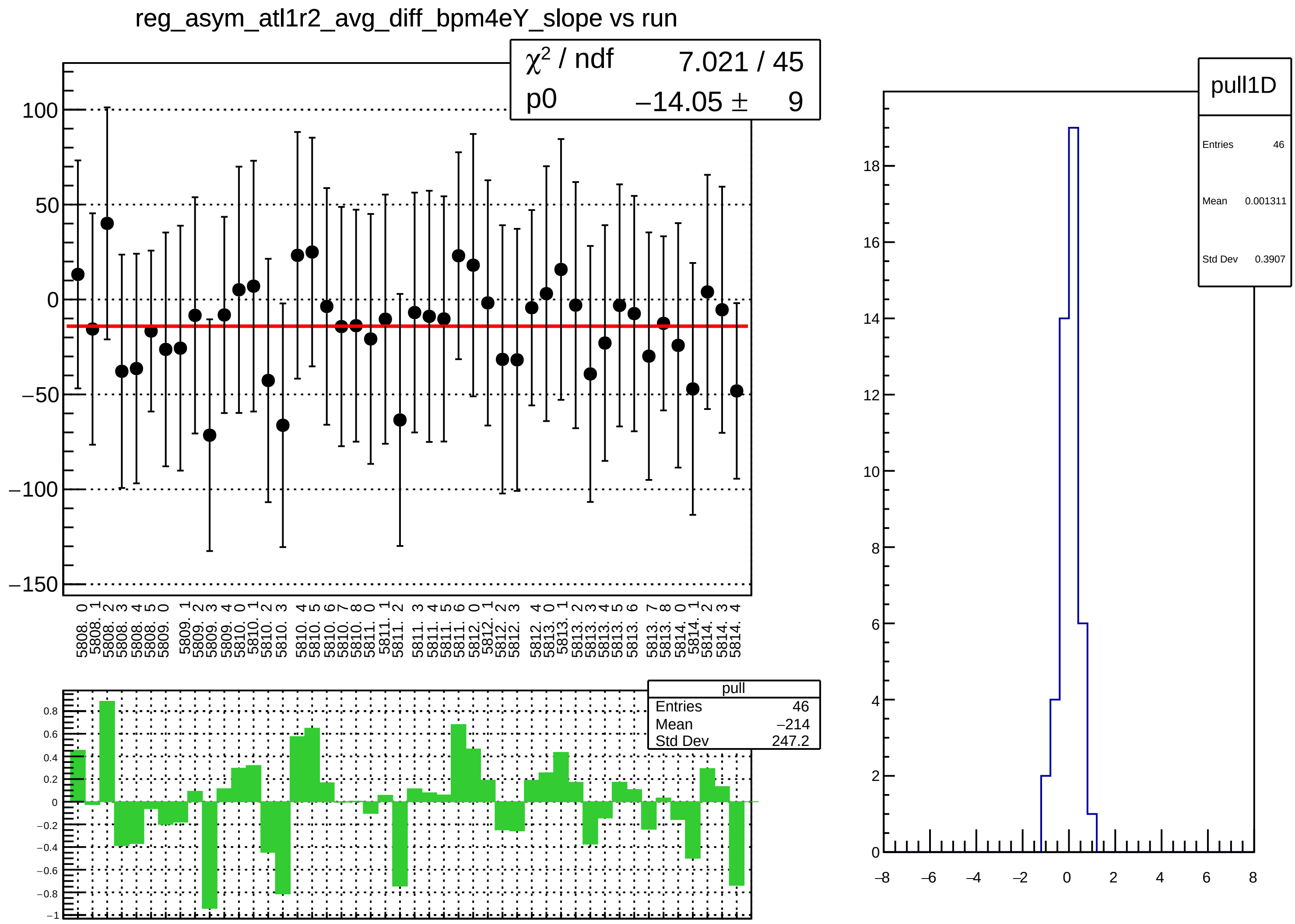
reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.902 / 45
p0 67.33 ± 8.212
pull
Entries 46
Mean −156.3
Std Dev 209.6



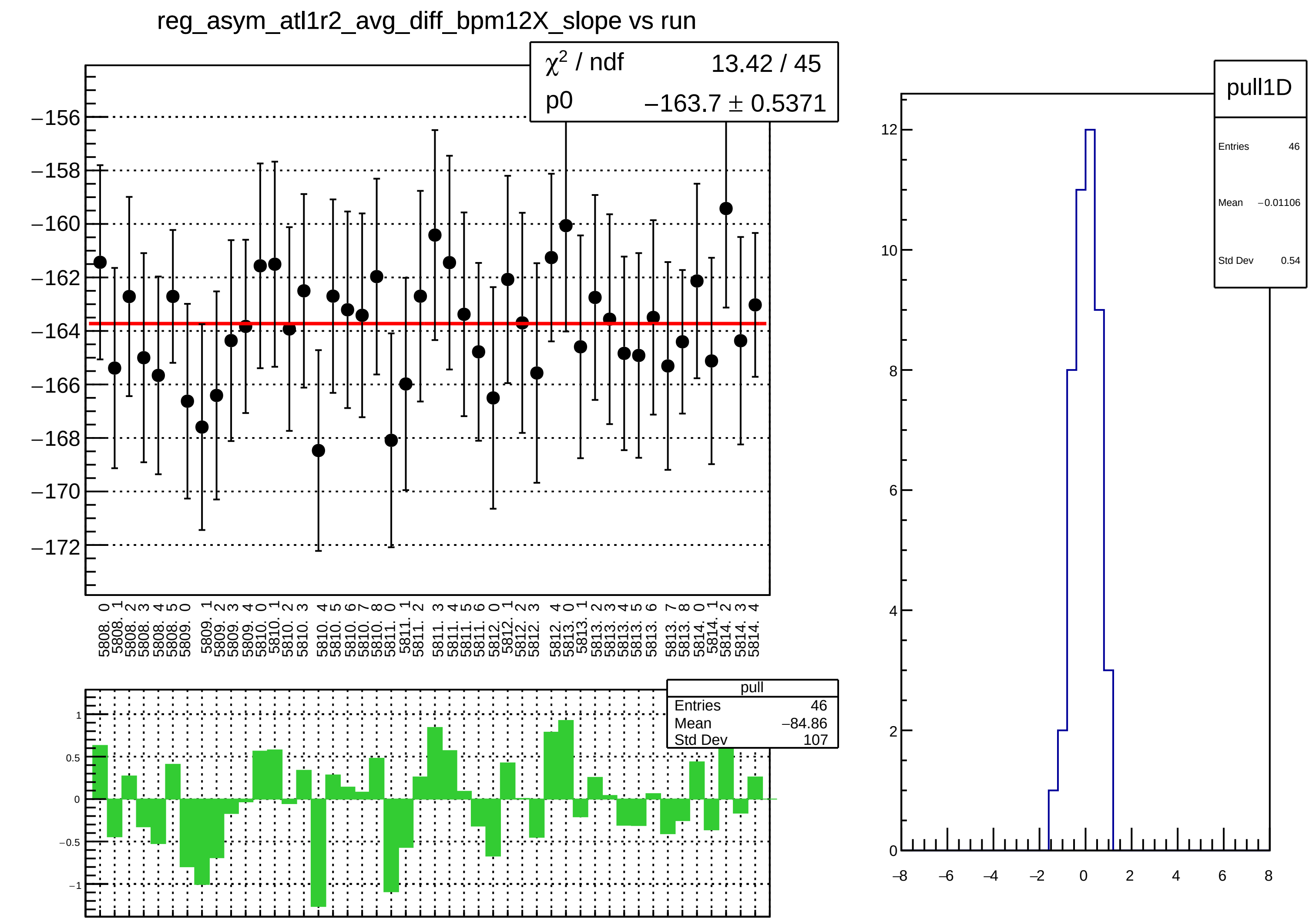
pull1D
Entries 46
Mean −0.0006295
Std Dev 0.3874

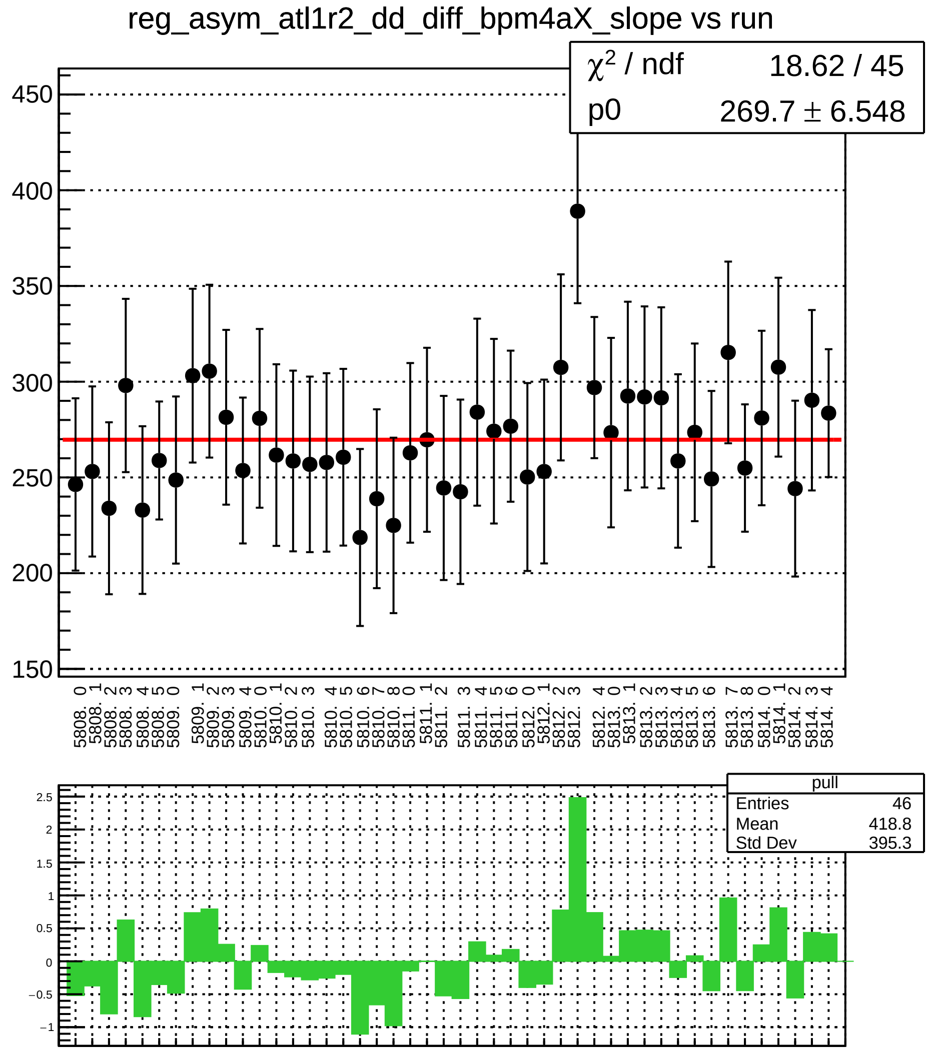


reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 5.53 / 45
p0 628 ± 11.82
pull
Entries 46
Mean 846.3
Std Dev 823.1
pull1D
Entries 46
Mean −0.001286
Std Dev 0.3467

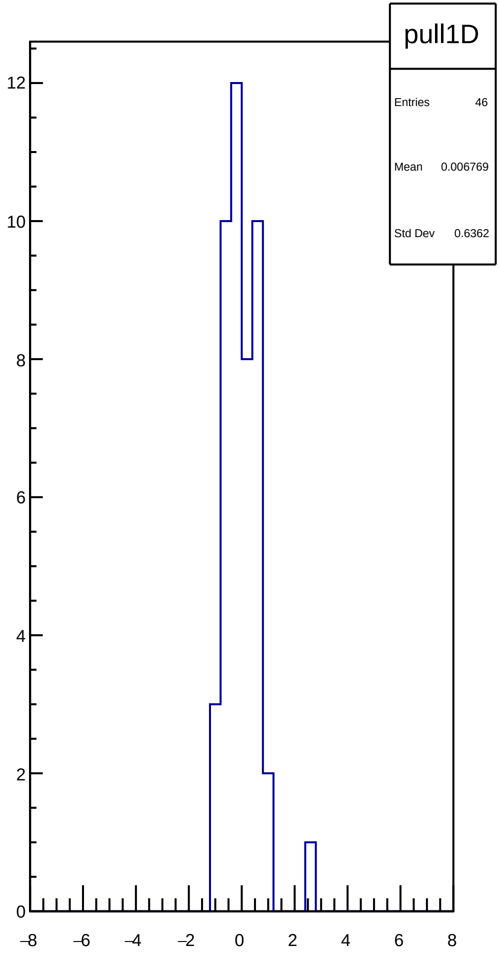


reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.021 / 45
p0 −14.05 ± 9
pull
Entries 46
Mean −214
Std Dev 247.2
pull1D
Entries 46
Mean 0.001311
Std Dev 0.3907

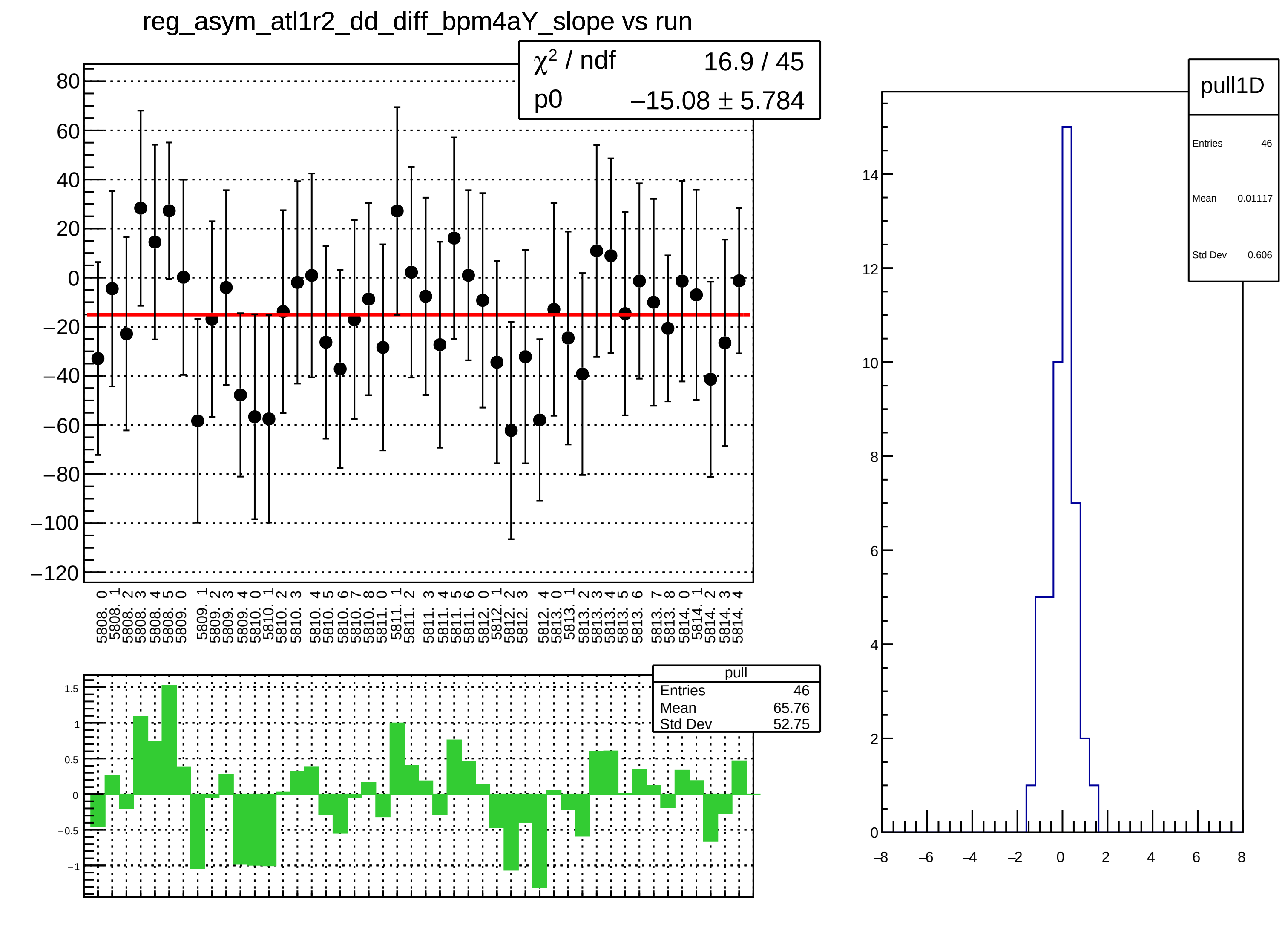

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.42 / 45
p0 −163.7 ± 0.5371
pull
Entries 46
Mean −84.86
Std Dev 107
pull1D
Entries 46
Mean −0.01106
Std Dev 0.54



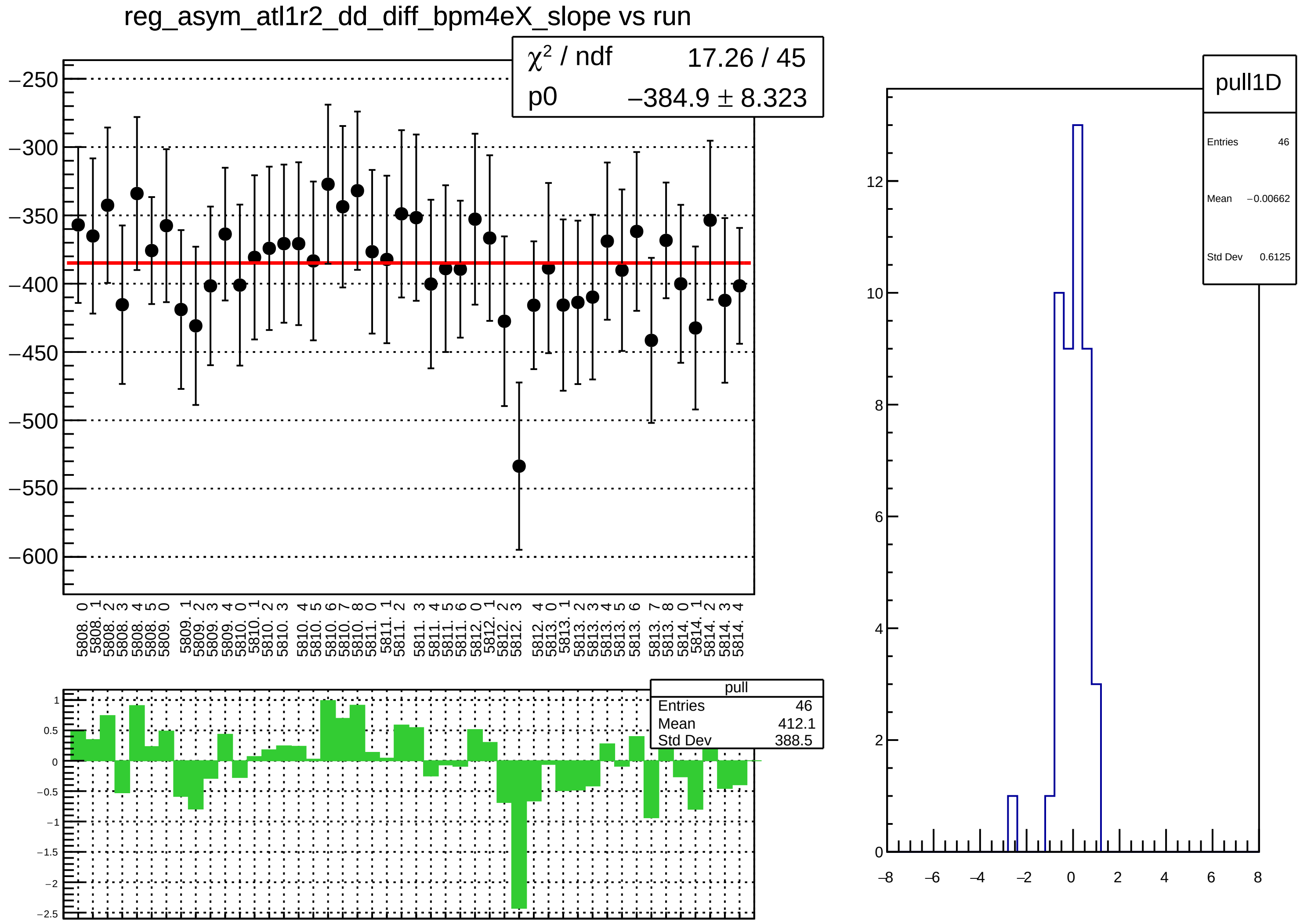
reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 18.62 / 45
p0 269.7 ± 6.548
pull
Entries 46
Mean 418.8
Std Dev 395.3



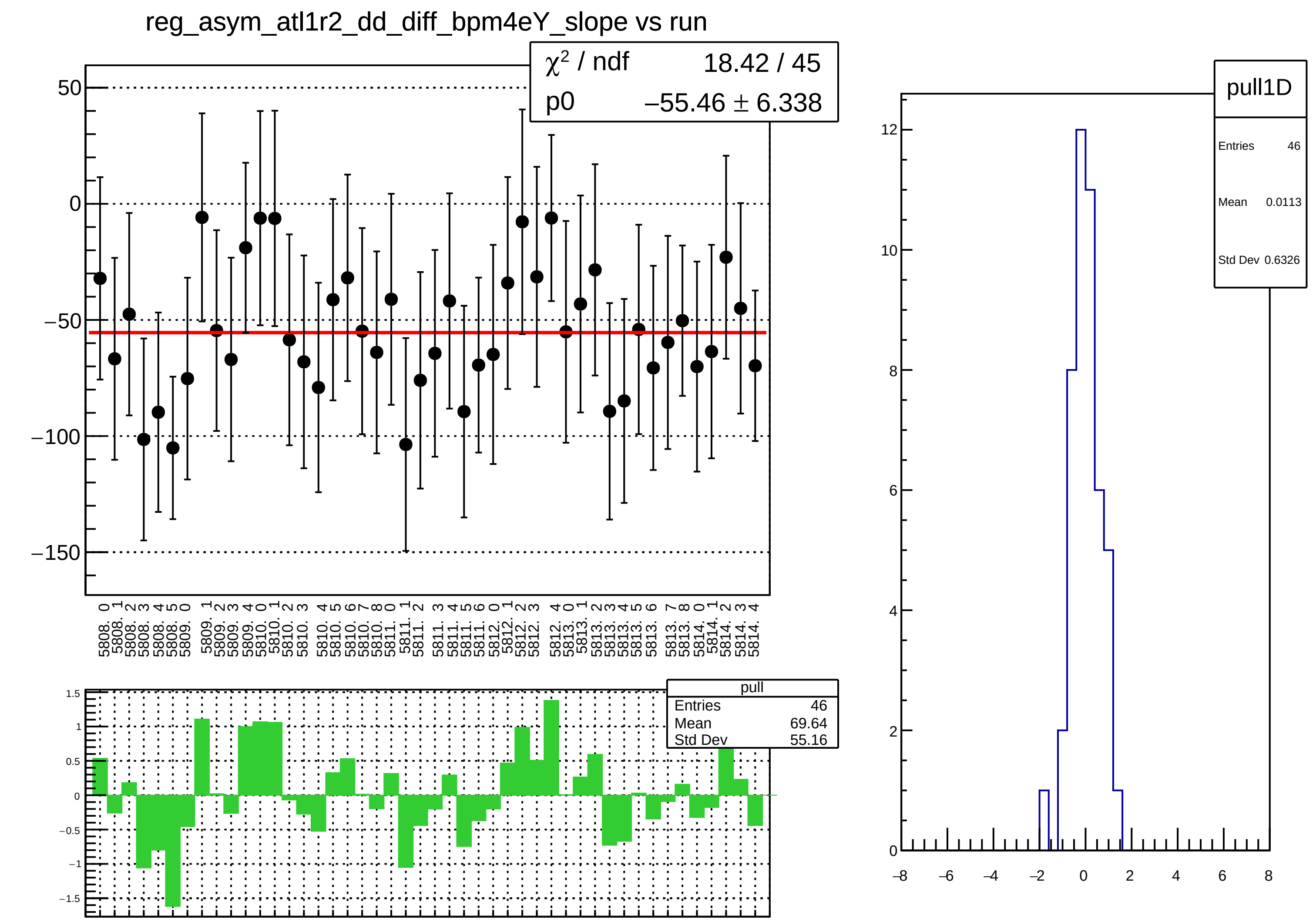
pull1D
Entries 46
Mean 0.006769
Std Dev 0.6362



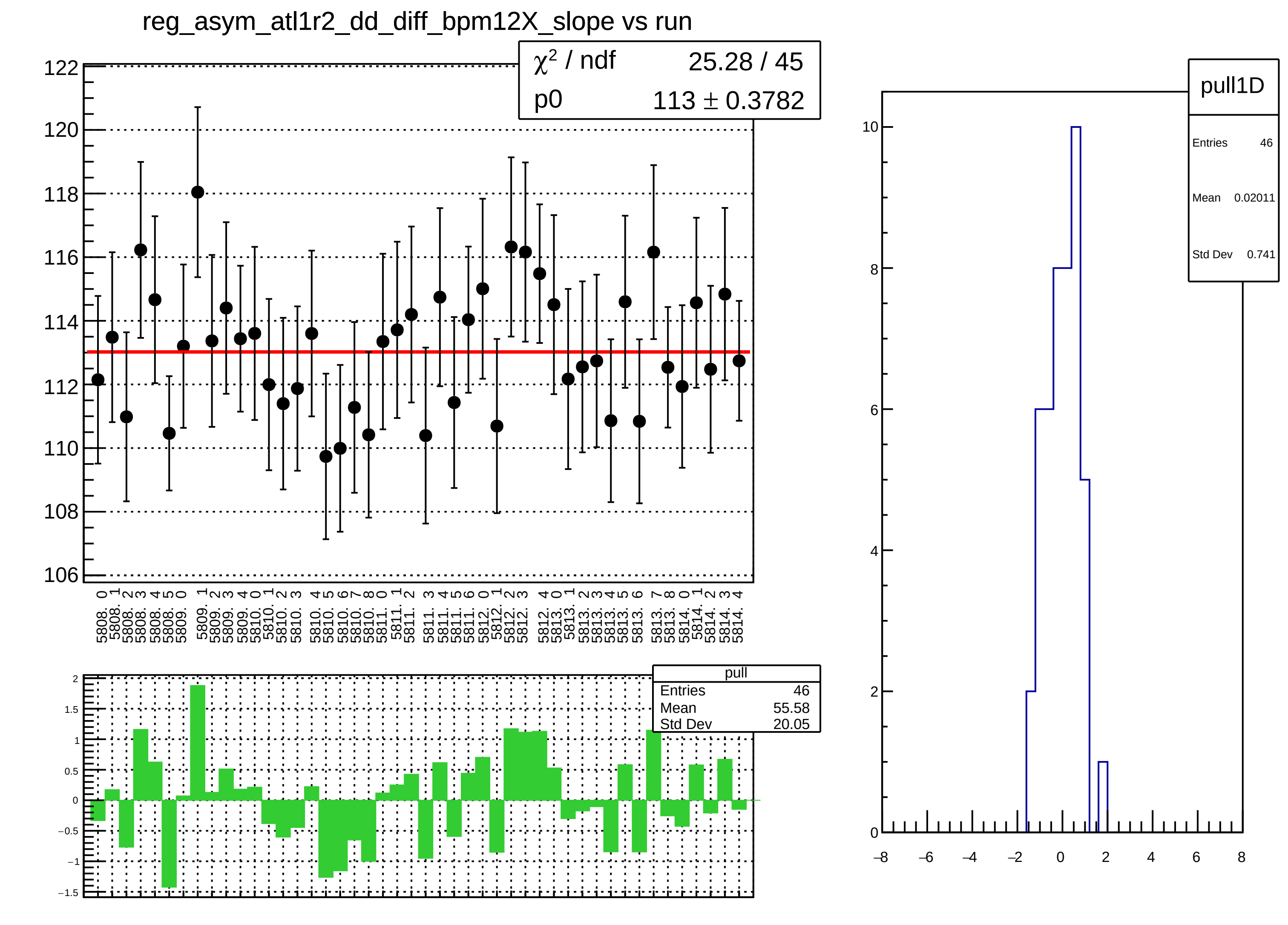
reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 16.9 / 45
p0 −15.08 ± 5.784
pull
Entries 46
Mean 65.76
Std Dev 52.75
pull1D
Entries 46
Mean −0.01117
Std Dev 0.606



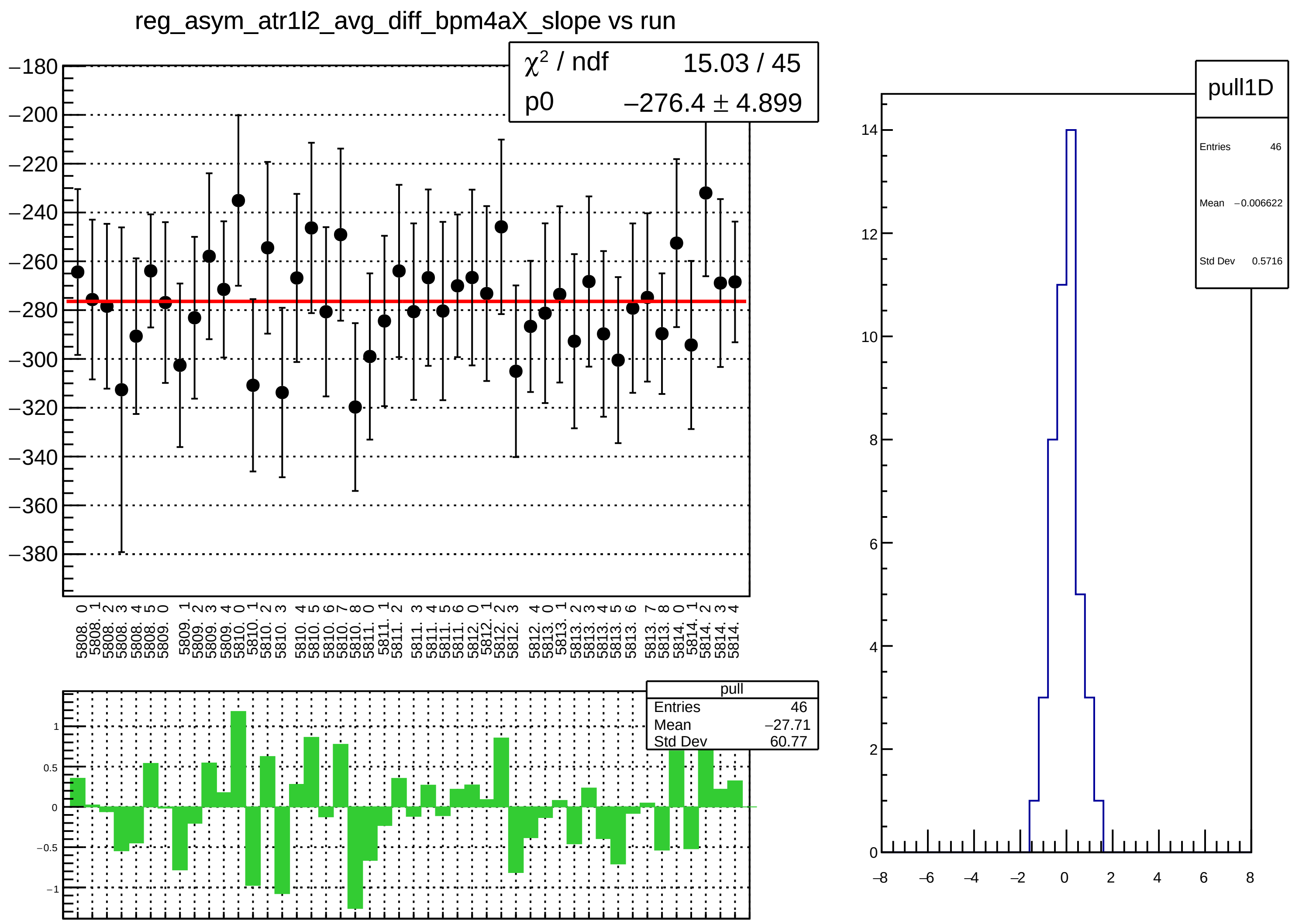
reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 17.26 / 45
p0 −384.9 ± 8.323
pull
Entries 46
Mean 412.1
Std Dev 388.5
pull1D
Entries 46
Mean −0.00662
Std Dev 0.6125



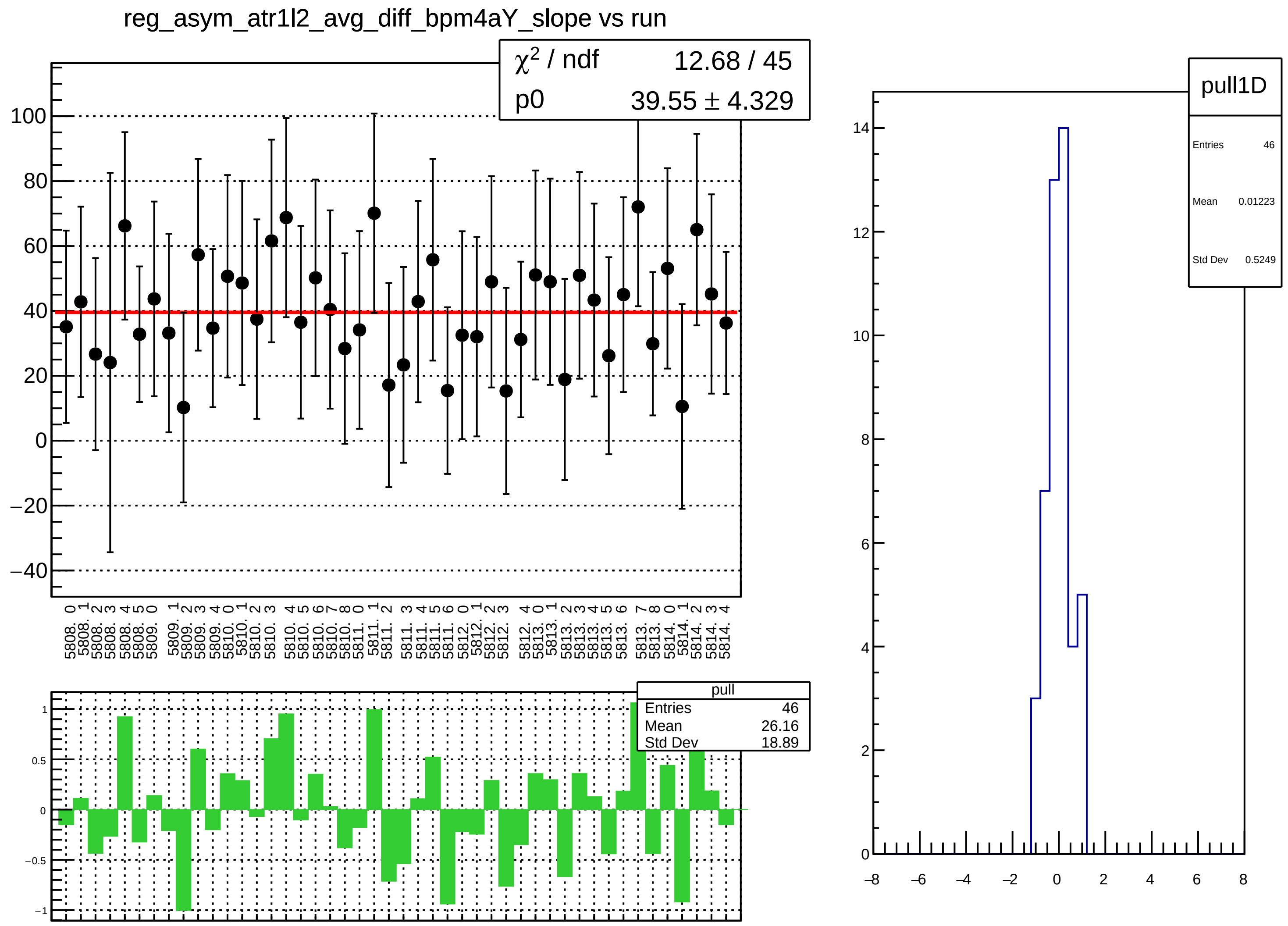
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 18.42 / 45
p0 −55.46 ± 6.338
pull
Entries 46
Mean 69.64
Std Dev 55.16
pull1D
Entries 46
Mean 0.0113
Std Dev 0.6326



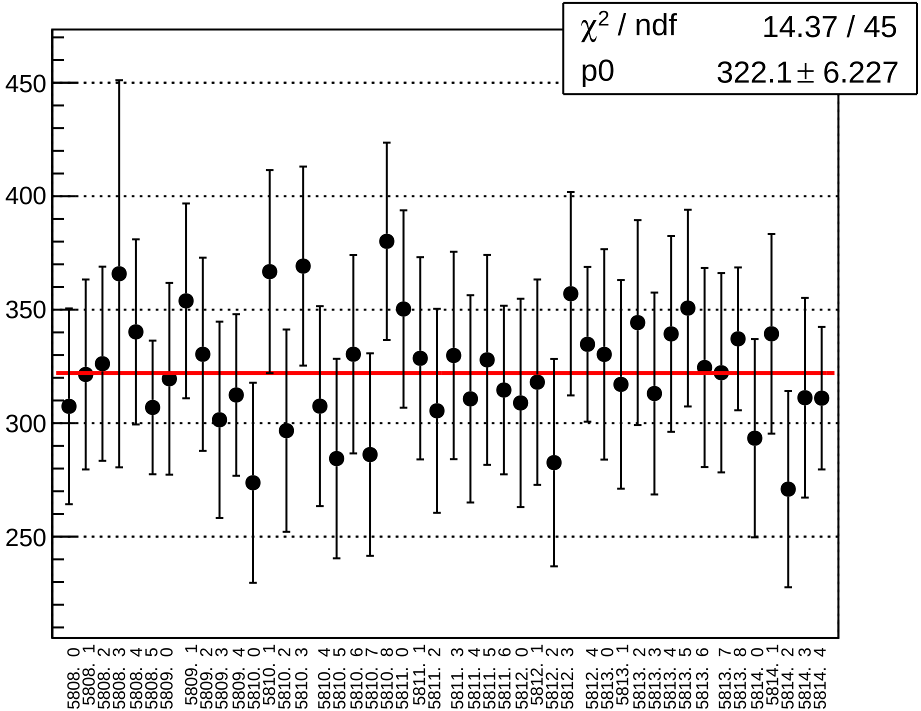
reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ2 / ndf 25.28 / 45
p0 113 ± 0.3782
pull
Entries 46
Mean 55.58
Std Dev 20.05
pull1D
Entries 46
Mean 0.02011
Std Dev 0.741

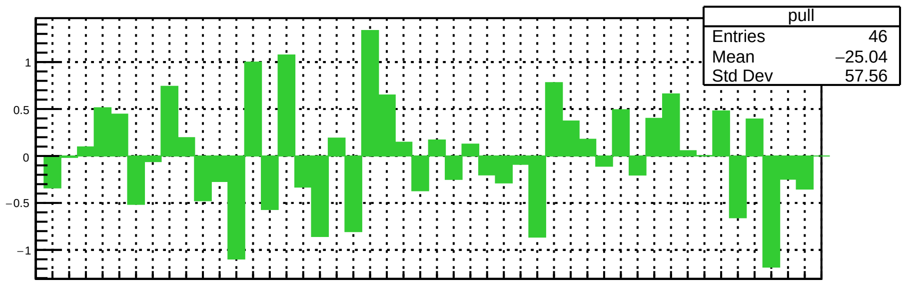


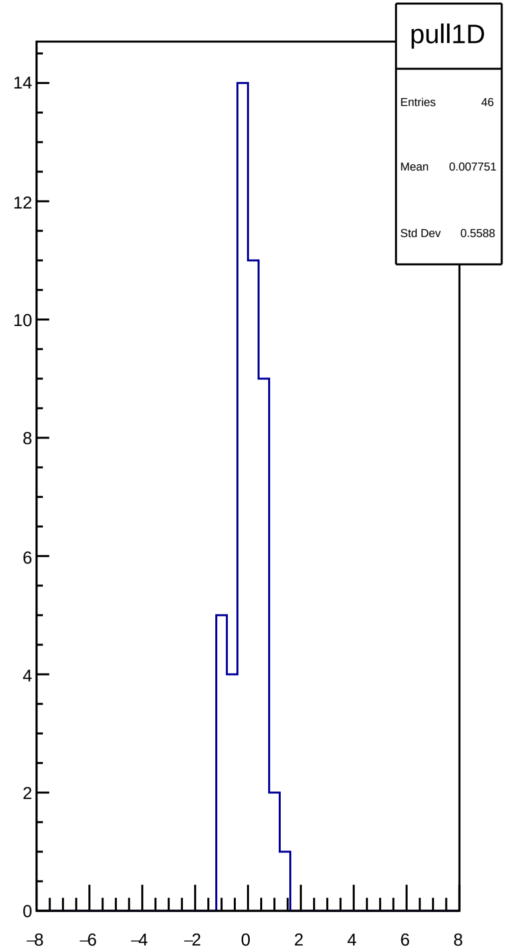
reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ2 / ndf 15.03 / 45
p0 −276.4 ± 4.899
pull
Entries 46
Mean −27.71
Std Dev 60.77
pull1D
Entries 46
Mean −0.006622
Std Dev 0.5716

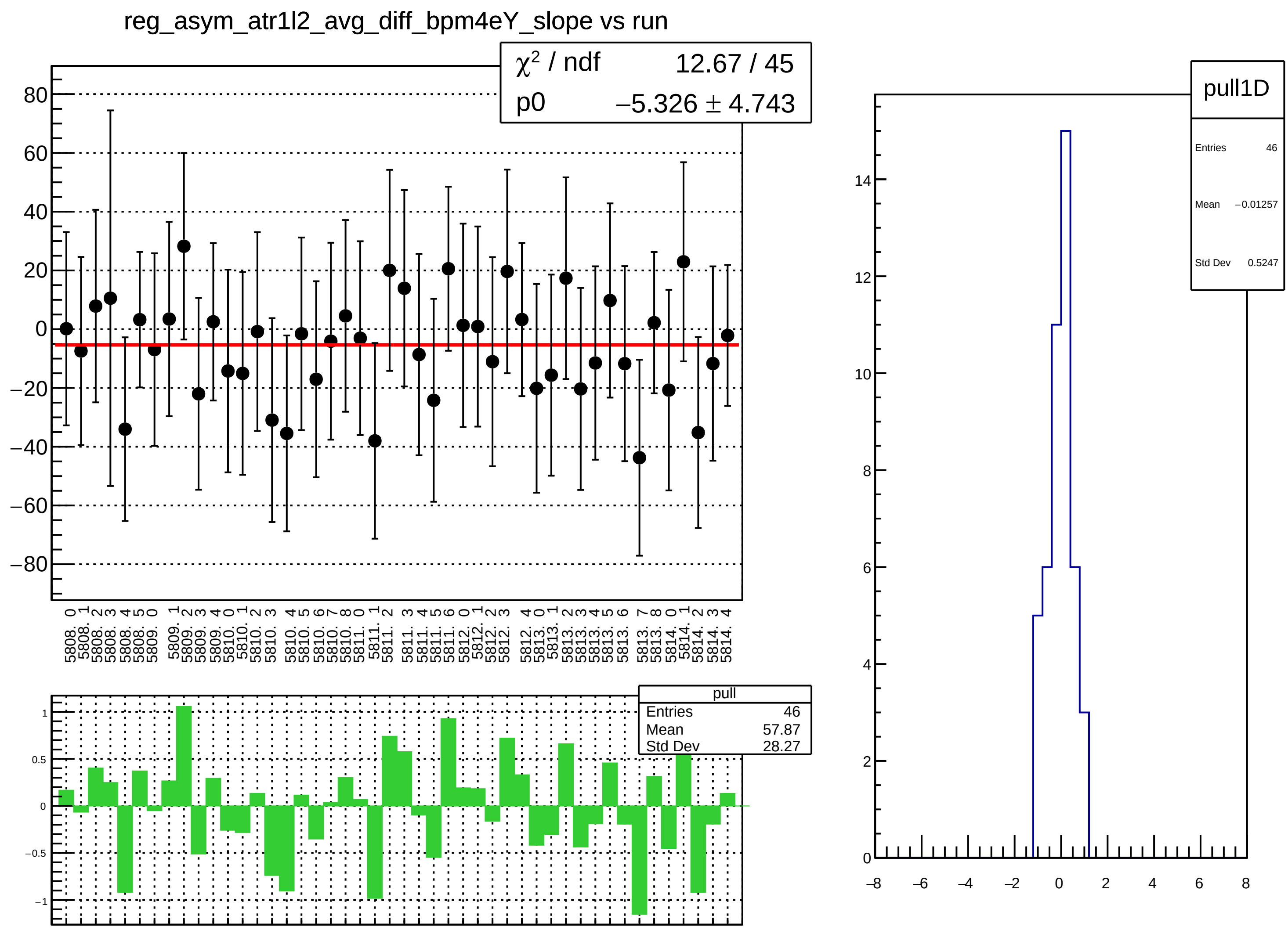

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.68 / 45
p0 39.55 ± 4.329
pull
Entries 46
Mean 26.16
Std Dev 18.89
pull1D
Entries 46
Mean 0.01223
Std Dev 0.5249

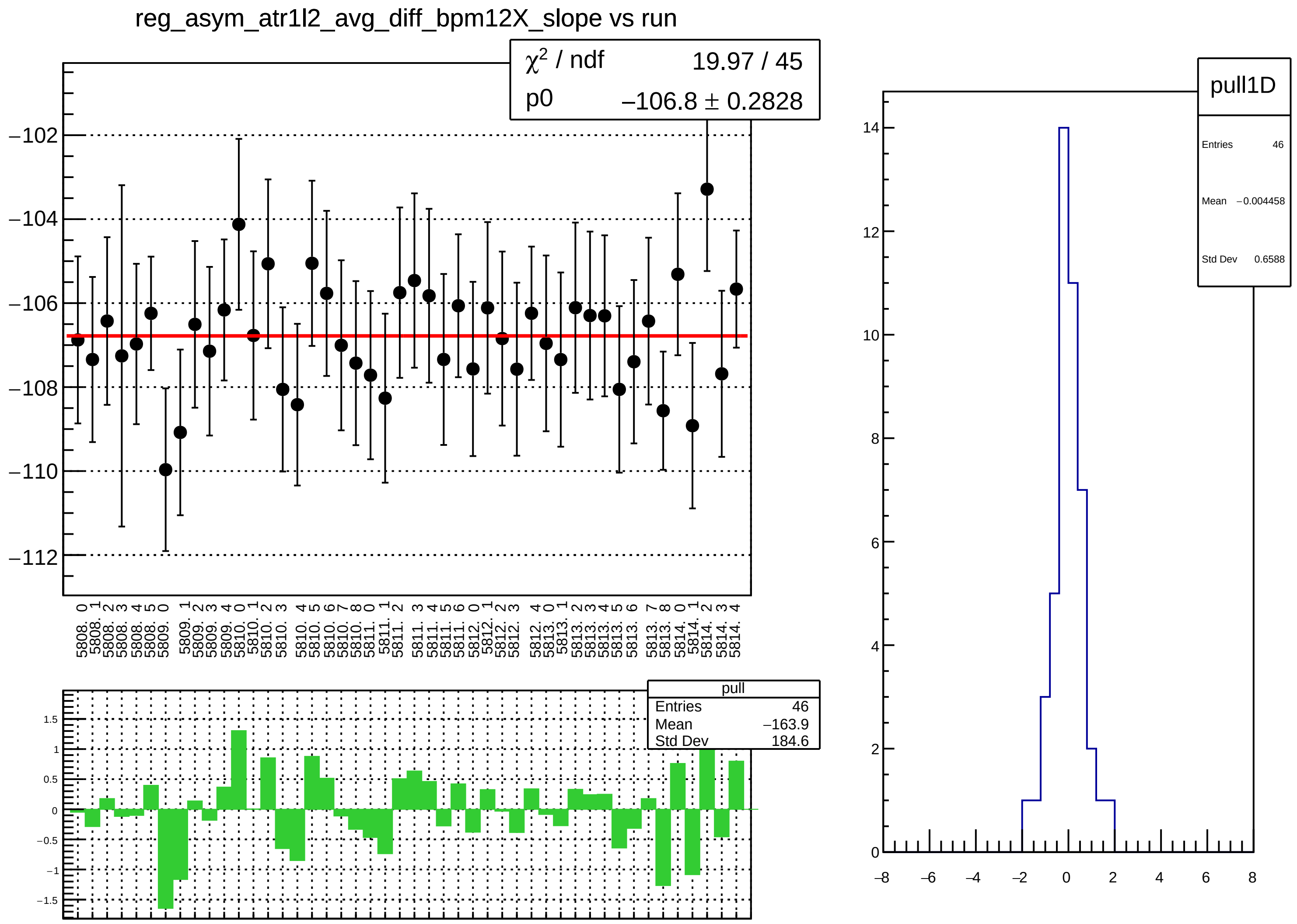
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run





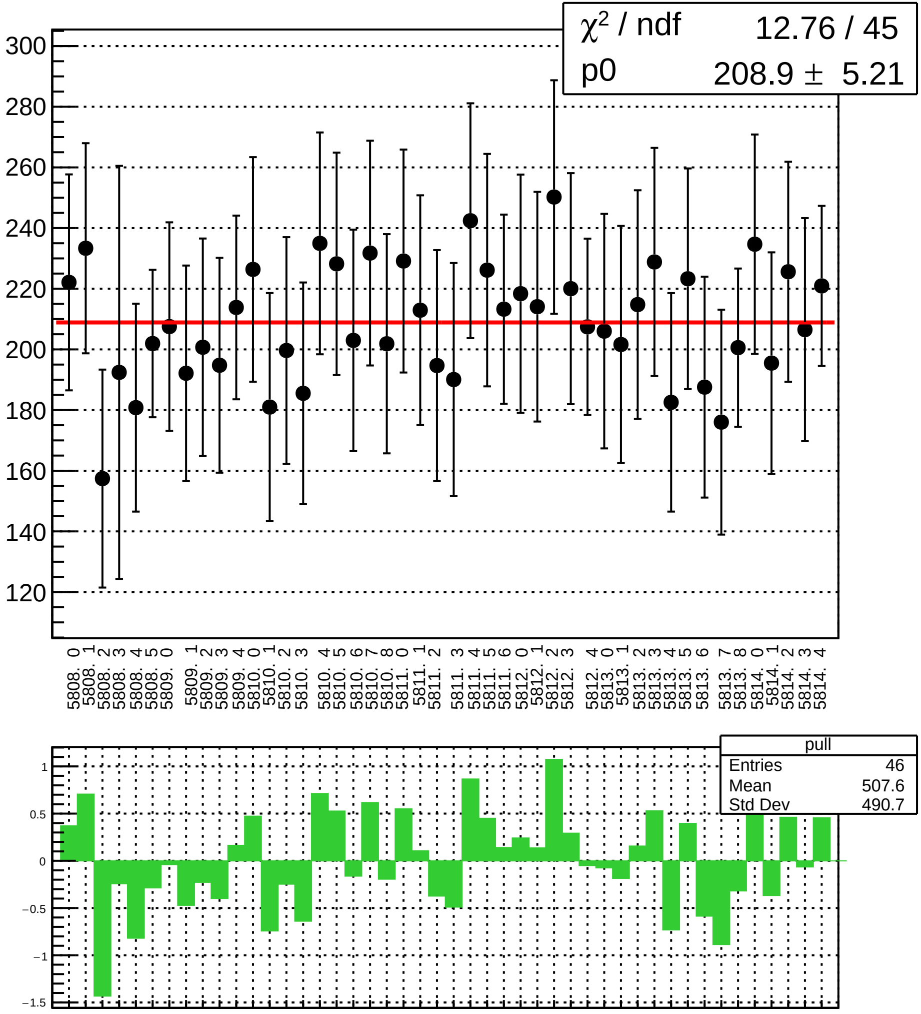


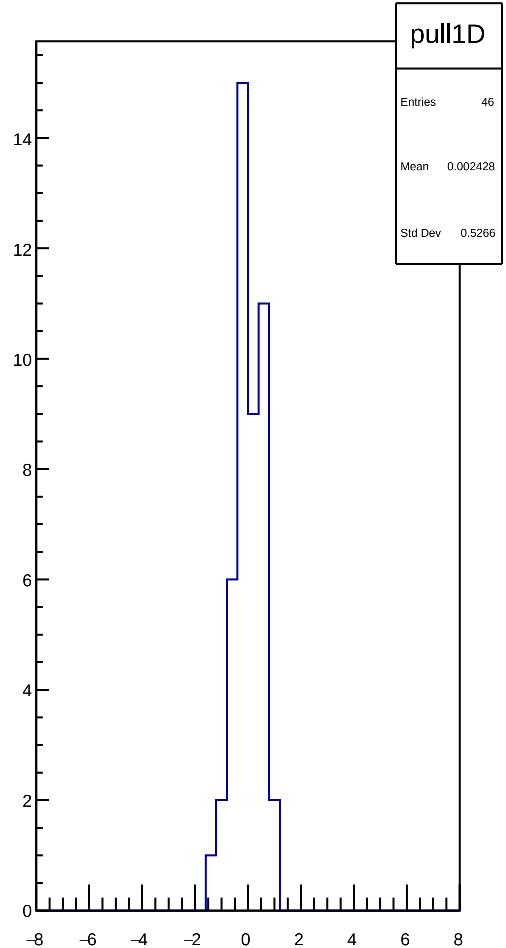

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 12.67 / 45
p0 −5.326 ± 4.743
pull
Entries 46
Mean 57.87
Std Dev 28.27
pull1D
Entries 46
Mean −0.01257
Std Dev 0.5247

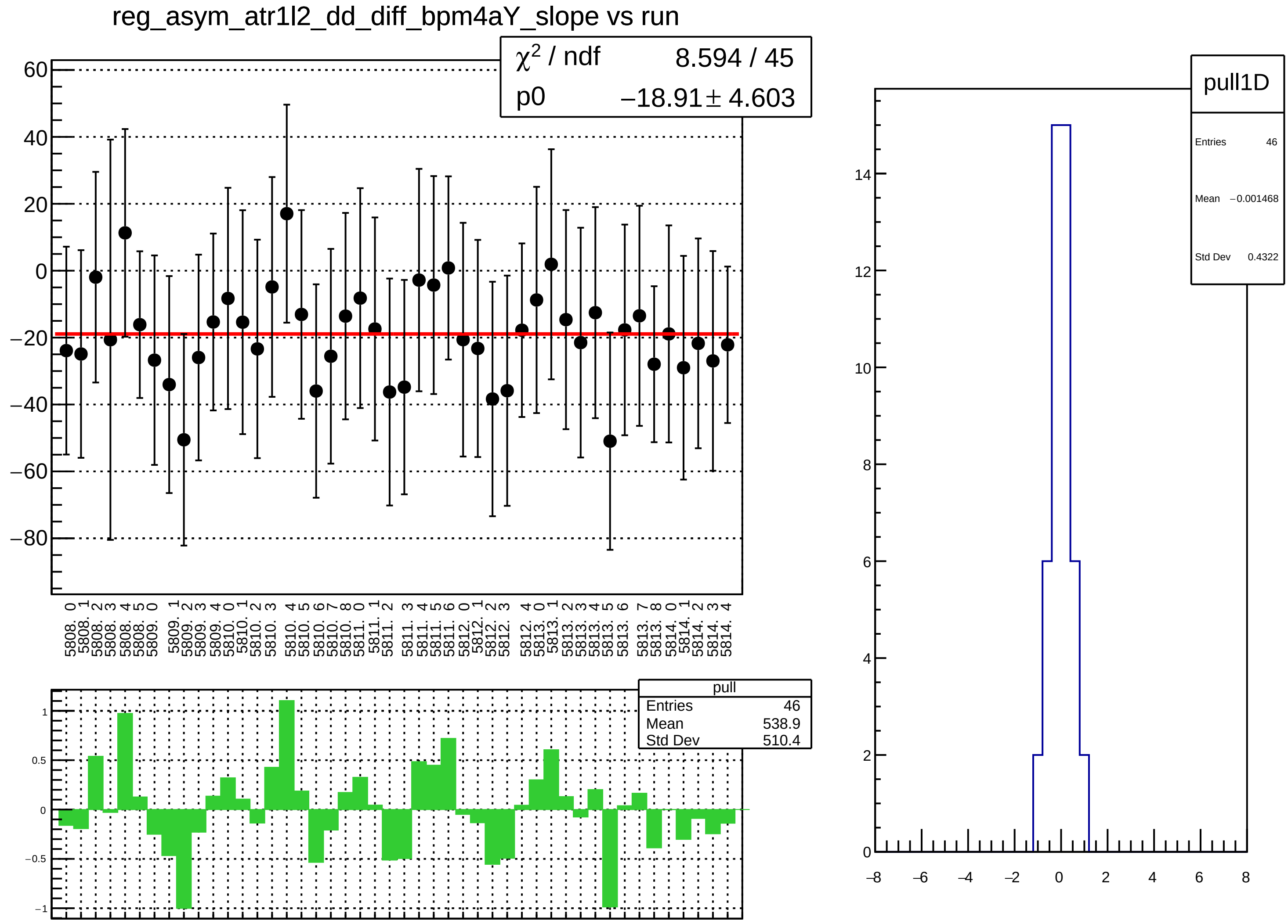


reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ2 / ndf 19.97 / 45
p0 −106.8 ± 0.2828
pull
Entries 46
Mean −163.9
Std Dev 184.6
pull1D
Entries 46
Mean −0.004458
Std Dev 0.6588

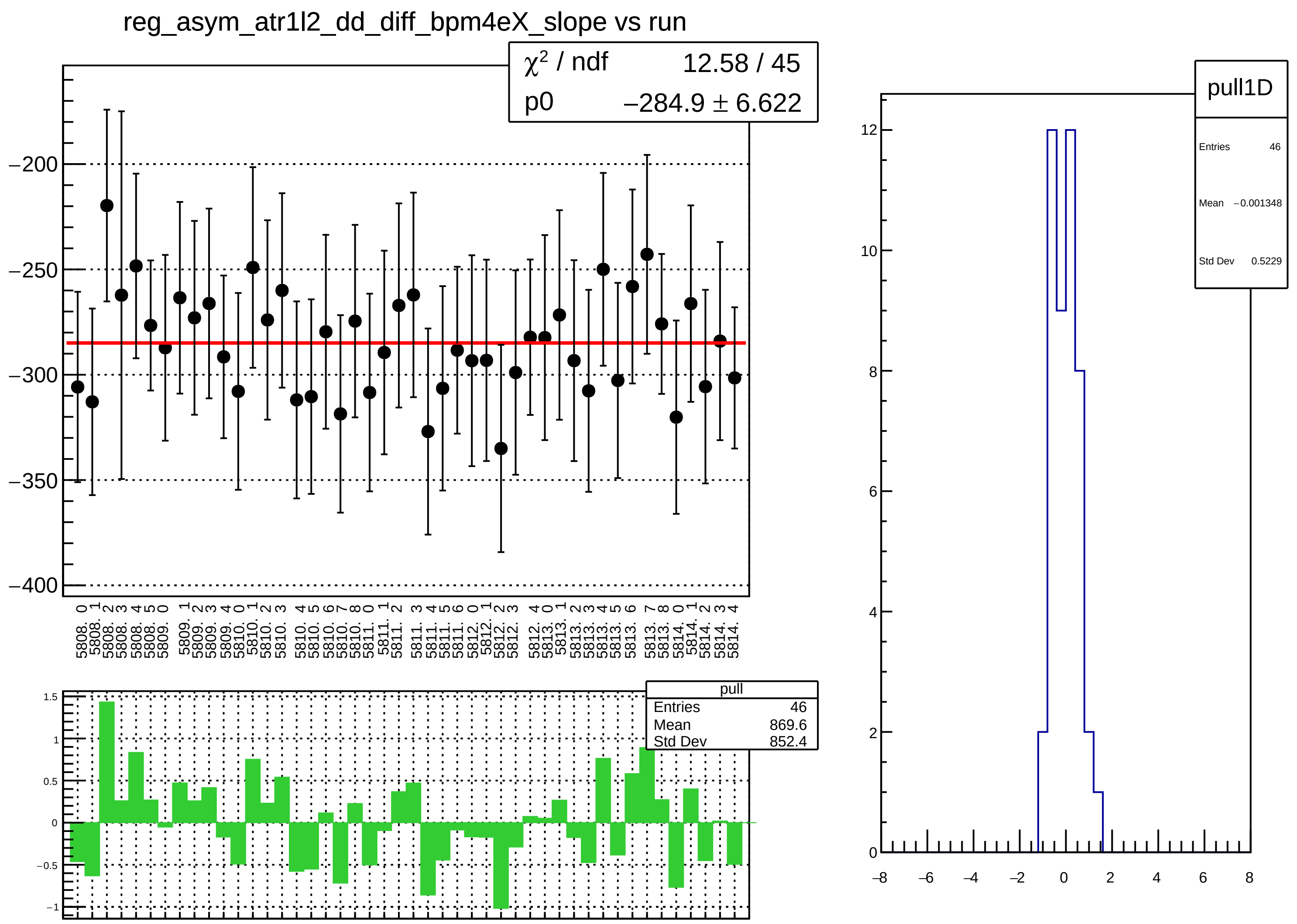
reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run



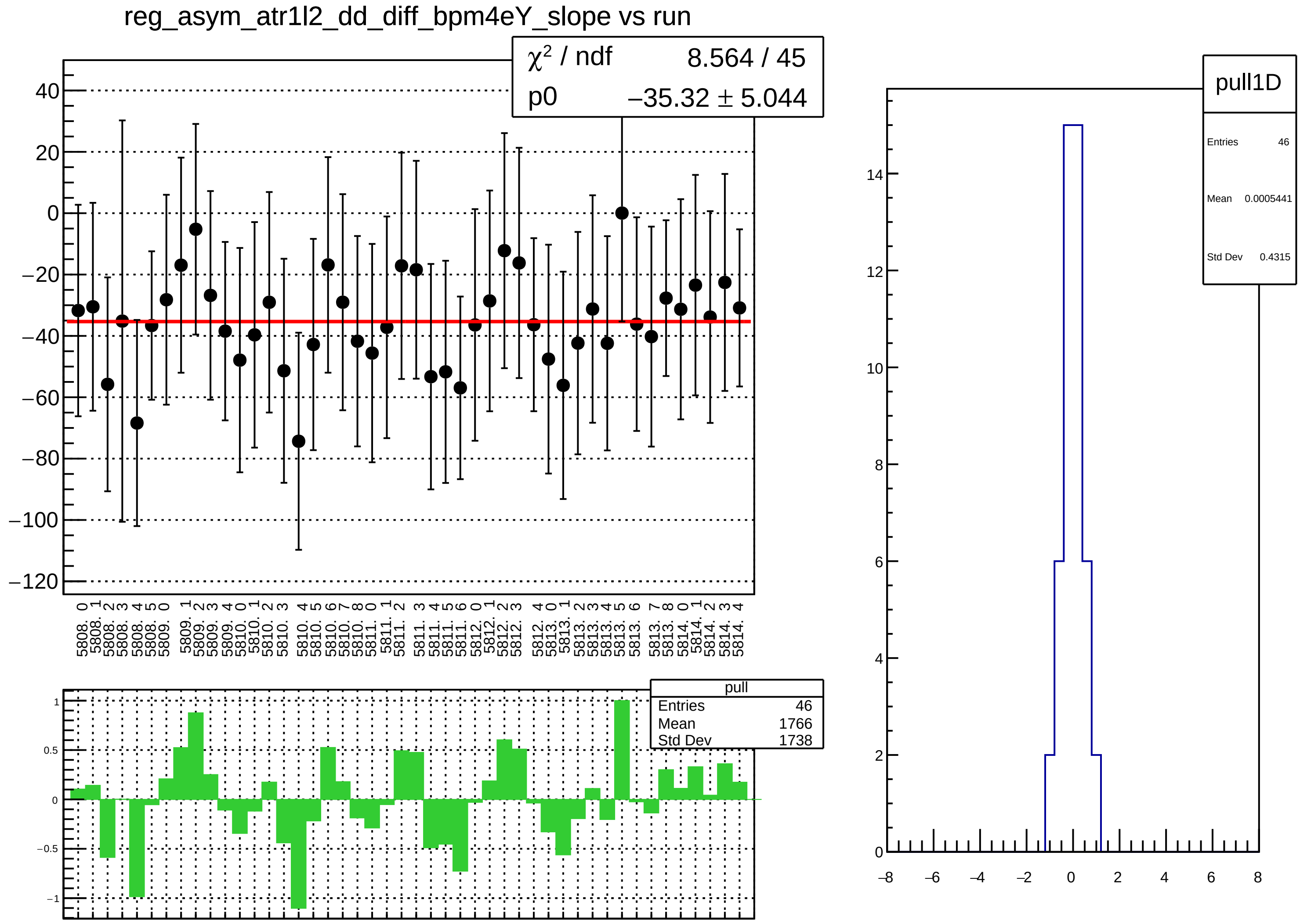


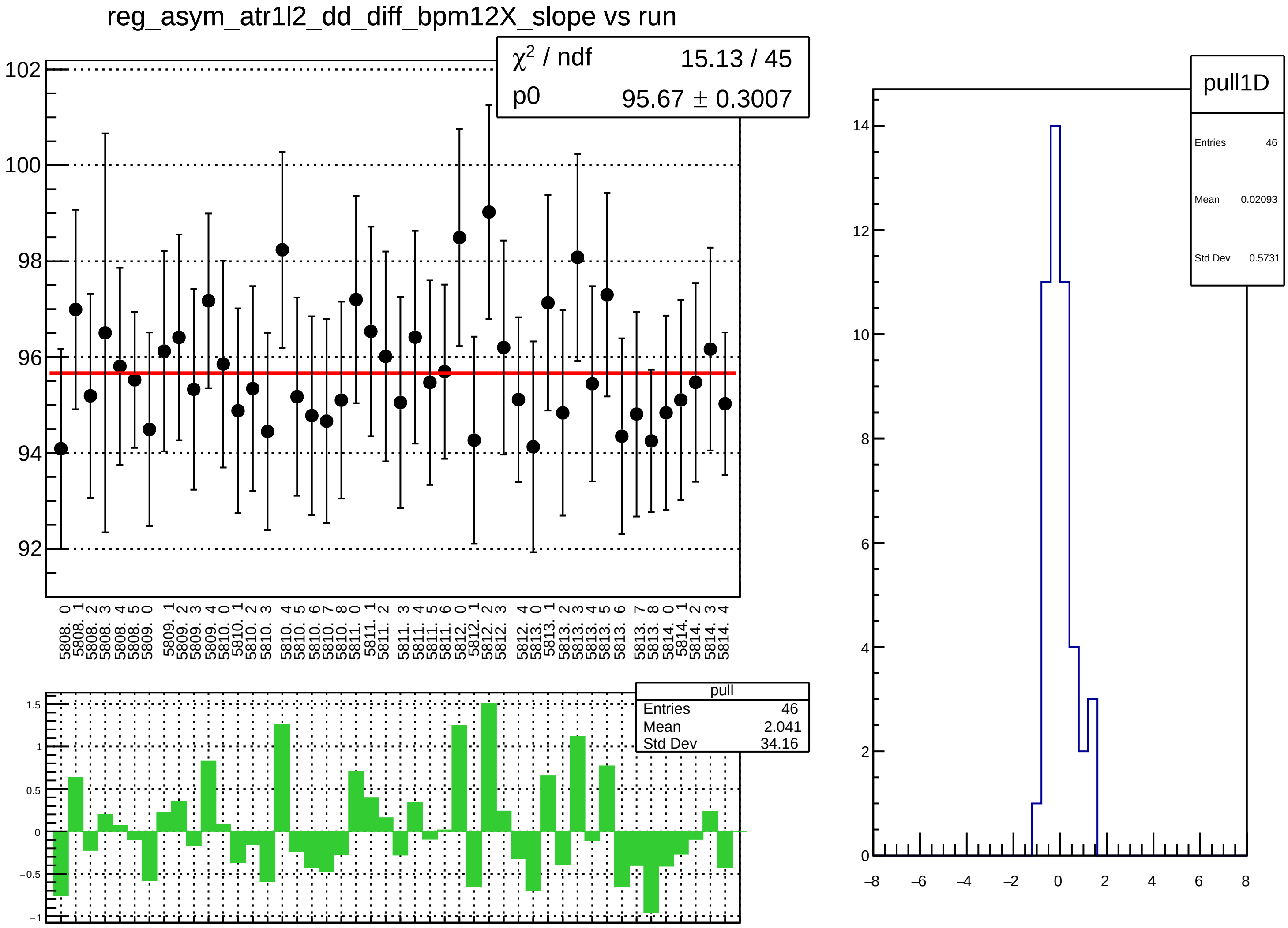


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.594 / 45
p0 −18.91 ± 4.603
pull
Entries 46
Mean 538.9
Std Dev 510.4
pull1D
Entries 46
Mean −0.001468
Std Dev 0.4322

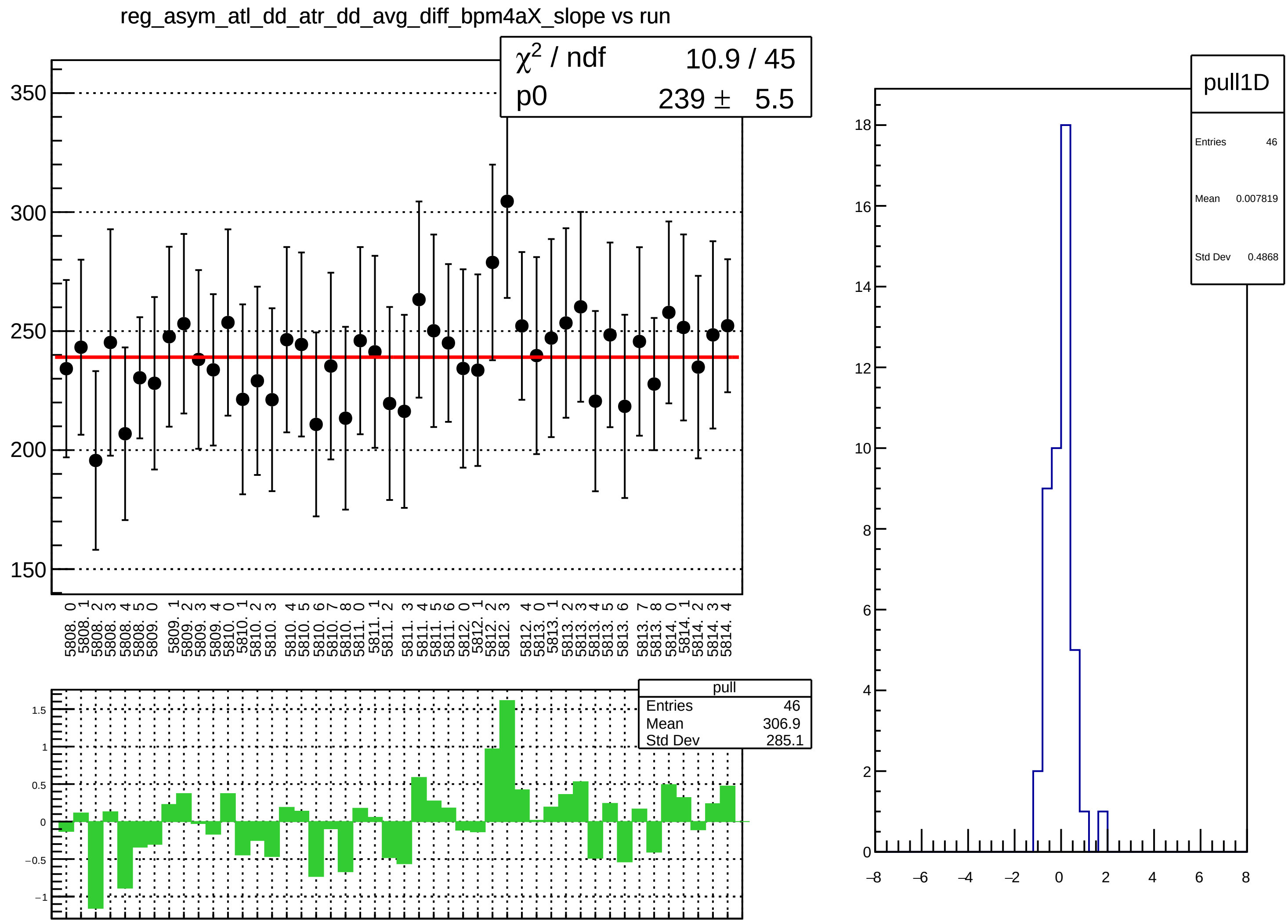


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.58 / 45
p0 −284.9 ± 6.622
pull
Entries 46
Mean 869.6
Std Dev 852.4
pull1D
Entries 46
Mean −0.001348
Std Dev 0.5229

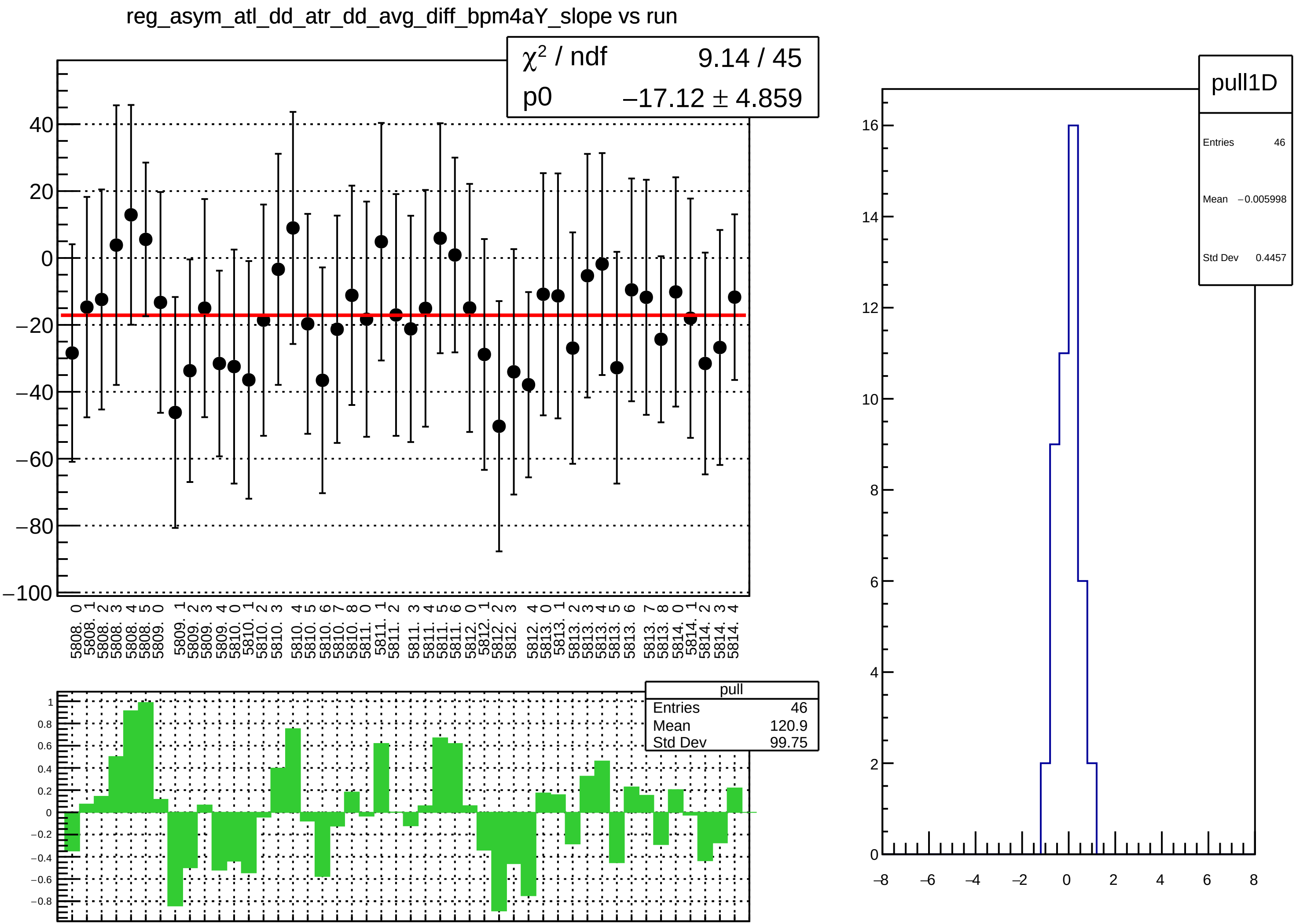

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.564 / 45
p0 −35.32 ± 5.044
pull
Entries 46
Mean 1766
Std Dev 1738
pull1D
Entries 46
Mean 0.0005441
Std Dev 0.4315



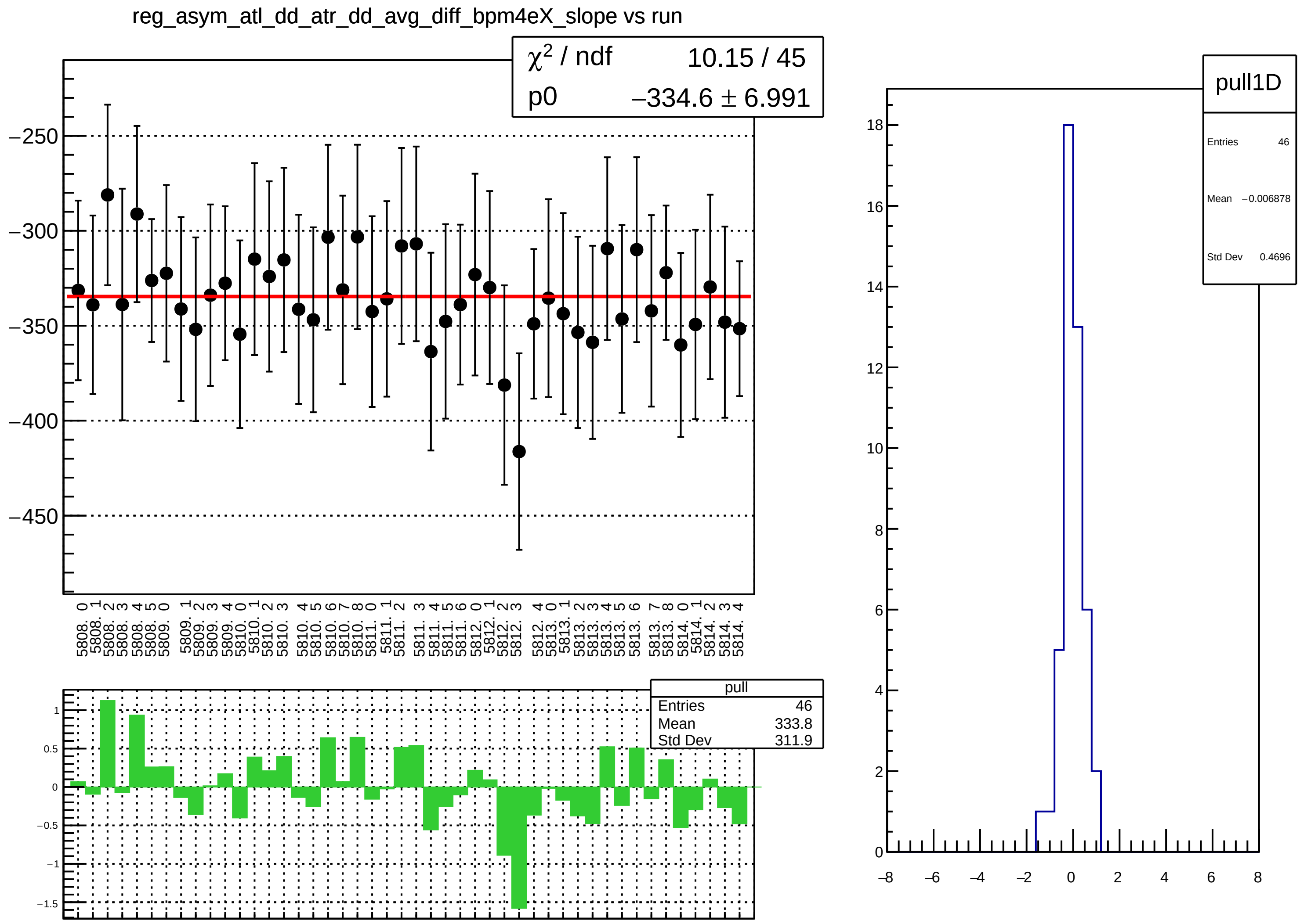
reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 15.13 / 45
p0 95.67 ± 0.3007
pull
Entries 46
Mean 2.041
Std Dev 34.16
pull1D
Entries 46
Mean 0.02093
Std Dev 0.5731



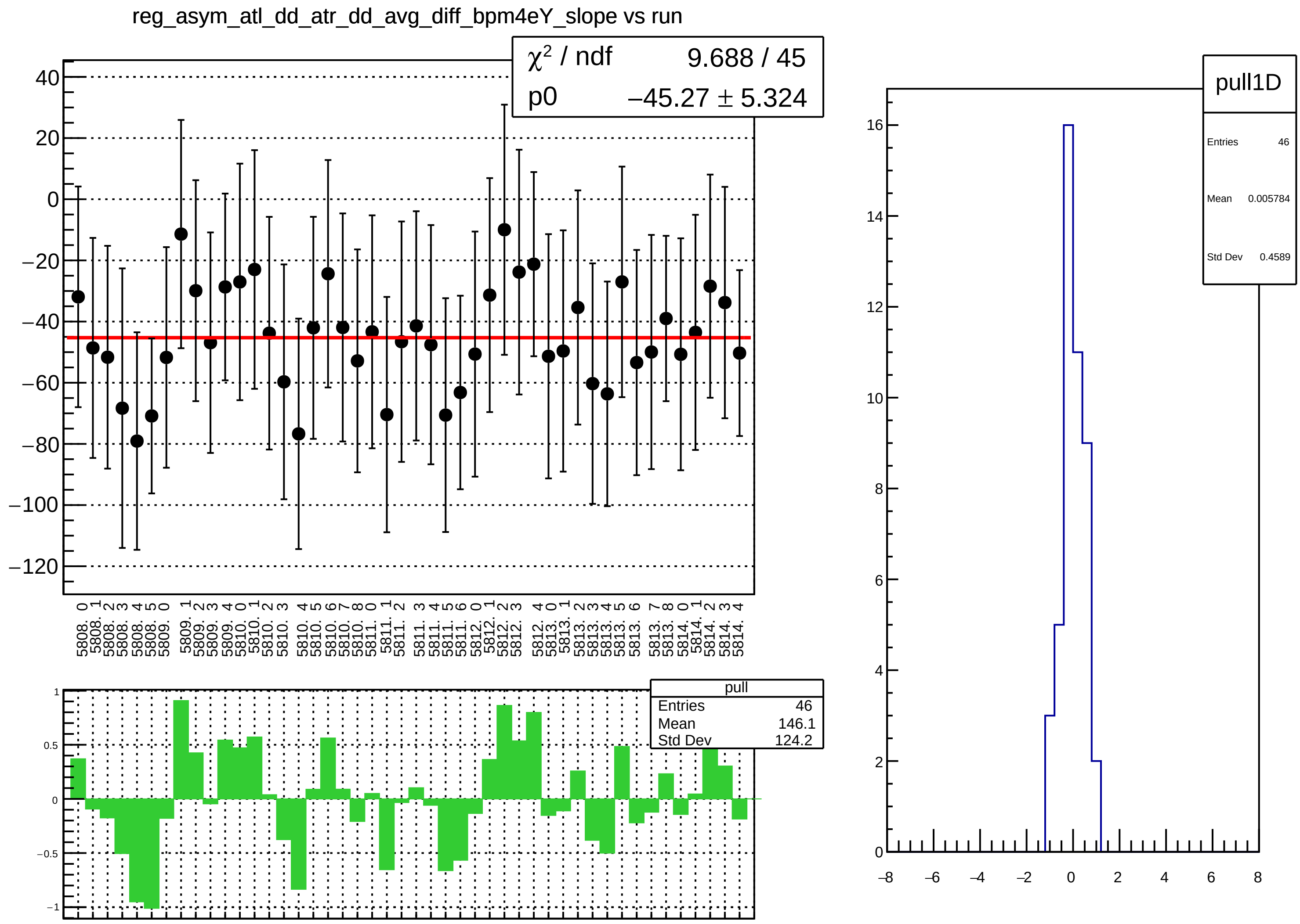
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 10.9 / 45
p0 239 ± 5.5
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 306.9
Std Dev 285.1
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean 0.007819
Std Dev 0.4868
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



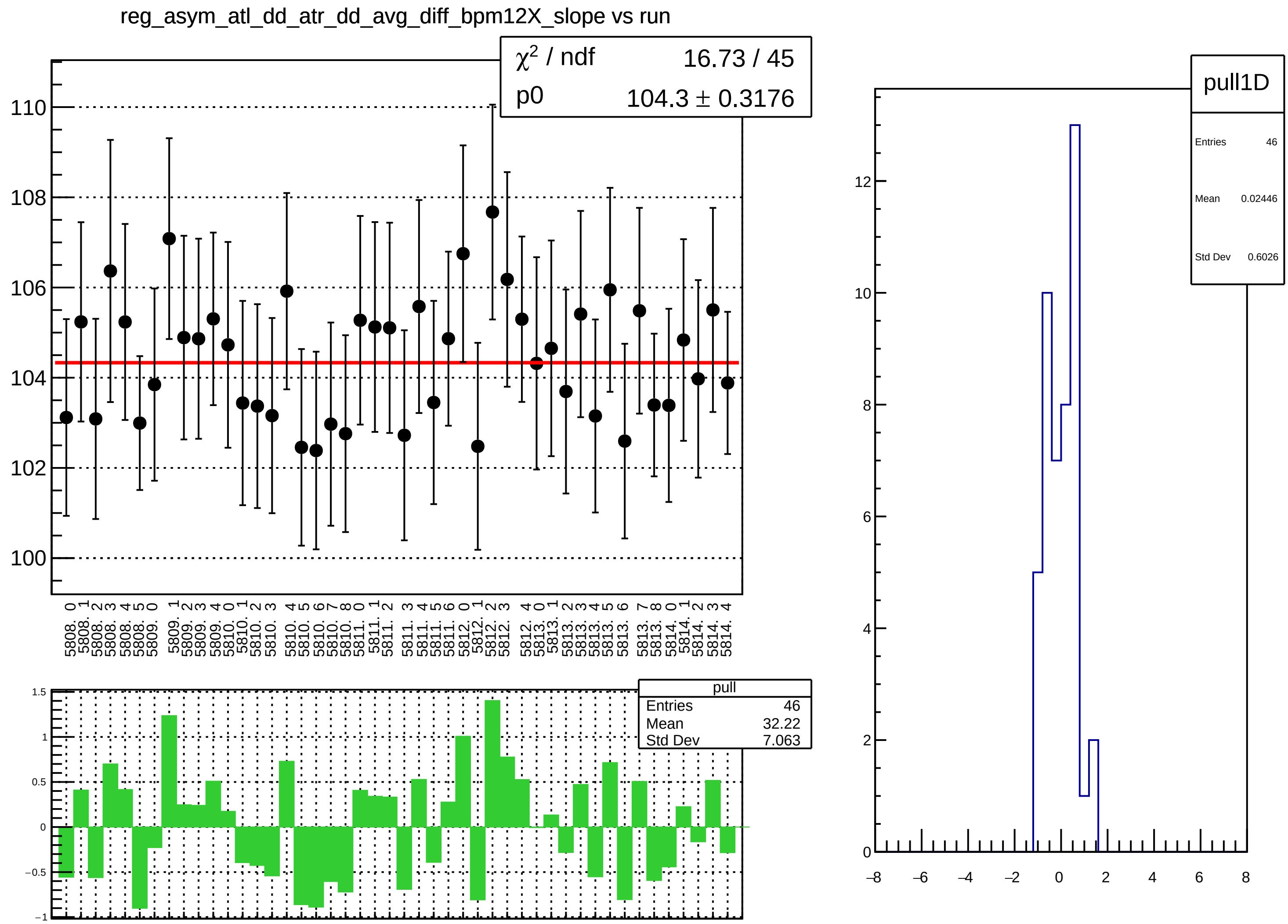
reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ2 / ndf 9.14 / 45
p0 −17.12 ± 4.859
pull
Entries 46
Mean 120.9
Std Dev 99.75
pull1D
Entries 46
Mean −0.005998
Std Dev 0.4457



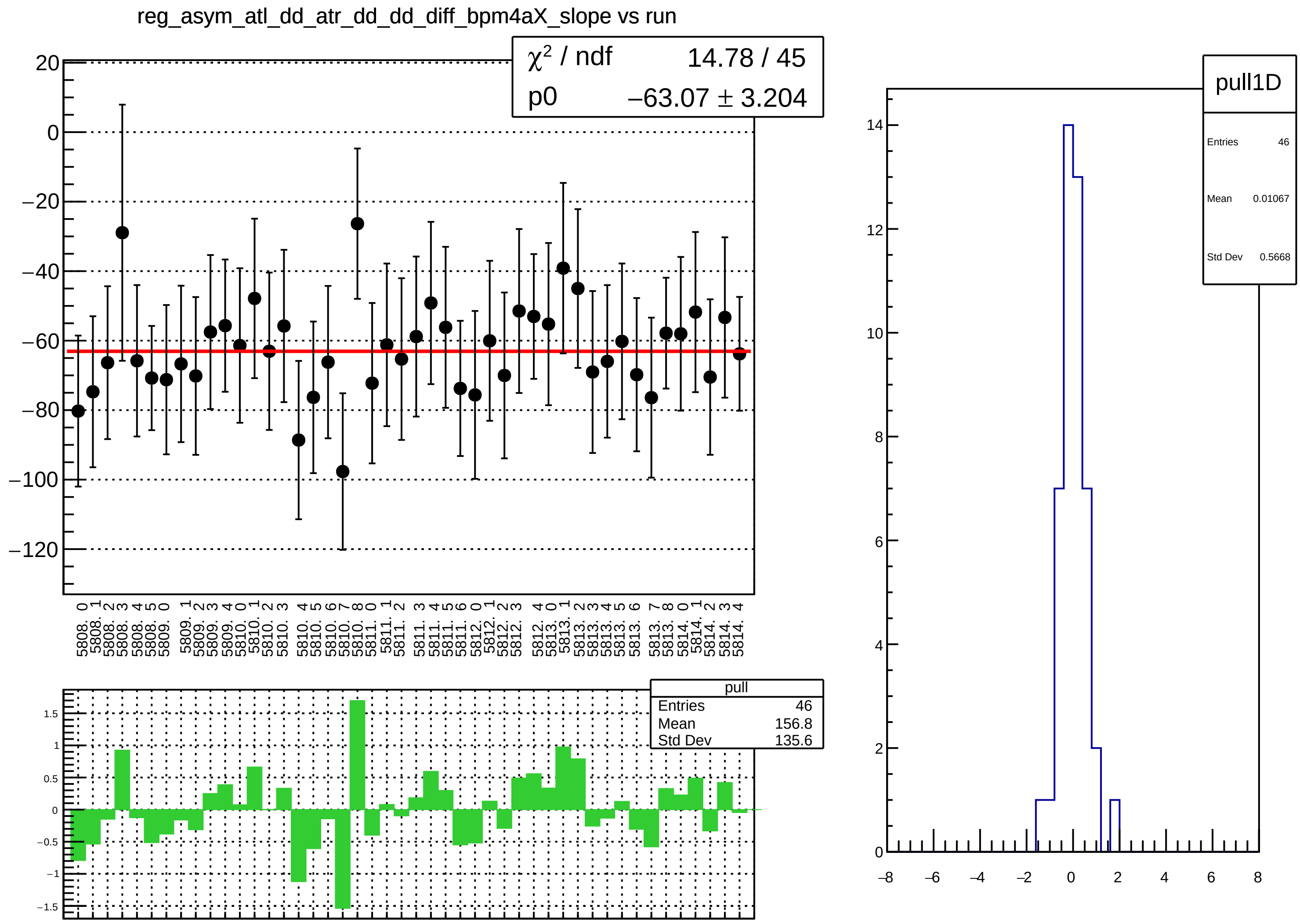
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.15 / 45
p0 −334.6 ± 6.991
pull
Entries 46
Mean 333.8
Std Dev 311.9
pull1D
Entries 46
Mean −0.006878
Std Dev 0.4696



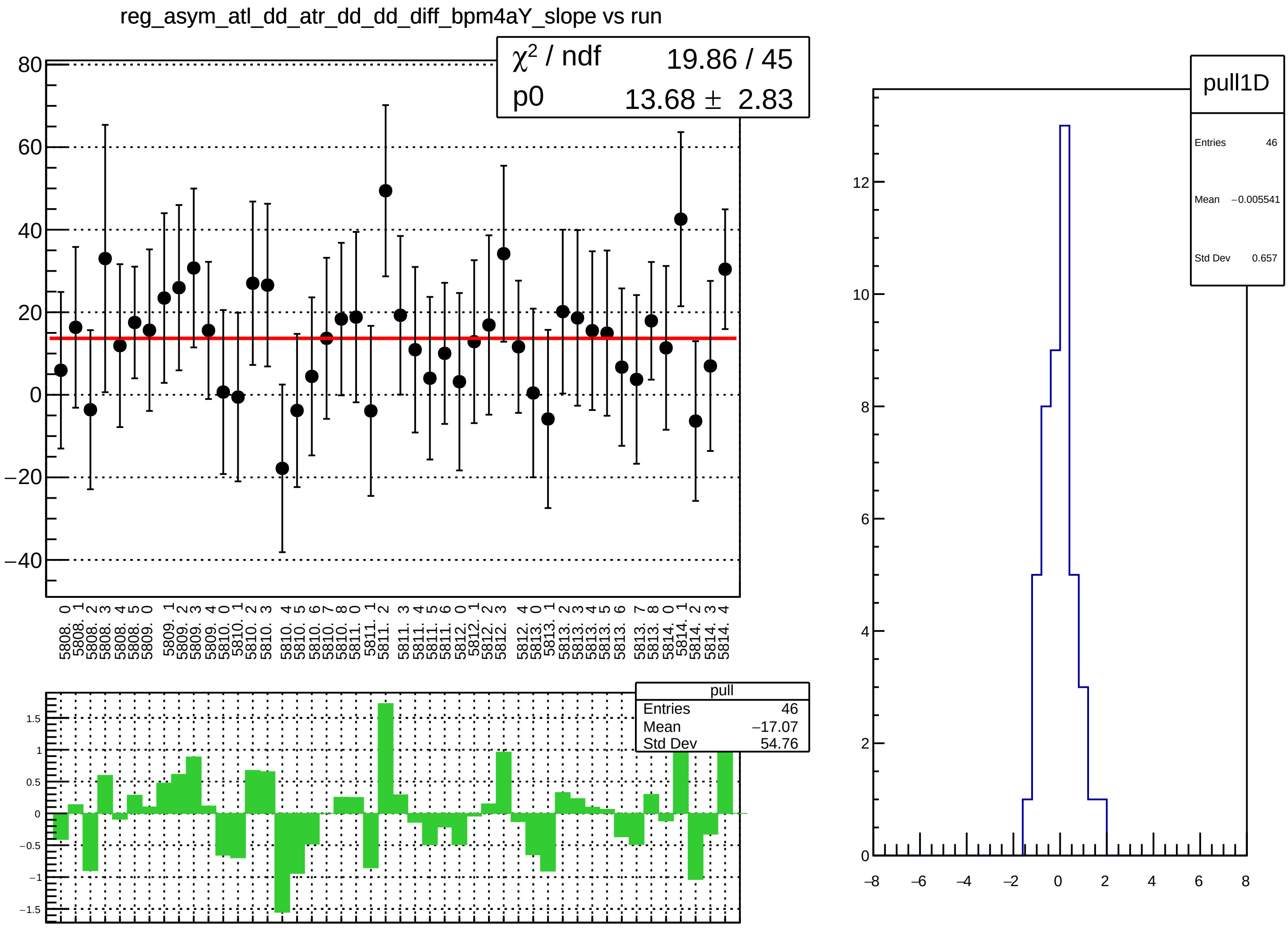
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.688 / 45
p0 −45.27 ± 5.324
pull
Entries 46
Mean 146.1
Std Dev 124.2
pull1D
Entries 46
Mean 0.005784
Std Dev 0.4589



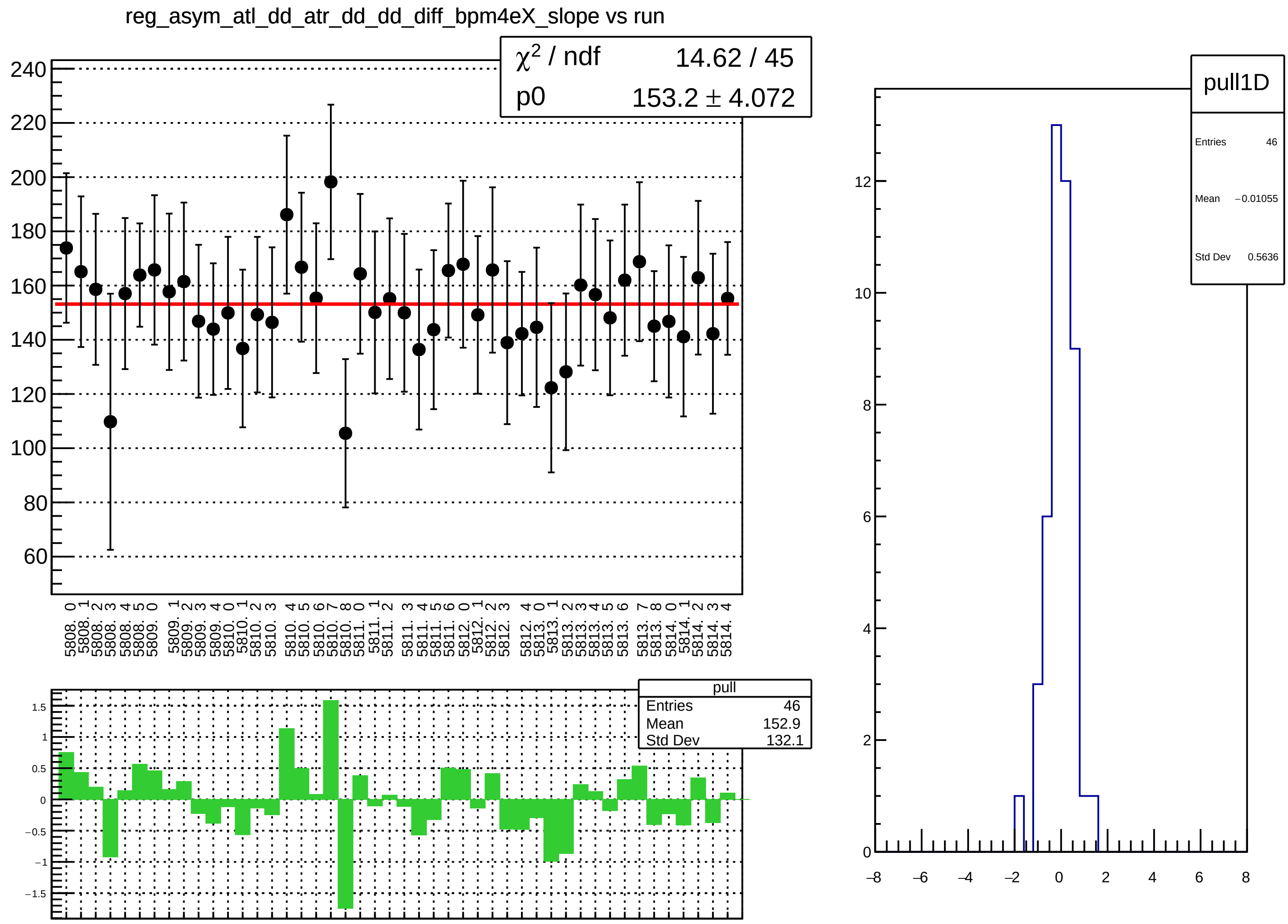
reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.73 / 45
p0 104.3 ± 0.3176
pull
Entries 46
Mean 32.22
Std Dev 7.063
pull1D
Entries 46
Mean 0.02446
Std Dev 0.6026



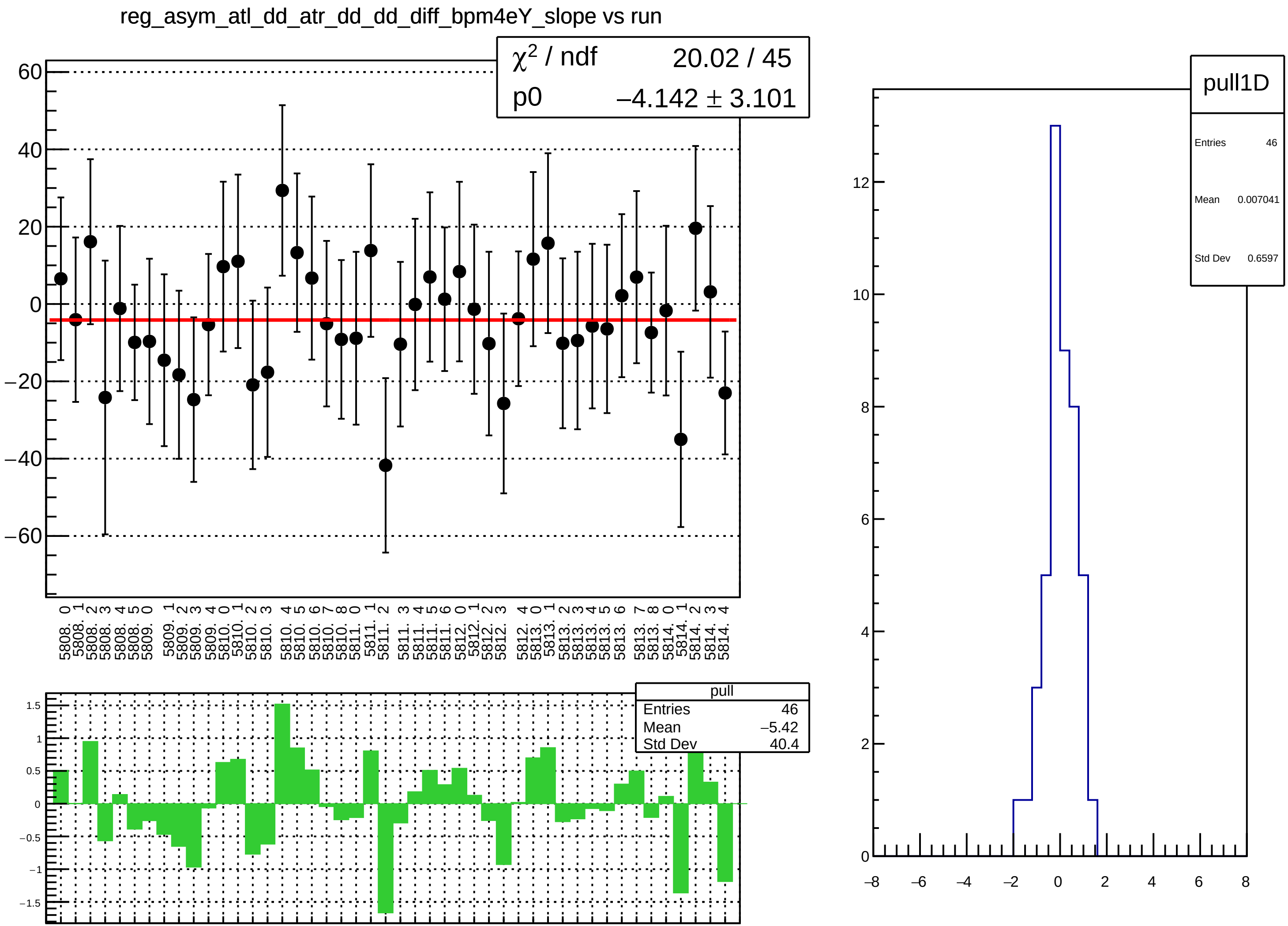
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 14.78 / 45
p0 −63.07 ± 3.204
pull
Entries 46
Mean 156.8
Std Dev 135.6
pull1D
Entries 46
Mean 0.01067
Std Dev 0.5668

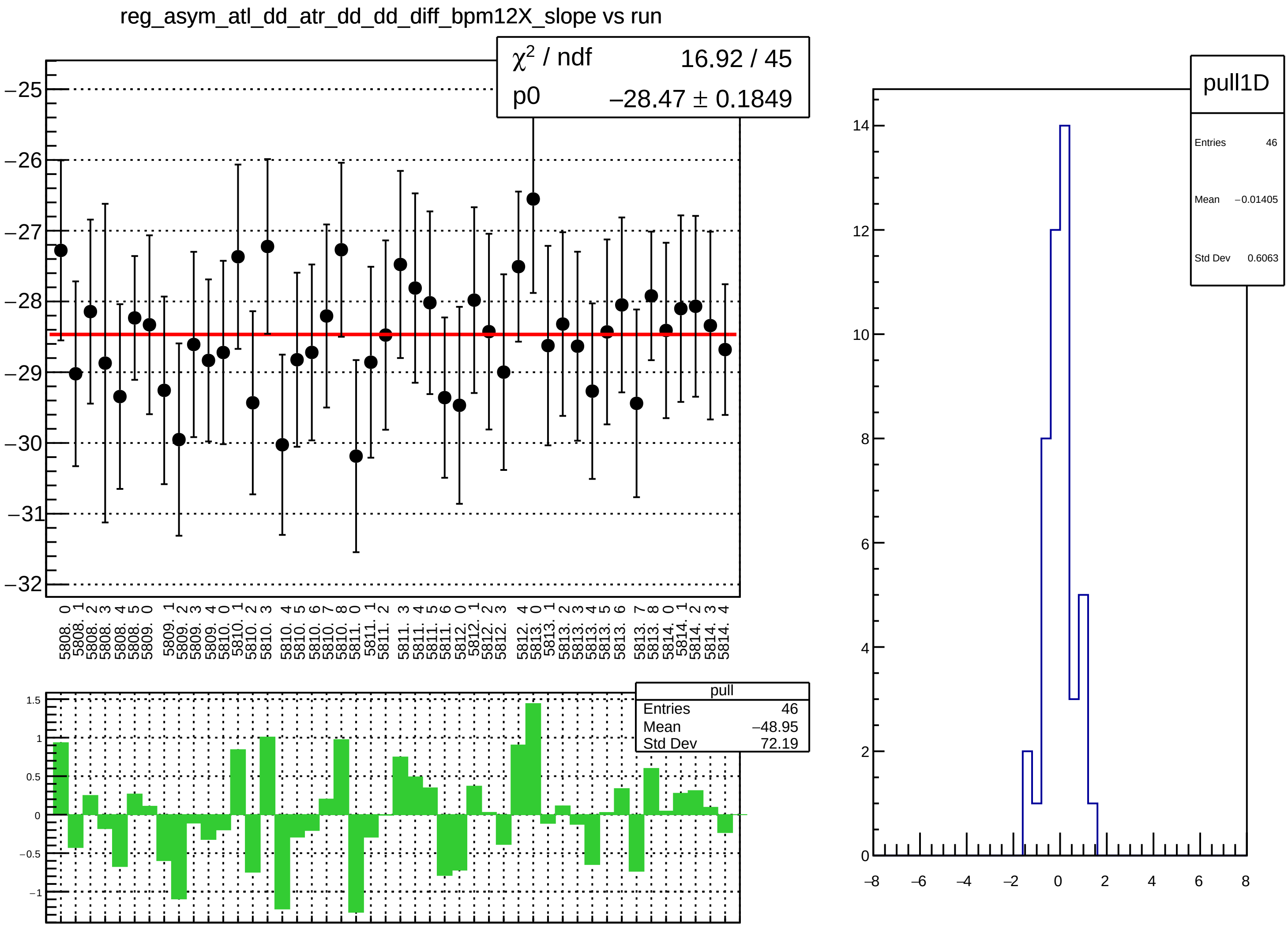


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 19.86 / 45
p0 13.68 ± 2.83
pull
Entries 46
Mean −17.07
Std Dev 54.76
pull1D
Entries 46
Mean −0.005541
Std Dev 0.657

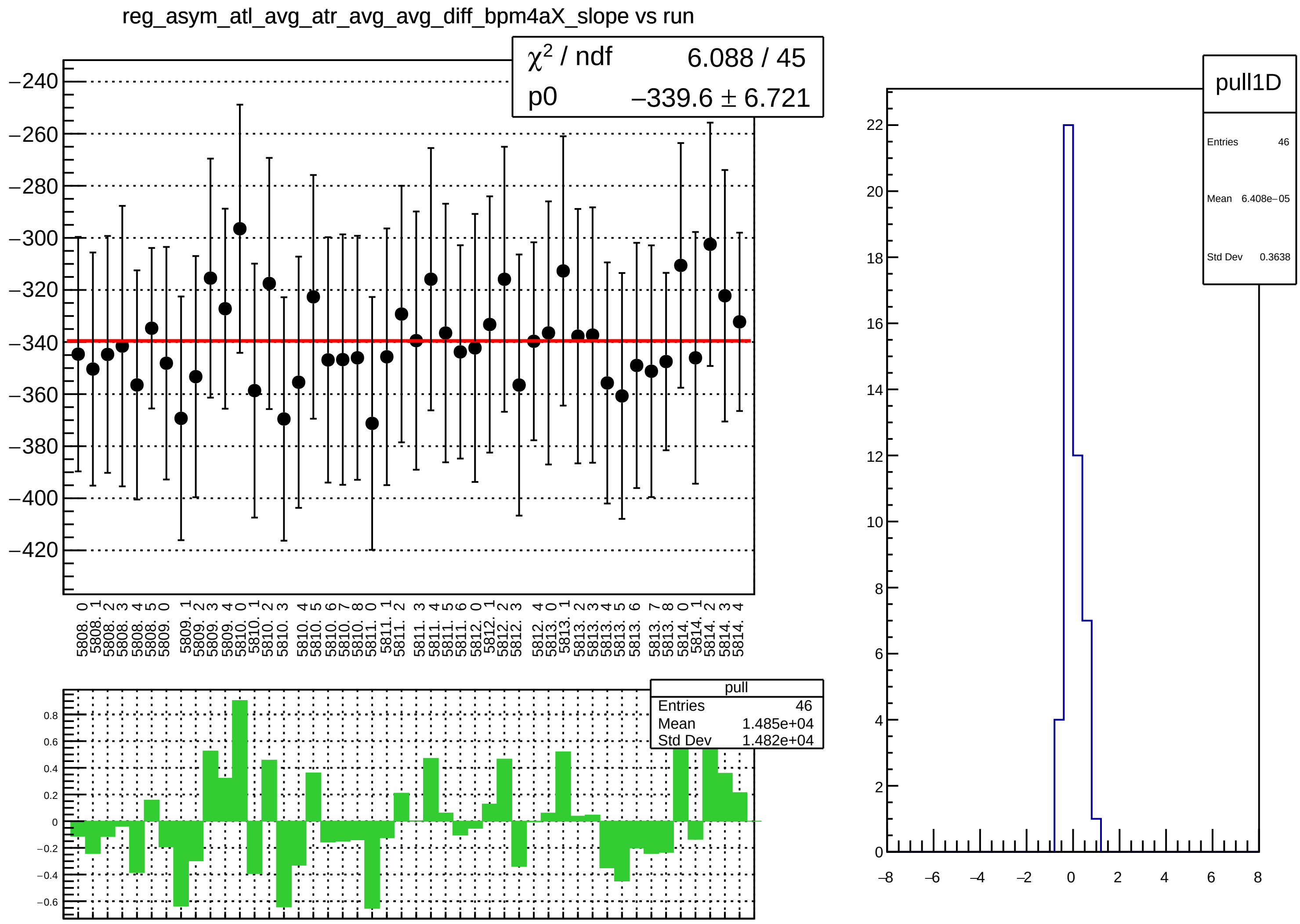


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.62 / 45
p0 153.2 ± 4.072
pull
Entries 46
Mean 152.9
Std Dev 132.1
pull1D
Entries 46
Mean −0.01055
Std Dev 0.5636

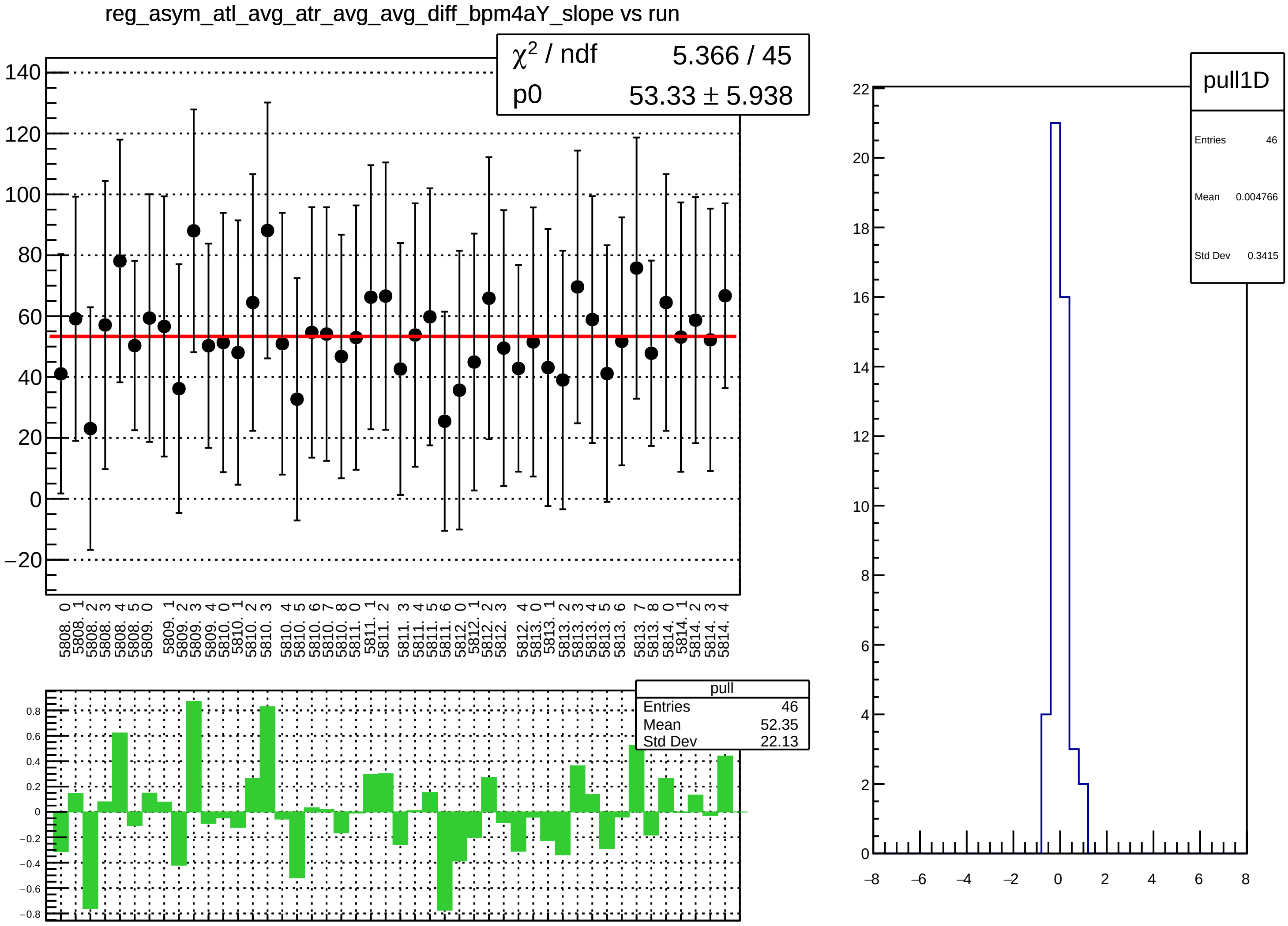

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ2 / ndf 20.02 / 45
p0 −4.142 ± 3.101
pull
Entries 46
Mean −5.42
Std Dev 40.4
pull1D
Entries 46
Mean 0.007041
Std Dev 0.6597

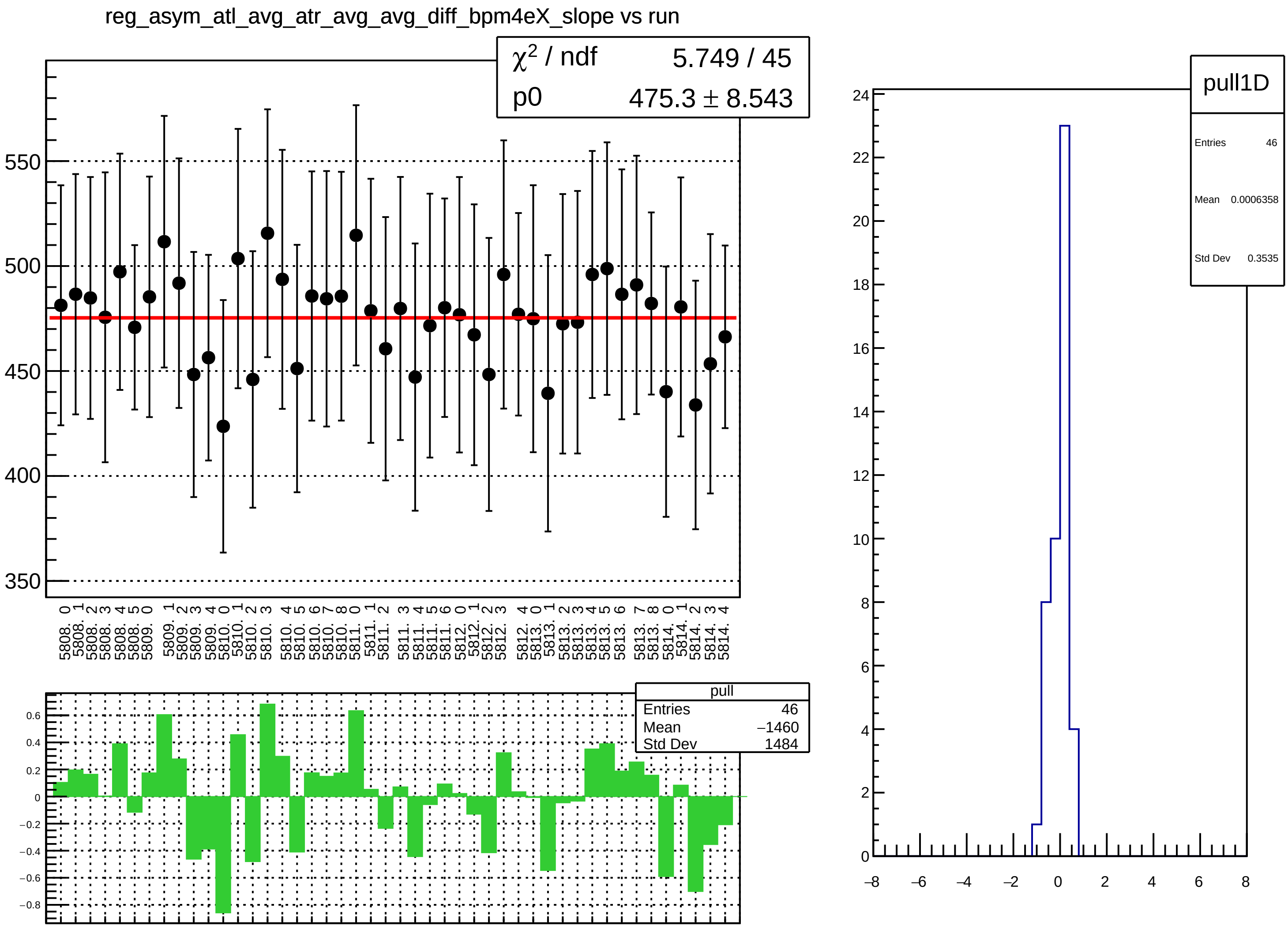


reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ2 / ndf 16.92 / 45
p0 −28.47 ± 0.1849
pull
Entries 46
Mean −48.95
Std Dev 72.19
pull1D
Entries 46
Mean −0.01405
Std Dev 0.6063

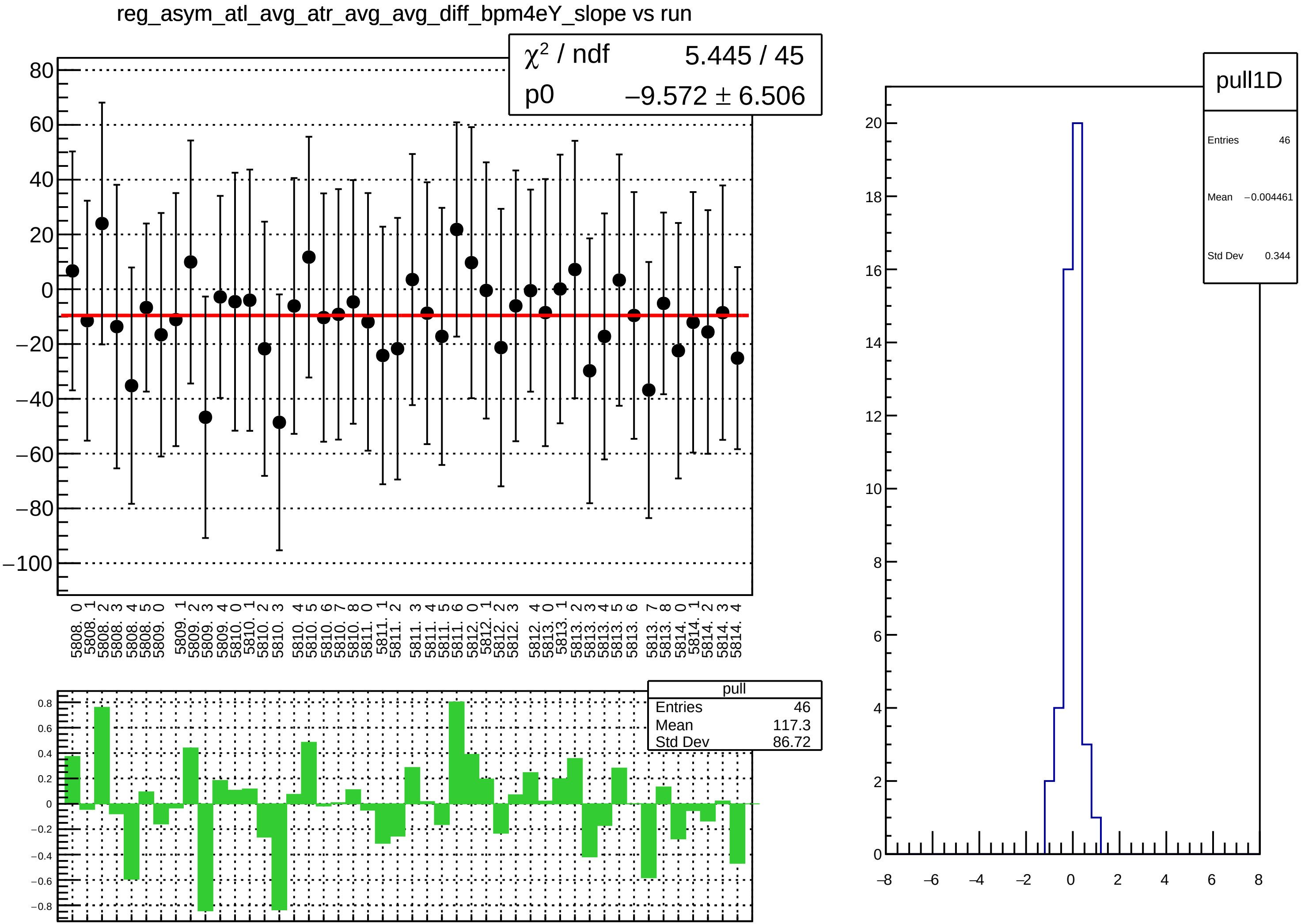


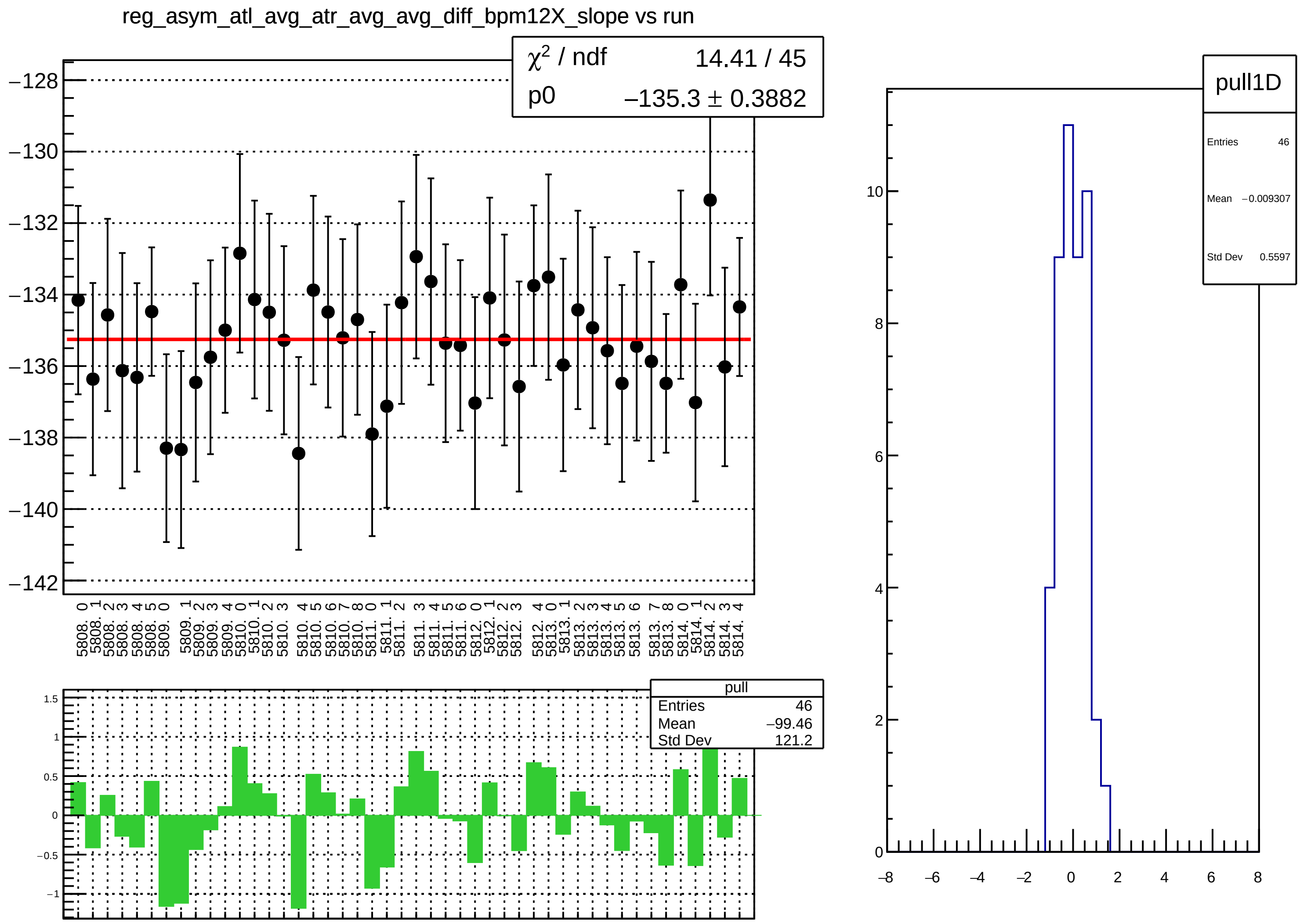
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 6.088 / 45
p0 −339.6 ± 6.721
pull
Entries 46
Mean 1.485e+04
Std Dev 1.482e+04
pull1D
Entries 46
Mean 6.408e−05
Std Dev 0.3638


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.366 / 45
p0 53.33 ± 5.938
pull
Entries 46
Mean 52.35
Std Dev 22.13
pull1D
Entries 46
Mean 0.004766
Std Dev 0.3415

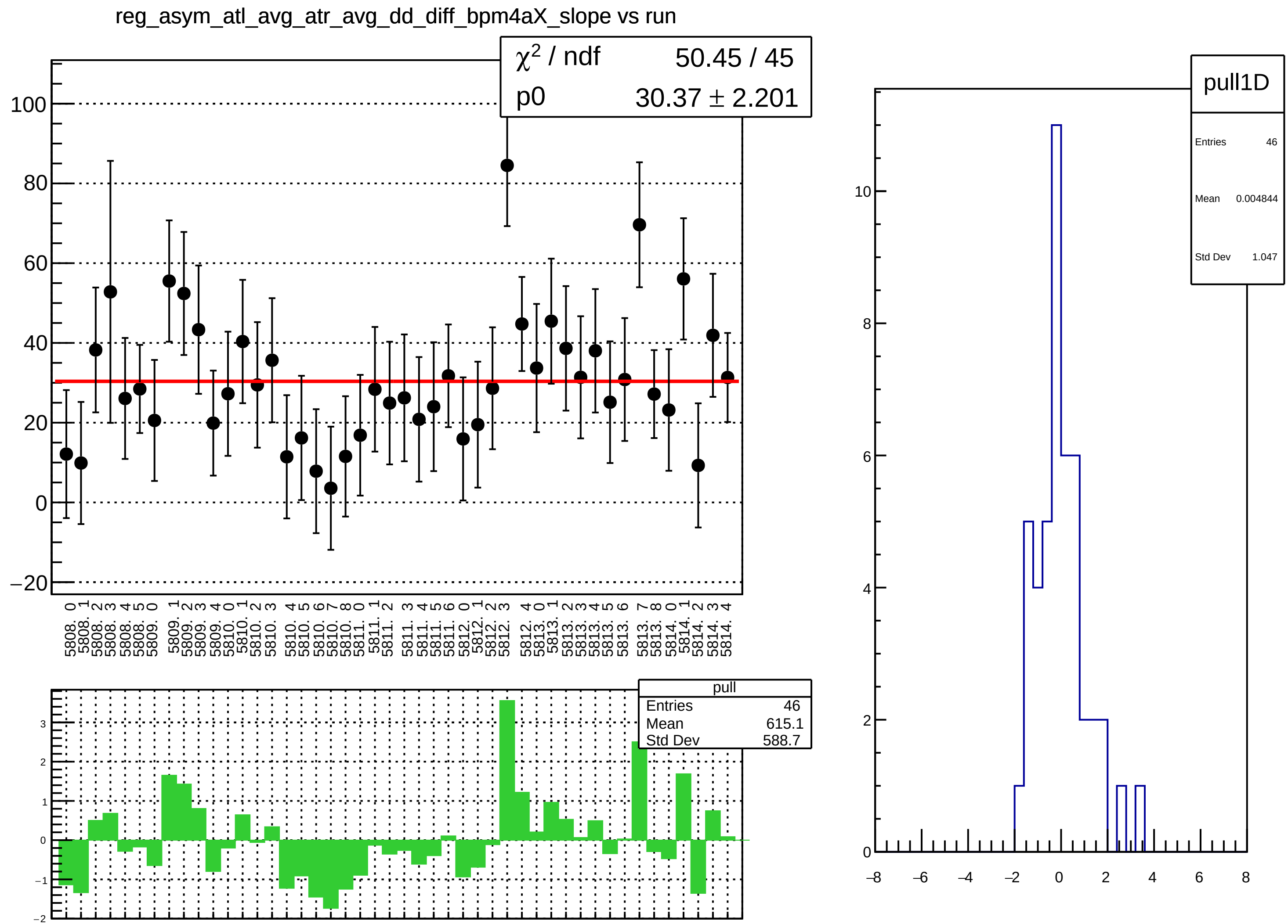


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 5.749 / 45
p0 475.3 ± 8.543
pull
Entries 46
Mean −1460
Std Dev 1484
pull1D
Entries 46
Mean 0.0006358
Std Dev 0.3535

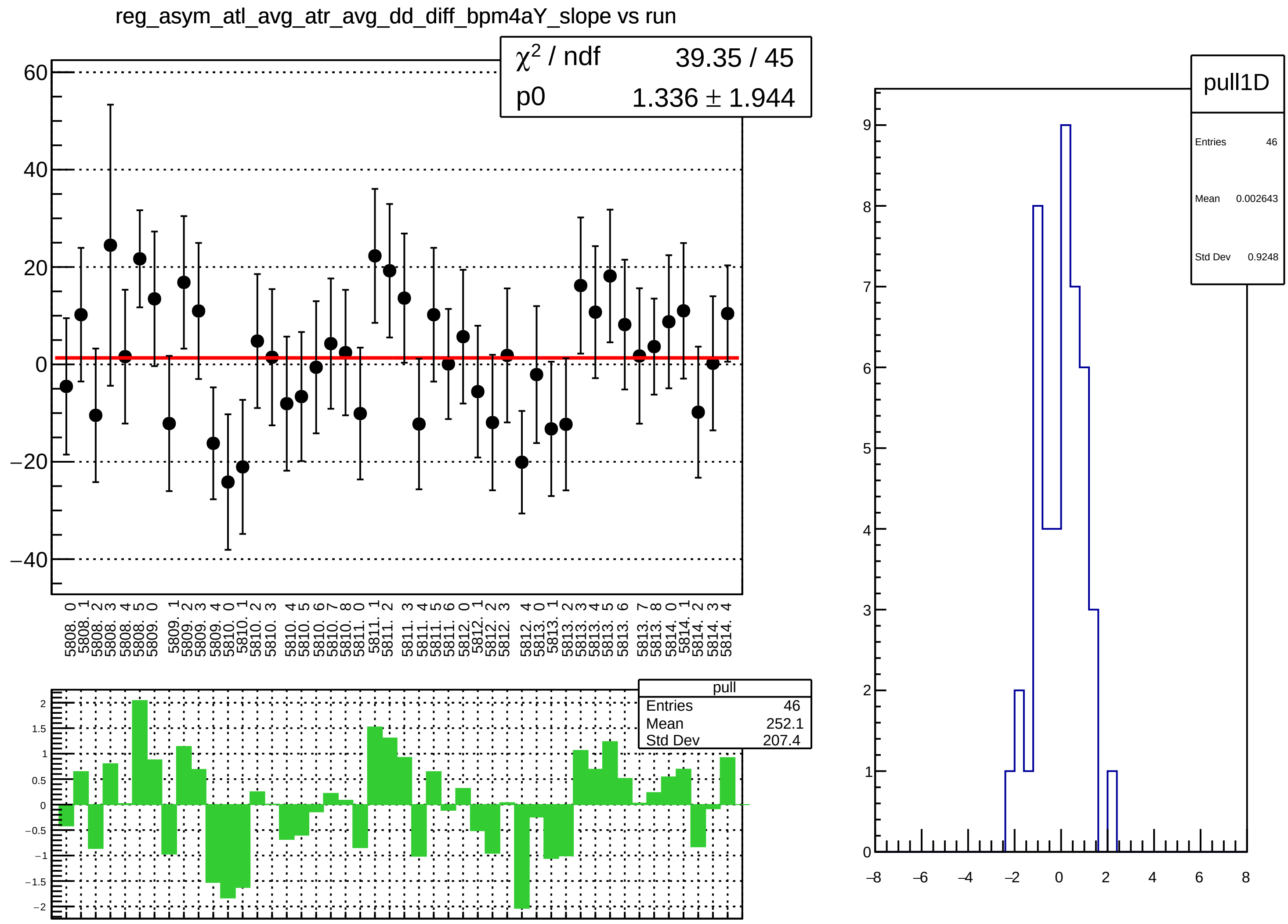

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.445 / 45
p0 −9.572 ± 6.506
pull
Entries 46
Mean 117.3
Std Dev 86.72
pull1D
Entries 46
Mean −0.004461
Std Dev 0.344



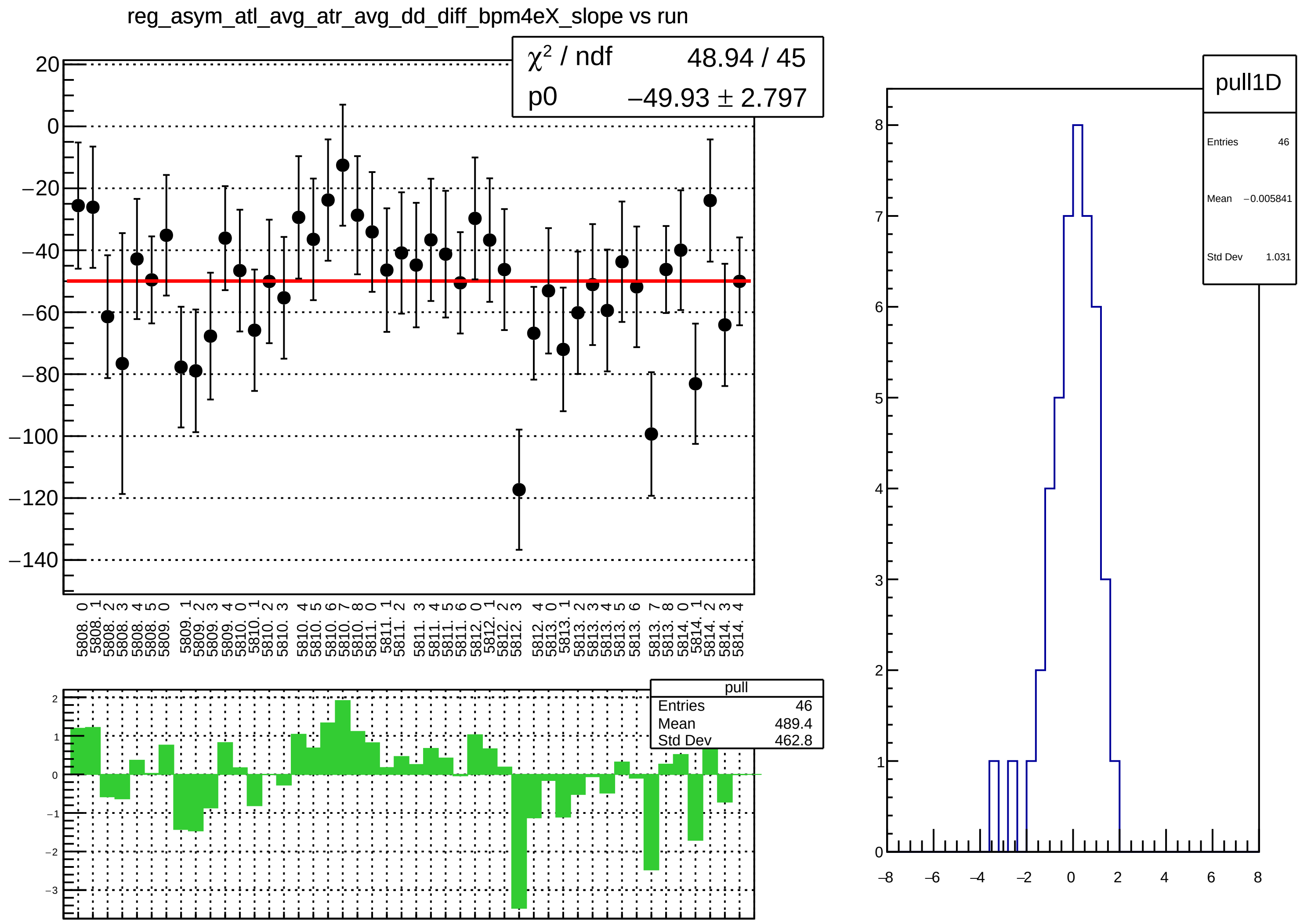
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 14.41 / 45
p0 −135.3 ± 0.3882
pull
Entries 46
Mean −99.46
Std Dev 121.2
pull1D
Entries 46
Mean −0.009307
Std Dev 0.5597



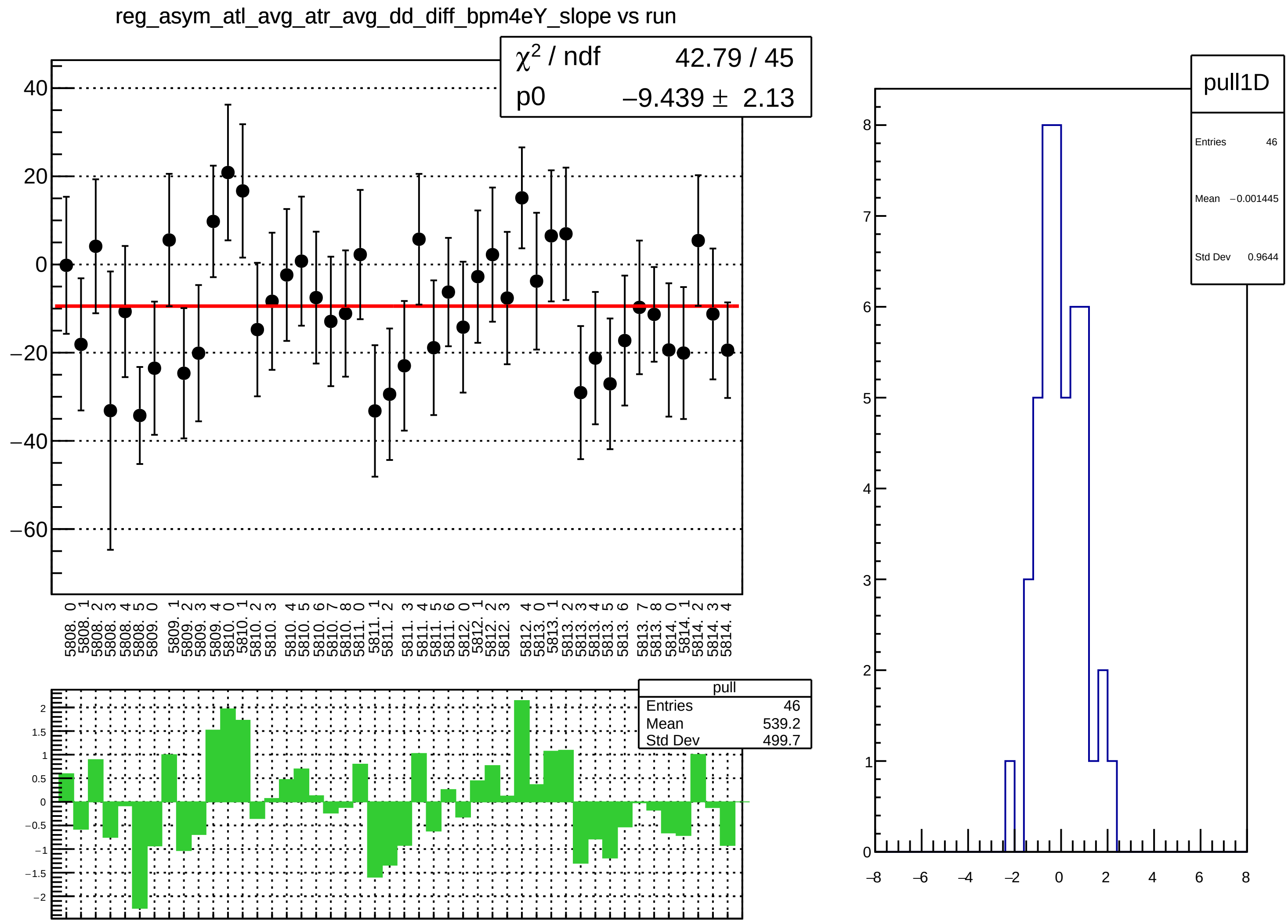
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 50.45 / 45
p0 30.37 ± 2.201
pull
Entries 46
Mean 615.1
Std Dev 588.7
pull1D
Entries 46
Mean 0.004844
Std Dev 1.047



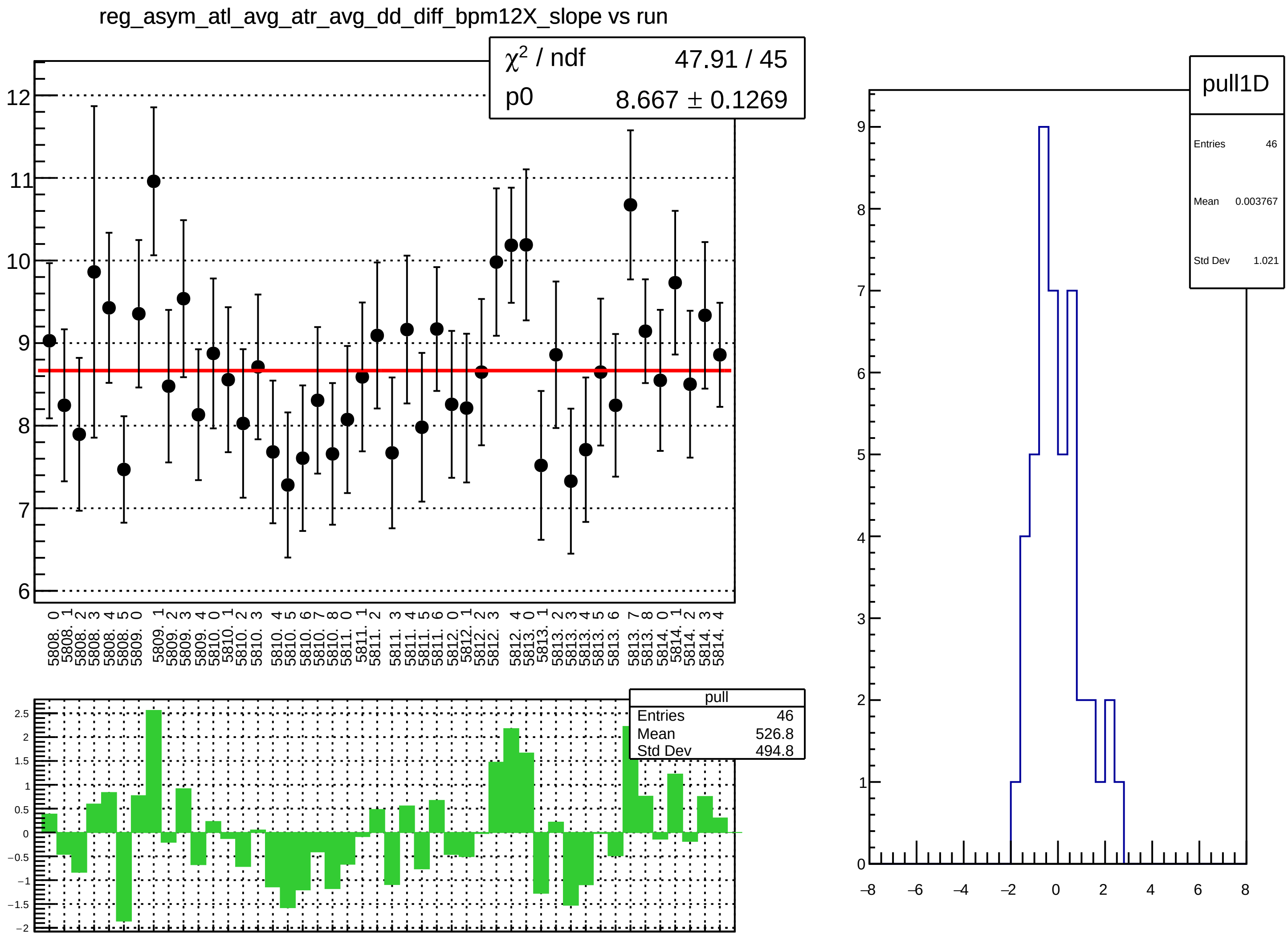
reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 39.35 / 45
p0 1.336 ± 1.944
pull
Entries 46
Mean 252.1
Std Dev 207.4
pull1D
Entries 46
Mean 0.002643
Std Dev 0.9248



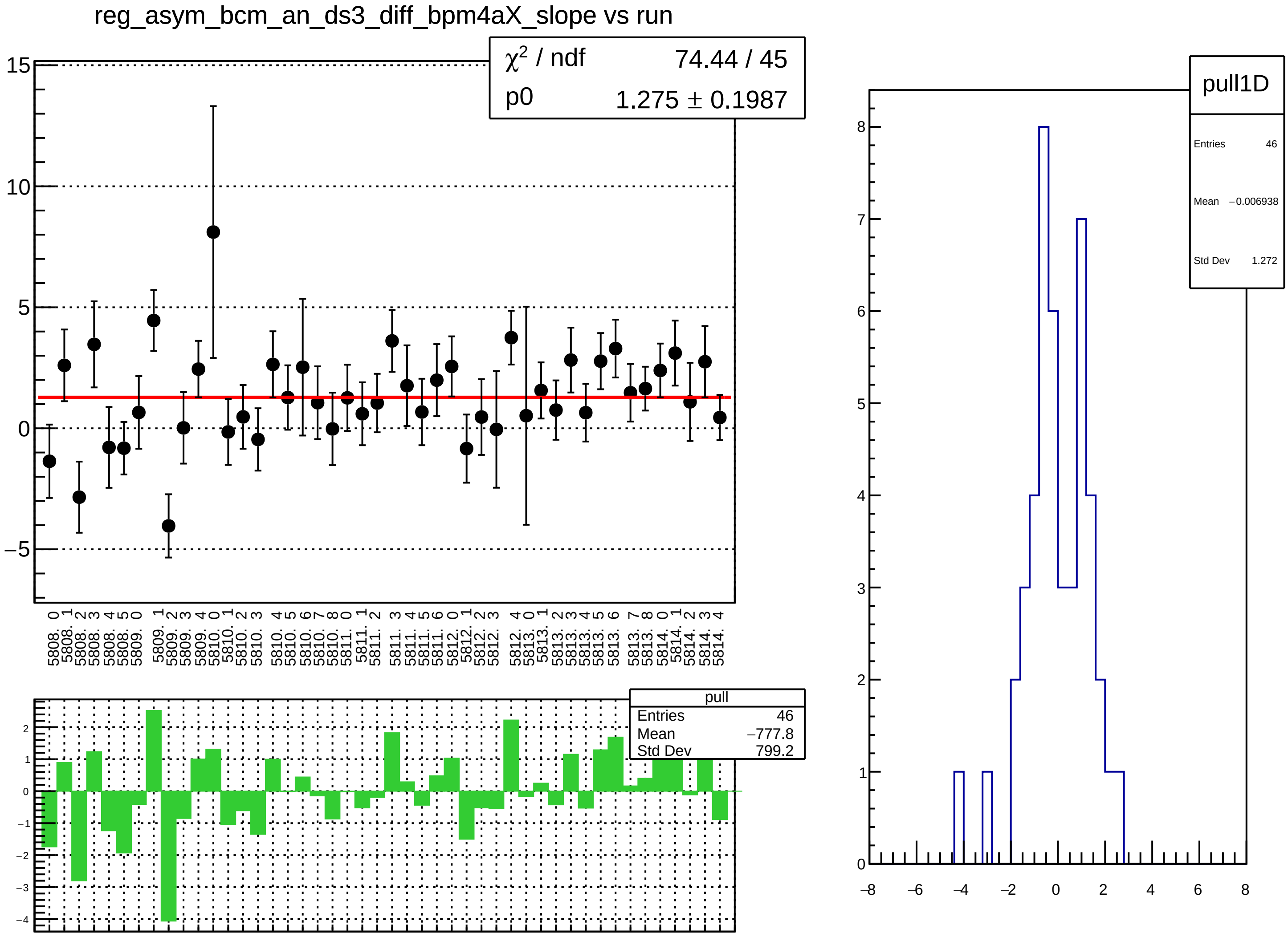
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 48.94 / 45
p0 −49.93 ± 2.797
pull
Entries 46
Mean 489.4
Std Dev 462.8
pull1D
Entries 46
Mean −0.005841
Std Dev 1.031



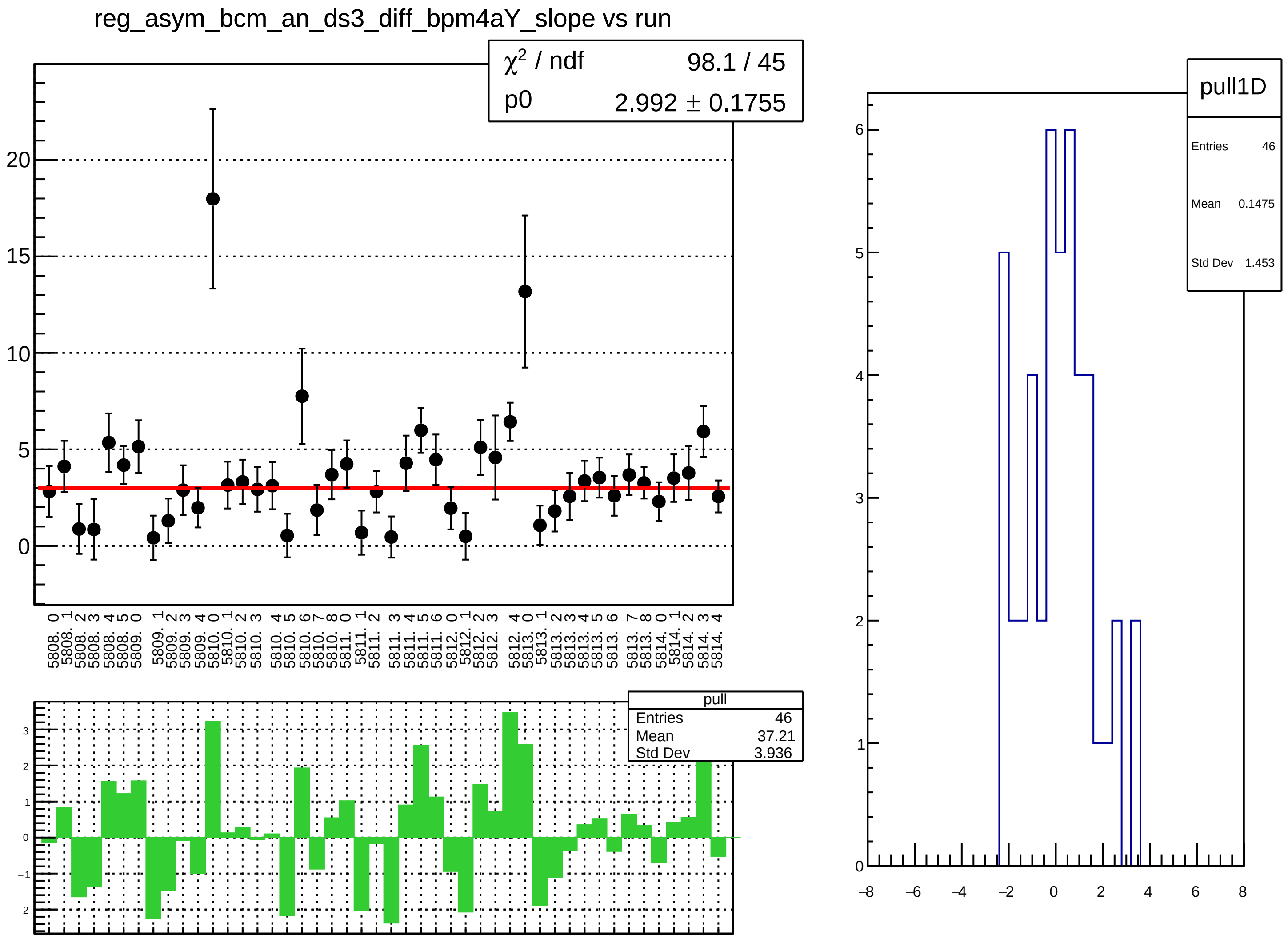
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 42.79 / 45
p0 −9.439 ± 2.13
pull
Entries 46
Mean 539.2
Std Dev 499.7
pull1D
Entries 46
Mean −0.001445
Std Dev 0.9644



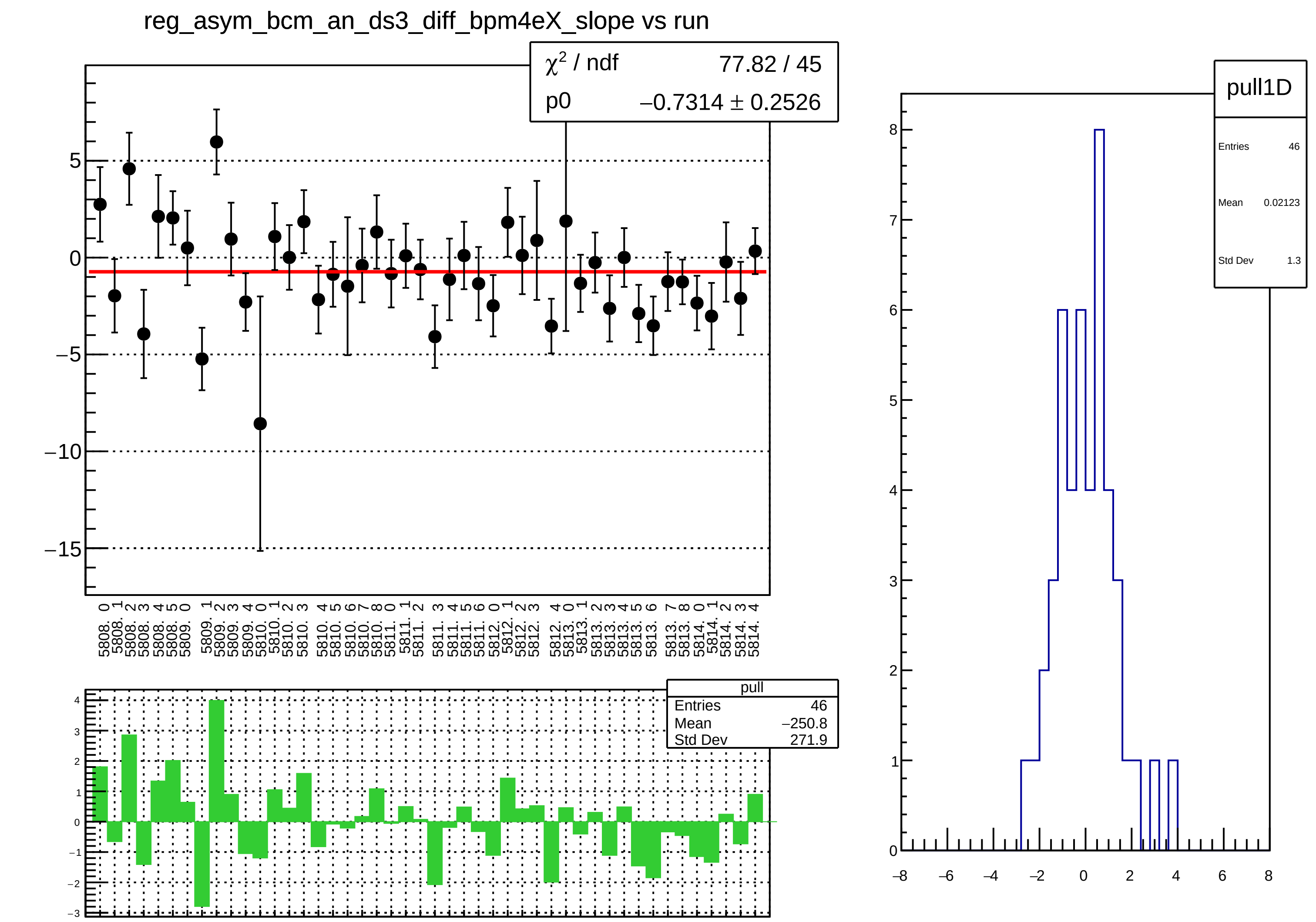
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 47.91 / 45
p0 8.667 ± 0.1269
pull
Entries 46
Mean 526.8
Std Dev 494.8
pull1D
Entries 46
Mean 0.003767
Std Dev 1.021



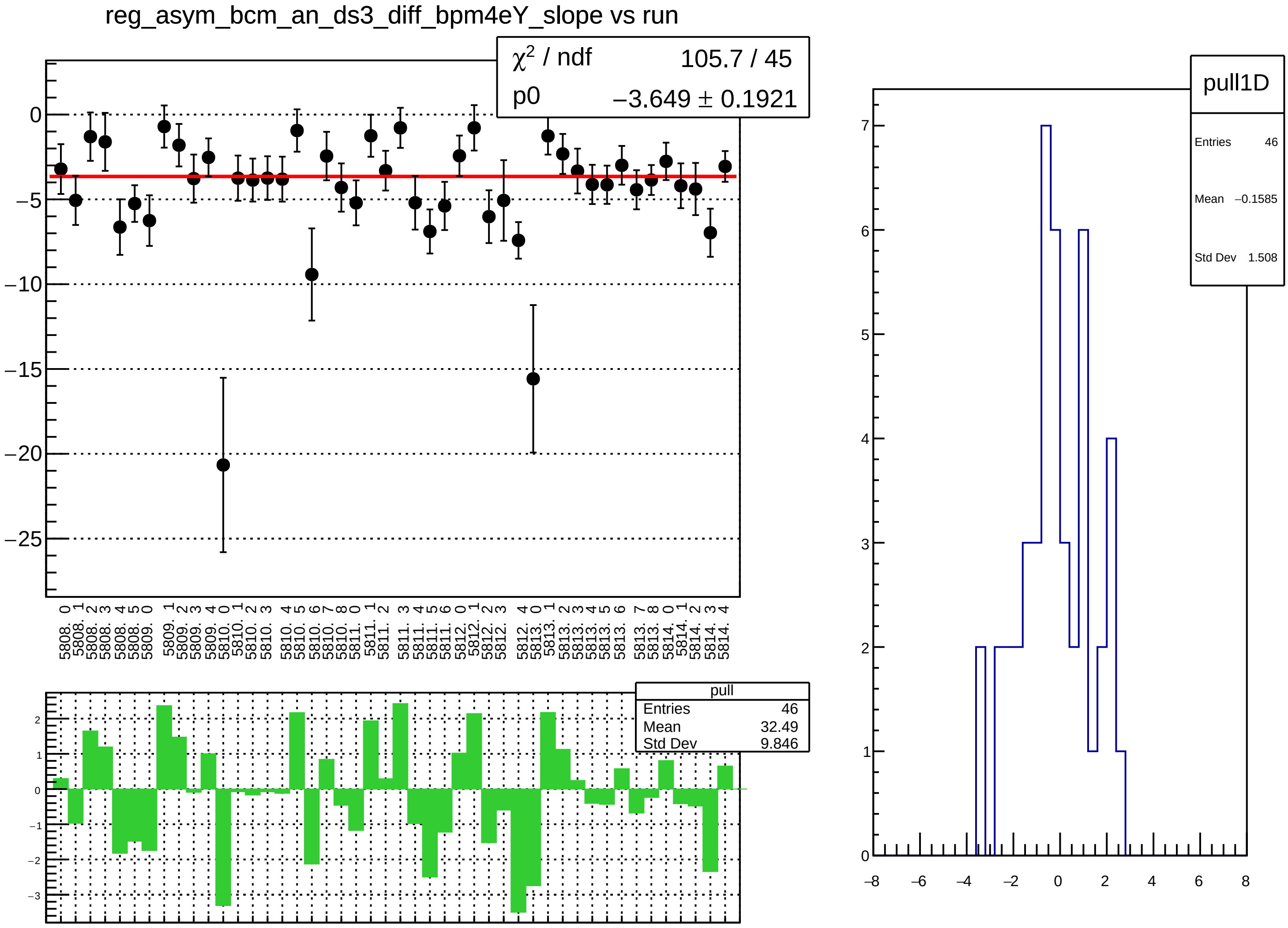
reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ2 / ndf 74.44 / 45
p0 1.275 ± 0.1987
pull
Entries 46
Mean −777.8
Std Dev 799.2
pull1D
Entries 46
Mean −0.006938
Std Dev 1.272



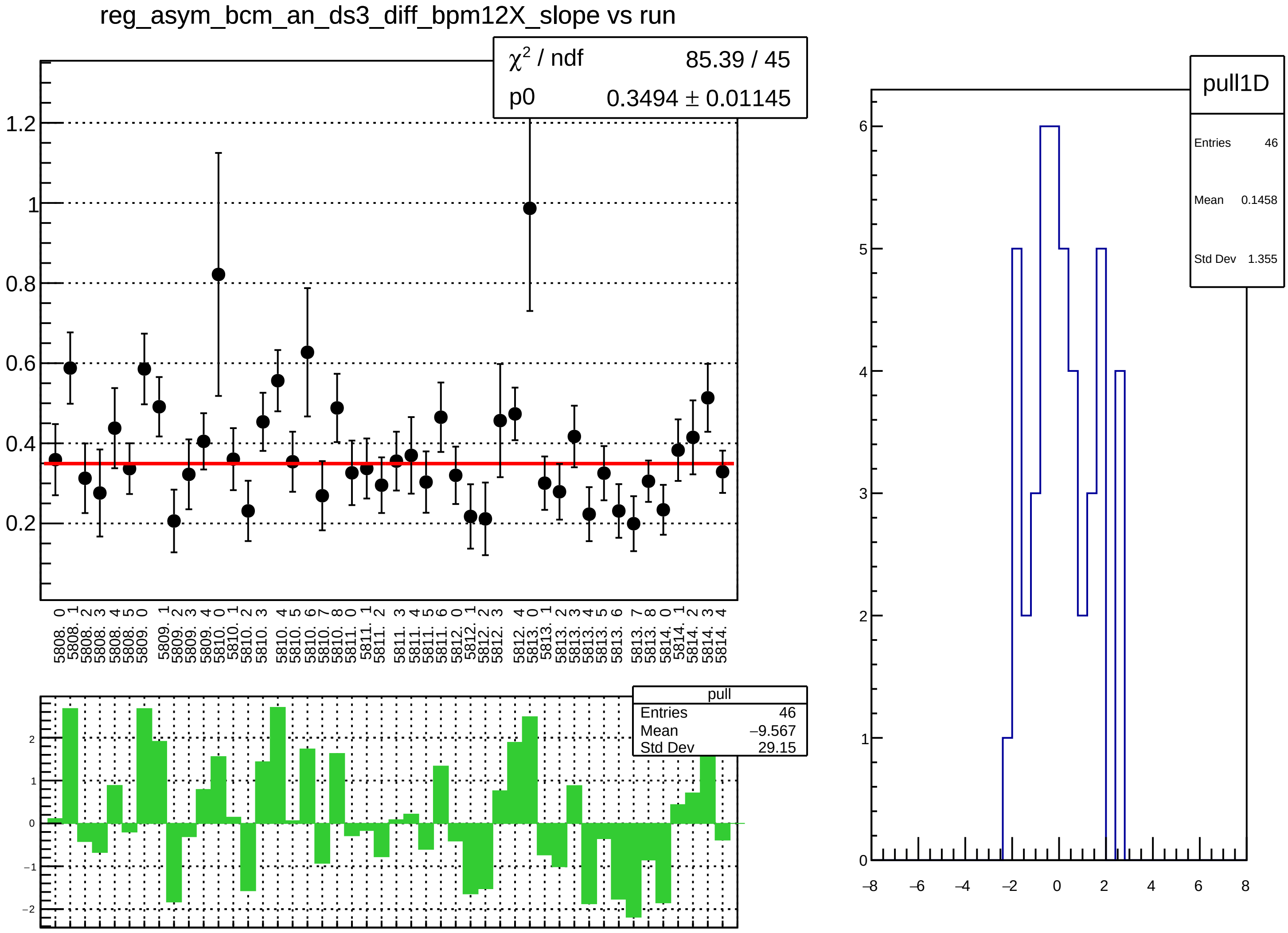
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 98.1 / 45
p0 2.992 ± 0.1755
20
15
10
5
0
5808.0 5808.1 5808.2 5808.3 5808.4 5808.5 5809.0 5809.1 5809.2 5809.3 5809.4 5810.0 5810.1 5810.2 5810.3 5810.4 5810.5 5810.6 5810.7 5810.8 5811.0 5811.1 5811.2 5811.3 5811.4 5811.5 5811.6 5812.0 5812.1 5812.2 5812.3 5812.4 5813.0 5813.1 5813.2 5813.3 5813.4 5813.5 5813.6 5813.7 5813.8 5814.0 5814.1 5814.2 5814.3 5814.4
pull
Entries 46
Mean 37.21
Std Dev 3.936
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.1475
Std Dev 1.453
6
5
4
3
2
1
0
−8 −6 −4 −2 0 2 4 6 8



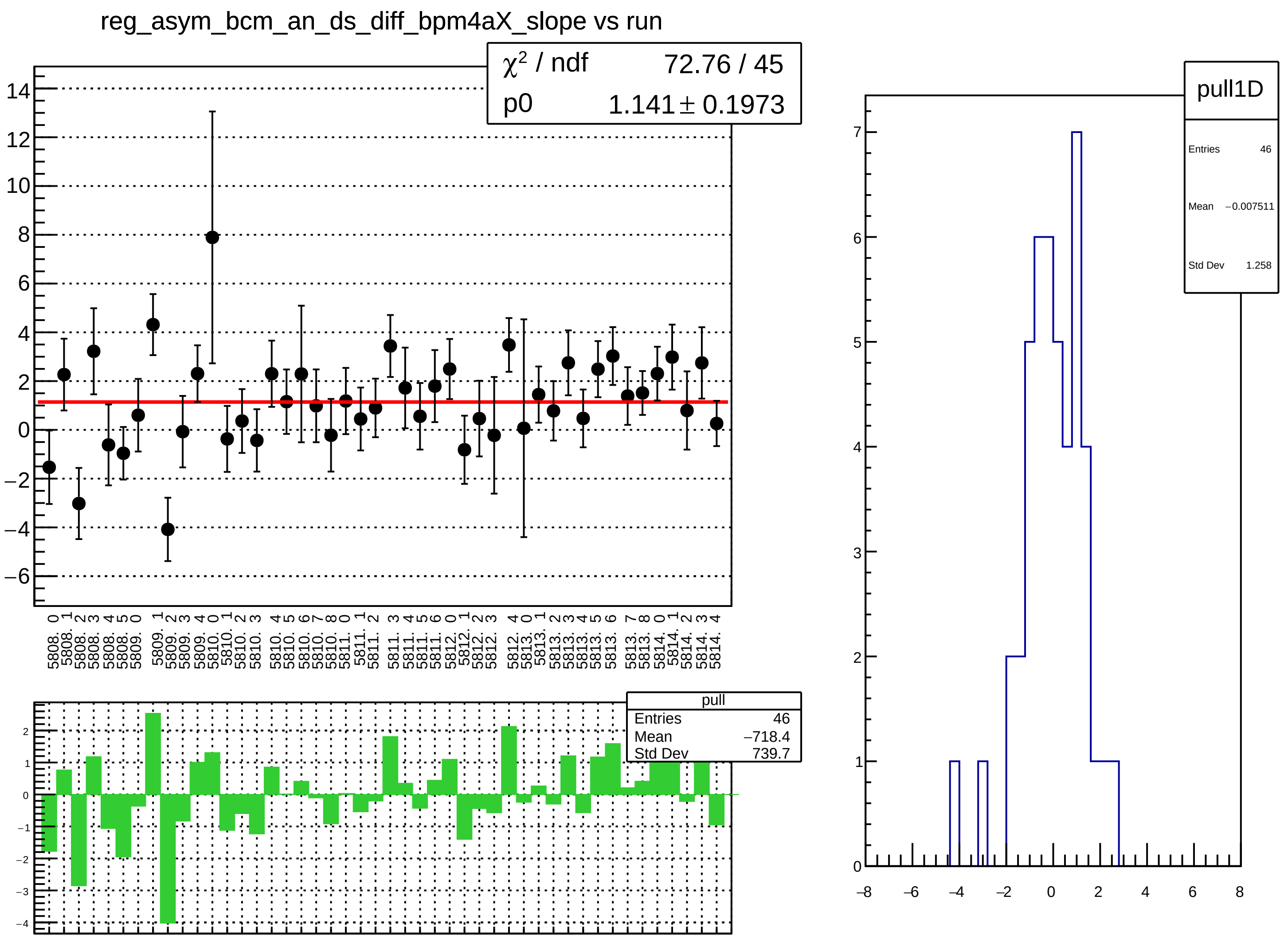
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 77.82 / 45
p0 −0.7314 ± 0.2526
pull
Entries 46
Mean −250.8
Std Dev 271.9
pull1D
Entries 46
Mean 0.02123
Std Dev 1.3



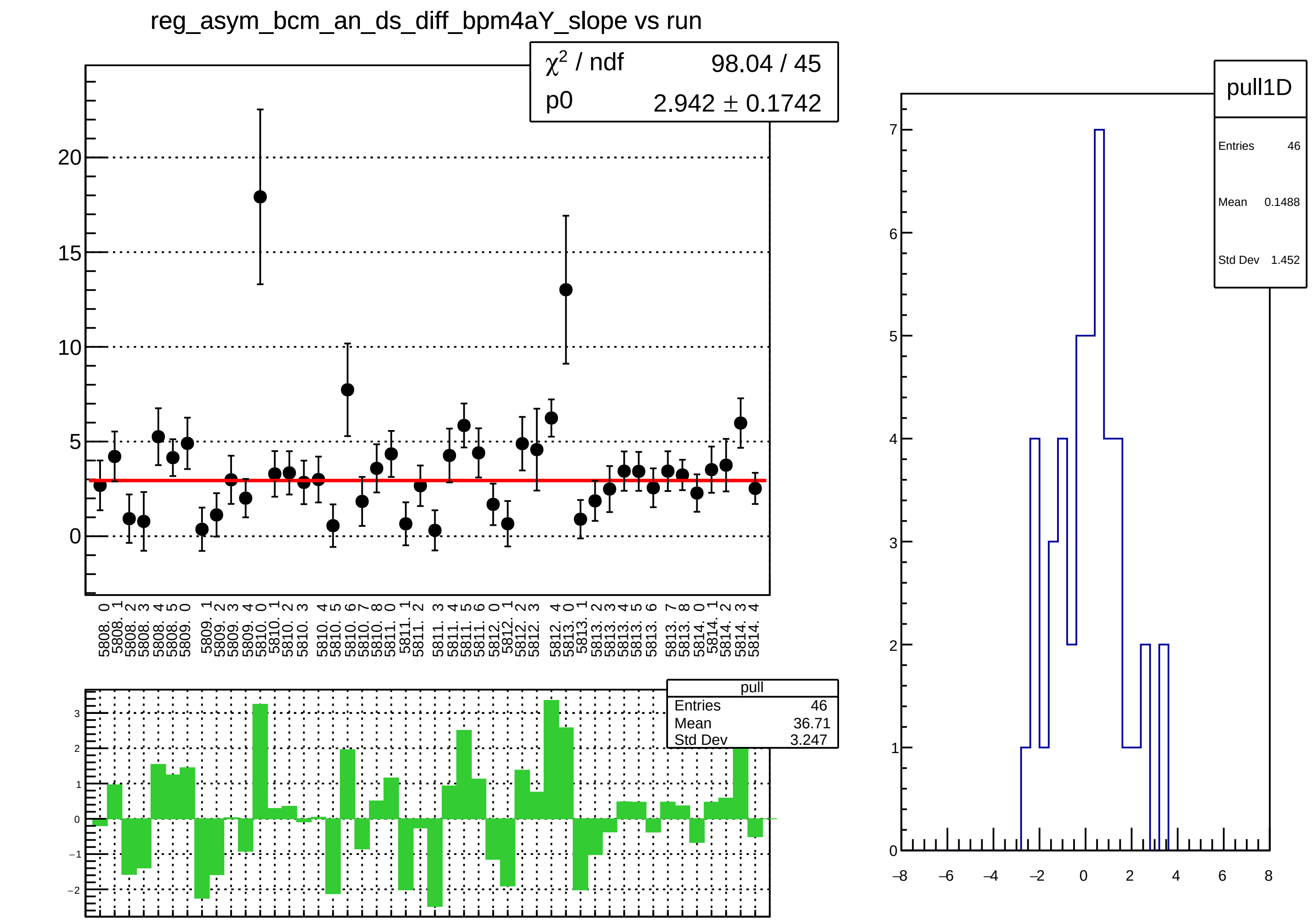
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 105.7 / 45
p0 −3.649 ± 0.1921
pull
Entries 46
Mean 32.49
Std Dev 9.846
pull1D
Entries 46
Mean −0.1585
Std Dev 1.508



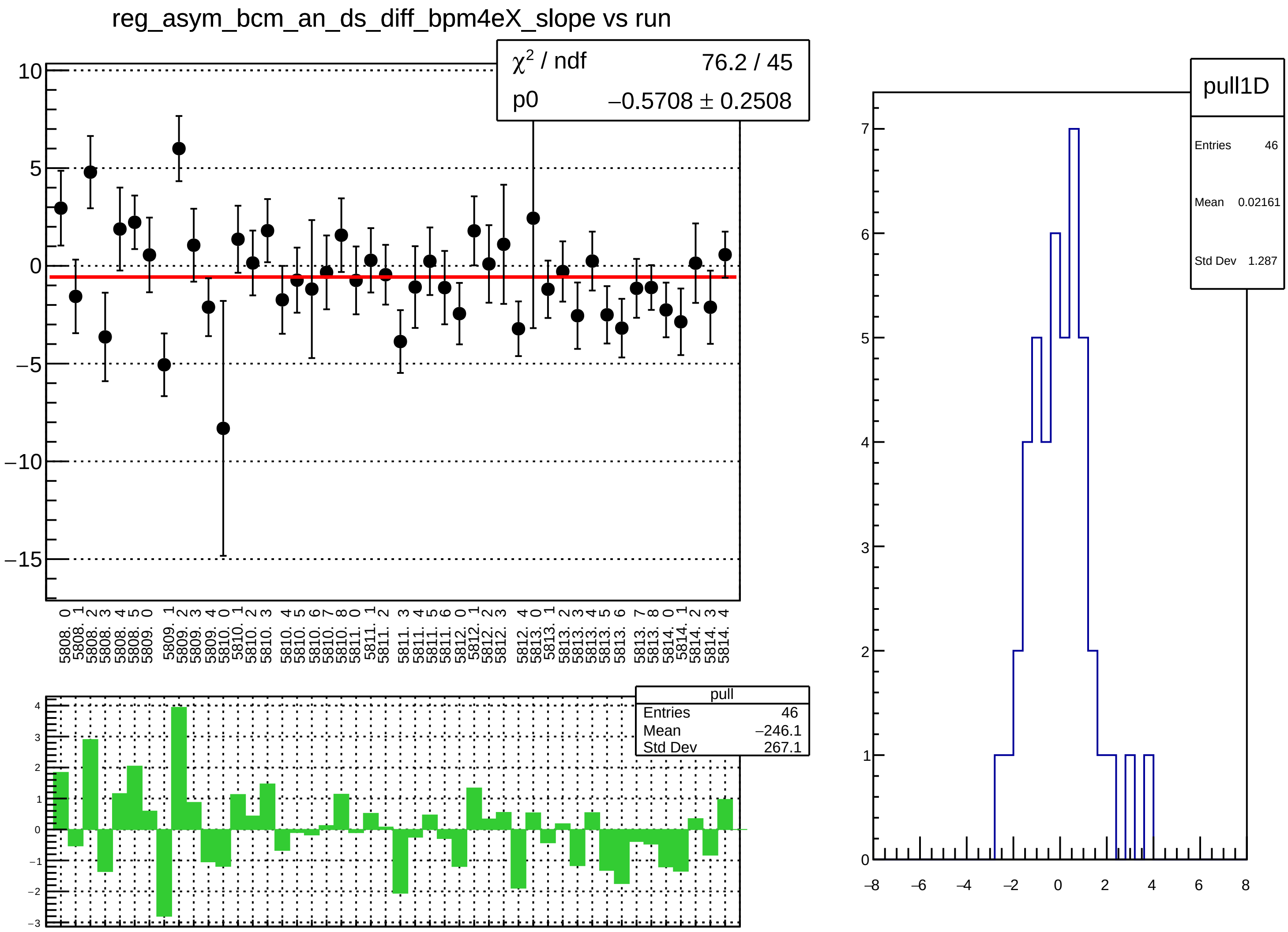
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ2 / ndf 85.39 / 45
p0 0.3494 ± 0.01145
pull
Entries 46
Mean −9.567
Std Dev 29.15
pull1D
Entries 46
Mean 0.1458
Std Dev 1.355



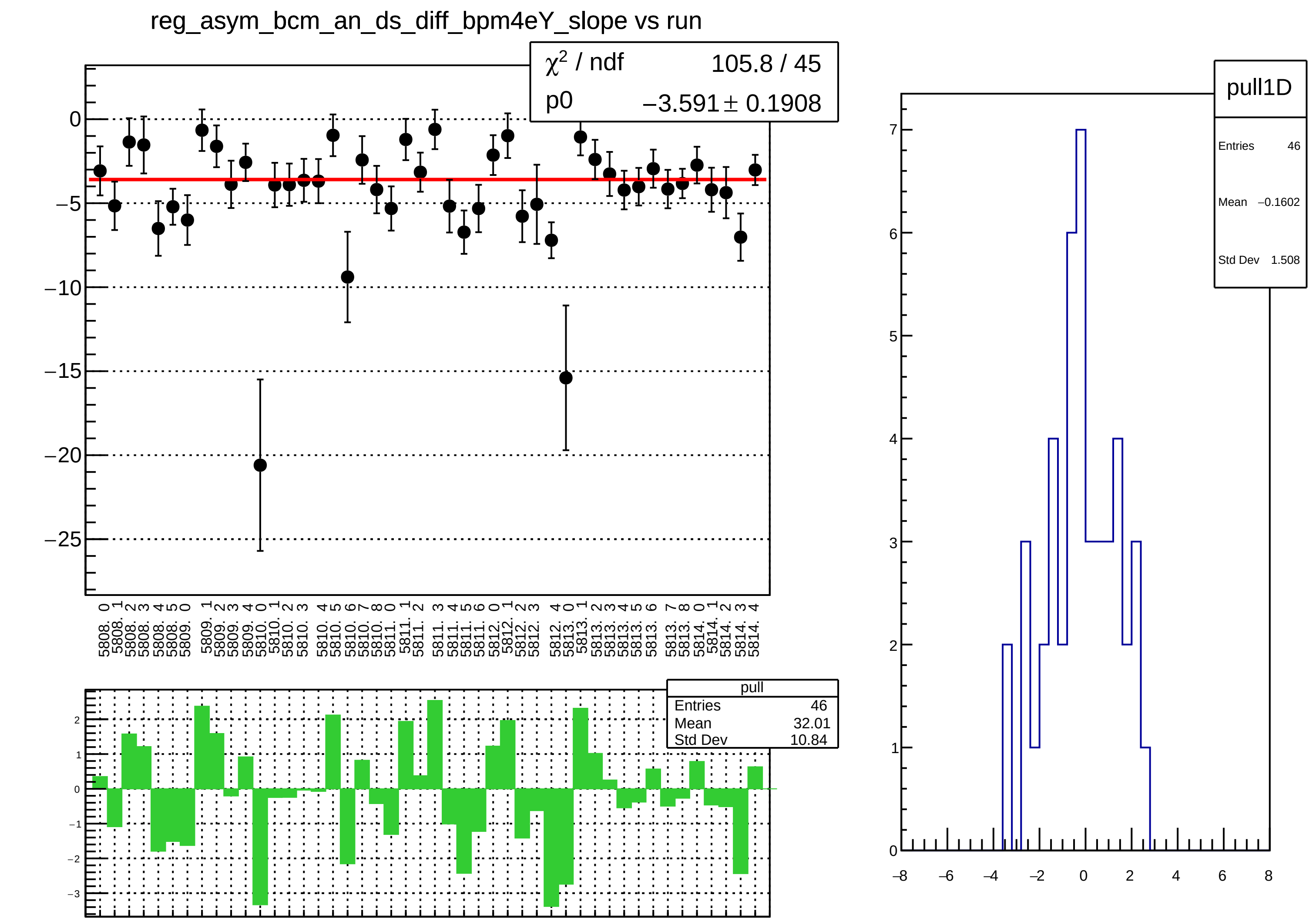
reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 72.76 / 45
p0 1.141 ± 0.1973
pull
Entries 46
Mean −718.4
Std Dev 739.7
pull1D
Entries 46
Mean −0.007511
Std Dev 1.258



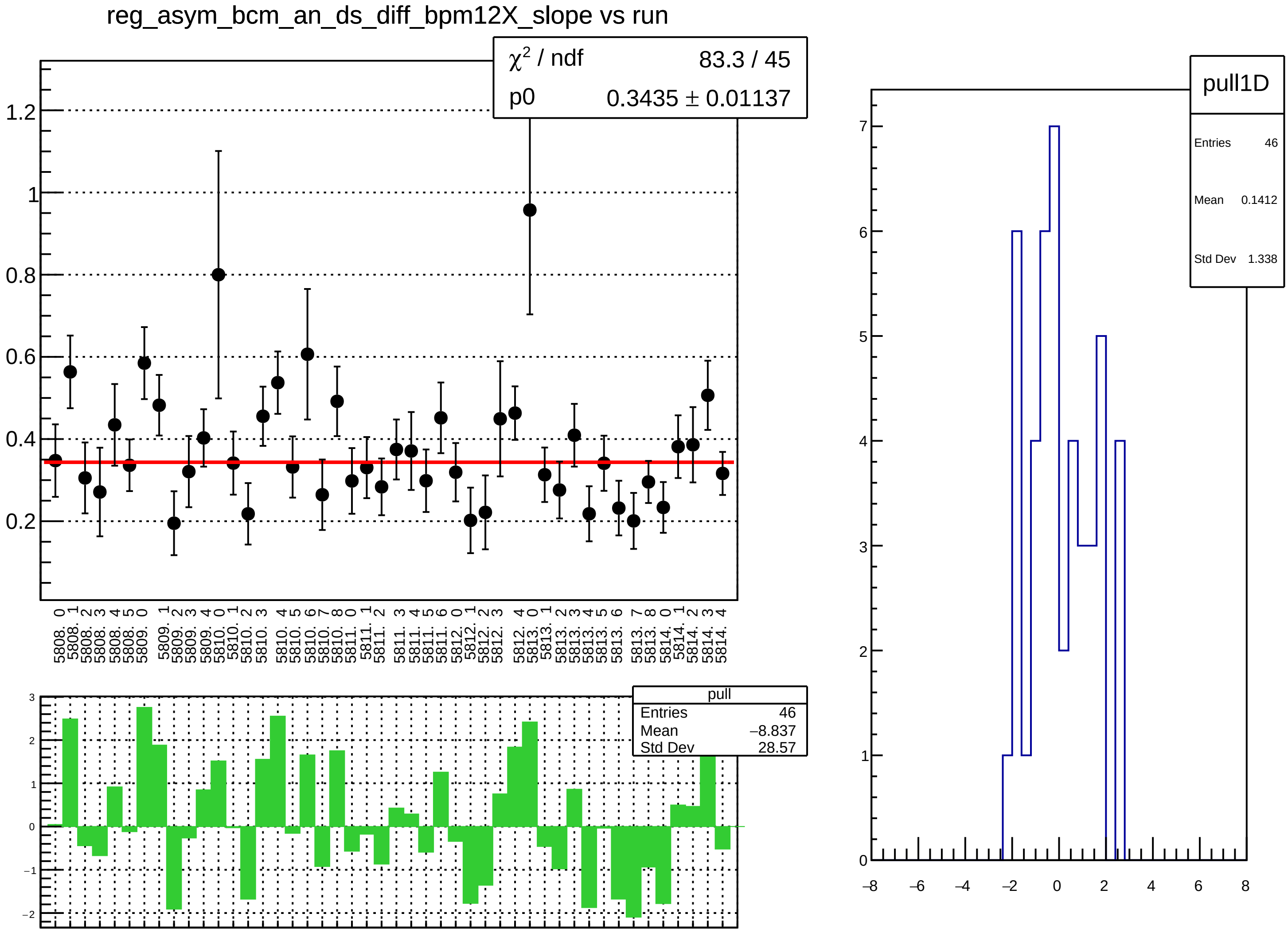
reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 98.04 / 45
p0 2.942 ± 0.1742
20
15
10
5
0
5808.0
5808.1
5808.2
5808.3
5808.4
5808.5
5809.0
5809.1
5809.2
5809.3
5809.4
5810.0
5810.1
5810.2
5810.3
5810.4
5810.5
5810.6
5810.7
5810.8
5811.0
5811.1
5811.2
5811.3
5811.4
5811.5
5811.6
5812.0
5812.1
5812.2
5812.3
5812.4
5813.0
5813.1
5813.2
5813.3
5813.4
5813.5
5813.6
5813.7
5813.8
5814.0
5814.1
5814.2
5814.3
5814.4
pull
Entries 46
Mean 36.71
Std Dev 3.247
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.1488
Std Dev 1.452
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



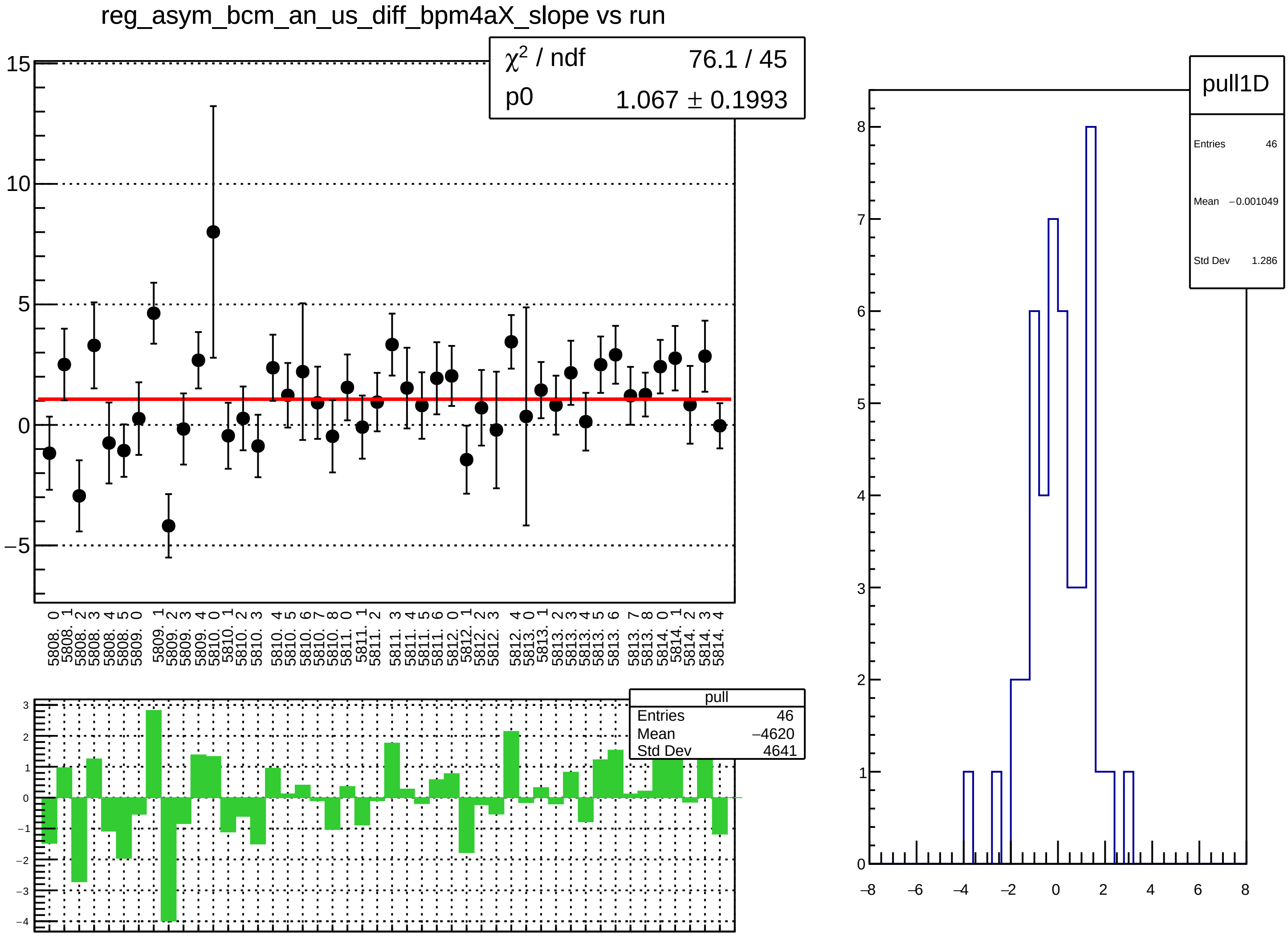
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 76.2 / 45
p0 −0.5708 ± 0.2508
pull
Entries 46
Mean −246.1
Std Dev 267.1
pull1D
Entries 46
Mean 0.02161
Std Dev 1.287



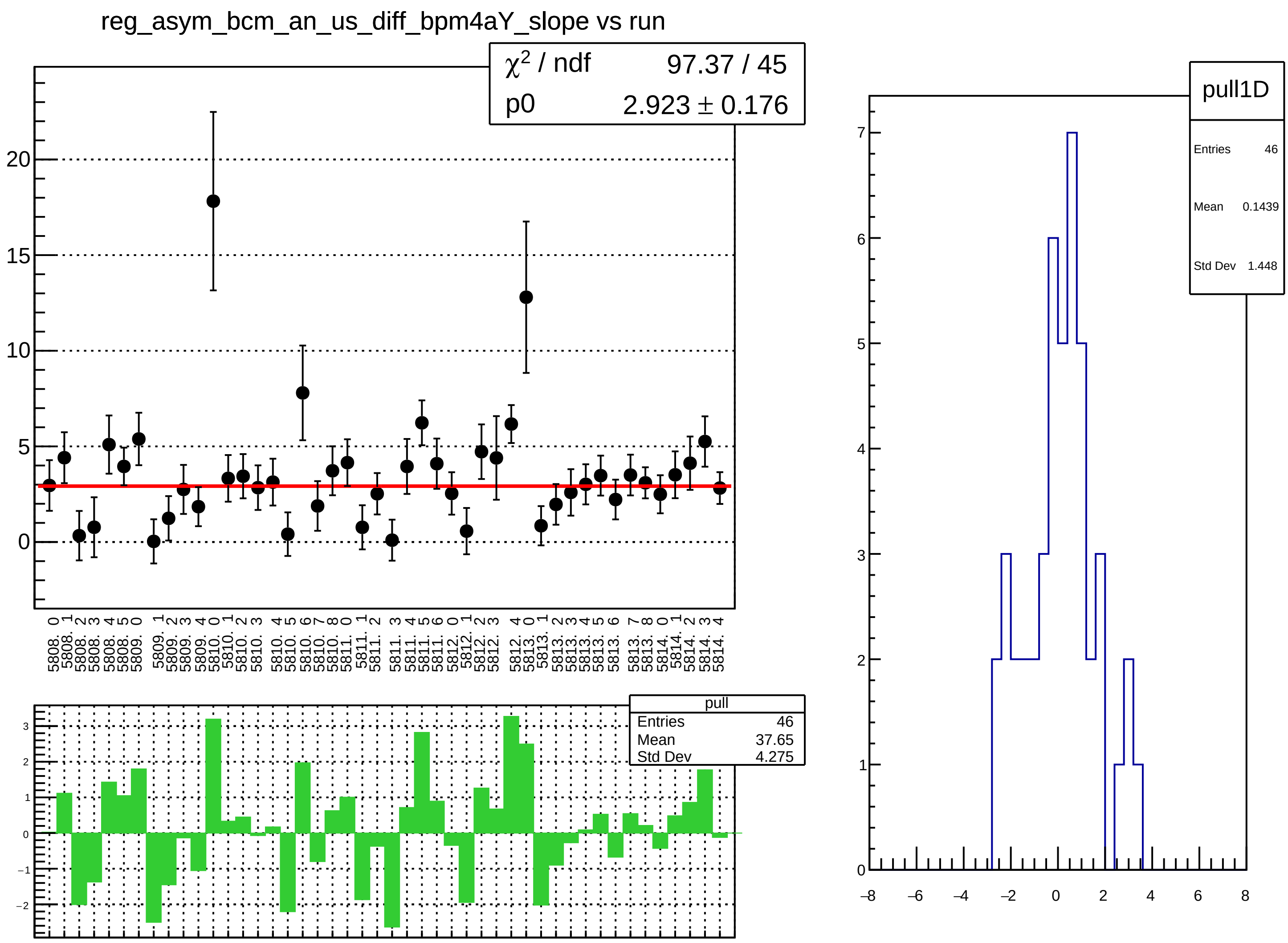
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ2 / ndf 105.8 / 45
p0 −3.591 ± 0.1908
pull
Entries 46
Mean 32.01
Std Dev 10.84
pull1D
Entries 46
Mean −0.1602
Std Dev 1.508



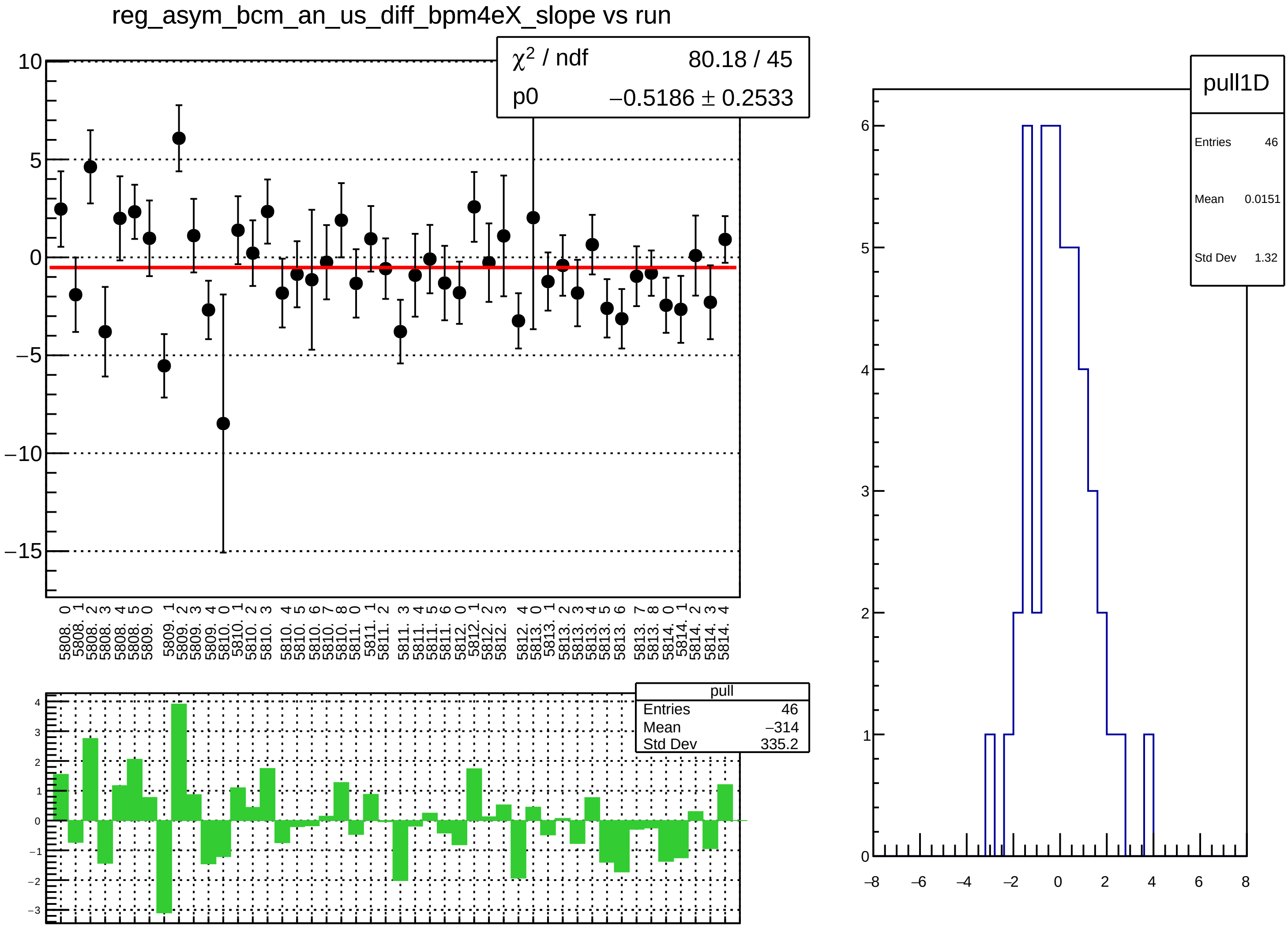
reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ2 / ndf 83.3 / 45
p0 0.3435 ± 0.01137
pull
Entries 46
Mean −8.837
Std Dev 28.57
pull1D
Entries 46
Mean 0.1412
Std Dev 1.338

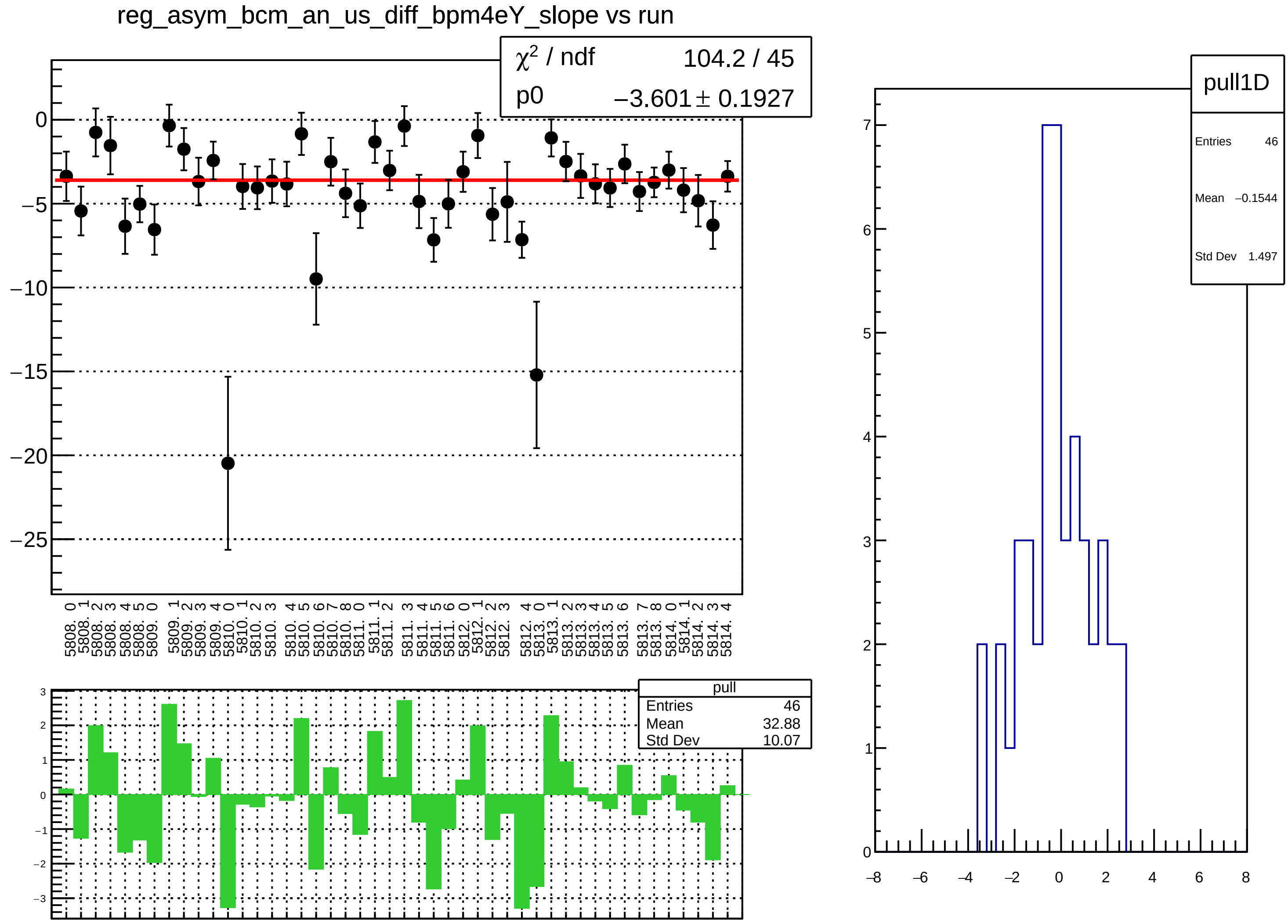


reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ2 / ndf 76.1 / 45
p0 1.067 ± 0.1993
pull
Entries 46
Mean −4620
Std Dev 4641
pull1D
Entries 46
Mean −0.001049
Std Dev 1.286

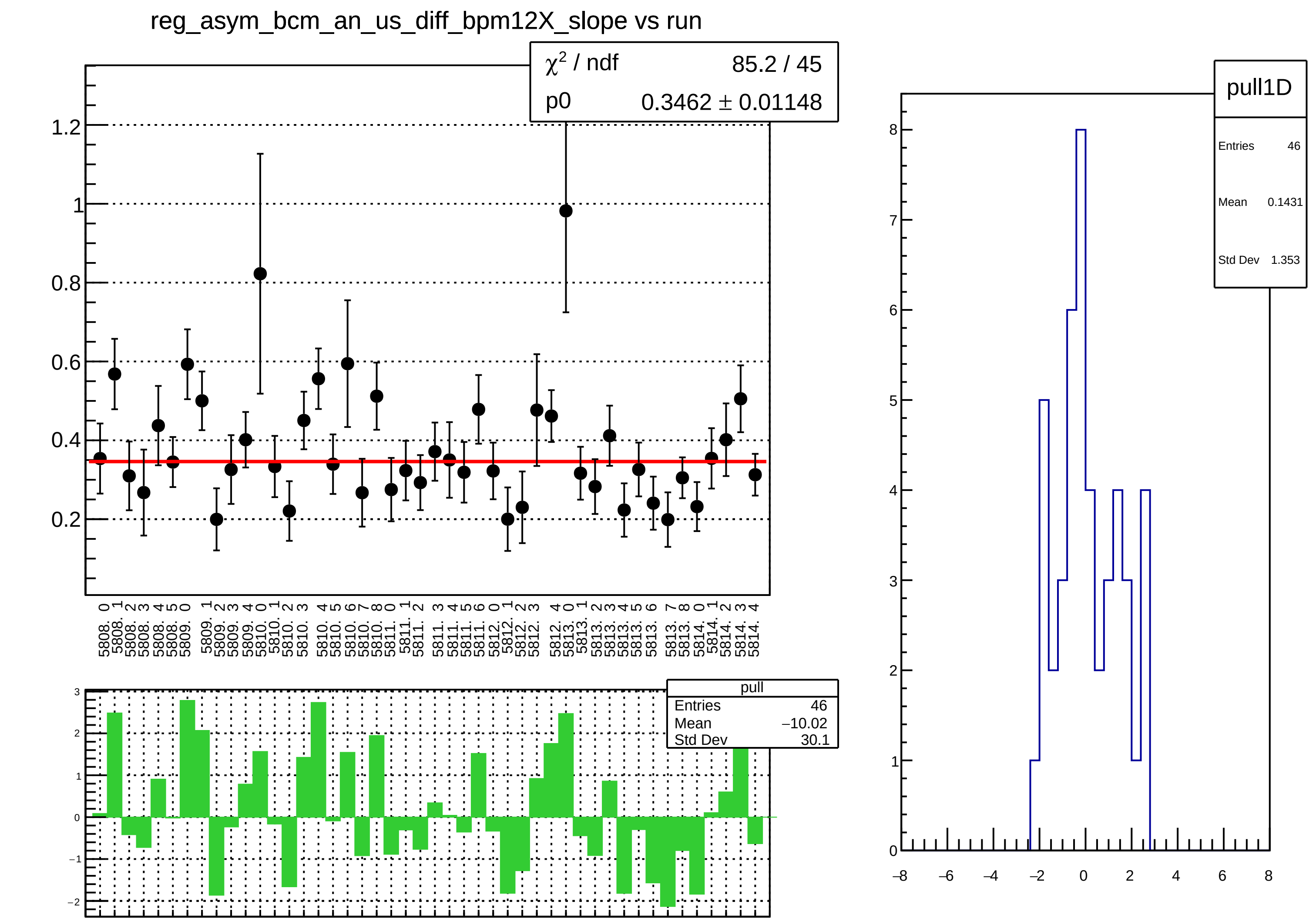


reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 97.37 / 45
p0 2.923 ± 0.176
pull
Entries 46
Mean 37.65
Std Dev 4.275
pull1D
Entries 46
Mean 0.1439
Std Dev 1.448

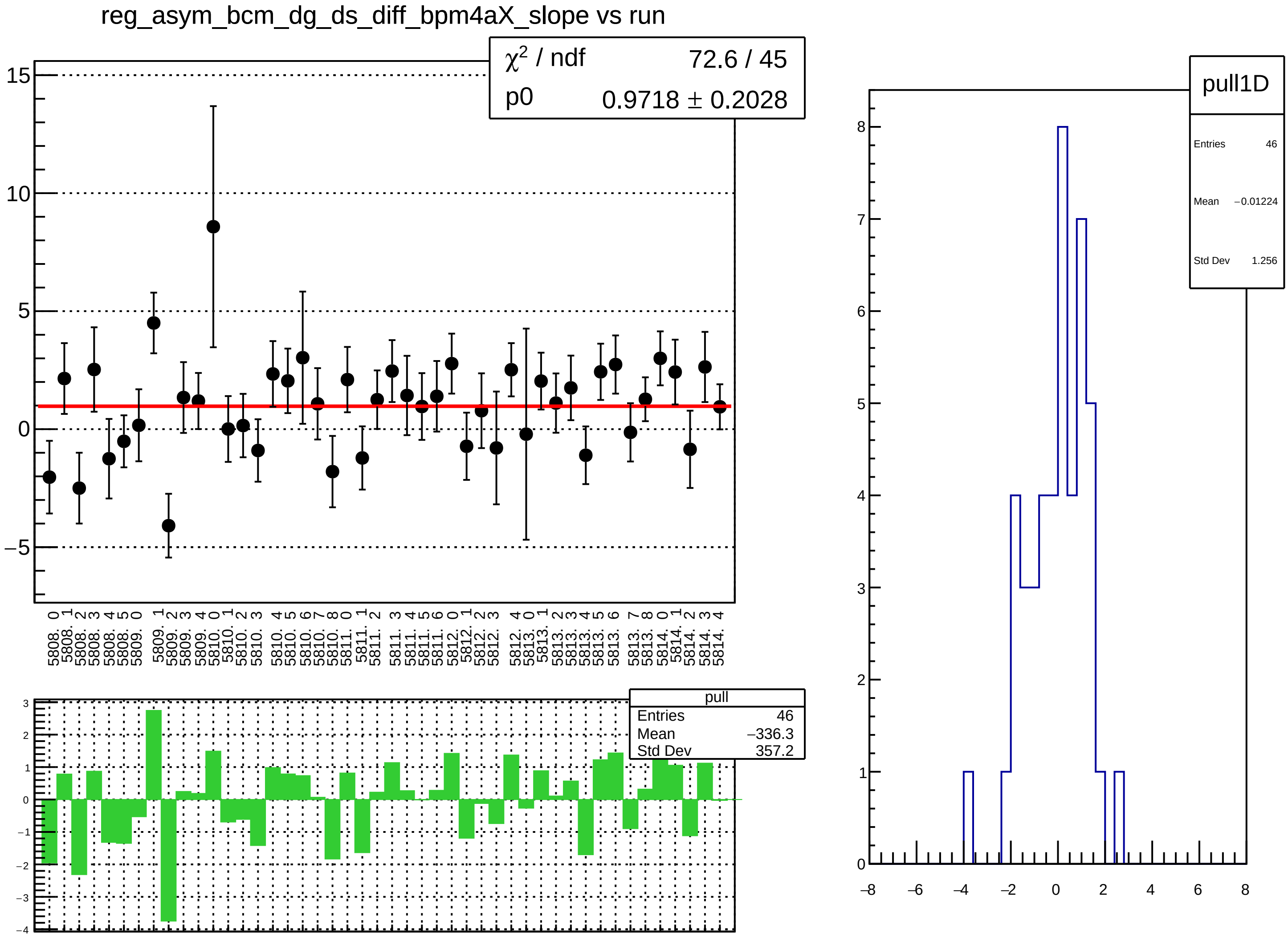

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 80.18 / 45
p0 −0.5186 ± 0.2533
pull
Entries 46
Mean −314
Std Dev 335.2
pull1D
Entries 46
Mean 0.0151
Std Dev 1.32

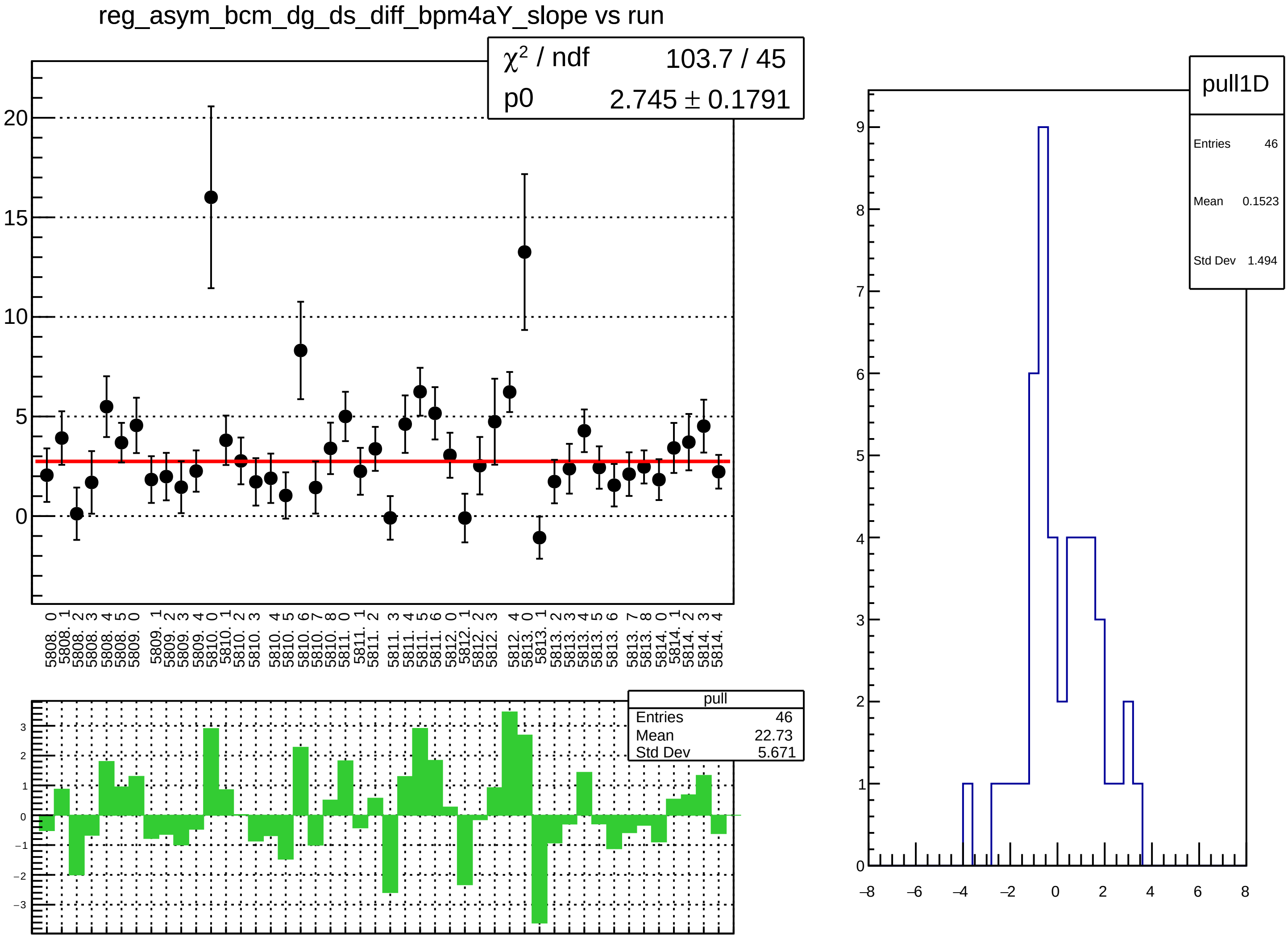


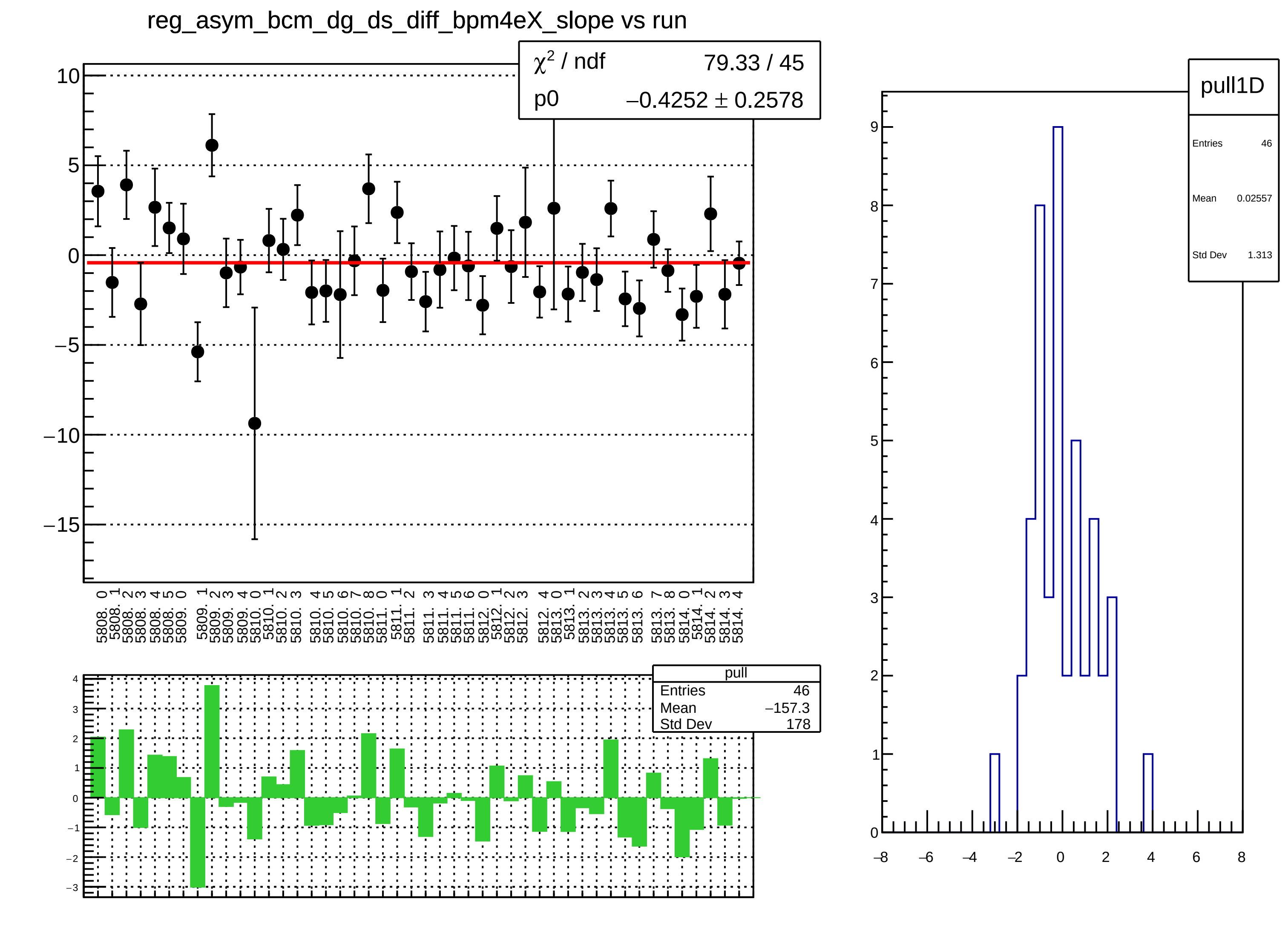
reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ^2 / ndf 104.2 / 45
p0 −3.601 ± 0.1927
pull
Entries 46
Mean 32.88
Std Dev 10.07
pull1D
Entries 46
Mean −0.1544
Std Dev 1.497



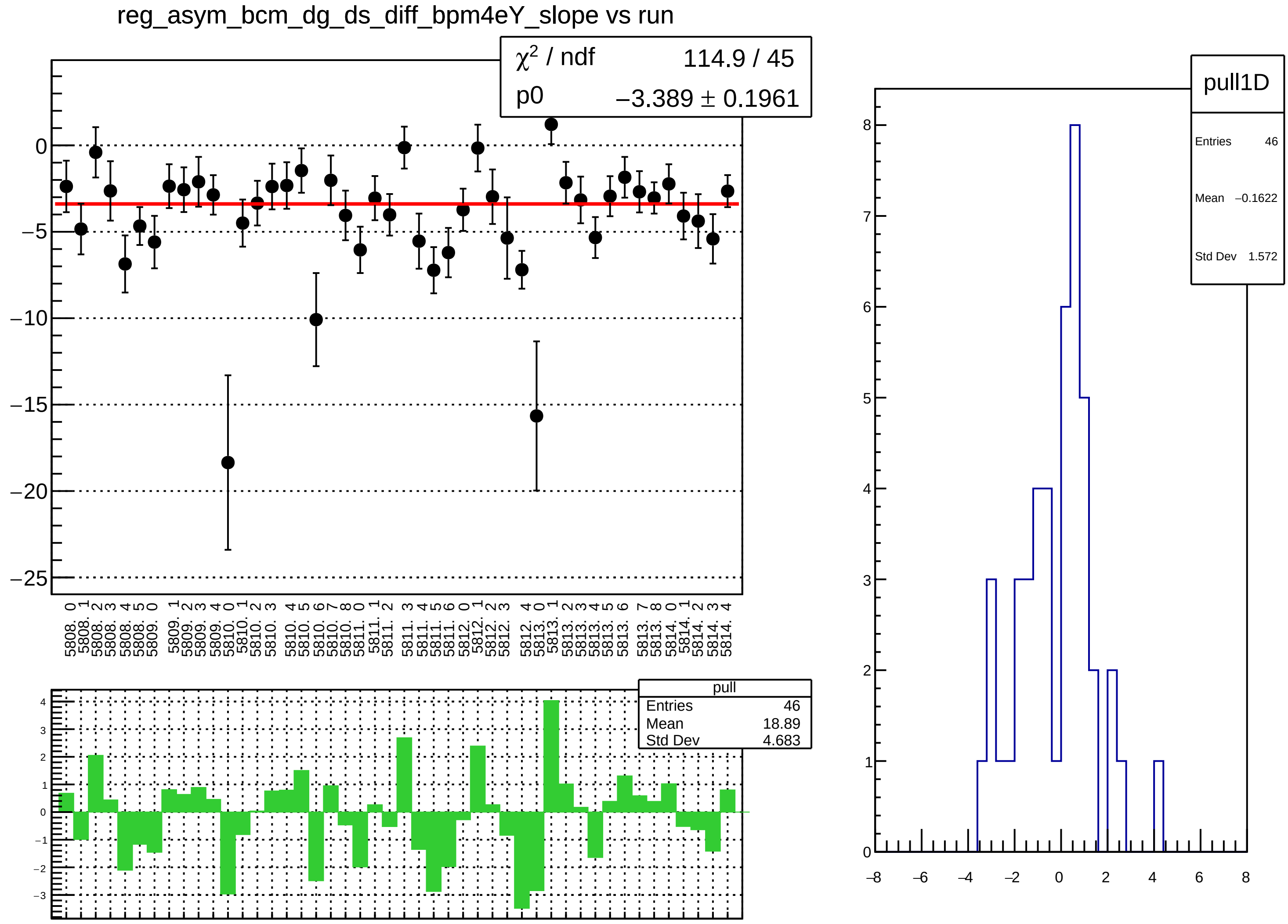
reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 85.2 / 45
p0 0.3462 ± 0.01148
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean −10.02
Std Dev 30.1
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.1431
Std Dev 1.353
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 72.6 / 45
p0 0.9718 ± 0.2028
pull
Entries 46
Mean −336.3
Std Dev 357.2
pull1D
Entries 46
Mean −0.01224
Std Dev 1.256

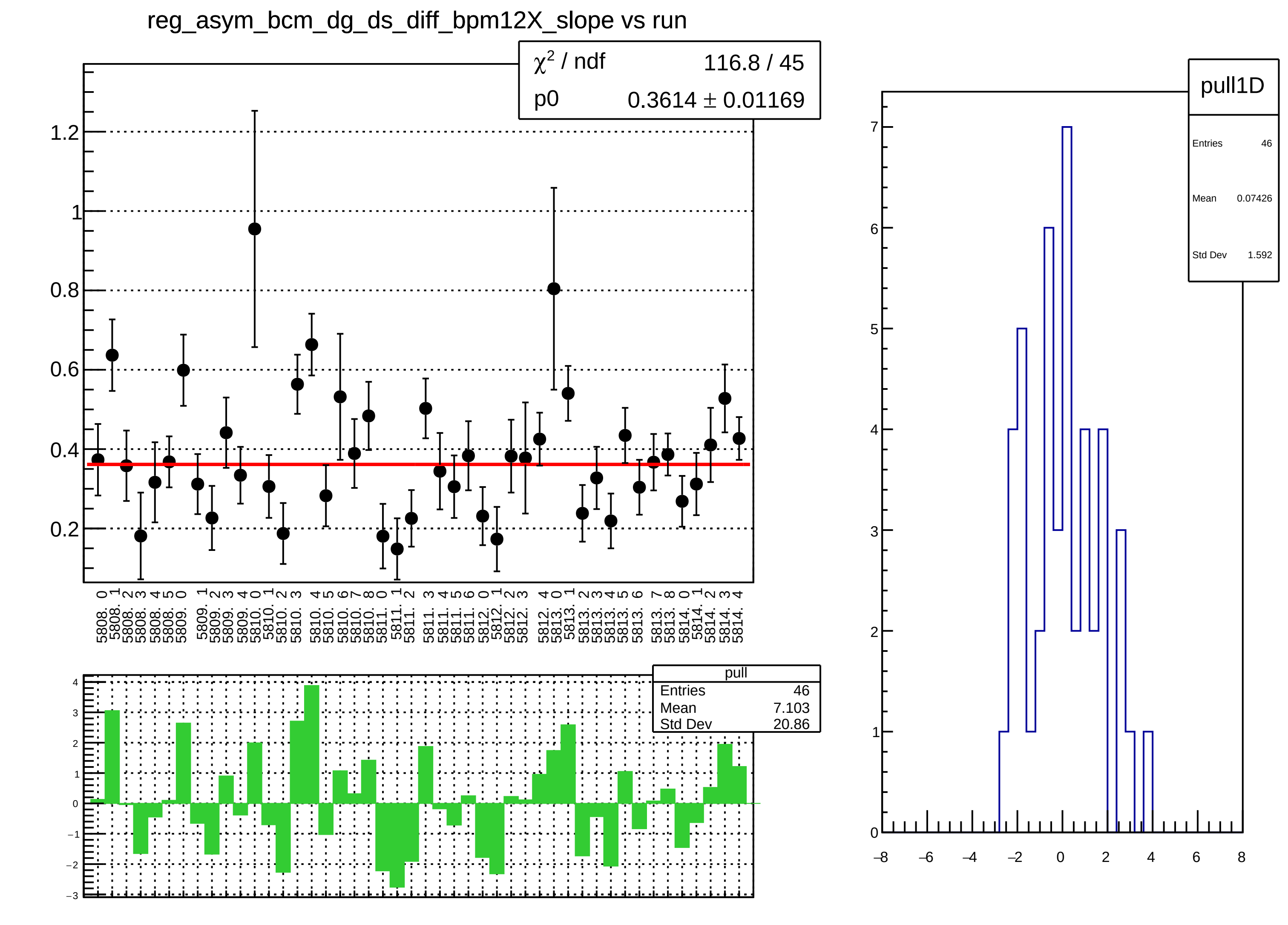

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 103.7 / 45
p0 2.745 ± 0.1791
pull
Entries 46
Mean 22.73
Std Dev 5.671
pull1D
Entries 46
Mean 0.1523
Std Dev 1.494



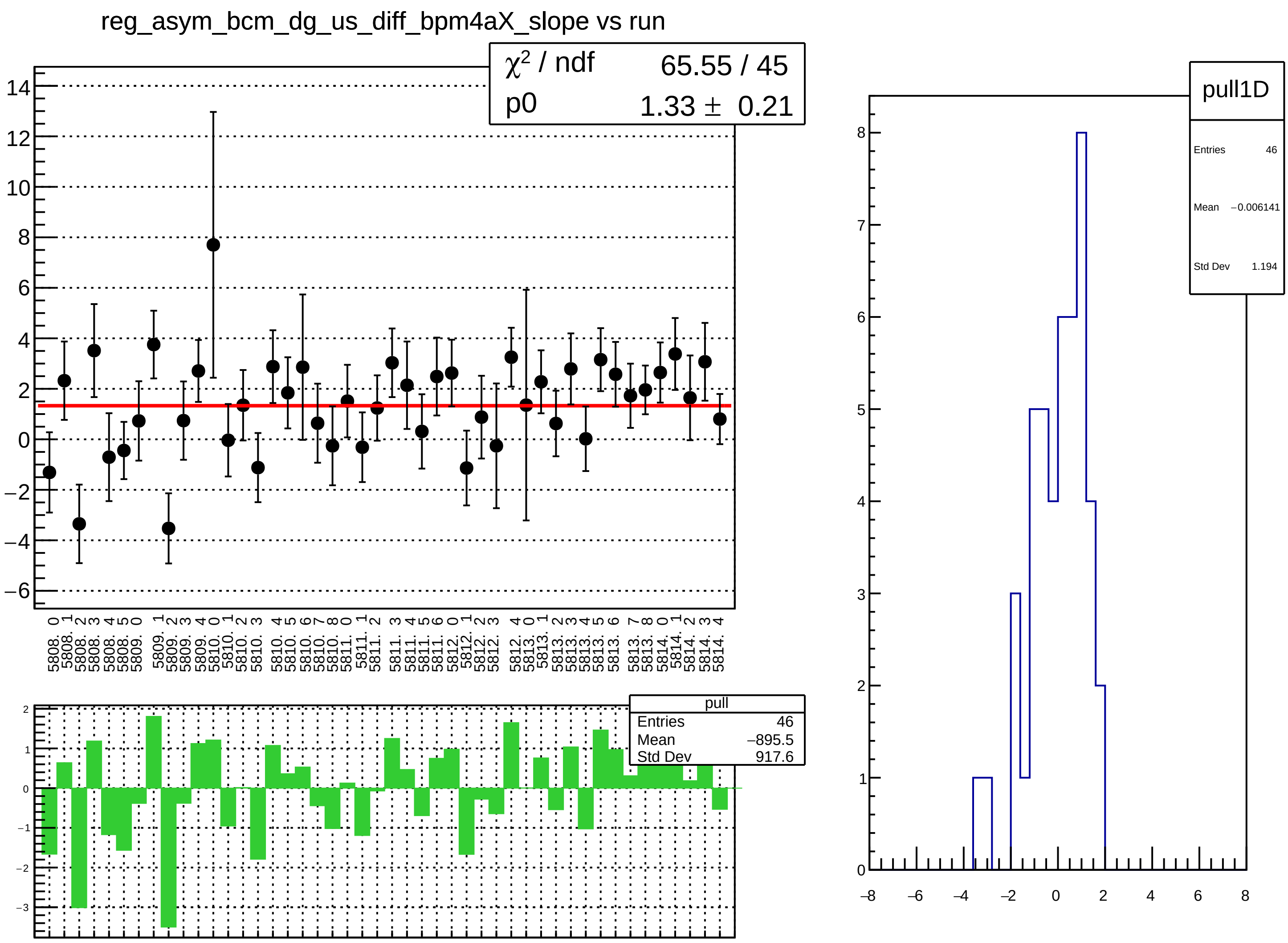
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 79.33 / 45
p0 −0.4252 ± 0.2578
pull
Entries 46
Mean −157.3
Std Dev 178
pull1D
Entries 46
Mean 0.02557
Std Dev 1.313



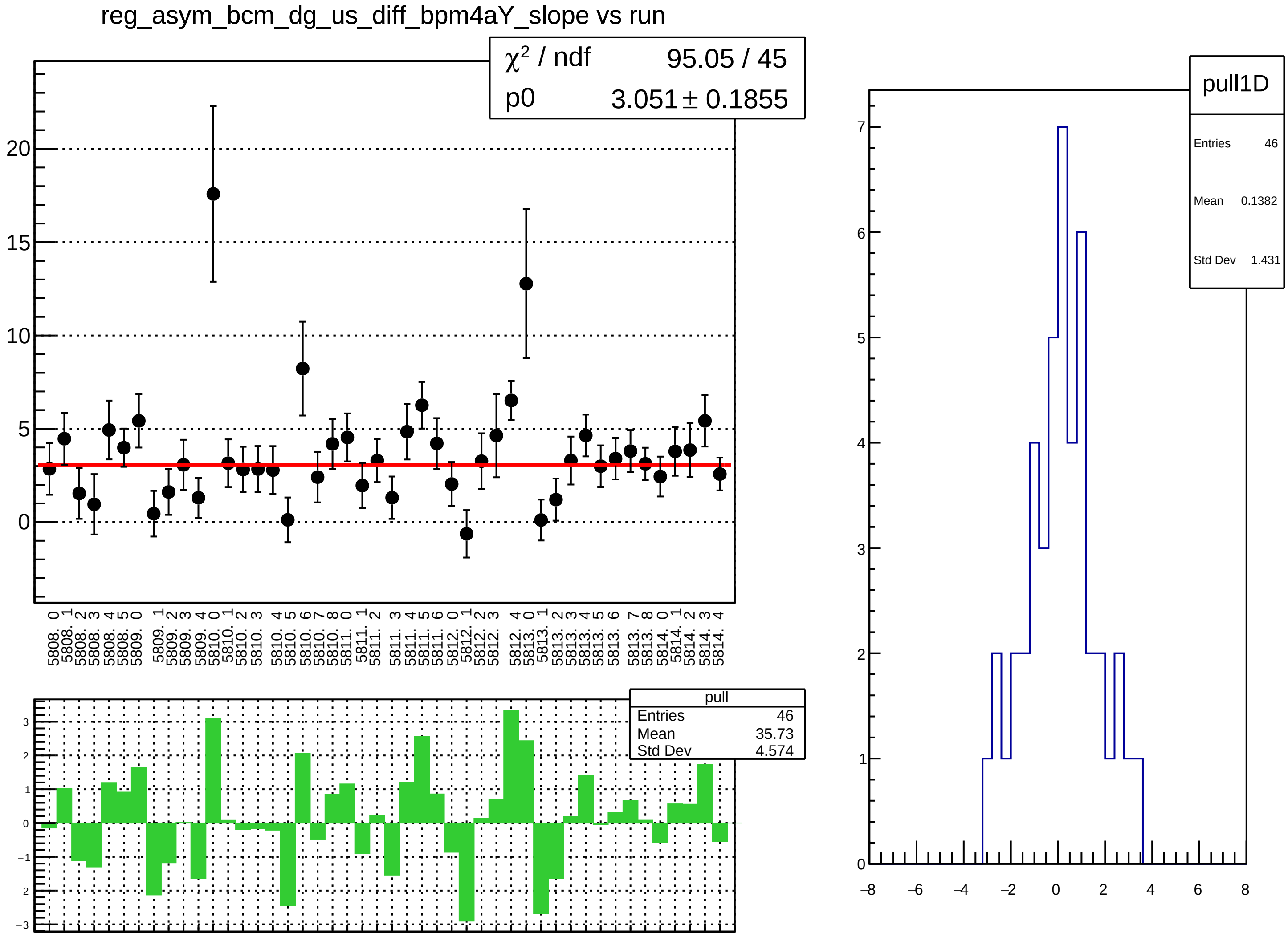
reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 114.9 / 45
p0 −3.389 ± 0.1961
pull
Entries 46
Mean 18.89
Std Dev 4.683
pull1D
Entries 46
Mean −0.1622
Std Dev 1.572



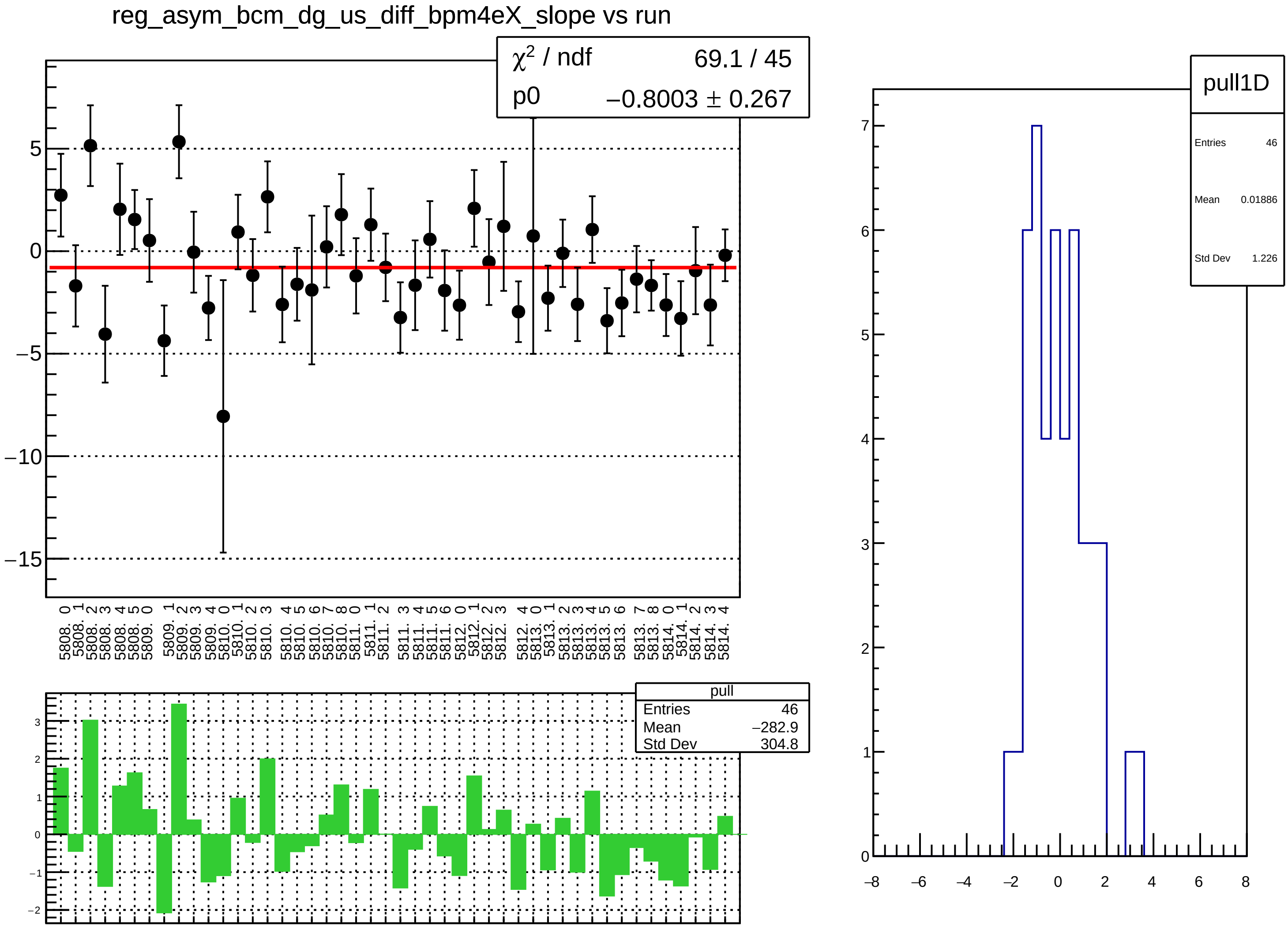
reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 116.8 / 45
p0 0.3614 ± 0.01169
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
pull
Entries 46
Mean 7.103
Std Dev 20.86
4
3
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.07426
Std Dev 1.592
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



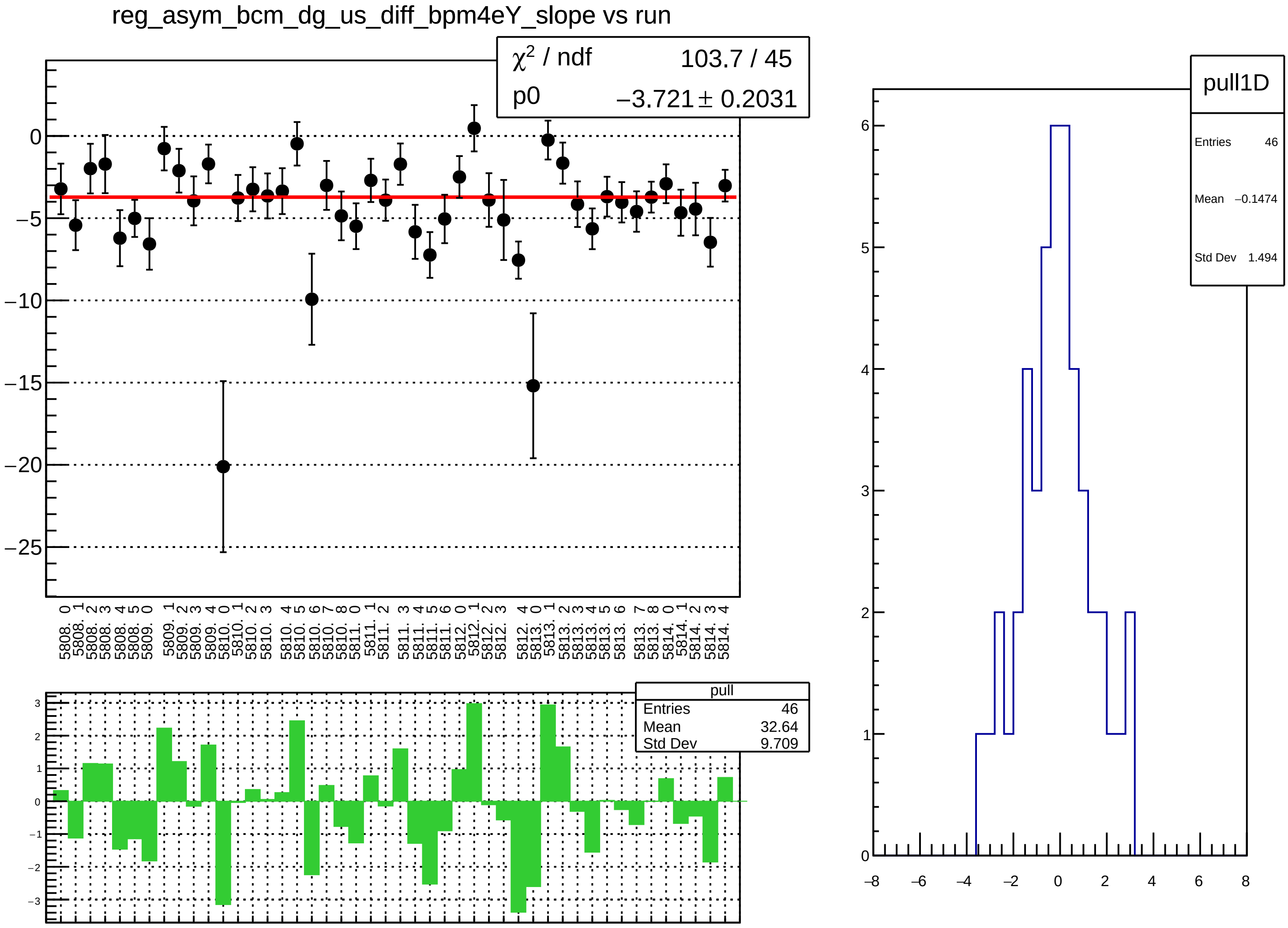
reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ^2 / ndf 65.55 / 45
p0 1.33 ± 0.21
pull
Entries 46
Mean −895.5
Std Dev 917.6
pull1D
Entries 46
Mean −0.006141
Std Dev 1.194



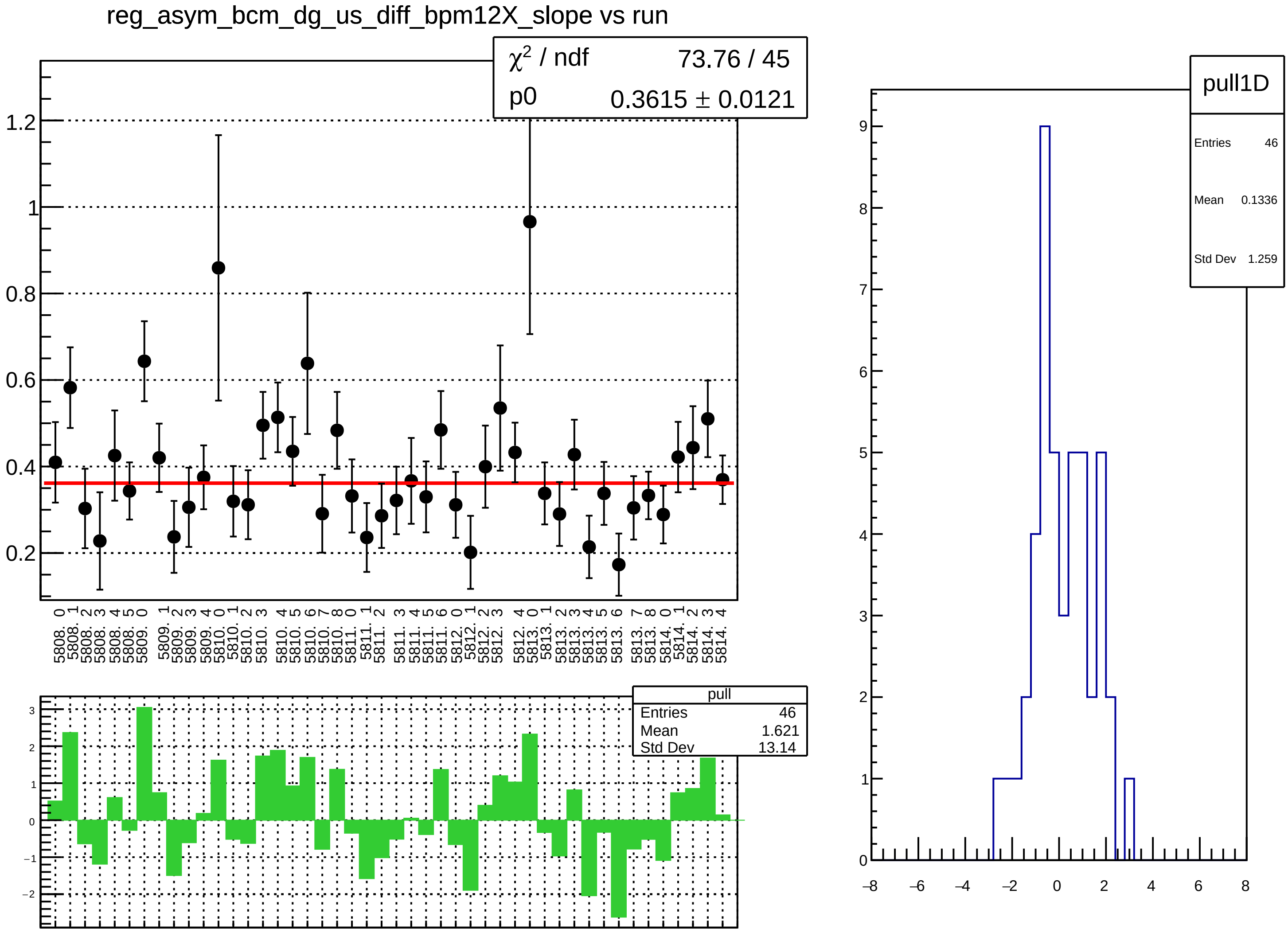
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 95.05 / 45
p0 3.051 ± 0.1855
pull
Entries 46
Mean 35.73
Std Dev 4.574
pull1D
Entries 46
Mean 0.1382
Std Dev 1.431



reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ^2 / ndf 69.1 / 45
p0 −0.8003 ± 0.267
pull
Entries 46
Mean −282.9
Std Dev 304.8
pull1D
Entries 46
Mean 0.01886
Std Dev 1.226



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ^2 / ndf 103.7 / 45
p0 −3.721 ± 0.2031
pull
Entries 46
Mean 32.64
Std Dev 9.709
pull1D
Entries 46
Mean −0.1474
Std Dev 1.494


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ^2 / ndf 73.76 / 45
p0 0.3615 ± 0.0121
pull
Entries 46
Mean 1.621
Std Dev 13.14
pull1D
Entries 46
Mean 0.1336
Std Dev 1.259