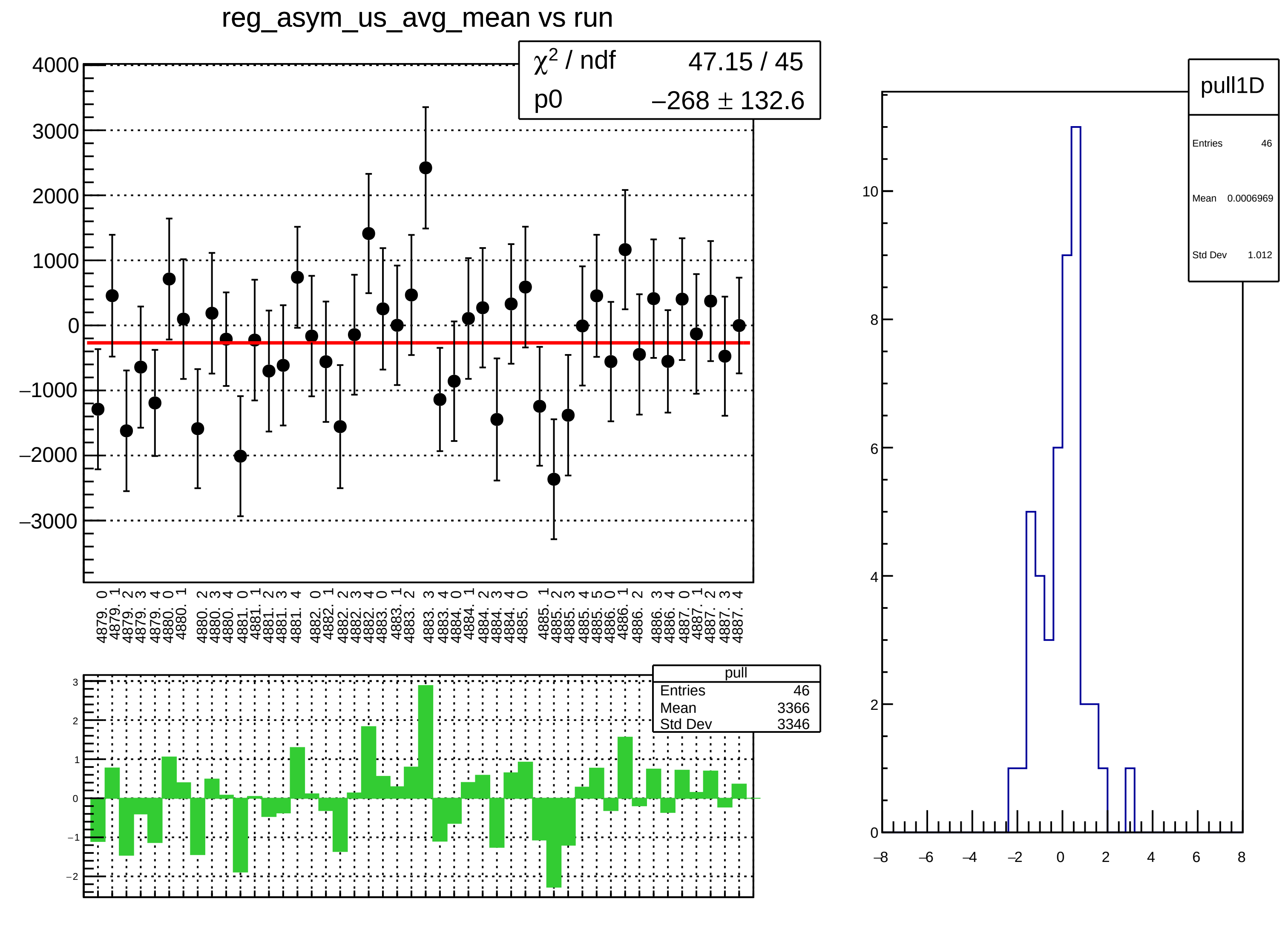
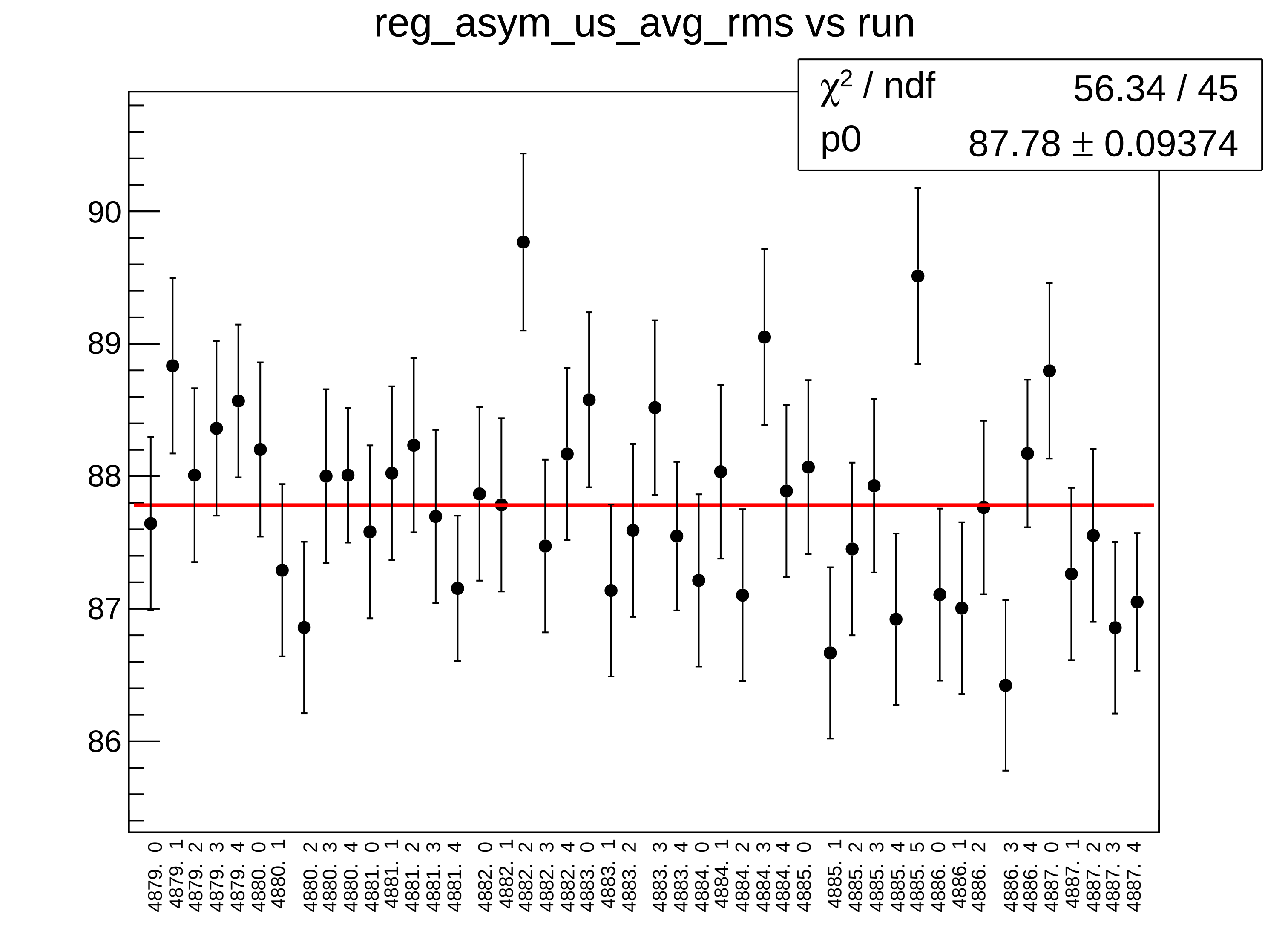


reg_asym_us_avg_mean vs run
χ^2 / ndf 47.15 / 45
p0 −268 ± 132.6
pull
Entries 46
Mean 3366
Std Dev 3346
pull1D
Entries 46
Mean 0.0006969
Std Dev 1.012



reg_asym_us_avg_rms vs run
χ^2 / ndf 56.34 / 45
p0 87.78 ± 0.09374
90
89
88
87
86
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
4887. 0
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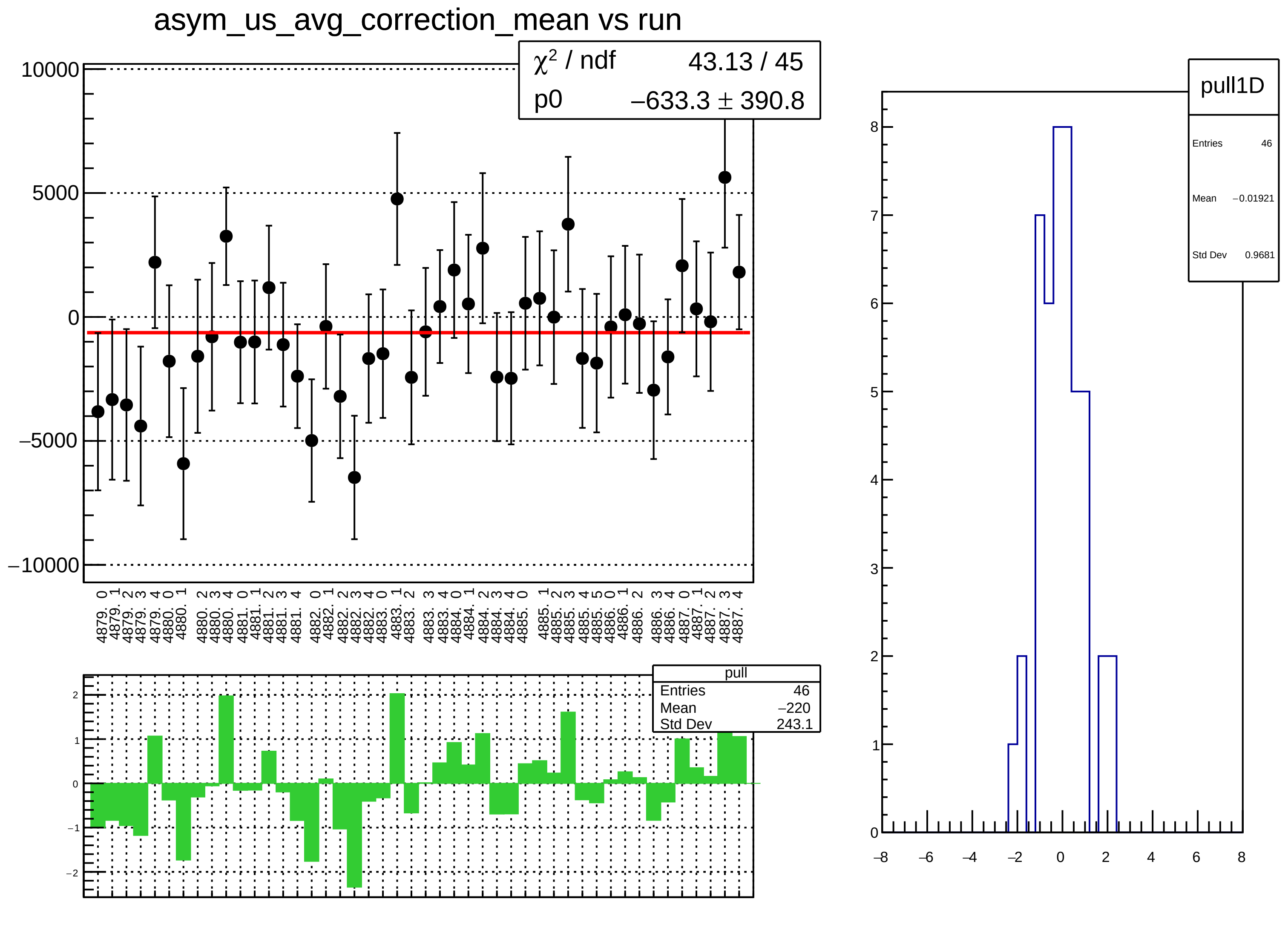
4887. 2
4887. 3
4887. 4


asym_us_avg_correction_mean vs run
χ2 / ndf 43.13 / 45
p0 −633.3 ± 390.8
10000
5000
0
−5000
−10000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −220
Std Dev 243.1
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.01921
Std Dev 0.9681
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
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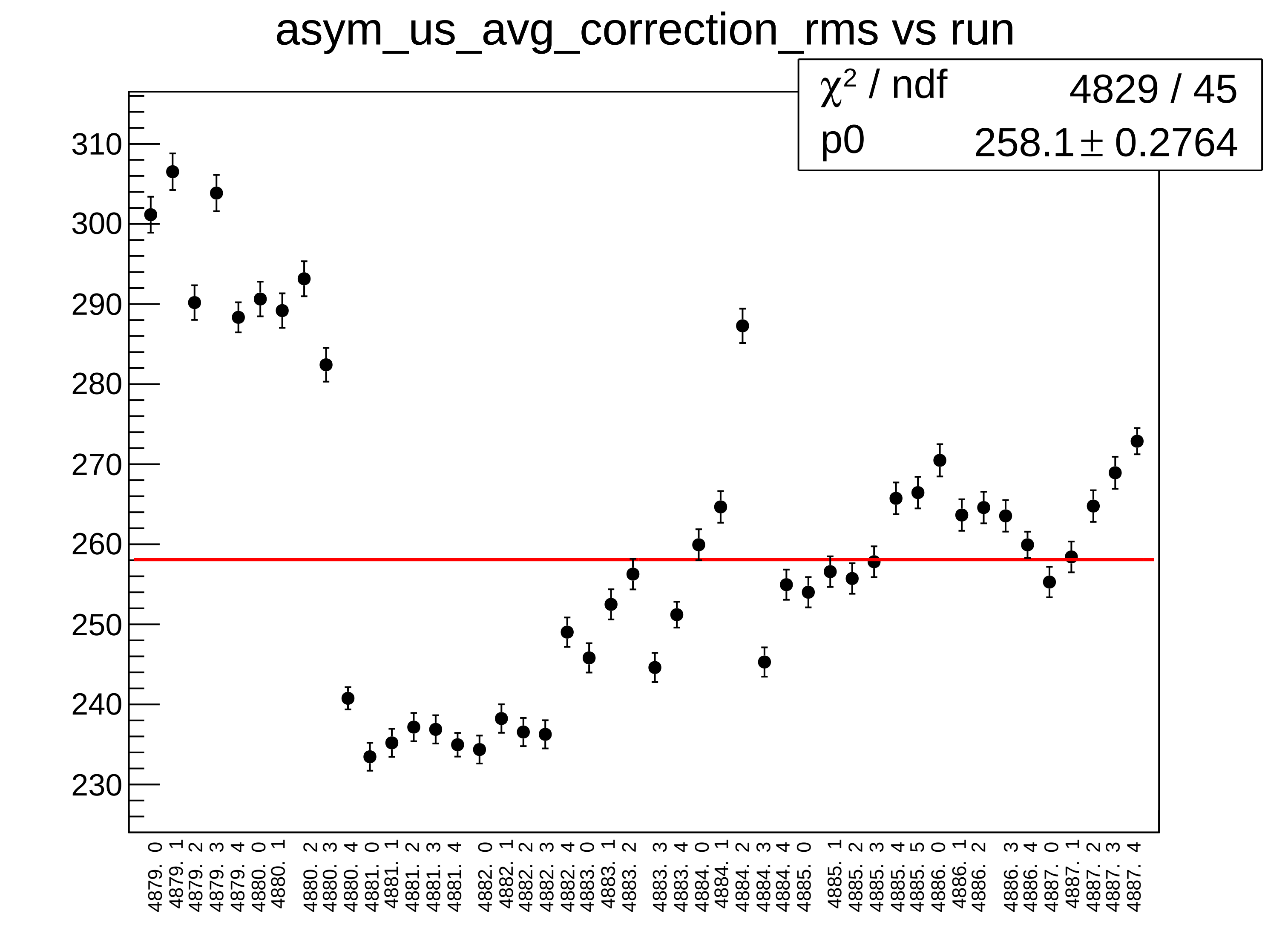
4
6
8


asym_us_avg_correction_rms vs run
χ2 / ndf 4829 / 45
p0 258.1 ± 0.2764
310
300
290
280
270
260
250
240
230
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
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4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
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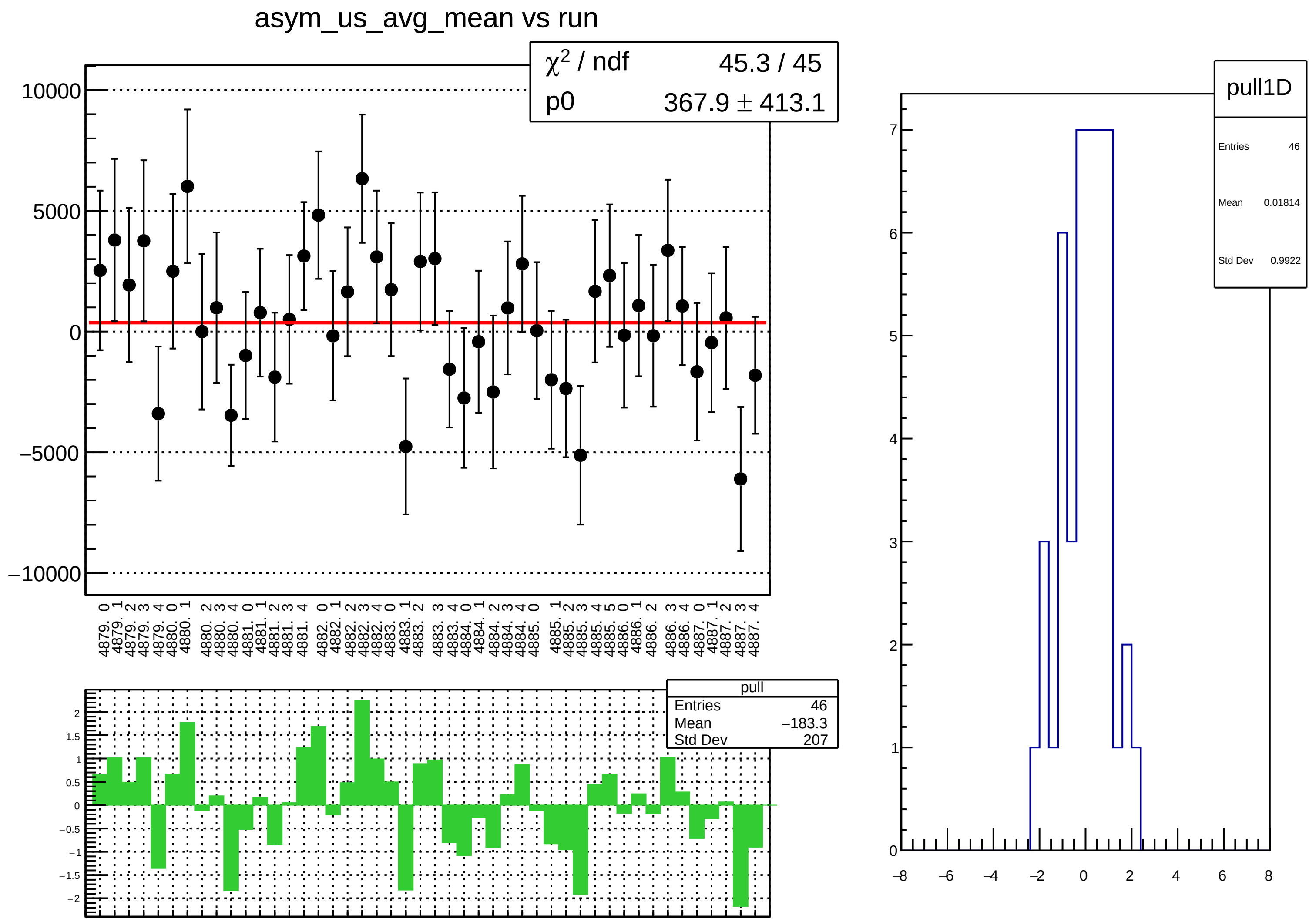
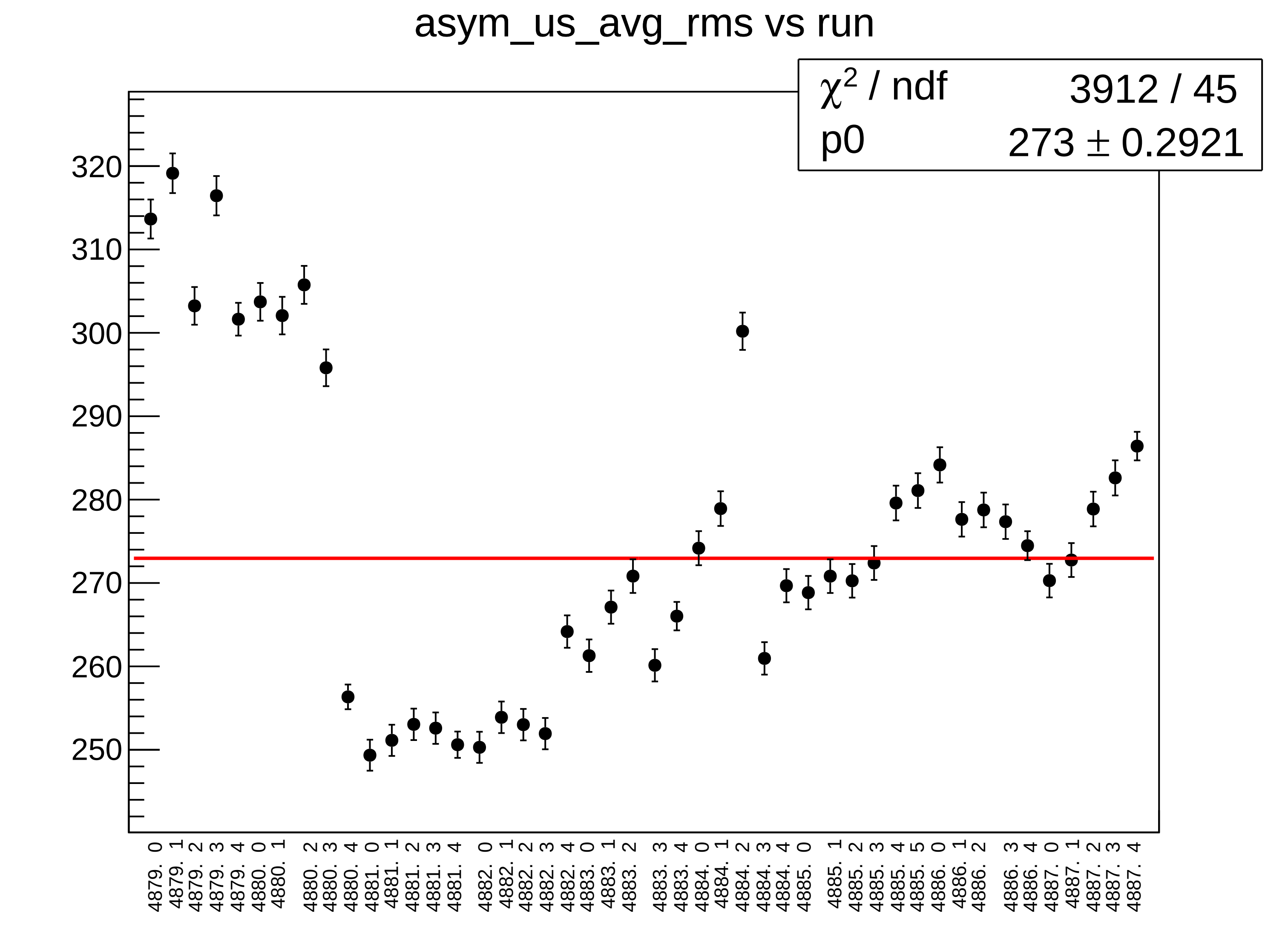
4887. 3
4887. 4


asym_us_avg_mean vs run
χ^2 / ndf 45.3 / 45
p0 367.9 ± 413.1
pull
Entries 46
Mean −183.3
Std Dev 207
pull1D
Entries 46
Mean 0.01814
Std Dev 0.9922


asym_us_avg_rms vs run
χ^2 / ndf 3912 / 45
p0 273 ± 0.2921
320
310
300
290
280
270
260
250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4882. 2
4882. 3
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4883. 2
4883. 3
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4884. 0
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4884. 2
4884. 3
4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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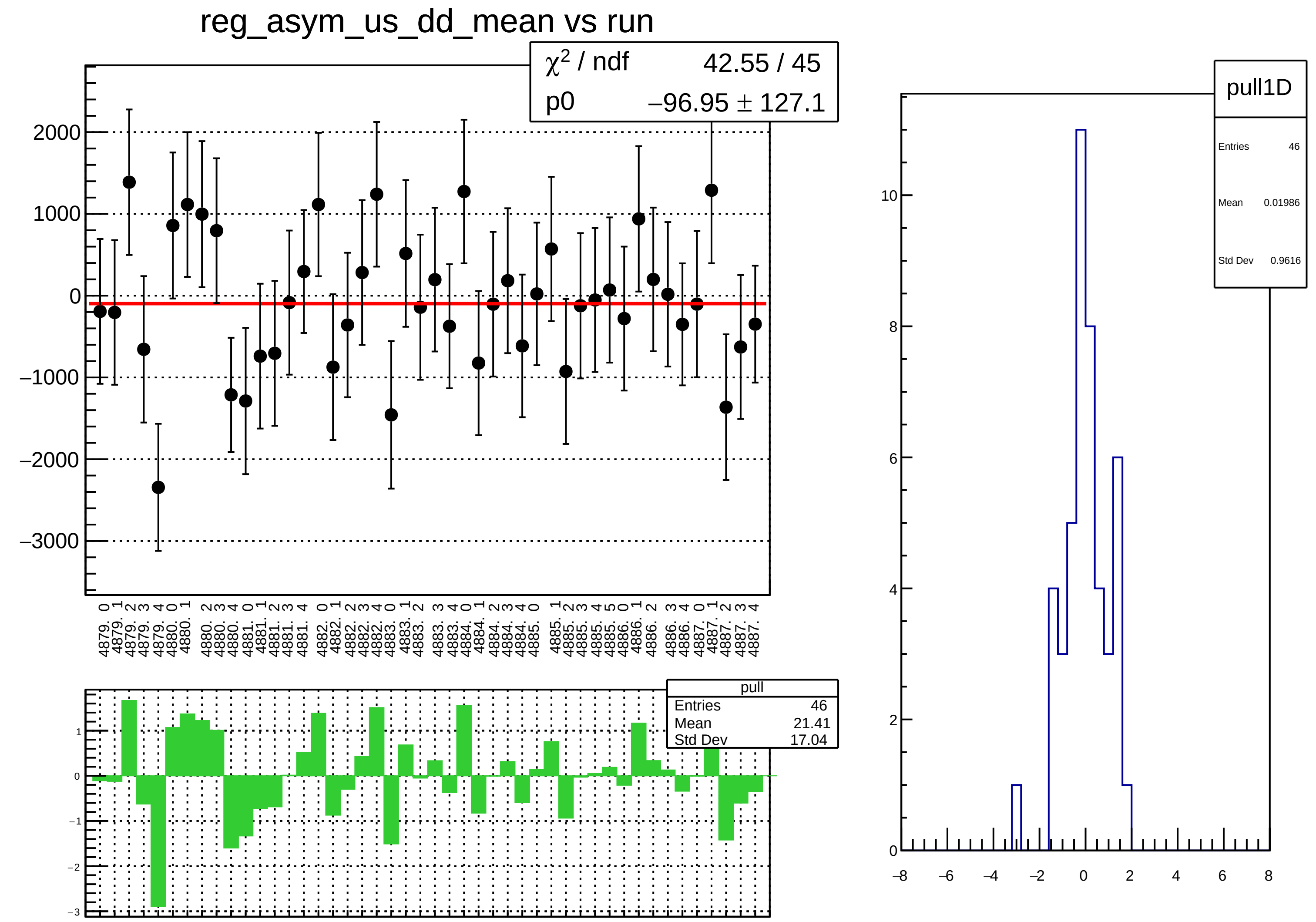
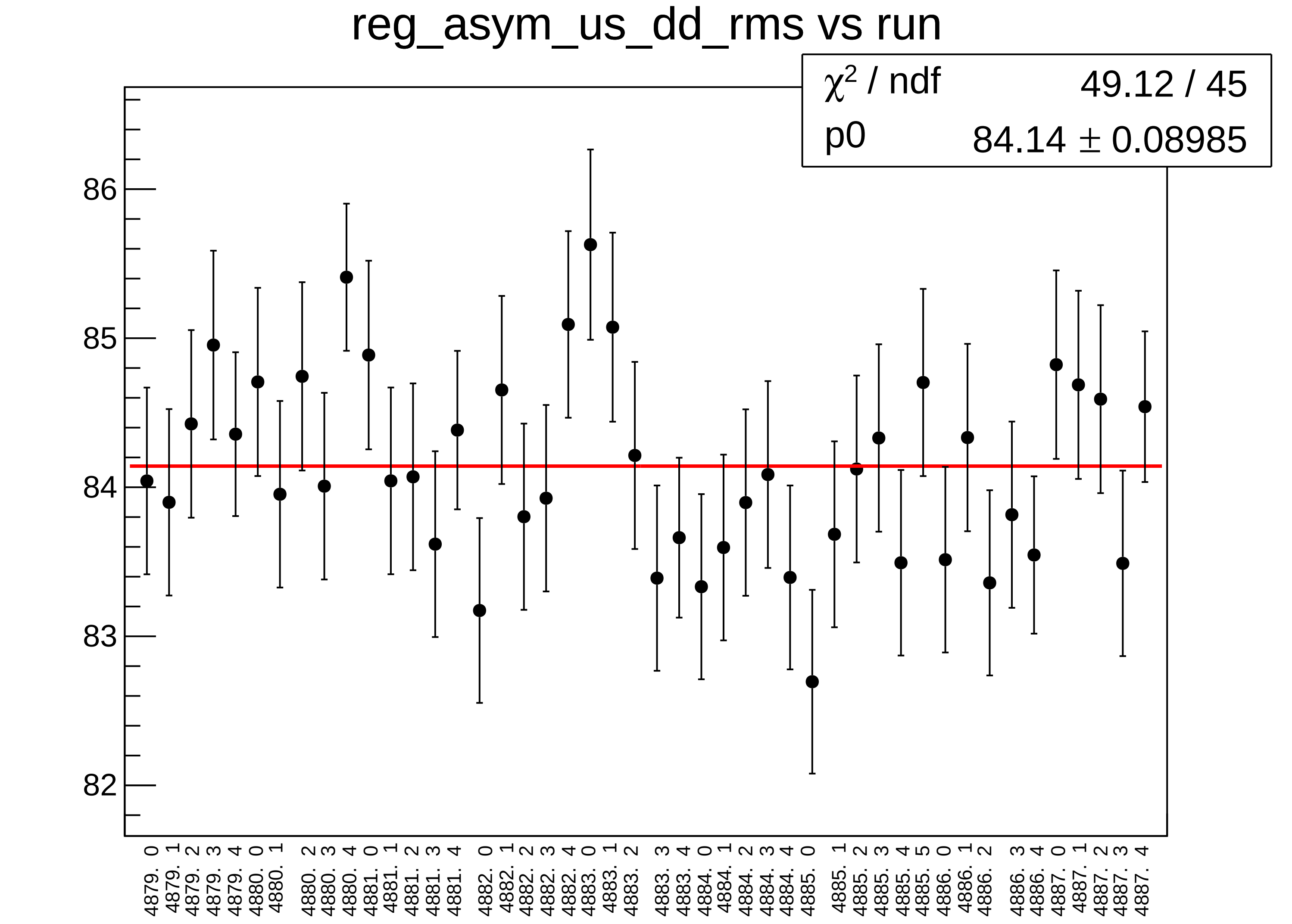
4887. 2
4887. 3
4887. 4


reg_asym_us_dd_mean vs run
χ2 / ndf 42.55 / 45
p0 −96.95 ± 127.1
pull
Entries 46
Mean 21.41
Std Dev 17.04
pull1D
Entries 46
Mean 0.01986
Std Dev 0.9616


reg_asym_us_dd_rms vs run
χ^2 / ndf 49.12 / 45
p0 84.14 ± 0.08985
86
85
84
83
82
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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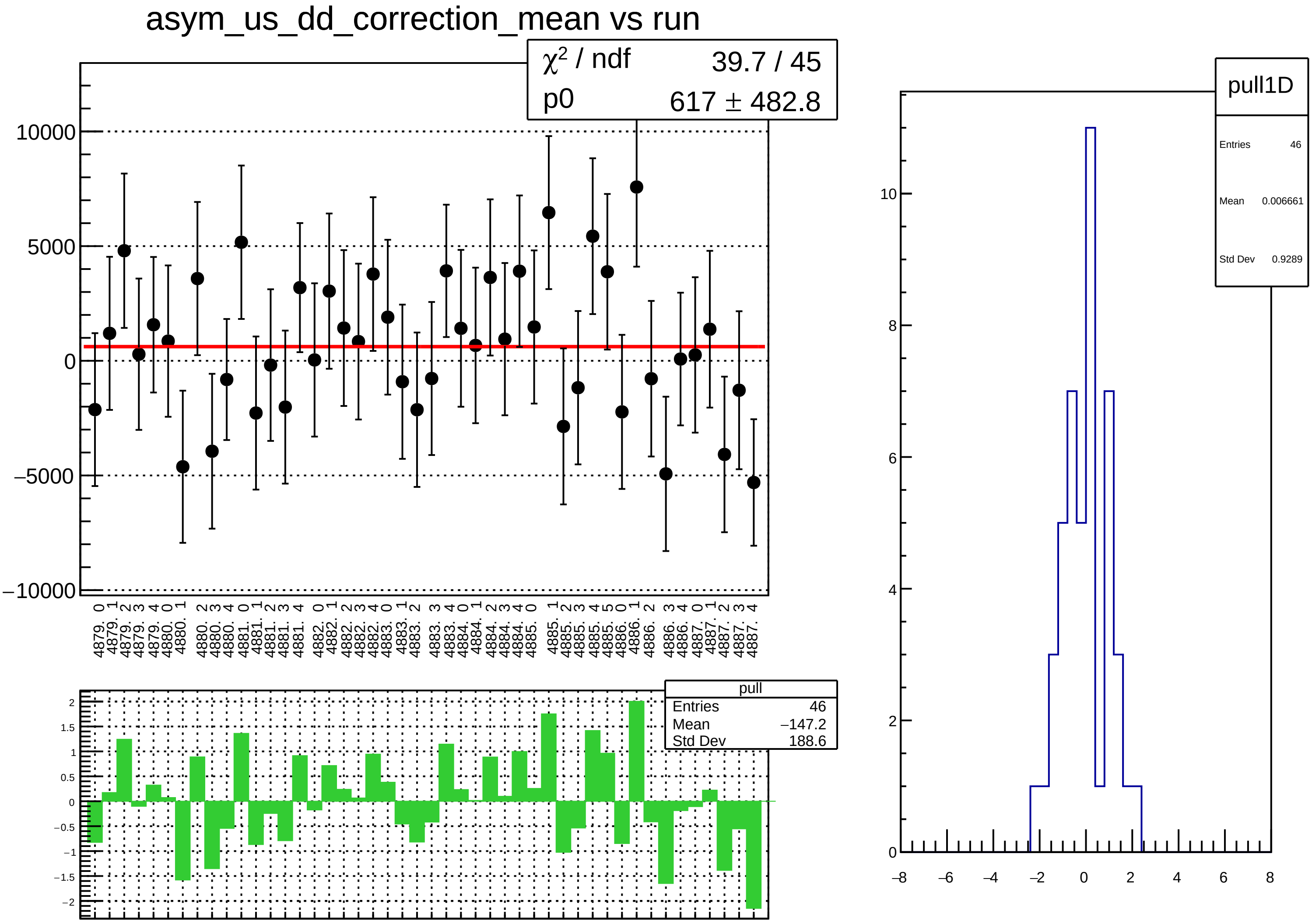
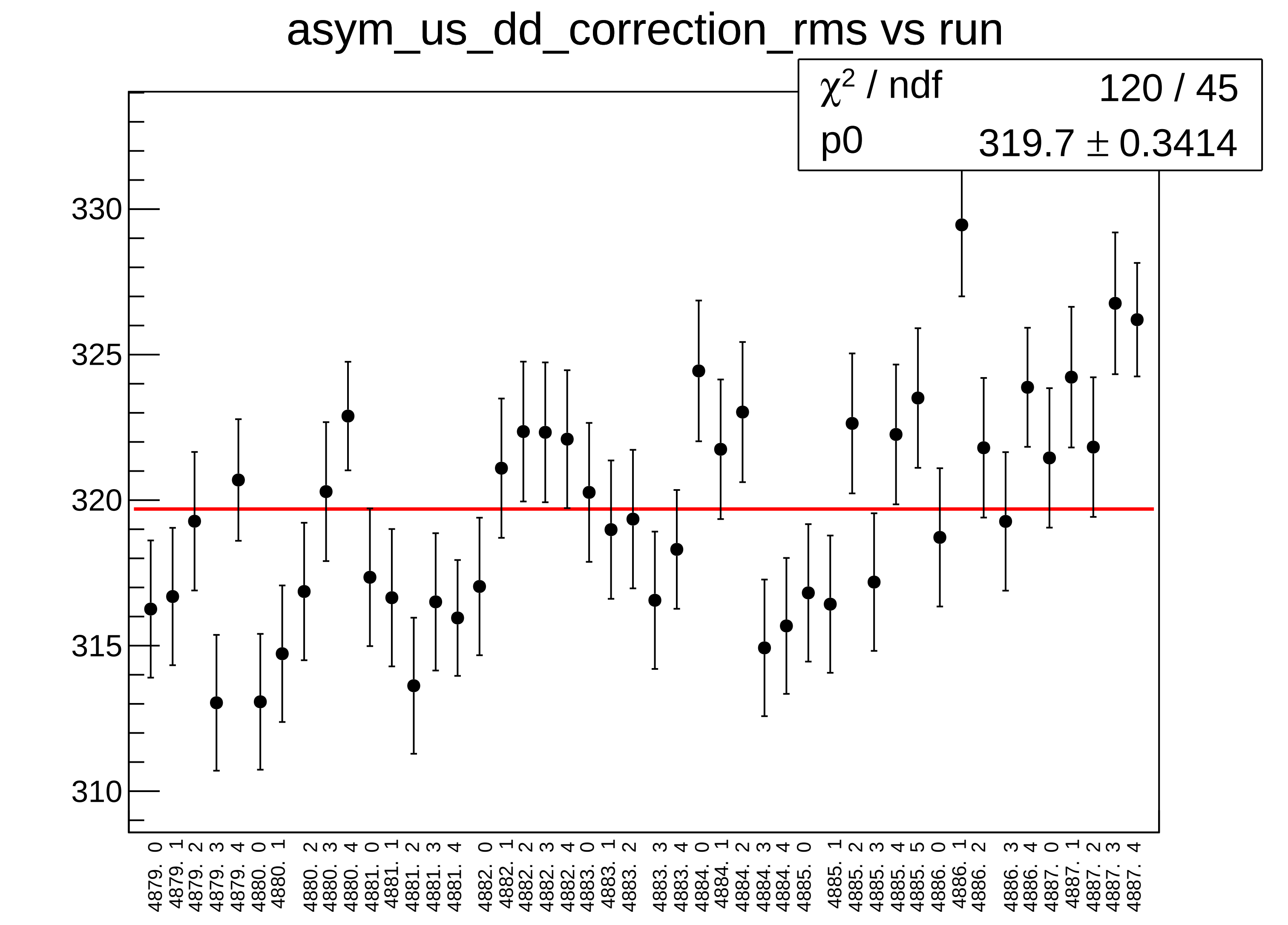
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_us_dd_correction_mean vs run
χ^2 / ndf 39.7 / 45
p0 617 ± 482.8
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −147.2
Std Dev 188.6
pull1D
Entries 46
Mean 0.006661
Std Dev 0.9289



asym_us_dd_correction_rms vs run
χ^2 / ndf 120 / 45
p0 319.7 ± 0.3414
330
325
320
315
310
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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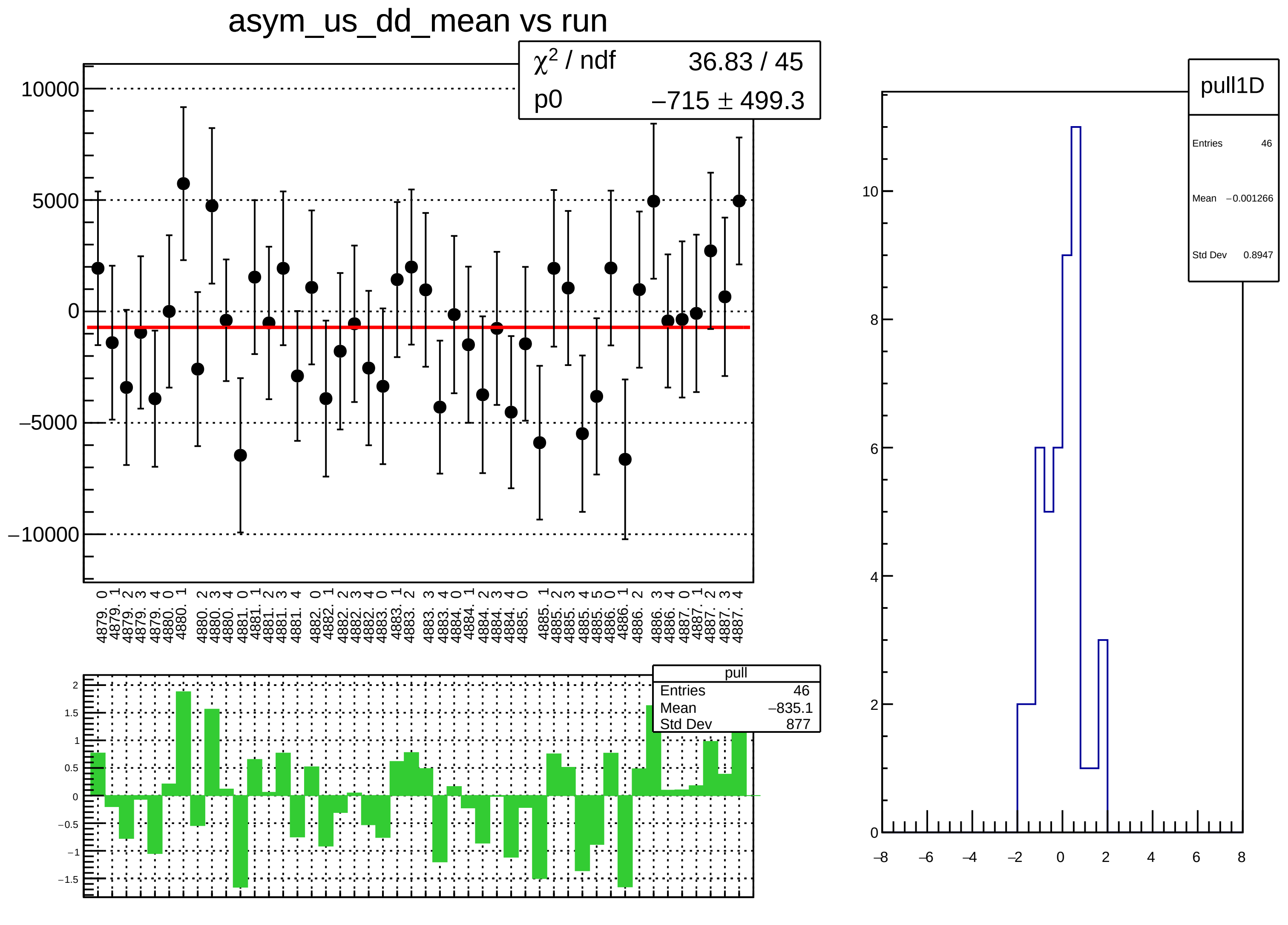
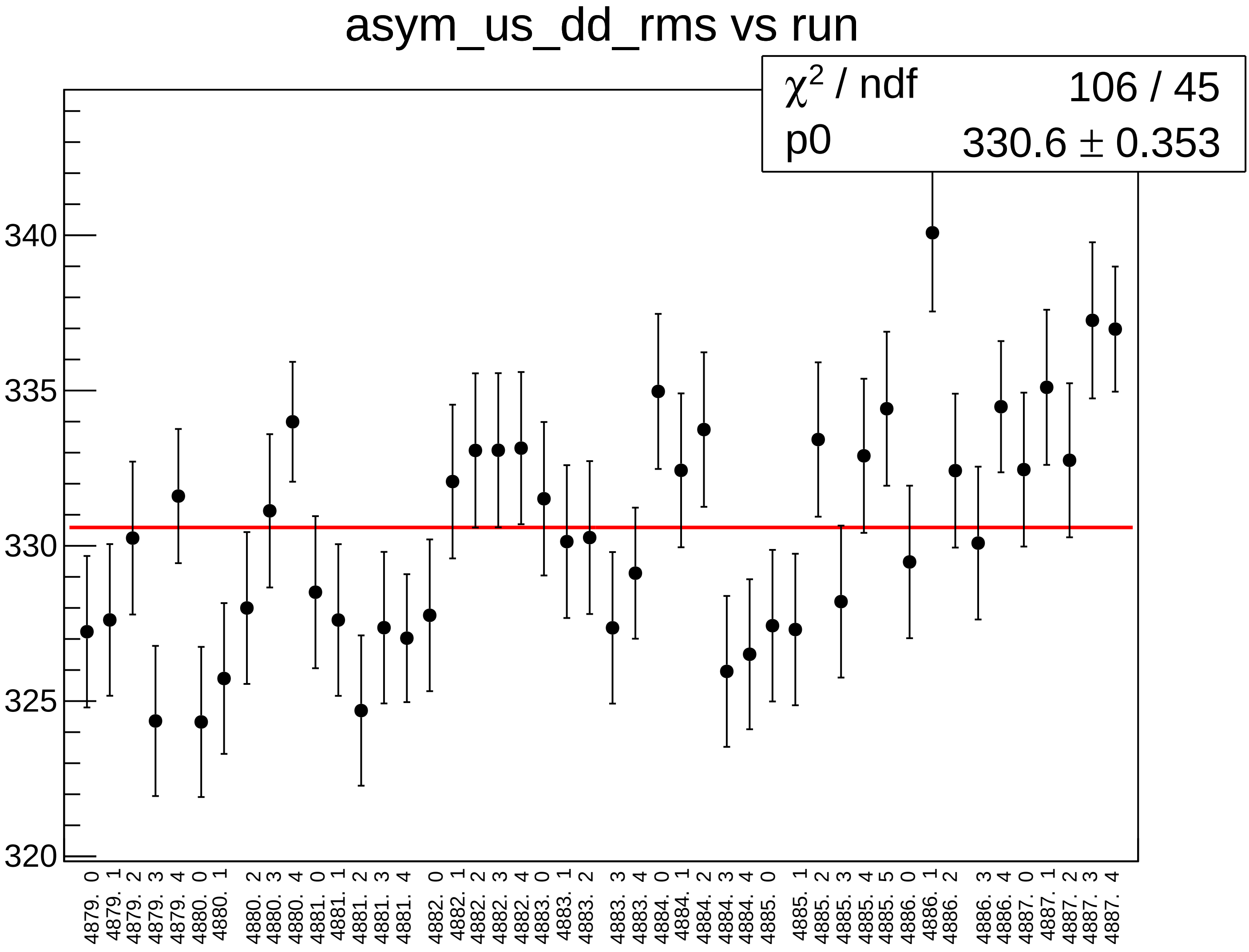
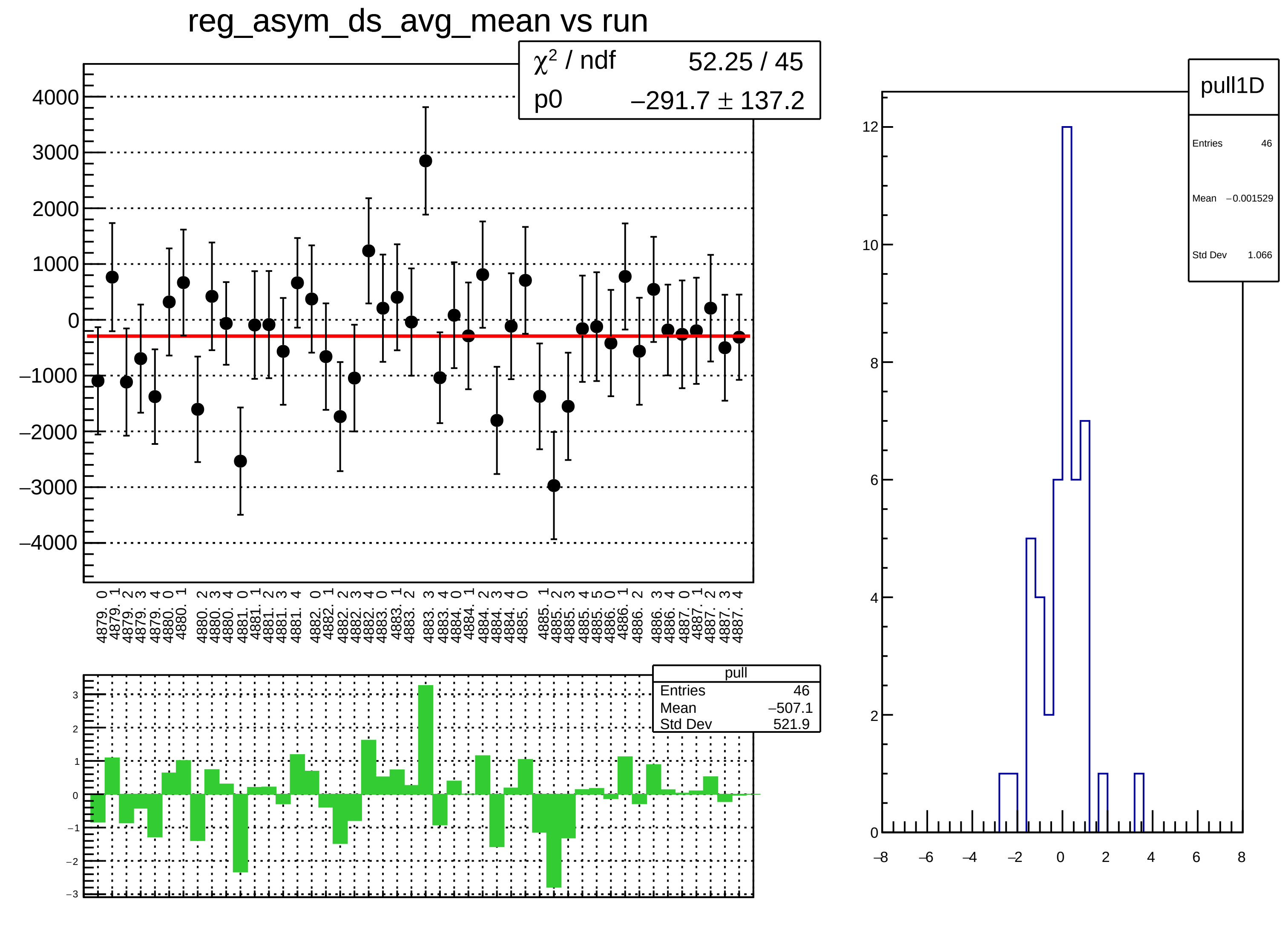
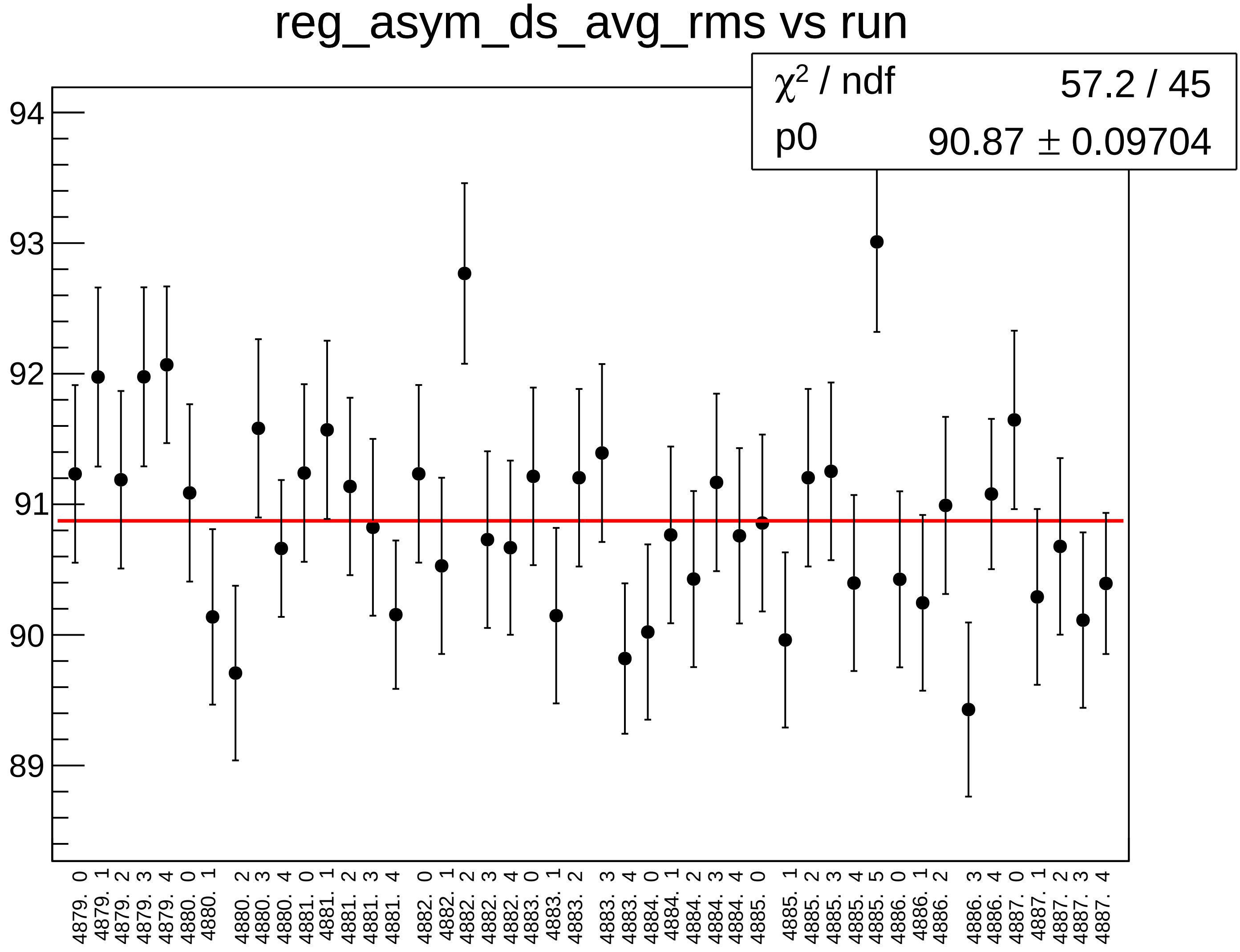
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_us_dd_mean vs run
χ^2 / ndf 36.83 / 45
p0 −715 ± 499.3
pull
Entries 46
Mean −835.1
Std Dev 877
pull1D
Entries 46
Mean −0.001266
Std Dev 0.8947


asym_us_dd_rms vs run
χ^2 / ndf 106 / 45
p0 330.6 ± 0.353
340
335
330
325
320



reg_asym_ds_avg_mean vs run
χ^2 / ndf 52.25 / 45
p0 −291.7 ± 137.2
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −507.1
Std Dev 521.9
3
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean −0.001529
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_ds_avg_rms vs run
χ2 / ndf 57.2 / 45
p0 90.87 ± 0.09704
94
93
92
91
90
89
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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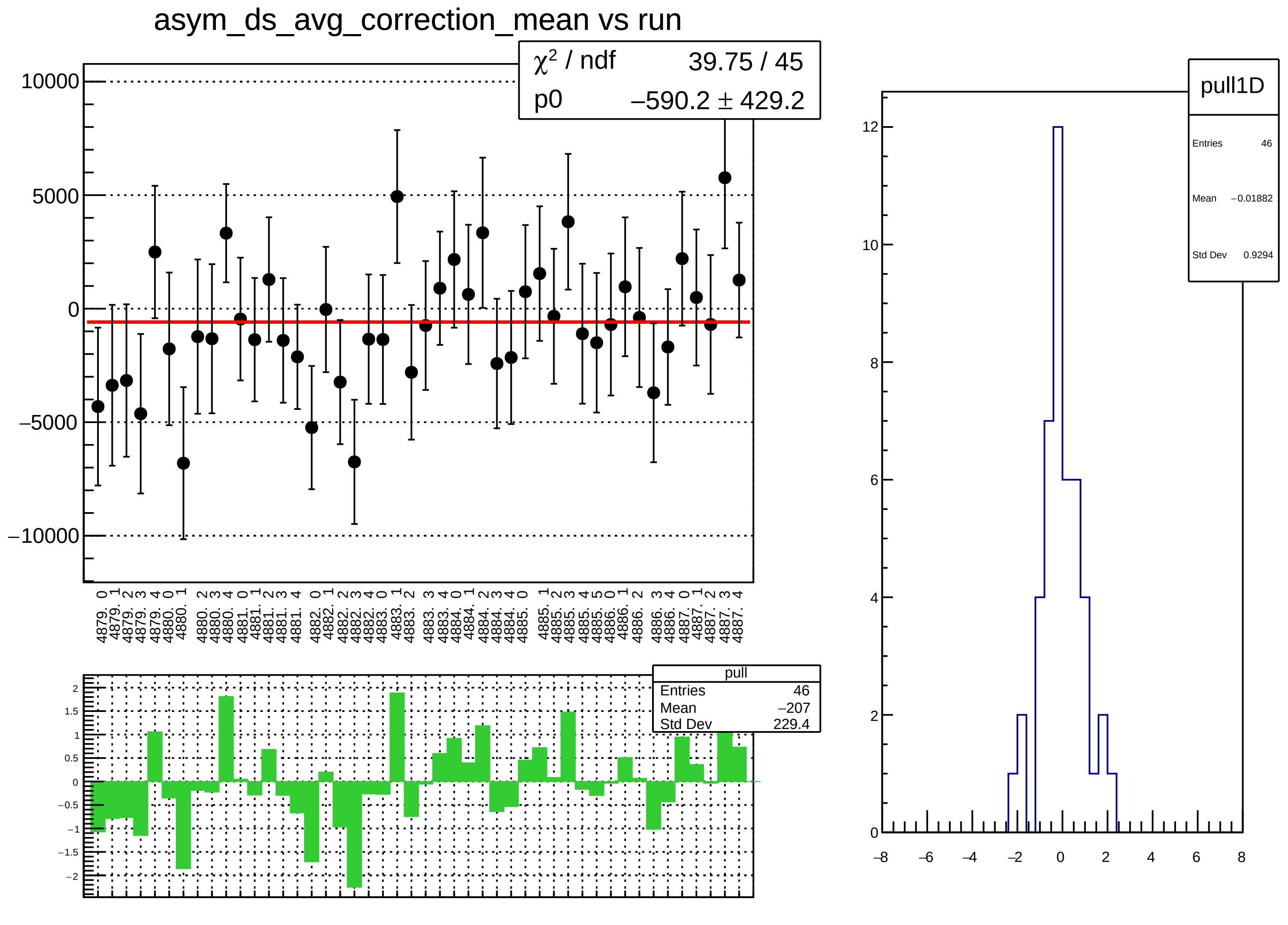
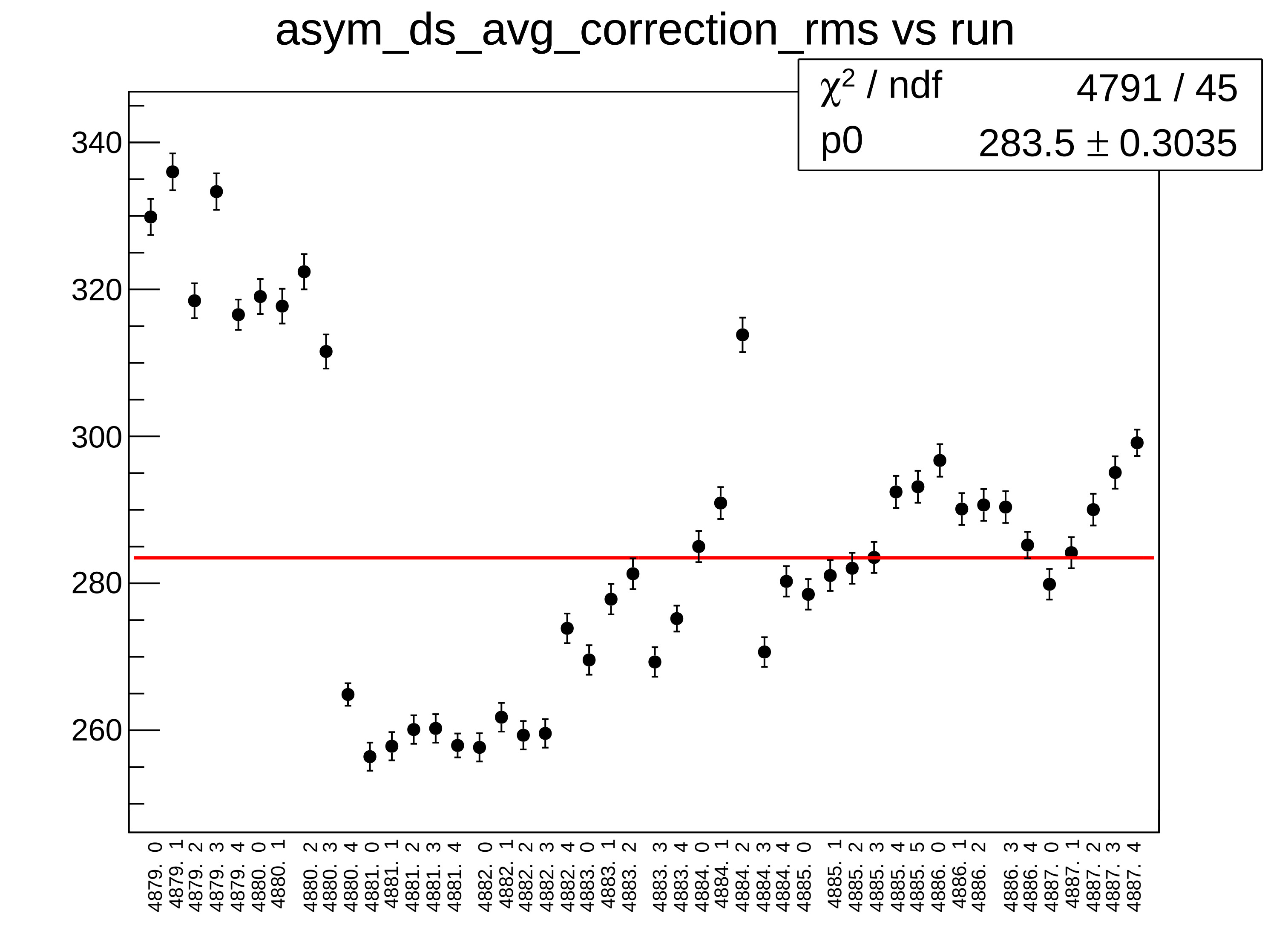
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_ds_avg_correction_mean vs run
χ2 / ndf 39.75 / 45
p0 −590.2 ± 429.2
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −207
Std Dev 229.4
pull1D
Entries 46
Mean −0.01882
Std Dev 0.9294



asym_ds_avg_correction_rms vs run
χ^2 / ndf 4791 / 45
p0 283.5 ± 0.3035
340
320
300
280
260
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 4
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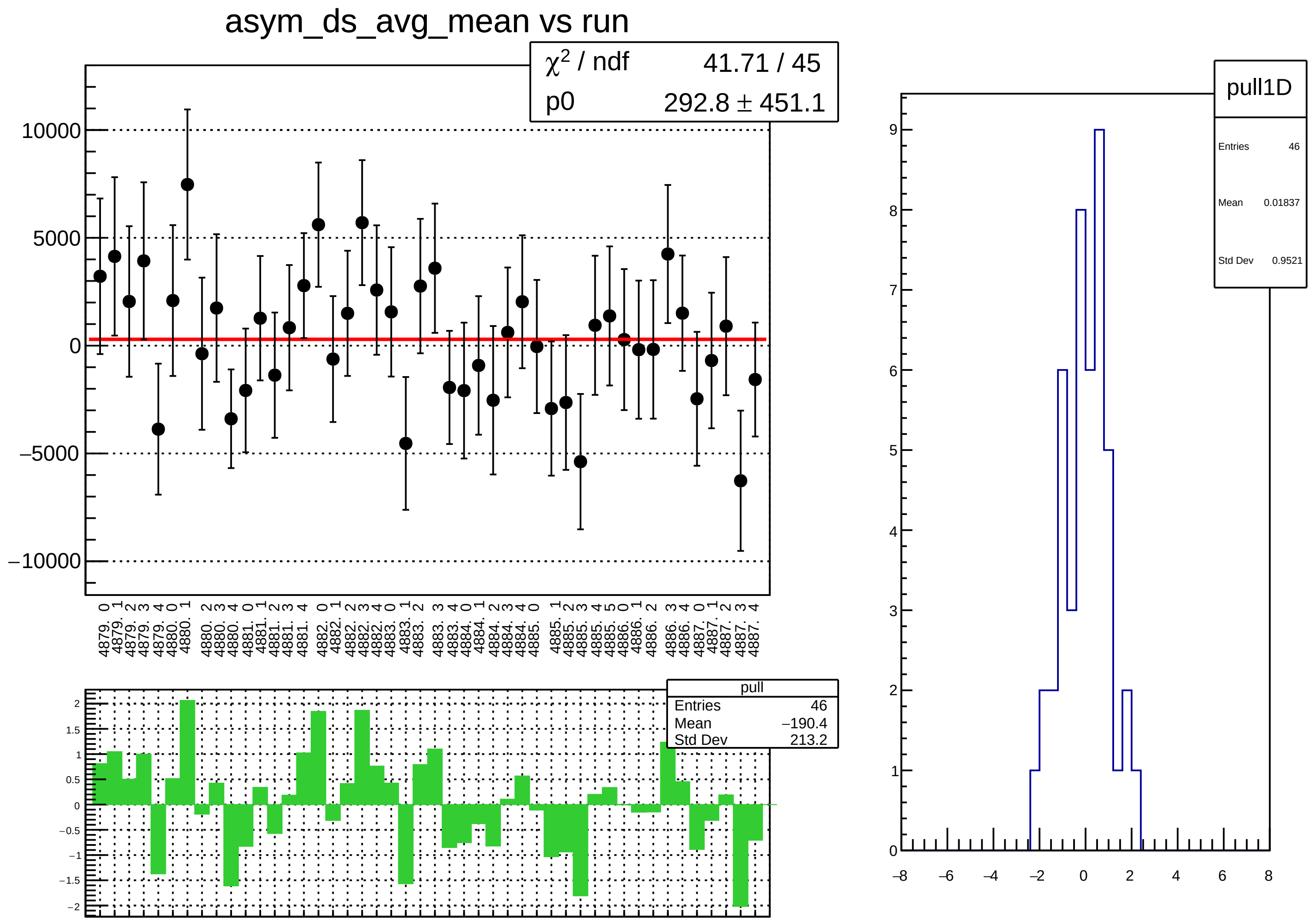
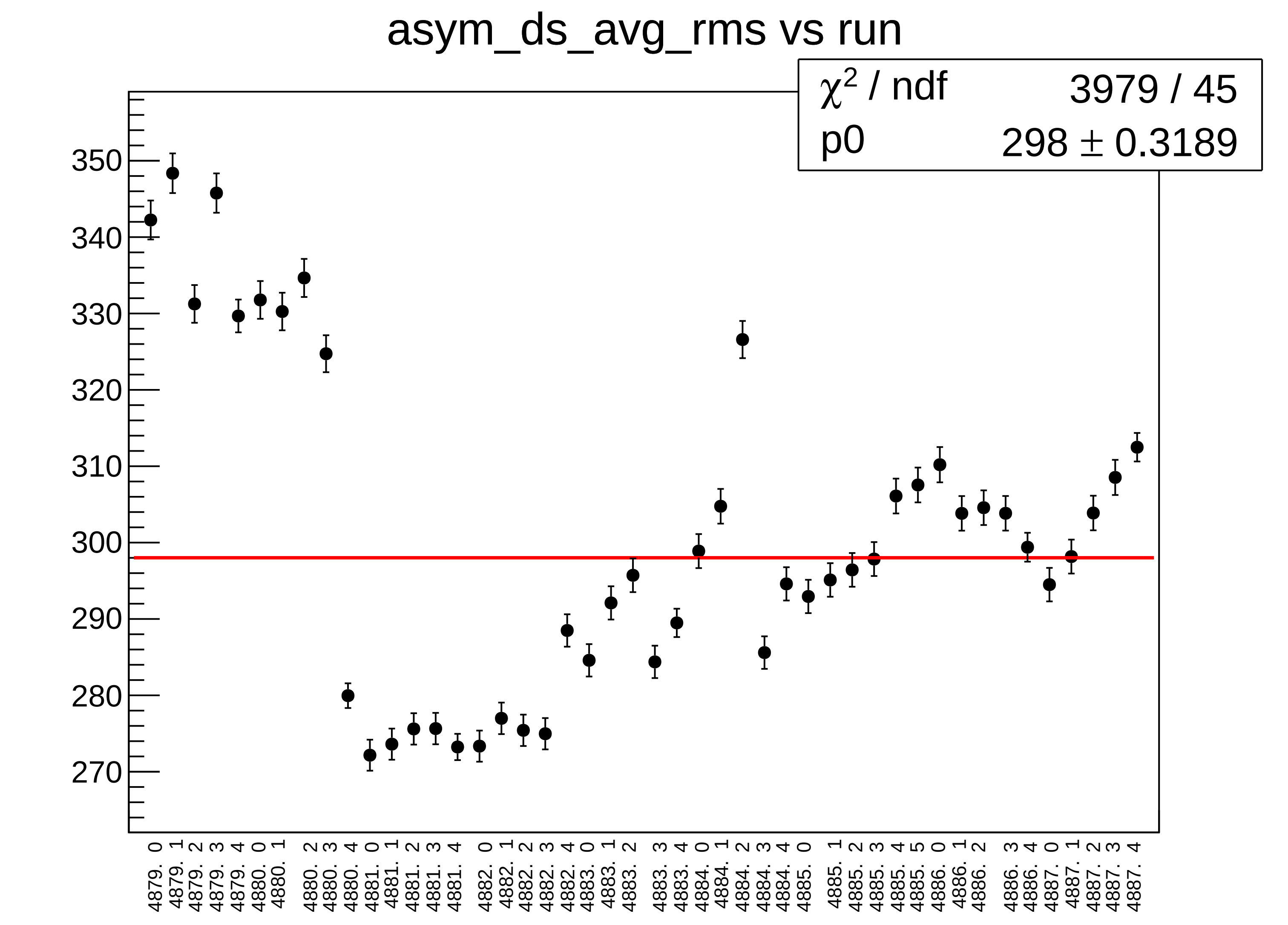
4887. 2
4887. 3
4887. 4


asym_ds_avg_mean vs run
χ2 / ndf 41.71 / 45
p0 292.8 ± 451.1
pull
Entries 46
Mean −190.4
Std Dev 213.2
pull1D
Entries 46
Mean 0.01837
Std Dev 0.9521


asym_ds_avg_rms vs run
χ^2 / ndf 3979 / 45
p0 298 ± 0.3189
350
340
330
320
310
300
290
280
270
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4883. 1
4883. 2
4883. 3
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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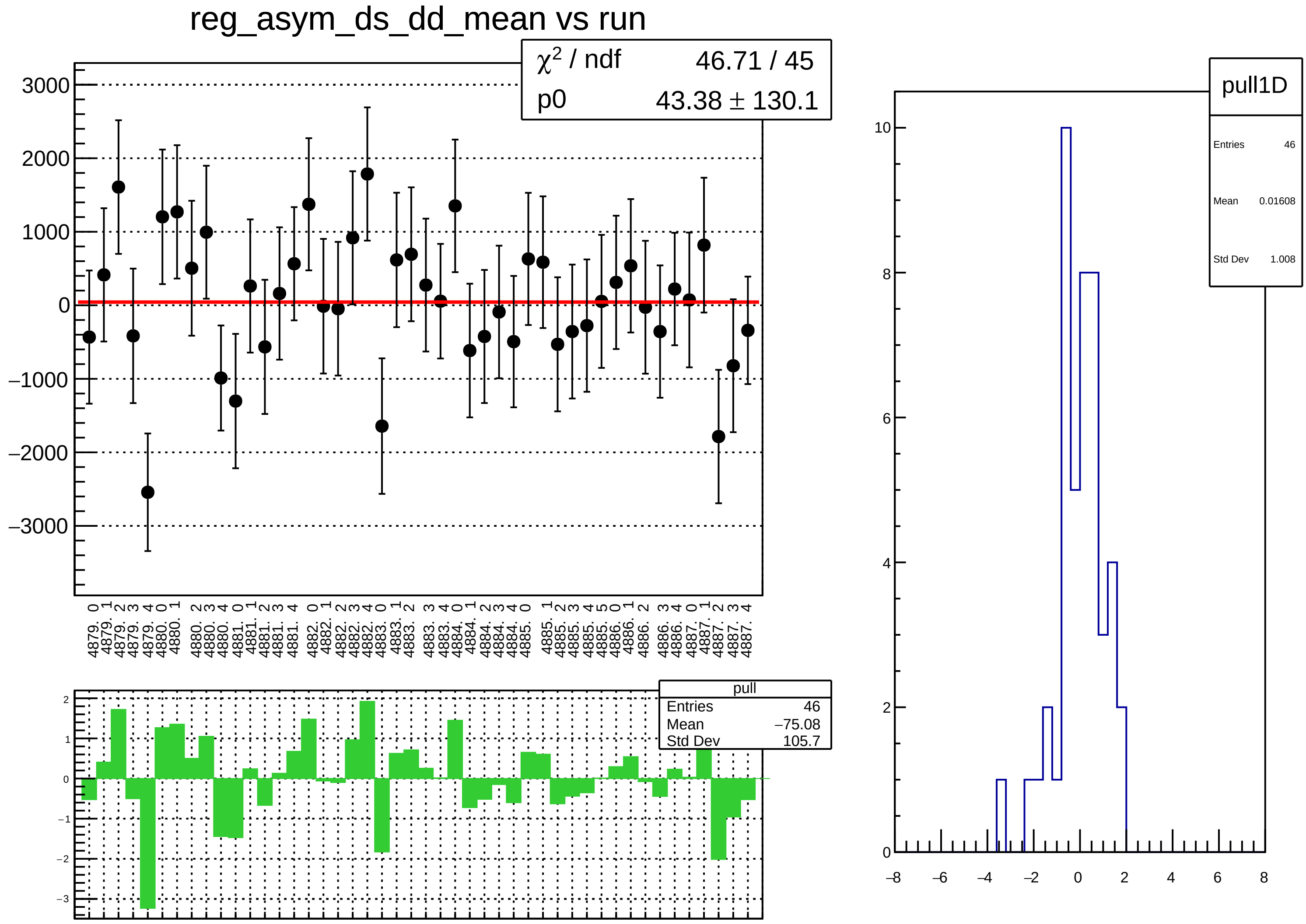
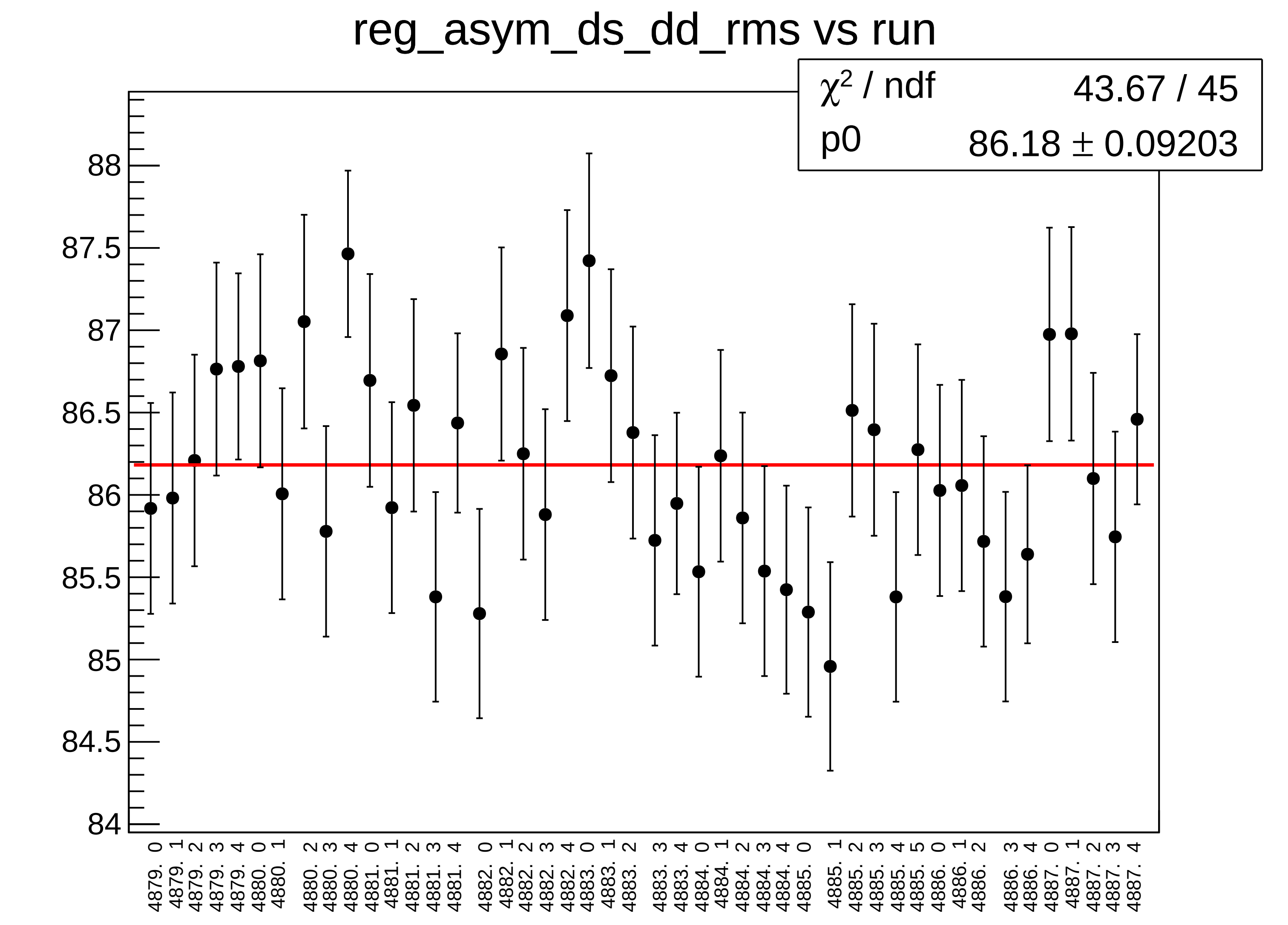
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_ds_dd_mean vs run
χ2 / ndf 46.71 / 45
p0 43.38 ± 130.1
pull
Entries 46
Mean −75.08
Std Dev 105.7
pull1D
Entries 46
Mean 0.01608
Std Dev 1.008


reg_asym_ds_dd_rms vs run
χ^2 / ndf 43.67 / 45
p0 86.18 ± 0.09203
88
87.5
87
86.5
86
85.5
85
84.5
84
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4884. 0
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4884. 2
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4885. 5
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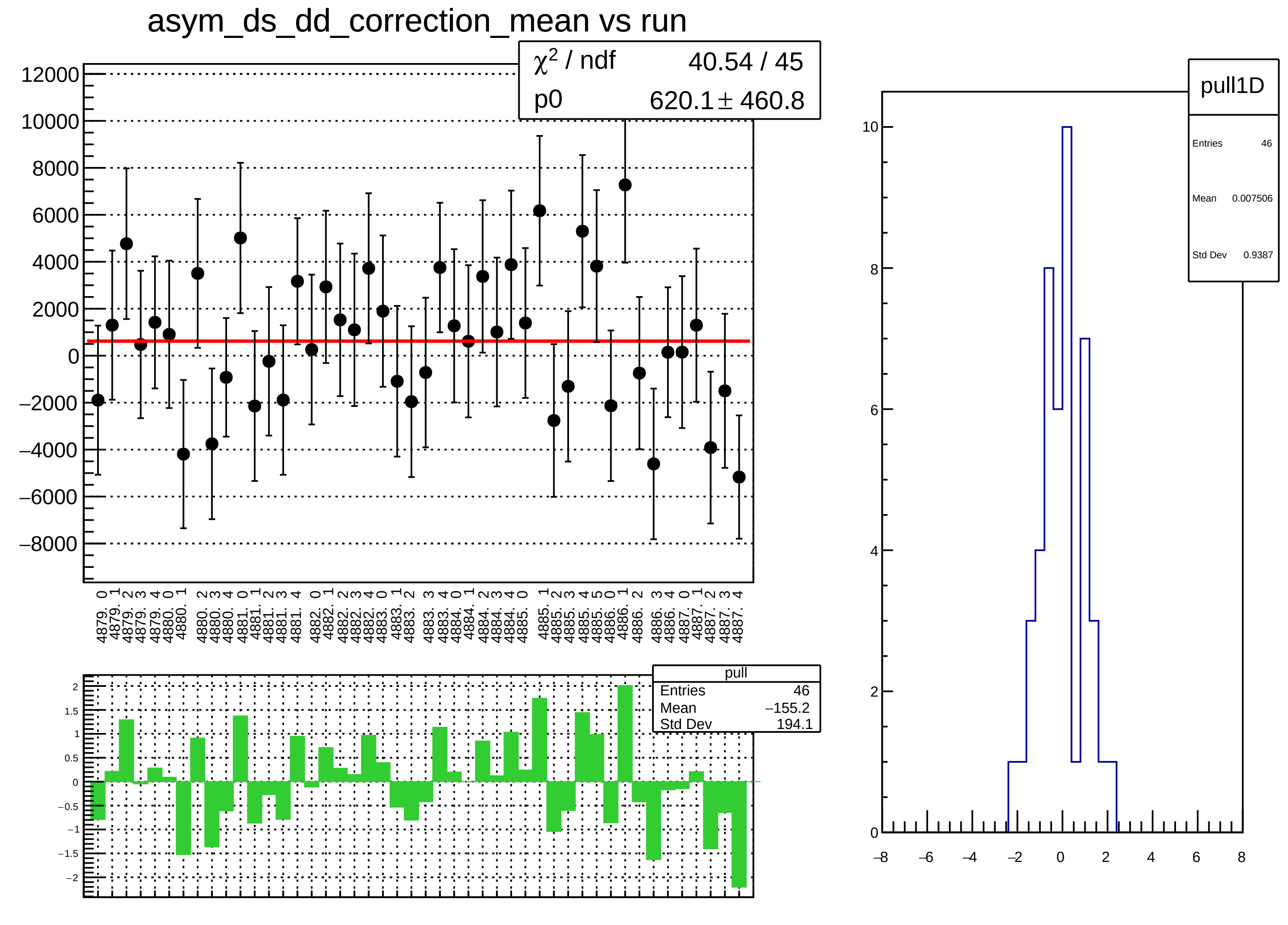
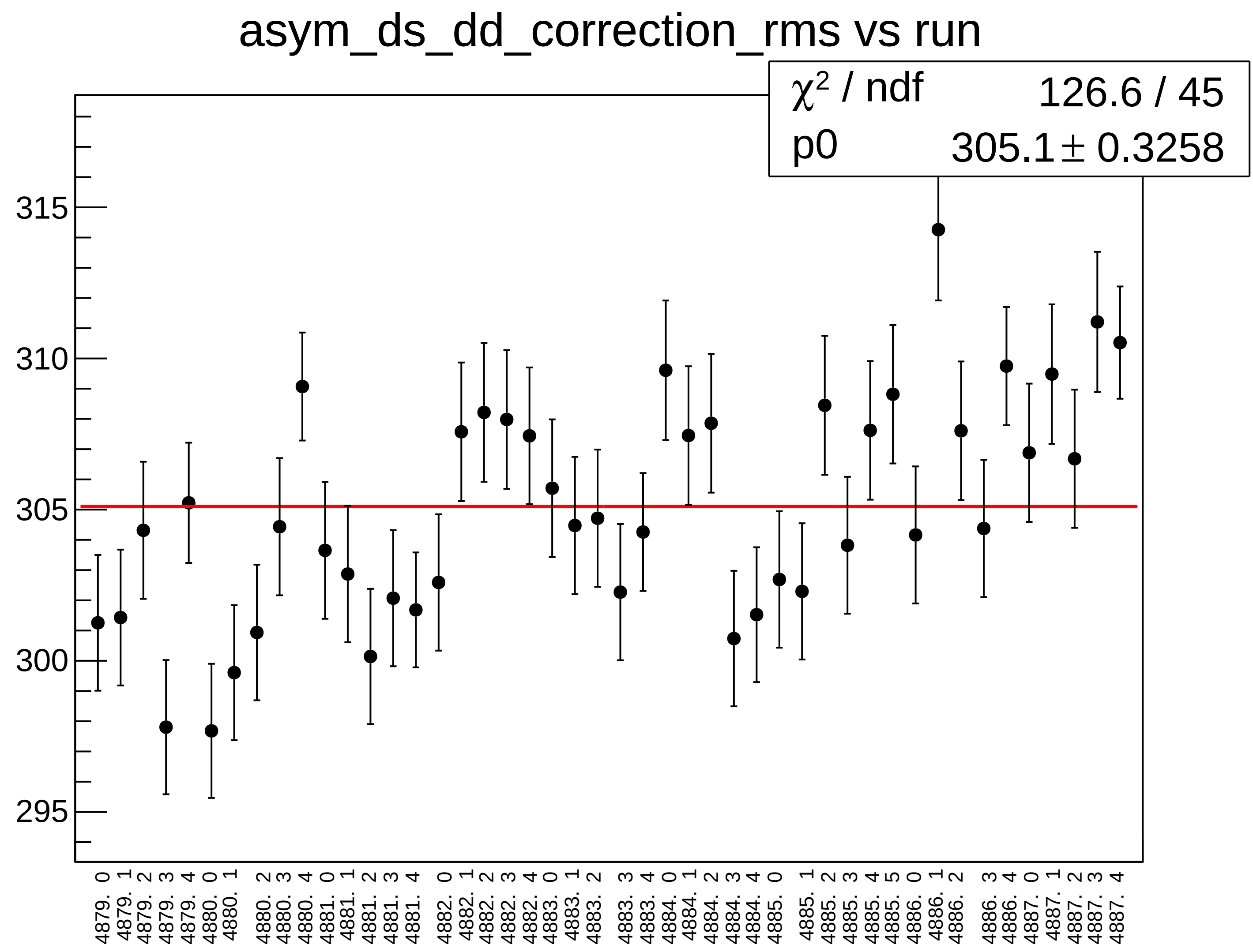
4887. 4


asym_ds_dd_correction_mean vs run
χ^2 / ndf 40.54 / 45
p0 620.1 ± 460.8
pull
Entries 46
Mean −155.2
Std Dev 194.1
pull1D
Entries 46
Mean 0.007506
Std Dev 0.9387


asym_ds_dd_correction_rms vs run
χ^2 / ndf 126.6 / 45
p0 305.1 ± 0.3258
315
310
305
300
295
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4883. 0
4883. 1
4883. 2
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4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
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4885. 2
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4885. 5
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4886. 2
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4887. 2
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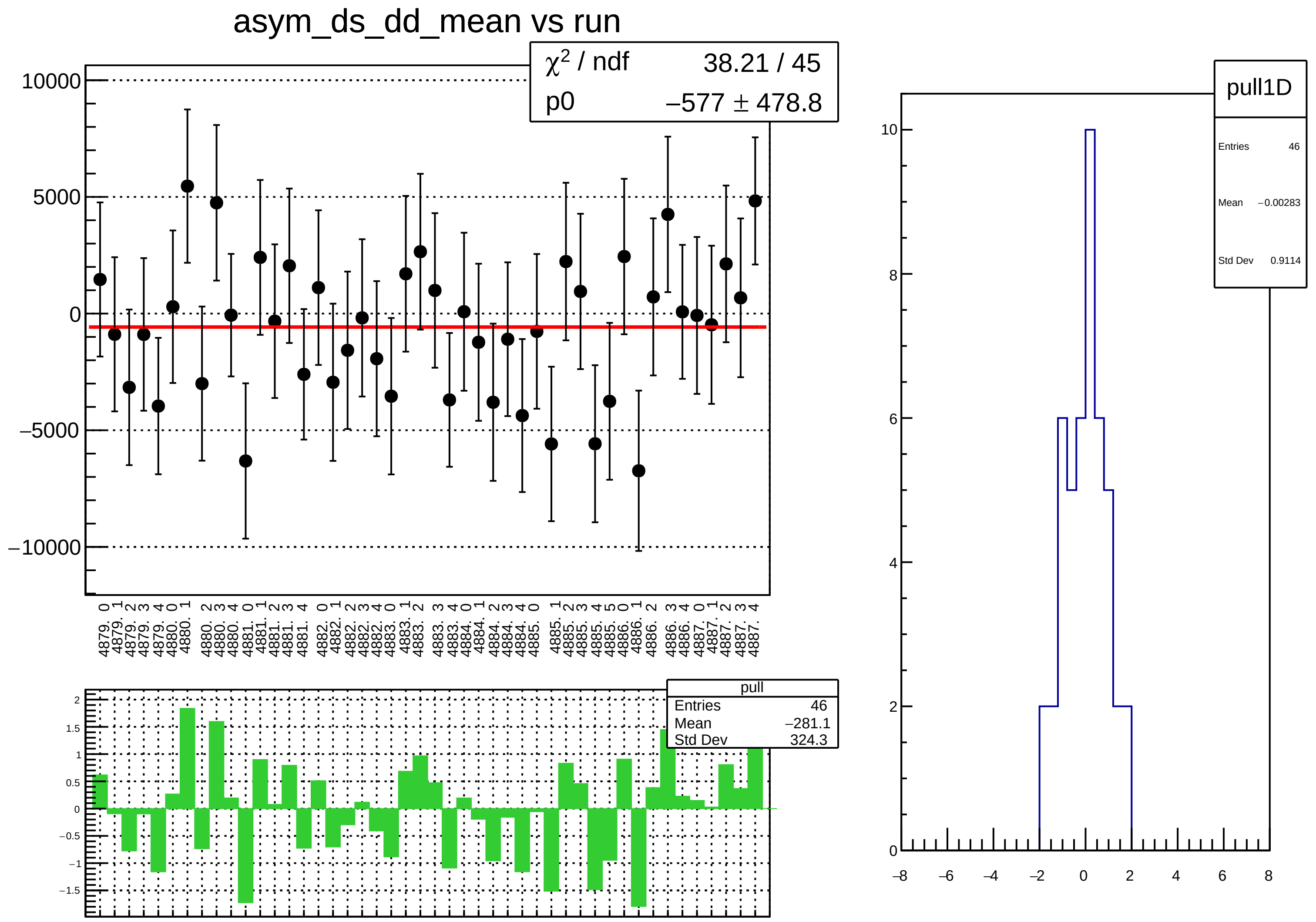
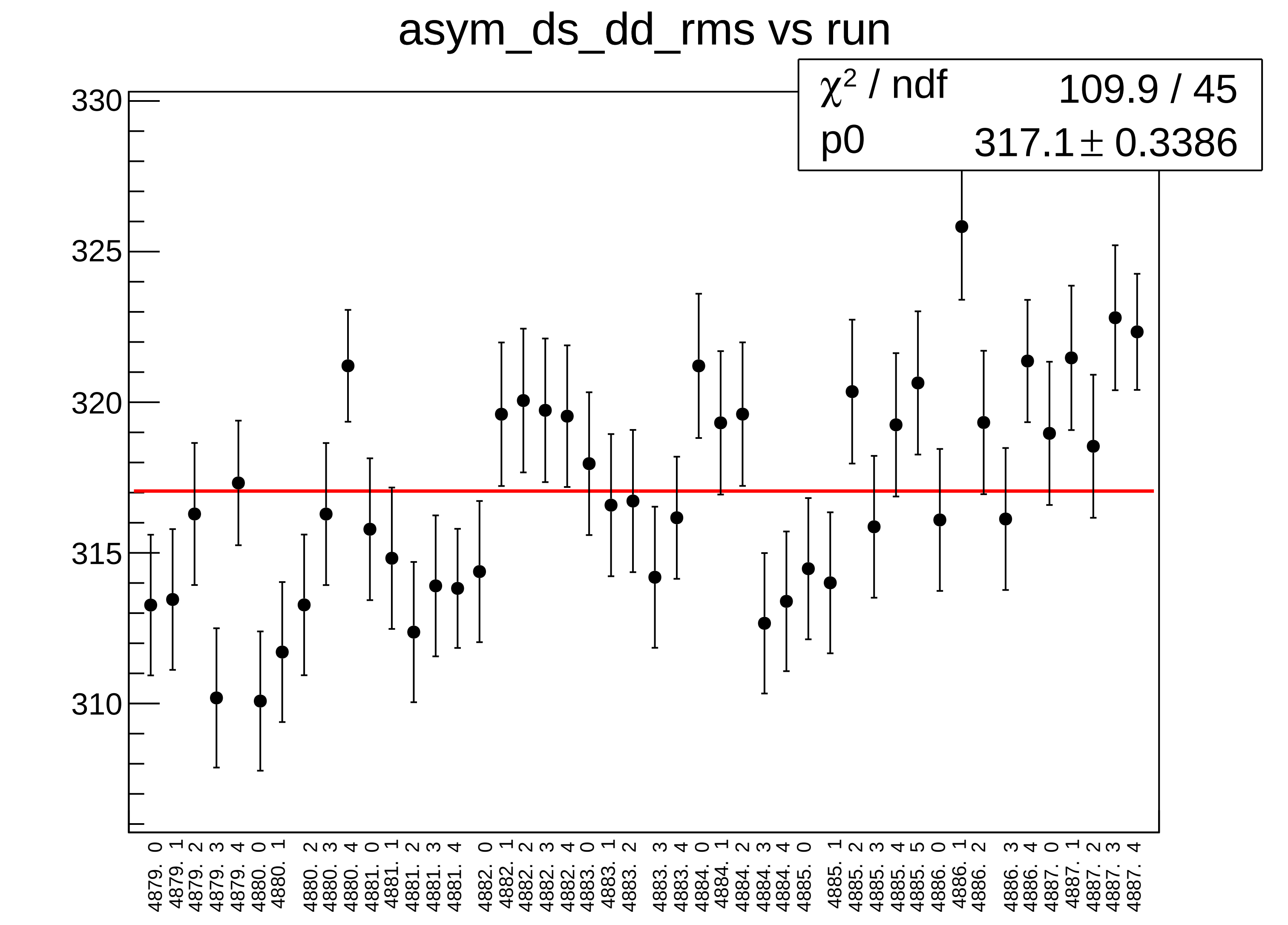
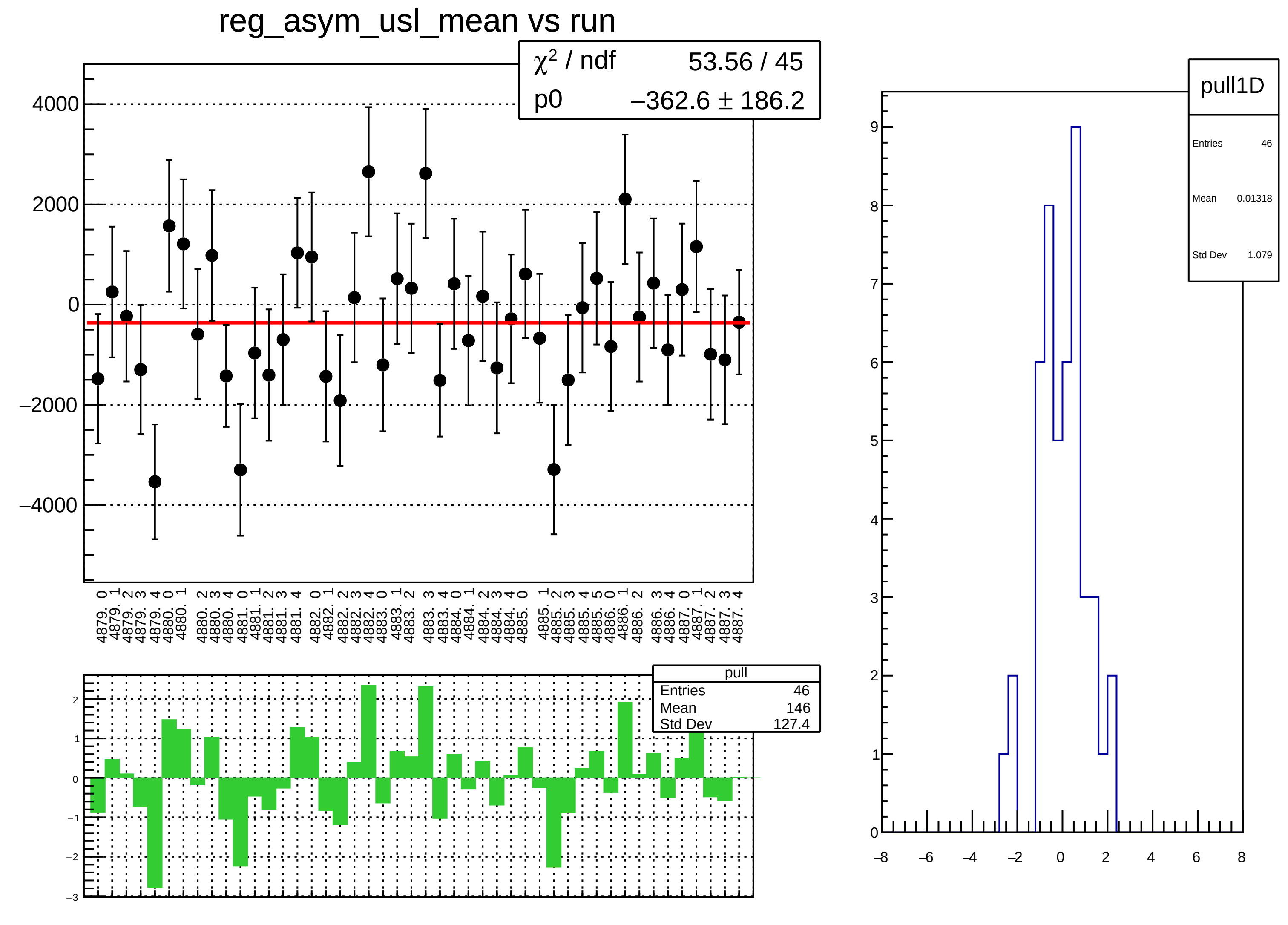
4887. 4



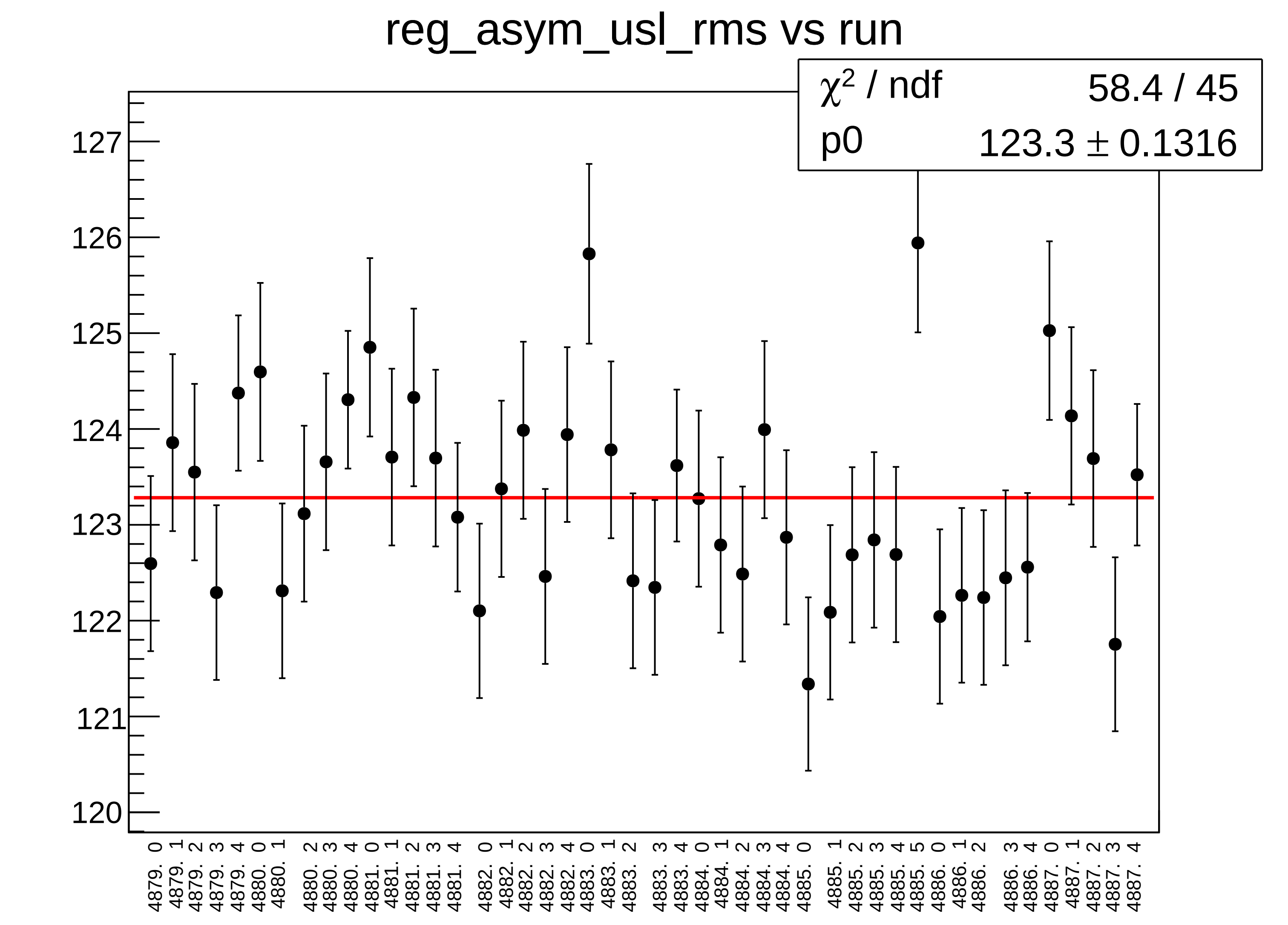
asym_ds_dd_mean vs run
χ2 / ndf 38.21 / 45
p0 −577 ± 478.8
10000
5000
0
−5000
−10000
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4
pull
Entries 46
Mean −281.1
Std Dev 324.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean −0.00283
Std Dev 0.9114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

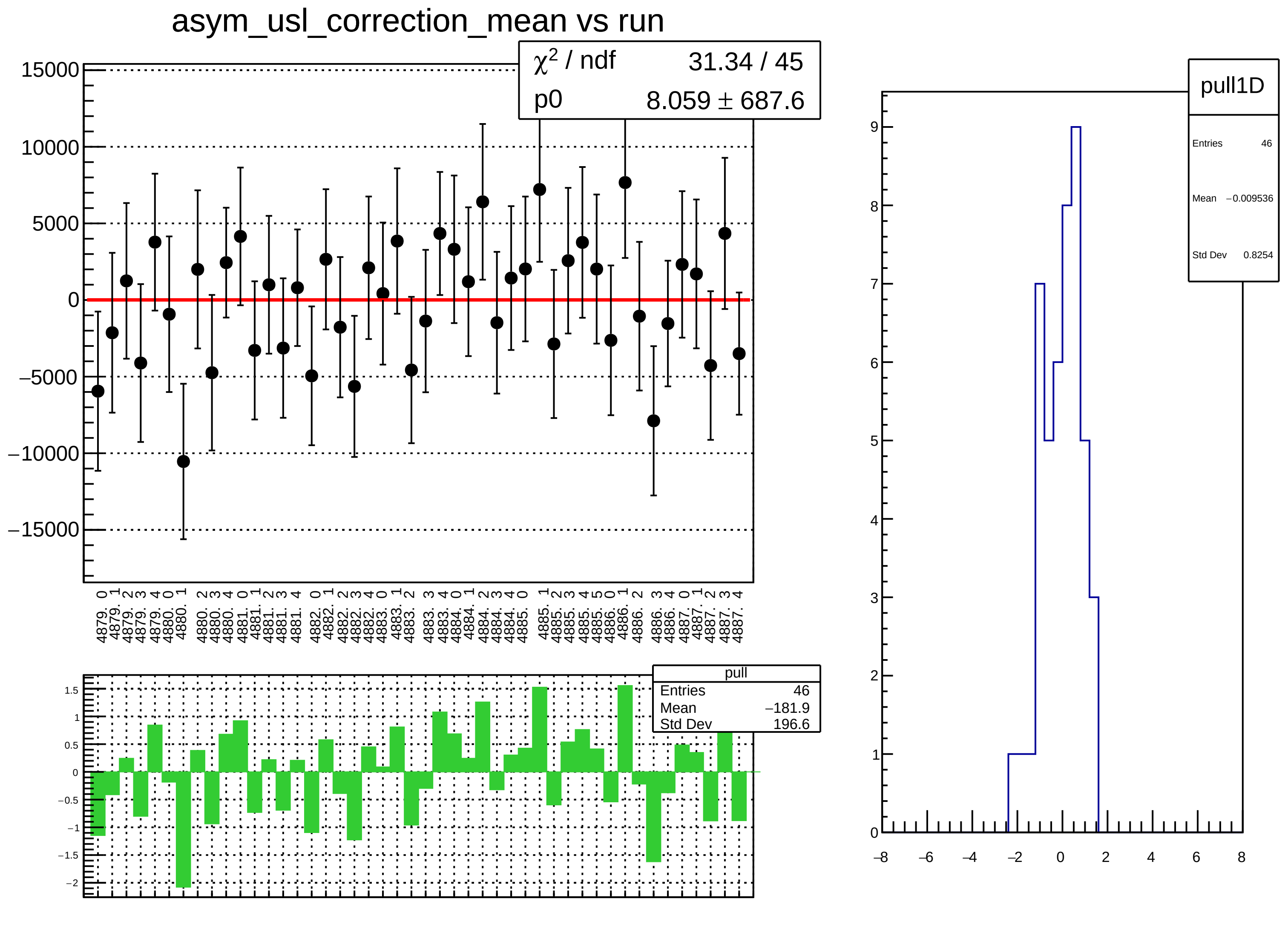


asym_ds_dd_rms vs run
χ^2 / ndf 109.9 / 45
p0 317.1 ± 0.3386
330
325
320
315
310
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

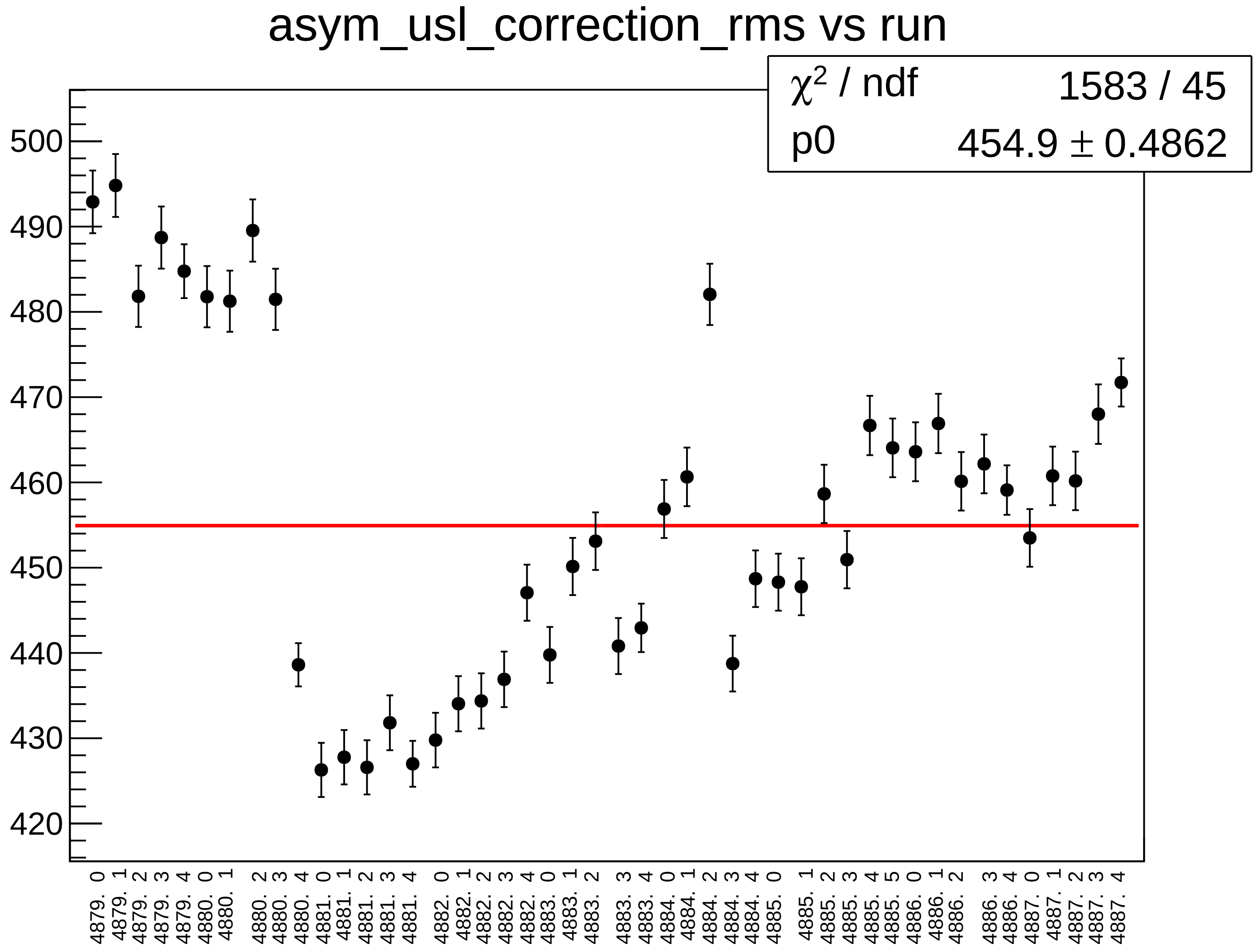


reg_asym_usl_mean vs run
χ^2 / ndf 53.56 / 45
p0 −362.6 ± 186.2
pull
Entries 46
Mean 146
Std Dev 127.4
pull1D
Entries 46
Mean 0.01318
Std Dev 1.079

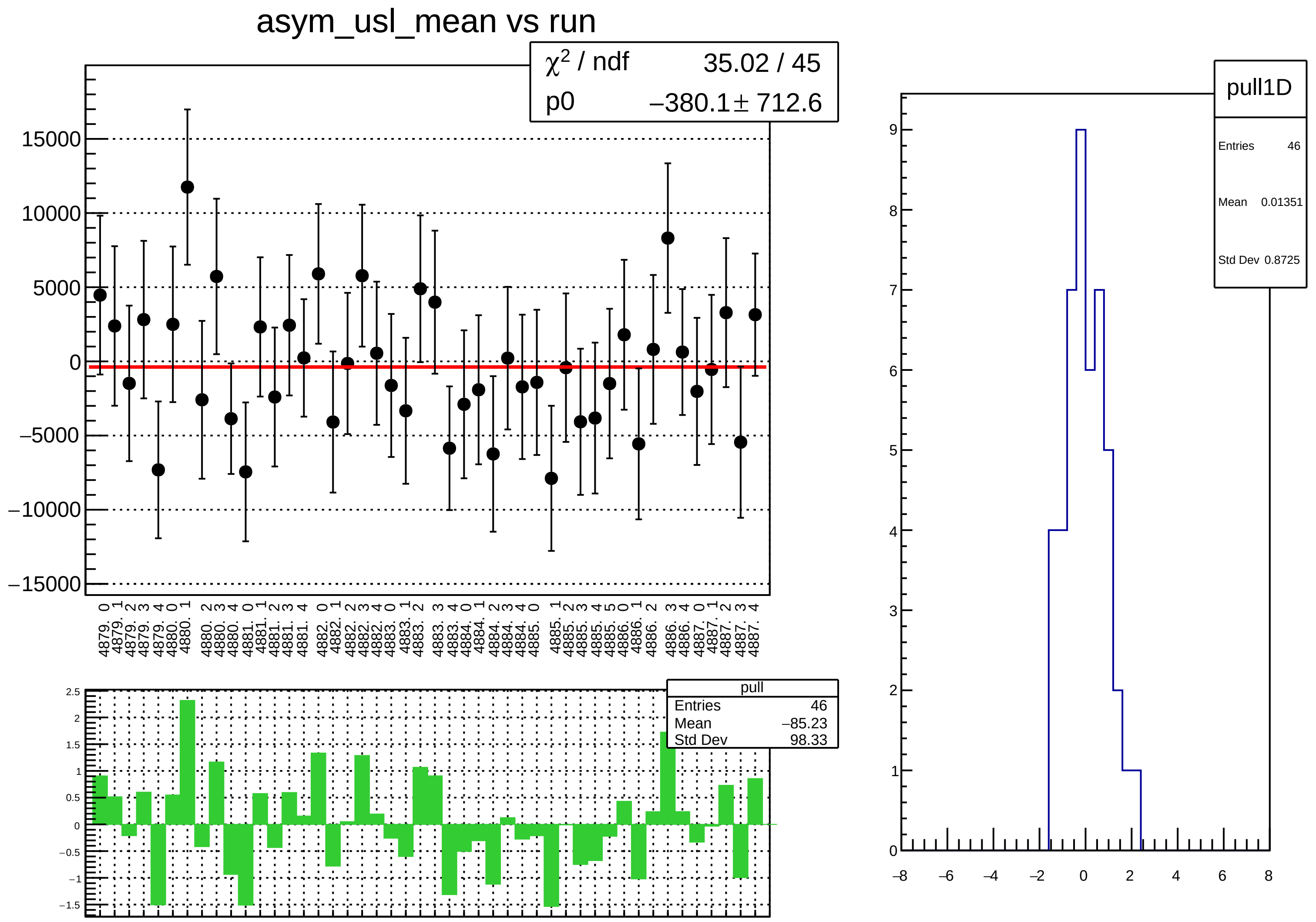

reg_asym_usl_rms vs run
χ^2 / ndf 58.4 / 45
p0 123.3 ± 0.1316
127
126
125
124
123
122
121
120
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



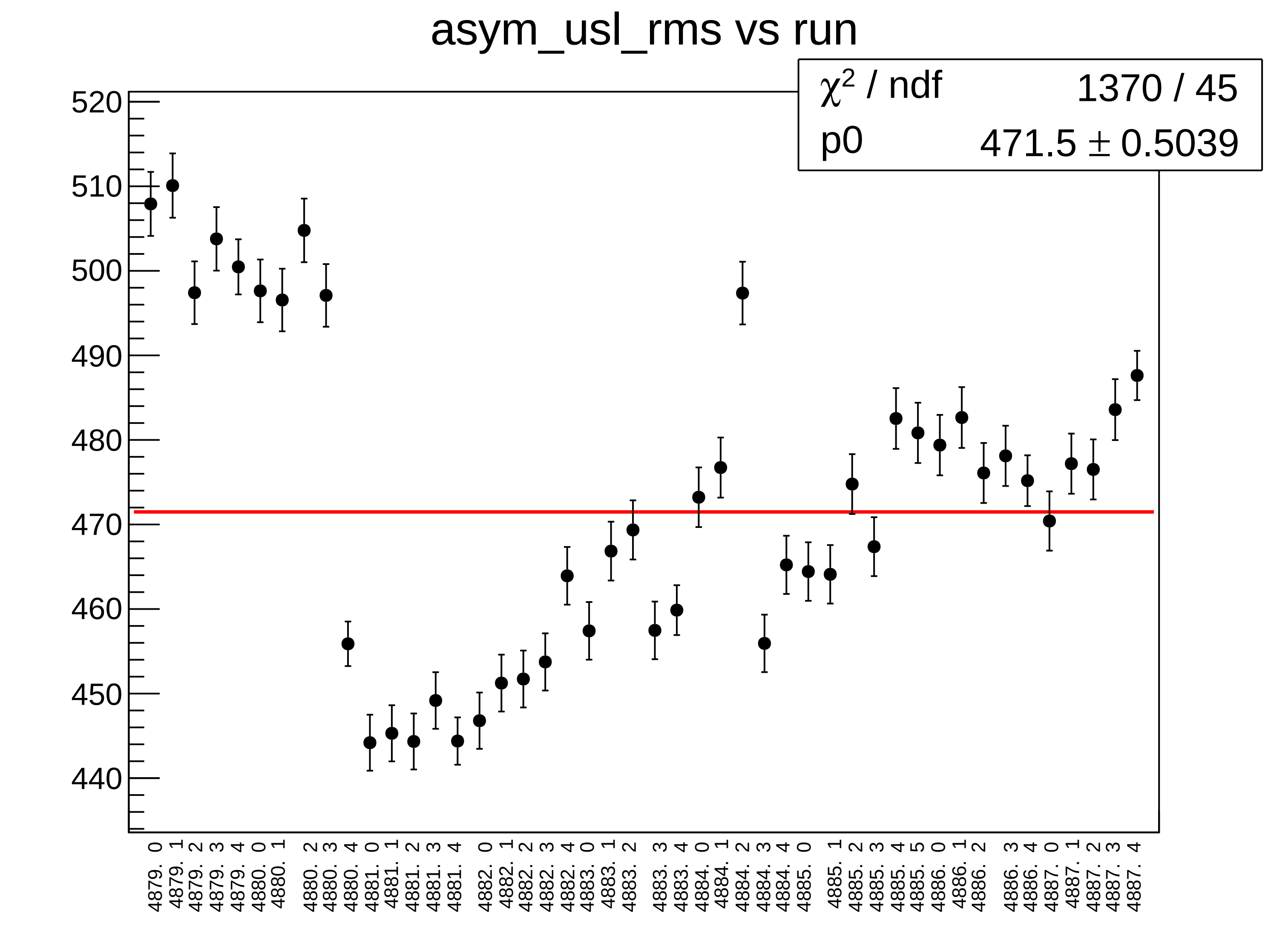
asym_usl_correction_mean vs run
χ^2 / ndf 31.34 / 45
p0 8.059 ± 687.6
15000
10000
5000
0
−5000
−10000
−15000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −181.9
Std Dev 196.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.009536
Std Dev 0.8254
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



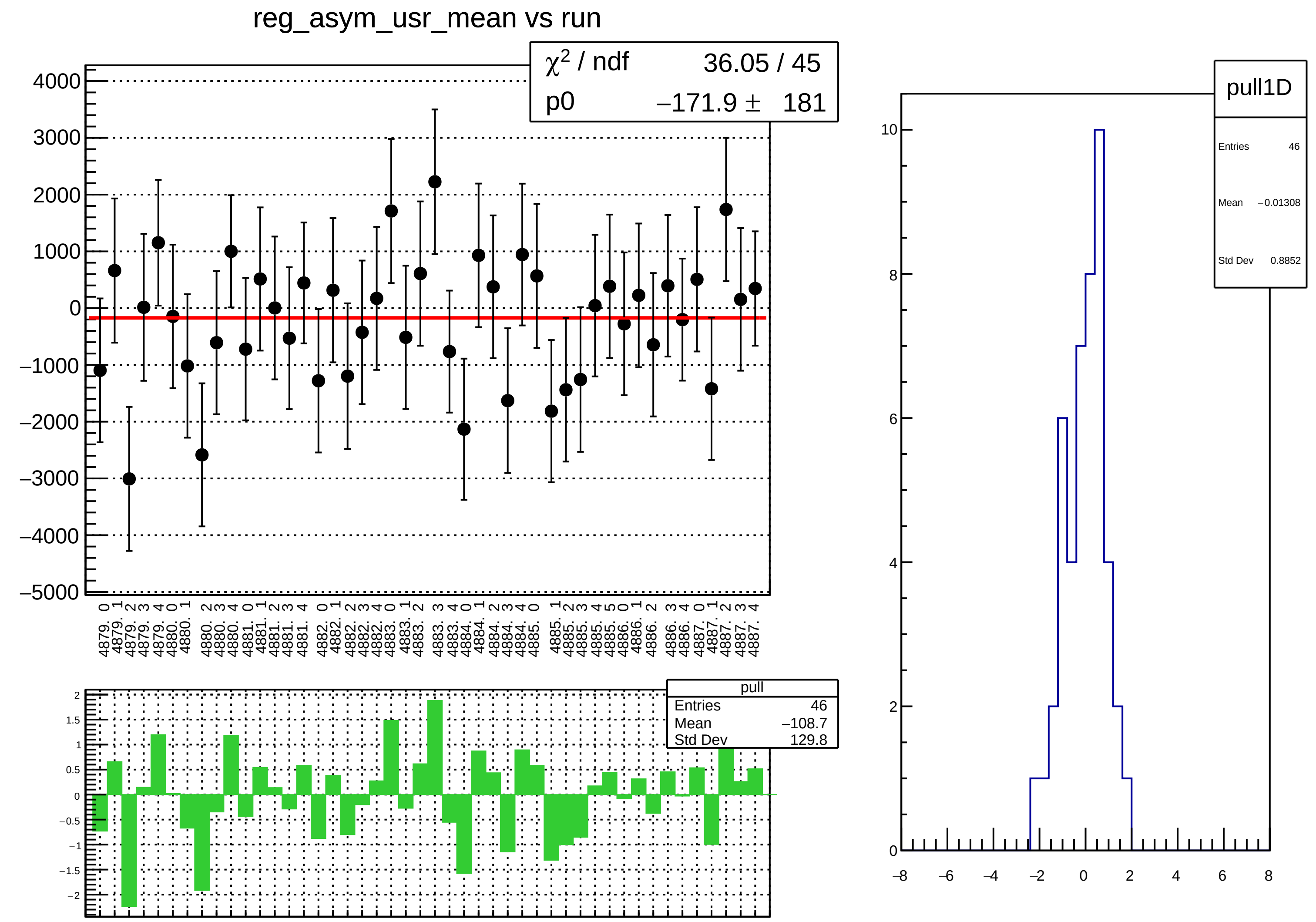
asym_usl_correction_rms vs run
χ² / ndf 1583 / 45
p0 454.9 ± 0.4862
500
490
480
470
460
450
440
430
420
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



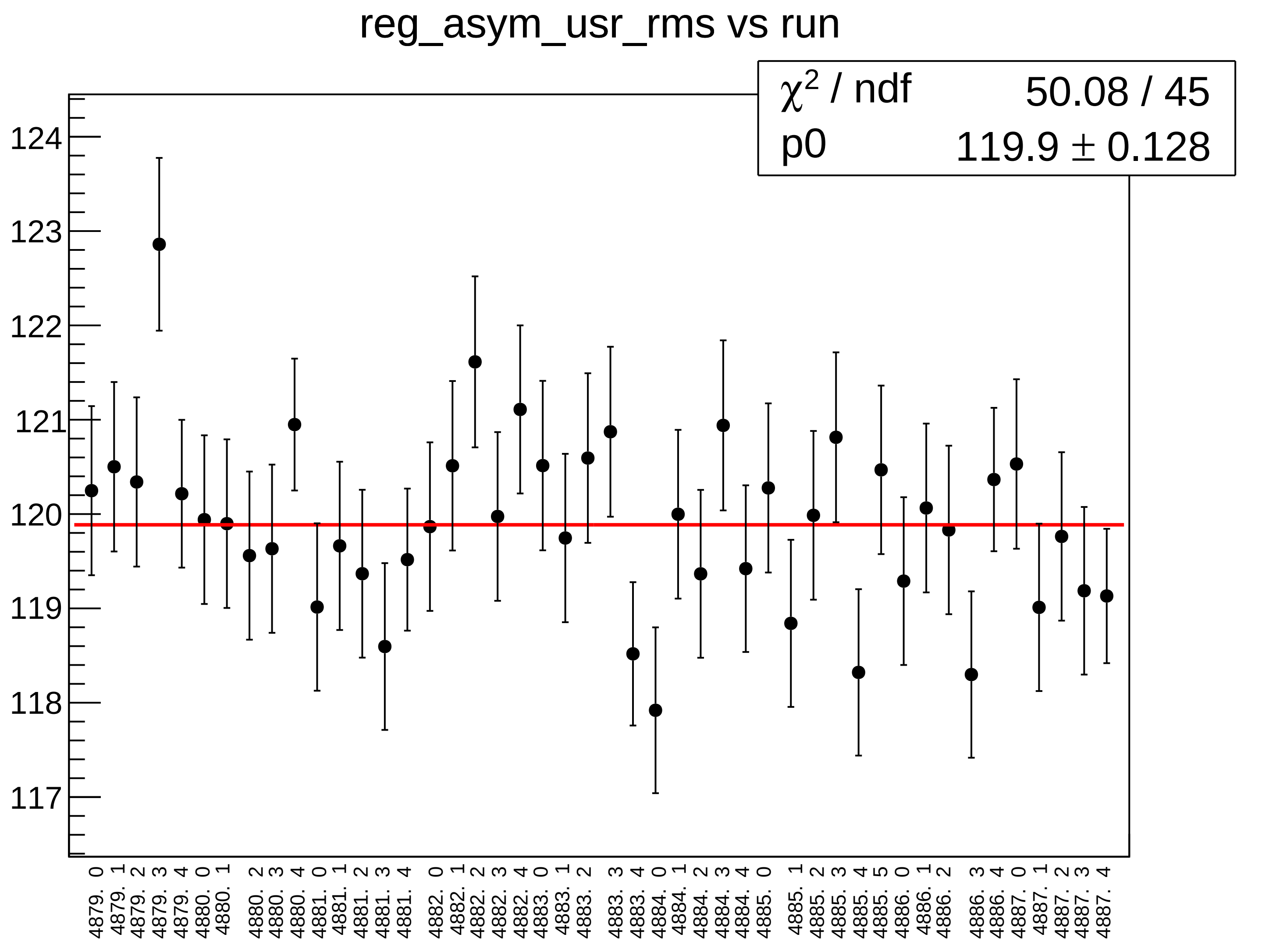
asym_usl_mean vs run
χ^2 / ndf 35.02 / 45
p0 −380.1 ± 712.6
pull
Entries 46
Mean −85.23
Std Dev 98.33
pull1D
Entries 46
Mean 0.01351
Std Dev 0.8725

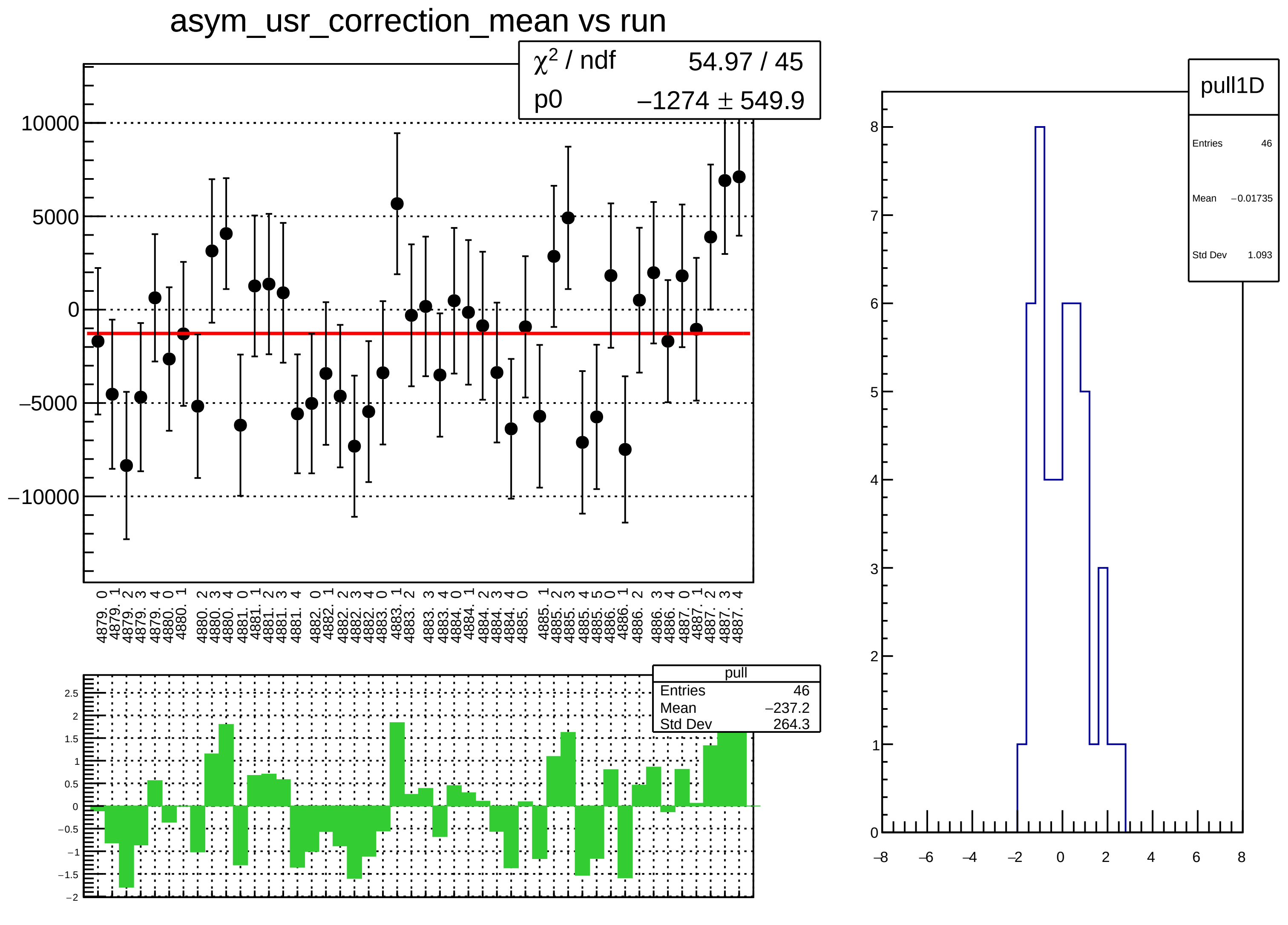


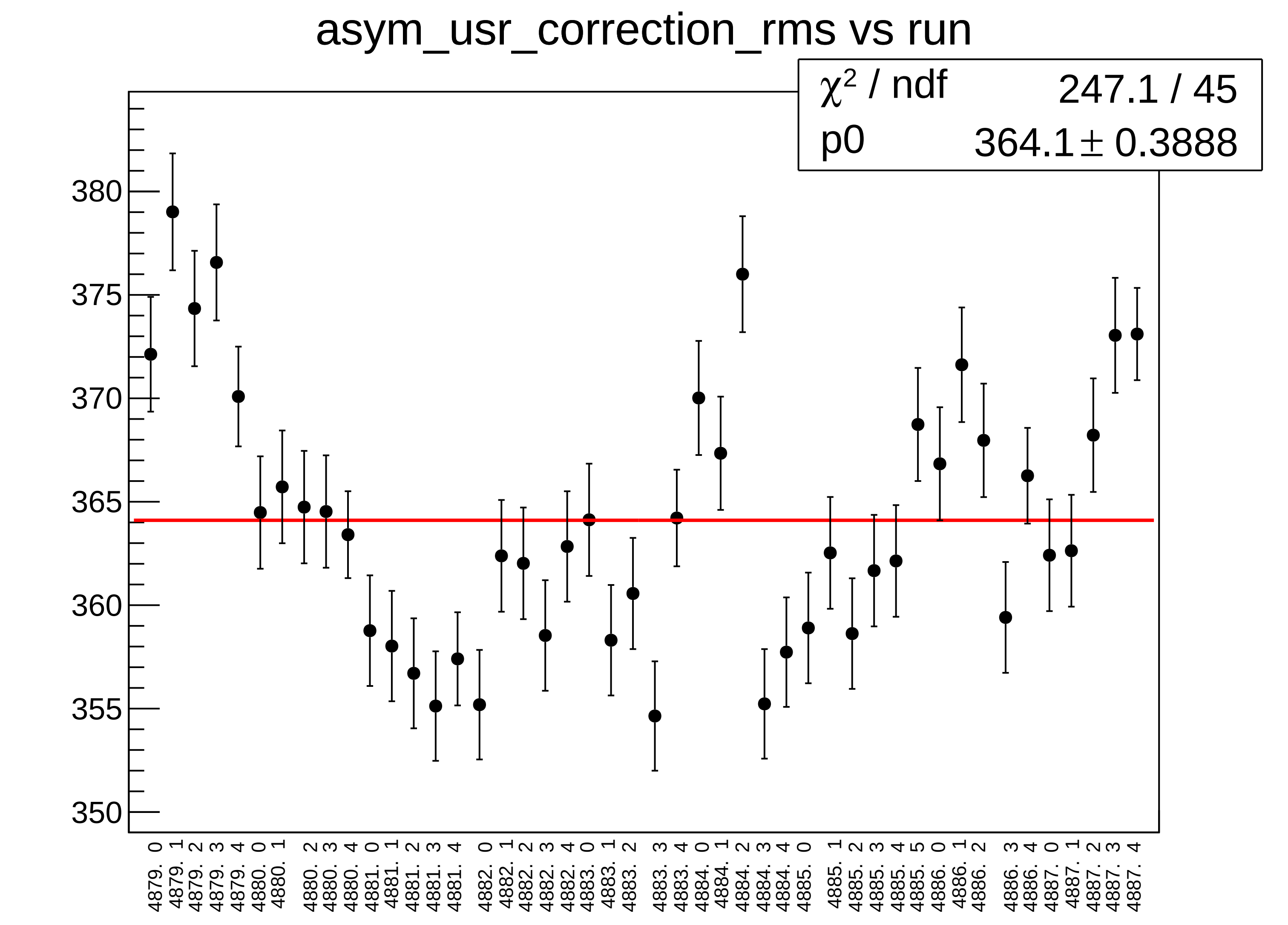
asym_usl_rms vs run
χ^2 / ndf 1370 / 45
p0 471.5 ± 0.5039
520
510
500
490
480
470
460
450
440



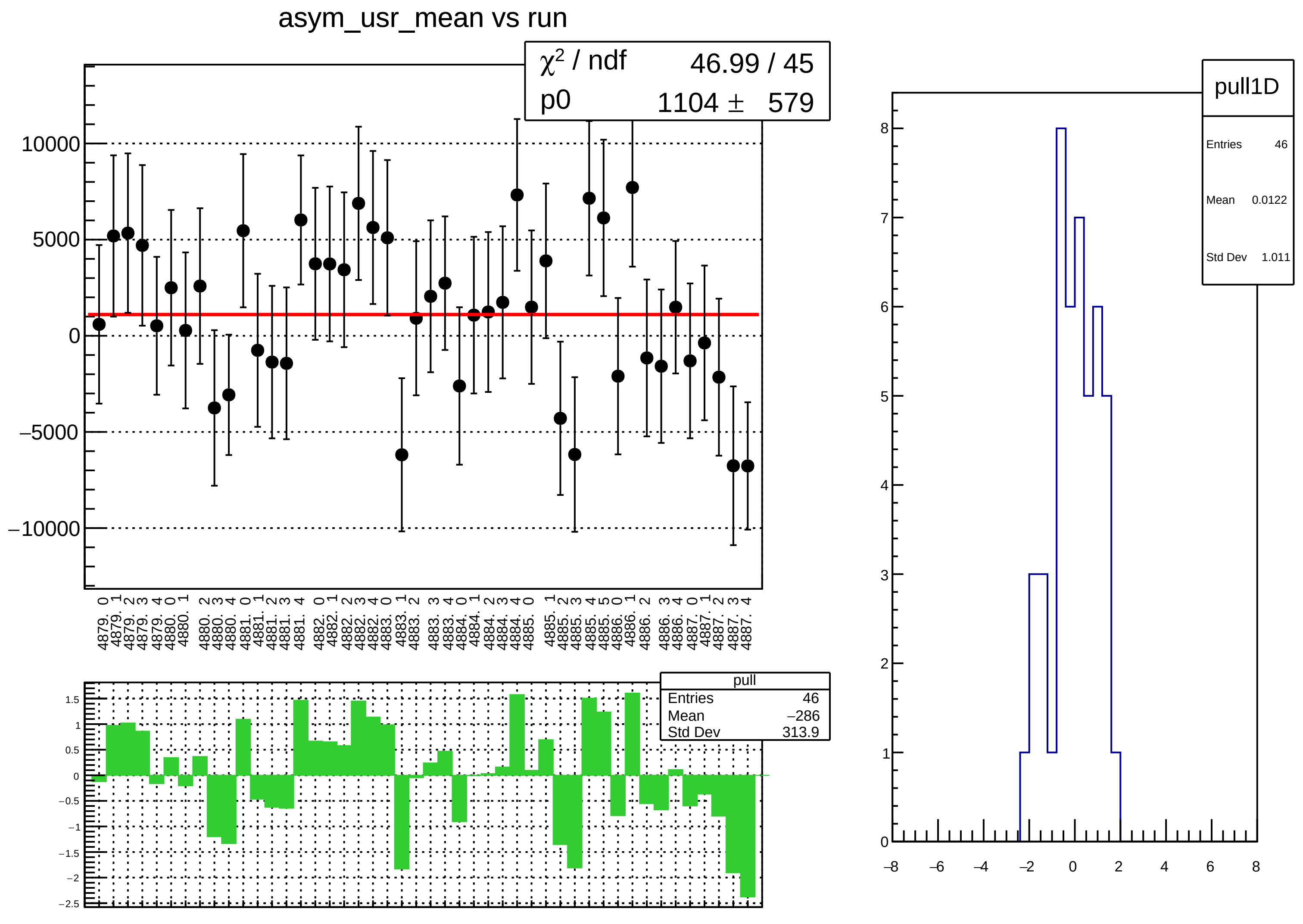
reg_asym_usr_mean vs run
χ^2 / ndf 36.05 / 45
p0 −171.9 ± 181
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −108.7
Std Dev 129.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.01308
Std Dev 0.8852
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ2 / ndf 50.08 / 45
p0 119.9 ± 0.128
124
123
122
121
120
119
118
117
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

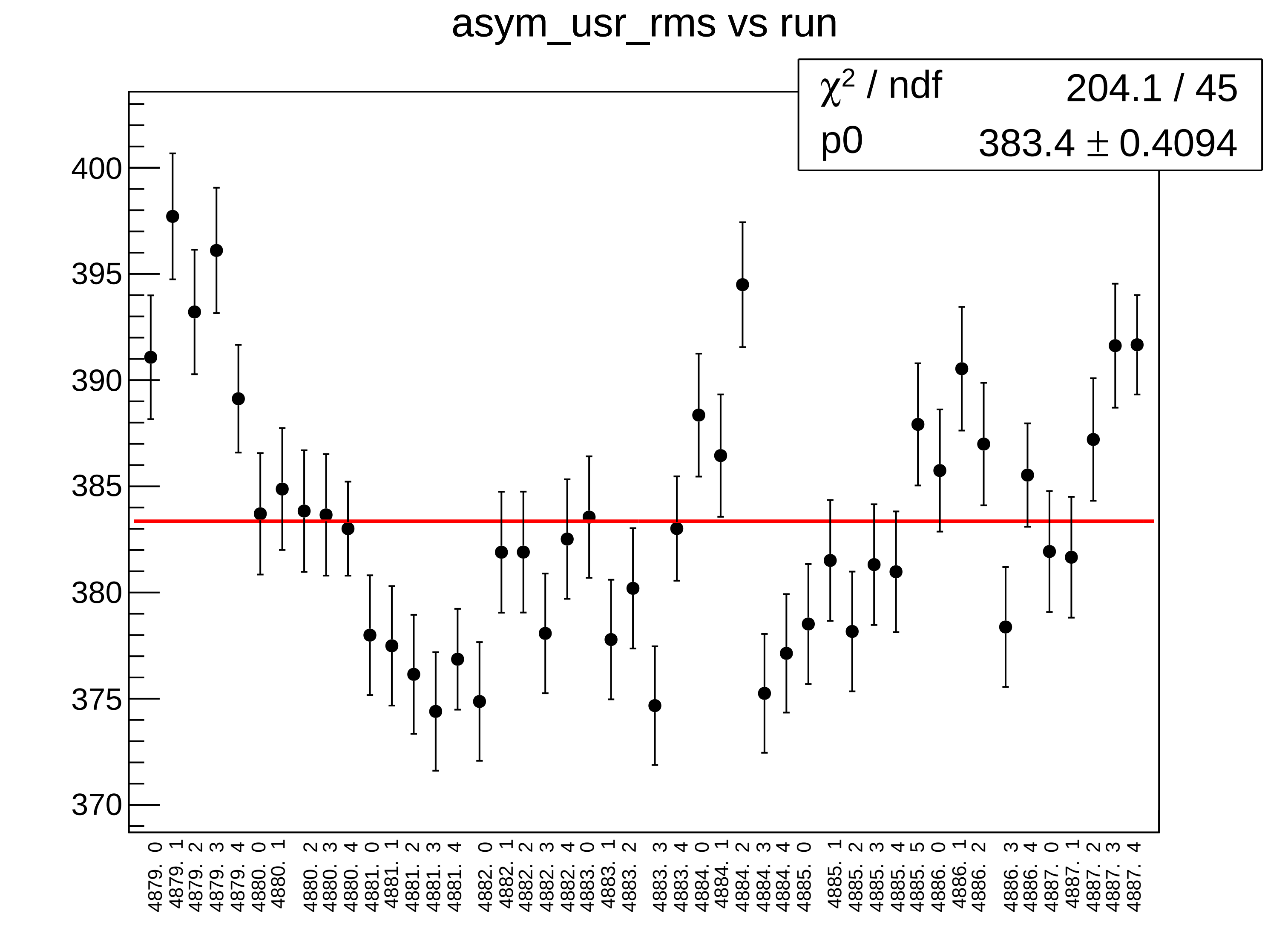

asym_usr_correction_mean vs run
χ^2 / ndf 54.97 / 45
p0 −1274 ± 549.9
pull
Entries 46
Mean −237.2
Std Dev 264.3
pull1D
Entries 46
Mean −0.01735
Std Dev 1.093

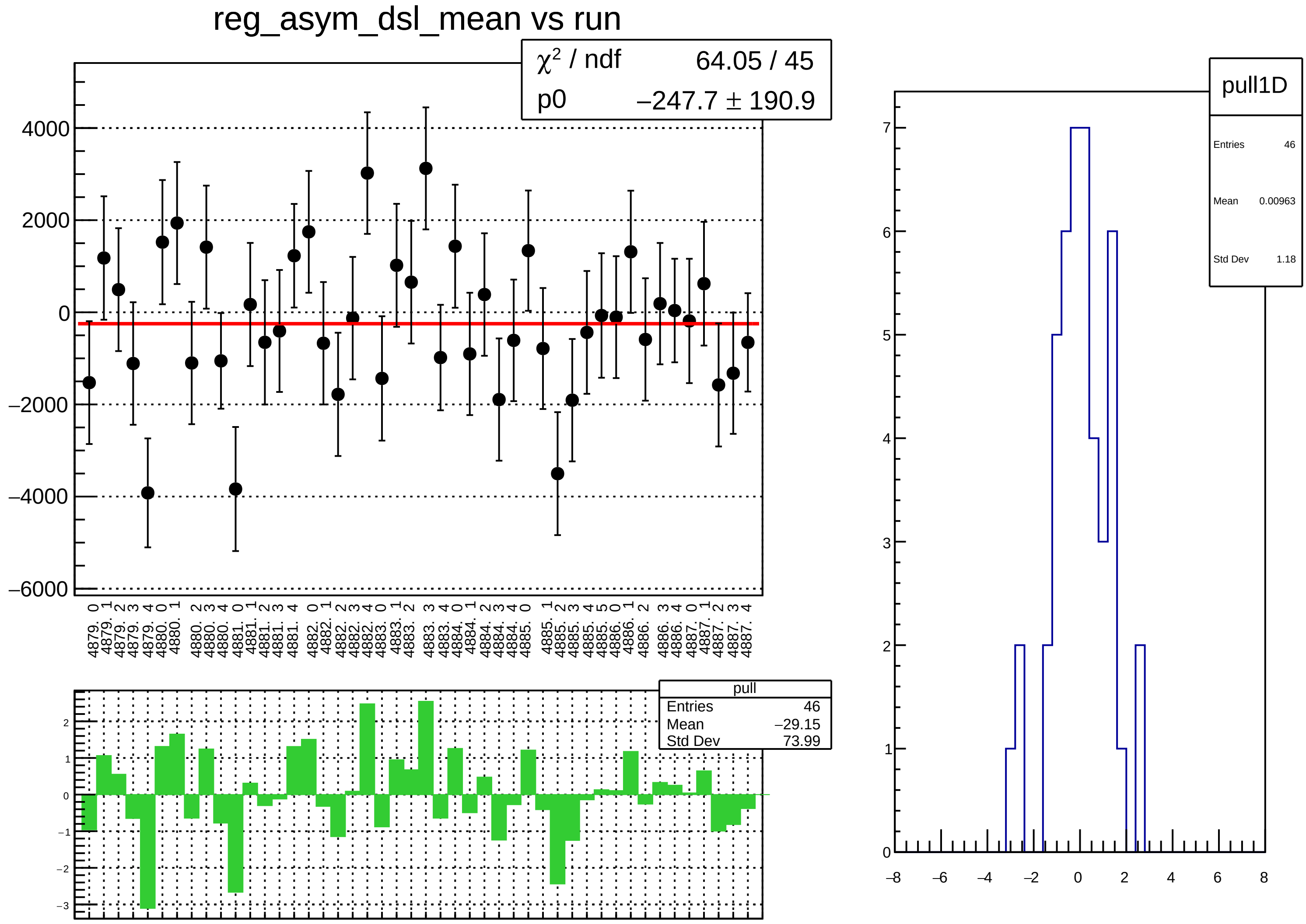


asym_usr_correction_rms vs run
χ^2 / ndf 247.1 / 45
p0 364.1 ± 0.3888
380
375
370
365
360
355
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

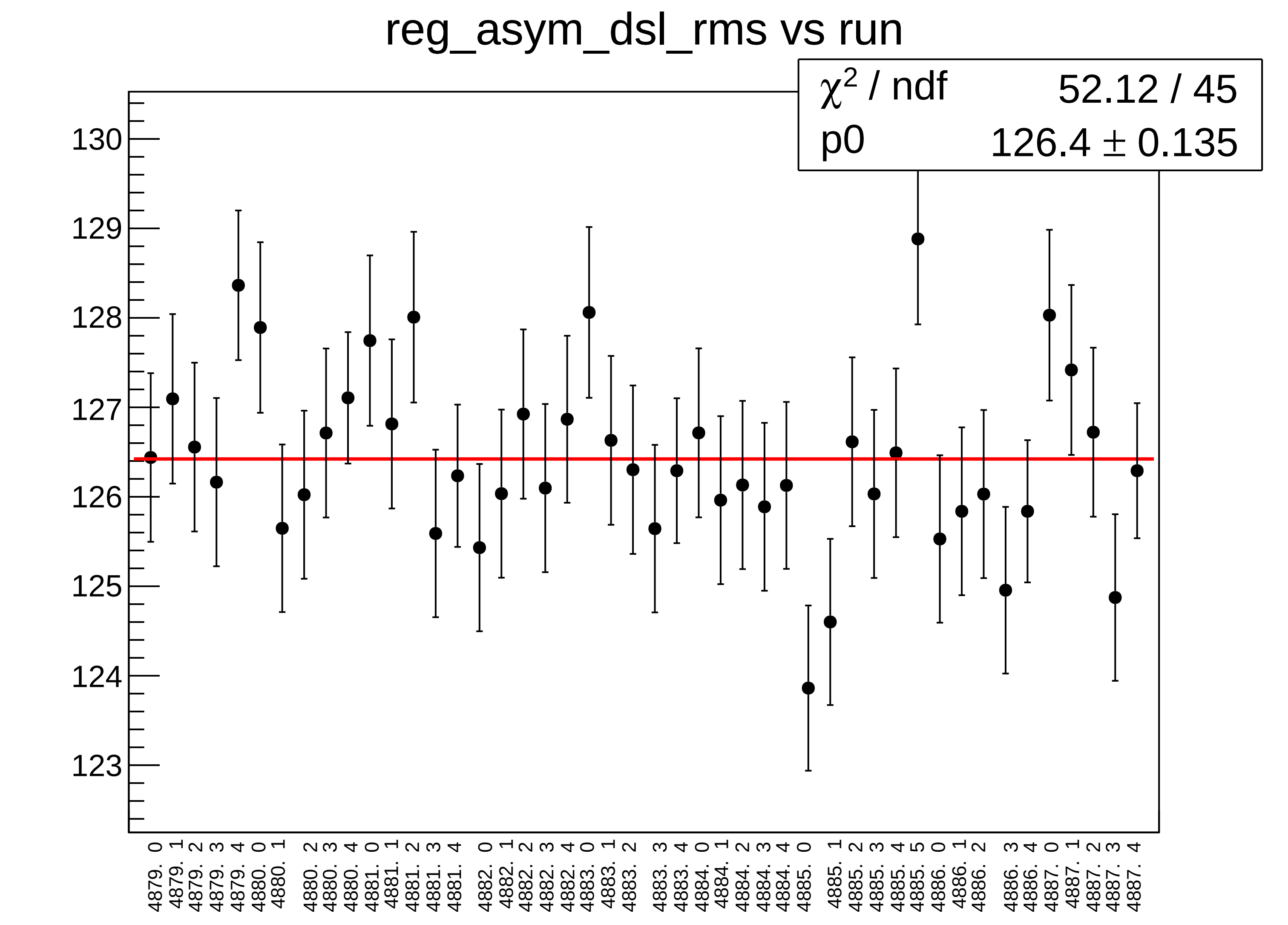


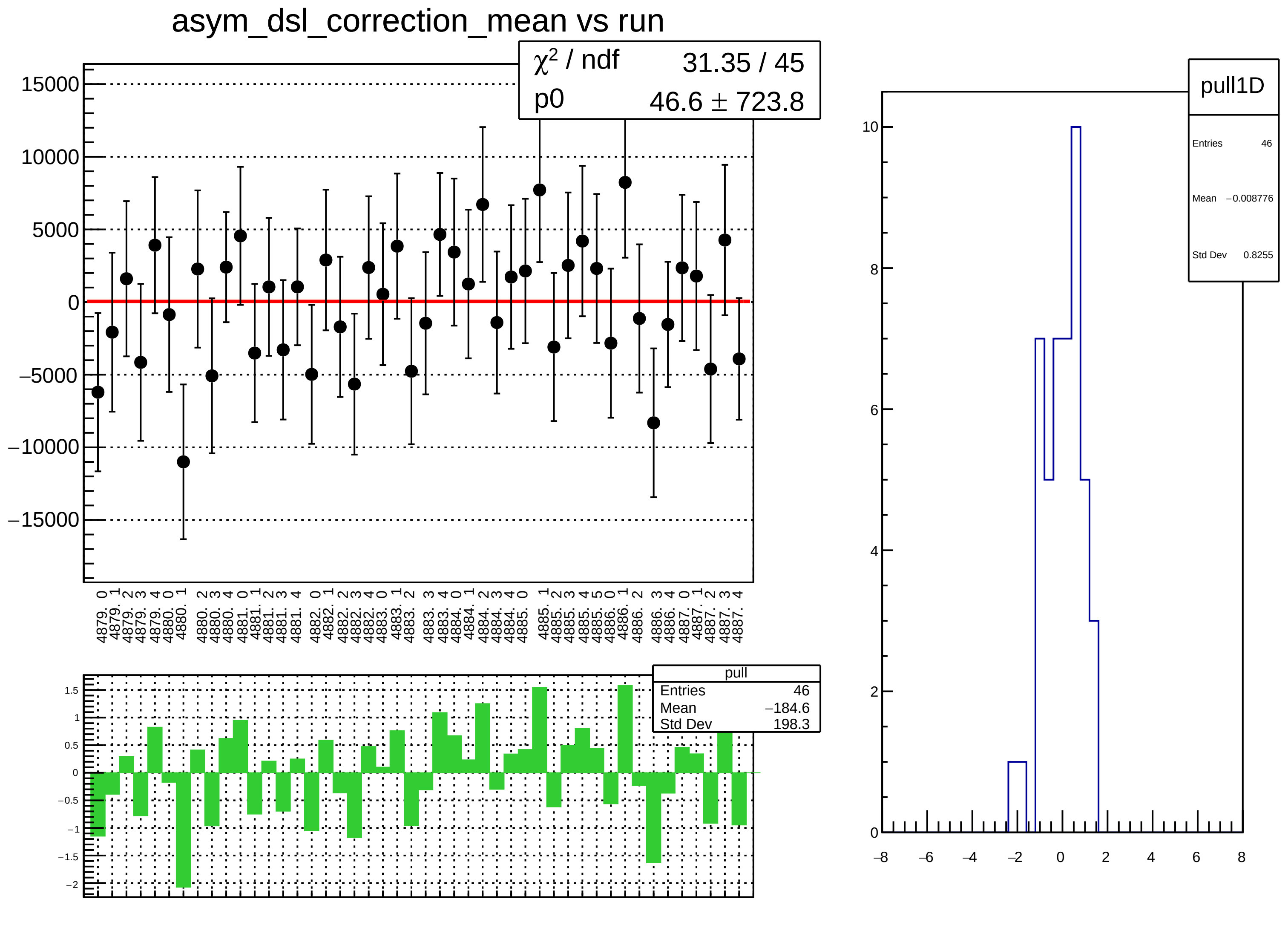
asym_usr_mean vs run
χ2 / ndf 46.99 / 45
p0 1104 ± 579
pull
Entries 46
Mean −286
Std Dev 313.9
pull1D
Entries 46
Mean 0.0122
Std Dev 1.011

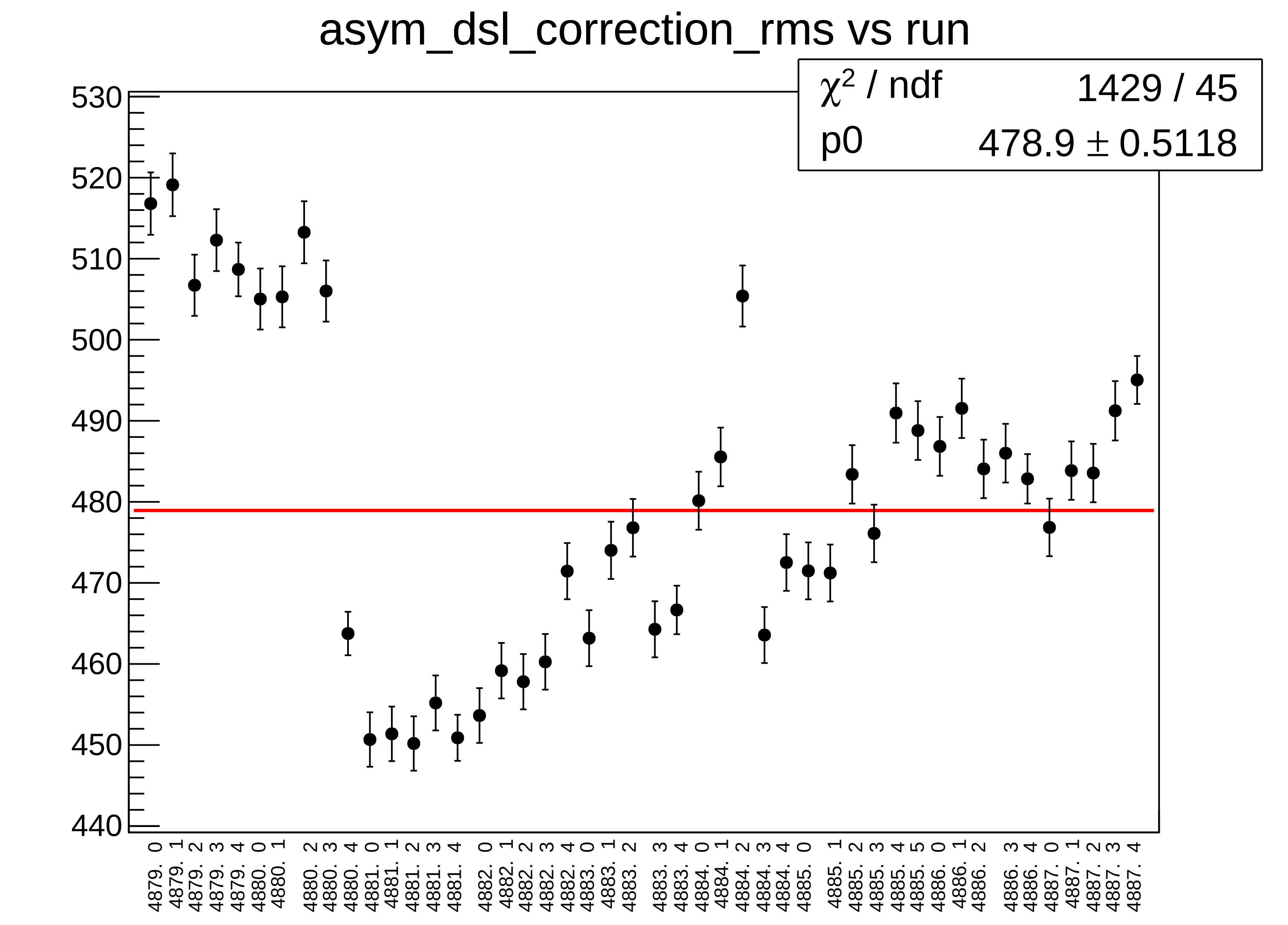

asym_usr_rms vs run
χ^2 / ndf 204.1 / 45
p0 383.4 ± 0.4094
400
395
390
385
380
375
370
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

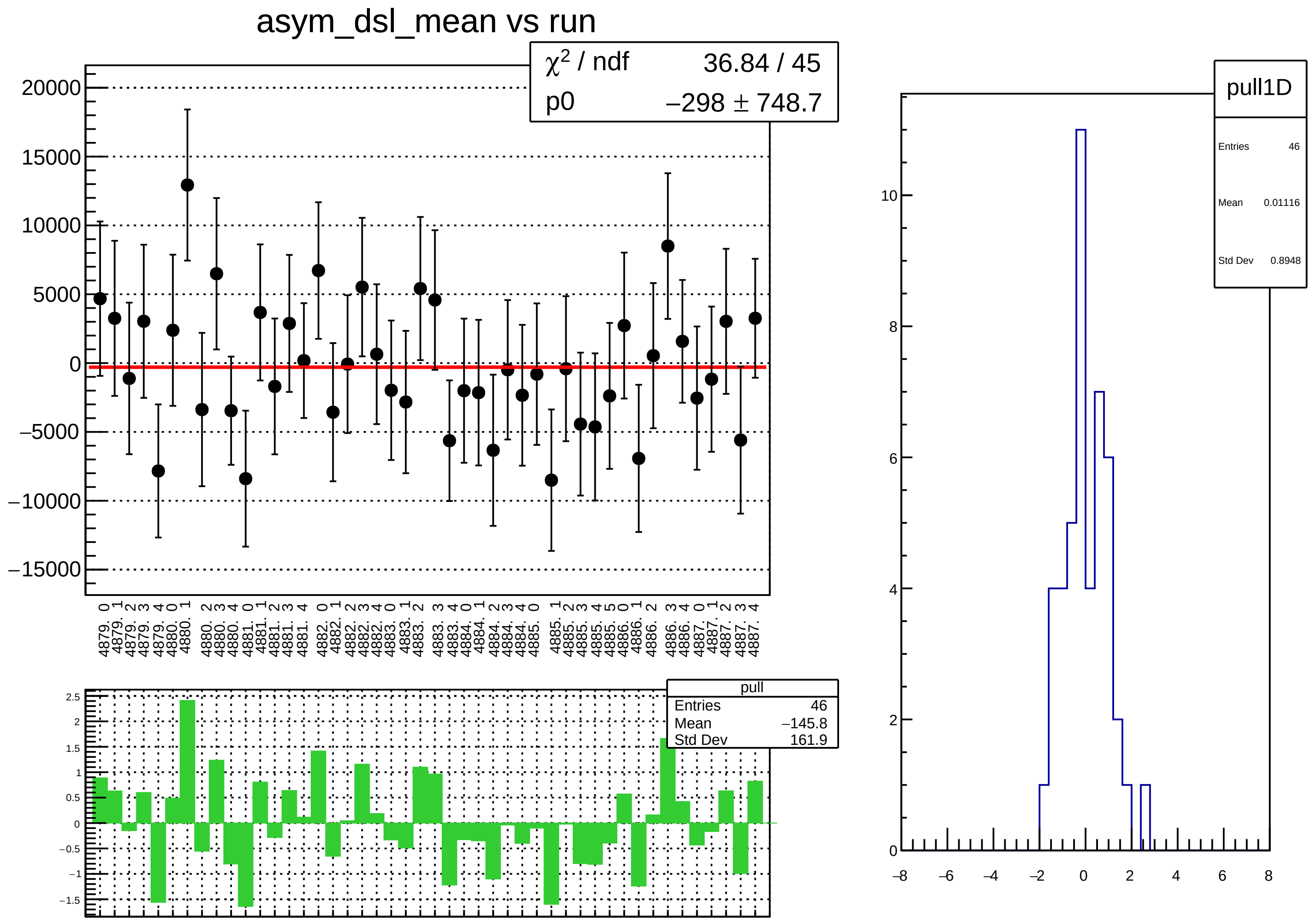


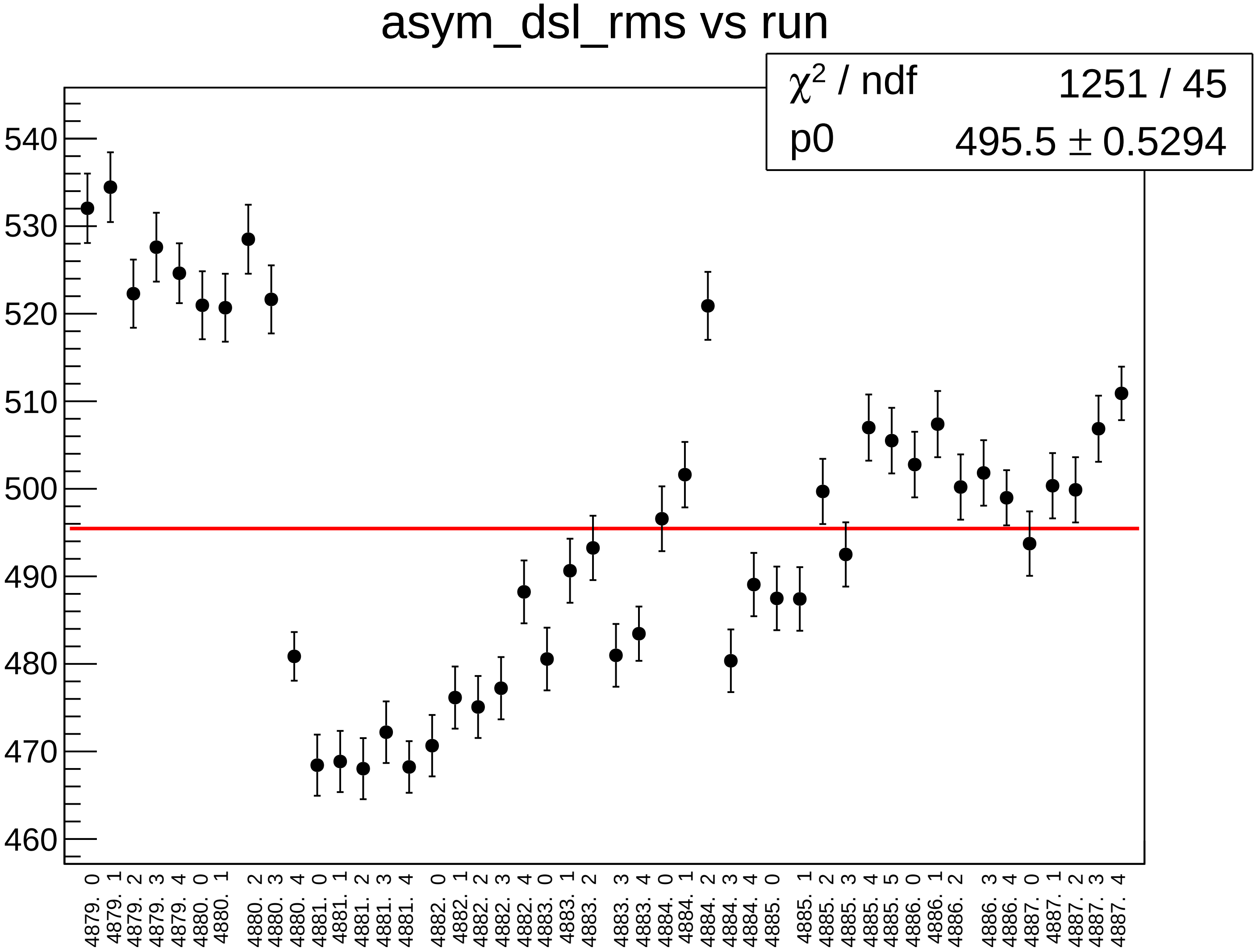
reg_asym_dsl_mean vs run
χ^2 / ndf 64.05 / 45
p0 −247.7 ± 190.9
4000
2000
0
−2000
−4000
−6000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −29.15
Std Dev 73.99
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.00963
Std Dev 1.18
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

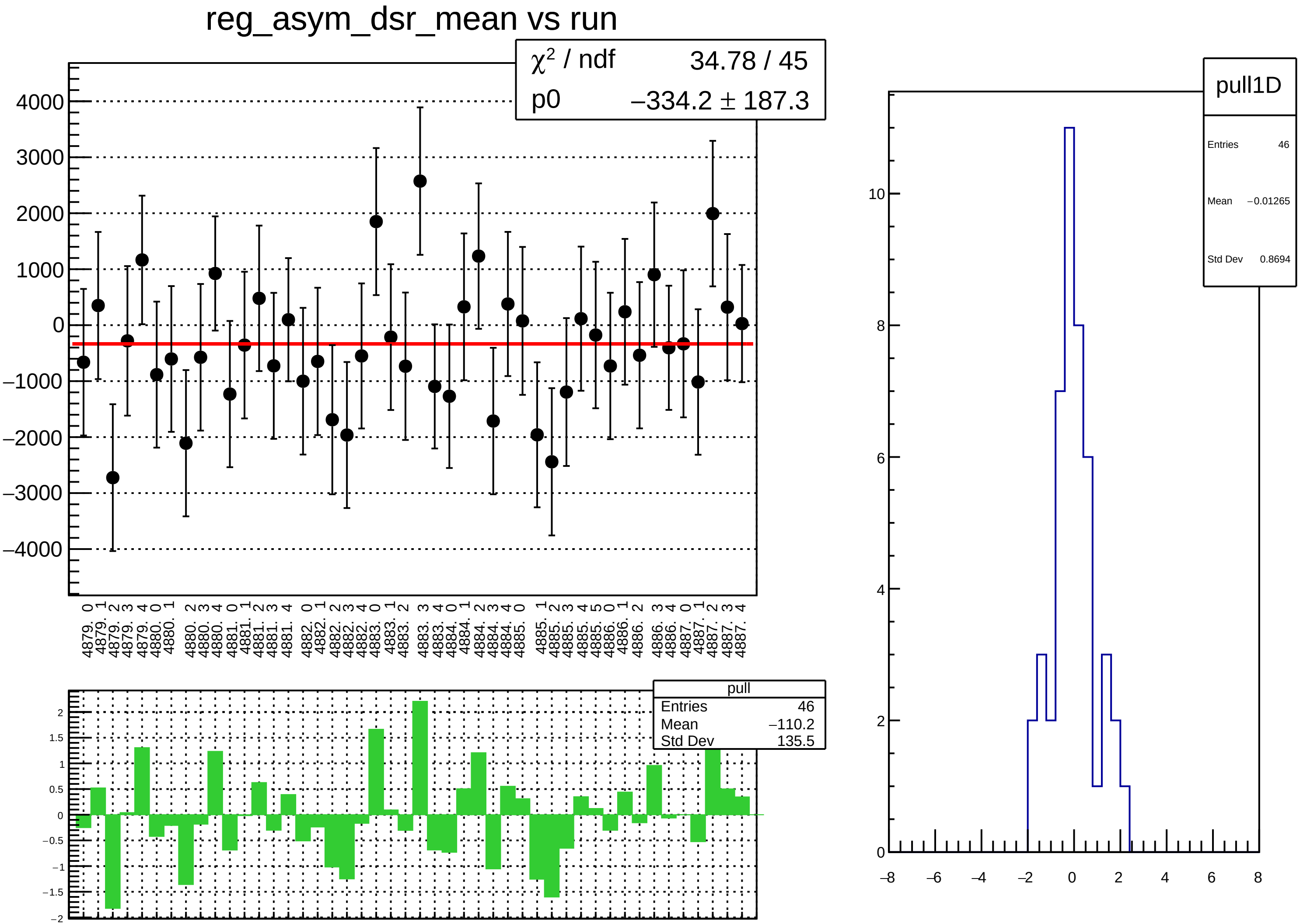

reg_asym_dsl_rms vs run
χ^2 / ndf 52.12 / 45
p0 126.4 ± 0.135
123
124
125
126
127
128
129
130
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_dsl_correction_mean vs run
χ^2 / ndf 31.35 / 45
p0 46.6 ± 723.8
15000
10000
5000
0
−5000
−10000
−15000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −184.6
Std Dev 198.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.008776
Std Dev 0.8255
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

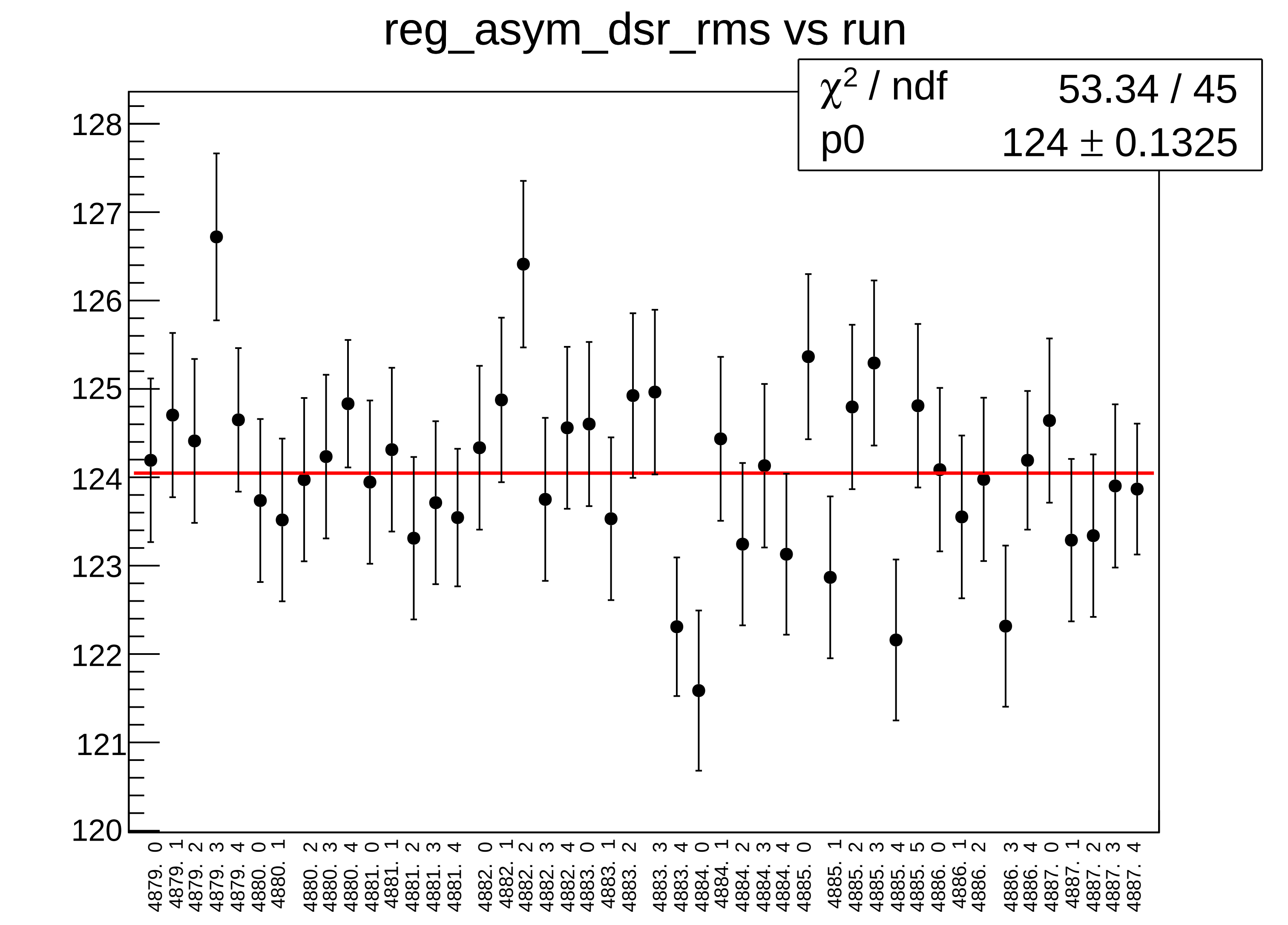

asym_dsl_correction_rms vs run
χ^2 / ndf 1429 / 45
p0 478.9 ± 0.5118
530
520
510
500
490
480
470
460
450
440
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

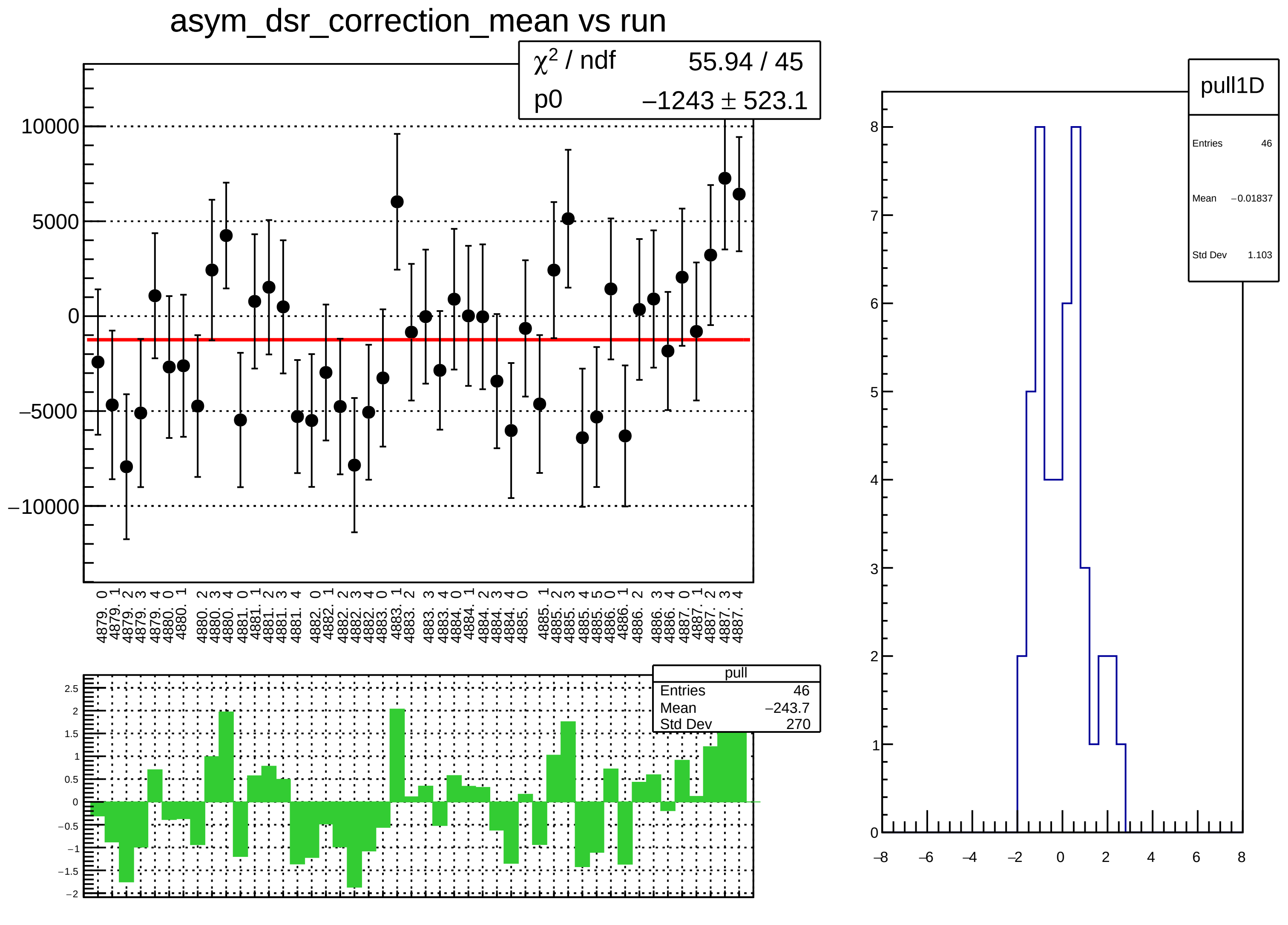

asym_dsl_mean vs run
χ2 / ndf 36.84 / 45
p0 −298 ± 748.7
pull
Entries 46
Mean −145.8
Std Dev 161.9
pull1D
Entries 46
Mean 0.01116
Std Dev 0.8948


asym_dsl_rms vs run
χ2 / ndf 1251 / 45
p0 495.5 ± 0.5294
540
530
520
510
500
490
480
470
460
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4

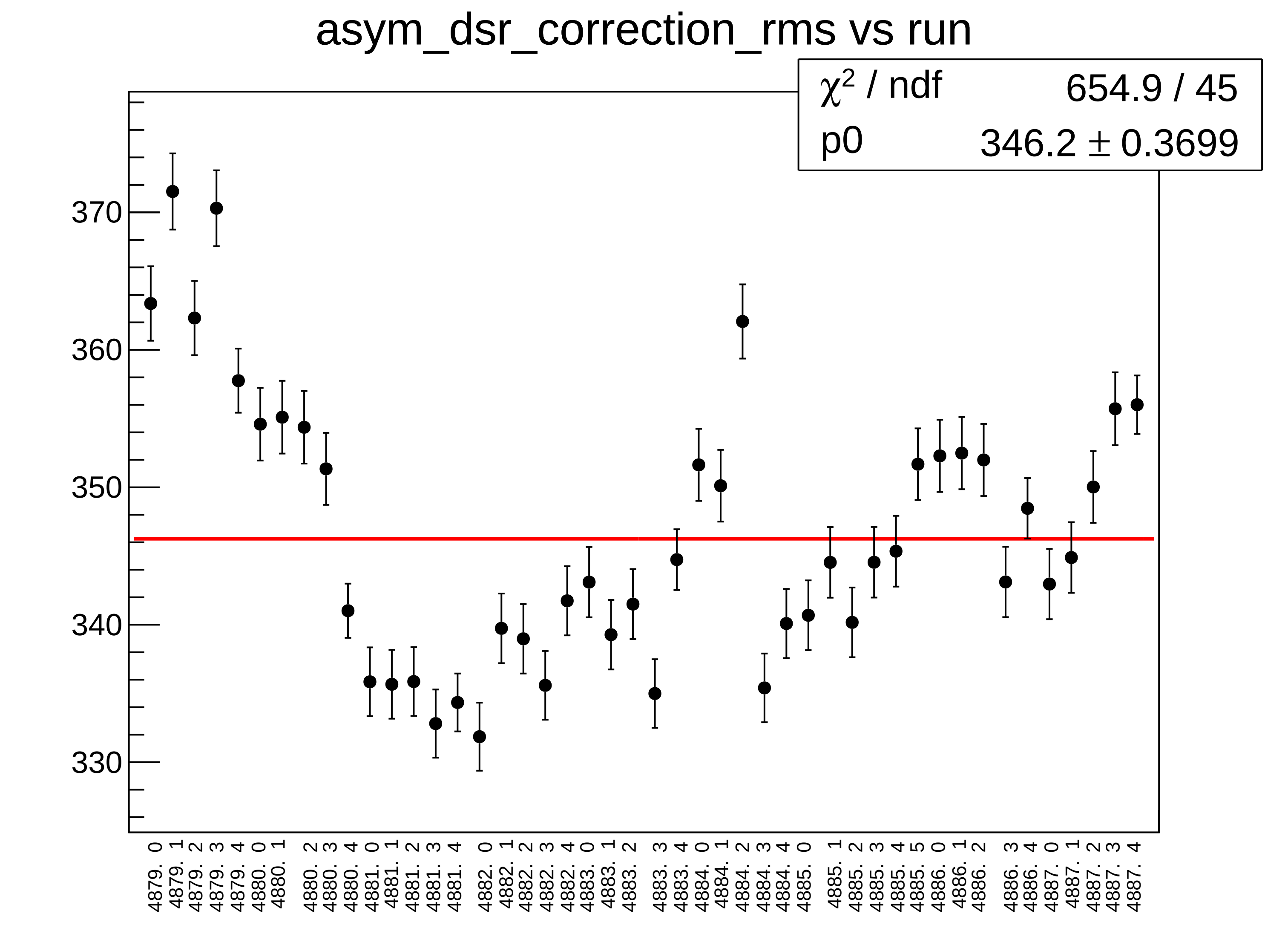


reg_asym_dsr_mean vs run
χ2 / ndf 34.78 / 45
p0 −334.2 ± 187.3
pull
Entries 46
Mean −110.2
Std Dev 135.5
pull1D
Entries 46
Mean −0.01265
Std Dev 0.8694


reg_asym_dsr_rms vs run
χ2 / ndf 53.34 / 45
p0 124 ± 0.1325
120
121
122
123
124
125
126
127
128
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_dsr_correction_mean vs run
χ^2 / ndf 55.94 / 45
p0 −1243 ± 523.1
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −243.7
Std Dev 270
pull1D
Entries 46
Mean −0.01837
Std Dev 1.103



asym_dsr_correction_rms vs run
χ^2 / ndf 654.9 / 45
p0 346.2 ± 0.3699
370
360
350
340
330
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4881. 4
4882. 0
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4882. 2
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4882. 4
4883. 0
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4883. 3
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4884. 3
4884. 4
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4885. 2
4885. 3
4885. 4
4885. 5
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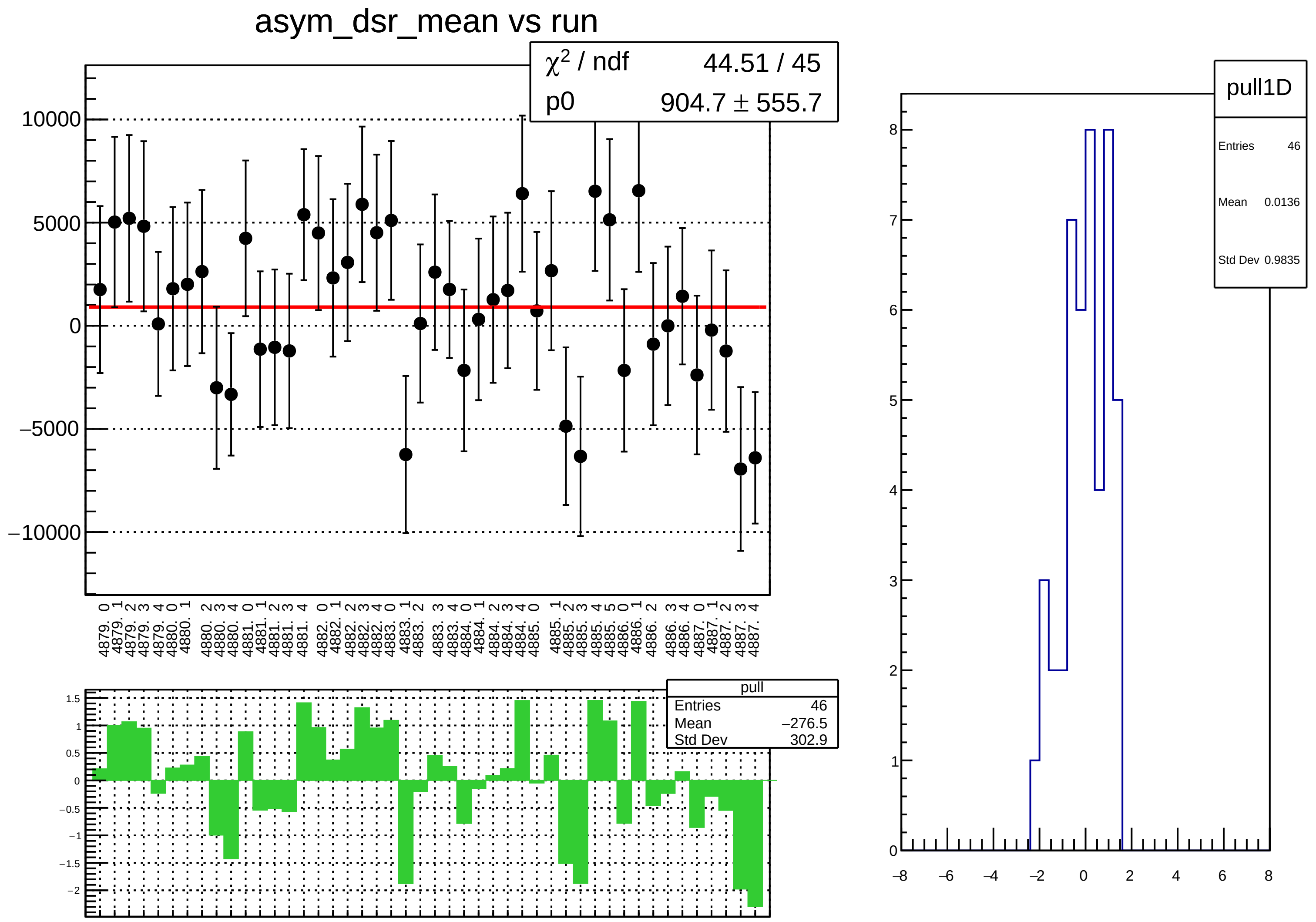
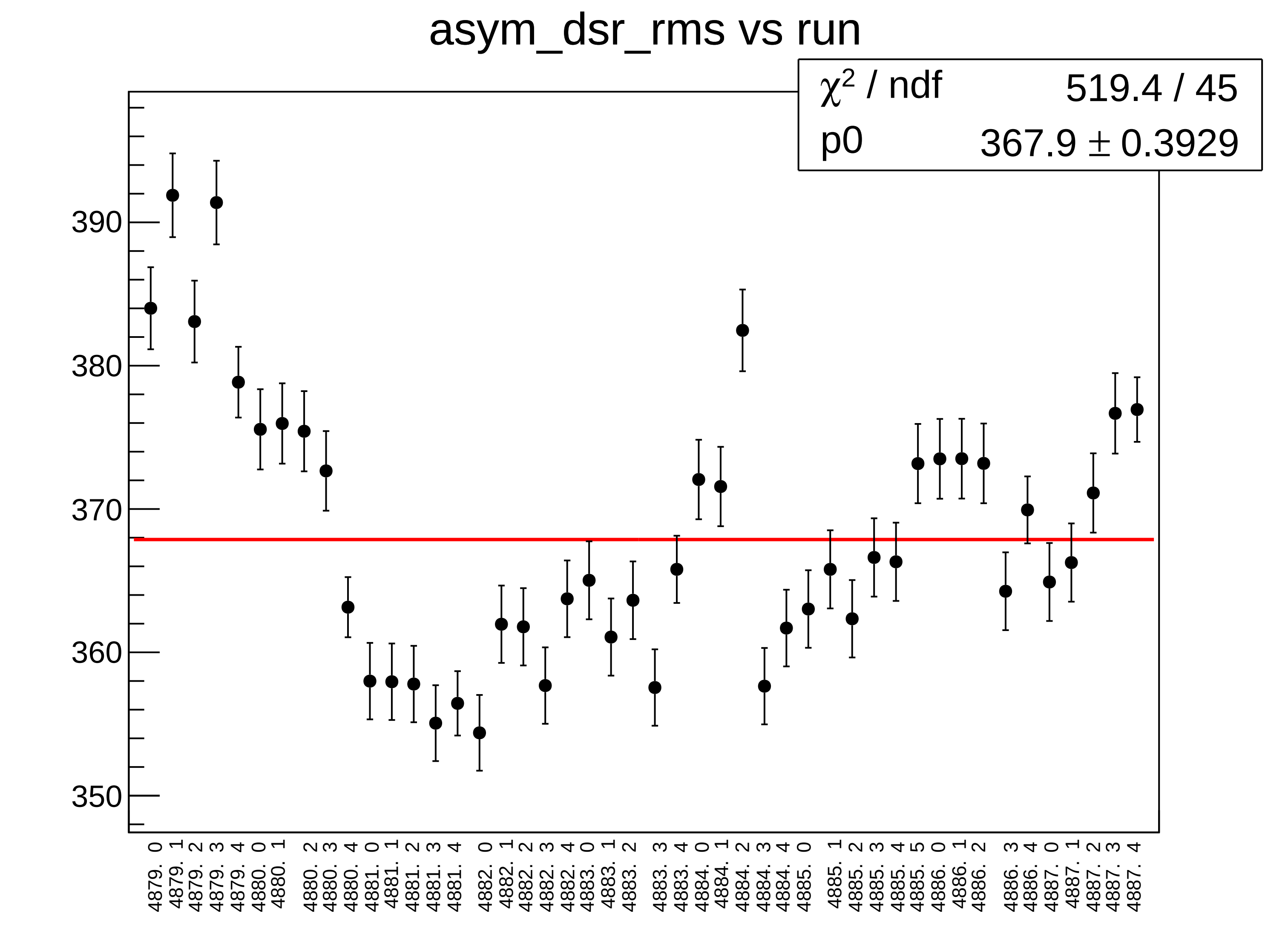
4887. 4


asym_dsr_mean vs run
χ^2 / ndf 44.51 / 45
p0 904.7 ± 555.7
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −276.5
Std Dev 302.9
pull1D
Entries 46
Mean 0.0136
Std Dev 0.9835


asym_dsr_rms vs run
χ2 / ndf 519.4 / 45
p0 367.9 ± 0.3929
390
380
370
360
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
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4884. 2
4884. 3
4884. 4
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4885. 2
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4885. 4
4885. 5
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4887. 0
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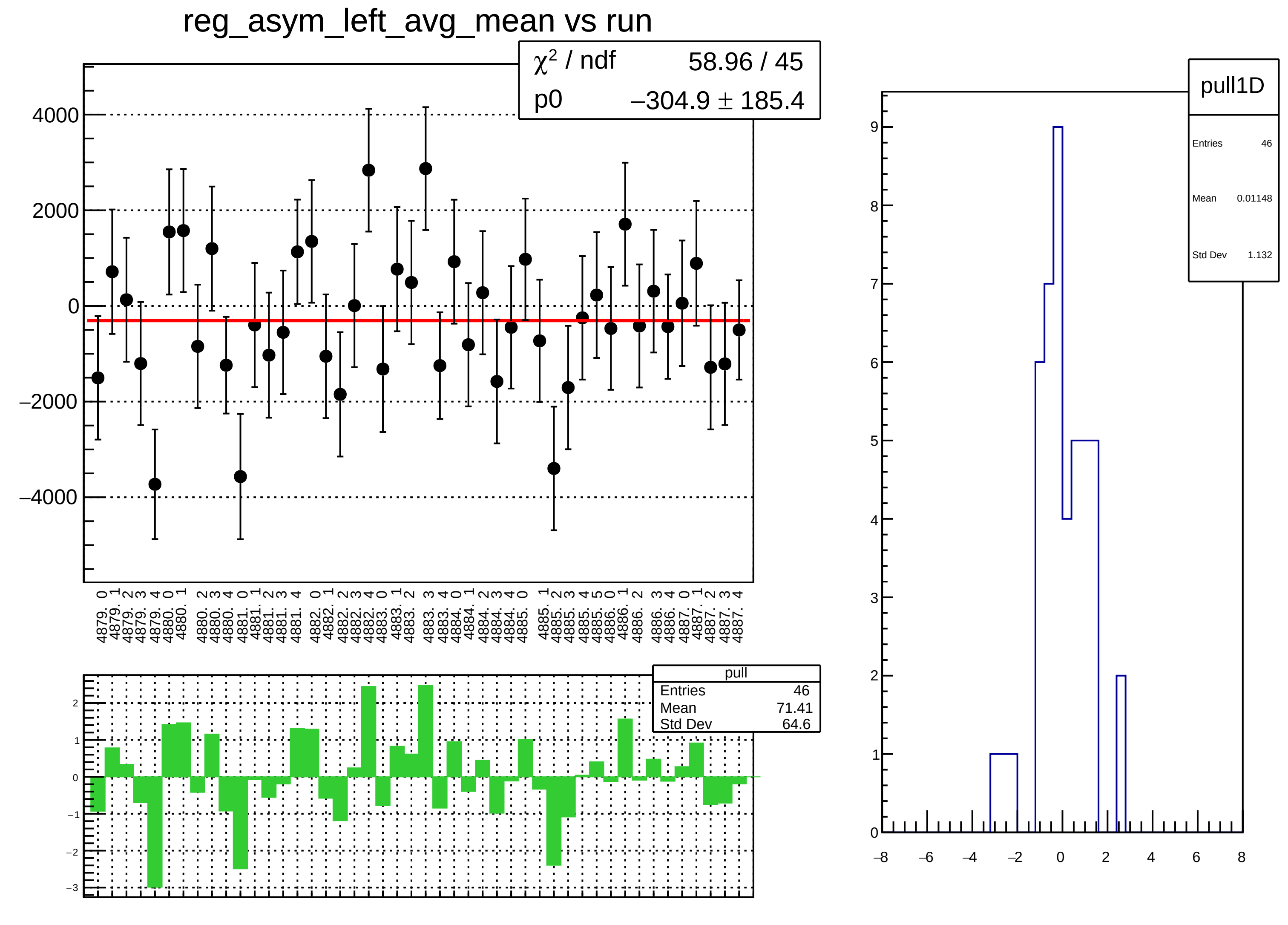
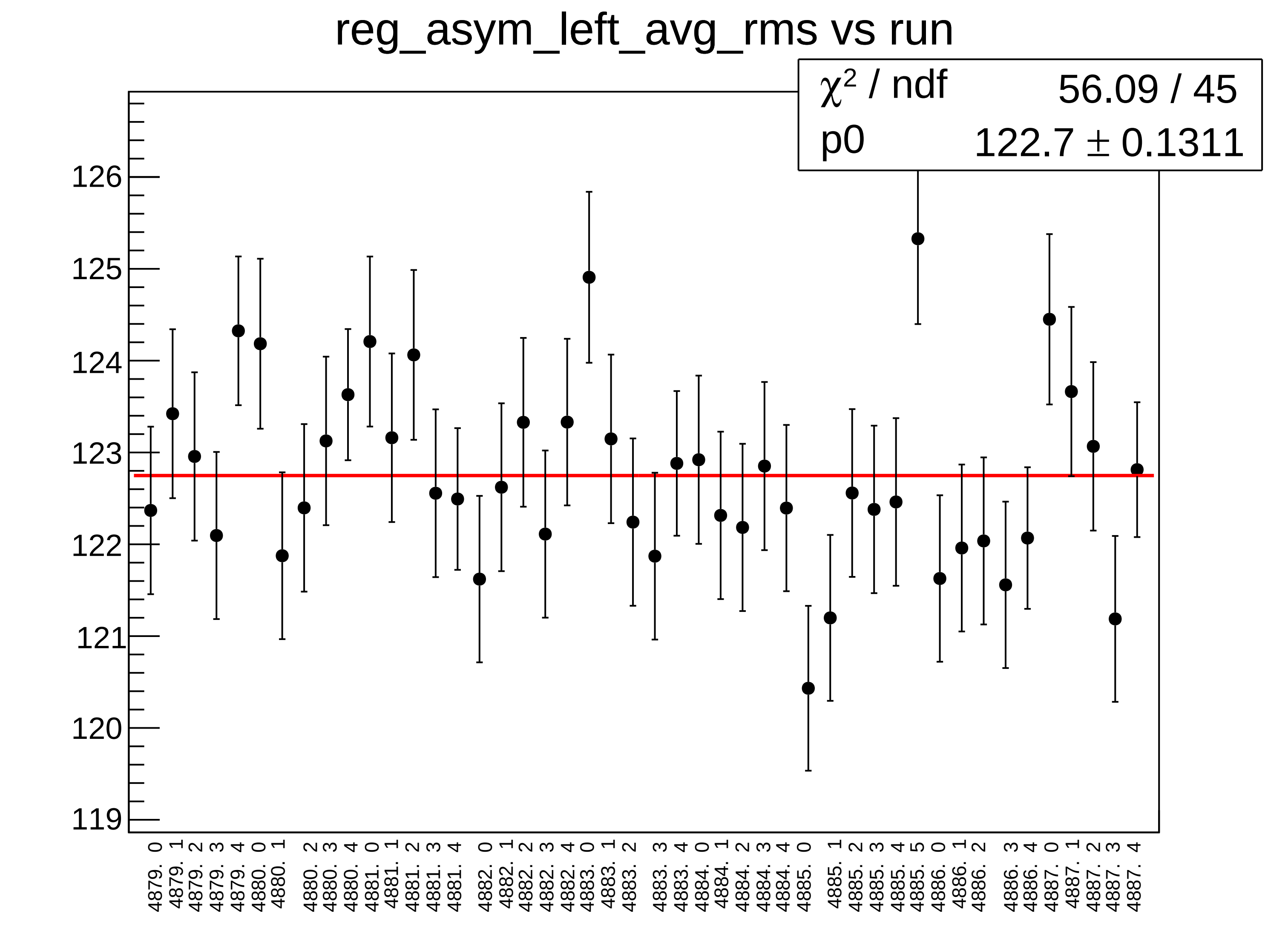


reg_asym_left_avg_mean vs run
χ2 / ndf 58.96 / 45
p0 −304.9 ± 185.4
pull
Entries 46
Mean 71.41
Std Dev 64.6
pull1D
Entries 46
Mean 0.01148
Std Dev 1.132


reg_asym_left_avg_rms vs run
χ2 / ndf 56.09 / 45
p0 122.7 ± 0.1311
126
125
124
123
122
121
120
119
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4881. 3
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4884. 0
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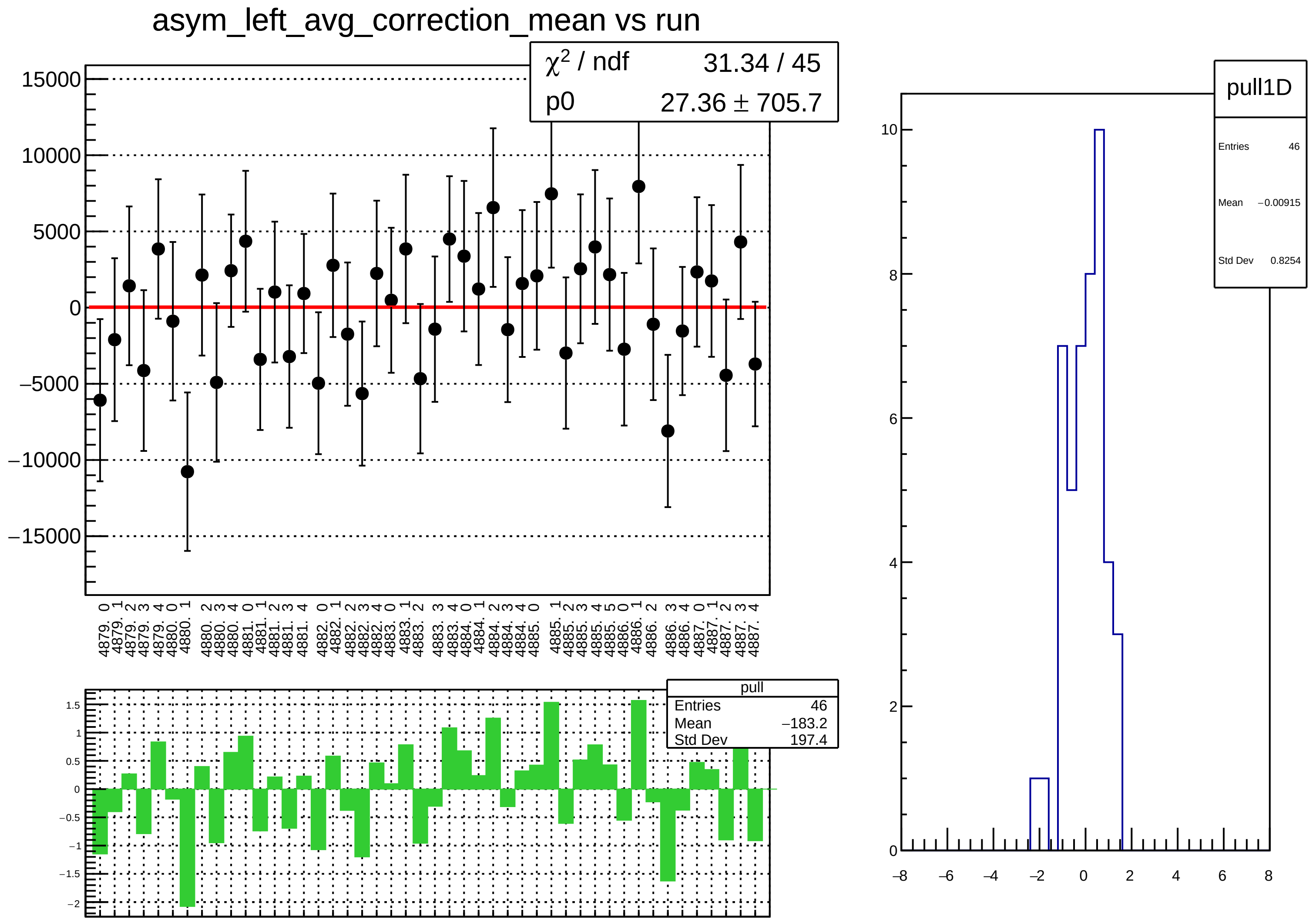
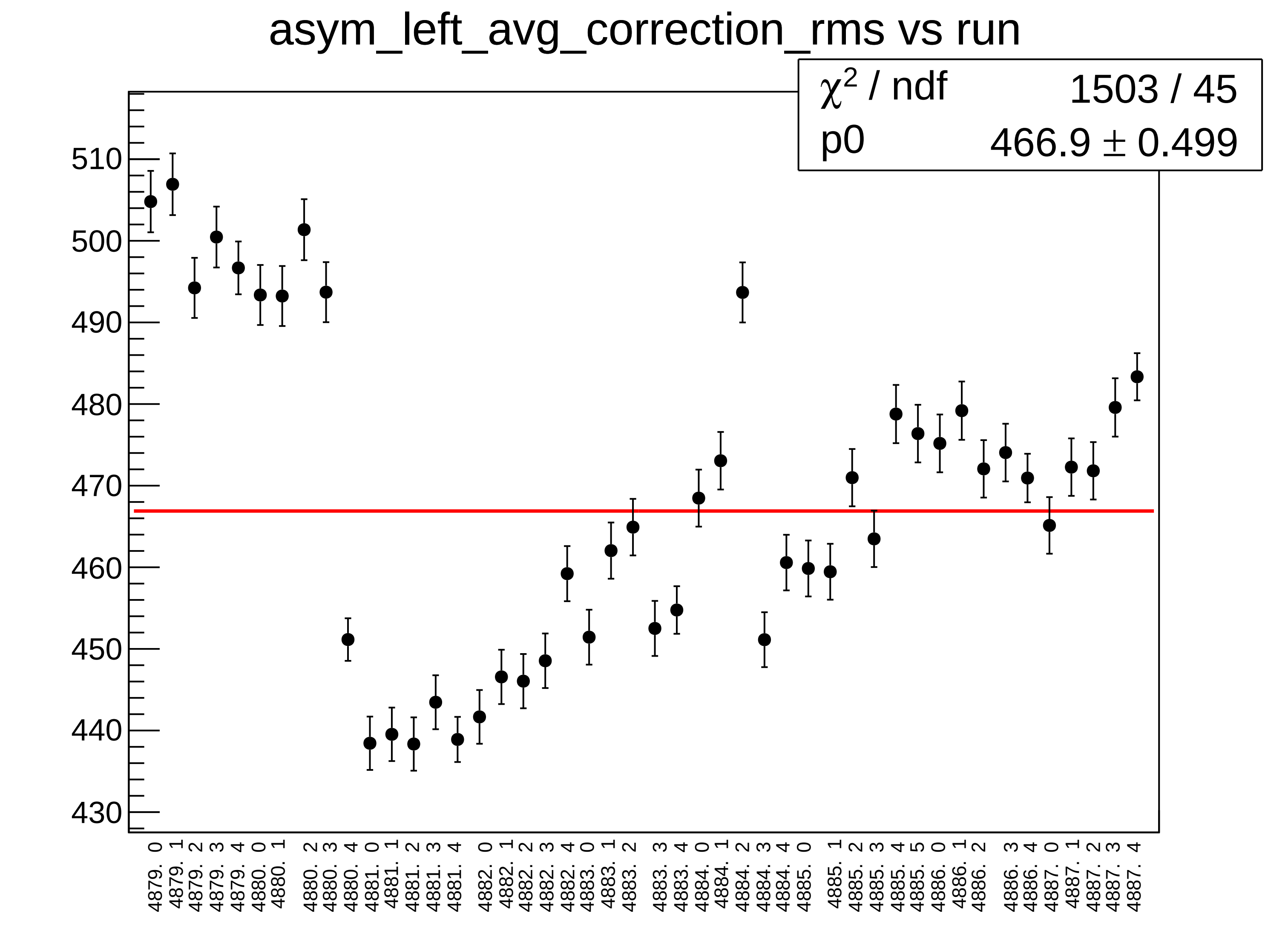
4887. 4



asym_left_avg_correction_mean vs run
χ^2 / ndf 31.34 / 45
p0 27.36 ± 705.7
pull
Entries 46
Mean −183.2
Std Dev 197.4
pull1D
Entries 46
Mean −0.00915
Std Dev 0.8254



asym_left_avg_correction_rms vs run
χ^2 / ndf 1503 / 45
p0 466.9 ± 0.499
510
500
490
480
470
460
450
440
430
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4882. 0
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4882. 3
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4883. 1
4883. 2
4883. 3
4883. 4
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
4887. 0
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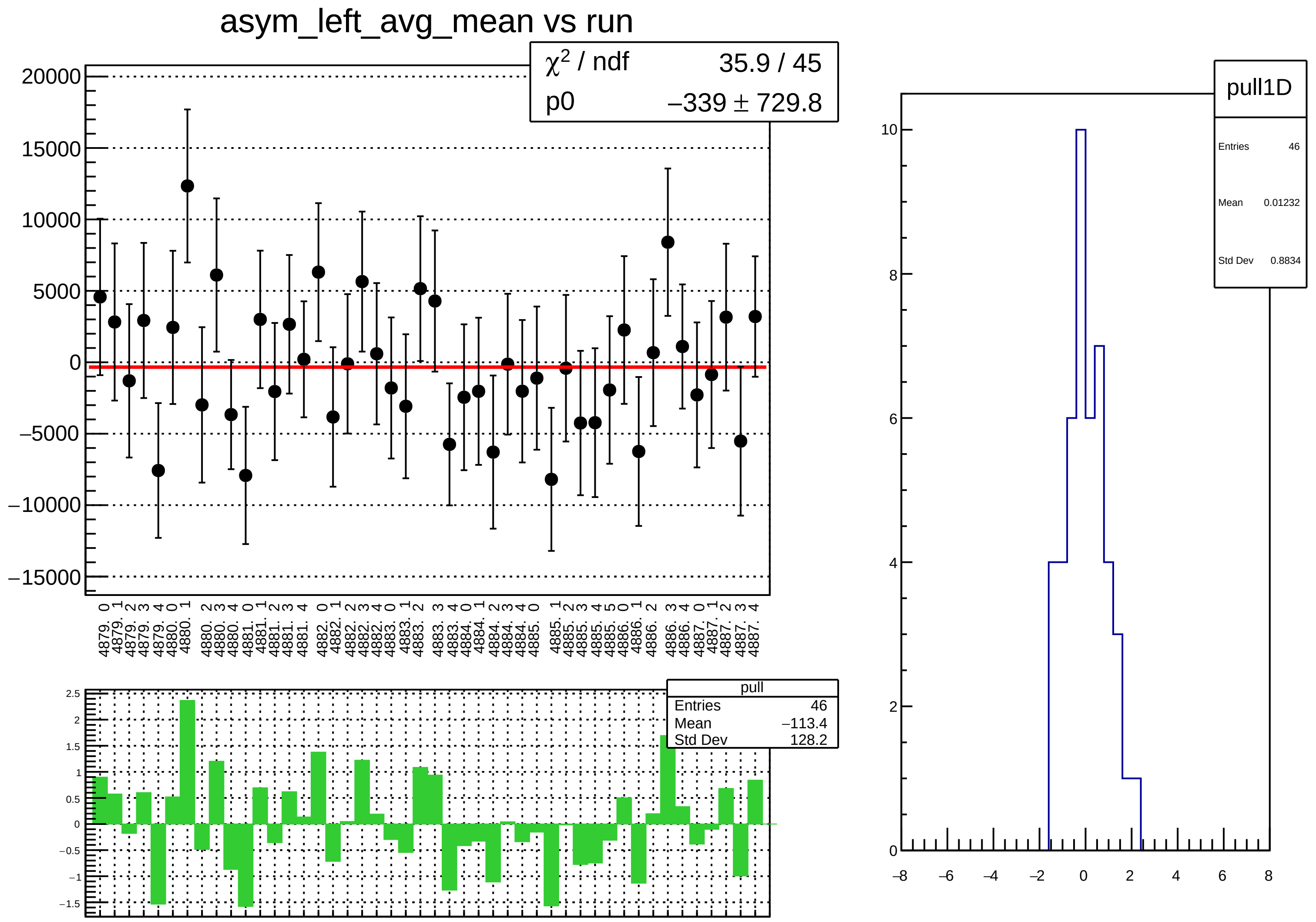
4887. 2
4887. 3
4887. 4


asym_left_avg_mean vs run
χ^2 / ndf 35.9 / 45
p0 −339 ± 729.8
20000
15000
10000
5000
0
−5000
−10000
−15000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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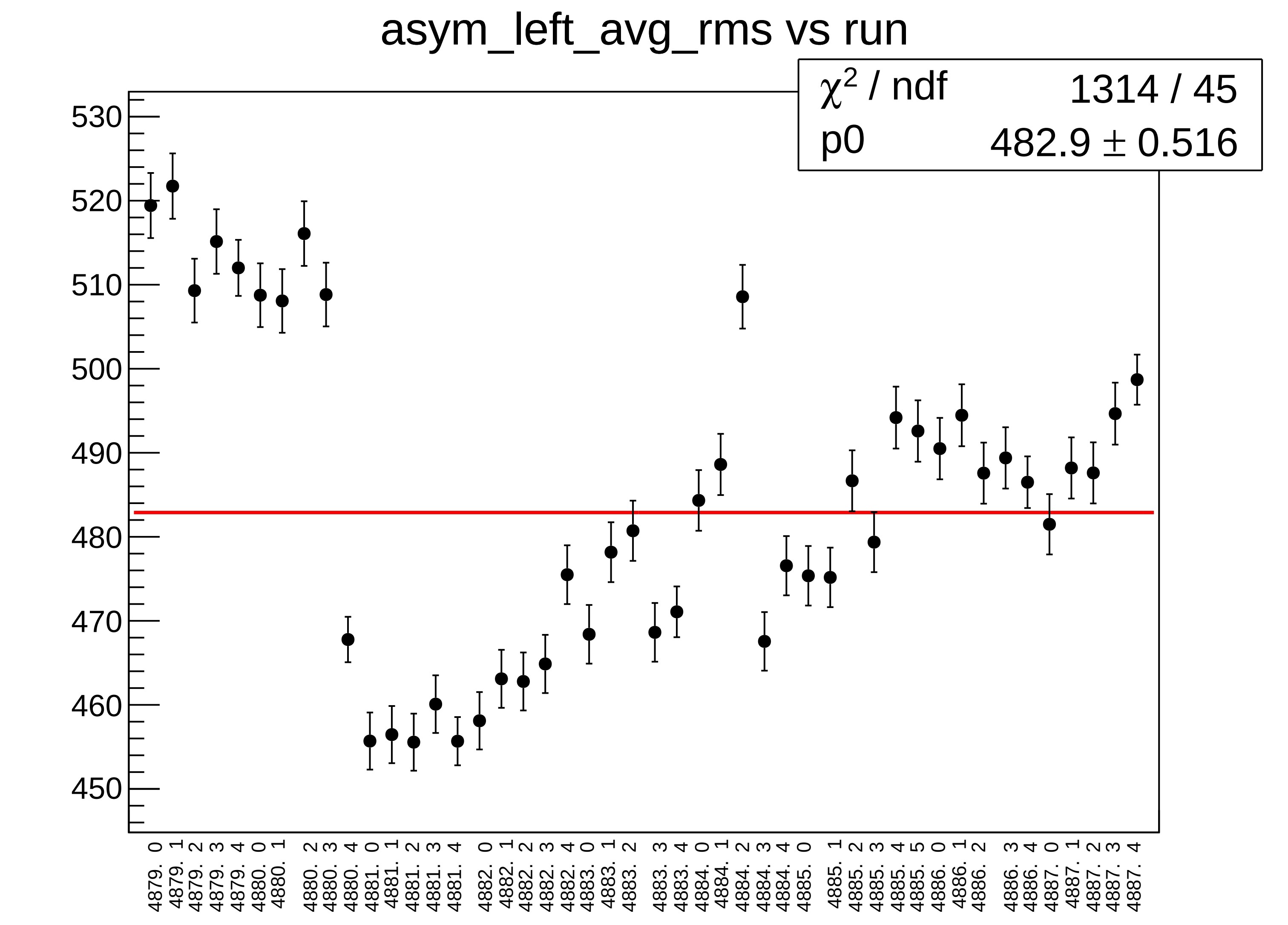
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −113.4
Std Dev 128.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.01232
Std Dev 0.8834
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_left_avg_rms vs run
χ^2 / ndf 1314 / 45
p0 482.9 ± 0.516
530
520
510
500
490
480
470
460
450
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
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4881. 0
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4885. 3
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4885. 5
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4887. 0
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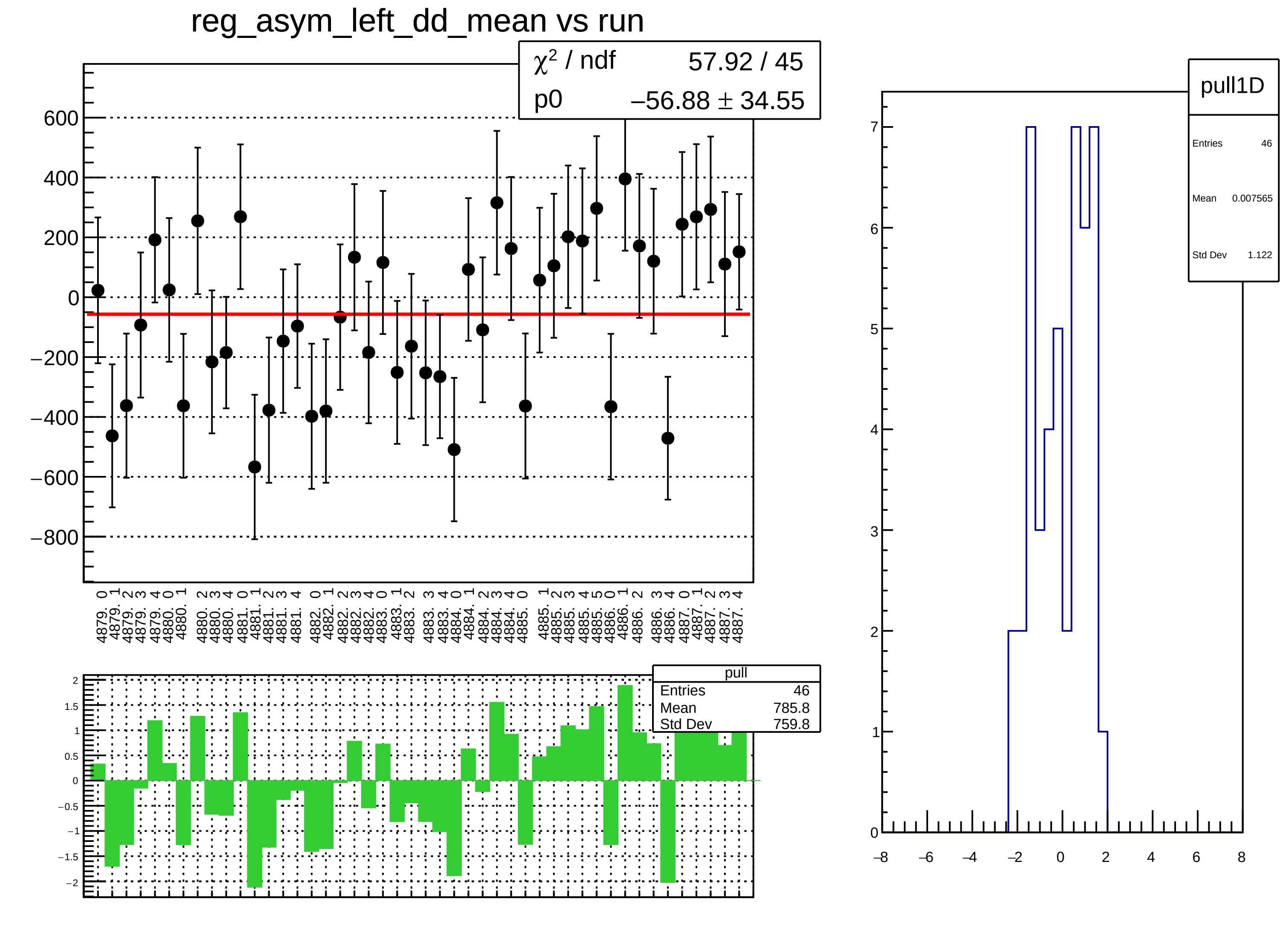
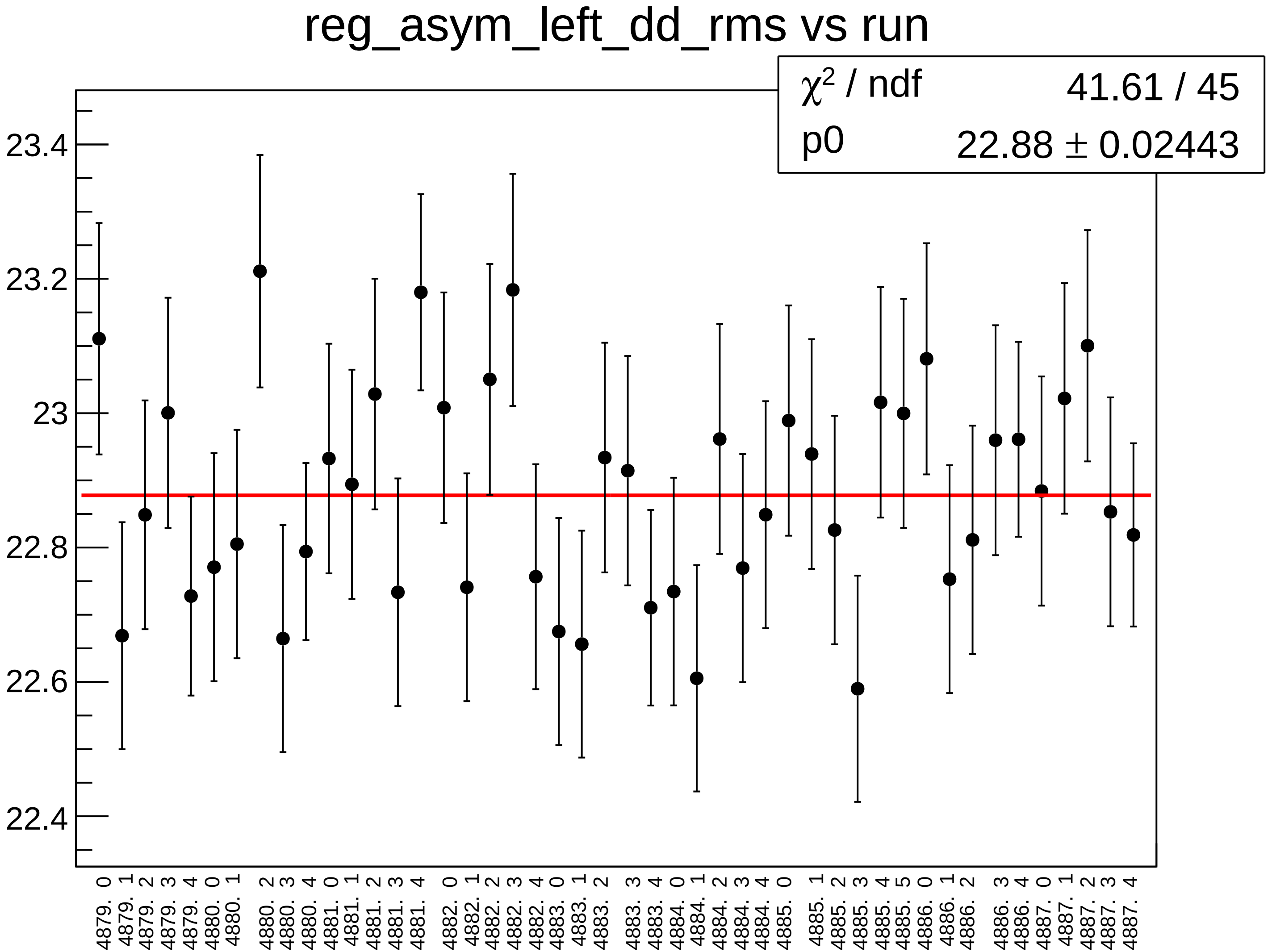
4887. 4


reg_asym_left_dd_mean vs run
χ2 / ndf 57.92 / 45
p0 −56.88 ± 34.55
pull
Entries 46
Mean 785.8
Std Dev 759.8
pull1D
Entries 46
Mean 0.007565
Std Dev 1.122


reg_asym_left_dd_rms vs run
χ2 / ndf 41.61 / 45
p0 22.88 ± 0.02443
23.4
23.2
23
22.8
22.6
22.4
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4881. 4
4882. 0
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4882. 4
4883. 0
4883. 1
4883. 2
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4884. 0
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4884. 2
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4885. 0
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4885. 2
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4885. 5
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4886. 2
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4886. 4
4887. 0
4887. 1
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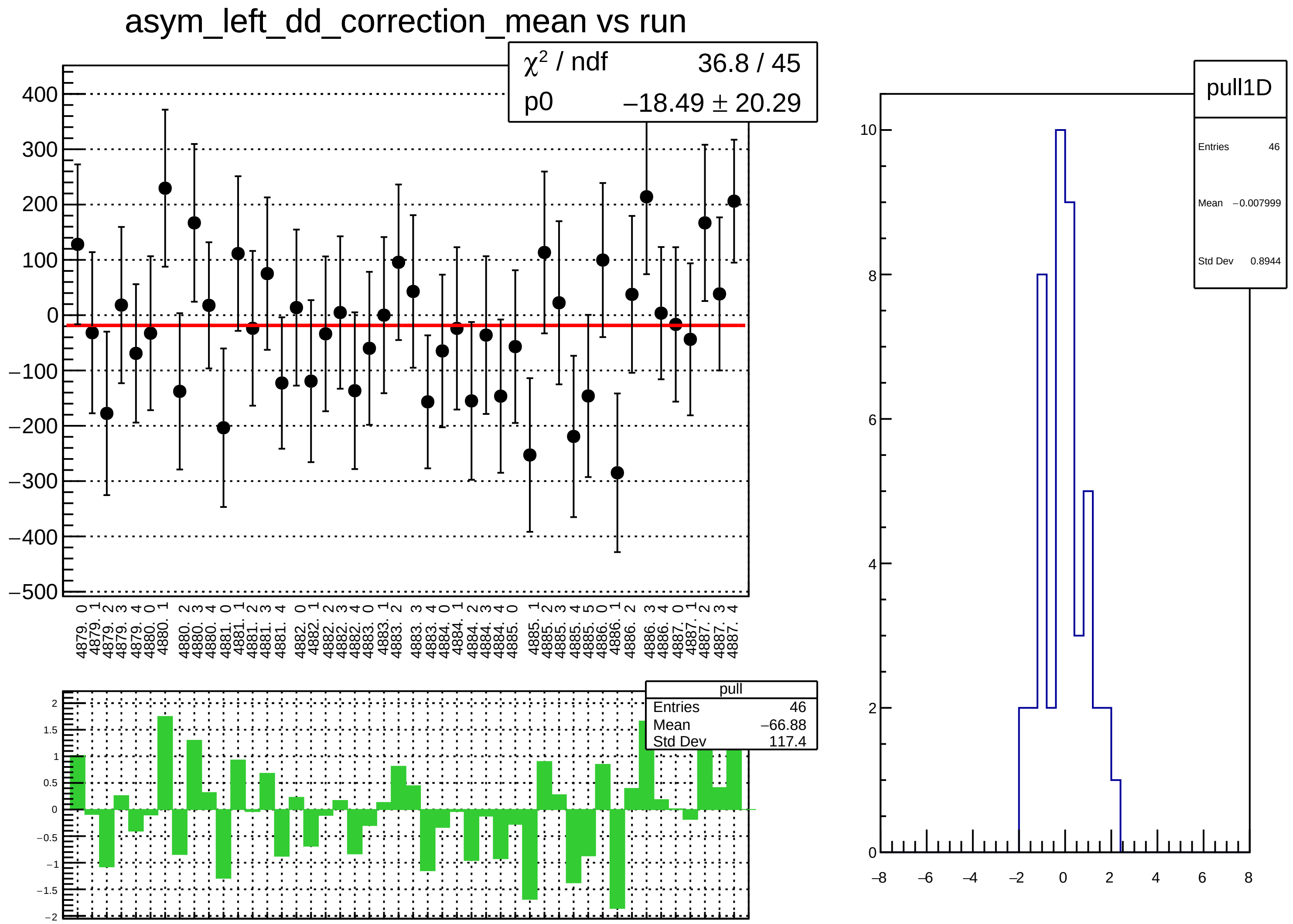
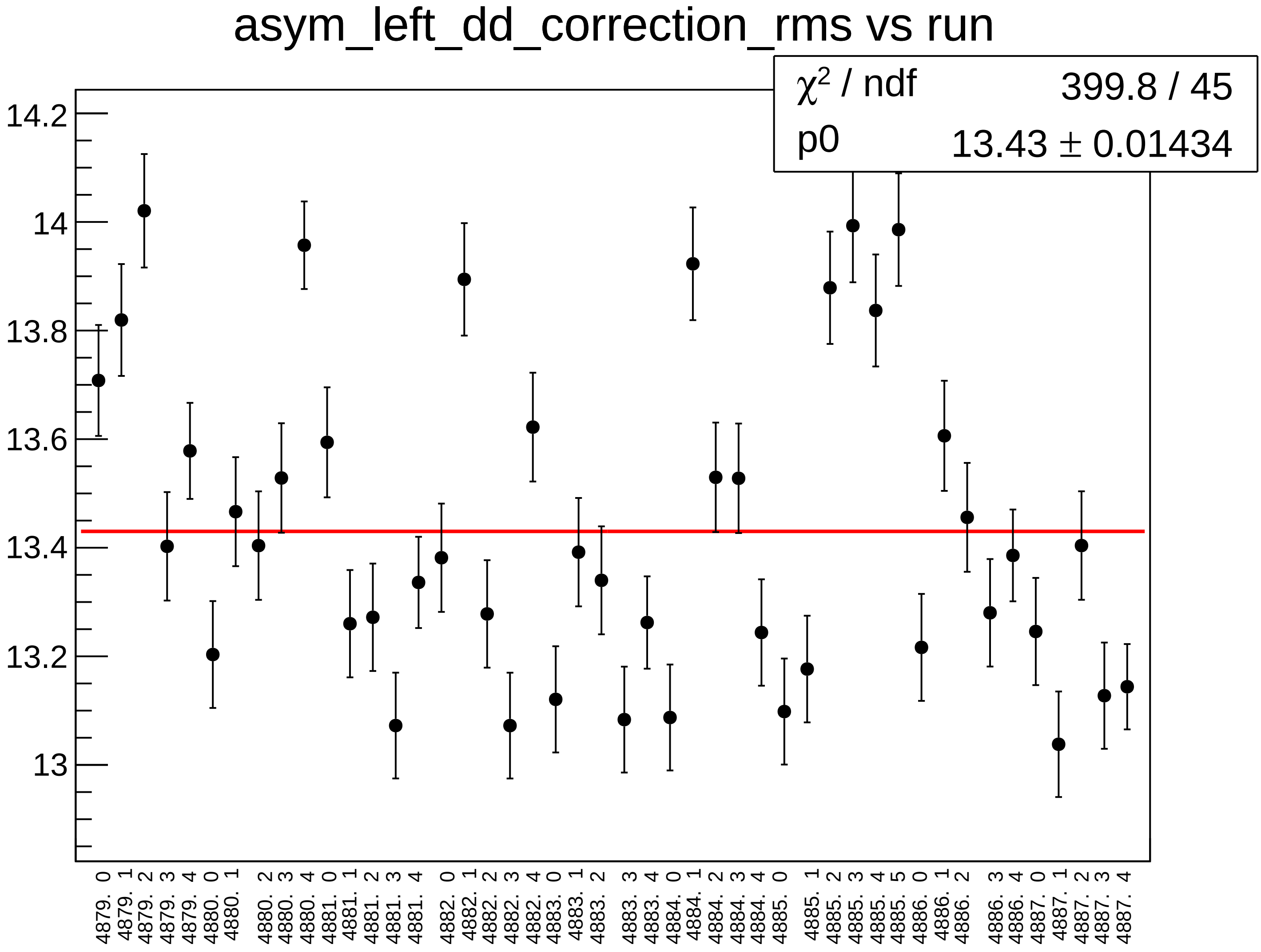
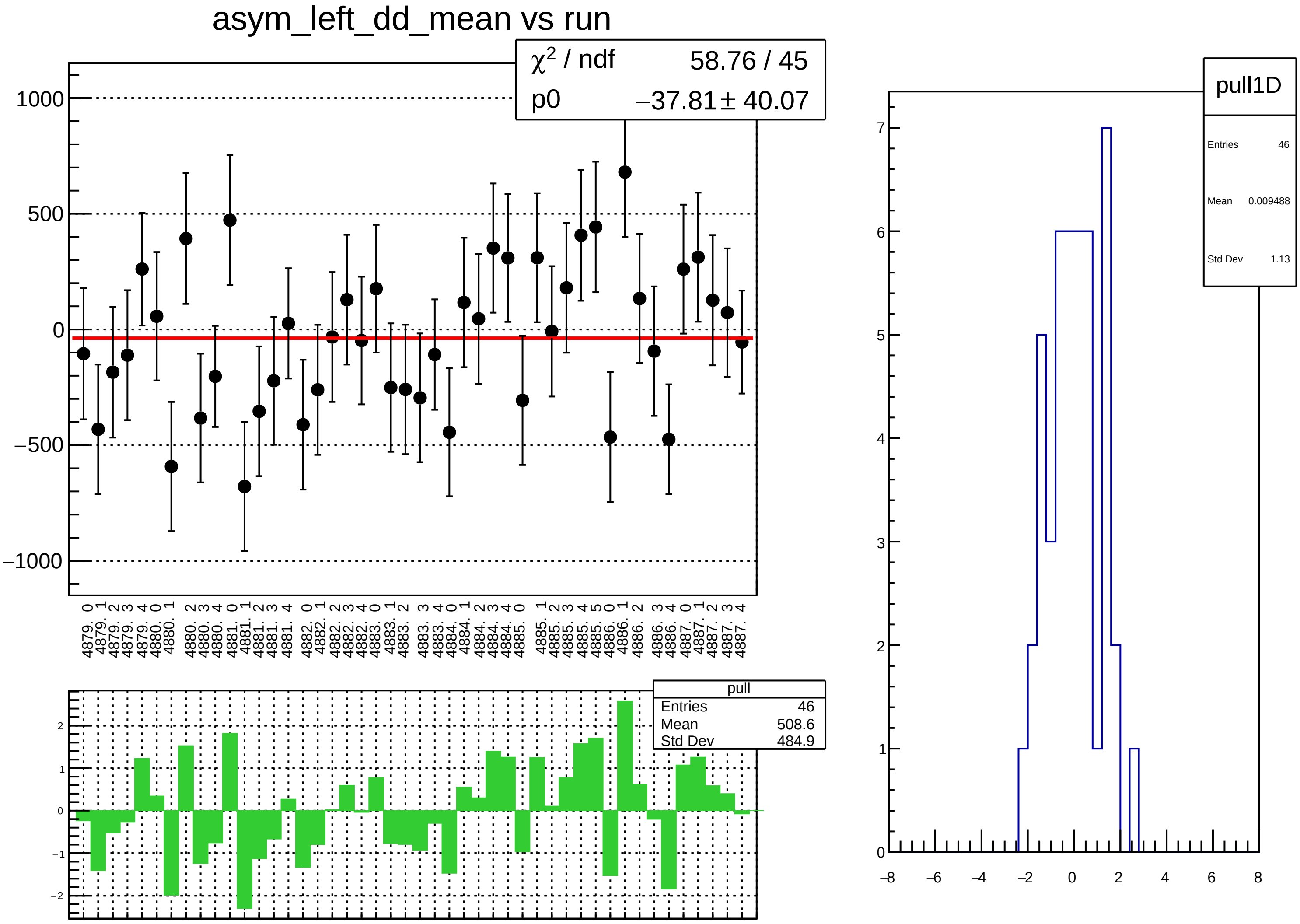
4887. 3
4887. 4

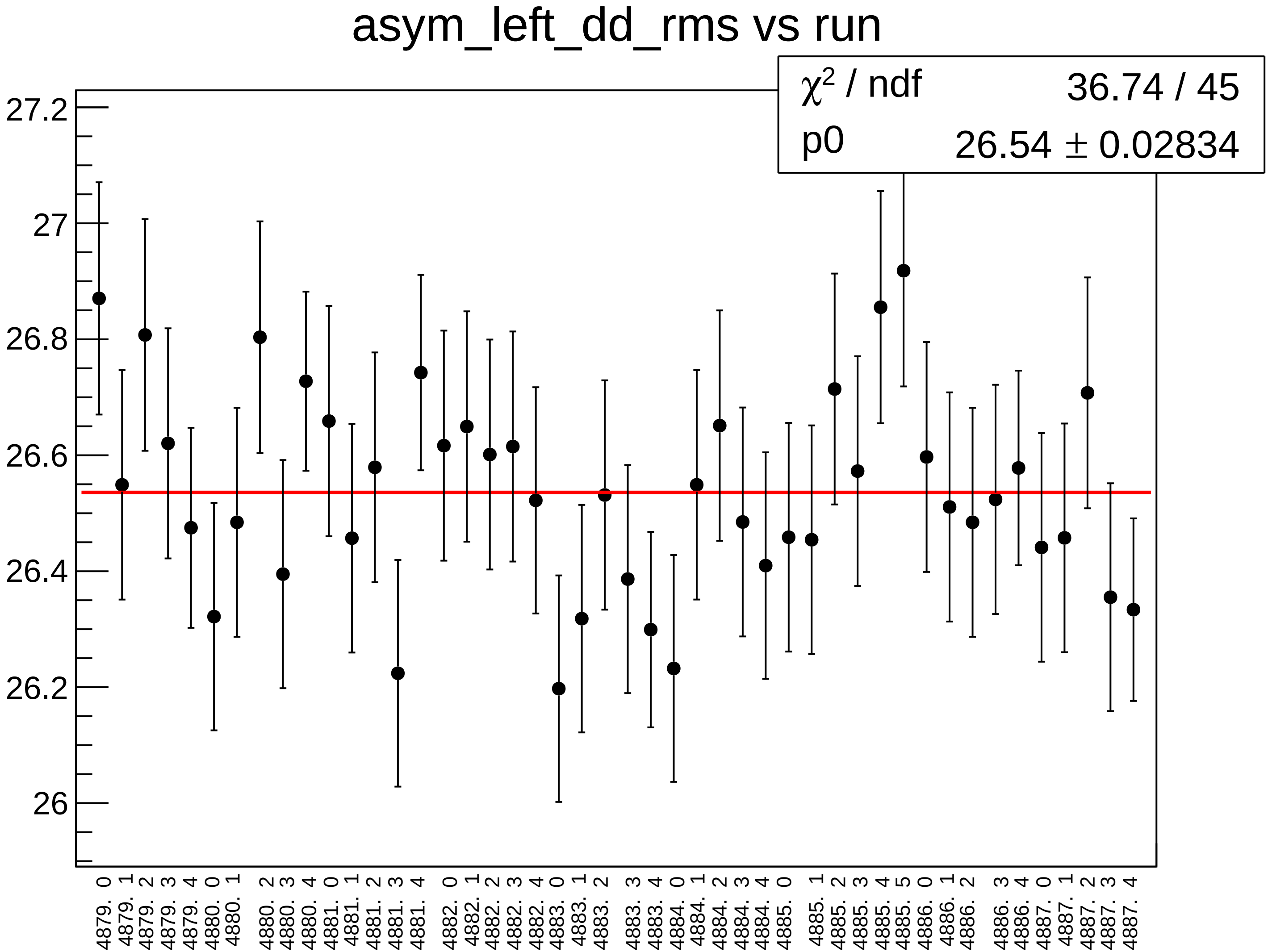

asym_left_dd_correction_mean vs run
χ^2 / ndf 36.8 / 45
p0 −18.49 ± 20.29
pull
Entries 46
Mean −66.88
Std Dev 117.4
pull1D
Entries 46
Mean −0.007999
Std Dev 0.8944

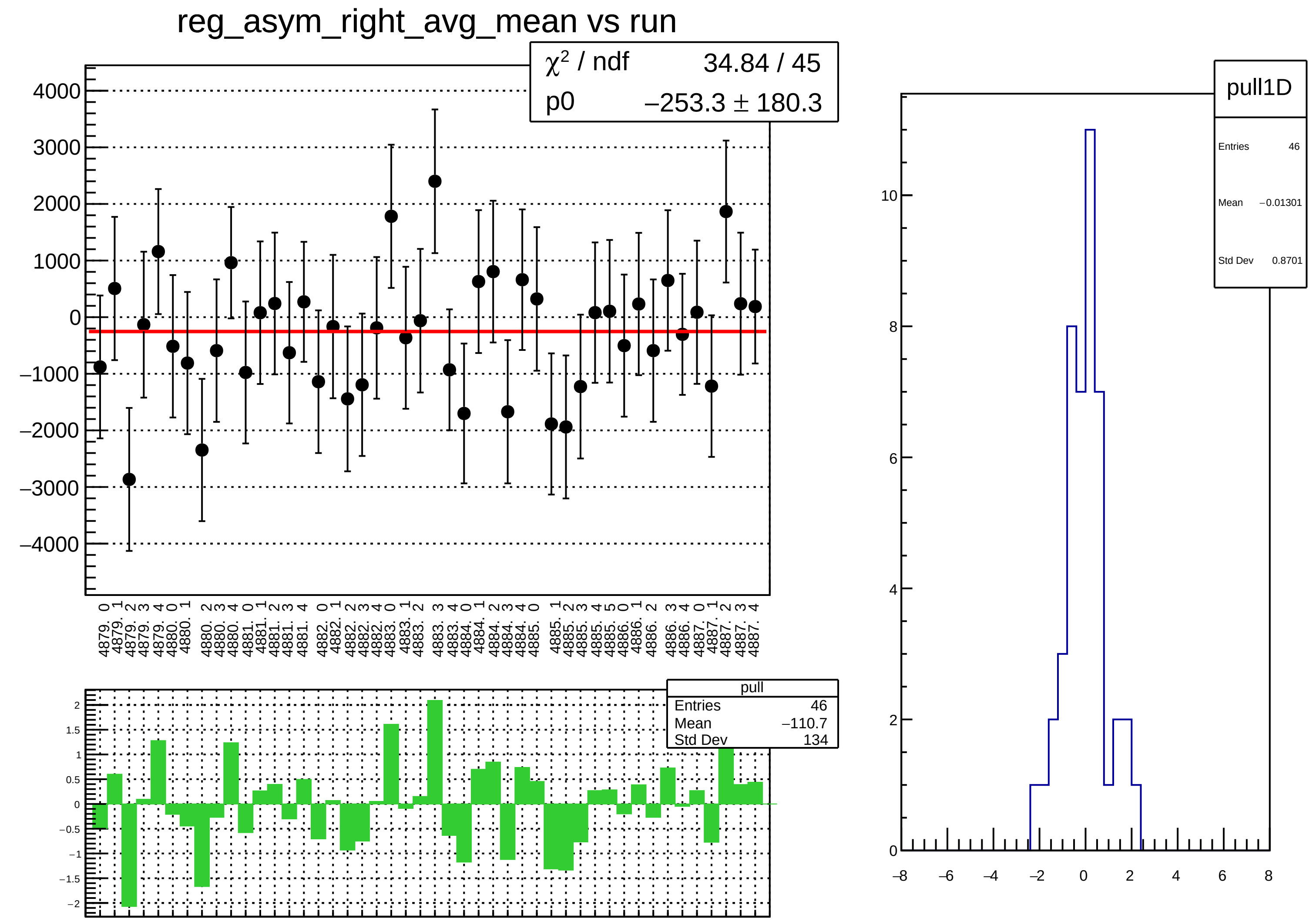


asym_left_dd_correction_rms vs run
χ2 / ndf 399.8 / 45
p0 13.43 ± 0.01434
14.2
14
13.8
13.6
13.4
13.2
13

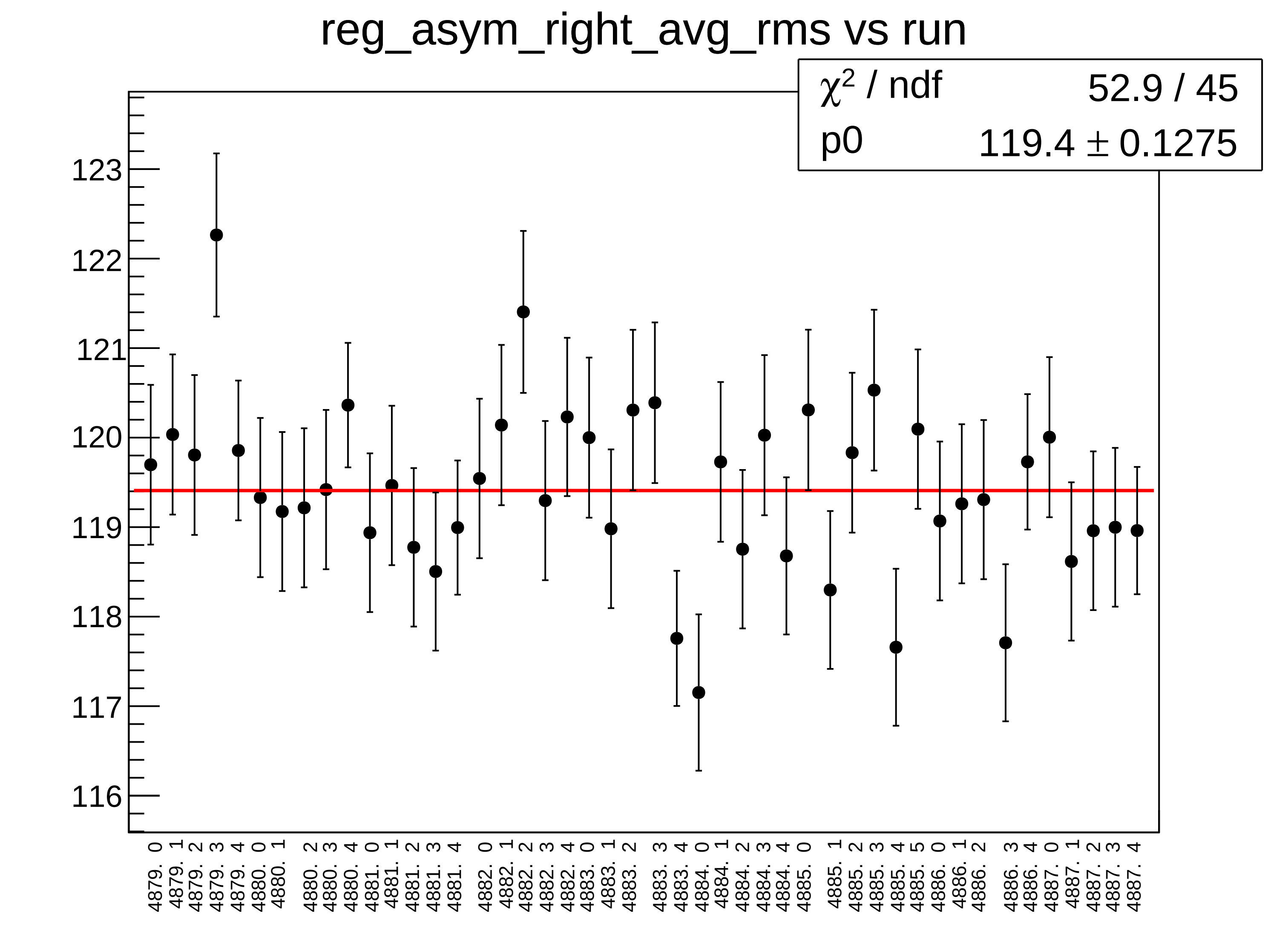


asym_left_dd_mean vs run
χ^2 / ndf 58.76 / 45
p0 −37.81 ± 40.07
1000
500
0
−500
−1000
pull
Entries 46
Mean 508.6
Std Dev 484.9
pull1D
Entries 46
Mean 0.009488
Std Dev 1.13


asym_left_dd_rms vs run
χ² / ndf 36.74 / 45
p0 26.54 ± 0.02834
27.2
27
26.8
26.6
26.4
26.2
26
4879.0 4879.1 4879.2 4879.3 4879.4 4880.0 4880.1 4880.2 4880.3 4880.4 4881.0 4881.1 4881.2 4881.3 4881.4 4882.0 4882.1 4882.2 4882.3 4882.4 4883.0 4883.1 4883.2 4883.3 4883.4 4884.0 4884.1 4884.2 4884.3 4884.4 4885.0 4885.1 4885.2 4885.3 4885.4 4885.5 4886.0 4886.1 4886.2 4886.3 4886.4 4887.0 4887.1 4887.2 4887.3 4887.4



reg_asym_right_avg_mean vs run
χ^2 / ndf 34.84 / 45
p0 −253.3 ± 180.3
pull
Entries 46
Mean −110.7
Std Dev 134
pull1D
Entries 46
Mean −0.01301
Std Dev 0.8701



reg_asym_right_avg_rms vs run
χ2 / ndf 52.9 / 45
p0 119.4 ± 0.1275
116
117
118
119
120
121
122
123
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
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4883. 3
4883. 4
4884. 0
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4884. 2
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4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
4887. 0
4887. 1
4887. 2
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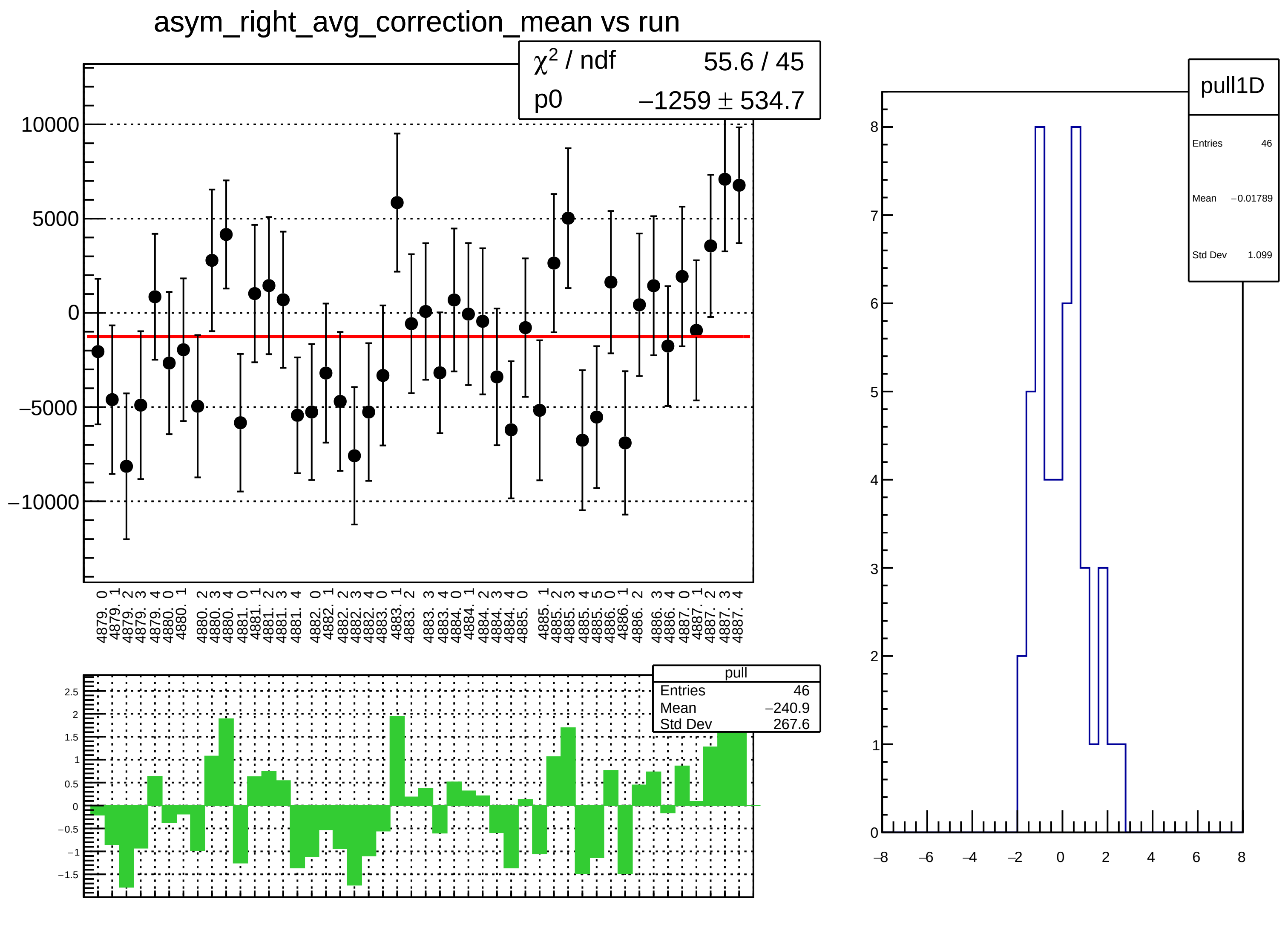
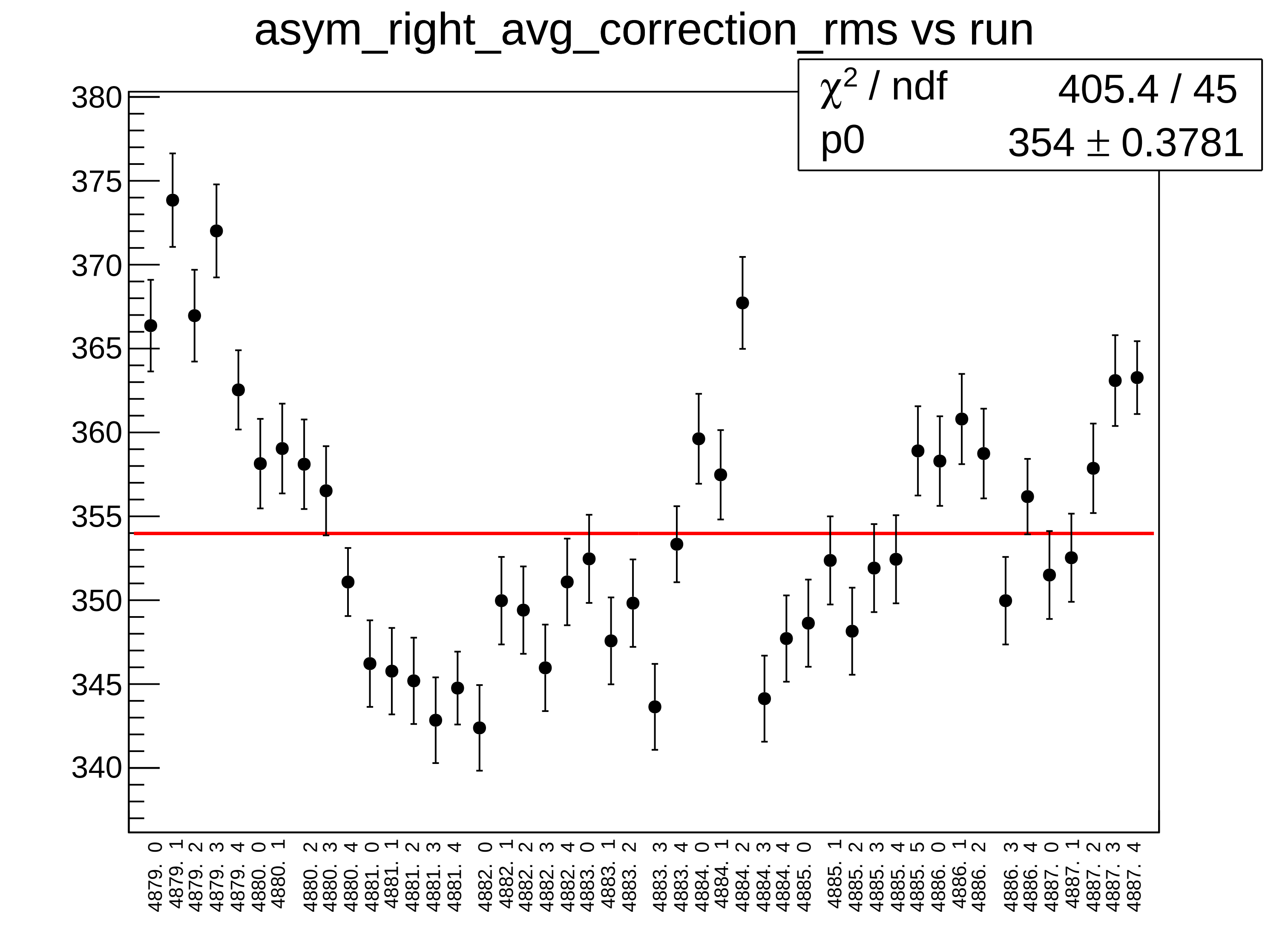
4887. 4



asym_right_avg_correction_mean vs run
χ^2 / ndf 55.6 / 45
p0 −1259 ± 534.7
pull
Entries 46
Mean −240.9
Std Dev 267.6
pull1D
Entries 46
Mean −0.01789
Std Dev 1.099



asym_right_avg_correction_rms vs run
χ^2 / ndf 405.4 / 45
p0 354 ± 0.3781
380
375
370
365
360
355
350
345
340
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4883. 1
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4883. 3
4883. 4
4884. 0
4884. 1
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4884. 3
4884. 4
4885. 0
4885. 1
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4885. 4
4885. 5
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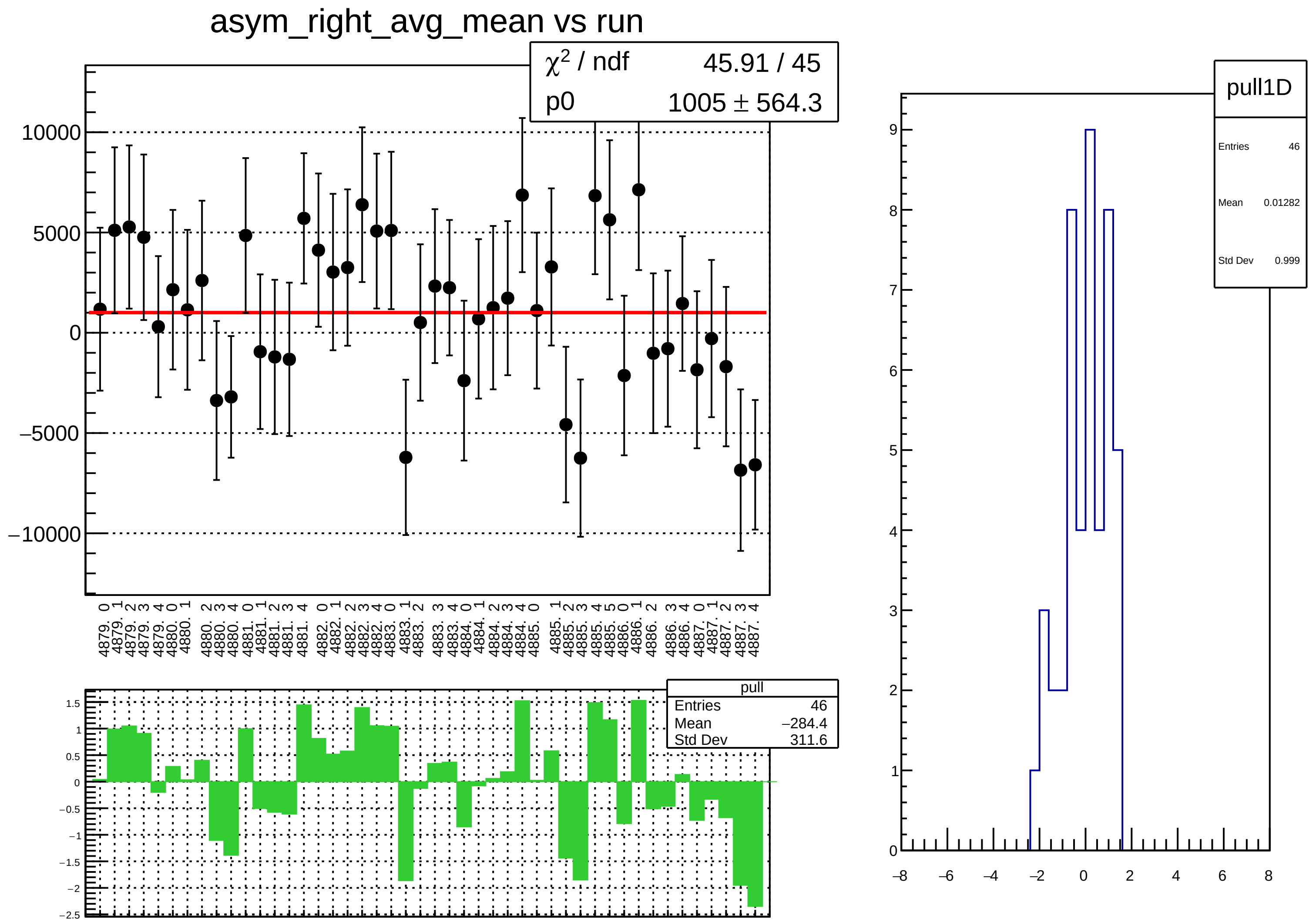
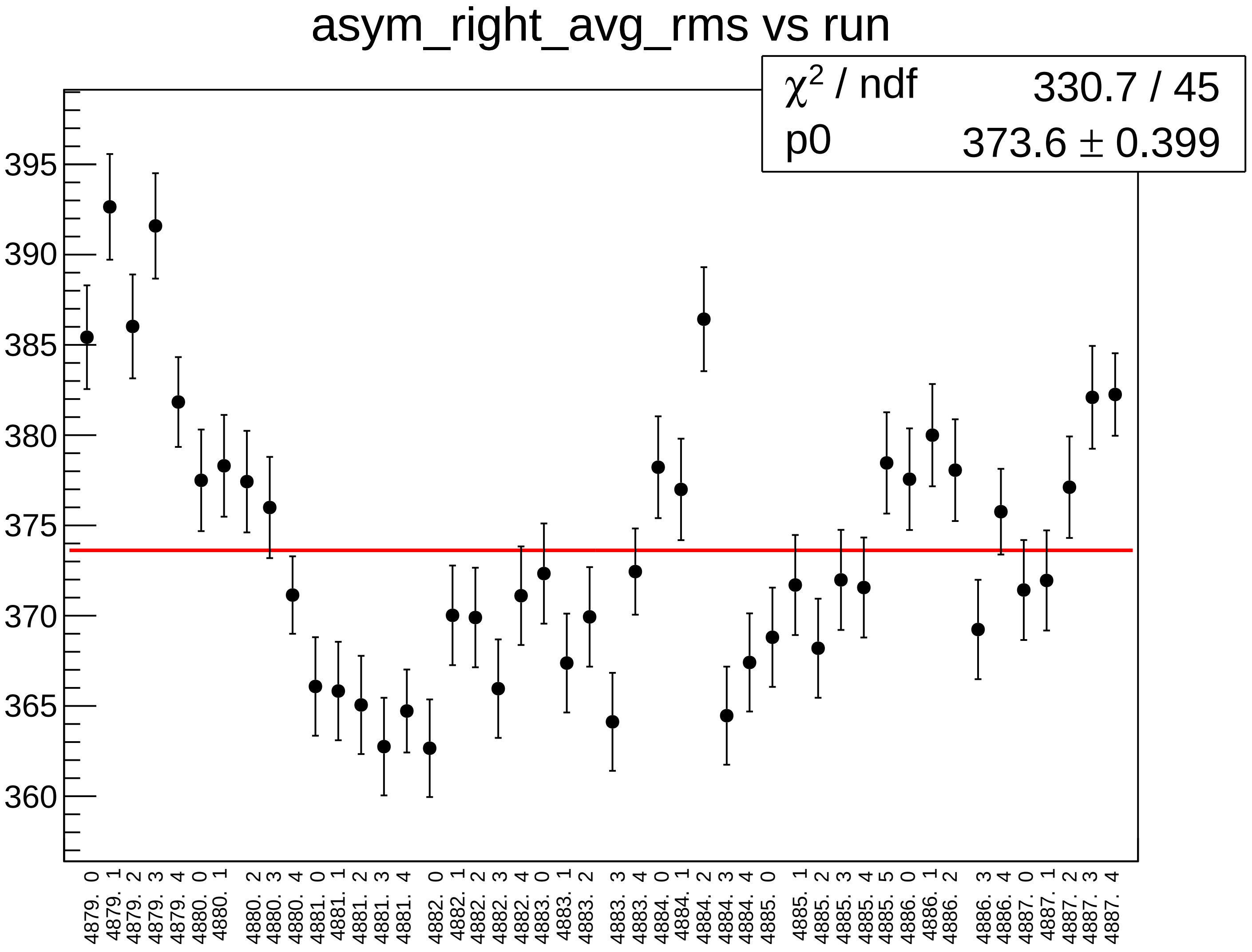


asym_right_avg_mean vs run
χ^2 / ndf 45.91 / 45
p0 1005 ± 564.3
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −284.4
Std Dev 311.6
pull1D
Entries 46
Mean 0.01282
Std Dev 0.999


asym_right_avg_rms vs run
χ^2 / ndf 330.7 / 45
p0 373.6 ± 0.399
395
390
385
380
375
370
365
360
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
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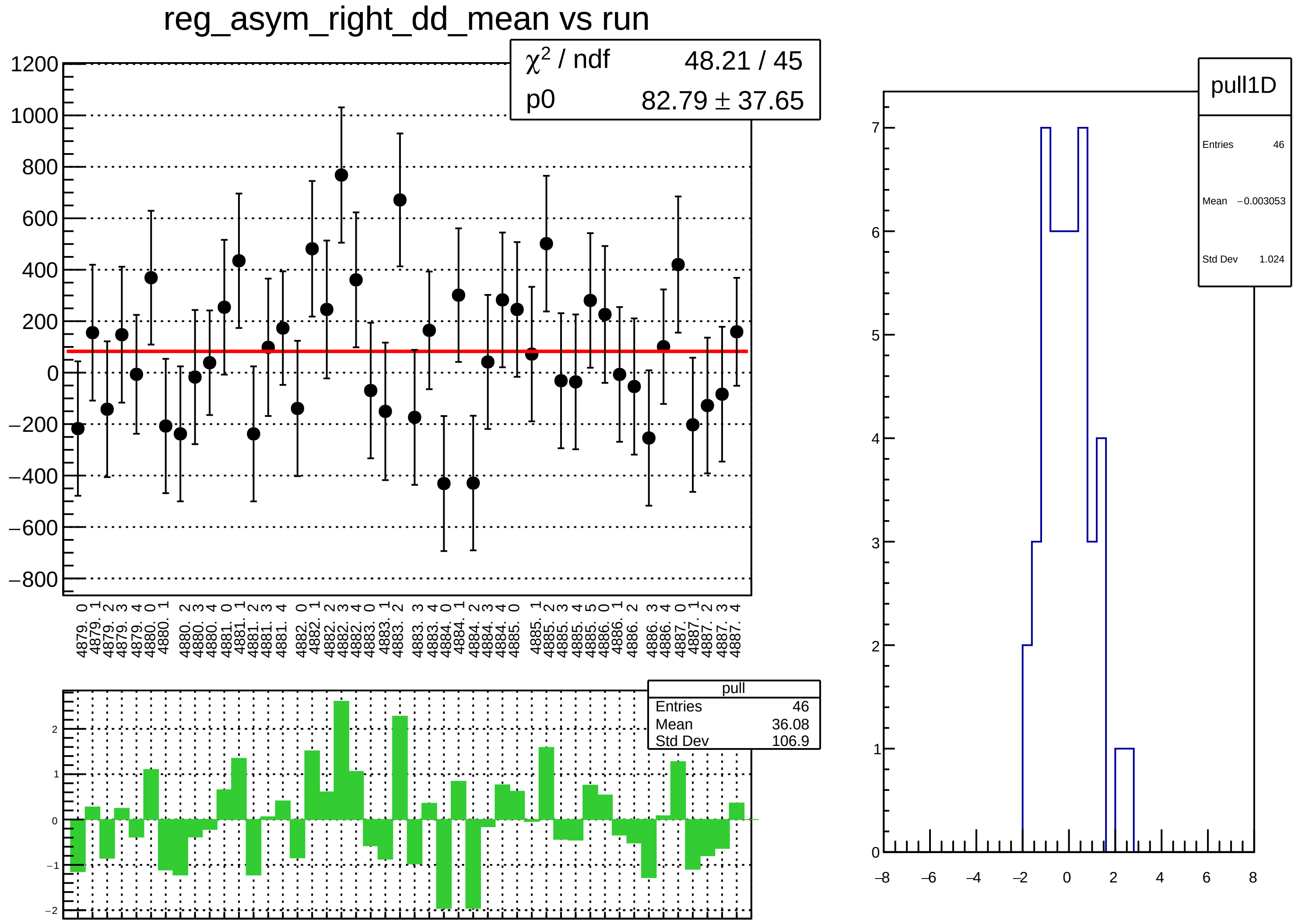
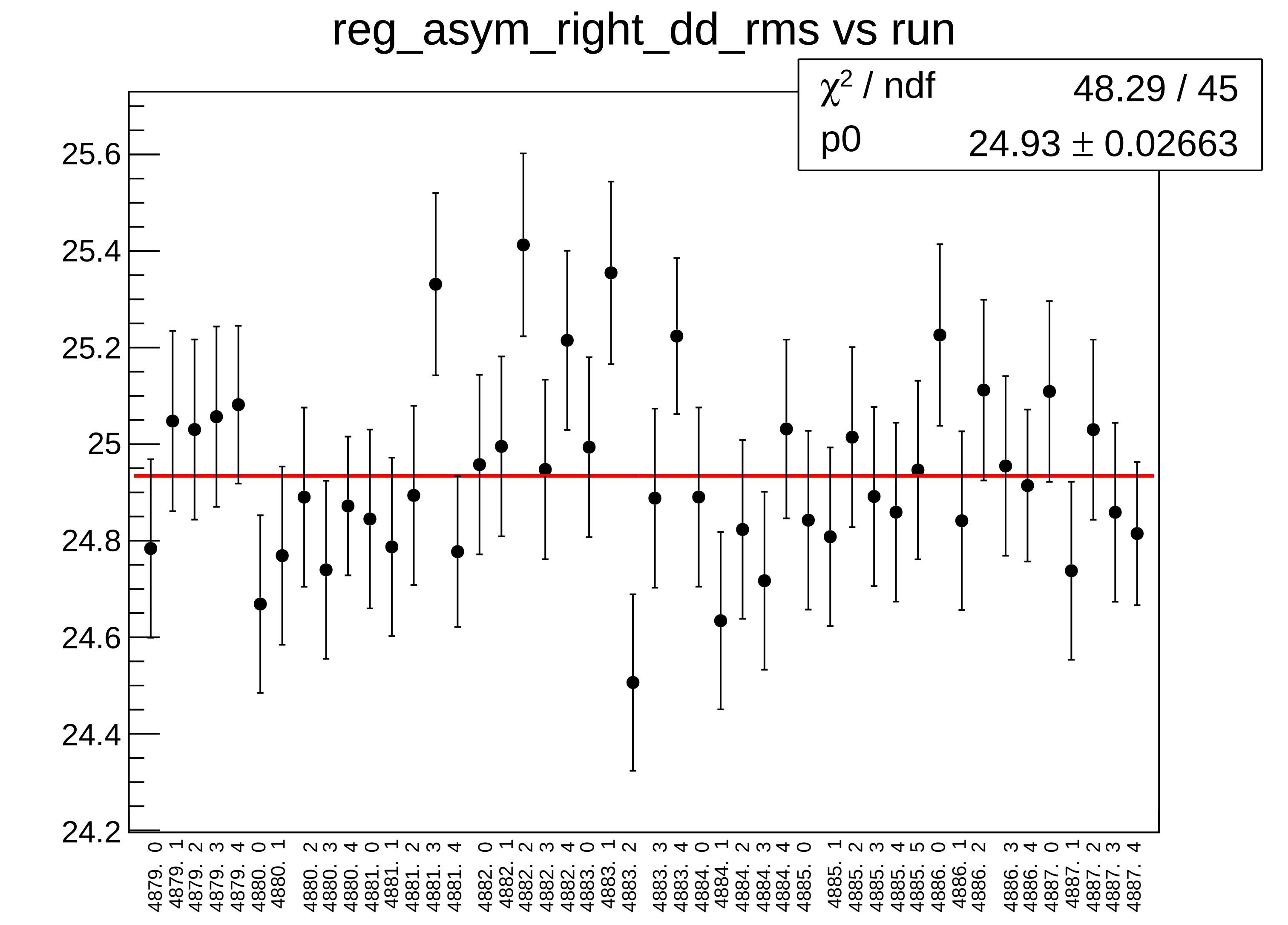
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_right_dd_mean vs run
χ^2 / ndf 48.21 / 45
p0 82.79 ± 37.65
pull
Entries 46
Mean 36.08
Std Dev 106.9
pull1D
Entries 46
Mean −0.003053
Std Dev 1.024



reg_asym_right_dd_rms vs run
χ^2 / ndf 48.29 / 45
p0 24.93 ± 0.02663
25.6
25.4
25.2
25
24.8
24.6
24.4
24.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4883. 1
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4884. 0
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4885. 0
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4885. 4
4885. 5
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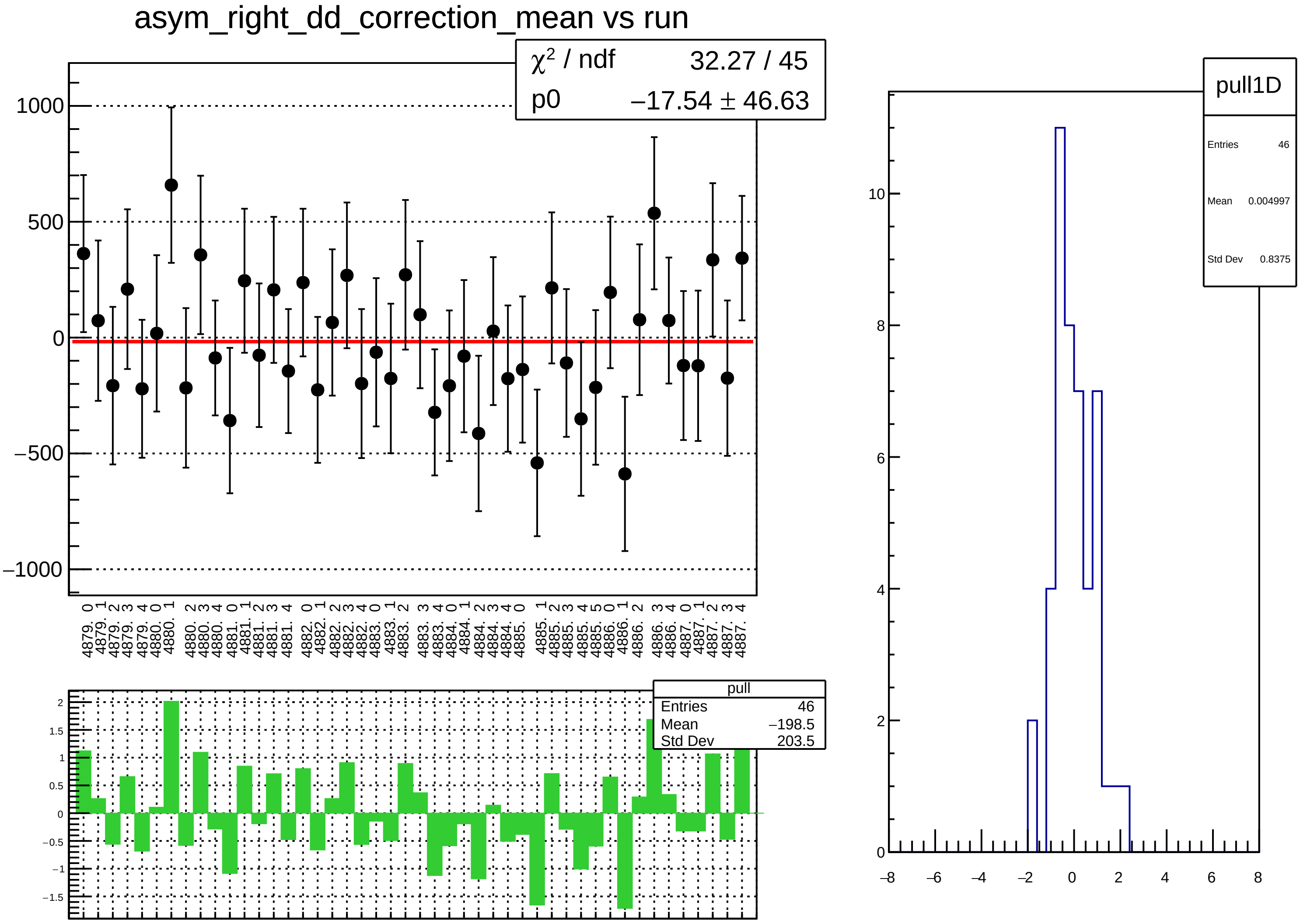
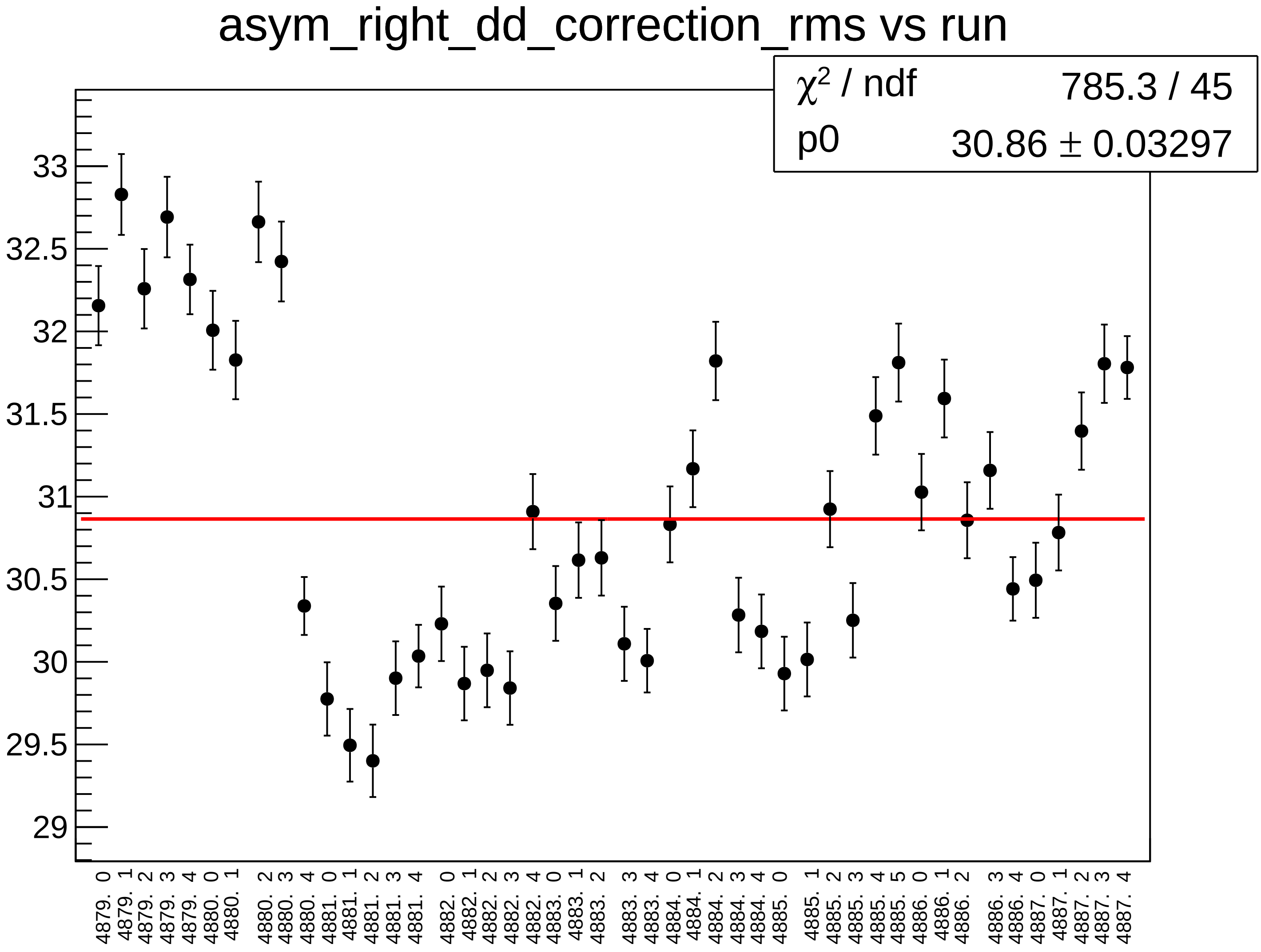
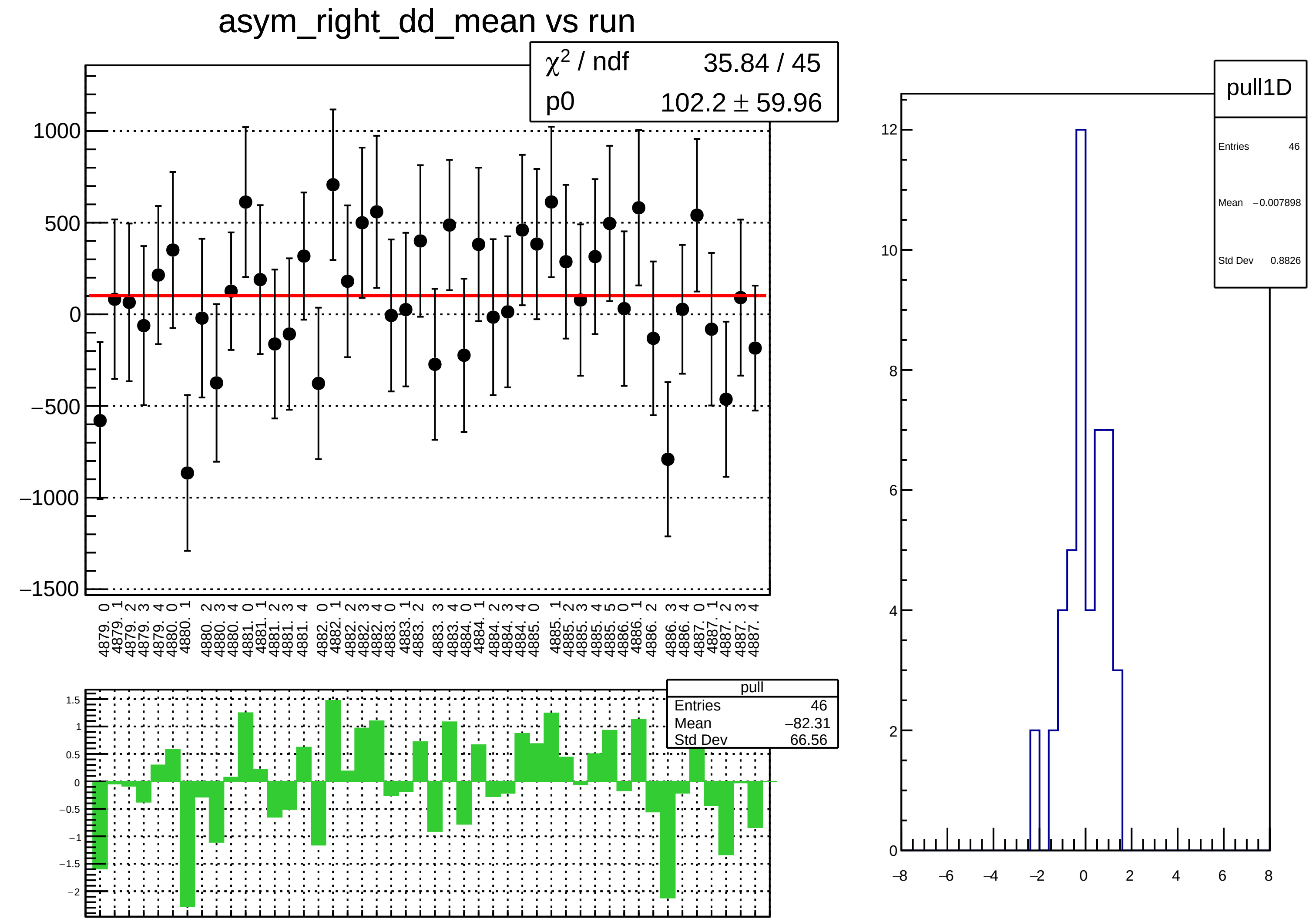
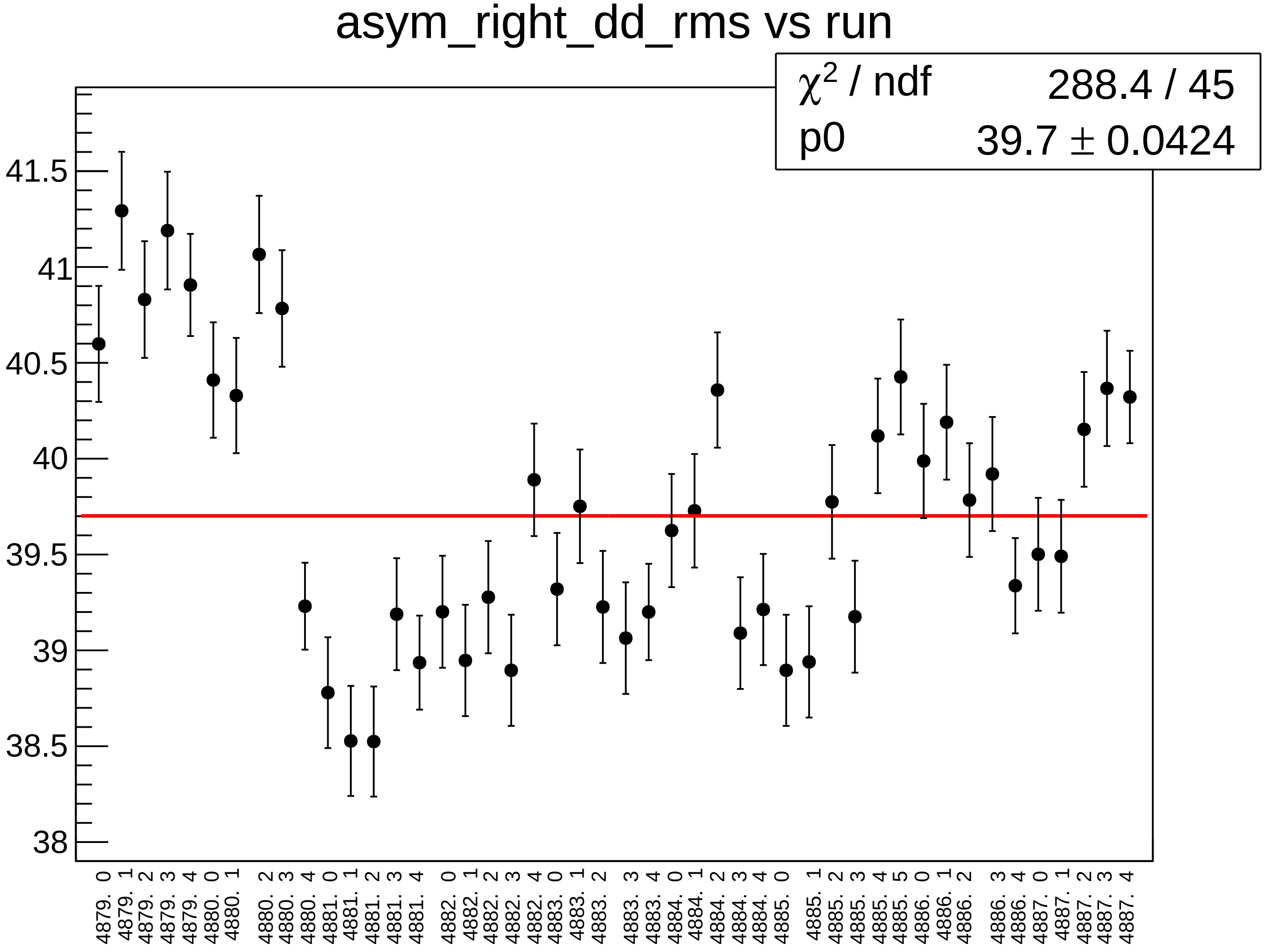
4887. 2
4887. 3
4887. 4


asym_right_dd_correction_mean vs run
χ^2 / ndf 32.27 / 45
p0 −17.54 ± 46.63
pull
Entries 46
Mean −198.5
Std Dev 203.5
pull1D
Entries 46
Mean 0.004997
Std Dev 0.8375


asym_right_dd_correction_rms vs run
χ2 / ndf 785.3 / 45
p0 30.86 ± 0.03297
33
32.5
32
31.5
31
30.5
30
29.5
29



asym_right_dd_mean vs run
χ^2 / ndf 35.84 / 45
p0 102.2 ± 59.96
pull1D
Entries 46
Mean −0.007898
Std Dev 0.8826
pull
Entries 46
Mean −82.31
Std Dev 66.56



asym_right_dd_rms vs run
χ^2 / ndf 288.4 / 45
p0 39.7 ± 0.0424
41.5
41
40.5
40
39.5
39
38.5
38
4879. 0
4879. 1
4879. 2
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4885. 5
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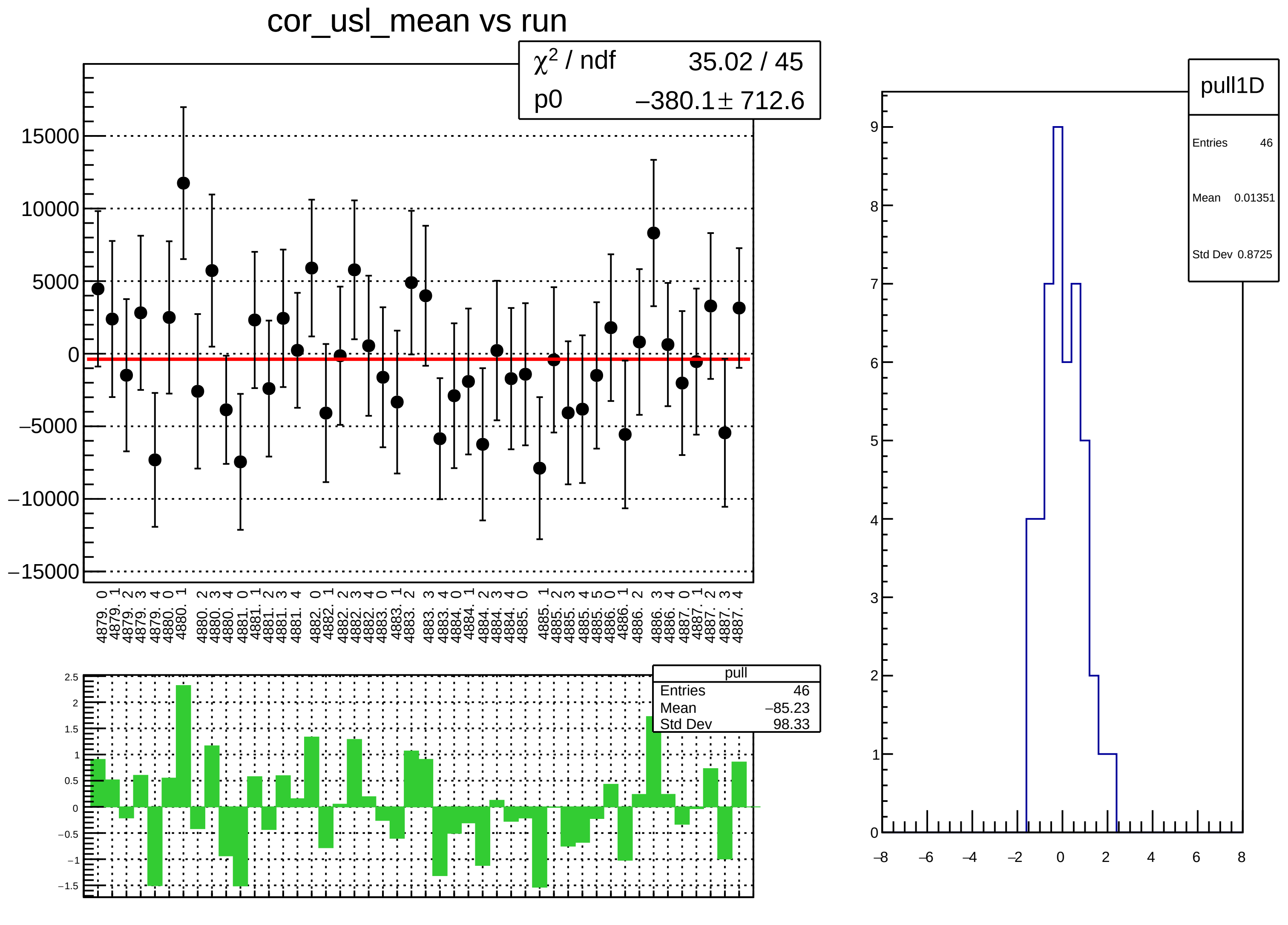
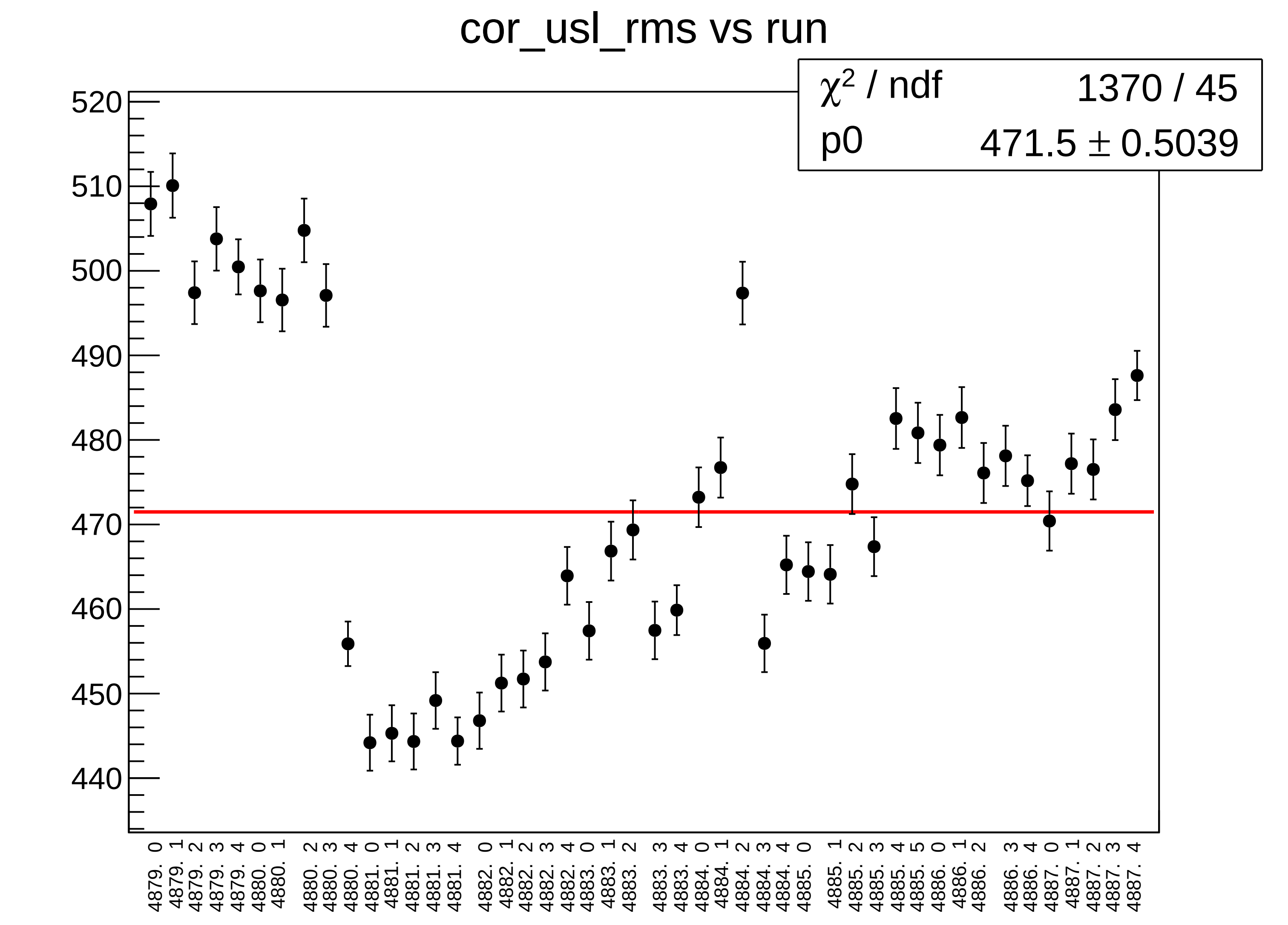
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



cor_usl_mean vs run
χ^2 / ndf 35.02 / 45
p0 −380.1 ± 712.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 46
Mean −85.23
Std Dev 98.33
pull1D
Entries 46
Mean 0.01351
Std Dev 0.8725


cor_usl_rms vs run
χ2 / ndf 1370 / 45
p0 471.5 ± 0.5039
520
510
500
490
480
470
460
450
440
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
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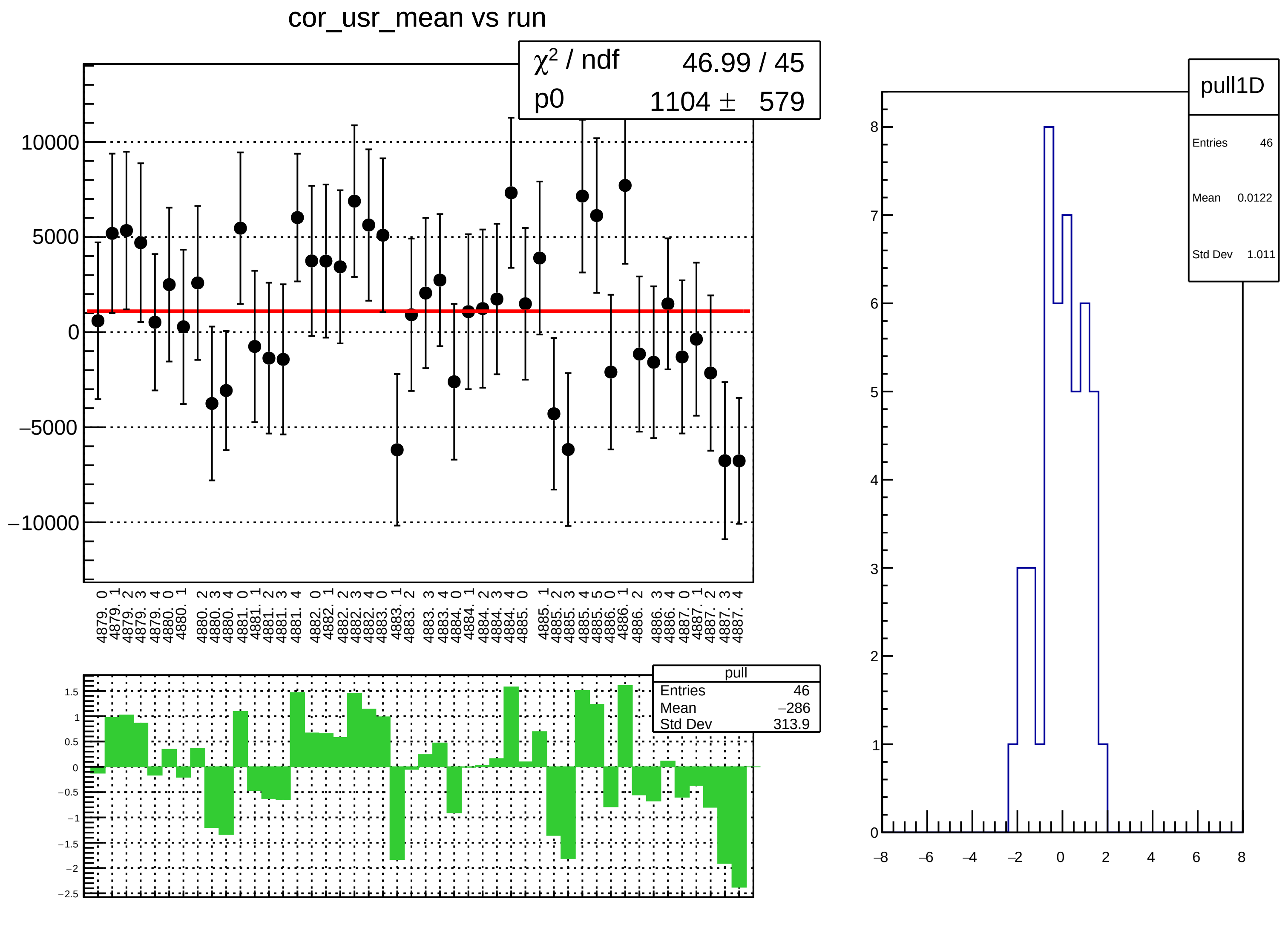
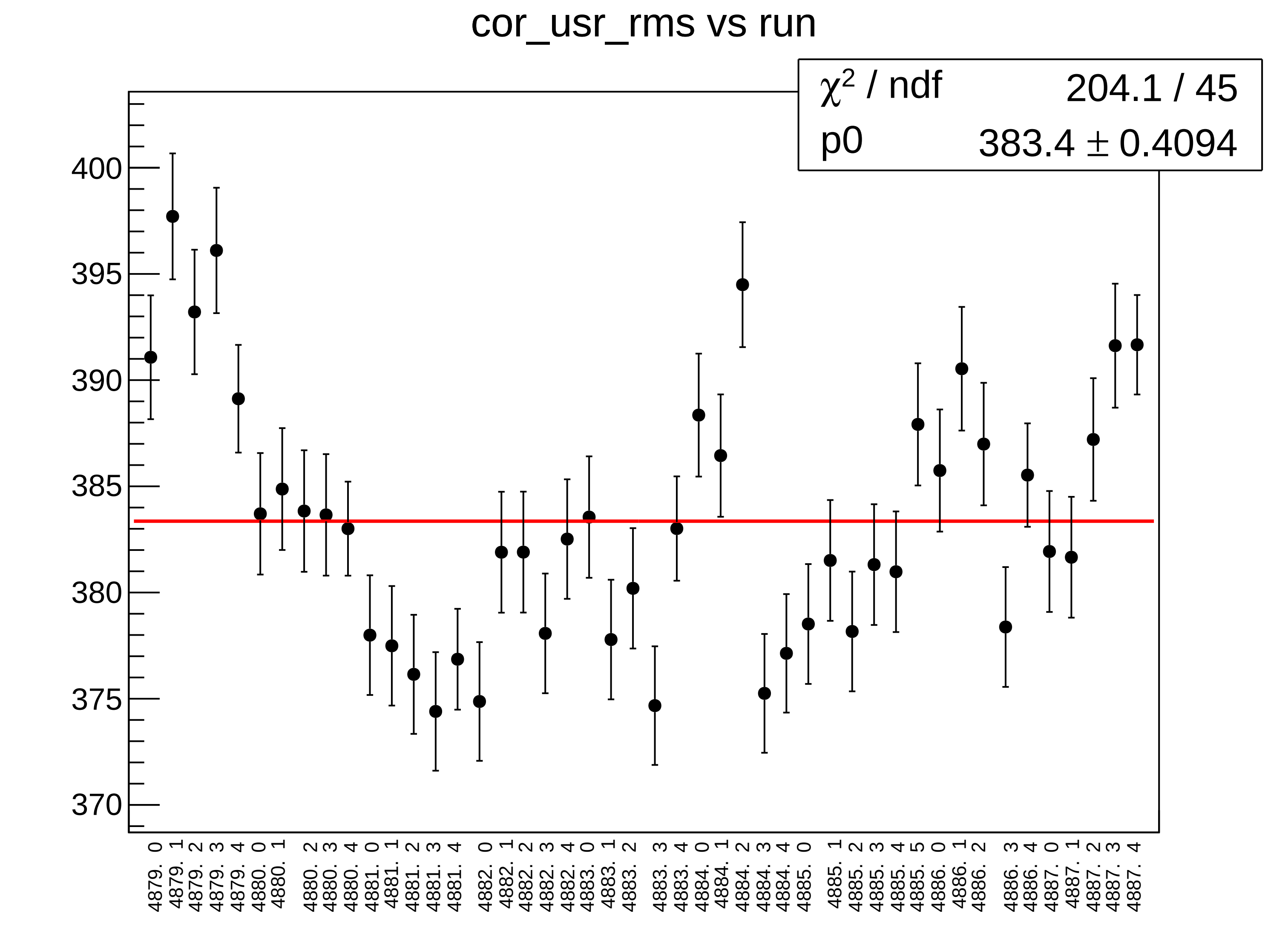
4887. 3
4887. 4


cor_usr_mean vs run
χ2 / ndf 46.99 / 45
p0 1104 ± 579
pull
Entries 46
Mean −286
Std Dev 313.9
pull1D
Entries 46
Mean 0.0122
Std Dev 1.011



cor_usr_rms vs run
χ^2 / ndf 204.1 / 45
p0 383.4 ± 0.4094
400
395
390
385
380
375
370
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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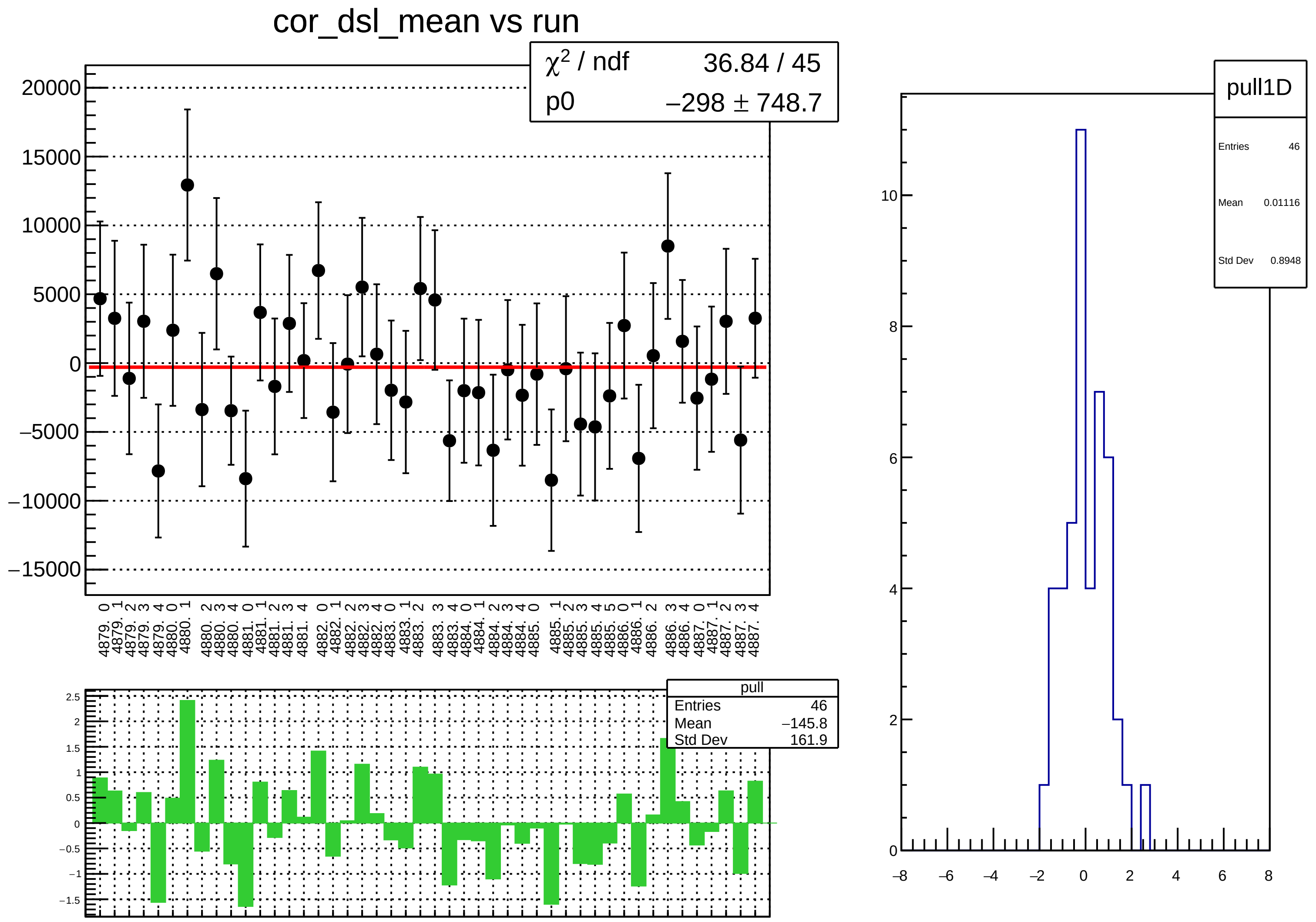
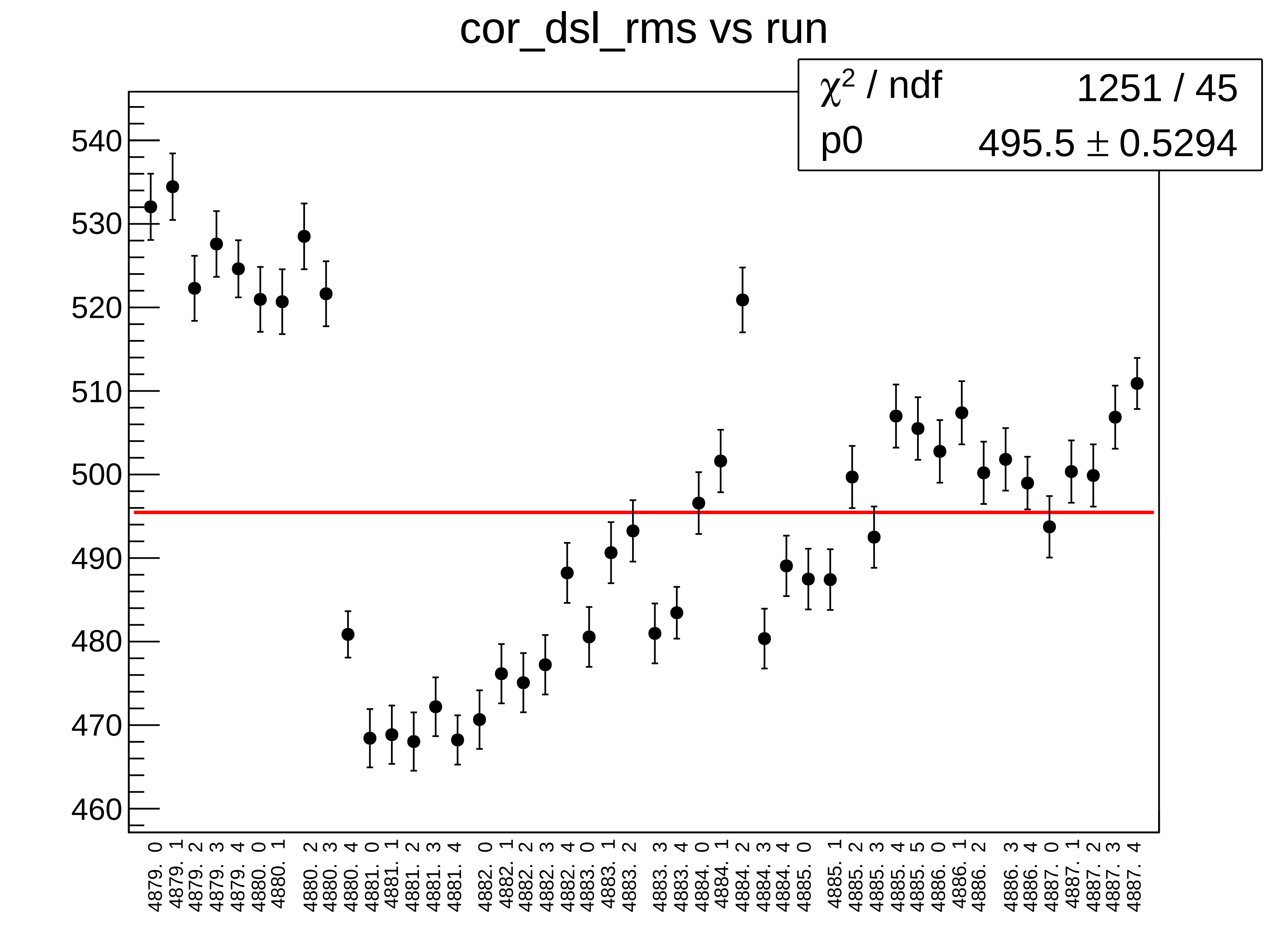
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



cor_dsl_mean vs run
χ^2 / ndf 36.84 / 45
p0 −298 ± 748.7
pull
Entries 46
Mean −145.8
Std Dev 161.9
pull1D
Entries 46
Mean 0.01116
Std Dev 0.8948


cor_dsl_rms vs run
χ^2 / ndf 1251 / 45
p0 495.5 ± 0.5294
540
530
520
510
500
490
480
470
460
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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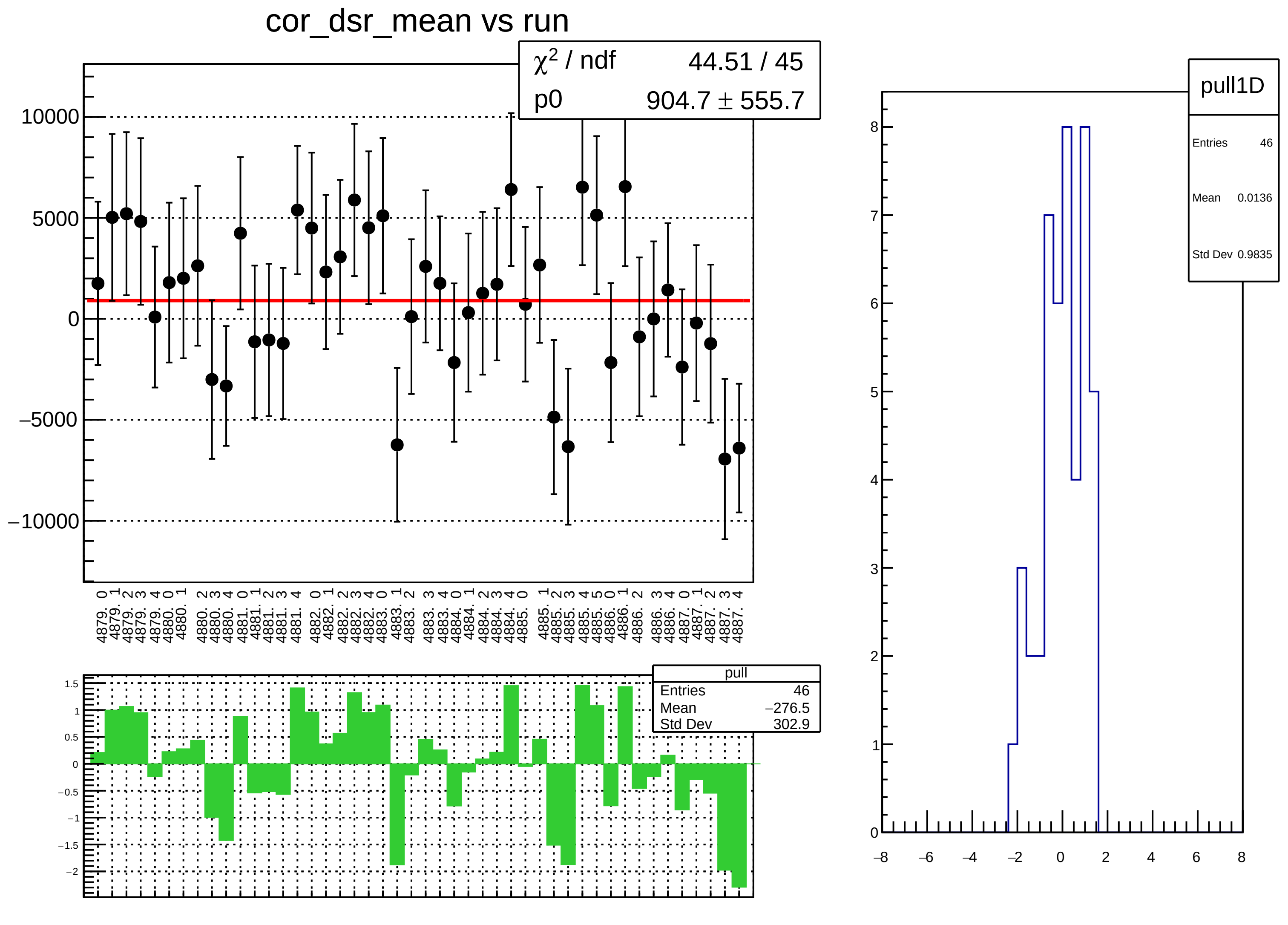
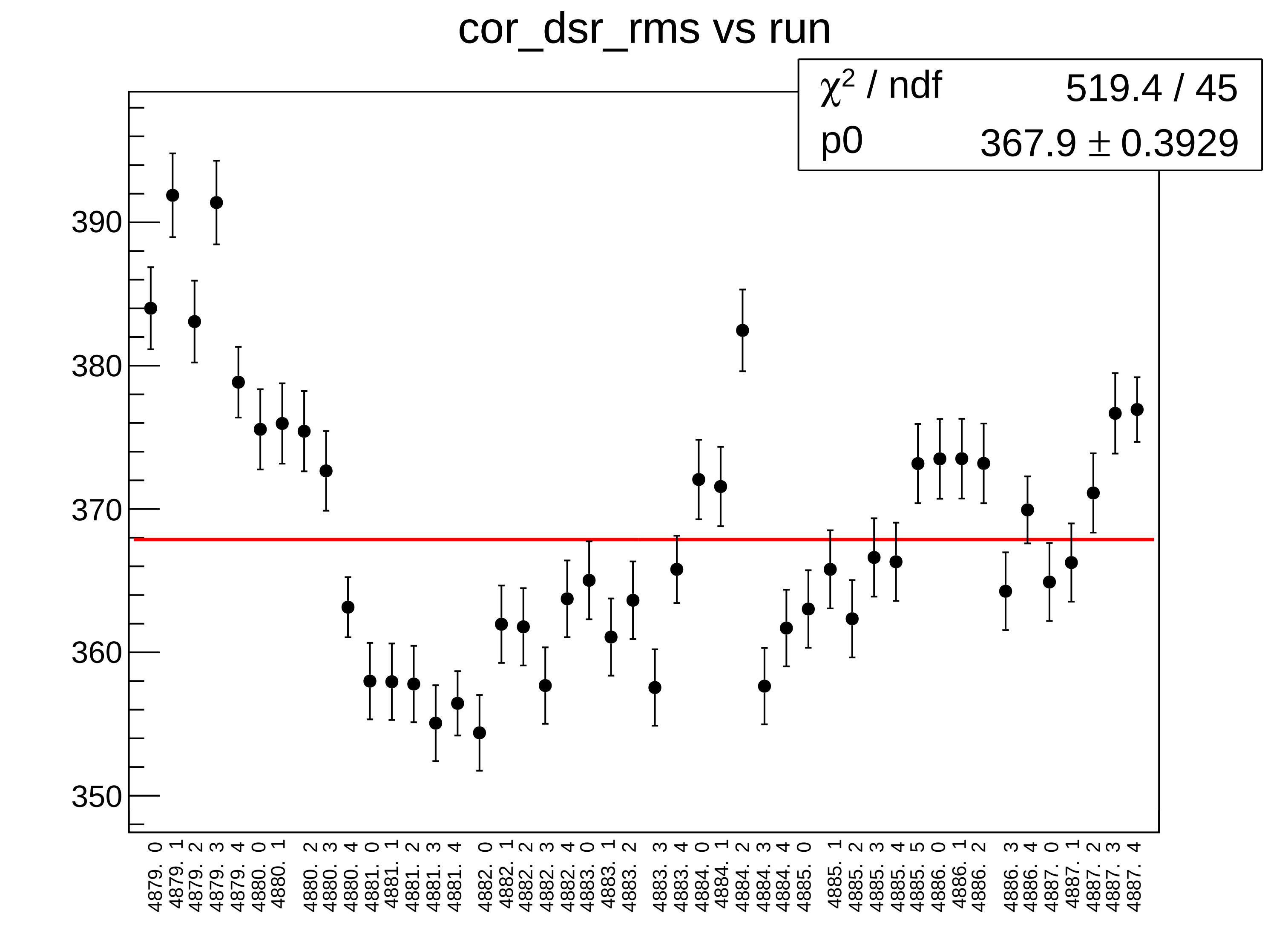
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



cor_dsr_mean vs run
χ2 / ndf 44.51 / 45
p0 904.7 ± 555.7
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −276.5
Std Dev 302.9
pull1D
Entries 46
Mean 0.0136
Std Dev 0.9835



cor_dsr_rms vs run
χ^2 / ndf 519.4 / 45
p0 367.9 ± 0.3929
390
380
370
360
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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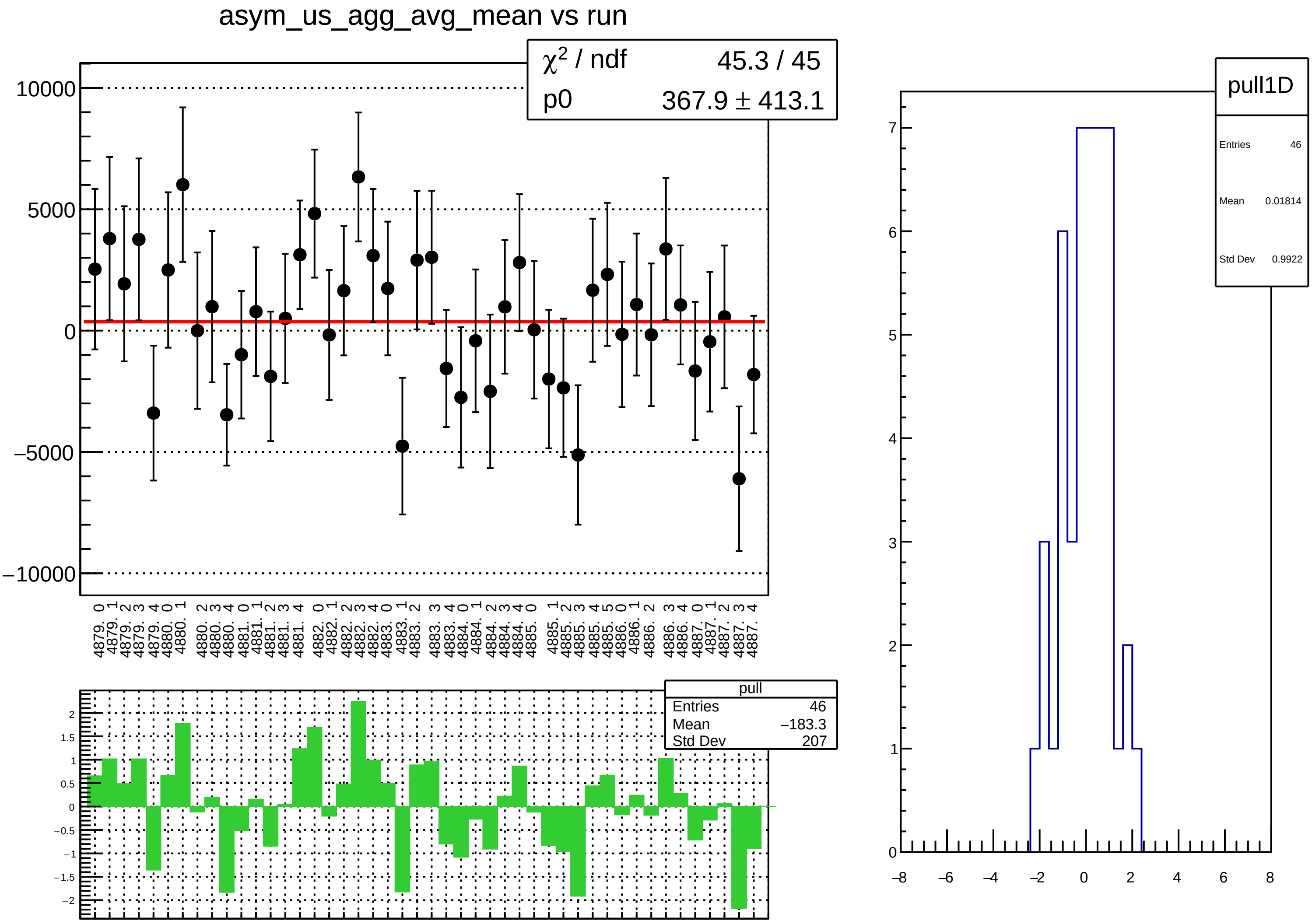
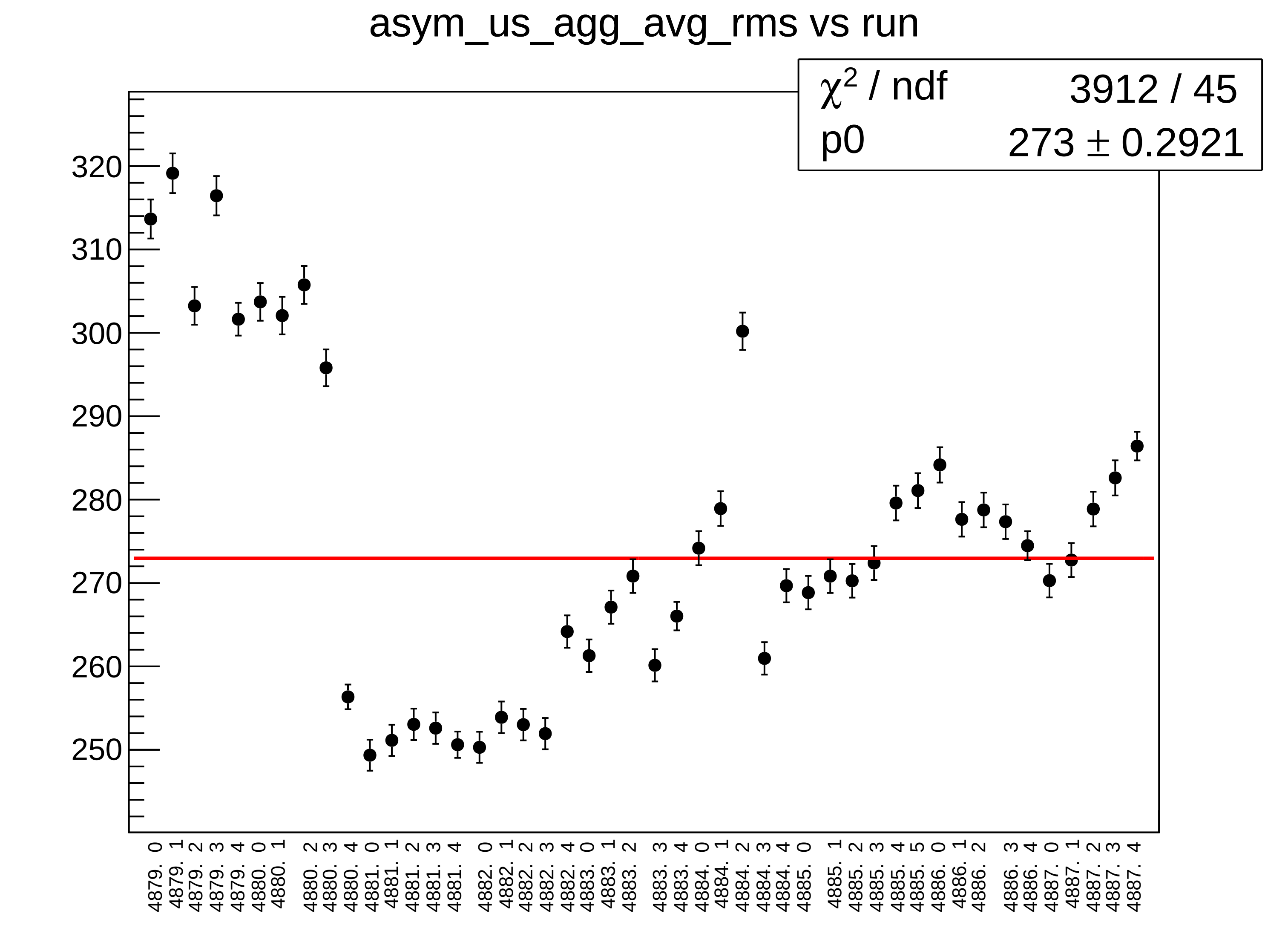
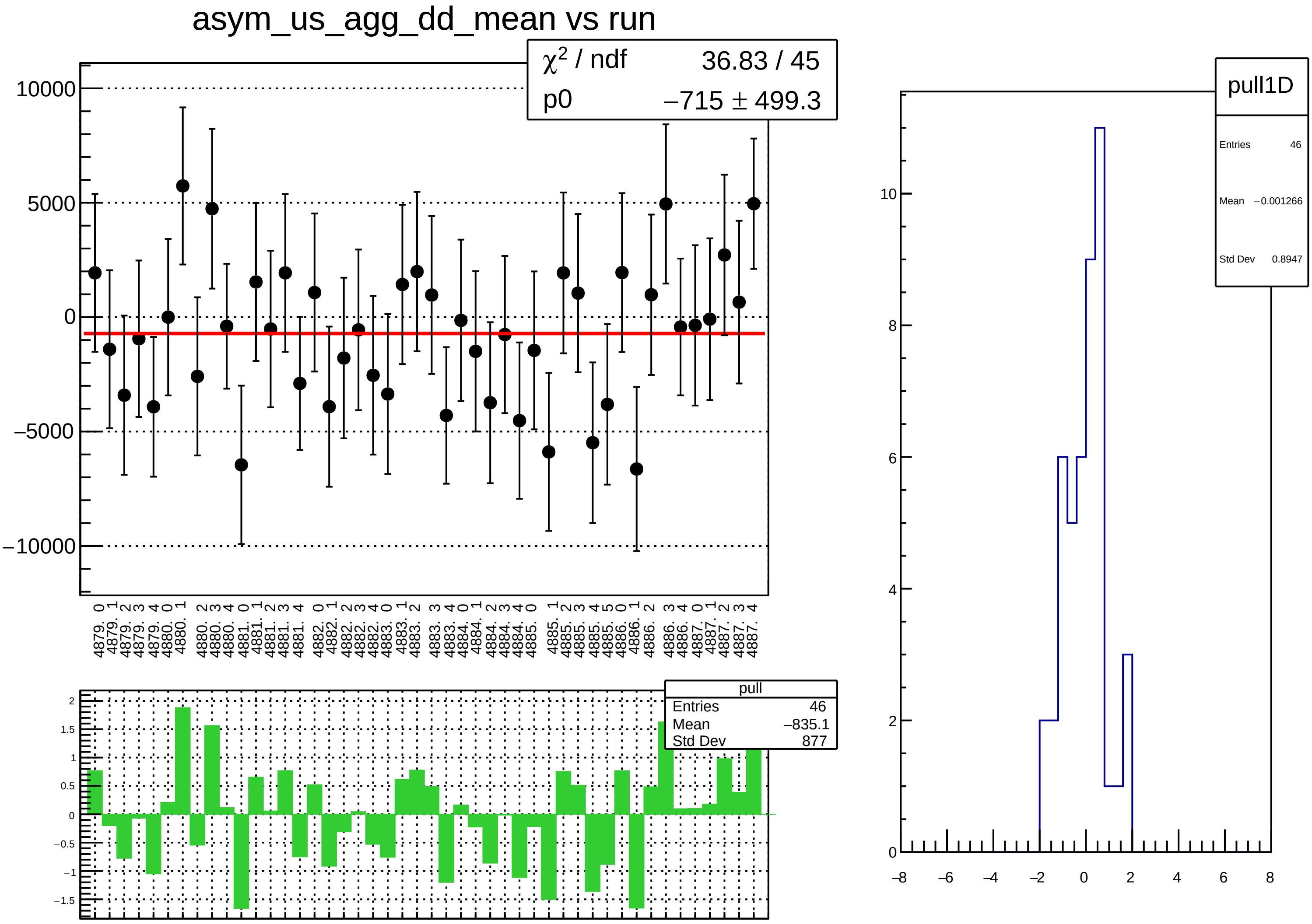
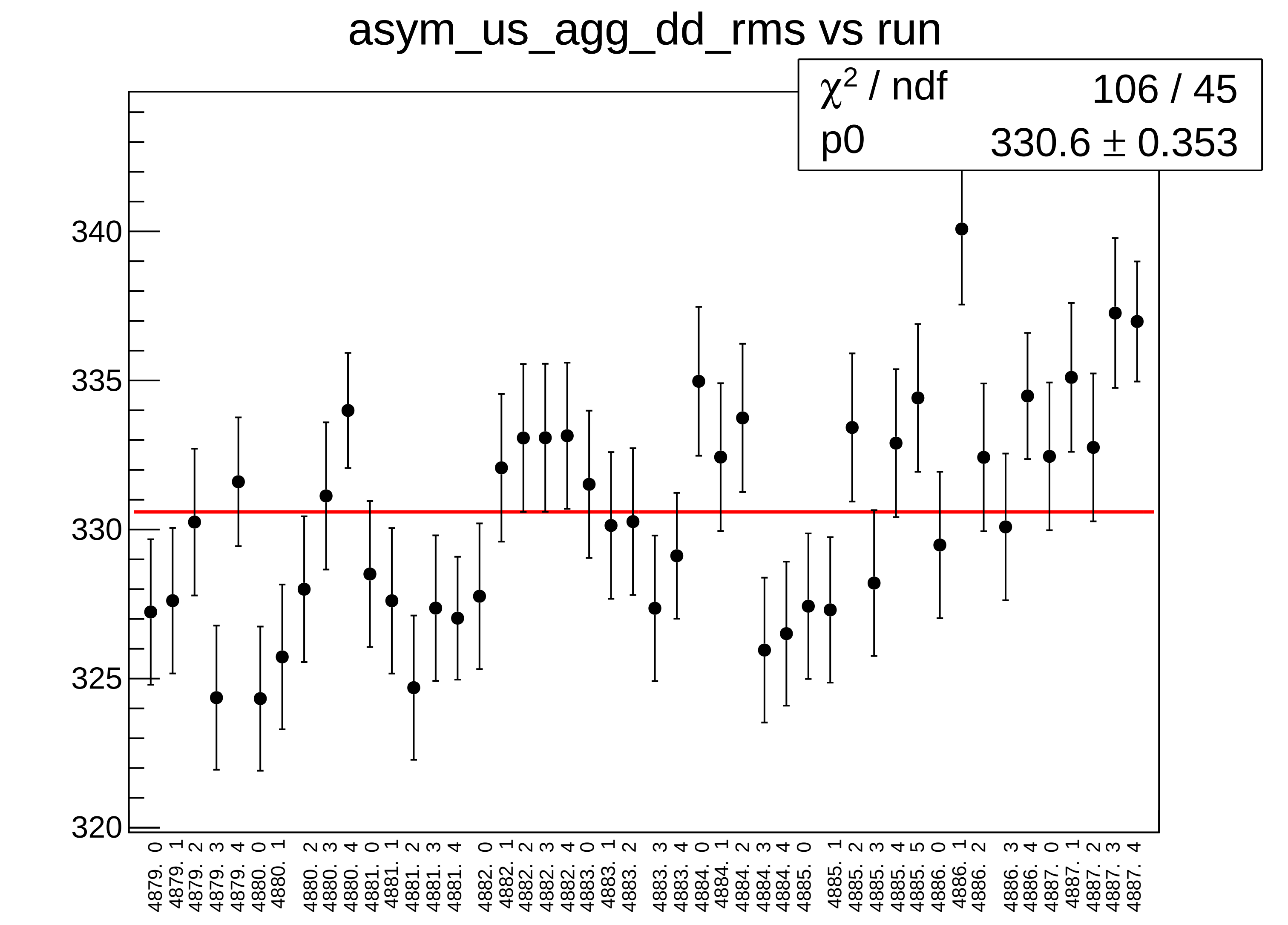
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_us_agg_avg_mean vs run
χ^2 / ndf 45.3 / 45
p0 367.9 ± 413.1
pull
Entries 46
Mean −183.3
Std Dev 207
pull1D
Entries 46
Mean 0.01814
Std Dev 0.9922



asym_us_agg_avg_rms vs run
χ2 / ndf 3912 / 45
p0 273 ± 0.2921
320
310
300
290
280
270
260
250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_us_agg_dd_mean vs run
χ^2 / ndf 36.83 / 45
p0 −715 ± 499.3
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −835.1
Std Dev 877
pull1D
Entries 46
Mean −0.001266
Std Dev 0.8947



asym_us_agg_dd_rms vs run
χ^2 / ndf 106 / 45
p0 330.6 ± 0.353
340
335
330
325
320
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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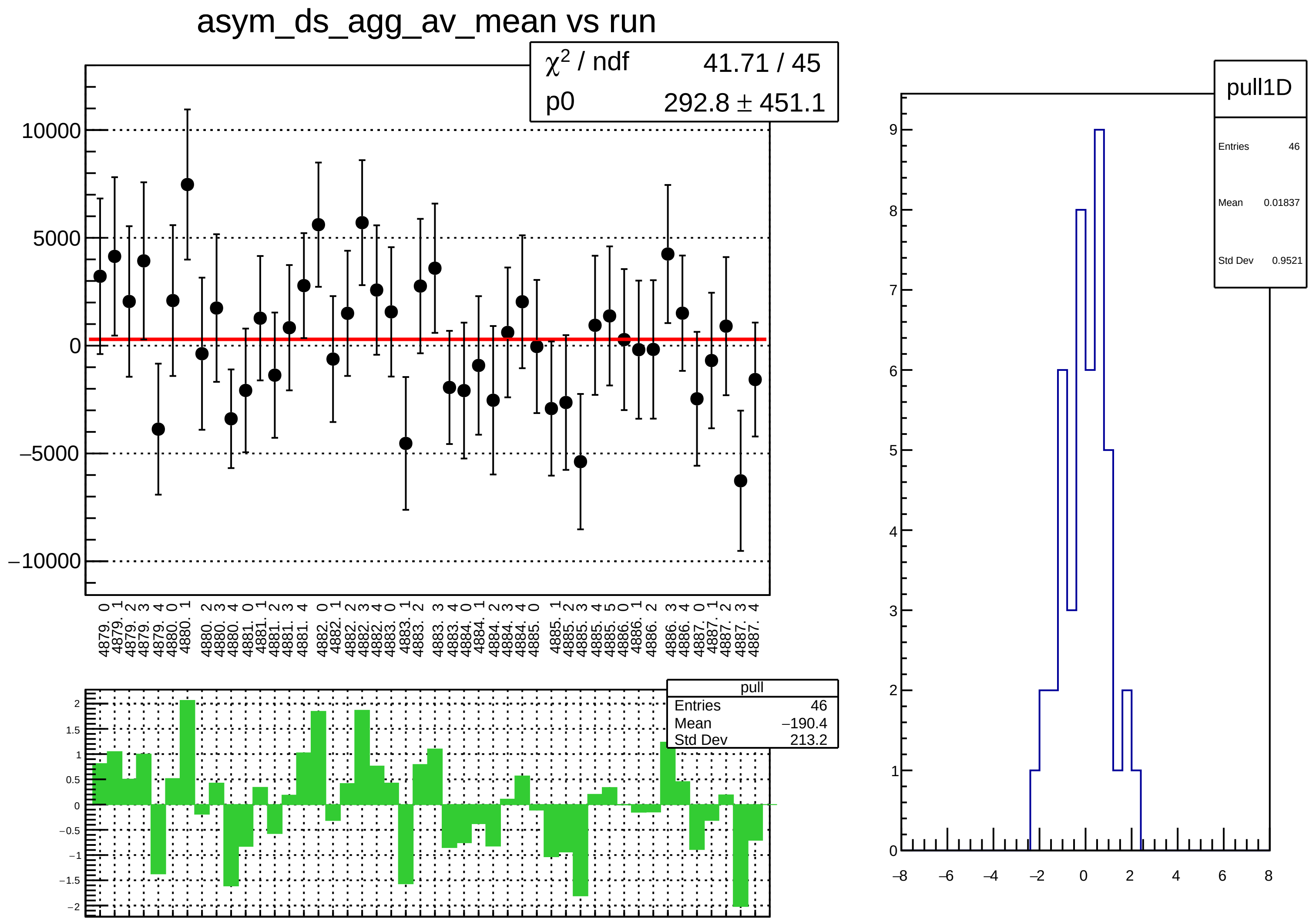
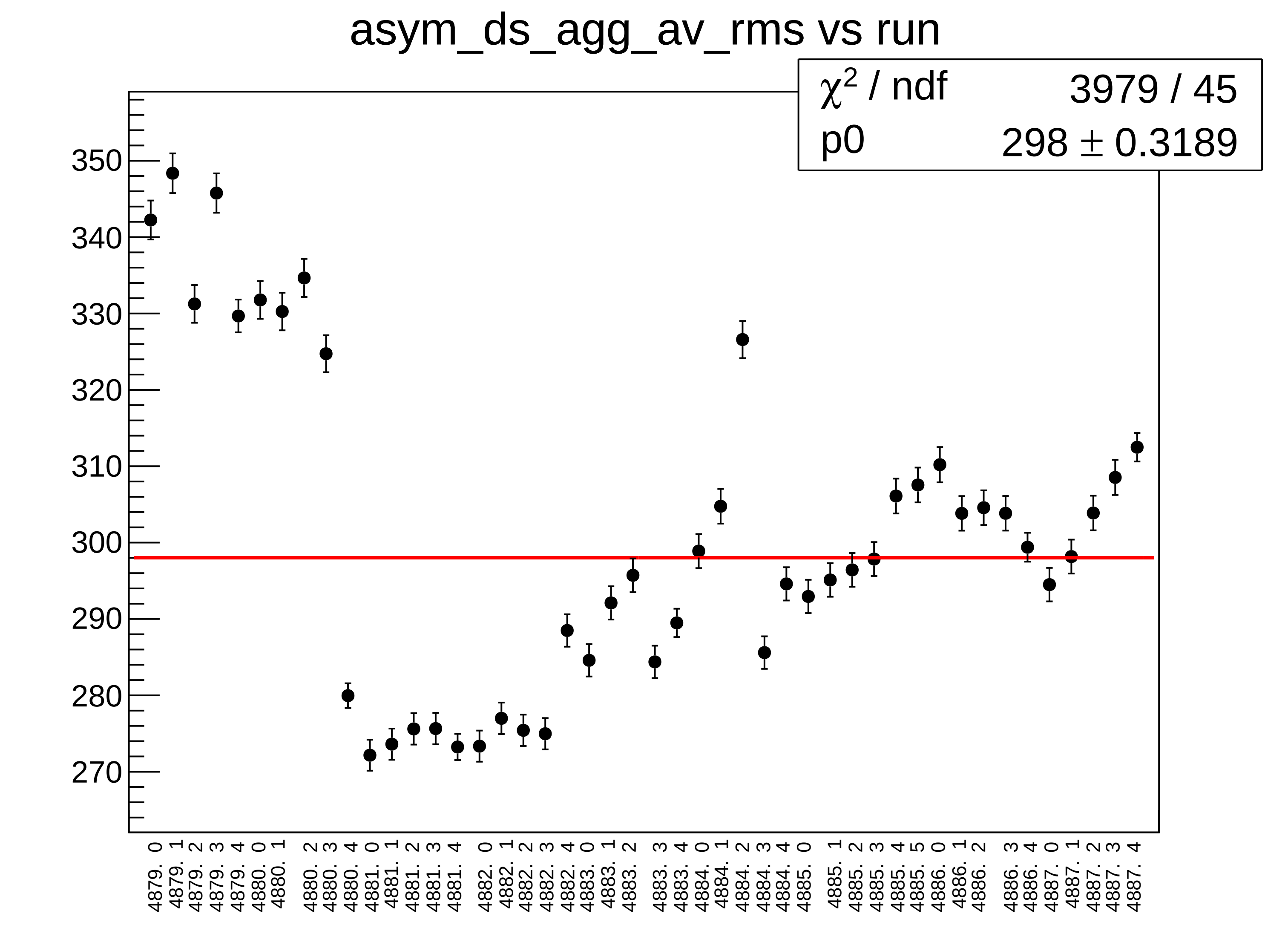
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_ds_agg_av_mean vs run
χ^2 / ndf 41.71 / 45
p0 292.8 ± 451.1
pull
Entries 46
Mean −190.4
Std Dev 213.2
pull1D
Entries 46
Mean 0.01837
Std Dev 0.9521


asym_ds_agg_av_rms vs run
χ^2 / ndf 3979 / 45
p0 298 ± 0.3189
350
340
330
320
310
300
290
280
270
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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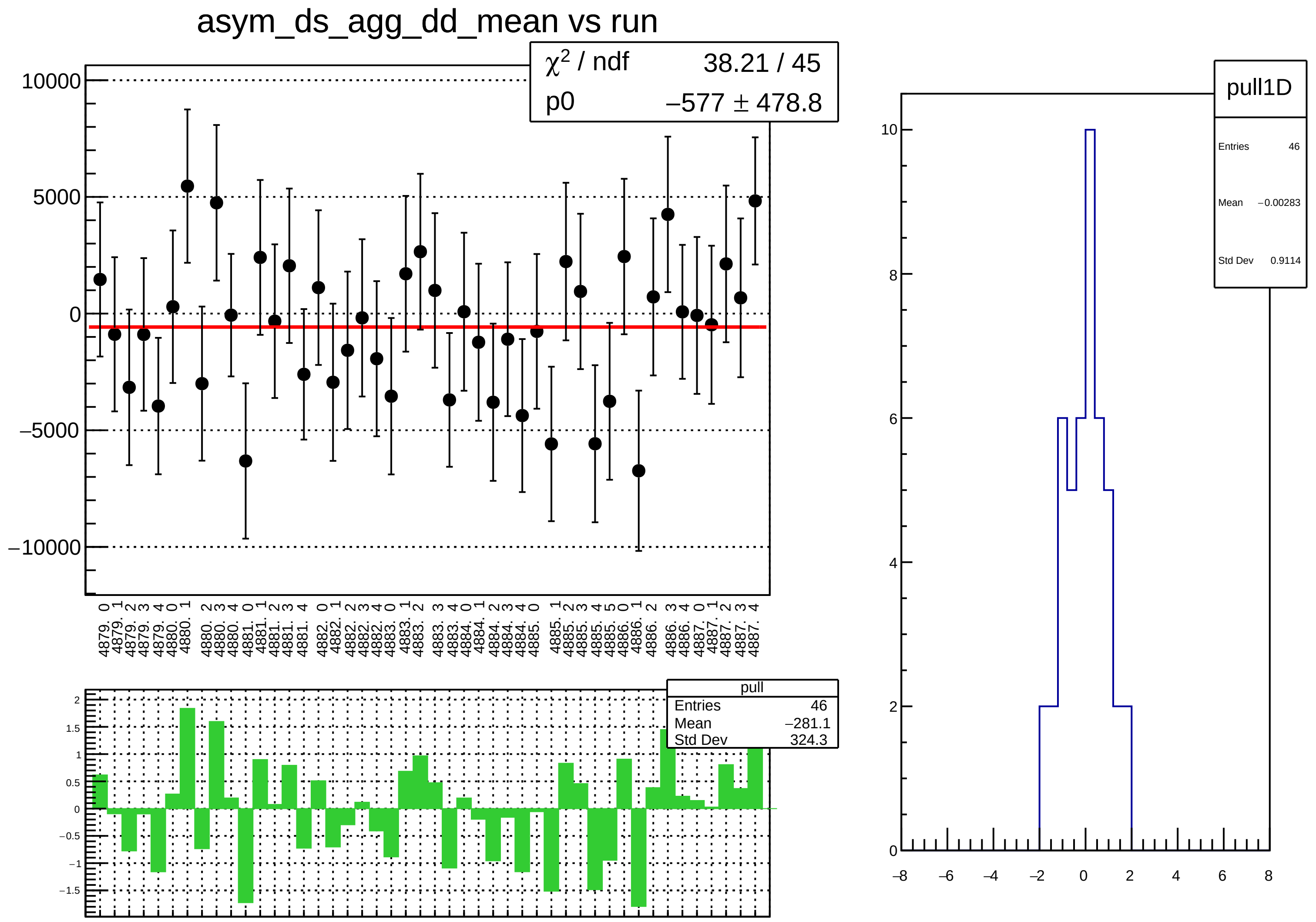
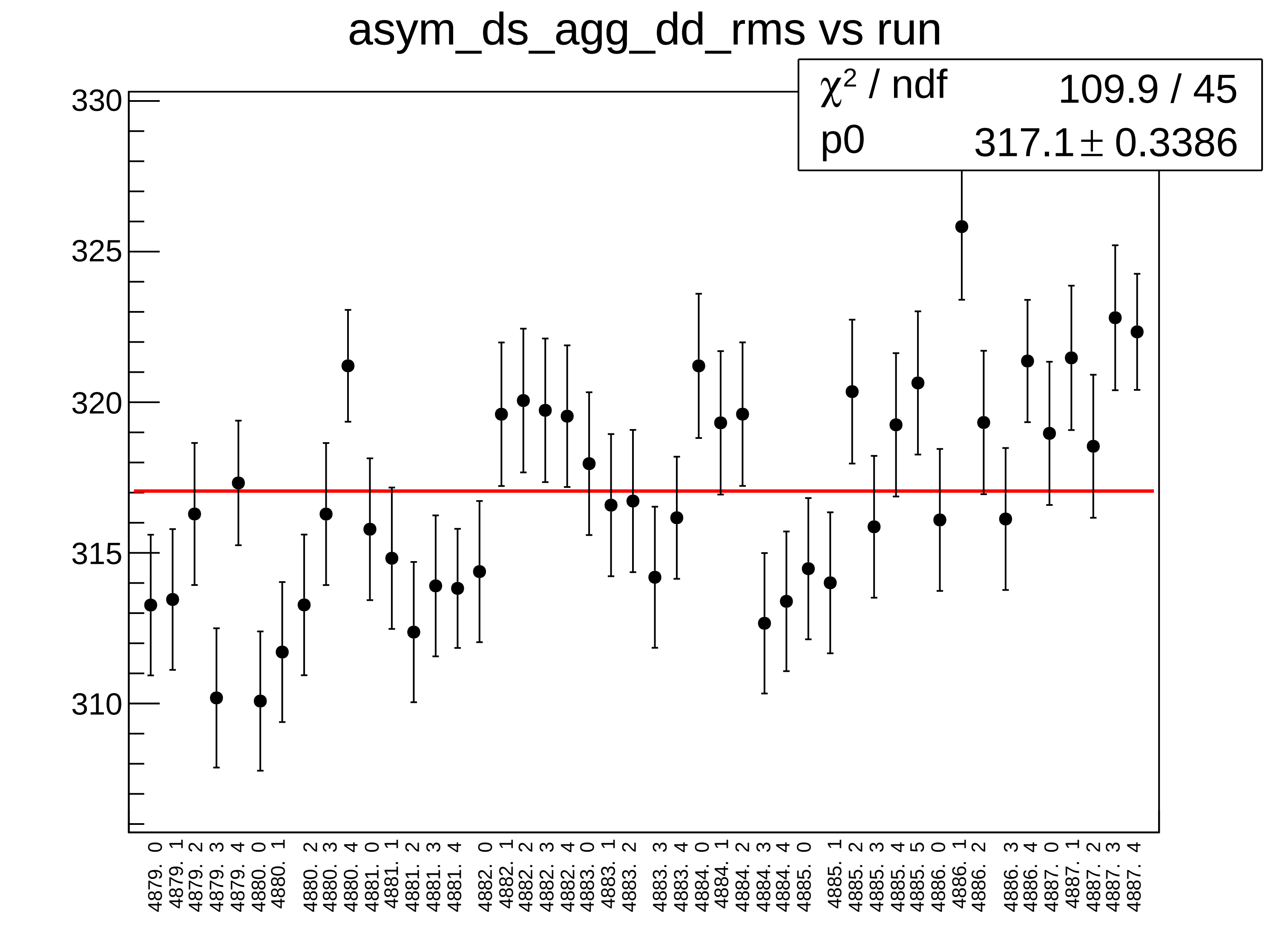
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_ds_agg_dd_mean vs run
χ^2 / ndf 38.21 / 45
p0 −577 ± 478.8
pull
Entries 46
Mean −281.1
Std Dev 324.3
pull1D
Entries 46
Mean −0.00283
Std Dev 0.9114



asym_ds_agg_dd_rms vs run
χ2 / ndf 109.9 / 45
p0 317.1 ± 0.3386
330
325
320
315
310
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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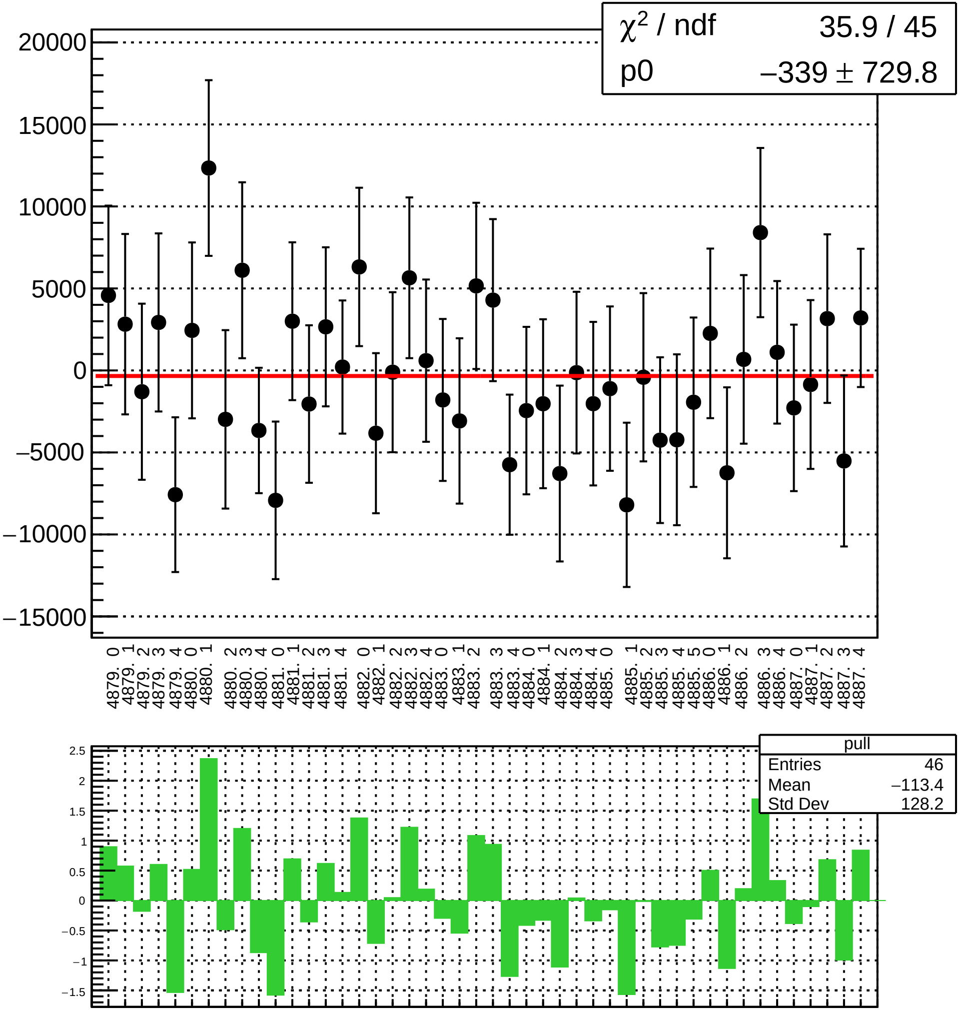
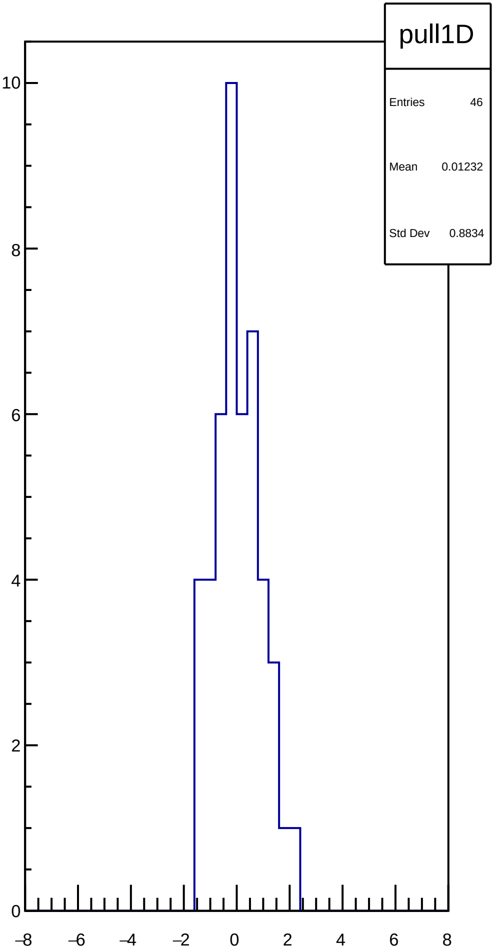
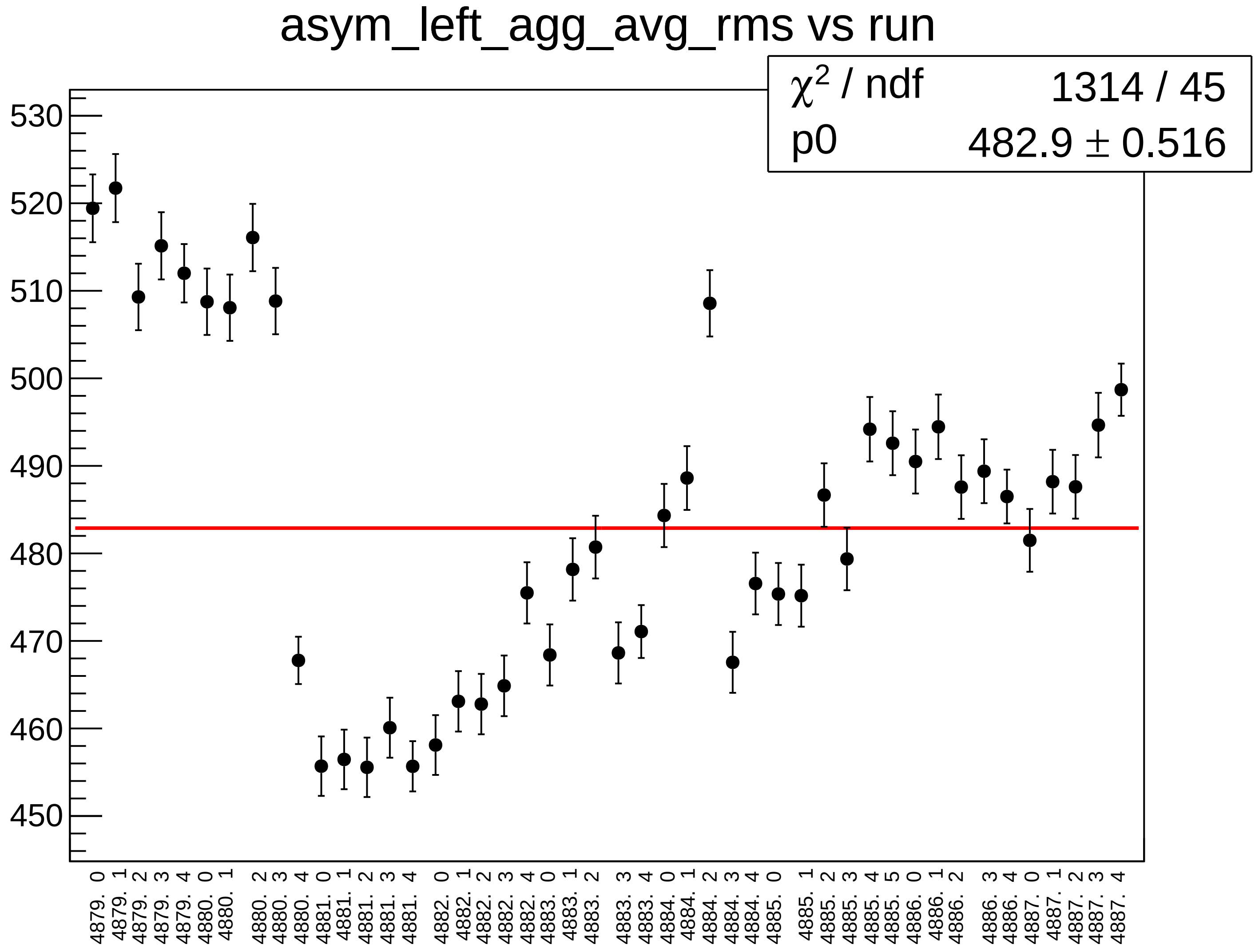
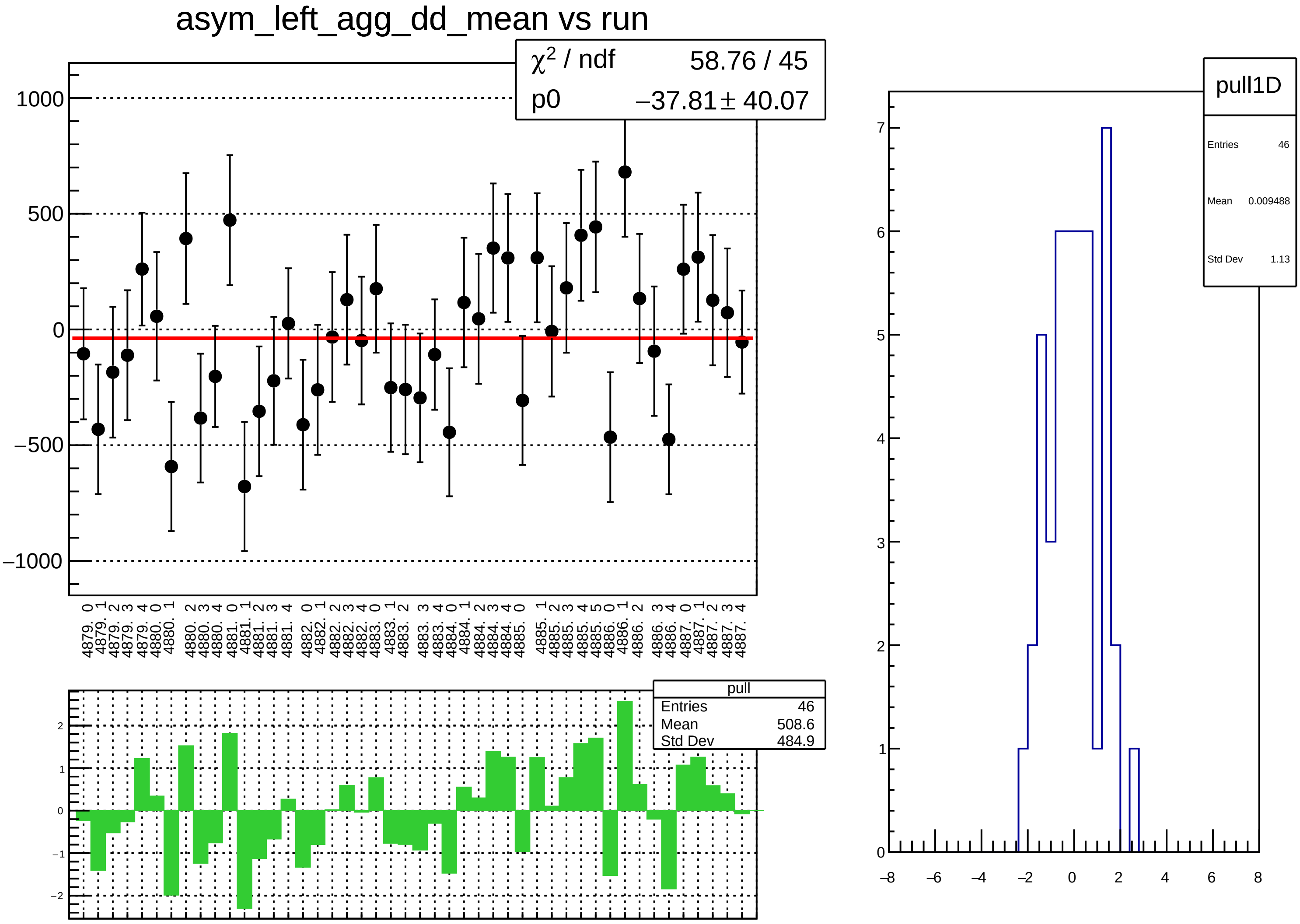
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_left_agg_avg_mean vs run

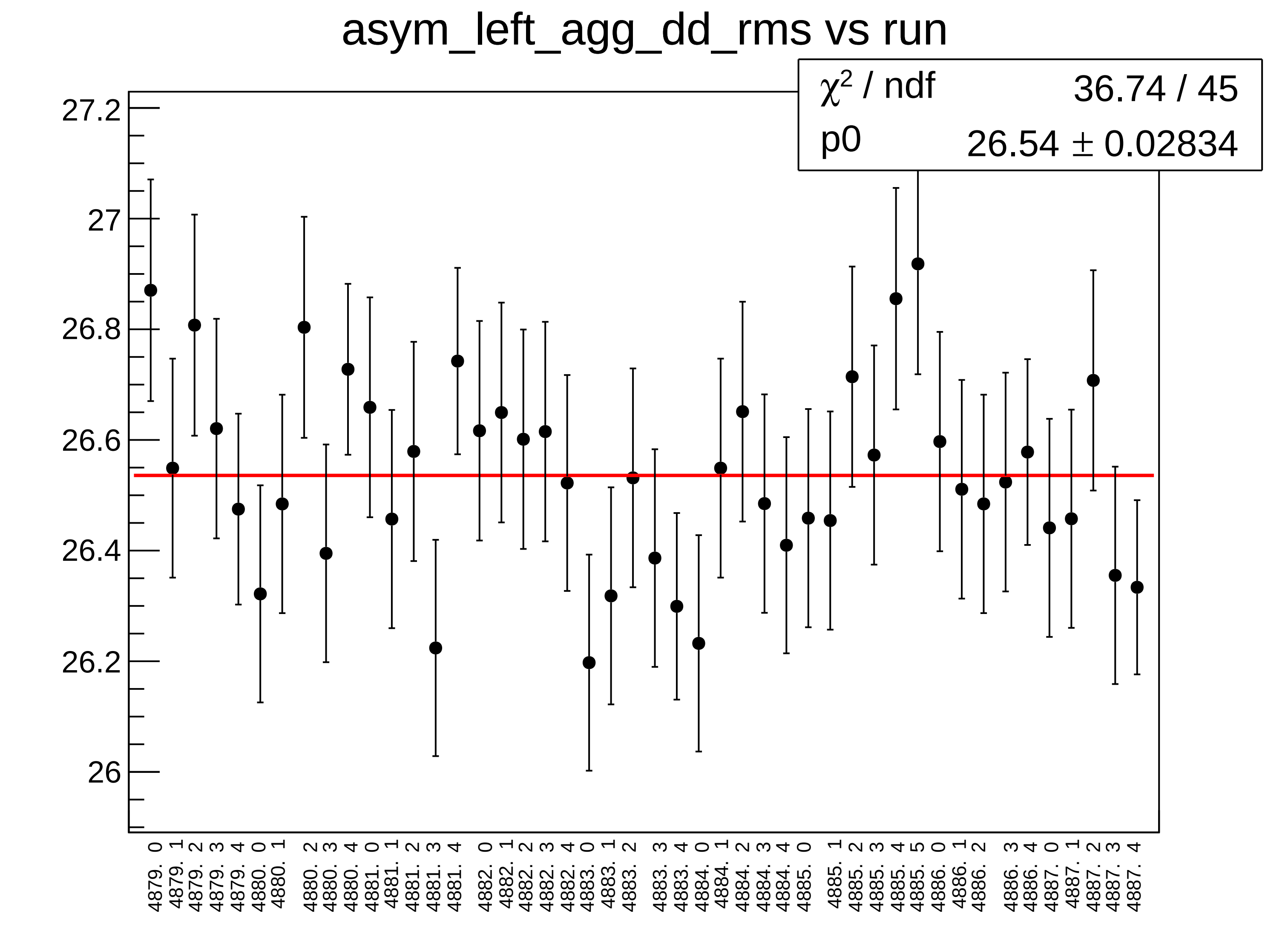




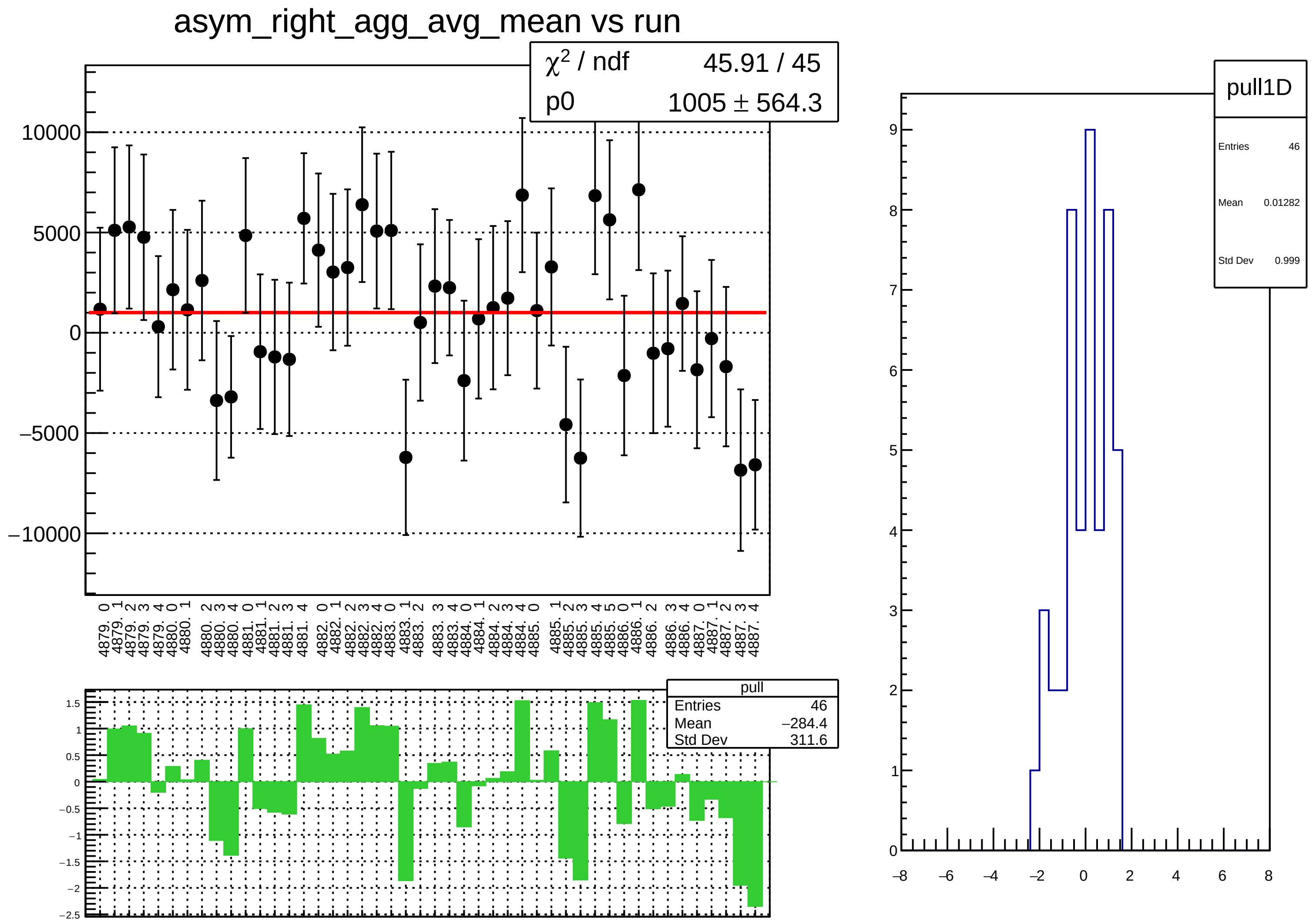

asym_left_agg_avg_rms vs run
χ² / ndf 1314 / 45
p0 482.9 ± 0.516
530
520
510
500
490
480
470
460
450



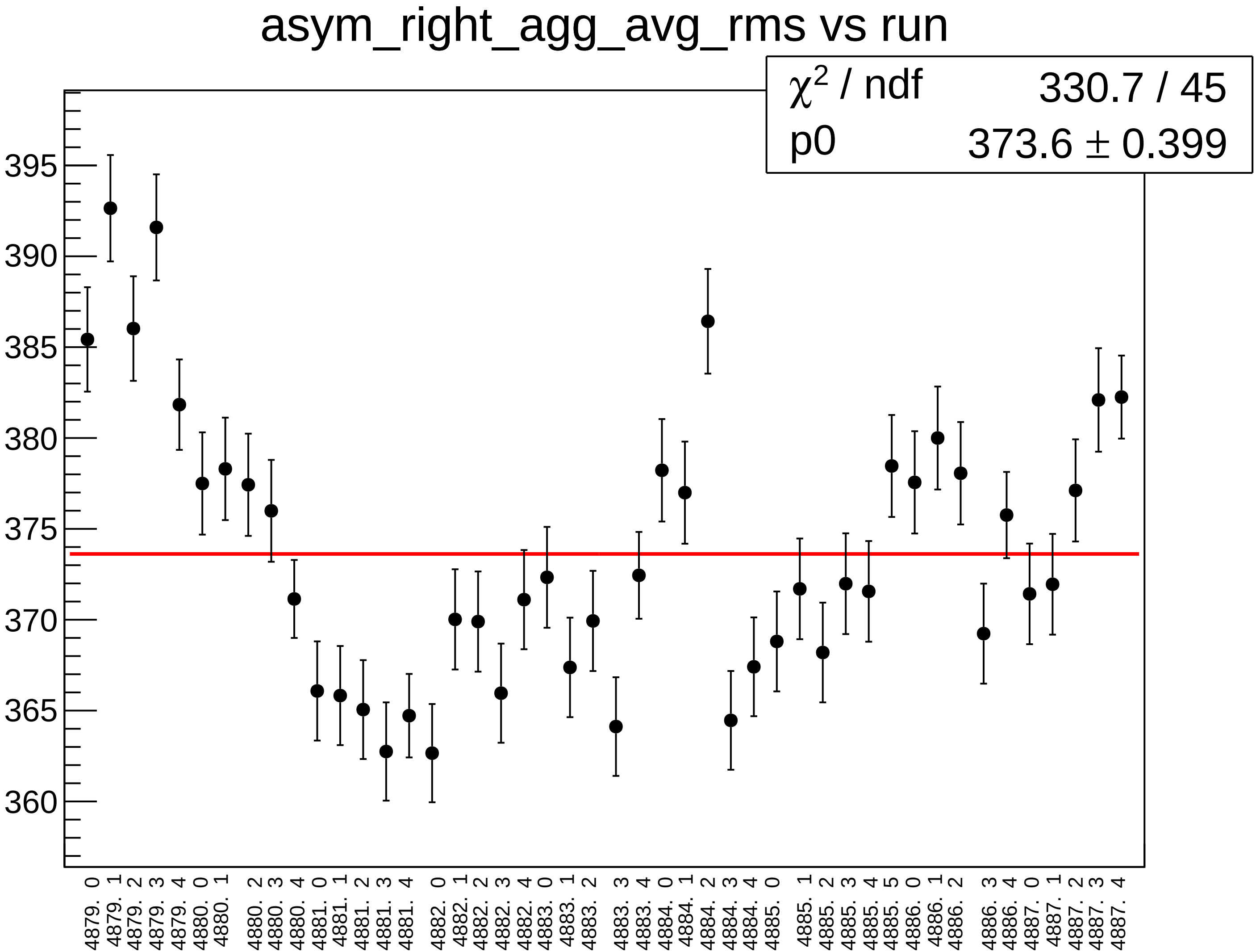
asym_left_agg_dd_mean vs run
χ2 / ndf 58.76 / 45
p0 −37.81 ± 40.07
pull
Entries 46
Mean 508.6
Std Dev 484.9
pull1D
Entries 46
Mean 0.009488
Std Dev 1.13



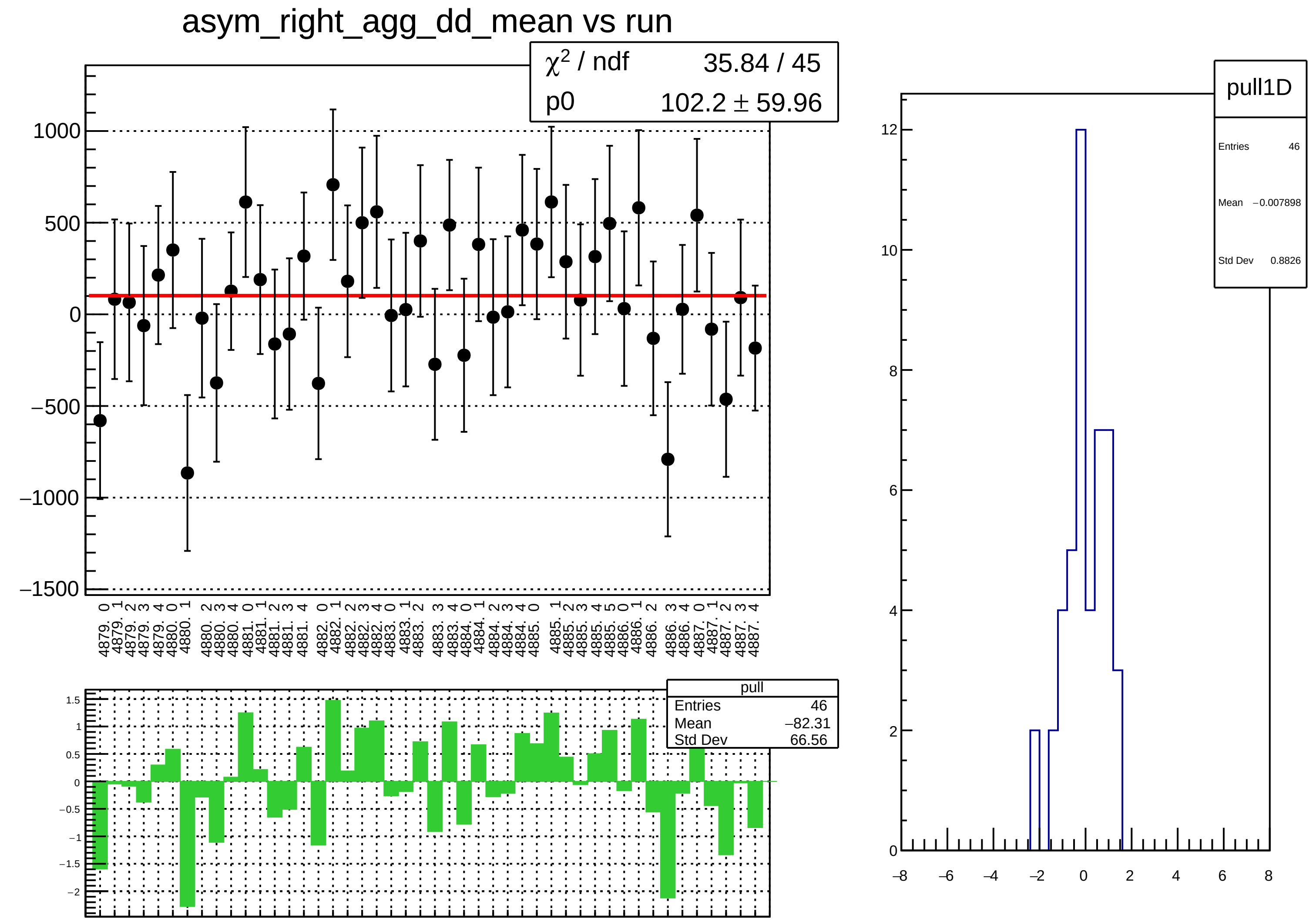
asym_left_agg_dd_rms vs run
χ² / ndf 36.74 / 45
p0 26.54 ± 0.02834
27.2
27
26.8
26.6
26.4
26.2
26
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



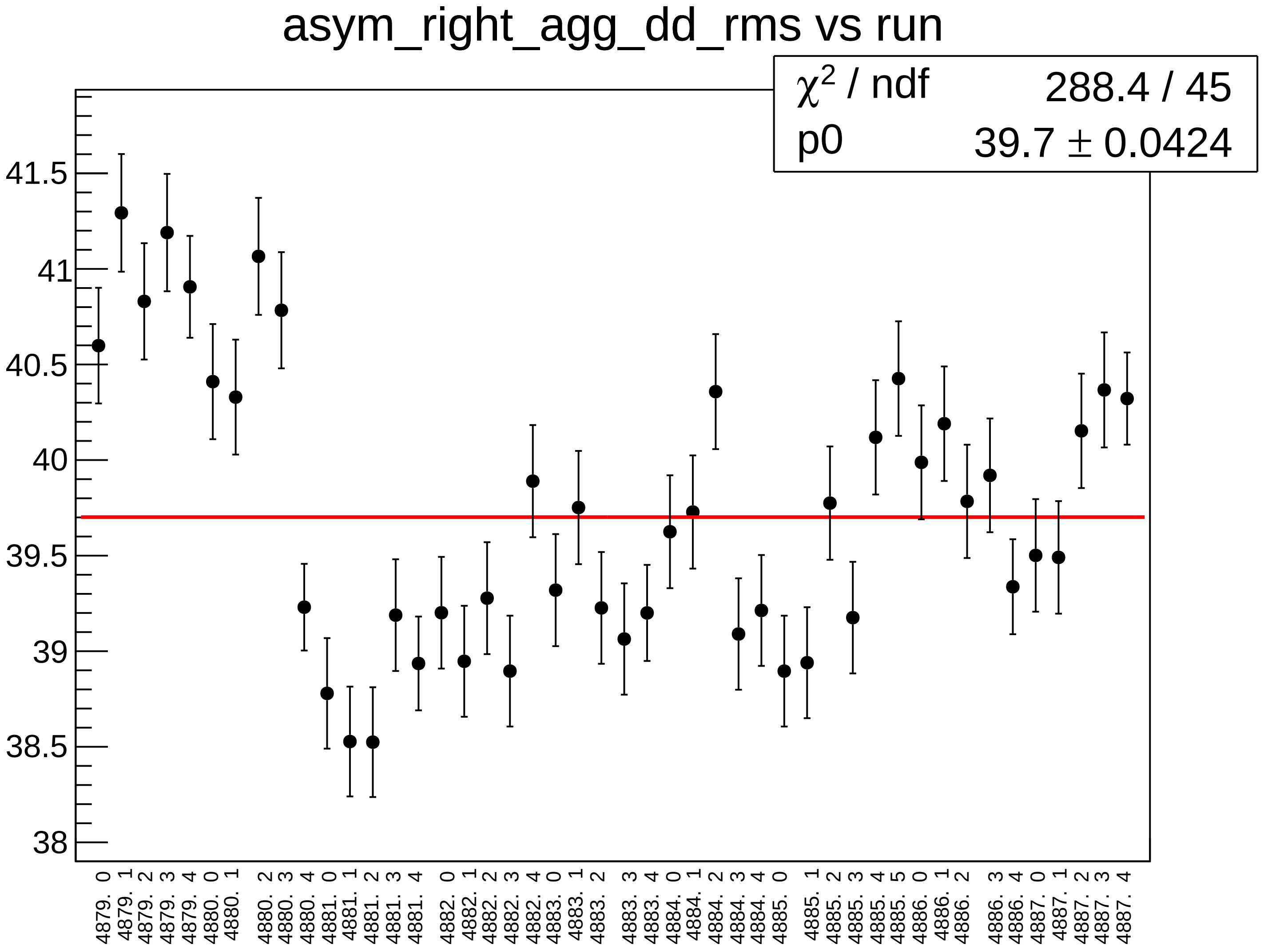
asym_right_agg_avg_mean vs run
χ^2 / ndf 45.91 / 45
p0 1005 ± 564.3
pull
Entries 46
Mean −284.4
Std Dev 311.6
pull1D
Entries 46
Mean 0.01282
Std Dev 0.999



asym_right_agg_avg_rms vs run
χ² / ndf 330.7 / 45
p0 373.6 ± 0.399
395
390
385
380
375
370
365
360



asym_right_agg_dd_mean vs run
χ2 / ndf 35.84 / 45
p0 102.2 ± 59.96
pull
Entries 46
Mean −82.31
Std Dev 66.56
pull1D
Entries 46
Mean −0.007898
Std Dev 0.8826



asym_right_agg_dd_rms vs run
χ^2 / ndf 288.4 / 45
p0 39.7 ± 0.0424
41.5
41
40.5
40
39.5
39
38.5
38
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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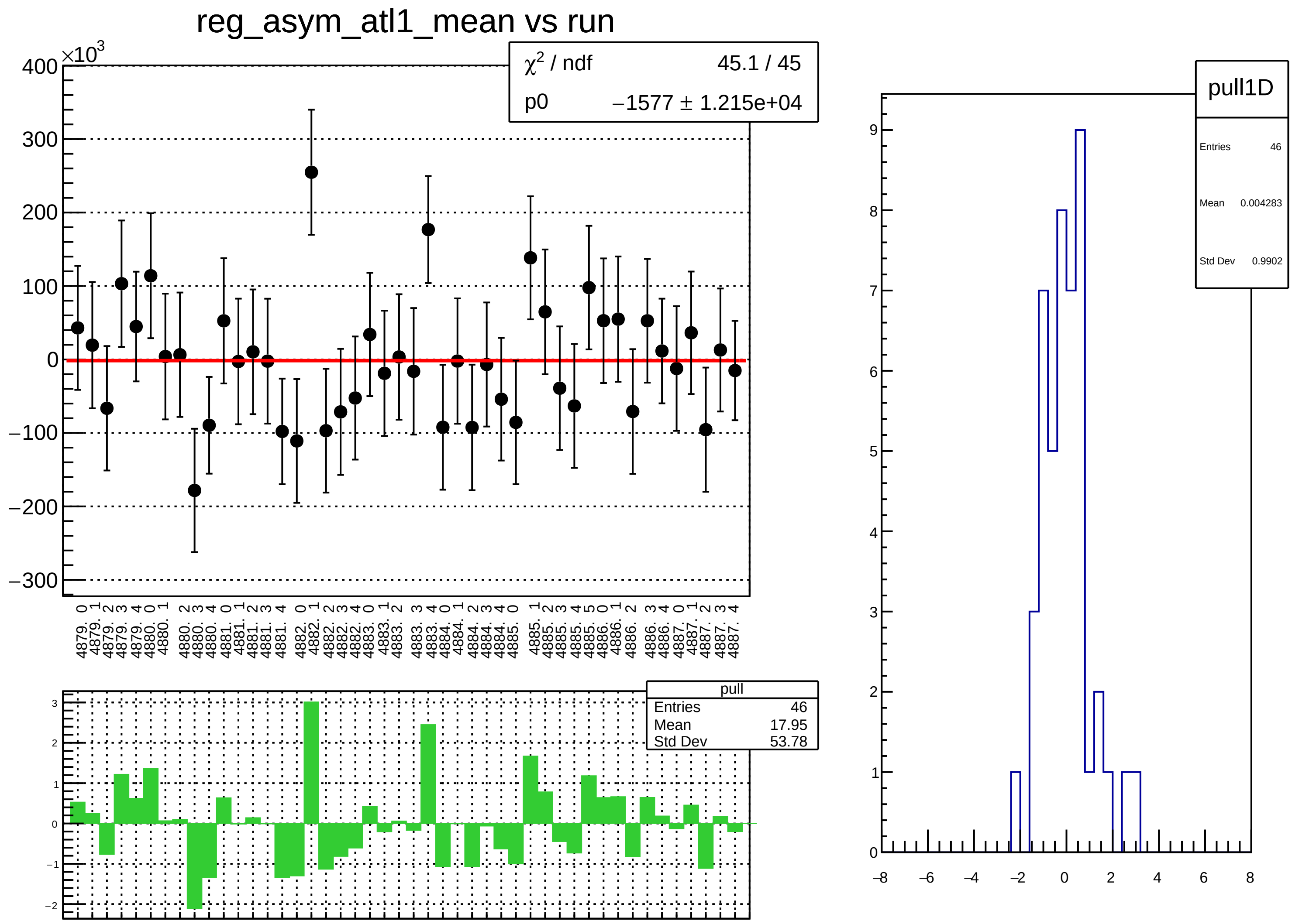
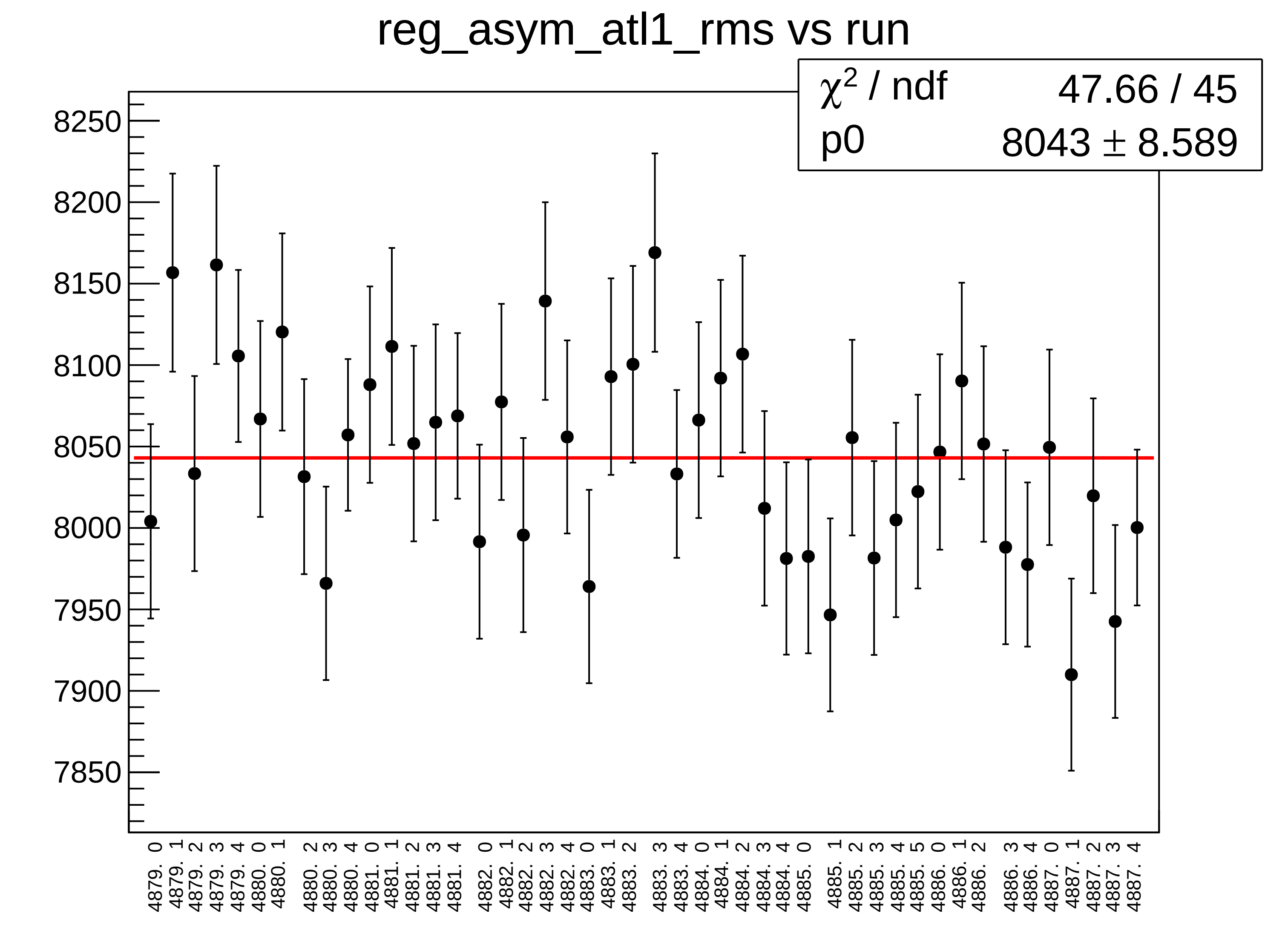
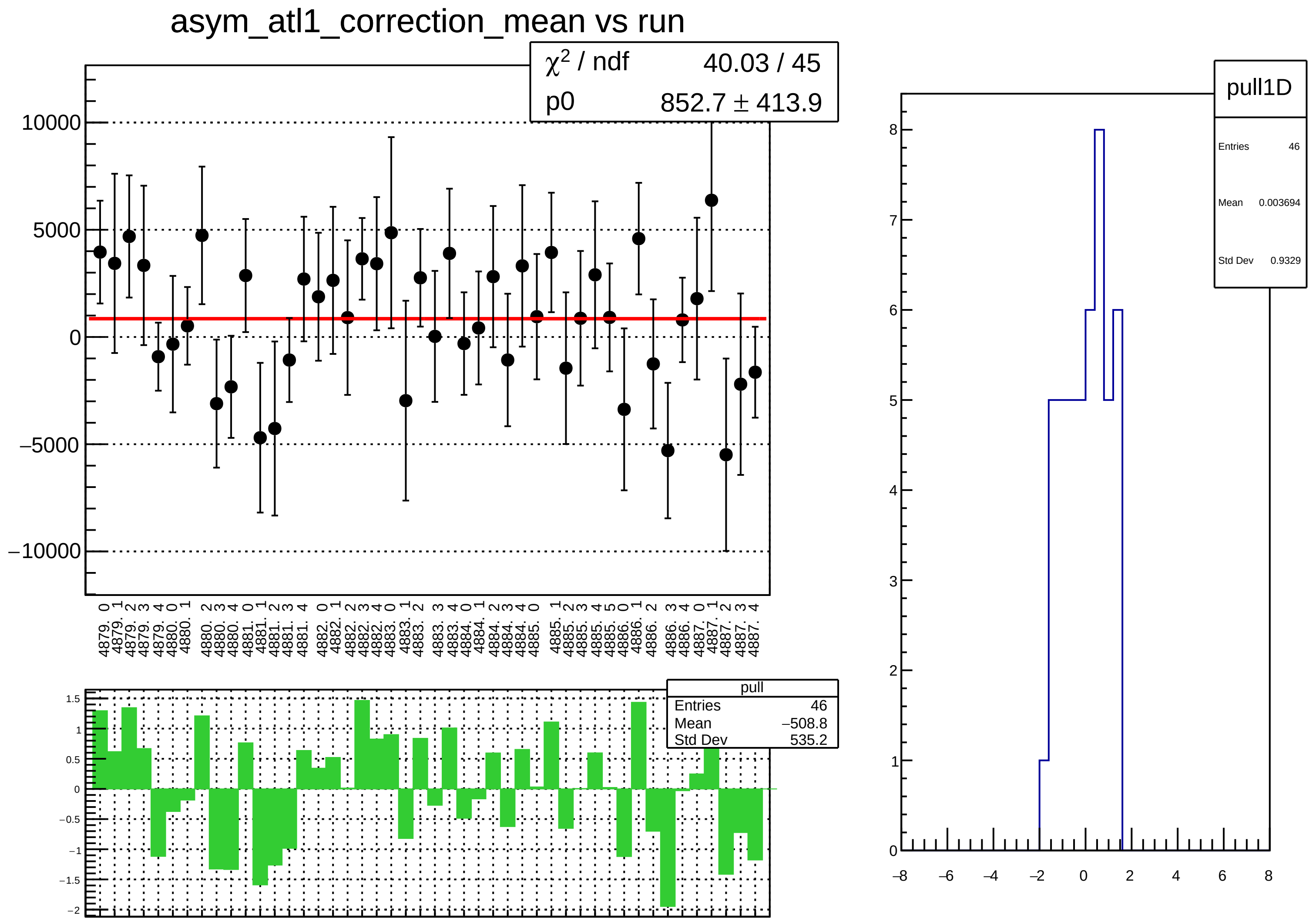
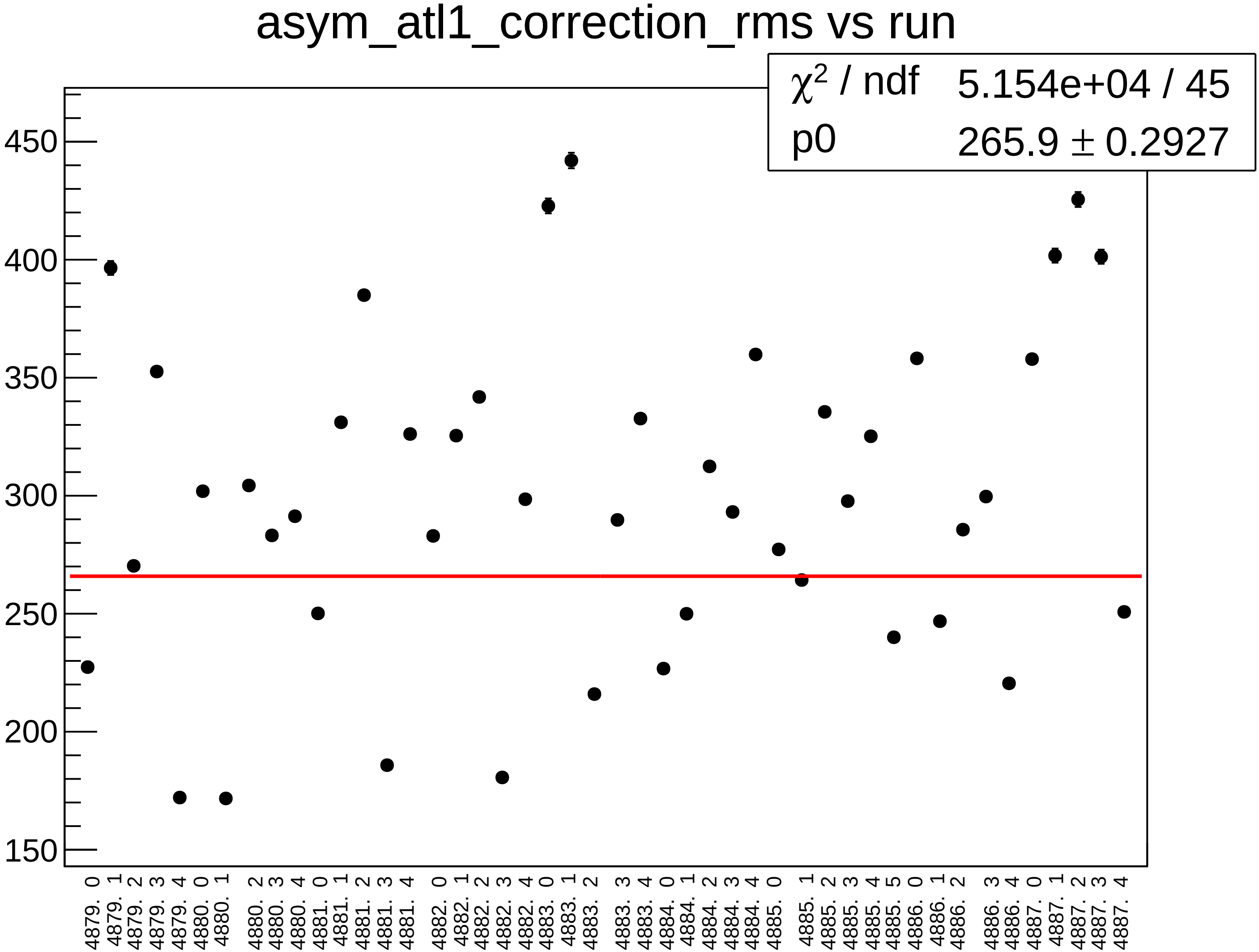
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_atl1_mean vs run
χ^2 / ndf 45.1 / 45
p0 −1577 ± 1.215e+04
pull
Entries 46
Mean 17.95
Std Dev 53.78
pull1D
Entries 46
Mean 0.004283
Std Dev 0.9902



reg_asym_atl1_rms vs run
χ2 / ndf 47.66 / 45
p0 8043 ± 8.589
8250
8200
8150
8100
8050
8000
7950
7900
7850
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_atl1_correction_mean vs run
χ2 / ndf 40.03 / 45
p0 852.7 ± 413.9
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −508.8
Std Dev 535.2
pull1D
Entries 46
Mean 0.003694
Std Dev 0.9329



asym_atl1_correction_rms vs run
χ2 / ndf 5.154e+04 / 45
p0 265.9 ± 0.2927
450
400
350
300
250
200
150
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
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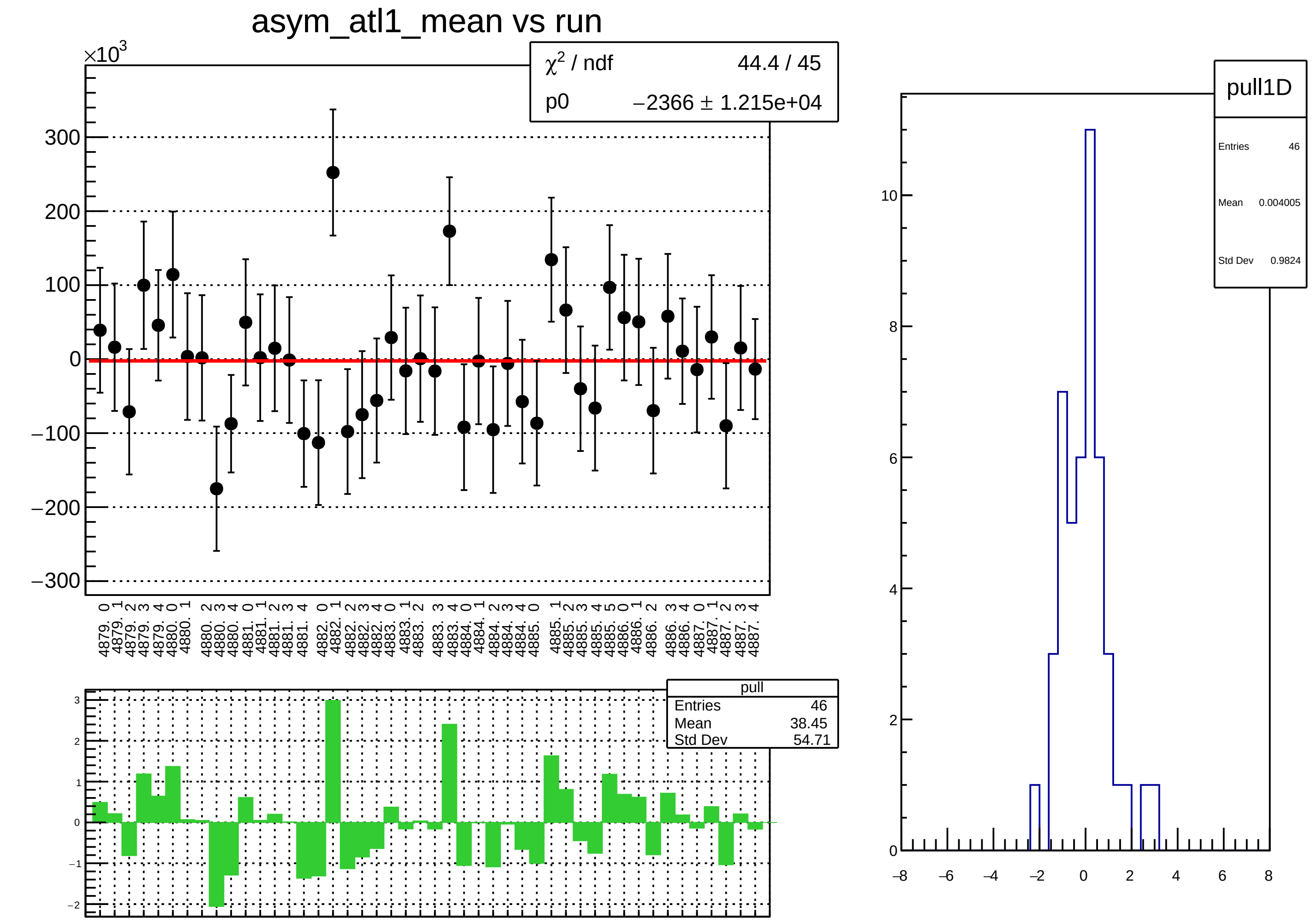
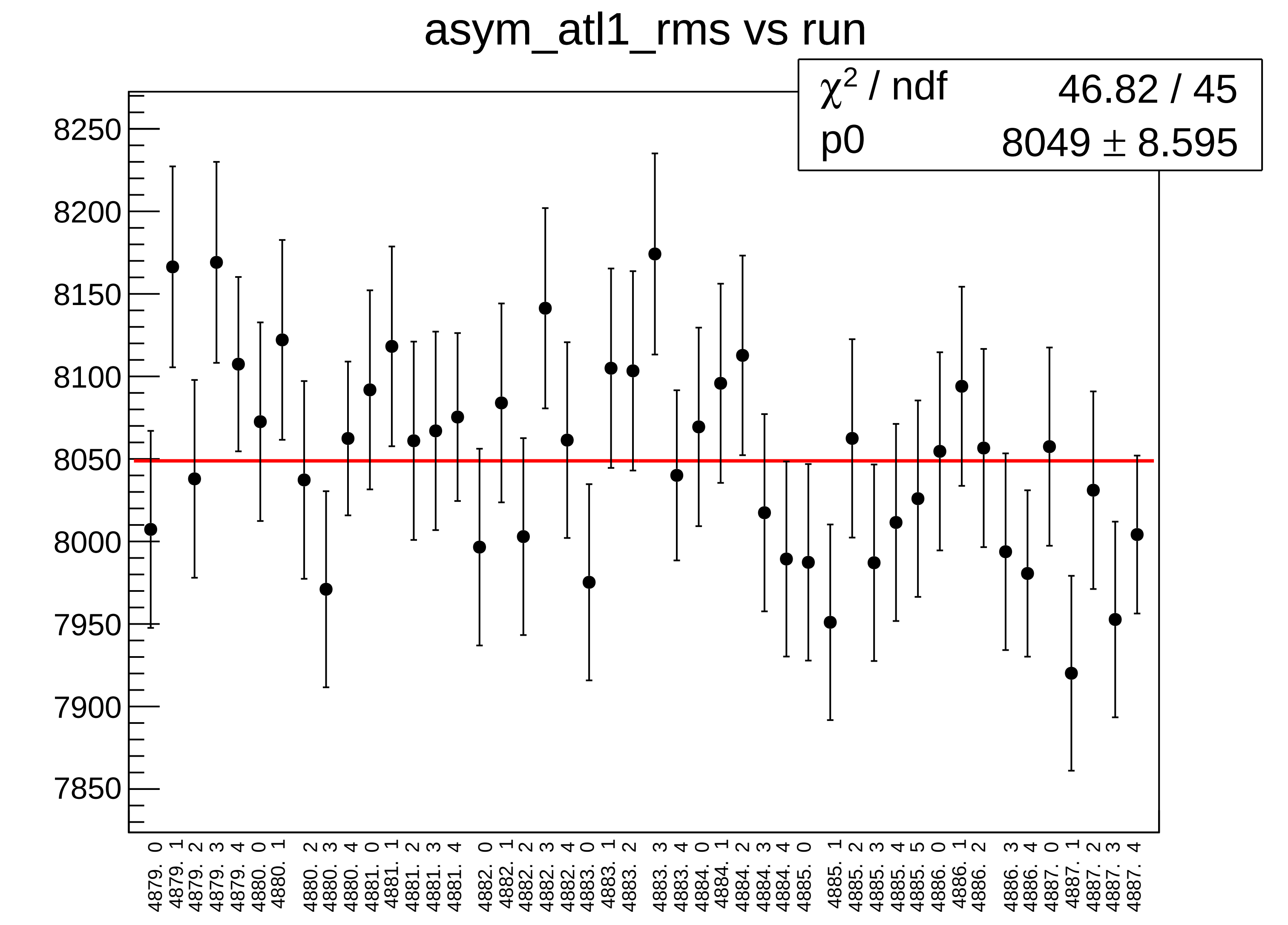
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



asym_atl1_mean vs run
$\times10^{3}$
χ^2 / ndf 44.4 / 45
p0 −2366 ± 1.215e+04
300
200
100
0
−100
−200
−300
pull
Entries 46
Mean 38.45
Std Dev 54.71
pull1D
Entries 46
Mean 0.004005
Std Dev 0.9824



asym_atl1_rms vs run
χ^2 / ndf 46.82 / 45
p0 8049 ± 8.595
8250
8200
8150
8100
8050
8000
7950
7900
7850
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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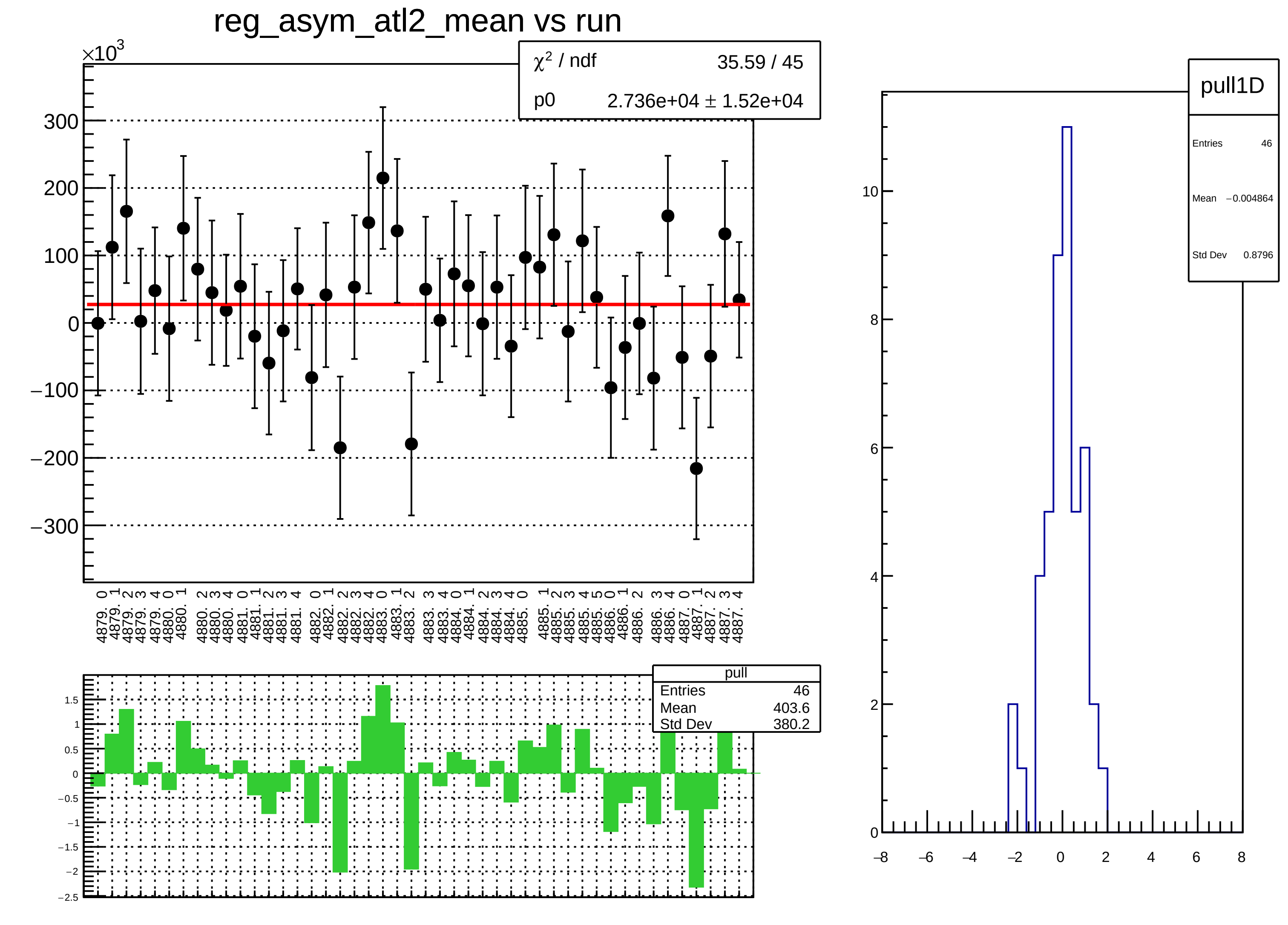
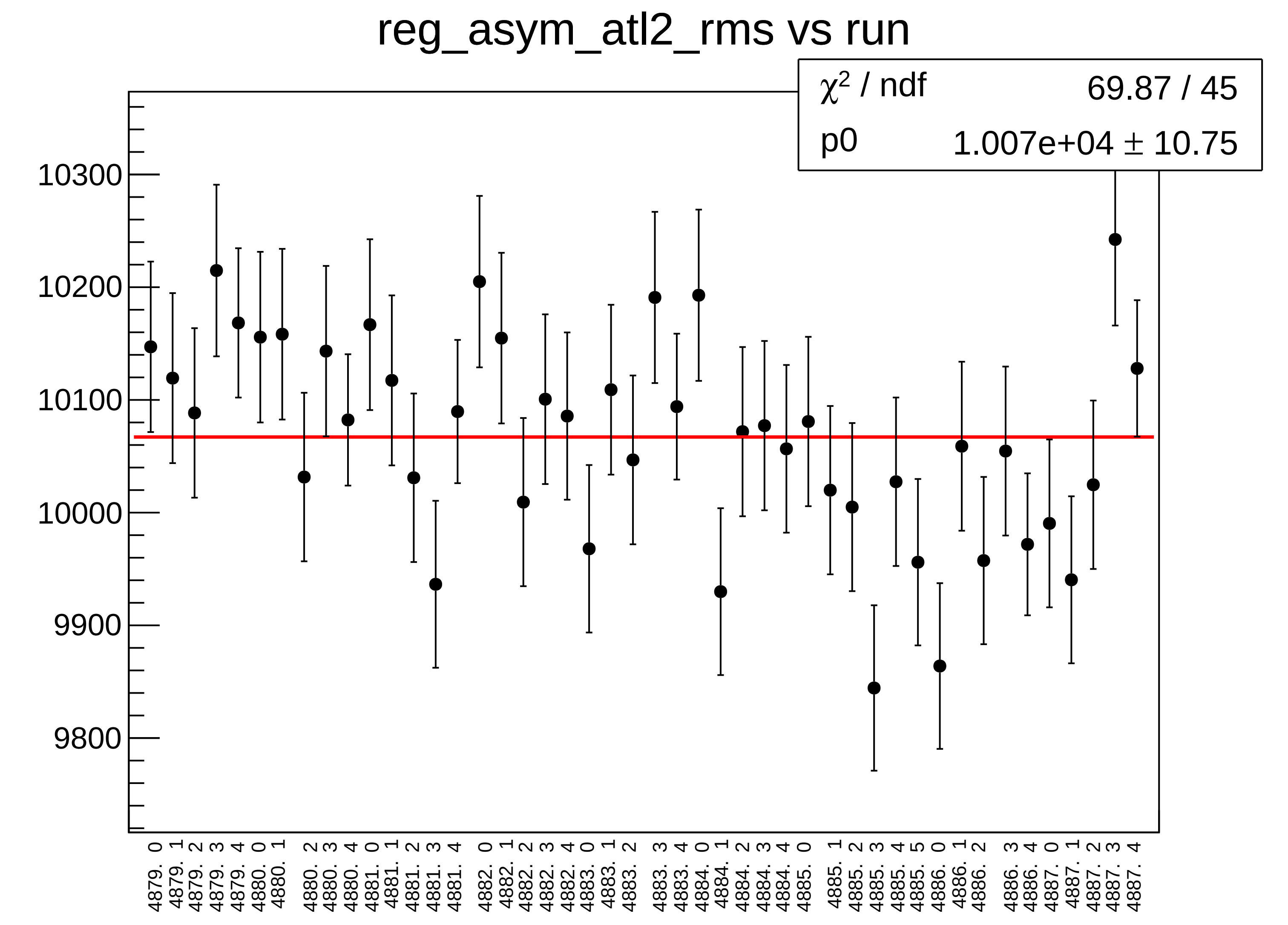
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_atl2_mean vs run
×10^3
χ2 / ndf 35.59 / 45
p0 2.736e+04 ± 1.52e+04
300
200
100
0
−100
−200
−300
pull
Entries 46
Mean 403.6
Std Dev 380.2
pull1D
Entries 46
Mean −0.004864
Std Dev 0.8796



reg_asym_atl2_rms vs run
χ2 / ndf 69.87 / 45
p0 1.007e+04 ± 10.75
10300
10200
10100
10000
9900
9800
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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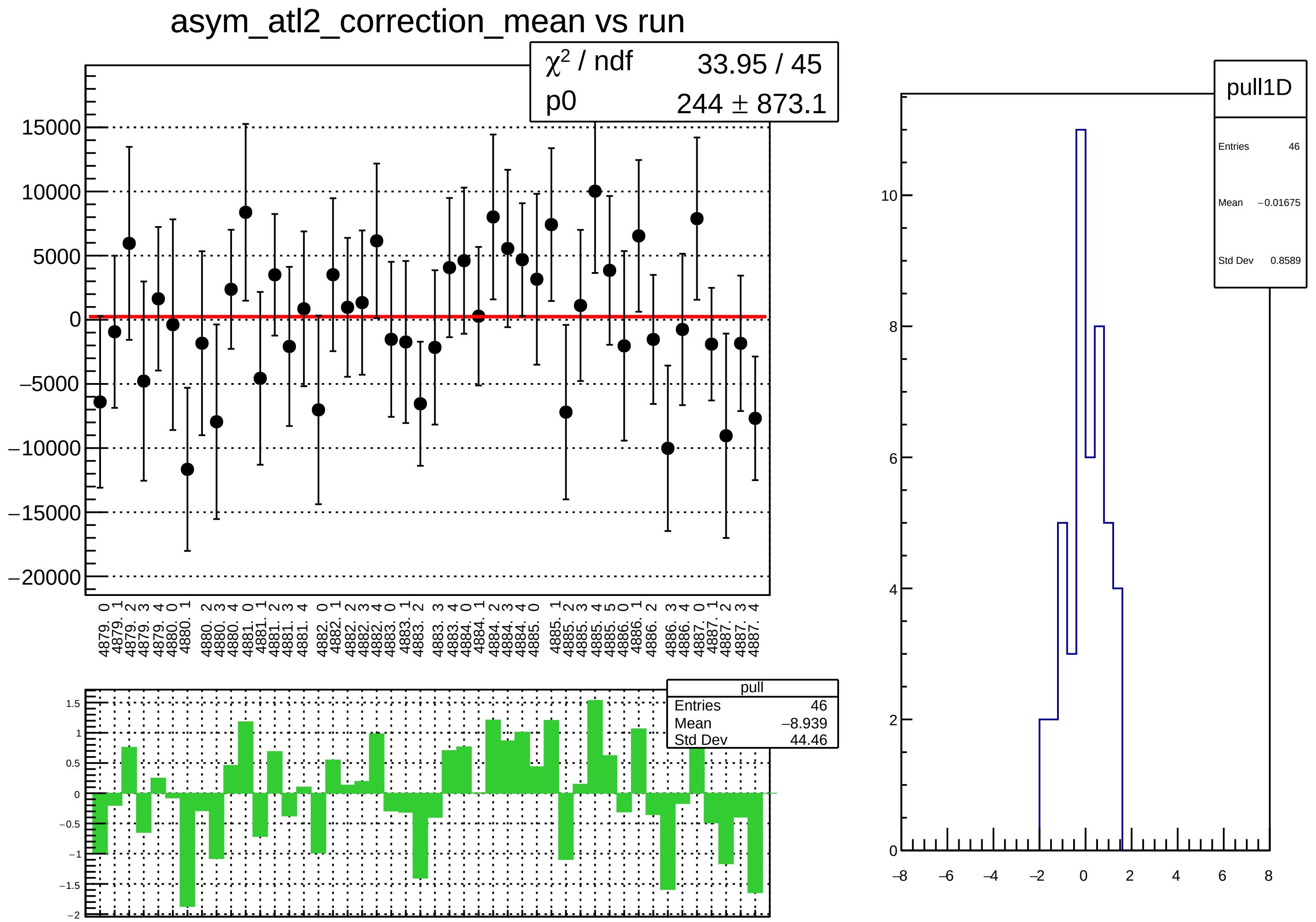
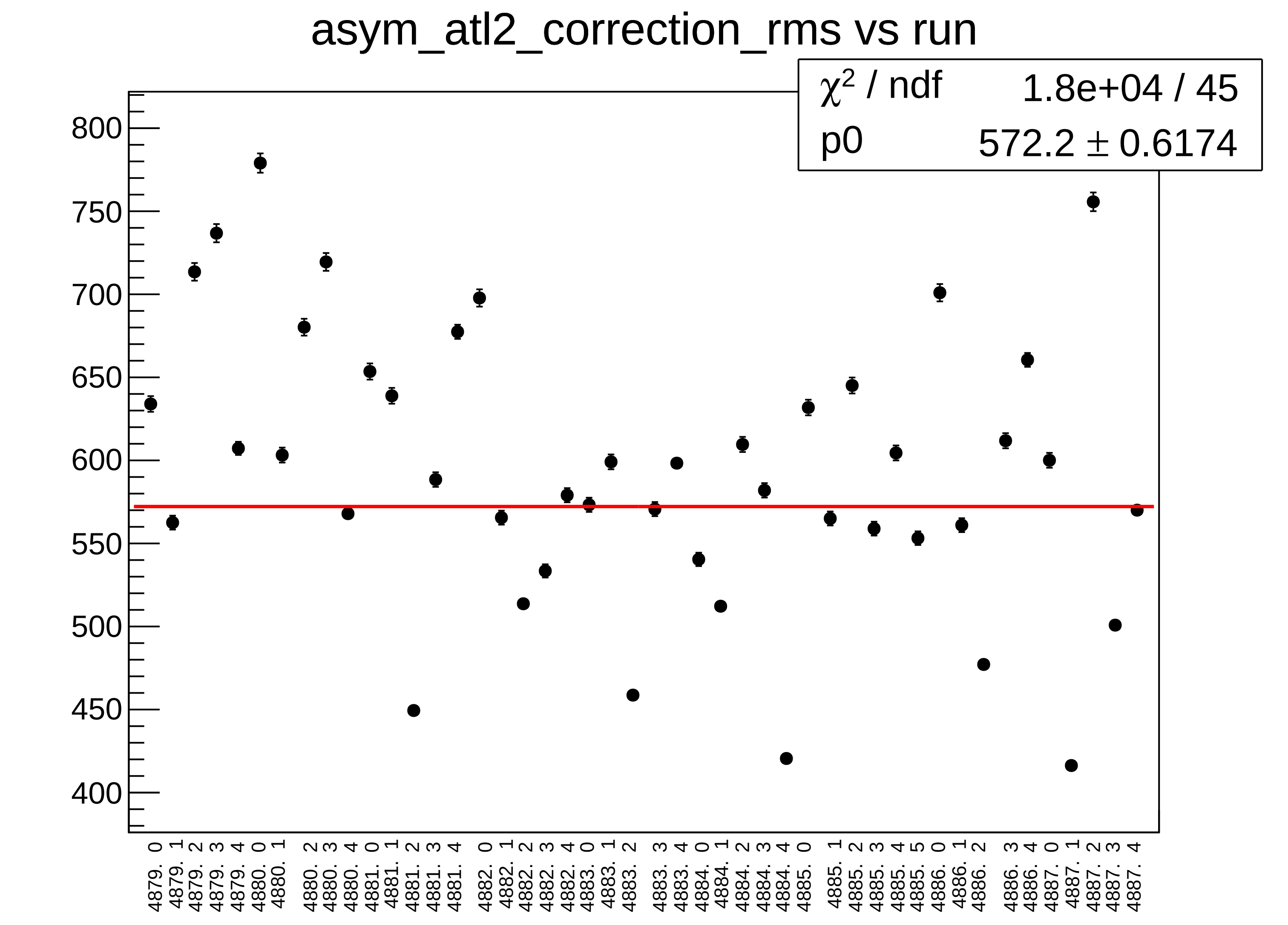
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_atl2_correction_mean vs run
χ^2 / ndf 33.95 / 45
p0 244 ± 873.1
pull
Entries 46
Mean −8.939
Std Dev 44.46
pull1D
Entries 46
Mean −0.01675
Std Dev 0.8589


asym_atl2_correction_rms vs run
χ2 / ndf 1.8e+04 / 45
p0 572.2 ± 0.6174
800
750
700
650
600
550
500
450
400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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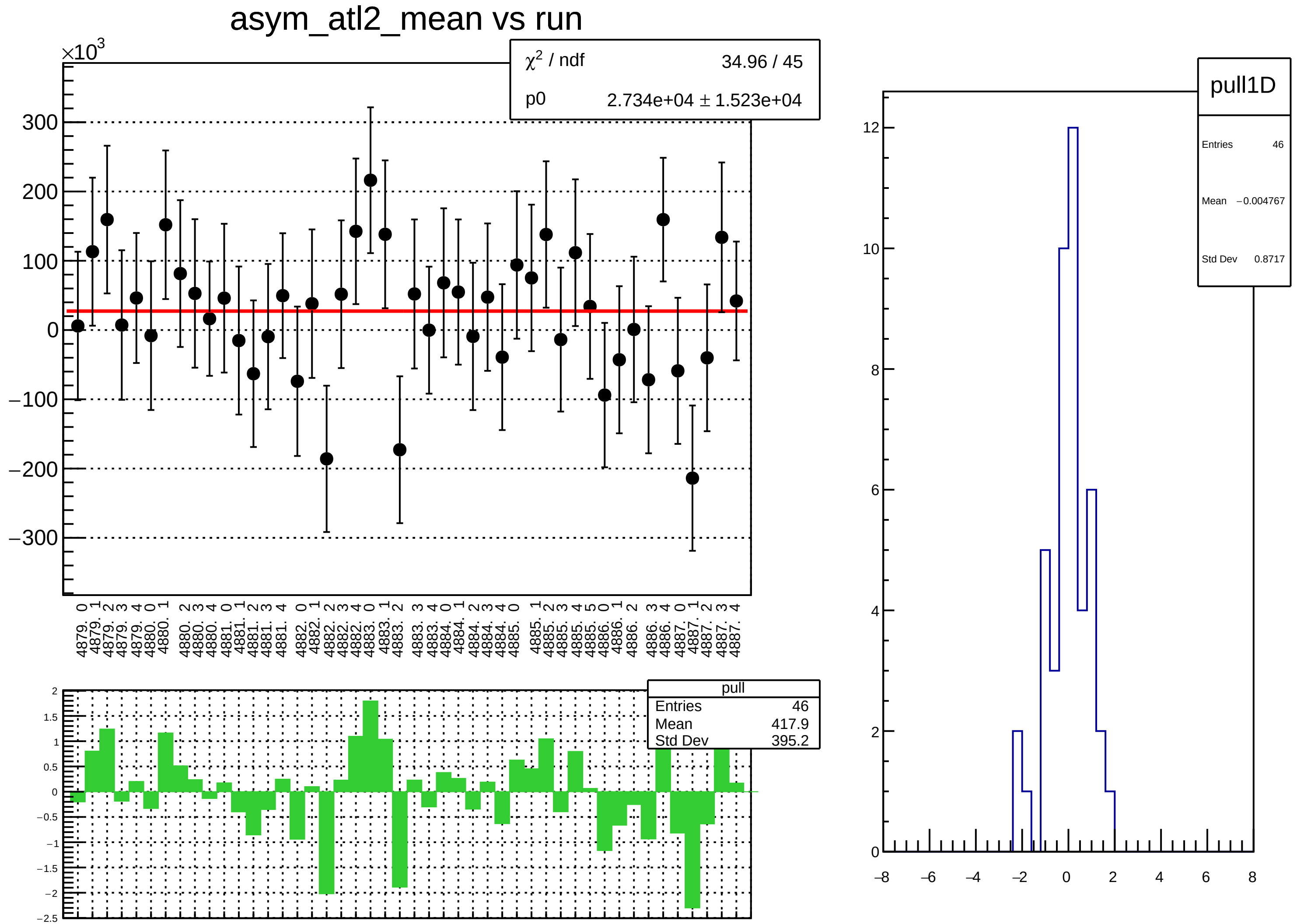
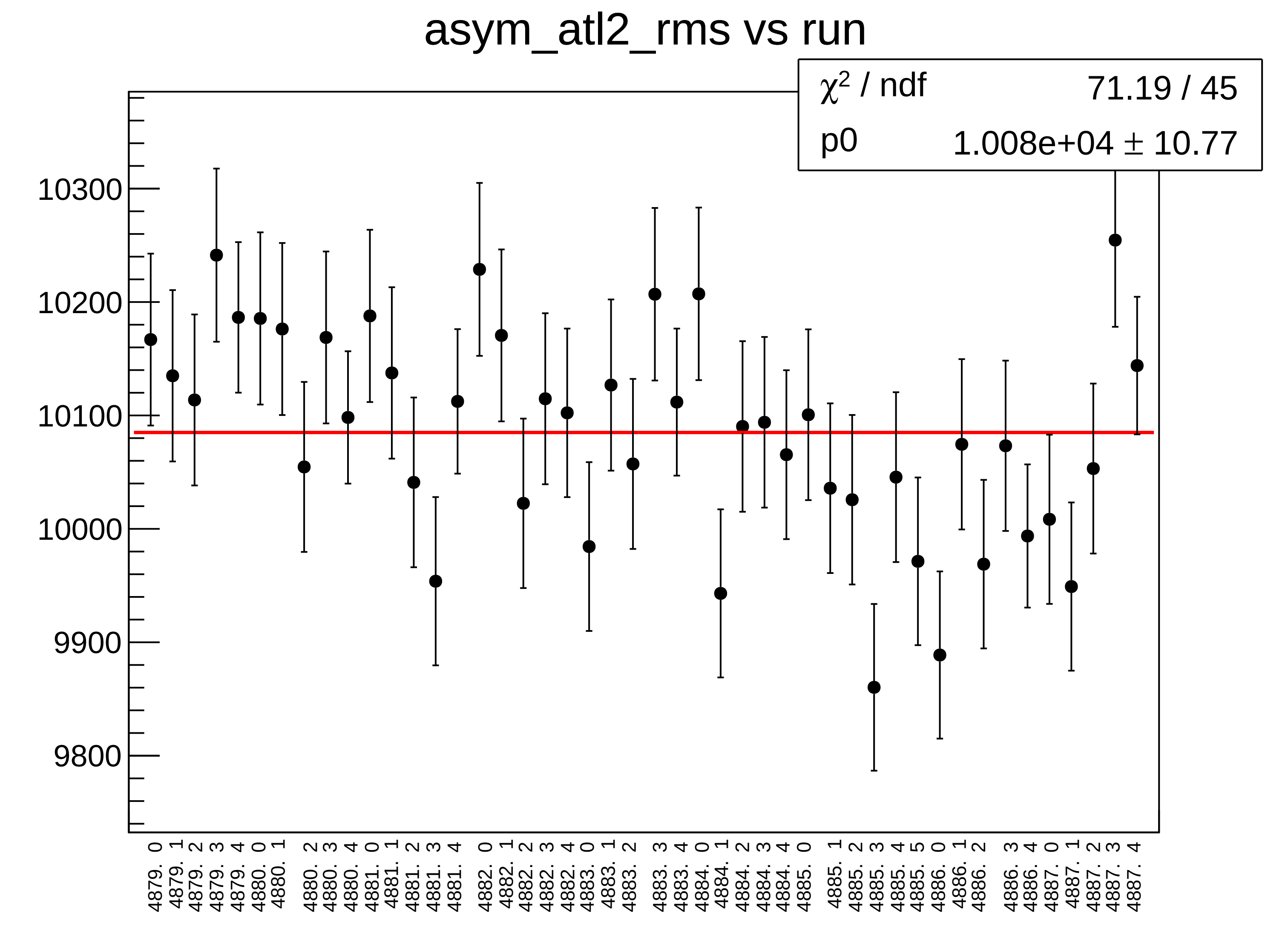
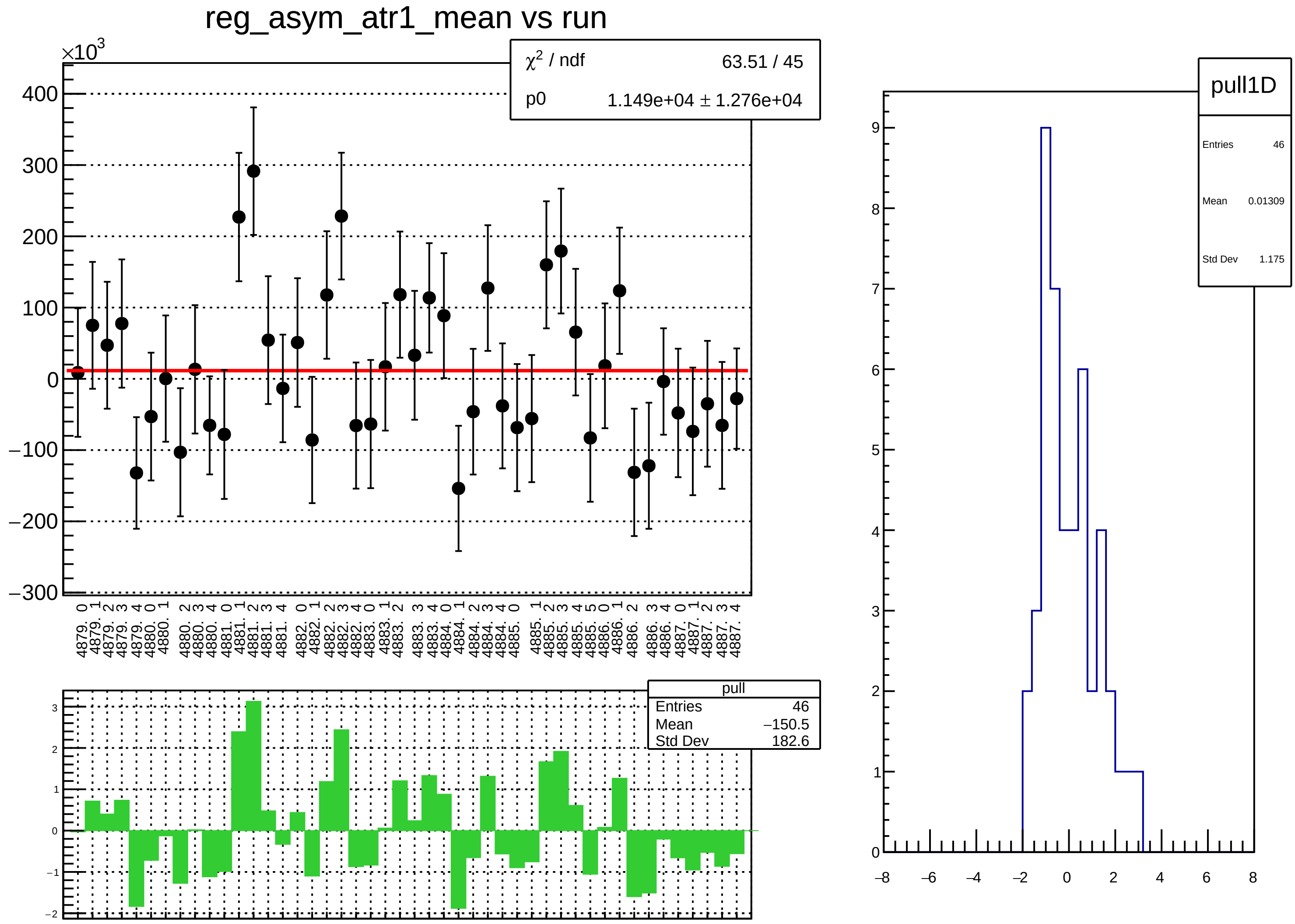
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

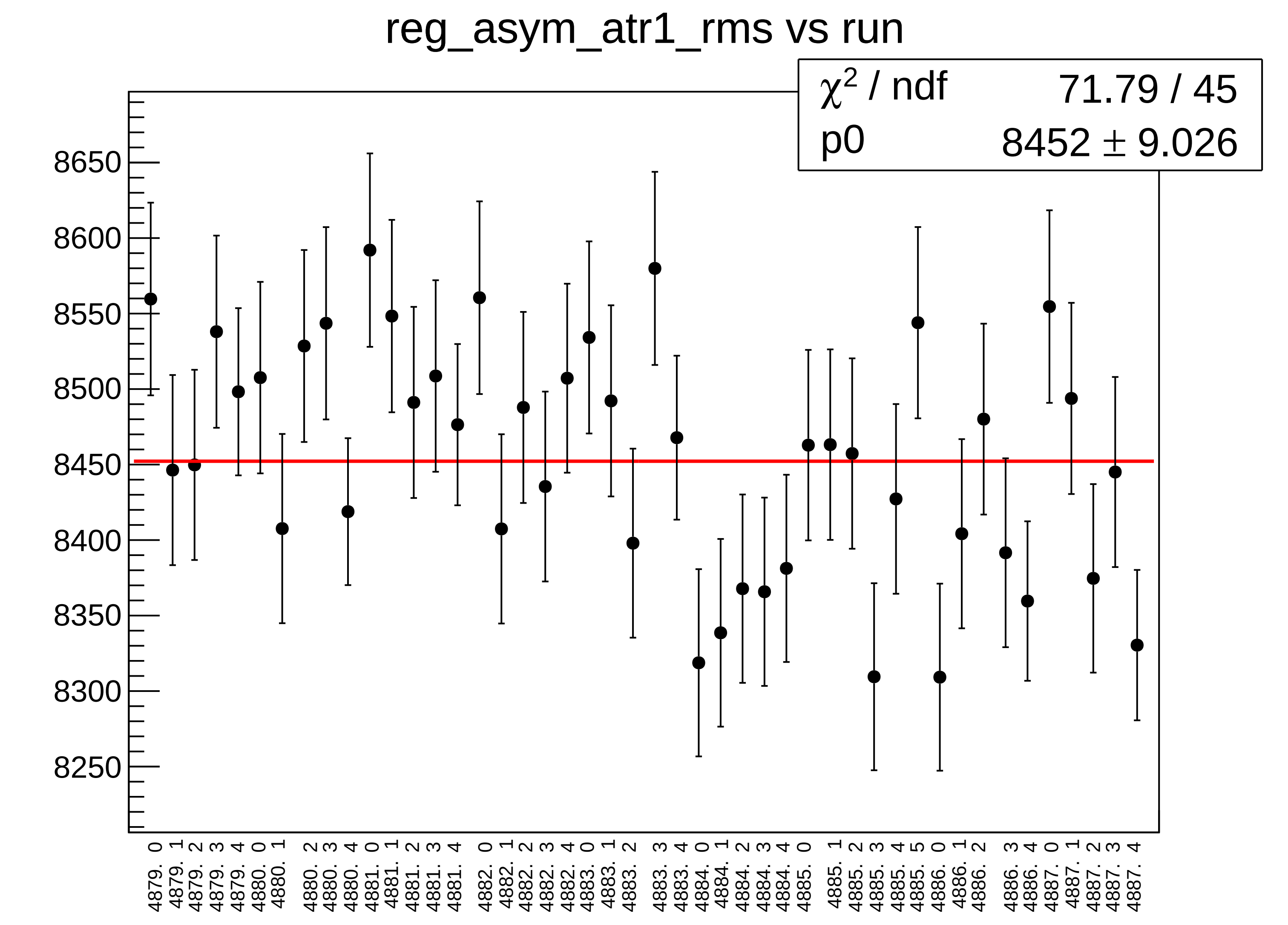


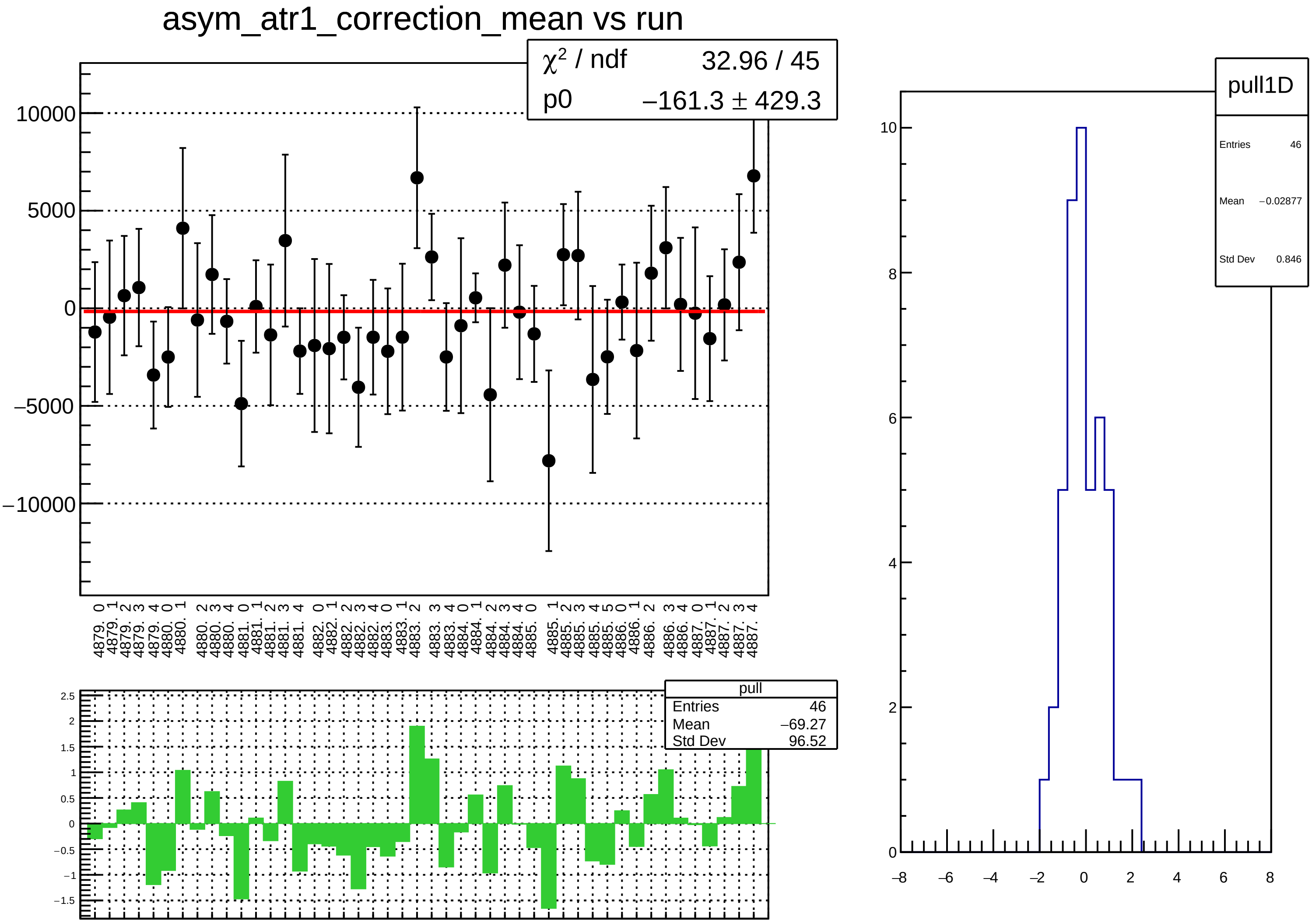
asym_atl2_mean vs run
×10^3
χ2 / ndf 34.96 / 45
p0 2.734e+04 ± 1.523e+04
pull
Entries 46
Mean 417.9
Std Dev 395.2
pull1D
Entries 46
Mean −0.004767
Std Dev 0.8717

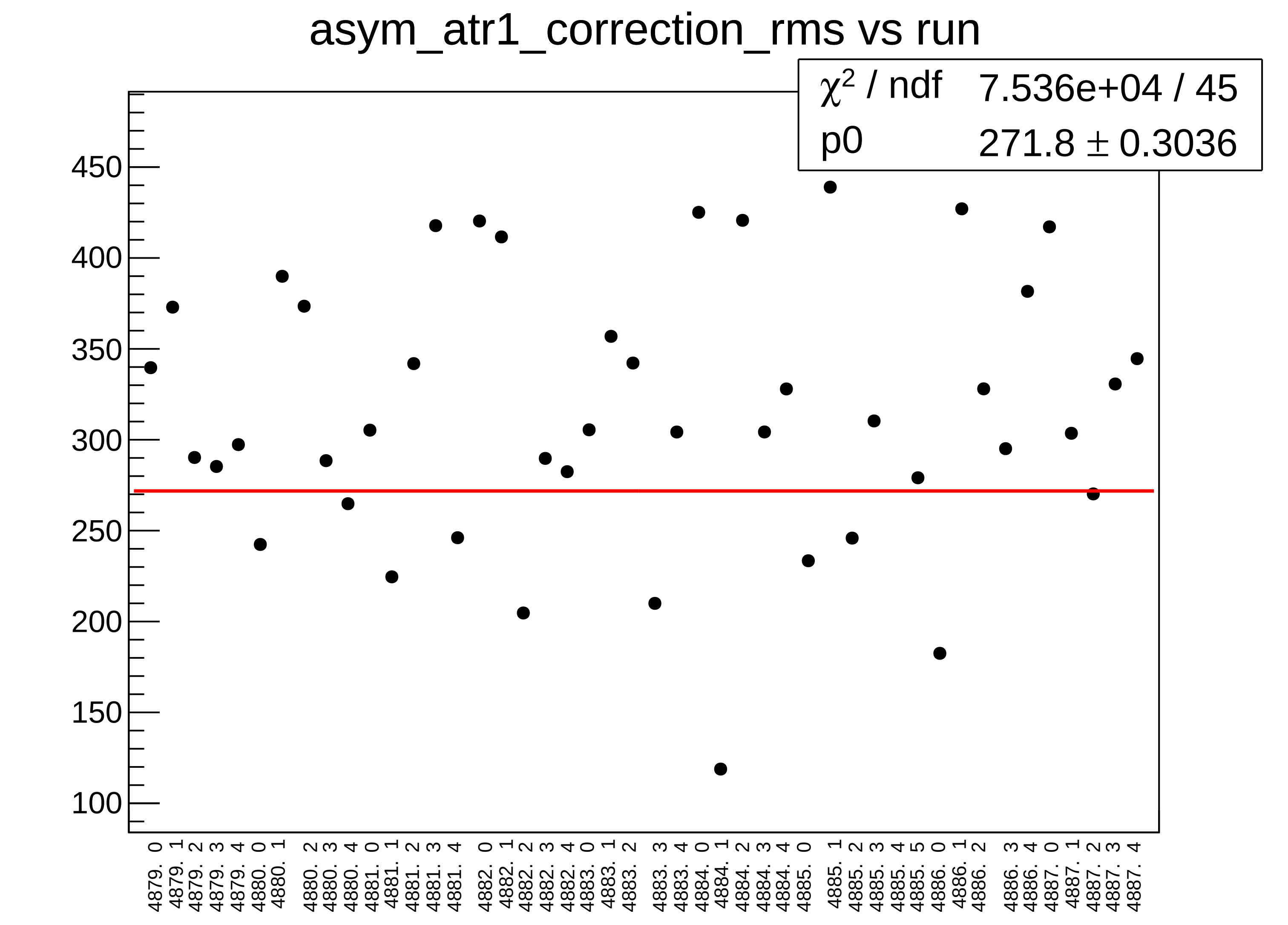

asym_atl2_rms vs run
χ2 / ndf 71.19 / 45
p0 1.008e+04 ± 10.77
10300
10200
10100
10000
9900
9800
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

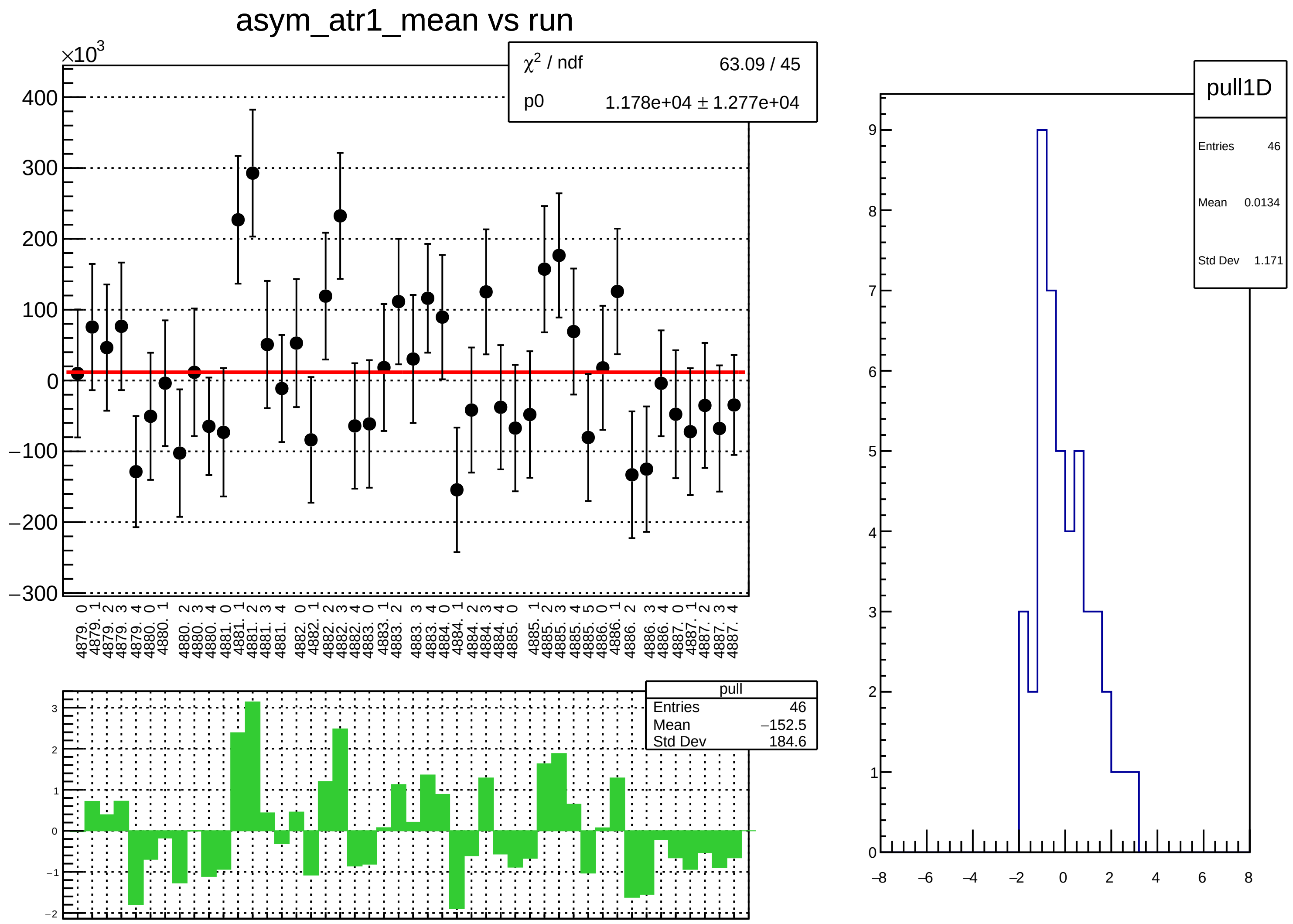


reg_asym_atr1_mean vs run
χ2 / ndf 63.51 / 45
p0 1.149e+04 ± 1.276e+04
×10^3
pull
Entries 46
Mean −150.5
Std Dev 182.6
pull1D
Entries 46
Mean 0.01309
Std Dev 1.175

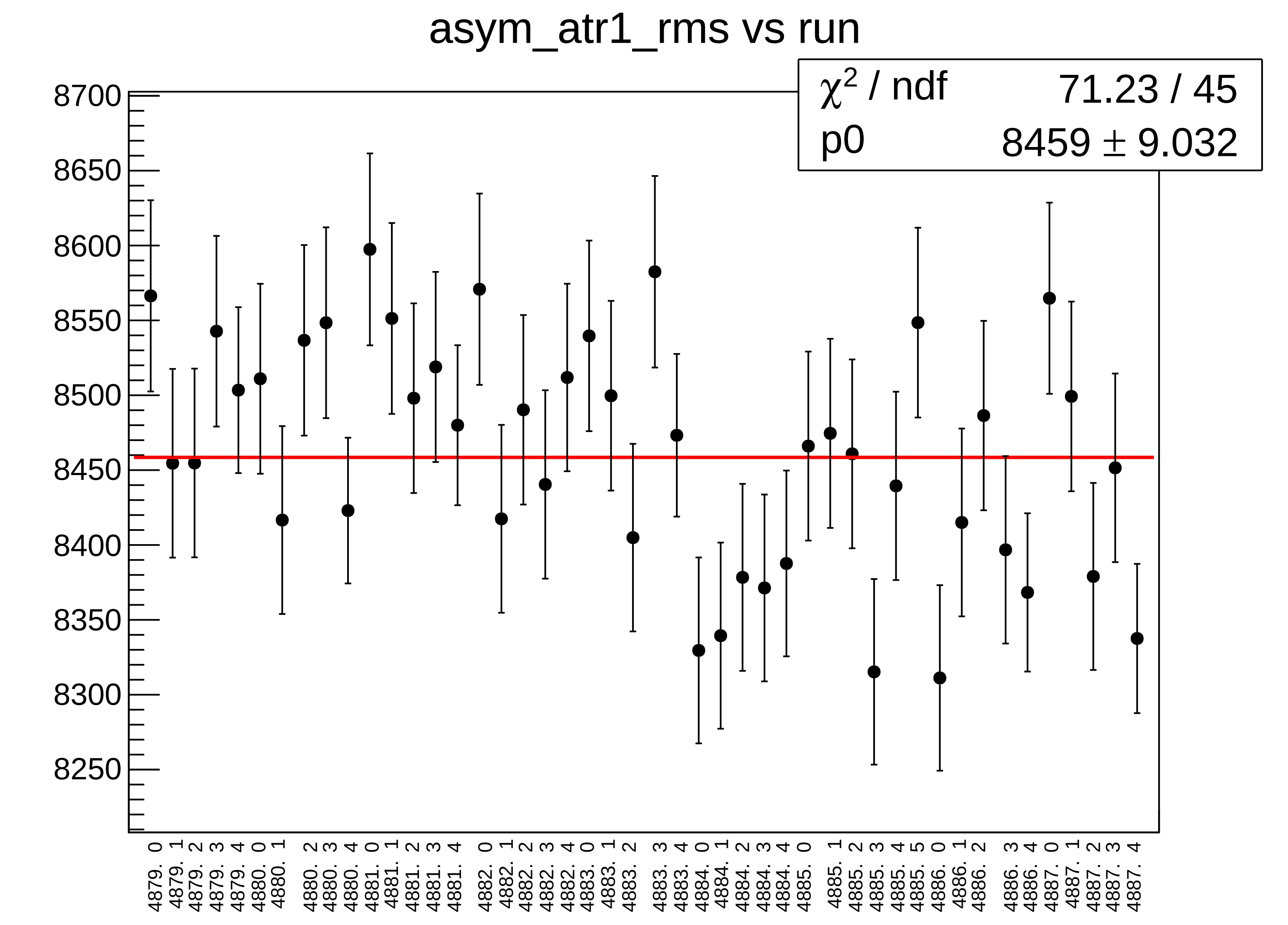

reg_asym_atr1_rms vs run
χ^2 / ndf 71.79 / 45
p0 8452 ± 9.026
8650
8600
8550
8500
8450
8400
8350
8300
8250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

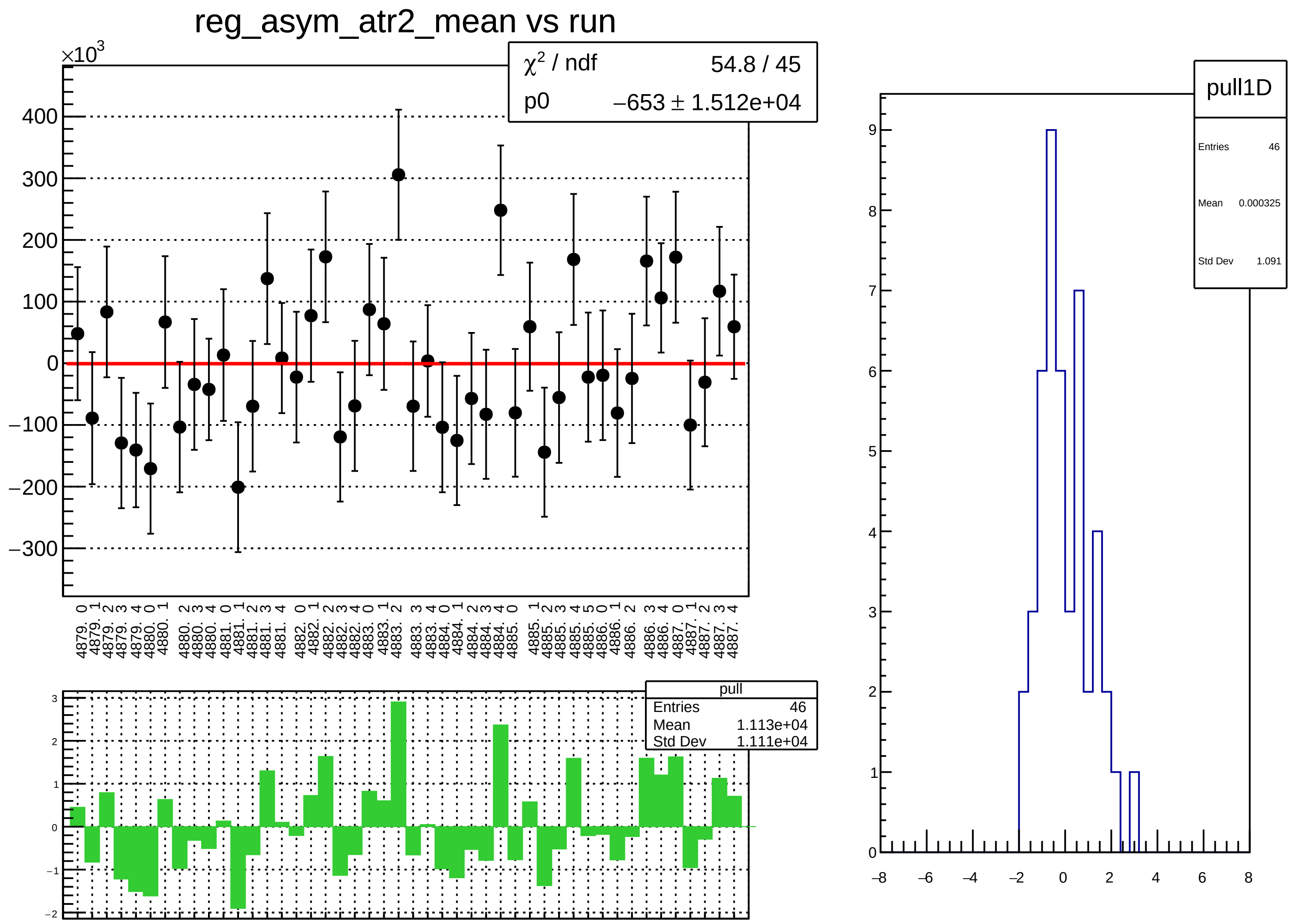

asym_atr1_correction_mean vs run
χ^2 / ndf 32.96 / 45
p0 −161.3 ± 429.3
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −69.27
Std Dev 96.52
pull1D
Entries 46
Mean −0.02877
Std Dev 0.846

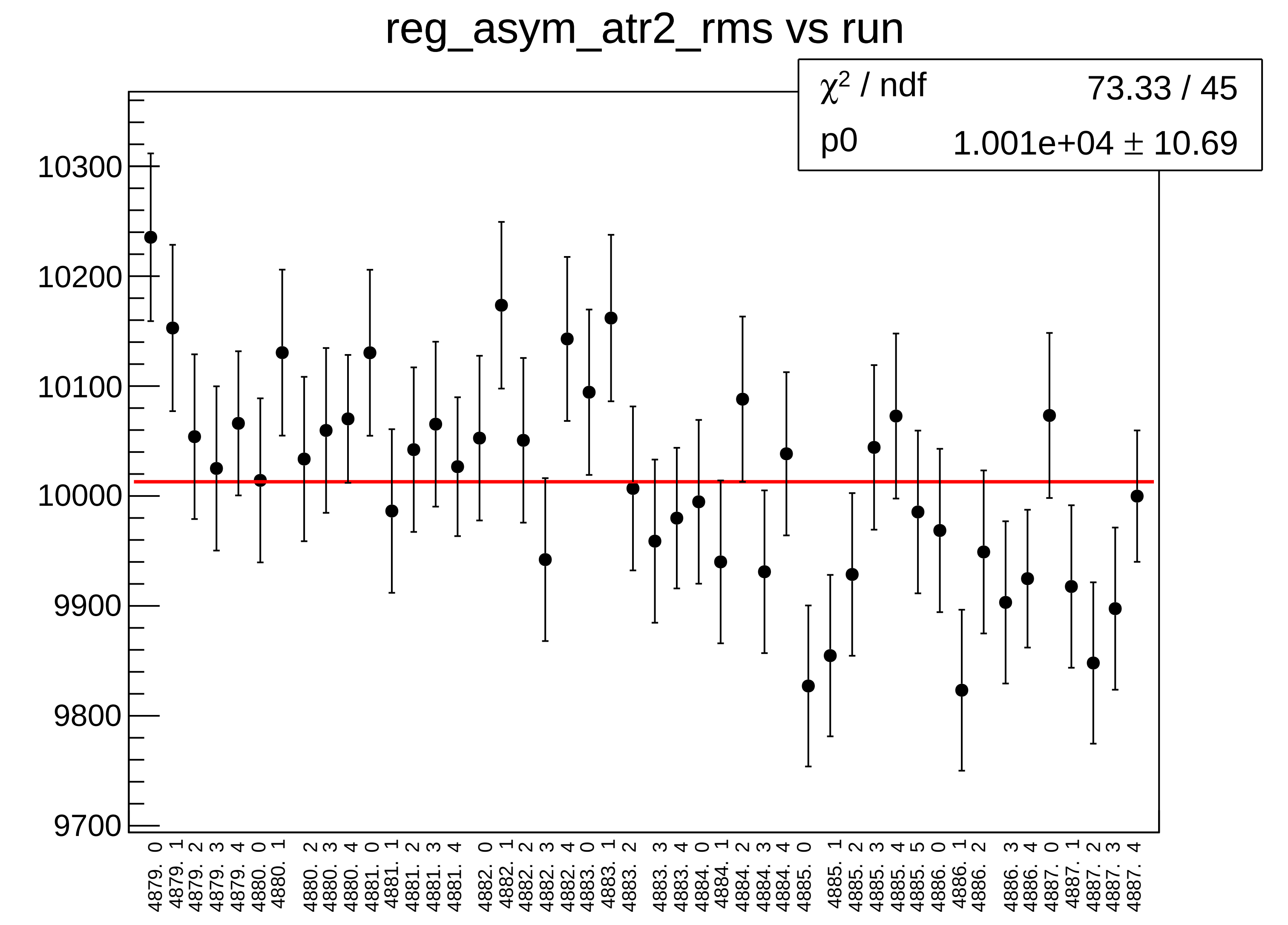

asym_atr1_correction_rms vs run
χ2 / ndf 7.536e+04 / 45
p0 271.8 ± 0.3036
450
400
350
300
250
200
150
100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_atr1_mean vs run
×10^3
χ2 / ndf 63.09 / 45
p0 1.178e+04 ± 1.277e+04
pull
Entries 46
Mean −152.5
Std Dev 184.6
pull1D
Entries 46
Mean 0.0134
Std Dev 1.171


asym_atr1_rms vs run
χ^2 / ndf 71.23 / 45
p0 8459 ± 9.032
8700
8650
8600
8550
8500
8450
8400
8350
8300
8250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_atr2_mean vs run
$\times10^3$
χ^2 / ndf 54.8 / 45
p0 −653 ± 1.512e+04
pull
Entries 46
Mean 1.113e+04
Std Dev 1.111e+04
pull1D
Entries 46
Mean 0.000325
Std Dev 1.091



reg_asym_atr2_rms vs run
χ^2 / ndf 73.33 / 45
p0 1.001e+04 ± 10.69
10300
10200
10100
10000
9900
9800
9700
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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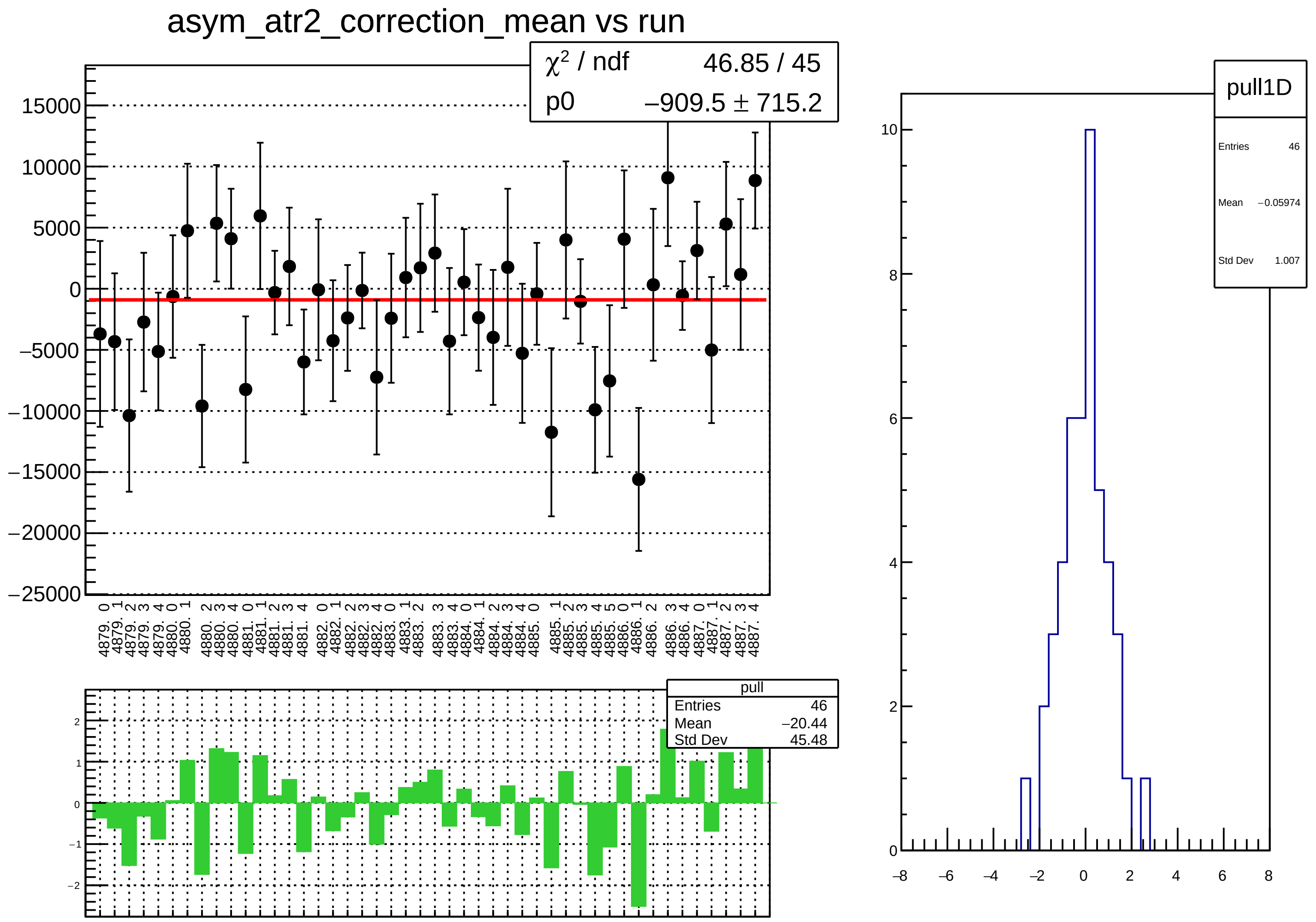
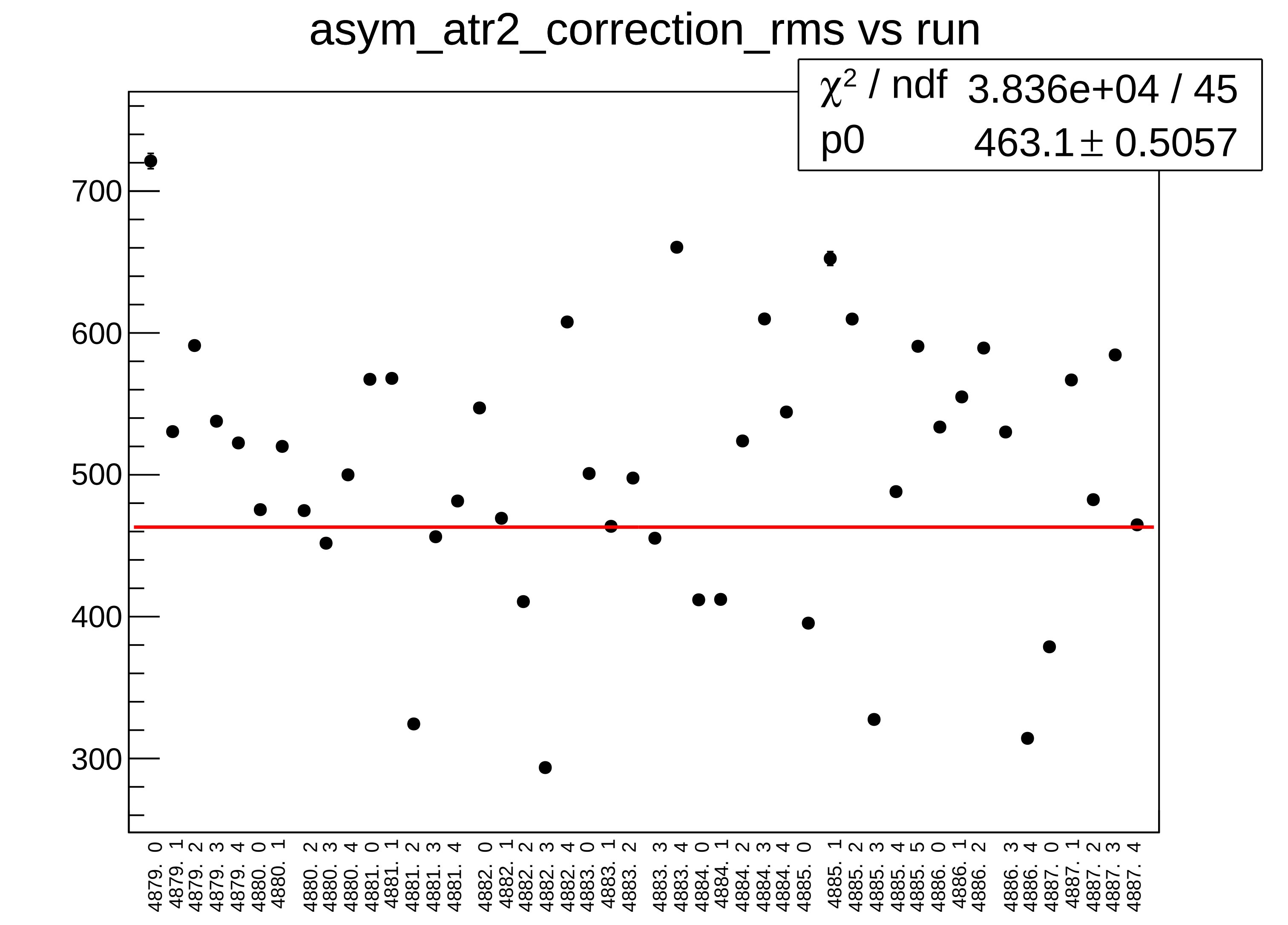
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_atr2_correction_mean vs run
χ^2 / ndf 46.85 / 45
p0 −909.5 ± 715.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −20.44
Std Dev 45.48
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.05974
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



asym_atr2_correction_rms vs run
χ^2 / ndf 3.836e+04 / 45
p0 463.1 ± 0.5057
700
600
500
400
300
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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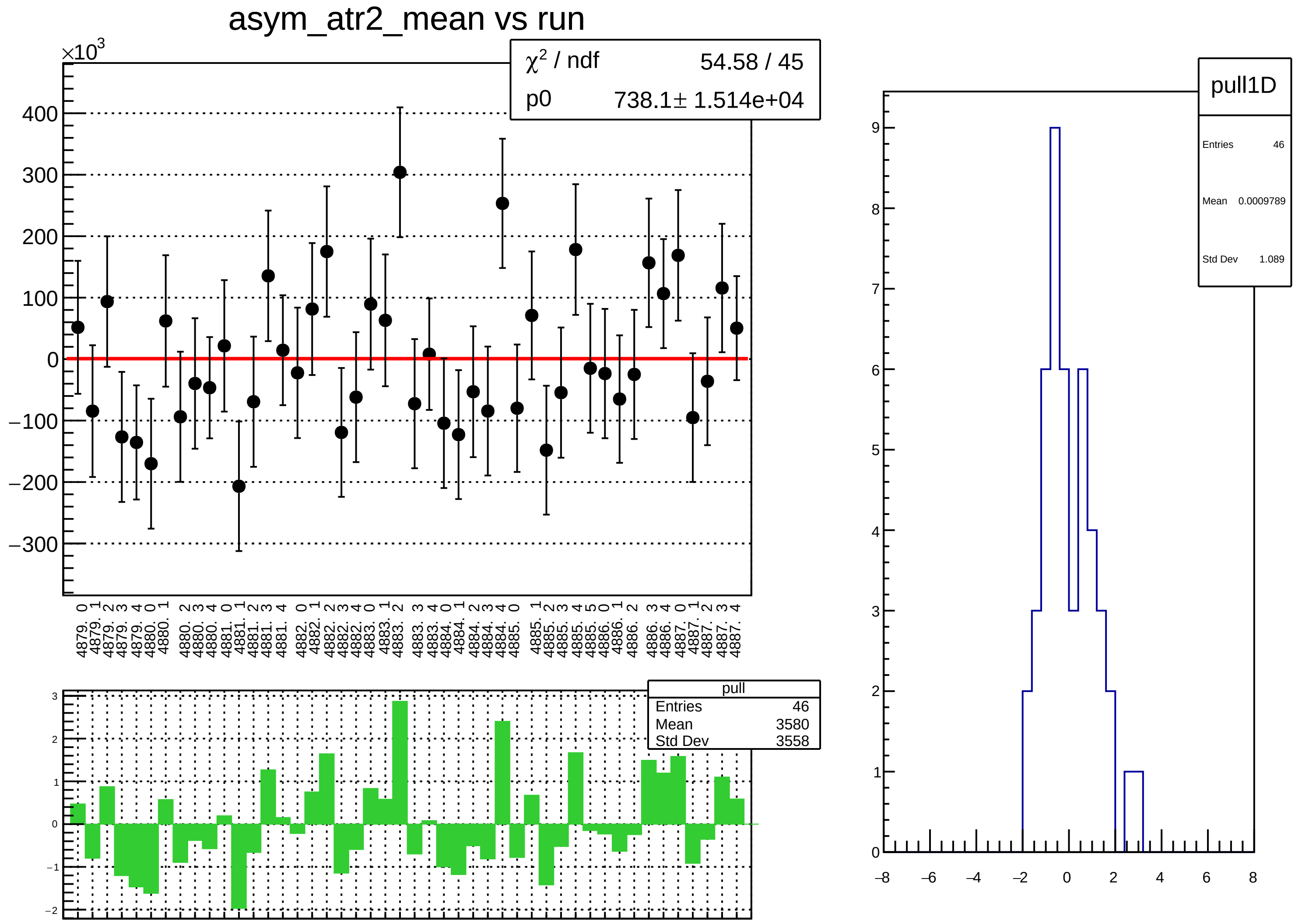
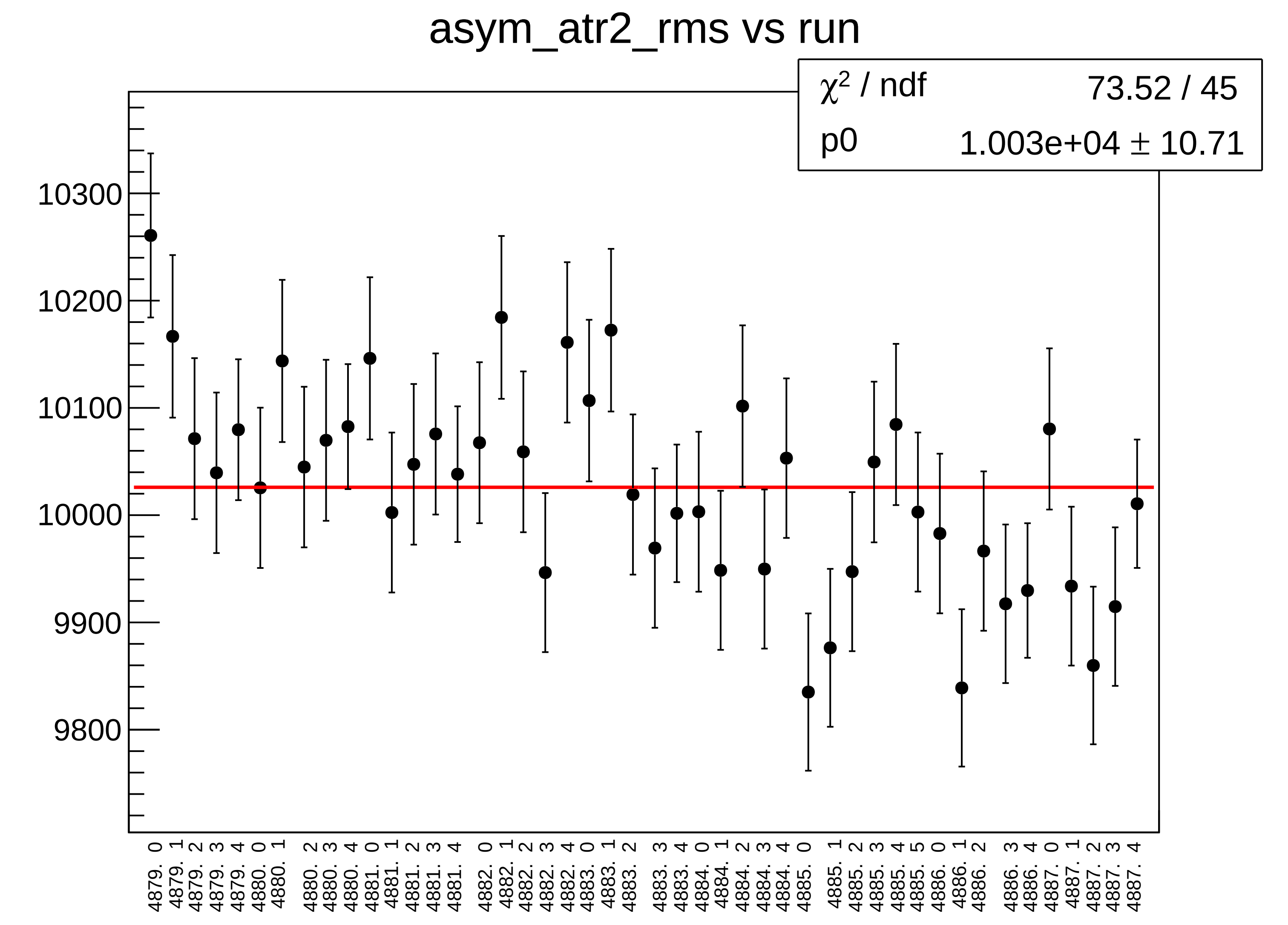
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_atr2_mean vs run
×10^3
χ^2 / ndf 54.58 / 45
p0 738.1± 1.514e+04
pull
Entries 46
Mean 3580
Std Dev 3558
pull1D
Entries 46
Mean 0.0009789
Std Dev 1.089



asym_atr2_rms vs run
χ² / ndf 73.52 / 45
p0 1.003e+04 ± 10.71
10300
10200
10100
10000
9900
9800
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
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4883. 0
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4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
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4885. 4
4885. 5
4886. 0
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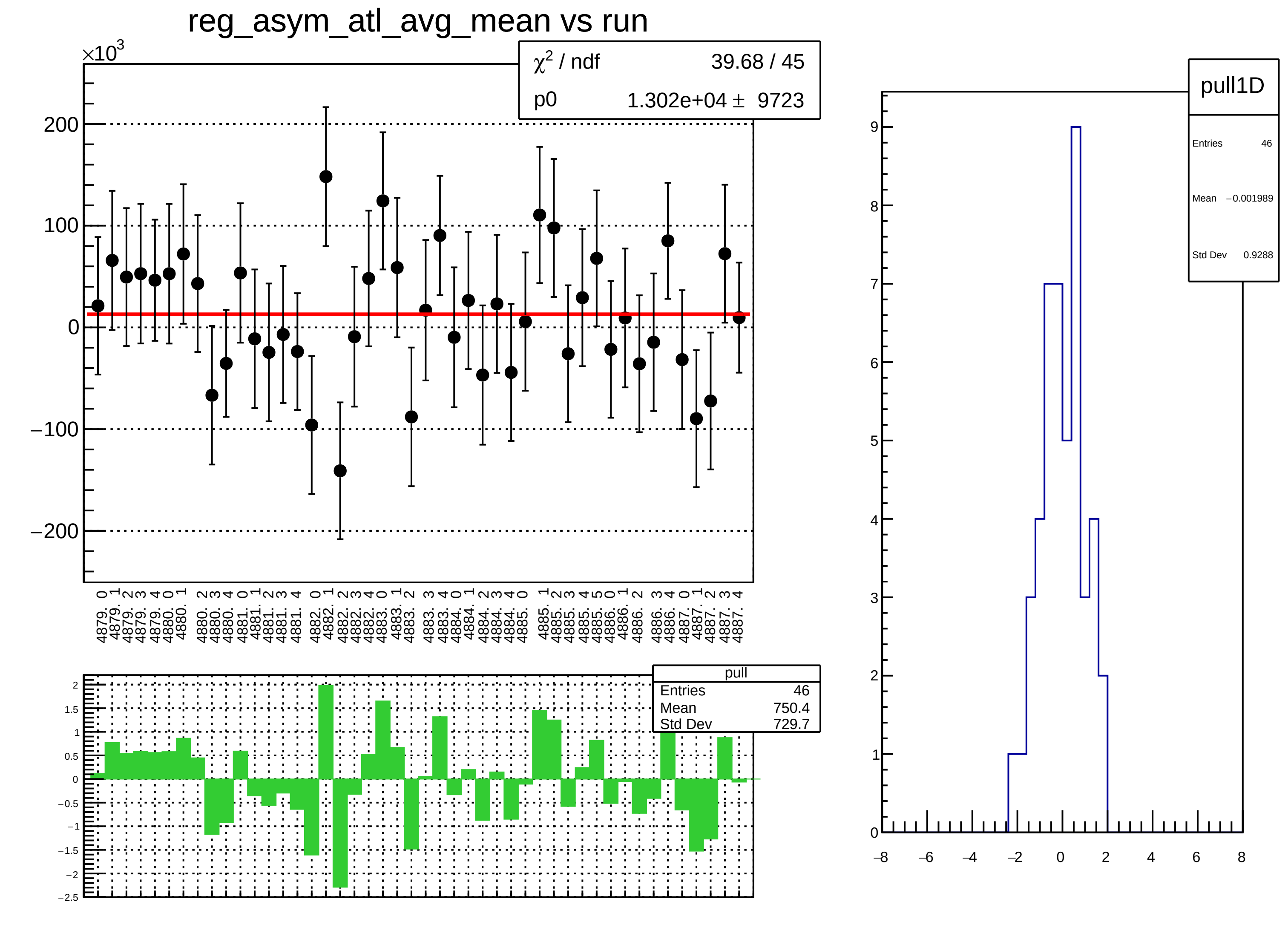
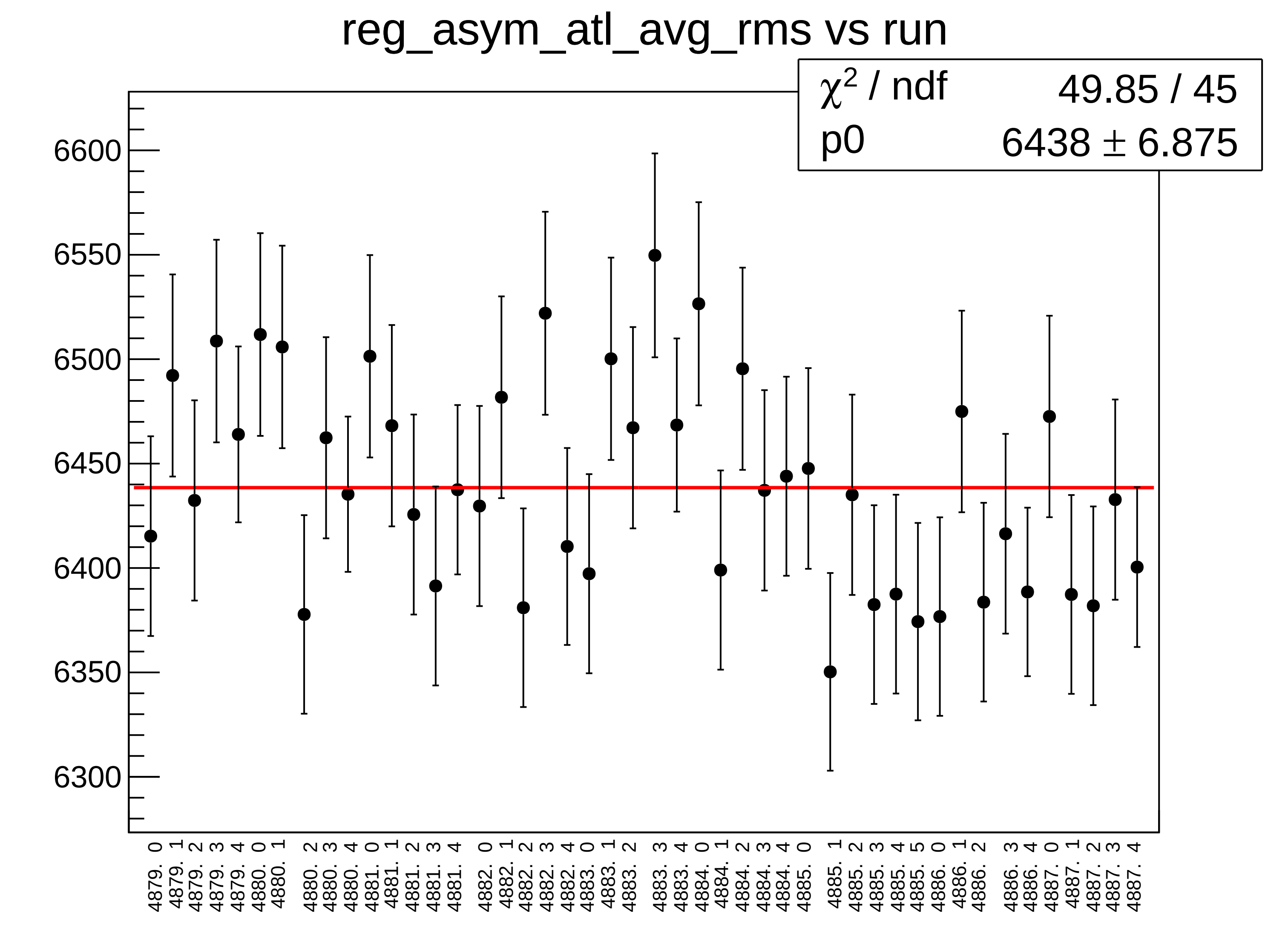
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_atl_avg_mean vs run
$\times 10^3$
χ^2 / ndf 39.68 / 45
p0 1.302e+04 ± 9723
pull
Entries 46
Mean 750.4
Std Dev 729.7
pull1D
Entries 46
Mean −0.001989
Std Dev 0.9288



reg_asym_atl_avg_rms vs run
χ^2 / ndf 49.85 / 45
p0 6438 ± 6.875
6600
6550
6500
6450
6400
6350
6300
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
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4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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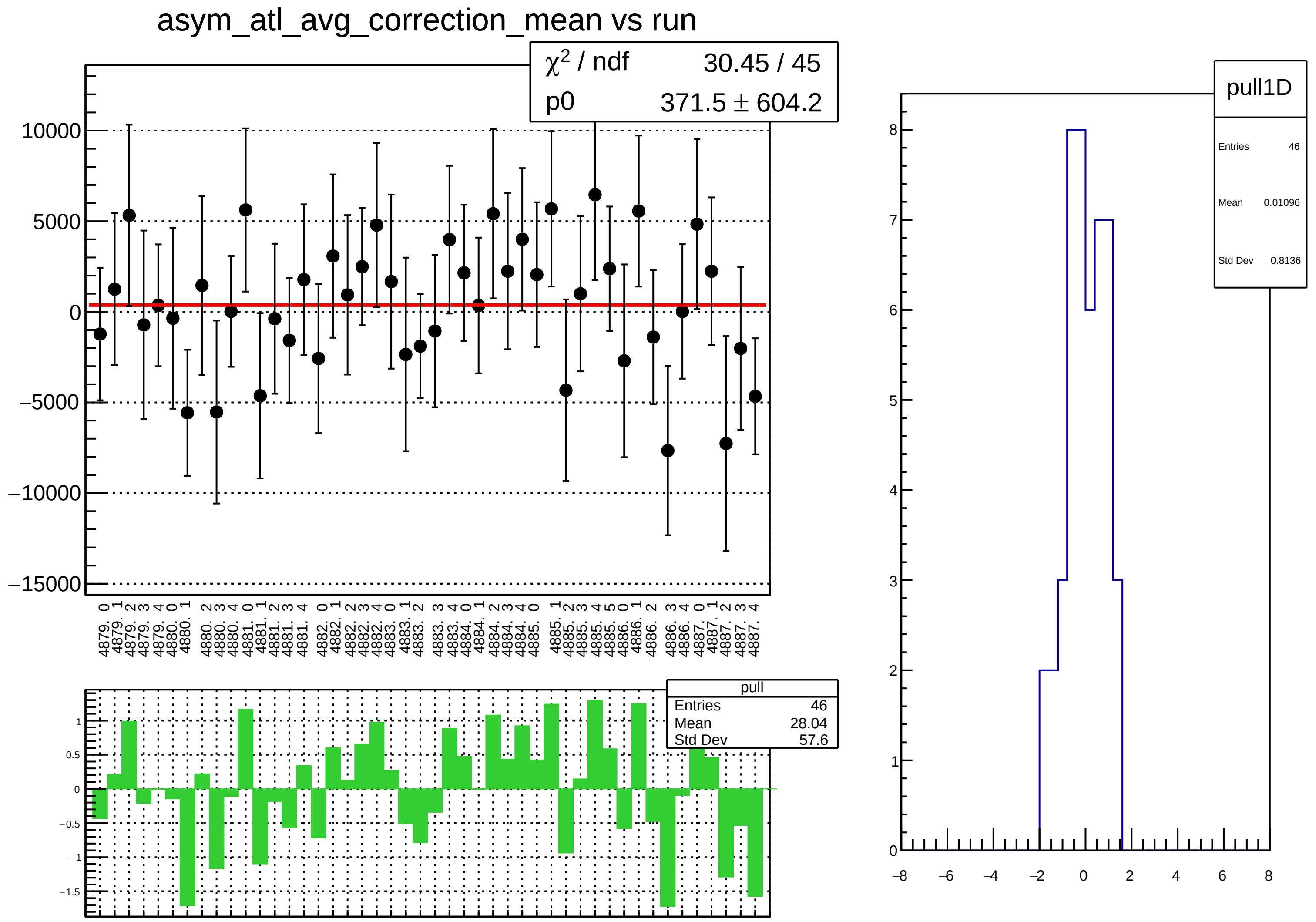
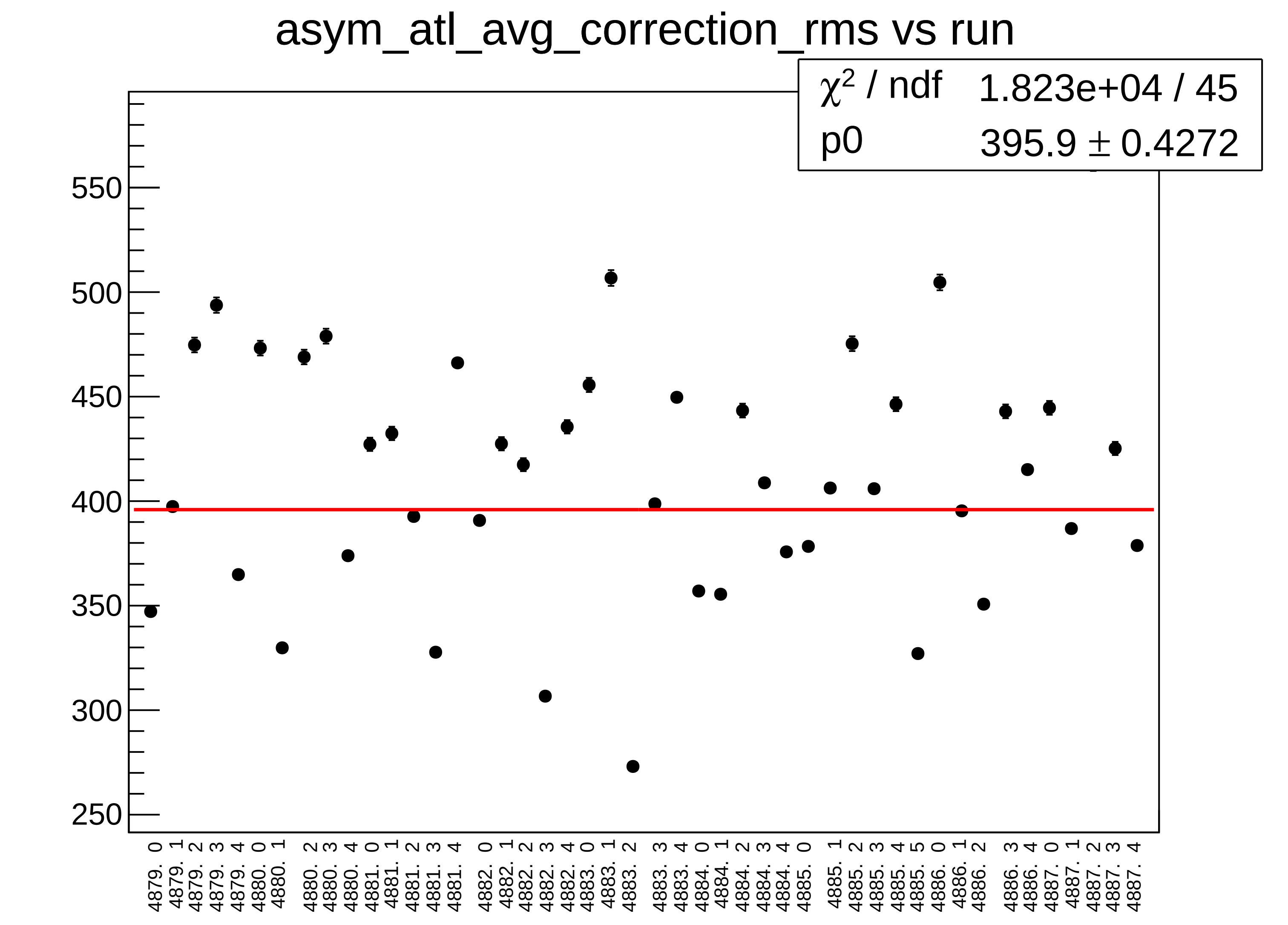
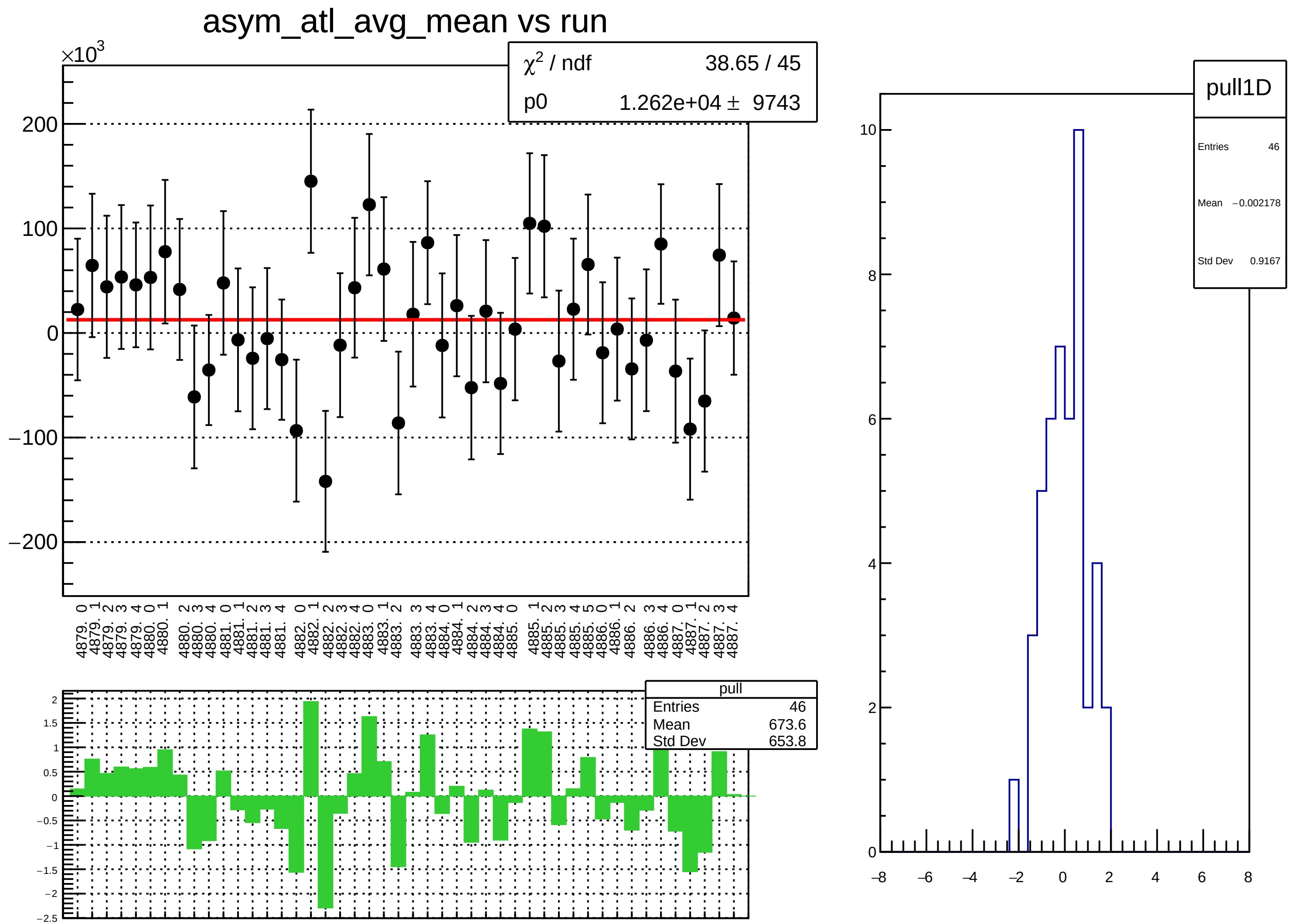
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

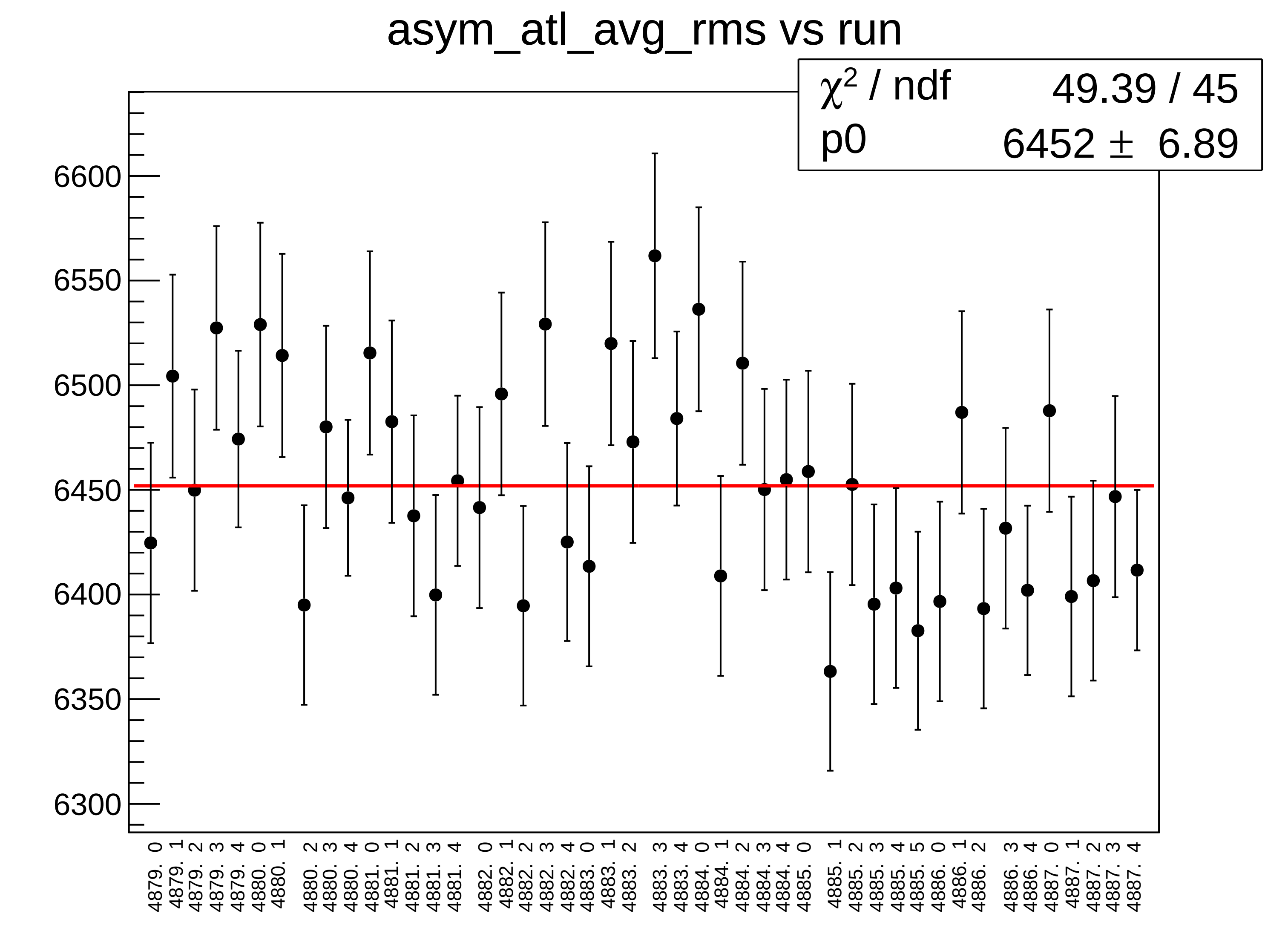


asym_atl_avg_correction_mean vs run
χ^2 / ndf 30.45 / 45
p0 371.5 ± 604.2
pull
Entries 46
Mean 28.04
Std Dev 57.6
pull1D
Entries 46
Mean 0.01096
Std Dev 0.8136

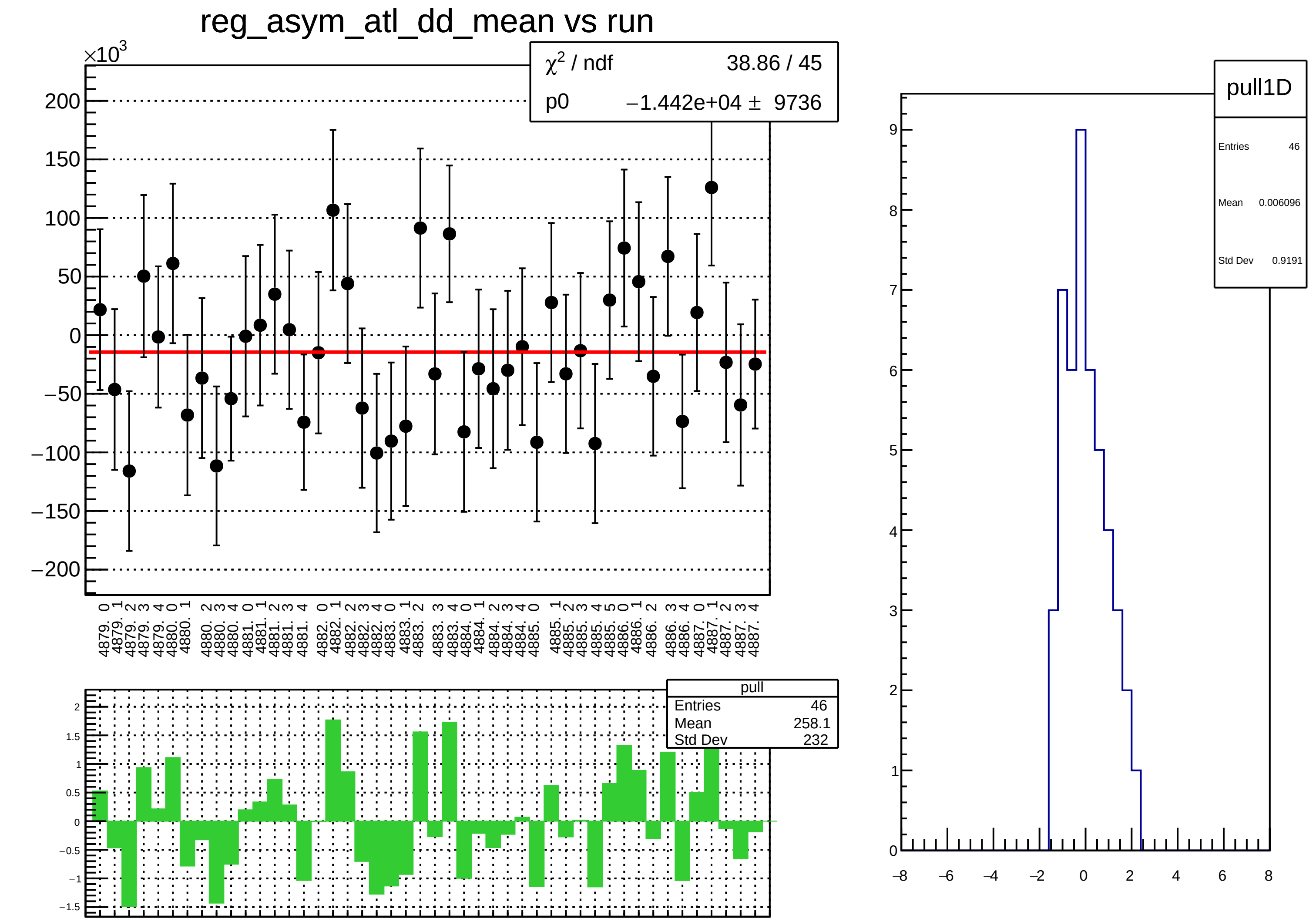


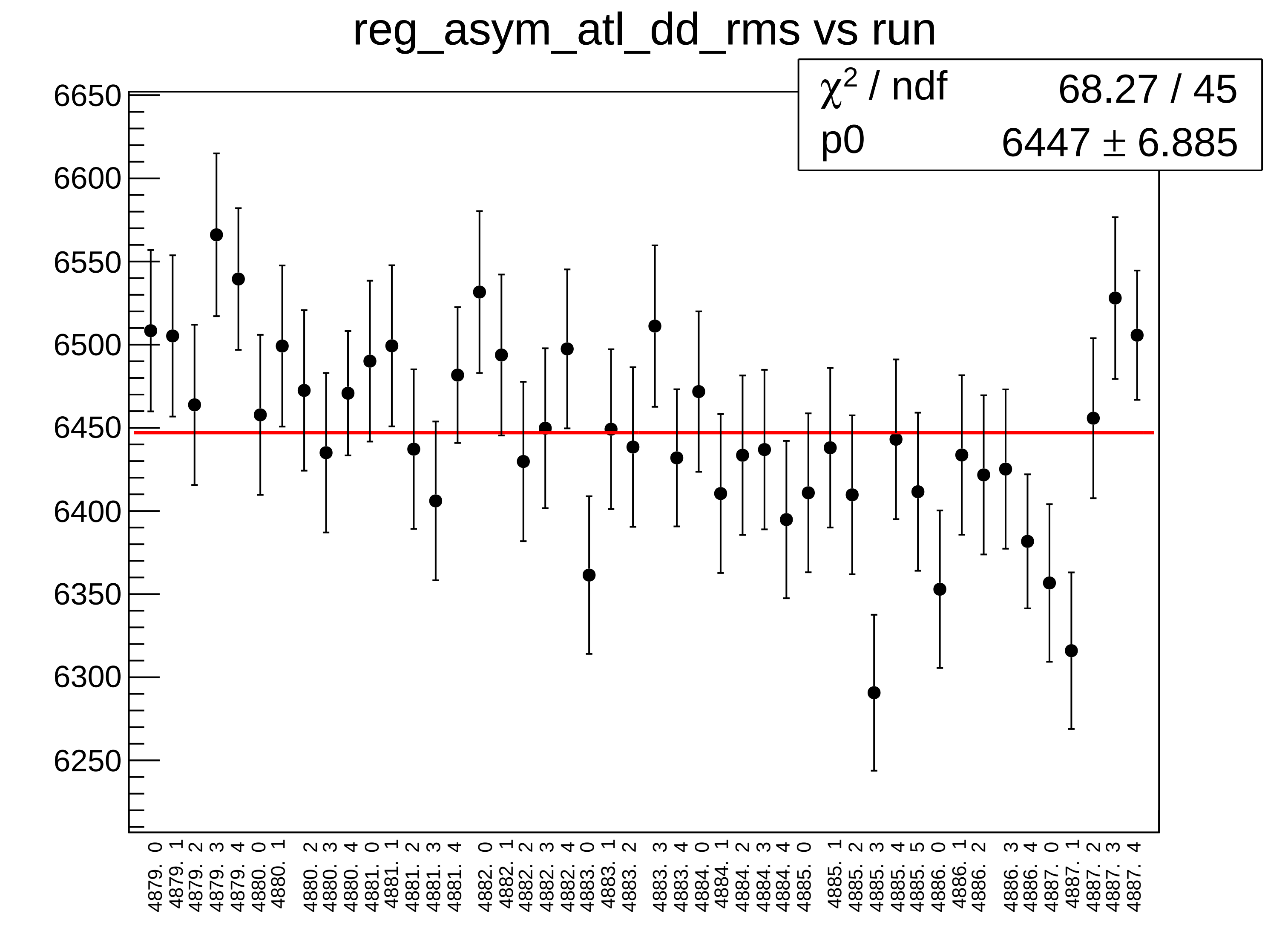
asym_atl_avg_correction_rms vs run
χ2 / ndf 1.823e+04 / 45
p0 395.9 ± 0.4272
550
500
450
400
350
300
250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

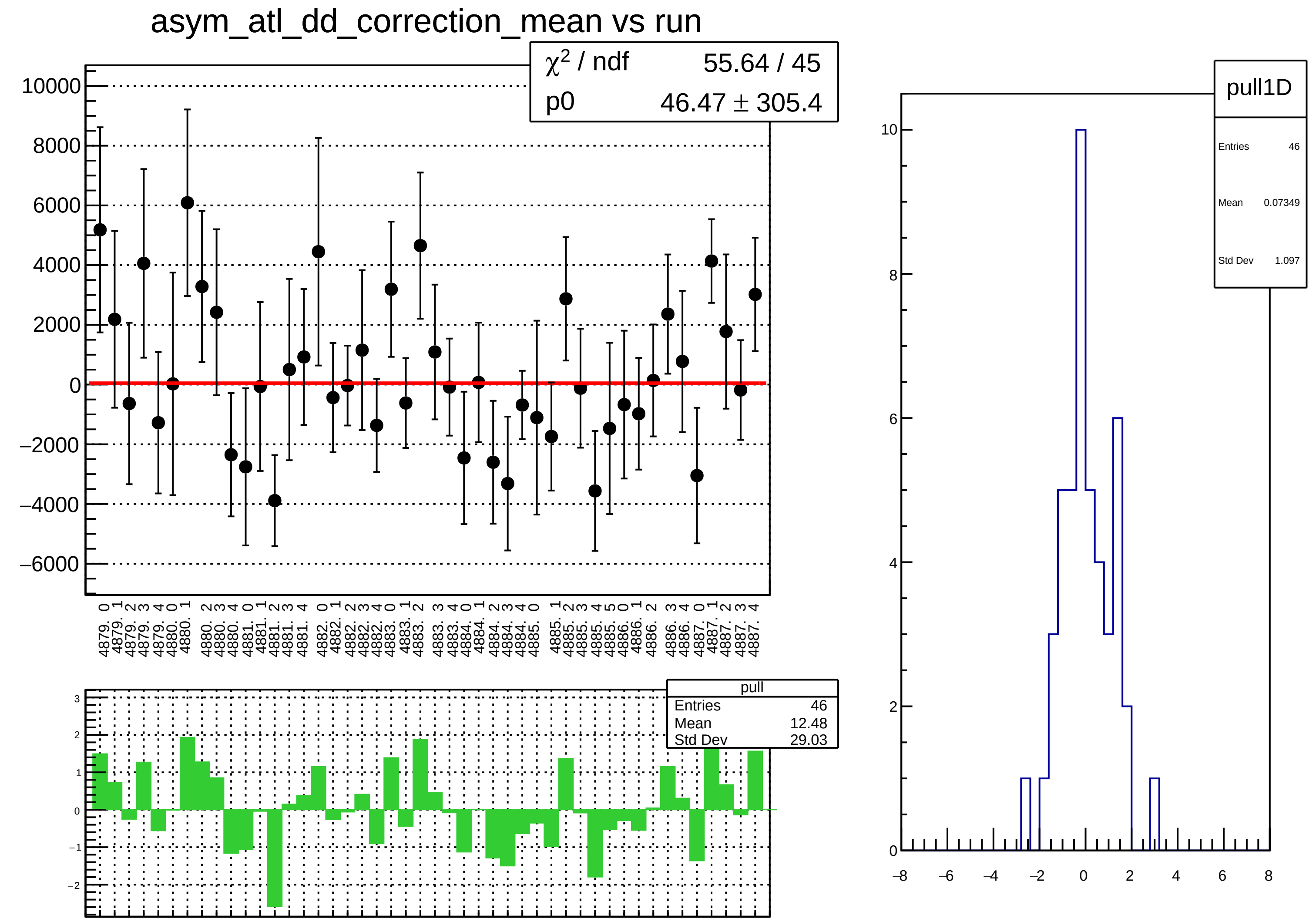

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 38.65 / 45
p0 1.262e+04 ± 9743
200
100
0
−100
−200
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 673.6
Std Dev 653.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 46
Mean −0.002178
Std Dev 0.9167
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

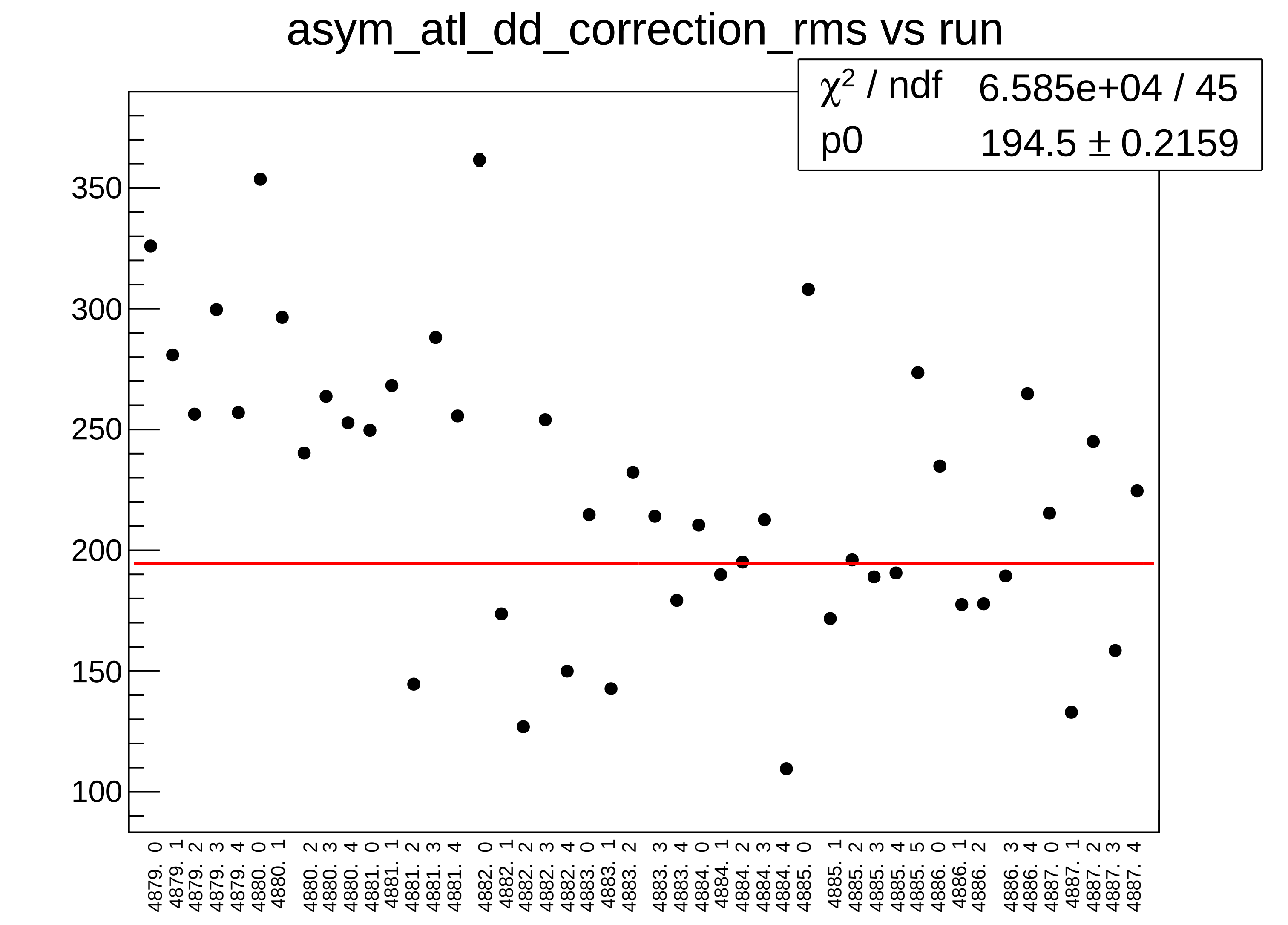


asym_atl_avg_rms vs run
χ2 / ndf 49.39 / 45
p0 6452 ± 6.89
6600
6550
6500
6450
6400
6350
6300


reg_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 38.86 / 45
p0 −1.442e+04 ± 9736
pull
Entries 46
Mean 258.1
Std Dev 232
pull1D
Entries 46
Mean 0.006096
Std Dev 0.9191

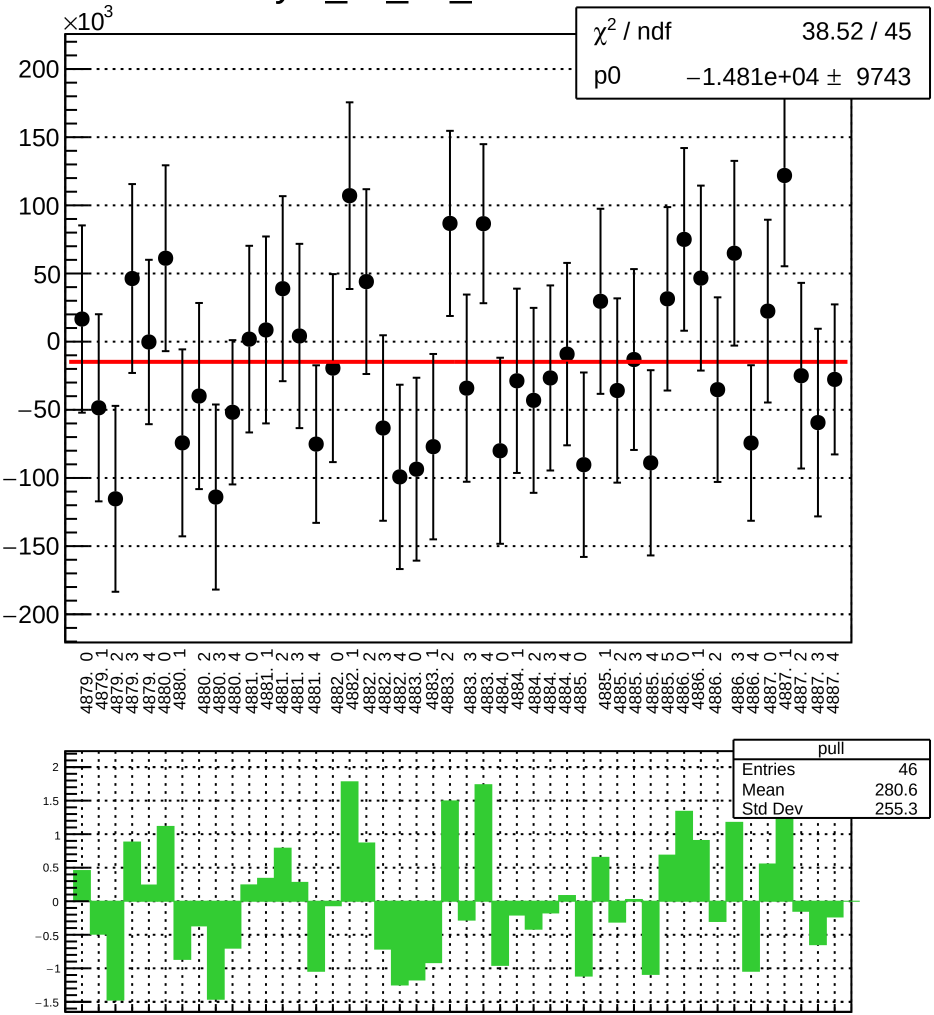

reg_asym_atl_dd_rms vs run
χ2 / ndf 68.27 / 45
p0 6447 ± 6.885
6650
6600
6550
6500
6450
6400
6350
6300
6250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

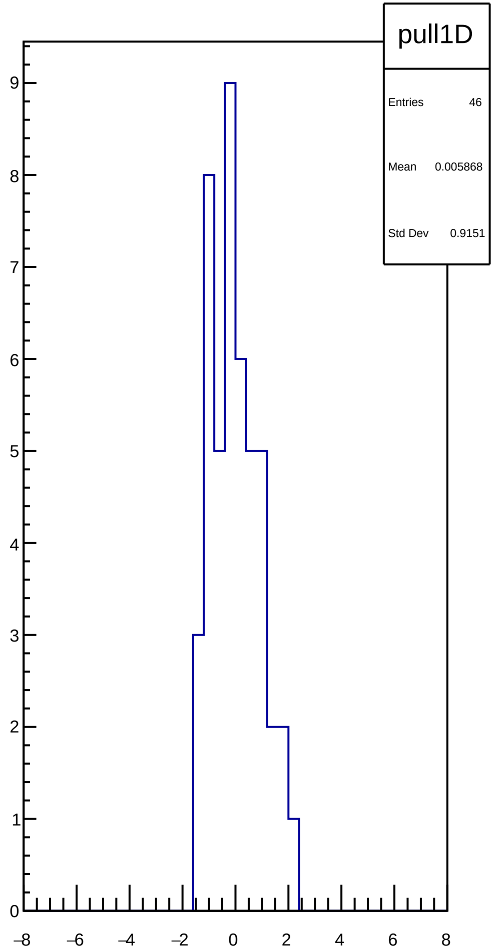

asym_atl_dd_correction_mean vs run
χ2 / ndf 55.64 / 45
p0 46.47 ± 305.4
pull
Entries 46
Mean 12.48
Std Dev 29.03
pull1D
Entries 46
Mean 0.07349
Std Dev 1.097

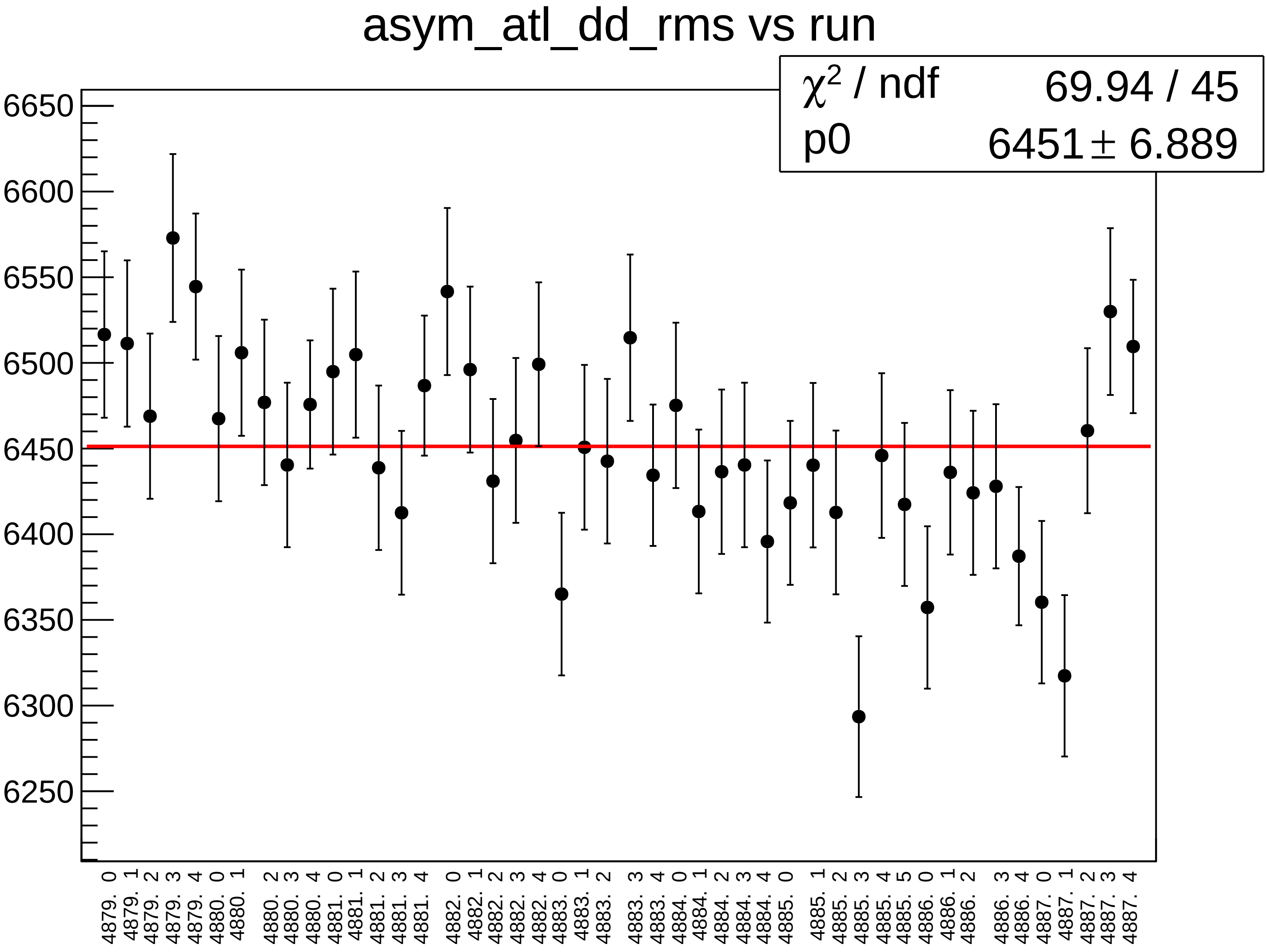


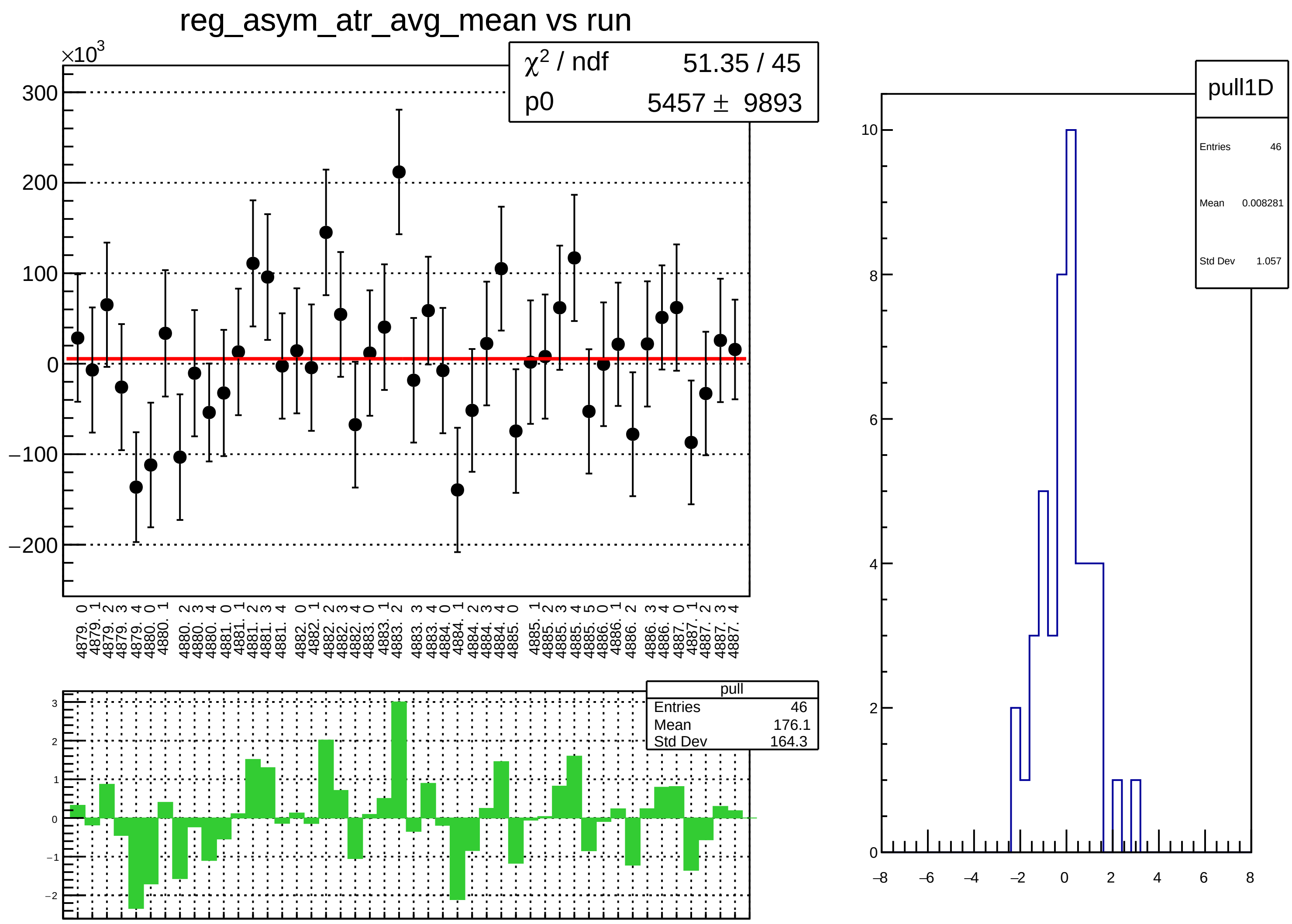
asym_atl_dd_correction_rms vs run
χ² / ndf 6.585e+04 / 45
p0 194.5 ± 0.2159
100
150
200
250
300
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_atl_dd_mean vs run

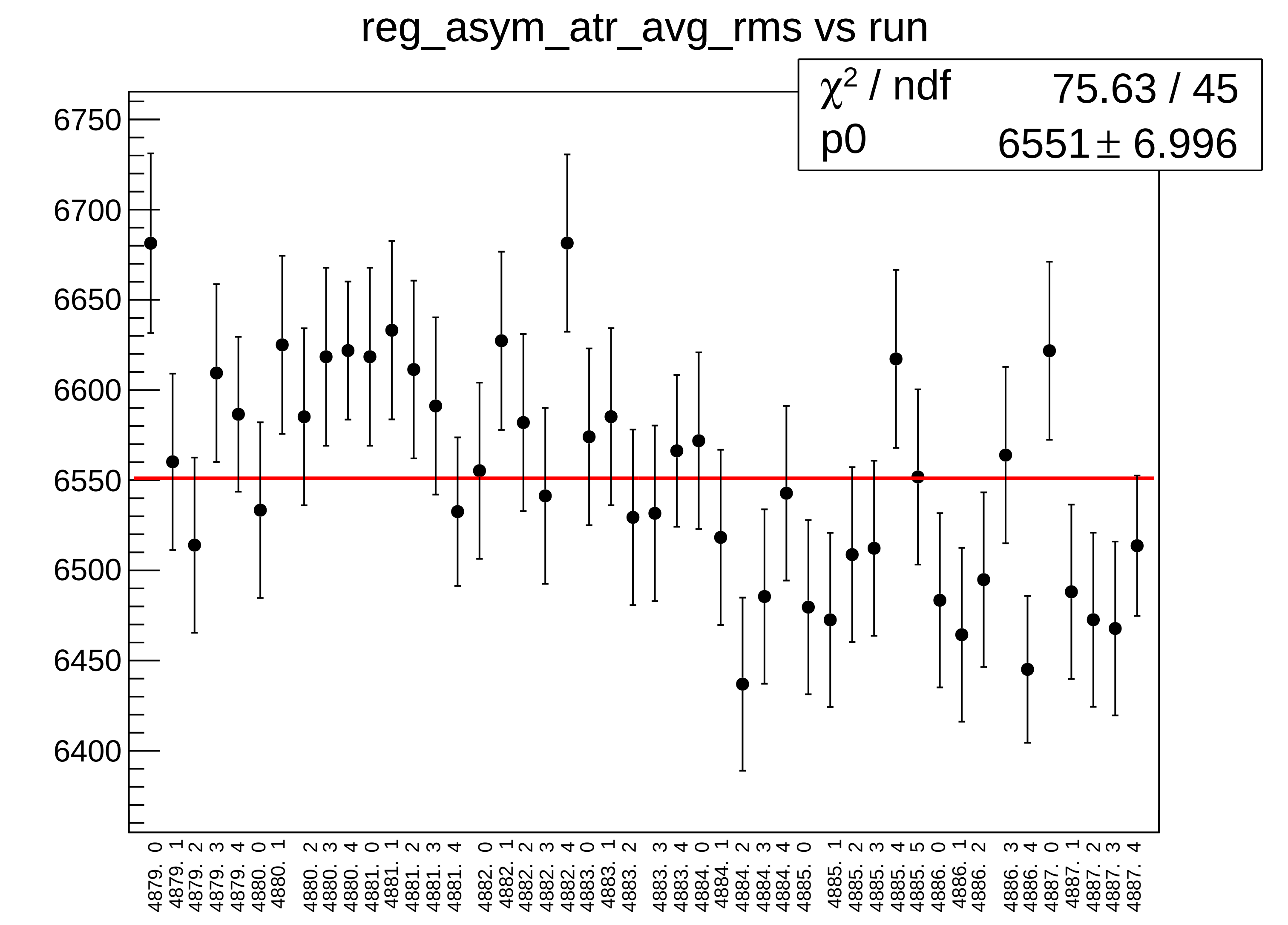


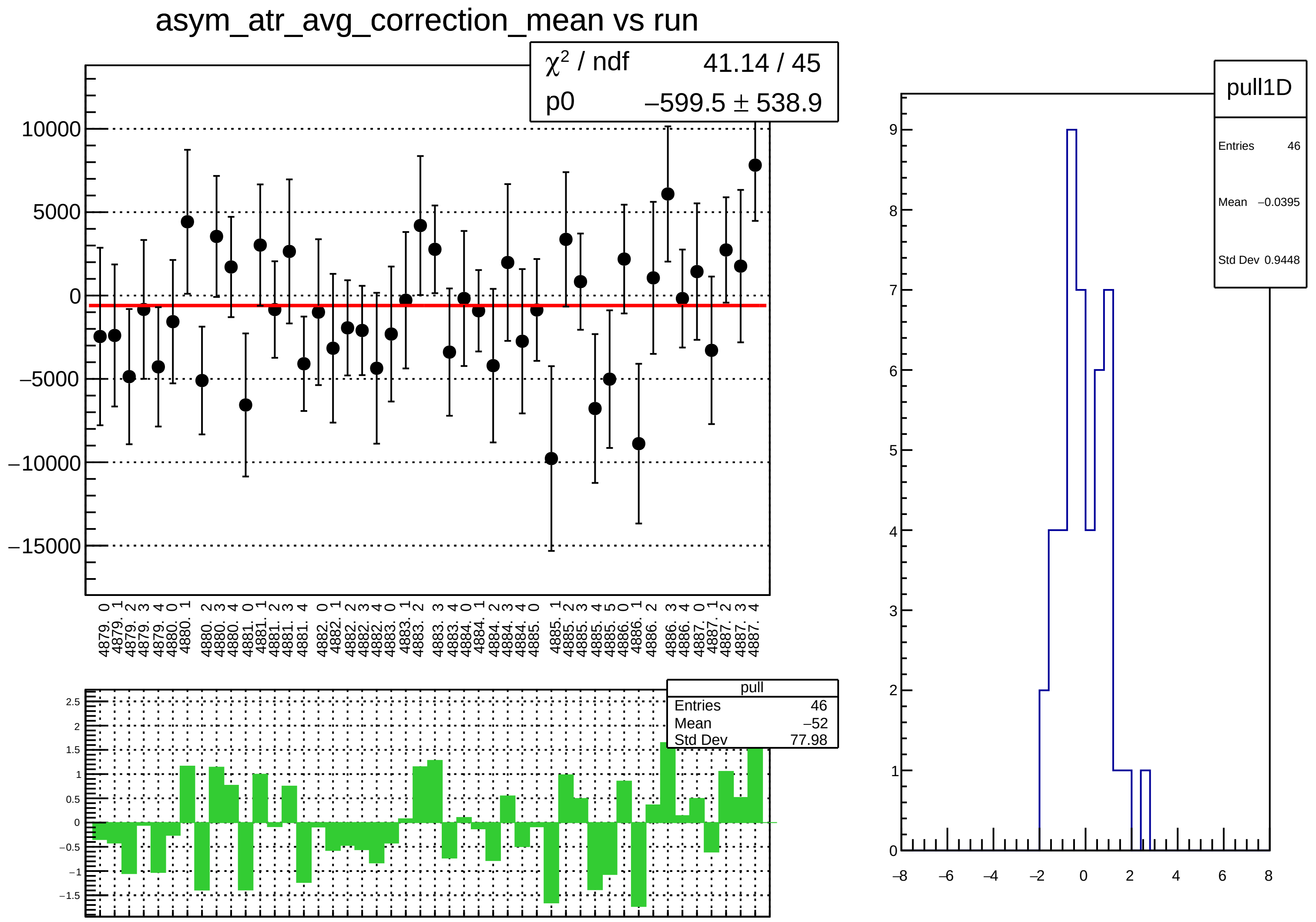


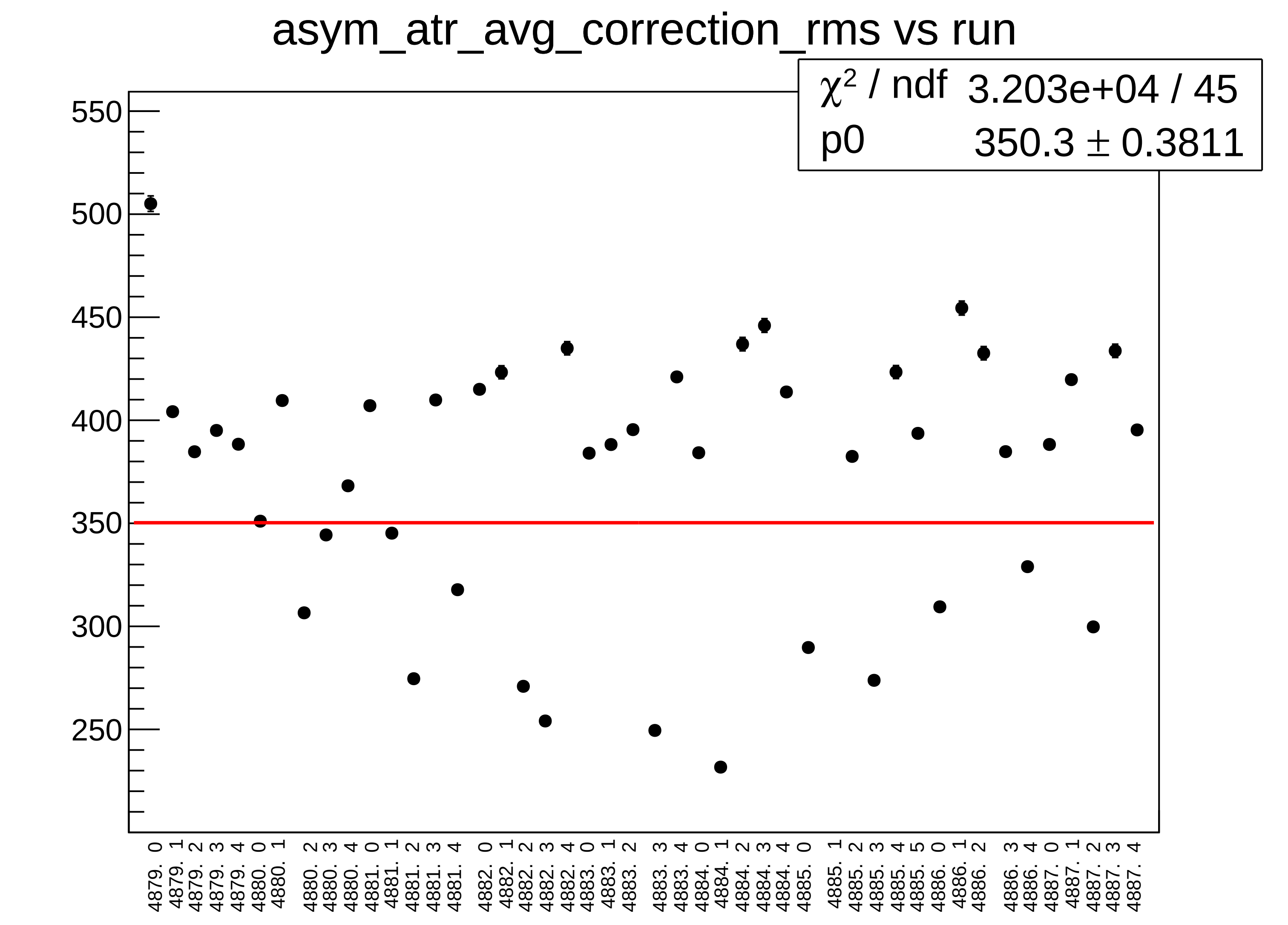

asym_atl_dd_rms vs run
χ^2 / ndf 69.94 / 45
p0 6451 ± 6.889
6650
6600
6550
6500
6450
6400
6350
6300
6250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

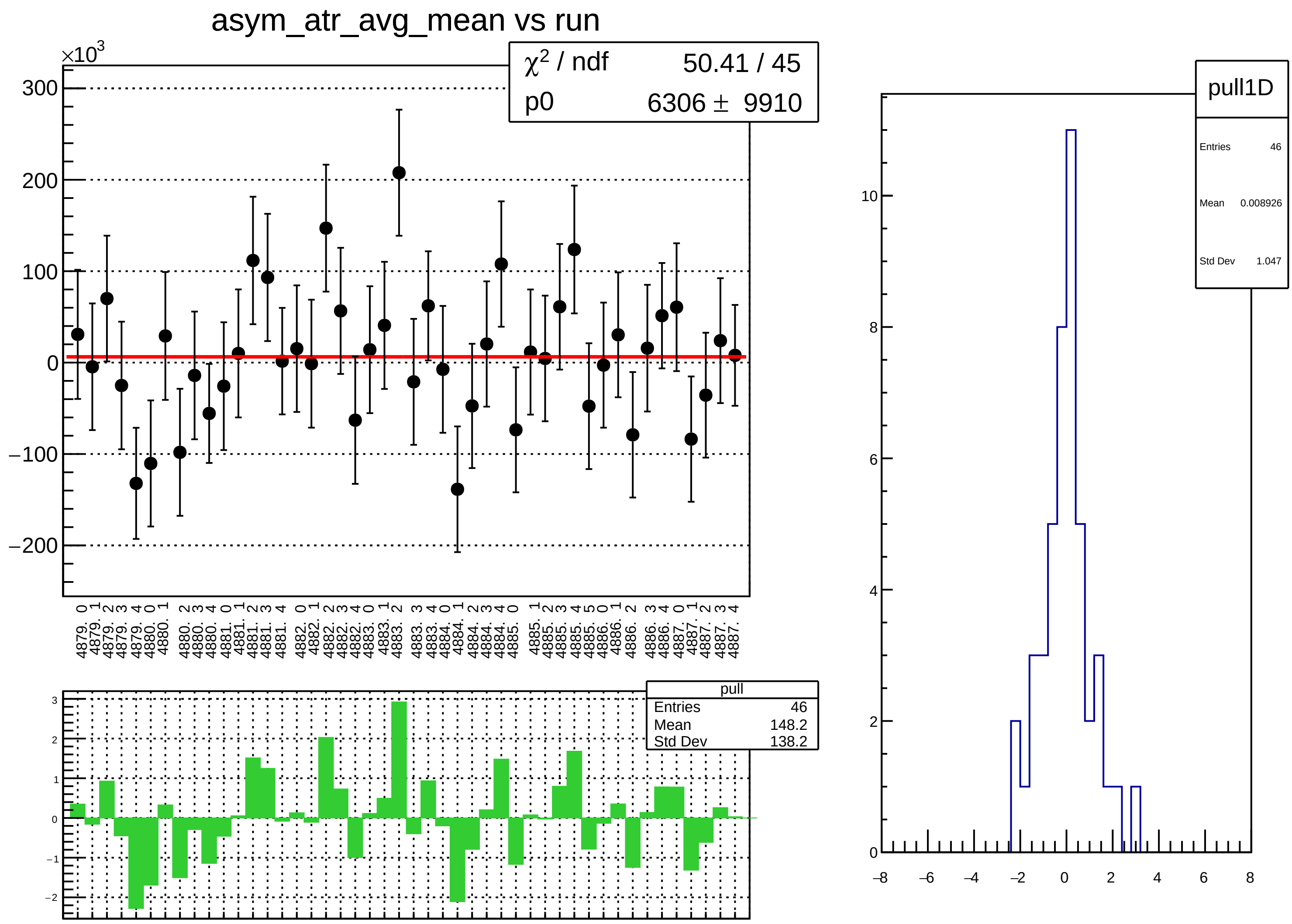


reg_asym_atr_avg_mean vs run
×10^3
χ2 / ndf 51.35 / 45
p0 5457 ± 9893
pull
Entries 46
Mean 176.1
Std Dev 164.3
pull1D
Entries 46
Mean 0.008281
Std Dev 1.057

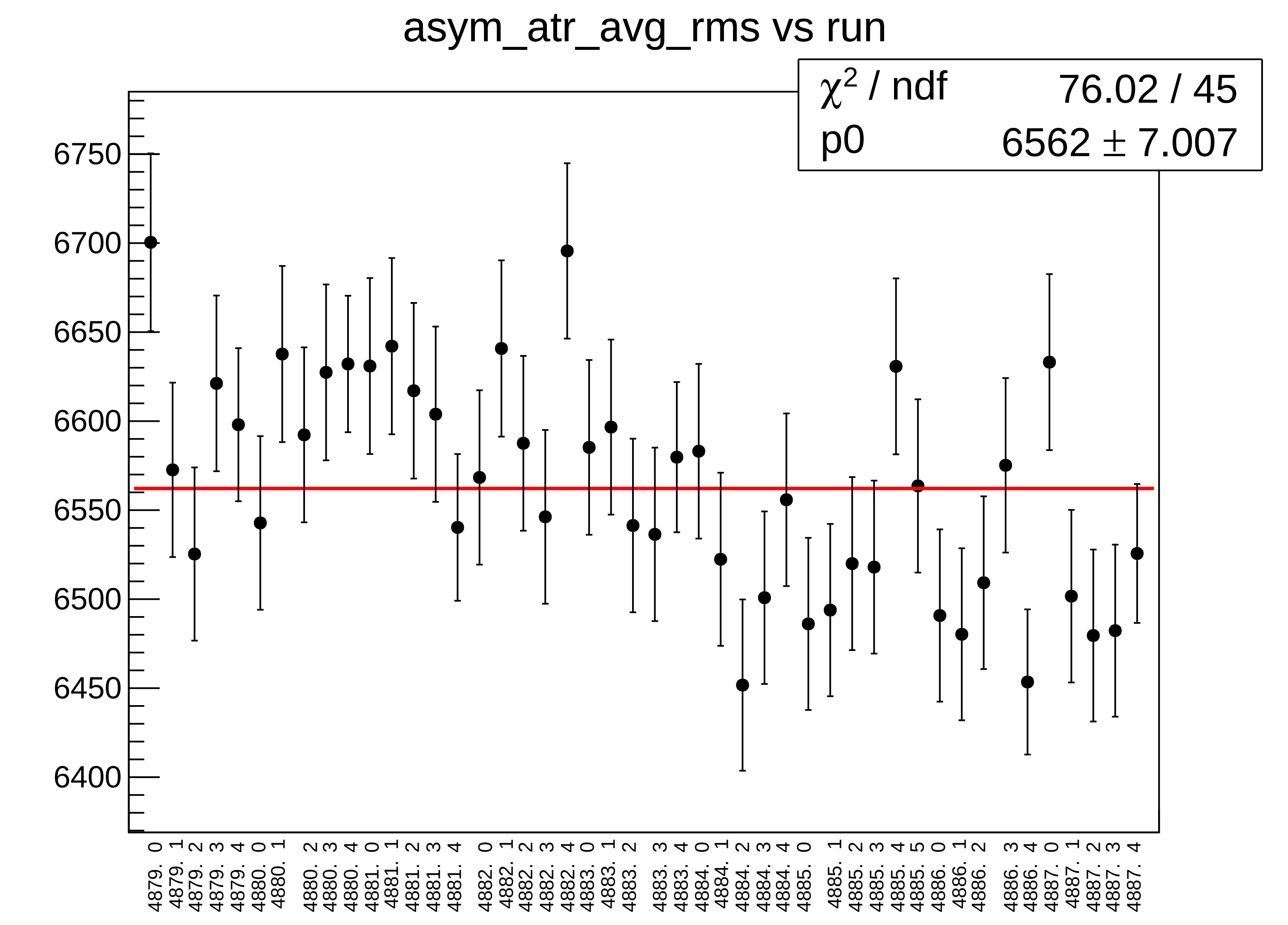

reg_asym_atr_avg_rms vs run
χ2 / ndf 75.63 / 45
p0 6551 ± 6.996
6750
6700
6650
6600
6550
6500
6450
6400


asym_atr_avg_correction_mean vs run
χ^2 / ndf 41.14 / 45
p0 −599.5 ± 538.9
pull
Entries 46
Mean −52
Std Dev 77.98
pull1D
Entries 46
Mean −0.0395
Std Dev 0.9448

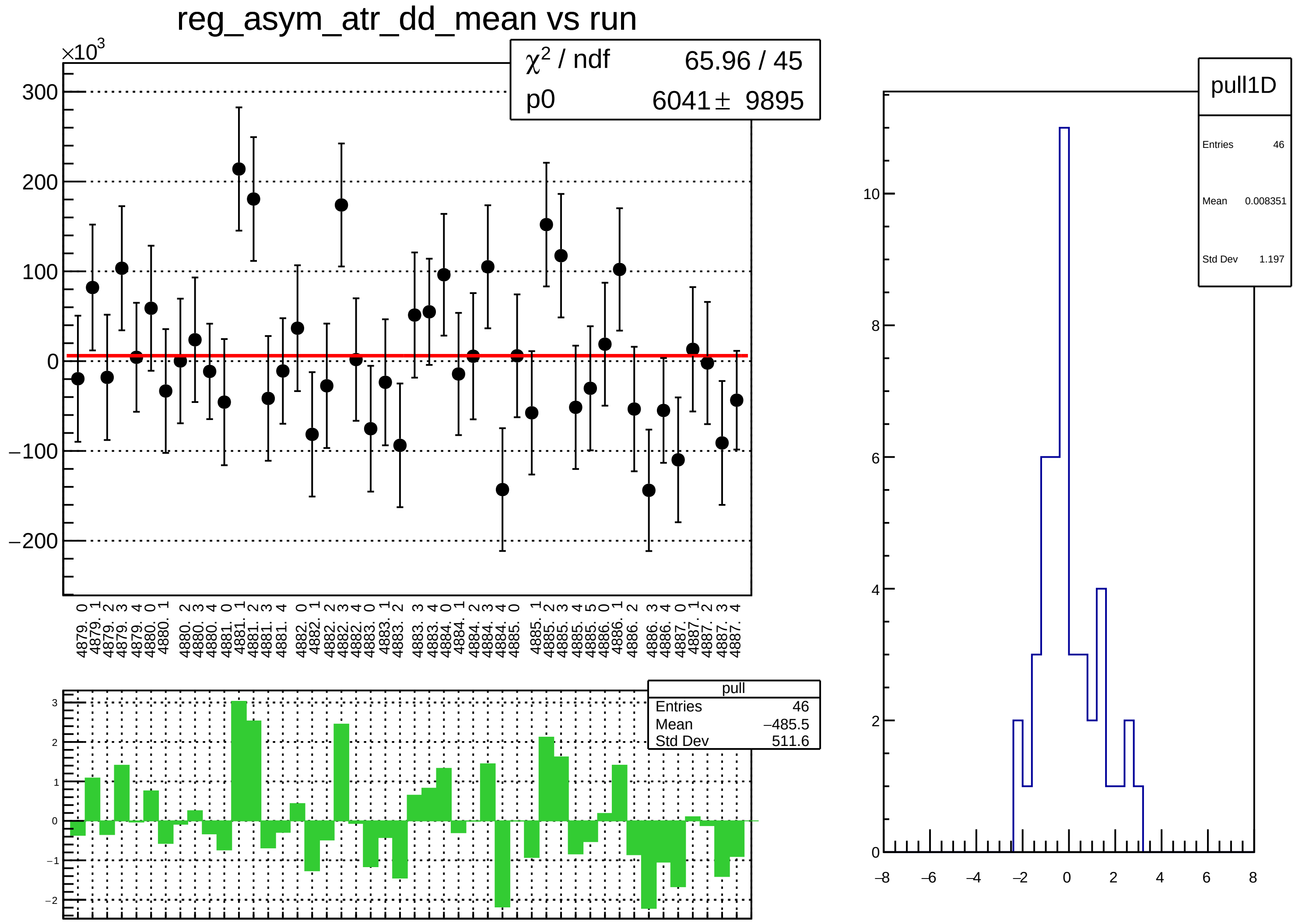

asym_atr_avg_correction_rms vs run
χ2 / ndf 3.203e+04 / 45
p0 350.3 ± 0.3811
550
500
450
400
350
300
250
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4

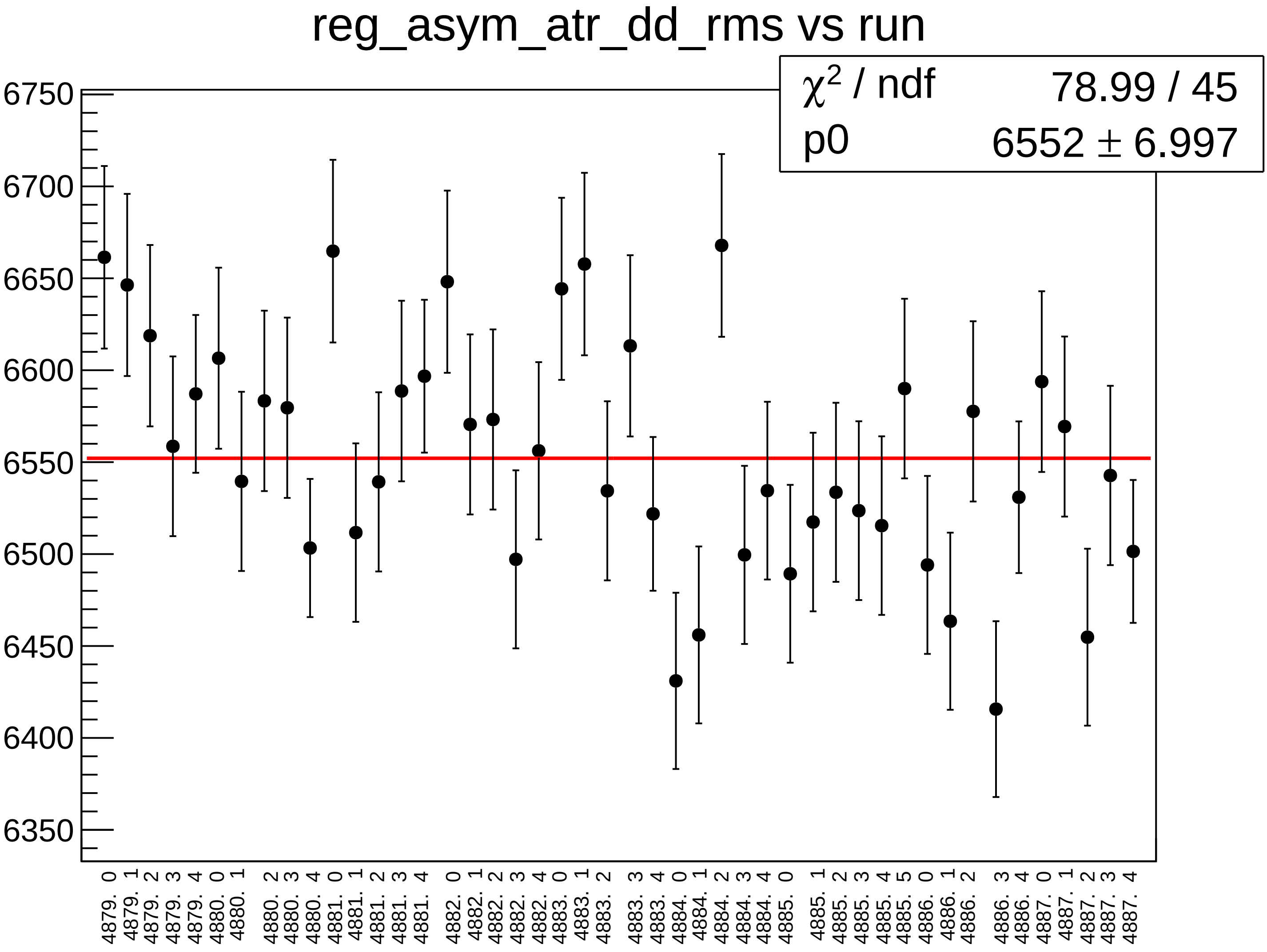


asym_atr_avg_mean vs run
$\times10^3$
χ^2 / ndf 50.41 / 45
p0 6306 ± 9910
300
200
100
0
−100
−200
pull
Entries 46
Mean 148.2
Std Dev 138.2
pull1D
Entries 46
Mean 0.008926
Std Dev 1.047
10
8
6
4
2
0
−8 −6 −4 −2 0 2 4 6 8

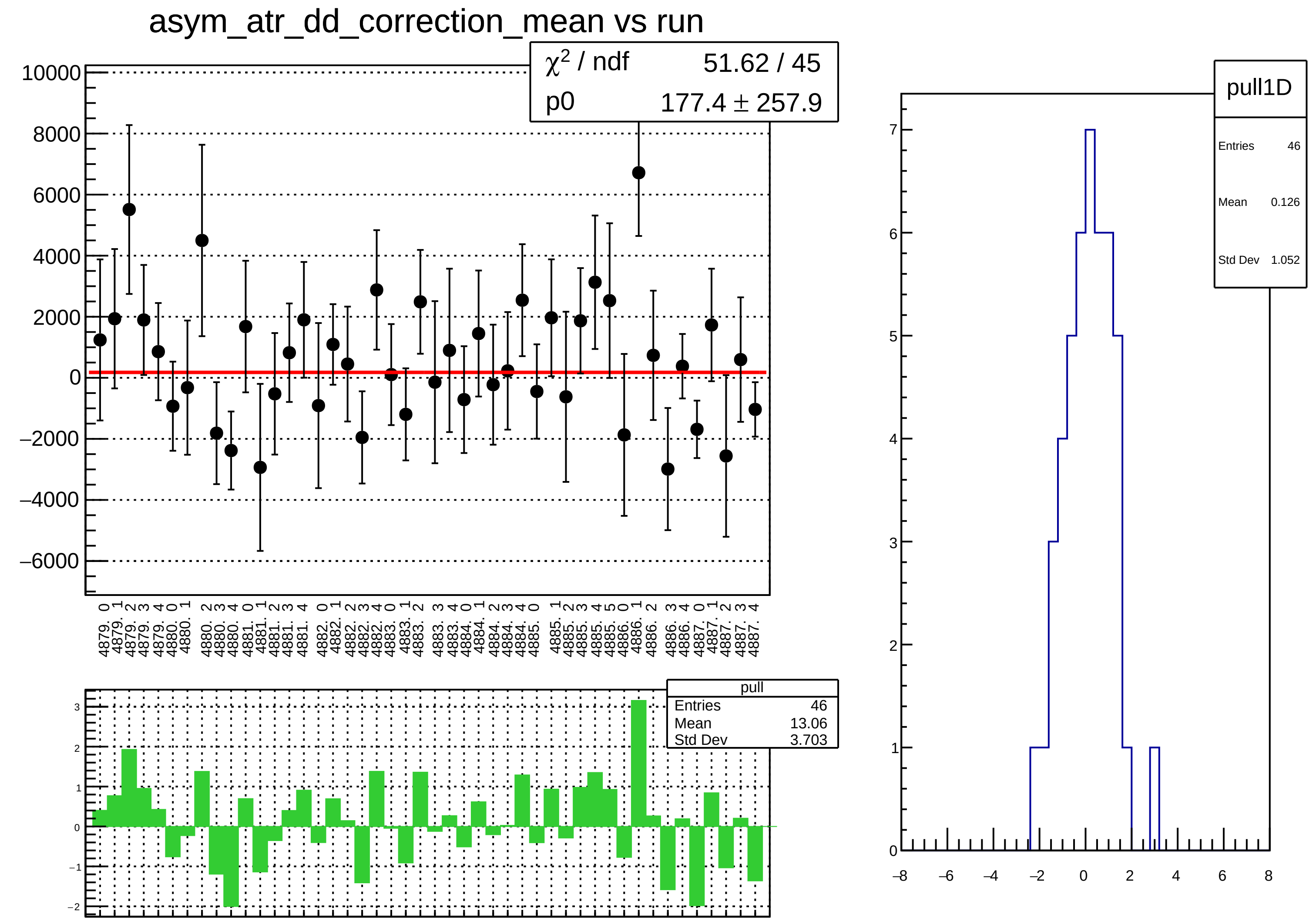


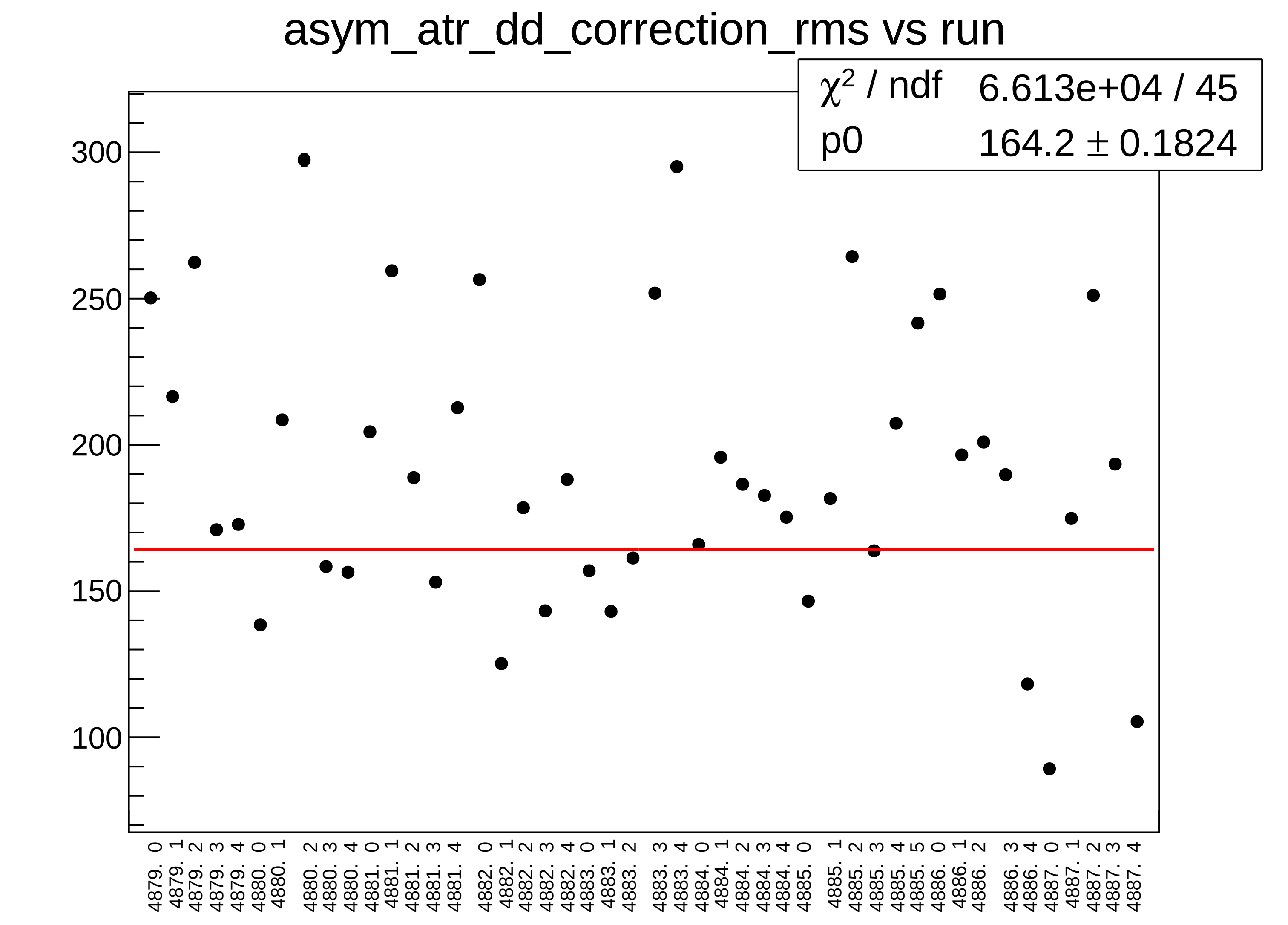
asym_atr_avg_rms vs run
χ^2 / ndf 76.02 / 45
p0 6562 ± 7.007
6750
6700
6650
6600
6550
6500
6450
6400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

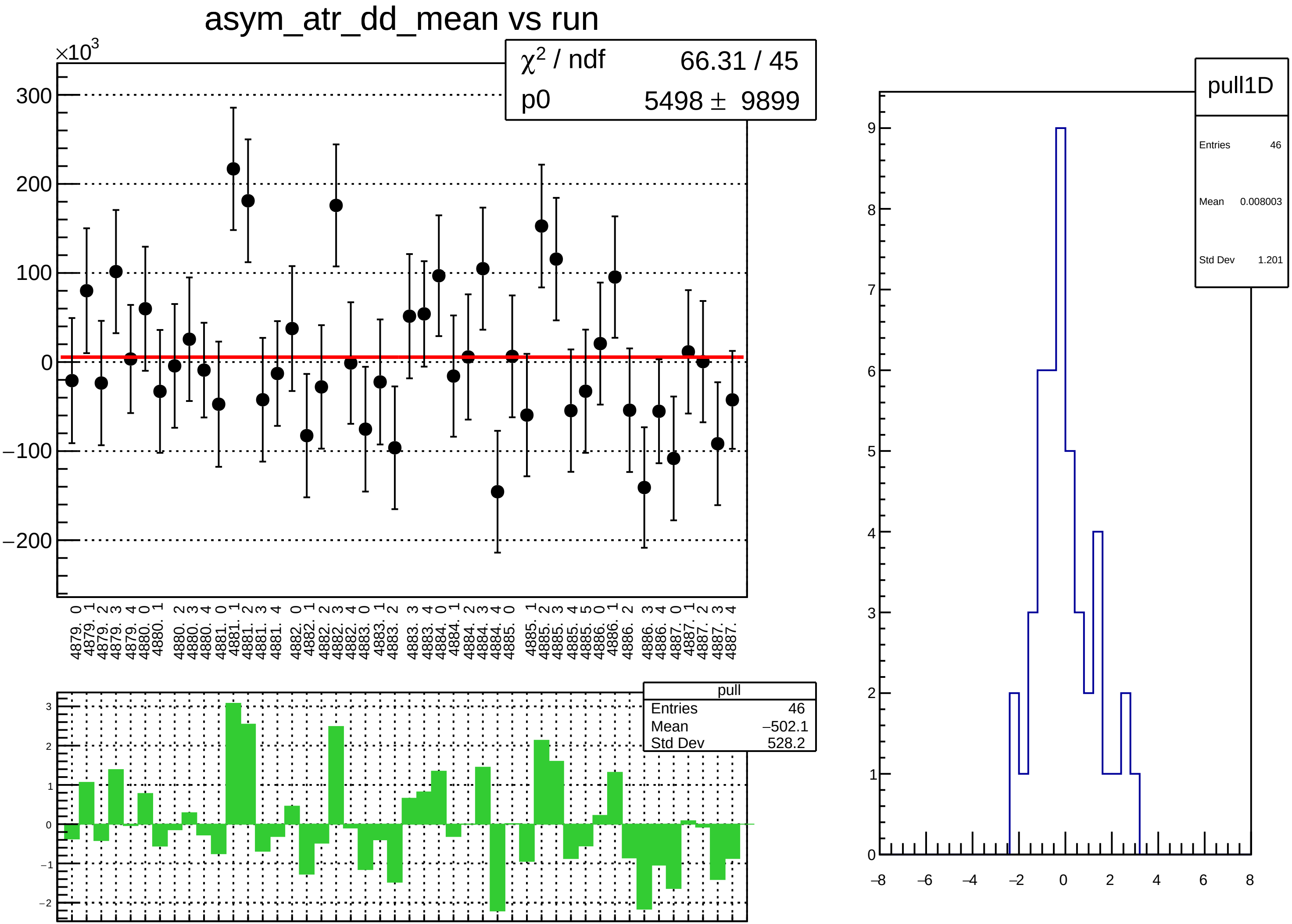

reg_asym_atr_dd_mean vs run
$\times 10^3$
χ^2 / ndf 65.96 / 45
p0 6041 ± 9895
300
200
100
0
−100
−200
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −485.5
Std Dev 511.6
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.008351
Std Dev 1.197
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



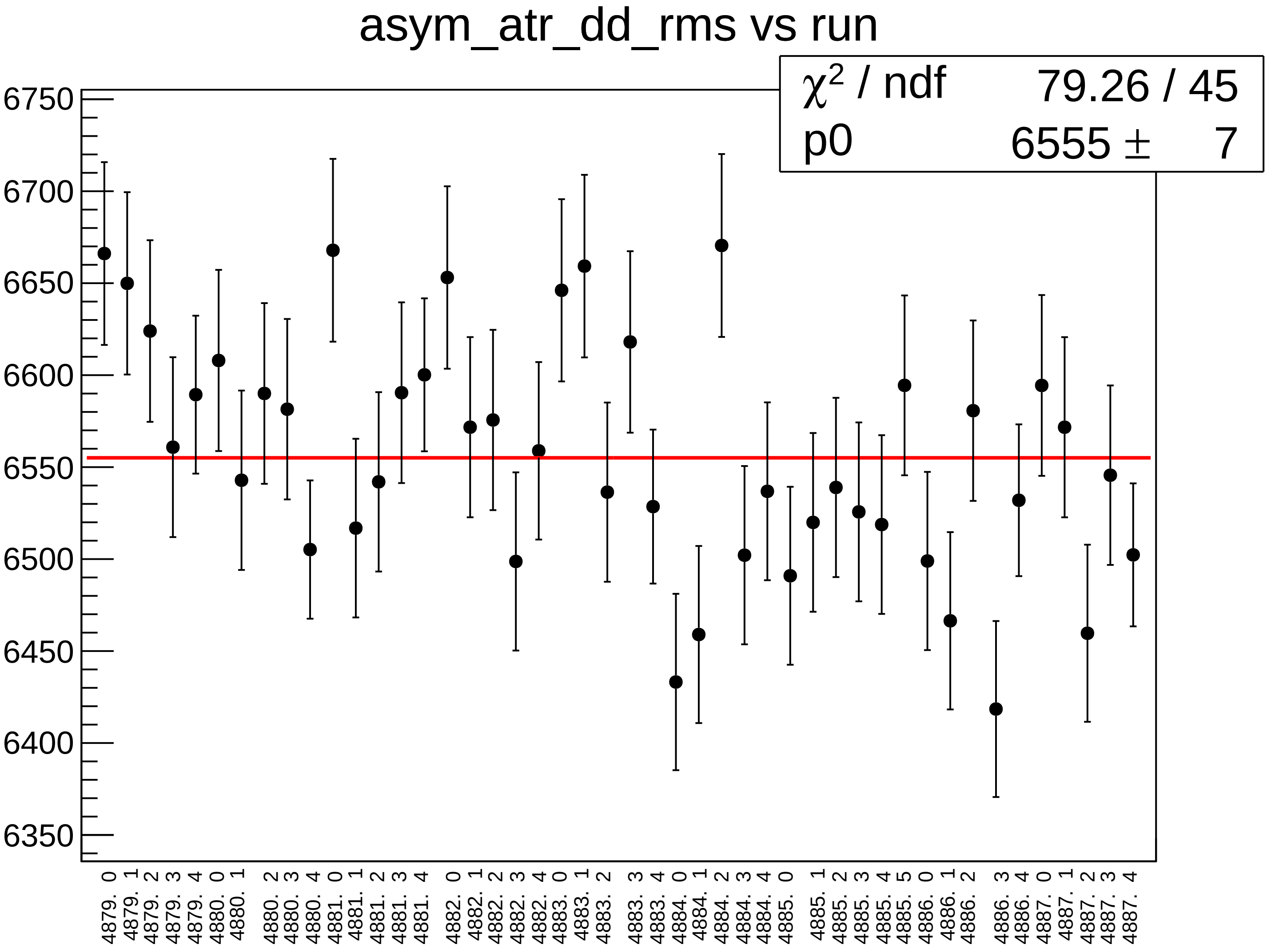
reg_asym_atr_dd_rms vs run
χ^2 / ndf 78.99 / 45
p0 6552 ± 6.997
6750
6700
6650
6600
6550
6500
6450
6400
6350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_atr_dd_correction_mean vs run
χ2 / ndf 51.62 / 45
p0 177.4 ± 257.9
pull
Entries 46
Mean 13.06
Std Dev 3.703
pull1D
Entries 46
Mean 0.126
Std Dev 1.052

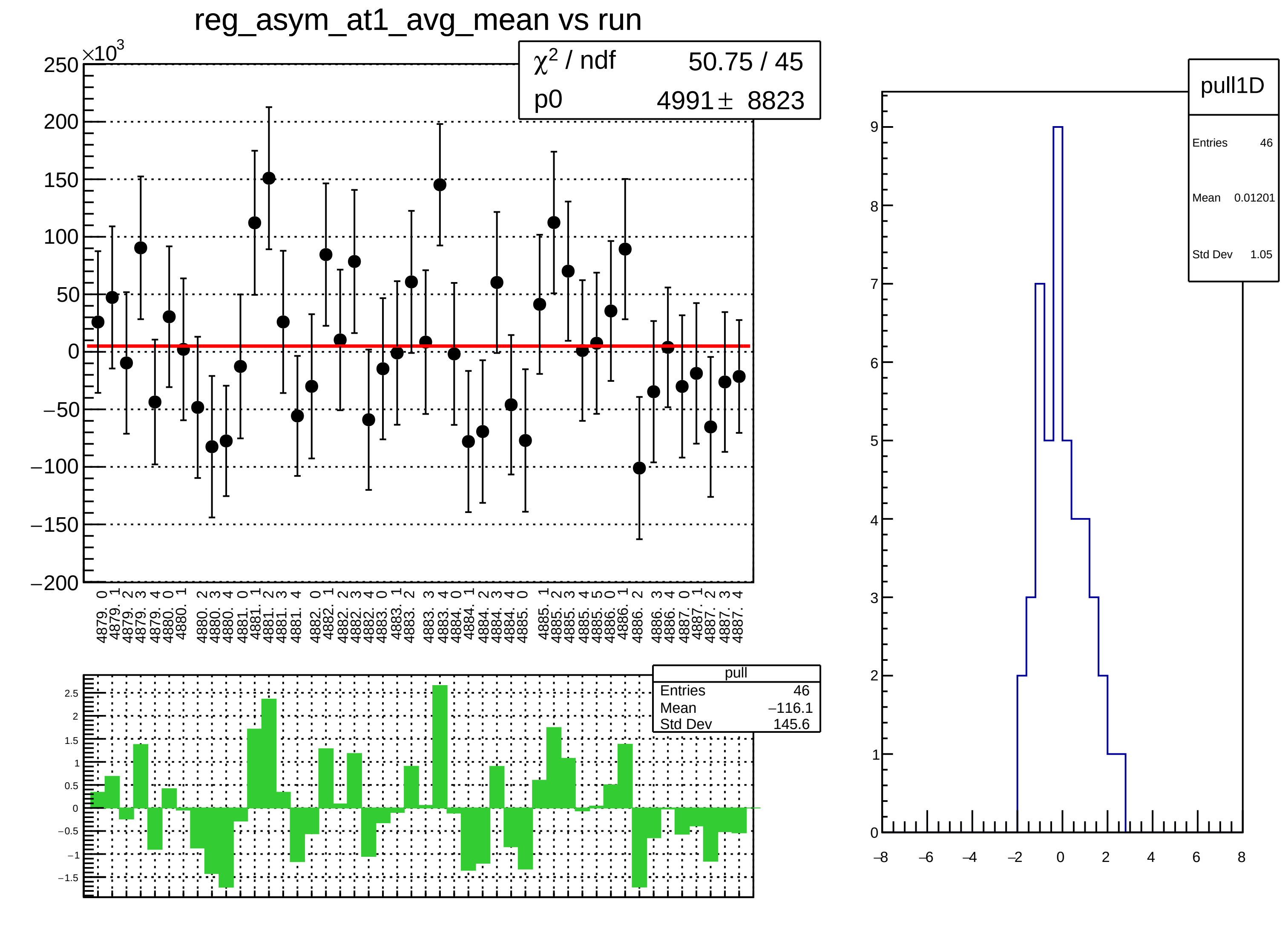

asym_atr_dd_correction_rms vs run
χ^2 / ndf 6.613e+04 / 45
p0 164.2 ± 0.1824
300
250
200
150
100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



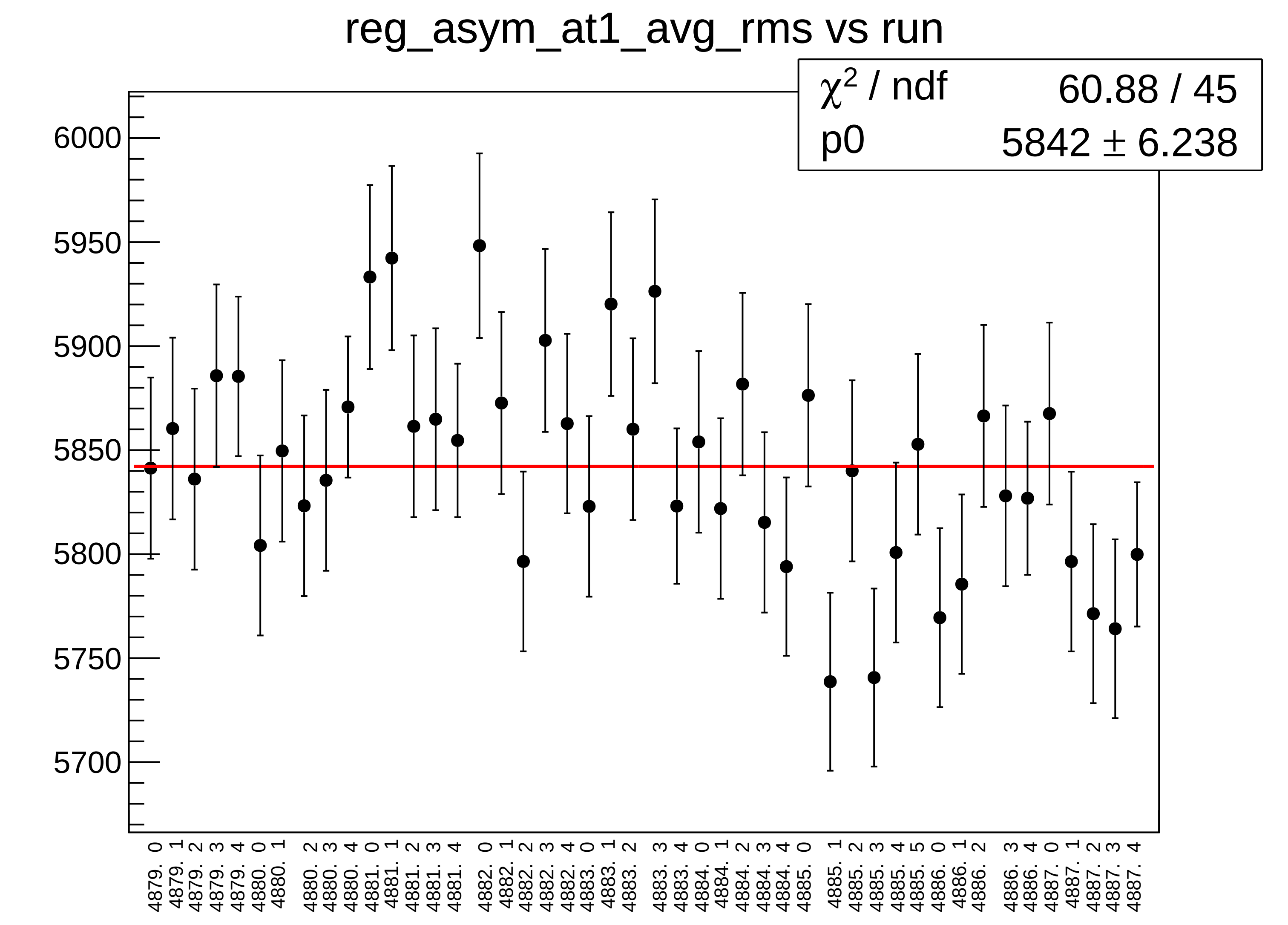
asym_atr_dd_mean vs run
$\times 10^3$
300
200
100
0
−100
−200
χ^2 / ndf 66.31 / 45
p0 5498 ± 9899
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −502.1
Std Dev 528.2
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.008003
Std Dev 1.201
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



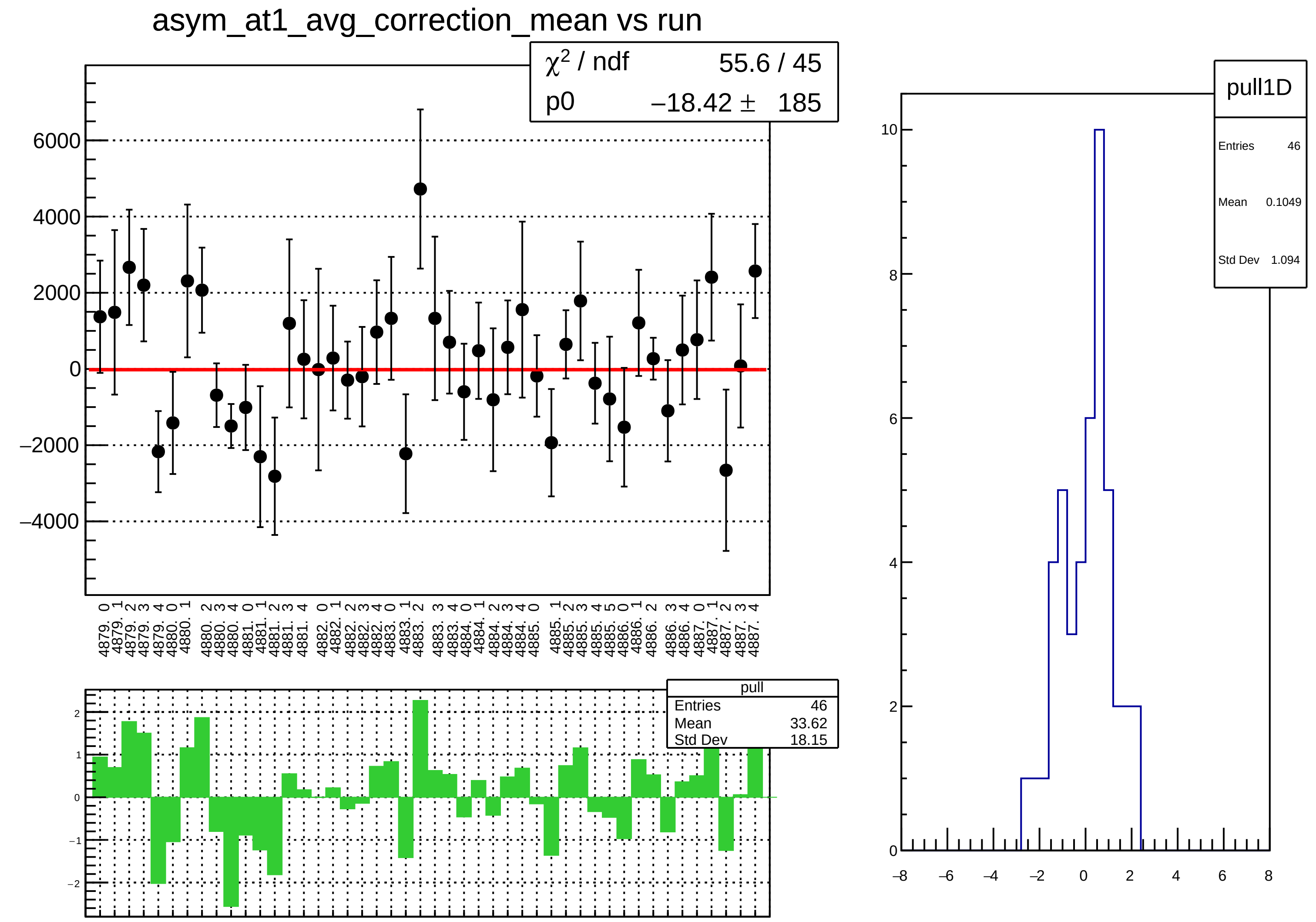
asym_atr_dd_rms vs run
χ2 / ndf 79.26 / 45
p0 6555 ± 7
6750
6700
6650
6600
6550
6500
6450
6400
6350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



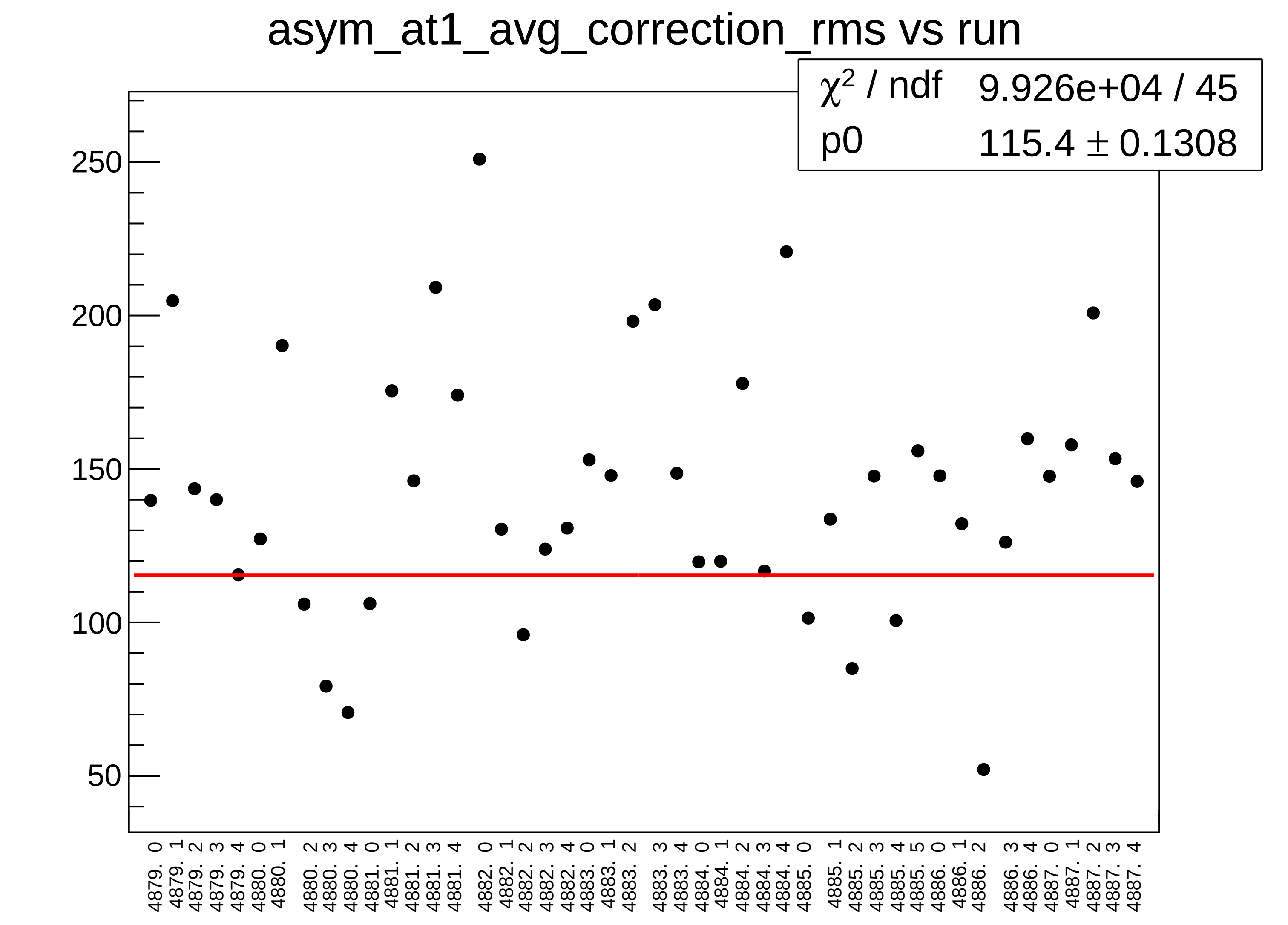
reg_asym_at1_avg_mean vs run
χ2 / ndf 50.75 / 45
p0 4991 ± 8823
×103
250
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 46
Mean −116.1
Std Dev 145.6
pull1D
Entries 46
Mean 0.01201
Std Dev 1.05



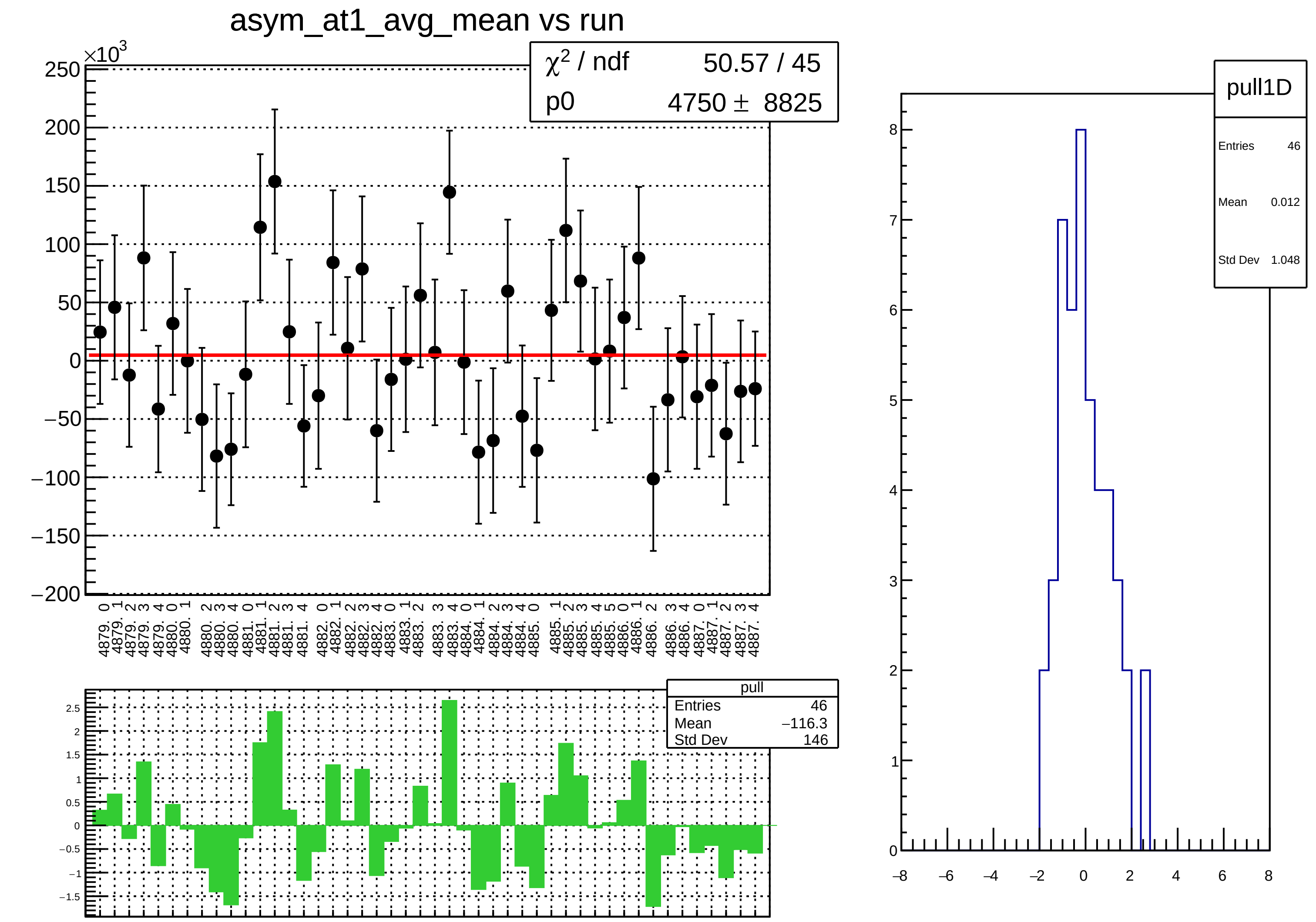
reg_asym_at1_avg_rms vs run
χ^2 / ndf 60.88 / 45
p0 5842 ± 6.238
6000
5950
5900
5850
5800
5750
5700
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



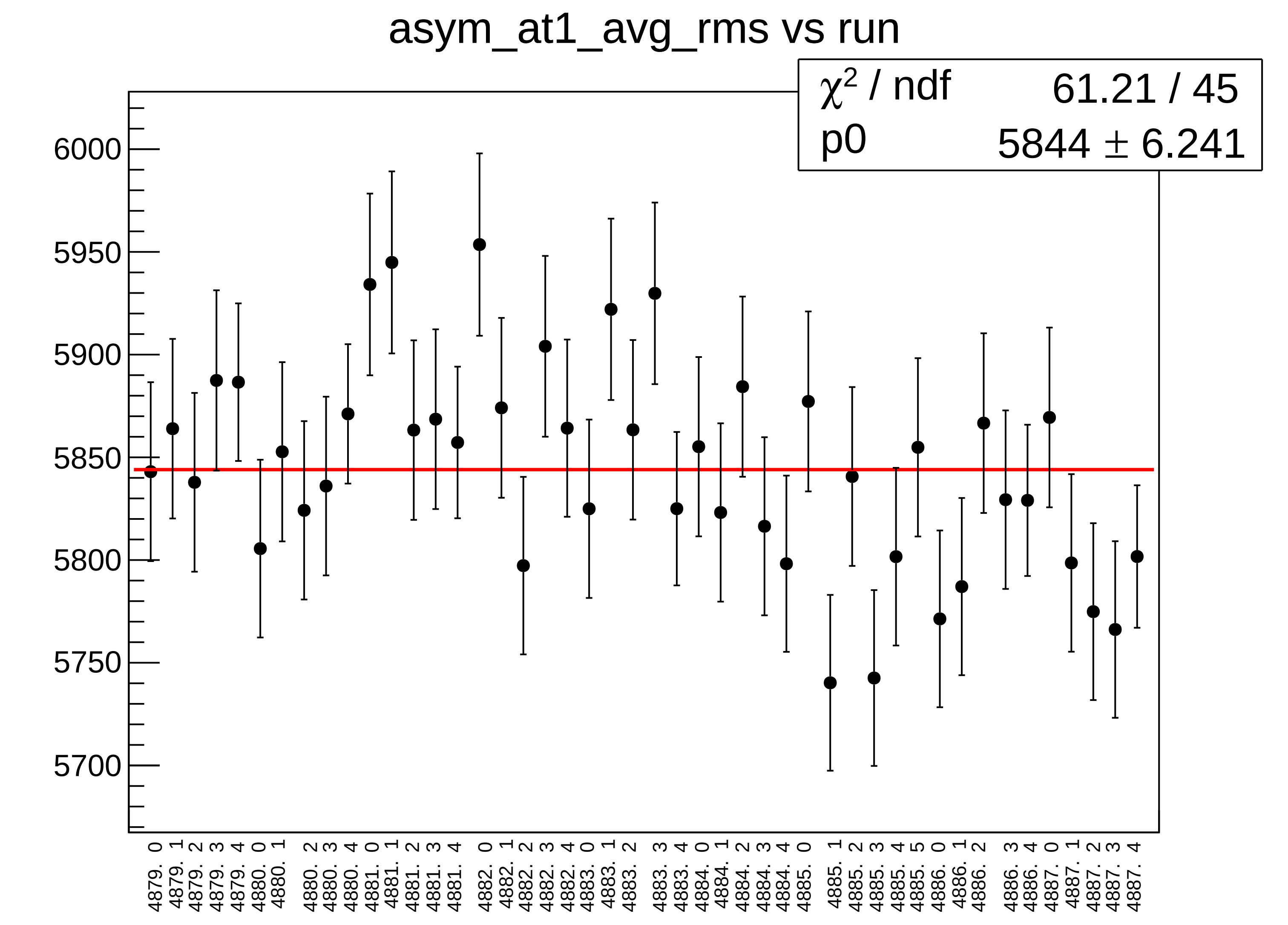
asym_at1_avg_correction_mean vs run
χ^2 / ndf 55.6 / 45
p0 −18.42 ± 185
pull
Entries 46
Mean 33.62
Std Dev 18.15
pull1D
Entries 46
Mean 0.1049
Std Dev 1.094



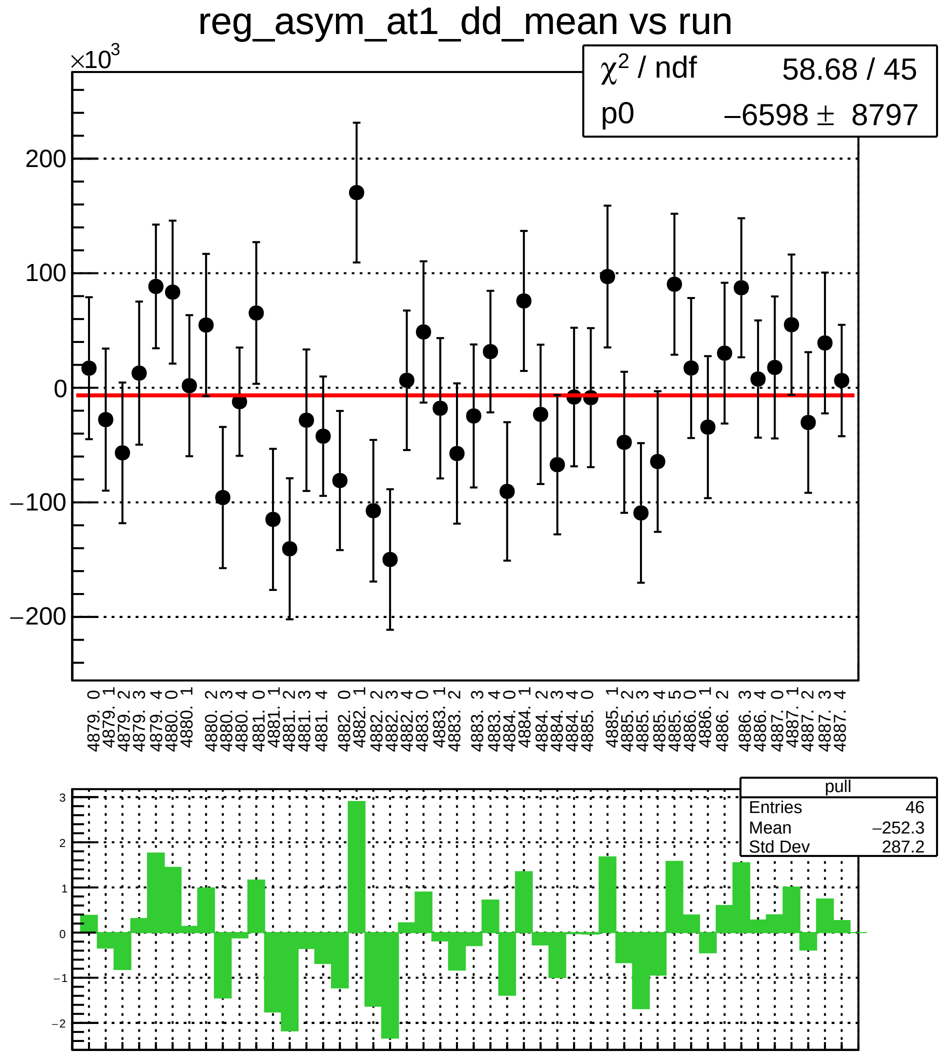
asym_at1_avg_correction_rms vs run
χ2 / ndf 9.926e+04 / 45
p0 115.4 ± 0.1308
250
200
150
100
50
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



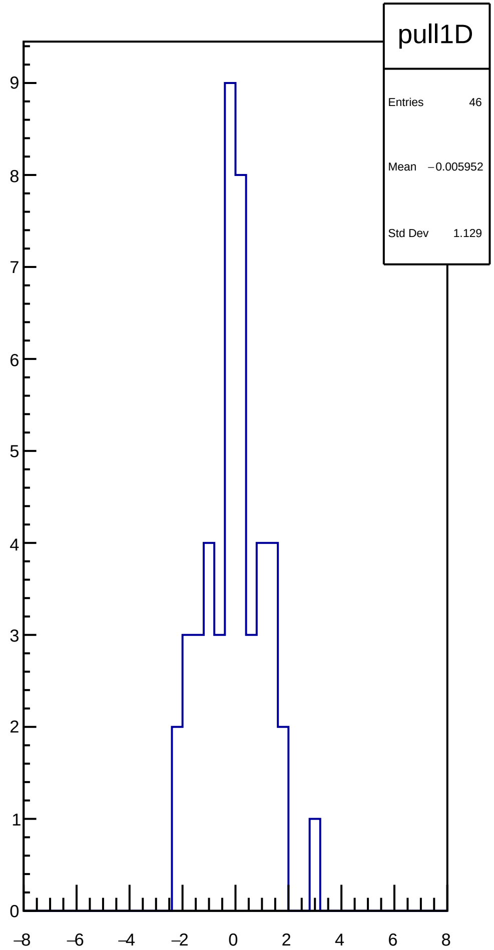
asym_at1_avg_mean vs run
χ^2 / ndf 50.57 / 45
p0 4750 ± 8825
$\times10^3$
250
200
150
100
50
0
−50
−100
−150
−200
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −116.3
Std Dev 146
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 46
Mean 0.012
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



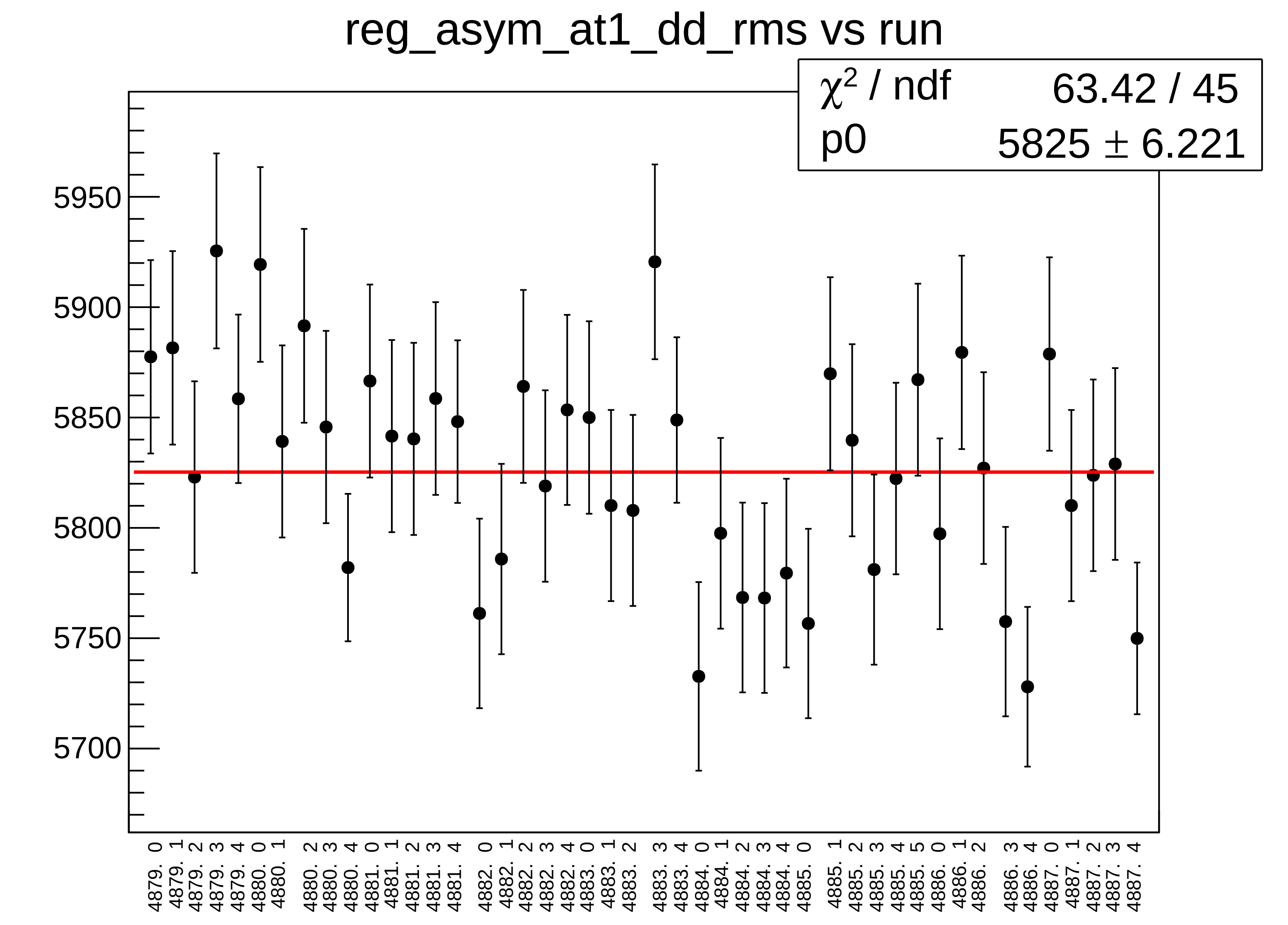
asym_at1_avg_rms vs run
χ^2 / ndf 61.21 / 45
p0 5844 ± 6.241
6000
5950
5900
5850
5800
5750
5700
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

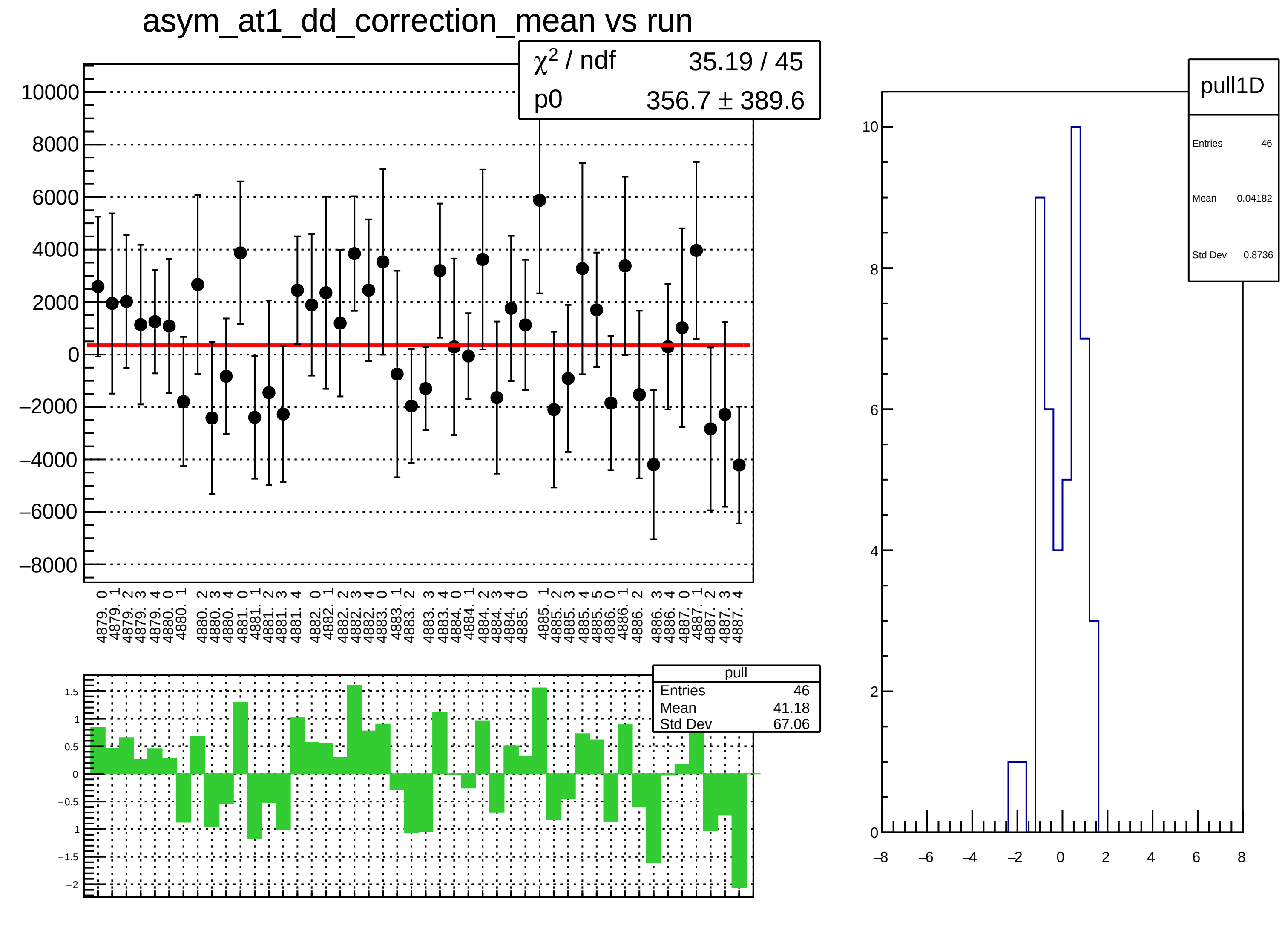


reg_asym_at1_dd_mean vs run
$\times10^3$
χ^2 / ndf 58.68 / 45
p0 −6598 ± 8797
200
100
0
−100
−200
pull
Entries 46
Mean −252.3
Std Dev 287.2

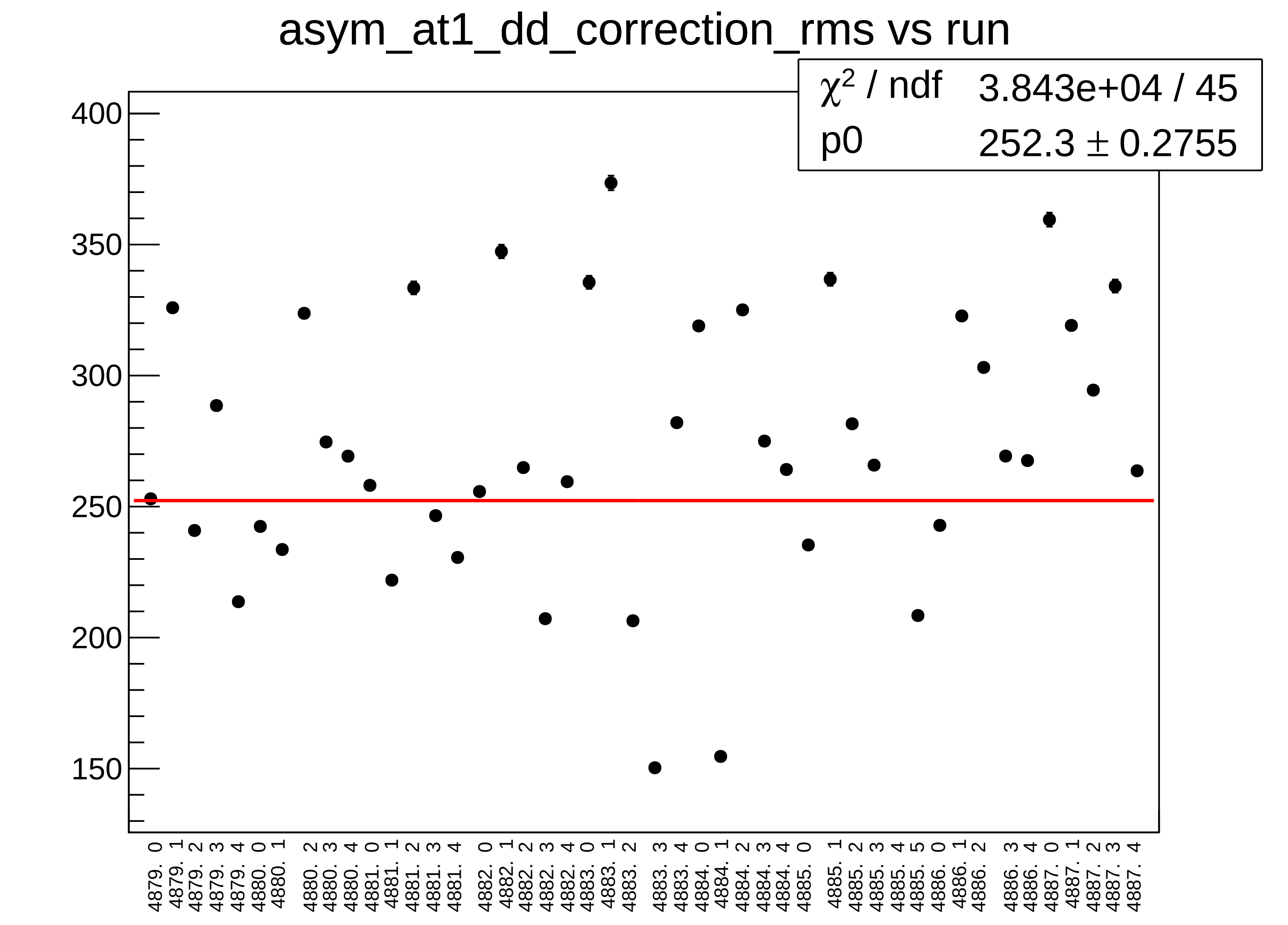


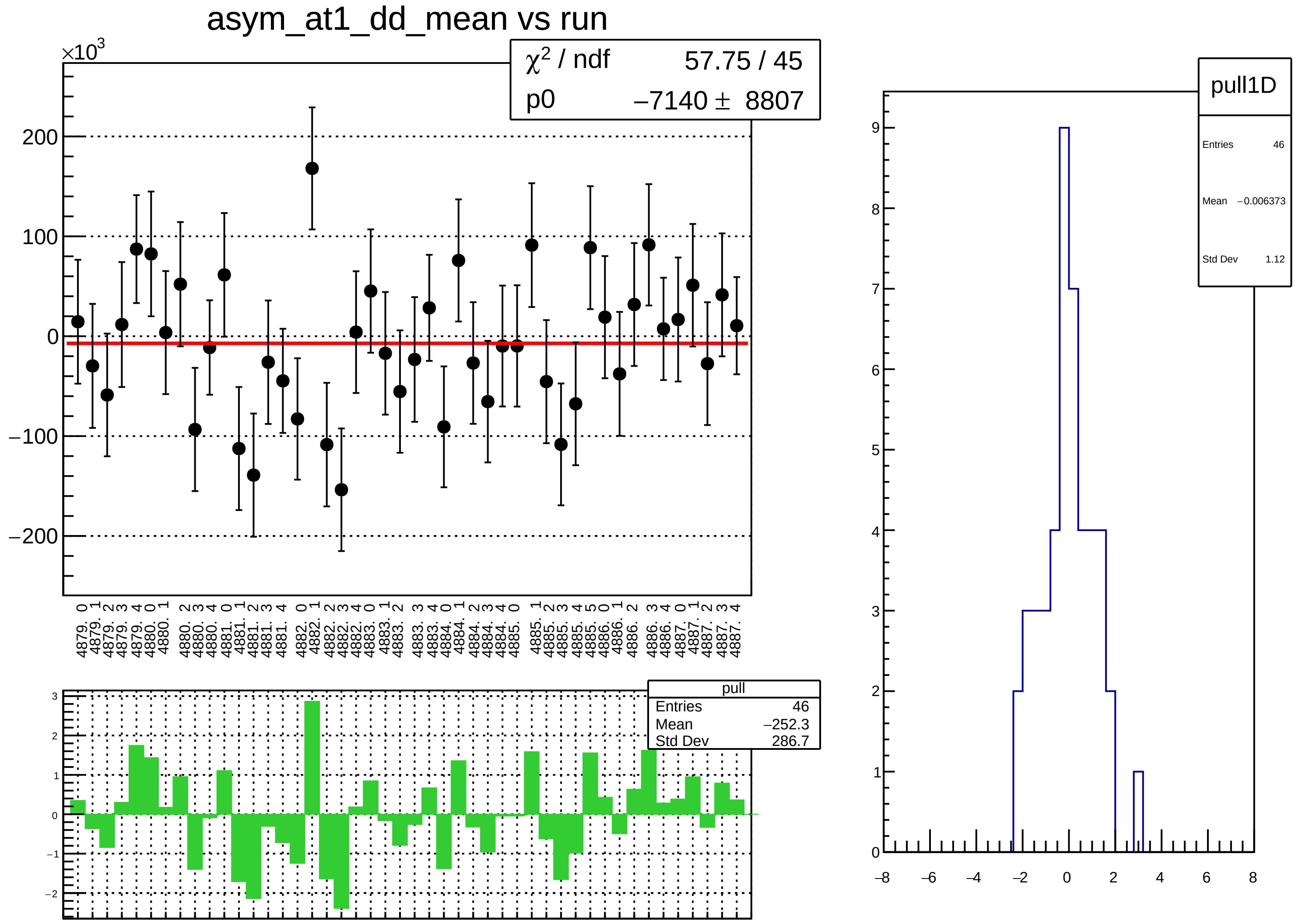
pull1D
Entries 46
Mean −0.005952
Std Dev 1.129

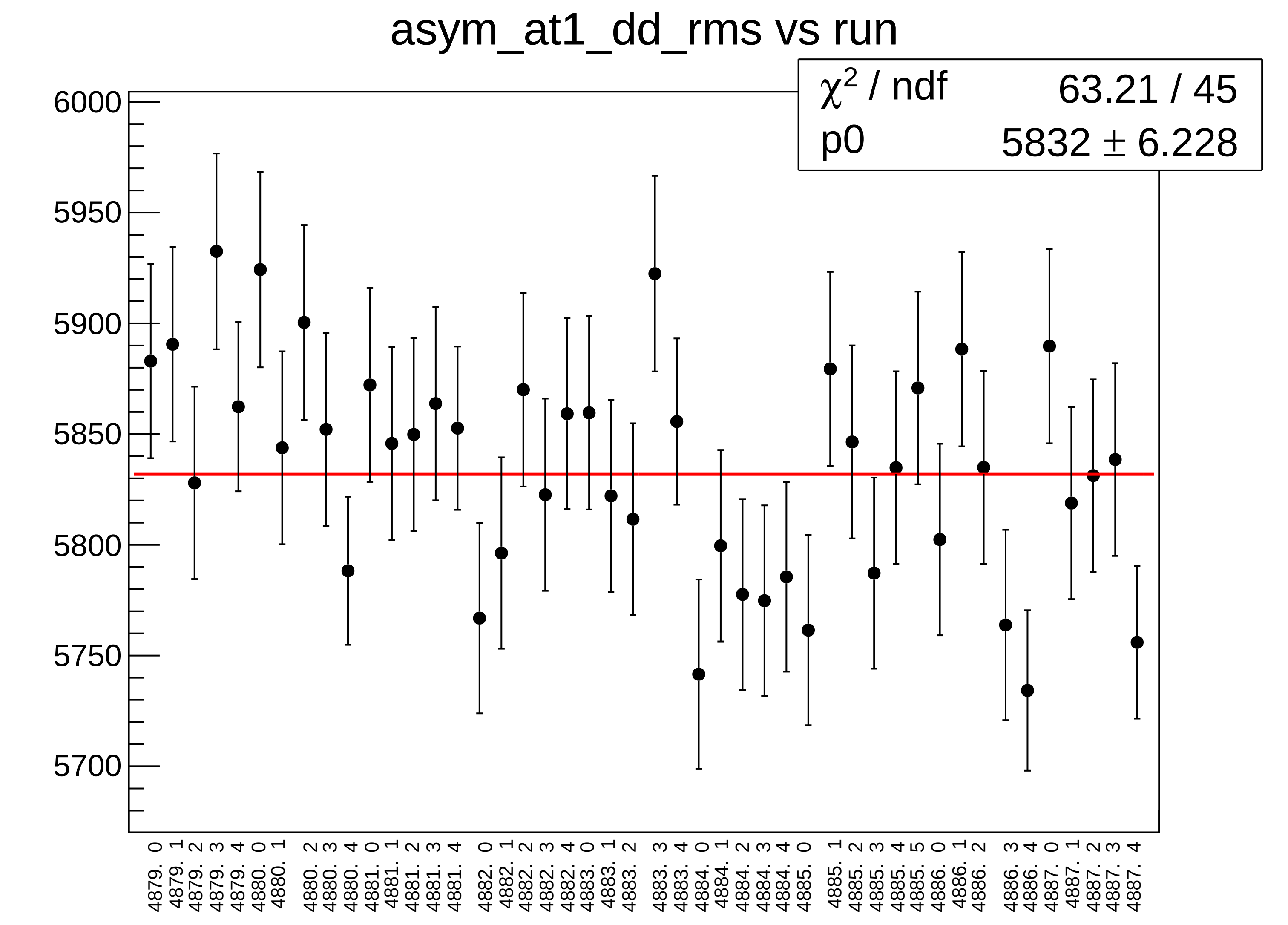

reg_asym_at1_dd_rms vs run
χ^2 / ndf 63.42 / 45
p0 5825 ± 6.221
5950
5900
5850
5800
5750
5700
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



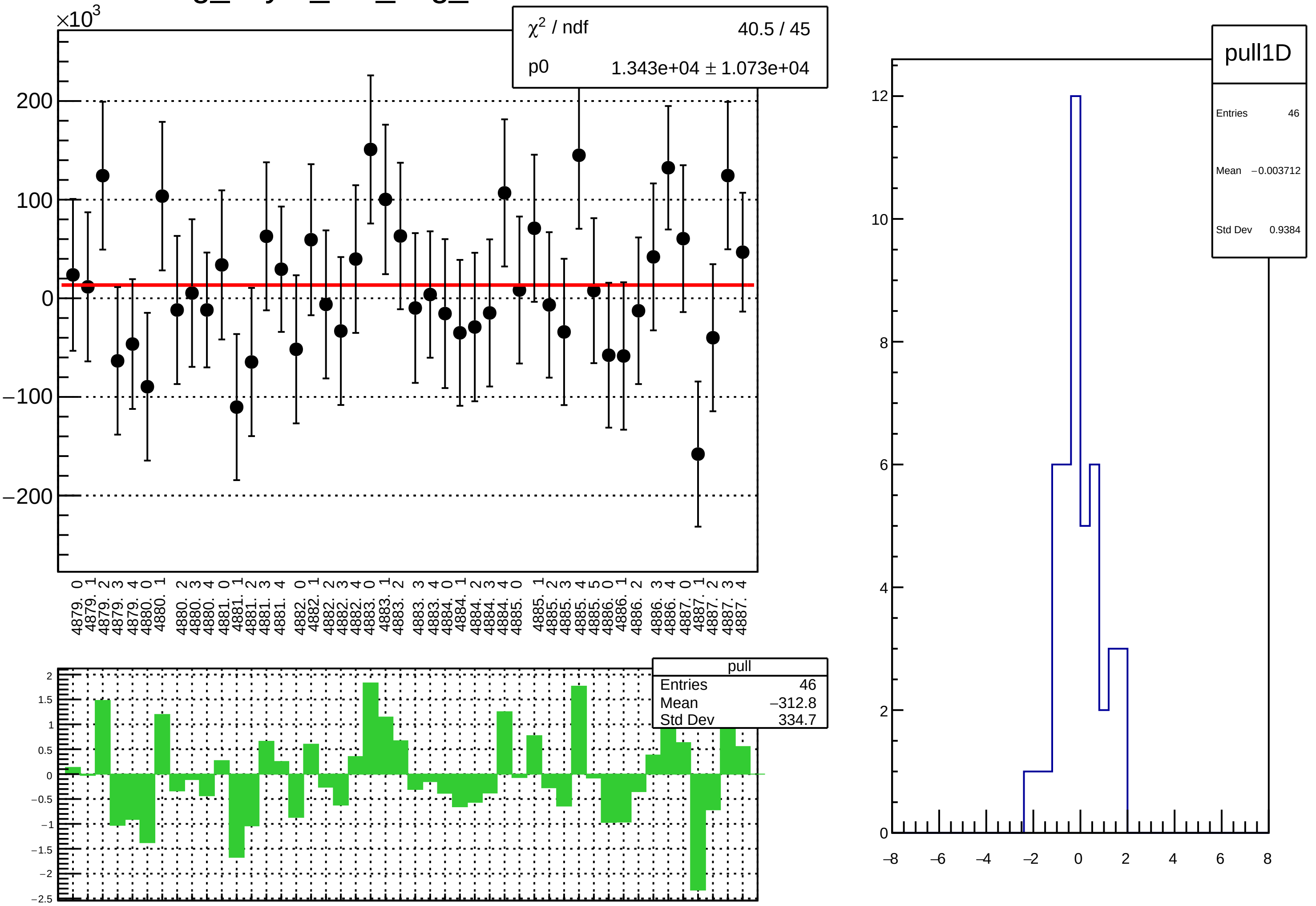
asym_at1_dd_correction_mean vs run
χ^2 / ndf 35.19 / 45
p0 356.7 ± 389.6
pull
Entries 46
Mean −41.18
Std Dev 67.06
pull1D
Entries 46
Mean 0.04182
Std Dev 0.8736

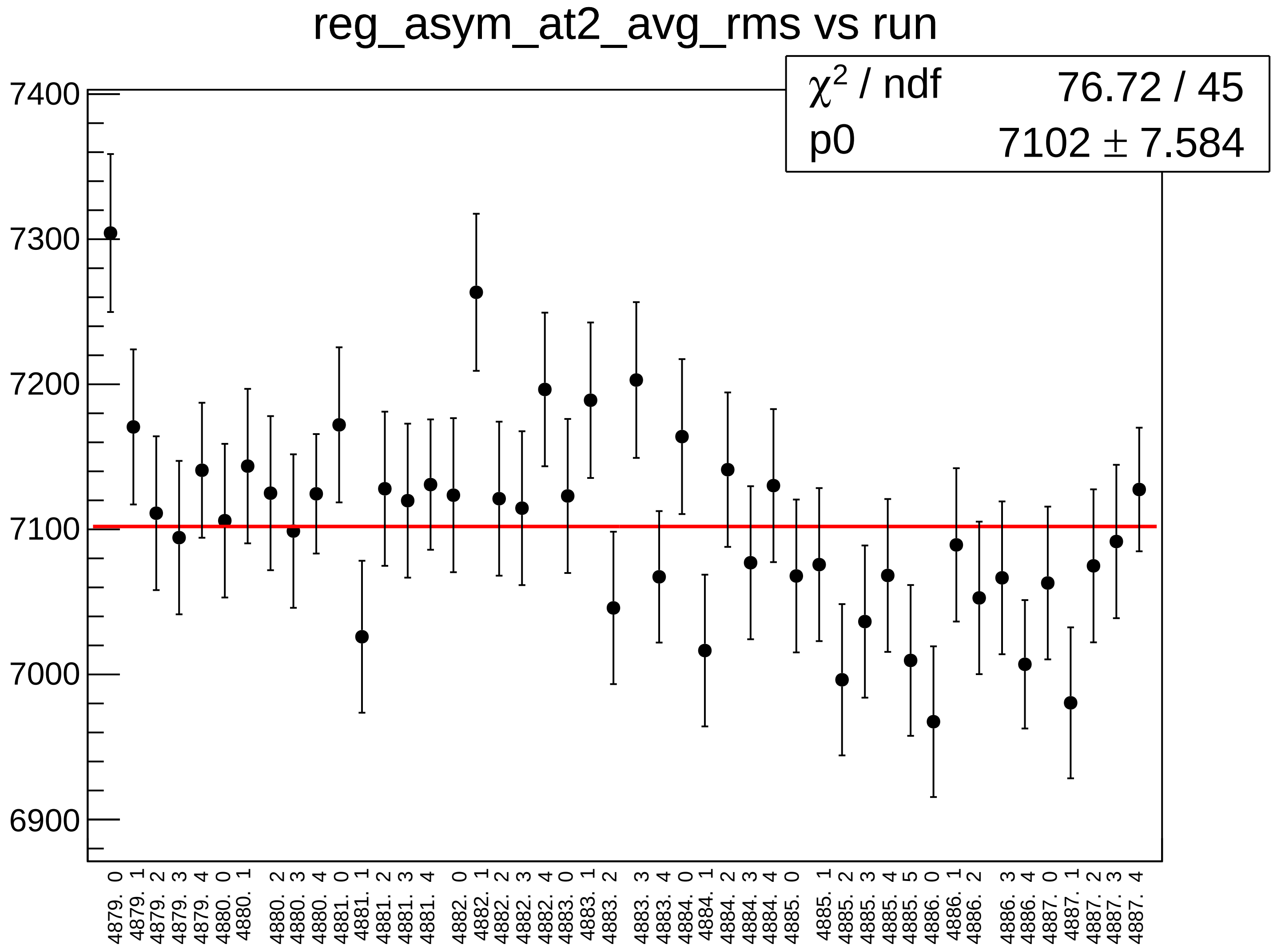

asym_at1_dd_correction_rms vs run
χ^2 / ndf 3.843e+04 / 45
p0 252.3 ± 0.2755
400
350
300
250
200
150
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_at1_dd_mean vs run
χ^2 / ndf 57.75 / 45
p0 −7140 ± 8807
pull
Entries 46
Mean −252.3
Std Dev 286.7
pull1D
Entries 46
Mean −0.006373
Std Dev 1.12

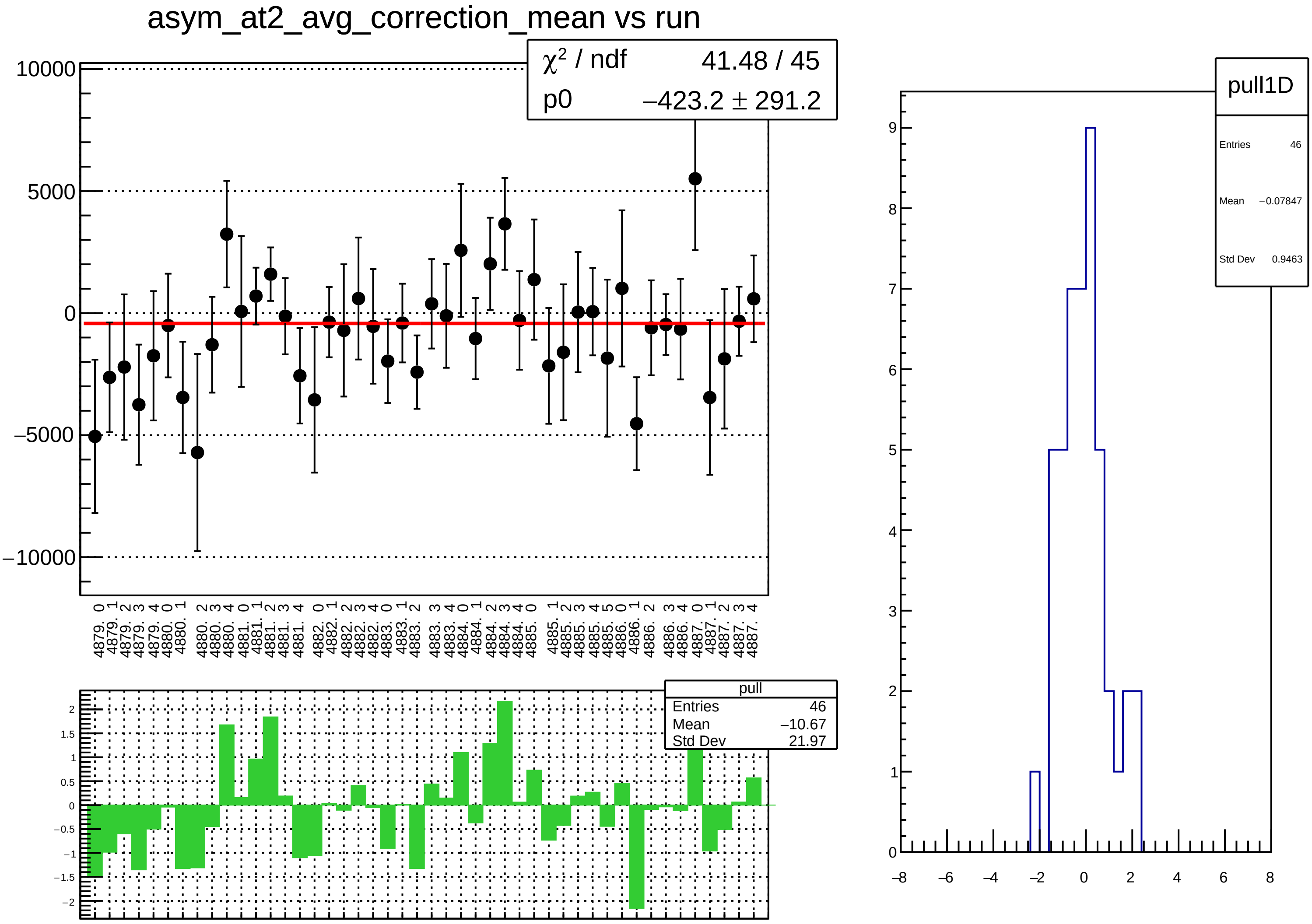

asym_at1_dd_rms vs run
χ^2 / ndf 63.21 / 45
p0 5832 ± 6.228
6000
5950
5900
5850
5800
5750
5700
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

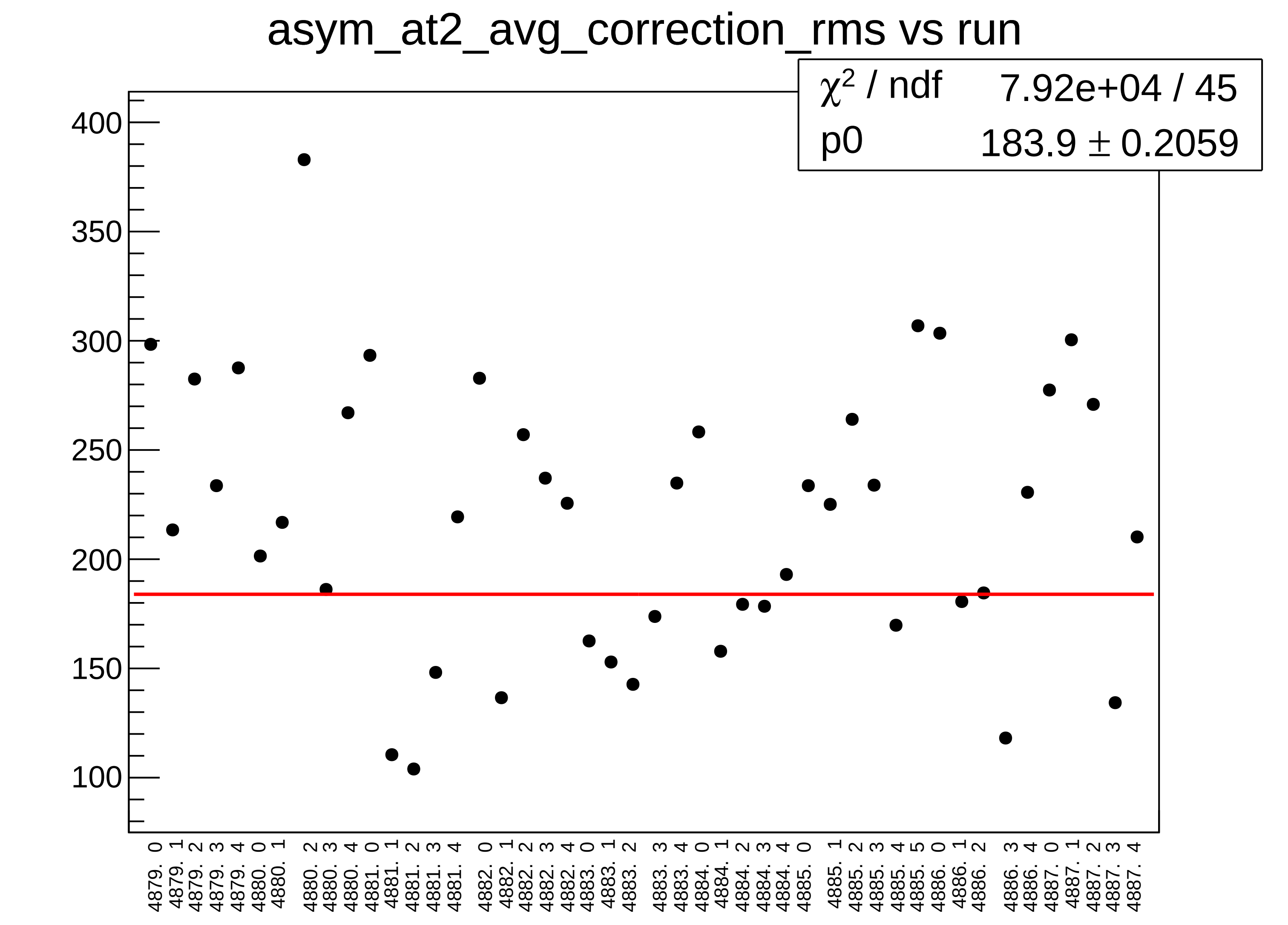
reg_asym_at2_avg_mean vs run



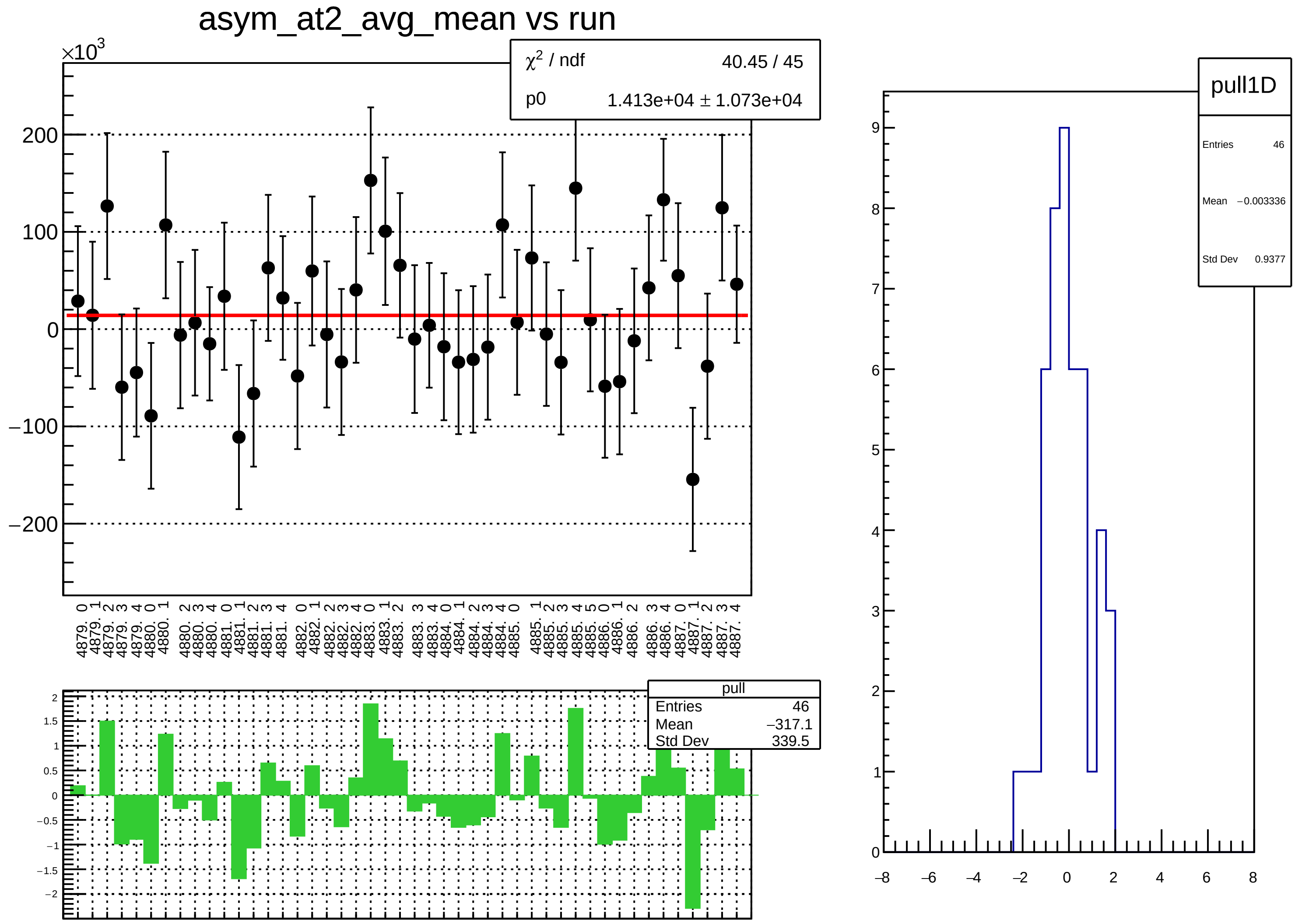


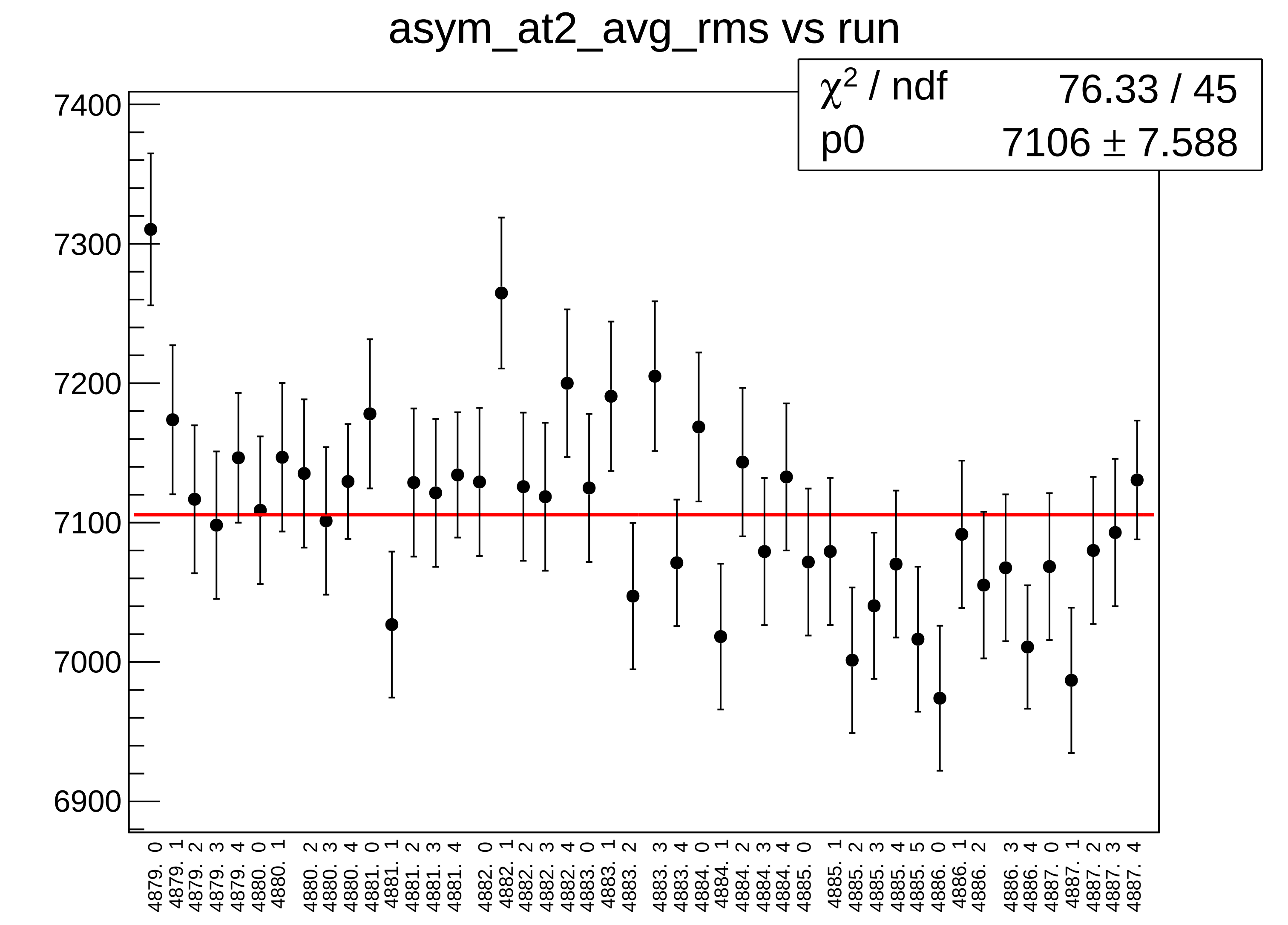
reg_asym_at2_avg_rms vs run
χ^2 / ndf 76.72 / 45
p0 7102 ± 7.584
7400
7300
7200
7100
7000
6900
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_at2_avg_correction_mean vs run
χ^2 / ndf 41.48 / 45
p0 −423.2 ± 291.2
10000
5000
0
−5000
−10000
pull
Entries 46
Mean −10.67
Std Dev 21.97
pull1D
Entries 46
Mean −0.07847
Std Dev 0.9463

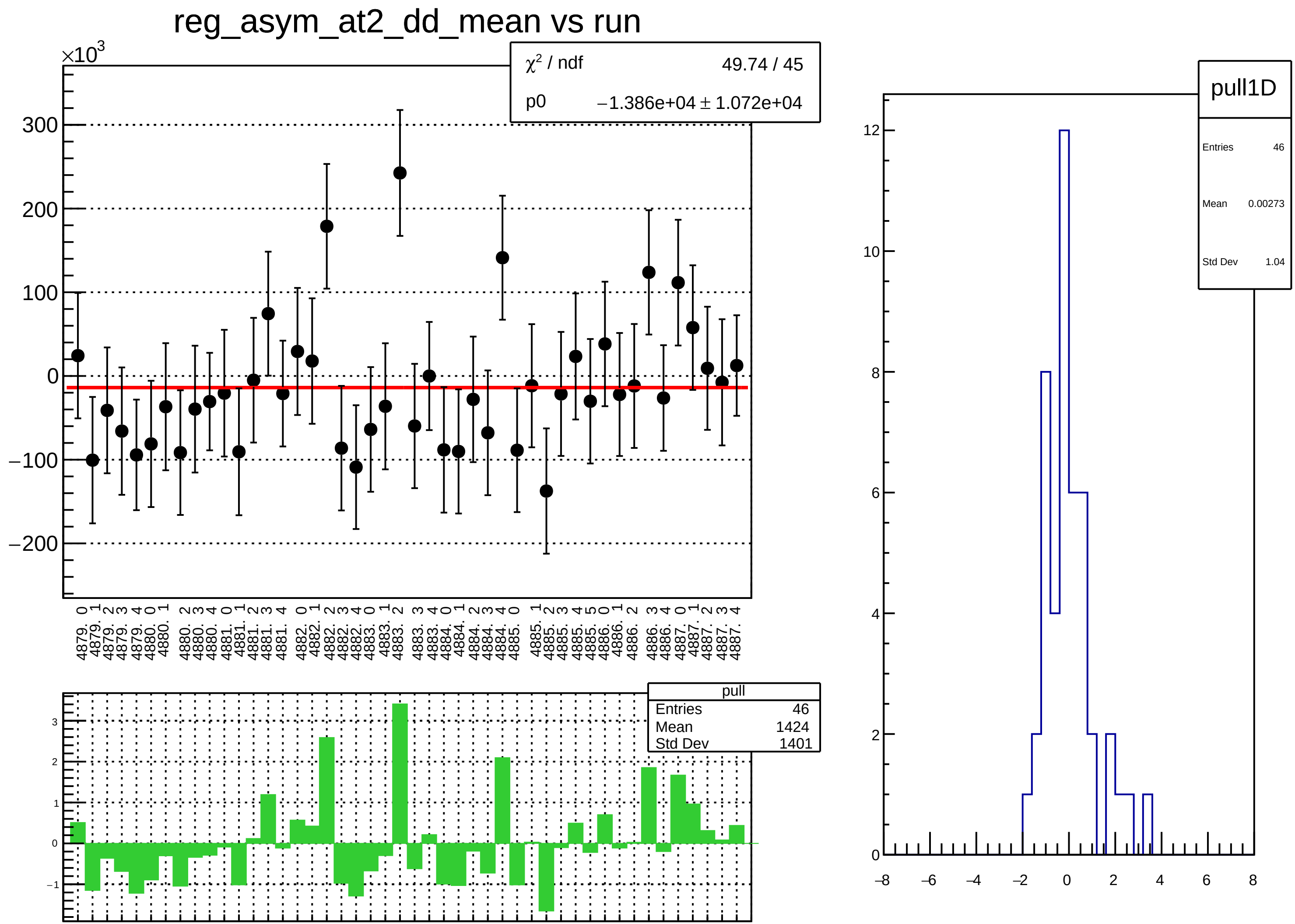


asym_at2_avg_correction_rms vs run
χ2 / ndf 7.92e+04 / 45
p0 183.9 ± 0.2059
400
350
300
250
200
150
100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

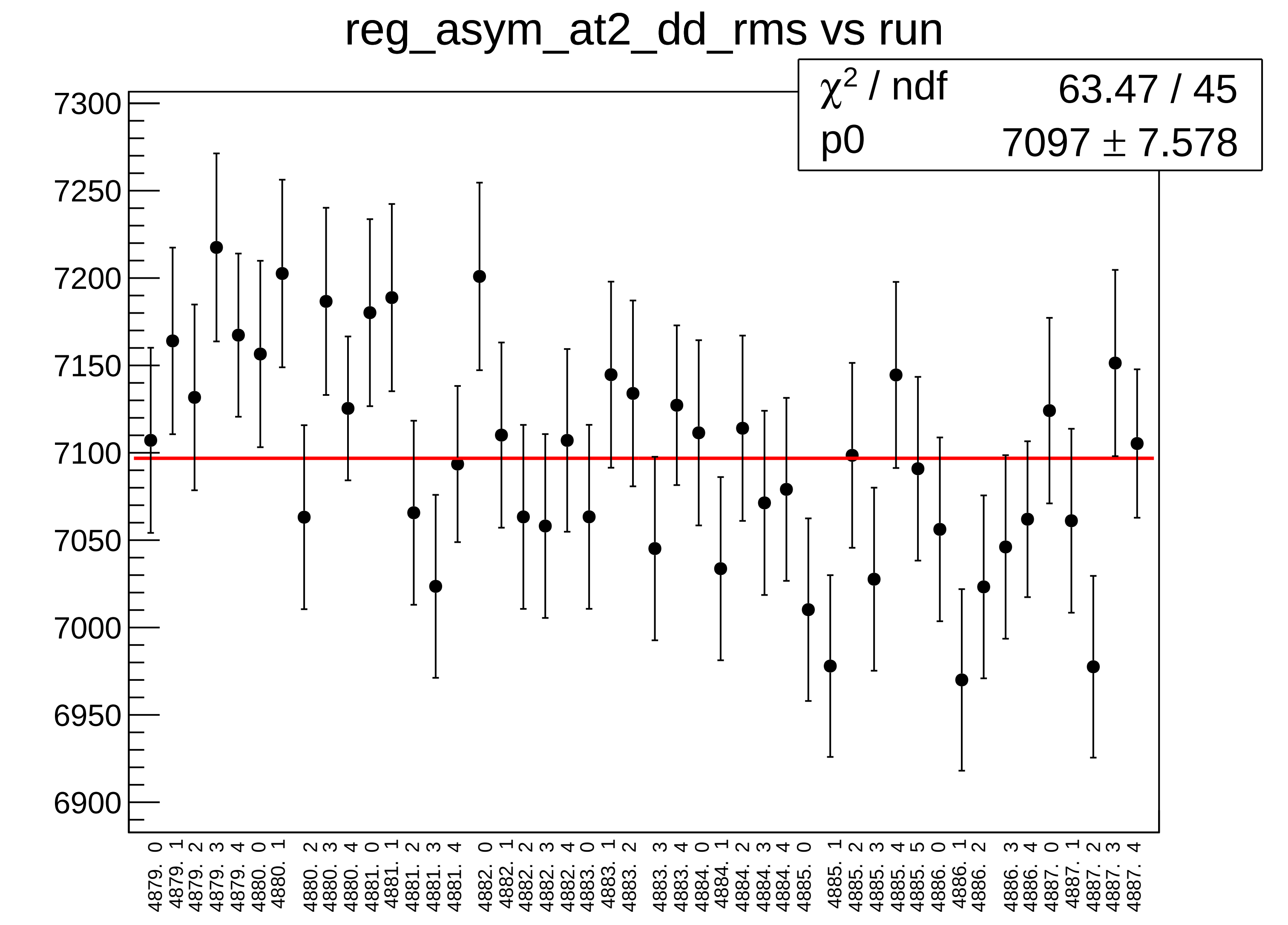

asym_at2_avg_mean vs run
$\times10^3$
χ^2 / ndf 40.45 / 45
p0 1.413e+04 ± 1.073e+04
200
100
0
−100
−200
pull
Entries 46
Mean −317.1
Std Dev 339.5
pull1D
Entries 46
Mean −0.003336
Std Dev 0.9377



asym_at2_avg_rms vs run
χ^2 / ndf 76.33 / 45
p0 7106 ± 7.588
7400
7300
7200
7100
7000
6900
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_at2_dd_mean vs run
×10^3
χ2 / ndf 49.74 / 45
p0 −1.386e+04 ± 1.072e+04
pull
Entries 46
Mean 1424
Std Dev 1401
pull1D
Entries 46
Mean 0.00273
Std Dev 1.04


reg_asym_at2_dd_rms vs run
χ^2 / ndf 63.47 / 45
p0 7097 ± 7.578
7300
7250
7200
7150
7100
7050
7000
6950
6900
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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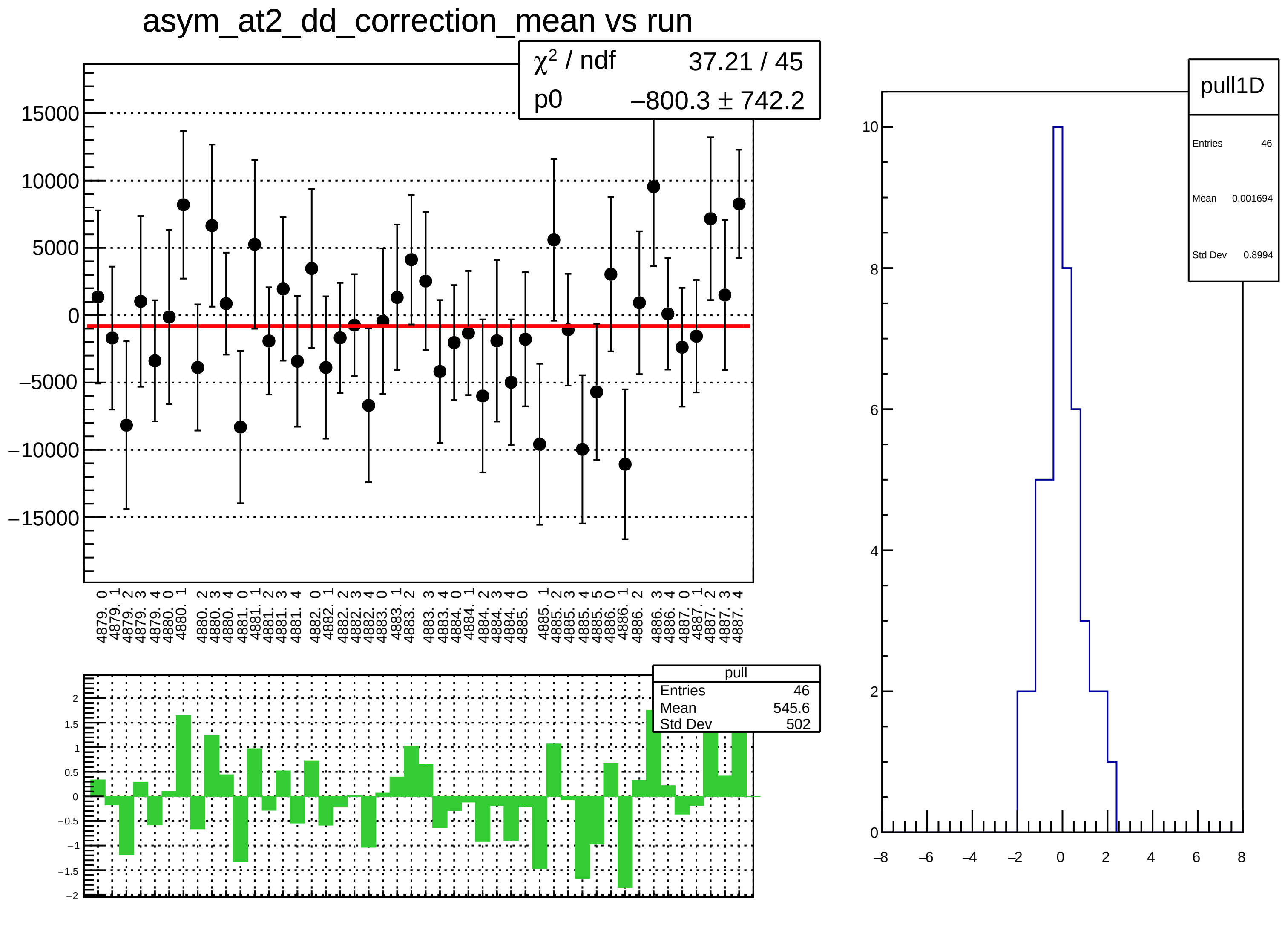
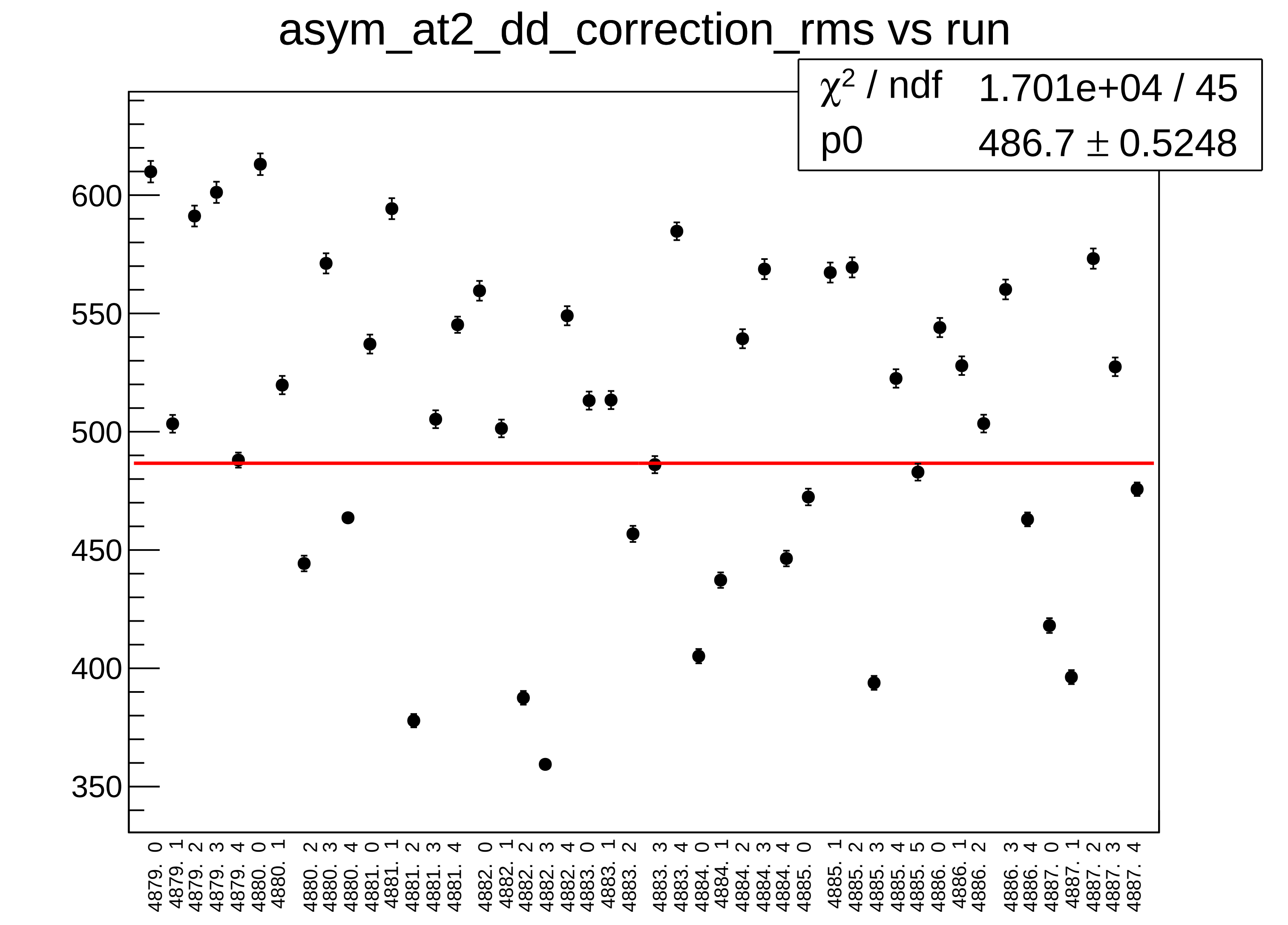
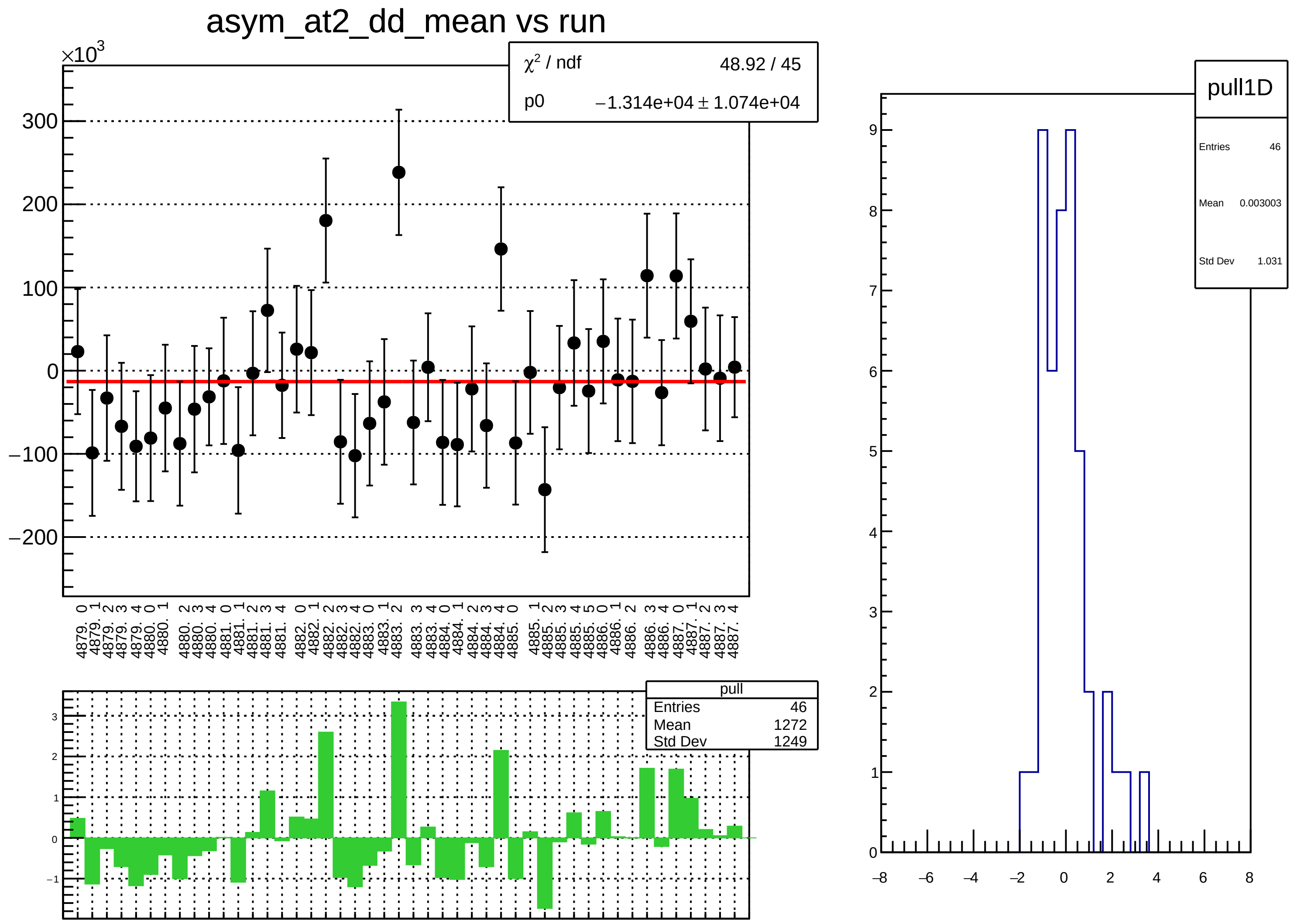
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

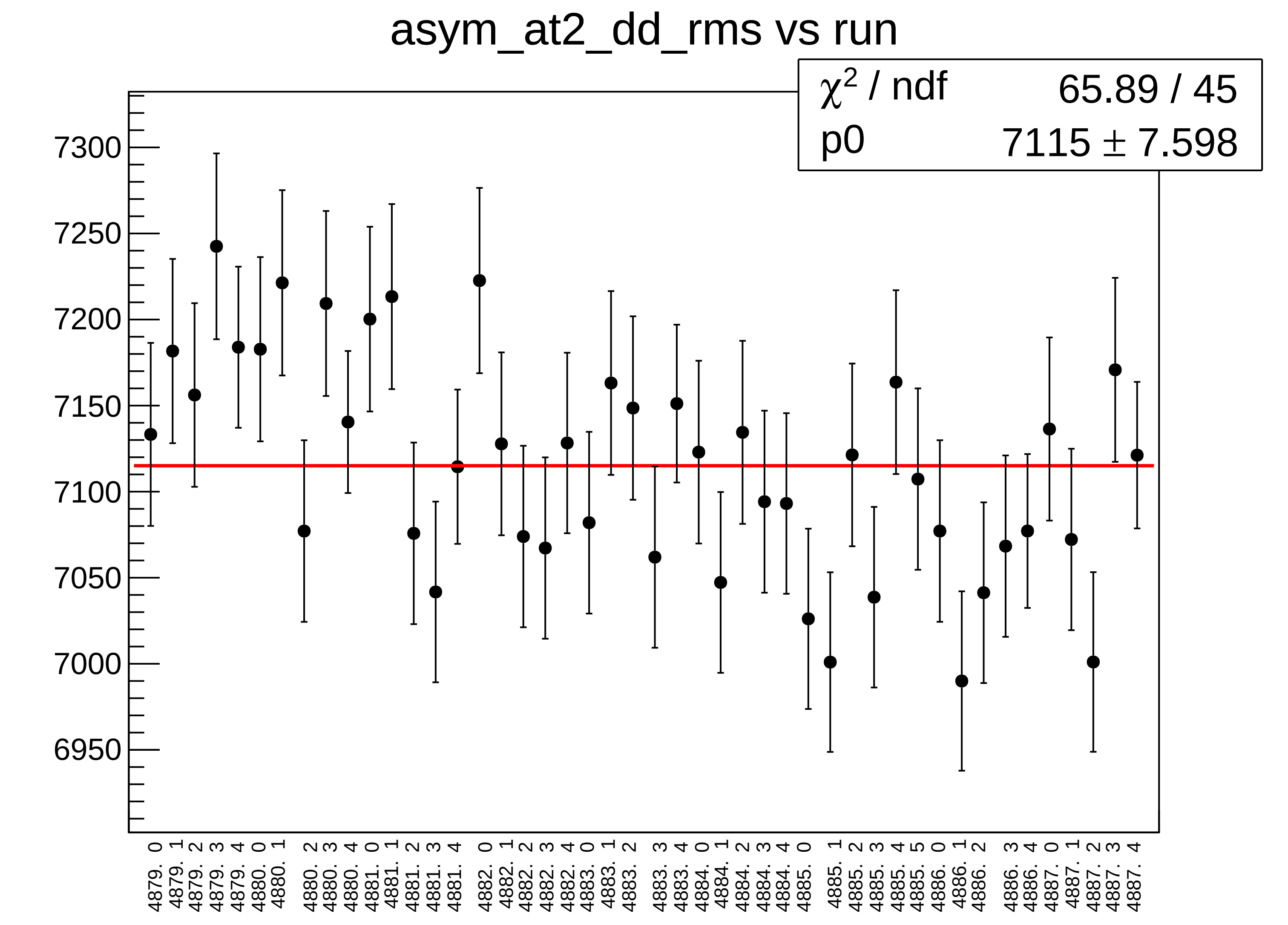


asym_at2_dd_correction_mean vs run
χ^2 / ndf 37.21 / 45
p0 −800.3 ± 742.2
pull
Entries 46
Mean 545.6
Std Dev 502
pull1D
Entries 46
Mean 0.001694
Std Dev 0.8994

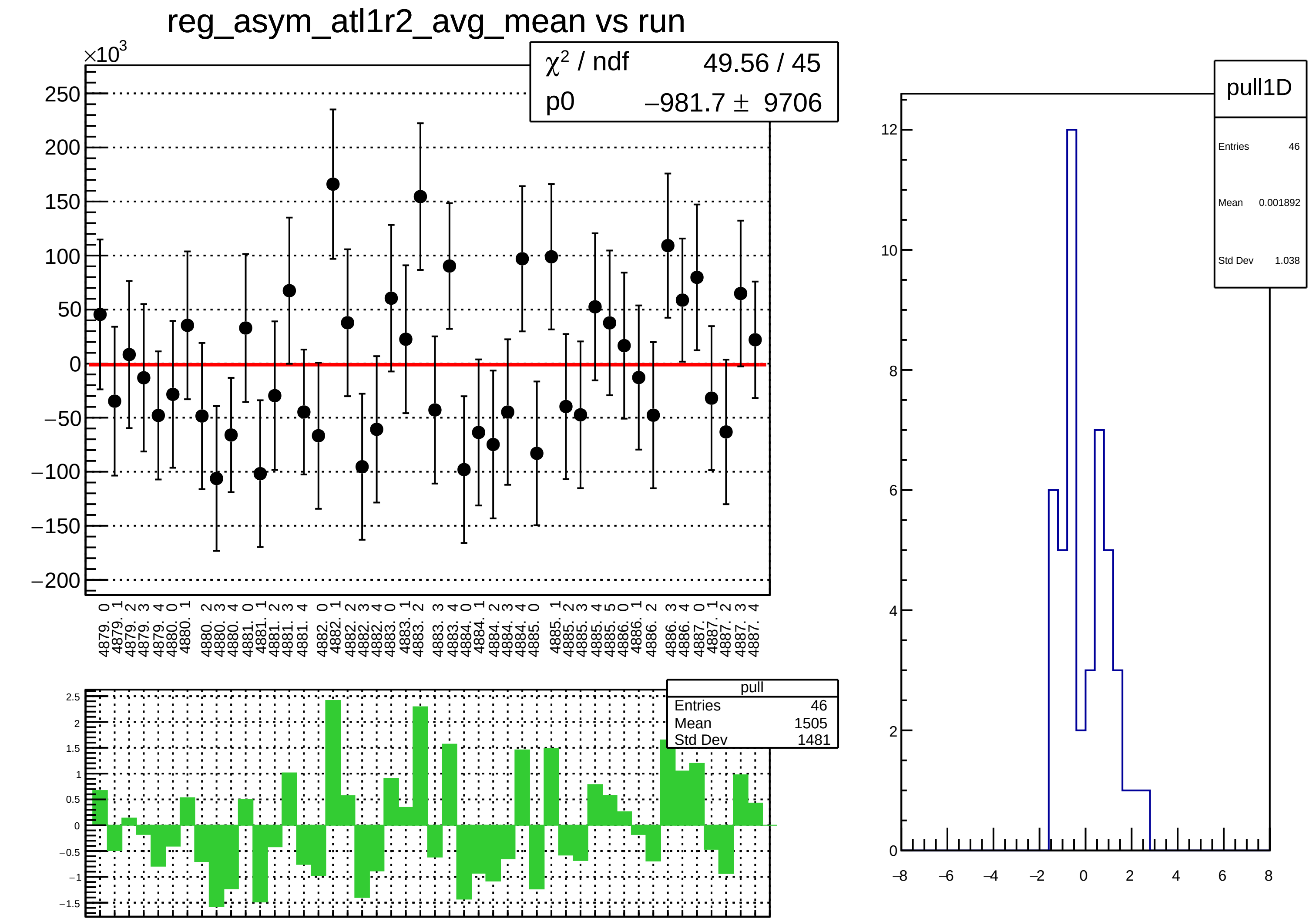


asym_at2_dd_correction_rms vs run
χ^2 / ndf 1.701e+04 / 45
p0 486.7 ± 0.5248
600
550
500
450
400
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

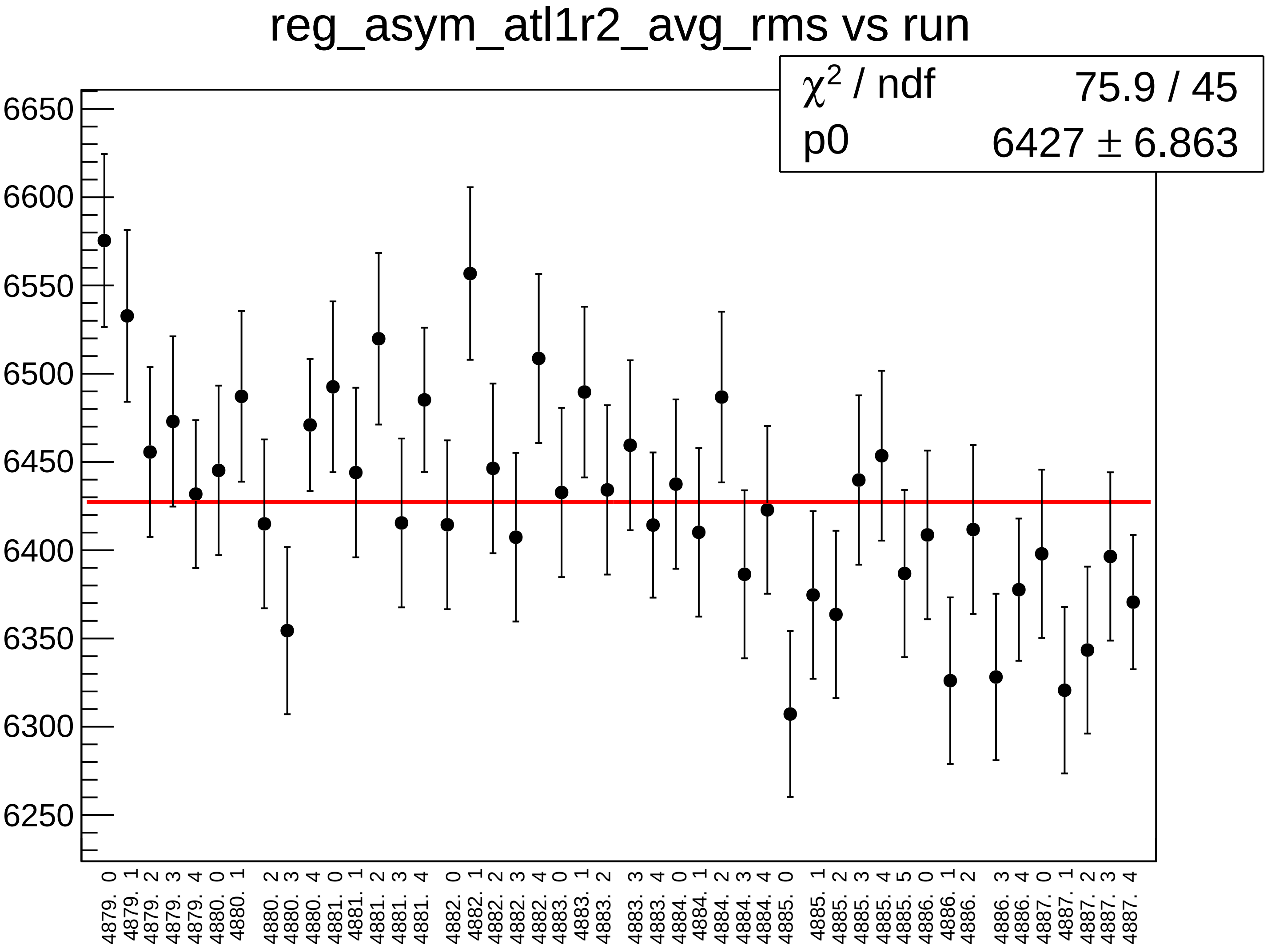

asym_at2_dd_mean vs run
×10^3
χ2 / ndf 48.92 / 45
p0 −1.314e+04 ± 1.074e+04
pull
Entries 46
Mean 1272
Std Dev 1249
pull1D
Entries 46
Mean 0.003003
Std Dev 1.031



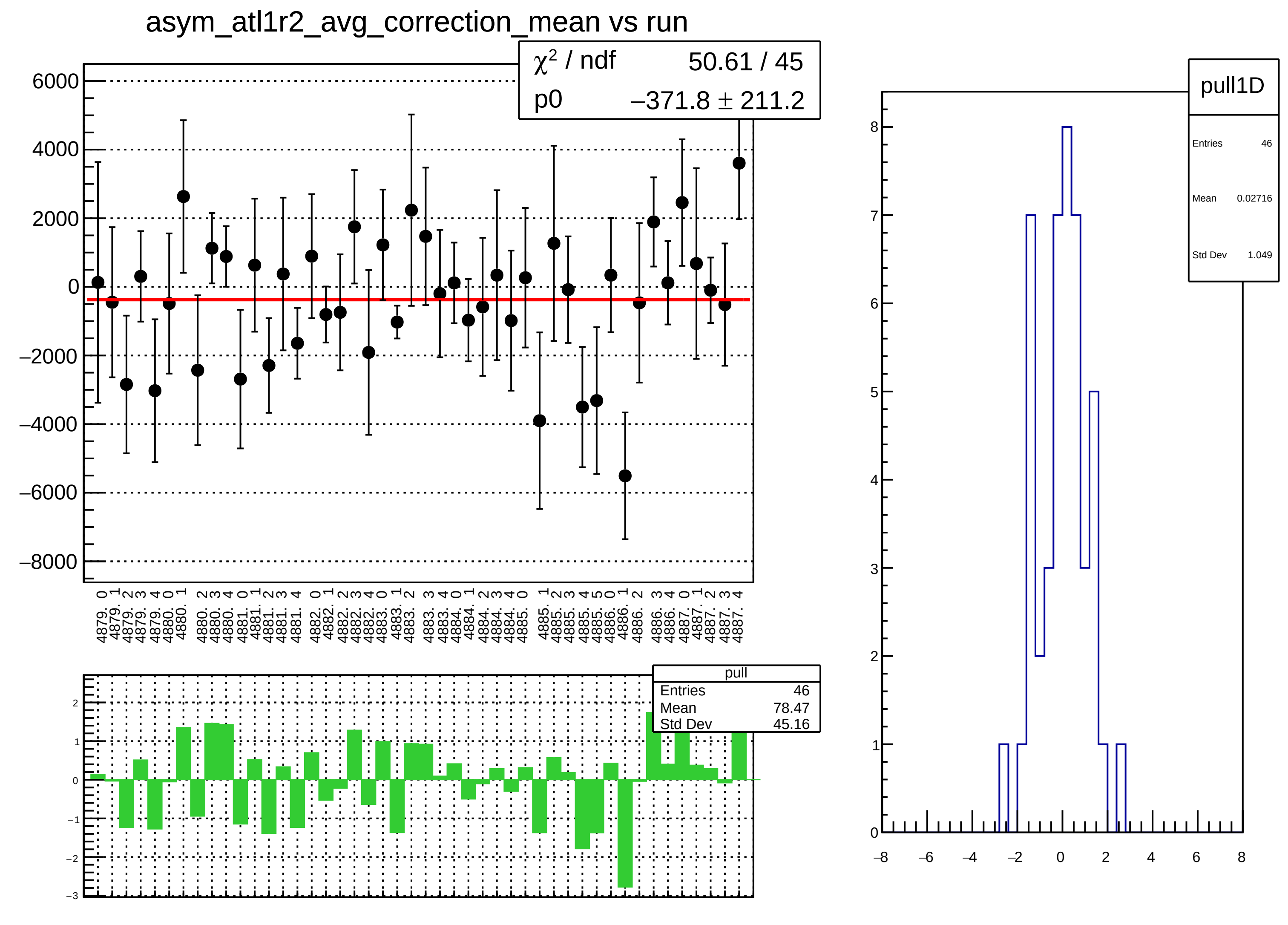
asym_at2_dd_rms vs run
χ^2 / ndf 65.89 / 45
p0 7115 ± 7.598
7300
7250
7200
7150
7100
7050
7000
6950
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



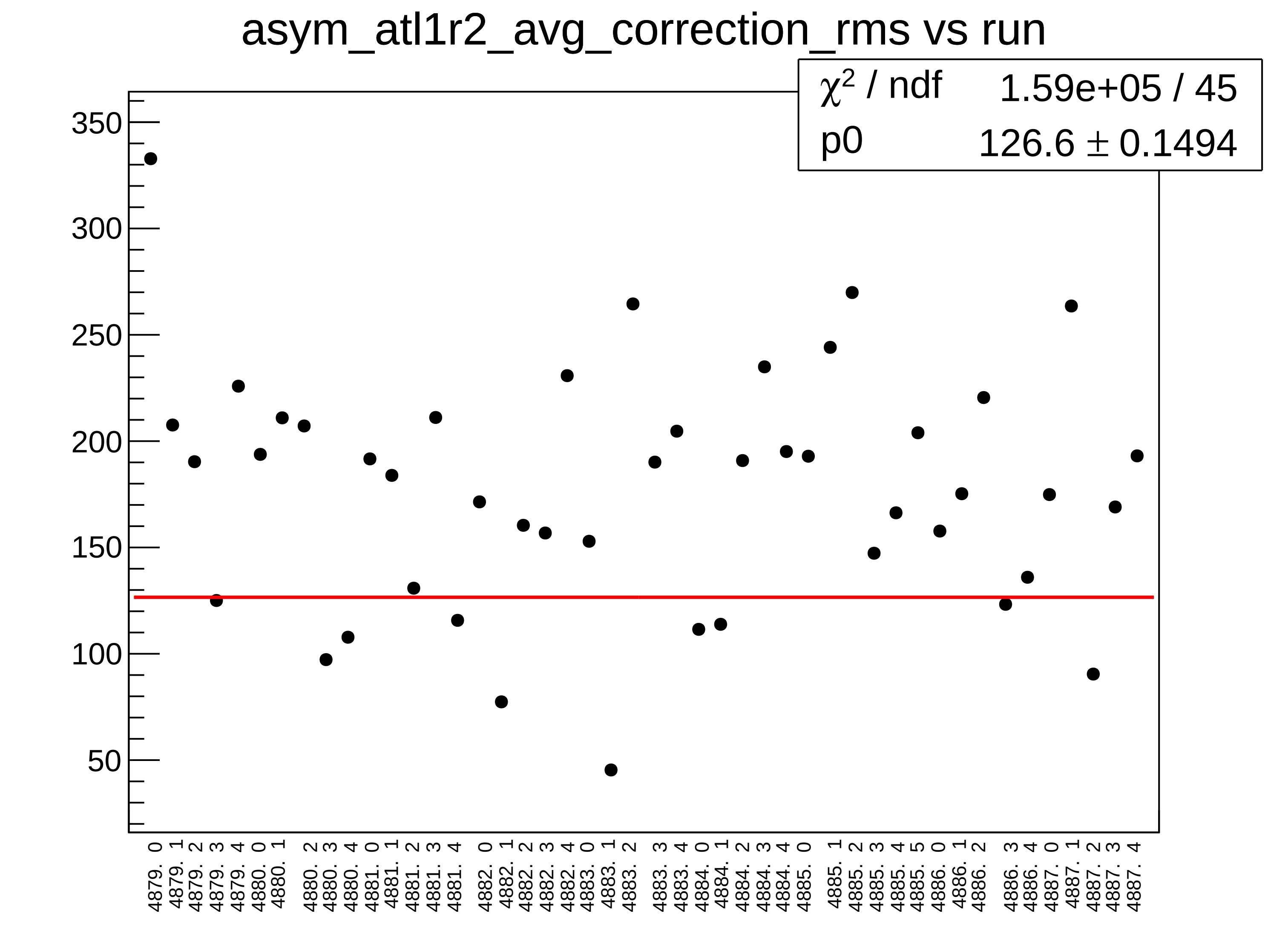
reg_asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 49.56 / 45
p0 −981.7 ± 9706
pull
Entries 46
Mean 1505
Std Dev 1481
pull1D
Entries 46
Mean 0.001892
Std Dev 1.038



reg_asym_atl1r2_avg_rms vs run
χ2 / ndf 75.9 / 45
p0 6427 ± 6.863
6650
6600
6550
6500
6450
6400
6350
6300
6250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_atl1r2_avg_correction_mean vs run
χ2 / ndf 50.61 / 45
p0 −371.8 ± 211.2
pull
Entries 46
Mean 78.47
Std Dev 45.16
pull1D
Entries 46
Mean 0.02716
Std Dev 1.049


asym_atl1r2_avg_correction_rms vs run
χ2 / ndf 1.59e+05 / 45
p0 126.6 ± 0.1494
350
300
250
200
150
100
50
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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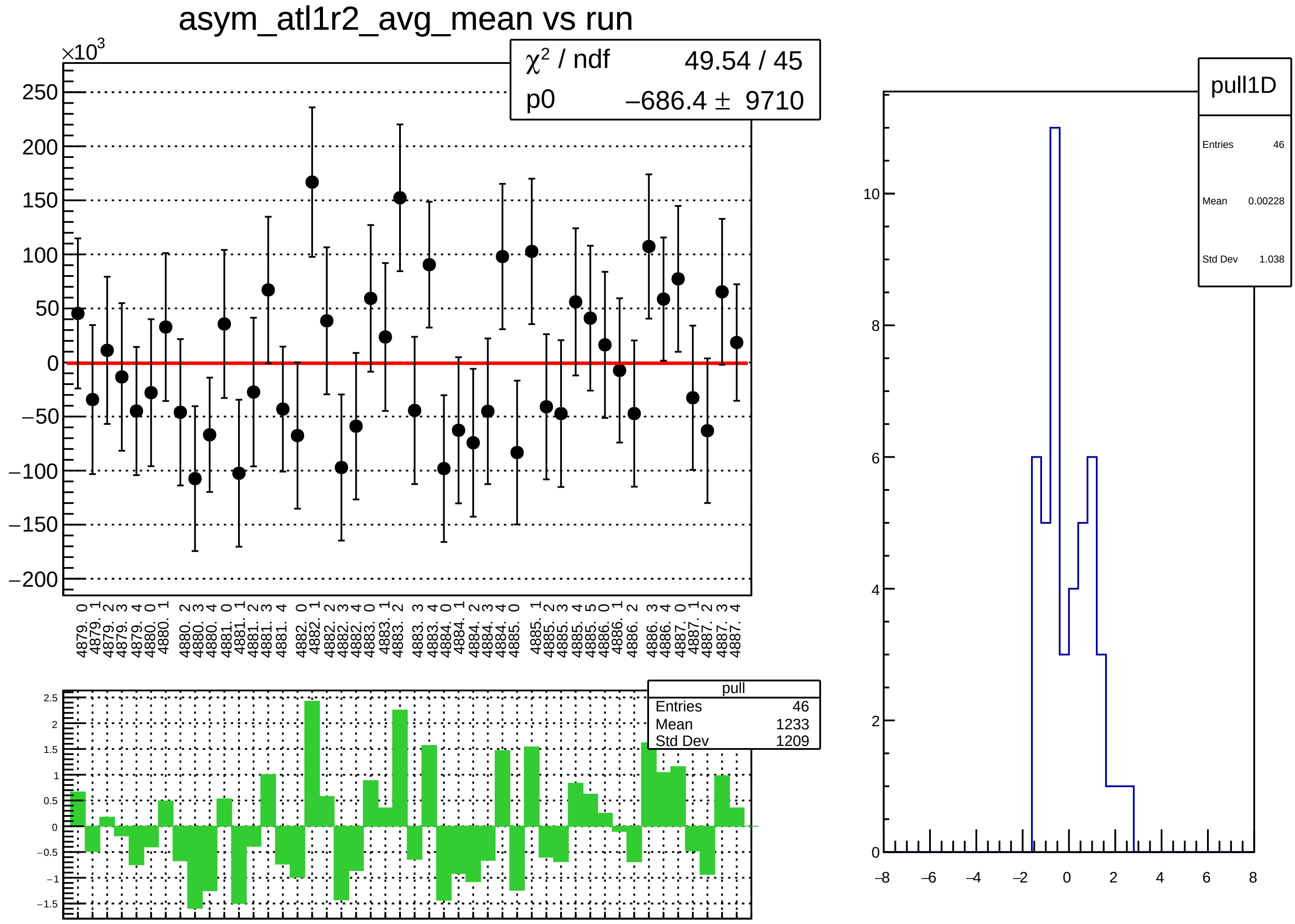
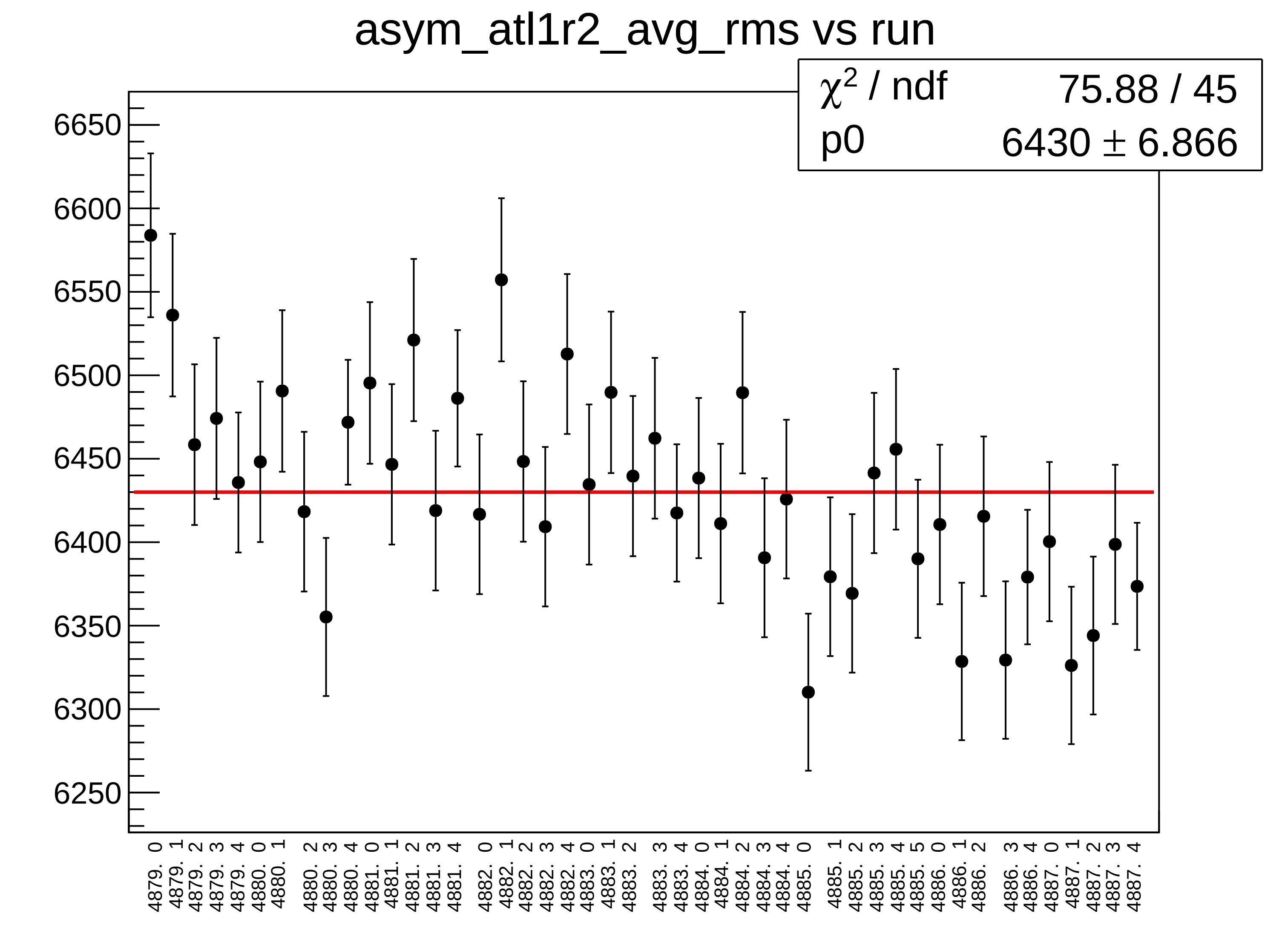
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_atl1r2_avg_mean vs run
×10^3
χ2 / ndf 49.54 / 45
p0 −686.4 ± 9710
pull
Entries 46
Mean 1233
Std Dev 1209
pull1D
Entries 46
Mean 0.00228
Std Dev 1.038


asym_atl1r2_avg_rms vs run
χ2 / ndf 75.88 / 45
p0 6430 ± 6.866
6650
6600
6550
6500
6450
6400
6350
6300
6250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
4887. 0
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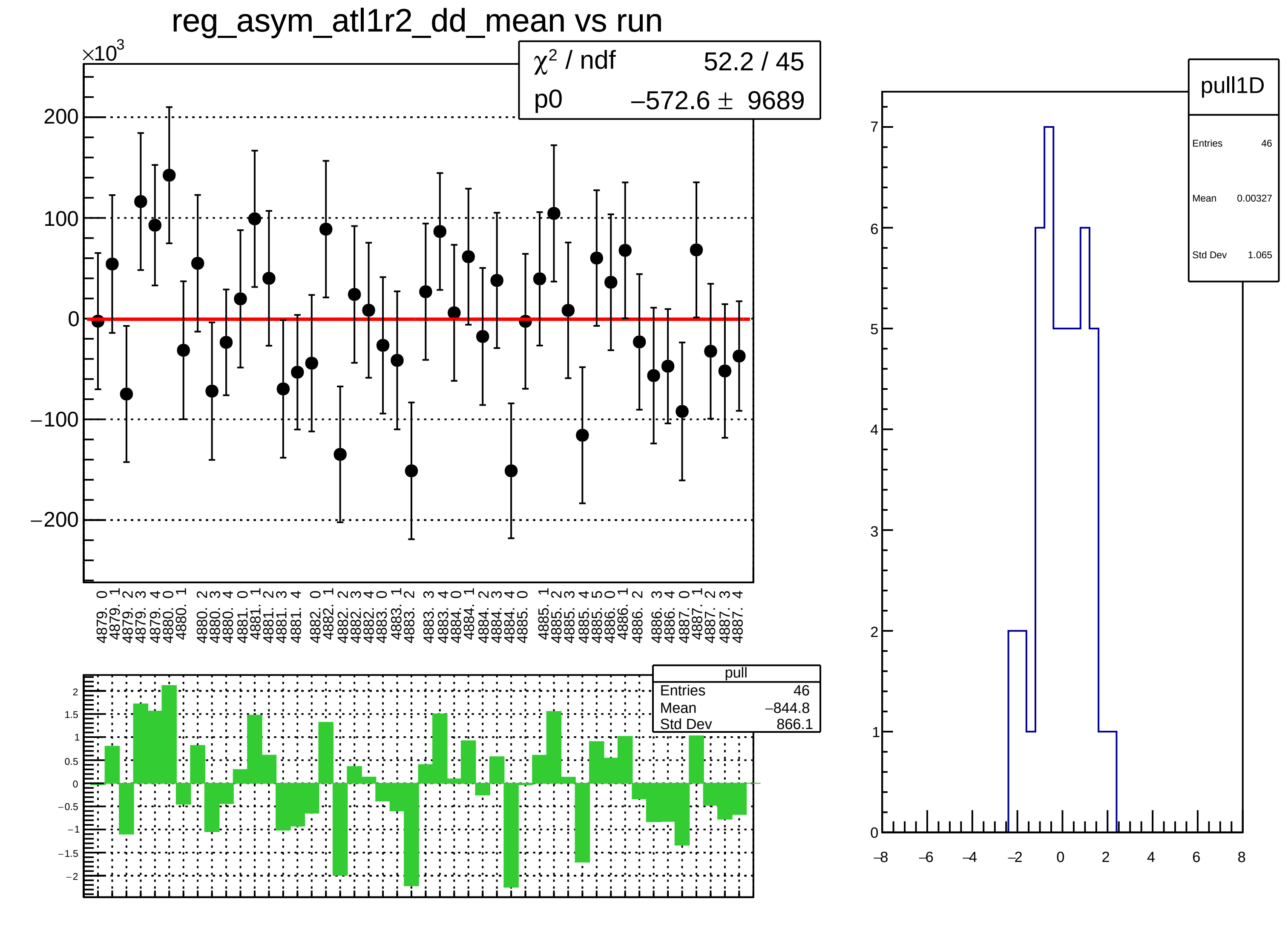
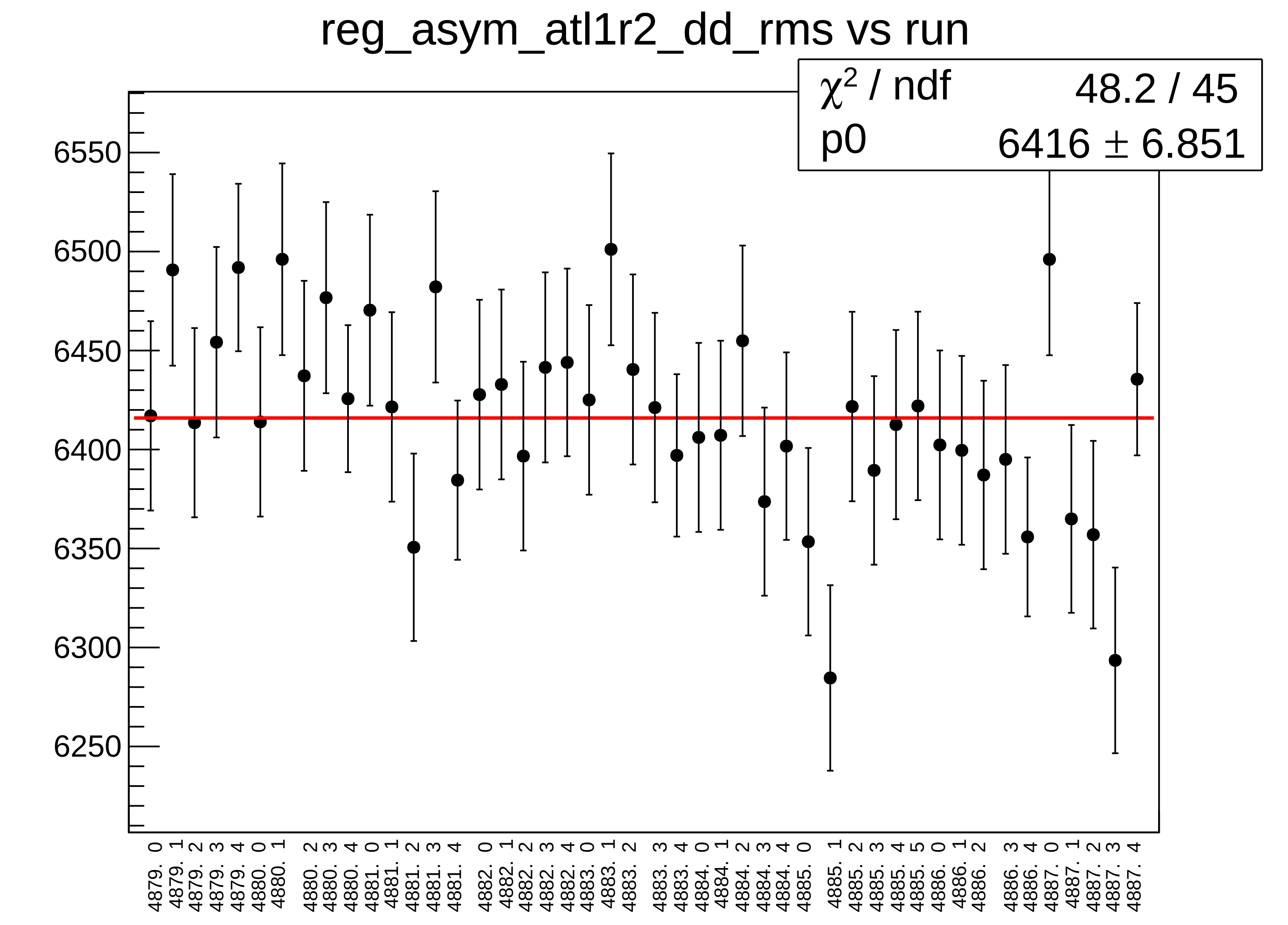
4887. 2
4887. 3
4887. 4


reg_asym_atl1r2_dd_mean vs run
χ^2 / ndf 52.2 / 45
p0 −572.6 ± 9689
pull
Entries 46
Mean −844.8
Std Dev 866.1
pull1D
Entries 46
Mean 0.00327
Std Dev 1.065



reg_asym_atl1r2_dd_rms vs run
χ^2 / ndf 48.2 / 45
p0 6416 ± 6.851
6550
6500
6450
6400
6350
6300
6250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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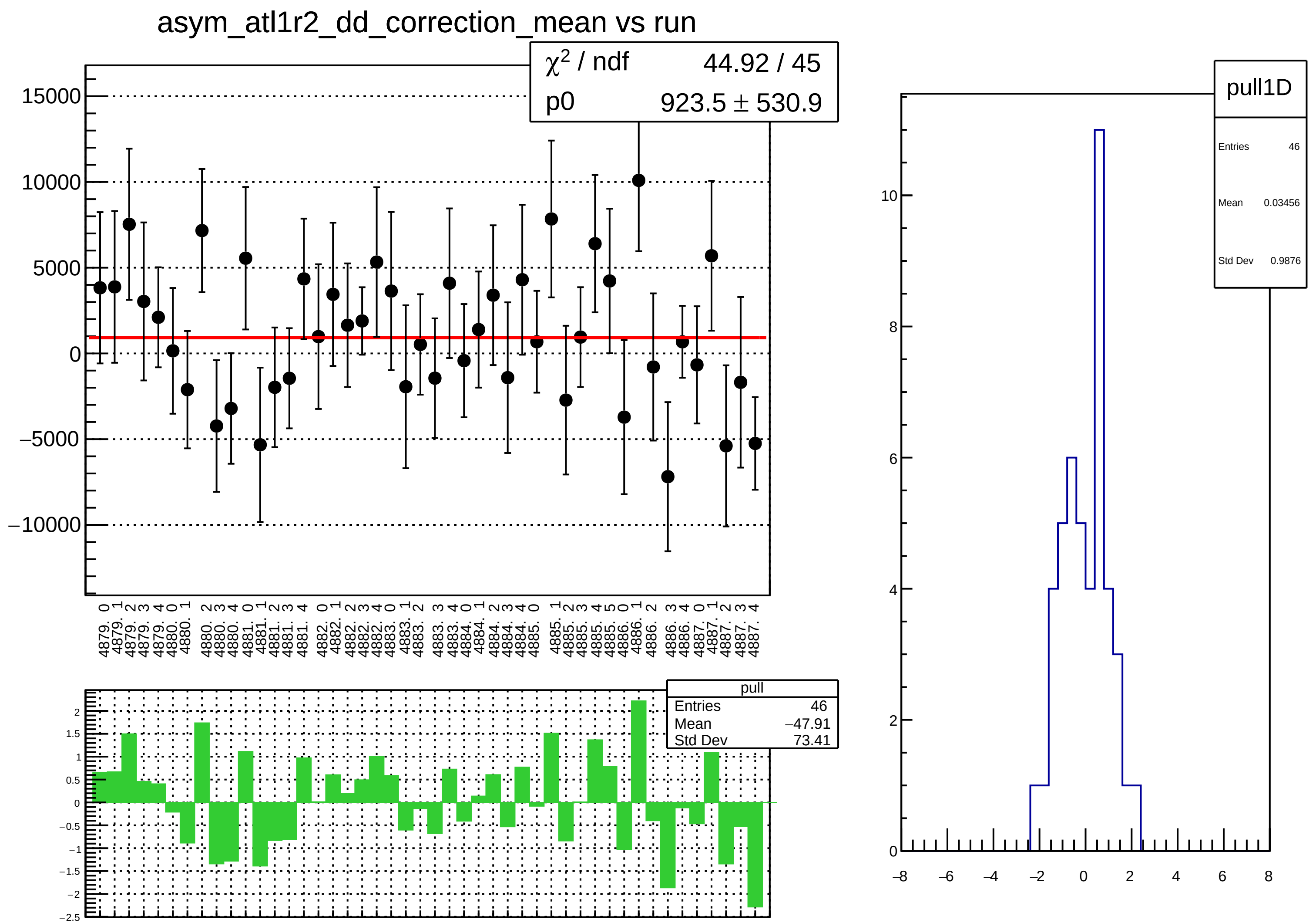
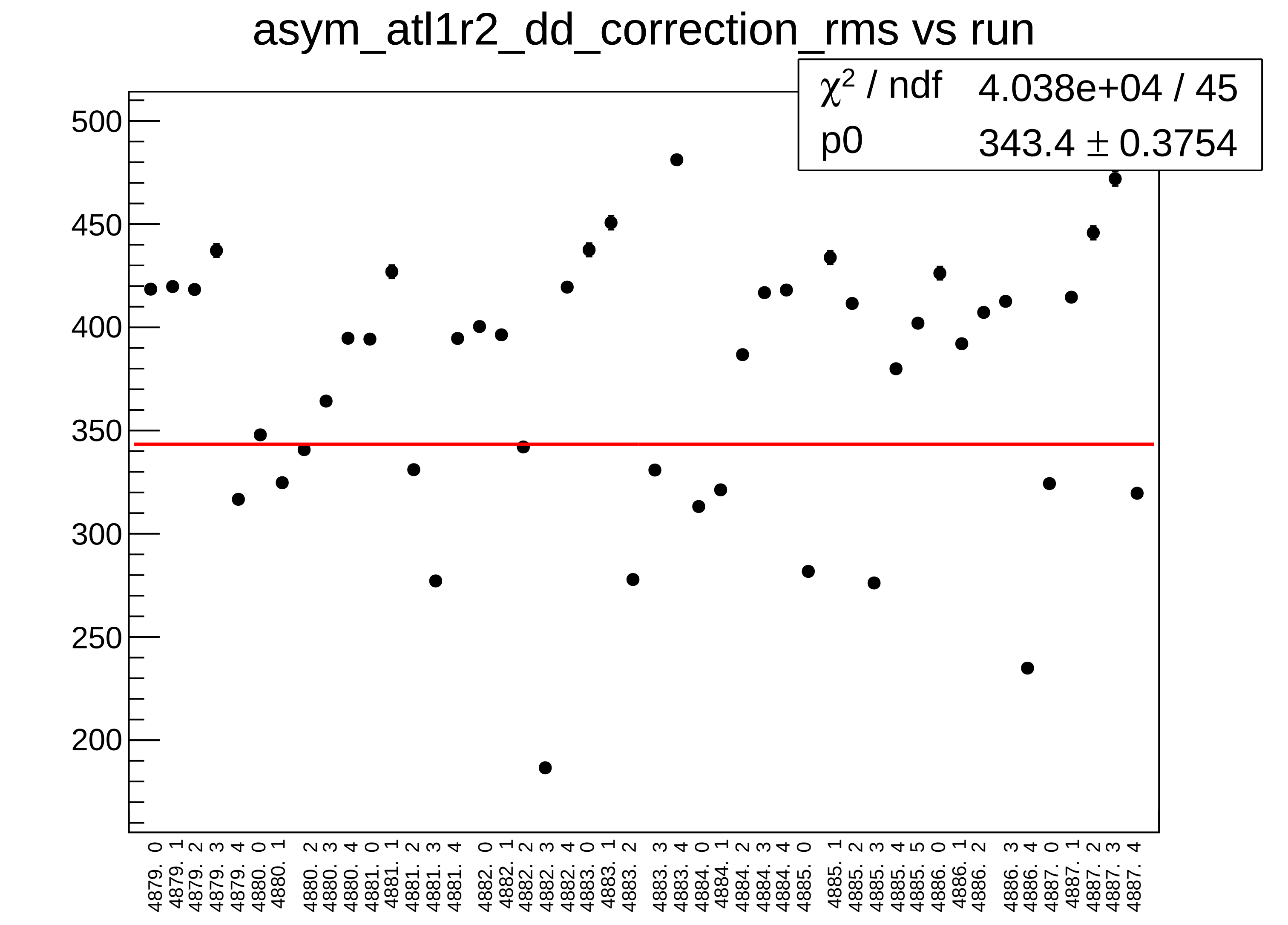
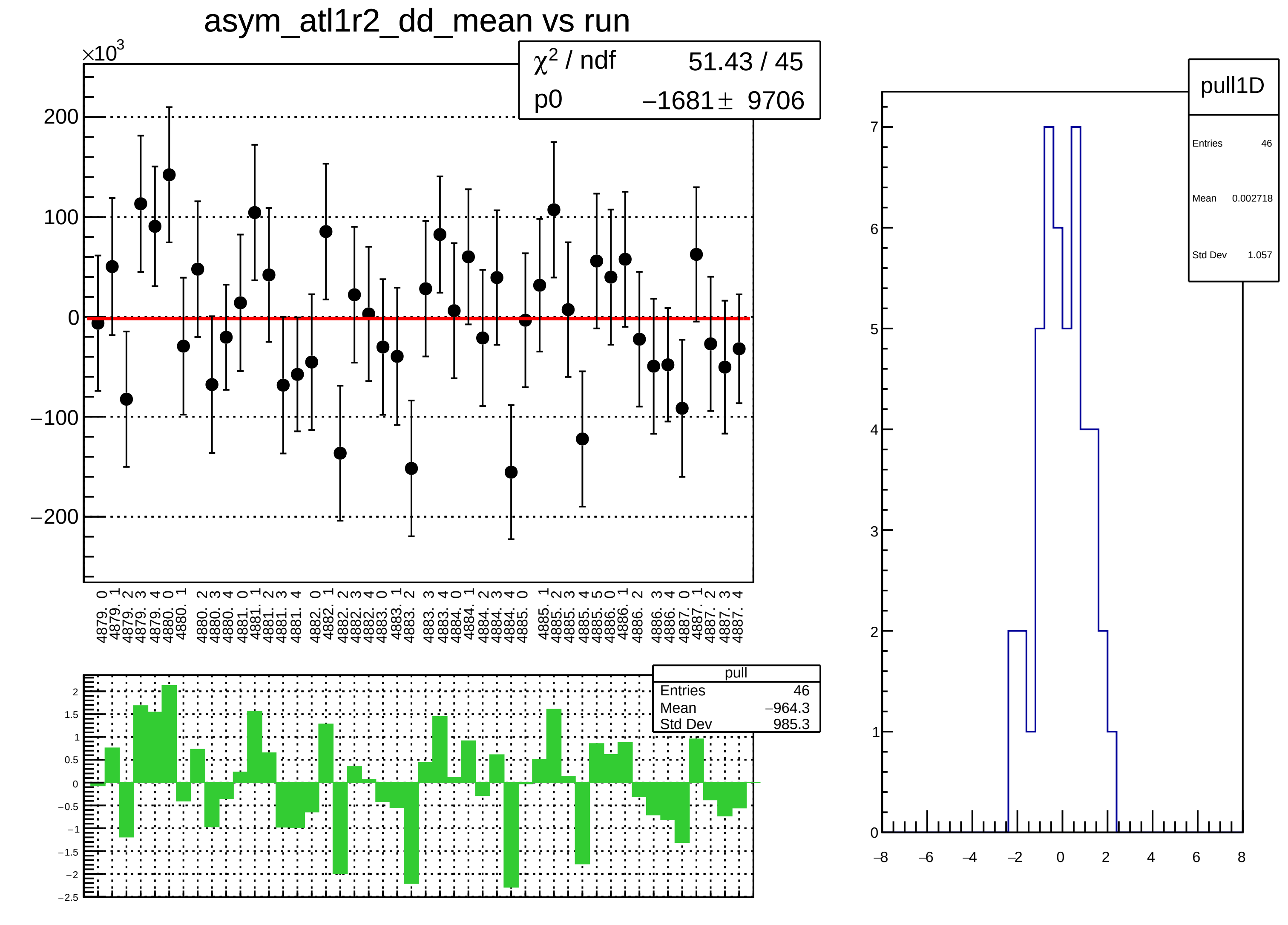
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

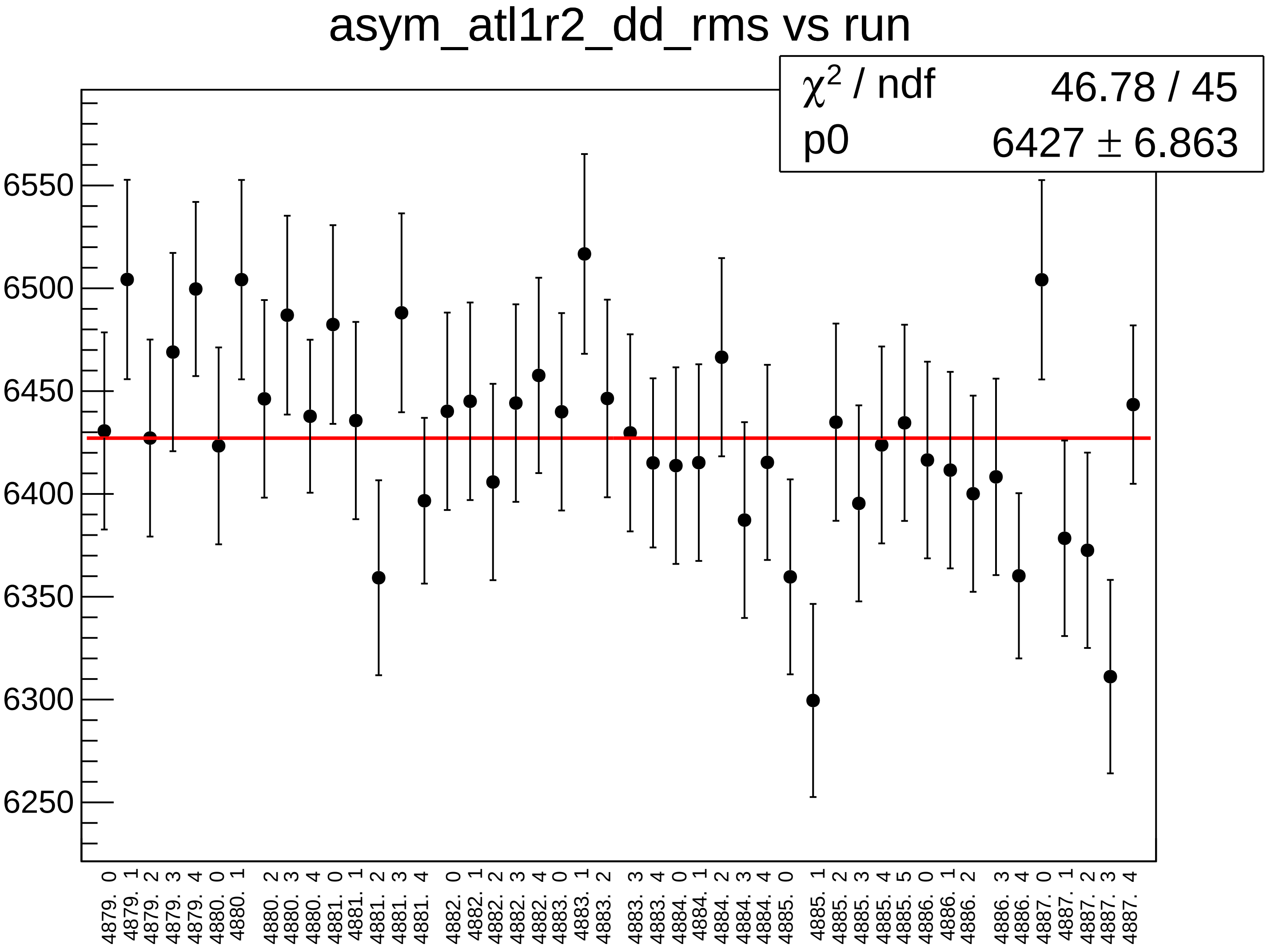

asym_atl1r2_dd_correction_mean vs run
χ^2 / ndf 44.92 / 45
p0 923.5 ± 530.9
pull
Entries 46
Mean −47.91
Std Dev 73.41
pull1D
Entries 46
Mean 0.03456
Std Dev 0.9876



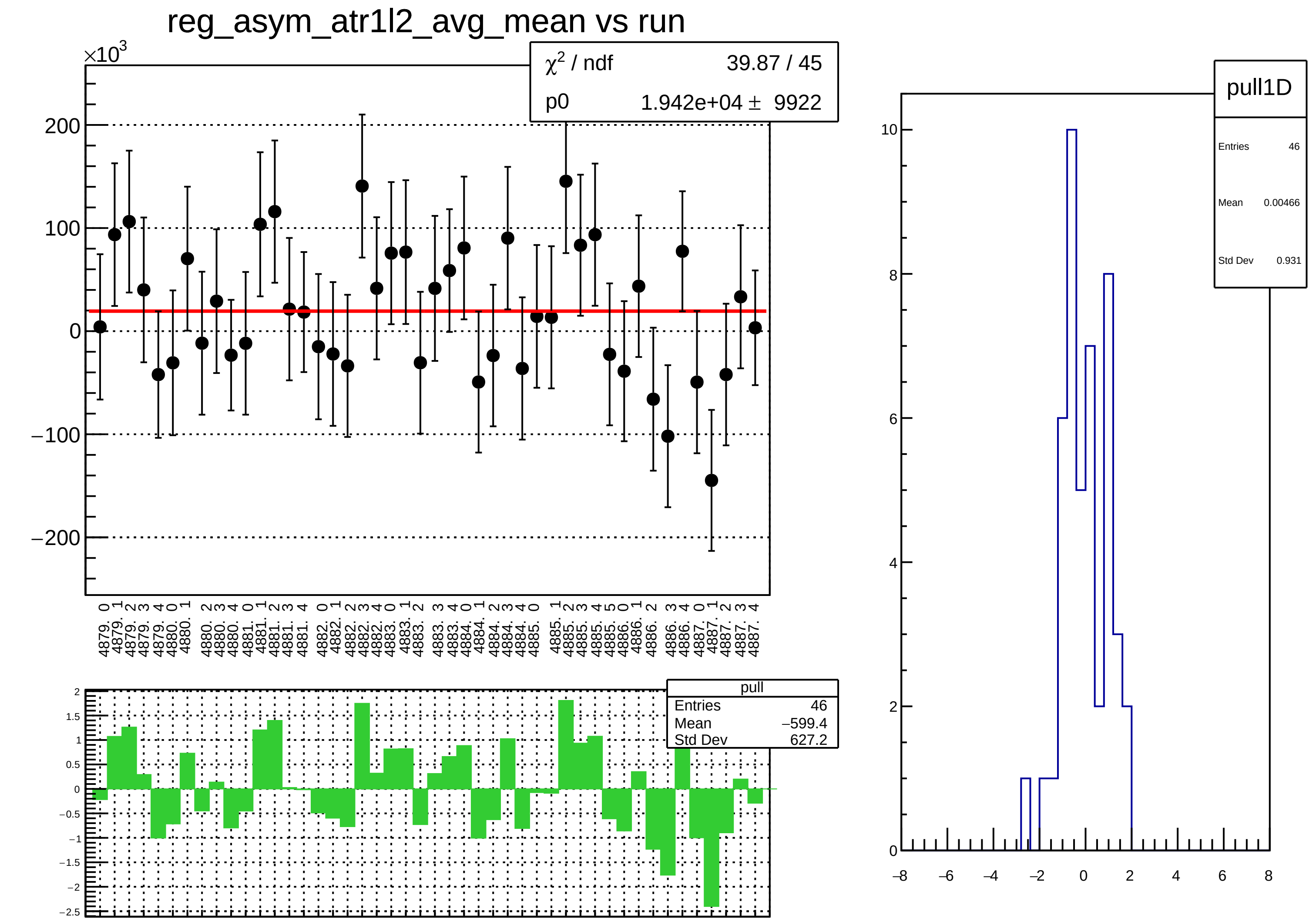
asym_atl1r2_dd_correction_rms vs run
χ^2 / ndf 4.038e+04 / 45
p0 343.4 ± 0.3754
500
450
400
350
300
250
200
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



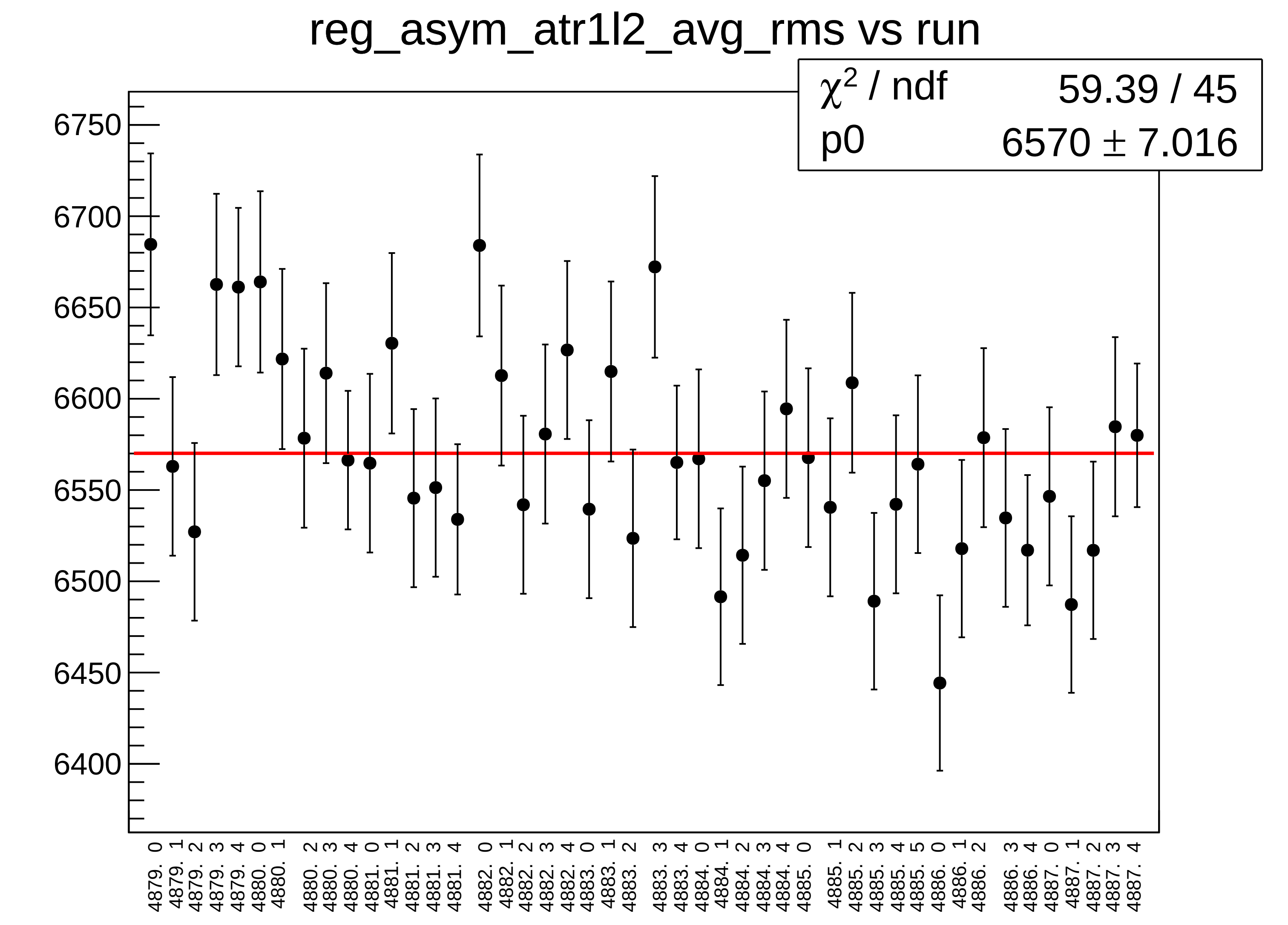
asym_atl1r2_dd_mean vs run
$\times 10^3$
χ^2 / ndf 51.43 / 45
p0 −1681 ± 9706
pull
Entries 46
Mean −964.3
Std Dev 985.3
pull1D
Entries 46
Mean 0.002718
Std Dev 1.057



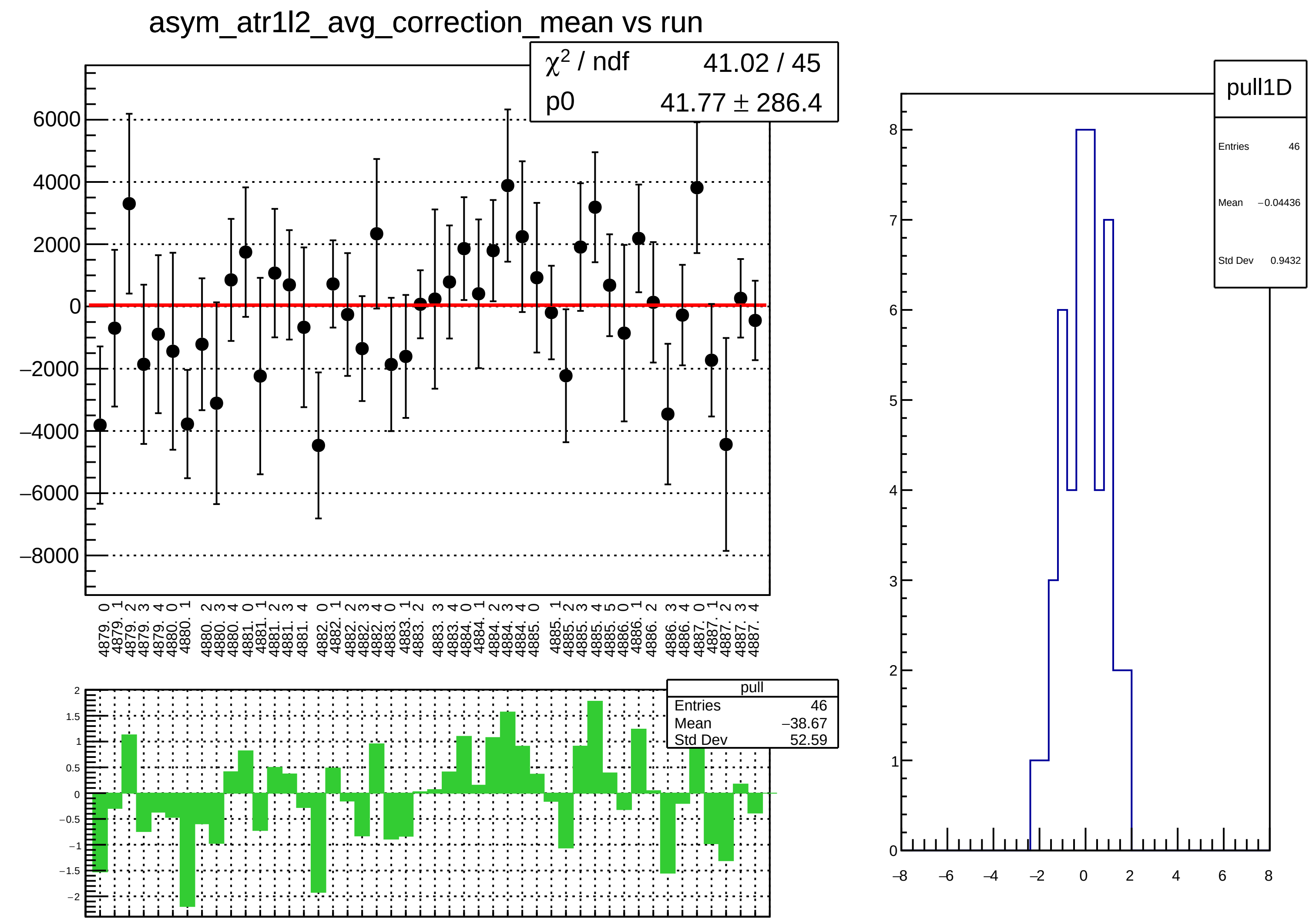
asym_atl1r2_dd_rms vs run
χ^2 / ndf 46.78 / 45
p0 6427 ± 6.863
6550
6500
6450
6400
6350
6300
6250
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



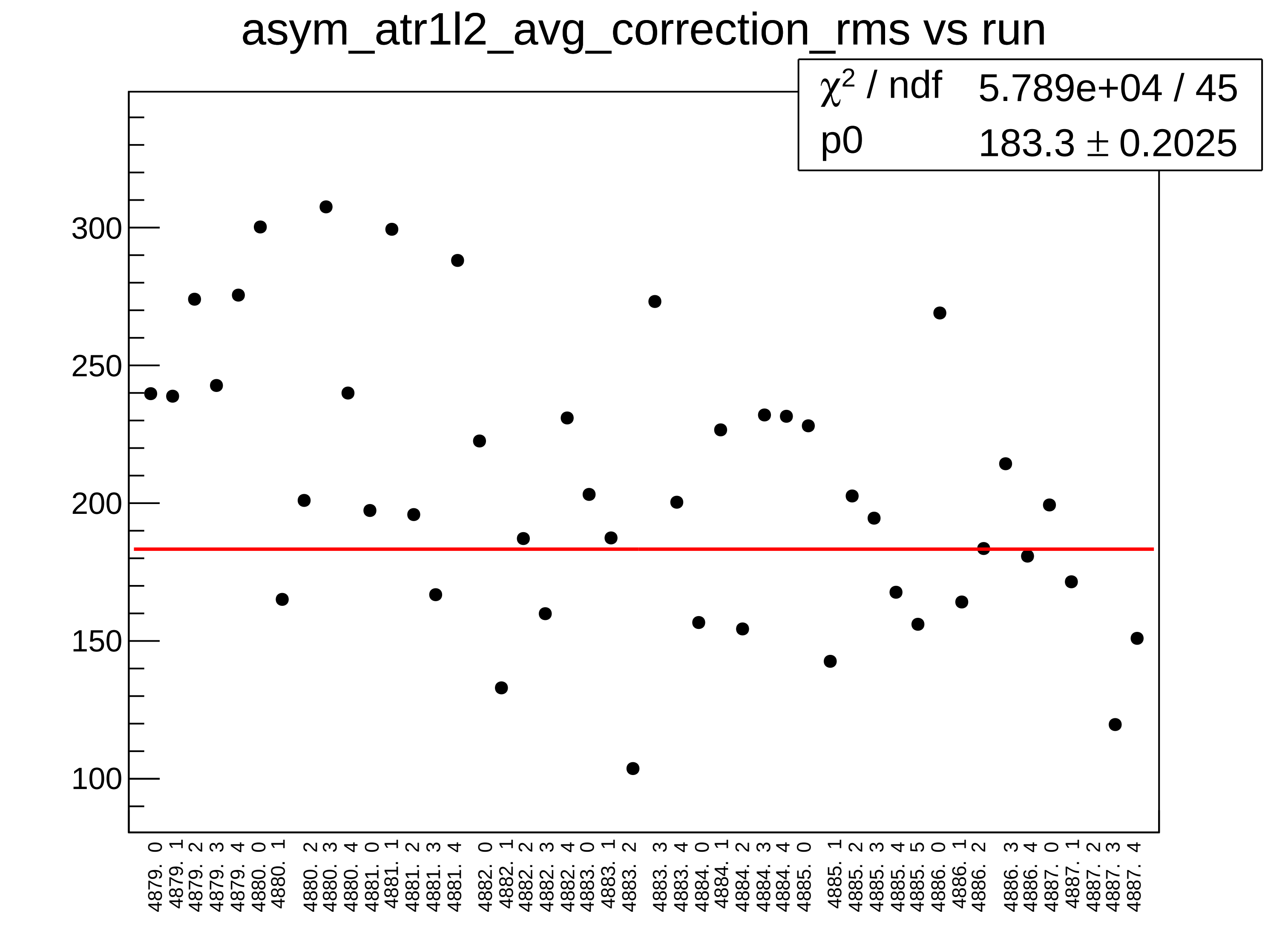
reg_asym_atr1l2_avg_mean vs run
×10^3
χ2 / ndf 39.87 / 45
p0 1.942e+04 ± 9922
200
100
0
−100
−200
pull
Entries 46
Mean −599.4
Std Dev 627.2
pull1D
Entries 46
Mean 0.00466
Std Dev 0.931



reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 59.39 / 45
p0 6570 ± 7.016
6750
6700
6650
6600
6550
6500
6450
6400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_atr1l2_avg_correction_mean vs run
χ^2 / ndf 41.02 / 45
p0 41.77 ± 286.4
pull
Entries 46
Mean −38.67
Std Dev 52.59
pull1D
Entries 46
Mean −0.04436
Std Dev 0.9432



asym_atr1l2_avg_correction_rms vs run
χ^2 / ndf 5.789e+04 / 45
p0 183.3 ± 0.2025
300
250
200
150
100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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4886. 2
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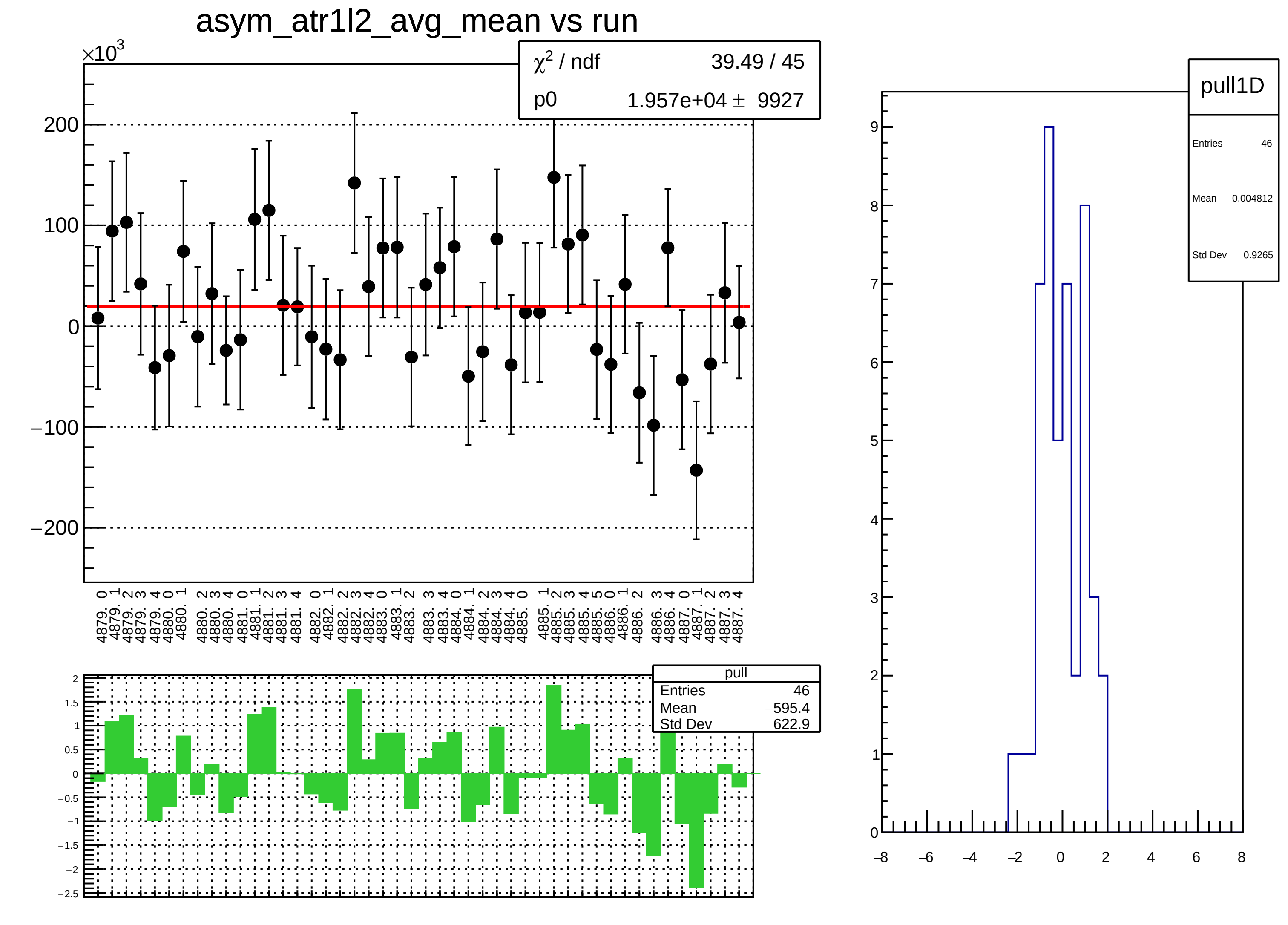
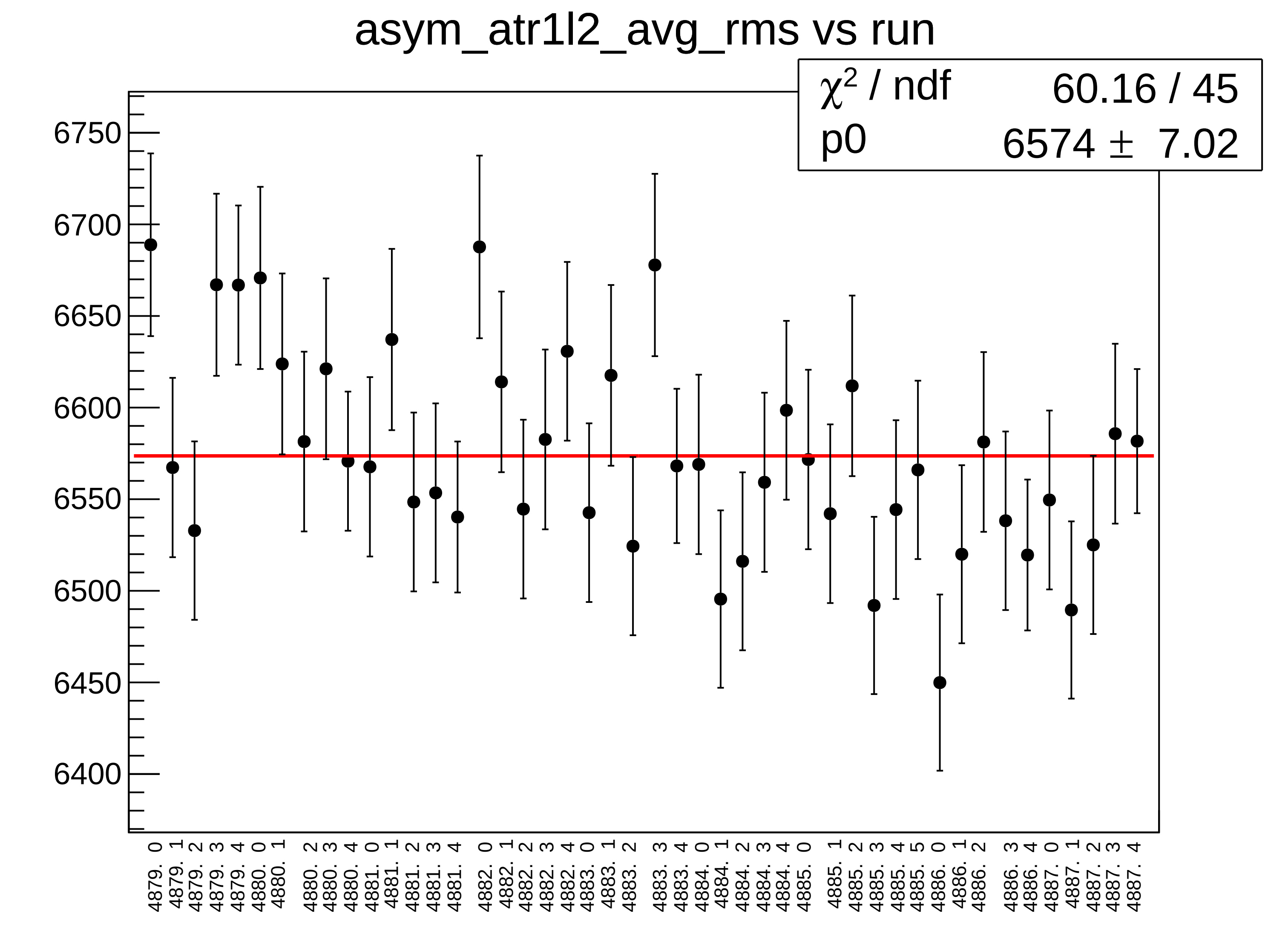
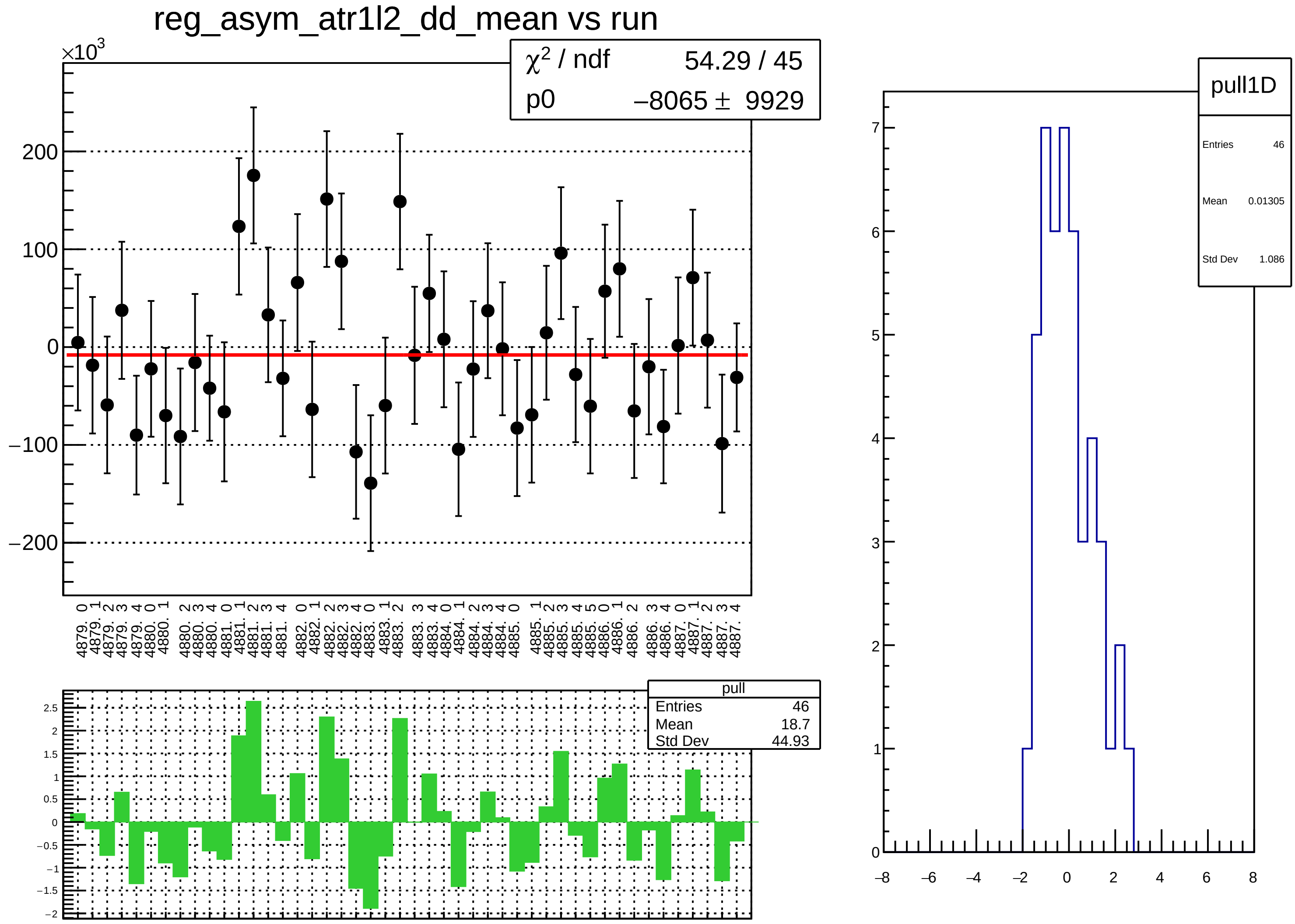
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



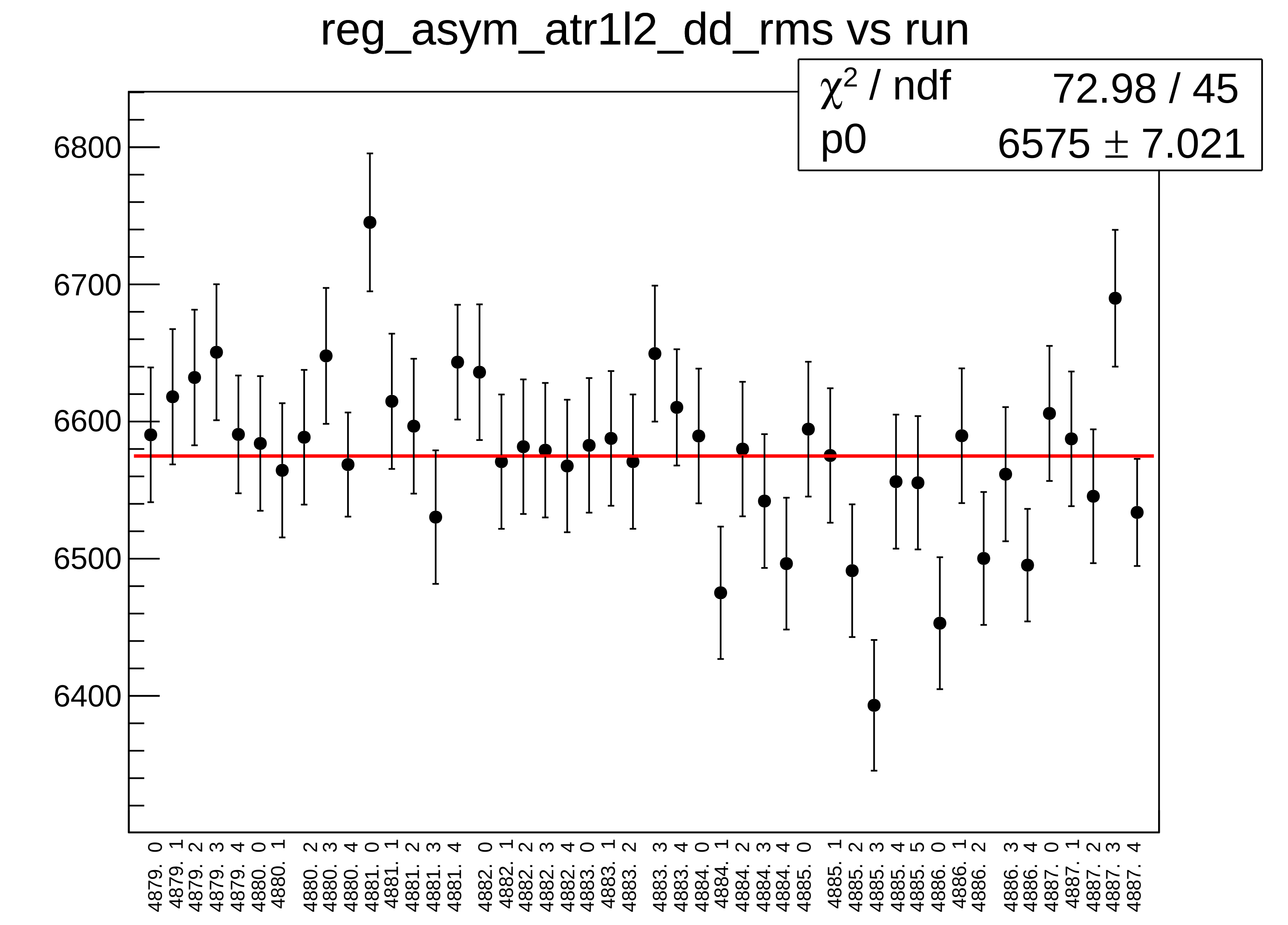
asym_atr1l2_avg_mean vs run
×10^3
χ2 / ndf 39.49 / 45
p0 1.957e+04 ± 9927
200
100
0
−100
−200
pull
Entries 46
Mean −595.4
Std Dev 622.9
pull1D
Entries 46
Mean 0.004812
Std Dev 0.9265



asym_atr1l2_avg_rms vs run
χ2 / ndf 60.16 / 45
p0 6574 ± 7.02
6750
6700
6650
6600
6550
6500
6450
6400



reg_asym_atr1l2_dd_mean vs run
×10^3
χ2 / ndf 54.29 / 45
p0 −8065 ± 9929
200
100
0
−100
−200
pull
Entries 46
Mean 18.7
Std Dev 44.93
pull1D
Entries 46
Mean 0.01305
Std Dev 1.086



reg_asym_atr1l2_dd_rms vs run
χ2 / ndf 72.98 / 45
p0 6575 ± 7.021
6800
6700
6600
6500
6400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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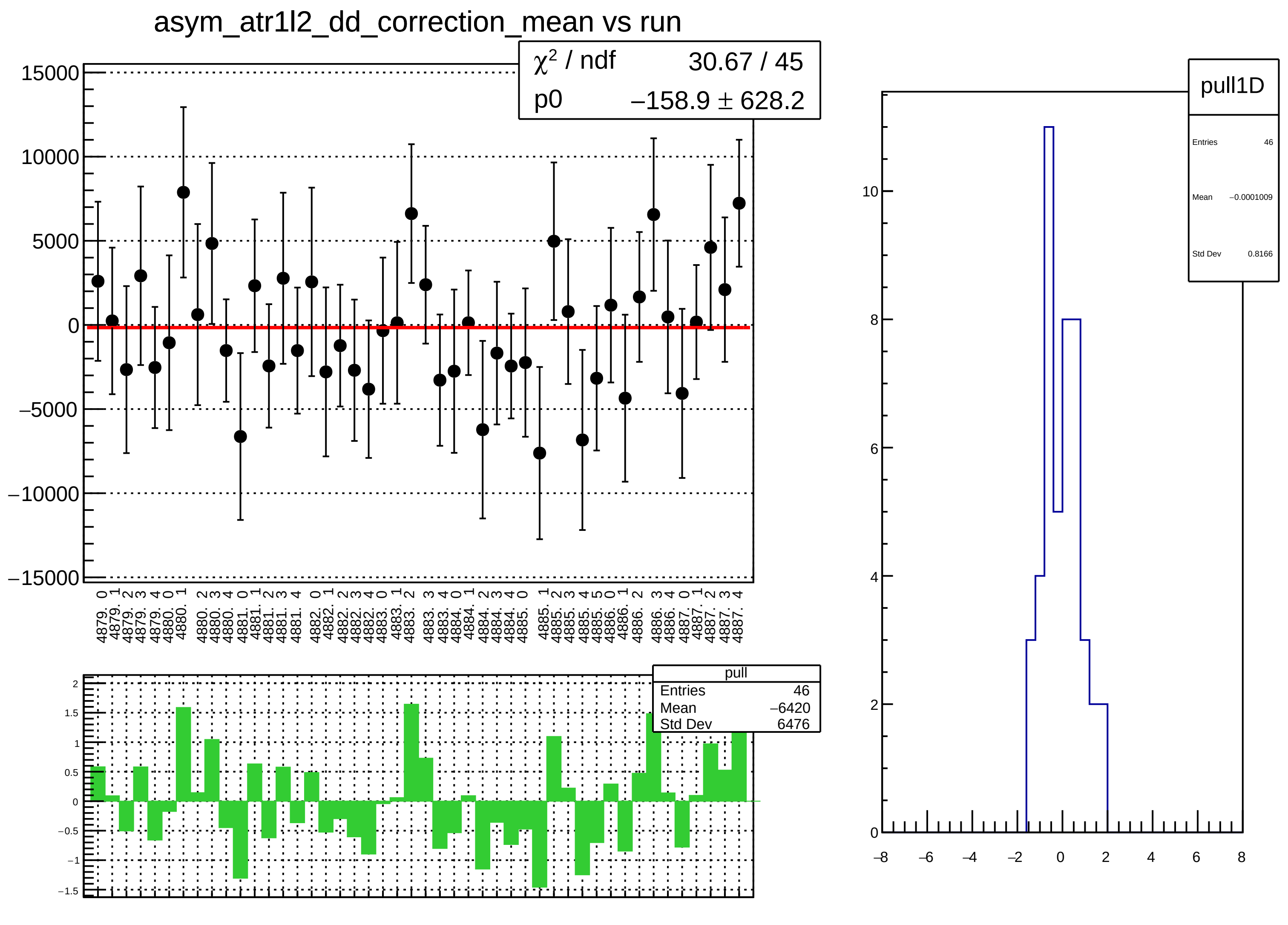
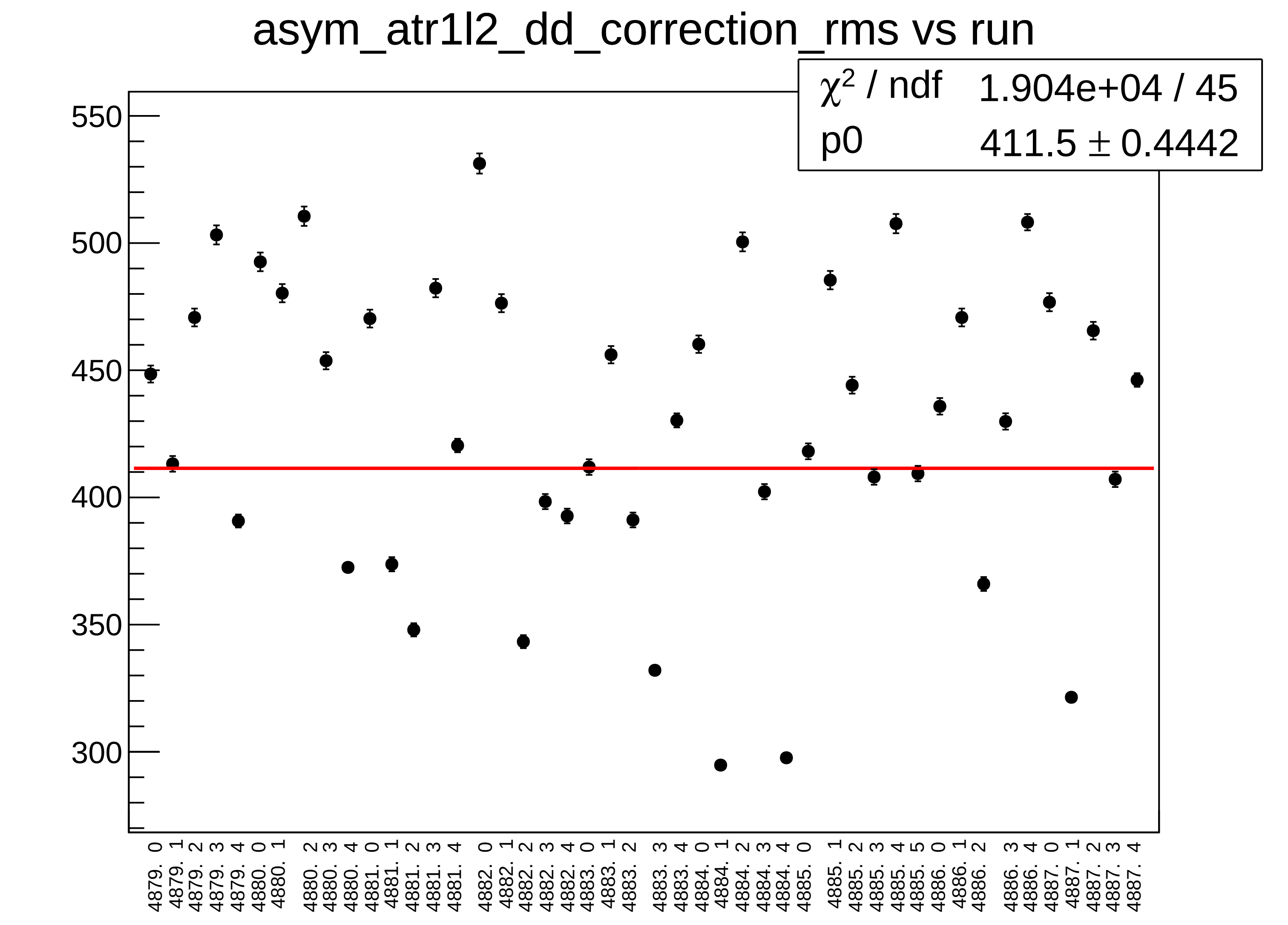
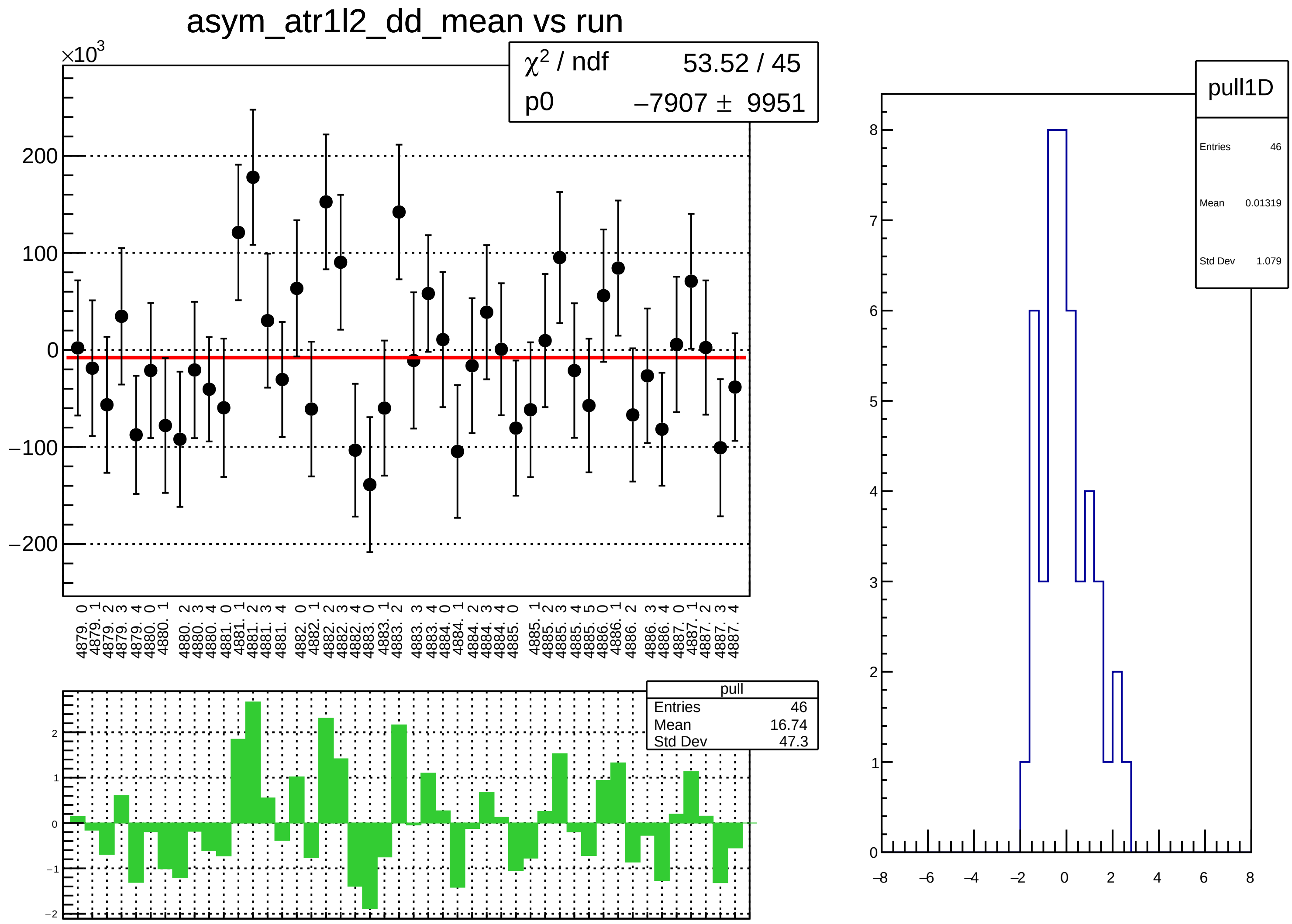
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

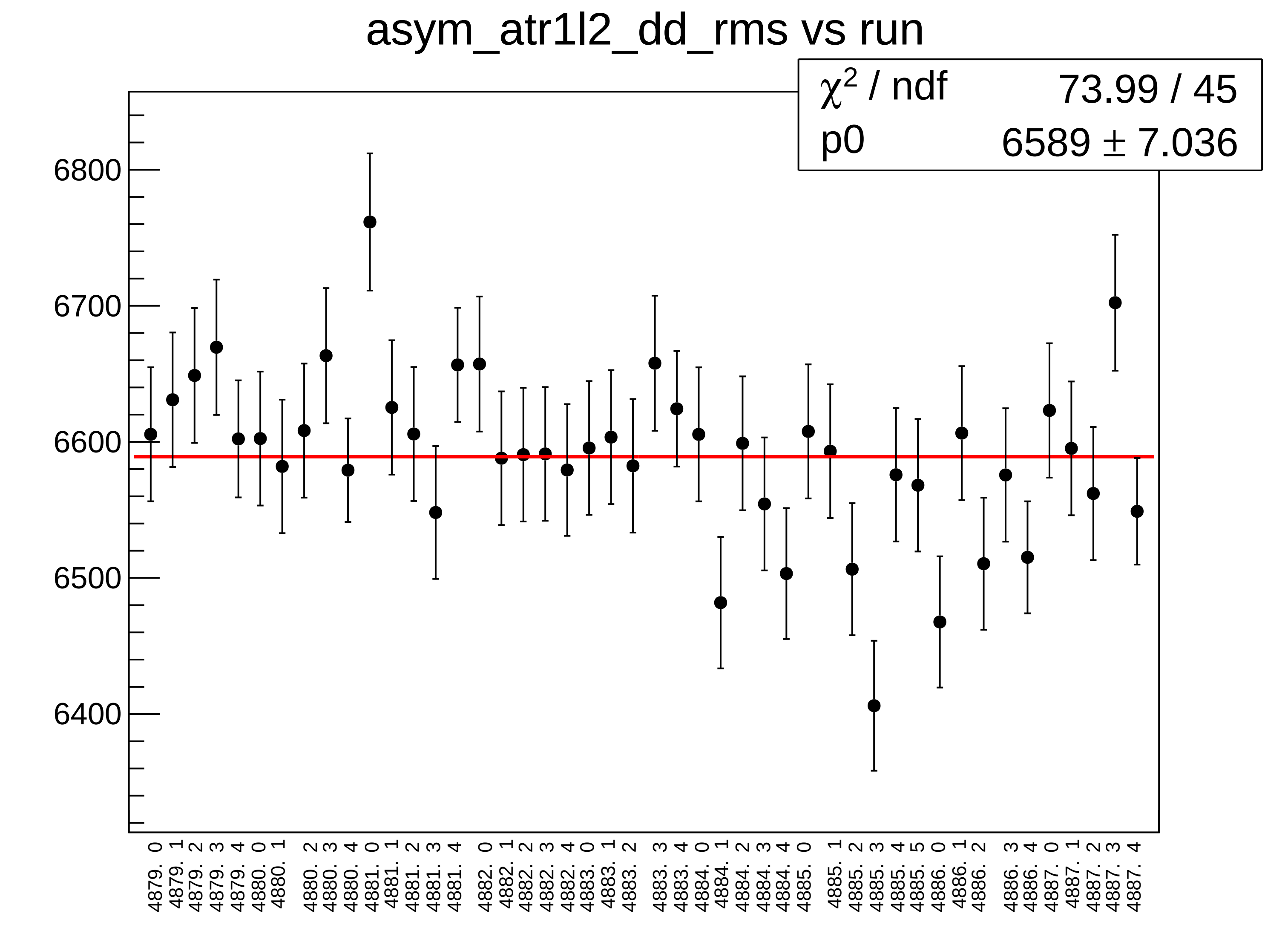


asym_atr1l2_dd_correction_mean vs run
χ^2 / ndf 30.67 / 45
p0 −158.9 ± 628.2
pull
Entries 46
Mean −6420
Std Dev 6476
pull1D
Entries 46
Mean −0.0001009
Std Dev 0.8166



asym_atr1l2_dd_correction_rms vs run
χ^2 / ndf 1.904e+04 / 45
p0 411.5 ± 0.4442
550
500
450
400
350
300
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4


asym_atr1l2_dd_mean vs run
χ^2 / ndf 53.52 / 45
p0 −7907 ± 9951
pull
Entries 46
Mean 16.74
Std Dev 47.3
pull1D
Entries 46
Mean 0.01319
Std Dev 1.079


asym_atr1l2_dd_rms vs run
χ^2 / ndf 73.99 / 45
p0 6589 ± 7.036
6800
6700
6600
6500
6400
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
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4883.0
4883.1
4883.2
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4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
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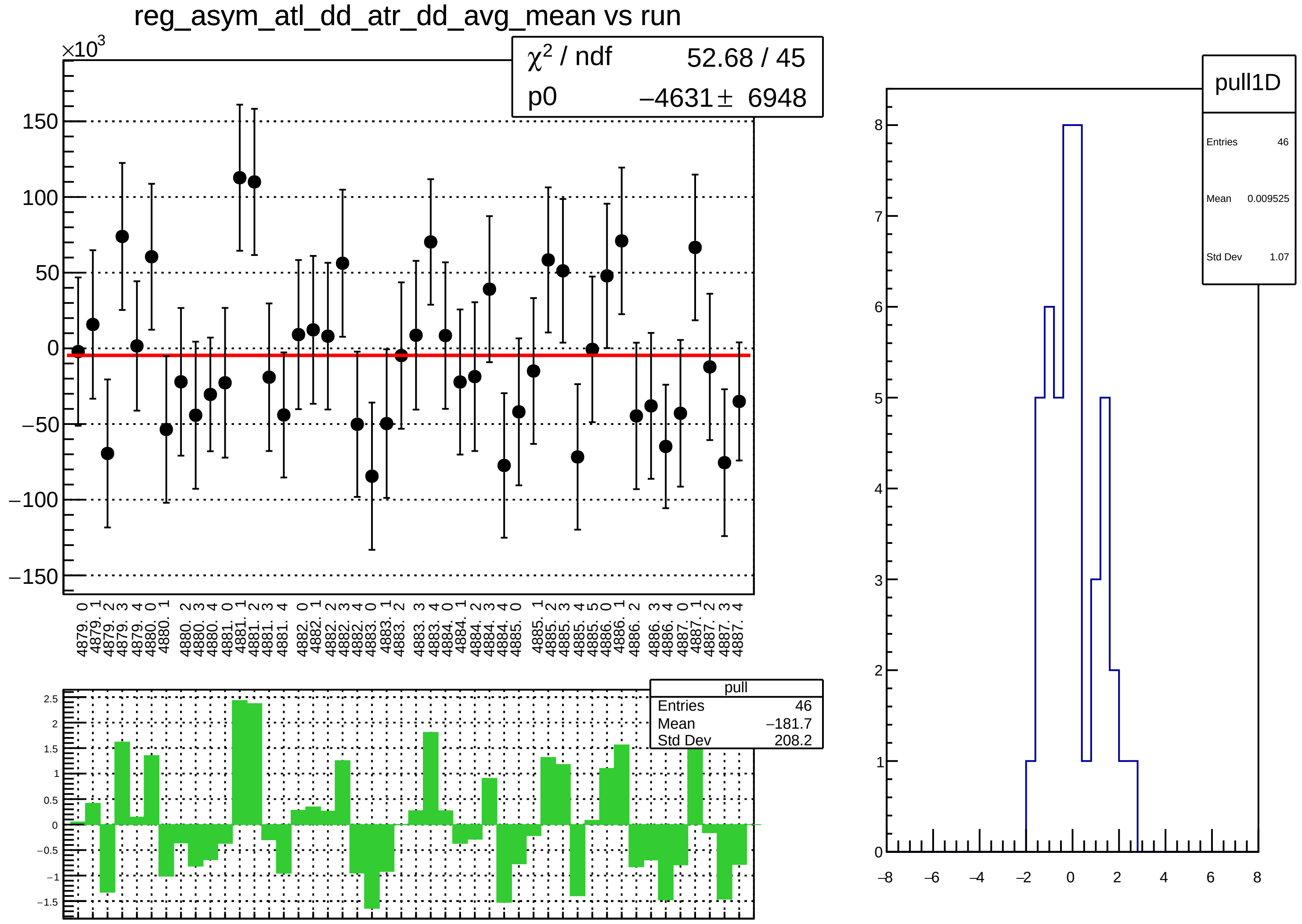
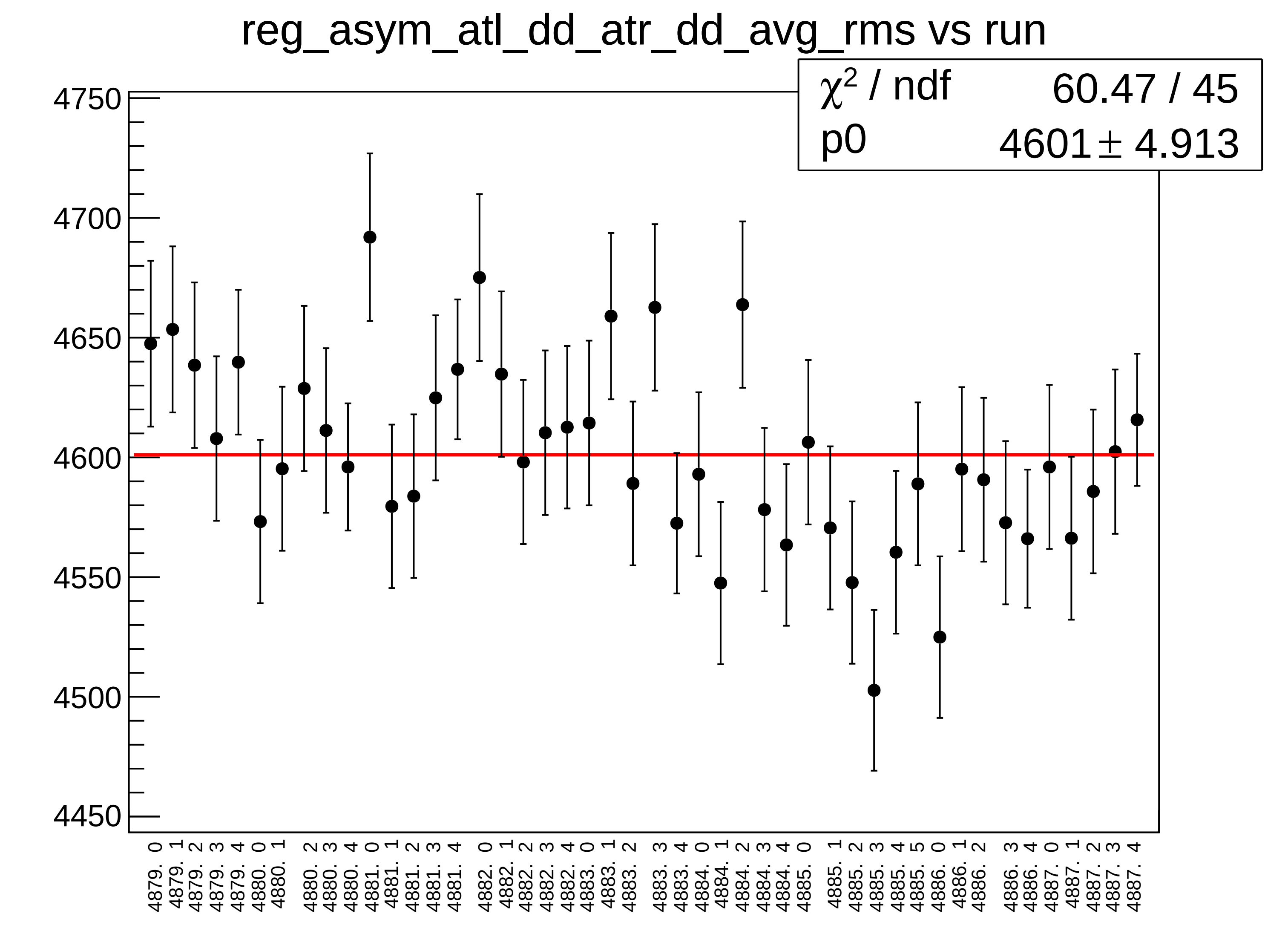
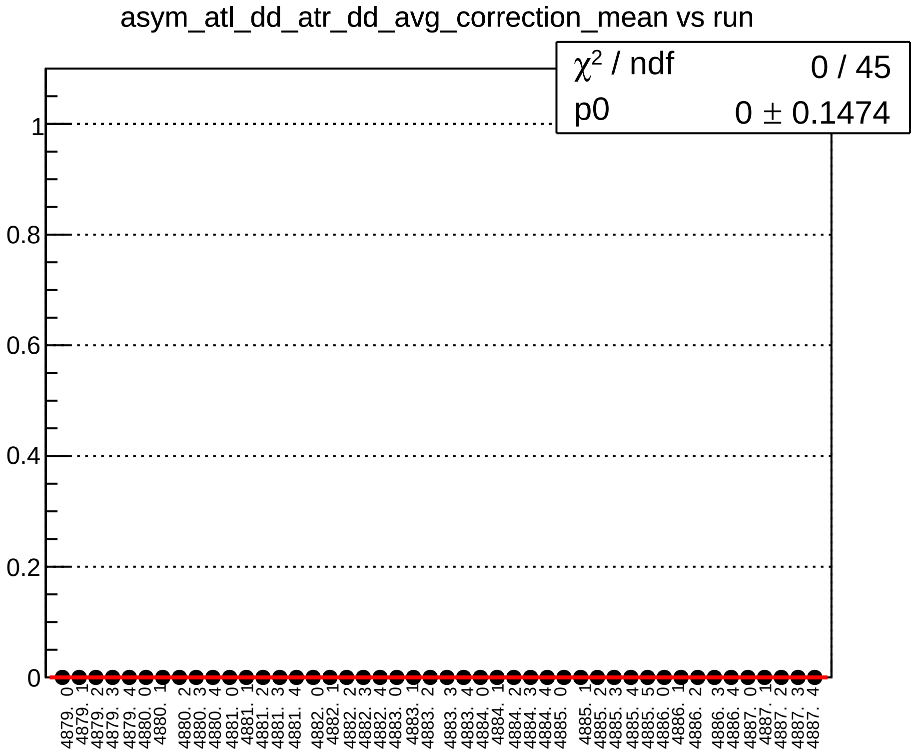
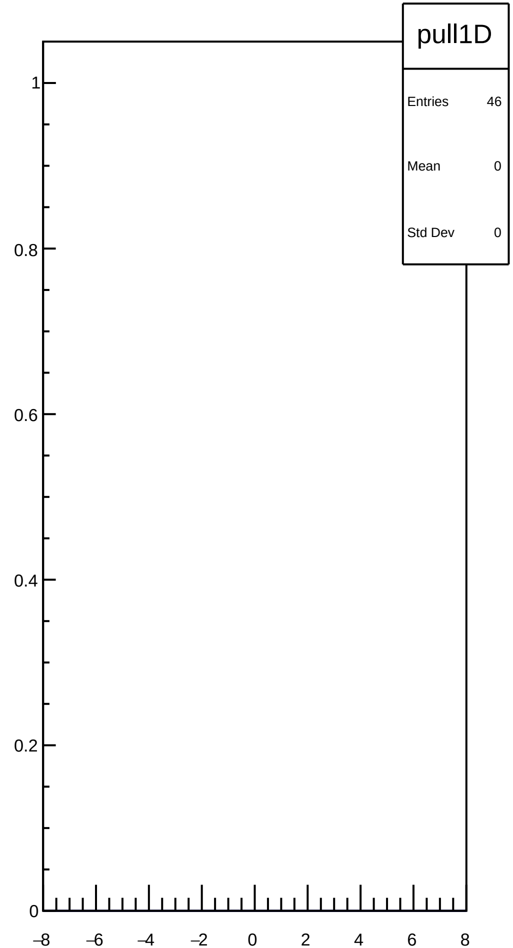
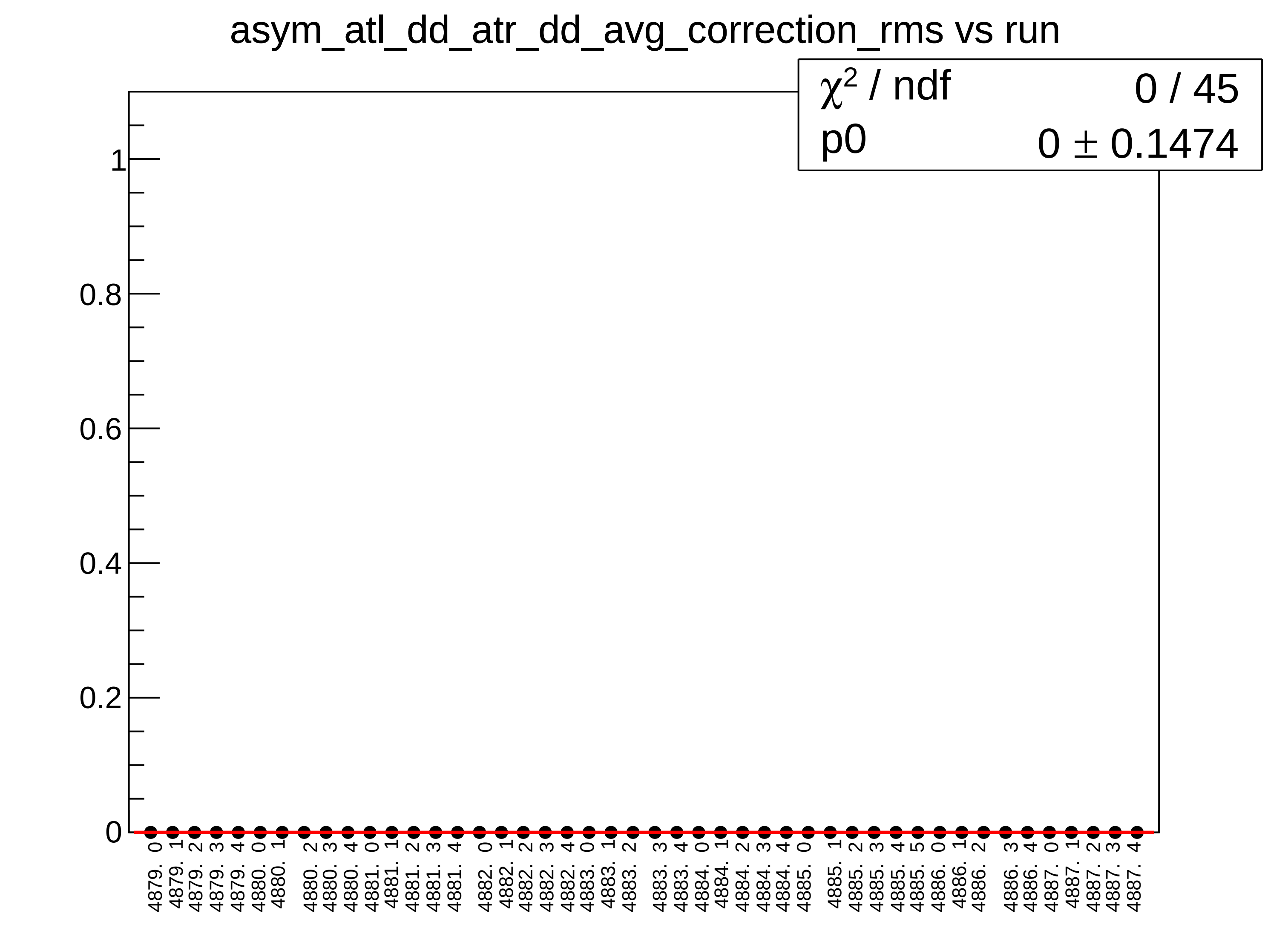
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4


reg_asym_atl_dd_atr_dd_avg_mean vs run
$\times10^3$
χ^2 / ndf 52.68 / 45
p0 −4631 ± 6948
pull
Entries 46
Mean −181.7
Std Dev 208.2
pull1D
Entries 46
Mean 0.009525
Std Dev 1.07


reg_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 60.47 / 45
p0 4601 ± 4.913
4750
4700
4650
4600
4550
4500
4450
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


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


pull1D
Entries 46
Mean 0
Std Dev 0



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
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
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4883. 1
4883. 2
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4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
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4885. 5
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4886. 2
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4887. 0
4887. 1
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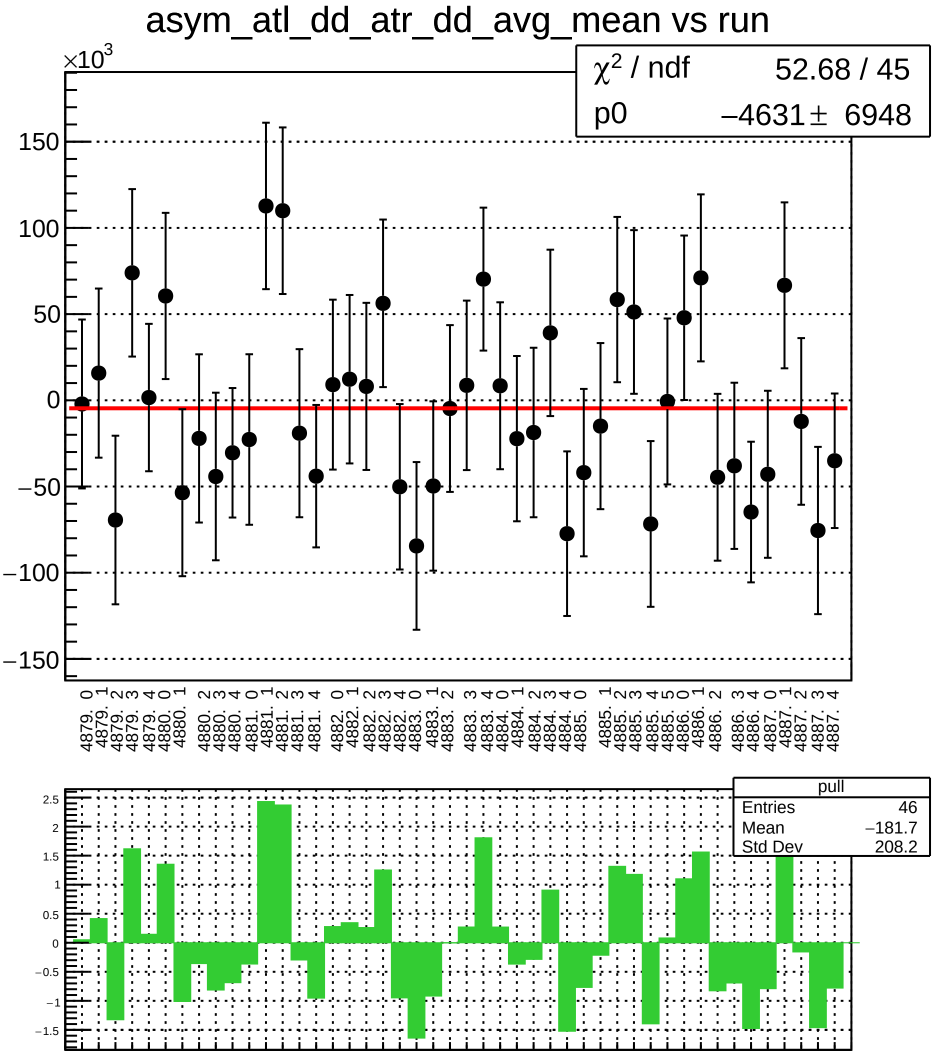
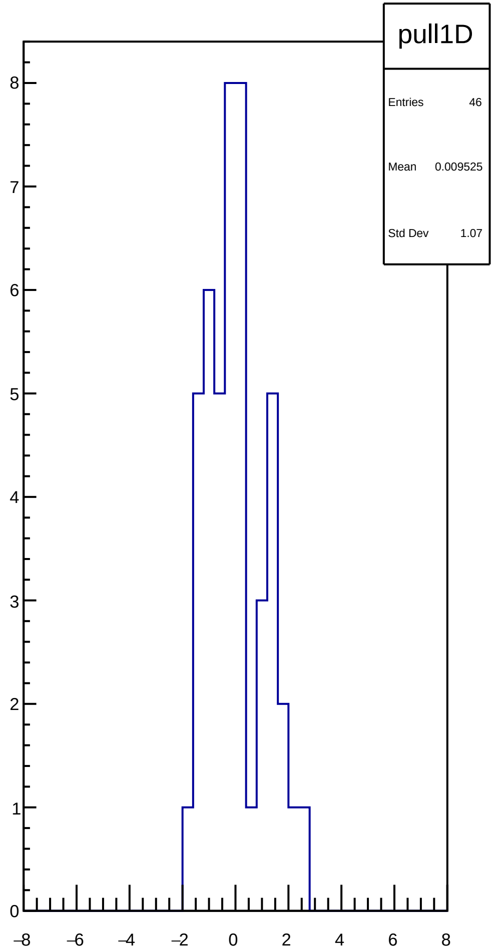
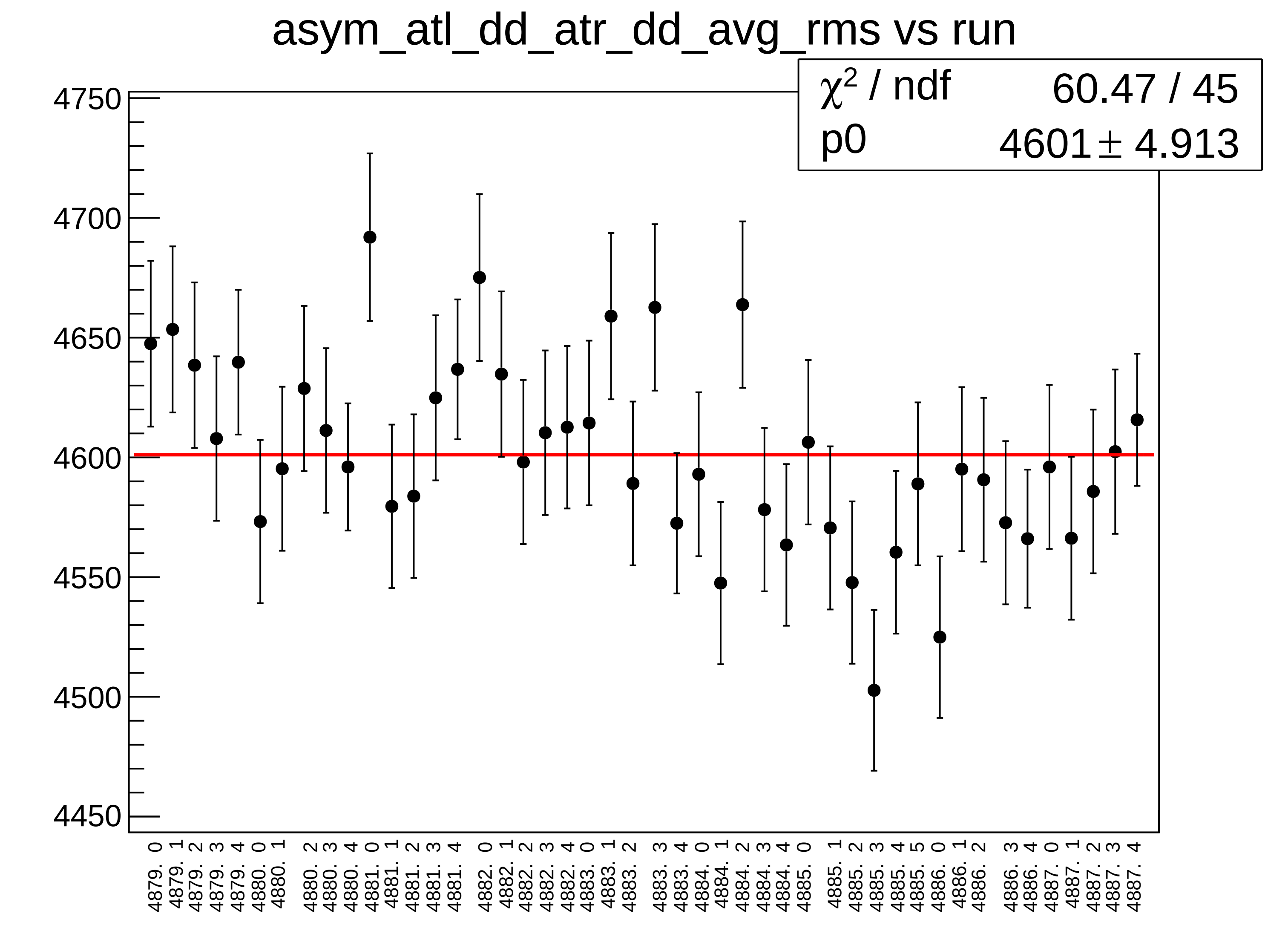
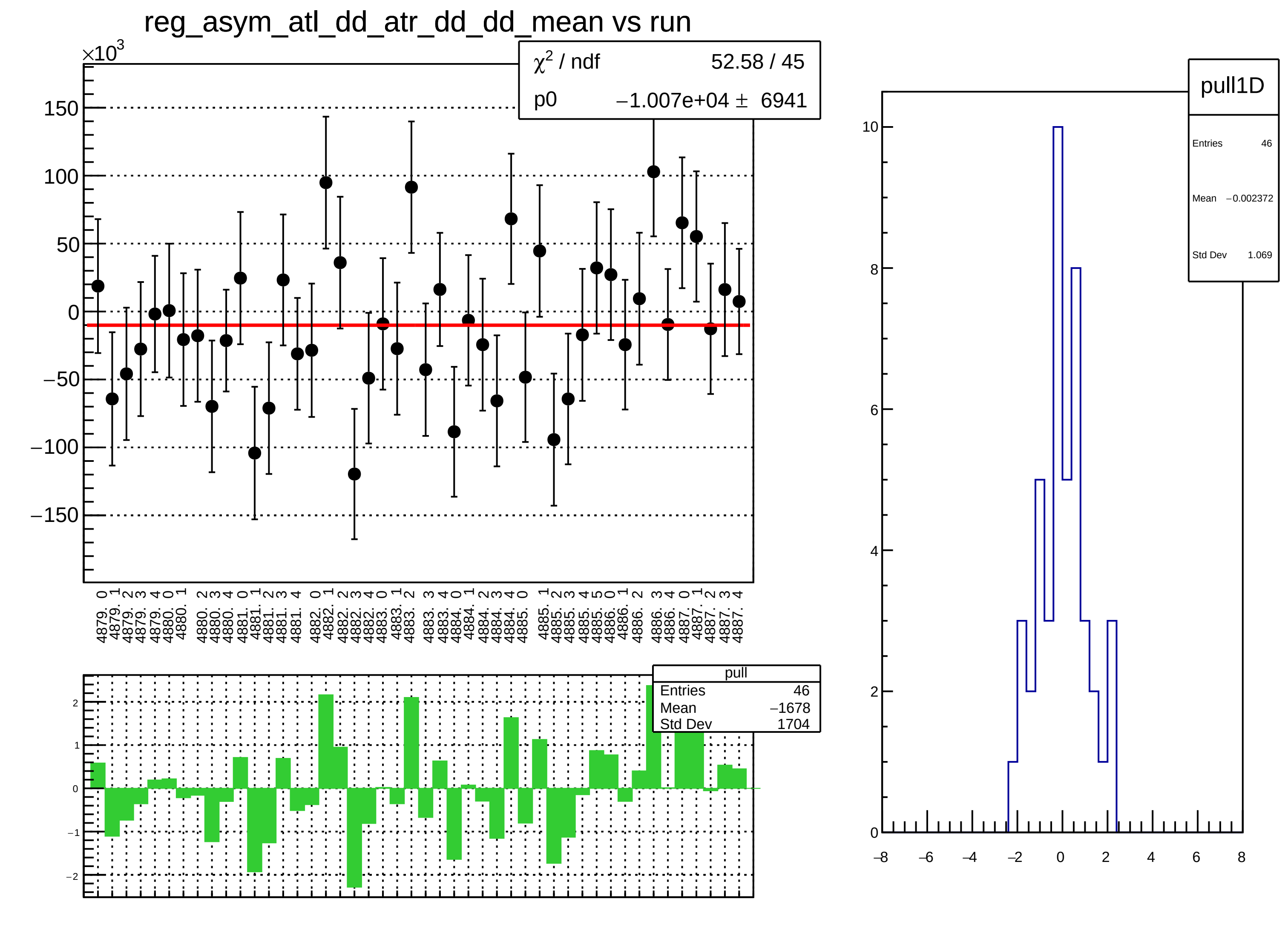

asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 52.68 / 45
p0 −4631 ± 6948
pull
Entries 46
Mean −181.7
Std Dev 208.2

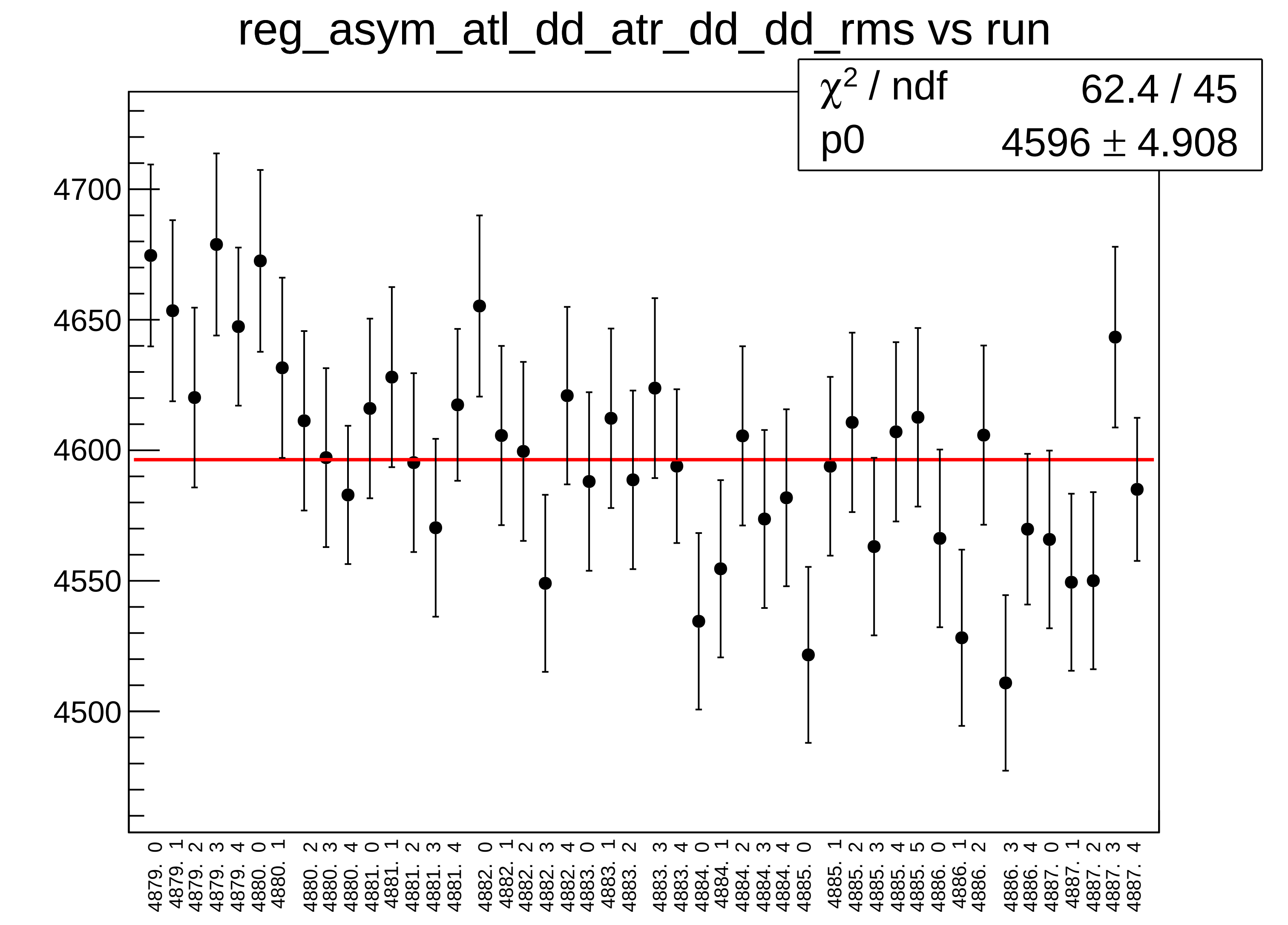

pull1D
Entries 46
Mean 0.009525
Std Dev 1.07



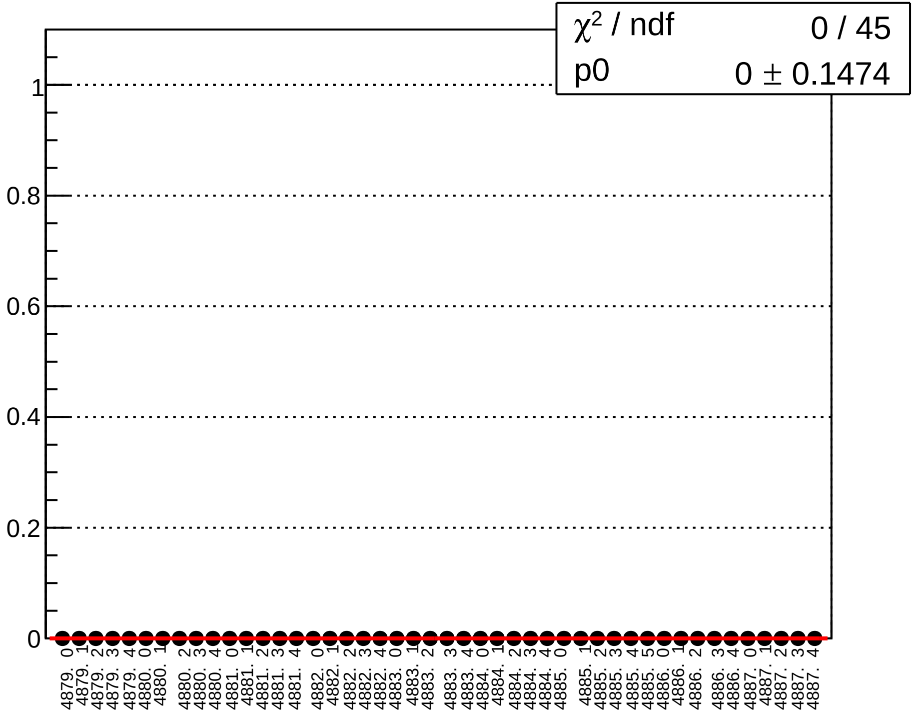
asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 60.47 / 45
p0 4601 ± 4.913
4750
4700
4650
4600
4550
4500
4450
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

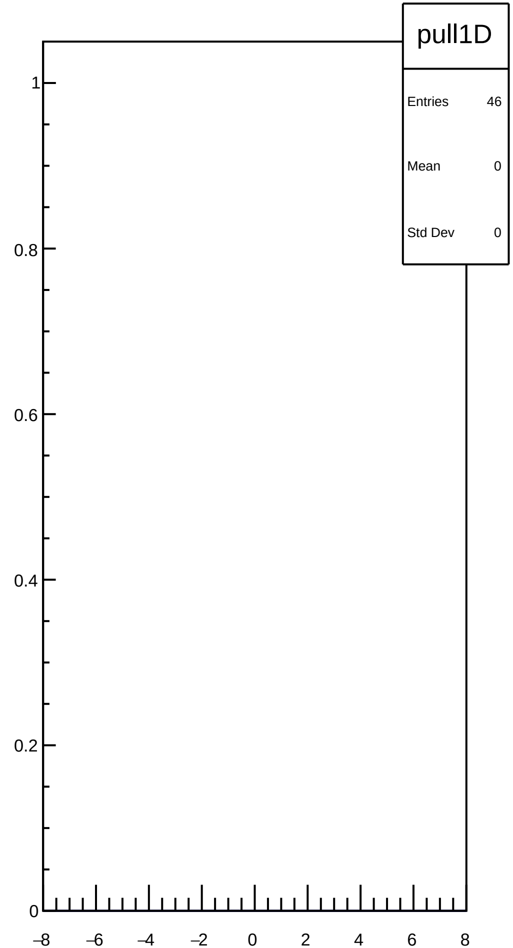


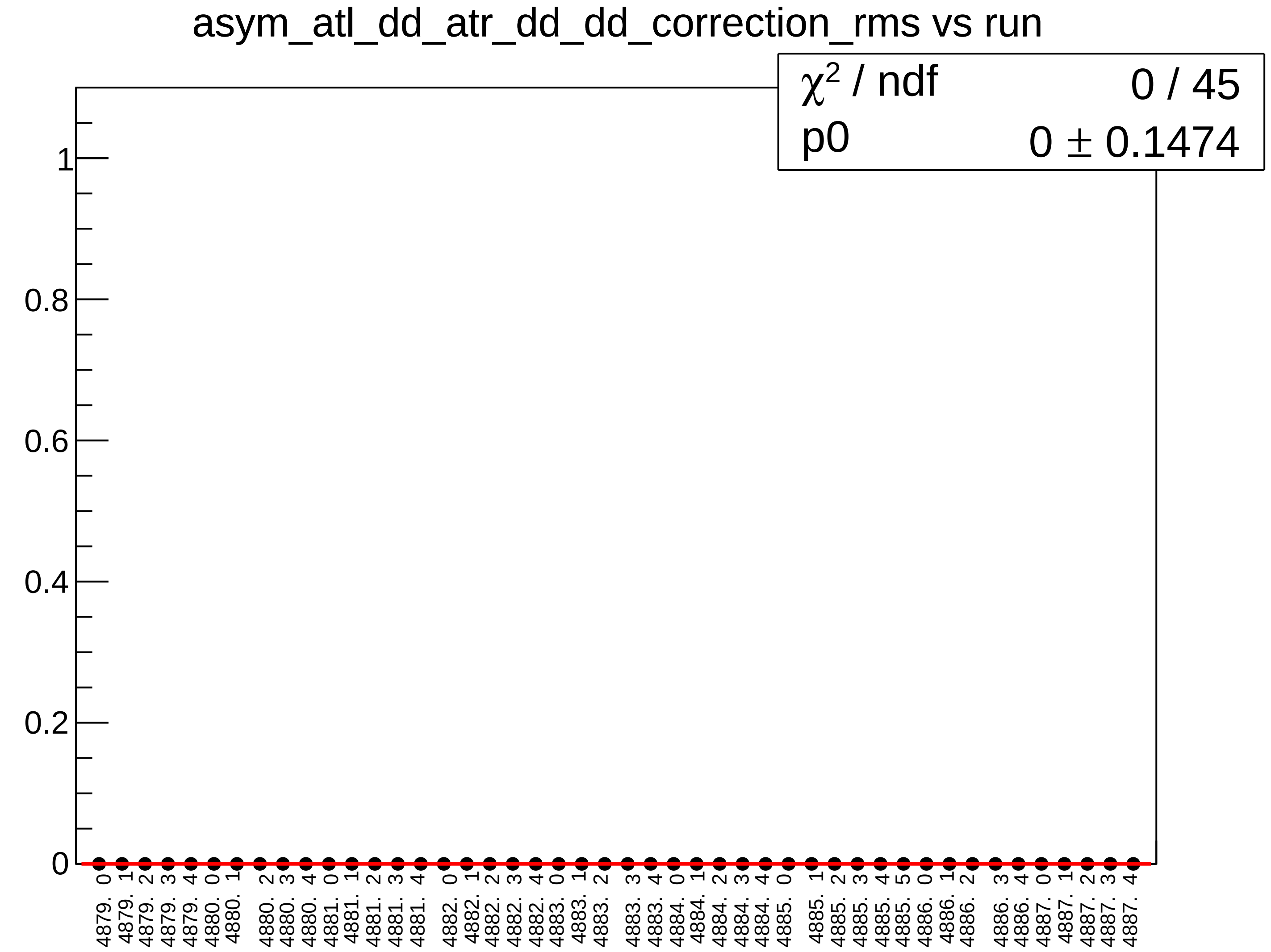
reg_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 52.58 / 45
p0 −1.007e+04 ± 6941
×10^3
pull
Entries 46
Mean −1678
Std Dev 1704
pull1D
Entries 46
Mean −0.002372
Std Dev 1.069


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 62.4 / 45
p0 4596 ± 4.908
4700
4650
4600
4550
4500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_atl_dd_atr_dd_dd_correction_mean vs run






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
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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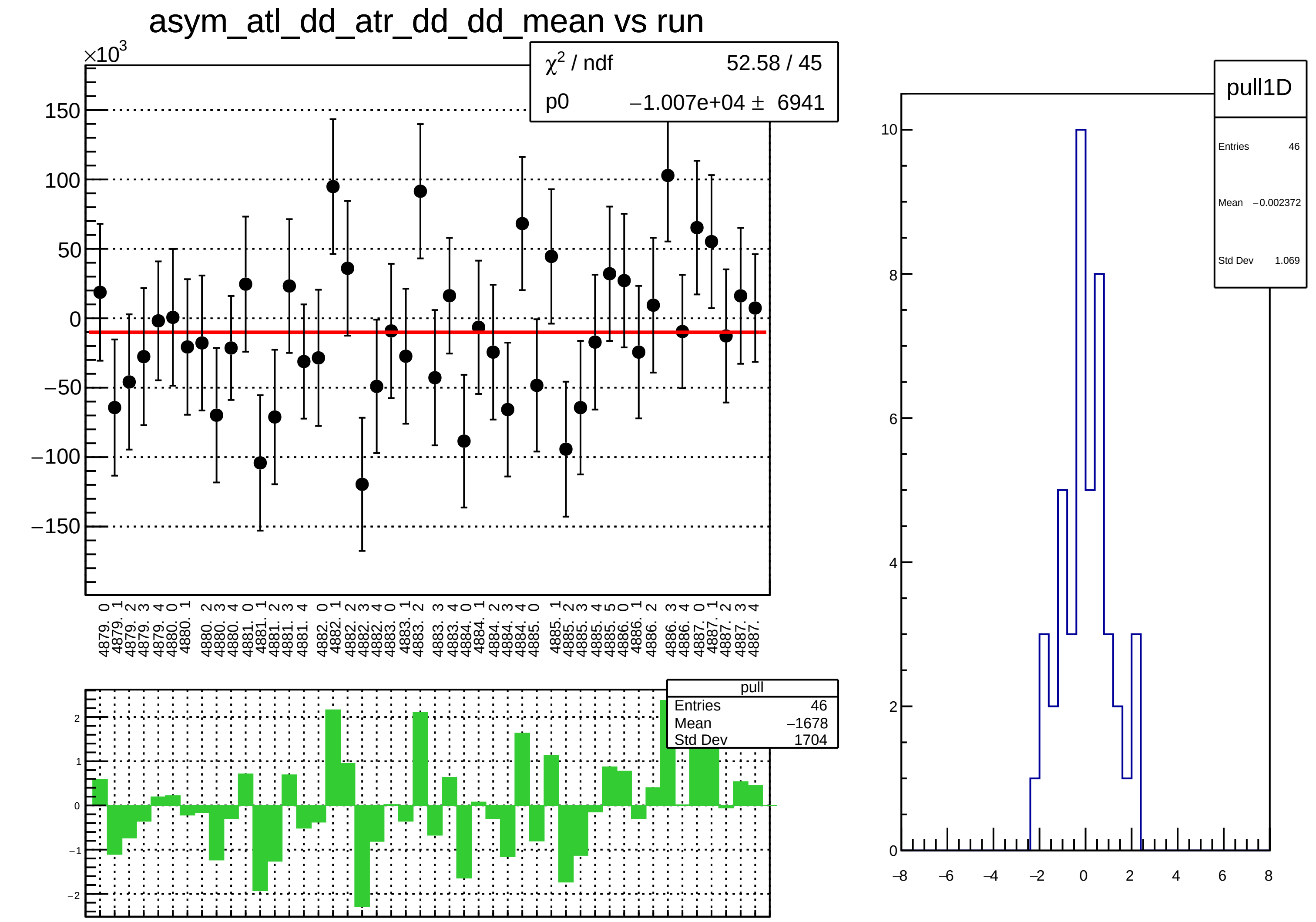
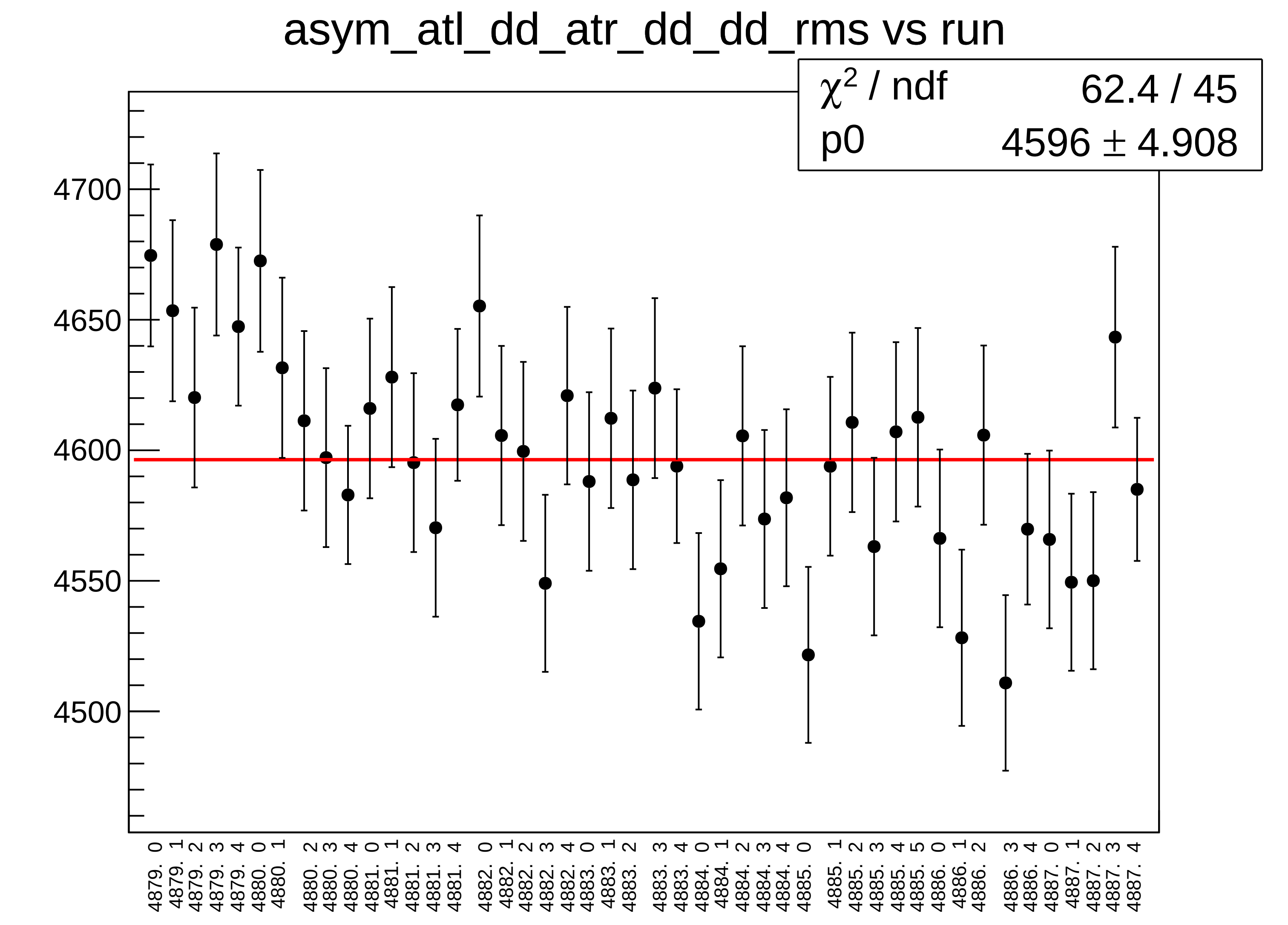
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_atl_dd_atr_dd_dd_mean vs run
$\times10^{3}$
χ^2 / ndf 52.58 / 45
p0 −1.007e+04 ± 6941
pull
Entries 46
Mean −1678
Std Dev 1704
pull1D
Entries 46
Mean −0.002372
Std Dev 1.069


asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 62.4 / 45
p0 4596 ± 4.908
4700
4650
4600
4550
4500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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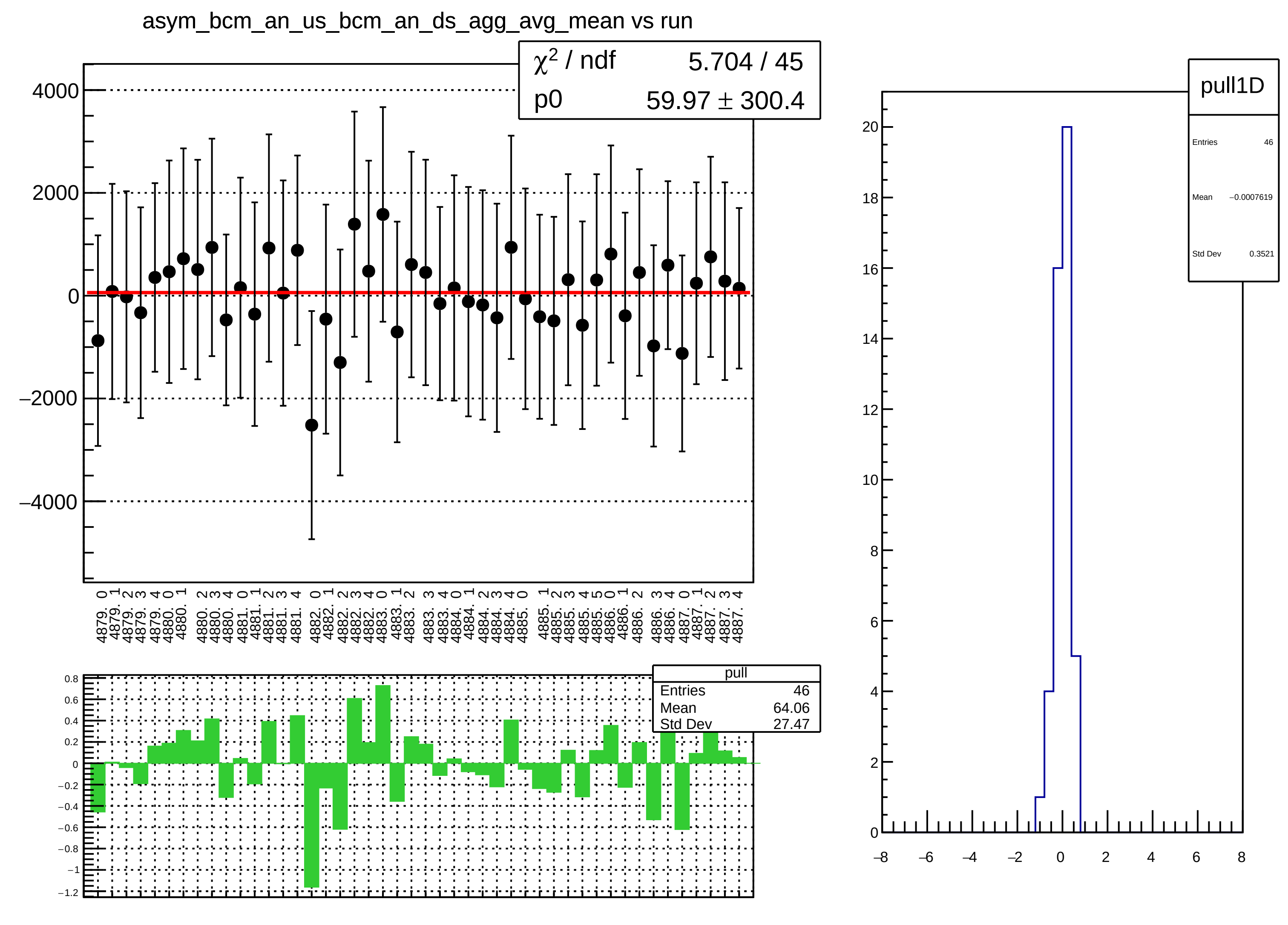
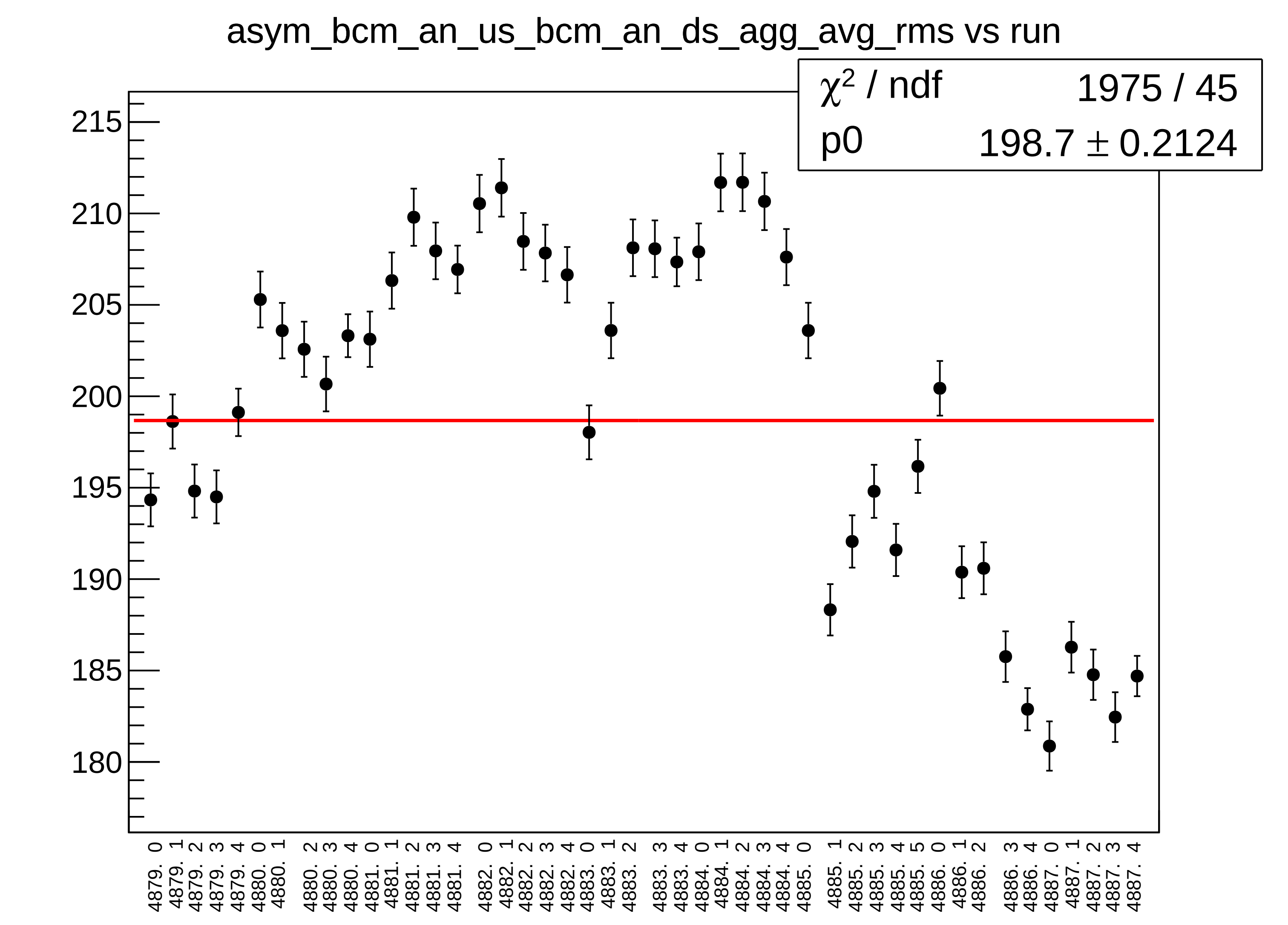
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 5.704 / 45
p0 59.97 ± 300.4
pull
Entries 46
Mean 64.06
Std Dev 27.47
pull1D
Entries 46
Mean −0.0007619
Std Dev 0.3521



asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1975 / 45
p0 198.7 ± 0.2124
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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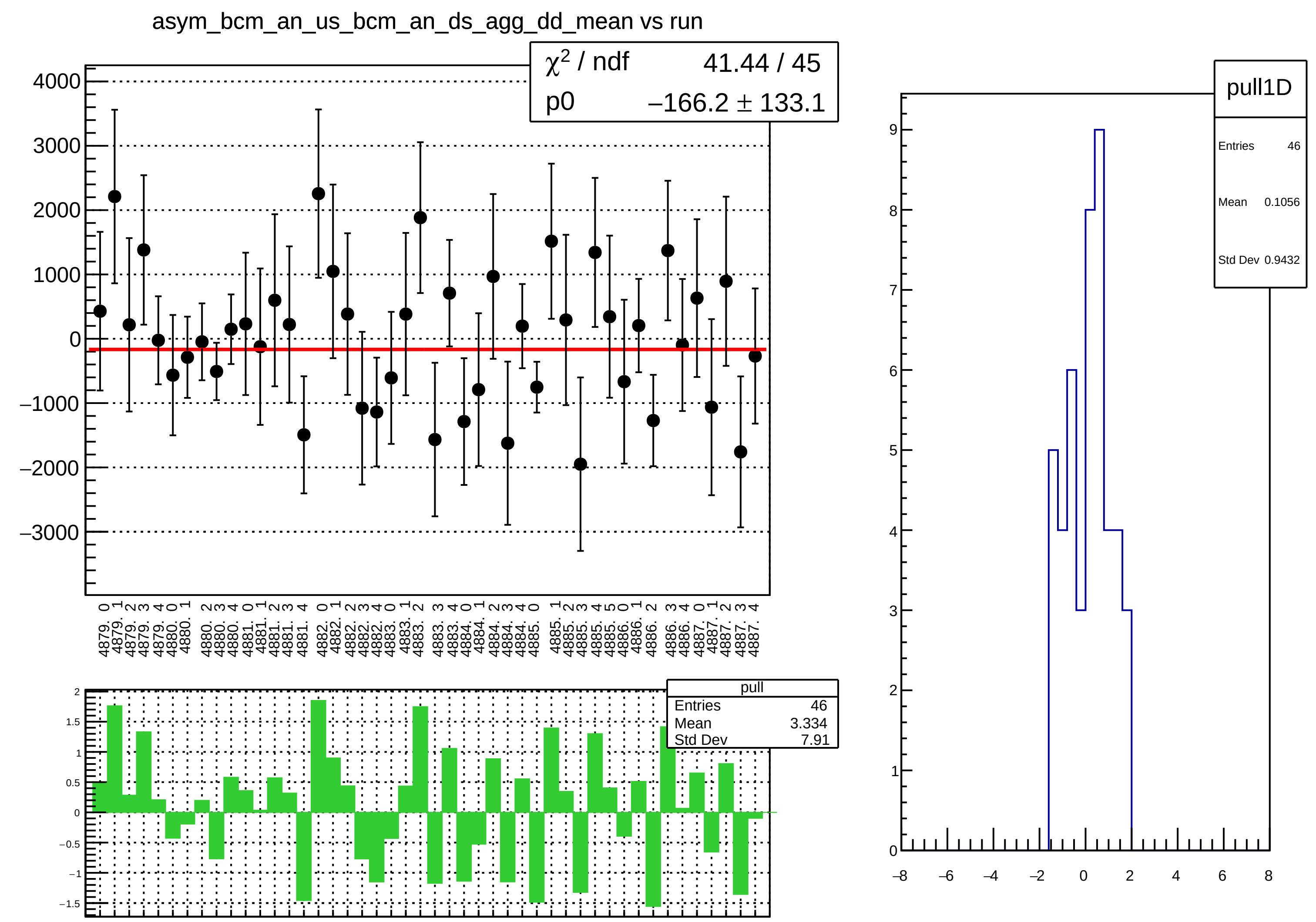
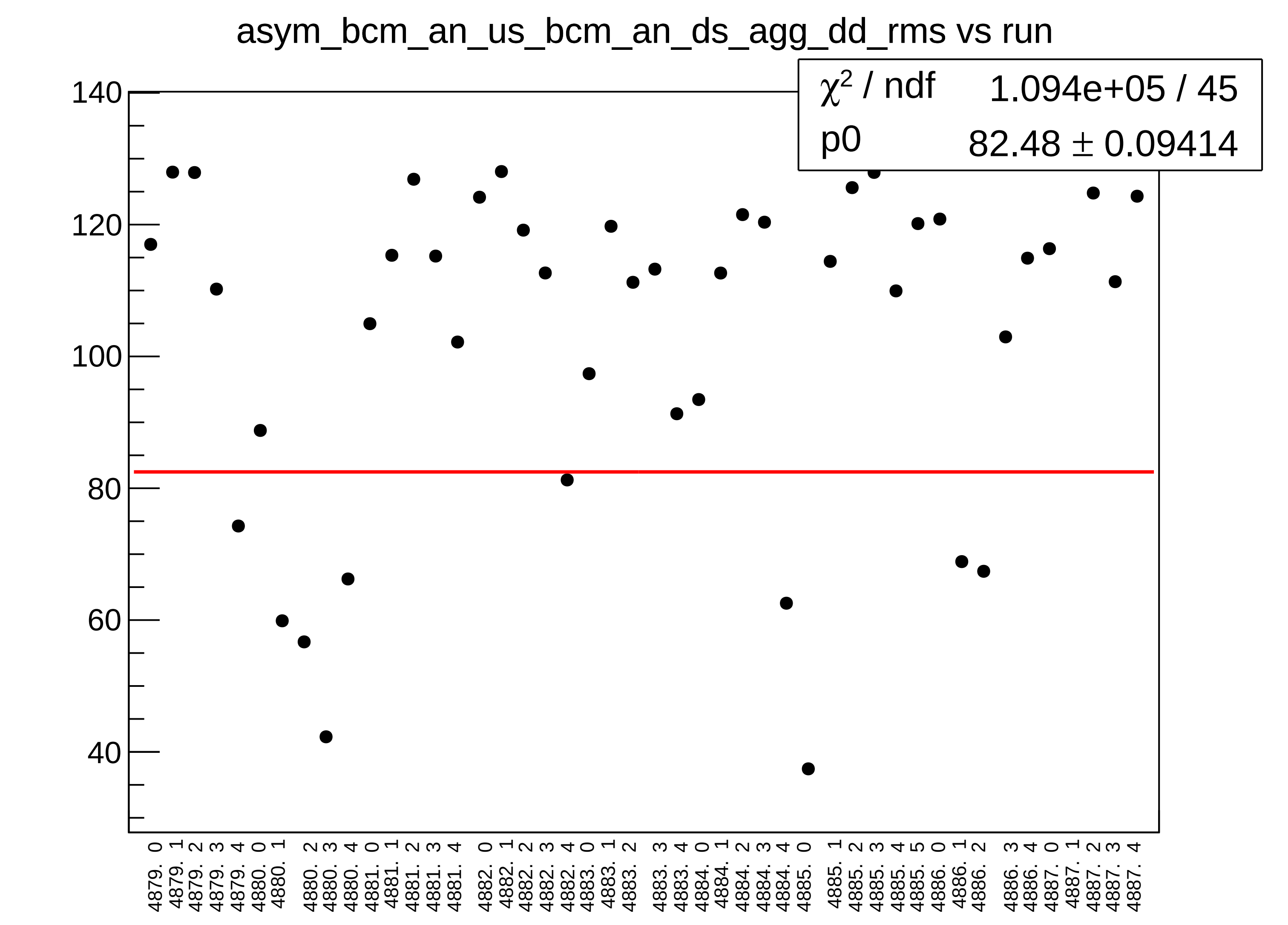
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 41.44 / 45
p0 −166.2 ± 133.1
pull
Entries 46
Mean 3.334
Std Dev 7.91
pull1D
Entries 46
Mean 0.1056
Std Dev 0.9432


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 1.094e+05 / 45
p0 82.48 ± 0.09414
140
120
100
80
60
40
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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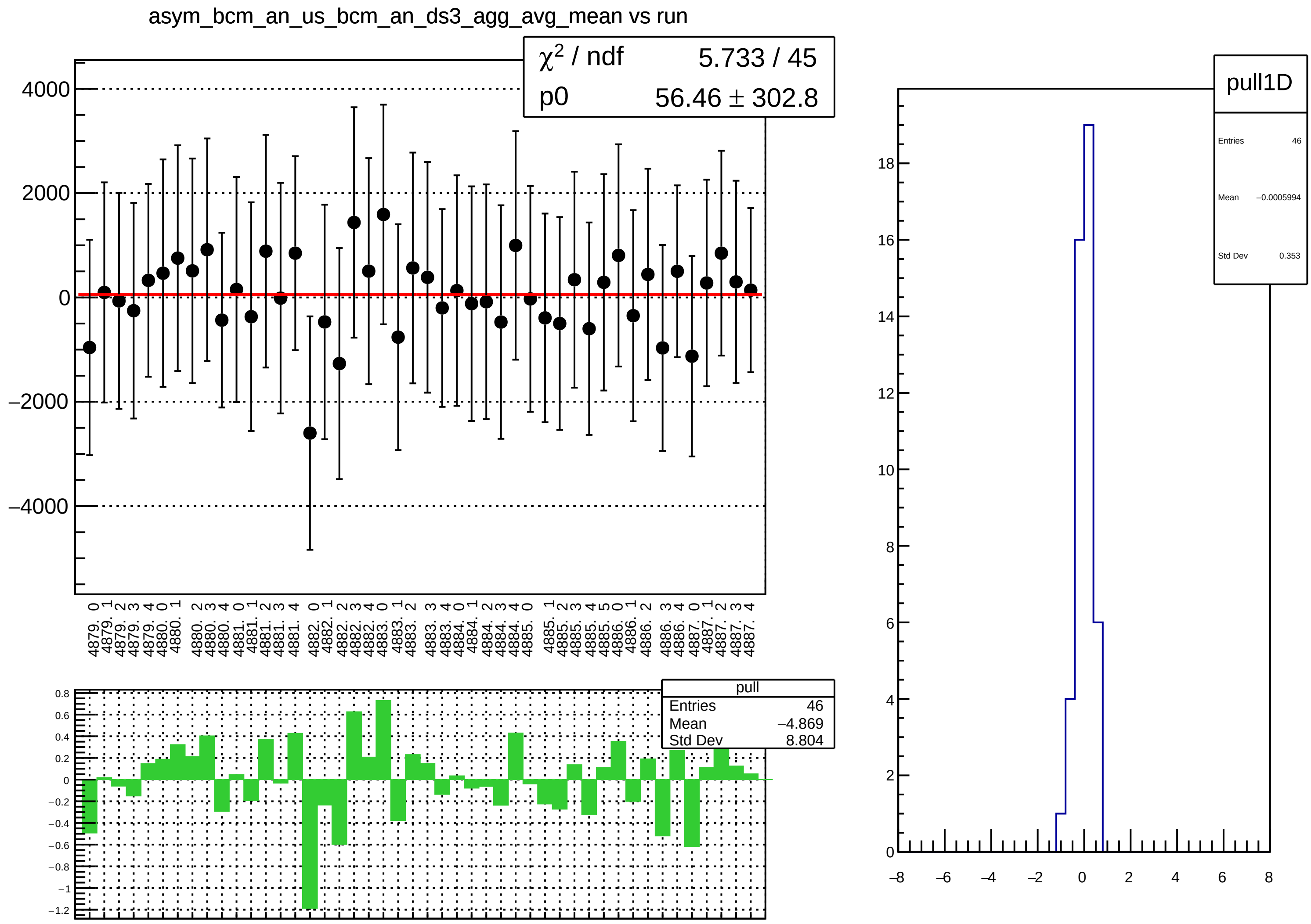
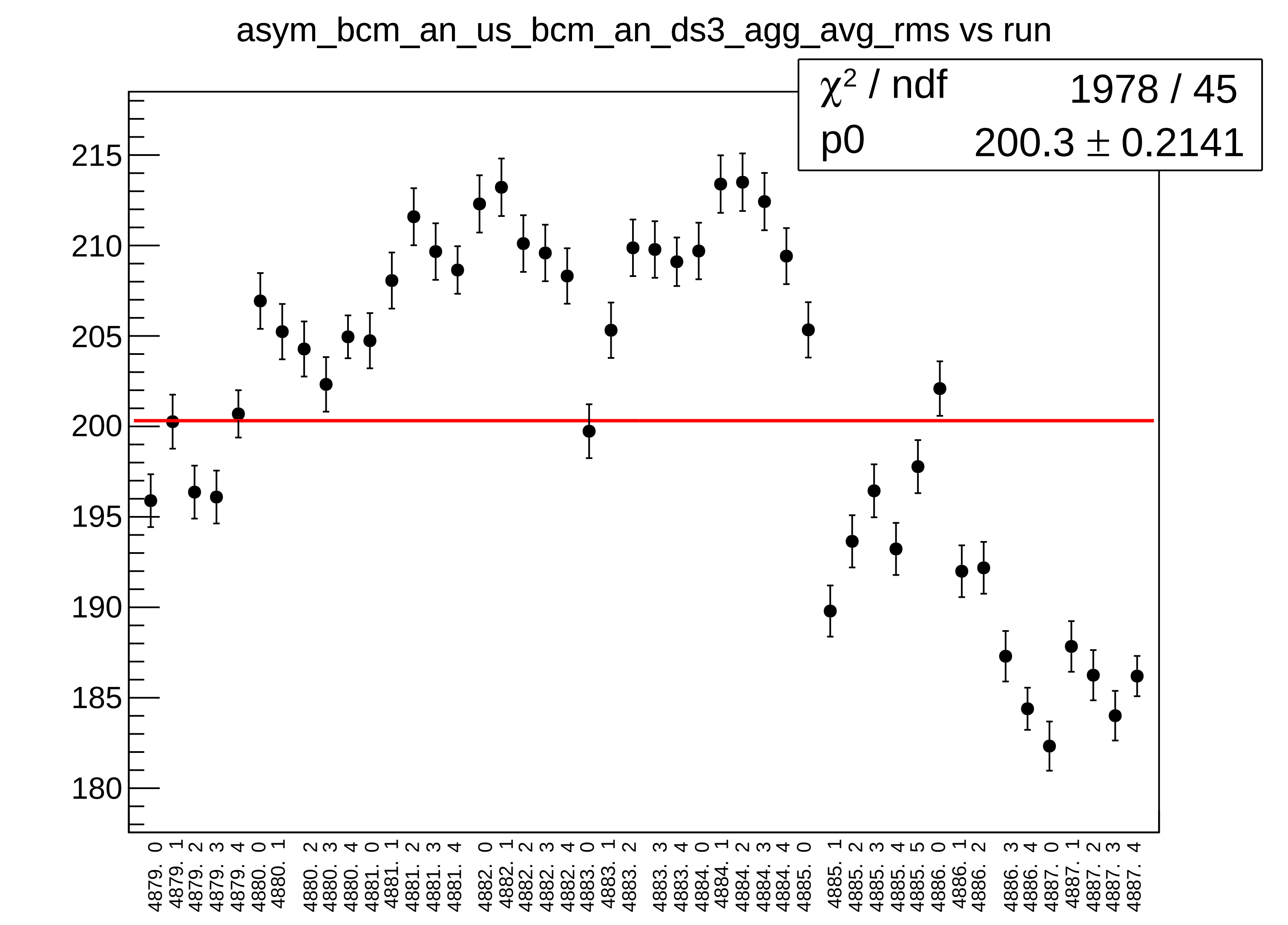
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ^2 / ndf 5.733 / 45
p0 56.46 ± 302.8
pull
Entries 46
Mean −4.869
Std Dev 8.804
pull1D
Entries 46
Mean −0.0005994
Std Dev 0.353



asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ^2 / ndf 1978 / 45
p0 200.3 ± 0.2141
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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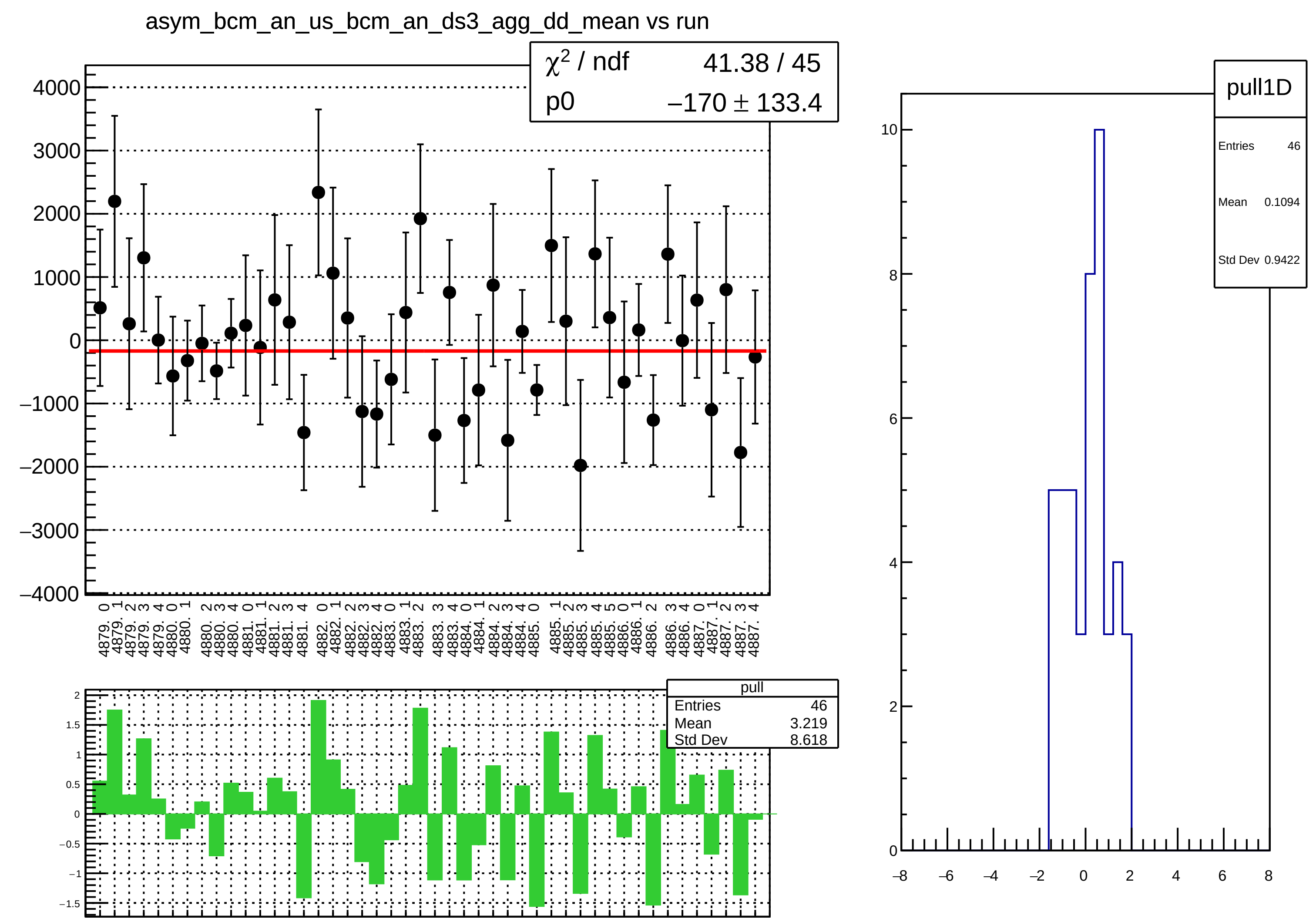
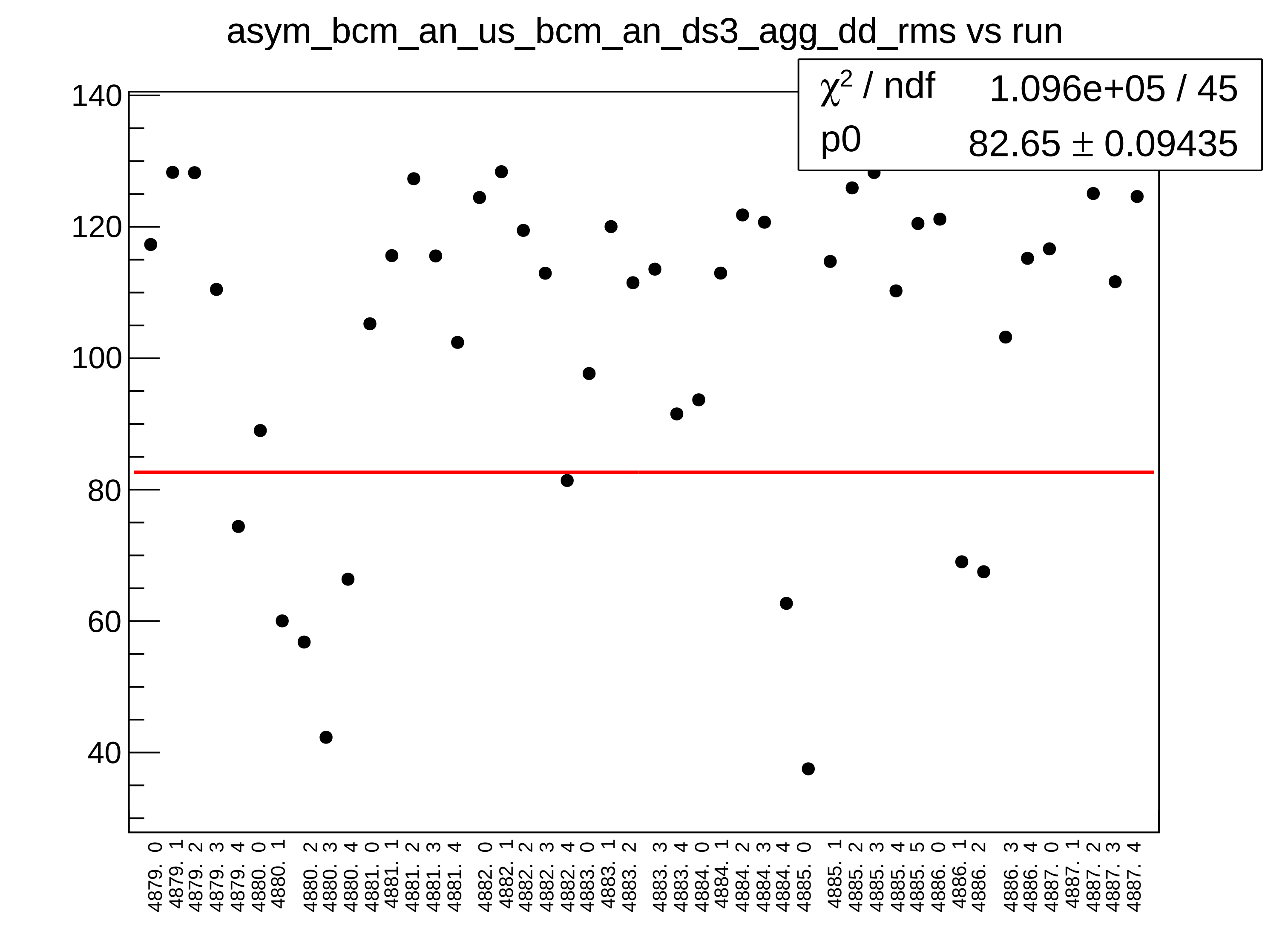
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 41.38 / 45
p0 −170 ± 133.4
pull
Entries 46
Mean 3.219
Std Dev 8.618
pull1D
Entries 46
Mean 0.1094
Std Dev 0.9422



asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ^2 / ndf 1.096e+05 / 45
p0 82.65 ± 0.09435
140
120
100
80
60
40
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
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4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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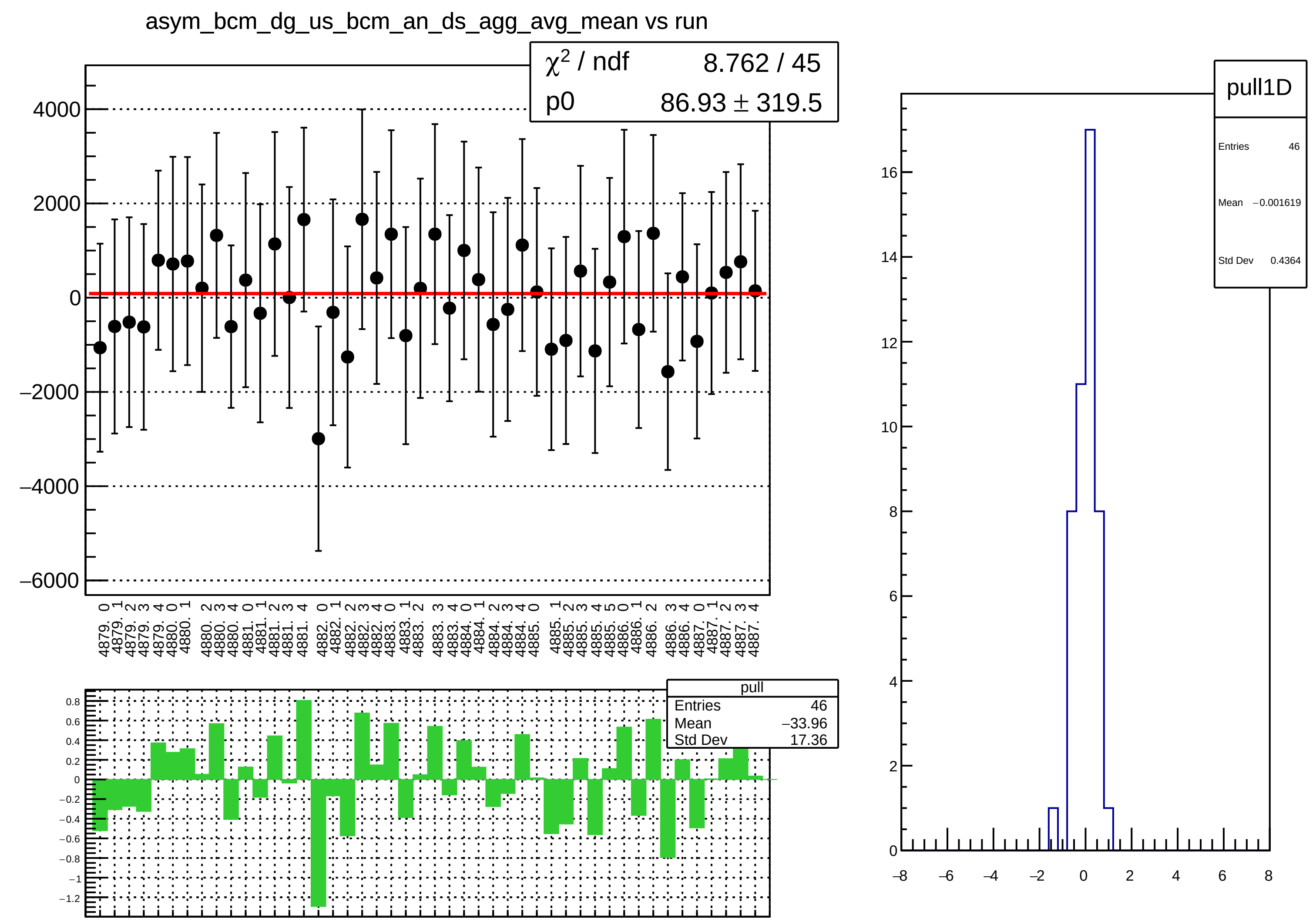
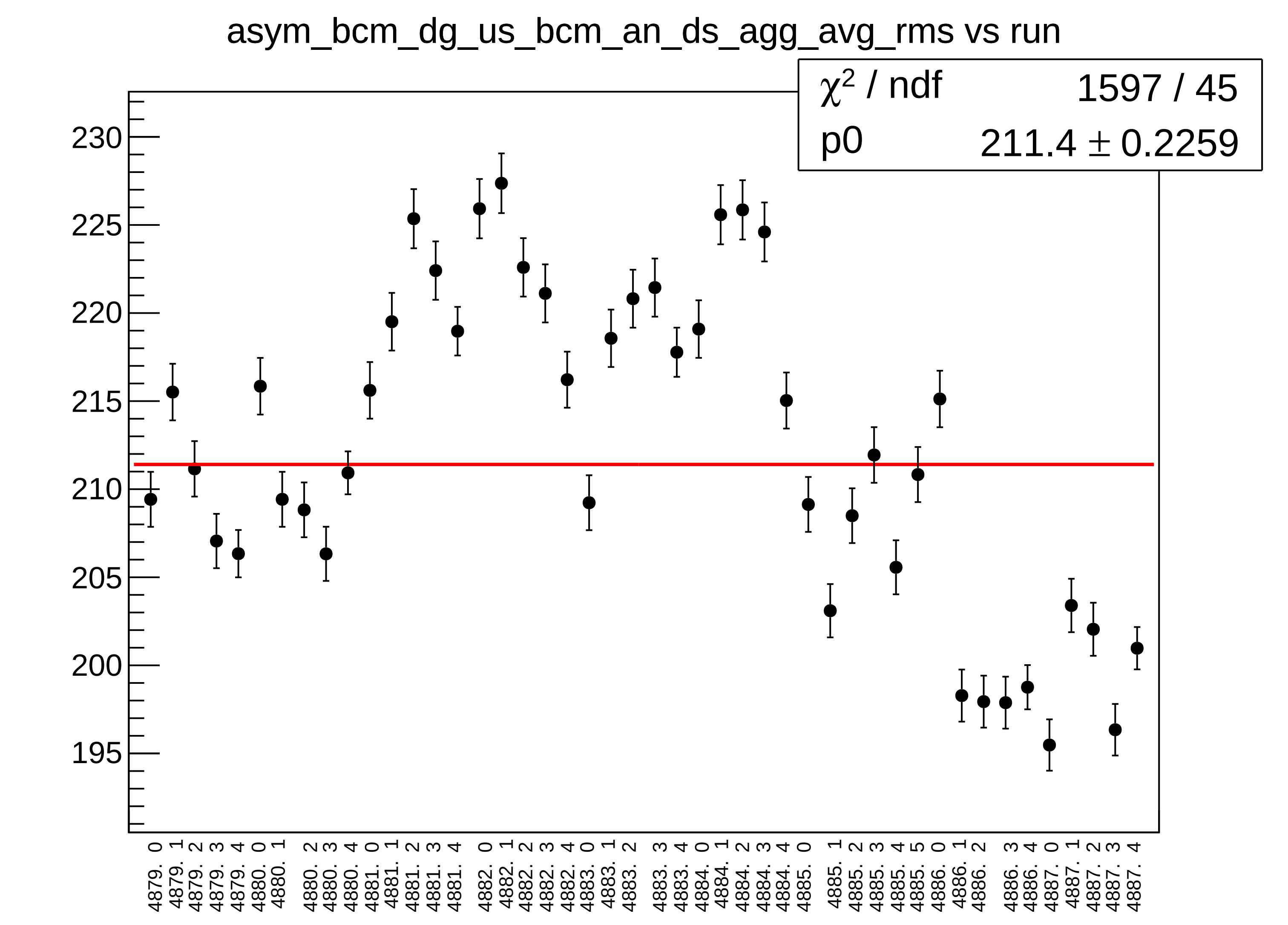
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 8.762 / 45
p0 86.93 ± 319.5
pull
Entries 46
Mean −33.96
Std Dev 17.36
pull1D
Entries 46
Mean −0.001619
Std Dev 0.4364



asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ2 / ndf 1597 / 45
p0 211.4 ± 0.2259
230
225
220
215
210
205
200
195
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
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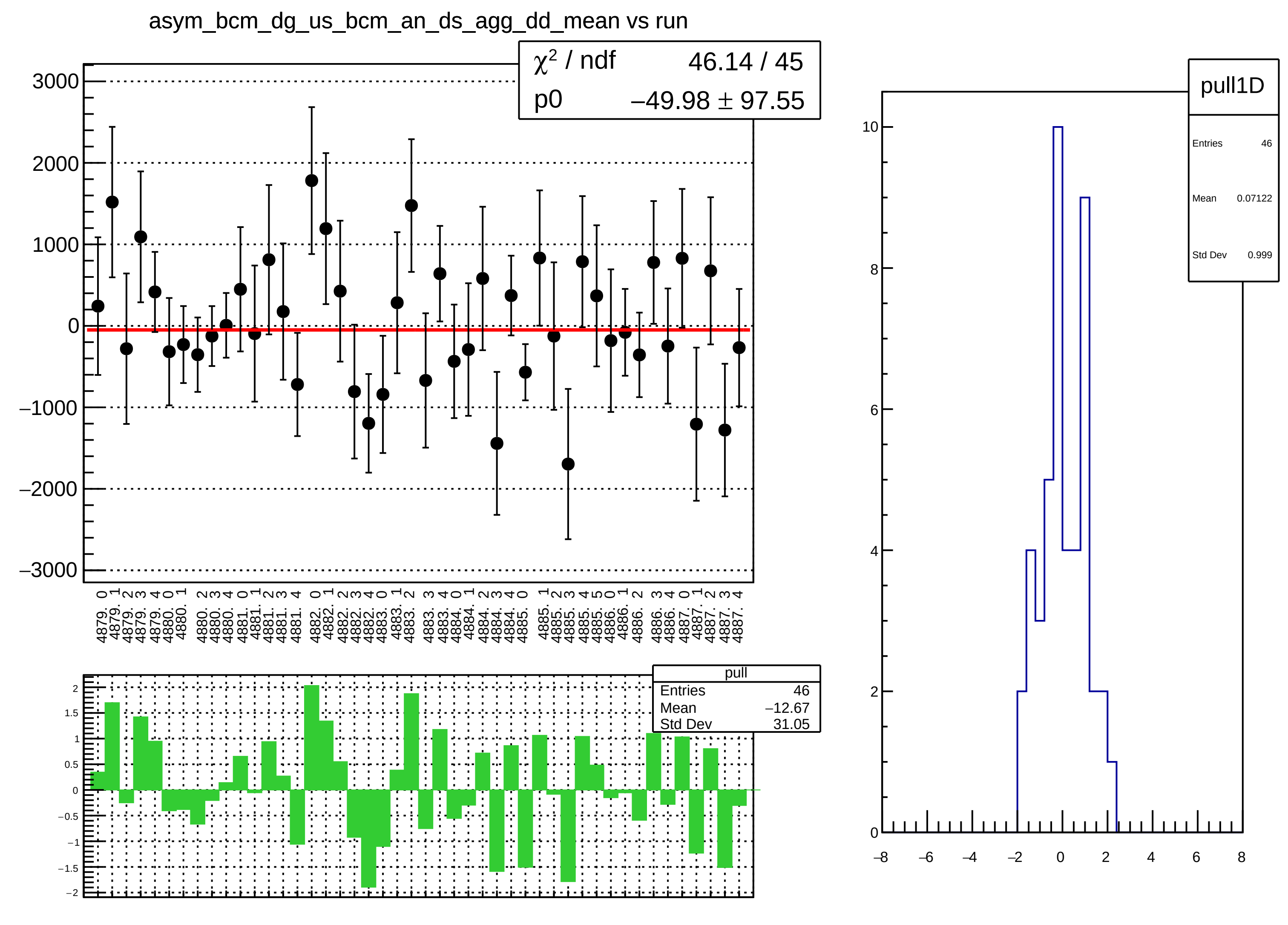
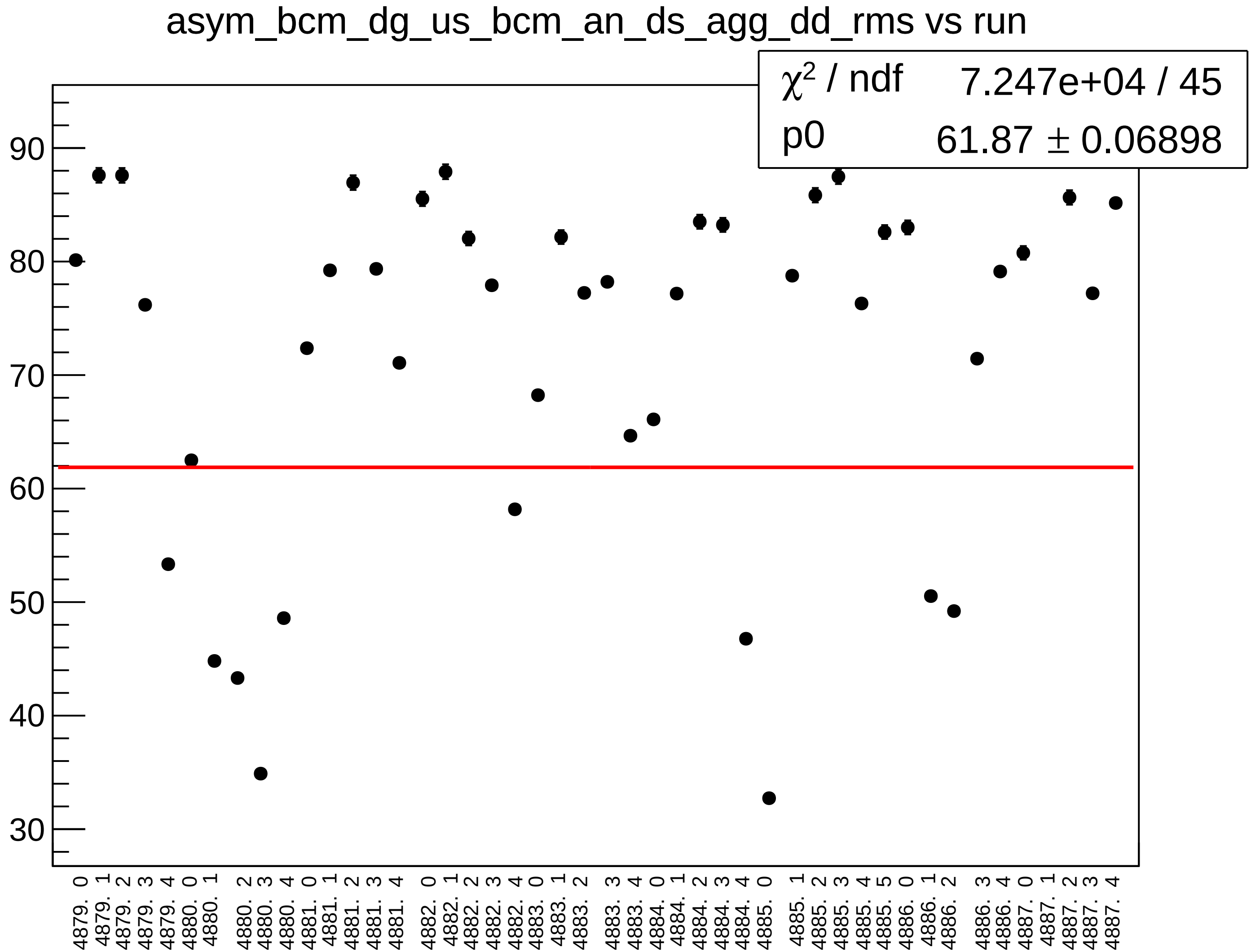
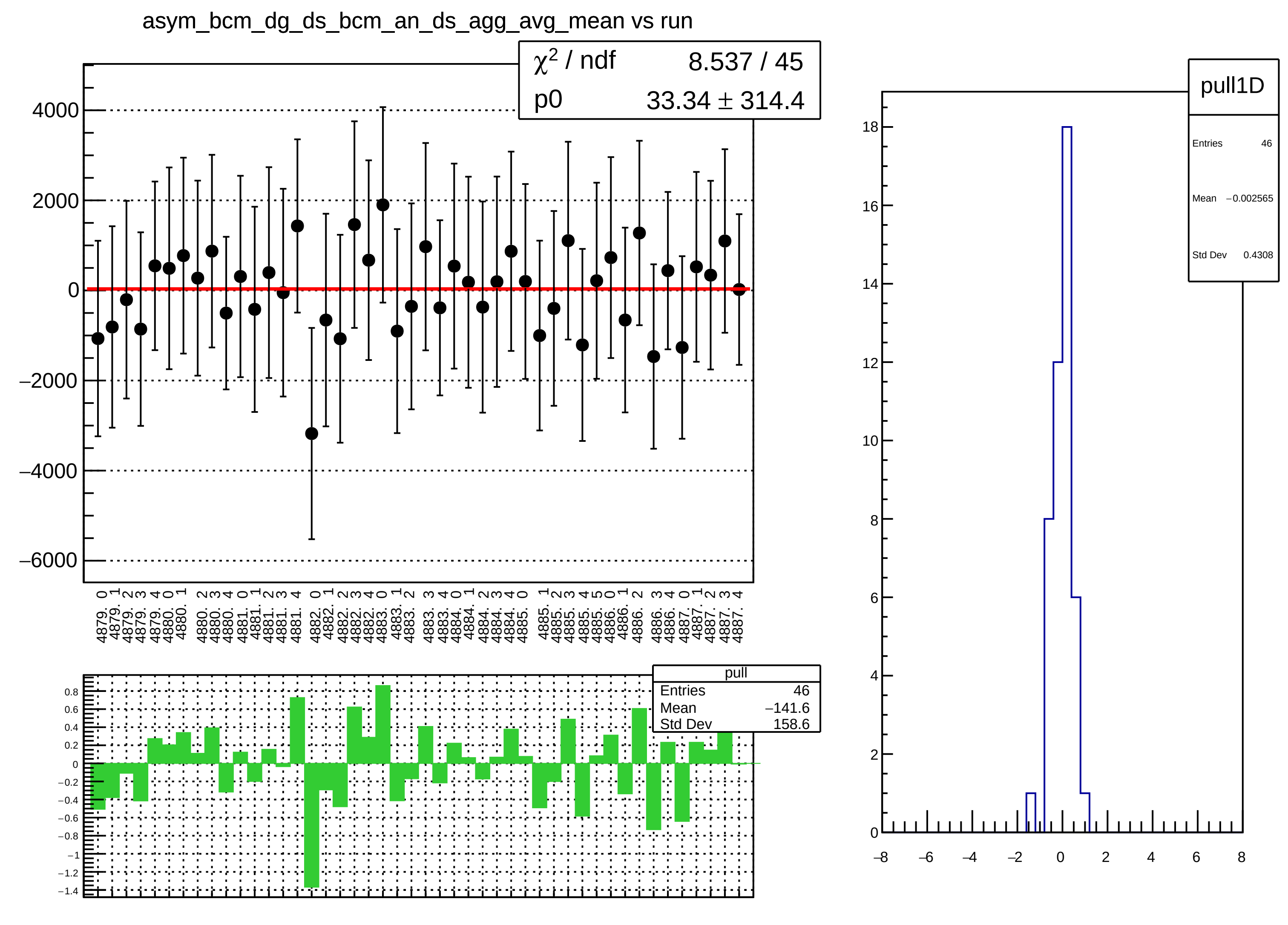
4887. 2
4887. 3
4887. 4

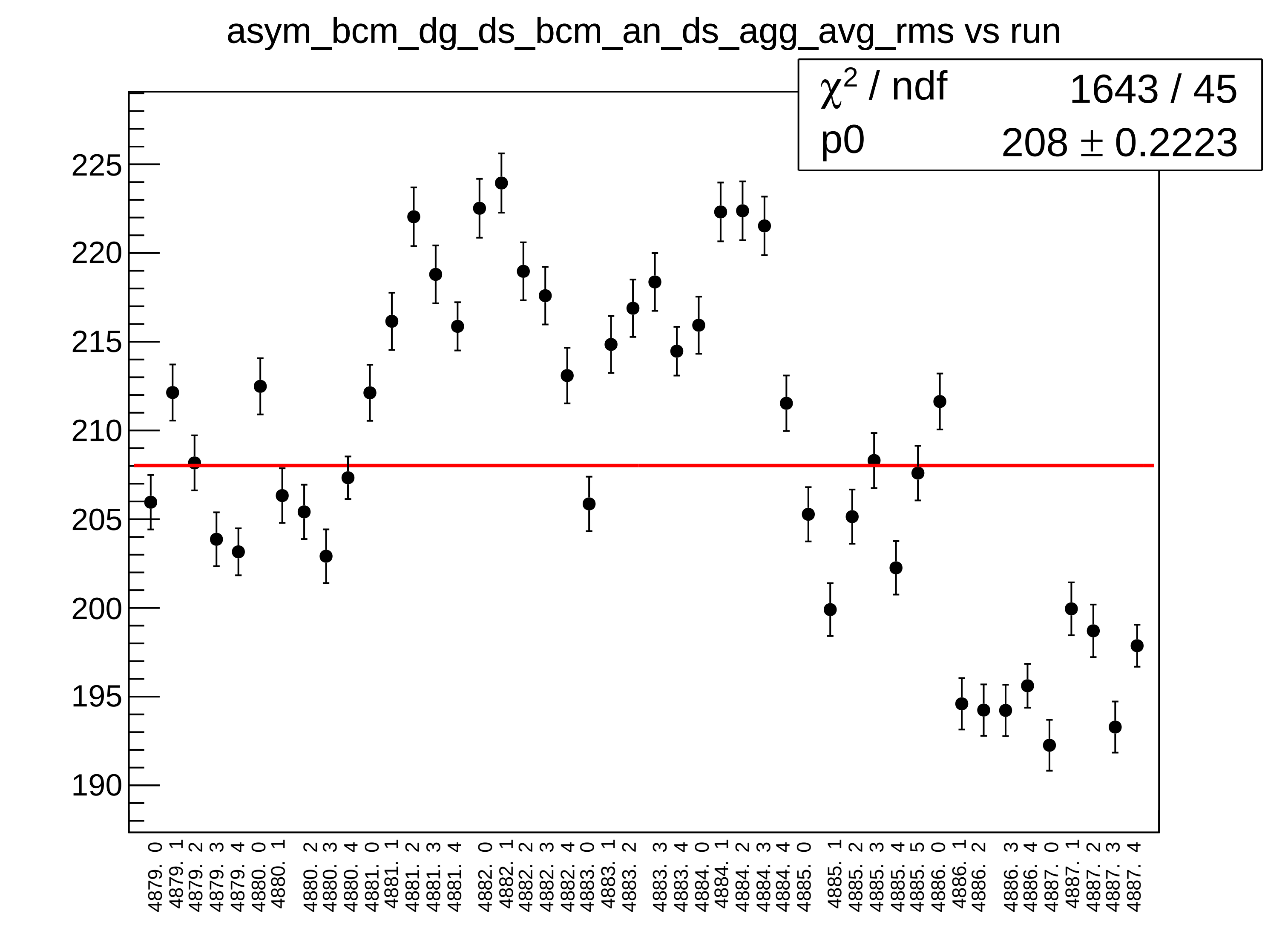


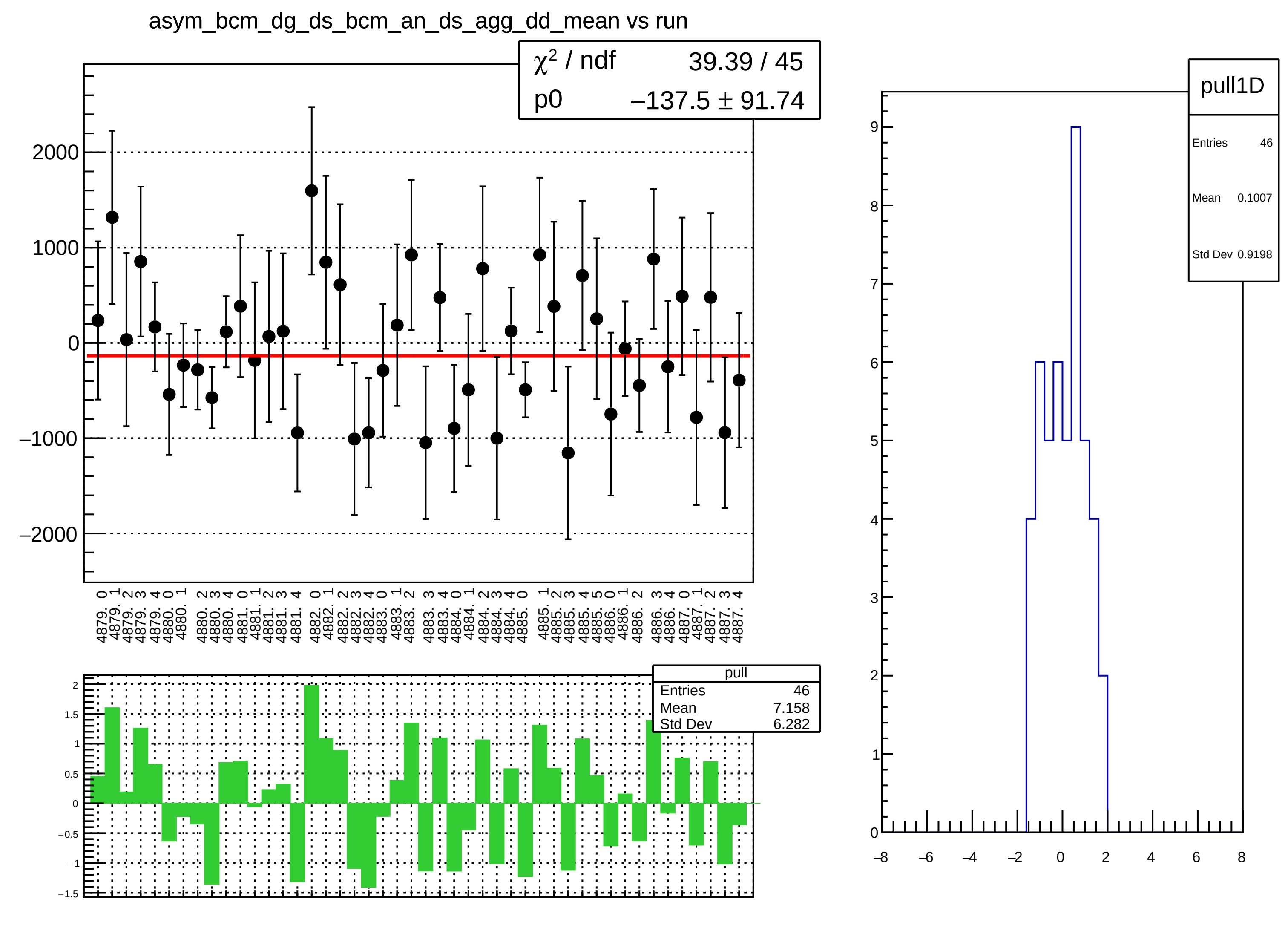
asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 46.14 / 45
p0 −49.98 ± 97.55
pull
Entries 46
Mean −12.67
Std Dev 31.05
pull1D
Entries 46
Mean 0.07122
Std Dev 0.999



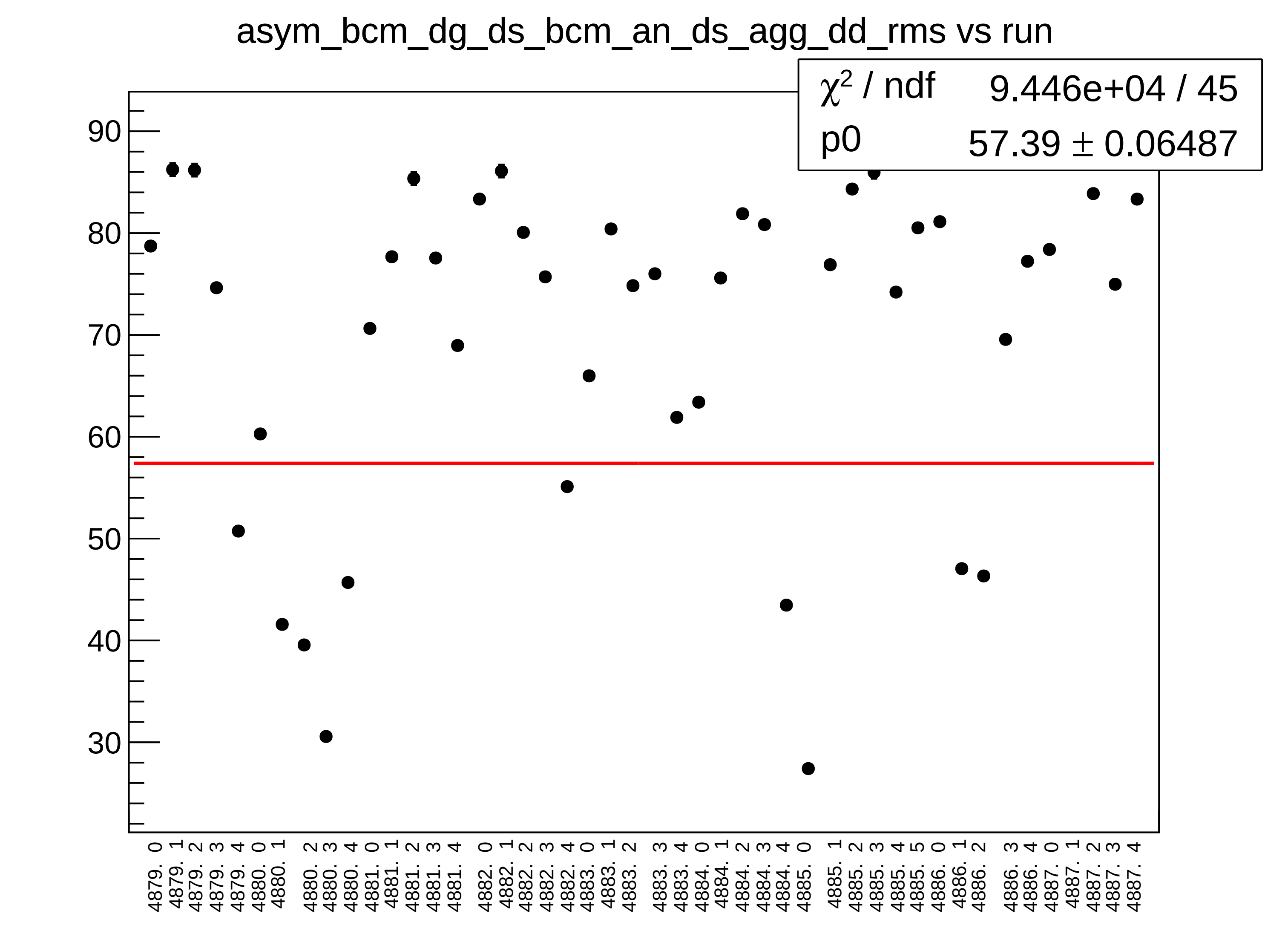
asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 7.247e+04 / 45
p0 61.87 ± 0.06898
30
40
50
60
70
80
90


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ2 / ndf 8.537 / 45
p0 33.34 ± 314.4
pull
Entries 46
Mean −141.6
Std Dev 158.6
pull1D
Entries 46
Mean −0.002565
Std Dev 0.4308


asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1643 / 45
p0 208 ± 0.2223
225
220
215
210
205
200
195
190



asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 39.39 / 45
p0 −137.5 ± 91.74
pull
Entries 46
Mean 7.158
Std Dev 6.282
pull1D
Entries 46
Mean 0.1007
Std Dev 0.9198


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ^2 / ndf 9.446e+04 / 45
p0 57.39 ± 0.06487
90
80
70
60
50
40
30
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4882. 1
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4884. 2
4884. 3
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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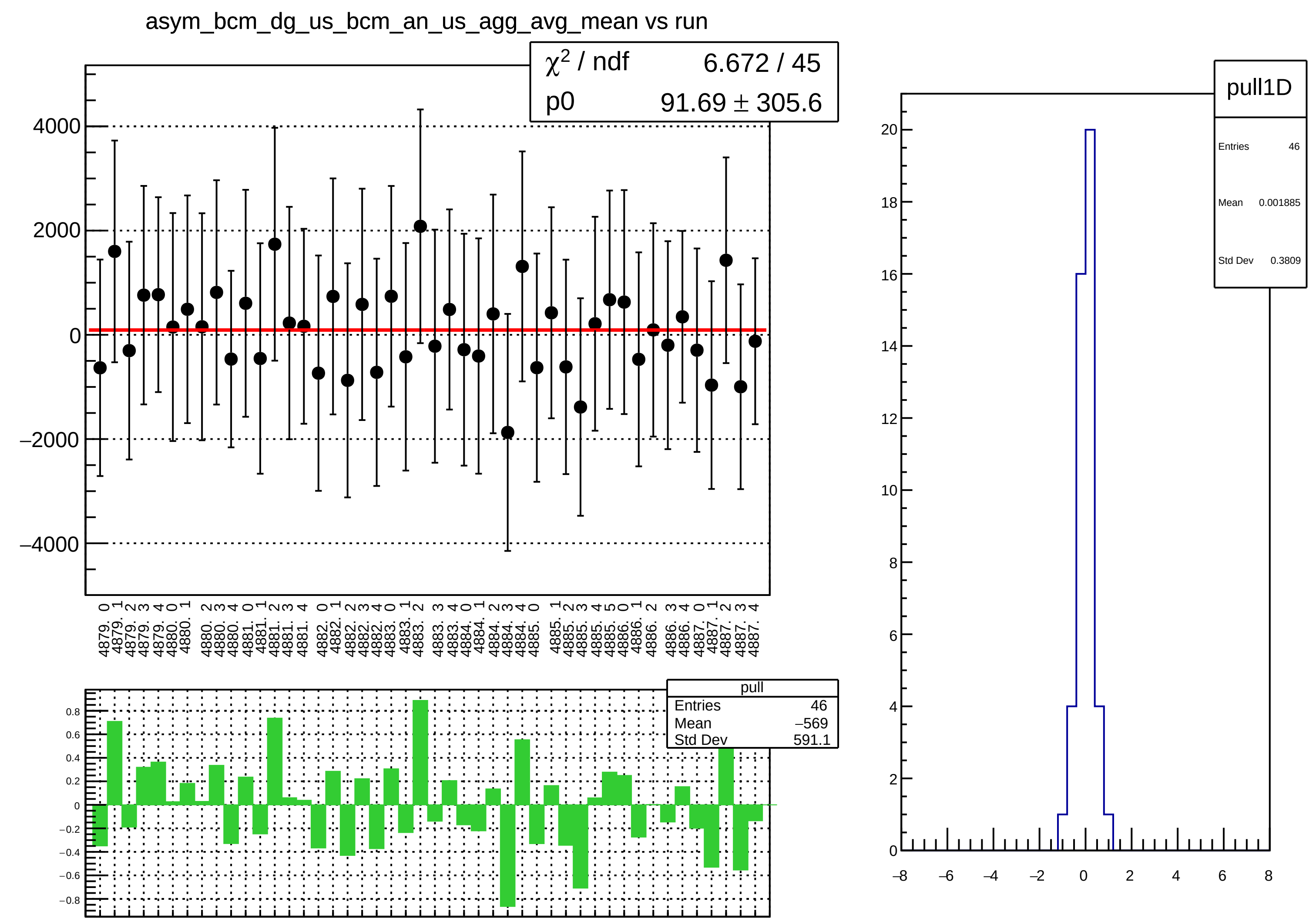
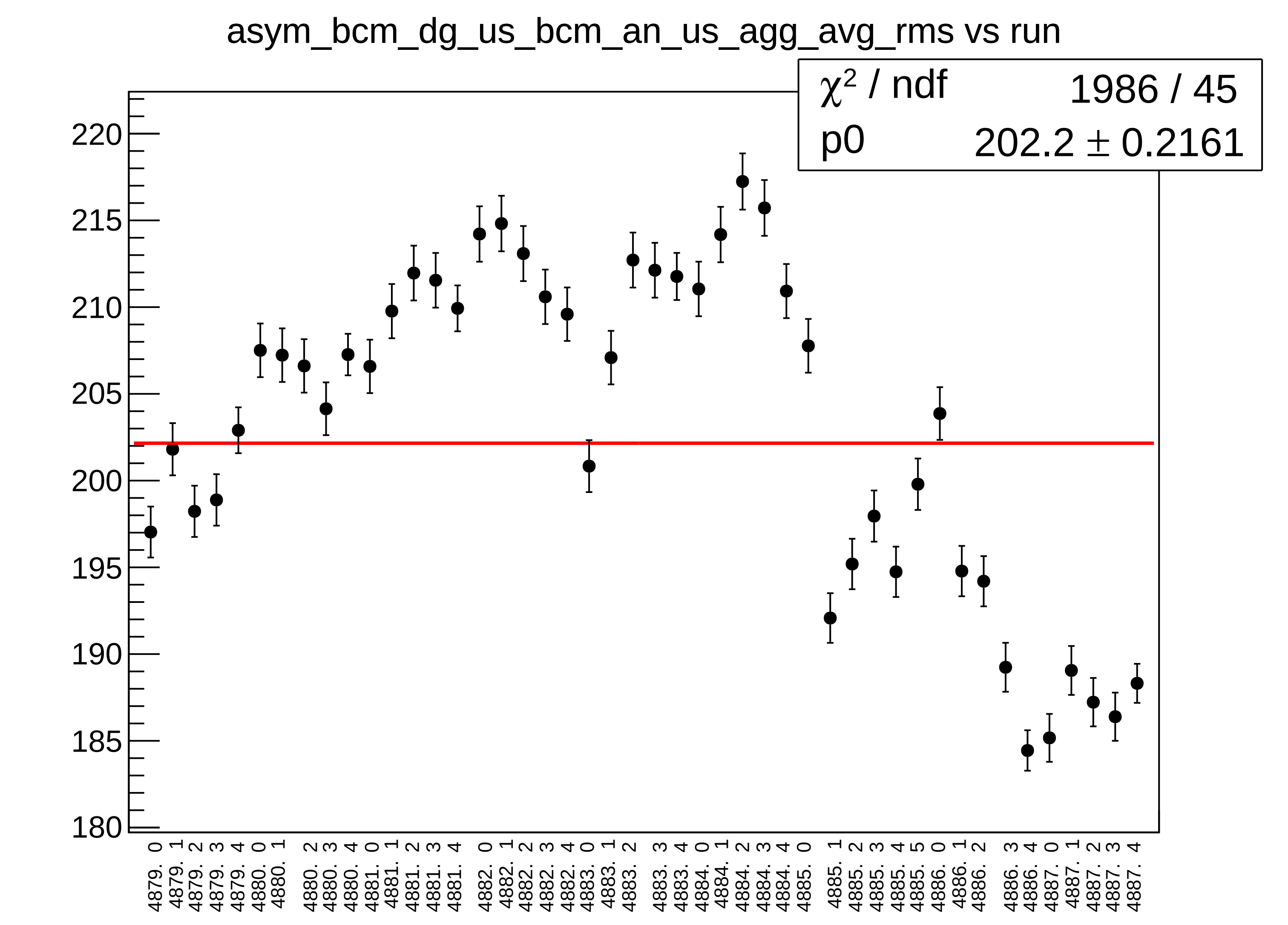
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 6.672 / 45
p0 91.69 ± 305.6
pull
Entries 46
Mean −569
Std Dev 591.1
pull1D
Entries 46
Mean 0.001885
Std Dev 0.3809



asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ^2 / ndf 1986 / 45
p0 202.2 ± 0.2161
220
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4881. 4
4882. 0
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4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
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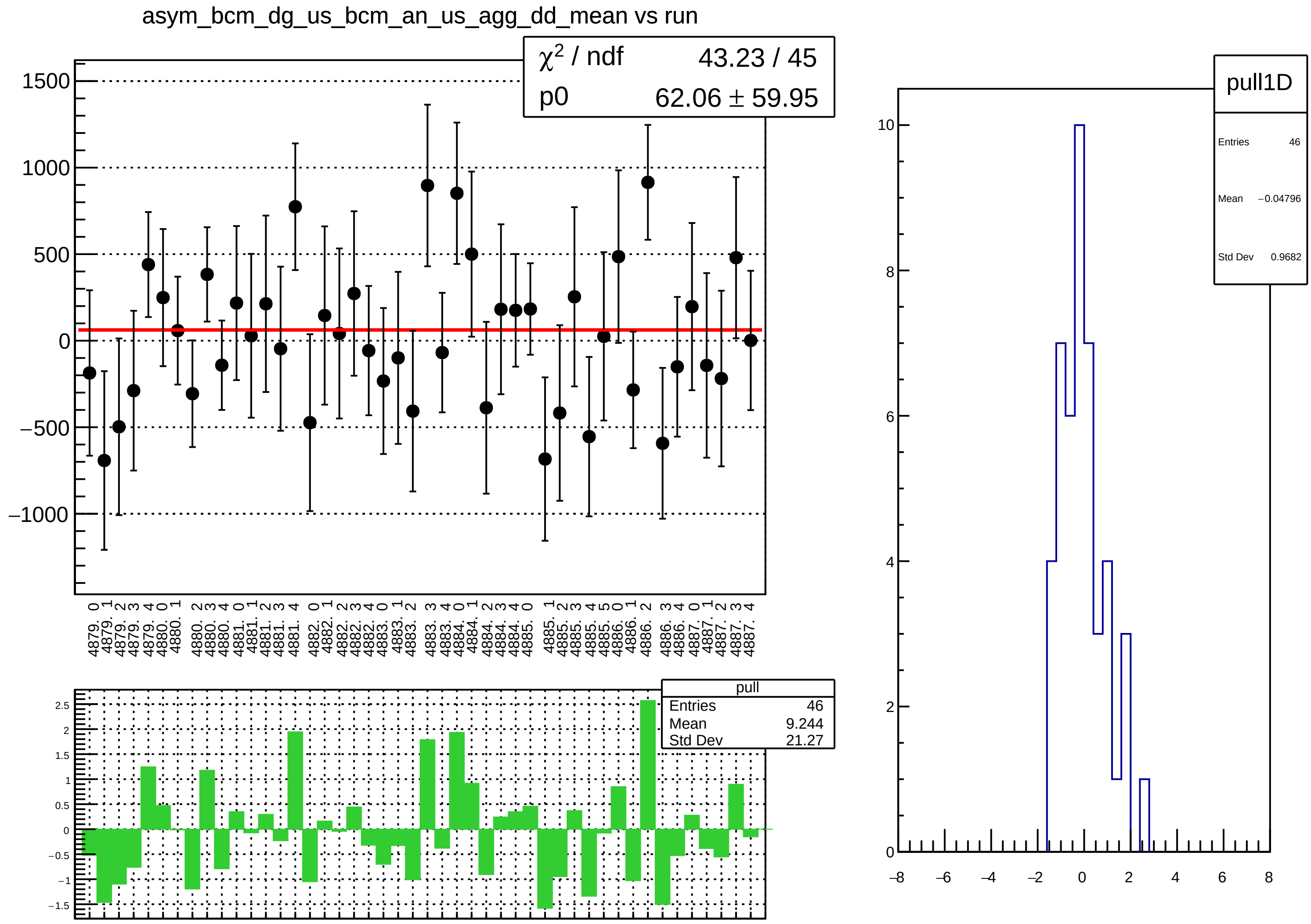
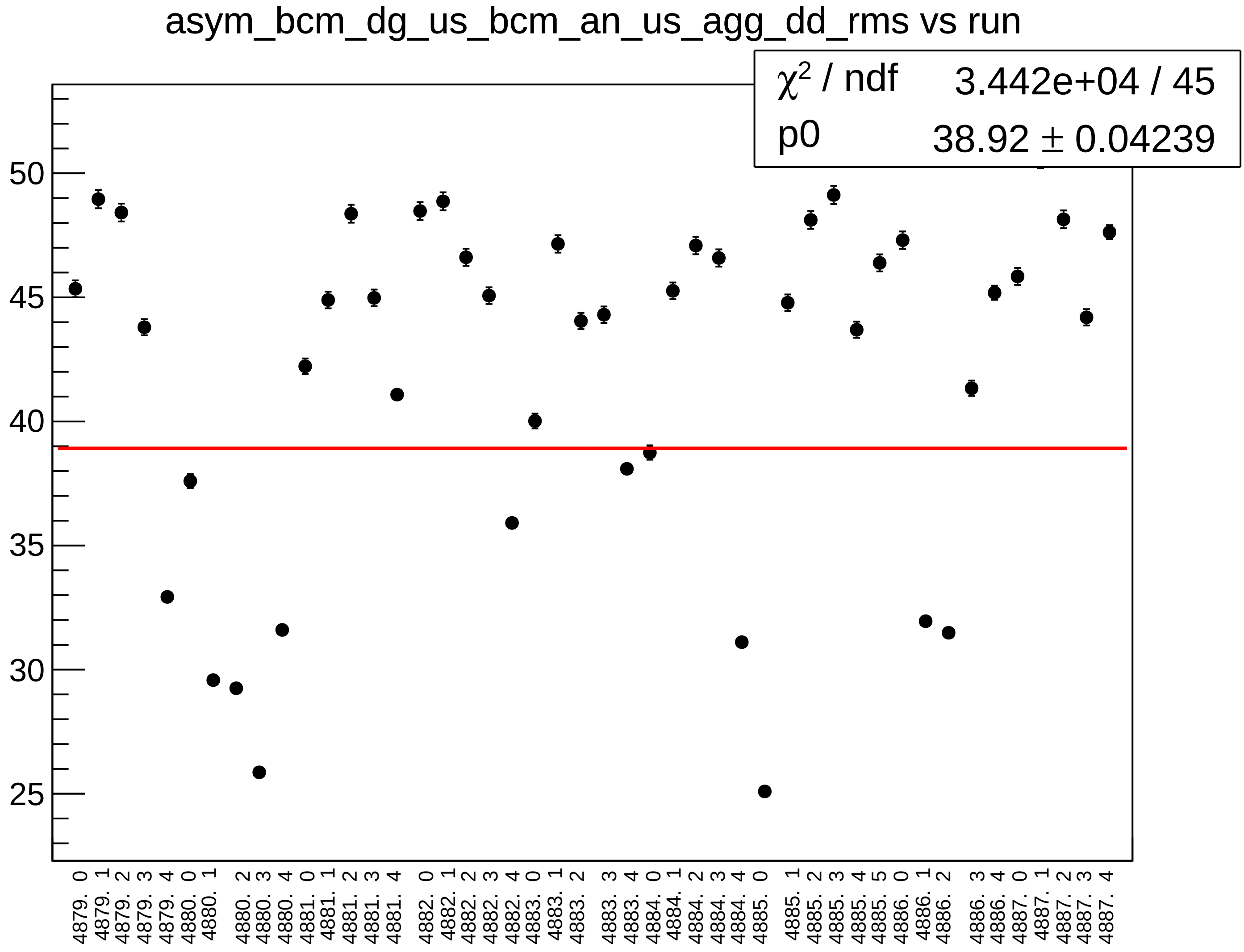
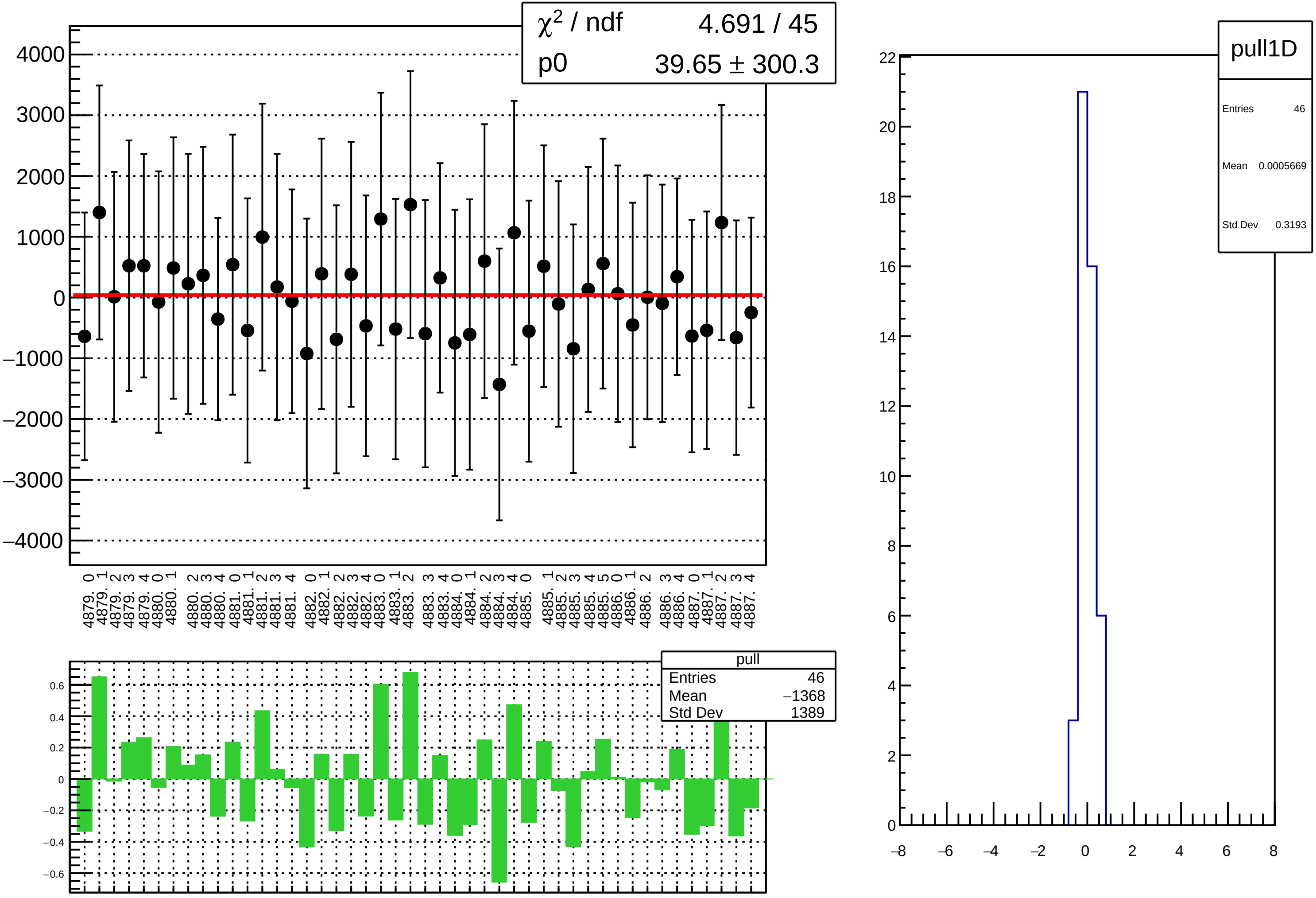
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

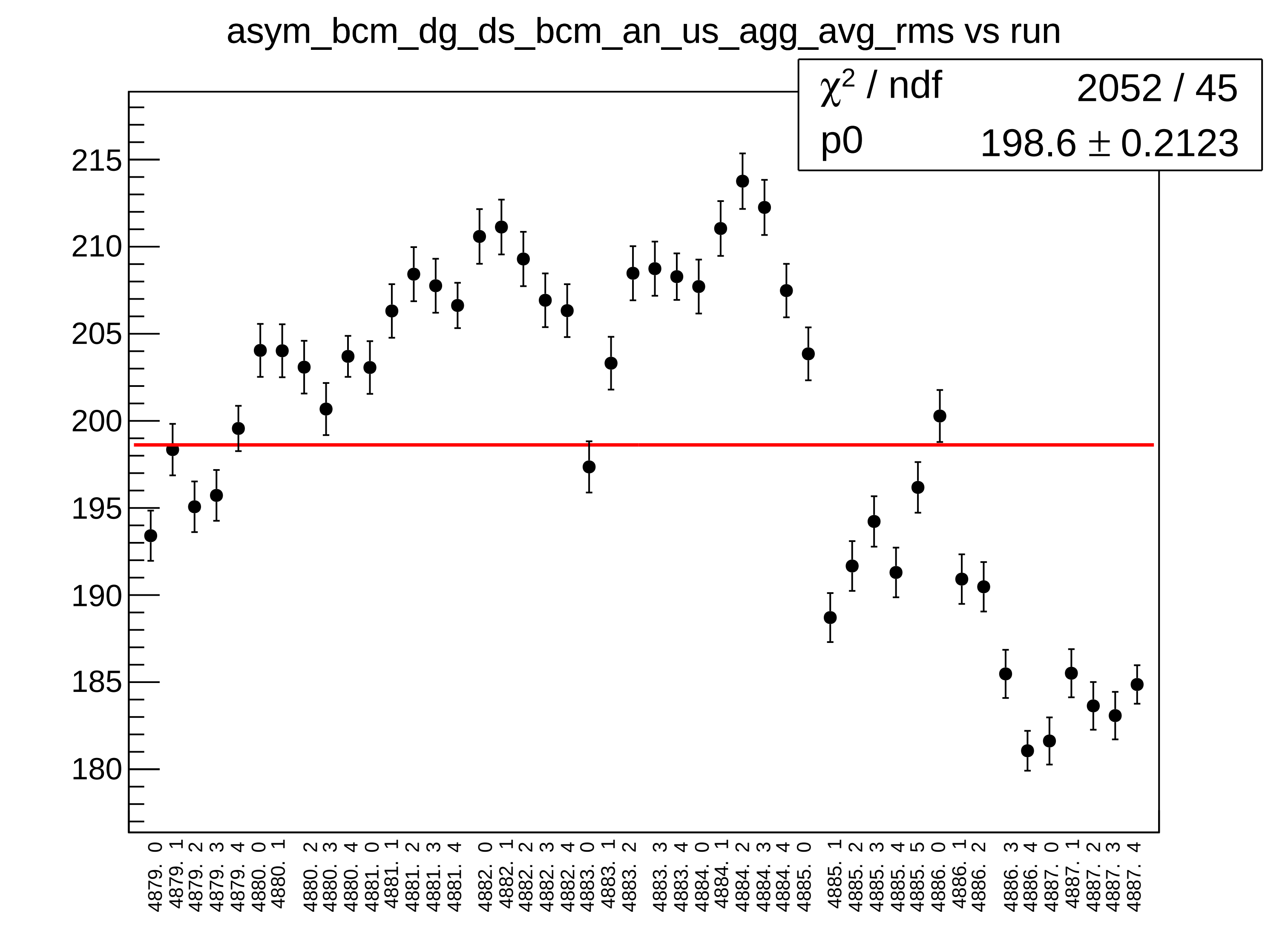

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 43.23 / 45
p0 62.06 ± 59.95
pull
Entries 46
Mean 9.244
Std Dev 21.27
pull1D
Entries 46
Mean −0.04796
Std Dev 0.9682

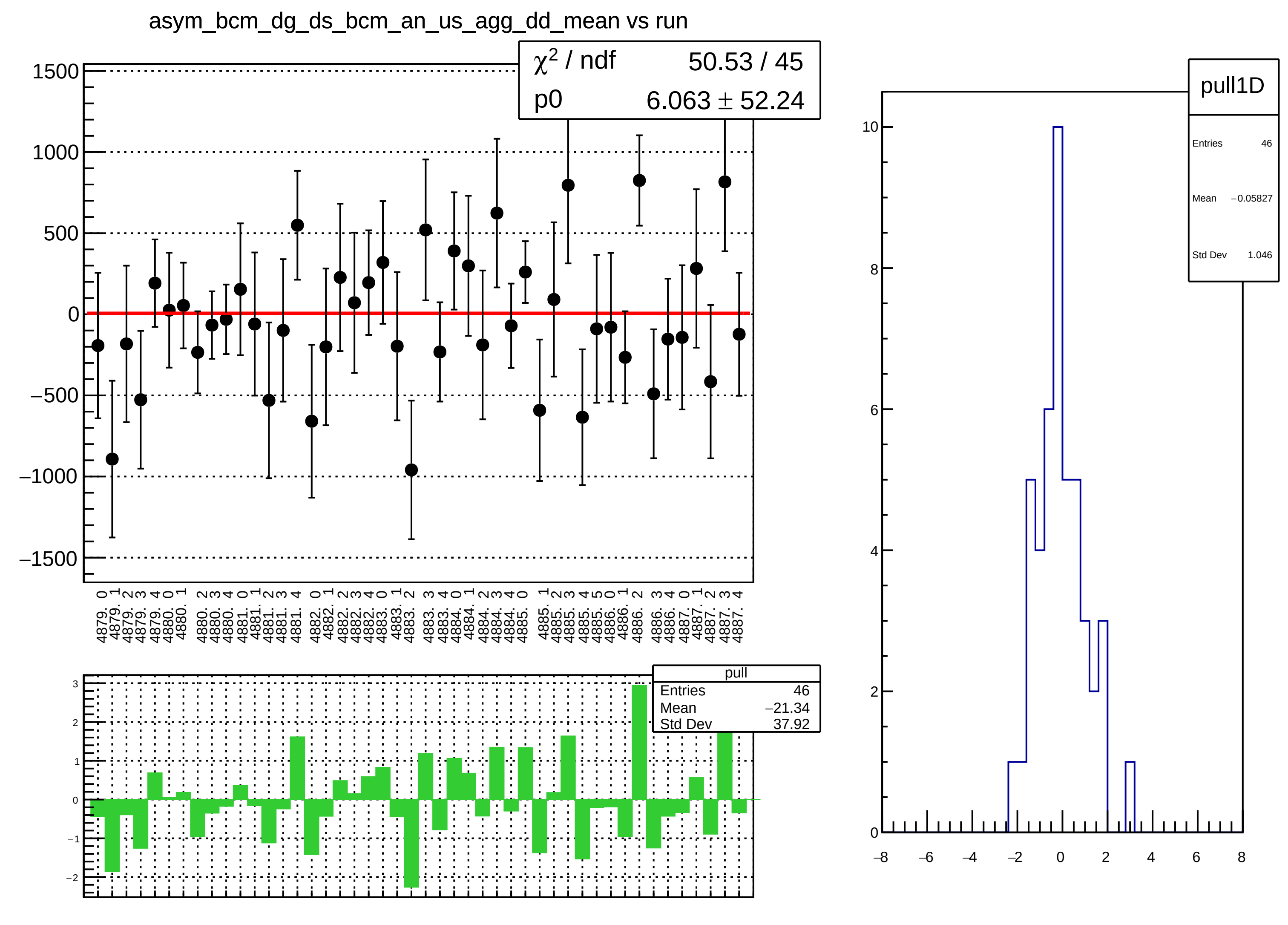


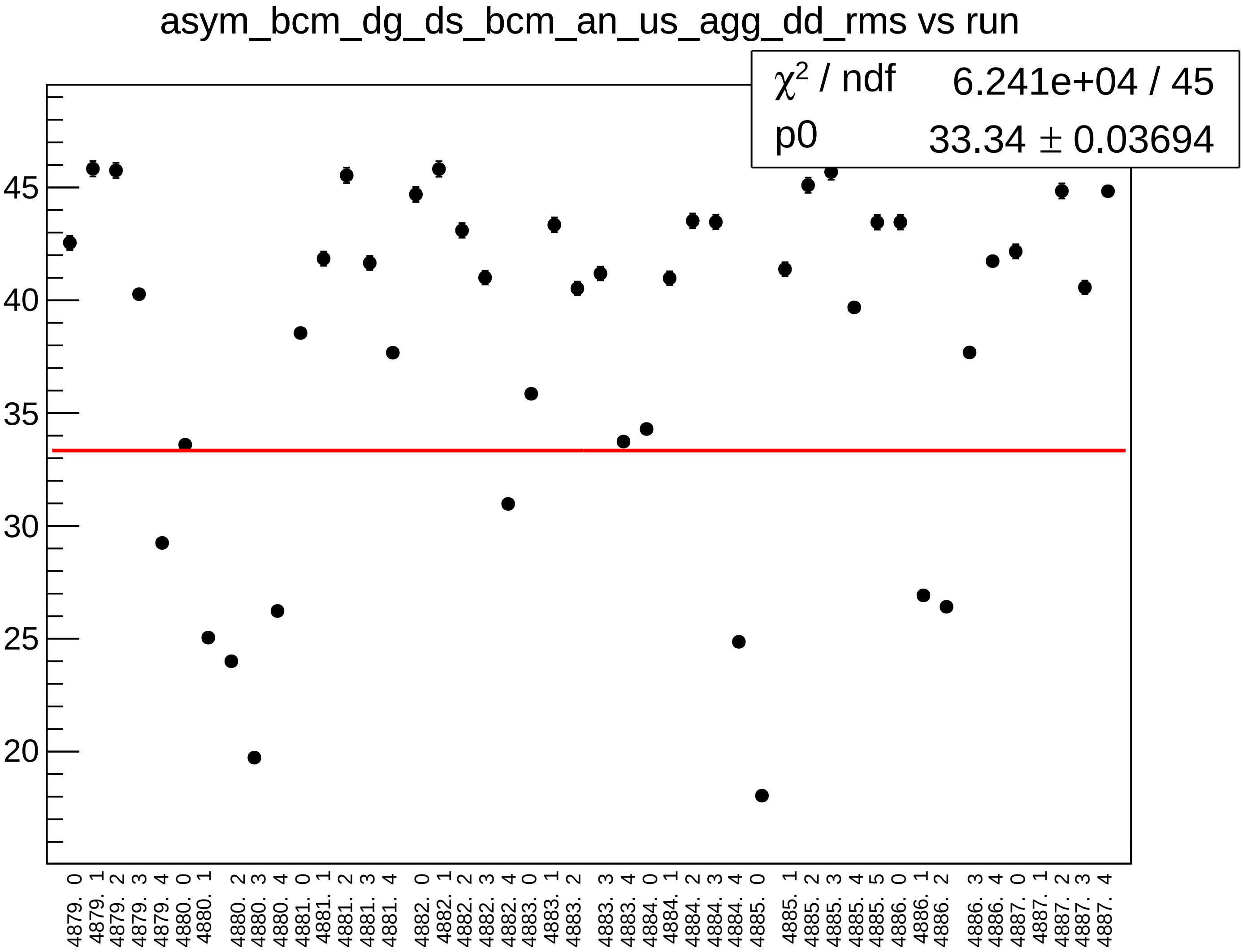
asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 3.442e+04 / 45
p0 38.92 ± 0.04239
50
45
40
35
30
25
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run




asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 2052 / 45
p0 198.6 ± 0.2123
215
210
205
200
195
190
185
180


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 50.53 / 45
p0 6.063 ± 52.24
pull
Entries 46
Mean −21.34
Std Dev 37.92
pull1D
Entries 46
Mean −0.05827
Std Dev 1.046


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ^2 / ndf 6.241e+04 / 45
p0 33.34 ± 0.03694
45
40
35
30
25
20
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
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4881. 0
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4882. 0
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4884. 2
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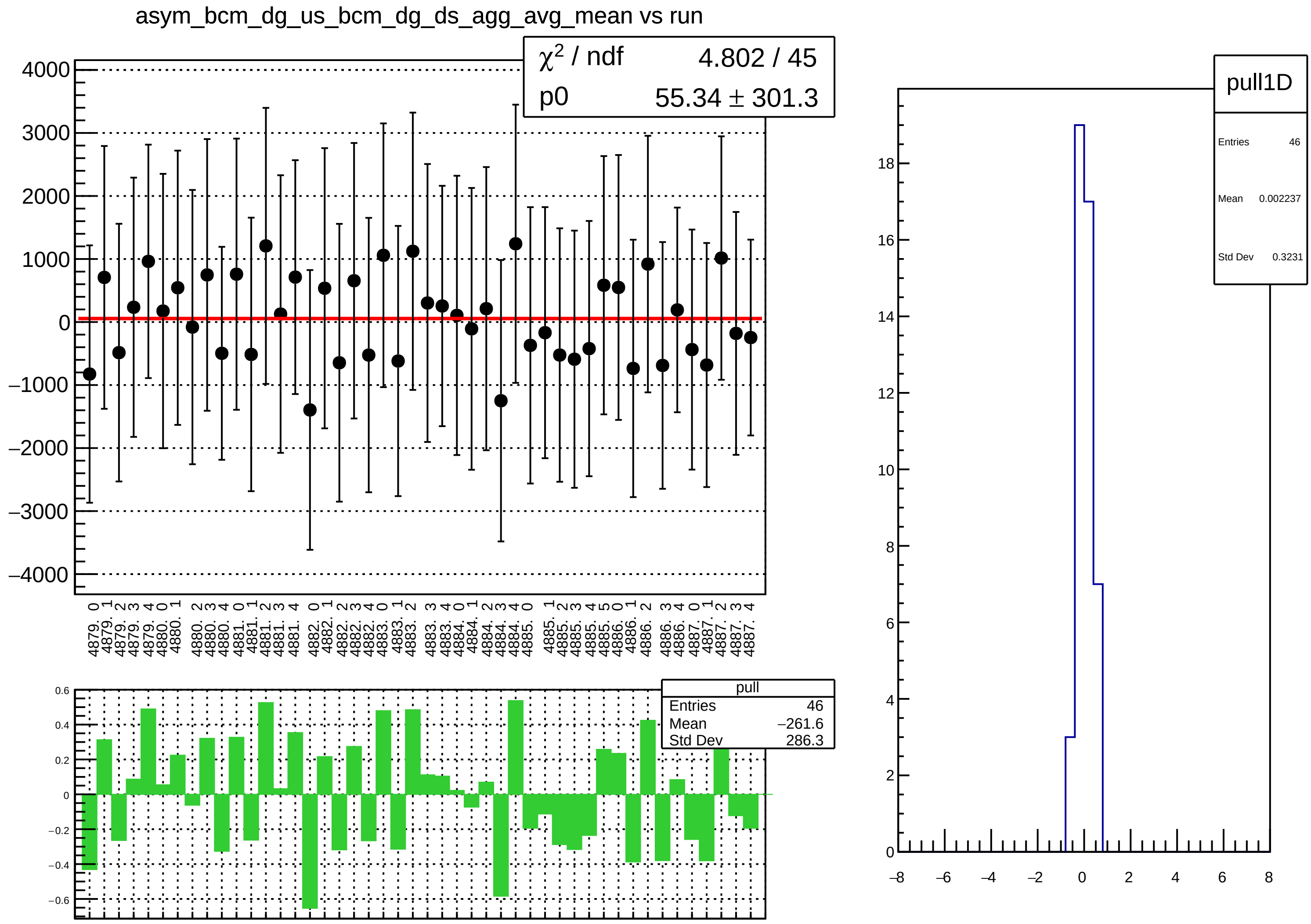
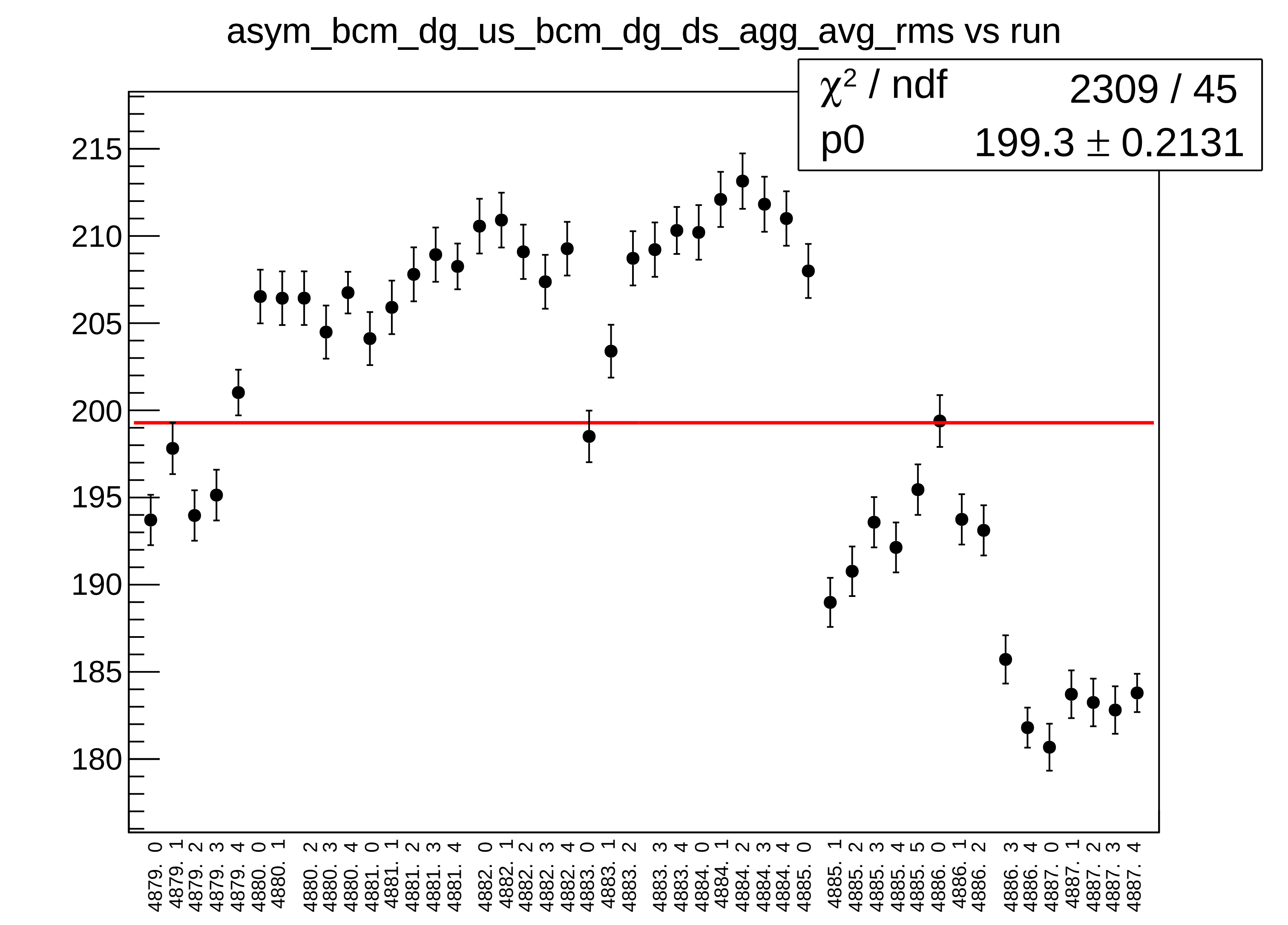
4887. 3
4887. 4



asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 4.802 / 45
p0 55.34 ± 301.3
pull
Entries 46
Mean −261.6
Std Dev 286.3
pull1D
Entries 46
Mean 0.002237
Std Dev 0.3231


asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2309 / 45
p0 199.3 ± 0.2131
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
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4885. 5
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4887. 0
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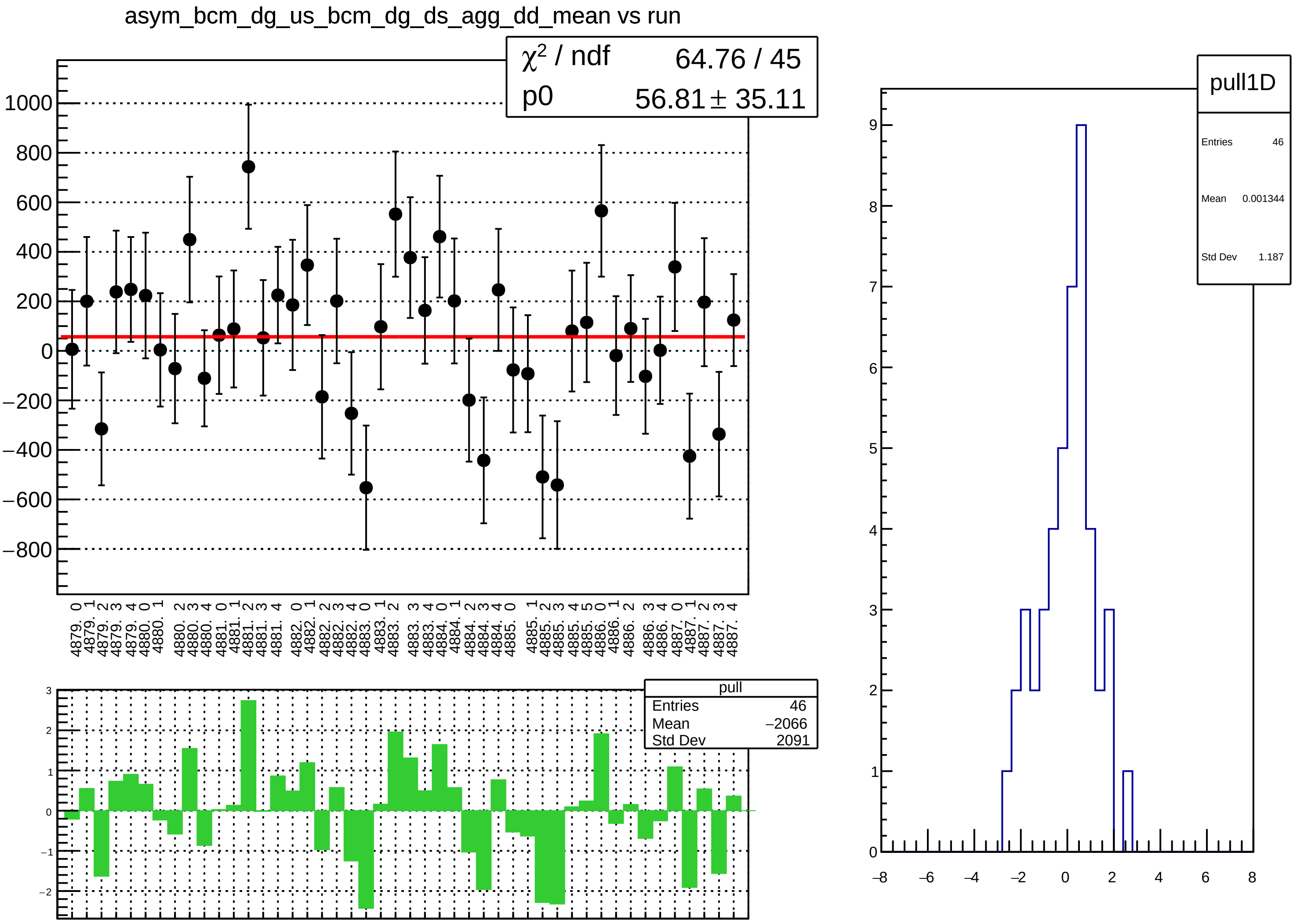
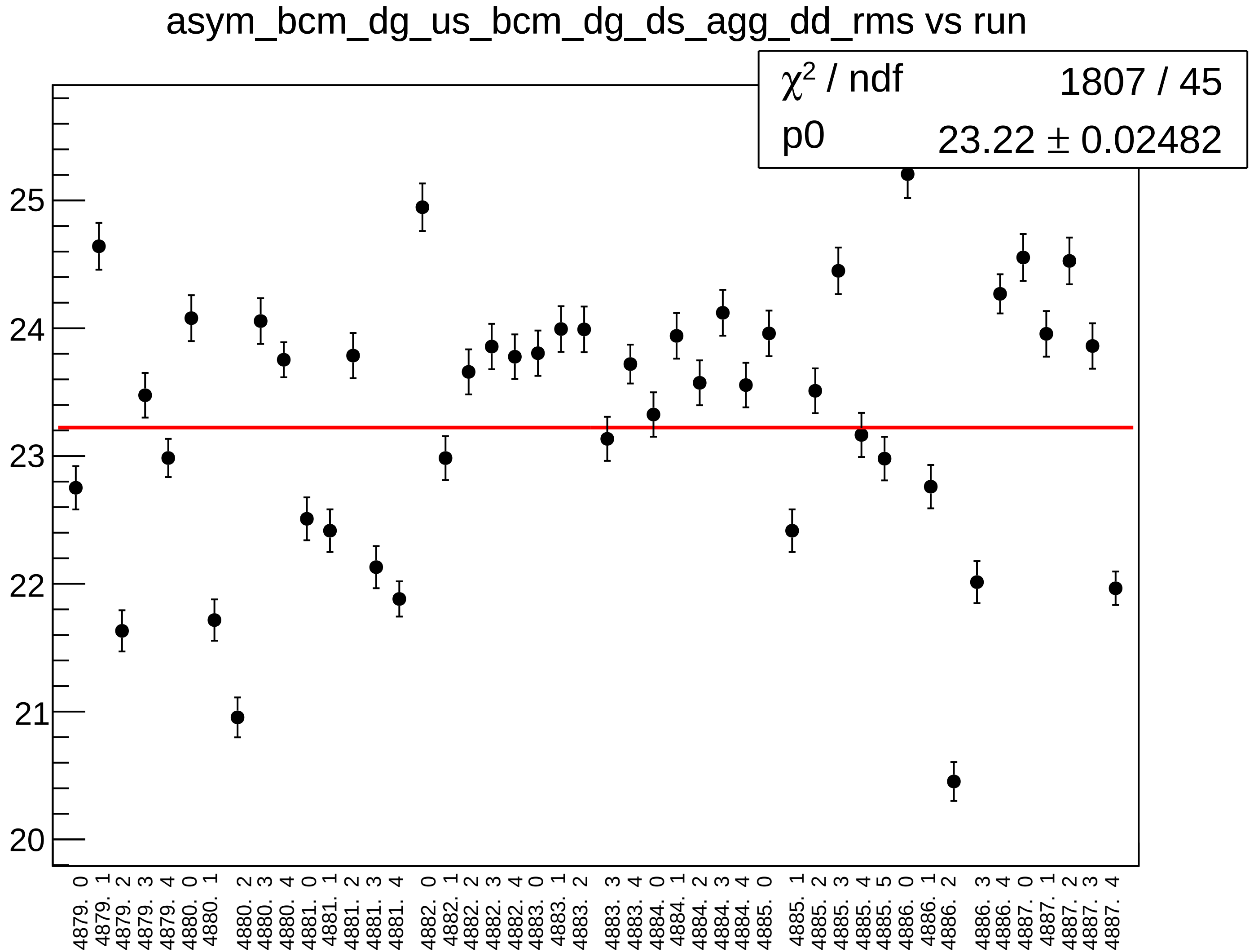
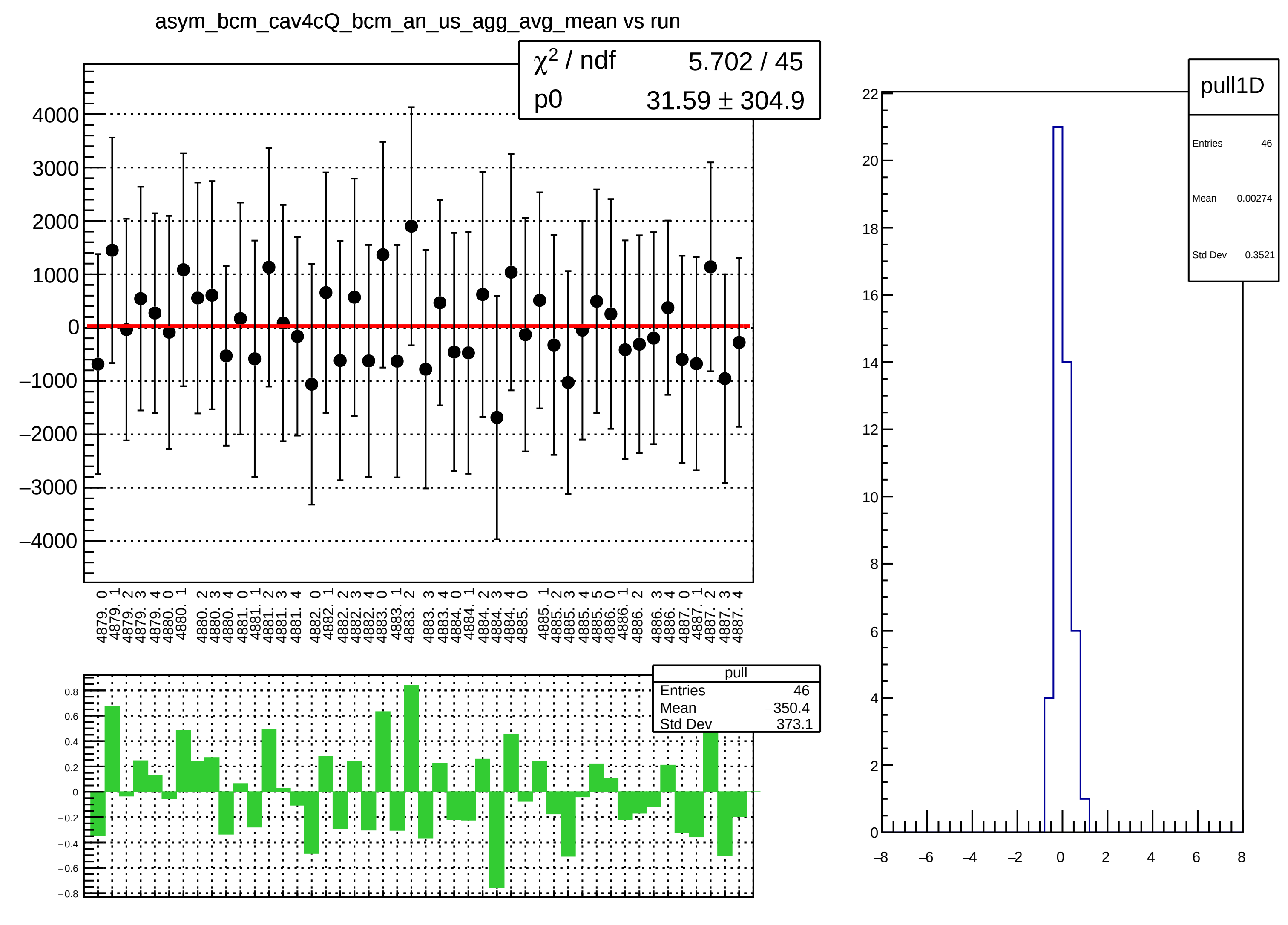
4887. 3
4887. 4



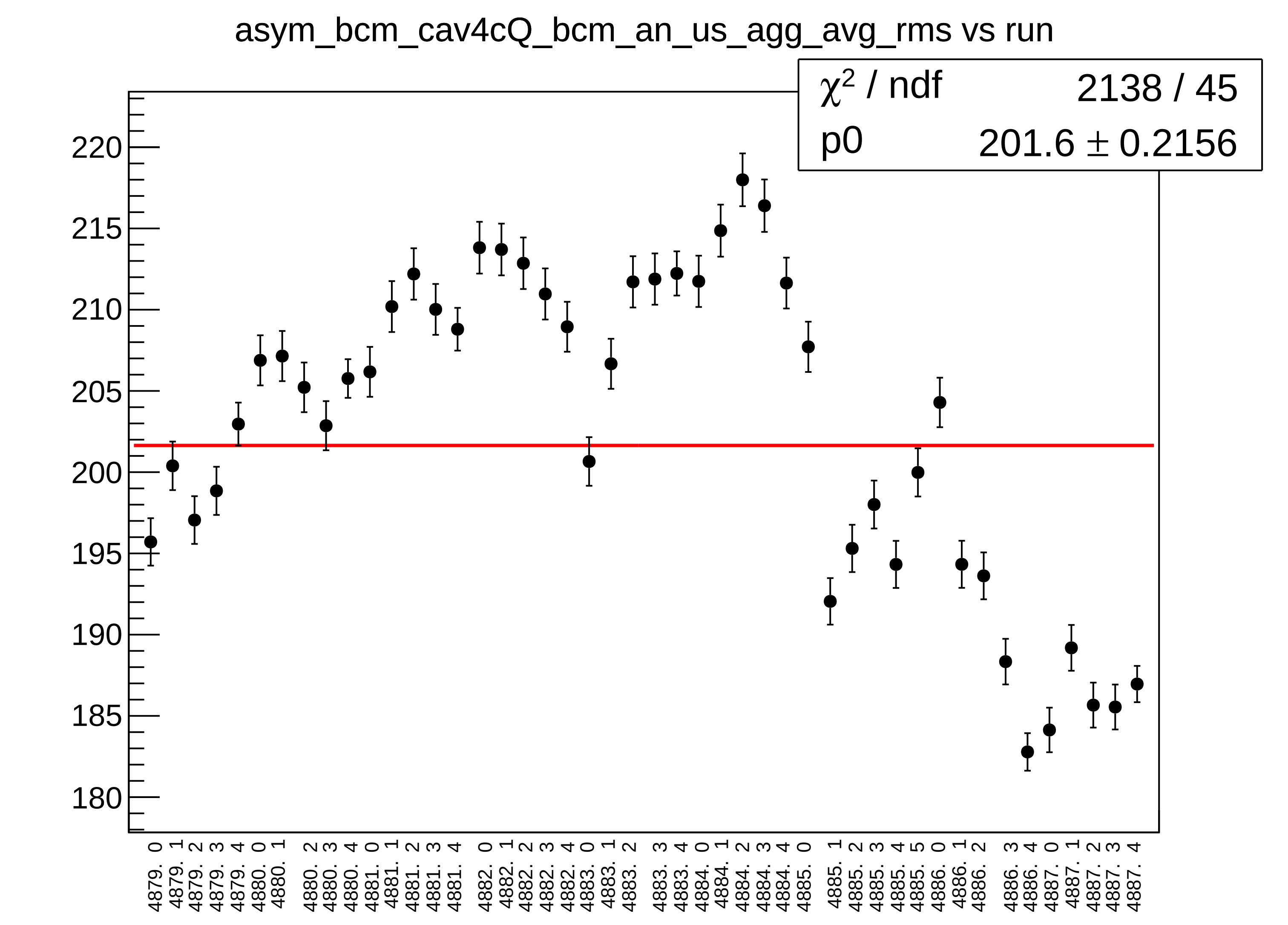
asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 64.76 / 45
p0 56.81 ± 35.11
pull
Entries 46
Mean −2066
Std Dev 2091
pull1D
Entries 46
Mean 0.001344
Std Dev 1.187



asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 1807 / 45
p0 23.22 ± 0.02482



asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ^2 / ndf 5.702 / 45
p0 31.59 ± 304.9
pull
Entries 46
Mean −350.4
Std Dev 373.1
pull1D
Entries 46
Mean 0.00274
Std Dev 0.3521


asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ2 / ndf 2138 / 45
p0 201.6 ± 0.2156
220
215
210
205
200
195
190
185
180
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
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4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
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4885.5
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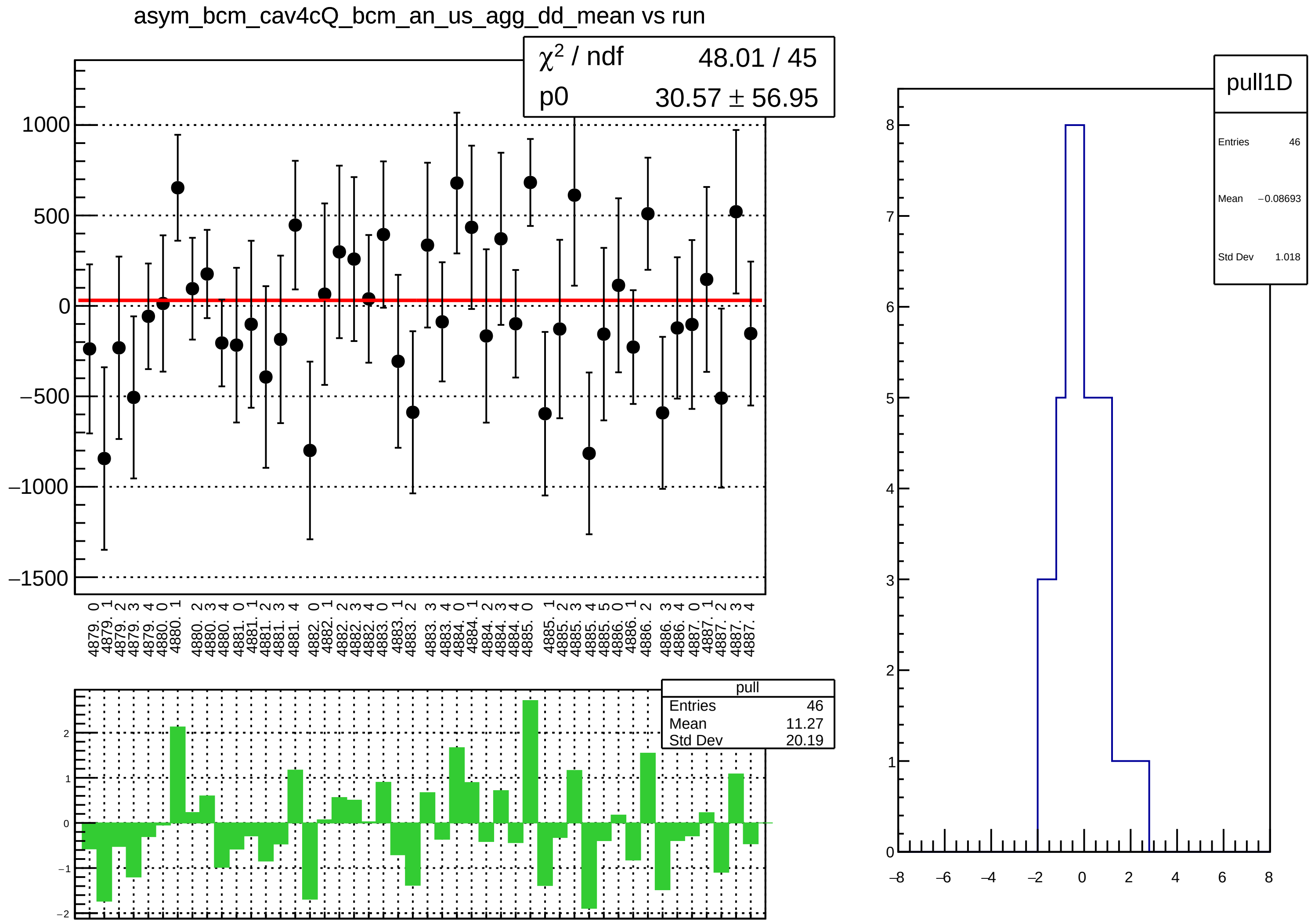
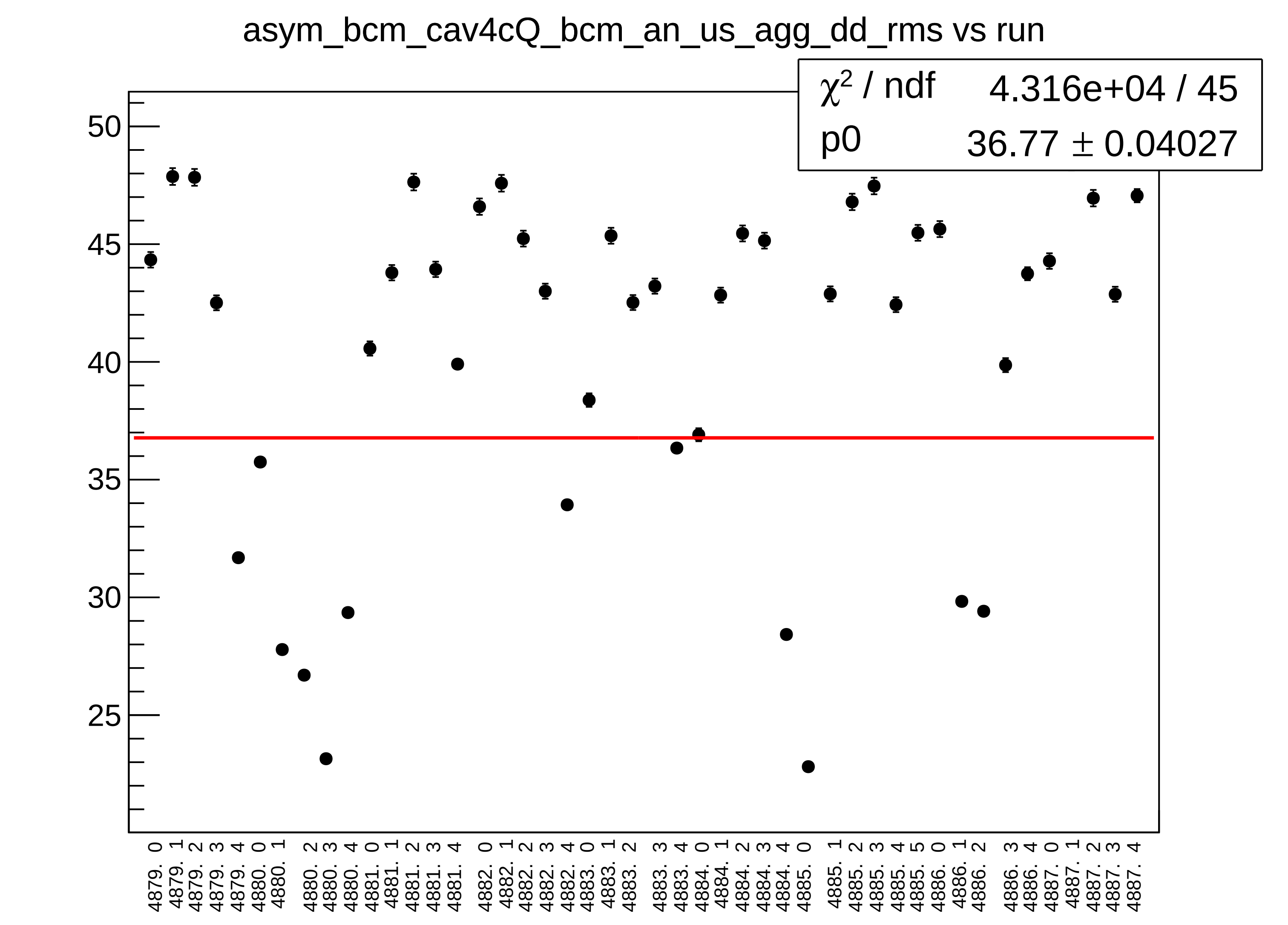
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ^2 / ndf 48.01 / 45
p0 30.57 ± 56.95
pull
Entries 46
Mean 11.27
Std Dev 20.19
pull1D
Entries 46
Mean −0.08693
Std Dev 1.018


asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ2 / ndf 4.316e+04 / 45
p0 36.77 ± 0.04027
50
45
40
35
30
25
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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4884. 0
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4884. 2
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4885. 2
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4885. 4
4885. 5
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4887. 0
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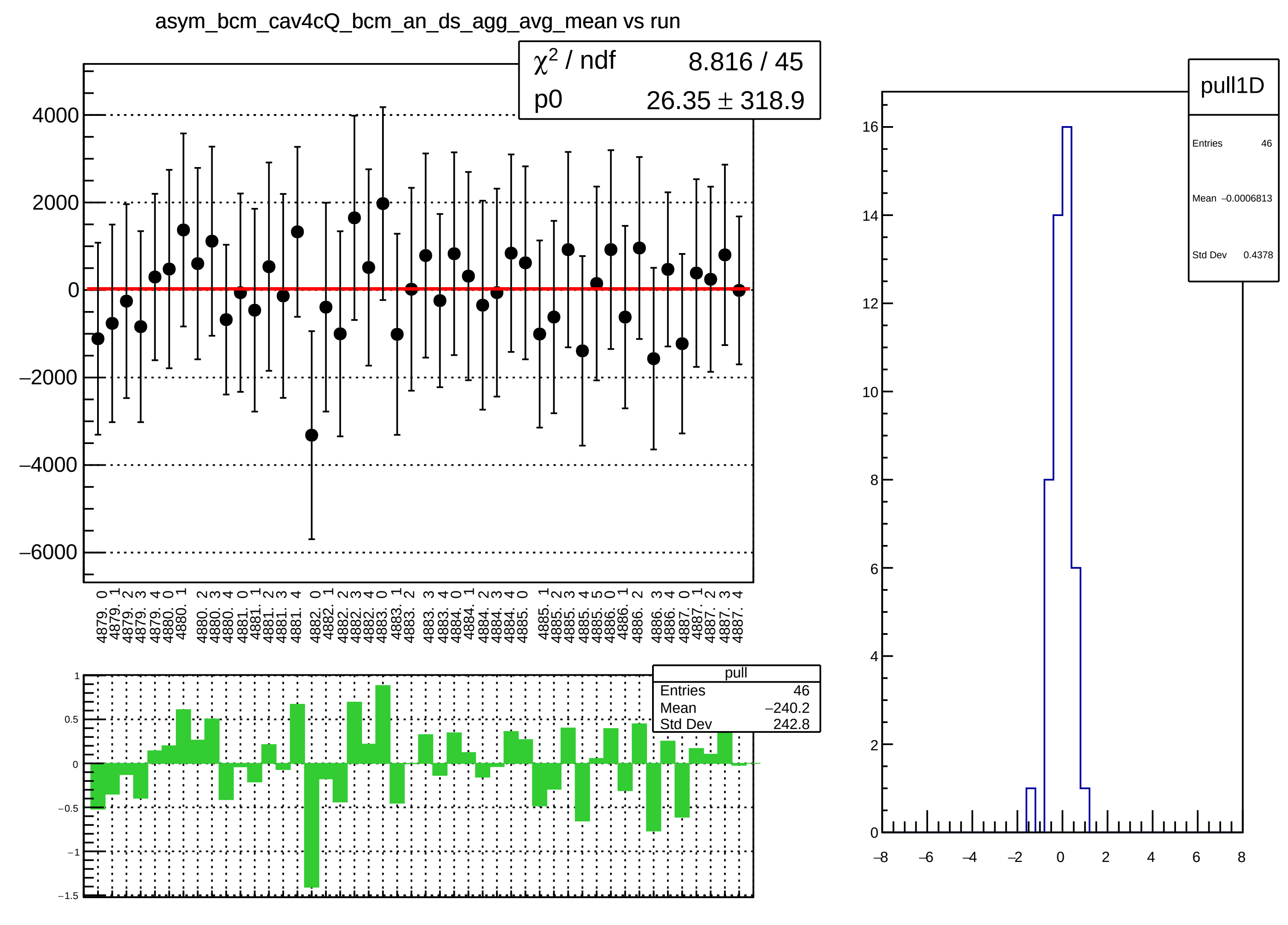
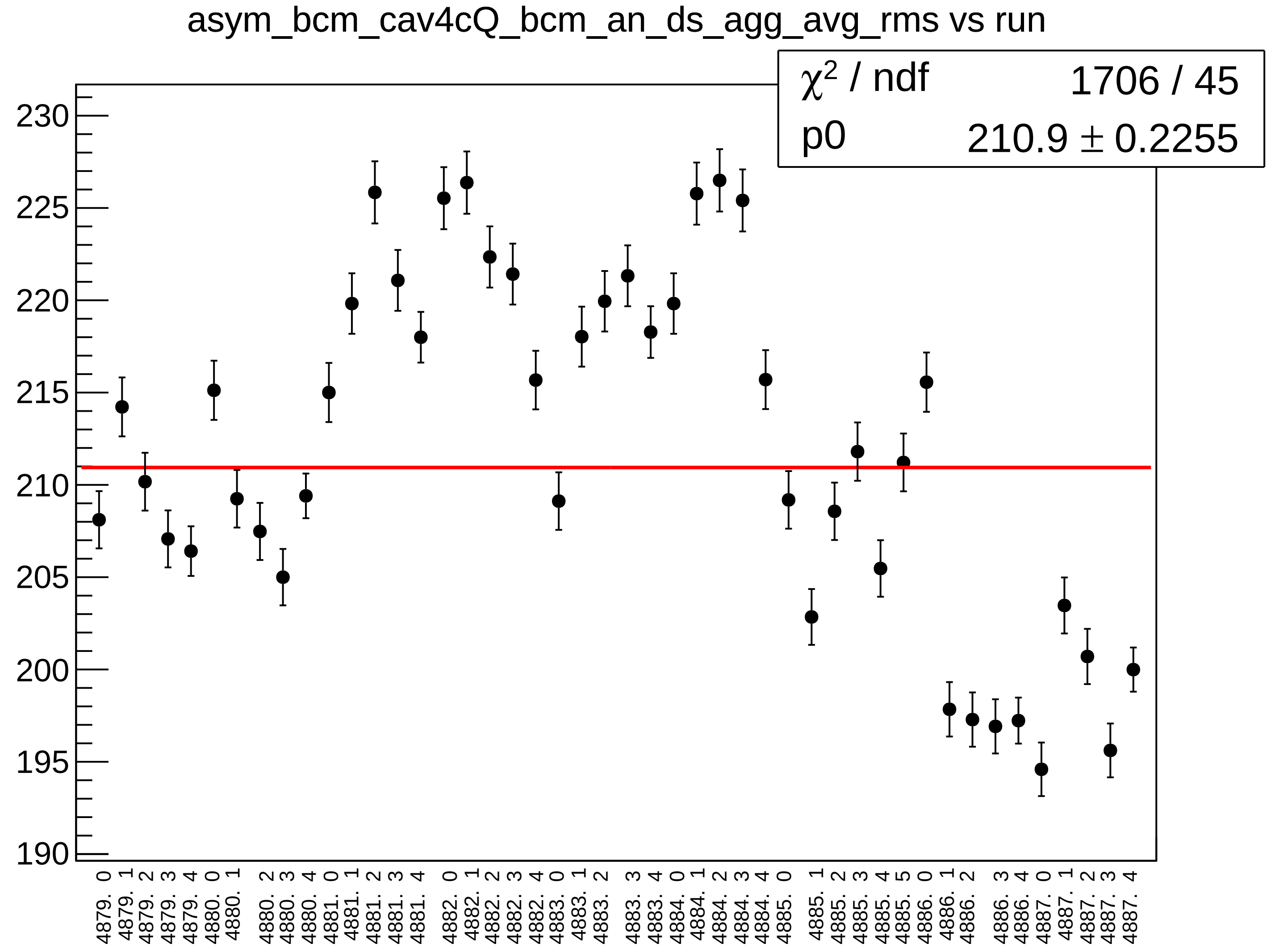
4887. 2
4887. 3
4887. 4



asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ^2 / ndf 8.816 / 45
p0 26.35 ± 318.9
pull
Entries 46
Mean −240.2
Std Dev 242.8
pull1D
Entries 46
Mean −0.0006813
Std Dev 0.4378


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ^2 / ndf 1706 / 45
p0 210.9 ± 0.2255
230
225
220
215
210
205
200
195
190
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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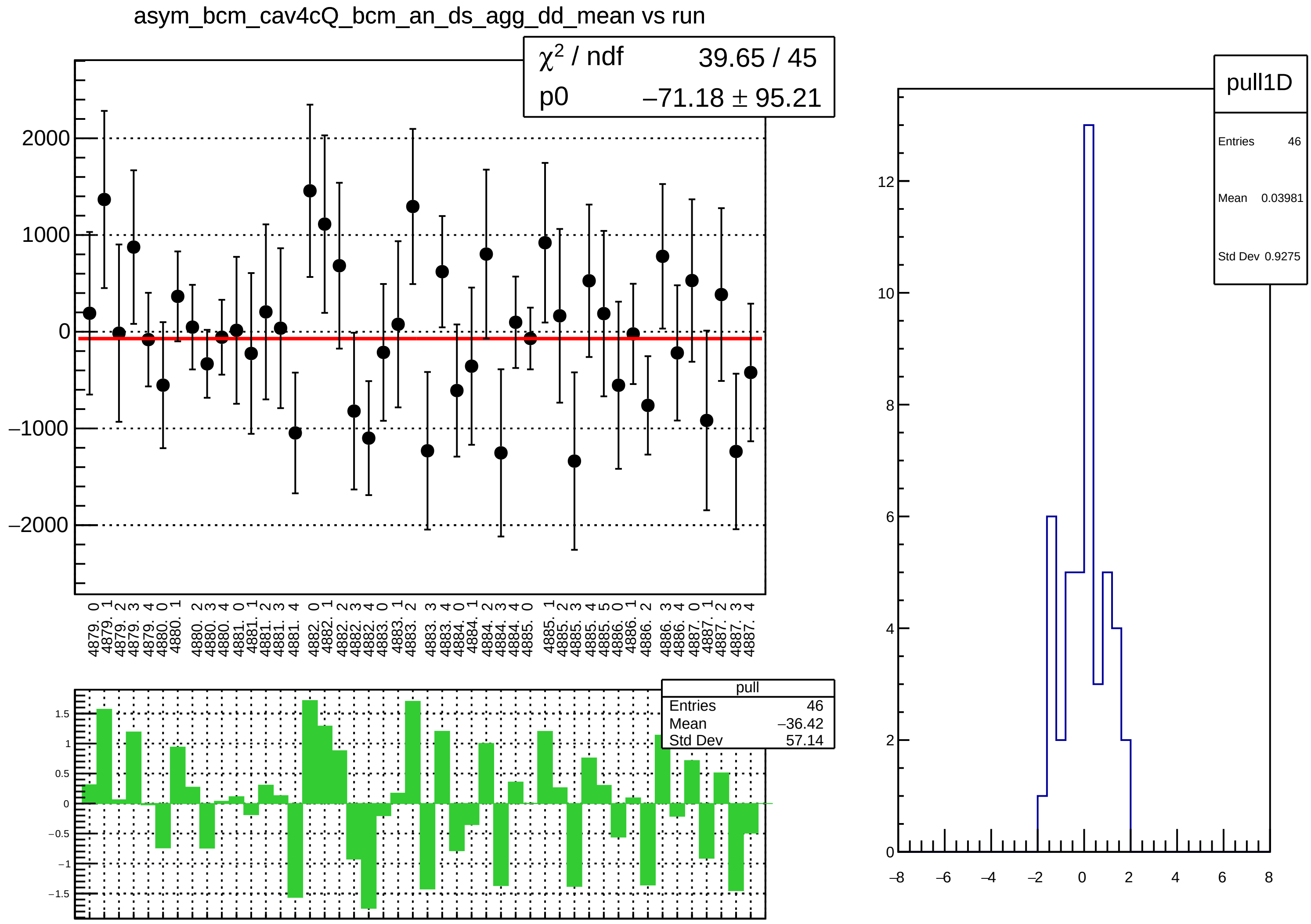
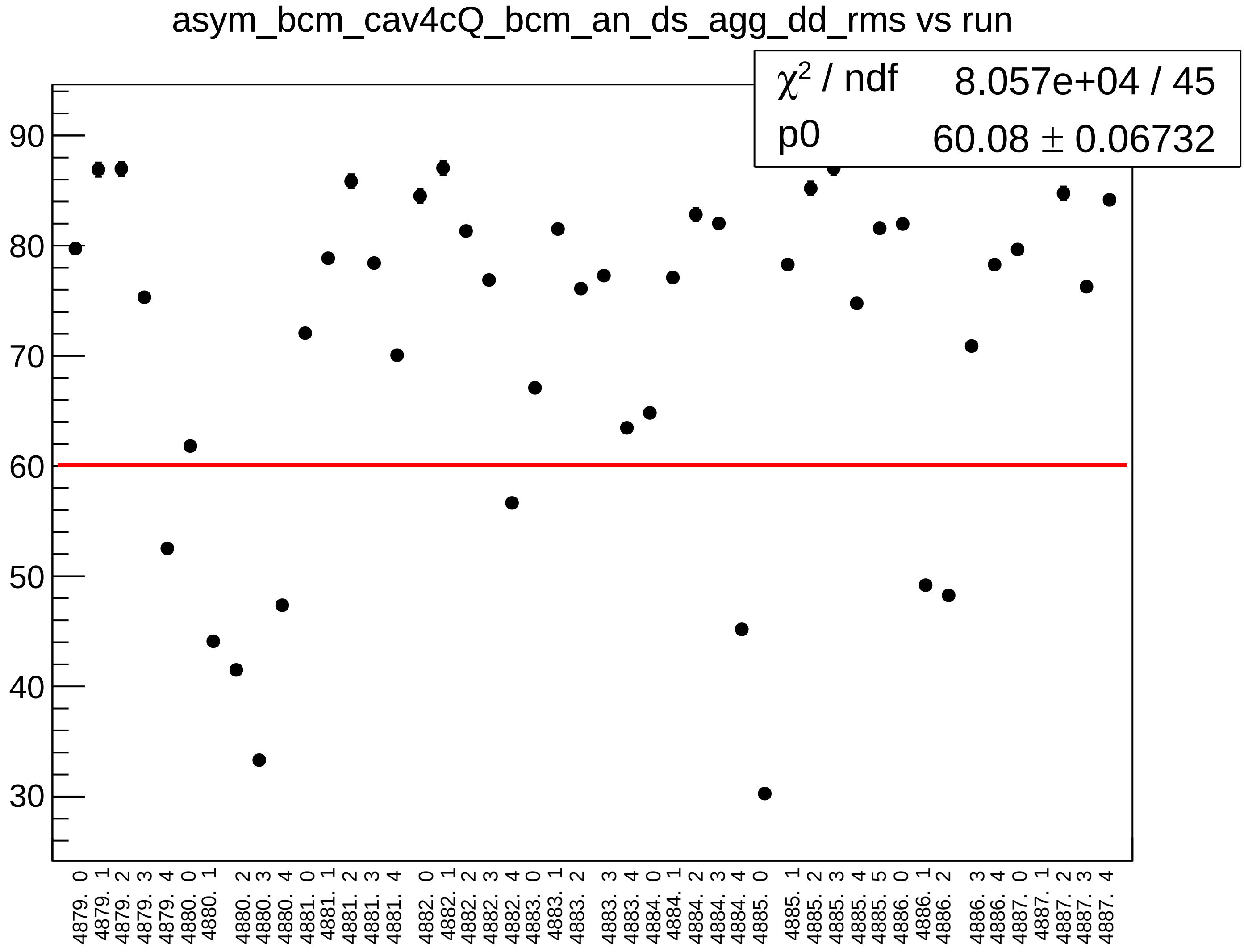
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

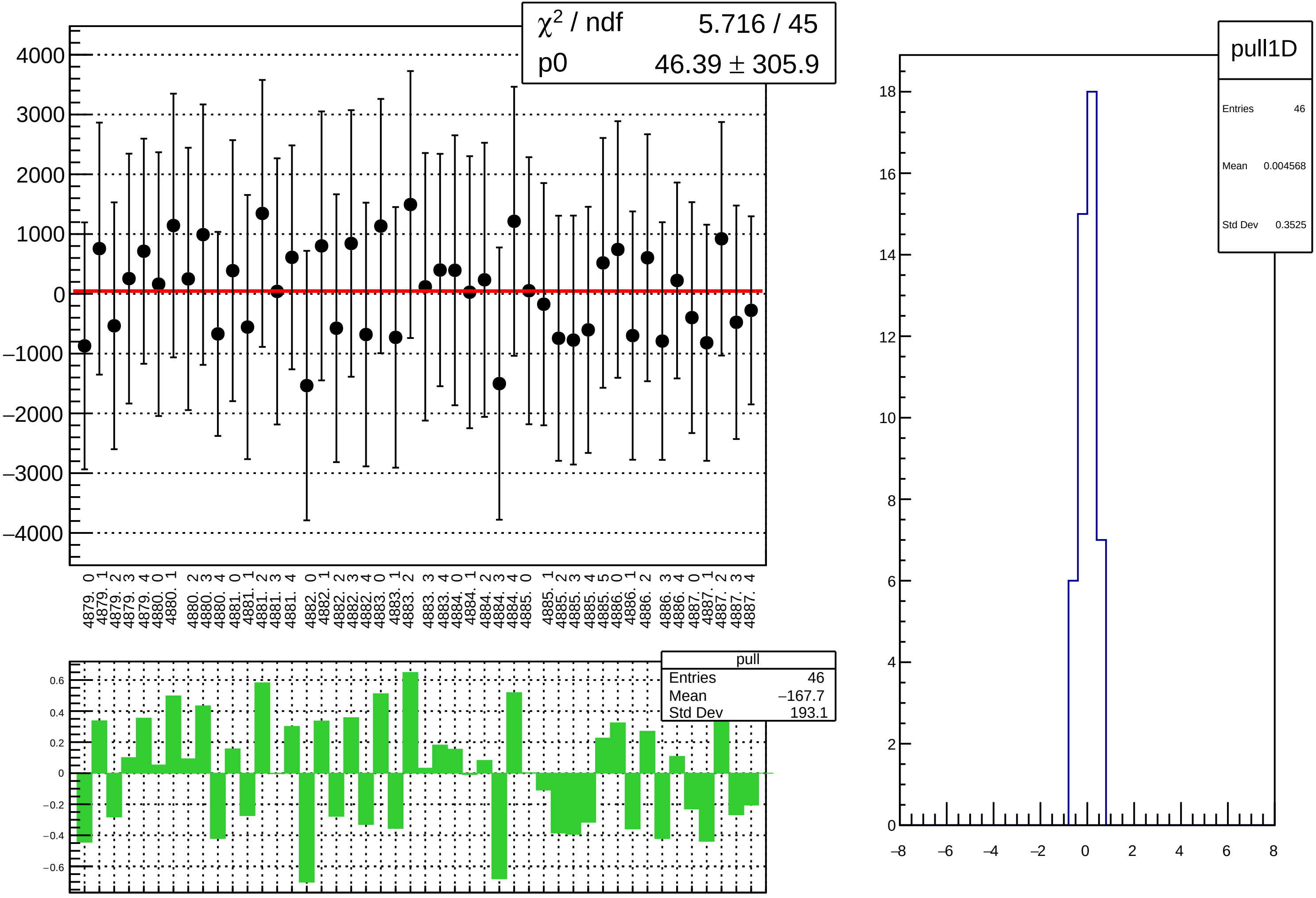


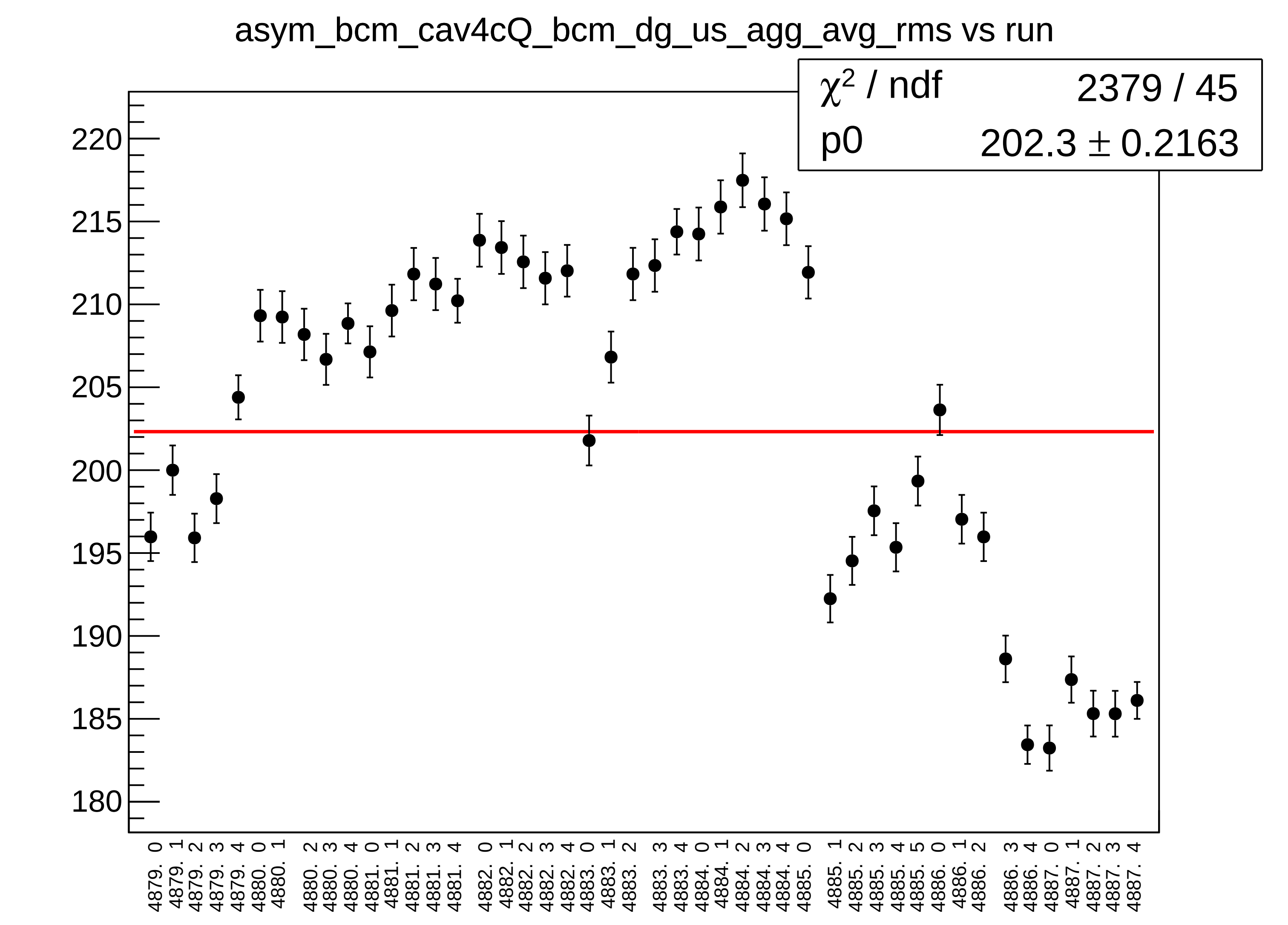
asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ^2 / ndf 39.65 / 45
p0 −71.18 ± 95.21
pull
Entries 46
Mean −36.42
Std Dev 57.14
pull1D
Entries 46
Mean 0.03981
Std Dev 0.9275



asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ2 / ndf 8.057e+04 / 45
p0 60.08 ± 0.06732
90
80
70
60
50
40
30

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run




asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ^2 / ndf 2379 / 45
p0 202.3 ± 0.2163
220
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
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4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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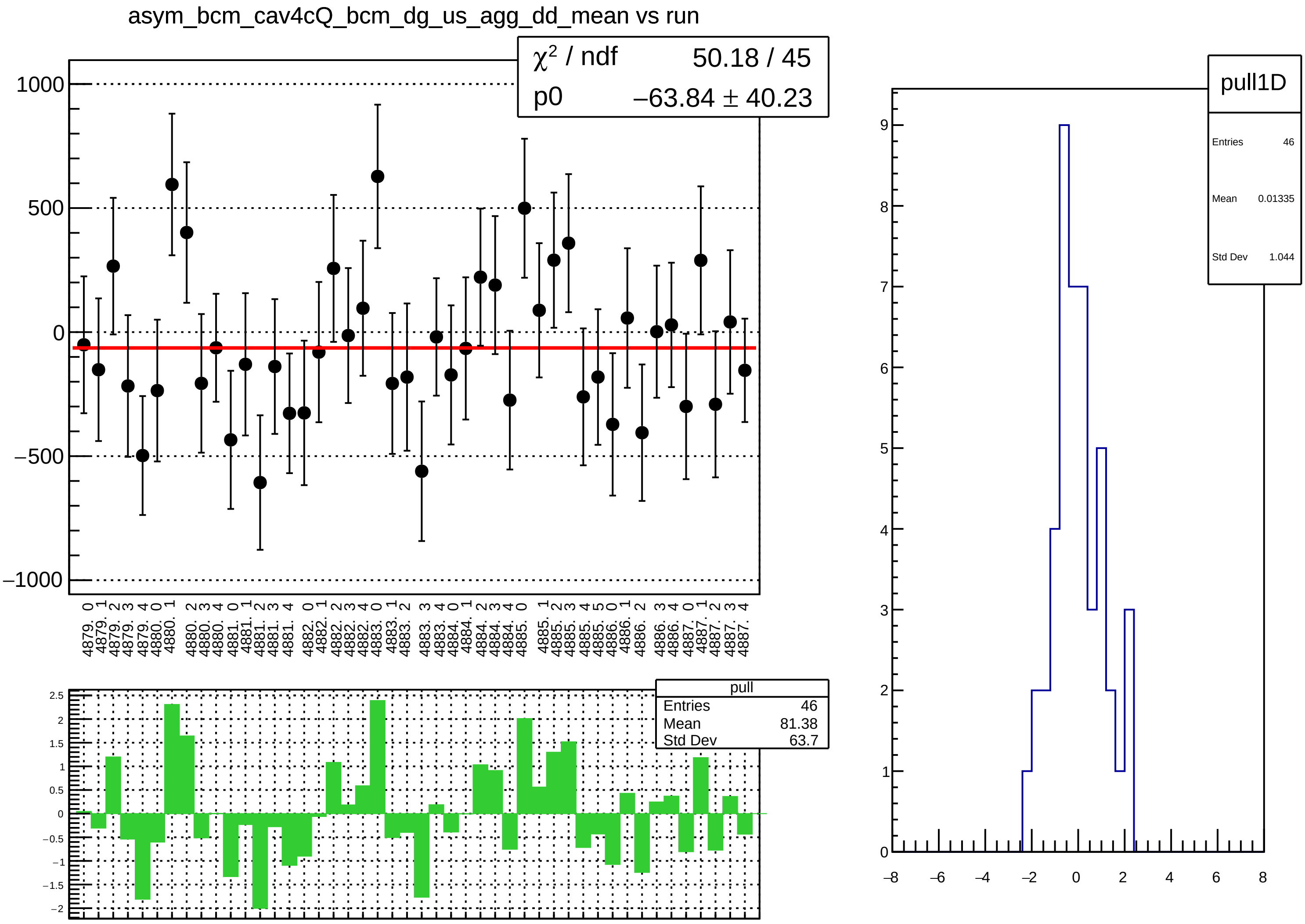
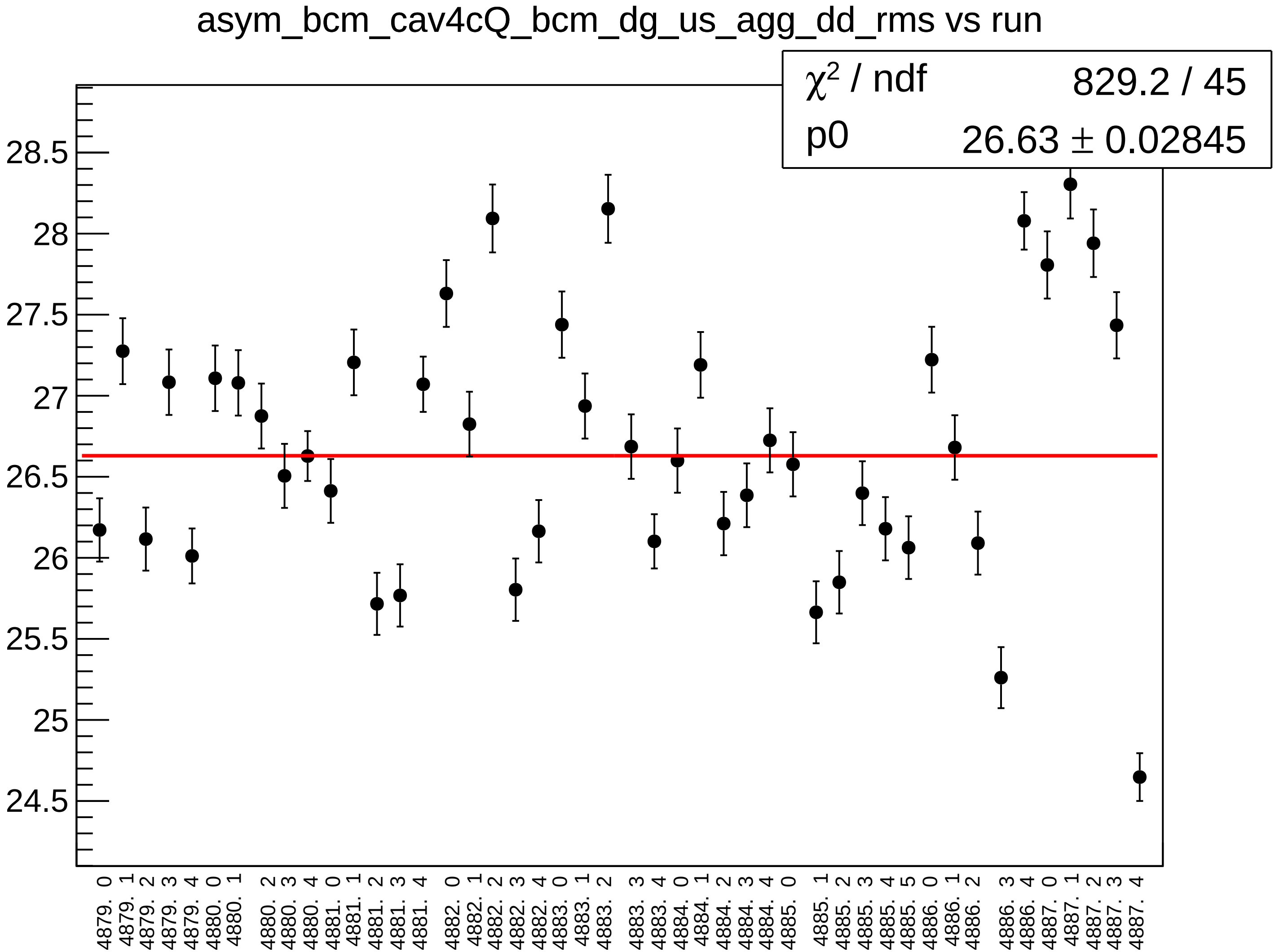
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

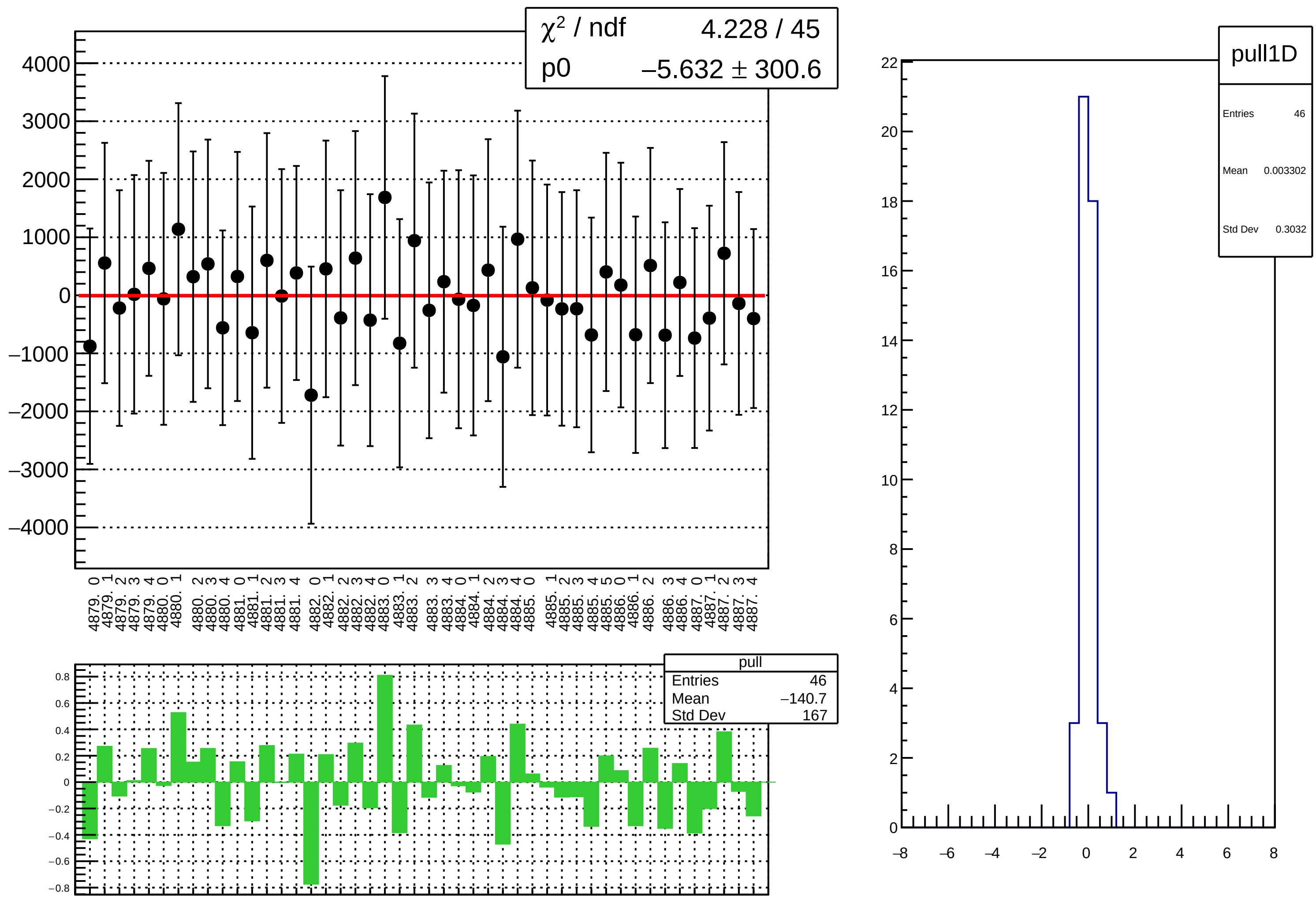


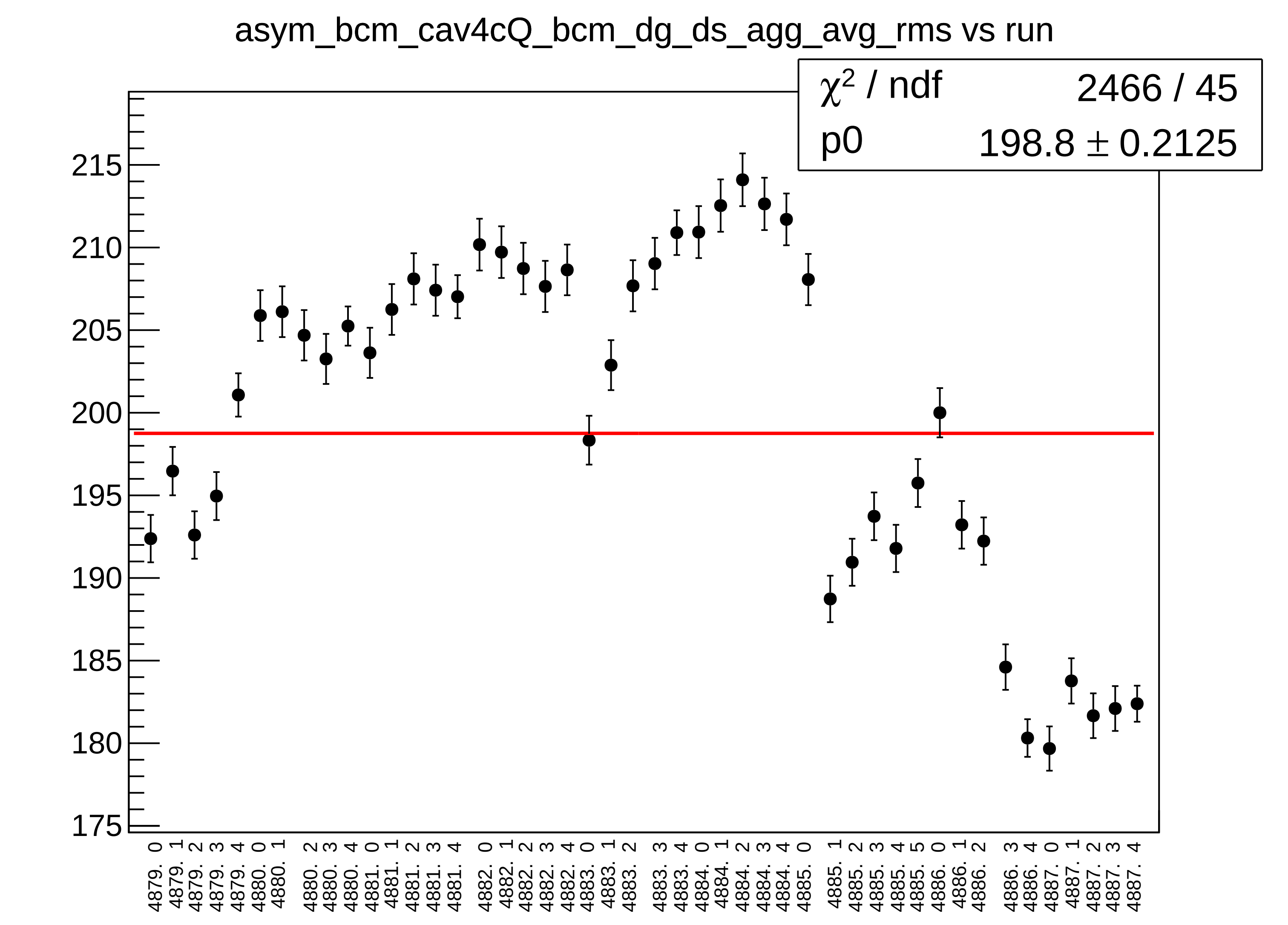
asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ^2 / ndf 50.18 / 45
p0 −63.84 ± 40.23
pull
Entries 46
Mean 81.38
Std Dev 63.7
pull1D
Entries 46
Mean 0.01335
Std Dev 1.044



asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ2 / ndf 829.2 / 45
p0 26.63 ± 0.02845
28.5
28
27.5
27
26.5
26
25.5
25
24.5

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run





asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ^2 / ndf 2466 / 45
p0 198.8 ± 0.2125
215
210
205
200
195
190
185
180
175
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4882. 0
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4885. 5
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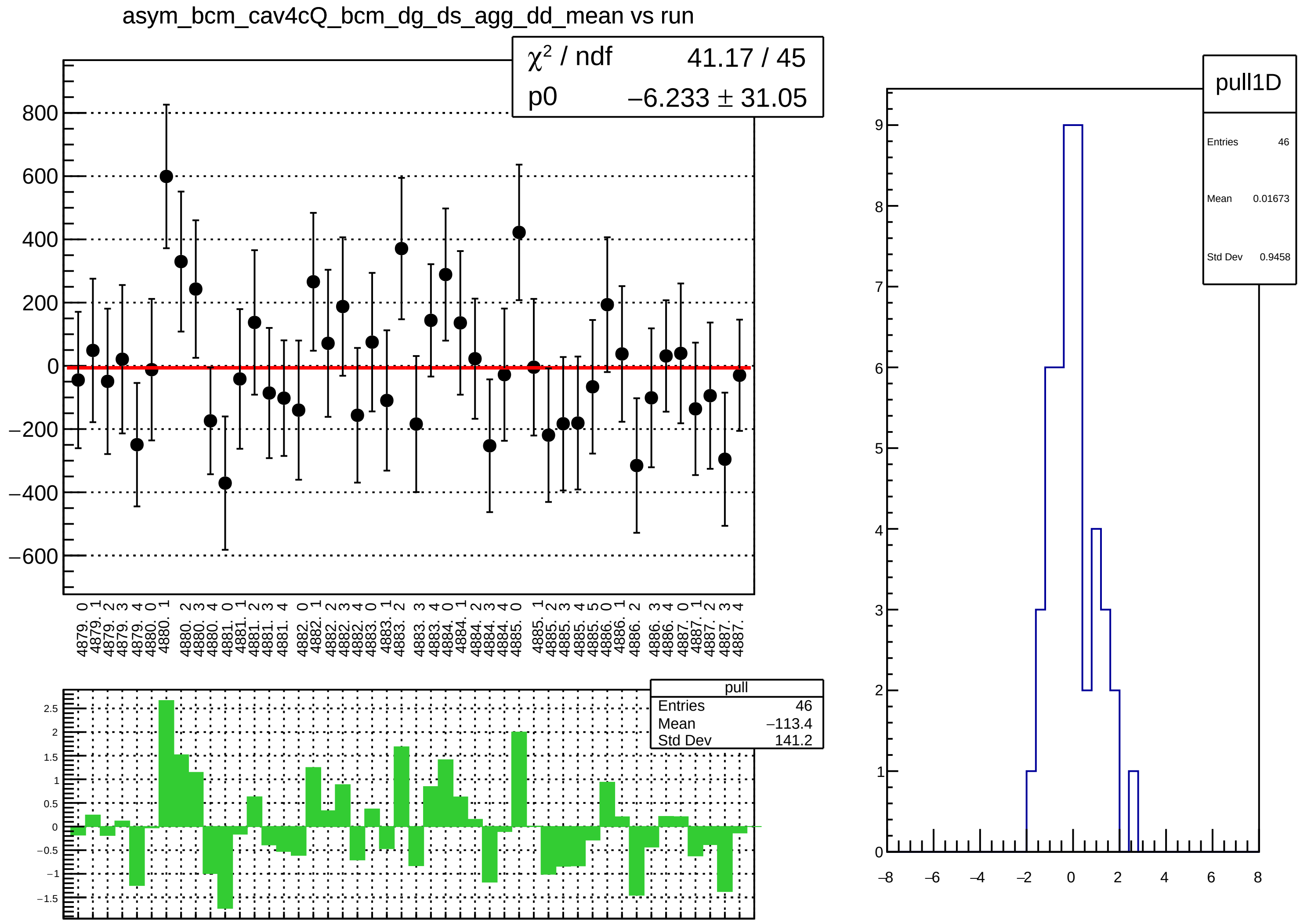
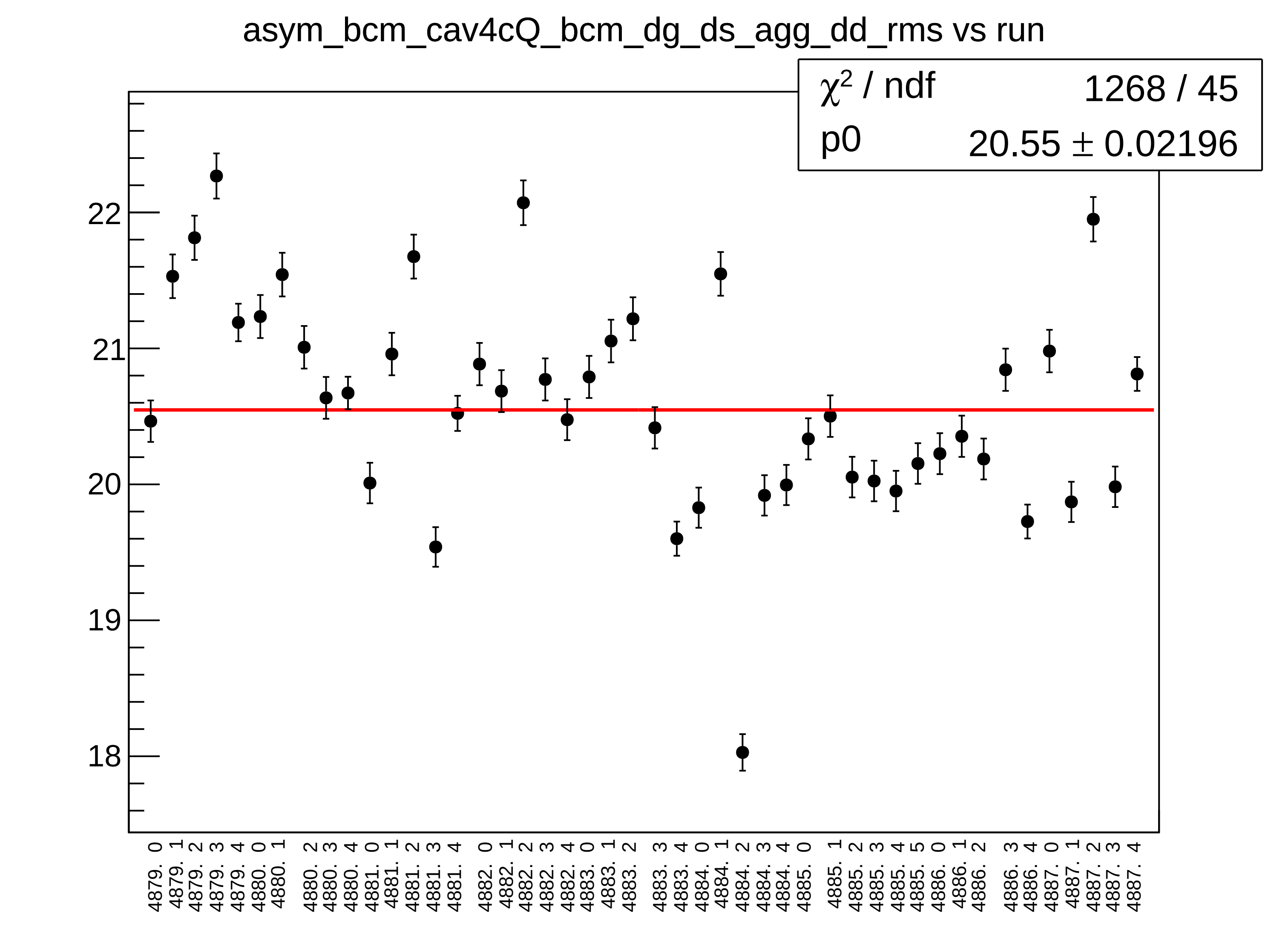
4887. 4



asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ^2 / ndf 41.17 / 45
p0 −6.233 ± 31.05
pull
Entries 46
Mean −113.4
Std Dev 141.2
pull1D
Entries 46
Mean 0.01673
Std Dev 0.9458



asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ^2 / ndf 1268 / 45
p0 20.55 ± 0.02196
22
21
20
19
18
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4885. 2
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4885. 5
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4886. 4
4887. 0
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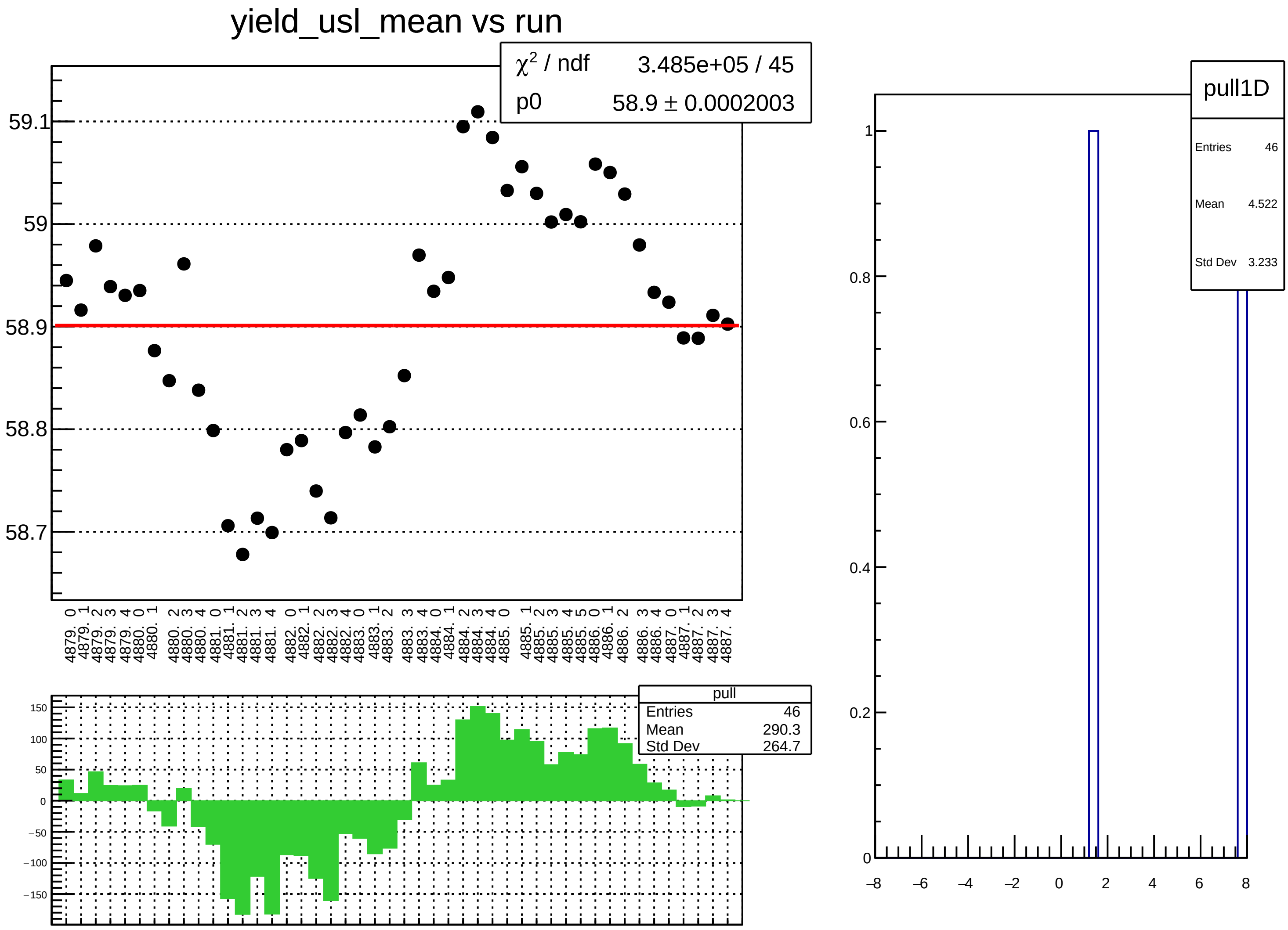
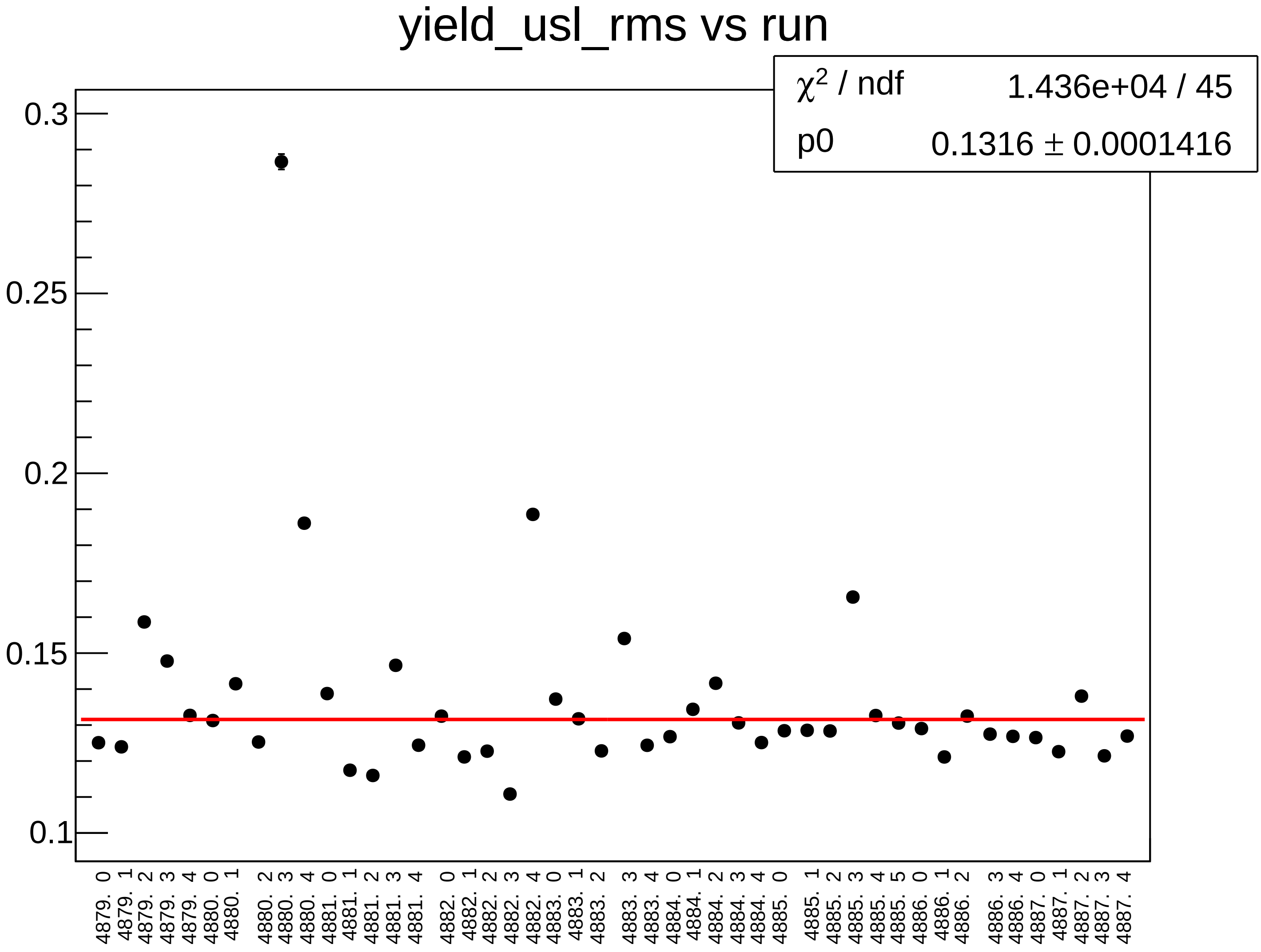
4887. 2
4887. 3
4887. 4



yield_usl_mean vs run
χ^2 / ndf 3.485e+05 / 45
p0 58.9 ± 0.0002003
pull
Entries 46
Mean 290.3
Std Dev 264.7
pull1D
Entries 46
Mean 4.522
Std Dev 3.233



yield_usl_rms vs run
χ^2 / ndf 1.436e+04 / 45
p0 0.1316 ± 0.0001416
0.3
0.25
0.2
0.15
0.1
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
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4882. 0
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4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
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4885. 5
4886. 0
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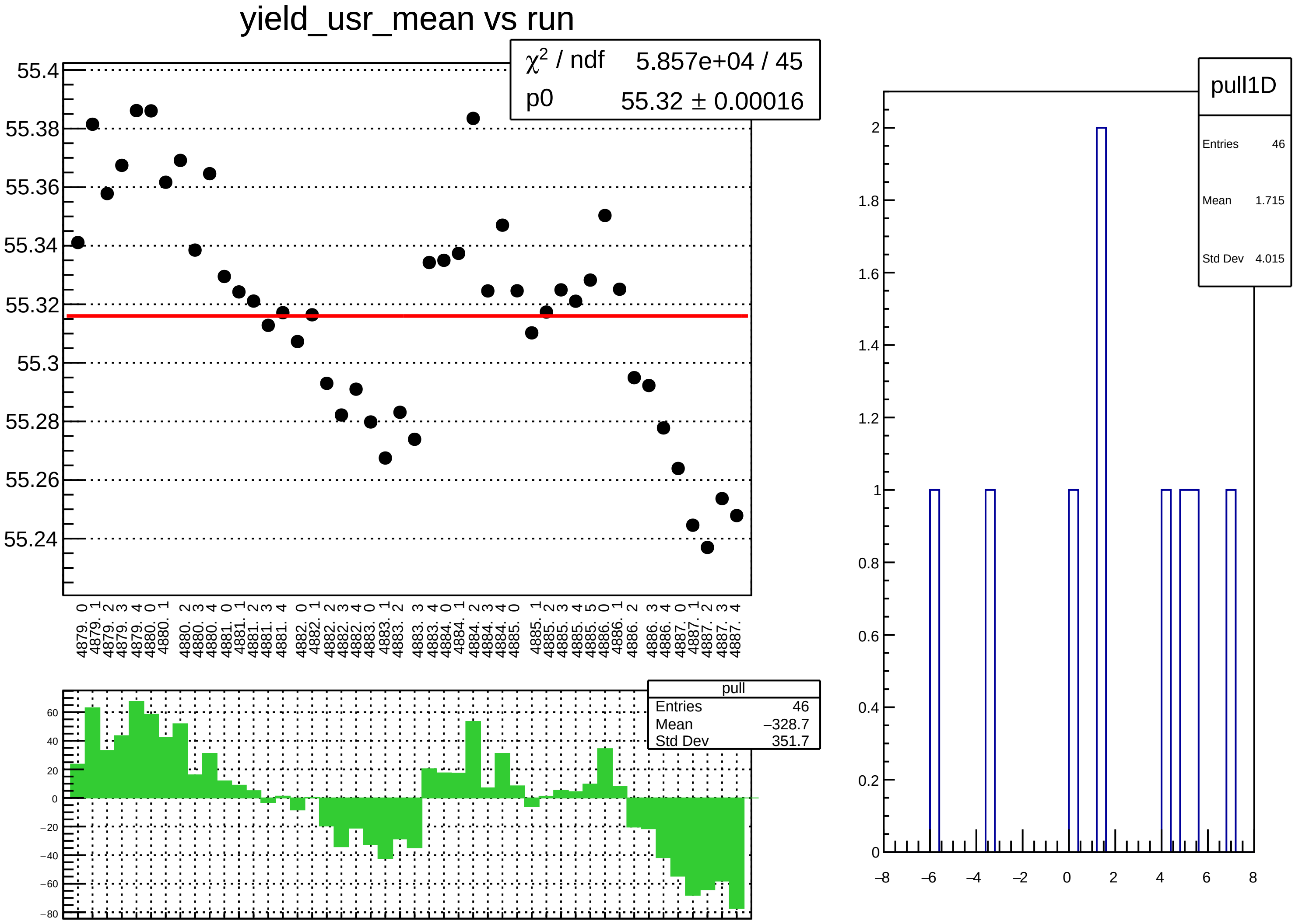
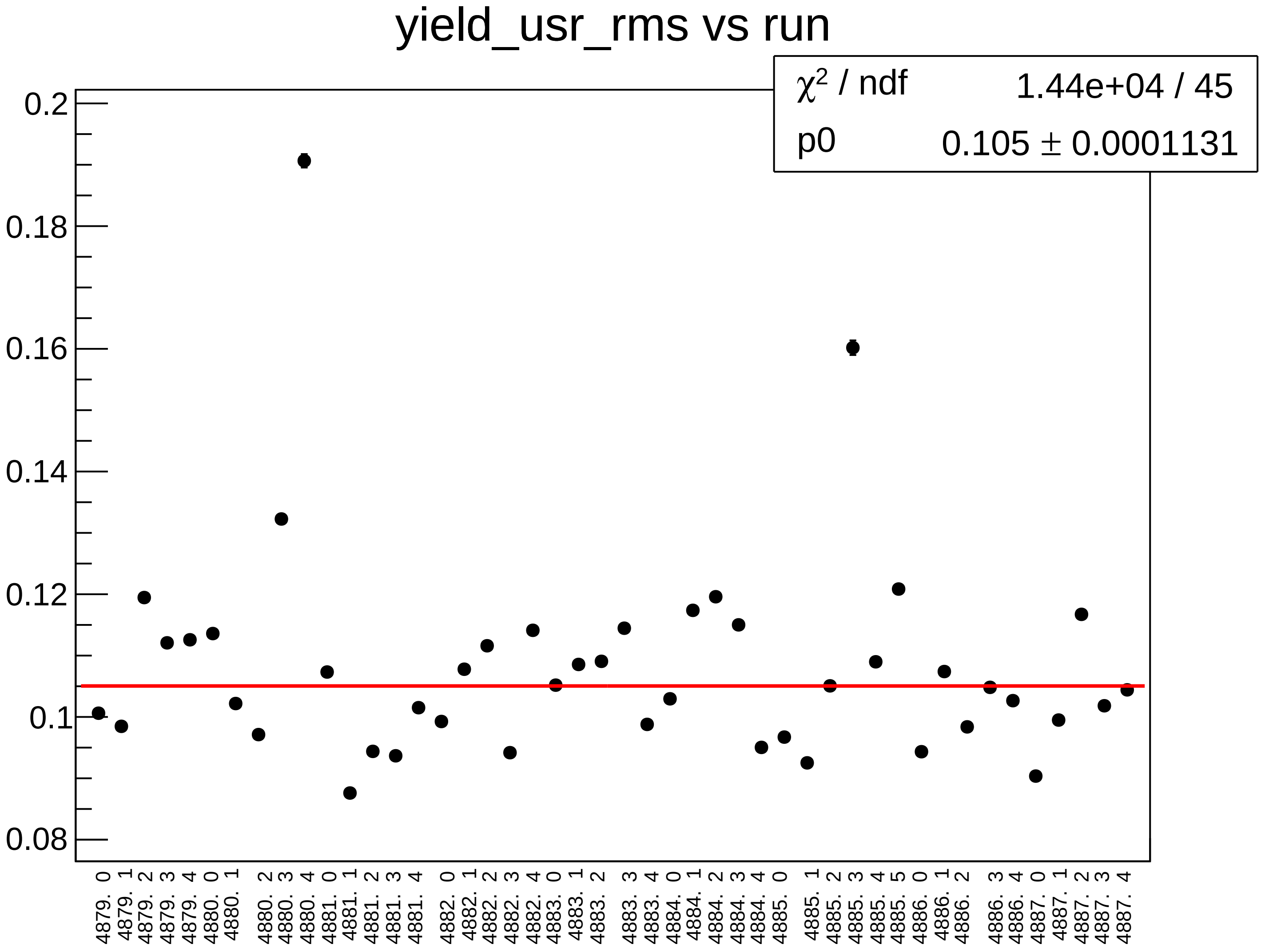
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


yield_usr_mean vs run
χ^2 / ndf 5.857e+04 / 45
p0 55.32 ± 0.00016
pull
Entries 46
Mean −328.7
Std Dev 351.7
pull1D
Entries 46
Mean 1.715
Std Dev 4.015



yield_usr_rms vs run
χ2 / ndf 1.44e+04 / 45
p0 0.105 ± 0.0001131
0.2
0.18
0.16
0.14
0.12
0.1
0.08
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
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4880. 3
4880. 4
4881. 0
4881. 1
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4881. 3
4881. 4
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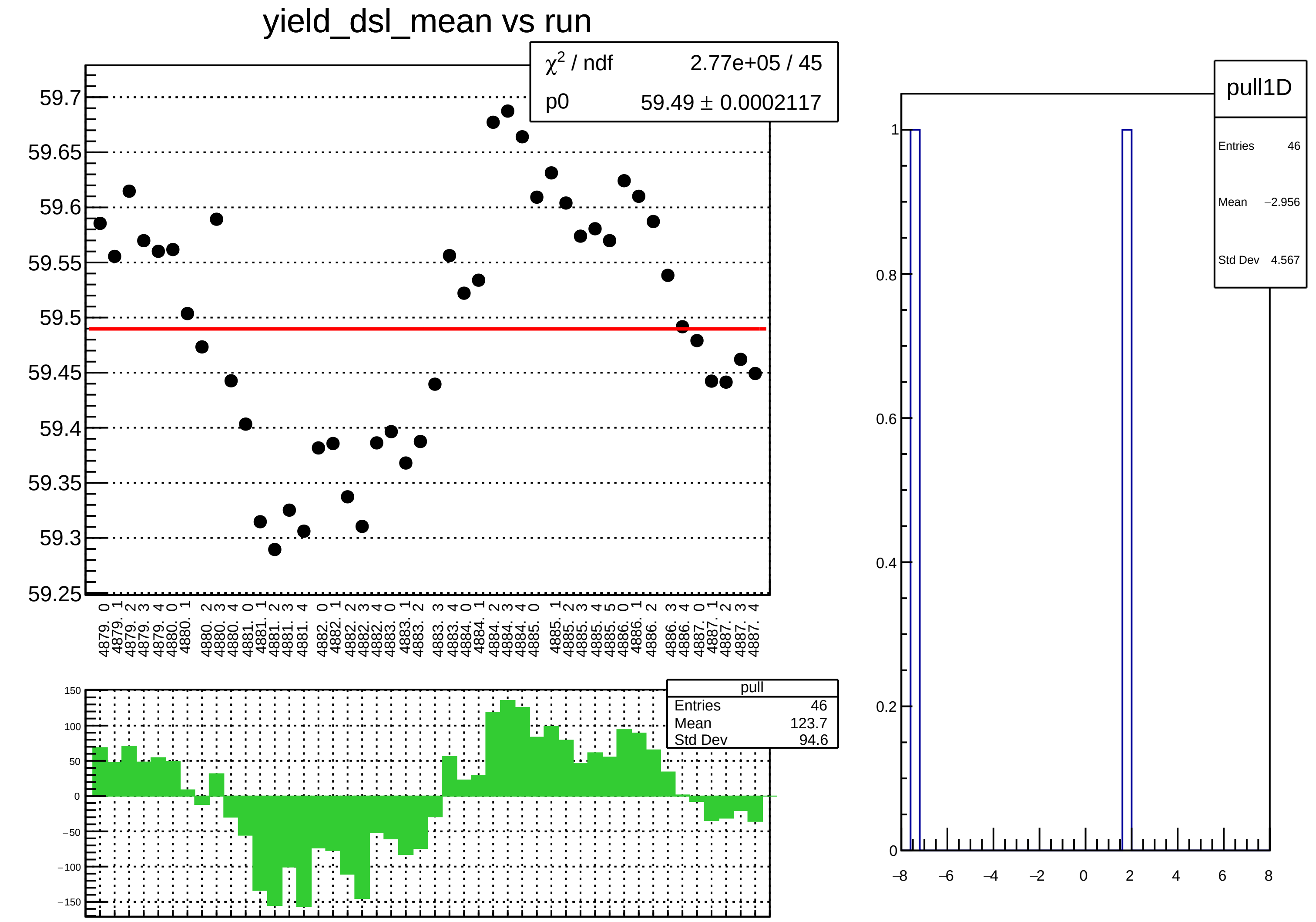
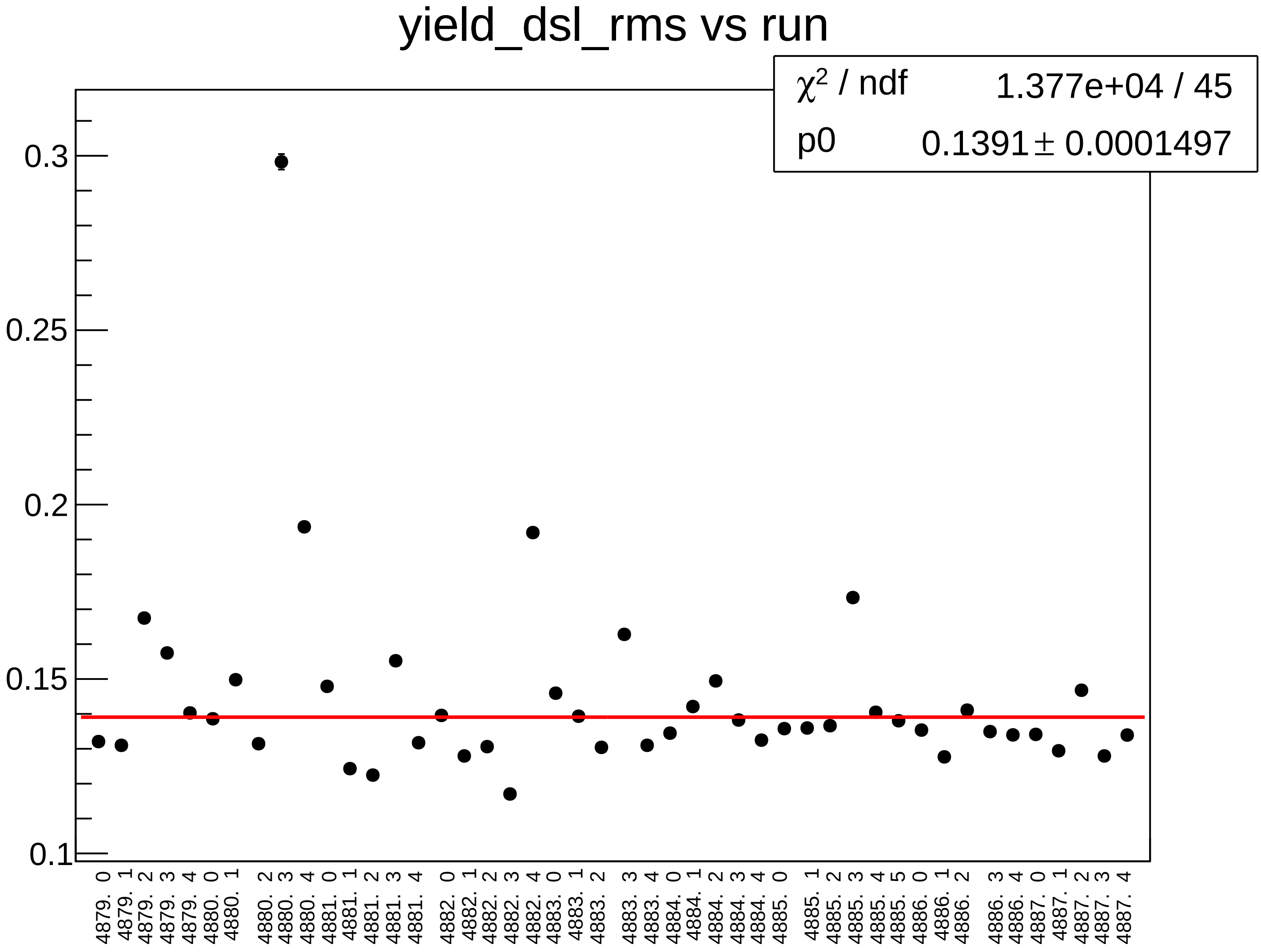
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


yield_dsl_mean vs run
χ^2 / ndf 2.77e+05 / 45
p0 59.49 ± 0.0002117
pull
Entries 46
Mean 123.7
Std Dev 94.6
pull1D
Entries 46
Mean −2.956
Std Dev 4.567



yield_dsl_rms vs run
χ^2 / ndf 1.377e+04 / 45
p0 0.1391 ± 0.0001497
0.3
0.25
0.2
0.15
0.1
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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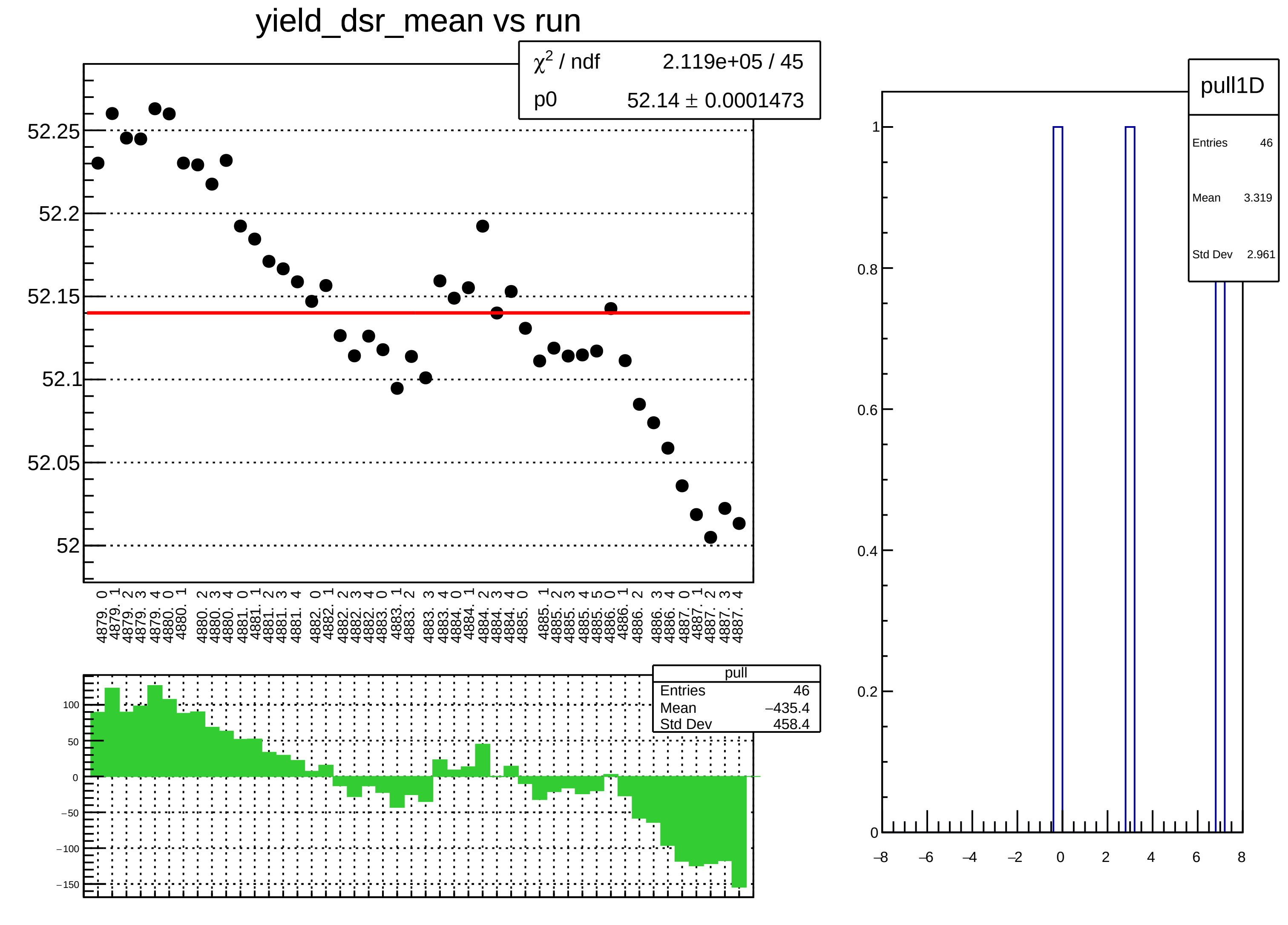
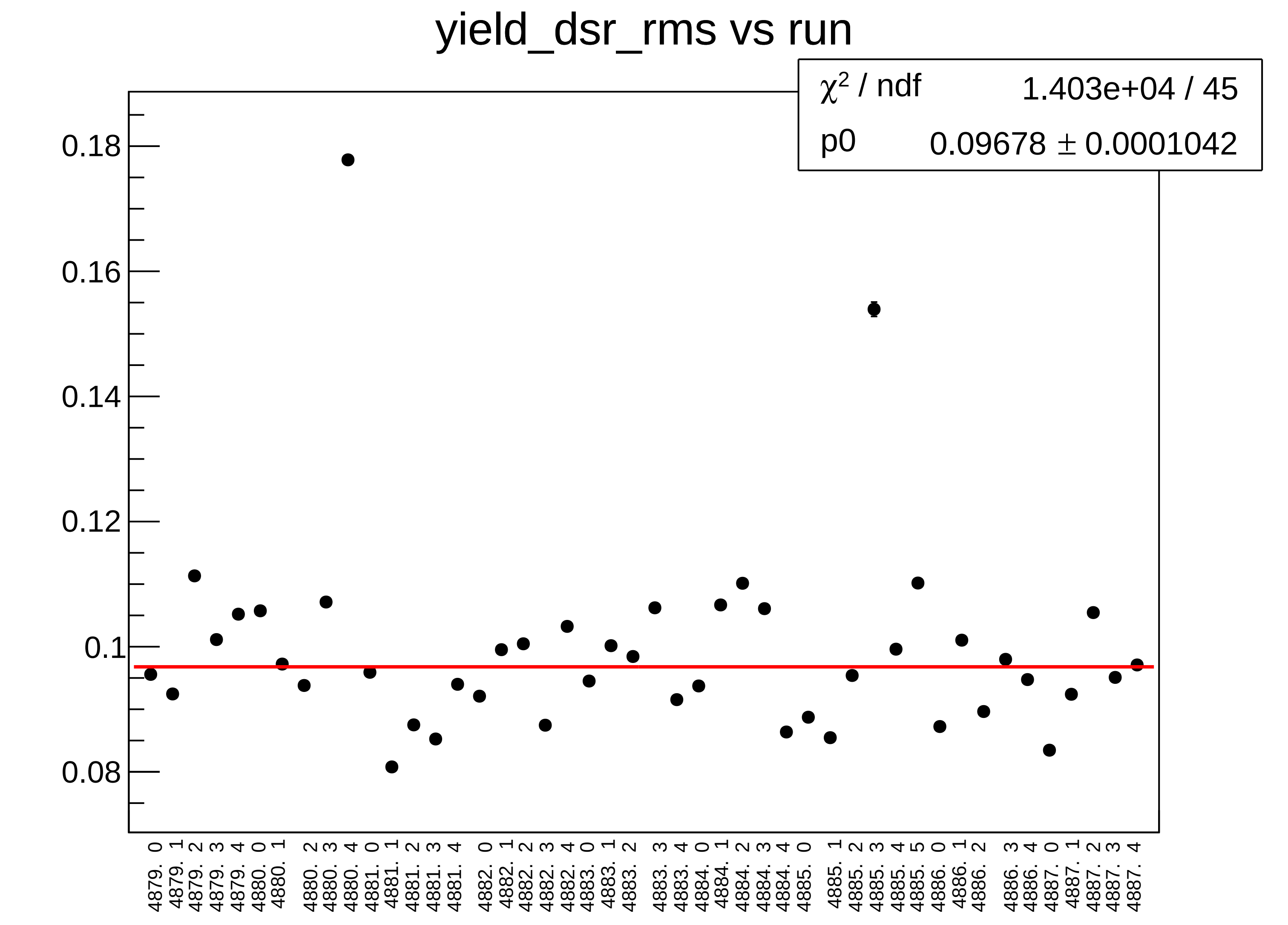
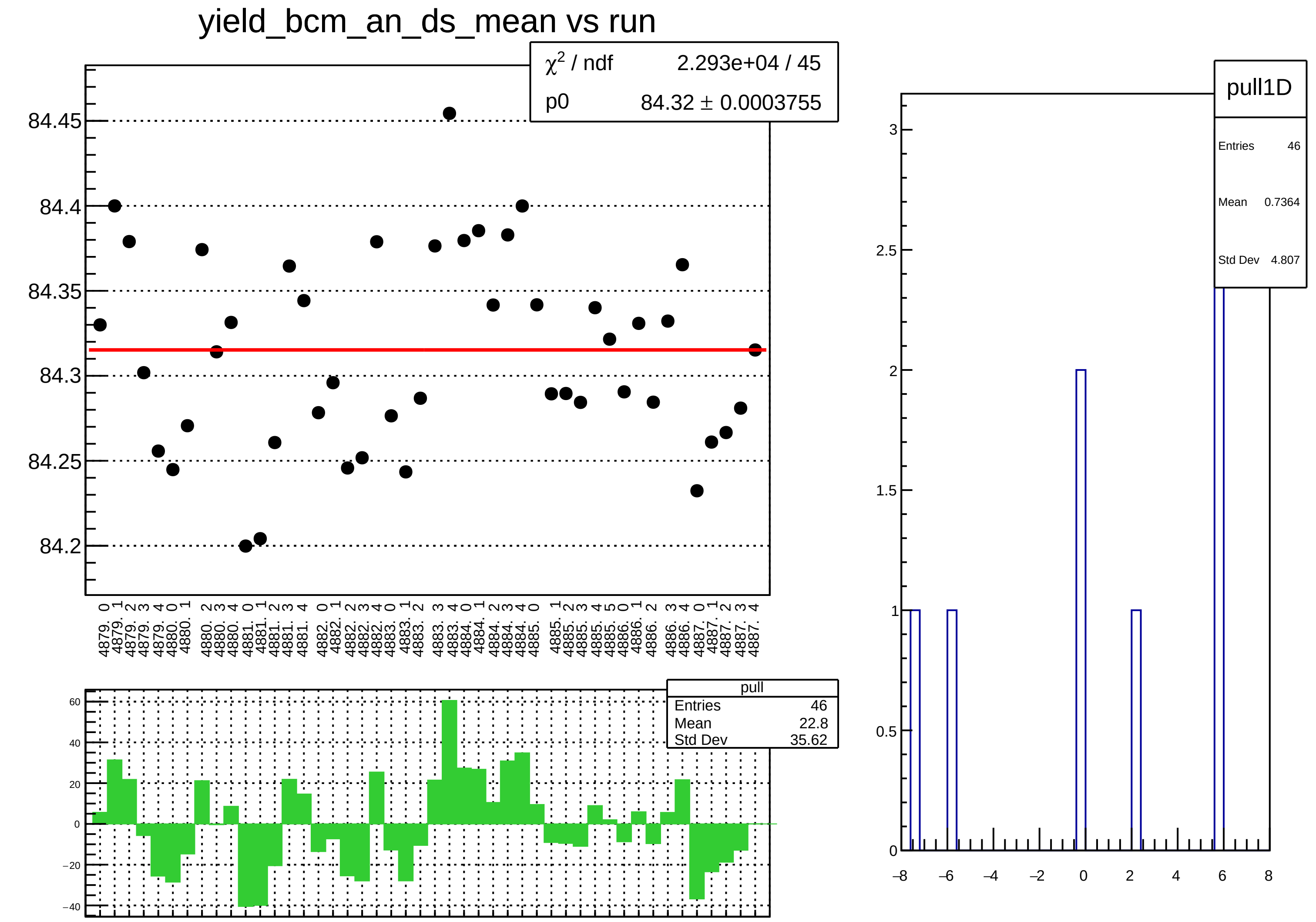
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



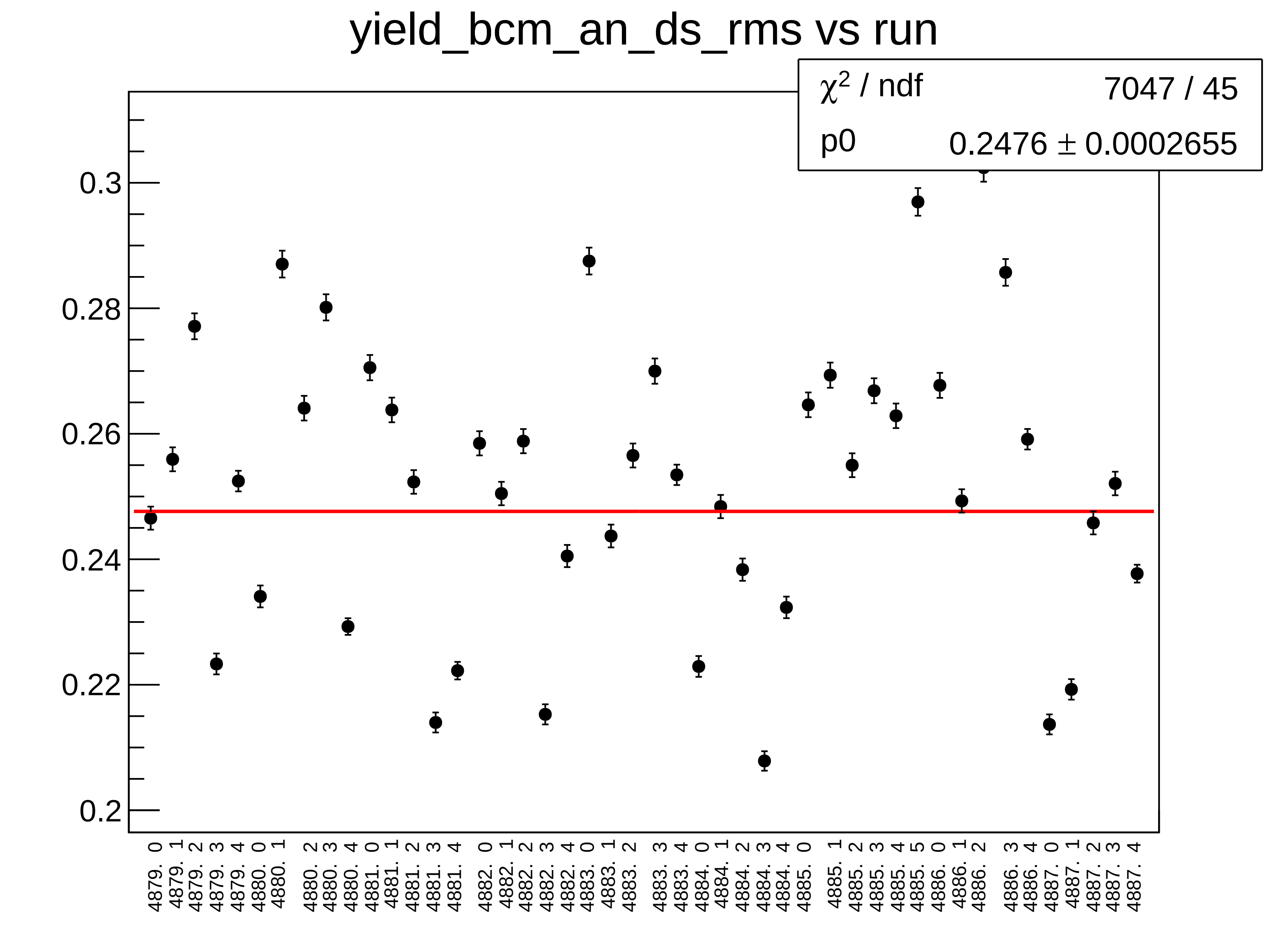
yield_dsr_mean vs run
χ^2 / ndf 2.119e+05 / 45
p0 52.14 ± 0.0001473
52.25
52.2
52.15
52.1
52.05
52
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −435.4
Std Dev 458.4
100
50
0
−50
−100
−150
pull1D
Entries 46
Mean 3.319
Std Dev 2.961
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



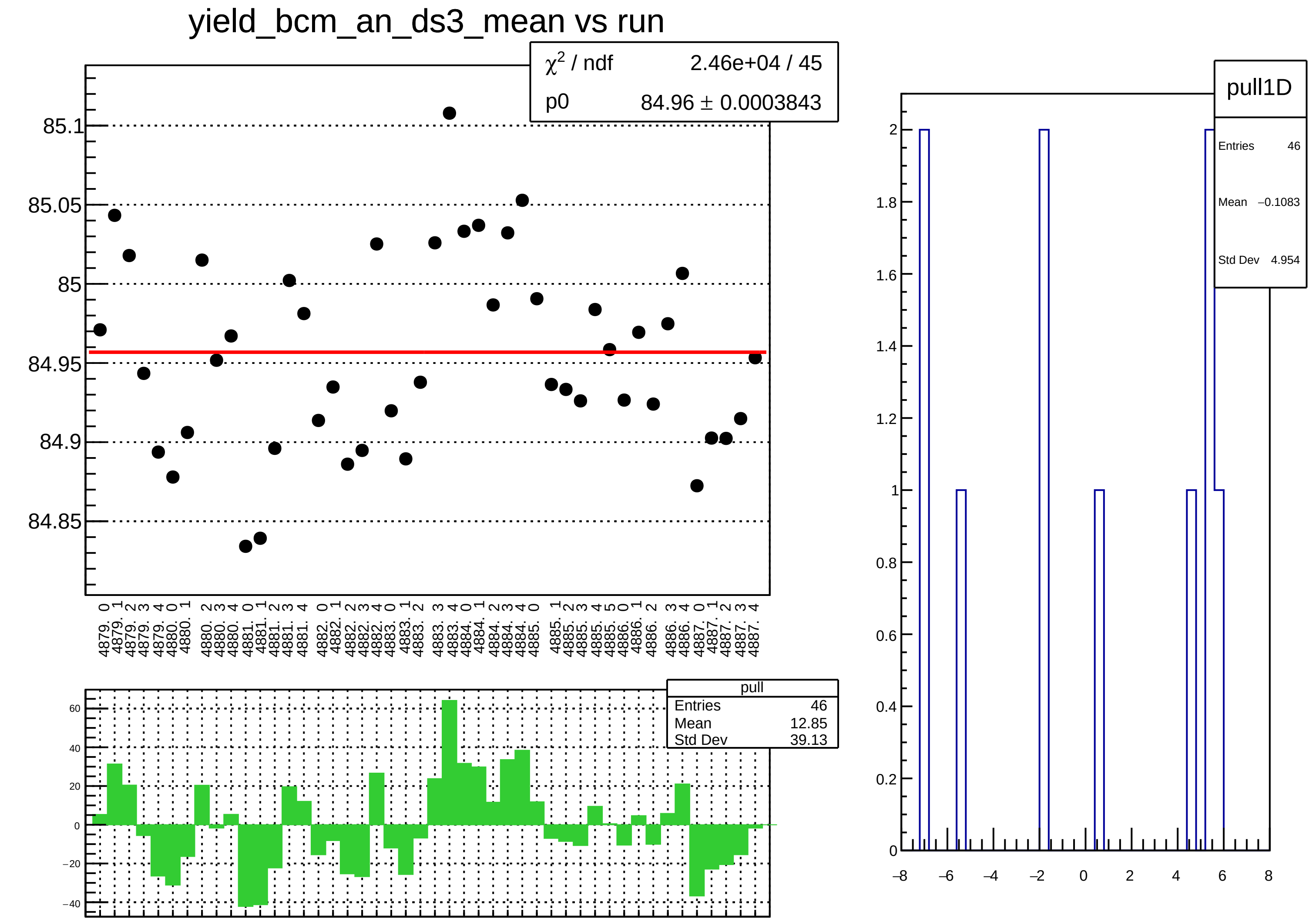
yield_dsr_rms vs run
χ² / ndf 1.403e+04 / 45
p0 0.09678 ± 0.0001042
0.18
0.16
0.14
0.12
0.1
0.08
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



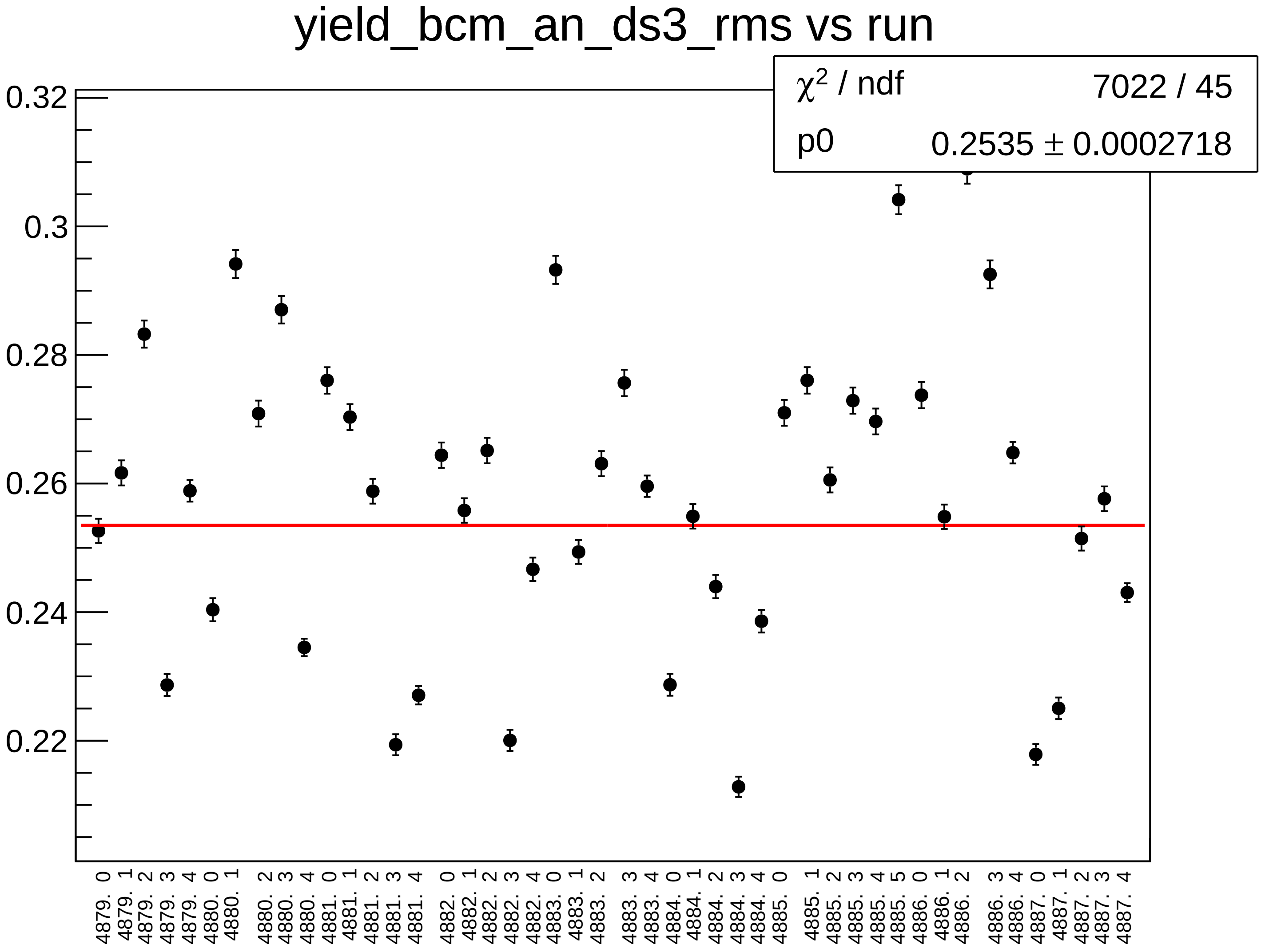
yield_bcm_an_ds_mean vs run
χ^2 / ndf 2.293e+04 / 45
p0 84.32 ± 0.0003755
pull
Entries 46
Mean 22.8
Std Dev 35.62
pull1D
Entries 46
Mean 0.7364
Std Dev 4.807



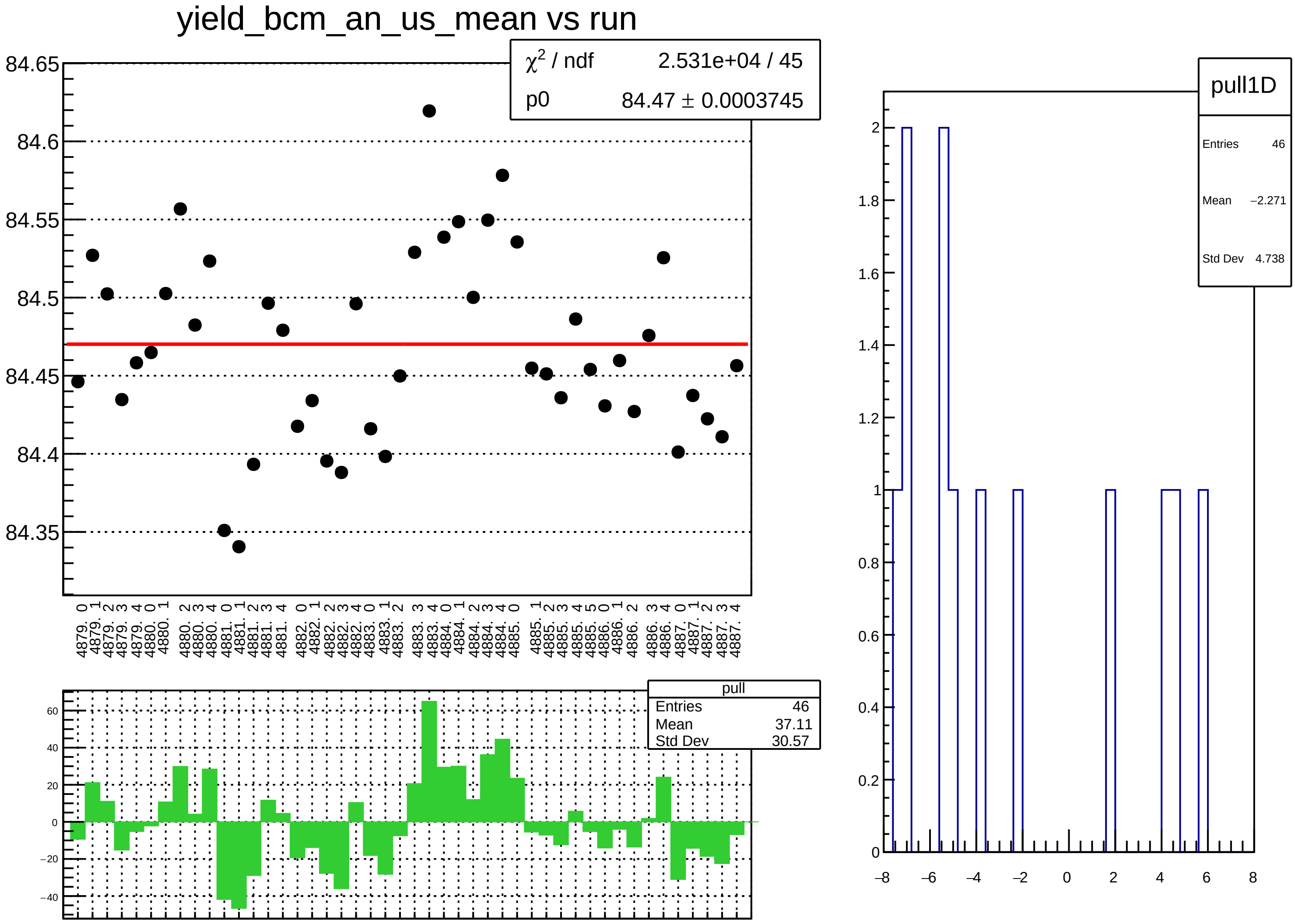
yield_bcm_an_ds_rms vs run
χ2 / ndf 7047 / 45
p0 0.2476 ± 0.0002655
0.3
0.28
0.26
0.24
0.22
0.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

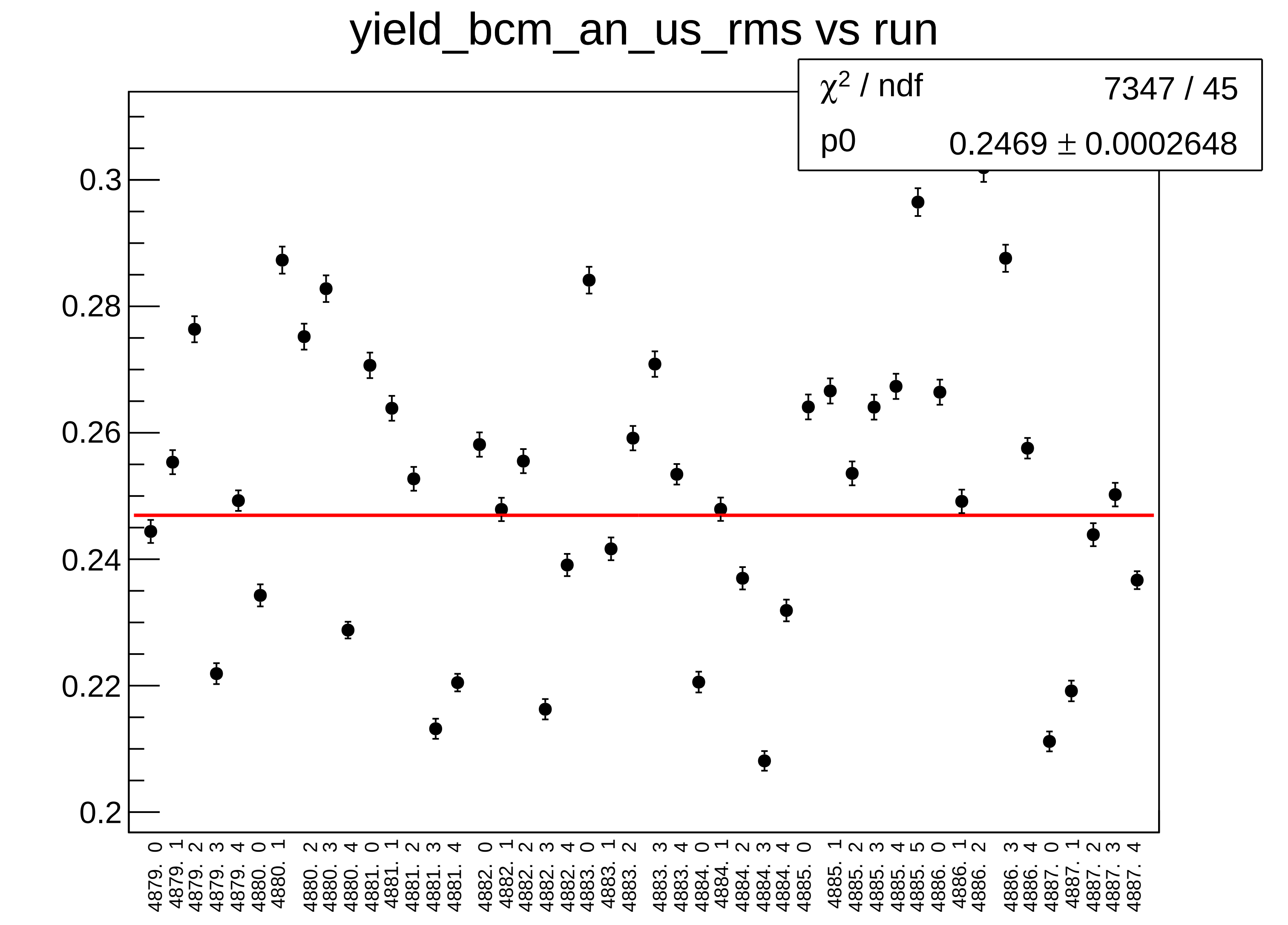


yield_bcm_an_ds3_mean vs run
χ^2 / ndf 2.46e+04 / 45
p0 84.96 ± 0.0003843
pull
Entries 46
Mean 12.85
Std Dev 39.13
pull1D
Entries 46
Mean −0.1083
Std Dev 4.954

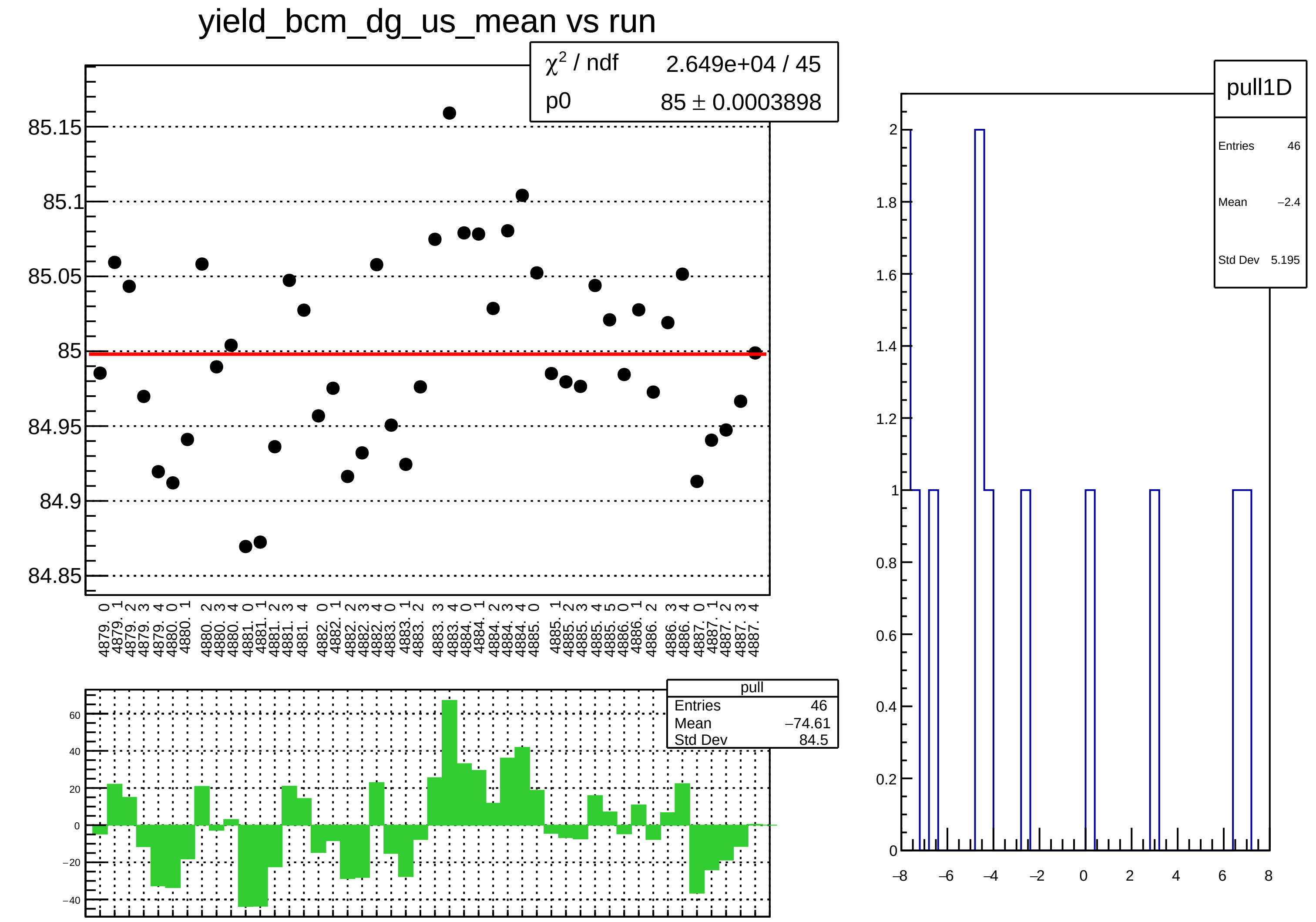


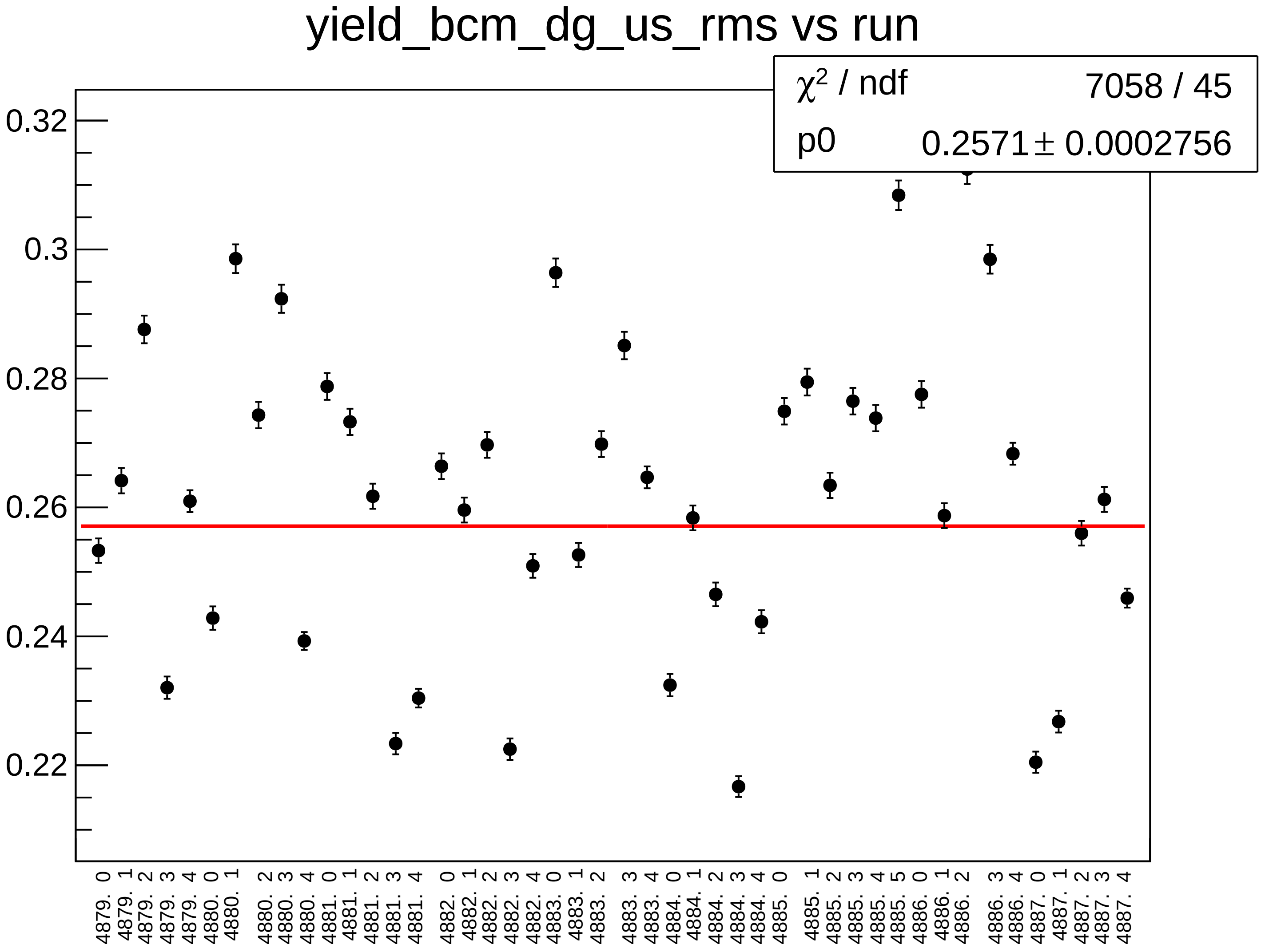
yield_bcm_an_ds3_rms vs run
χ^2 / ndf 7022 / 45
p0 0.2535 ± 0.0002718
0.32
0.3
0.28
0.26
0.24
0.22
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


yield_bcm_an_us_mean vs run
χ^2 / ndf 2.531e+04 / 45
p0 84.47 ± 0.0003745
pull
Entries 46
Mean 37.11
Std Dev 30.57
pull1D
Entries 46
Mean −2.271
Std Dev 4.738

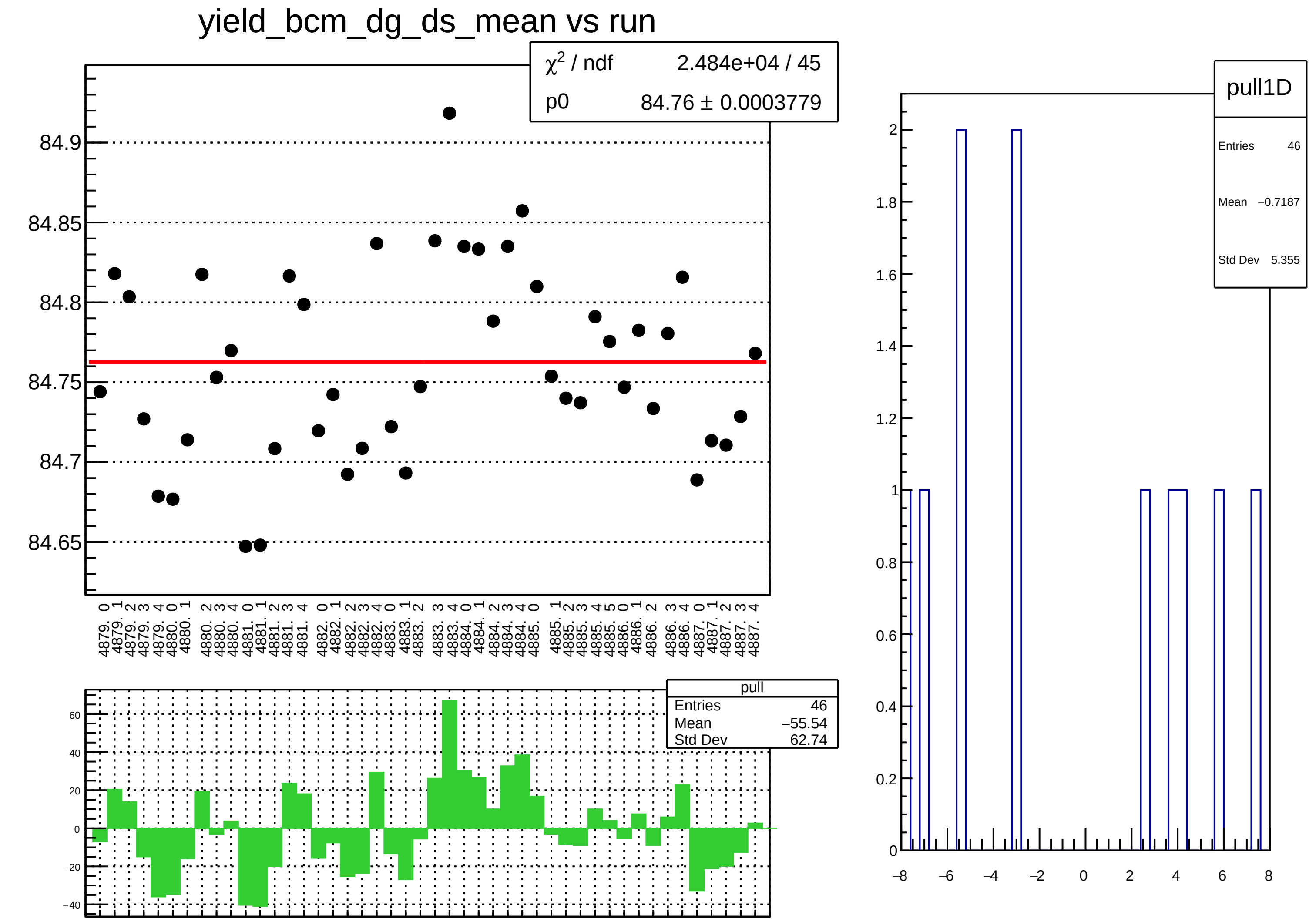


yield_bcm_an_us_rms vs run
χ2 / ndf 7347 / 45
p0 0.2469 ± 0.0002648
0.3
0.28
0.26
0.24
0.22
0.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

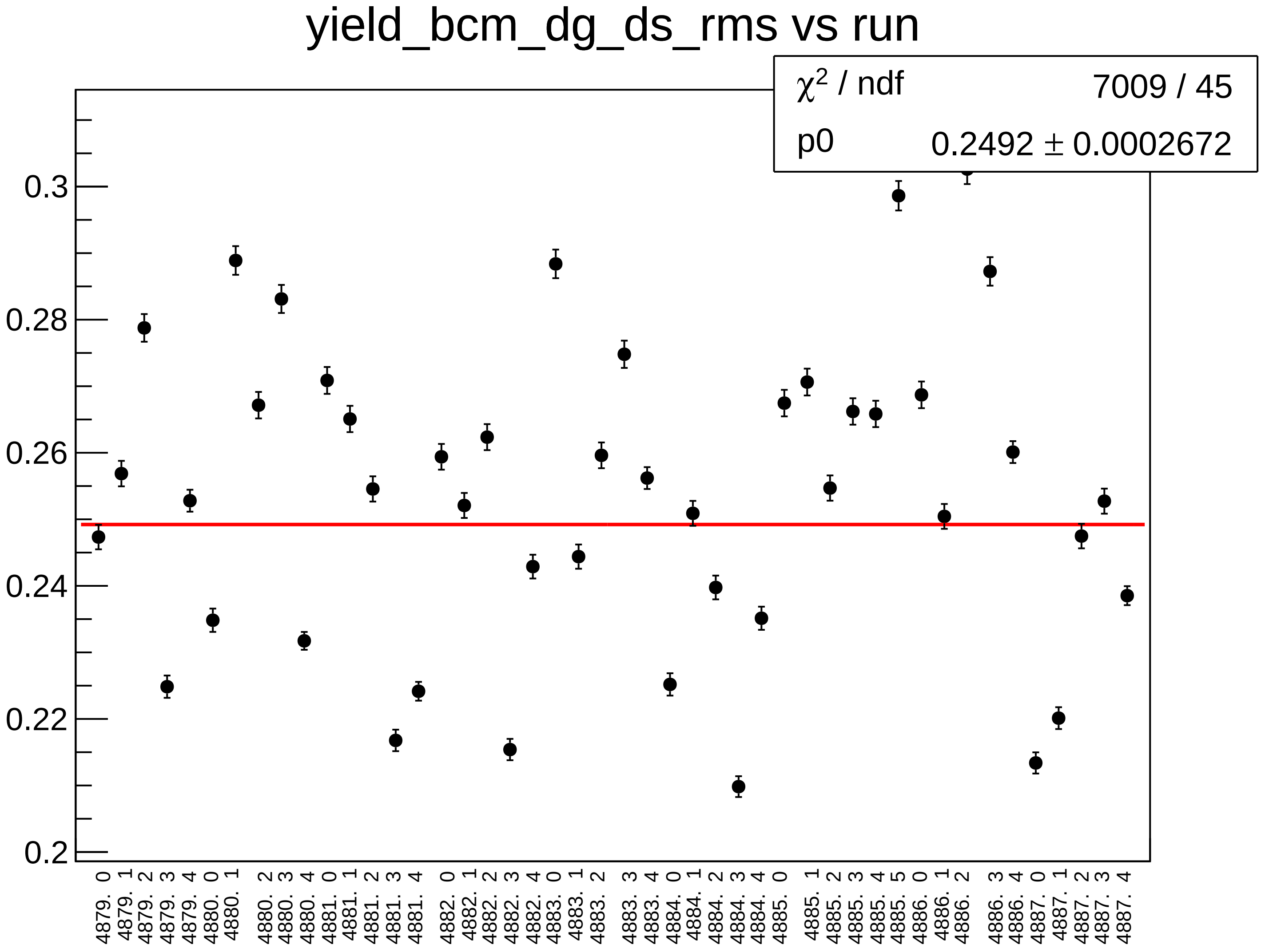

yield_bcm_dg_us_mean vs run
χ^2 / ndf 2.649e+04 / 45
p0 85 ± 0.0003898
85.15
85.1
85.05
85
84.95
84.9
84.85
pull
Entries 46
Mean −74.61
Std Dev 84.5
60
40
20
0
−20
−40
pull1D
Entries 46
Mean −2.4
Std Dev 5.195
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



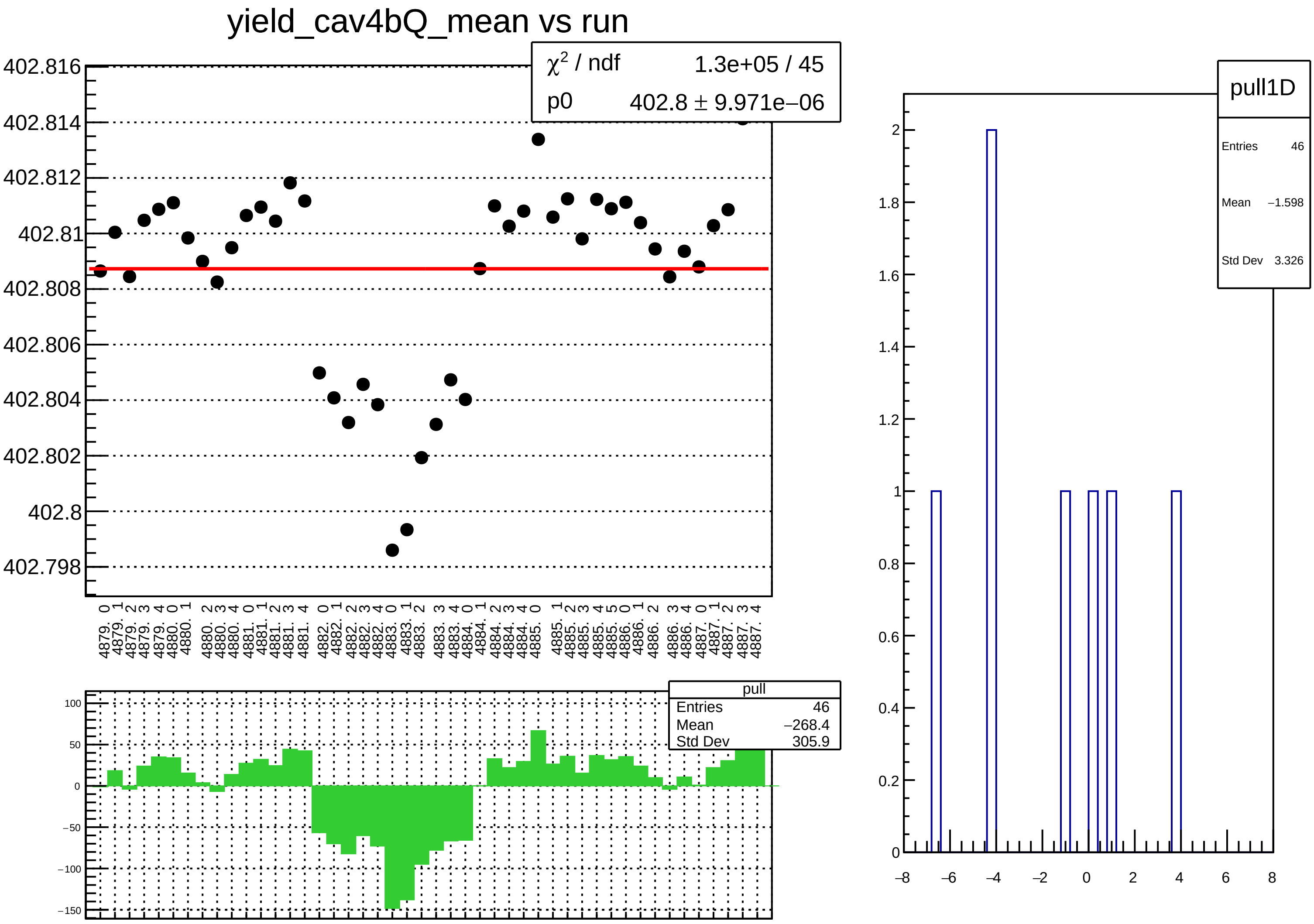
yield_bcm_dg_us_rms vs run
χ^2 / ndf 7058 / 45
p0 0.2571 ± 0.0002756
0.32
0.3
0.28
0.26
0.24
0.22
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

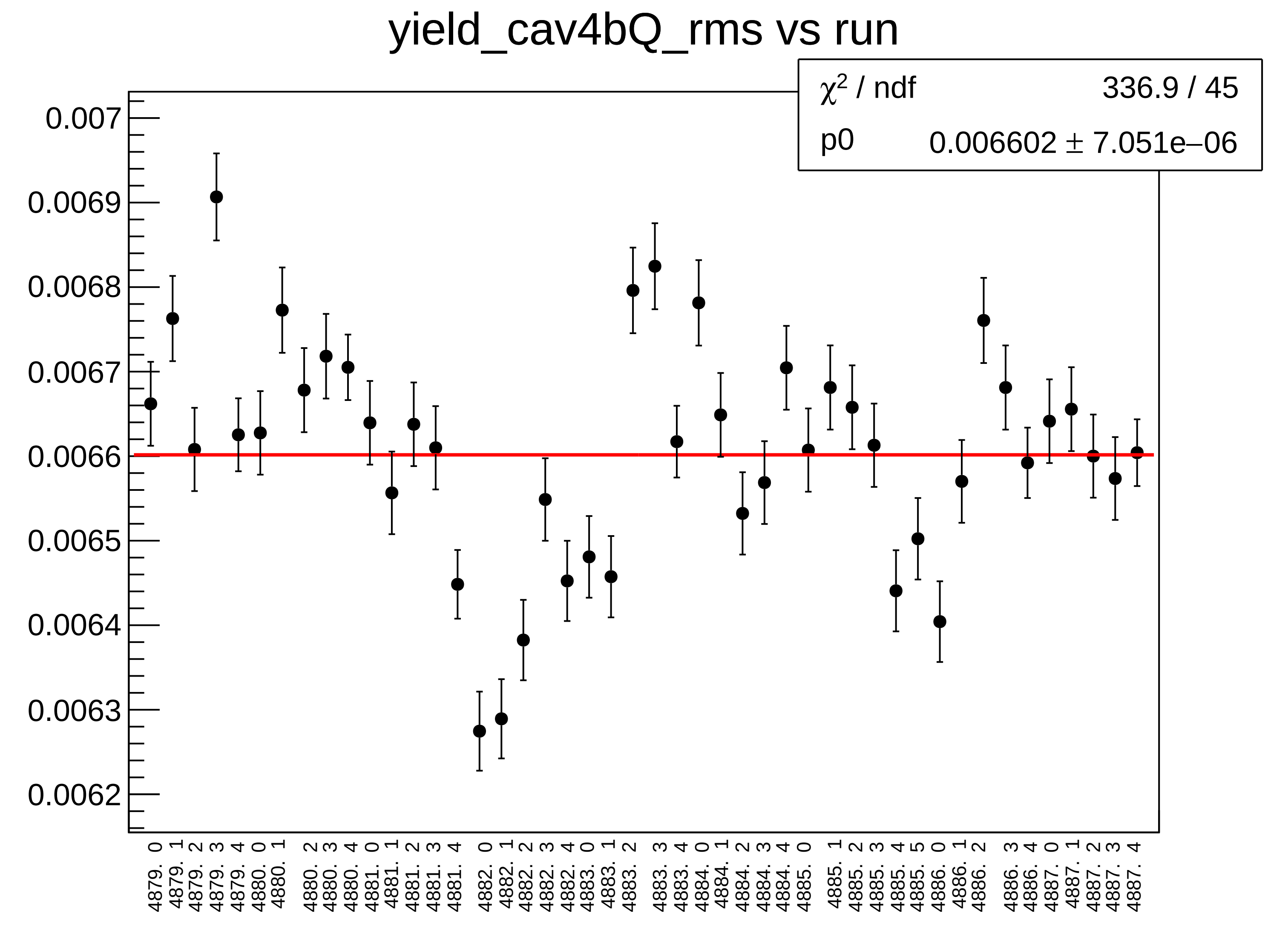


yield_bcm_dg_ds_mean vs run
χ^2 / ndf 2.484e+04 / 45
p0 84.76 ± 0.0003779
pull
Entries 46
Mean −55.54
Std Dev 62.74
pull1D
Entries 46
Mean −0.7187
Std Dev 5.355

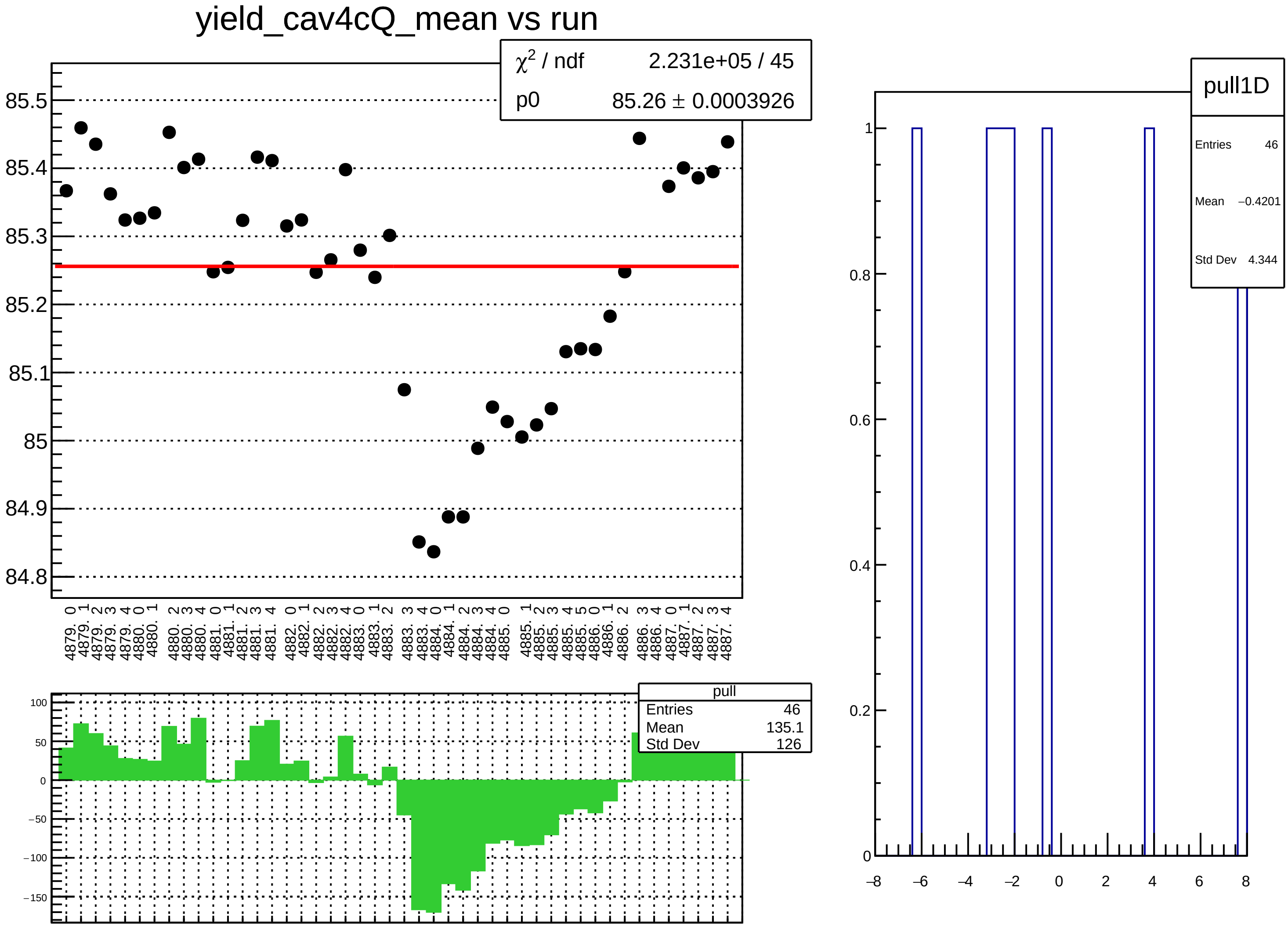


yield_bcm_dg_ds_rms vs run
χ² / ndf 7009 / 45
p0 0.2492 ± 0.0002672
0.3
0.28
0.26
0.24
0.22
0.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

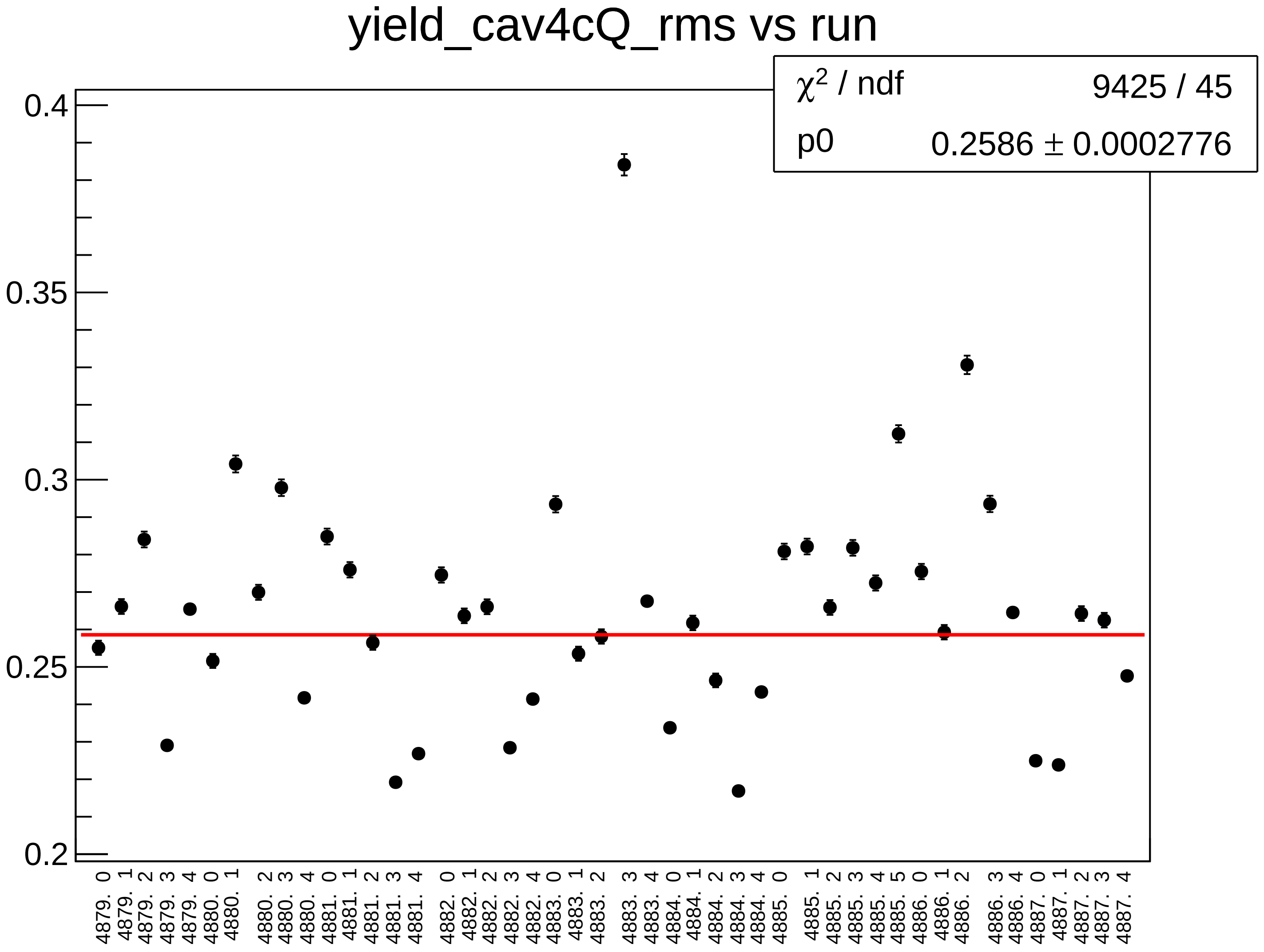

yield_cav4bQ_mean vs run
χ^2 / ndf 1.3e+05 / 45
p0 402.8 ± 9.971e−06
402.816
402.814
402.812
402.81
402.808
402.806
402.804
402.802
402.8
402.798
pull
Entries 46
Mean −268.4
Std Dev 305.9
pull1D
Entries 46
Mean −1.598
Std Dev 3.326

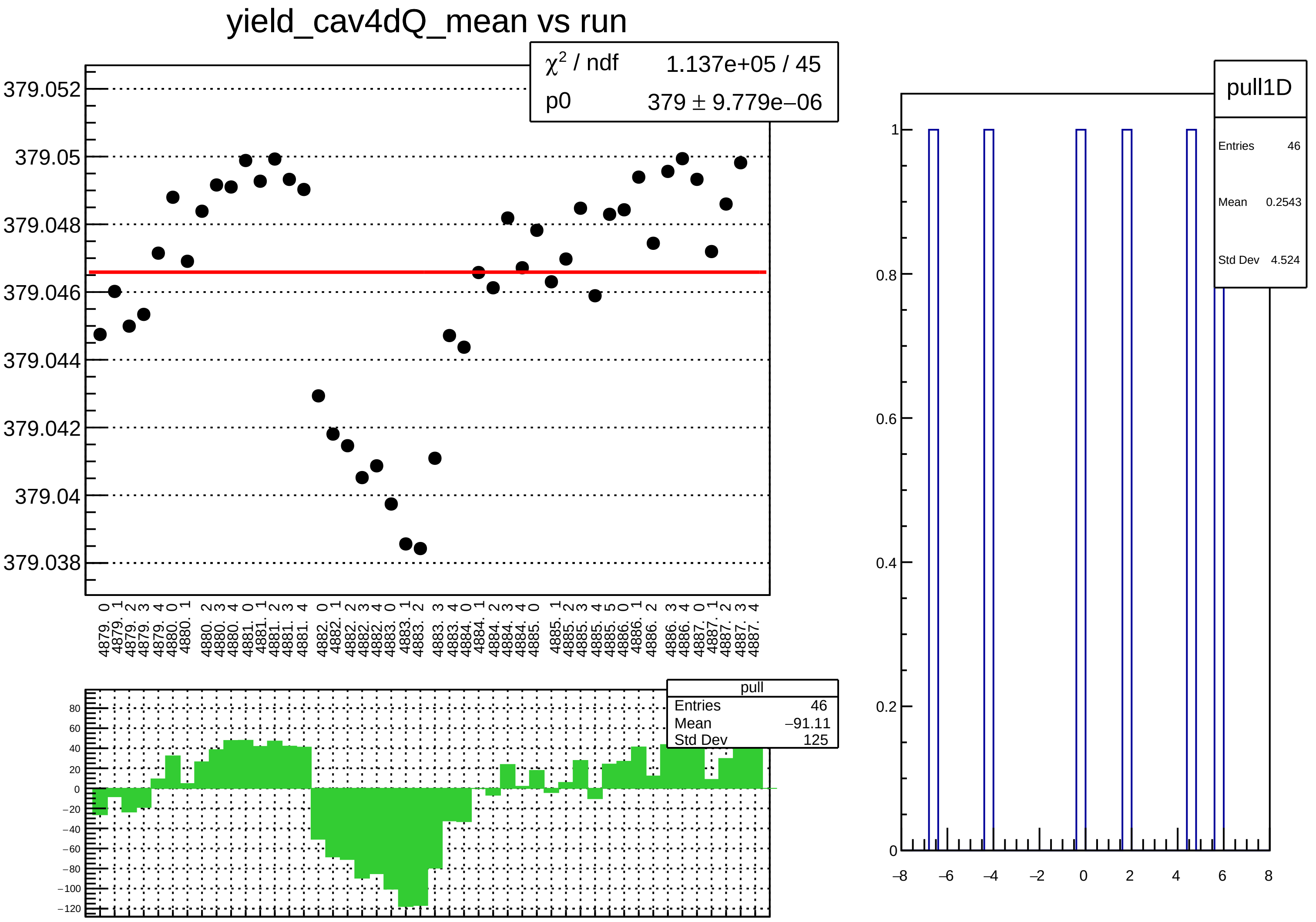


yield_cav4bQ_rms vs run
χ^2 / ndf 336.9 / 45
p0 0.006602 ± 7.051e−06
0.007
0.0069
0.0068
0.0067
0.0066
0.0065
0.0064
0.0063
0.0062
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

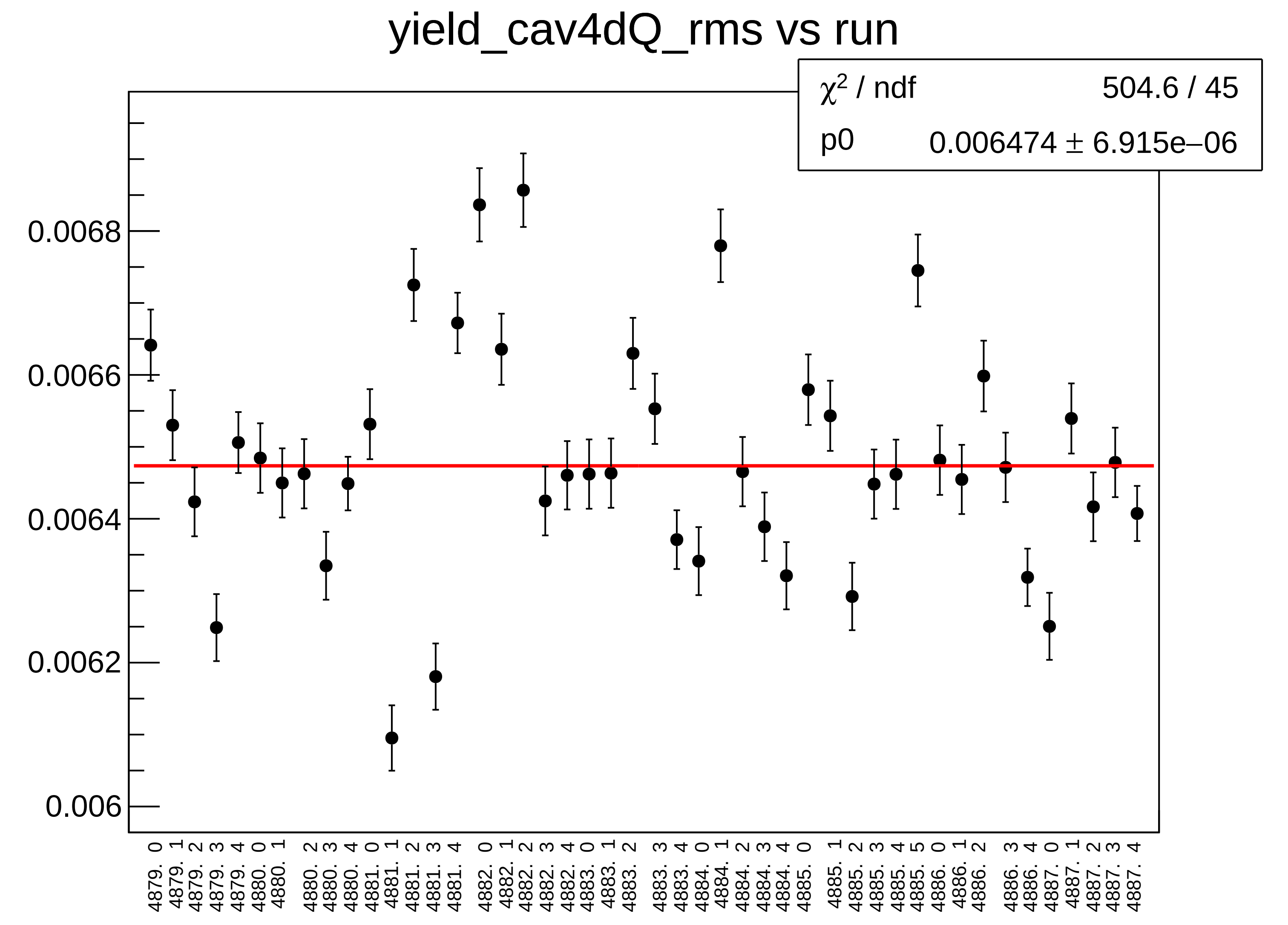


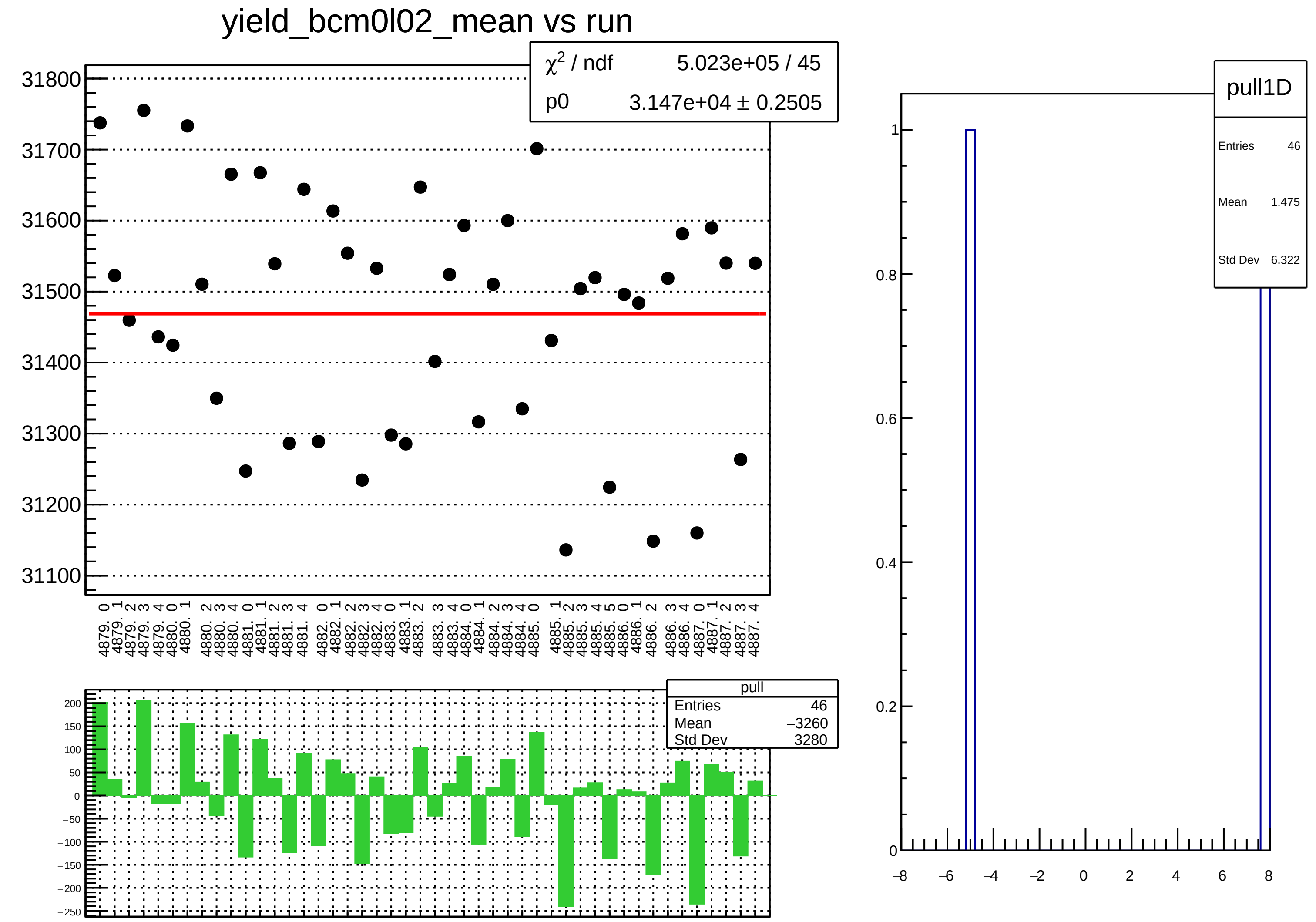
yield_cav4cQ_mean vs run
χ2 / ndf 2.231e+05 / 45
p0 85.26 ± 0.0003926
pull
Entries 46
Mean 135.1
Std Dev 126
pull1D
Entries 46
Mean −0.4201
Std Dev 4.344


yield_cav4cQ_rms vs run
χ2 / ndf 9425 / 45
p0 0.2586 ± 0.0002776
0.4
0.35
0.3
0.25
0.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

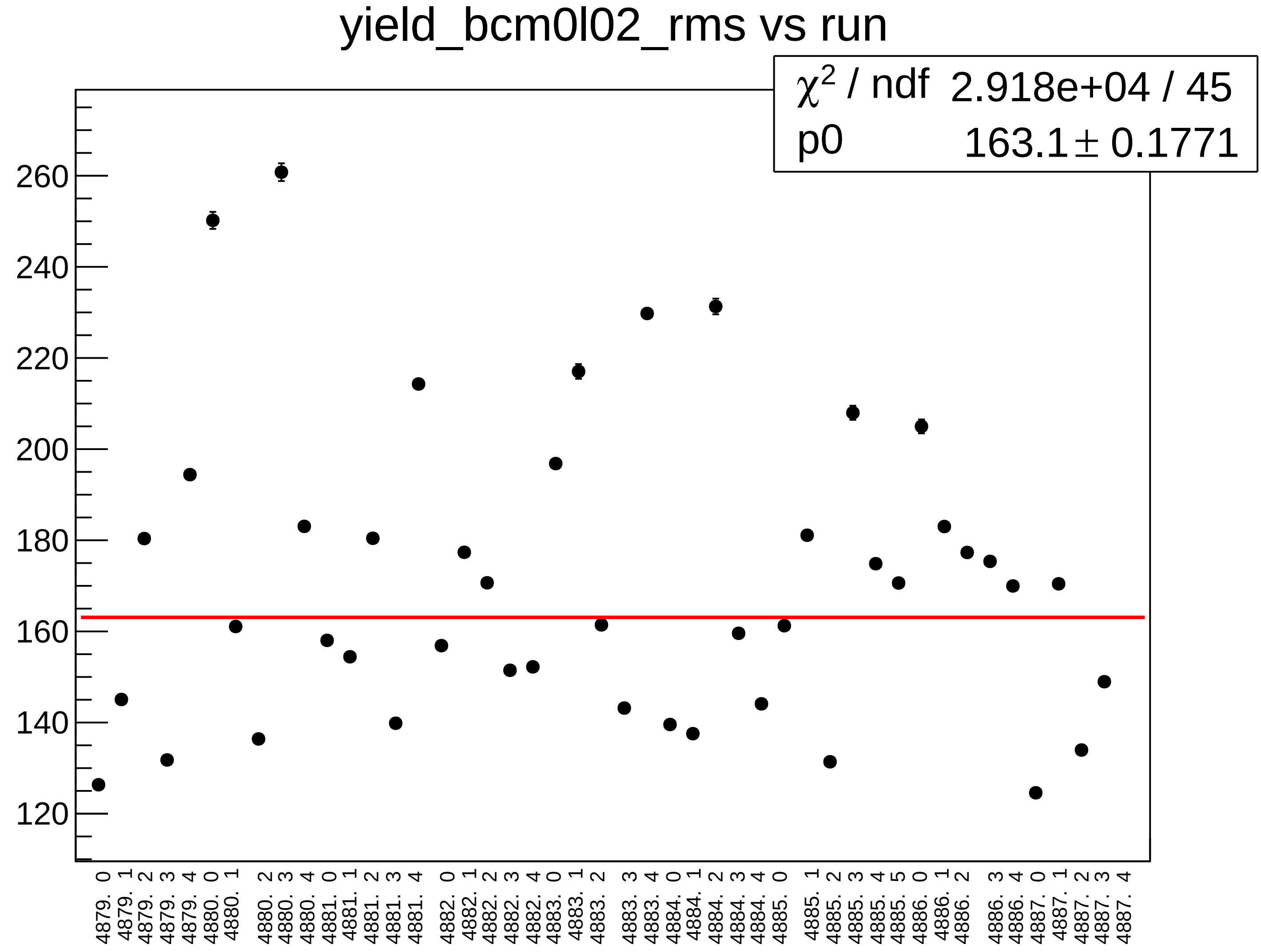


yield_cav4dQ_mean vs run
χ² / ndf 1.137e+05 / 45
p0 379 ± 9.779e−06
pull
Entries 46
Mean −91.11
Std Dev 125
pull1D
Entries 46
Mean 0.2543
Std Dev 4.524


yield_cav4dQ_rms vs run
χ^2 / ndf 504.6 / 45
p0 0.006474 ± 6.915e−06
0.0068
0.0066
0.0064
0.0062
0.006
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_bcm0l02_mean vs run
χ^2 / ndf 5.023e+05 / 45
p0 3.147e+04 ± 0.2505
31800
31700
31600
31500
31400
31300
31200
31100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −3260
Std Dev 3280
200
150
100
50
0
−50
−100
−150
−200
−250
pull1D
Entries 46
Mean 1.475
Std Dev 6.322
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm0l02_rms vs run
χ^2 / ndf 2.918e+04 / 45
p0 163.1 ± 0.1771
260
240
220
200
180
160
140
120
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
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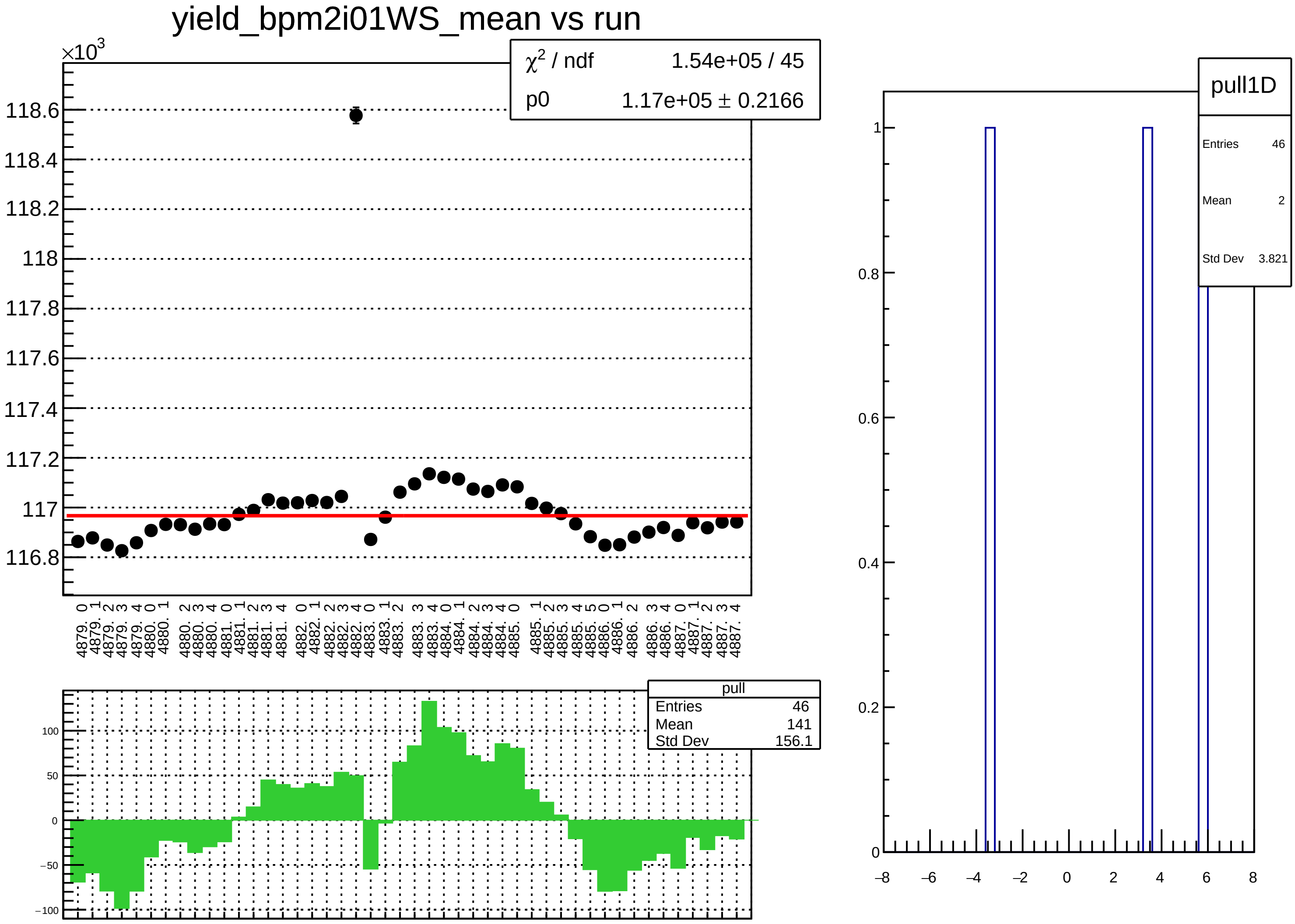
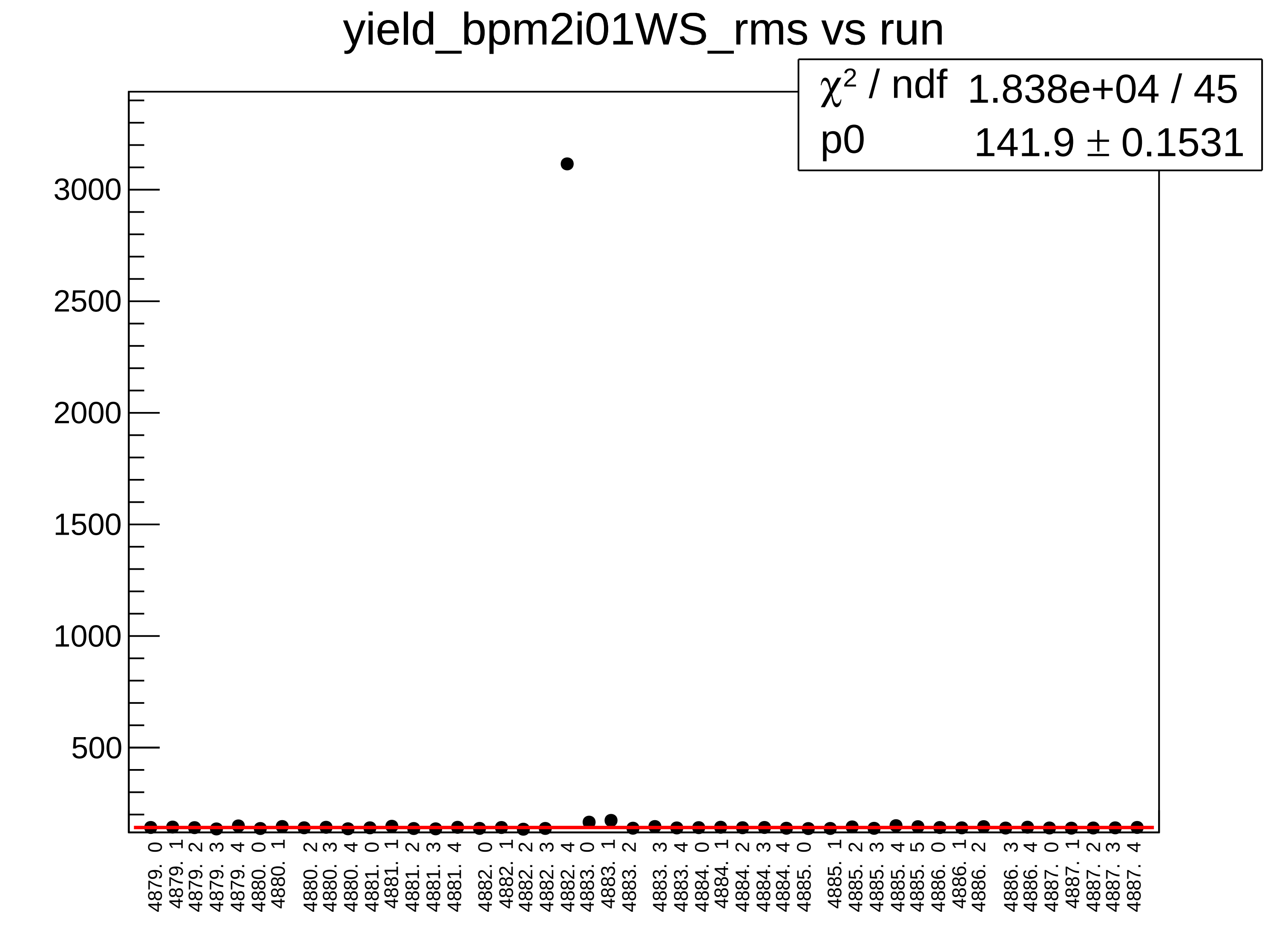
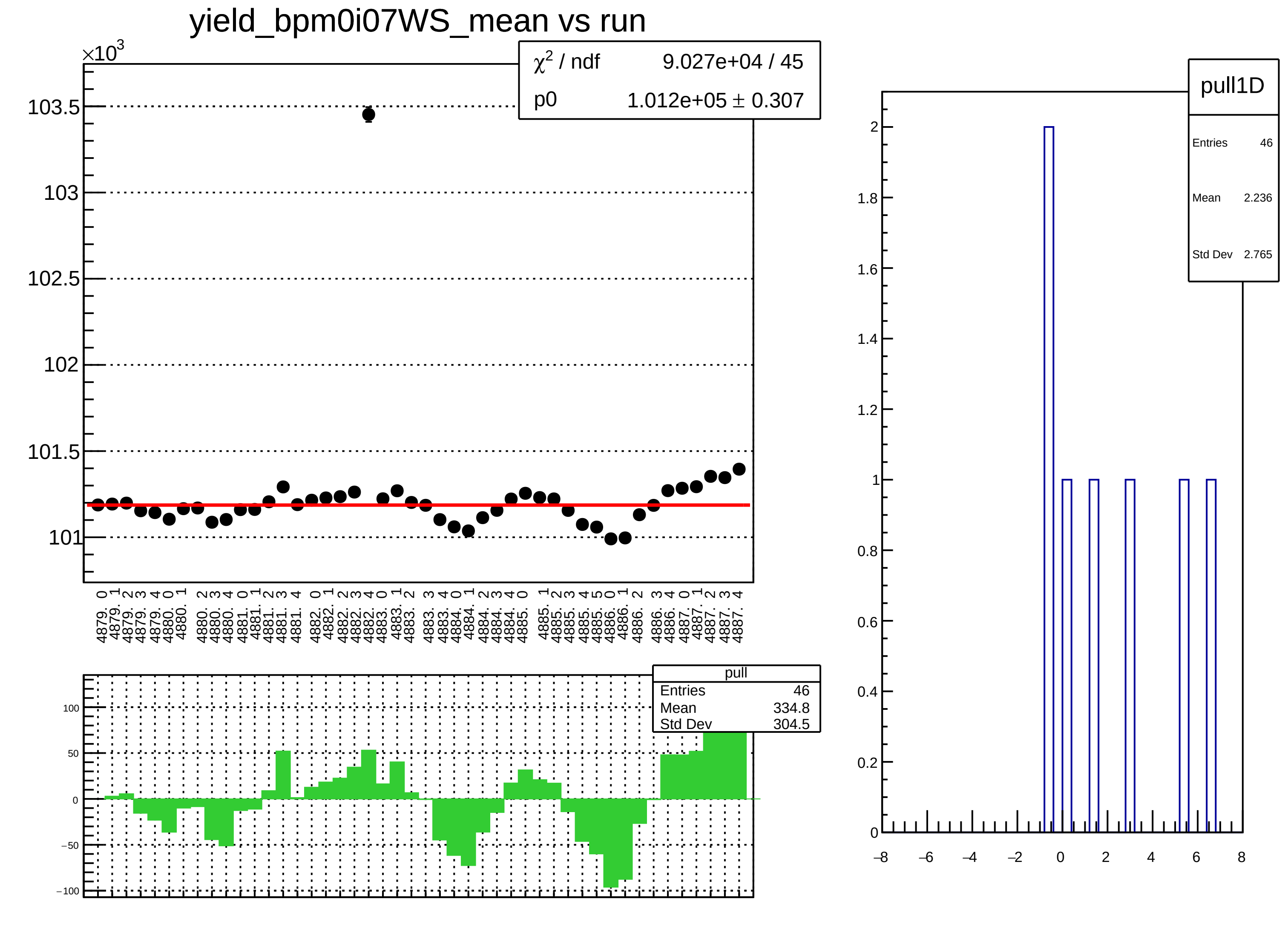
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



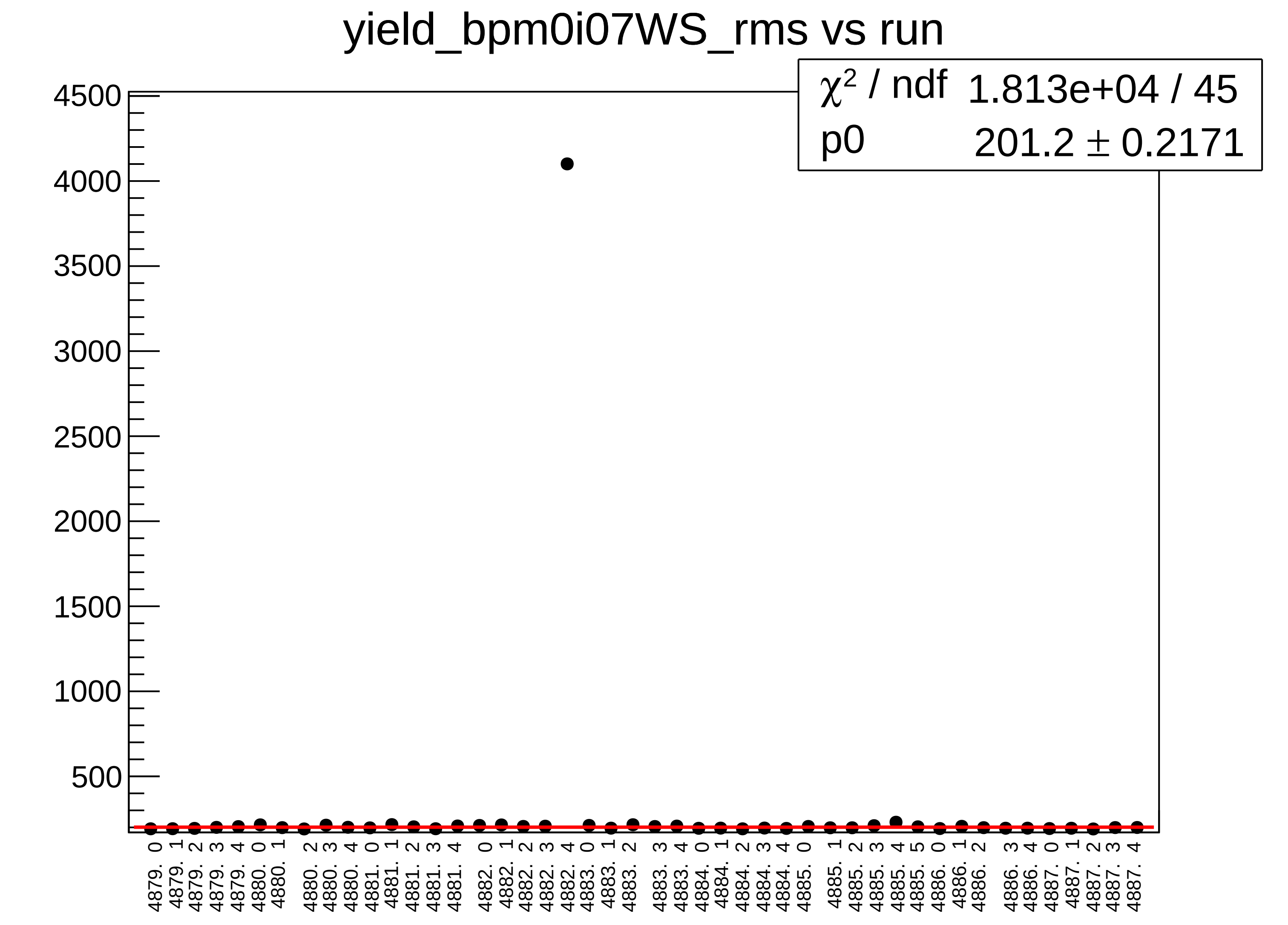
yield_bpm2i01WS_mean vs run
$\times 10^3$
χ^2 / ndf 1.54e+05 / 45
p0 1.17e+05 ± 0.2166
118.6
118.4
118.2
118
117.8
117.6
117.4
117.2
117
116.8
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4
pull
Entries 46
Mean 141
Std Dev 156.1
100
50
0
−50
−100
pull1D
Entries 46
Mean 2
Std Dev 3.821
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

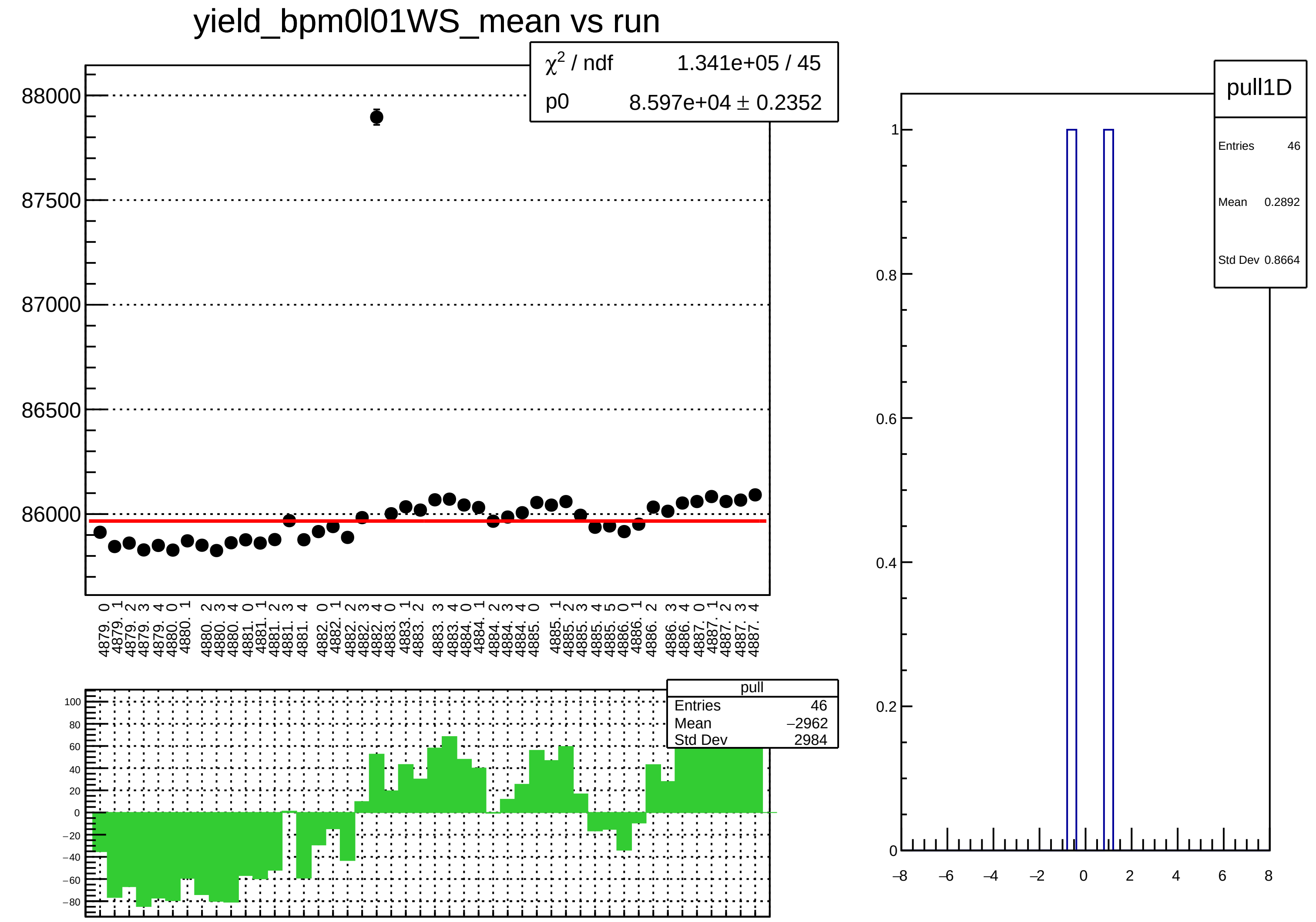


yield_bpm2i01WS_rms vs run
χ^2 / ndf 1.838e+04 / 45
p0 141.9 ± 0.1531
3000
2500
2000
1500
1000
500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

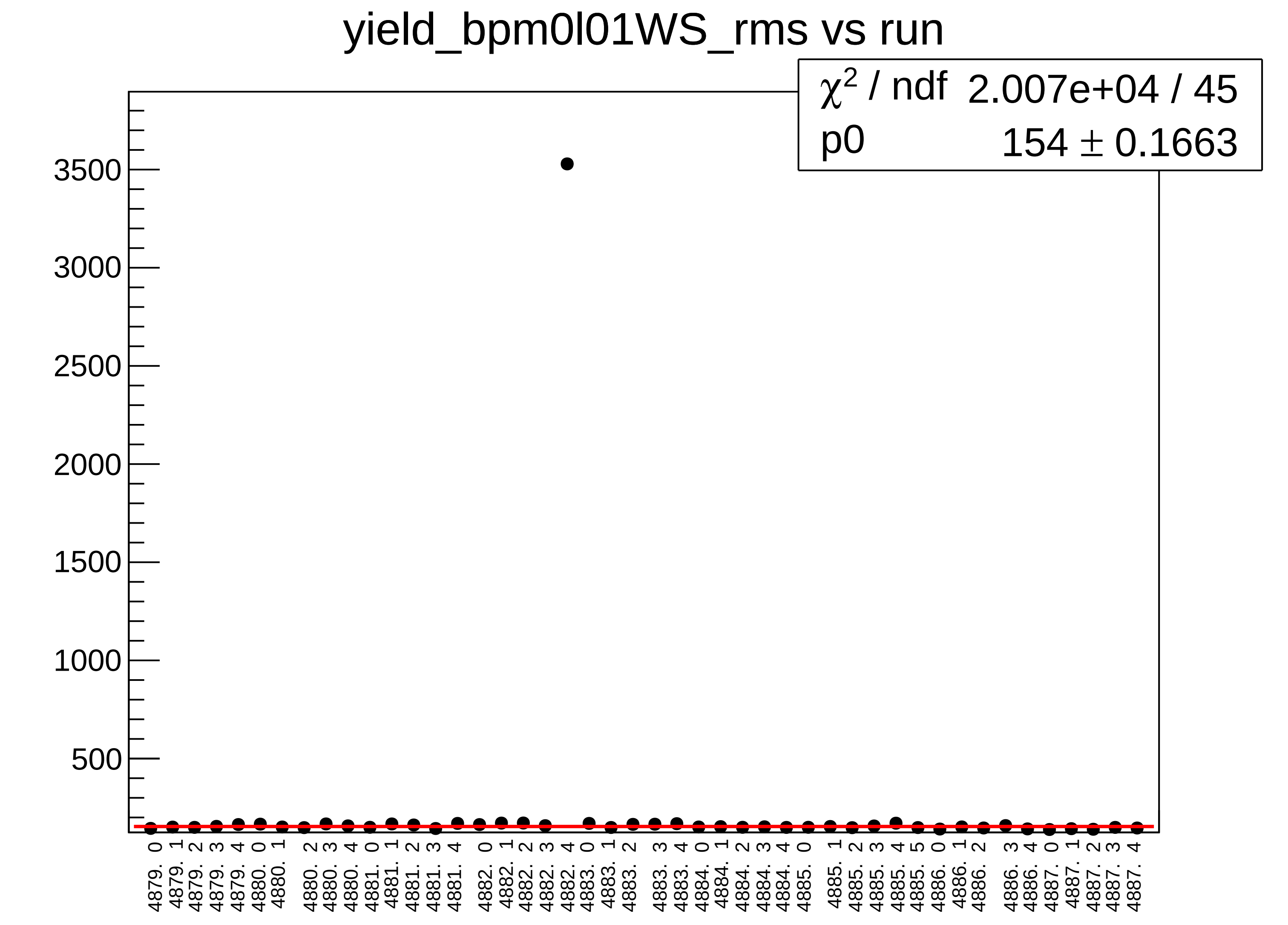


yield_bpm0i07WS_mean vs run
χ2 / ndf 9.027e+04 / 45
p0 1.012e+05 ± 0.307
pull
Entries 46
Mean 334.8
Std Dev 304.5
pull1D
Entries 46
Mean 2.236
Std Dev 2.765

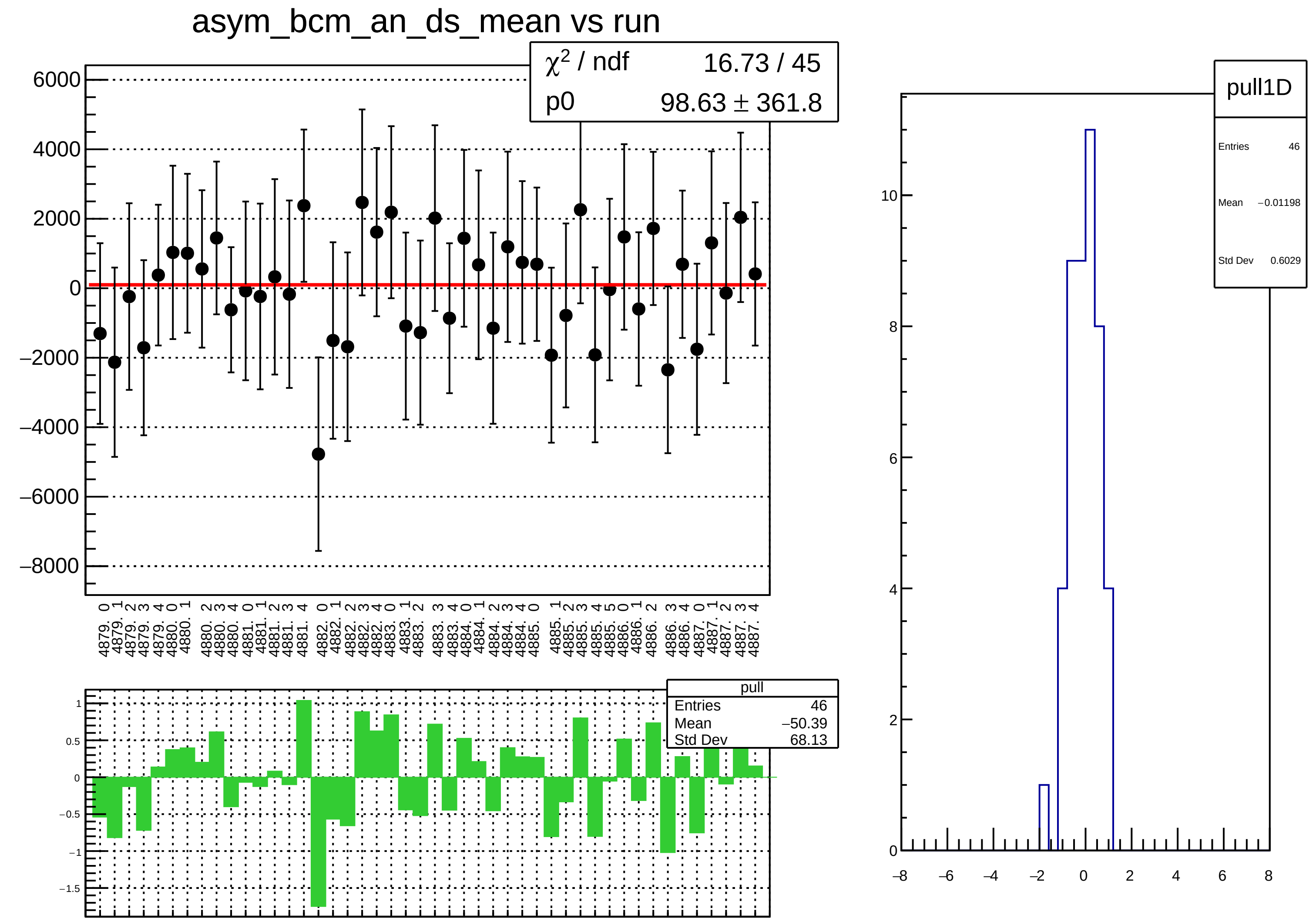

yield_bpm0i07WS_rms vs run
χ^2 / ndf 1.813e+04 / 45
p0 201.2 ± 0.2171
4500
4000
3500
3000
2500
2000
1500
1000
500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



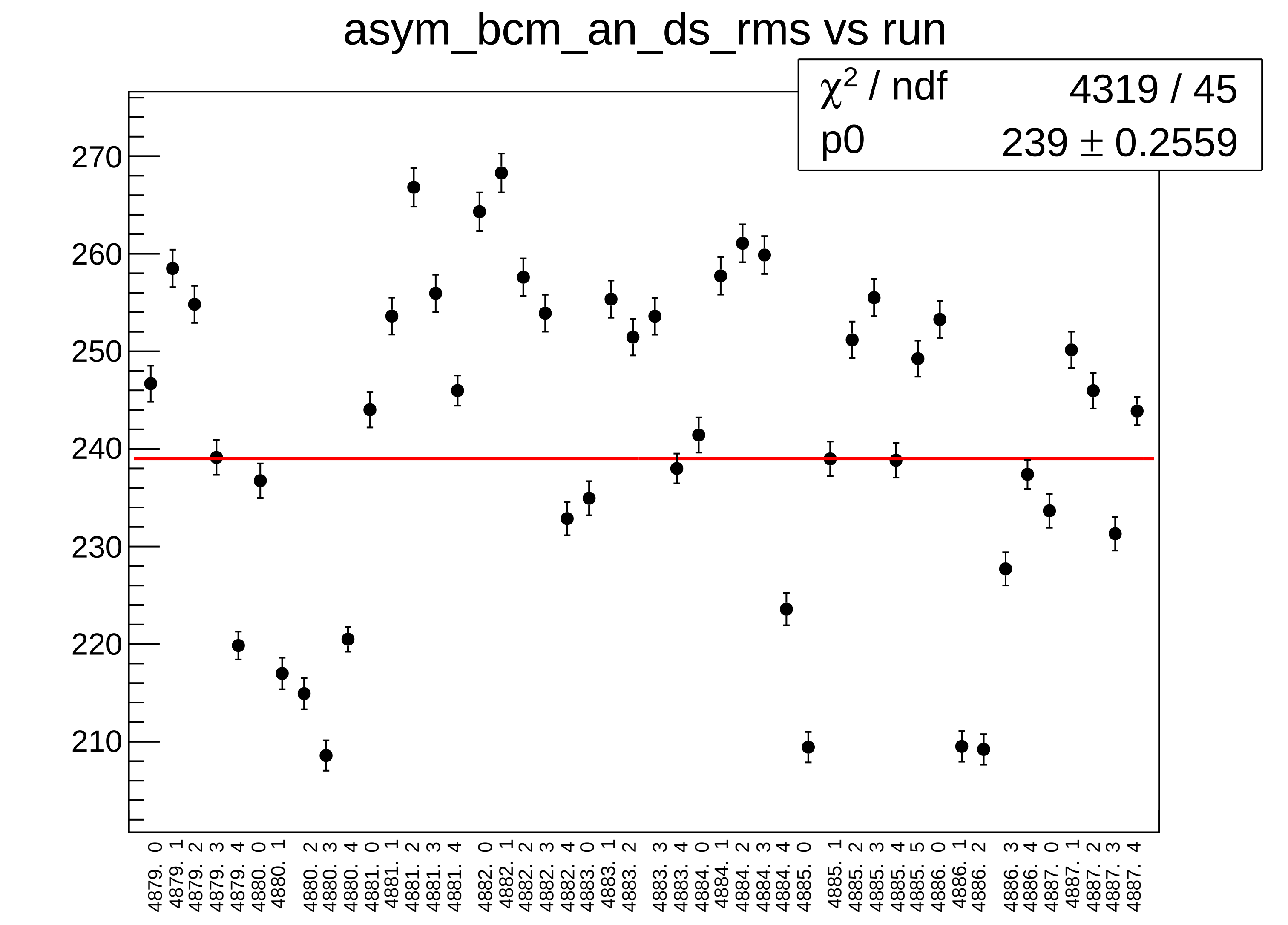
yield_bpm0l01WS_mean vs run
χ^2 / ndf 1.341e+05 / 45
p0 8.597e+04 ± 0.2352
88000
87500
87000
86500
86000
pull
Entries 46
Mean −2962
Std Dev 2984
pull1D
Entries 46
Mean 0.2892
Std Dev 0.8664



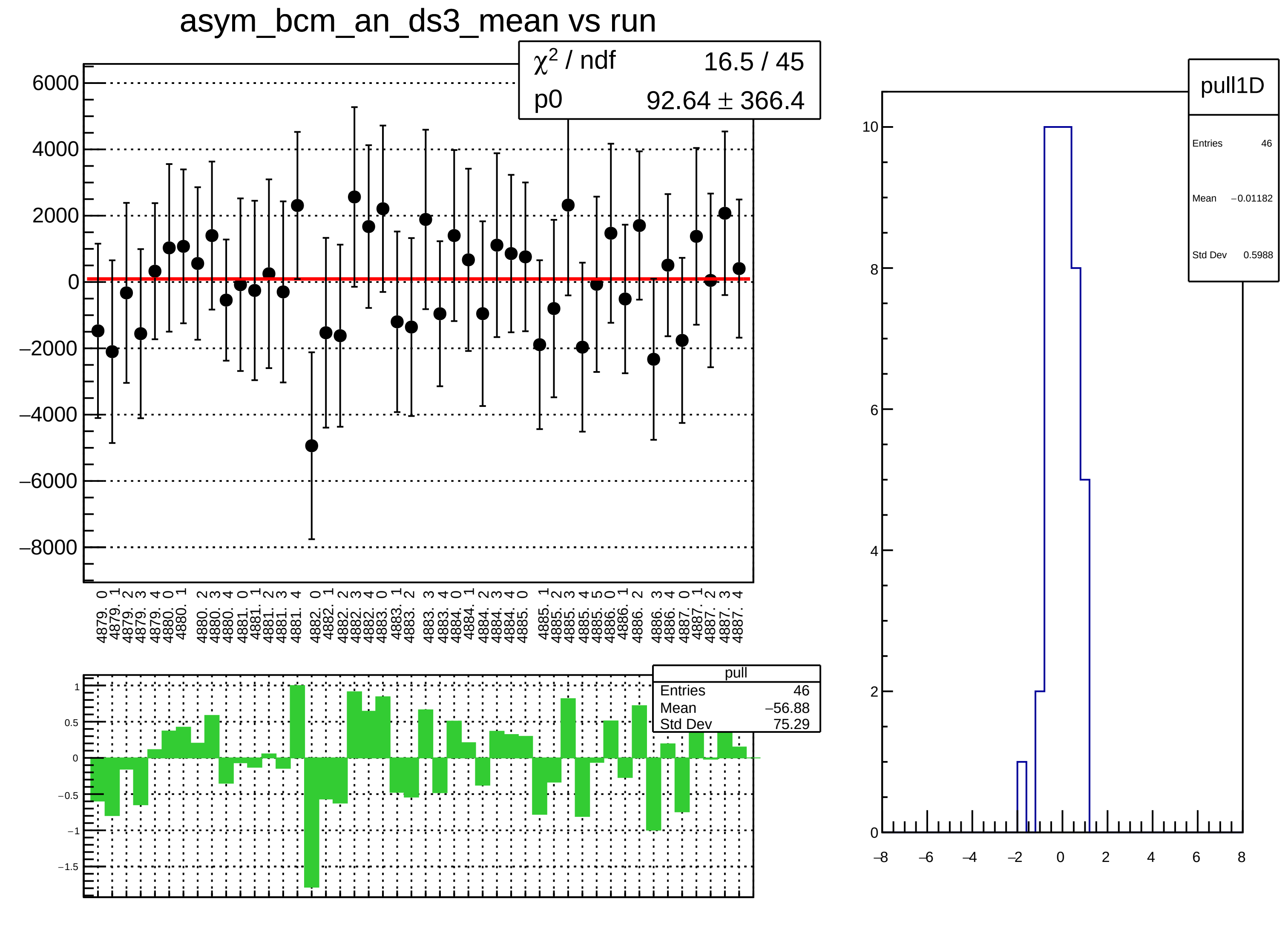
yield_bpm0l01WS_rms vs run
χ^2 / ndf 2.007e+04 / 45
p0 154 ± 0.1663
3500
3000
2500
2000
1500
1000
500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

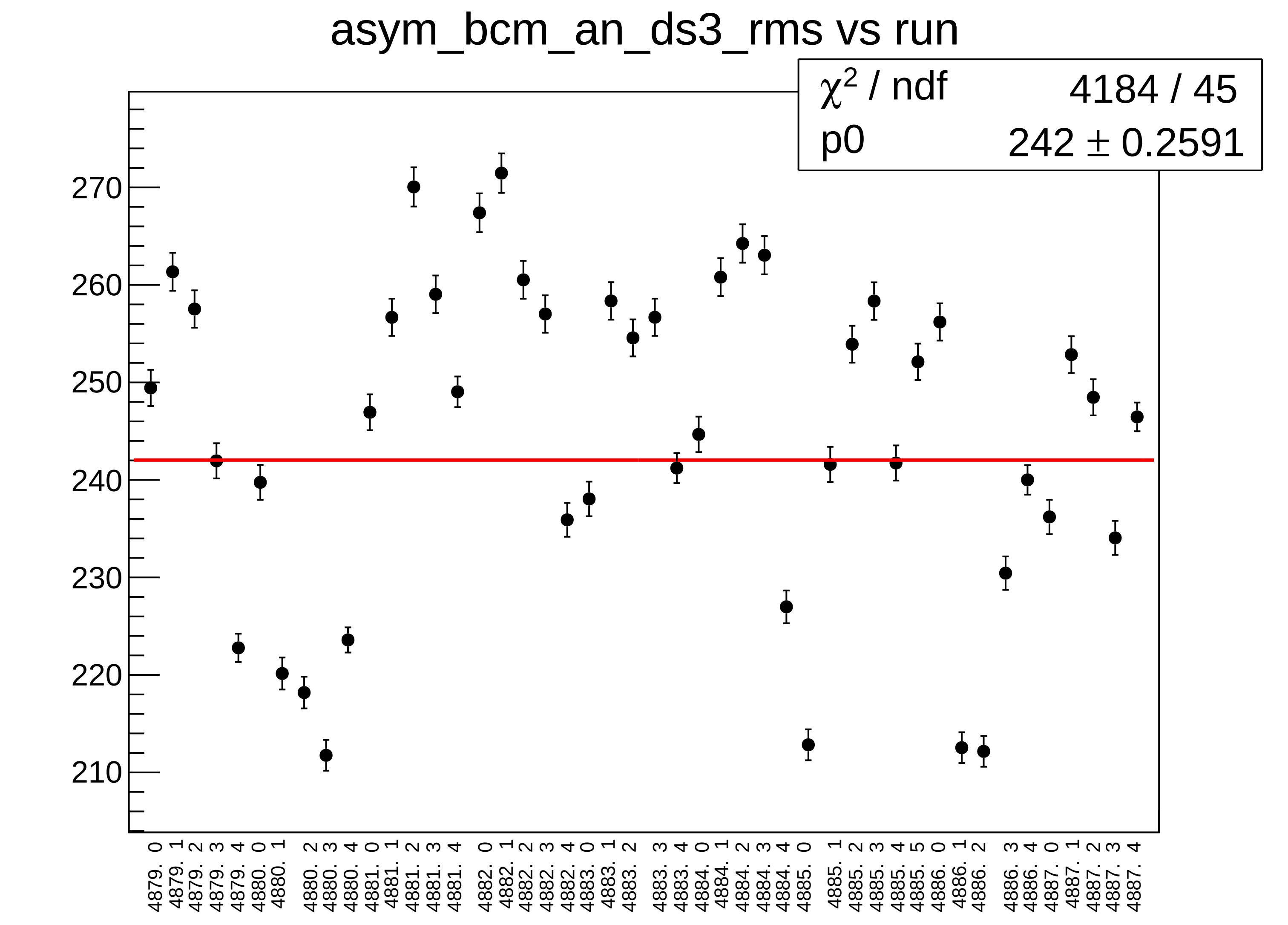


asym_bcm_an_ds_mean vs run
χ^2 / ndf 16.73 / 45
p0 98.63 ± 361.8
pull
Entries 46
Mean −50.39
Std Dev 68.13
pull1D
Entries 46
Mean −0.01198
Std Dev 0.6029

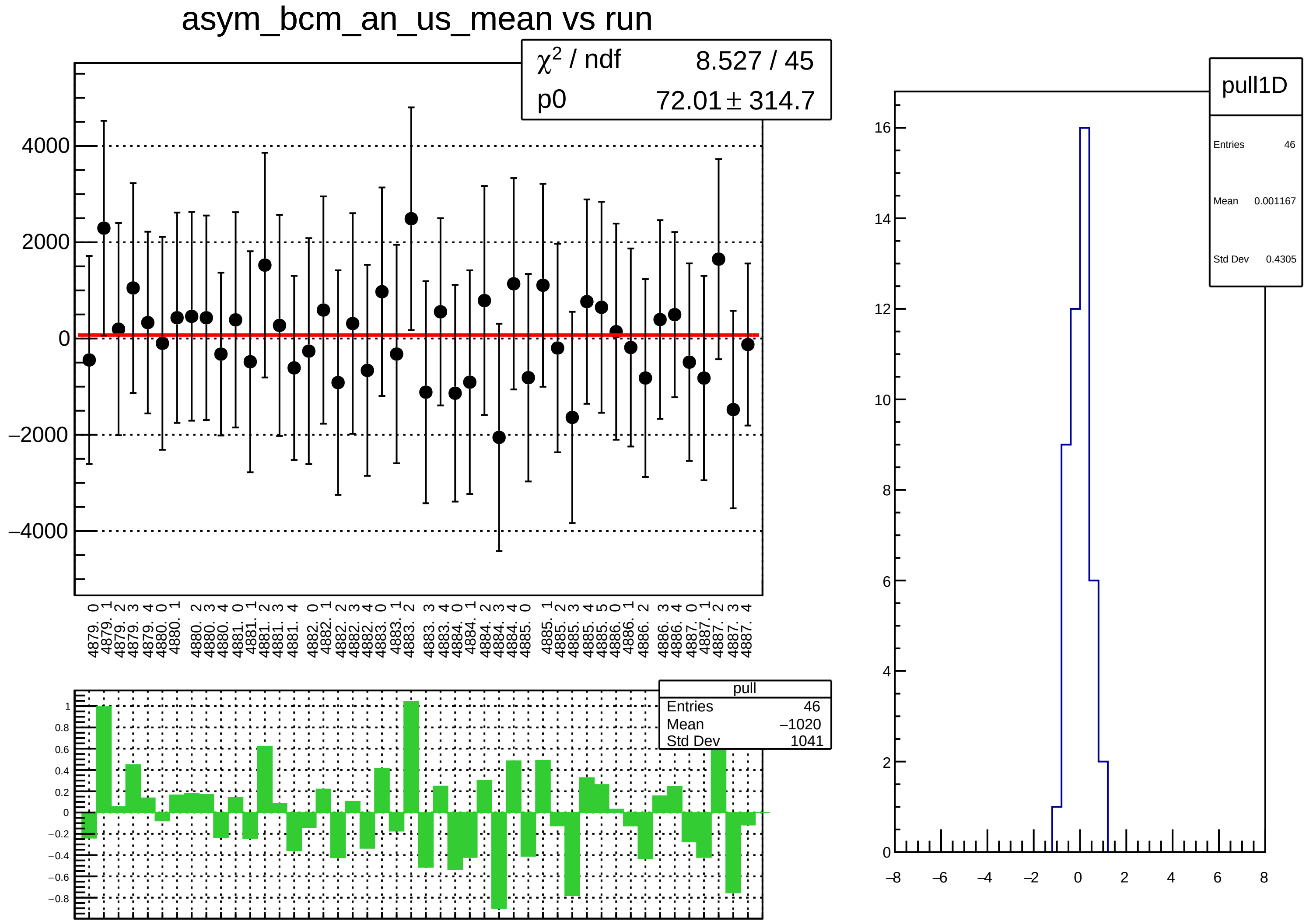


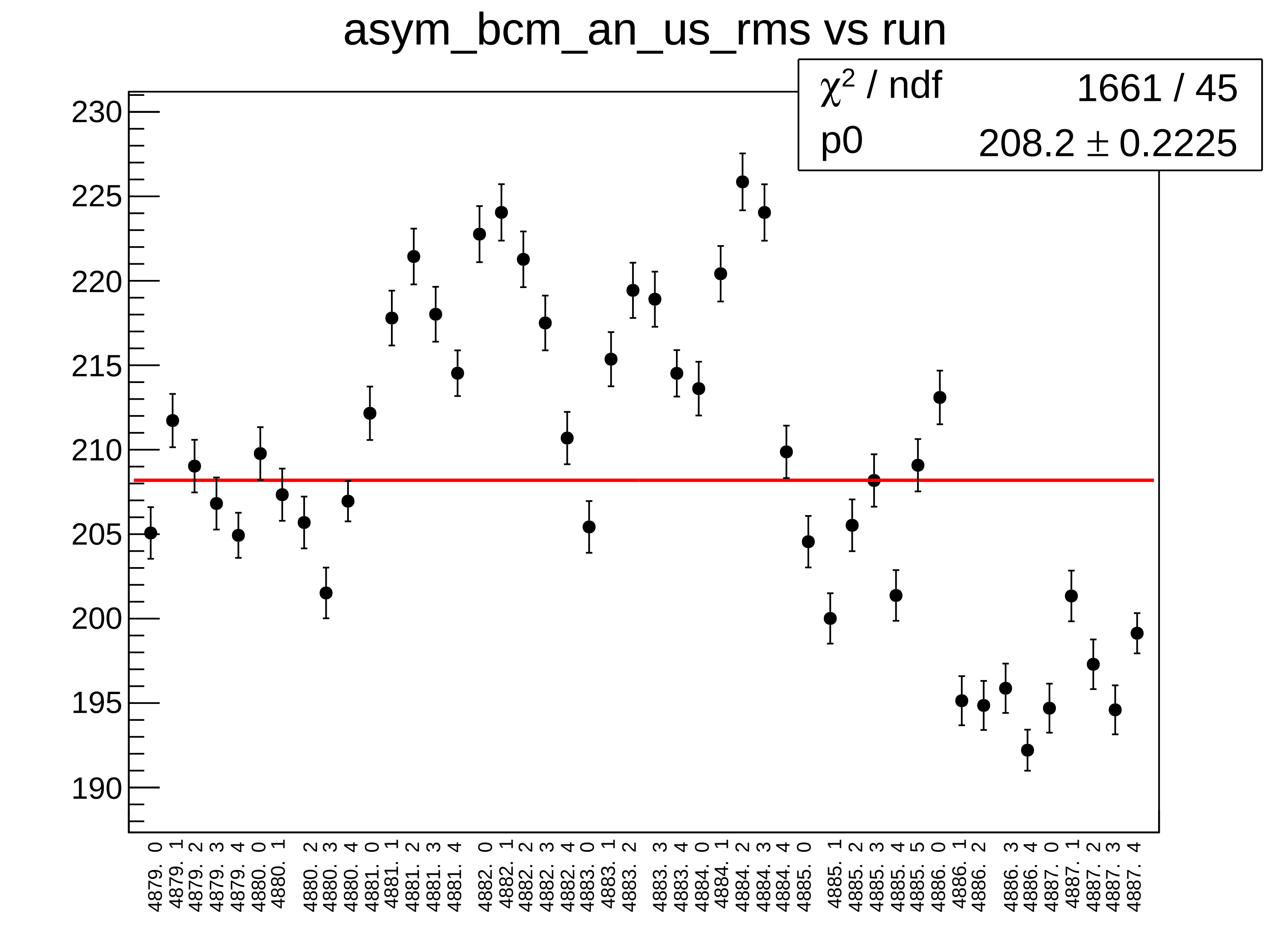
asym_bcm_an_ds_rms vs run
χ2 / ndf 4319 / 45
p0 239 ± 0.2559
270
260
250
240
230
220
210
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4


asym_bcm_an_ds3_mean vs run
χ^2 / ndf 16.5 / 45
p0 92.64 ± 366.4
pull
Entries 46
Mean −56.88
Std Dev 75.29
pull1D
Entries 46
Mean −0.01182
Std Dev 0.5988



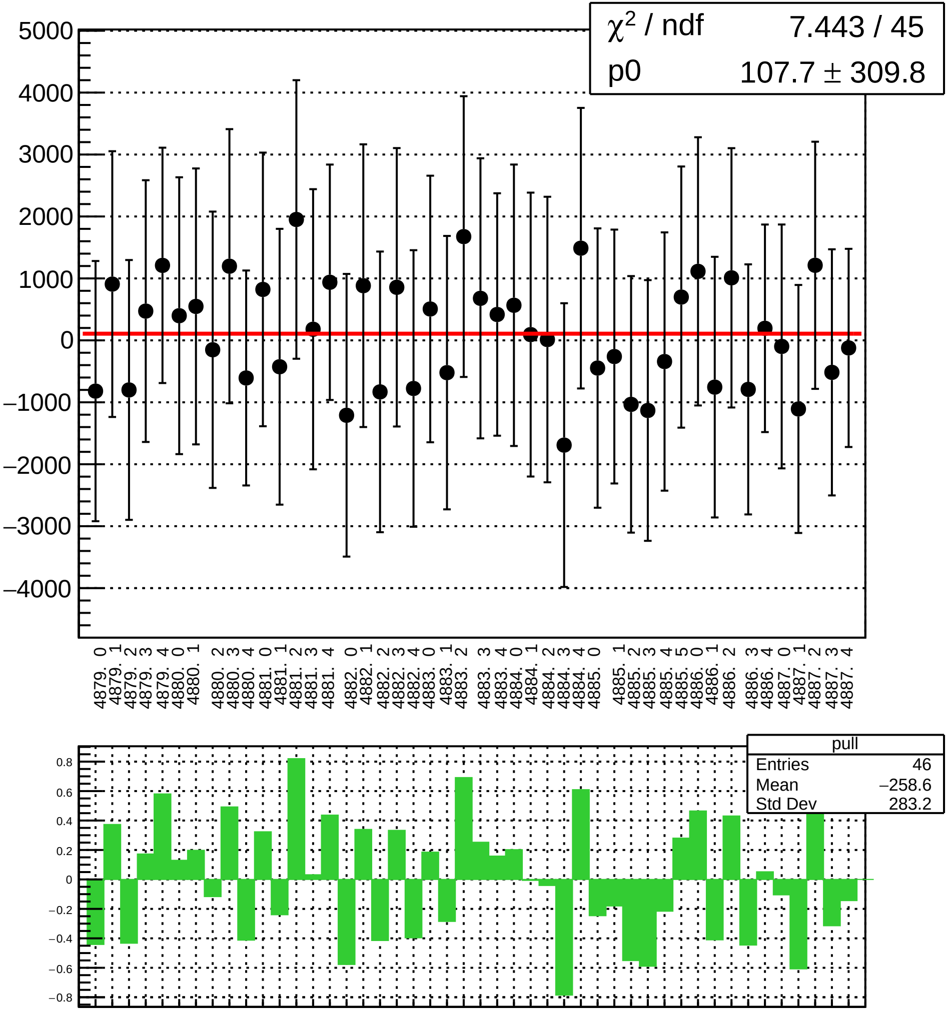
asym_bcm_an_ds3_rms vs run
χ2 / ndf 4184 / 45
p0 242 ± 0.2591
270
260
250
240
230
220
210
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

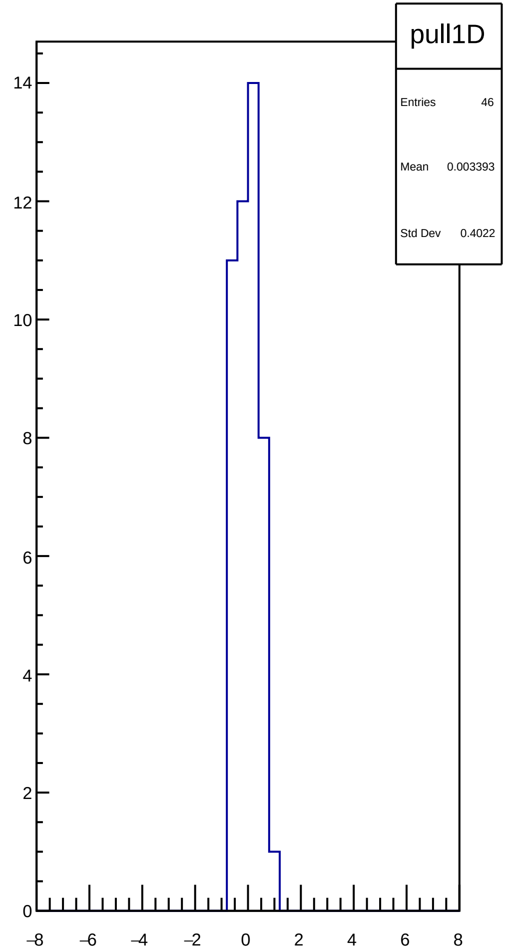

asym_bcm_an_us_mean vs run
χ^2 / ndf 8.527 / 45
p0 72.01 ± 314.7
4000
2000
0
−2000
−4000
pull
Entries 46
Mean −1020
Std Dev 1041
pull1D
Entries 46
Mean 0.001167
Std Dev 0.4305

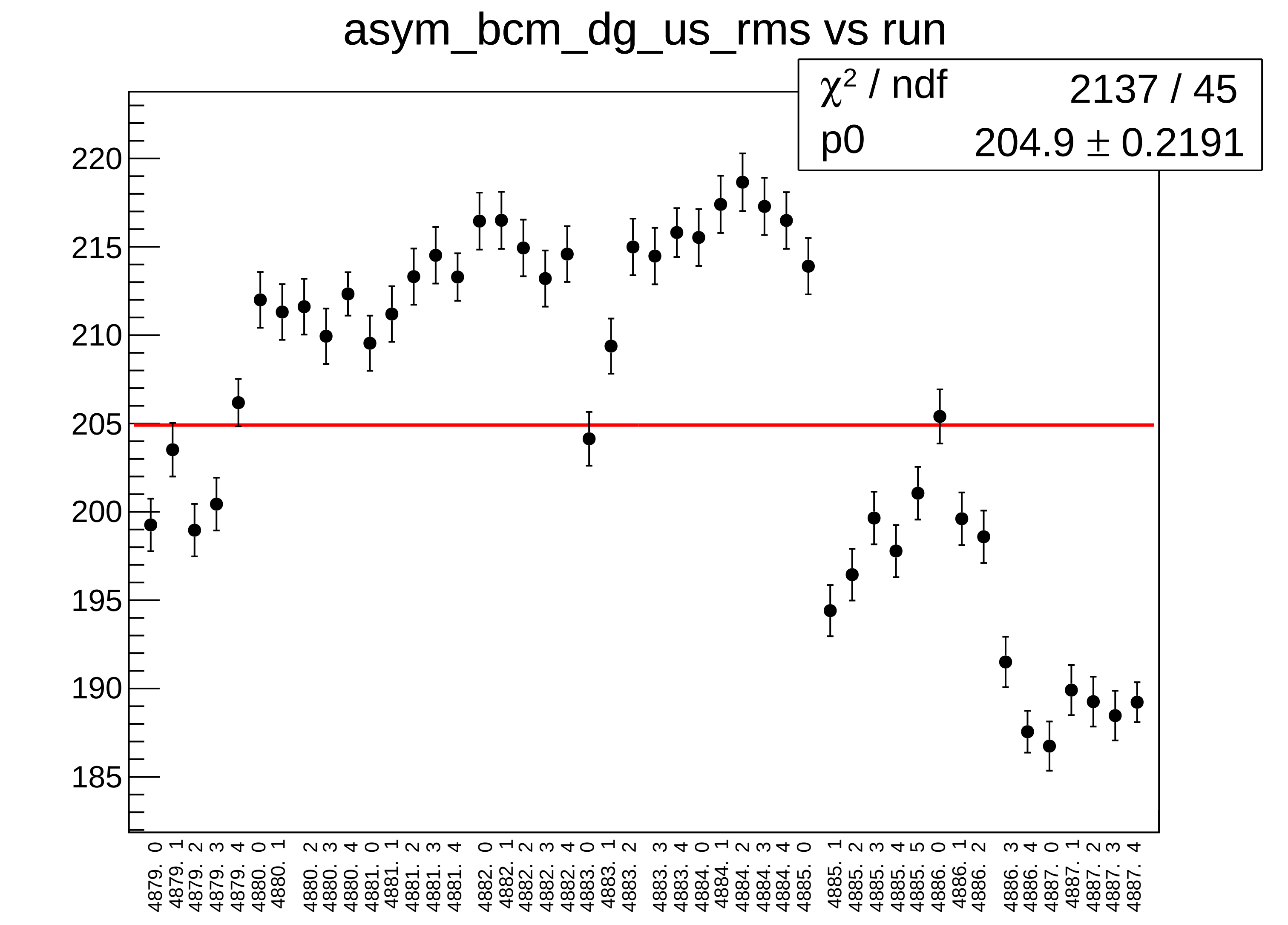


asym_bcm_an_us_rms vs run
χ^2 / ndf 1661 / 45
p0 208.2 ± 0.2225
230
225
220
215
210
205
200
195
190
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_bcm_dg_us_mean vs run

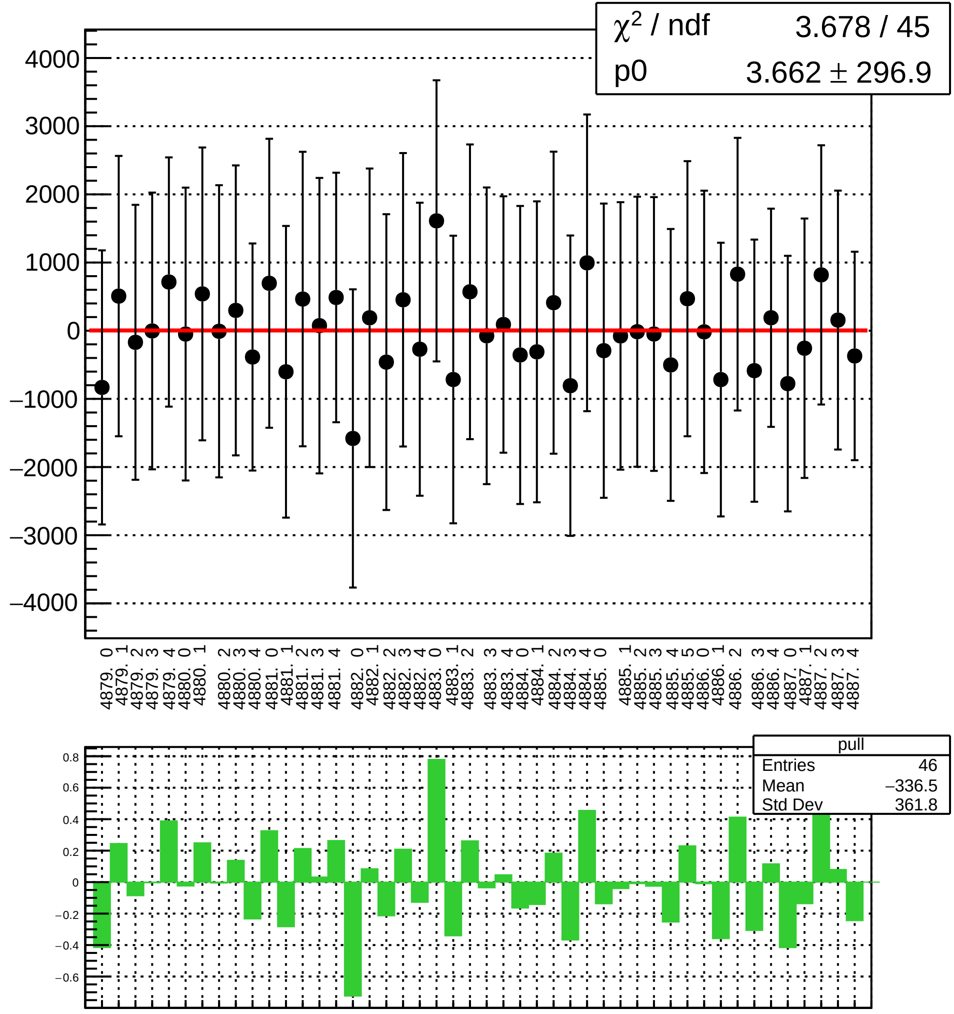


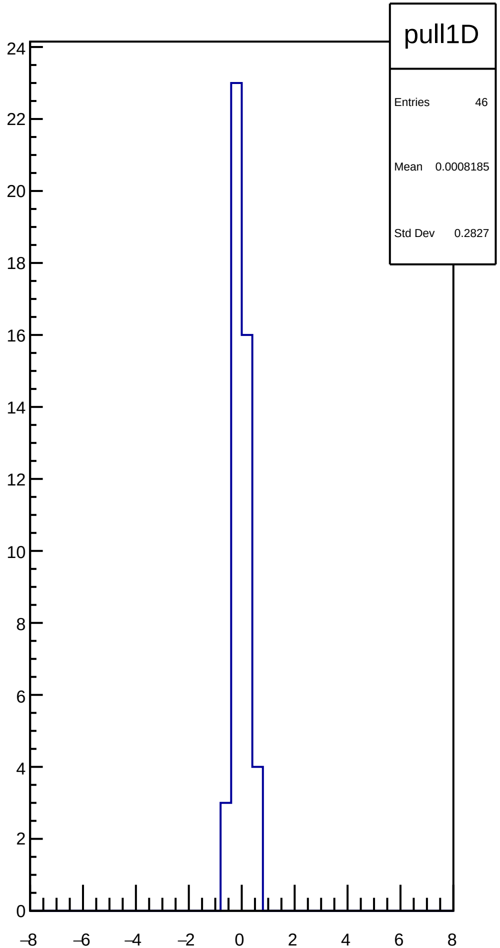


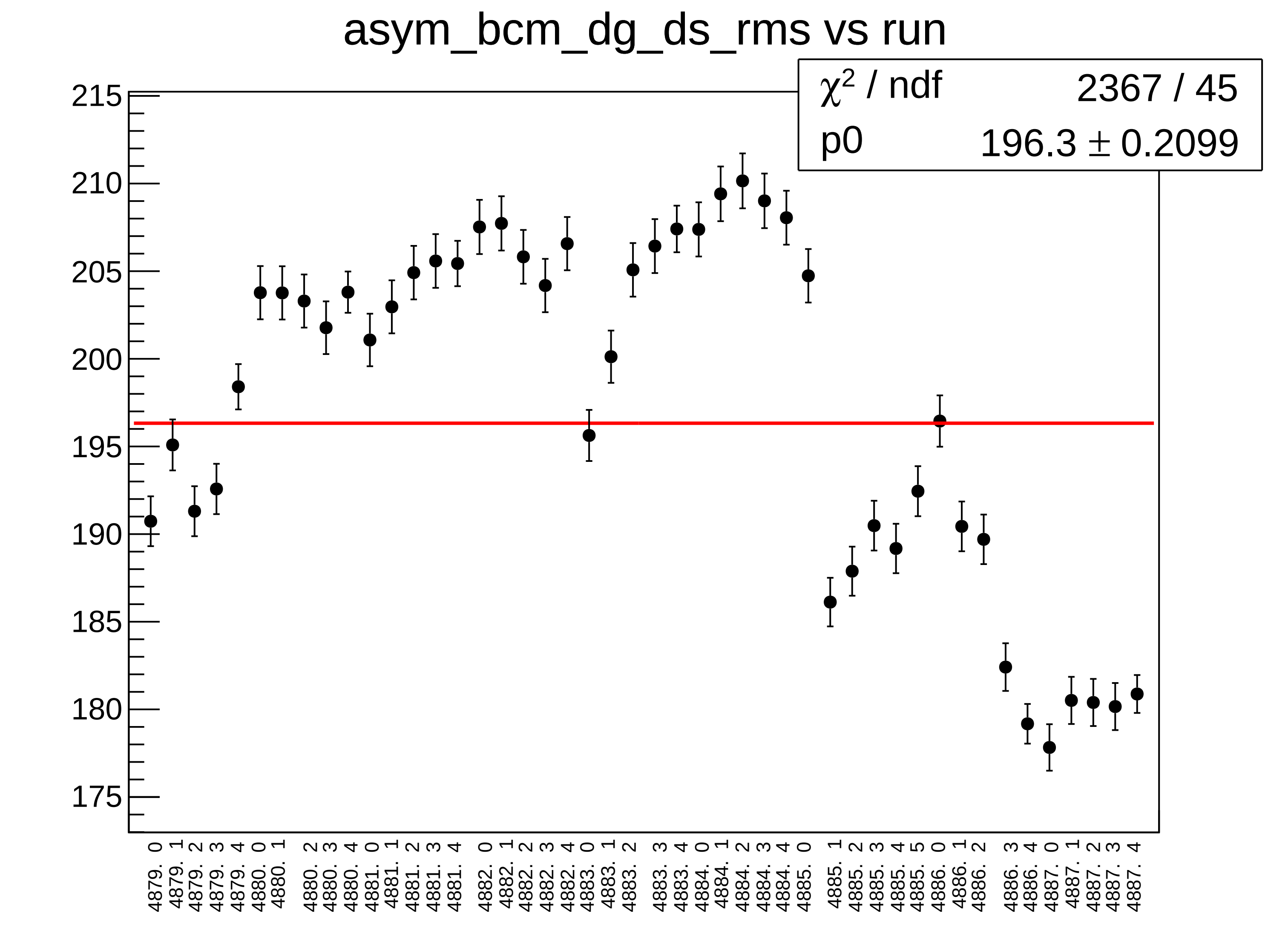


asym_bcm_dg_us_rms vs run
χ^2 / ndf 2137 / 45
p0 204.9 ± 0.2191
220
215
210
205
200
195
190
185
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4

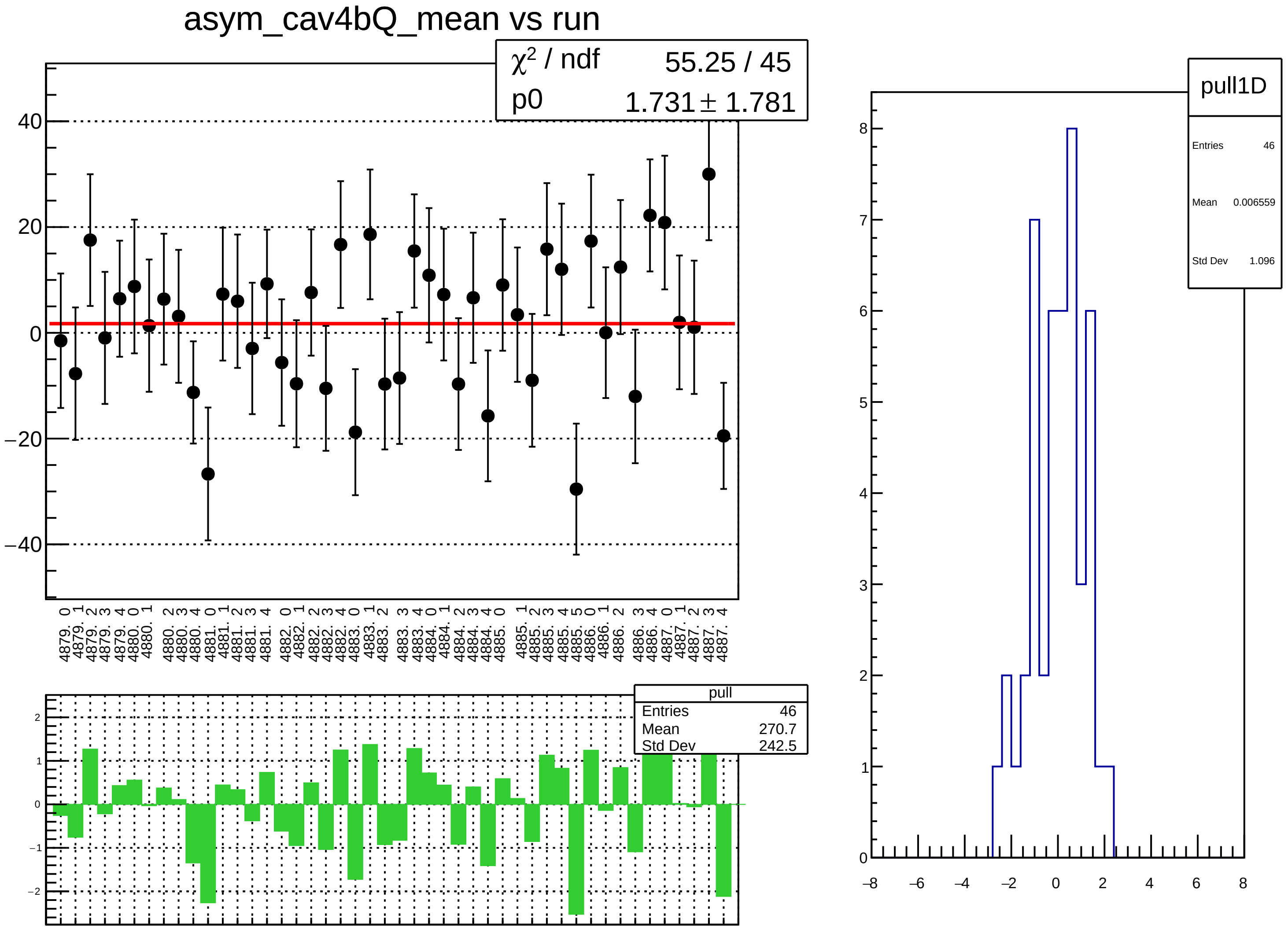
asym_bcm_dg_ds_mean vs run



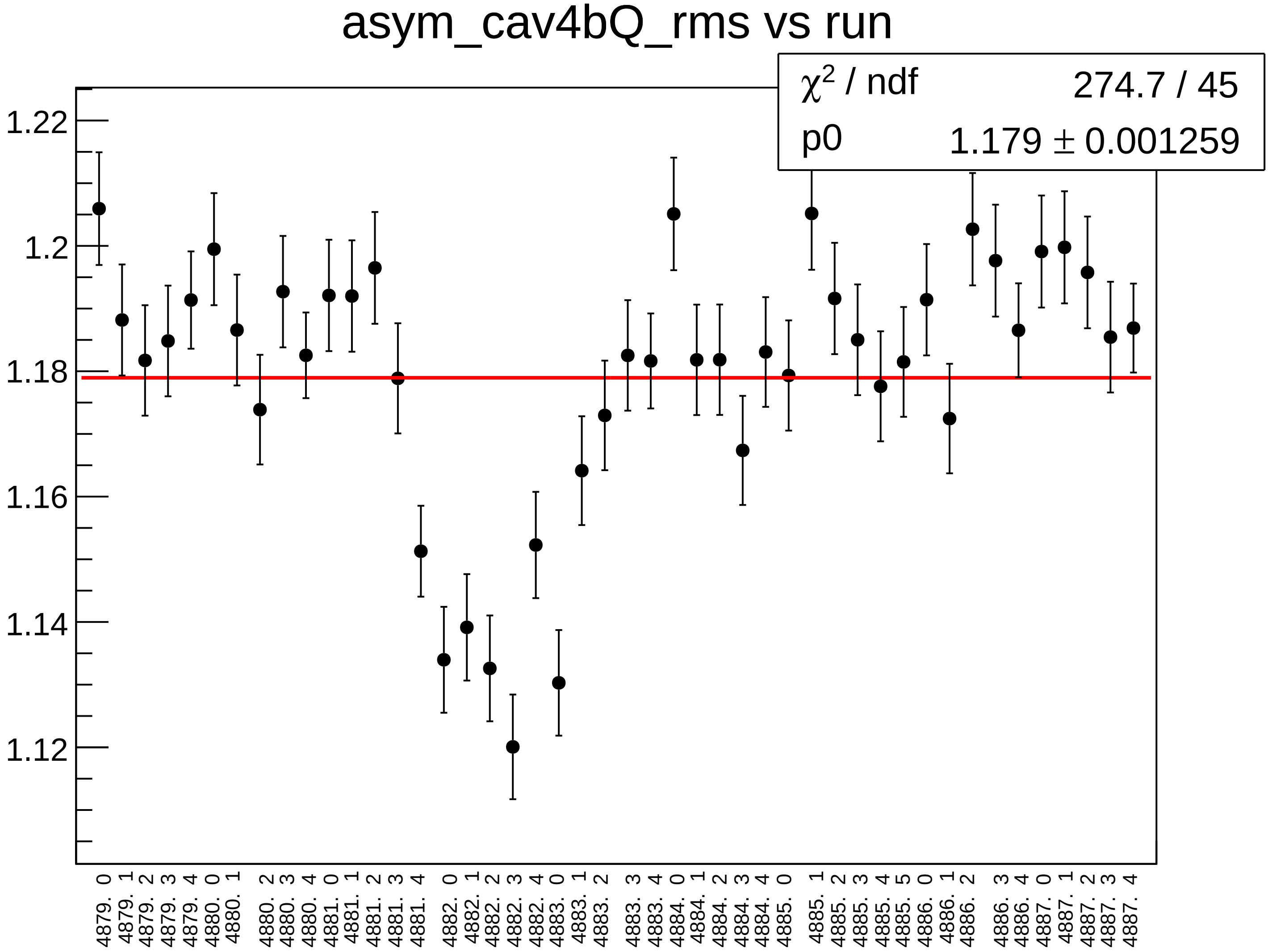


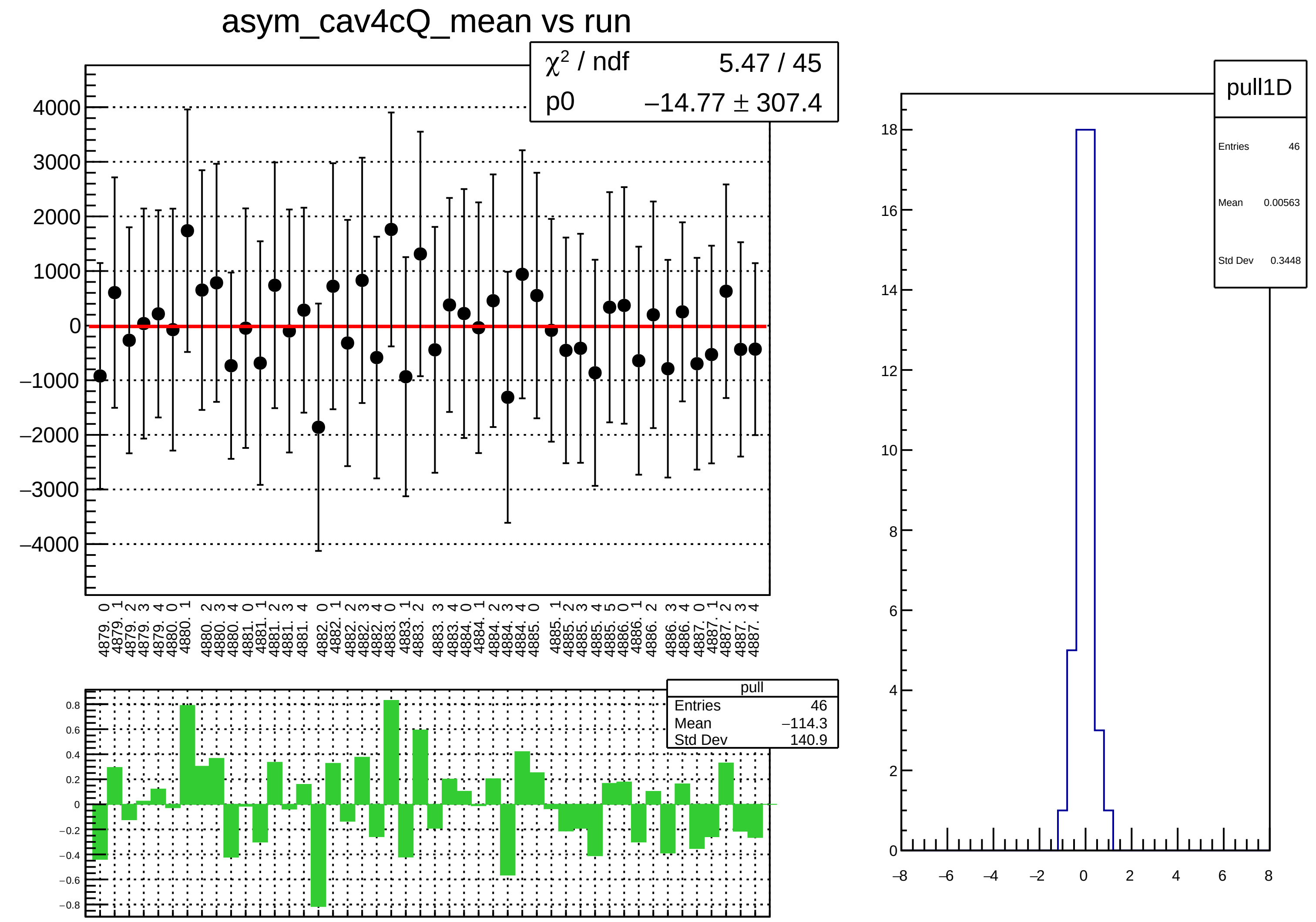


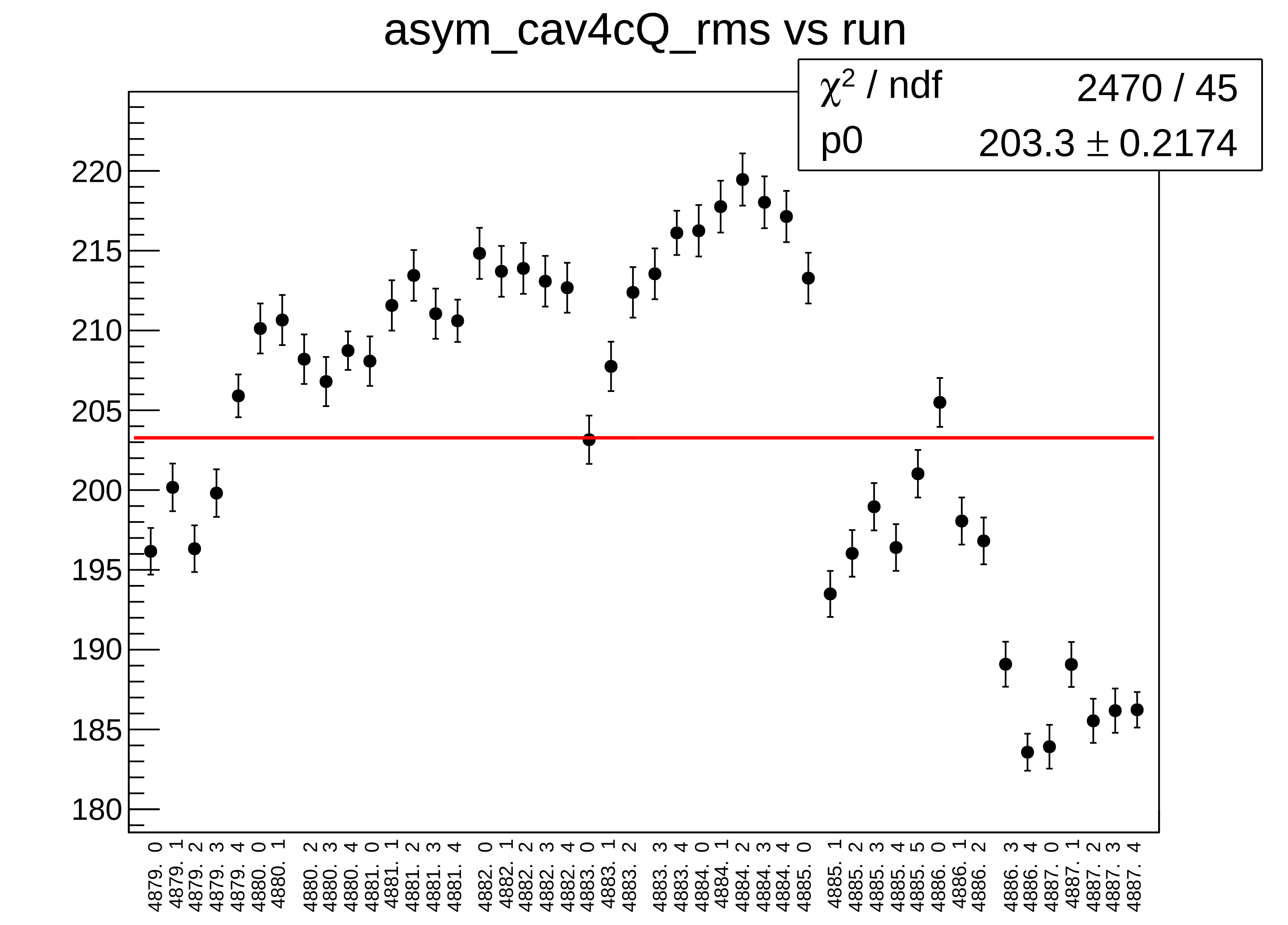
asym_bcm_dg_ds_rms vs run
χ2 / ndf 2367 / 45
p0 196.3 ± 0.2099
215
210
205
200
195
190
185
180
175
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



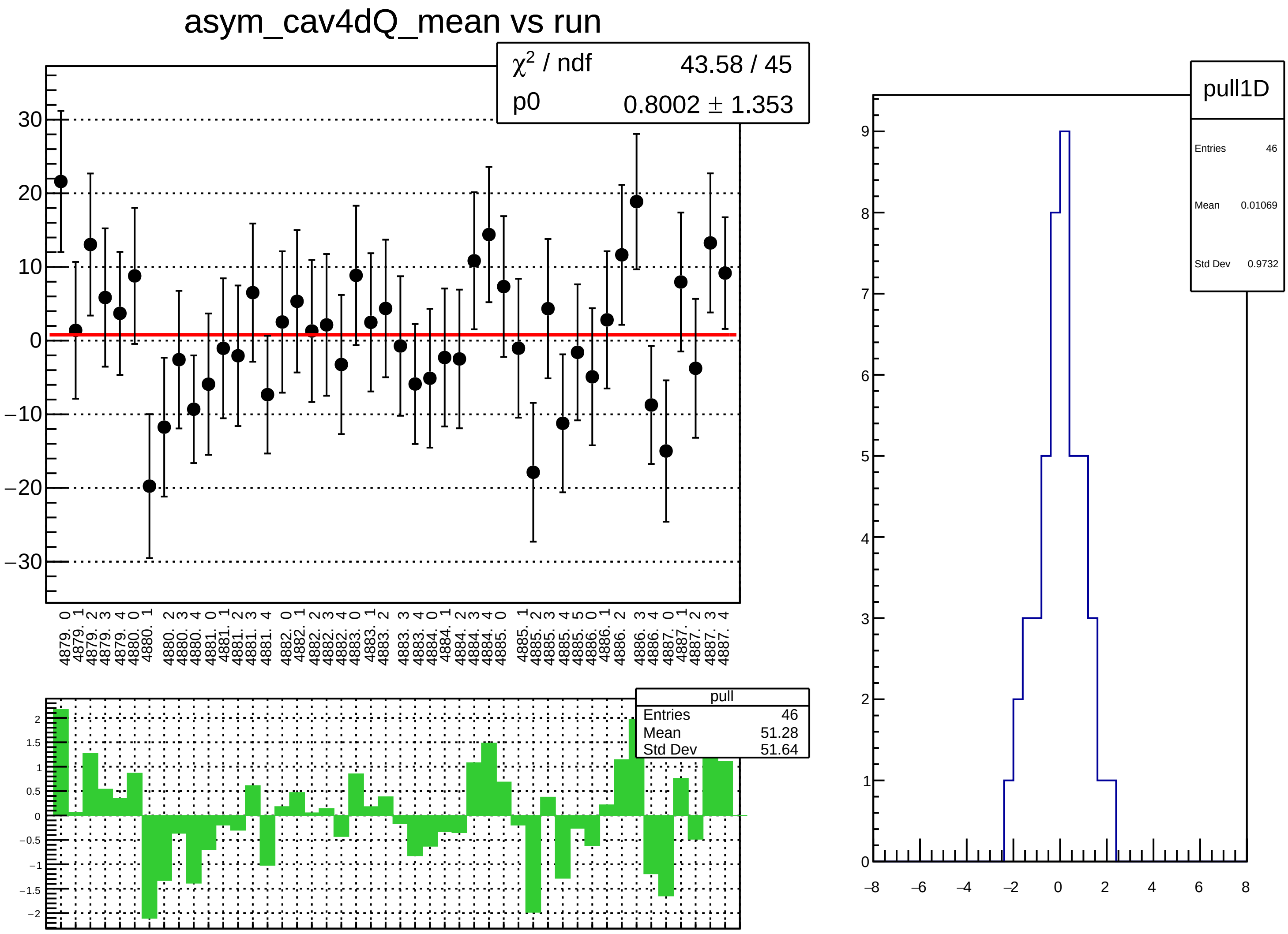
asym_cav4bQ_mean vs run
χ2 / ndf 55.25 / 45
p0 1.731 ± 1.781
pull
Entries 46
Mean 270.7
Std Dev 242.5
pull1D
Entries 46
Mean 0.006559
Std Dev 1.096


asym_cav4bQ_rms vs run
χ^2 / ndf 274.7 / 45
p0 1.179 ± 0.001259
1.22
1.2
1.18
1.16
1.14
1.12
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

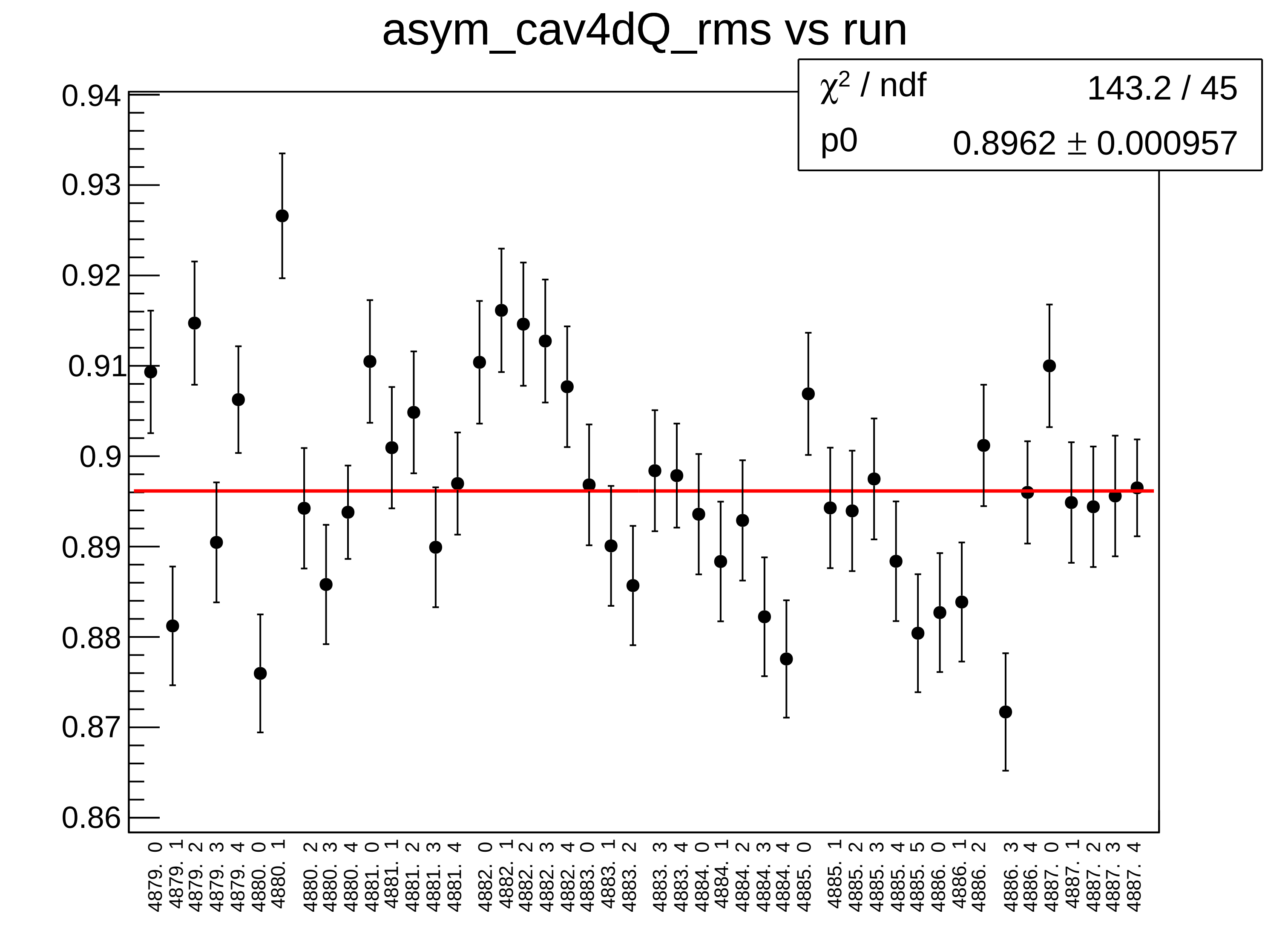

asym_cav4cQ_mean vs run
χ^2 / ndf 5.47 / 45
p0 −14.77 ± 307.4
pull
Entries 46
Mean −114.3
Std Dev 140.9
pull1D
Entries 46
Mean 0.00563
Std Dev 0.3448



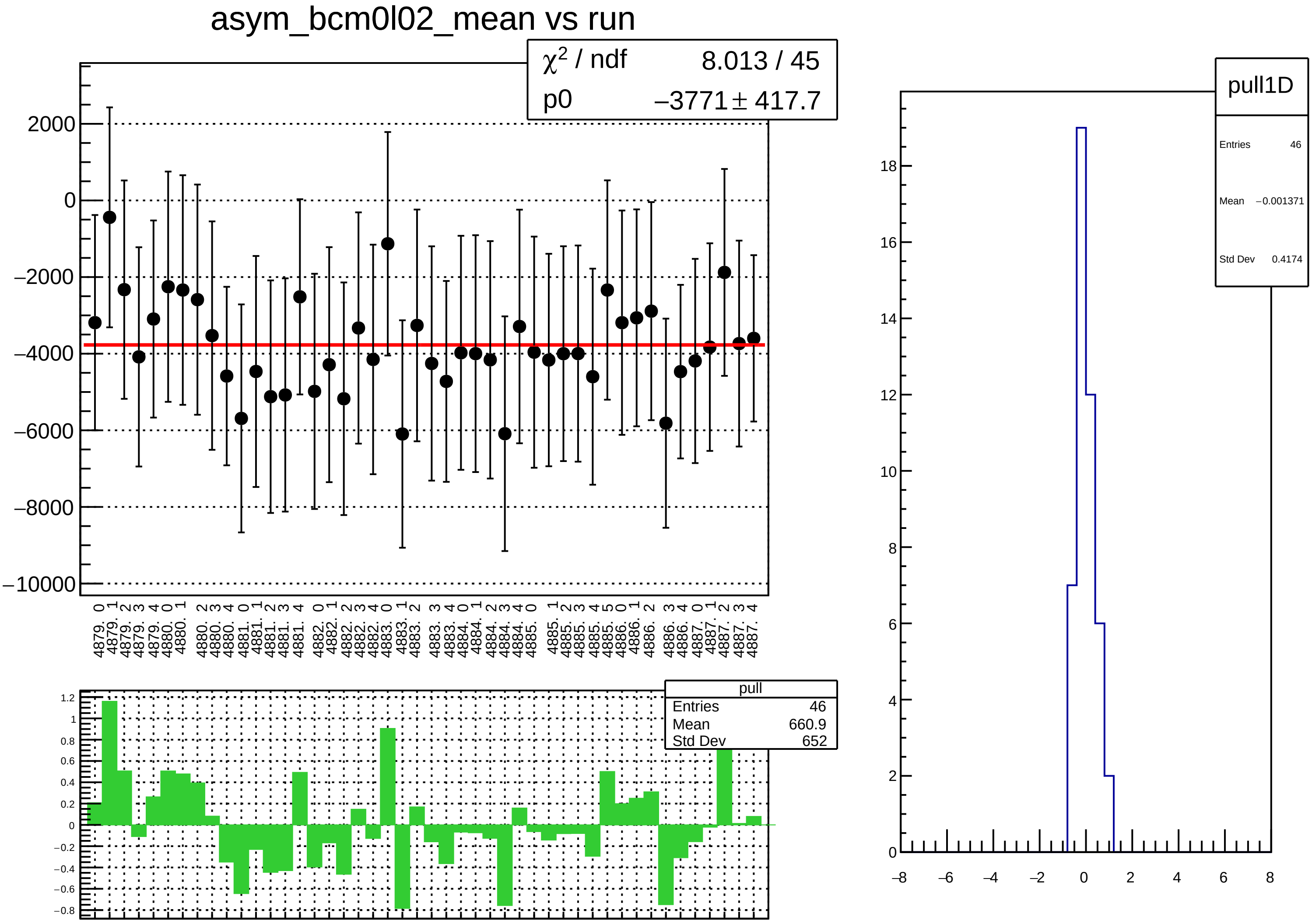
asym_cav4cQ_rms vs run
χ^2 / ndf 2470 / 45
p0 203.3 ± 0.2174
220
215
210
205
200
195
190
185
180
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



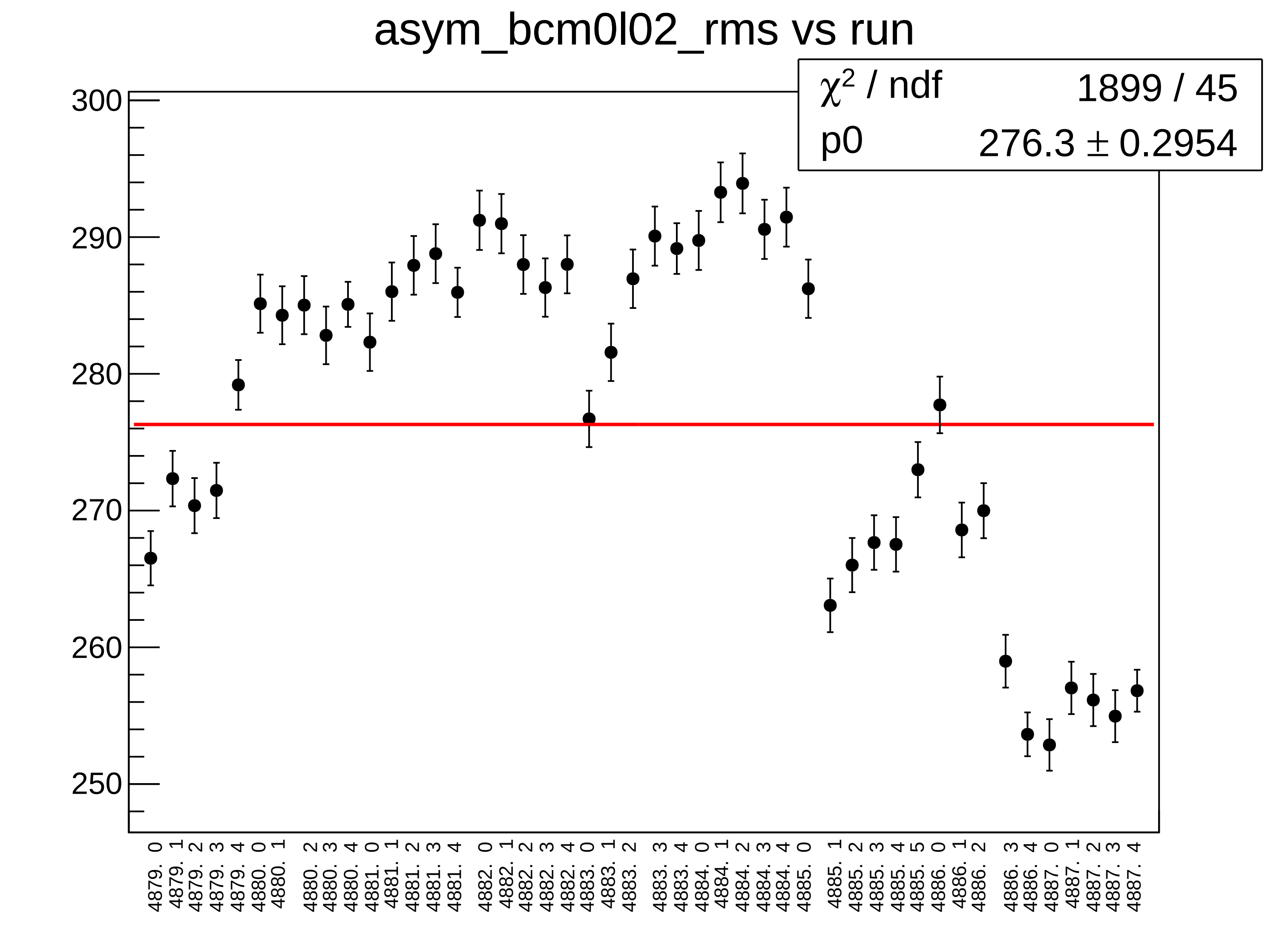
asym_cav4dQ_mean vs run
χ^2 / ndf 43.58 / 45
p0 0.8002 ± 1.353
pull
Entries 46
Mean 51.28
Std Dev 51.64
pull1D
Entries 46
Mean 0.01069
Std Dev 0.9732



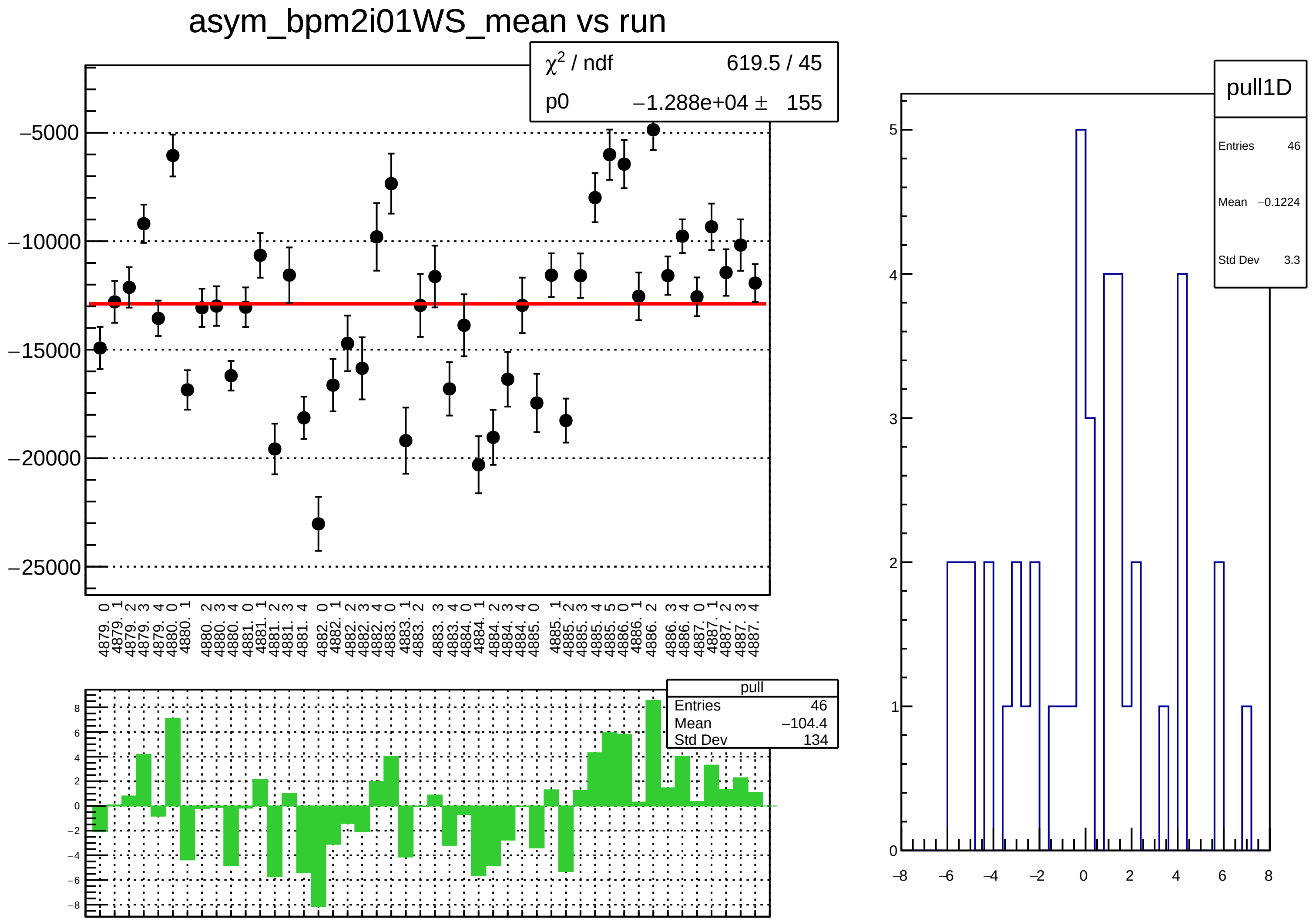
asym_cav4dQ_rms vs run
χ^2 / ndf 143.2 / 45
p0 0.8962 ± 0.000957
0.94
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

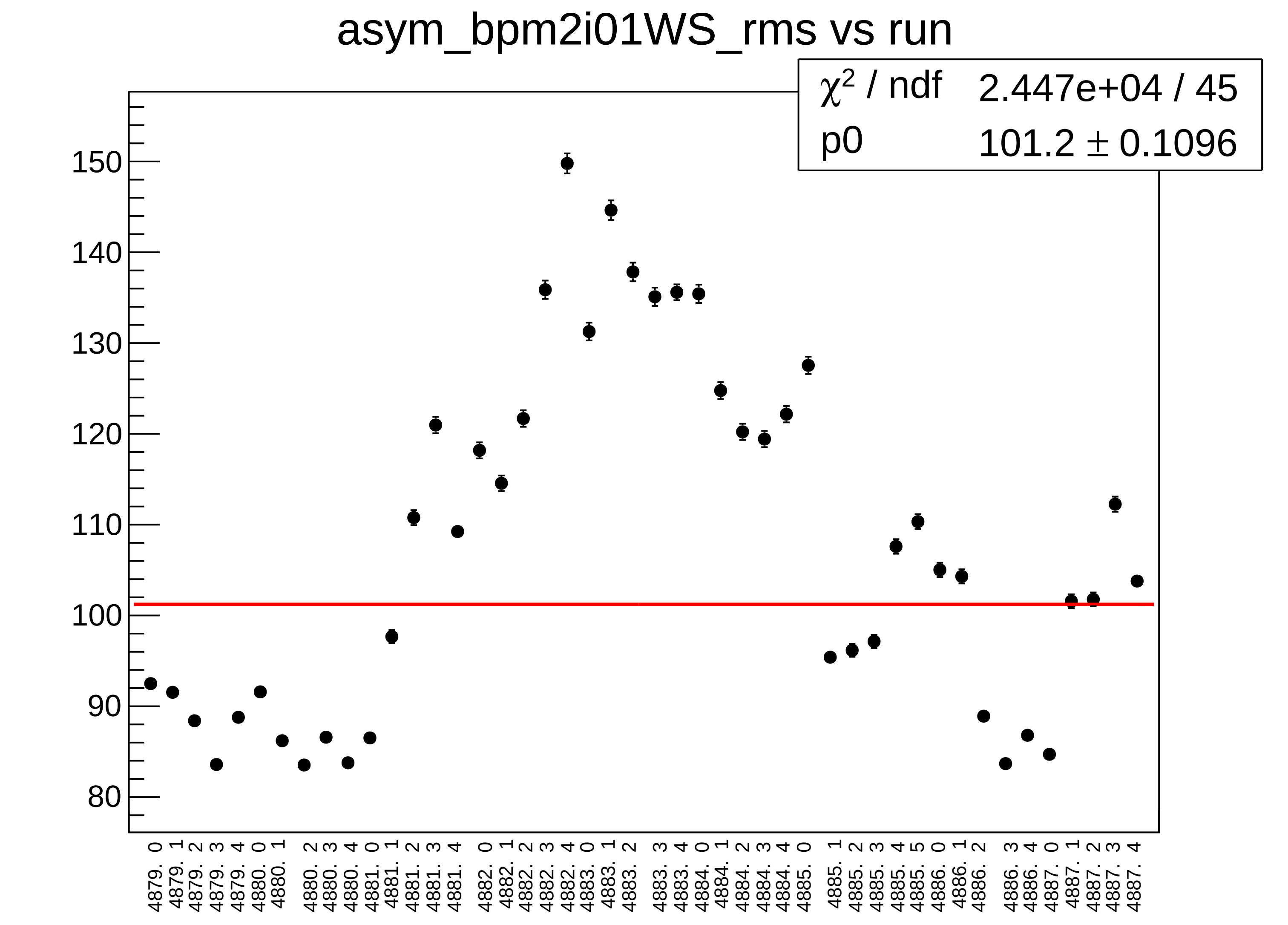


asym_bcm0l02_mean vs run
χ^2 / ndf 8.013 / 45
p0 −3771 ± 417.7
pull
Entries 46
Mean 660.9
Std Dev 652
pull1D
Entries 46
Mean −0.001371
Std Dev 0.4174



asym_bcm0l02_rms vs run
χ^2 / ndf 1899 / 45
p0 276.3 ± 0.2954
300
290
280
270
260
250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_bpm2i01WS_mean vs run
χ^2 / ndf 619.5 / 45
p0 −1.288e+04 ± 155
pull
Entries 46
Mean −104.4
Std Dev 134
pull1D
Entries 46
Mean −0.1224
Std Dev 3.3



asym_bpm2i01WS_rms vs run
χ^2 / ndf 2.447e+04 / 45
p0 101.2 ± 0.1096
150
140
130
120
110
100
90
80
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4887. 3
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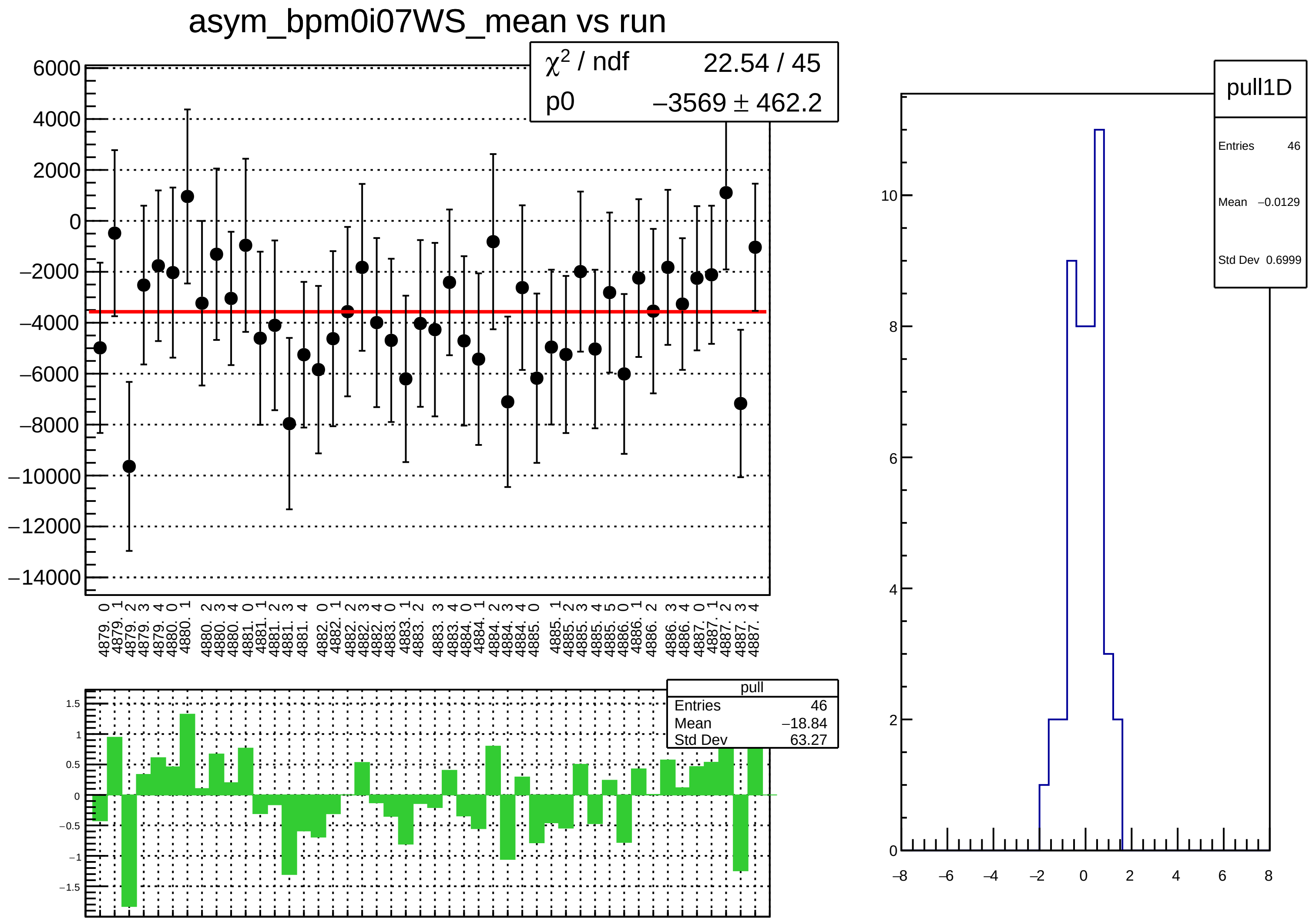
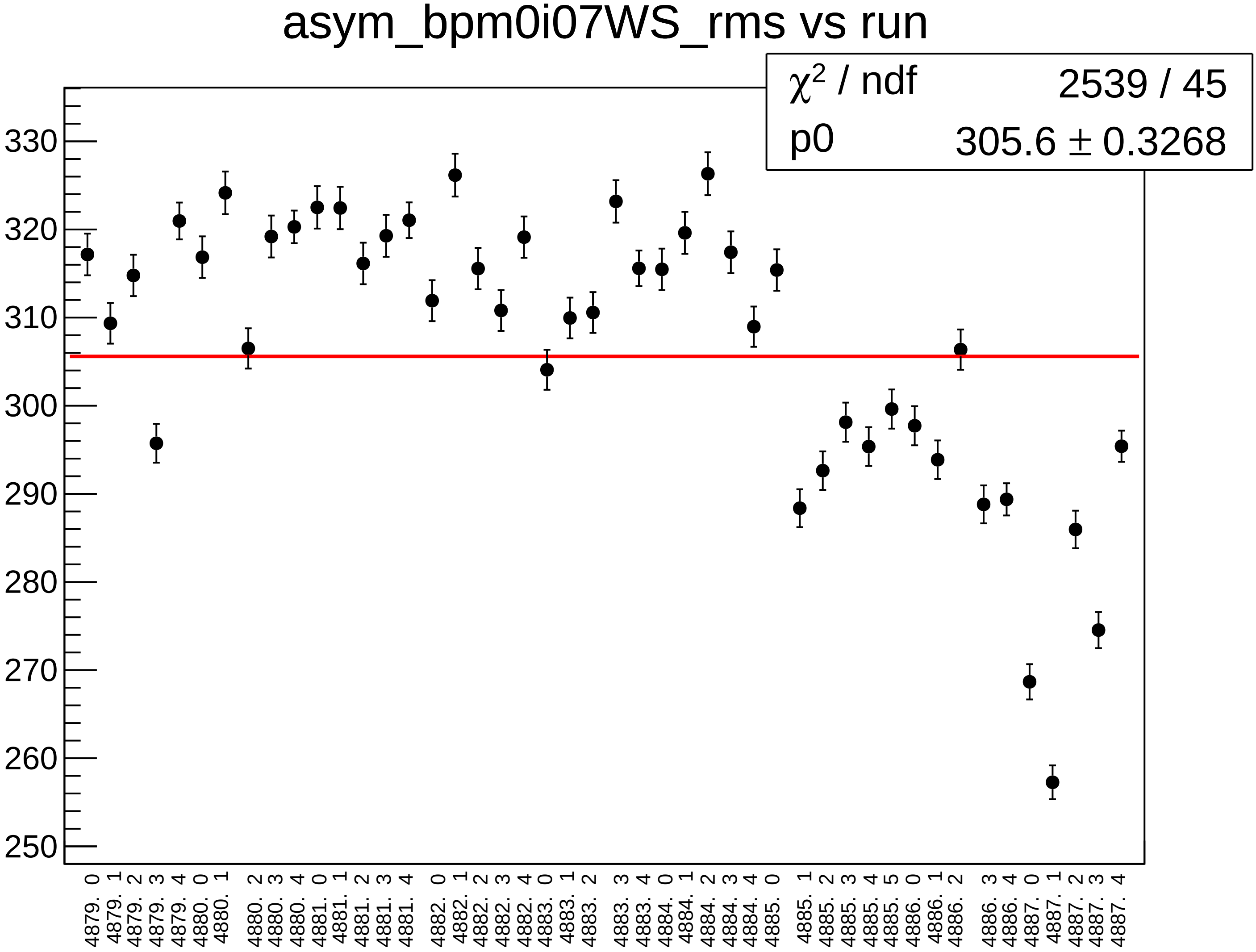


asym_bpm0i07WS_mean vs run
χ^2 / ndf 22.54 / 45
p0 −3569 ± 462.2
pull
Entries 46
Mean −18.84
Std Dev 63.27
pull1D
Entries 46
Mean −0.0129
Std Dev 0.6999


asym_bpm0i07WS_rms vs run
χ2 / ndf 2539 / 45
p0 305.6 ± 0.3268
330
320
310
300
290
280
270
260
250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4883. 0
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4884. 2
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4884. 4
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4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
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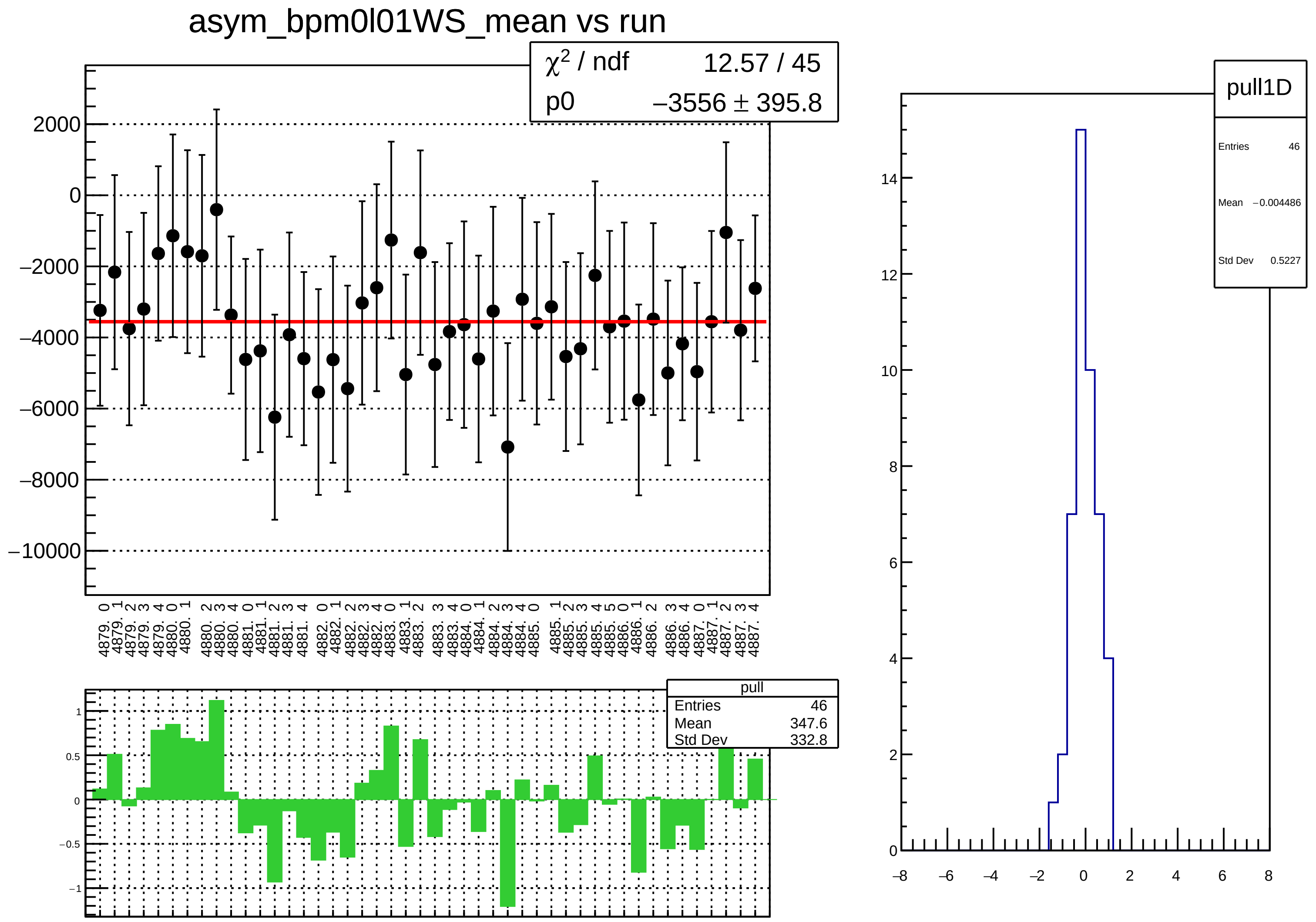
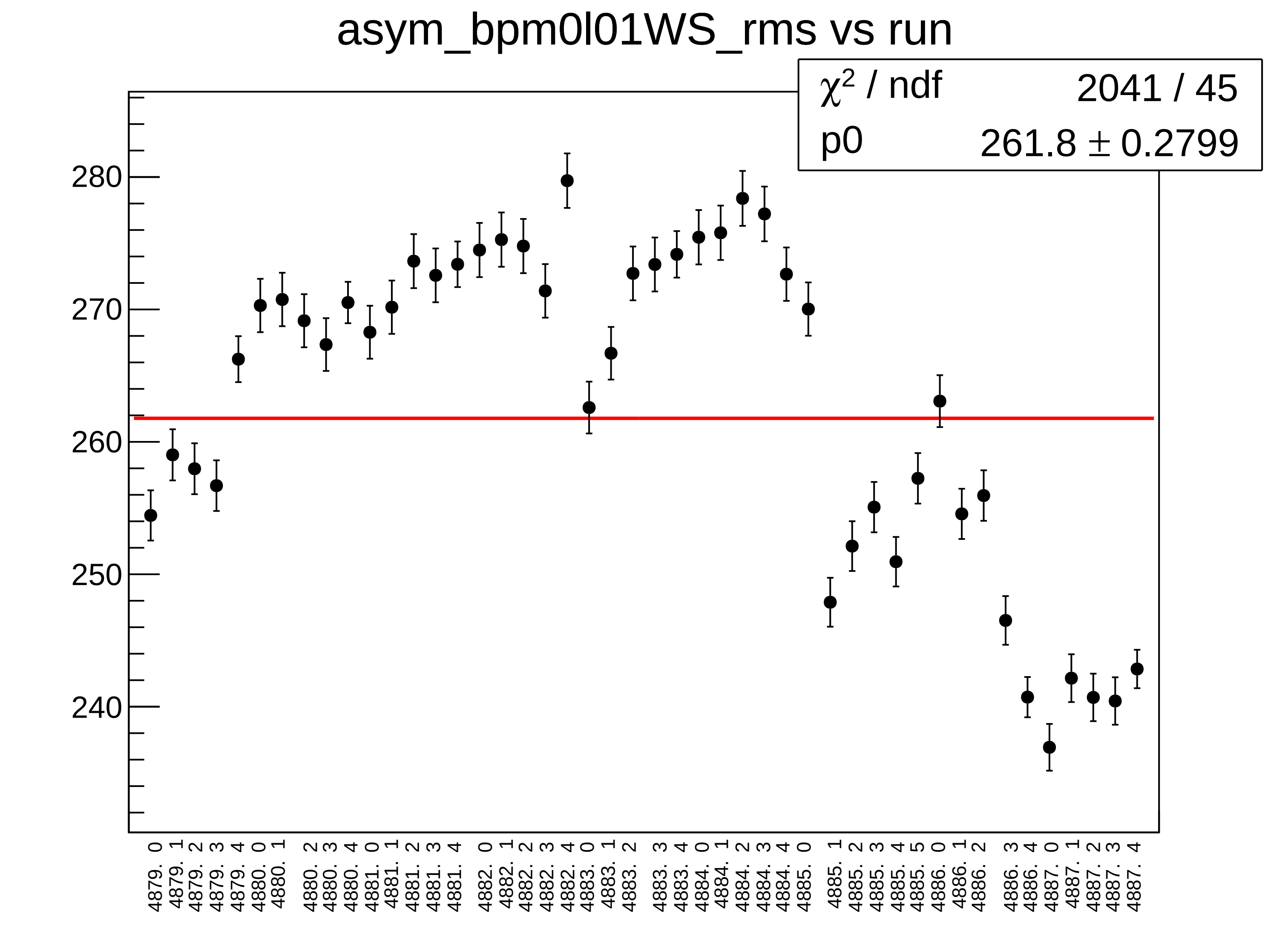
4887. 3
4887. 4



asym_bpm0l01WS_mean vs run
χ^2 / ndf 12.57 / 45
p0 −3556 ± 395.8
pull
Entries 46
Mean 347.6
Std Dev 332.8
pull1D
Entries 46
Mean −0.004486
Std Dev 0.5227



asym_bpm0l01WS_rms vs run
χ^2 / ndf 2041 / 45
p0 261.8 ± 0.2799
280
270
260
250
240
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4881. 4
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
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4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
4887. 0
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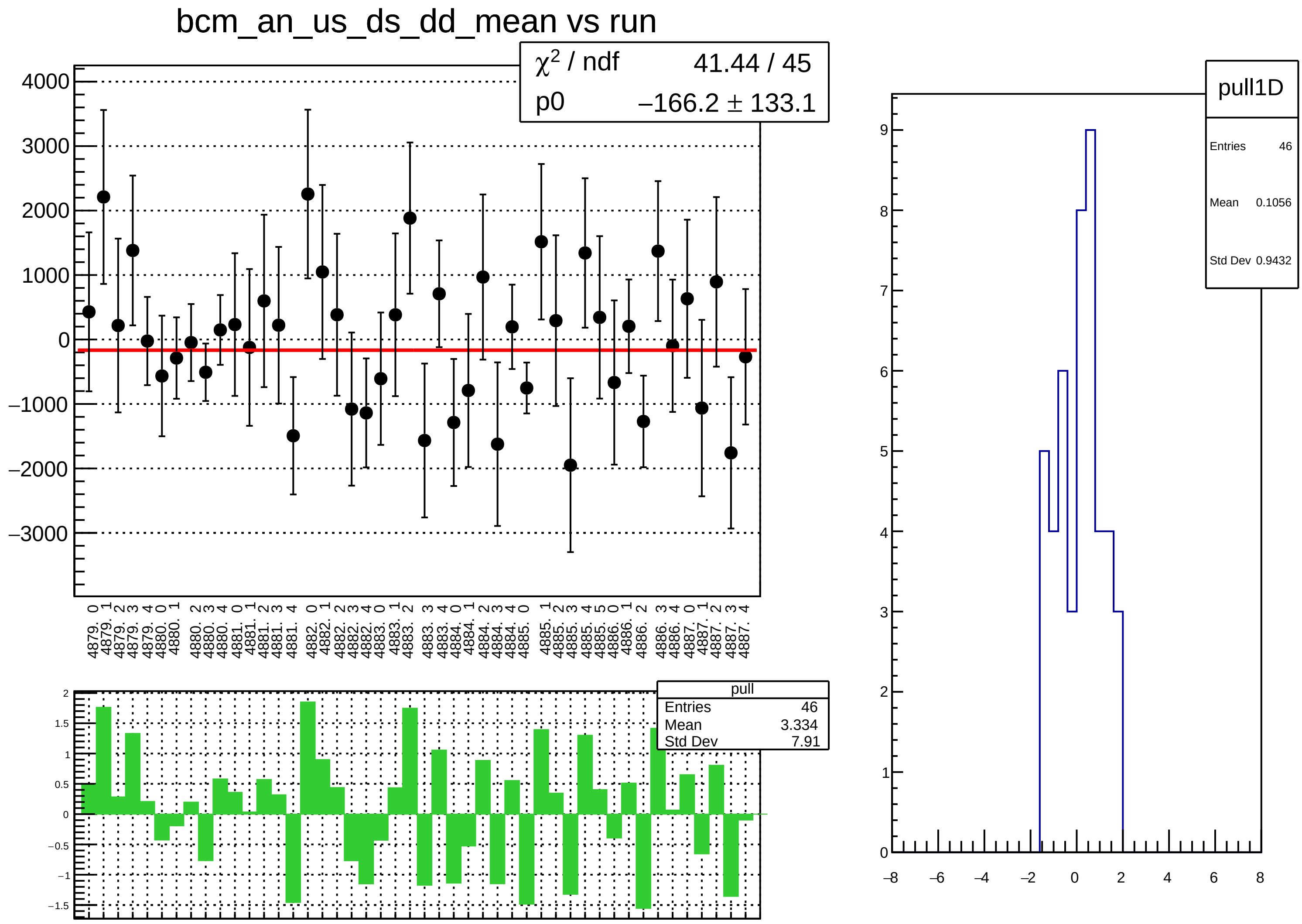
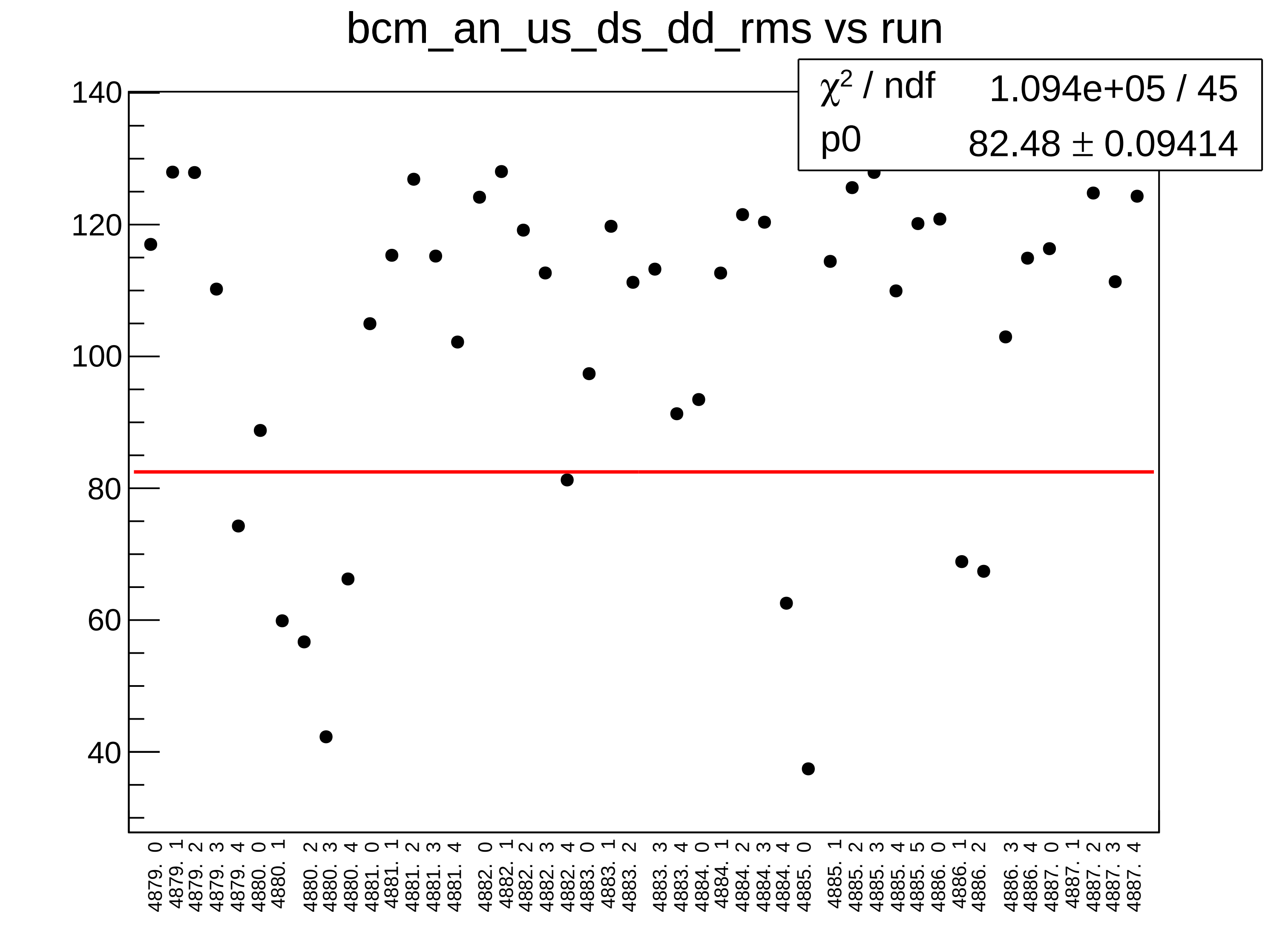
4887. 2
4887. 3
4887. 4



bcm_an_us_ds_dd_mean vs run
χ2 / ndf 41.44 / 45
p0 −166.2 ± 133.1
pull
Entries 46
Mean 3.334
Std Dev 7.91
pull1D
Entries 46
Mean 0.1056
Std Dev 0.9432



bcm_an_us_ds_dd_rms vs run
χ2 / ndf 1.094e+05 / 45
p0 82.48 ± 0.09414
140
120
100
80
60
40
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
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4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
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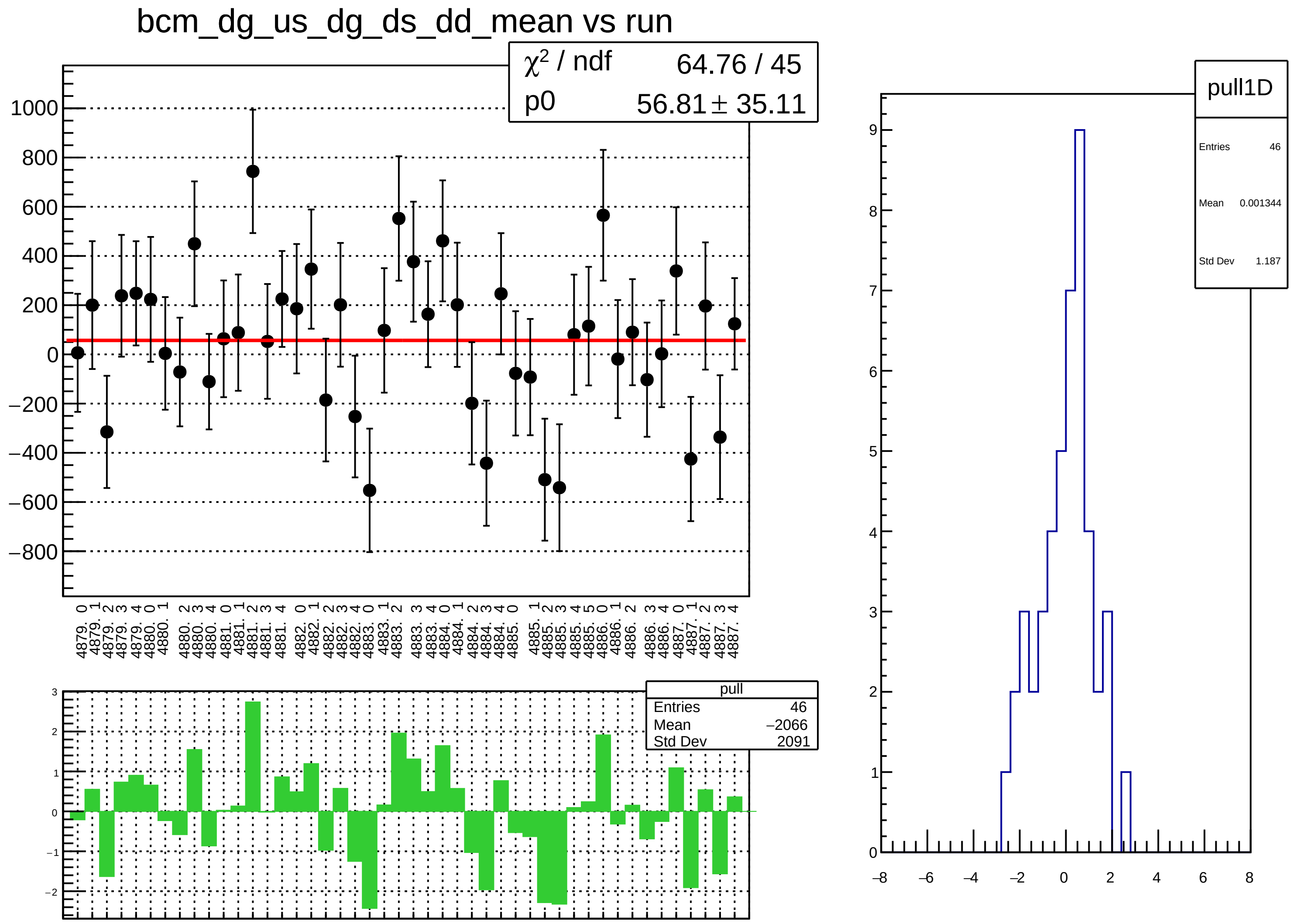
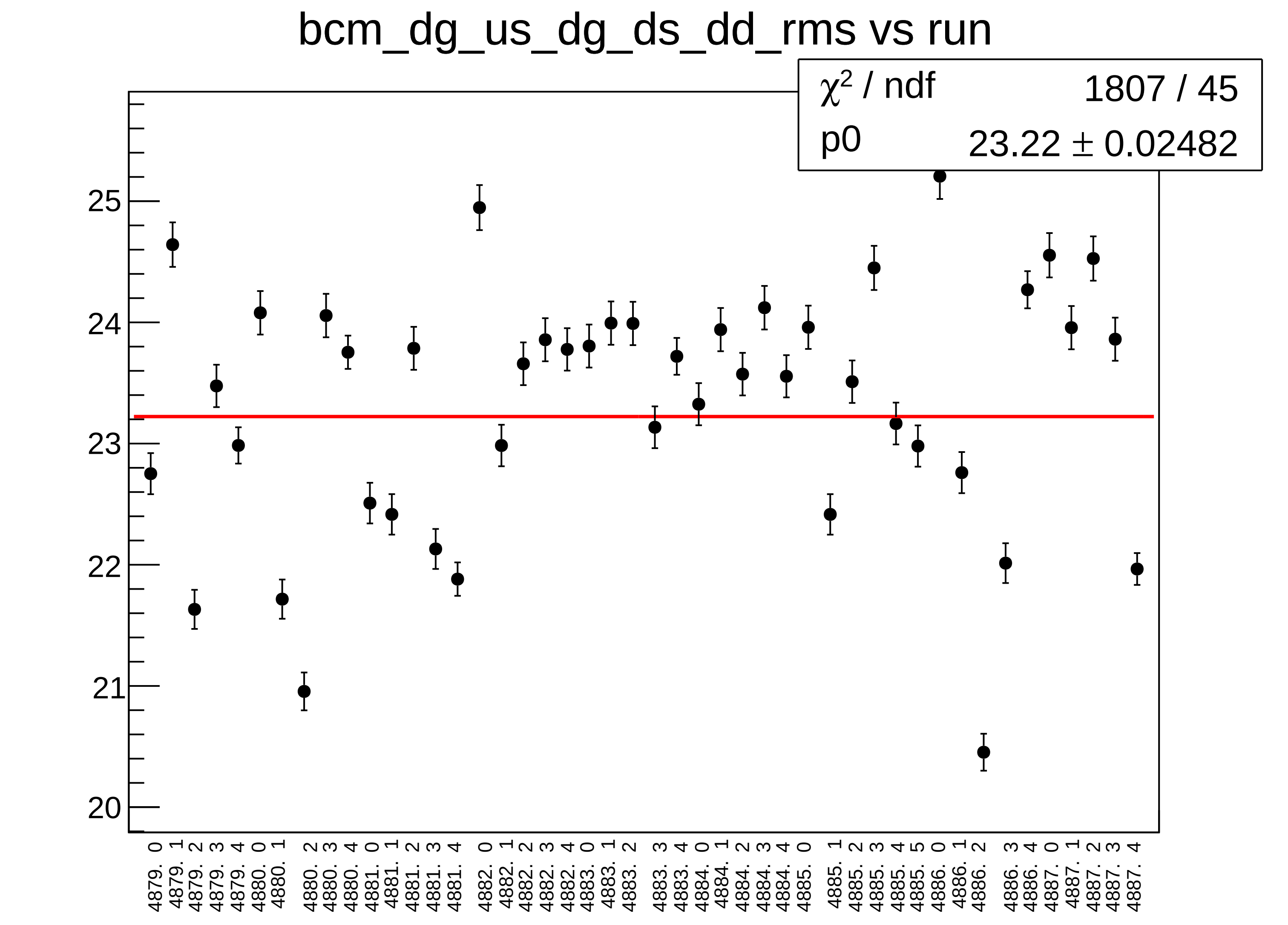
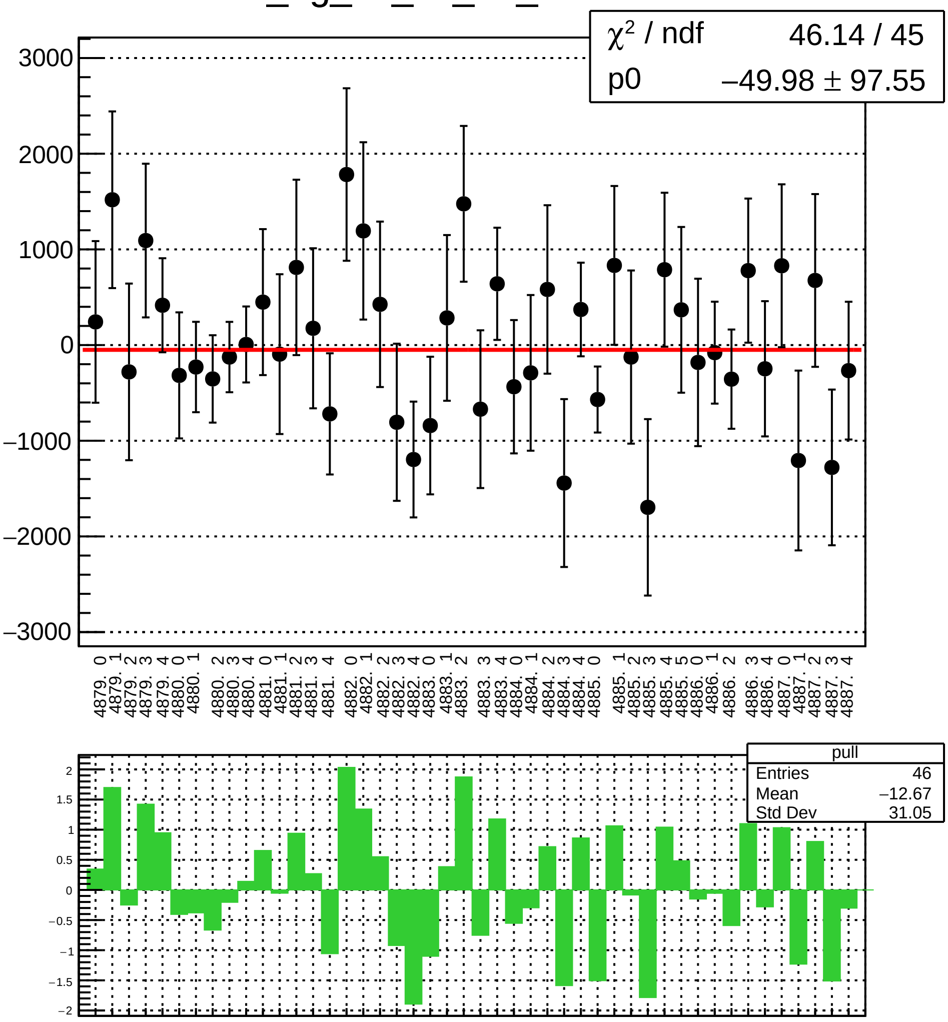
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

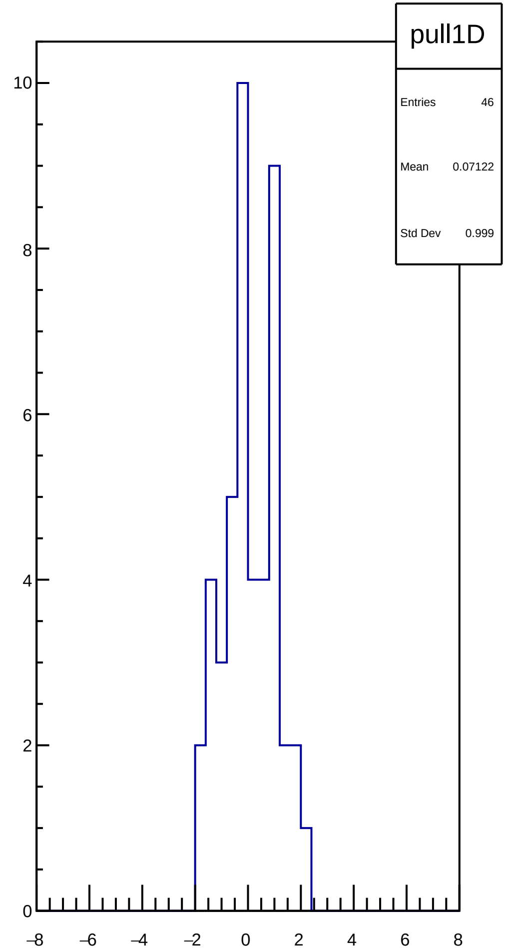

bcm_dg_us_dg_ds_dd_mean vs run
χ^2 / ndf 64.76 / 45
p0 56.81 ± 35.11
pull
Entries 46
Mean −2066
Std Dev 2091
pull1D
Entries 46
Mean 0.001344
Std Dev 1.187

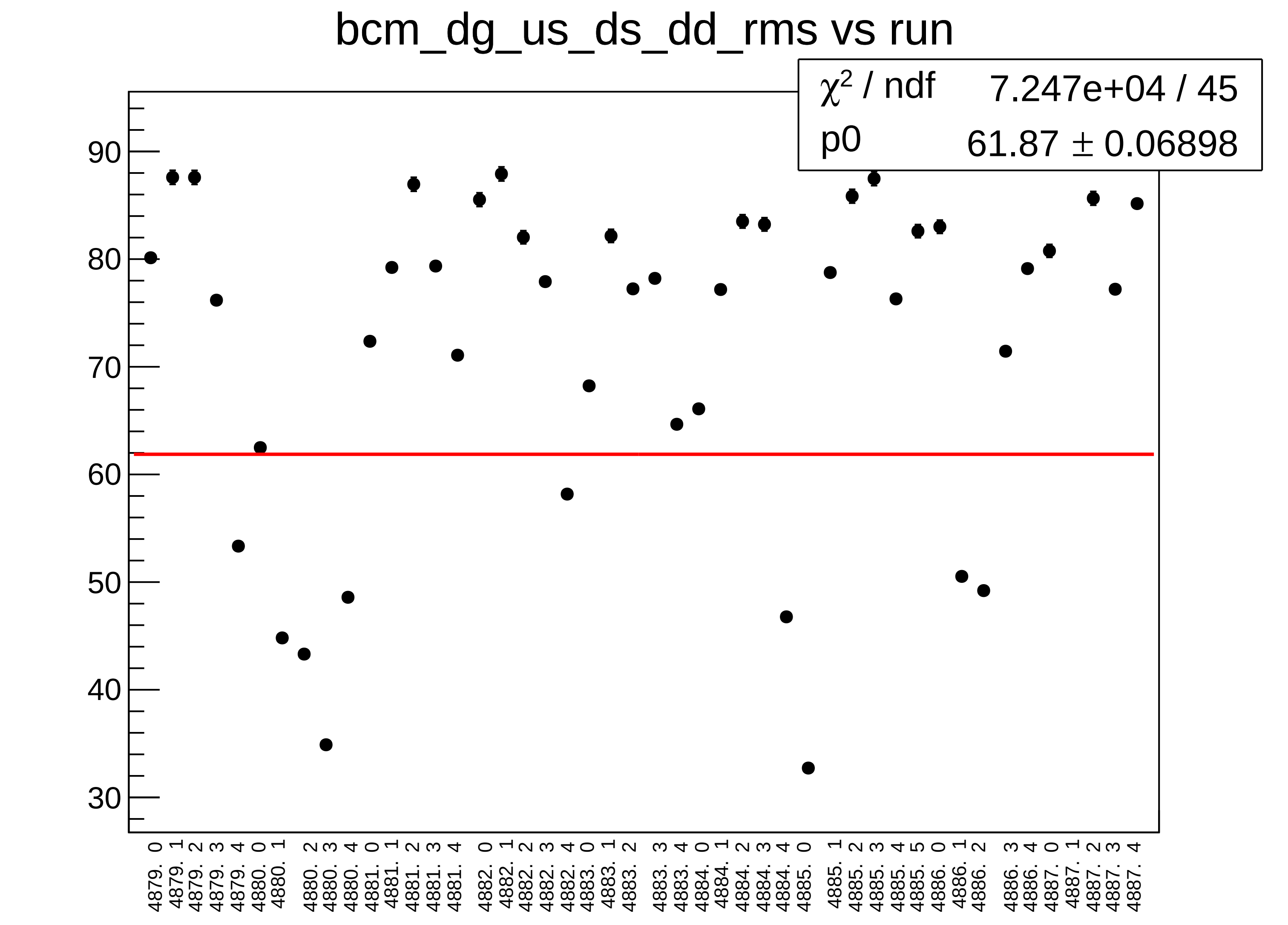


bcm_dg_us_dg_ds_dd_rms vs run
χ^2 / ndf 1807 / 45
p0 23.22 ± 0.02482
25
24
23
22
21
20

bcm_dg_us_ds_dd_mean vs run







bcm_dg_us_ds_dd_rms vs run
χ2 / ndf 7.247e+04 / 45
p0 61.87 ± 0.06898
90
80
70
60
50
40
30
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4883. 3
4883. 4
4884. 0
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4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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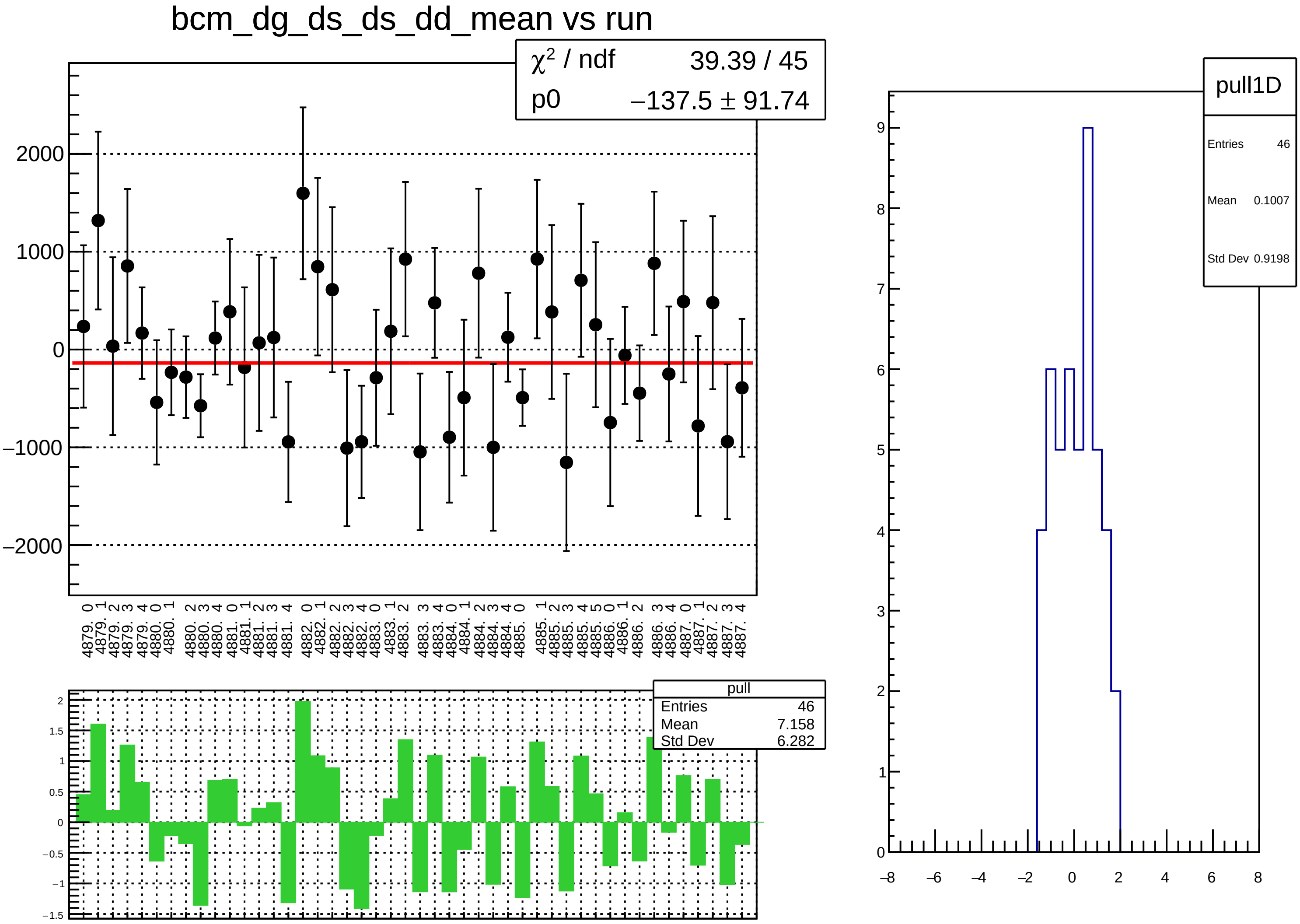
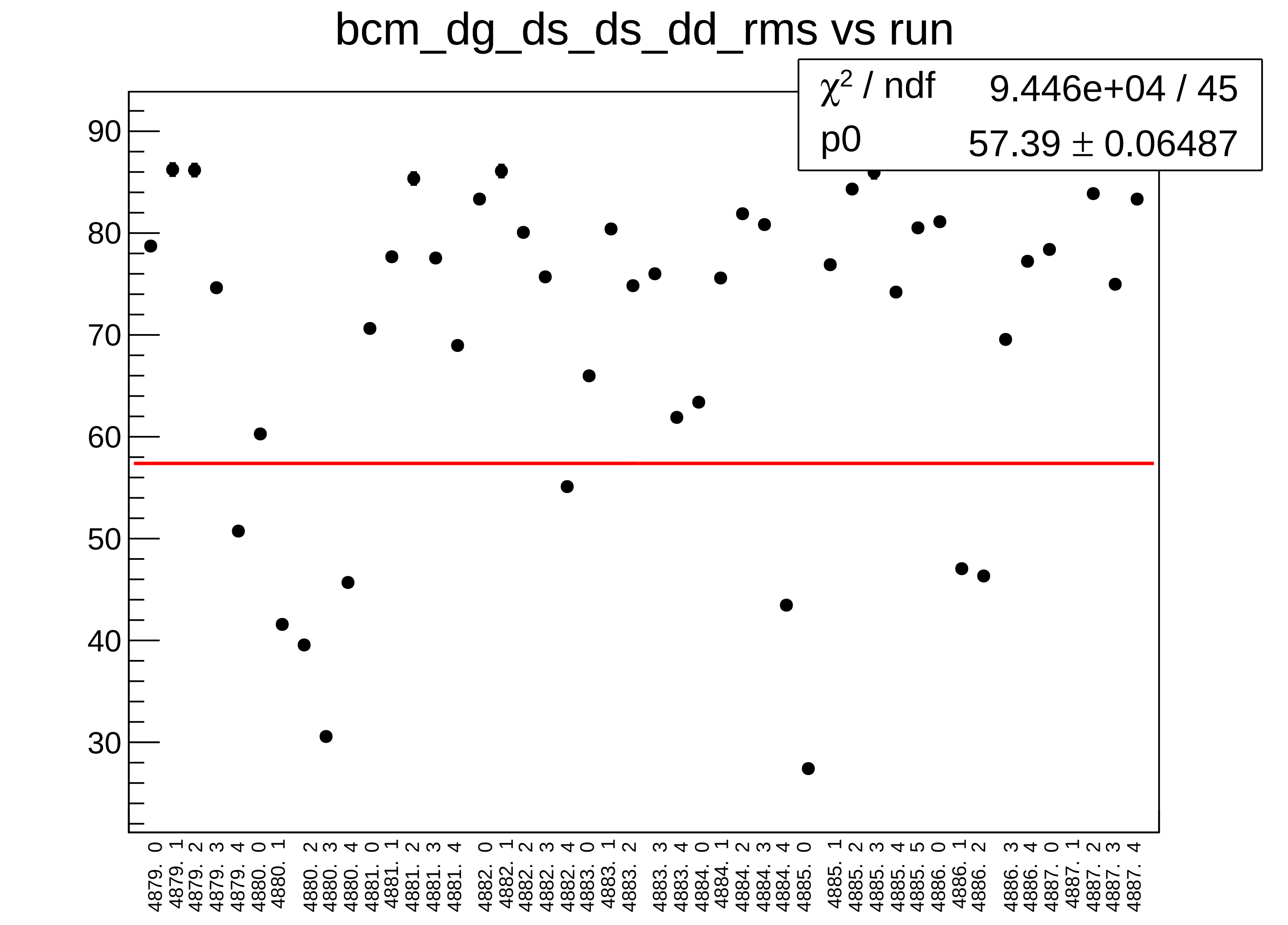
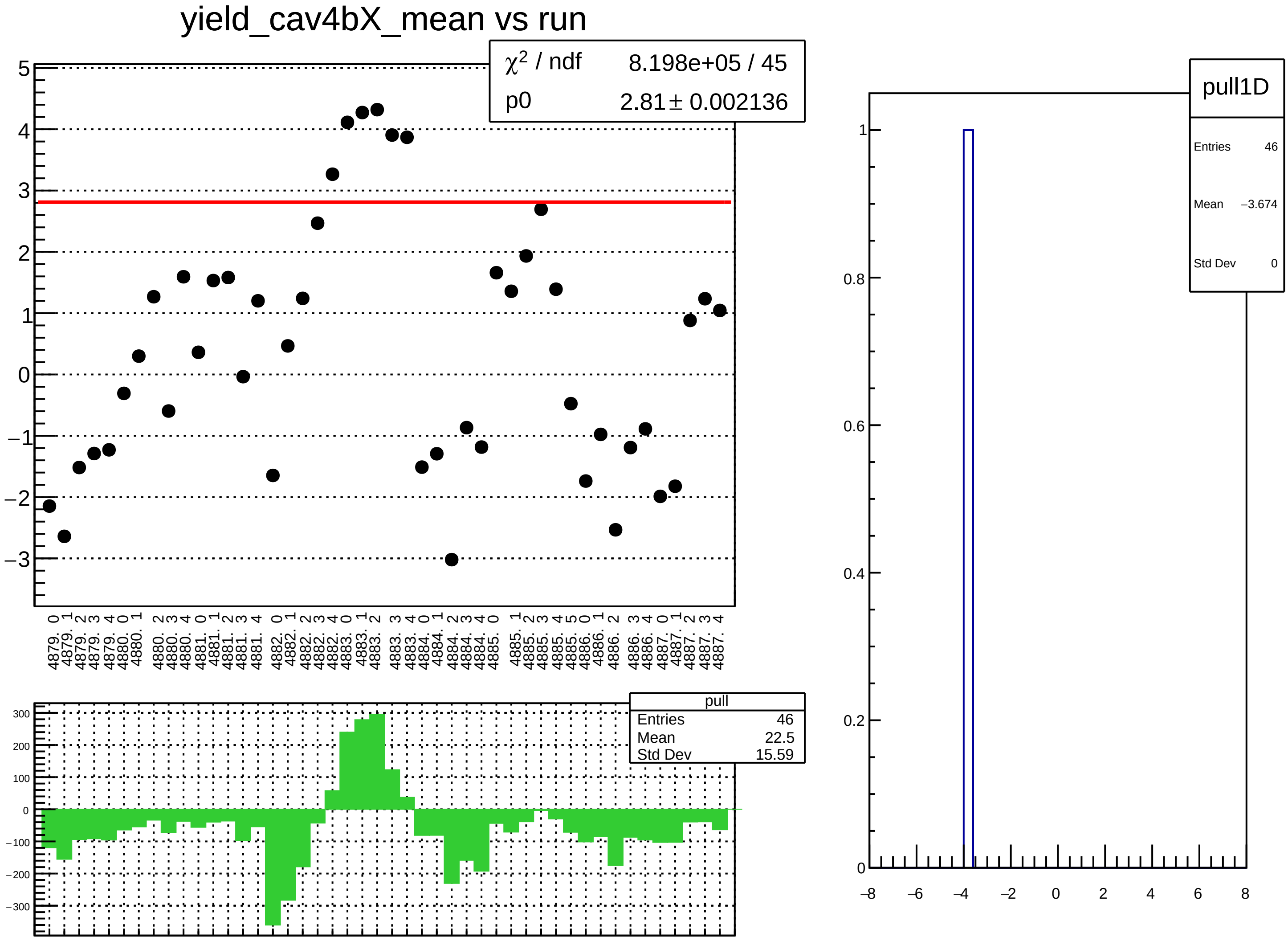
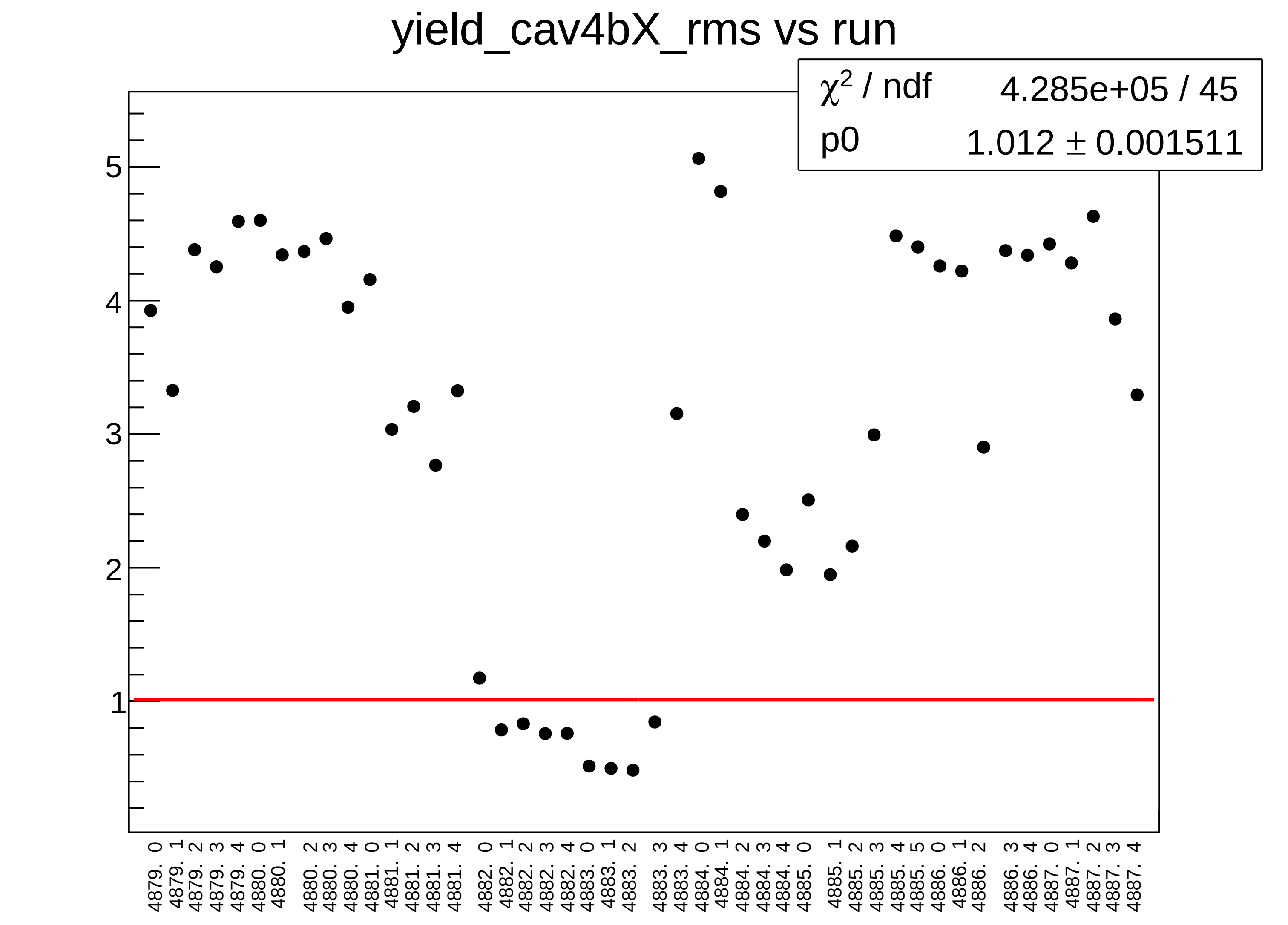
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


bcm_dg_ds_ds_dd_mean vs run
χ^2 / ndf 39.39 / 45
p0 −137.5 ± 91.74
pull
Entries 46
Mean 7.158
Std Dev 6.282
pull1D
Entries 46
Mean 0.1007
Std Dev 0.9198



bcm_dg_ds_ds_dd_rms vs run
χ^2 / ndf 9.446e+04 / 45
p0 57.39 ± 0.06487
90
80
70
60
50
40
30
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4


yield_cav4bX_mean vs run
χ^2 / ndf 8.198e+05 / 45
p0 2.81 ± 0.002136
pull
Entries 46
Mean 22.5
Std Dev 15.59
pull1D
Entries 46
Mean −3.674
Std Dev 0


yield_cav4bX_rms vs run
χ^2 / ndf 4.285e+05 / 45
p0 1.012 ± 0.001511
5
4
3
2
1
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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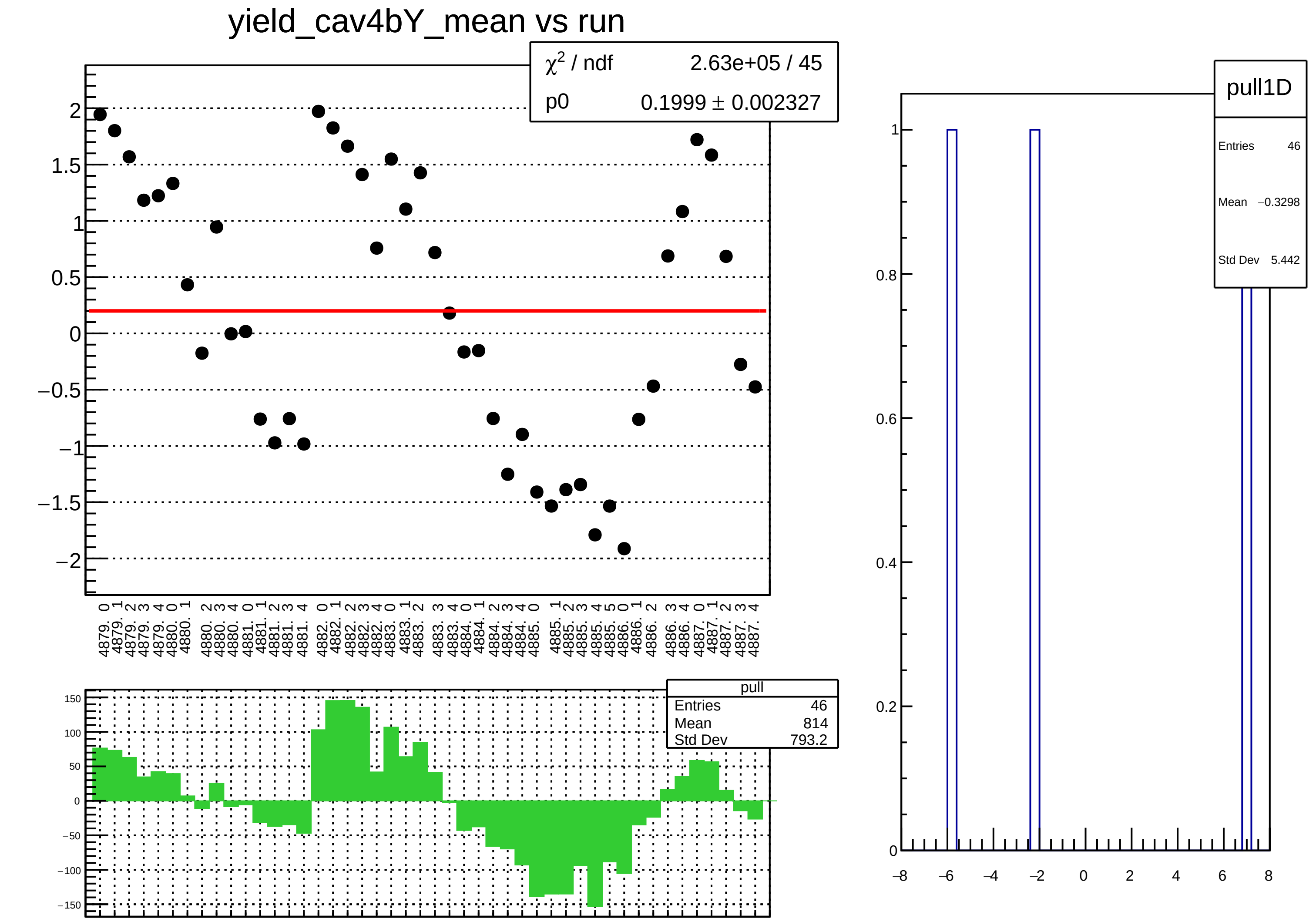
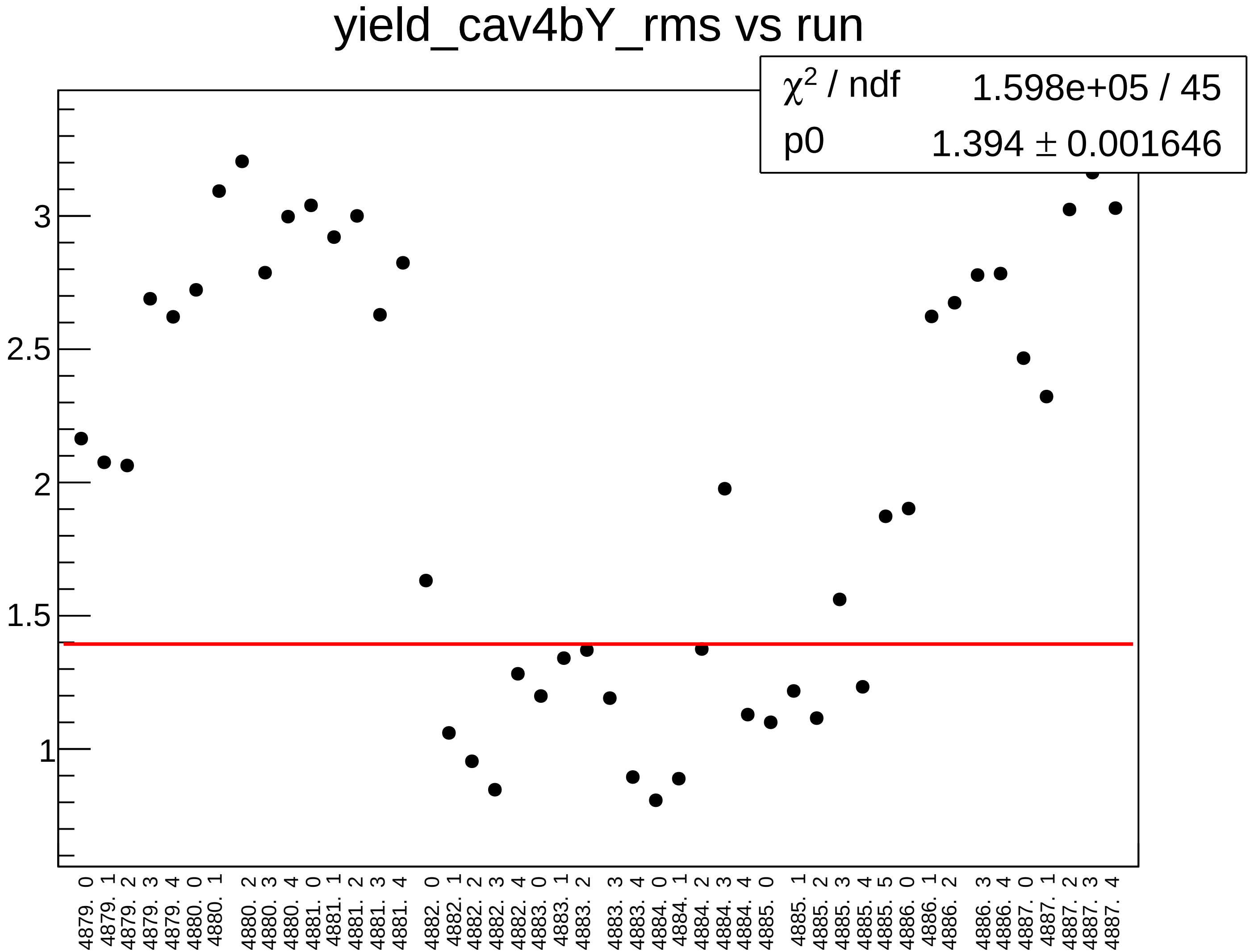
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_cav4bY_mean vs run
χ^2 / ndf 2.63e+05 / 45
p0 0.1999 ± 0.002327
pull
Entries 46
Mean 814
Std Dev 793.2
pull1D
Entries 46
Mean −0.3298
Std Dev 5.442


yield_cav4bY_rms vs run
χ^2 / ndf 1.598e+05 / 45
p0 1.394 ± 0.001646
3
2.5
2
1.5
1
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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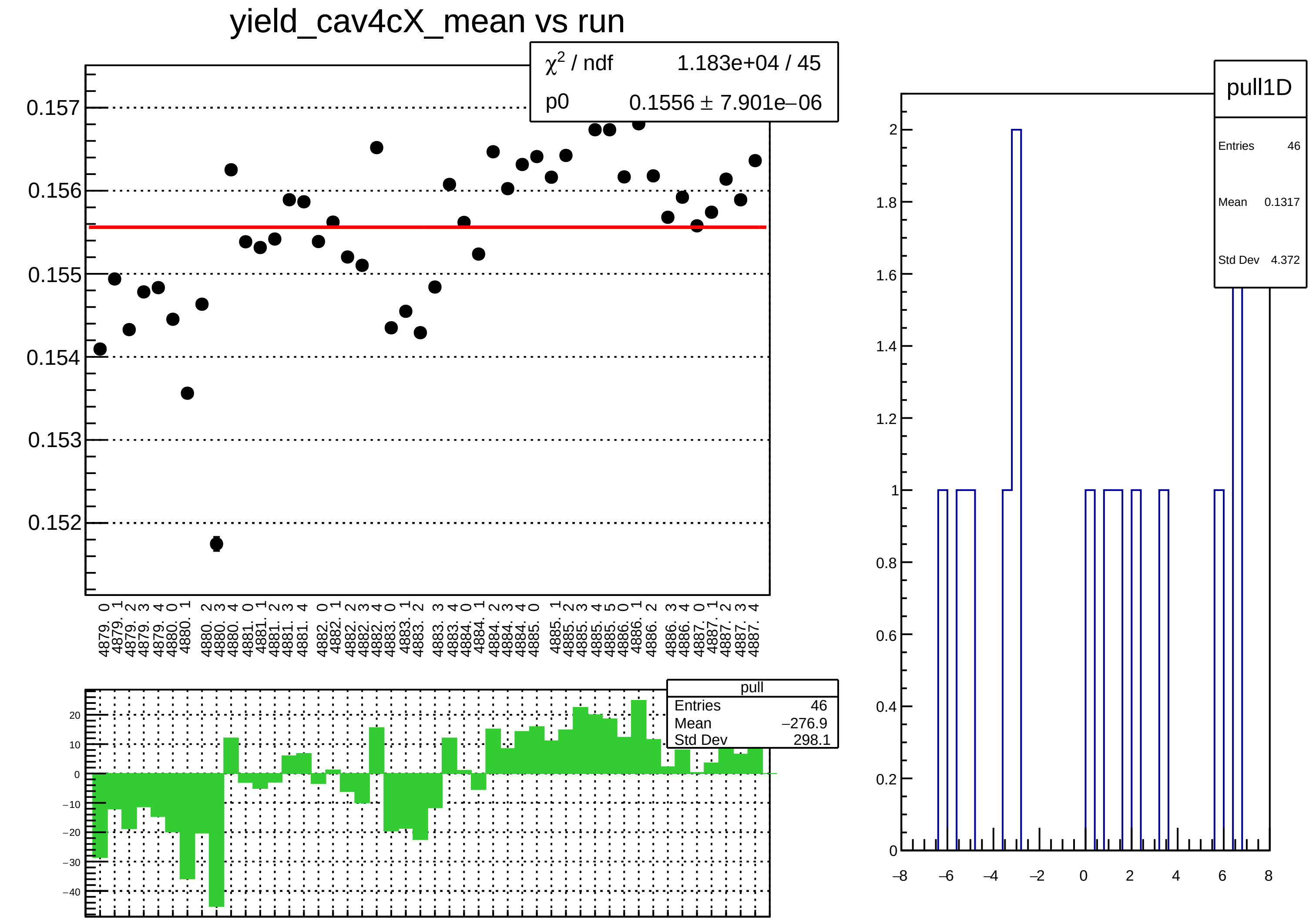
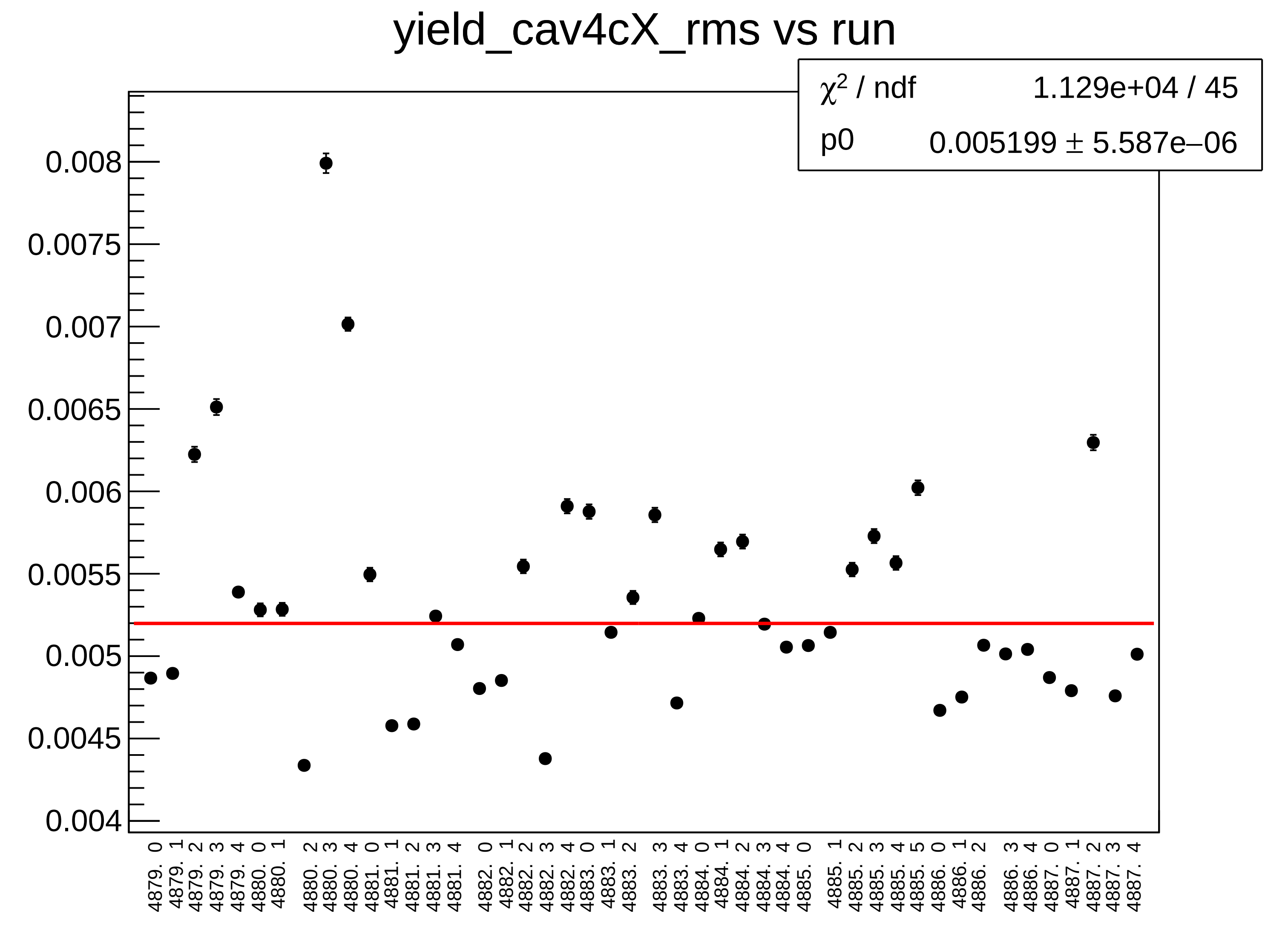
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_cav4cX_mean vs run
χ2 / ndf 1.183e+04 / 45
p0 0.1556 ± 7.901e−06
pull
Entries 46
Mean −276.9
Std Dev 298.1
pull1D
Entries 46
Mean 0.1317
Std Dev 4.372


yield_cav4cX_rms vs run
χ^2 / ndf 1.129e+04 / 45
p0 0.005199 ± 5.587e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
0.004
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4881. 2
4881. 3
4881. 4
4882. 0
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4885. 3
4885. 4
4885. 5
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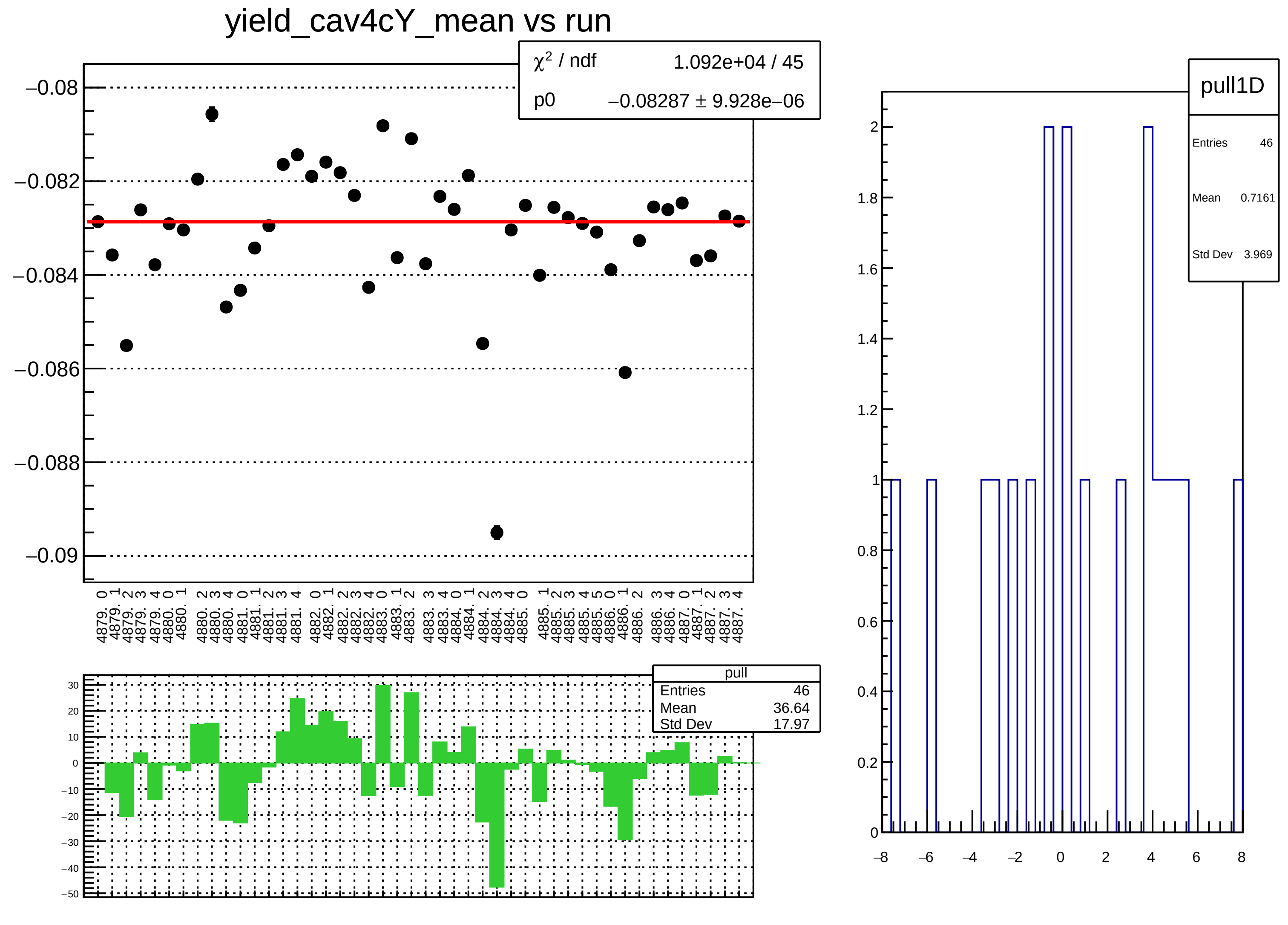
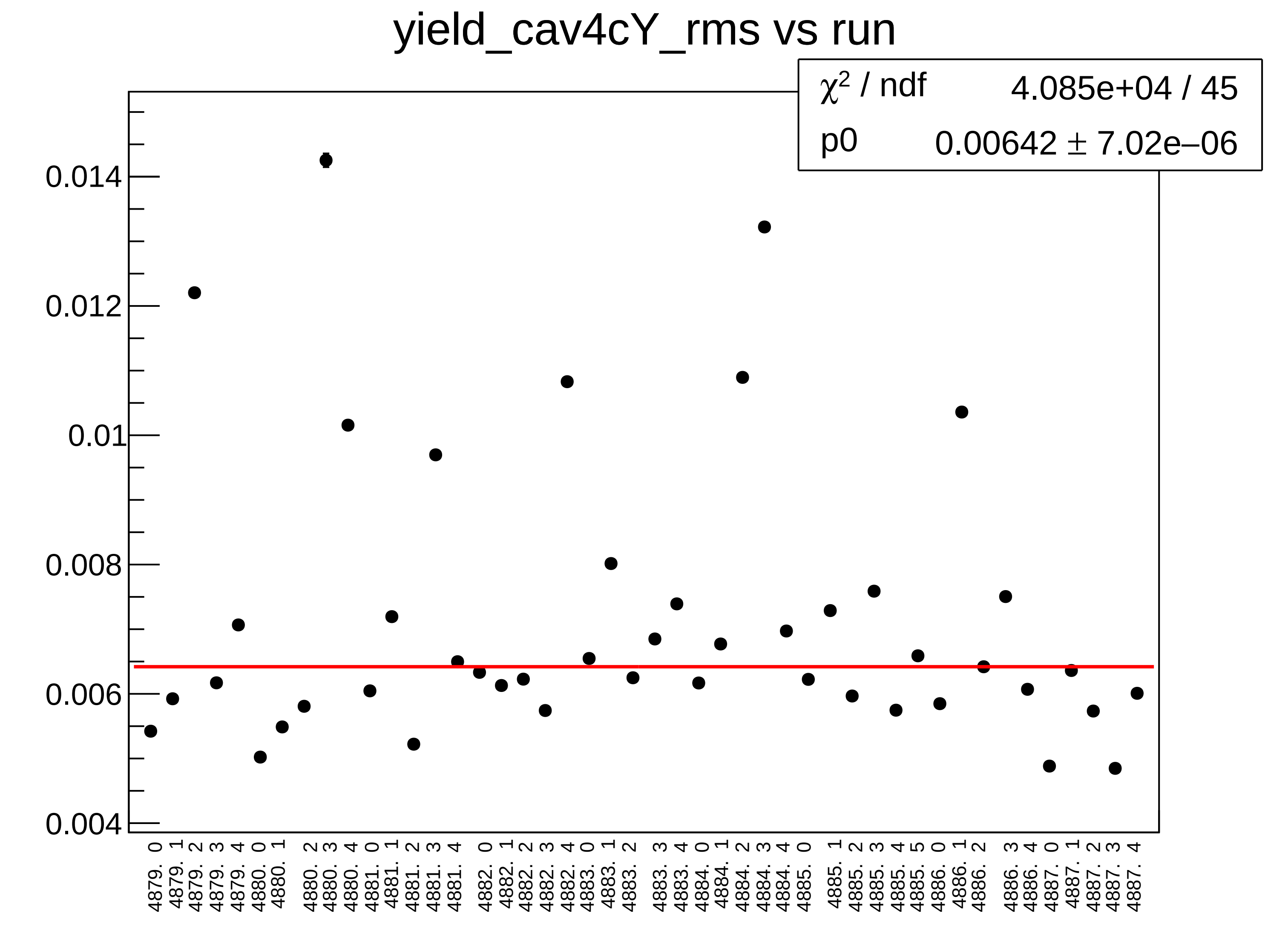
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_cav4cY_mean vs run
χ^2 / ndf 1.092e+04 / 45
p0 −0.08287 ± 9.928e−06
pull
Entries 46
Mean 36.64
Std Dev 17.97
pull1D
Entries 46
Mean 0.7161
Std Dev 3.969



yield_cav4cY_rms vs run
χ^2 / ndf 4.085e+04 / 45
p0 0.00642 ± 7.02e−06
0.014
0.012
0.01
0.008
0.006
0.004
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
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4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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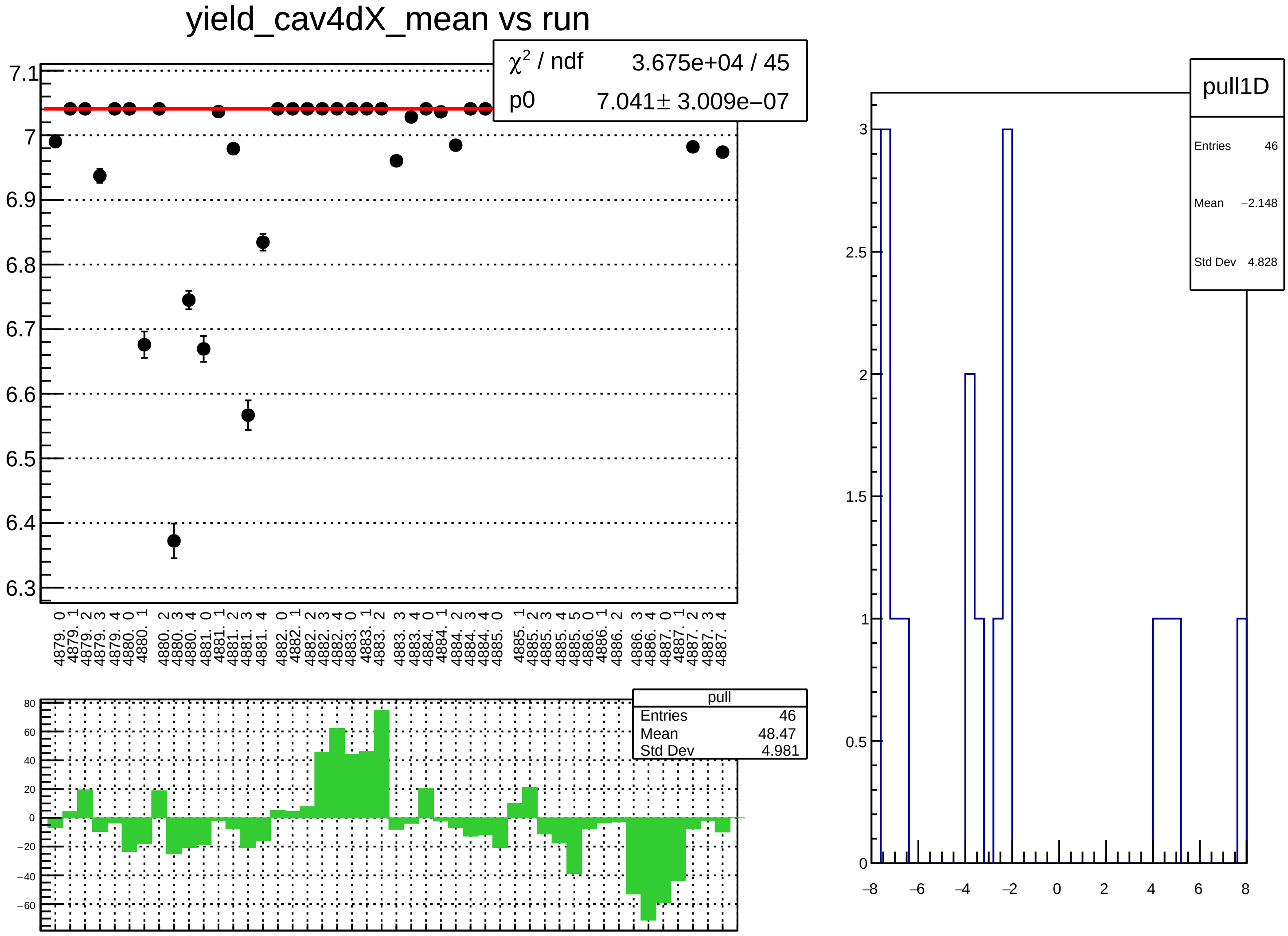
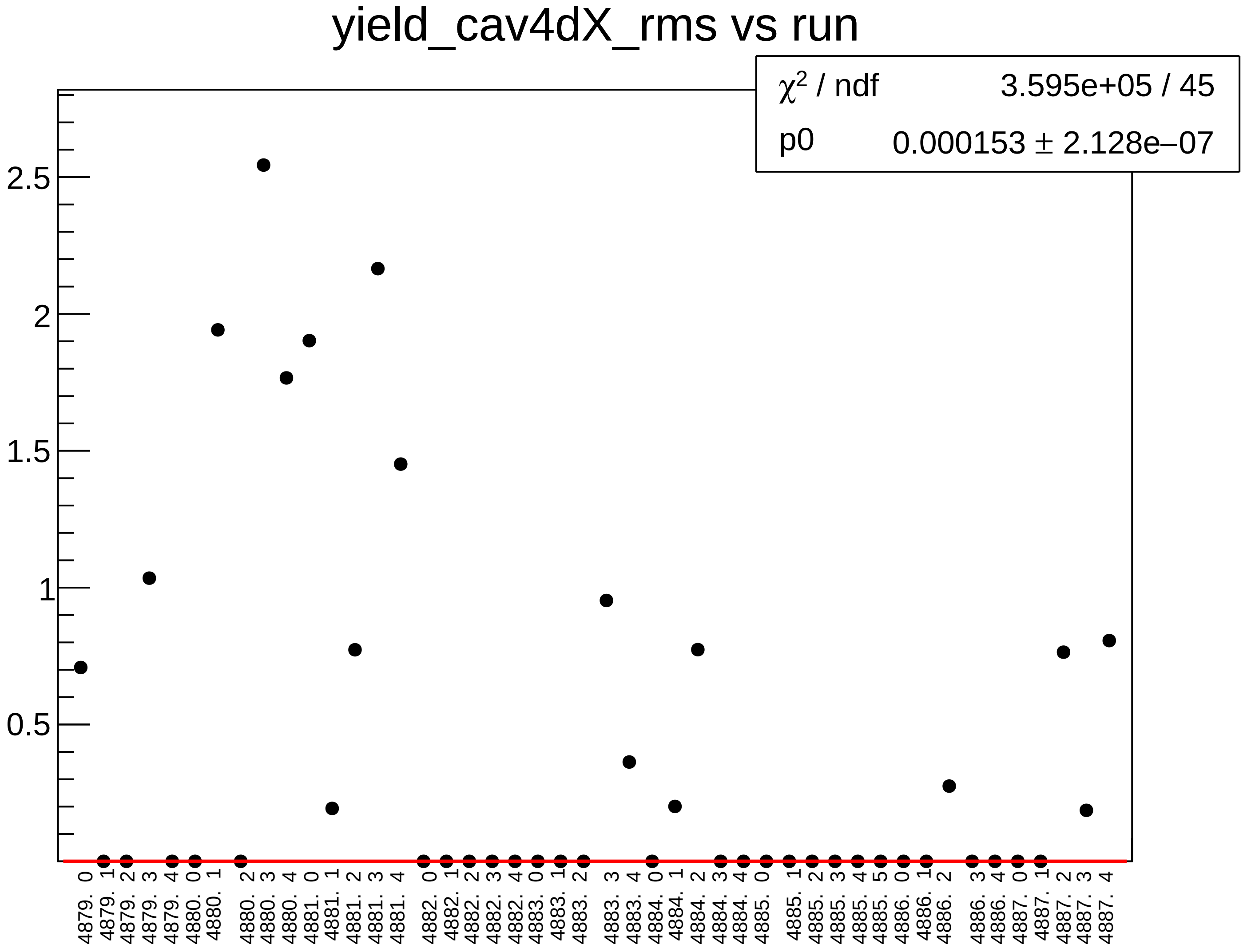
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_cav4dX_mean vs run
χ^2 / ndf 3.675e+04 / 45
p0 7.041± 3.009e−07
pull
Entries 46
Mean 48.47
Std Dev 4.981
pull1D
Entries 46
Mean −2.148
Std Dev 4.828



yield_cav4dX_rms vs run
χ^2 / ndf 3.595e+05 / 45
p0 0.000153 ± 2.128e−07
2.5
2
1.5
1
0.5
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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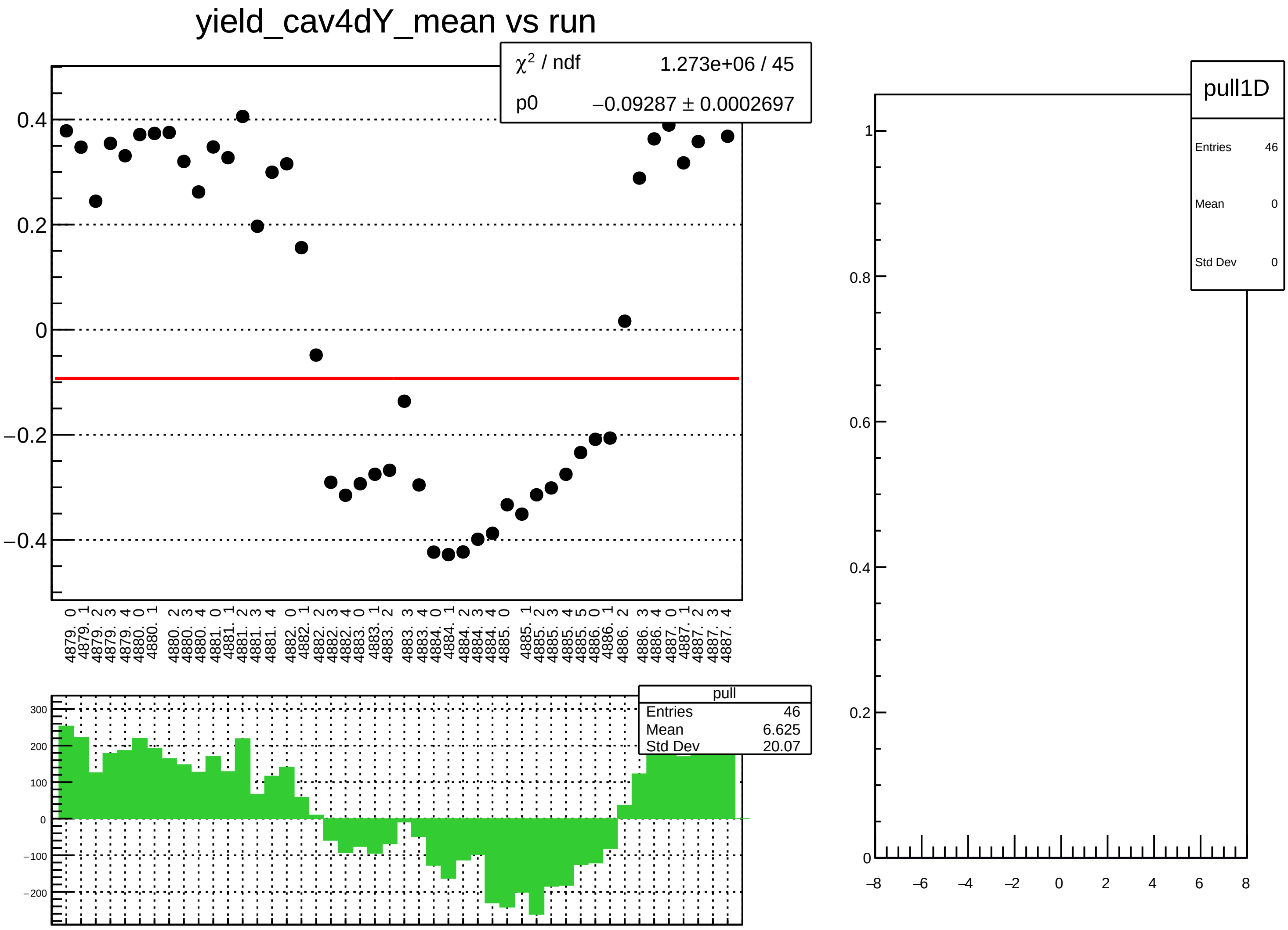
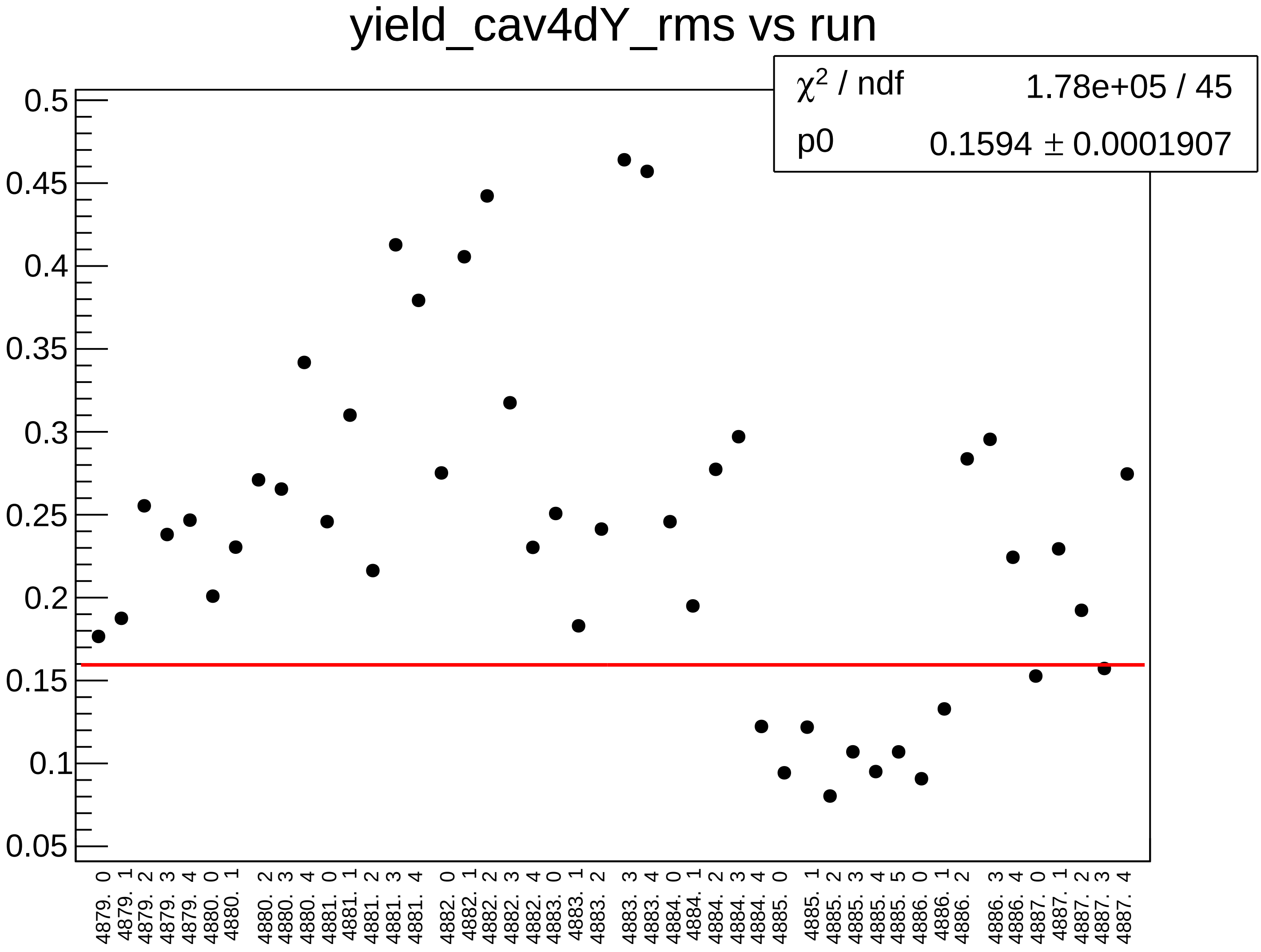
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


yield_cav4dY_mean vs run
χ^2 / ndf 1.273e+06 / 45
p0 −0.09287 ± 0.0002697
pull
Entries 46
Mean 6.625
Std Dev 20.07
pull1D
Entries 46
Mean 0
Std Dev 0


yield_cav4dY_rms vs run
χ^2 / ndf 1.78e+05 / 45
p0 0.1594 ± 0.0001907
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4884. 2
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4885. 3
4885. 4
4885. 5
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4886. 2
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4887. 1
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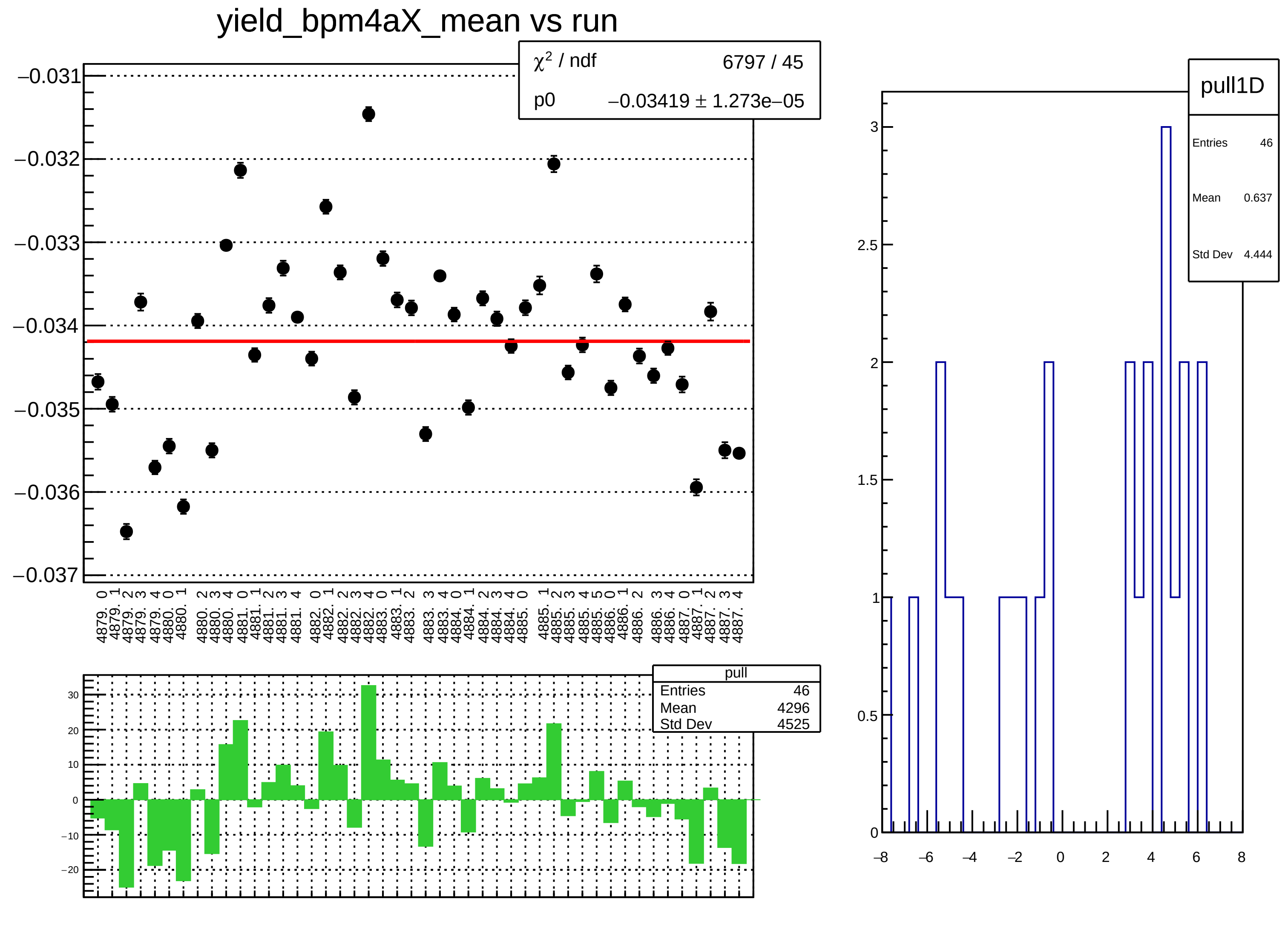
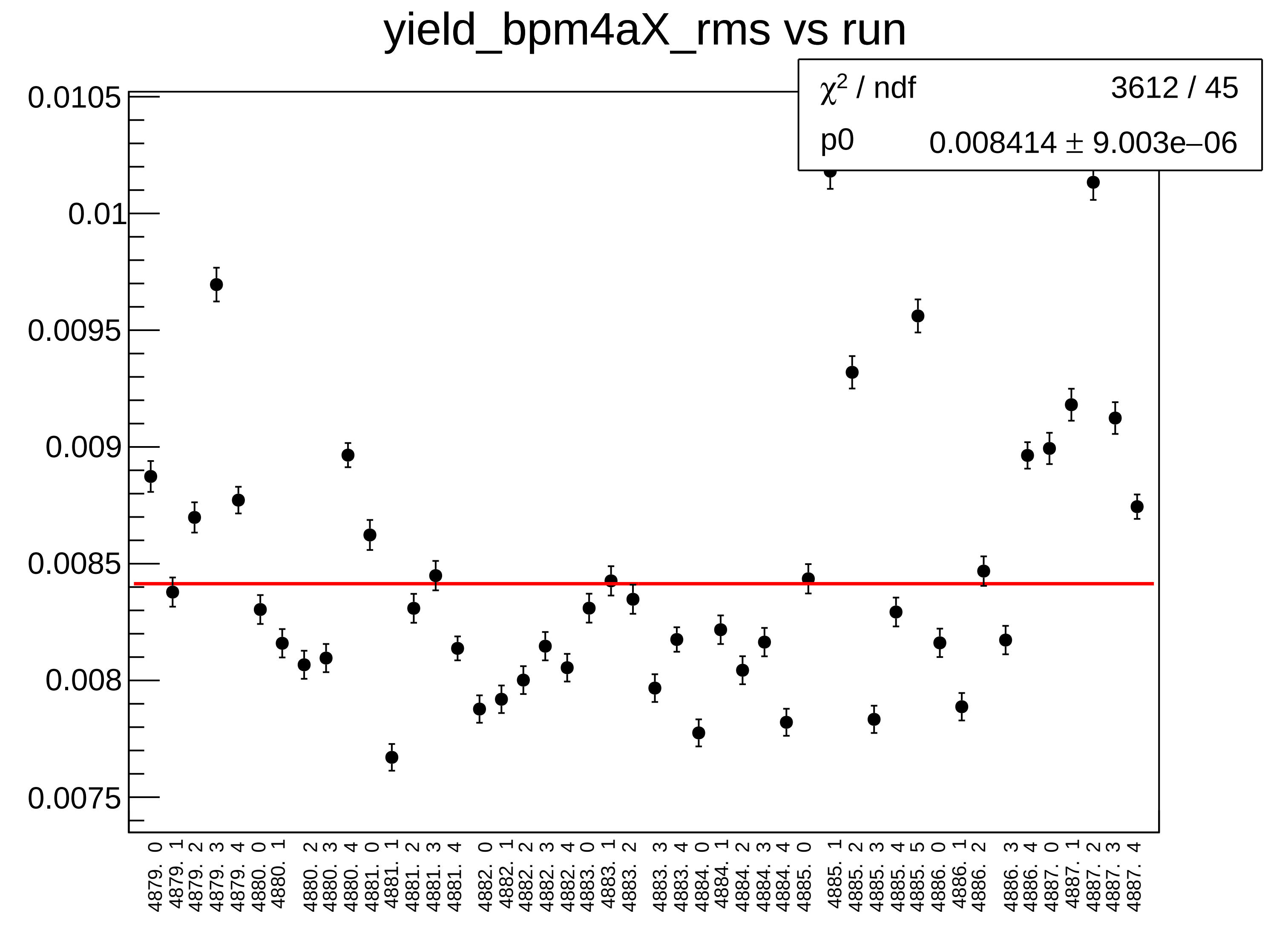


yield_bpm4aX_mean vs run
χ^2 / ndf 6797 / 45
p0 −0.03419 ± 1.273e−05
pull
Entries 46
Mean 4296
Std Dev 4525
pull1D
Entries 46
Mean 0.637
Std Dev 4.444



yield_bpm4aX_rms vs run
χ2 / ndf 3612 / 45
p0 0.008414 ± 9.003e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
0.0075
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4887. 0
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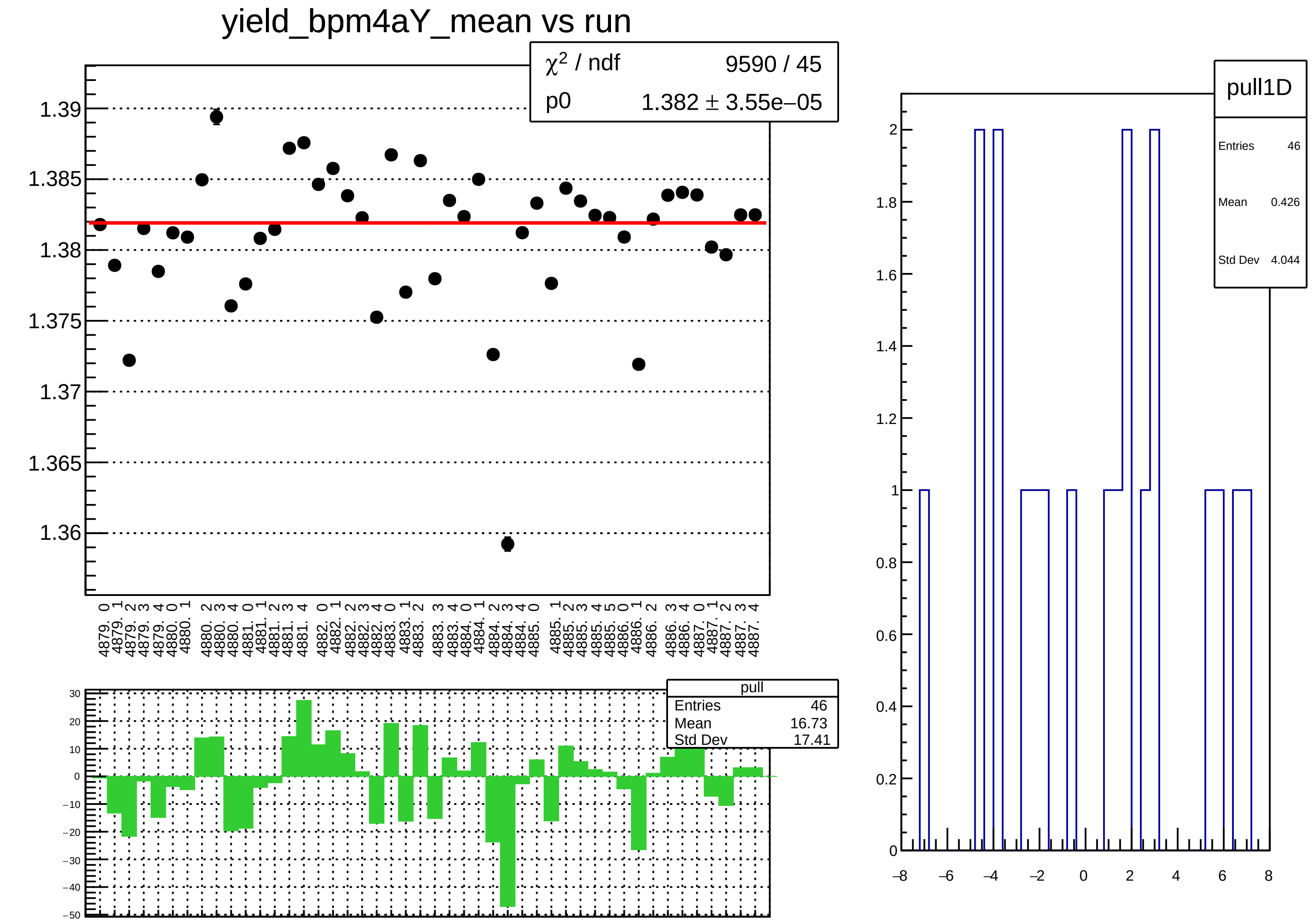
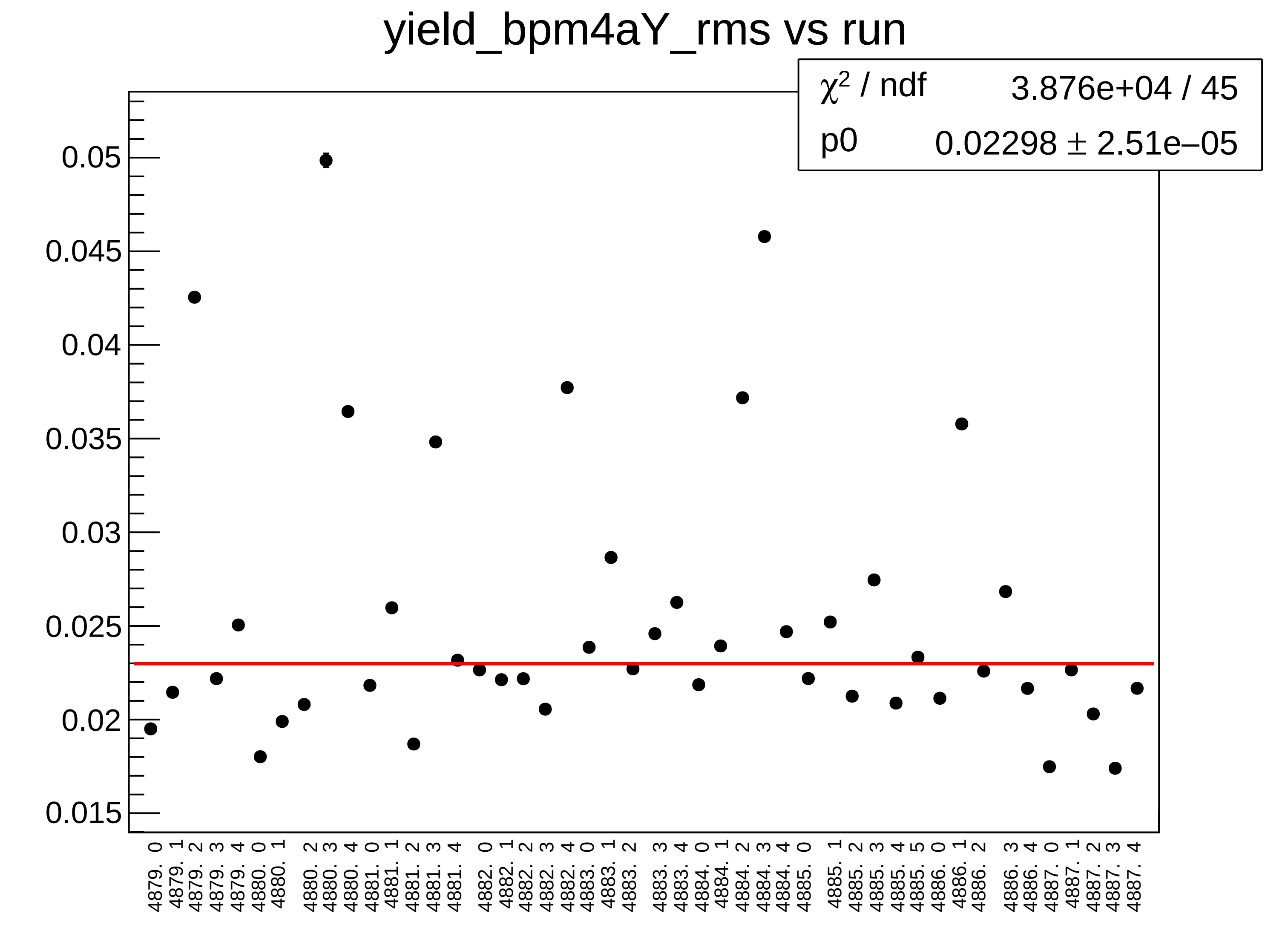
4887. 4


yield_bpm4aY_mean vs run
χ2 / ndf 9590 / 45
p0 1.382 ± 3.55e−05
pull
Entries 46
Mean 16.73
Std Dev 17.41
pull1D
Entries 46
Mean 0.426
Std Dev 4.044


yield_bpm4aY_rms vs run
χ2 / ndf 3.876e+04 / 45
p0 0.02298 ± 2.51e−05
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
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4883. 2
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4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
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4885. 4
4885. 5
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4886. 2
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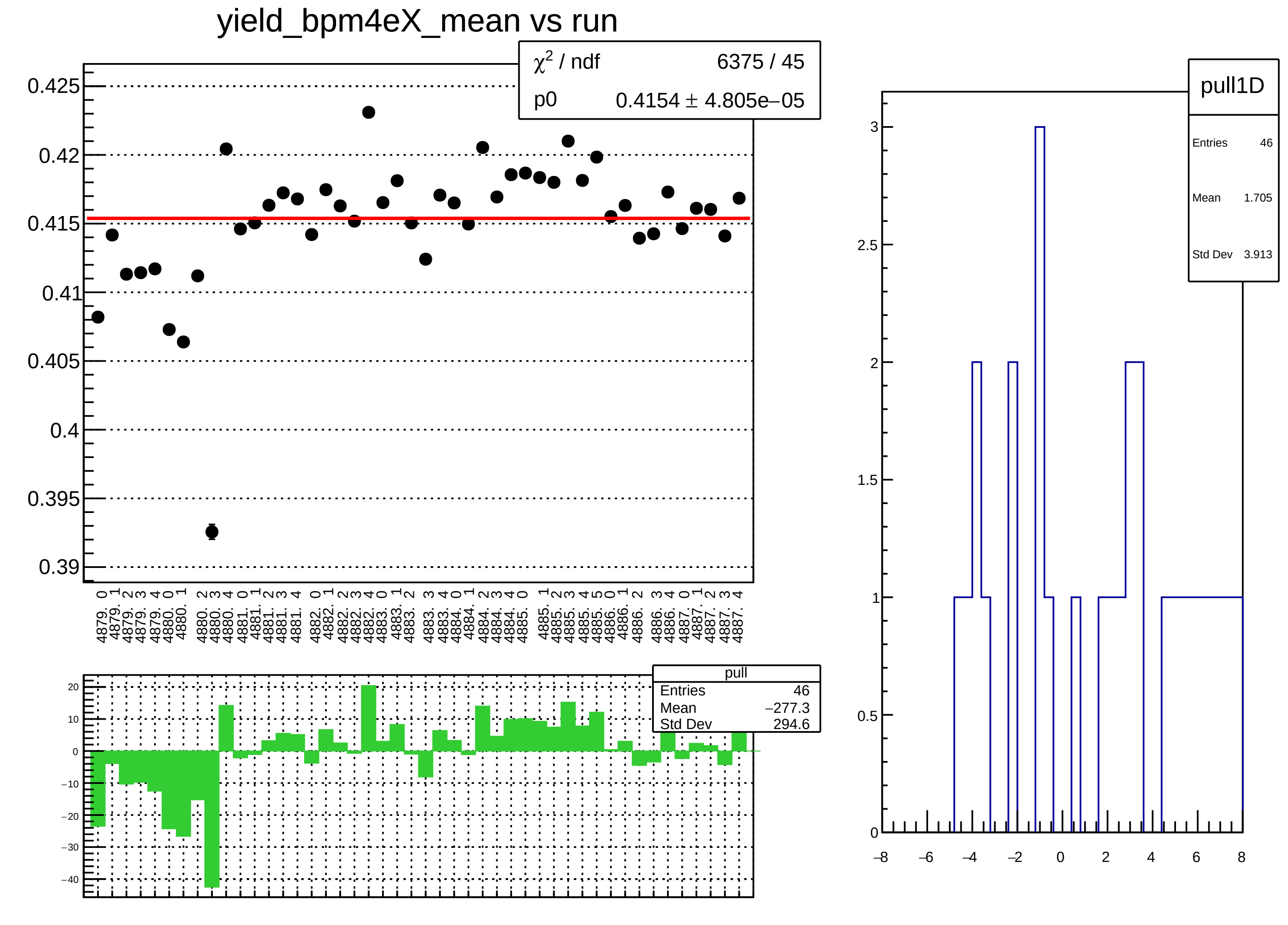
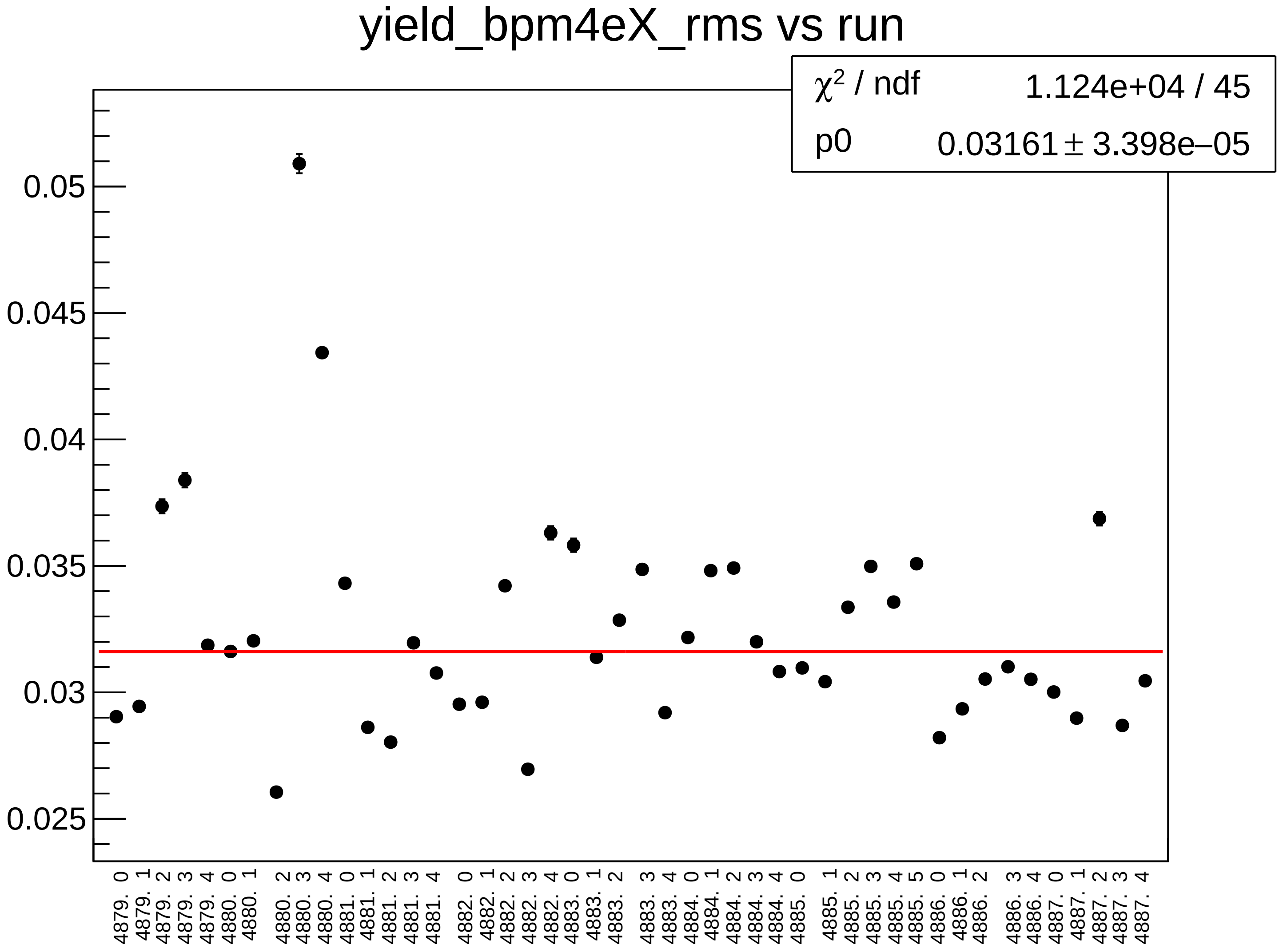


yield_bpm4eX_mean vs run
χ^2 / ndf 6375 / 45
p0 0.4154 ± 4.805e−05
pull
Entries 46
Mean −277.3
Std Dev 294.6
pull1D
Entries 46
Mean 1.705
Std Dev 3.913



yield_bpm4eX_rms vs run
χ^2 / ndf 1.124e+04 / 45
p0 0.03161 ± 3.398e−05
0.05
0.045
0.04
0.035
0.03
0.025
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4884. 2
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4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
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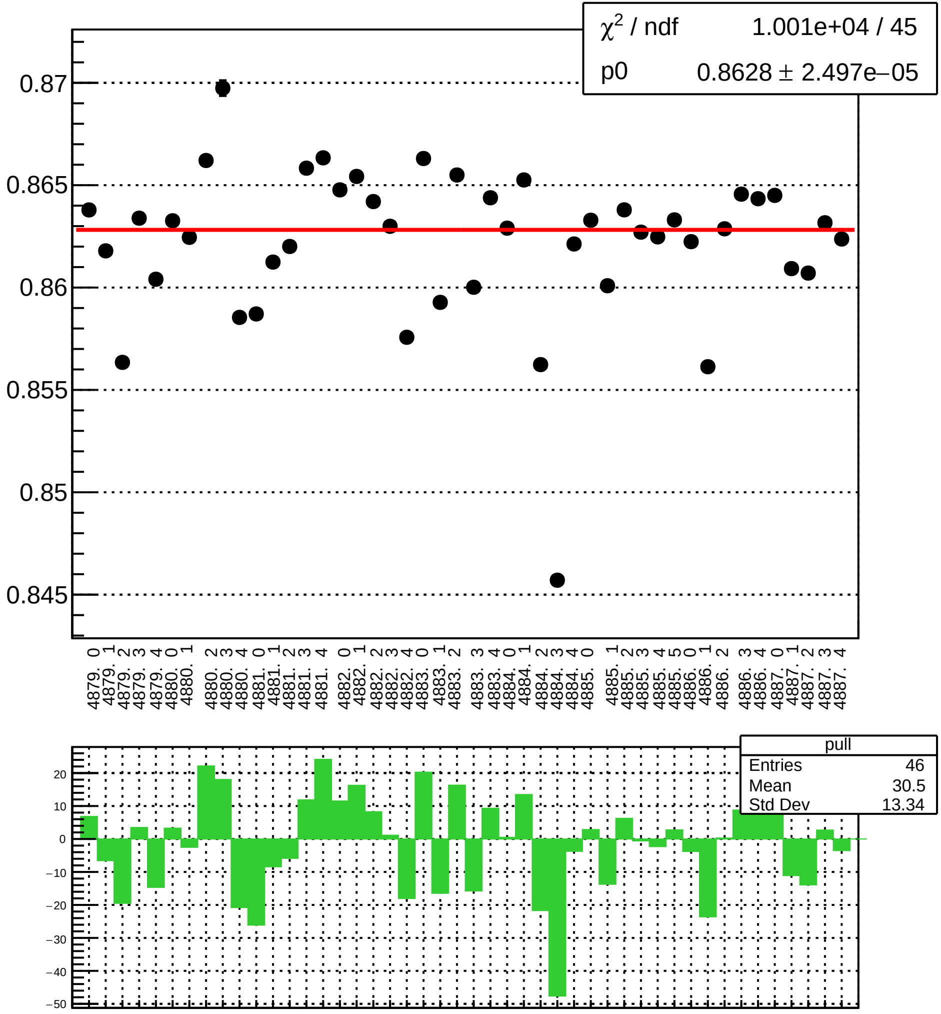
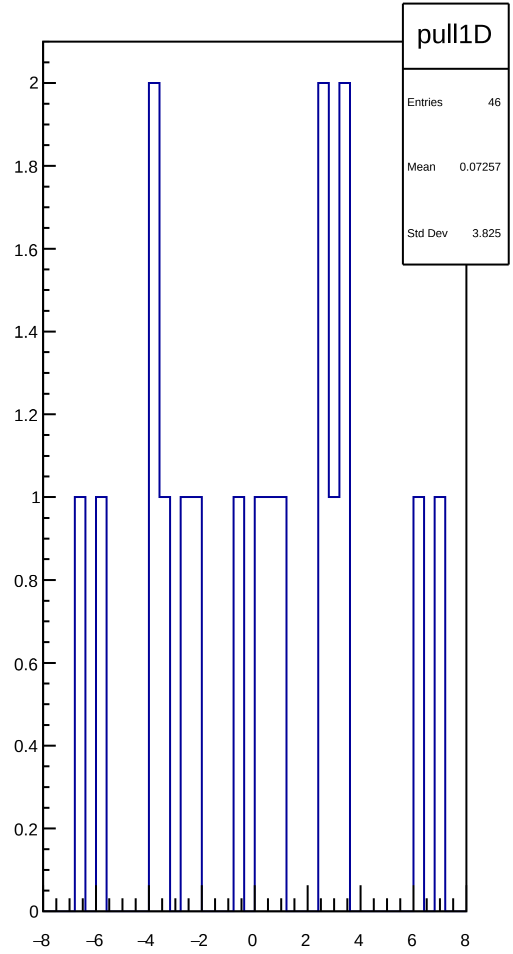
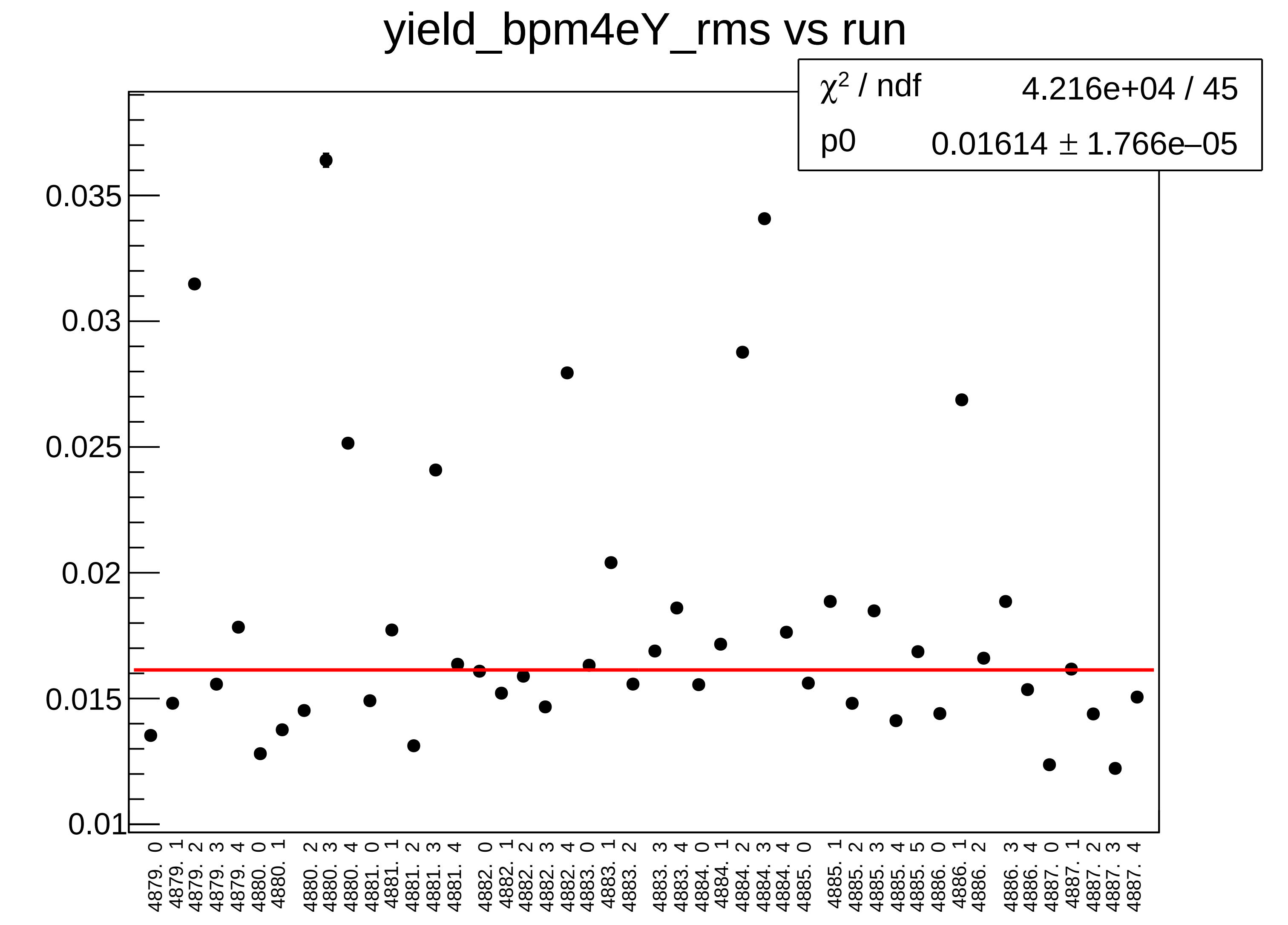
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

yield_bpm4eY_mean vs run







yield_bpm4eY_rms vs run
χ^2 / ndf 4.216e+04 / 45
p0 0.01614 ± 1.766e−05
0.035
0.03
0.025
0.02
0.015
0.01
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4882. 0
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4883. 0
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4884. 0
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4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 4
4887. 0
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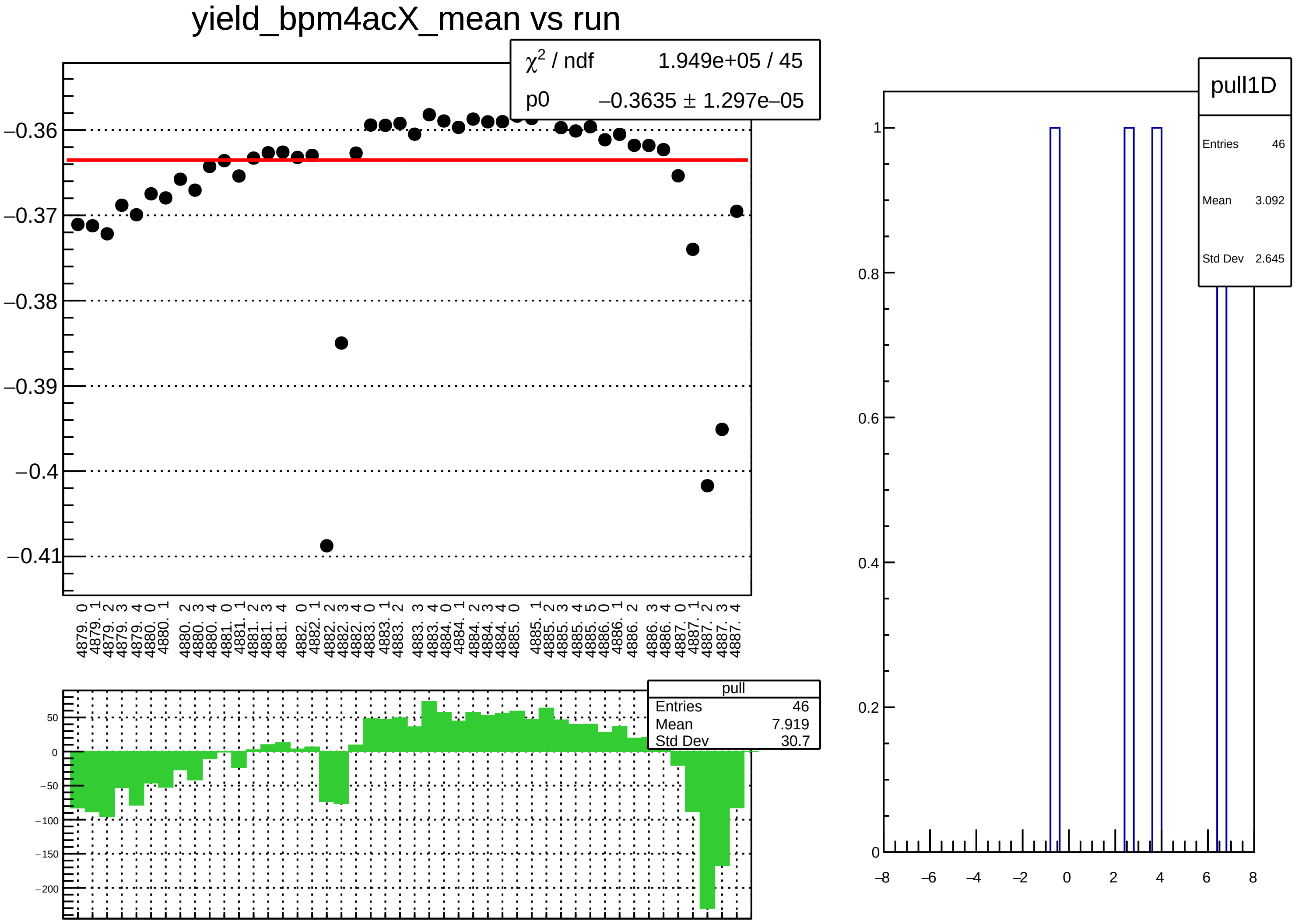
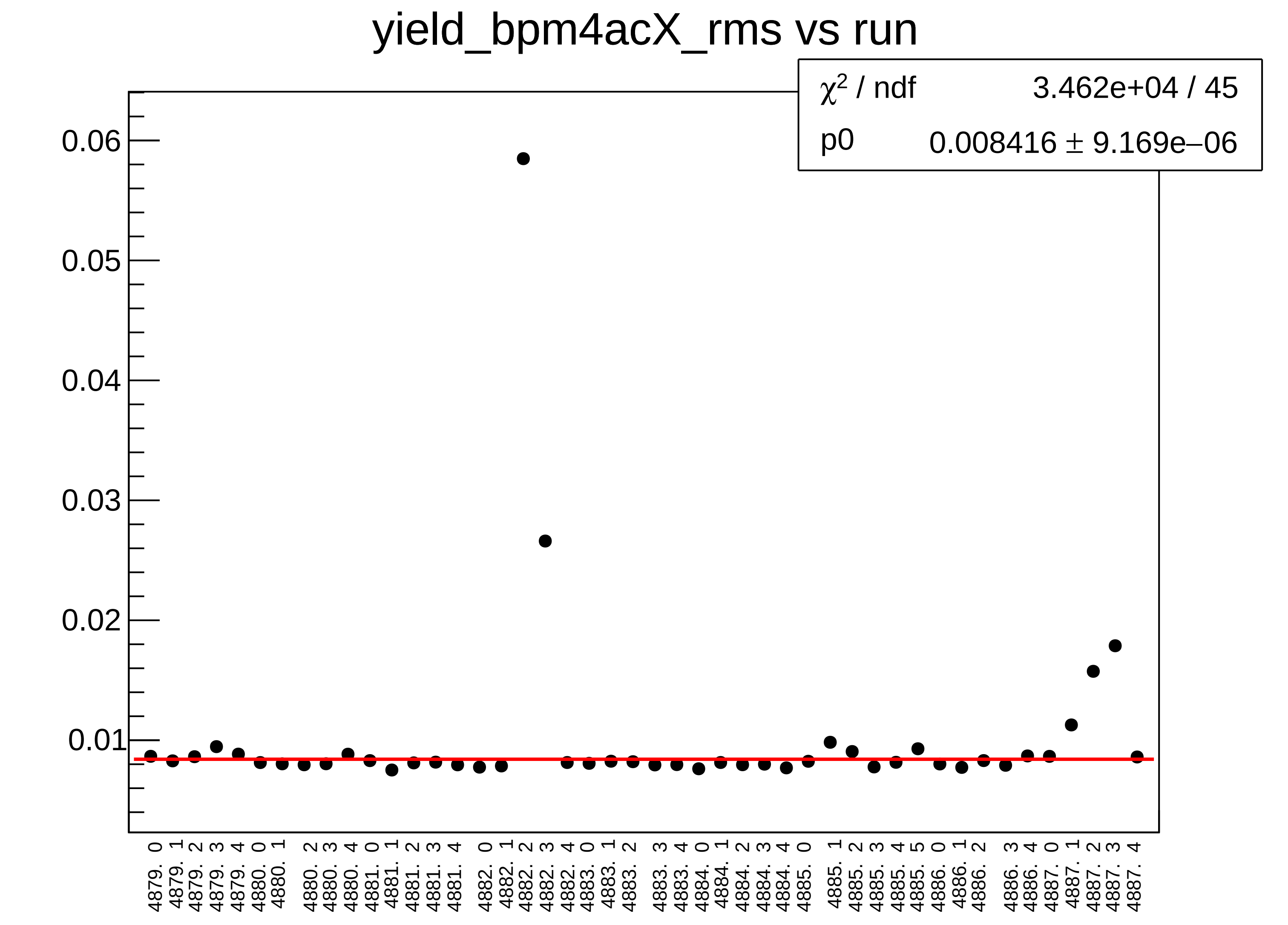


yield_bpm4acX_mean vs run
χ^2 / ndf 1.949e+05 / 45
p0 −0.3635 ± 1.297e−05
pull
Entries 46
Mean 7.919
Std Dev 30.7
pull1D
Entries 46
Mean 3.092
Std Dev 2.645


yield_bpm4acX_rms vs run
χ^2 / ndf 3.462e+04 / 45
p0 0.008416 ± 9.169e−06
0.06
0.05
0.04
0.03
0.02
0.01
4879. 0
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4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
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4881. 4
4882. 0
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4885. 5
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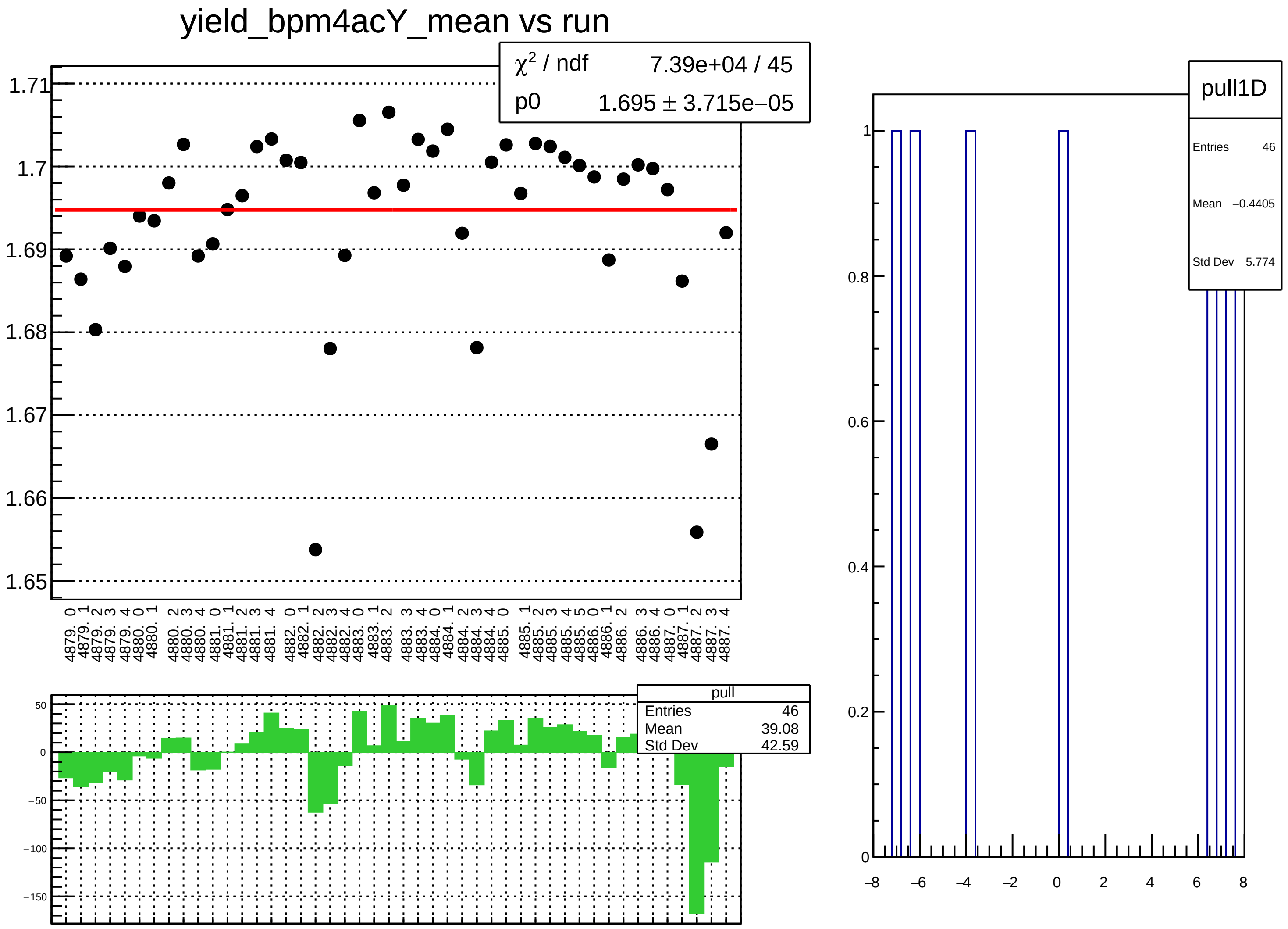
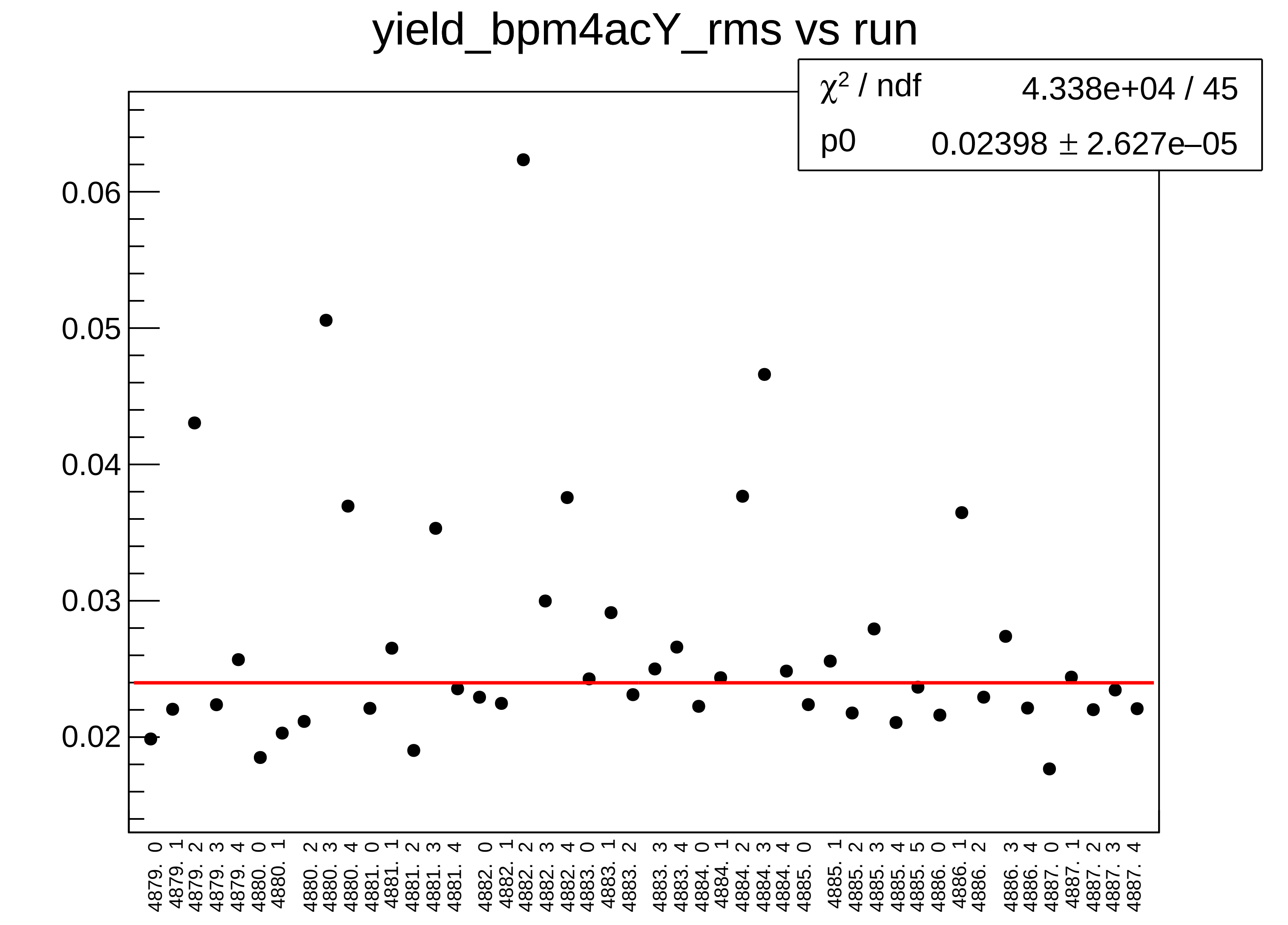


yield_bpm4acY_mean vs run
χ^2 / ndf 7.39e+04 / 45
p0 1.695 ± 3.715e−05
pull
Entries 46
Mean 39.08
Std Dev 42.59
pull1D
Entries 46
Mean −0.4405
Std Dev 5.774



yield_bpm4acY_rms vs run
χ^2 / ndf 4.338e+04 / 45
p0 0.02398 ± 2.627e−05
0.06
0.05
0.04
0.03
0.02
4879. 0
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4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
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4882. 0
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4884. 0
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4885. 0
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4885. 5
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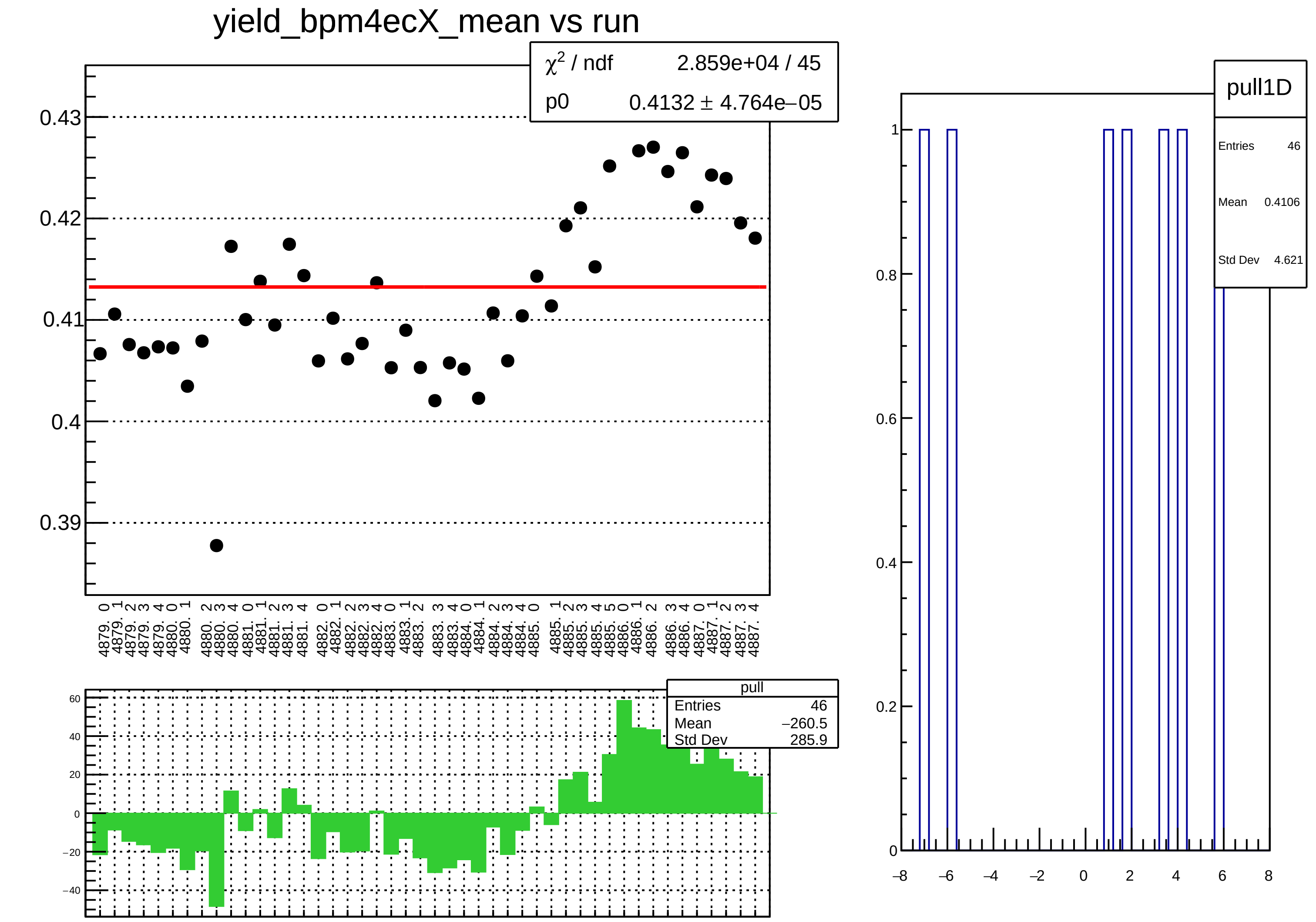
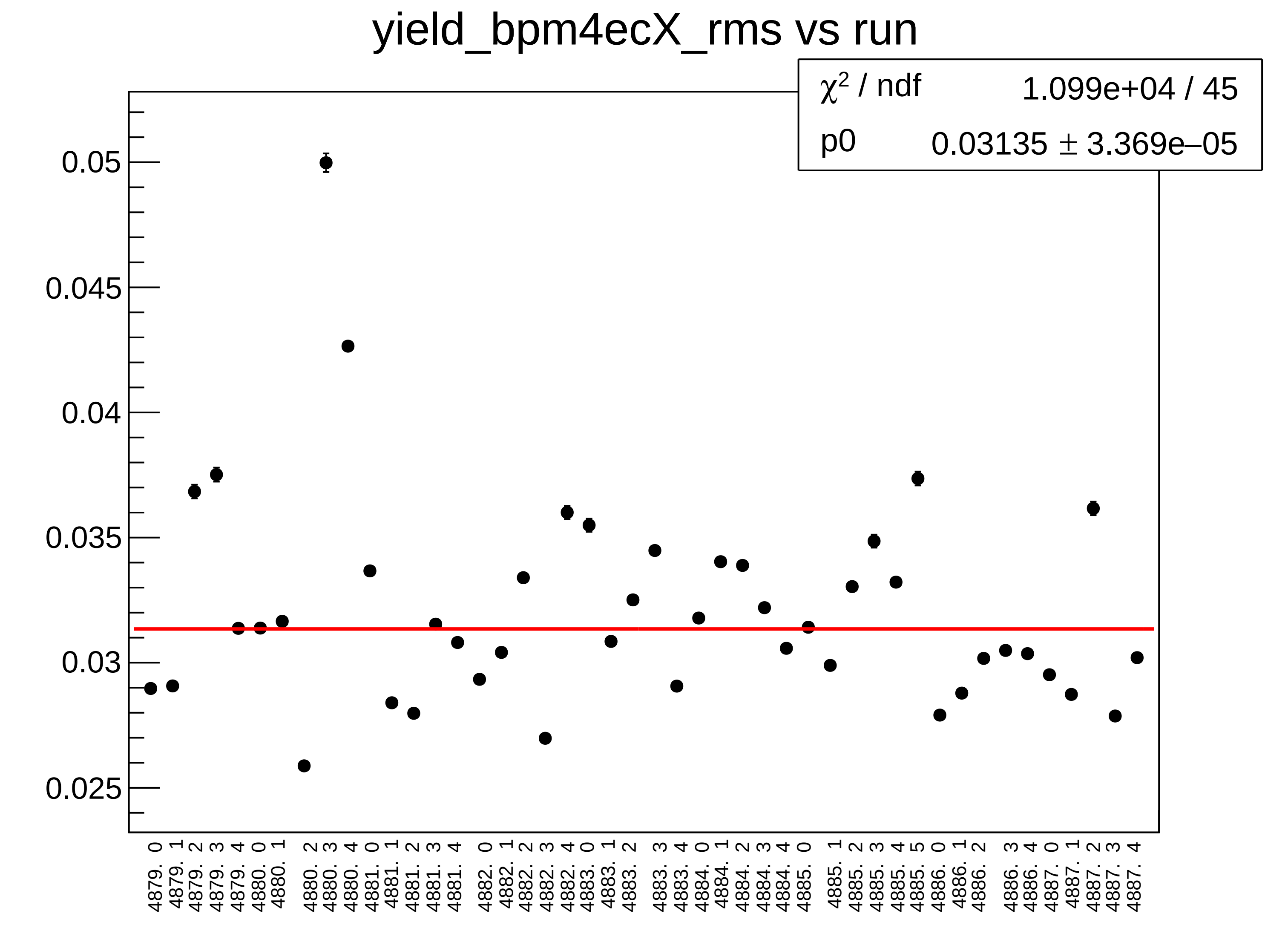
4887. 3
4887. 4



yield_bpm4ecX_mean vs run
χ^2 / ndf 2.859e+04 / 45
p0 0.4132 ± 4.764e−05
pull
Entries 46
Mean −260.5
Std Dev 285.9
pull1D
Entries 46
Mean 0.4106
Std Dev 4.621



yield_bpm4ecX_rms vs run
χ^2 / ndf 1.099e+04 / 45
p0 0.03135 ± 3.369e−05
0.05
0.045
0.04
0.035
0.03
0.025
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
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4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
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4885. 3
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4885. 5
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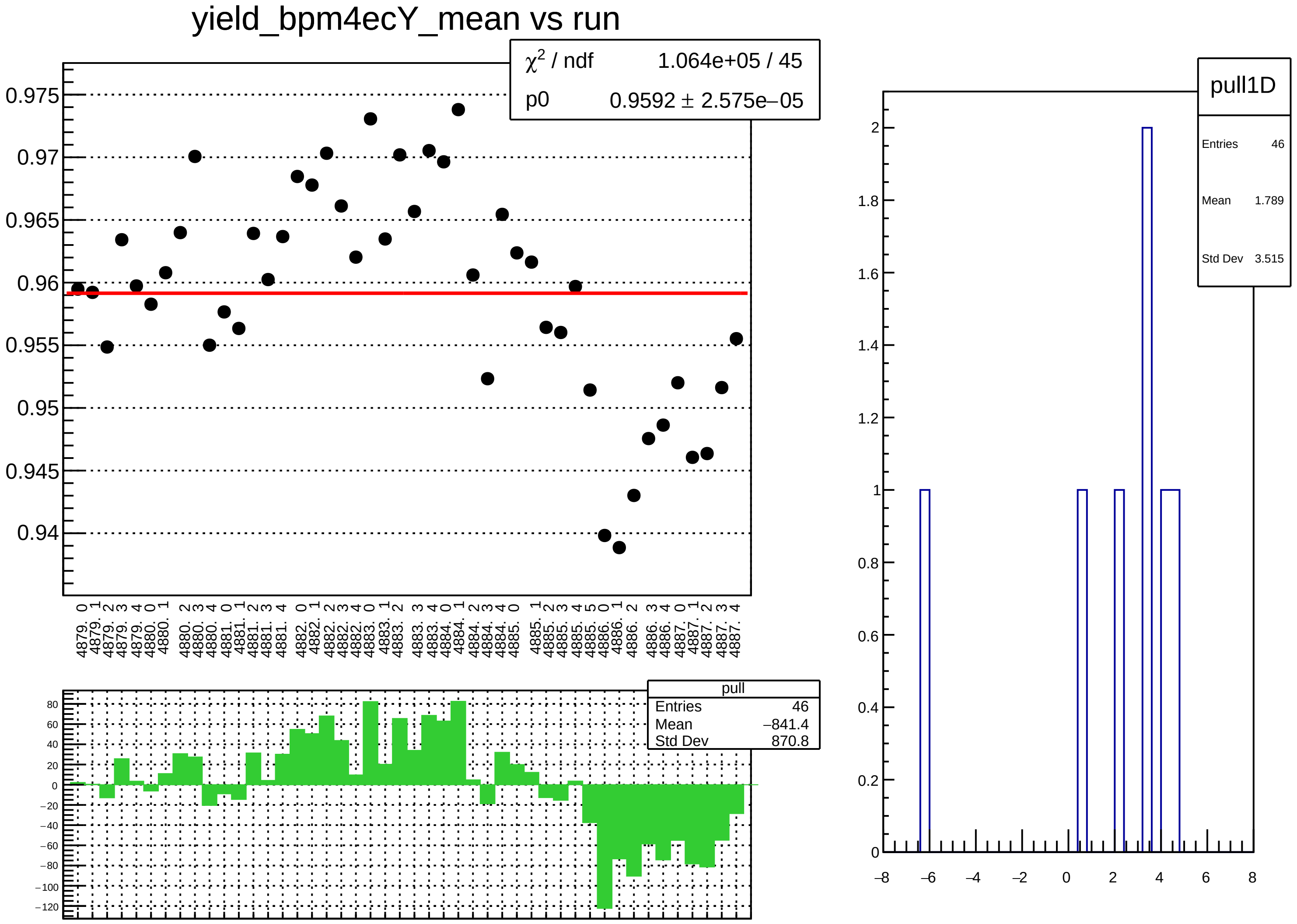
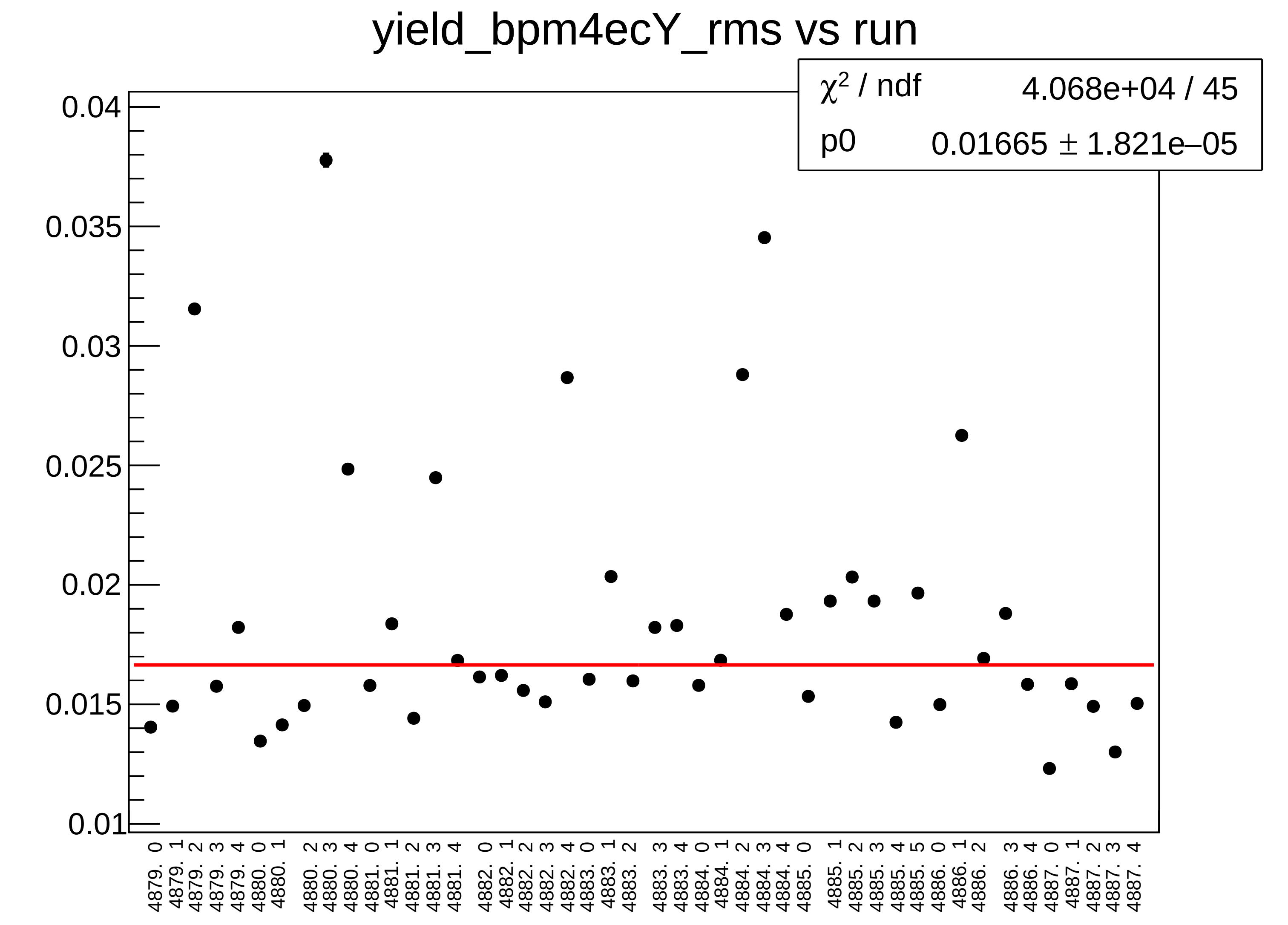
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_bpm4ecY_mean vs run
χ2 / ndf 1.064e+05 / 45
p0 0.9592 ± 2.575e−05
pull
Entries 46
Mean −841.4
Std Dev 870.8
pull1D
Entries 46
Mean 1.789
Std Dev 3.515



yield_bpm4ecY_rms vs run
χ^2 / ndf 4.068e+04 / 45
p0 0.01665 ± 1.821e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
4879. 0
4879. 1
4879. 2
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4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4882. 1
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4883. 2
4883. 3
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4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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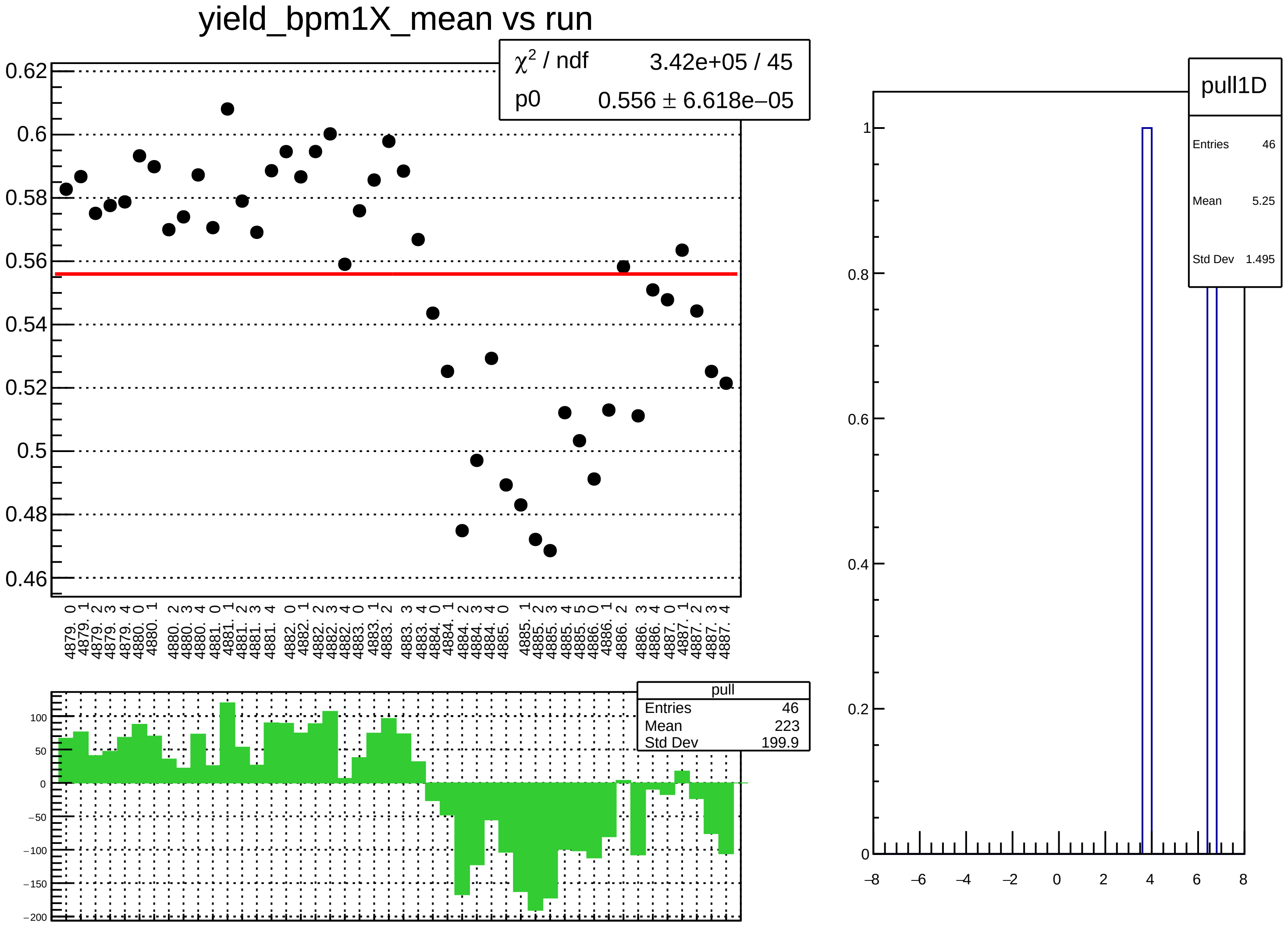
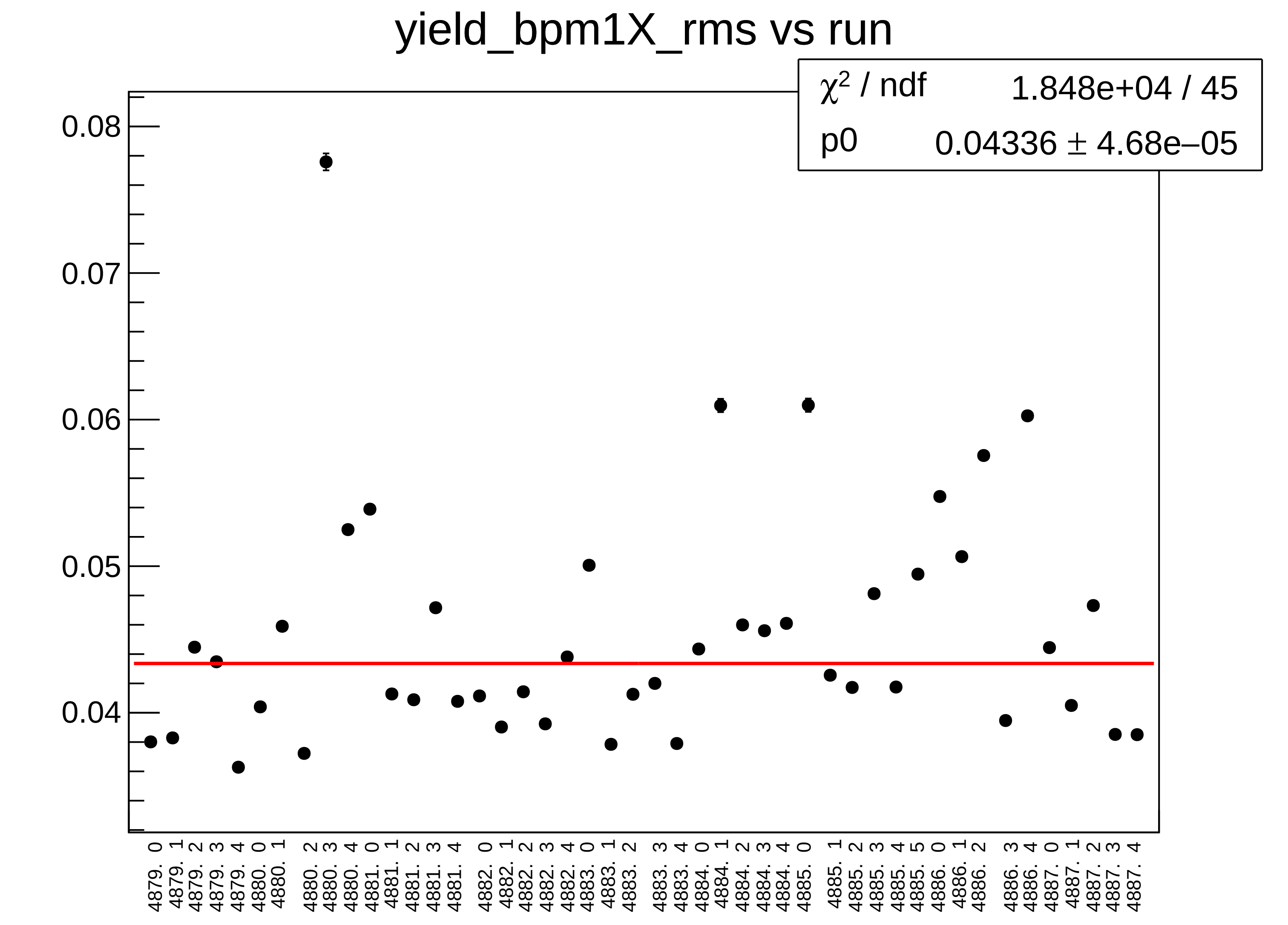
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_bpm1X_mean vs run
χ^2 / ndf 3.42e+05 / 45
p0 0.556 ± 6.618e−05
pull
Entries 46
Mean 223
Std Dev 199.9
pull1D
Entries 46
Mean 5.25
Std Dev 1.495



yield_bpm1X_rms vs run
χ^2 / ndf 1.848e+04 / 45
p0 0.04336 ± 4.68e−05
0.08
0.07
0.06
0.05
0.04
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
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4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
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4882. 4
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4884. 2
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4884. 4
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4885. 2
4885. 3
4885. 4
4885. 5
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4886. 4
4887. 0
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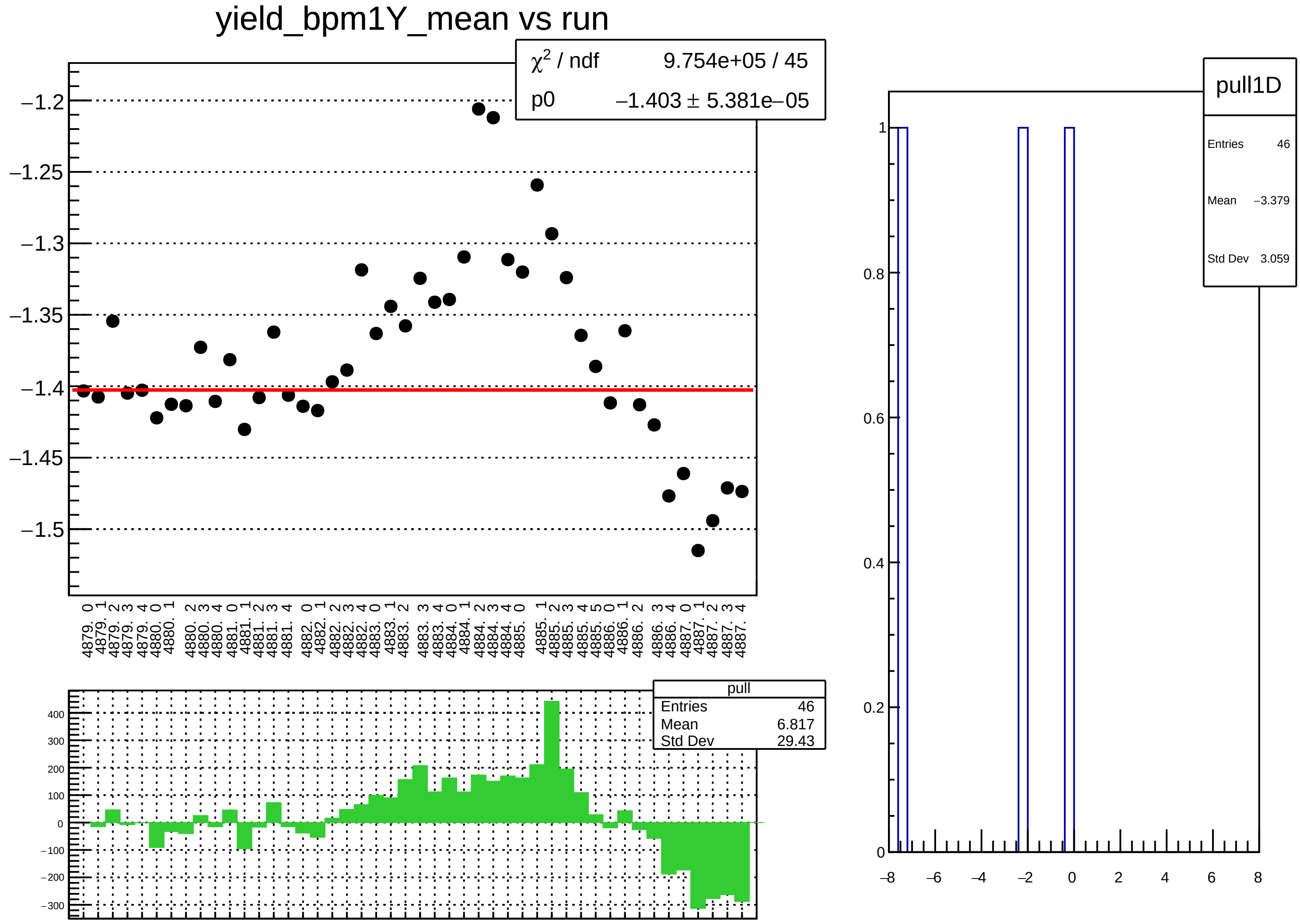
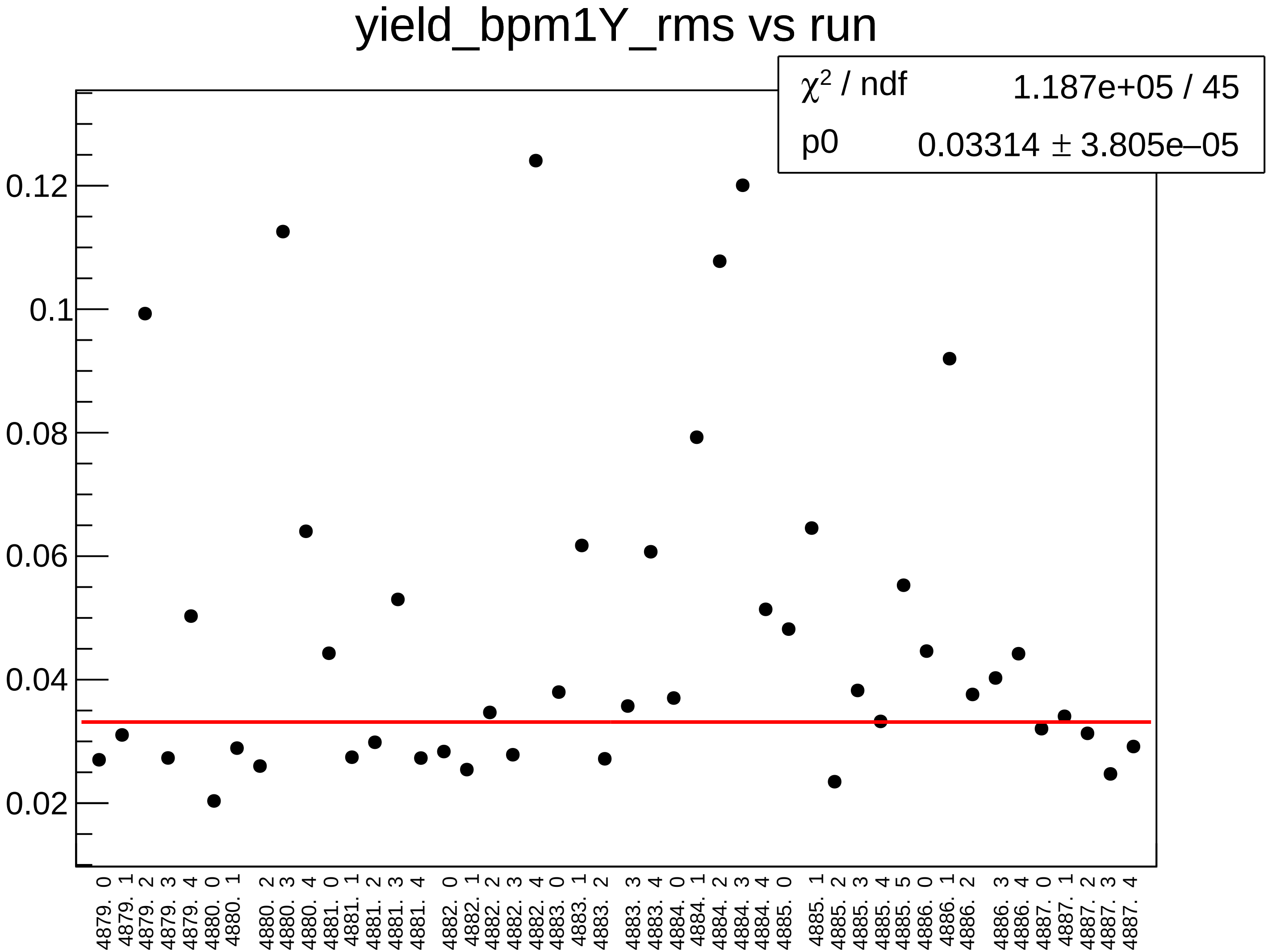
4887. 2
4887. 3
4887. 4



yield_bpm1Y_mean vs run
χ^2 / ndf 9.754e+05 / 45
p0 −1.403 ± 5.381e−05
pull
Entries 46
Mean 6.817
Std Dev 29.43
pull1D
Entries 46
Mean −3.379
Std Dev 3.059



yield_bpm1Y_rms vs run
χ^2 / ndf 1.187e+05 / 45
p0 0.03314 ± 3.805e−05
0.12
0.1
0.08
0.06
0.04
0.02
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4885. 5
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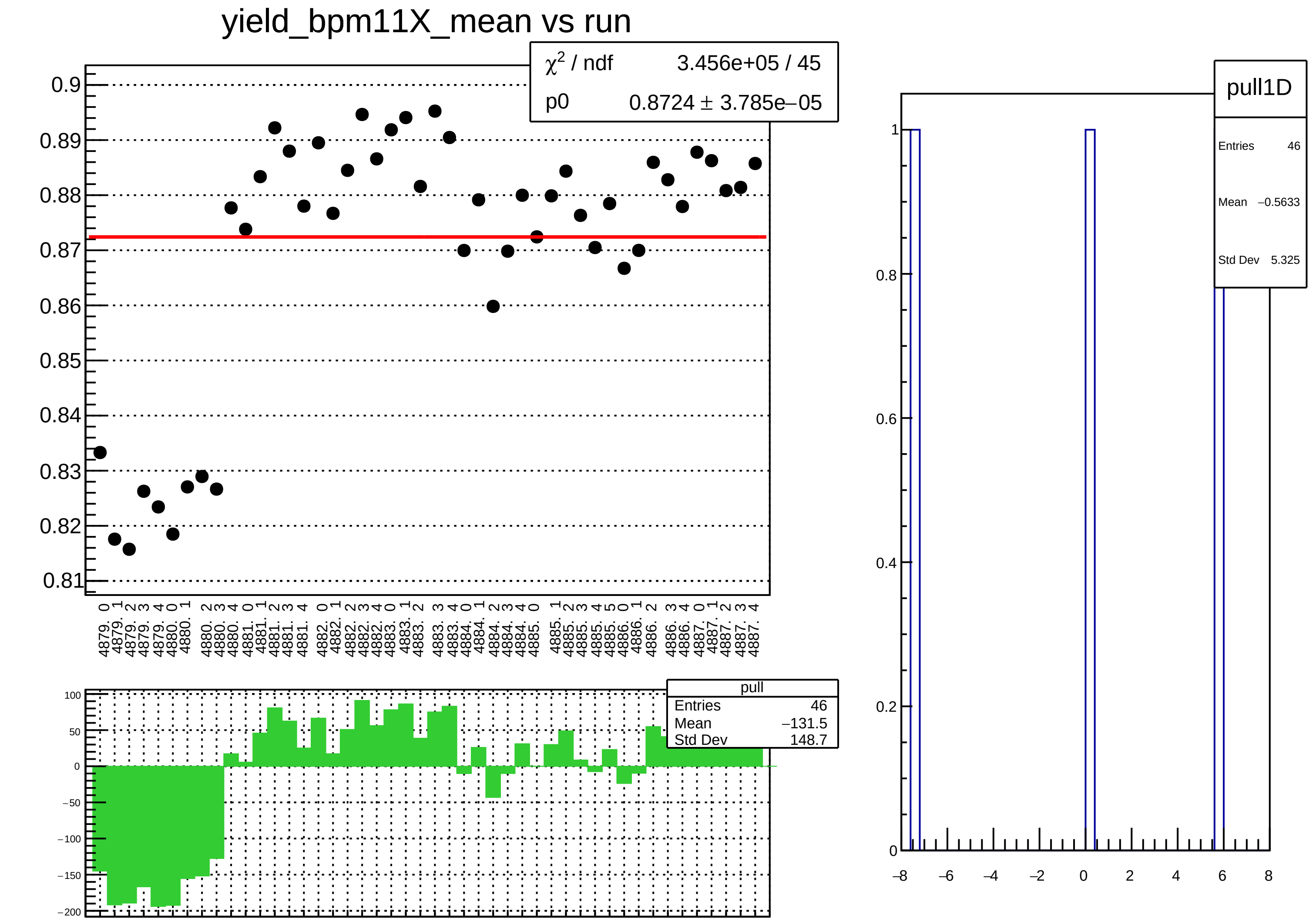
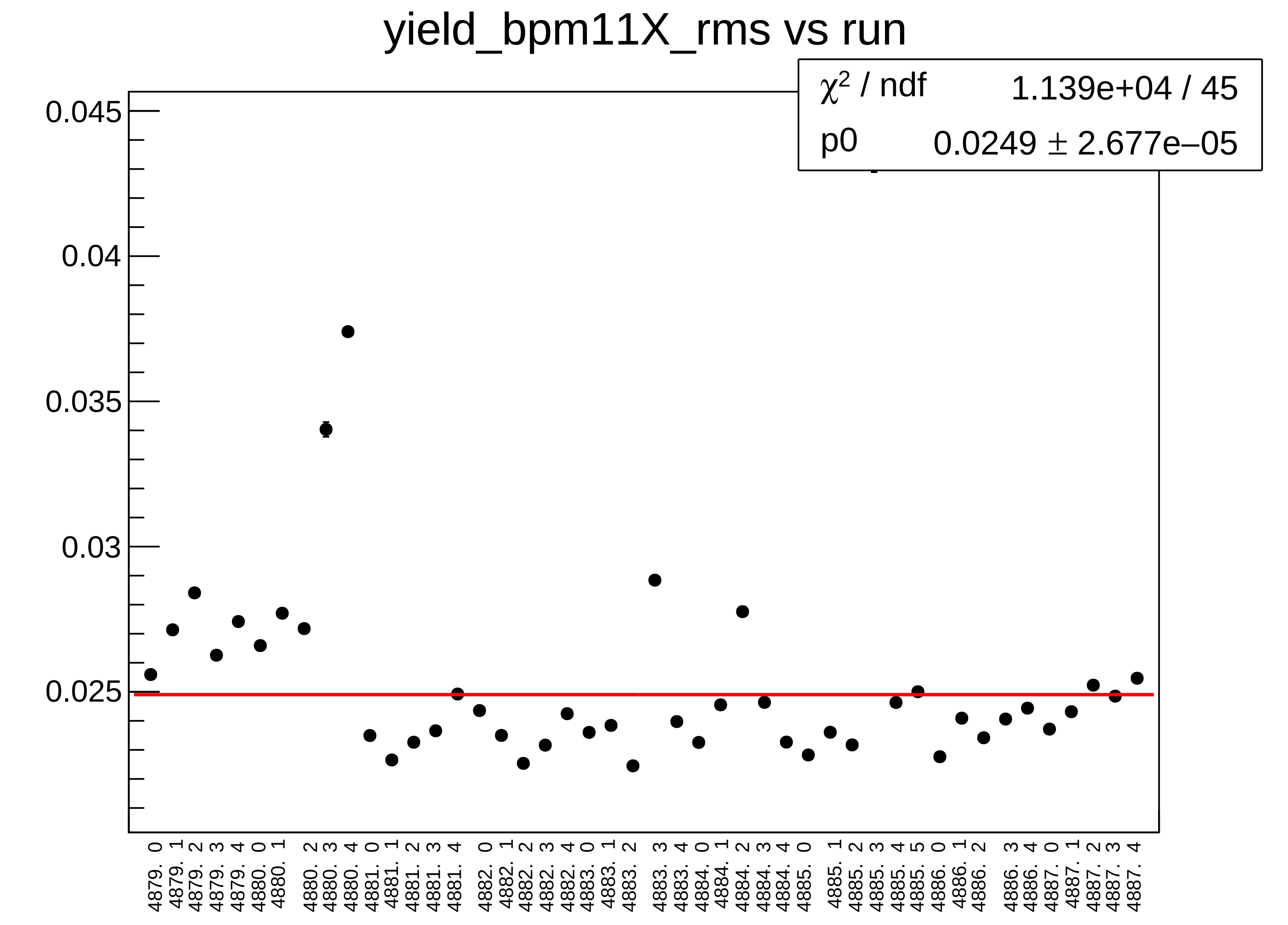
4887. 2
4887. 3
4887. 4



yield_bpm11X_mean vs run
χ2 / ndf 3.456e+05 / 45
p0 0.8724 ± 3.785e−05
pull
Entries 46
Mean −131.5
Std Dev 148.7
pull1D
Entries 46
Mean −0.5633
Std Dev 5.325


yield_bpm11X_rms vs run
χ2 / ndf 1.139e+04 / 45
p0 0.0249 ± 2.677e−05
0.045
0.04
0.035
0.03
0.025
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
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4883.0
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4884.2
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4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
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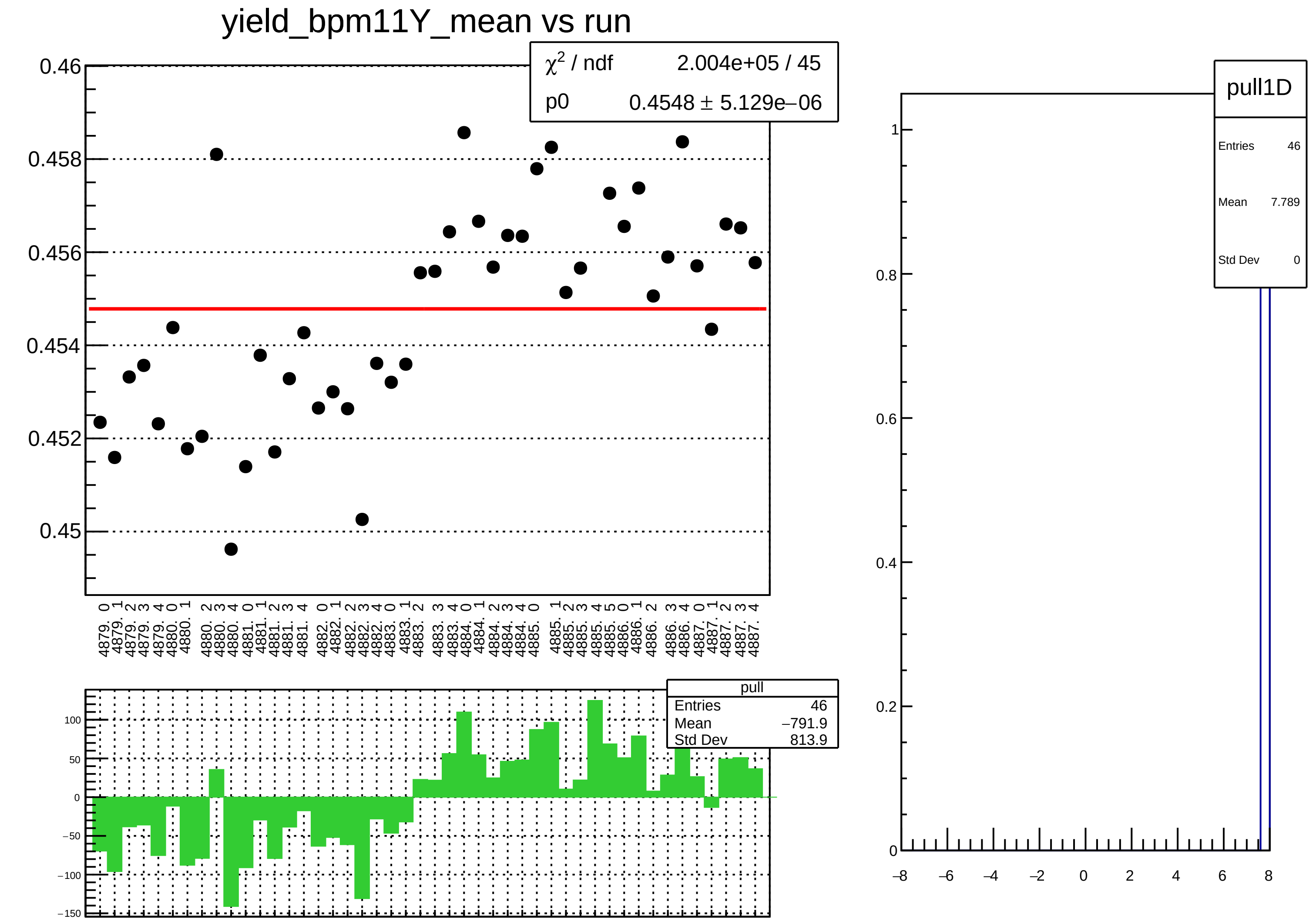
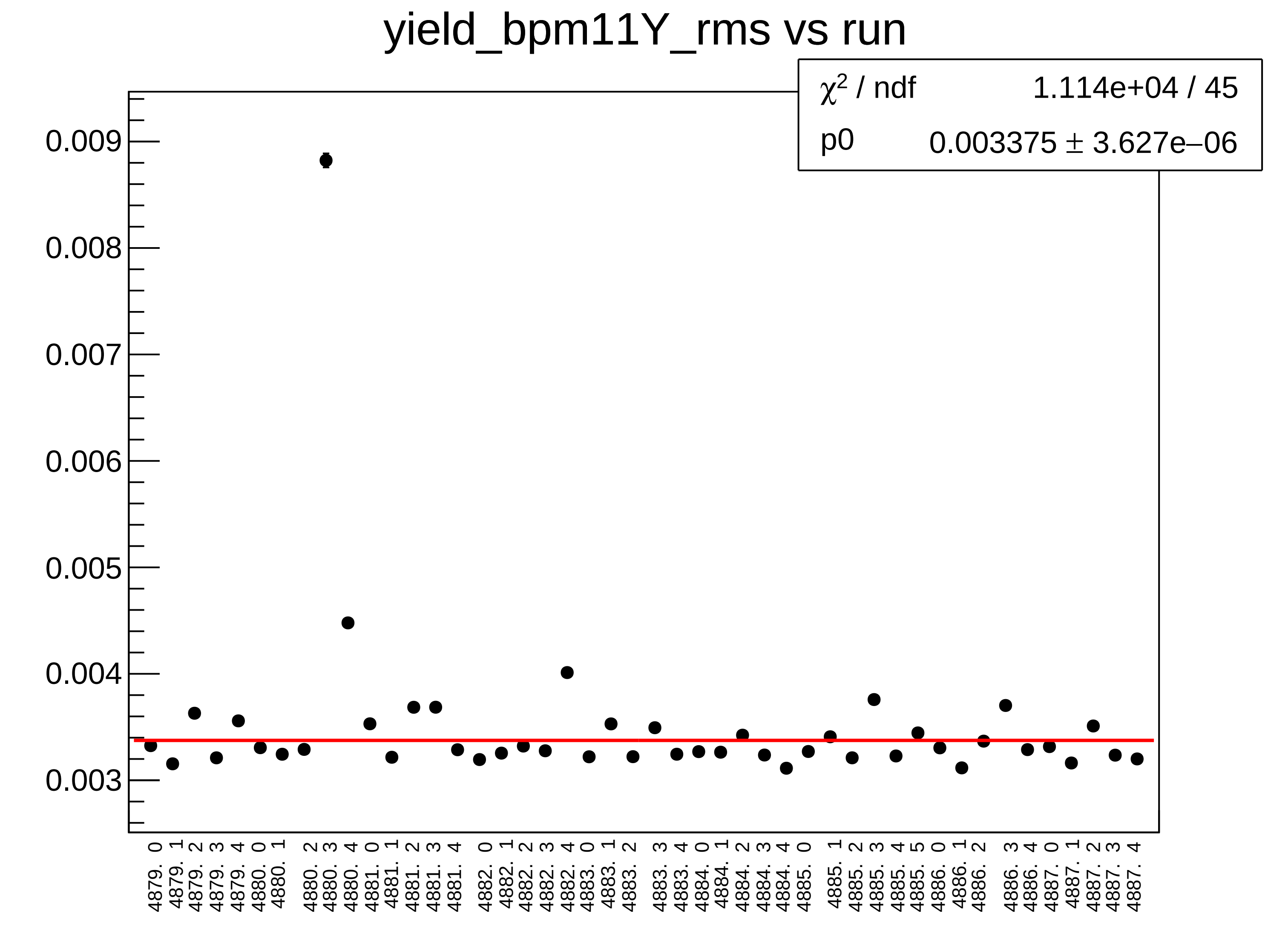
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4


yield_bpm11Y_mean vs run
χ^2 / ndf 2.004e+05 / 45
p0 0.4548 ± 5.129e−06
pull
Entries 46
Mean −791.9
Std Dev 813.9
pull1D
Entries 46
Mean 7.789
Std Dev 0



yield_bpm11Y_rms vs run
χ^2 / ndf 1.114e+04 / 45
p0 0.003375 ± 3.627e−06
0.009
0.008
0.007
0.006
0.005
0.004
0.003
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
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4880. 1
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4880. 3
4880. 4
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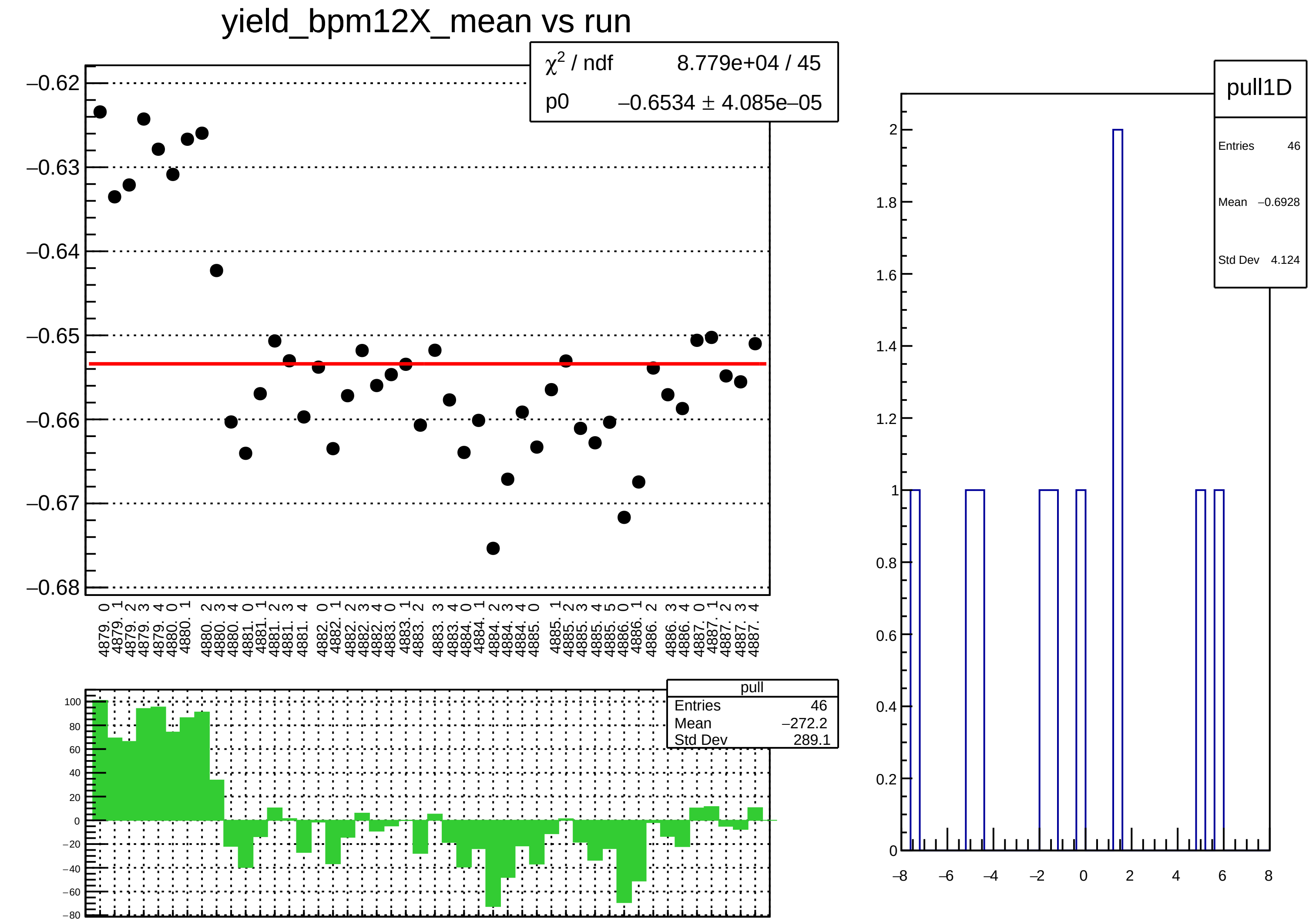
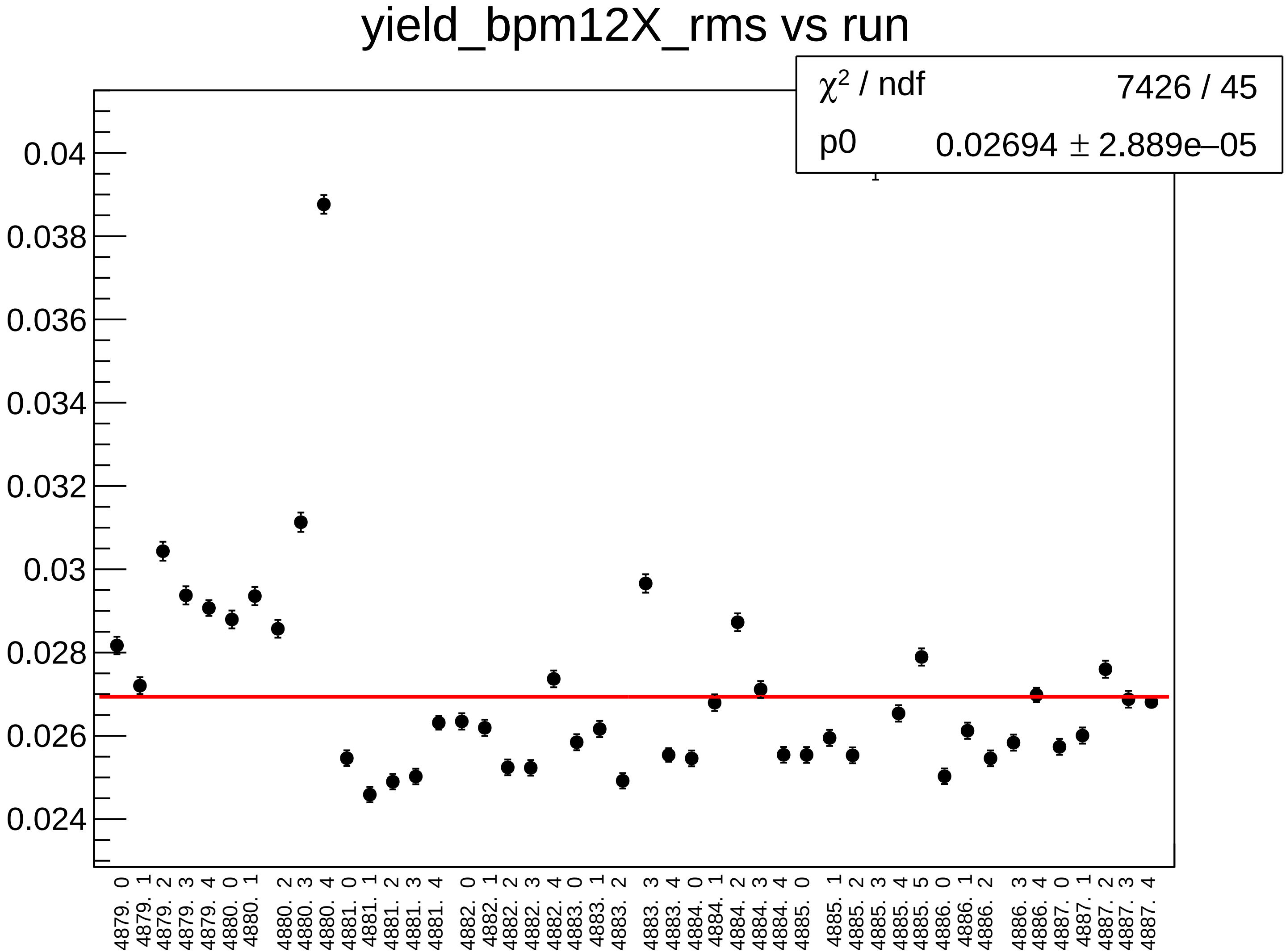
4887. 3
4887. 4



yield_bpm12X_mean vs run
χ^2 / ndf 8.779e+04 / 45
p0 −0.6534 ± 4.085e−05
pull
Entries 46
Mean −272.2
Std Dev 289.1
pull1D
Entries 46
Mean −0.6928
Std Dev 4.124



yield_bpm12X_rms vs run
χ^2 / ndf 7426 / 45
p0 0.02694 ± 2.889e−05
0.04
0.038
0.036
0.034
0.032
0.03
0.028
0.026
0.024
4879. 0
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4879. 4
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4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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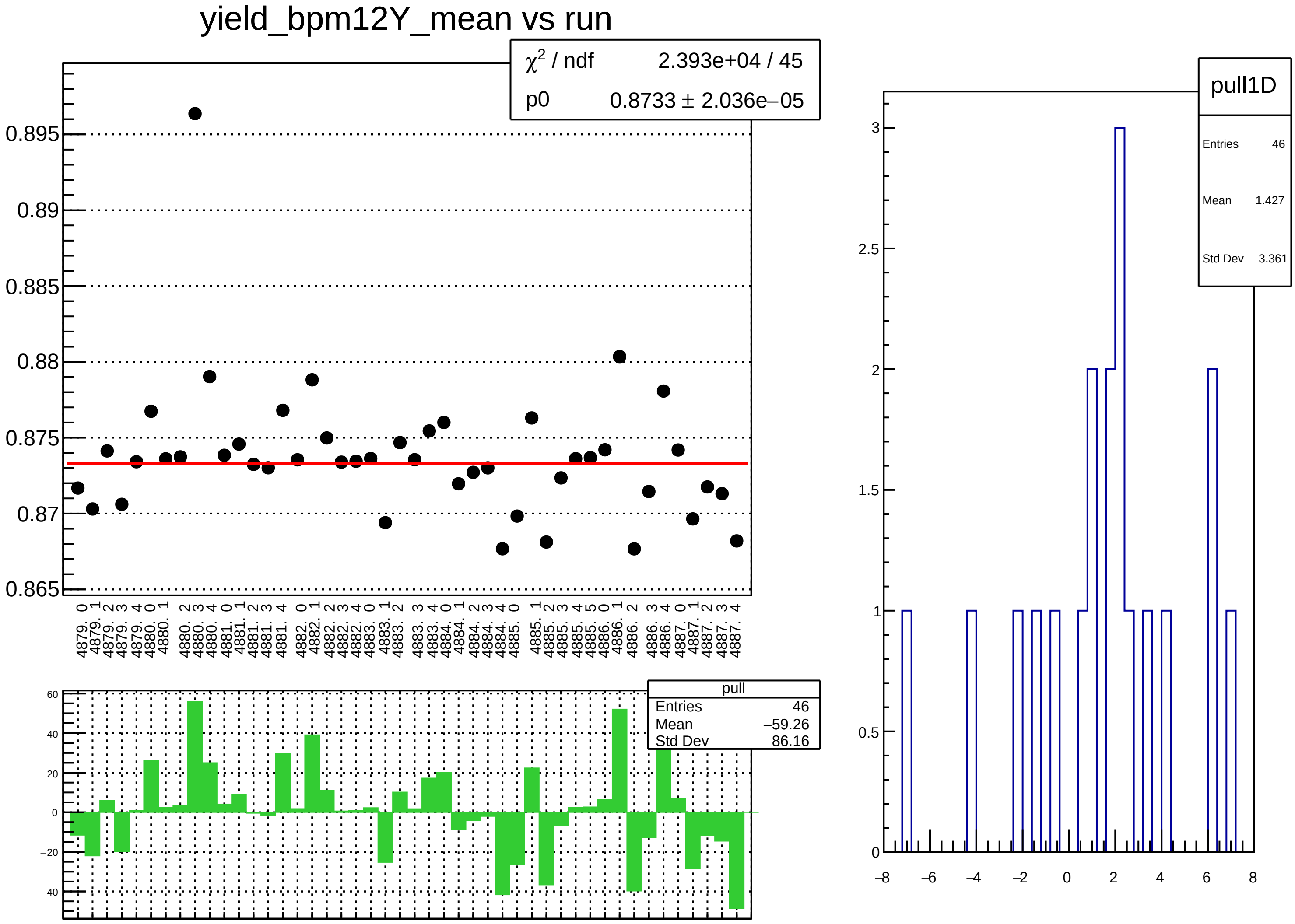
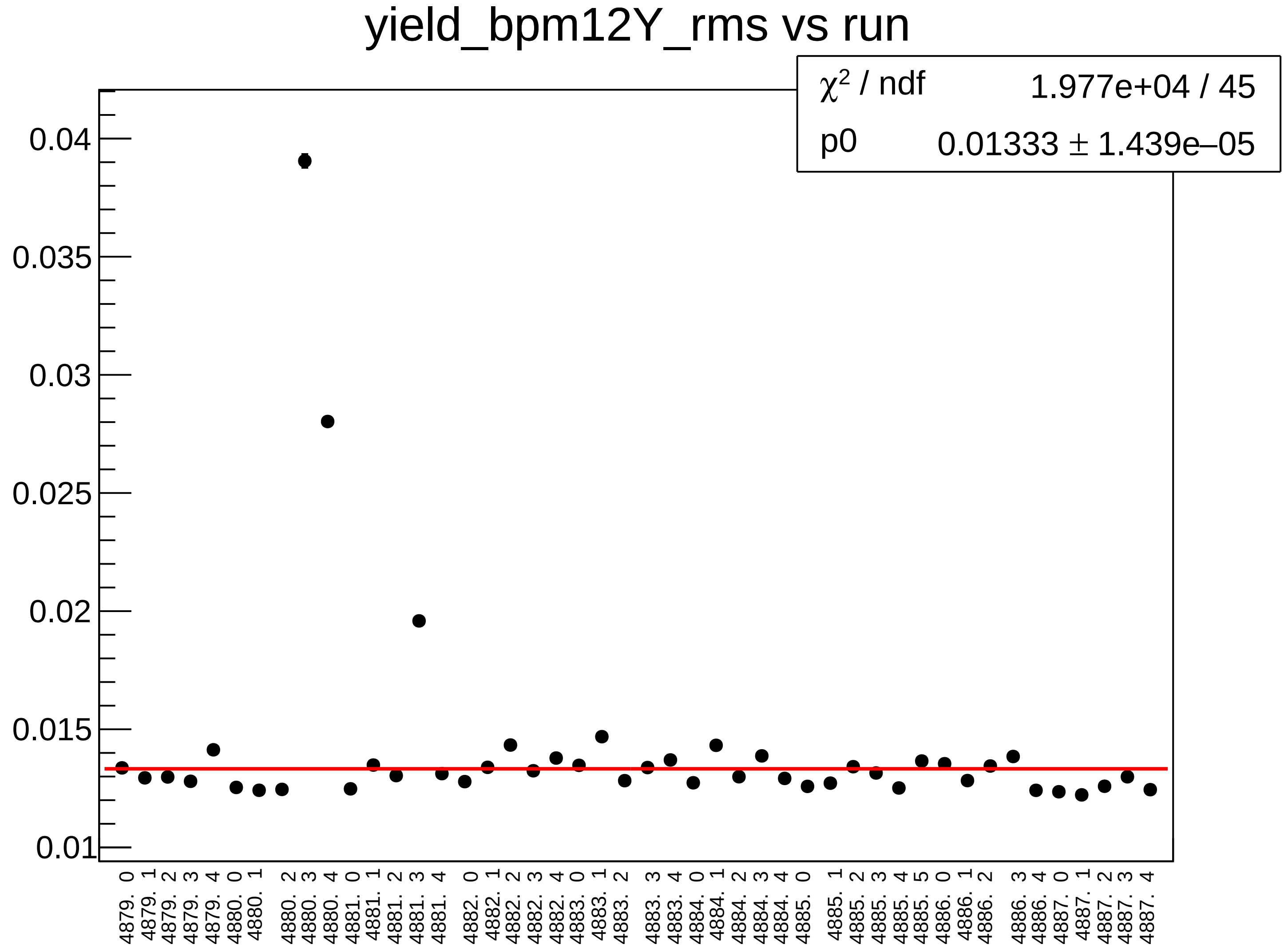
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


yield_bpm12Y_mean vs run
χ^2 / ndf 2.393e+04 / 45
p0 0.8733 ± 2.036e−05
pull
Entries 46
Mean −59.26
Std Dev 86.16
pull1D
Entries 46
Mean 1.427
Std Dev 3.361



yield_bpm12Y_rms vs run
χ2 / ndf 1.977e+04 / 45
p0 0.01333 ± 1.439e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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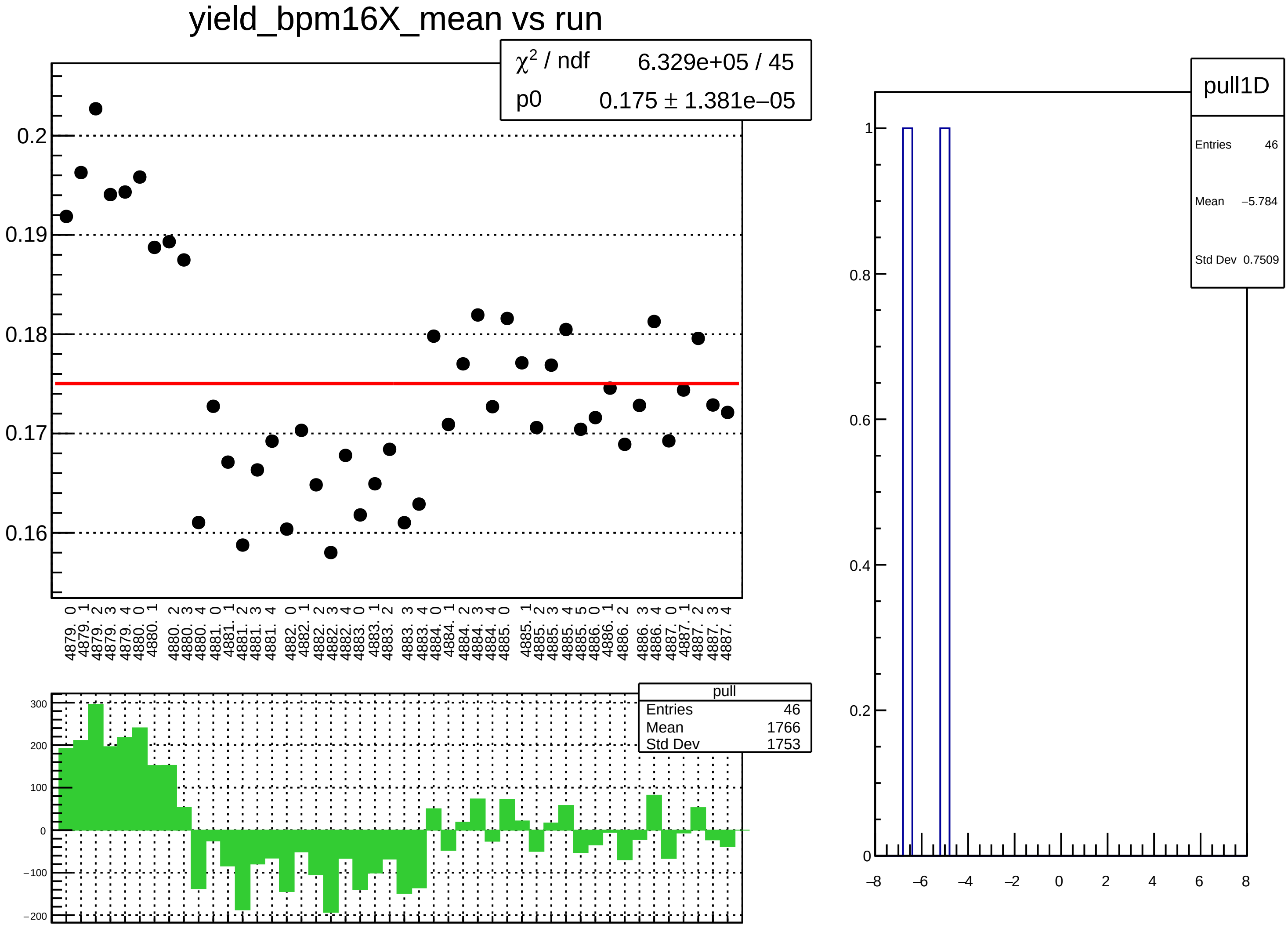
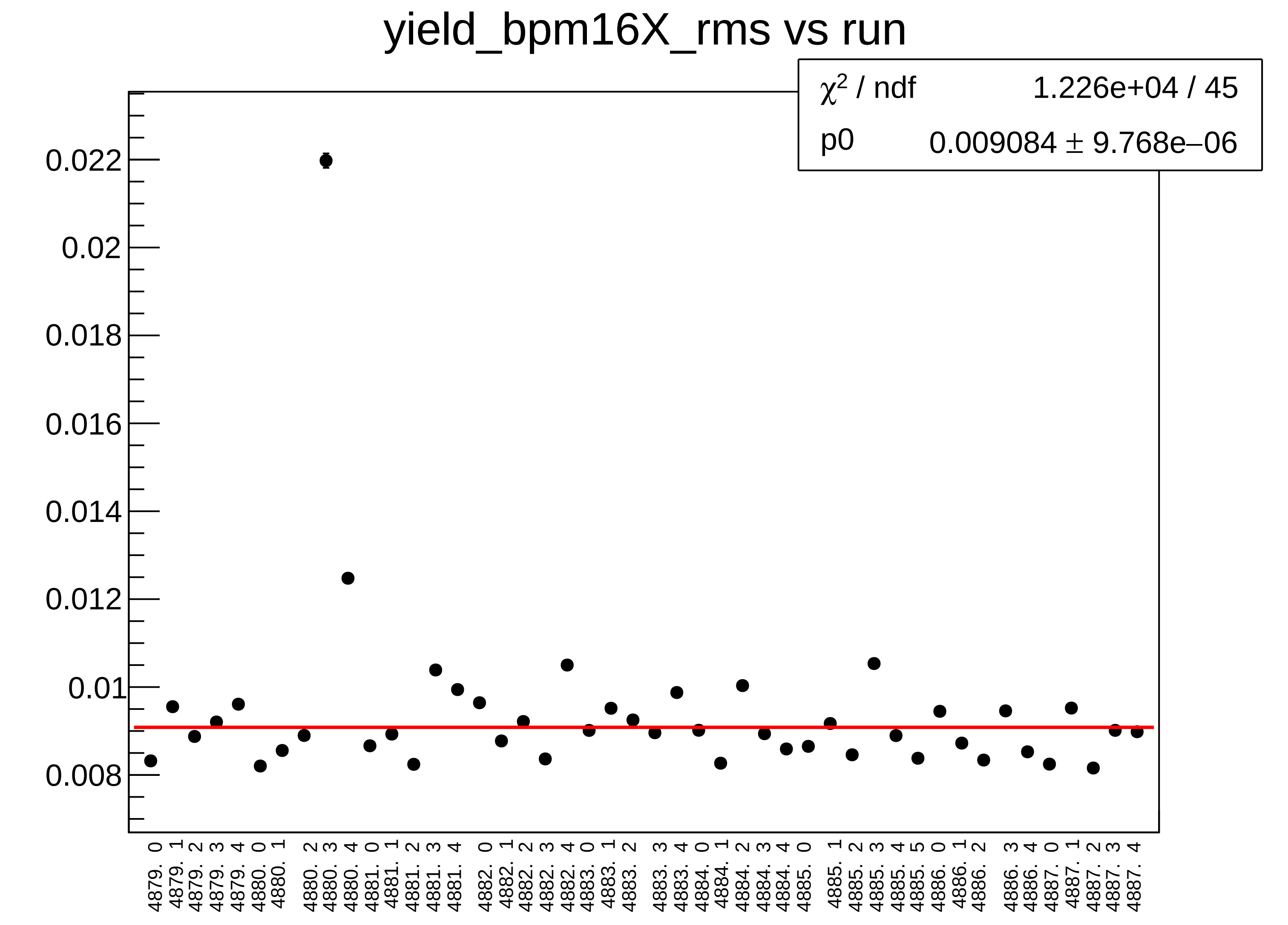
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_bpm16X_mean vs run
χ^2 / ndf 6.329e+05 / 45
p0 0.175 ± 1.381e−05
pull
Entries 46
Mean 1766
Std Dev 1753
pull1D
Entries 46
Mean −5.784
Std Dev 0.7509



yield_bpm16X_rms vs run
χ^2 / ndf 1.226e+04 / 45
p0 0.009084 ± 9.768e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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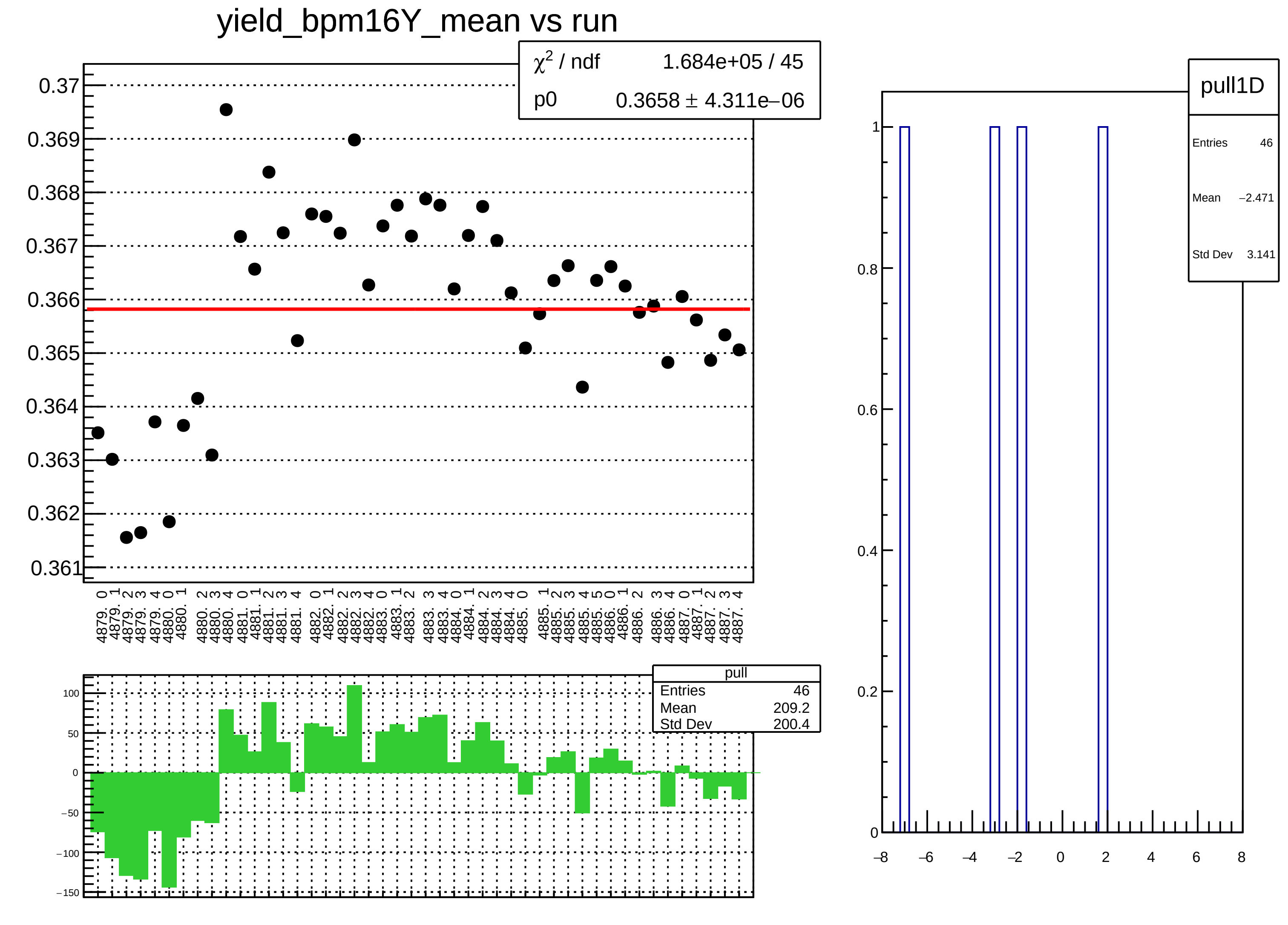
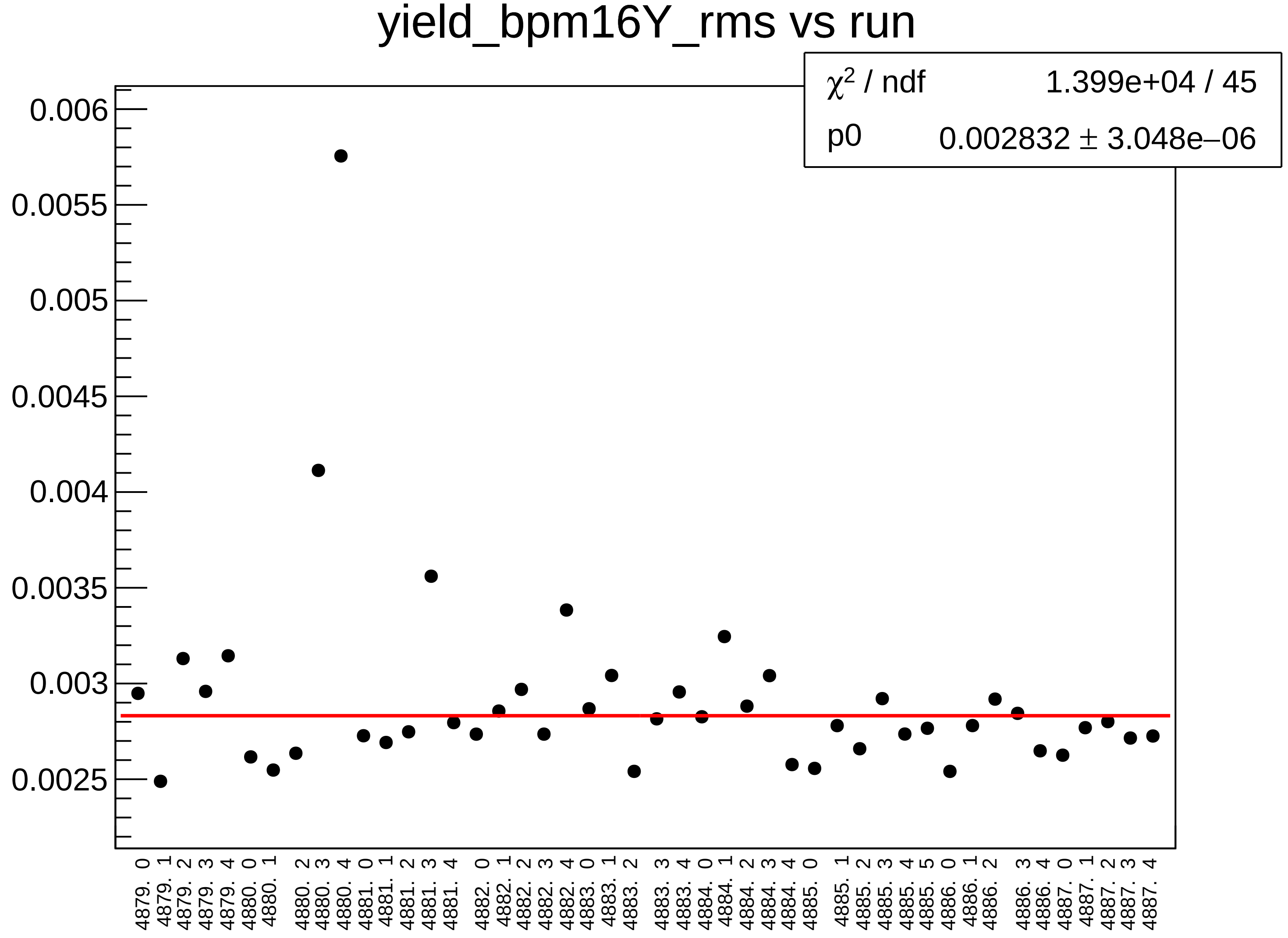
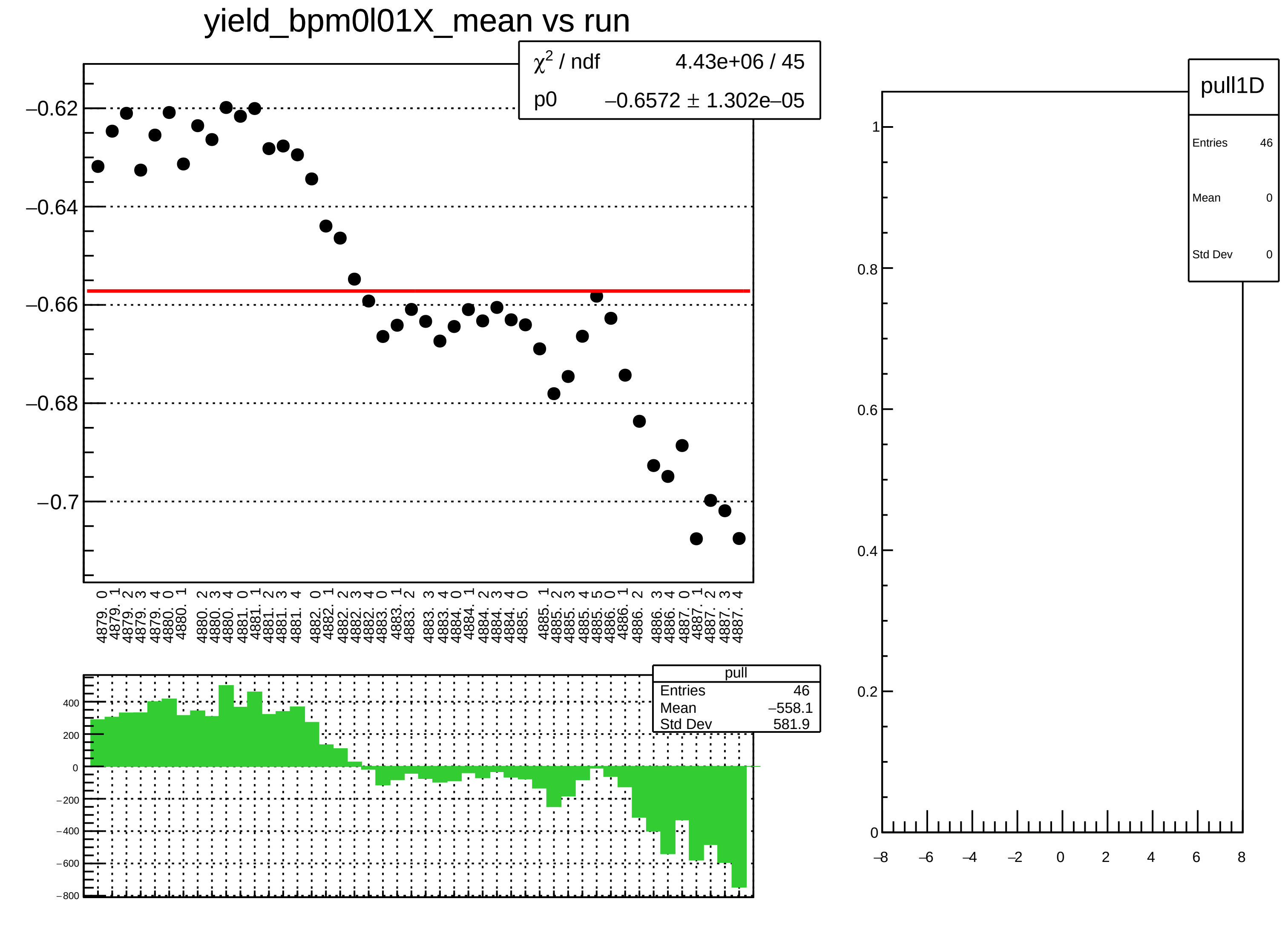
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

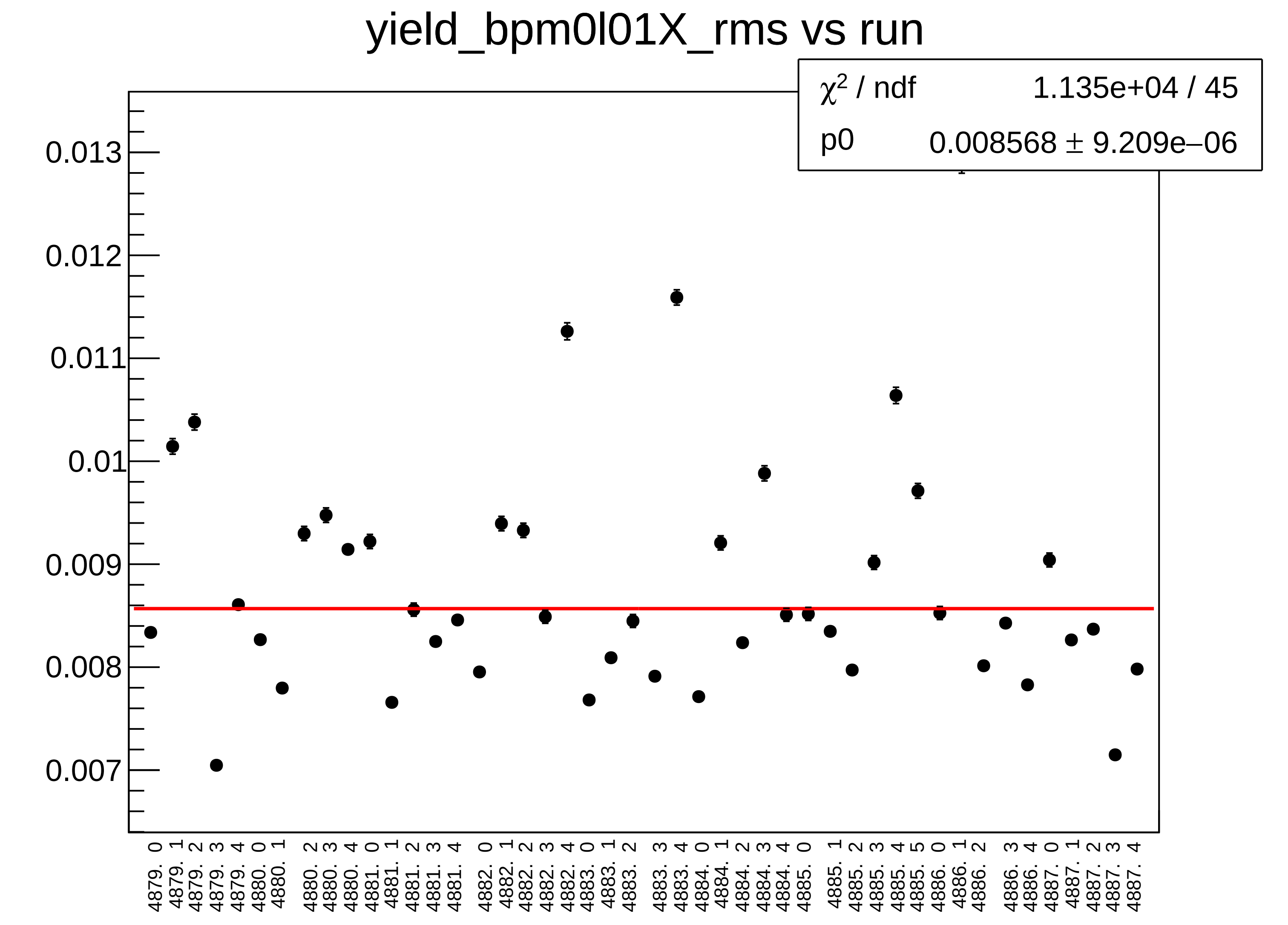


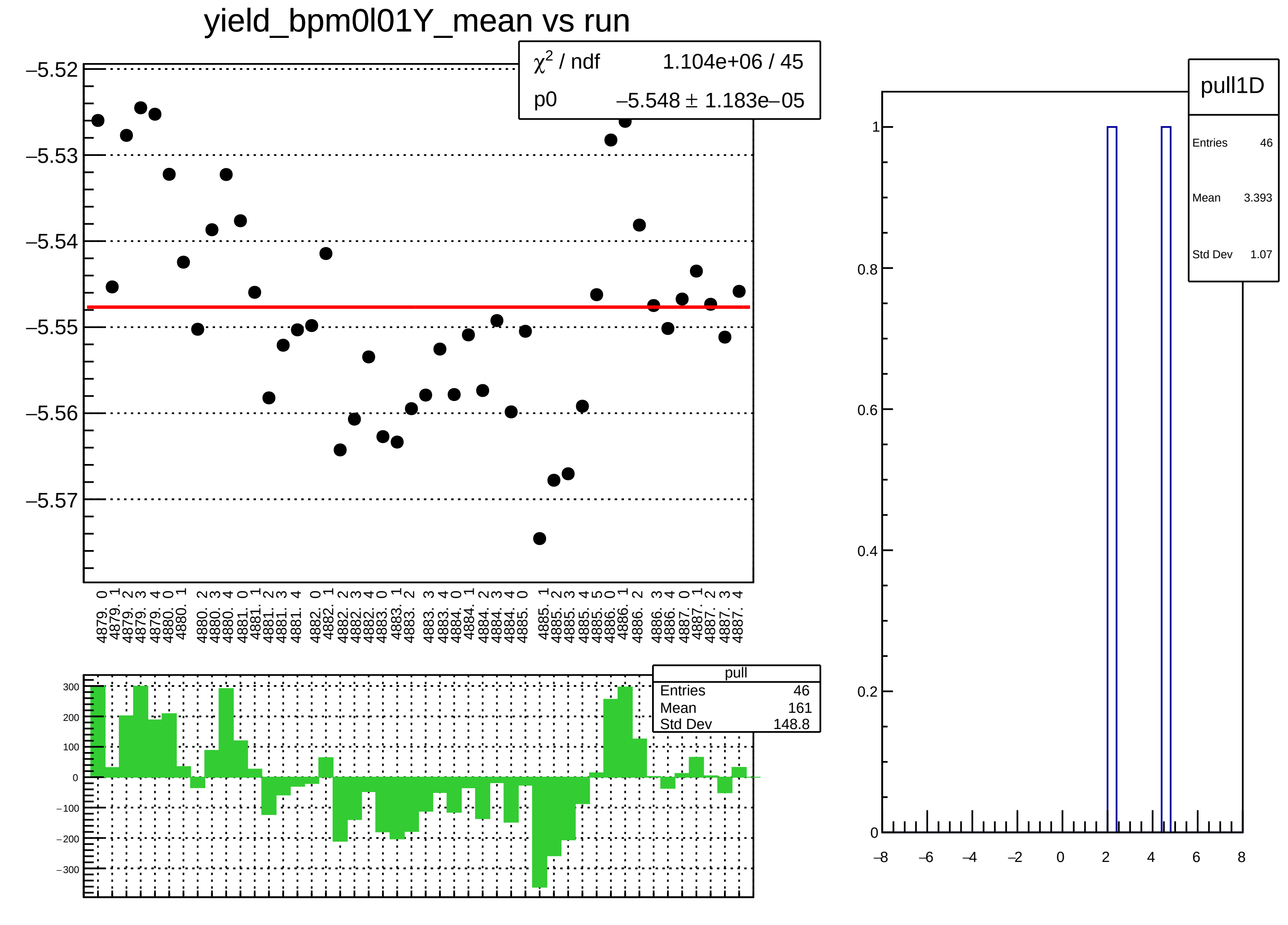
yield_bpm16Y_mean vs run
χ2 / ndf 1.684e+05 / 45
p0 0.3658 ± 4.311e−06
pull
Entries 46
Mean 209.2
Std Dev 200.4
pull1D
Entries 46
Mean −2.471
Std Dev 3.141

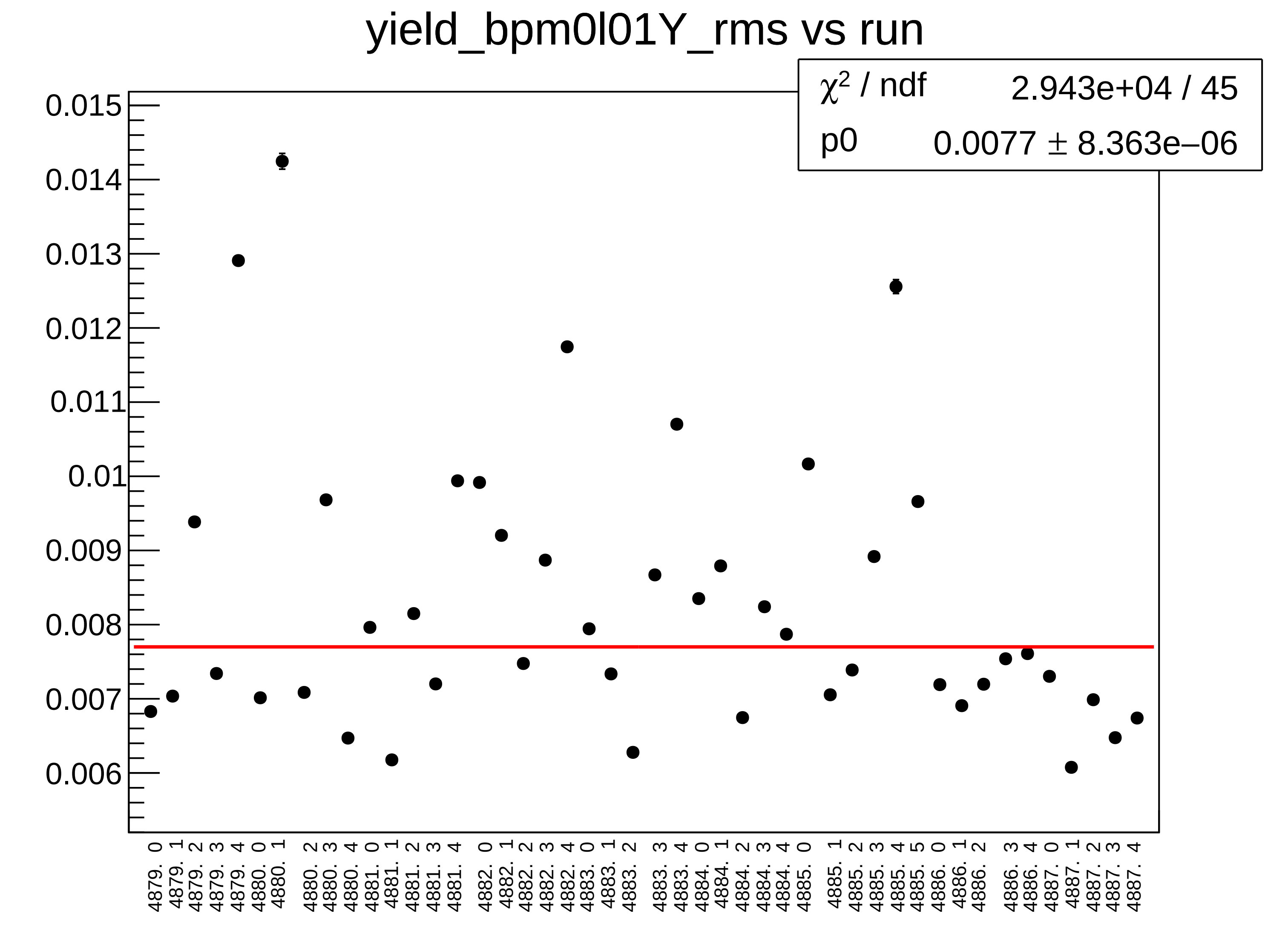

yield_bpm16Y_rms vs run
χ^2 / ndf 1.399e+04 / 45
p0 0.002832 ± 3.048e−06
0.006
0.0055
0.005
0.0045
0.004
0.0035
0.003
0.0025
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



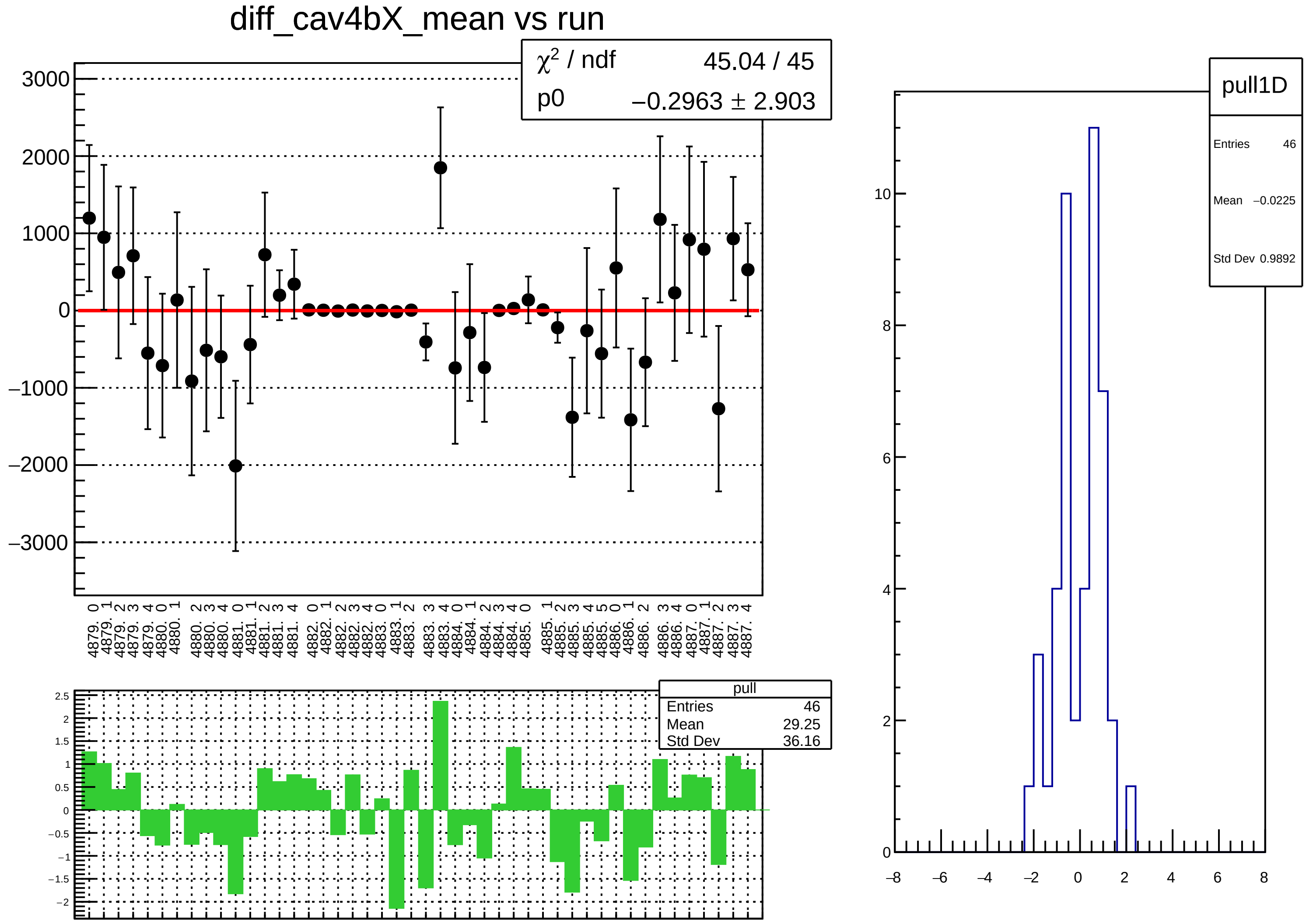
yield_bpm0l01X_mean vs run
χ^2 / ndf 4.43e+06 / 45
p0 −0.6572 ± 1.302e−05
−0.62
−0.64
−0.66
−0.68
−0.7
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −558.1
Std Dev 581.9
400
200
0
−200
−400
−600
−800
pull1D
Entries 46
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm0l01X_rms vs run
χ^2 / ndf 1.135e+04 / 45
p0 0.008568 ± 9.209e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

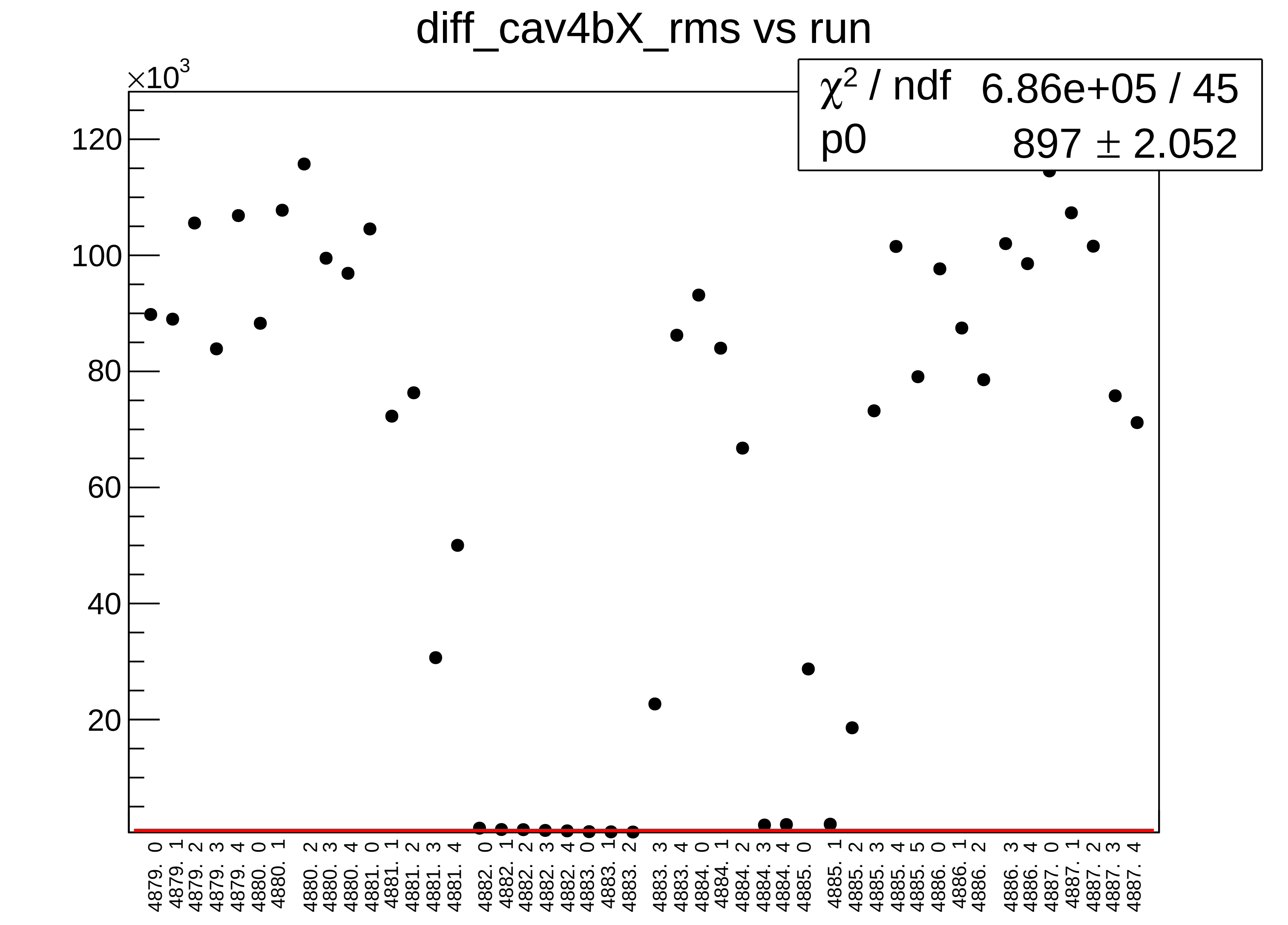

yield_bpm0l01Y_mean vs run
χ^2 / ndf 1.104e+06 / 45
p0 −5.548 ± 1.183e−05
−5.52
−5.53
−5.54
−5.55
−5.56
−5.57
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 161
Std Dev 148.8
300
200
100
0
−100
−200
−300
pull1D
Entries 46
Mean 3.393
Std Dev 1.07
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



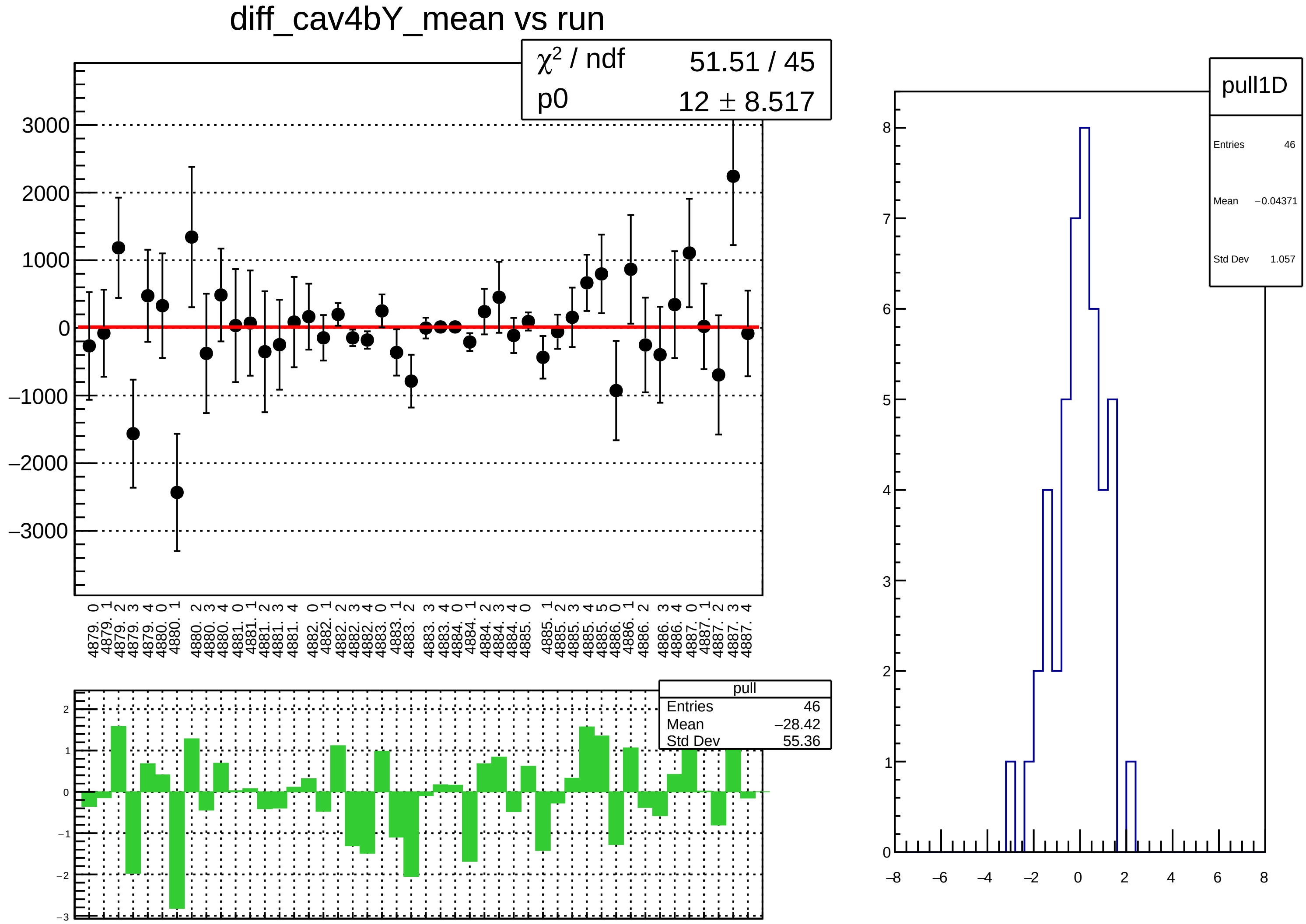
yield_bpm0l01Y_rms vs run
χ^2 / ndf 2.943e+04 / 45
p0 0.0077 ± 8.363e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



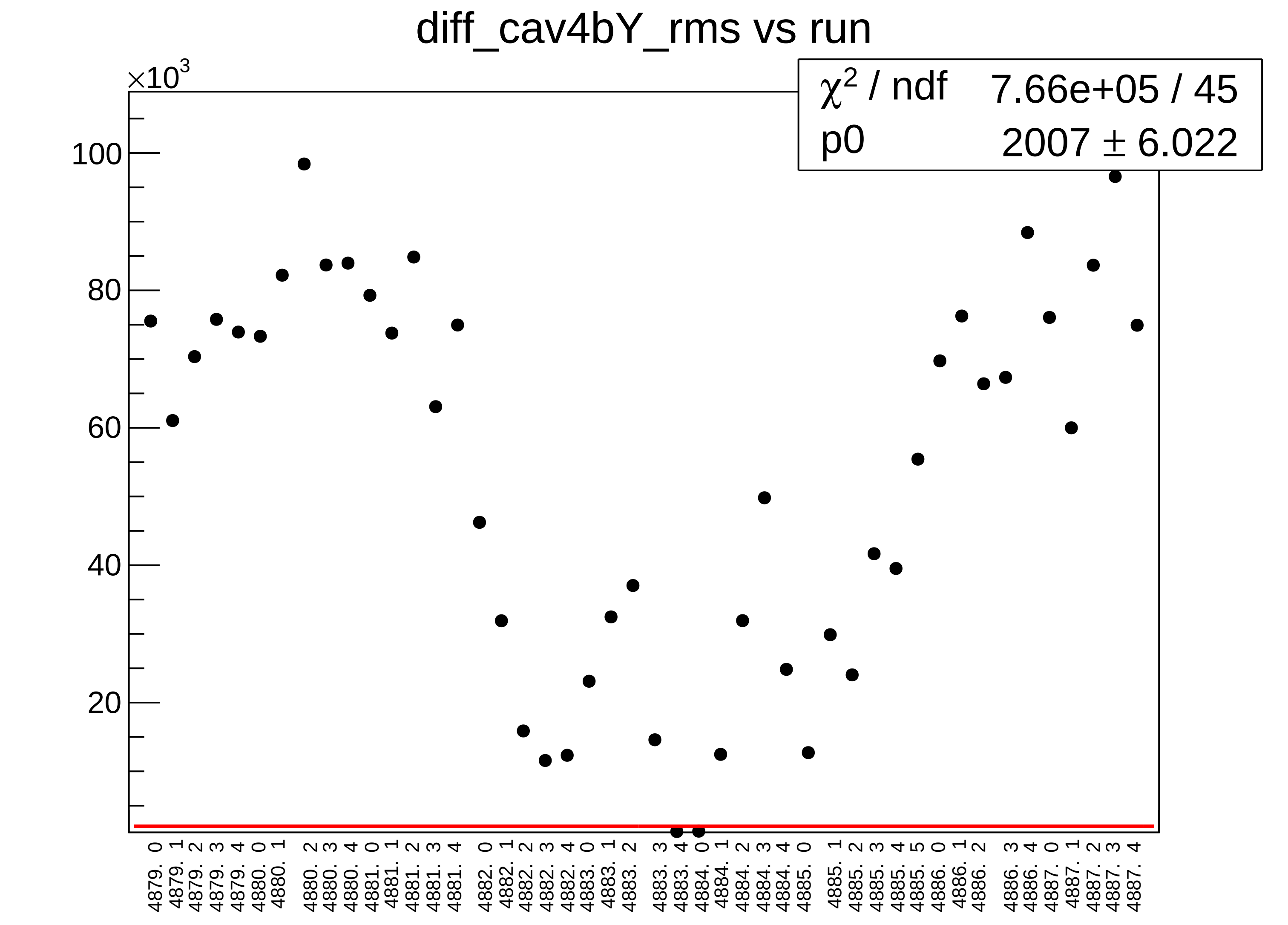
diff_cav4bX_mean vs run
χ^2 / ndf 45.04 / 45
p0 −0.2963 ± 2.903
pull
Entries 46
Mean 29.25
Std Dev 36.16
pull1D
Entries 46
Mean −0.0225
Std Dev 0.9892

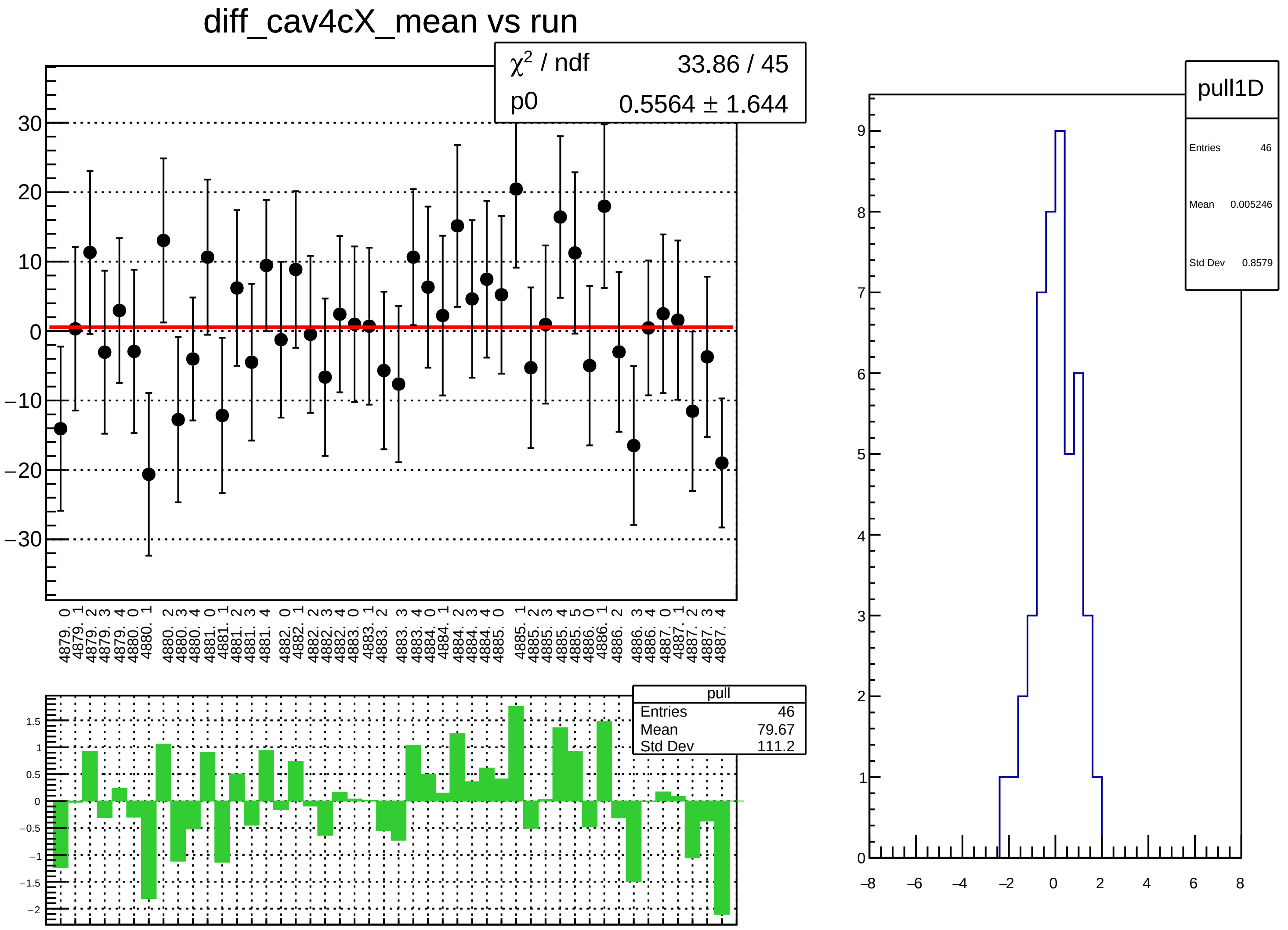


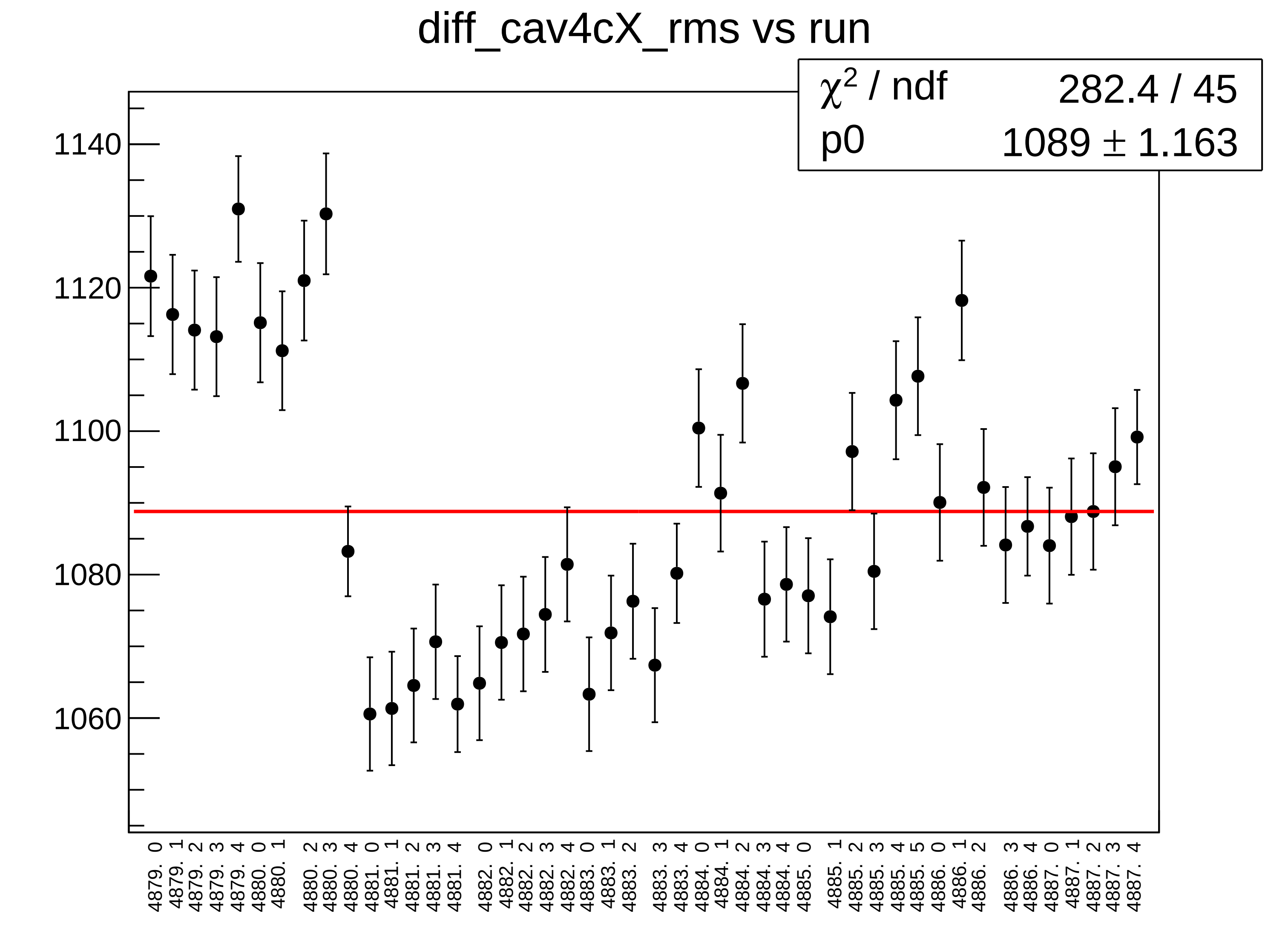
diff_cav4bX_rms vs run
×10^3
χ2 / ndf 6.86e+05 / 45
p0 897 ± 2.052
120
100
80
60
40
20
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



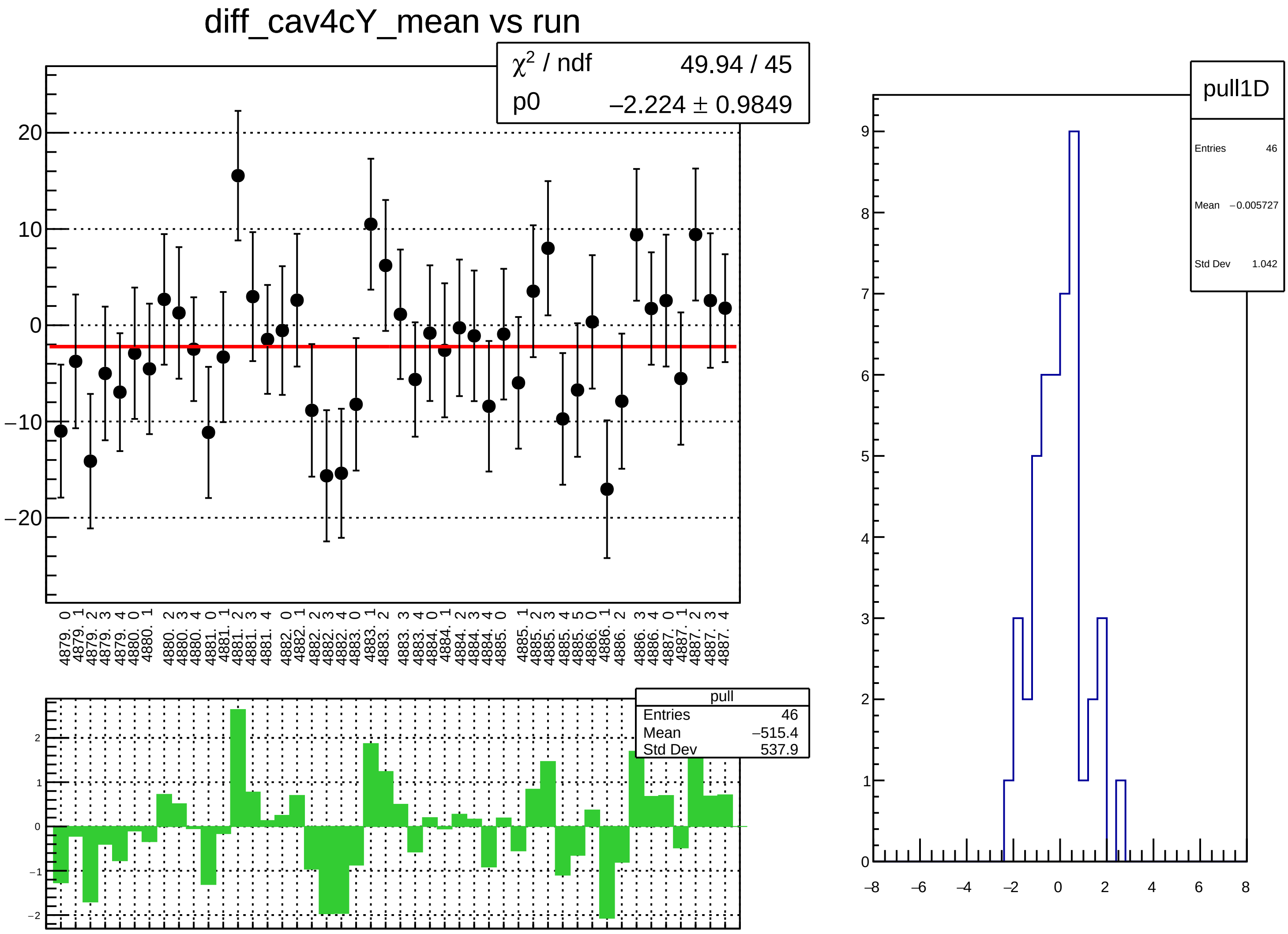
diff_cav4bY_mean vs run
χ^2 / ndf 51.51 / 45
p0 12 ± 8.517
pull
Entries 46
Mean −28.42
Std Dev 55.36
pull1D
Entries 46
Mean −0.04371
Std Dev 1.057


diff_cav4bY_rms vs run
$\times 10^3$
χ^2 / ndf 7.66e+05 / 45
p0 2007 ± 6.022
100
80
60
40
20
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

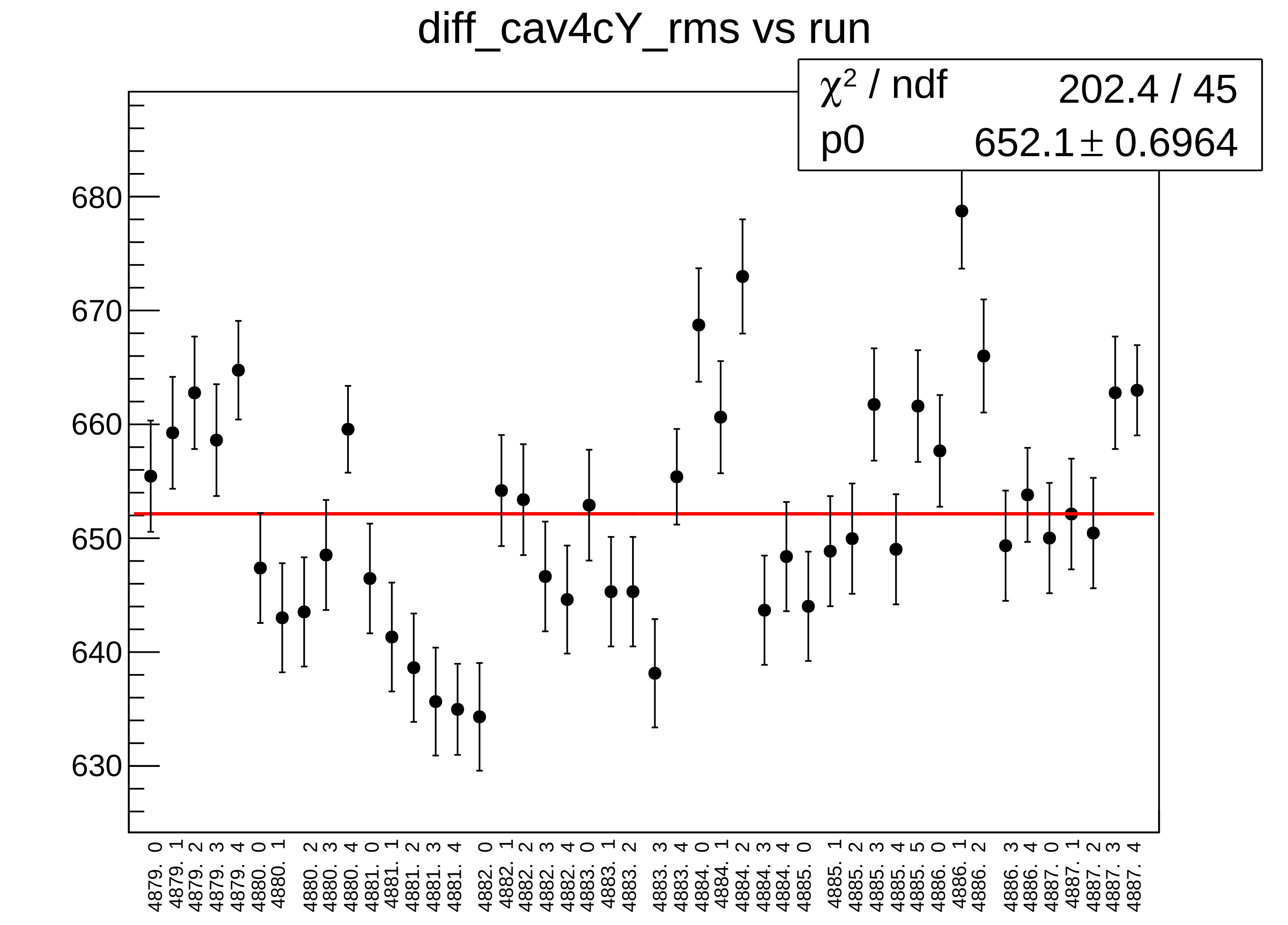

diff_cav4cX_mean vs run
χ^2 / ndf 33.86 / 45
p0 0.5564 ± 1.644
pull
Entries 46
Mean 79.67
Std Dev 111.2
pull1D
Entries 46
Mean 0.005246
Std Dev 0.8579

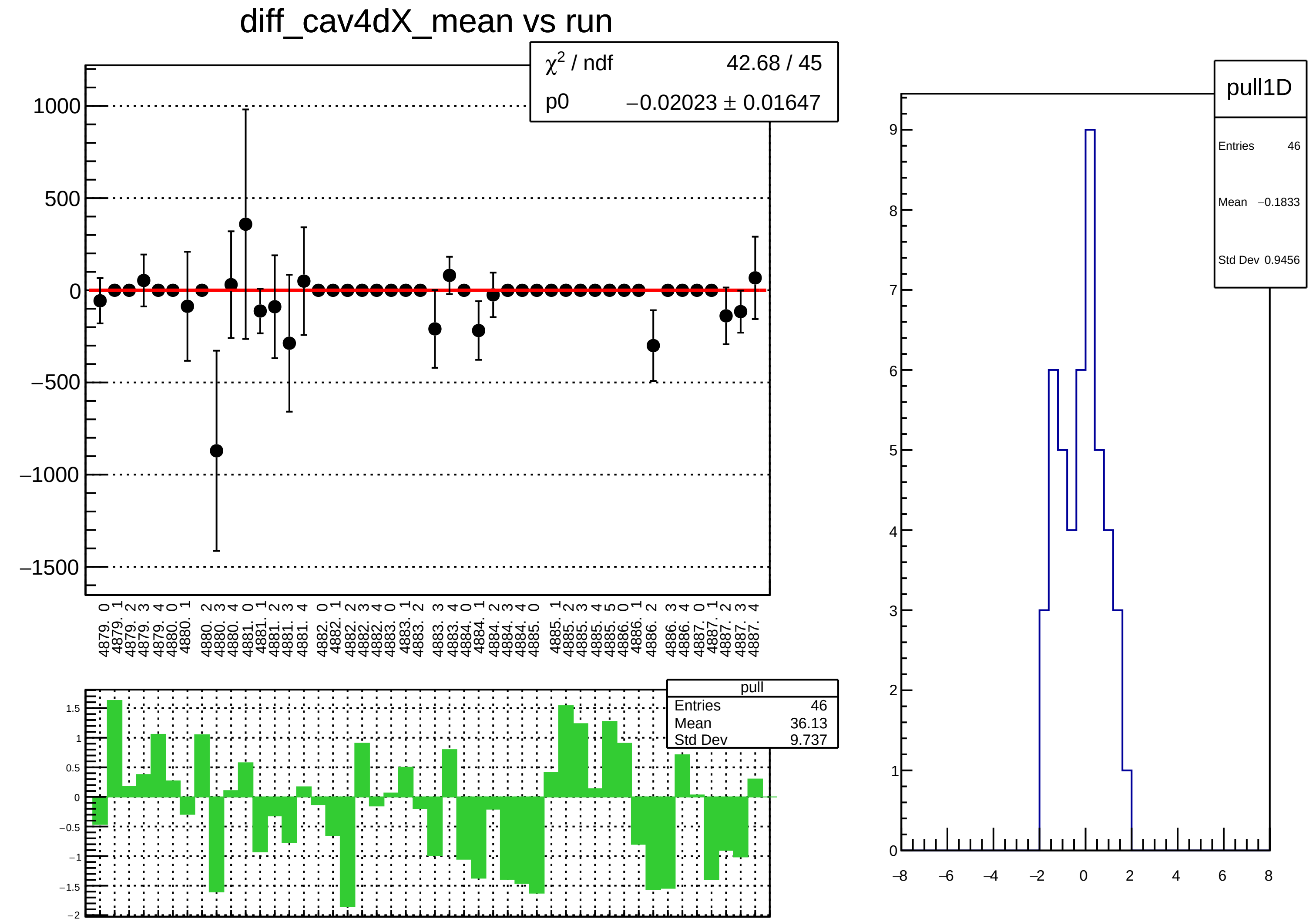


diff_cav4cX_rms vs run
χ^2 / ndf 282.4 / 45
p0 1089 ± 1.163
1140
1120
1100
1080
1060
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

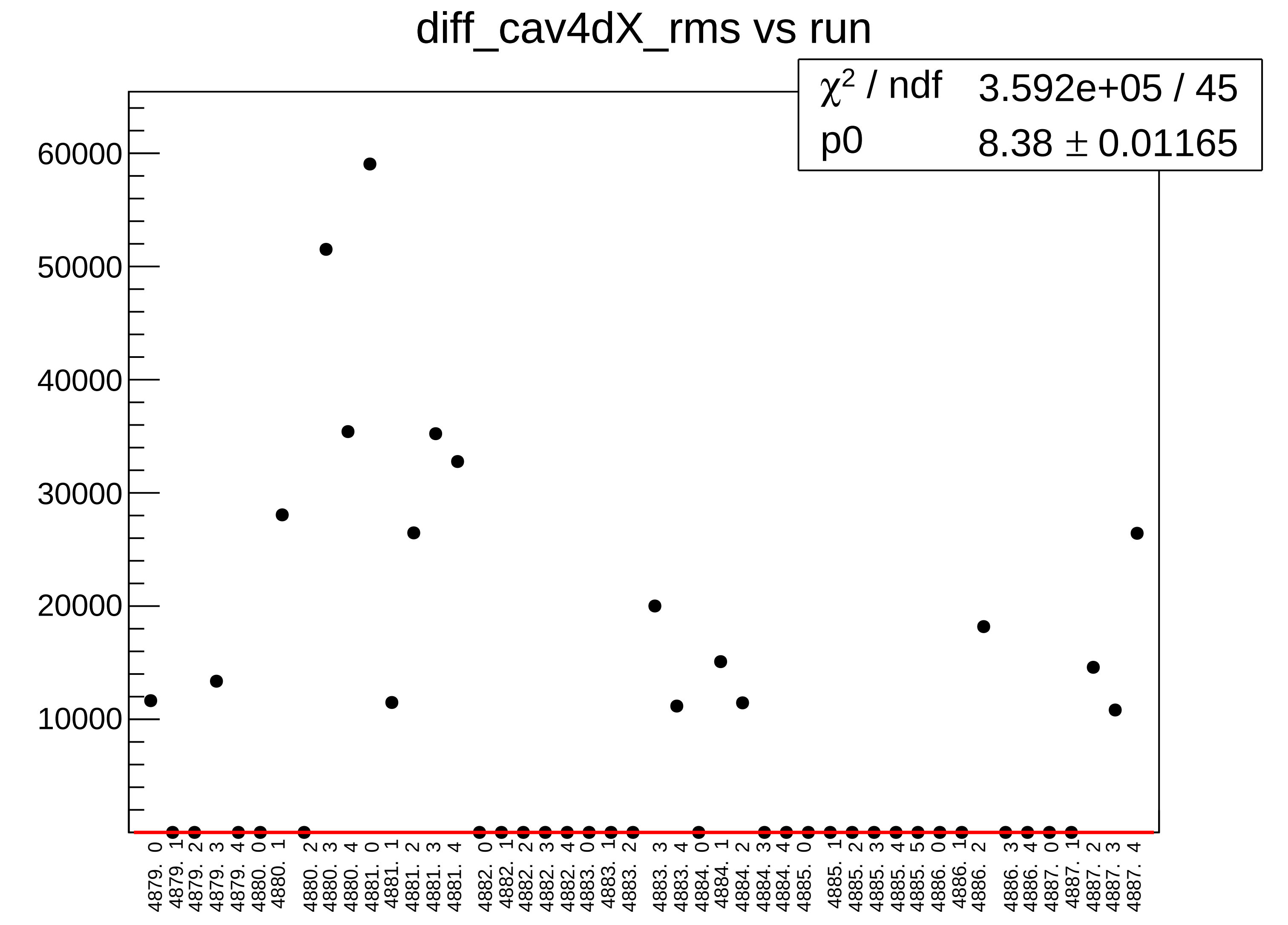


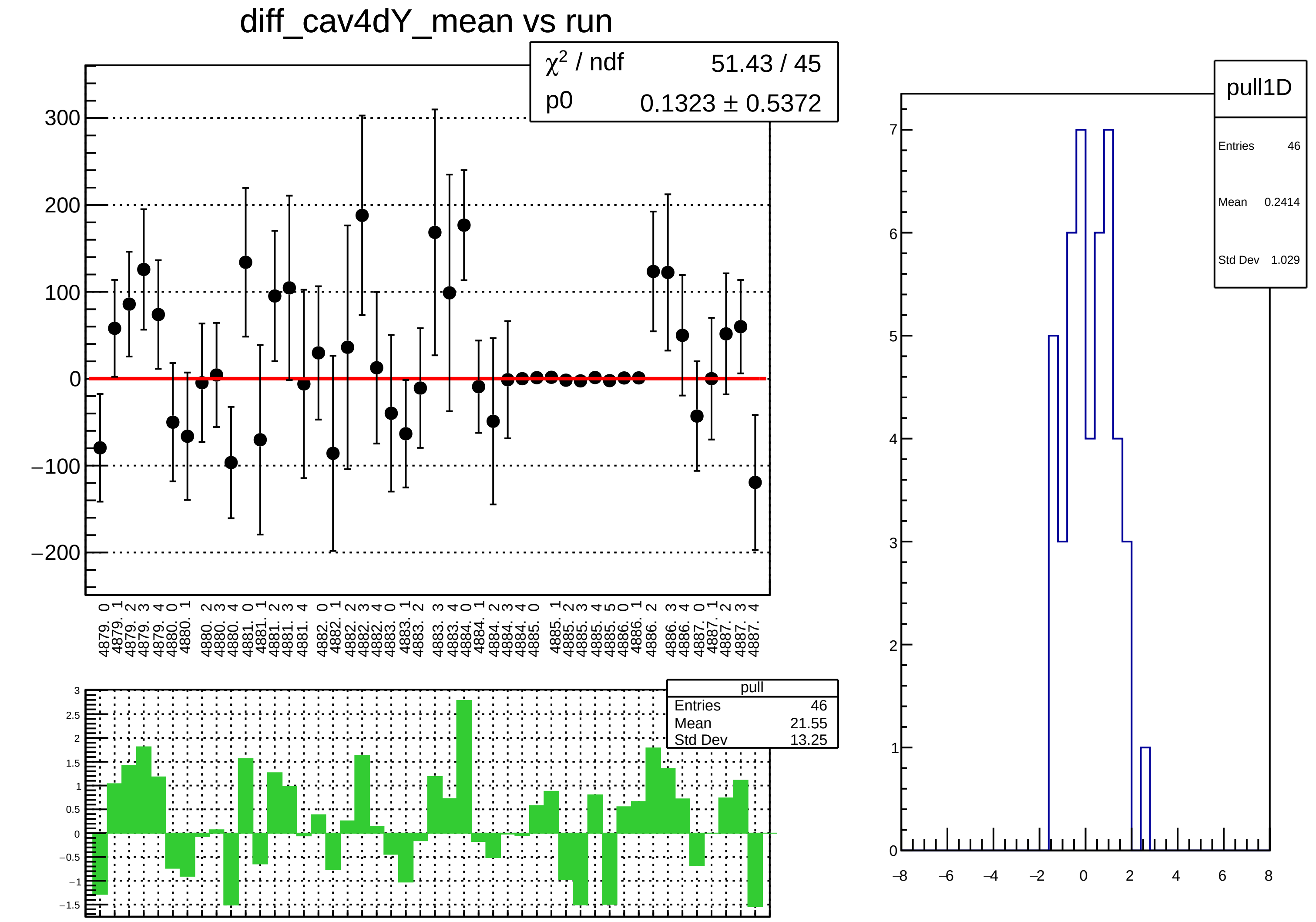
diff_cav4cY_mean vs run
χ2 / ndf 49.94 / 45
p0 −2.224 ± 0.9849
pull
Entries 46
Mean −515.4
Std Dev 537.9
pull1D
Entries 46
Mean −0.005727
Std Dev 1.042

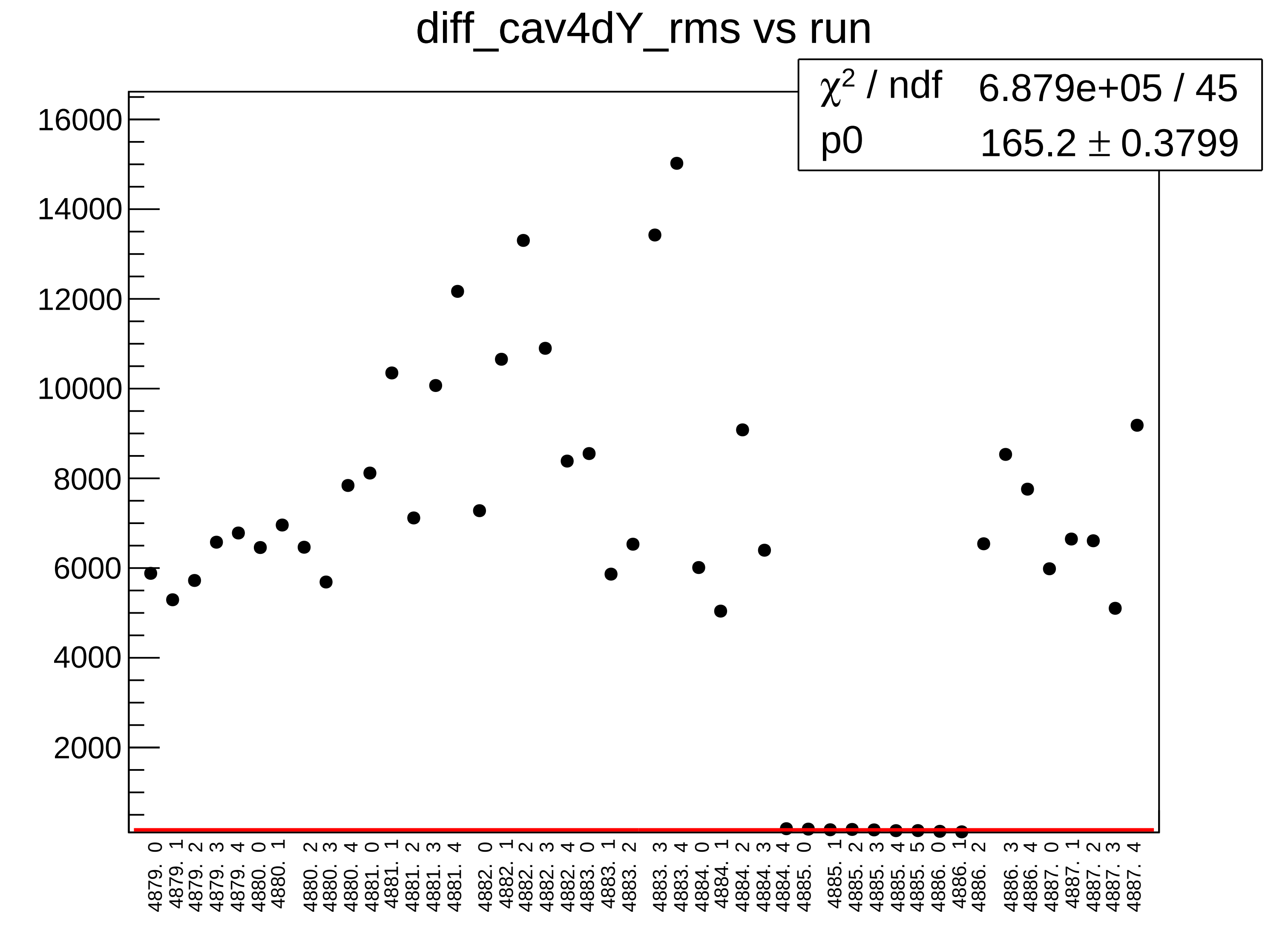

diff_cav4cY_rms vs run
χ2 / ndf 202.4 / 45
p0 652.1 ± 0.6964
680
670
660
650
640
630
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



diff_cav4dX_mean vs run
χ^2 / ndf 42.68 / 45
p0 −0.02023 ± 0.01647
pull
Entries 46
Mean 36.13
Std Dev 9.737
pull1D
Entries 46
Mean −0.1833
Std Dev 0.9456


diff_cav4dX_rms vs run
χ^2 / ndf 3.592e+05 / 45
p0 8.38 ± 0.01165
60000
50000
40000
30000
20000
10000


diff_cav4dY_mean vs run
χ^2 / ndf 51.43 / 45
p0 0.1323 ± 0.5372
pull
Entries 46
Mean 21.55
Std Dev 13.25
pull1D
Entries 46
Mean 0.2414
Std Dev 1.029


diff_cav4dY_rms vs run
χ^2 / ndf 6.879e+05 / 45
p0 165.2 ± 0.3799
16000
14000
12000
10000
8000
6000
4000
2000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
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4883. 0
4883. 1
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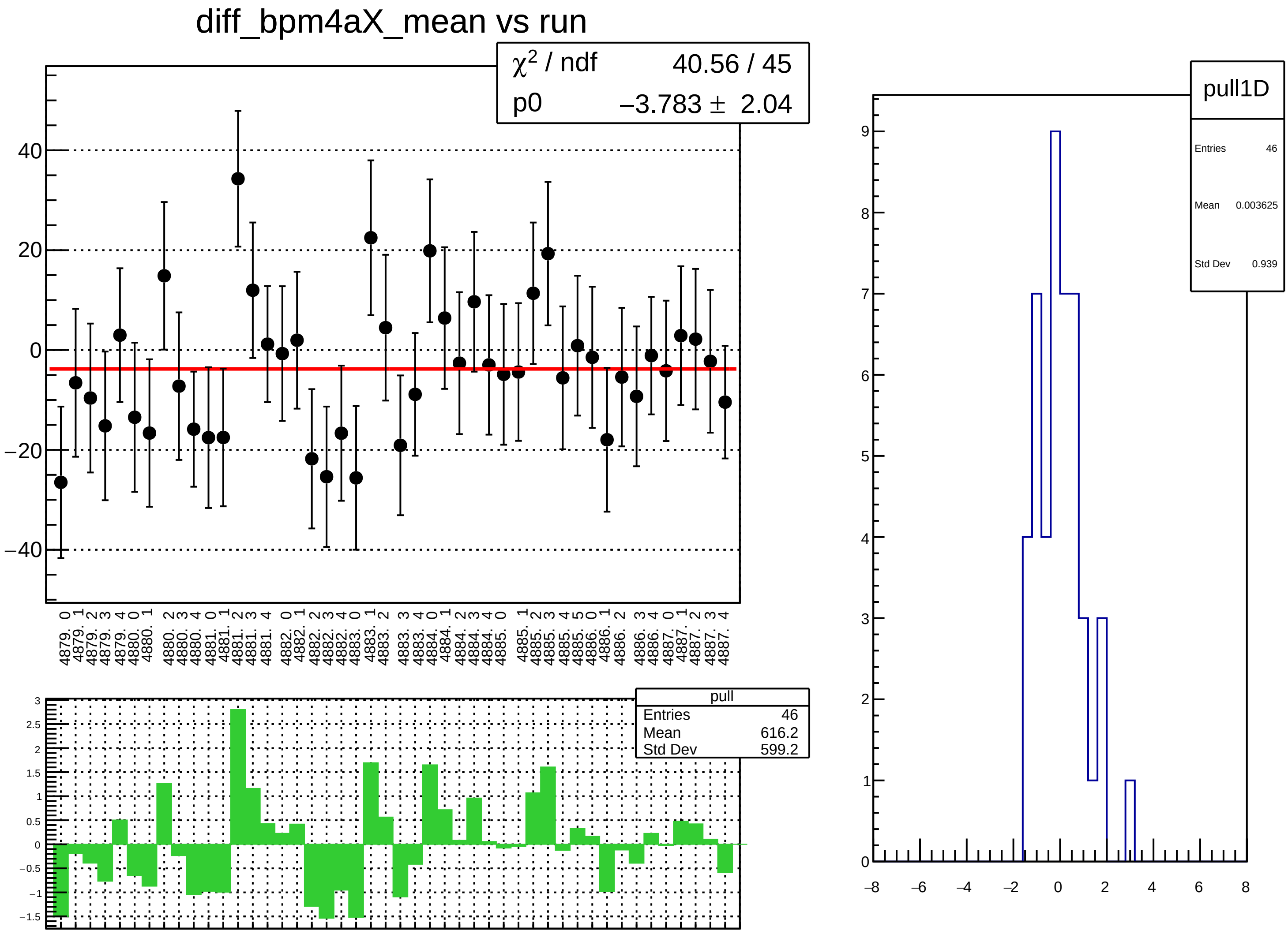
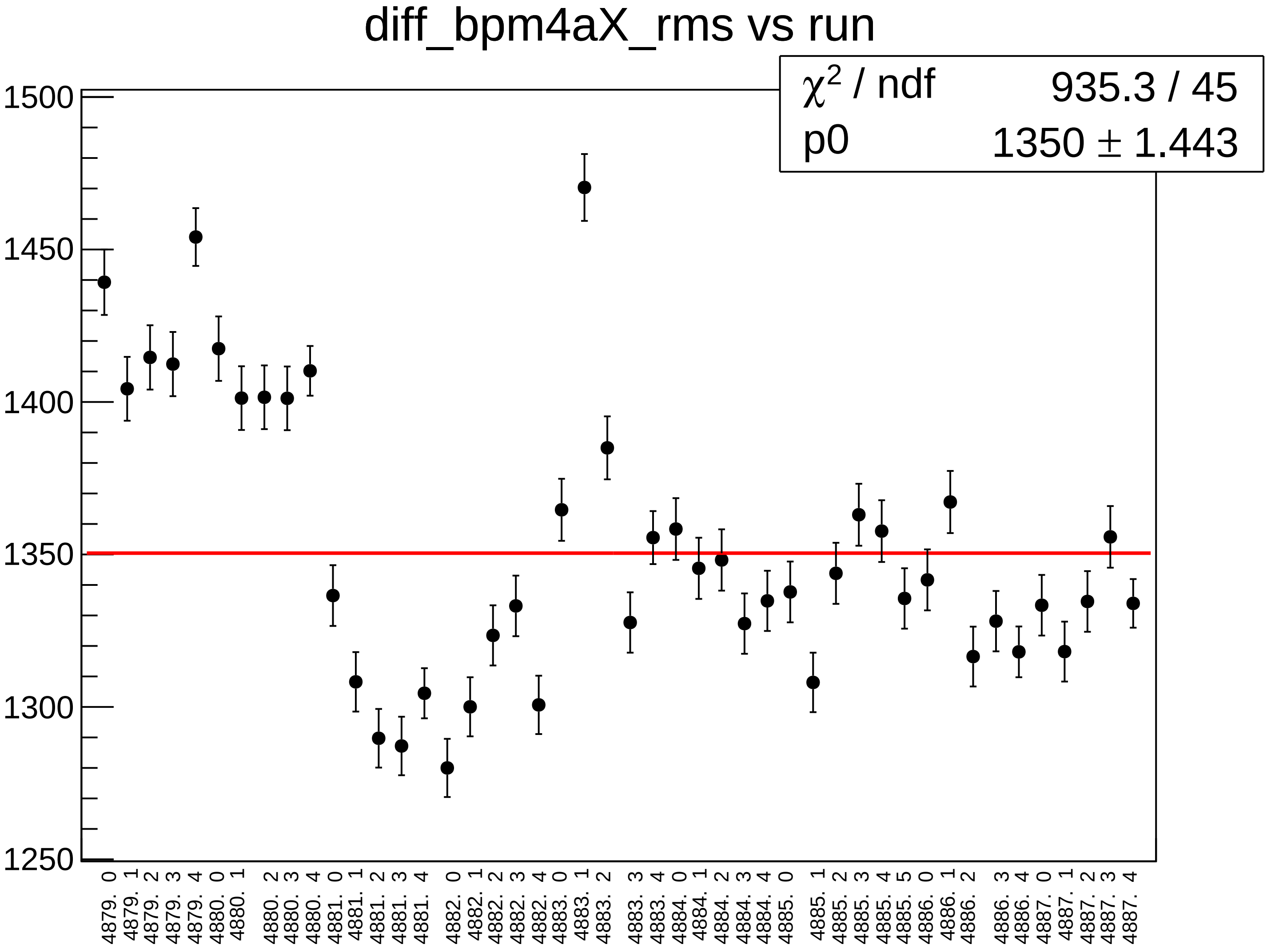
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



diff_bpm4aX_mean vs run
χ^2 / ndf 40.56 / 45
p0 −3.783 ± 2.04
pull
Entries 46
Mean 616.2
Std Dev 599.2
pull1D
Entries 46
Mean 0.003625
Std Dev 0.939



diff_bpm4aX_rms vs run
χ^2 / ndf 935.3 / 45
p0 1350 ± 1.443
1500
1450
1400
1350
1300
1250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
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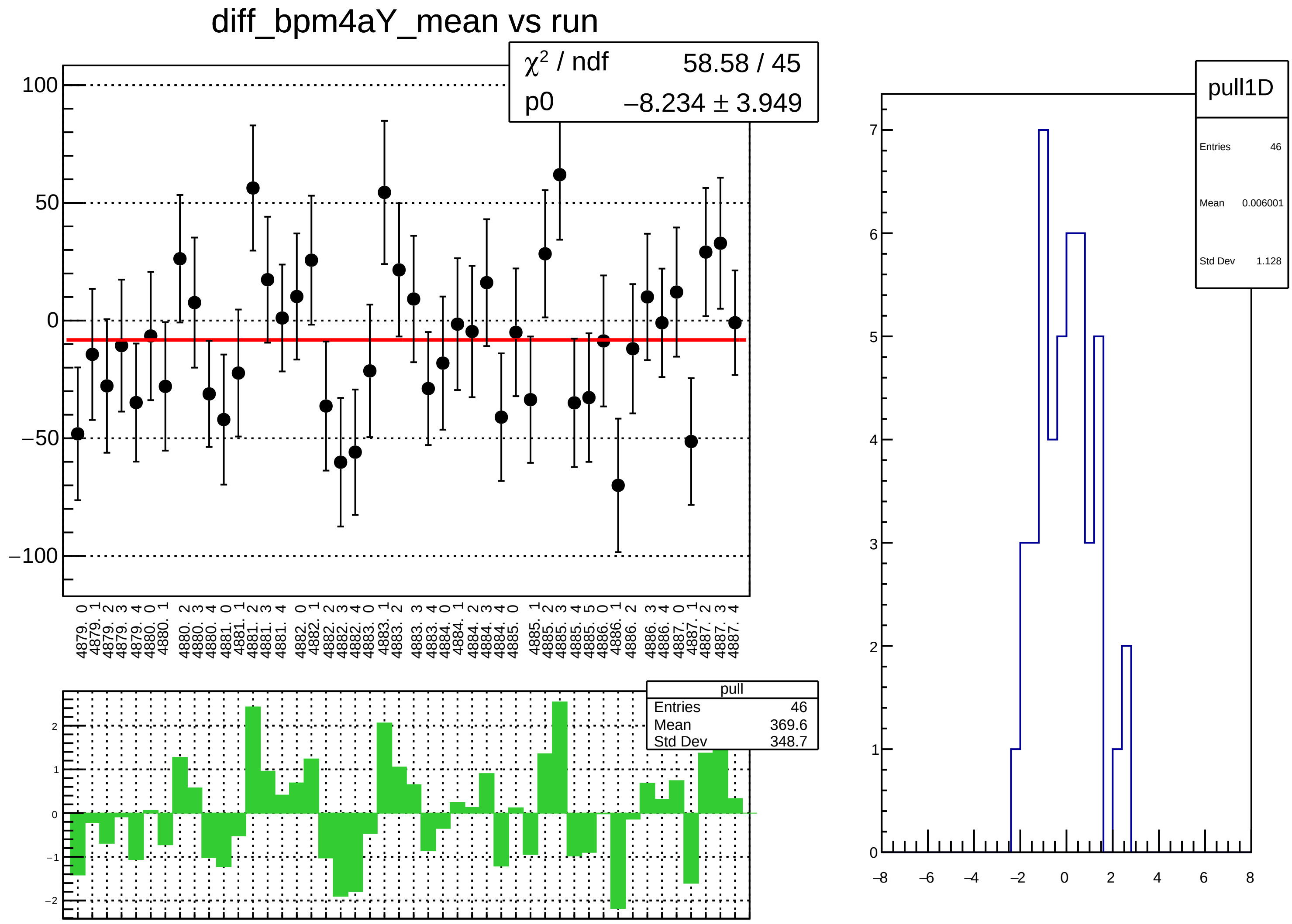
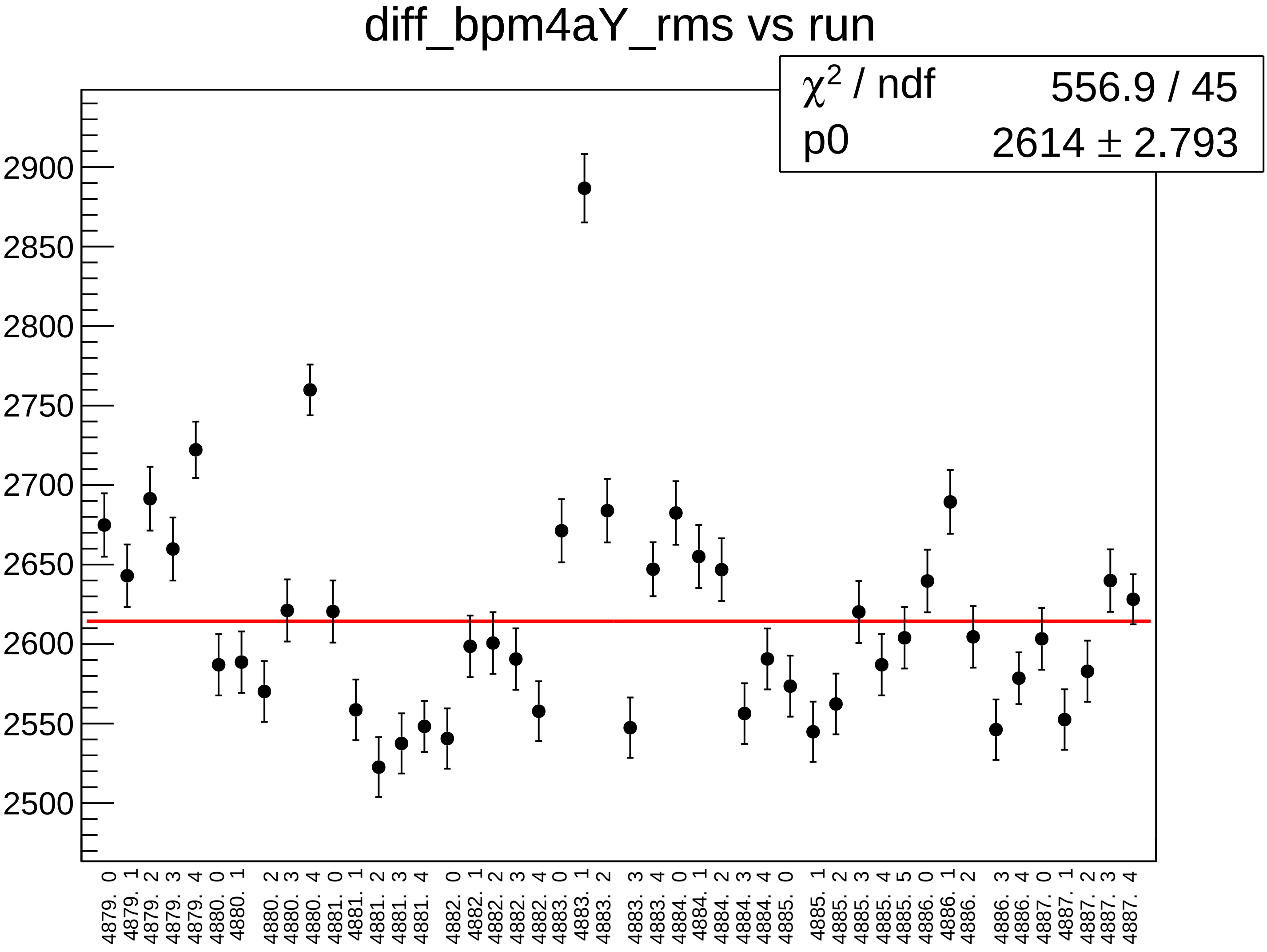
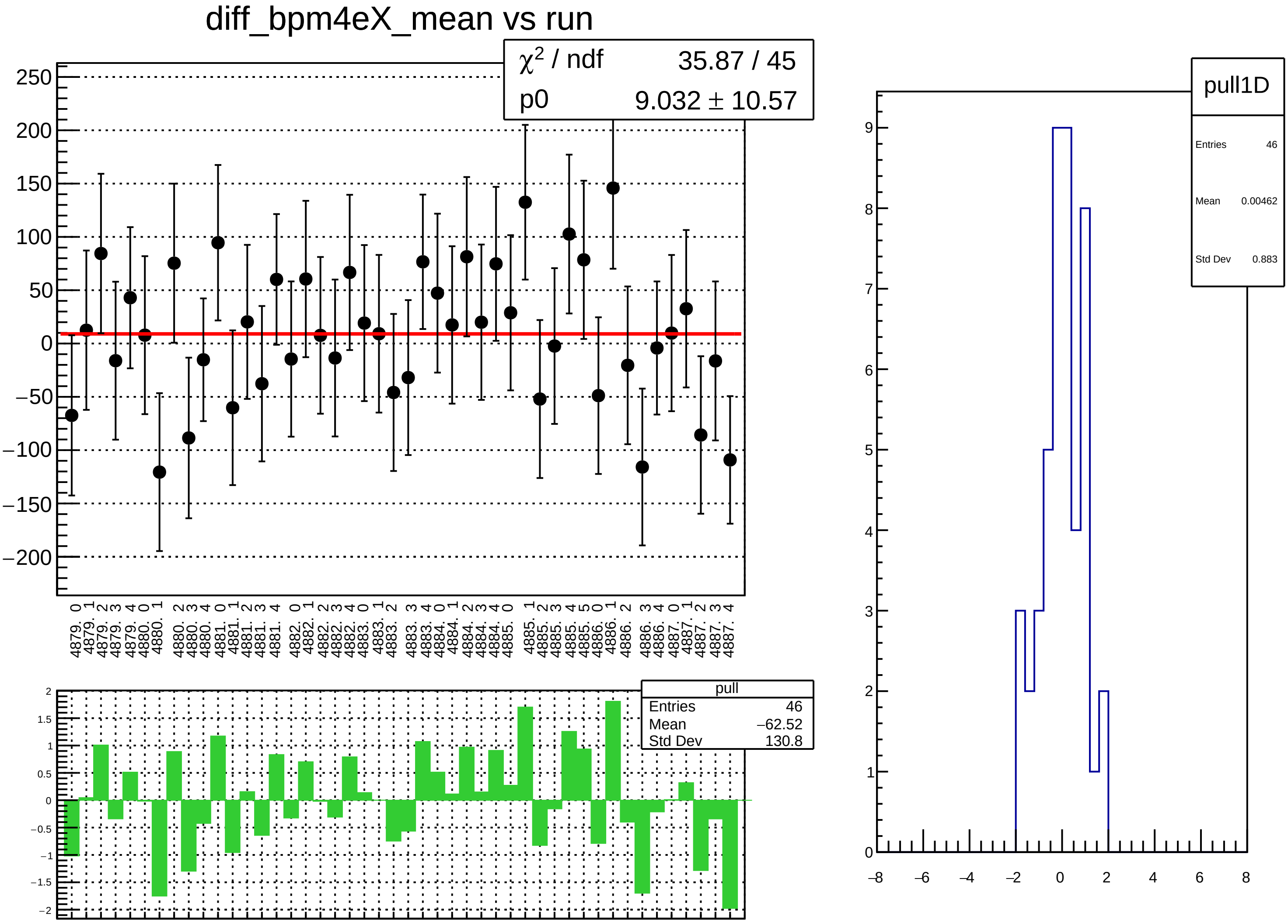
4887. 3
4887. 4



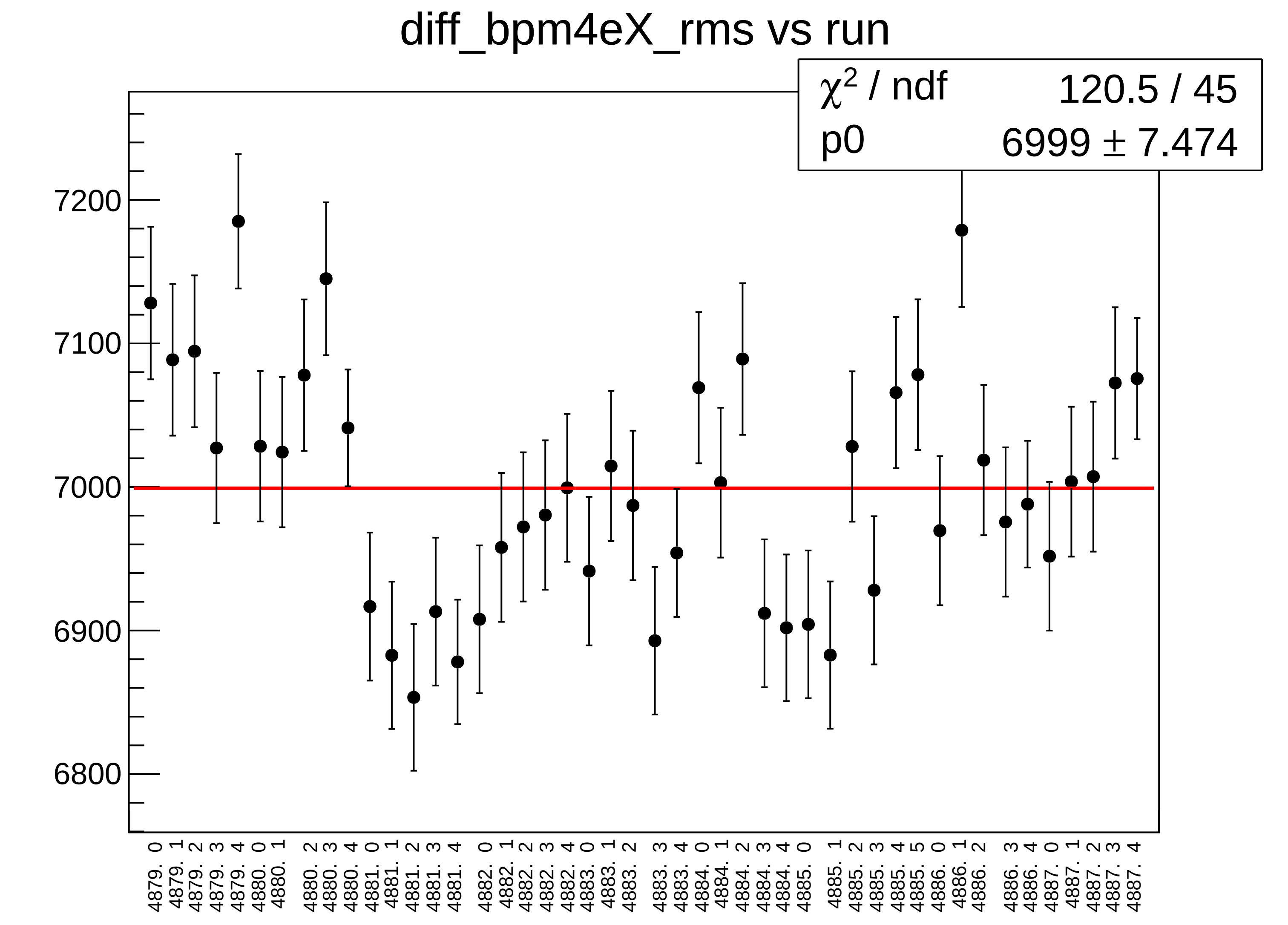
diff_bpm4aY_mean vs run
χ^2 / ndf 58.58 / 45
p0 −8.234 ± 3.949
pull
Entries 46
Mean 369.6
Std Dev 348.7
pull1D
Entries 46
Mean 0.006001
Std Dev 1.128



diff_bpm4aY_rms vs run
χ2 / ndf 556.9 / 45
p0 2614 ± 2.793
2500
2550
2600
2650
2700
2750
2800
2850
2900



diff_bpm4eX_mean vs run
χ^2 / ndf 35.87 / 45
p0 9.032 ± 10.57
pull
Entries 46
Mean −62.52
Std Dev 130.8
pull1D
Entries 46
Mean 0.00462
Std Dev 0.883



diff_bpm4eX_rms vs run
χ^2 / ndf 120.5 / 45
p0 6999 ± 7.474
7200
7100
7000
6900
6800
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
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4887. 0
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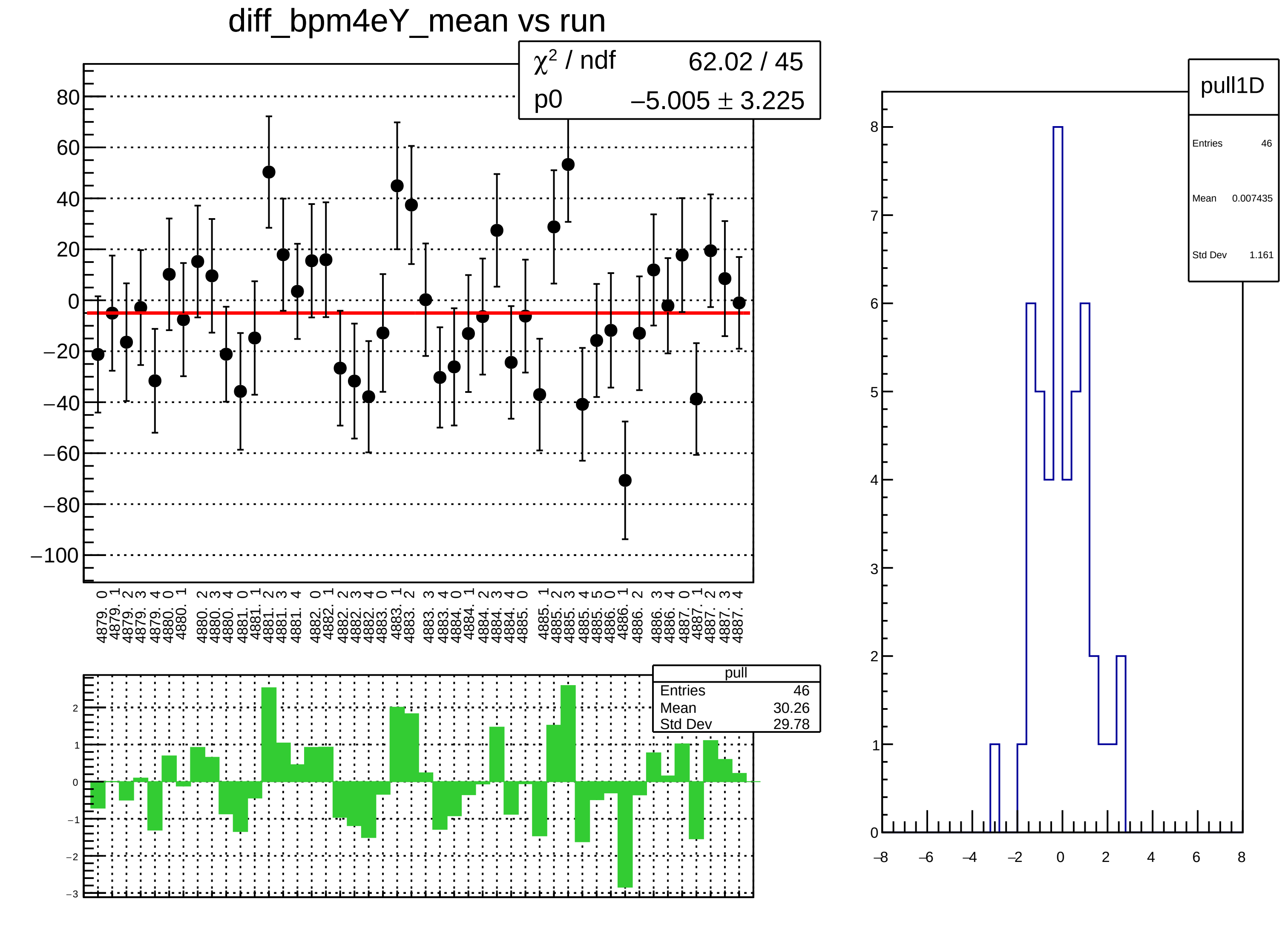
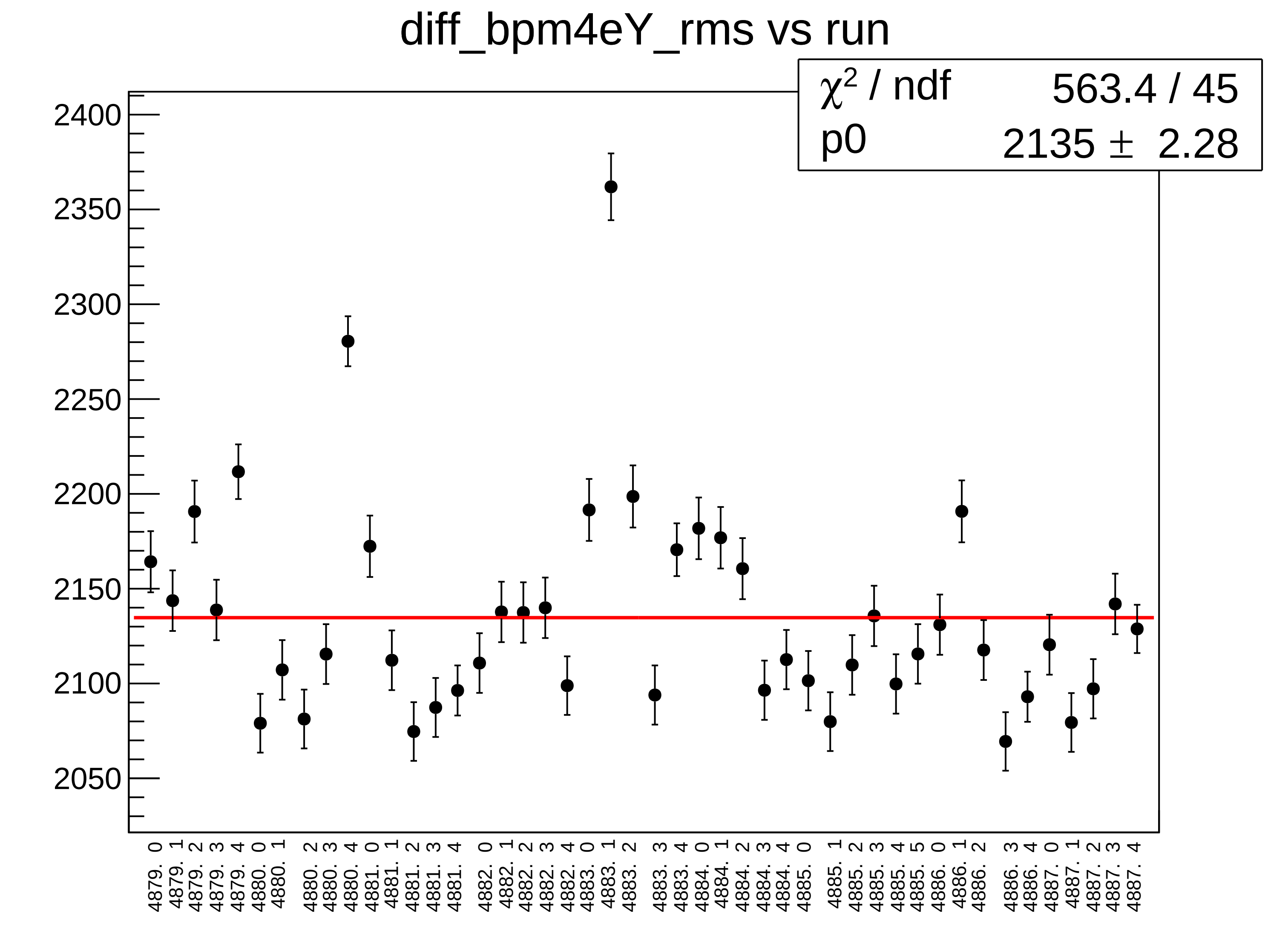
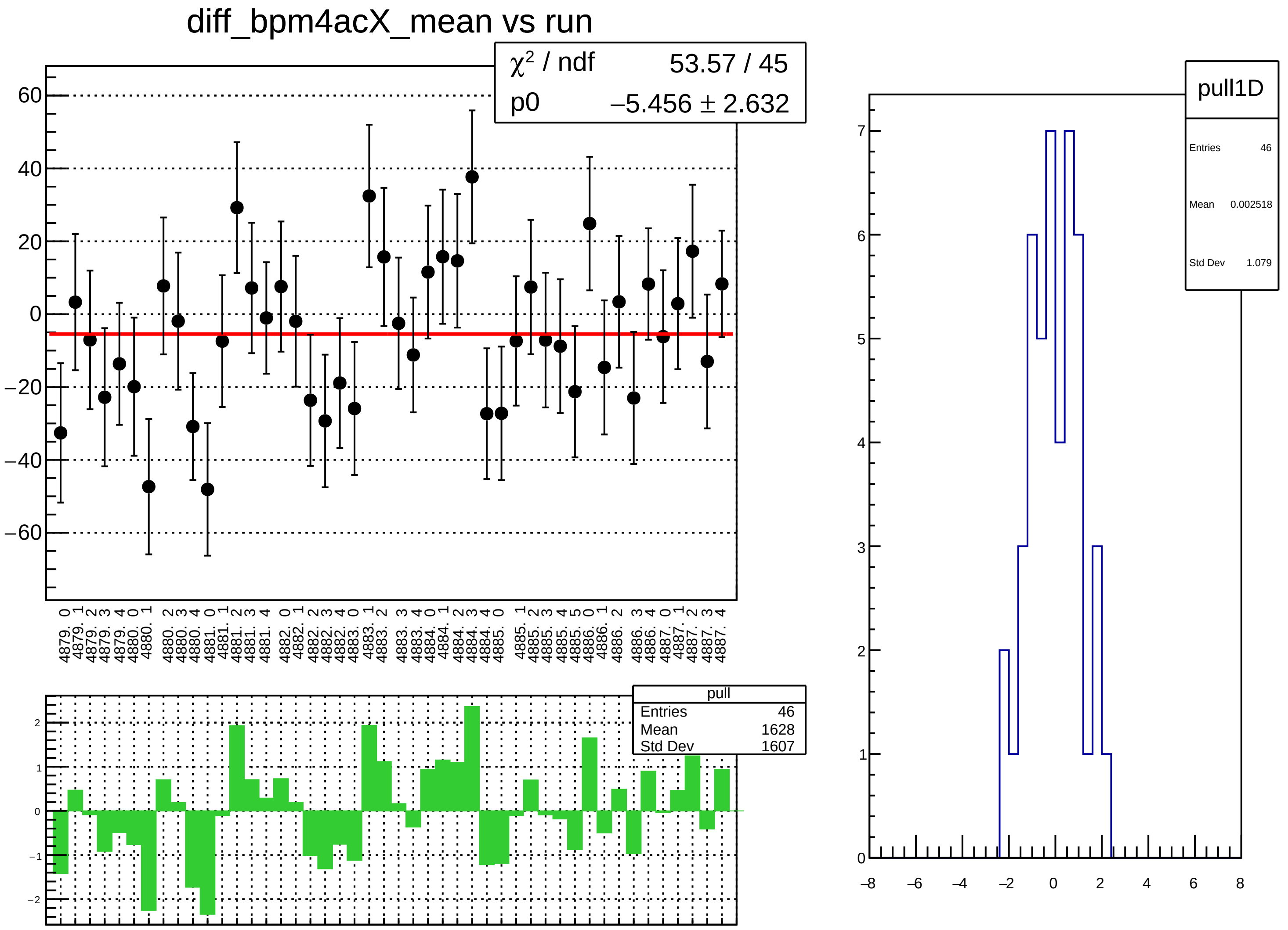
4887. 4

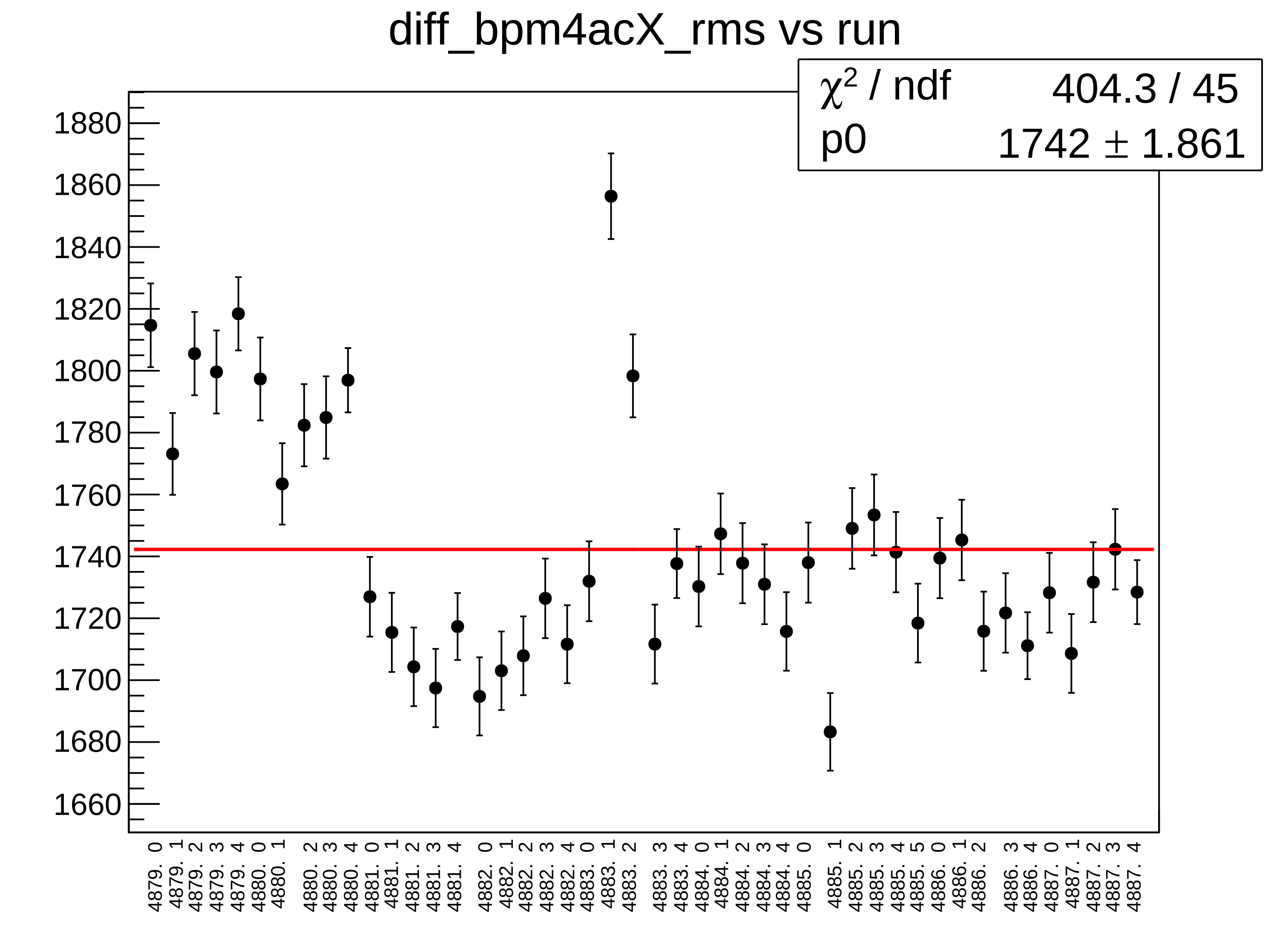

diff_bpm4eY_mean vs run
χ^2 / ndf 62.02 / 45
p0 −5.005 ± 3.225
pull
Entries 46
Mean 30.26
Std Dev 29.78
pull1D
Entries 46
Mean 0.007435
Std Dev 1.161

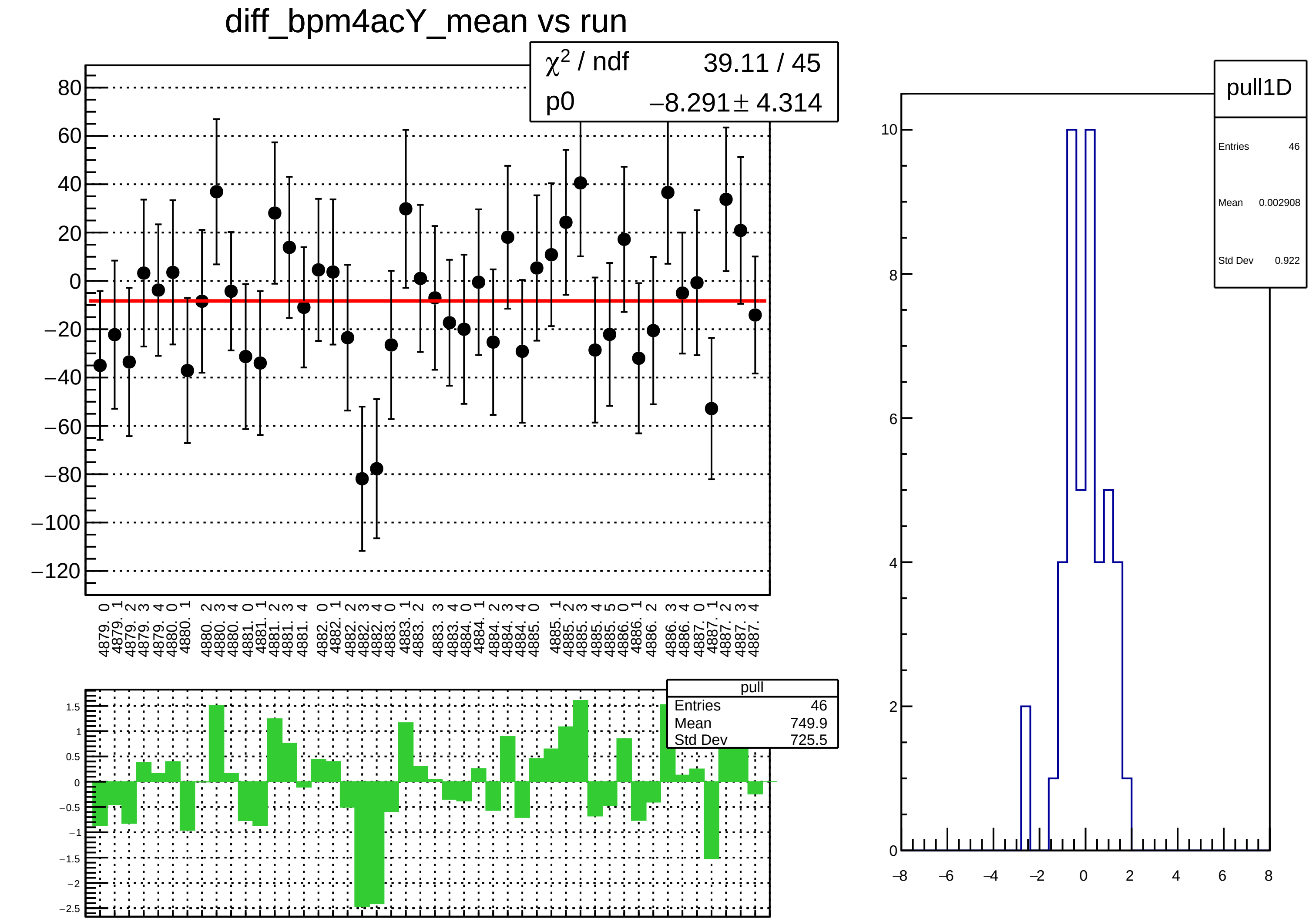


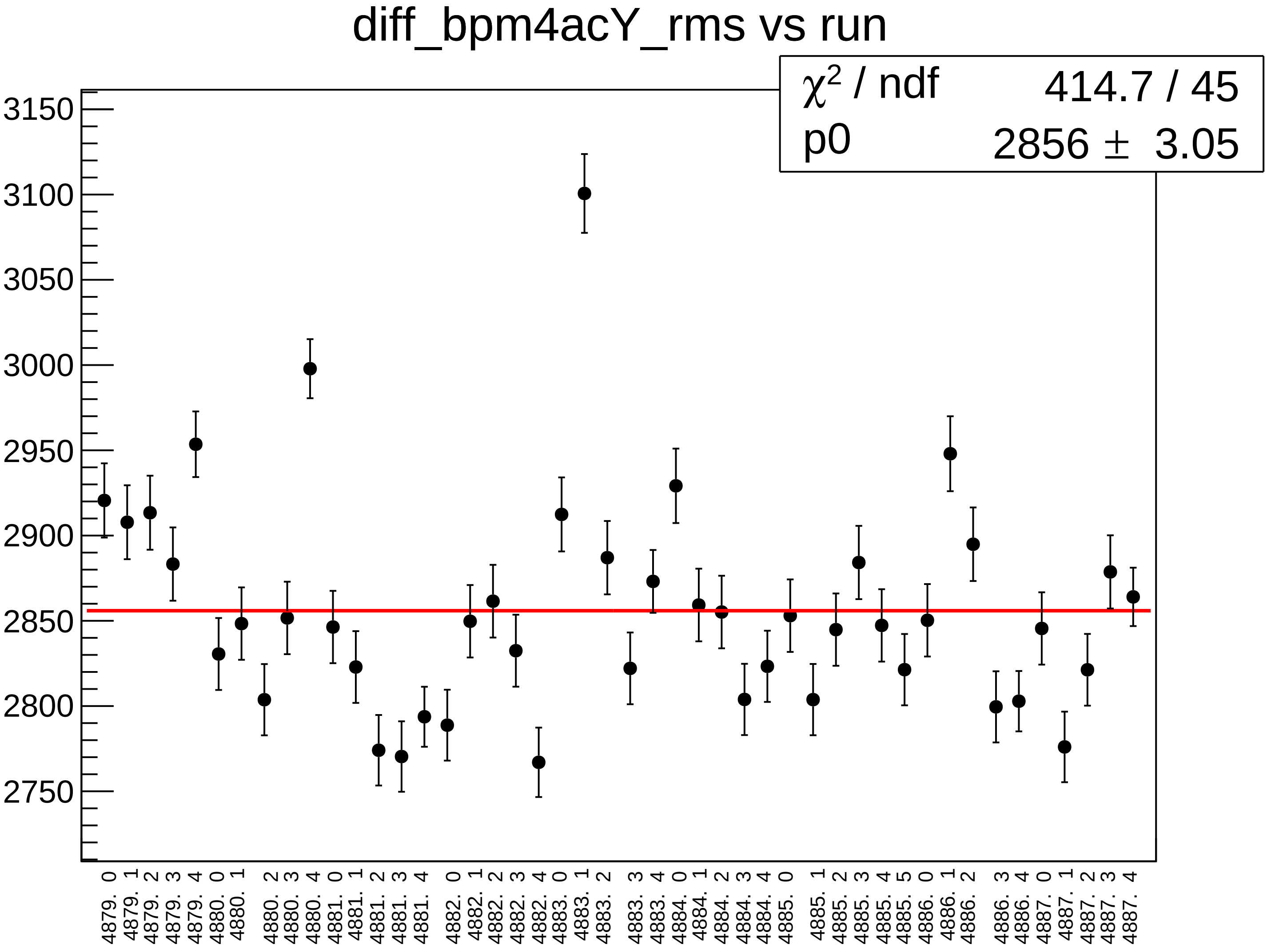
diff_bpm4eY_rms vs run
χ^2 / ndf 563.4 / 45
p0 2135 ± 2.28
2400
2350
2300
2250
2200
2150
2100
2050



diff_bpm4acX_mean vs run
χ2 / ndf 53.57 / 45
p0 −5.456 ± 2.632
pull
Entries 46
Mean 1628
Std Dev 1607
pull1D
Entries 46
Mean 0.002518
Std Dev 1.079


diff_bpm4acX_rms vs run
χ^2 / ndf 404.3 / 45
p0 1742 ± 1.861
1880
1860
1840
1820
1800
1780
1760
1740
1720
1700
1680
1660


diff_bpm4acY_mean vs run
χ^2 / ndf 39.11 / 45
p0 −8.291 ± 4.314
pull
Entries 46
Mean 749.9
Std Dev 725.5
pull1D
Entries 46
Mean 0.002908
Std Dev 0.922



diff_bpm4acY_rms vs run
χ^2 / ndf 414.7 / 45
p0 2856 ± 3.05
3150
3100
3050
3000
2950
2900
2850
2800
2750
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4883. 0
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4884. 0
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4885. 1
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4885. 4
4885. 5
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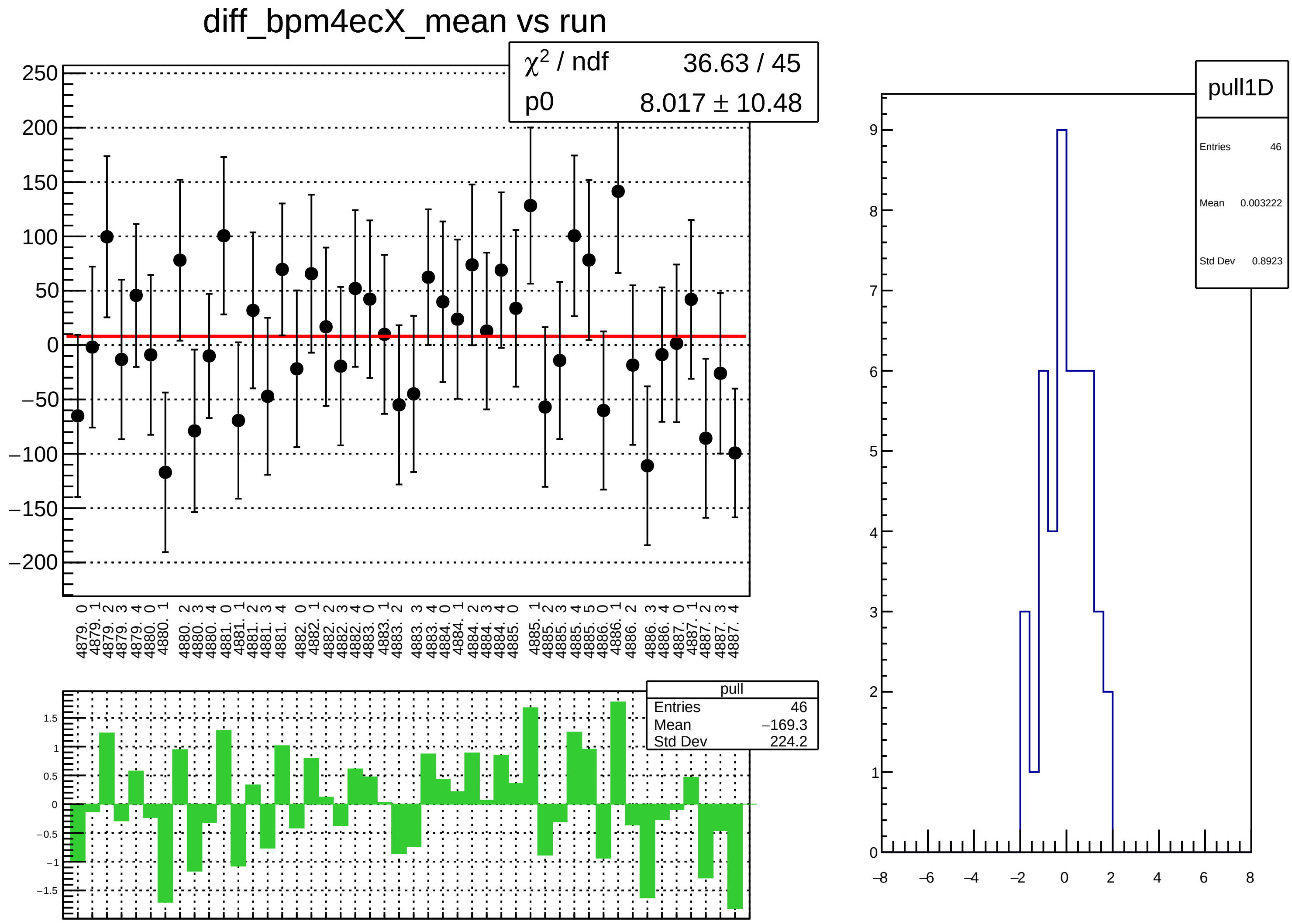
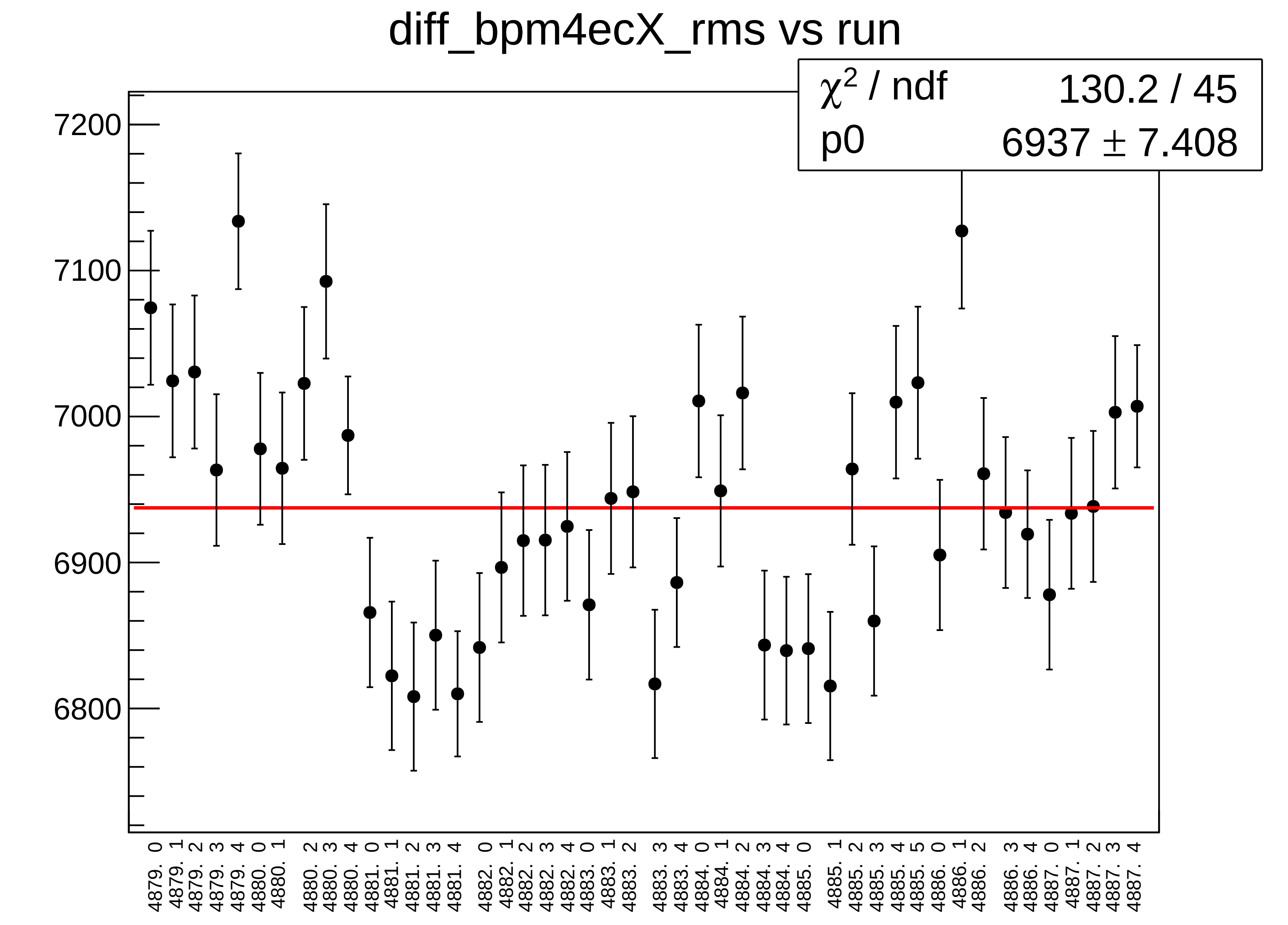
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



diff_bpm4ecX_mean vs run
χ^2 / ndf 36.63 / 45
p0 8.017 ± 10.48
pull
Entries 46
Mean −169.3
Std Dev 224.2
pull1D
Entries 46
Mean 0.003222
Std Dev 0.8923



diff_bpm4ecX_rms vs run
χ2 / ndf 130.2 / 45
p0 6937 ± 7.408
7200
7100
7000
6900
6800
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
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4881. 0
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4884. 3
4884. 4
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4885. 1
4885. 2
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4885. 4
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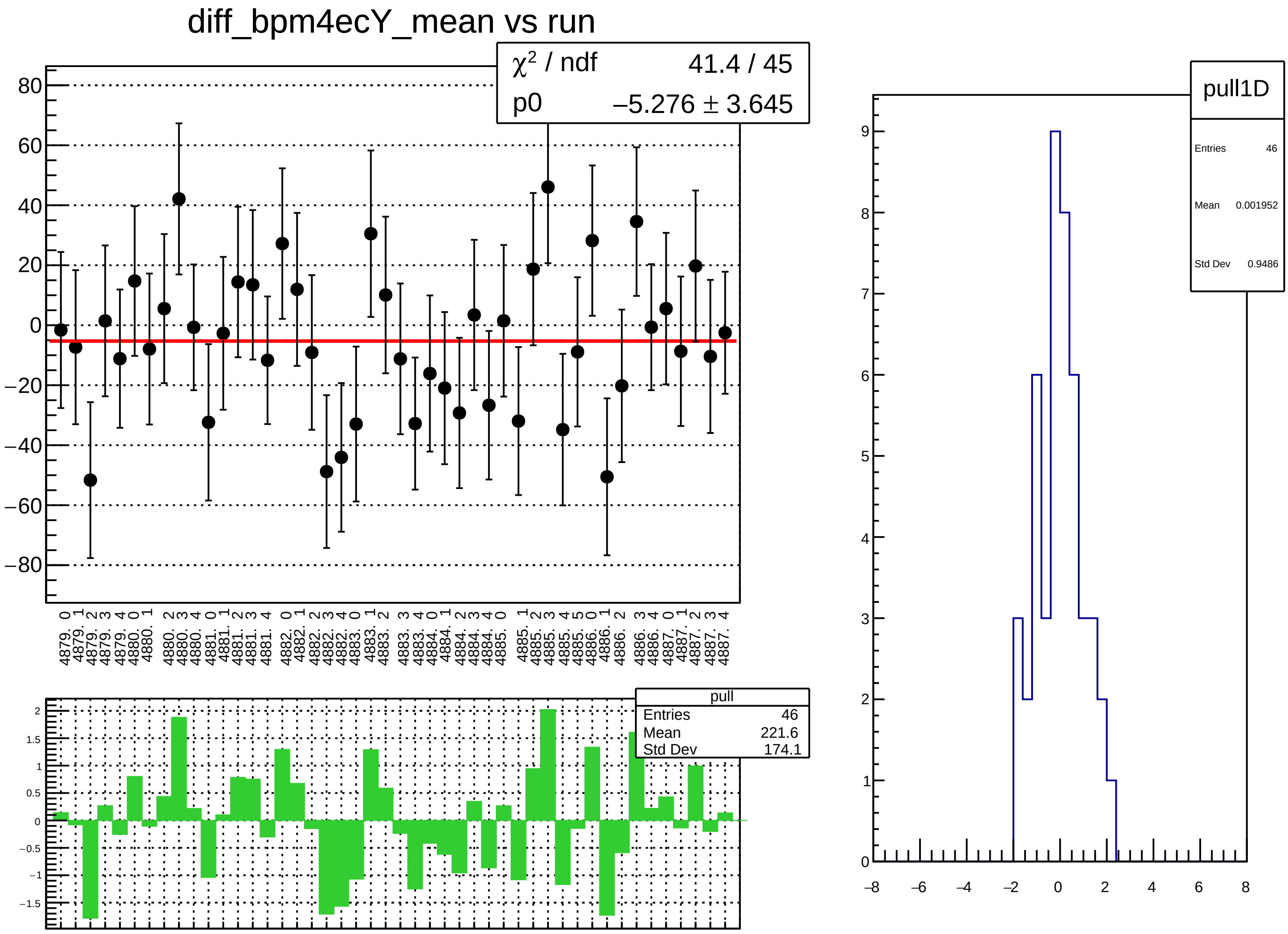
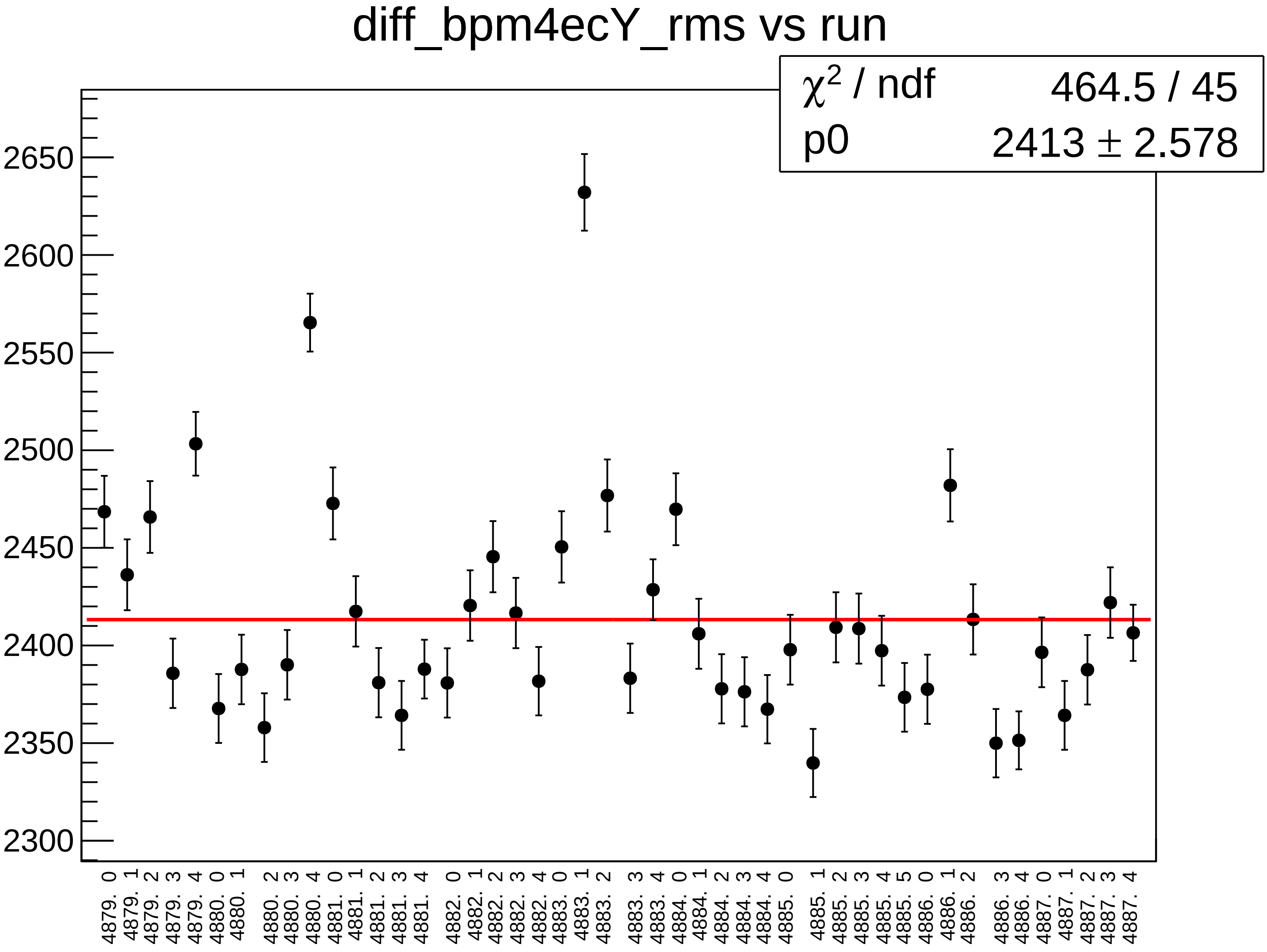
4887. 4


diff_bpm4ecY_mean vs run
χ^2 / ndf 41.4 / 45
p0 −5.276 ± 3.645
pull
Entries 46
Mean 221.6
Std Dev 174.1
pull1D
Entries 46
Mean 0.001952
Std Dev 0.9486



diff_bpm4ecY_rms vs run
χ² / ndf 464.5 / 45
p0 2413 ± 2.578
2300
2350
2400
2450
2500
2550
2600
2650
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4882. 0
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4884. 2
4884. 3
4884. 4
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4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
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4886. 4
4887. 0
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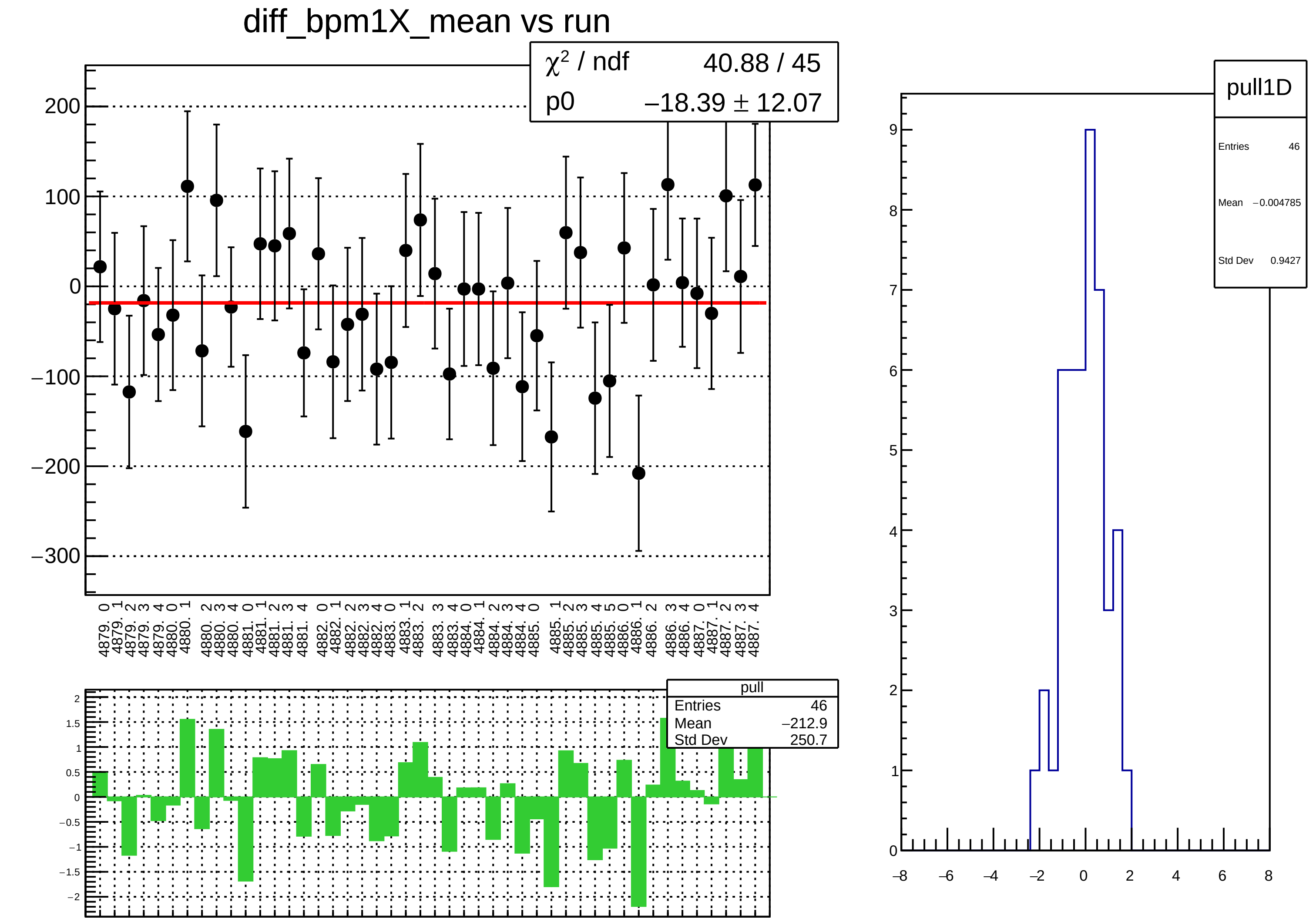
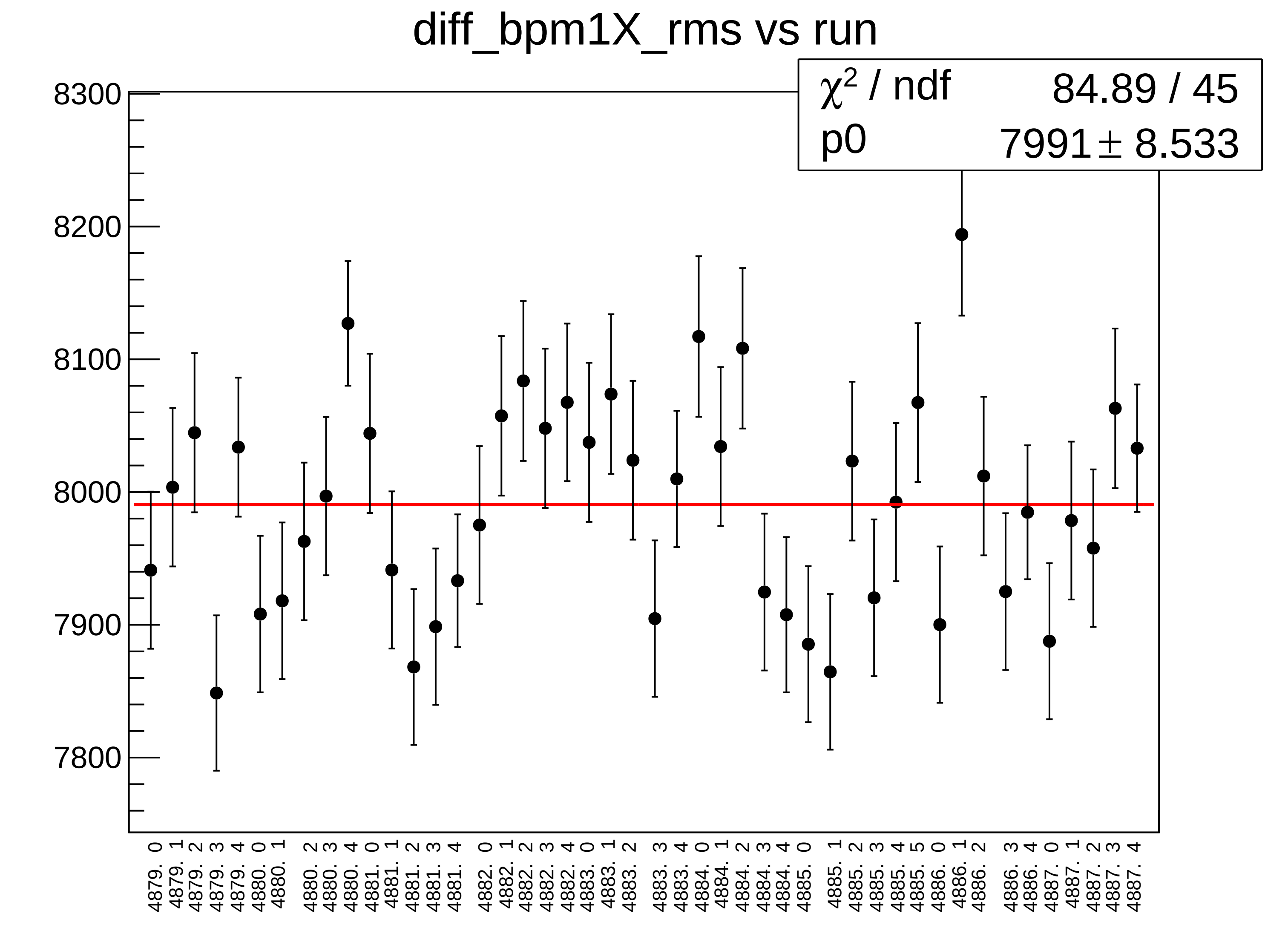
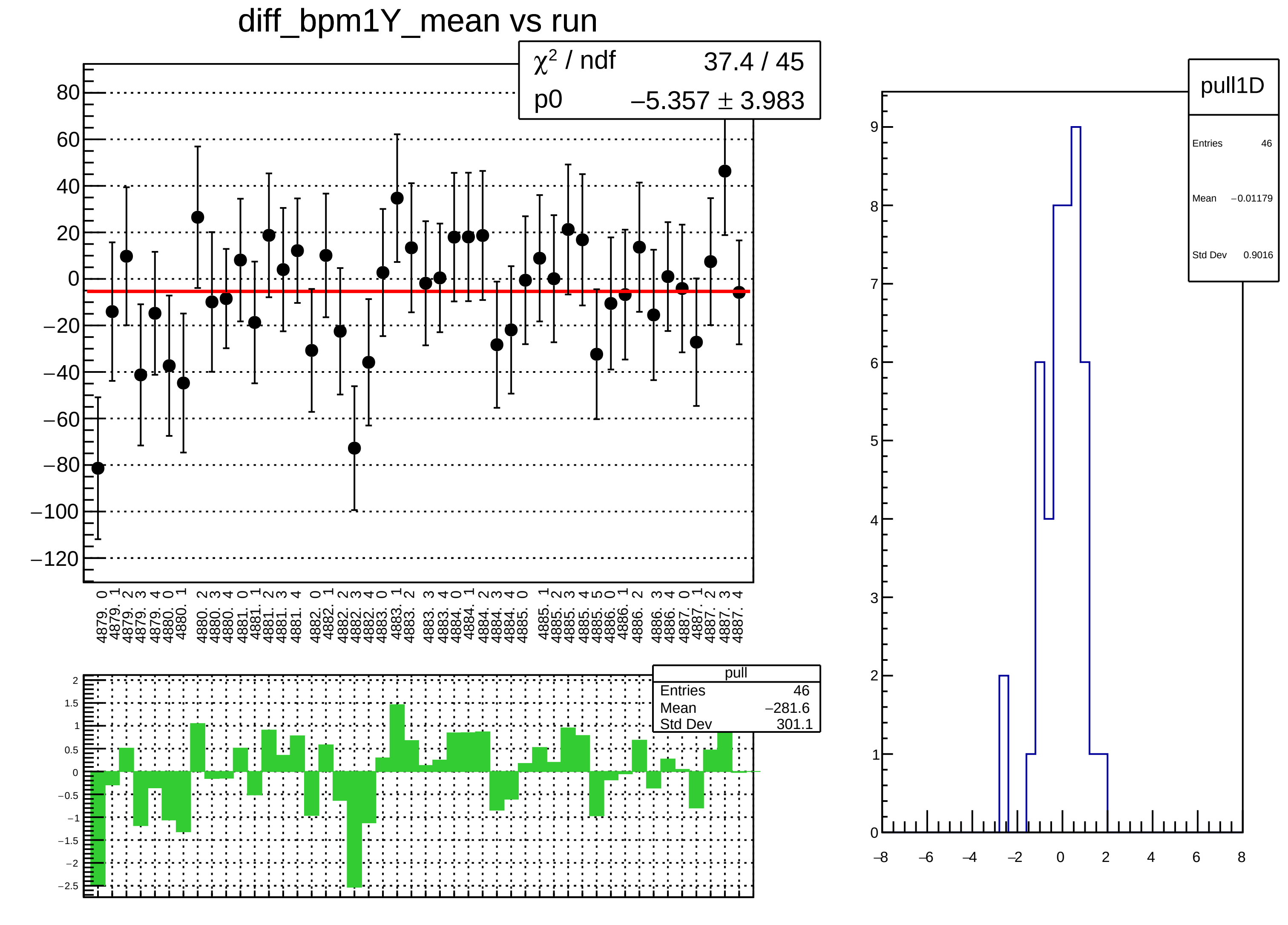
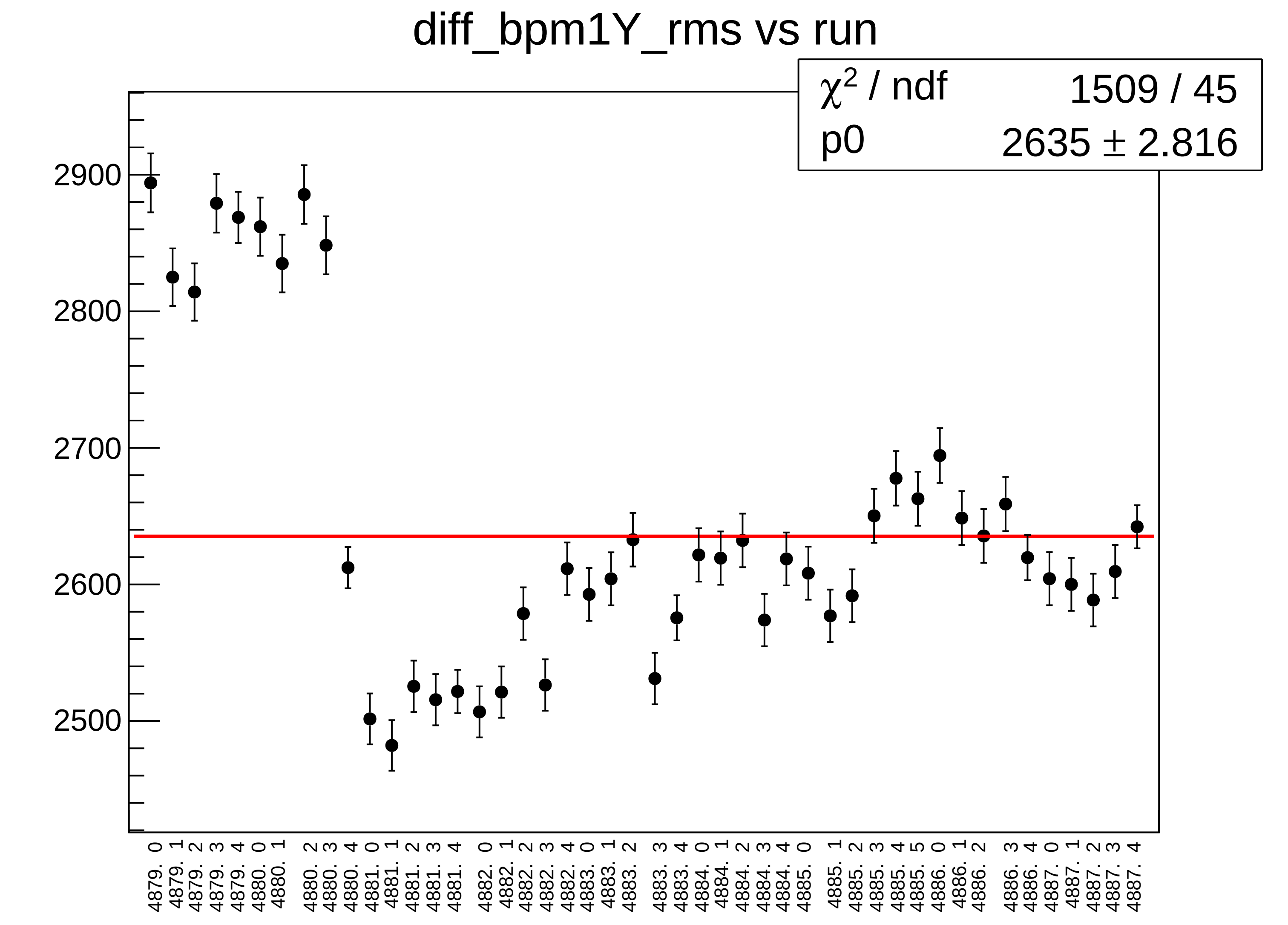
4887. 2
4887. 3
4887. 4


diff_bpm1X_mean vs run
χ^2 / ndf 40.88 / 45
p0 −18.39 ± 12.07
pull
Entries 46
Mean −212.9
Std Dev 250.7
pull1D
Entries 46
Mean −0.004785
Std Dev 0.9427


diff_bpm1X_rms vs run
χ2 / ndf 84.89 / 45
p0 7991 ± 8.533
8300
8200
8100
8000
7900
7800


diff_bpm1Y_mean vs run
χ^2 / ndf 37.4 / 45
p0 −5.357 ± 3.983
pull
Entries 46
Mean −281.6
Std Dev 301.1
pull1D
Entries 46
Mean −0.01179
Std Dev 0.9016



diff_bpm1Y_rms vs run
χ^2 / ndf 1509 / 45
p0 2635 ± 2.816
2900
2800
2700
2600
2500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
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4885. 5
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4886. 2
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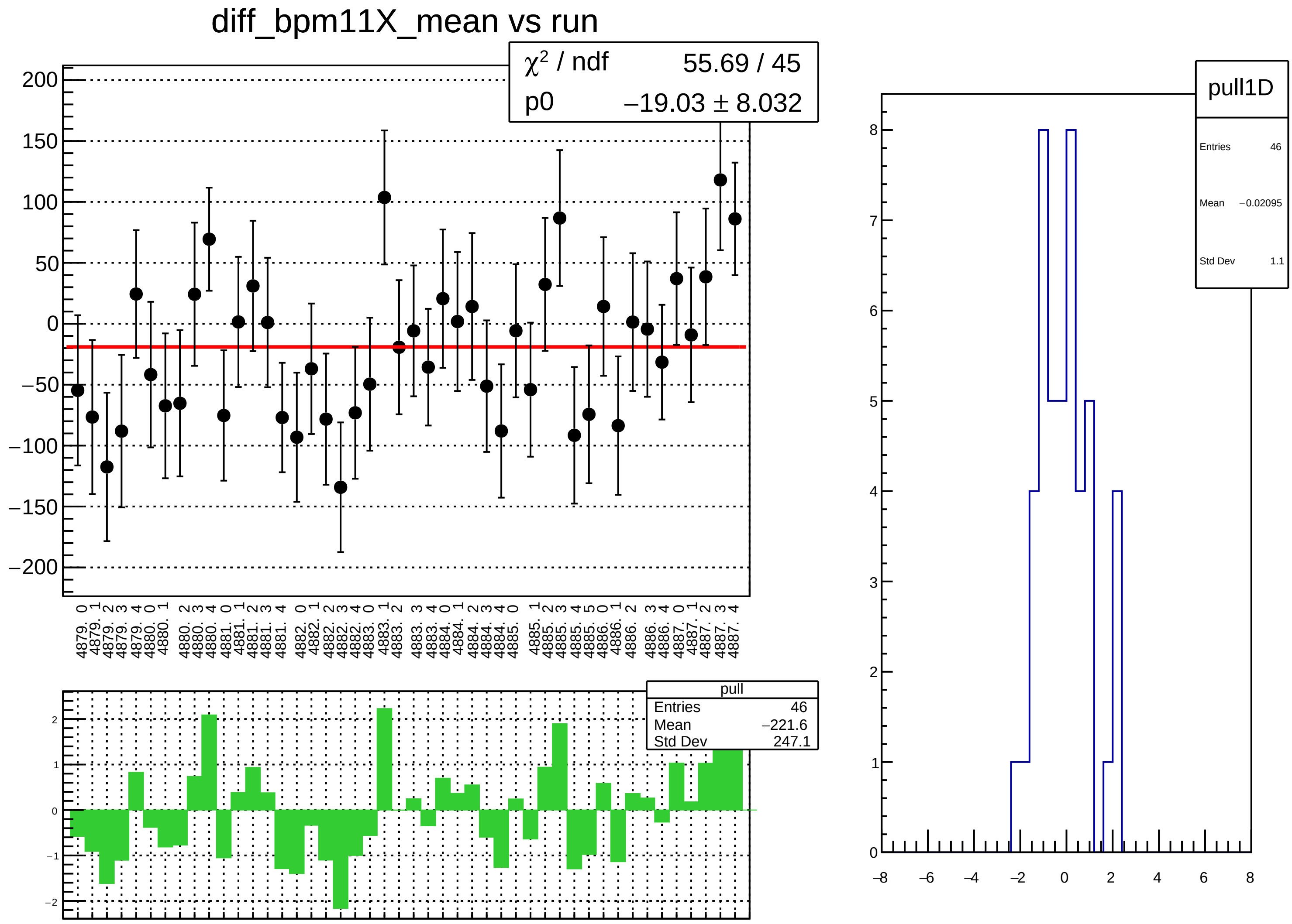
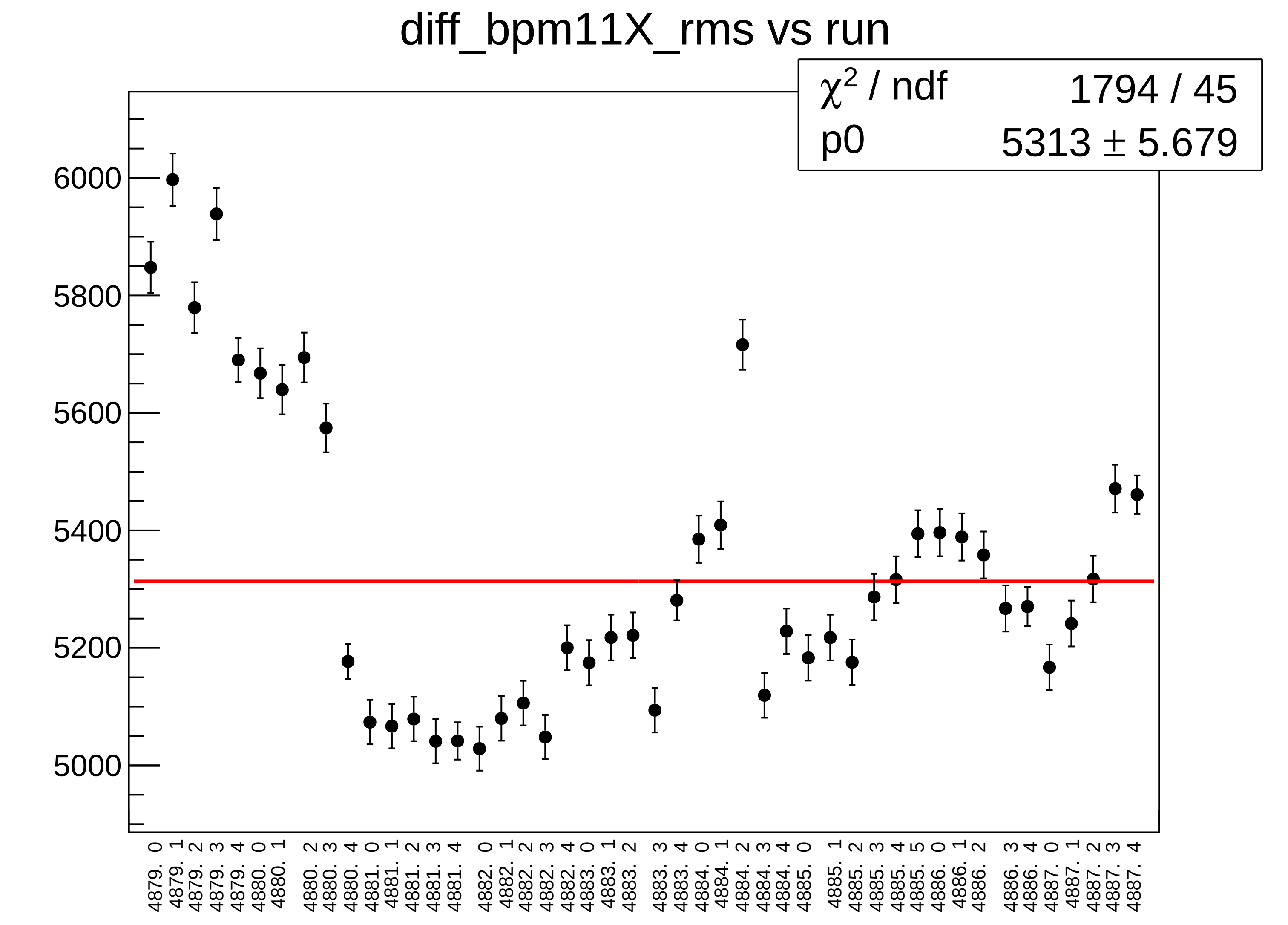
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


diff_bpm11X_mean vs run
χ^2 / ndf 55.69 / 45
p0 −19.03 ± 8.032
pull
Entries 46
Mean −221.6
Std Dev 247.1
pull1D
Entries 46
Mean −0.02095
Std Dev 1.1



diff_bpm11X_rms vs run
χ^2 / ndf 1794 / 45
p0 5313 ± 5.679
6000
5800
5600
5400
5200
5000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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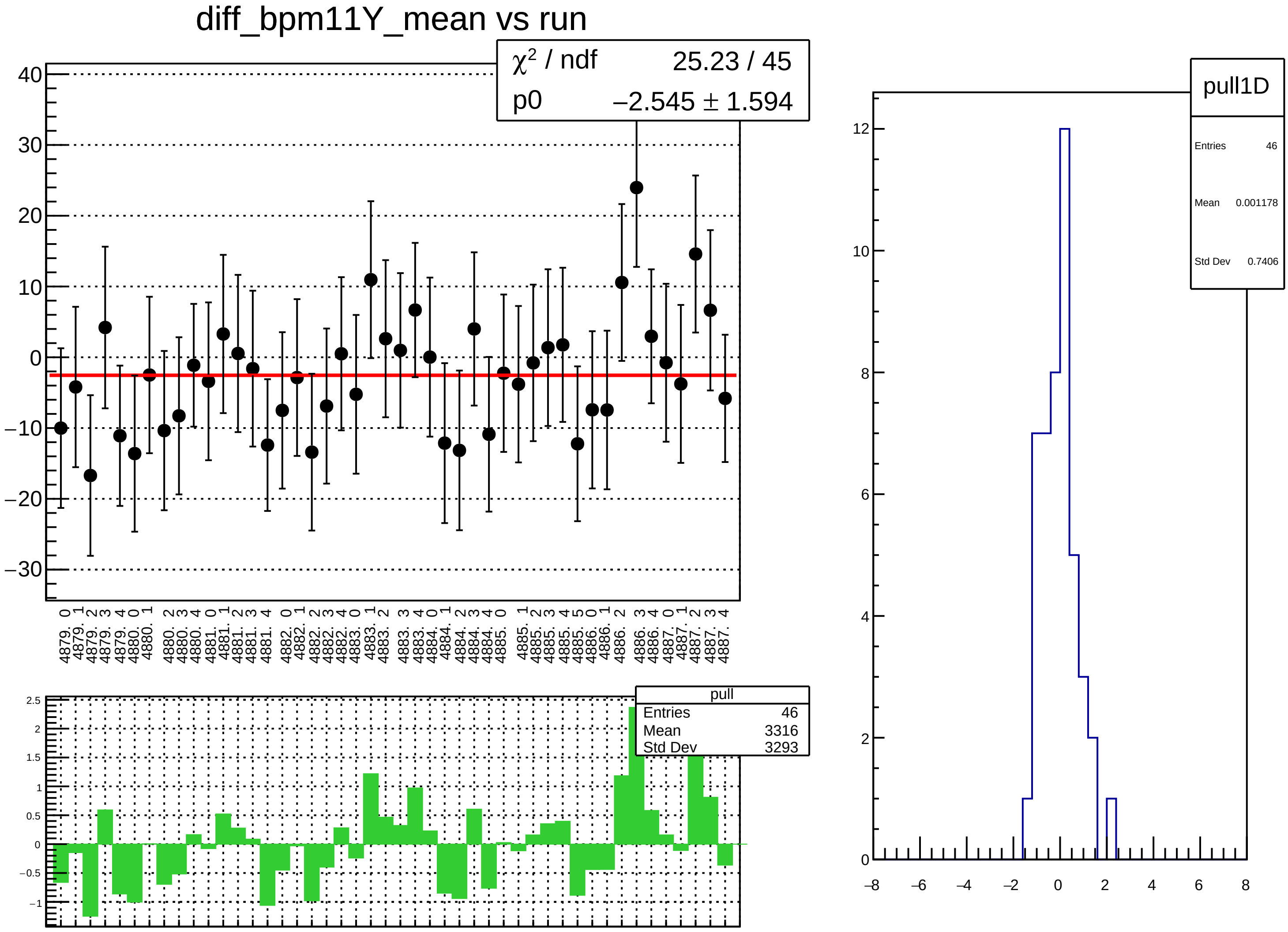
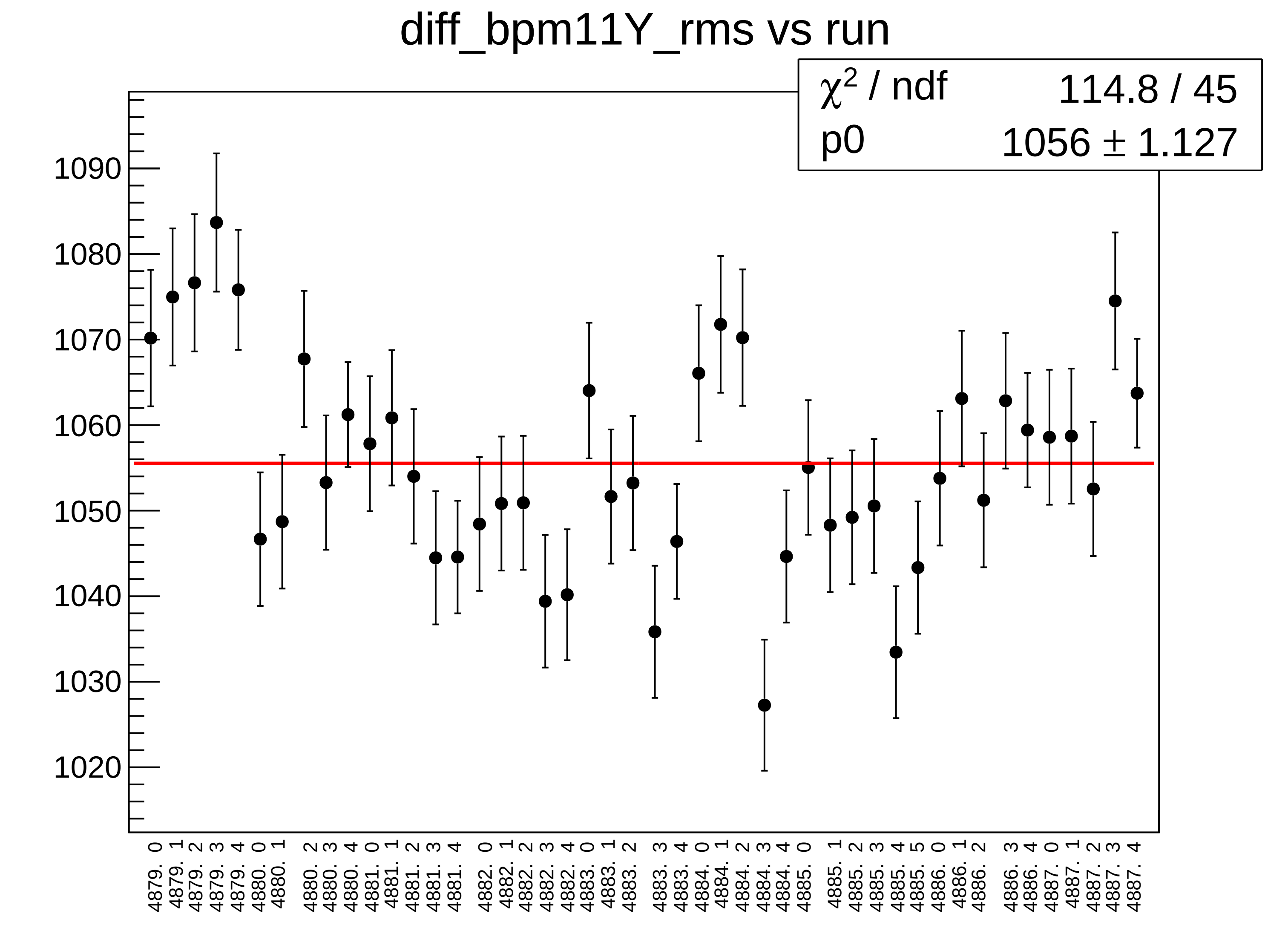
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


diff_bpm11Y_mean vs run
χ^2 / ndf 25.23 / 45
p0 −2.545 ± 1.594
pull
Entries 46
Mean 3316
Std Dev 3293
pull1D
Entries 46
Mean 0.001178
Std Dev 0.7406



diff_bpm11Y_rms vs run
χ^2 / ndf 114.8 / 45
p0 1056 ± 1.127
1090
1080
1070
1060
1050
1040
1030
1020
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
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4883. 1
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4884. 0
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4884. 2
4884. 3
4884. 4
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4885. 4
4885. 5
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4887. 0
4887. 1
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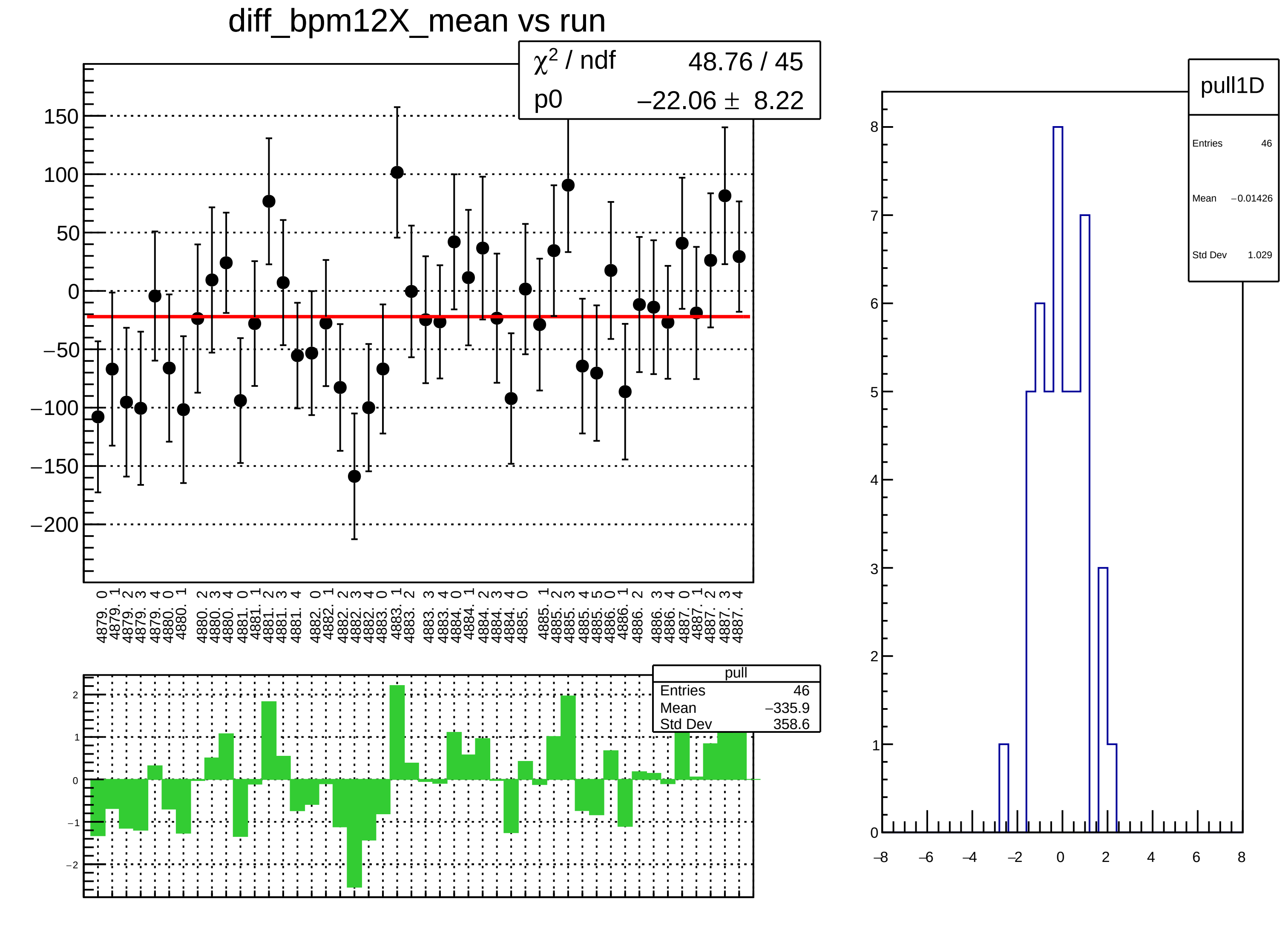
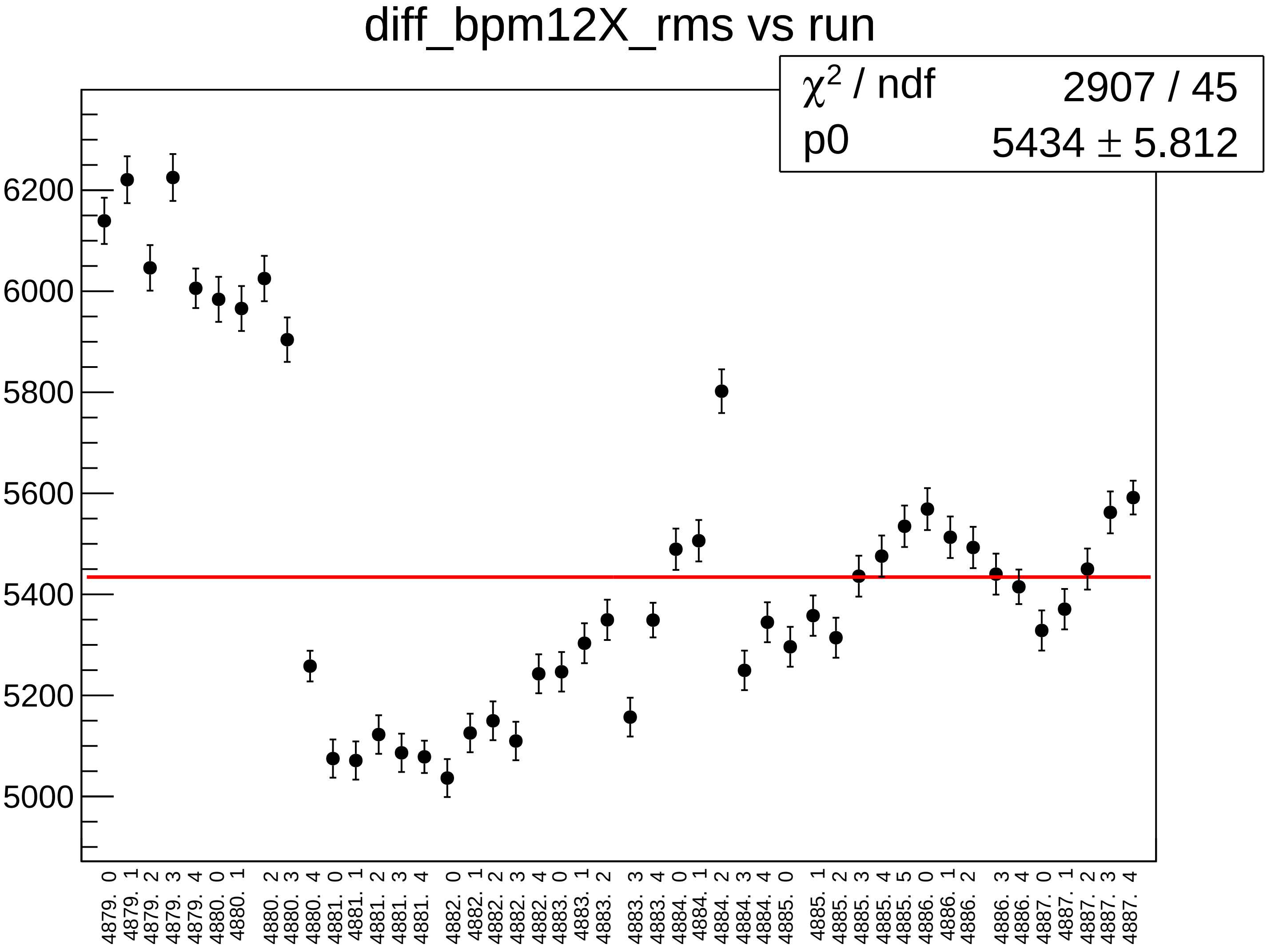
4887. 3
4887. 4

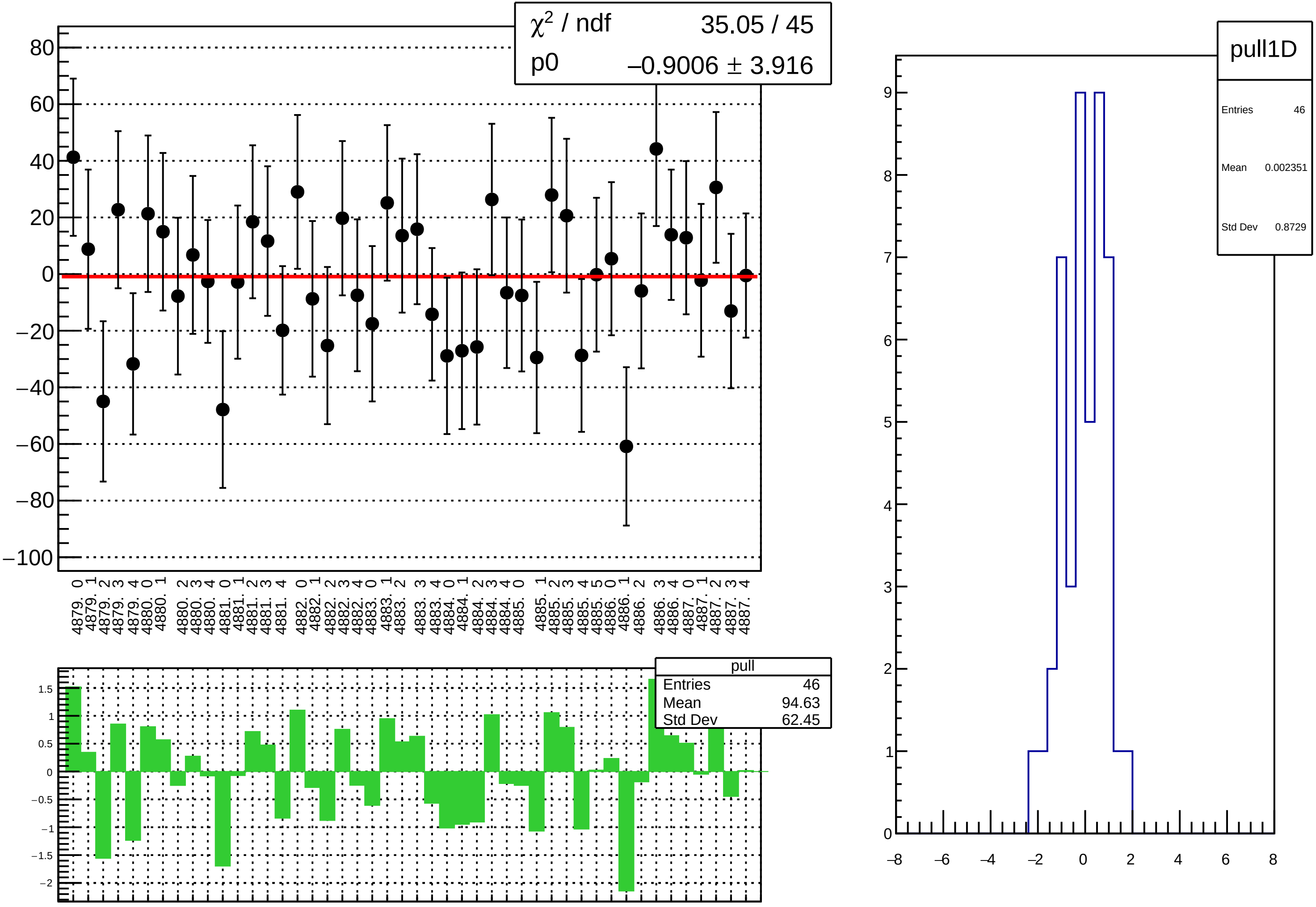


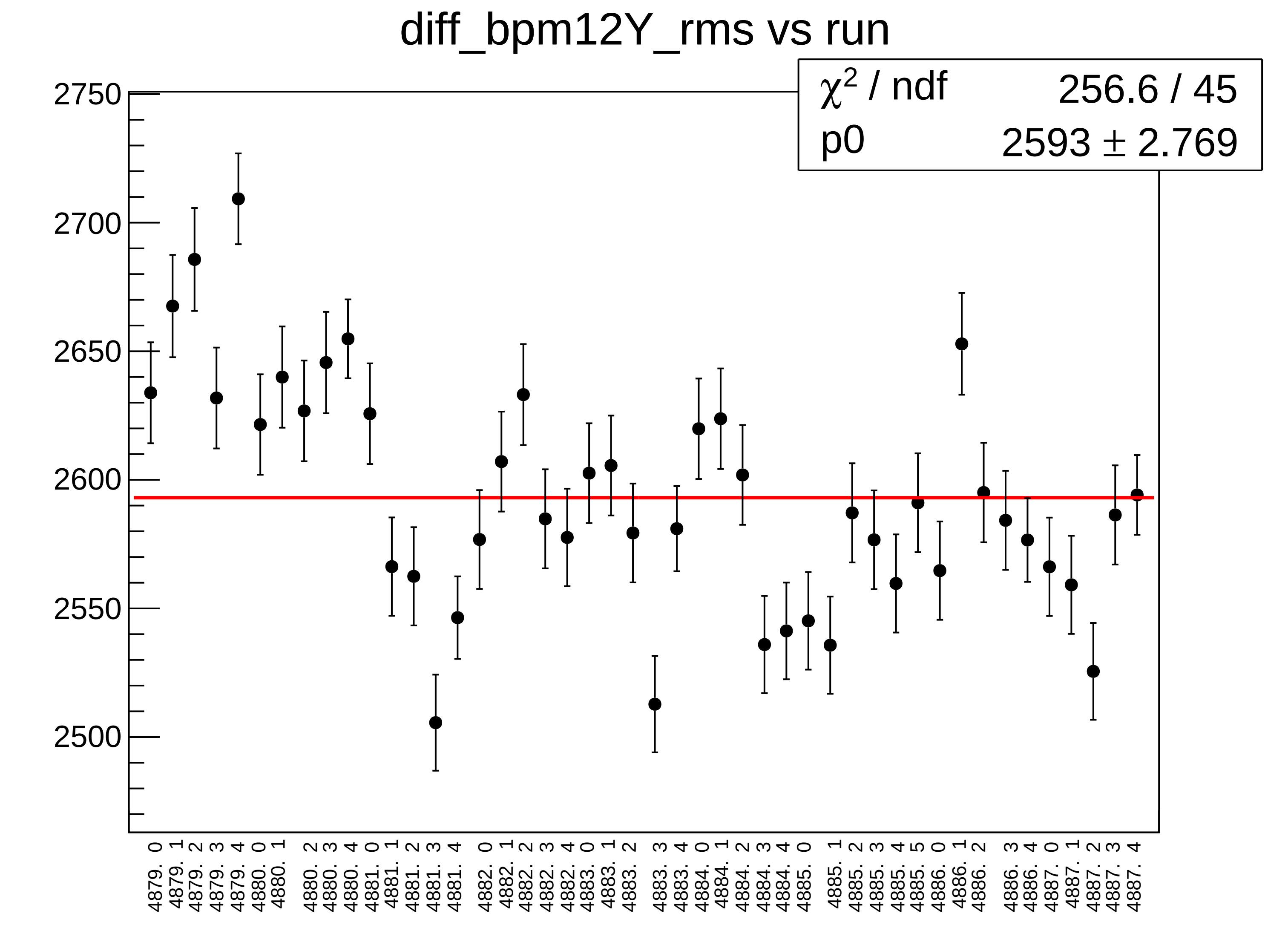
diff_bpm12X_mean vs run
χ2 / ndf 48.76 / 45
p0 −22.06 ± 8.22
pull
Entries 46
Mean −335.9
Std Dev 358.6
pull1D
Entries 46
Mean −0.01426
Std Dev 1.029



diff_bpm12X_rms vs run
χ² / ndf 2907 / 45
p0 5434 ± 5.812
6200
6000
5800
5600
5400
5200
5000

diff_bpm12Y_mean vs run





diff_bpm12Y_rms vs run
χ2 / ndf 256.6 / 45
p0 2593 ± 2.769
2750
2700
2650
2600
2550
2500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
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4885. 2
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4885. 5
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4887. 0
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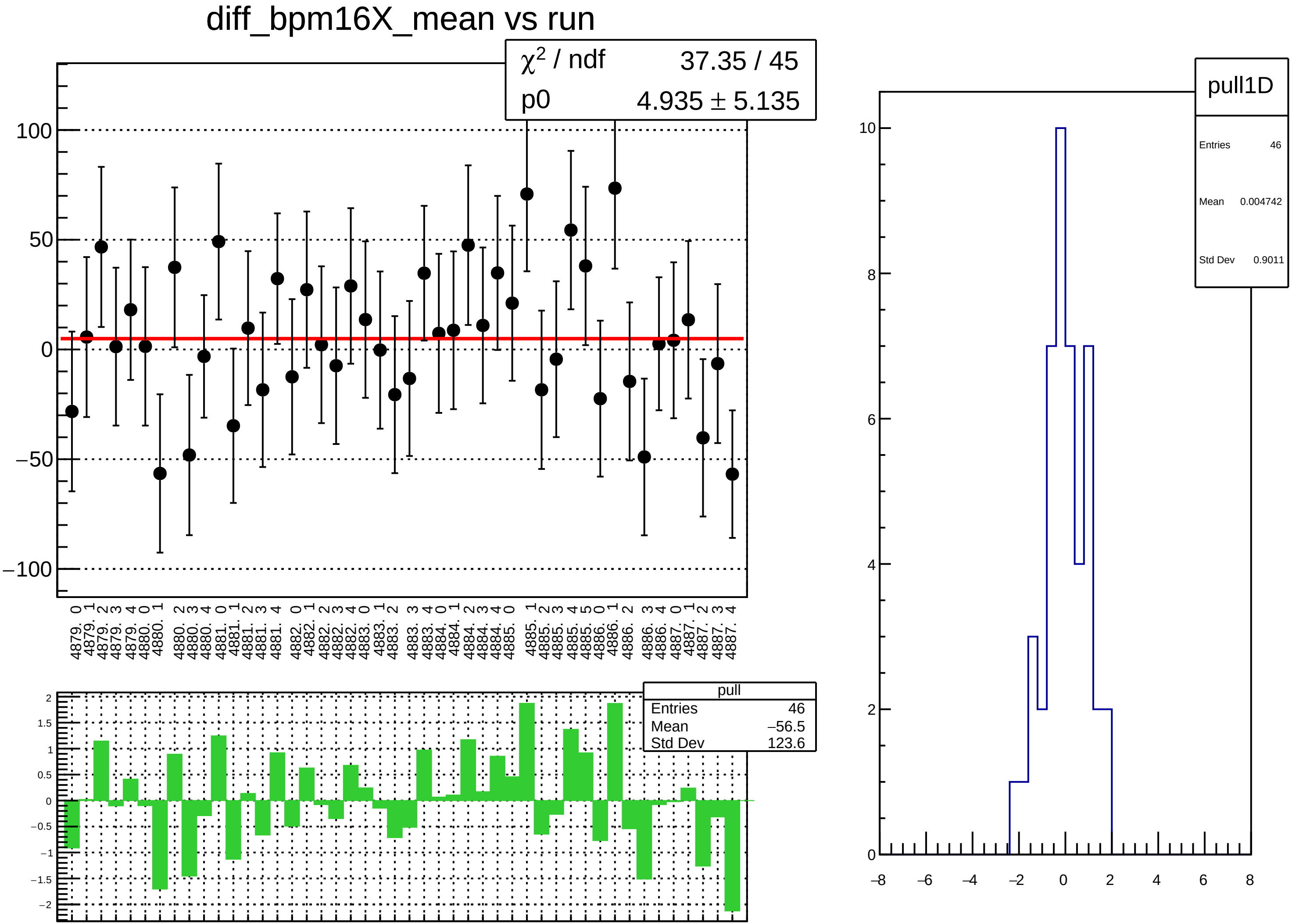
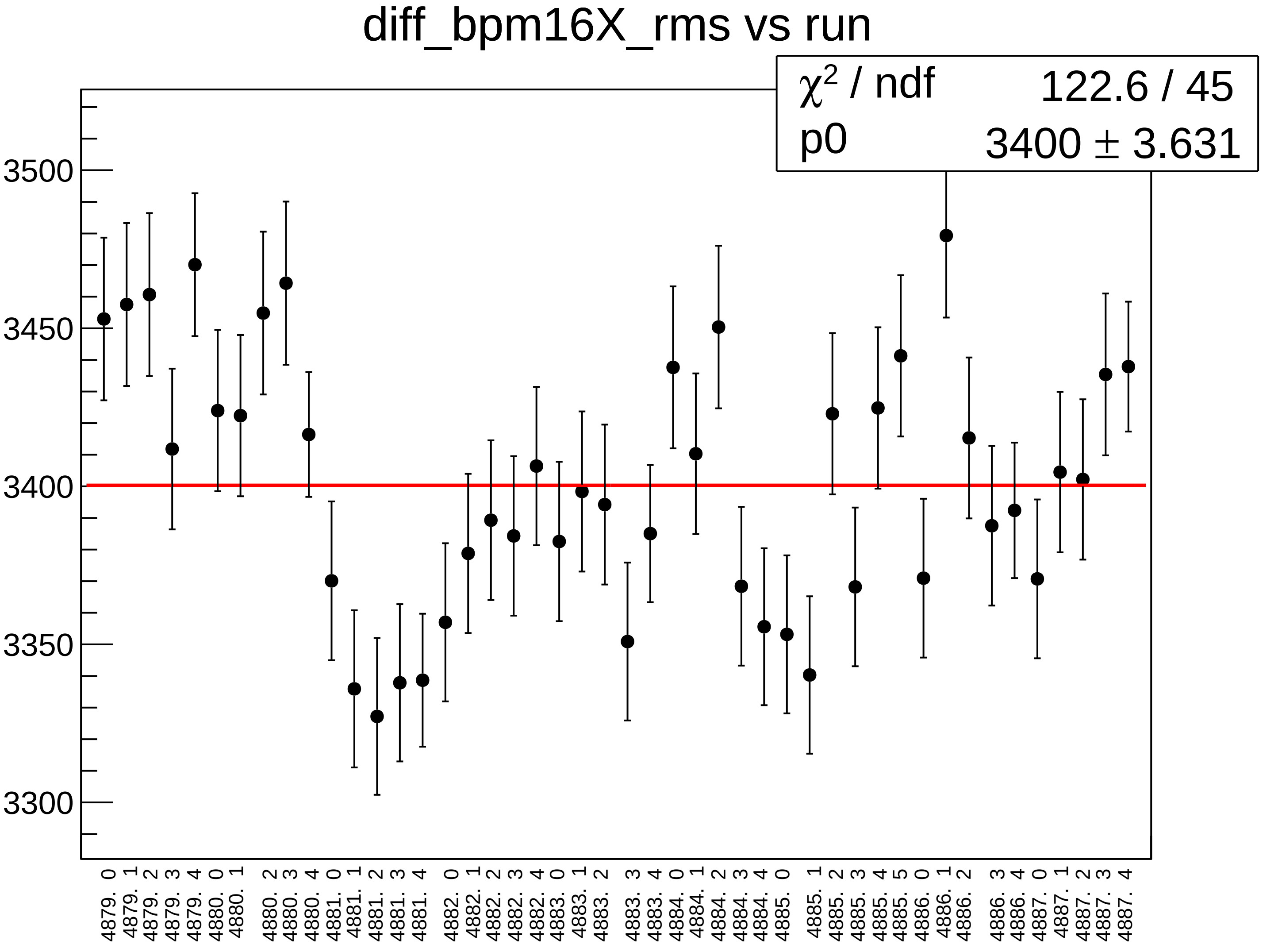
4887. 3
4887. 4



diff_bpm16X_mean vs run
χ2 / ndf 37.35 / 45
p0 4.935 ± 5.135
pull
Entries 46
Mean −56.5
Std Dev 123.6
pull1D
Entries 46
Mean 0.004742
Std Dev 0.9011



diff_bpm16X_rms vs run
χ^2 / ndf 122.6 / 45
p0 3400 ± 3.631
3500
3450
3400
3350
3300
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
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4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
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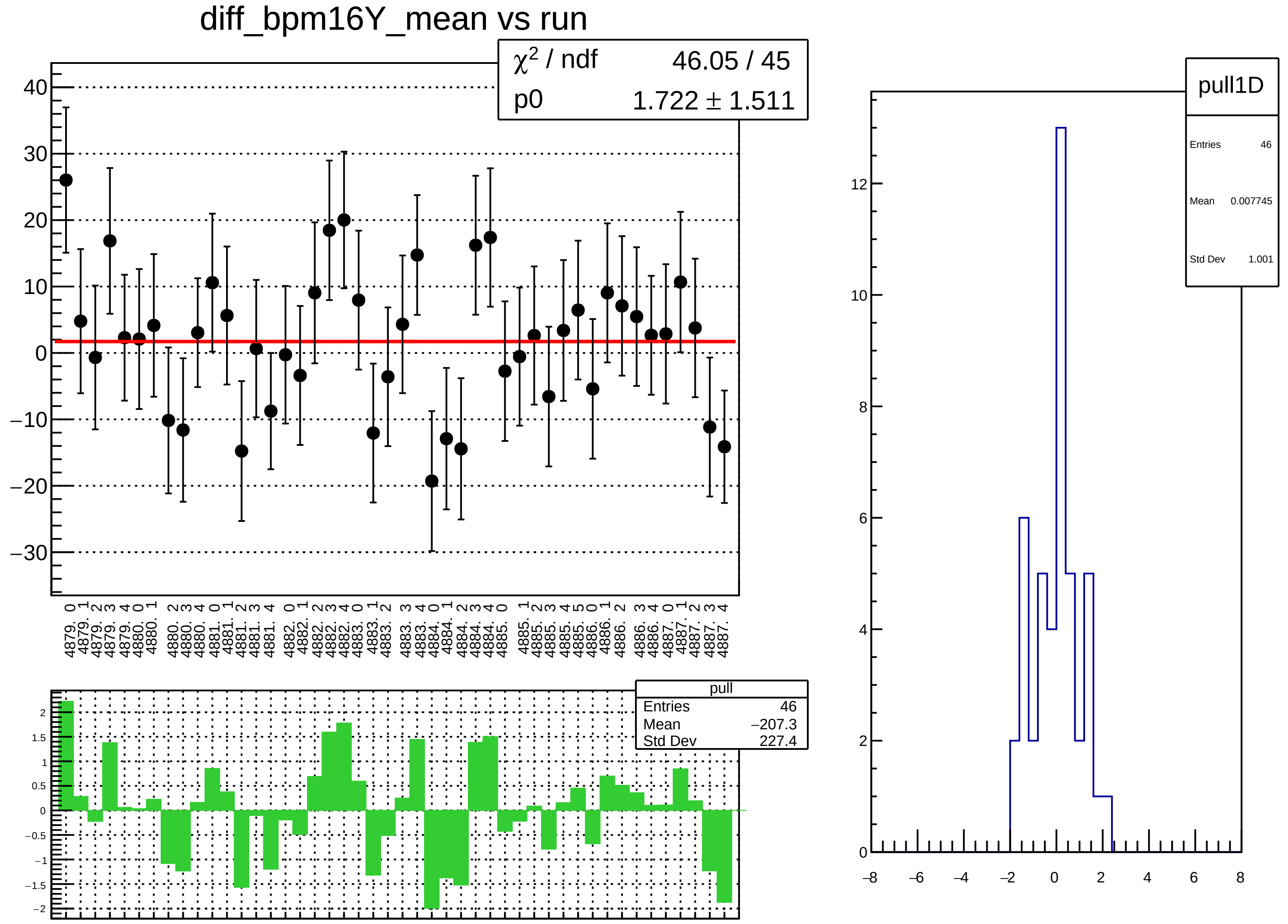
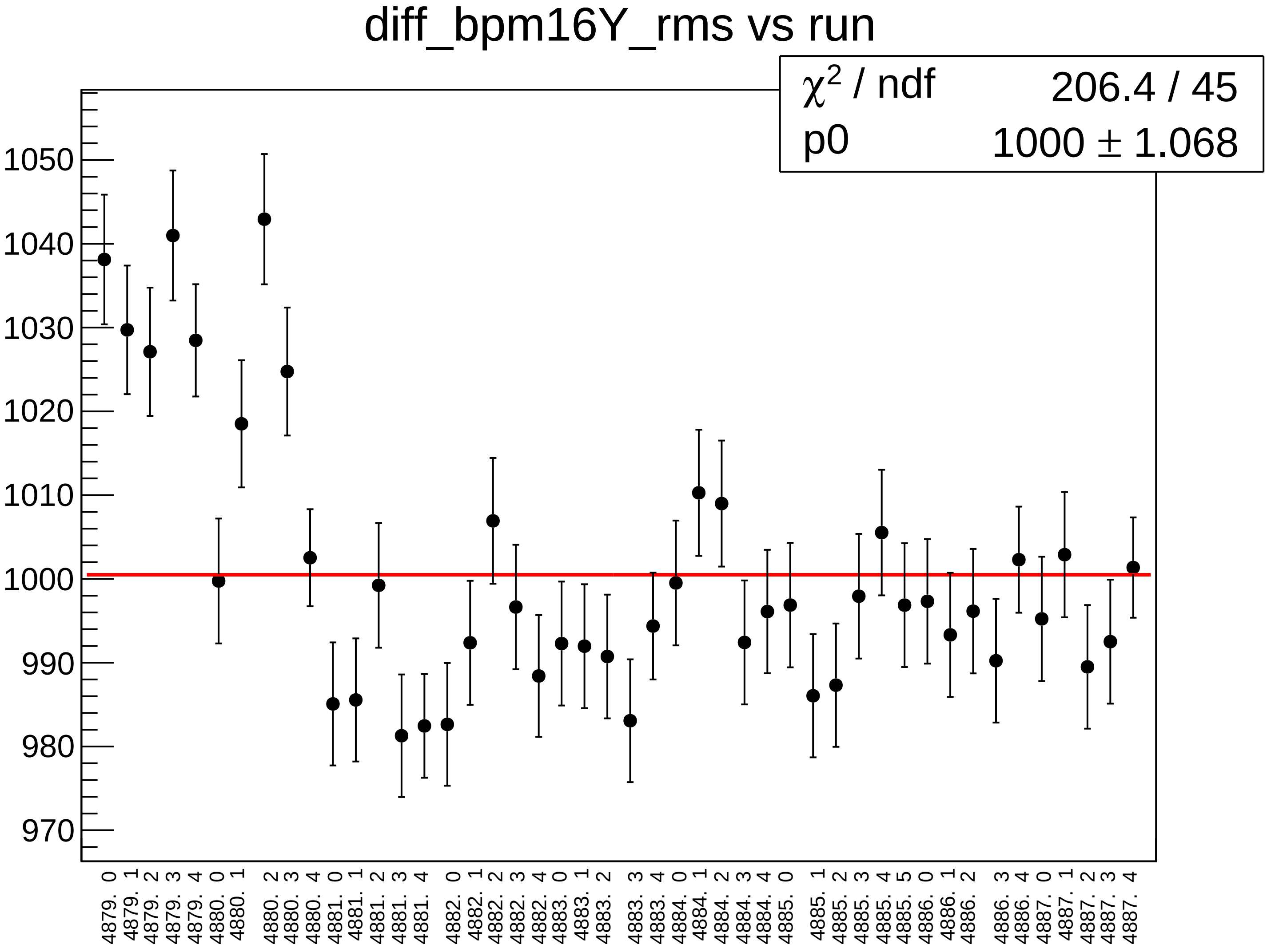
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



diff_bpm16Y_mean vs run
χ^2 / ndf 46.05 / 45
p0 1.722 ± 1.511
pull
Entries 46
Mean −207.3
Std Dev 227.4
pull1D
Entries 46
Mean 0.007745
Std Dev 1.001


diff_bpm16Y_rms vs run
χ2 / ndf 206.4 / 45
p0 1000 ± 1.068
1050
1040
1030
1020
1010
1000
990
980
970
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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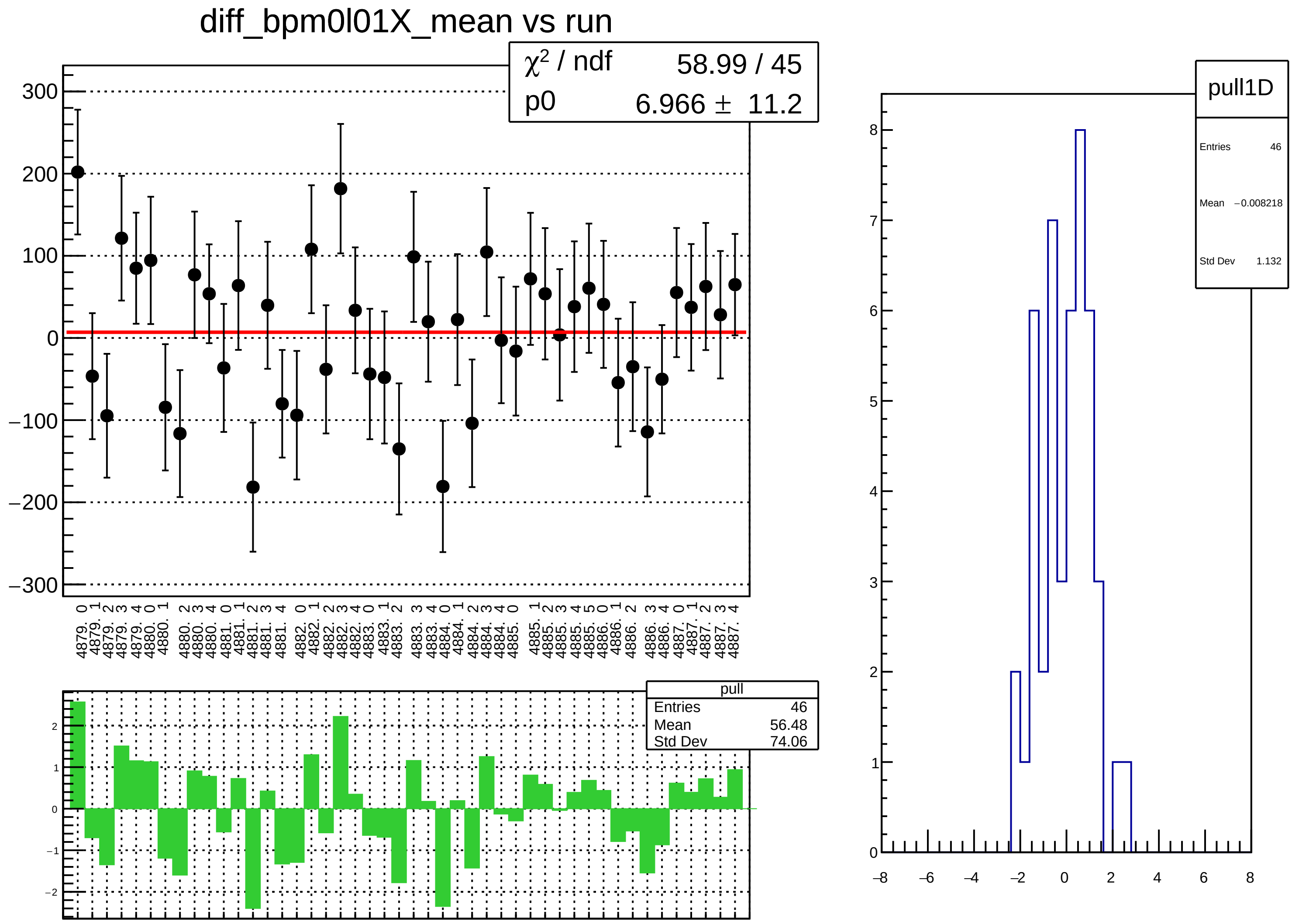
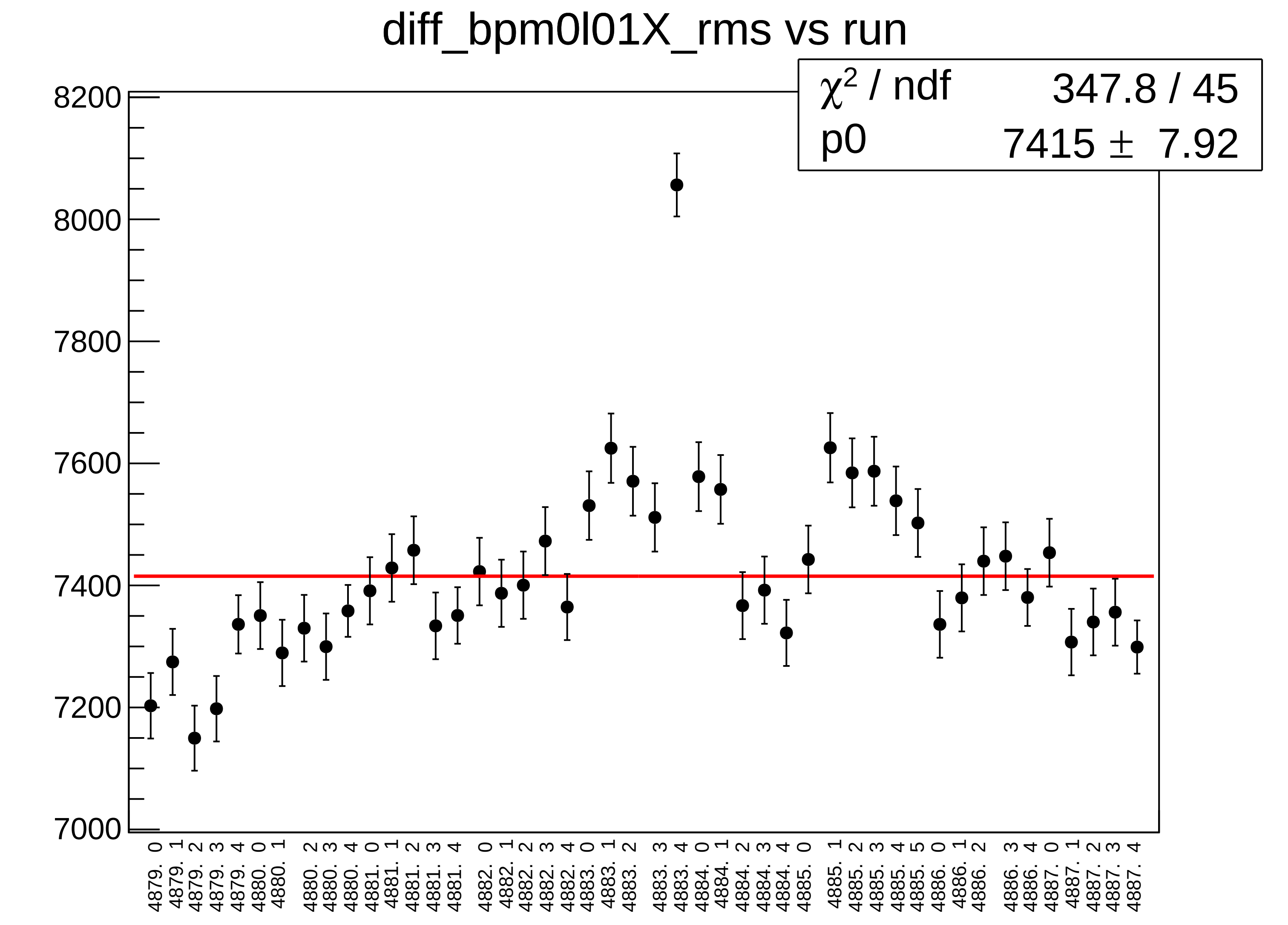
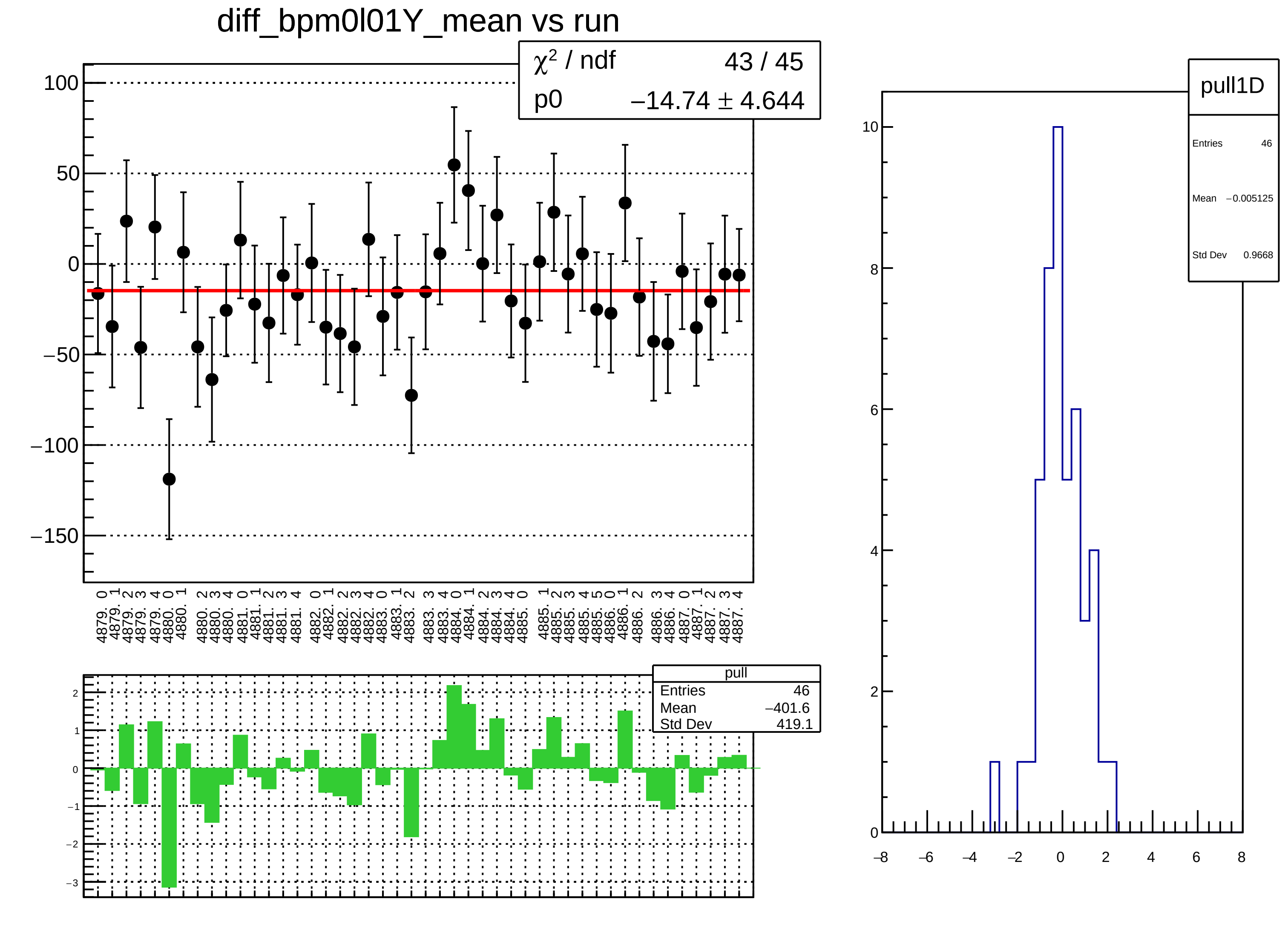
4887. 3
4887. 4

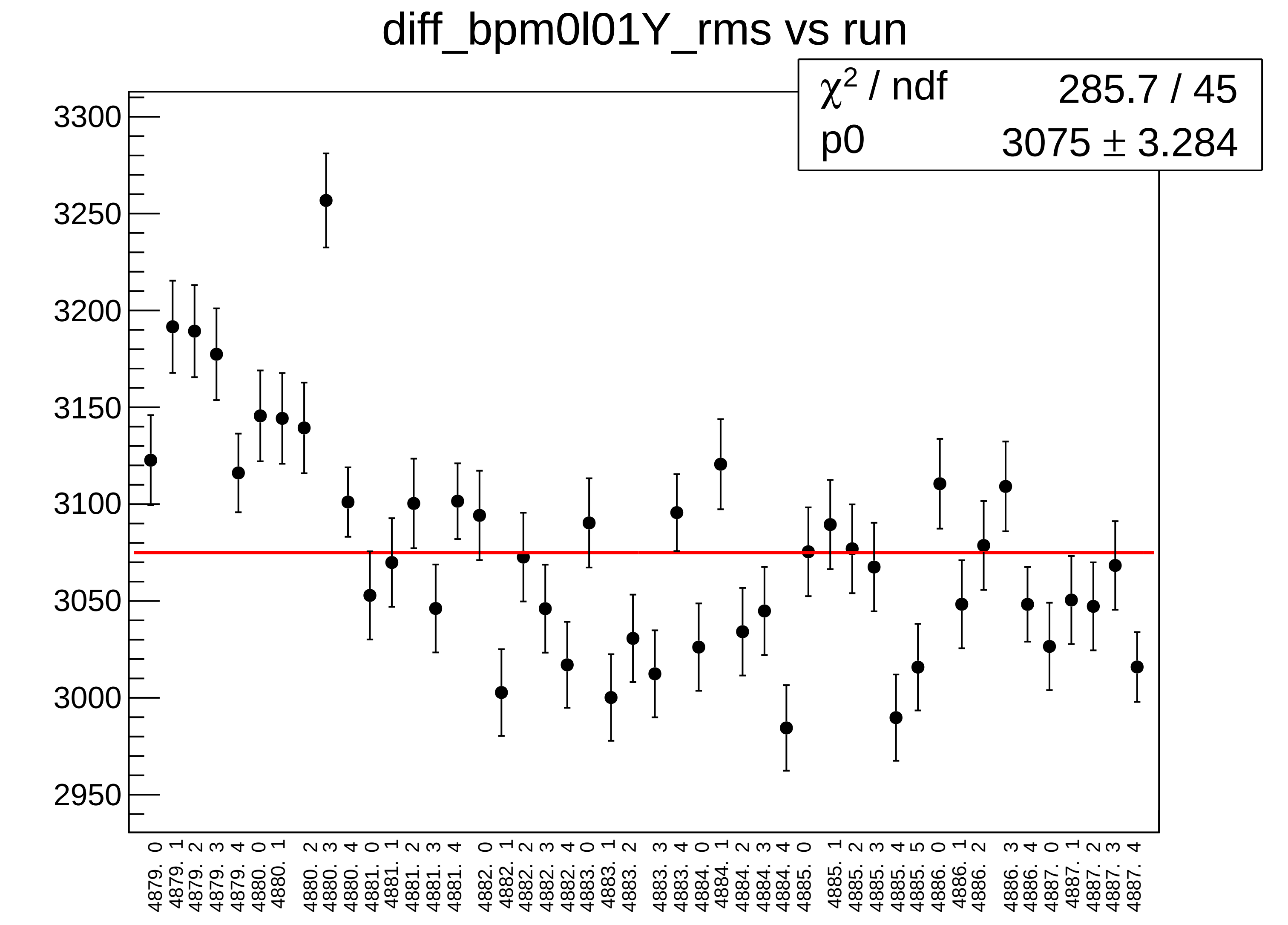


diff_bpm0l01X_mean vs run
χ2 / ndf 58.99 / 45
p0 6.966 ± 11.2
pull
Entries 46
Mean 56.48
Std Dev 74.06
pull1D
Entries 46
Mean −0.008218
Std Dev 1.132

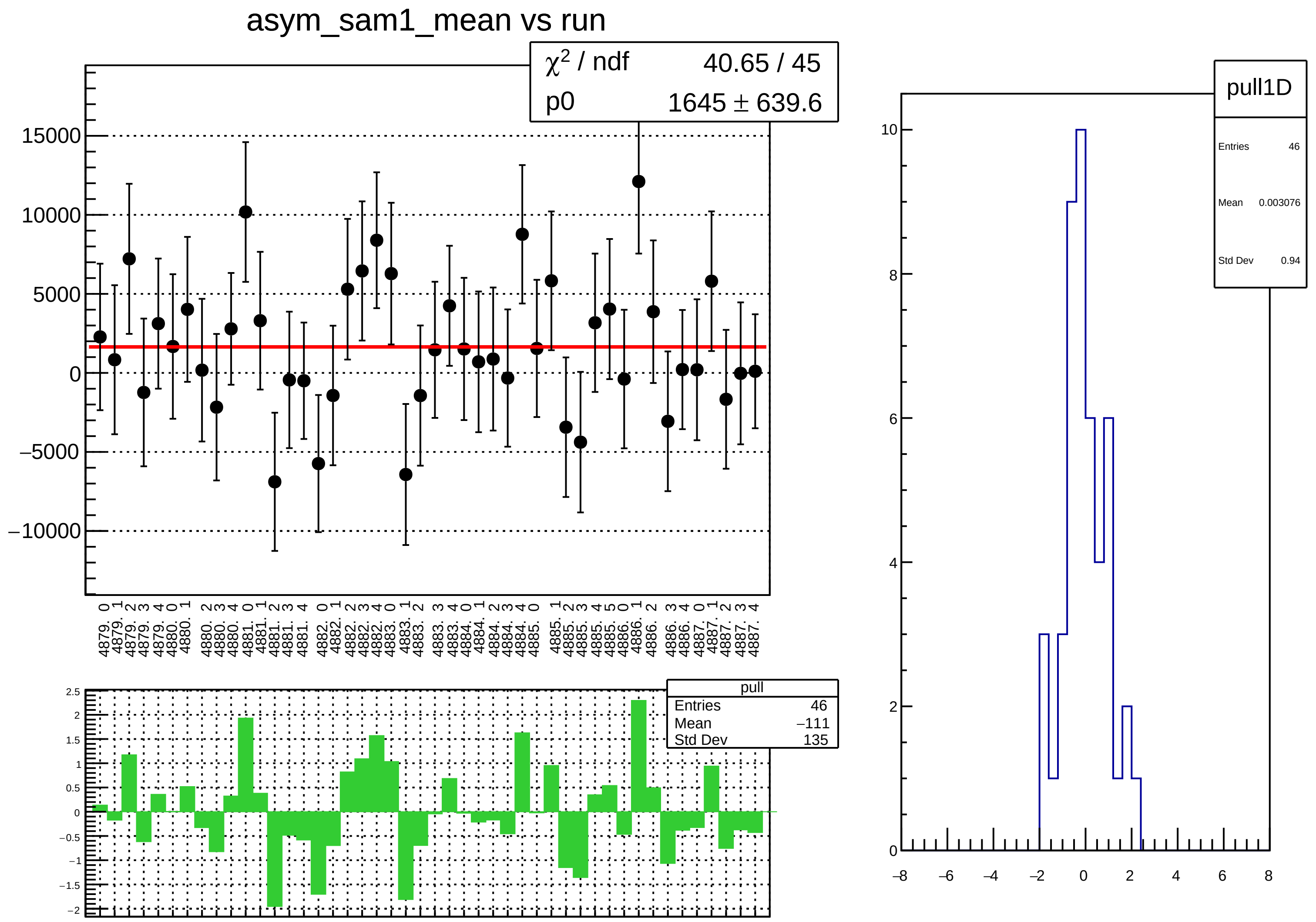

diff_bpm0l01X_rms vs run
χ^2 / ndf 347.8 / 45
p0 7415 ± 7.92
8200
8000
7800
7600
7400
7200
7000



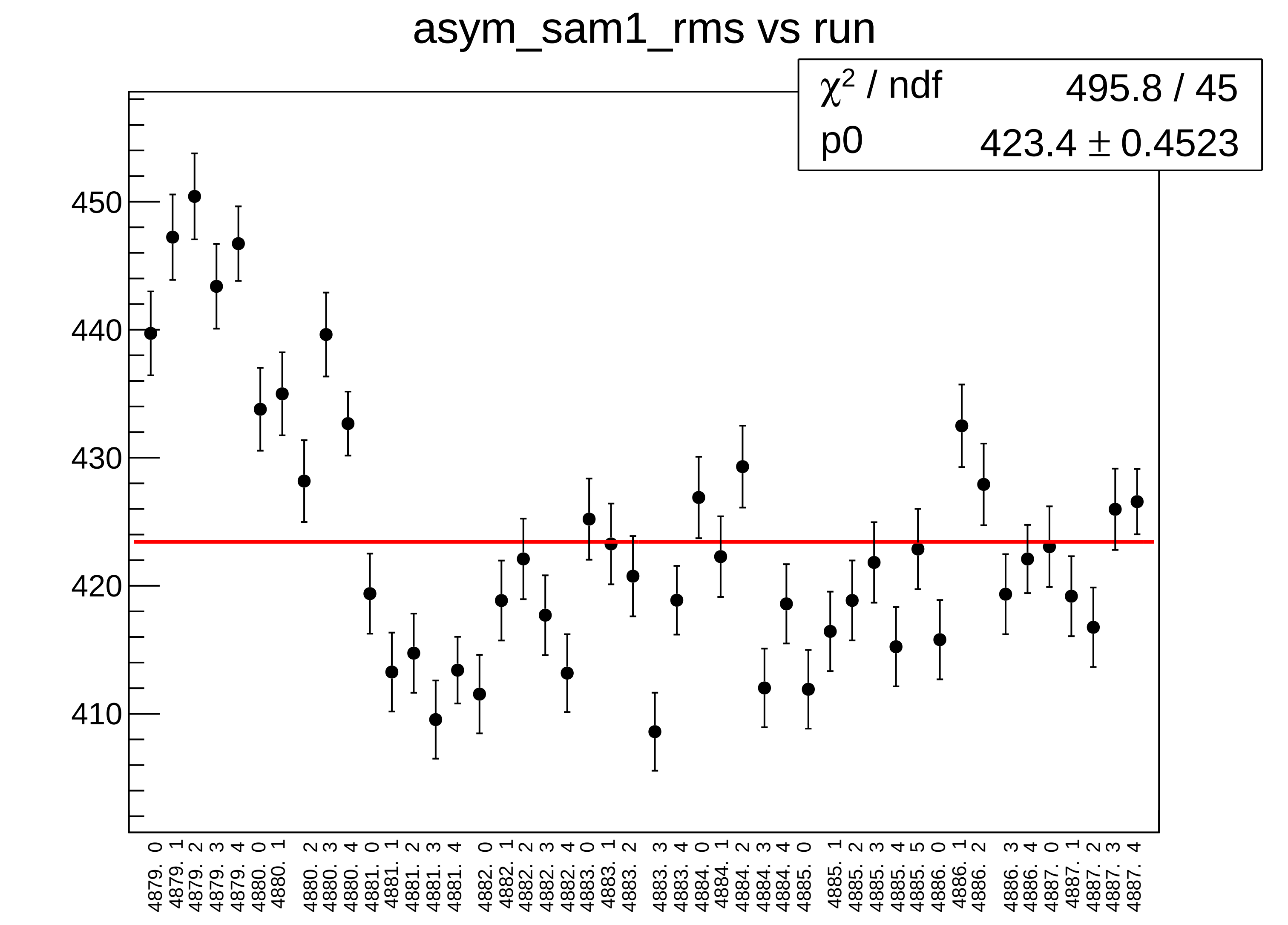
diff_bpm0l01Y_mean vs run
χ2 / ndf 43 / 45
p0 −14.74 ± 4.644
pull
Entries 46
Mean −401.6
Std Dev 419.1
pull1D
Entries 46
Mean −0.005125
Std Dev 0.9668

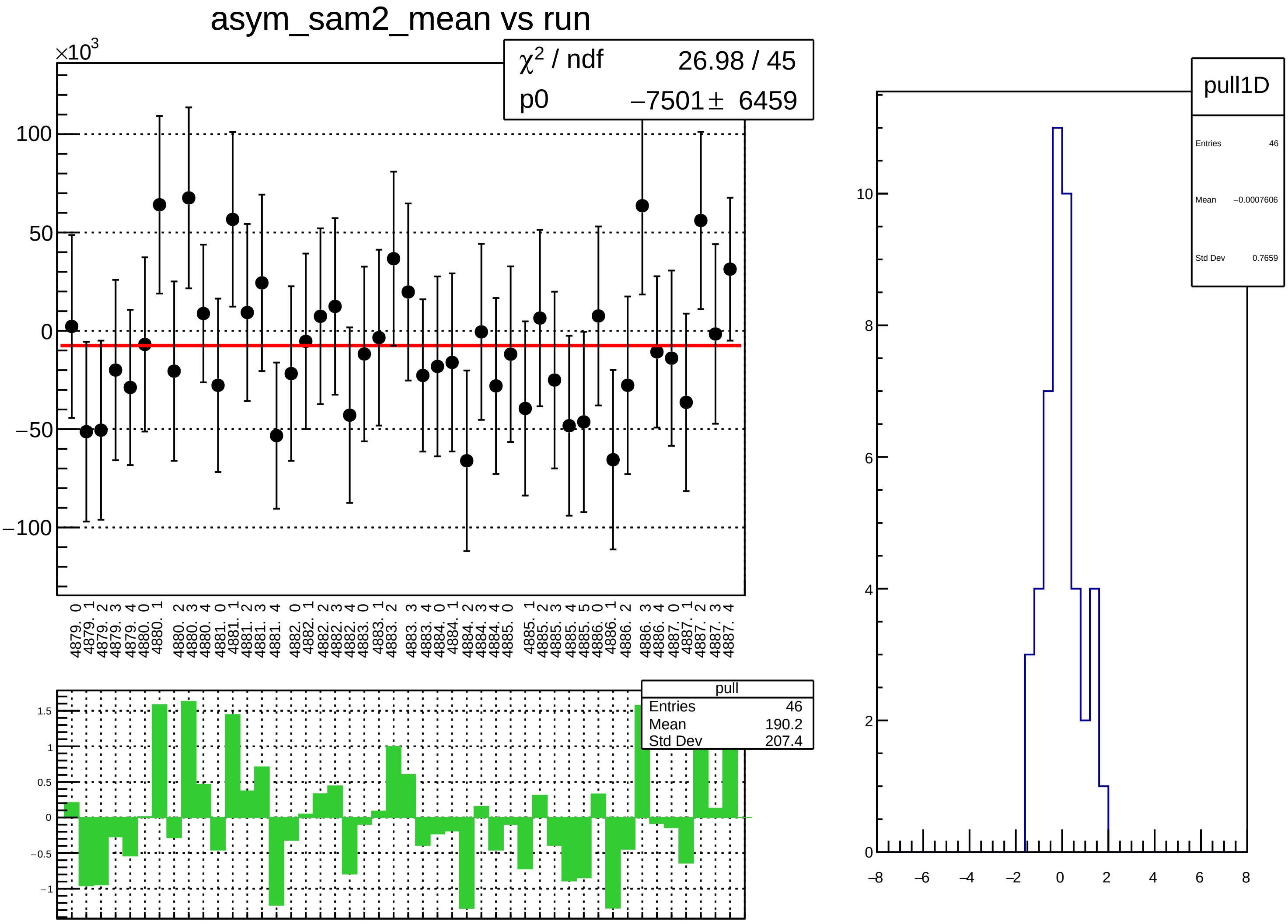


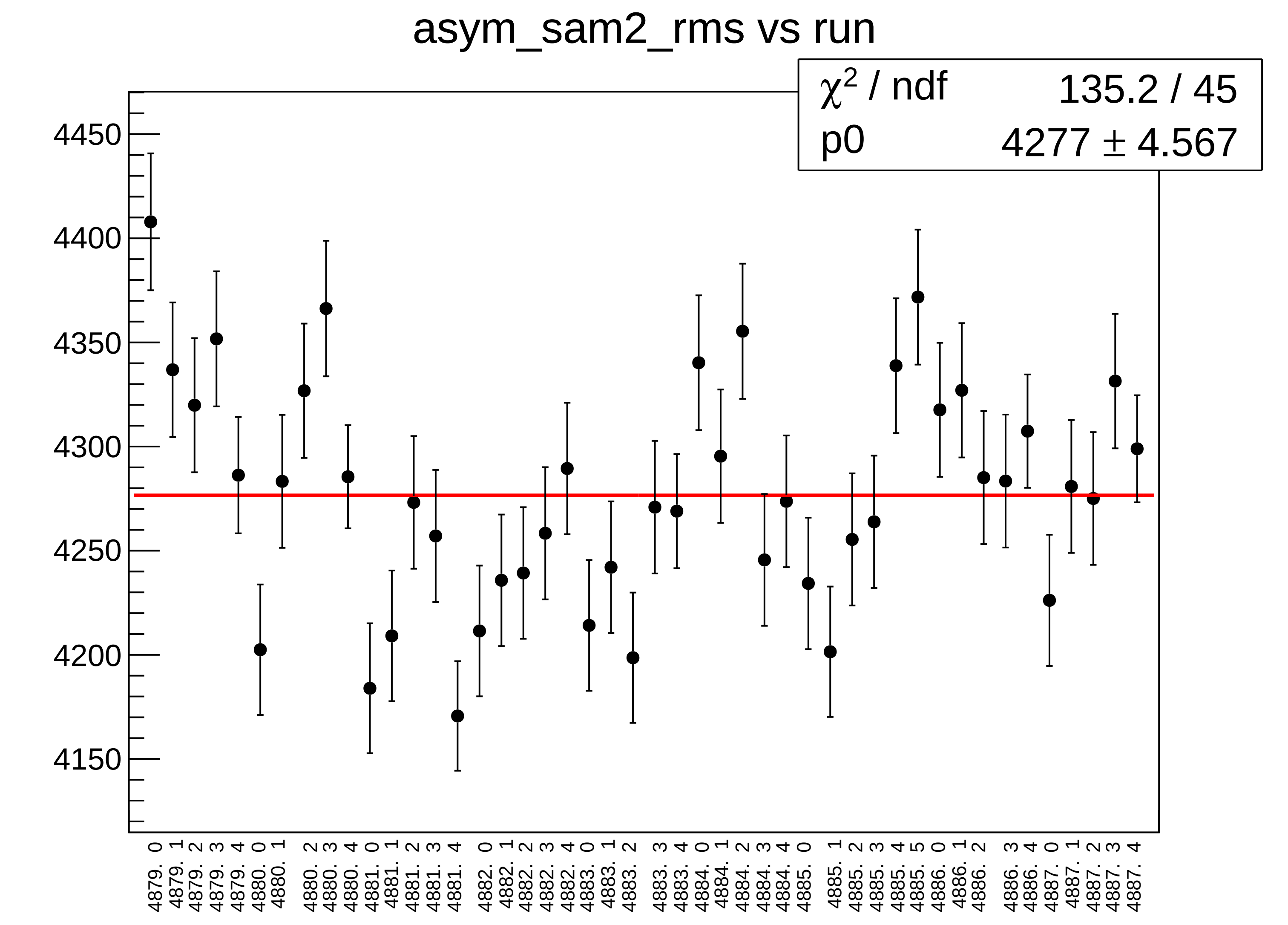
diff_bpm0l01Y_rms vs run
χ^2 / ndf 285.7 / 45
p0 3075 ± 3.284
3300
3250
3200
3150
3100
3050
3000
2950
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

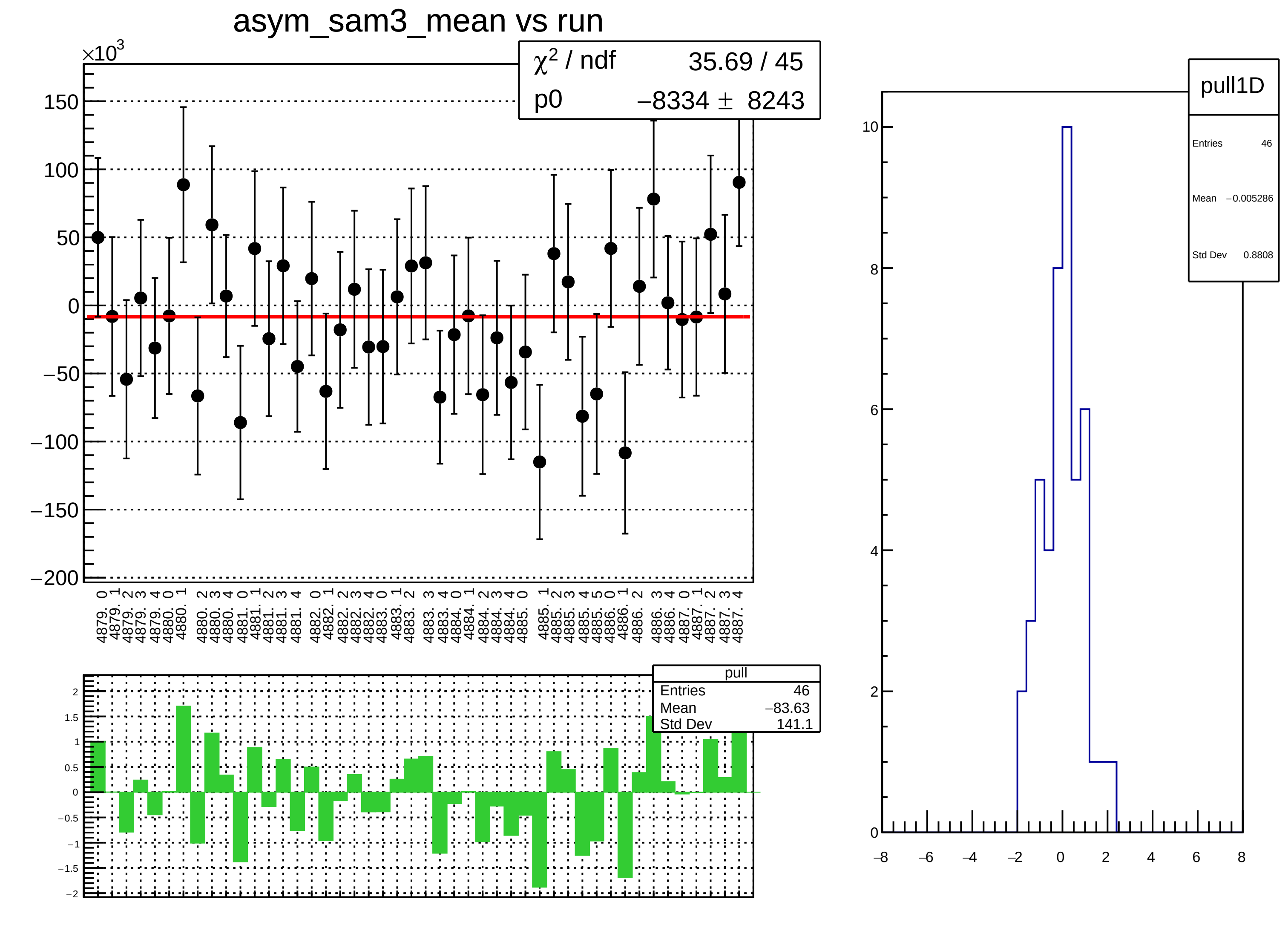


asym_sam1_mean vs run
χ^2 / ndf 40.65 / 45
p0 1645 ± 639.6
pull
Entries 46
Mean −111
Std Dev 135
pull1D
Entries 46
Mean 0.003076
Std Dev 0.94

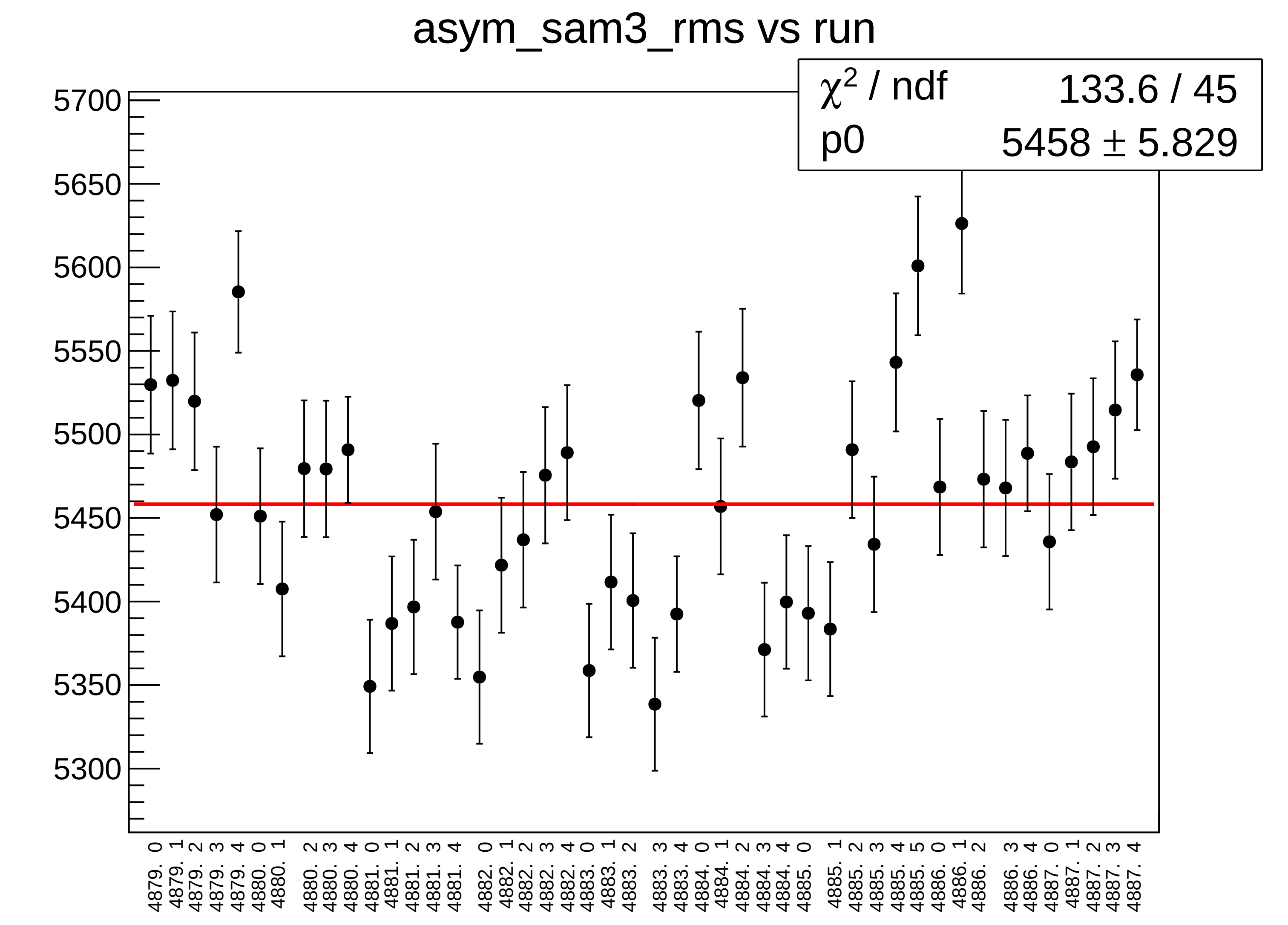

asym_sam1_rms vs run
χ^2 / ndf 495.8 / 45
p0 423.4 ± 0.4523
450
440
430
420
410
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_sam2_mean vs run
χ^2 / ndf 26.98 / 45
p0 −7501 ± 6459
pull
Entries 46
Mean 190.2
Std Dev 207.4
pull1D
Entries 46
Mean −0.0007606
Std Dev 0.7659

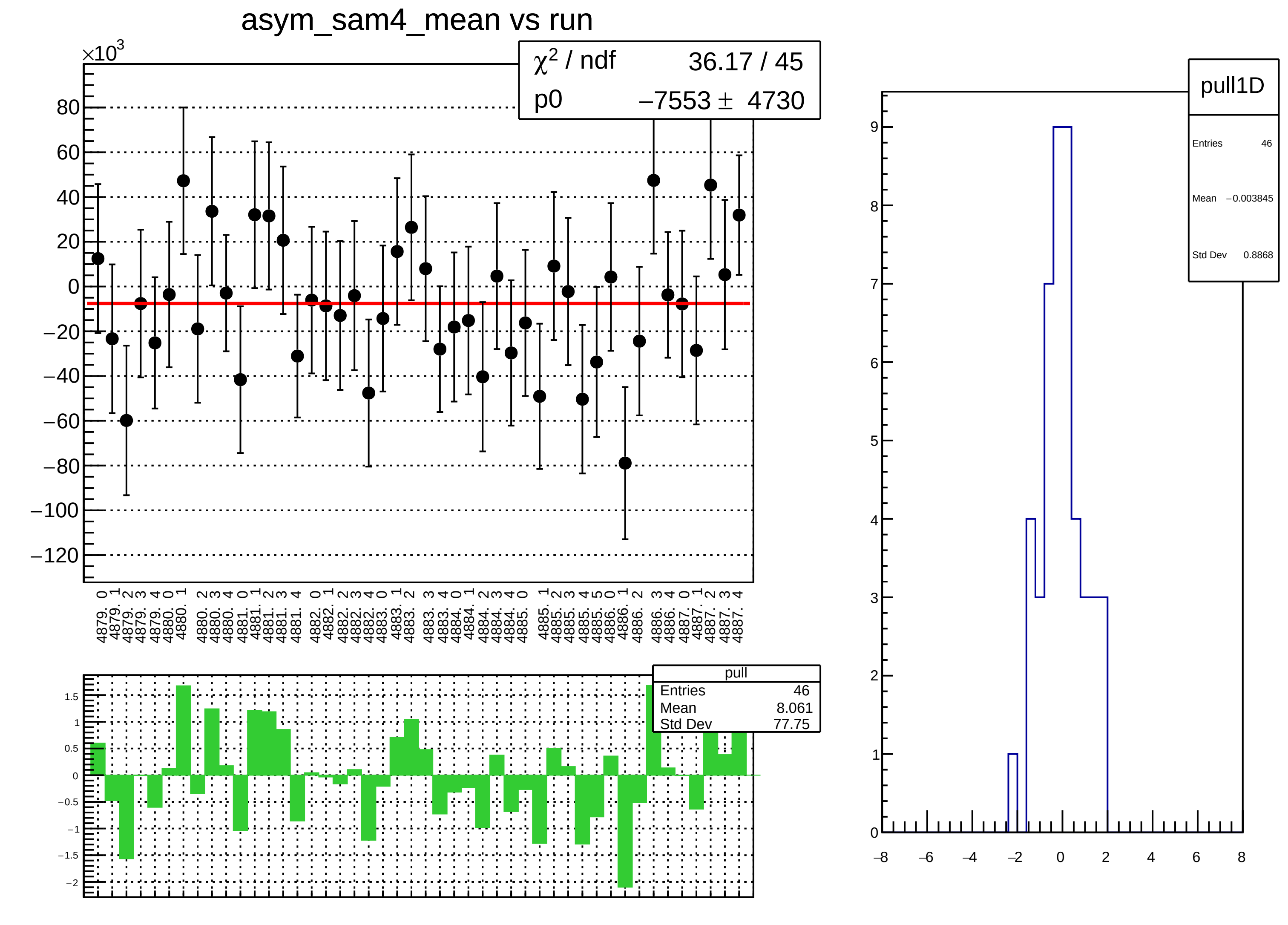

asym_sam2_rms vs run
χ2 / ndf 135.2 / 45
p0 4277 ± 4.567
4450
4400
4350
4300
4250
4200
4150
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

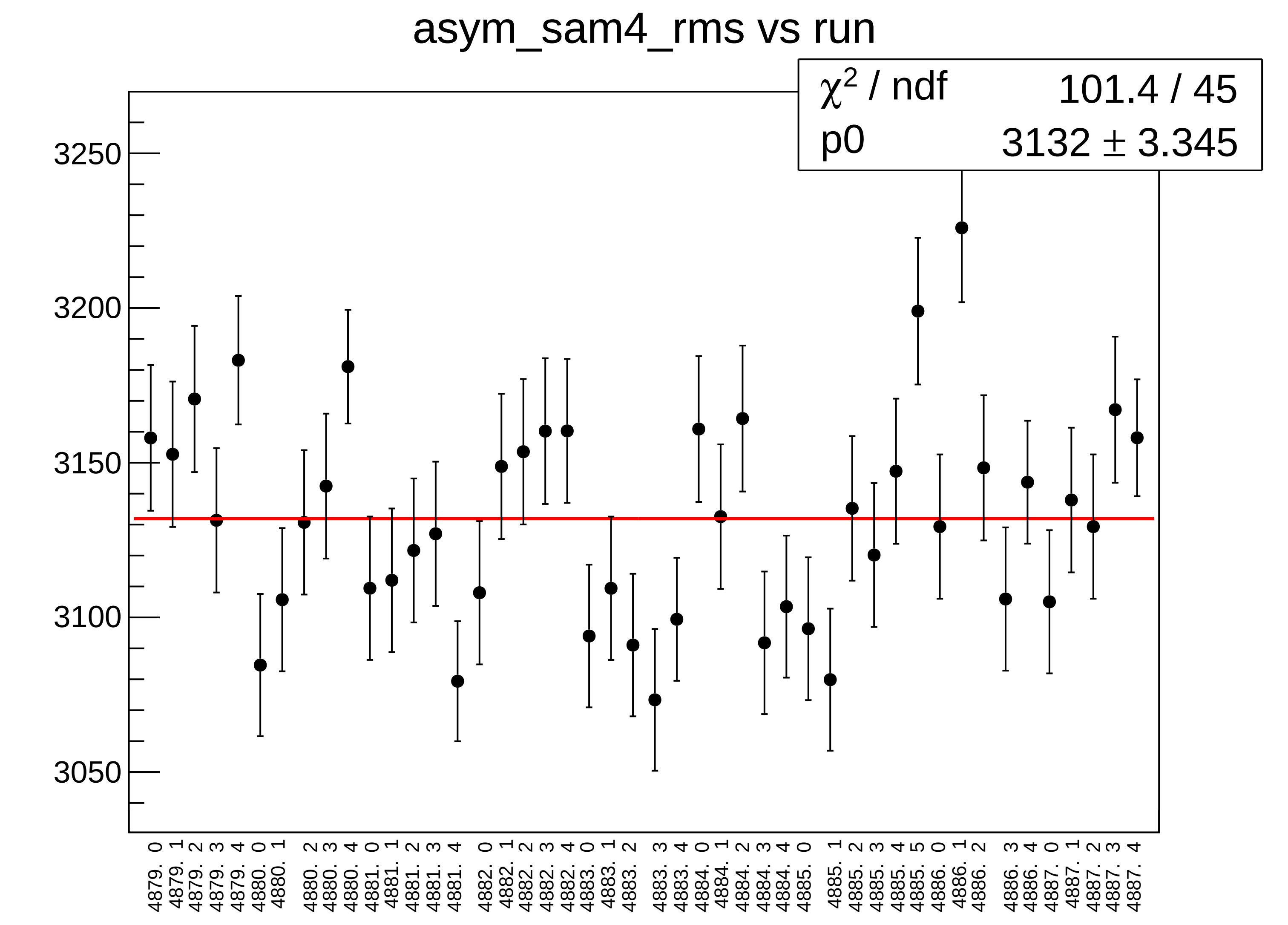


asym_sam3_mean vs run
χ2 / ndf 35.69 / 45
p0 −8334 ± 8243
pull
Entries 46
Mean −83.63
Std Dev 141.1
pull1D
Entries 46
Mean −0.005286
Std Dev 0.8808

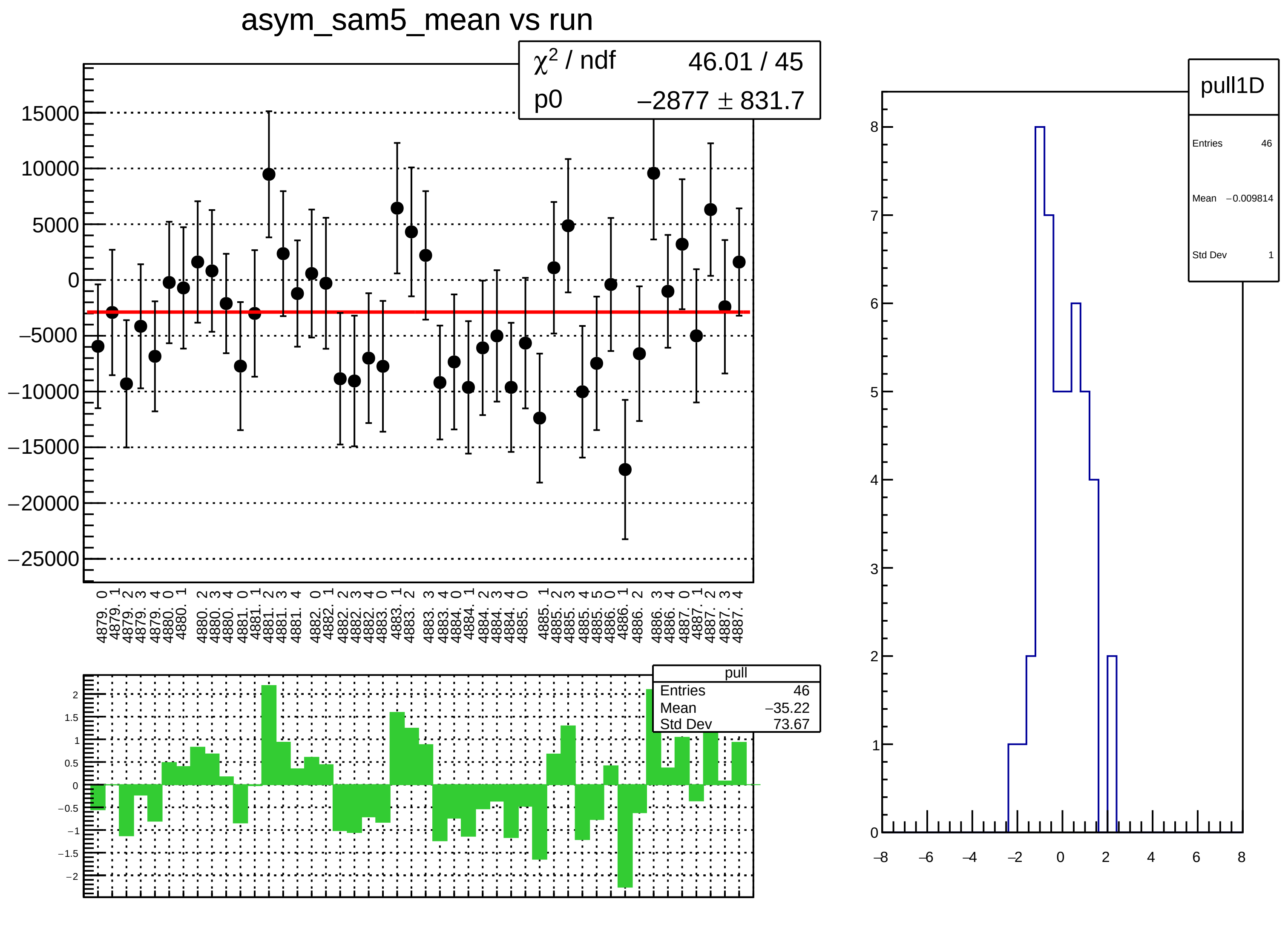


asym_sam3_rms vs run
χ^2 / ndf 133.6 / 45
p0 5458 ± 5.829
5700
5650
5600
5550
5500
5450
5400
5350
5300
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

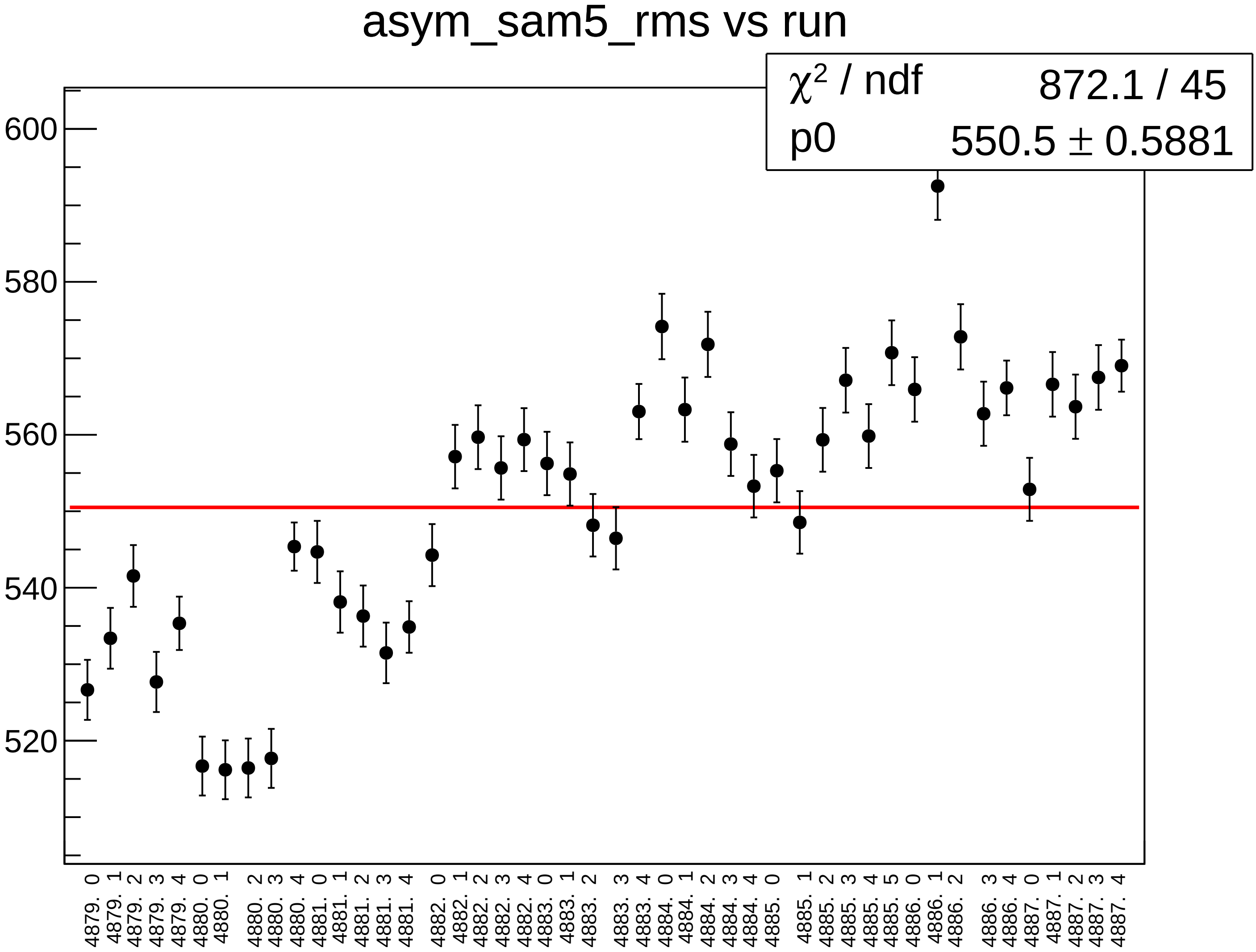

asym_sam4_mean vs run
×10^3
χ2 / ndf 36.17 / 45
p0 −7553 ± 4730
pull
Entries 46
Mean 8.061
Std Dev 77.75
pull1D
Entries 46
Mean −0.003845
Std Dev 0.8868



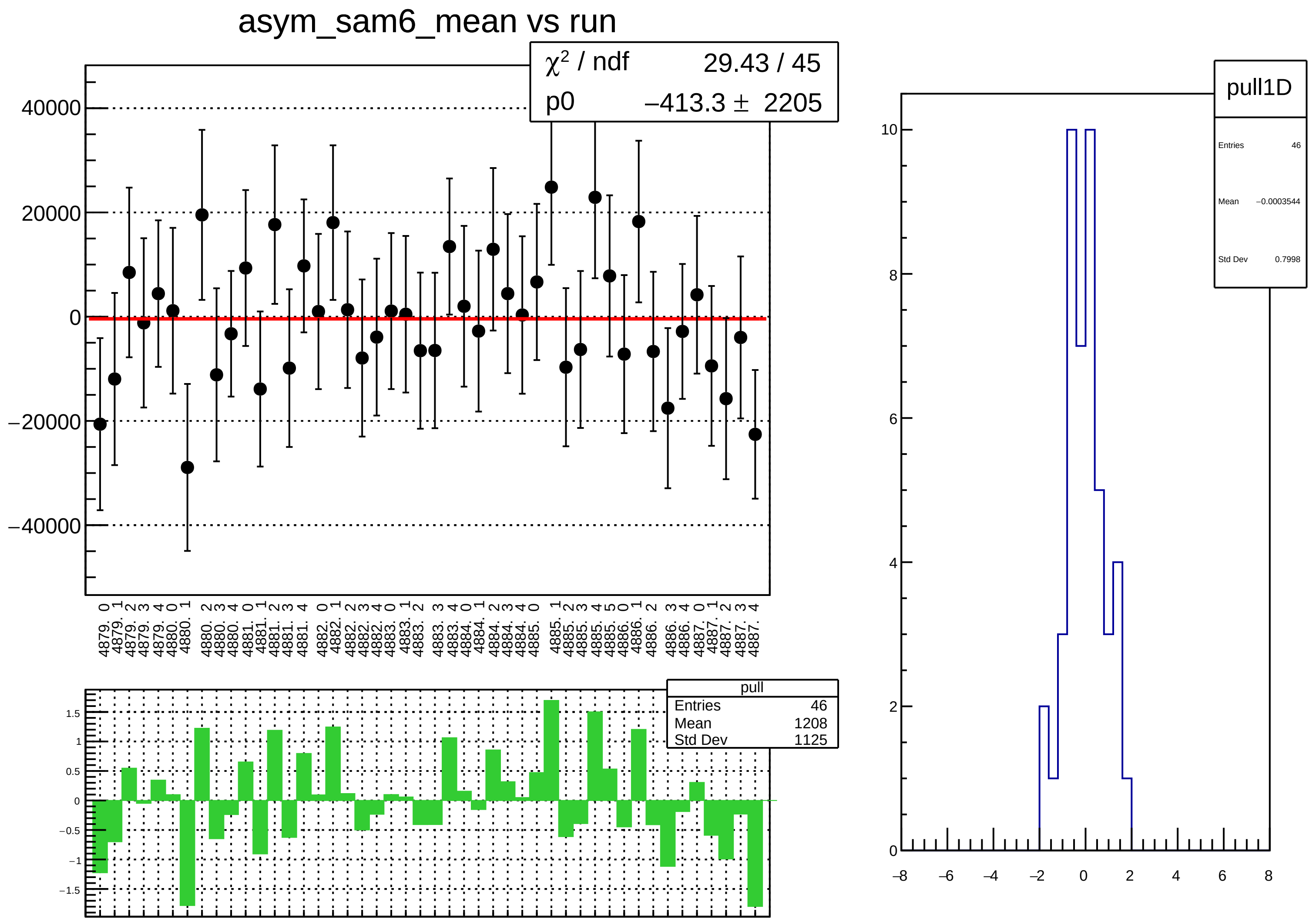
asym_sam4_rms vs run
χ^2 / ndf 101.4 / 45
p0 3132 ± 3.345
3250
3200
3150
3100
3050
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



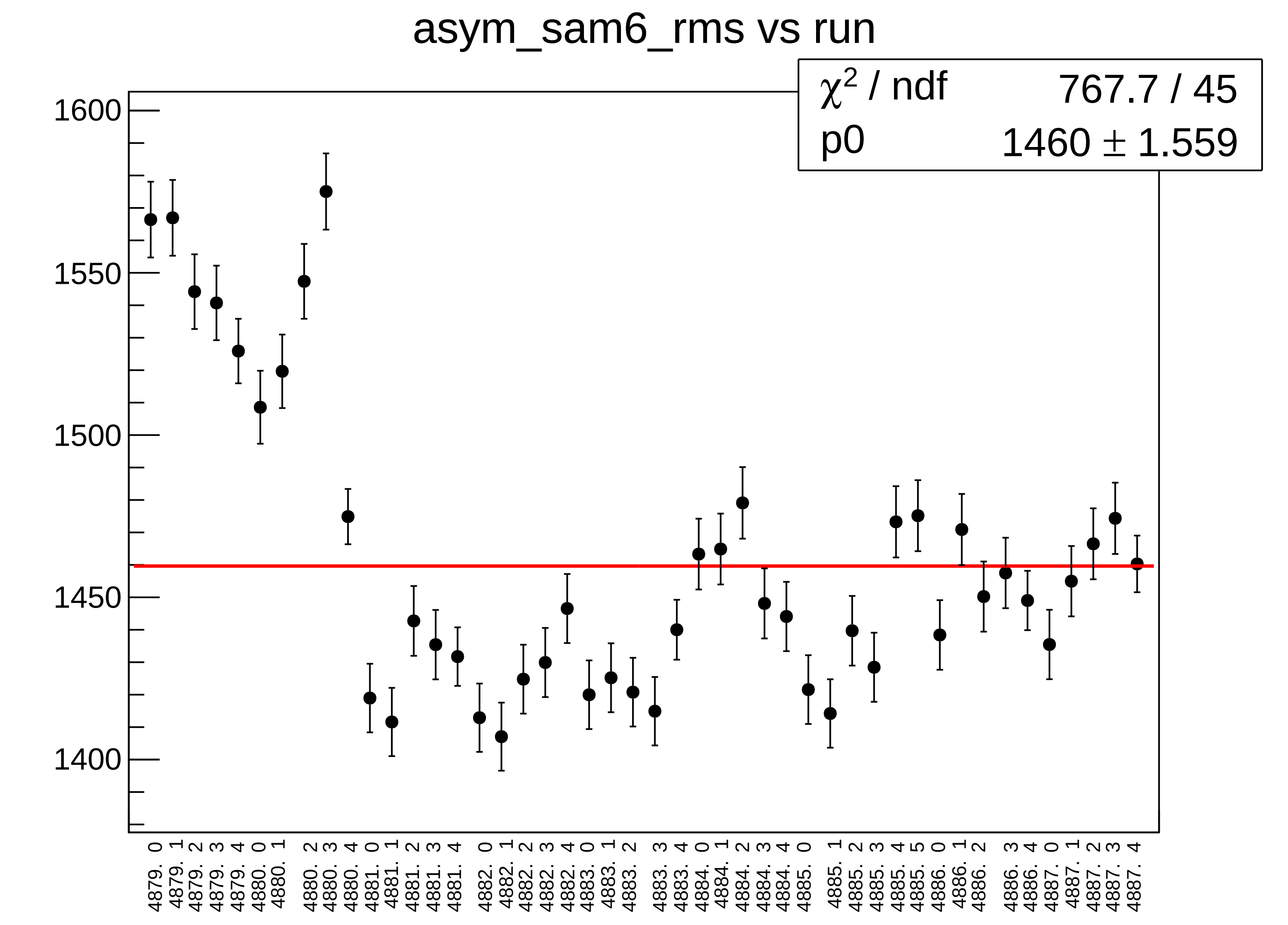
asym_sam5_mean vs run
χ^2 / ndf 46.01 / 45
p0 −2877 ± 831.7
pull
Entries 46
Mean −35.22
Std Dev 73.67
pull1D
Entries 46
Mean −0.009814
Std Dev 1



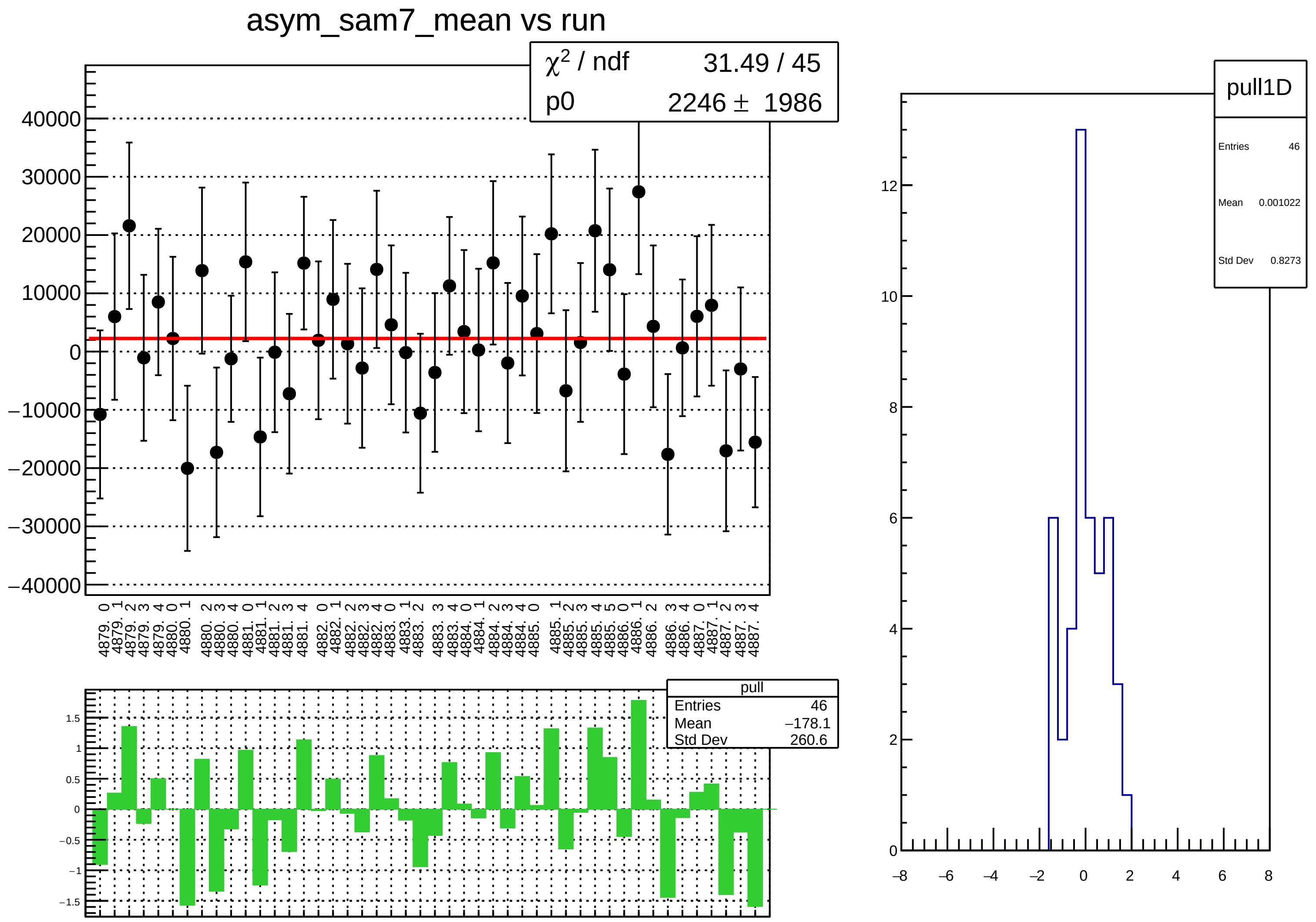
asym_sam5_rms vs run
χ2 / ndf 872.1 / 45
p0 550.5 ± 0.5881
600
580
560
540
520



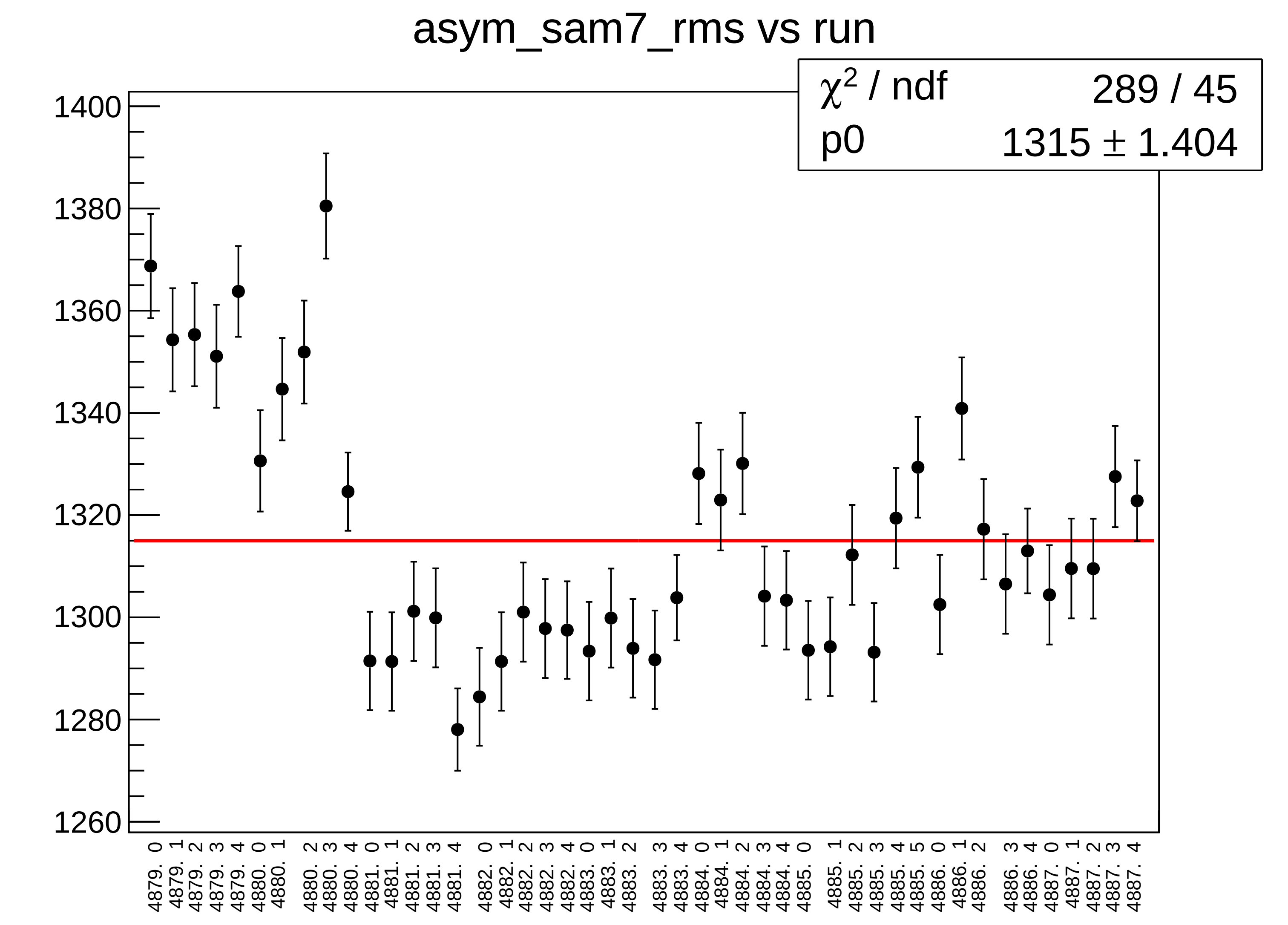
asym_sam6_mean vs run
χ^2 / ndf 29.43 / 45
p0 −413.3 ± 2205
pull
Entries 46
Mean 1208
Std Dev 1125
pull1D
Entries 46
Mean −0.0003544
Std Dev 0.7998

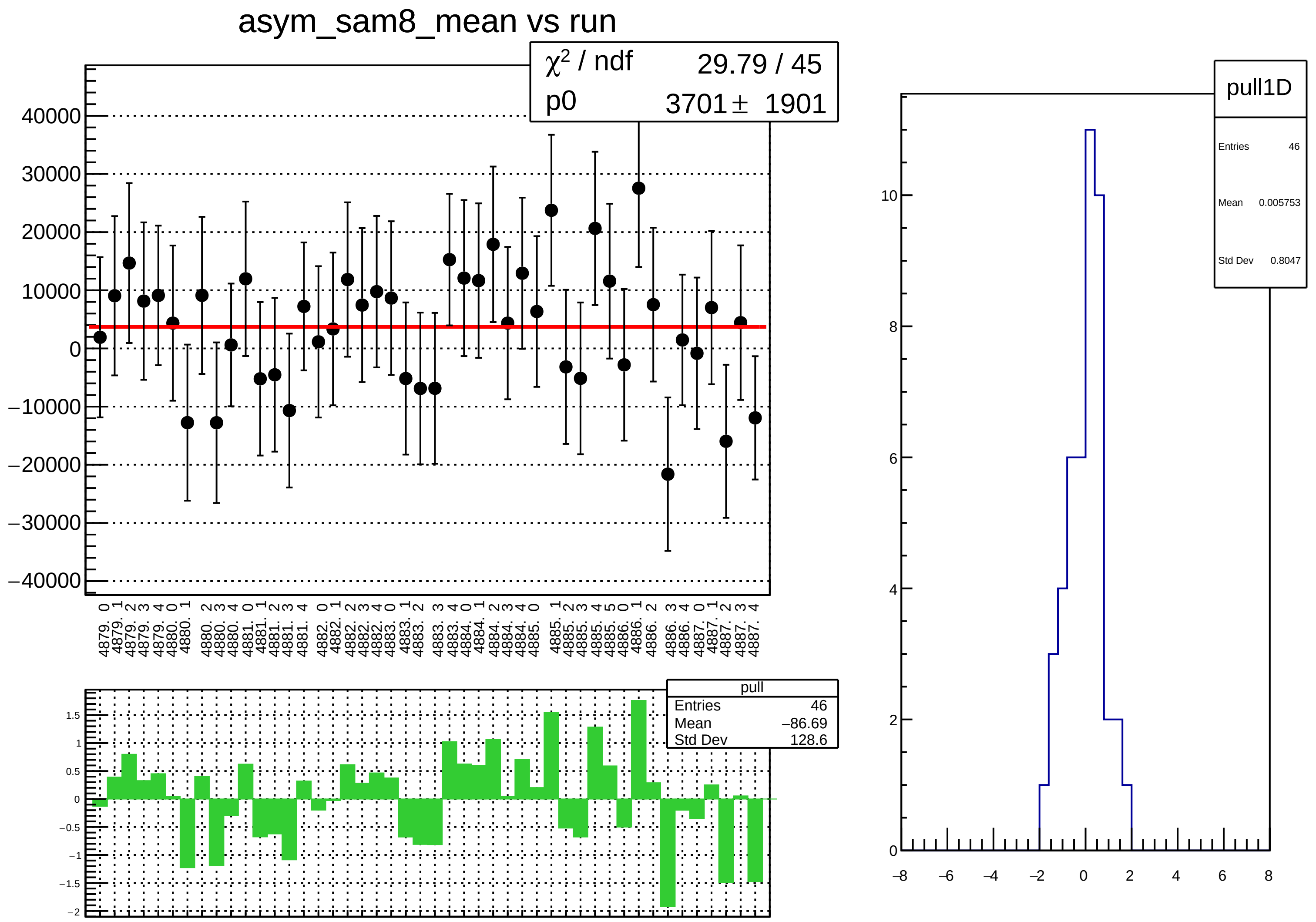


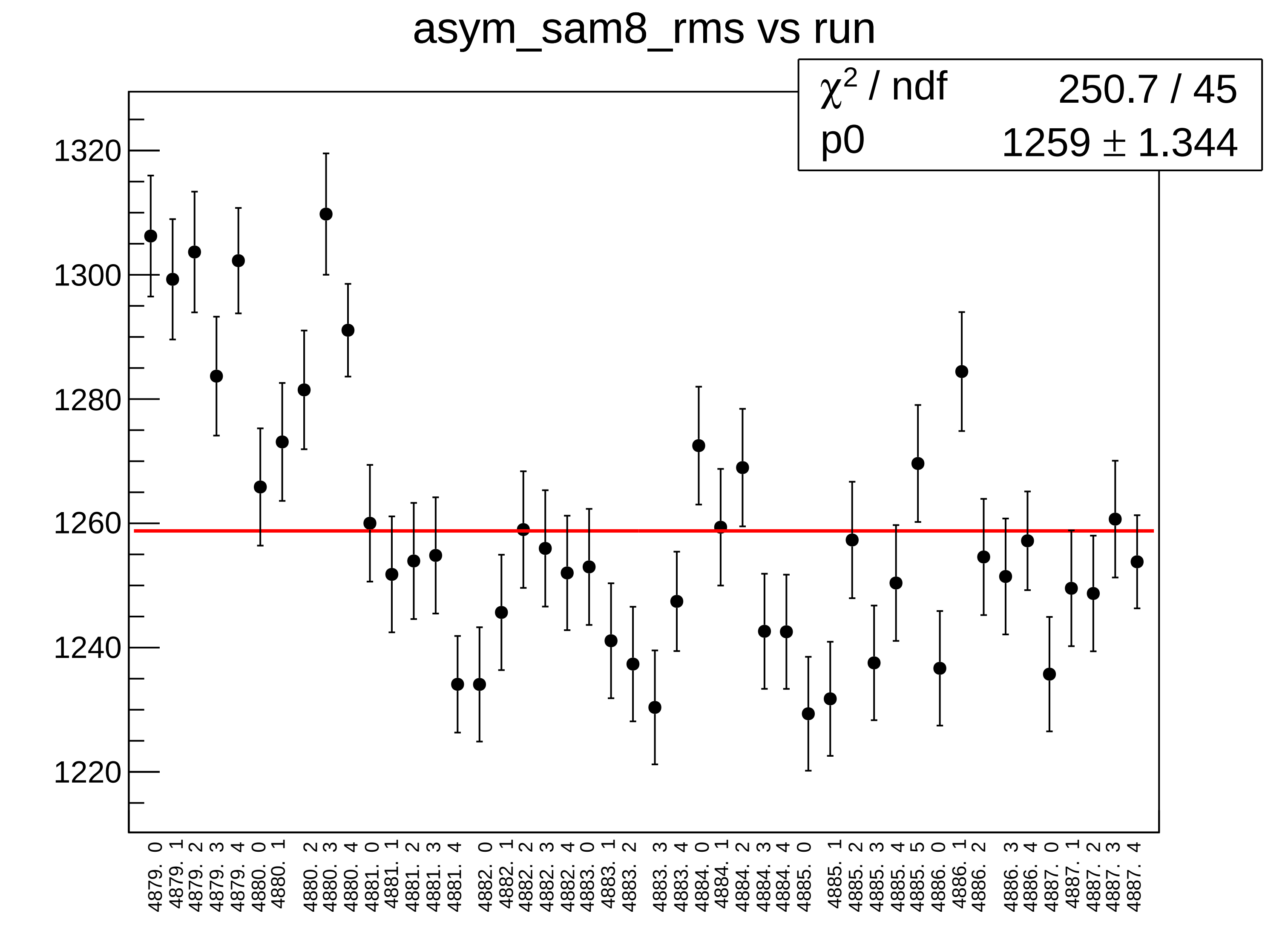
asym_sam6_rms vs run
χ^2 / ndf 767.7 / 45
p0 1460 ± 1.559
1600
1550
1500
1450
1400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



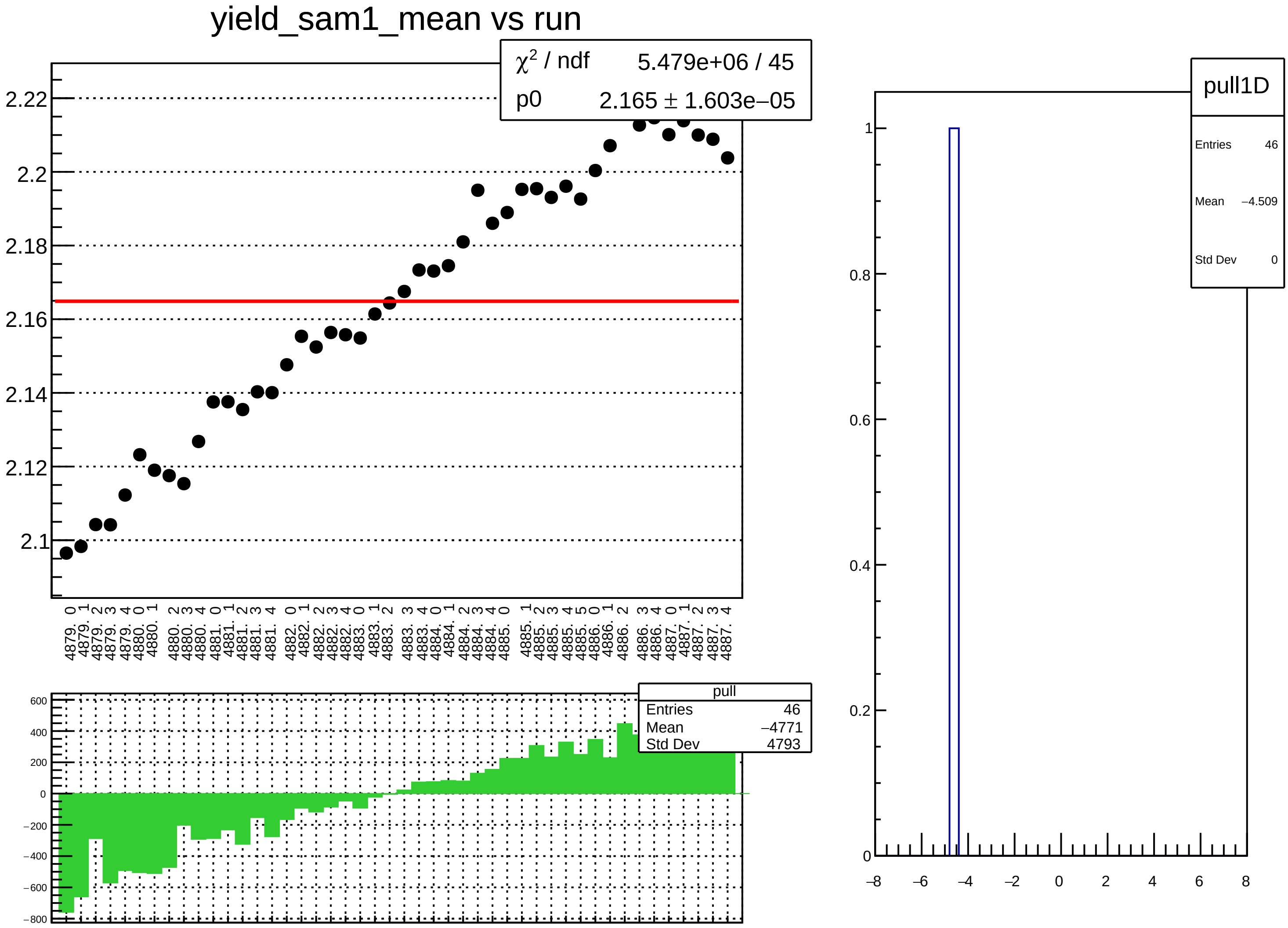
asym_sam7_mean vs run
χ^2 / ndf 31.49 / 45
p0 2246 ± 1986
pull
Entries 46
Mean −178.1
Std Dev 260.6
pull1D
Entries 46
Mean 0.001022
Std Dev 0.8273


asym_sam7_rms vs run
χ2 / ndf 289 / 45
p0 1315 ± 1.404
1400
1380
1360
1340
1320
1300
1280
1260

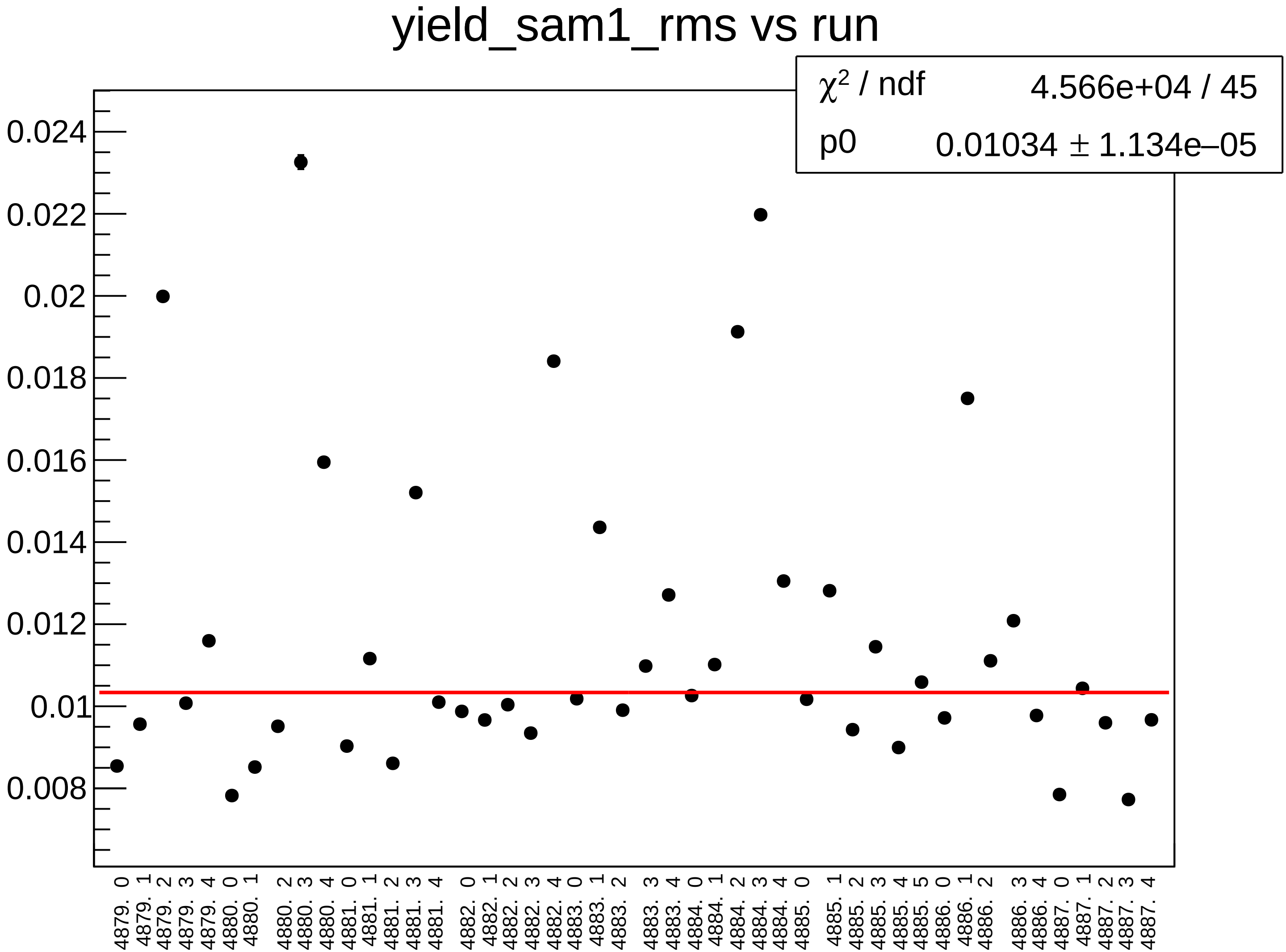

asym_sam8_mean vs run
χ^2 / ndf 29.79 / 45
p0 3701 ± 1901
pull
Entries 46
Mean −86.69
Std Dev 128.6
pull1D
Entries 46
Mean 0.005753
Std Dev 0.8047

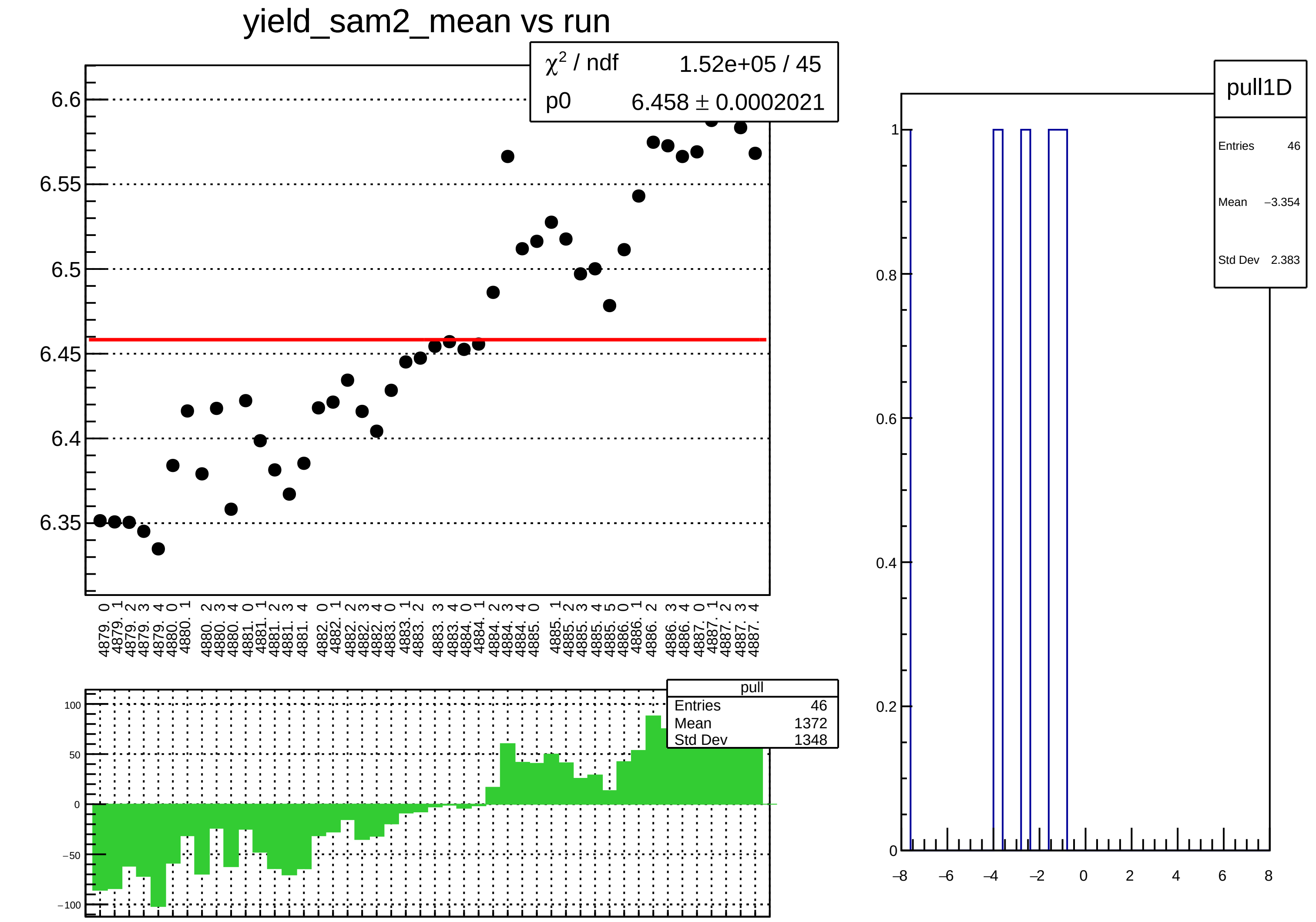


asym_sam8_rms vs run
χ^2 / ndf 250.7 / 45
p0 1259 ± 1.344
1320
1300
1280
1260
1240
1220
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

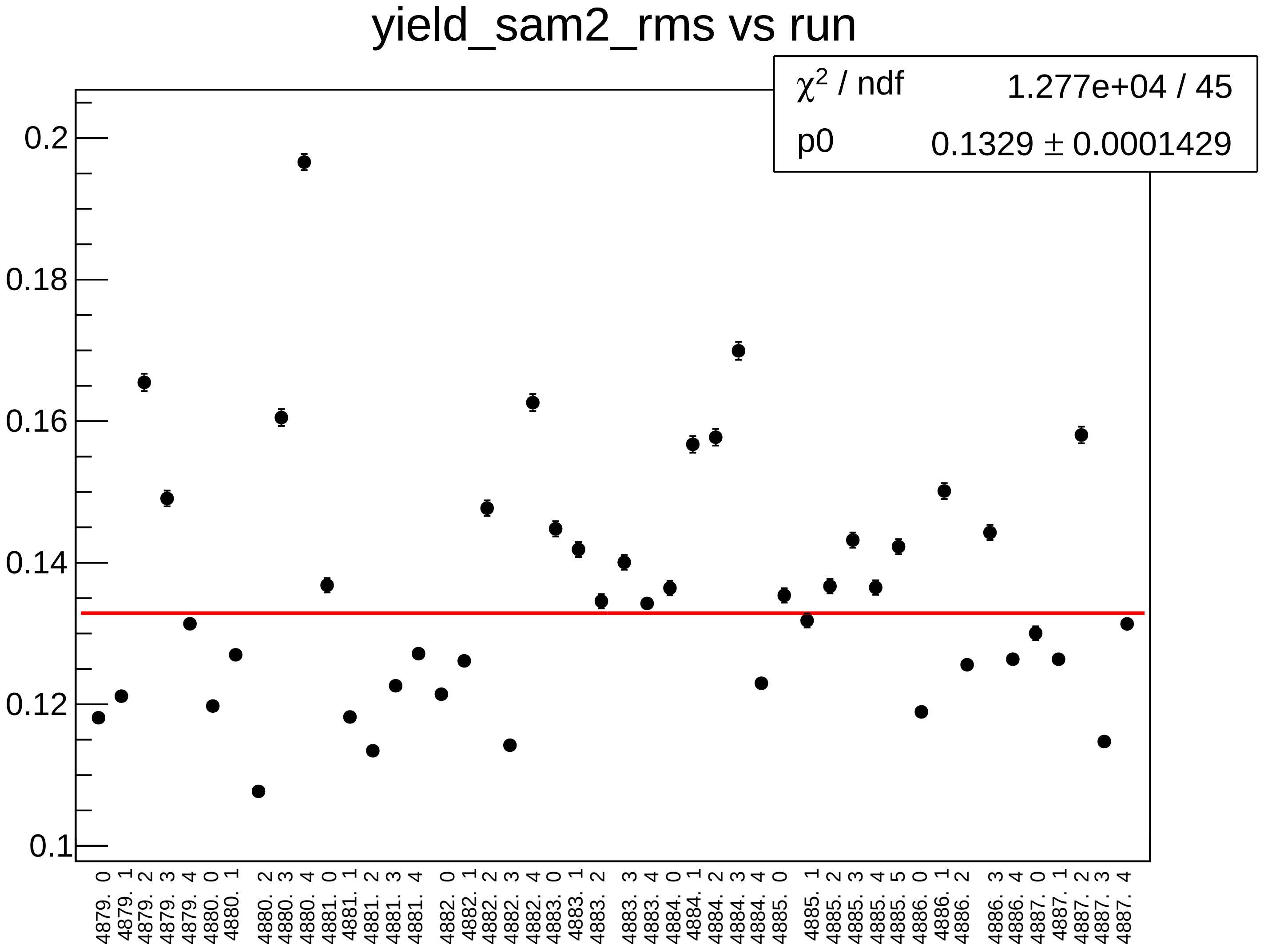


yield_sam1_mean vs run
χ2 / ndf 5.479e+06 / 45
p0 2.165 ± 1.603e−05
pull
Entries 46
Mean −4771
Std Dev 4793
pull1D
Entries 46
Mean −4.509
Std Dev 0

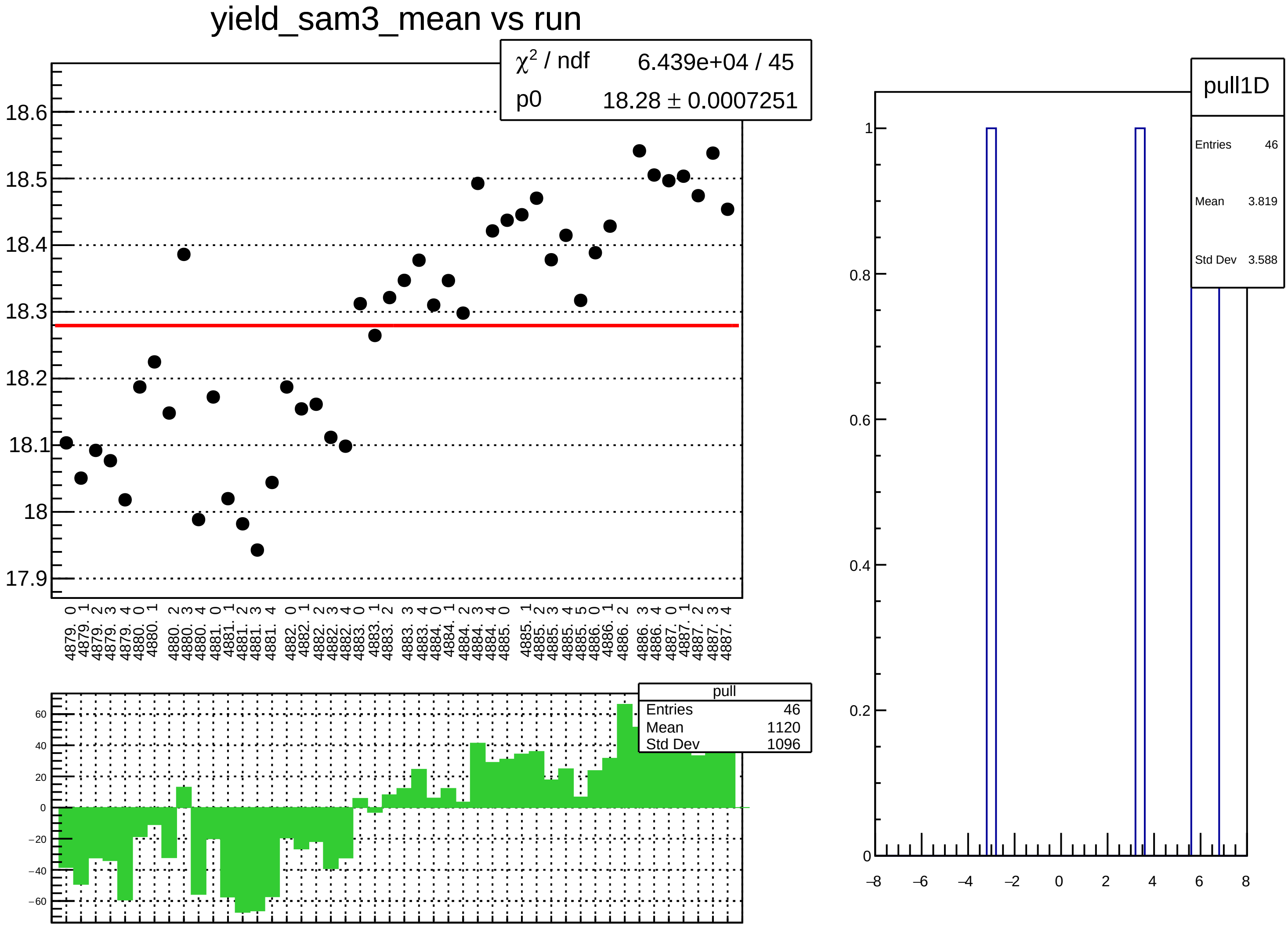

yield_sam1_rms vs run
χ^2 / ndf 4.566e+04 / 45
p0 0.01034 ± 1.134e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

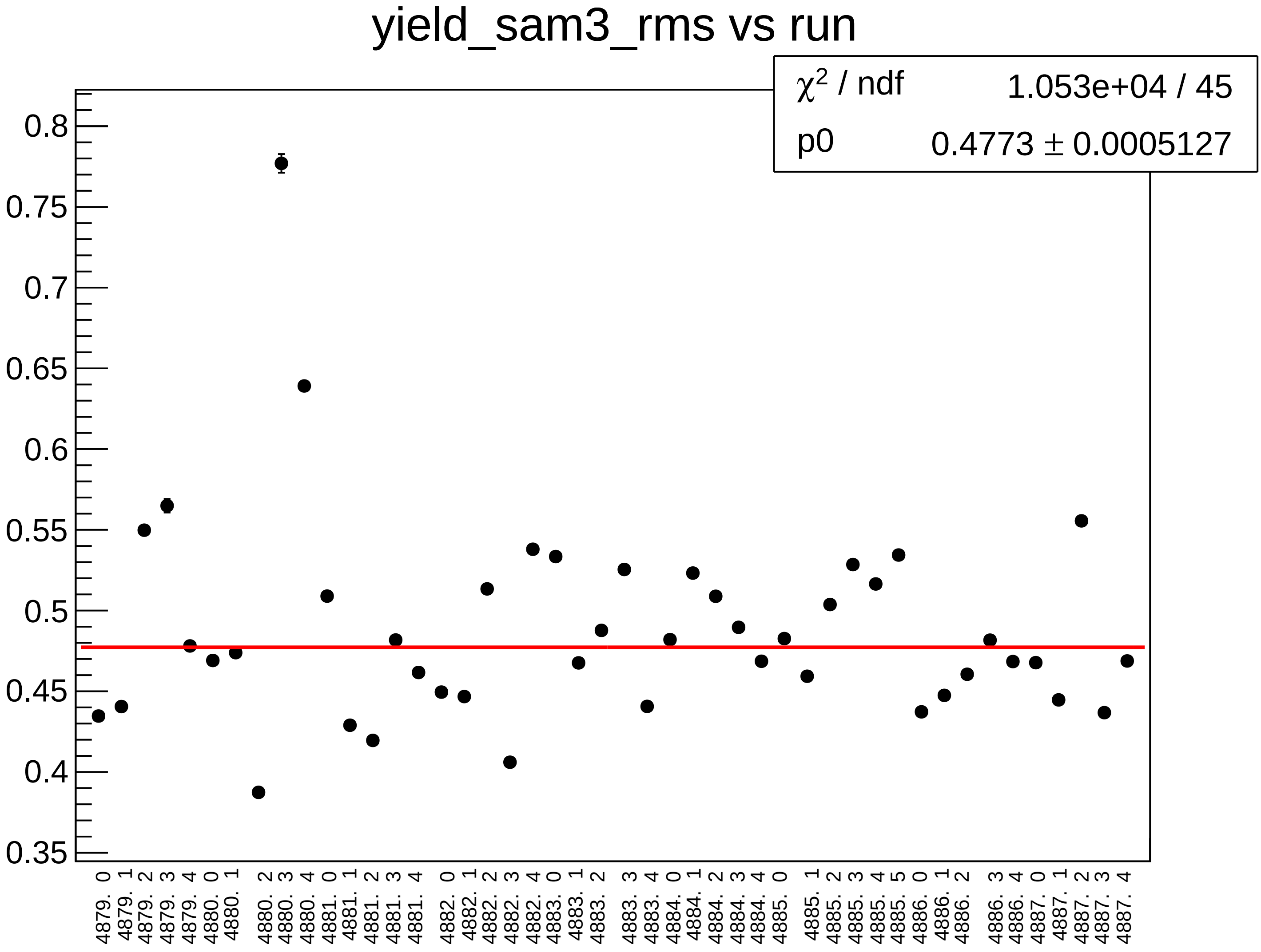


yield_sam2_mean vs run
χ^2 / ndf 1.52e+05 / 45
p0 6.458 ± 0.0002021
pull
Entries 46
Mean 1372
Std Dev 1348
pull1D
Entries 46
Mean −3.354
Std Dev 2.383



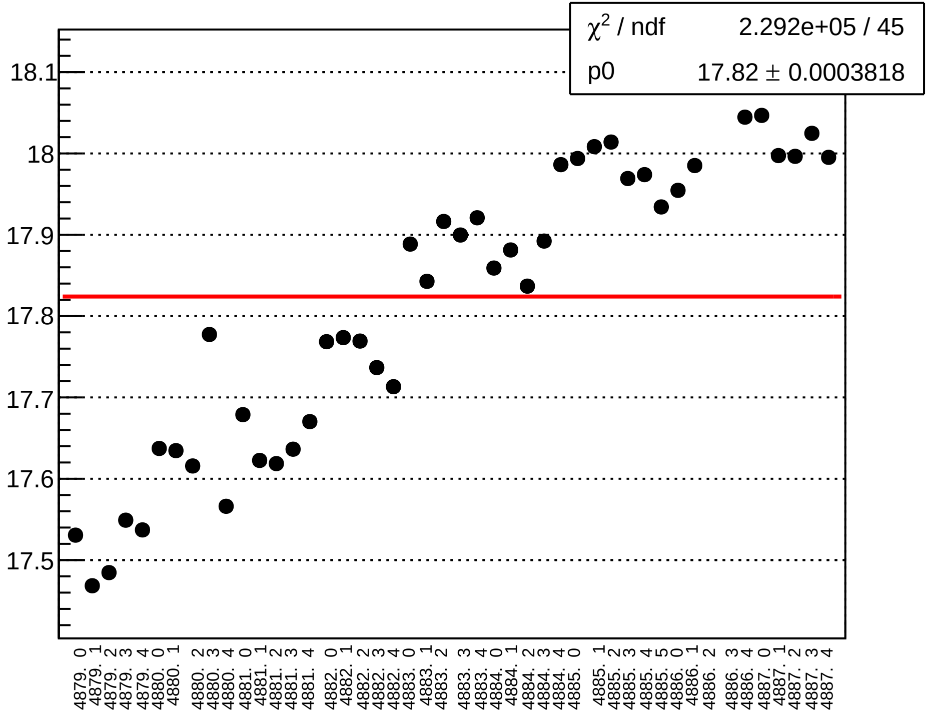
yield_sam2_rms vs run
χ^2 / ndf 1.277e+04 / 45
p0 0.1329 ± 0.0001429
0.2
0.18
0.16
0.14
0.12
0.1

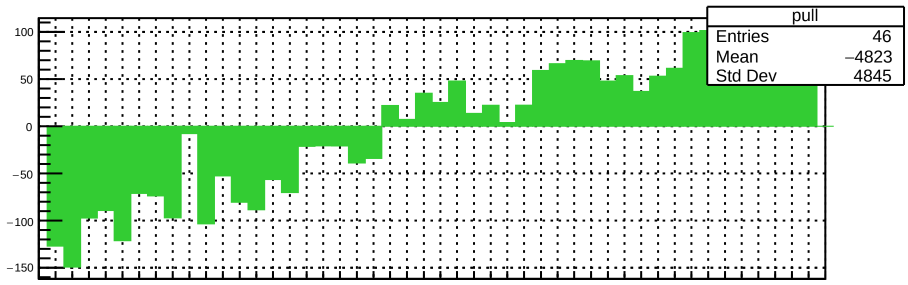

yield_sam3_mean vs run
χ^2 / ndf 6.439e+04 / 45
p0 18.28 ± 0.0007251
pull
Entries 46
Mean 1120
Std Dev 1096
pull1D
Entries 46
Mean 3.819
Std Dev 3.588

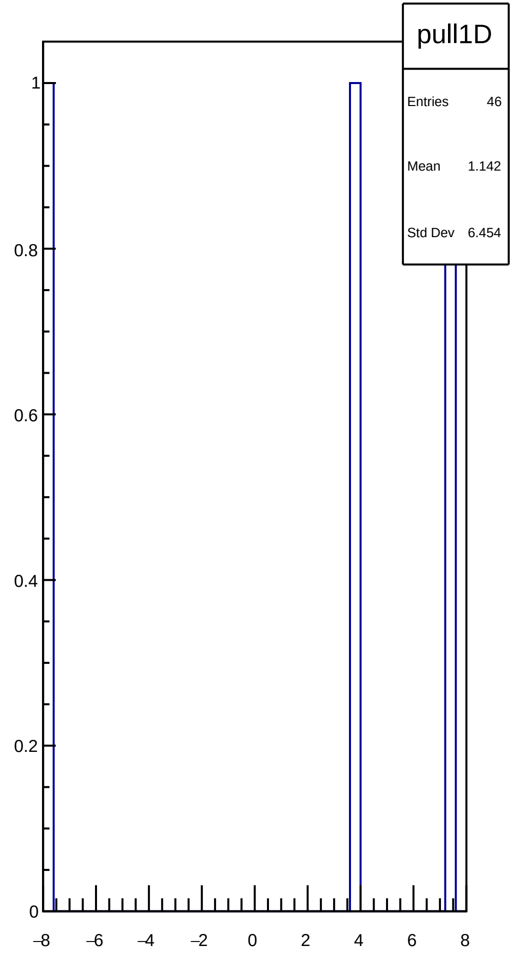


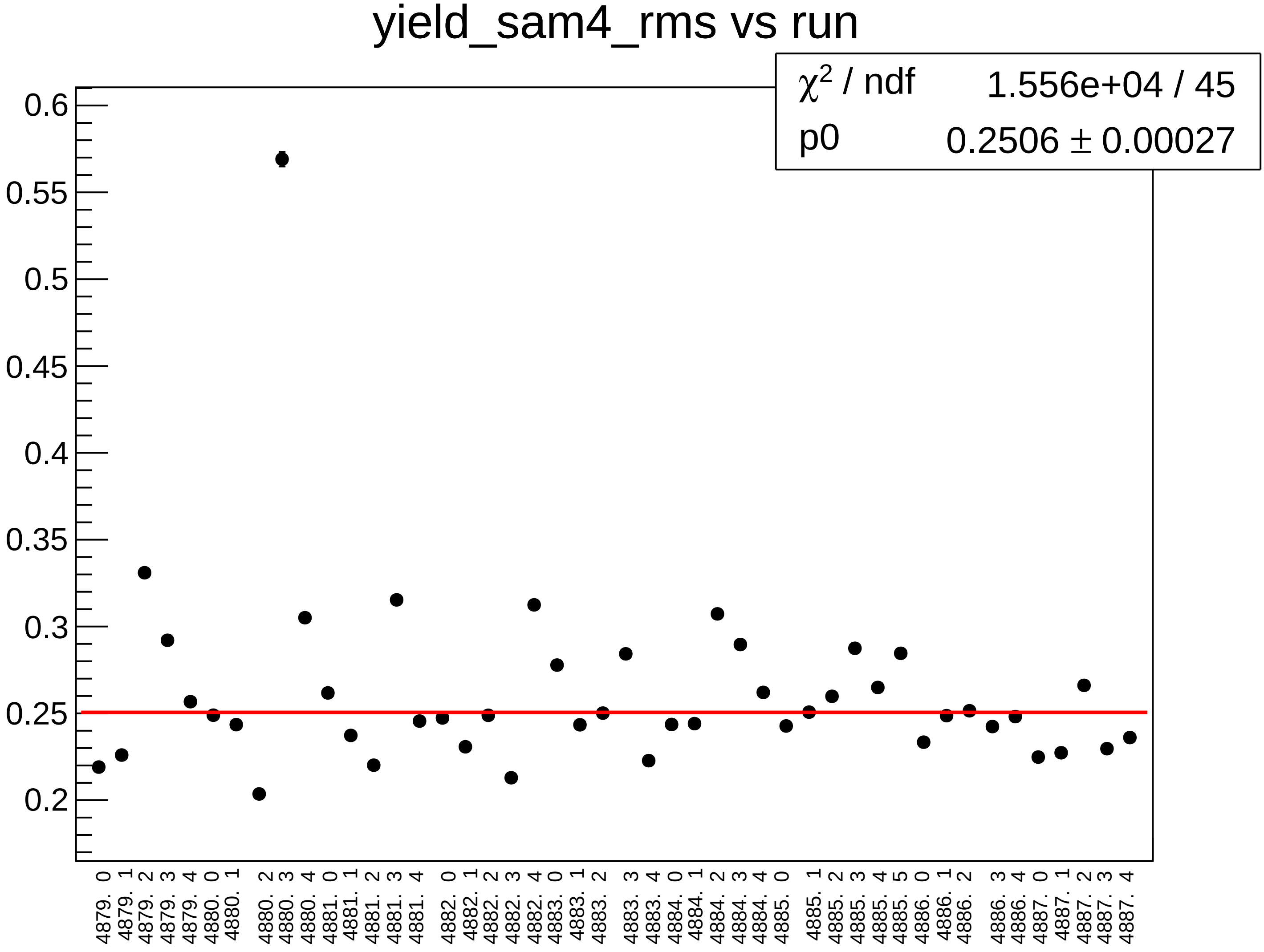
yield_sam3_rms vs run
χ^2 / ndf 1.053e+04 / 45
p0 0.4773 ± 0.0005127
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
0.4
0.35
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

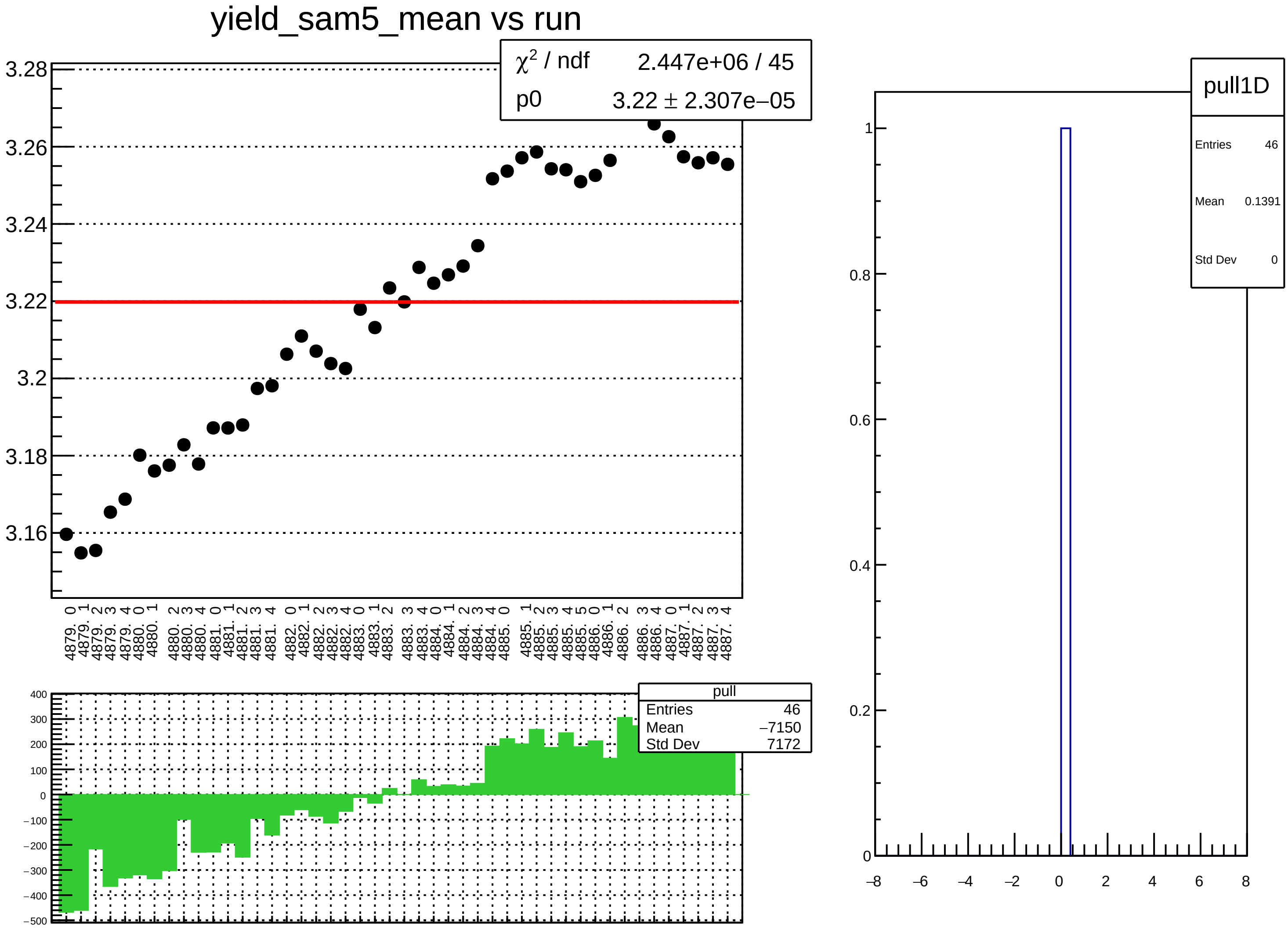
yield_sam4_mean vs run



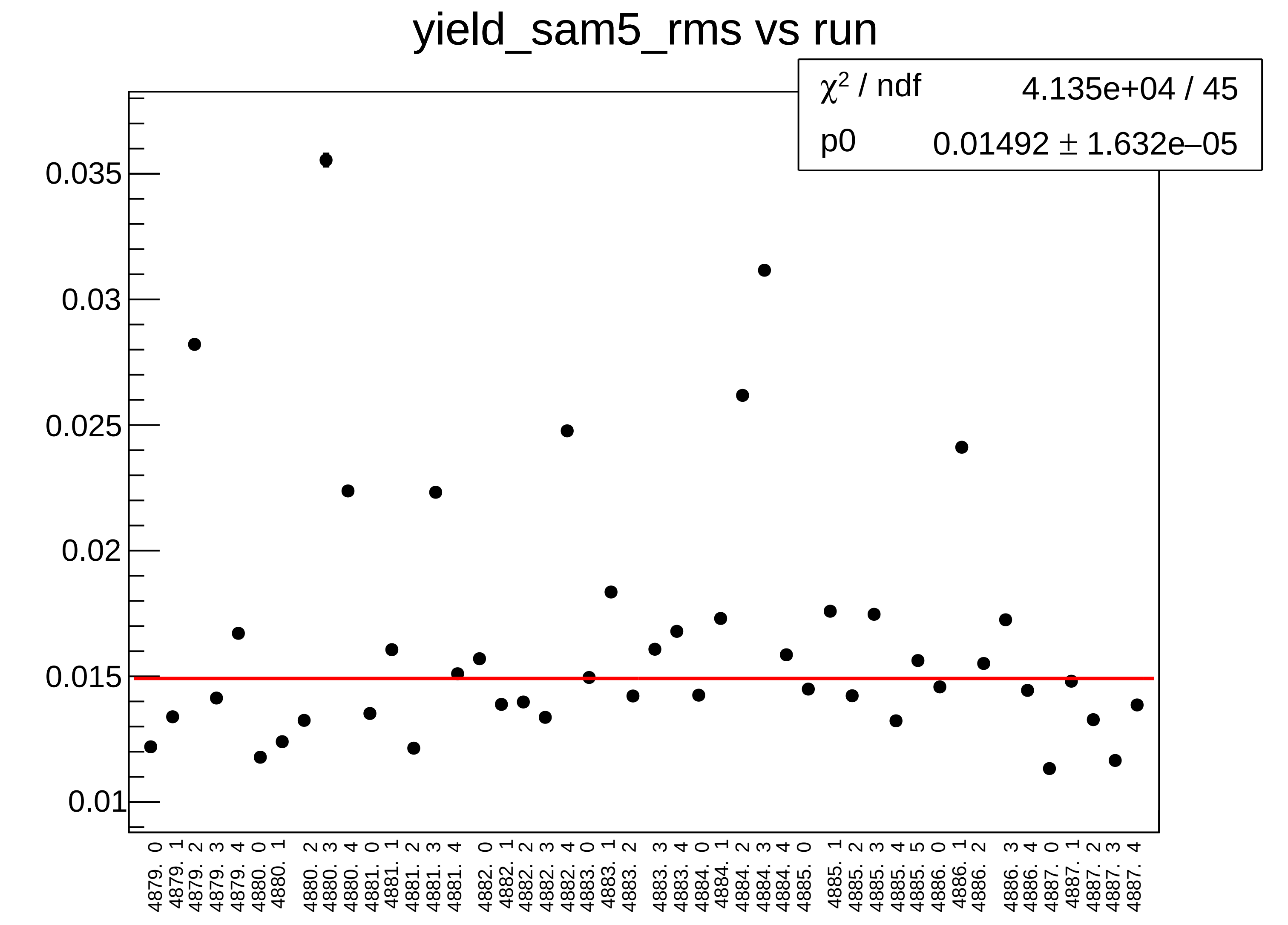





yield_sam4_rms vs run
χ^2 / ndf 1.556e+04 / 45
p0 0.2506 ± 0.00027
0.6
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



yield_sam5_mean vs run
χ^2 / ndf 2.447e+06 / 45
p0 3.22 ± 2.307e−05
3.28
3.26
3.24
3.22
3.2
3.18
3.16
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −7150
Std Dev 7172
400
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 46
Mean 0.1391
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8



yield_sam5_rms vs run
χ^2 / ndf 4.135e+04 / 45
p0 0.01492 ± 1.632e−05
0.035
0.03
0.025
0.02
0.015
0.01
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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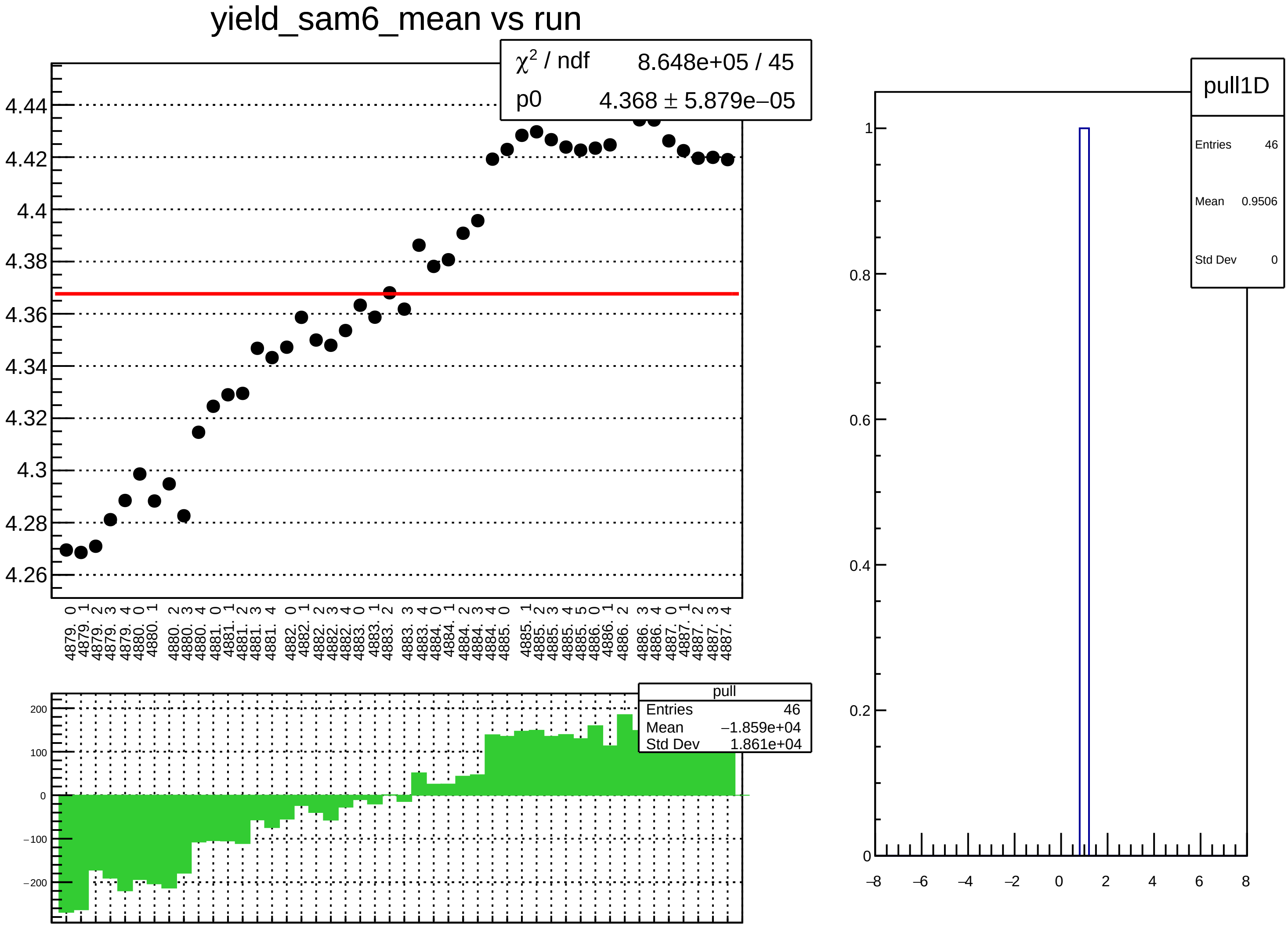
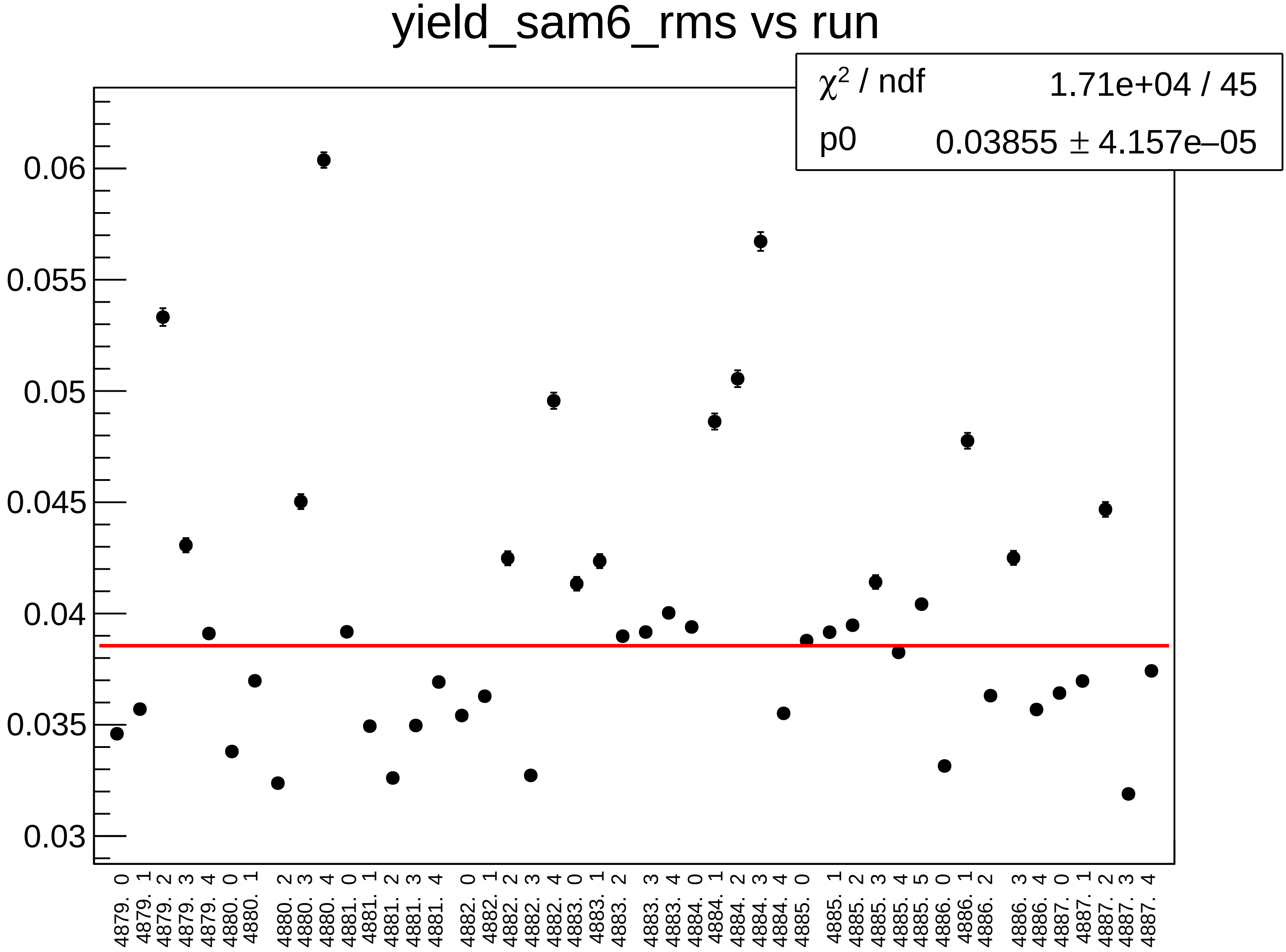
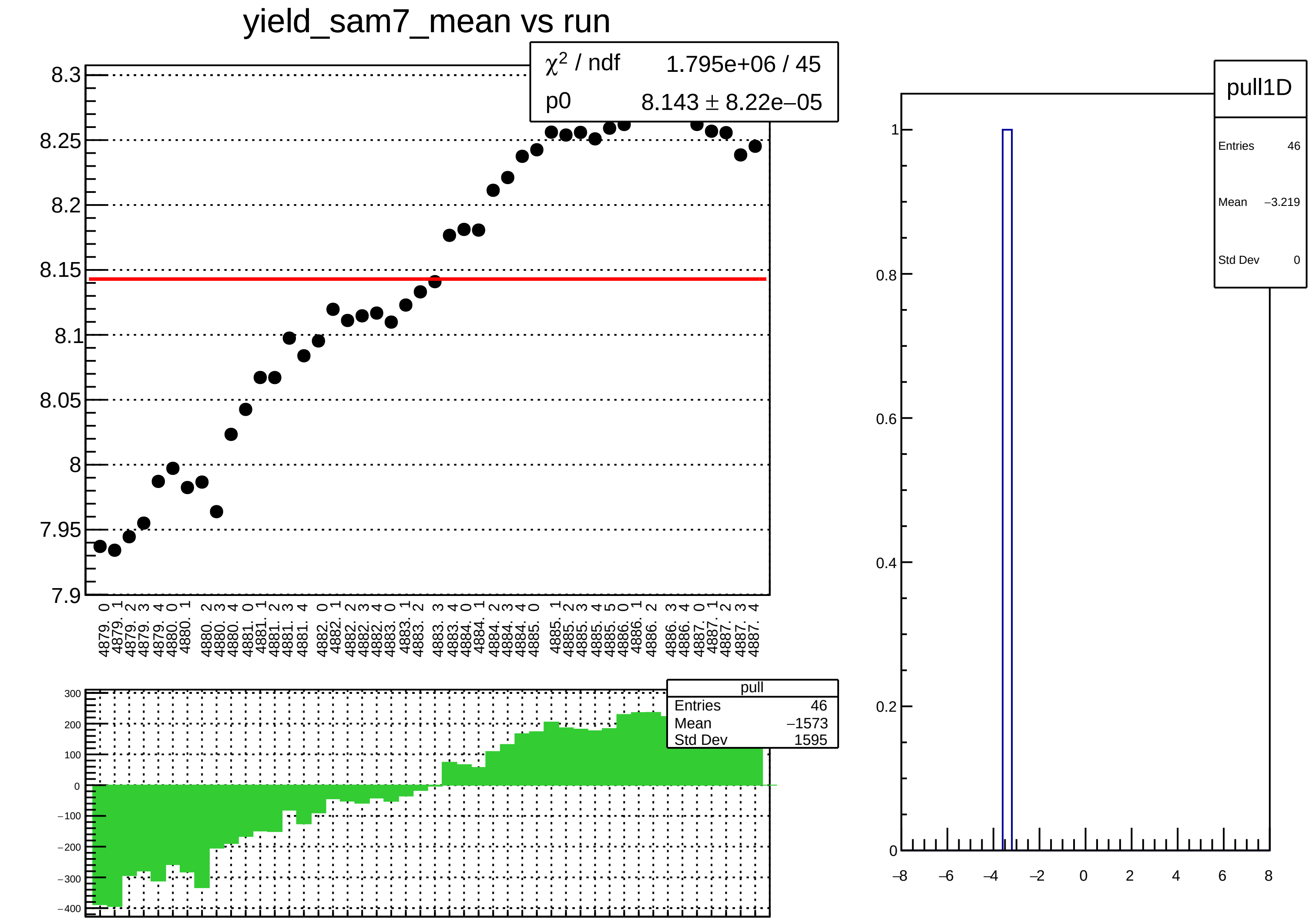
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



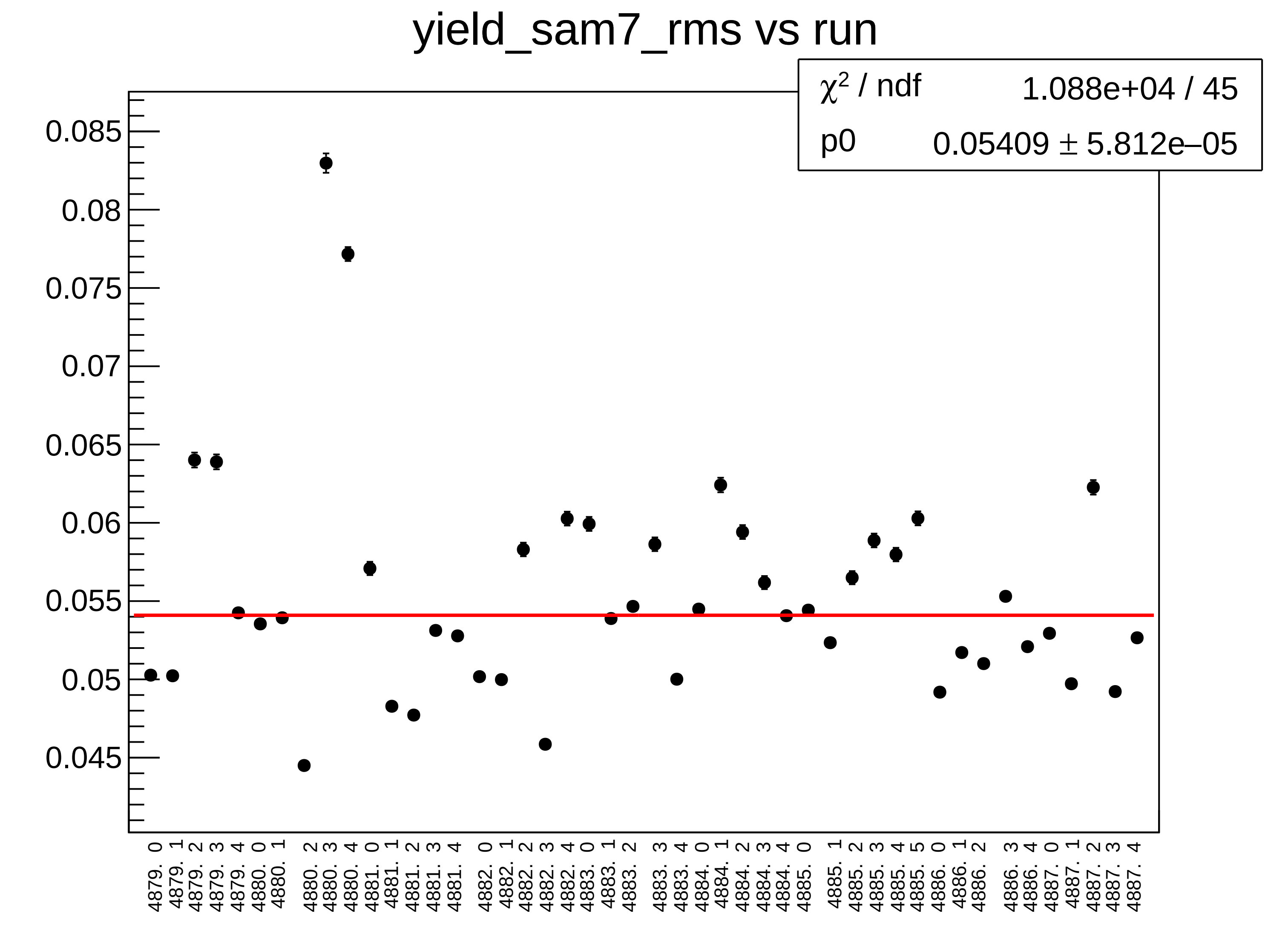
yield_sam6_mean vs run
χ^2 / ndf 8.648e+05 / 45
p0 4.368 ± 5.879e−05
pull
Entries 46
Mean −1.859e+04
Std Dev 1.861e+04
pull1D
Entries 46
Mean 0.9506
Std Dev 0



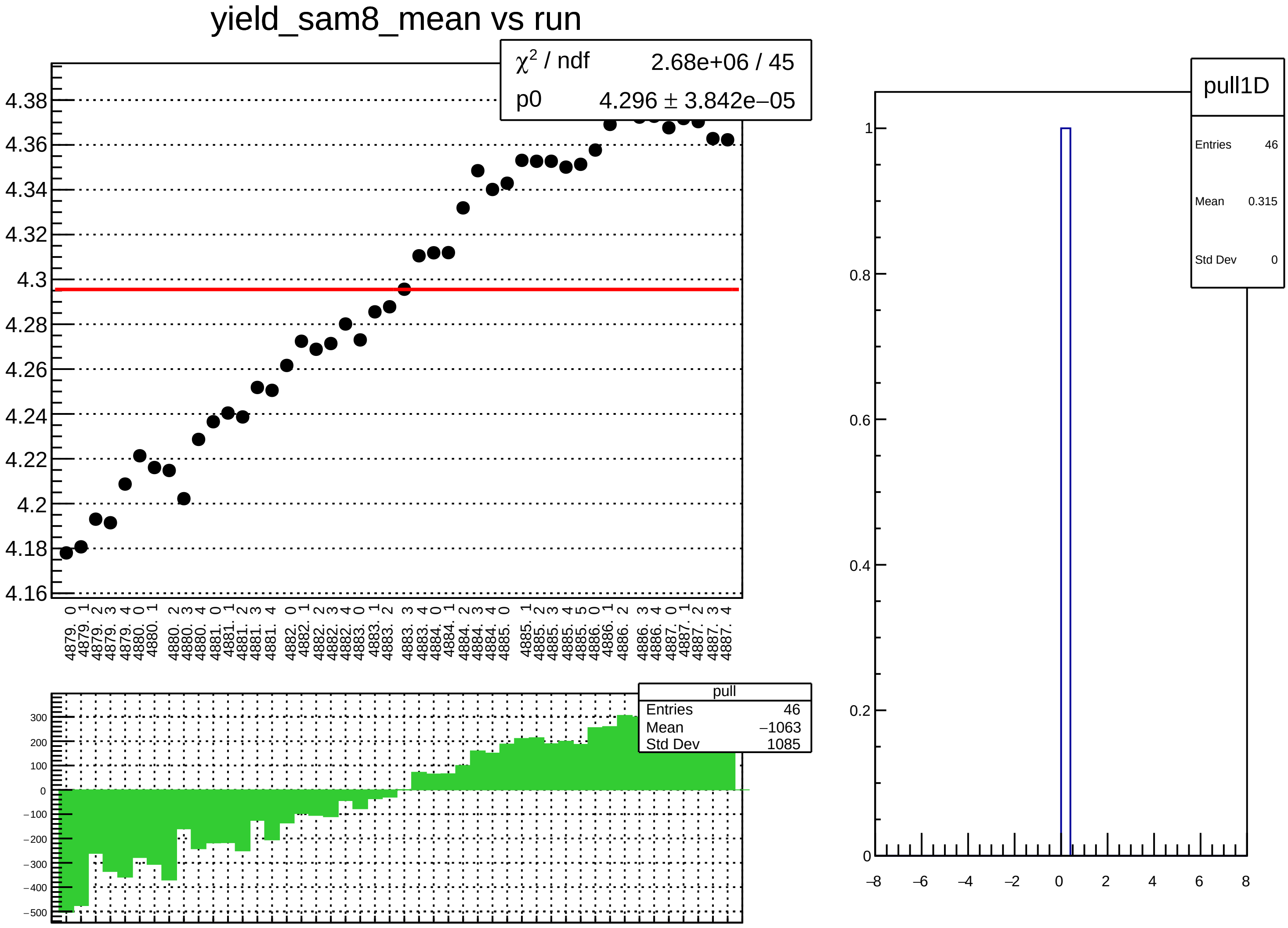
yield_sam6_rms vs run
χ² / ndf 1.71e+04 / 45
p0 0.03855 ± 4.157e−05
0.06
0.055
0.05
0.045
0.04
0.035
0.03
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



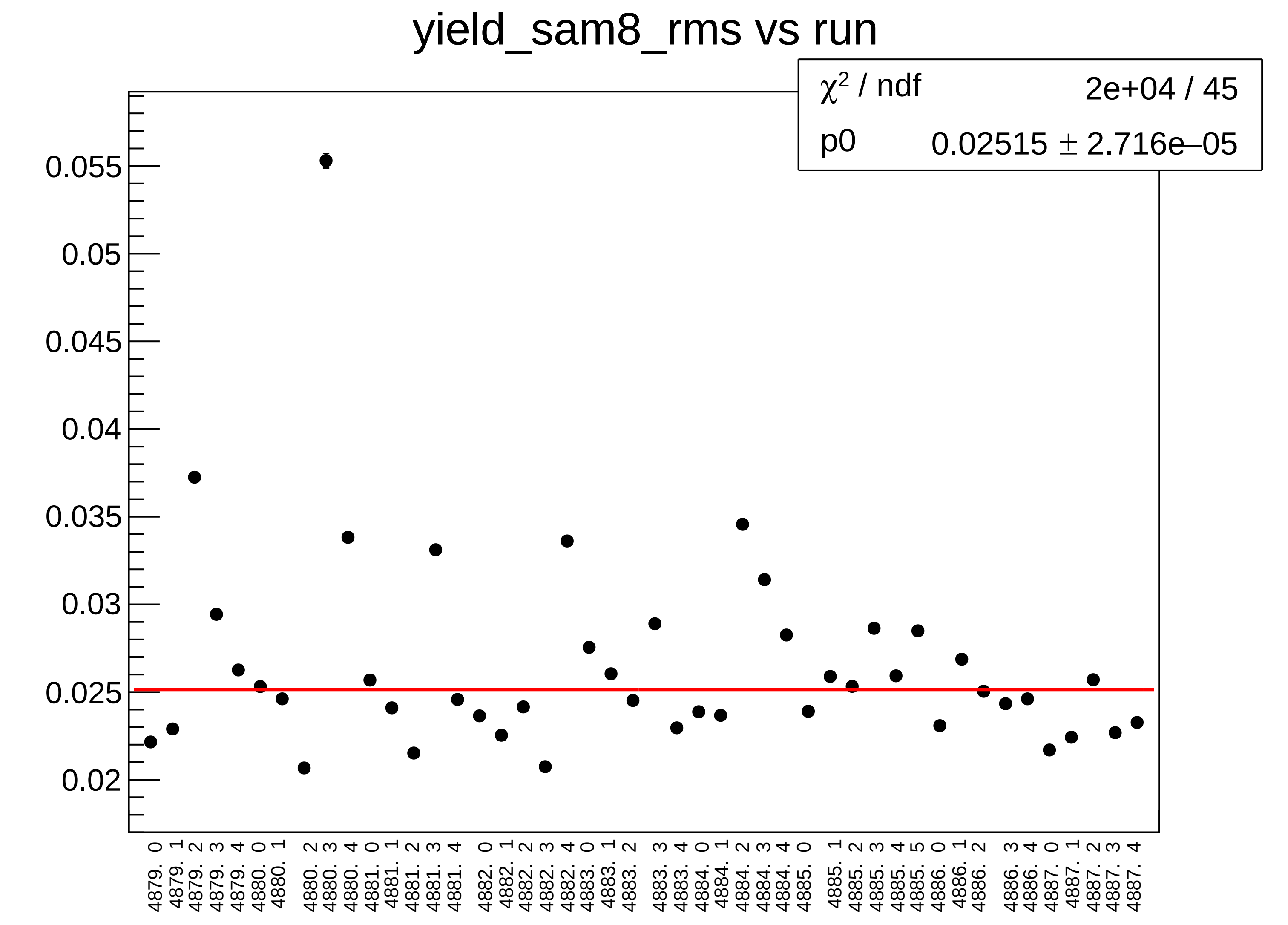
yield_sam7_mean vs run
χ^2 / ndf 1.795e+06 / 45
p0 8.143 ± 8.22e−05
pull
Entries 46
Mean −1573
Std Dev 1595
pull1D
Entries 46
Mean −3.219
Std Dev 0



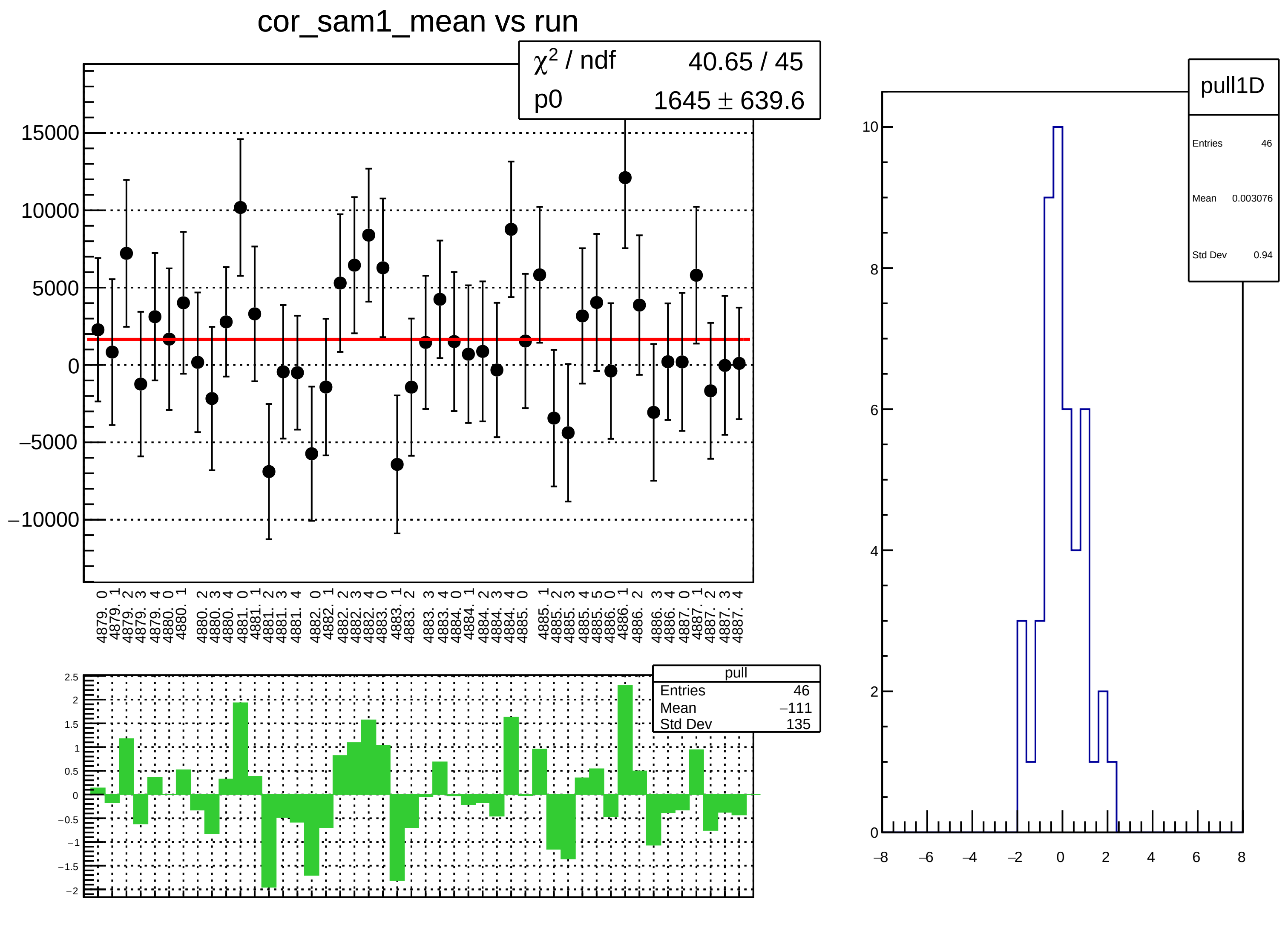
yield_sam7_rms vs run
χ^2 / ndf 1.088e+04 / 45
p0 0.05409 ± 5.812e−05
0.085
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045



yield_sam8_mean vs run
χ^2 / ndf 2.68e+06 / 45
p0 4.296 ± 3.842e−05
pull
Entries 46
Mean −1063
Std Dev 1085
pull1D
Entries 46
Mean 0.315
Std Dev 0

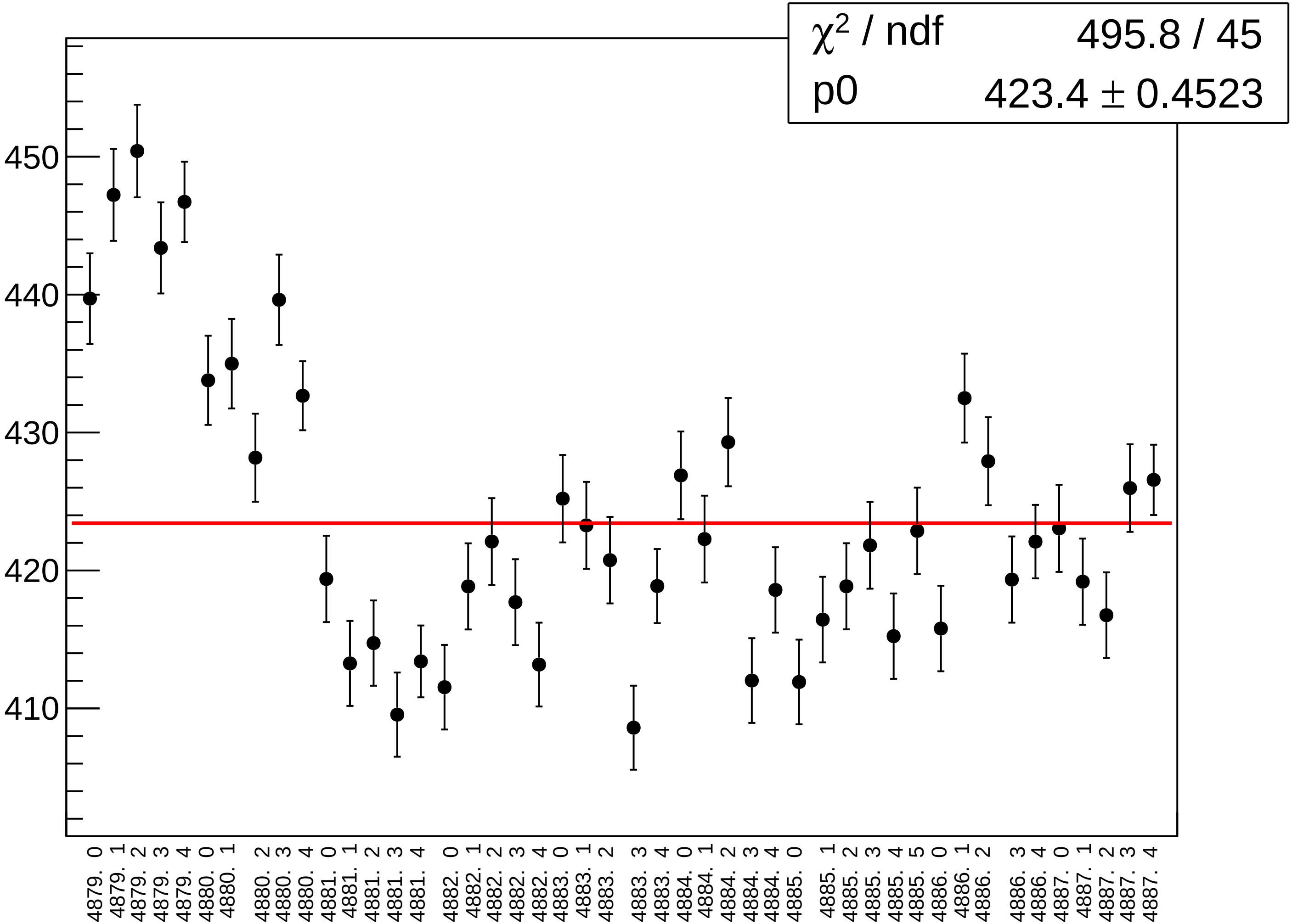


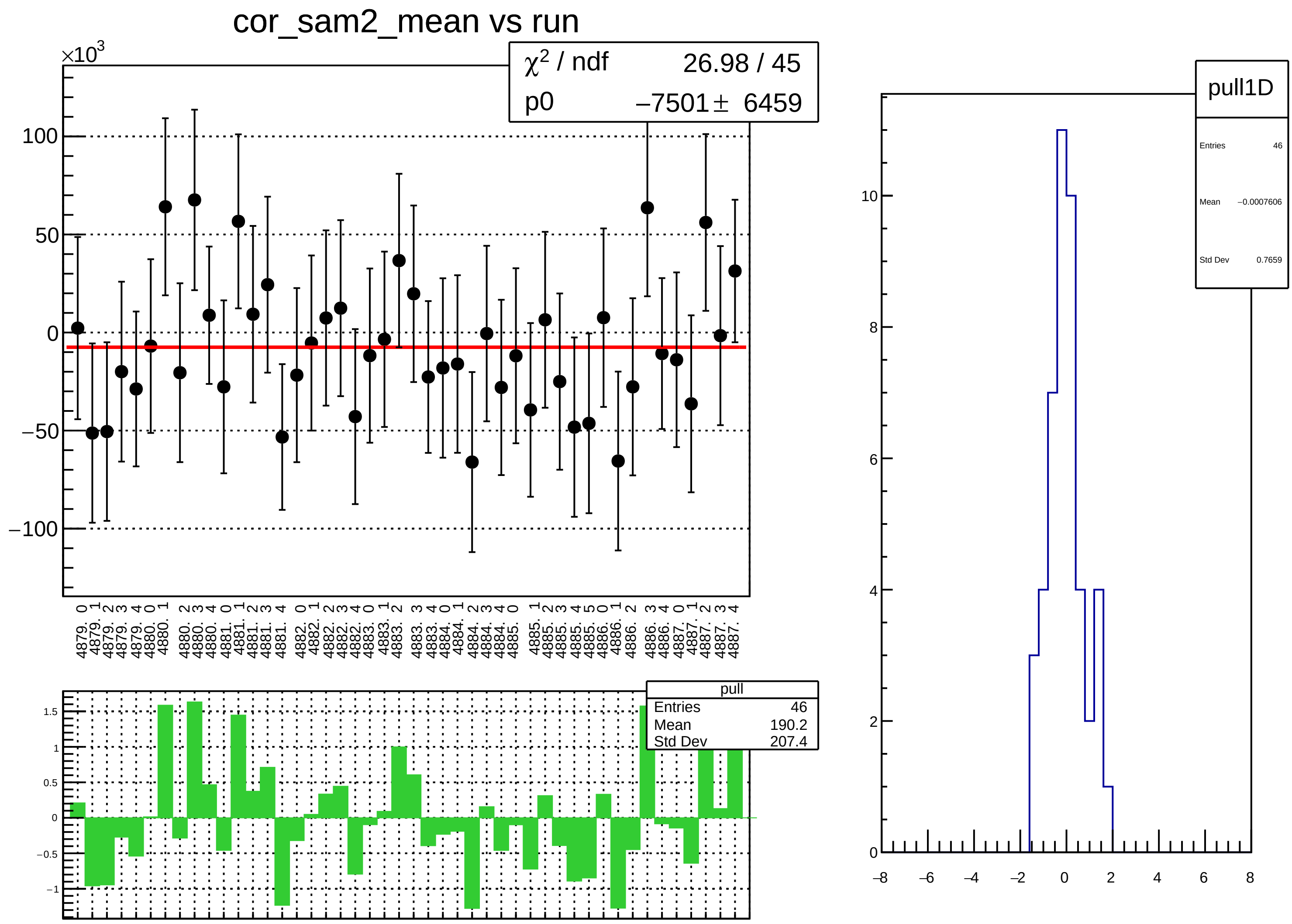
yield_sam8_rms vs run
χ² / ndf 2e+04 / 45
p0 0.02515 ± 2.716e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



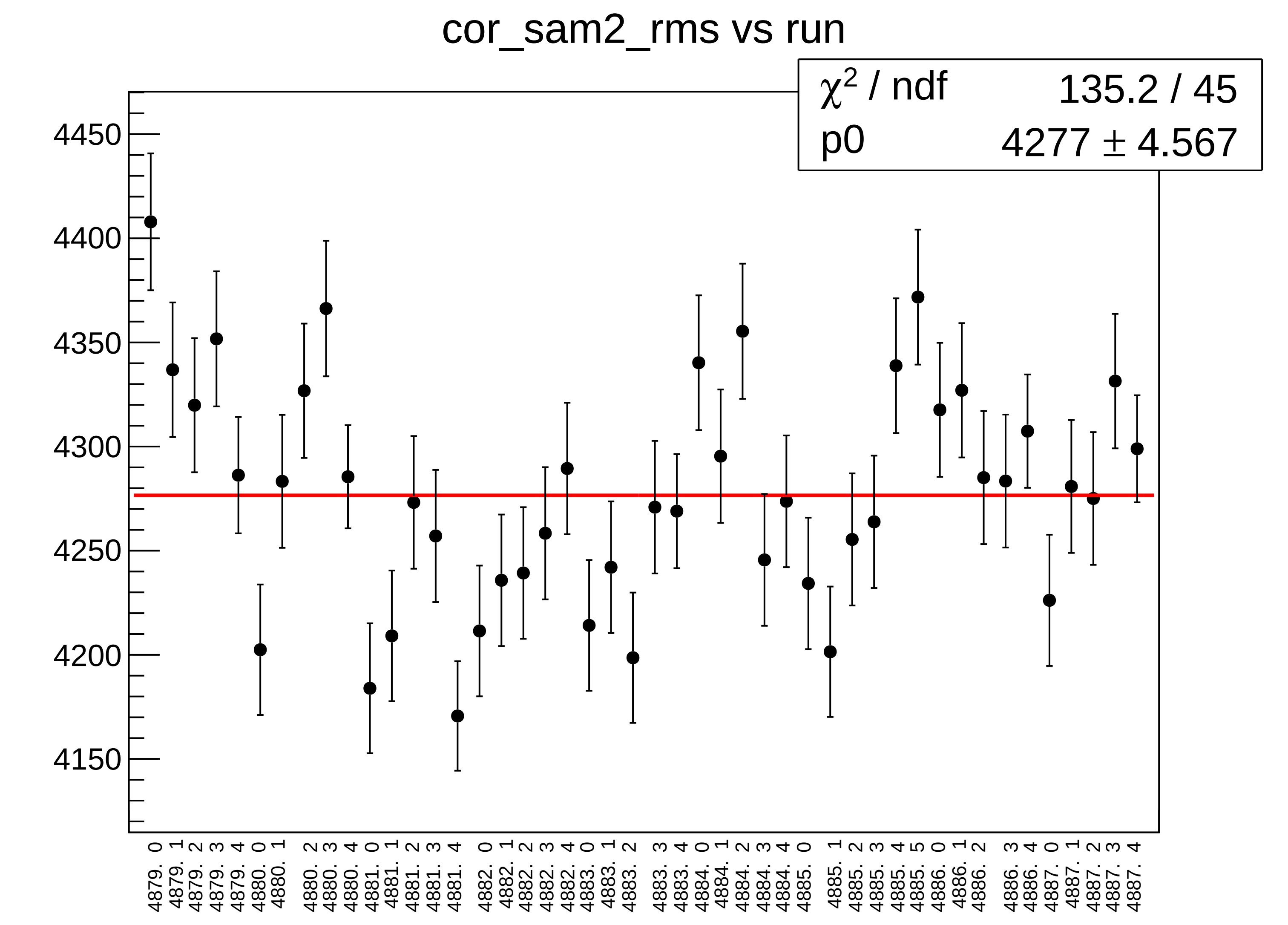
cor_sam1_mean vs run
χ2 / ndf 40.65 / 45
p0 1645 ± 639.6
pull
Entries 46
Mean −111
Std Dev 135
pull1D
Entries 46
Mean 0.003076
Std Dev 0.94

cor_sam1_rms vs run

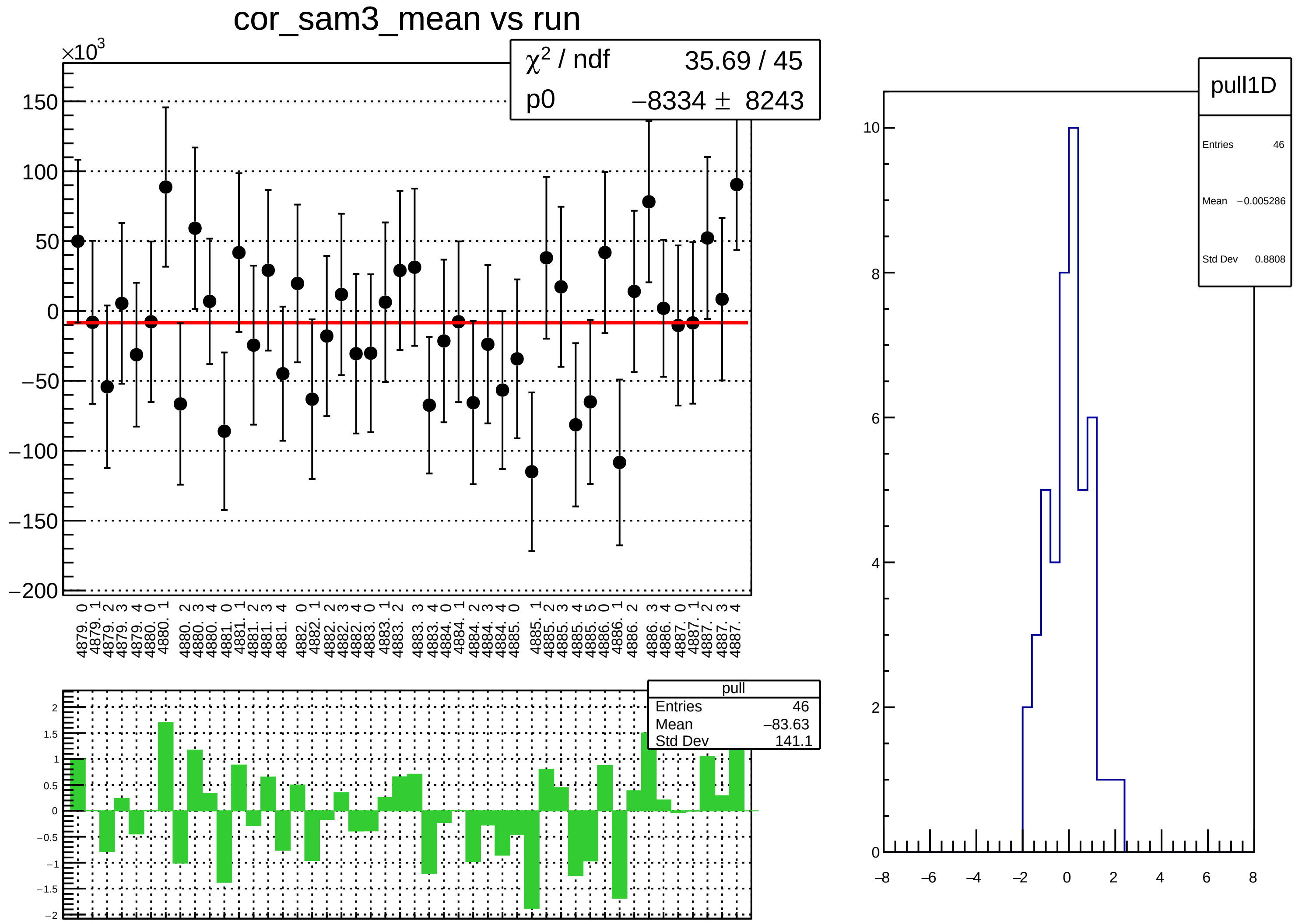


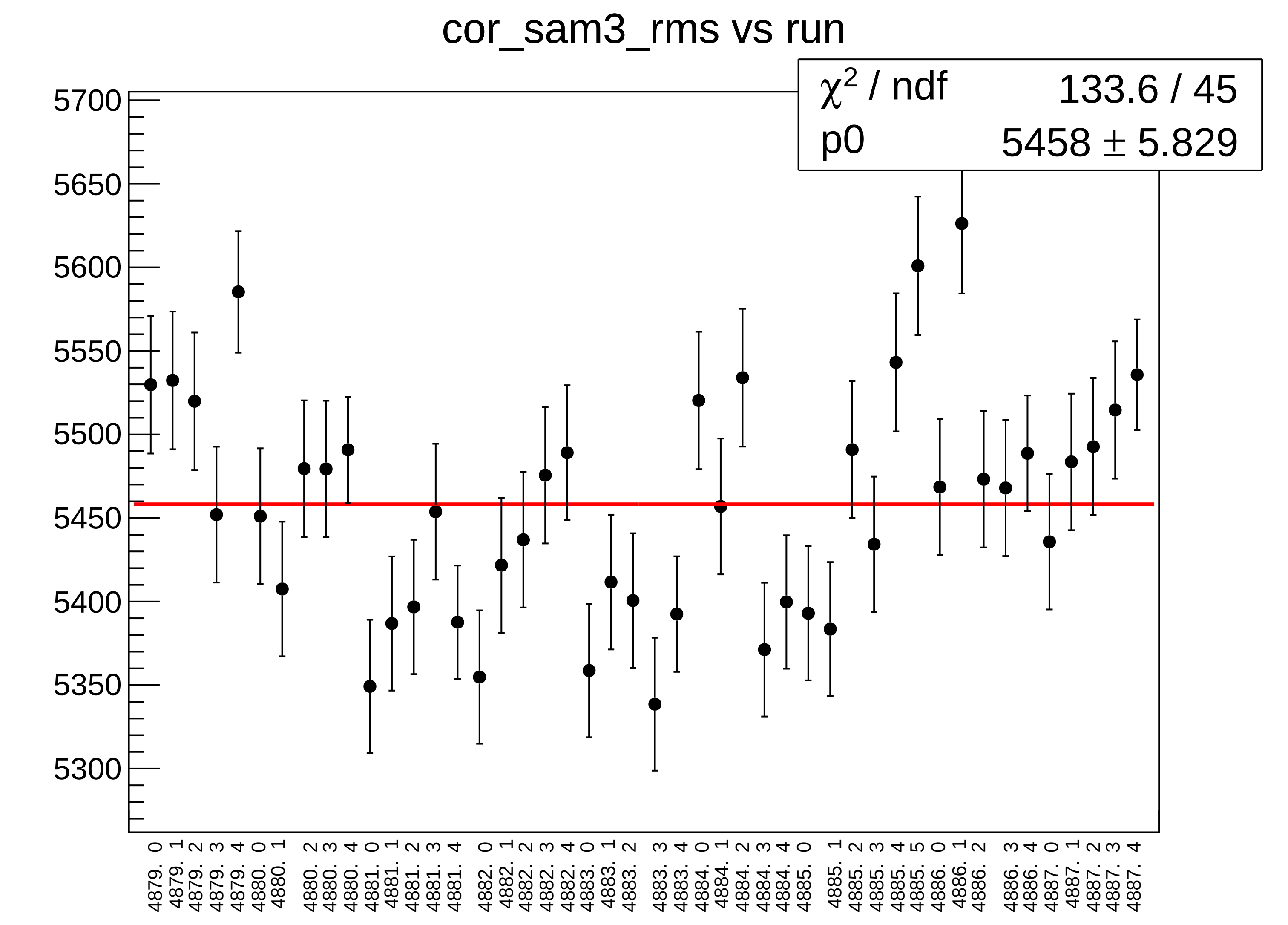


cor_sam2_mean vs run
χ2 / ndf 26.98 / 45
p0 −7501 ± 6459
×103
100
50
0
−50
−100
pull
Entries 46
Mean 190.2
Std Dev 207.4
pull1D
Entries 46
Mean −0.0007606
Std Dev 0.7659

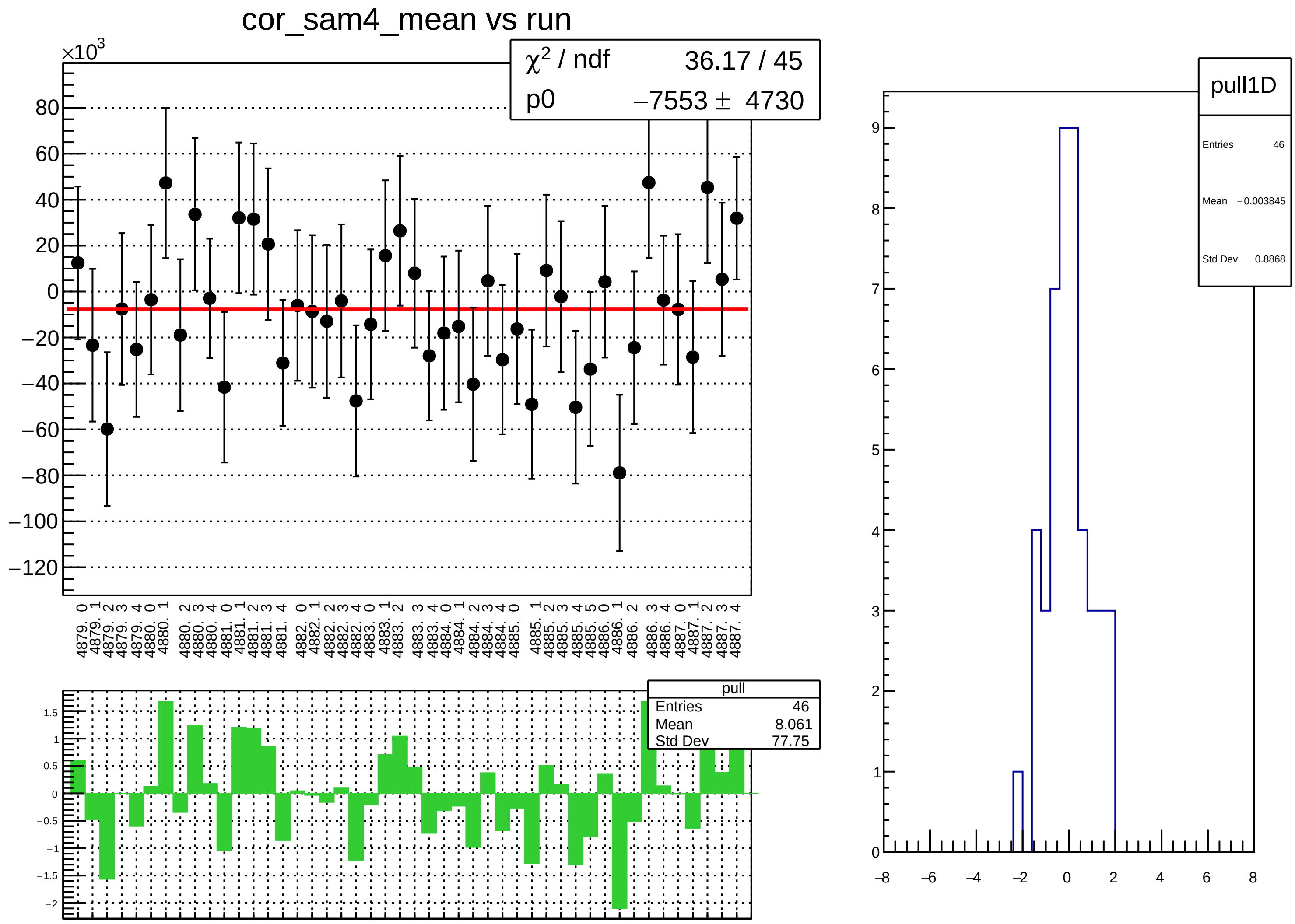


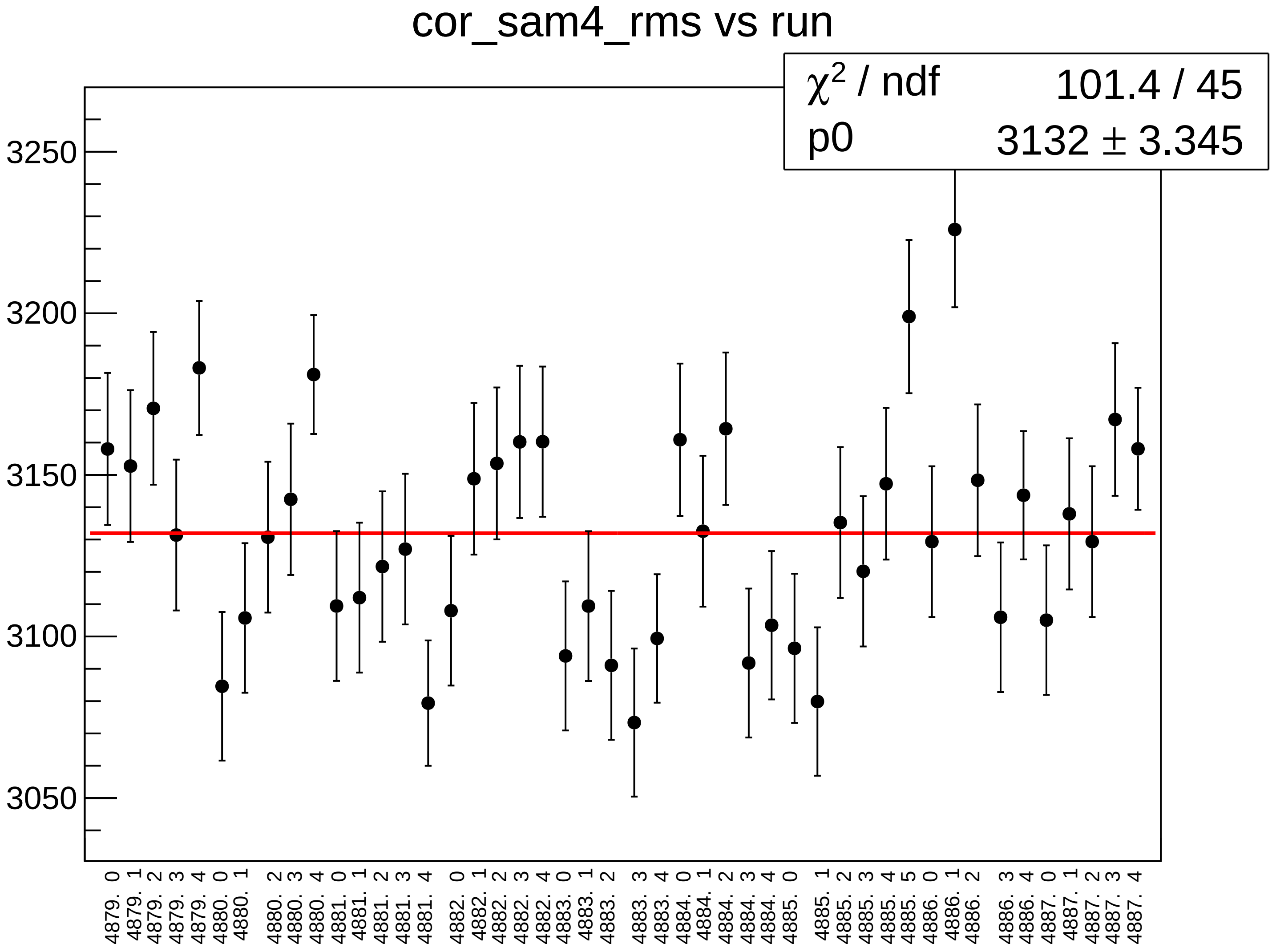
cor_sam2_rms vs run
χ^2 / ndf 135.2 / 45
p0 4277 ± 4.567
4450
4400
4350
4300
4250
4200
4150
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


cor_sam3_mean vs run
×10^3
χ2 / ndf 35.69 / 45
p0 −8334 ± 8243
150
100
50
0
−50
−100
−150
−200
pull
Entries 46
Mean −83.63
Std Dev 141.1
pull1D
Entries 46
Mean −0.005286
Std Dev 0.8808

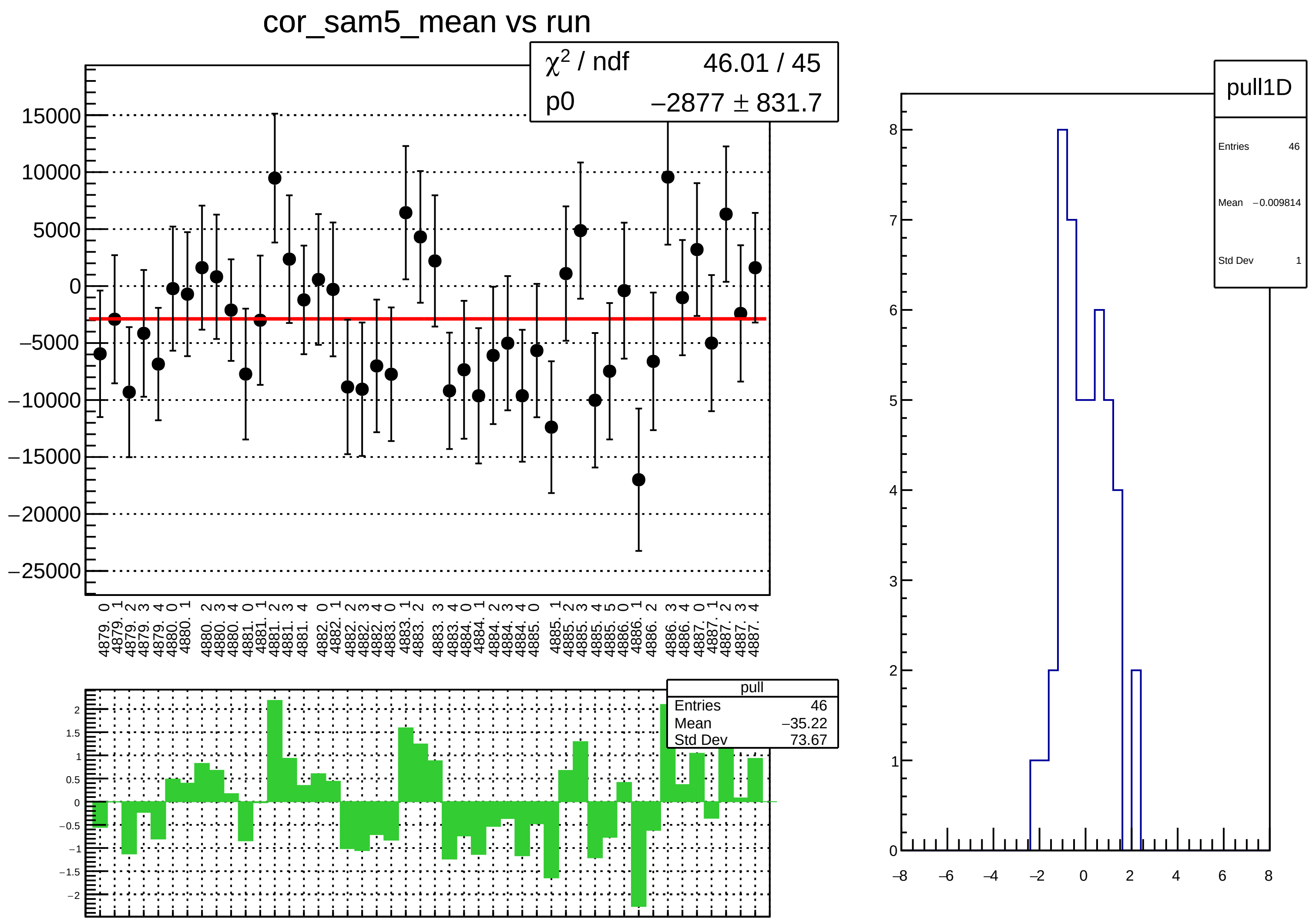


cor_sam3_rms vs run
χ^2 / ndf 133.6 / 45
p0 5458 ± 5.829
5700
5650
5600
5550
5500
5450
5400
5350
5300
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

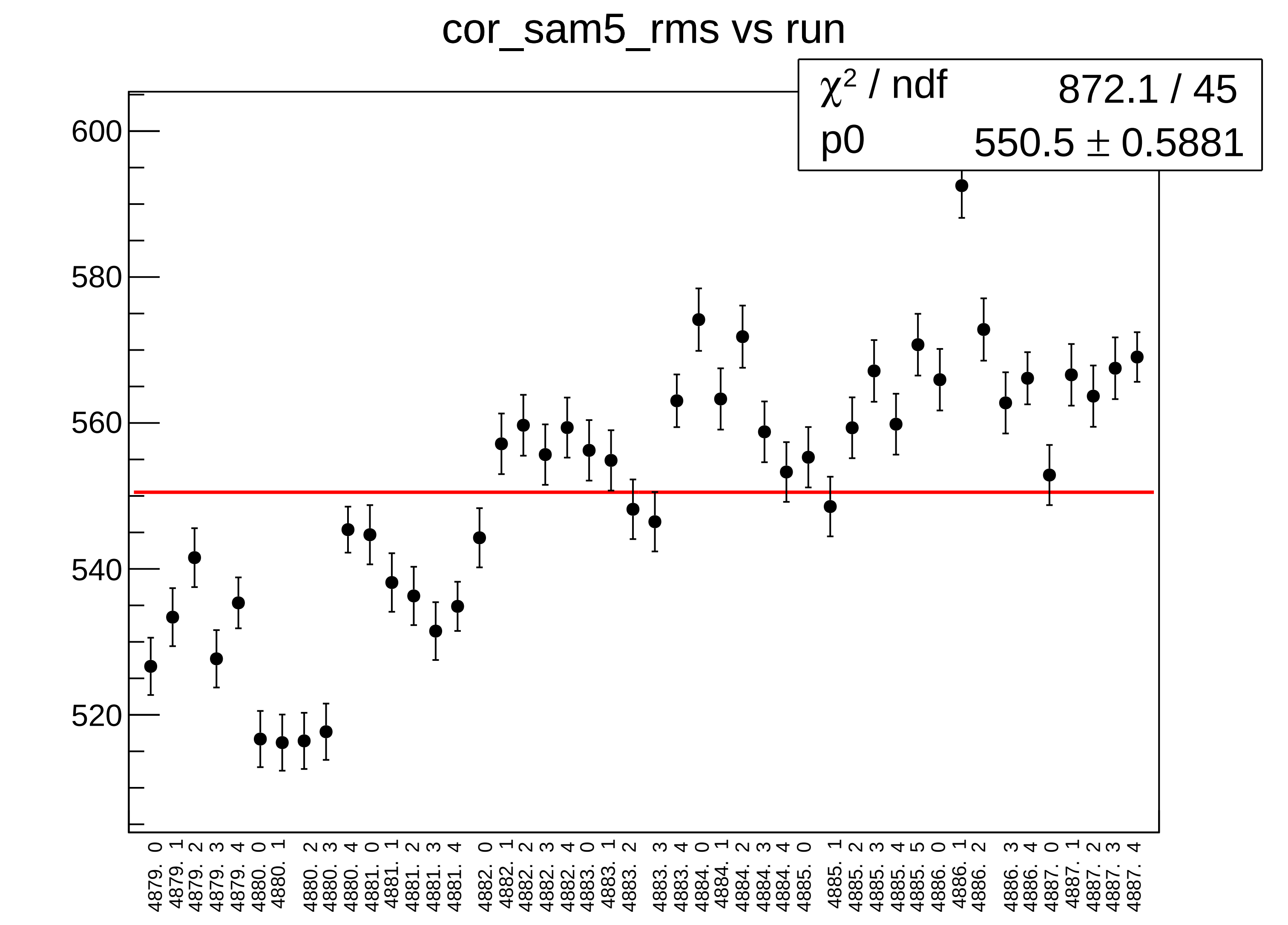

cor_sam4_mean vs run
×10^3
χ^2 / ndf 36.17 / 45
p0 −7553 ± 4730
pull
Entries 46
Mean 8.061
Std Dev 77.75
pull1D
Entries 46
Mean −0.003845
Std Dev 0.8868



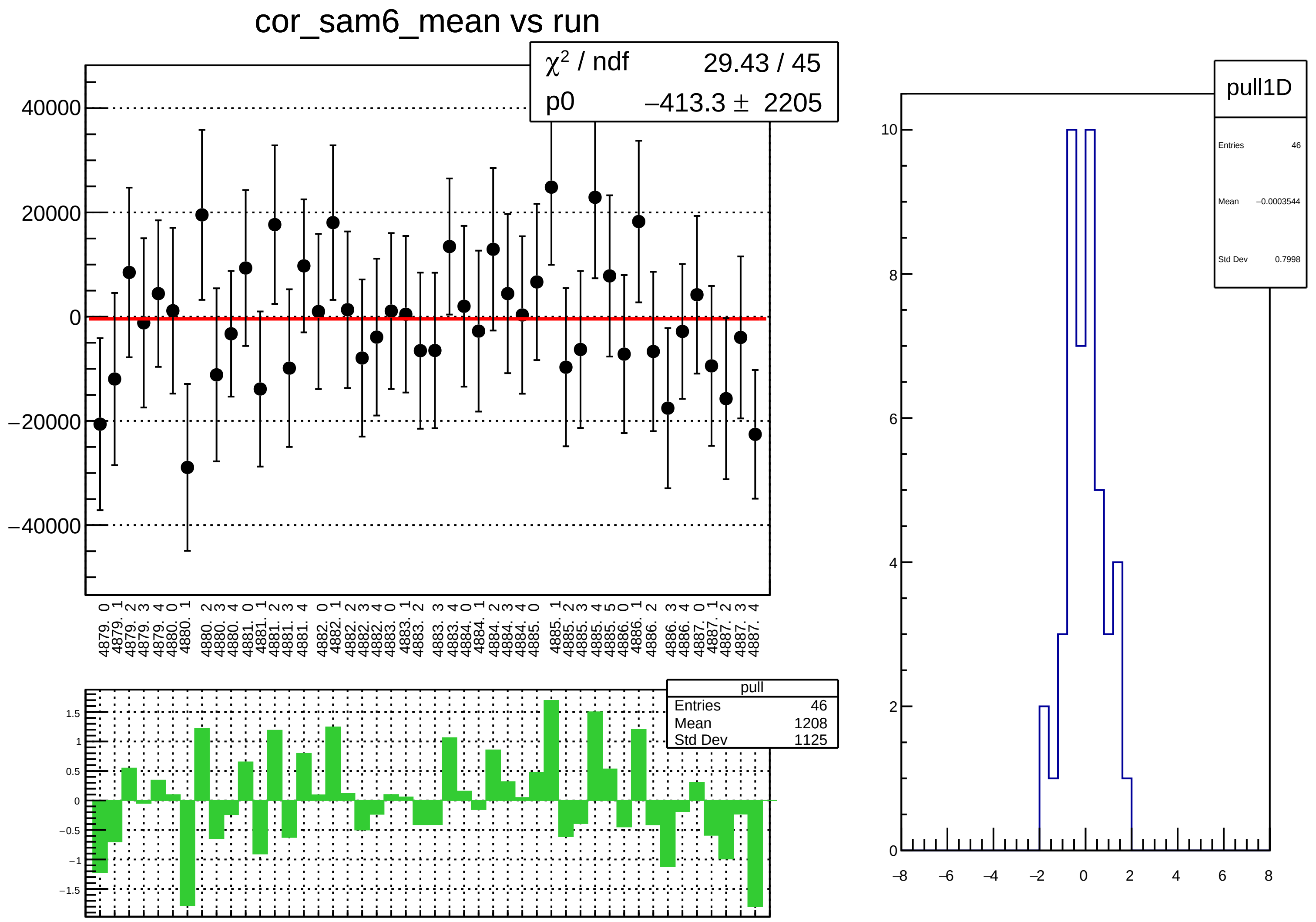
cor_sam4_rms vs run
χ^2 / ndf 101.4 / 45
p0 3132 ± 3.345
3250
3200
3150
3100
3050
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



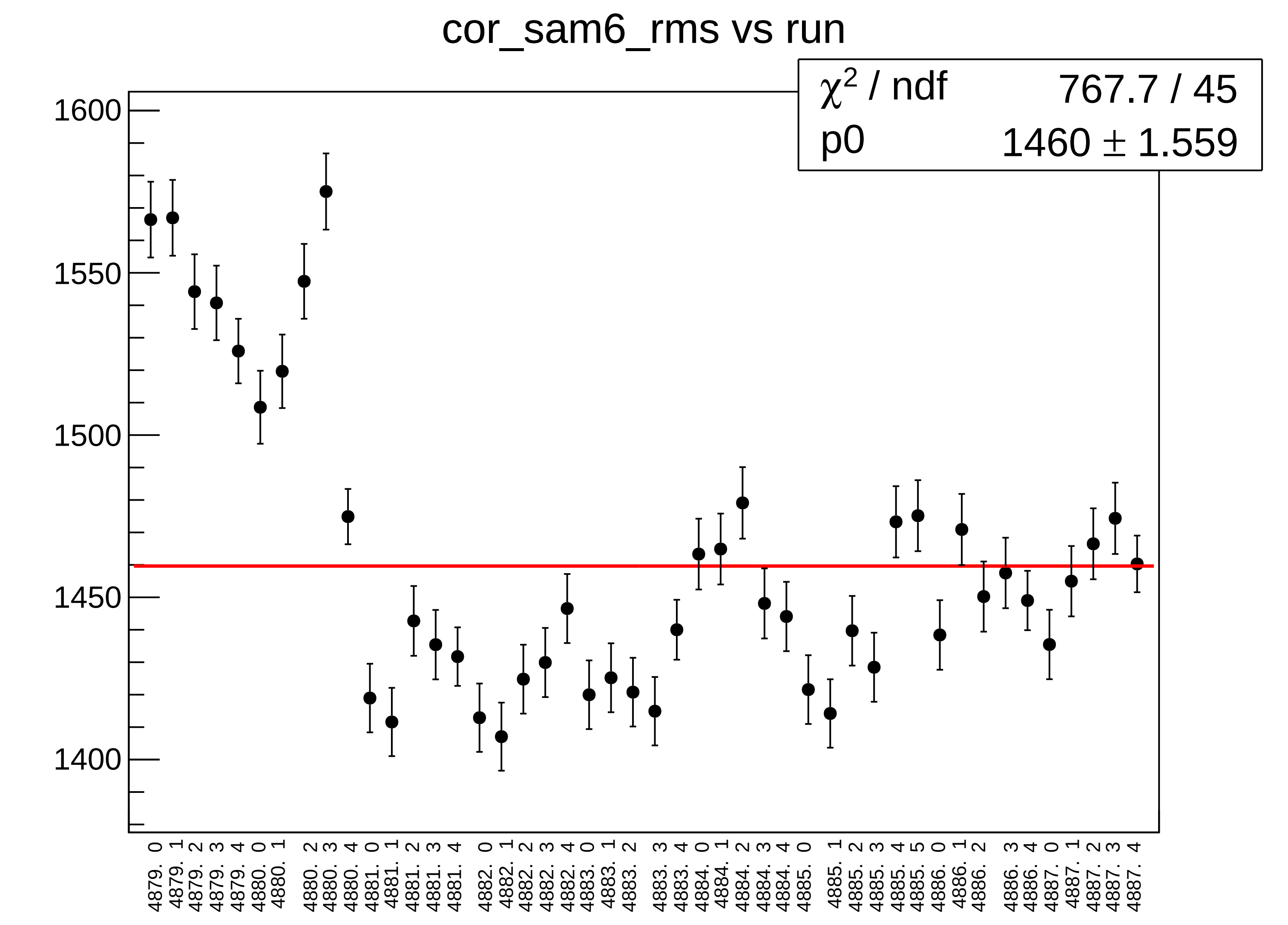
cor_sam5_mean vs run
χ^2 / ndf 46.01 / 45
p0 −2877 ± 831.7
pull
Entries 46
Mean −35.22
Std Dev 73.67
pull1D
Entries 46
Mean −0.009814
Std Dev 1

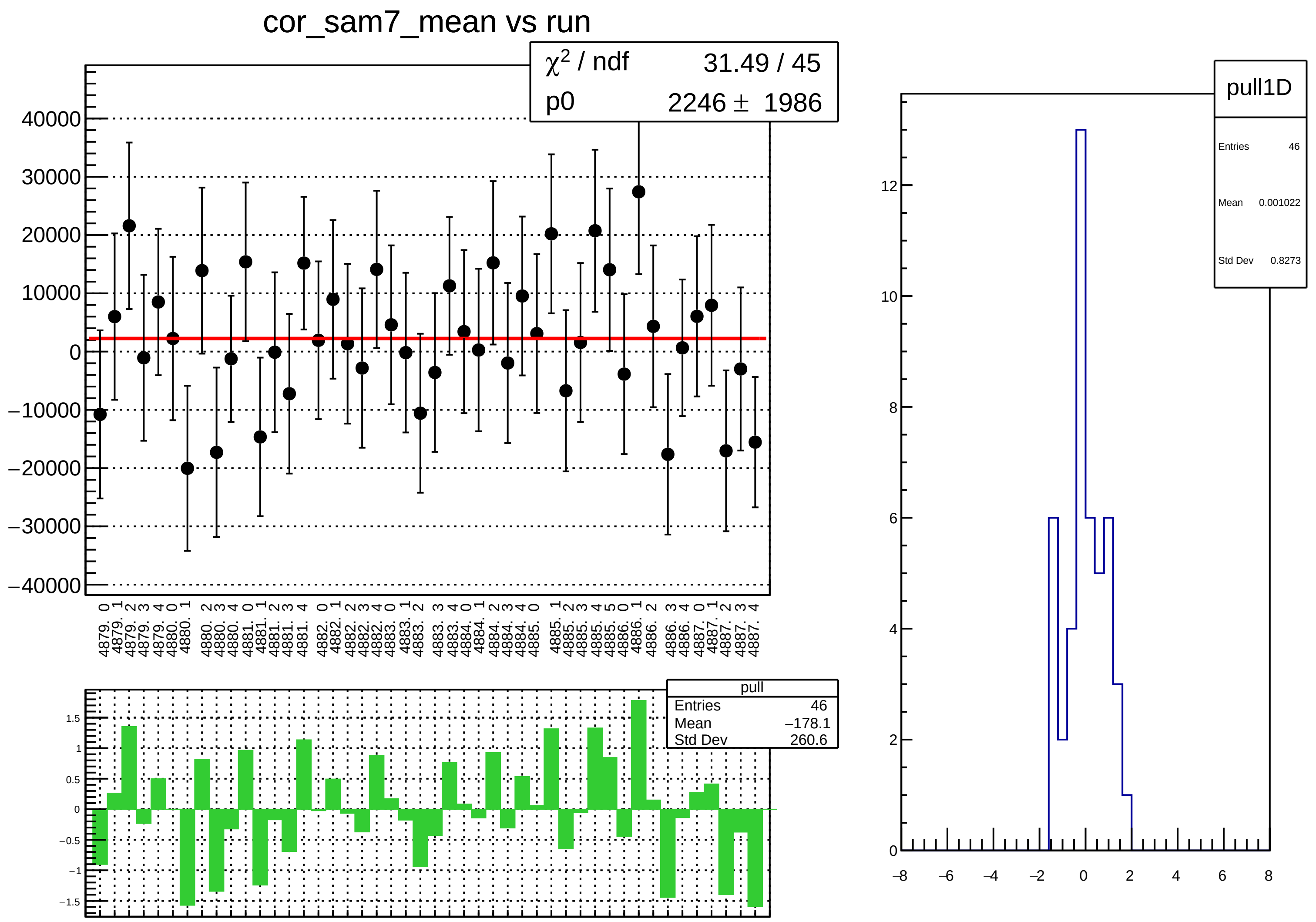


cor_sam5_rms vs run
χ2 / ndf 872.1 / 45
p0 550.5 ± 0.5881
600
580
560
540
520
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

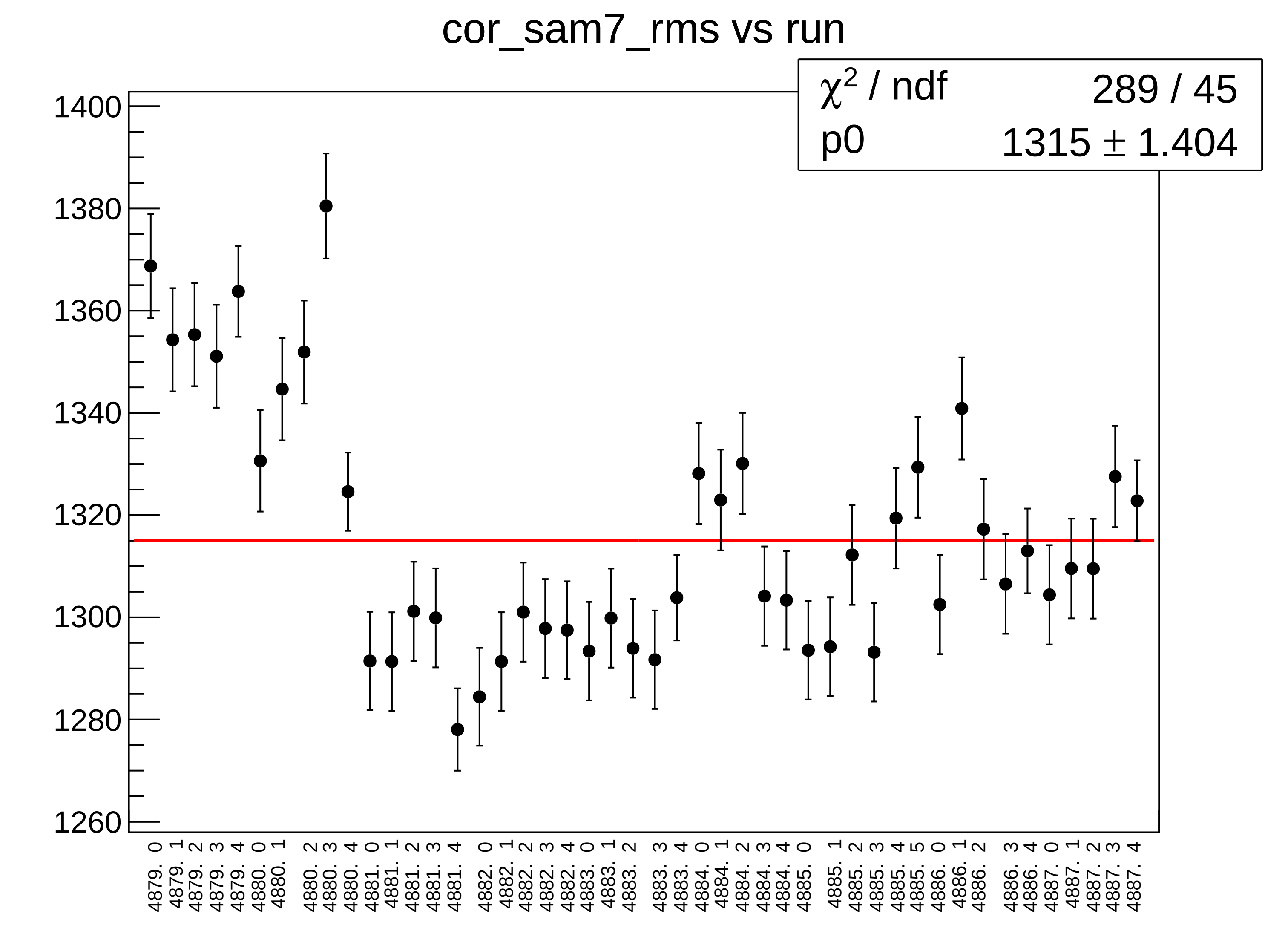


cor_sam6_mean vs run
χ^2 / ndf 29.43 / 45
p0 −413.3 ± 2205
pull
Entries 46
Mean 1208
Std Dev 1125
pull1D
Entries 46
Mean −0.0003544
Std Dev 0.7998

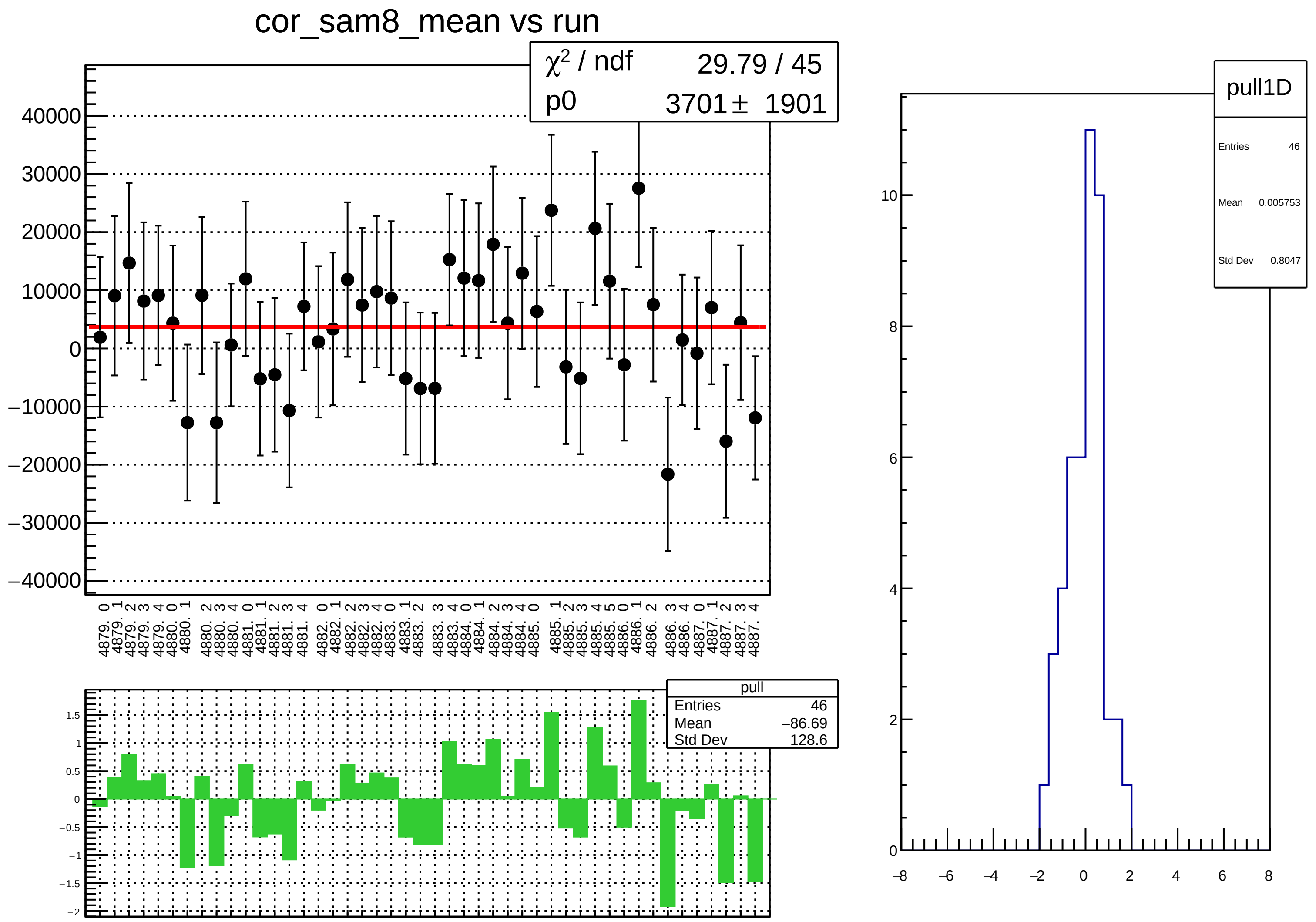

cor_sam6_rms vs run
χ2 / ndf 767.7 / 45
p0 1460 ± 1.559
1600
1550
1500
1450
1400

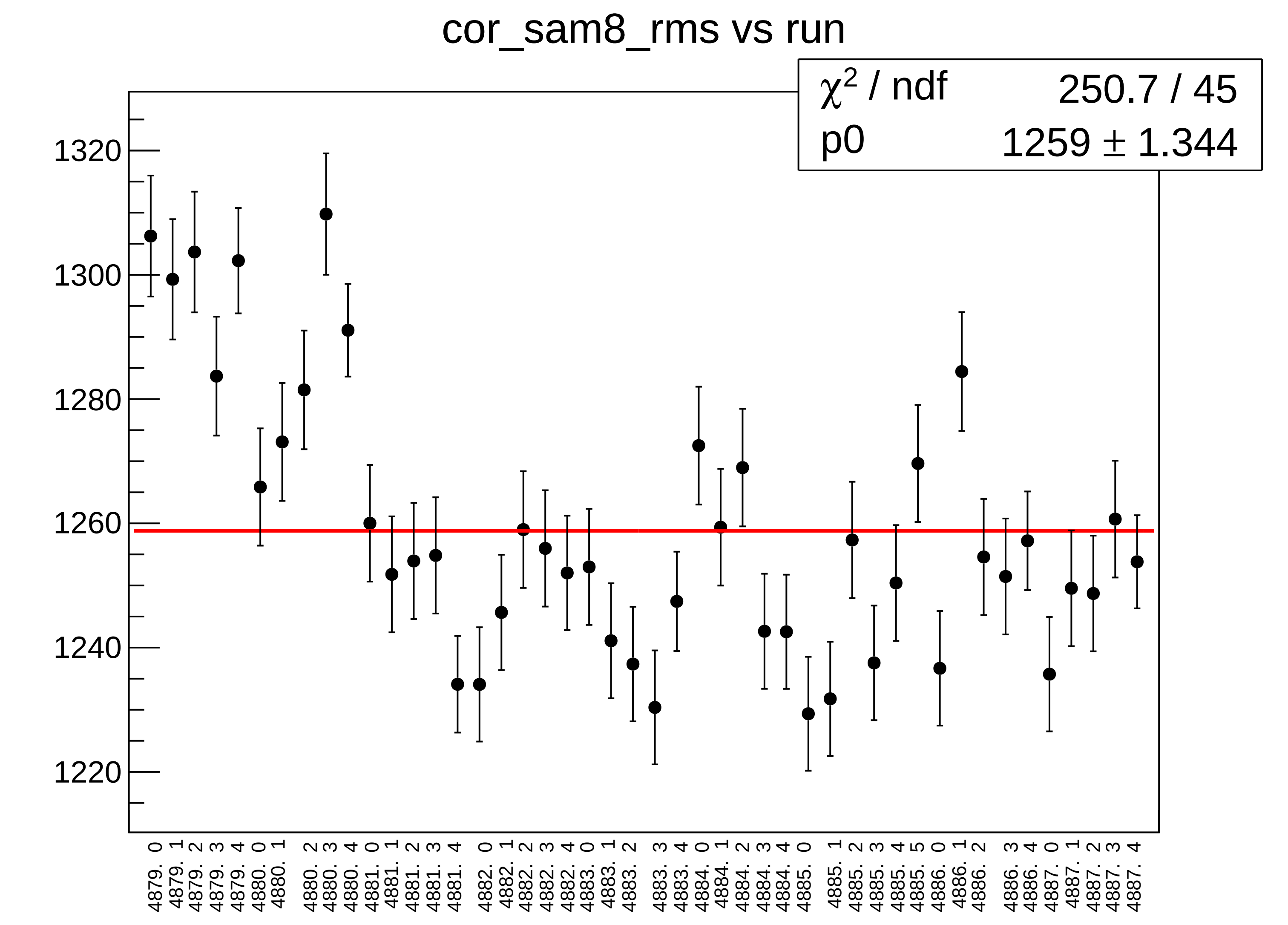


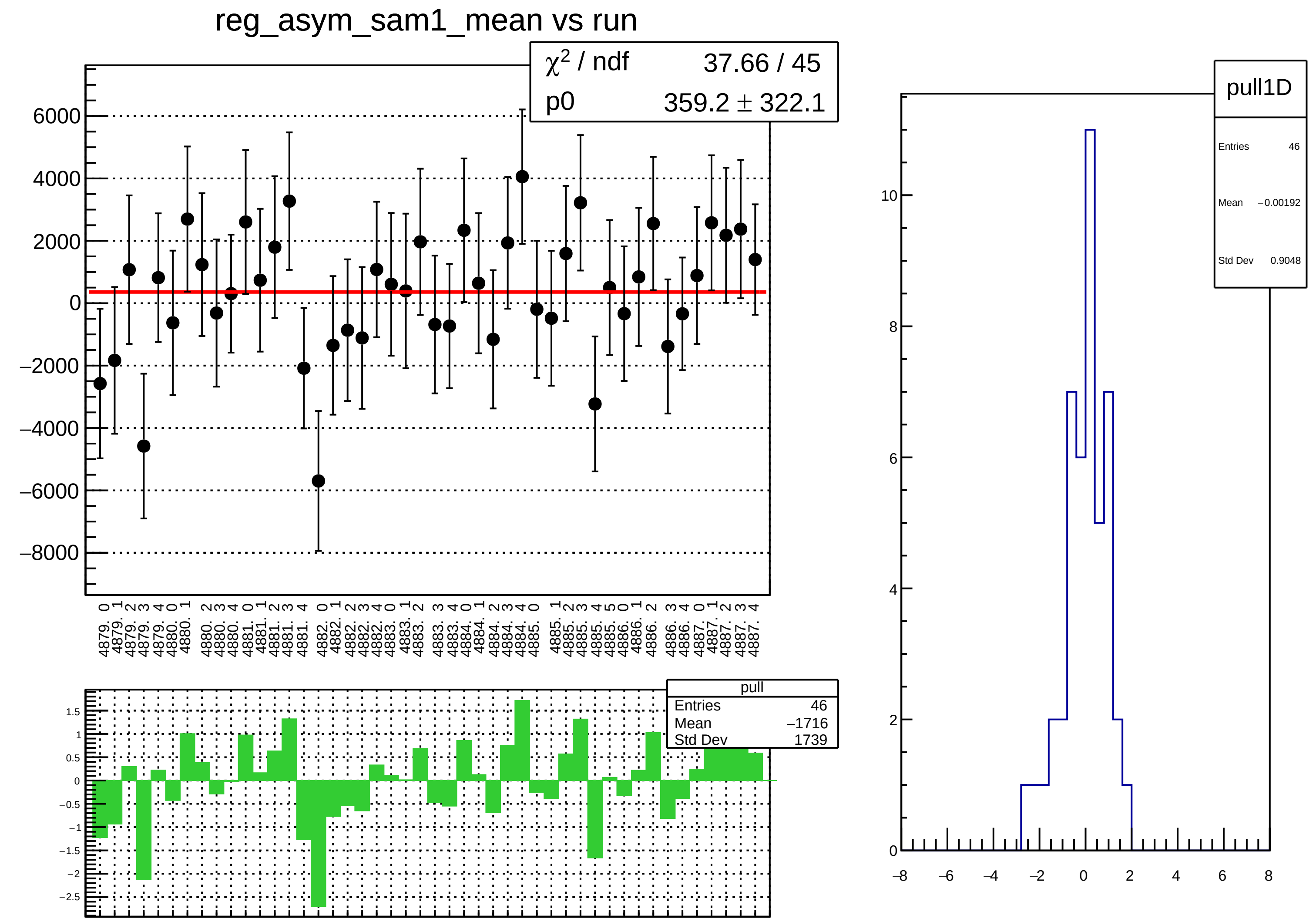
cor_sam7_mean vs run
χ^2 / ndf 31.49 / 45
p0 2246 ± 1986
pull
Entries 46
Mean −178.1
Std Dev 260.6
pull1D
Entries 46
Mean 0.001022
Std Dev 0.8273



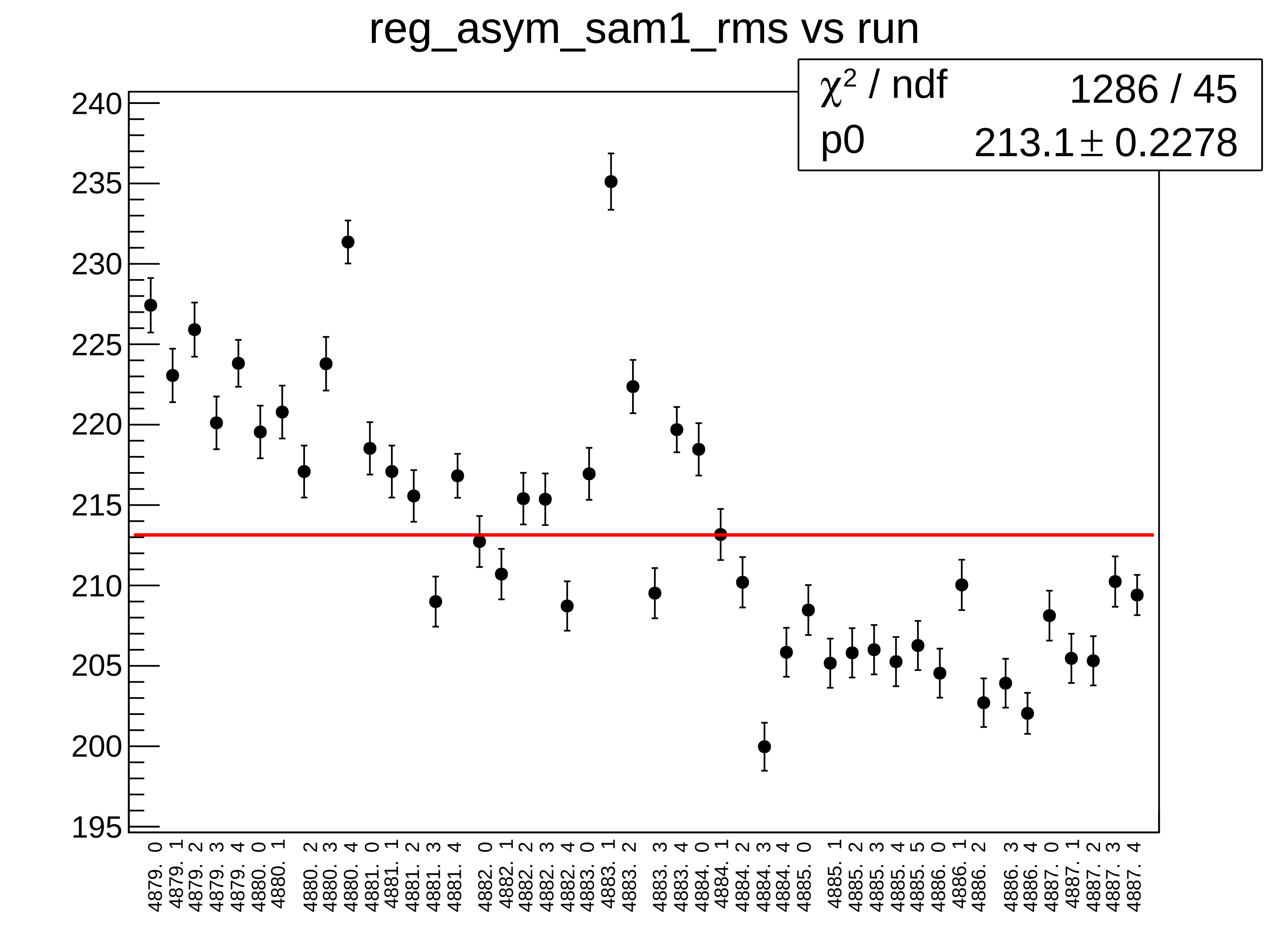
cor_sam7_rms vs run
χ^2 / ndf 289 / 45
p0 1315 ± 1.404
1400
1380
1360
1340
1320
1300
1280
1260
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

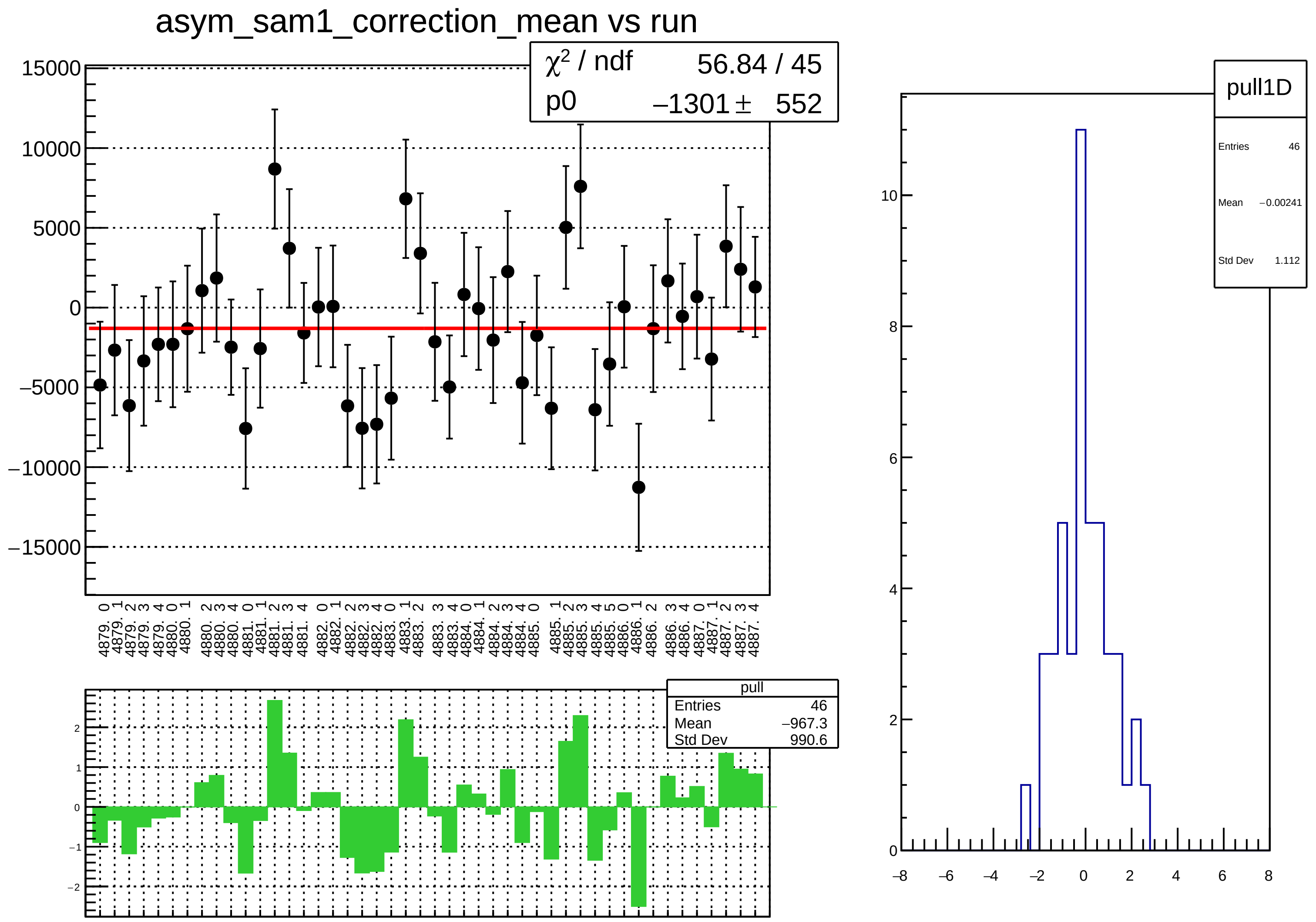

cor_sam8_mean vs run
χ^2 / ndf 29.79 / 45
p0 3701 ± 1901
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 46
Mean −86.69
Std Dev 128.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean 0.005753
Std Dev 0.8047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

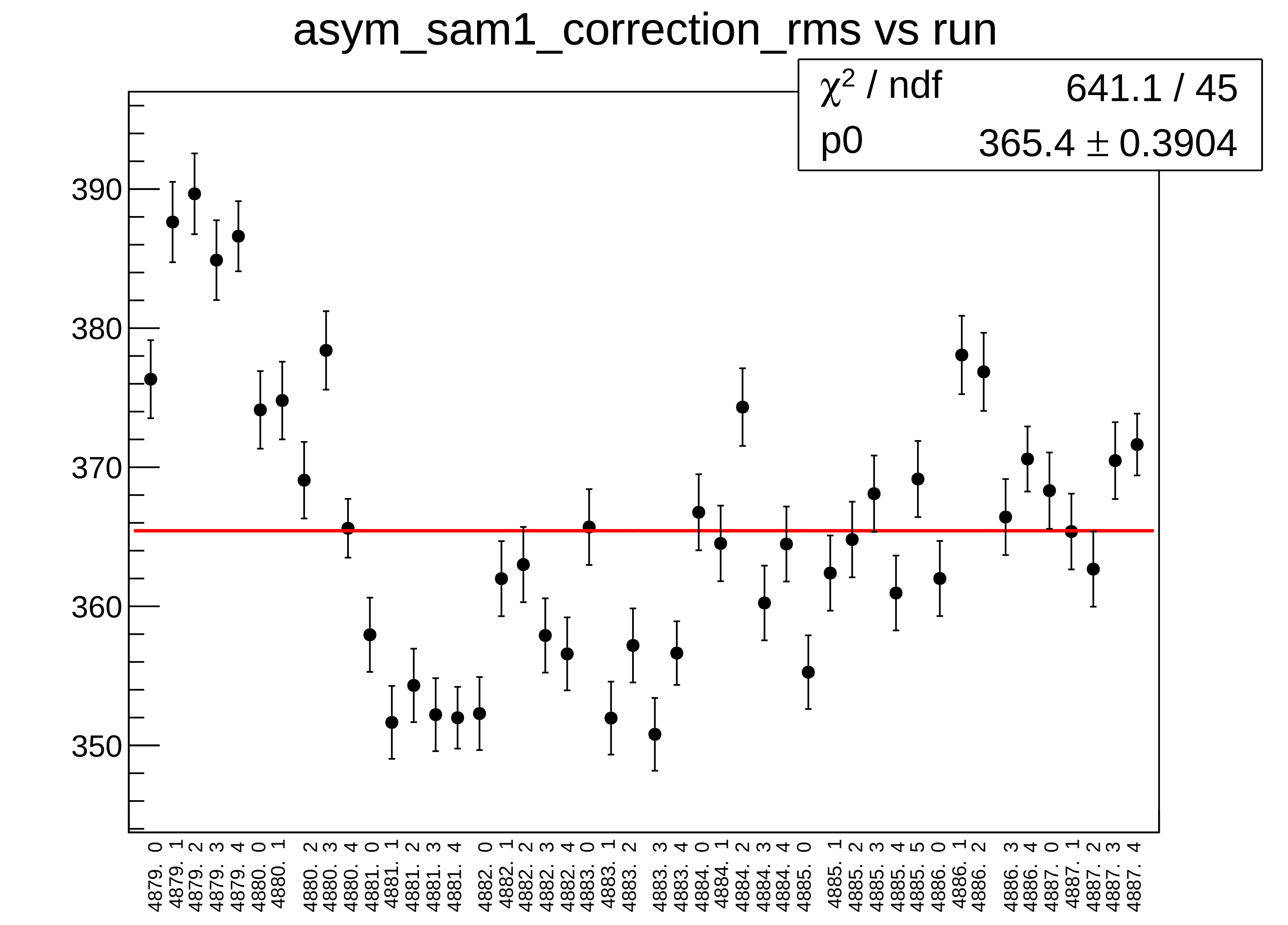

cor_sam8_rms vs run
χ^2 / ndf 250.7 / 45
p0 1259 ± 1.344
1320
1300
1280
1260
1240
1220
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



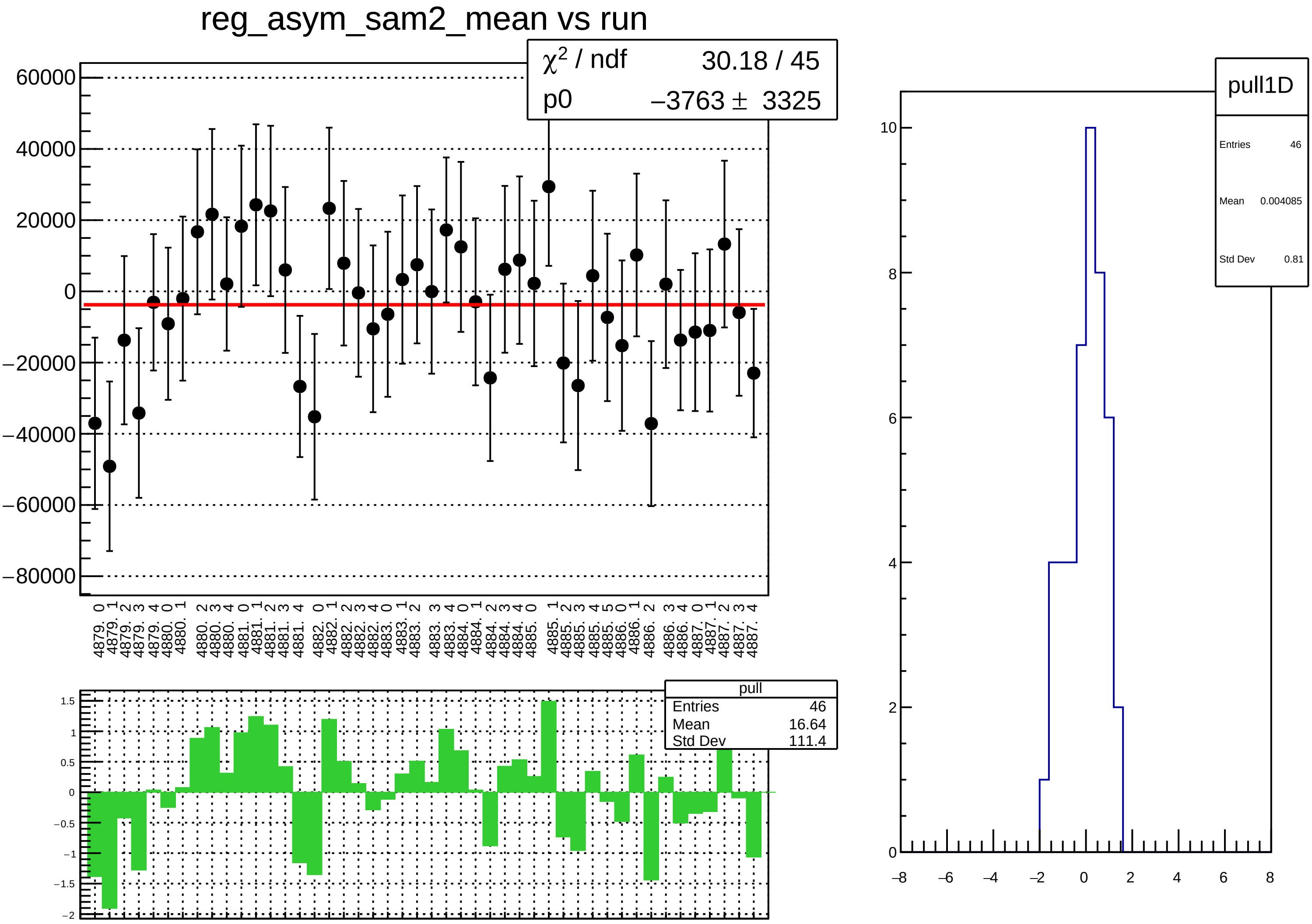
reg_asym_sam1_mean vs run
χ2 / ndf 37.66 / 45
p0 359.2 ± 322.1
pull
Entries 46
Mean −1716
Std Dev 1739
pull1D
Entries 46
Mean −0.00192
Std Dev 0.9048

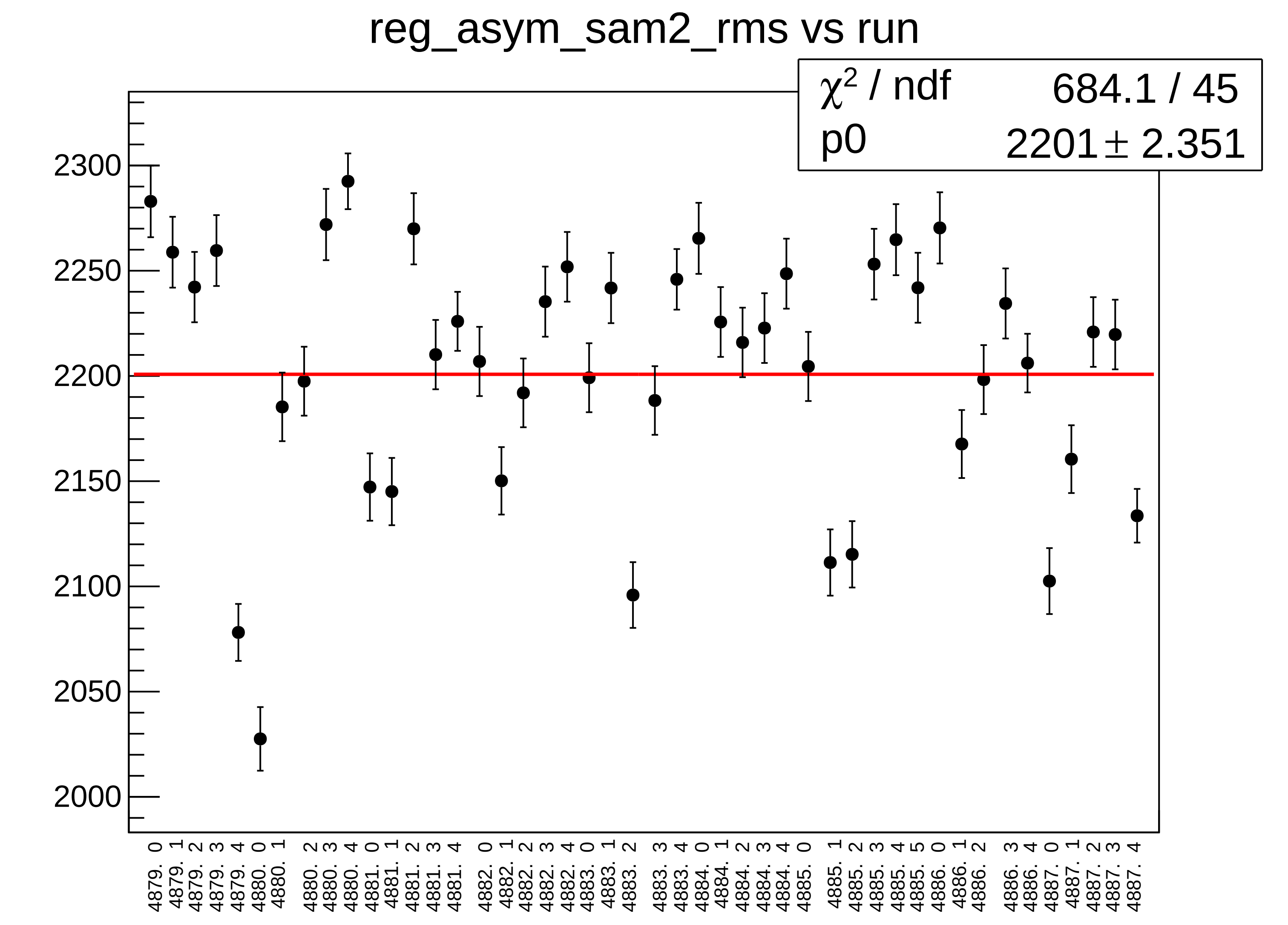

reg_asym_sam1_rms vs run
χ2 / ndf 1286 / 45
p0 213.1 ± 0.2278
240
235
230
225
220
215
210
205
200
195
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4

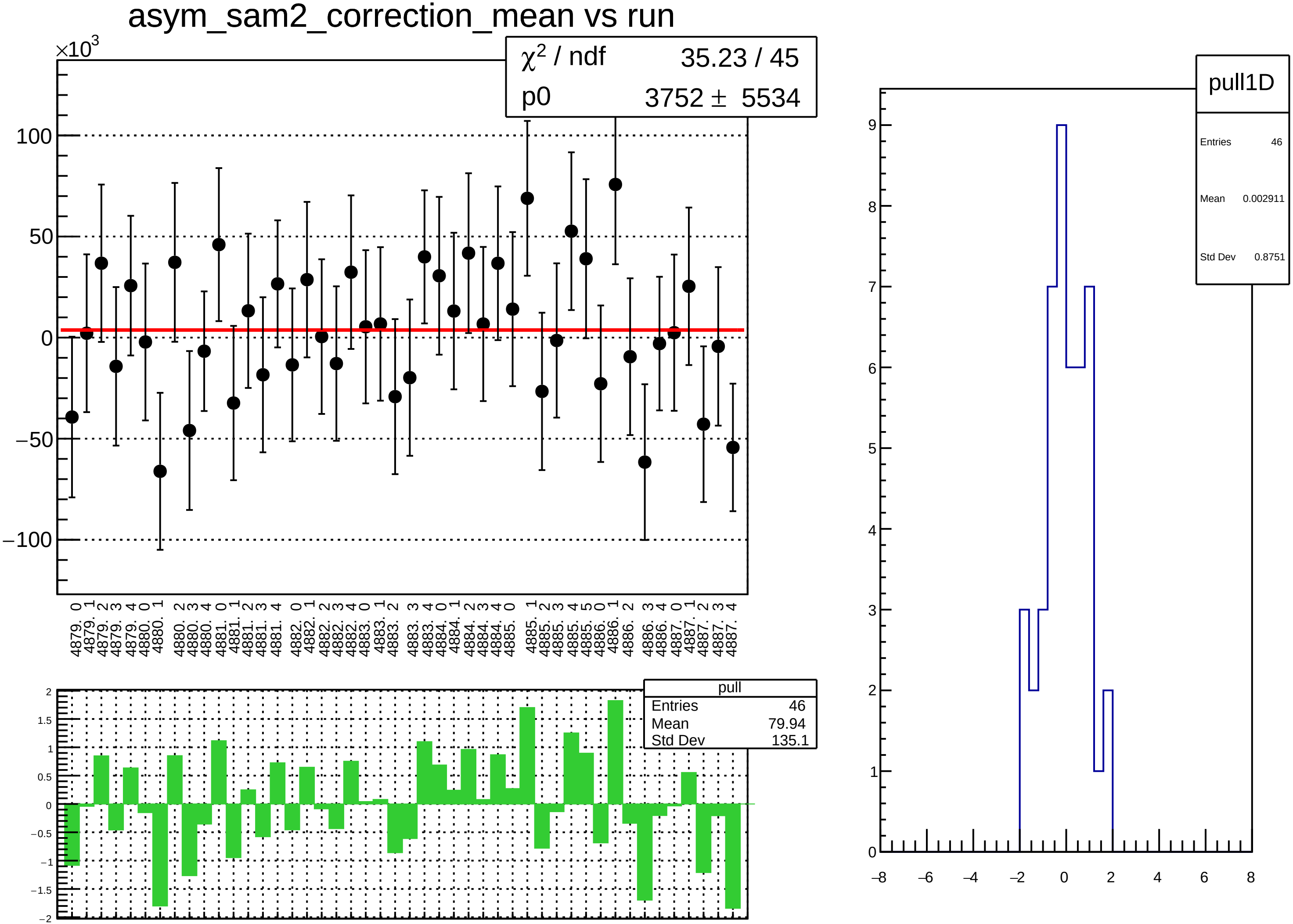

asym_sam1_correction_mean vs run
χ2 / ndf 56.84 / 45
p0 −1301 ± 552
pull
Entries 46
Mean −967.3
Std Dev 990.6
pull1D
Entries 46
Mean −0.00241
Std Dev 1.112



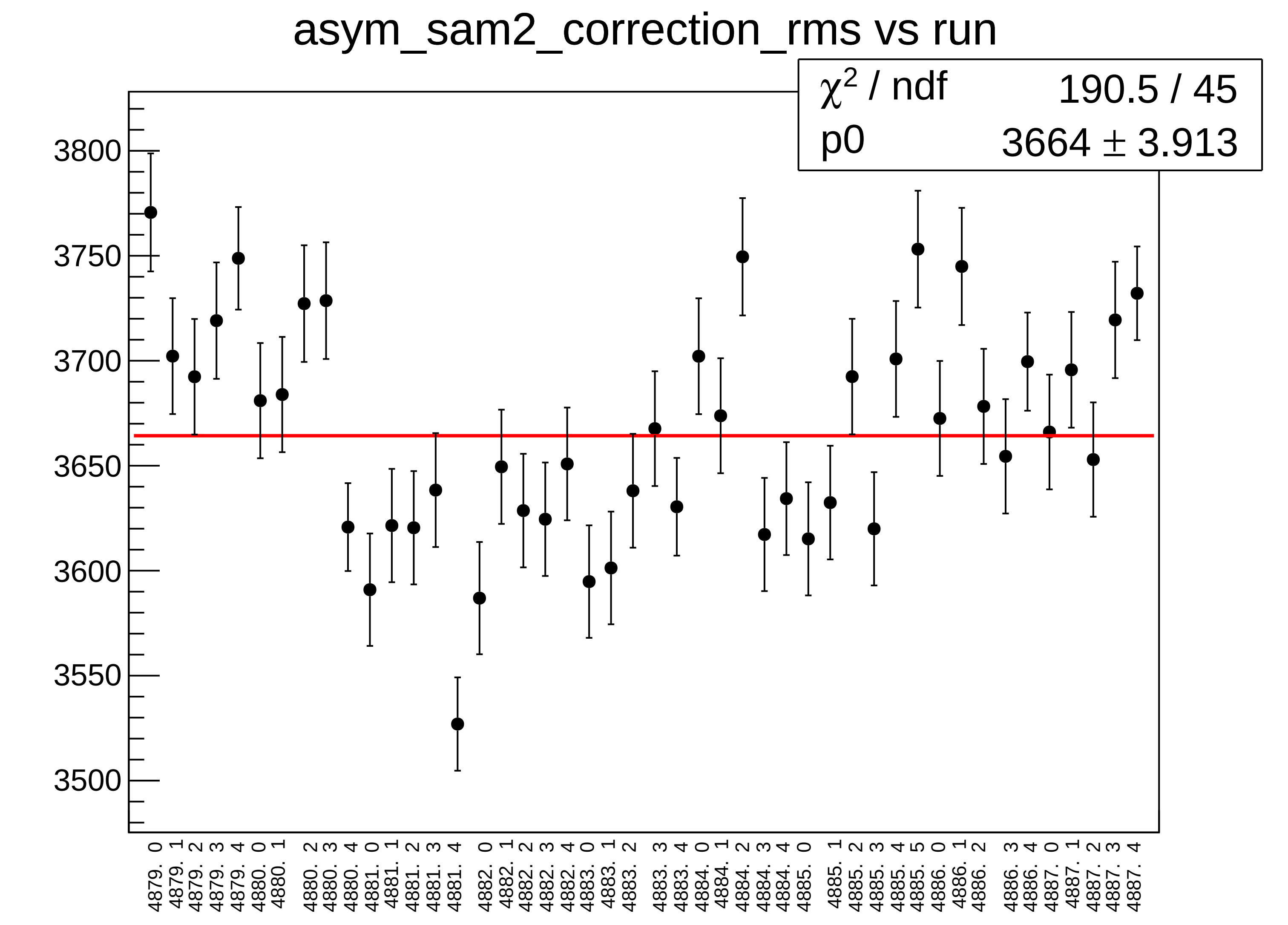
asym_sam1_correction_rms vs run
χ^2 / ndf 641.1 / 45
p0 365.4 ± 0.3904
390
380
370
360
350
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_sam2_mean vs run
χ2 / ndf 30.18 / 45
p0 −3763 ± 3325
pull
Entries 46
Mean 16.64
Std Dev 111.4
pull1D
Entries 46
Mean 0.004085
Std Dev 0.81


reg_asym_sam2_rms vs run
χ2 / ndf 684.1 / 45
p0 2201 ± 2.351
2300
2250
2200
2150
2100
2050
2000
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4



asym_sam2_correction_mean vs run
×10^3
χ2 / ndf 35.23 / 45
p0 3752 ± 5534
100
50
0
−50
−100
pull
Entries 46
Mean 79.94
Std Dev 135.1
pull1D
Entries 46
Mean 0.002911
Std Dev 0.8751


asym_sam2_correction_rms vs run
χ2 / ndf 190.5 / 45
p0 3664 ± 3.913
3800
3750
3700
3650
3600
3550
3500
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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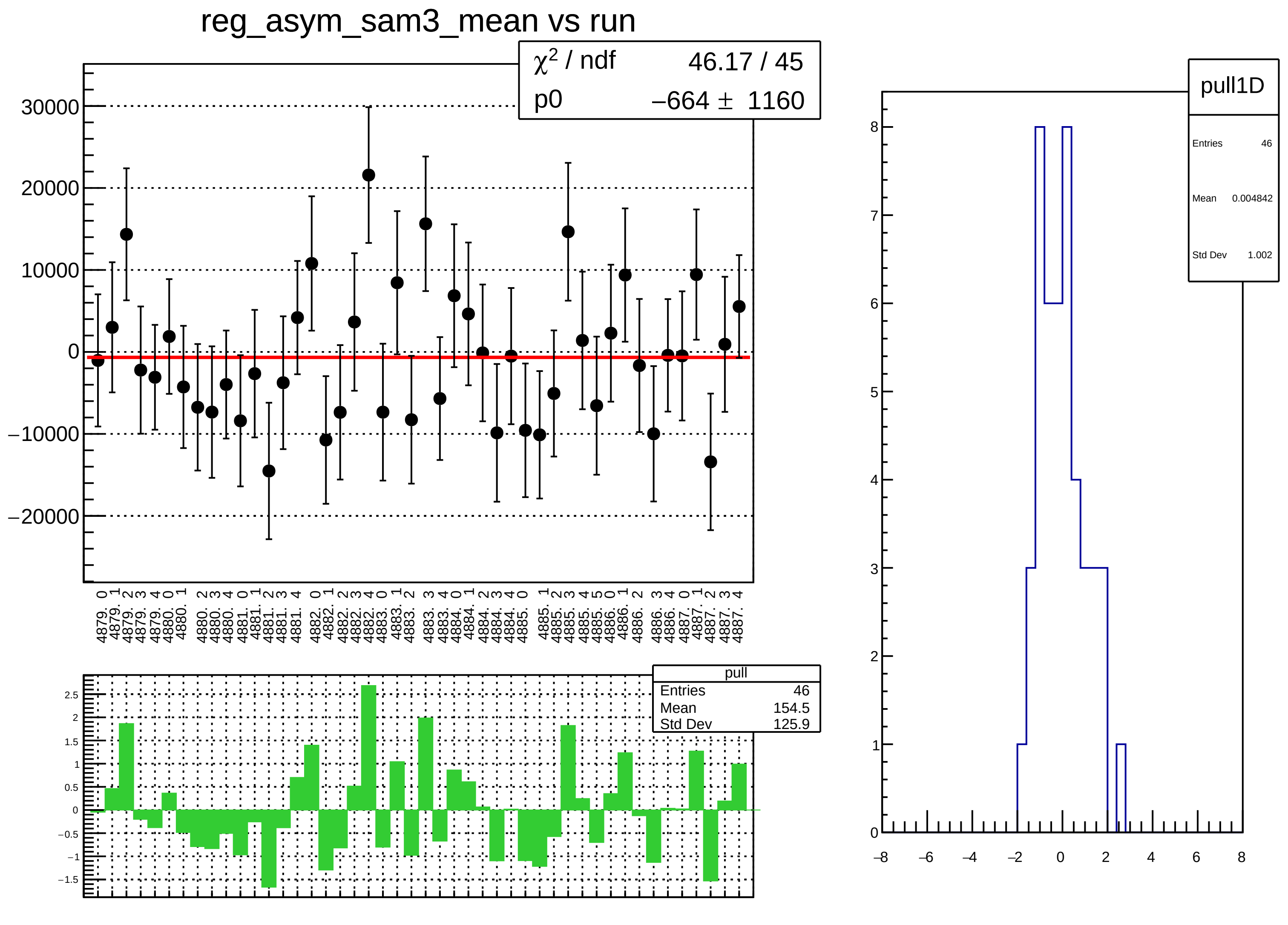
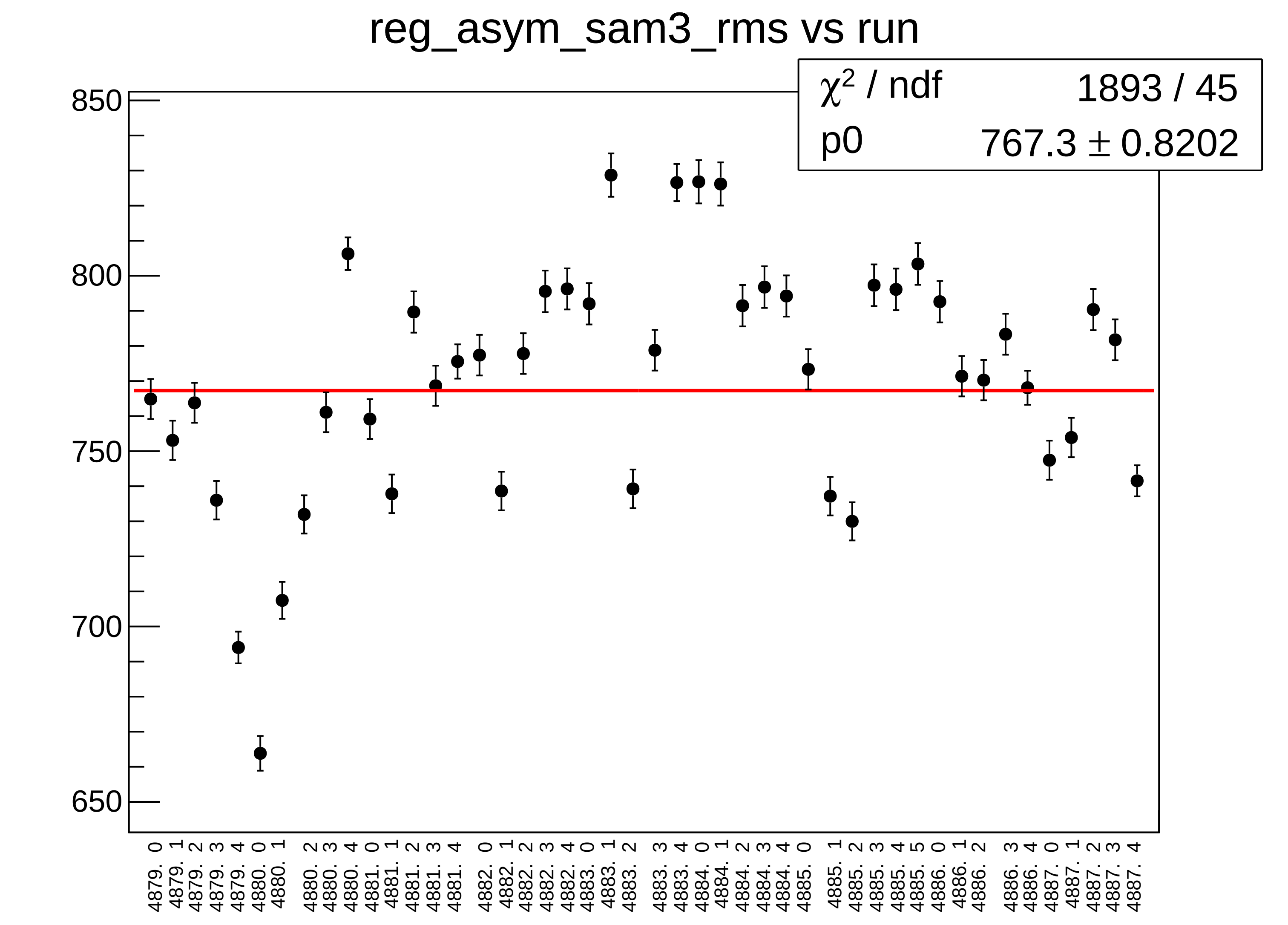
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


reg_asym_sam3_mean vs run
χ2 / ndf 46.17 / 45
p0 −664 ± 1160
30000
20000
10000
0
−10000
−20000
pull
Entries 46
Mean 154.5
Std Dev 125.9
pull1D
Entries 46
Mean 0.004842
Std Dev 1.002


reg_asym_sam3_rms vs run
χ2 / ndf 1893 / 45
p0 767.3 ± 0.8202
850
800
750
700
650
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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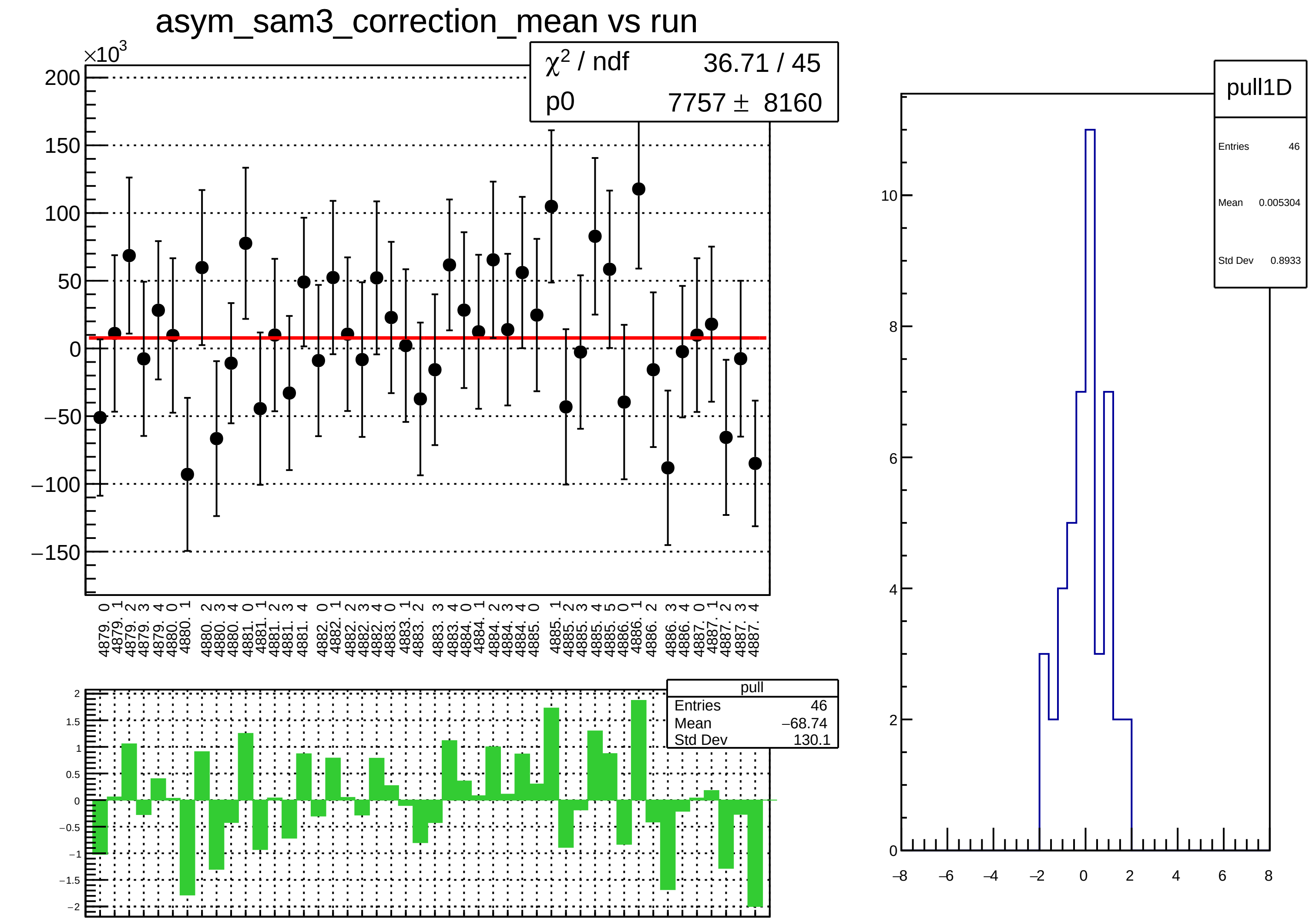
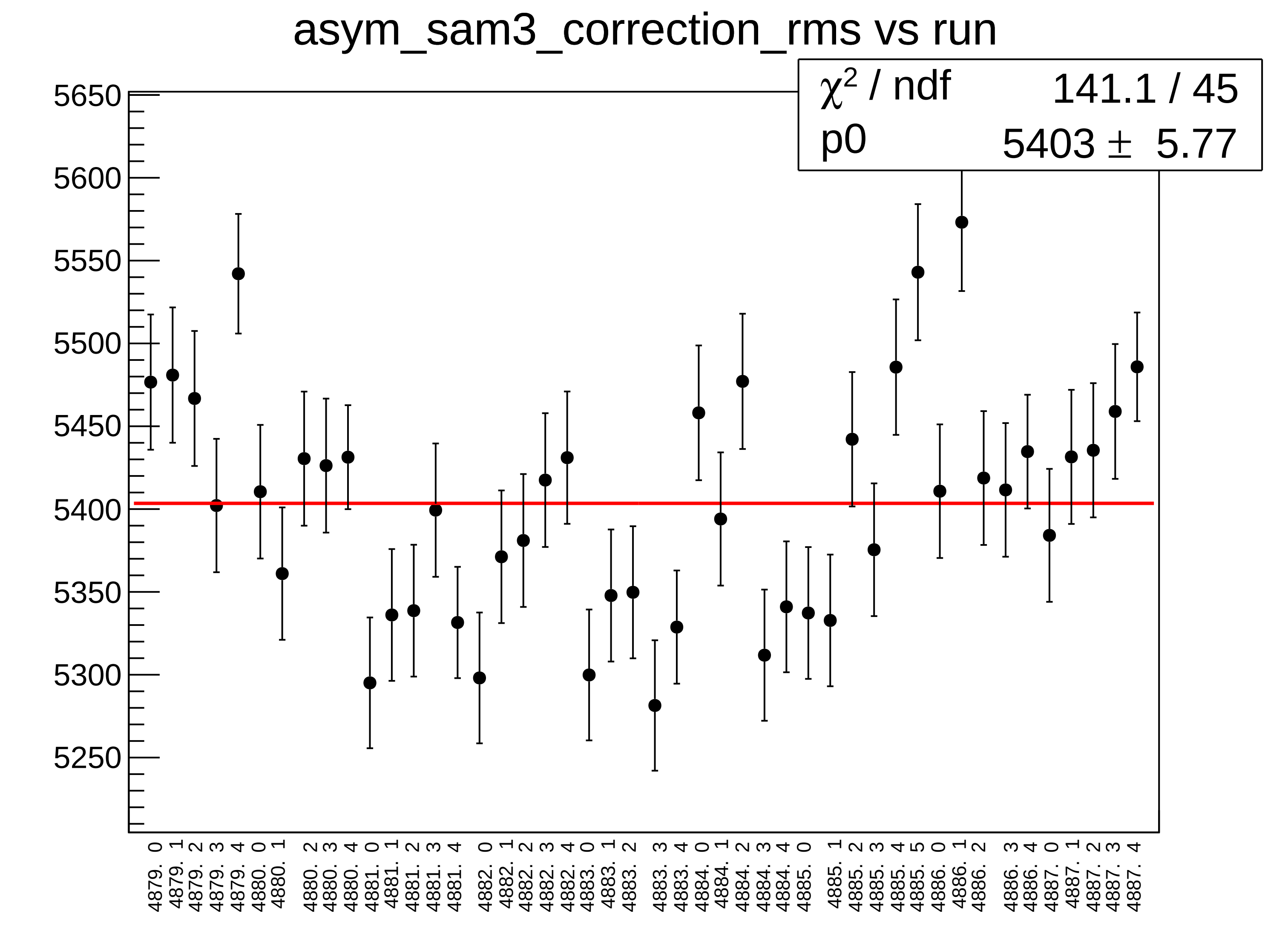
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam3_correction_mean vs run
χ^2 / ndf 36.71 / 45
p0 7757 ± 8160
×10^3
pull
Entries 46
Mean −68.74
Std Dev 130.1
pull1D
Entries 46
Mean 0.005304
Std Dev 0.8933



asym_sam3_correction_rms vs run
χ2 / ndf 141.1 / 45
p0 5403 ± 5.77
5650
5600
5550
5500
5450
5400
5350
5300
5250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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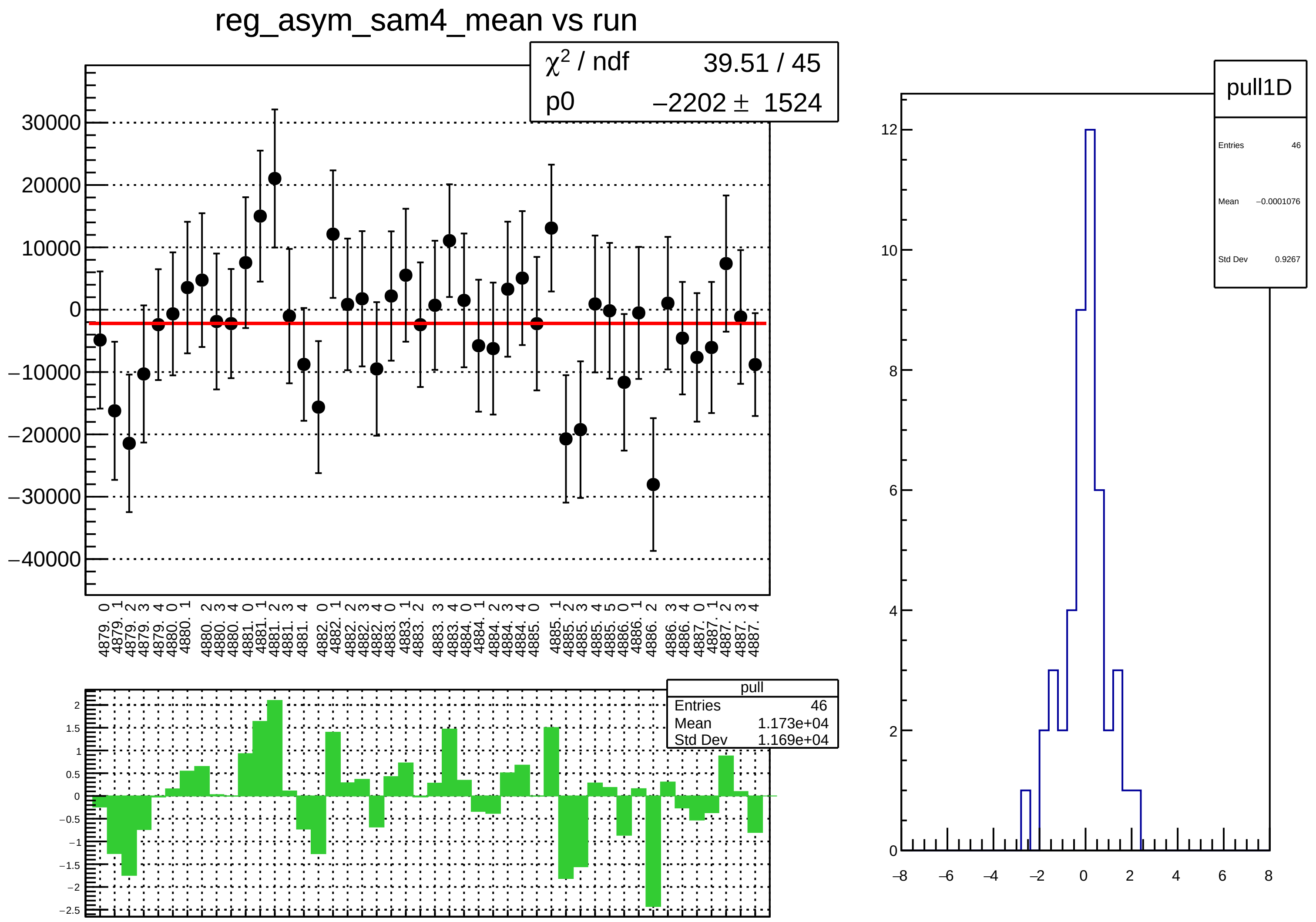
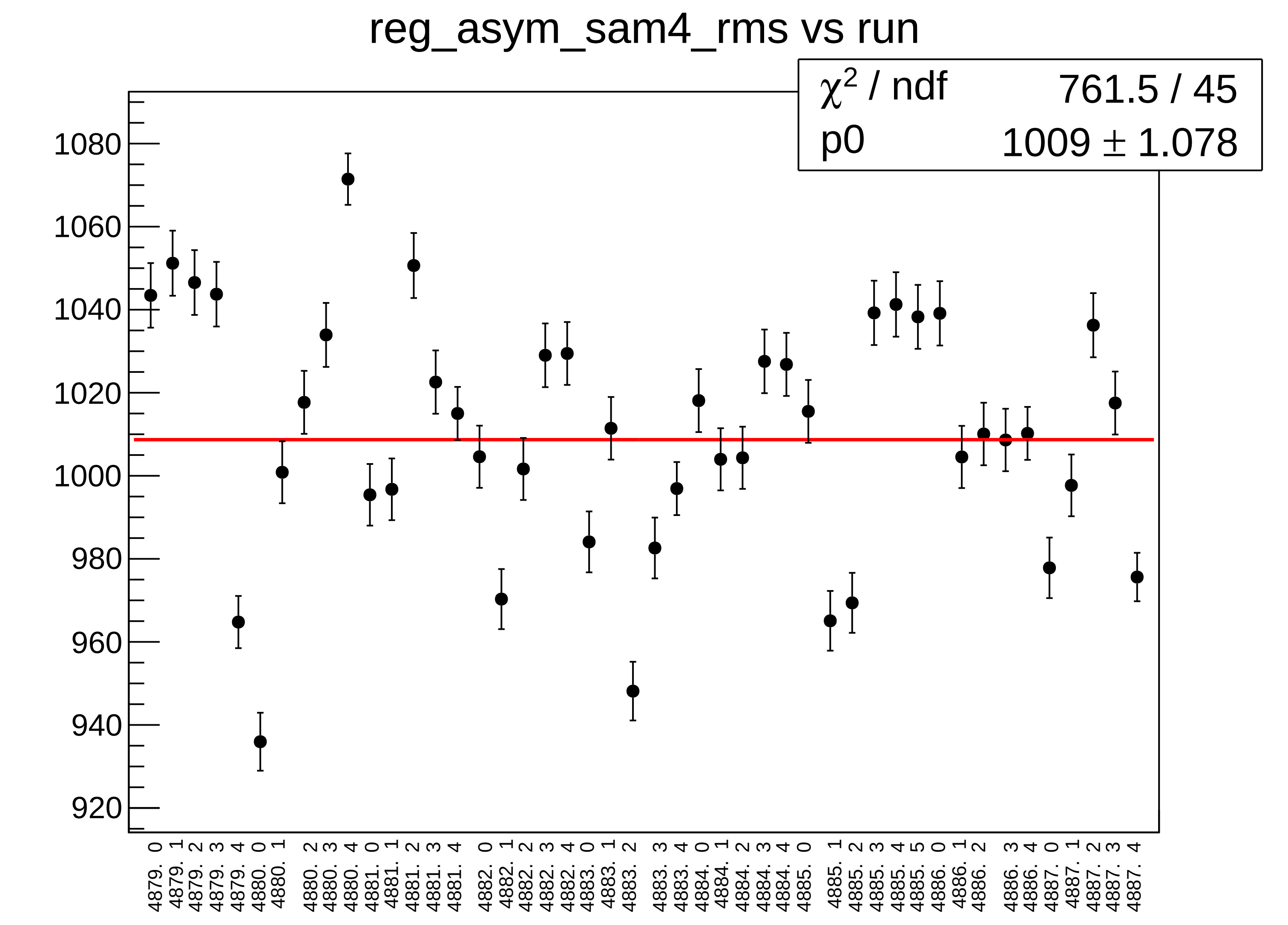
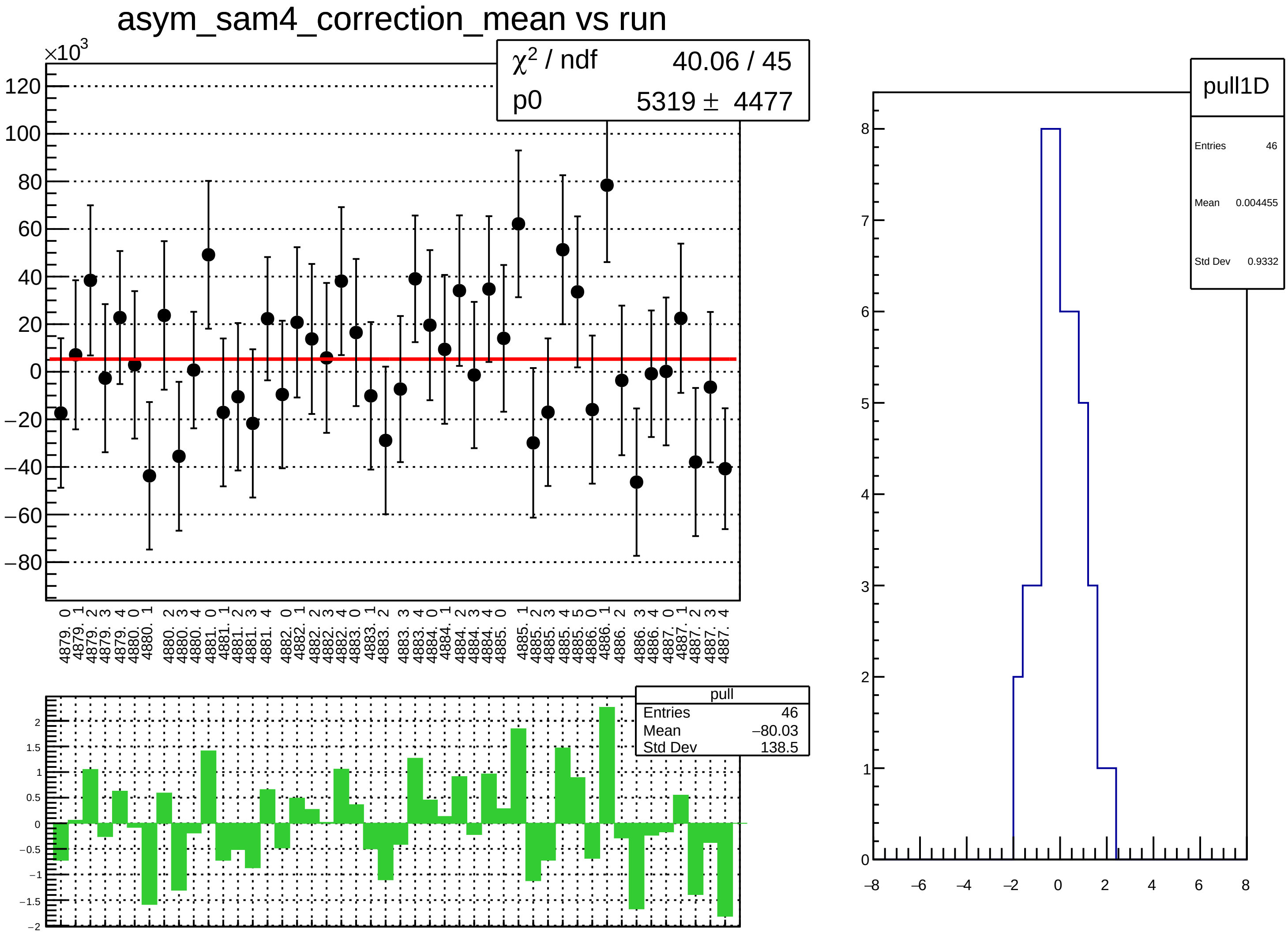
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

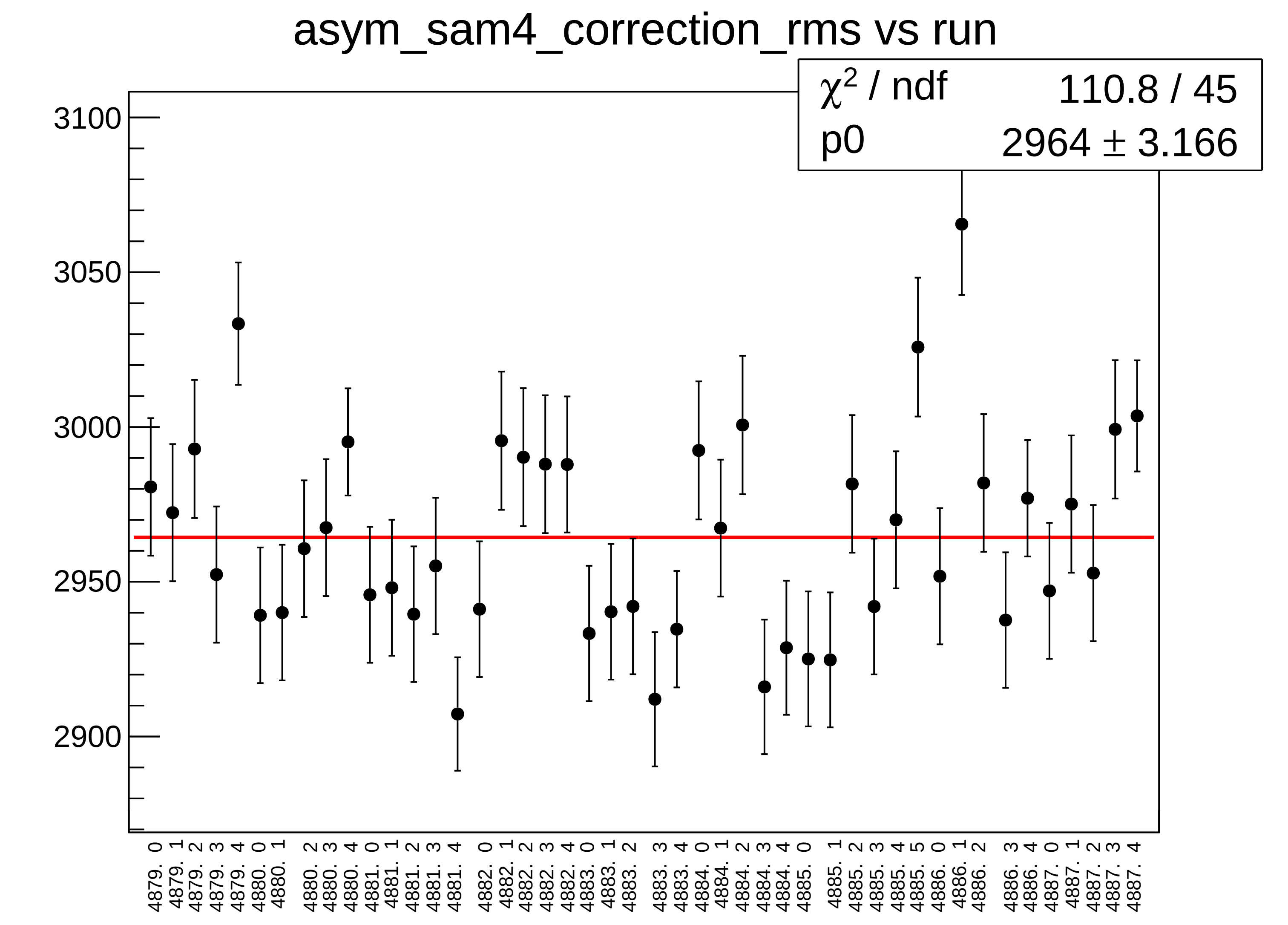


reg_asym_sam4_mean vs run
χ2 / ndf 39.51 / 45
p0 −2202 ± 1524
pull
Entries 46
Mean 1.173e+04
Std Dev 1.169e+04
pull1D
Entries 46
Mean −0.0001076
Std Dev 0.9267

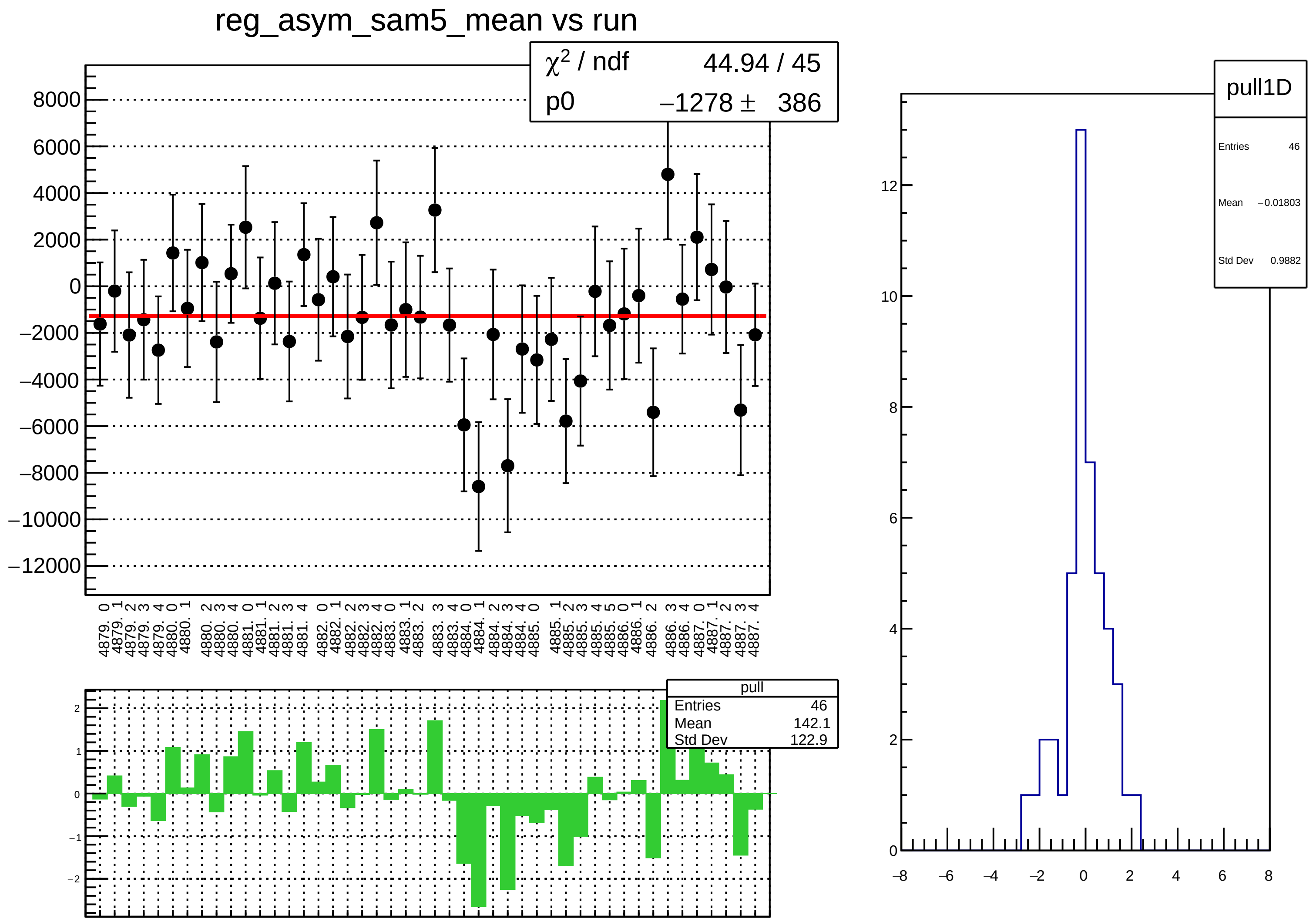

reg_asym_sam4_rms vs run
χ^2 / ndf 761.5 / 45
p0 1009 ± 1.078
1080
1060
1040
1020
1000
980
960
940
920
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

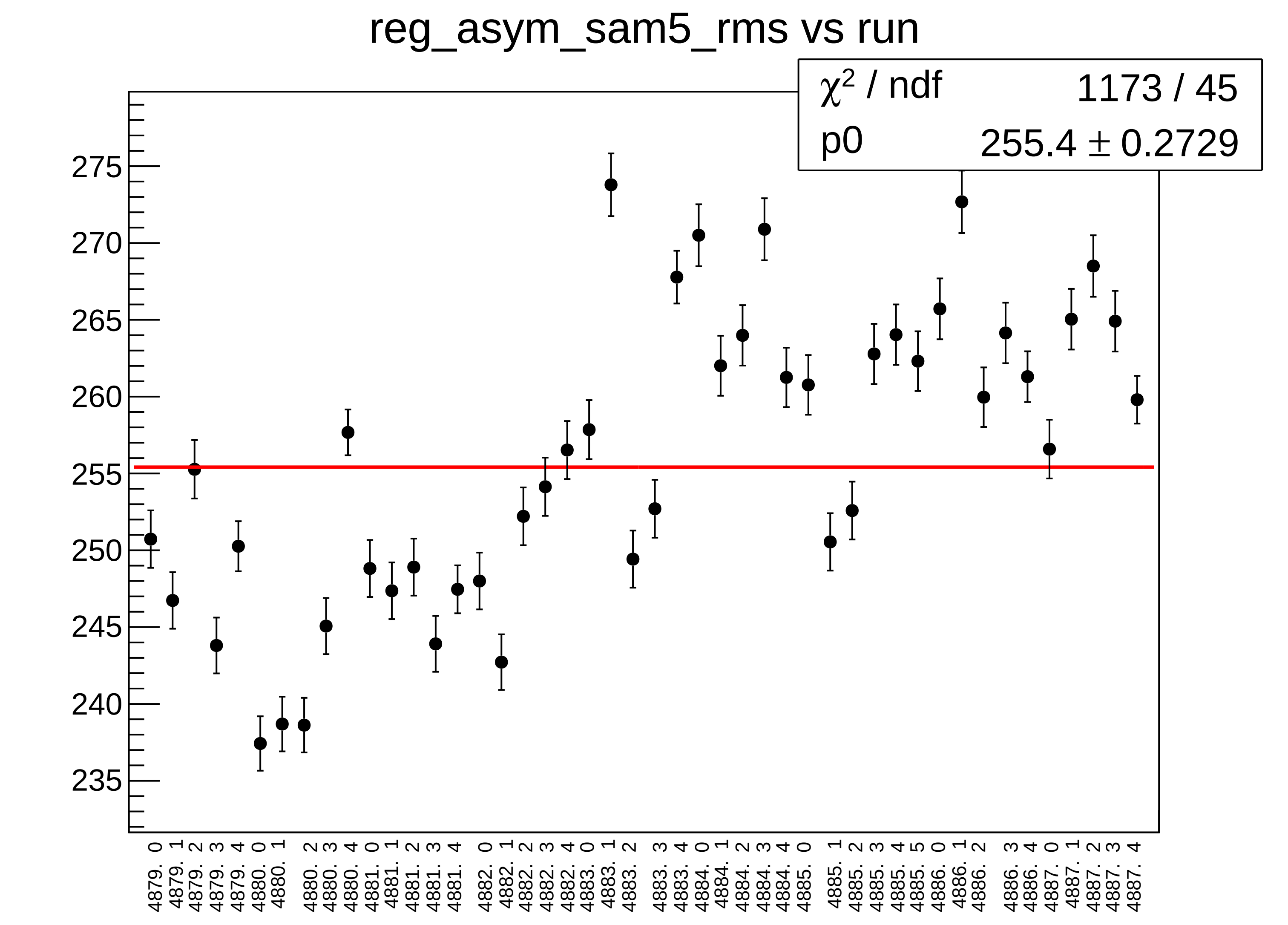


asym_sam4_correction_mean vs run
χ^2 / ndf 40.06 / 45
p0 5319 ± 4477
×10^3
pull
Entries 46
Mean −80.03
Std Dev 138.5
pull1D
Entries 46
Mean 0.004455
Std Dev 0.9332

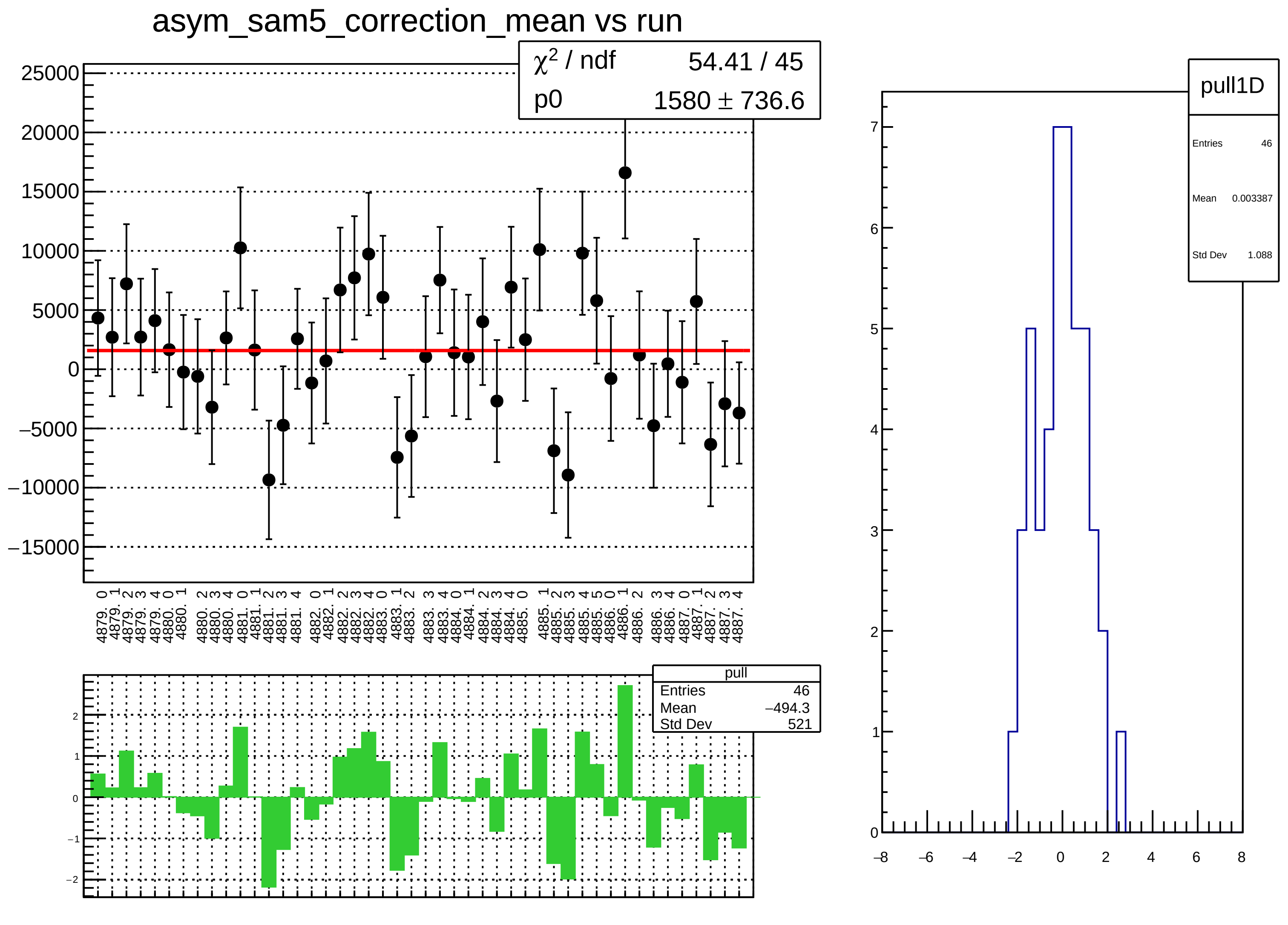


asym_sam4_correction_rms vs run
χ2 / ndf 110.8 / 45
p0 2964 ± 3.166
3100
3050
3000
2950
2900
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

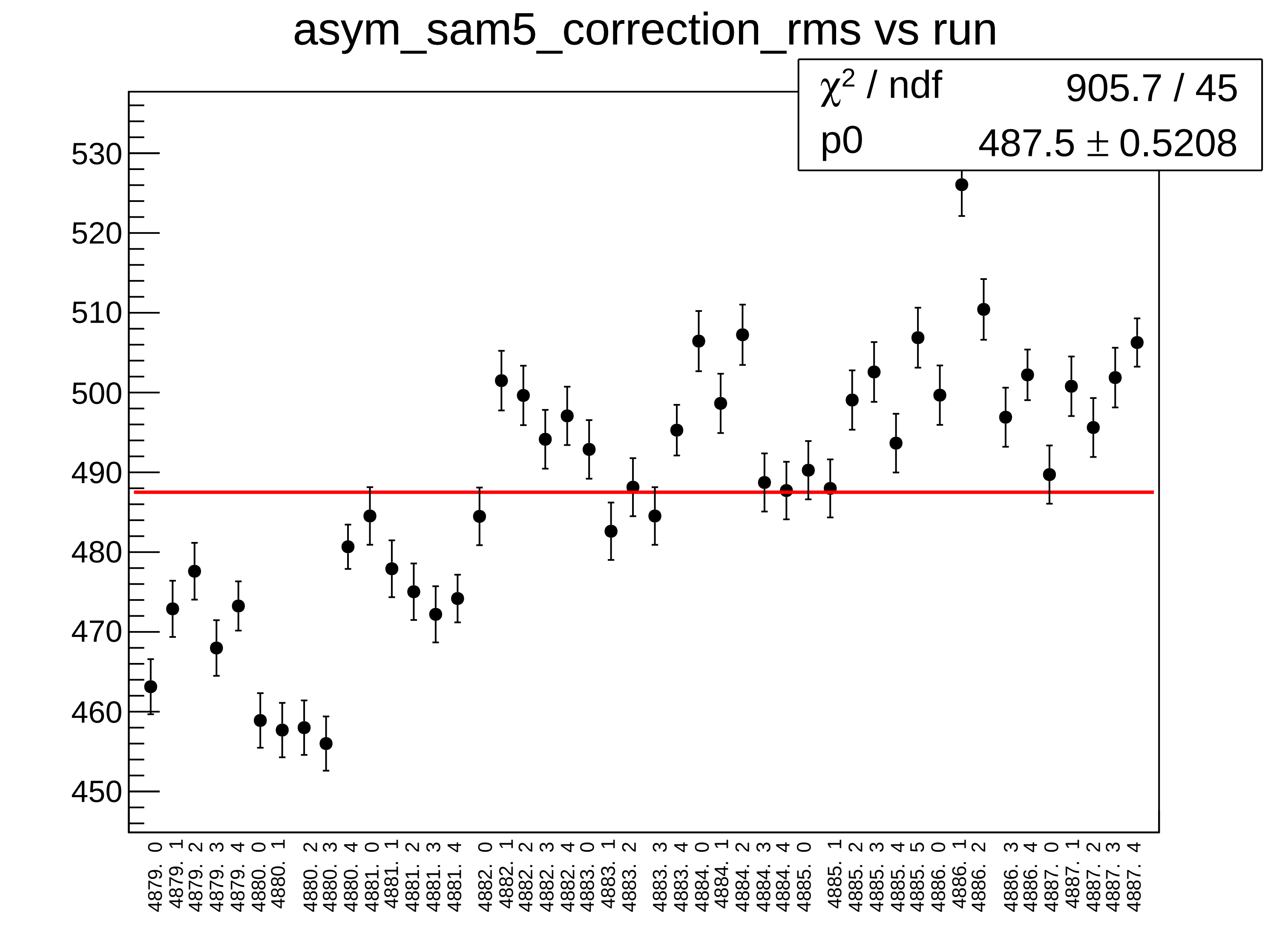

reg_asym_sam5_mean vs run
χ^2 / ndf 44.94 / 45
p0 −1278 ± 386
pull
Entries 46
Mean 142.1
Std Dev 122.9
pull1D
Entries 46
Mean −0.01803
Std Dev 0.9882



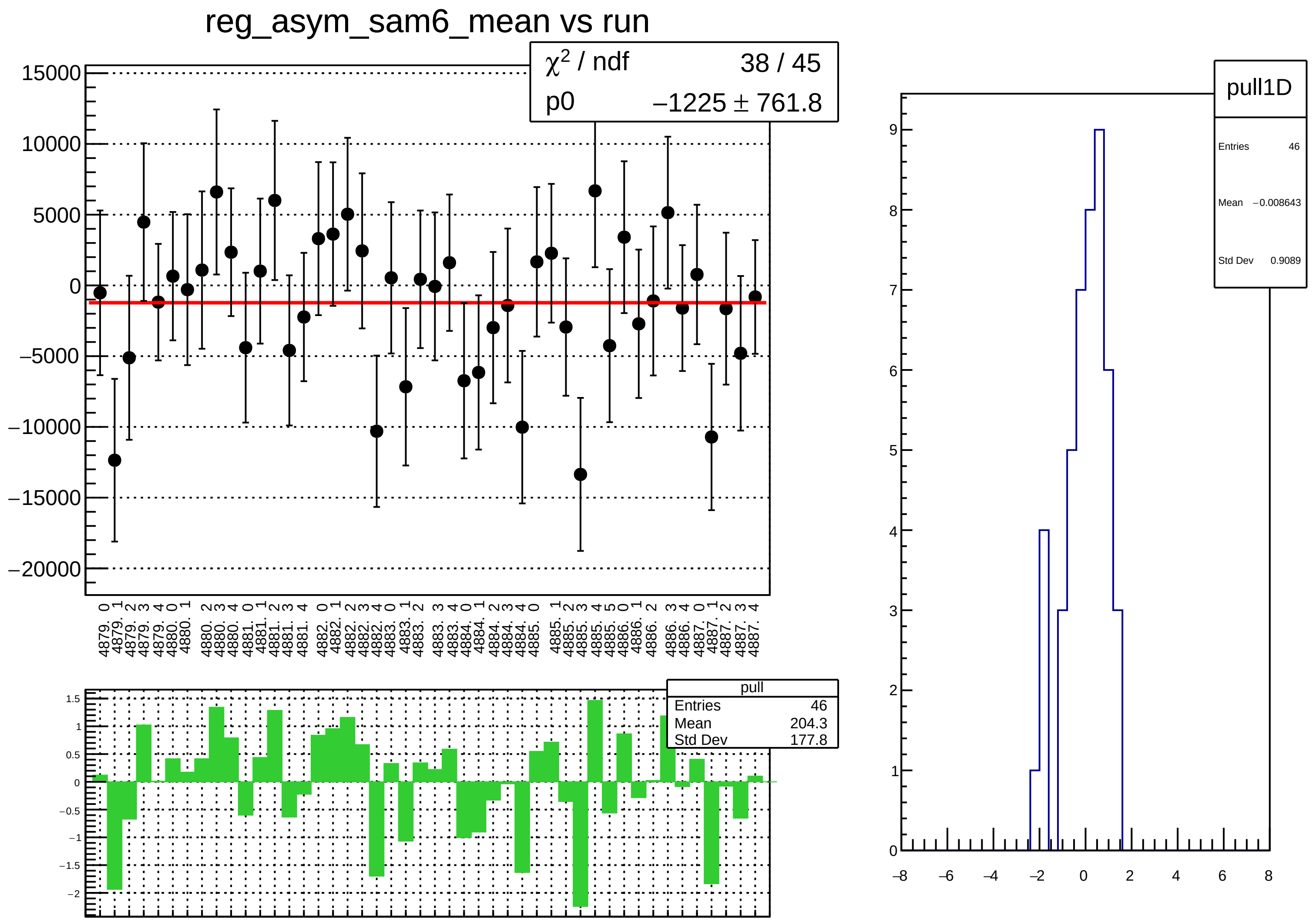
reg_asym_sam5_rms vs run
χ2 / ndf 1173 / 45
p0 255.4 ± 0.2729
275
270
265
260
255
250
245
240
235
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



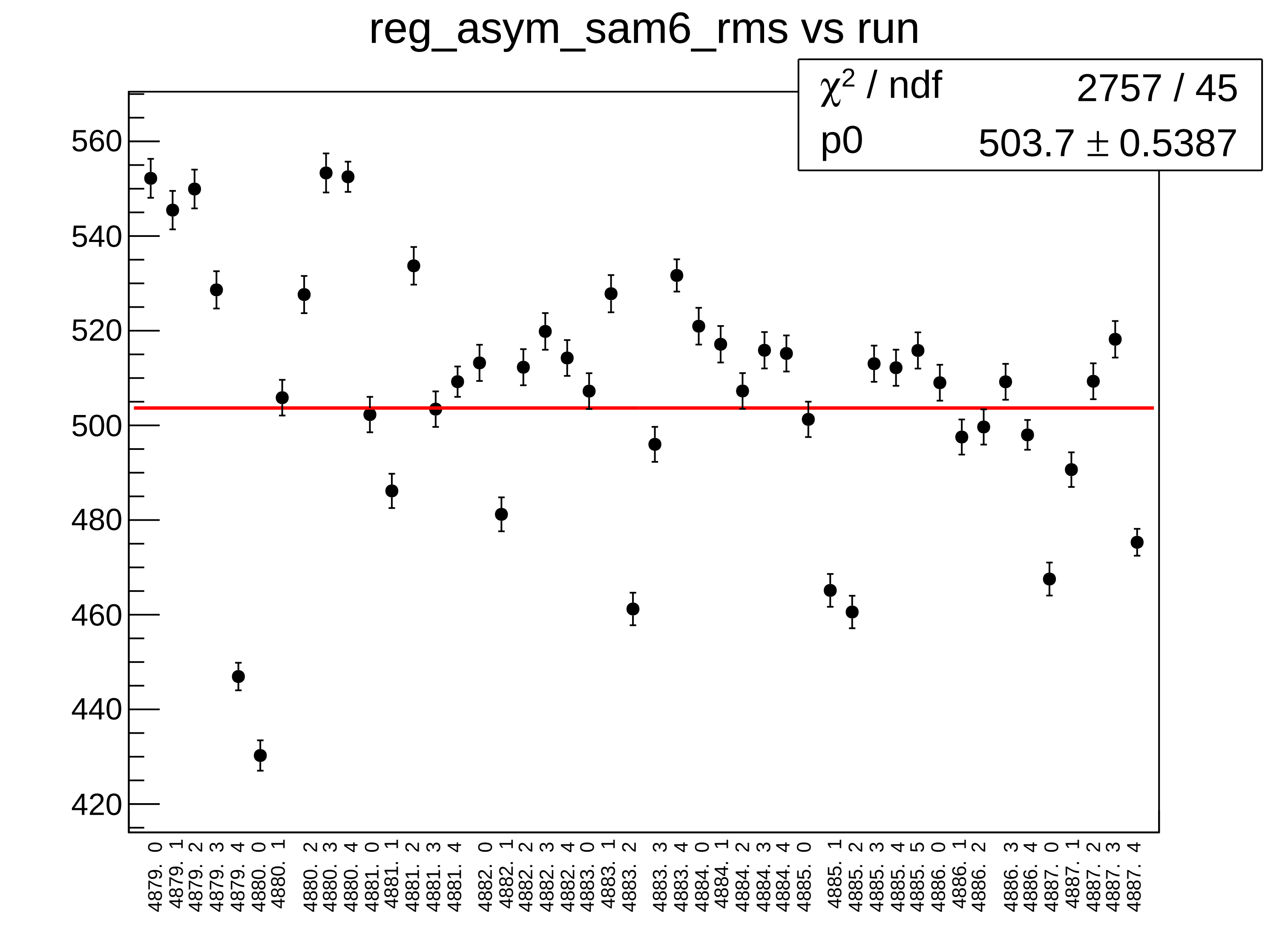
asym_sam5_correction_mean vs run
χ2 / ndf 54.41 / 45
p0 1580 ± 736.6
pull
Entries 46
Mean −494.3
Std Dev 521
pull1D
Entries 46
Mean 0.003387
Std Dev 1.088



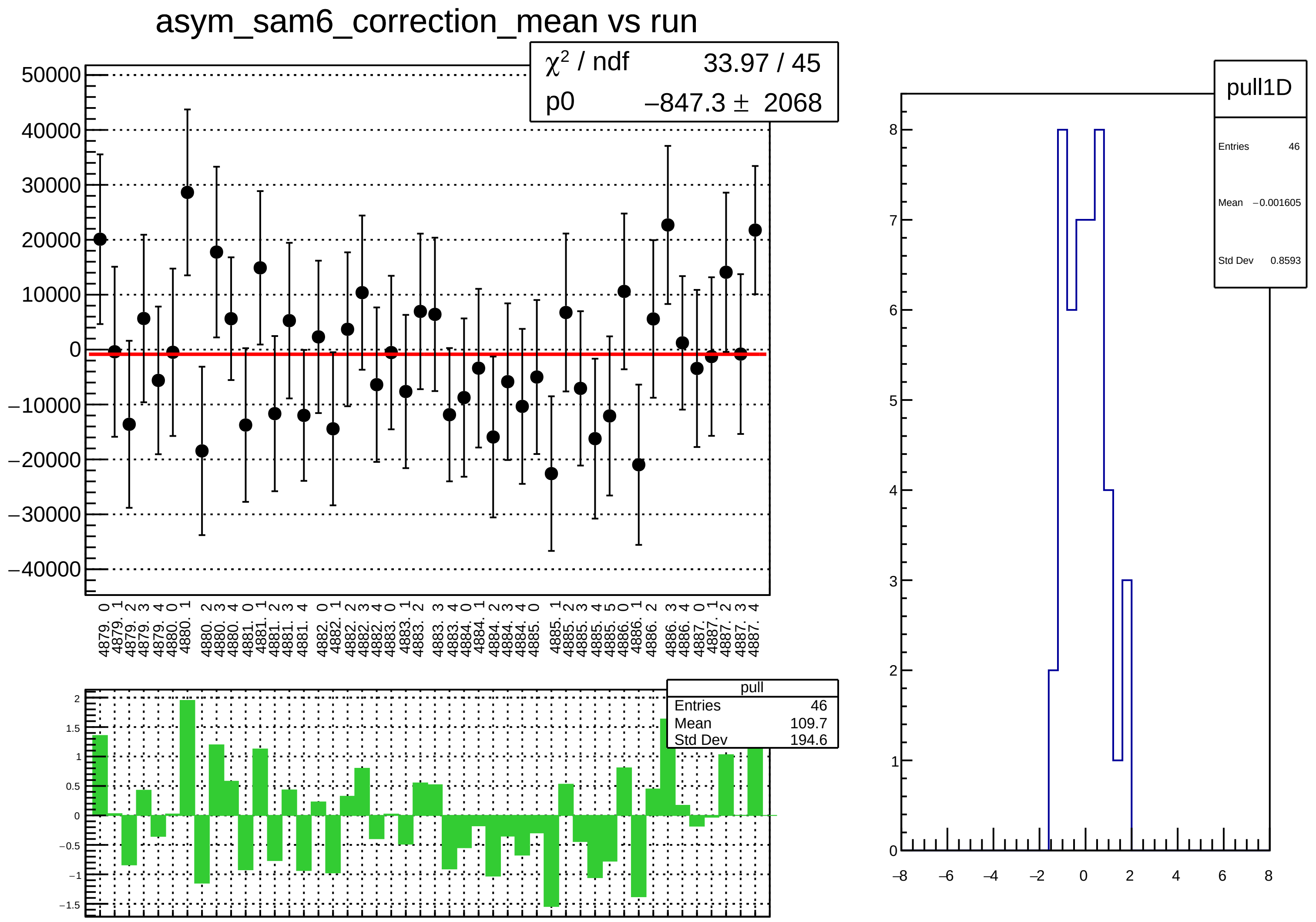
asym_sam5_correction_rms vs run
χ^2 / ndf 905.7 / 45
p0 487.5 ± 0.5208
530
520
510
500
490
480
470
460
450
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

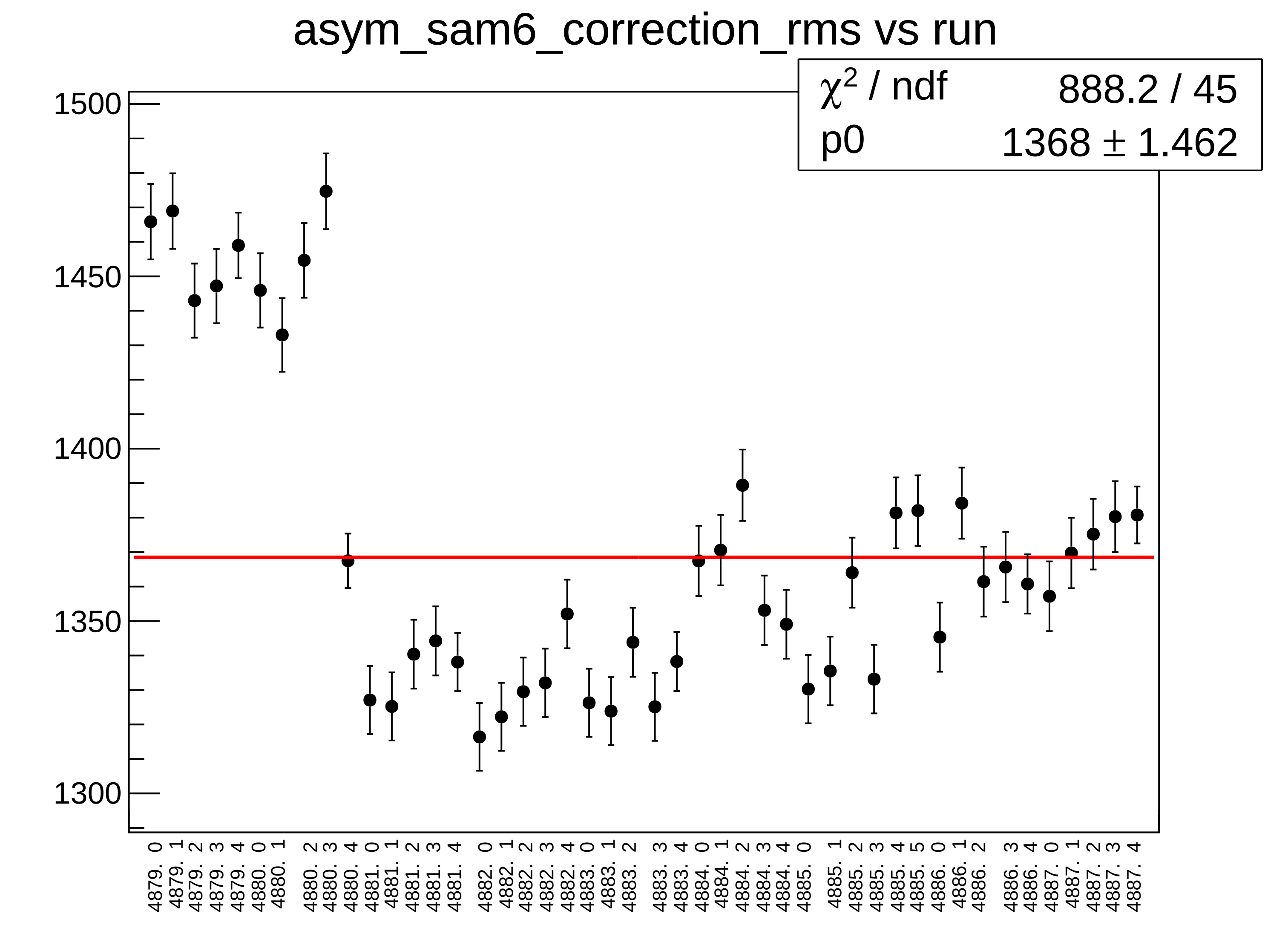


reg_asym_sam6_mean vs run
χ^2 / ndf 38 / 45
p0 −1225 ± 761.8
pull
Entries 46
Mean 204.3
Std Dev 177.8
pull1D
Entries 46
Mean −0.008643
Std Dev 0.9089



reg_asym_sam6_rms vs run
χ2 / ndf 2757 / 45
p0 503.7 ± 0.5387
560
540
520
500
480
460
440
420
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_sam6_correction_mean vs run
χ^2 / ndf 33.97 / 45
p0 −847.3 ± 2068
pull
Entries 46
Mean 109.7
Std Dev 194.6
pull1D
Entries 46
Mean −0.001605
Std Dev 0.8593



asym_sam6_correction_rms vs run
χ^2 / ndf 888.2 / 45
p0 1368 ± 1.462
1500
1450
1400
1350
1300
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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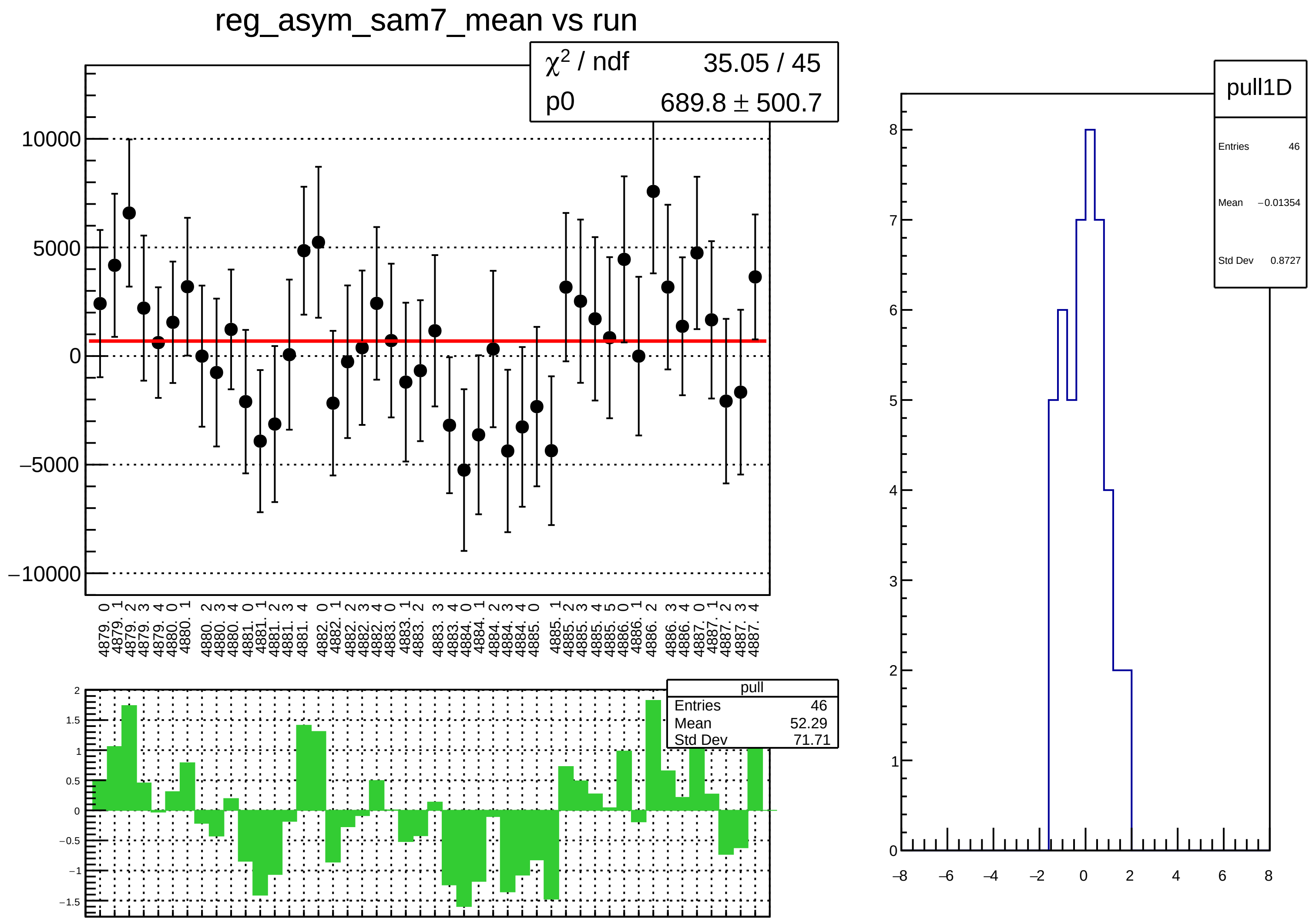
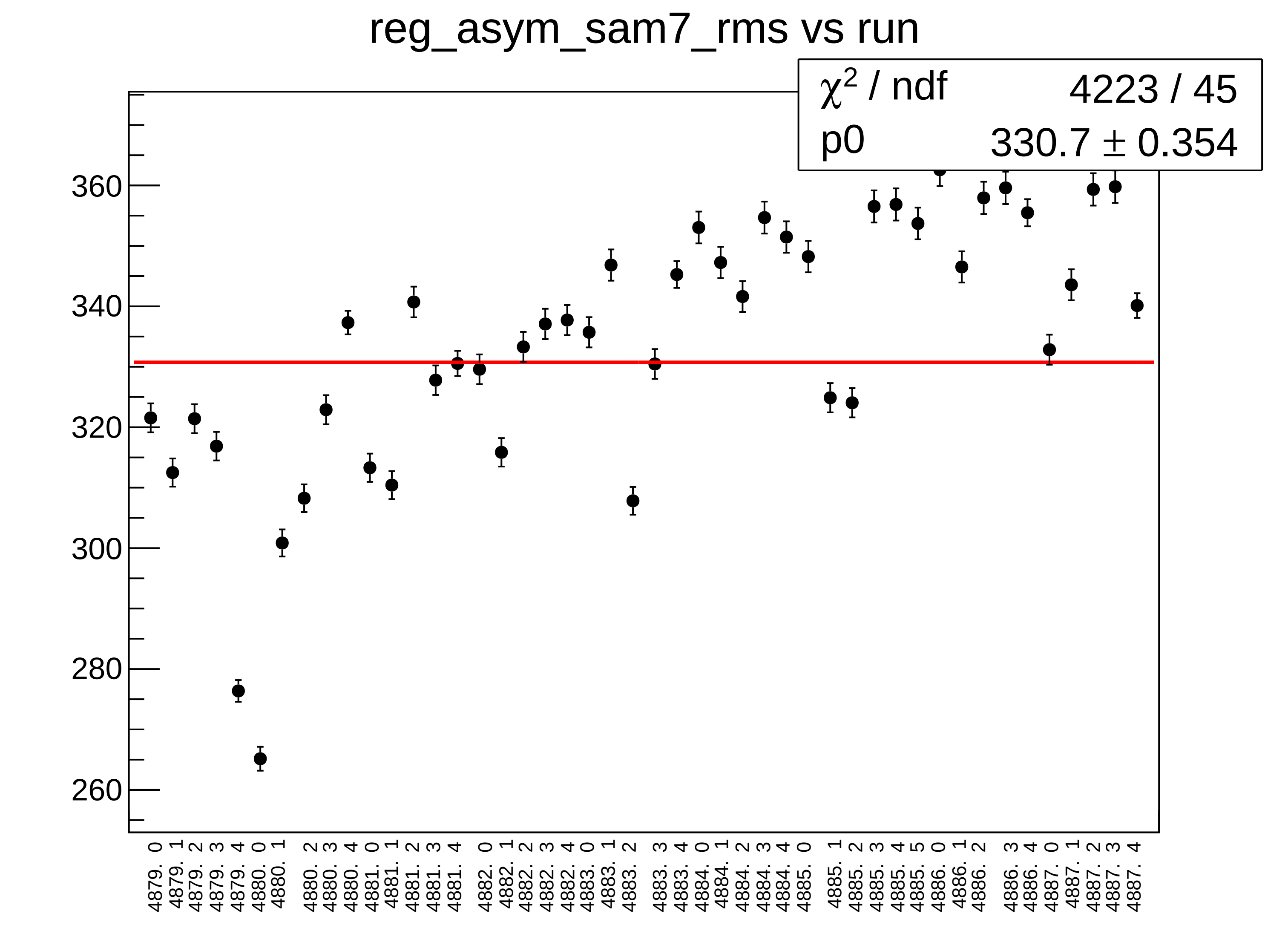
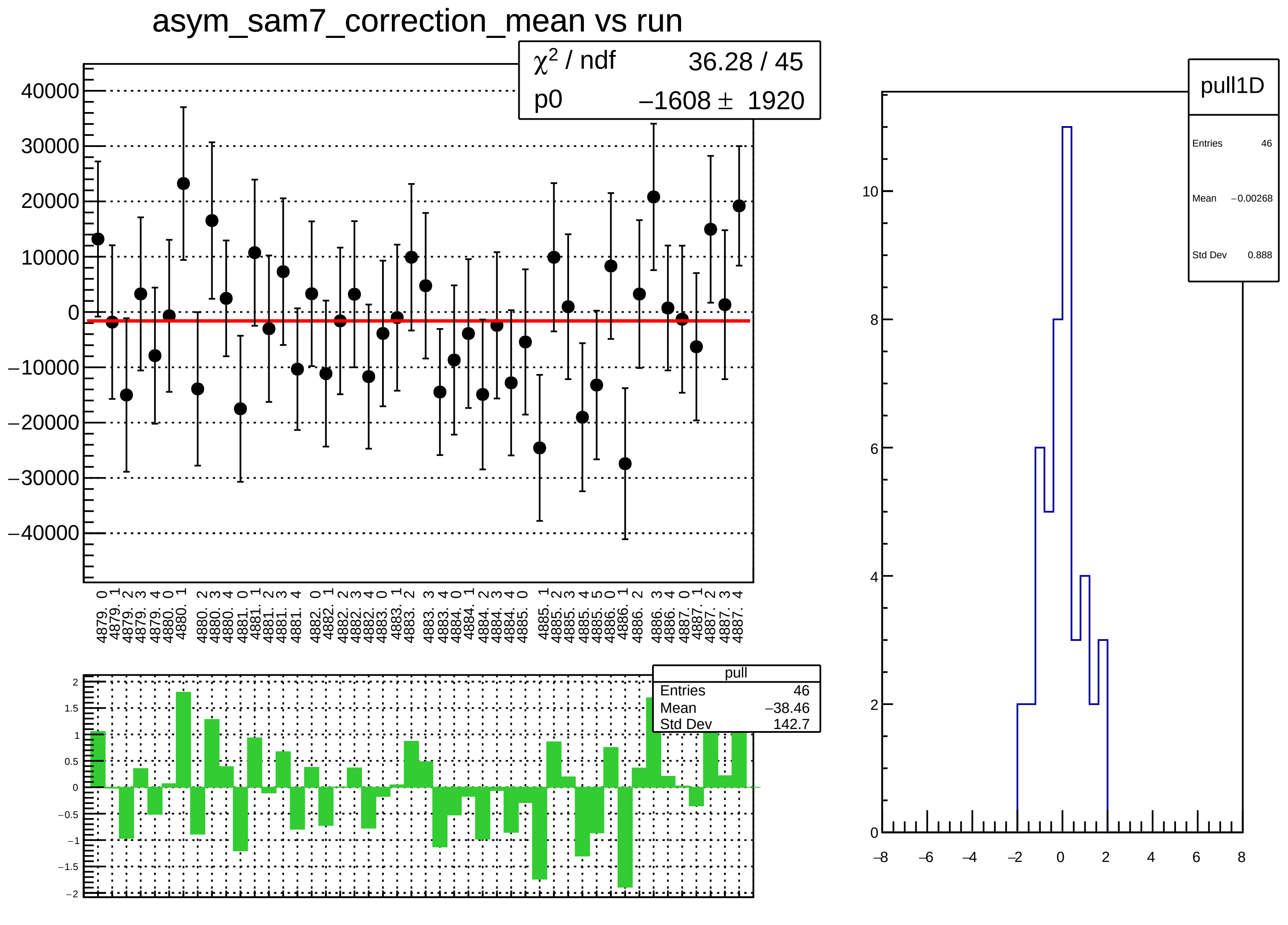
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

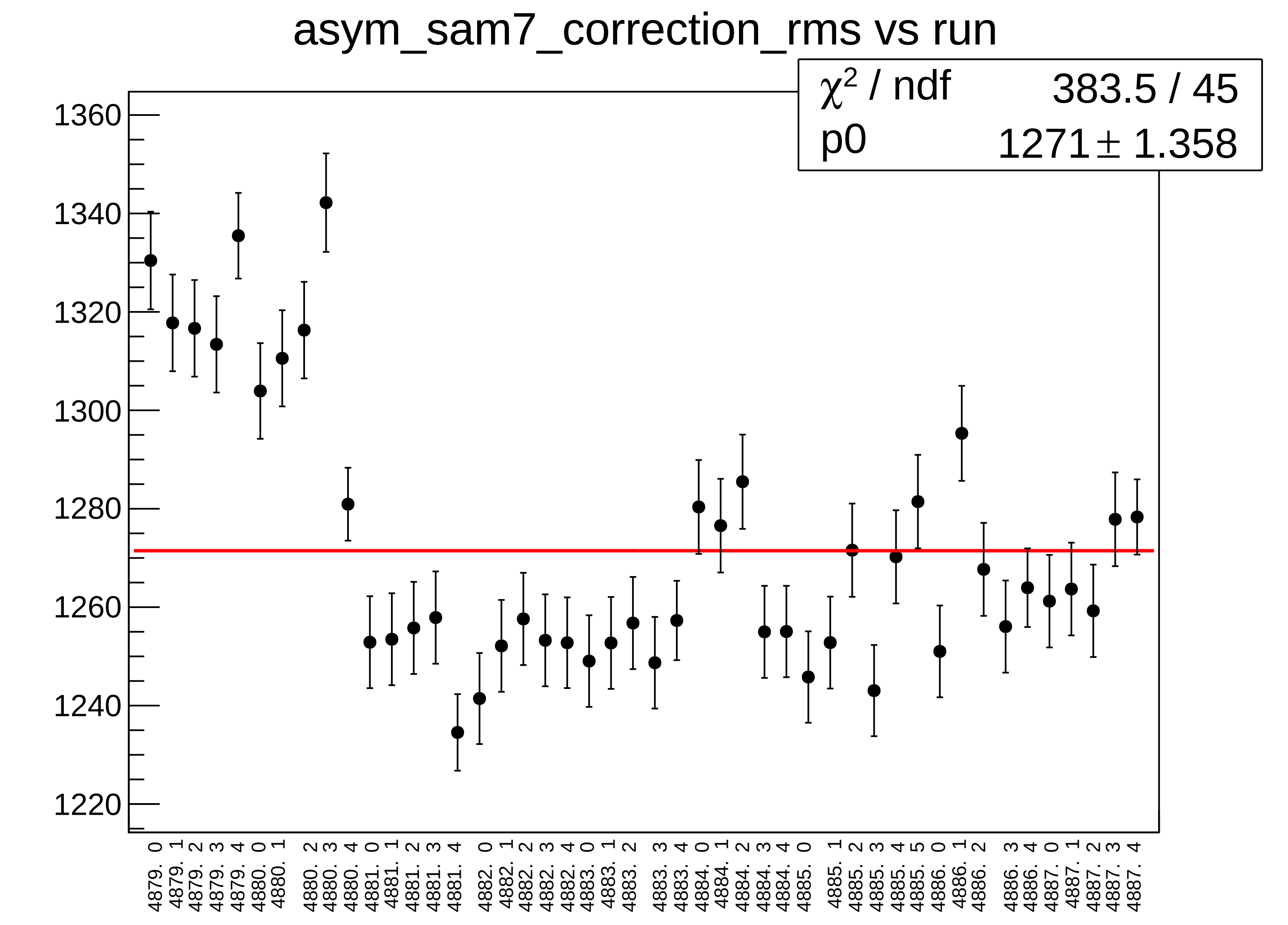


reg_asym_sam7_mean vs run
χ^2 / ndf 35.05 / 45
p0 689.8 ± 500.7
10000
5000
0
−5000
−10000
pull
Entries 46
Mean 52.29
Std Dev 71.71
pull1D
Entries 46
Mean −0.01354
Std Dev 0.8727



reg_asym_sam7_rms vs run
χ2 / ndf 4223 / 45
p0 330.7 ± 0.354
360
340
320
300
280
260
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_sam7_correction_mean vs run
χ^2 / ndf 36.28 / 45
p0 −1608 ± 1920
pull
Entries 46
Mean −38.46
Std Dev 142.7
pull1D
Entries 46
Mean −0.00268
Std Dev 0.888



asym_sam7_correction_rms vs run
χ^2 / ndf 383.5 / 45
p0 1271 ± 1.358
1360
1340
1320
1300
1280
1260
1240
1220
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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4883. 0
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4884. 0
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4884. 2
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4884. 4
4885. 0
4885. 1
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4885. 3
4885. 4
4885. 5
4886. 0
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4886. 2
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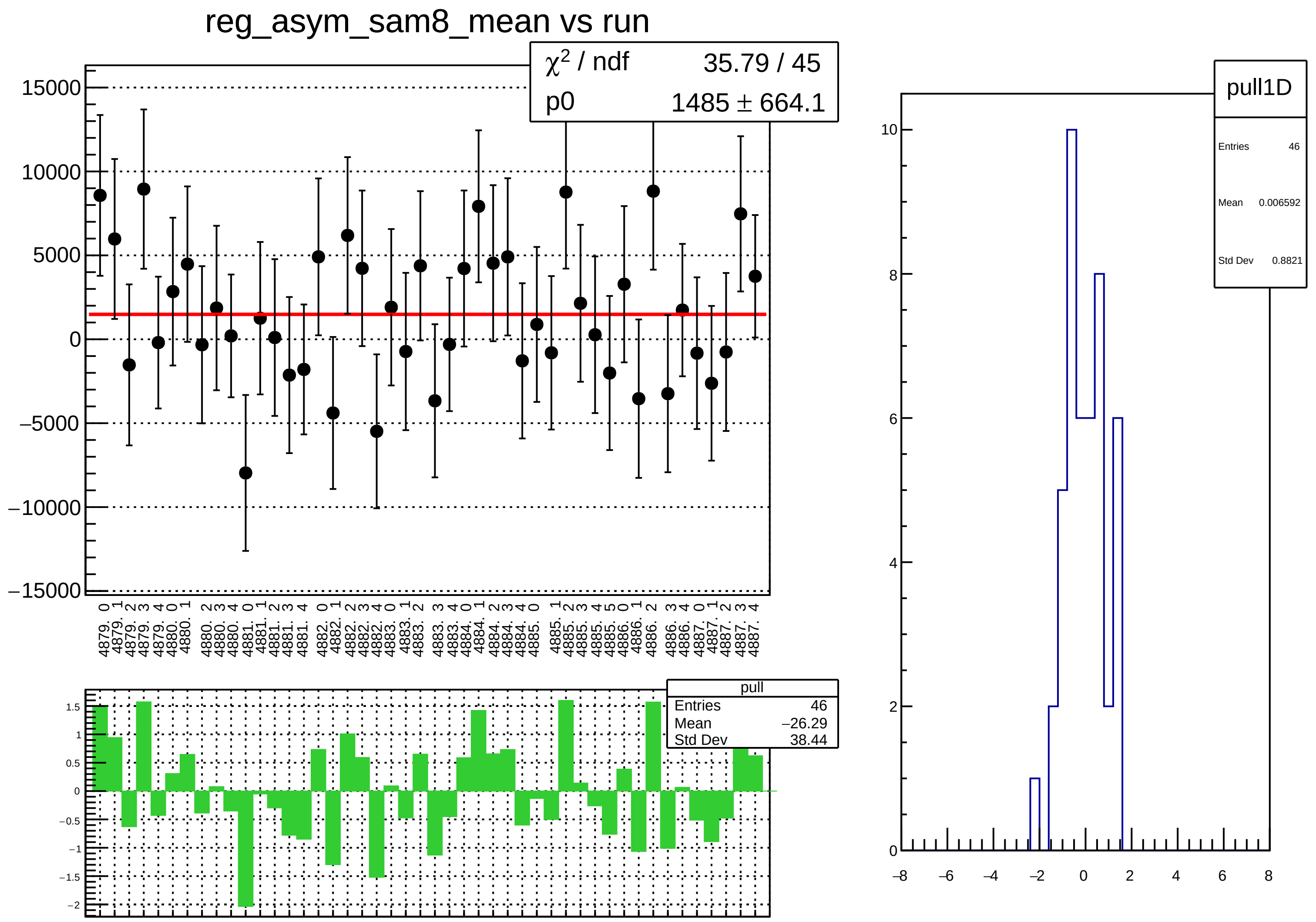
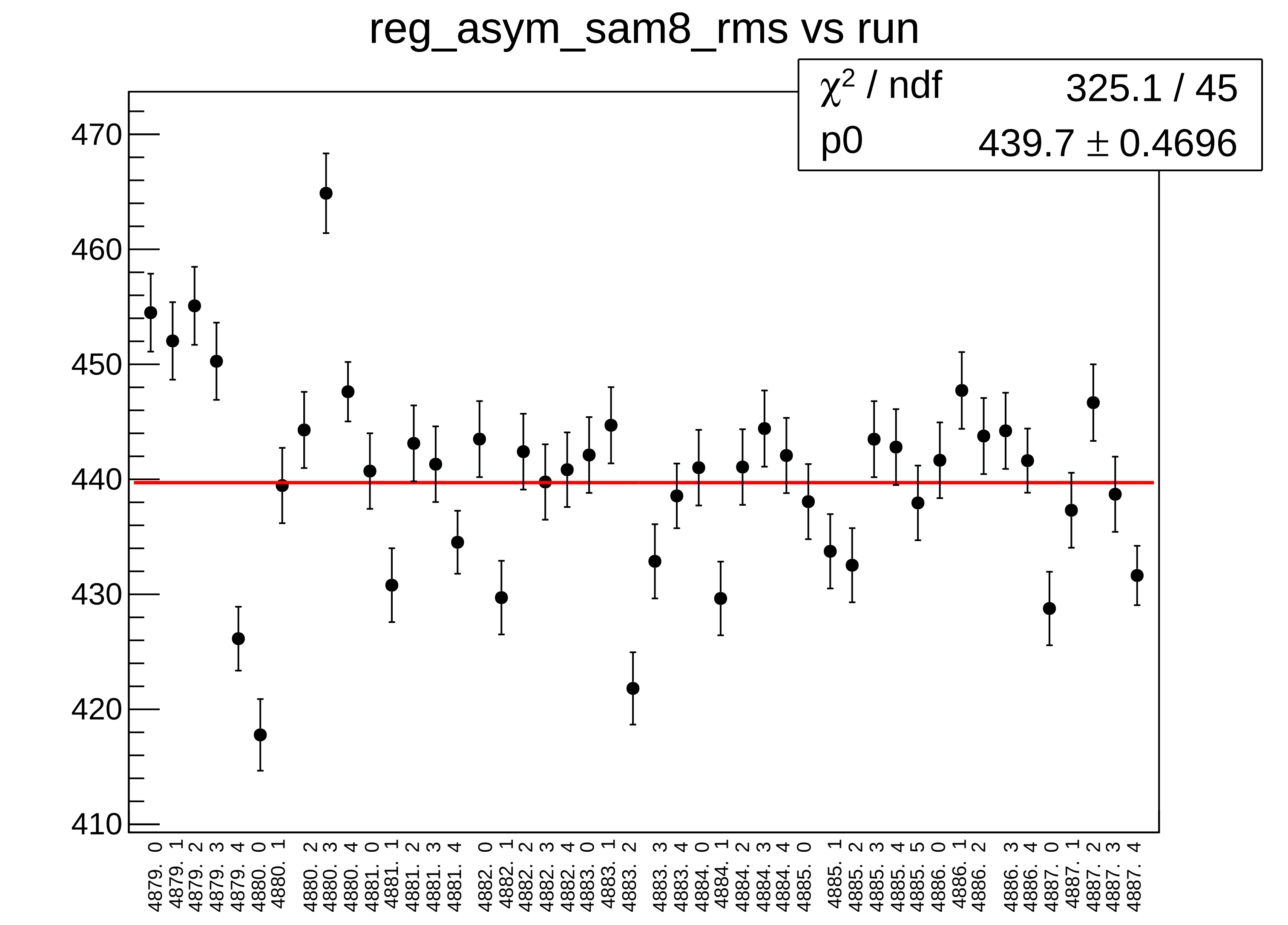
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam8_mean vs run
χ^2 / ndf 35.79 / 45
p0 1485 ± 664.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 46
Mean −26.29
Std Dev 38.44
pull1D
Entries 46
Mean 0.006592
Std Dev 0.8821



reg_asym_sam8_rms vs run
χ^2 / ndf 325.1 / 45
p0 439.7 ± 0.4696
470
460
450
440
430
420
410
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
4887. 0
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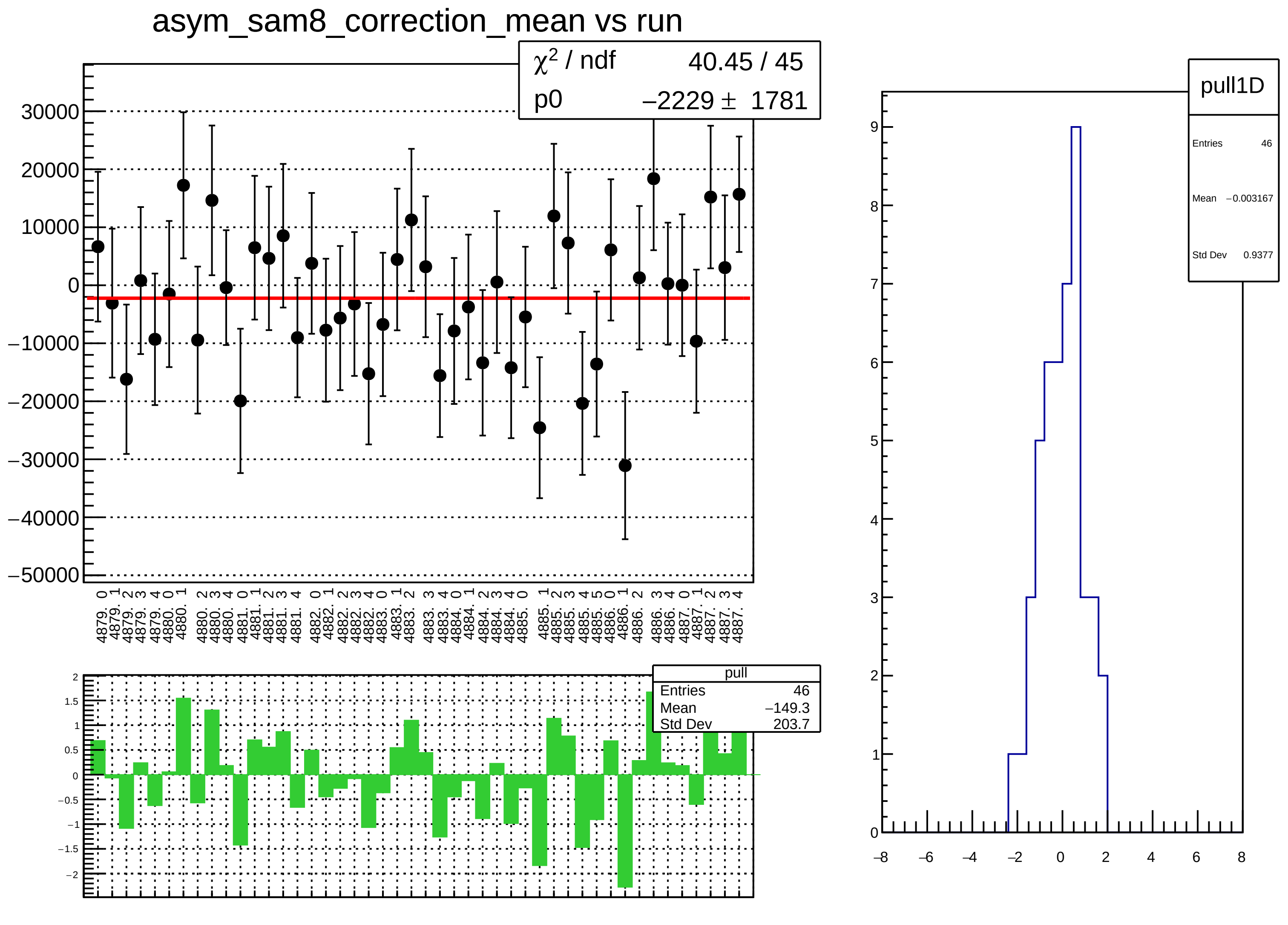
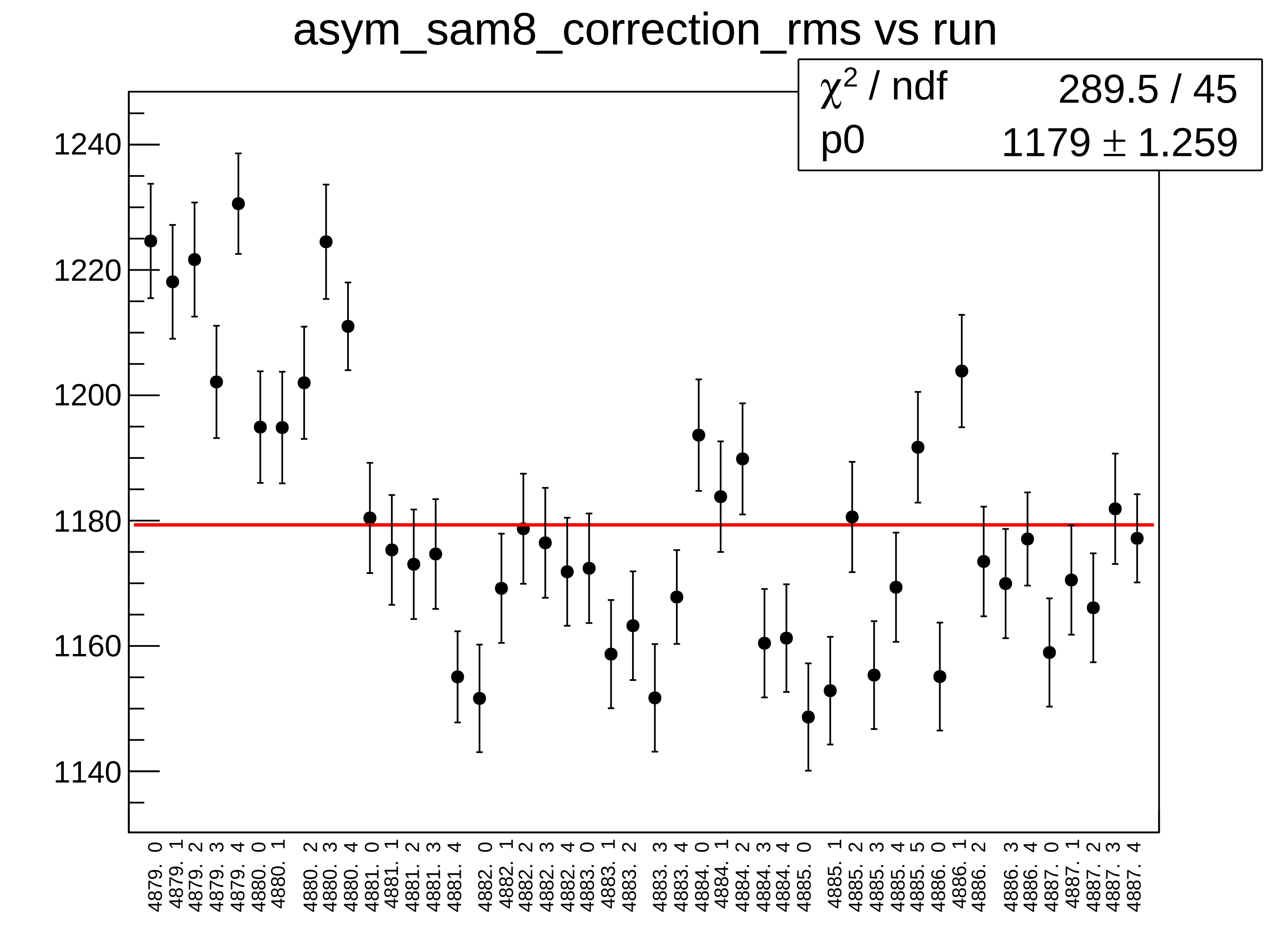
4887. 3
4887. 4



asym_sam8_correction_mean vs run
χ^2 / ndf 40.45 / 45
p0 −2229 ± 1781
pull
Entries 46
Mean −149.3
Std Dev 203.7
pull1D
Entries 46
Mean −0.003167
Std Dev 0.9377



asym_sam8_correction_rms vs run
χ^2 / ndf 289.5 / 45
p0 1179 ± 1.259
1240
1220
1200
1180
1160
1140
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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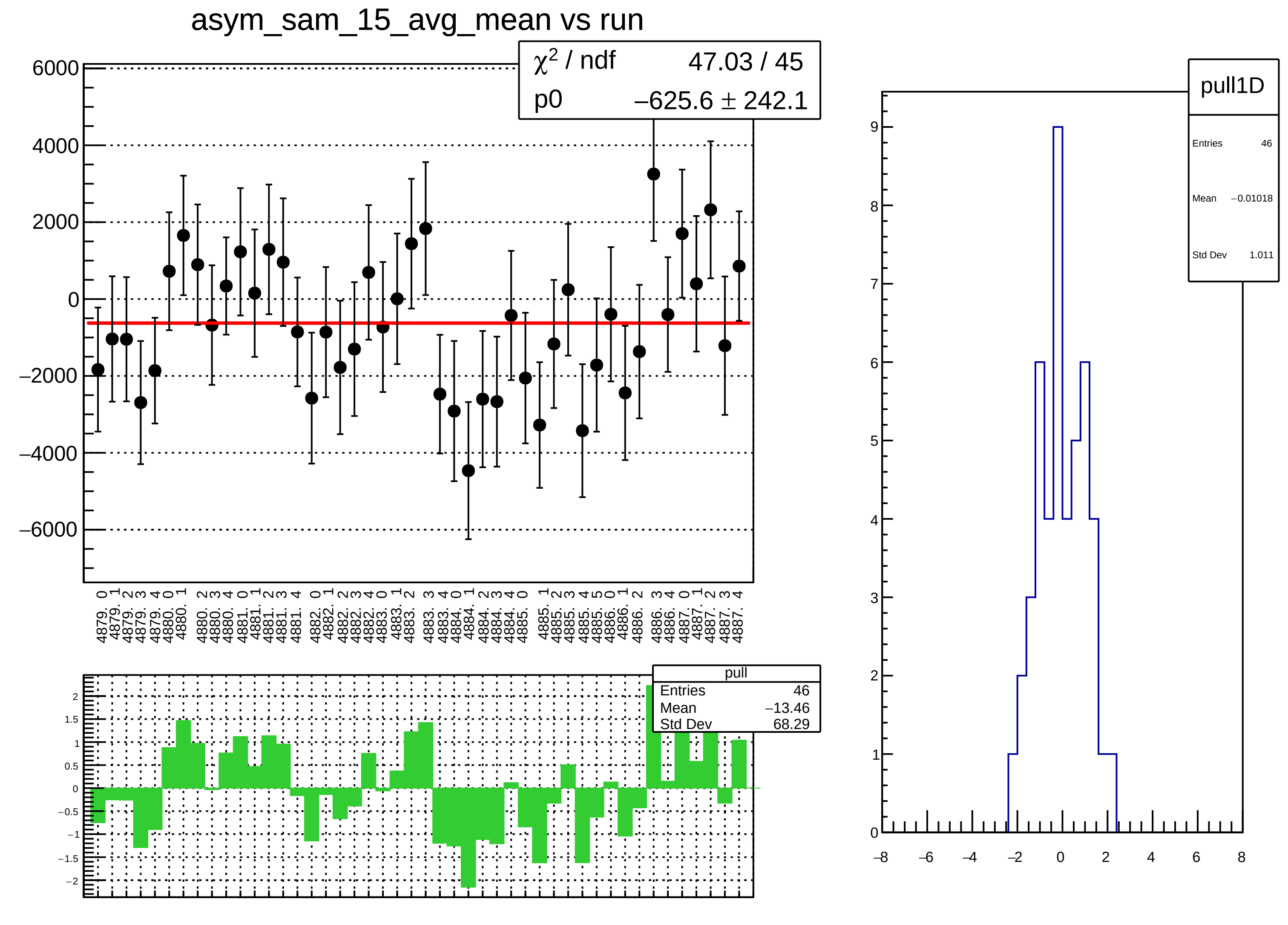
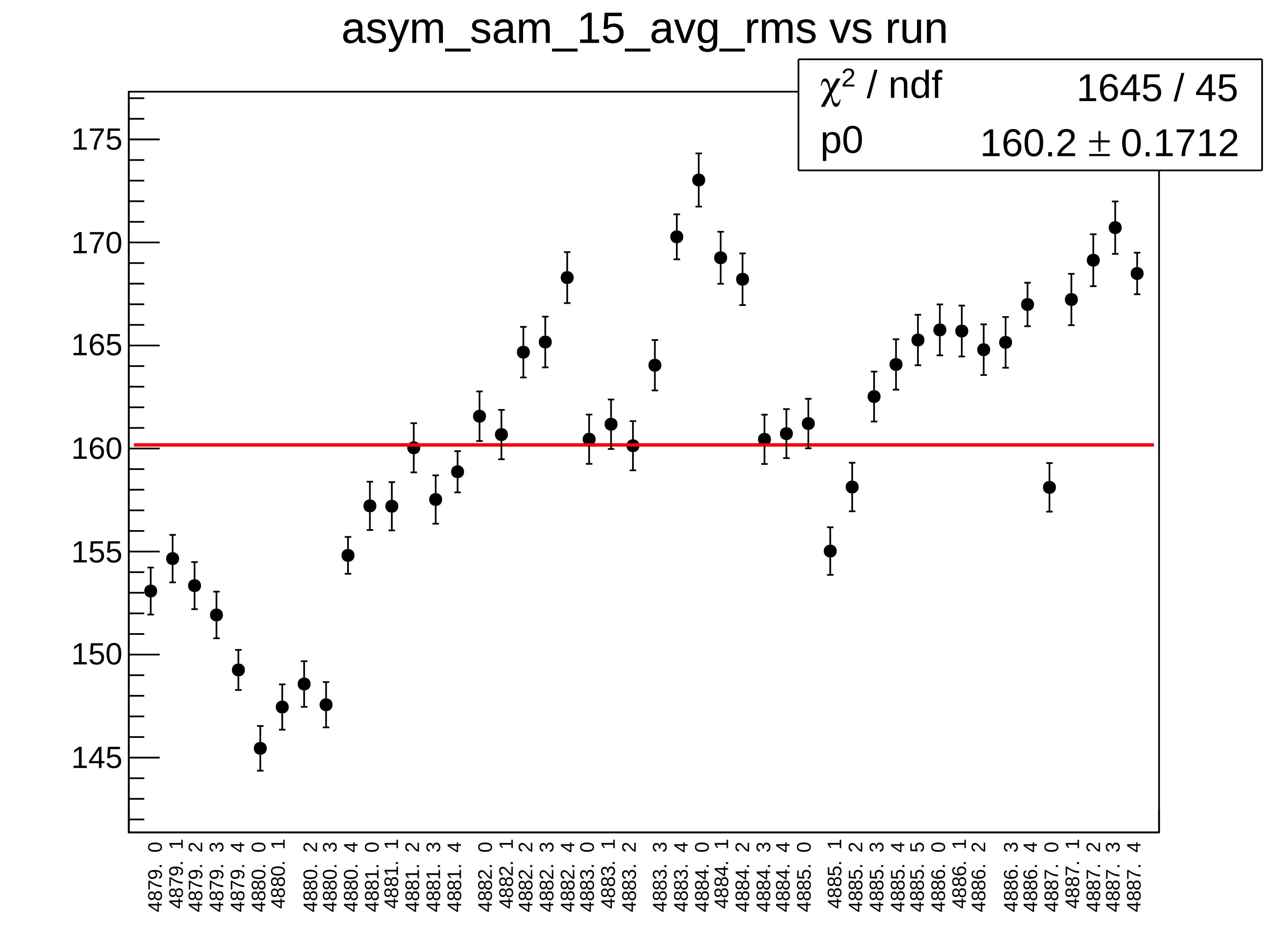
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_15_avg_mean vs run
χ2 / ndf 47.03 / 45
p0 −625.6 ± 242.1
pull1D
Entries 46
Mean −0.01018
Std Dev 1.011
pull
Entries 46
Mean −13.46
Std Dev 68.29


asym_sam_15_avg_rms vs run
χ^2 / ndf 1645 / 45
p0 160.2 ± 0.1712
175
170
165
160
155
150
145
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
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4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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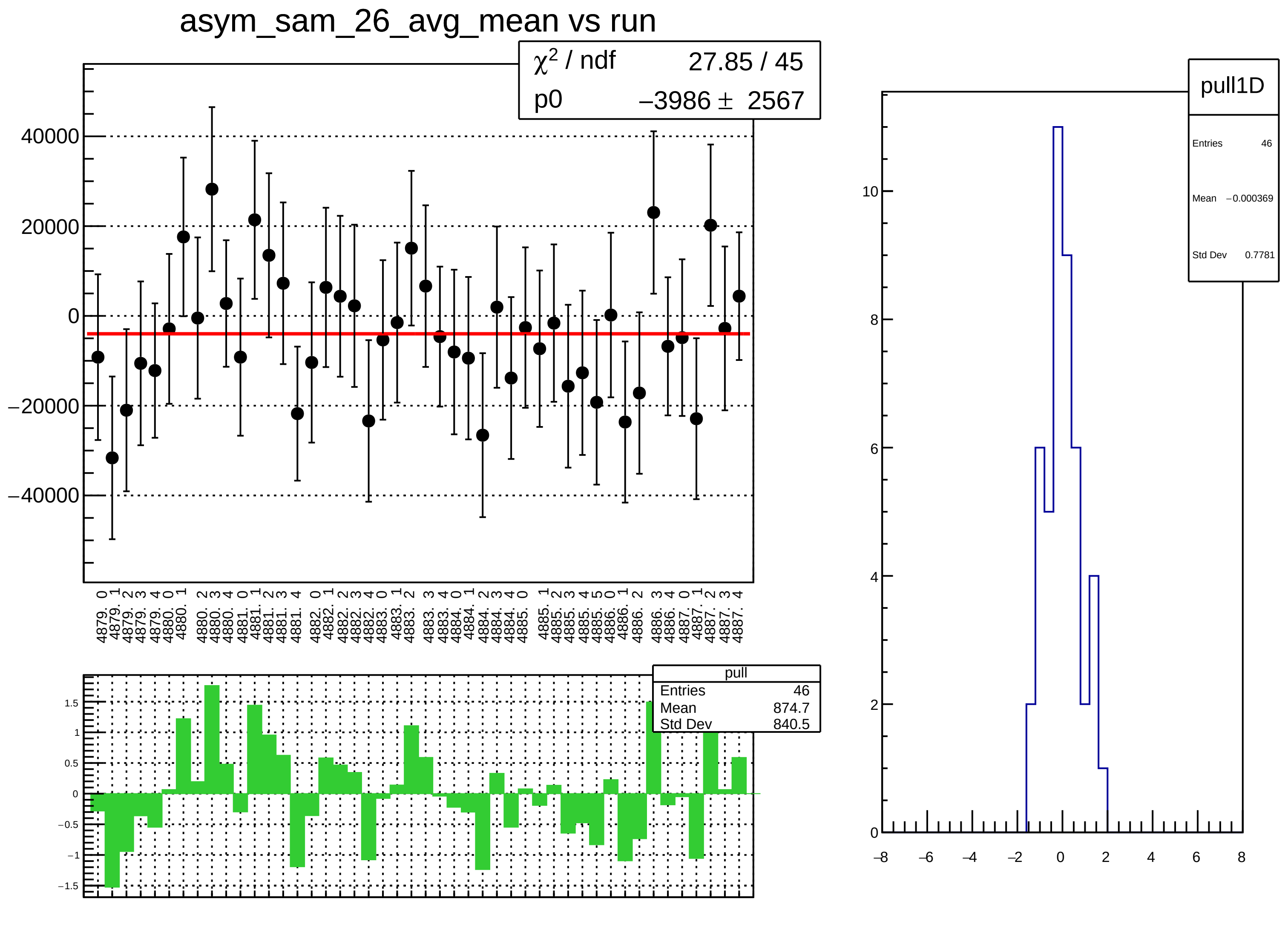
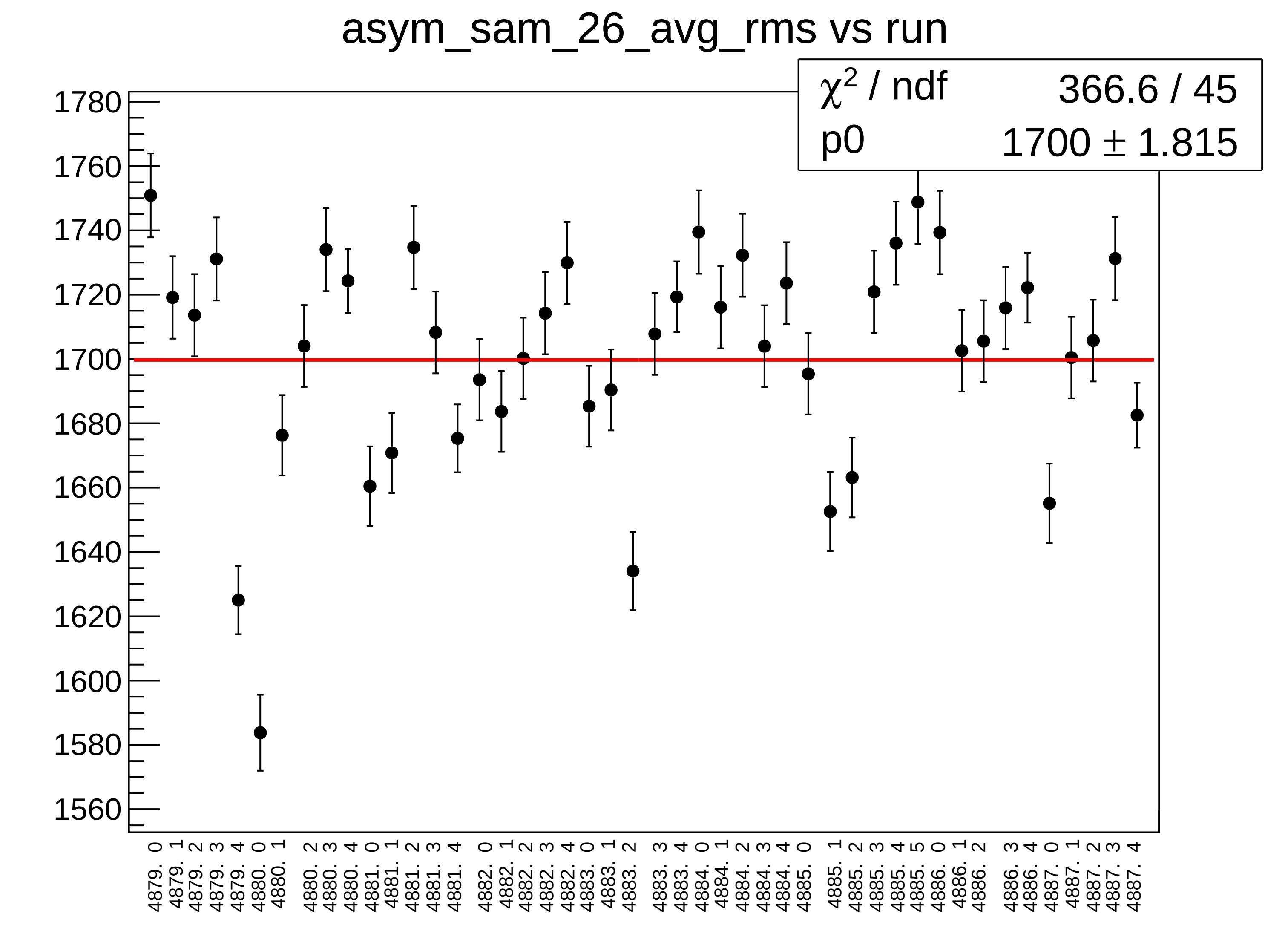
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_26_avg_mean vs run
χ^2 / ndf 27.85 / 45
p0 −3986 ± 2567
pull
Entries 46
Mean 874.7
Std Dev 840.5
pull1D
Entries 46
Mean −0.000369
Std Dev 0.7781



asym_sam_26_avg_rms vs run
χ^2 / ndf 366.6 / 45
p0 1700 ± 1.815
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
1580
1560
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
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4880. 2
4880. 3
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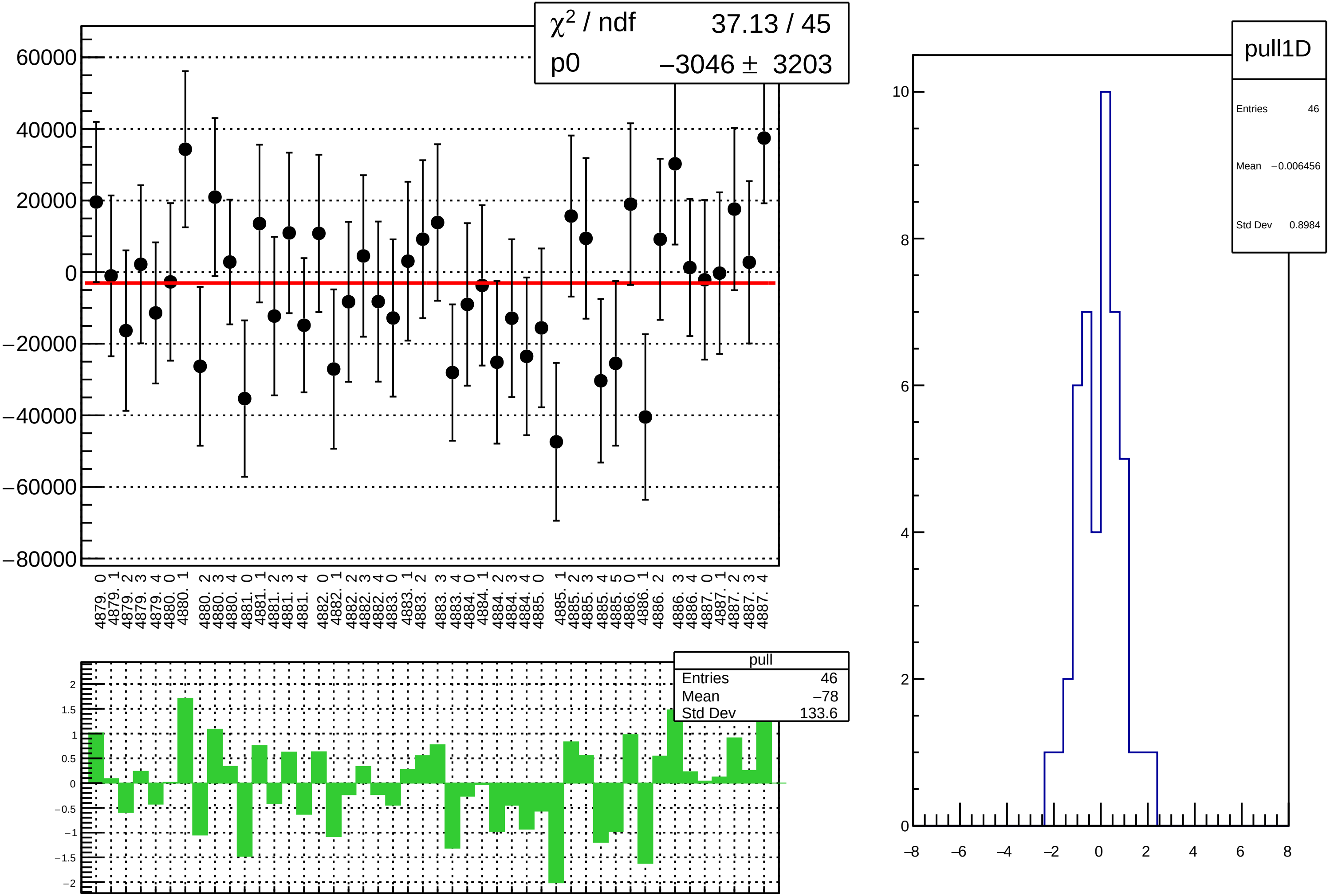
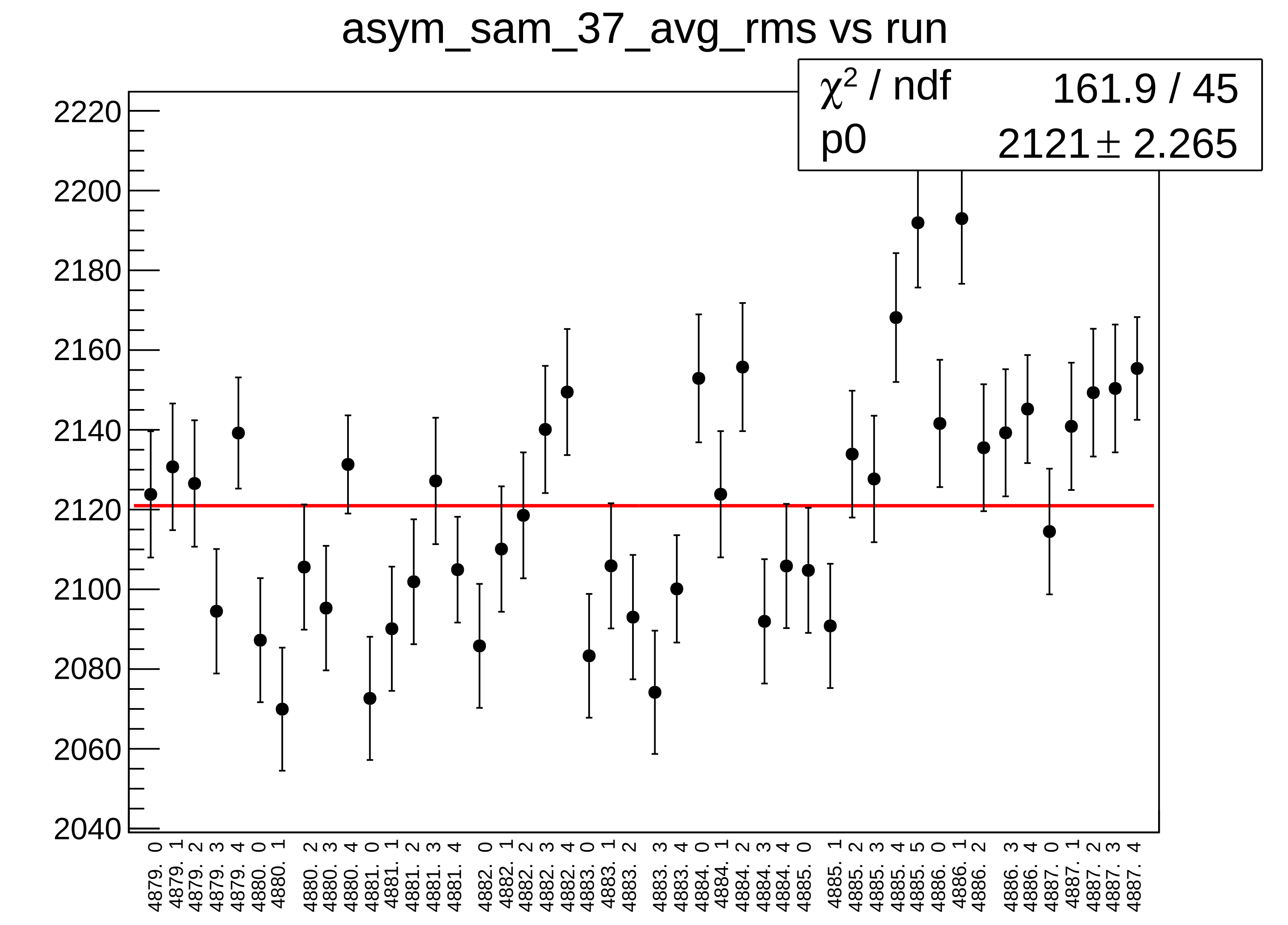
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_sam_37_avg_mean vs run





asym_sam_37_avg_rms vs run
χ^2 / ndf 161.9 / 45
p0 2121 ± 2.265
2220
2200
2180
2160
2140
2120
2100
2080
2060
2040
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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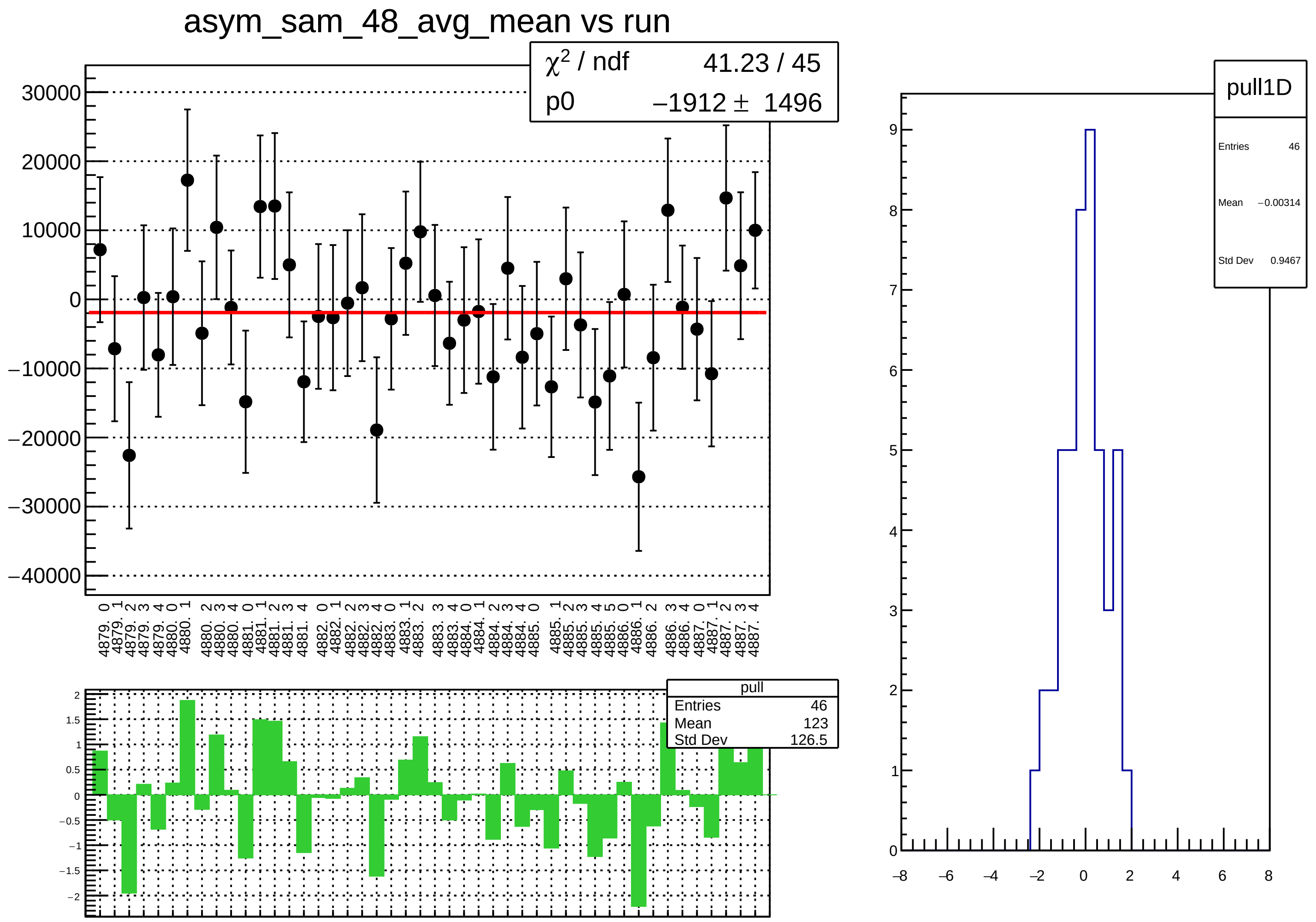
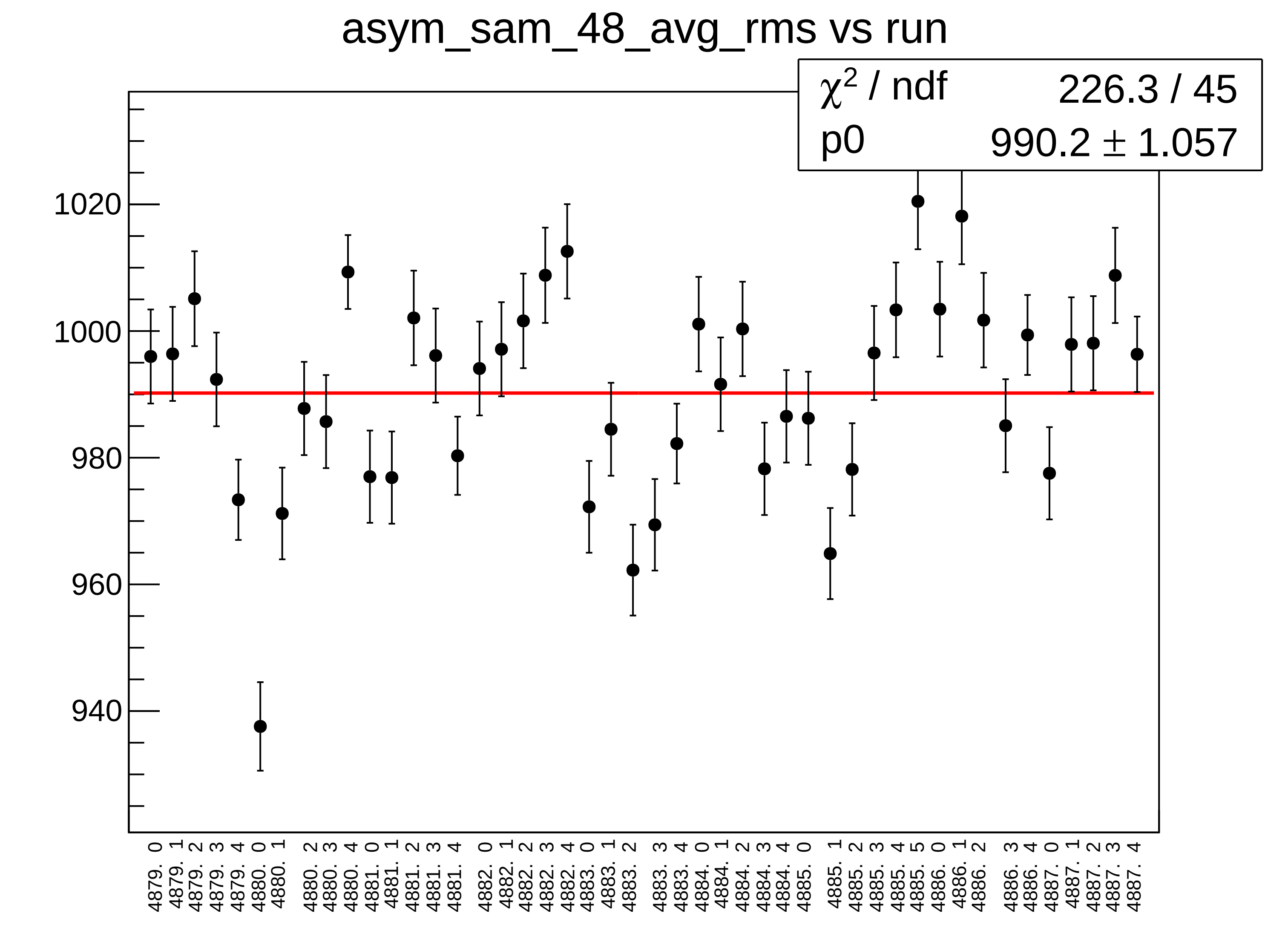
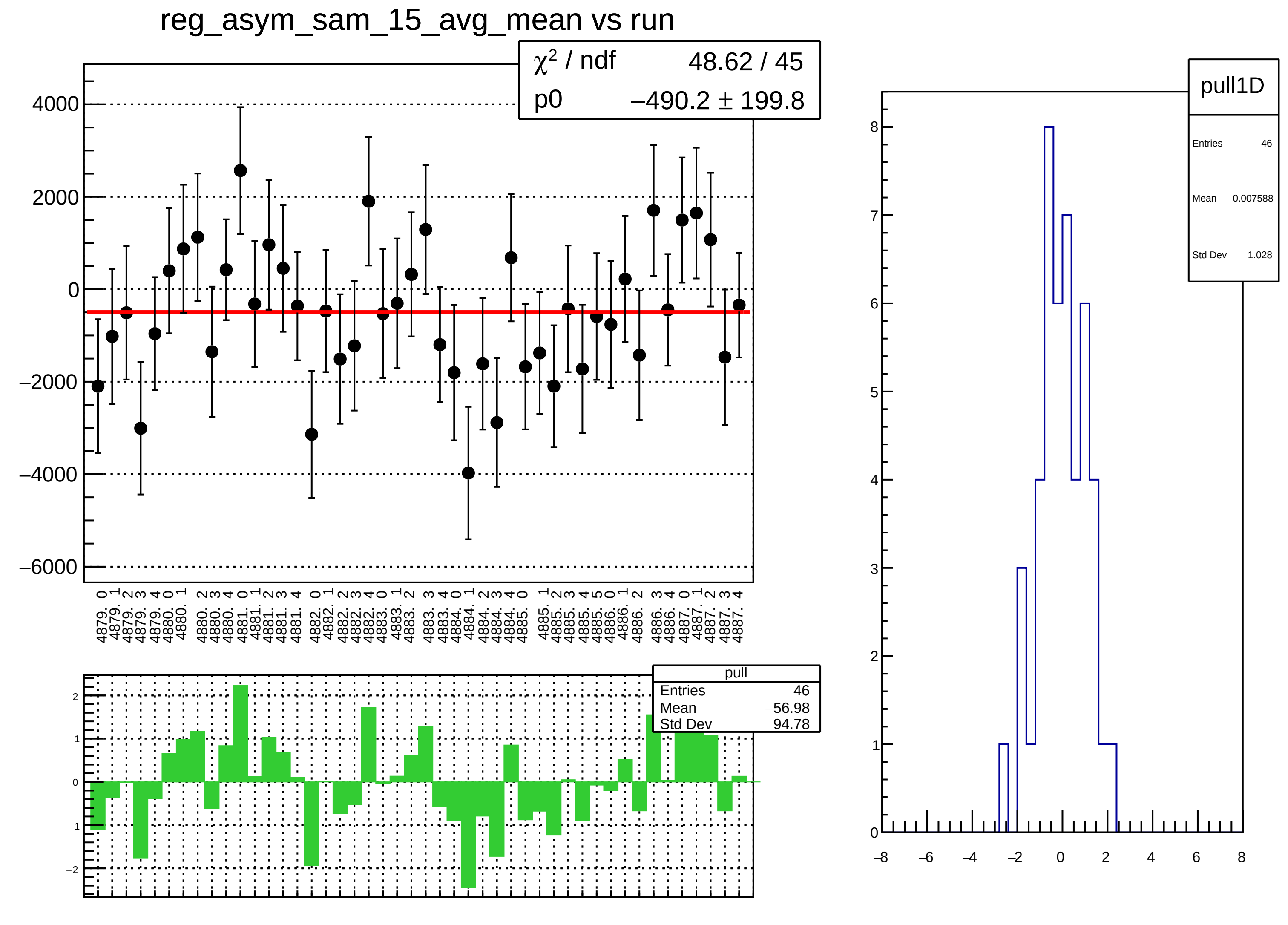
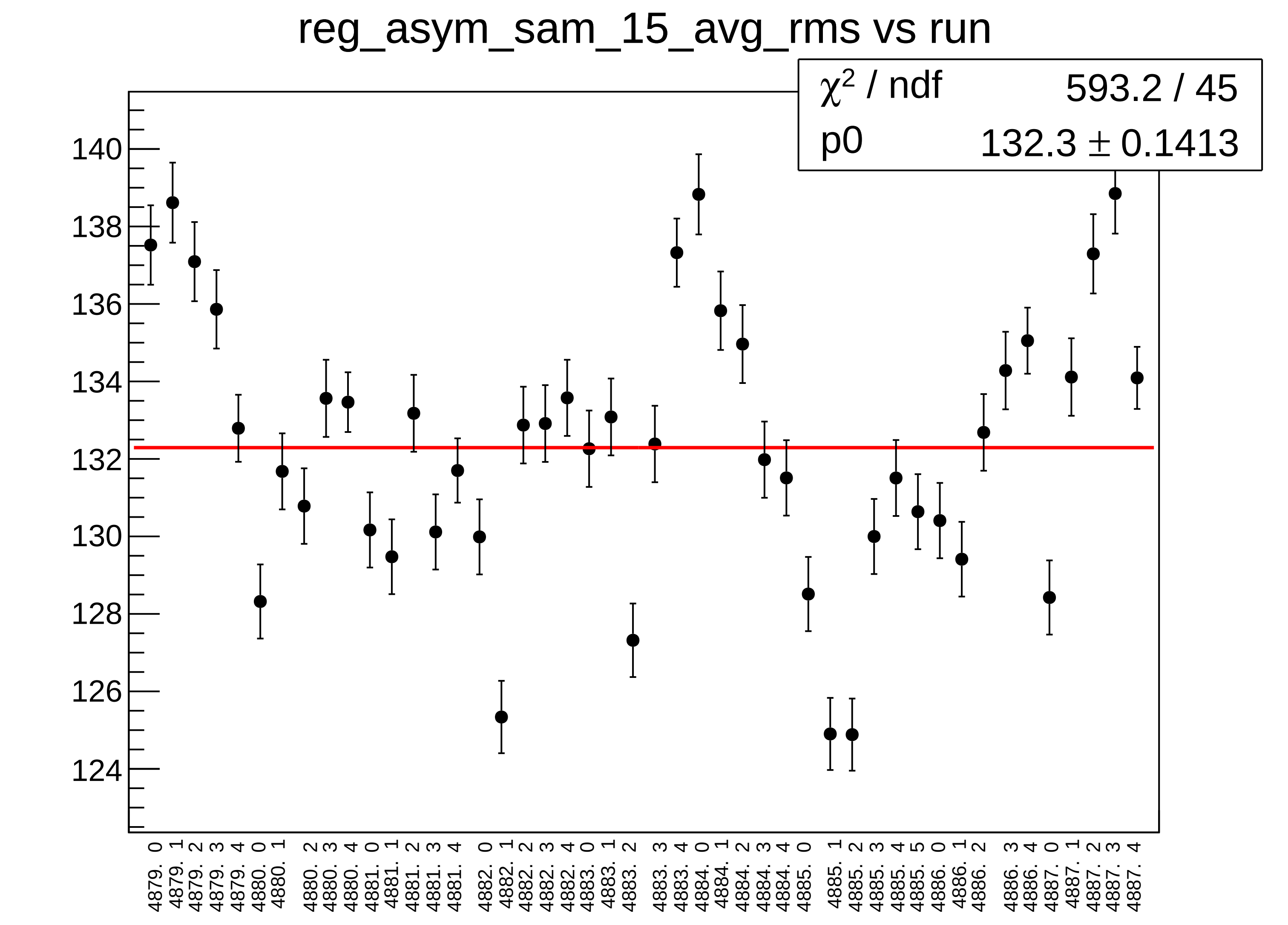
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

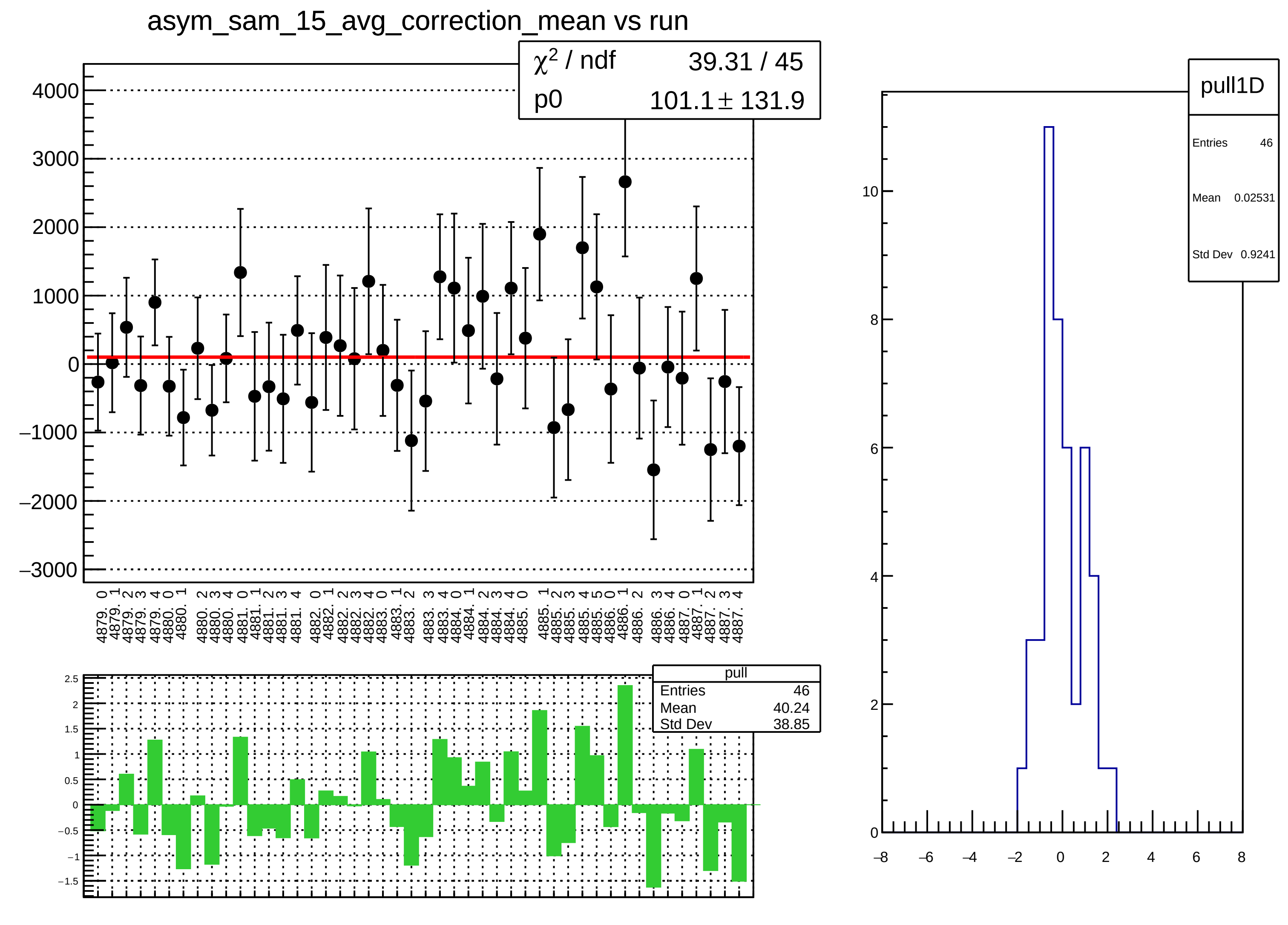

asym_sam_48_avg_mean vs run
χ^2 / ndf 41.23 / 45
p0 −1912 ± 1496
pull
Entries 46
Mean 123
Std Dev 126.5
pull1D
Entries 46
Mean −0.00314
Std Dev 0.9467

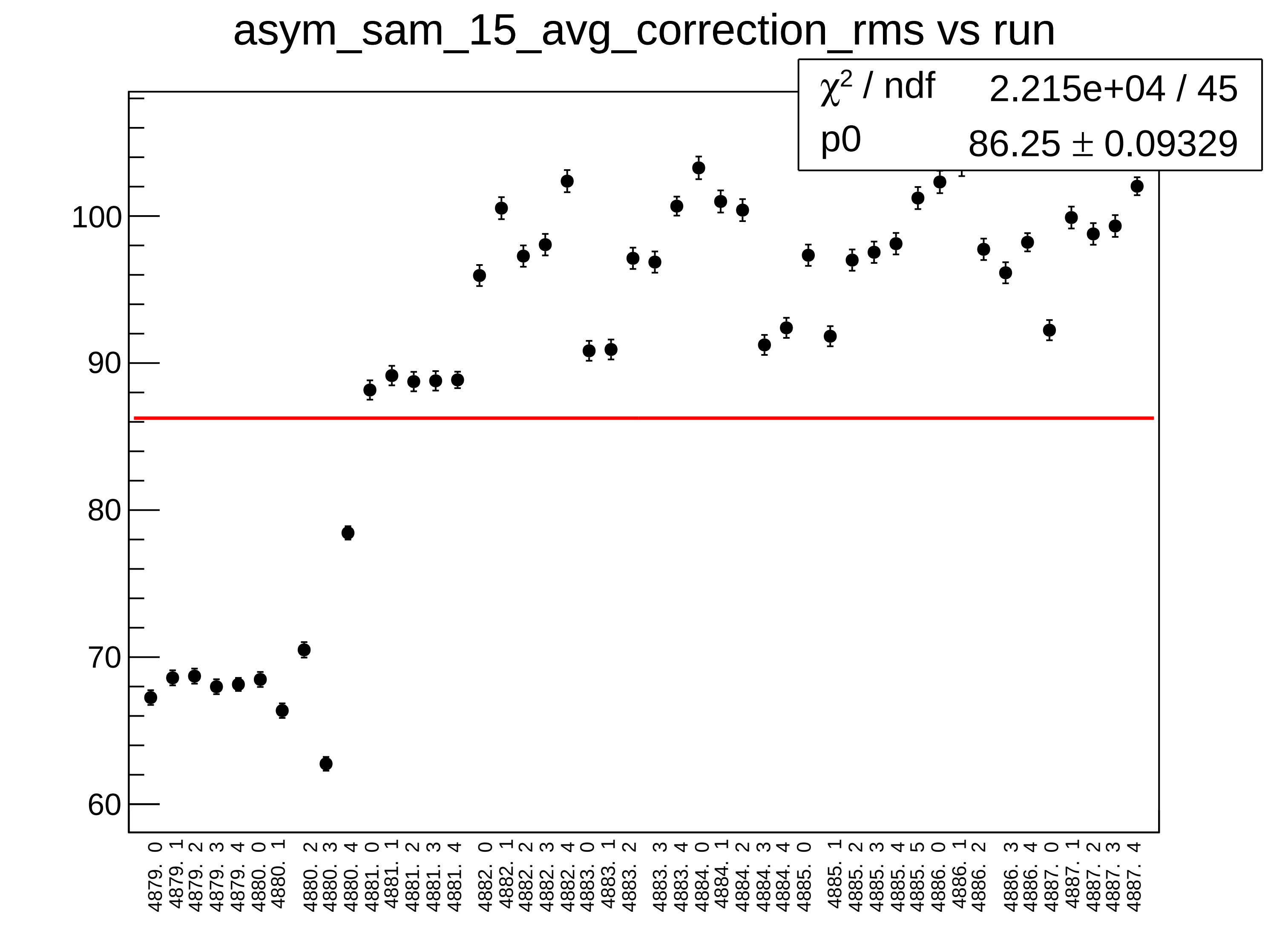

asym_sam_48_avg_rms vs run
χ^2 / ndf 226.3 / 45
p0 990.2 ± 1.057
1020
1000
980
960
940
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



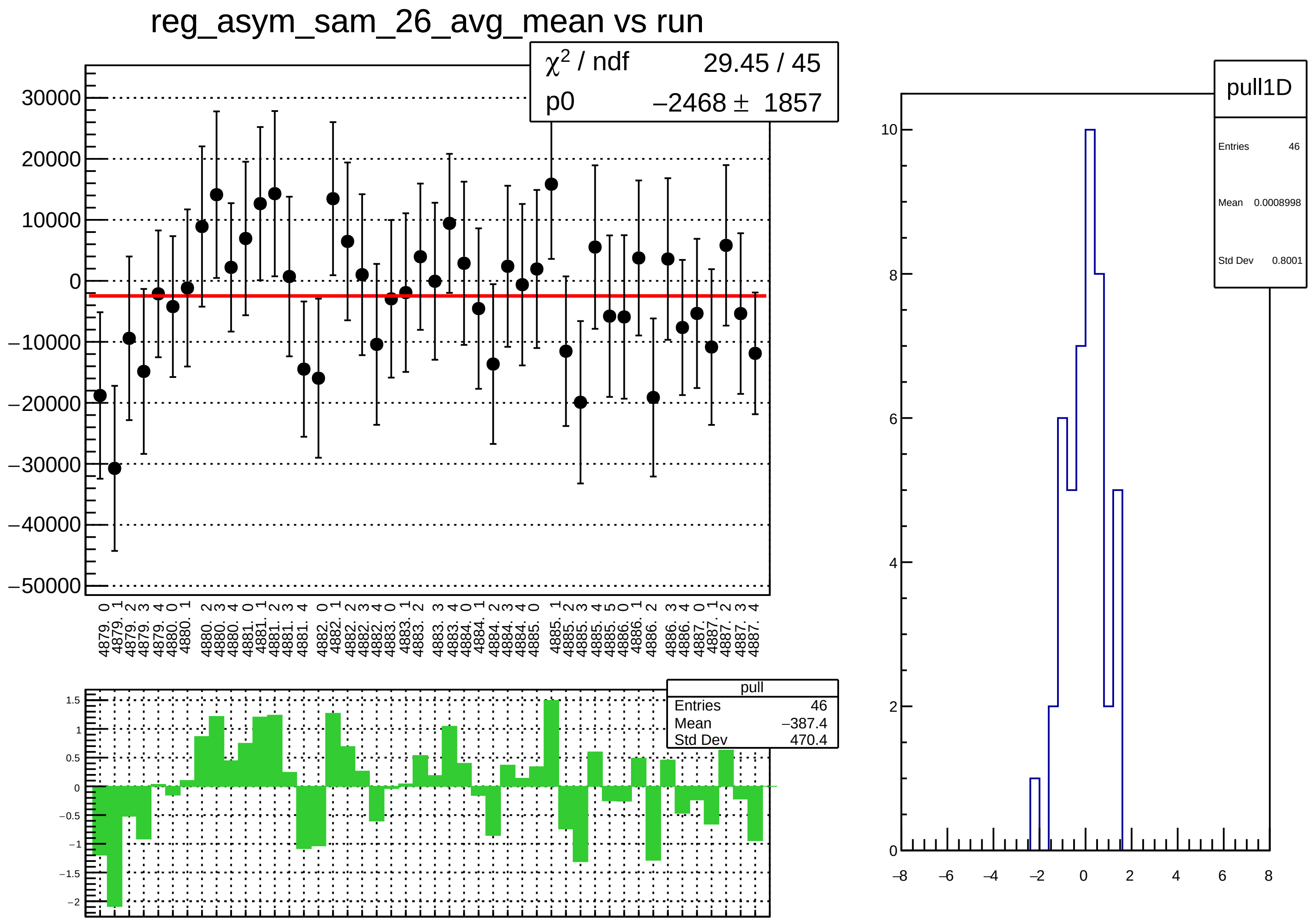
reg_asym_sam_15_avg_mean vs run
χ² / ndf 48.62 / 45
p0 −490.2 ± 199.8
pull
Entries 46
Mean −56.98
Std Dev 94.78
pull1D
Entries 46
Mean −0.007588
Std Dev 1.028


reg_asym_sam_15_avg_rms vs run
χ2 / ndf 593.2 / 45
p0 132.3 ± 0.1413
140
138
136
134
132
130
128
126
124
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4

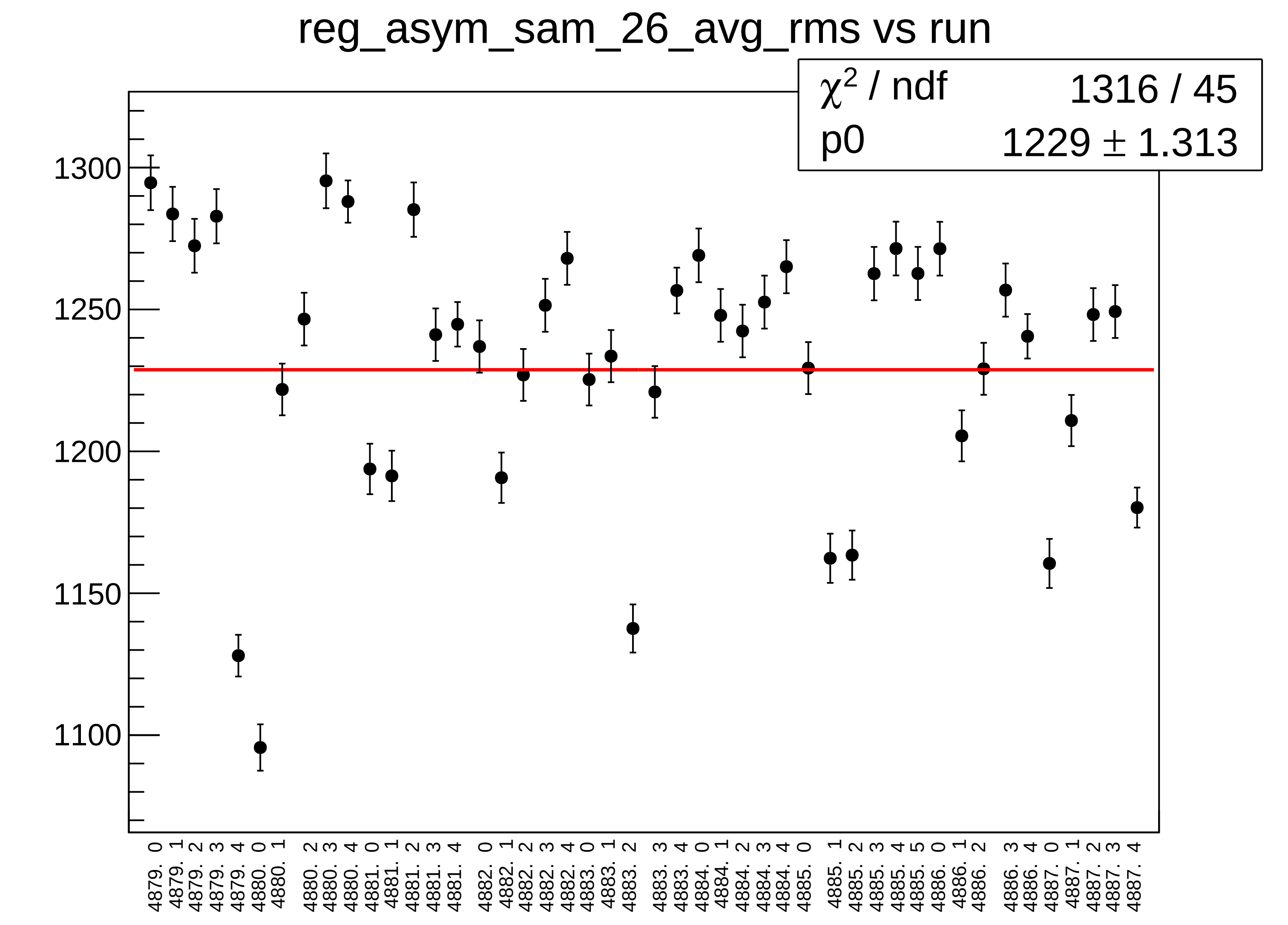

asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 39.31 / 45
p0 101.1 ± 131.9
pull
Entries 46
Mean 40.24
Std Dev 38.85
pull1D
Entries 46
Mean 0.02531
Std Dev 0.9241



asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 2.215e+04 / 45
p0 86.25 ± 0.09329
100
90
80
70
60



reg_asym_sam_26_avg_mean vs run
χ^2 / ndf 29.45 / 45
p0 −2468 ± 1857
pull
Entries 46
Mean −387.4
Std Dev 470.4
pull1D
Entries 46
Mean 0.0008998
Std Dev 0.8001



reg_asym_sam_26_avg_rms vs run
χ2 / ndf 1316 / 45
p0 1229 ± 1.313
1300
1250
1200
1150
1100
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
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4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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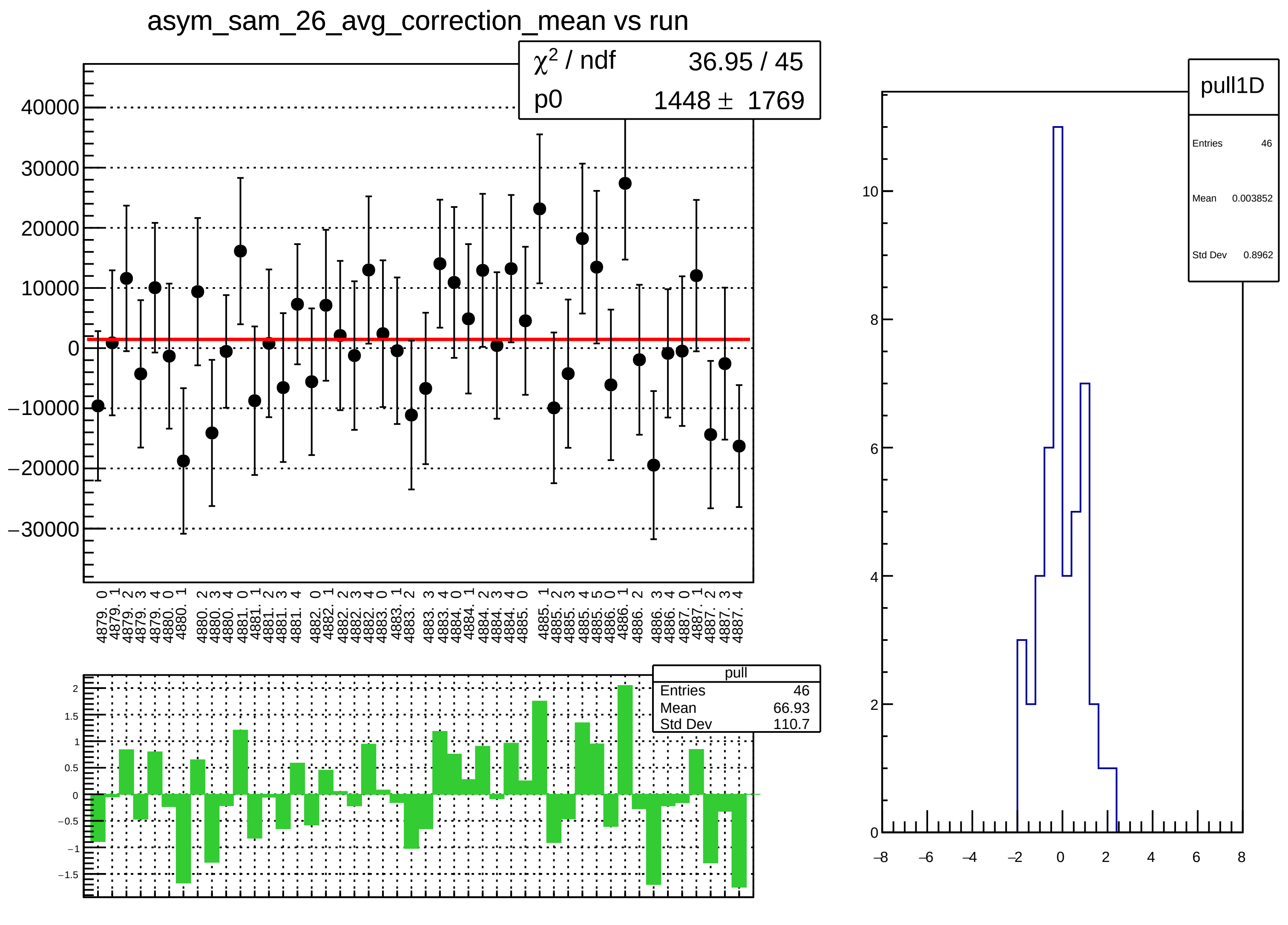
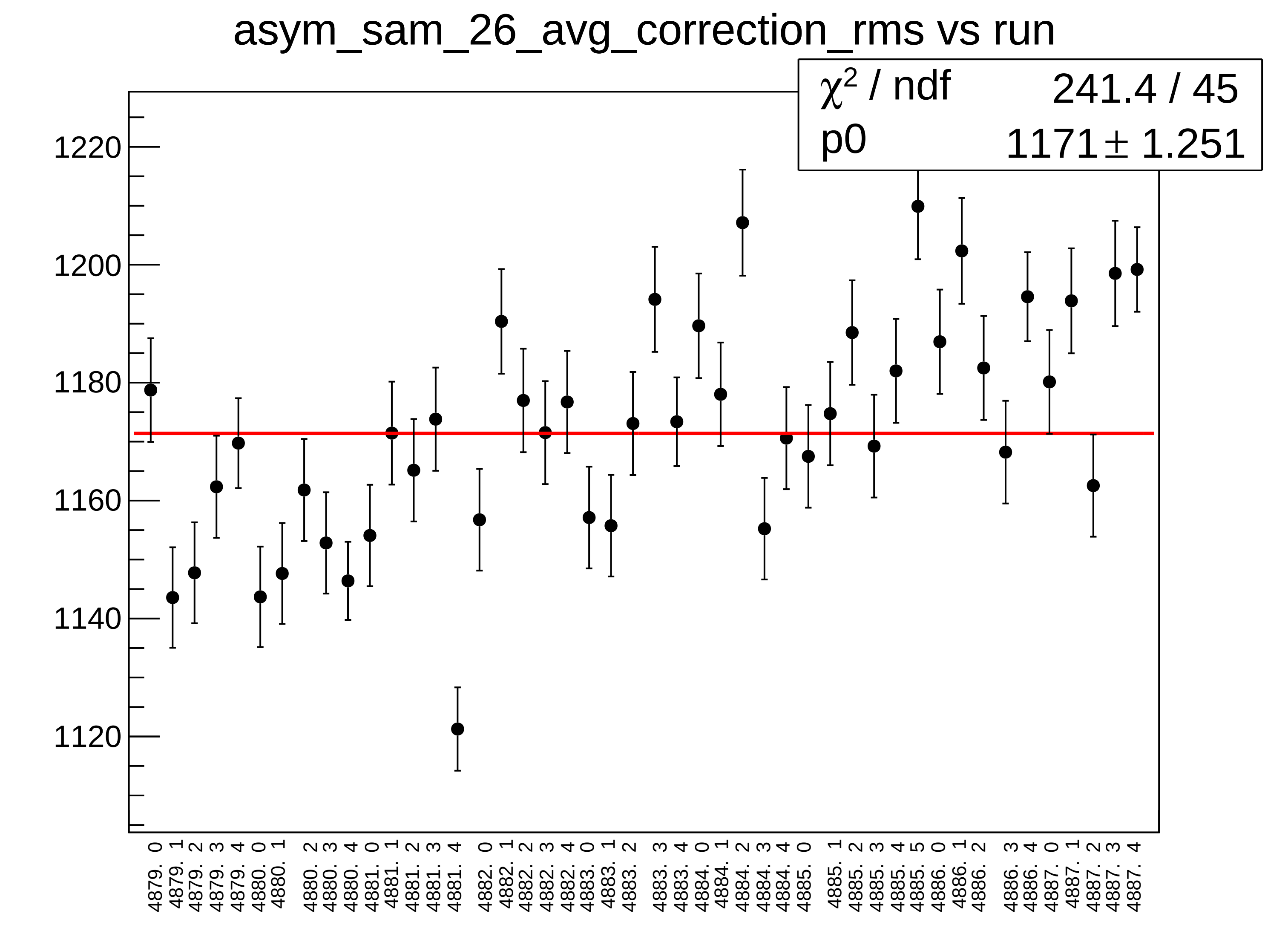
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 36.95 / 45
p0 1448 ± 1769
pull
Entries 46
Mean 66.93
Std Dev 110.7
pull1D
Entries 46
Mean 0.003852
Std Dev 0.8962



asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 241.4 / 45
p0 1171 ± 1.251
1220
1200
1180
1160
1140
1120
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
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4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
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4885. 1
4885. 2
4885. 3
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4885. 5
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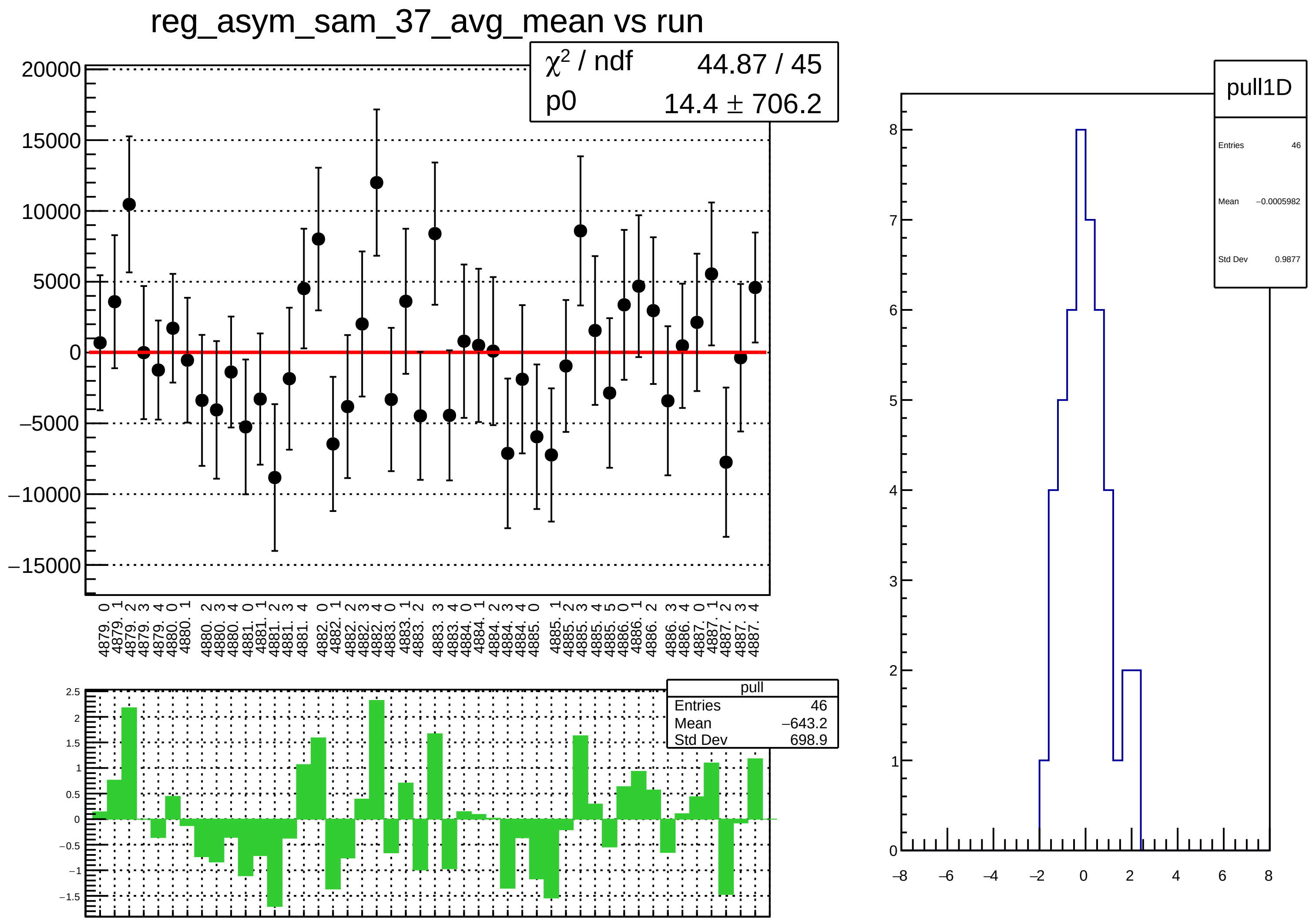
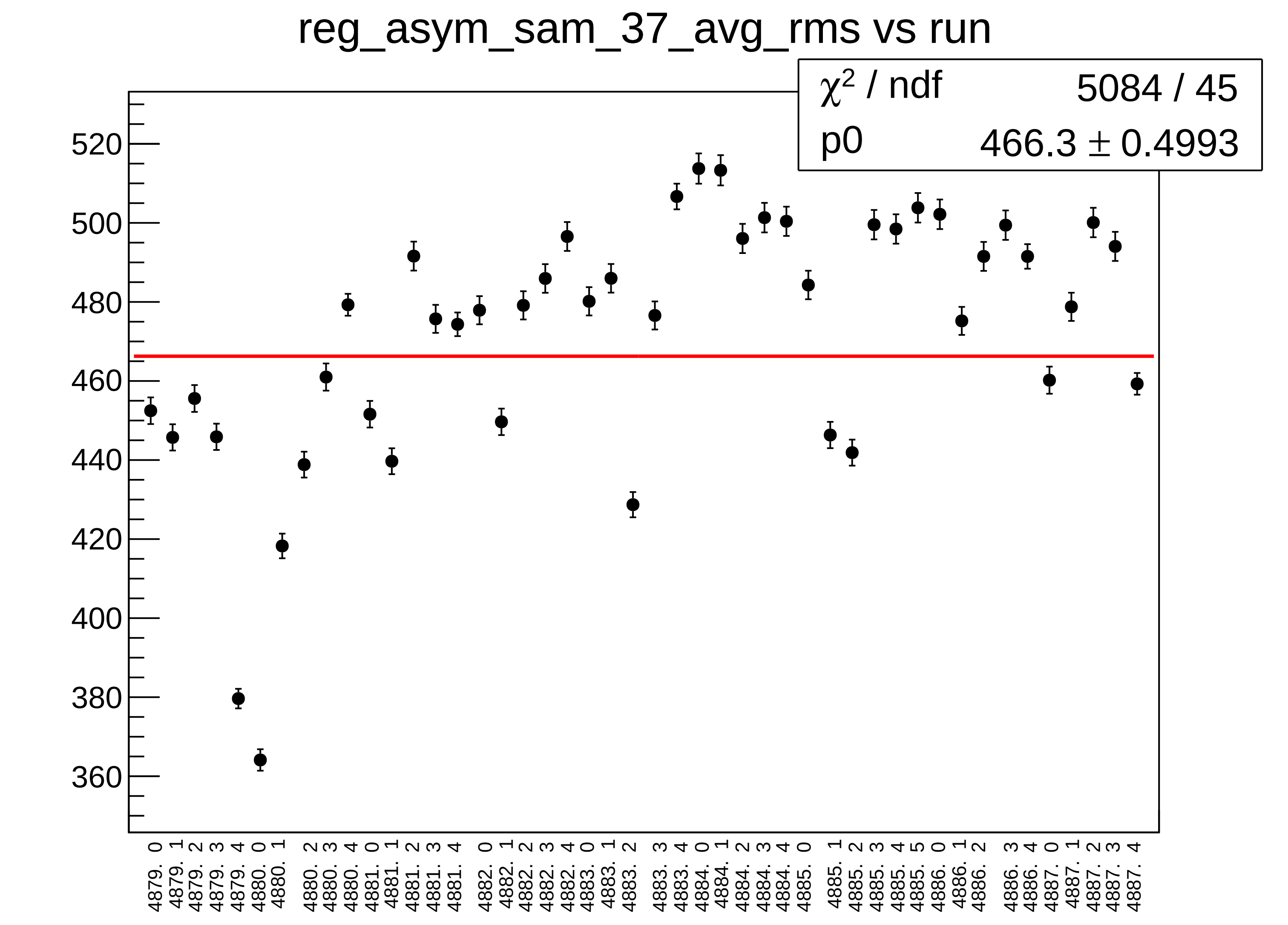
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_37_avg_mean vs run
χ^2 / ndf 44.87 / 45
p0 14.4 ± 706.2
pull
Entries 46
Mean −643.2
Std Dev 698.9
pull1D
Entries 46
Mean −0.0005982
Std Dev 0.9877



reg_asym_sam_37_avg_rms vs run
χ^2 / ndf 5084 / 45
p0 466.3 ± 0.4993
520
500
480
460
440
420
400
380
360
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
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4884. 0
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4884. 2
4884. 3
4884. 4
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4885. 1
4885. 2
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4885. 4
4885. 5
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4887. 0
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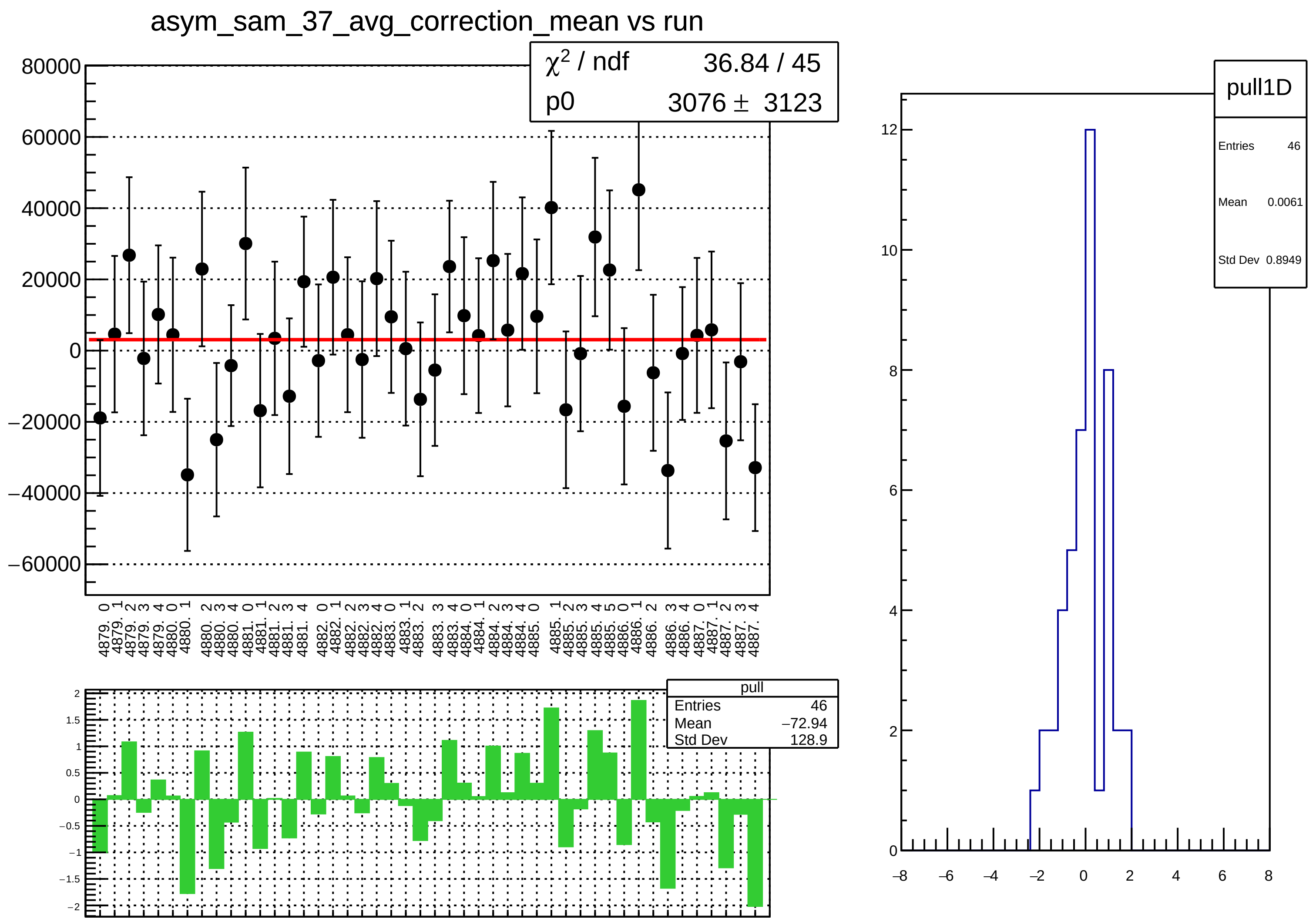
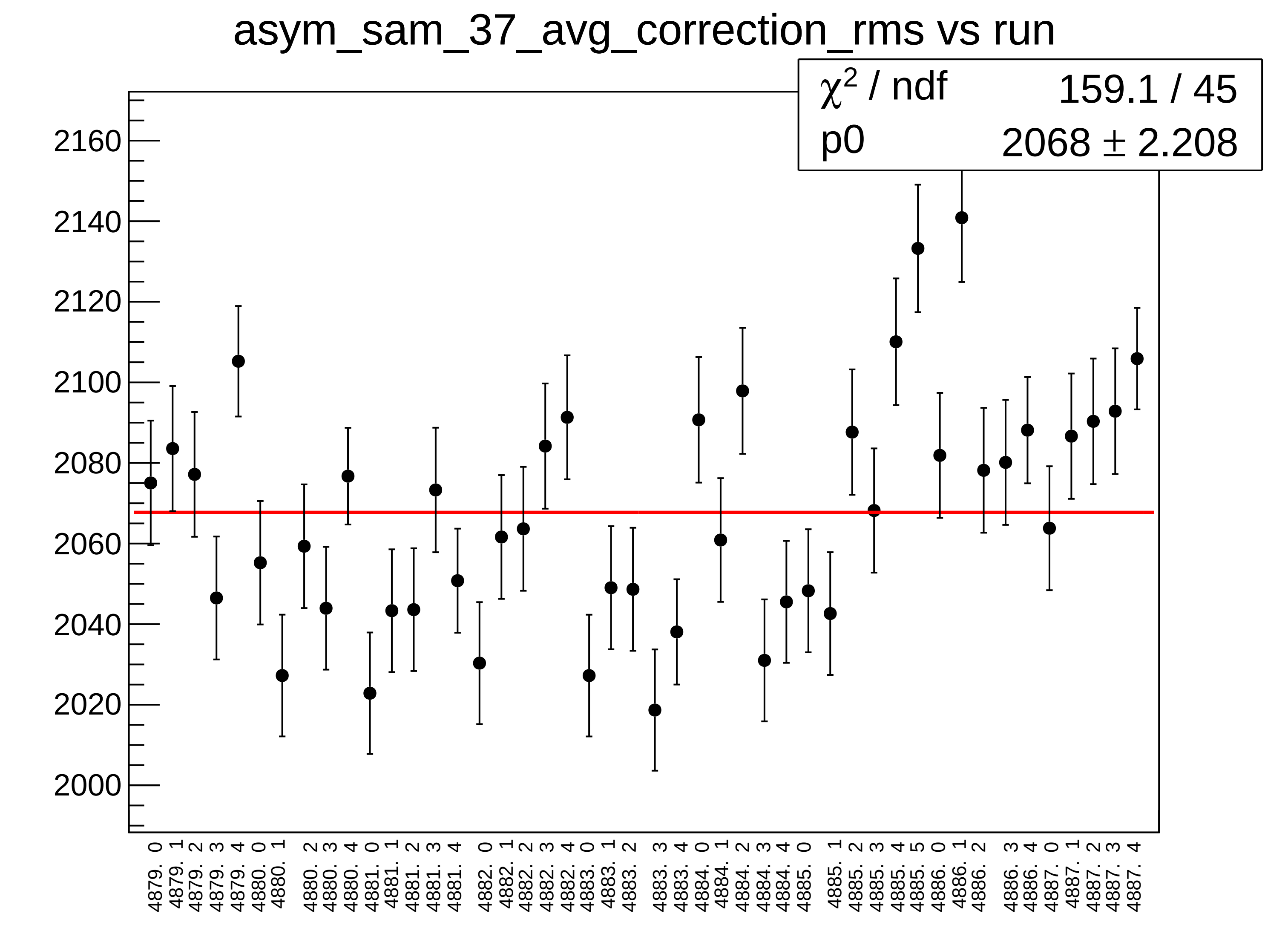
4887. 2
4887. 3
4887. 4



asym_sam_37_avg_correction_mean vs run
χ2 / ndf 36.84 / 45
p0 3076 ± 3123
pull
Entries 46
Mean −72.94
Std Dev 128.9
pull1D
Entries 46
Mean 0.0061
Std Dev 0.8949



asym_sam_37_avg_correction_rms vs run
χ2 / ndf 159.1 / 45
p0 2068 ± 2.208
2160
2140
2120
2100
2080
2060
2040
2020
2000
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
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4882. 3
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4883. 1
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4884. 0
4884. 1
4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
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4885. 5
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4886. 2
4886. 3
4886. 4
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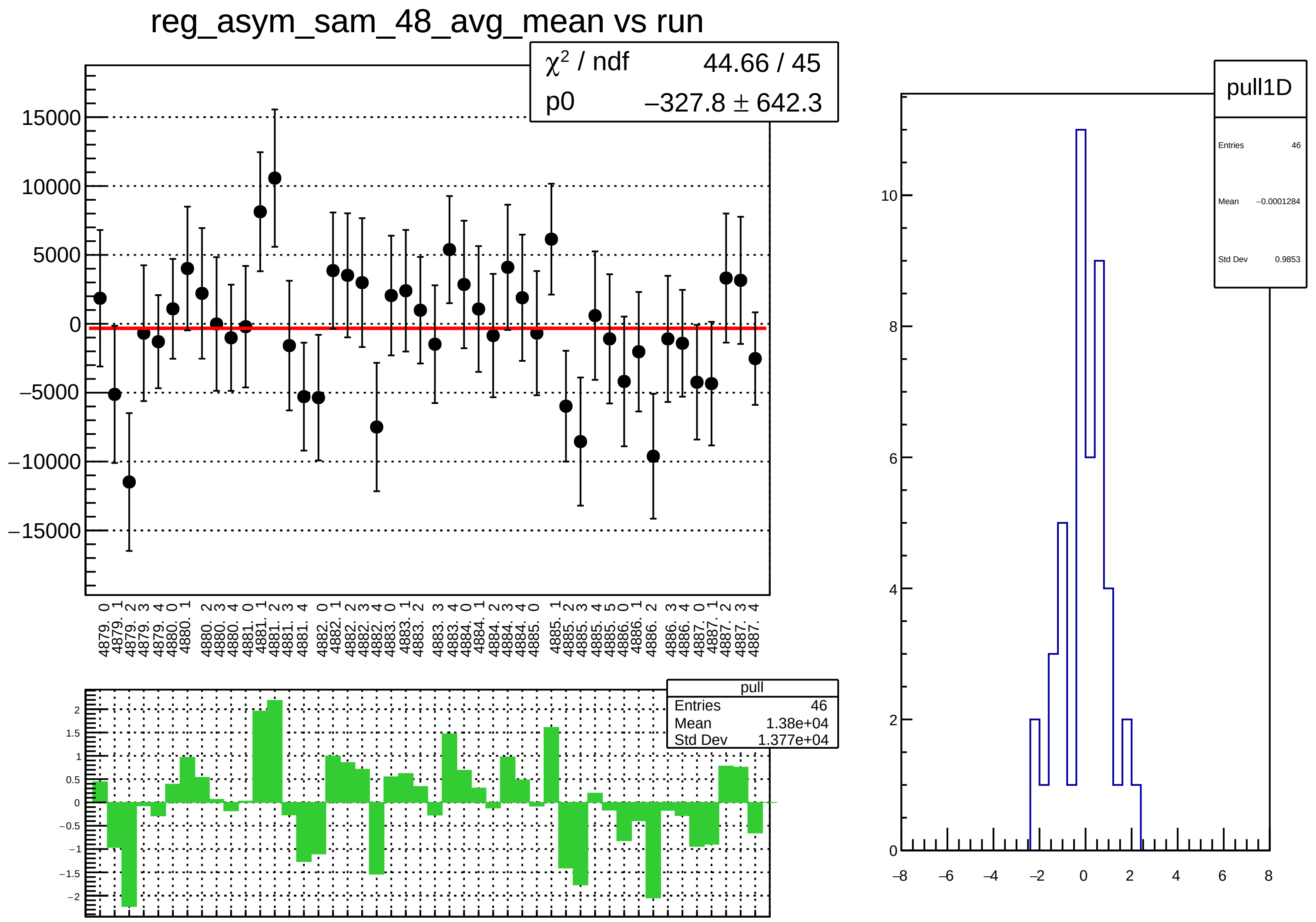
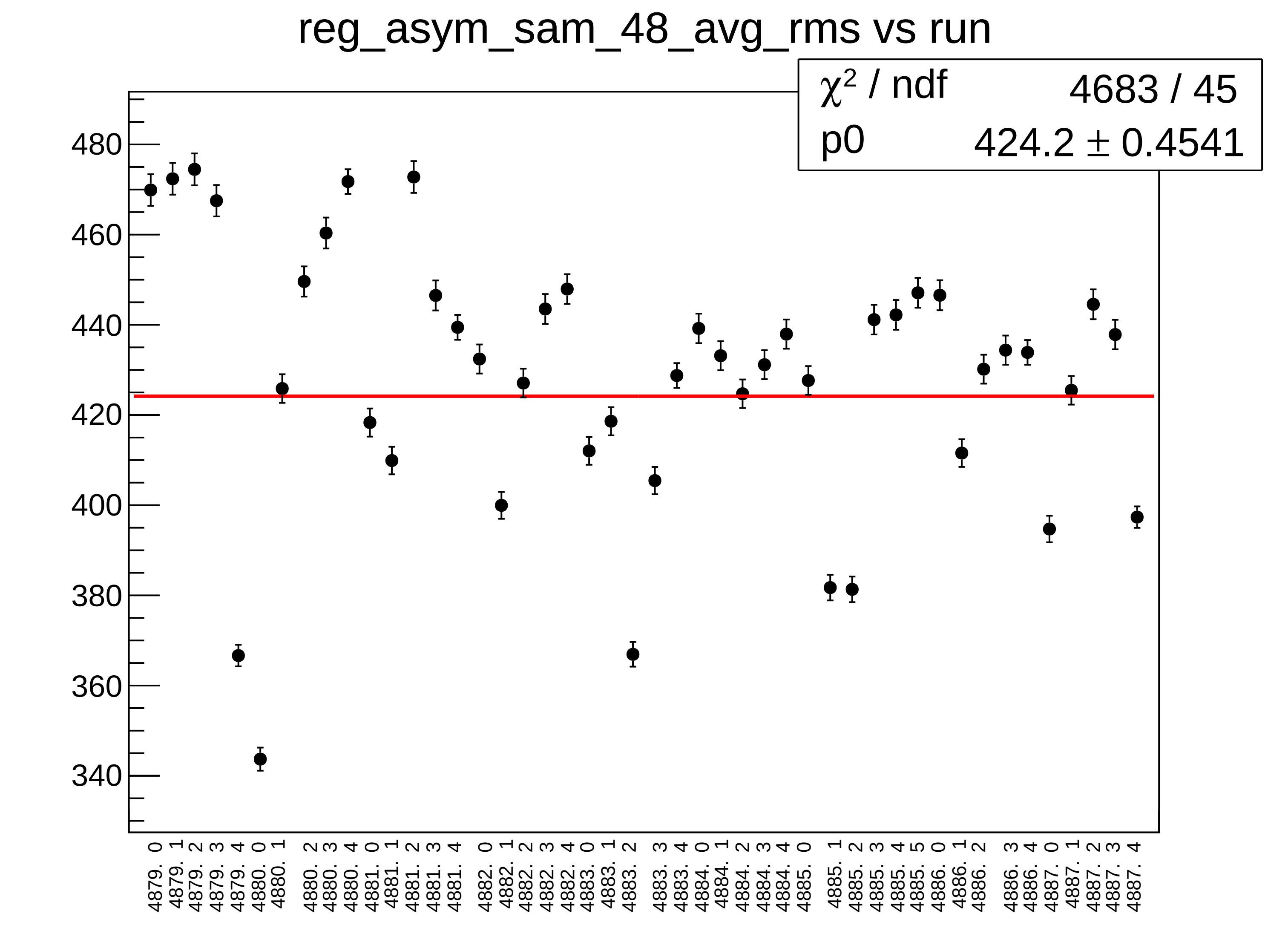
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_48_avg_mean vs run
χ^2 / ndf 44.66 / 45
p0 −327.8 ± 642.3
pull
Entries 46
Mean 1.38e+04
Std Dev 1.377e+04
pull1D
Entries 46
Mean −0.0001284
Std Dev 0.9853



reg_asym_sam_48_avg_rms vs run
χ^2 / ndf 4683 / 45
p0 424.2 ± 0.4541
480
460
440
420
400
380
360
340
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
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4881. 4
4882. 0
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4882. 2
4882. 3
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4883. 0
4883. 1
4883. 2
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4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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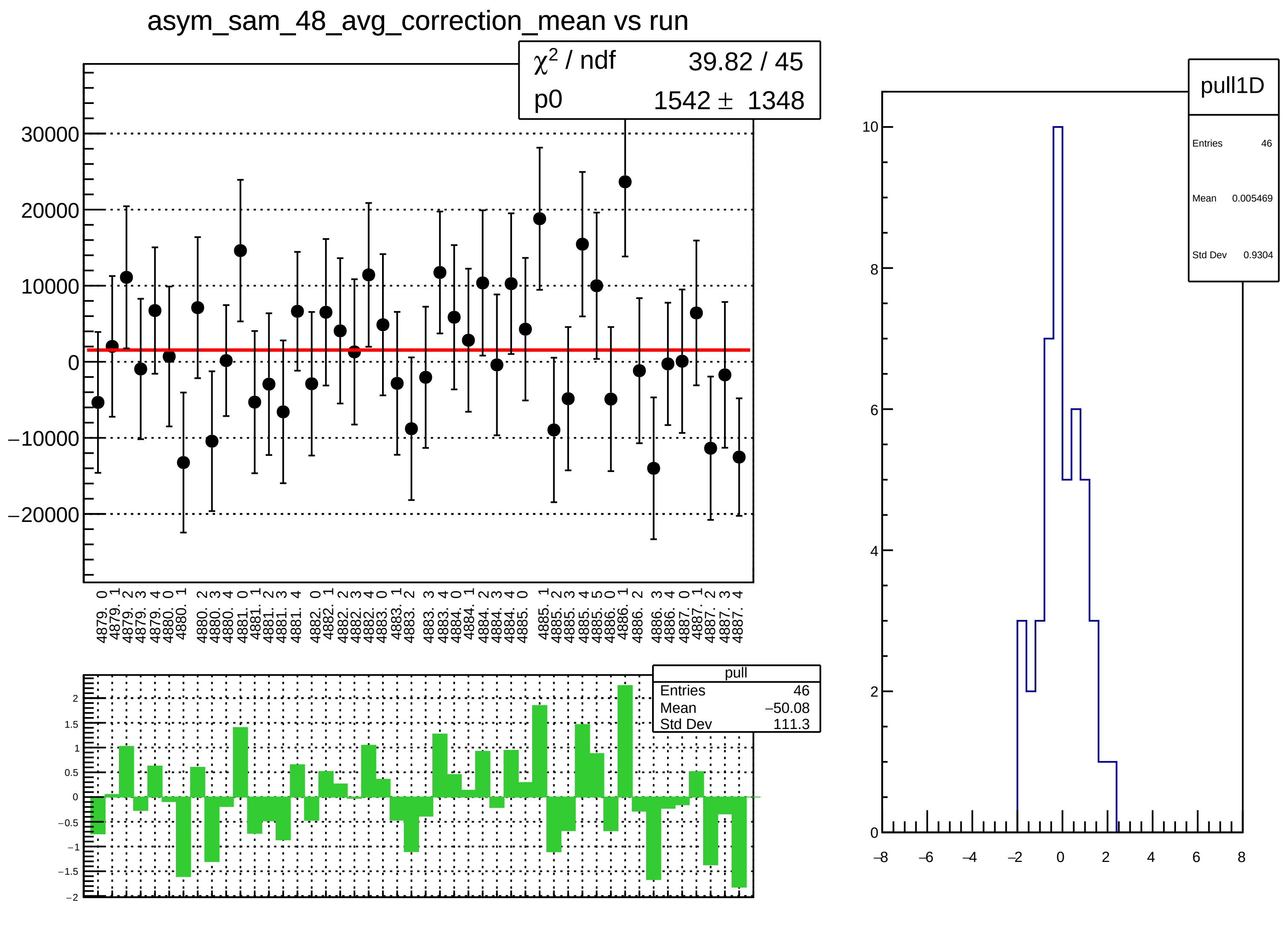
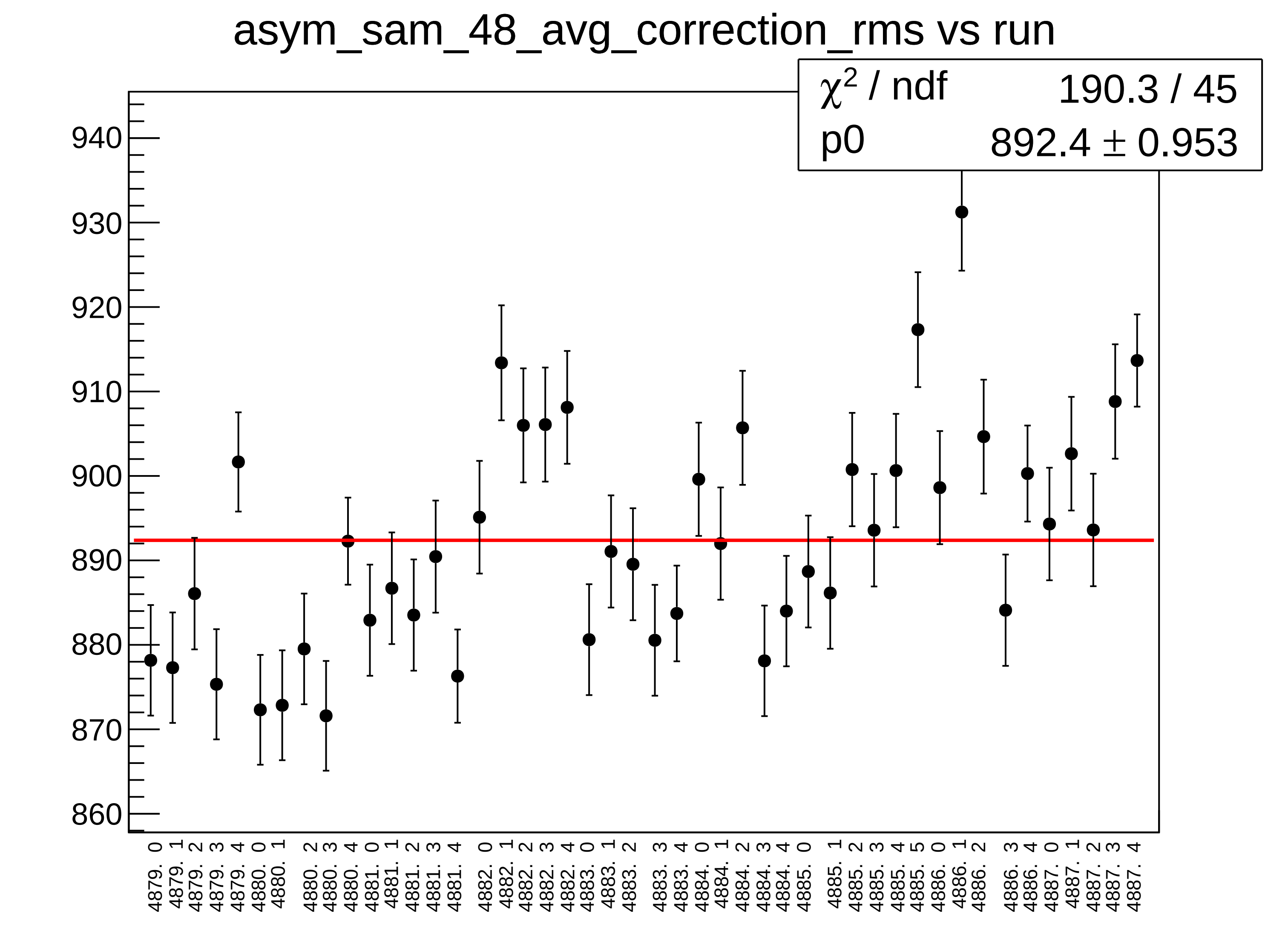
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 39.82 / 45
p0 1542 ± 1348
pull
Entries 46
Mean −50.08
Std Dev 111.3
pull1D
Entries 46
Mean 0.005469
Std Dev 0.9304


asym_sam_48_avg_correction_rms vs run
χ2 / ndf 190.3 / 45
p0 892.4 ± 0.953
940
930
920
910
900
890
880
870
860
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
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4884. 2
4884. 3
4884. 4
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4885. 5
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4887. 0
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4887. 2
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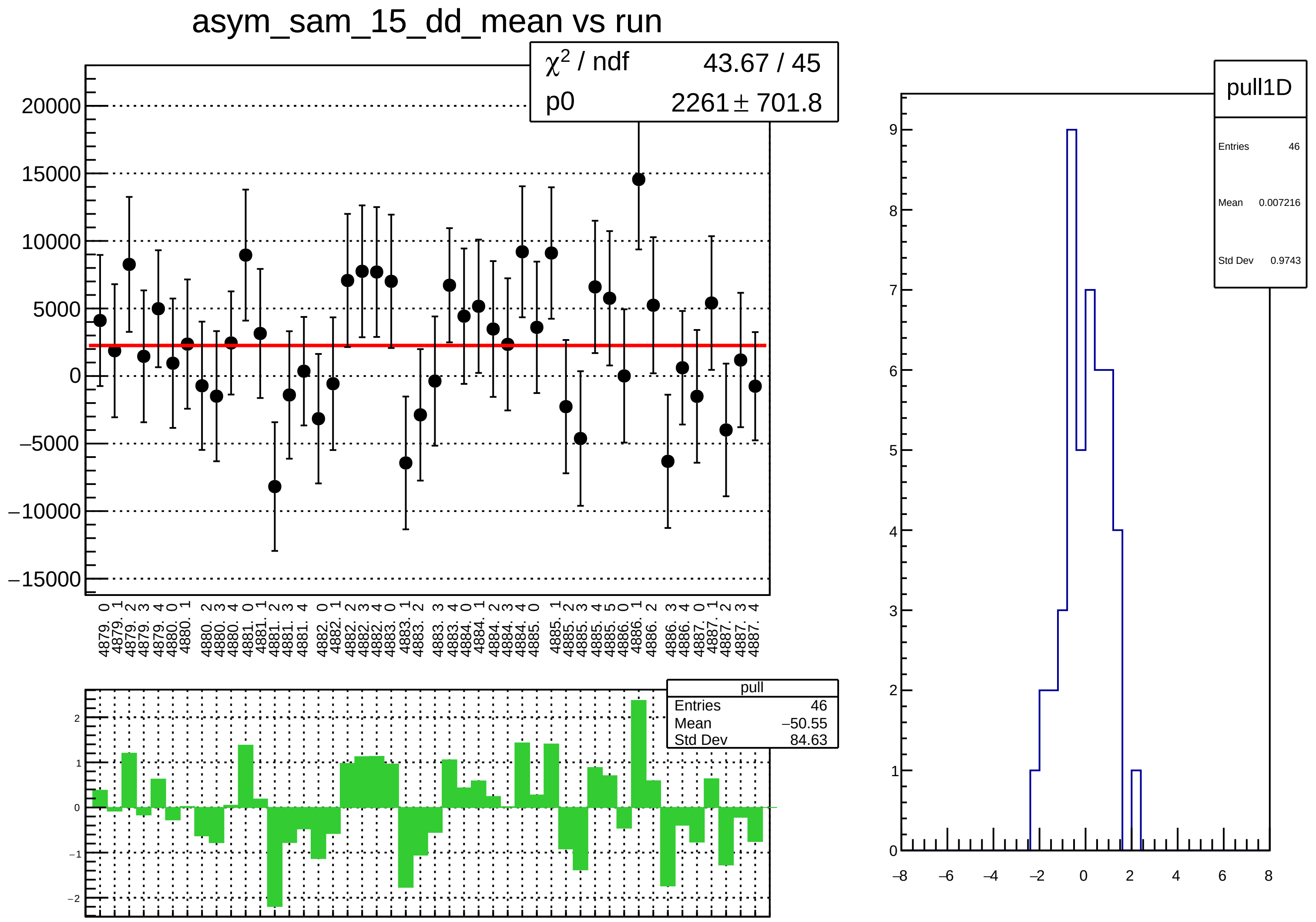
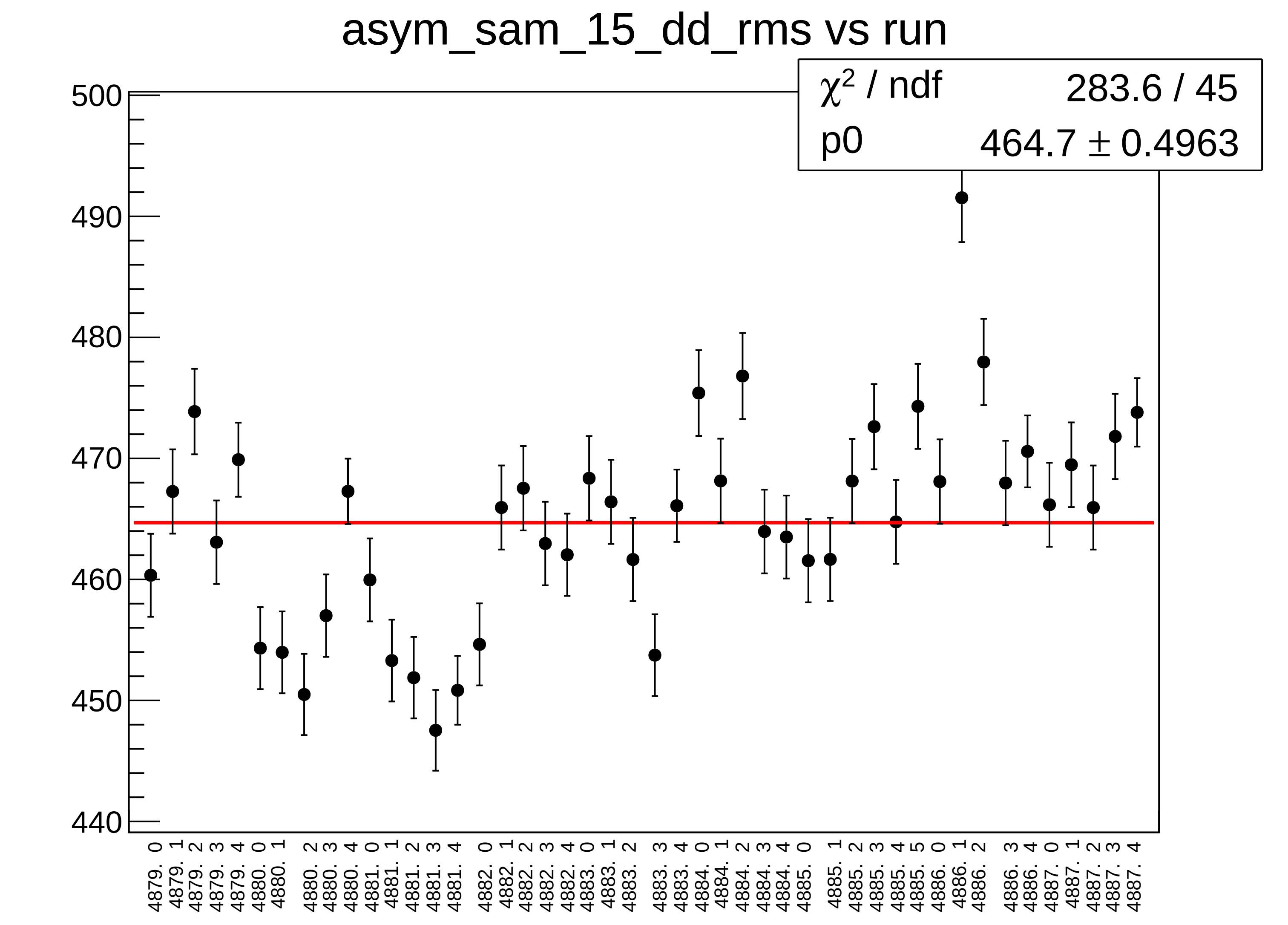
4887. 4



asym_sam_15_dd_mean vs run
χ^2 / ndf 43.67 / 45
p0 2261 ± 701.8
pull
Entries 46
Mean −50.55
Std Dev 84.63
pull1D
Entries 46
Mean 0.007216
Std Dev 0.9743


asym_sam_15_dd_rms vs run
χ^2 / ndf 283.6 / 45
p0 464.7 ± 0.4963
500
490
480
470
460
450
440
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
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4882. 2
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4882. 4
4883. 0
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4883. 2
4883. 3
4883. 4
4884. 0
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4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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4886. 2
4886. 3
4886. 4
4887. 0
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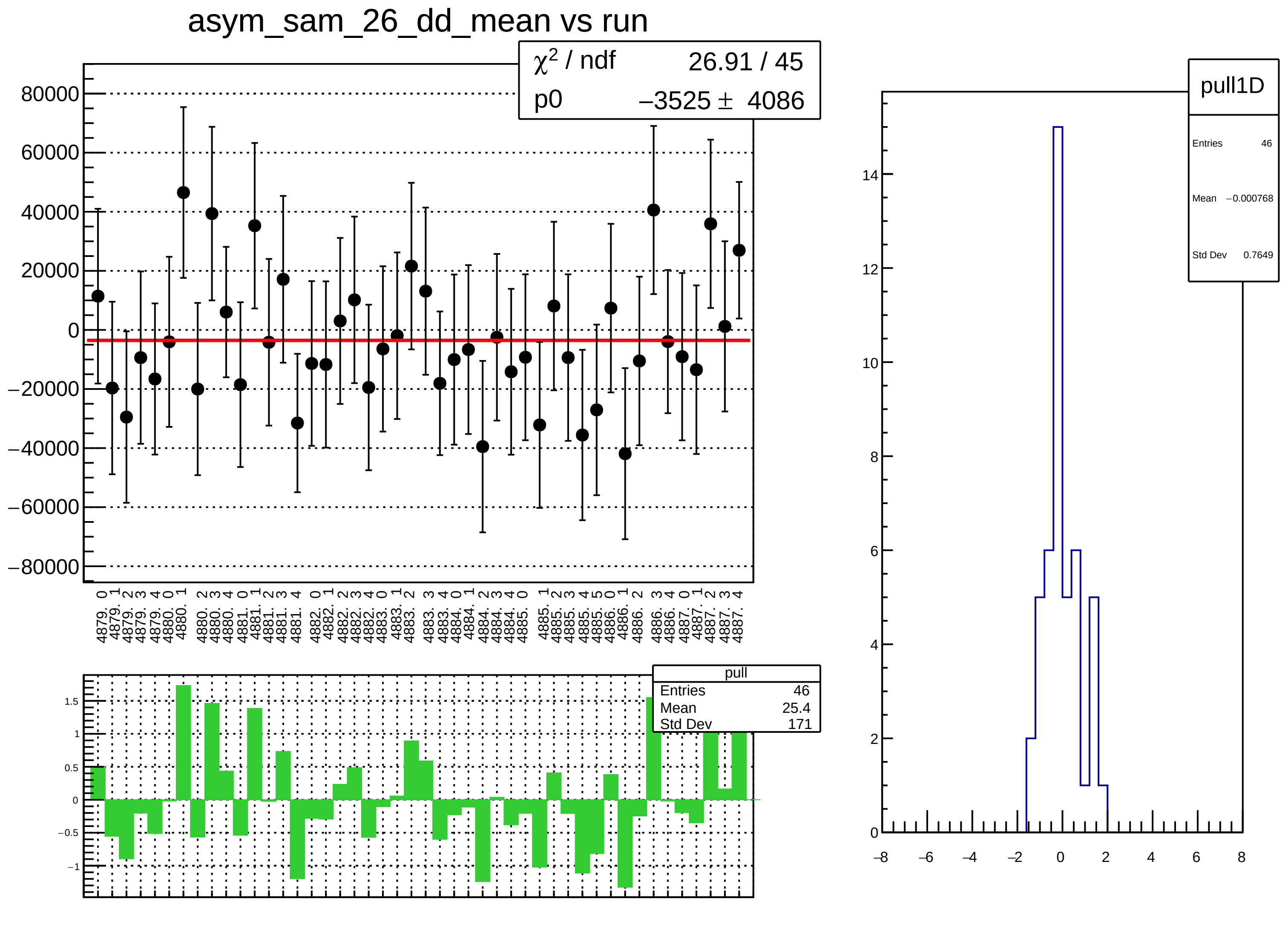
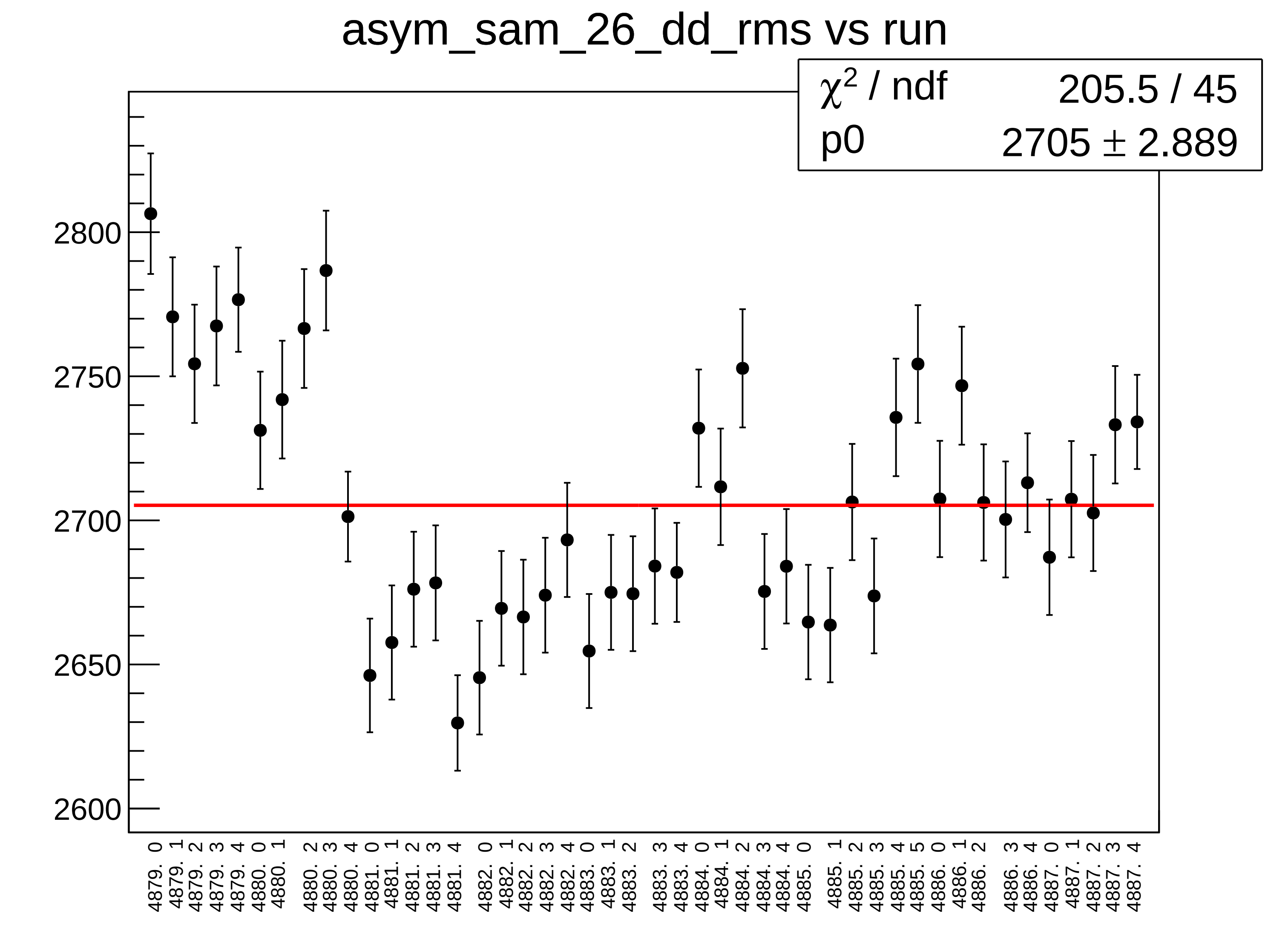
4887. 4



asym_sam_26_dd_mean vs run
χ^2 / ndf 26.91 / 45
p0 −3525 ± 4086
pull
Entries 46
Mean 25.4
Std Dev 171
pull1D
Entries 46
Mean −0.000768
Std Dev 0.7649



asym_sam_26_dd_rms vs run
χ^2 / ndf 205.5 / 45
p0 2705 ± 2.889
2800
2750
2700
2650
2600
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
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4882. 0
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4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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4886. 2
4886. 3
4886. 4
4887. 0
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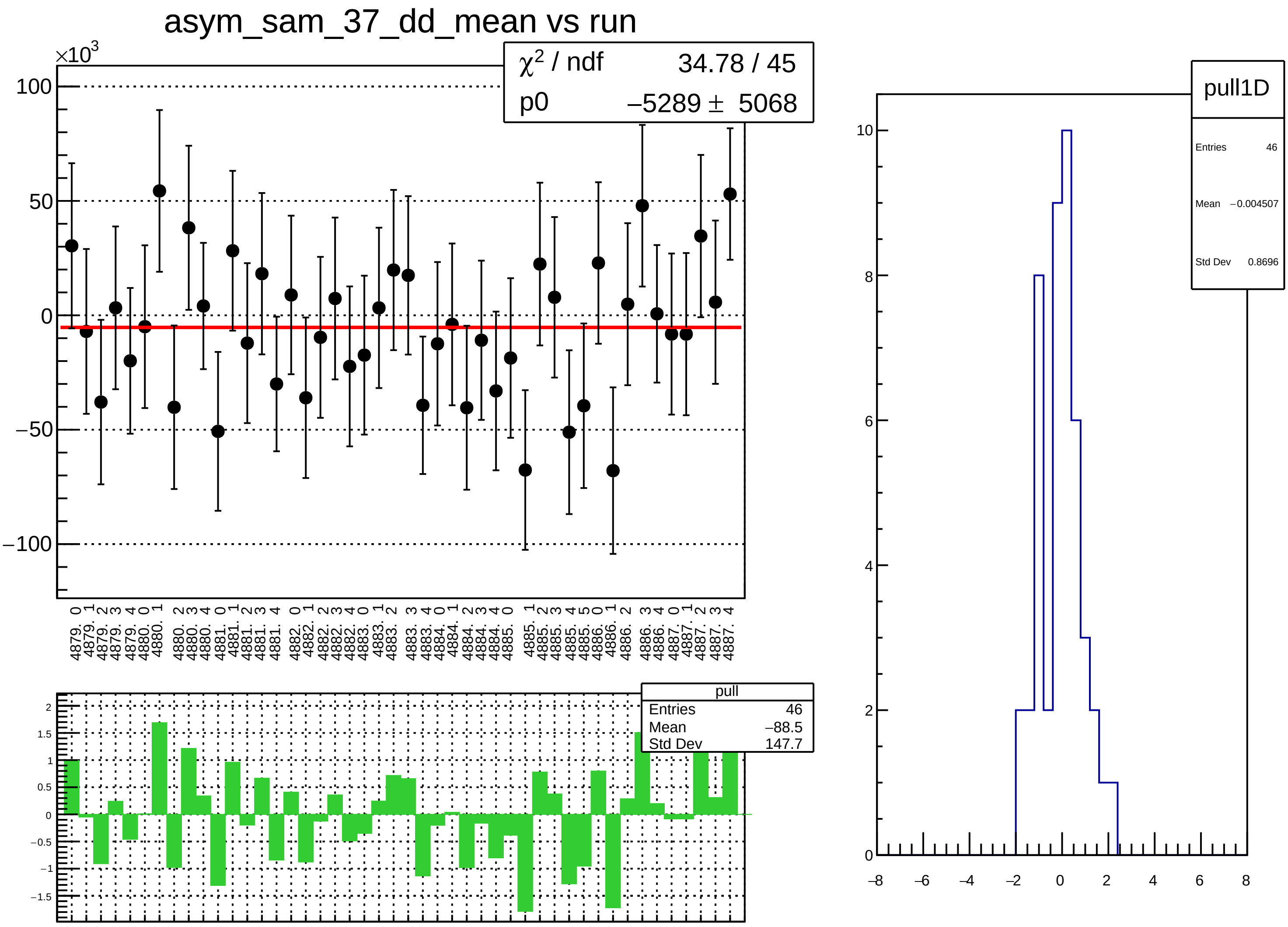
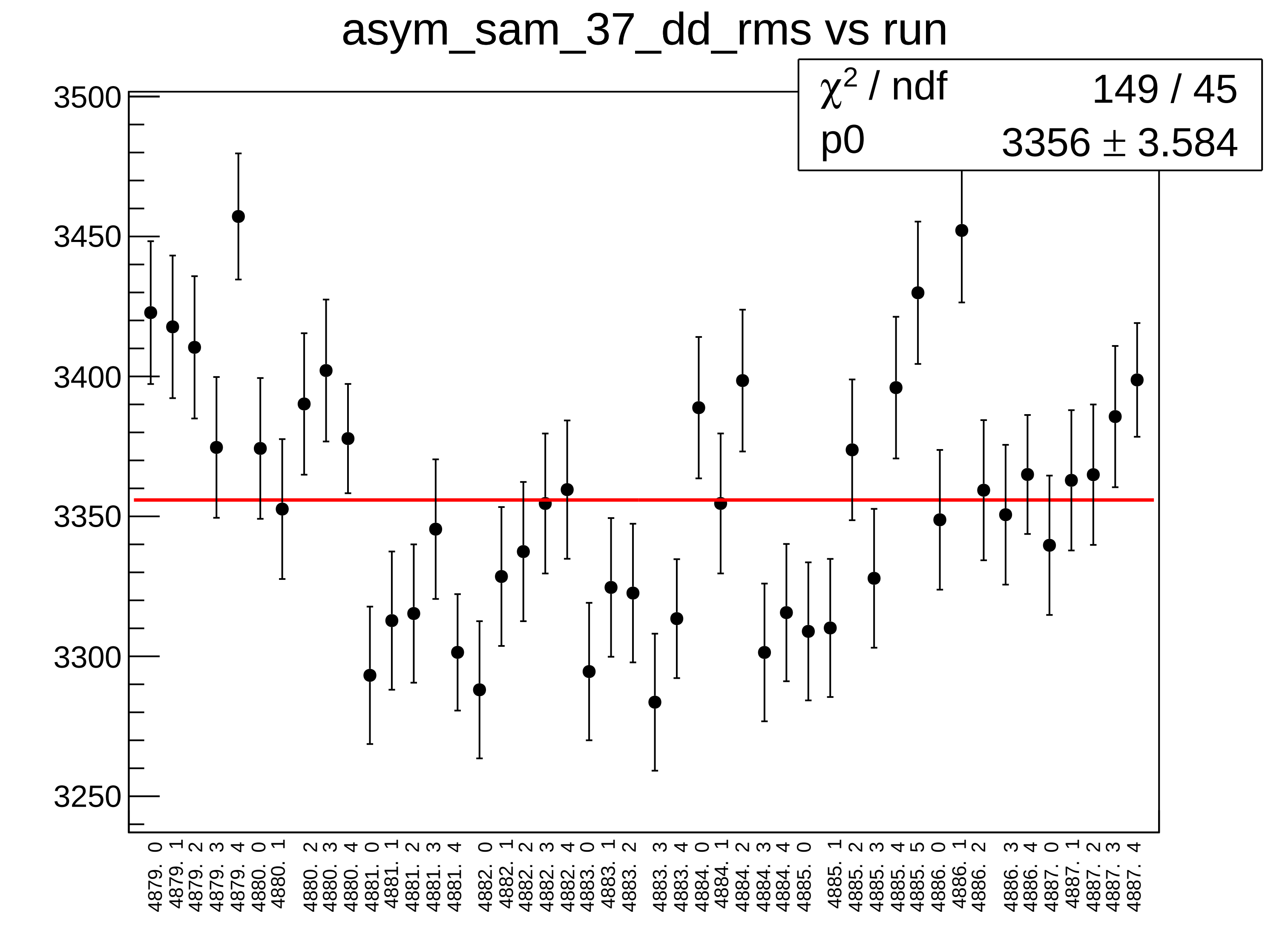
4887. 4


asym_sam_37_dd_mean vs run
χ^2 / ndf 34.78 / 45
p0 −5289 ± 5068
pull
Entries 46
Mean −88.5
Std Dev 147.7
pull1D
Entries 46
Mean −0.004507
Std Dev 0.8696


asym_sam_37_dd_rms vs run
χ^2 / ndf 149 / 45
p0 3356 ± 3.584
3500
3450
3400
3350
3300
3250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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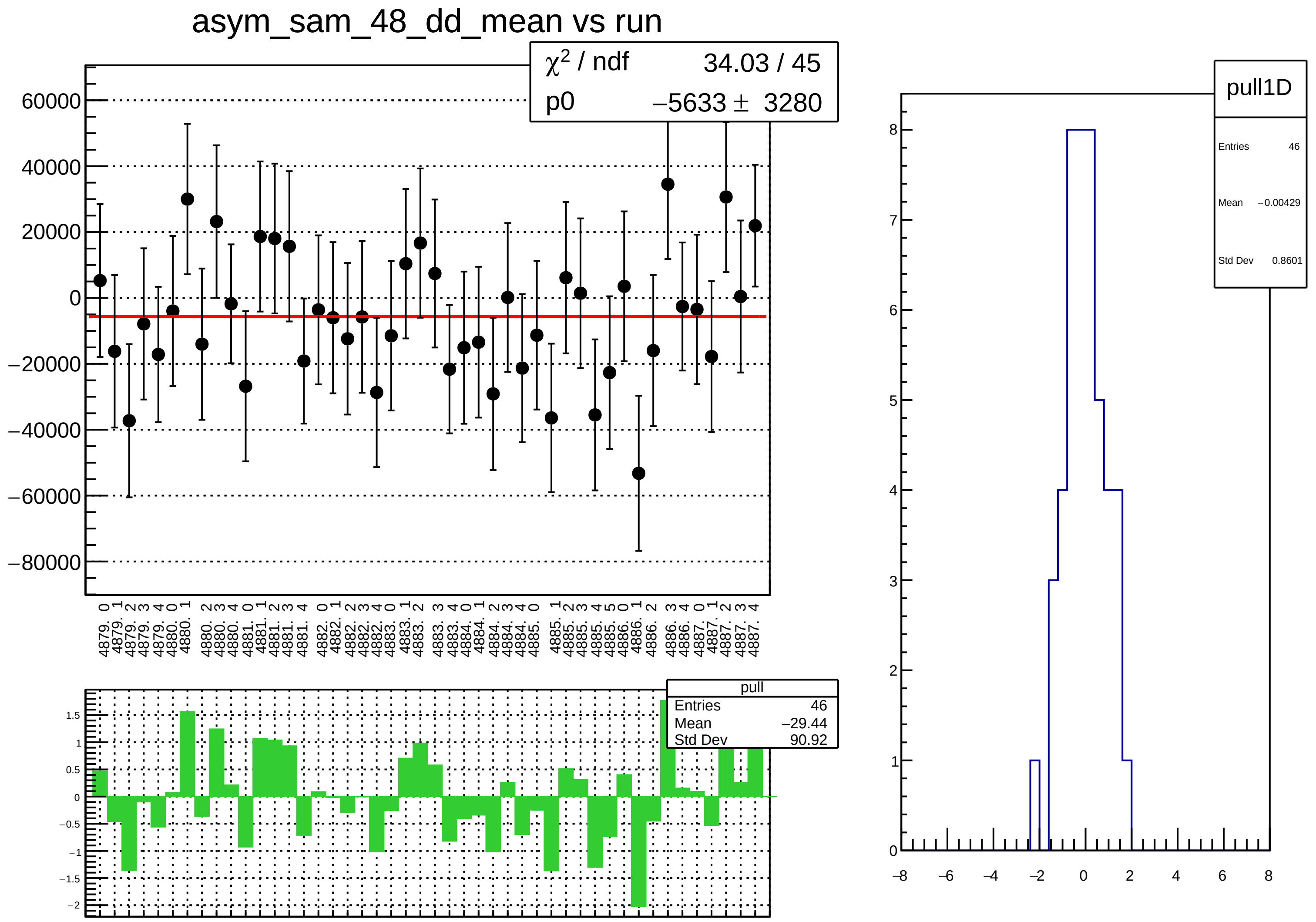
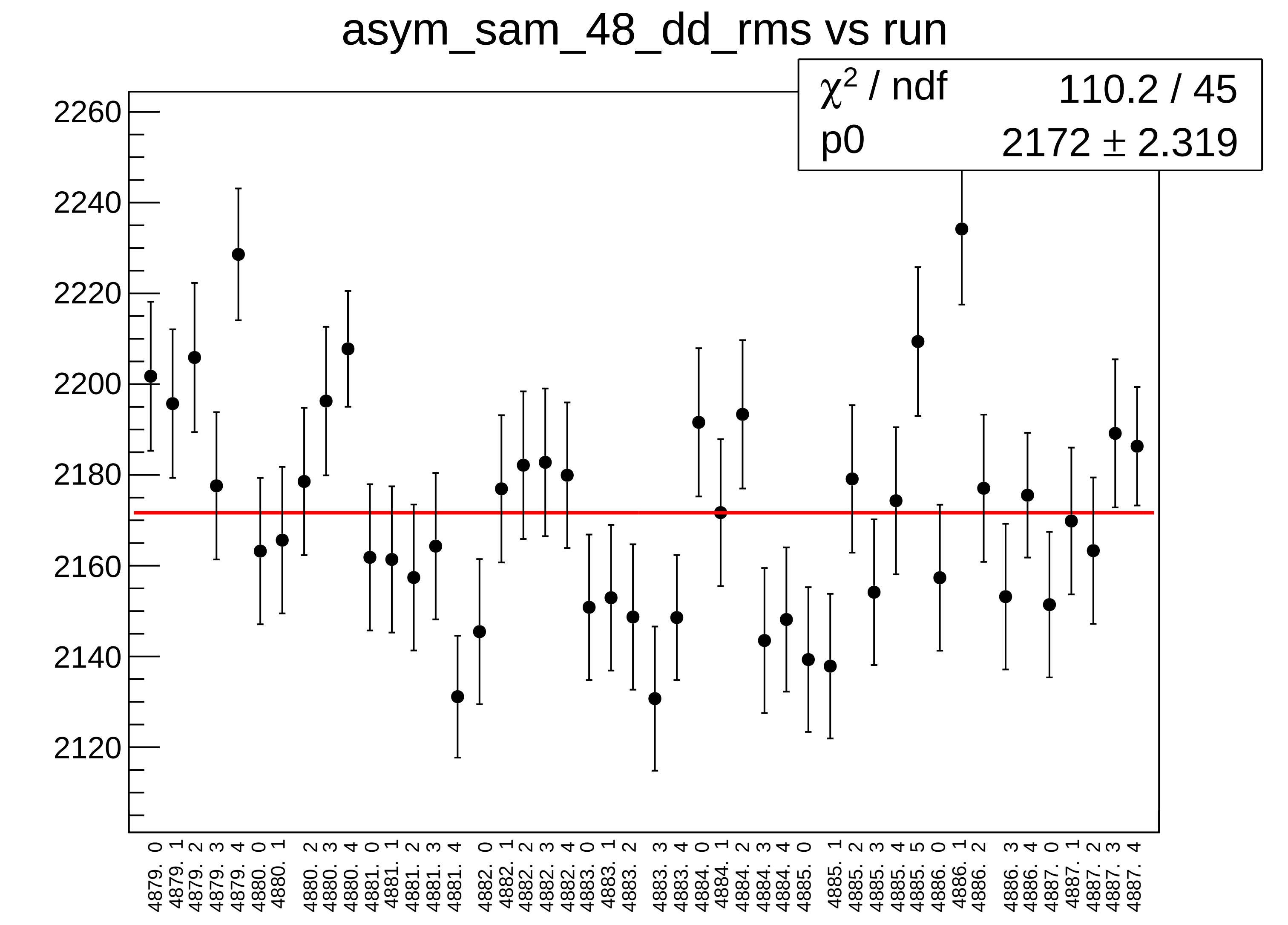
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_sam_48_dd_mean vs run
χ^2 / ndf 34.03 / 45
p0 −5633 ± 3280
pull
Entries 46
Mean −29.44
Std Dev 90.92
pull1D
Entries 46
Mean −0.00429
Std Dev 0.8601



asym_sam_48_dd_rms vs run
χ^2 / ndf 110.2 / 45
p0 2172 ± 2.319
2260
2240
2220
2200
2180
2160
2140
2120
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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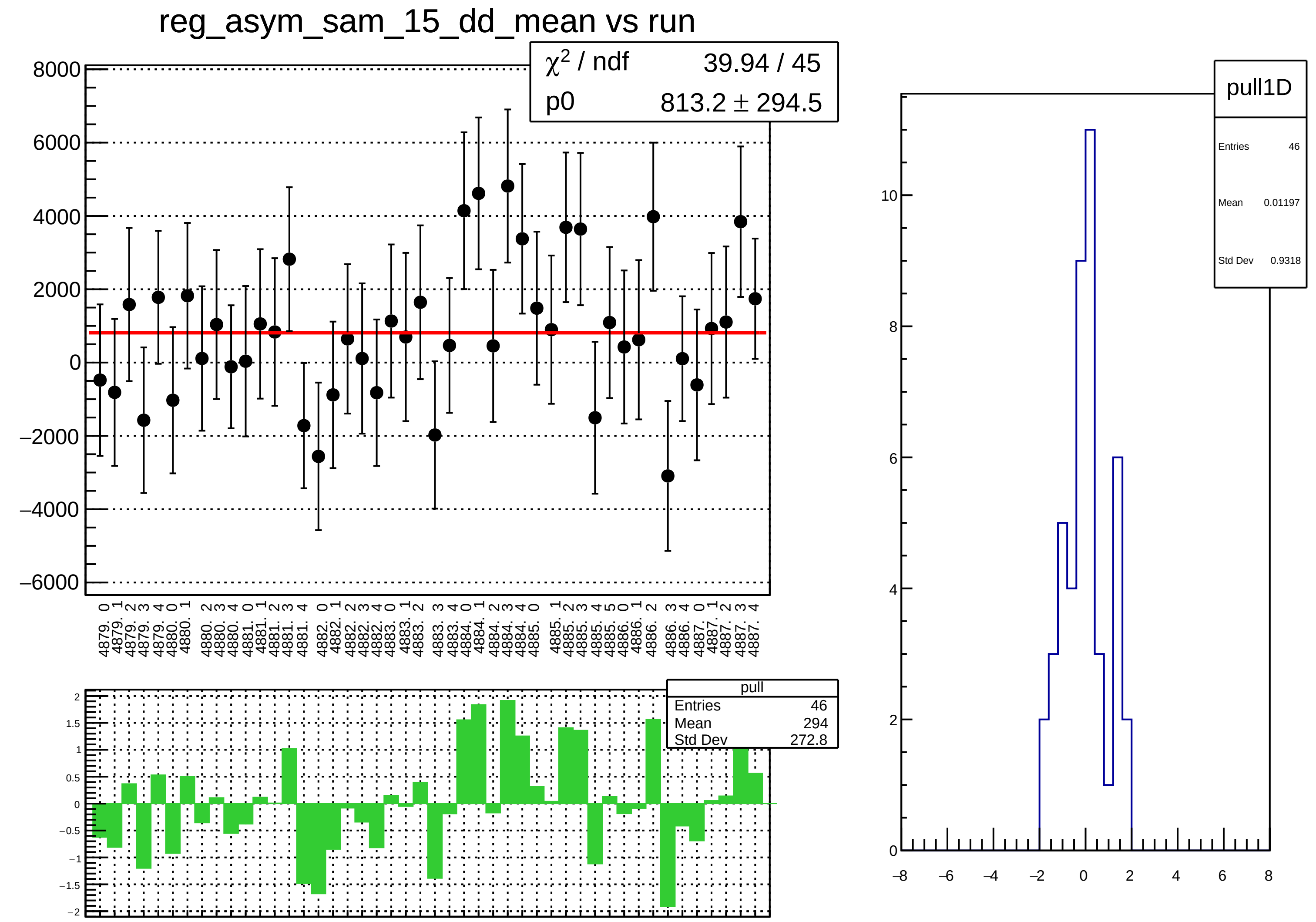
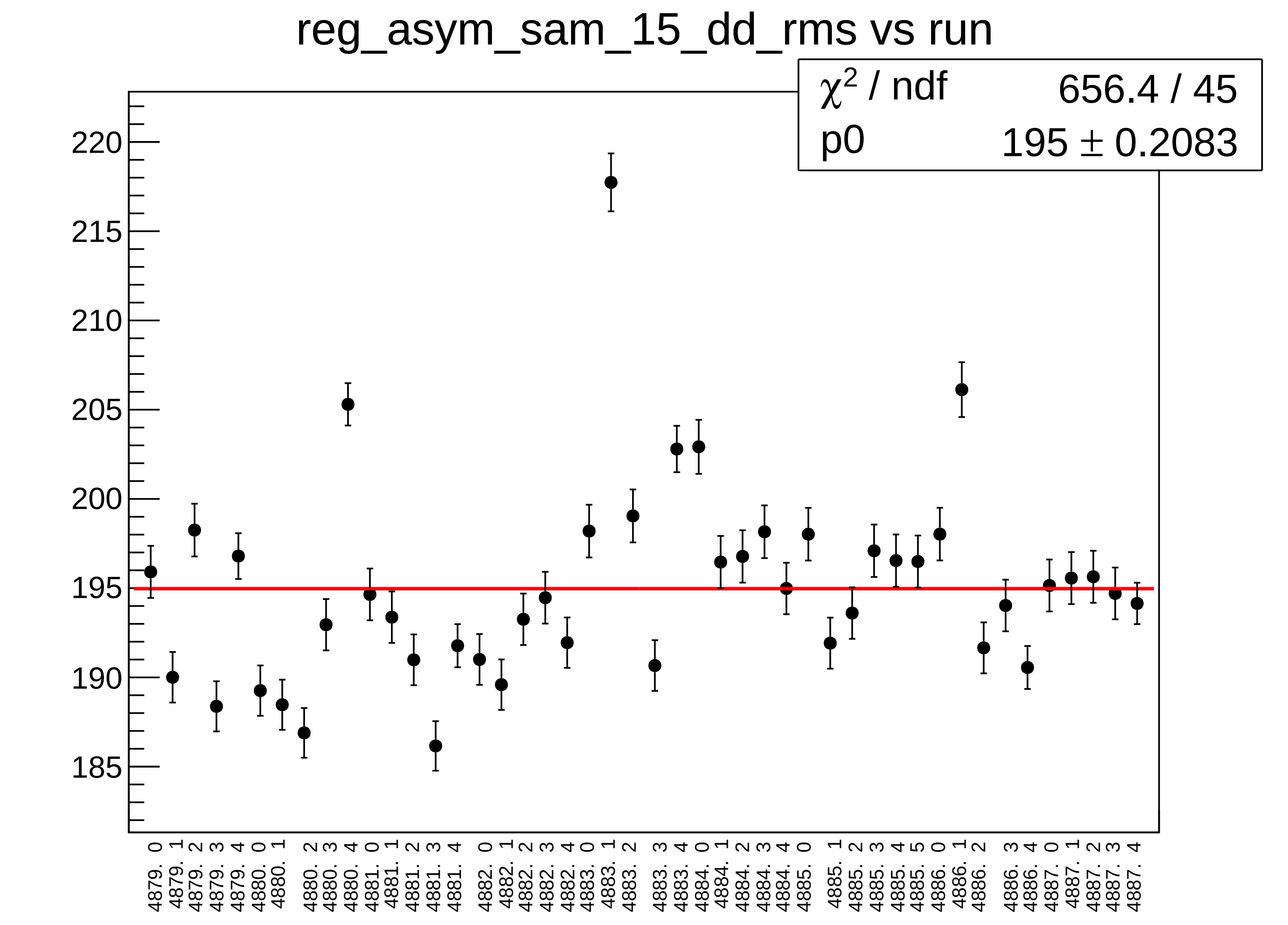
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_15_dd_mean vs run
χ^2 / ndf 39.94 / 45
p0 813.2 ± 294.5
pull
Entries 46
Mean 294
Std Dev 272.8
pull1D
Entries 46
Mean 0.01197
Std Dev 0.9318



reg_asym_sam_15_dd_rms vs run
χ^2 / ndf 656.4 / 45
p0 195 ± 0.2083
220
215
210
205
200
195
190
185
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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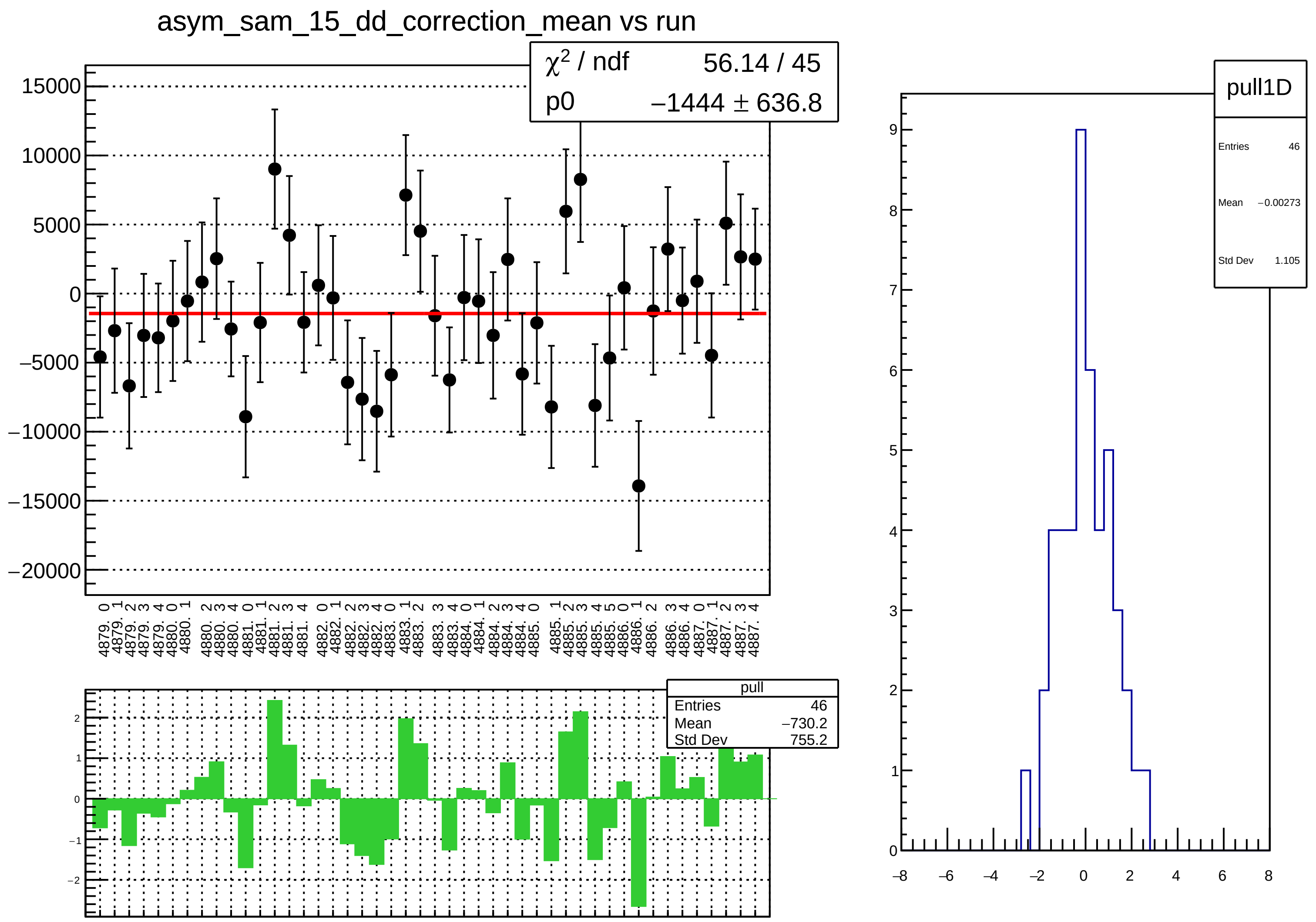
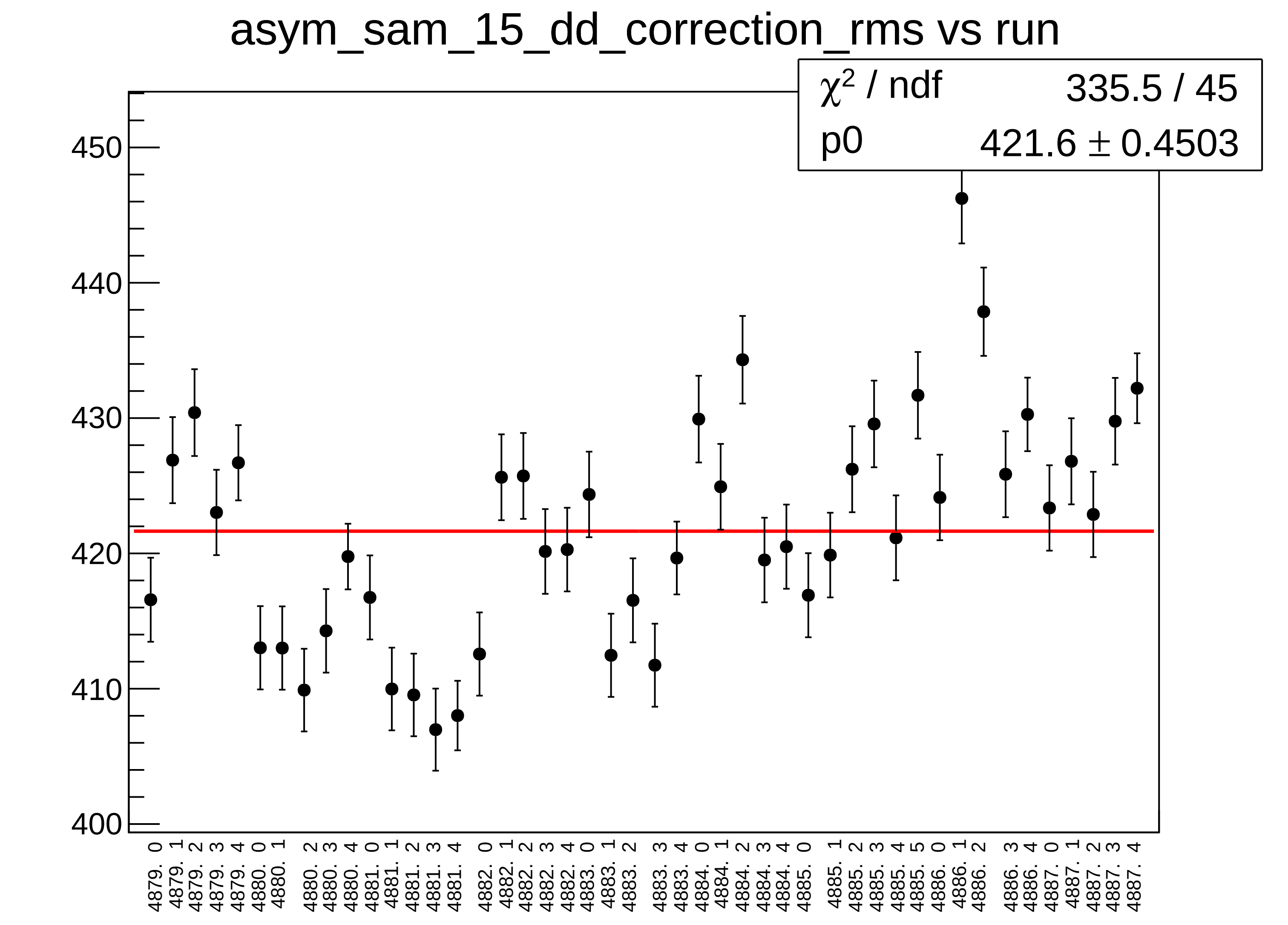
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4


asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 56.14 / 45
p0 −1444 ± 636.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 46
Mean −730.2
Std Dev 755.2
pull1D
Entries 46
Mean −0.00273
Std Dev 1.105
−8
−6
−4
−2
0
2
4
6
8



asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 335.5 / 45
p0 421.6 ± 0.4503
450
440
430
420
410
400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
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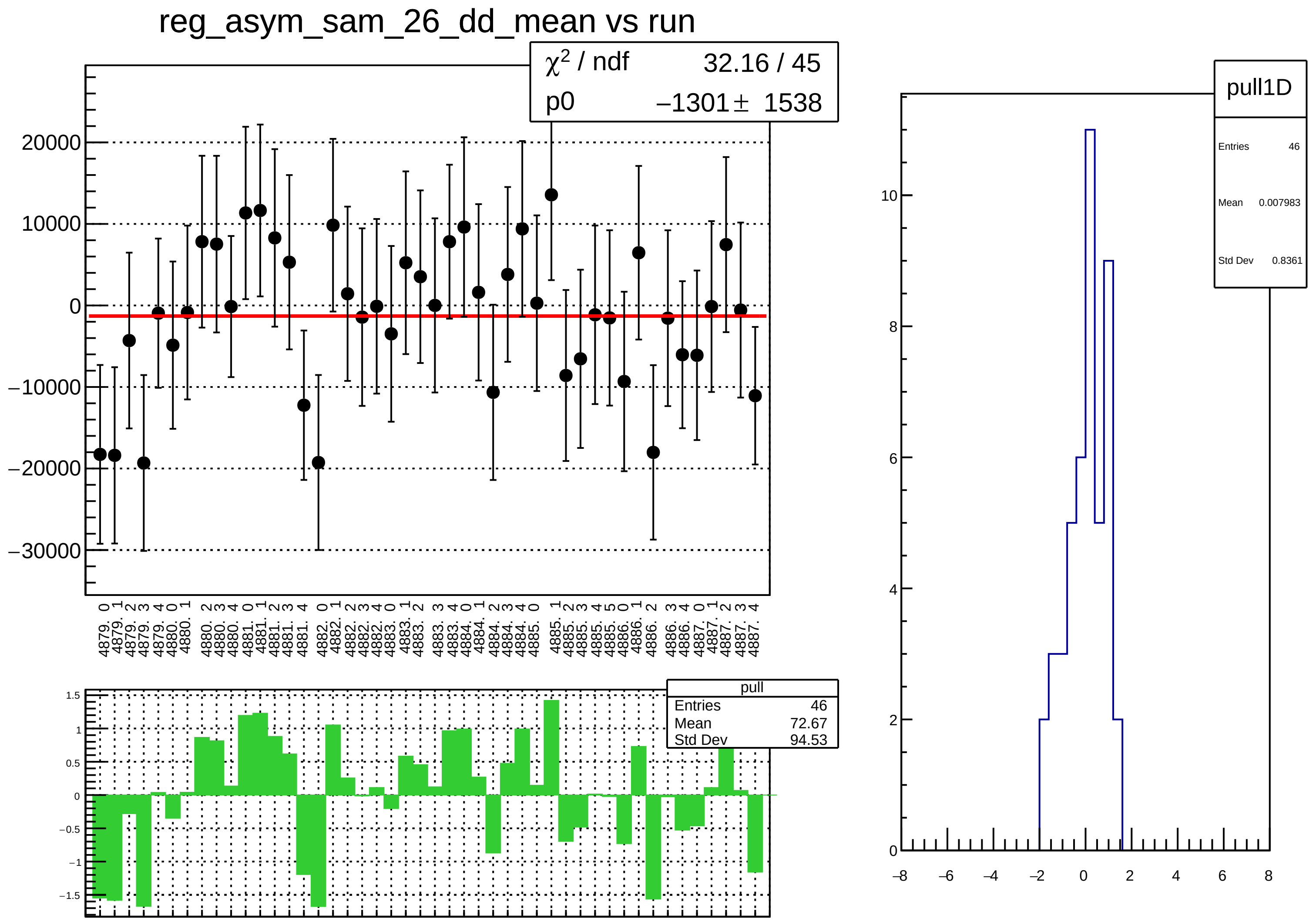
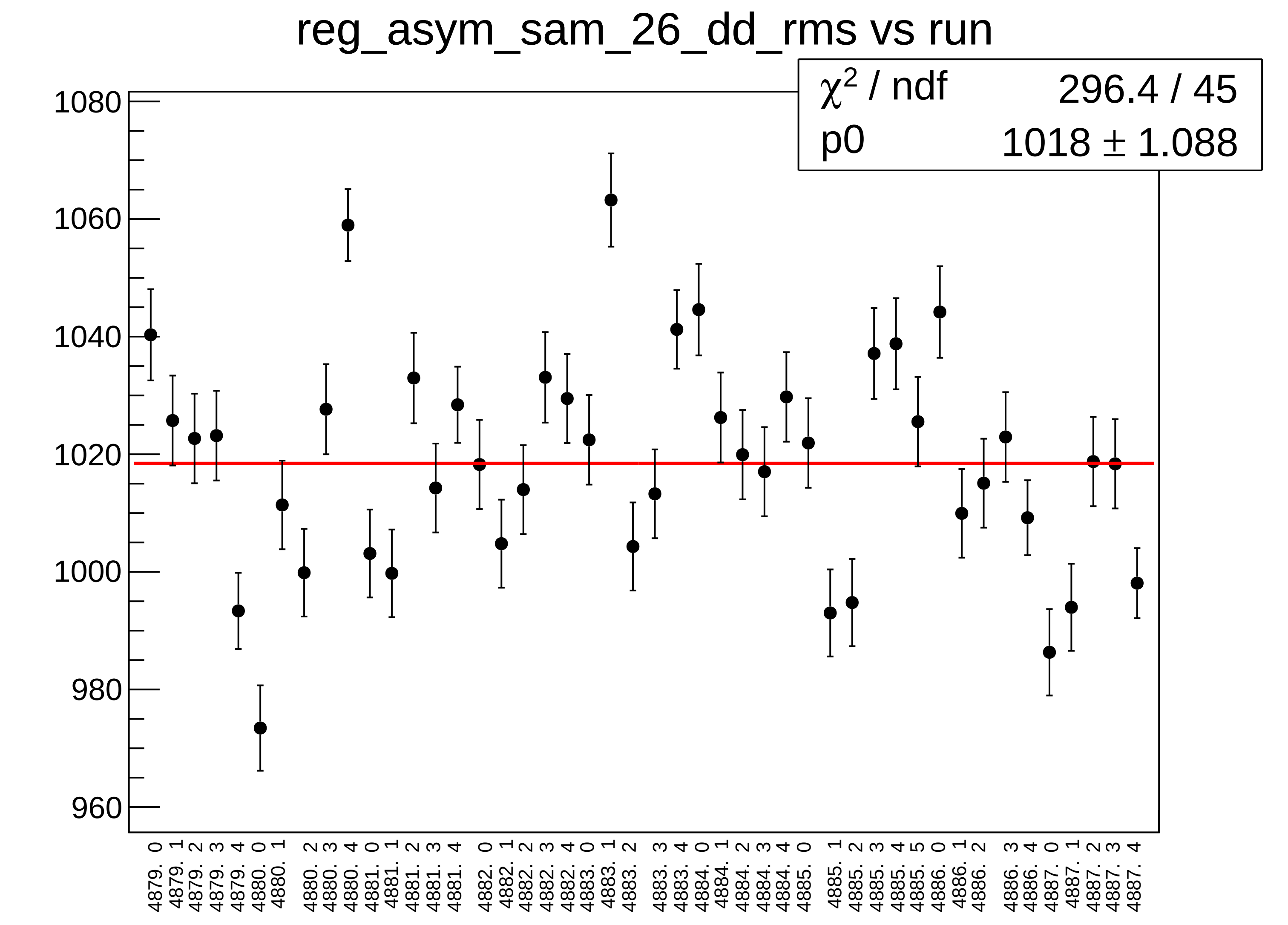
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_26_dd_mean vs run
χ^2 / ndf 32.16 / 45
p0 −1301 ± 1538
pull
Entries 46
Mean 72.67
Std Dev 94.53
pull1D
Entries 46
Mean 0.007983
Std Dev 0.8361


reg_asym_sam_26_dd_rms vs run
χ2 / ndf 296.4 / 45
p0 1018 ± 1.088
1080
1060
1040
1020
1000
980
960
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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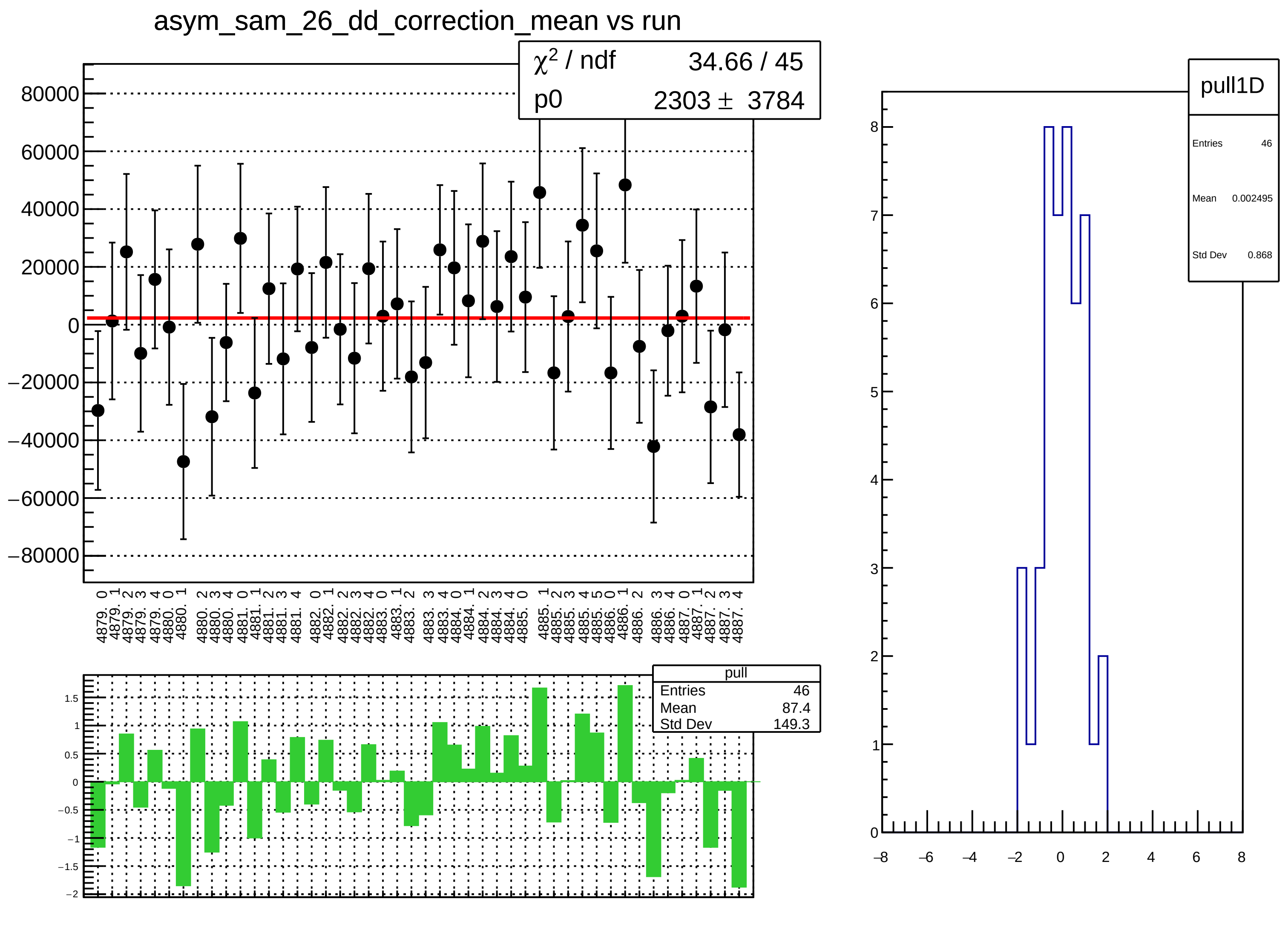
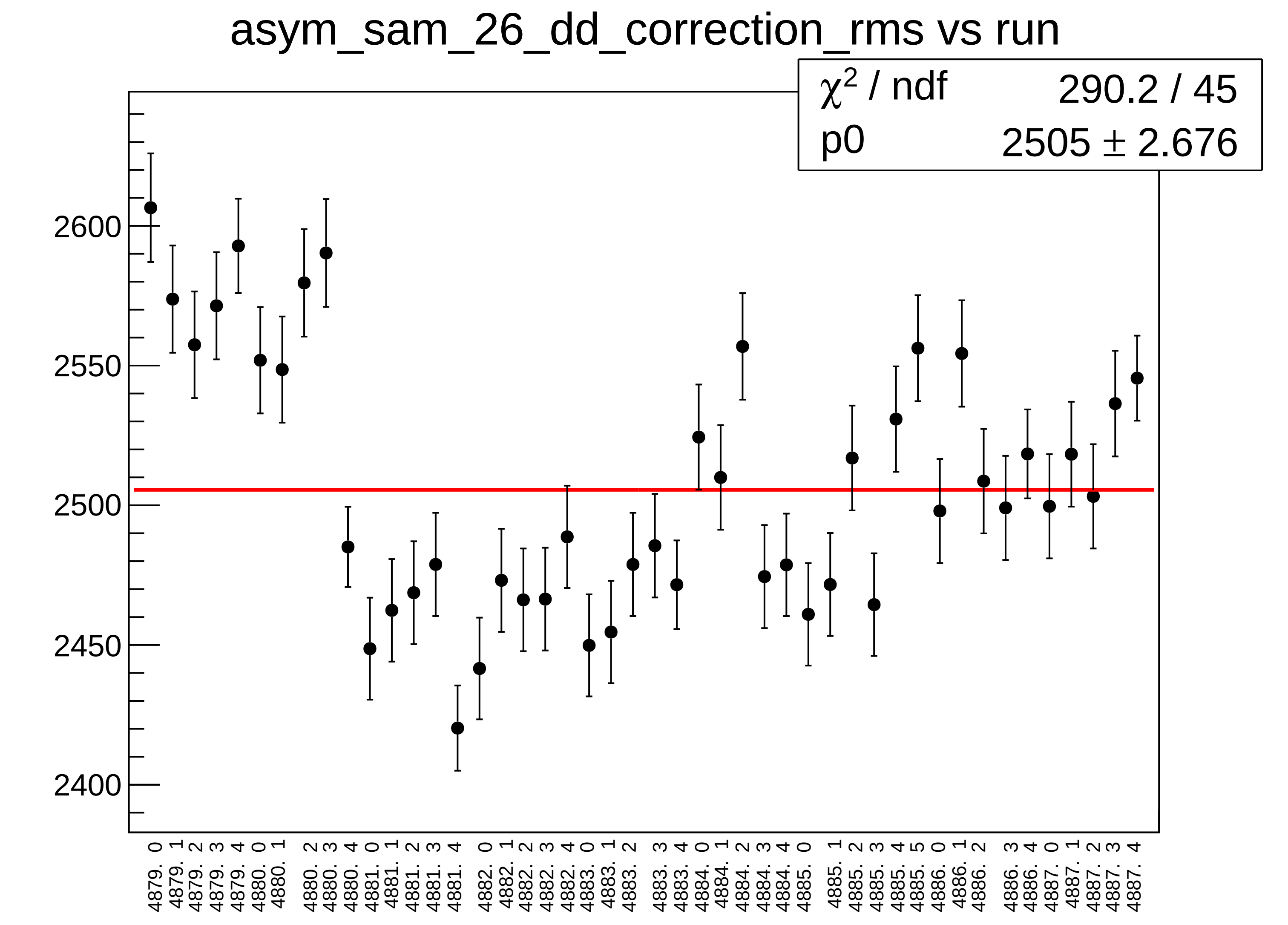
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_26_dd_correction_mean vs run
χ^2 / ndf 34.66 / 45
p0 2303 ± 3784
pull
Entries 46
Mean 87.4
Std Dev 149.3
pull1D
Entries 46
Mean 0.002495
Std Dev 0.868



asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 290.2 / 45
p0 2505 ± 2.676
2600
2550
2500
2450
2400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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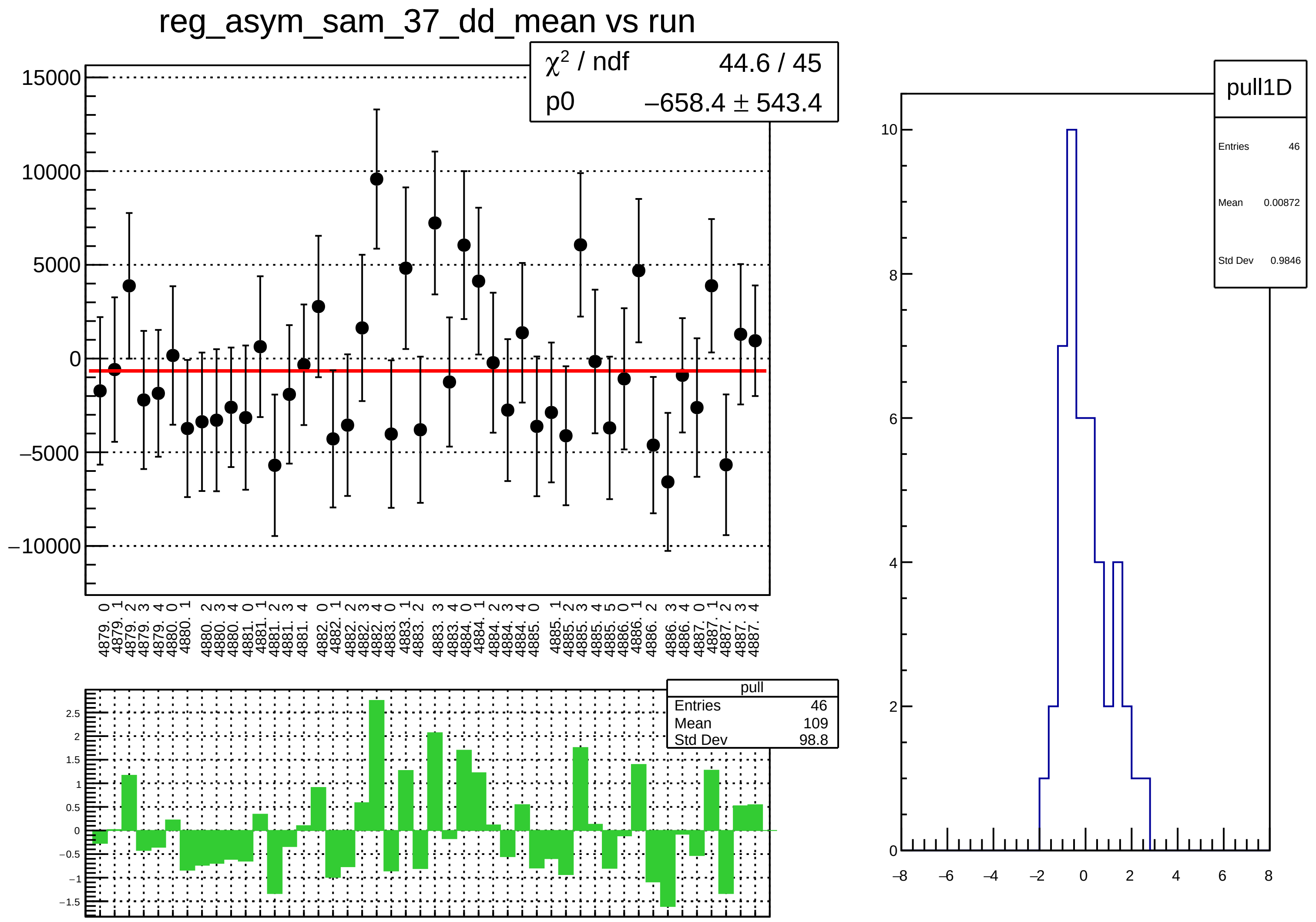
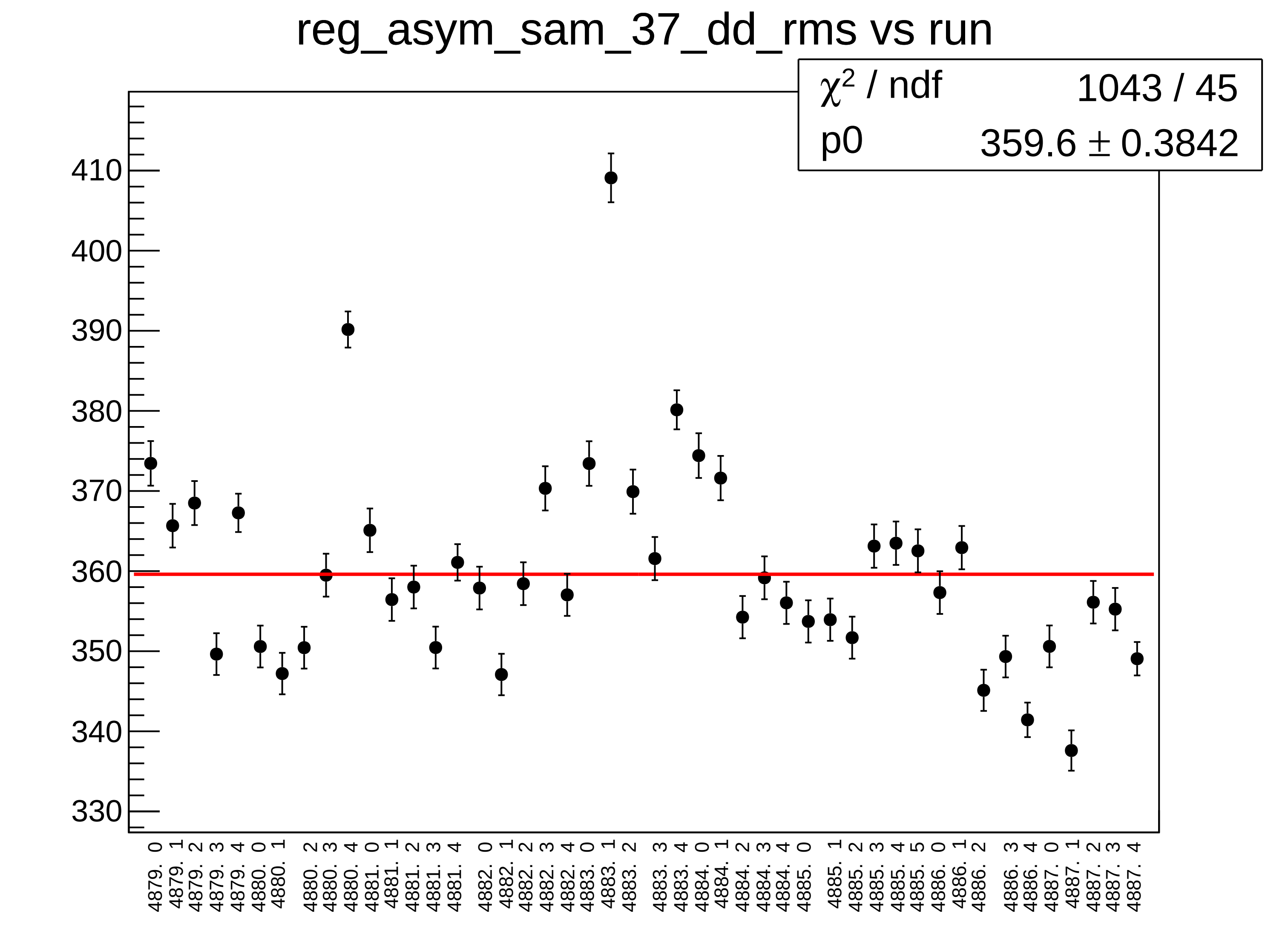
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_37_dd_mean vs run
χ² / ndf 44.6 / 45
p0 −658.4 ± 543.4
pull
Entries 46
Mean 109
Std Dev 98.8
pull1D
Entries 46
Mean 0.00872
Std Dev 0.9846



reg_asym_sam_37_dd_rms vs run
χ^2 / ndf 1043 / 45
p0 359.6 ± 0.3842
410
400
390
380
370
360
350
340
330
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
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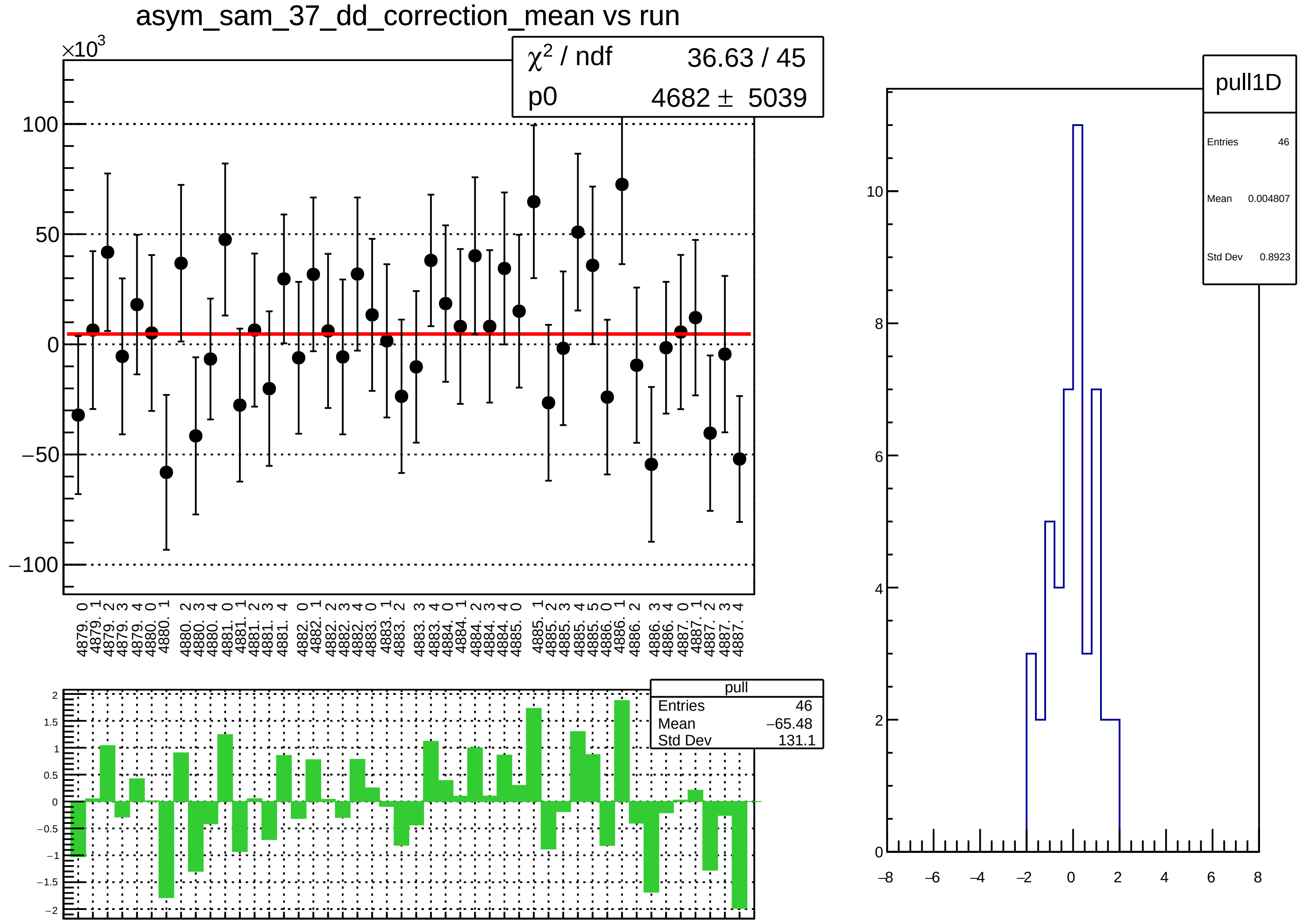
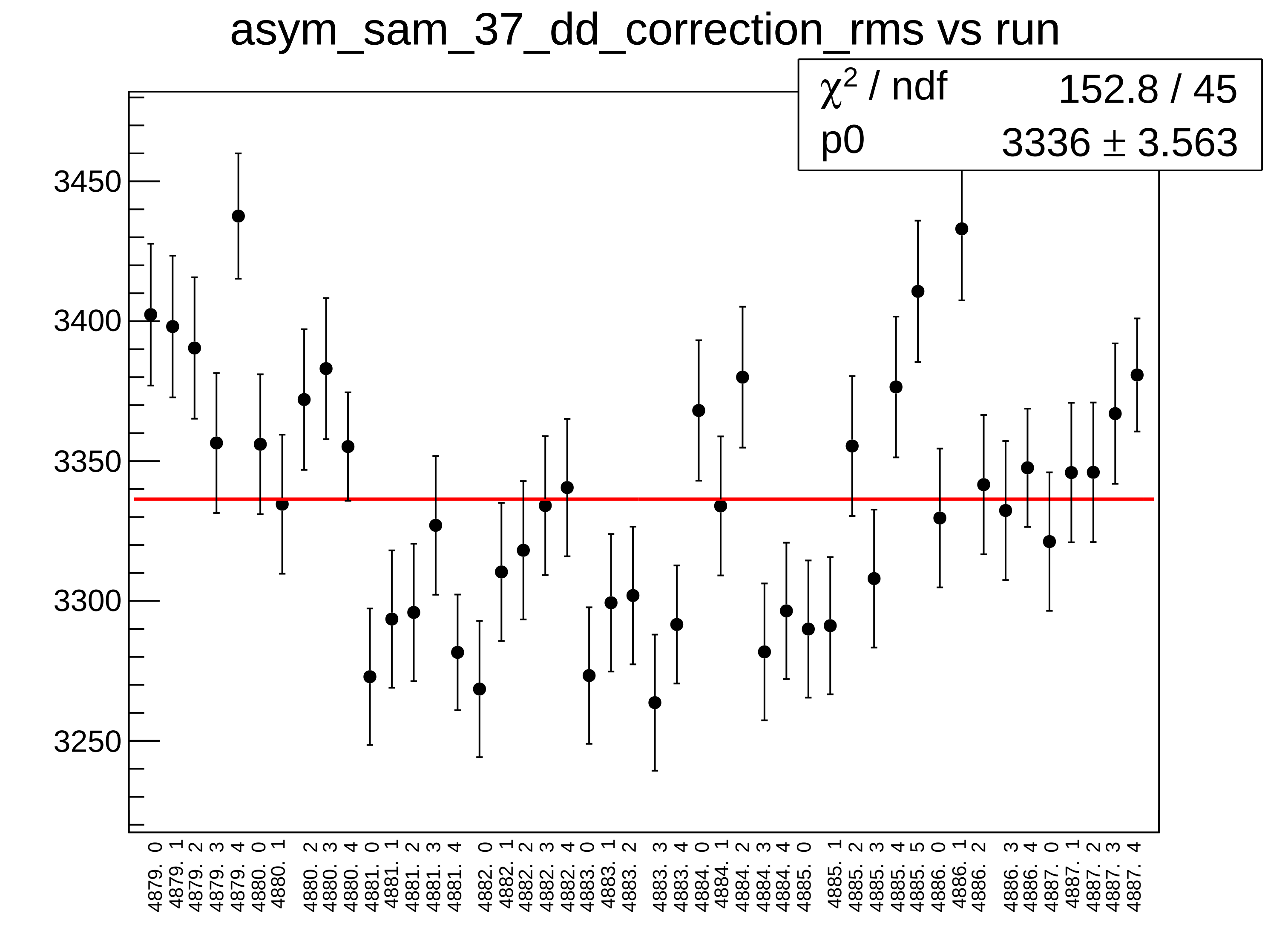
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



asym_sam_37_dd_correction_mean vs run
χ2 / ndf 36.63 / 45
p0 4682 ± 5039
pull
Entries 46
Mean −65.48
Std Dev 131.1
pull1D
Entries 46
Mean 0.004807
Std Dev 0.8923



asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 152.8 / 45
p0 3336 ± 3.563
3450
3400
3350
3300
3250
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
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4883. 1
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4884. 0
4884. 1
4884. 2
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4884. 4
4885. 0
4885. 1
4885. 2
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4885. 4
4885. 5
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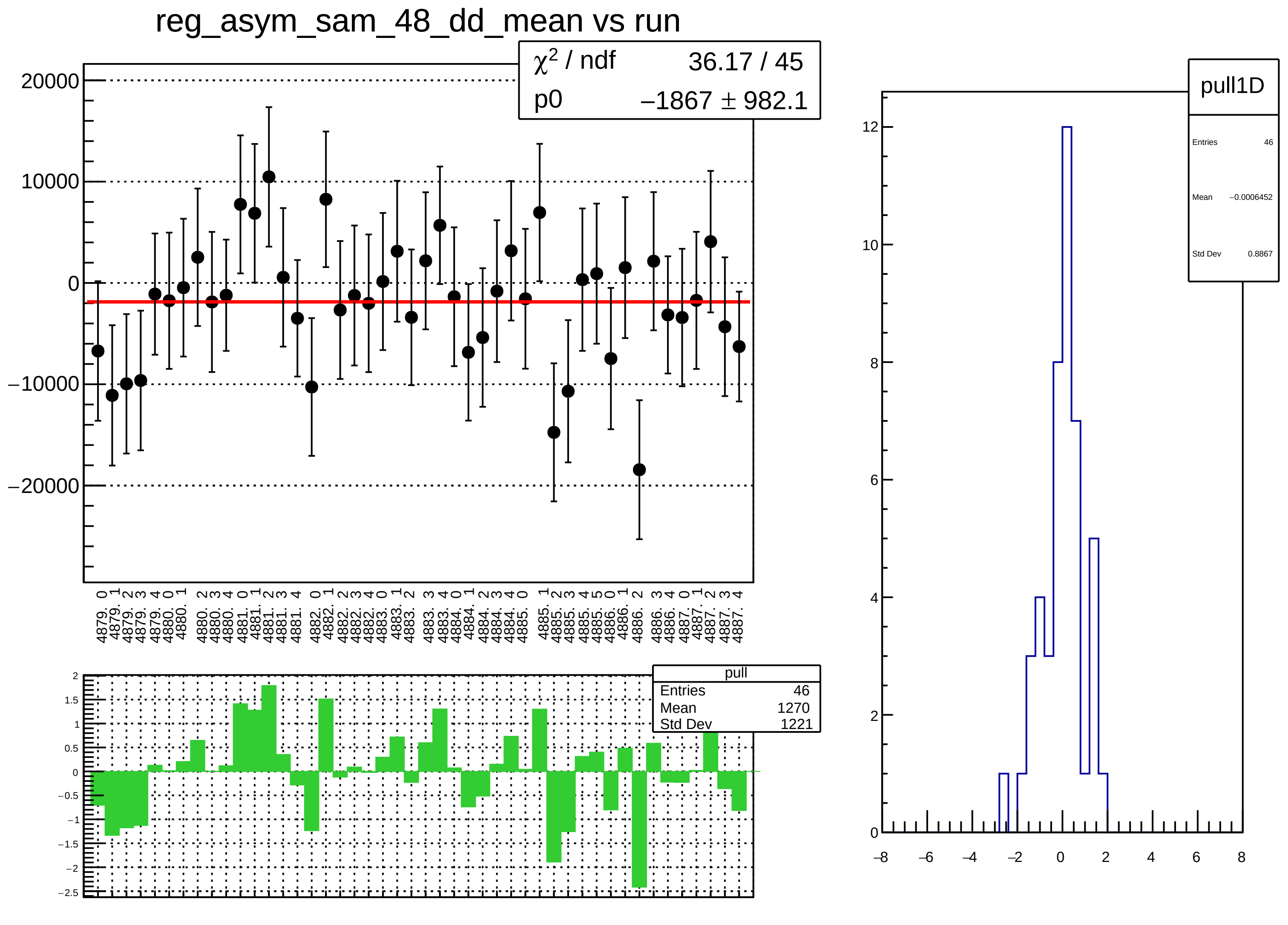
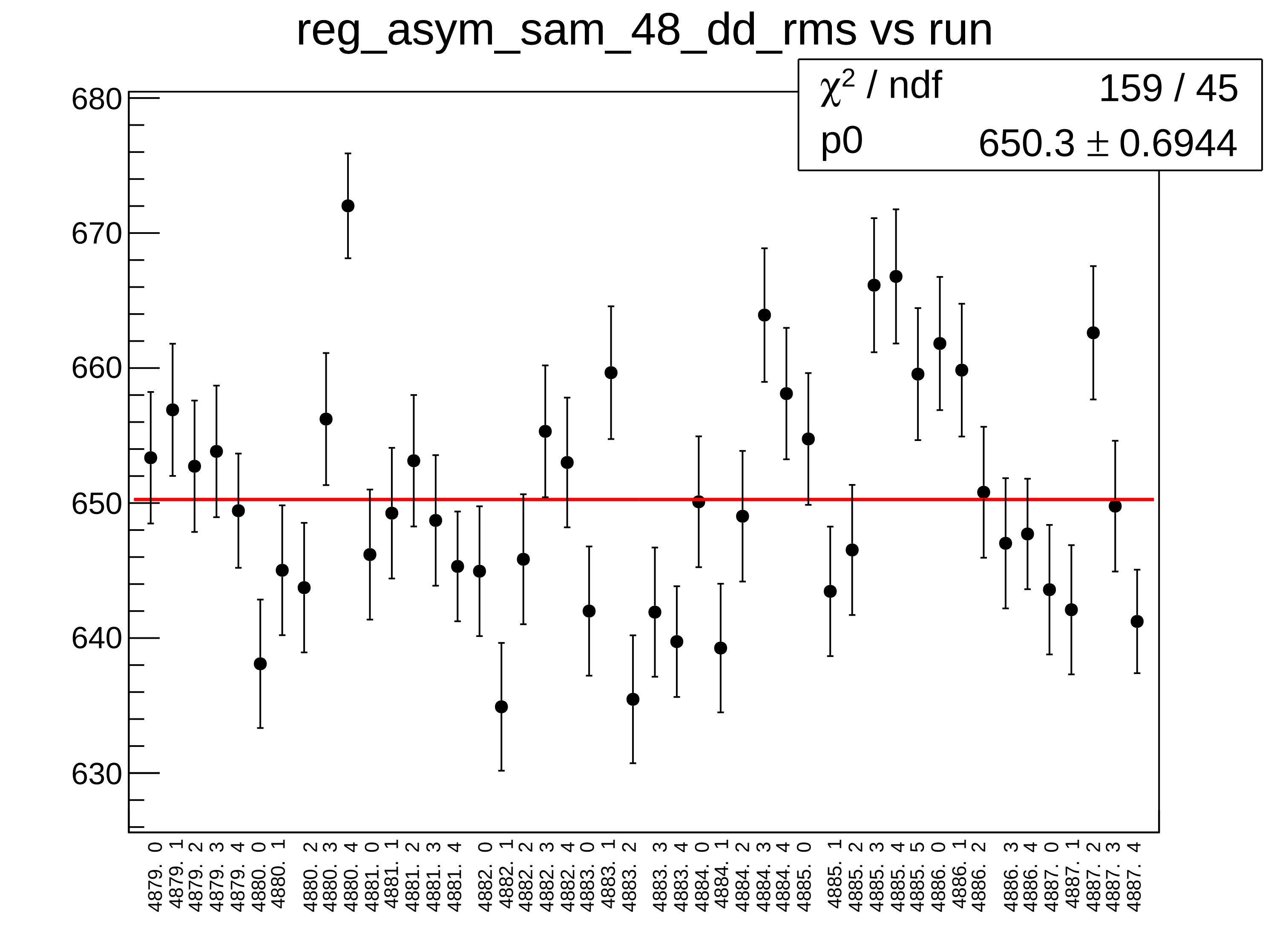
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4



reg_asym_sam_48_dd_mean vs run
χ^2 / ndf 36.17 / 45
p0 −1867 ± 982.1
20000
10000
0
−10000
−20000
pull
Entries 46
Mean 1270
Std Dev 1221
pull1D
Entries 46
Mean −0.0006452
Std Dev 0.8867



reg_asym_sam_48_dd_rms vs run
χ^2 / ndf 159 / 45
p0 650.3 ± 0.6944
680
670
660
650
640
630
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
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4883. 1
4883. 2
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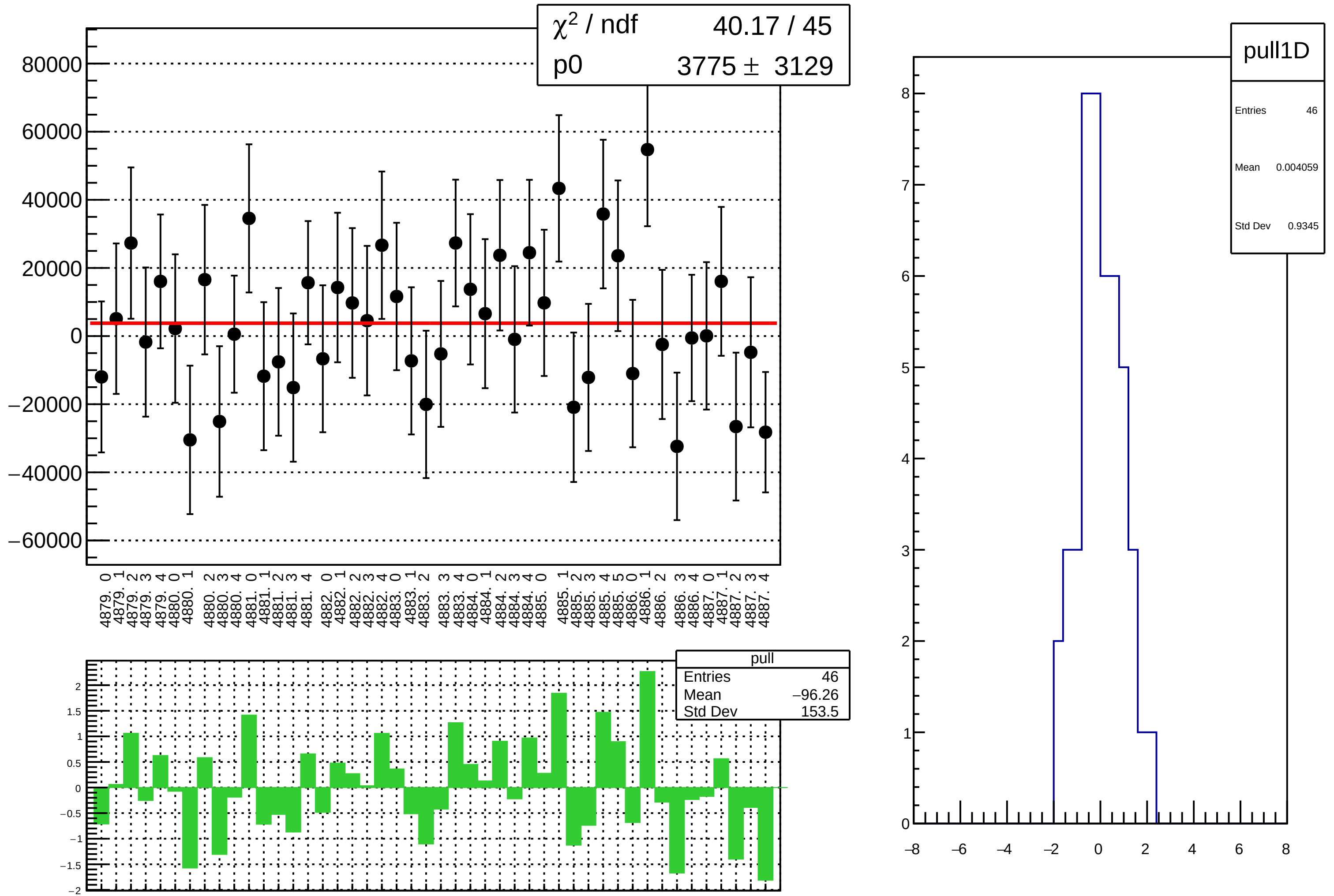
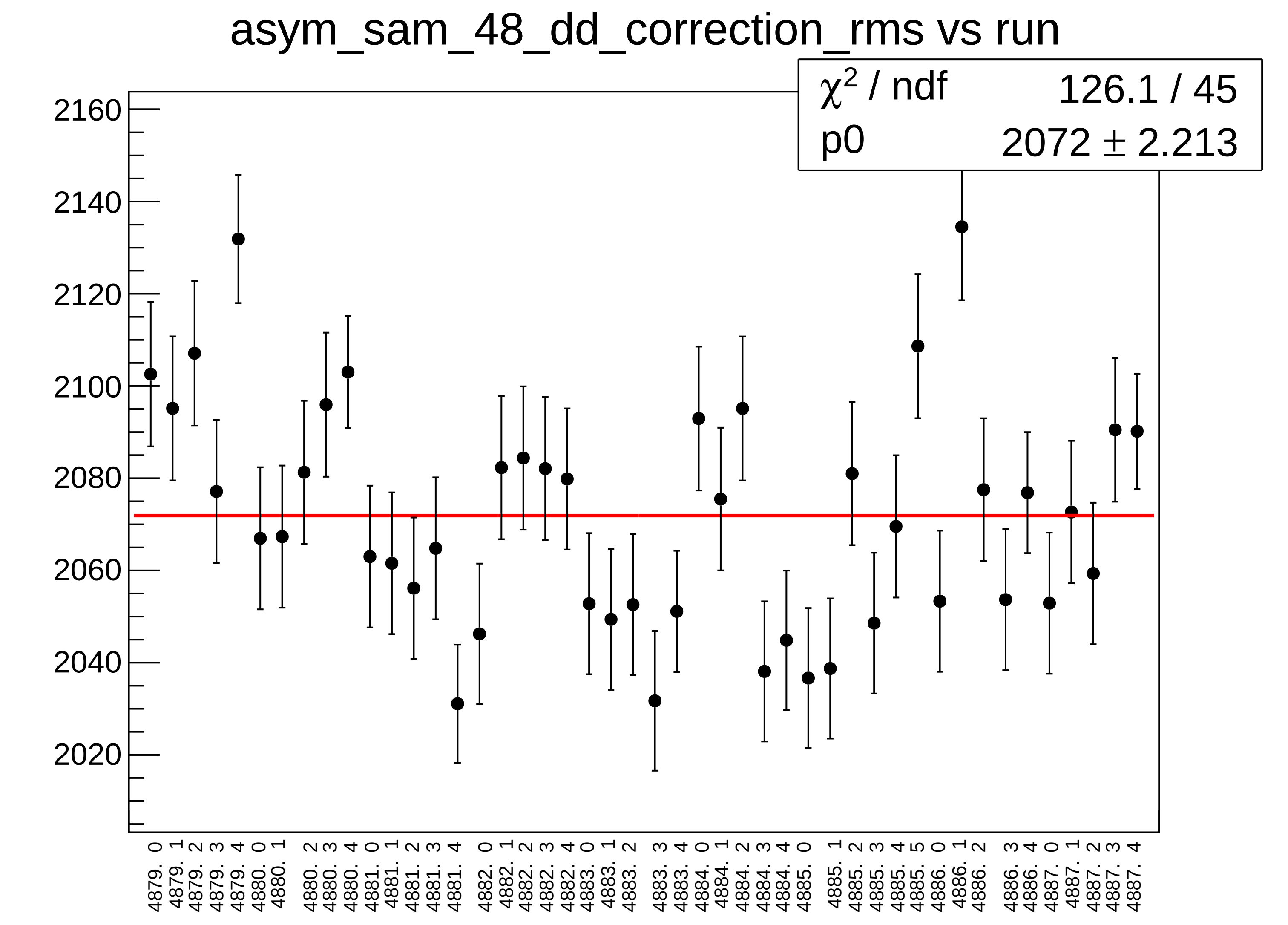
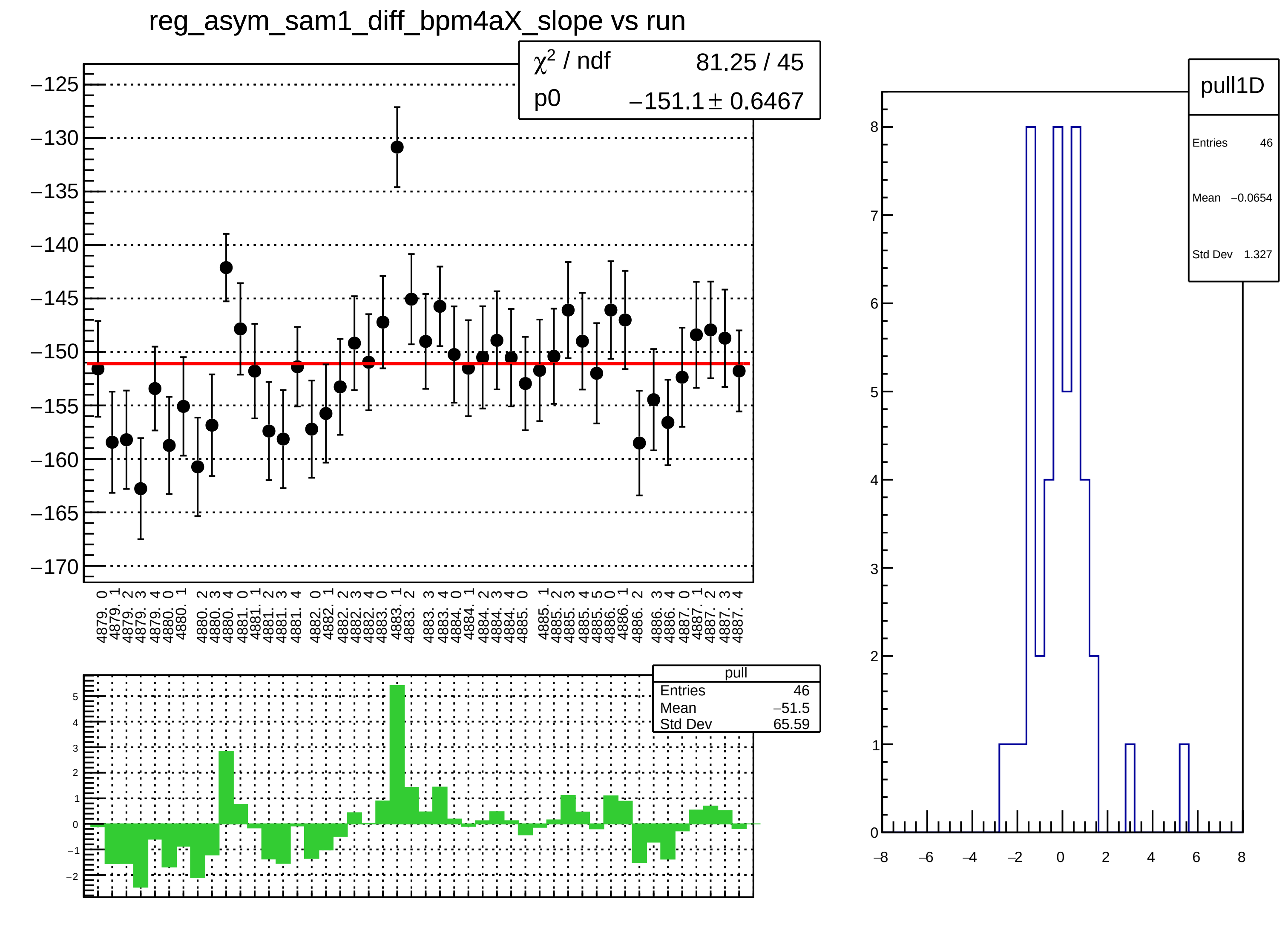
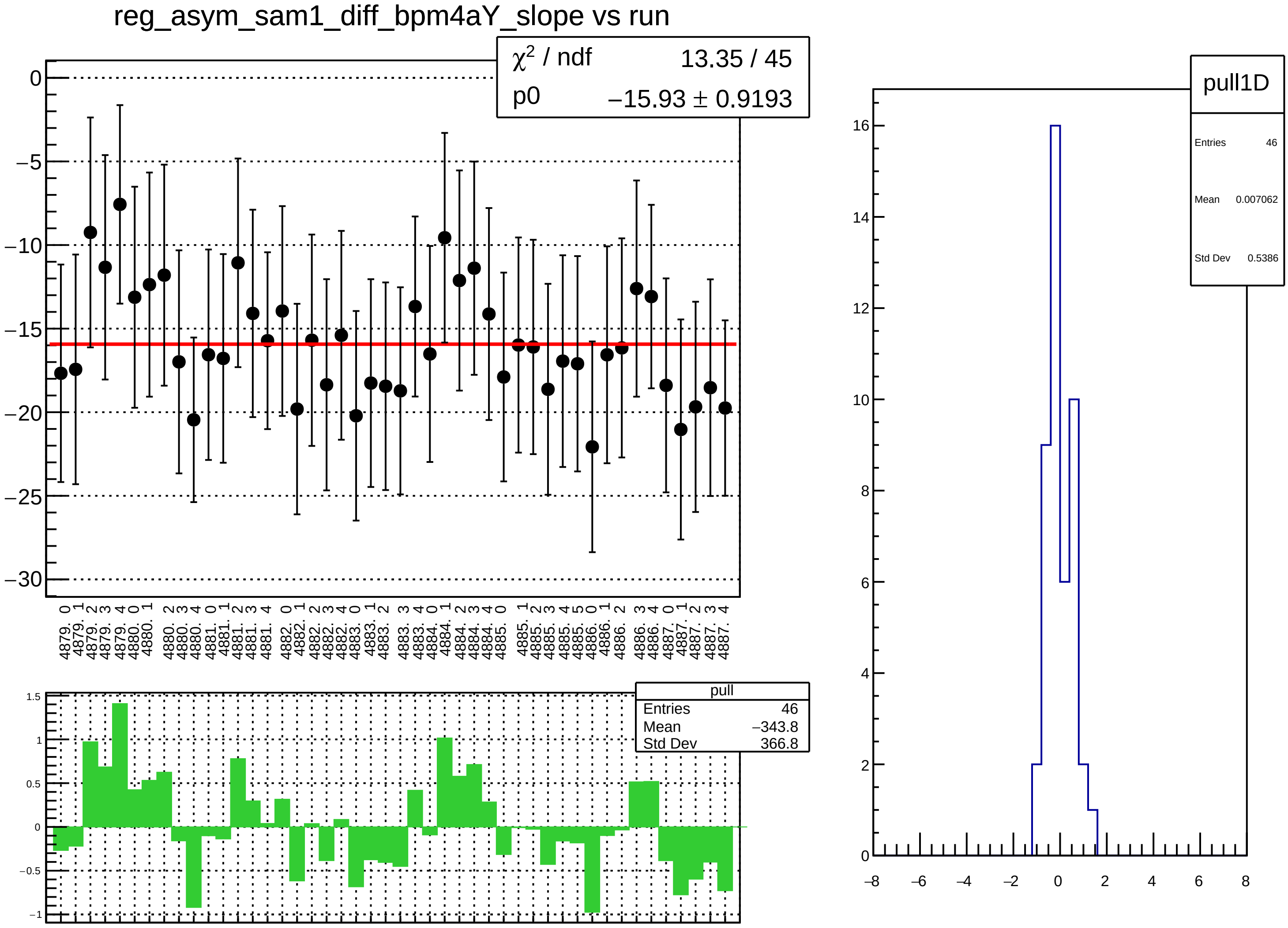
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4

asym_sam_48_dd_correction_mean vs run

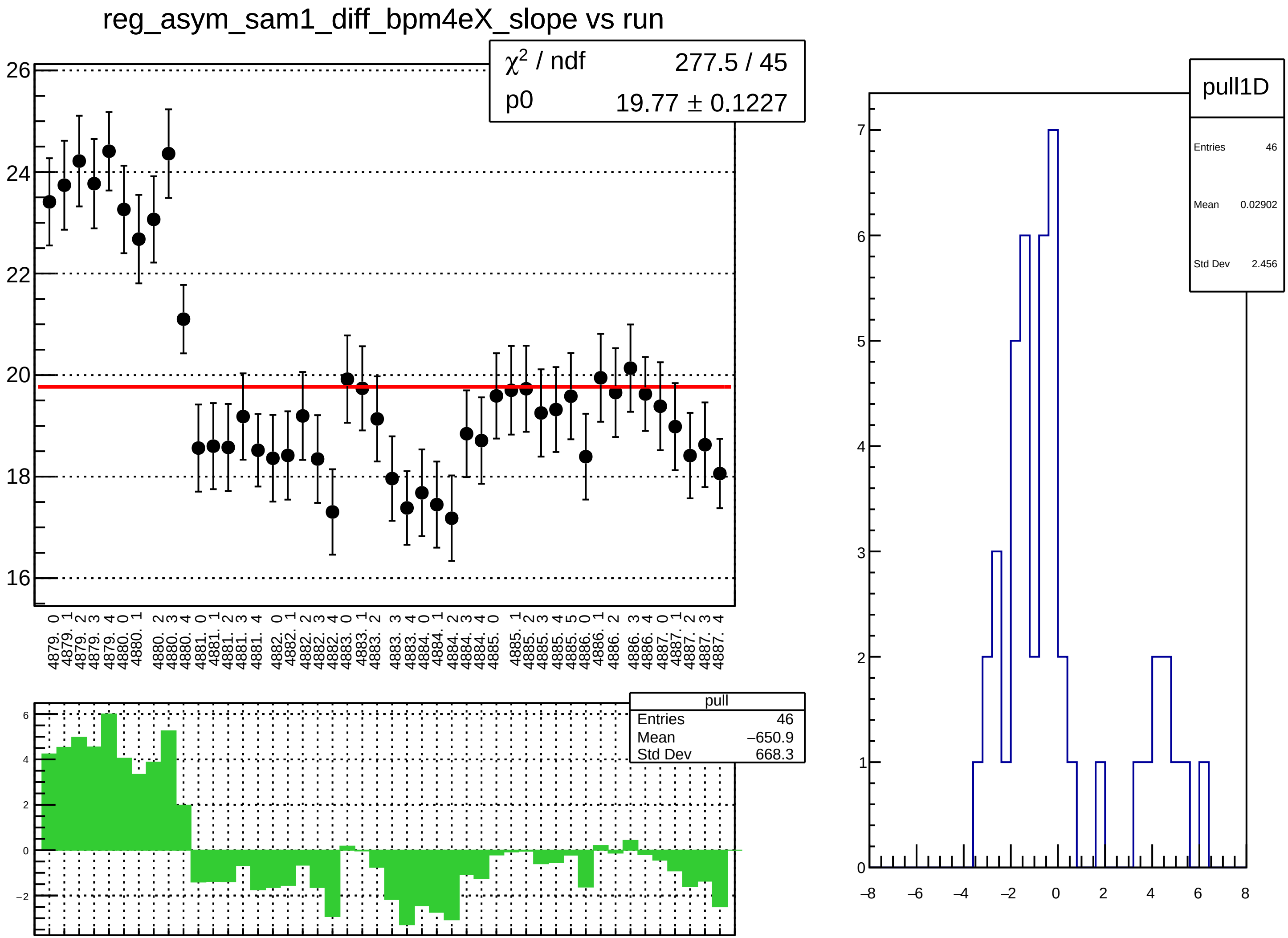



asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 126.1 / 45
p0 2072 ± 2.213
2160
2140
2120
2100
2080
2060
2040
2020


reg_asym_sam1_diff_bpm4aX_slope vs run
χ^2 / ndf 81.25 / 45
p0 −151.1 ± 0.6467
pull
Entries 46
Mean −51.5
Std Dev 65.59
pull1D
Entries 46
Mean −0.0654
Std Dev 1.327



reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 13.35 / 45
p0 −15.93 ± 0.9193
pull
Entries 46
Mean −343.8
Std Dev 366.8
pull1D
Entries 46
Mean 0.007062
Std Dev 0.5386


reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 277.5 / 45
p0 19.77 ± 0.1227
26
24
22
20
18
16
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
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4882. 0
4882. 1
4882. 2
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4883. 1
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4884. 0
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4884. 4
4885. 0
4885. 1
4885. 2
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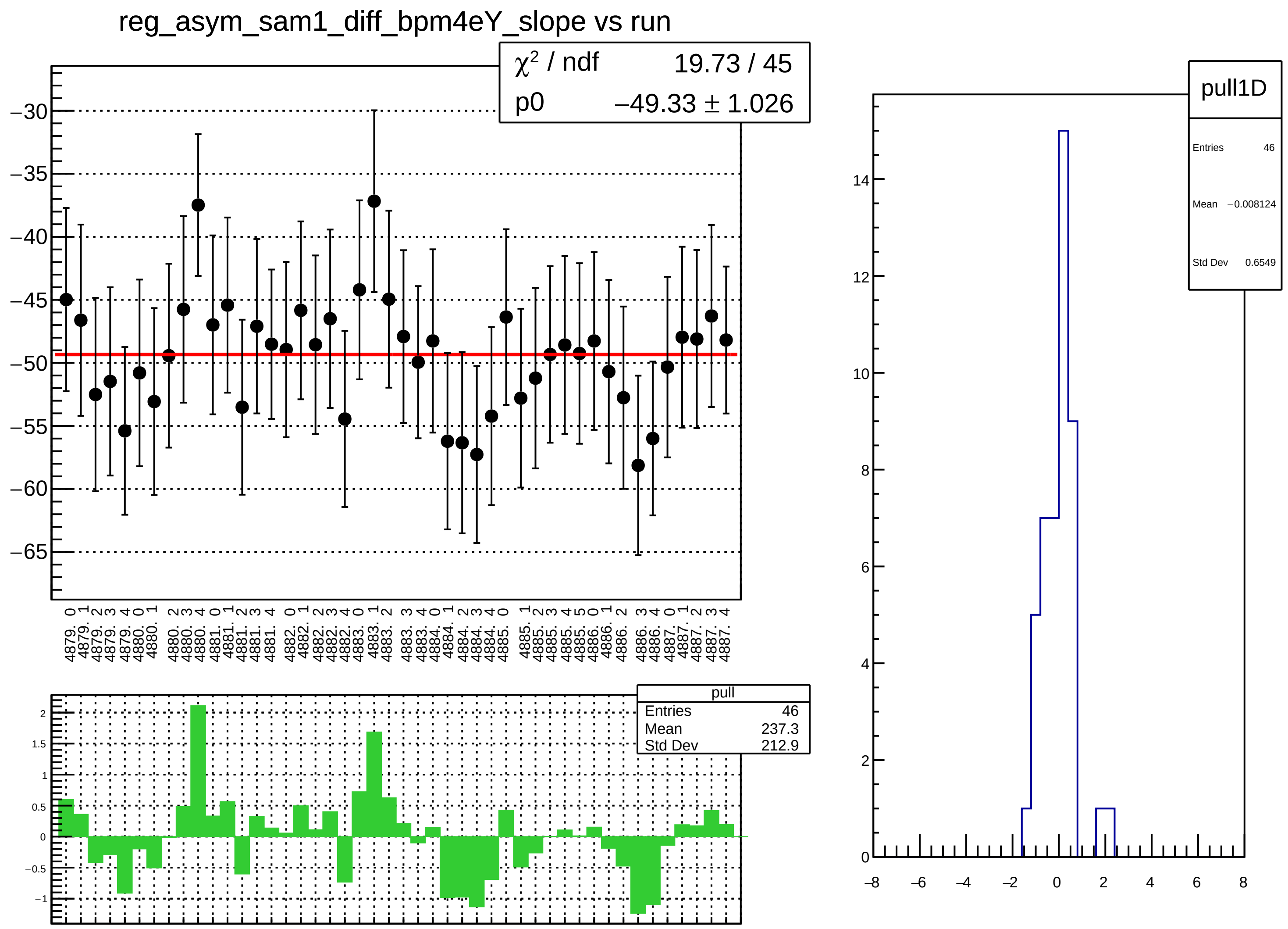
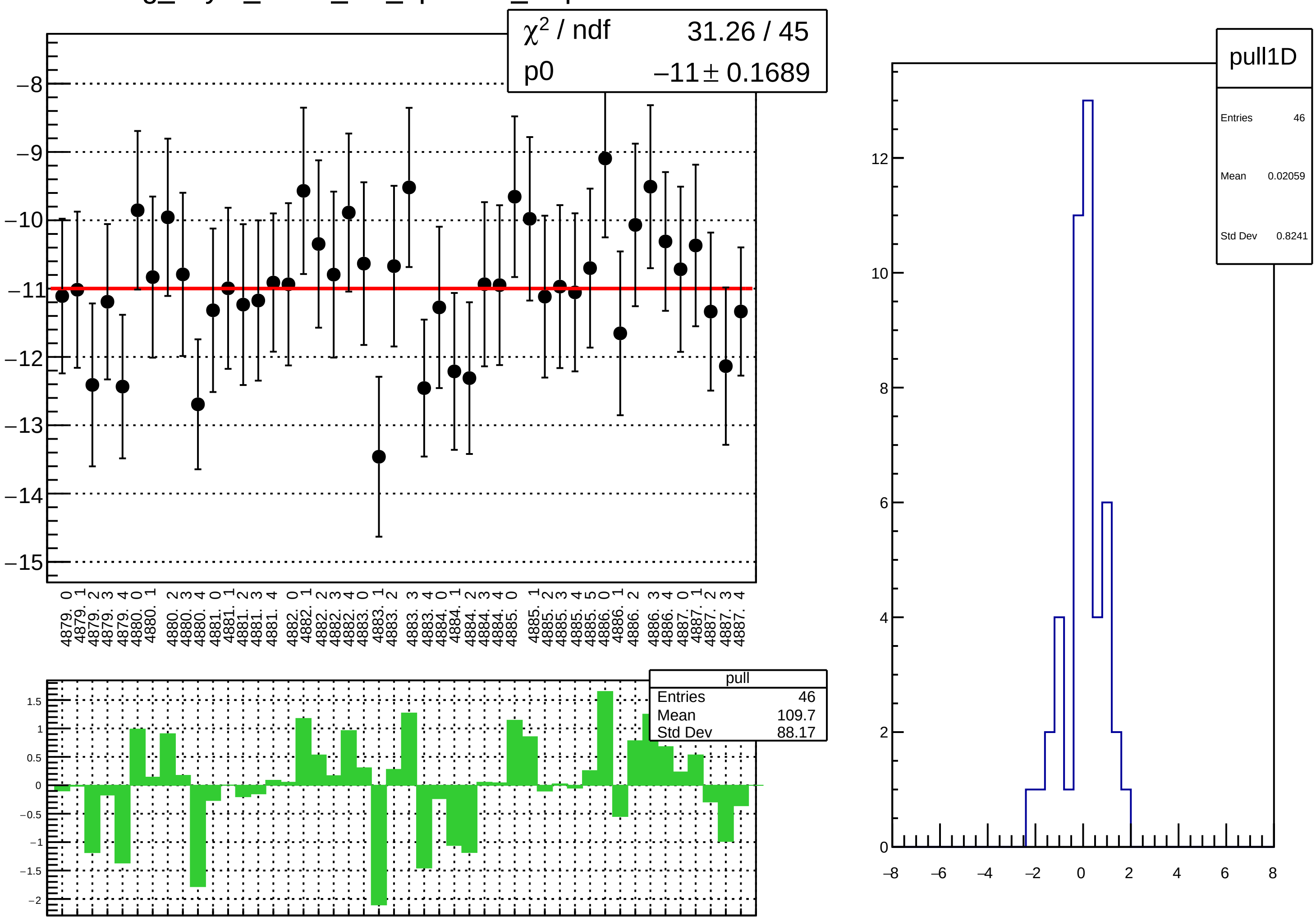
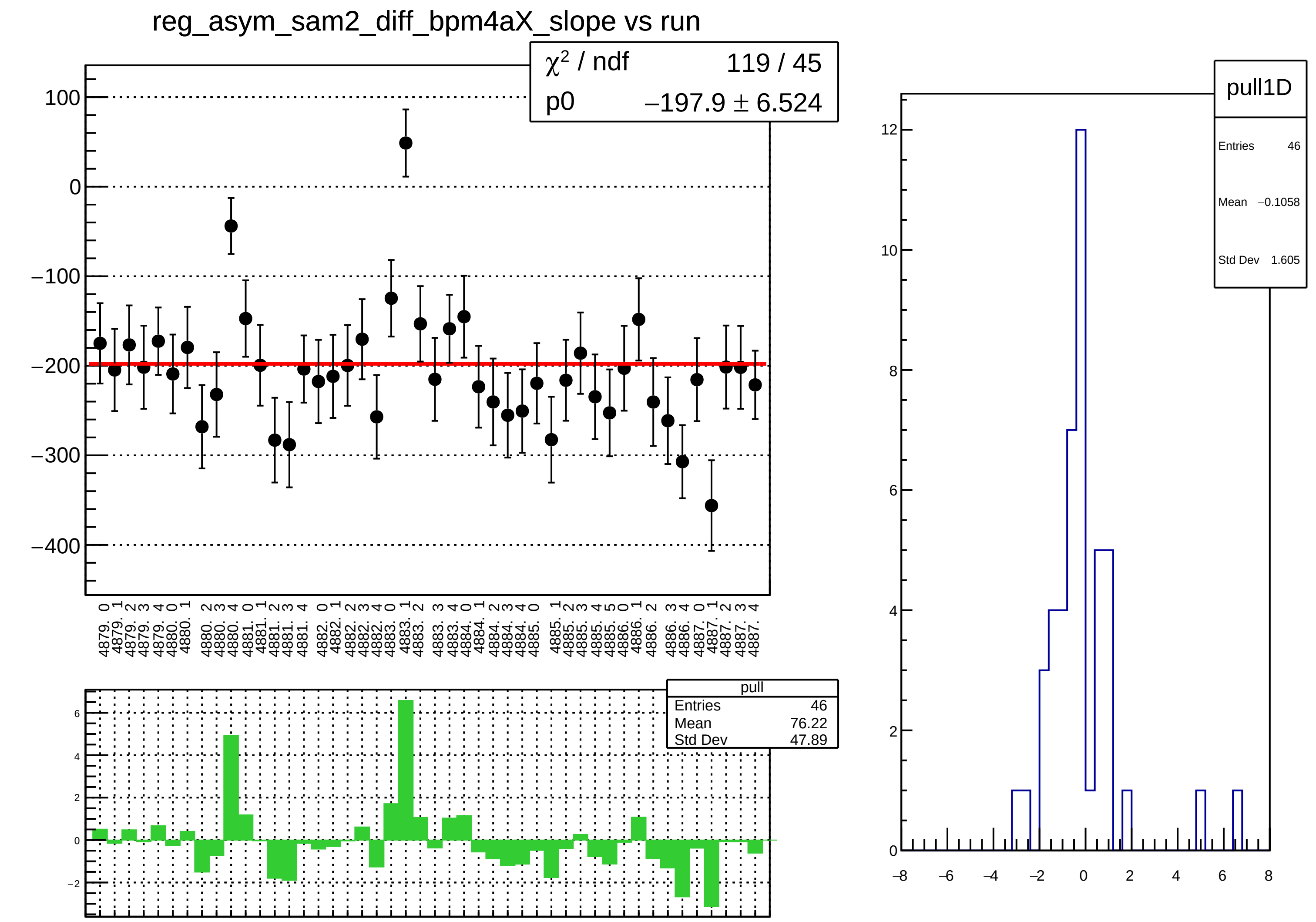
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −650.9
Std Dev 668.3
6
4
2
0
−2
pull1D
Entries 46
Mean 0.02902
Std Dev 2.456
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

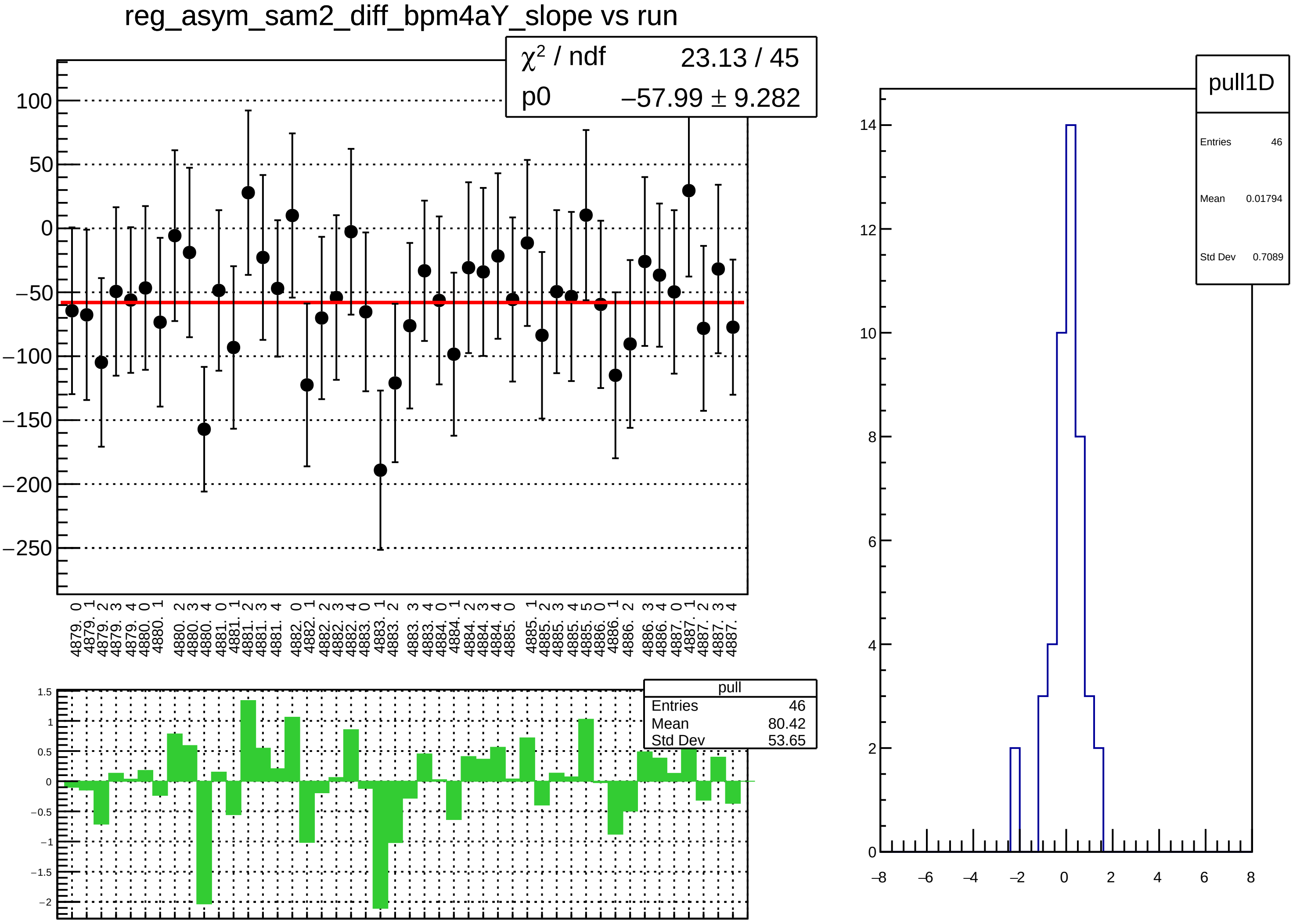


reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 19.73 / 45
p0 −49.33 ± 1.026
pull
Entries 46
Mean 237.3
Std Dev 212.9
pull1D
Entries 46
Mean −0.008124
Std Dev 0.6549

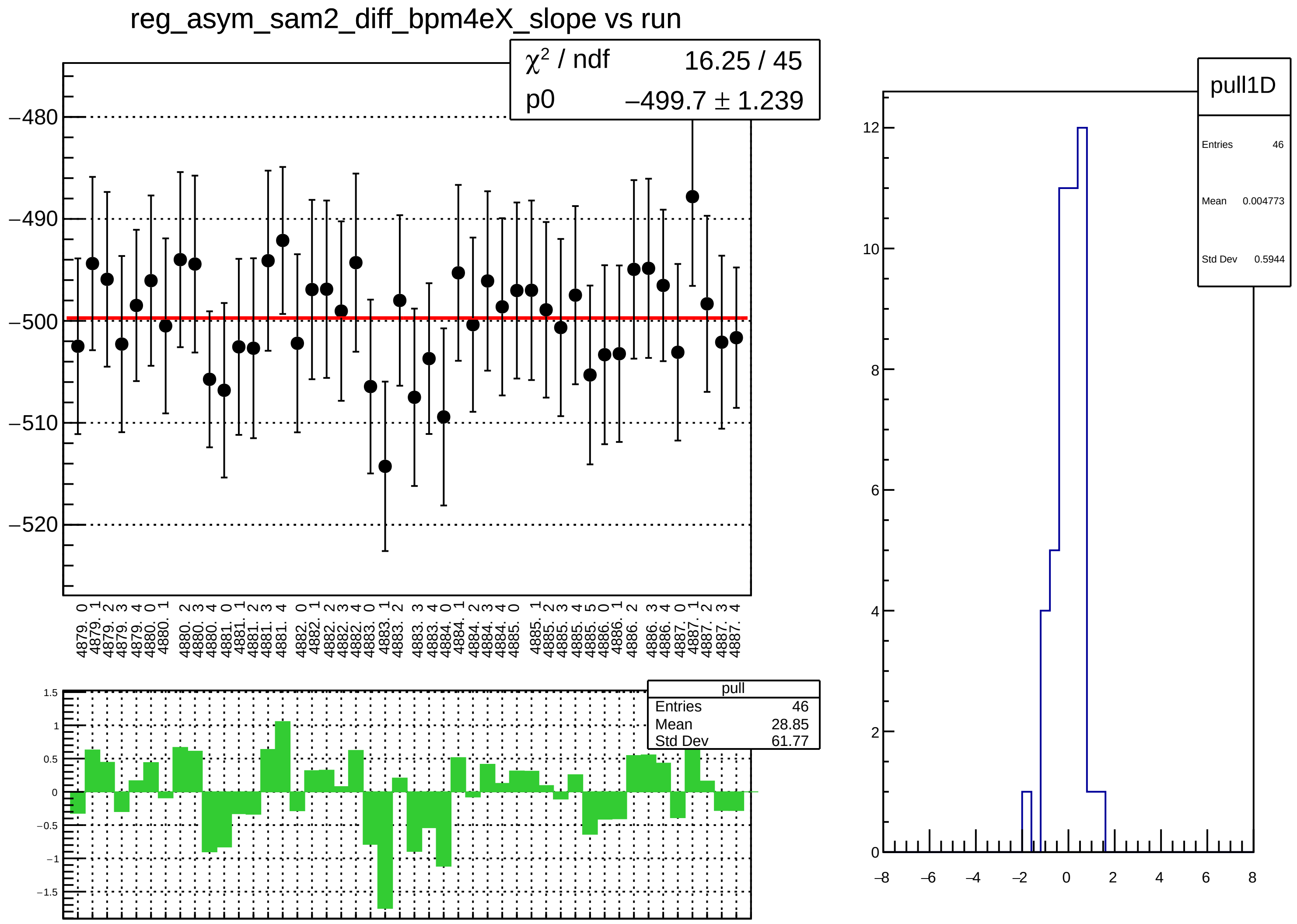
reg_asym_sam1_diff_bpm11X_slope vs run

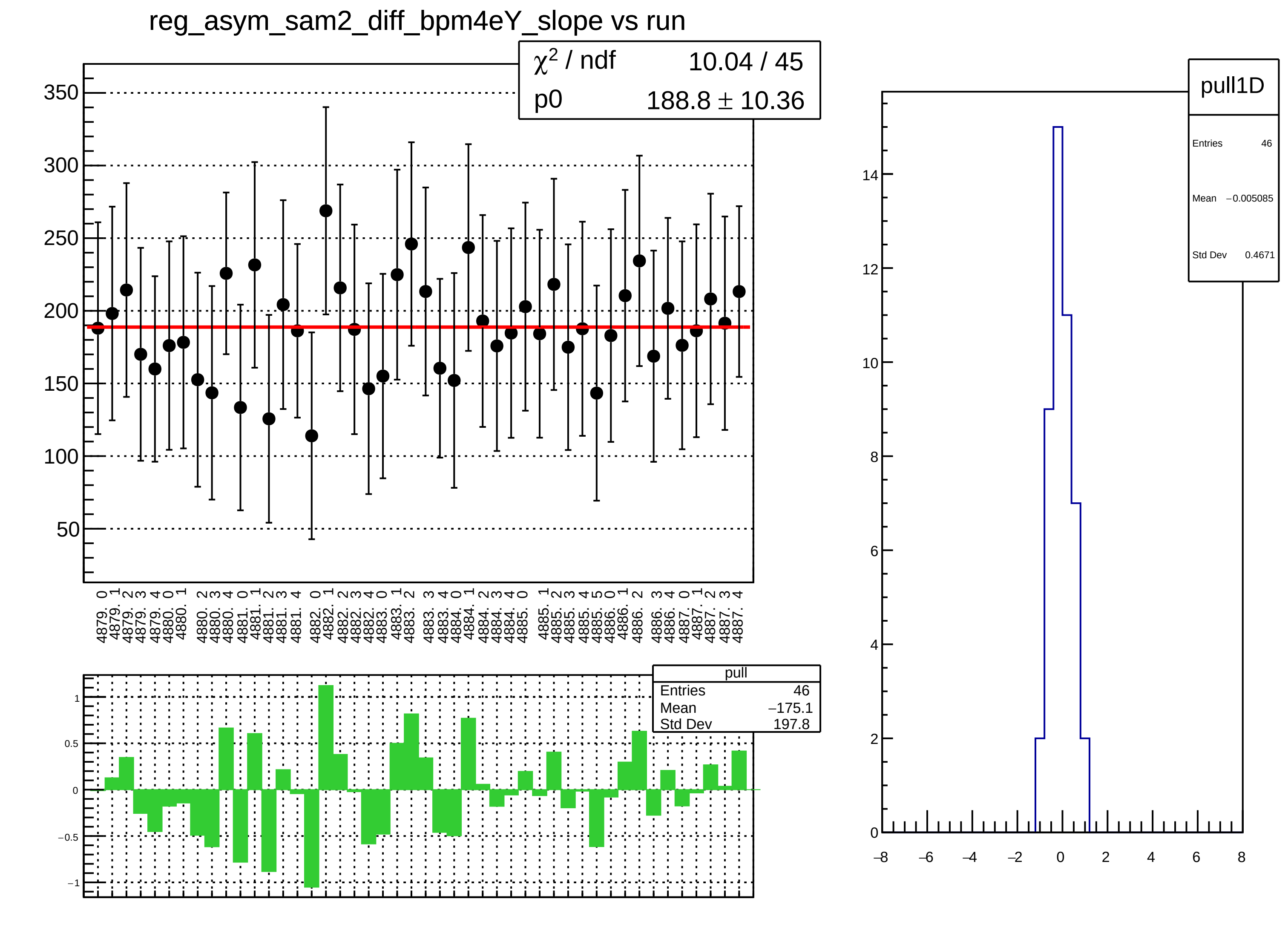



reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 119 / 45
p0 −197.9 ± 6.524
pull
Entries 46
Mean 76.22
Std Dev 47.89
pull1D
Entries 46
Mean −0.1058
Std Dev 1.605

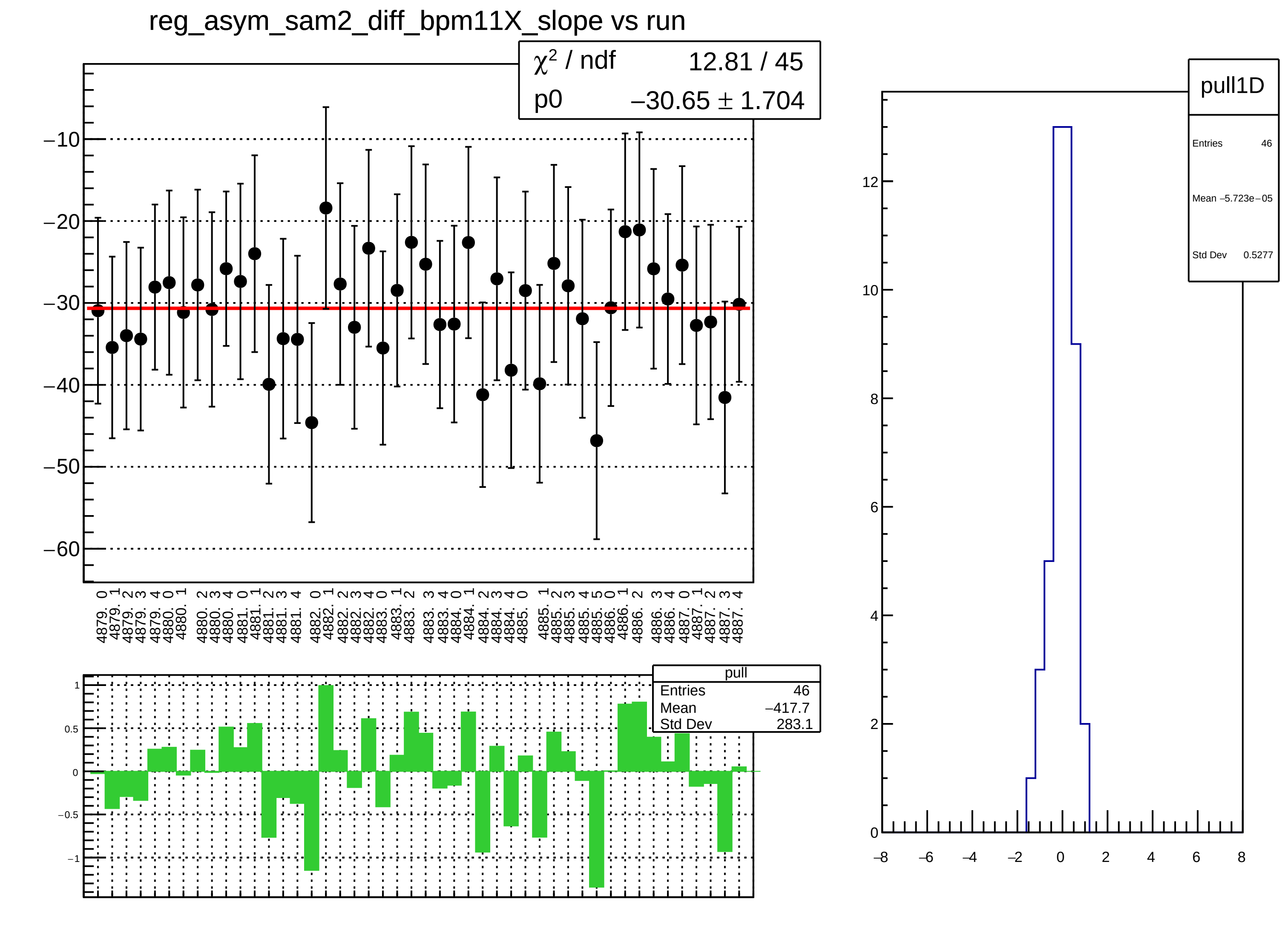


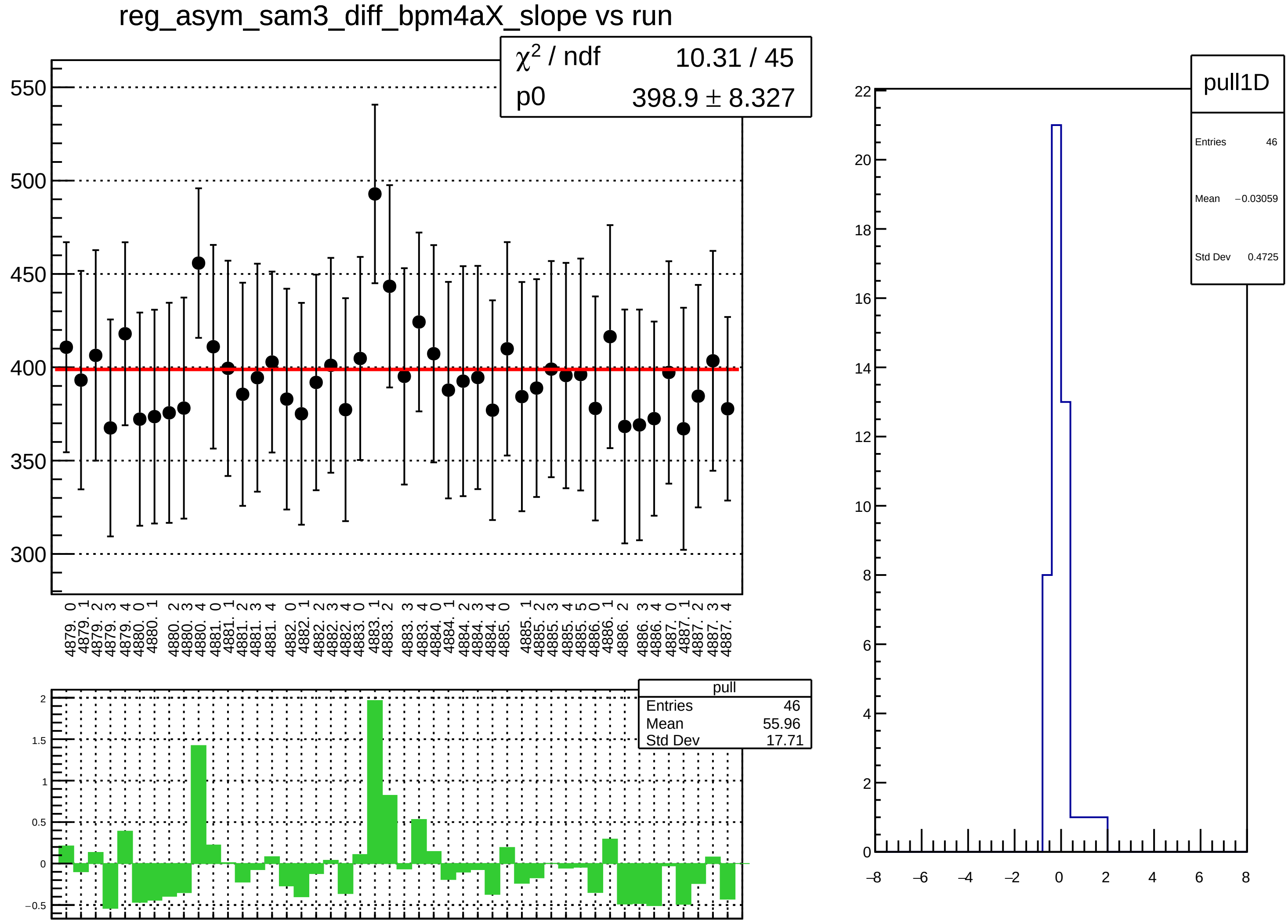
reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 23.13 / 45
p0 −57.99 ± 9.282
pull
Entries 46
Mean 80.42
Std Dev 53.65
pull1D
Entries 46
Mean 0.01794
Std Dev 0.7089


reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 16.25 / 45
p0 −499.7 ± 1.239
pull
Entries 46
Mean 28.85
Std Dev 61.77
pull1D
Entries 46
Mean 0.004773
Std Dev 0.5944

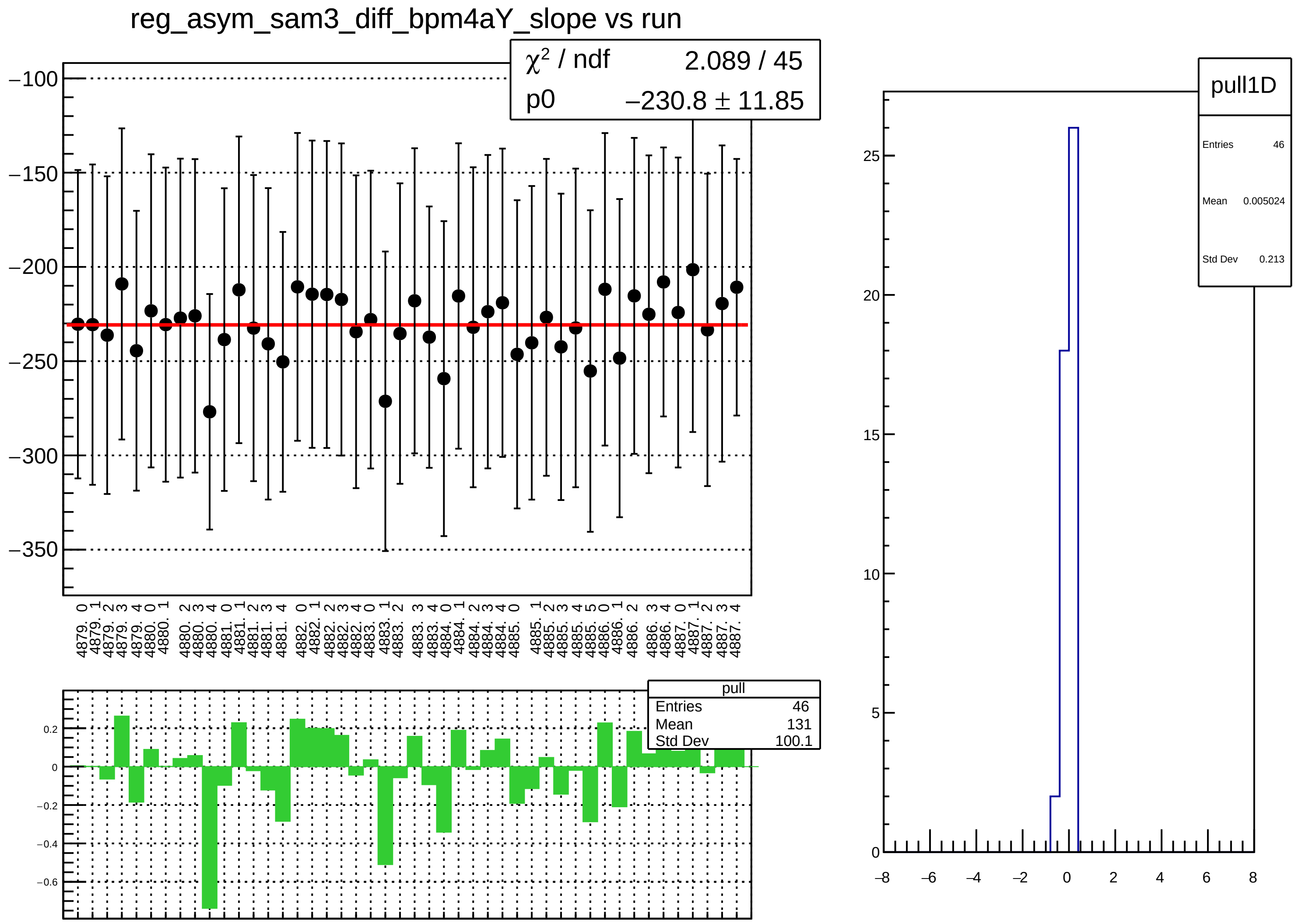


reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 10.04 / 45
p0 188.8 ± 10.36
pull
Entries 46
Mean −175.1
Std Dev 197.8
pull1D
Entries 46
Mean −0.005085
Std Dev 0.4671

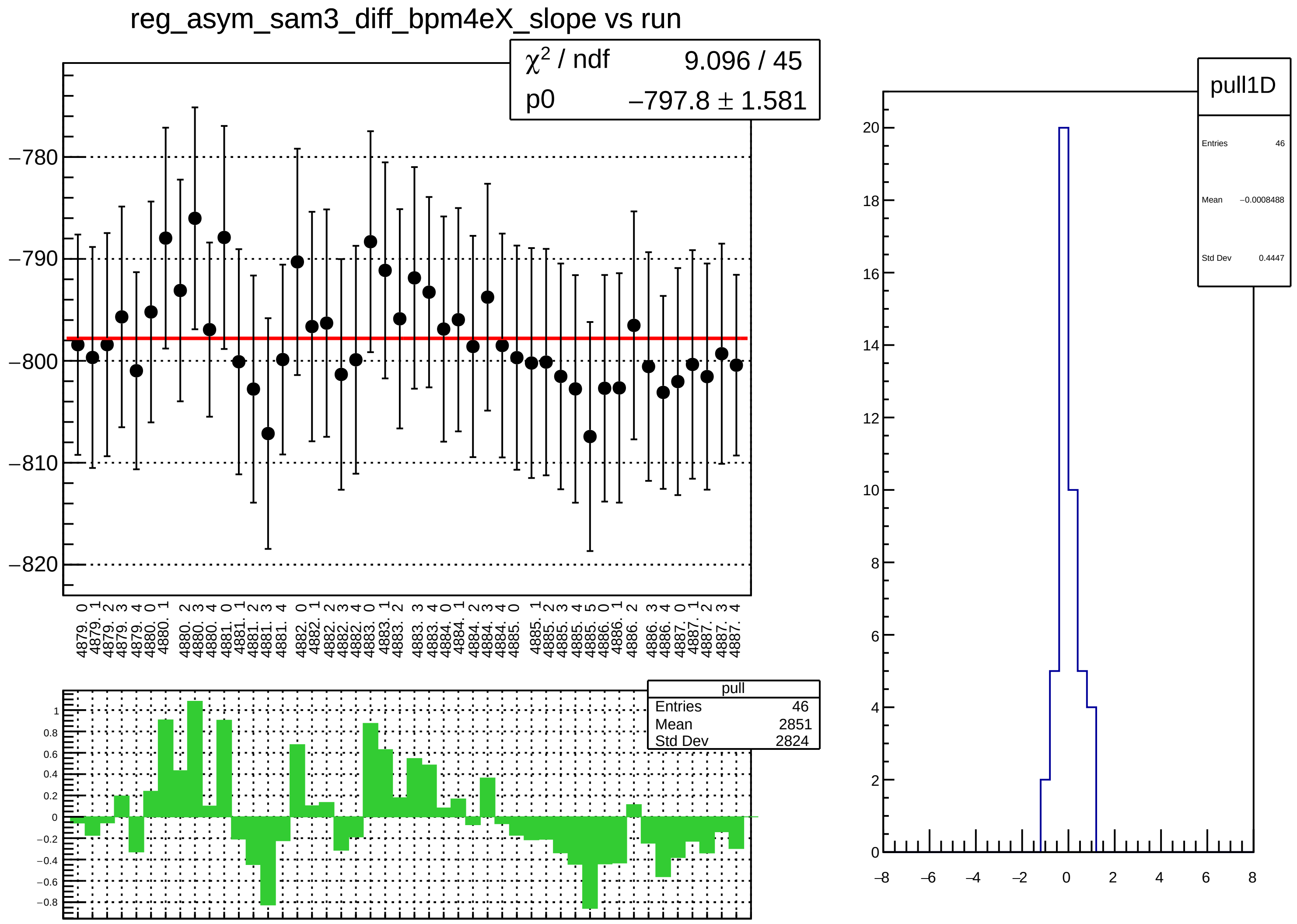

reg_asym_sam2_diff_bpm11X_slope vs run
χ^2 / ndf 12.81 / 45
p0 −30.65 ± 1.704
pull
Entries 46
Mean −417.7
Std Dev 283.1
pull1D
Entries 46
Mean −5.723e−05
Std Dev 0.5277

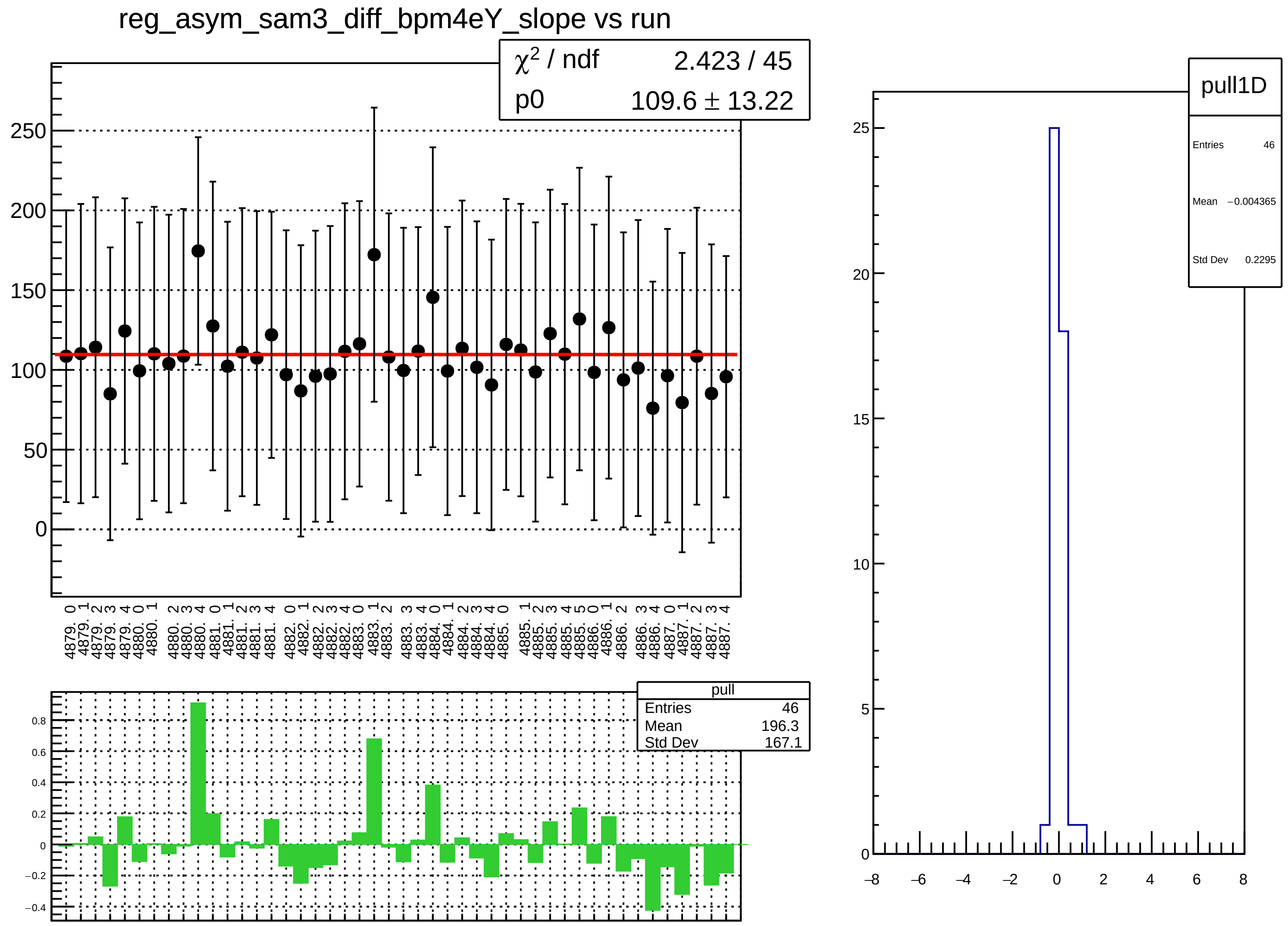


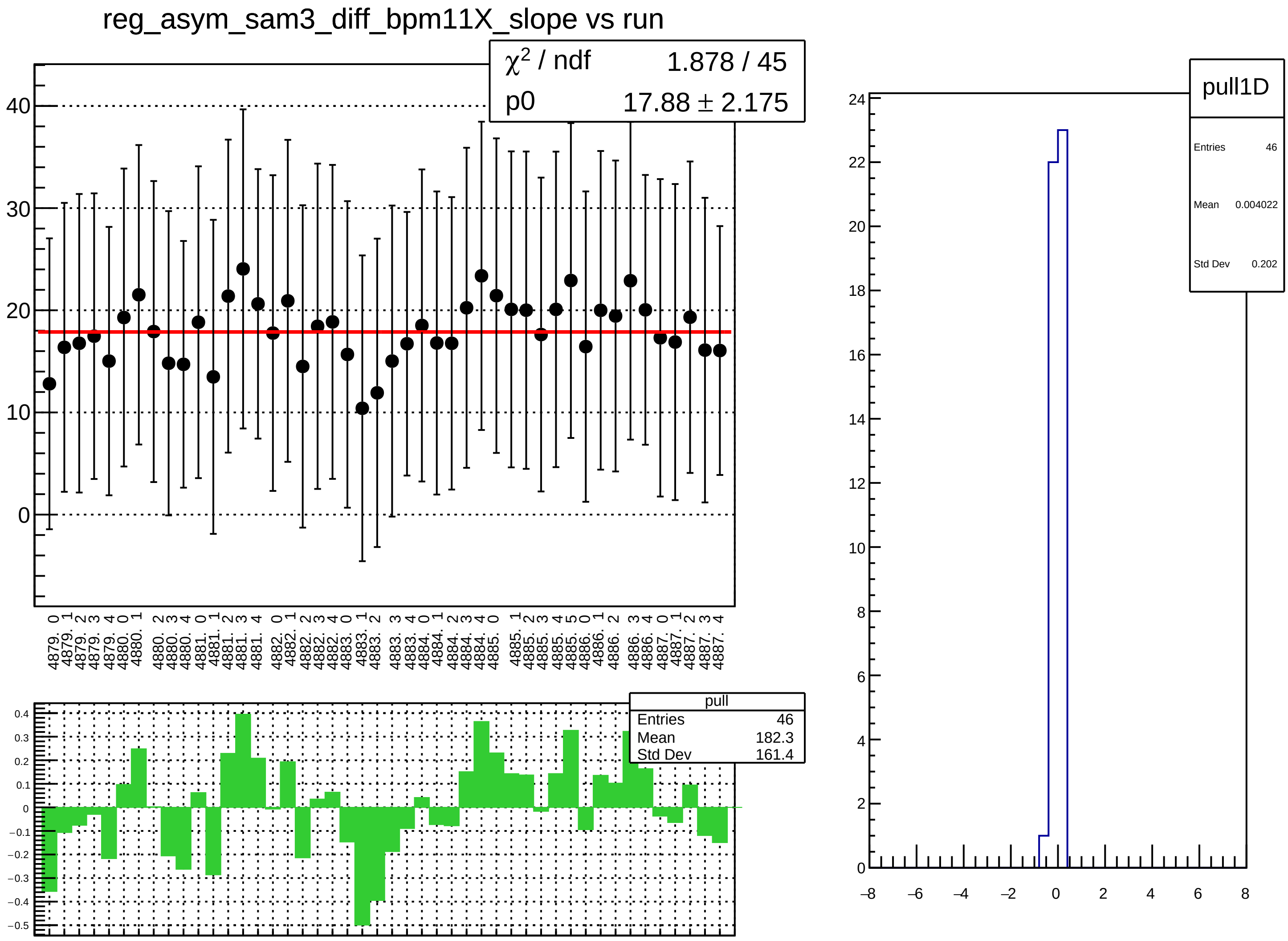
reg_asym_sam3_diff_bpm4aX_slope vs run
χ^2 / ndf 10.31 / 45
p0 398.9 ± 8.327
pull
Entries 46
Mean 55.96
Std Dev 17.71
pull1D
Entries 46
Mean −0.03059
Std Dev 0.4725



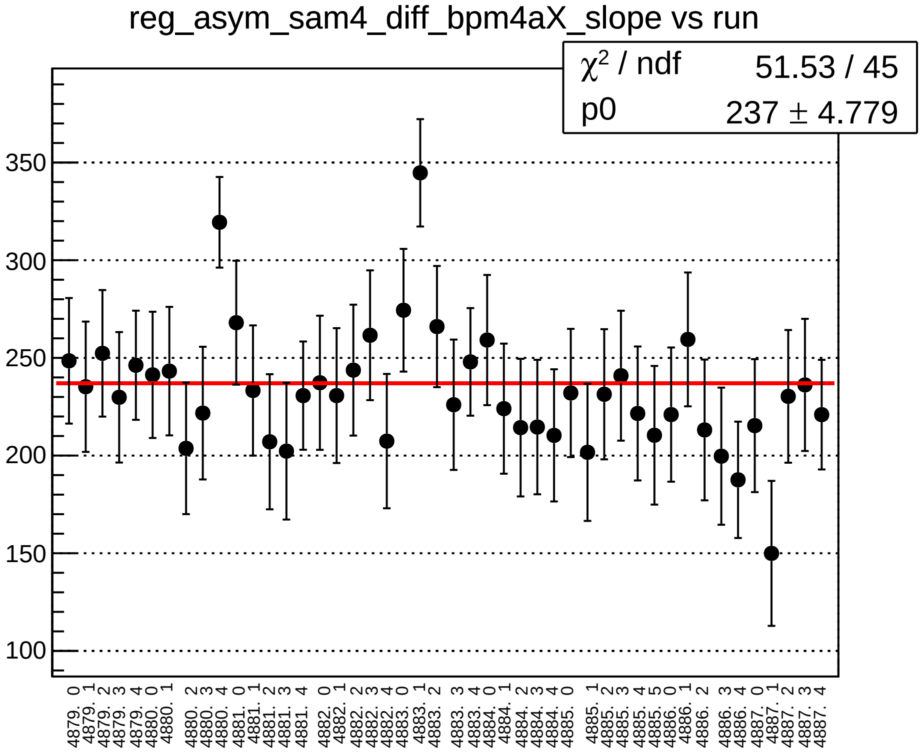
reg_asym_sam3_diff_bpm4aY_slope vs run
χ2 / ndf 2.089 / 45
p0 −230.8 ± 11.85
pull
Entries 46
Mean 131
Std Dev 100.1
pull1D
Entries 46
Mean 0.005024
Std Dev 0.213


reg_asym_sam3_diff_bpm4eX_slope vs run
χ2 / ndf 9.096 / 45
p0 −797.8 ± 1.581
pull
Entries 46
Mean 2851
Std Dev 2824
pull1D
Entries 46
Mean −0.0008488
Std Dev 0.4447

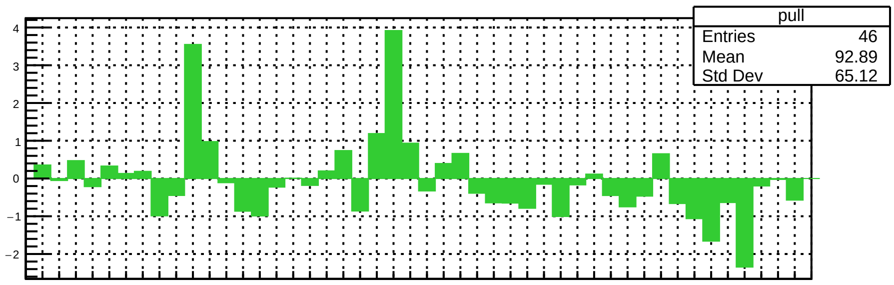

reg_asym_sam3_diff_bpm4eY_slope vs run
χ2 / ndf 2.423 / 45
p0 109.6 ± 13.22
pull
Entries 46
Mean 196.3
Std Dev 167.1
pull1D
Entries 46
Mean −0.004365
Std Dev 0.2295



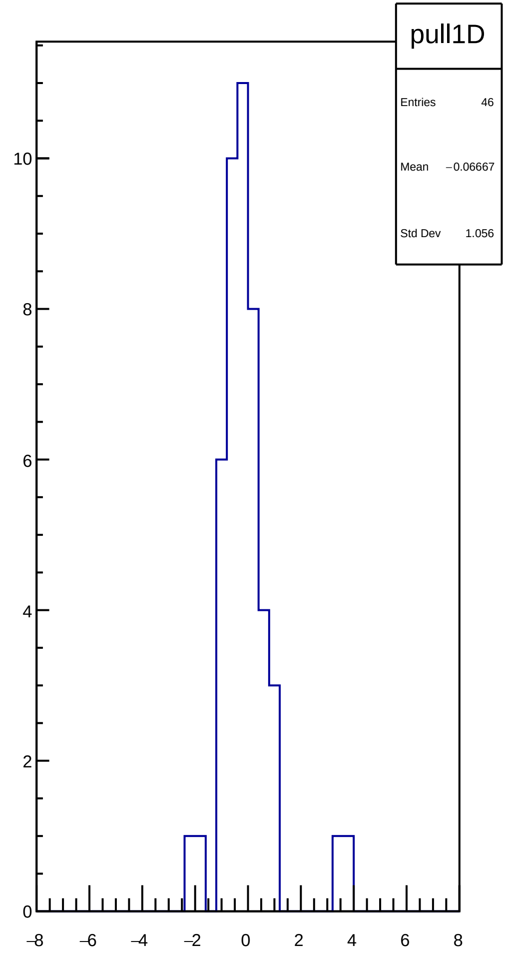
reg_asym_sam3_diff_bpm11X_slope vs run
χ2 / ndf 1.878 / 45
p0 17.88 ± 2.175
pull
Entries 46
Mean 182.3
Std Dev 161.4
pull1D
Entries 46
Mean 0.004022
Std Dev 0.202



reg_asym_sam4_diff_bpm4aX_slope vs run
χ2 / ndf 51.53 / 45
p0 237 ± 4.779

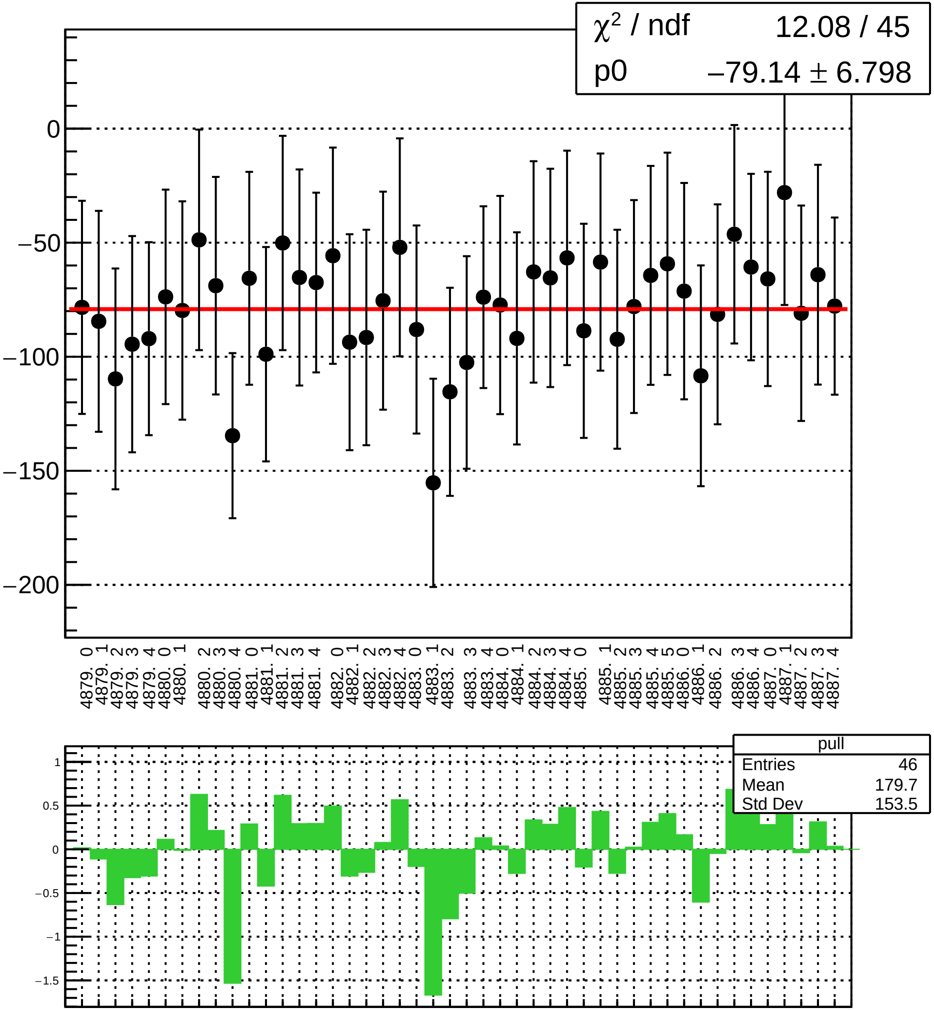


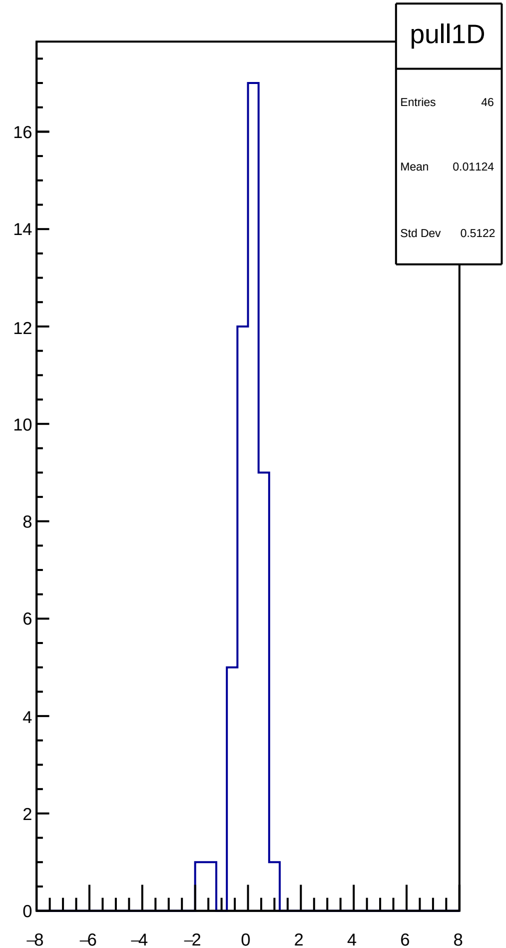
pull
Entries 46
Mean 92.89
Std Dev 65.12

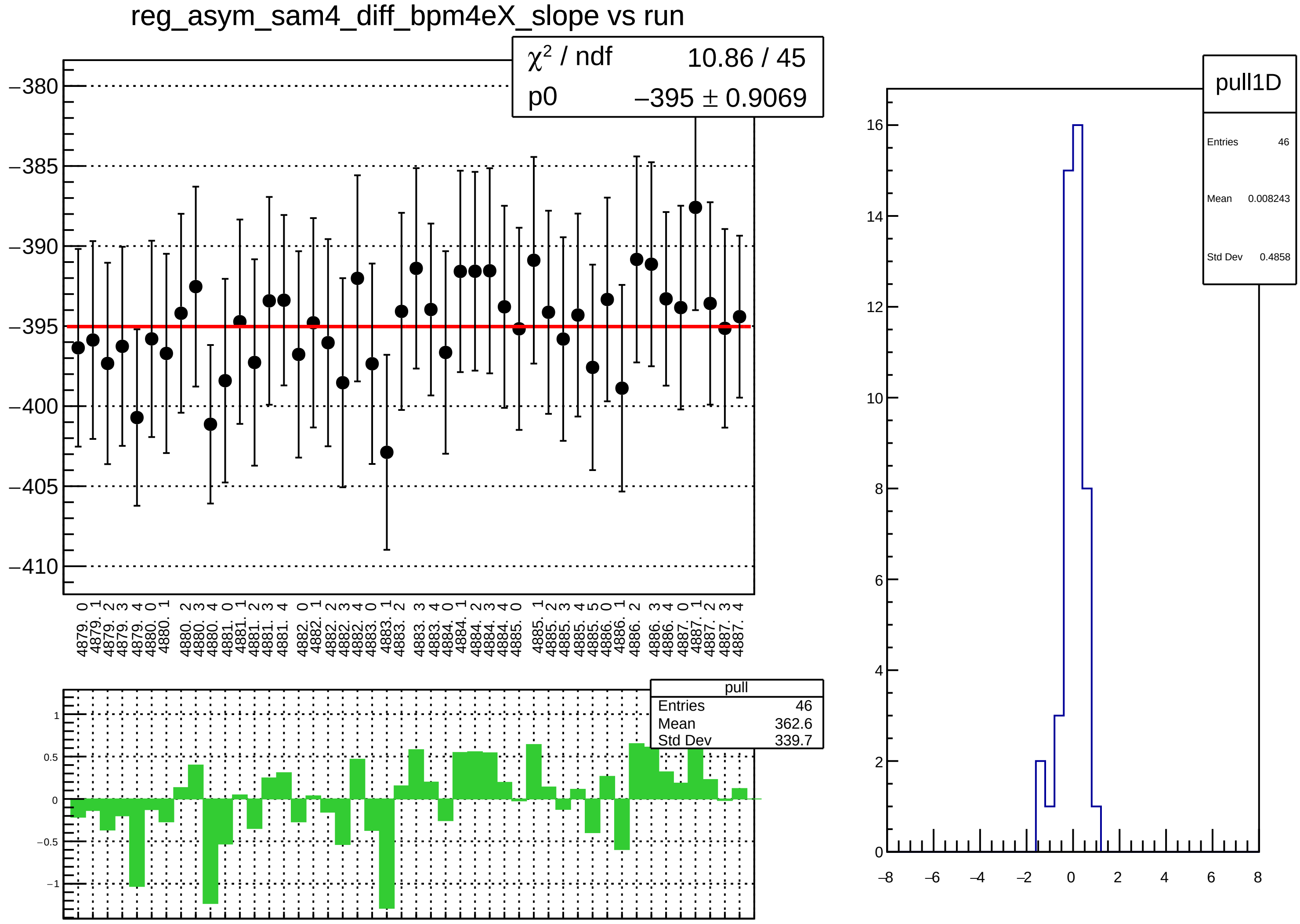


pull1D
Entries 46
Mean −0.06667
Std Dev 1.056

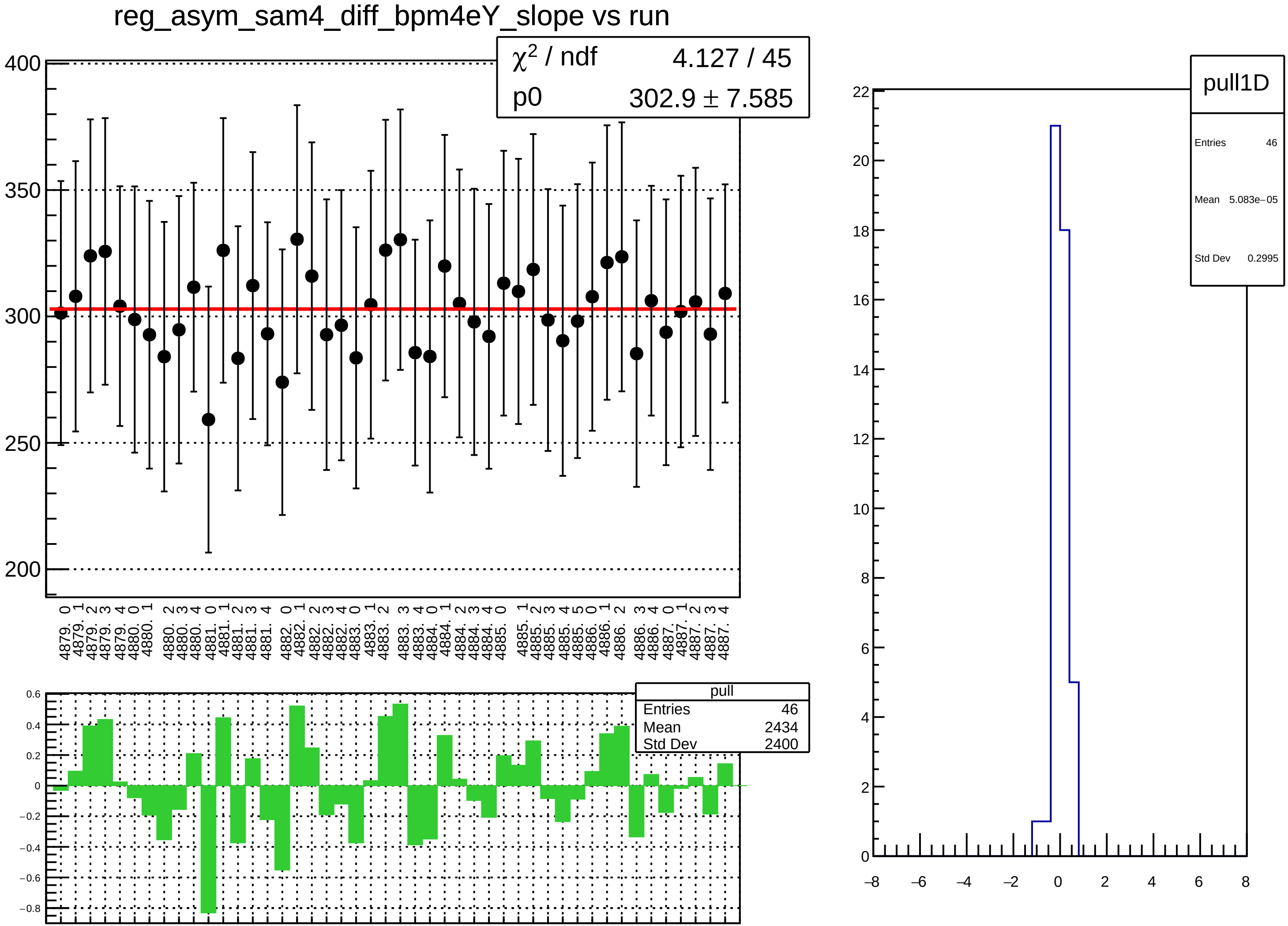
reg_asym_sam4_diff_bpm4aY_slope vs run



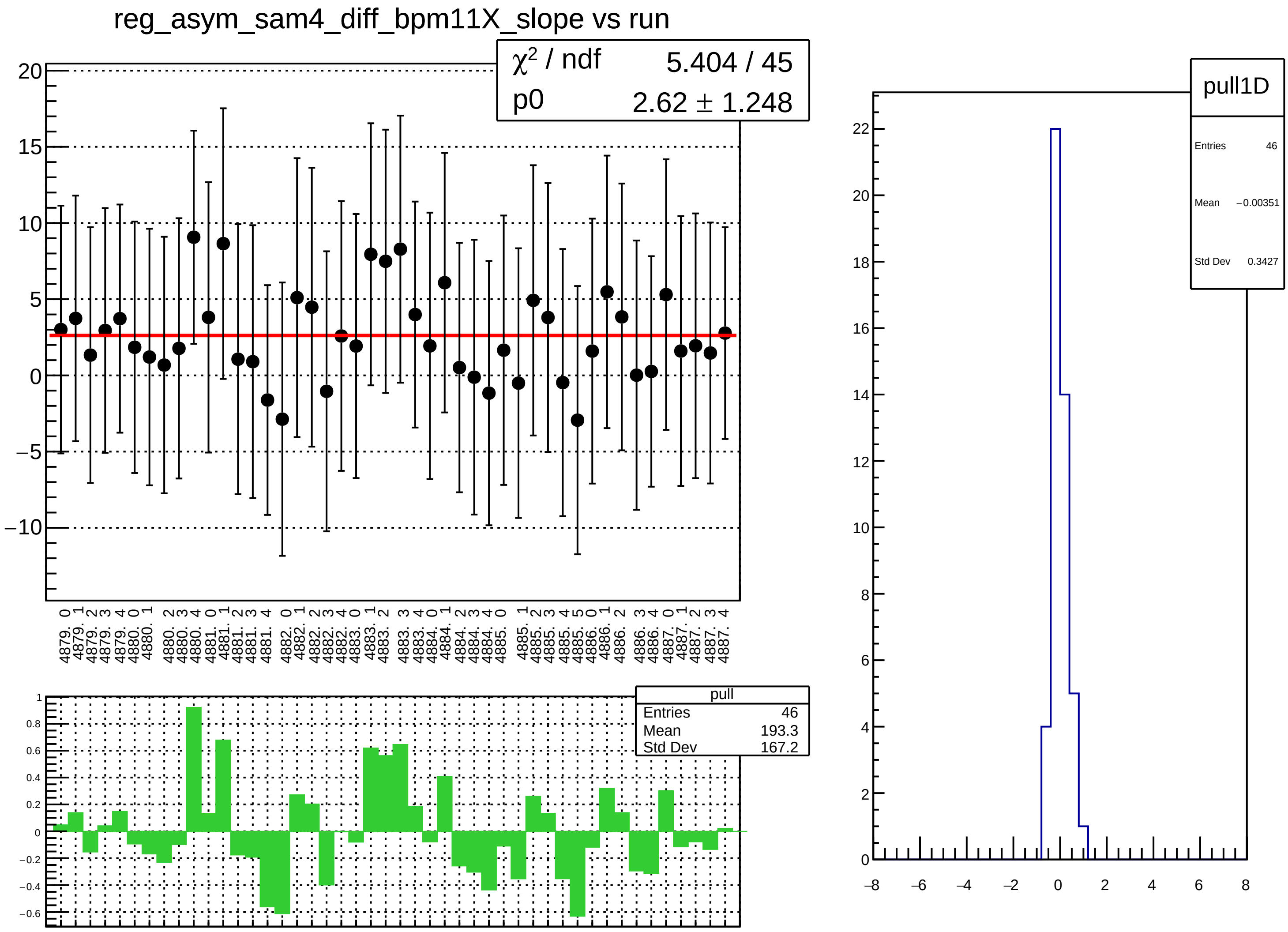


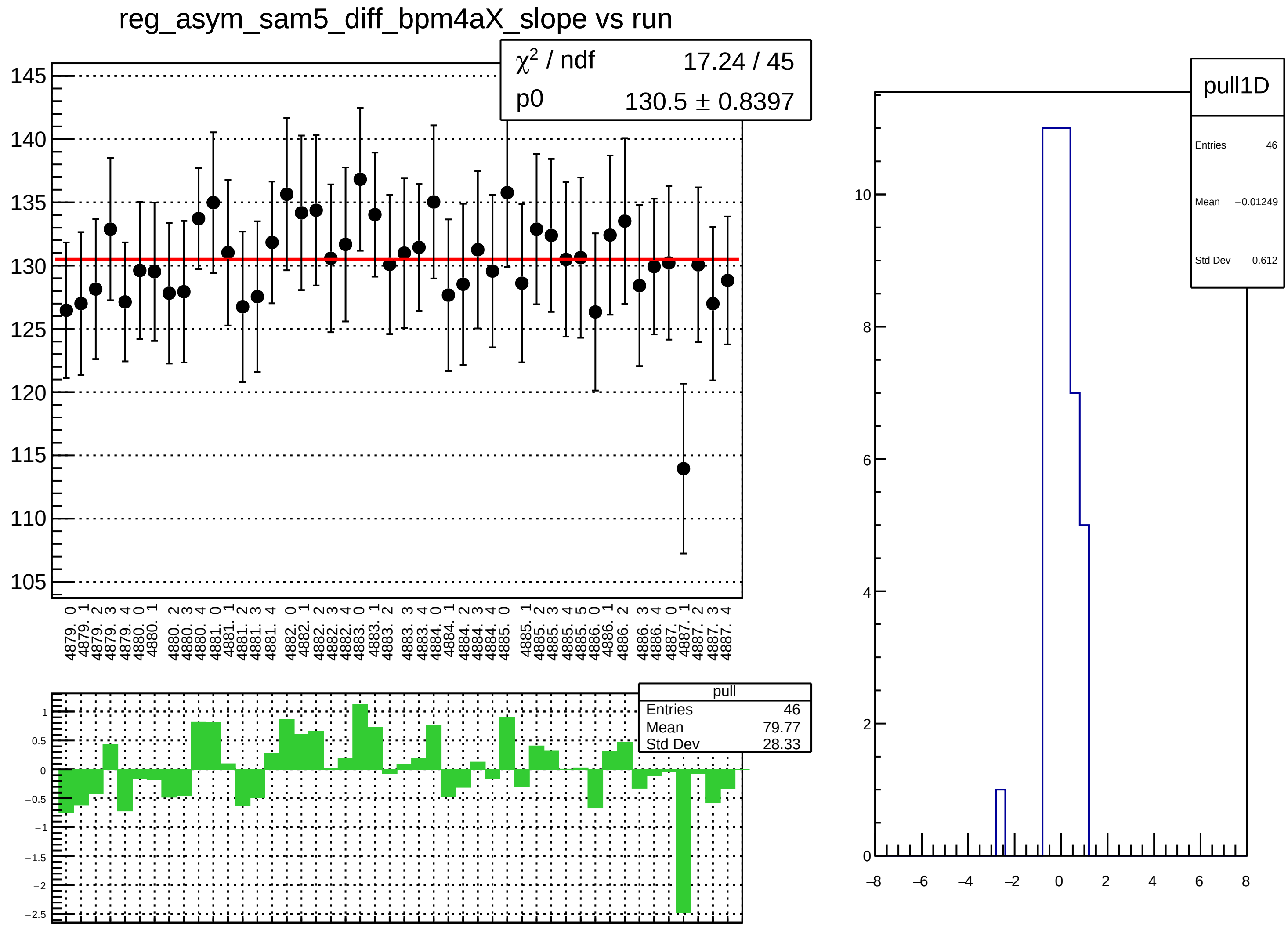


reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 10.86 / 45
p0 −395 ± 0.9069
pull
Entries 46
Mean 362.6
Std Dev 339.7
pull1D
Entries 46
Mean 0.008243
Std Dev 0.4858

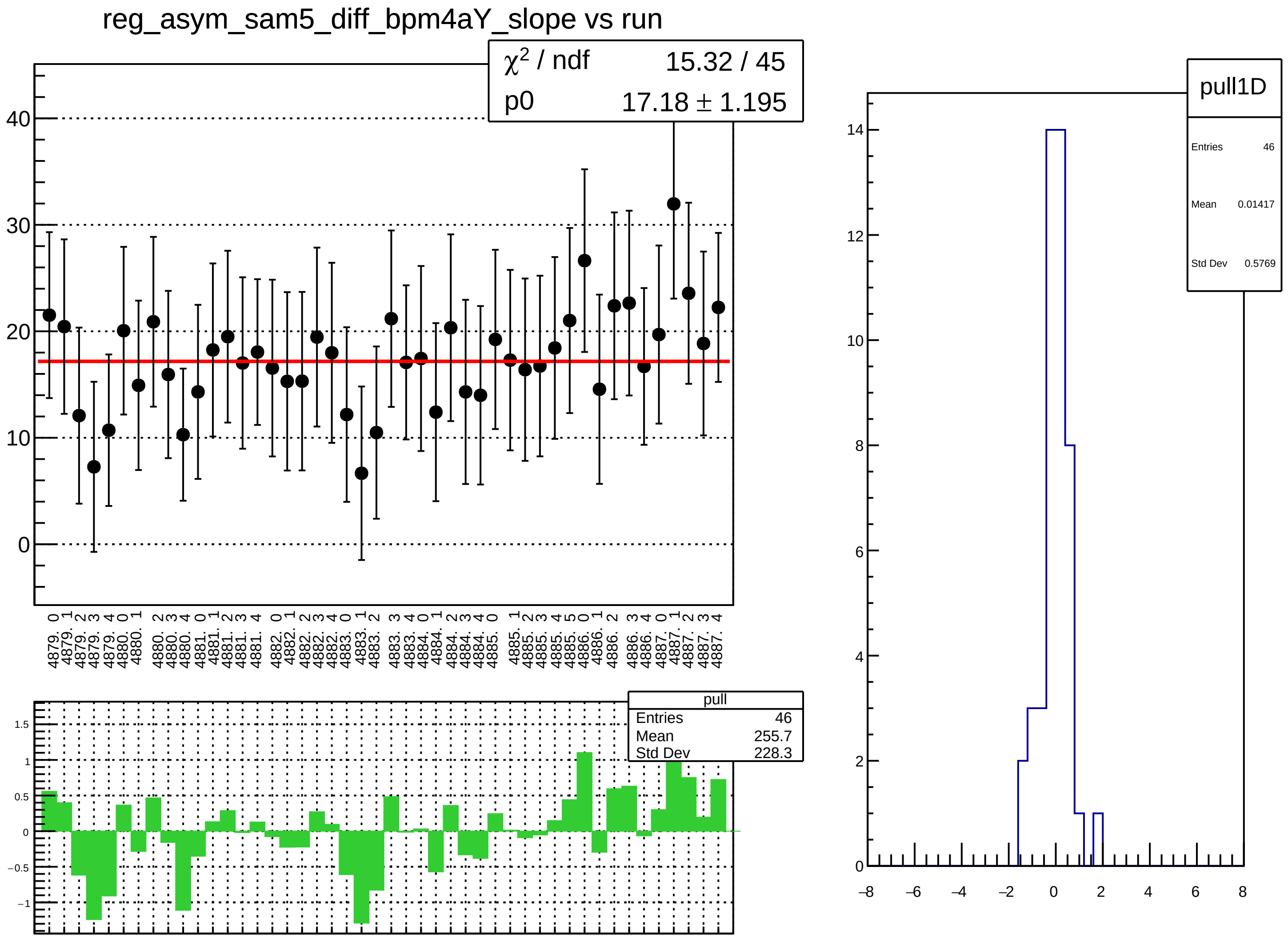


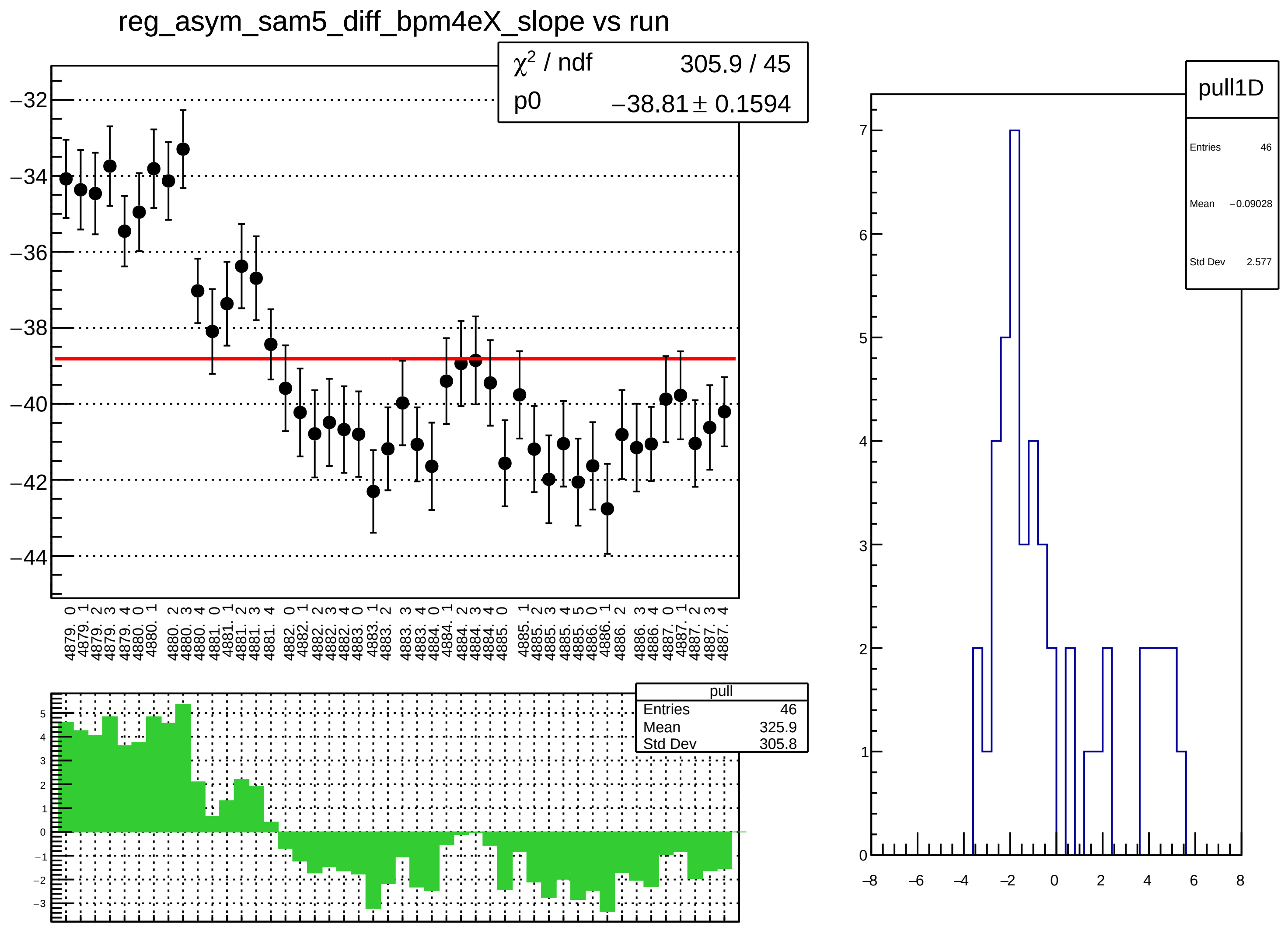
reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 4.127 / 45
p0 302.9 ± 7.585
pull
Entries 46
Mean 2434
Std Dev 2400
pull1D
Entries 46
Mean 5.083e−05
Std Dev 0.2995

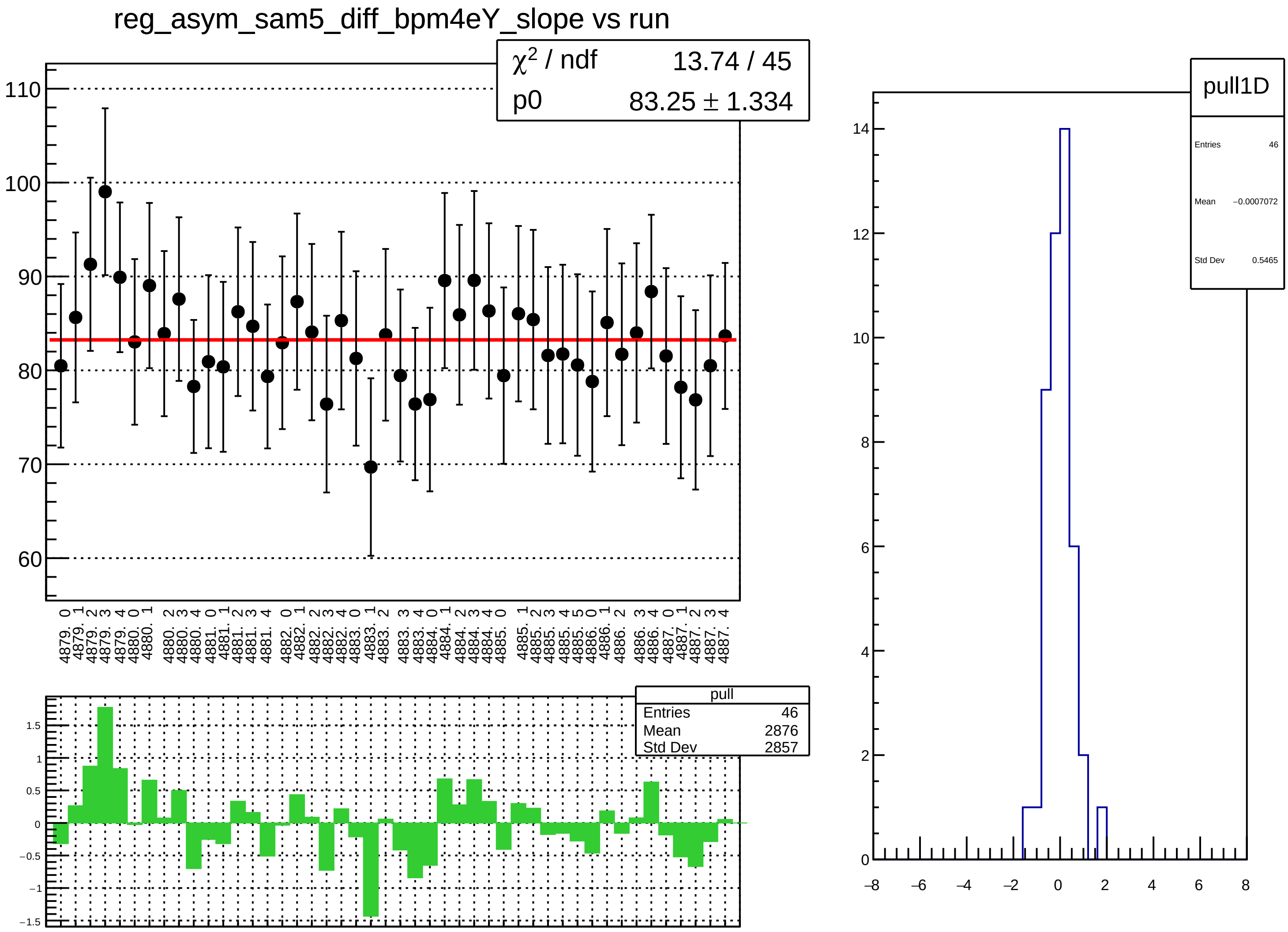

reg_asym_sam4_diff_bpm11X_slope vs run
χ2 / ndf 5.404 / 45
p0 2.62 ± 1.248
pull
Entries 46
Mean 193.3
Std Dev 167.2
pull1D
Entries 46
Mean −0.00351
Std Dev 0.3427



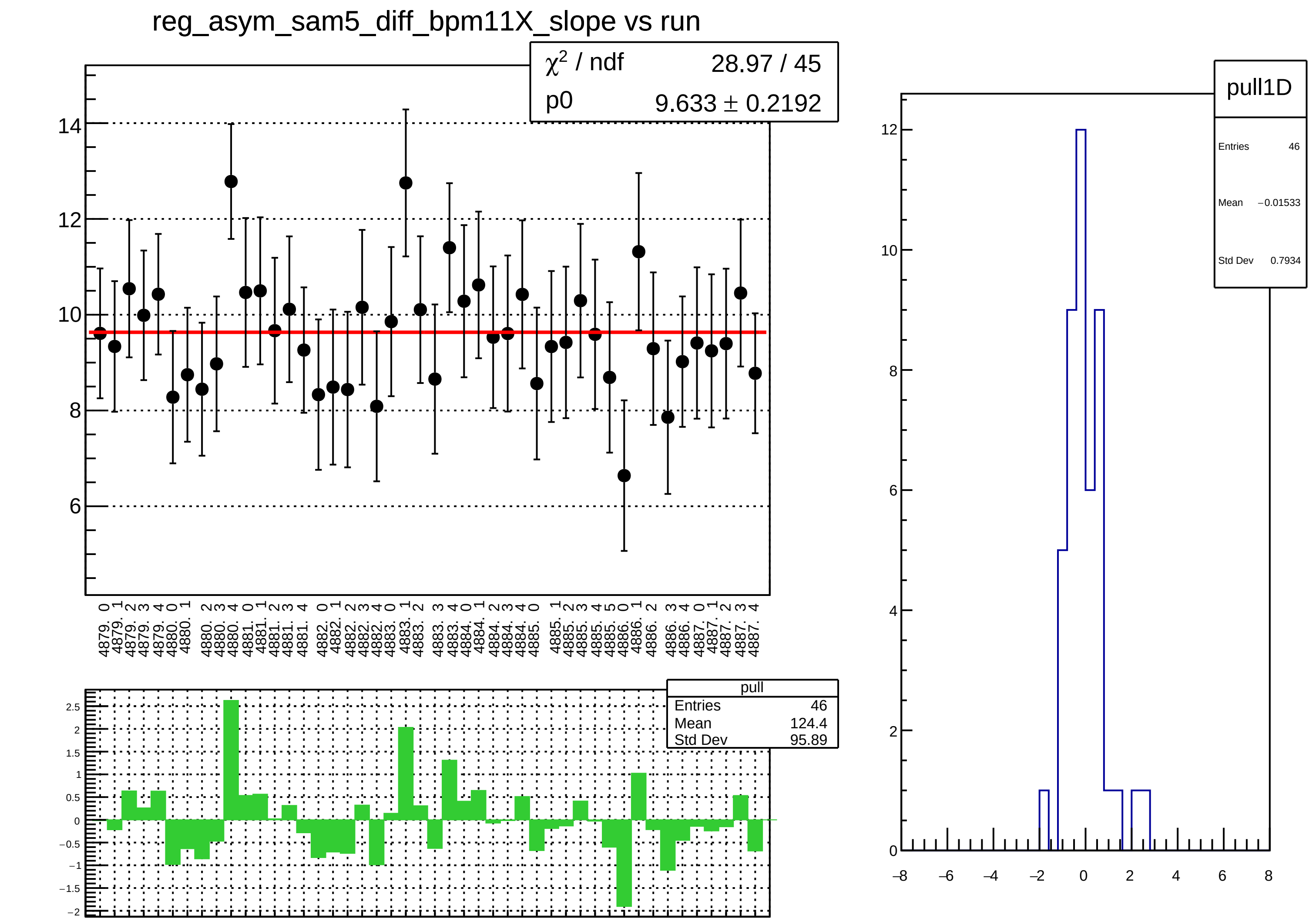
reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 17.24 / 45
p0 130.5 ± 0.8397
pull
Entries 46
Mean 79.77
Std Dev 28.33
pull1D
Entries 46
Mean −0.01249
Std Dev 0.612

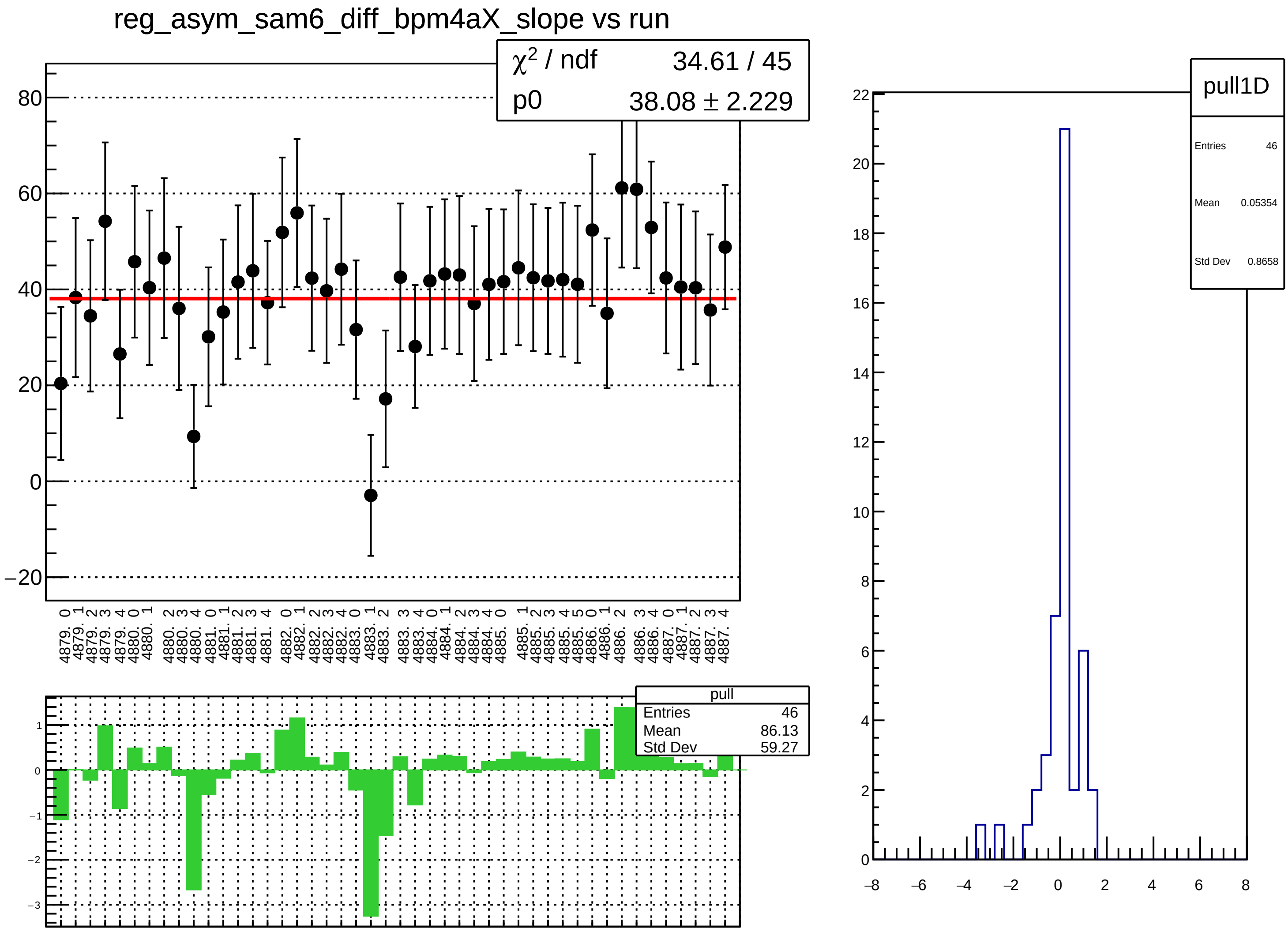

reg_asym_sam5_diff_bpm4aY_slope vs run
χ2 / ndf 15.32 / 45
p0 17.18 ± 1.195
pull
Entries 46
Mean 255.7
Std Dev 228.3
pull1D
Entries 46
Mean 0.01417
Std Dev 0.5769


reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 305.9 / 45
p0 −38.81 ± 0.1594
pull
Entries 46
Mean 325.9
Std Dev 305.8
pull1D
Entries 46
Mean −0.09028
Std Dev 2.577

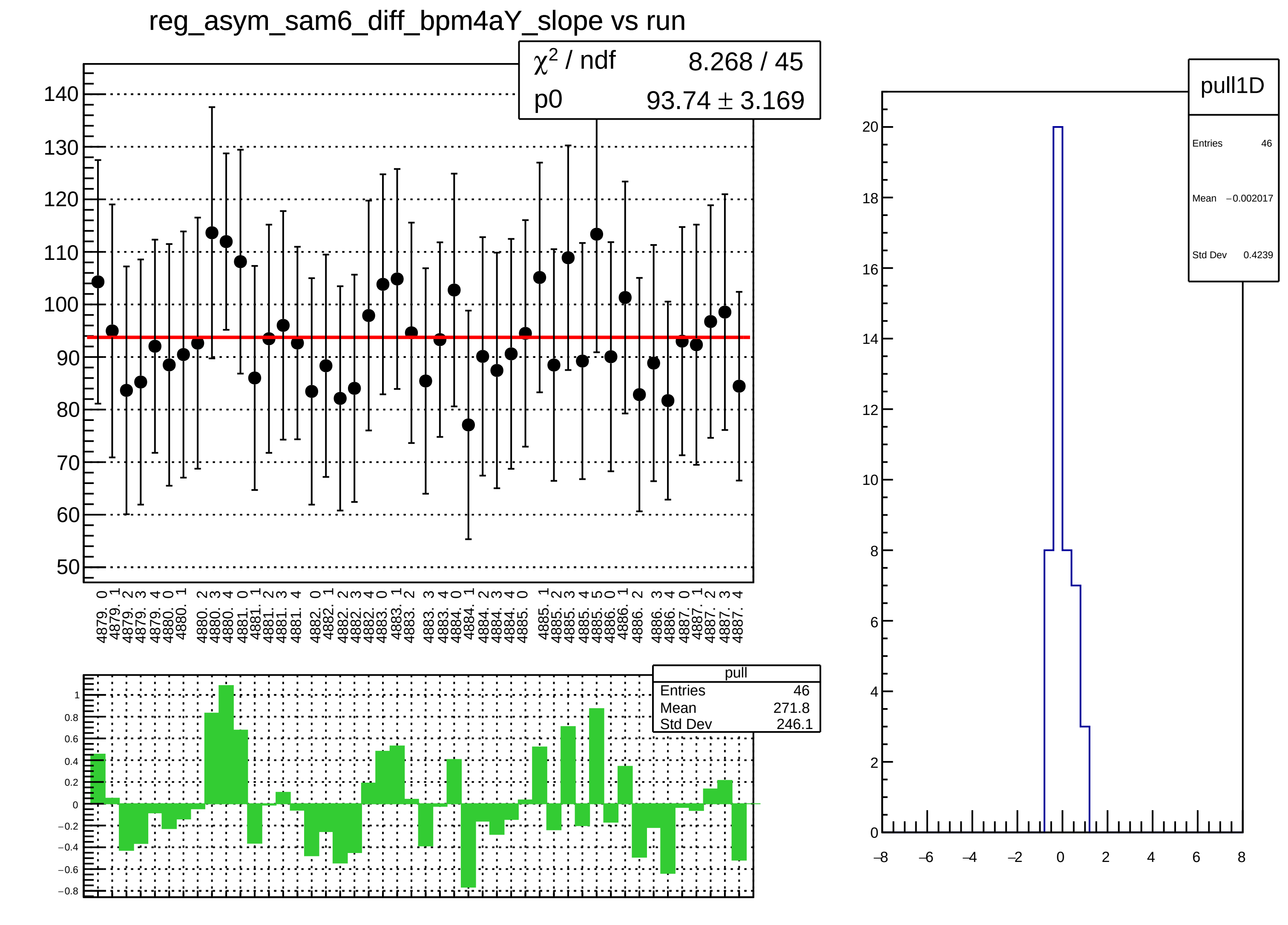


reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 13.74 / 45
p0 83.25 ± 1.334
pull
Entries 46
Mean 2876
Std Dev 2857
pull1D
Entries 46
Mean −0.0007072
Std Dev 0.5465

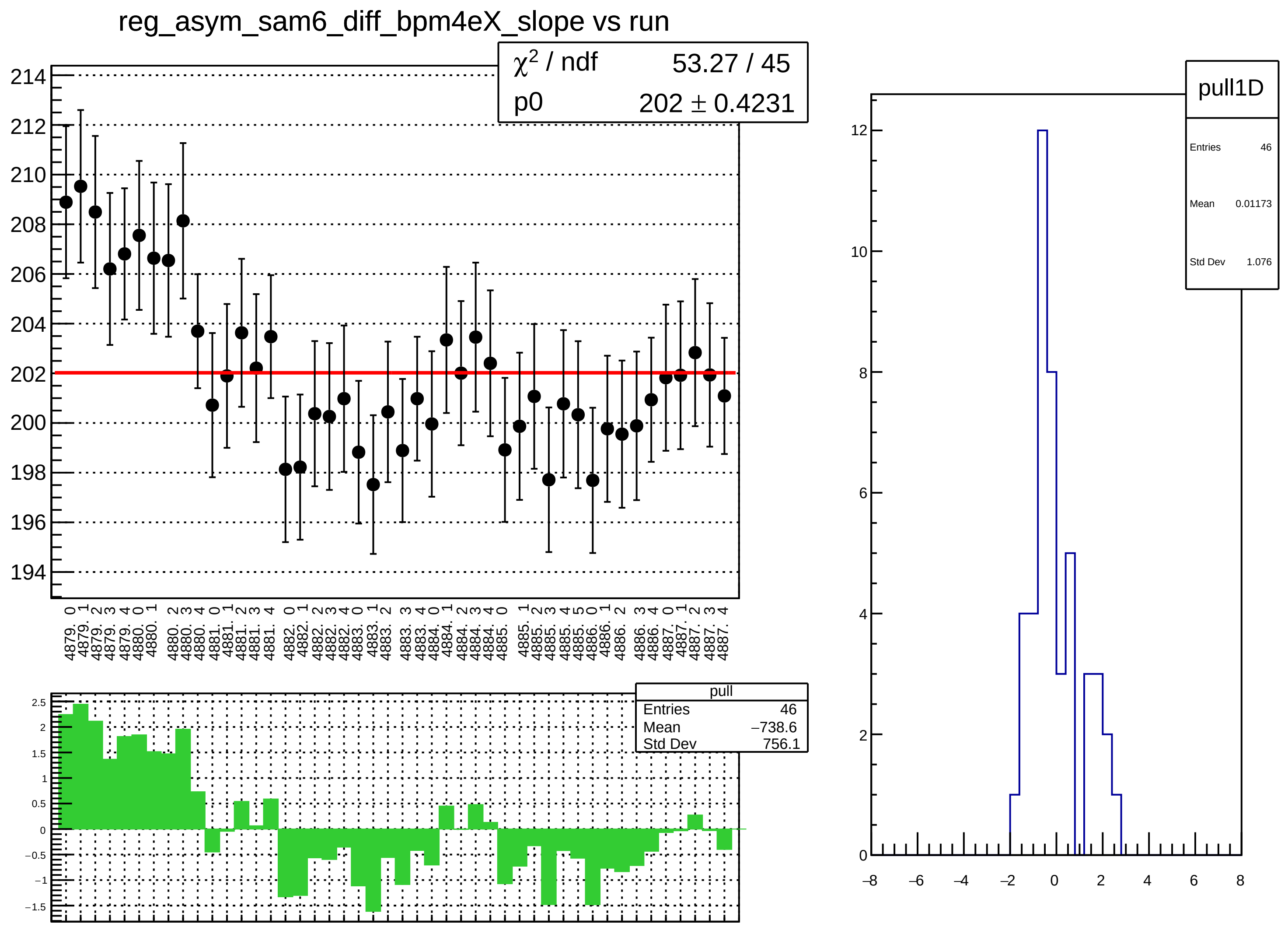

reg_asym_sam5_diff_bpm11X_slope vs run
χ^2 / ndf 28.97 / 45
p0 9.633 ± 0.2192
pull
Entries 46
Mean 124.4
Std Dev 95.89
pull1D
Entries 46
Mean −0.01533
Std Dev 0.7934



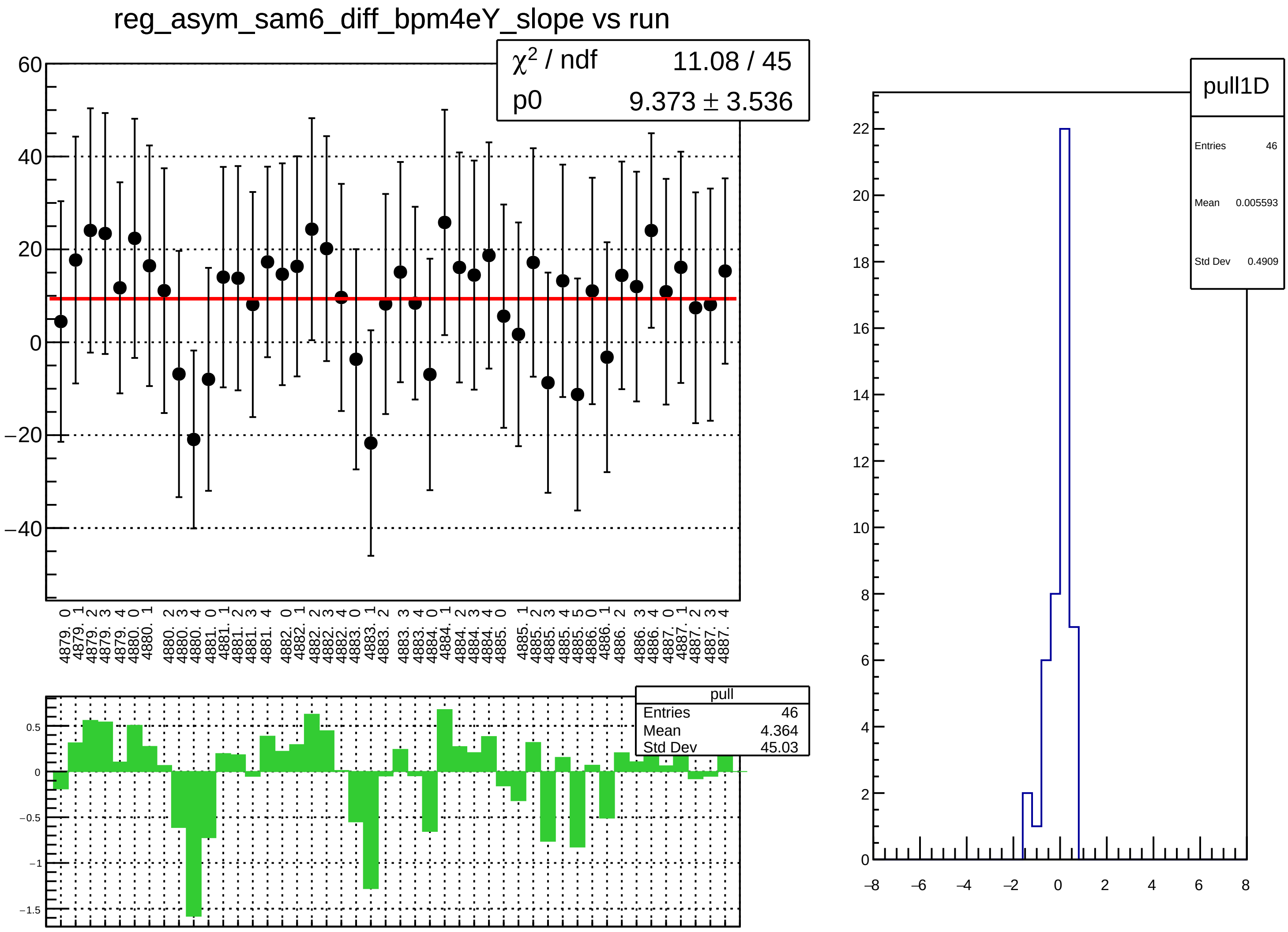
reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 34.61 / 45
p0 38.08 ± 2.229
pull
Entries 46
Mean 86.13
Std Dev 59.27
pull1D
Entries 46
Mean 0.05354
Std Dev 0.8658

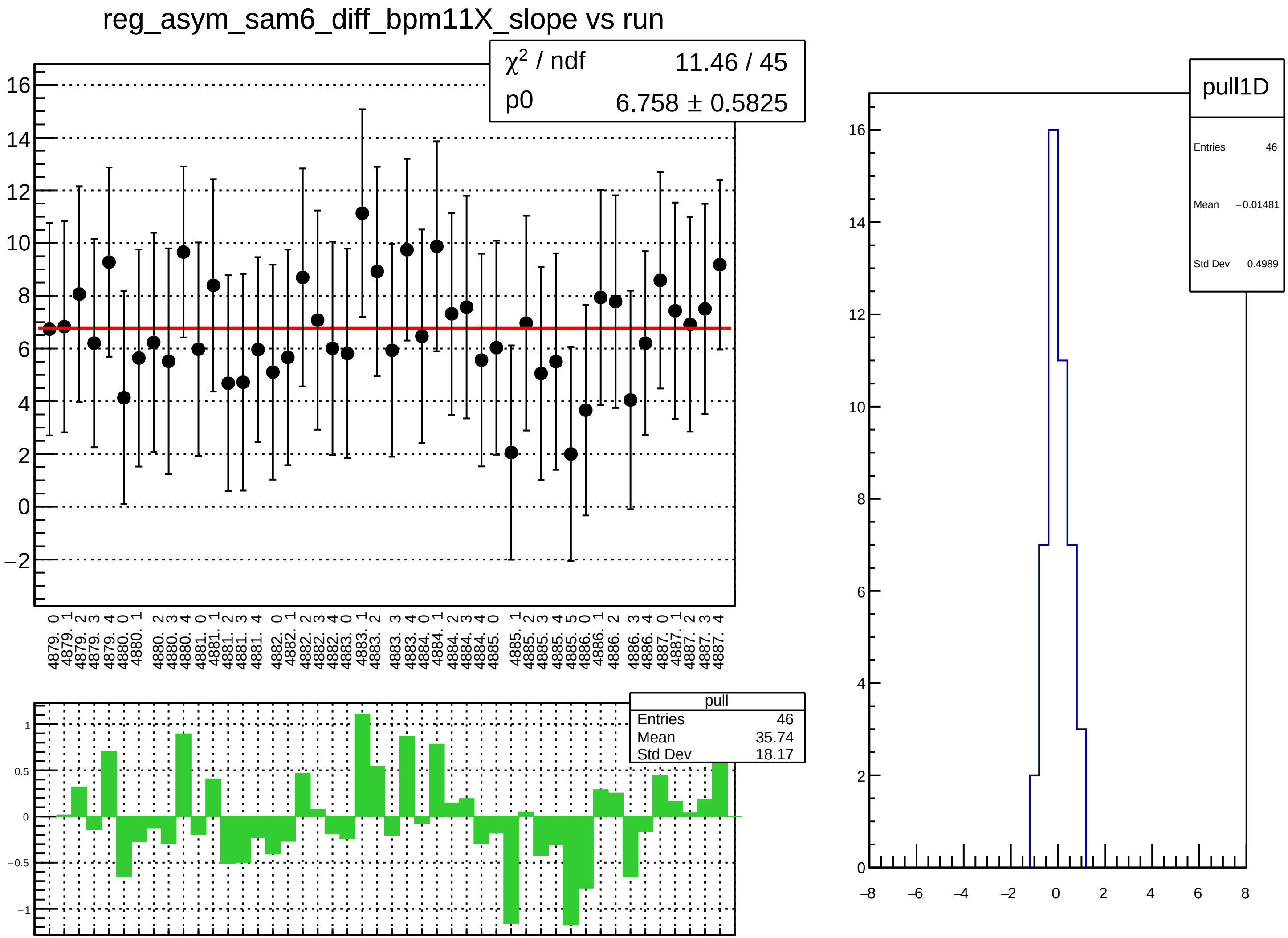


reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 8.268 / 45
p0 93.74 ± 3.169
pull
Entries 46
Mean 271.8
Std Dev 246.1
pull1D
Entries 46
Mean −0.002017
Std Dev 0.4239

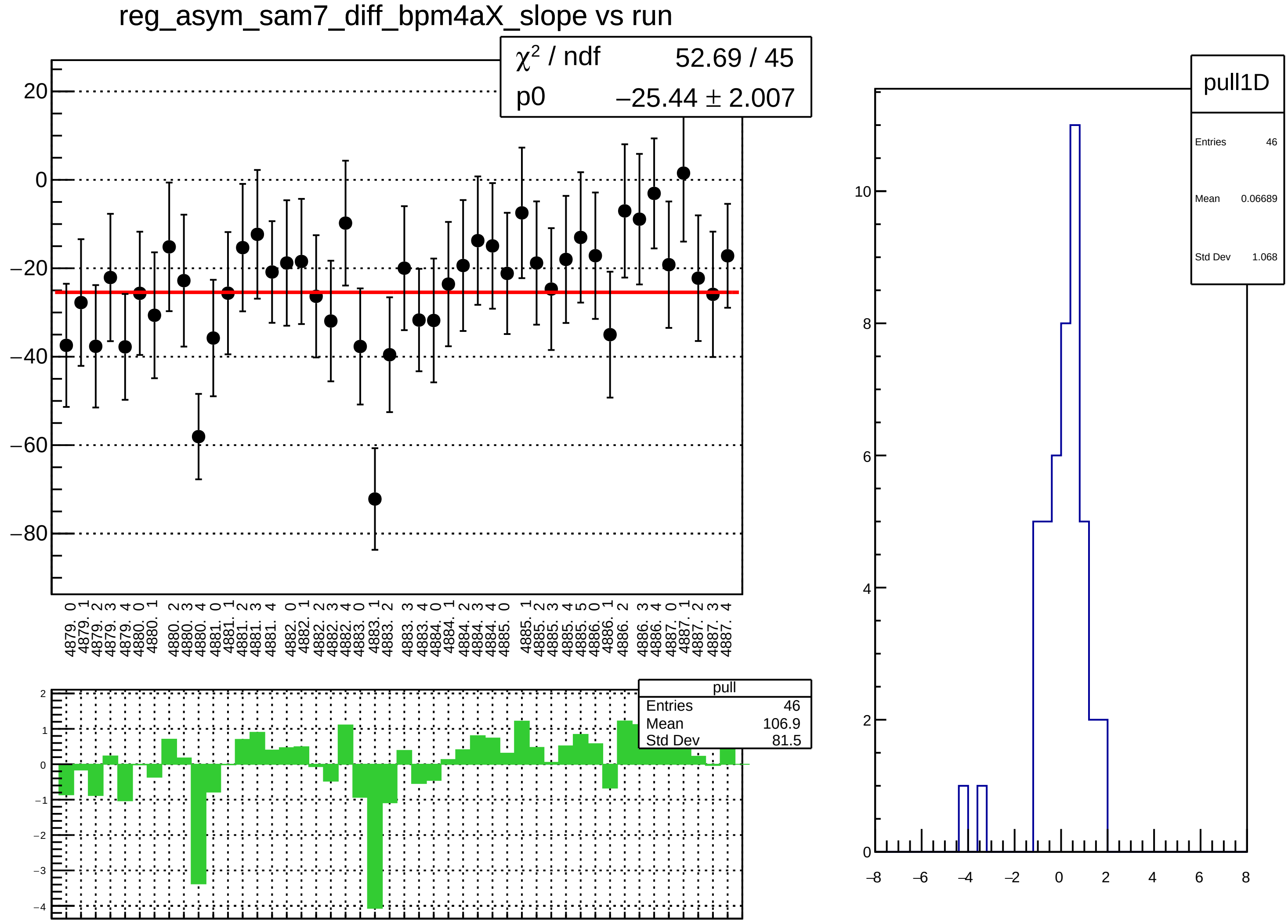


reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 53.27 / 45
p0 202 ± 0.4231
pull
Entries 46
Mean −738.6
Std Dev 756.1
pull1D
Entries 46
Mean 0.01173
Std Dev 1.076

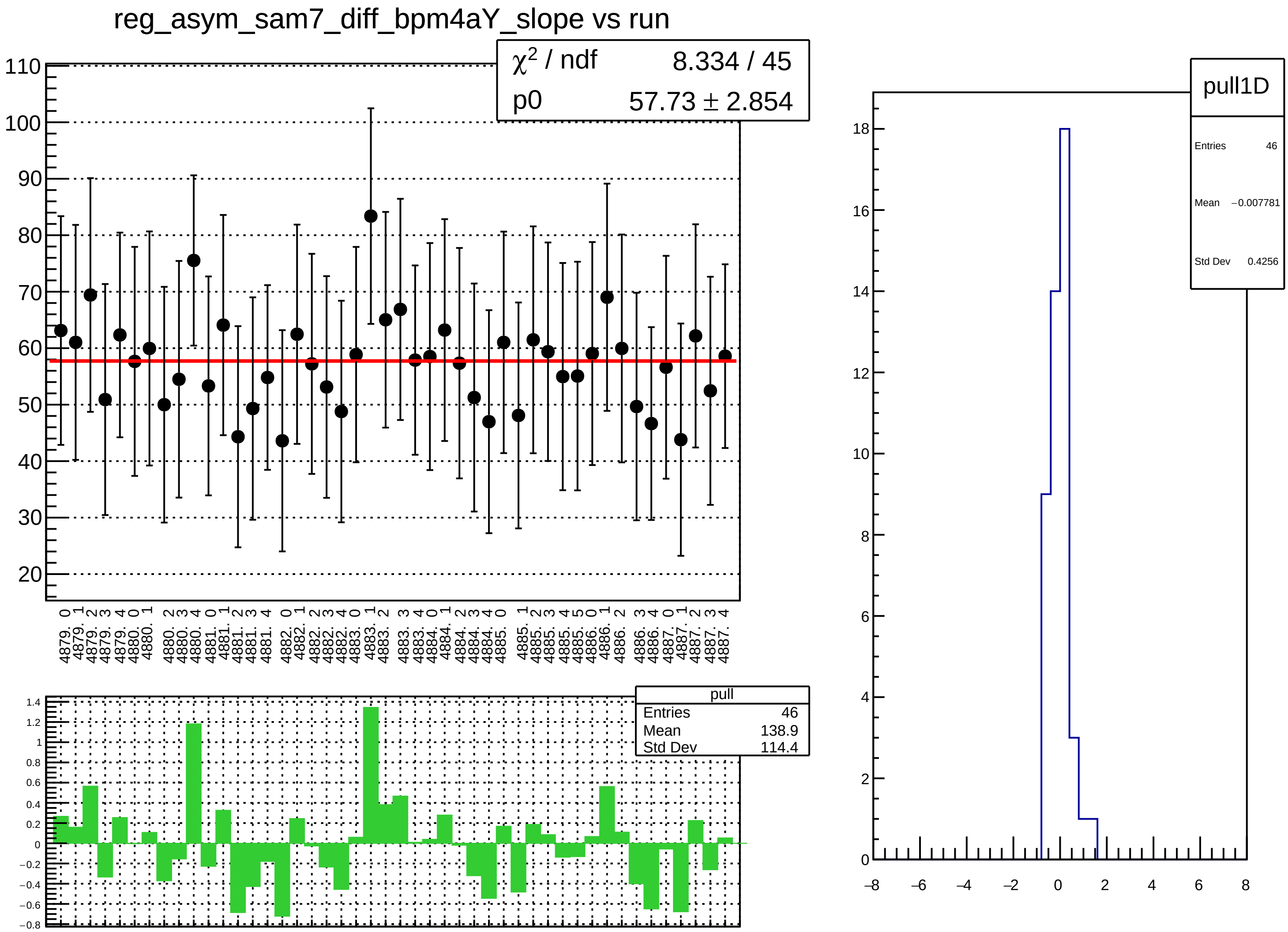

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 11.08 / 45
p0 9.373 ± 3.536
pull
Entries 46
Mean 4.364
Std Dev 45.03
pull1D
Entries 46
Mean 0.005593
Std Dev 0.4909



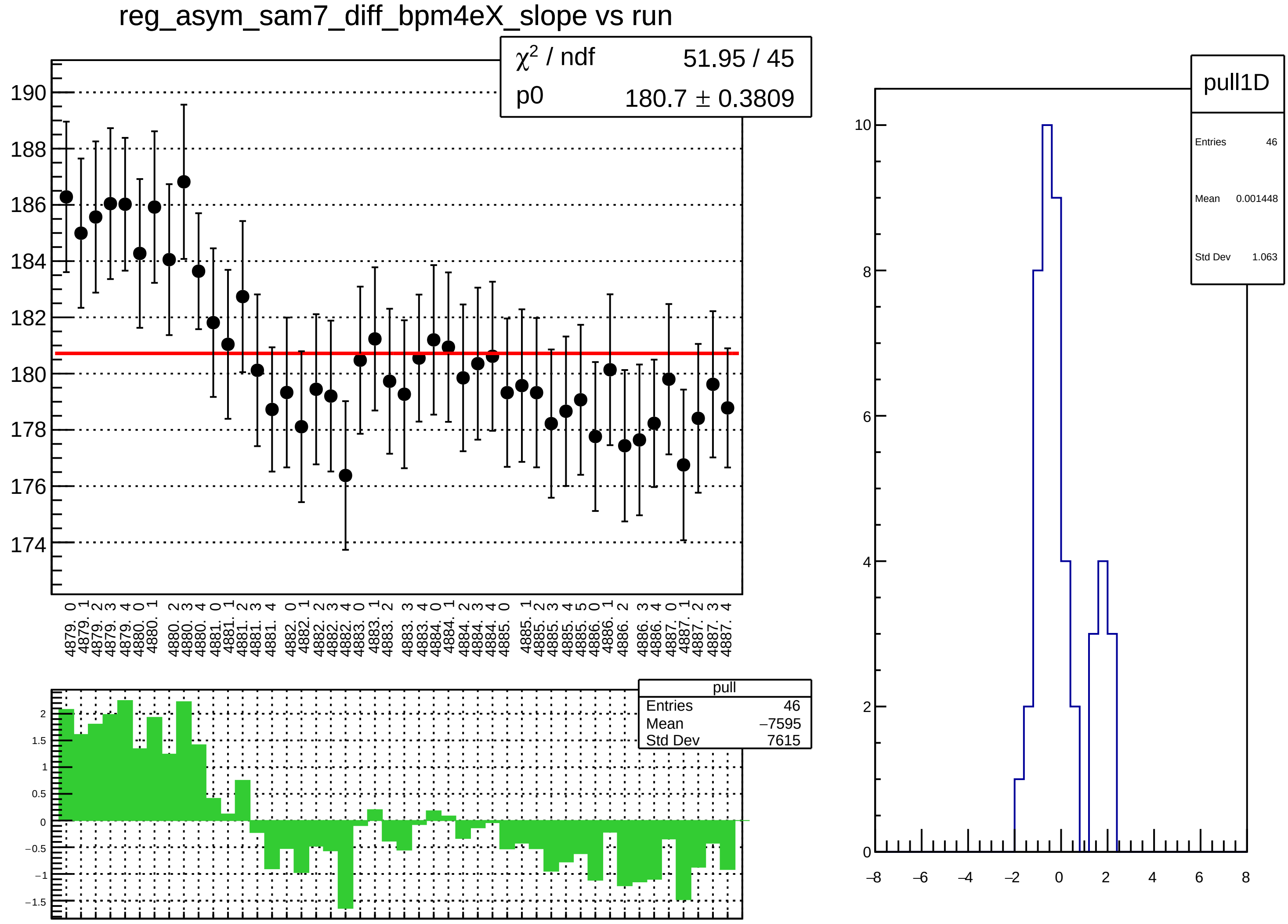
reg_asym_sam6_diff_bpm11X_slope vs run
χ^2 / ndf 11.46 / 45
p0 6.758 ± 0.5825
pull
Entries 46
Mean 35.74
Std Dev 18.17
pull1D
Entries 46
Mean −0.01481
Std Dev 0.4989

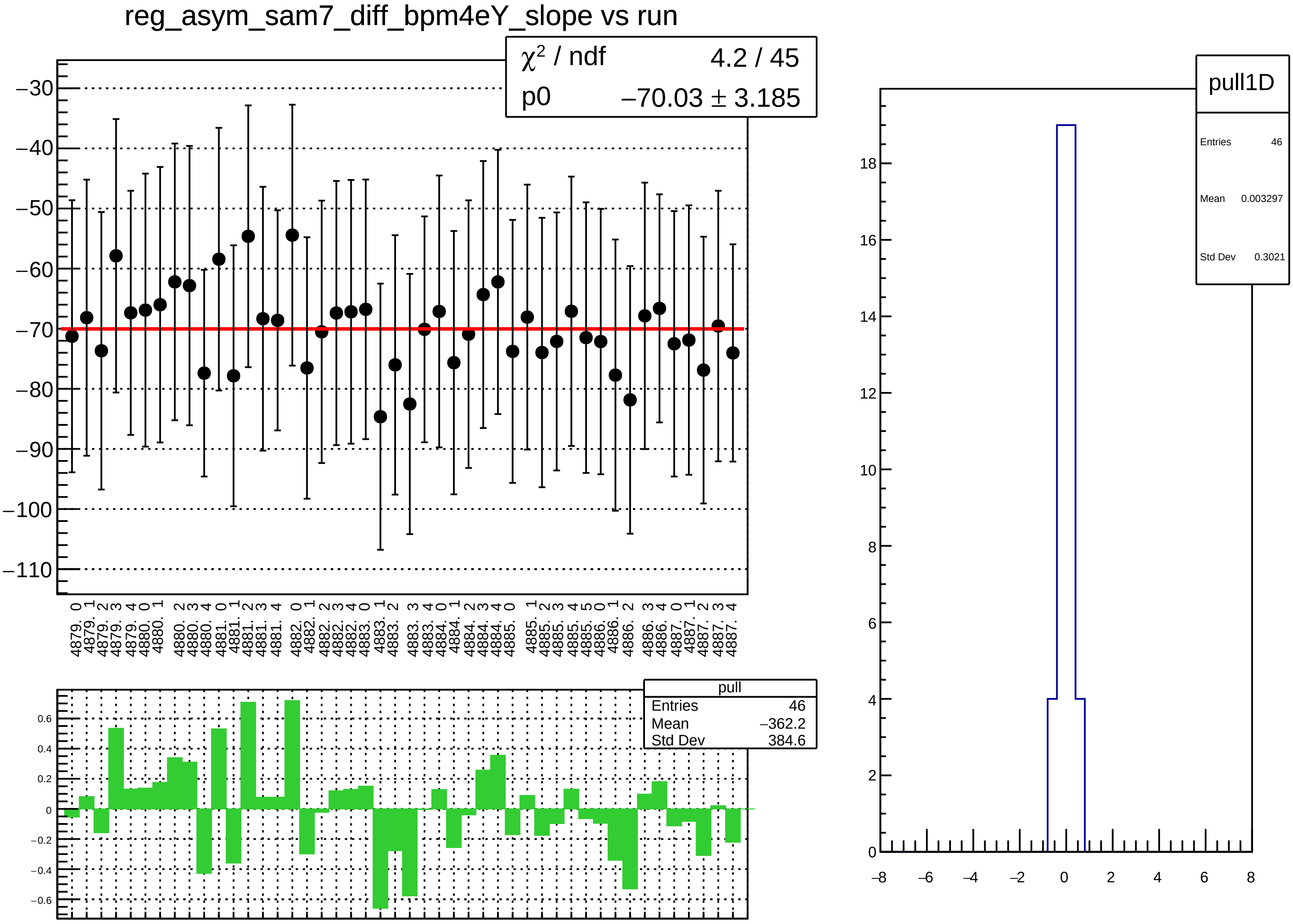


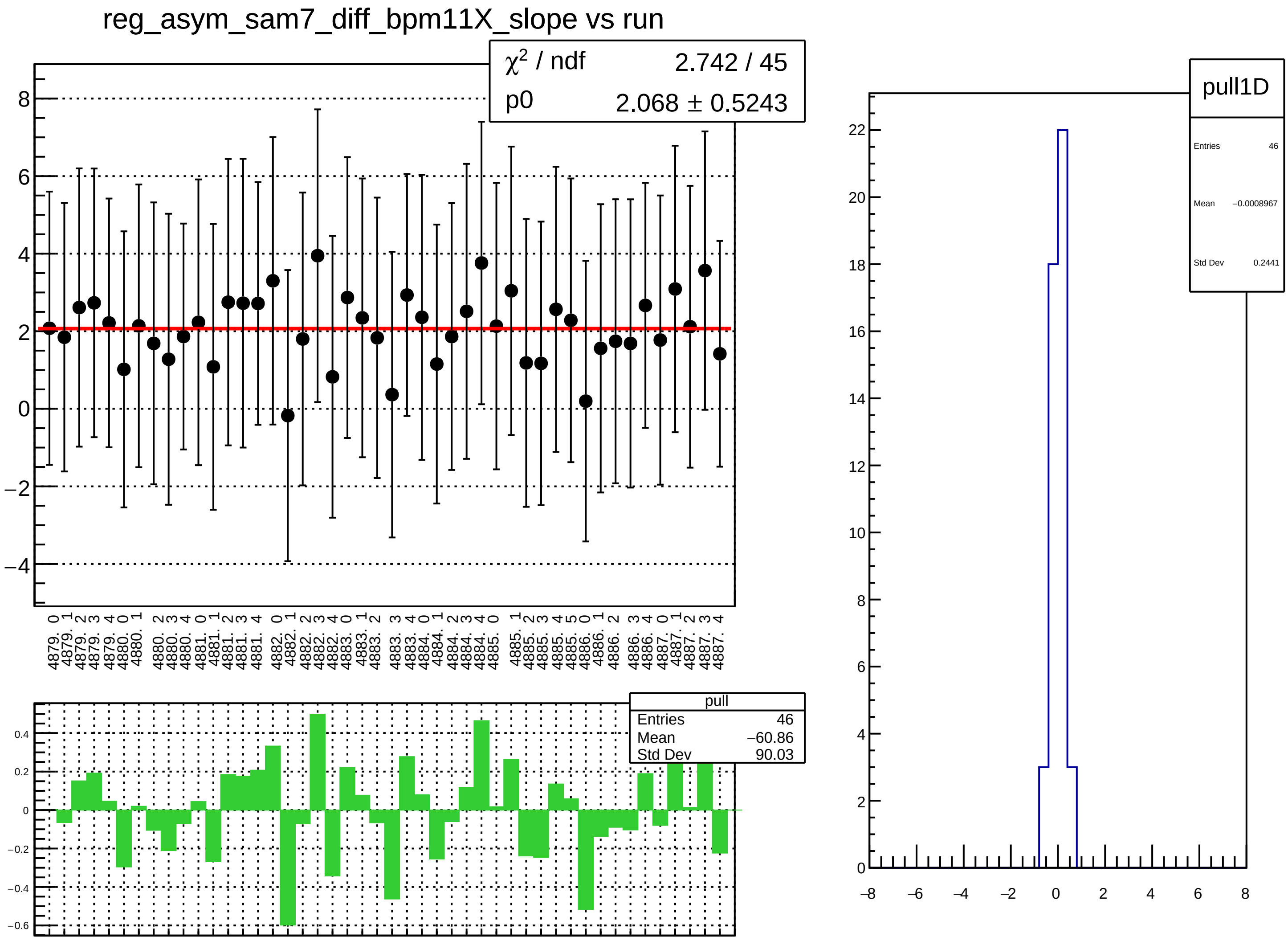
reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 52.69 / 45
p0 −25.44 ± 2.007
pull
Entries 46
Mean 106.9
Std Dev 81.5
pull1D
Entries 46
Mean 0.06689
Std Dev 1.068



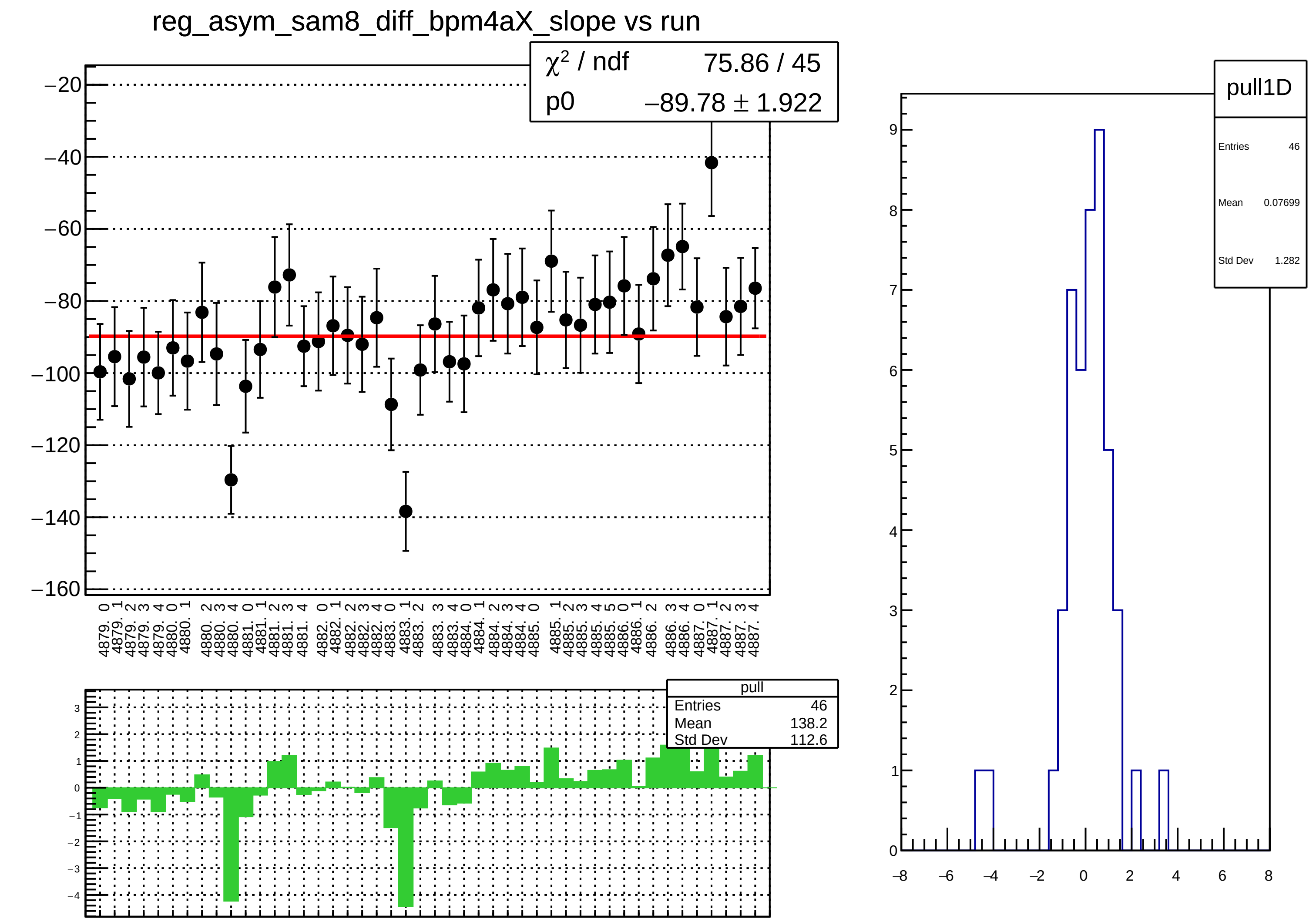
reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 8.334 / 45
p0 57.73 ± 2.854
pull
Entries 46
Mean 138.9
Std Dev 114.4
pull1D
Entries 46
Mean −0.007781
Std Dev 0.4256


reg_asym_sam7_diff_bpm4eX_slope vs run
χ2 / ndf 51.95 / 45
p0 180.7 ± 0.3809
pull
Entries 46
Mean −7595
Std Dev 7615
pull1D
Entries 46
Mean 0.001448
Std Dev 1.063

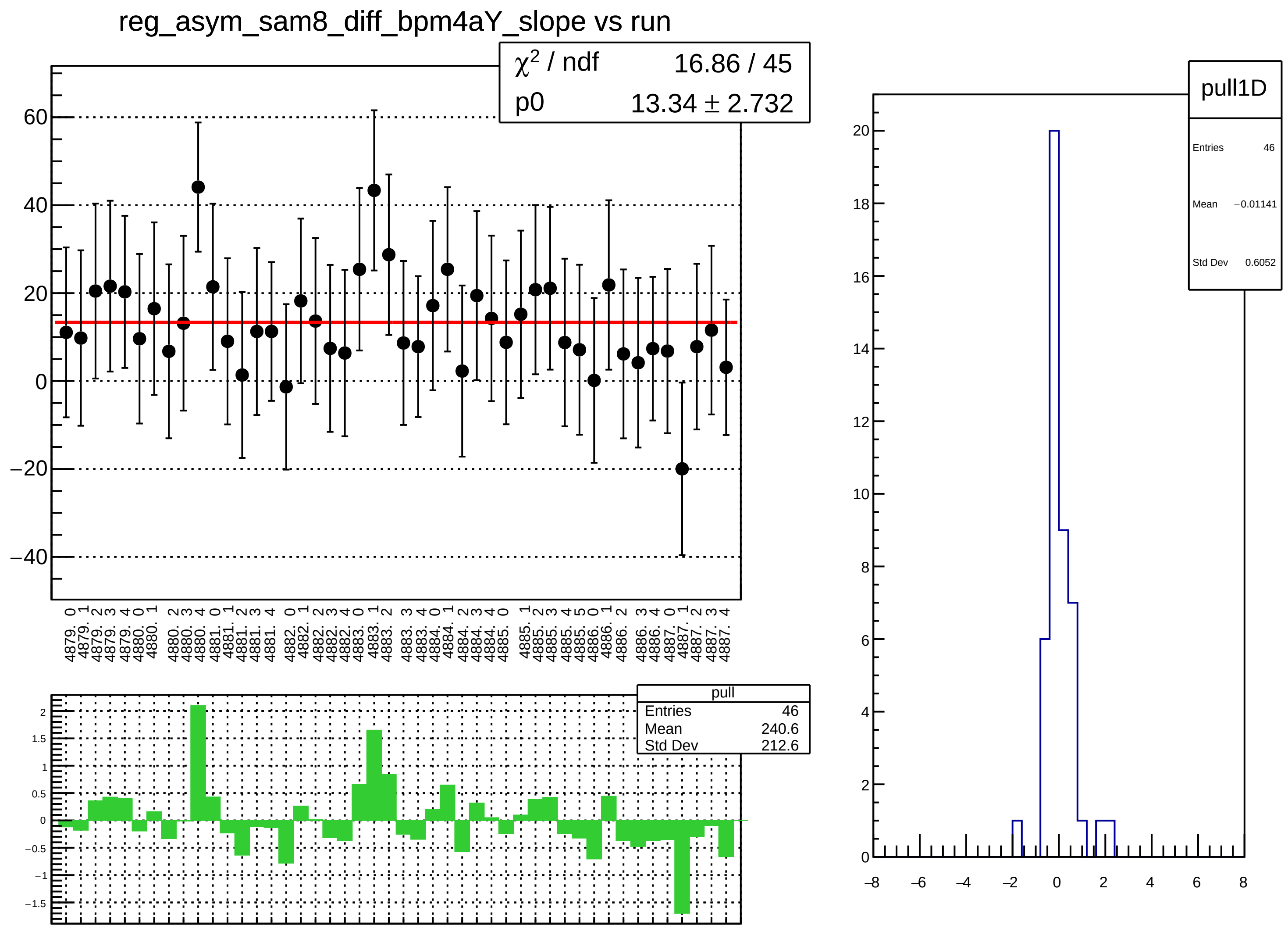

reg_asym_sam7_diff_bpm4eY_slope vs run
χ2 / ndf 4.2 / 45
p0 −70.03 ± 3.185
pull
Entries 46
Mean −362.2
Std Dev 384.6
pull1D
Entries 46
Mean 0.003297
Std Dev 0.3021



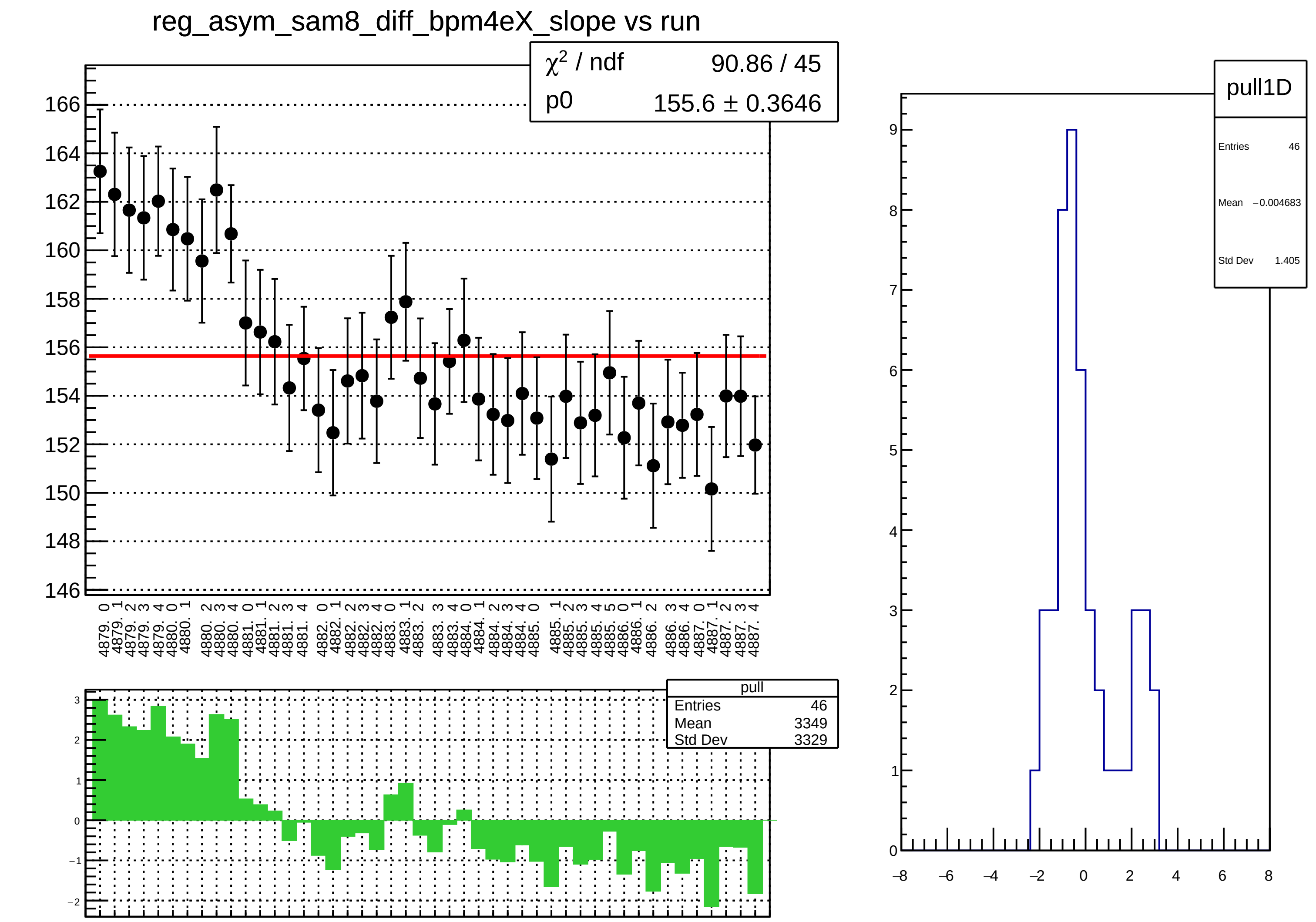
reg_asym_sam7_diff_bpm11X_slope vs run
χ^2 / ndf 2.742 / 45
p0 2.068 ± 0.5243
pull
Entries 46
Mean −60.86
Std Dev 90.03
pull1D
Entries 46
Mean −0.0008967
Std Dev 0.2441



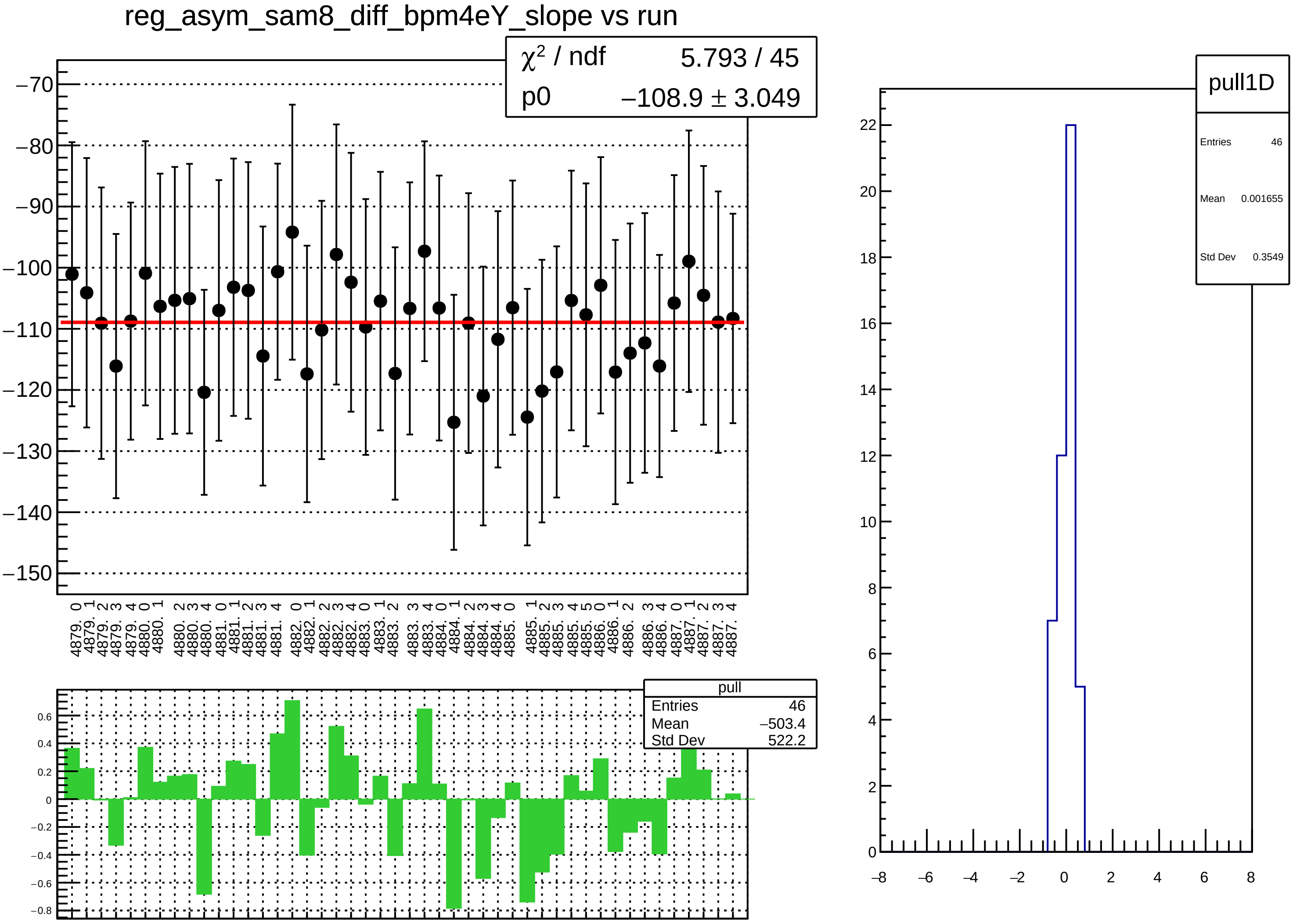
reg_asym_sam8_diff_bpm4aX_slope vs run
χ^2 / ndf 75.86 / 45
p0 −89.78 ± 1.922
pull
Entries 46
Mean 138.2
Std Dev 112.6
pull1D
Entries 46
Mean 0.07699
Std Dev 1.282

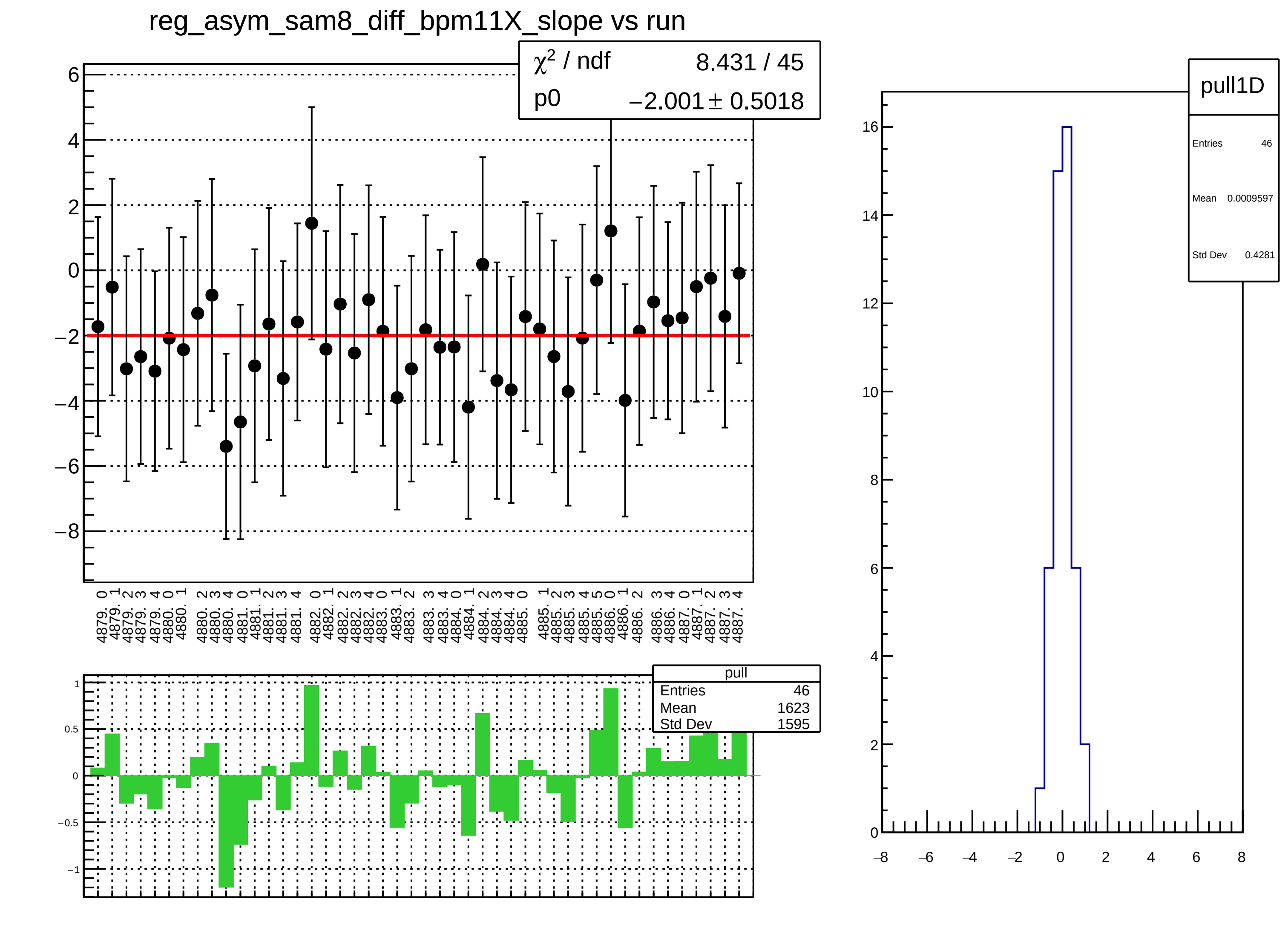


reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 16.86 / 45
p0 13.34 ± 2.732
pull
Entries 46
Mean 240.6
Std Dev 212.6
pull1D
Entries 46
Mean −0.01141
Std Dev 0.6052

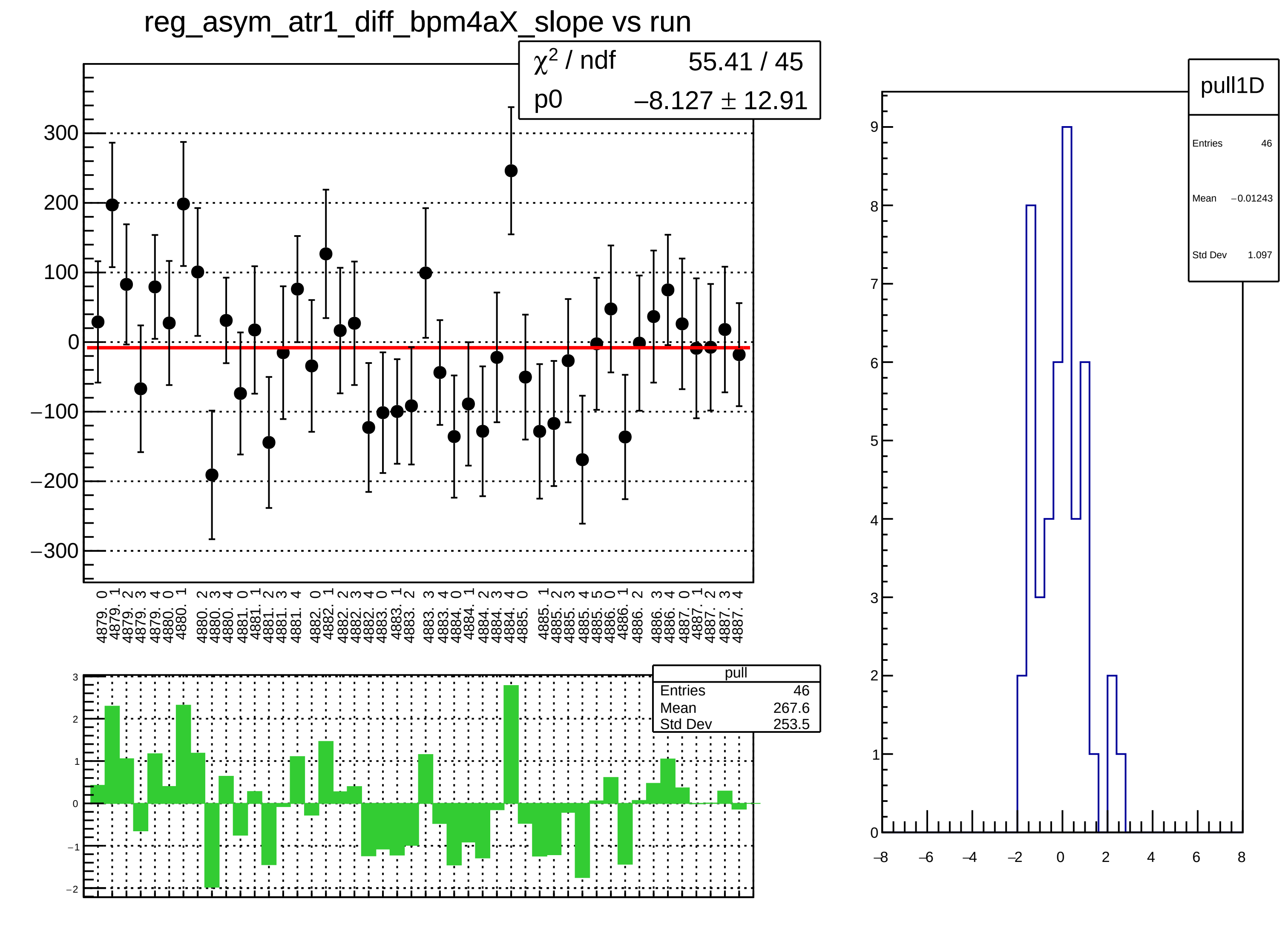


reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 90.86 / 45
p0 155.6 ± 0.3646
pull
Entries 46
Mean 3349
Std Dev 3329
pull1D
Entries 46
Mean −0.004683
Std Dev 1.405

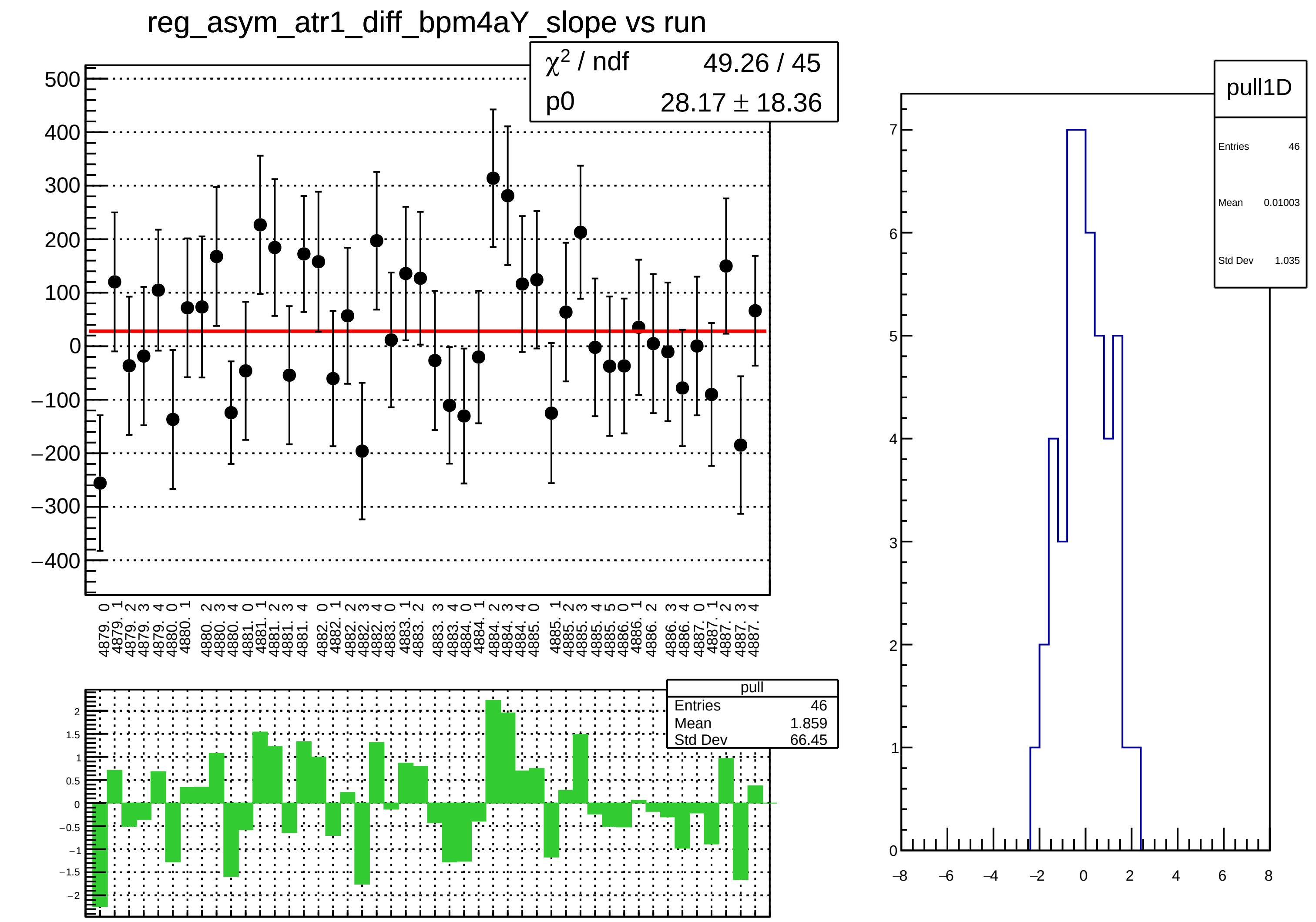

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 5.793 / 45
p0 −108.9 ± 3.049
pull
Entries 46
Mean −503.4
Std Dev 522.2
pull1D
Entries 46
Mean 0.001655
Std Dev 0.3549

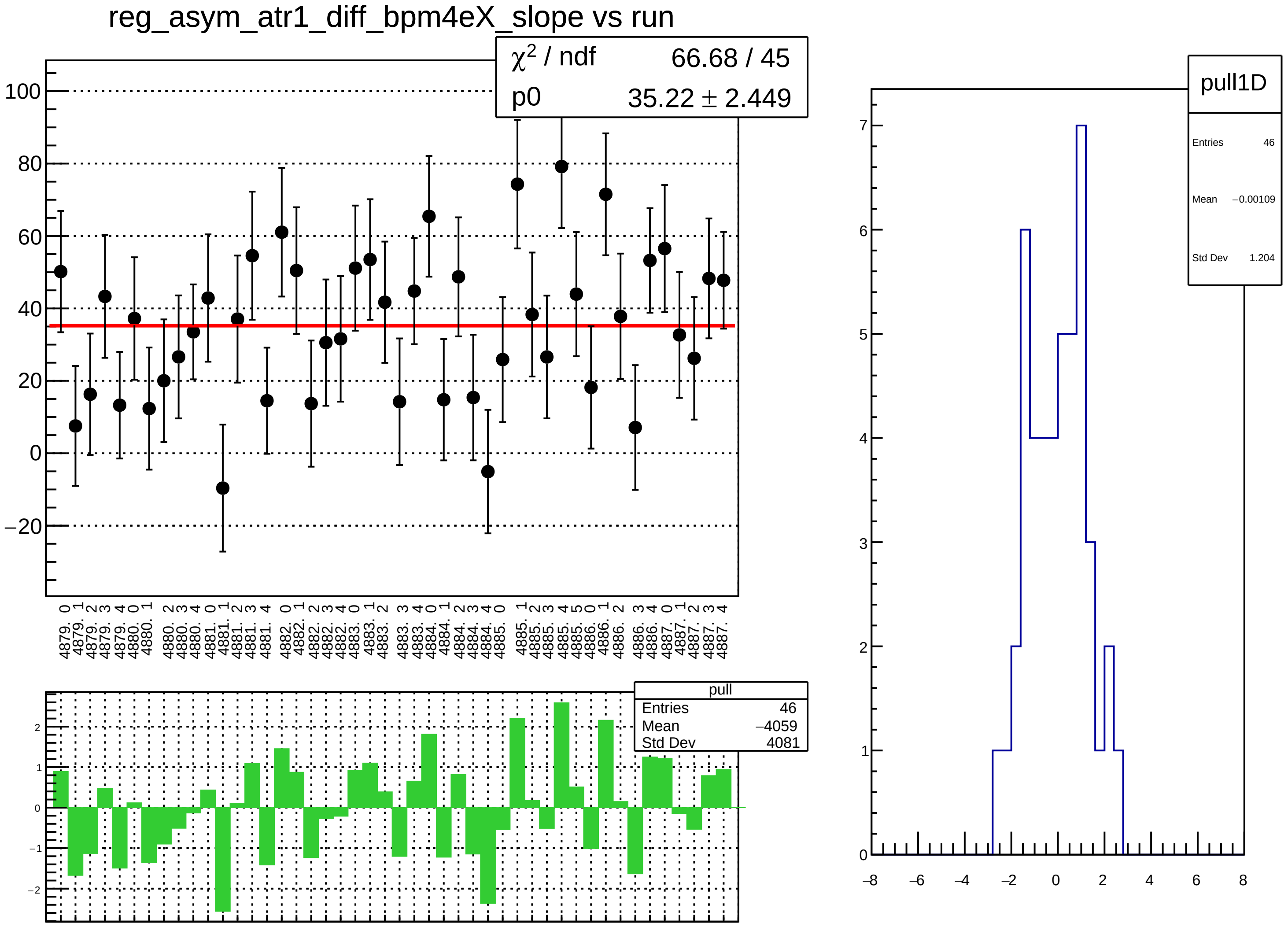


reg_asym_sam8_diff_bpm11X_slope vs run
χ^2 / ndf 8.431 / 45
p0 −2.001 ± 0.5018
pull
Entries 46
Mean 1623
Std Dev 1595
pull1D
Entries 46
Mean 0.0009597
Std Dev 0.4281

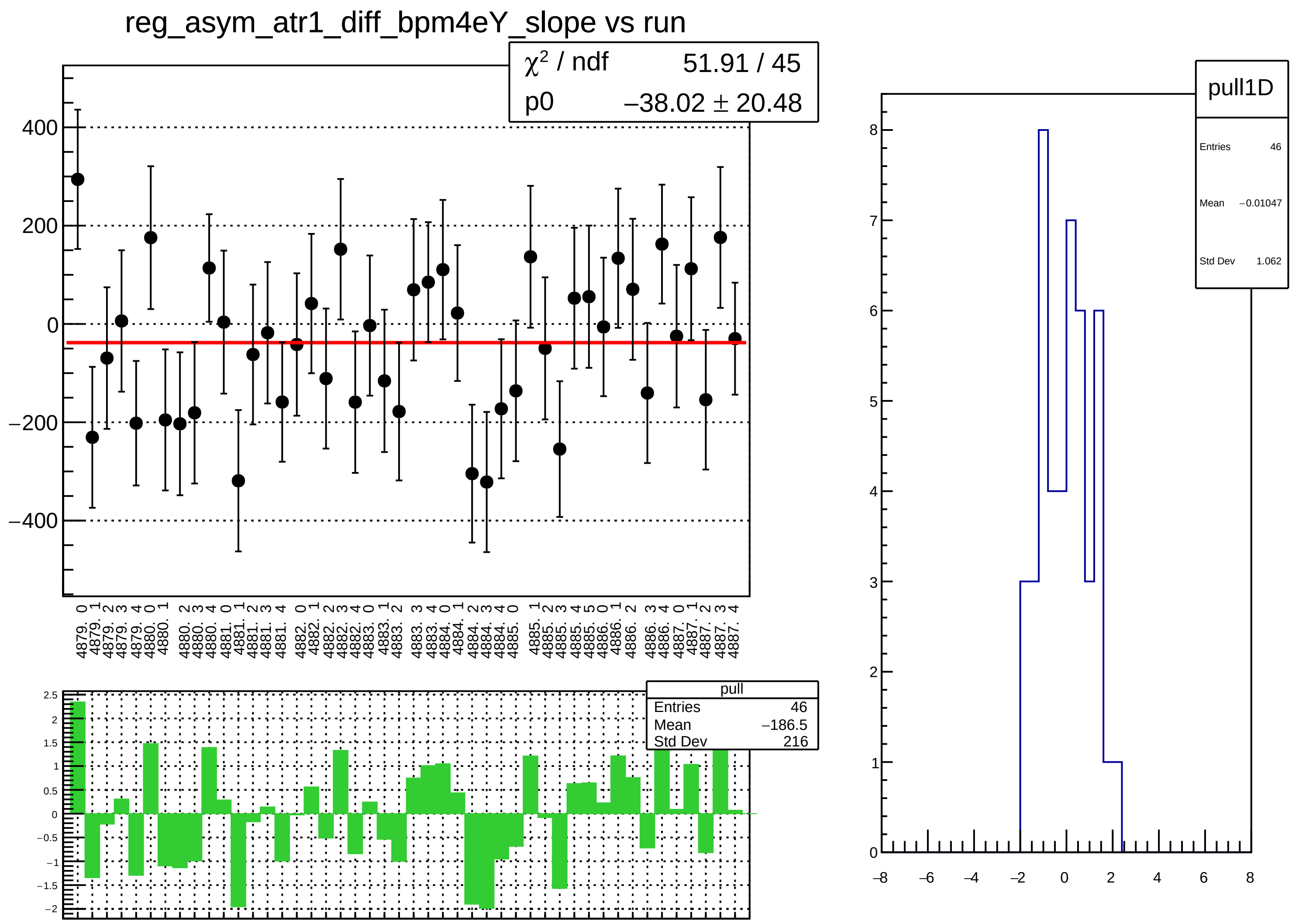


reg_asym_atr1_diff_bpm4aX_slope vs run
χ^2 / ndf 55.41 / 45
p0 −8.127 ± 12.91
pull
Entries 46
Mean 267.6
Std Dev 253.5
pull1D
Entries 46
Mean −0.01243
Std Dev 1.097

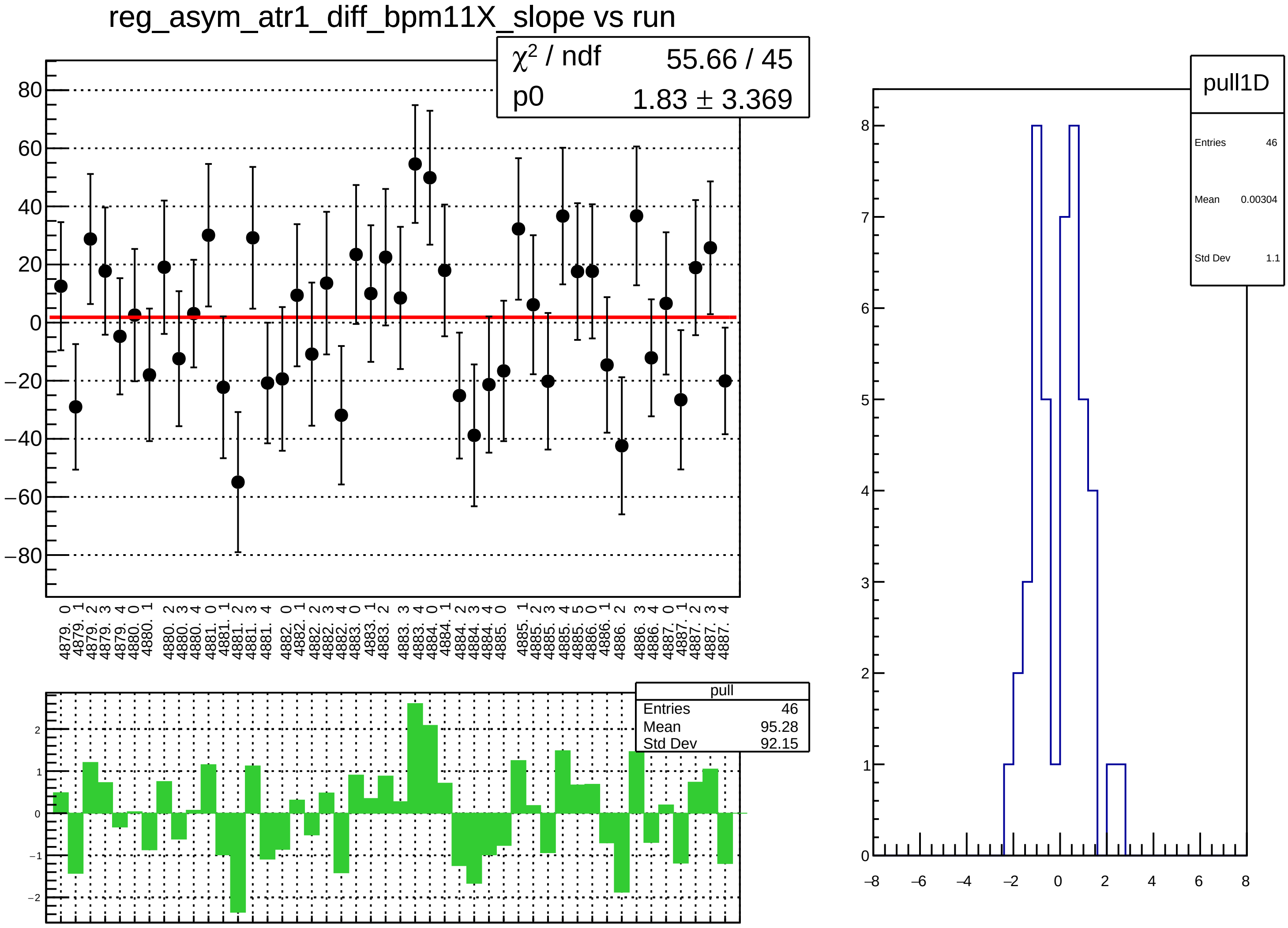

reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 49.26 / 45
p0 28.17 ± 18.36
pull
Entries 46
Mean 1.859
Std Dev 66.45
pull1D
Entries 46
Mean 0.01003
Std Dev 1.035

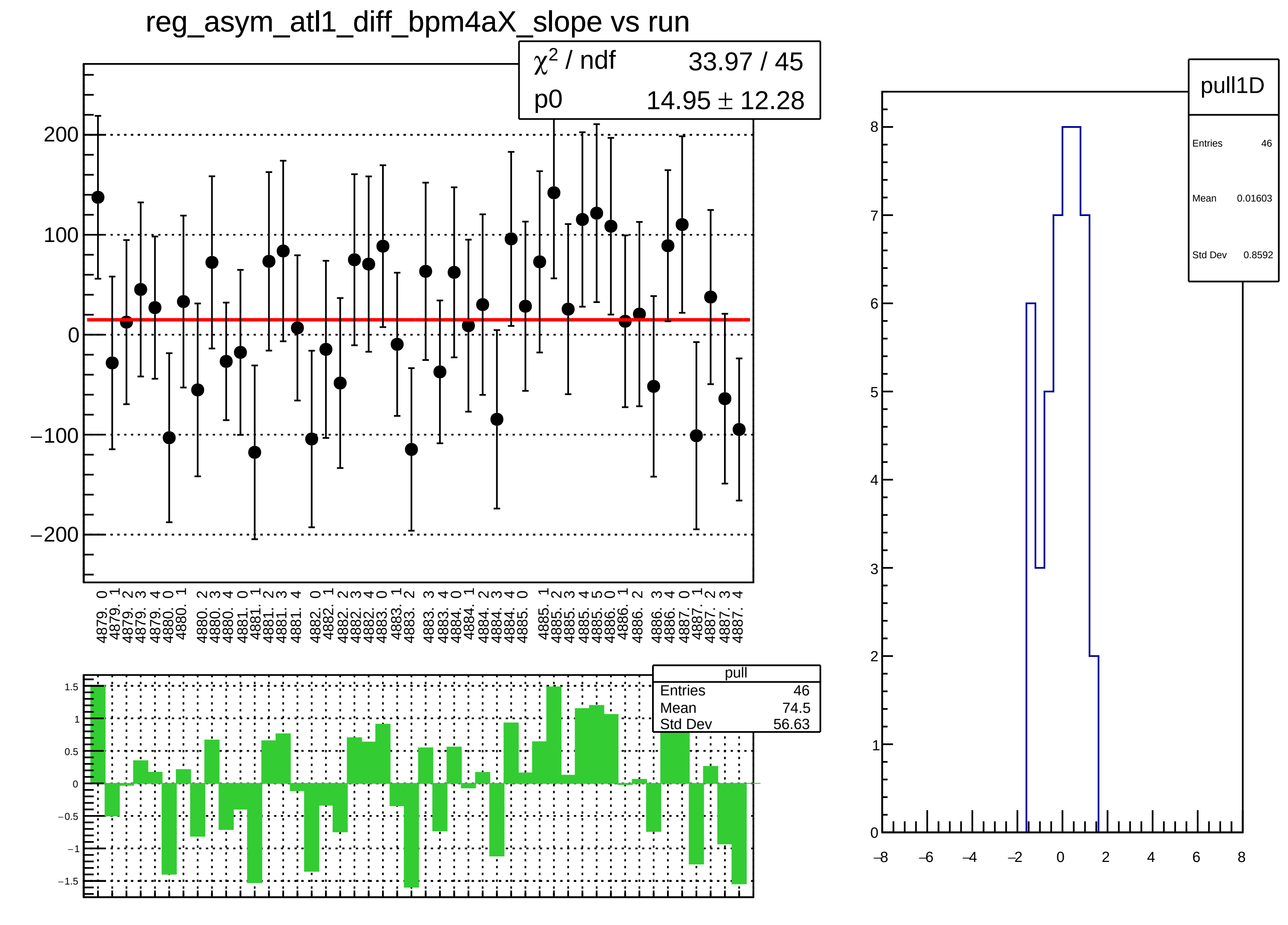


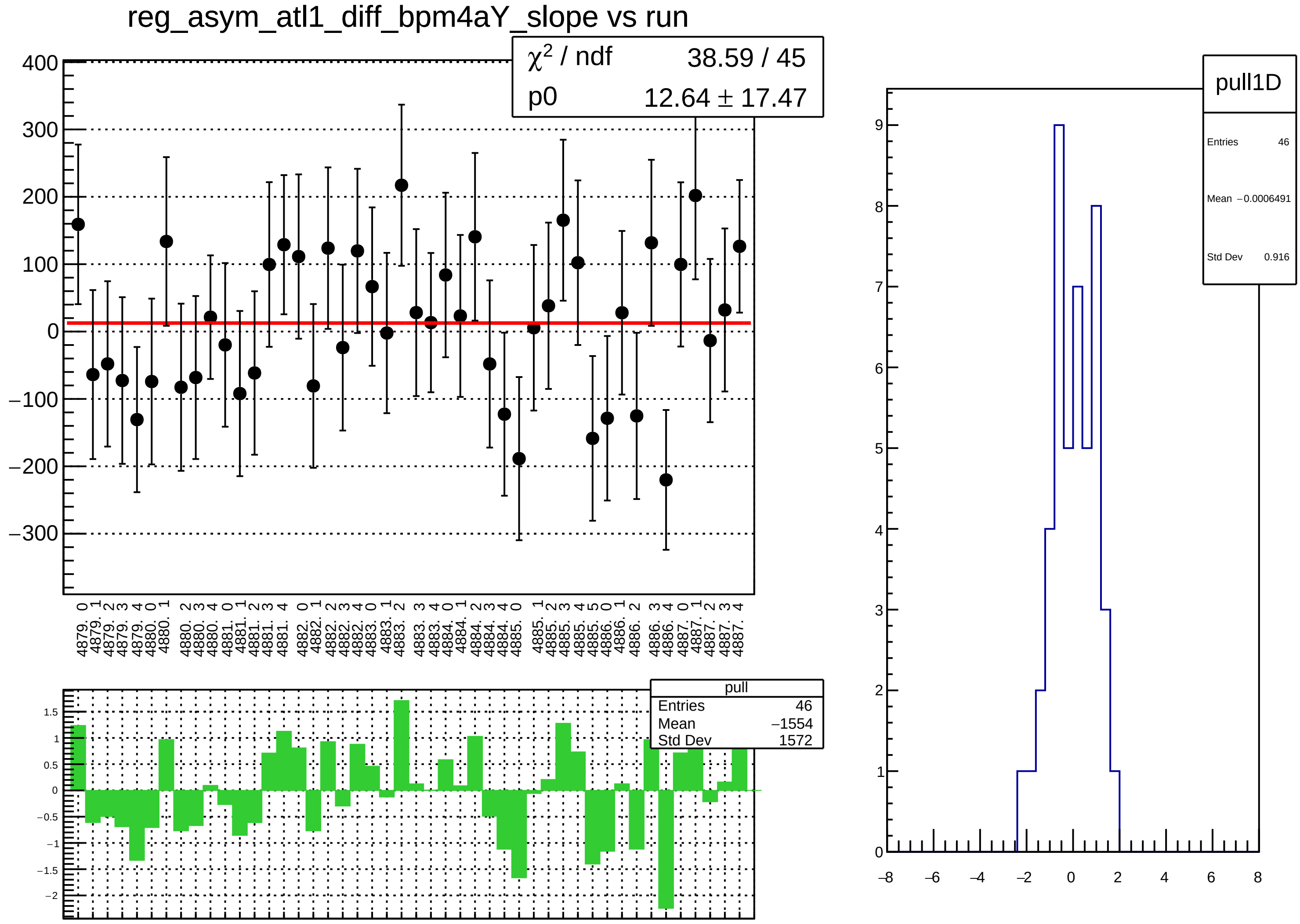
reg_asym_atr1_diff_bpm4eX_slope vs run
χ2 / ndf 66.68 / 45
p0 35.22 ± 2.449
pull
Entries 46
Mean −4059
Std Dev 4081
pull1D
Entries 46
Mean −0.00109
Std Dev 1.204



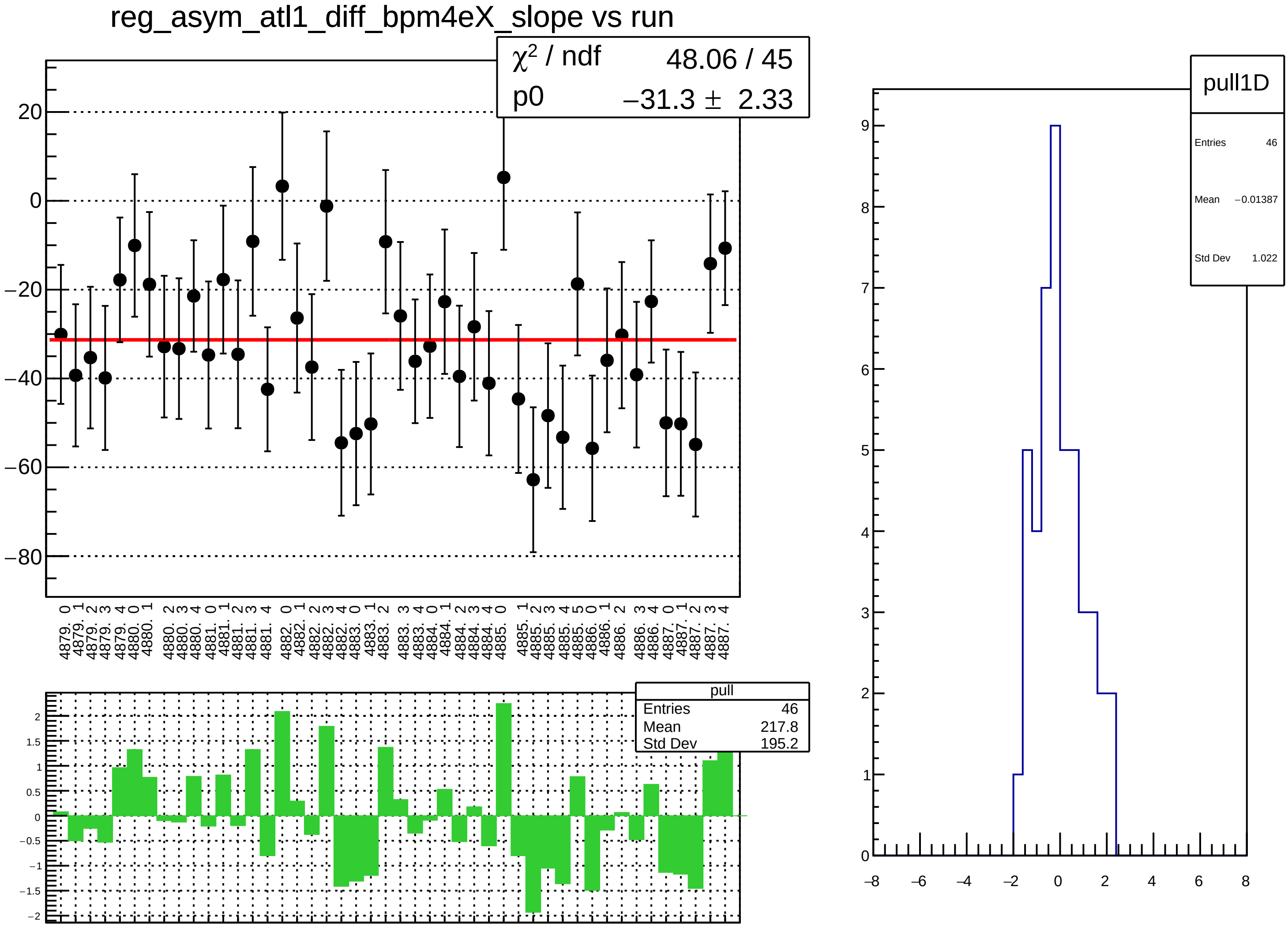
reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 51.91 / 45
p0 −38.02 ± 20.48
pull
Entries 46
Mean −186.5
Std Dev 216
pull1D
Entries 46
Mean −0.01047
Std Dev 1.062

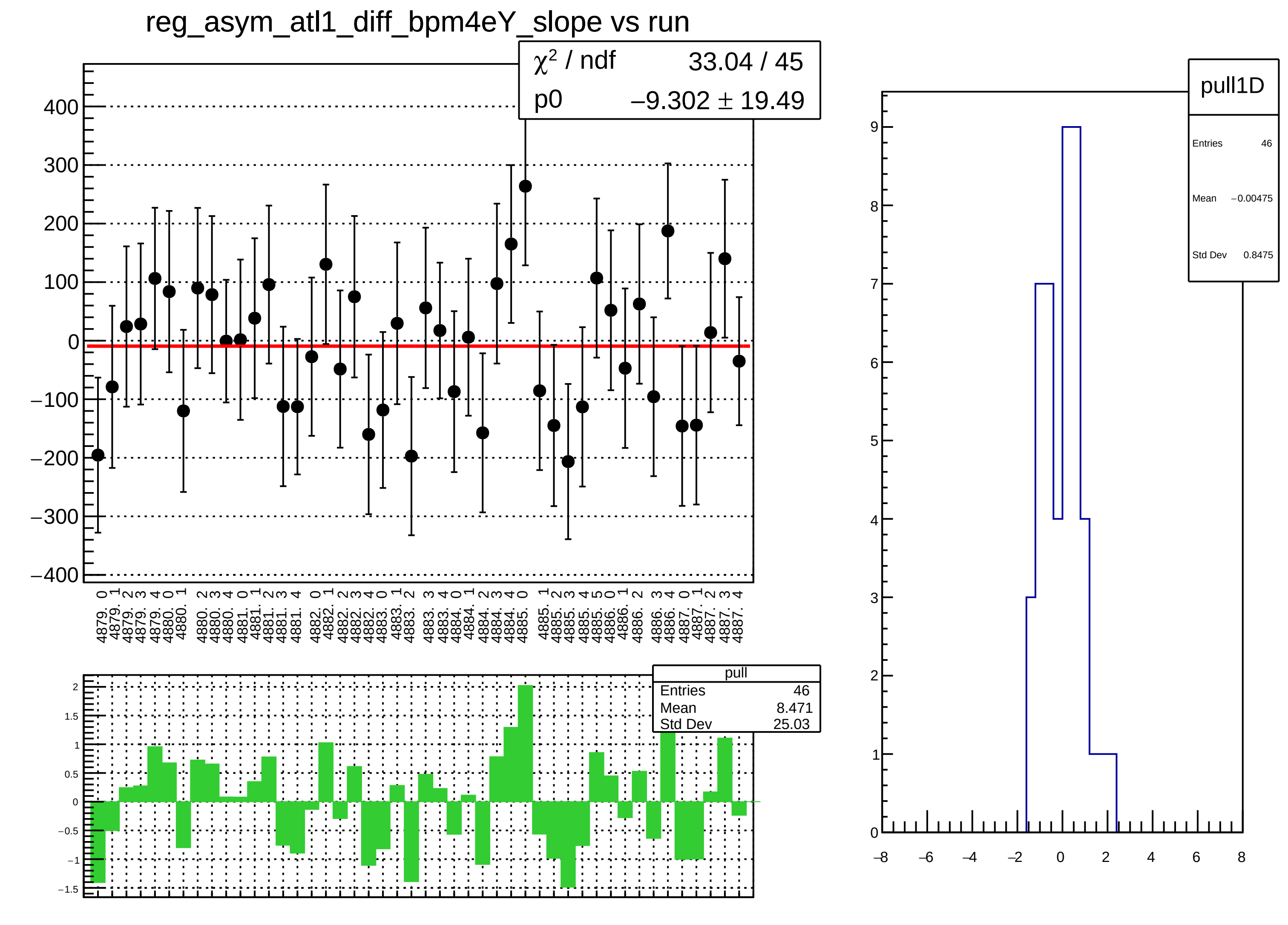

reg_asym_atr1_diff_bpm11X_slope vs run
χ^2 / ndf 55.66 / 45
p0 1.83 ± 3.369
pull
Entries 46
Mean 95.28
Std Dev 92.15
pull1D
Entries 46
Mean 0.00304
Std Dev 1.1


reg_asym_atl1_diff_bpm4aX_slope vs run
χ^2 / ndf 33.97 / 45
p0 14.95 ± 12.28
pull
Entries 46
Mean 74.5
Std Dev 56.63
pull1D
Entries 46
Mean 0.01603
Std Dev 0.8592

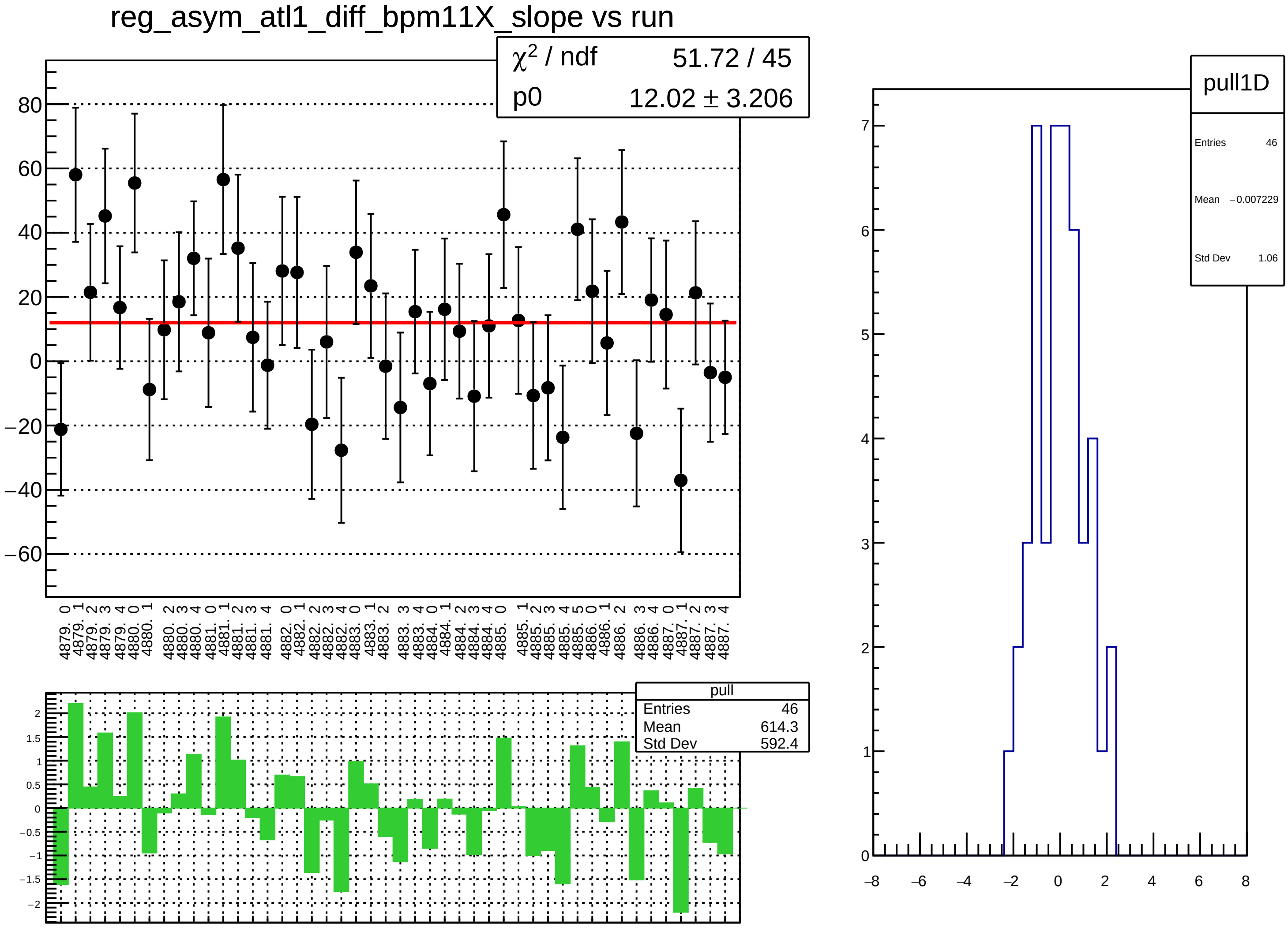


reg_asym_atl1_diff_bpm4aY_slope vs run
χ2 / ndf 38.59 / 45
p0 12.64 ± 17.47
pull
Entries 46
Mean −1554
Std Dev 1572
pull1D
Entries 46
Mean −0.0006491
Std Dev 0.916

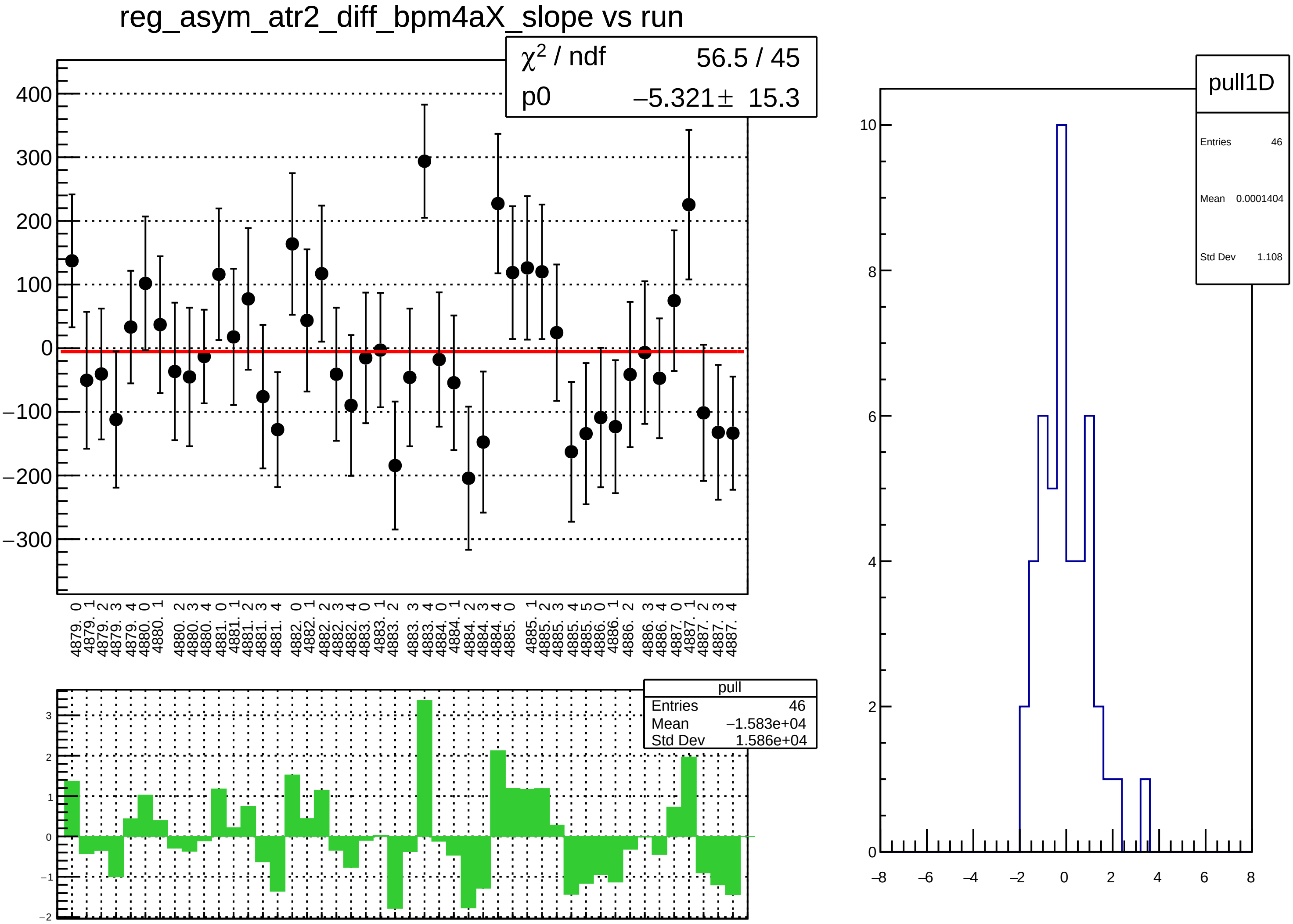

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 48.06 / 45
p0 −31.3 ± 2.33
pull
Entries 46
Mean 217.8
Std Dev 195.2
pull1D
Entries 46
Mean −0.01387
Std Dev 1.022



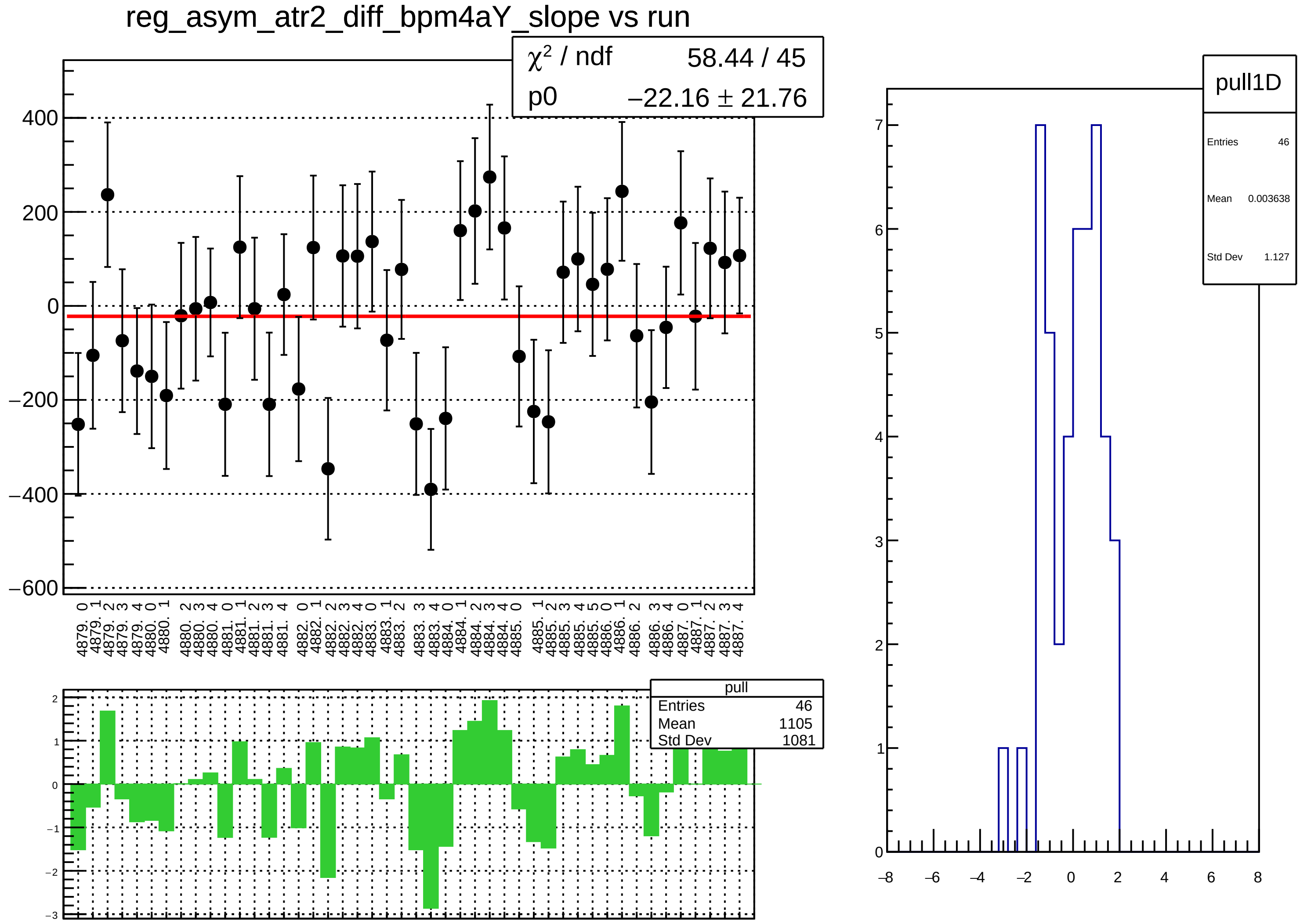
reg_asym_atl1_diff_bpm4eY_slope vs run
χ2 / ndf 33.04 / 45
p0 −9.302 ± 19.49
pull
Entries 46
Mean 8.471
Std Dev 25.03
pull1D
Entries 46
Mean −0.00475
Std Dev 0.8475



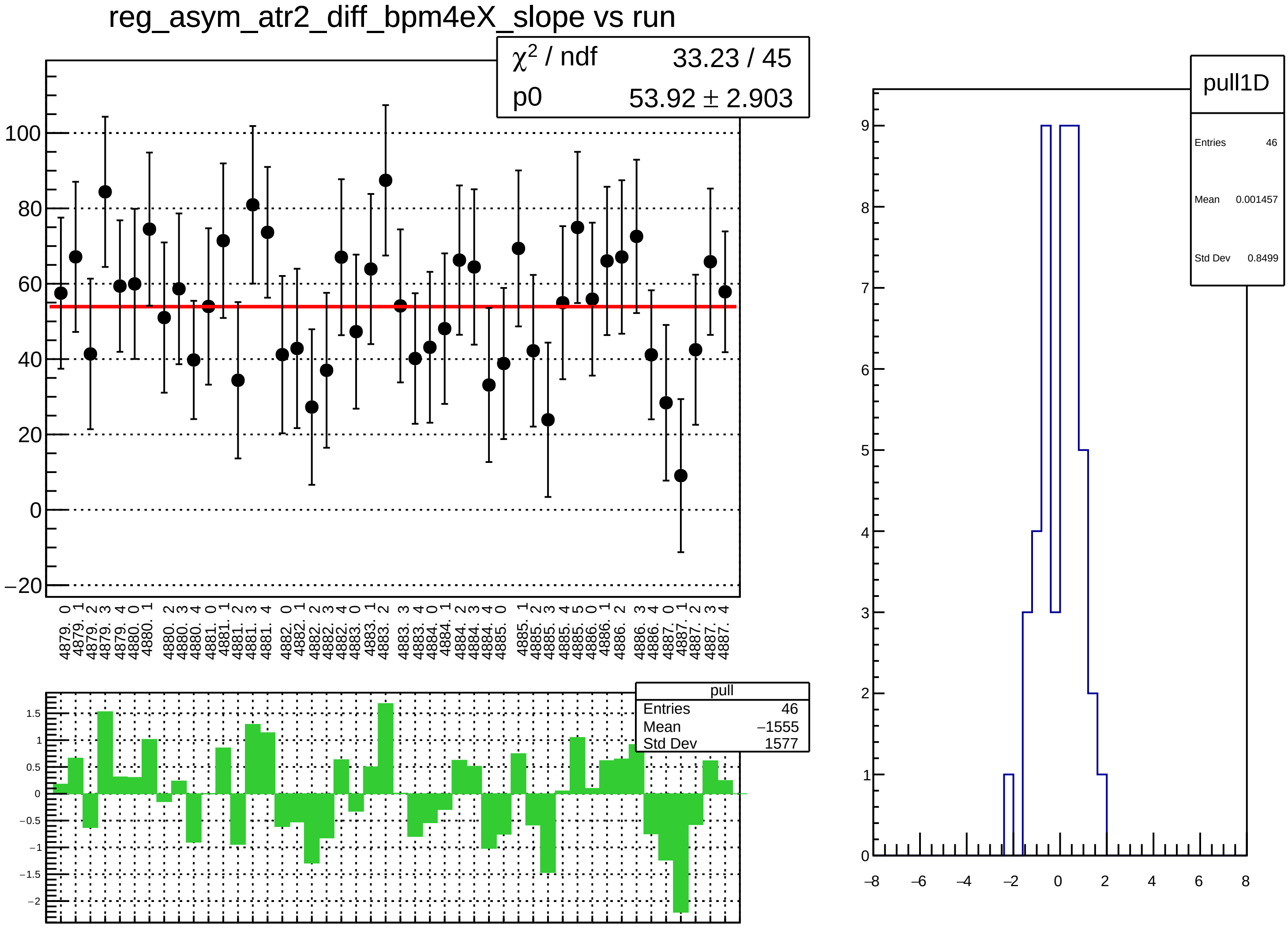
reg_asym_atl1_diff_bpm11X_slope vs run
χ^2 / ndf 51.72 / 45
p0 12.02 ± 3.206
pull
Entries 46
Mean 614.3
Std Dev 592.4
pull1D
Entries 46
Mean −0.007229
Std Dev 1.06



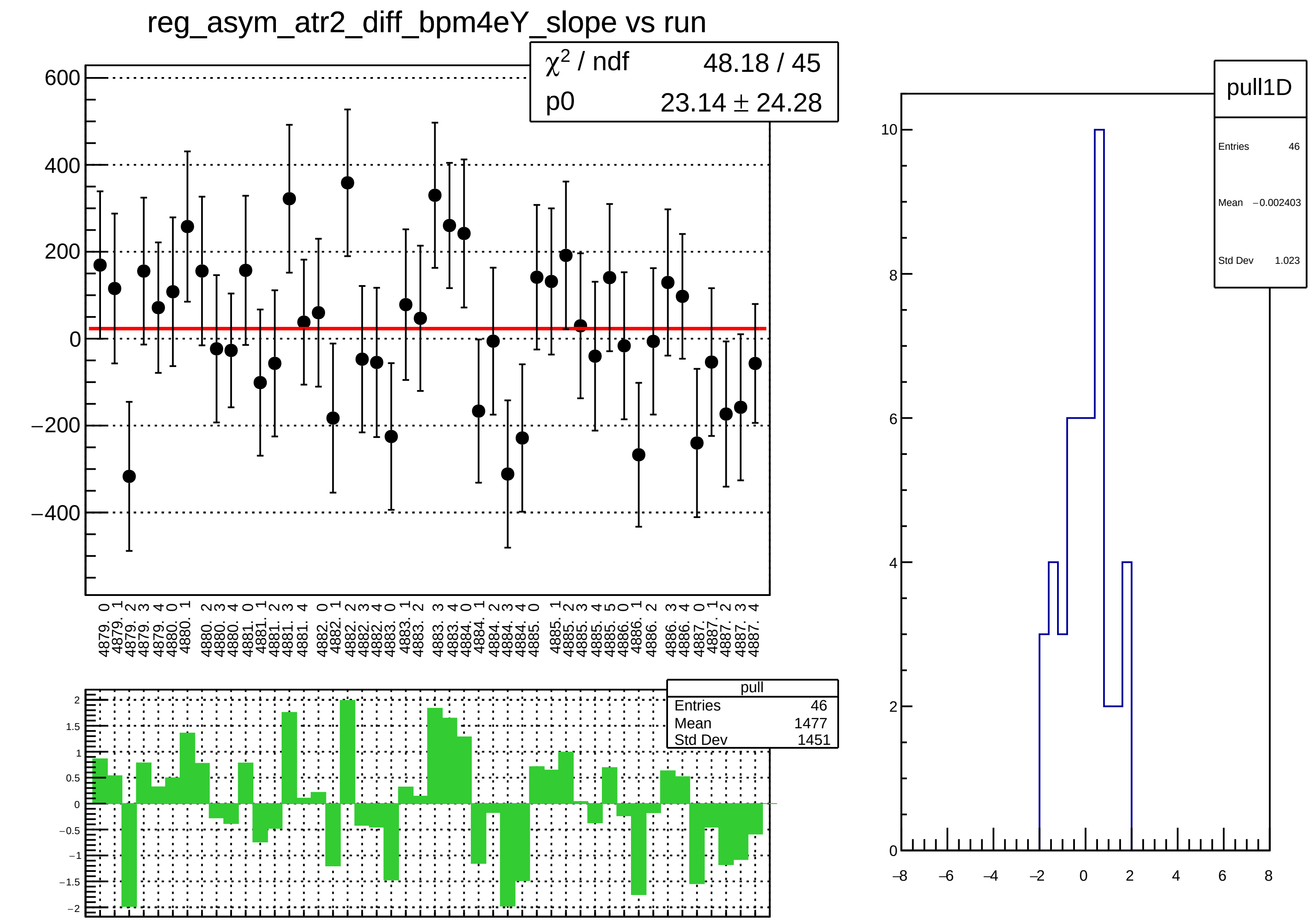
reg_asym_atr2_diff_bpm4aX_slope vs run
χ2 / ndf 56.5 / 45
p0 −5.321 ± 15.3
pull
Entries 46
Mean −1.583e+04
Std Dev 1.586e+04
pull1D
Entries 46
Mean 0.0001404
Std Dev 1.108



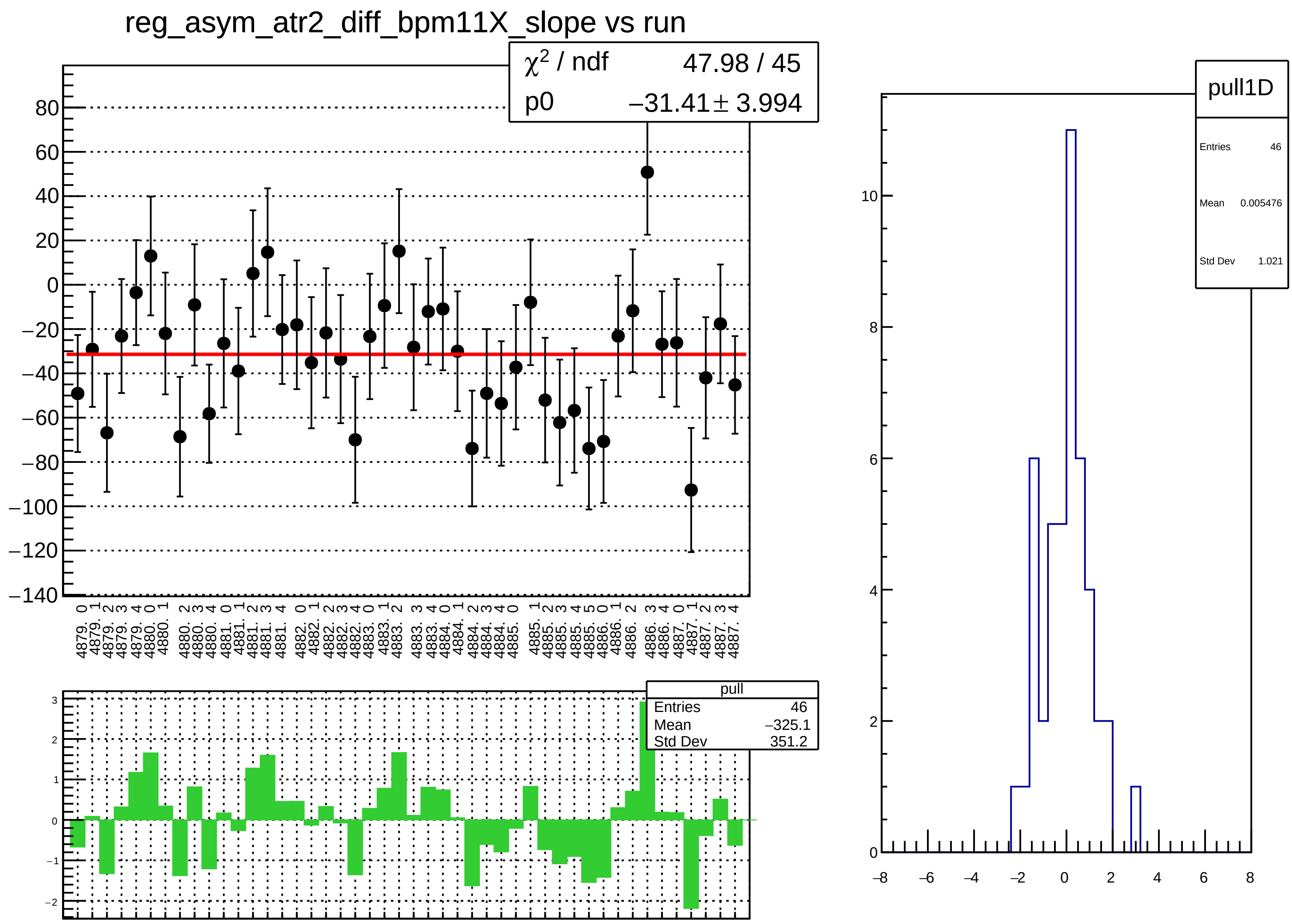
reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 58.44 / 45
p0 −22.16 ± 21.76
pull
Entries 46
Mean 1105
Std Dev 1081
pull1D
Entries 46
Mean 0.003638
Std Dev 1.127



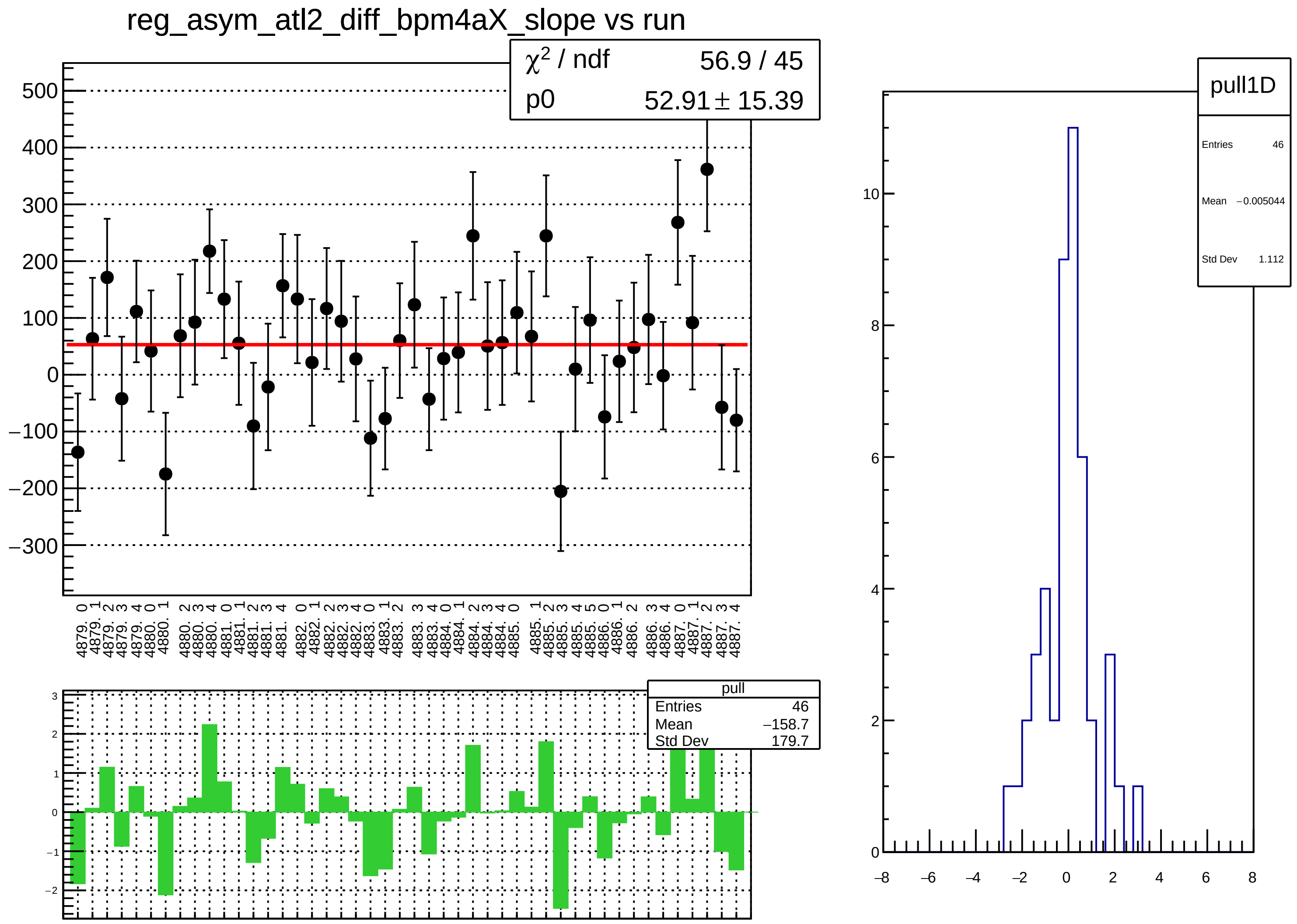
reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 33.23 / 45
p0 53.92 ± 2.903
pull
Entries 46
Mean −1555
Std Dev 1577
pull1D
Entries 46
Mean 0.001457
Std Dev 0.8499

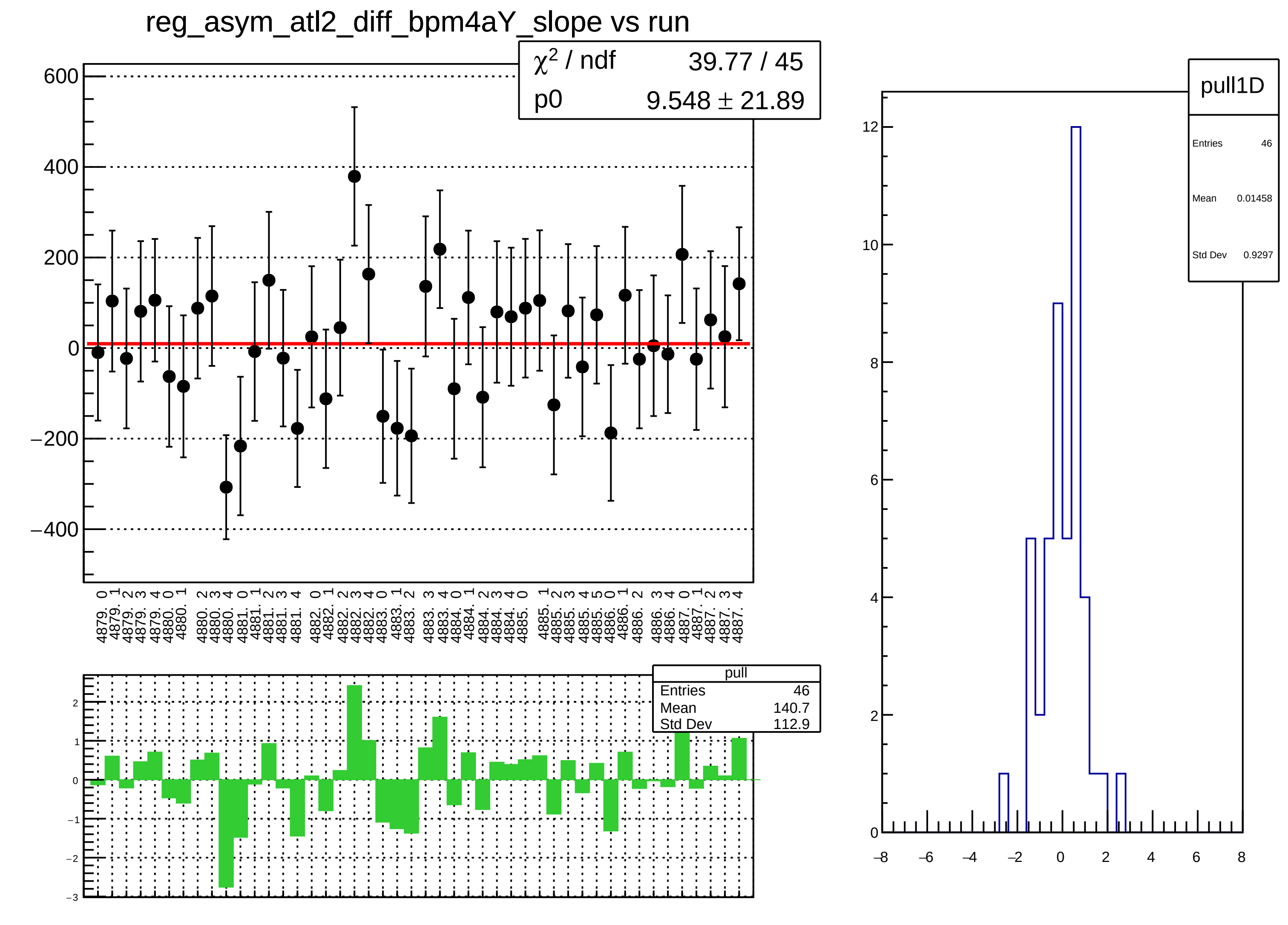


reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 48.18 / 45
p0 23.14 ± 24.28
pull
Entries 46
Mean 1477
Std Dev 1451
pull1D
Entries 46
Mean −0.002403
Std Dev 1.023

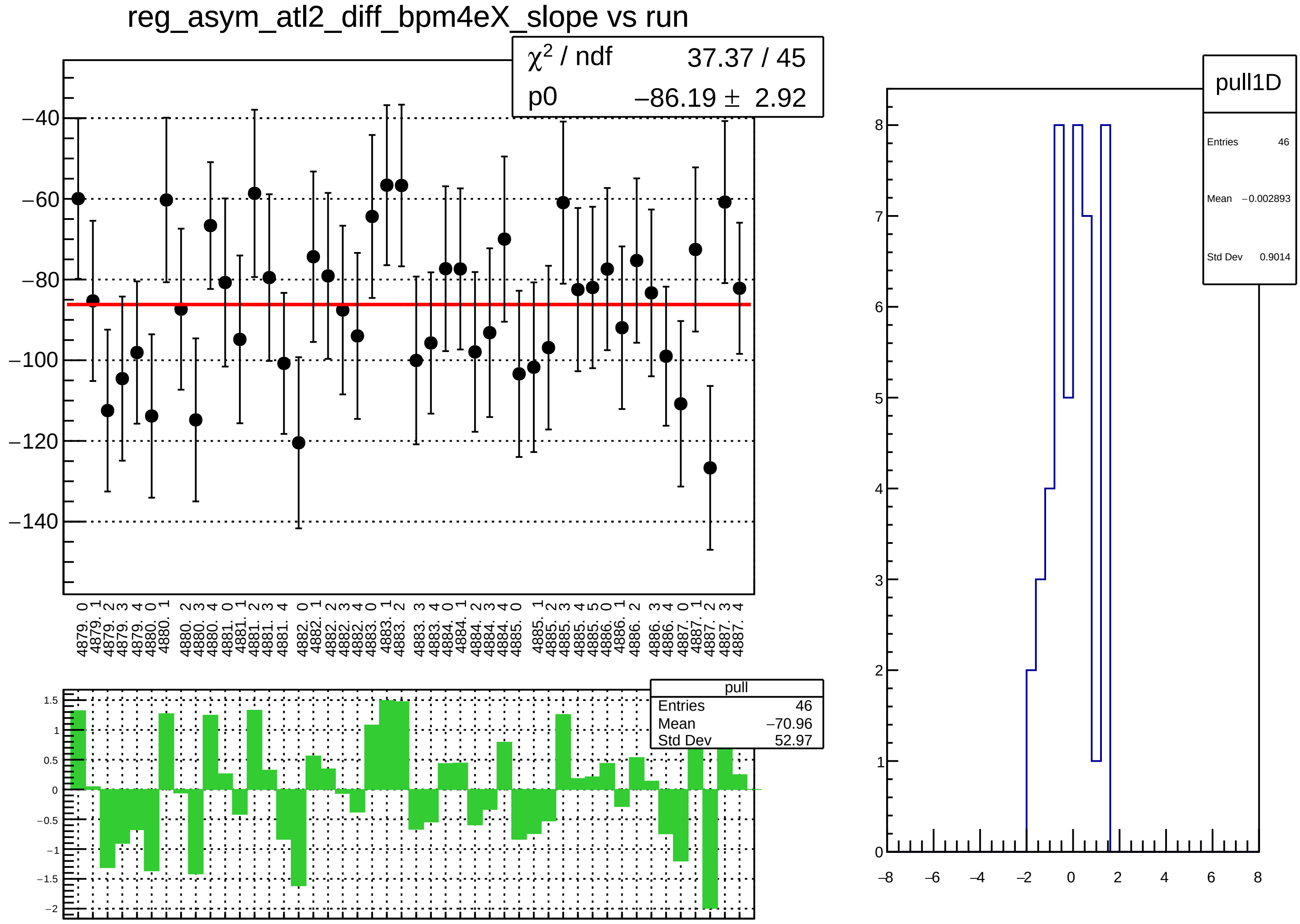


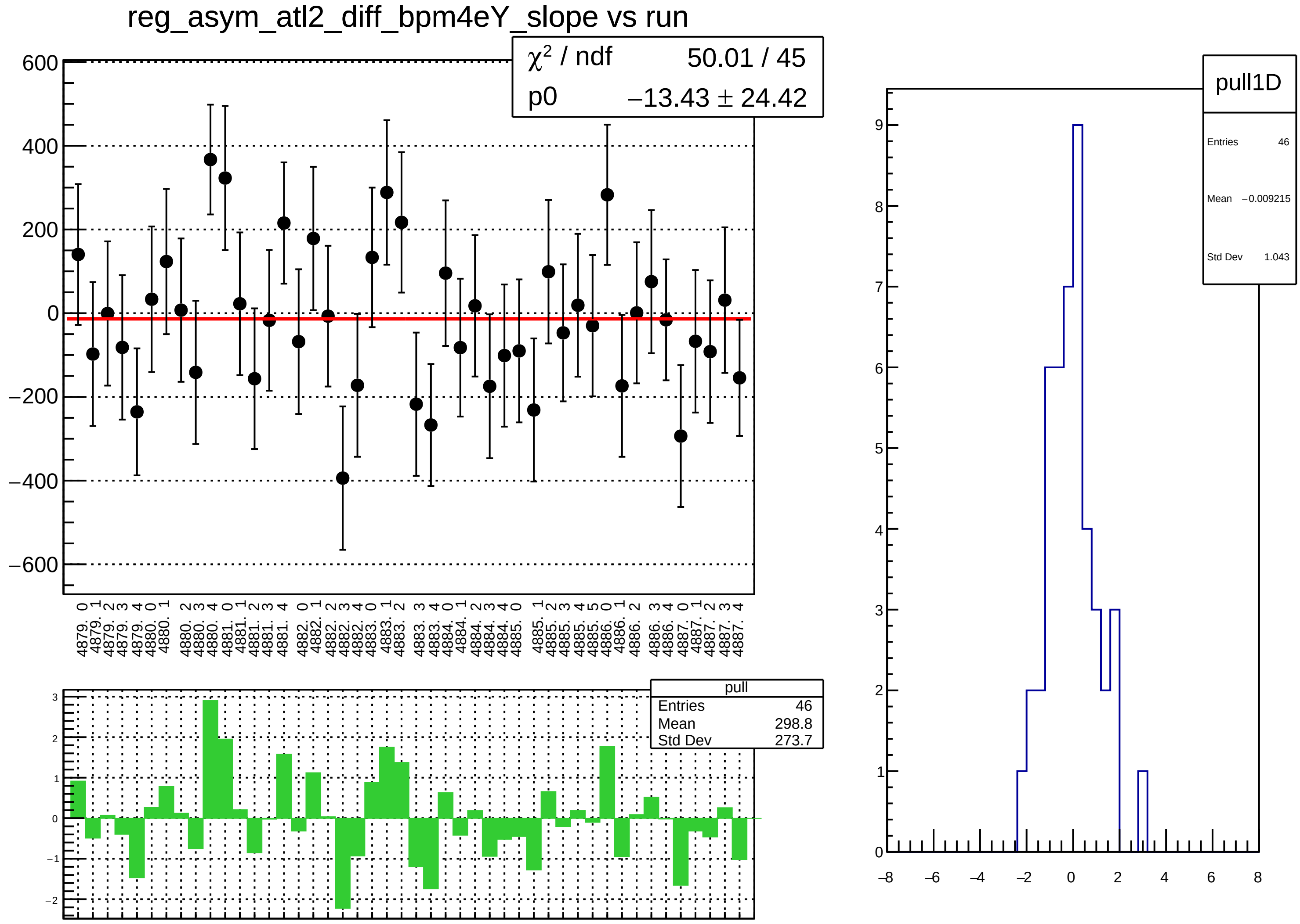
reg_asym_atr2_diff_bpm11X_slope vs run
χ^2 / ndf 47.98 / 45
p0 −31.41 ± 3.994
pull
Entries 46
Mean −325.1
Std Dev 351.2
pull1D
Entries 46
Mean 0.005476
Std Dev 1.021


reg_asym_atl2_diff_bpm4aX_slope vs run
χ2 / ndf 56.9 / 45
p0 52.91 ± 15.39
pull
Entries 46
Mean −158.7
Std Dev 179.7
pull1D
Entries 46
Mean −0.005044
Std Dev 1.112

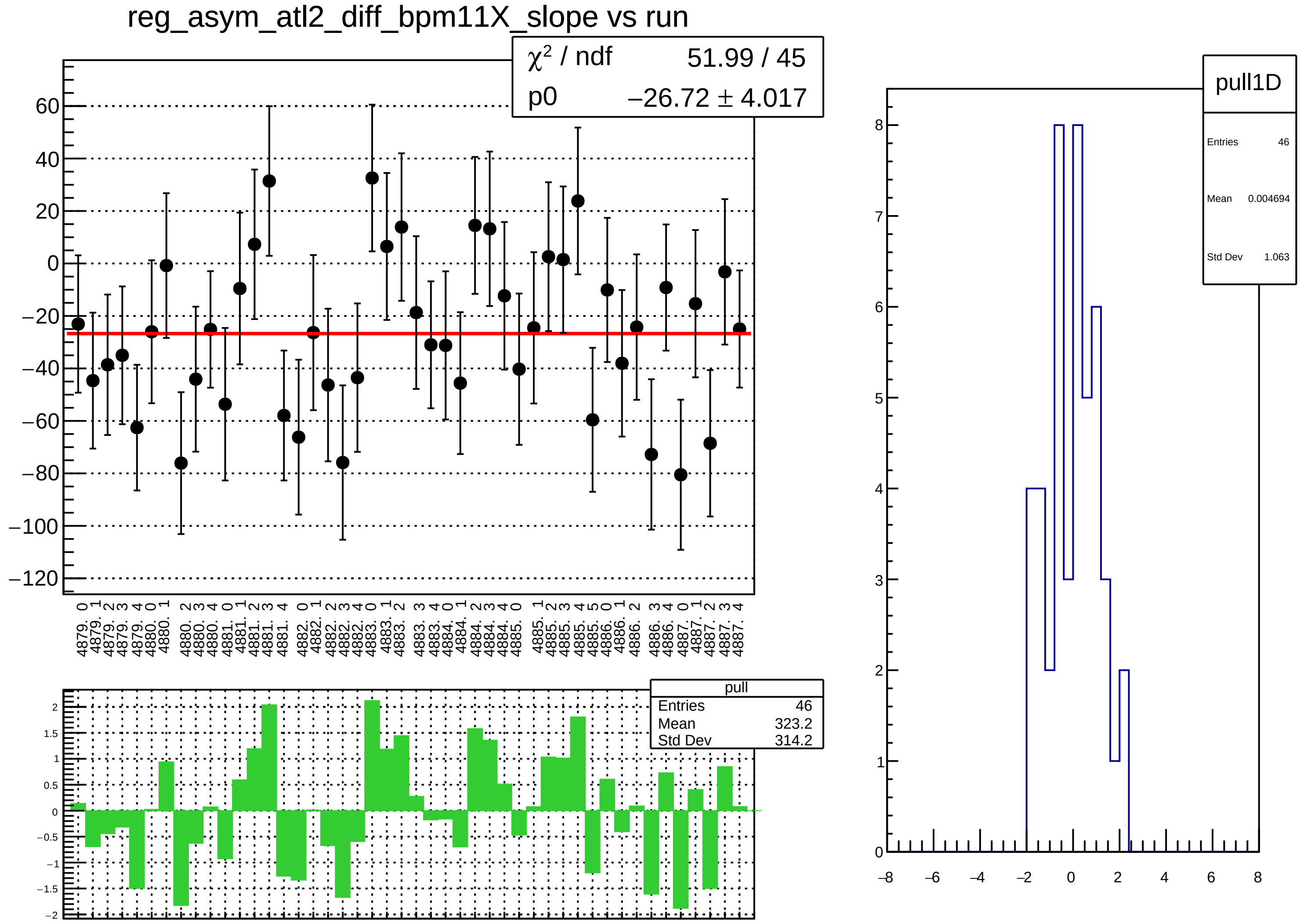


reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 39.77 / 45
p0 9.548 ± 21.89
600
400
200
0
−200
−400
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 140.7
Std Dev 112.9
2
1
0
−1
−2
−3
pull1D
Entries 46
Mean 0.01458
Std Dev 0.9297
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

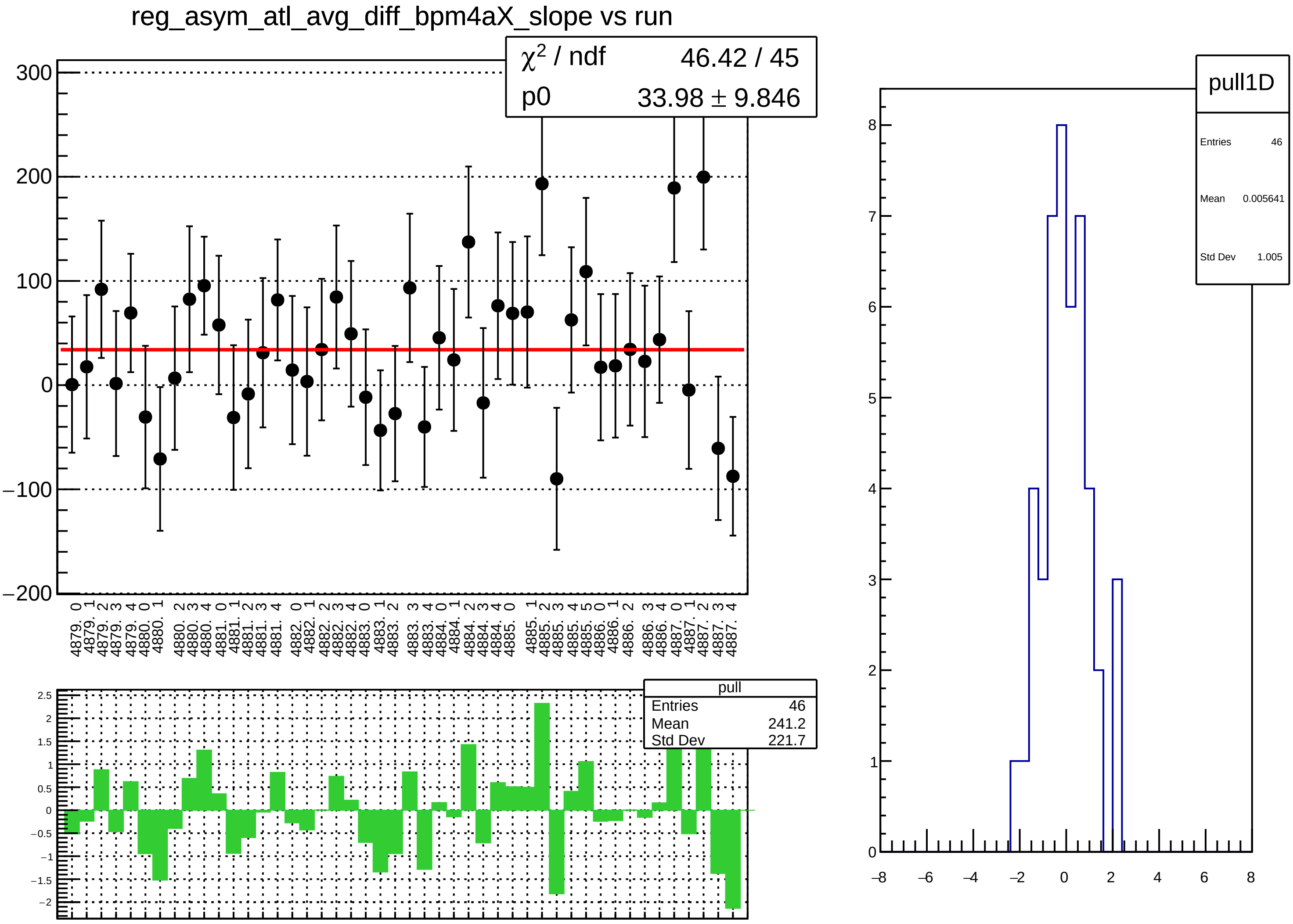

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 37.37 / 45
p0 −86.19 ± 2.92
pull
Entries 46
Mean −70.96
Std Dev 52.97
pull1D
Entries 46
Mean −0.002893
Std Dev 0.9014

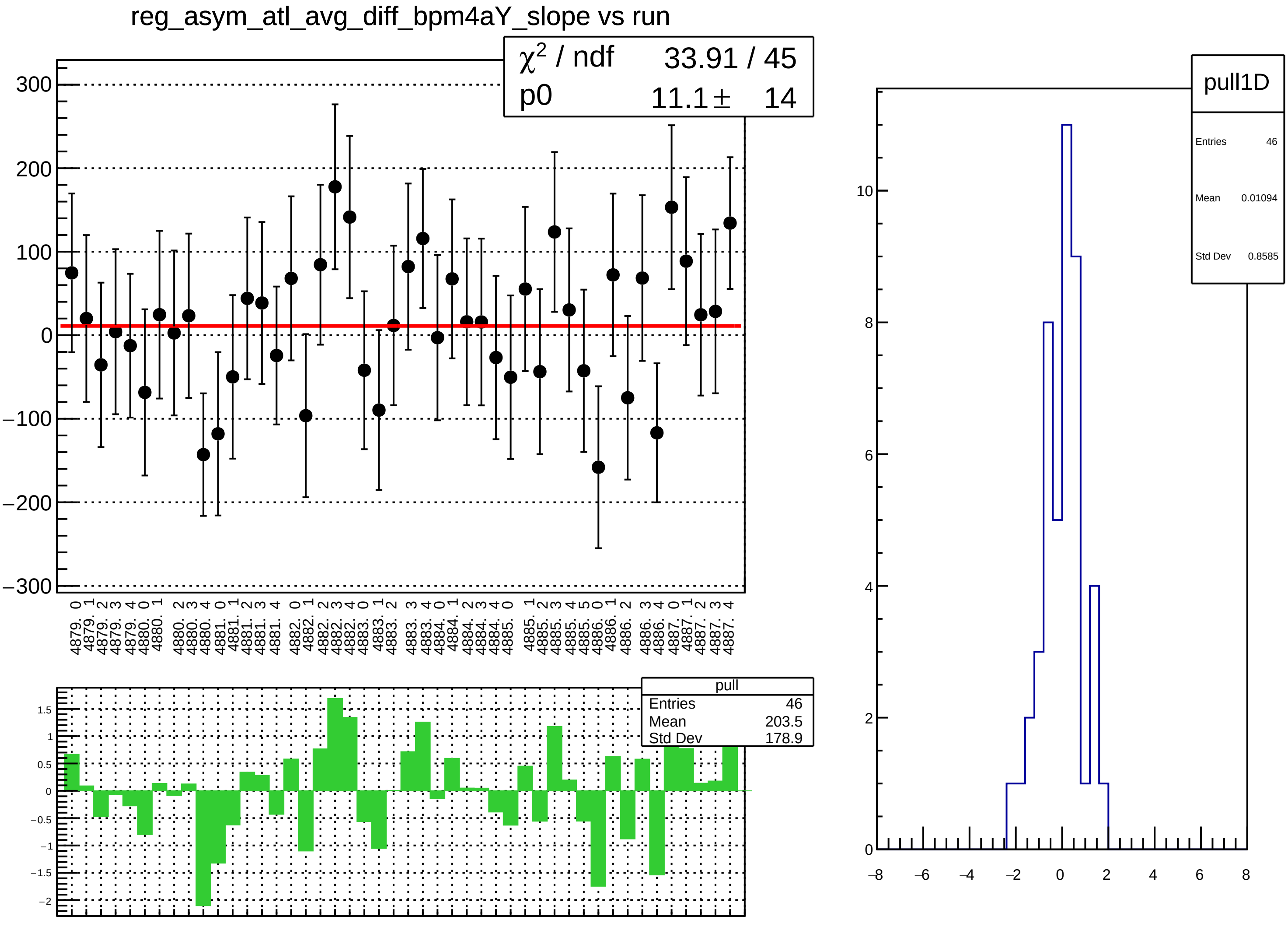


reg_asym_atl2_diff_bpm4eY_slope vs run
χ2 / ndf 50.01 / 45
p0 −13.43 ± 24.42
pull
Entries 46
Mean 298.8
Std Dev 273.7
pull1D
Entries 46
Mean −0.009215
Std Dev 1.043

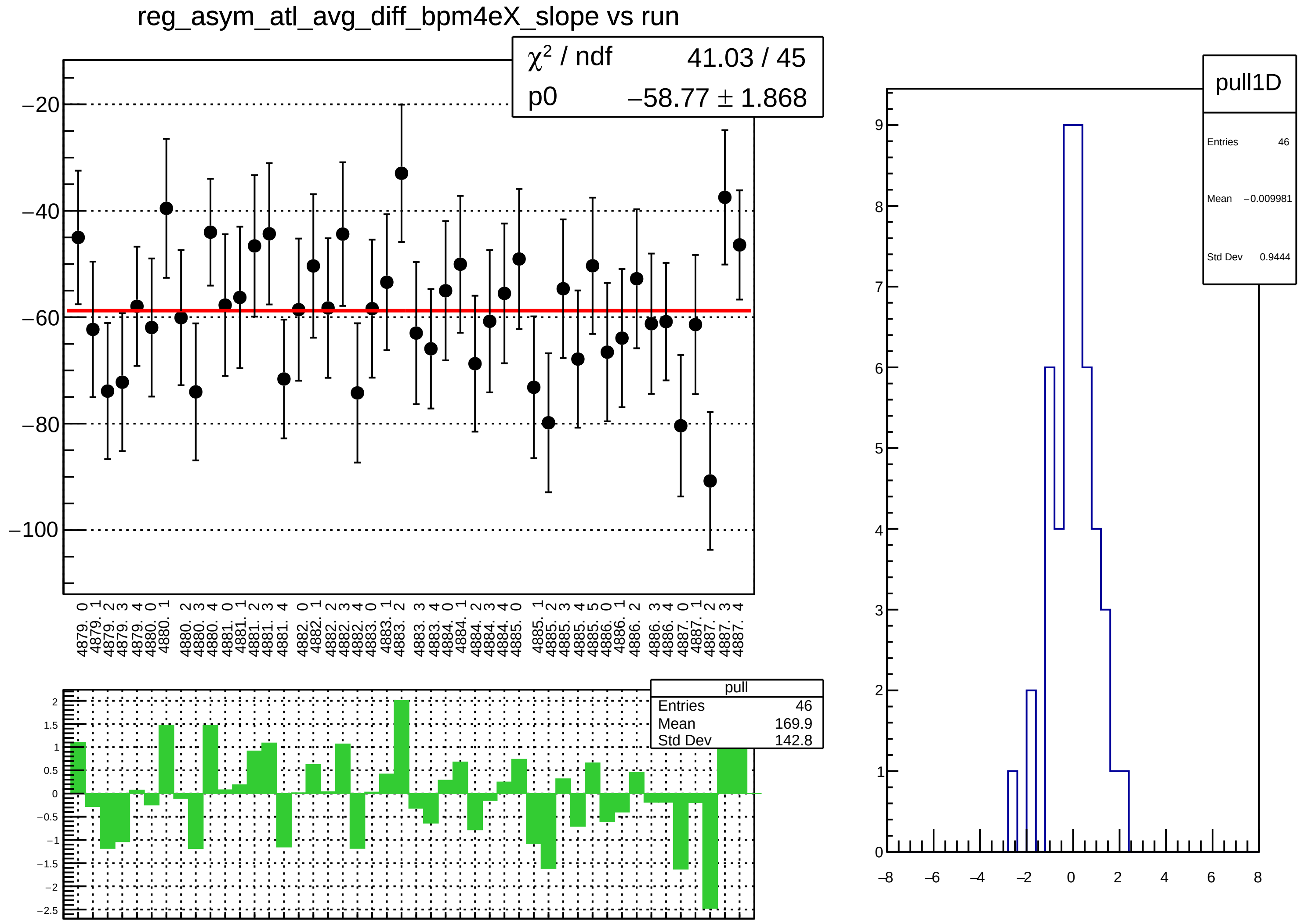


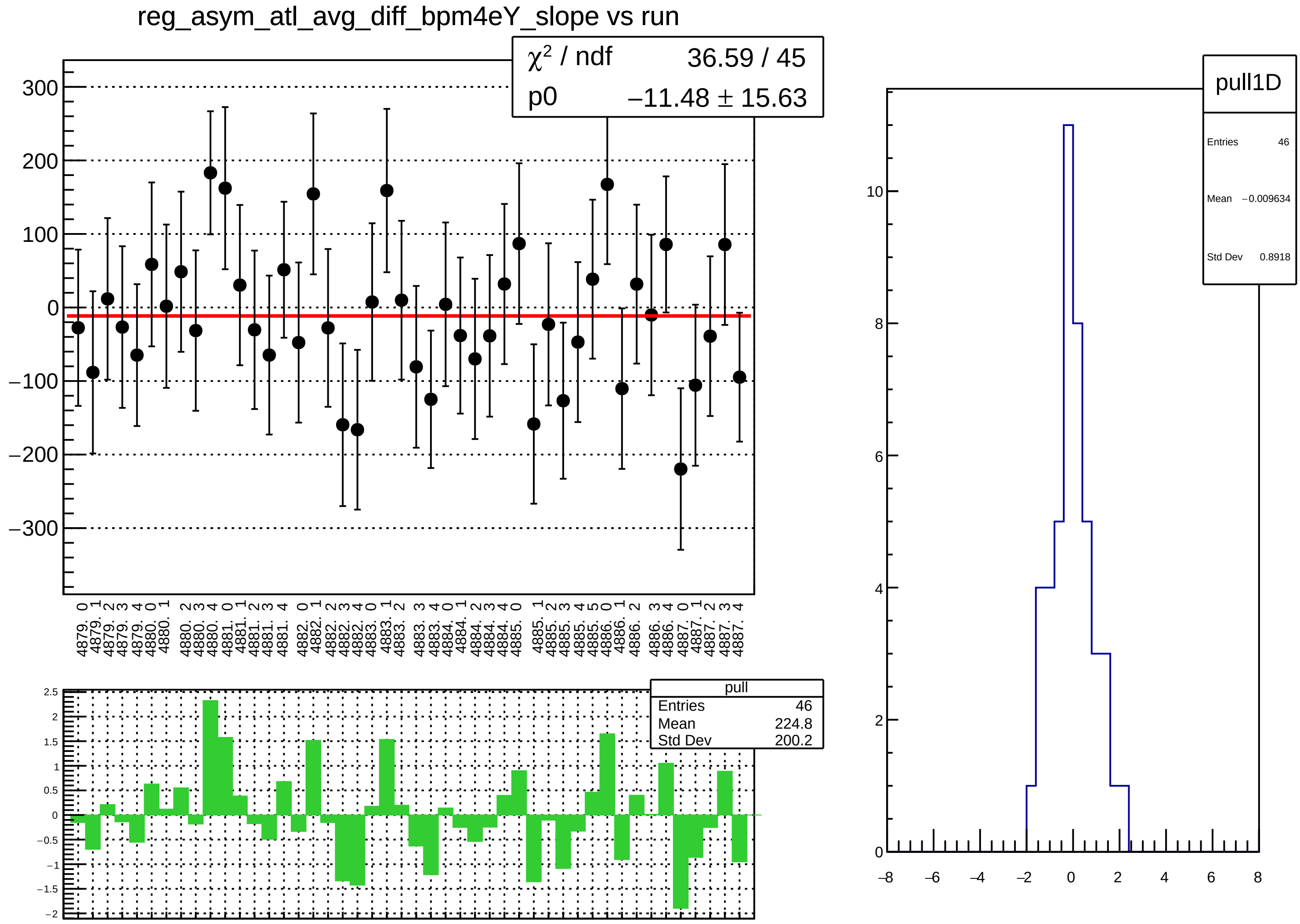
reg_asym_atl2_diff_bpm11X_slope vs run
χ^2 / ndf 51.99 / 45
p0 −26.72 ± 4.017
pull
Entries 46
Mean 323.2
Std Dev 314.2
pull1D
Entries 46
Mean 0.004694
Std Dev 1.063

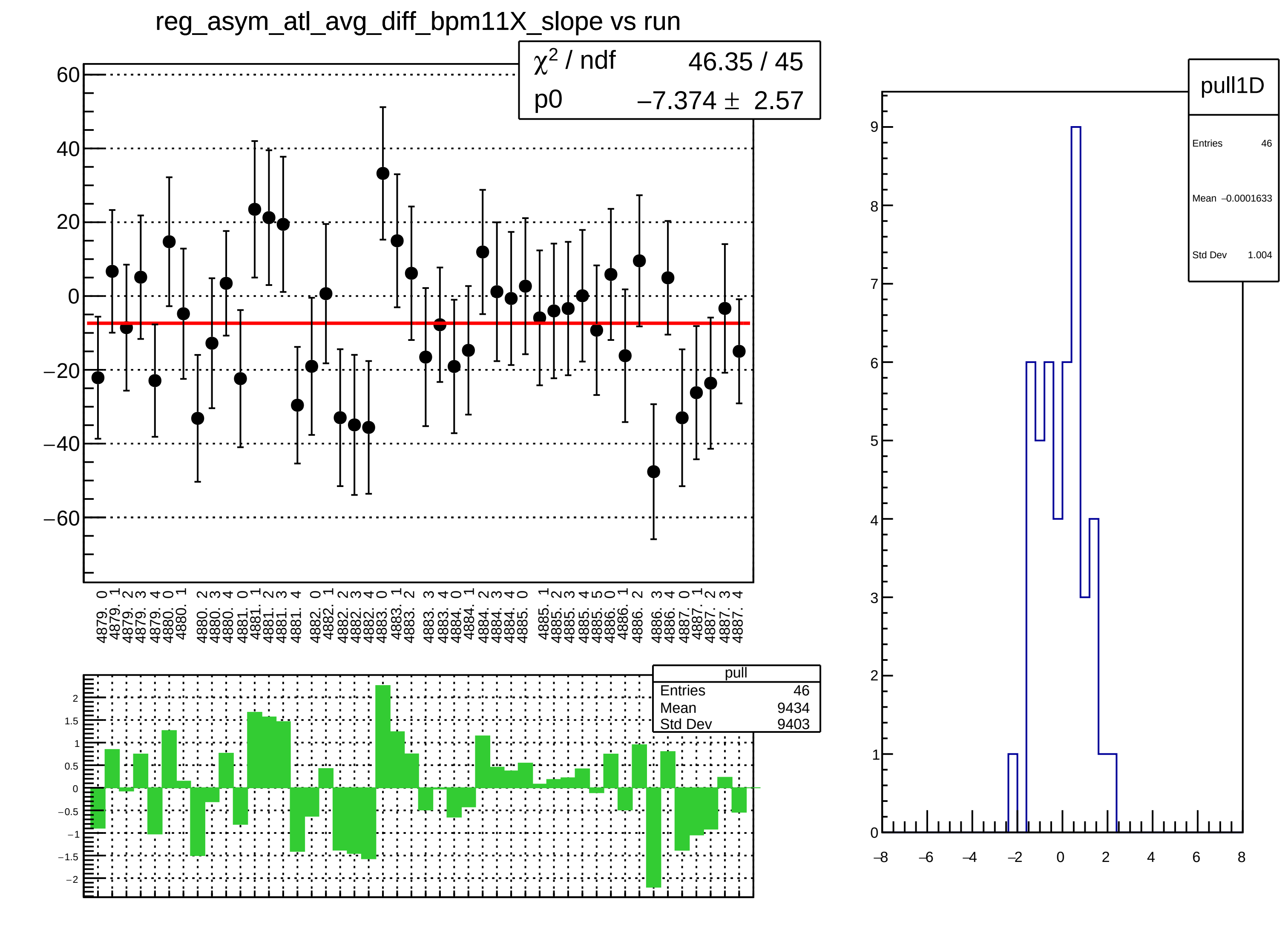

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 46.42 / 45
p0 33.98 ± 9.846
pull
Entries 46
Mean 241.2
Std Dev 221.7
pull1D
Entries 46
Mean 0.005641
Std Dev 1.005

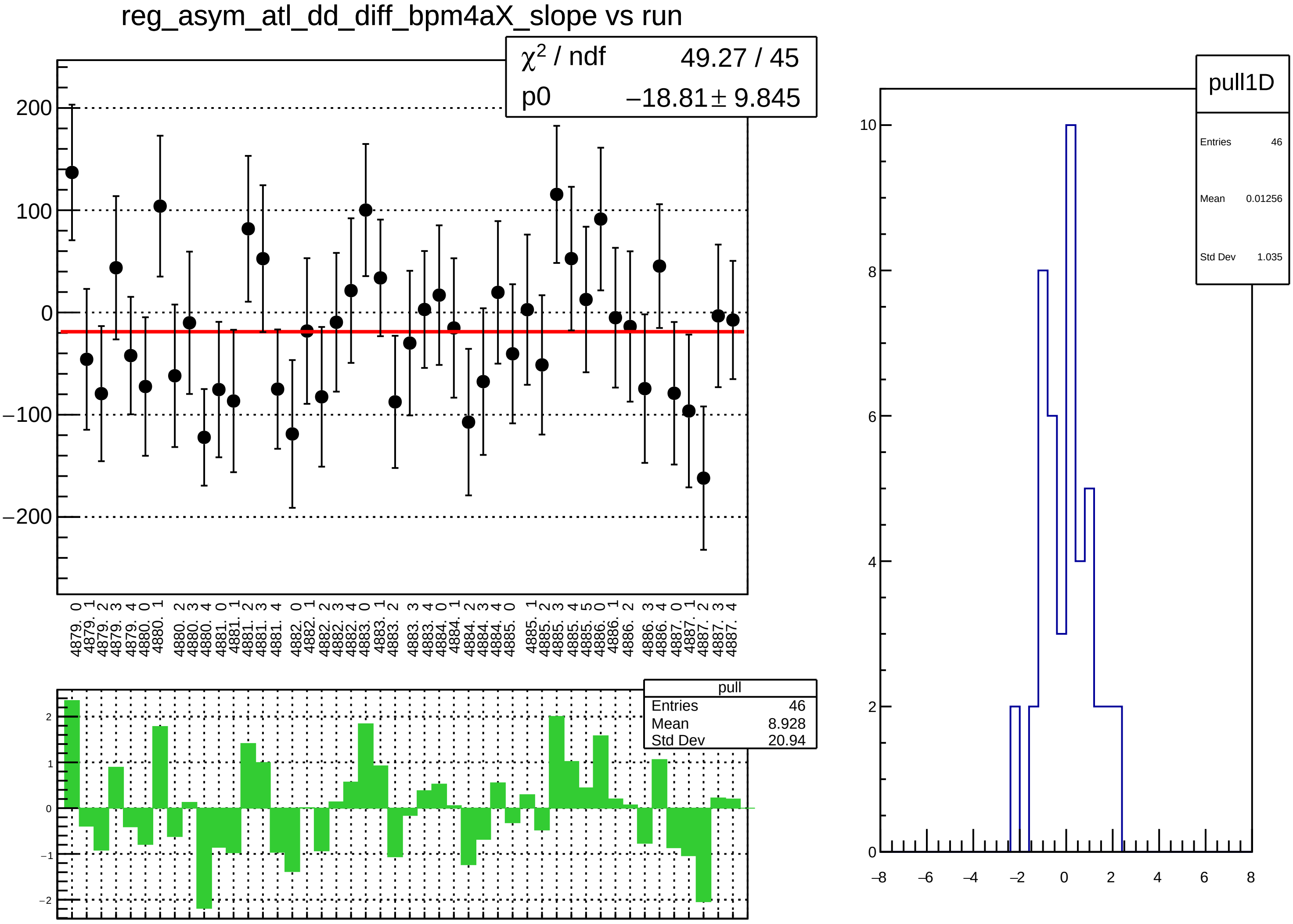


reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 33.91 / 45
p0 11.1 ± 14
pull
Entries 46
Mean 203.5
Std Dev 178.9
pull1D
Entries 46
Mean 0.01094
Std Dev 0.8585

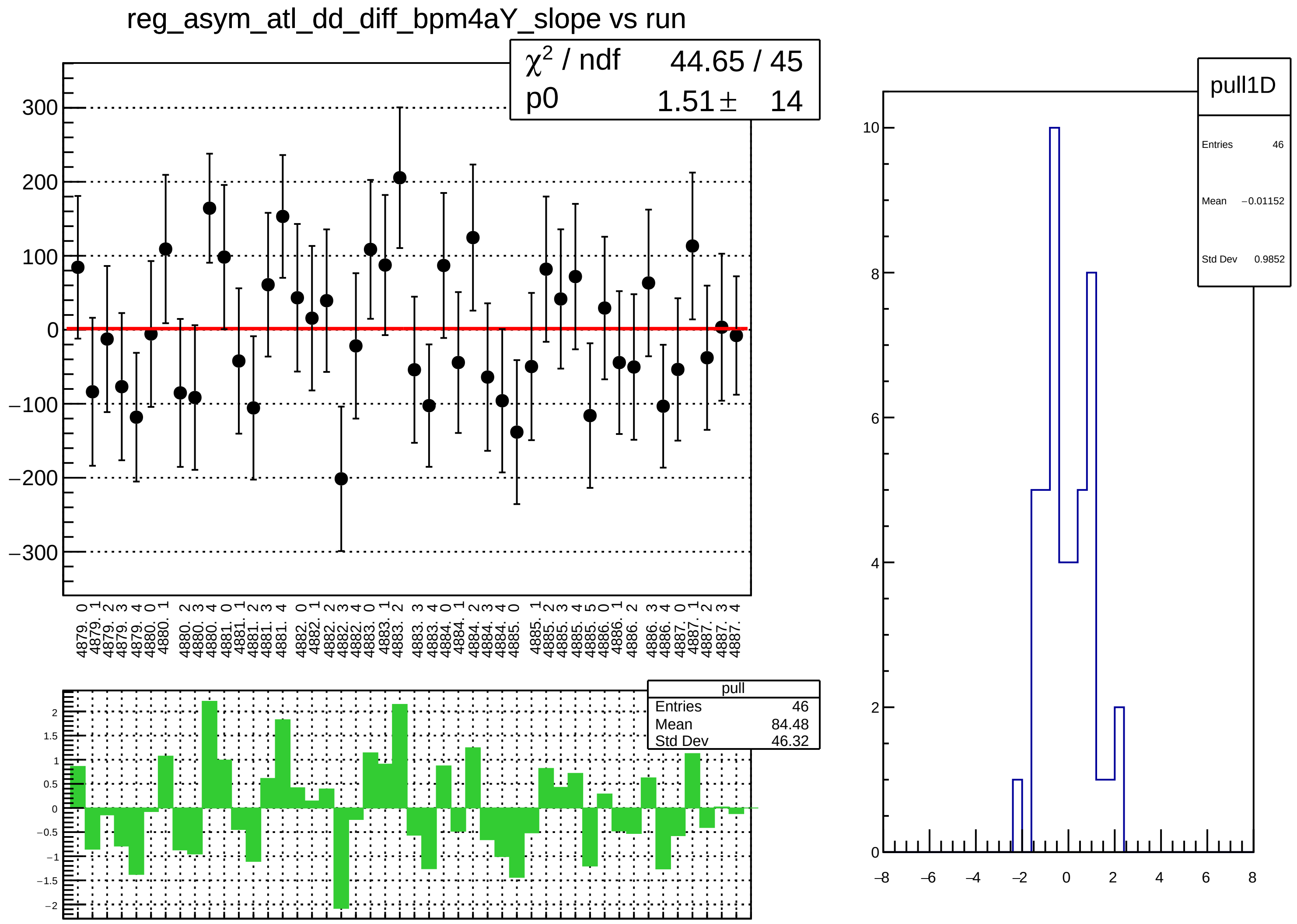

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 41.03 / 45
p0 −58.77 ± 1.868
pull
Entries 46
Mean 169.9
Std Dev 142.8
pull1D
Entries 46
Mean −0.009981
Std Dev 0.9444


reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 36.59 / 45
p0 −11.48 ± 15.63
pull
Entries 46
Mean 224.8
Std Dev 200.2
pull1D
Entries 46
Mean −0.009634
Std Dev 0.8918


reg_asym_atl_avg_diff_bpm11X_slope vs run
χ2 / ndf 46.35 / 45
p0 −7.374 ± 2.57
pull
Entries 46
Mean 9434
Std Dev 9403
pull1D
Entries 46
Mean −0.0001633
Std Dev 1.004

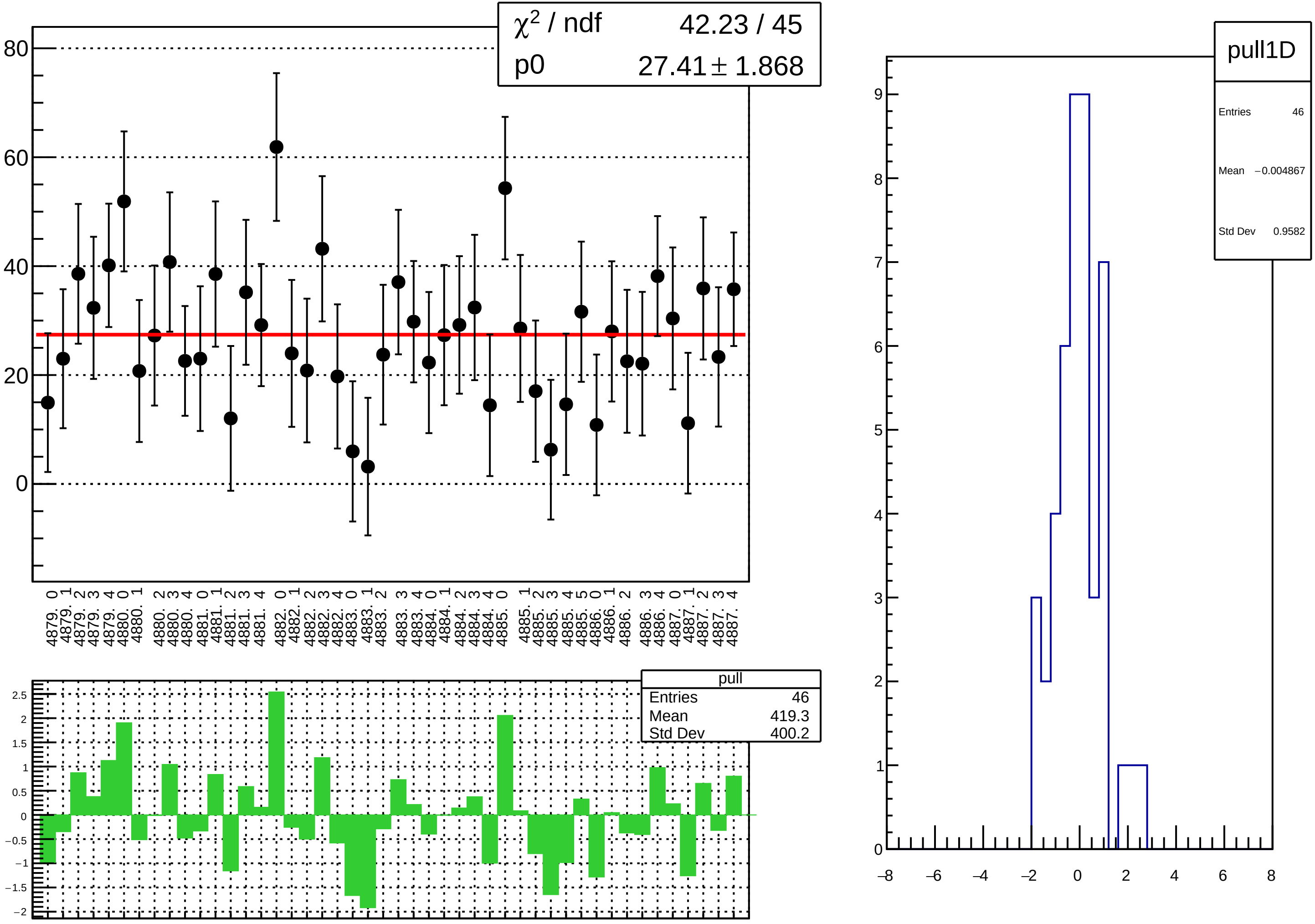


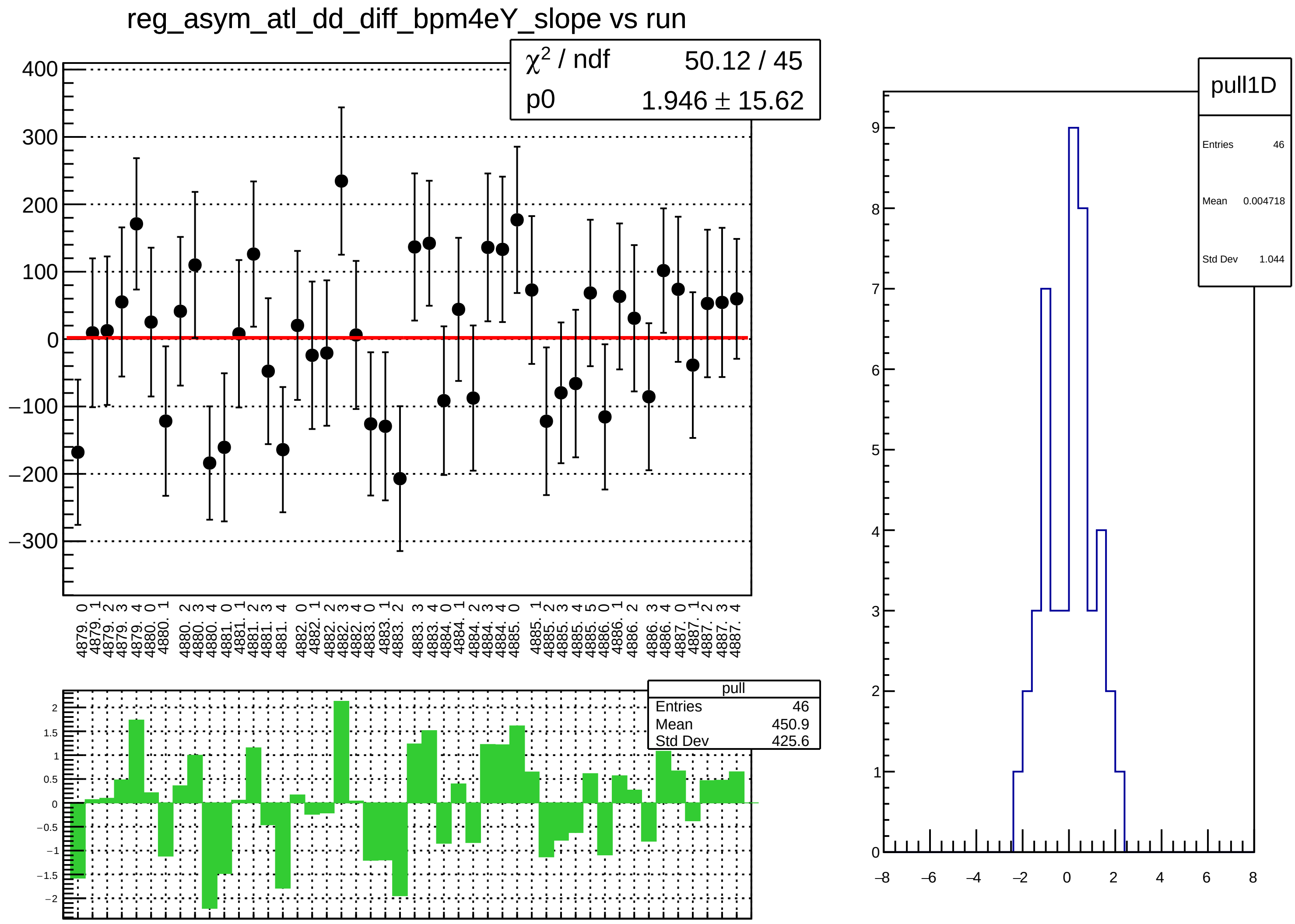
reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 49.27 / 45
p0 −18.81 ± 9.845
pull
Entries 46
Mean 8.928
Std Dev 20.94
pull1D
Entries 46
Mean 0.01256
Std Dev 1.035



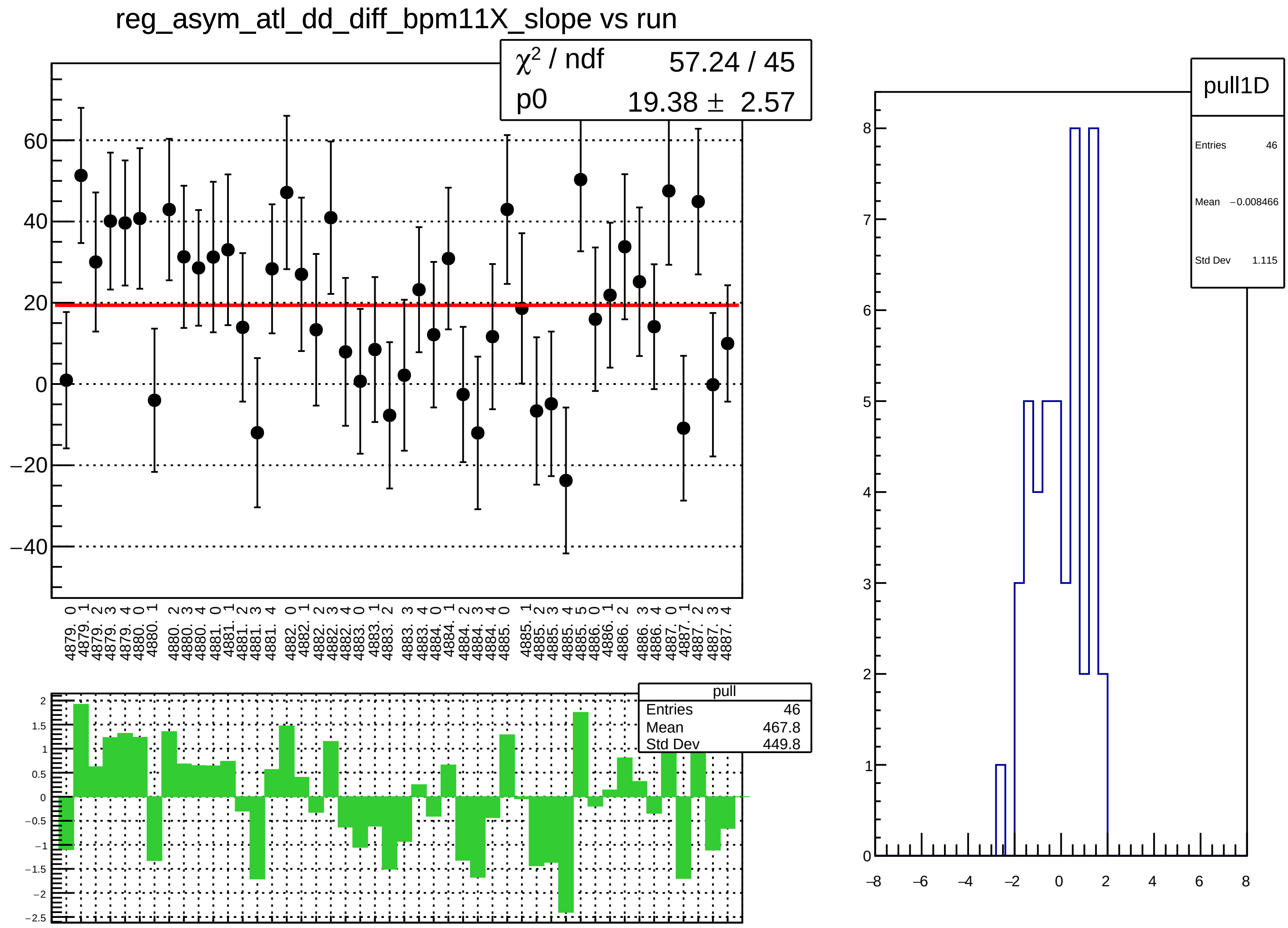
reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 44.65 / 45
p0 1.51 ± 14
pull
Entries 46
Mean 84.48
Std Dev 46.32
pull1D
Entries 46
Mean −0.01152
Std Dev 0.9852

reg_asym_atl_dd_diff_bpm4eX_slope vs run

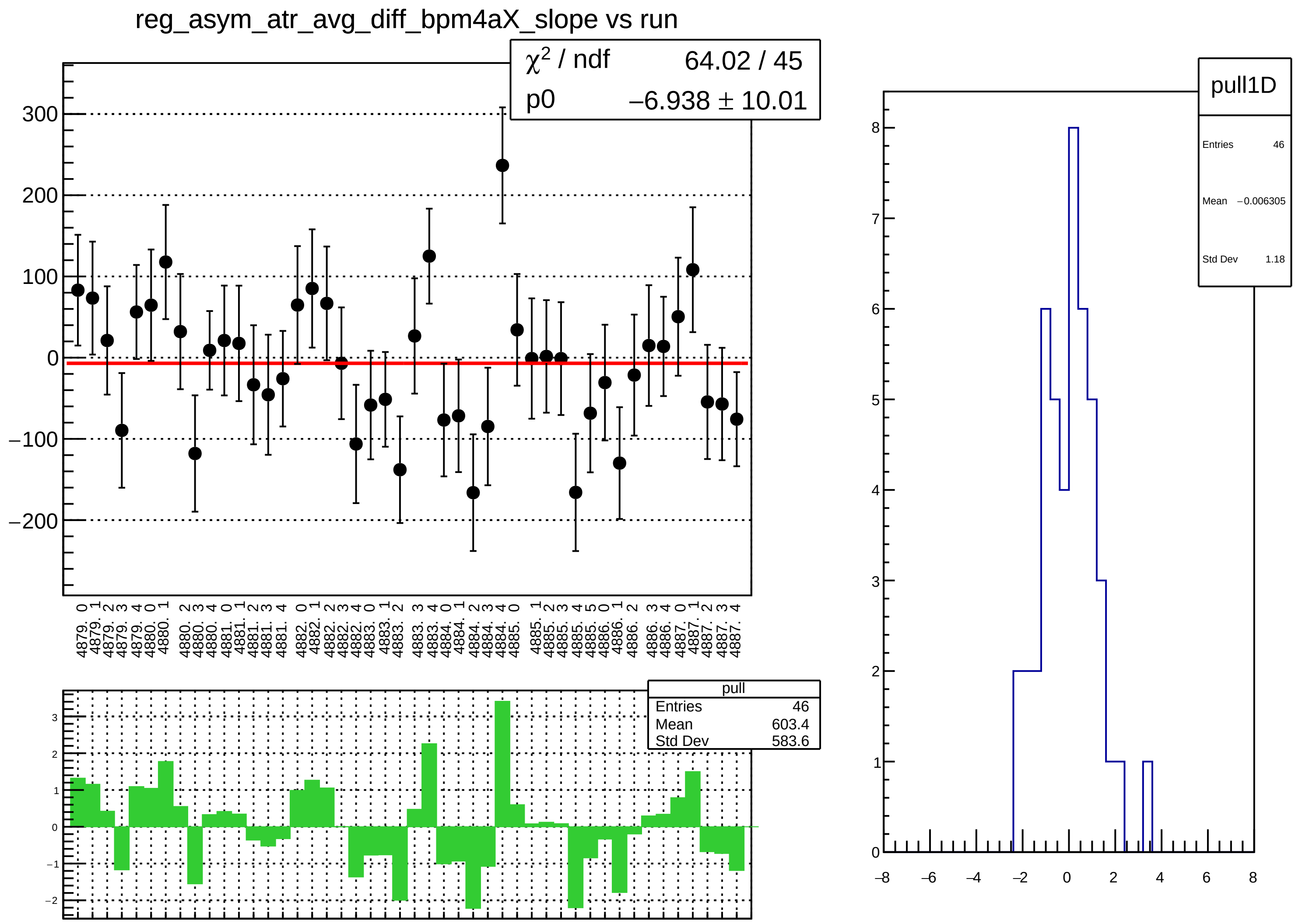




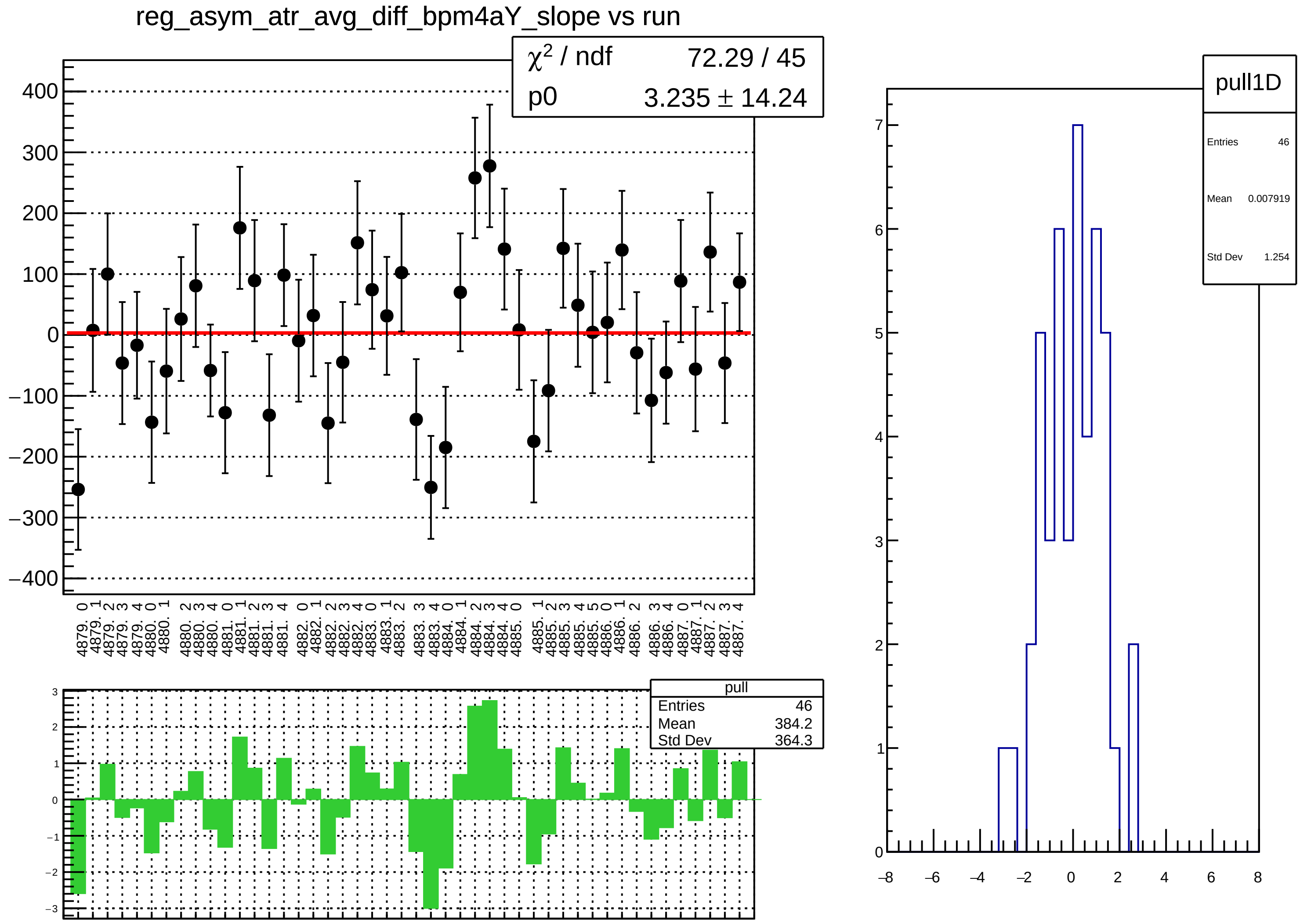
reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 50.12 / 45
p0 1.946 ± 15.62
pull
Entries 46
Mean 450.9
Std Dev 425.6
pull1D
Entries 46
Mean 0.004718
Std Dev 1.044



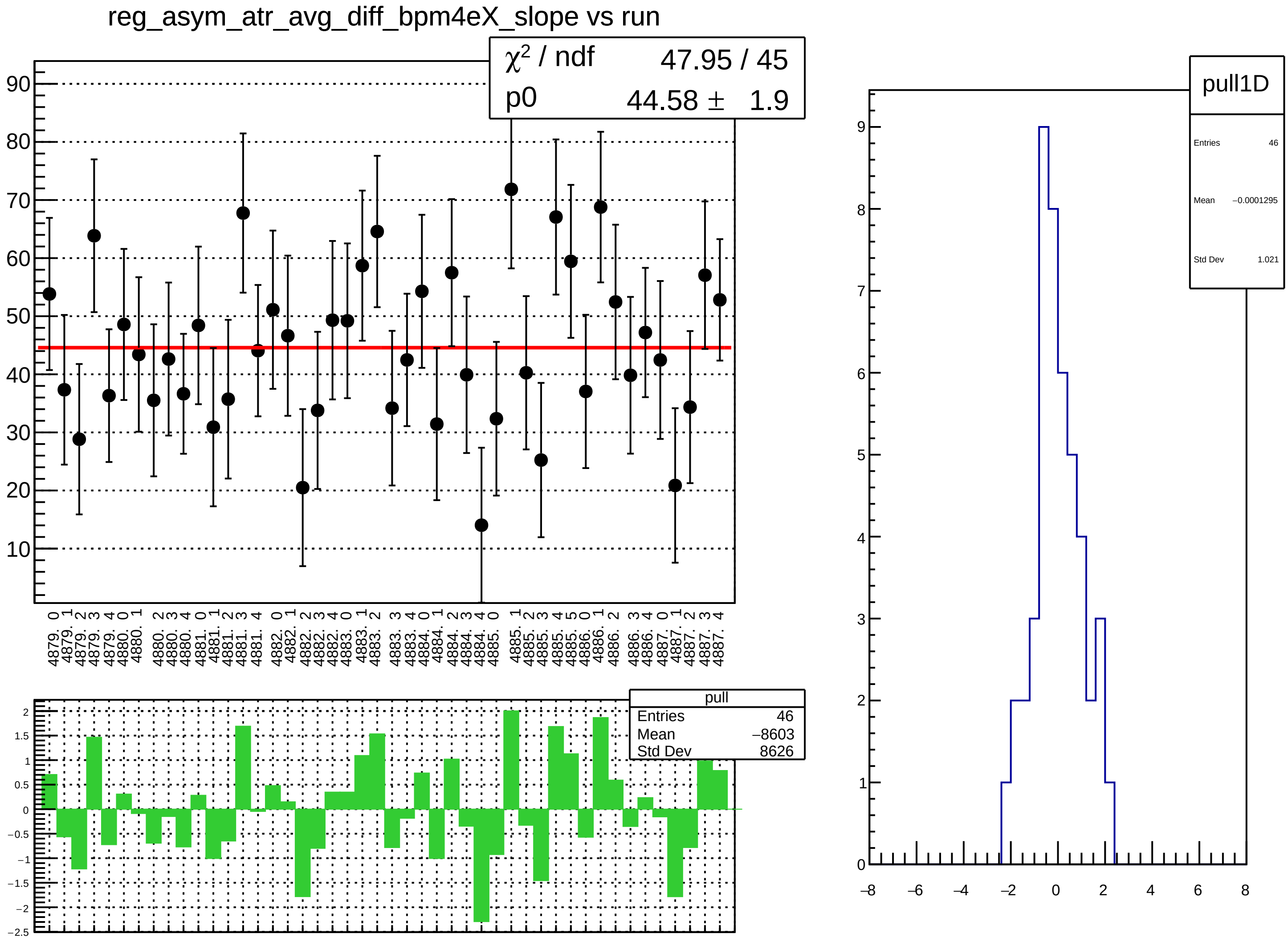
reg_asym_atl_dd_diff_bpm11X_slope vs run
χ^2 / ndf 57.24 / 45
p0 19.38 ± 2.57
pull
Entries 46
Mean 467.8
Std Dev 449.8
pull1D
Entries 46
Mean −0.008466
Std Dev 1.115

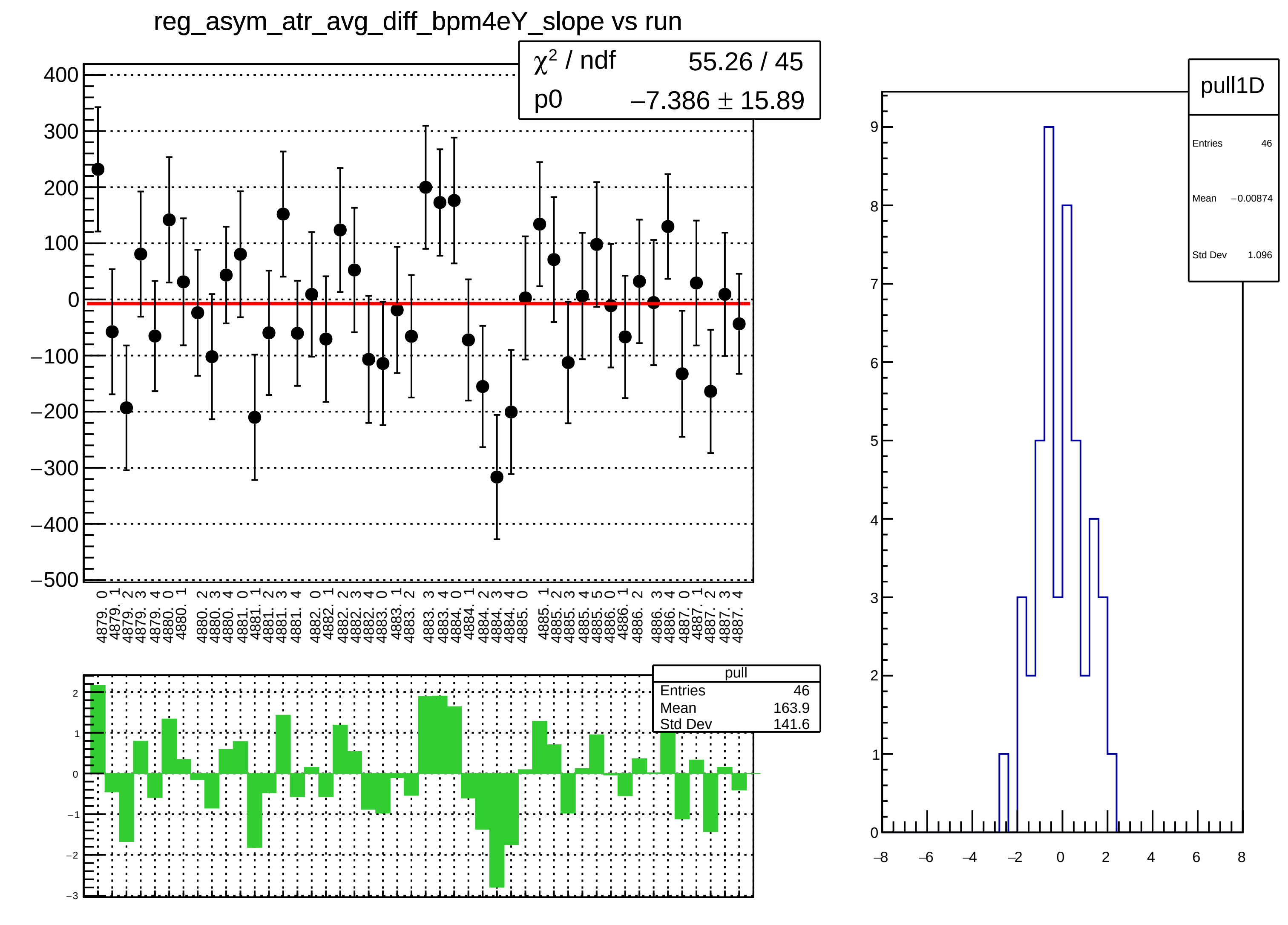


reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 64.02 / 45
p0 −6.938 ± 10.01
pull
Entries 46
Mean 603.4
Std Dev 583.6
pull1D
Entries 46
Mean −0.006305
Std Dev 1.18

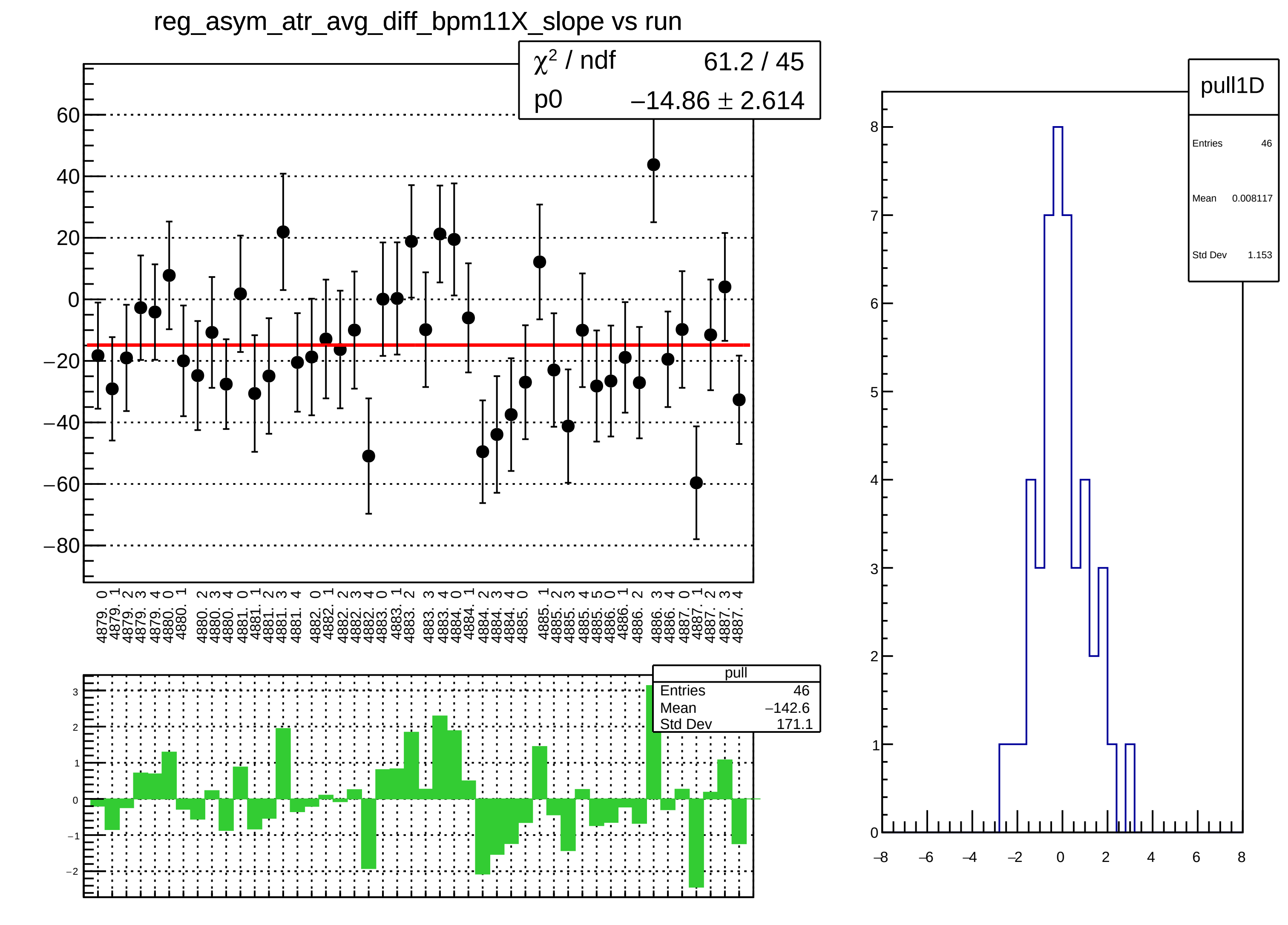


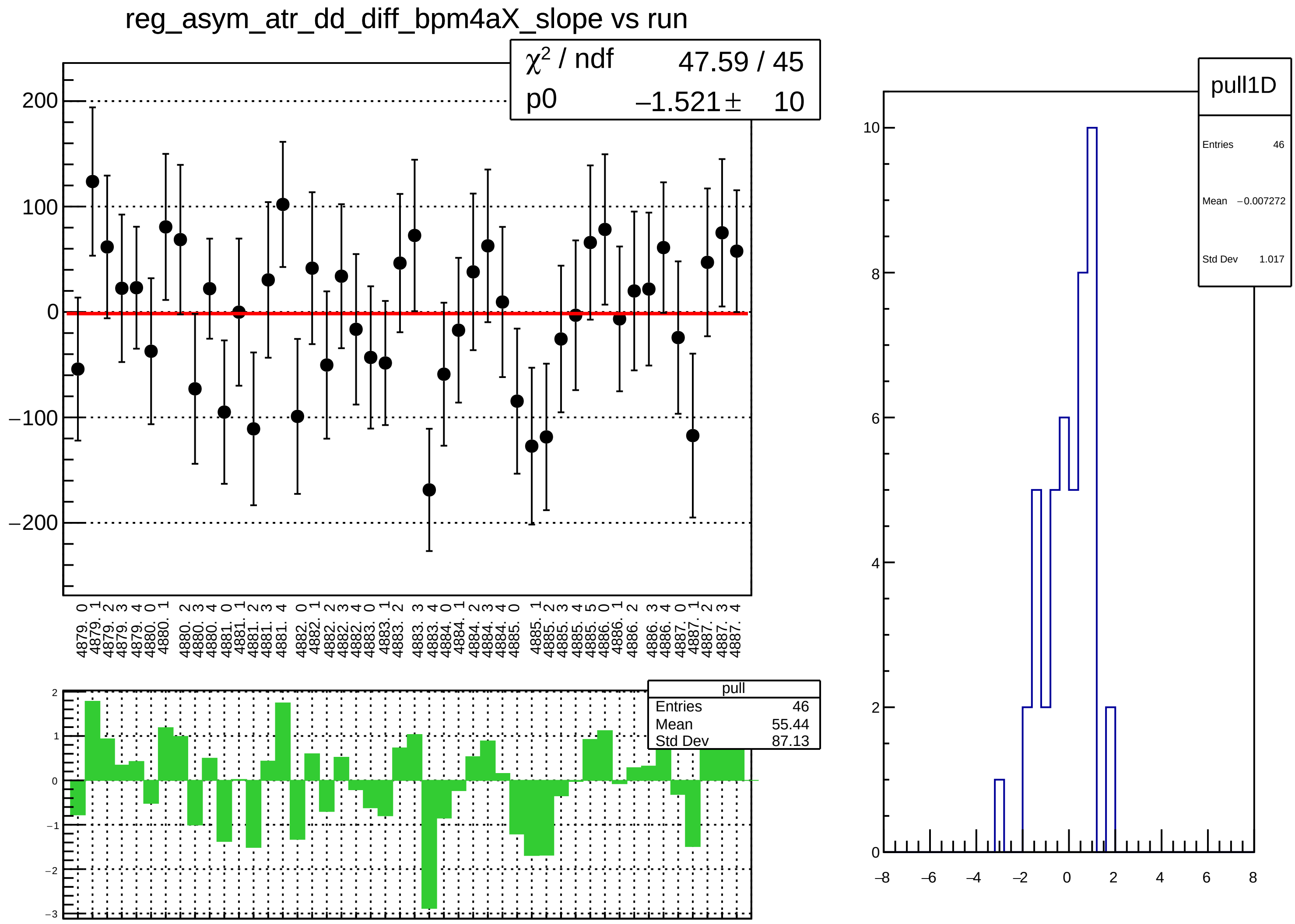
reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 72.29 / 45
p0 3.235 ± 14.24
pull
Entries 46
Mean 384.2
Std Dev 364.3
pull1D
Entries 46
Mean 0.007919
Std Dev 1.254


reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ2 / ndf 47.95 / 45
p0 44.58 ± 1.9
pull
Entries 46
Mean −8603
Std Dev 8626
pull1D
Entries 46
Mean −0.0001295
Std Dev 1.021

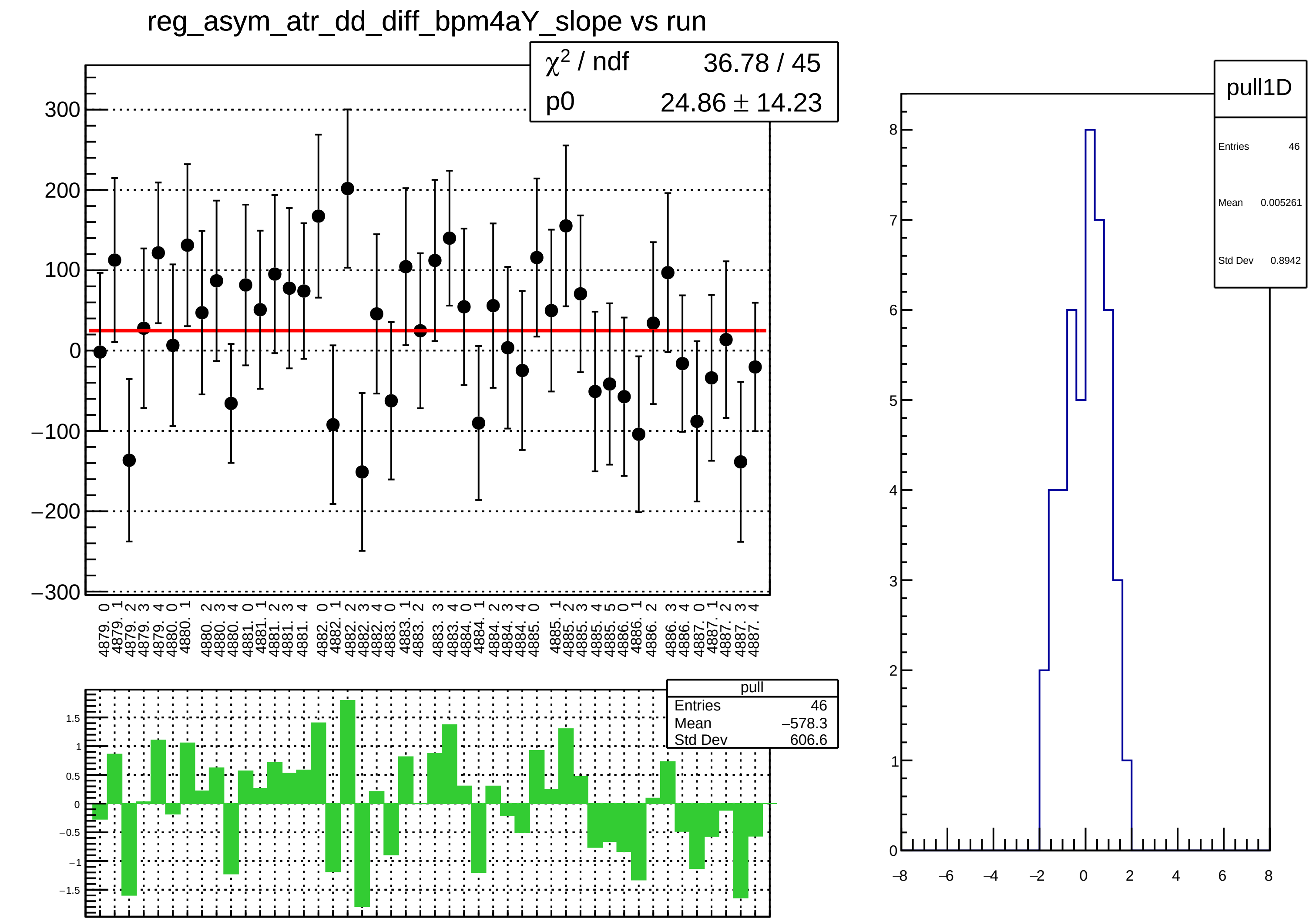


reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ2 / ndf 55.26 / 45
p0 −7.386 ± 15.89
pull
Entries 46
Mean 163.9
Std Dev 141.6
pull1D
Entries 46
Mean −0.00874
Std Dev 1.096

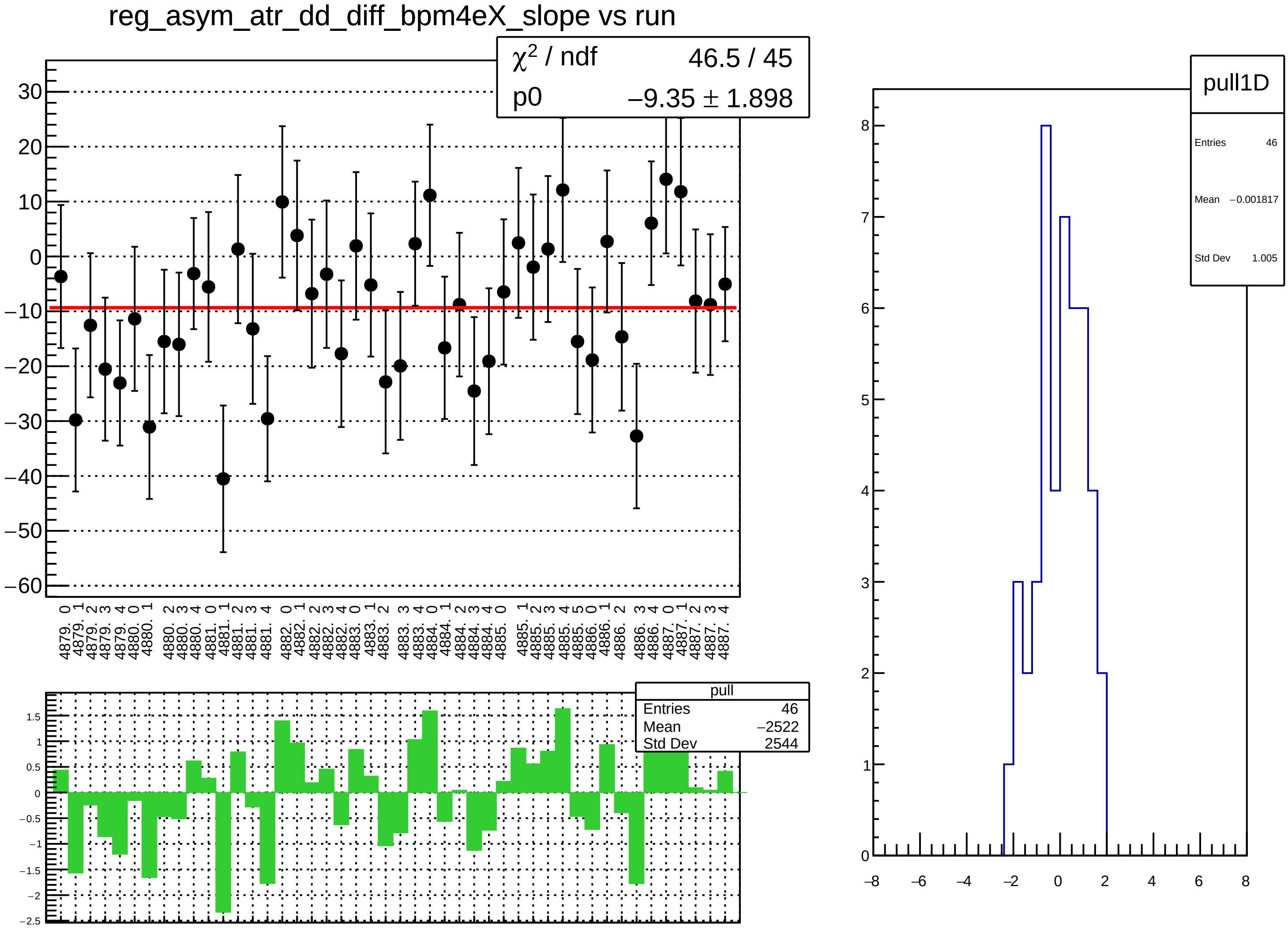

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ^2 / ndf 61.2 / 45
p0 −14.86 ± 2.614
pull
Entries 46
Mean −142.6
Std Dev 171.1
pull1D
Entries 46
Mean 0.008117
Std Dev 1.153



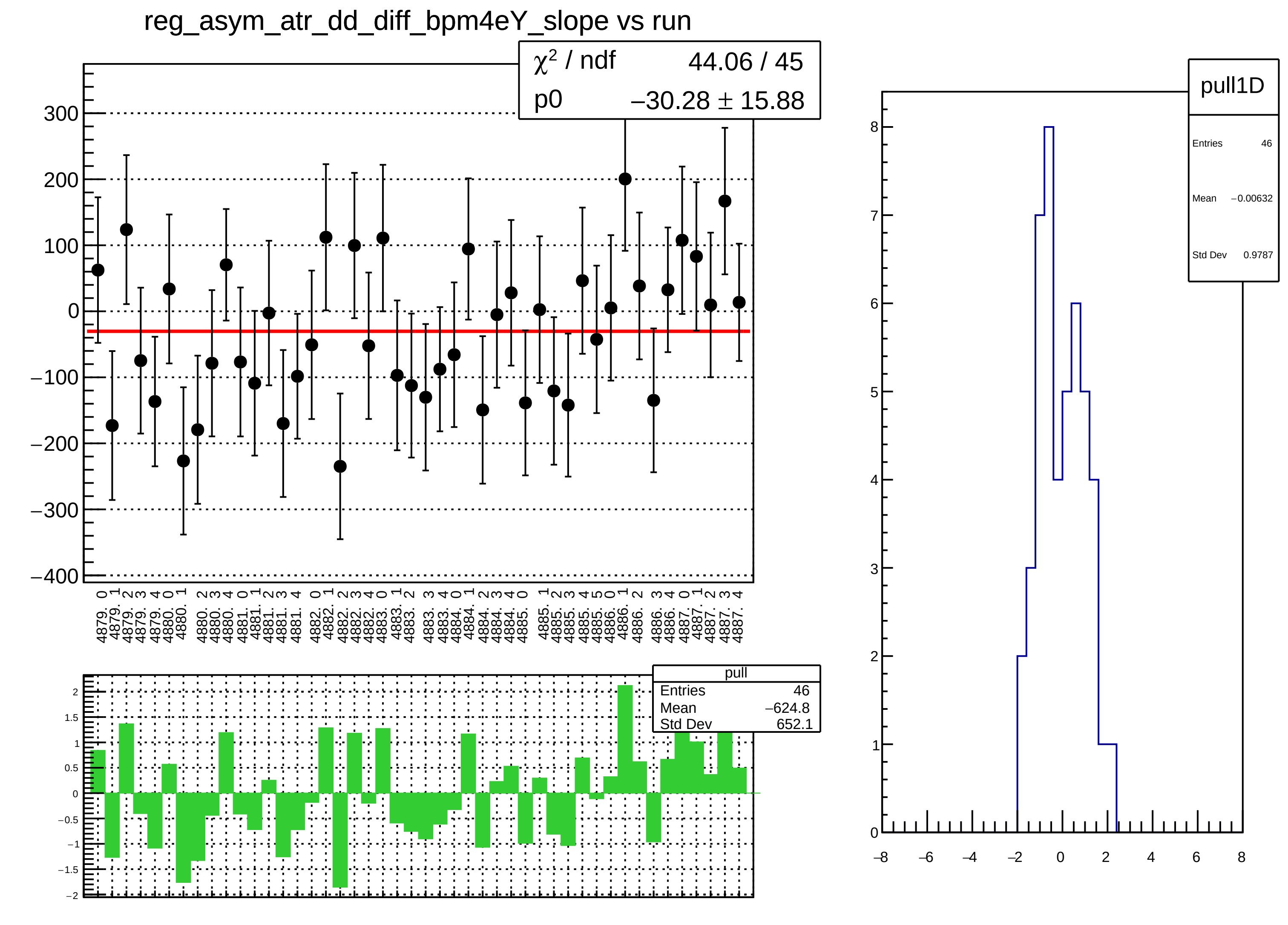
reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 47.59 / 45
p0 −1.521 ± 10
pull
Entries 46
Mean 55.44
Std Dev 87.13
pull1D
Entries 46
Mean −0.007272
Std Dev 1.017



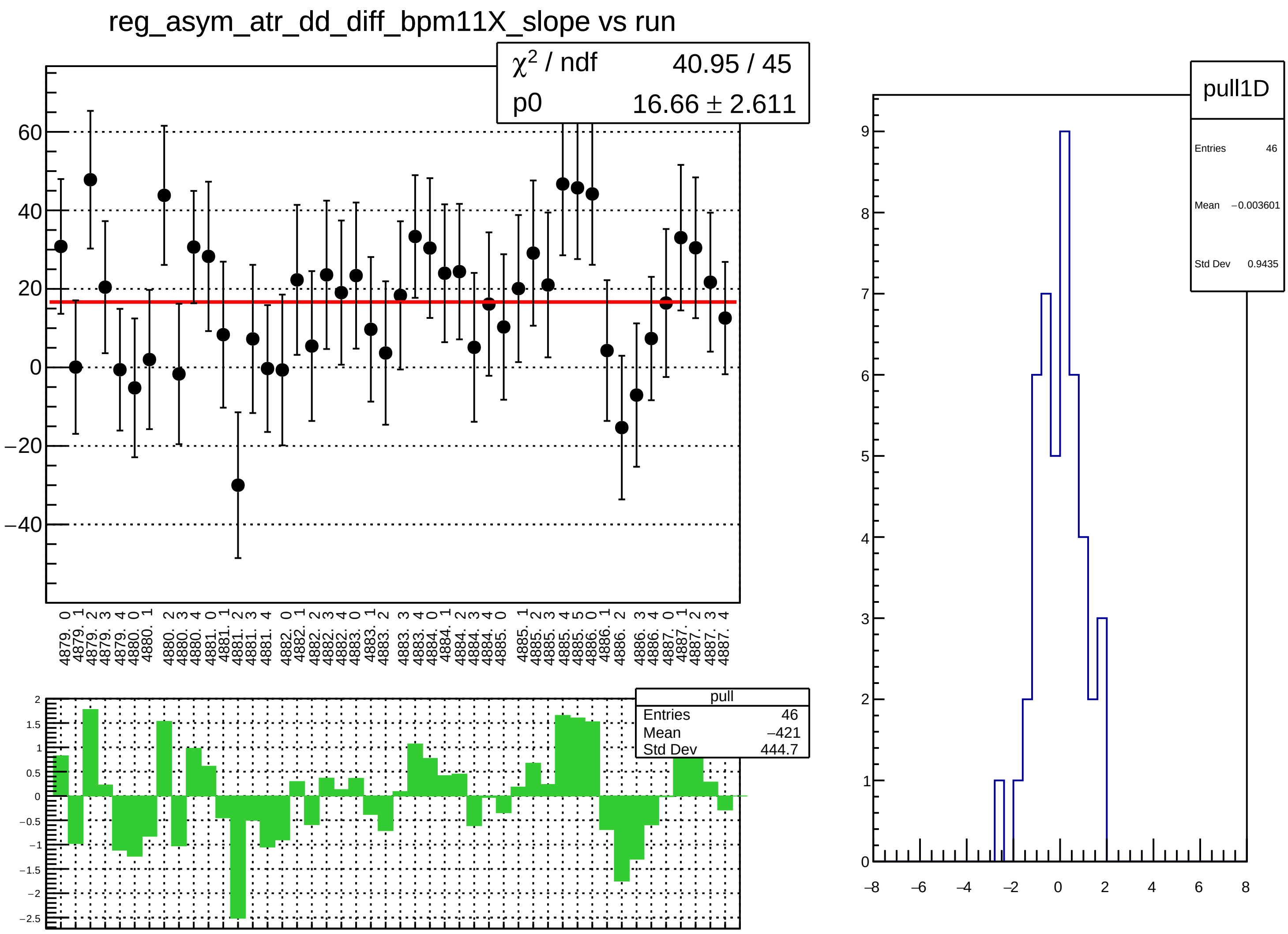
reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 36.78 / 45
p0 24.86 ± 14.23
pull
Entries 46
Mean −578.3
Std Dev 606.6
pull1D
Entries 46
Mean 0.005261
Std Dev 0.8942



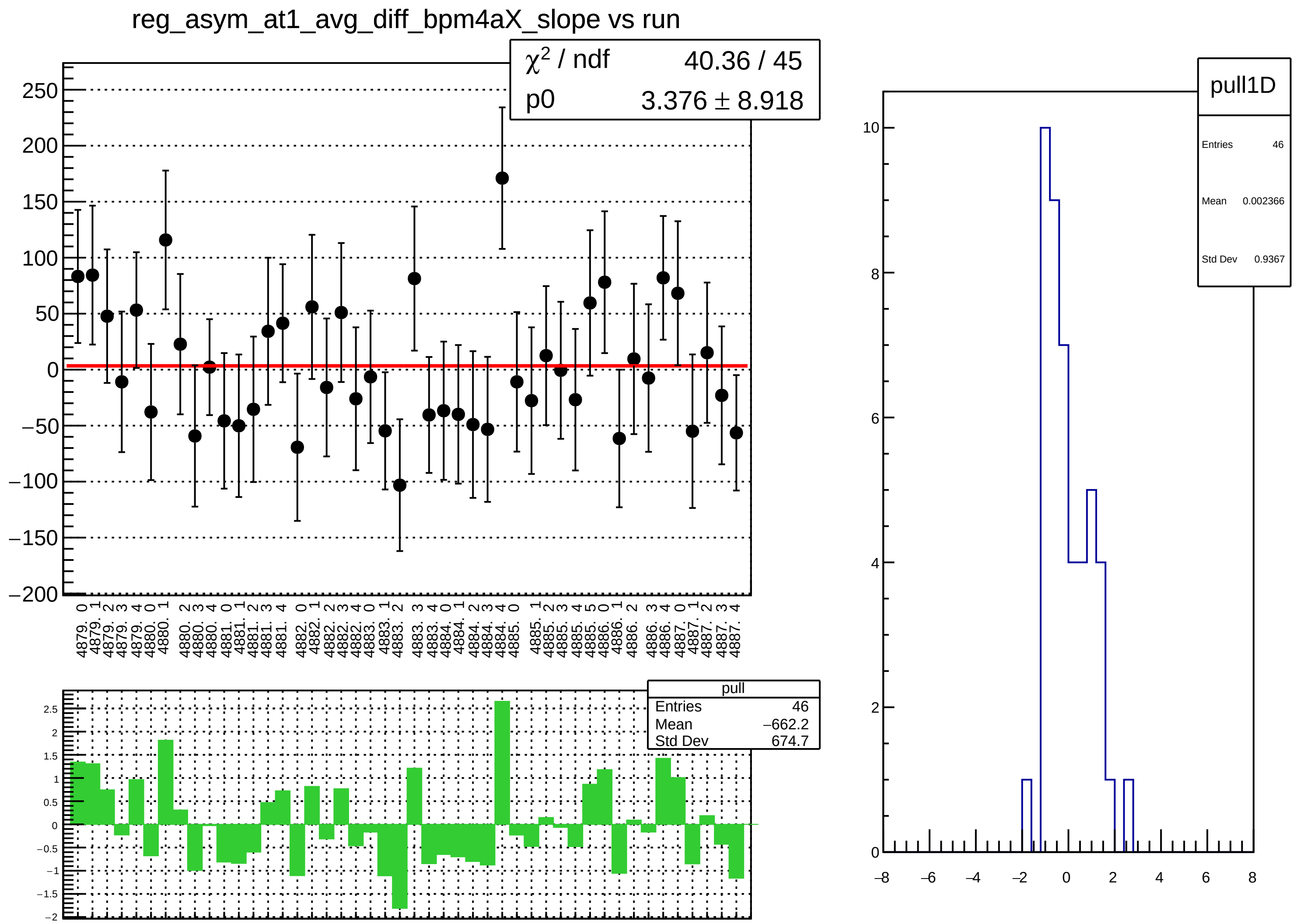
reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 46.5 / 45
p0 −9.35 ± 1.898
pull
Entries 46
Mean −2522
Std Dev 2544
pull1D
Entries 46
Mean −0.001817
Std Dev 1.005

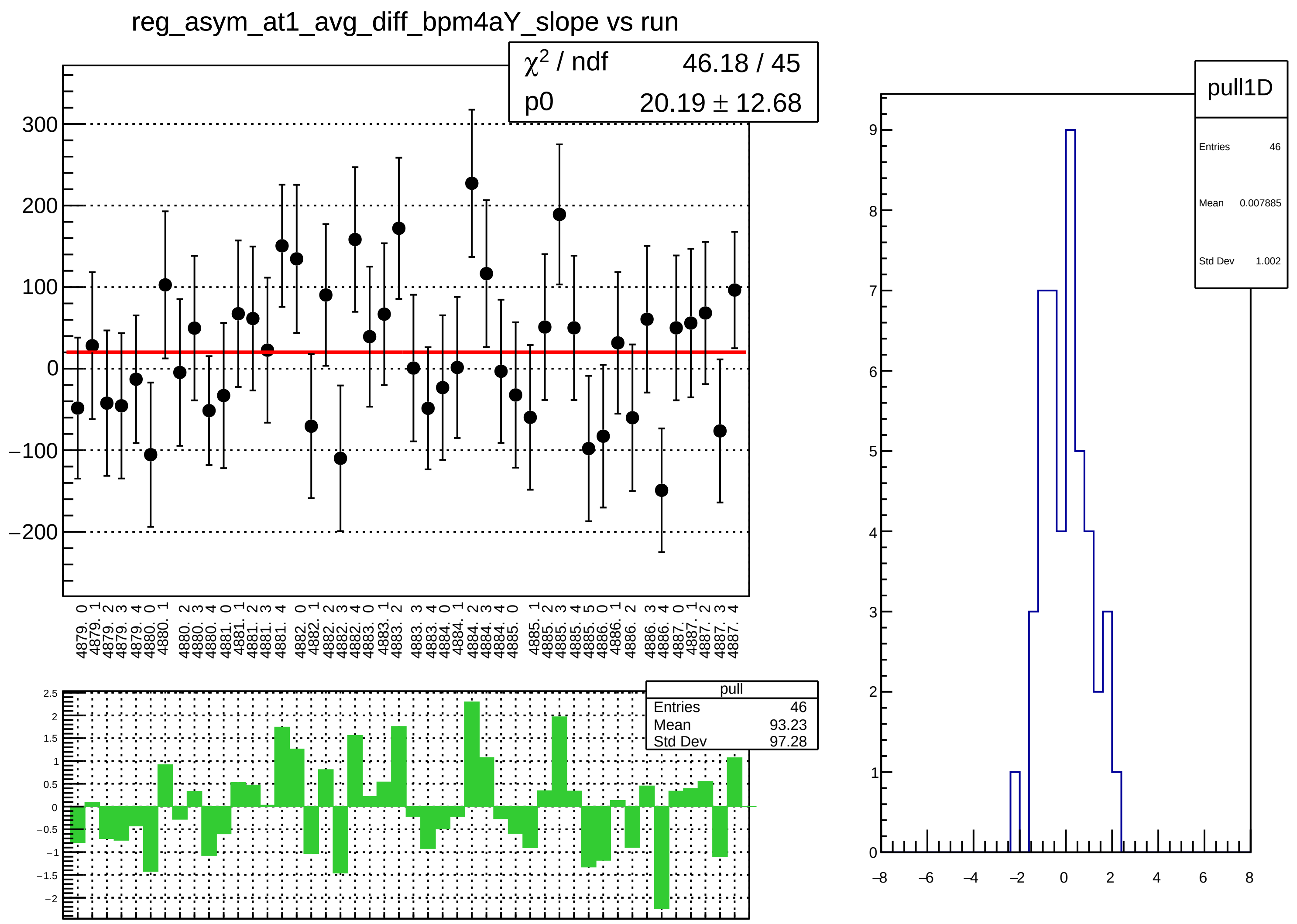


reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 44.06 / 45
p0 −30.28 ± 15.88
pull
Entries 46
Mean −624.8
Std Dev 652.1
pull1D
Entries 46
Mean −0.00632
Std Dev 0.9787

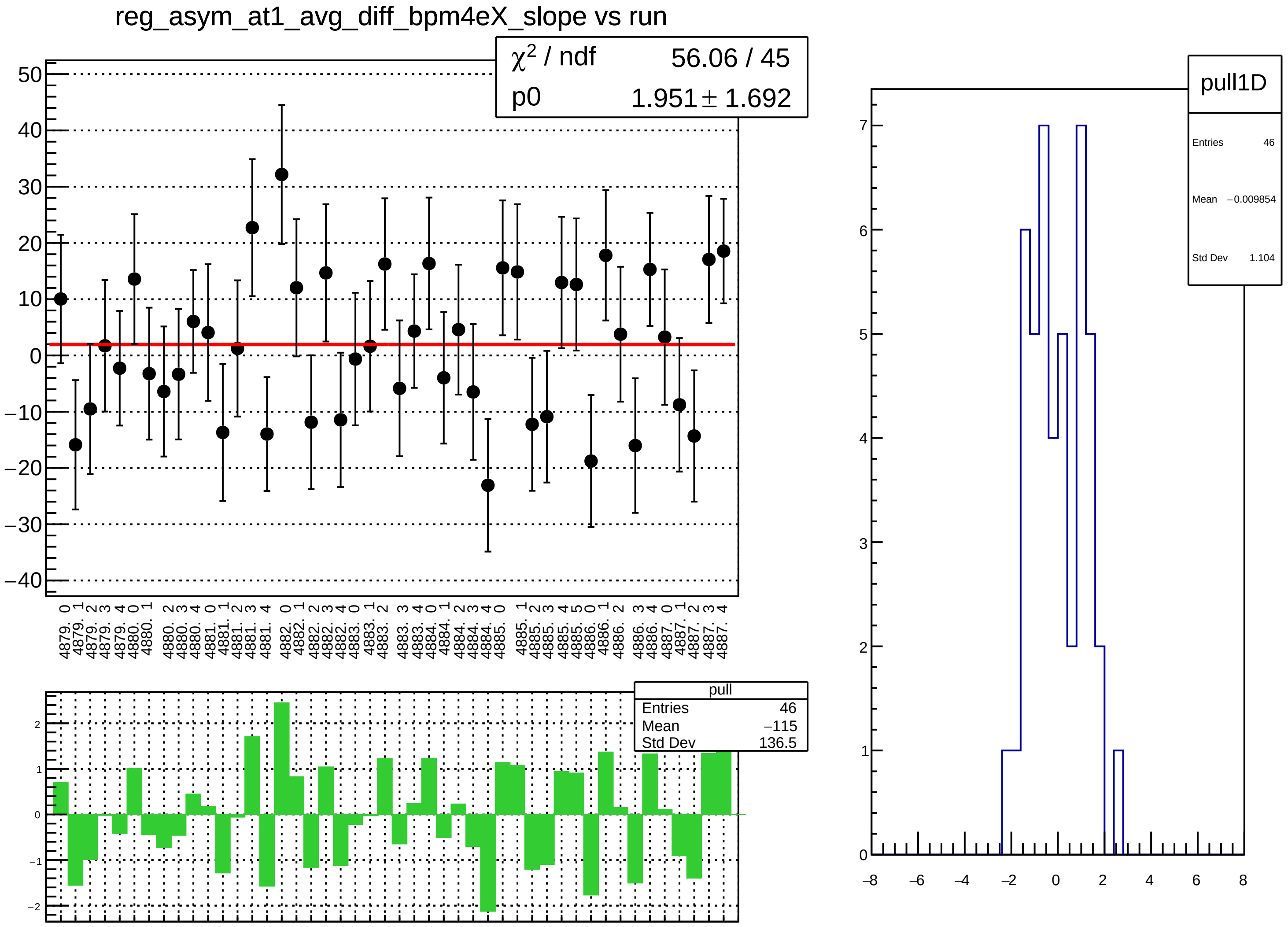


reg_asym_atr_dd_diff_bpm11X_slope vs run
χ^2 / ndf 40.95 / 45
p0 16.66 ± 2.611
pull
Entries 46
Mean −421
Std Dev 444.7
pull1D
Entries 46
Mean −0.003601
Std Dev 0.9435

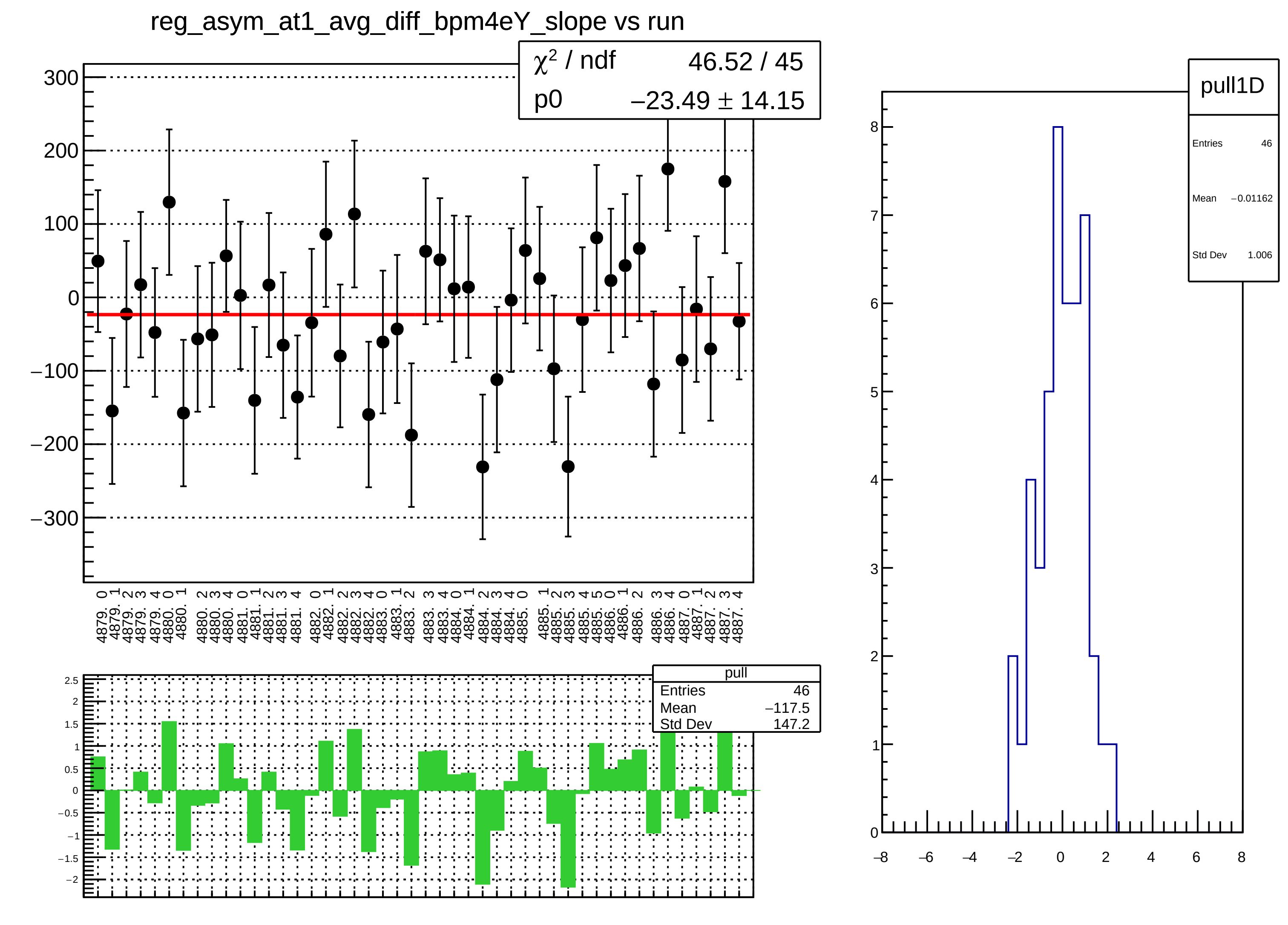

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 40.36 / 45
p0 3.376 ± 8.918
pull
Entries 46
Mean −662.2
Std Dev 674.7
pull1D
Entries 46
Mean 0.002366
Std Dev 0.9367



reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 46.18 / 45
p0 20.19 ± 12.68
pull
Entries 46
Mean 93.23
Std Dev 97.28
pull1D
Entries 46
Mean 0.007885
Std Dev 1.002

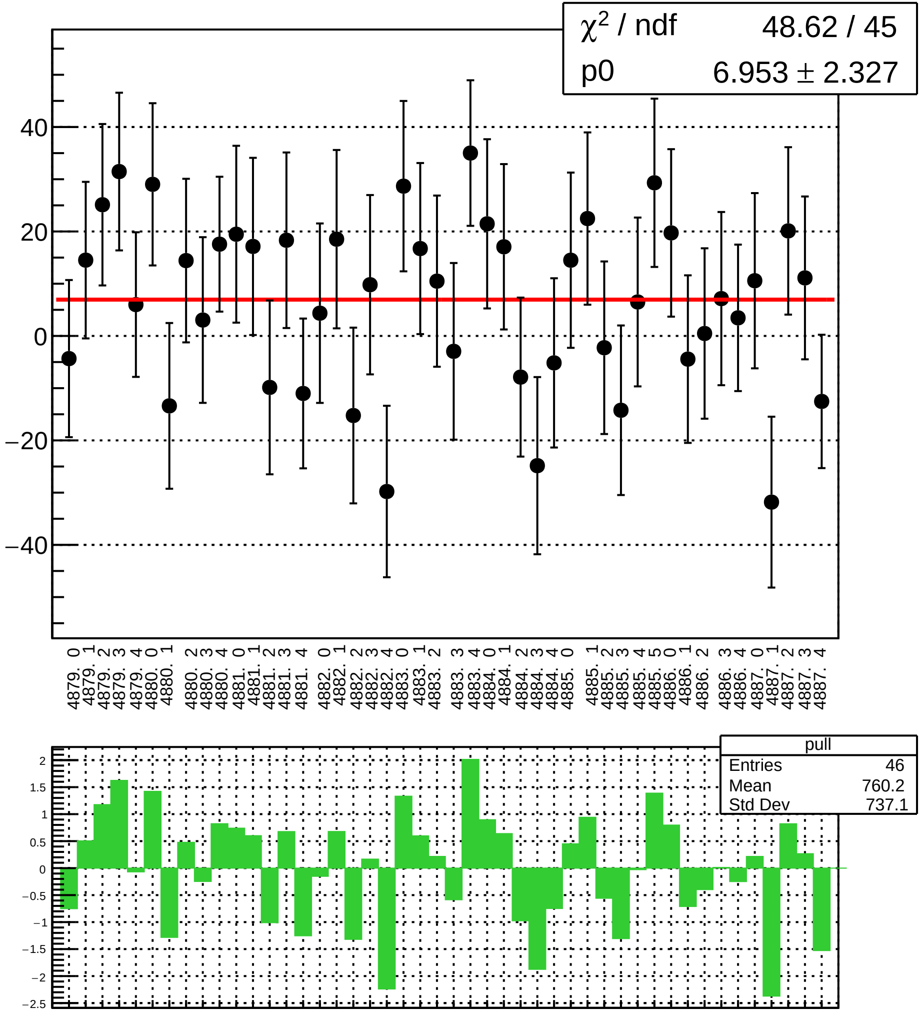


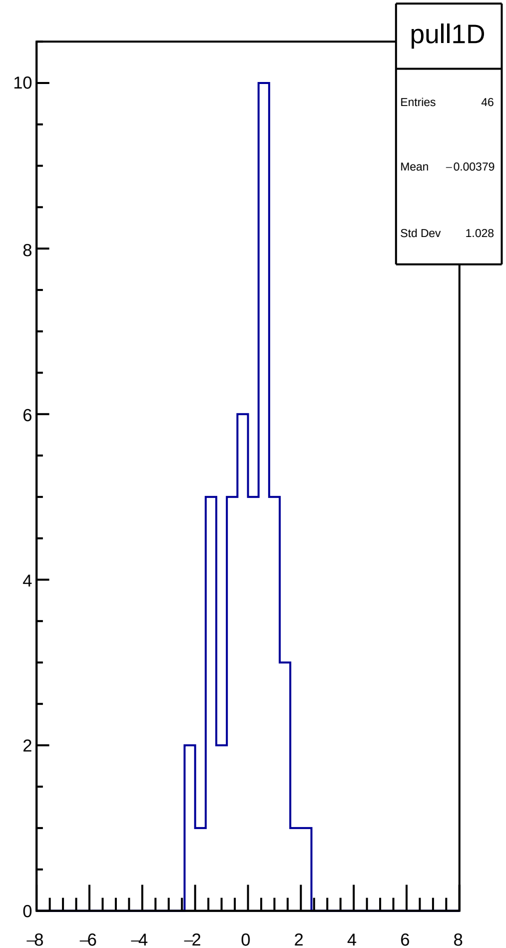
reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ2 / ndf 56.06 / 45
p0 1.951 ± 1.692
pull
Entries 46
Mean −115
Std Dev 136.5
pull1D
Entries 46
Mean −0.009854
Std Dev 1.104

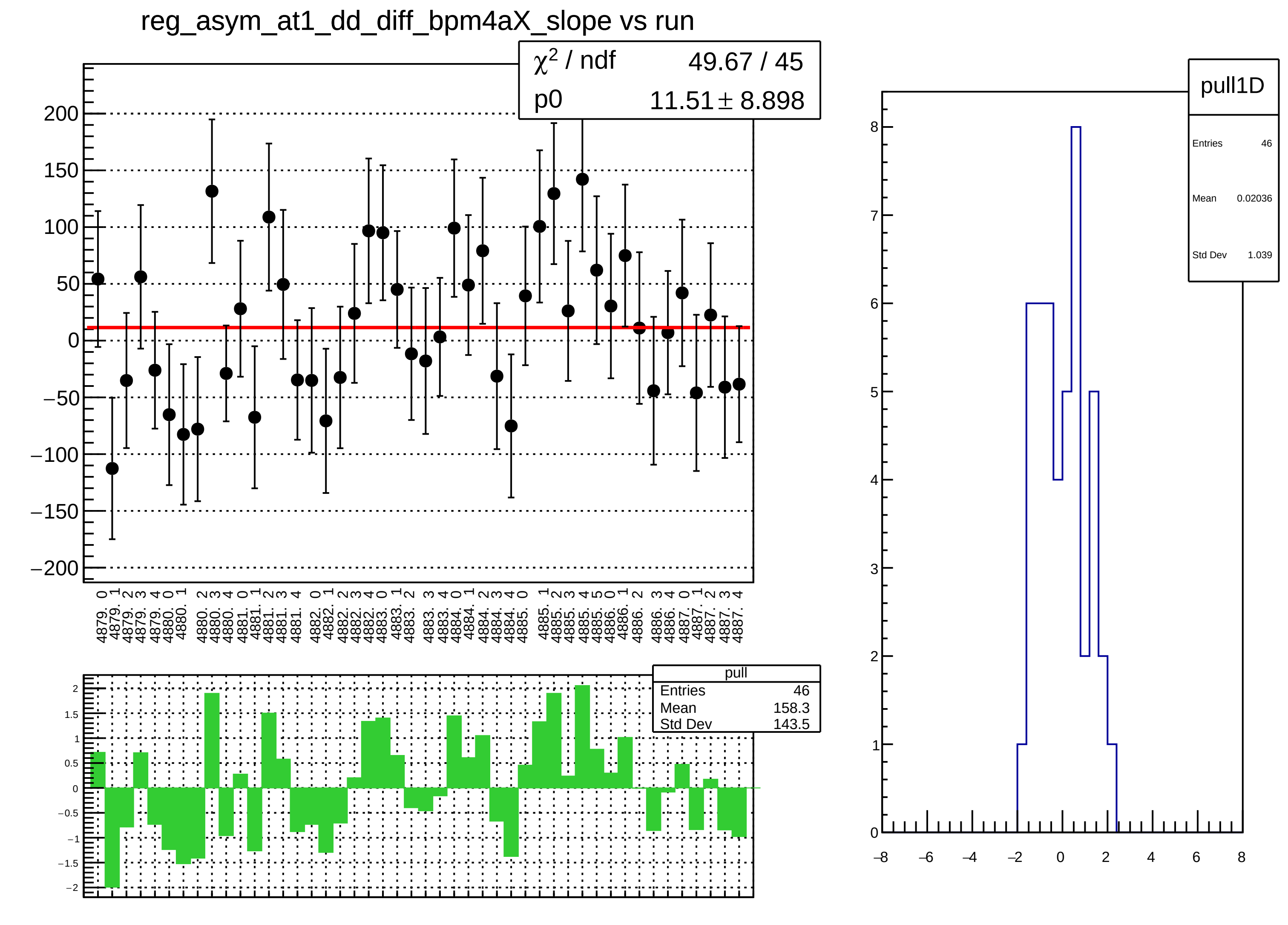


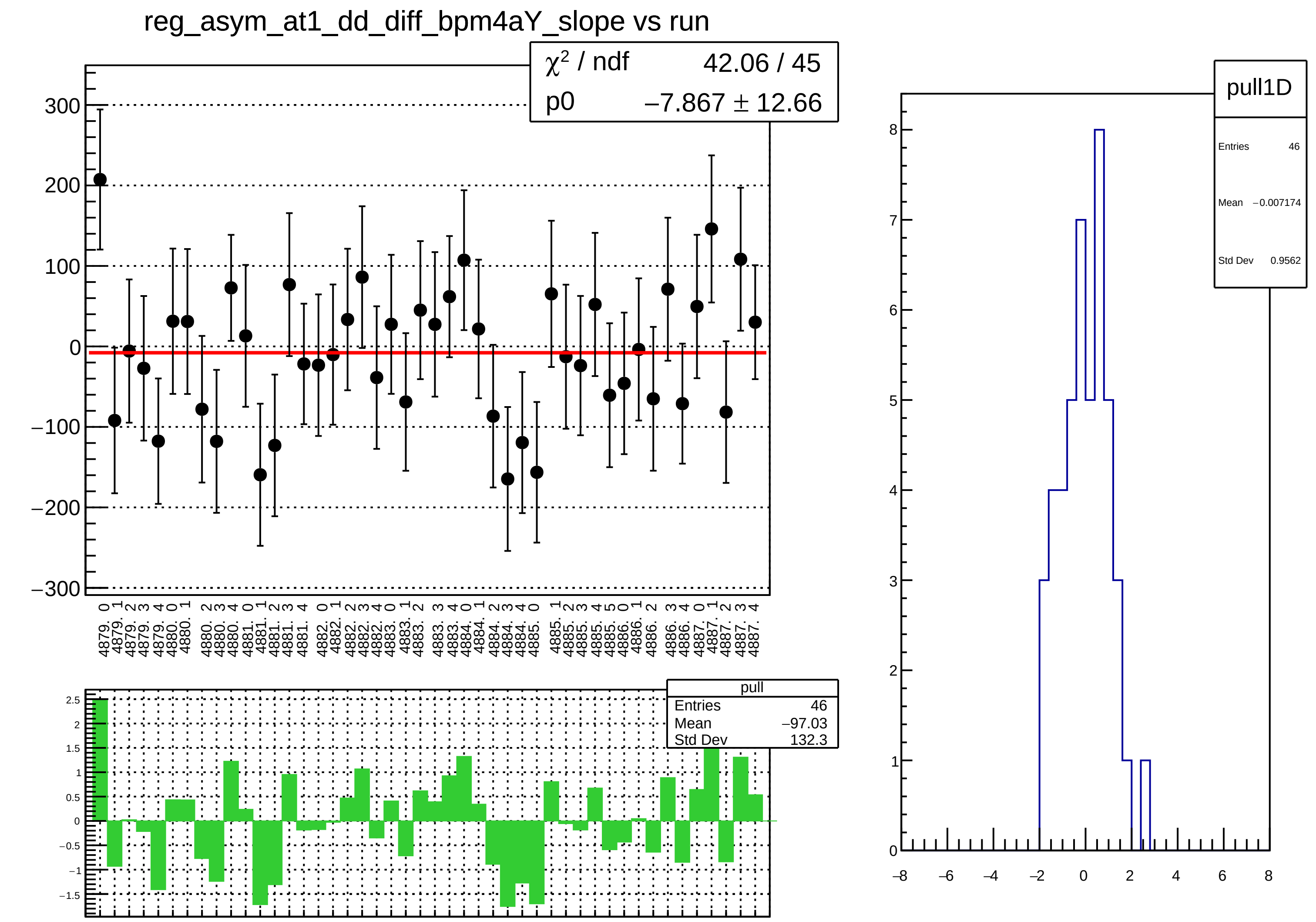
reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 46.52 / 45
p0 −23.49 ± 14.15
pull
Entries 46
Mean −117.5
Std Dev 147.2
pull1D
Entries 46
Mean −0.01162
Std Dev 1.006

reg_asym_at1_avg_diff_bpm11X_slope vs run



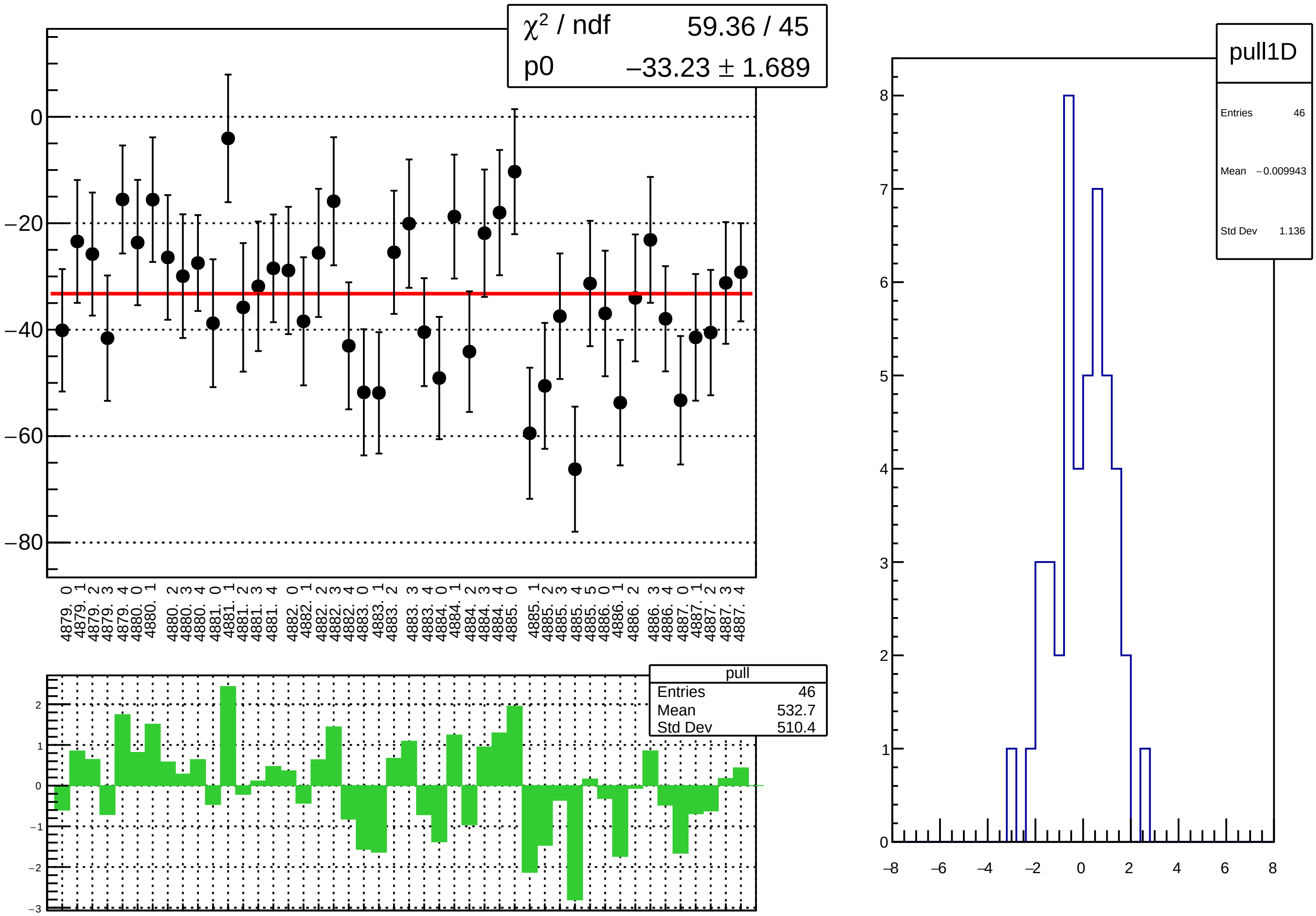


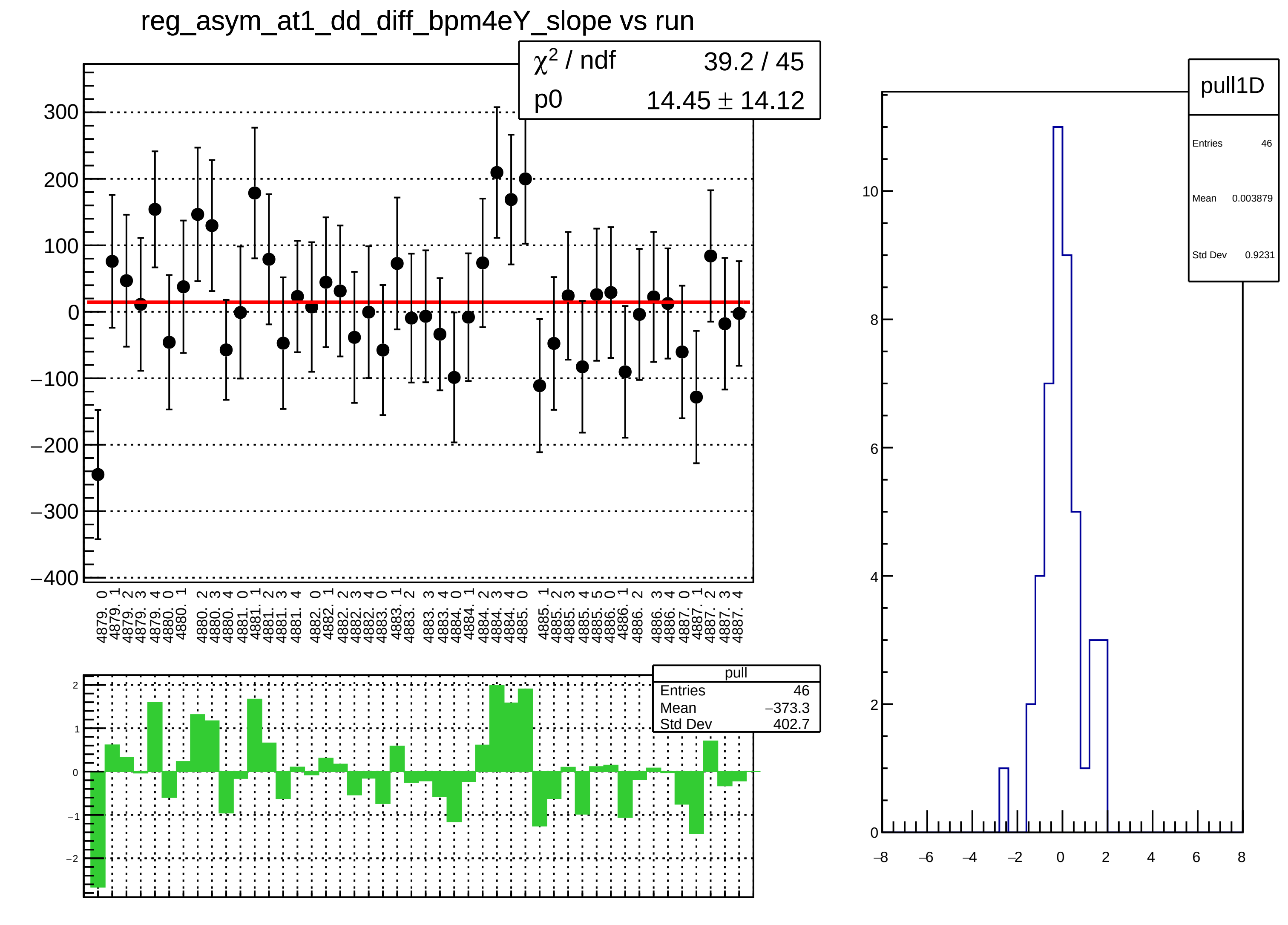

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 49.67 / 45
p0 11.51 ± 8.898
pull
Entries 46
Mean 158.3
Std Dev 143.5
pull1D
Entries 46
Mean 0.02036
Std Dev 1.039



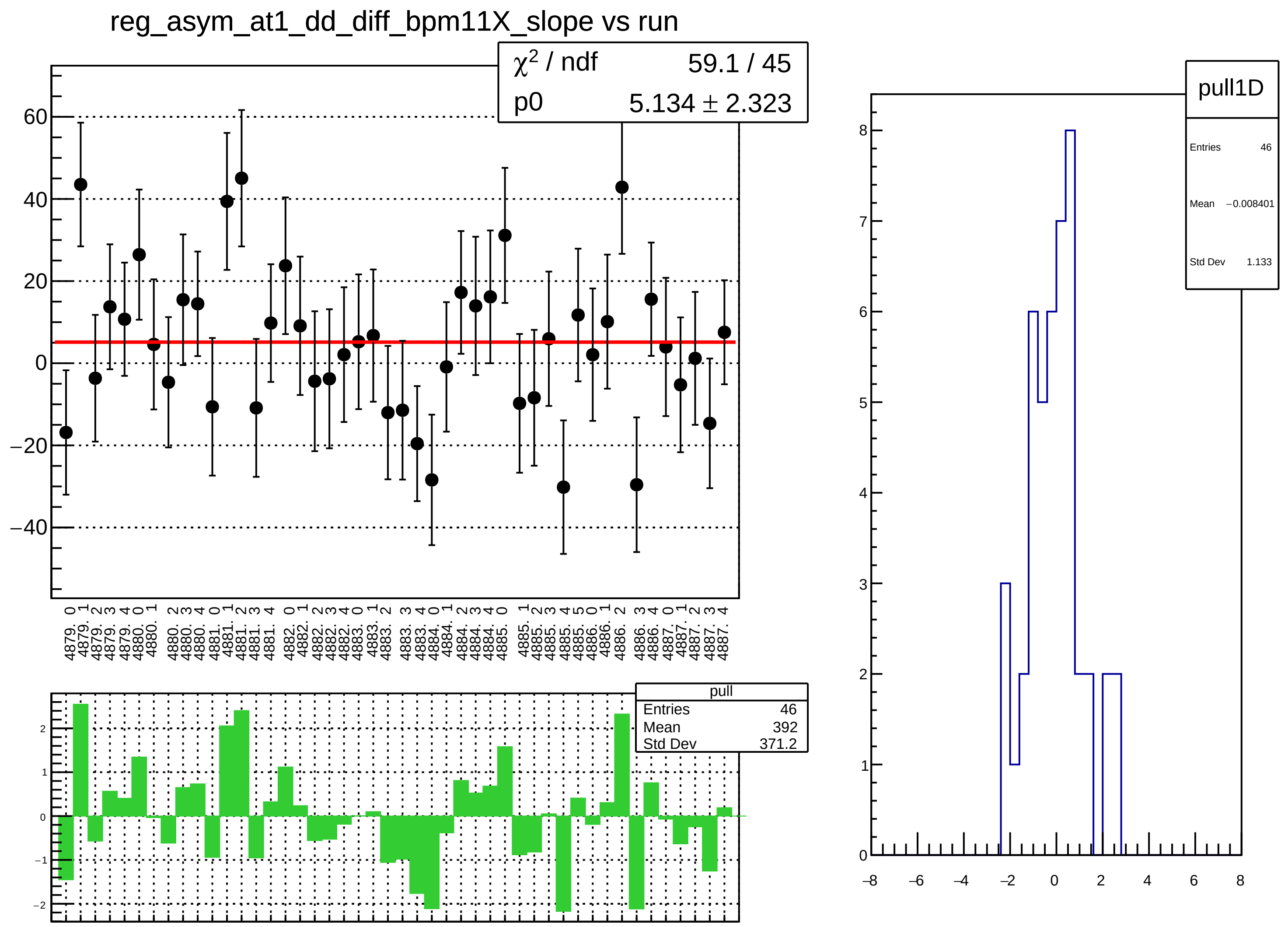
reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 42.06 / 45
p0 −7.867 ± 12.66
pull
Entries 46
Mean −97.03
Std Dev 132.3
pull1D
Entries 46
Mean −0.007174
Std Dev 0.9562

reg_asym_at1_dd_diff_bpm4eX_slope vs run

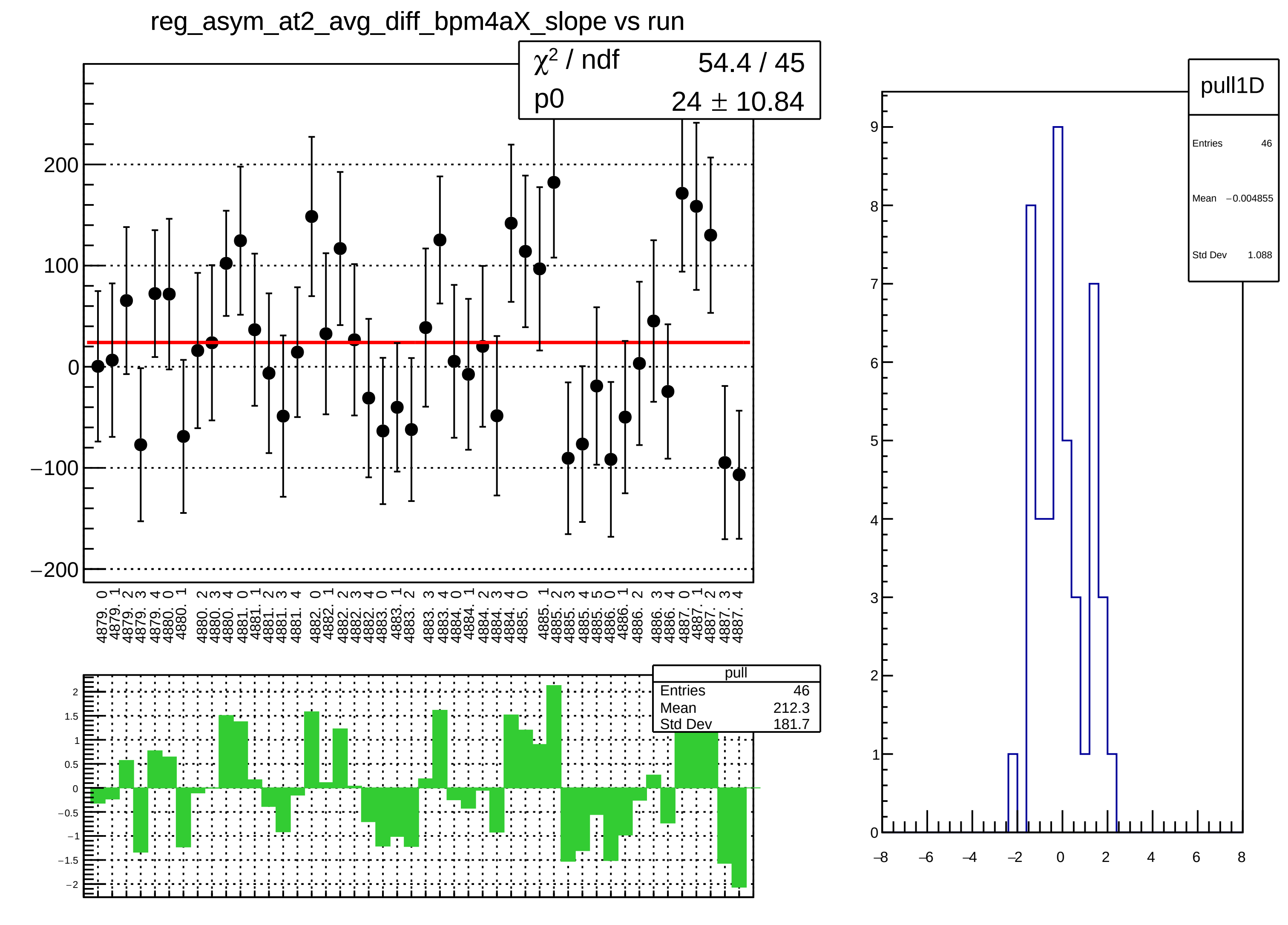




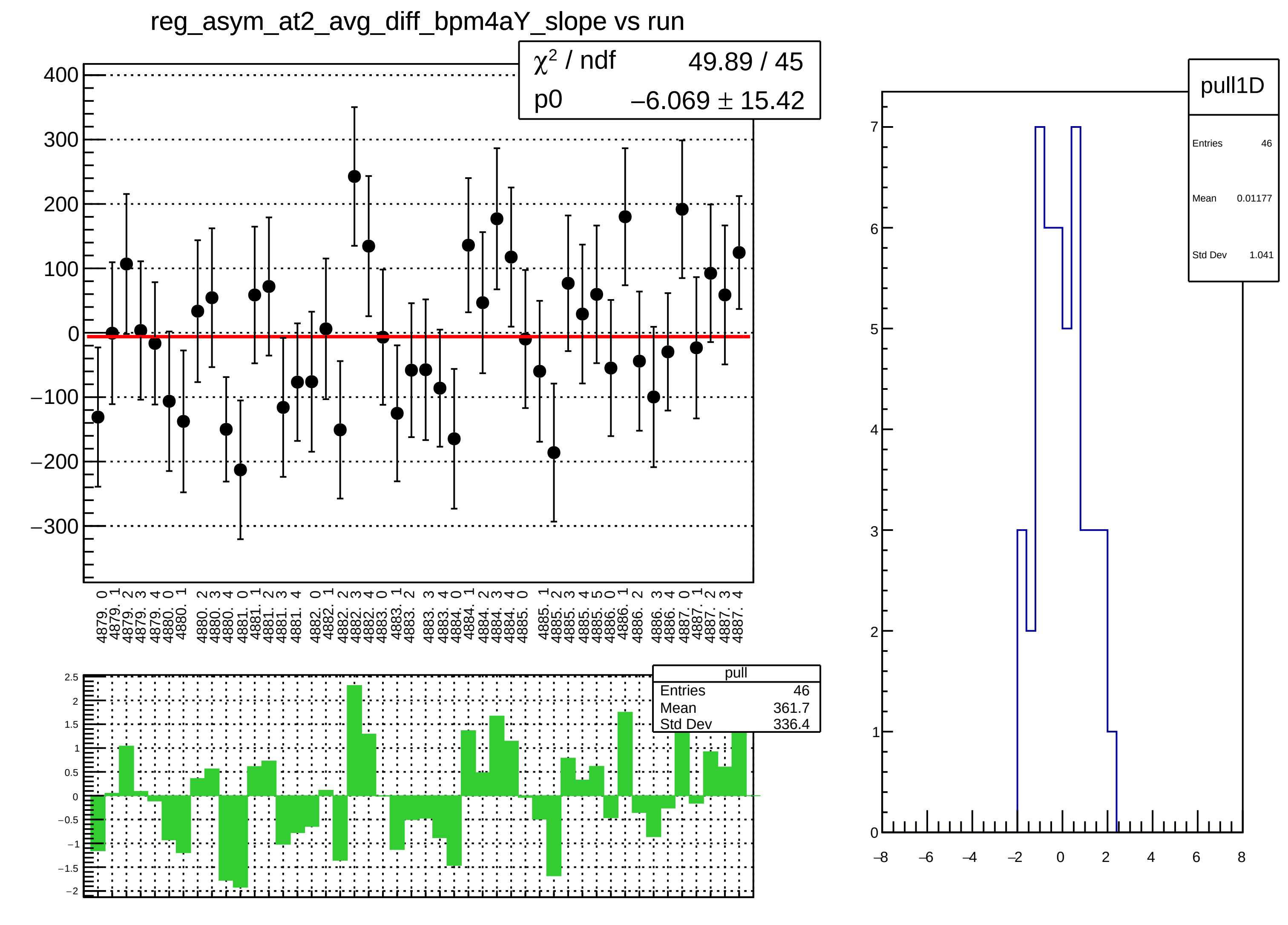
reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 39.2 / 45
p0 14.45 ± 14.12
pull
Entries 46
Mean −373.3
Std Dev 402.7
pull1D
Entries 46
Mean 0.003879
Std Dev 0.9231



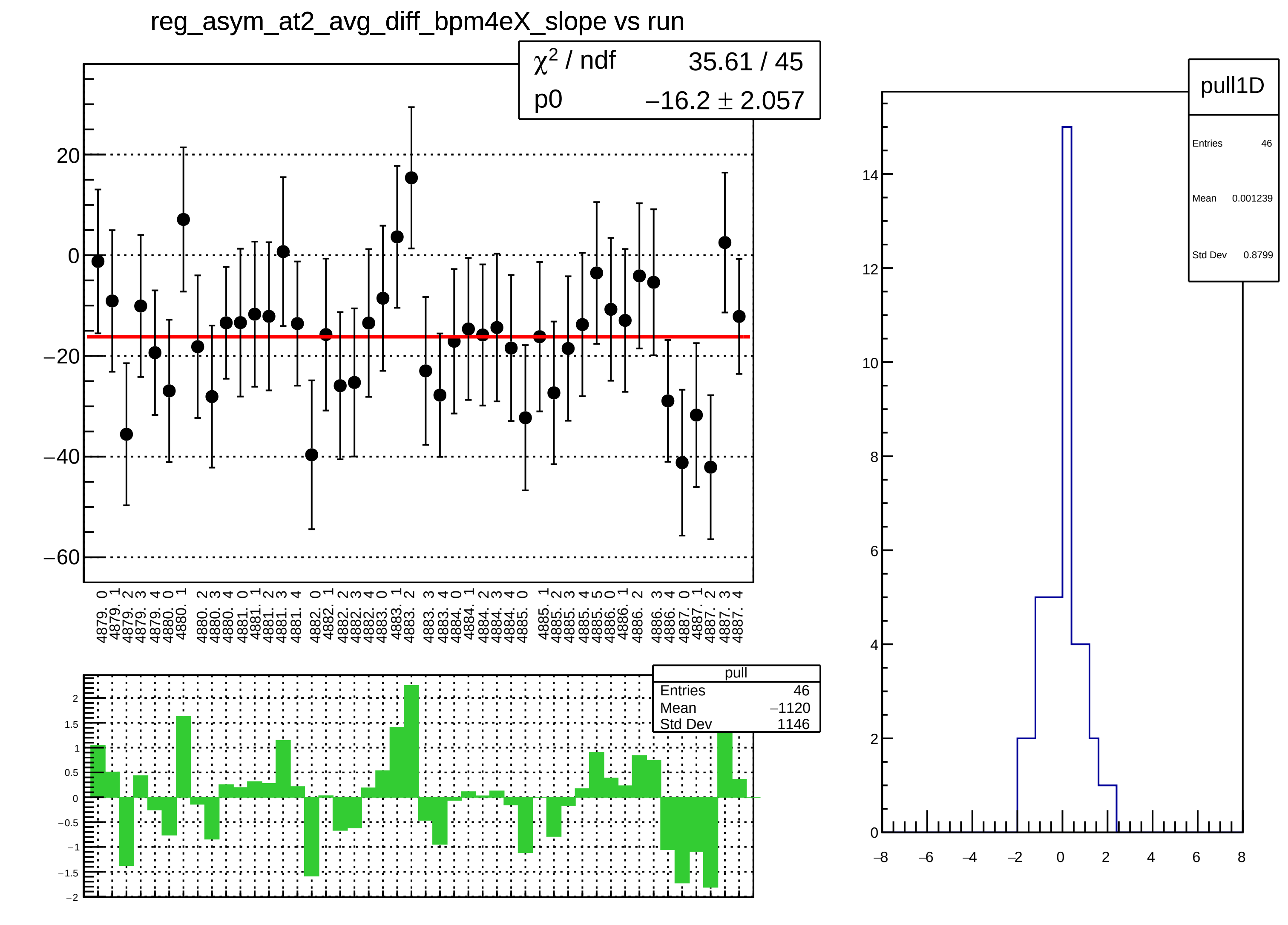
reg_asym_at1_dd_diff_bpm11X_slope vs run
χ2 / ndf 59.1 / 45
p0 5.134 ± 2.323
pull
Entries 46
Mean 392
Std Dev 371.2
pull1D
Entries 46
Mean −0.008401
Std Dev 1.133



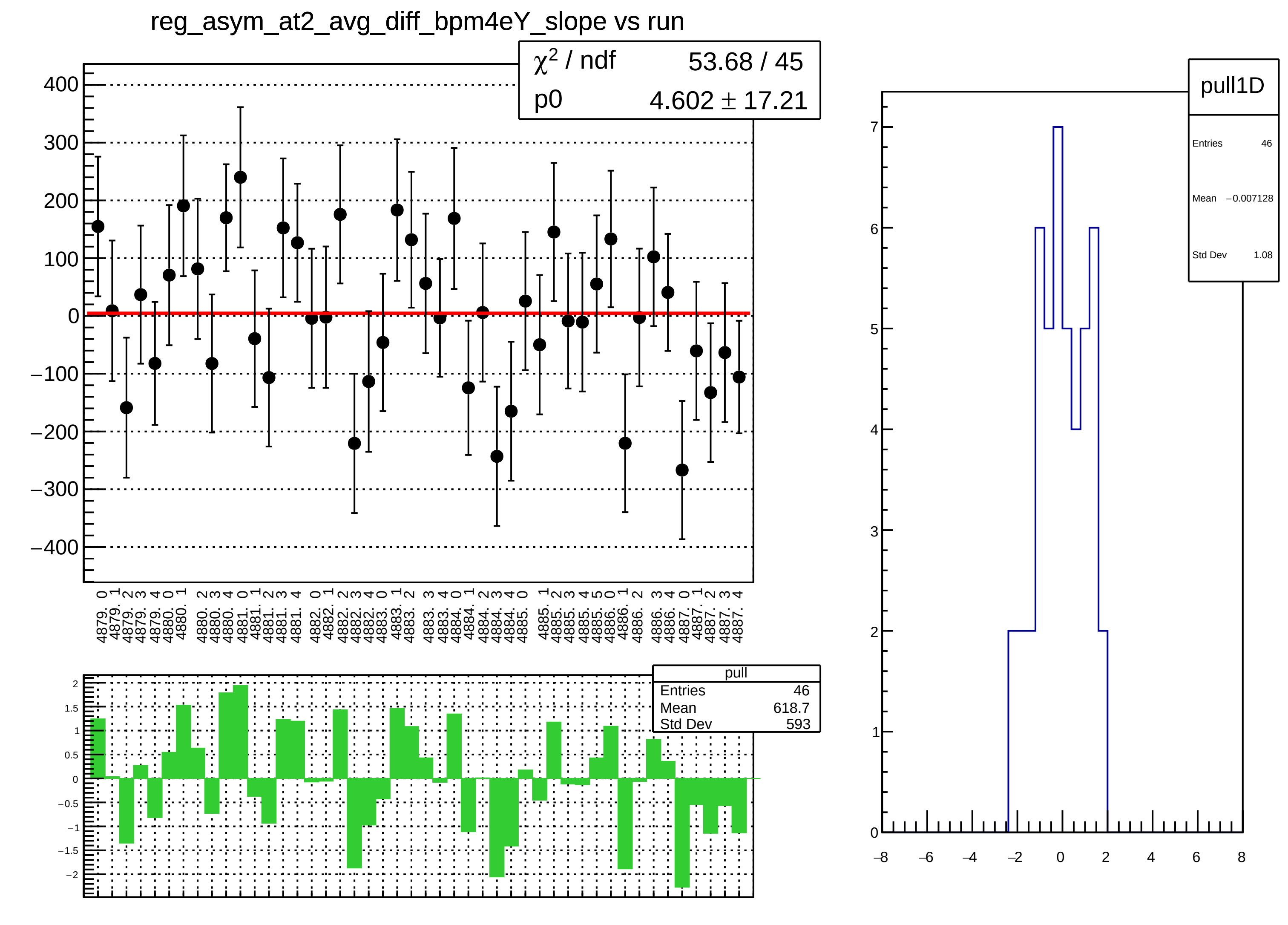
reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 54.4 / 45
p0 24 ± 10.84
200
100
0
−100
−200
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 212.3
Std Dev 181.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.004855
Std Dev 1.088
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

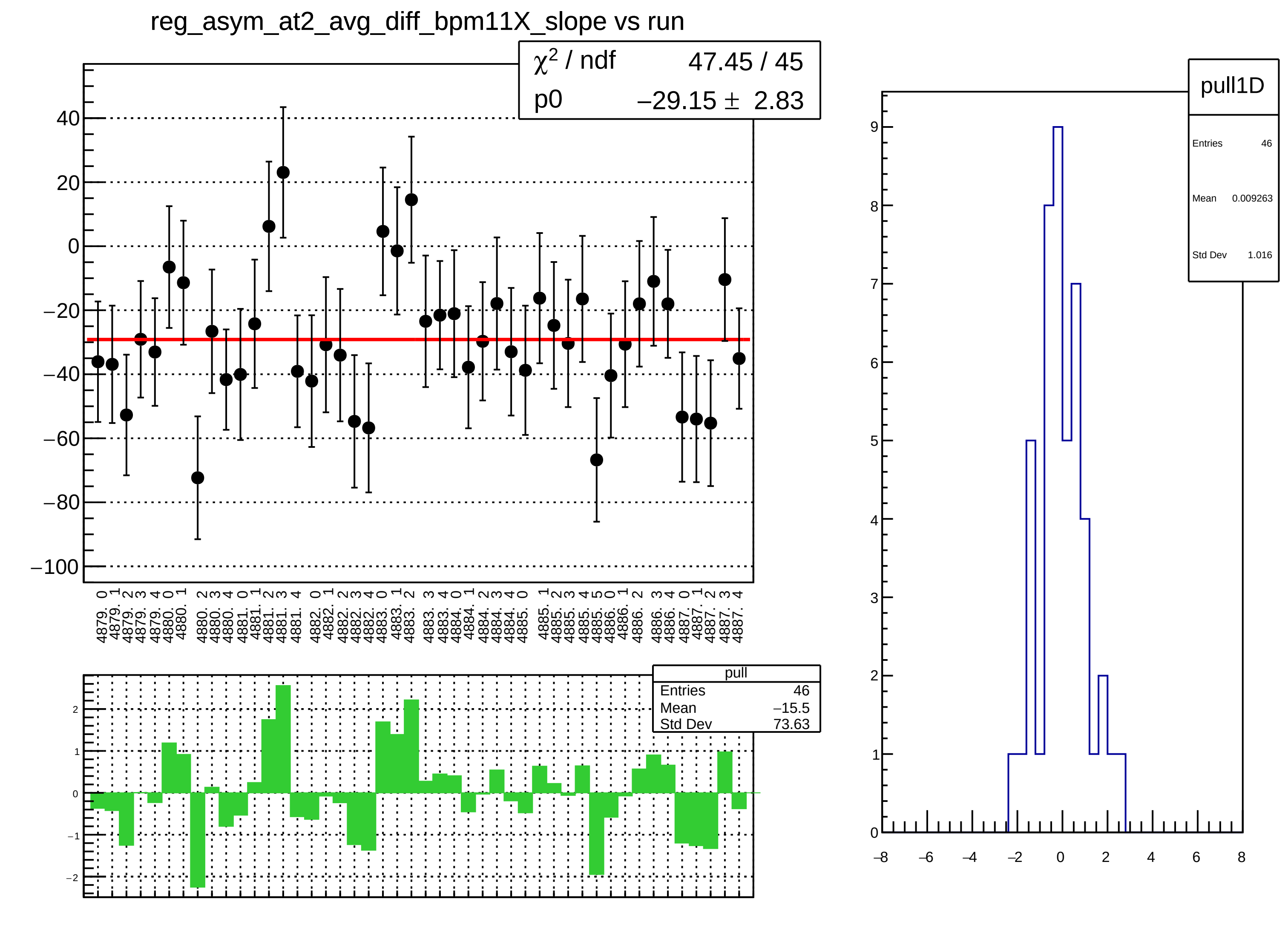


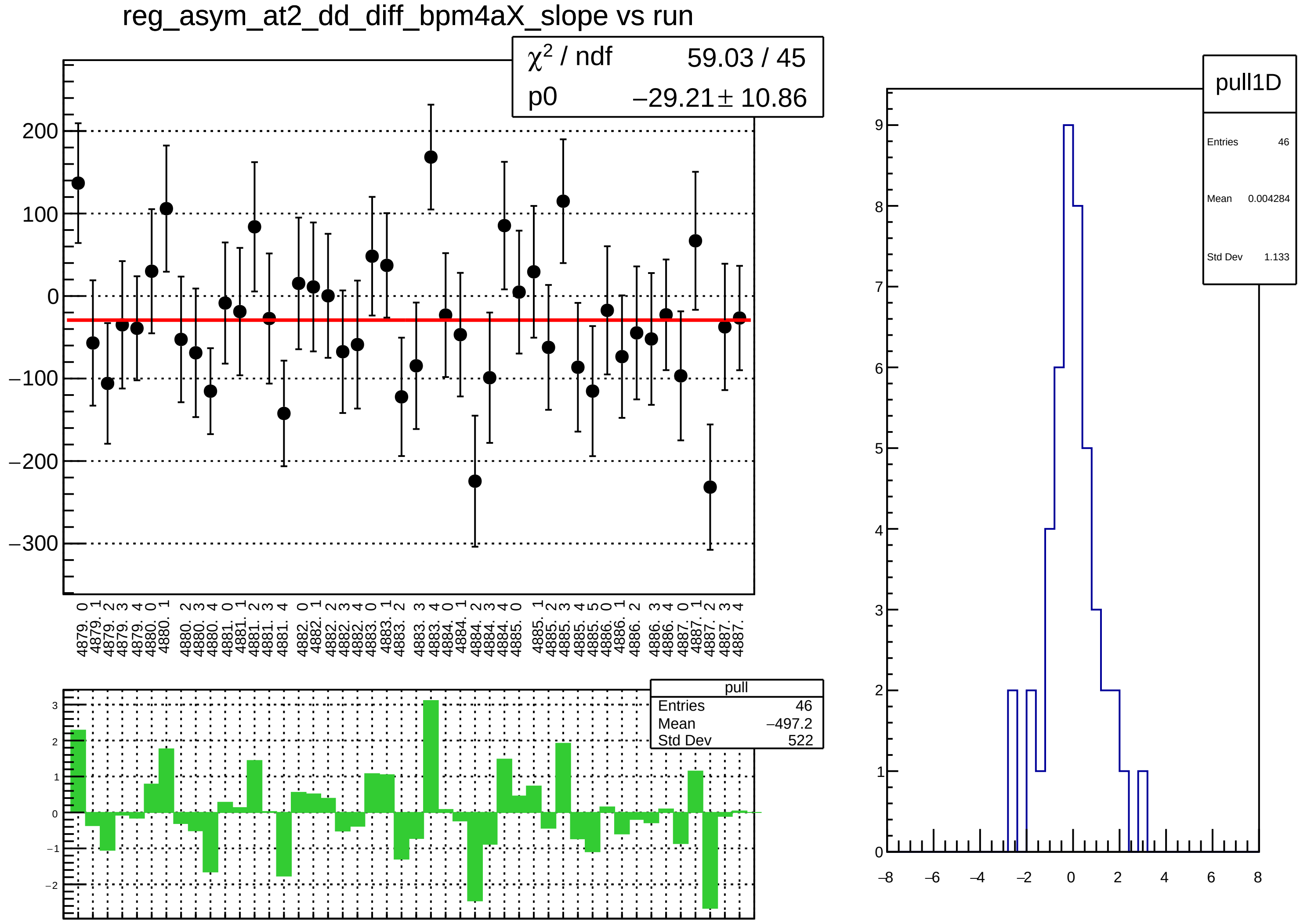
reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 49.89 / 45
p0 −6.069 ± 15.42
pull
Entries 46
Mean 361.7
Std Dev 336.4
pull1D
Entries 46
Mean 0.01177
Std Dev 1.041



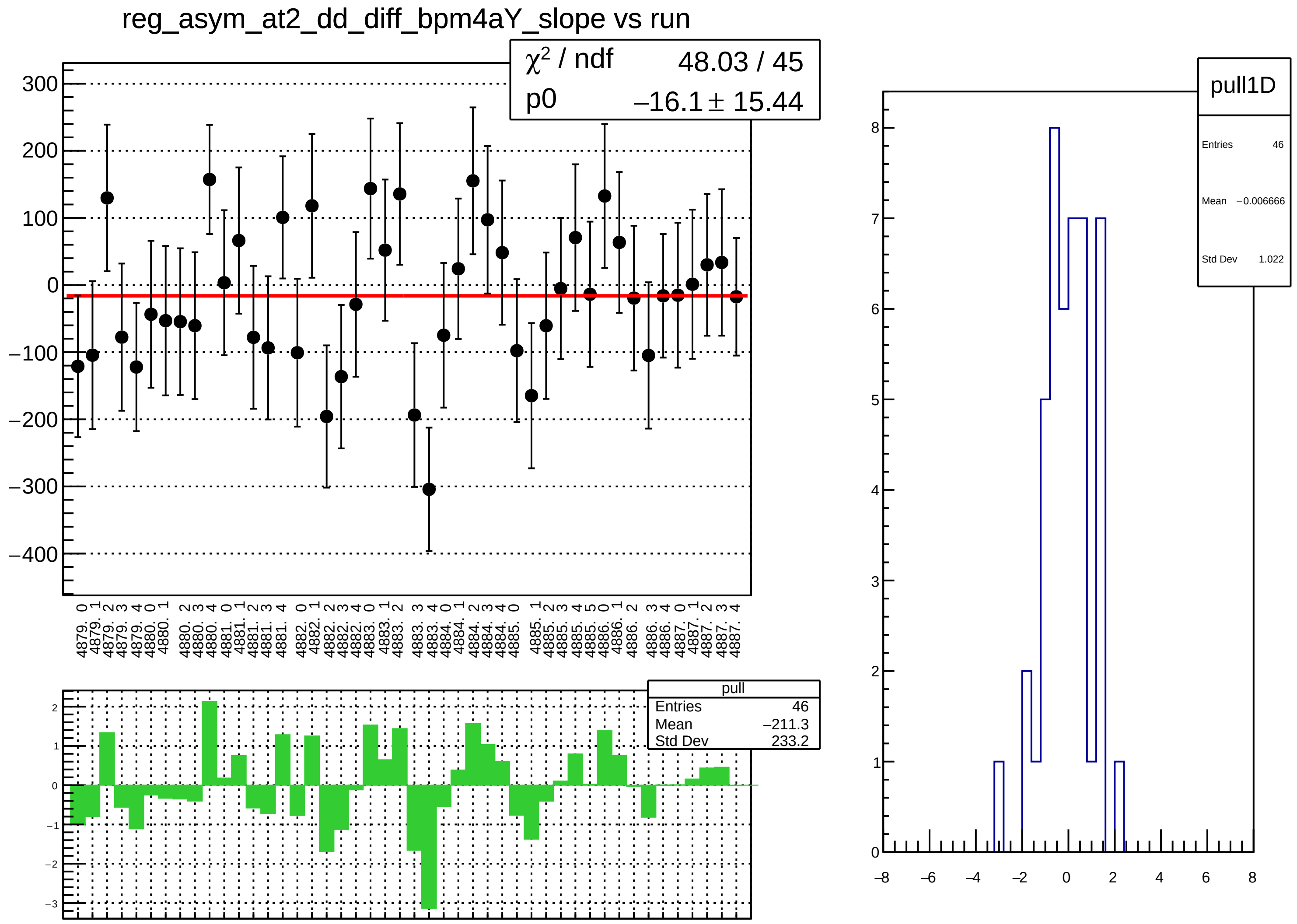
reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 35.61 / 45
p0 −16.2 ± 2.057
pull
Entries 46
Mean −1120
Std Dev 1146
pull1D
Entries 46
Mean 0.001239
Std Dev 0.8799


reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 53.68 / 45
p0 4.602 ± 17.21
pull
Entries 46
Mean 618.7
Std Dev 593
pull1D
Entries 46
Mean −0.007128
Std Dev 1.08

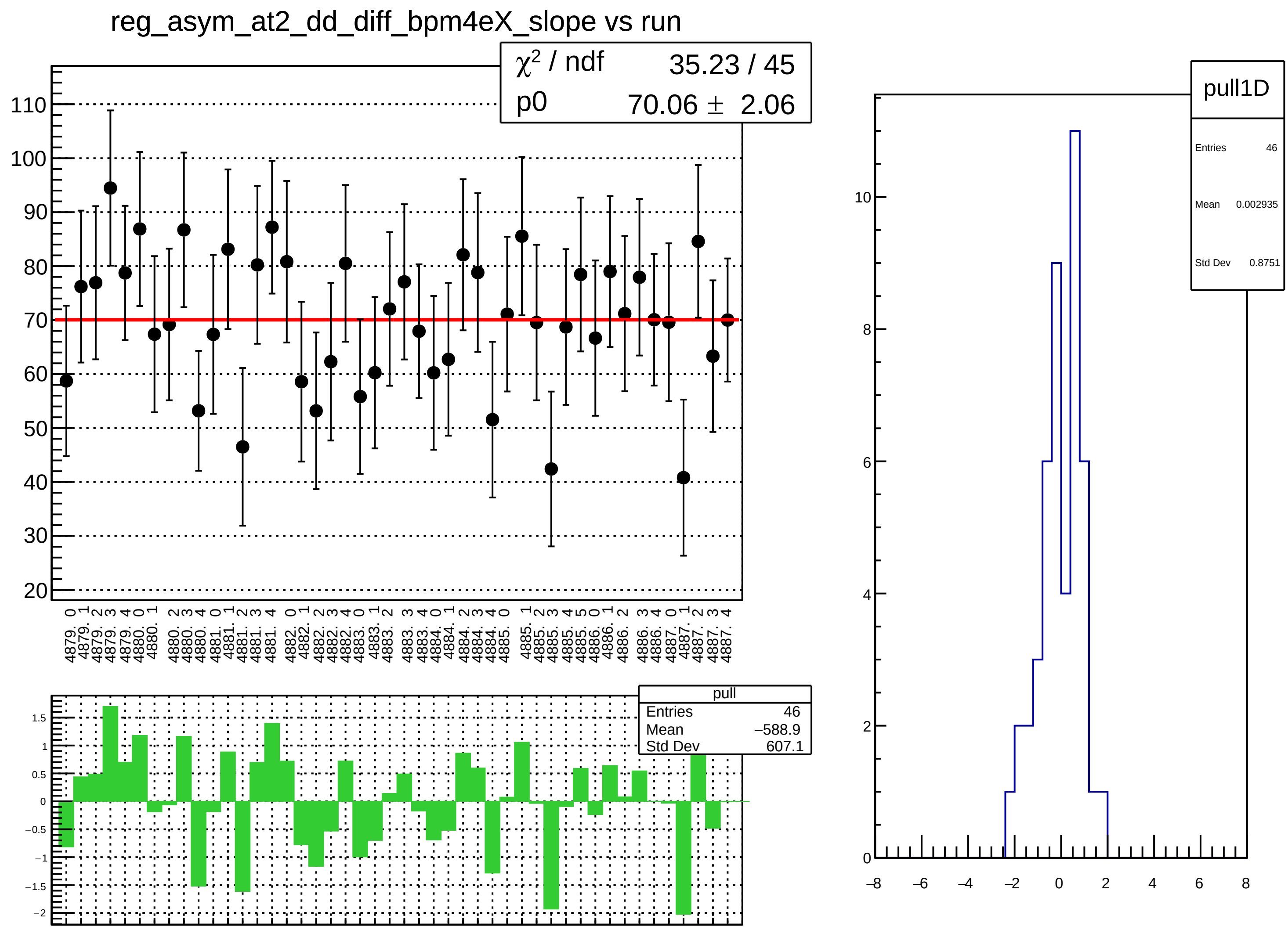

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ^2 / ndf 47.45 / 45
p0 −29.15 ± 2.83
pull
Entries 46
Mean −15.5
Std Dev 73.63
pull1D
Entries 46
Mean 0.009263
Std Dev 1.016



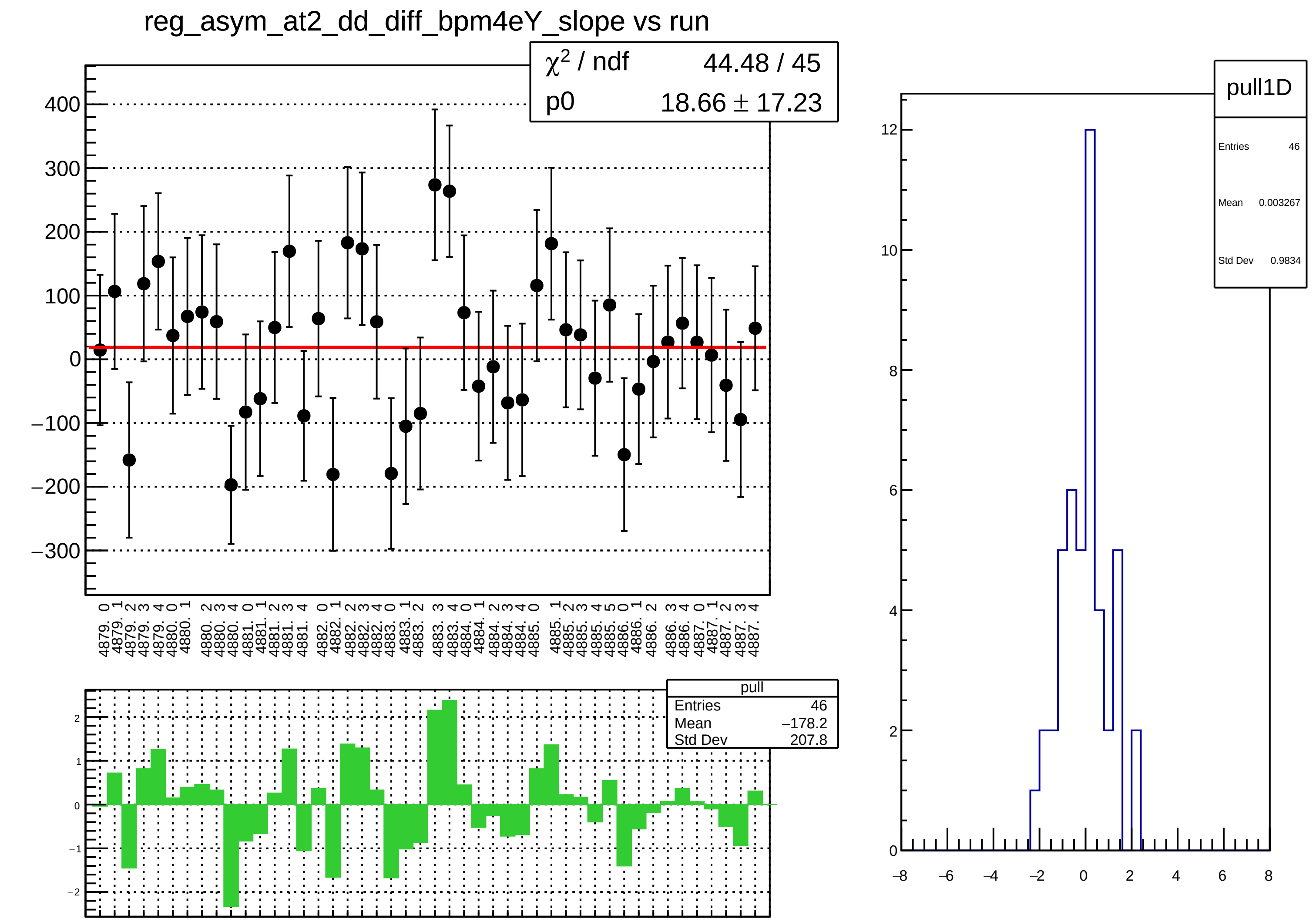
reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 59.03 / 45
p0 −29.21 ± 10.86
pull
Entries 46
Mean −497.2
Std Dev 522
pull1D
Entries 46
Mean 0.004284
Std Dev 1.133



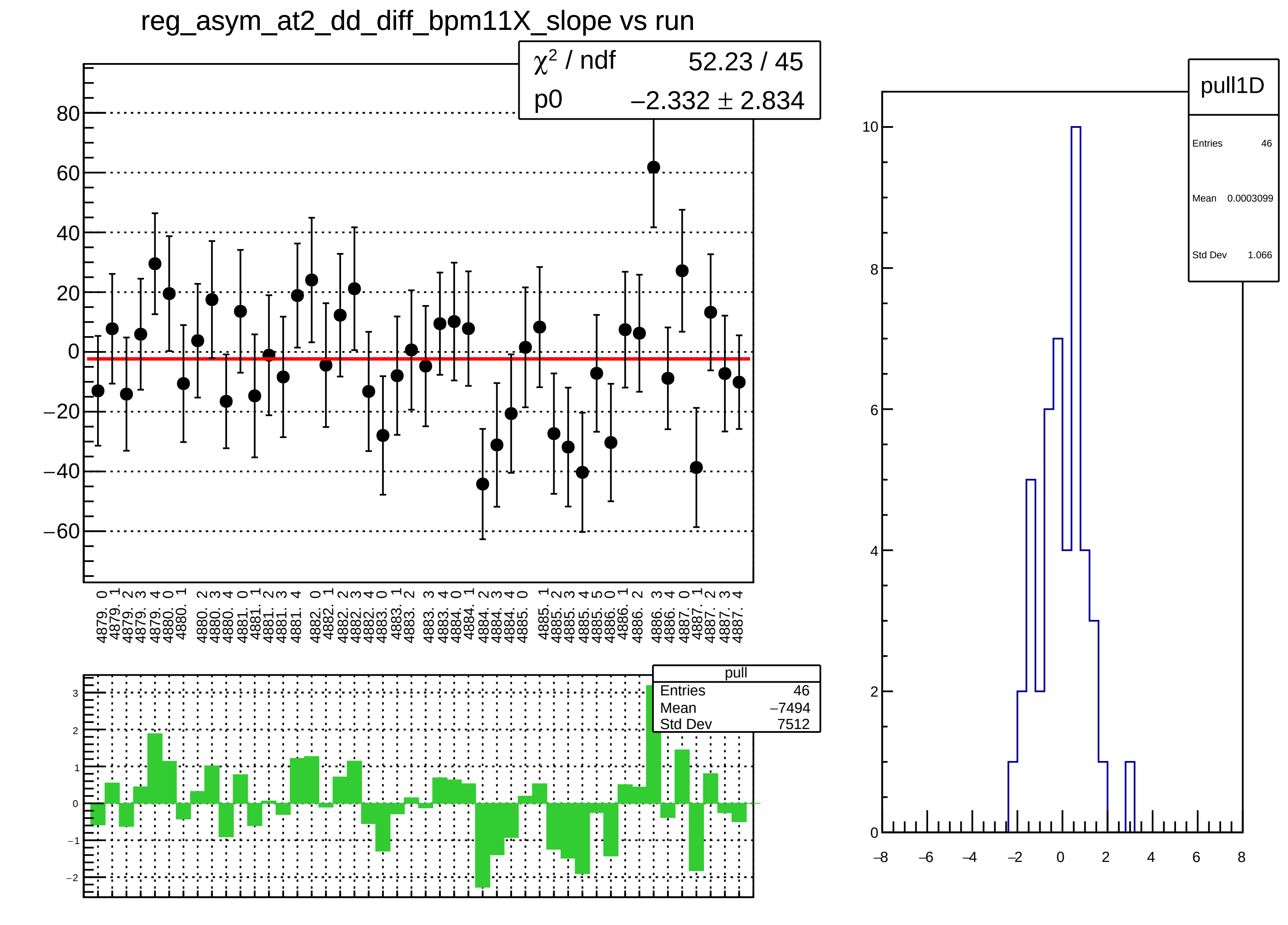
reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 48.03 / 45
p0 −16.1 ± 15.44
pull
Entries 46
Mean −211.3
Std Dev 233.2
pull1D
Entries 46
Mean −0.006666
Std Dev 1.022



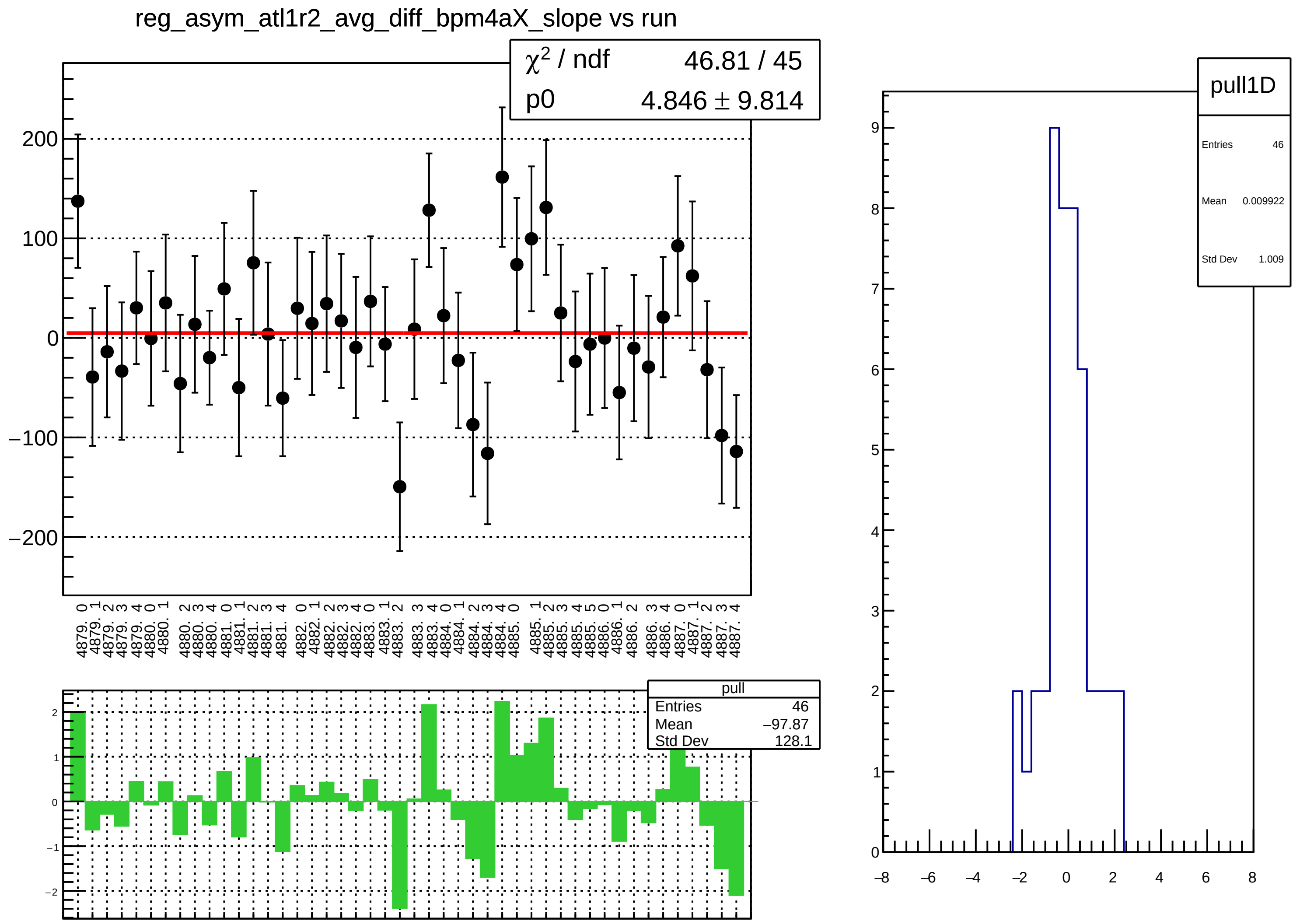
reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 35.23 / 45
p0 70.06 ± 2.06
pull
Entries 46
Mean −588.9
Std Dev 607.1
pull1D
Entries 46
Mean 0.002935
Std Dev 0.8751



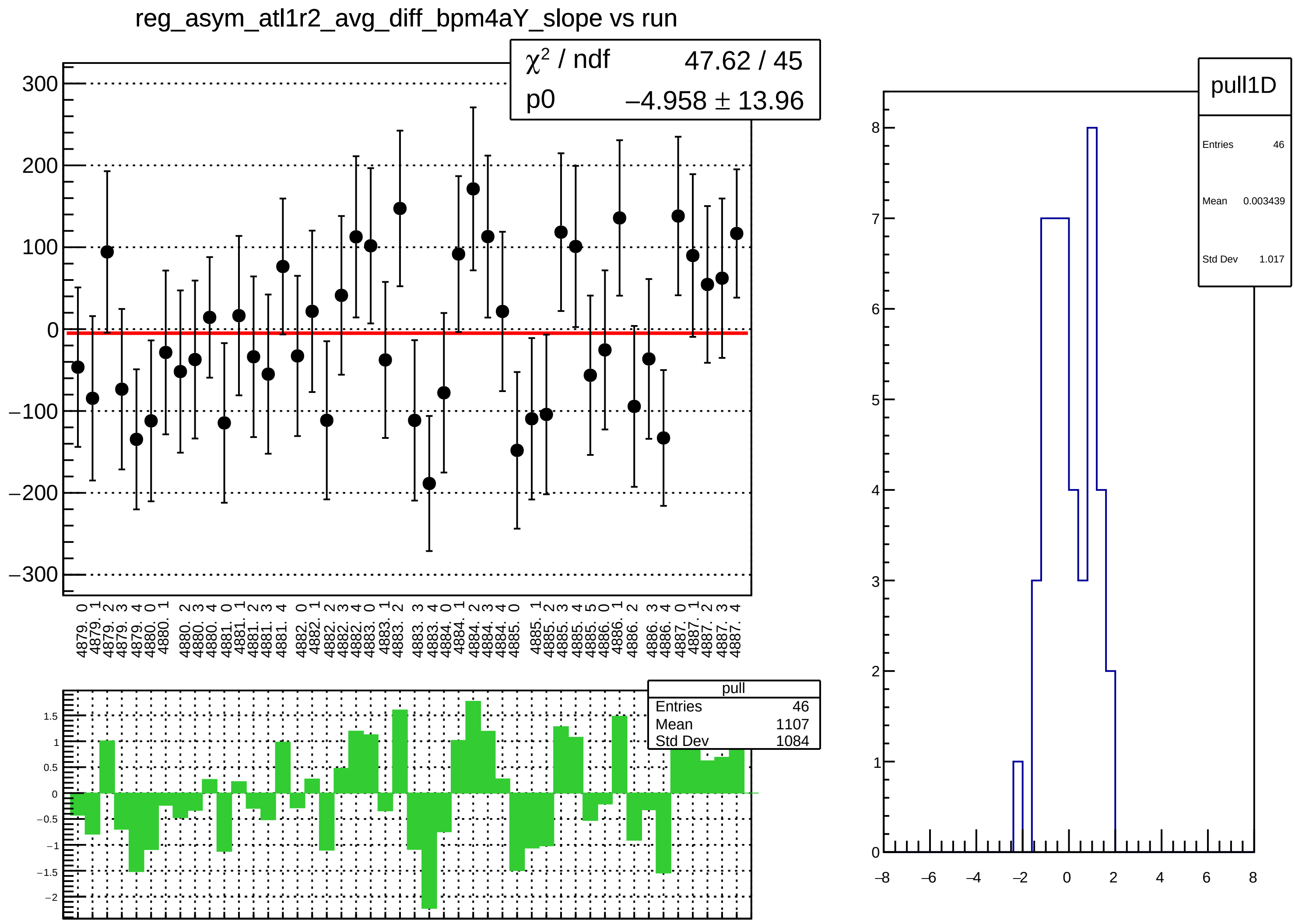
reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 44.48 / 45
p0 18.66 ± 17.23
pull
Entries 46
Mean −178.2
Std Dev 207.8
pull1D
Entries 46
Mean 0.003267
Std Dev 0.9834



reg_asym_at2_dd_diff_bpm11X_slope vs run
χ^2 / ndf 52.23 / 45
p0 −2.332 ± 2.834
pull
Entries 46
Mean −7494
Std Dev 7512
pull1D
Entries 46
Mean 0.0003099
Std Dev 1.066

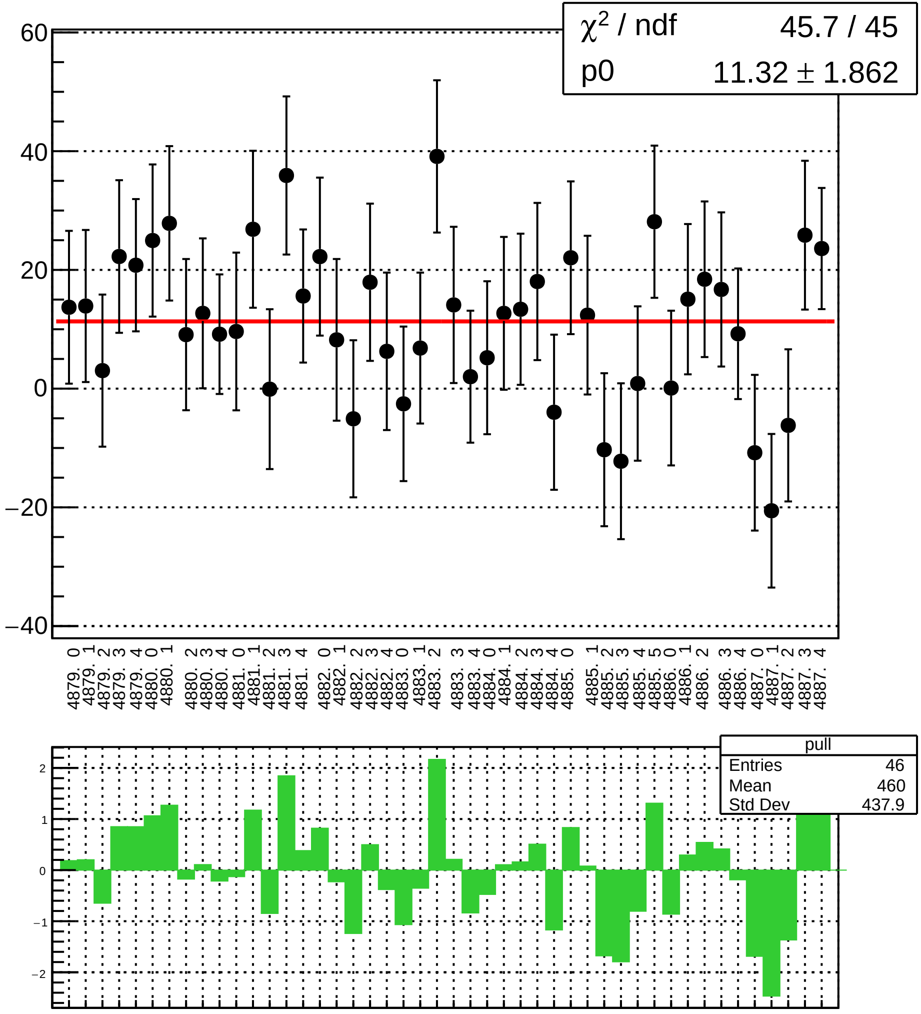


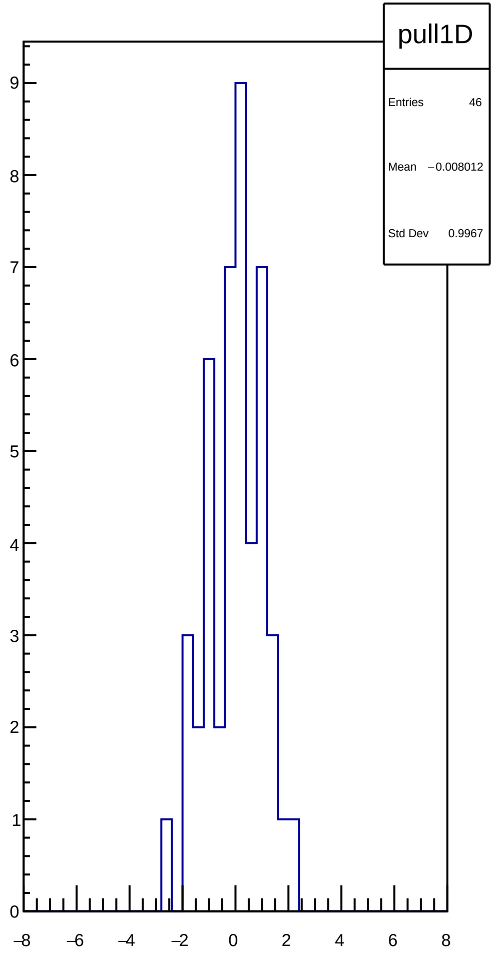
reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 46.81 / 45
p0 4.846 ± 9.814
pull
Entries 46
Mean −97.87
Std Dev 128.1
pull1D
Entries 46
Mean 0.009922
Std Dev 1.009

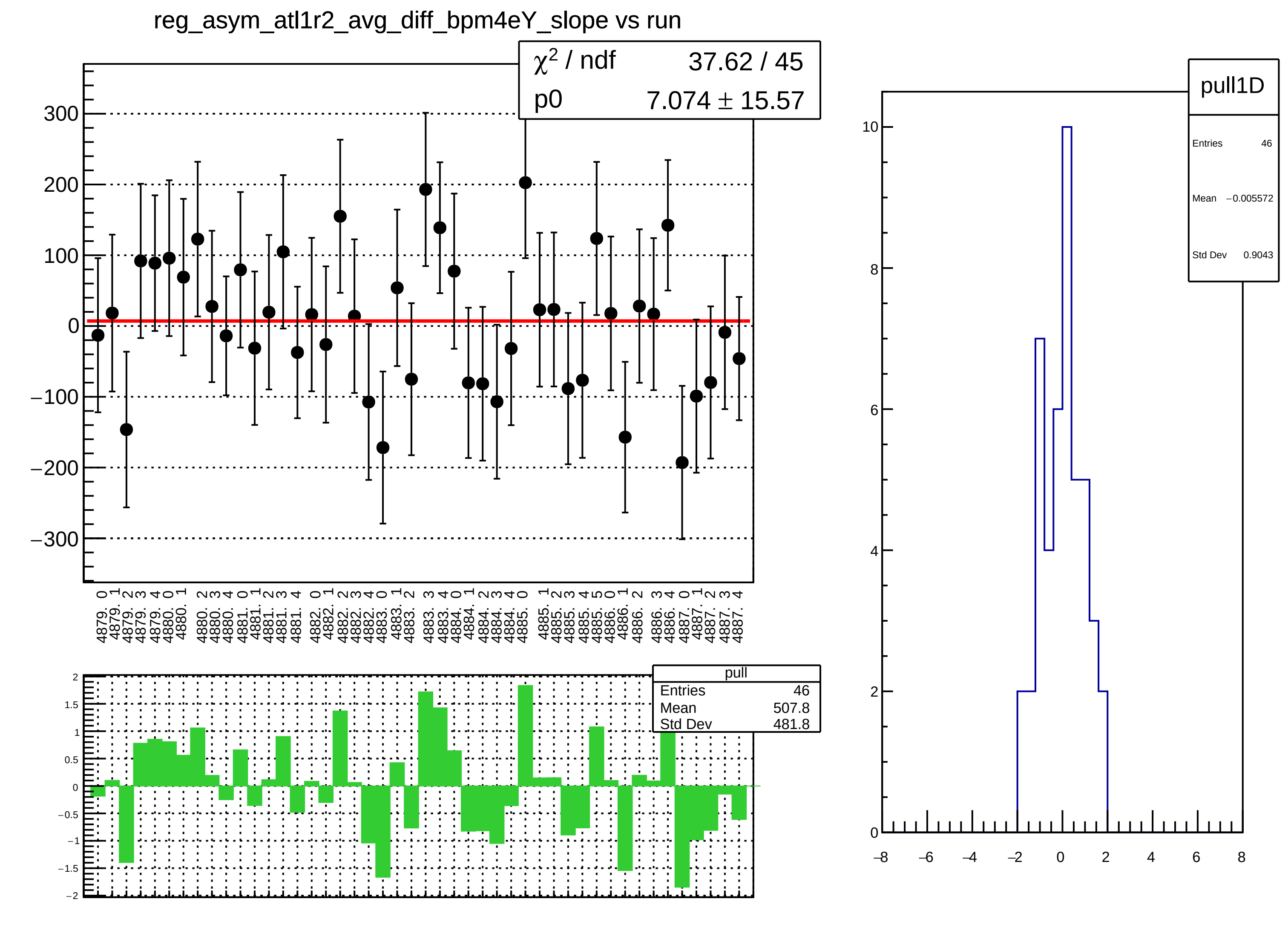


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 47.62 / 45
p0 −4.958 ± 13.96
pull
Entries 46
Mean 1107
Std Dev 1084
pull1D
Entries 46
Mean 0.003439
Std Dev 1.017

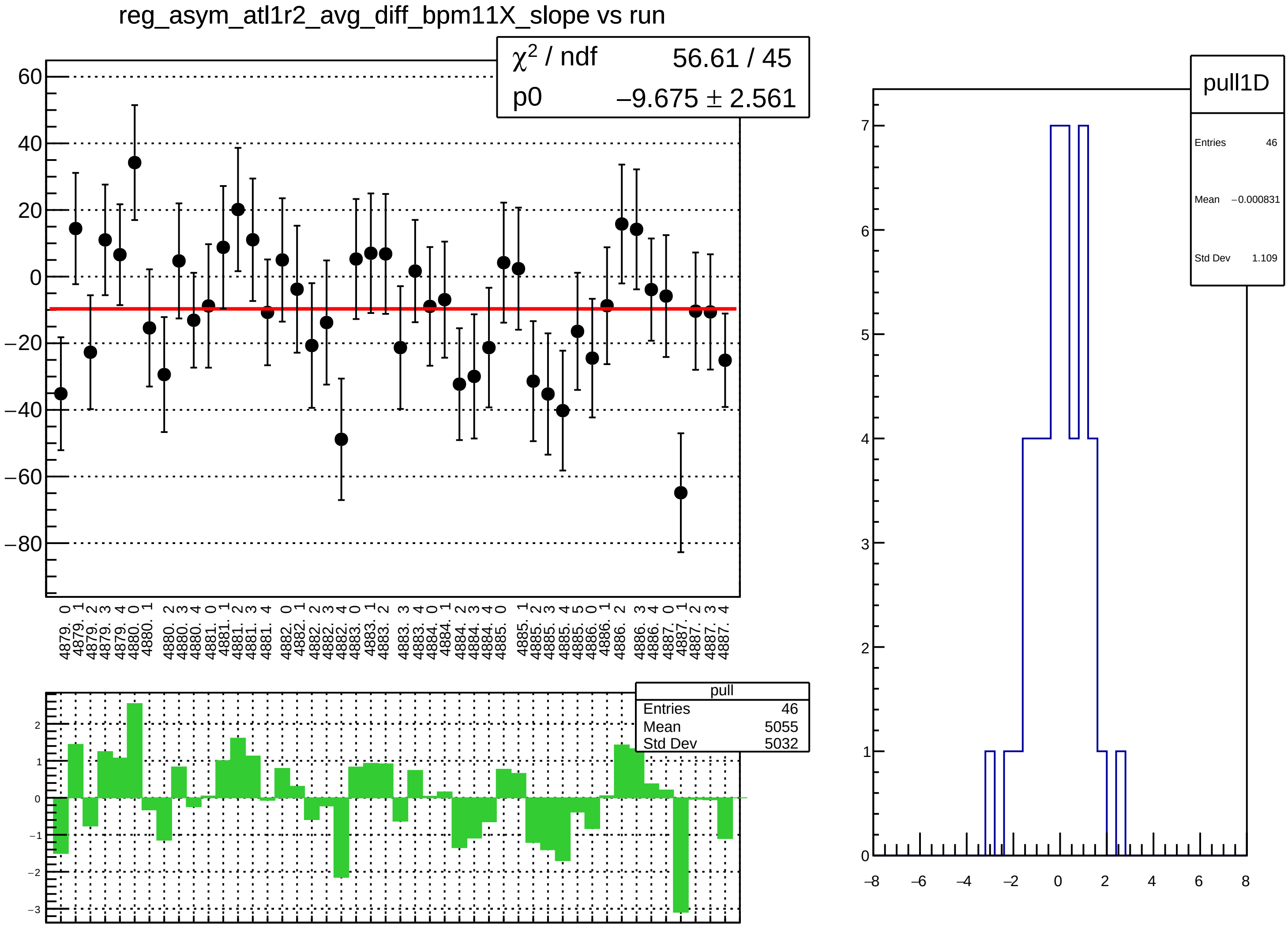
reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run

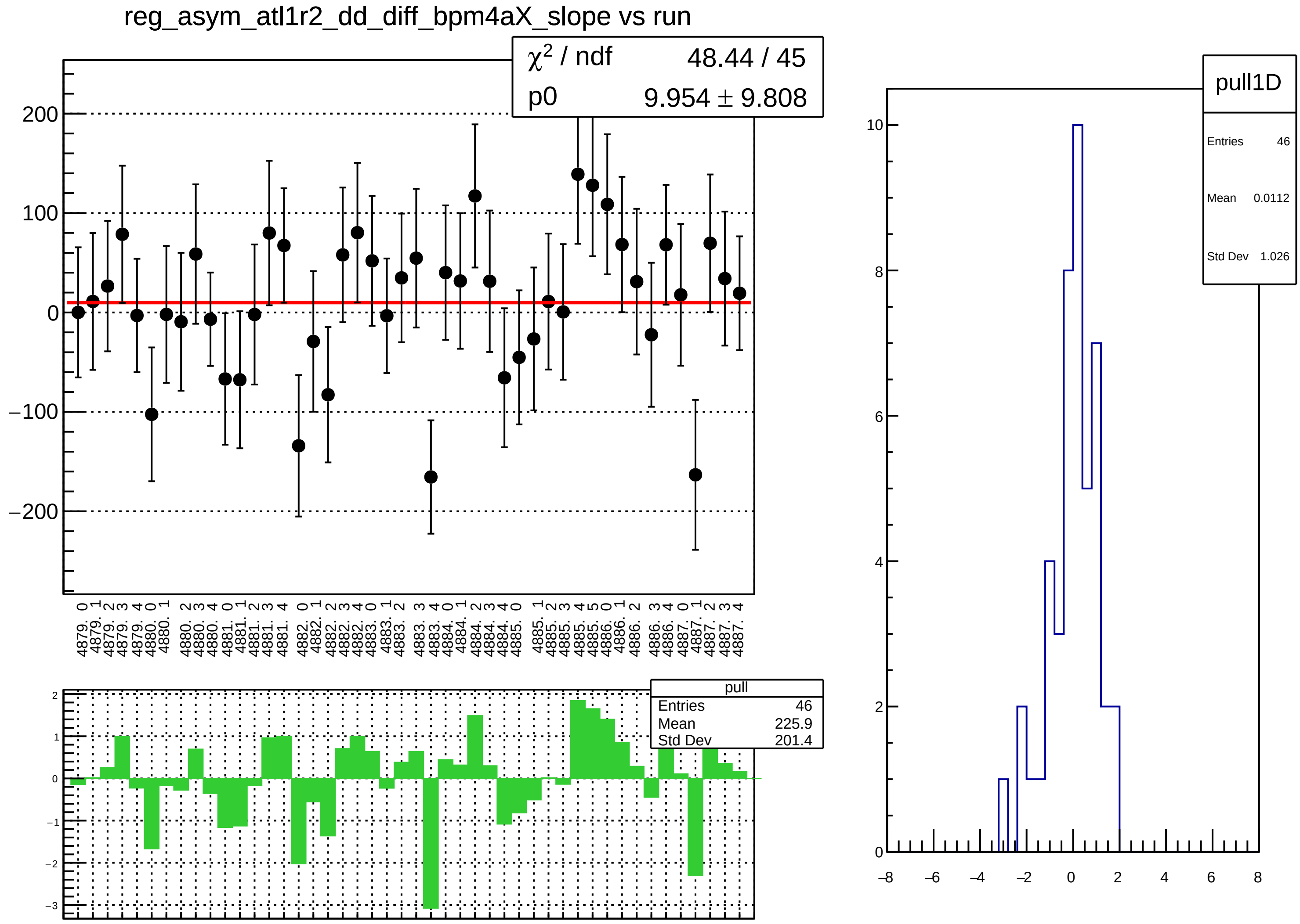




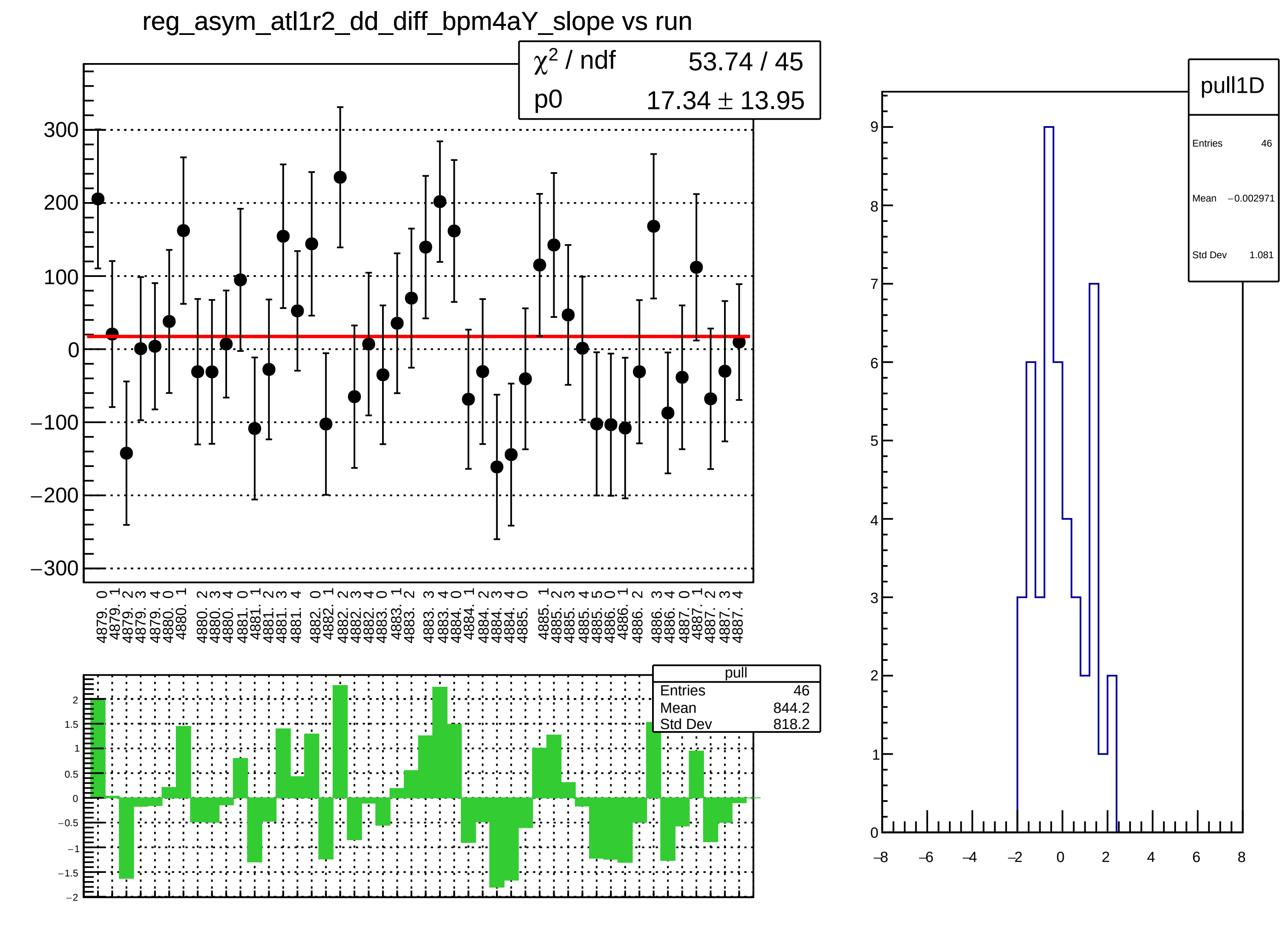


reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 37.62 / 45
p0 7.074 ± 15.57
pull
Entries 46
Mean 507.8
Std Dev 481.8
pull1D
Entries 46
Mean −0.005572
Std Dev 0.9043

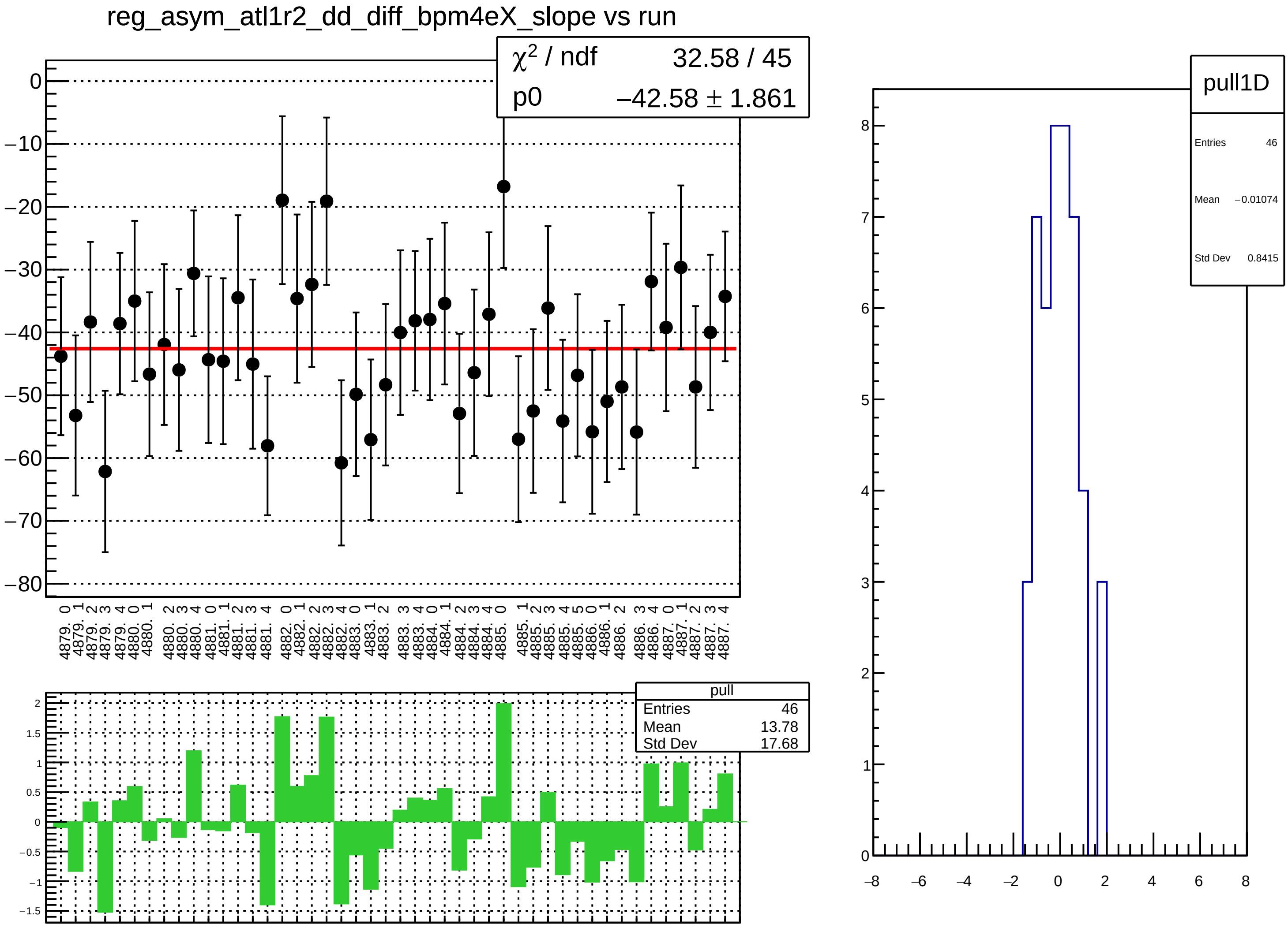

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ2 / ndf 56.61 / 45
p0 −9.675 ± 2.561
pull
Entries 46
Mean 5055
Std Dev 5032
pull1D
Entries 46
Mean −0.000831
Std Dev 1.109

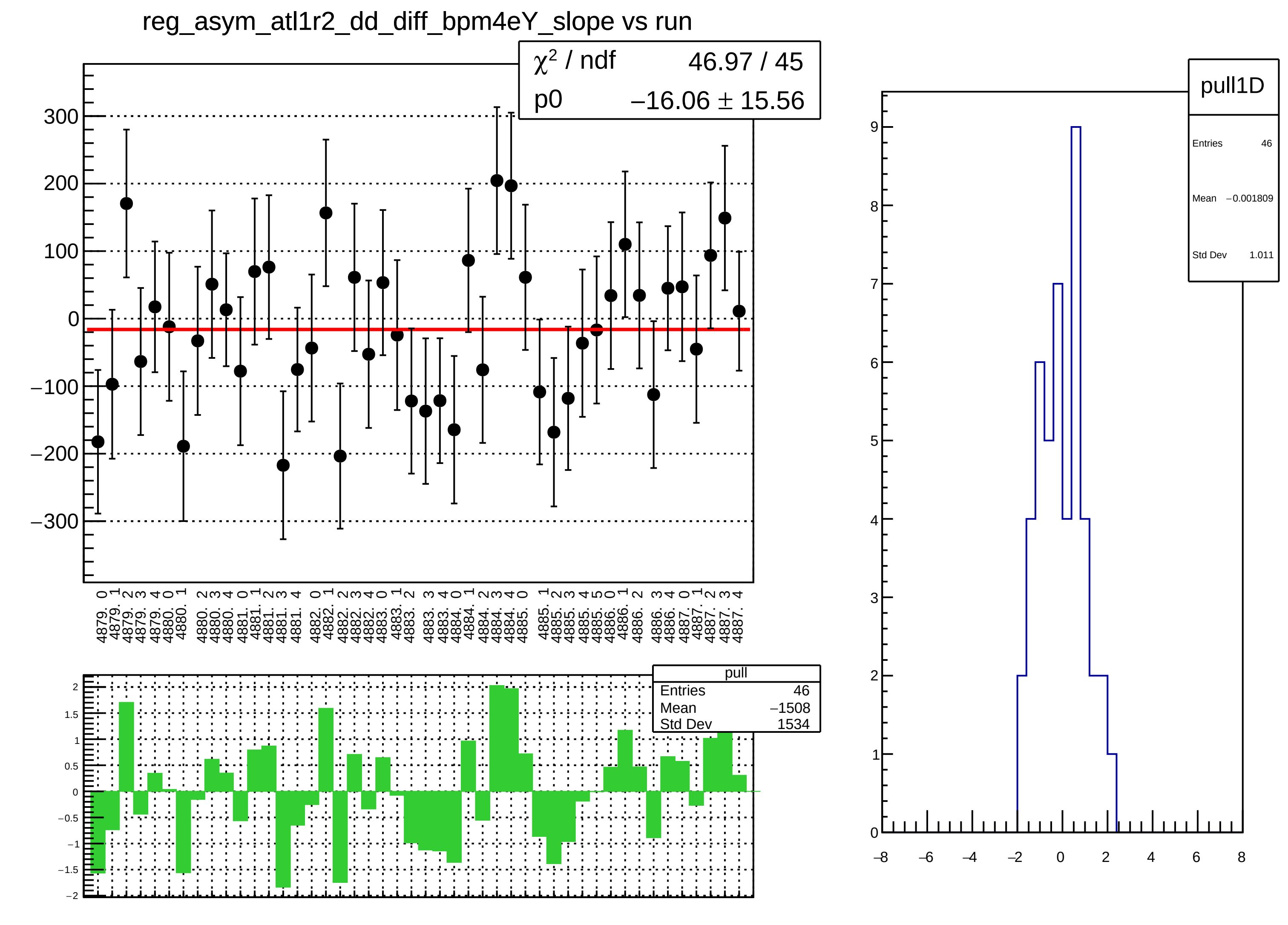


reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 48.44 / 45
p0 9.954 ± 9.808
pull
Entries 46
Mean 225.9
Std Dev 201.4
pull1D
Entries 46
Mean 0.0112
Std Dev 1.026

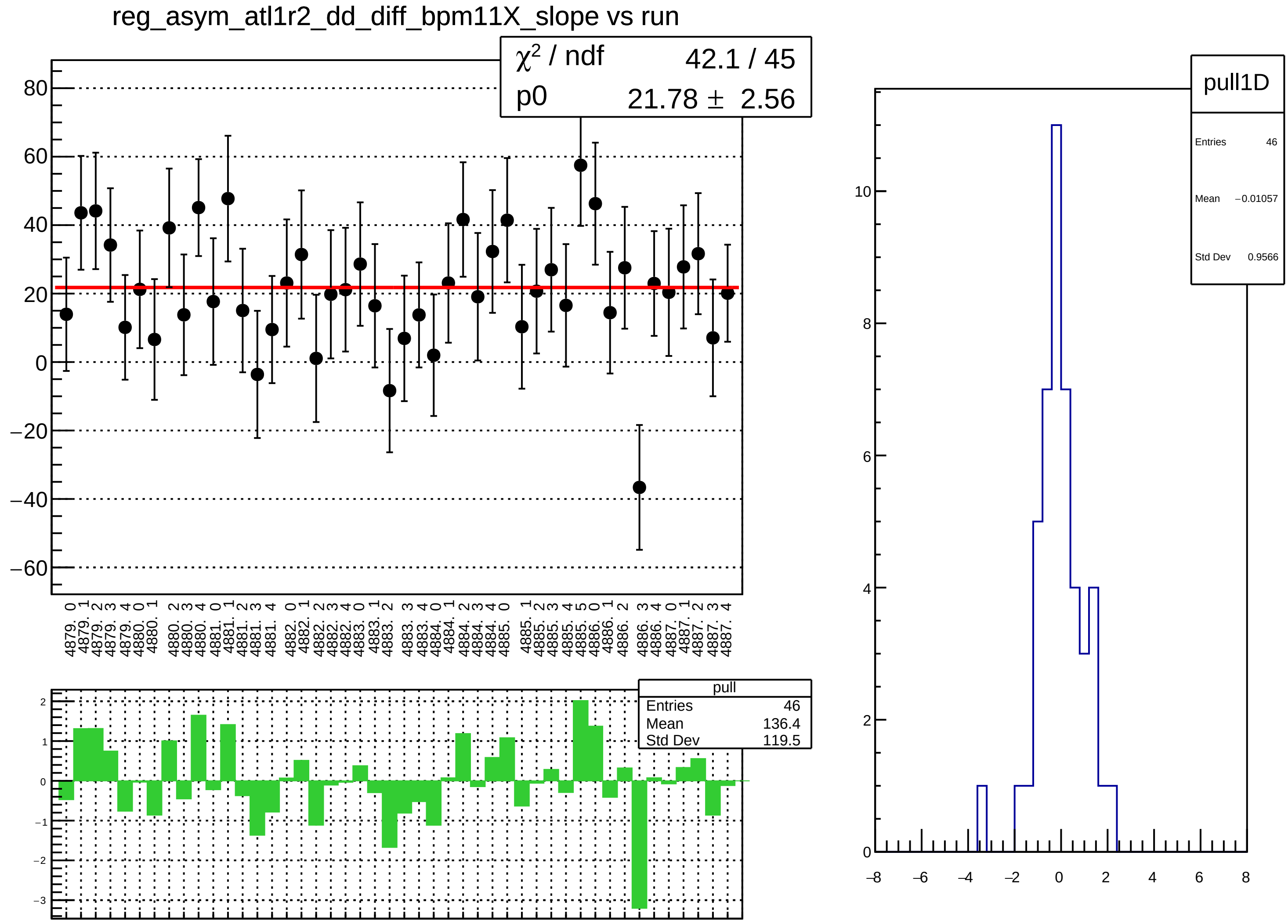


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 53.74 / 45
p0 17.34 ± 13.95
pull
Entries 46
Mean 844.2
Std Dev 818.2
pull1D
Entries 46
Mean −0.002971
Std Dev 1.081

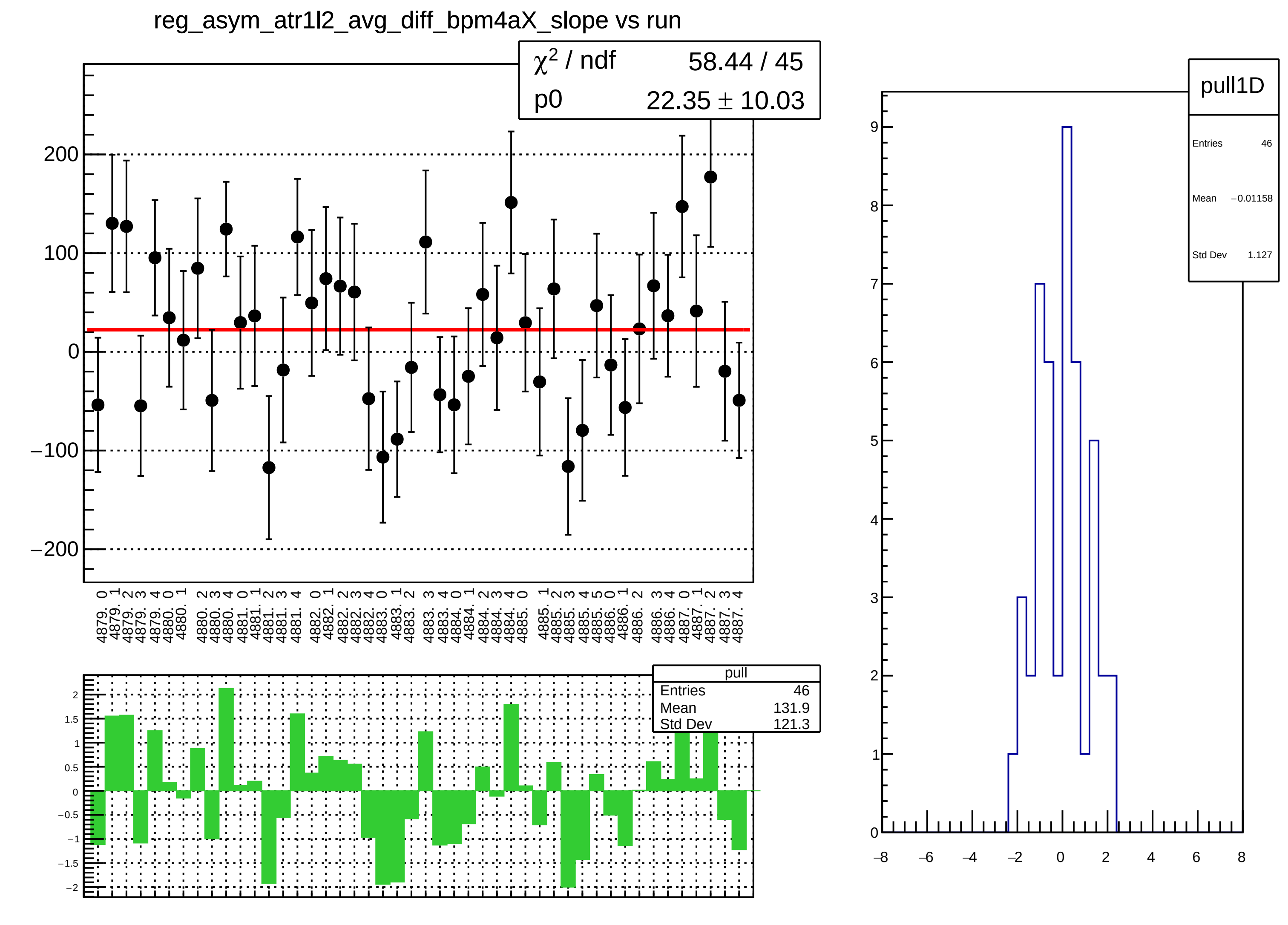

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 32.58 / 45
p0 −42.58 ± 1.861
pull
Entries 46
Mean 13.78
Std Dev 17.68
pull1D
Entries 46
Mean −0.01074
Std Dev 0.8415



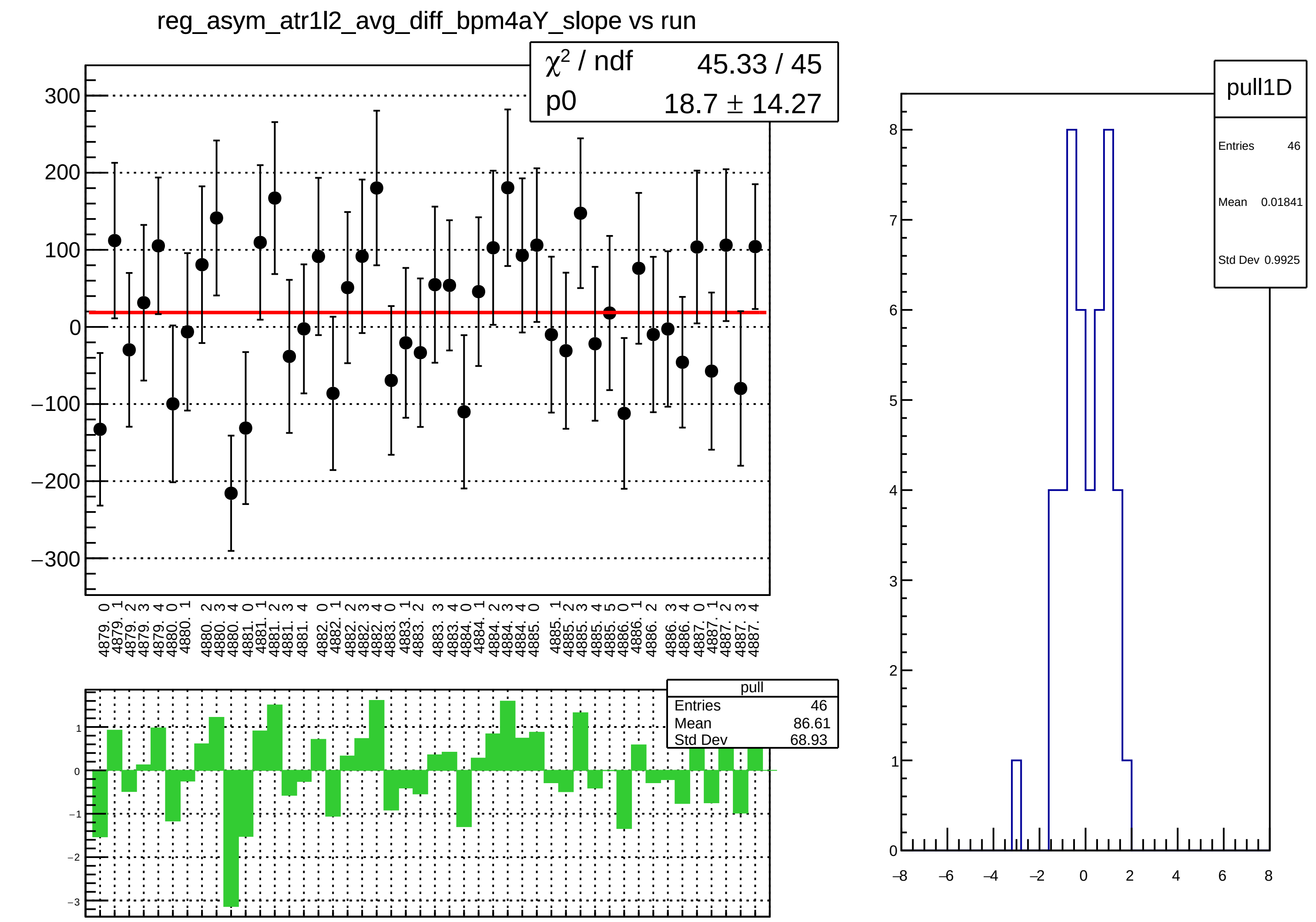
reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 46.97 / 45
p0 −16.06 ± 15.56
pull
Entries 46
Mean −1508
Std Dev 1534
pull1D
Entries 46
Mean −0.001809
Std Dev 1.011



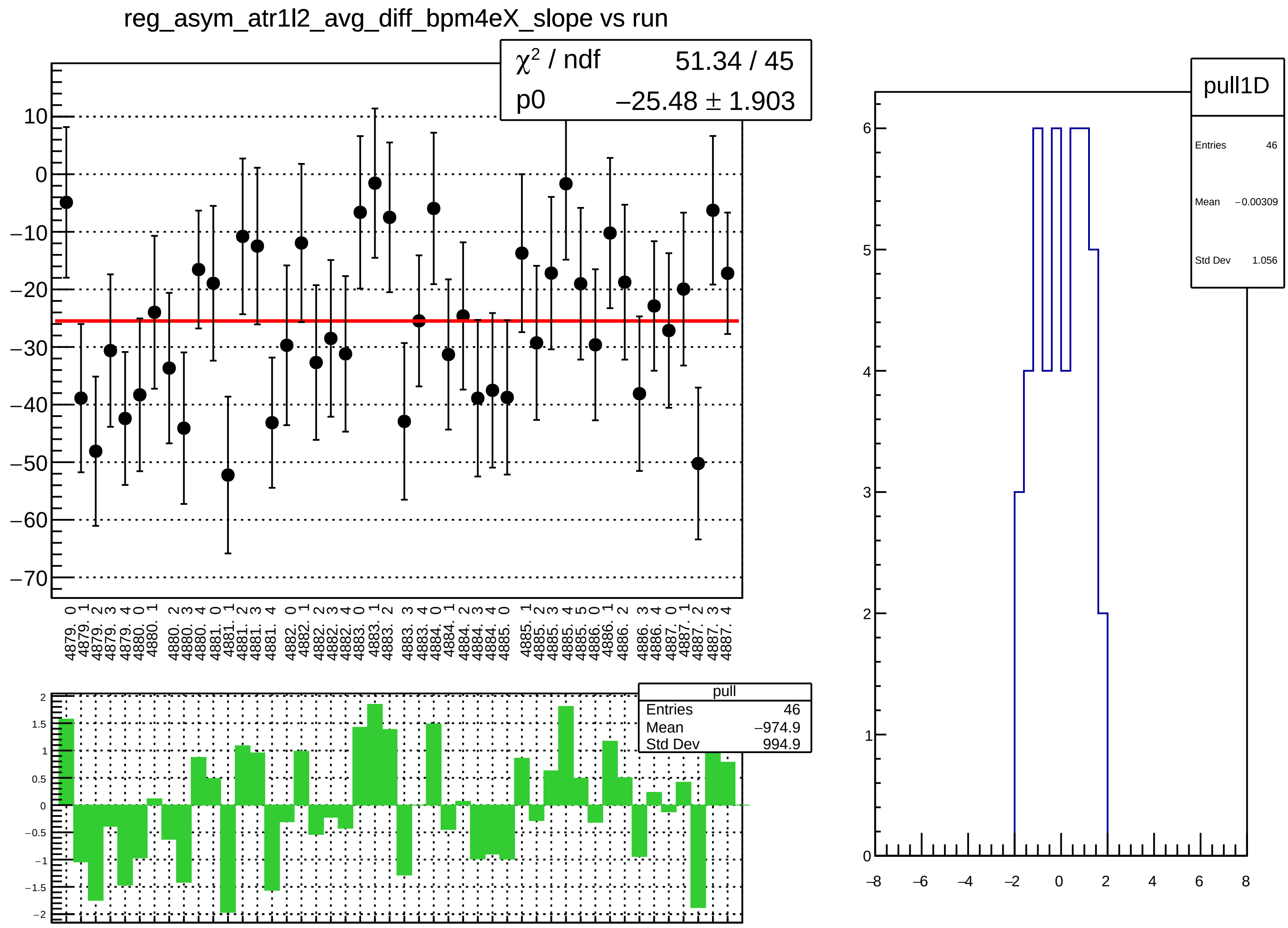
reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ^2 / ndf 42.1 / 45
p0 21.78 ± 2.56
pull
Entries 46
Mean 136.4
Std Dev 119.5
pull1D
Entries 46
Mean −0.01057
Std Dev 0.9566



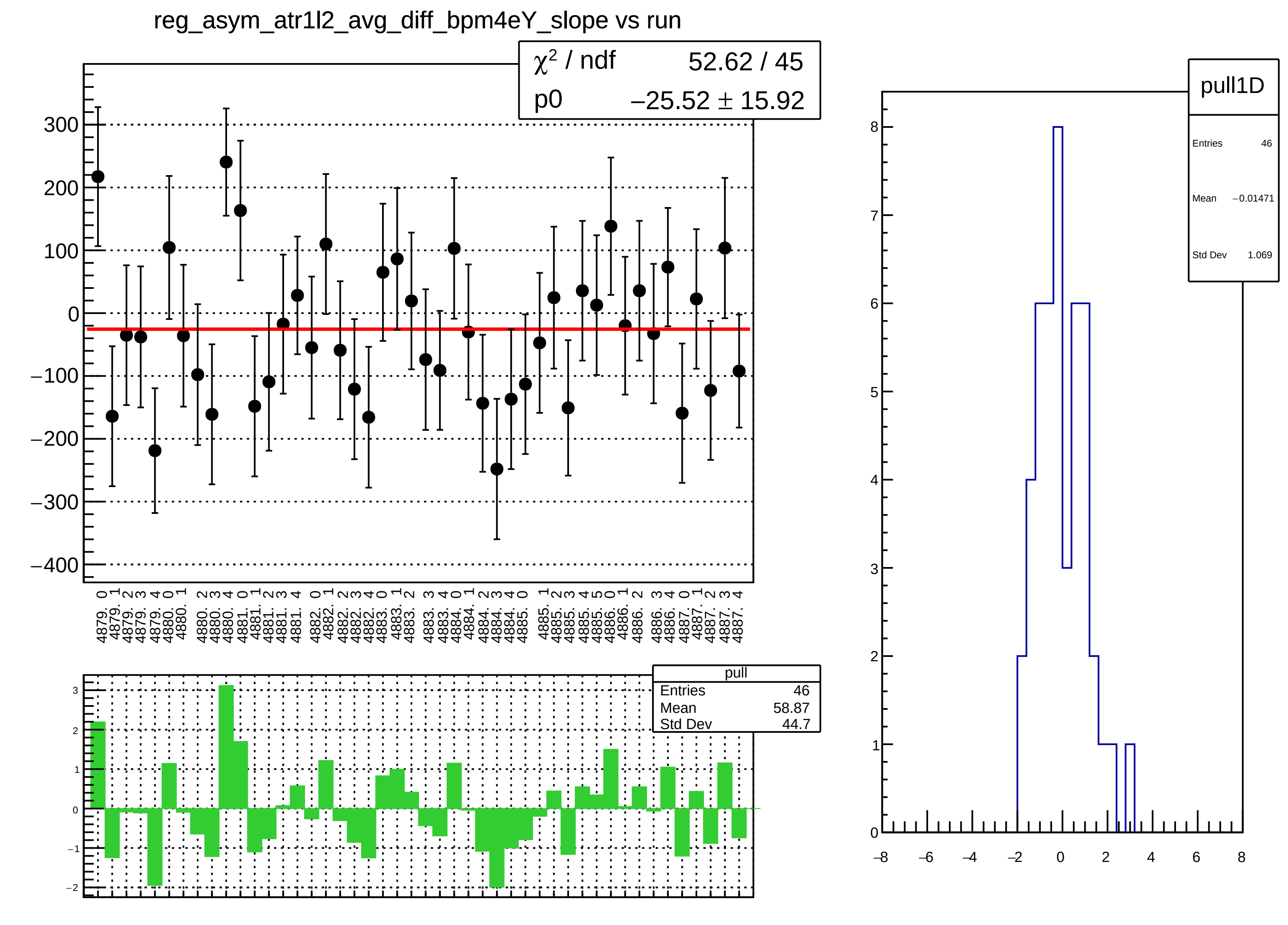
reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 58.44 / 45
p0 22.35 ± 10.03
200
100
0
−100
−200
pull
Entries 46
Mean 131.9
Std Dev 121.3
pull1D
Entries 46
Mean −0.01158
Std Dev 1.127



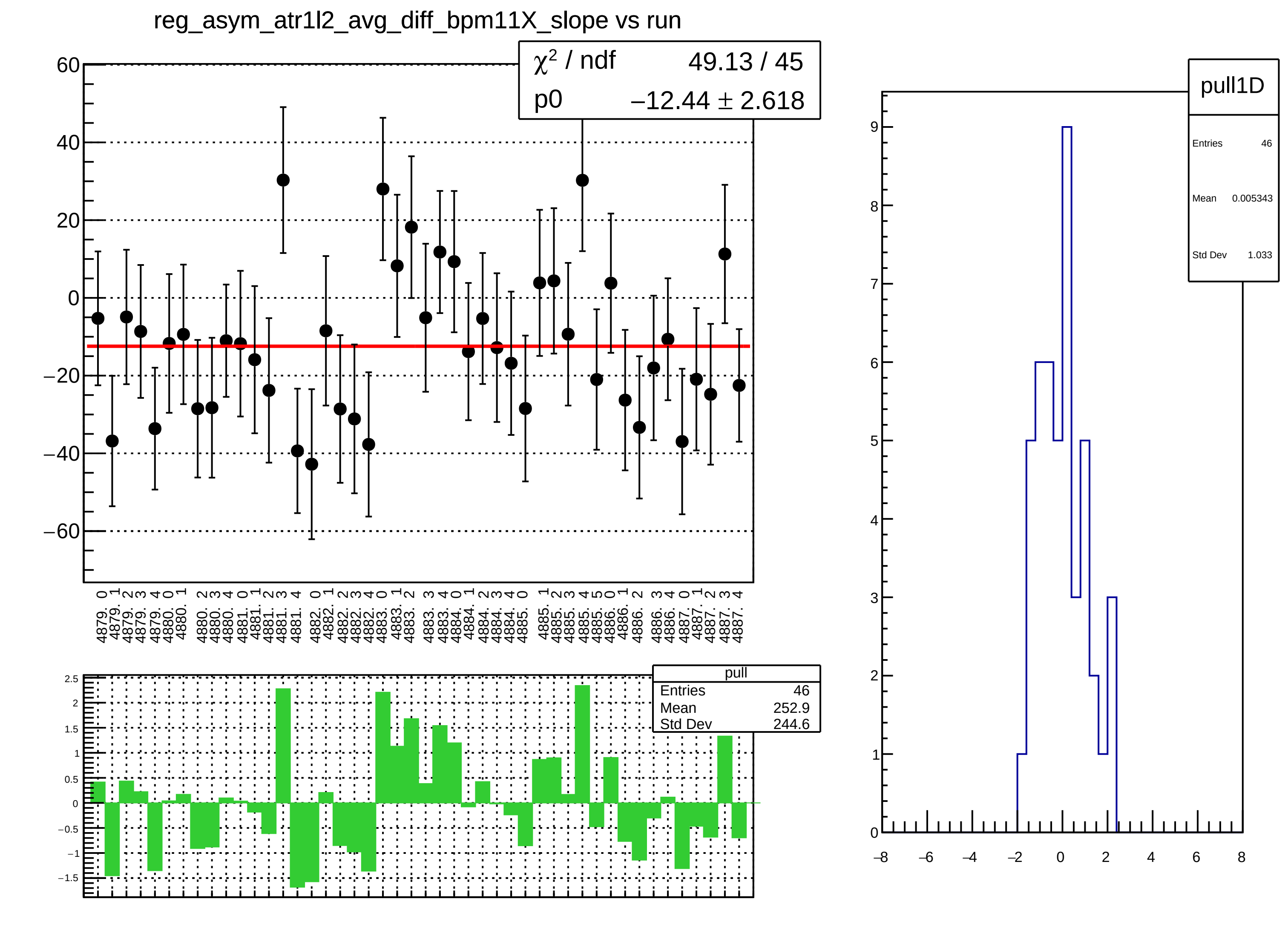
reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 45.33 / 45
p0 18.7 ± 14.27
pull
Entries 46
Mean 86.61
Std Dev 68.93
pull1D
Entries 46
Mean 0.01841
Std Dev 0.9925



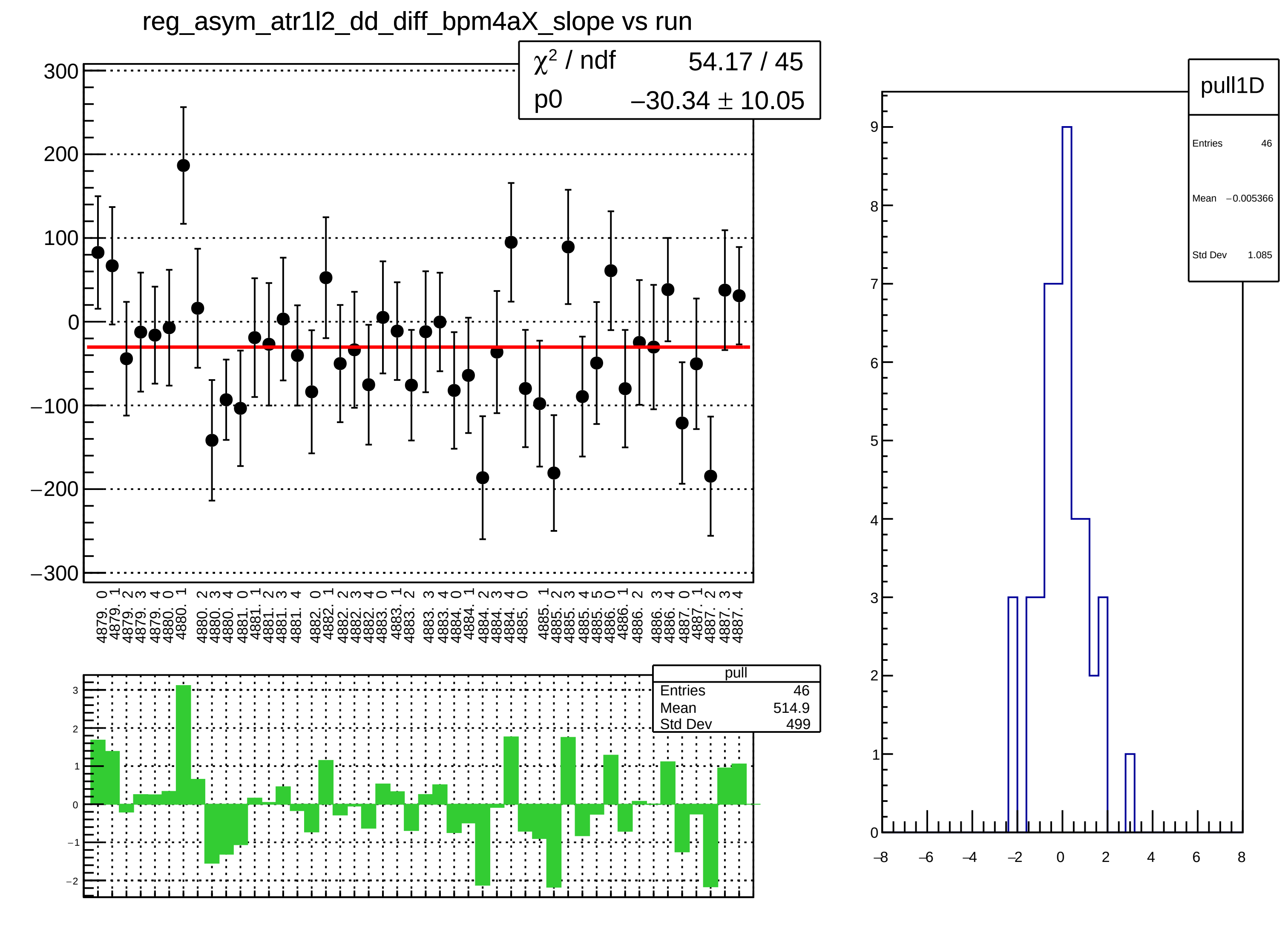
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 51.34 / 45
p0 −25.48 ± 1.903
10
0
−10
−20
−30
−40
−50
−60
−70
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4
pull
Entries 46
Mean −974.9
Std Dev 994.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.00309
Std Dev 1.056
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



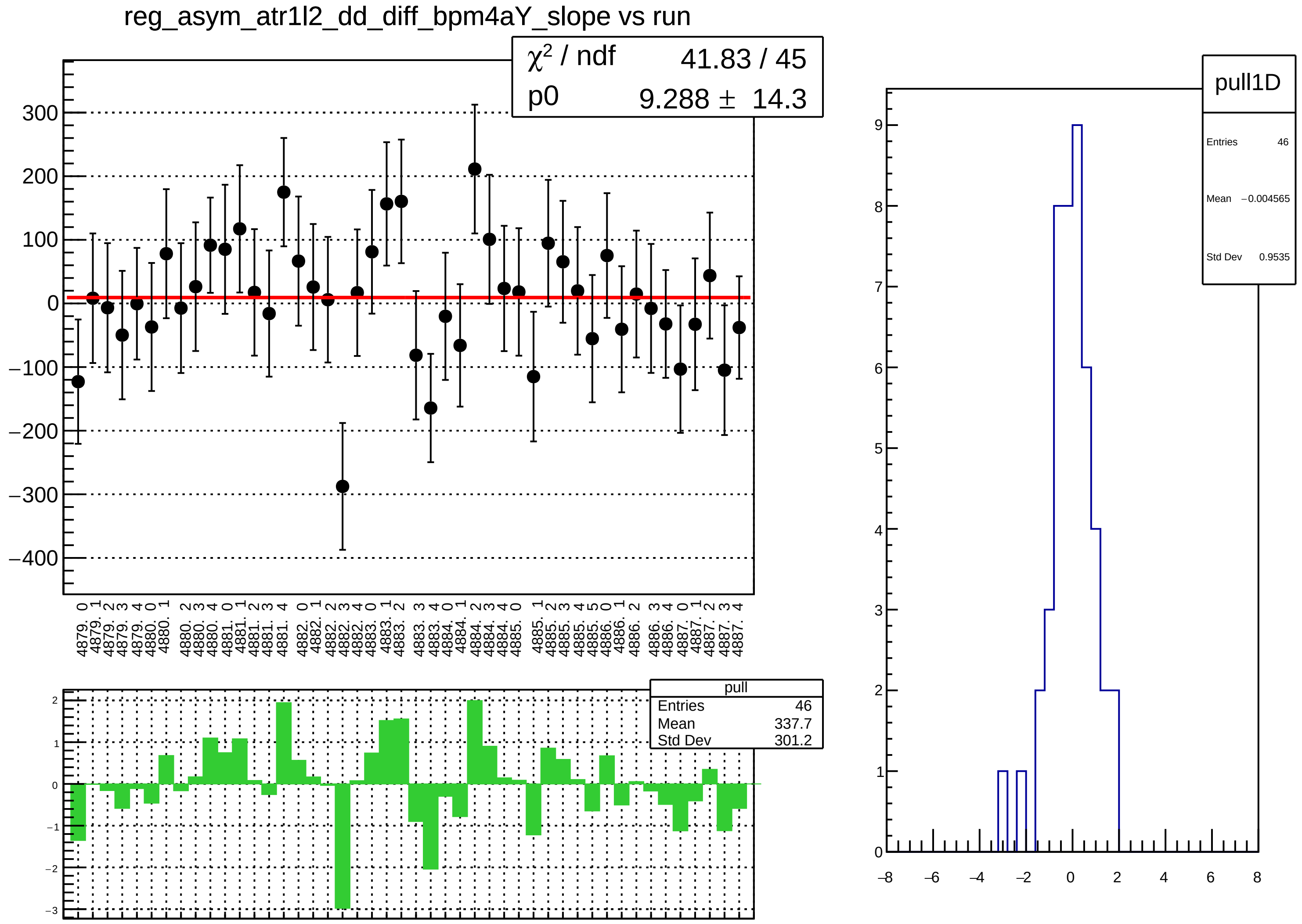
reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 52.62 / 45
p0 −25.52 ± 15.92
pull
Entries 46
Mean 58.87
Std Dev 44.7
pull1D
Entries 46
Mean −0.01471
Std Dev 1.069



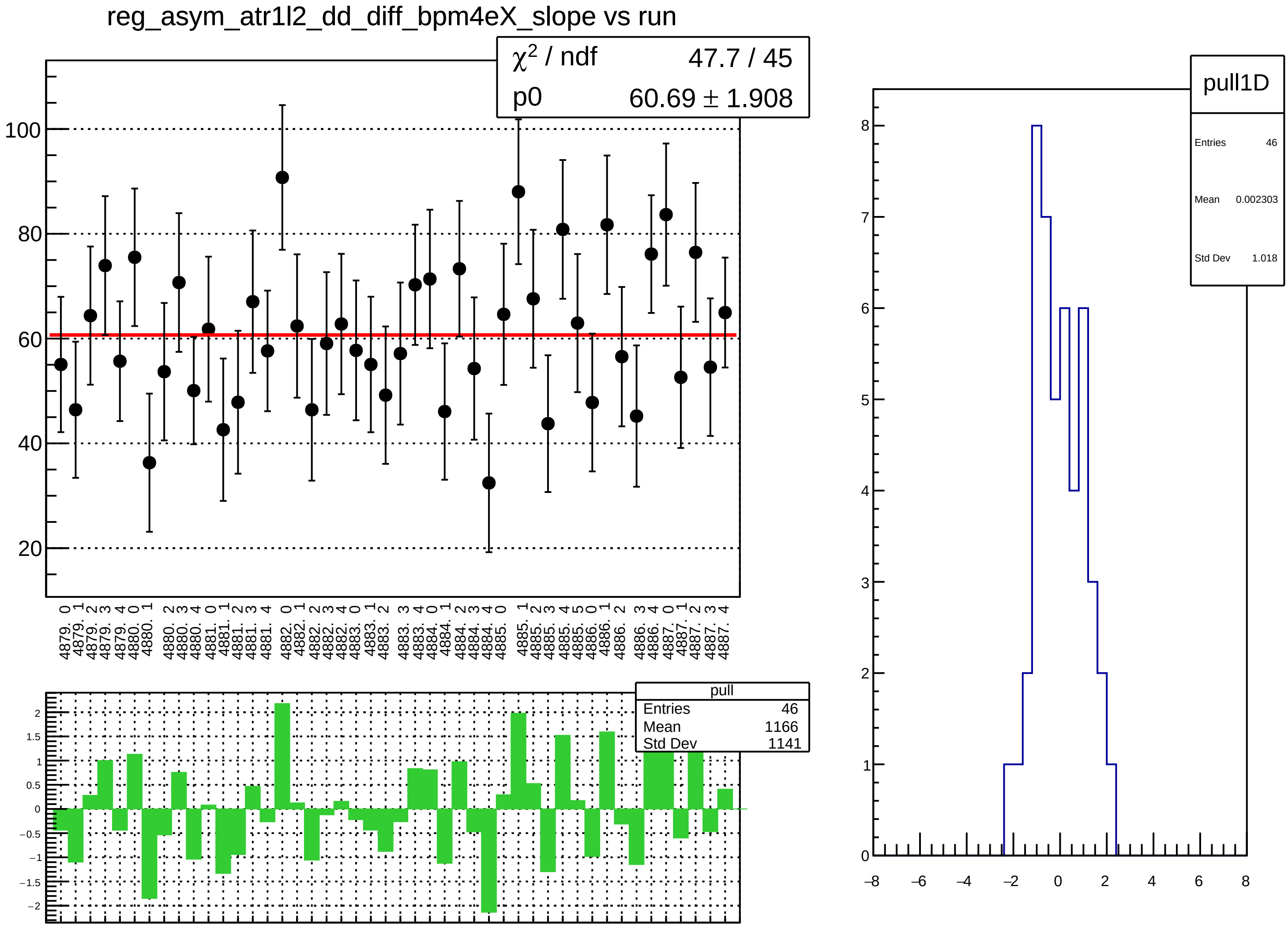
reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ^2 / ndf 49.13 / 45
p0 −12.44 ± 2.618
pull
Entries 46
Mean 252.9
Std Dev 244.6
pull1D
Entries 46
Mean 0.005343
Std Dev 1.033

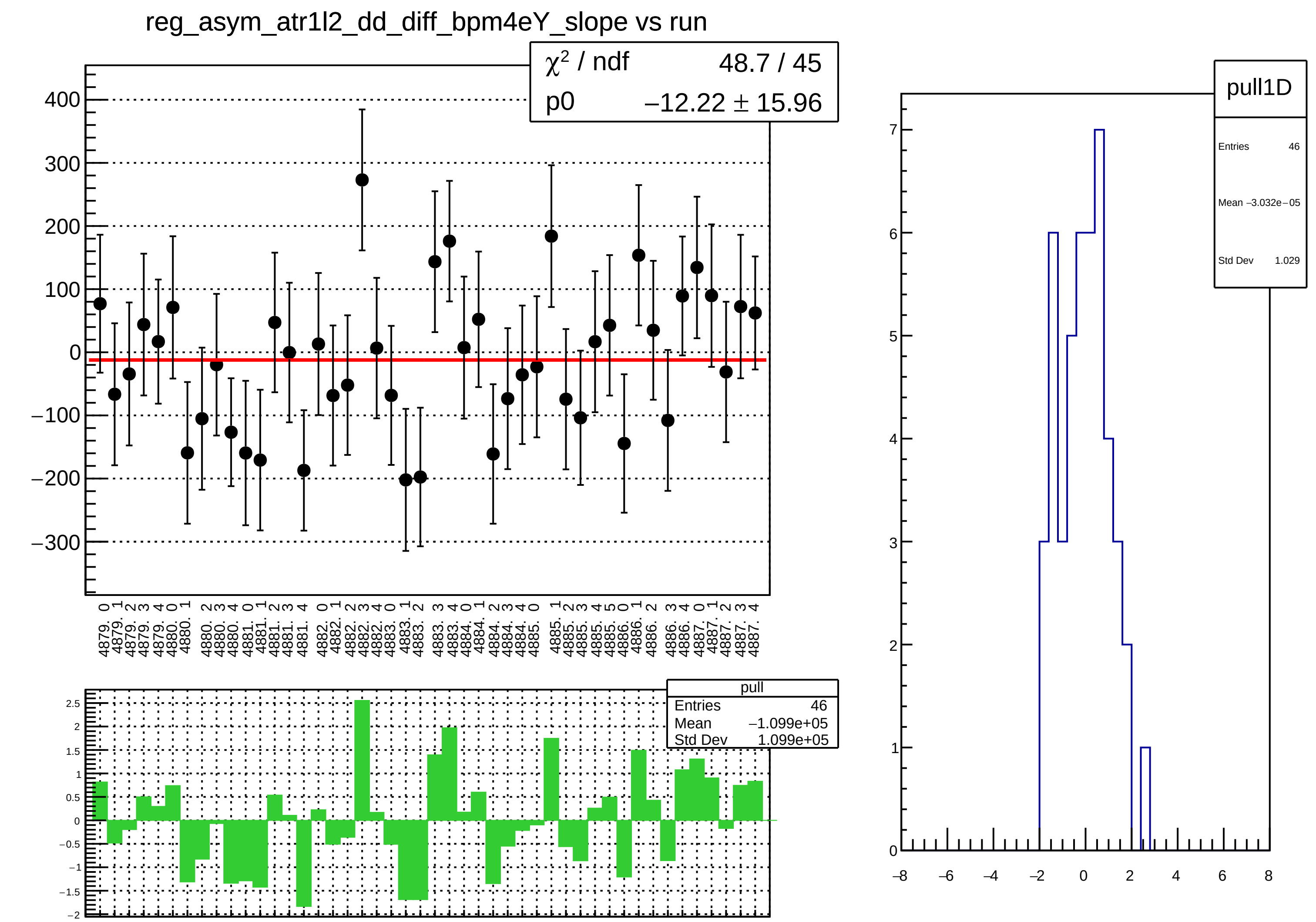


reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ2 / ndf 54.17 / 45
p0 −30.34 ± 10.05
pull
Entries 46
Mean 514.9
Std Dev 499
pull1D
Entries 46
Mean −0.005366
Std Dev 1.085

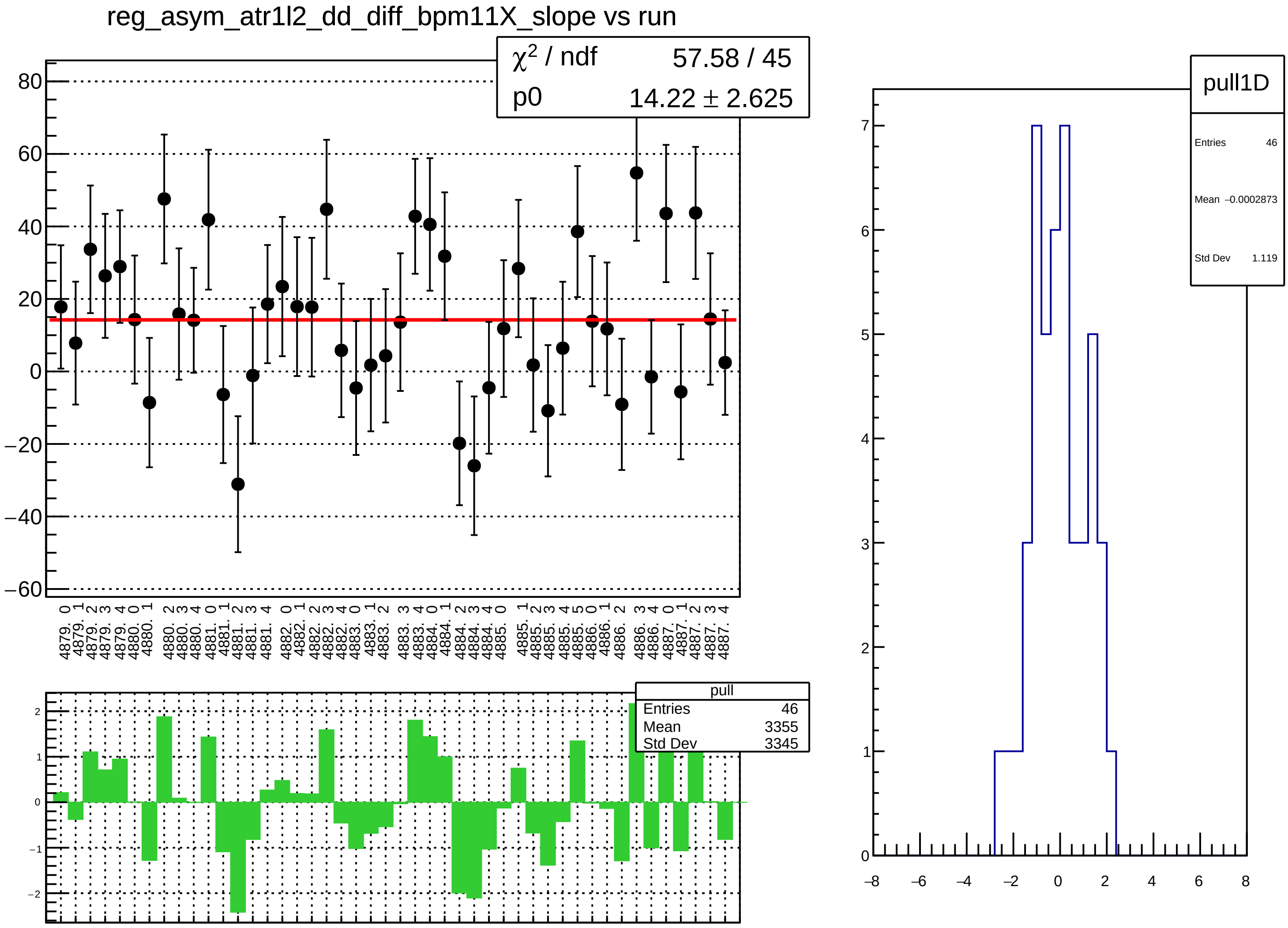


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 41.83 / 45
p0 9.288 ± 14.3
pull
Entries 46
Mean 337.7
Std Dev 301.2
pull1D
Entries 46
Mean −0.004565
Std Dev 0.9535

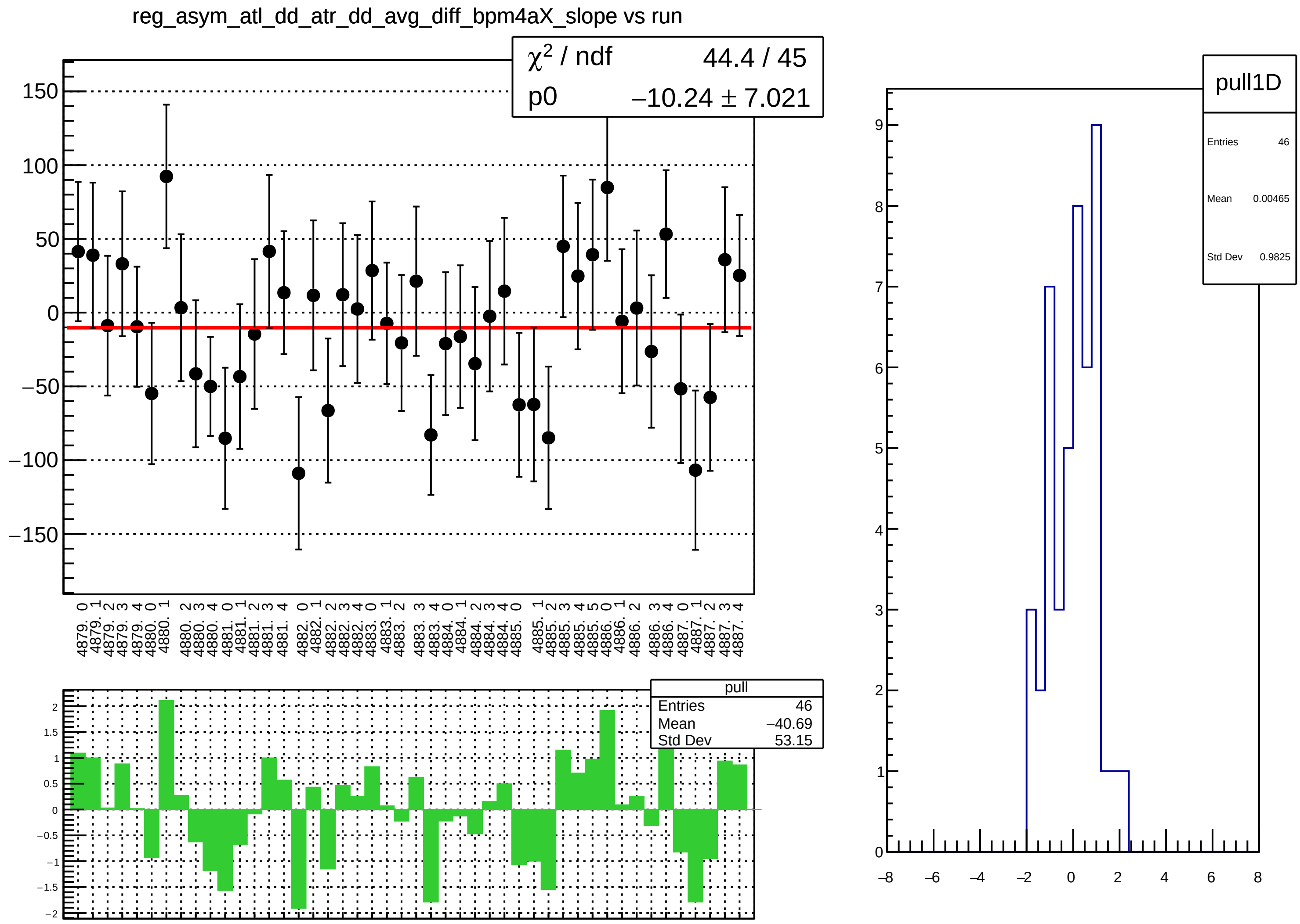

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ2 / ndf 47.7 / 45
p0 60.69 ± 1.908
pull
Entries 46
Mean 1166
Std Dev 1141
pull1D
Entries 46
Mean 0.002303
Std Dev 1.018

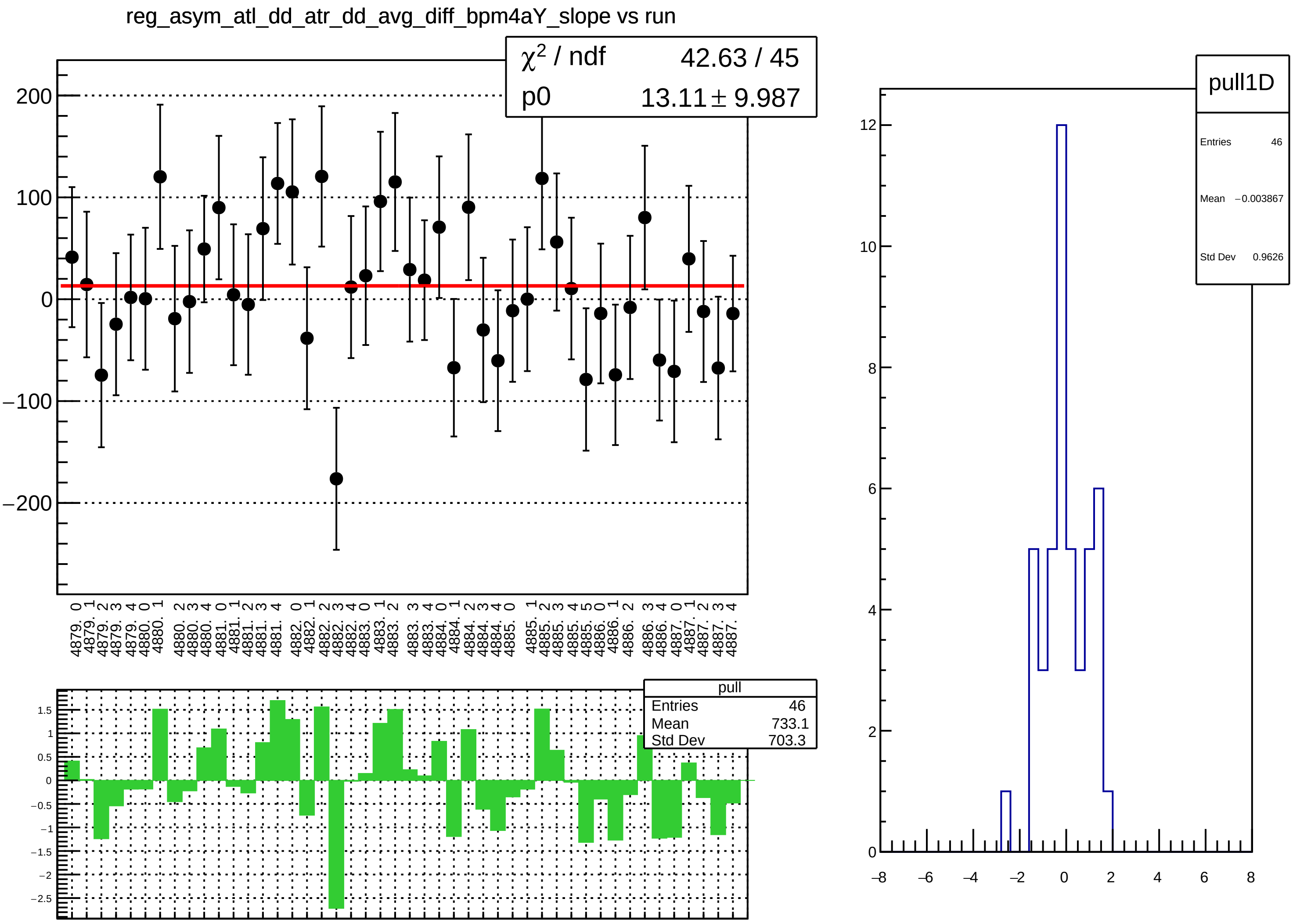


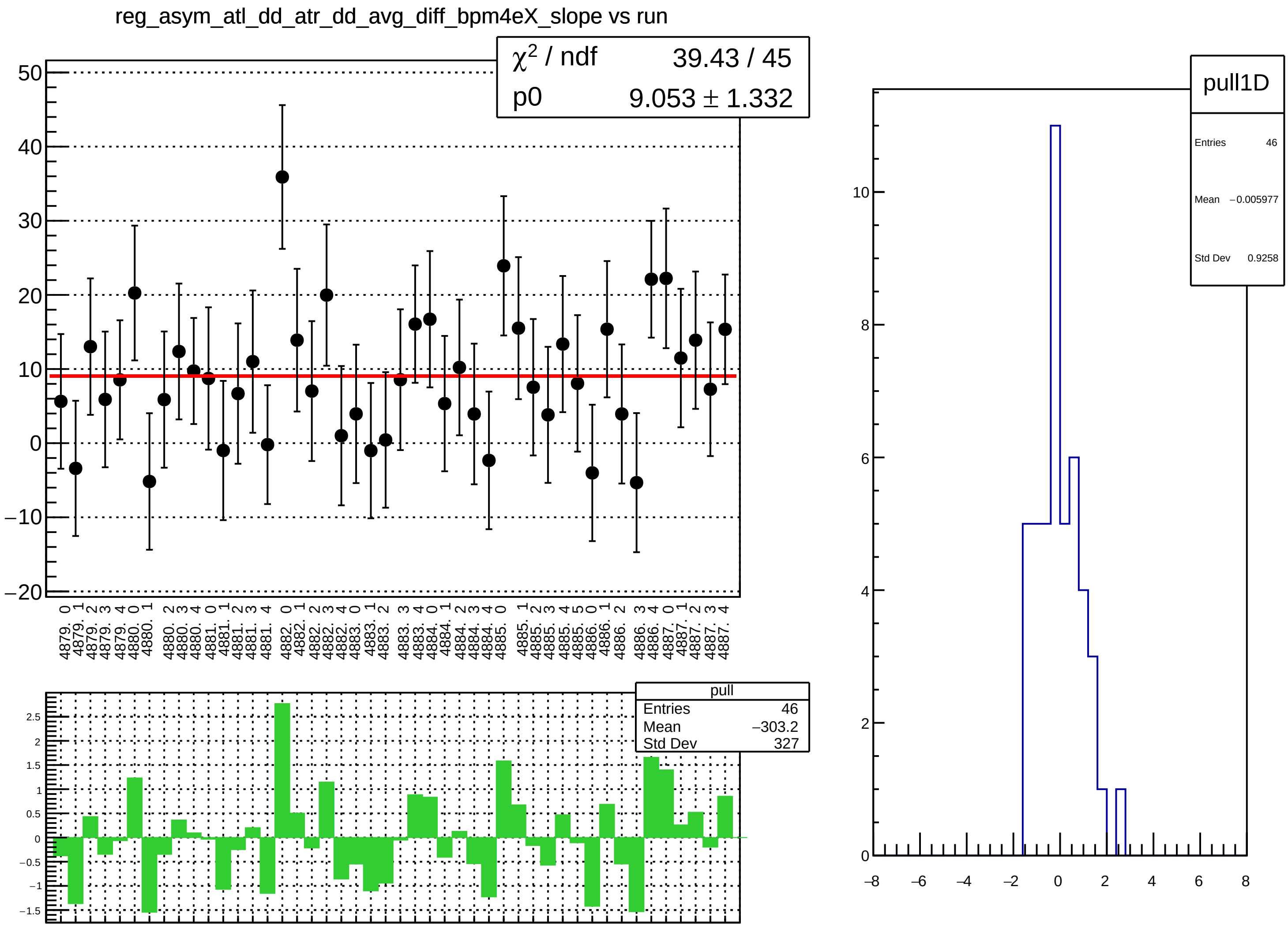
reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 48.7 / 45
p0 −12.22 ± 15.96
pull
Entries 46
Mean −1.099e+05
Std Dev 1.099e+05
pull1D
Entries 46
Mean −3.032e−05
Std Dev 1.029



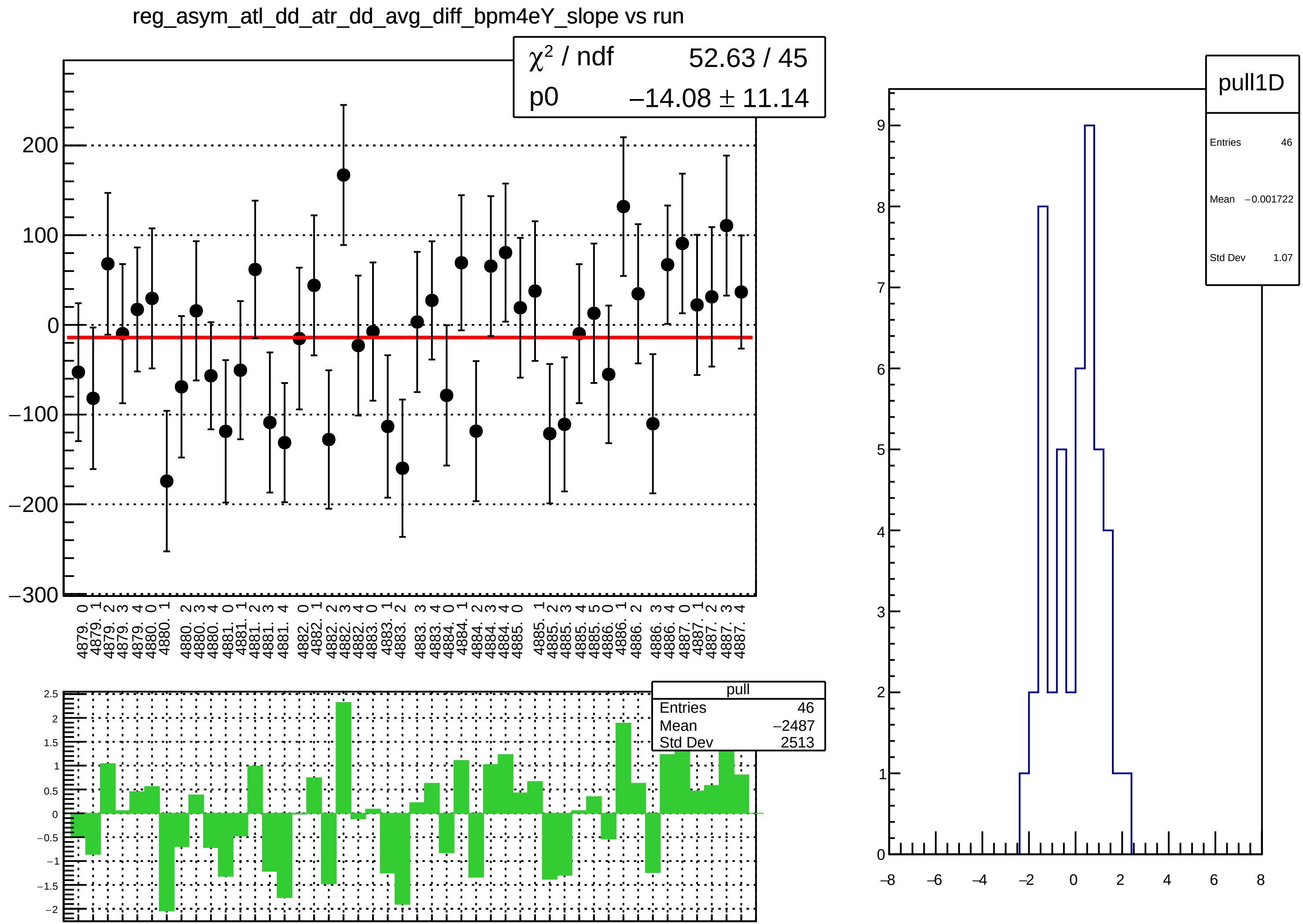
reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ^2 / ndf 57.58 / 45
p0 14.22 ± 2.625
pull
Entries 46
Mean 3355
Std Dev 3345
pull1D
Entries 46
Mean −0.0002873
Std Dev 1.119


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 44.4 / 45
p0 −10.24 ± 7.021
pull
Entries 46
Mean −40.69
Std Dev 53.15
pull1D
Entries 46
Mean 0.00465
Std Dev 0.9825

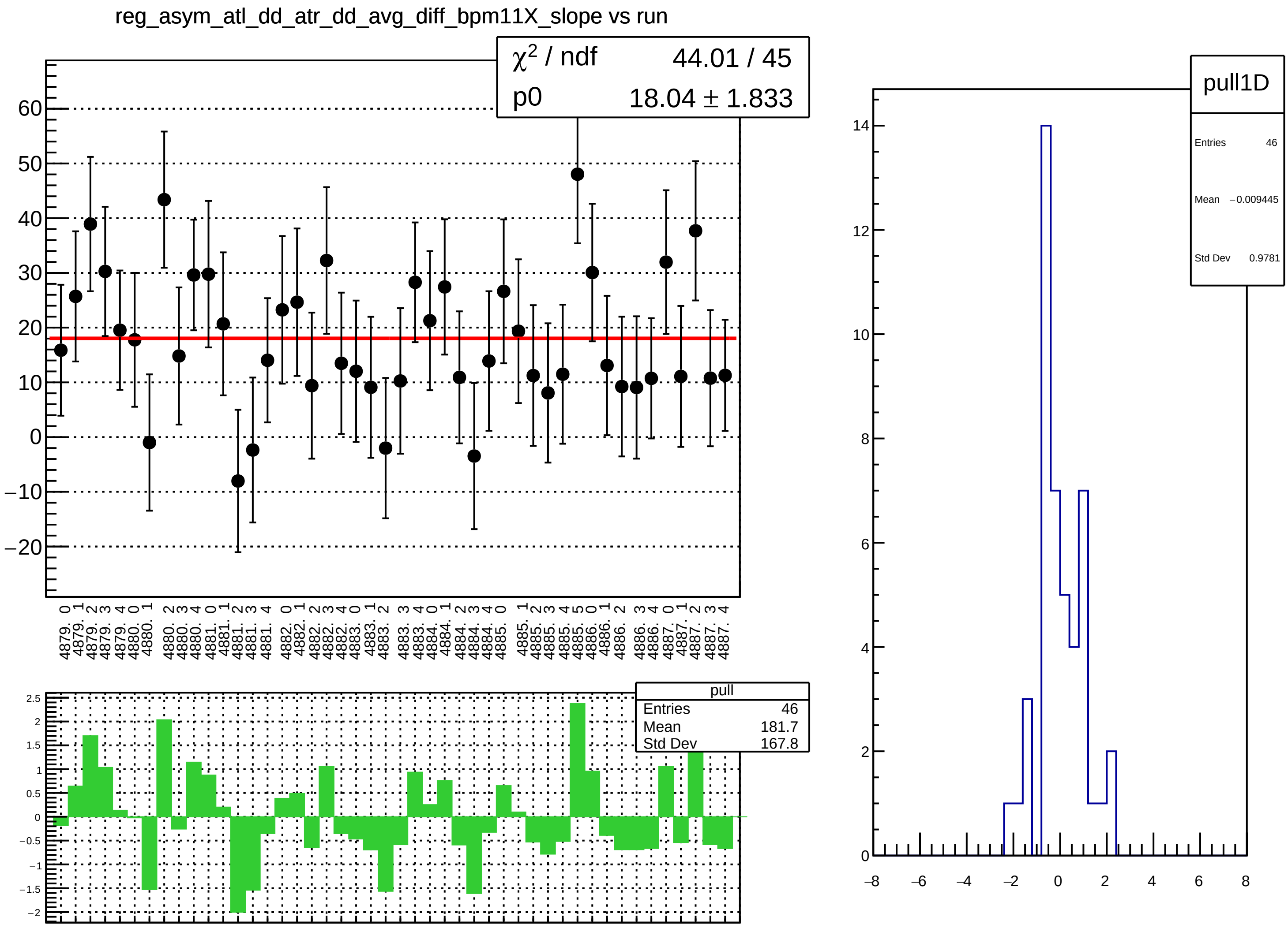

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 42.63 / 45
p0 13.11 ± 9.987
pull
Entries 46
Mean 733.1
Std Dev 703.3
pull1D
Entries 46
Mean −0.003867
Std Dev 0.9626



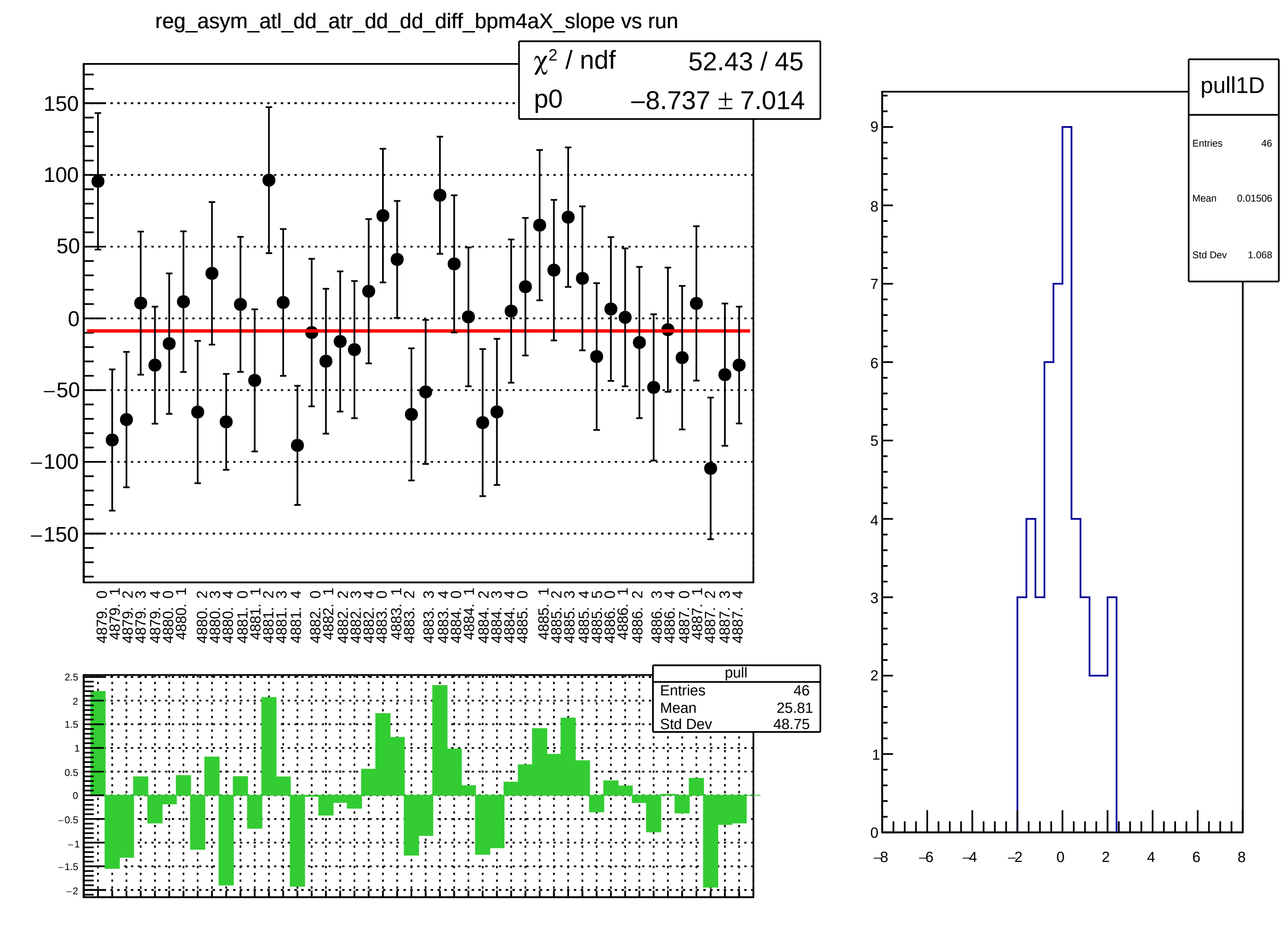
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 39.43 / 45
p0 9.053 ± 1.332
pull
Entries 46
Mean −303.2
Std Dev 327
pull1D
Entries 46
Mean −0.005977
Std Dev 0.9258



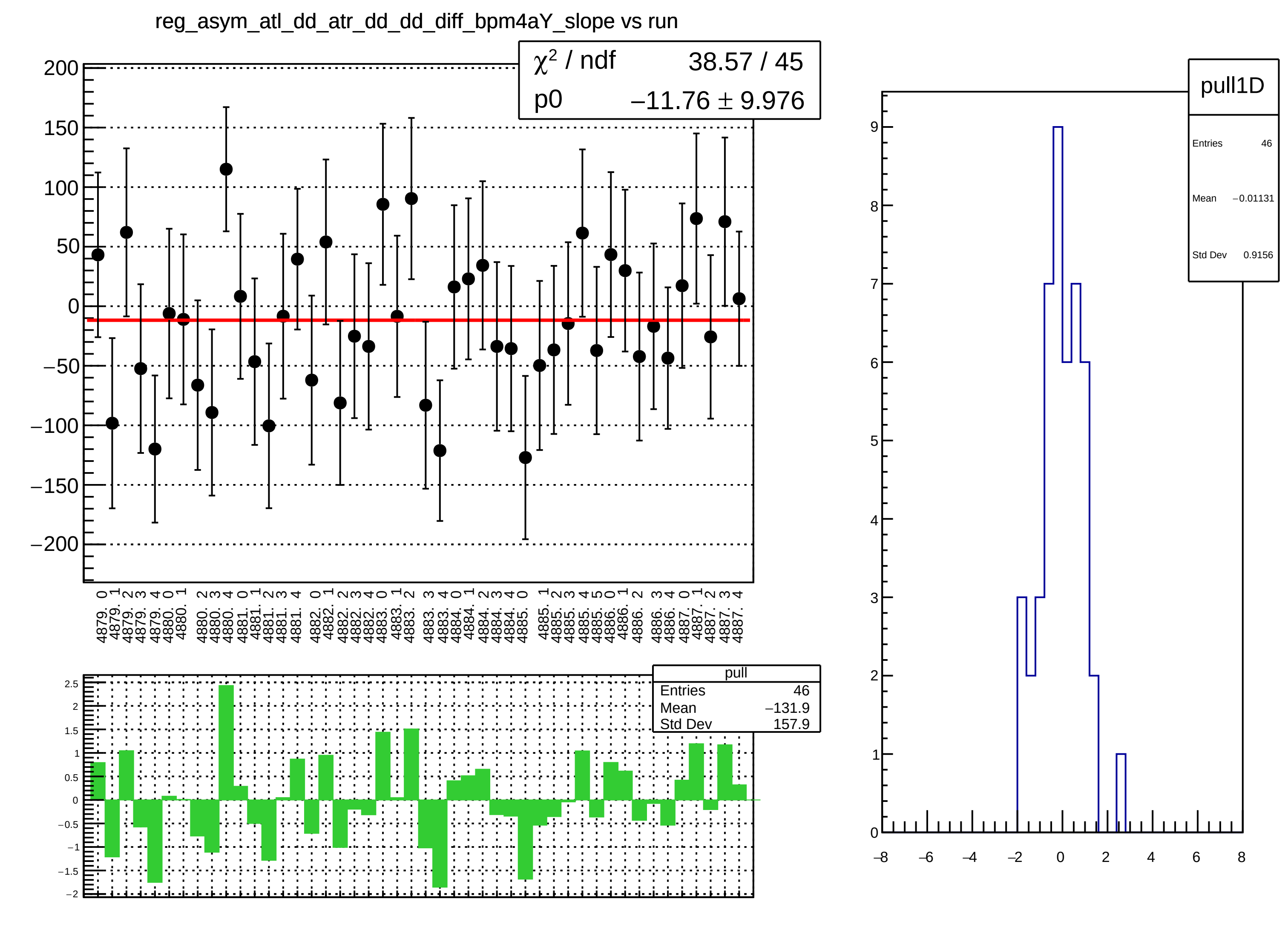
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 52.63 / 45
p0 −14.08 ± 11.14
pull
Entries 46
Mean −2487
Std Dev 2513
pull1D
Entries 46
Mean −0.001722
Std Dev 1.07



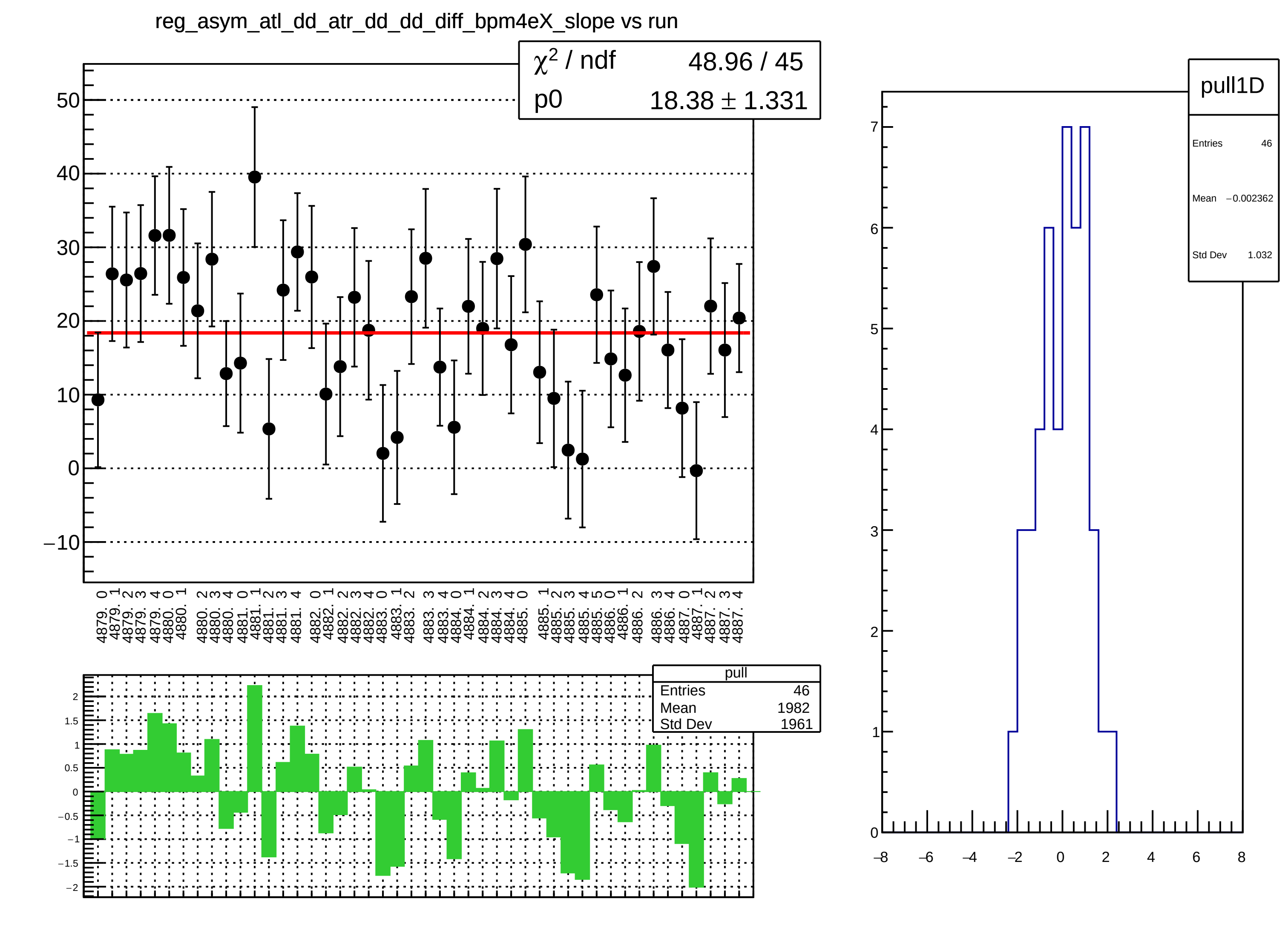
reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ2 / ndf 44.01 / 45
p0 18.04 ± 1.833
pull
Entries 46
Mean 181.7
Std Dev 167.8
pull1D
Entries 46
Mean −0.009445
Std Dev 0.9781



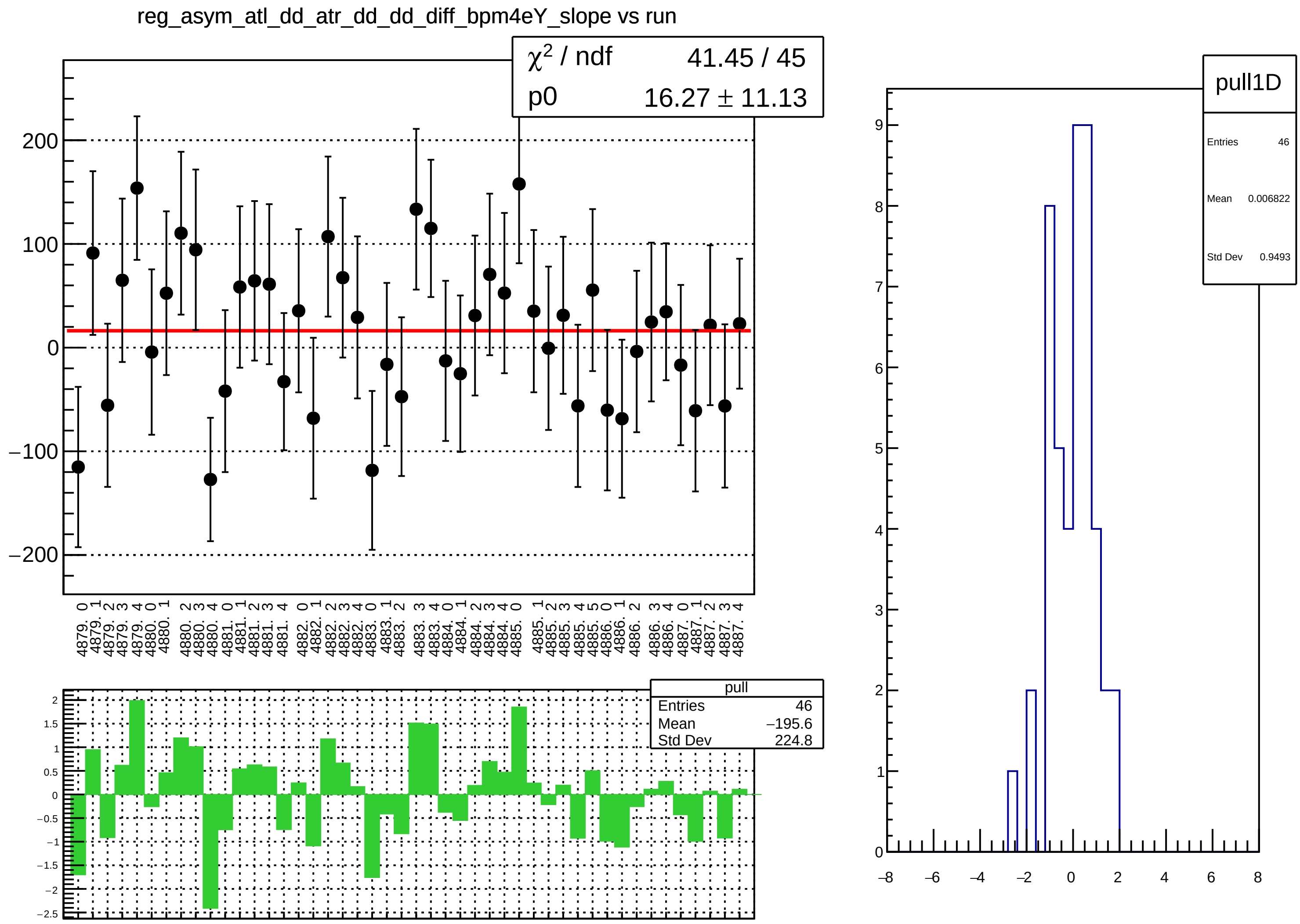
reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 52.43 / 45
p0 −8.737 ± 7.014
pull
Entries 46
Mean 25.81
Std Dev 48.75
pull1D
Entries 46
Mean 0.01506
Std Dev 1.068



reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 38.57 / 45
p0 −11.76 ± 9.976
pull
Entries 46
Mean −131.9
Std Dev 157.9
pull1D
Entries 46
Mean −0.01131
Std Dev 0.9156

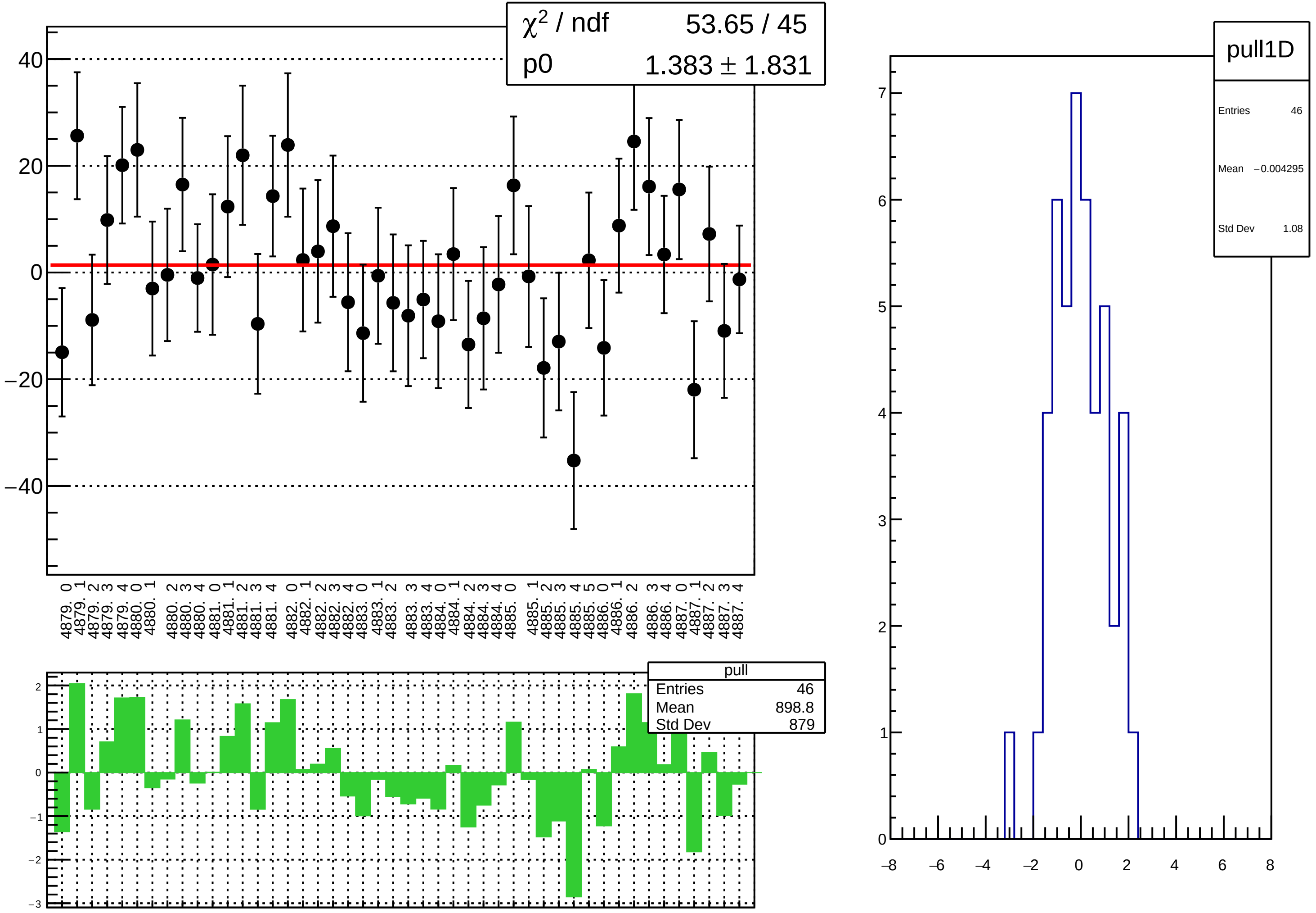


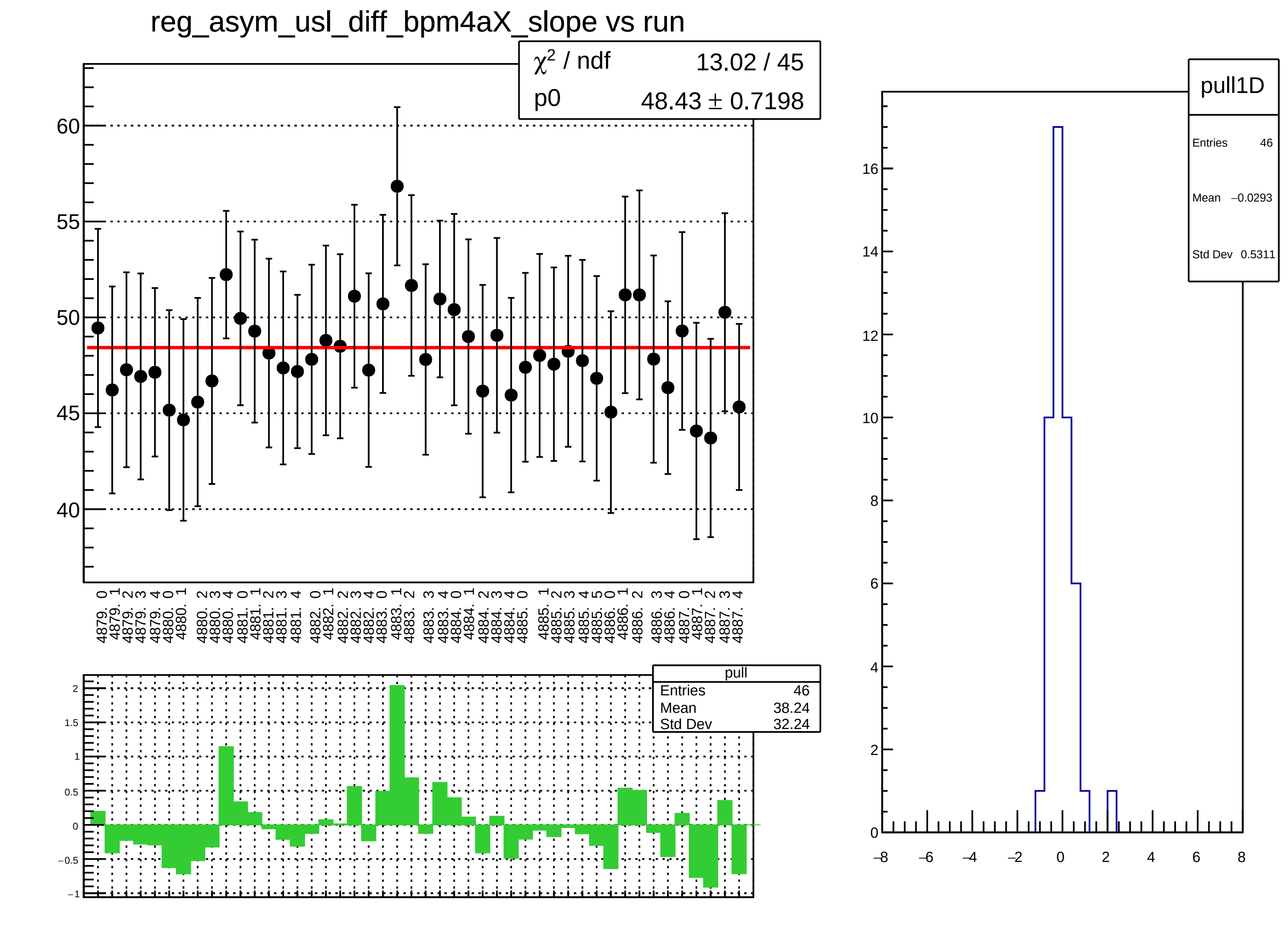
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 48.96 / 45
p0 18.38 ± 1.331
pull
Entries 46
Mean 1982
Std Dev 1961
pull1D
Entries 46
Mean −0.002362
Std Dev 1.032



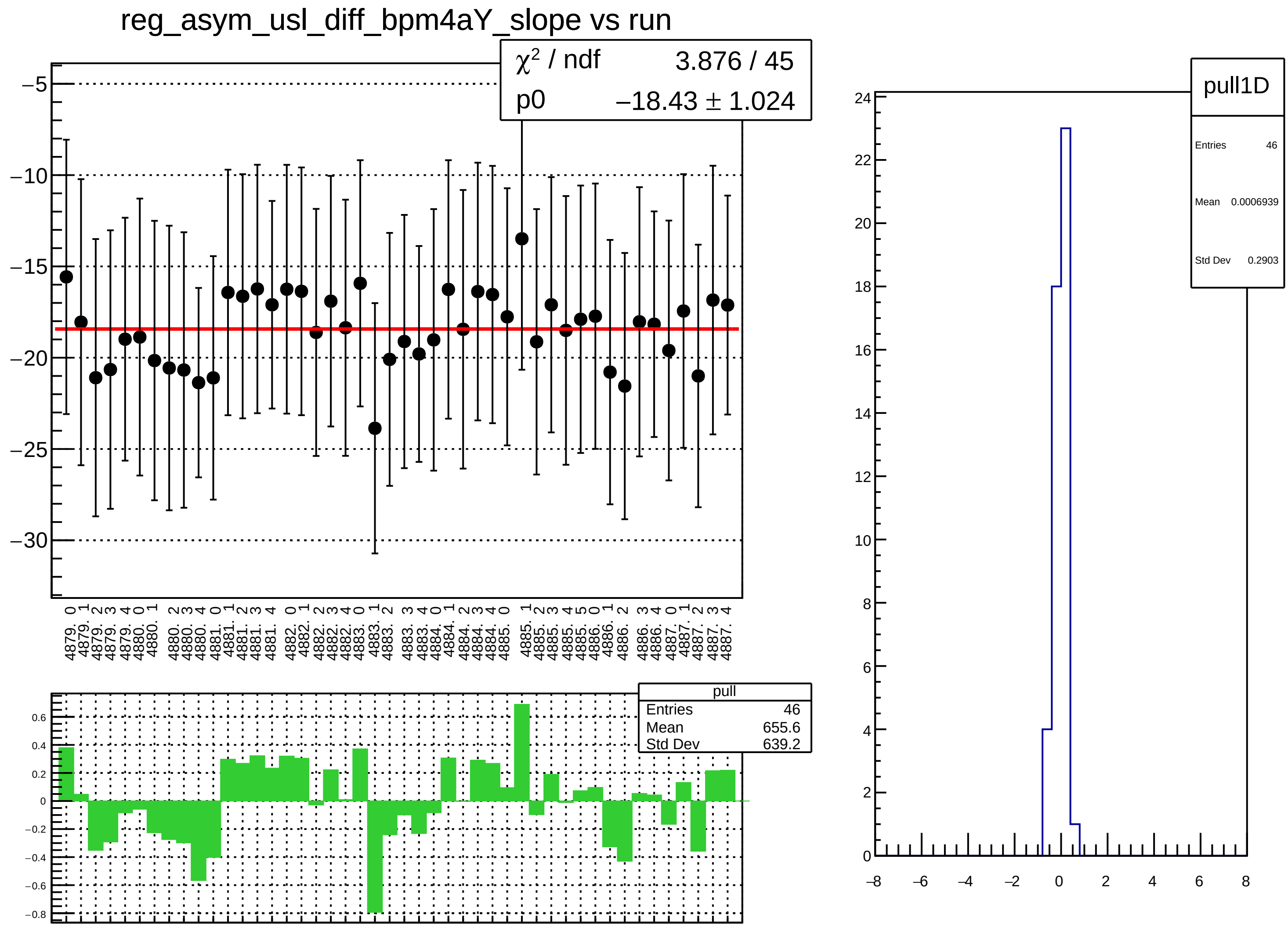
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.45 / 45
p0 16.27 ± 11.13
pull
Entries 46
Mean −195.6
Std Dev 224.8
pull1D
Entries 46
Mean 0.006822
Std Dev 0.9493

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run

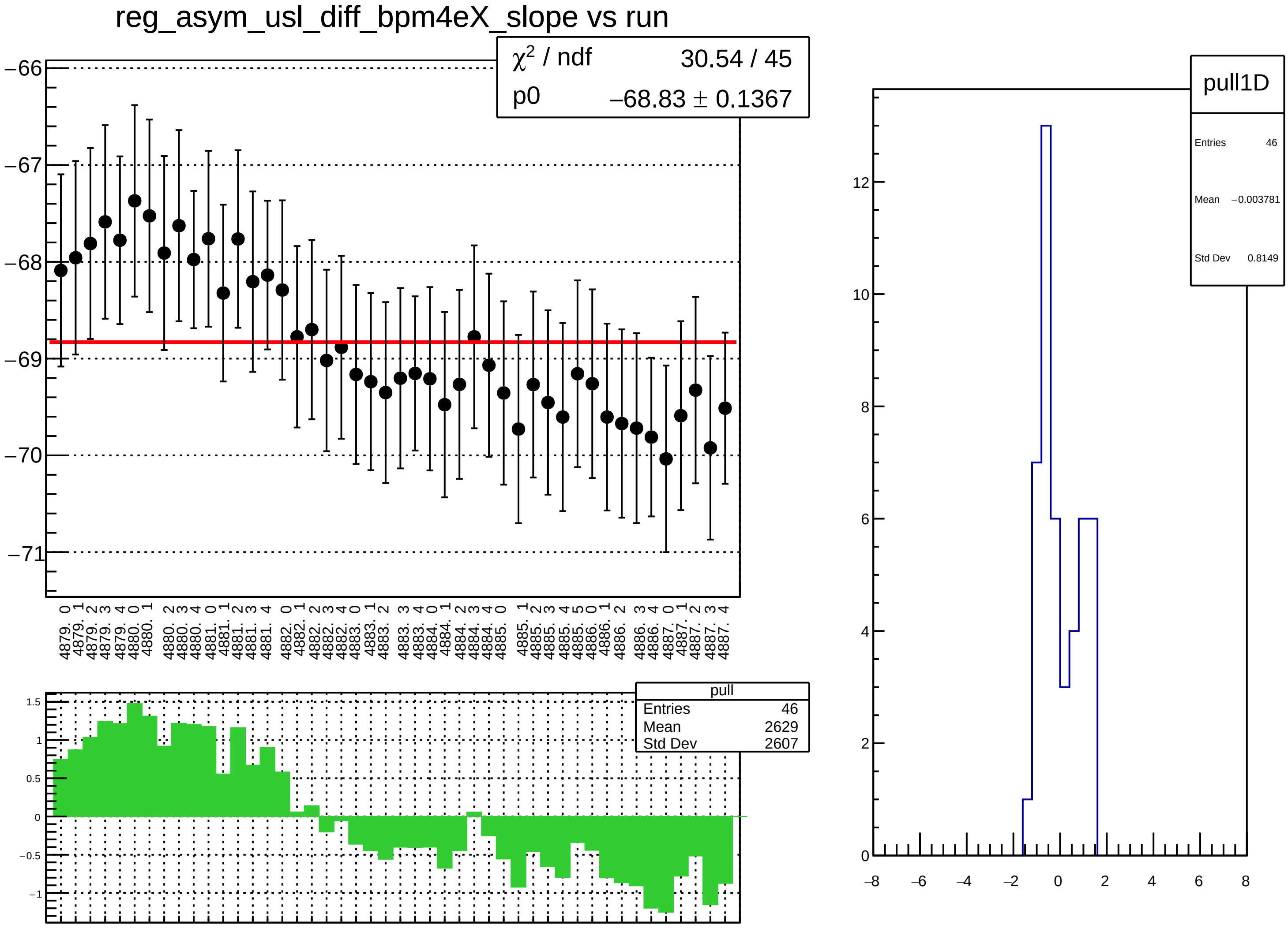




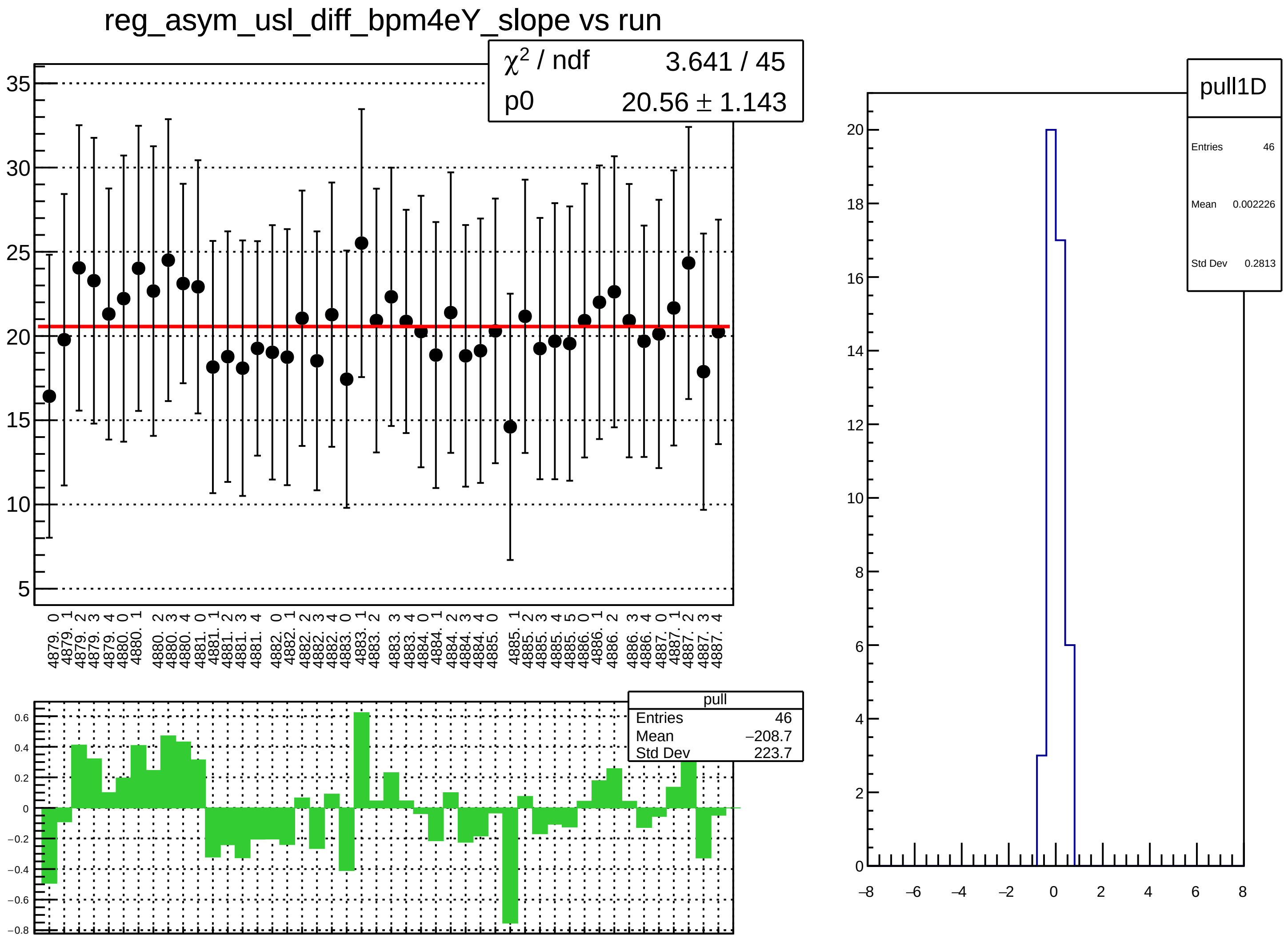
reg_asym_usl_diff_bpm4aX_slope vs run
χ^2 / ndf 13.02 / 45
p0 48.43 ± 0.7198
pull
Entries 46
Mean 38.24
Std Dev 32.24
pull1D
Entries 46
Mean −0.0293
Std Dev 0.5311



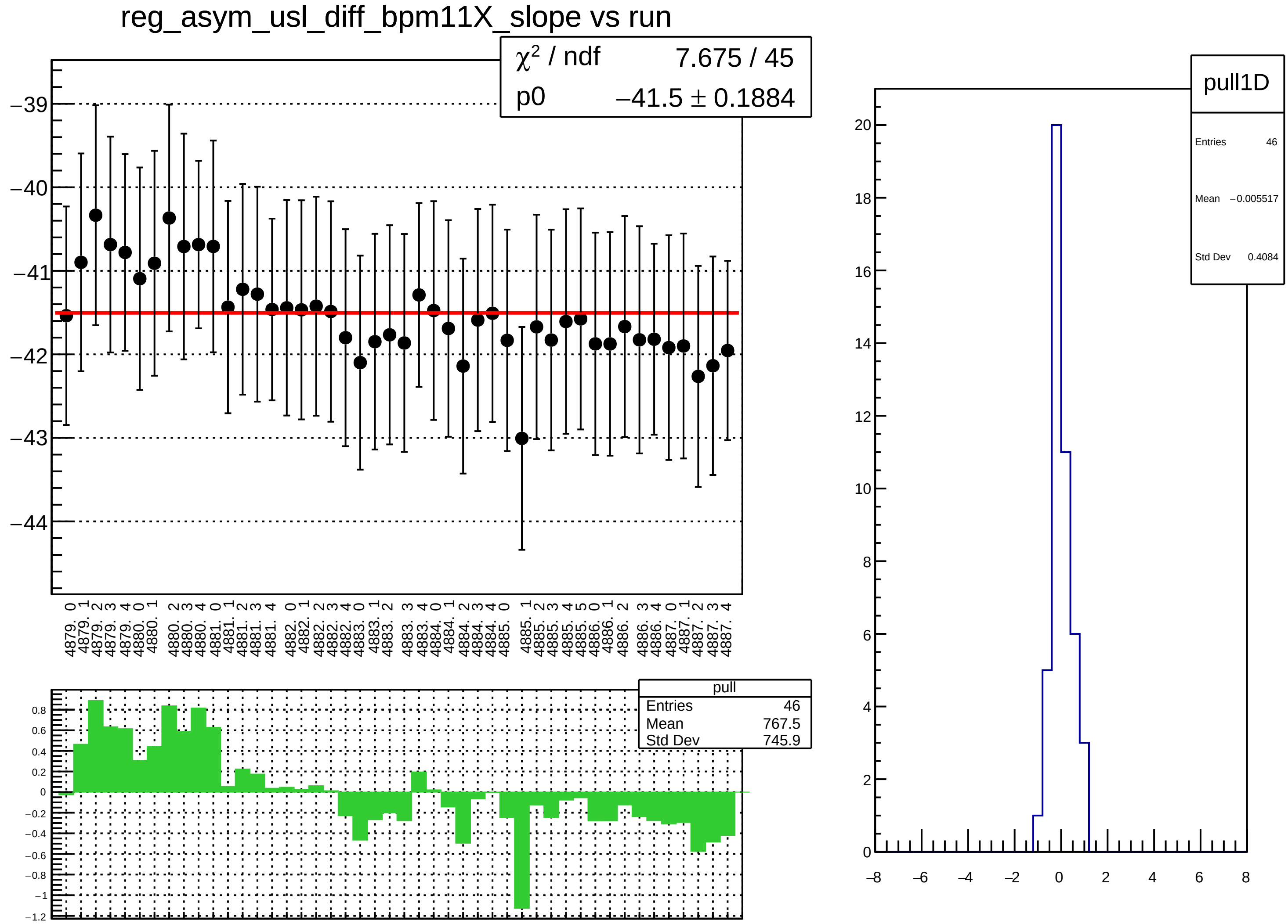
reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 3.876 / 45
p0 −18.43 ± 1.024
pull
Entries 46
Mean 655.6
Std Dev 639.2
pull1D
Entries 46
Mean 0.0006939
Std Dev 0.2903

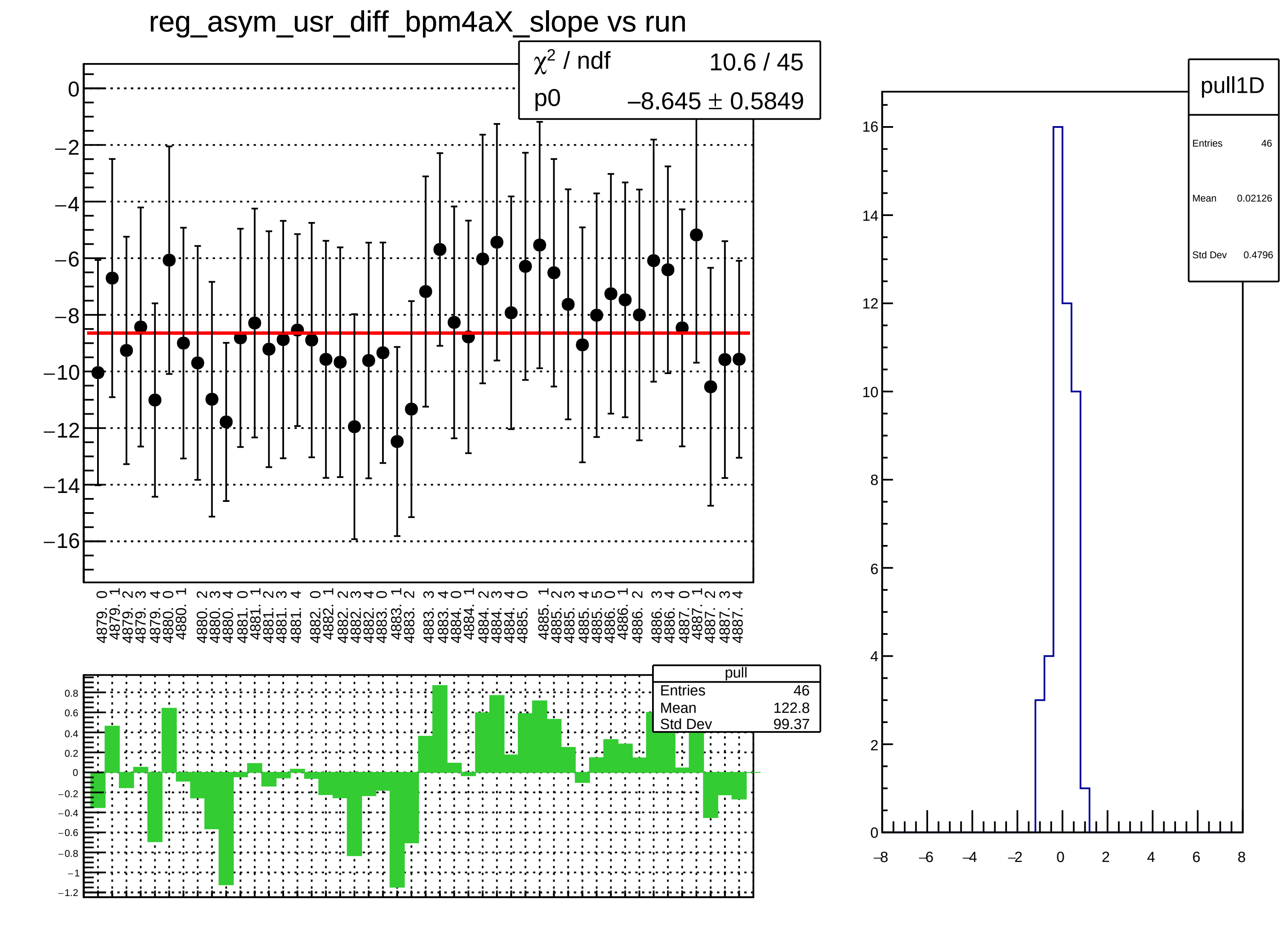


reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 30.54 / 45
p0 −68.83 ± 0.1367
pull
Entries 46
Mean 2629
Std Dev 2607
pull1D
Entries 46
Mean −0.003781
Std Dev 0.8149

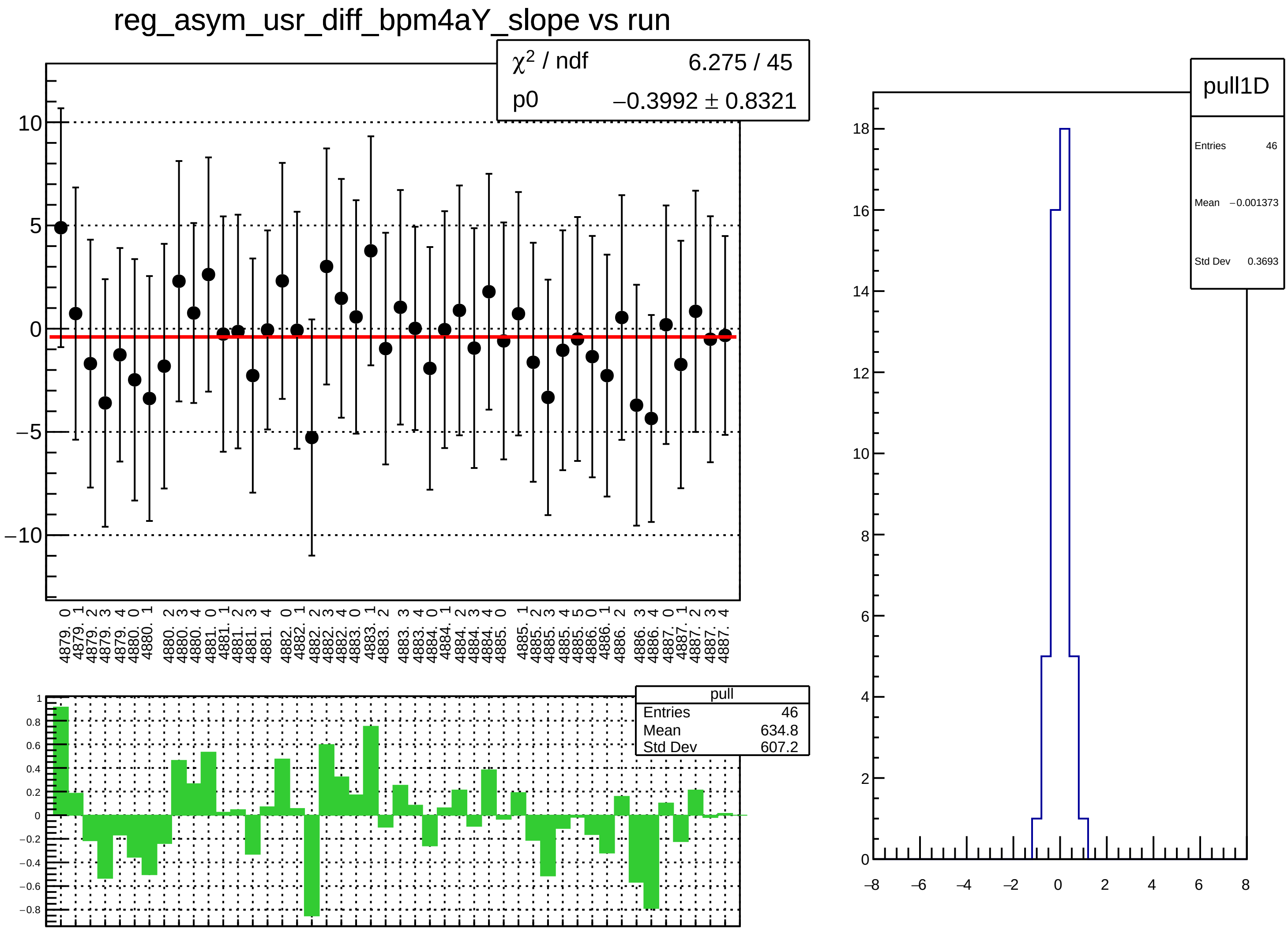


reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 3.641 / 45
p0 20.56 ± 1.143
pull
Entries 46
Mean −208.7
Std Dev 223.7
pull1D
Entries 46
Mean 0.002226
Std Dev 0.2813

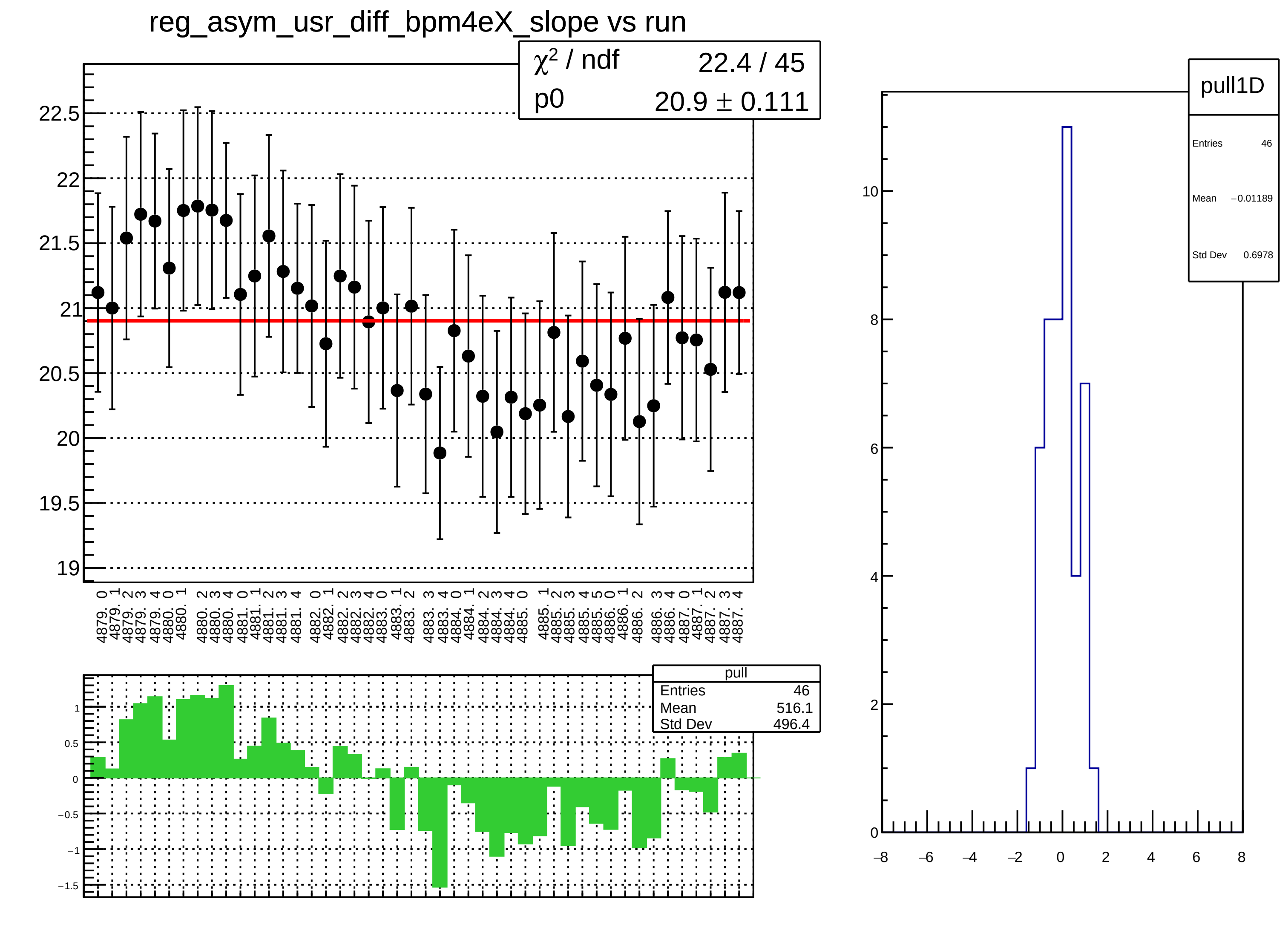

reg_asym_usl_diff_bpm11X_slope vs run
χ2 / ndf 7.675 / 45
p0 −41.5 ± 0.1884
pull
Entries 46
Mean 767.5
Std Dev 745.9
pull1D
Entries 46
Mean −0.005517
Std Dev 0.4084



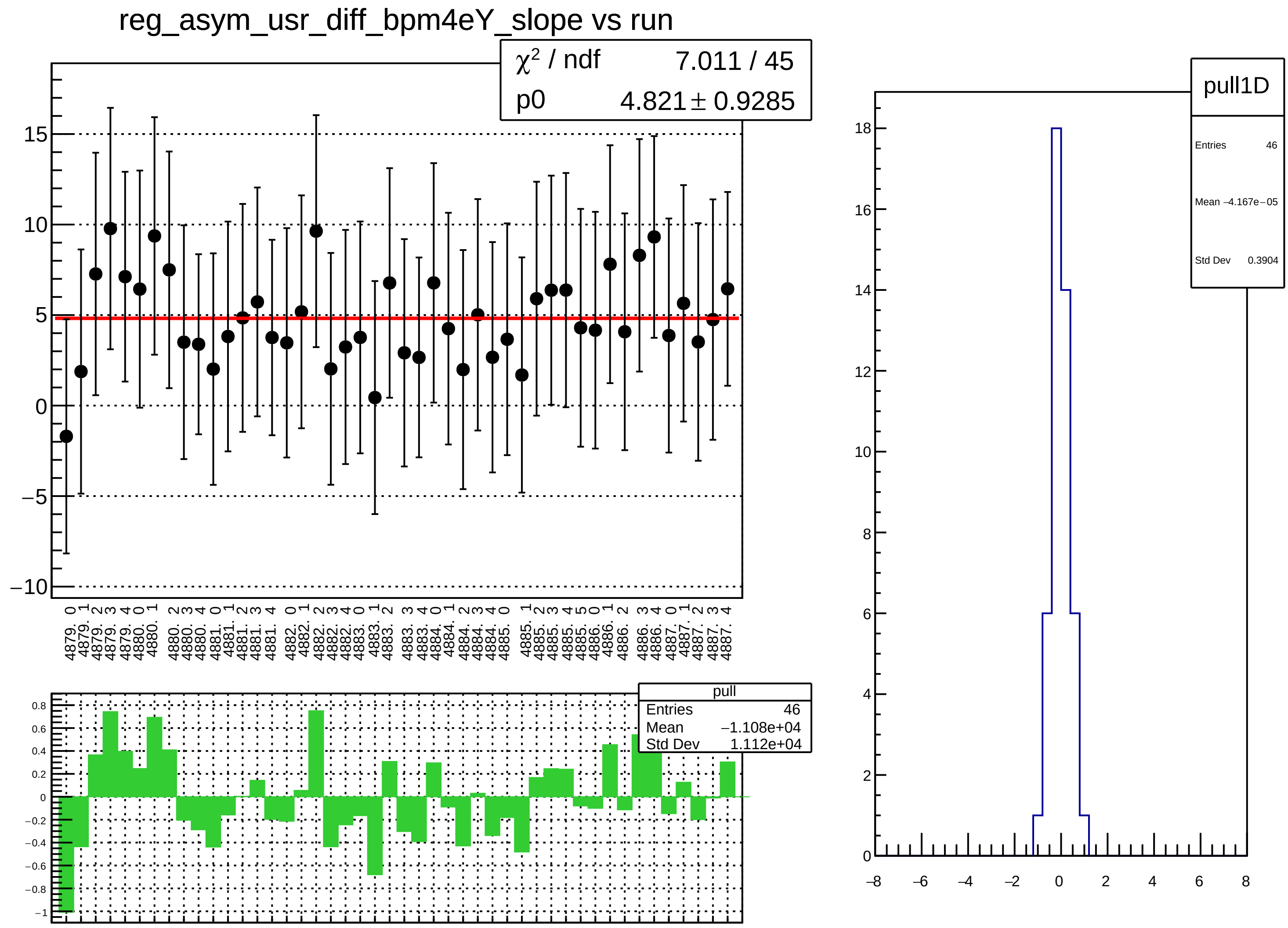
reg_asym_usr_diff_bpm4aX_slope vs run
χ^2 / ndf 10.6 / 45
p0 −8.645 ± 0.5849
pull
Entries 46
Mean 122.8
Std Dev 99.37
pull1D
Entries 46
Mean 0.02126
Std Dev 0.4796



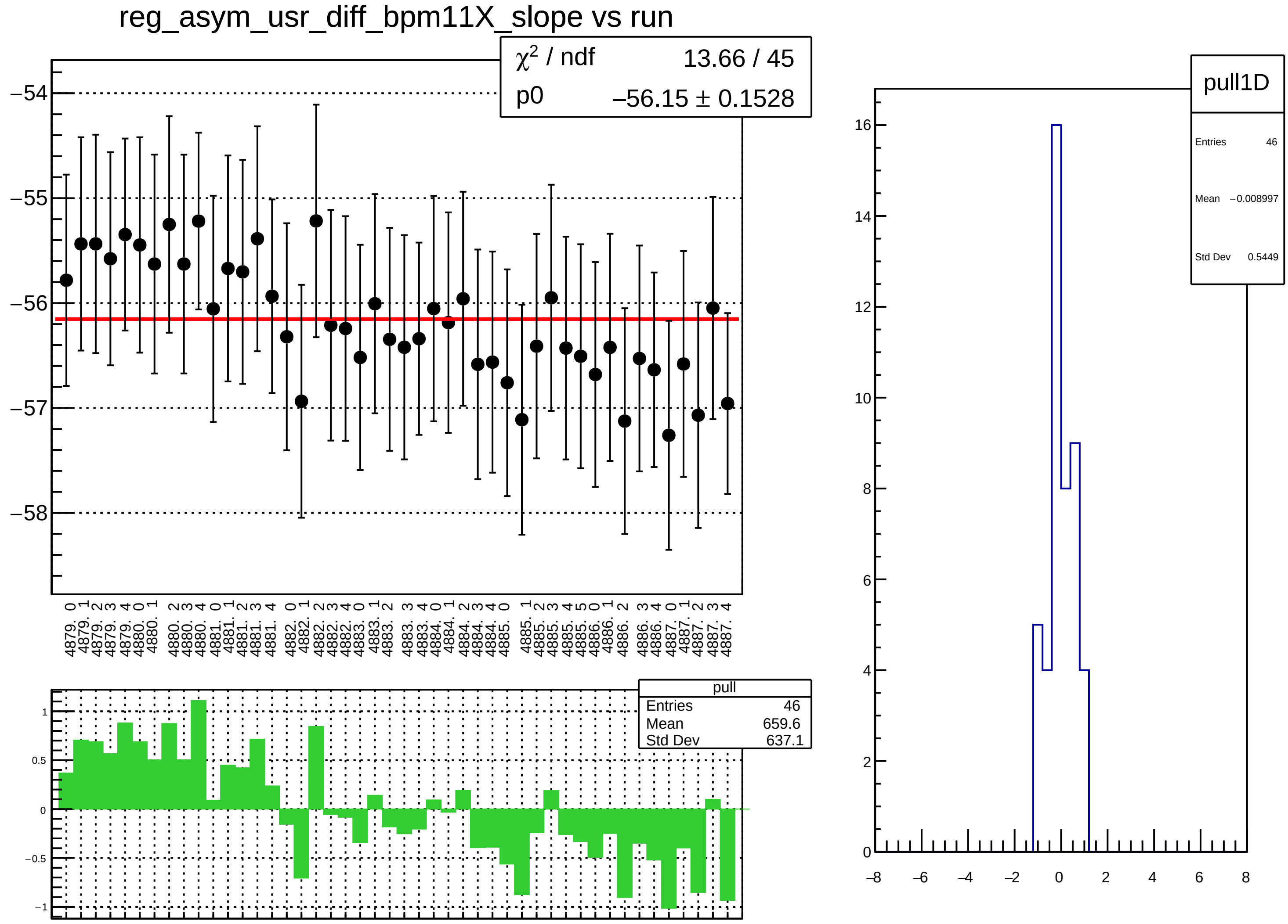
reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 6.275 / 45
p0 −0.3992 ± 0.8321
pull
Entries 46
Mean 634.8
Std Dev 607.2
pull1D
Entries 46
Mean −0.001373
Std Dev 0.3693



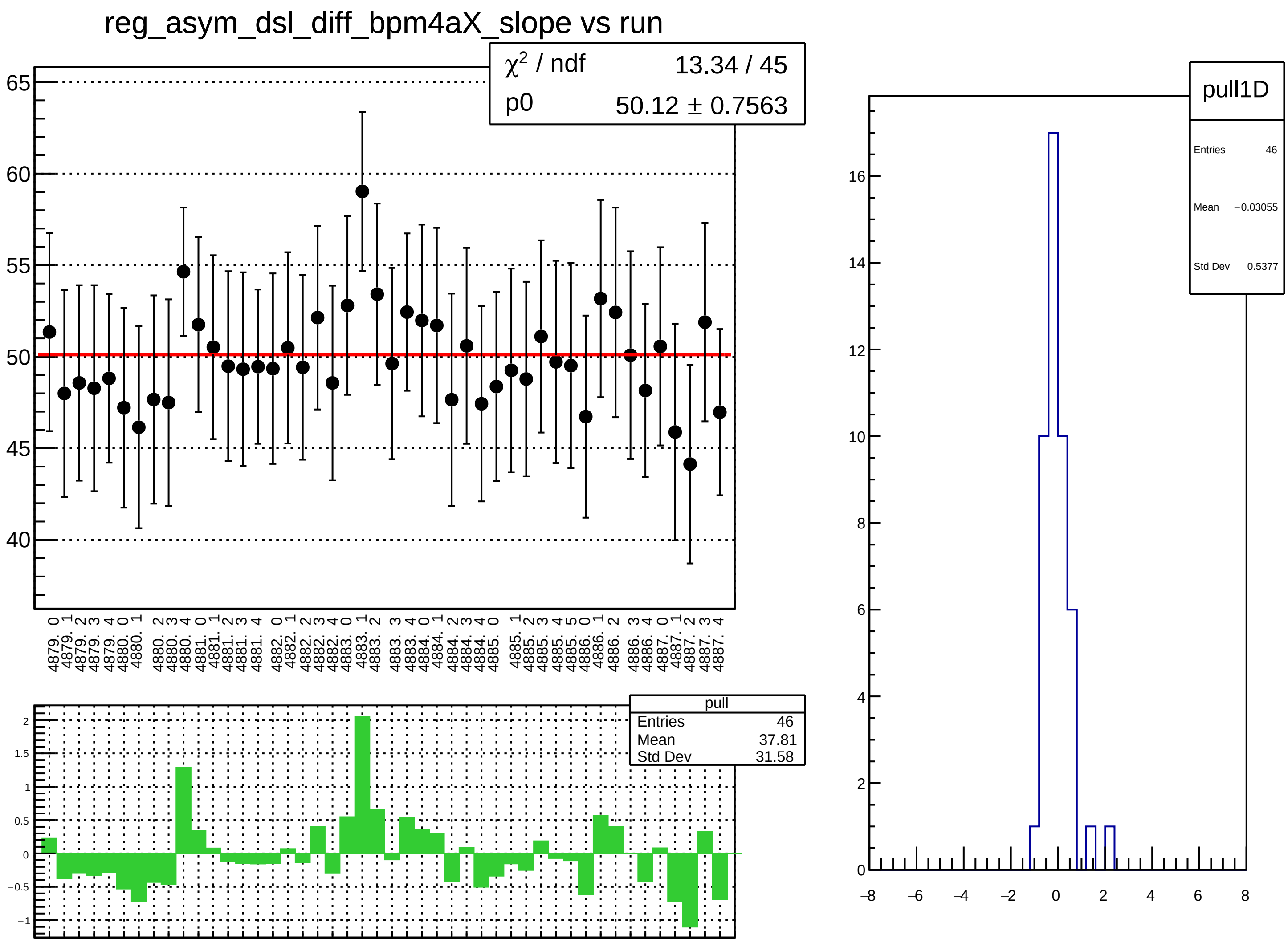
reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 22.4 / 45
p0 20.9 ± 0.111
pull
Entries 46
Mean 516.1
Std Dev 496.4
pull1D
Entries 46
Mean −0.01189
Std Dev 0.6978



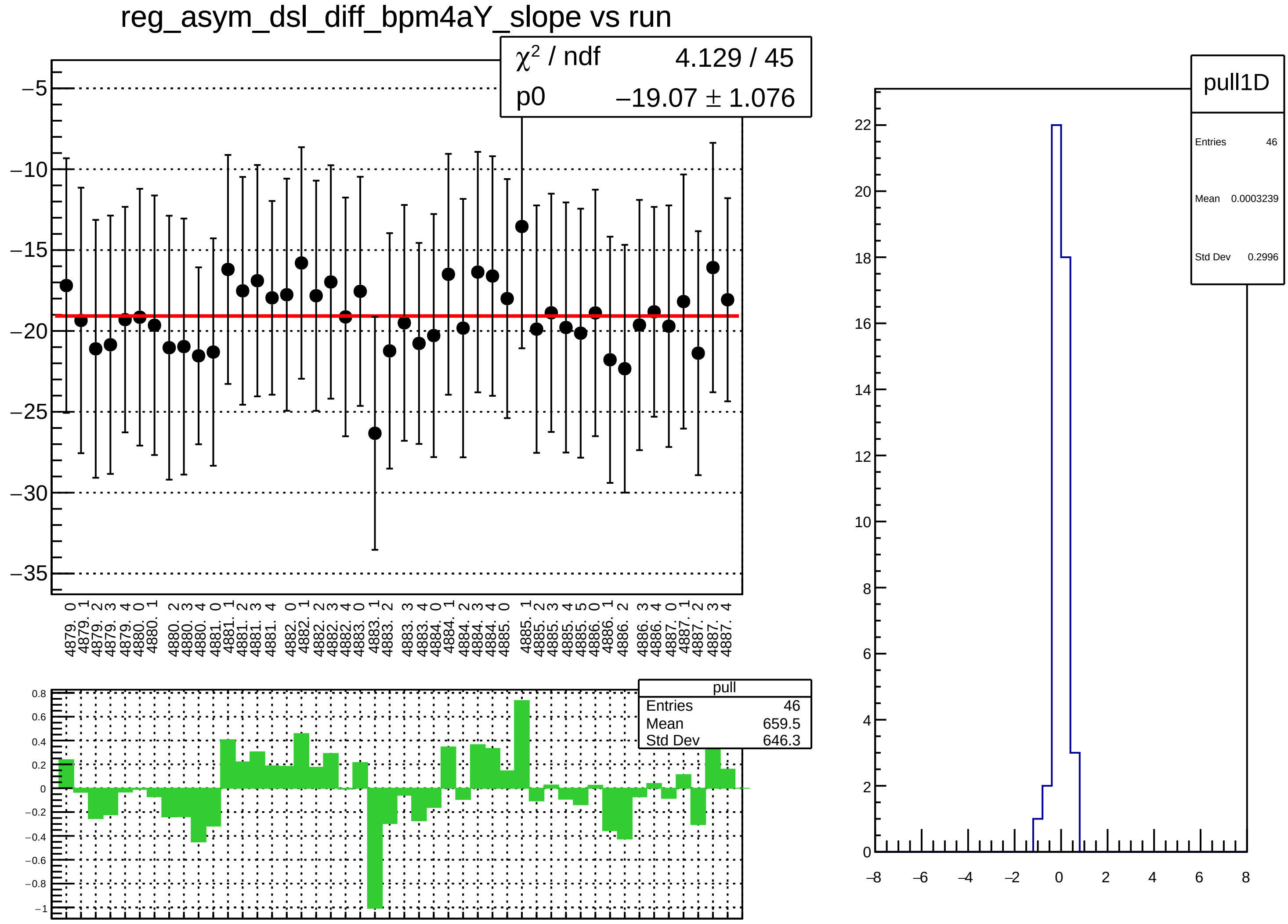
reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 7.011 / 45
p0 4.821 ± 0.9285
pull
Entries 46
Mean −1.108e+04
Std Dev 1.112e+04
pull1D
Entries 46
Mean −4.167e−05
Std Dev 0.3904



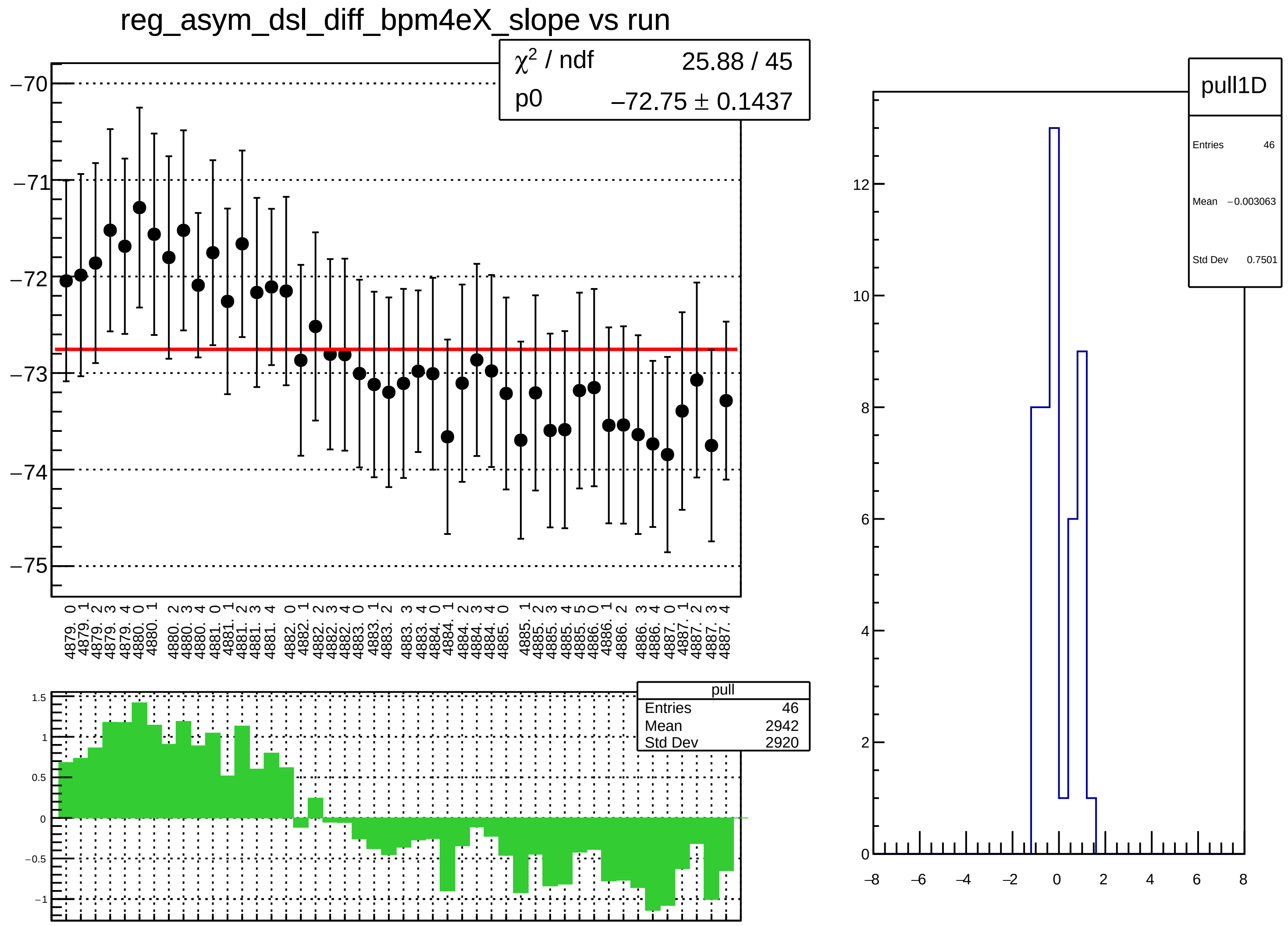
reg_asym_usr_diff_bpm11X_slope vs run
χ^2 / ndf 13.66 / 45
p0 −56.15 ± 0.1528
pull
Entries 46
Mean 659.6
Std Dev 637.1
pull1D
Entries 46
Mean −0.008997
Std Dev 0.5449



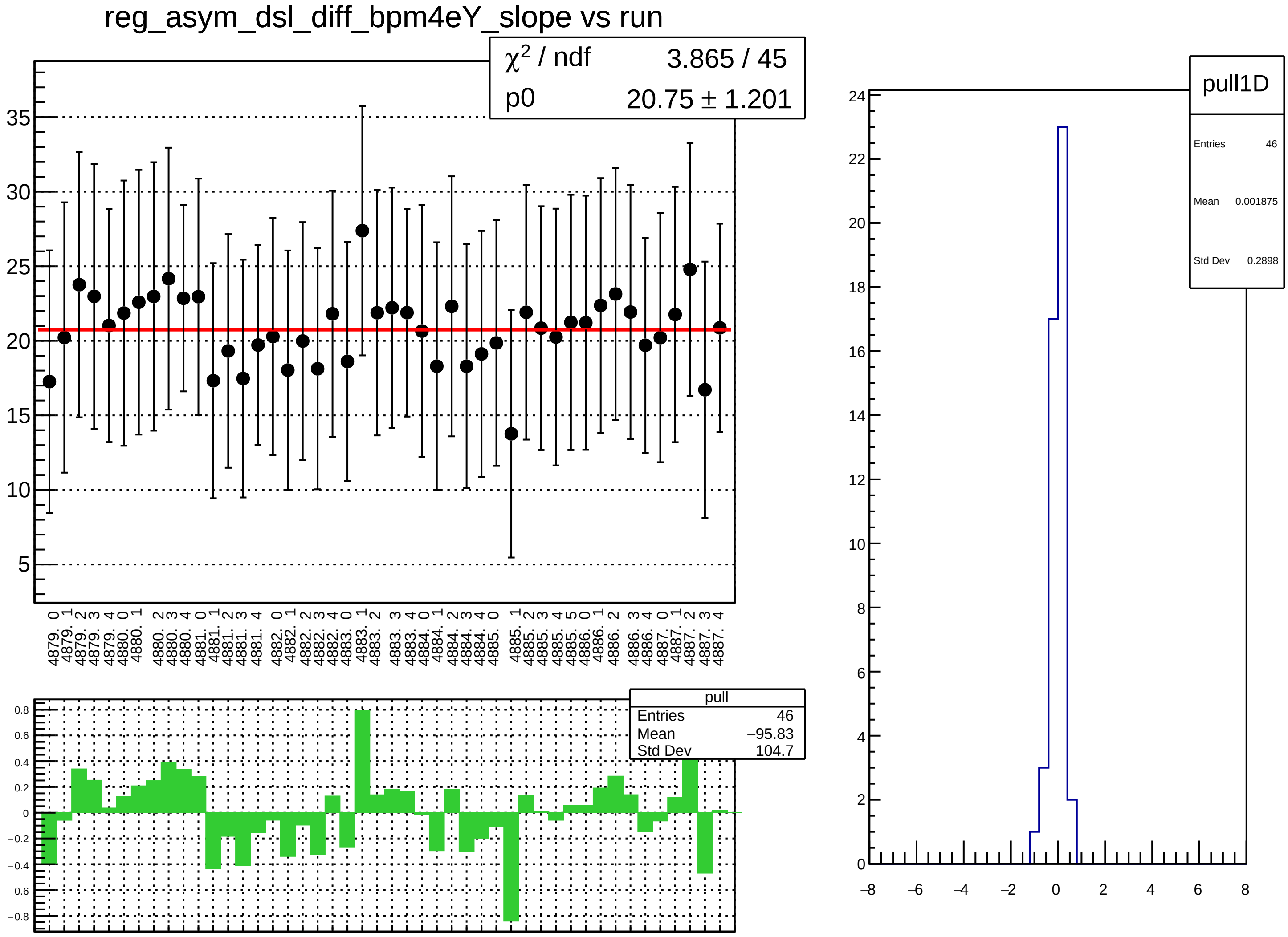
reg_asym_dsl_diff_bpm4aX_slope vs run
χ^2 / ndf 13.34 / 45
p0 50.12 ± 0.7563
pull
Entries 46
Mean 37.81
Std Dev 31.58
pull1D
Entries 46
Mean −0.03055
Std Dev 0.5377



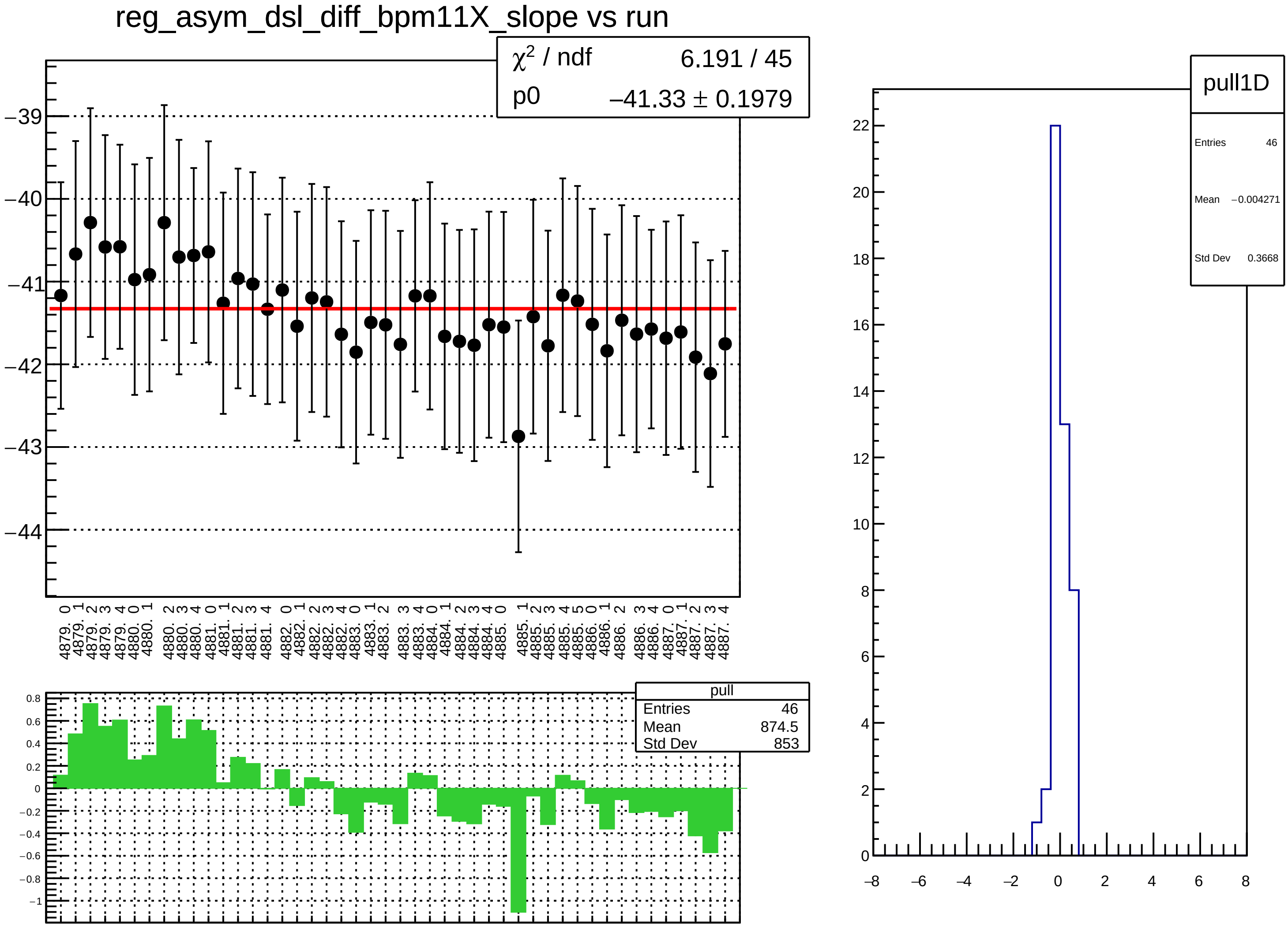
reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 4.129 / 45
p0 −19.07 ± 1.076
pull
Entries 46
Mean 659.5
Std Dev 646.3
pull1D
Entries 46
Mean 0.0003239
Std Dev 0.2996



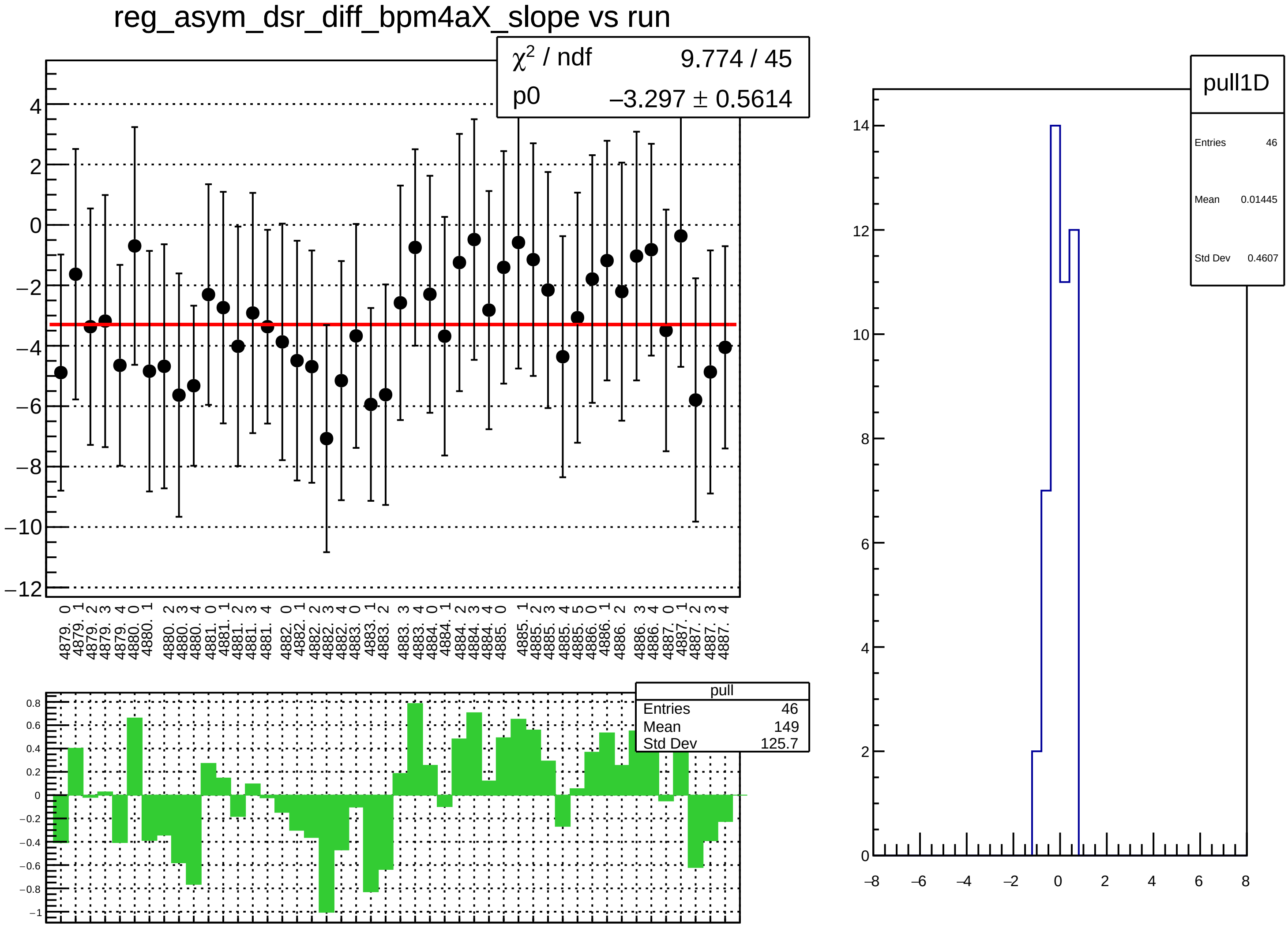
reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 25.88 / 45
p0 −72.75 ± 0.1437
pull
Entries 46
Mean 2942
Std Dev 2920
pull1D
Entries 46
Mean −0.003063
Std Dev 0.7501



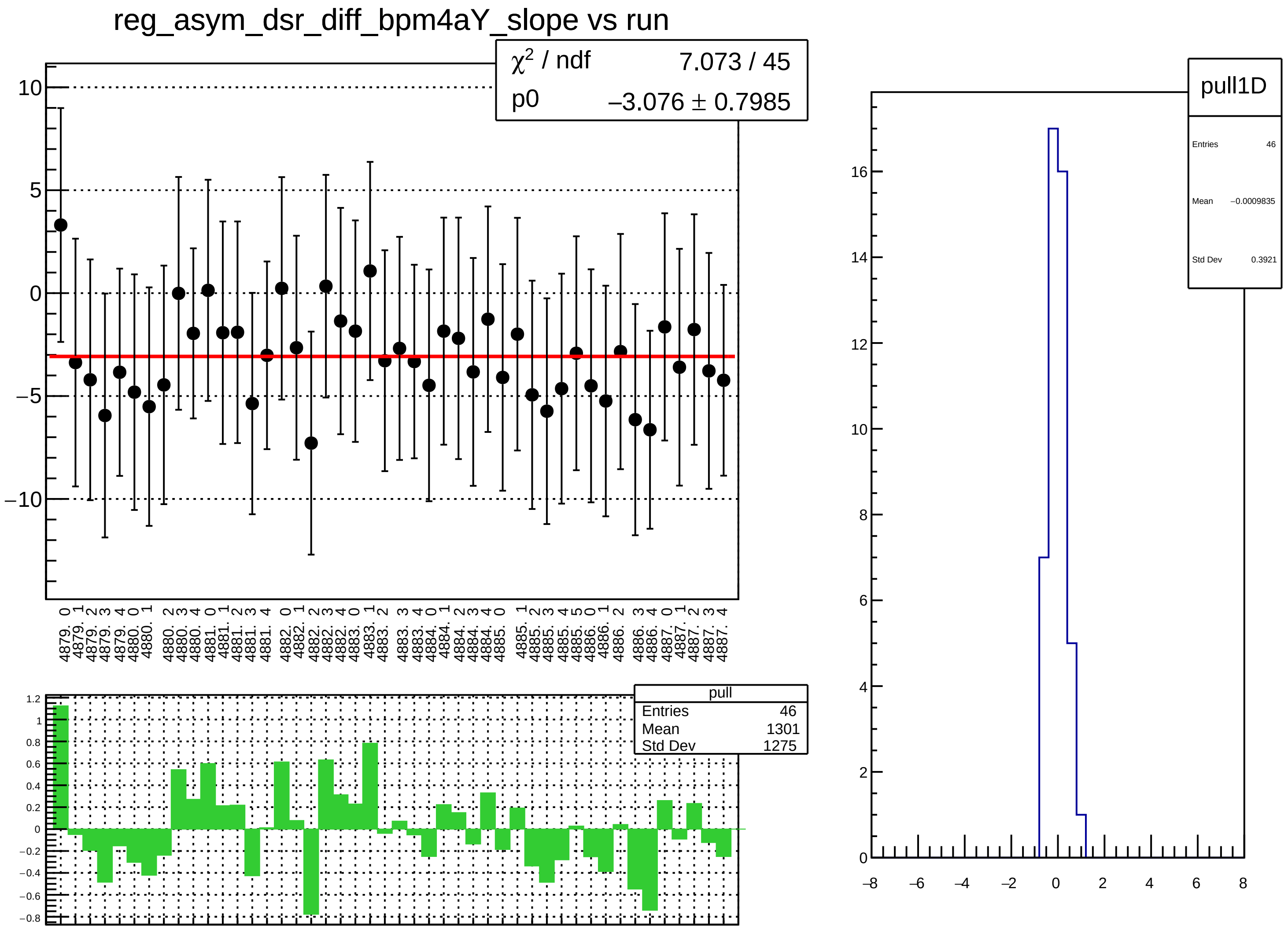
reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 3.865 / 45
p0 20.75 ± 1.201
pull
Entries 46
Mean −95.83
Std Dev 104.7
pull1D
Entries 46
Mean 0.001875
Std Dev 0.2898



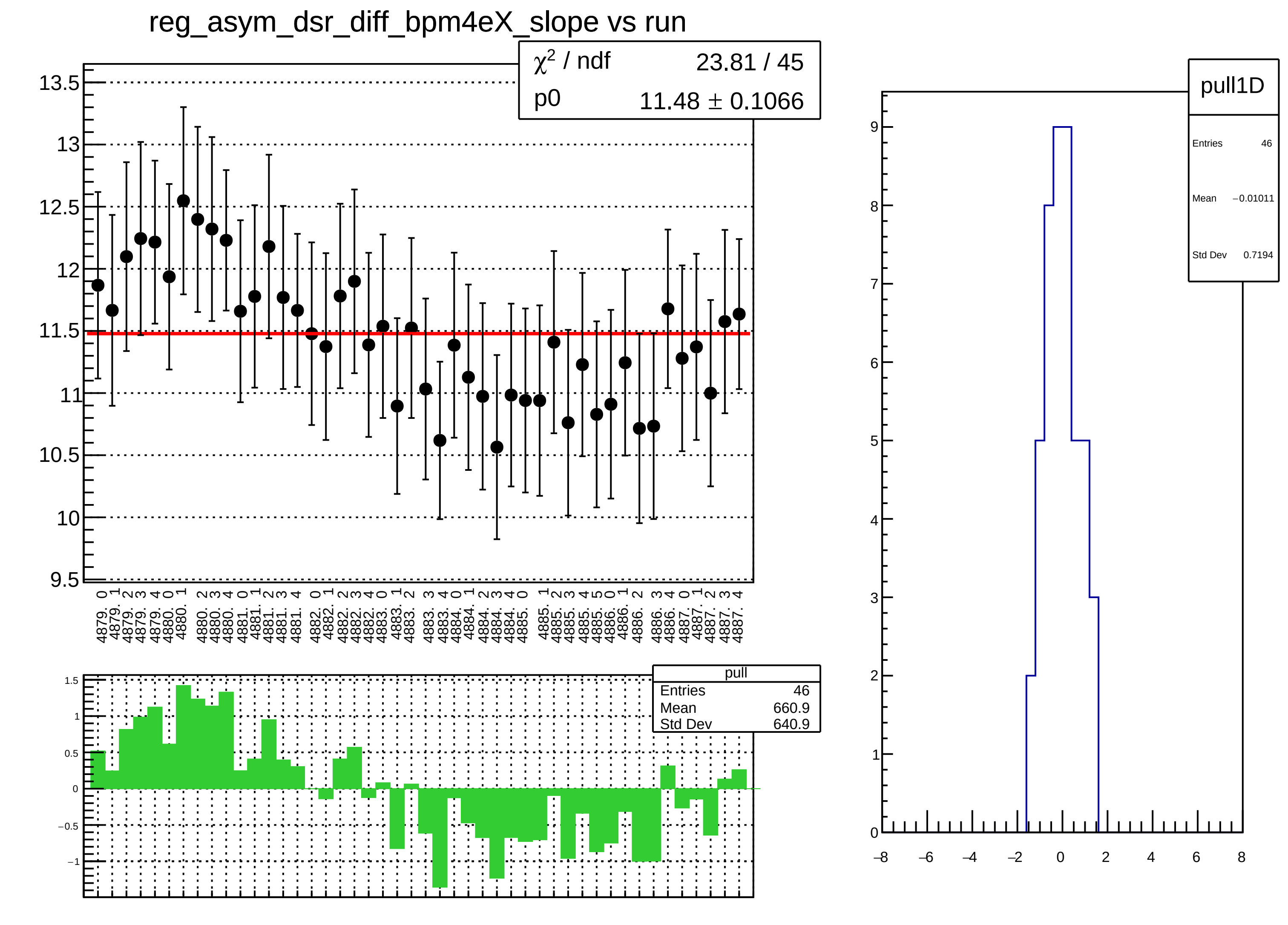
reg_asym_dsl_diff_bpm11X_slope vs run
χ^2 / ndf 6.191 / 45
p0 −41.33 ± 0.1979
pull
Entries 46
Mean 874.5
Std Dev 853
pull1D
Entries 46
Mean −0.004271
Std Dev 0.3668



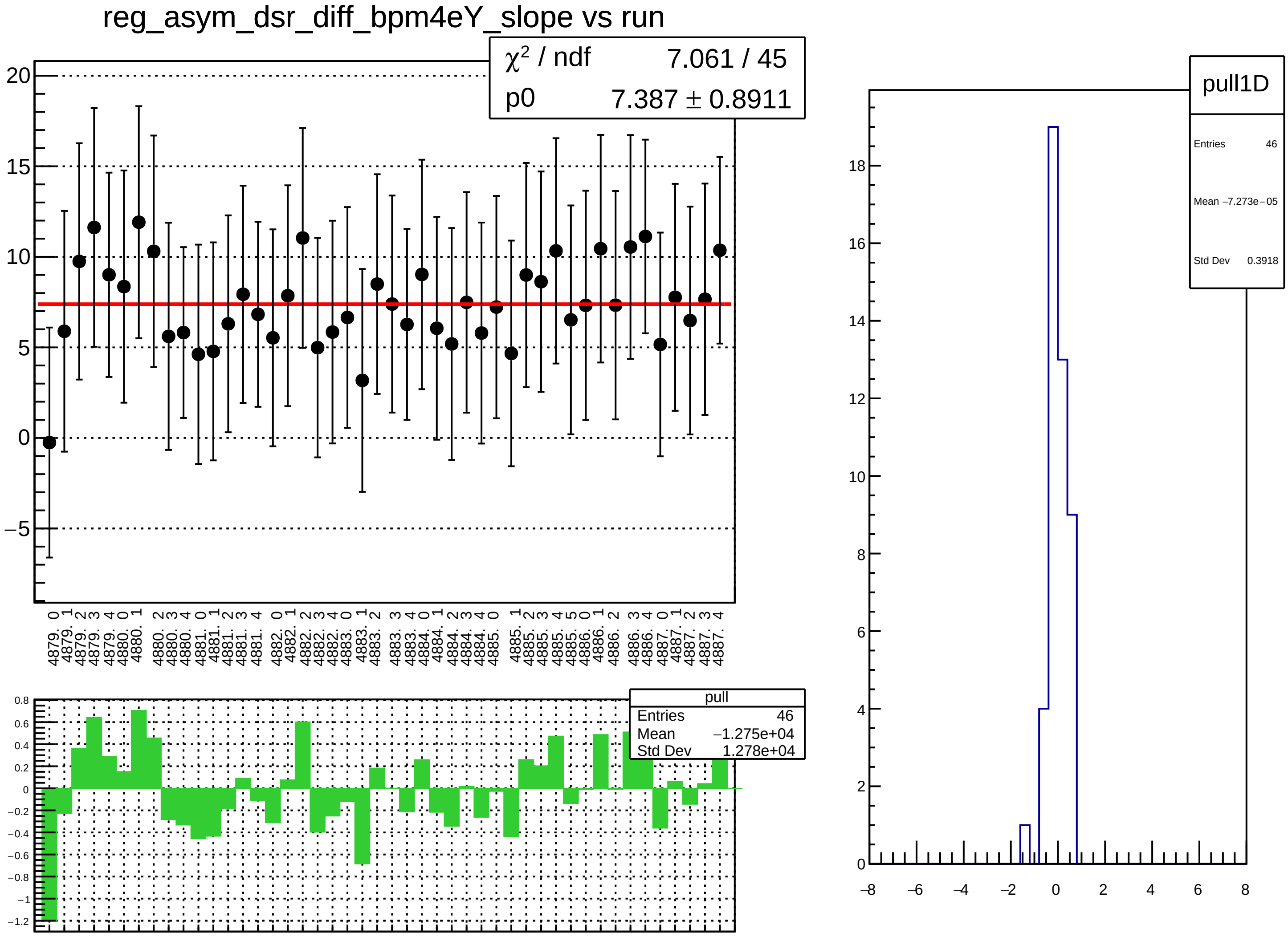
reg_asym_dsr_diff_bpm4aX_slope vs run
χ2 / ndf 9.774 / 45
p0 −3.297 ± 0.5614
pull
Entries 46
Mean 149
Std Dev 125.7
pull1D
Entries 46
Mean 0.01445
Std Dev 0.4607



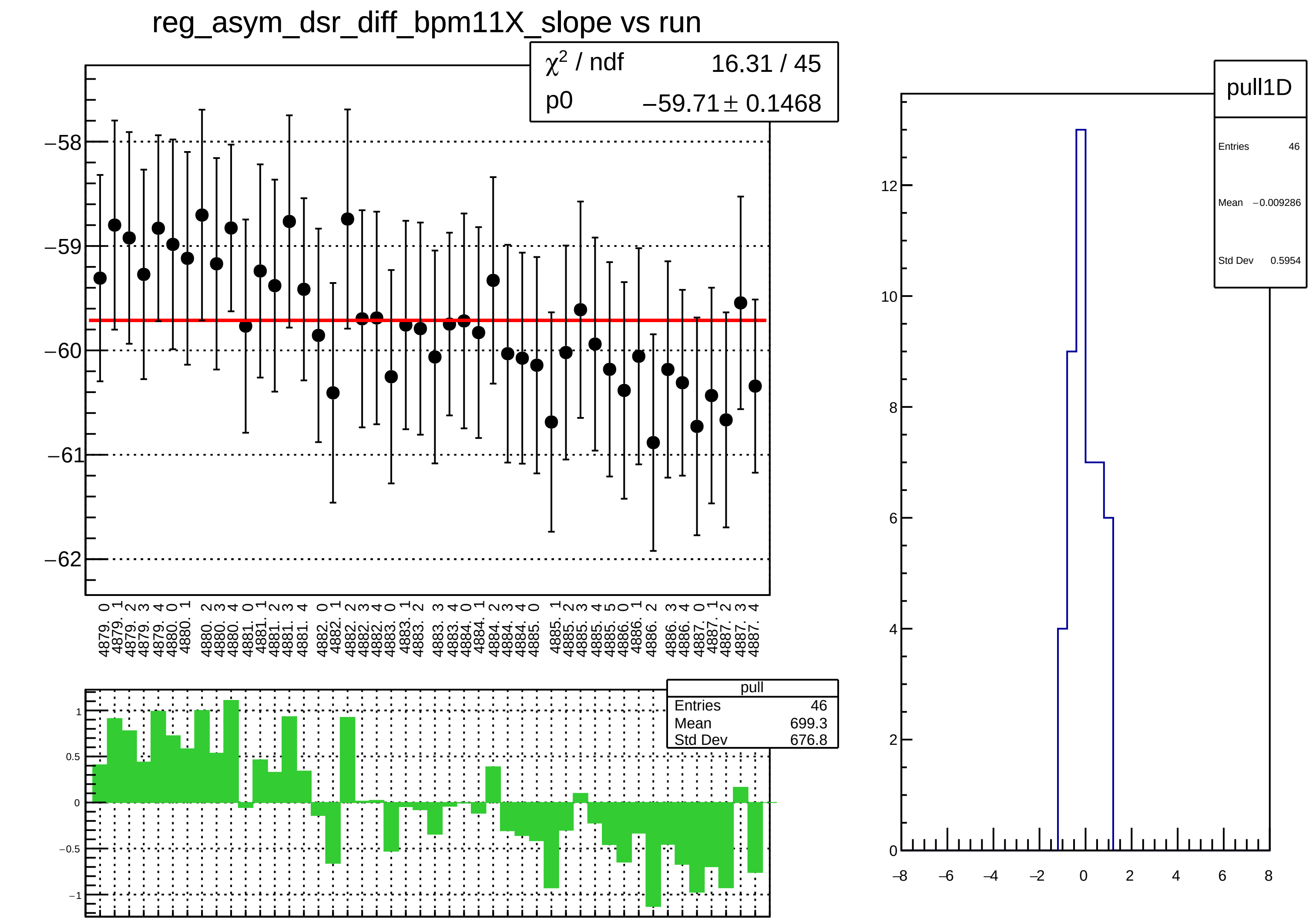
reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 7.073 / 45
p0 −3.076 ± 0.7985
pull
Entries 46
Mean 1301
Std Dev 1275
pull1D
Entries 46
Mean −0.0009835
Std Dev 0.3921



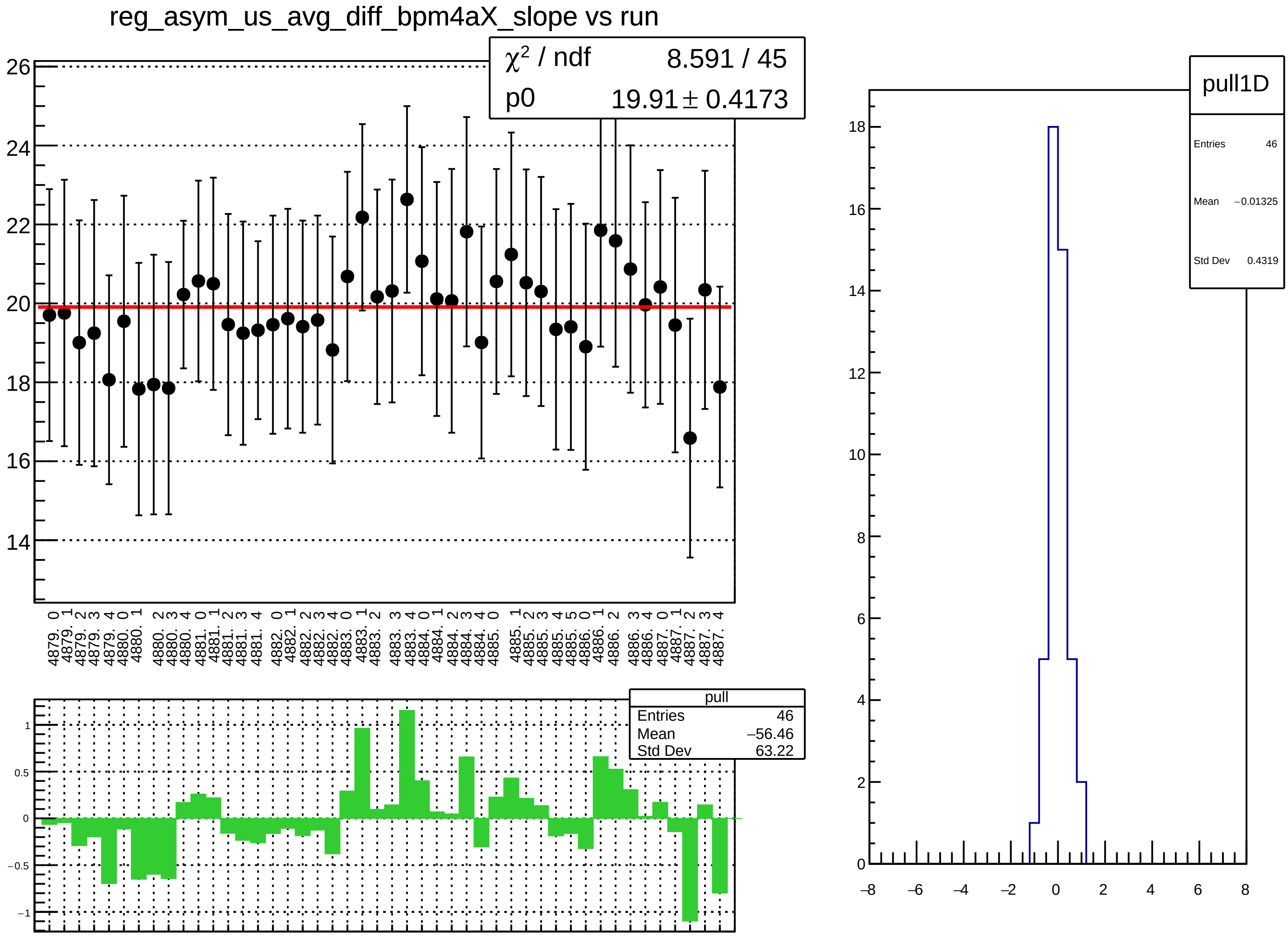
reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 23.81 / 45
p0 11.48 ± 0.1066
pull
Entries 46
Mean 660.9
Std Dev 640.9
pull1D
Entries 46
Mean −0.01011
Std Dev 0.7194



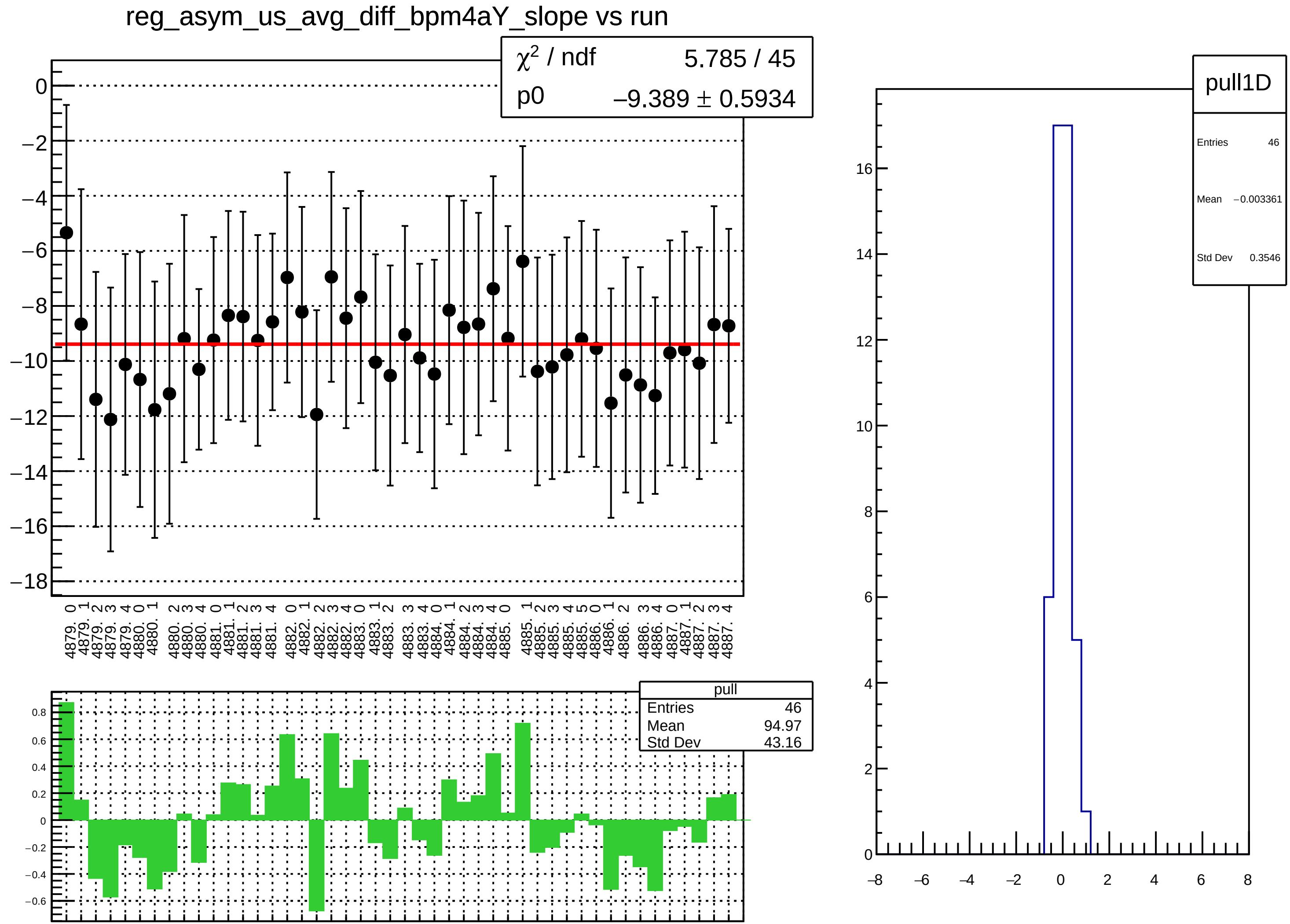
reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 7.061 / 45
p0 7.387 ± 0.8911
pull
Entries 46
Mean −1.275e+04
Std Dev 1.278e+04
pull1D
Entries 46
Mean −7.273e−05
Std Dev 0.3918

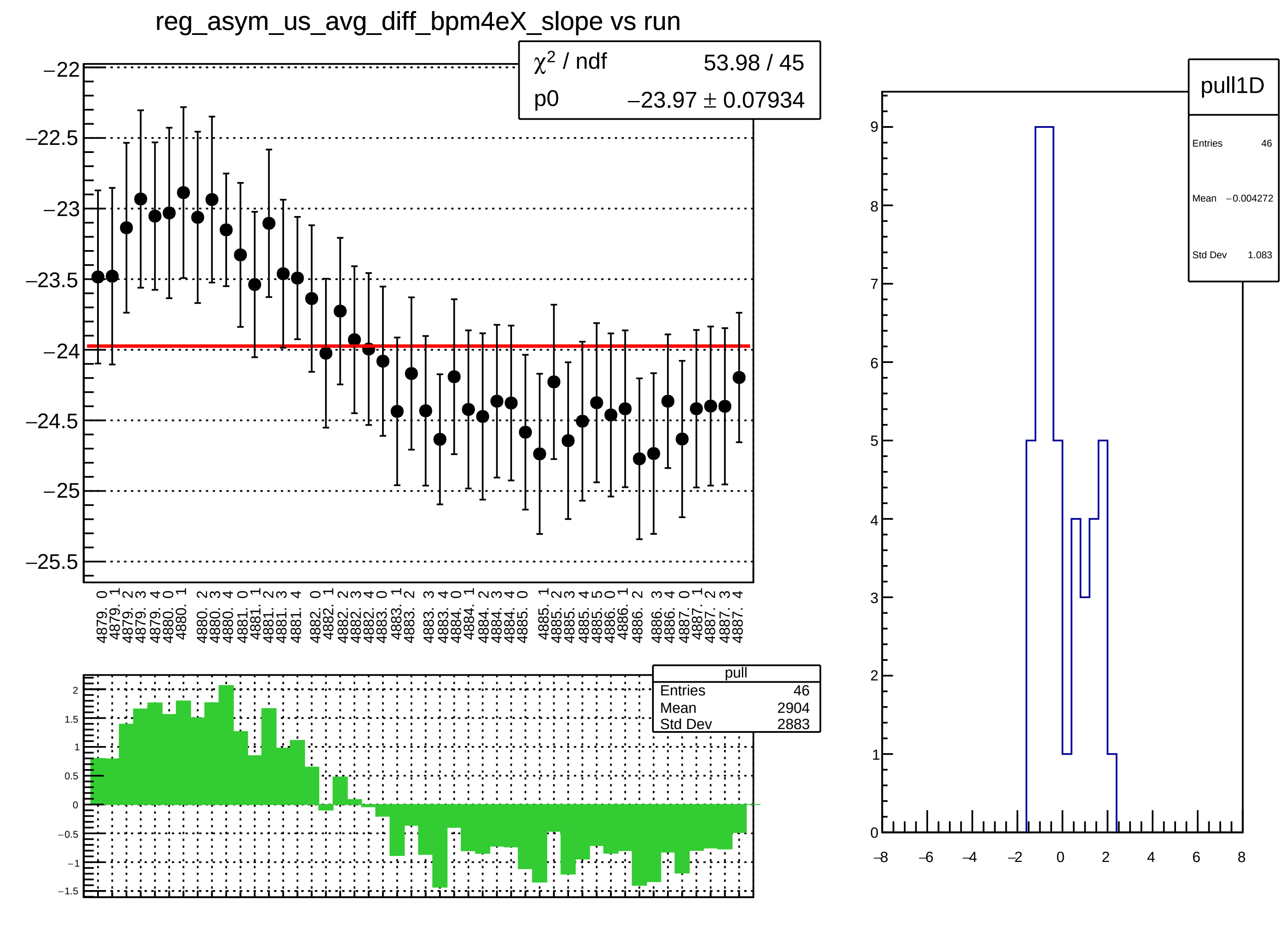


reg_asym_dsr_diff_bpm11X_slope vs run
χ^2 / ndf 16.31 / 45
p0 −59.71 ± 0.1468
−58
−59
−60
−61
−62
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 699.3
Std Dev 676.8
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.009286
Std Dev 0.5954
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

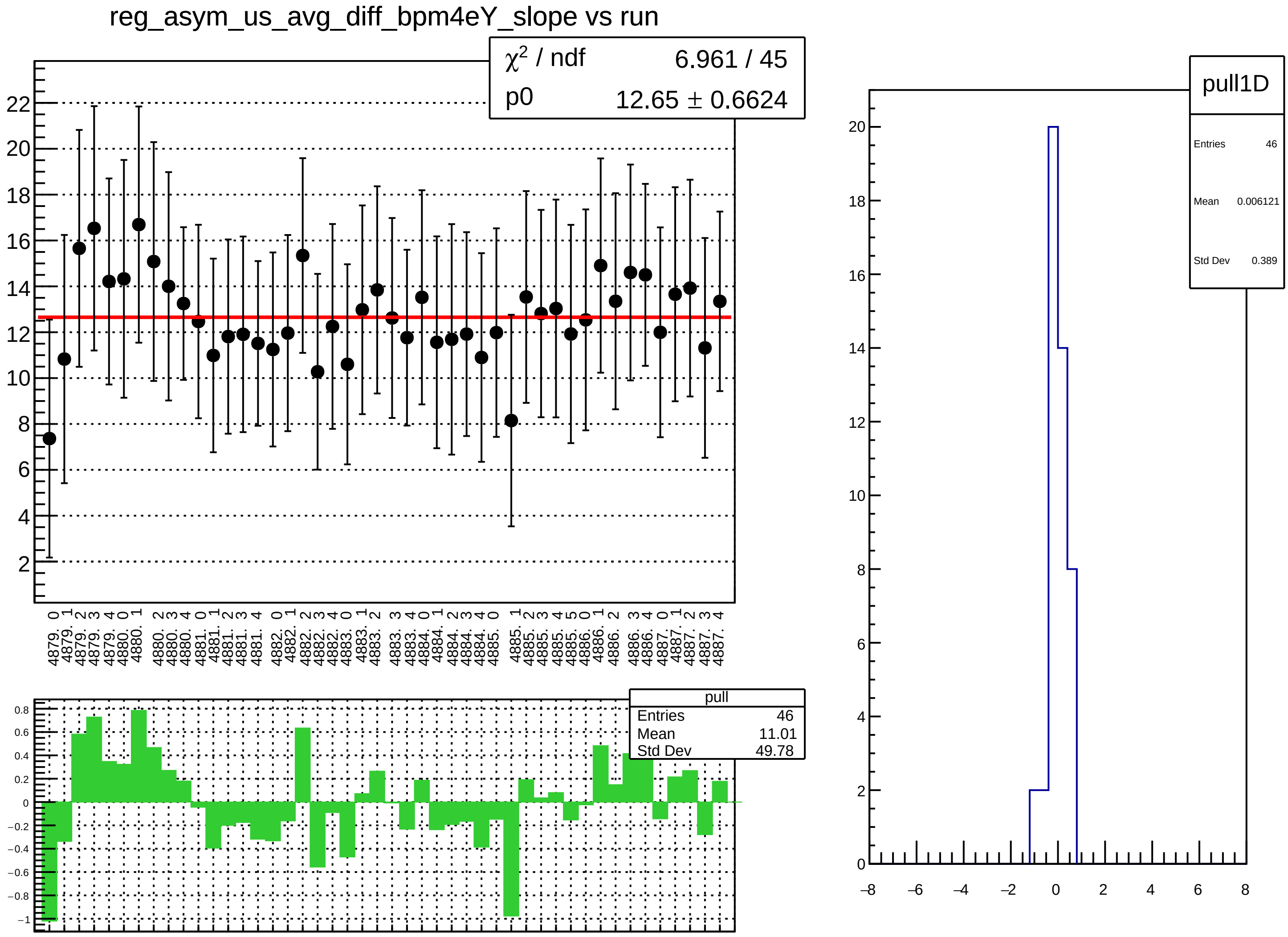


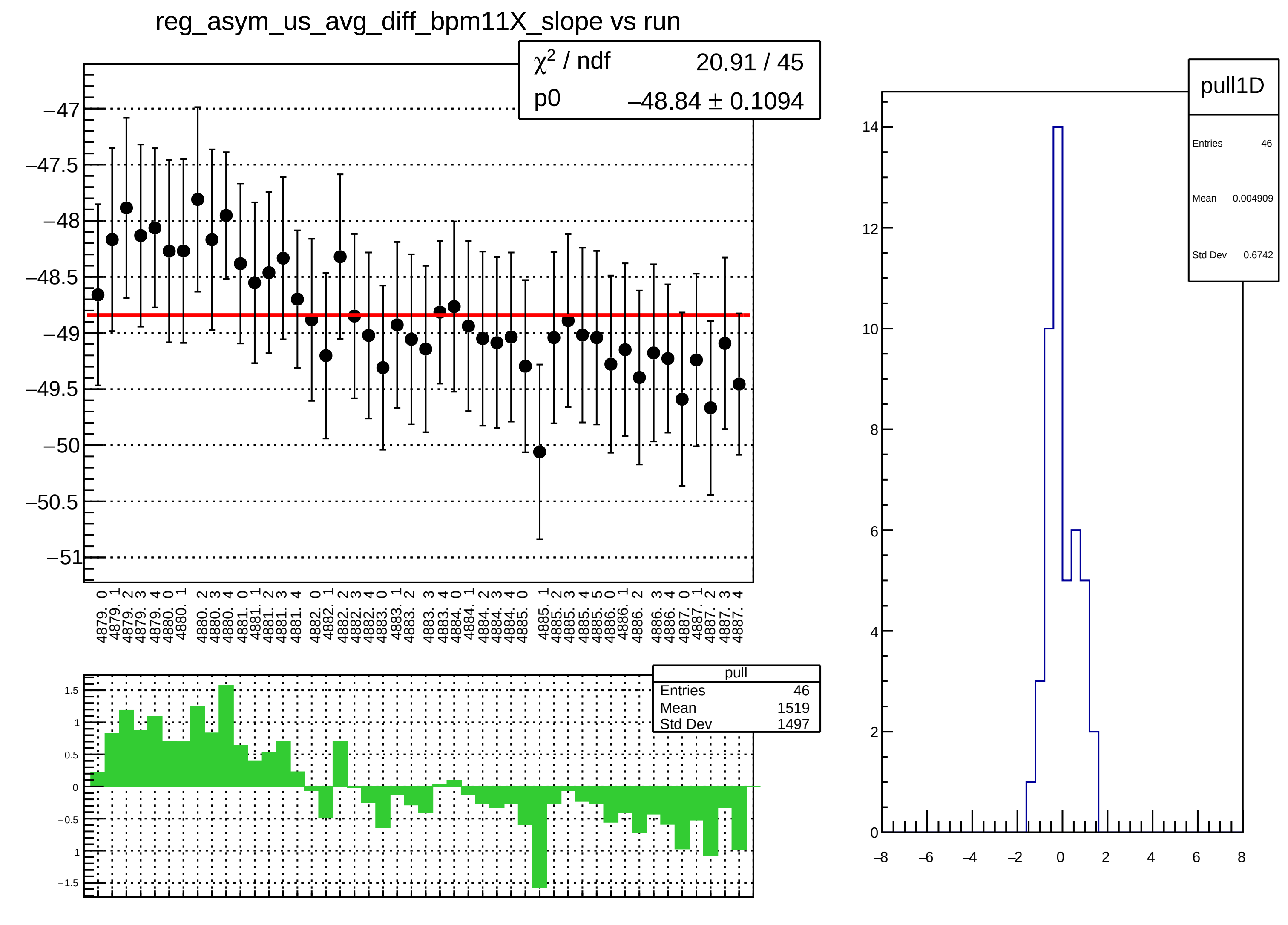
reg_asym_us_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 8.591 / 45
p0 19.91 ± 0.4173
pull
Entries 46
Mean −56.46
Std Dev 63.22
pull1D
Entries 46
Mean −0.01325
Std Dev 0.4319


reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 5.785 / 45
p0 −9.389 ± 0.5934
pull
Entries 46
Mean 94.97
Std Dev 43.16
pull1D
Entries 46
Mean −0.003361
Std Dev 0.3546

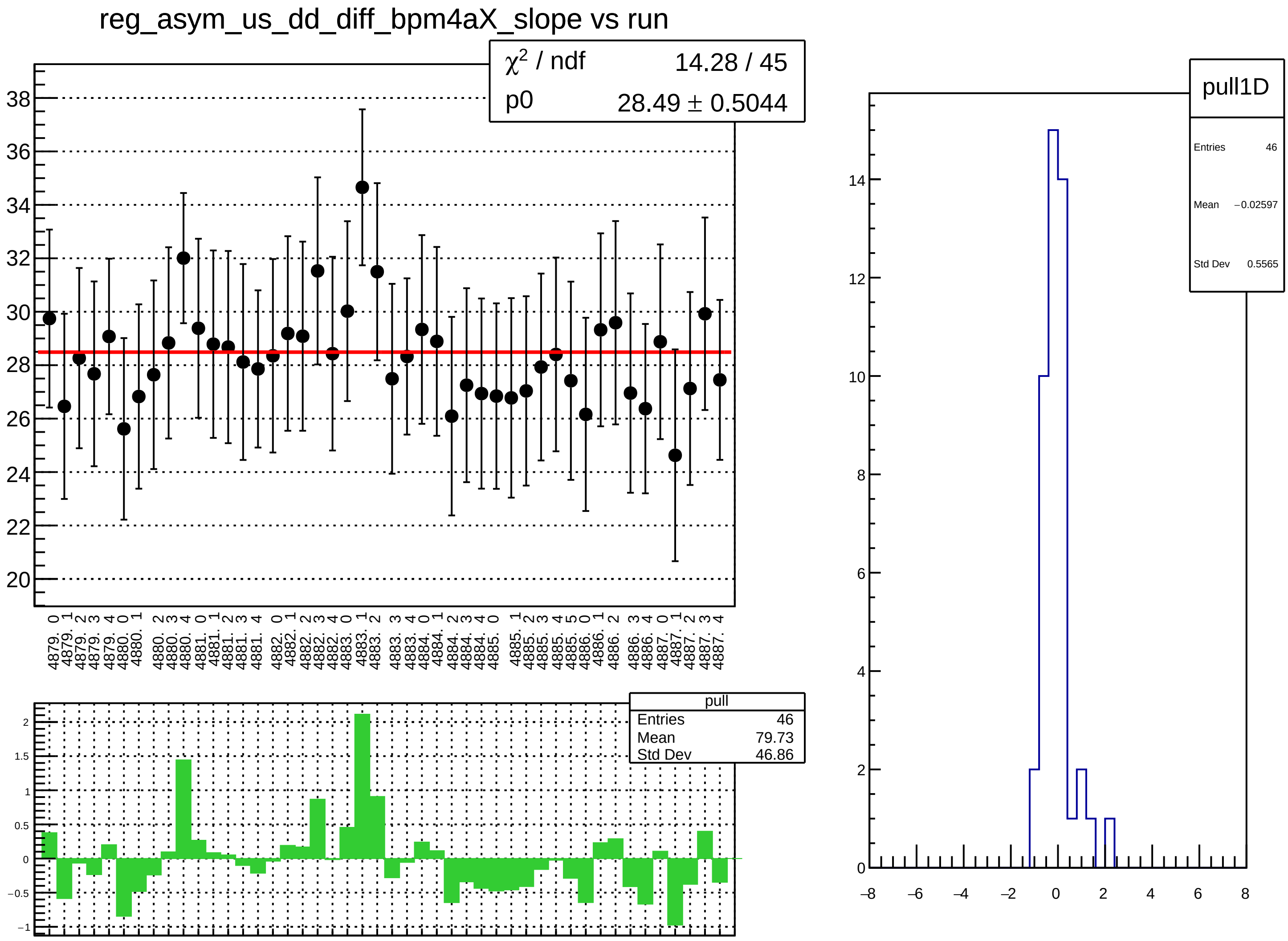


reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 53.98 / 45
p0 −23.97 ± 0.07934
pull
Entries 46
Mean 2904
Std Dev 2883
pull1D
Entries 46
Mean −0.004272
Std Dev 1.083


reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.961 / 45
p0 12.65 ± 0.6624
pull
Entries 46
Mean 11.01
Std Dev 49.78
pull1D
Entries 46
Mean 0.006121
Std Dev 0.389

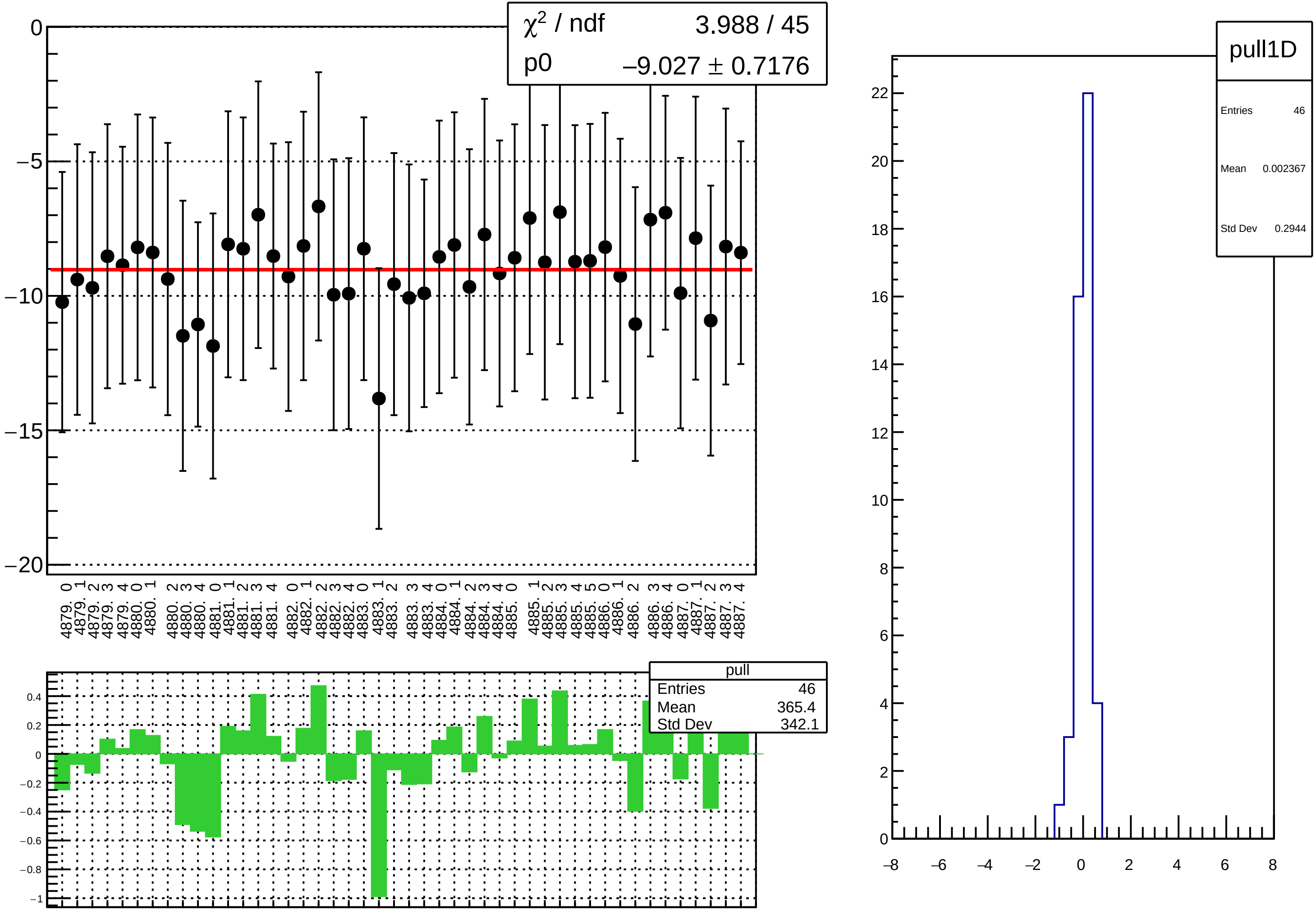


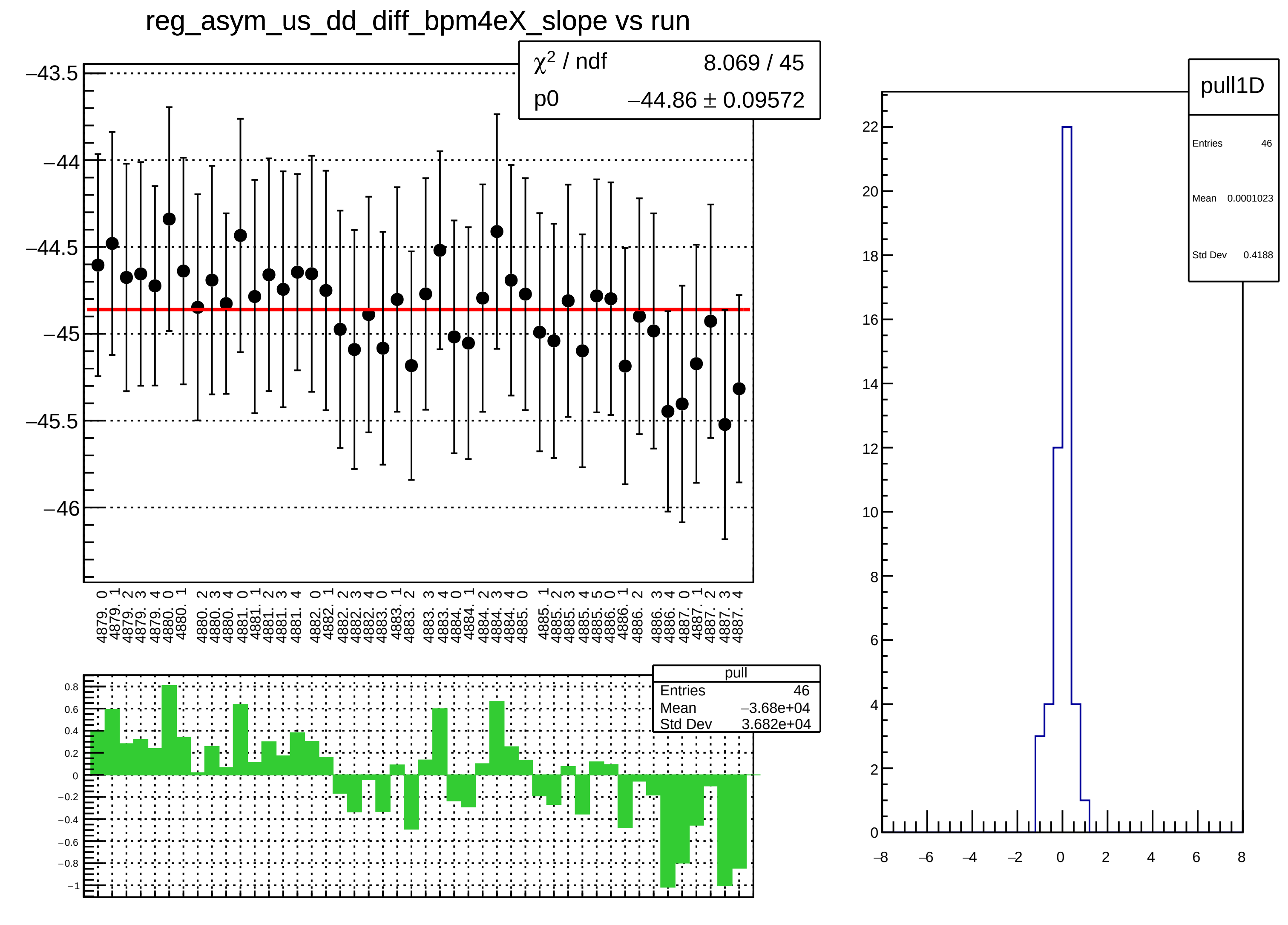
reg_asym_us_avg_diff_bpm11X_slope vs run
χ^2 / ndf 20.91 / 45
p0 −48.84 ± 0.1094
pull
Entries 46
Mean 1519
Std Dev 1497
pull1D
Entries 46
Mean −0.004909
Std Dev 0.6742



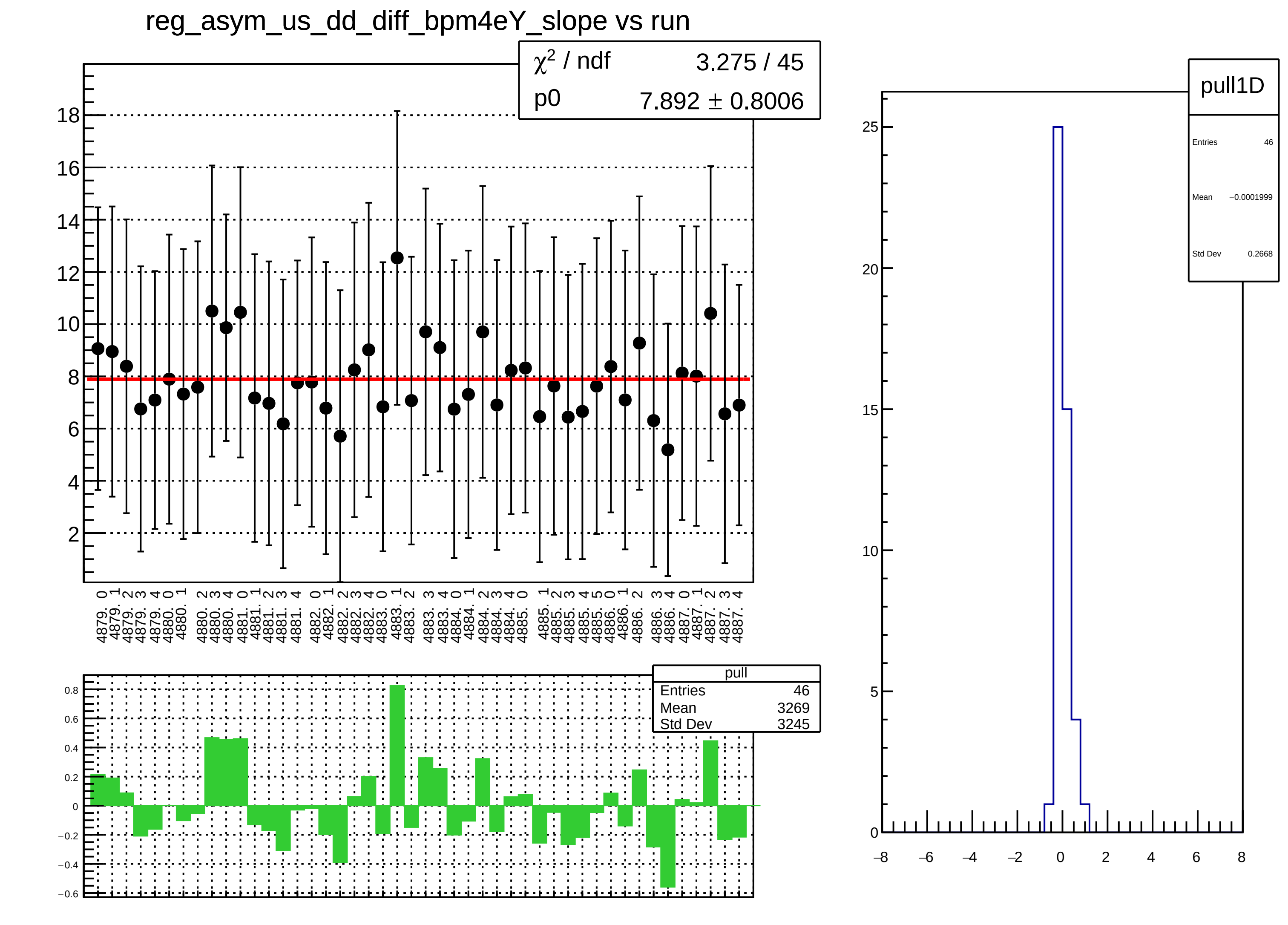
reg_asym_us_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 14.28 / 45
p0 28.49 ± 0.5044
pull
Entries 46
Mean 79.73
Std Dev 46.86
pull1D
Entries 46
Mean −0.02597
Std Dev 0.5565

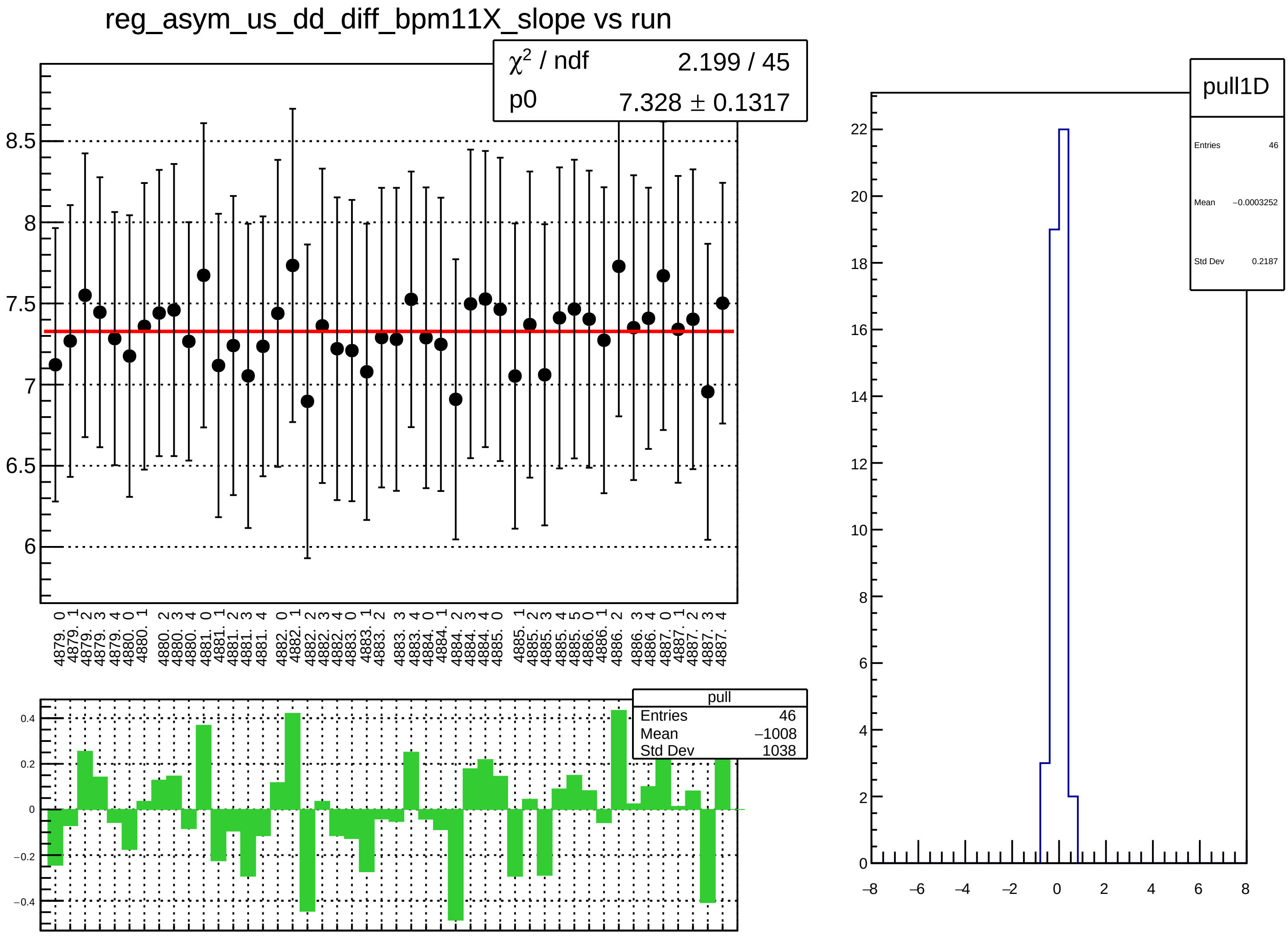
reg_asym_us_dd_diff_bpm4aY_slope vs run

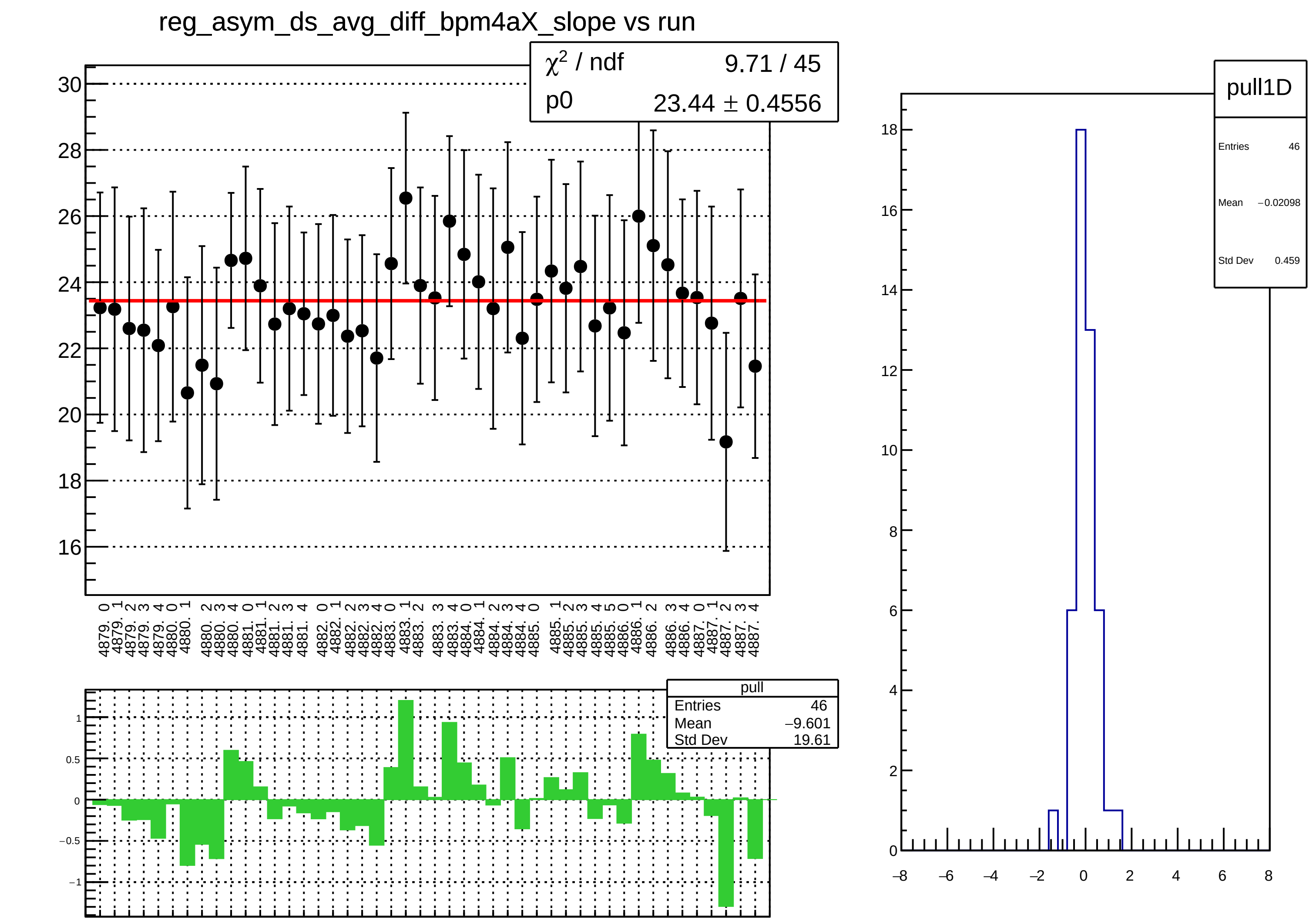




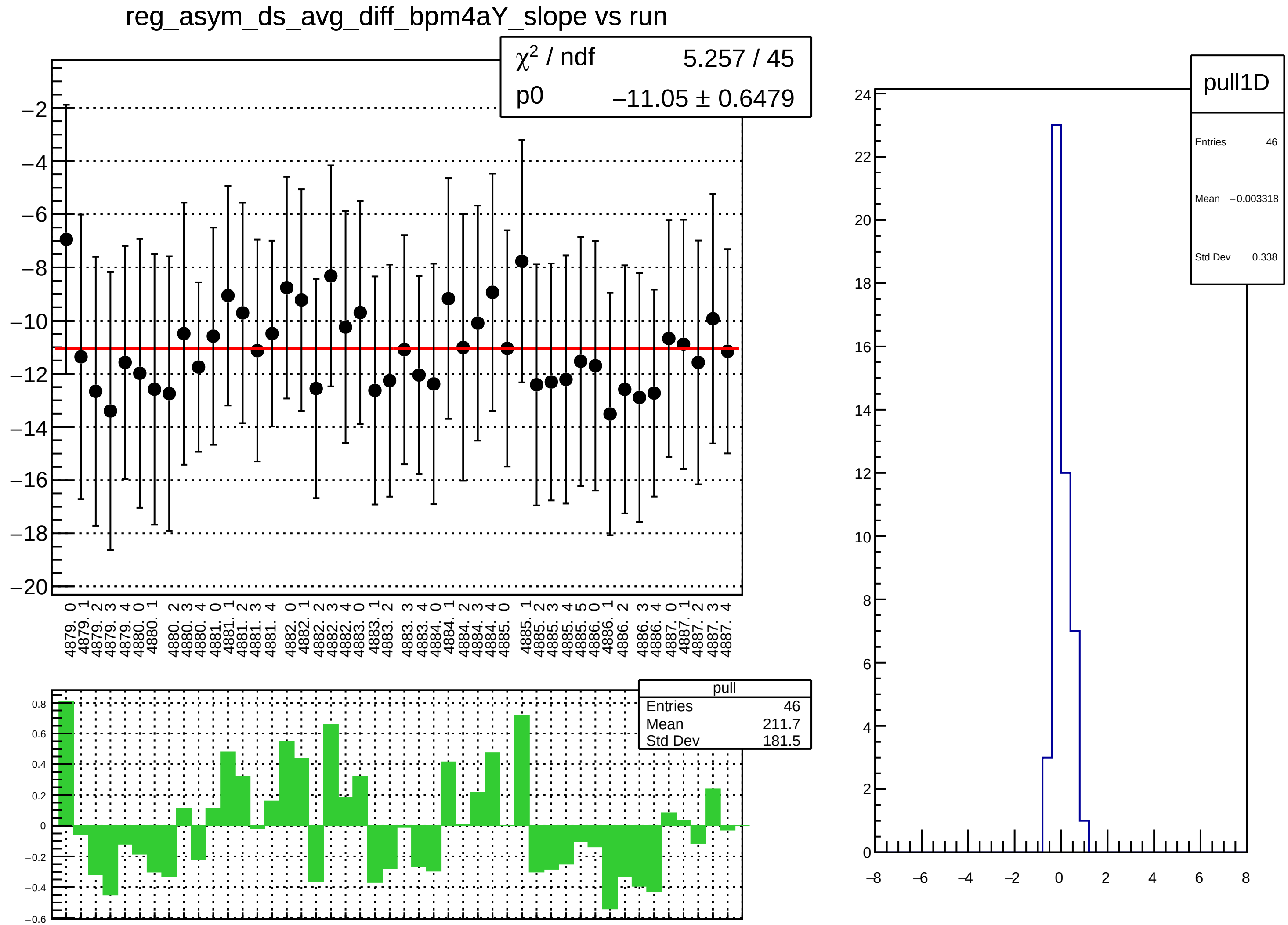
reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 8.069 / 45
p0 −44.86 ± 0.09572
pull
Entries 46
Mean −3.68e+04
Std Dev 3.682e+04
pull1D
Entries 46
Mean 0.0001023
Std Dev 0.4188


reg_asym_us_dd_diff_bpm4eY_slope vs run
χ2 / ndf 3.275 / 45
p0 7.892 ± 0.8006
pull
Entries 46
Mean 3269
Std Dev 3245
pull1D
Entries 46
Mean −0.0001999
Std Dev 0.2668

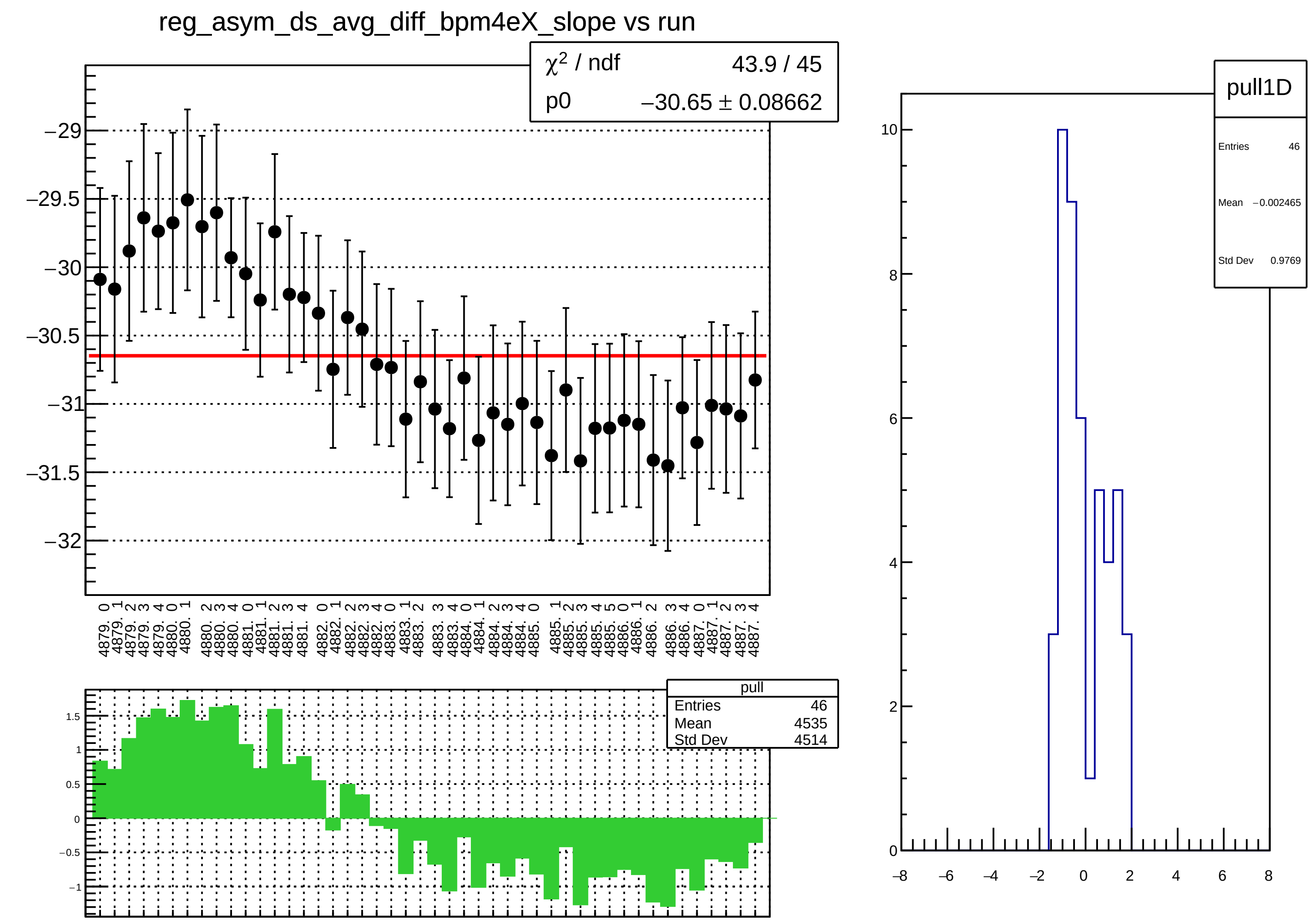

reg_asym_us_dd_diff_bpm11X_slope vs run
χ^2 / ndf 2.199 / 45
p0 7.328 ± 0.1317
pull
Entries 46
Mean −1008
Std Dev 1038
pull1D
Entries 46
Mean −0.0003252
Std Dev 0.2187

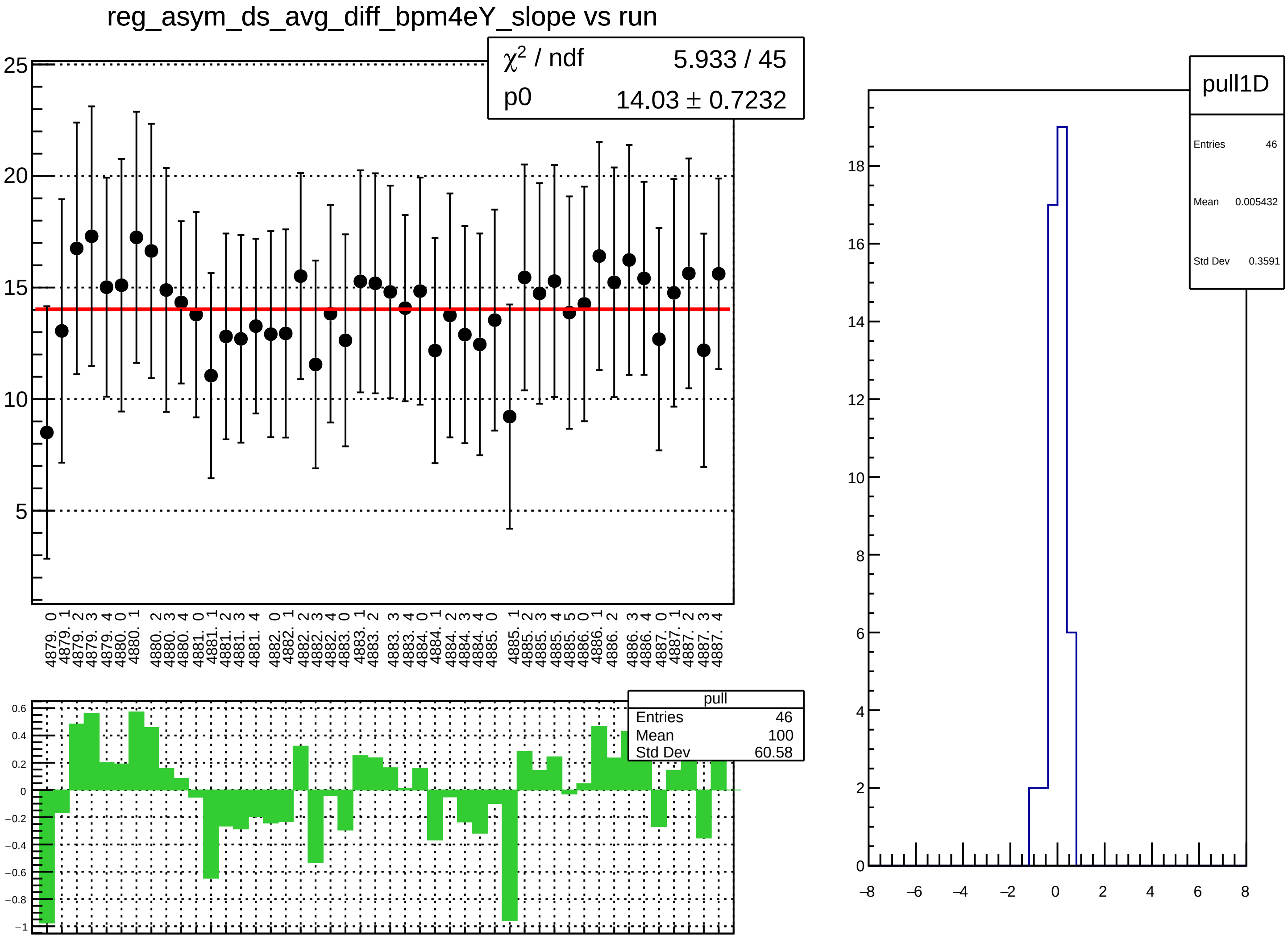


reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 9.71 / 45
p0 23.44 ± 0.4556
pull
Entries 46
Mean −9.601
Std Dev 19.61
pull1D
Entries 46
Mean −0.02098
Std Dev 0.459

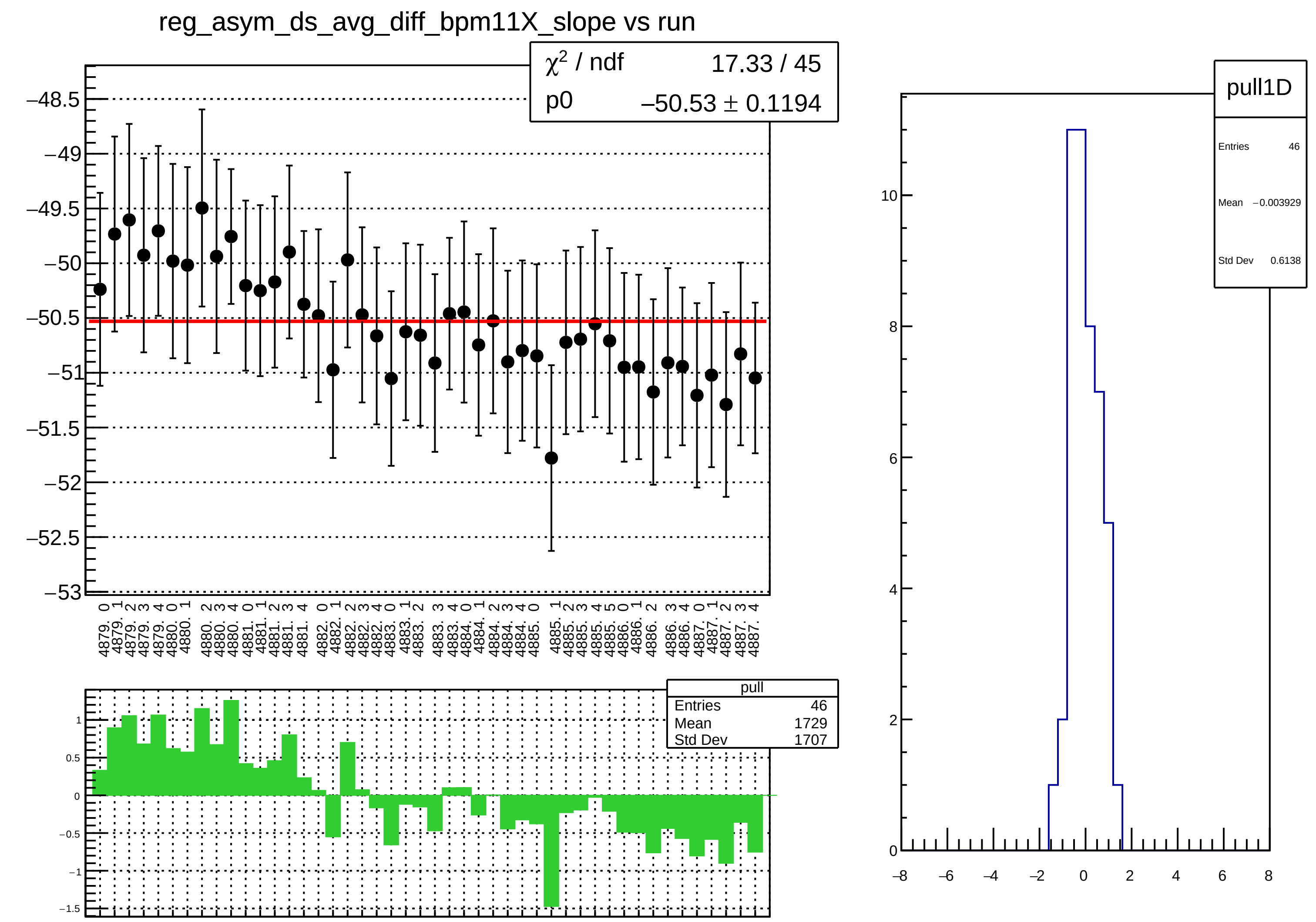


reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.257 / 45
p0 −11.05 ± 0.6479
pull
Entries 46
Mean 211.7
Std Dev 181.5
pull1D
Entries 46
Mean −0.003318
Std Dev 0.338

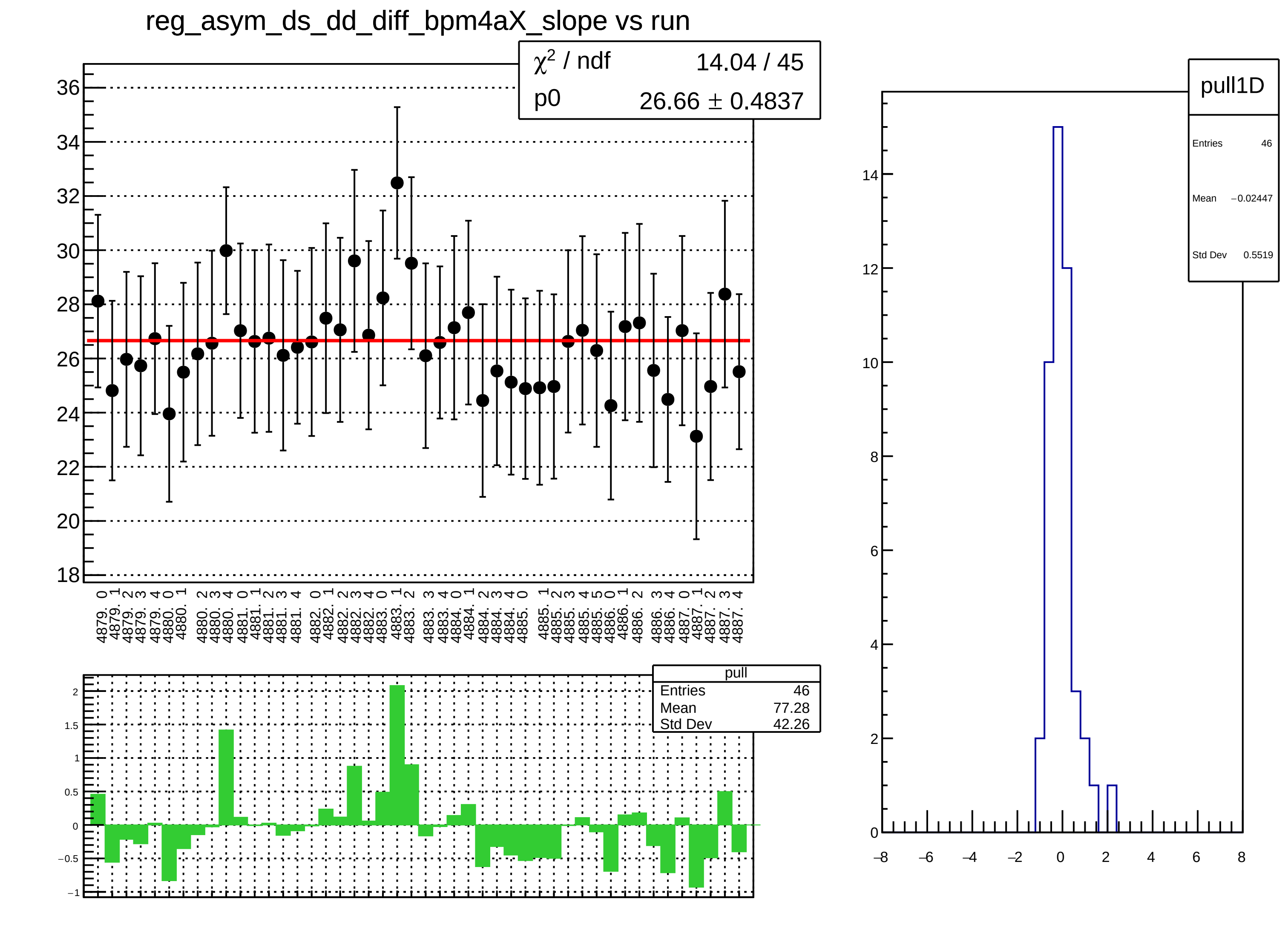

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 43.9 / 45
p0 −30.65 ± 0.08662
pull
Entries 46
Mean 4535
Std Dev 4514
pull1D
Entries 46
Mean −0.002465
Std Dev 0.9769



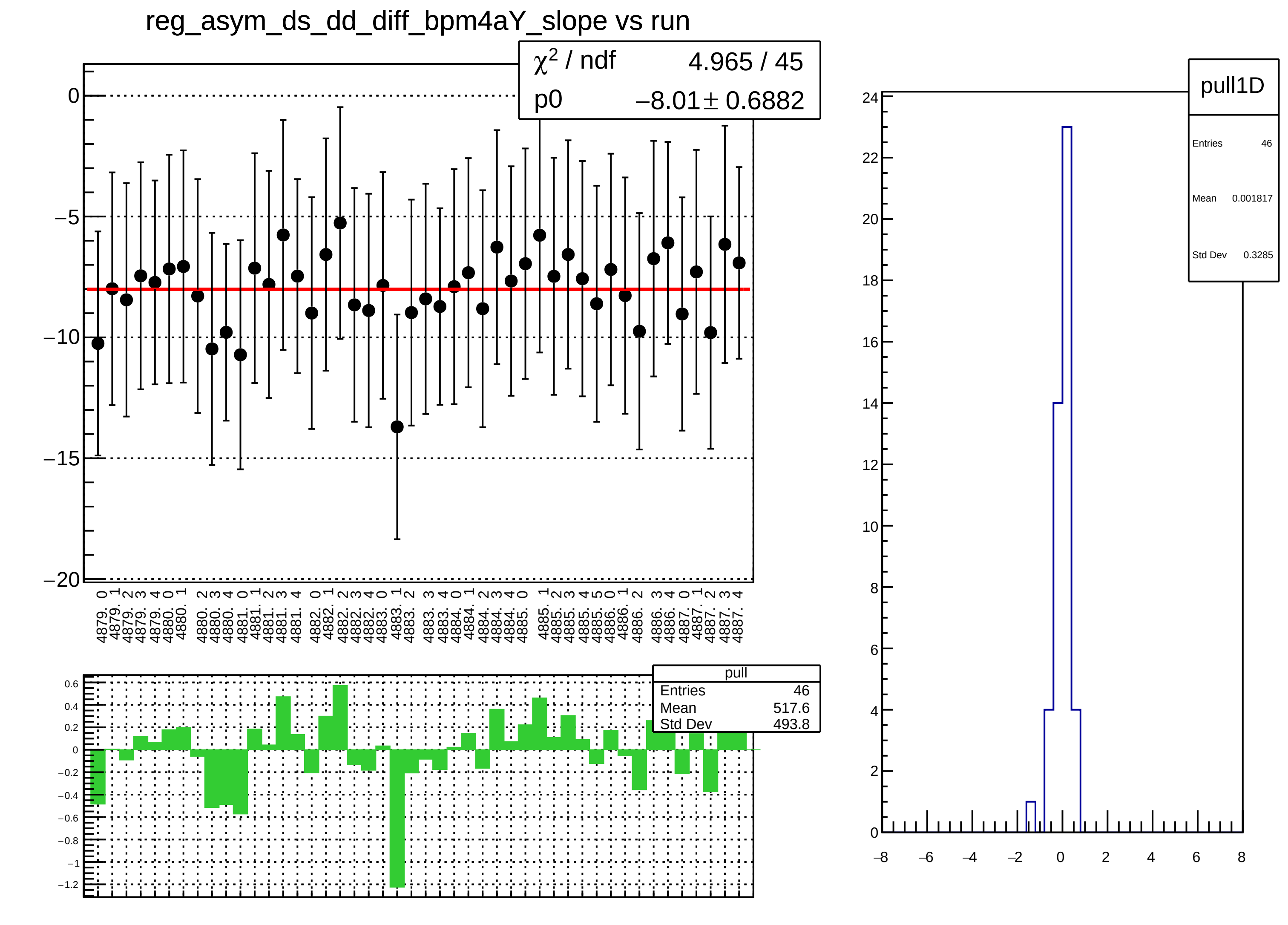
reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.933 / 45
p0 14.03 ± 0.7232
pull
Entries 46
Mean 100
Std Dev 60.58
pull1D
Entries 46
Mean 0.005432
Std Dev 0.3591



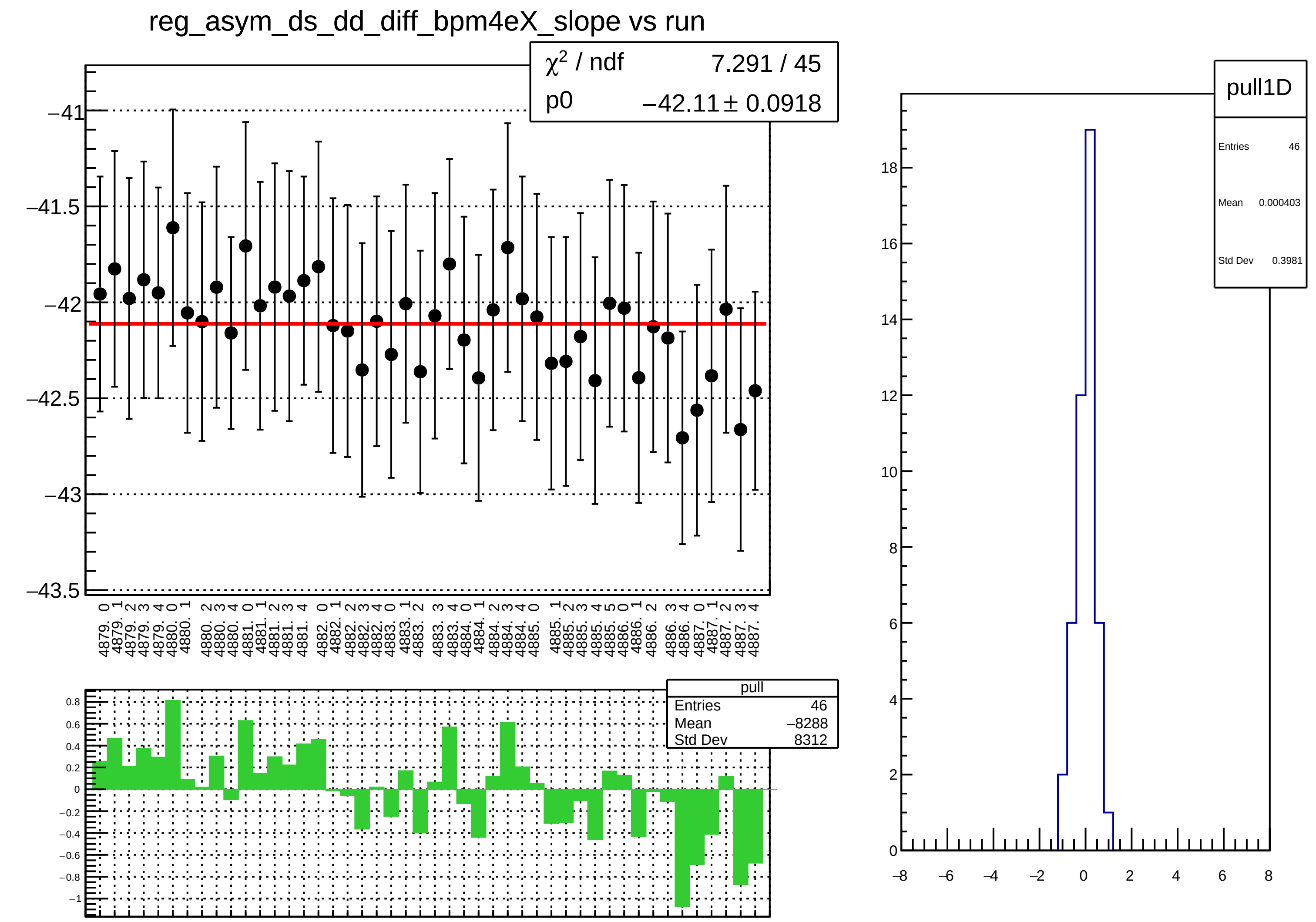
reg_asym_ds_avg_diff_bpm11X_slope vs run
χ^2 / ndf 17.33 / 45
p0 −50.53 ± 0.1194
pull
Entries 46
Mean 1729
Std Dev 1707
pull1D
Entries 46
Mean −0.003929
Std Dev 0.6138



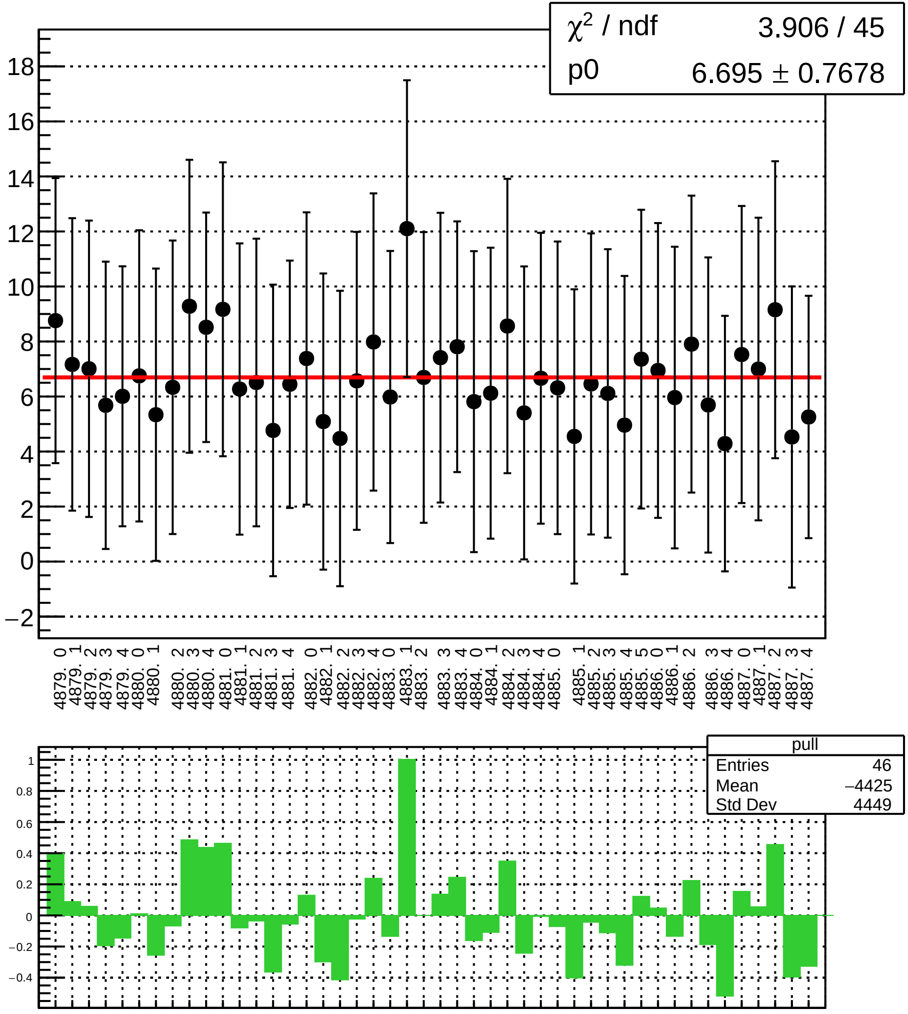
reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 14.04 / 45
p0 26.66 ± 0.4837
pull
Entries 46
Mean 77.28
Std Dev 42.26
pull1D
Entries 46
Mean −0.02447
Std Dev 0.5519

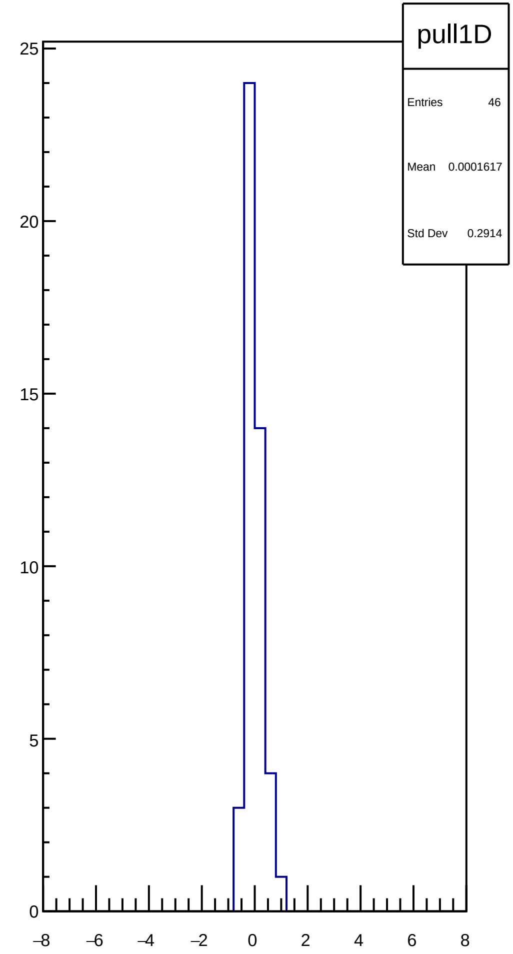


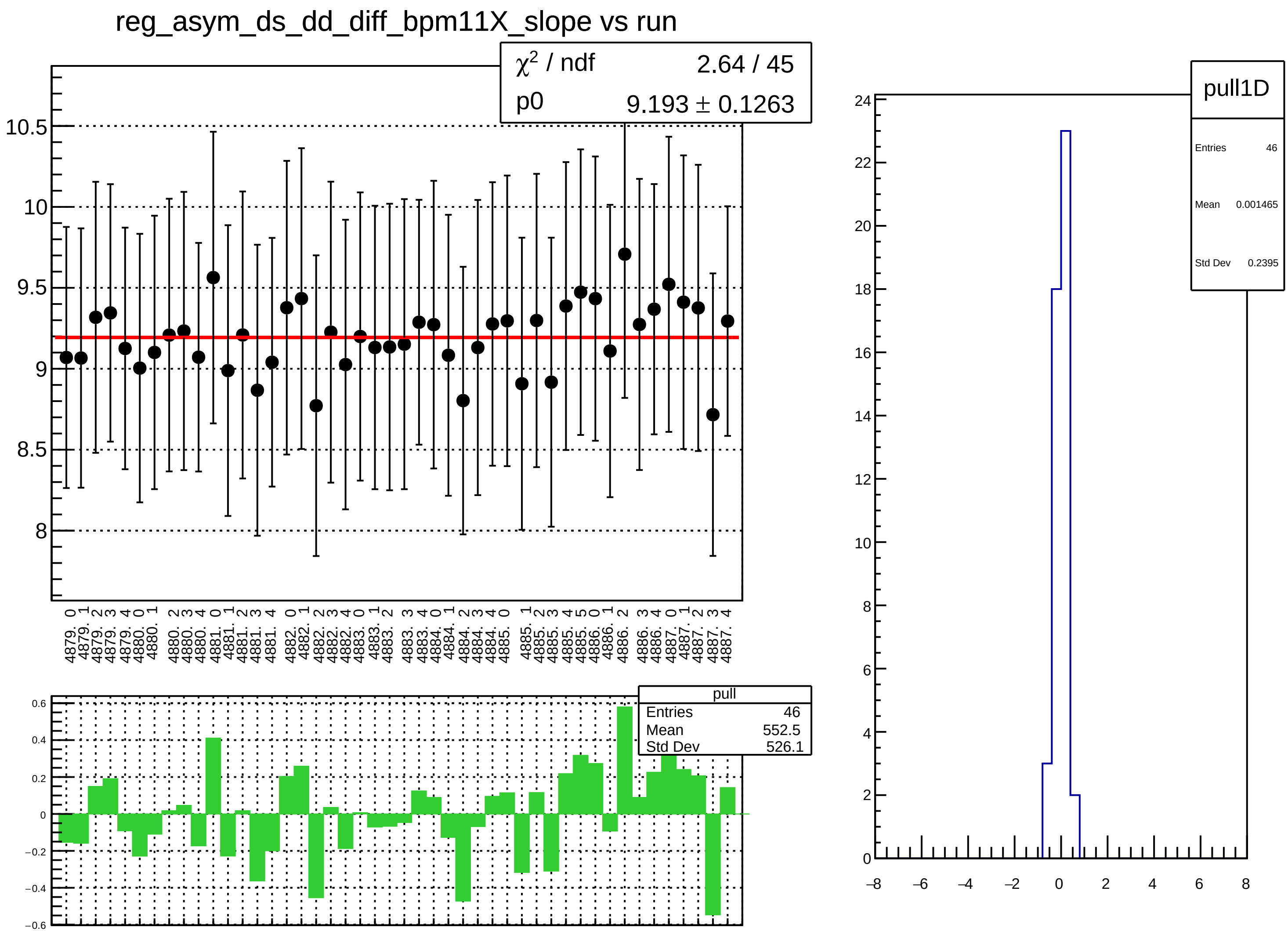
reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.965 / 45
p0 −8.01 ± 0.6882
pull
Entries 46
Mean 517.6
Std Dev 493.8
pull1D
Entries 46
Mean 0.001817
Std Dev 0.3285


reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.291 / 45
p0 −42.11 ± 0.0918
pull
Entries 46
Mean −8288
Std Dev 8312
pull1D
Entries 46
Mean 0.000403
Std Dev 0.3981

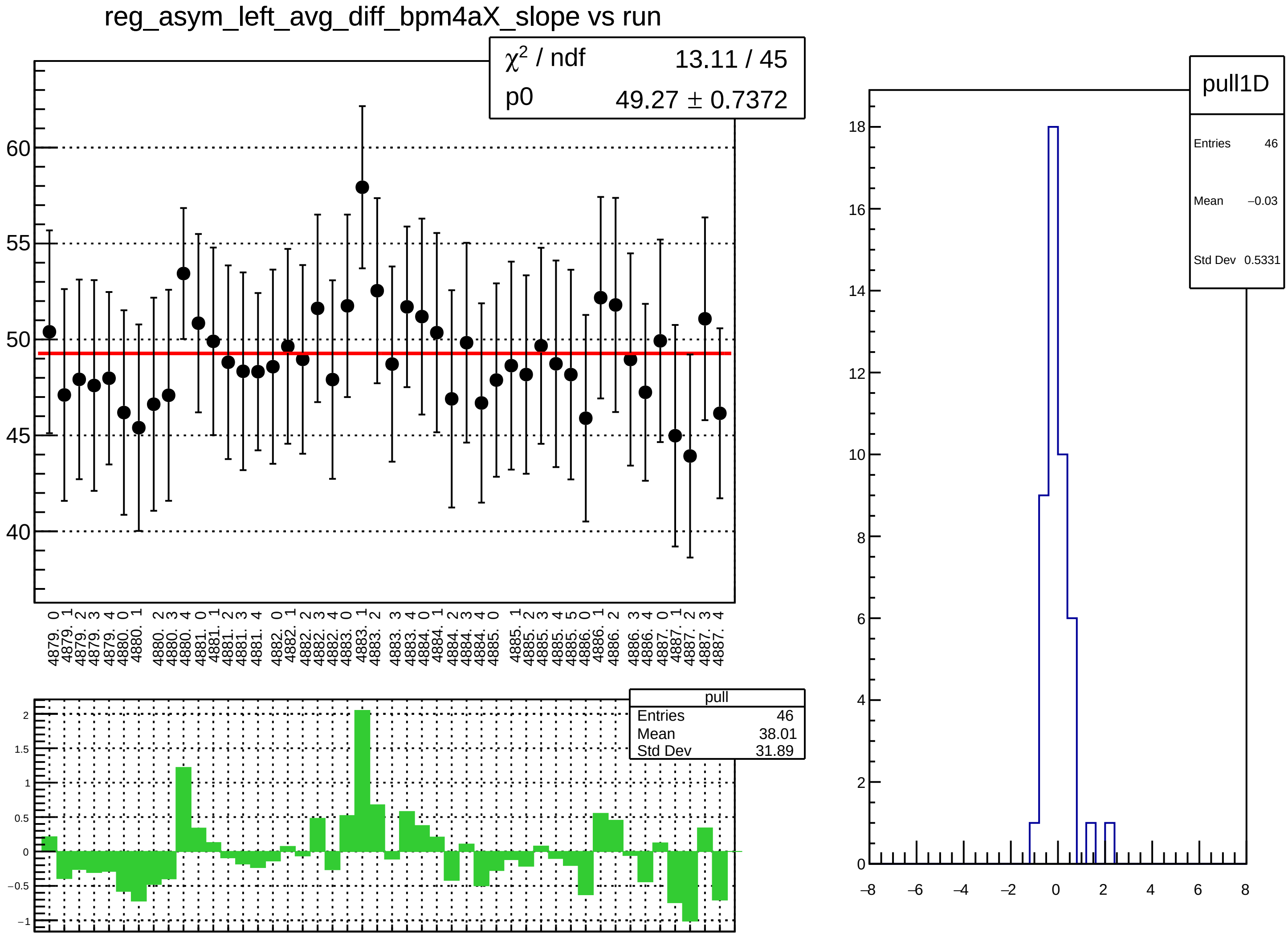
reg_asym_ds_dd_diff_bpm4eY_slope vs run



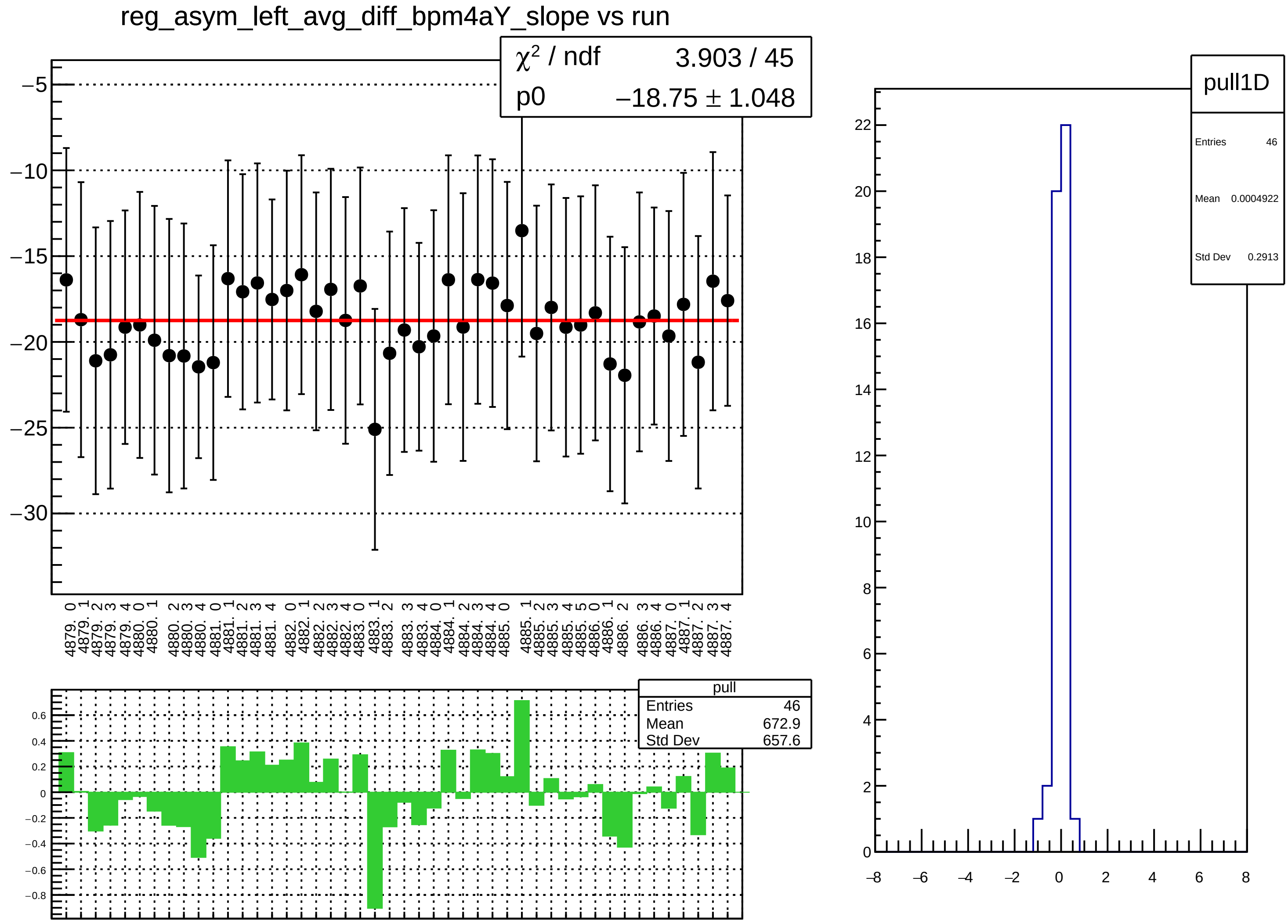




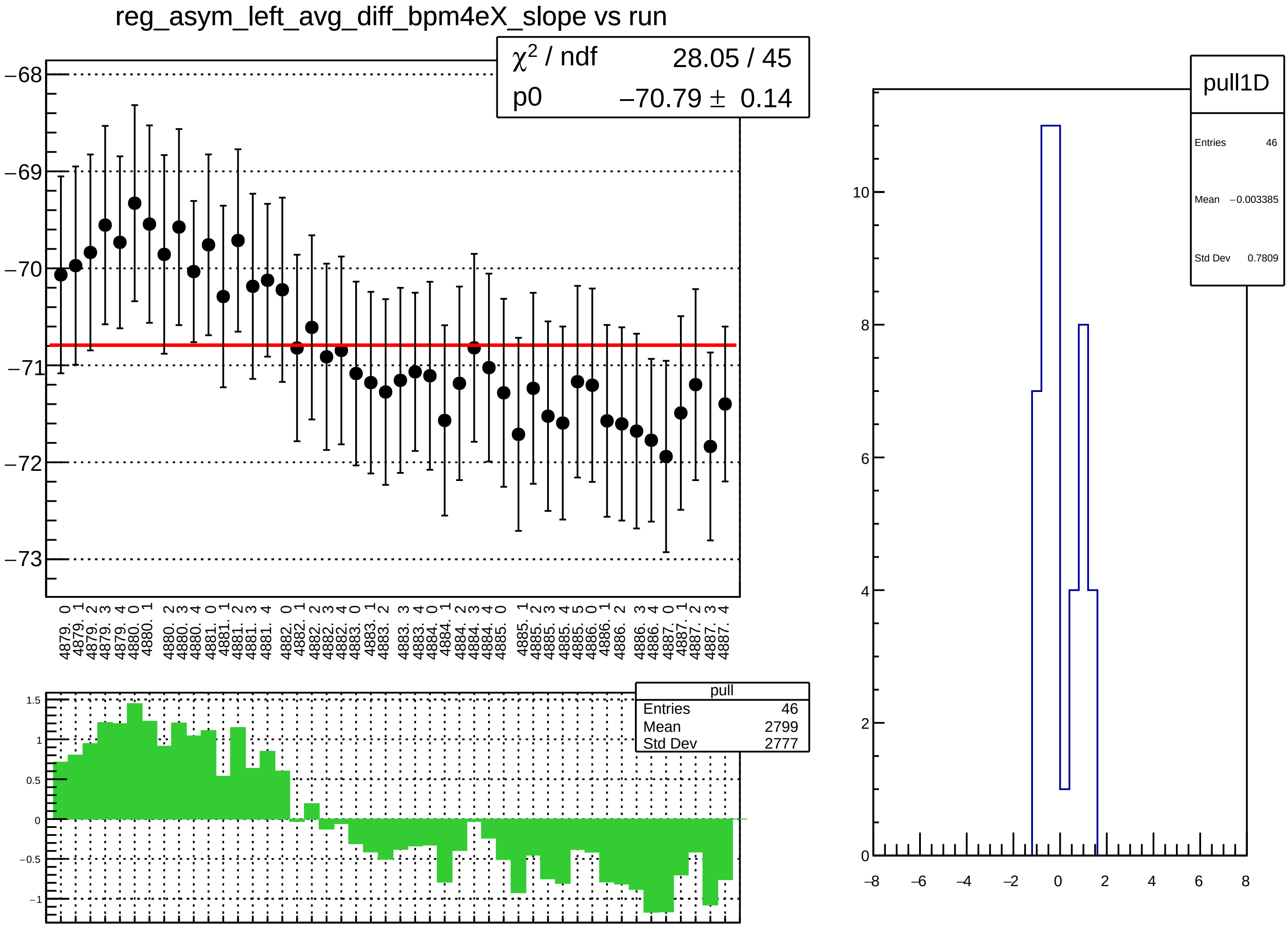
reg_asym_ds_dd_diff_bpm11X_slope vs run
χ2 / ndf 2.64 / 45
p0 9.193 ± 0.1263
pull
Entries 46
Mean 552.5
Std Dev 526.1
pull1D
Entries 46
Mean 0.001465
Std Dev 0.2395



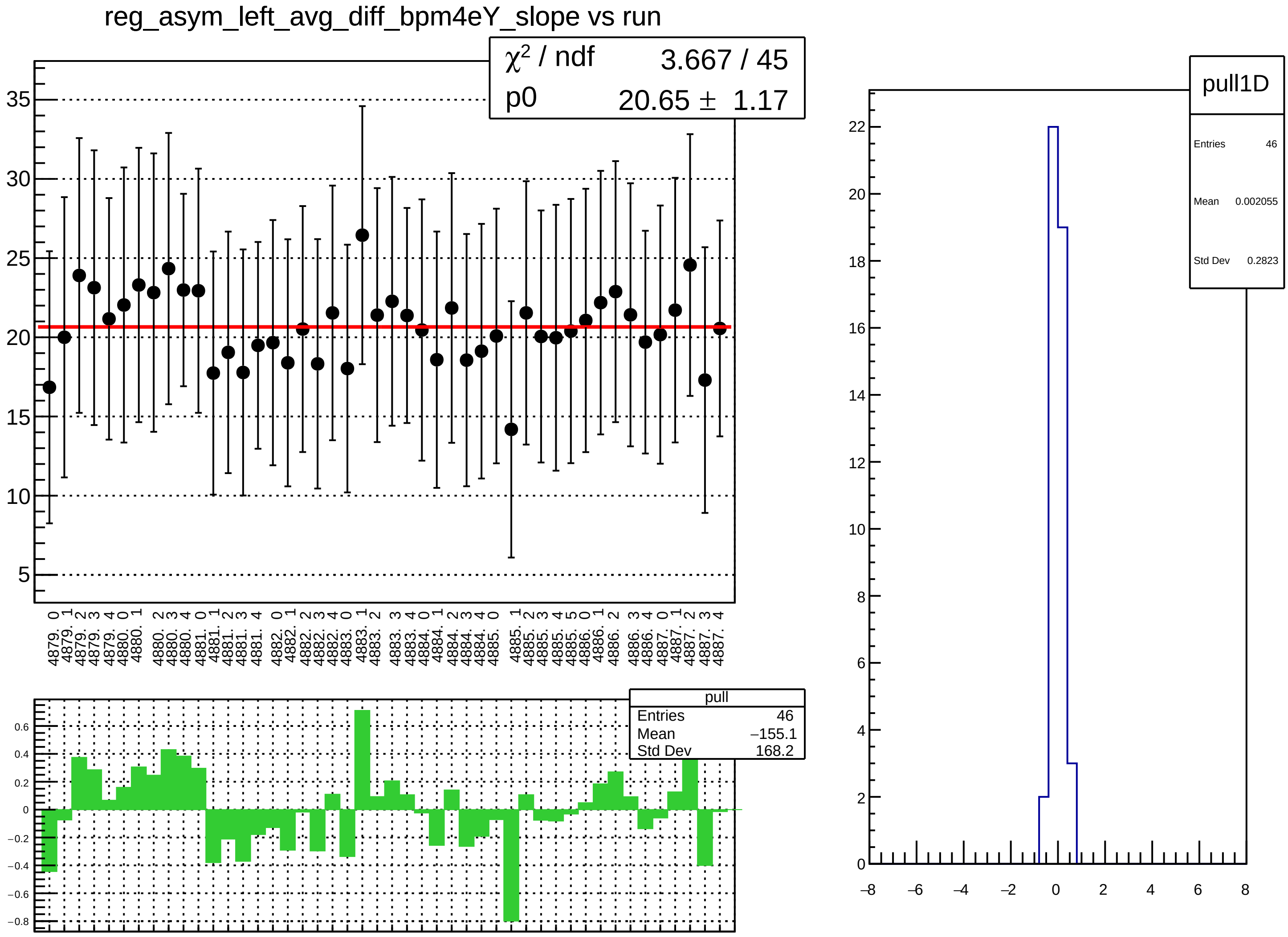
reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 13.11 / 45
p0 49.27 ± 0.7372
pull
Entries 46
Mean 38.01
Std Dev 31.89
pull1D
Entries 46
Mean −0.03
Std Dev 0.5331



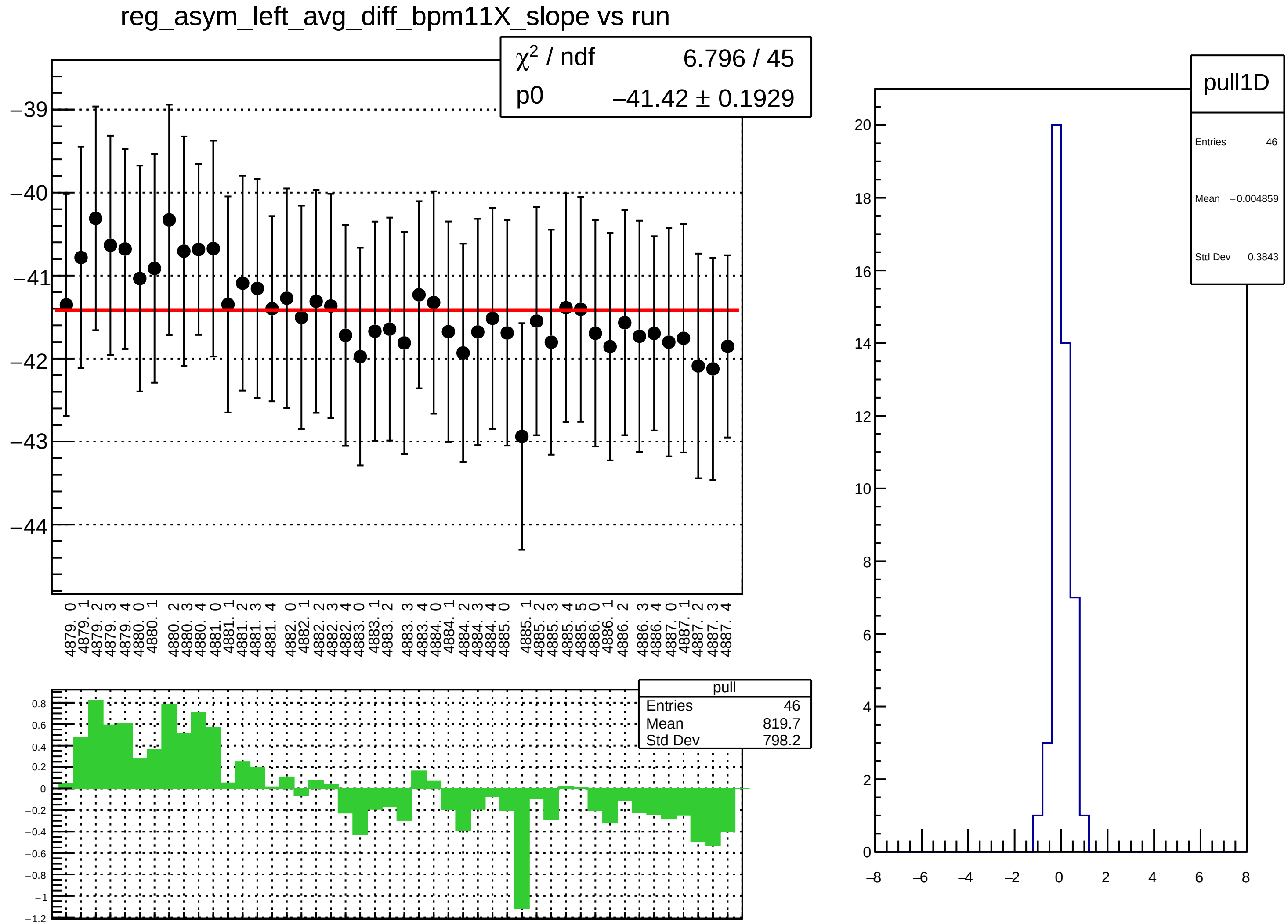
reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 3.903 / 45
p0 −18.75 ± 1.048
pull
Entries 46
Mean 672.9
Std Dev 657.6
pull1D
Entries 46
Mean 0.0004922
Std Dev 0.2913

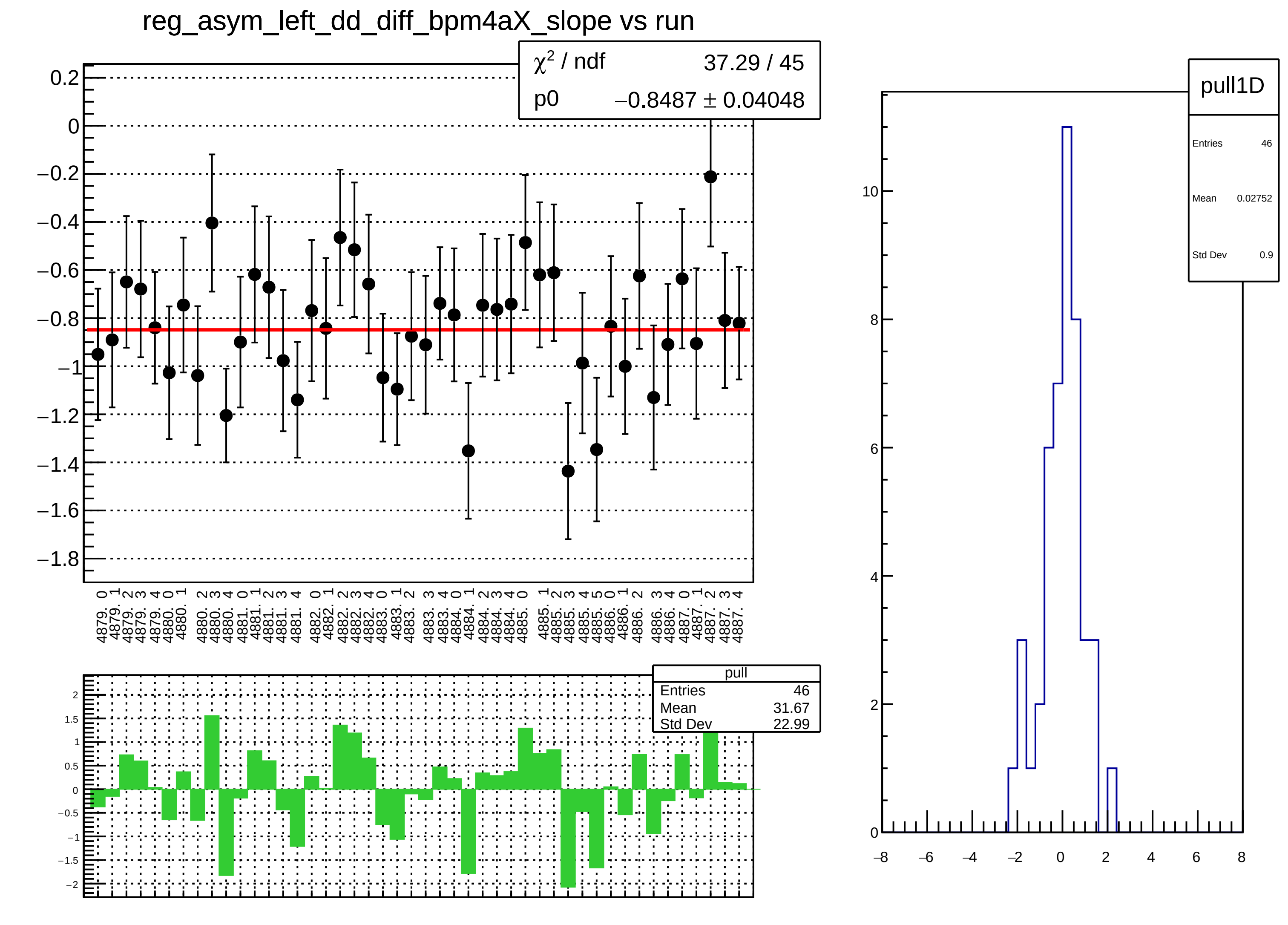


reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.05 / 45
p0 −70.79 ± 0.14
pull
Entries 46
Mean 2799
Std Dev 2777
pull1D
Entries 46
Mean −0.003385
Std Dev 0.7809

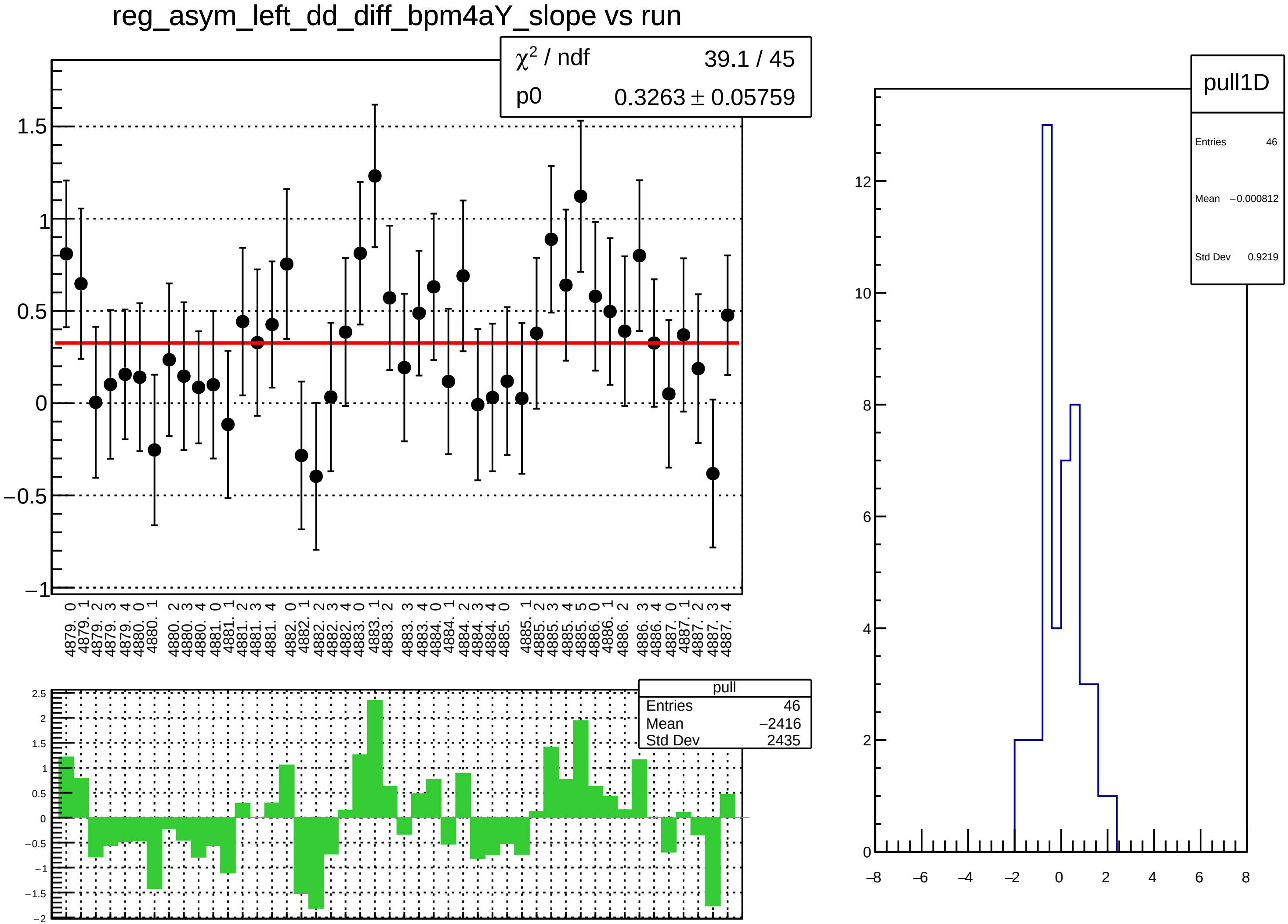


reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.667 / 45
p0 20.65 ± 1.17
pull
Entries 46
Mean −155.1
Std Dev 168.2
pull1D
Entries 46
Mean 0.002055
Std Dev 0.2823

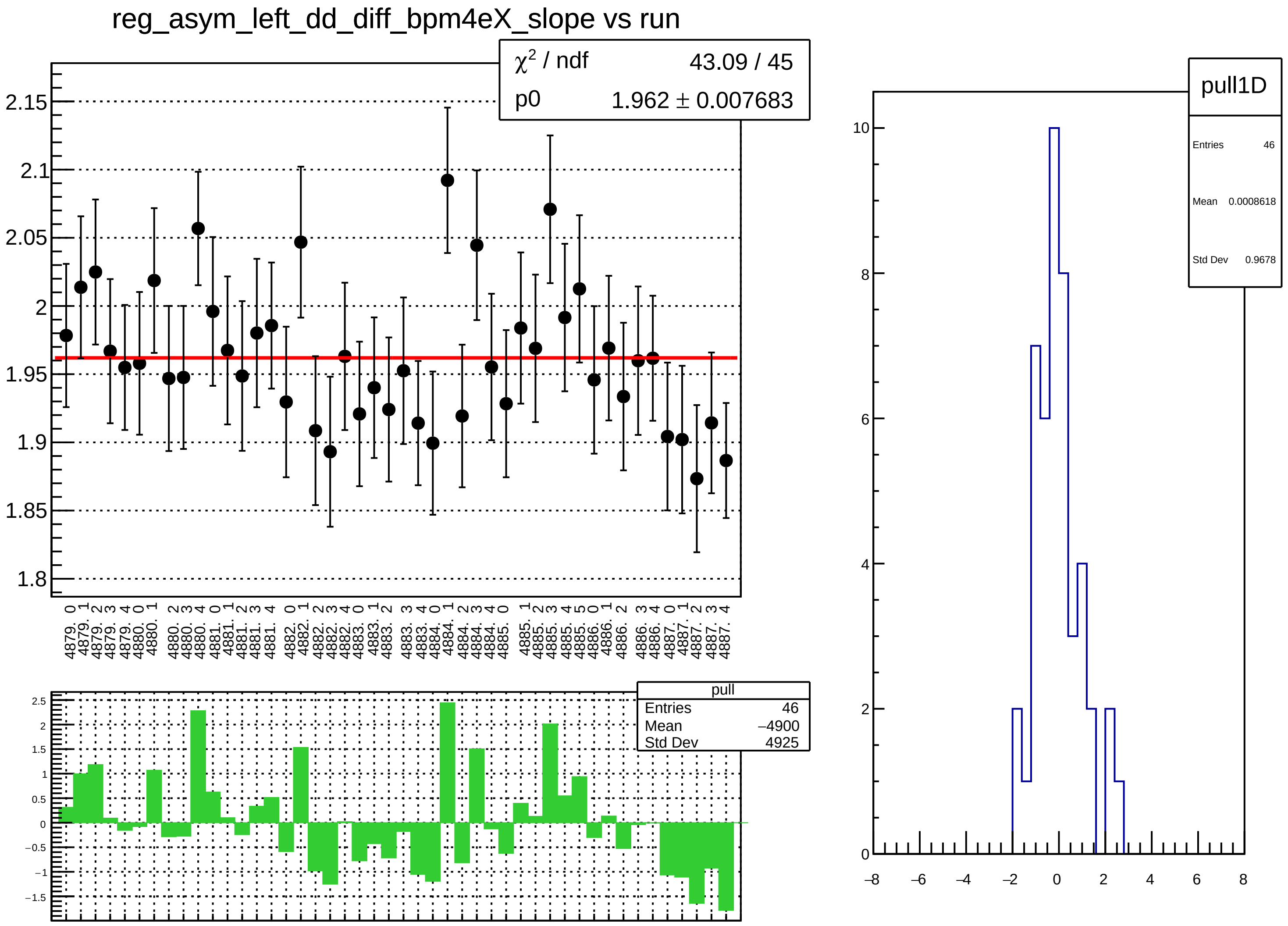

reg_asym_left_avg_diff_bpm11X_slope vs run
χ^2 / ndf 6.796 / 45
p0 −41.42 ± 0.1929
pull
Entries 46
Mean 819.7
Std Dev 798.2
pull1D
Entries 46
Mean −0.004859
Std Dev 0.3843



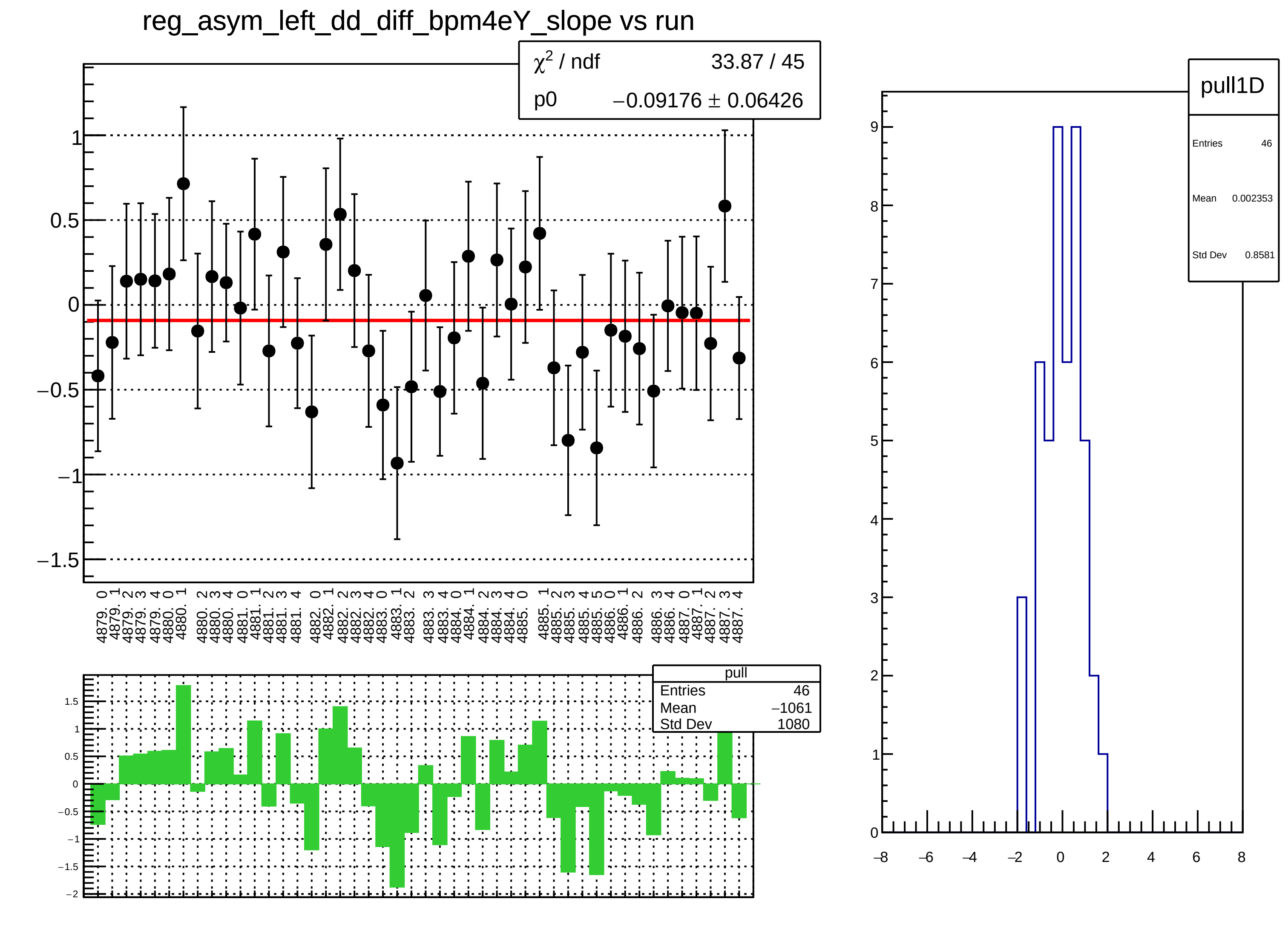
reg_asym_left_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 37.29 / 45
p0 −0.8487 ± 0.04048
pull
Entries 46
Mean 31.67
Std Dev 22.99
pull1D
Entries 46
Mean 0.02752
Std Dev 0.9



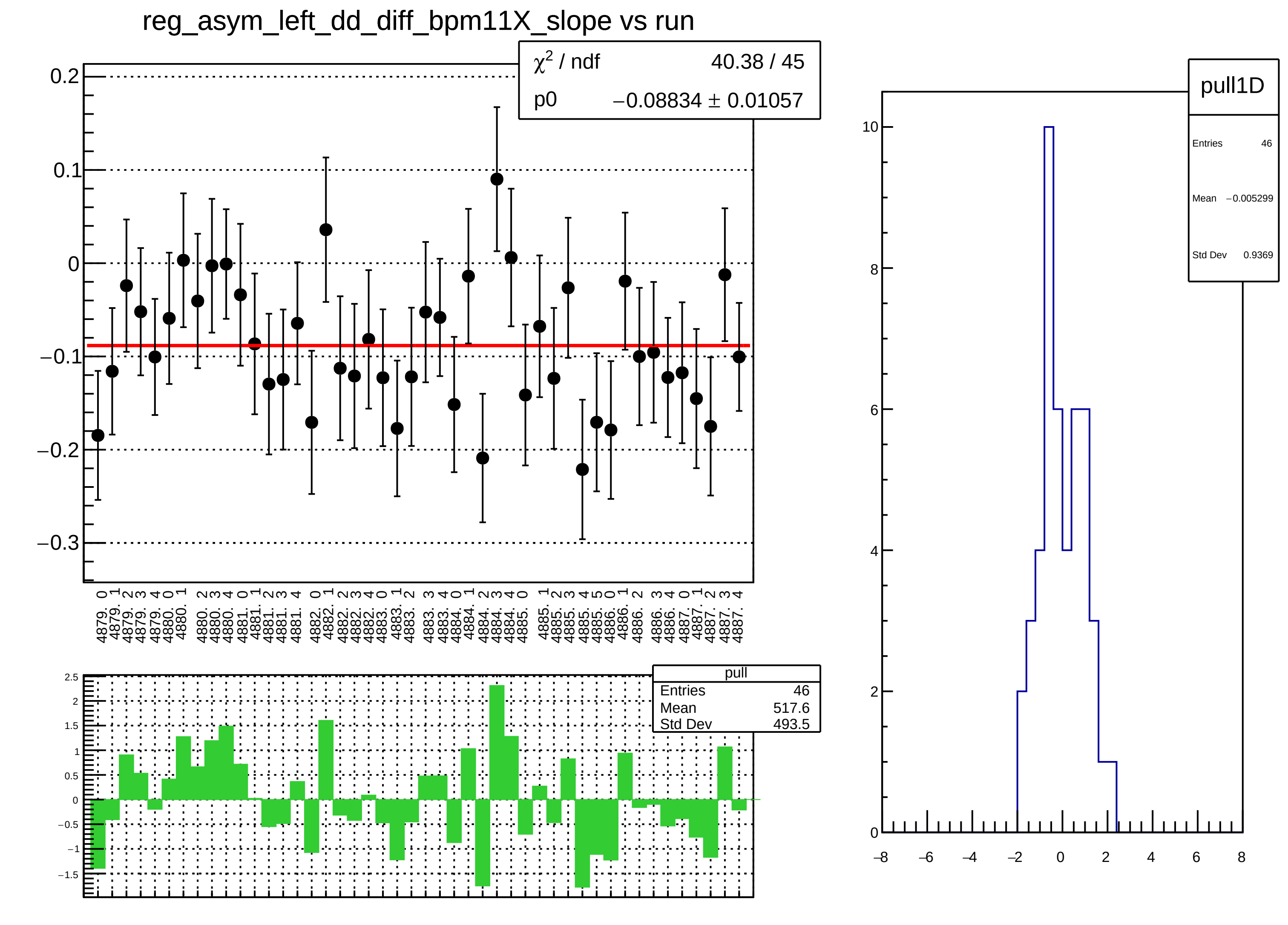
reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 39.1 / 45
p0 0.3263 ± 0.05759
pull
Entries 46
Mean −2416
Std Dev 2435
pull1D
Entries 46
Mean −0.000812
Std Dev 0.9219



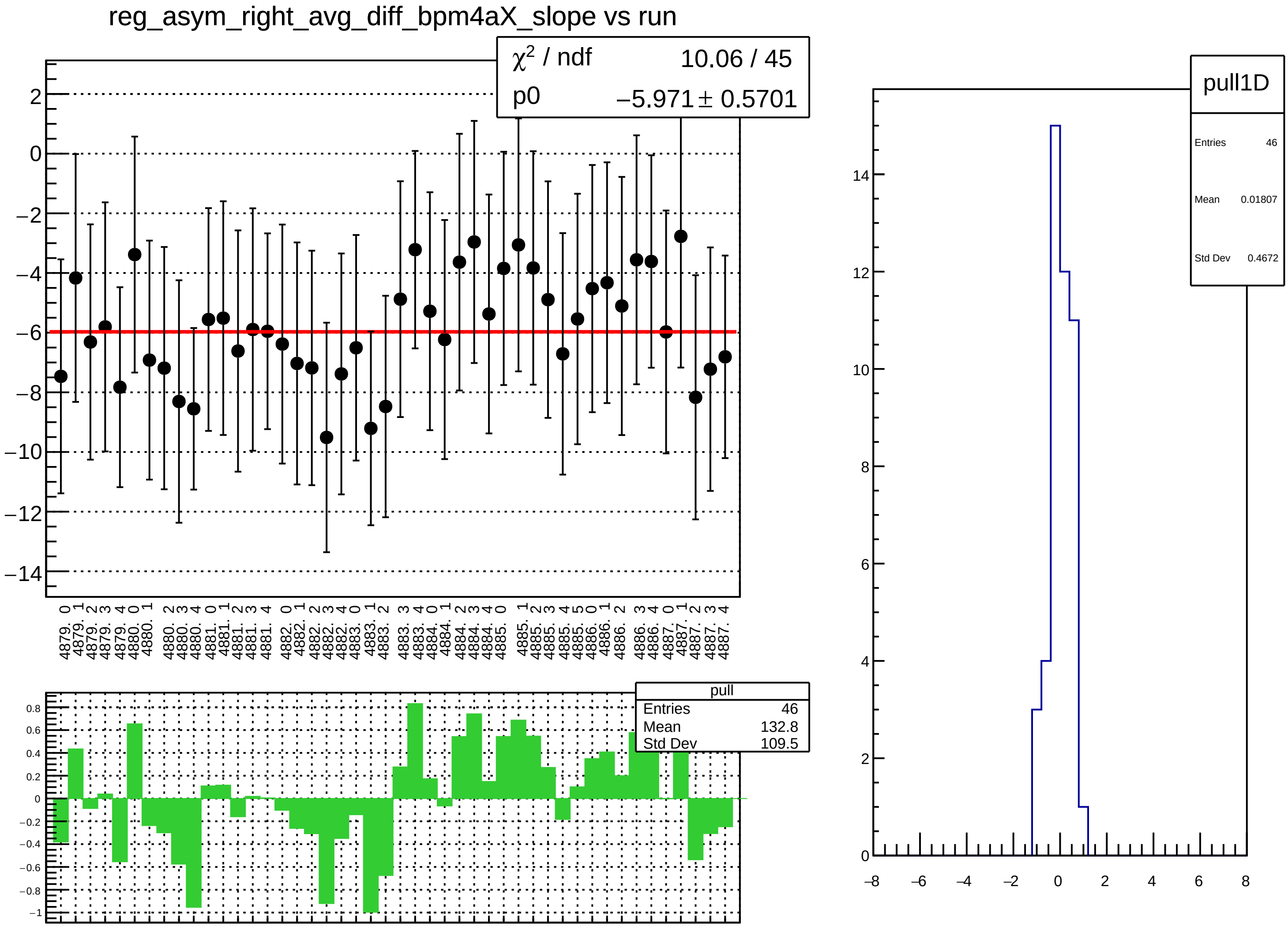
reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 43.09 / 45
p0 1.962 ± 0.007683
pull
Entries 46
Mean −4900
Std Dev 4925
pull1D
Entries 46
Mean 0.0008618
Std Dev 0.9678



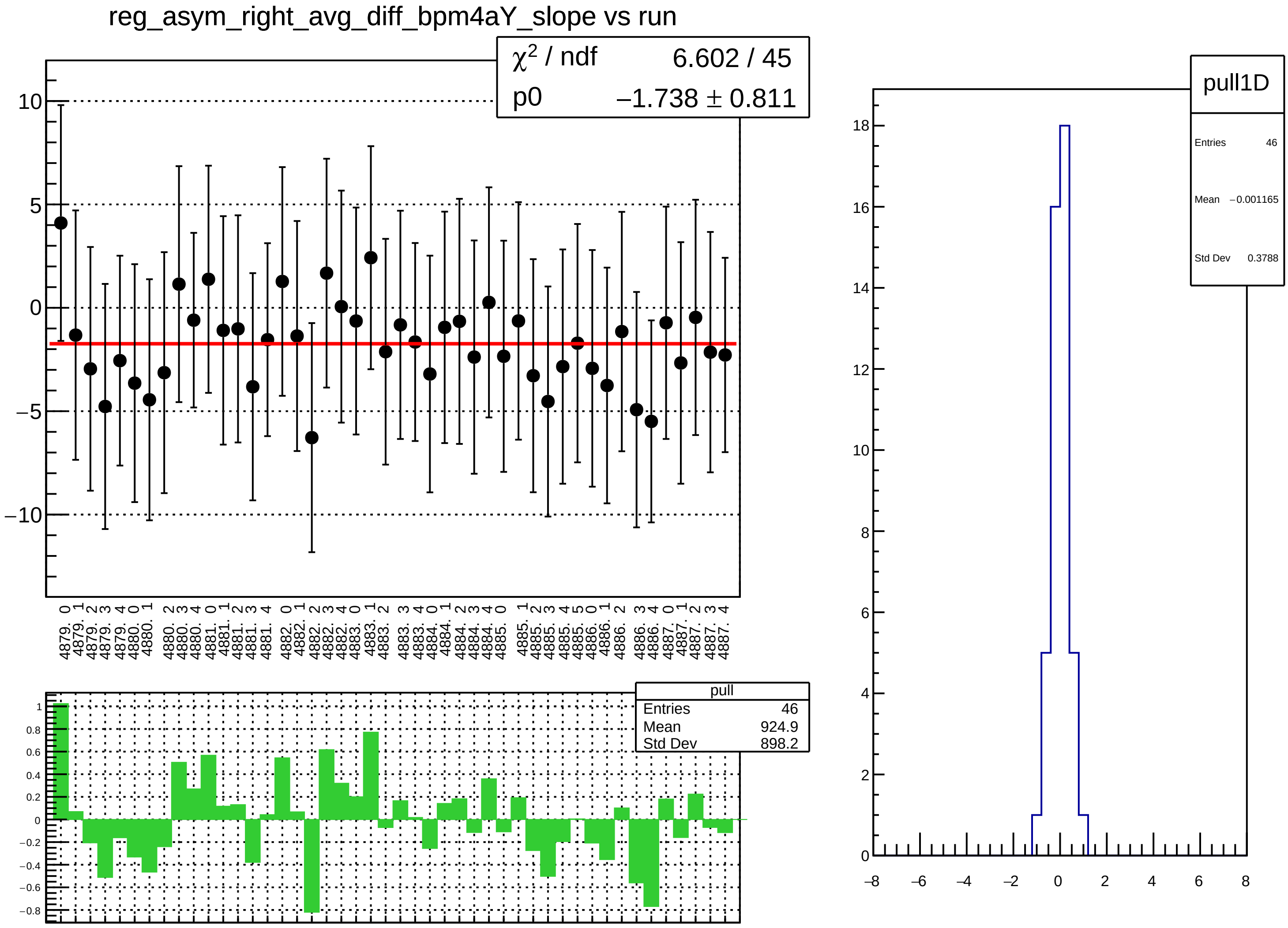
reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 33.87 / 45
p0 −0.09176 ± 0.06426
pull
Entries 46
Mean −1061
Std Dev 1080
pull1D
Entries 46
Mean 0.002353
Std Dev 0.8581



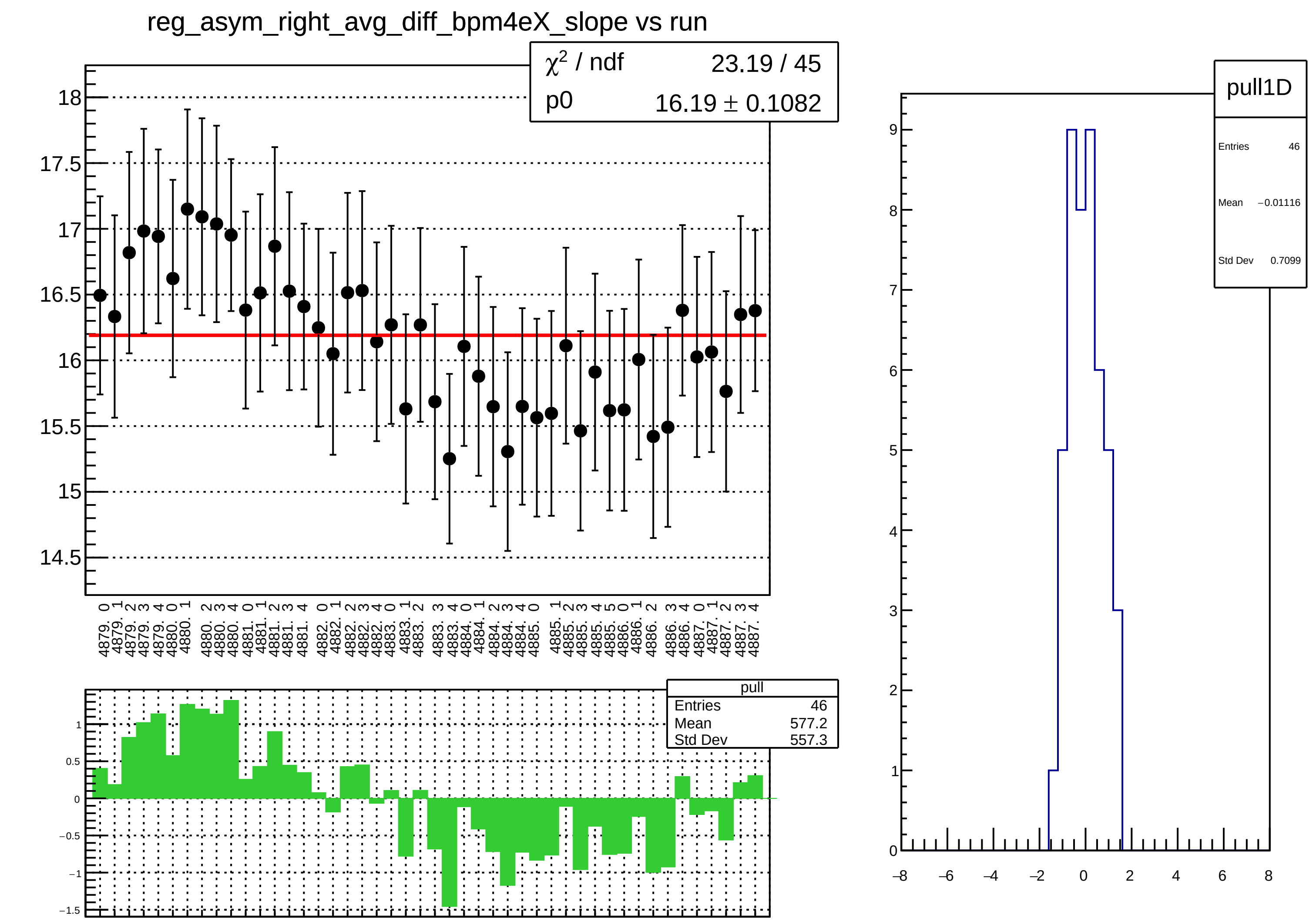
reg_asym_left_dd_diff_bpm11X_slope vs run
χ^2 / ndf 40.38 / 45
p0 −0.08834 ± 0.01057
pull
Entries 46
Mean 517.6
Std Dev 493.5
pull1D
Entries 46
Mean −0.005299
Std Dev 0.9369



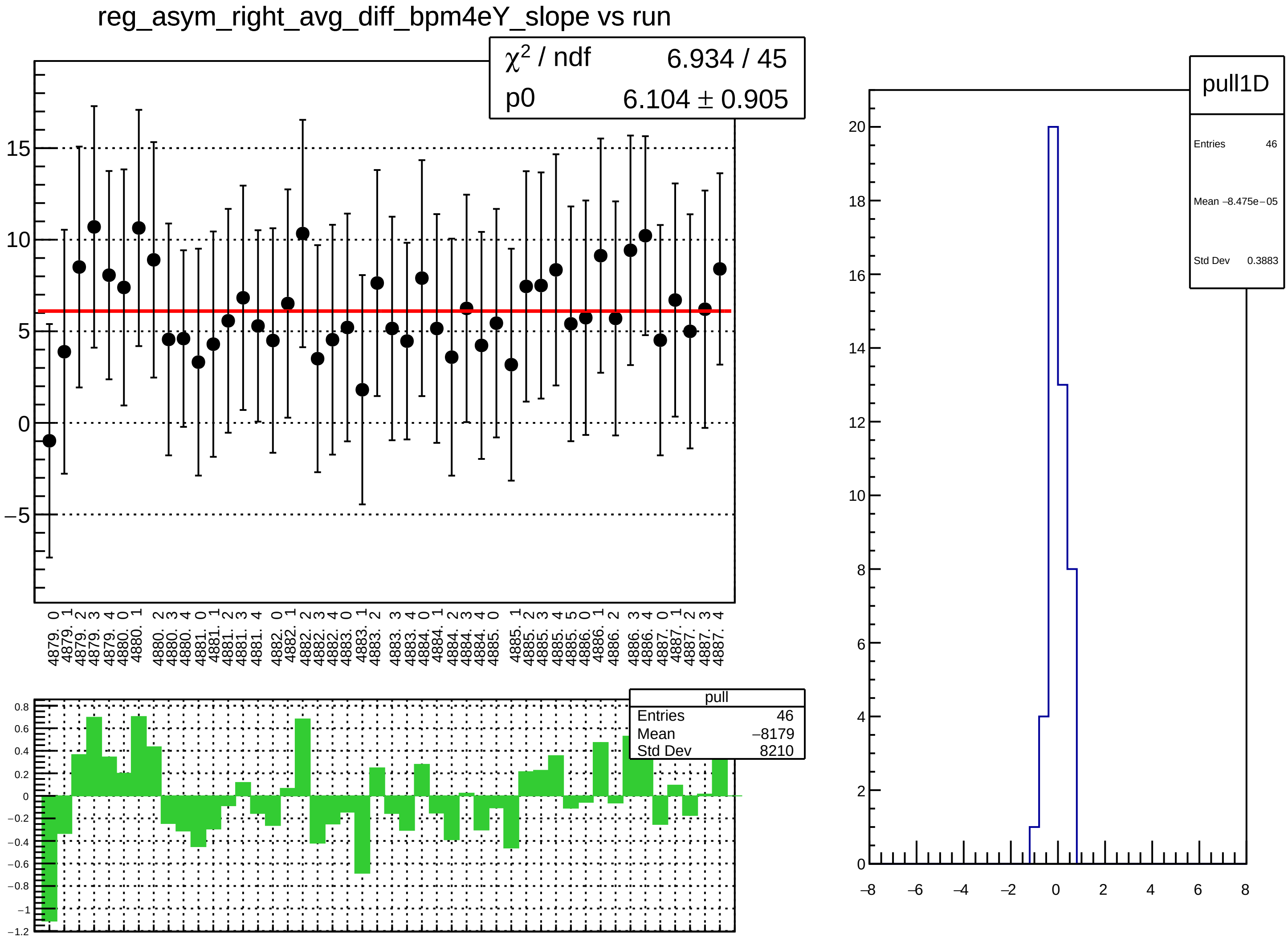
reg_asym_right_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 10.06 / 45
p0 −5.971 ± 0.5701
pull
Entries 46
Mean 132.8
Std Dev 109.5
pull1D
Entries 46
Mean 0.01807
Std Dev 0.4672



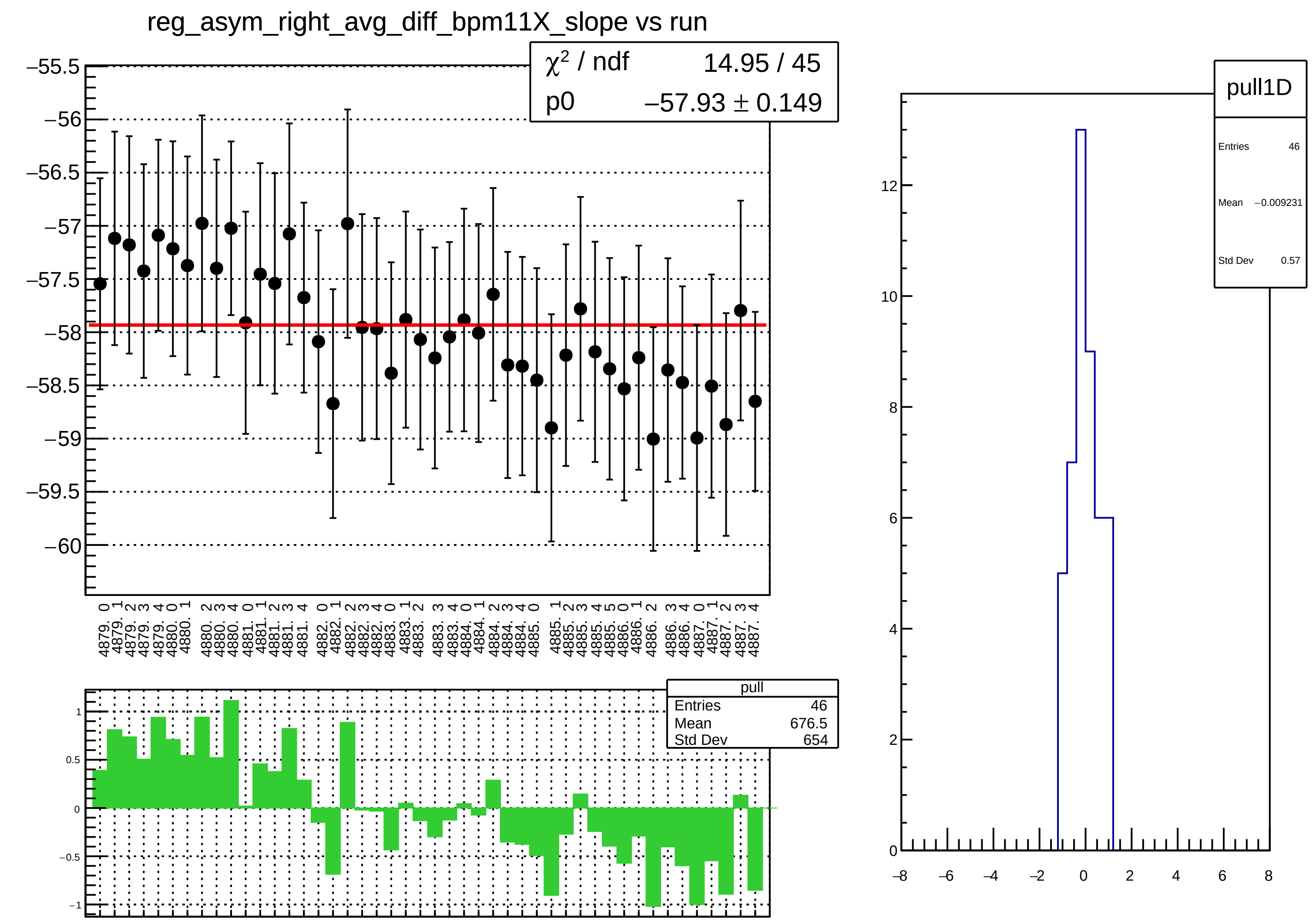
reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.602 / 45
p0 −1.738 ± 0.811
pull
Entries 46
Mean 924.9
Std Dev 898.2
pull1D
Entries 46
Mean −0.001165
Std Dev 0.3788

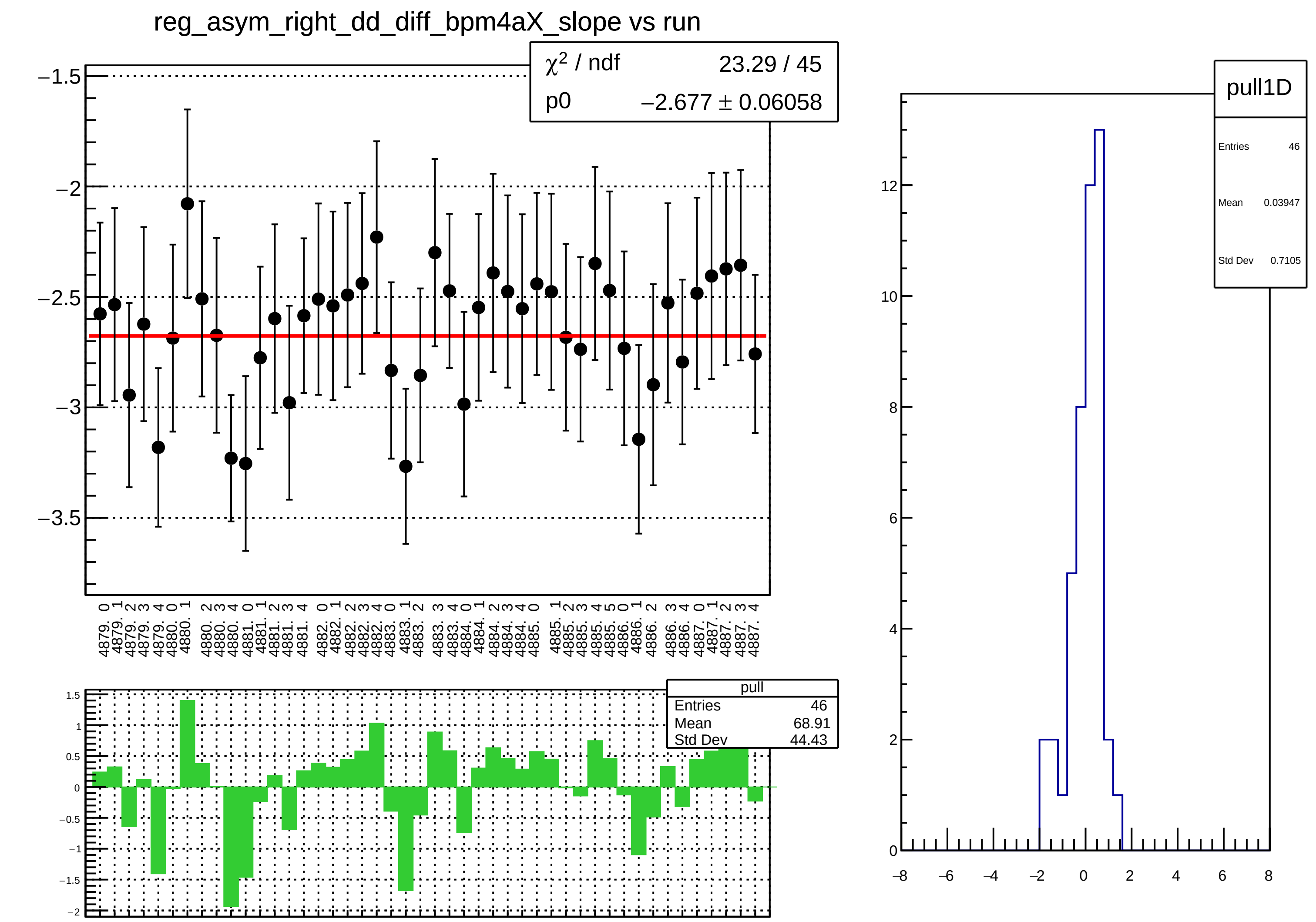


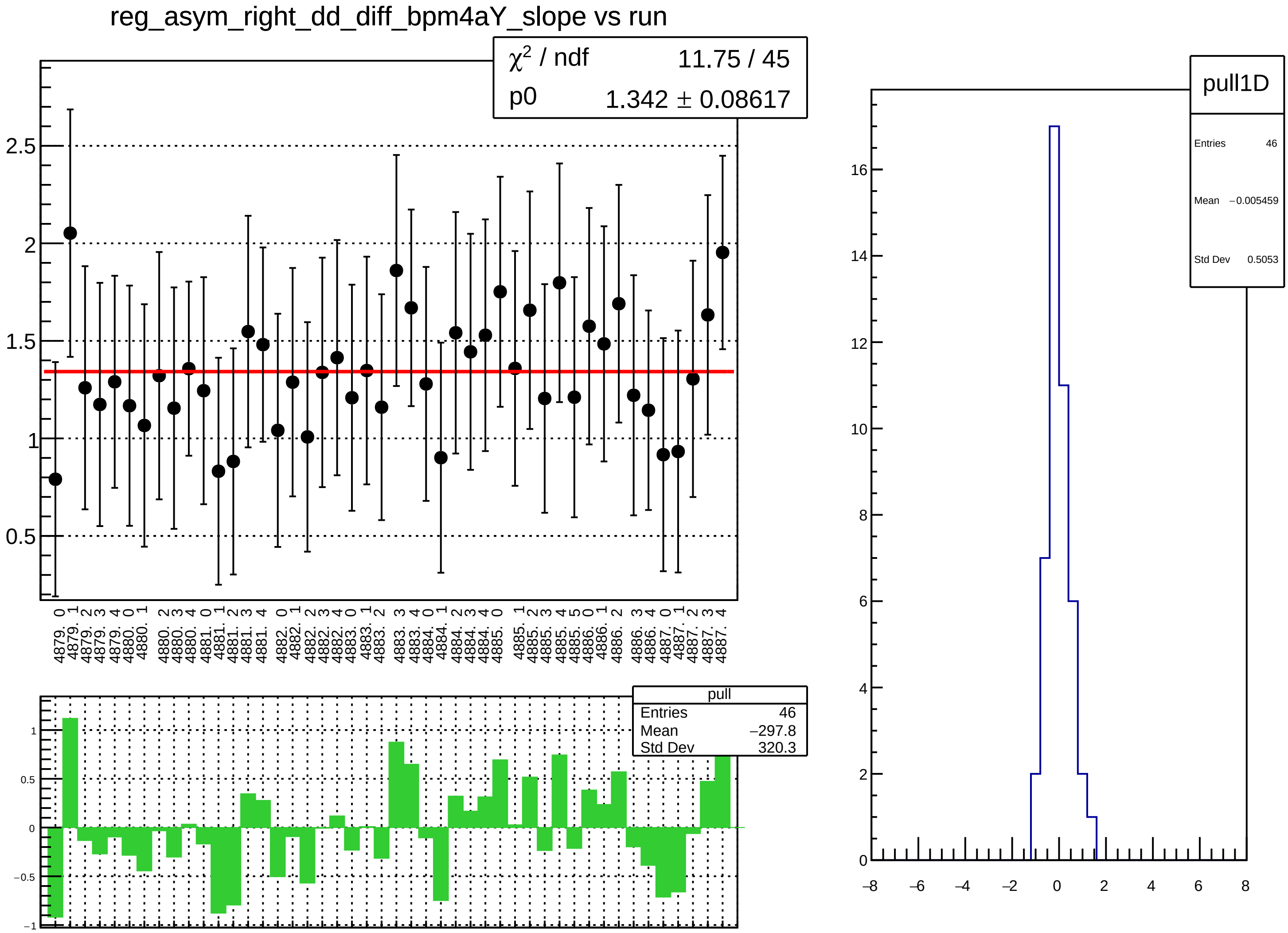
reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 23.19 / 45
p0 16.19 ± 0.1082
pull
Entries 46
Mean 577.2
Std Dev 557.3
pull1D
Entries 46
Mean −0.01116
Std Dev 0.7099

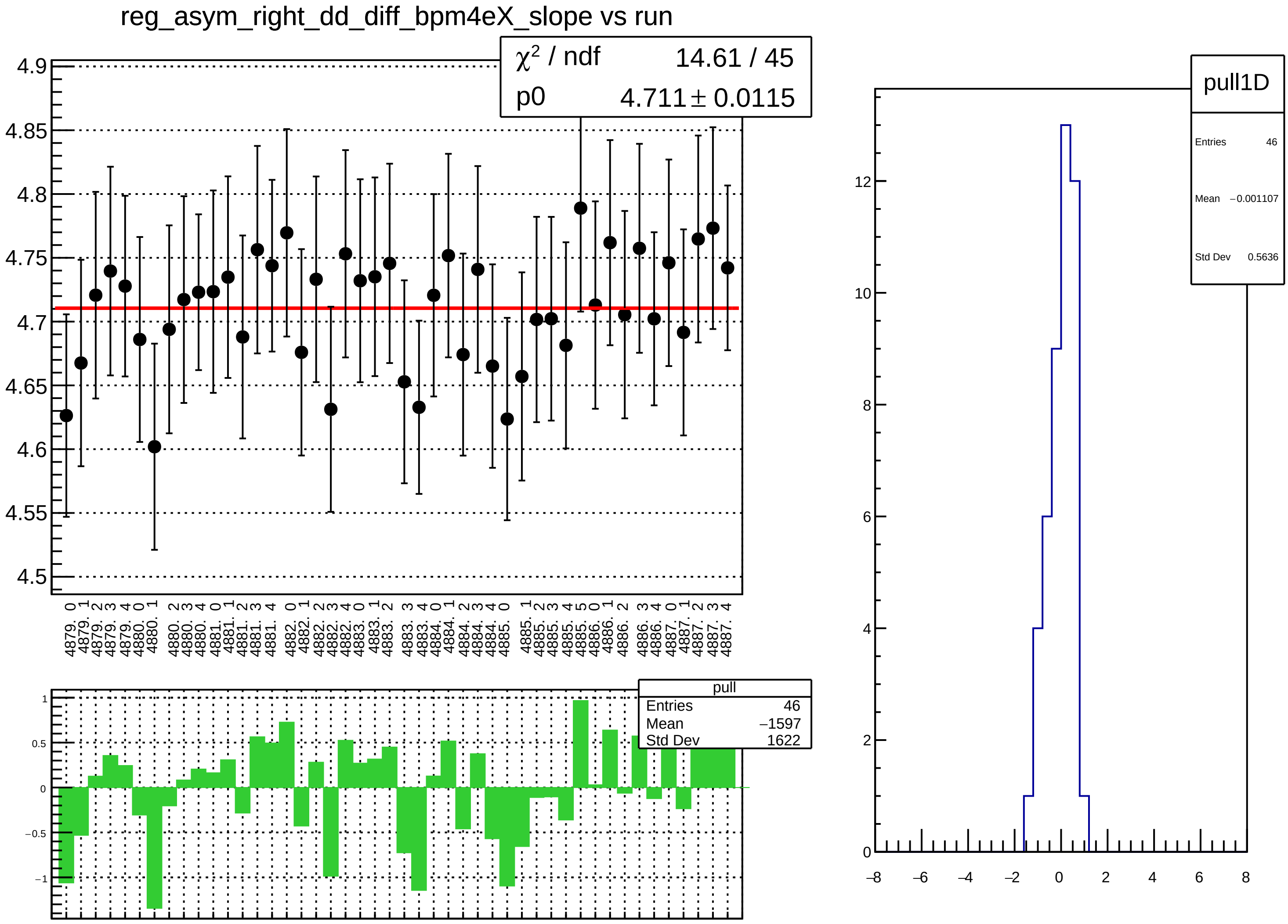


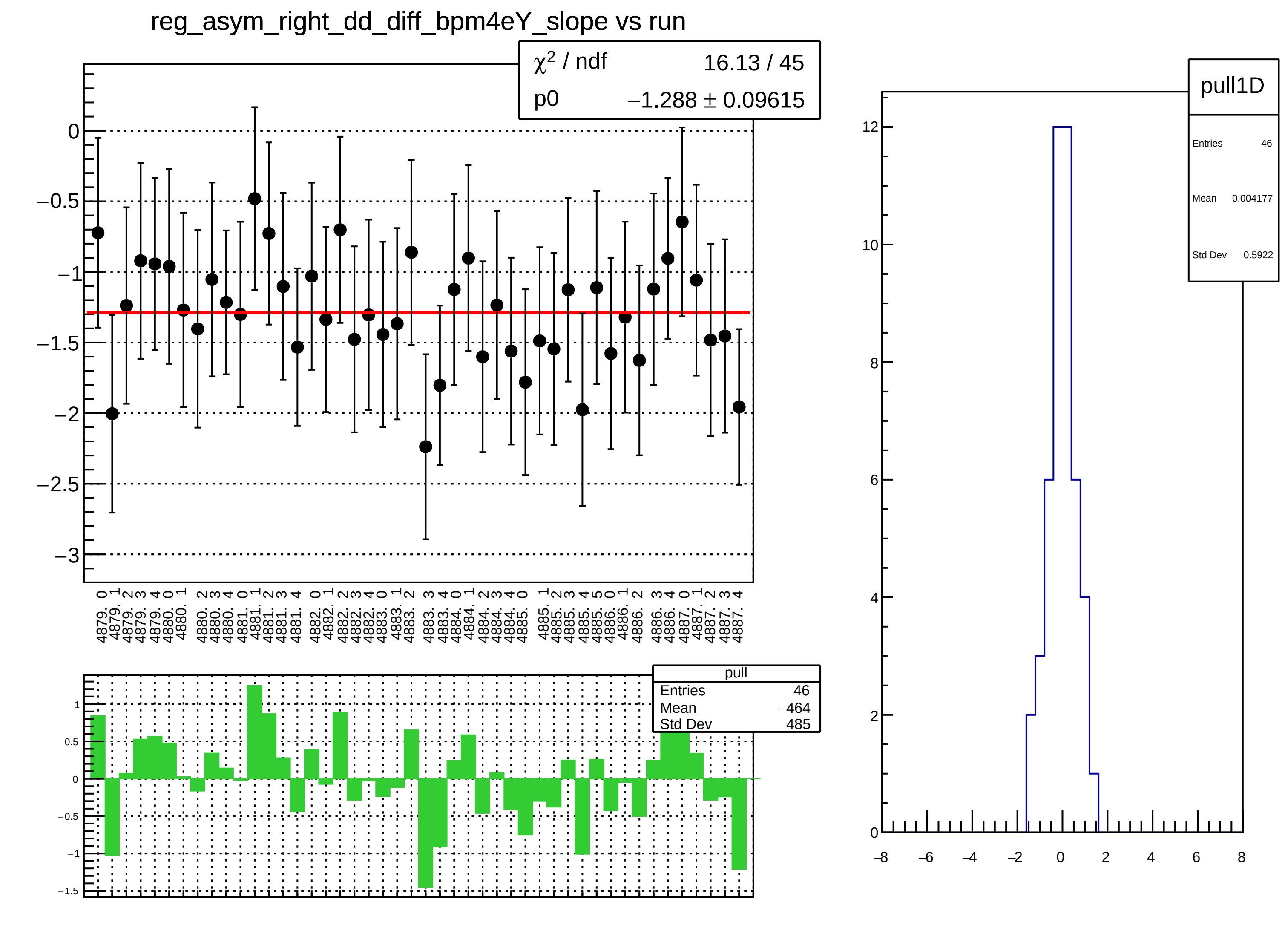
reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 6.934 / 45
p0 6.104 ± 0.905
pull
Entries 46
Mean −8179
Std Dev 8210
pull1D
Entries 46
Mean −8.475e−05
Std Dev 0.3883


reg_asym_right_avg_diff_bpm11X_slope vs run
χ^2 / ndf 14.95 / 45
p0 −57.93 ± 0.149
pull
Entries 46
Mean 676.5
Std Dev 654
pull1D
Entries 46
Mean −0.009231
Std Dev 0.57

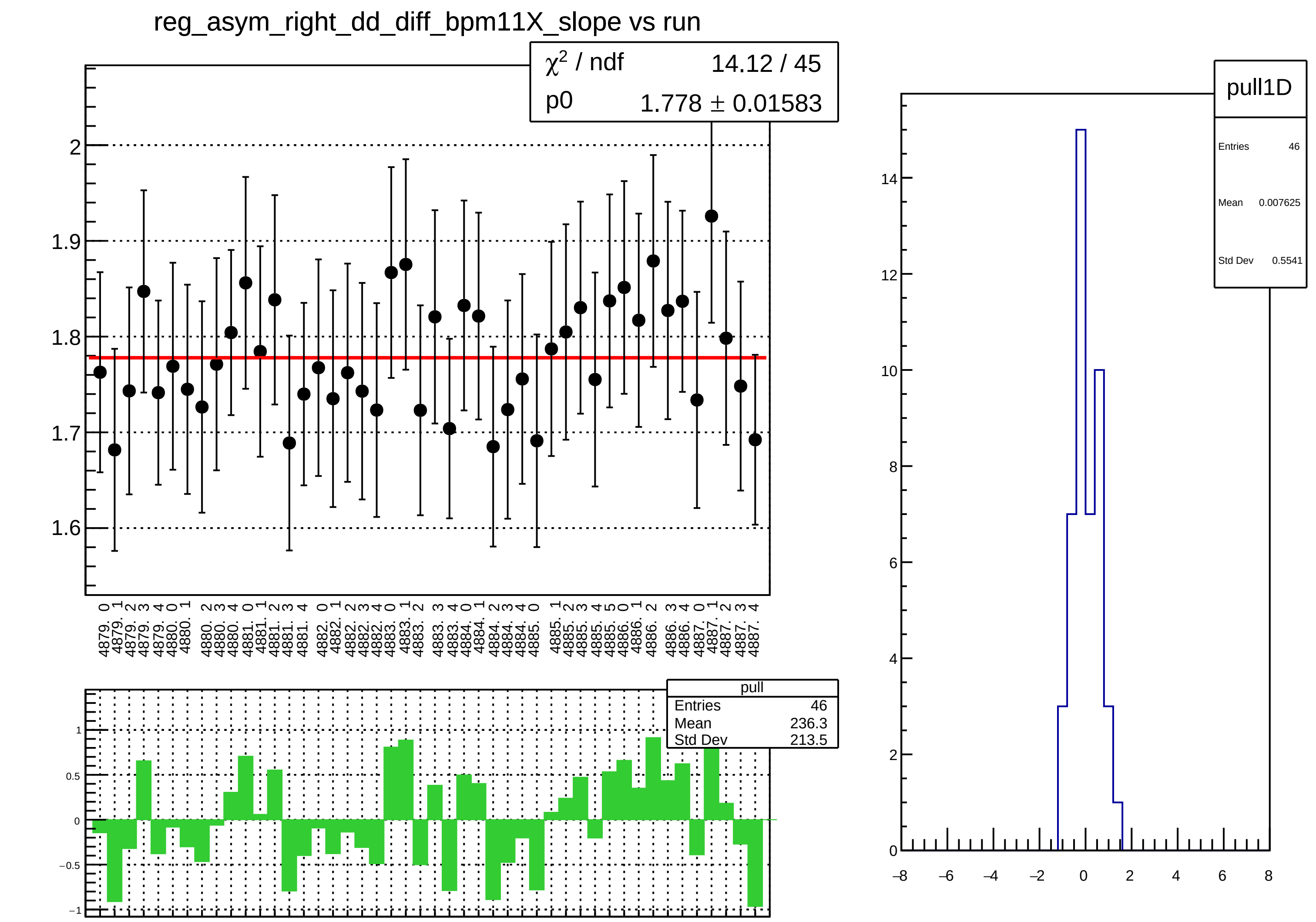

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ2 / ndf 23.29 / 45
p0 −2.677 ± 0.06058
pull
Entries 46
Mean 68.91
Std Dev 44.43
pull1D
Entries 46
Mean 0.03947
Std Dev 0.7105

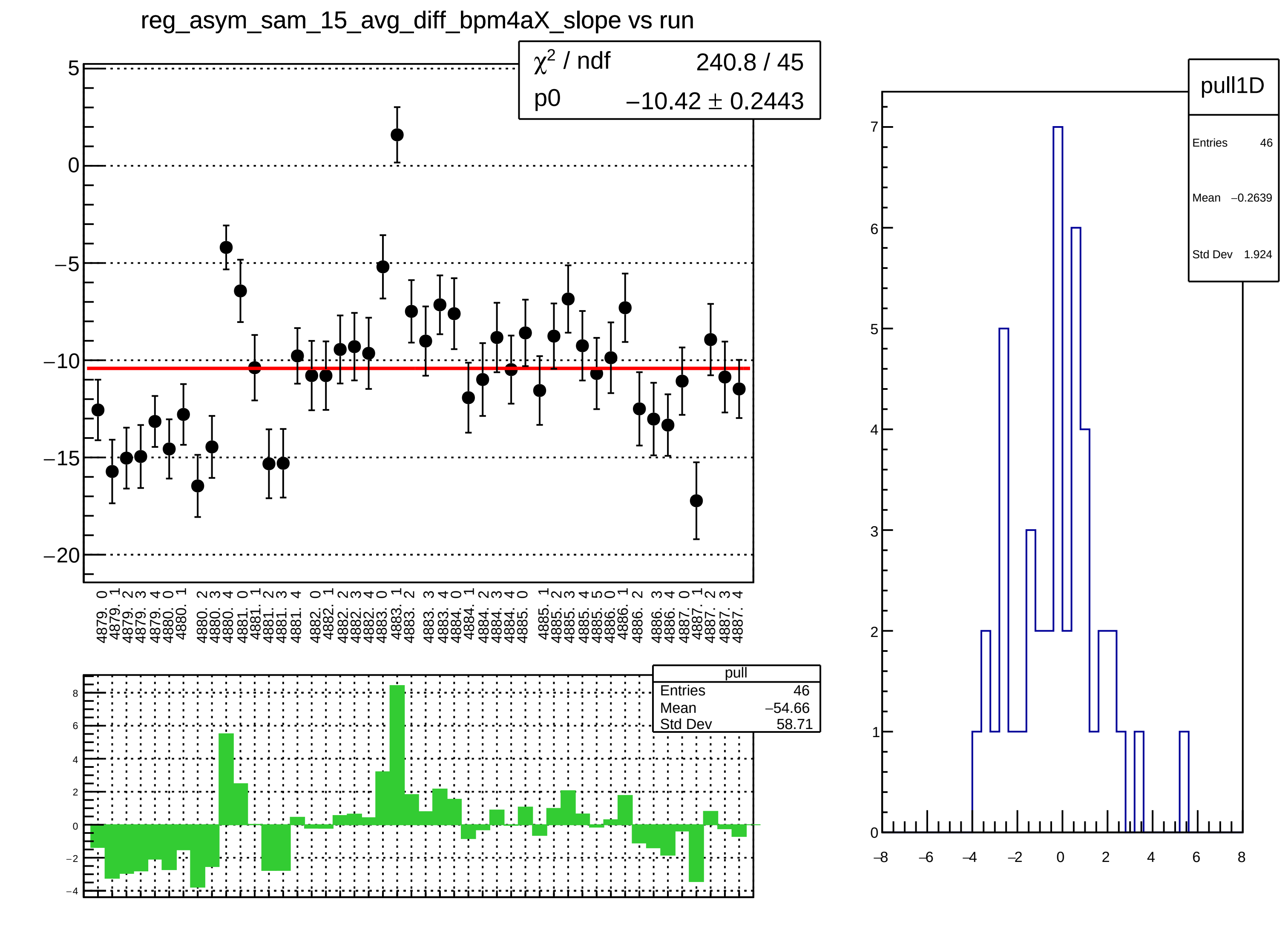

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.75 / 45
p0 1.342 ± 0.08617
pull
Entries 46
Mean −297.8
Std Dev 320.3
pull1D
Entries 46
Mean −0.005459
Std Dev 0.5053


reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.61 / 45
p0 4.711 ± 0.0115
pull
Entries 46
Mean −1597
Std Dev 1622
pull1D
Entries 46
Mean −0.001107
Std Dev 0.5636

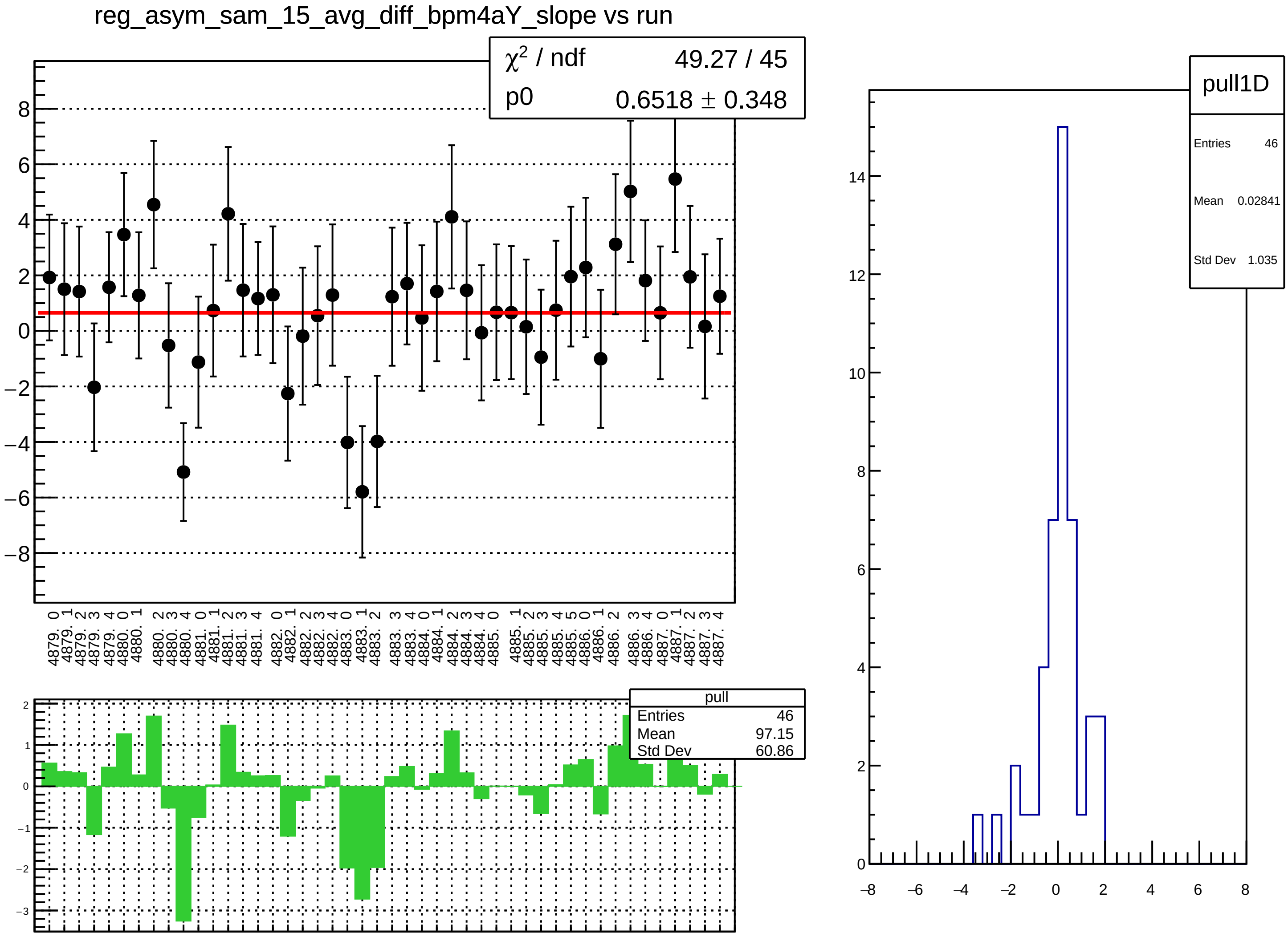


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ2 / ndf 16.13 / 45
p0 −1.288 ± 0.09615
pull
Entries 46
Mean −464
Std Dev 485
pull1D
Entries 46
Mean 0.004177
Std Dev 0.5922


reg_asym_right_dd_diff_bpm11X_slope vs run
χ2 / ndf 14.12 / 45
p0 1.778 ± 0.01583
pull
Entries 46
Mean 236.3
Std Dev 213.5
pull1D
Entries 46
Mean 0.007625
Std Dev 0.5541

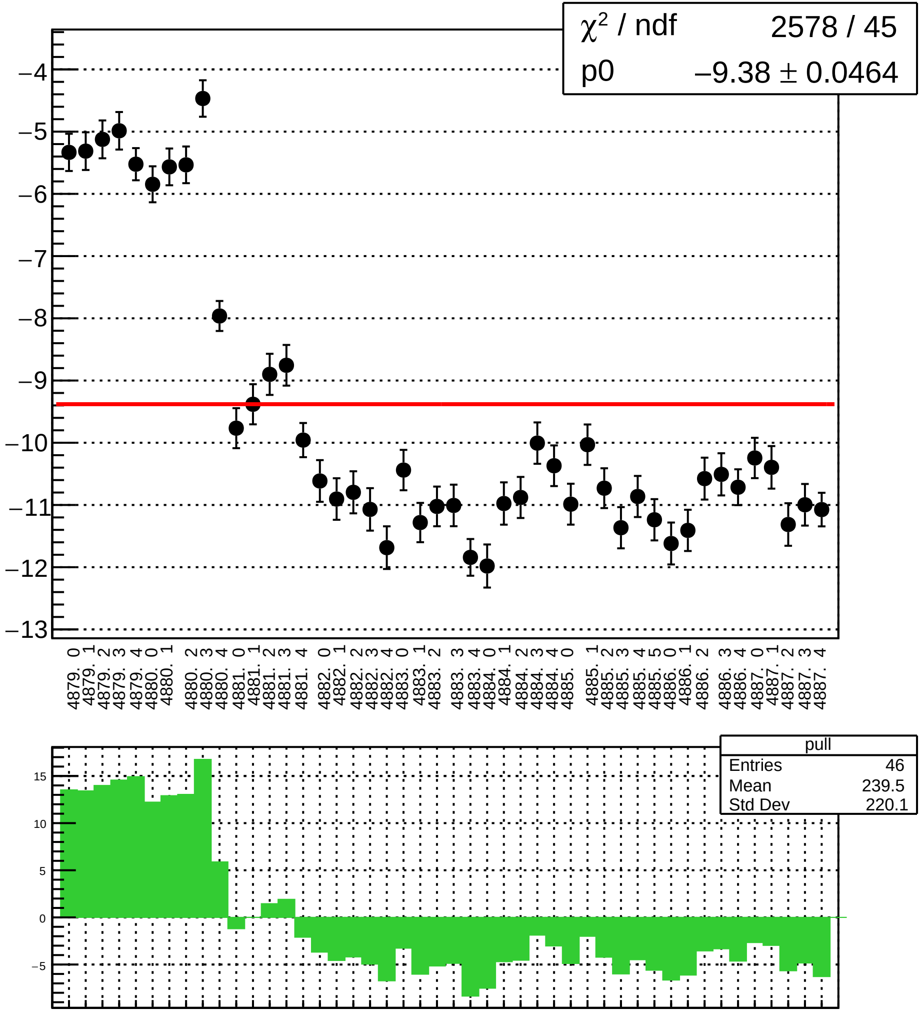


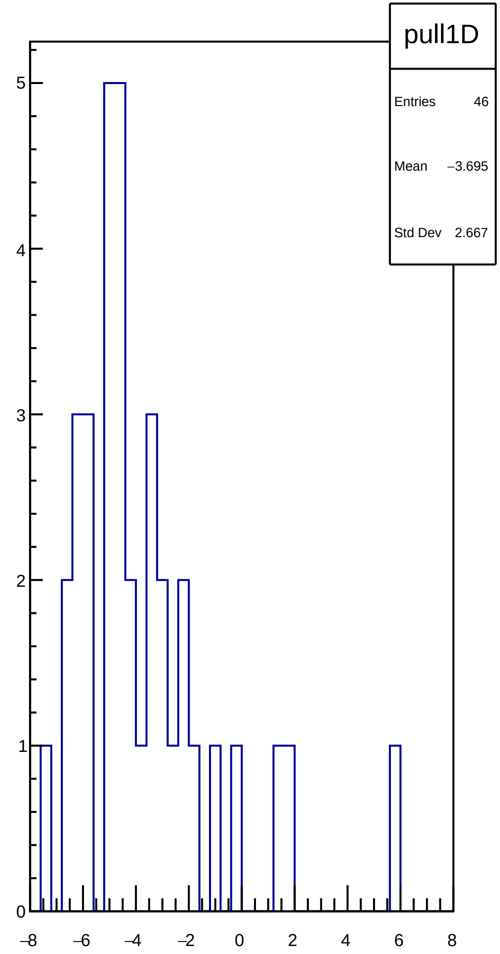
reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 240.8 / 45
p0 −10.42 ± 0.2443
pull
Entries 46
Mean −54.66
Std Dev 58.71
pull1D
Entries 46
Mean −0.2639
Std Dev 1.924

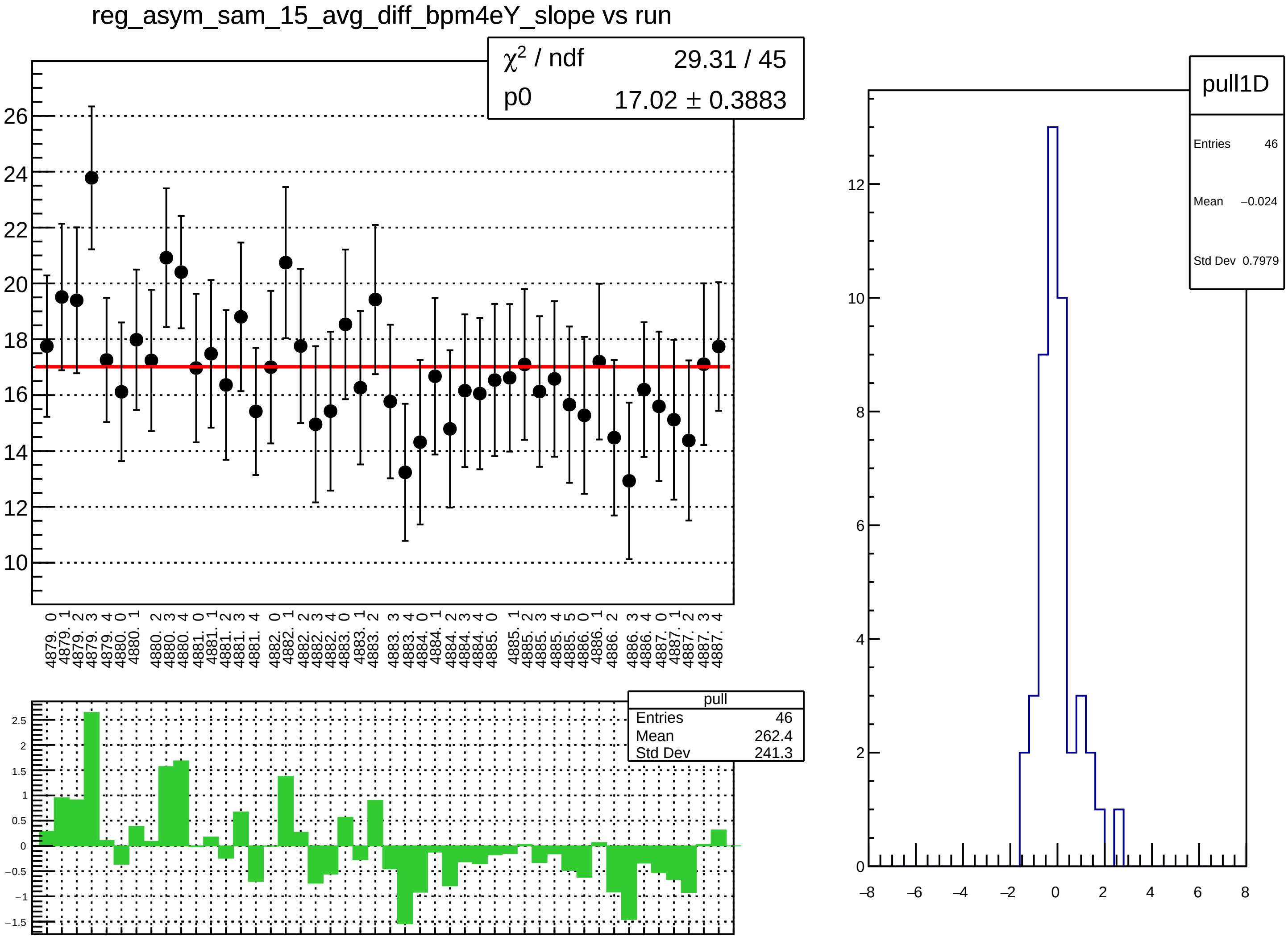


reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 49.27 / 45
p0 0.6518 ± 0.348
pull
Entries 46
Mean 97.15
Std Dev 60.86
pull1D
Entries 46
Mean 0.02841
Std Dev 1.035

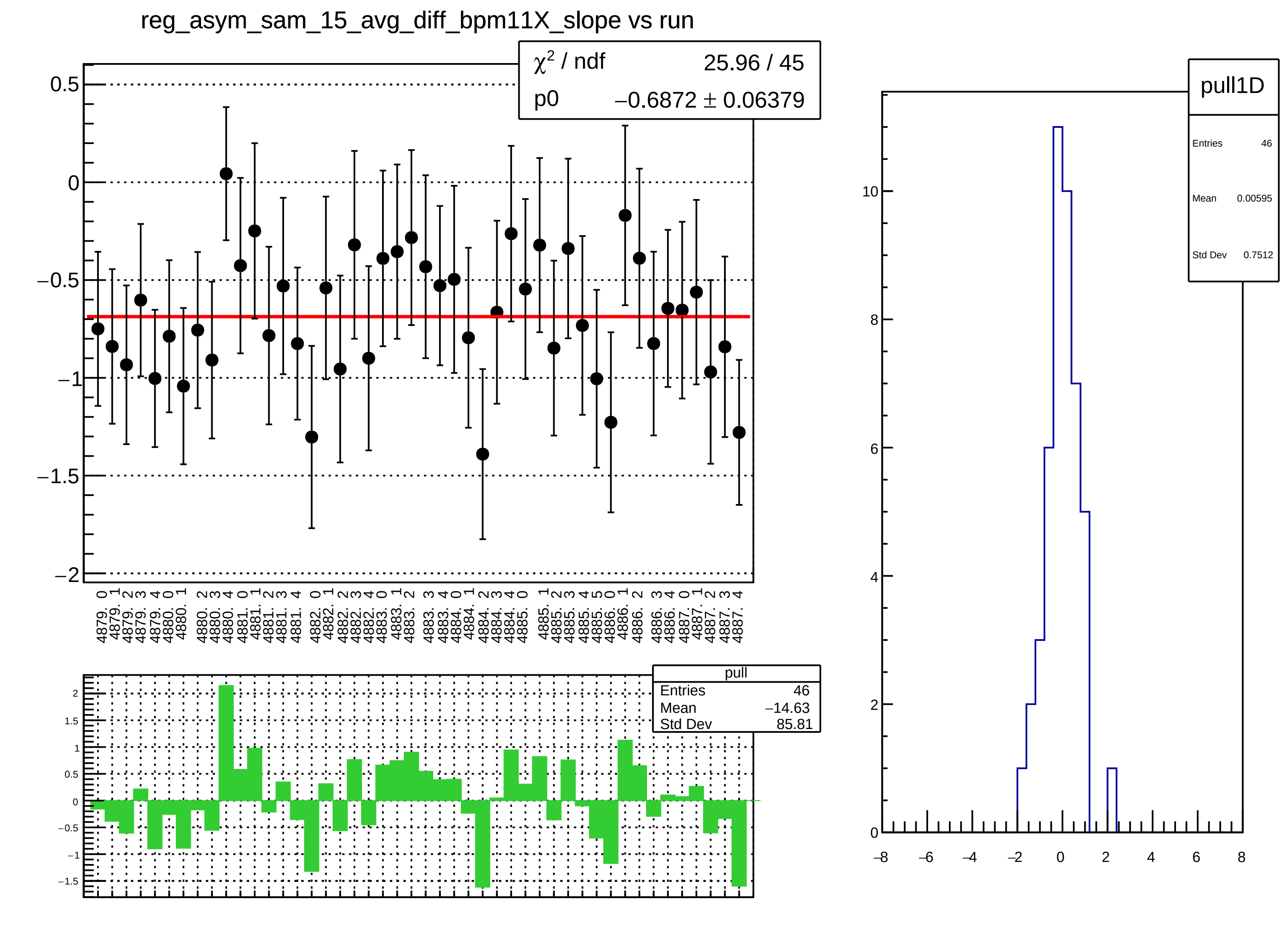
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run



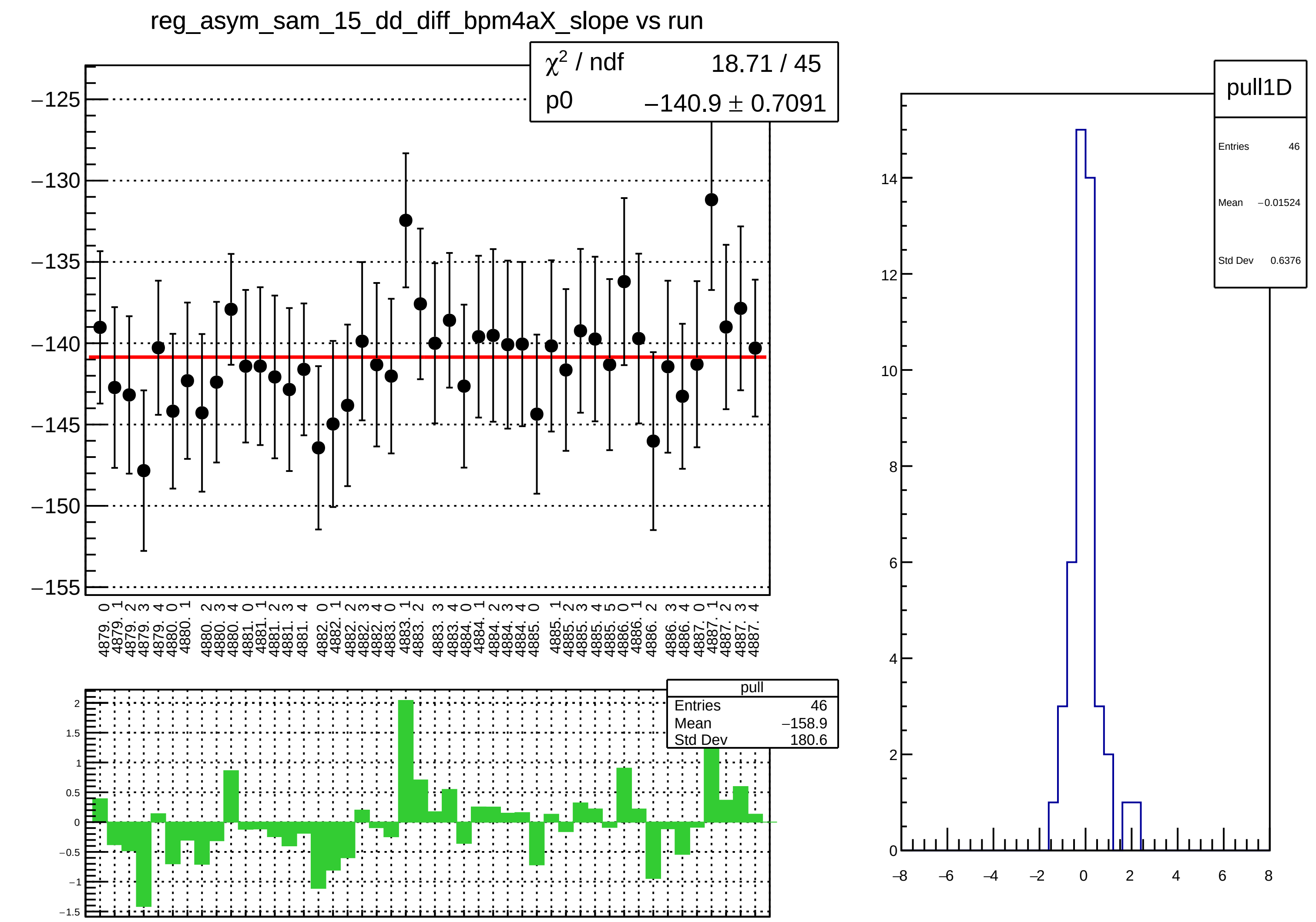


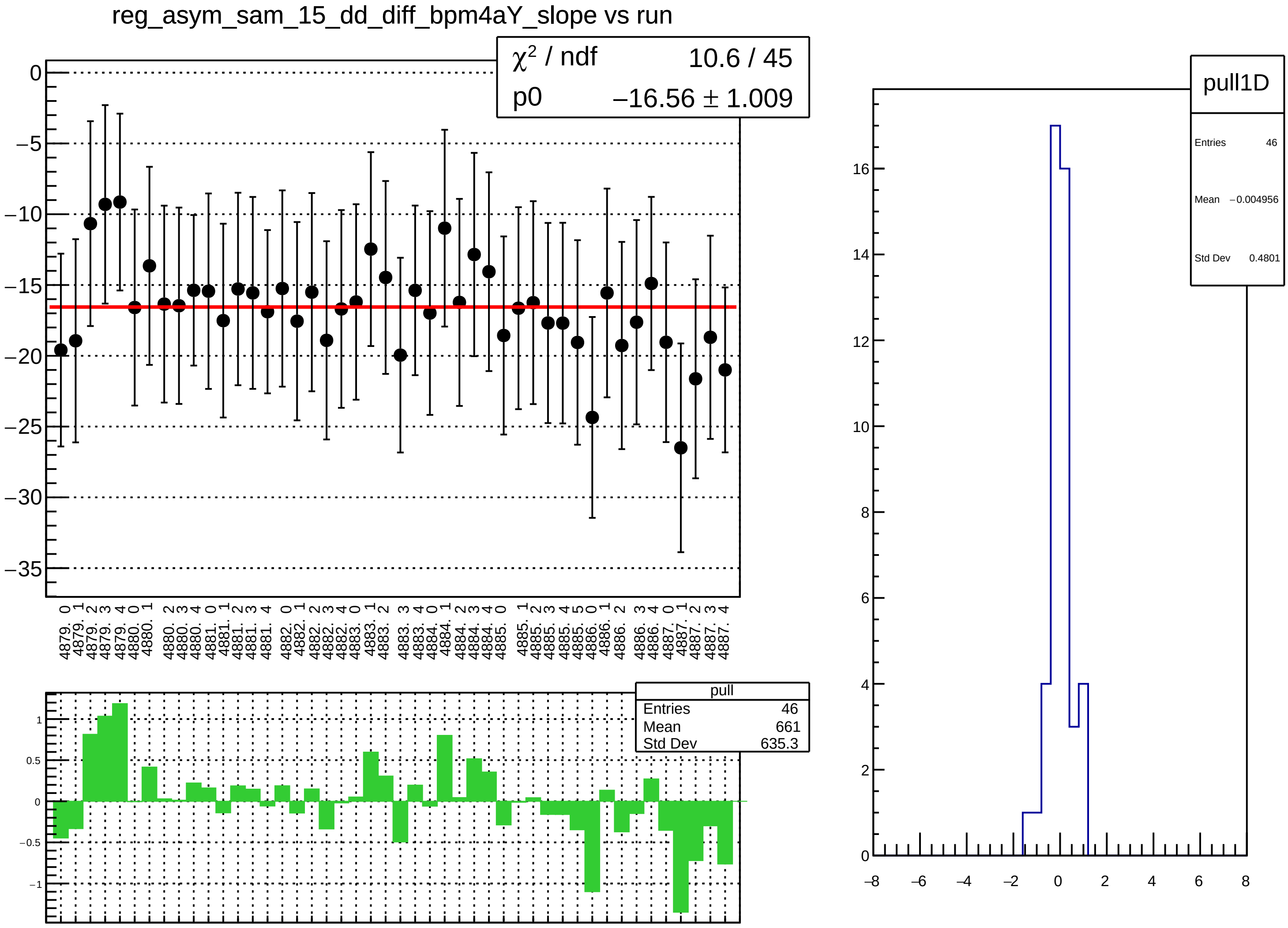


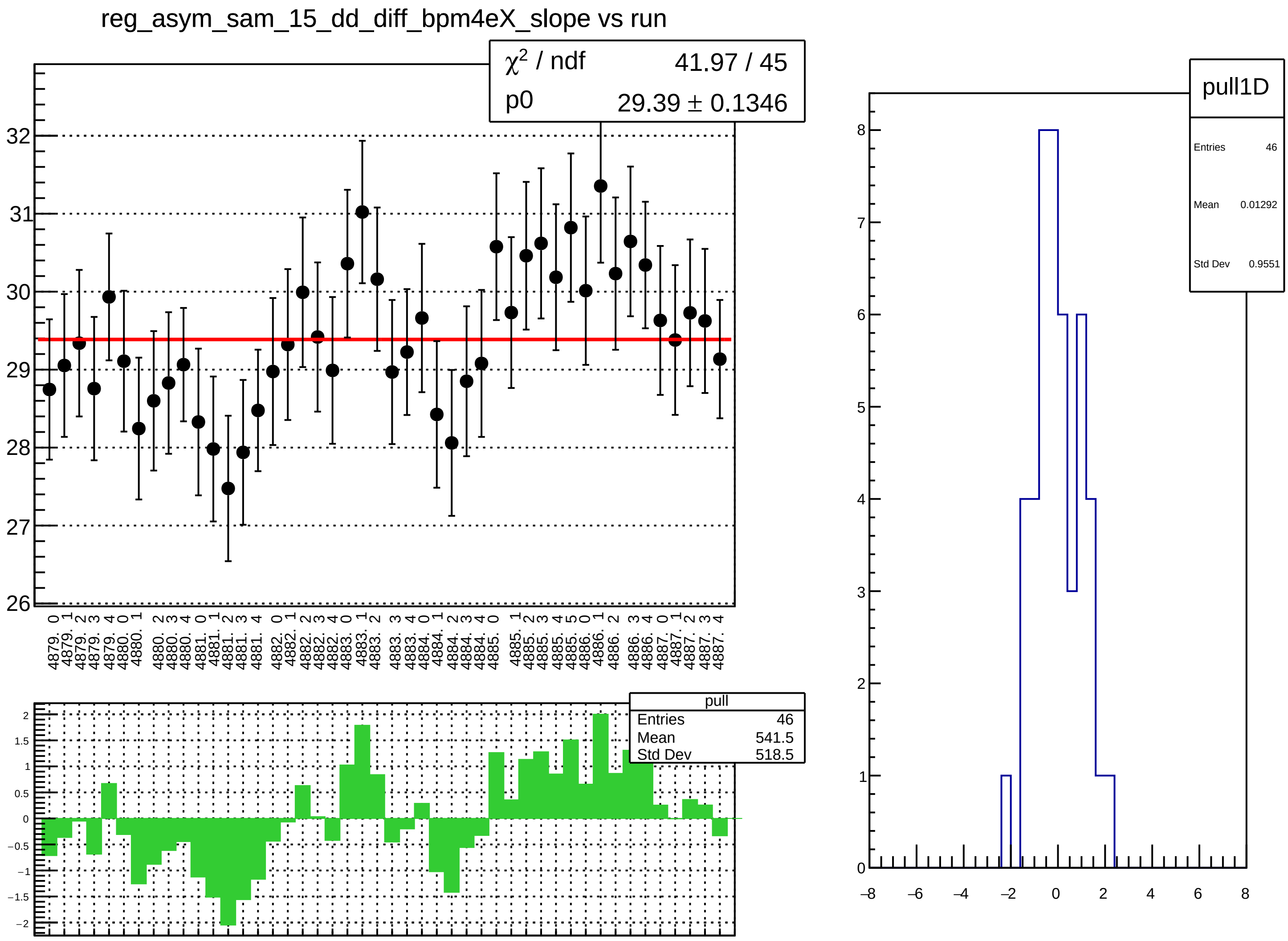
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.31 / 45
p0 17.02 ± 0.3883
pull
Entries 46
Mean 262.4
Std Dev 241.3
pull1D
Entries 46
Mean −0.024
Std Dev 0.7979



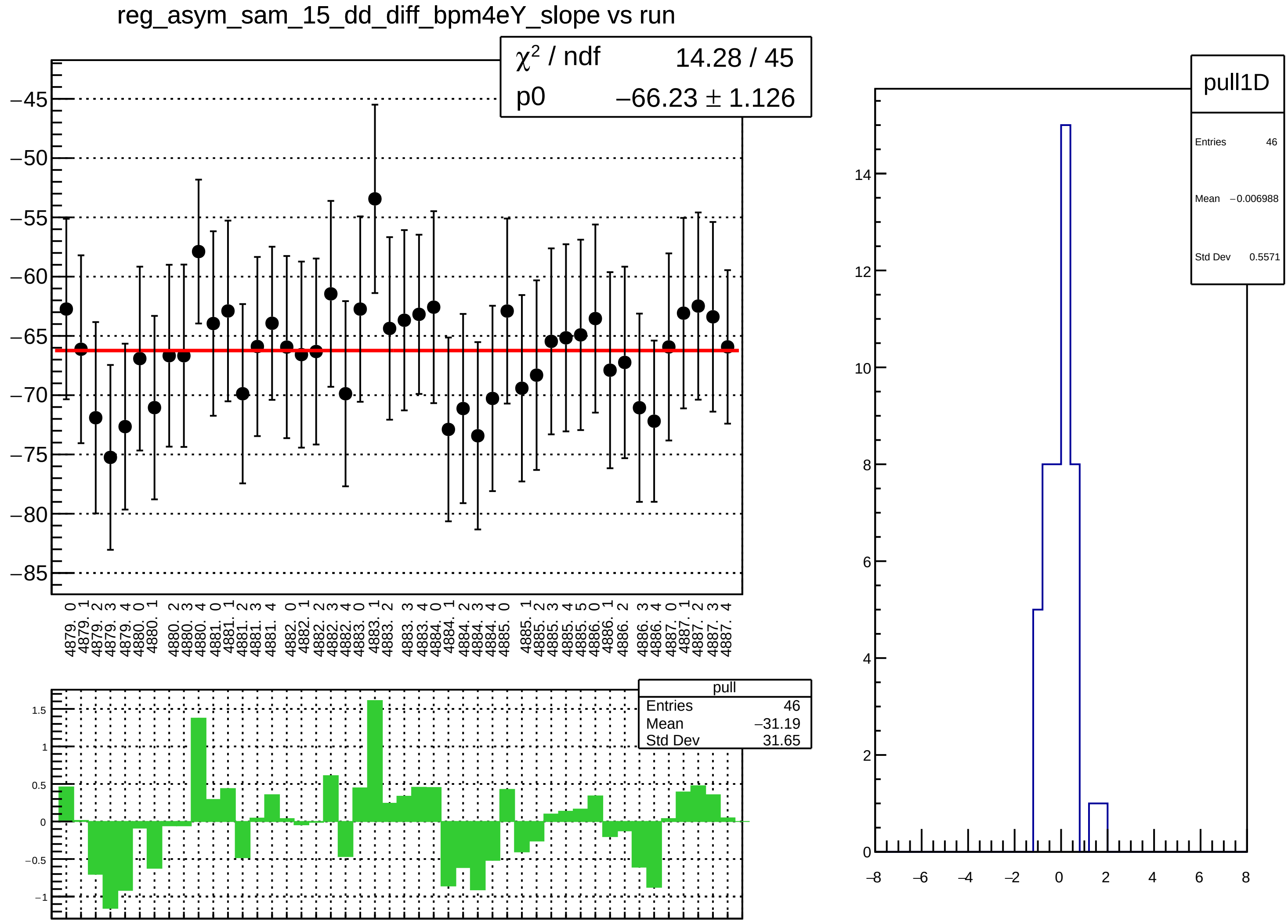
reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ^2 / ndf 25.96 / 45
p0 −0.6872 ± 0.06379
pull
Entries 46
Mean −14.63
Std Dev 85.81
pull1D
Entries 46
Mean 0.00595
Std Dev 0.7512


reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 18.71 / 45
p0 −140.9 ± 0.7091
pull
Entries 46
Mean −158.9
Std Dev 180.6
pull1D
Entries 46
Mean −0.01524
Std Dev 0.6376

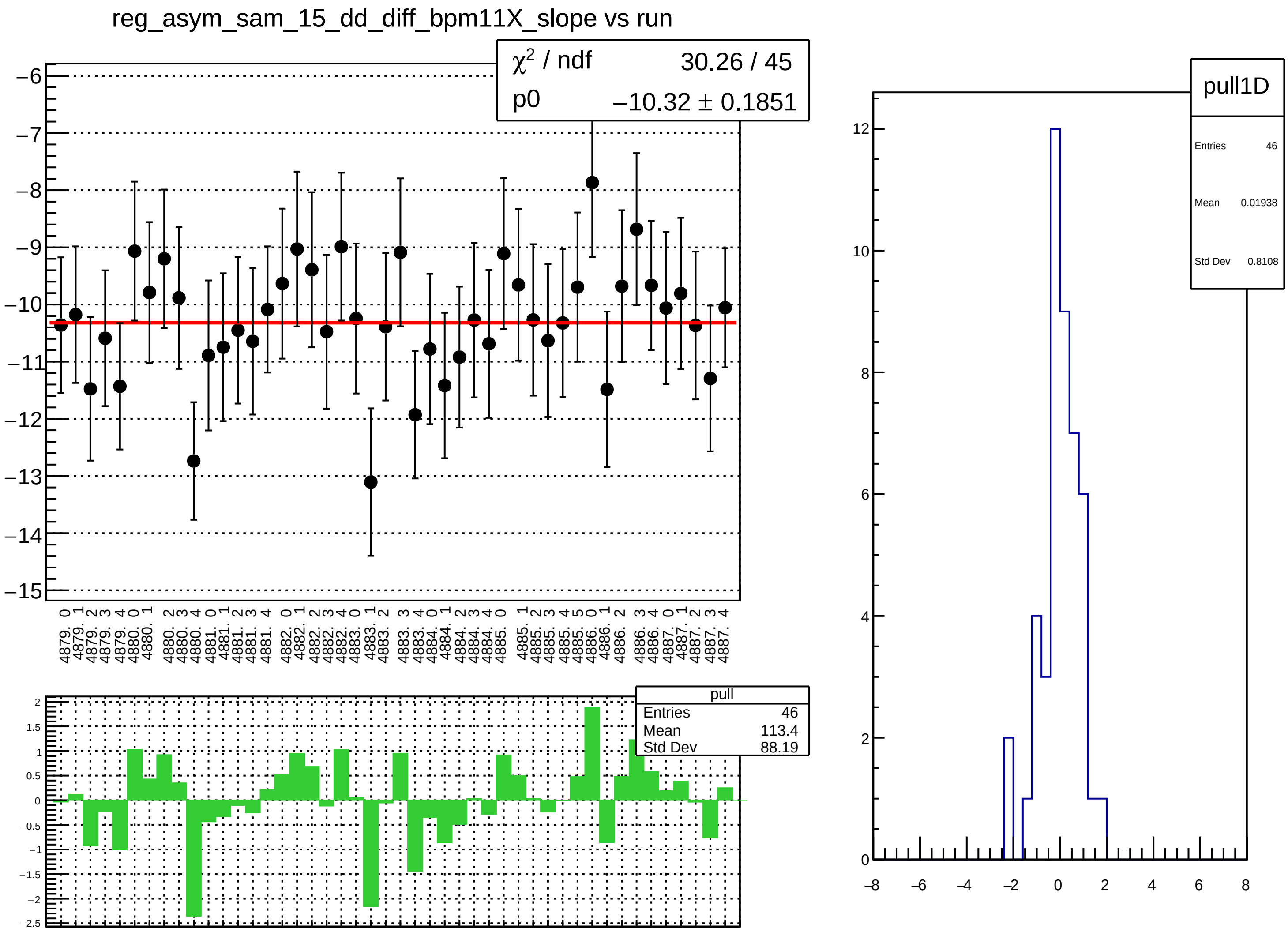

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.6 / 45
p0 −16.56 ± 1.009
pull
Entries 46
Mean 661
Std Dev 635.3
pull1D
Entries 46
Mean −0.004956
Std Dev 0.4801

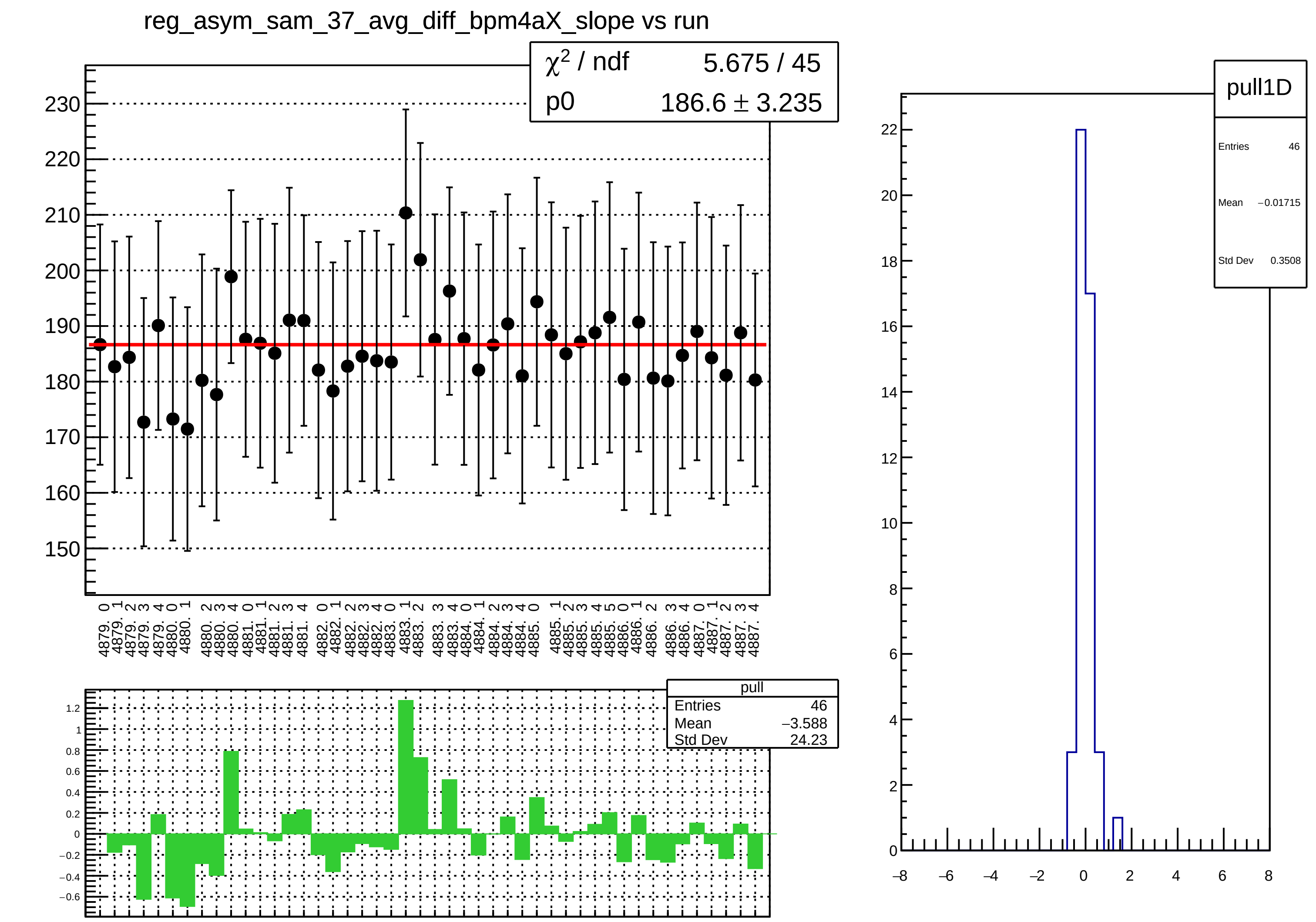


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 41.97 / 45
p0 29.39 ± 0.1346
pull
Entries 46
Mean 541.5
Std Dev 518.5
pull1D
Entries 46
Mean 0.01292
Std Dev 0.9551

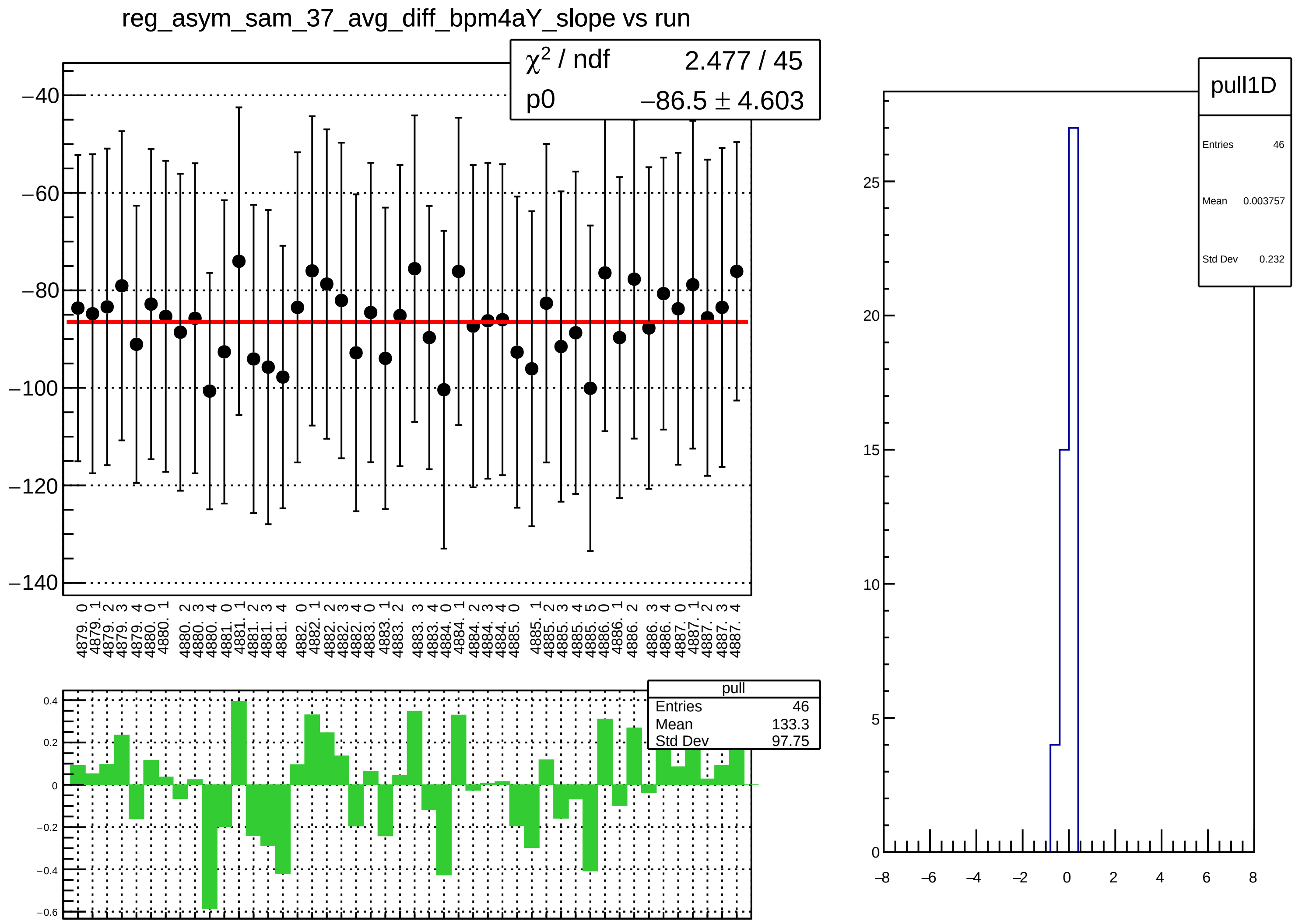


reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.28 / 45
p0 −66.23 ± 1.126
pull
Entries 46
Mean −31.19
Std Dev 31.65
pull1D
Entries 46
Mean −0.006988
Std Dev 0.5571

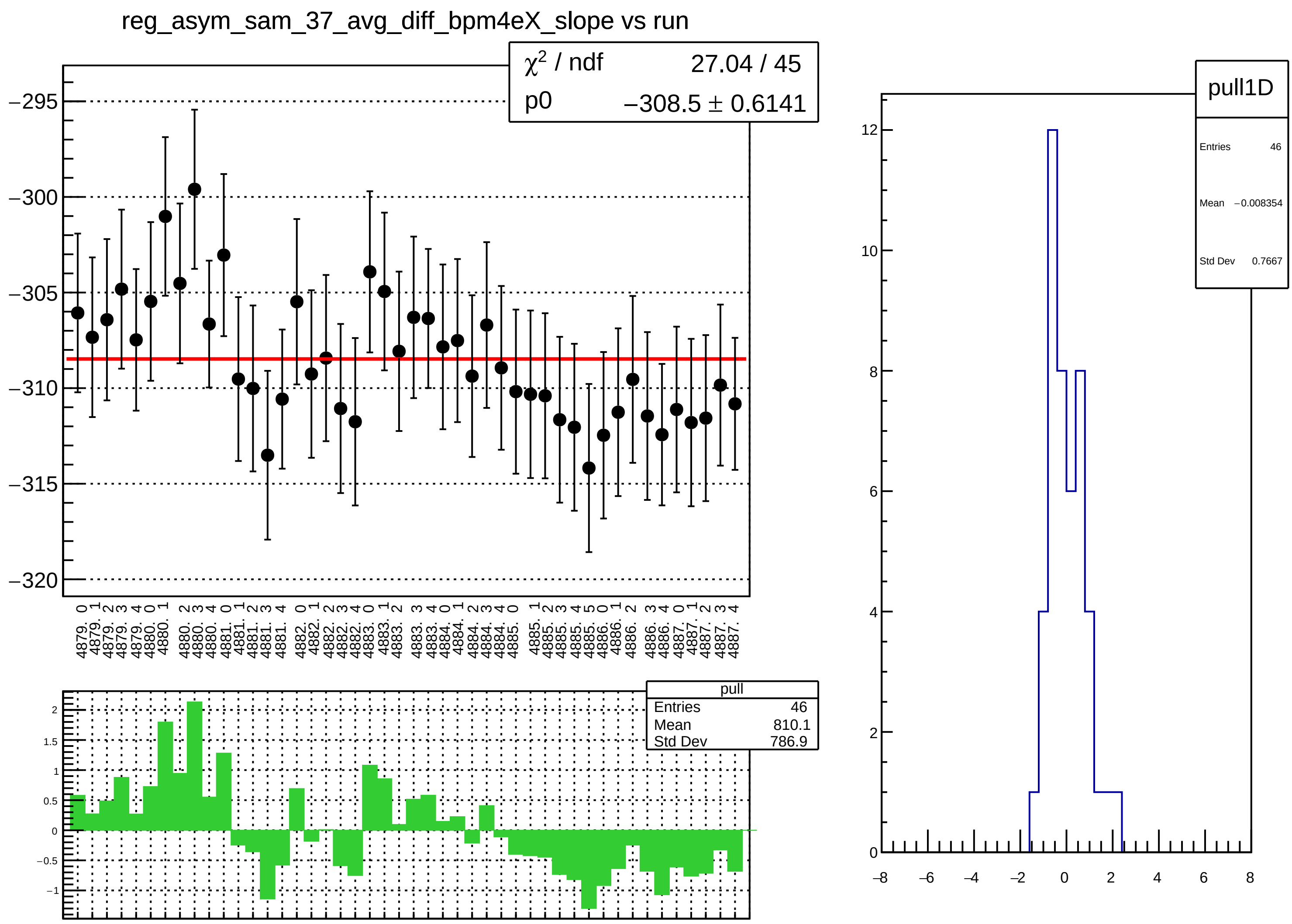

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ^2 / ndf 30.26 / 45
p0 −10.32 ± 0.1851
pull
Entries 46
Mean 113.4
Std Dev 88.19
pull1D
Entries 46
Mean 0.01938
Std Dev 0.8108



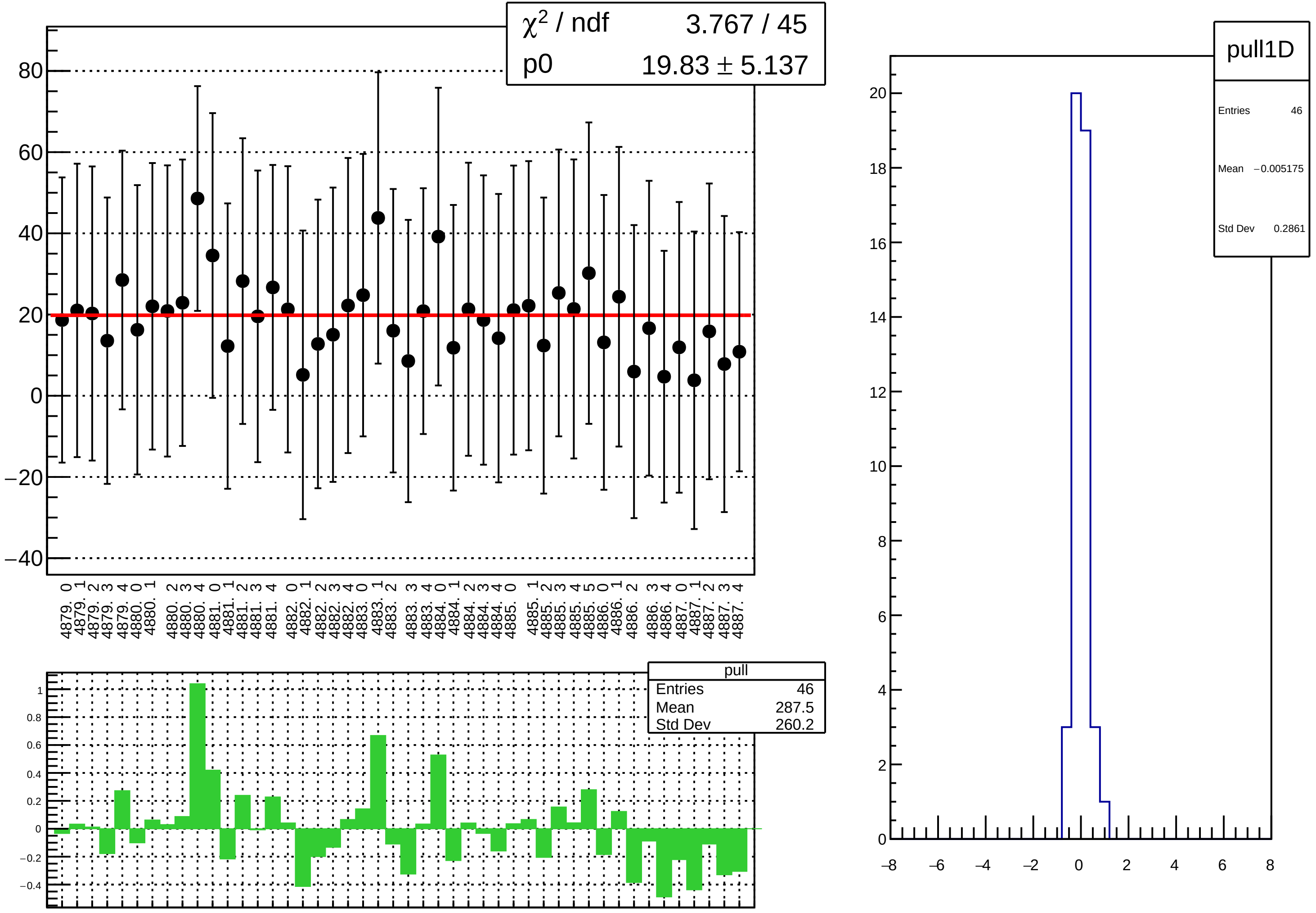
reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ2 / ndf 5.675 / 45
p0 186.6 ± 3.235
pull
Entries 46
Mean −3.588
Std Dev 24.23
pull1D
Entries 46
Mean −0.01715
Std Dev 0.3508

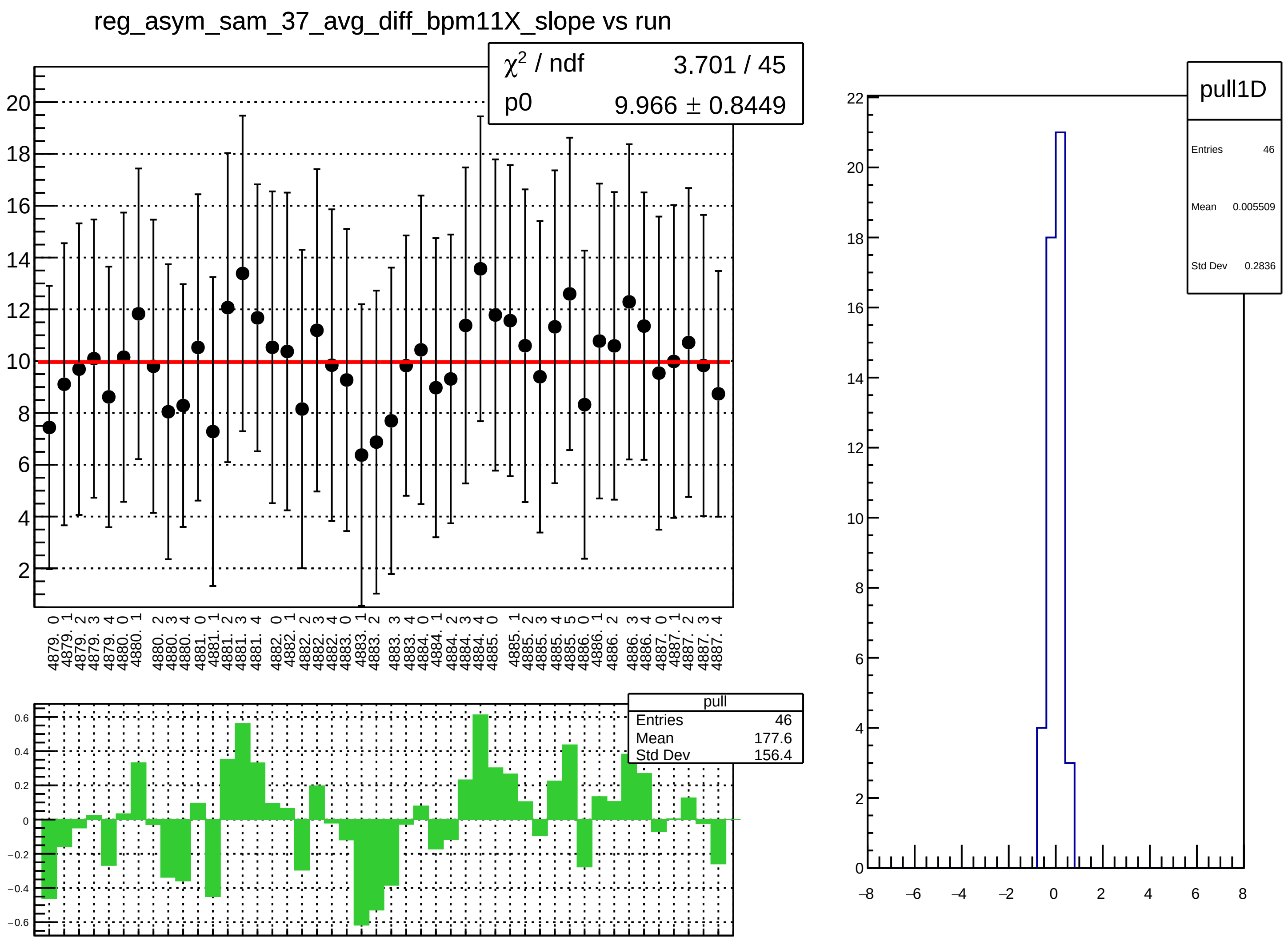


reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.477 / 45
p0 −86.5 ± 4.603
pull
Entries 46
Mean 133.3
Std Dev 97.75
pull1D
Entries 46
Mean 0.003757
Std Dev 0.232

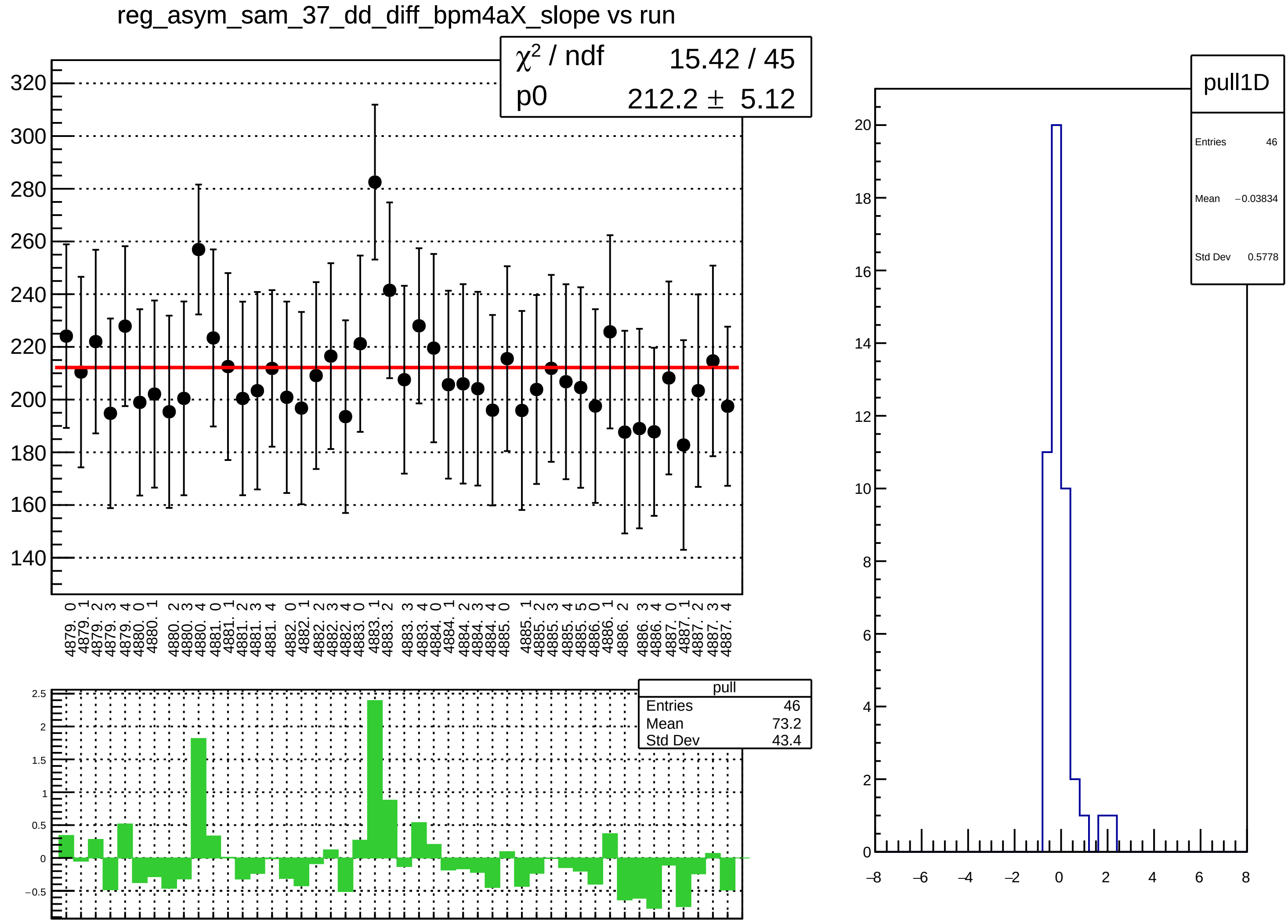

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ2 / ndf 27.04 / 45
p0 −308.5 ± 0.6141
pull
Entries 46
Mean 810.1
Std Dev 786.9
pull1D
Entries 46
Mean −0.008354
Std Dev 0.7667

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run

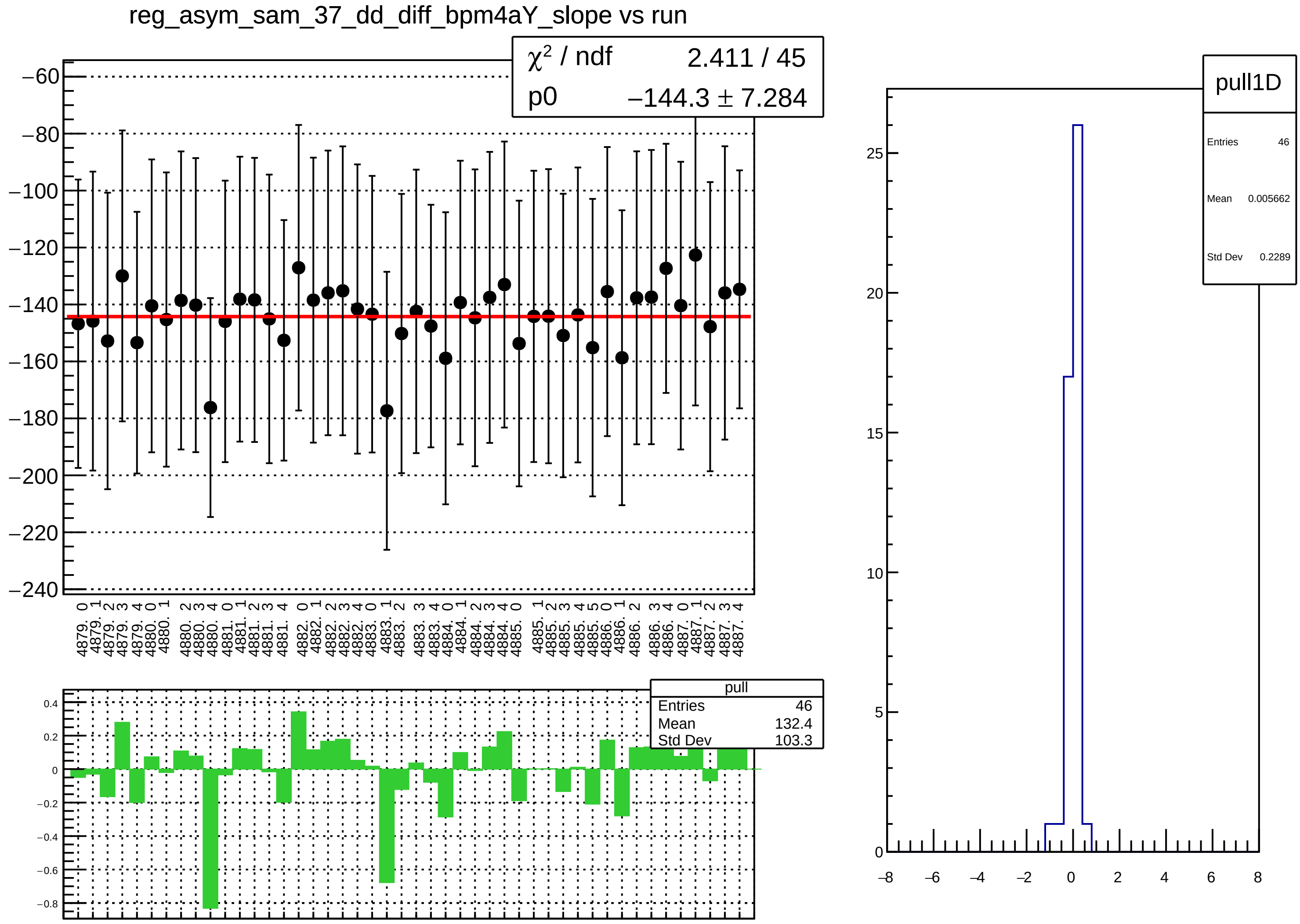




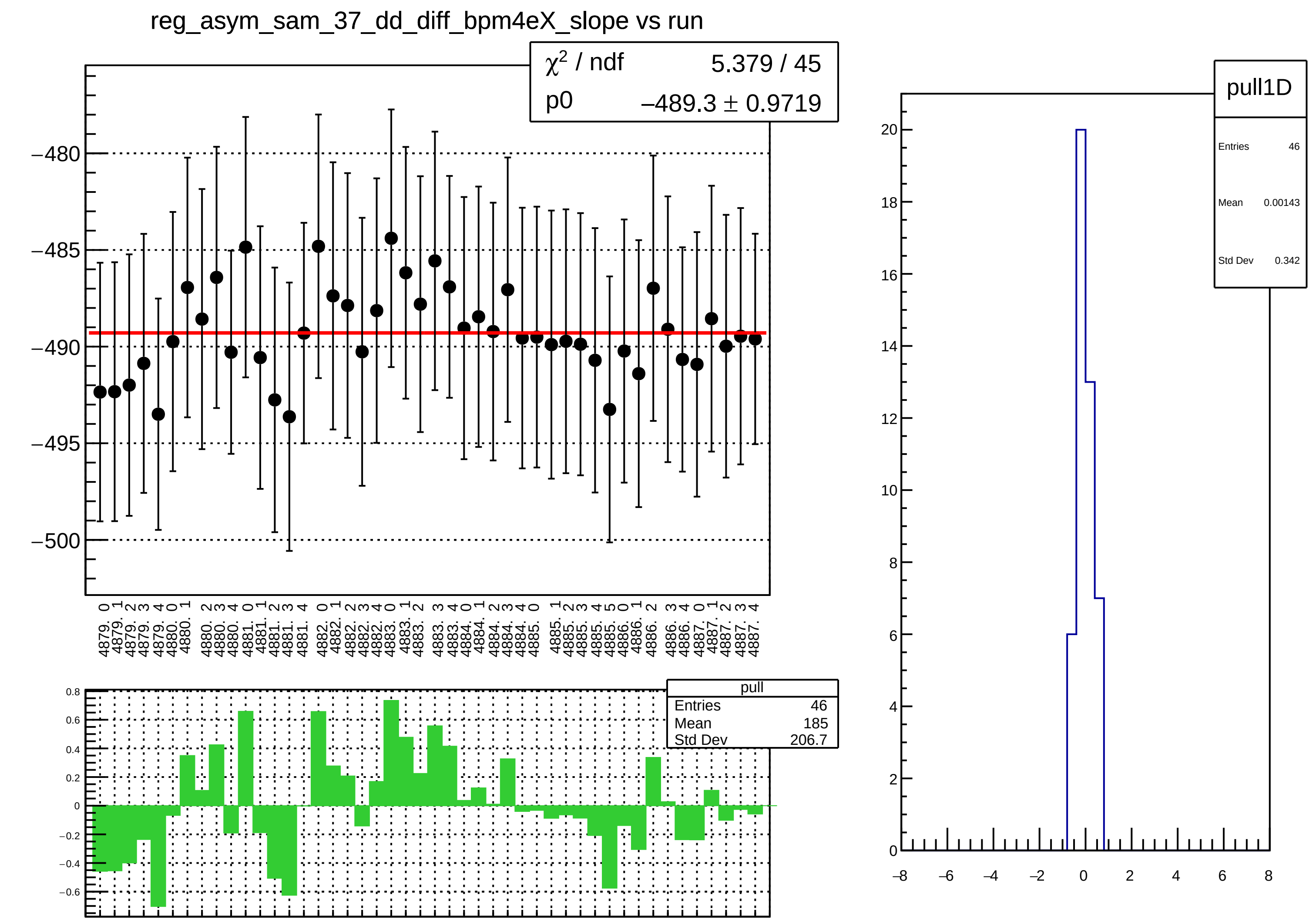
reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ^2 / ndf 3.701 / 45
p0 9.966 ± 0.8449
pull
Entries 46
Mean 177.6
Std Dev 156.4
pull1D
Entries 46
Mean 0.005509
Std Dev 0.2836



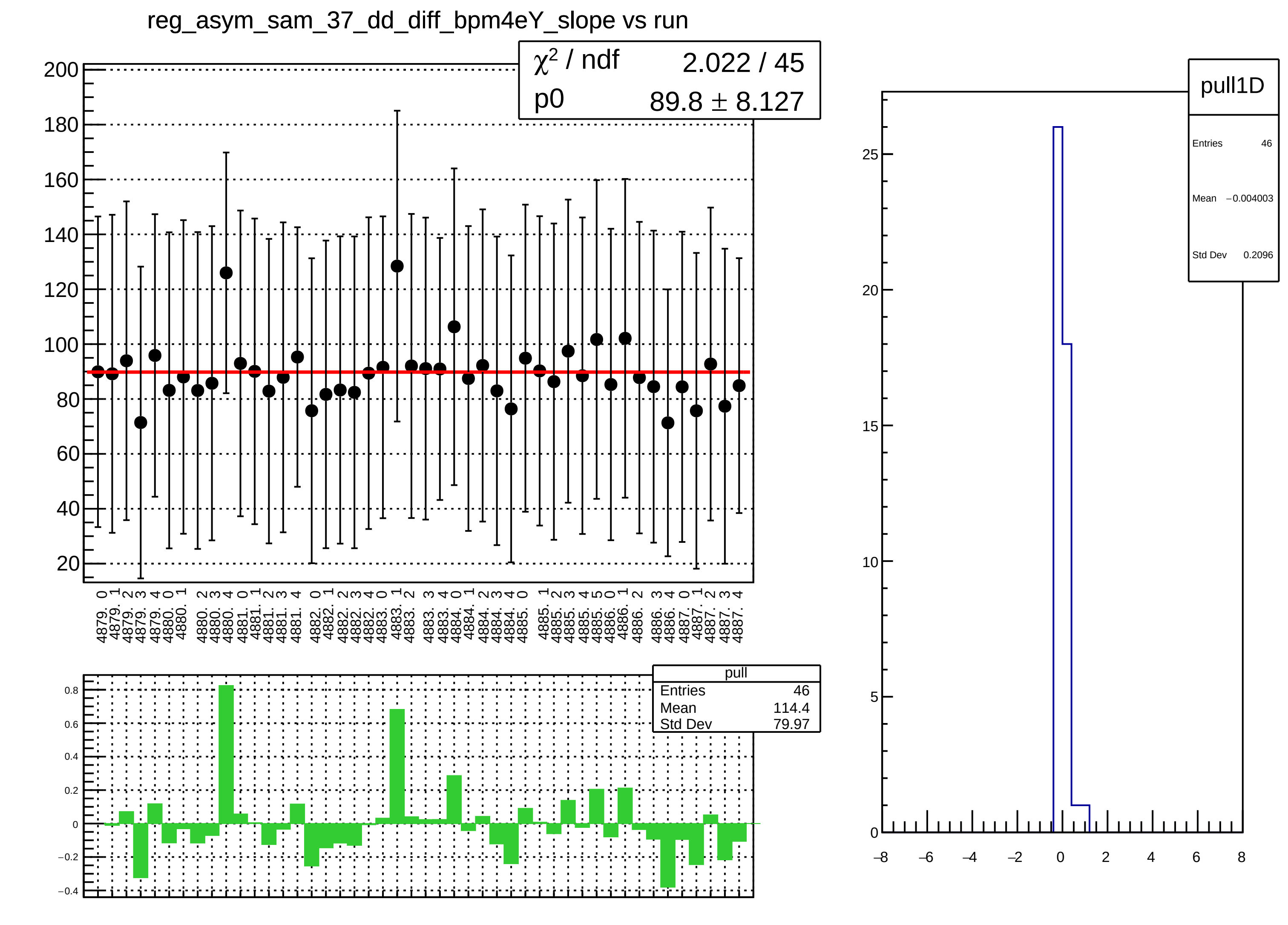
reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 15.42 / 45
p0 212.2 ± 5.12
pull
Entries 46
Mean 73.2
Std Dev 43.4
pull1D
Entries 46
Mean −0.03834
Std Dev 0.5778



reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.411 / 45
p0 −144.3 ± 7.284
pull
Entries 46
Mean 132.4
Std Dev 103.3
pull1D
Entries 46
Mean 0.005662
Std Dev 0.2289

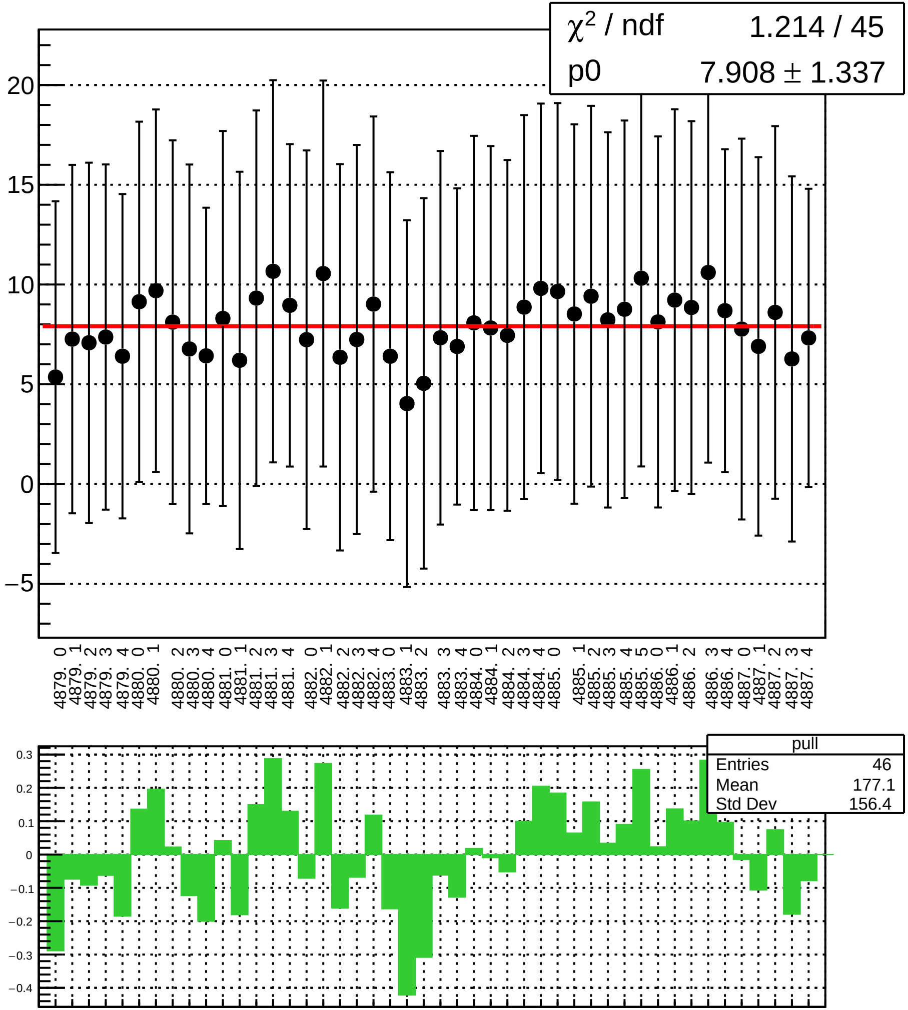


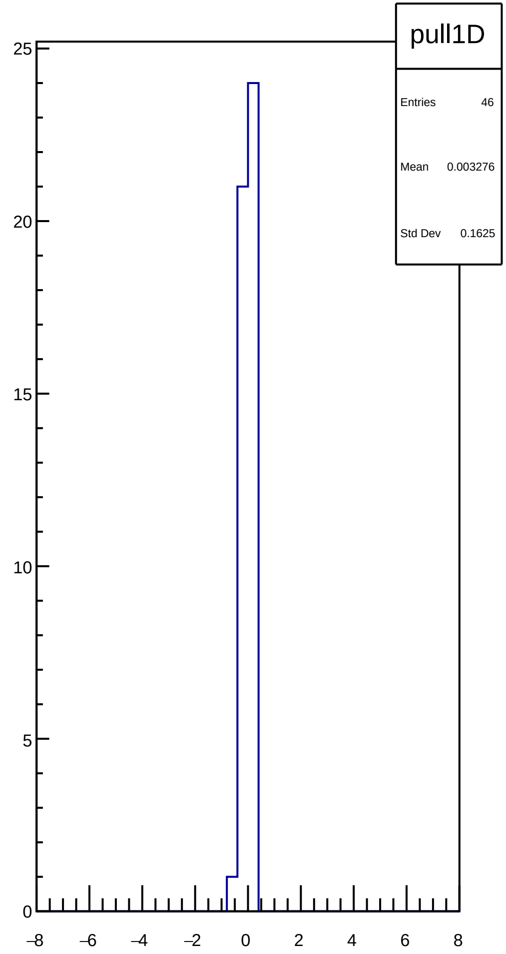
reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 5.379 / 45
p0 −489.3 ± 0.9719
pull
Entries 46
Mean 185
Std Dev 206.7
pull1D
Entries 46
Mean 0.00143
Std Dev 0.342

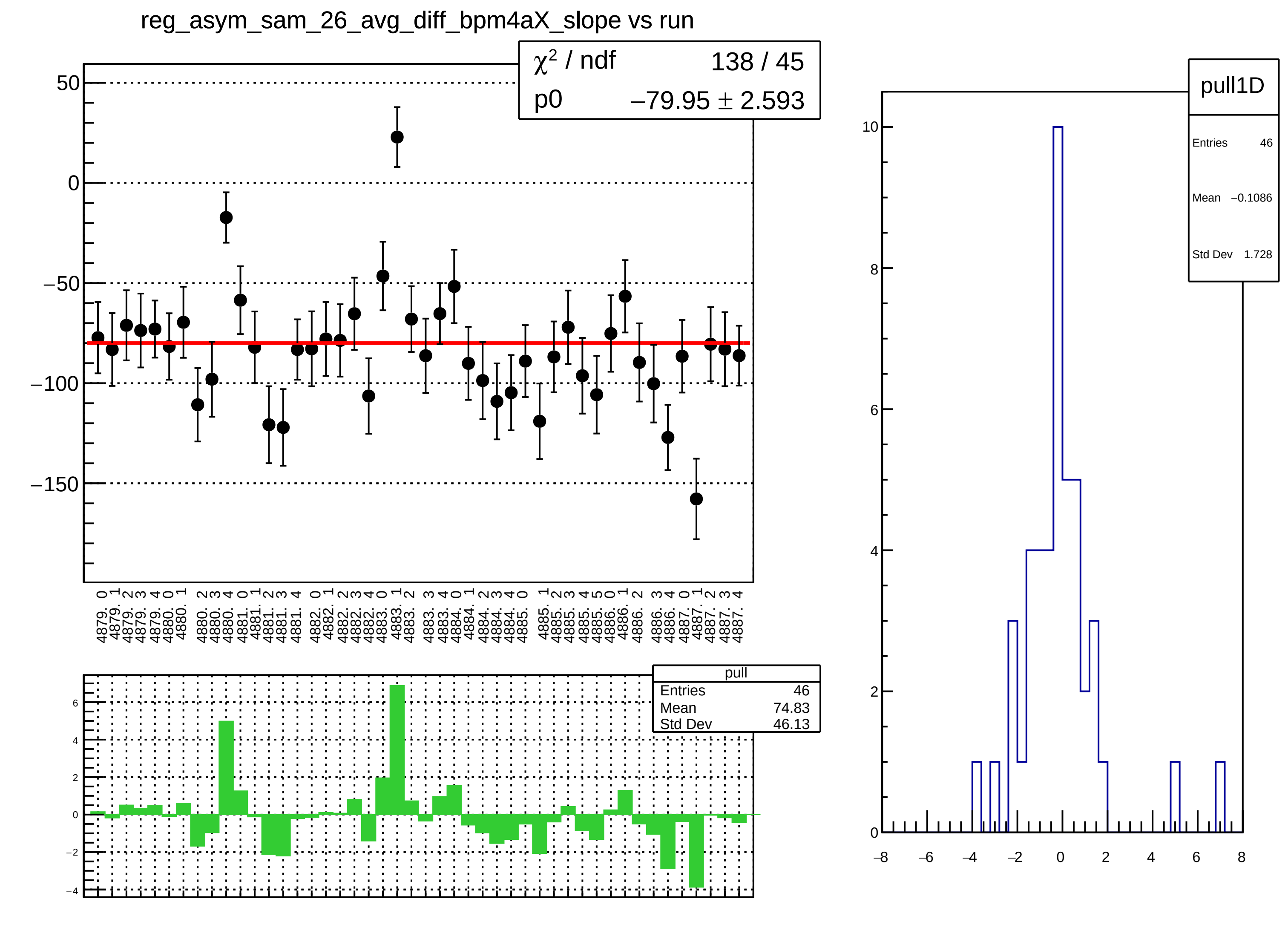


reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.022 / 45
p0 89.8 ± 8.127
pull
Entries 46
Mean 114.4
Std Dev 79.97
pull1D
Entries 46
Mean −0.004003
Std Dev 0.2096

reg_asym_sam_37_dd_diff_bpm11X_slope vs run

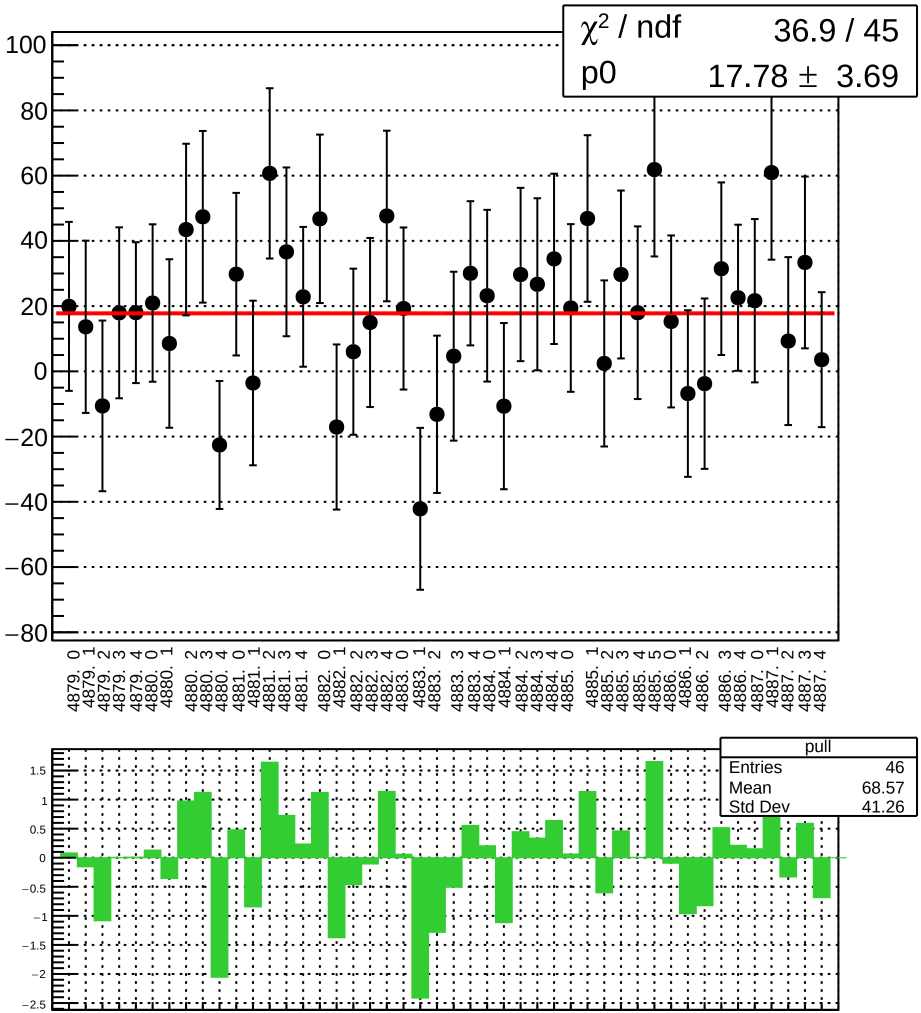


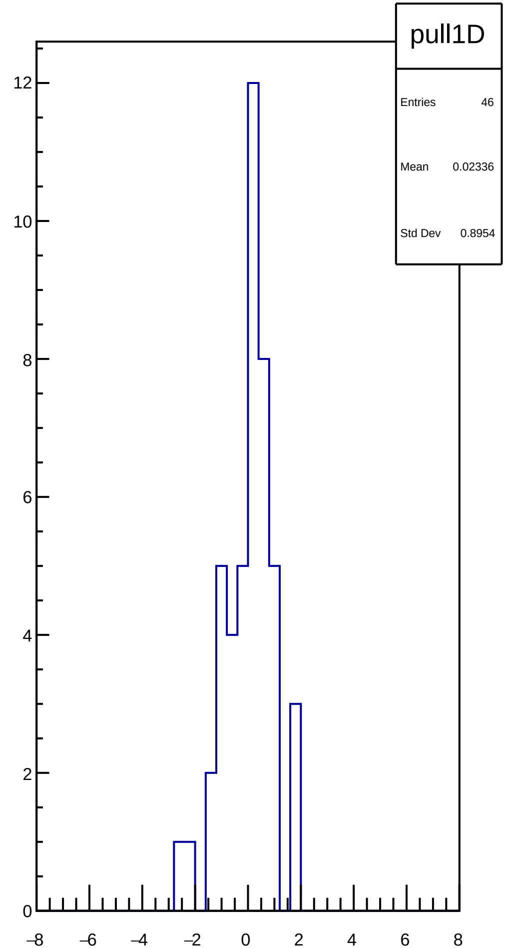


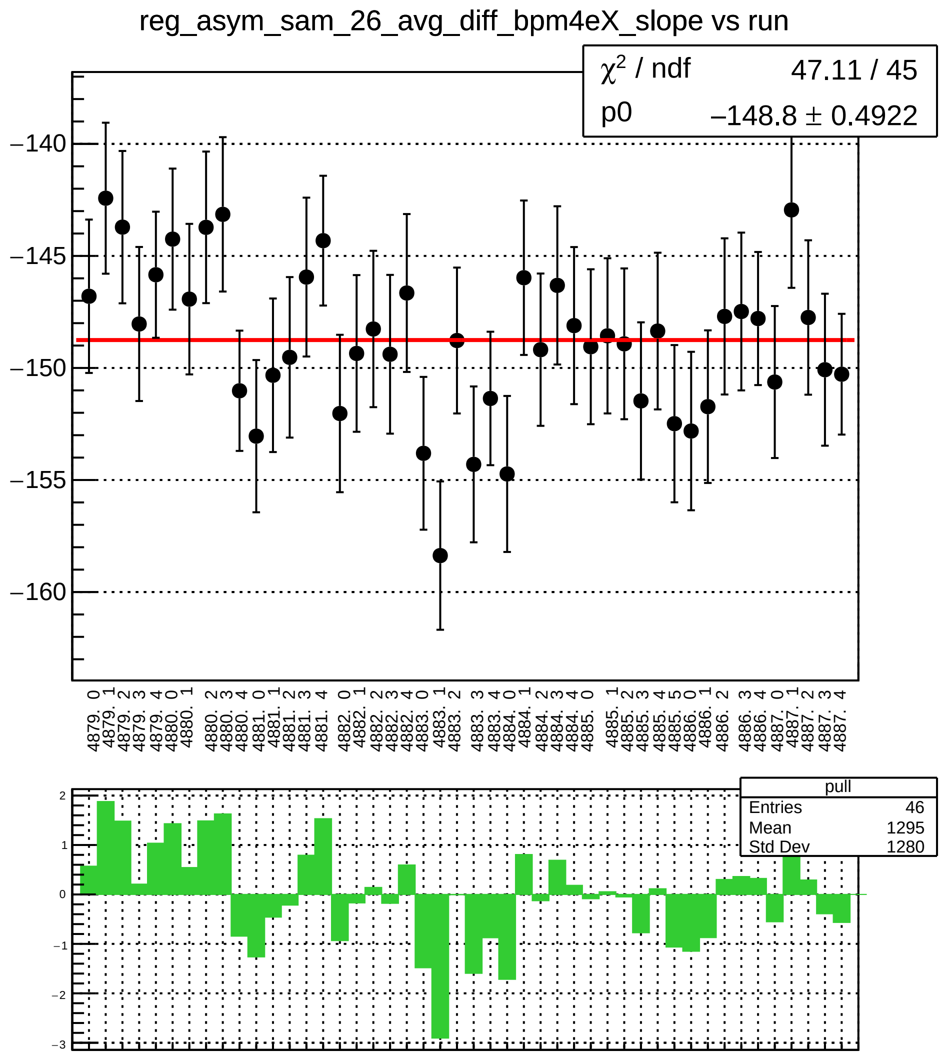


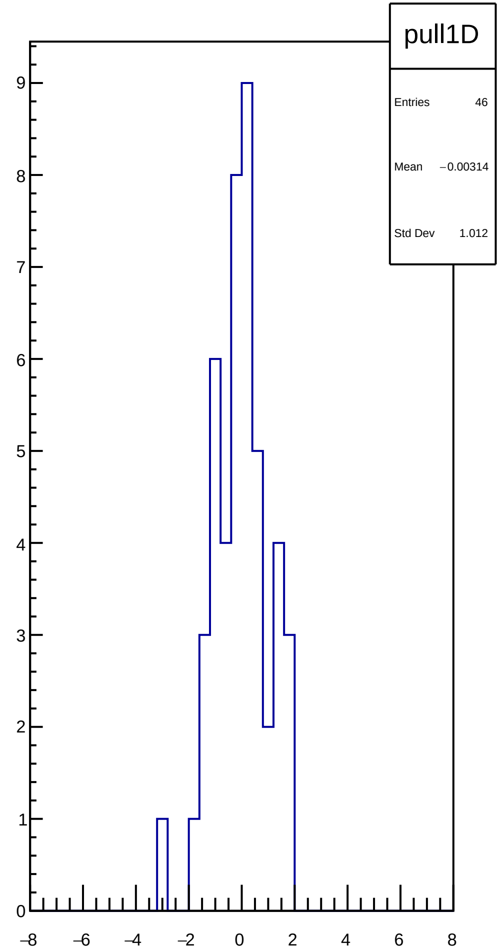
reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 138 / 45
p0 −79.95 ± 2.593
pull
Entries 46
Mean 74.83
Std Dev 46.13
pull1D
Entries 46
Mean −0.1086
Std Dev 1.728

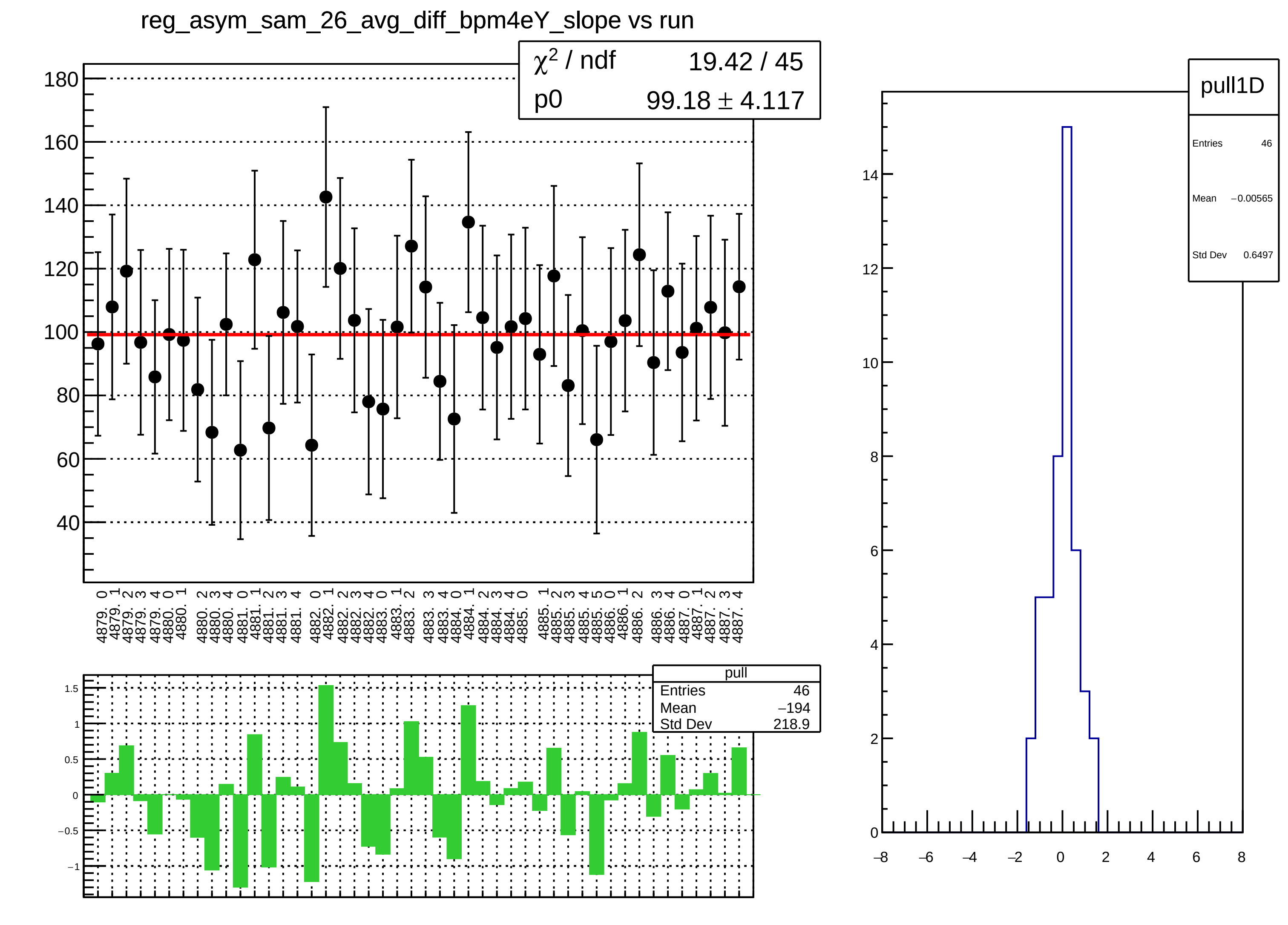
reg_asym_sam_26_avg_diff_bpm4aY_slope vs run



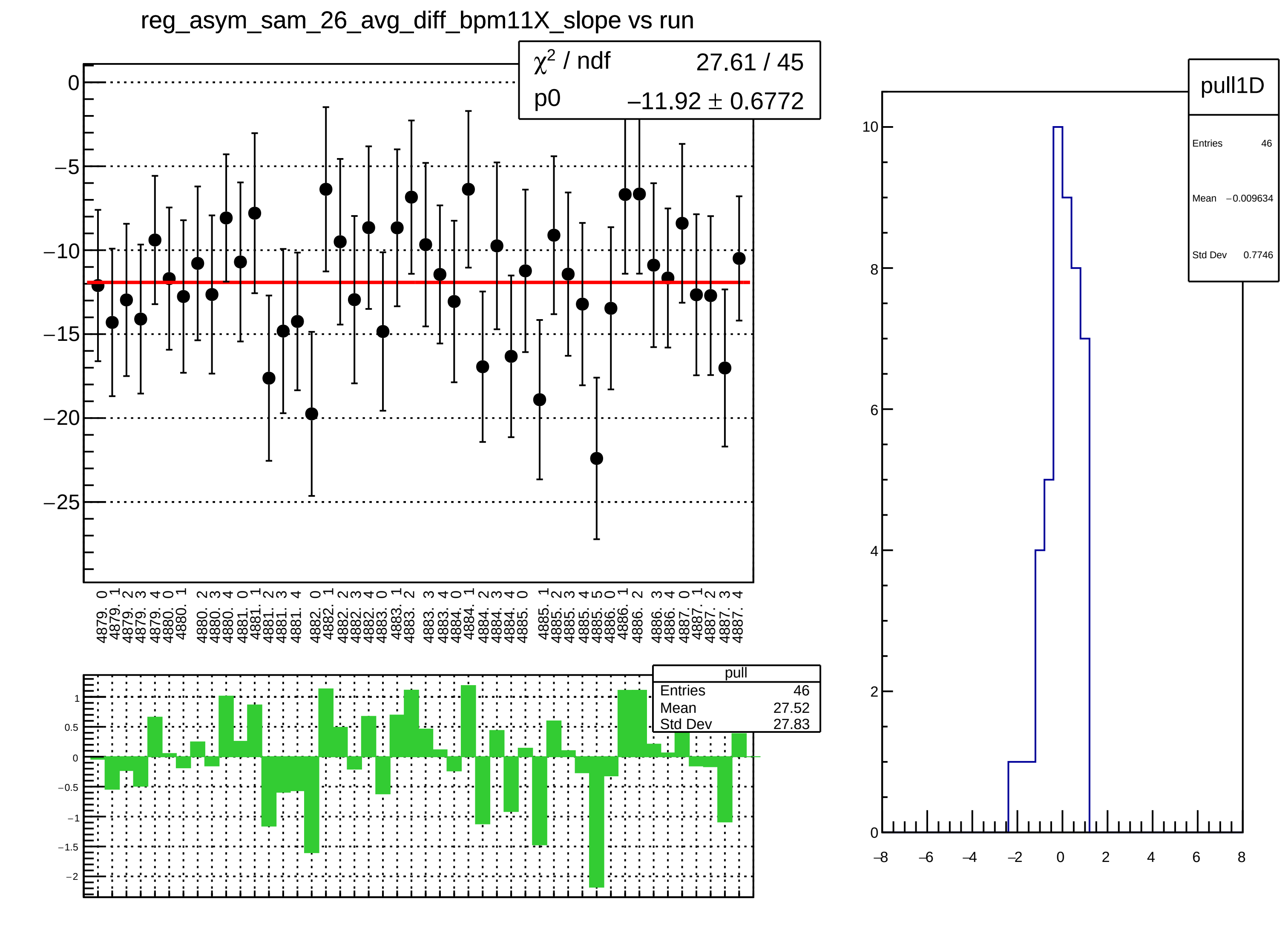



reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 47.11 / 45
p0 −148.8 ± 0.4922
pull
Entries 46
Mean 1295
Std Dev 1280

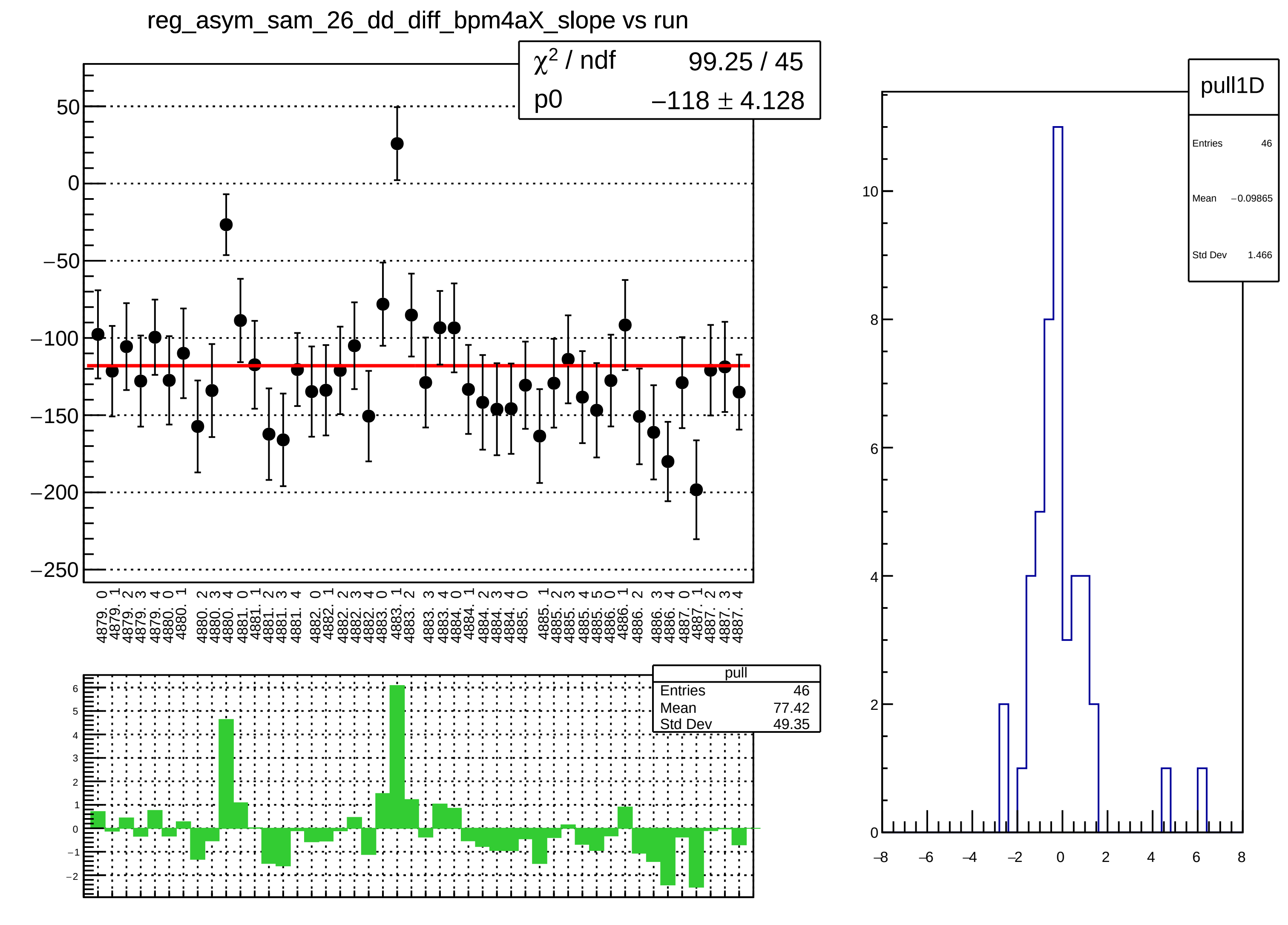

pull1D
Entries 46
Mean −0.00314
Std Dev 1.012



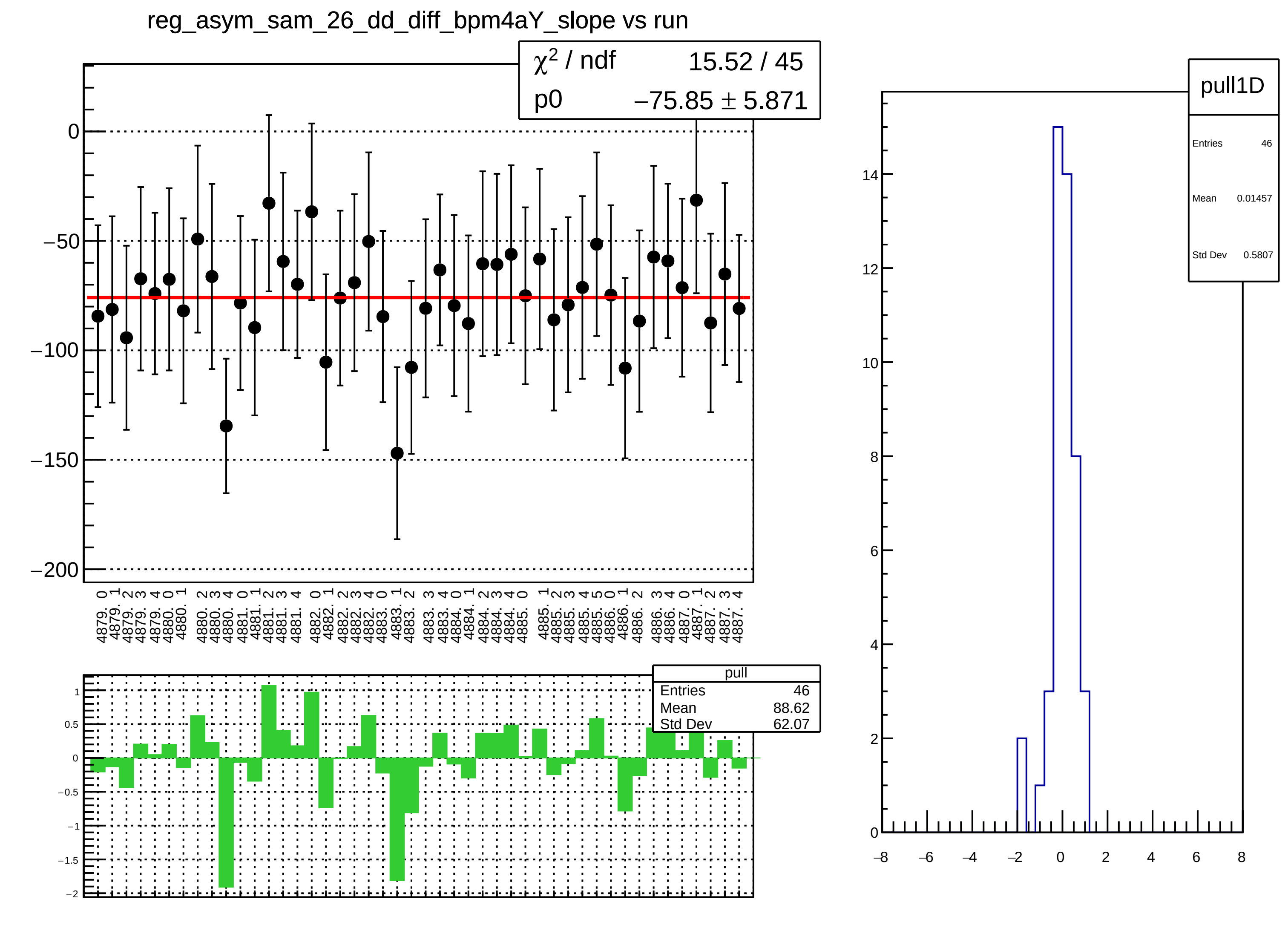
reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 19.42 / 45
p0 99.18 ± 4.117
180
160
140
120
100
80
60
40
4879.0
4879.1
4879.2
4879.3
4879.4
4880.0
4880.1
4880.2
4880.3
4880.4
4881.0
4881.1
4881.2
4881.3
4881.4
4882.0
4882.1
4882.2
4882.3
4882.4
4883.0
4883.1
4883.2
4883.3
4883.4
4884.0
4884.1
4884.2
4884.3
4884.4
4885.0
4885.1
4885.2
4885.3
4885.4
4885.5
4886.0
4886.1
4886.2
4886.3
4886.4
4887.0
4887.1
4887.2
4887.3
4887.4
pull
Entries 46
Mean −194
Std Dev 218.9
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 46
Mean −0.00565
Std Dev 0.6497
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8



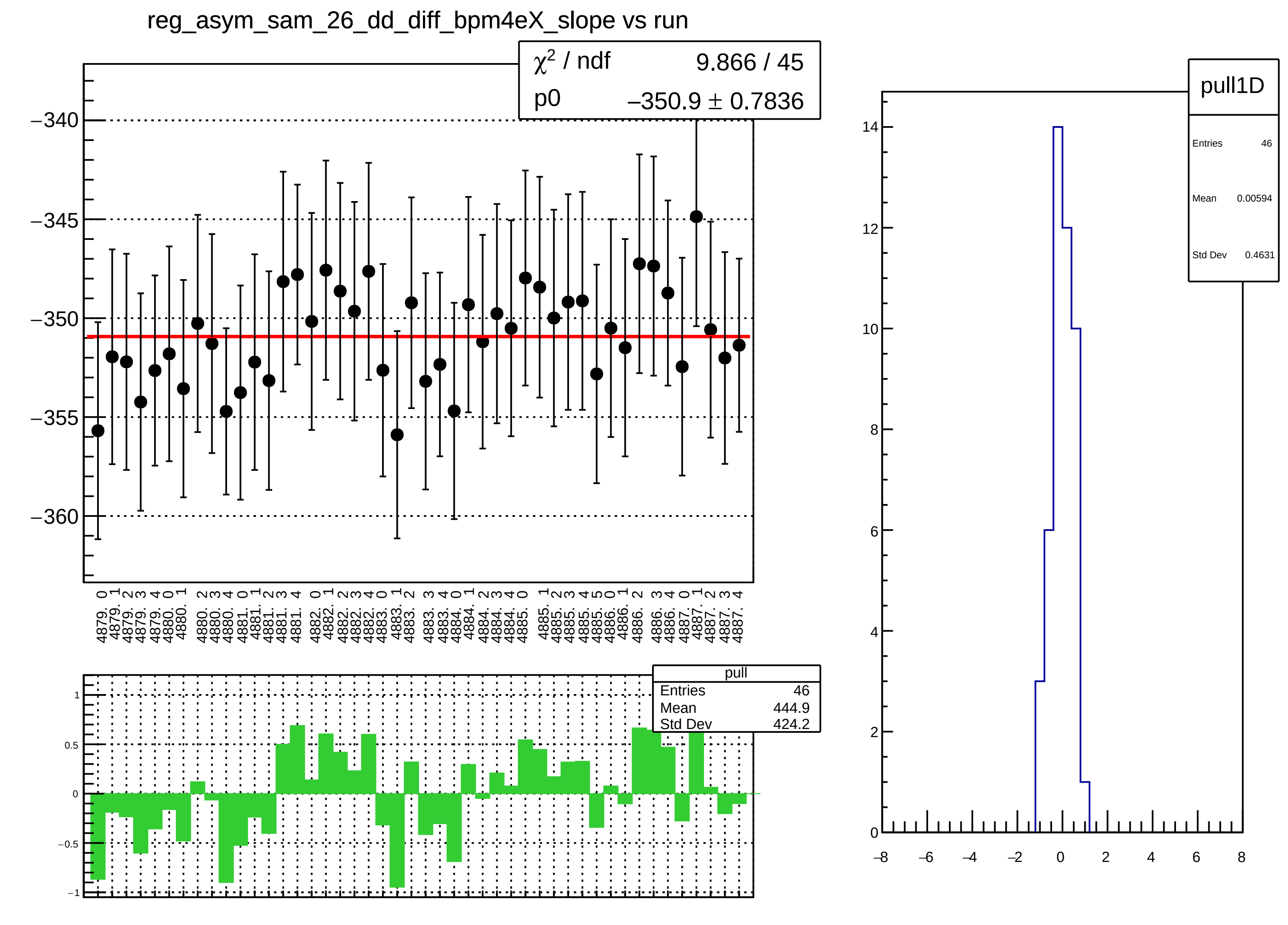
reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ^2 / ndf 27.61 / 45
p0 −11.92 ± 0.6772
pull
Entries 46
Mean 27.52
Std Dev 27.83
pull1D
Entries 46
Mean −0.009634
Std Dev 0.7746



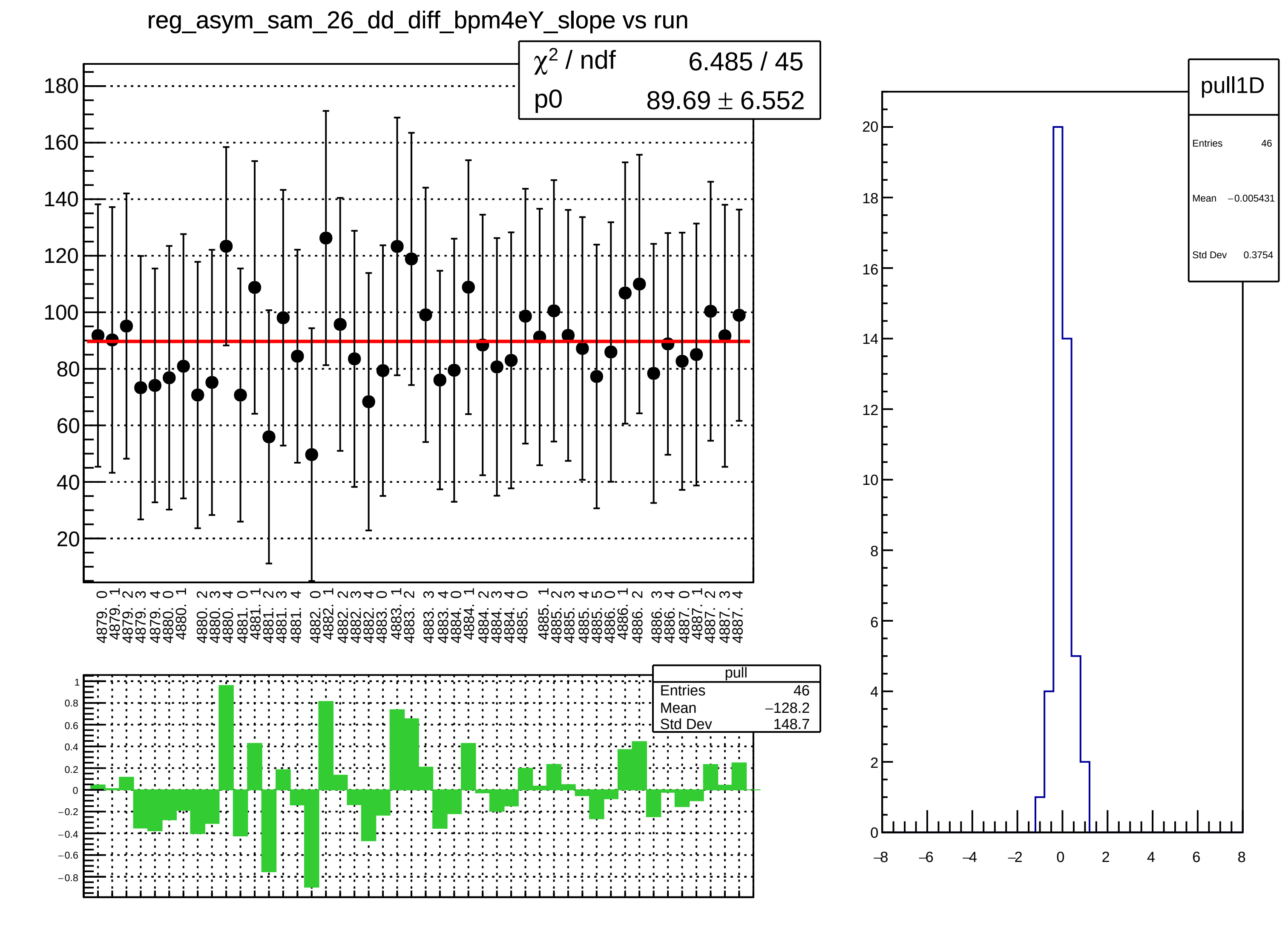
reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 99.25 / 45
p0 −118 ± 4.128
pull
Entries 46
Mean 77.42
Std Dev 49.35
pull1D
Entries 46
Mean −0.09865
Std Dev 1.466



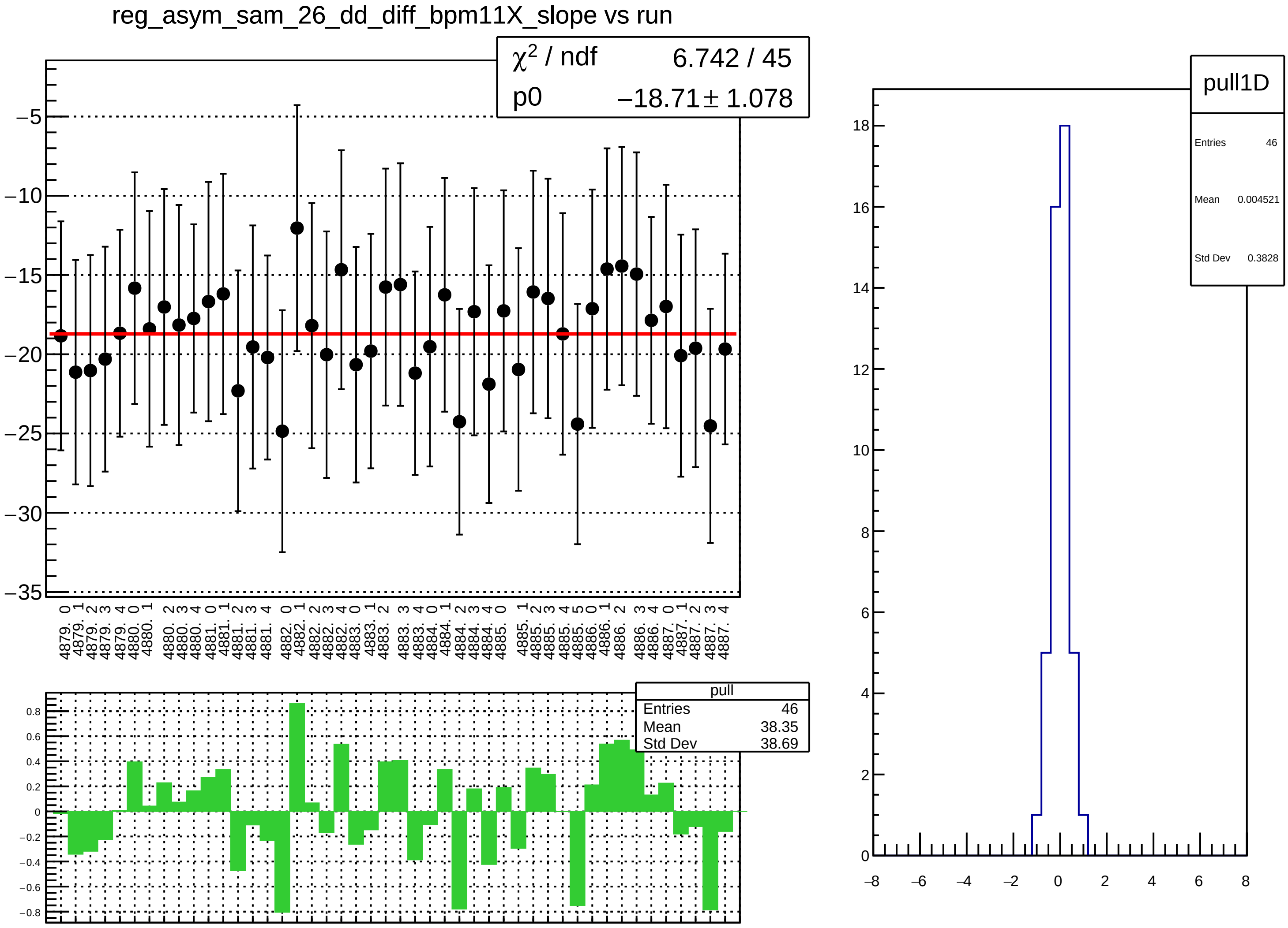
reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 15.52 / 45
p0 −75.85 ± 5.871
pull
Entries 46
Mean 88.62
Std Dev 62.07
pull1D
Entries 46
Mean 0.01457
Std Dev 0.5807



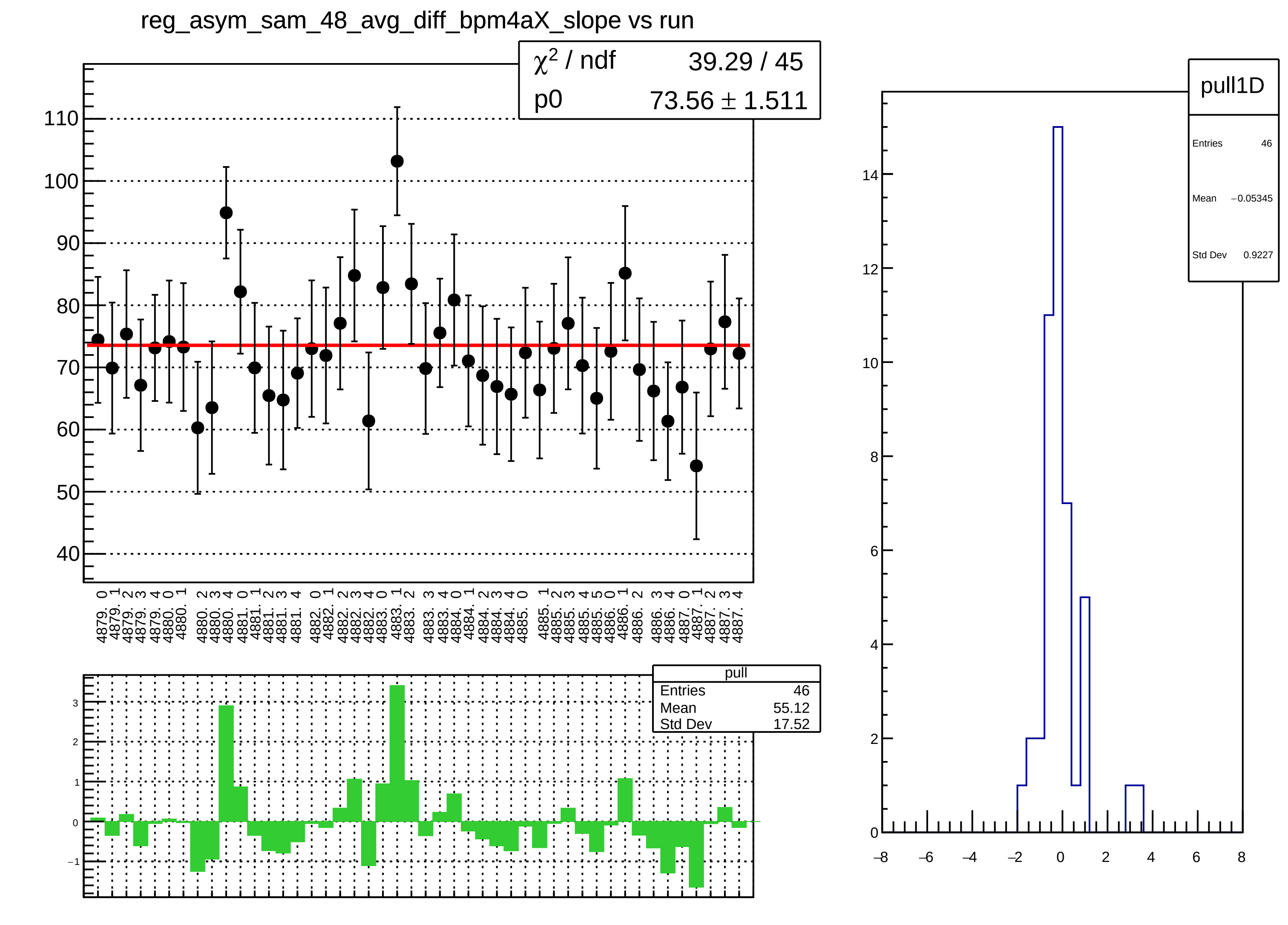
reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.866 / 45
p0 −350.9 ± 0.7836
pull
Entries 46
Mean 444.9
Std Dev 424.2
pull1D
Entries 46
Mean 0.00594
Std Dev 0.4631



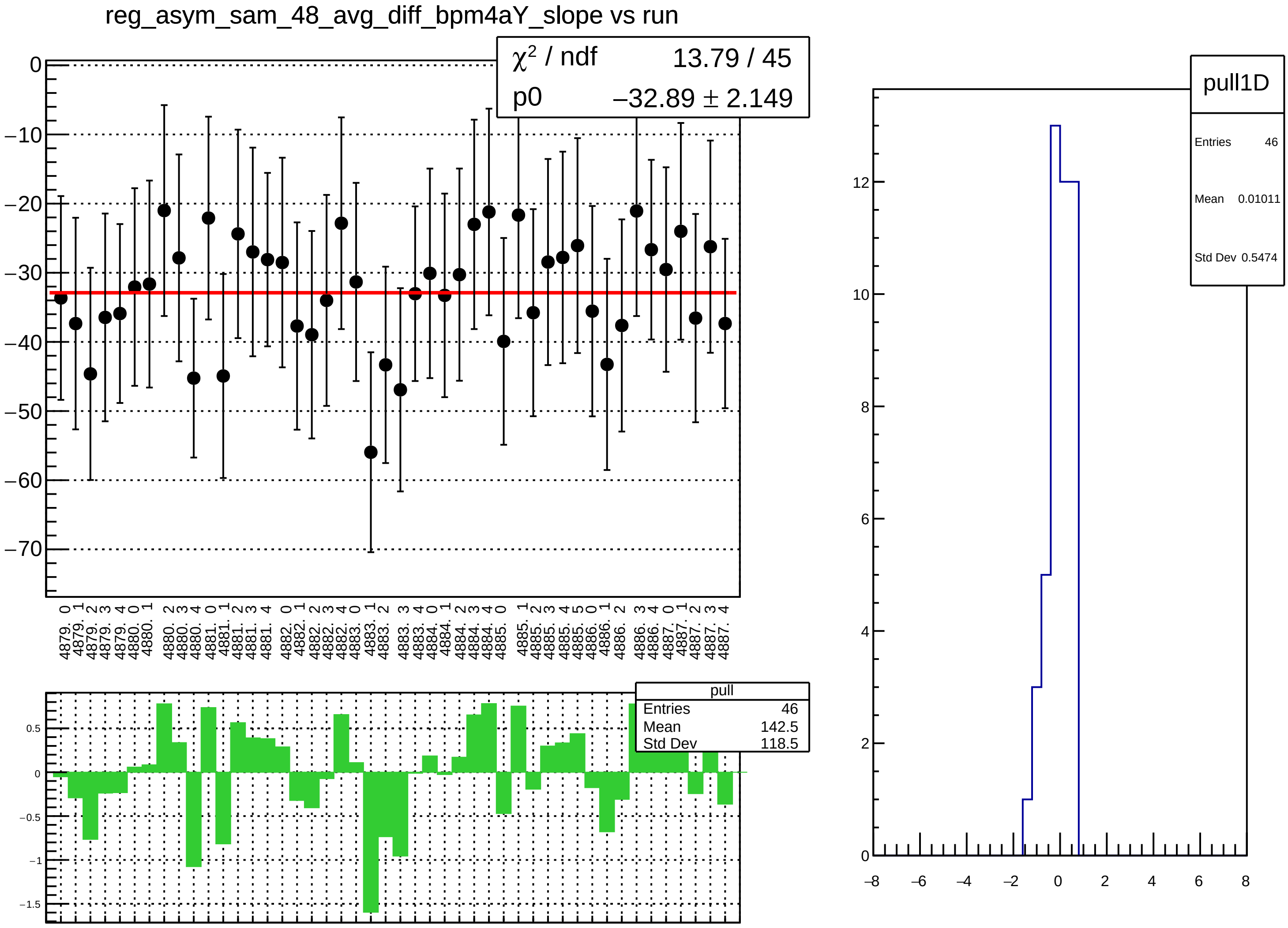
reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.485 / 45
p0 89.69 ± 6.552
pull
Entries 46
Mean −128.2
Std Dev 148.7
pull1D
Entries 46
Mean −0.005431
Std Dev 0.3754



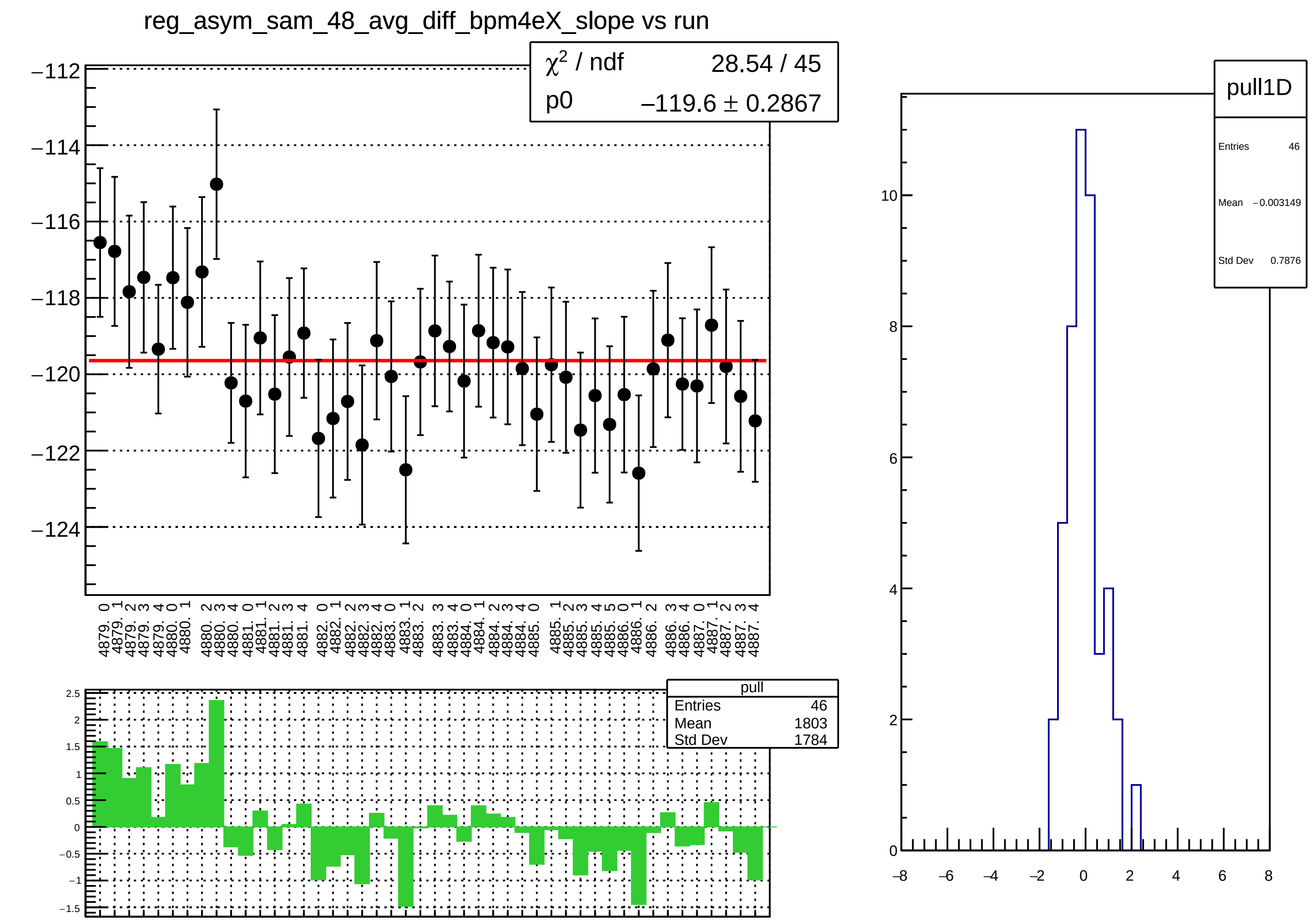
reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ^2 / ndf 6.742 / 45
p0 −18.71 ± 1.078
pull
Entries 46
Mean 38.35
Std Dev 38.69
pull1D
Entries 46
Mean 0.004521
Std Dev 0.3828



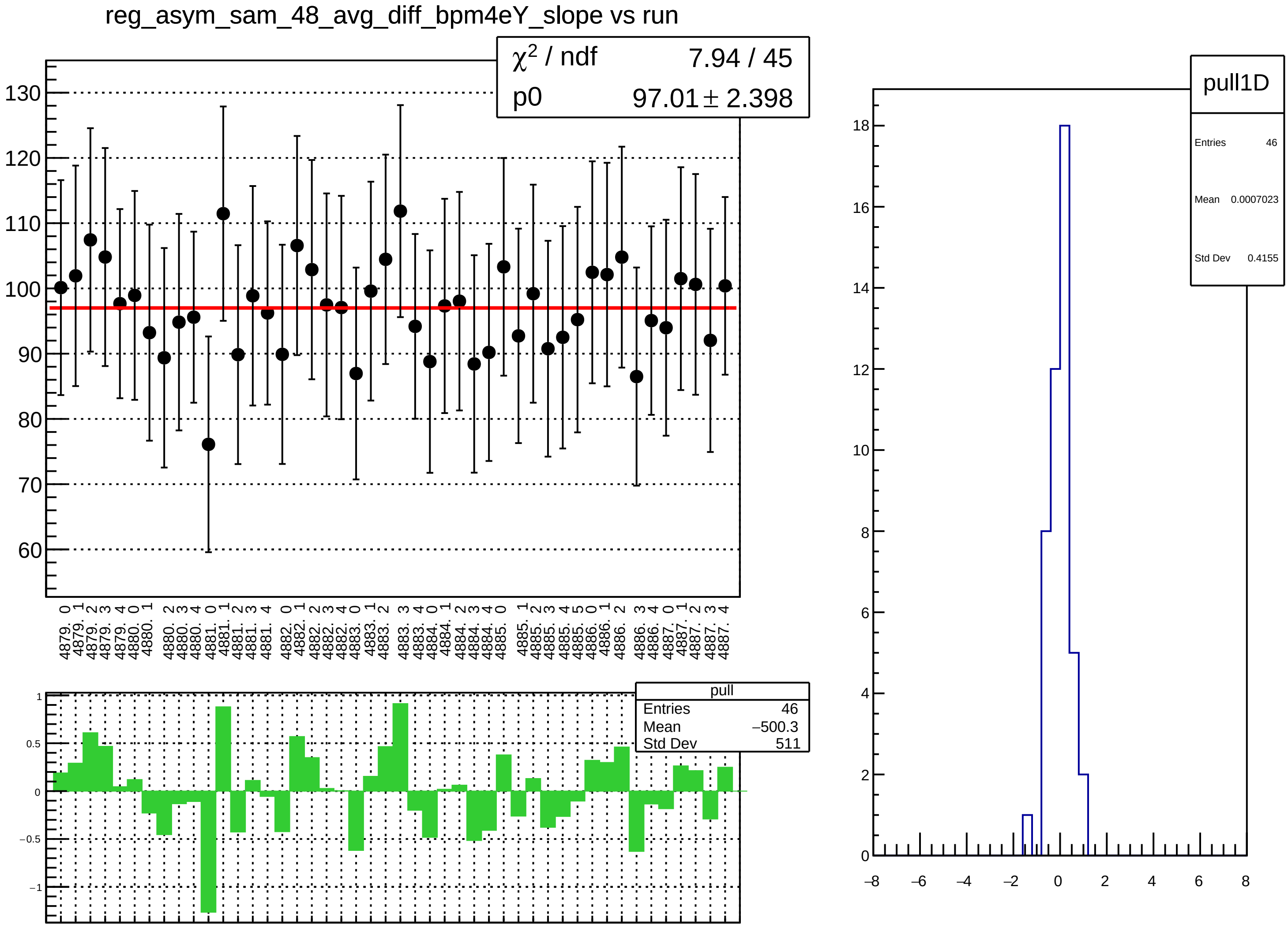
reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 39.29 / 45
p0 73.56 ± 1.511
pull
Entries 46
Mean 55.12
Std Dev 17.52
pull1D
Entries 46
Mean −0.05345
Std Dev 0.9227



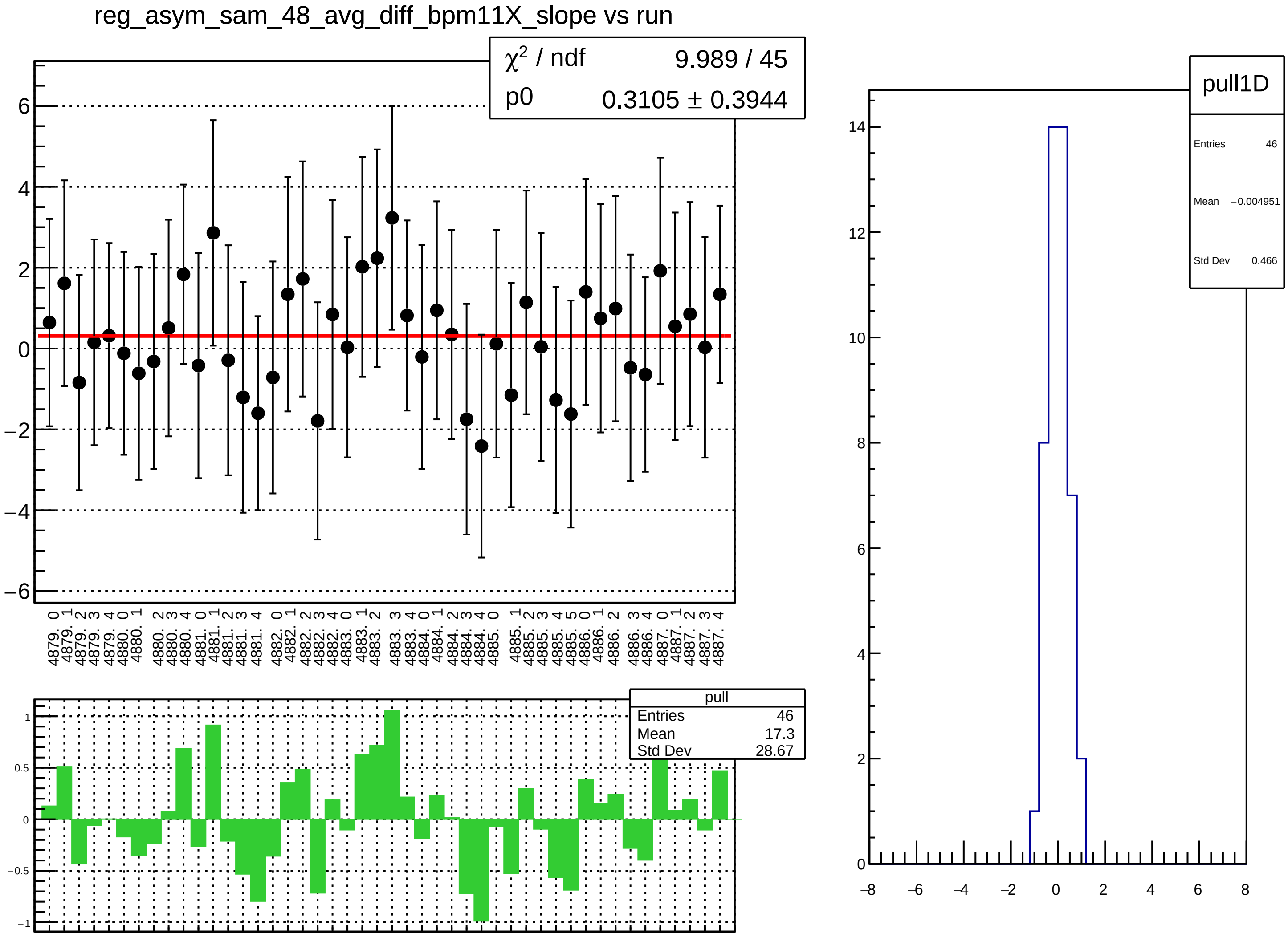
reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.79 / 45
p0 −32.89 ± 2.149
pull
Entries 46
Mean 142.5
Std Dev 118.5
pull1D
Entries 46
Mean 0.01011
Std Dev 0.5474



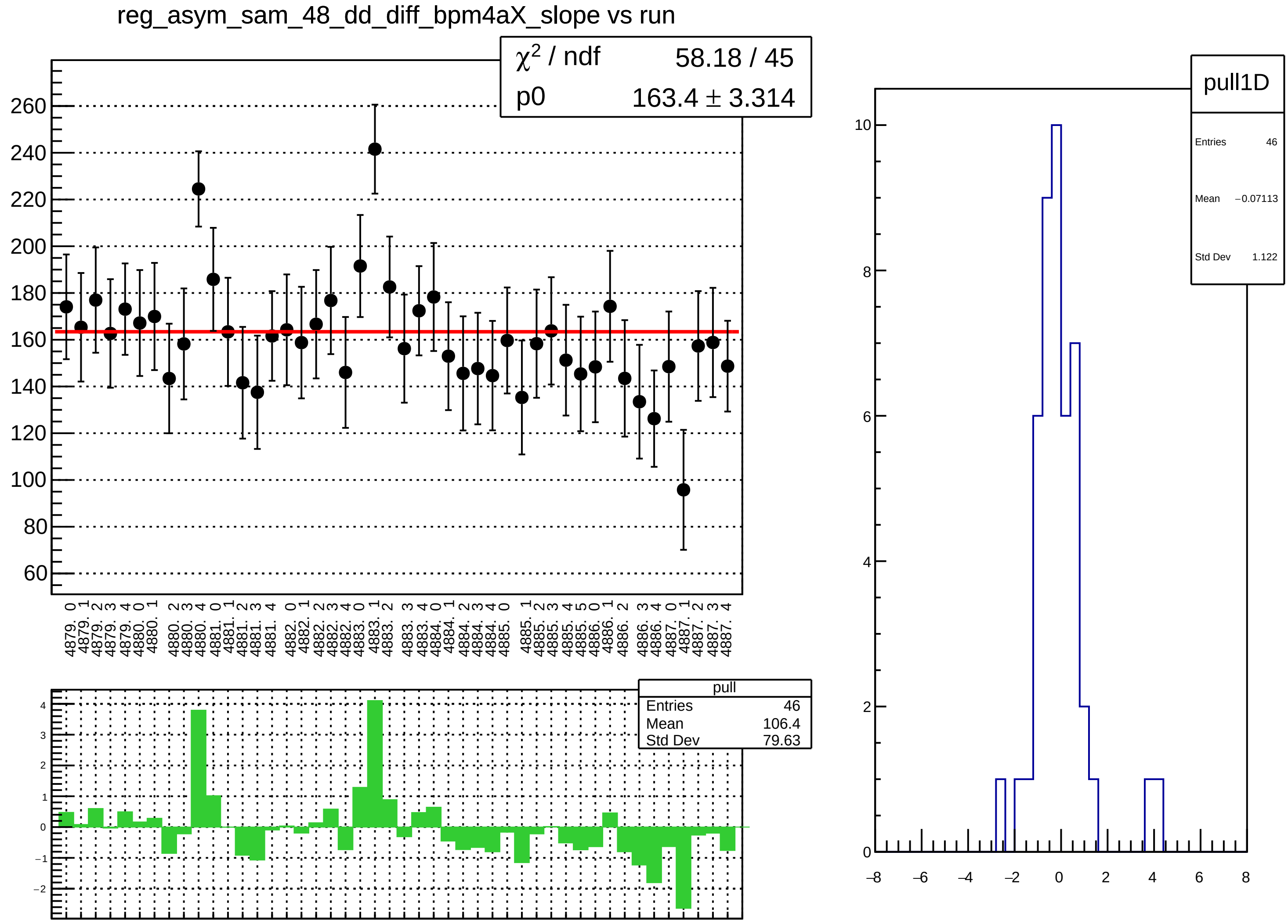
reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.54 / 45
p0 −119.6 ± 0.2867
pull
Entries 46
Mean 1803
Std Dev 1784
pull1D
Entries 46
Mean −0.003149
Std Dev 0.7876



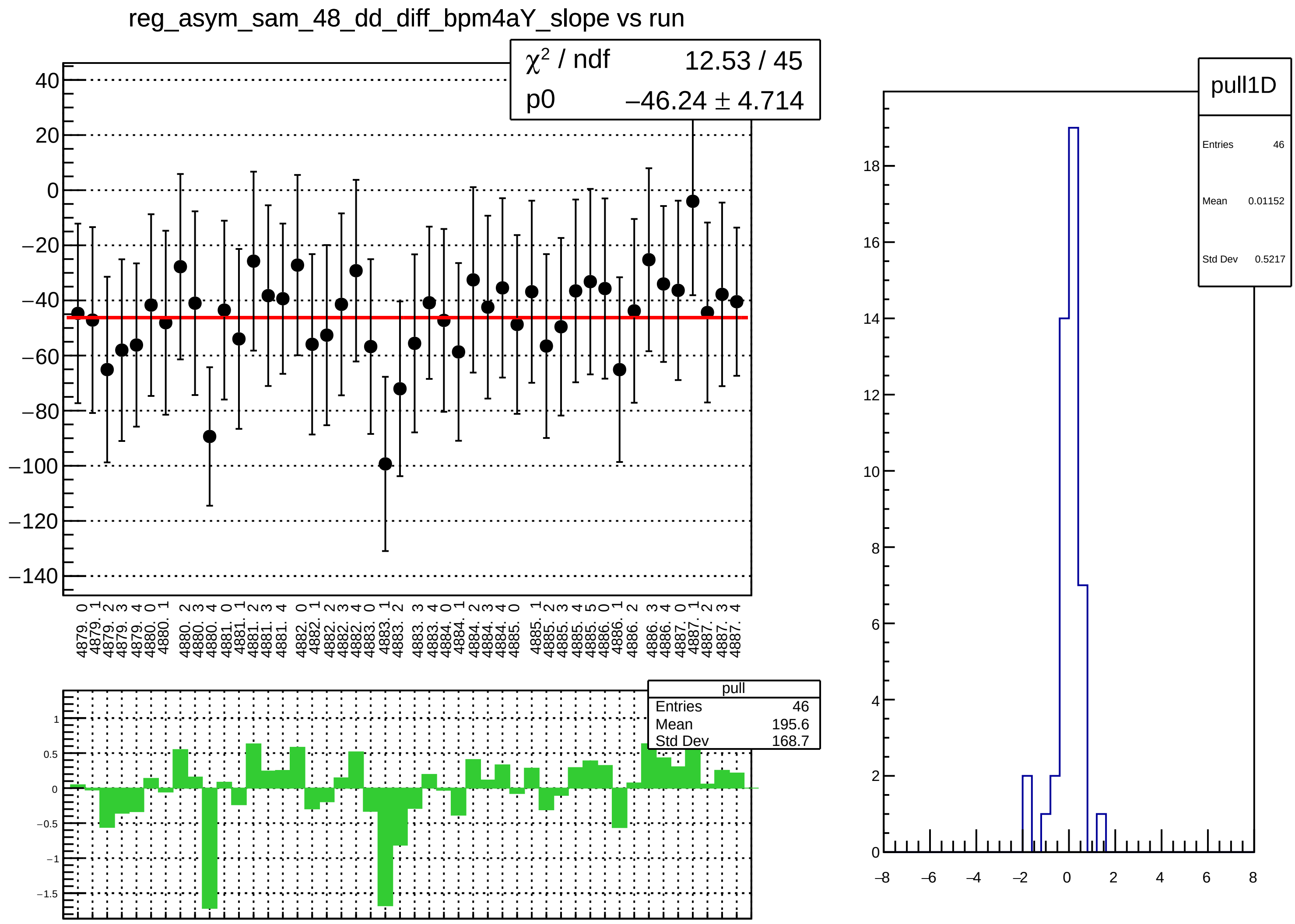
reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.94 / 45
p0 97.01 ± 2.398
pull
Entries 46
Mean −500.3
Std Dev 511
pull1D
Entries 46
Mean 0.0007023
Std Dev 0.4155



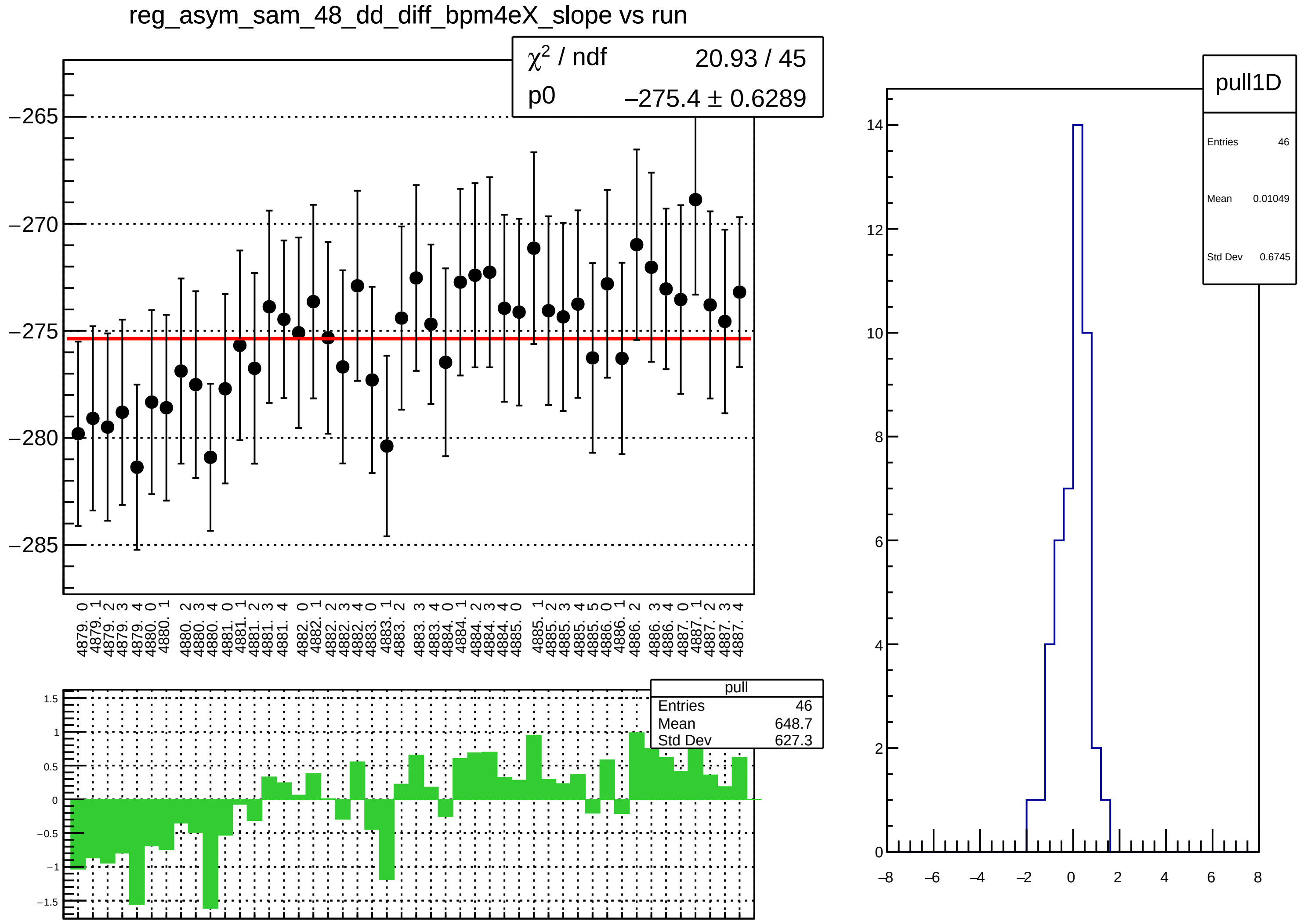
reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ^2 / ndf 9.989 / 45
p0 0.3105 ± 0.3944
pull
Entries 46
Mean 17.3
Std Dev 28.67
pull1D
Entries 46
Mean −0.004951
Std Dev 0.466



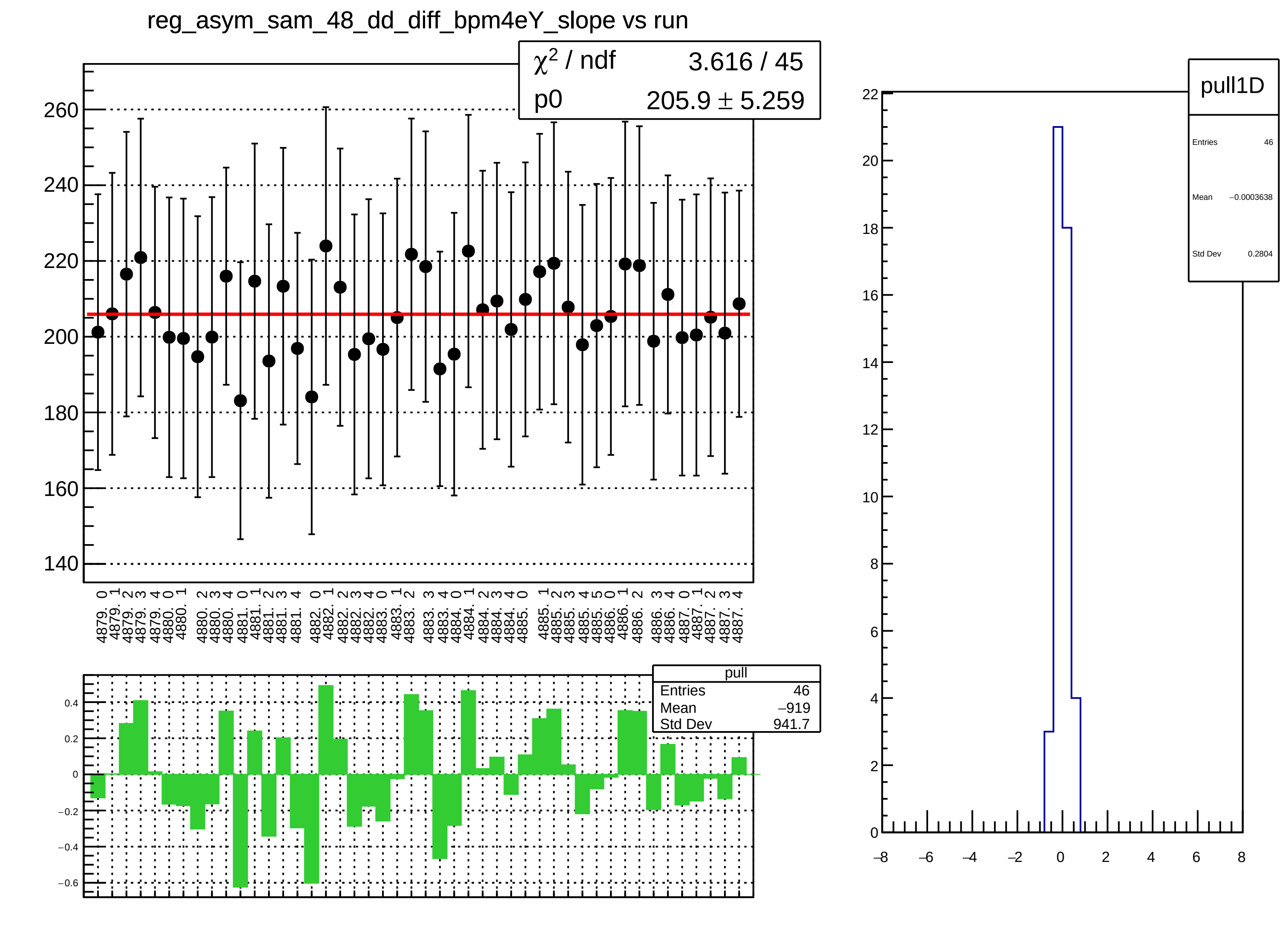
reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 58.18 / 45
p0 163.4 ± 3.314
pull
Entries 46
Mean 106.4
Std Dev 79.63
pull1D
Entries 46
Mean −0.07113
Std Dev 1.122

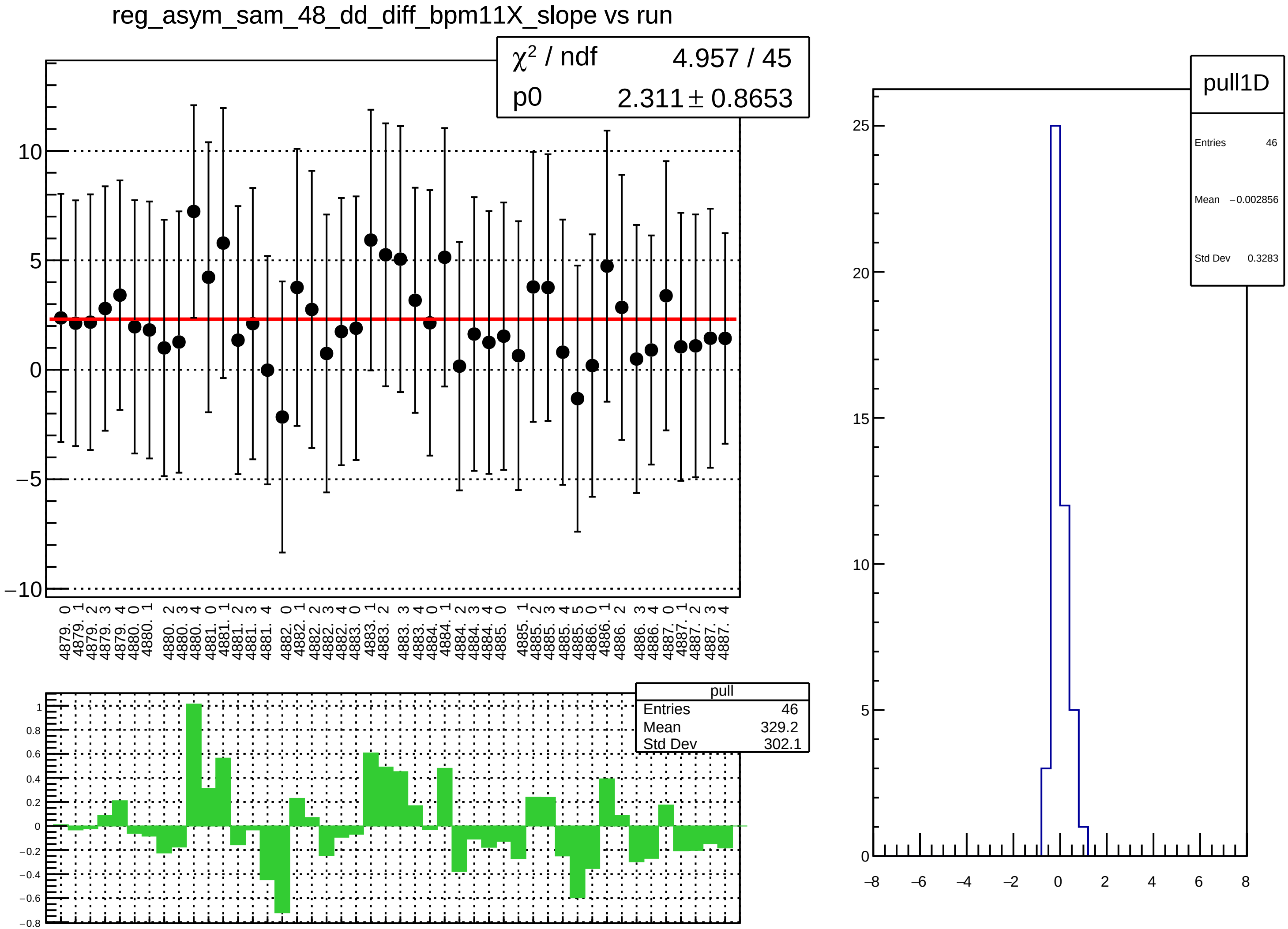


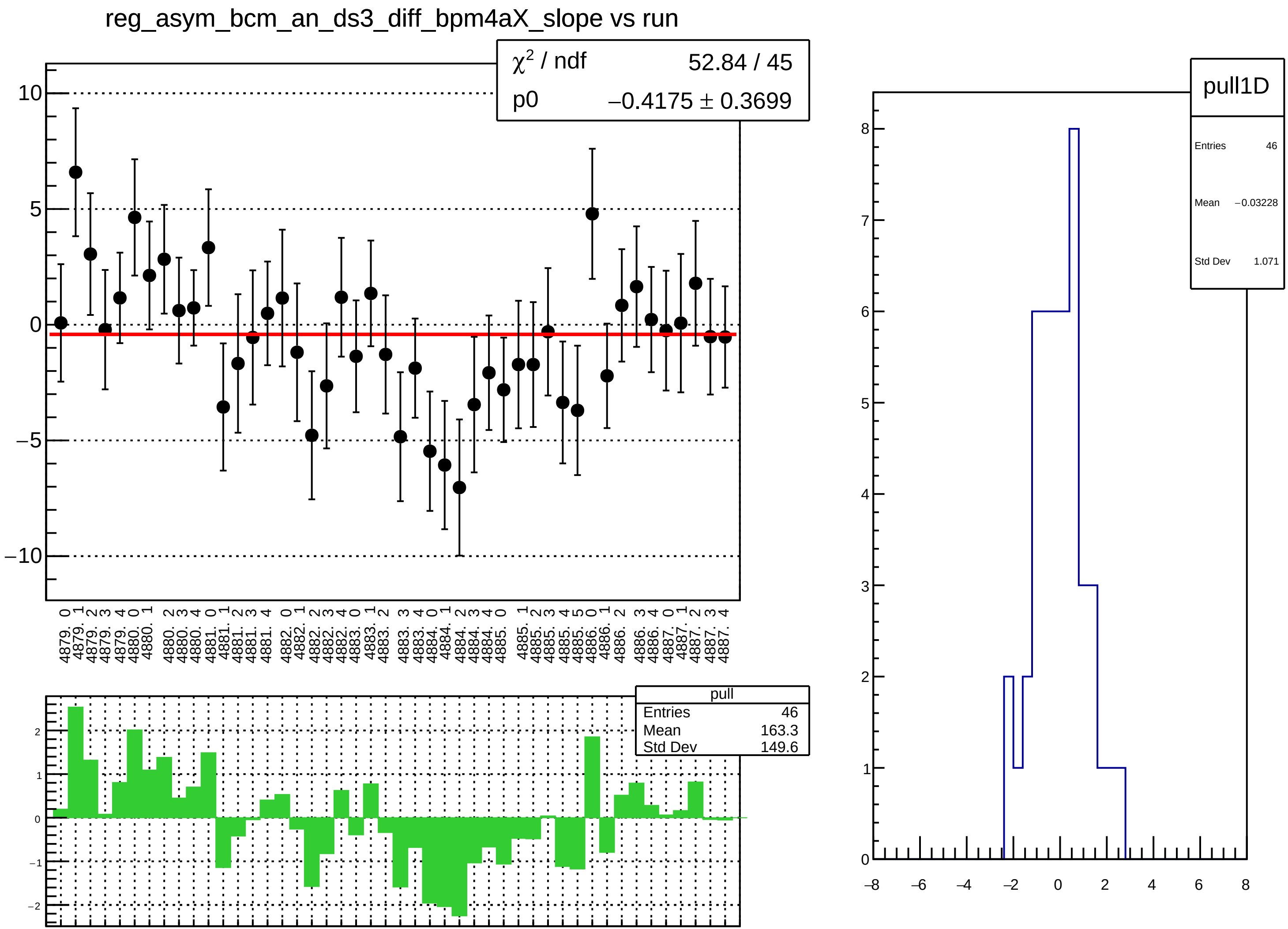
reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 12.53 / 45
p0 −46.24 ± 4.714
pull
Entries 46
Mean 195.6
Std Dev 168.7
pull1D
Entries 46
Mean 0.01152
Std Dev 0.5217



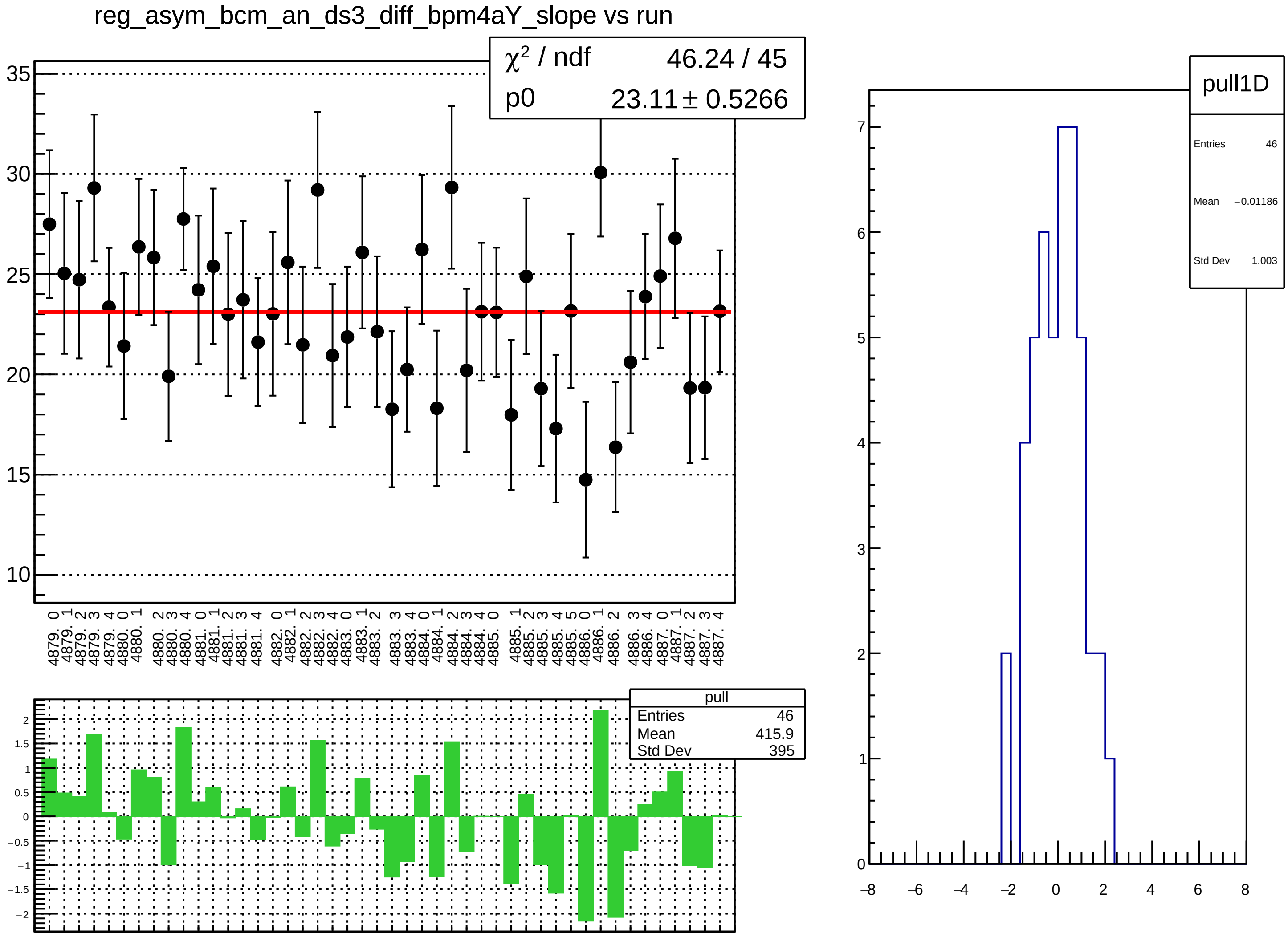
reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.93 / 45
p0 −275.4 ± 0.6289
pull
Entries 46
Mean 648.7
Std Dev 627.3
pull1D
Entries 46
Mean 0.01049
Std Dev 0.6745

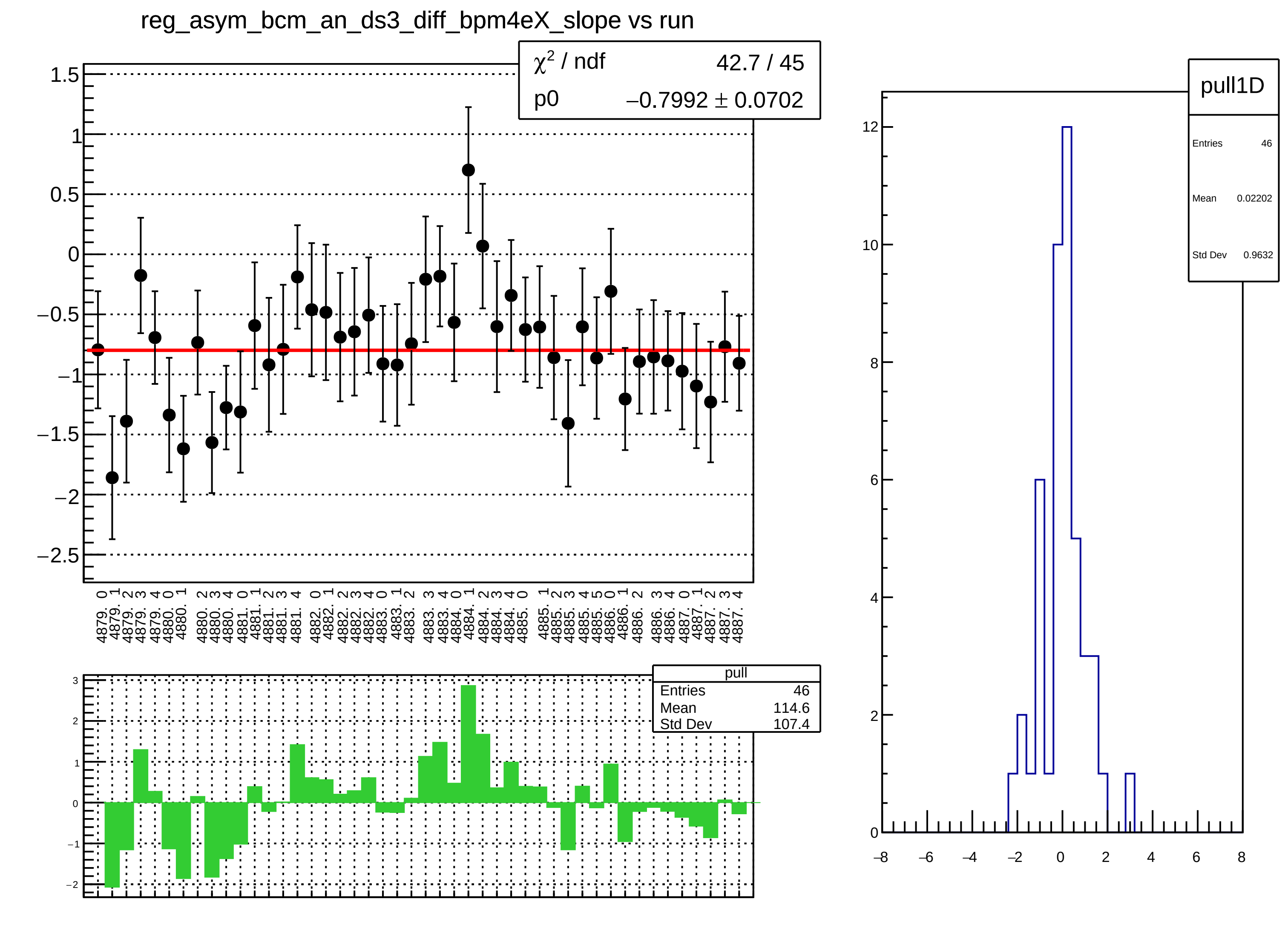

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.616 / 45
p0 205.9 ± 5.259
pull
Entries 46
Mean −919
Std Dev 941.7
pull1D
Entries 46
Mean −0.0003638
Std Dev 0.2804


reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ^2 / ndf 4.957 / 45
p0 2.311 ± 0.8653
pull
Entries 46
Mean 329.2
Std Dev 302.1
pull1D
Entries 46
Mean −0.002856
Std Dev 0.3283

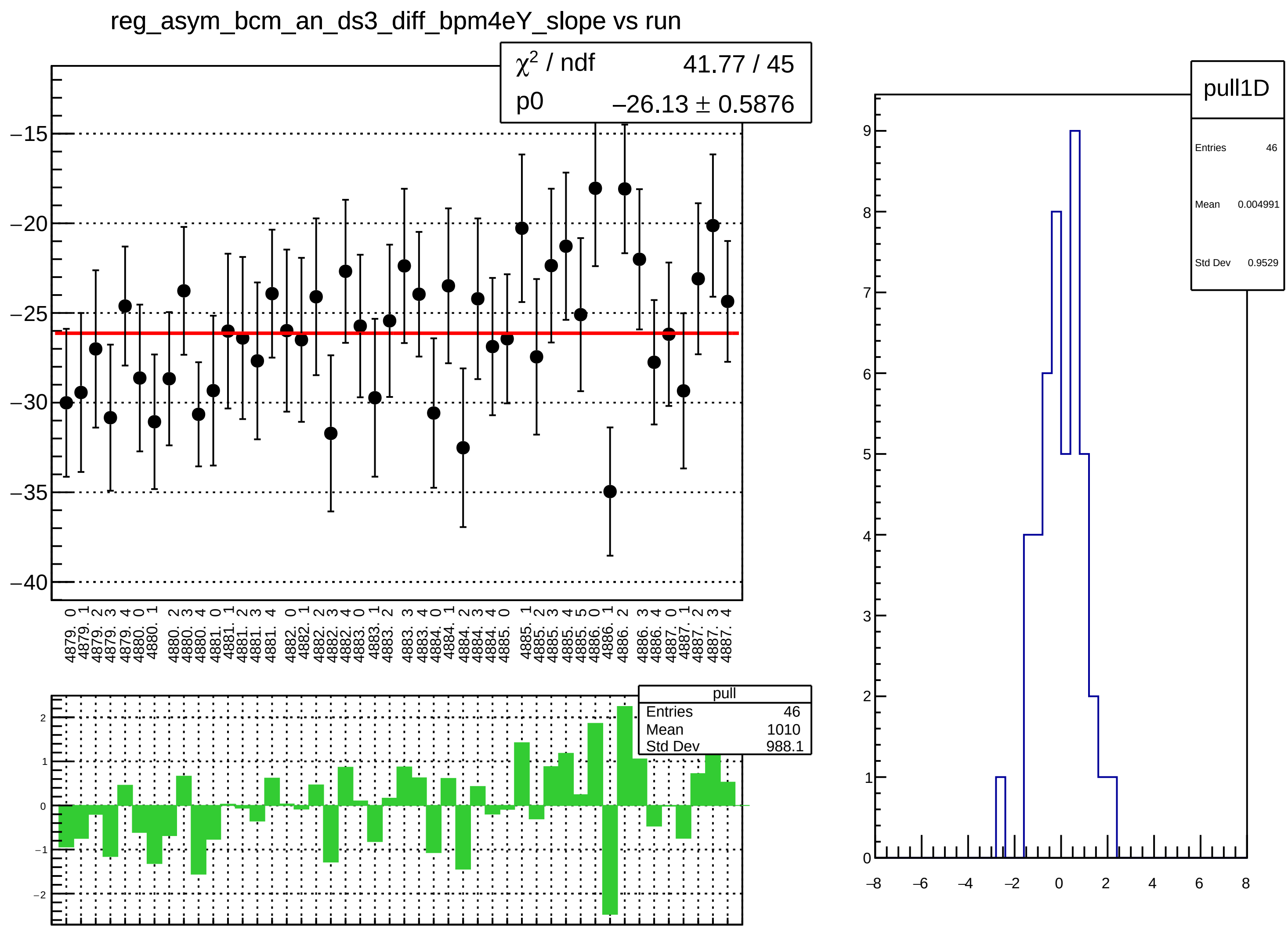


reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ^2 / ndf 52.84 / 45
p0 −0.4175 ± 0.3699
10
5
0
−5
−10
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 163.3
Std Dev 149.6
2
1
0
−1
−2
pull1D
Entries 46
Mean −0.03228
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

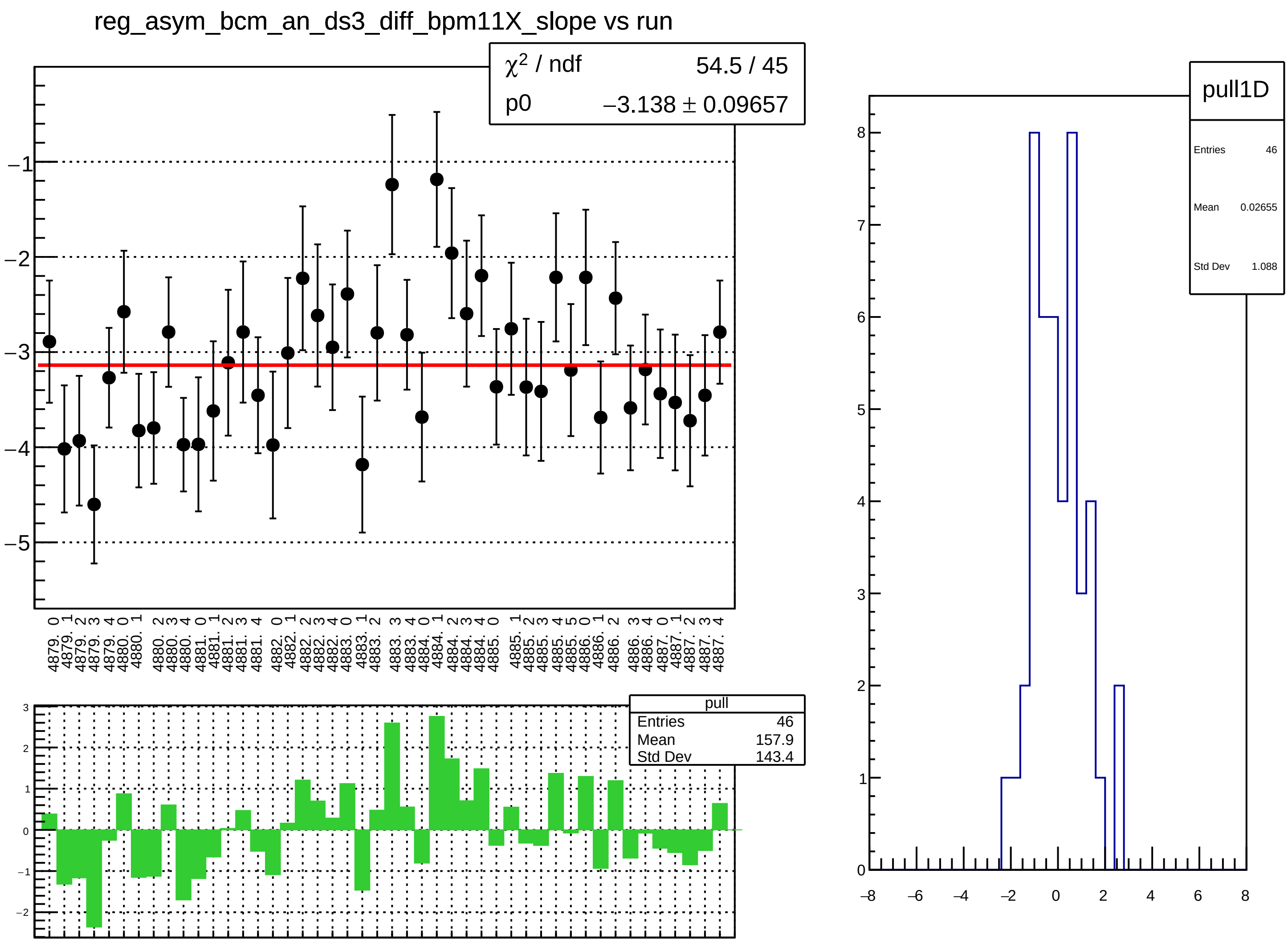

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ^2 / ndf 46.24 / 45
p0 23.11 ± 0.5266
35
30
25
20
15
10
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 415.9
Std Dev 395
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 46
Mean −0.01186
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8



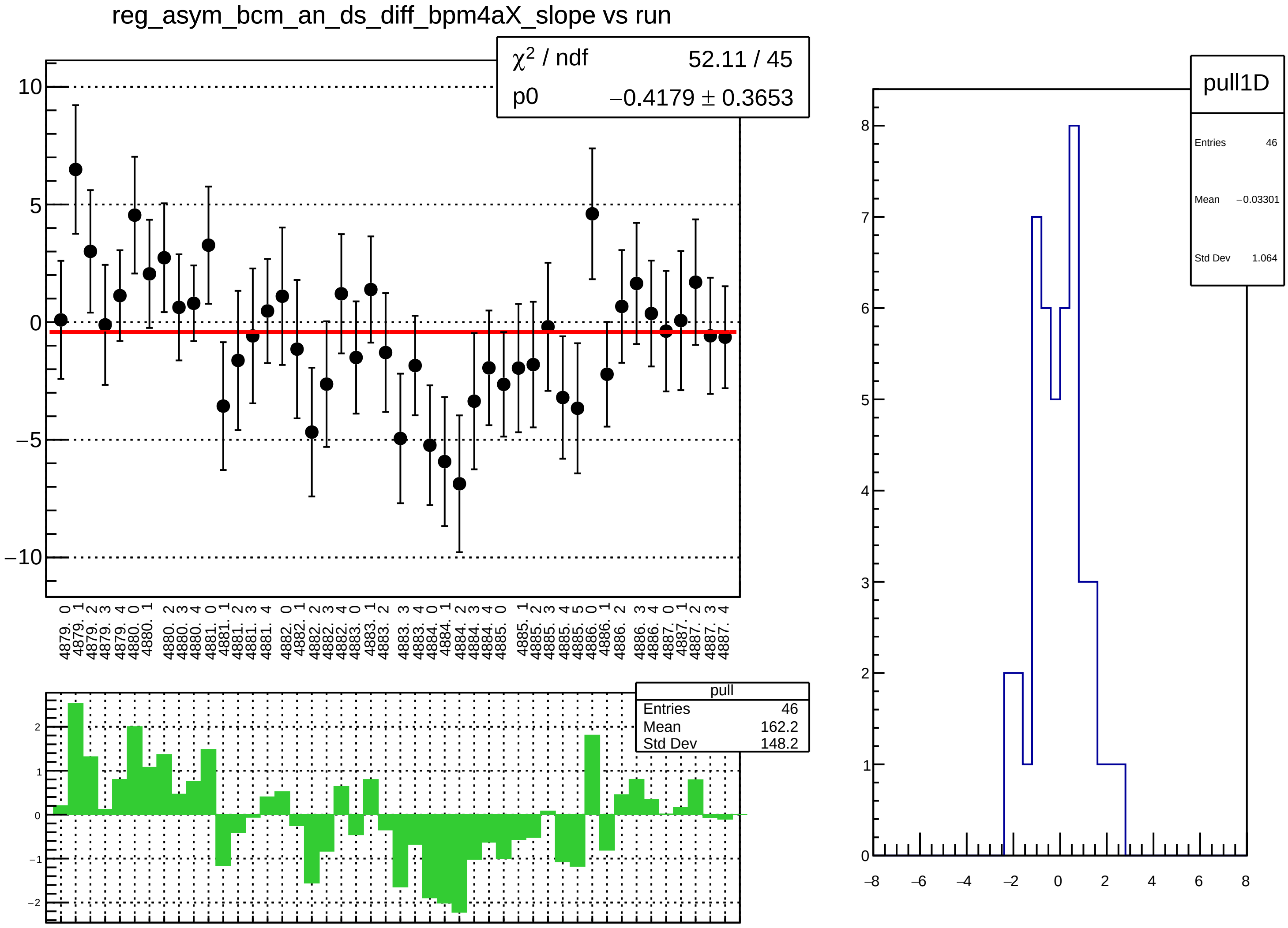
reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ2 / ndf 42.7 / 45
p0 −0.7992 ± 0.0702
pull
Entries 46
Mean 114.6
Std Dev 107.4
pull1D
Entries 46
Mean 0.02202
Std Dev 0.9632



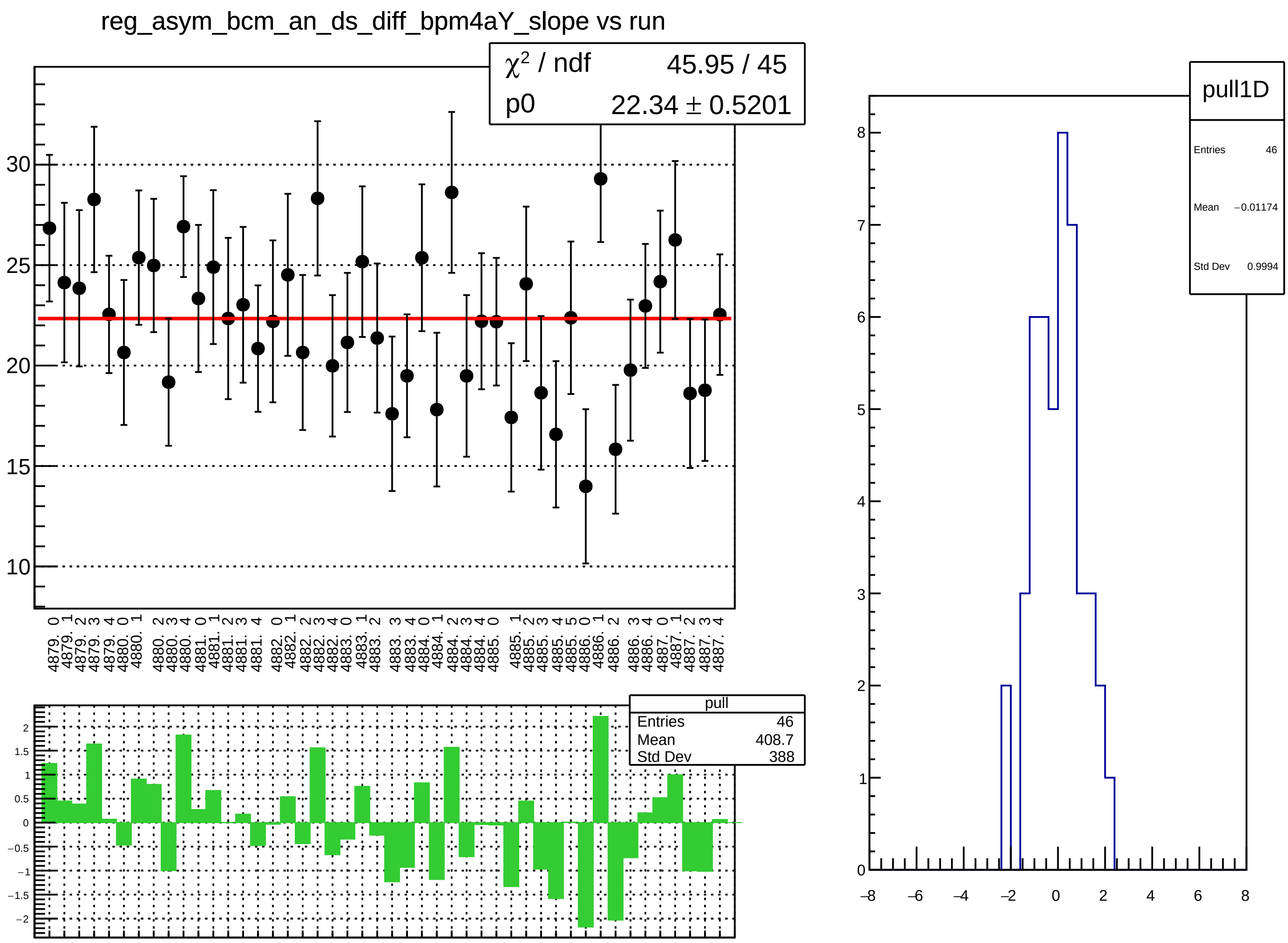
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ^2 / ndf 41.77 / 45
p0 −26.13 ± 0.5876
pull
Entries 46
Mean 1010
Std Dev 988.1
pull1D
Entries 46
Mean 0.004991
Std Dev 0.9529

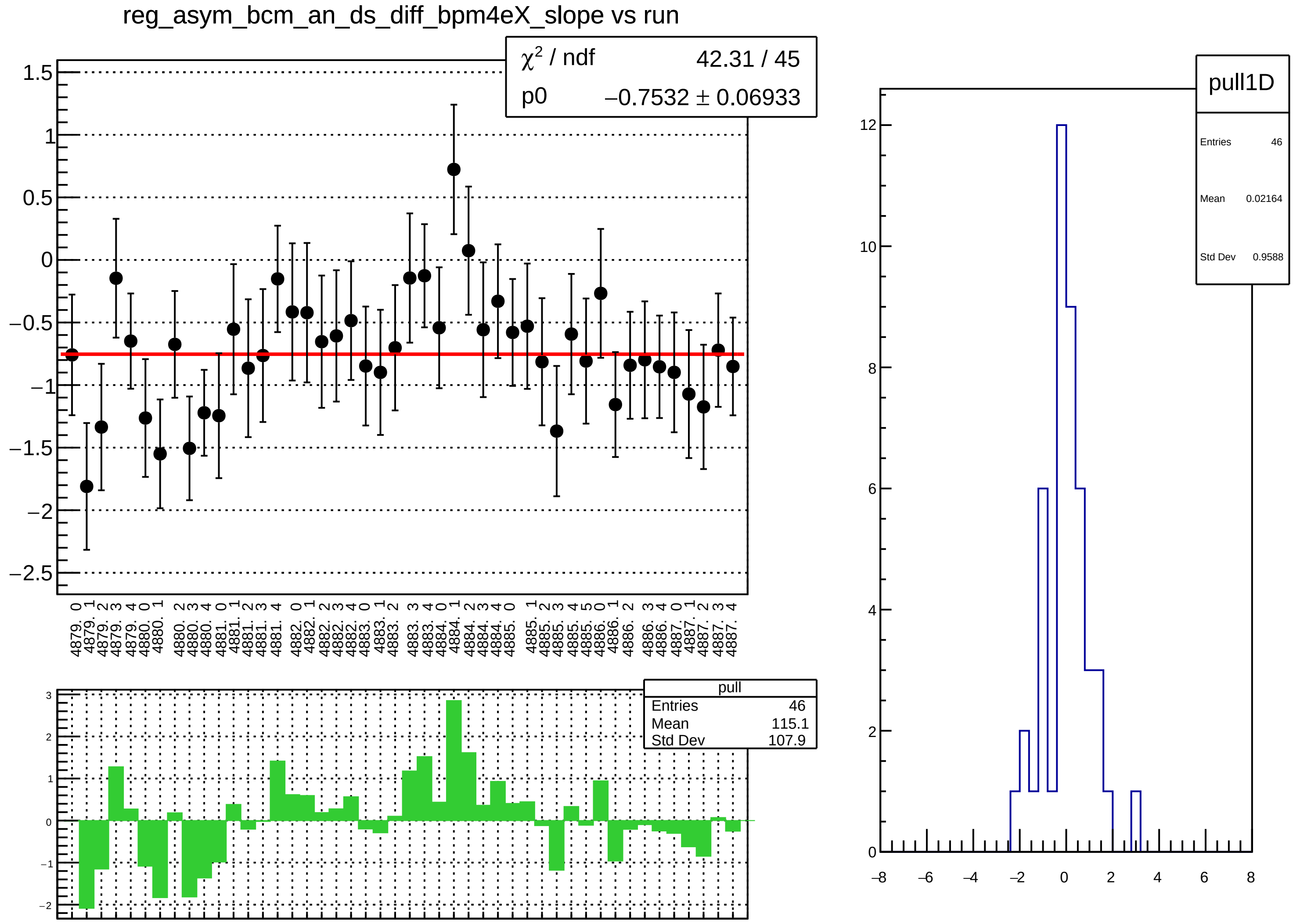


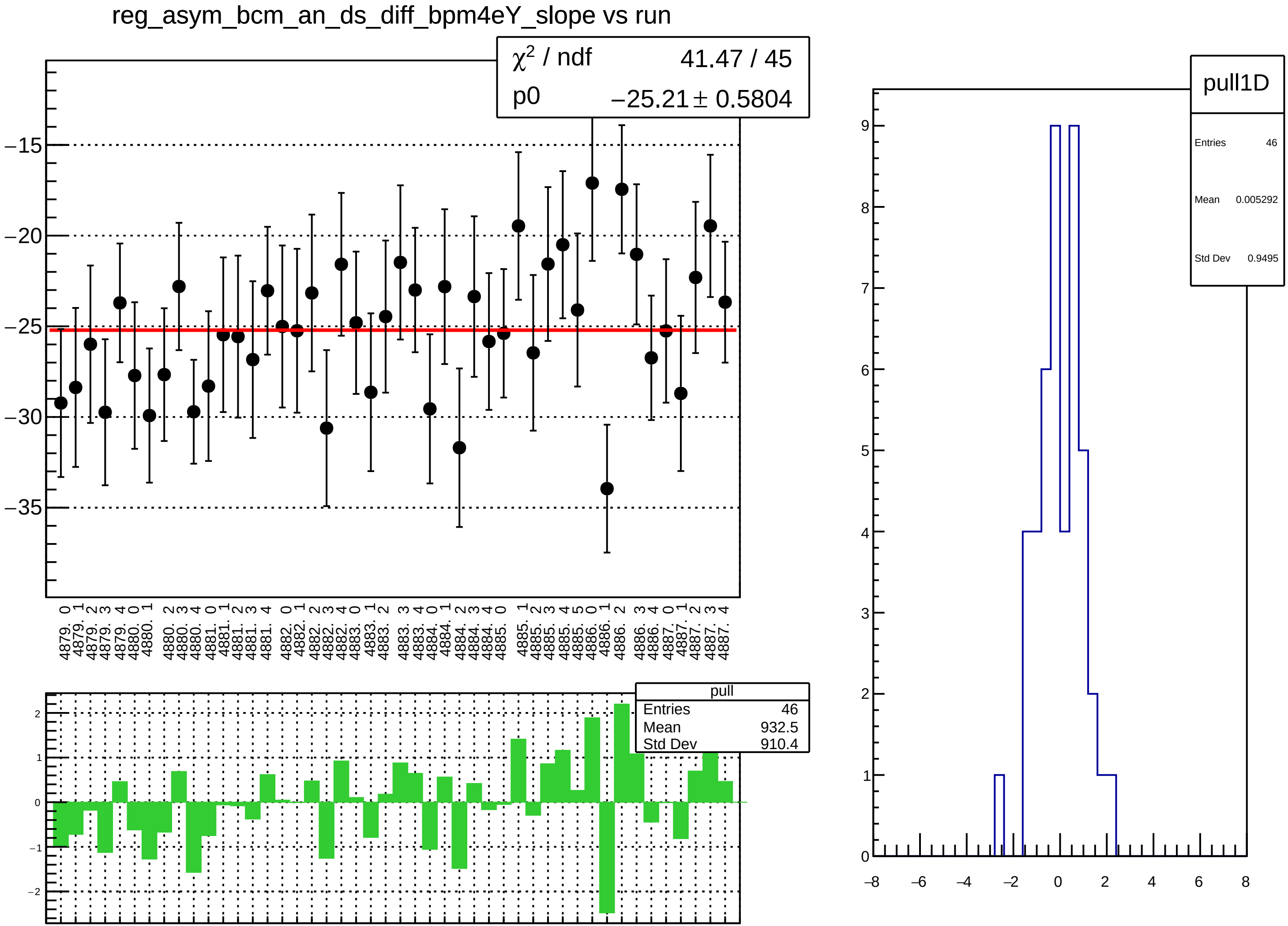
reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ^2 / ndf 54.5 / 45
p0 −3.138 ± 0.09657
pull
Entries 46
Mean 157.9
Std Dev 143.4
pull1D
Entries 46
Mean 0.02655
Std Dev 1.088

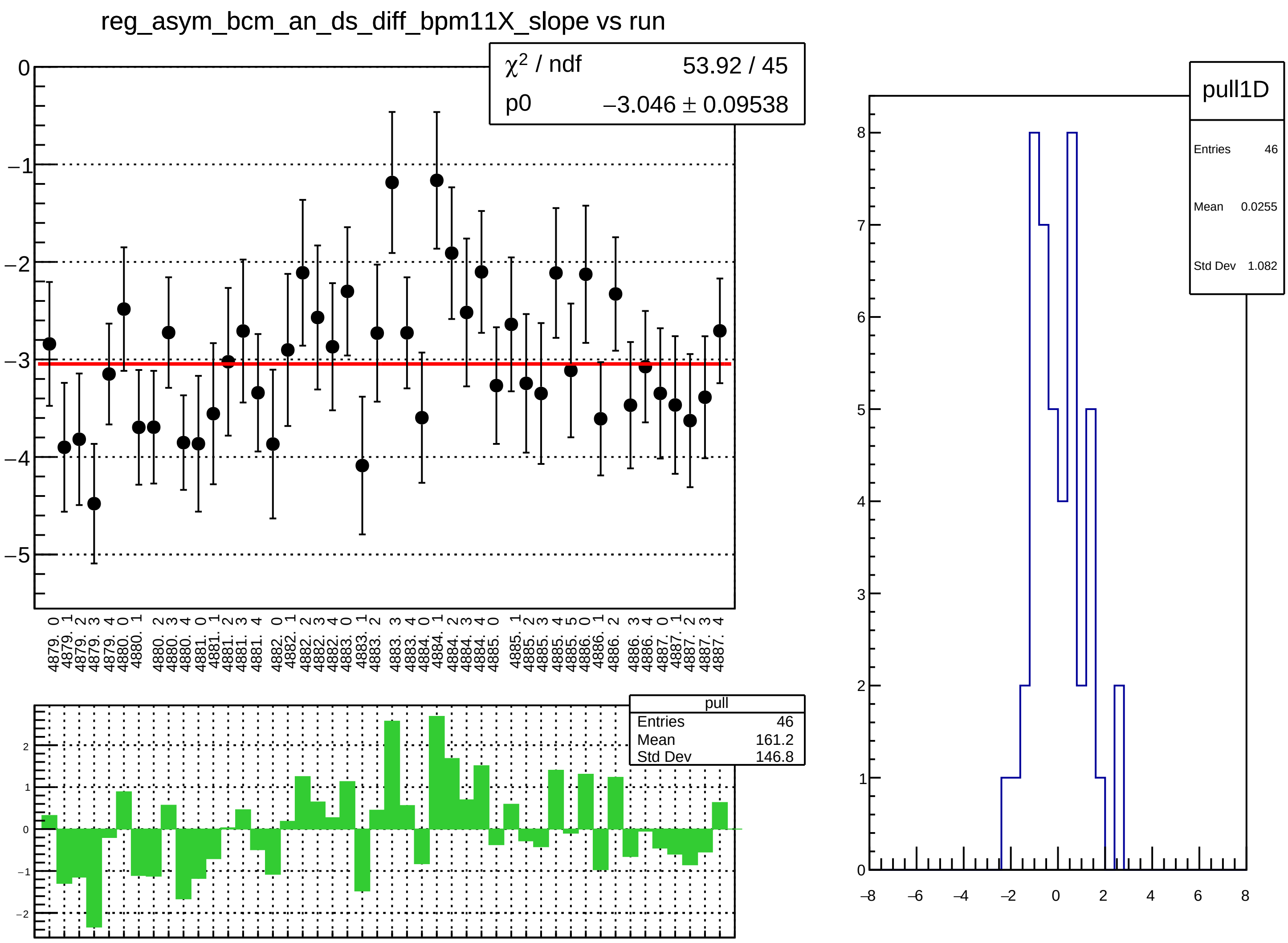


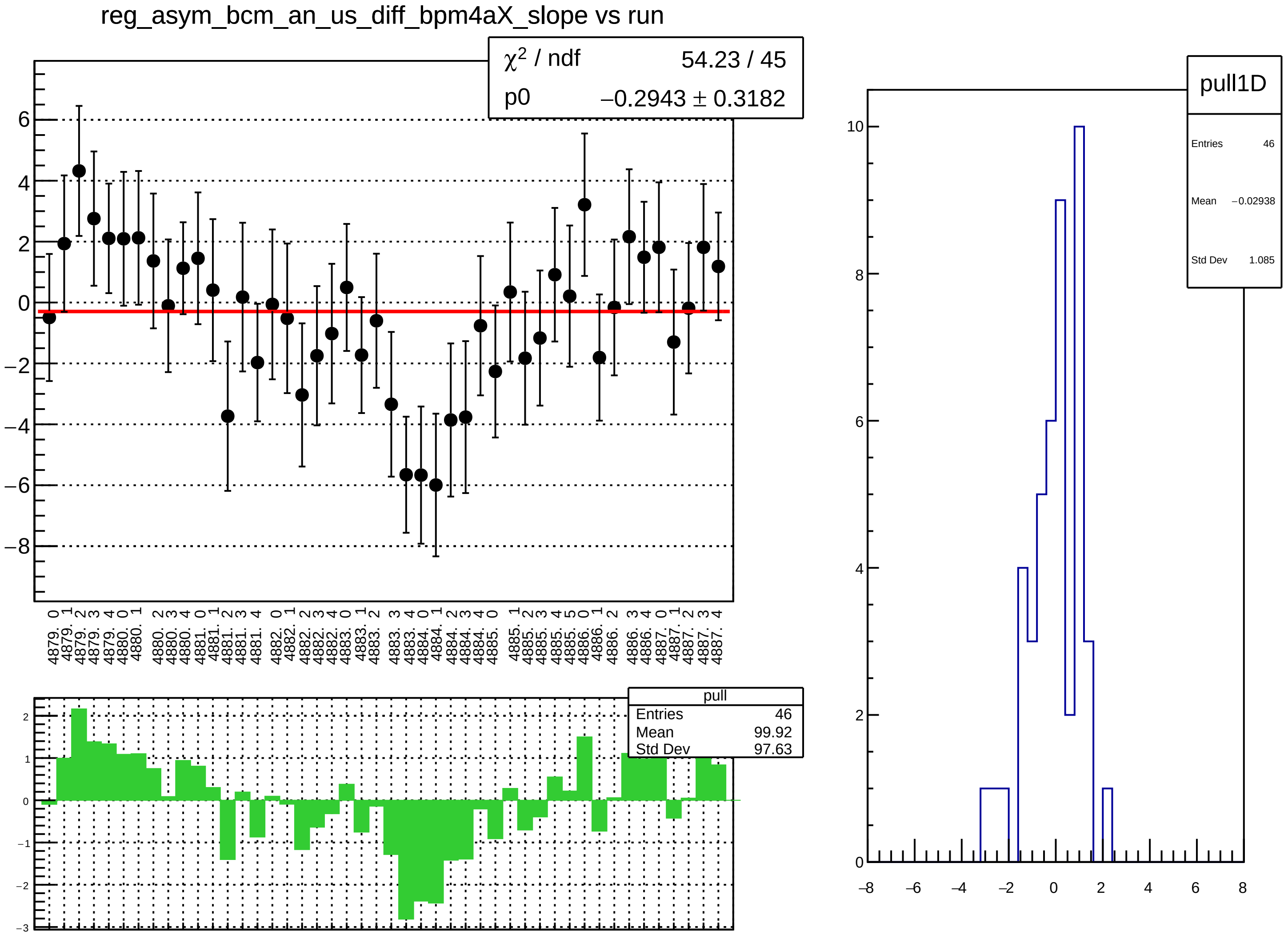
reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 52.11 / 45
p0 −0.4179 ± 0.3653
pull
Entries 46
Mean 162.2
Std Dev 148.2
pull1D
Entries 46
Mean −0.03301
Std Dev 1.064

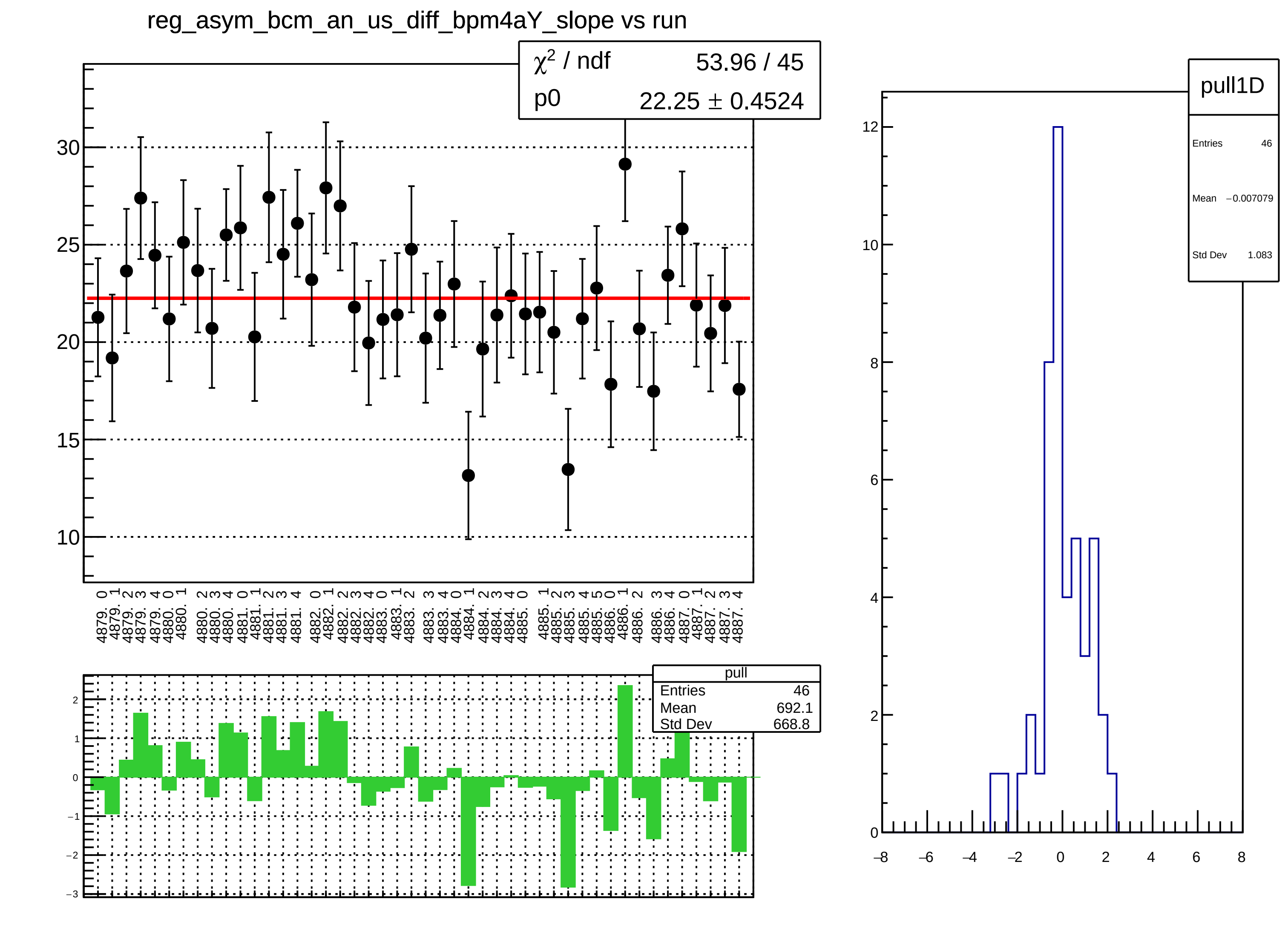

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ^2 / ndf 45.95 / 45
p0 22.34 ± 0.5201
pull
Entries 46
Mean 408.7
Std Dev 388
pull1D
Entries 46
Mean −0.01174
Std Dev 0.9994


reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 42.31 / 45
p0 −0.7532 ± 0.06933
pull
Entries 46
Mean 115.1
Std Dev 107.9
pull1D
Entries 46
Mean 0.02164
Std Dev 0.9588

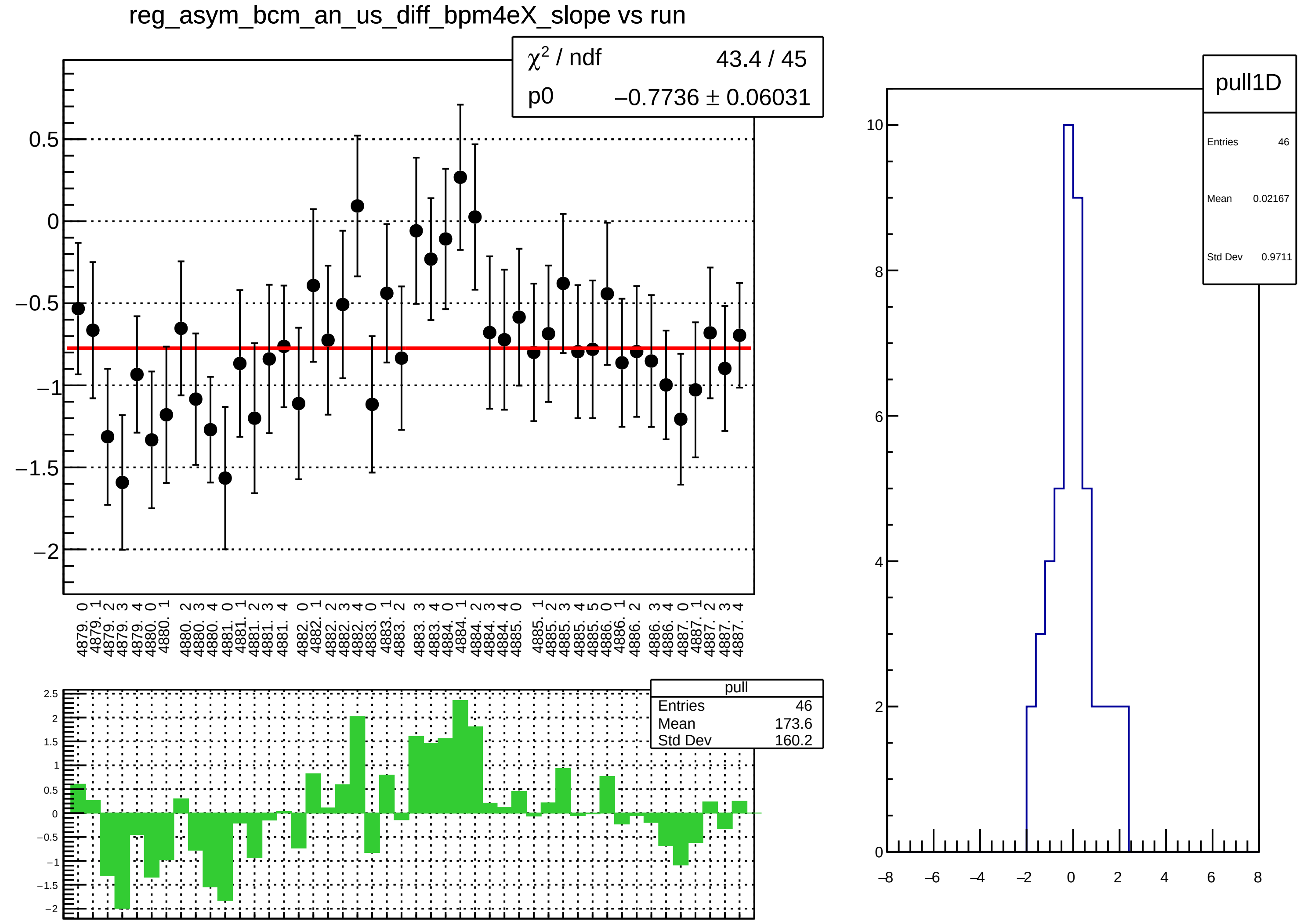

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 41.47 / 45
p0 −25.21 ± 0.5804
−15
−20
−25
−30
−35
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 932.5
Std Dev 910.4
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.005292
Std Dev 0.9495
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ^2 / ndf 53.92 / 45
p0 −3.046 ± 0.09538
pull
Entries 46
Mean 161.2
Std Dev 146.8
pull1D
Entries 46
Mean 0.0255
Std Dev 1.082

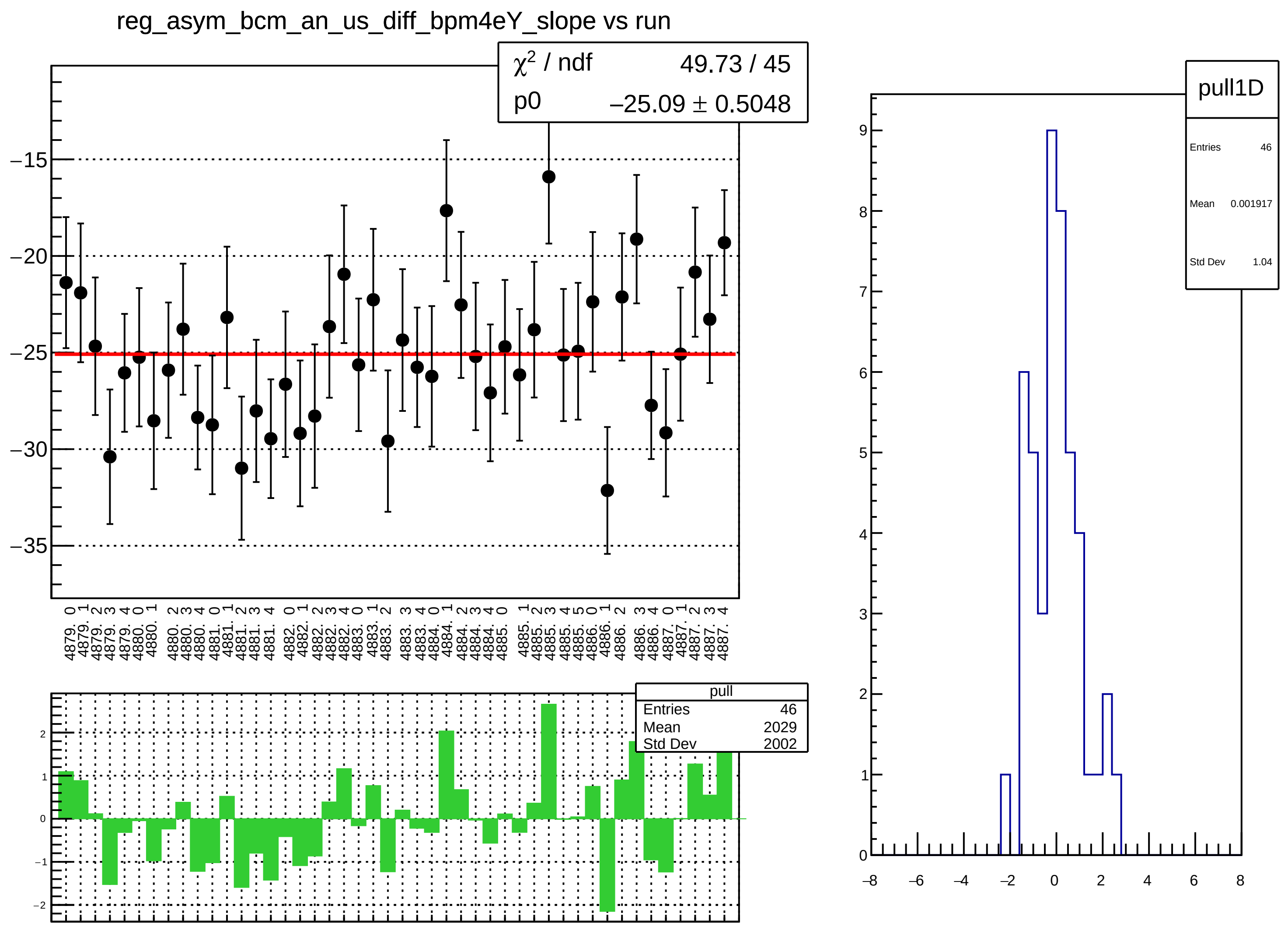

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ^2 / ndf 54.23 / 45
p0 −0.2943 ± 0.3182
4879.0 4879.1 4879.2 4879.3 4879.4 4880.0 4880.1 4880.2 4880.3 4880.4 4881.0 4881.1 4881.2 4881.3 4881.4 4882.0 4882.1 4882.2 4882.3 4882.4 4883.0 4883.1 4883.2 4883.3 4883.4 4884.0 4884.1 4884.2 4884.3 4884.4 4885.0 4885.1 4885.2 4885.3 4885.4 4885.5 4886.0 4886.1 4886.2 4886.3 4886.4 4887.0 4887.1 4887.2 4887.3 4887.4
pull
Entries 46
Mean 99.92
Std Dev 97.63
pull1D
Entries 46
Mean −0.02938
Std Dev 1.085



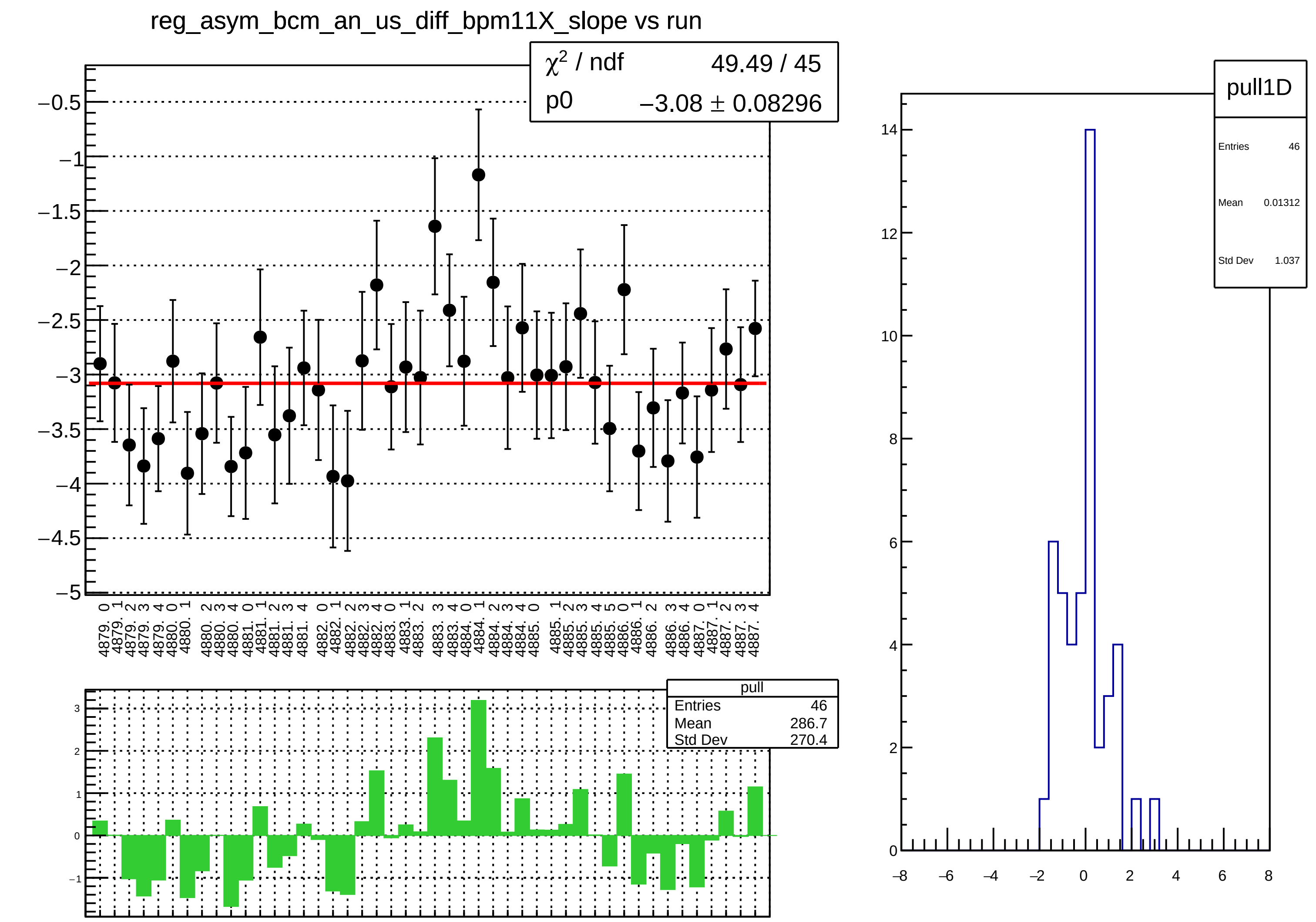
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 53.96 / 45
p0 22.25 ± 0.4524
pull
Entries 46
Mean 692.1
Std Dev 668.8
pull1D
Entries 46
Mean −0.007079
Std Dev 1.083



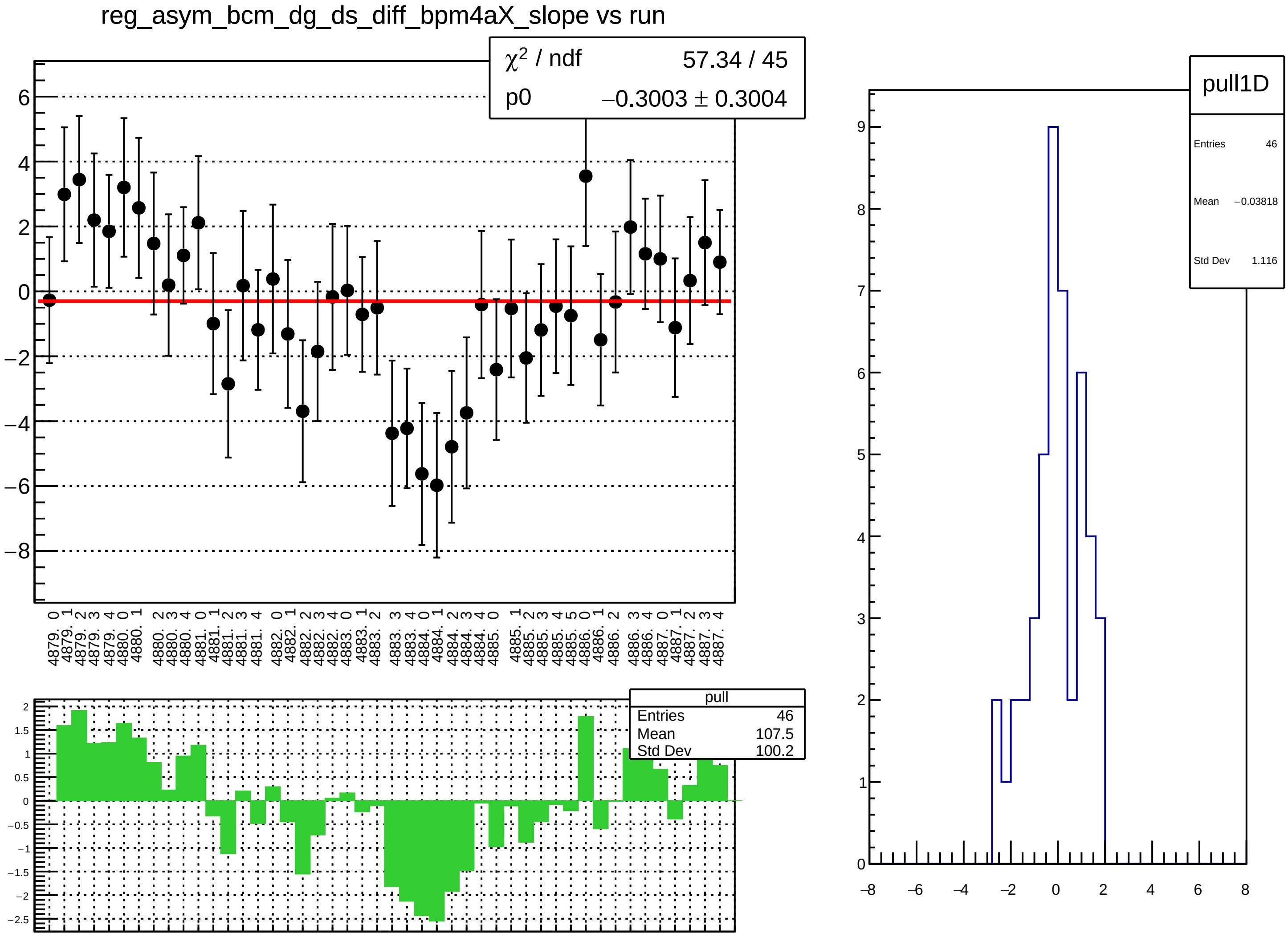
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 43.4 / 45
p0 −0.7736 ± 0.06031
pull
Entries 46
Mean 173.6
Std Dev 160.2
pull1D
Entries 46
Mean 0.02167
Std Dev 0.9711

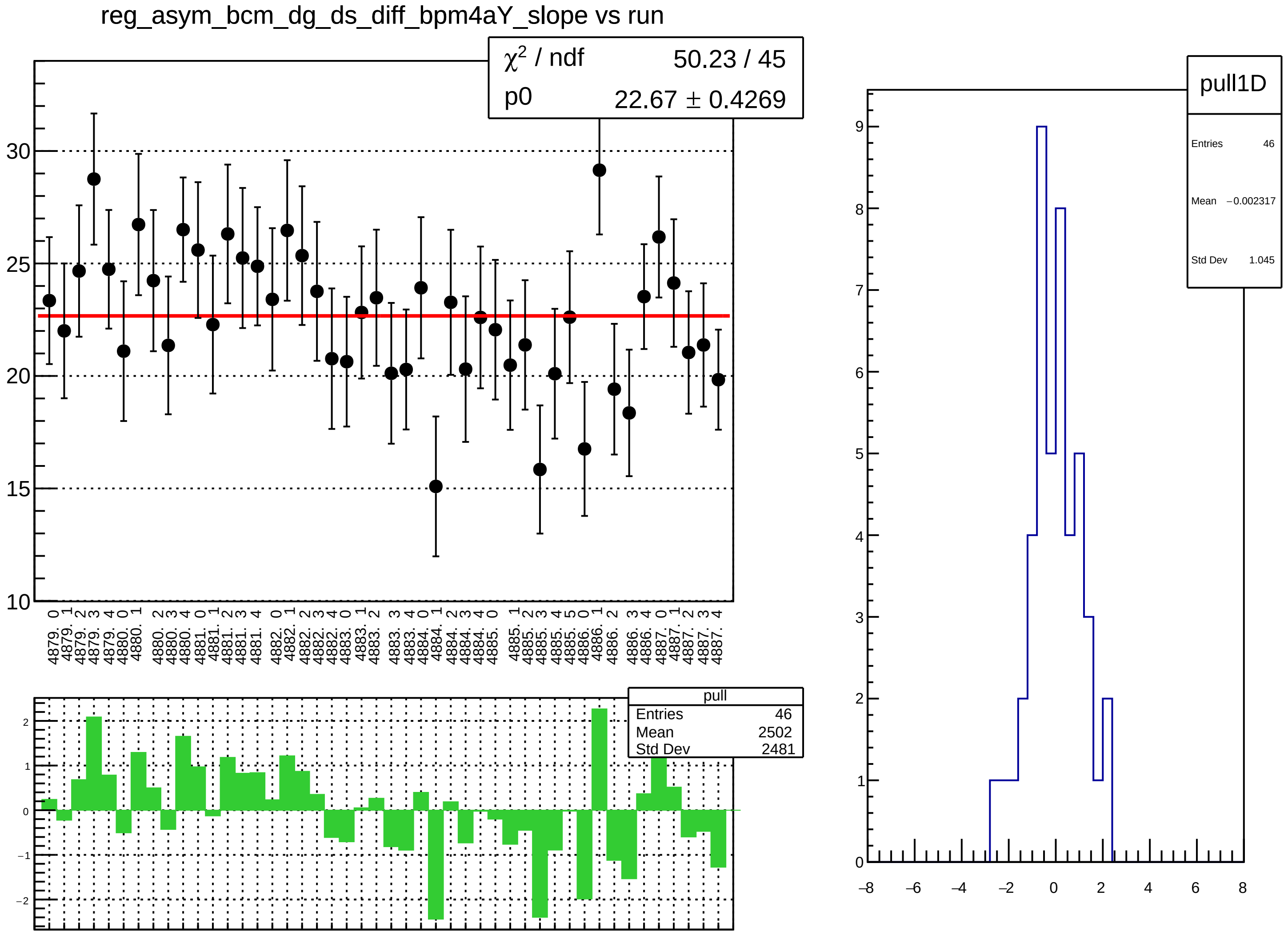


reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ2 / ndf 49.73 / 45
p0 −25.09 ± 0.5048
pull
Entries 46
Mean 2029
Std Dev 2002
pull1D
Entries 46
Mean 0.001917
Std Dev 1.04

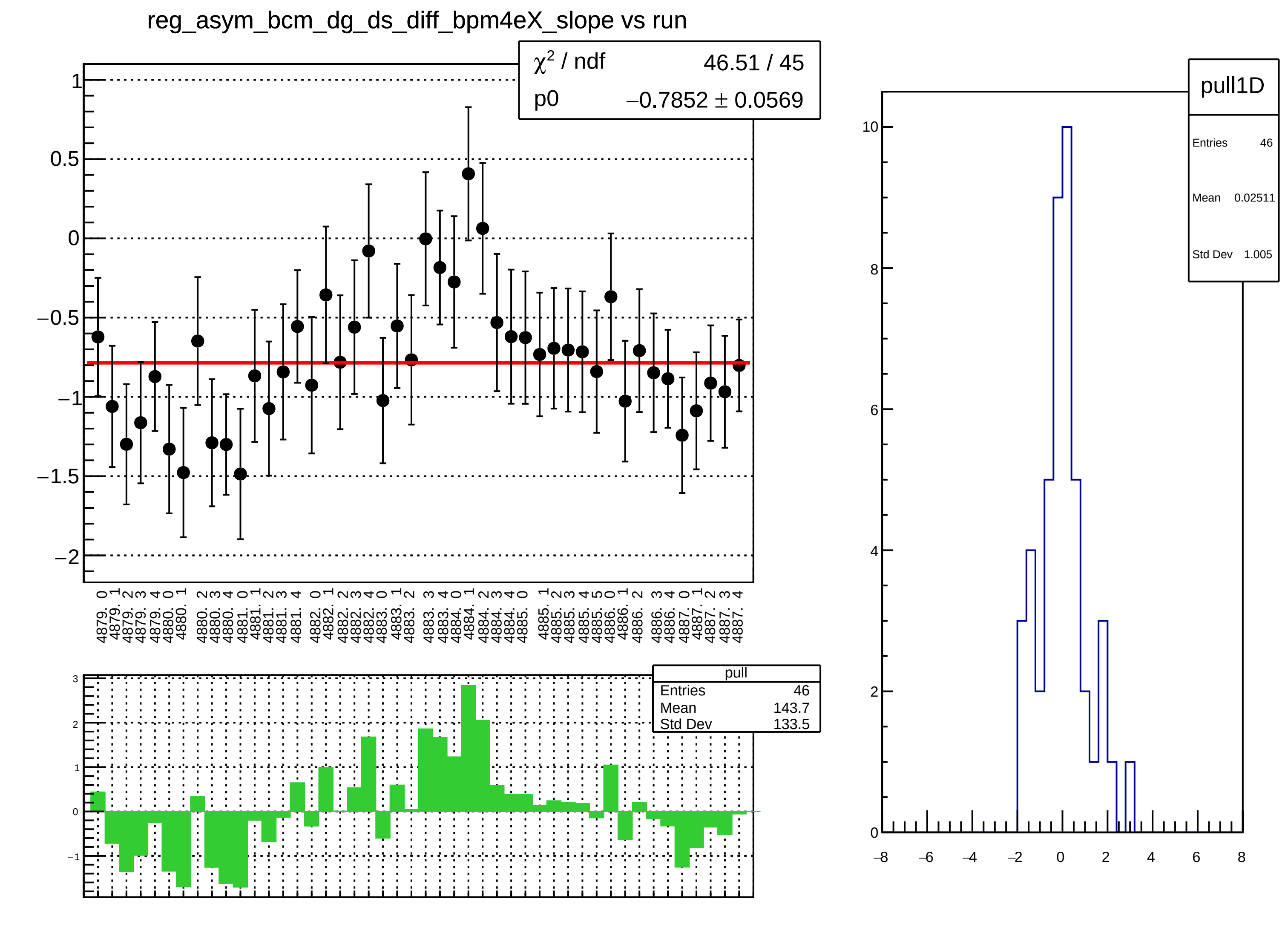


reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ^2 / ndf 49.49 / 45
p0 −3.08 ± 0.08296
pull
Entries 46
Mean 286.7
Std Dev 270.4
pull1D
Entries 46
Mean 0.01312
Std Dev 1.037

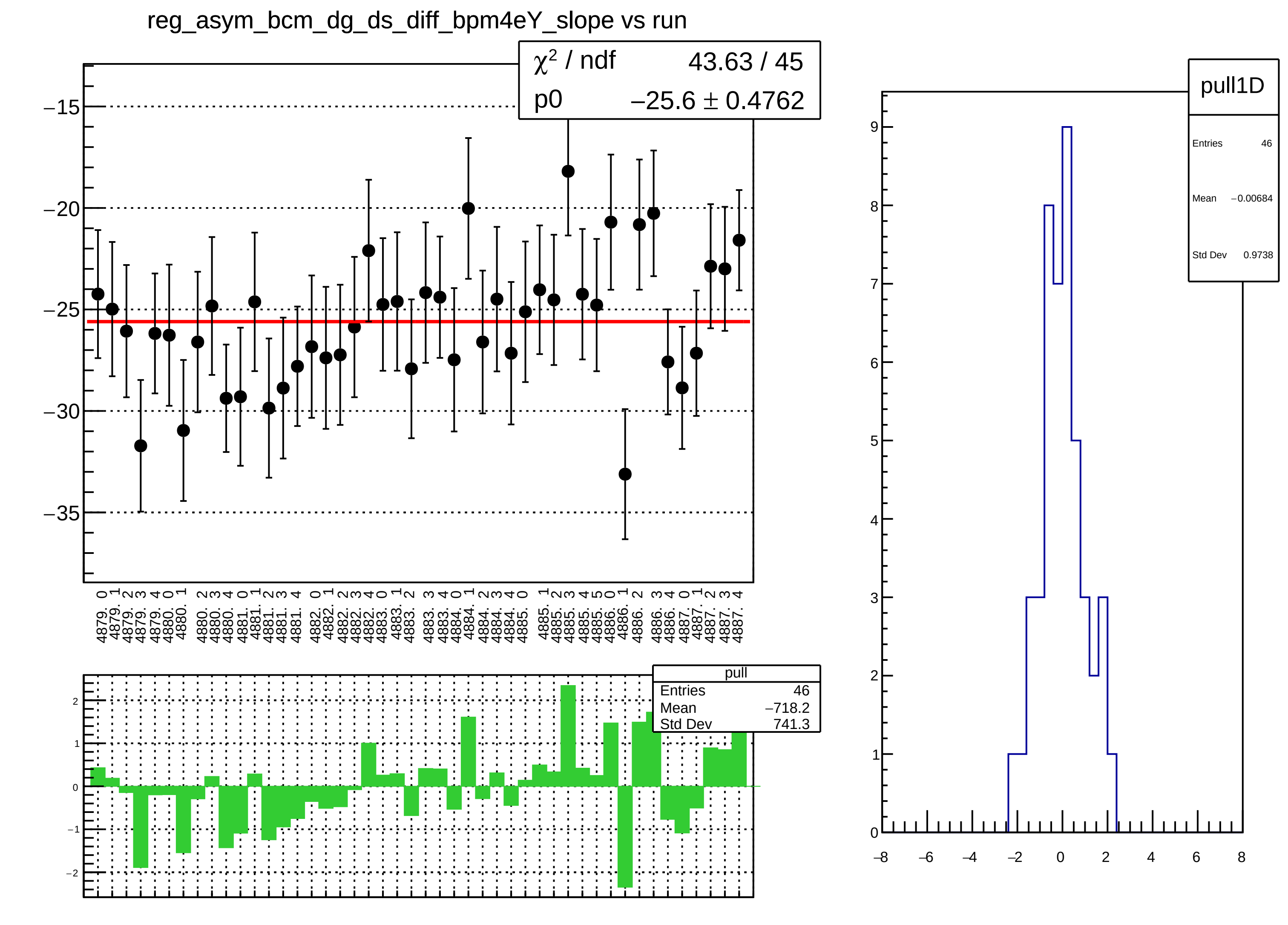

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ^2 / ndf 57.34 / 45
p0 −0.3003 ± 0.3004
pull
Entries 46
Mean 107.5
Std Dev 100.2
pull1D
Entries 46
Mean −0.03818
Std Dev 1.116

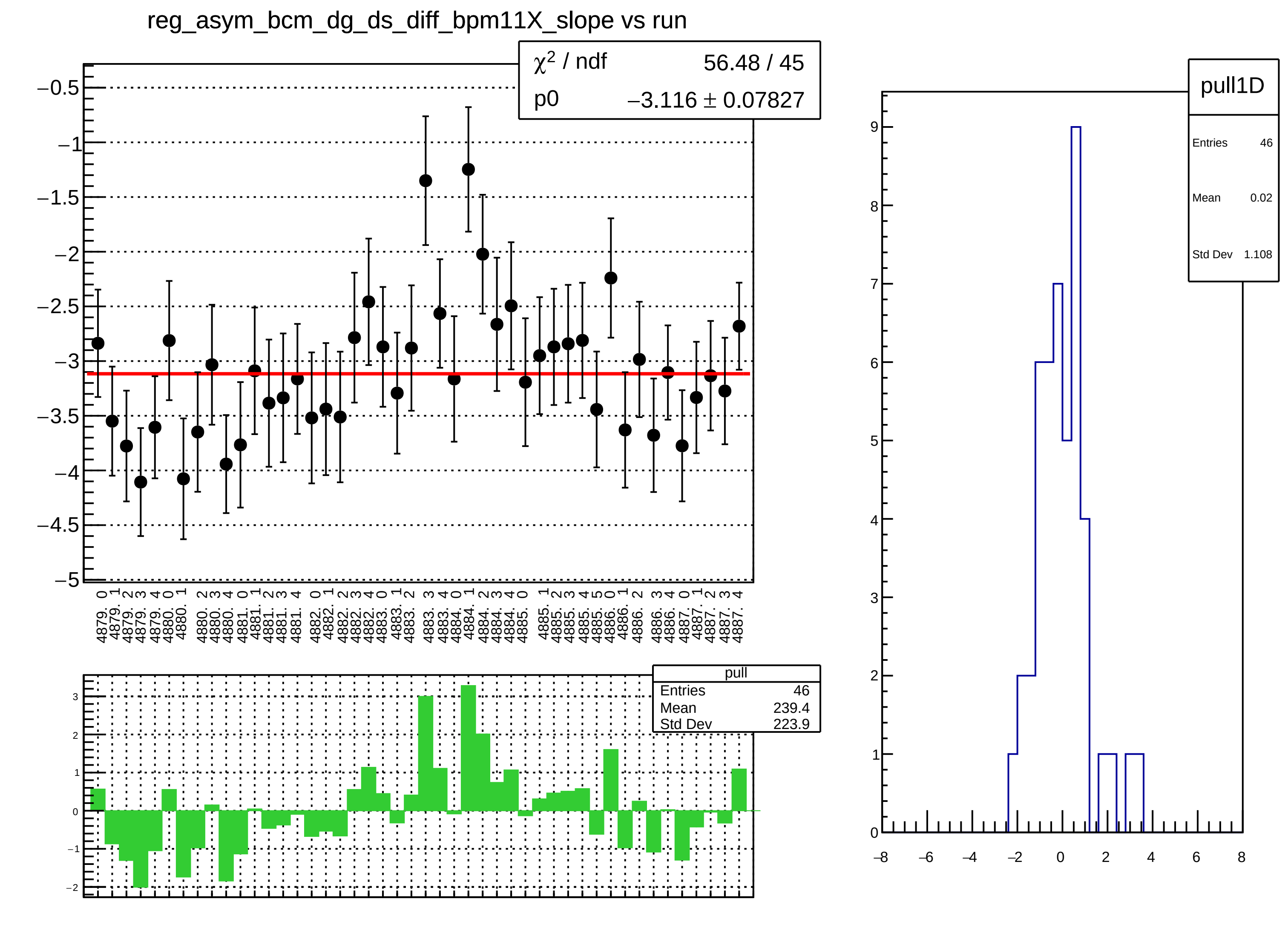


reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ2 / ndf 50.23 / 45
p0 22.67 ± 0.4269
pull
Entries 46
Mean 2502
Std Dev 2481
pull1D
Entries 46
Mean −0.002317
Std Dev 1.045

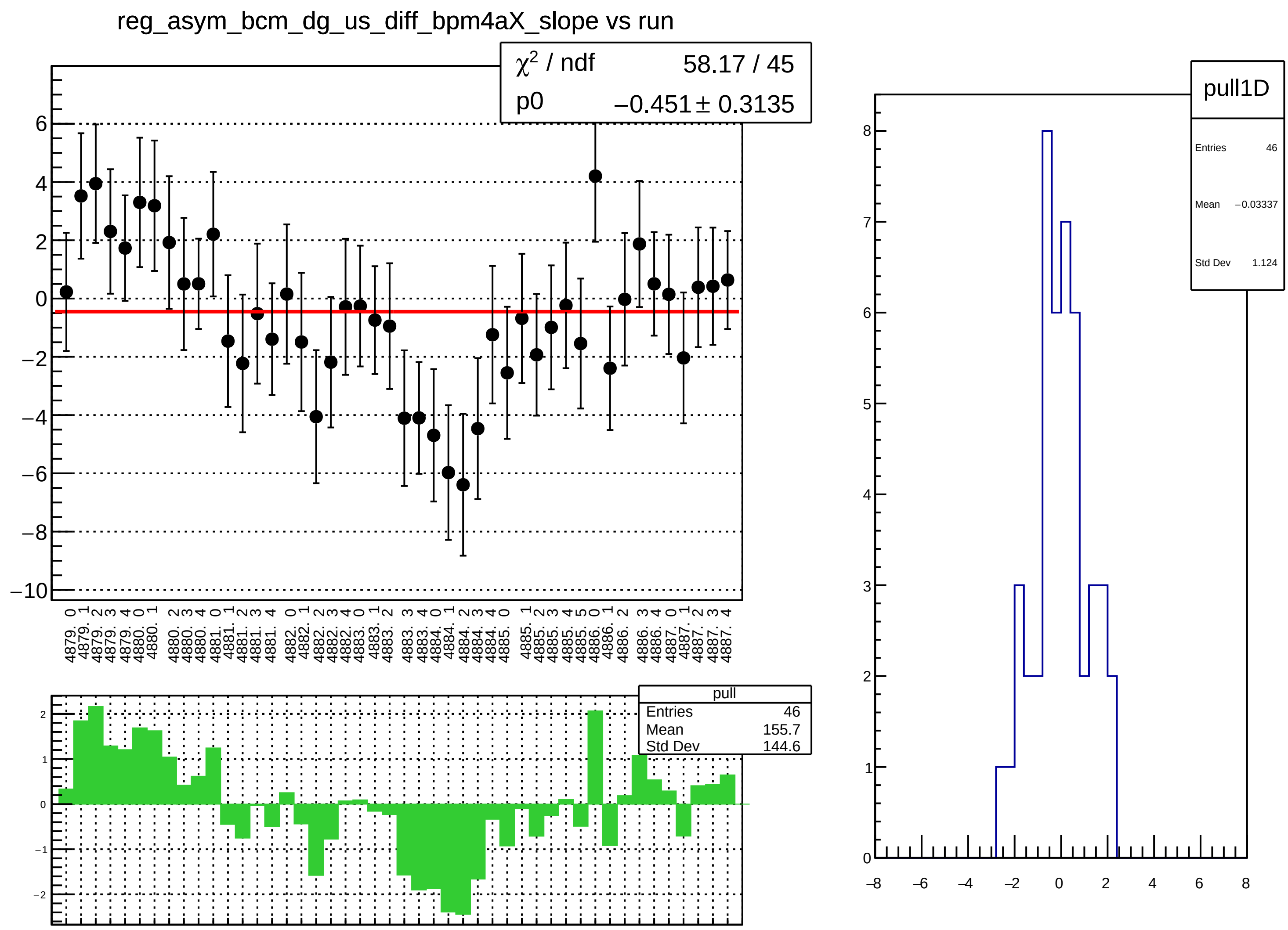


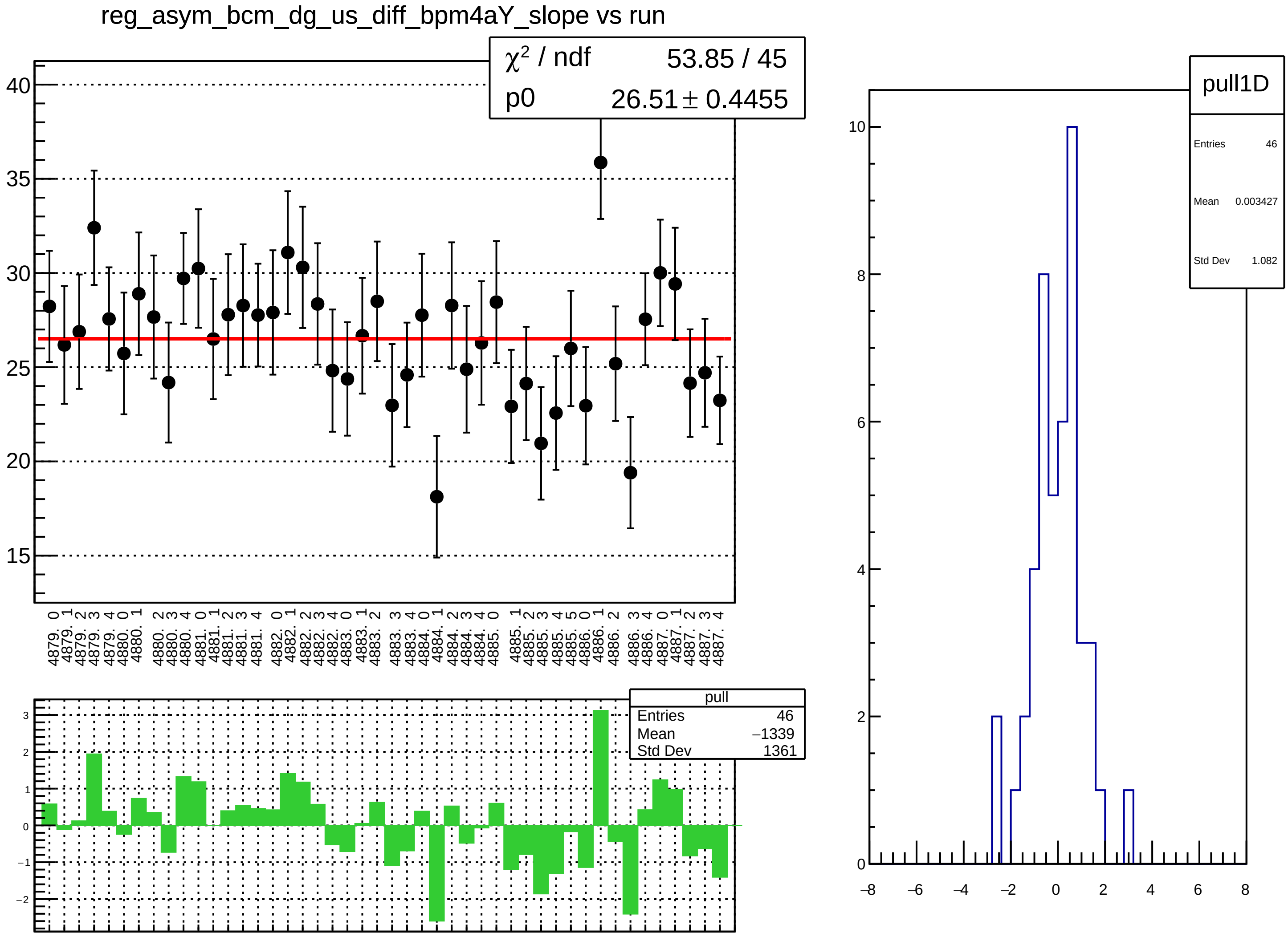
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 46.51 / 45
p0 −0.7852 ± 0.0569
pull
Entries 46
Mean 143.7
Std Dev 133.5
pull1D
Entries 46
Mean 0.02511
Std Dev 1.005


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ2 / ndf 43.63 / 45
p0 −25.6 ± 0.4762
pull
Entries 46
Mean −718.2
Std Dev 741.3
pull1D
Entries 46
Mean −0.00684
Std Dev 0.9738

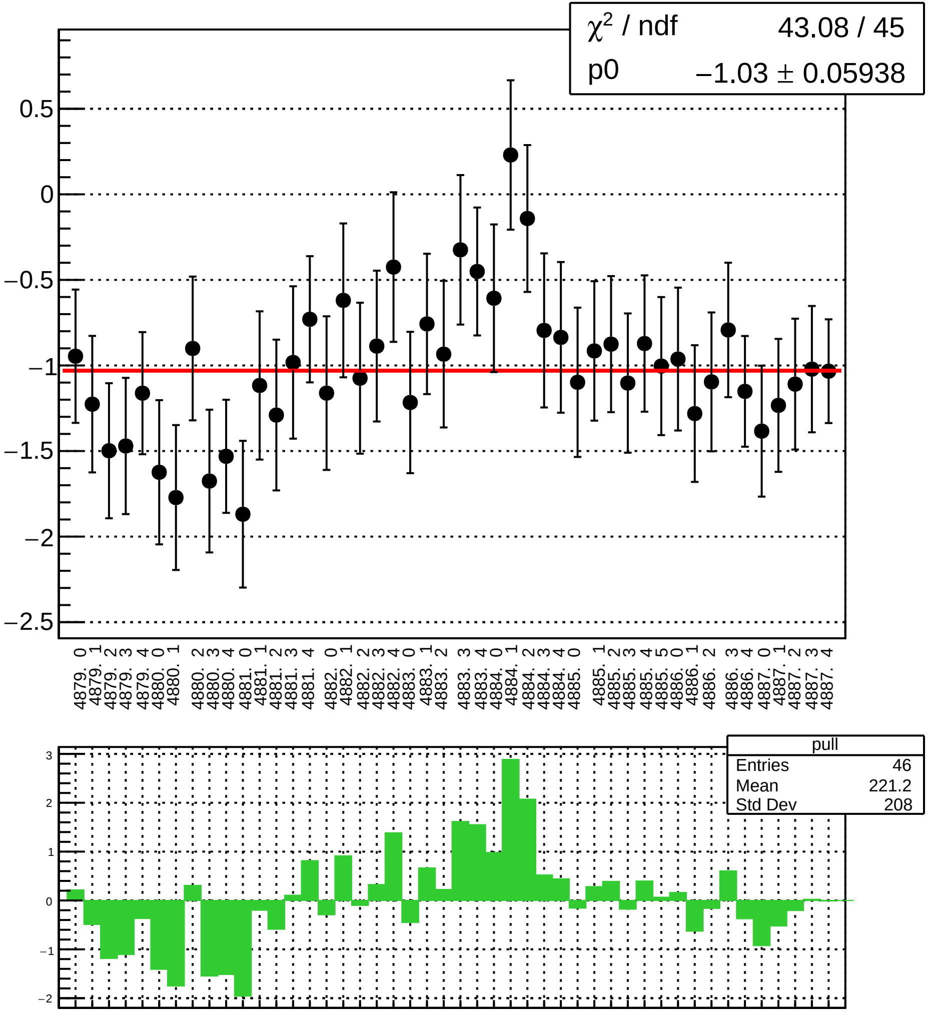


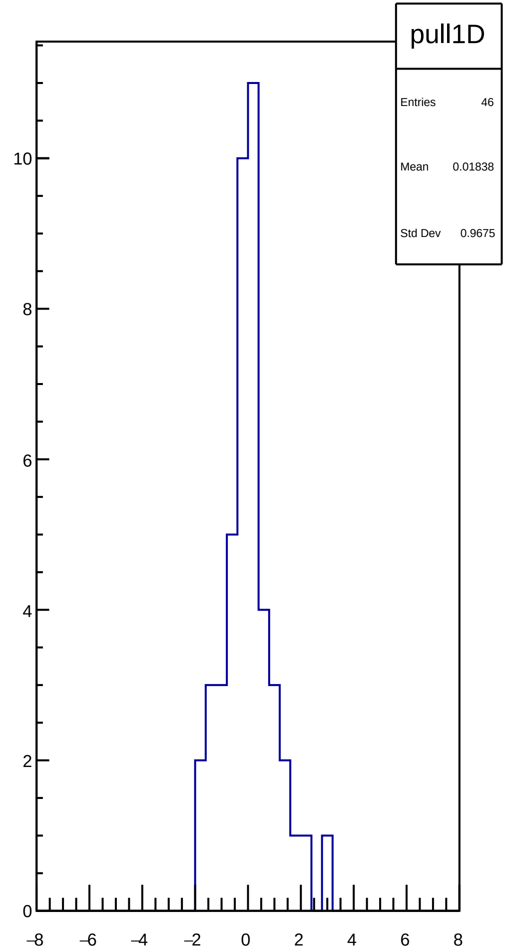
reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ2 / ndf 56.48 / 45
p0 −3.116 ± 0.07827
pull
Entries 46
Mean 239.4
Std Dev 223.9
pull1D
Entries 46
Mean 0.02
Std Dev 1.108


reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ^2 / ndf 58.17 / 45
p0 −0.451 ± 0.3135
pull
Entries 46
Mean 155.7
Std Dev 144.6
pull1D
Entries 46
Mean −0.03337
Std Dev 1.124

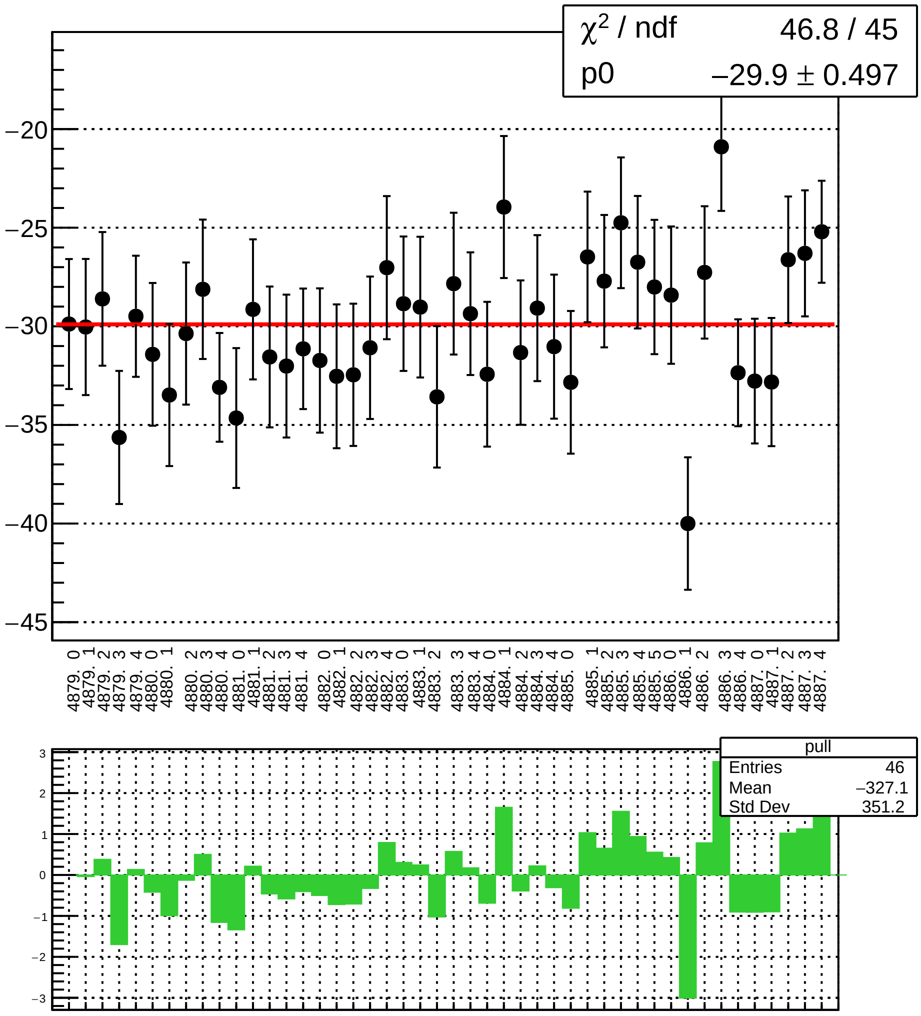

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 53.85 / 45
p0 26.51 ± 0.4455
40
35
30
25
20
15
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean −1339
Std Dev 1361
3
2
1
0
−1
−2
pull1D
Entries 46
Mean 0.003427
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

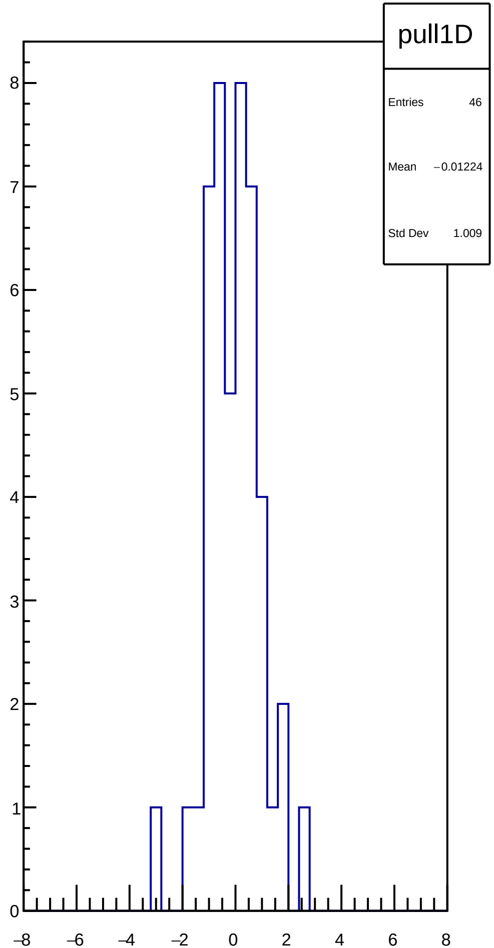
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run



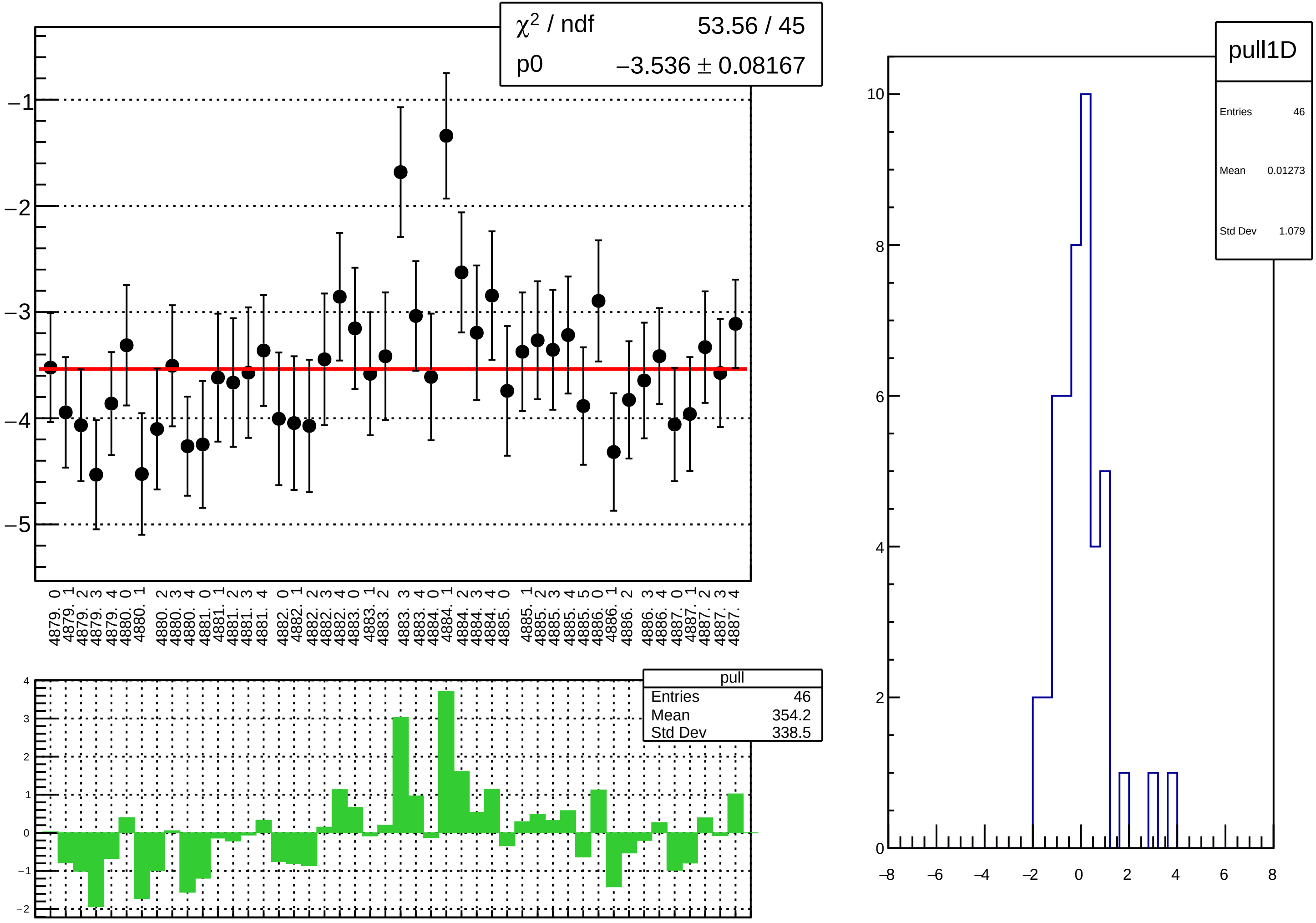


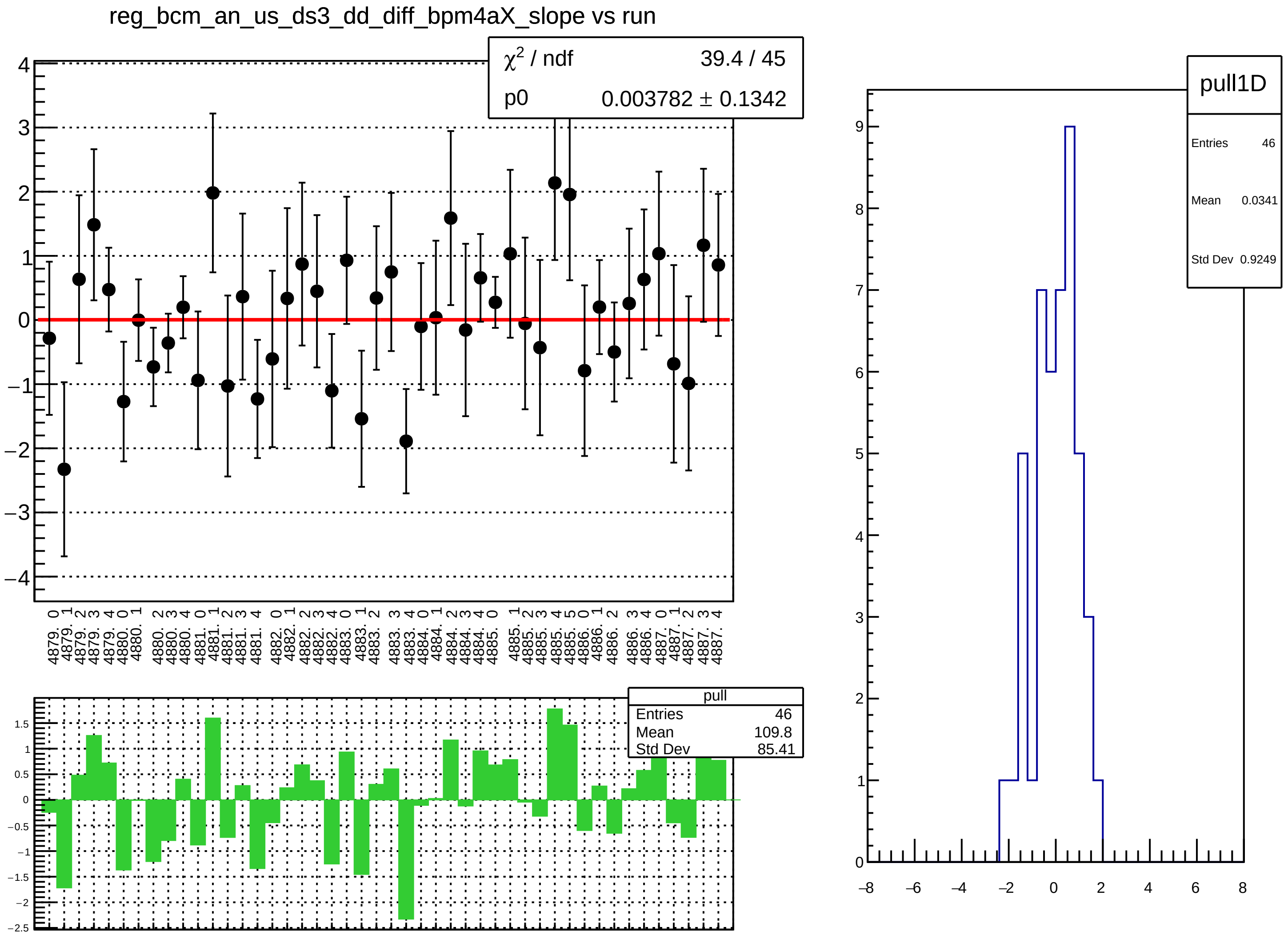
reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run

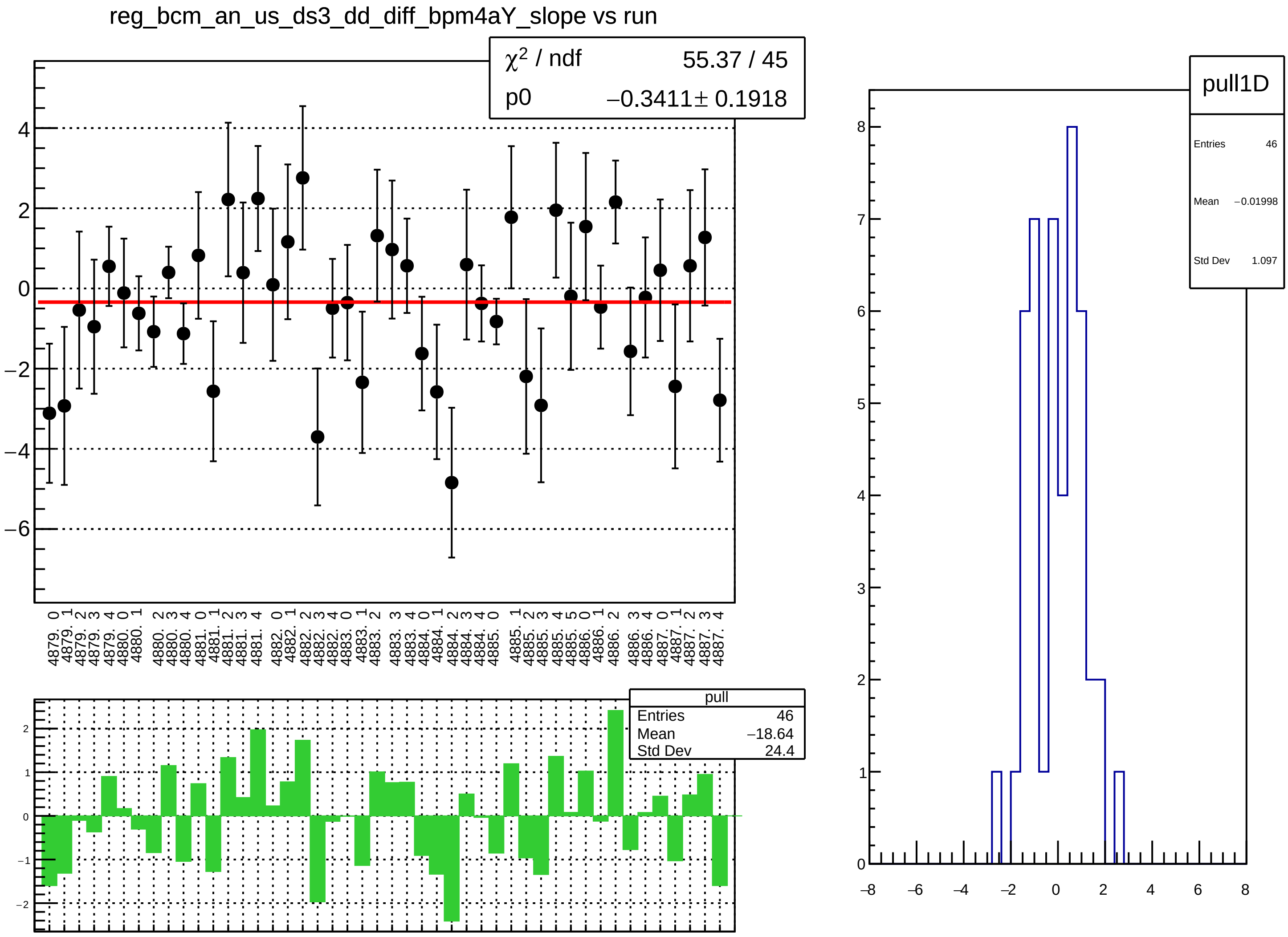




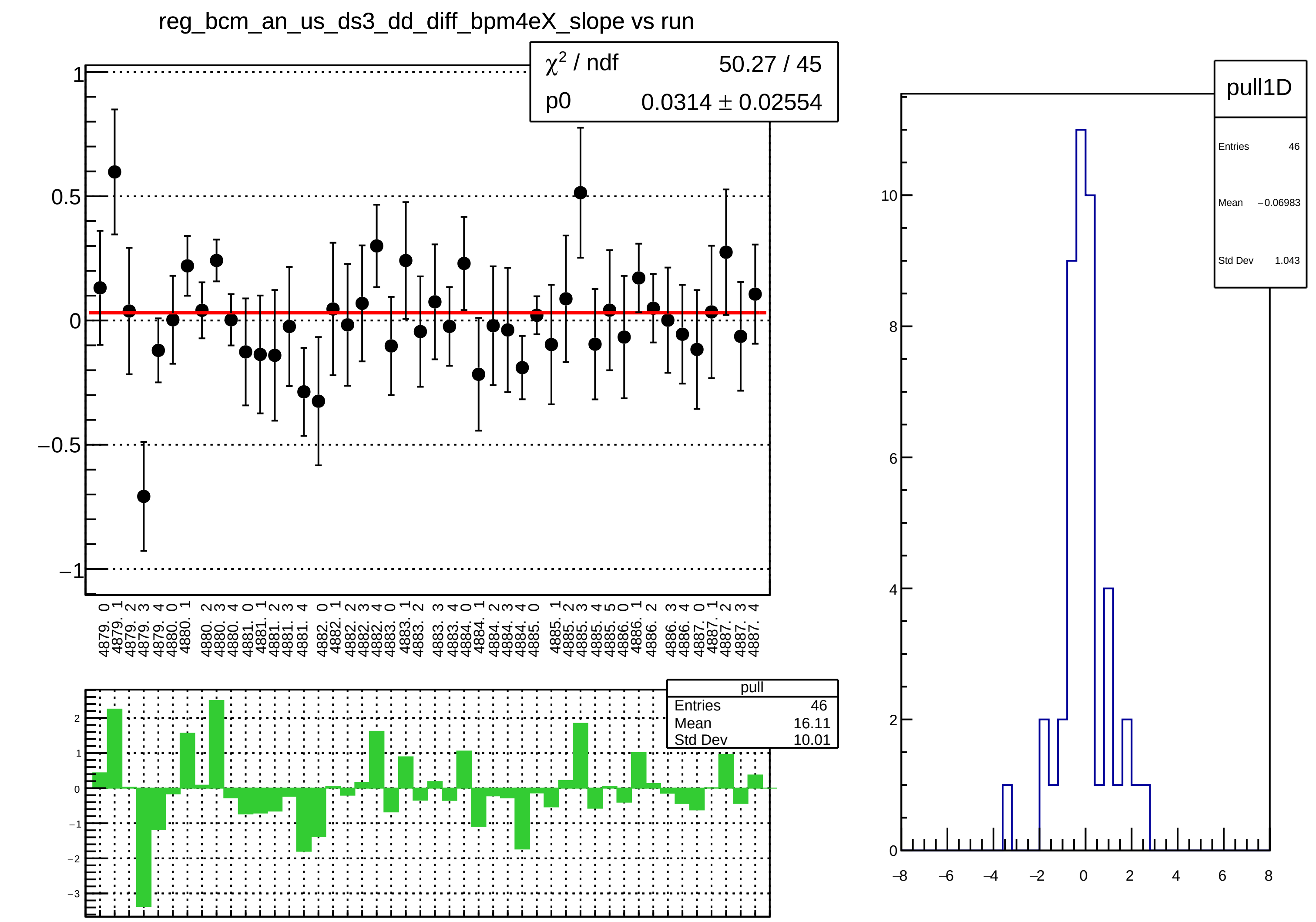
reg_asym_bcm_dg_us_diff_bpm11X_slope vs run



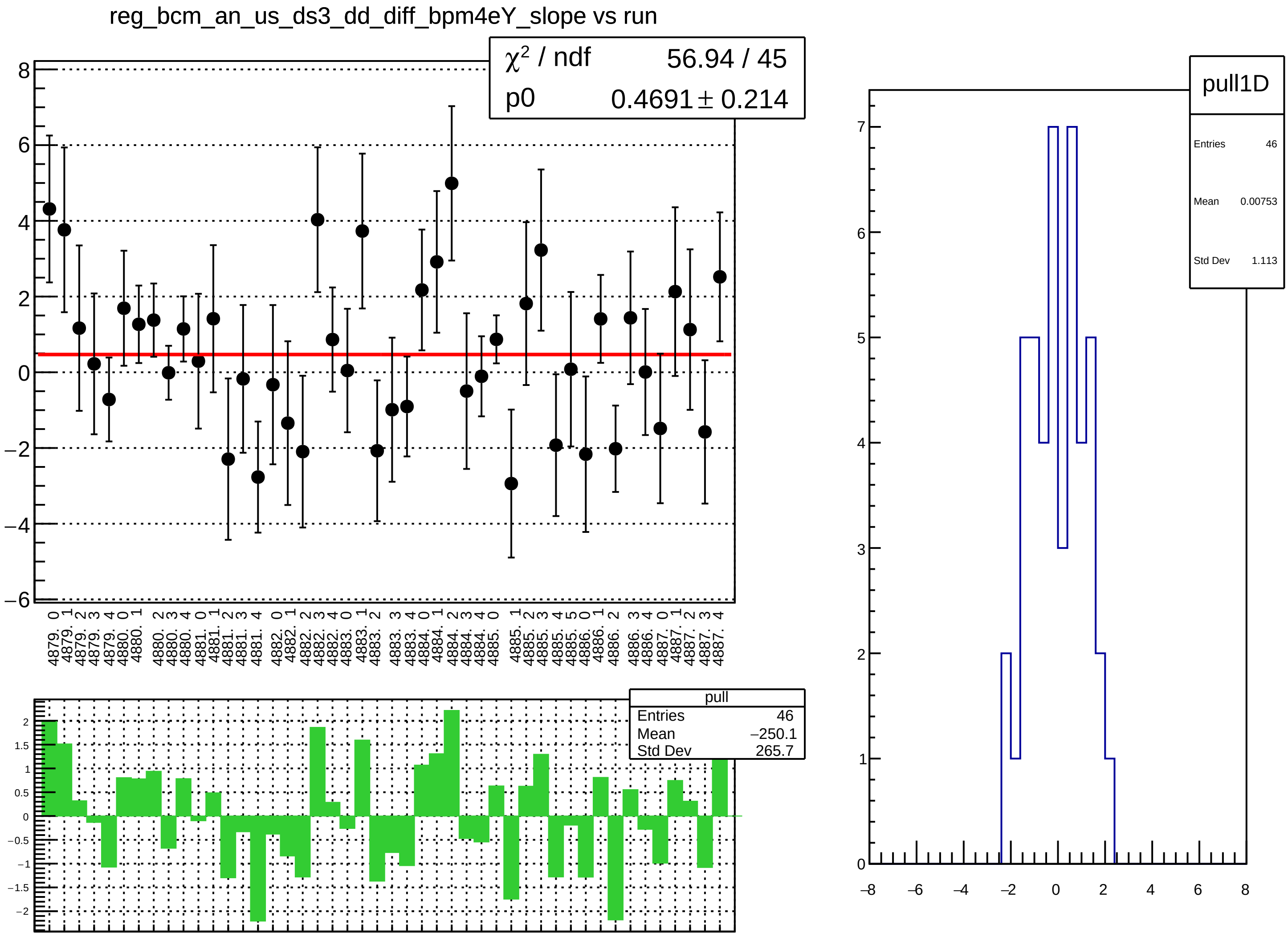

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 39.4 / 45
p0 0.003782 ± 0.1342
pull
Entries 46
Mean 109.8
Std Dev 85.41
pull1D
Entries 46
Mean 0.0341
Std Dev 0.9249



reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 55.37 / 45
p0 −0.3411± 0.1918
pull
Entries 46
Mean −18.64
Std Dev 24.4
pull1D
Entries 46
Mean −0.01998
Std Dev 1.097

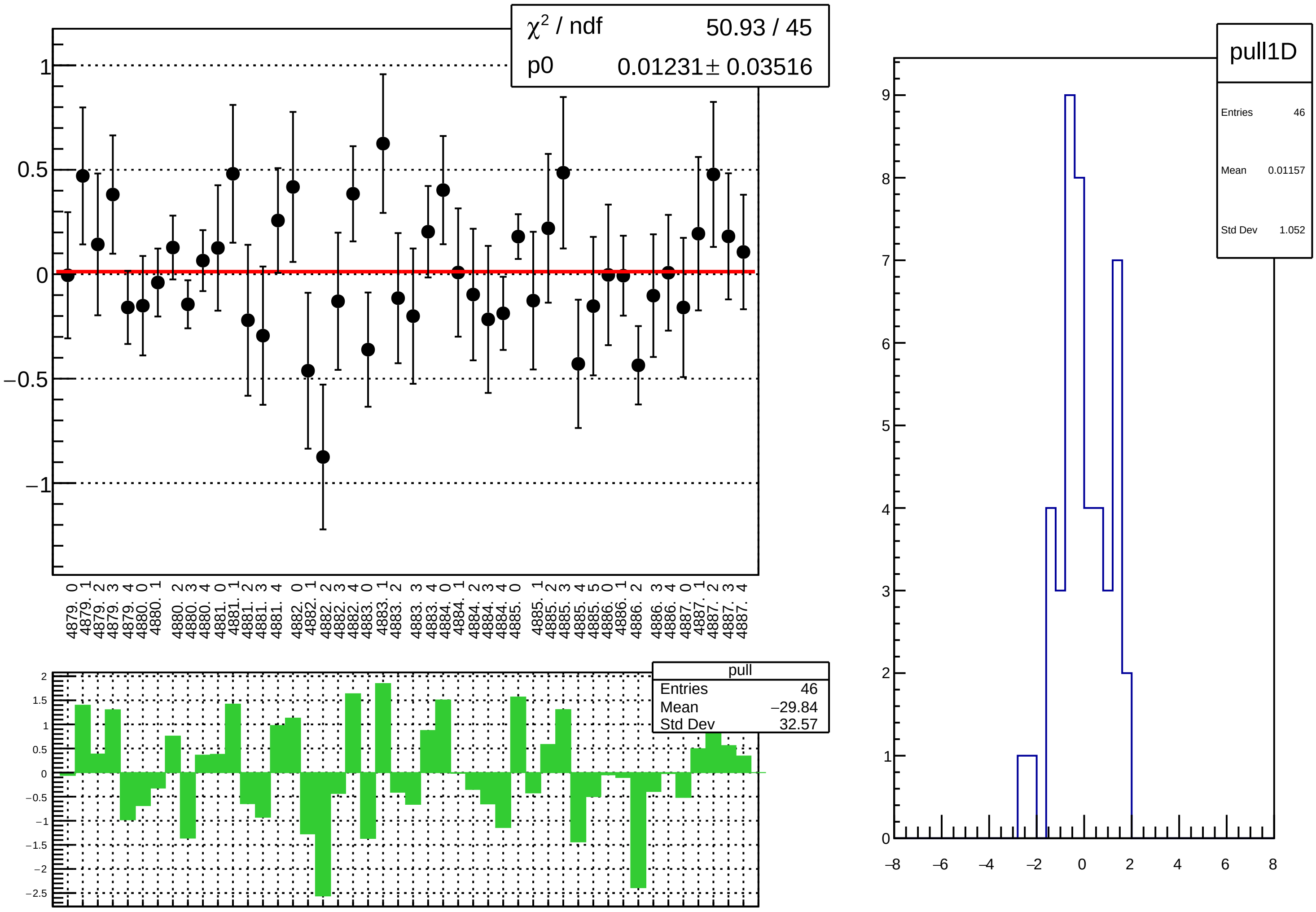


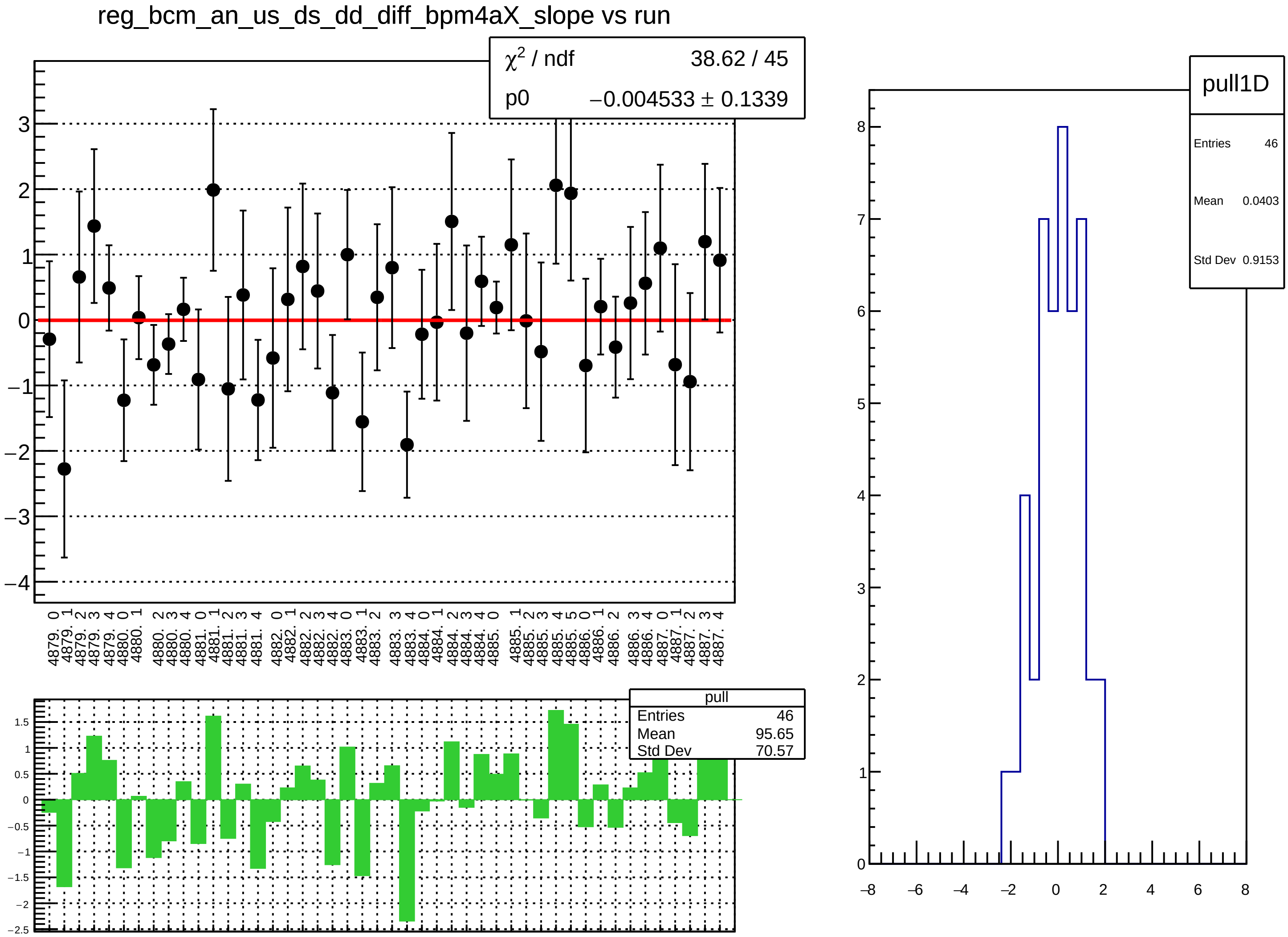
reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 50.27 / 45
p0 0.0314 ± 0.02554
pull
Entries 46
Mean 16.11
Std Dev 10.01
pull1D
Entries 46
Mean −0.06983
Std Dev 1.043



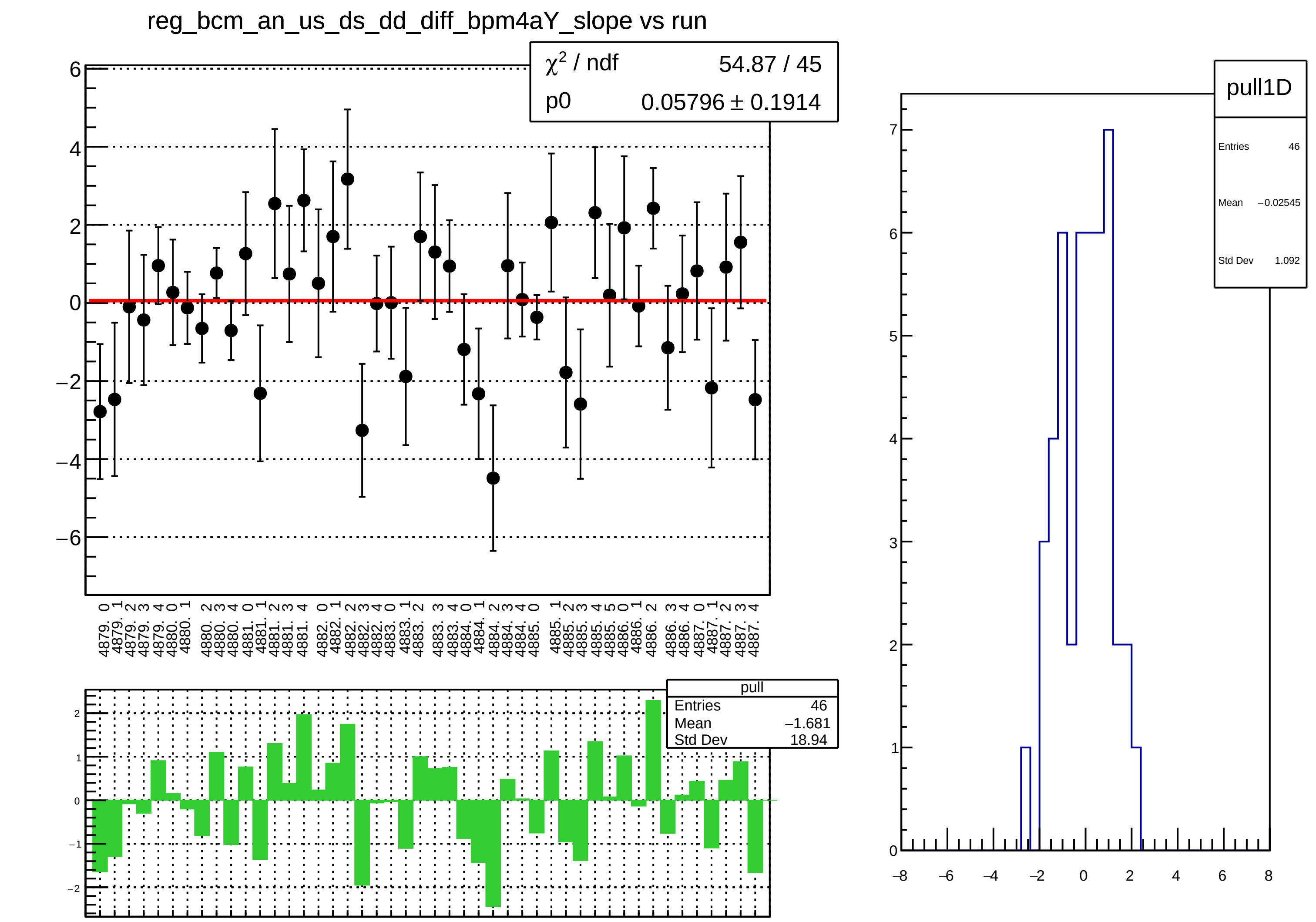
reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ2 / ndf 56.94 / 45
p0 0.4691 ± 0.214
pull
Entries 46
Mean −250.1
Std Dev 265.7
pull1D
Entries 46
Mean 0.00753
Std Dev 1.113

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run

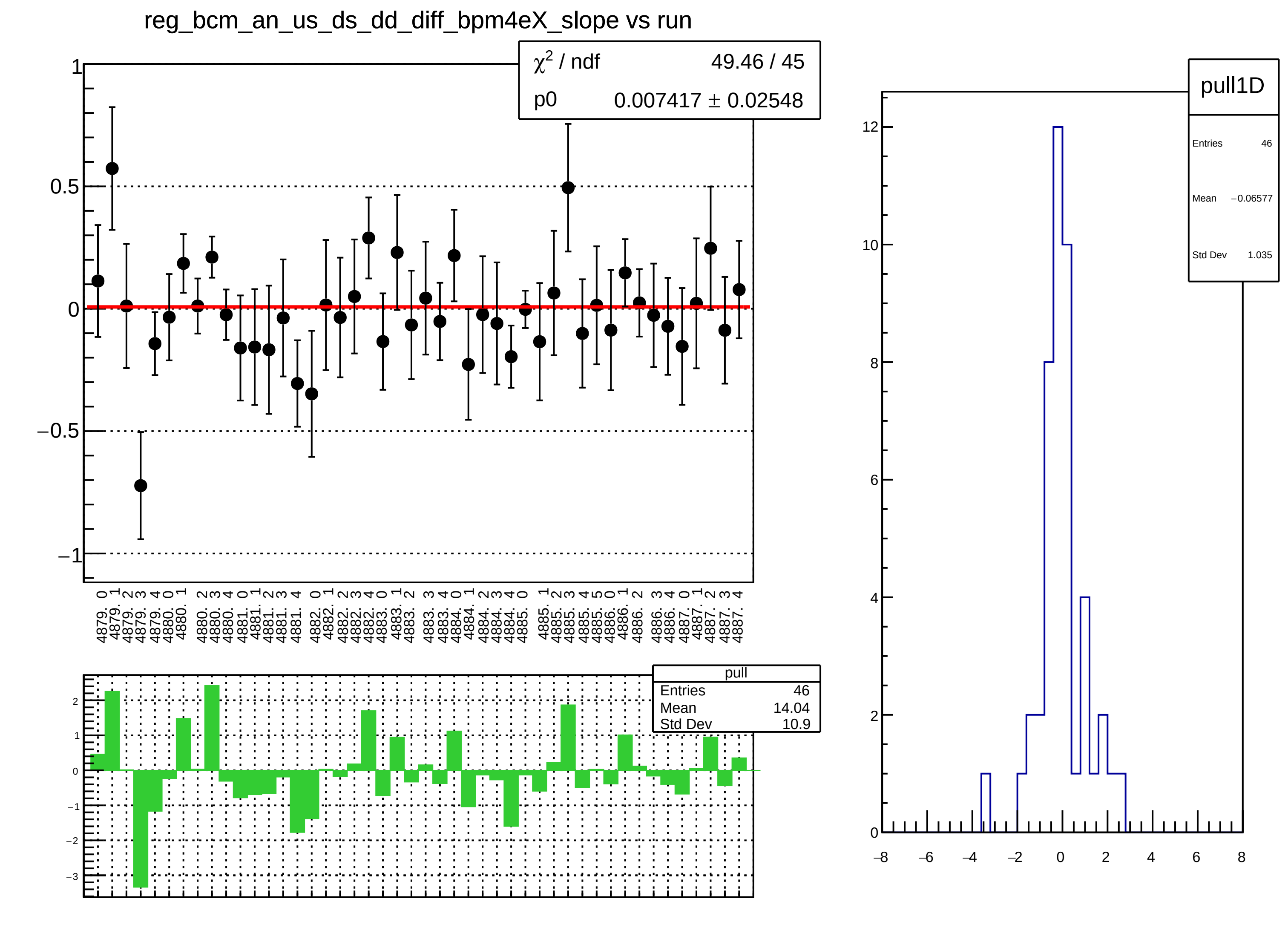




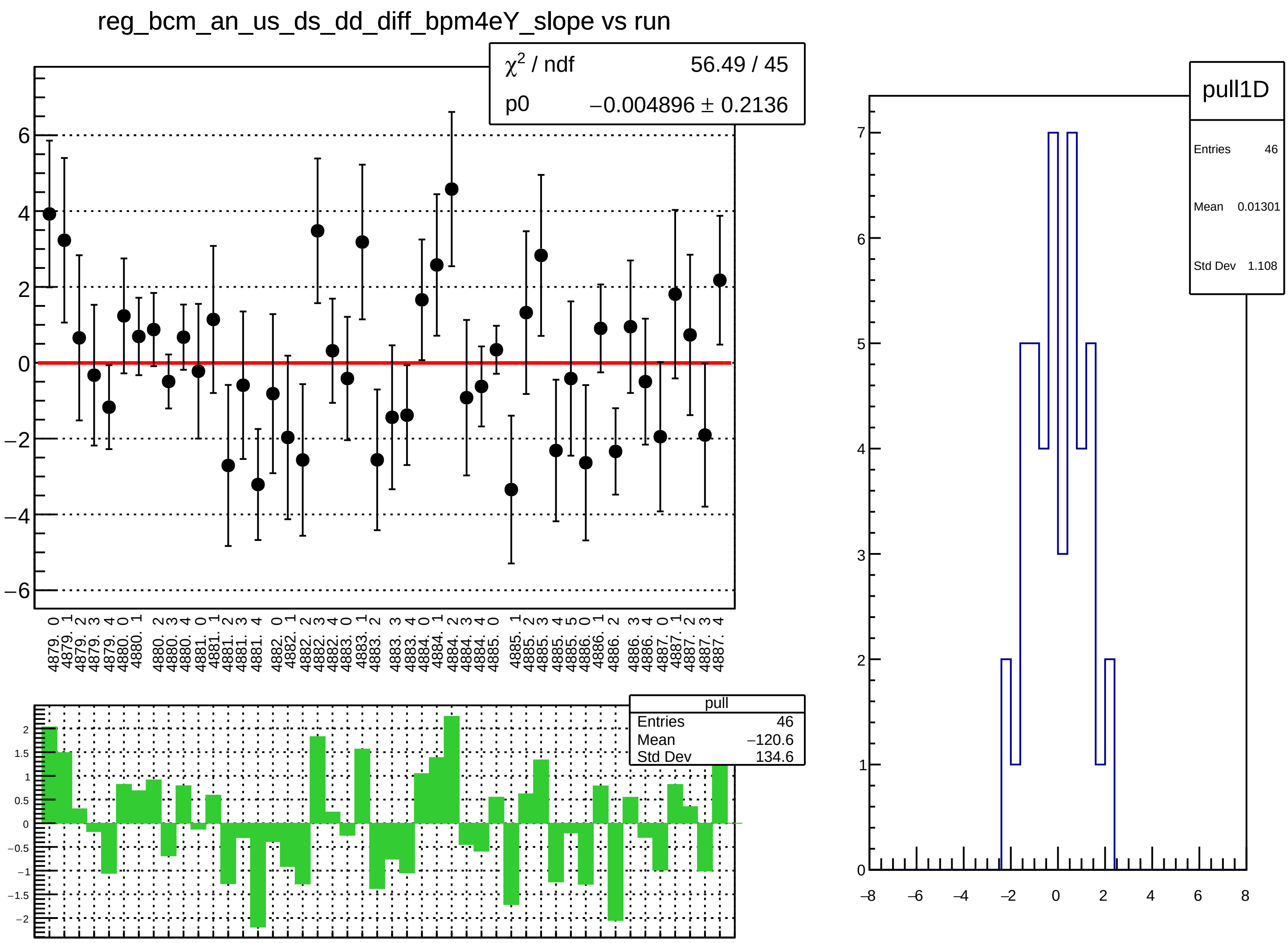
reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 38.62 / 45
p0 −0.004533 ± 0.1339
pull
Entries 46
Mean 95.65
Std Dev 70.57
pull1D
Entries 46
Mean 0.0403
Std Dev 0.9153

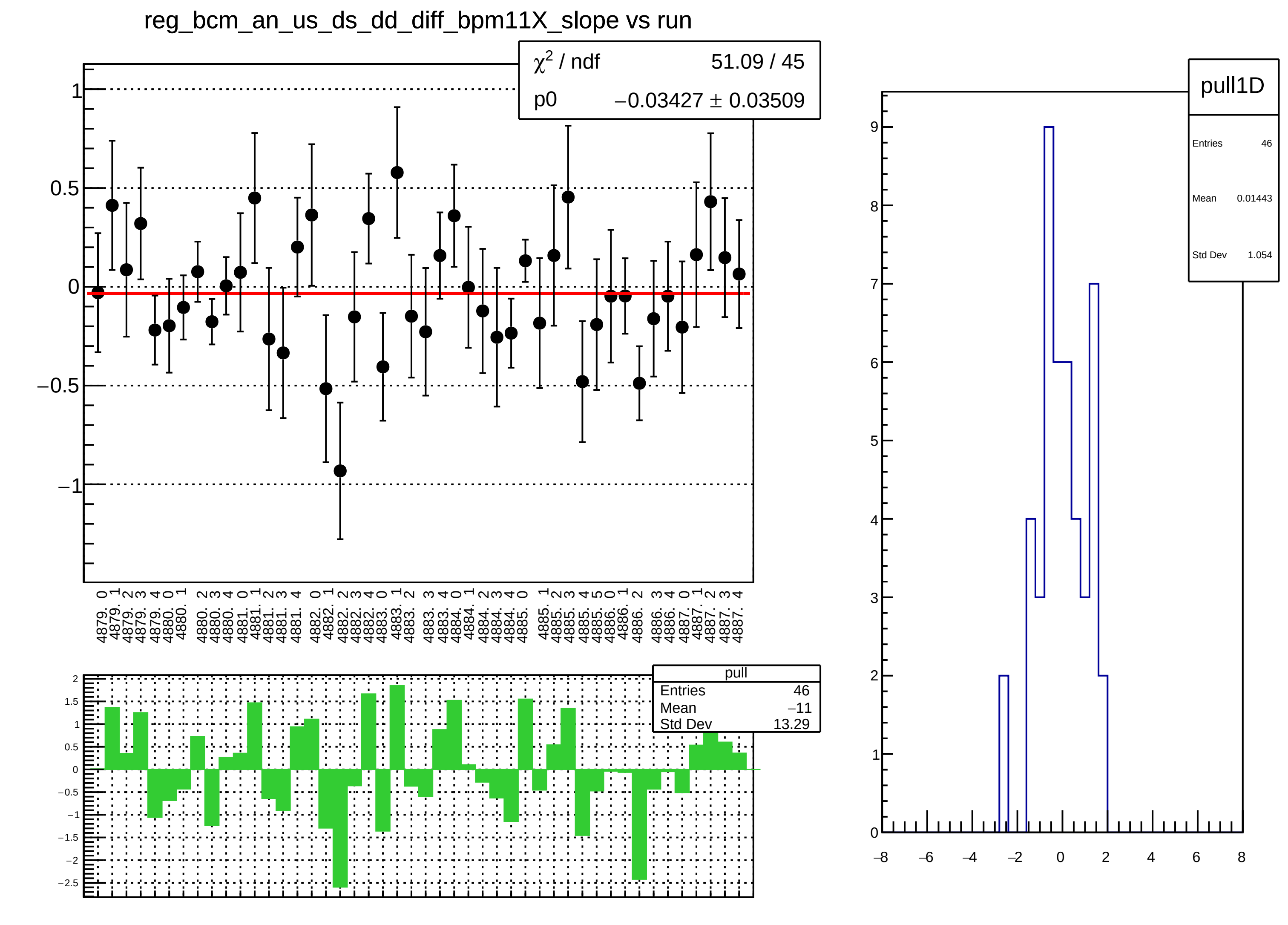


reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 54.87 / 45
p0 0.05796 ± 0.1914
pull
Entries 46
Mean −1.681
Std Dev 18.94
pull1D
Entries 46
Mean −0.02545
Std Dev 1.092

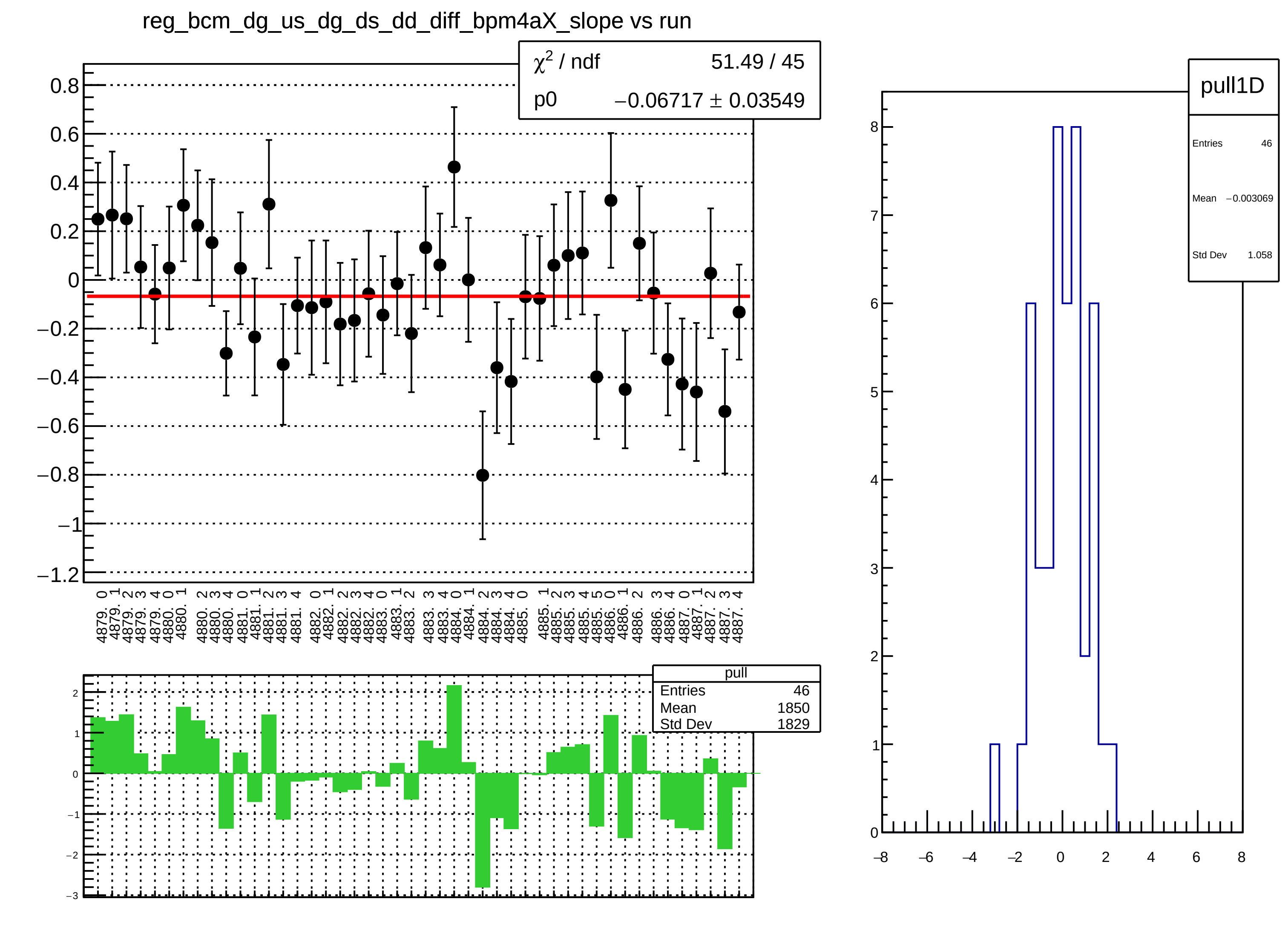


reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 49.46 / 45
p0 0.007417 ± 0.02548
pull
Entries 46
Mean 14.04
Std Dev 10.9
pull1D
Entries 46
Mean −0.06577
Std Dev 1.035

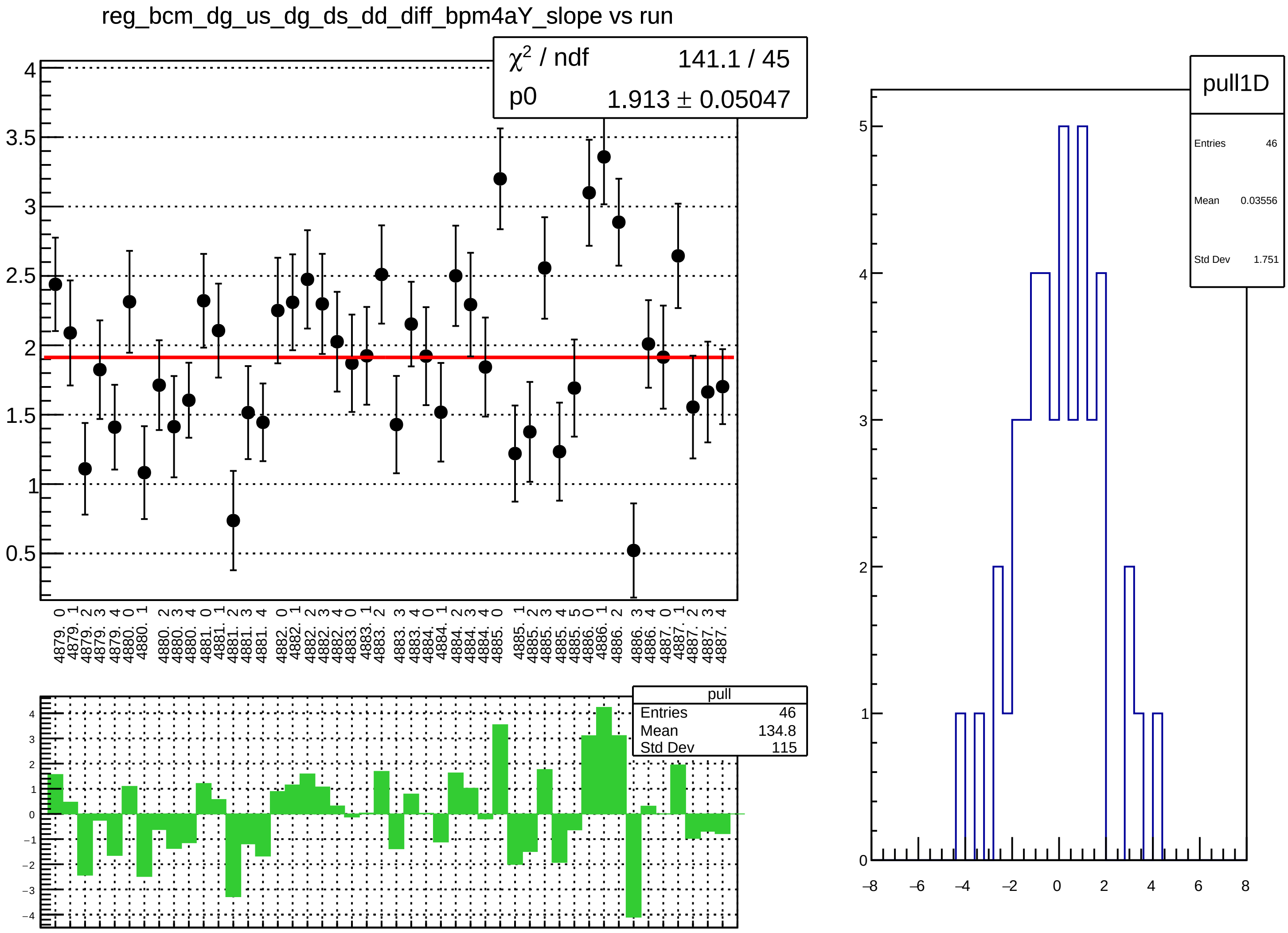

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 56.49 / 45
p0 −0.004896 ± 0.2136
pull
Entries 46
Mean −120.6
Std Dev 134.6
pull1D
Entries 46
Mean 0.01301
Std Dev 1.108



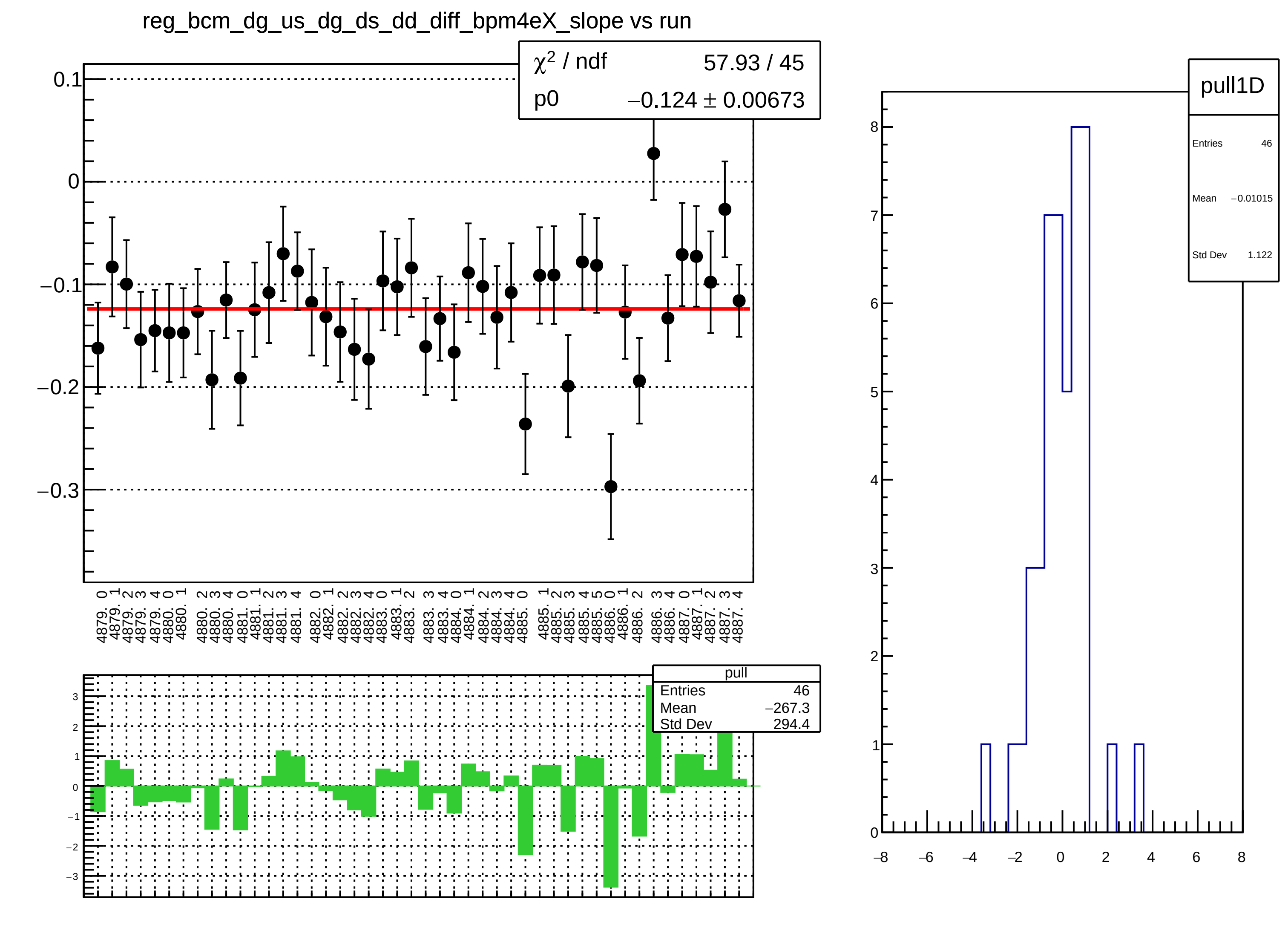
reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 51.09 / 45
p0 −0.03427 ± 0.03509
pull
Entries 46
Mean −11
Std Dev 13.29
pull1D
Entries 46
Mean 0.01443
Std Dev 1.054



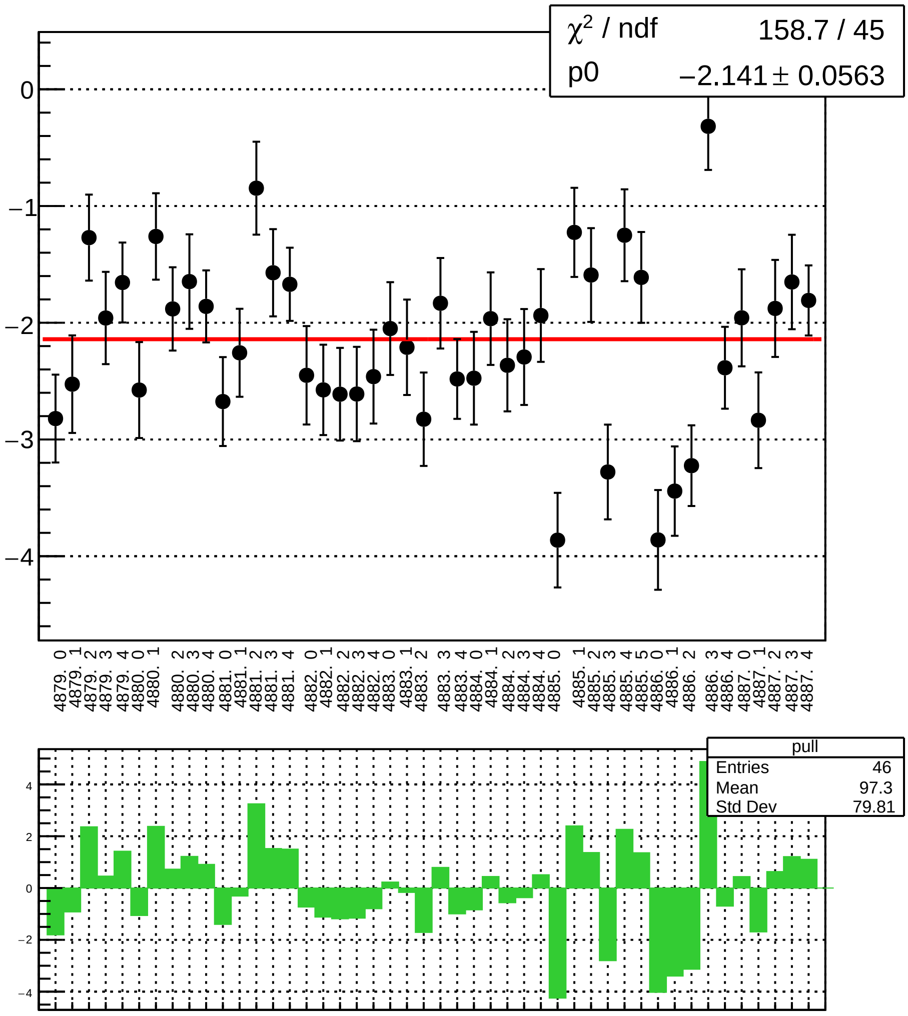
reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 51.49 / 45
p0 −0.06717 ± 0.03549
pull
Entries 46
Mean 1850
Std Dev 1829
pull1D
Entries 46
Mean −0.003069
Std Dev 1.058

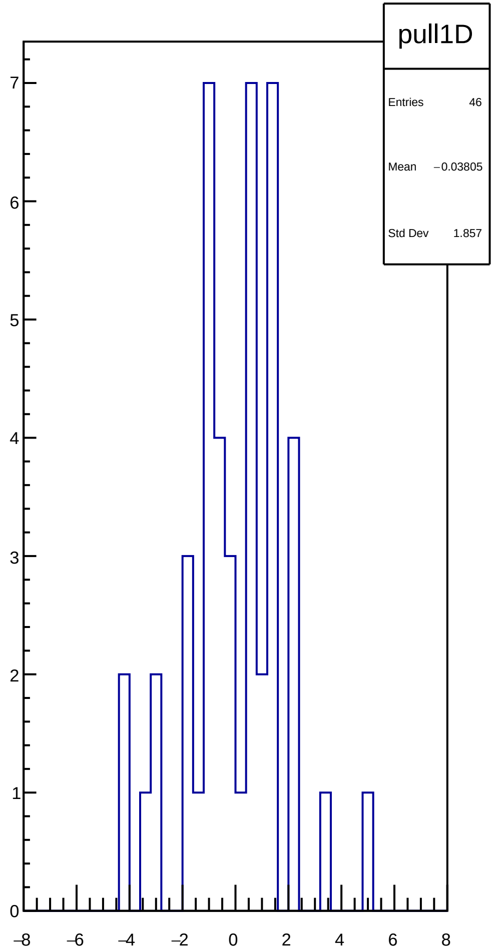


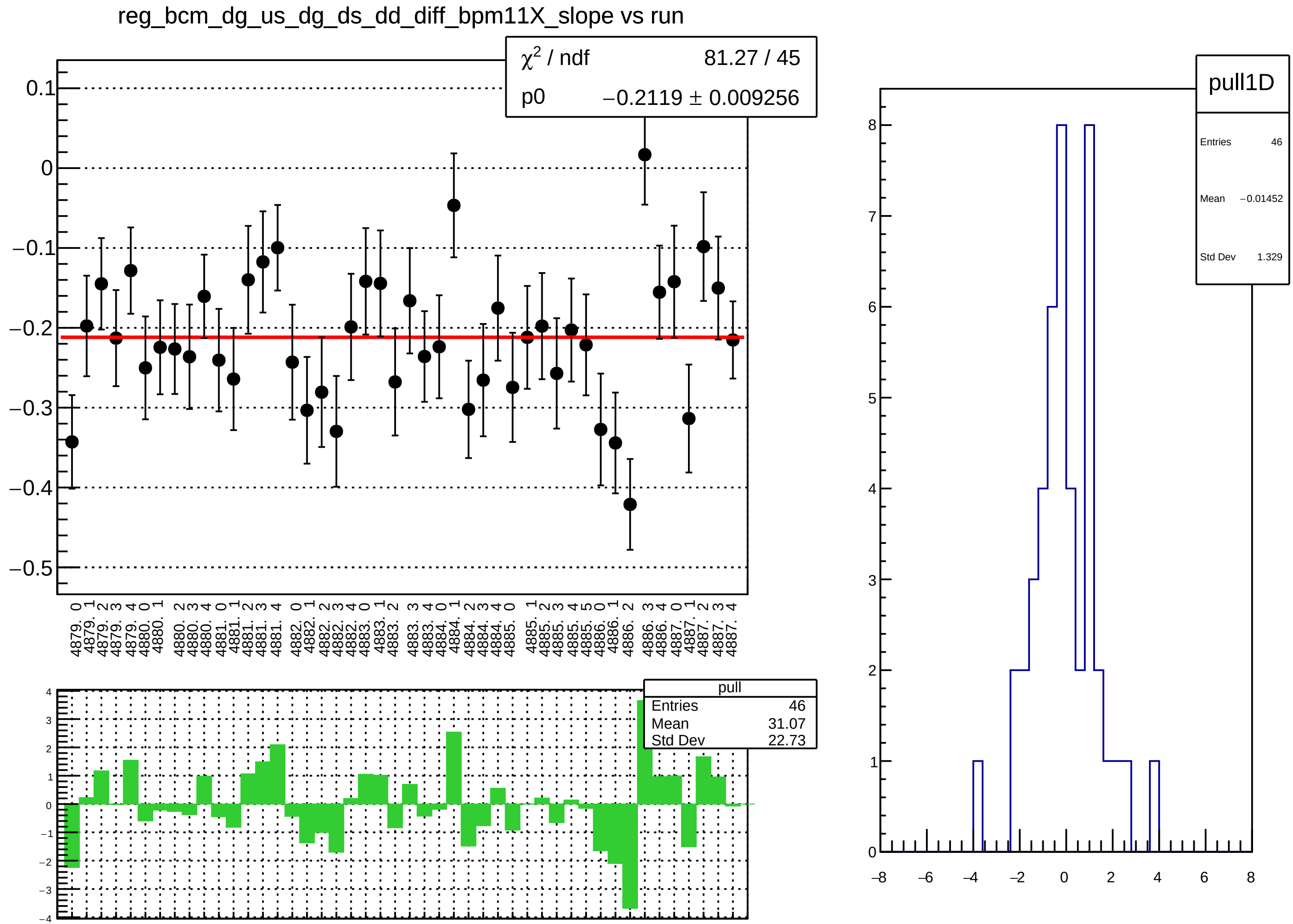
reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 141.1 / 45
p0 1.913 ± 0.05047
pull
Entries 46
Mean 134.8
Std Dev 115
pull1D
Entries 46
Mean 0.03556
Std Dev 1.751

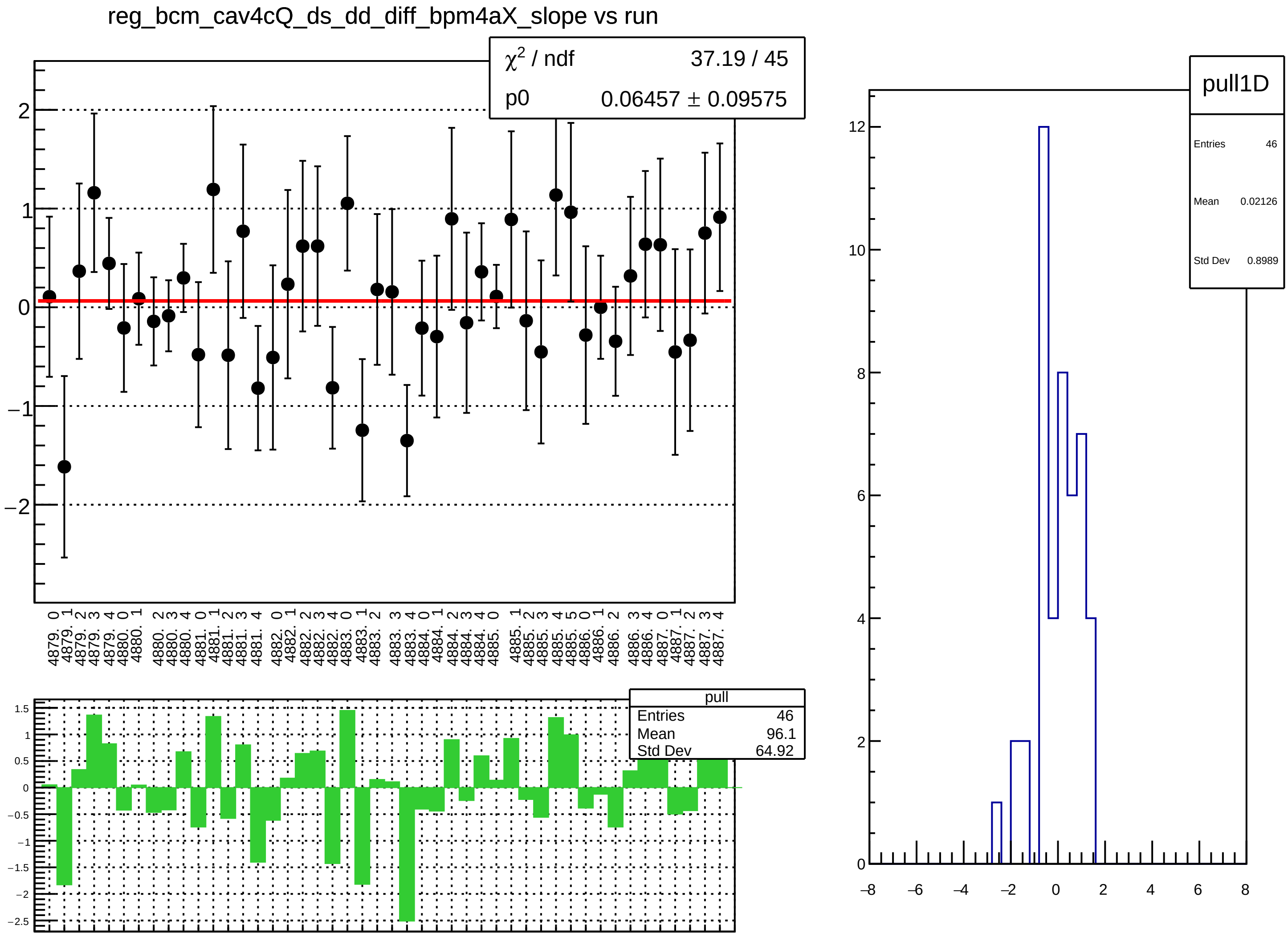

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 57.93 / 45
p0 −0.124 ± 0.00673
pull
Entries 46
Mean −267.3
Std Dev 294.4
pull1D
Entries 46
Mean −0.01015
Std Dev 1.122

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run

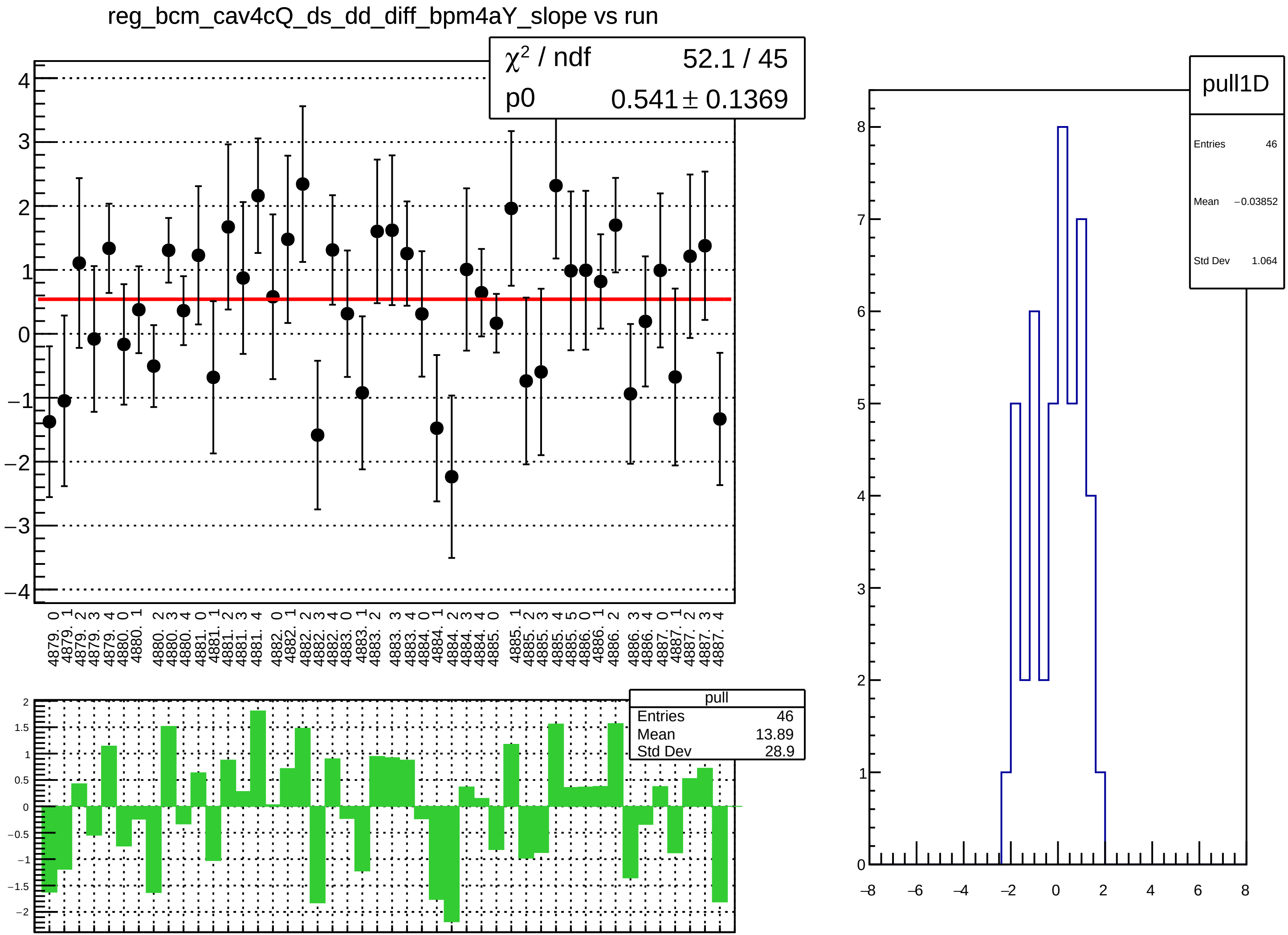




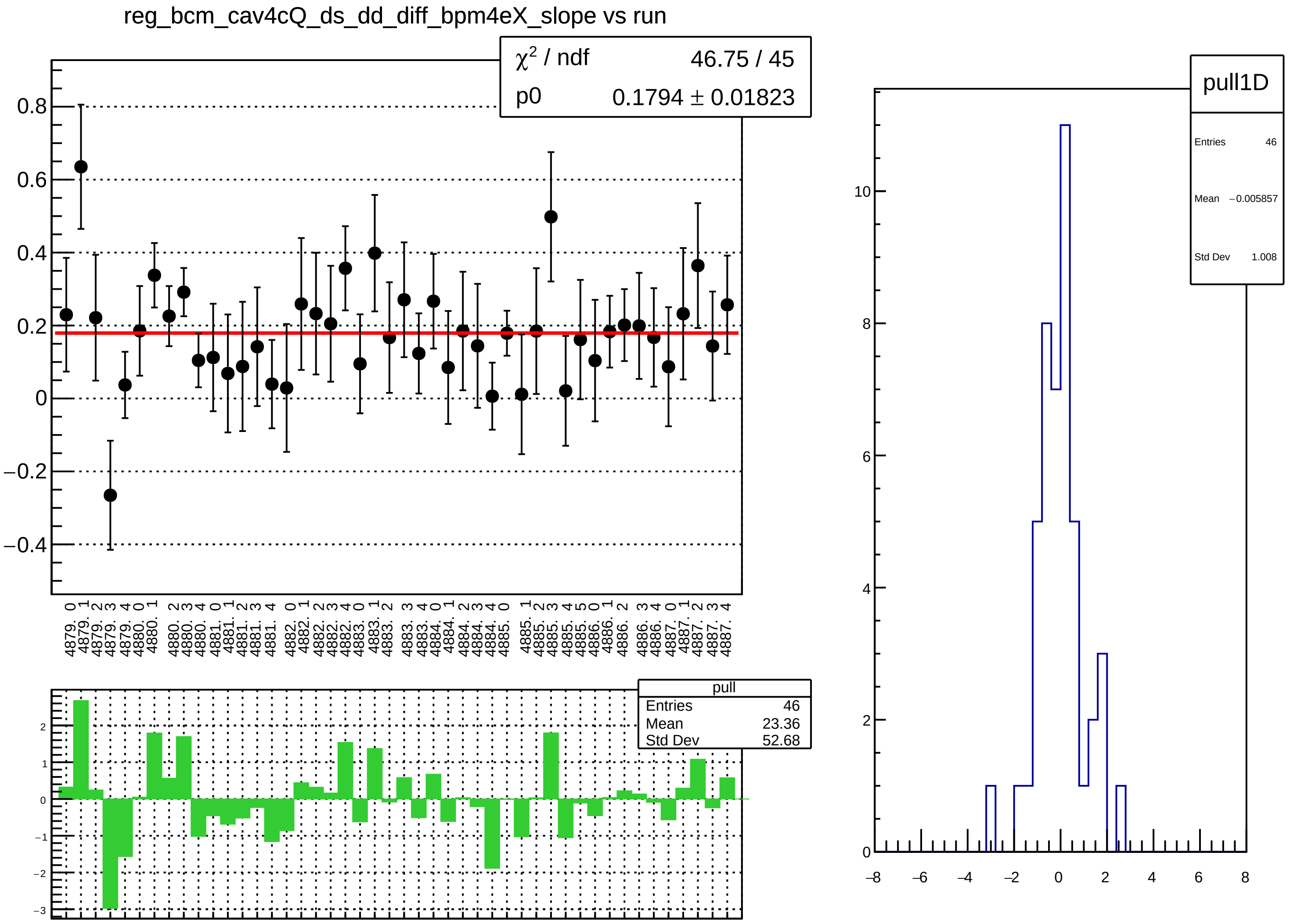

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 81.27 / 45
p0 −0.2119 ± 0.009256
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
4879. 0
4879. 1
4879. 2
4879. 3
4879. 4
4880. 0
4880. 1
4880. 2
4880. 3
4880. 4
4881. 0
4881. 1
4881. 2
4881. 3
4881. 4
4882. 0
4882. 1
4882. 2
4882. 3
4882. 4
4883. 0
4883. 1
4883. 2
4883. 3
4883. 4
4884. 0
4884. 1
4884. 2
4884. 3
4884. 4
4885. 0
4885. 1
4885. 2
4885. 3
4885. 4
4885. 5
4886. 0
4886. 1
4886. 2
4886. 3
4886. 4
4887. 0
4887. 1
4887. 2
4887. 3
4887. 4
pull
Entries 46
Mean 31.07
Std Dev 22.73
pull1D
Entries 46
Mean −0.01452
Std Dev 1.329



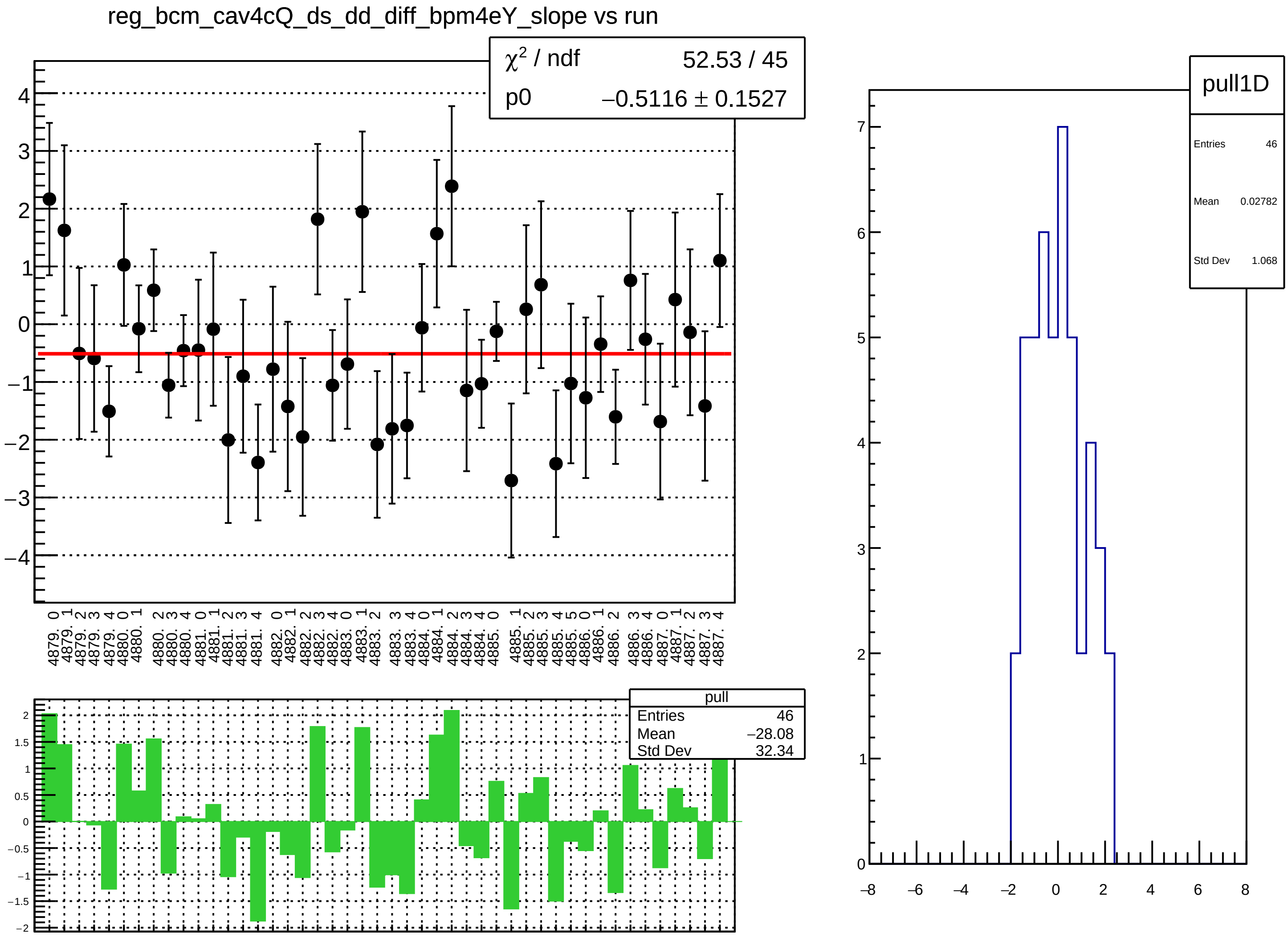
reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 37.19 / 45
p0 0.06457 ± 0.09575
pull
Entries 46
Mean 96.1
Std Dev 64.92
pull1D
Entries 46
Mean 0.02126
Std Dev 0.8989

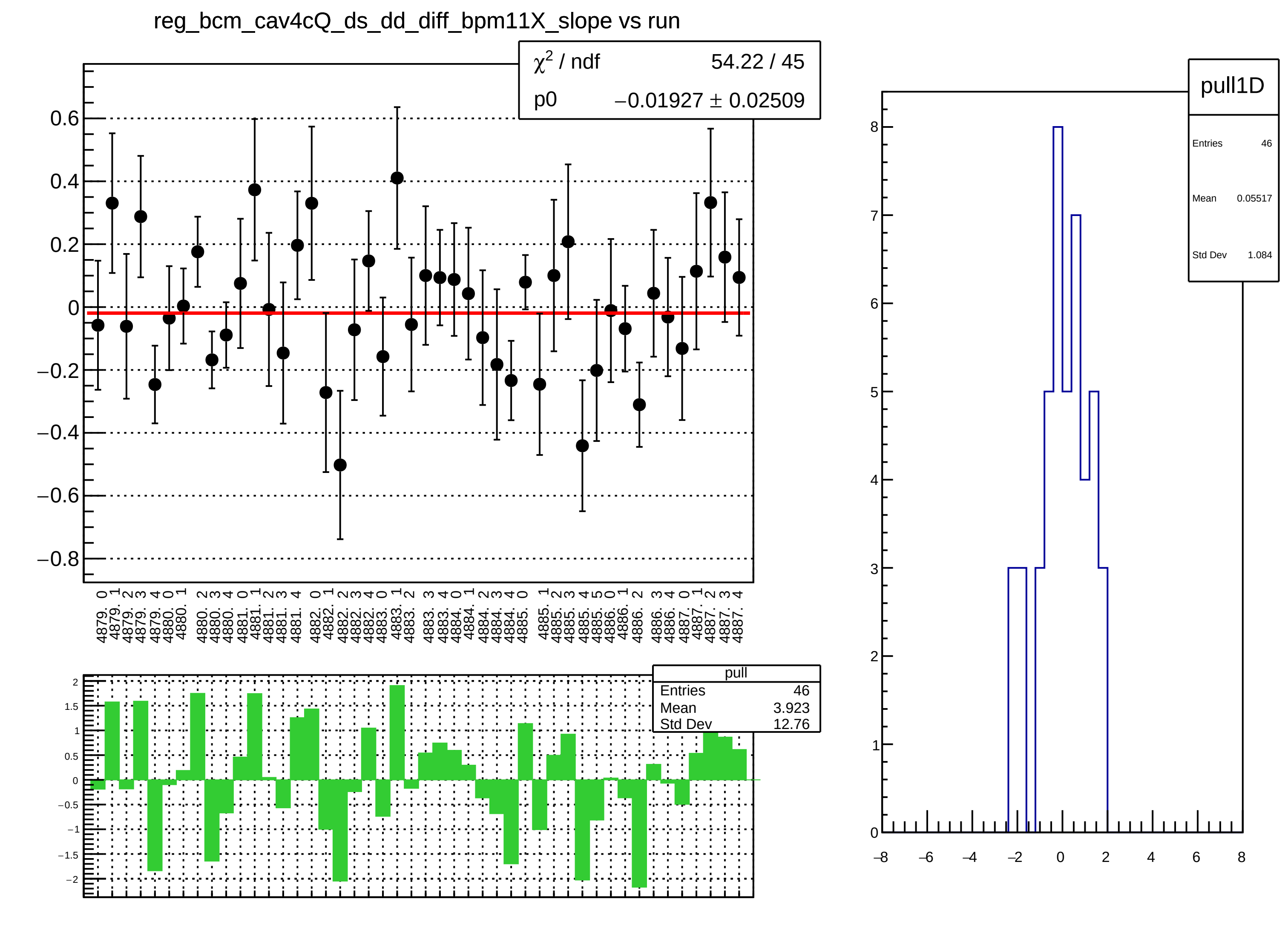


reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 52.1 / 45
p0 0.541 ± 0.1369
pull
Entries 46
Mean 13.89
Std Dev 28.9
pull1D
Entries 46
Mean −0.03852
Std Dev 1.064

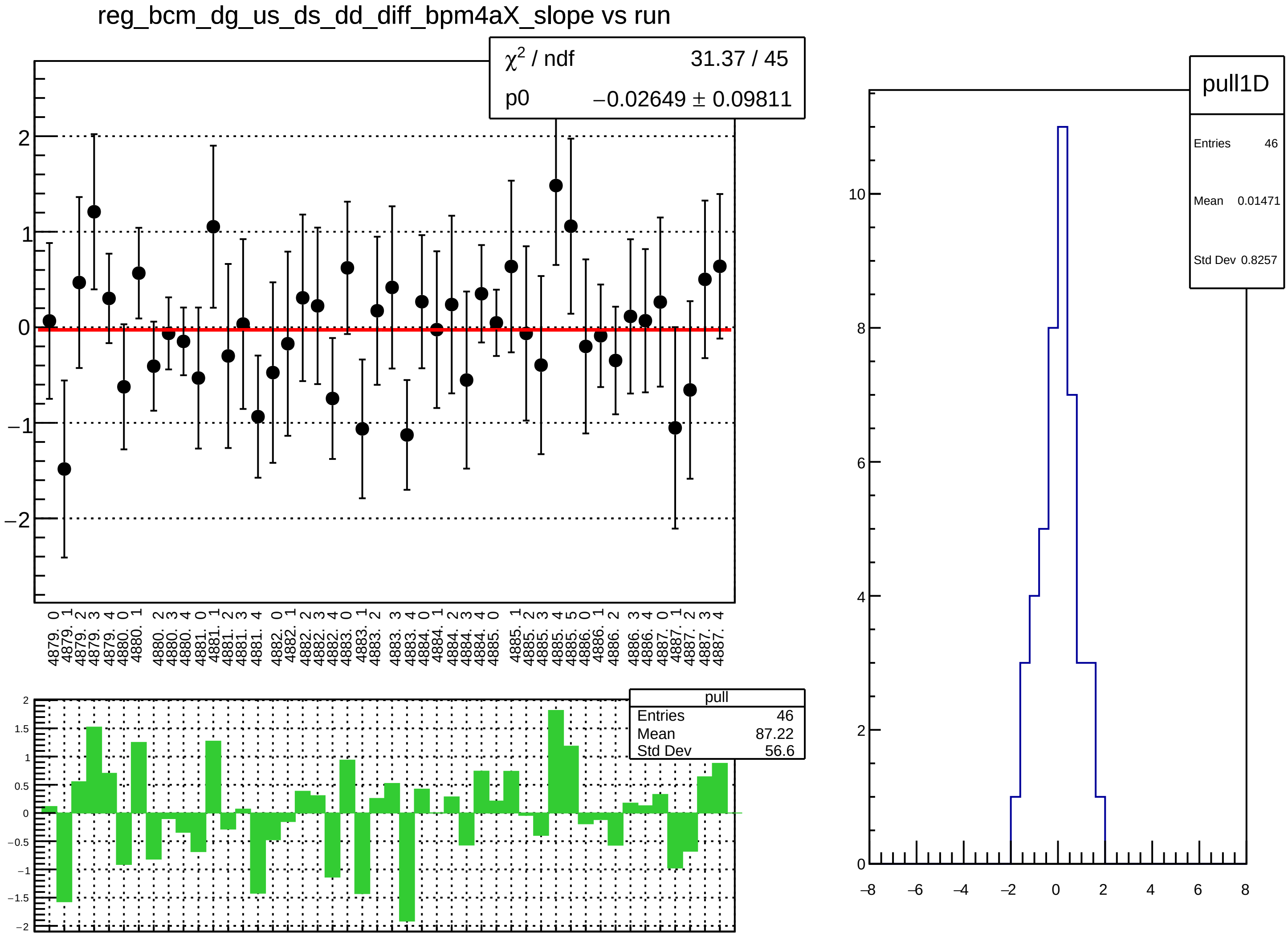


reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ2 / ndf 46.75 / 45
p0 0.1794 ± 0.01823
pull
Entries 46
Mean 23.36
Std Dev 52.68
pull1D
Entries 46
Mean −0.005857
Std Dev 1.008

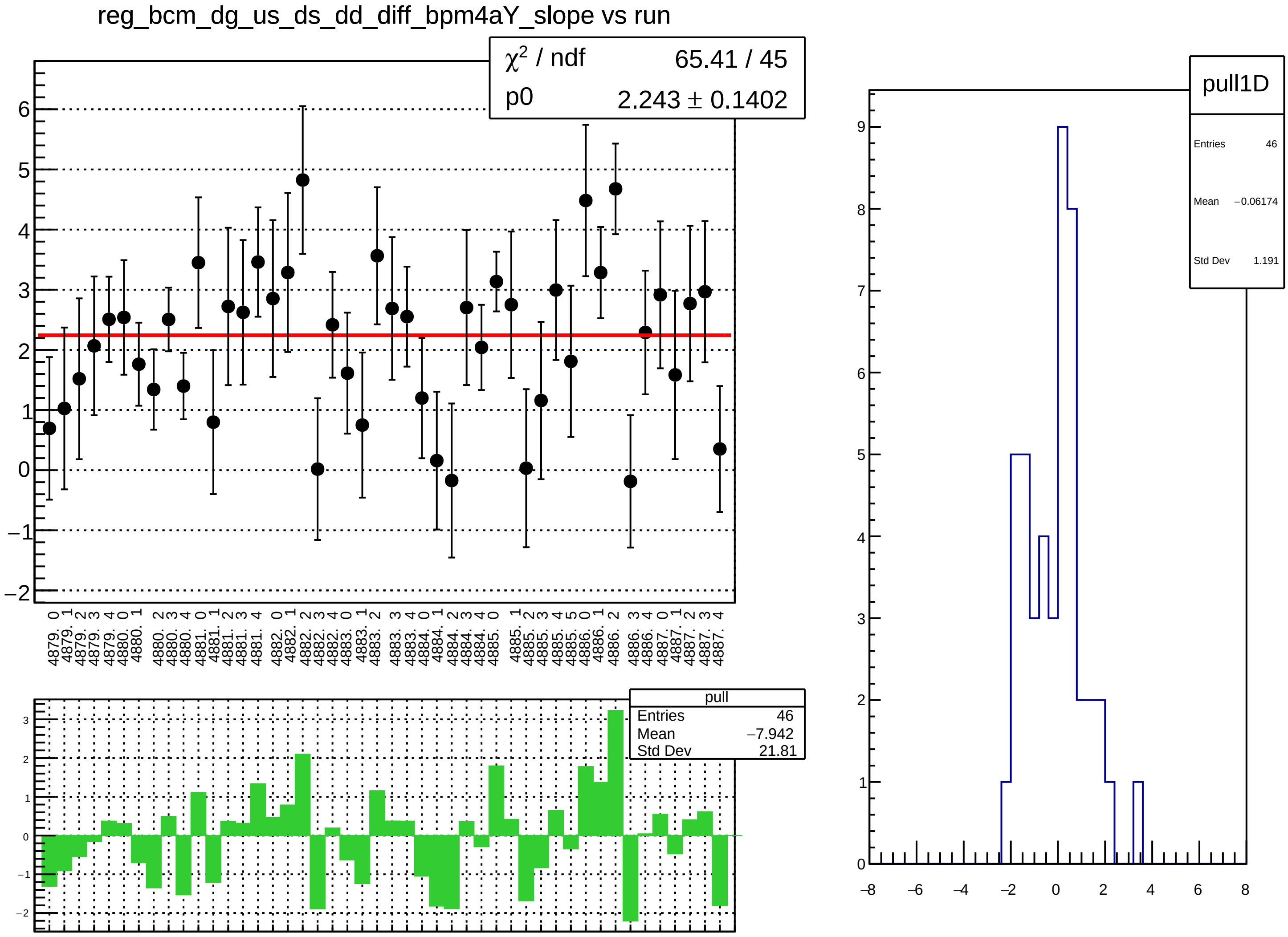

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 52.53 / 45
p0 −0.5116 ± 0.1527
pull
Entries 46
Mean −28.08
Std Dev 32.34
pull1D
Entries 46
Mean 0.02782
Std Dev 1.068



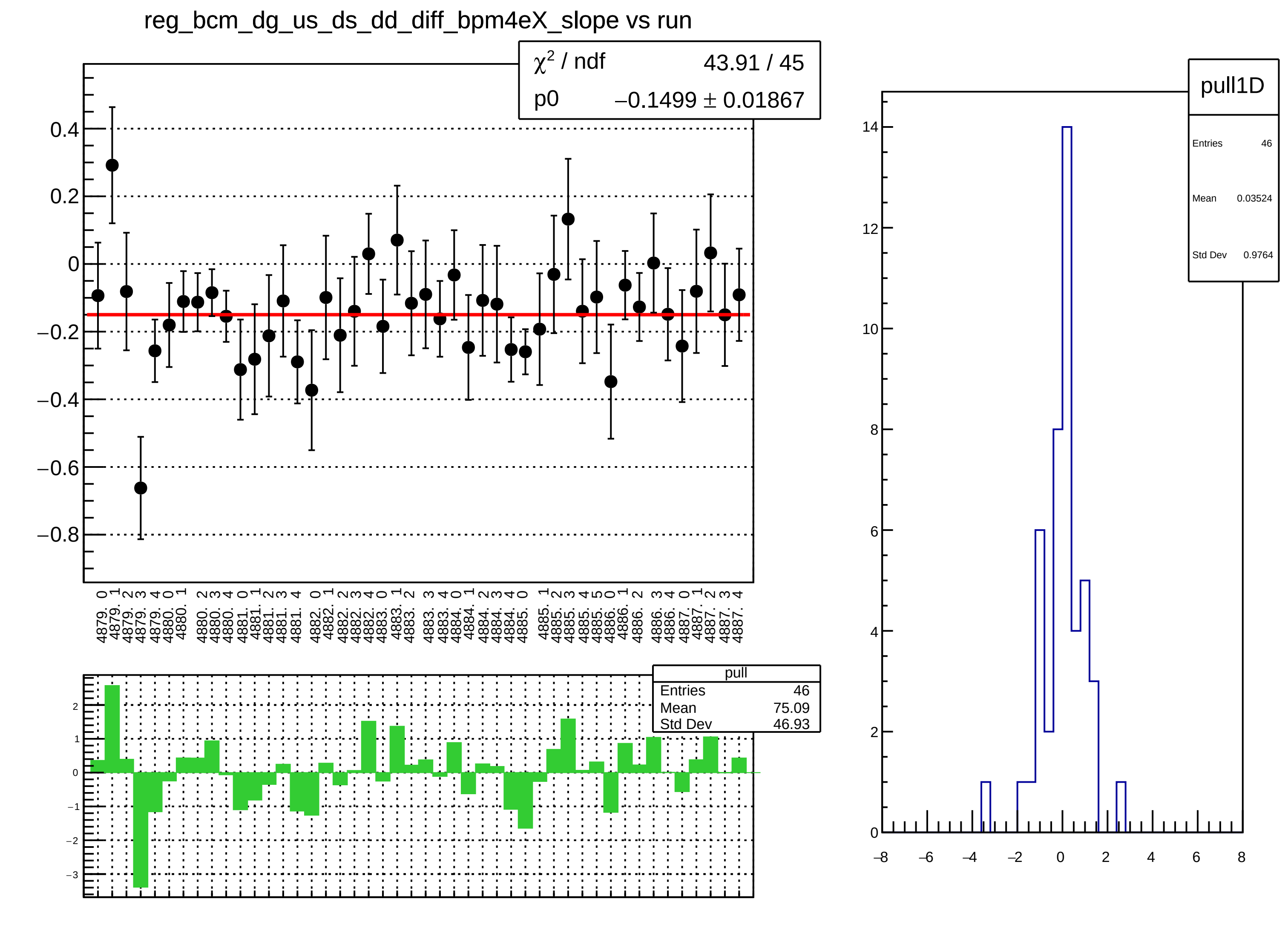
reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 54.22 / 45
p0 −0.01927 ± 0.02509
pull
Entries 46
Mean 3.923
Std Dev 12.76
pull1D
Entries 46
Mean 0.05517
Std Dev 1.084

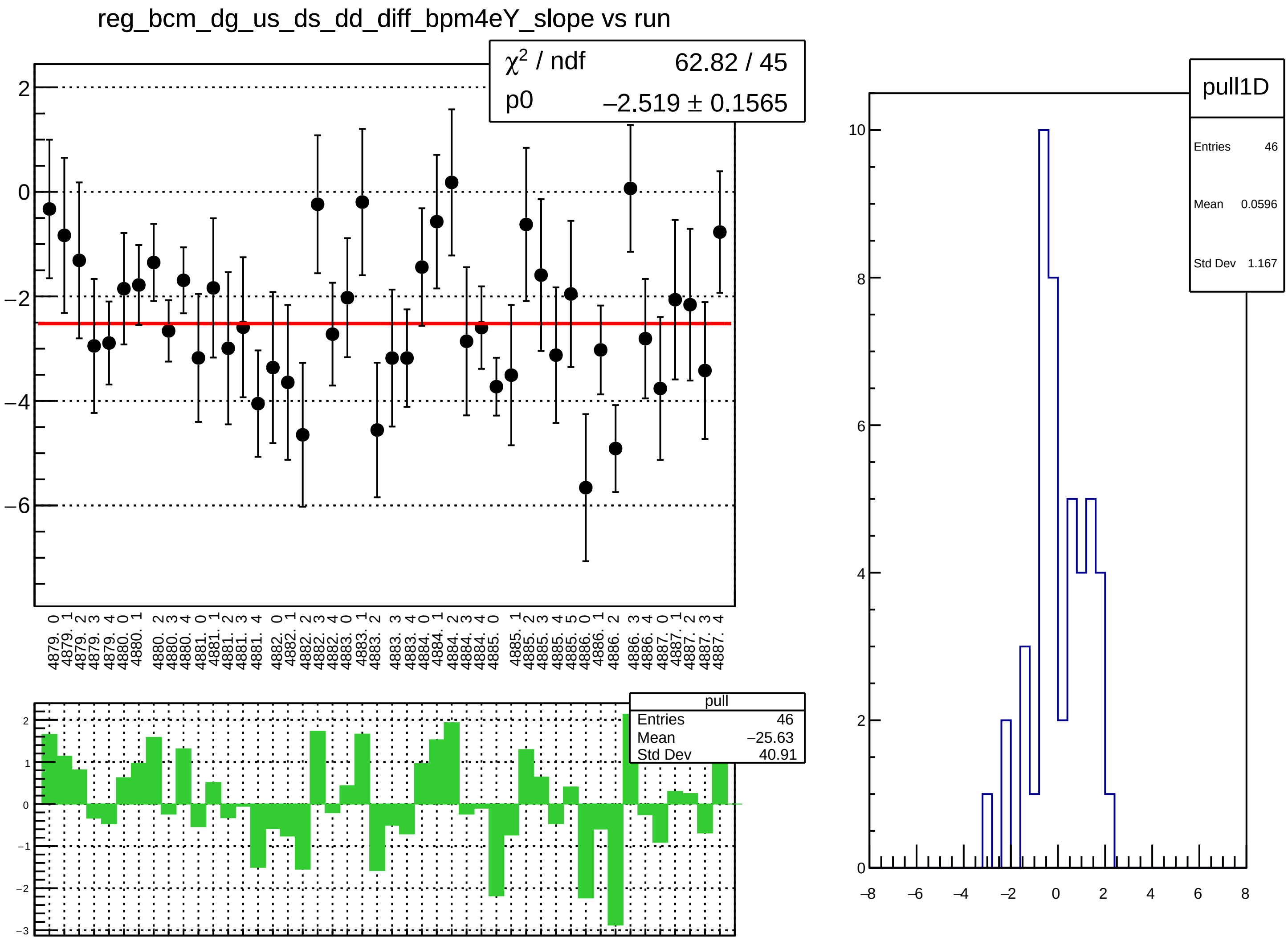


reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 31.37 / 45
p0 −0.02649 ± 0.09811
pull
Entries 46
Mean 87.22
Std Dev 56.6
pull1D
Entries 46
Mean 0.01471
Std Dev 0.8257

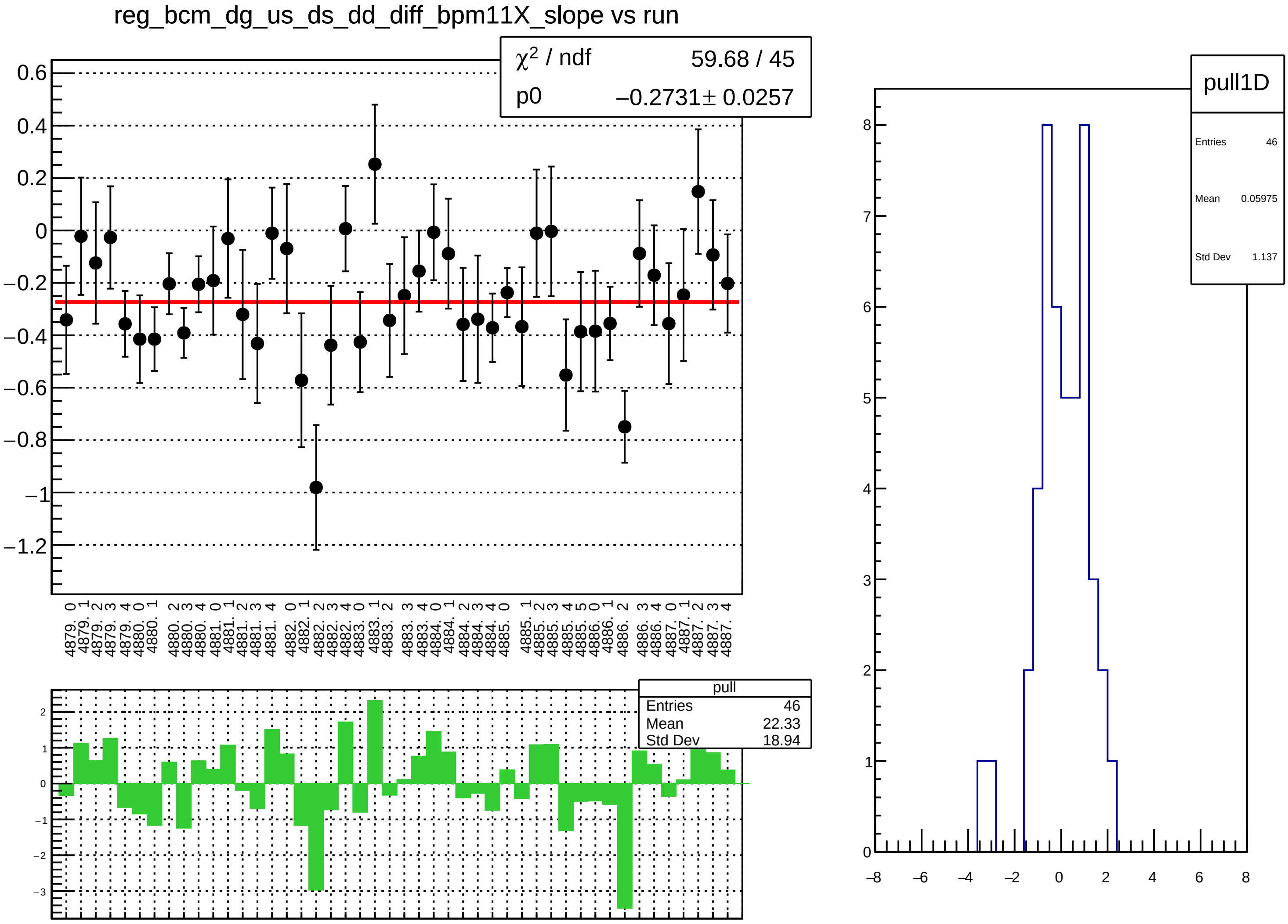


reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 65.41 / 45
p0 2.243 ± 0.1402
pull
Entries 46
Mean −7.942
Std Dev 21.81
pull1D
Entries 46
Mean −0.06174
Std Dev 1.191

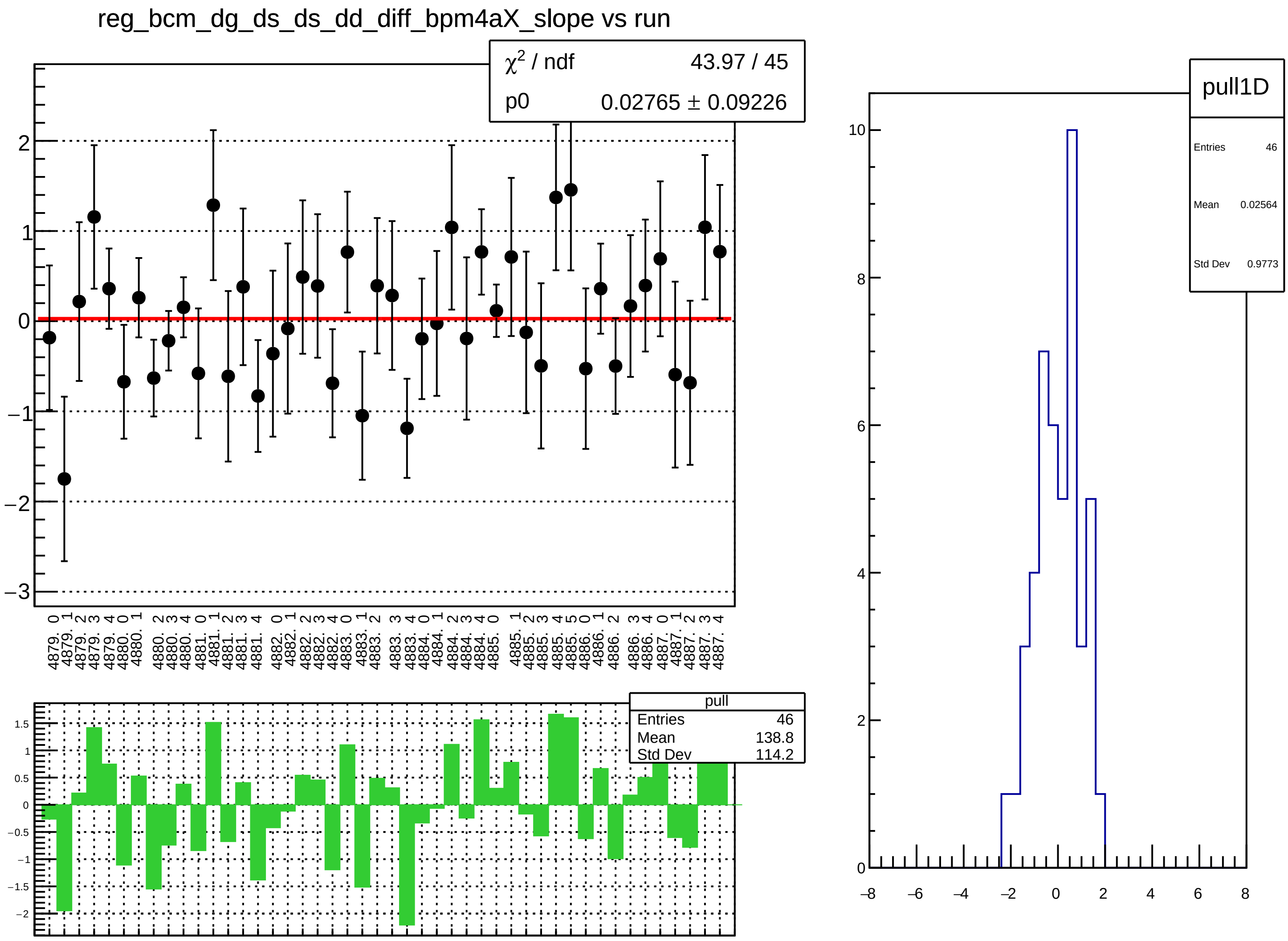

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 43.91 / 45
p0 −0.1499 ± 0.01867
pull
Entries 46
Mean 75.09
Std Dev 46.93
pull1D
Entries 46
Mean 0.03524
Std Dev 0.9764



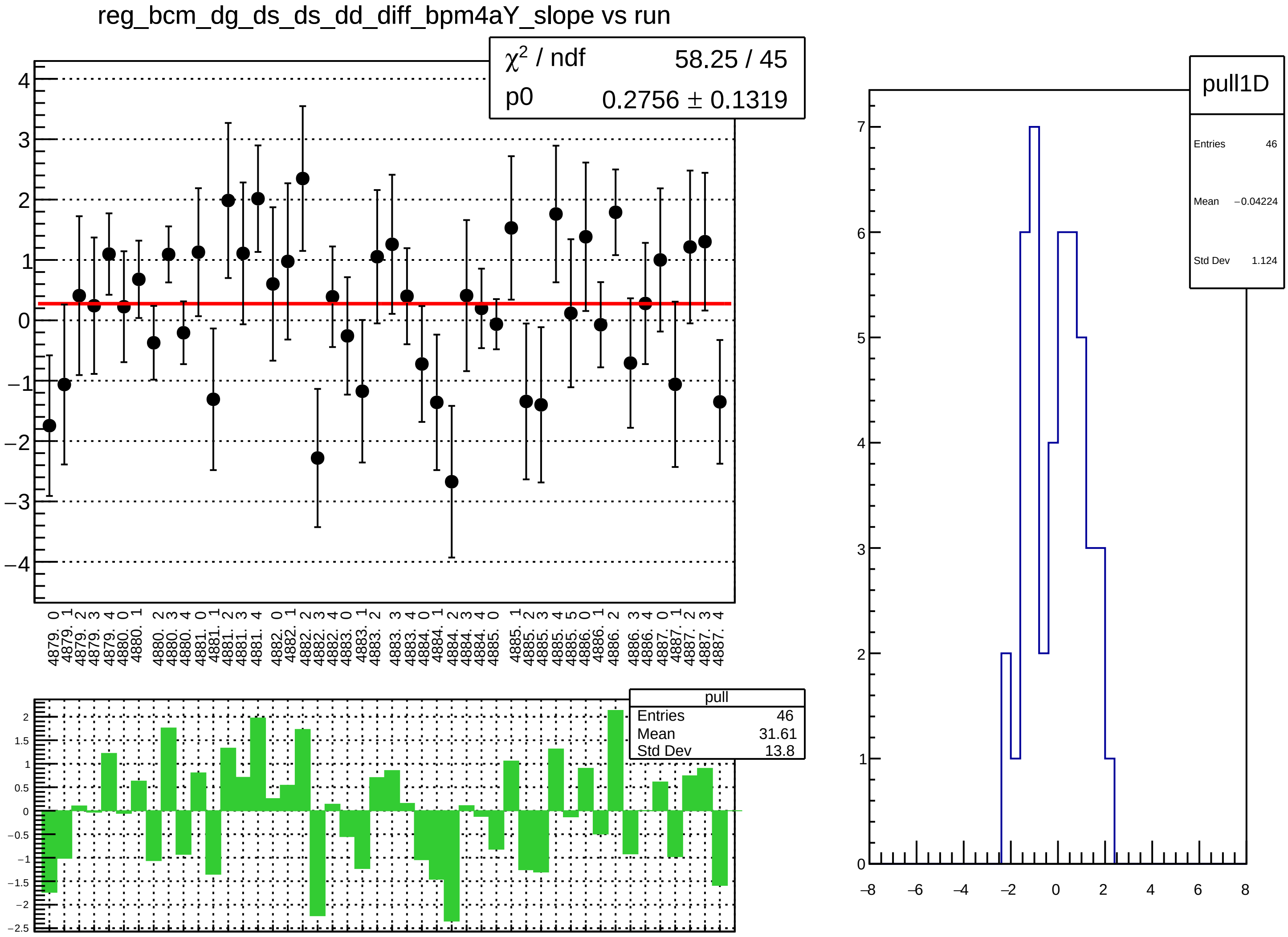
reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 62.82 / 45
p0 −2.519 ± 0.1565
pull
Entries 46
Mean −25.63
Std Dev 40.91
pull1D
Entries 46
Mean 0.0596
Std Dev 1.167



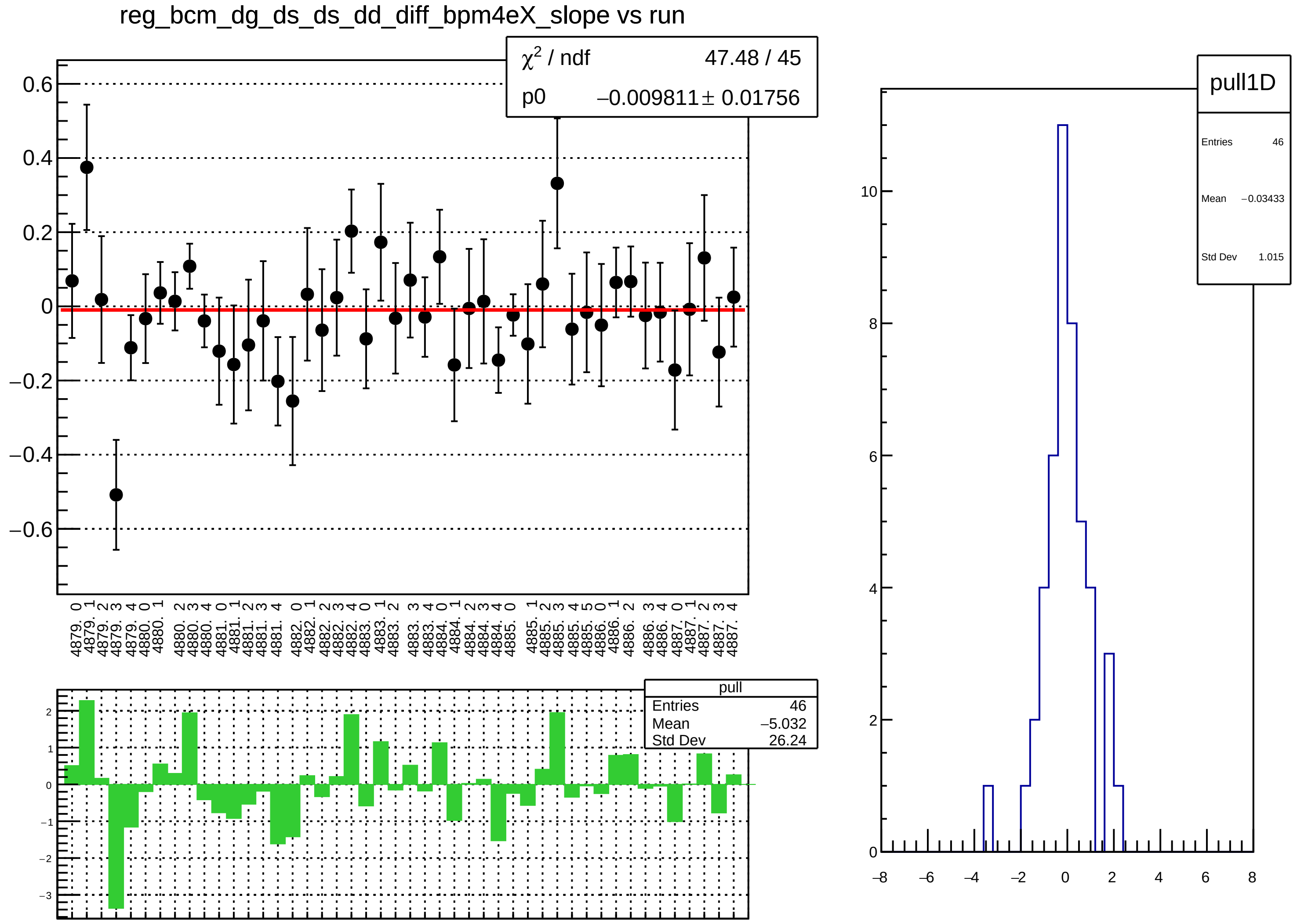
reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ^2 / ndf 59.68 / 45
p0 −0.2731± 0.0257
pull
Entries 46
Mean 22.33
Std Dev 18.94
pull1D
Entries 46
Mean 0.05975
Std Dev 1.137

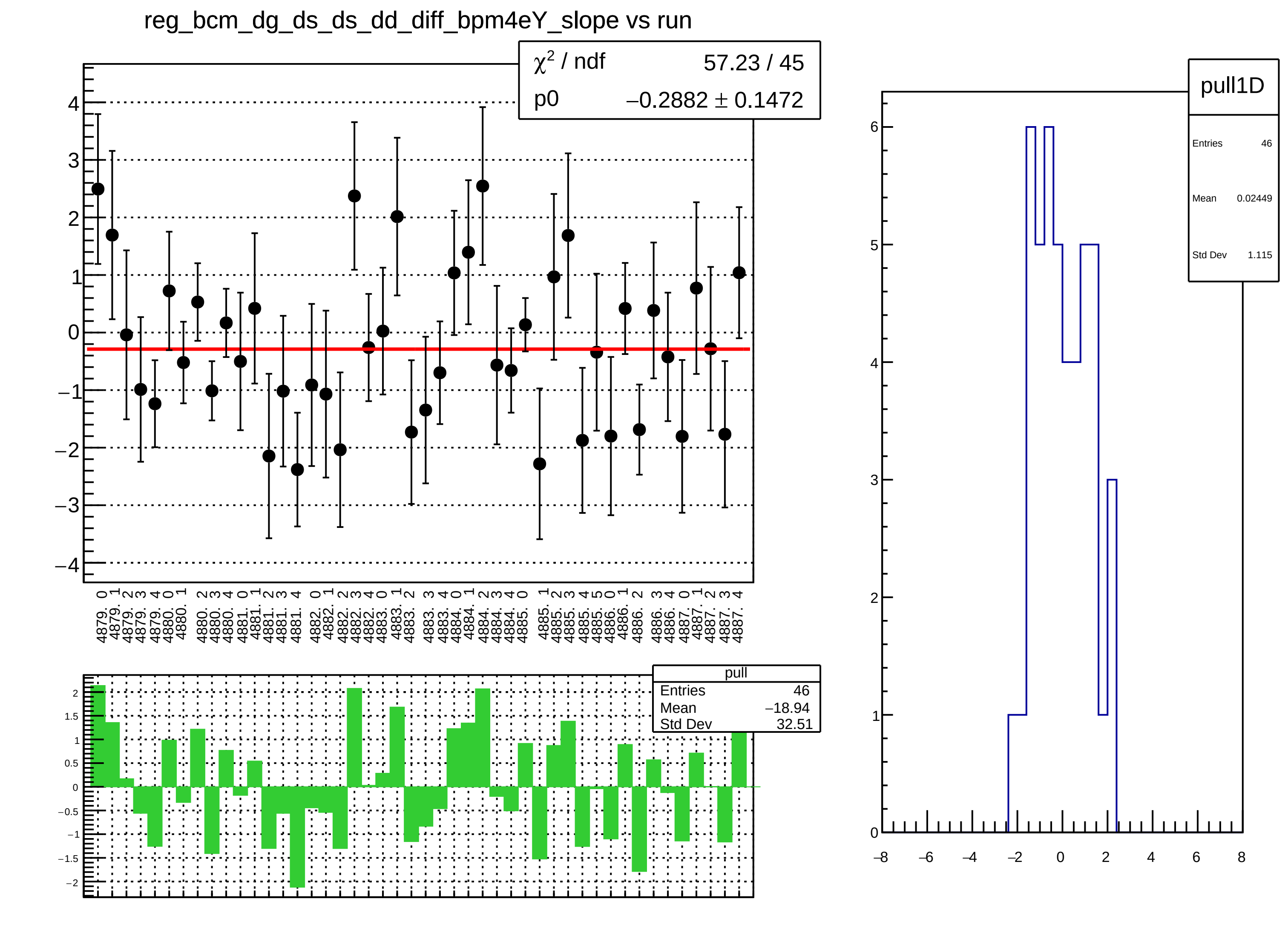


reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 43.97 / 45
p0 0.02765 ± 0.09226
pull
Entries 46
Mean 138.8
Std Dev 114.2
pull1D
Entries 46
Mean 0.02564
Std Dev 0.9773



reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 58.25 / 45
p0 0.2756 ± 0.1319
pull
Entries 46
Mean 31.61
Std Dev 13.8
pull1D
Entries 46
Mean −0.04224
Std Dev 1.124


reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 47.48 / 45
p0 −0.009811 ± 0.01756
pull
Entries 46
Mean −5.032
Std Dev 26.24
pull1D
Entries 46
Mean −0.03433
Std Dev 1.015


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ2 / ndf 57.23 / 45
p0 −0.2882 ± 0.1472
pull
Entries 46
Mean −18.94
Std Dev 32.51
pull1D
Entries 46
Mean 0.02449
Std Dev 1.115

reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run