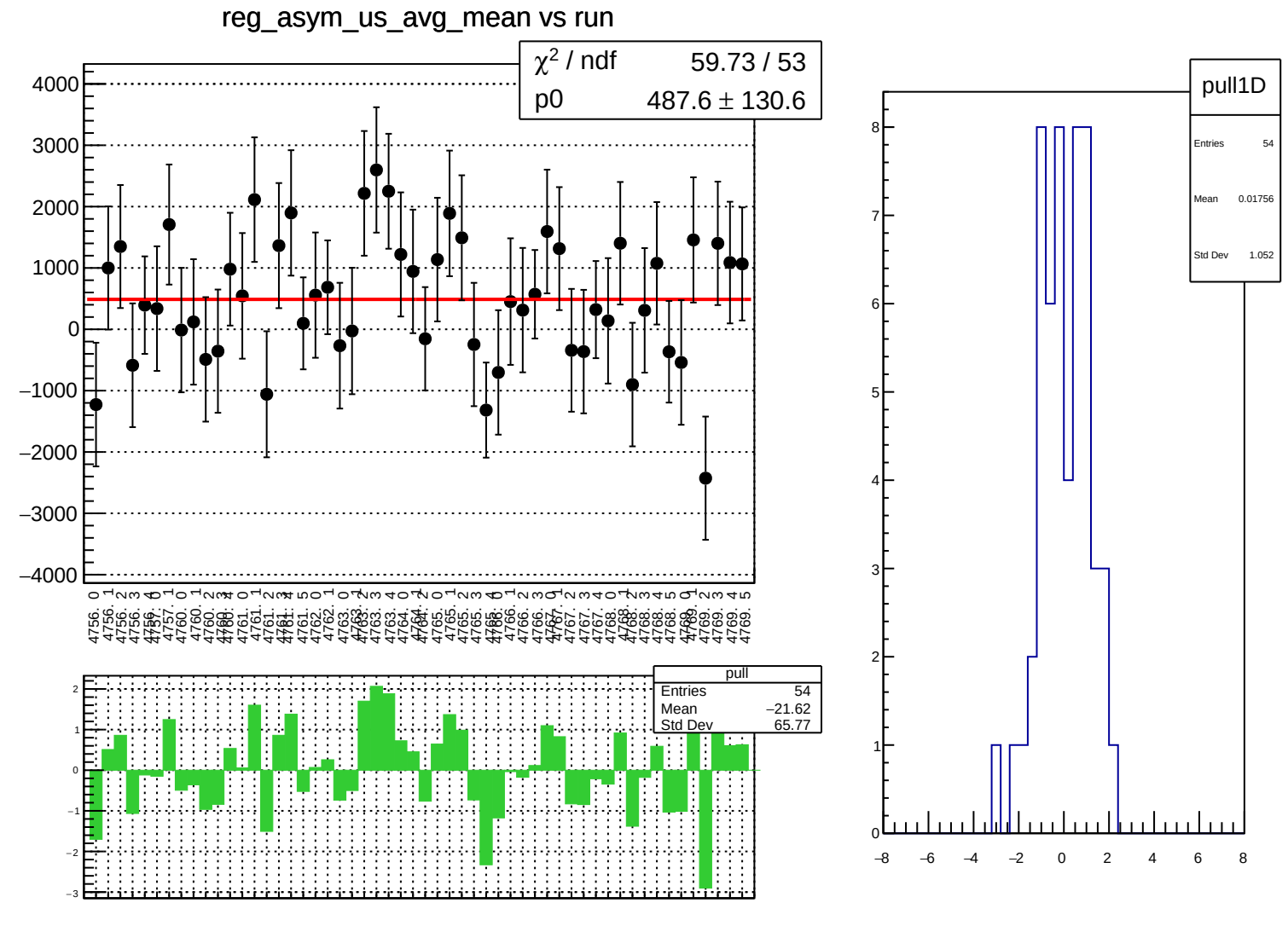
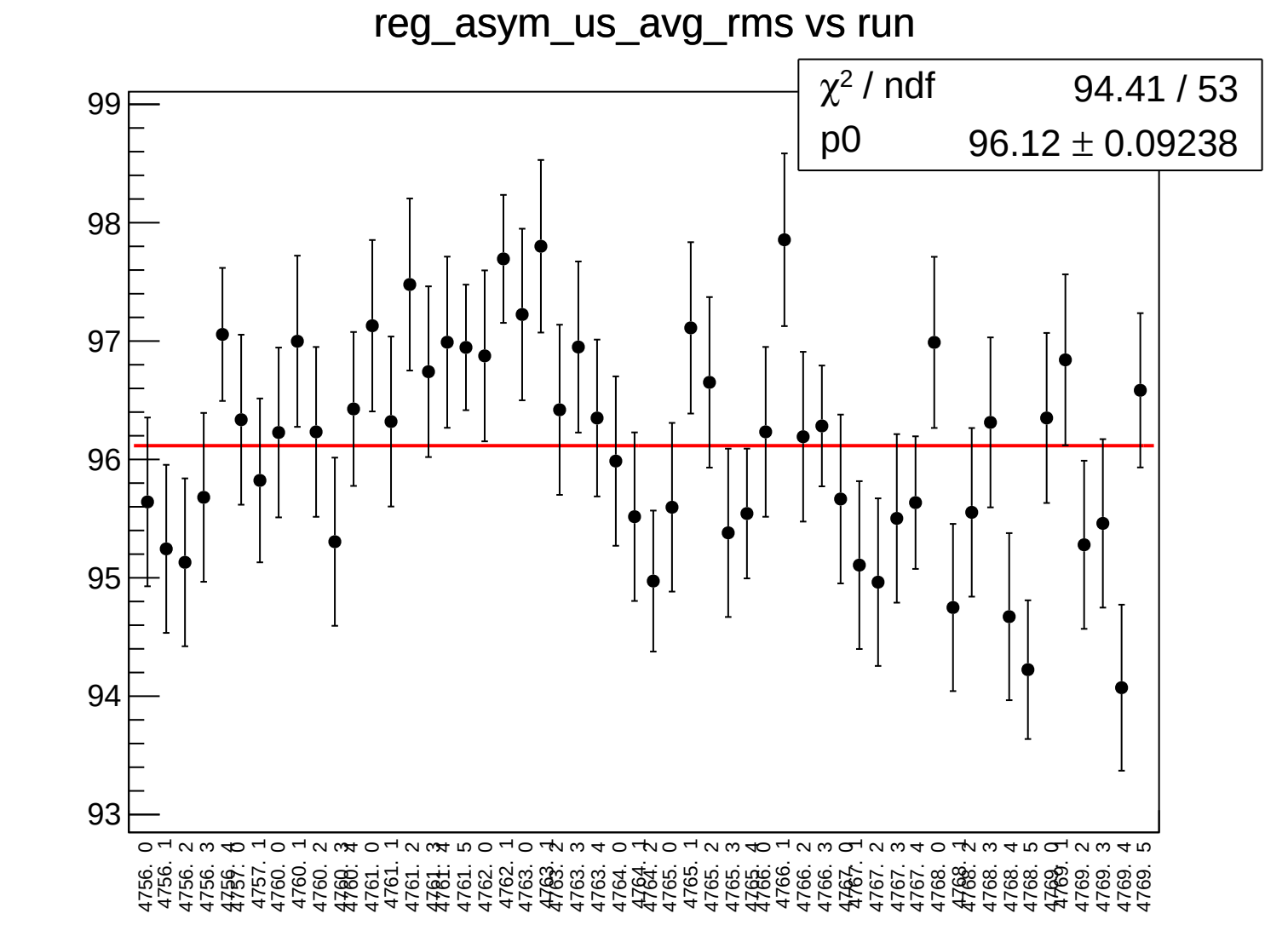
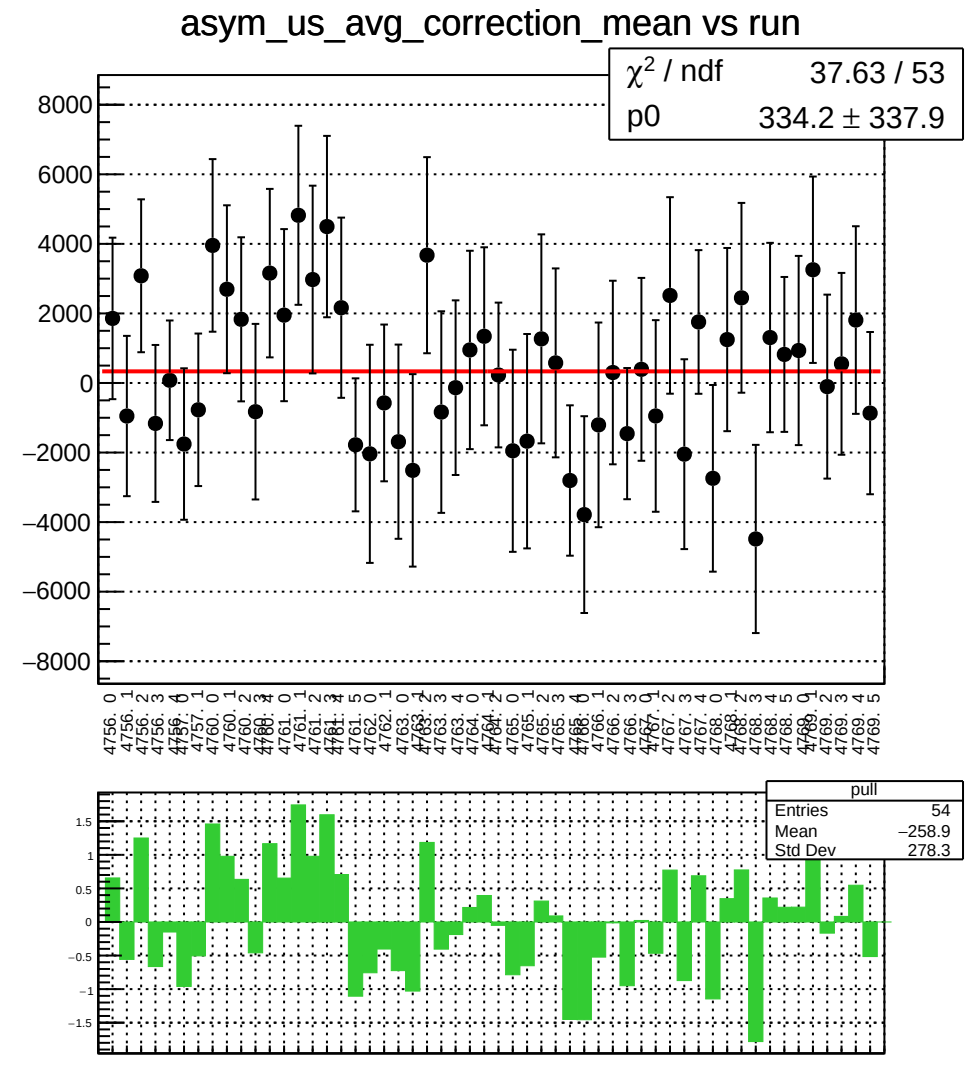
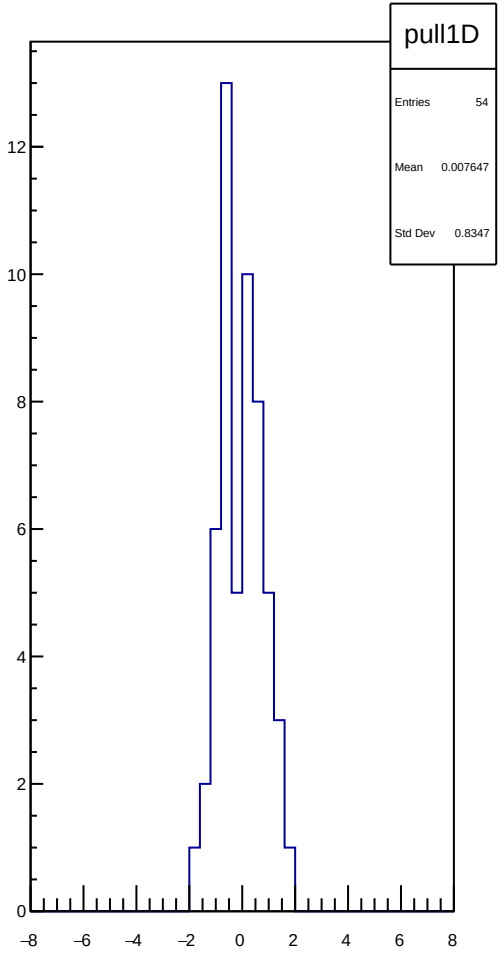
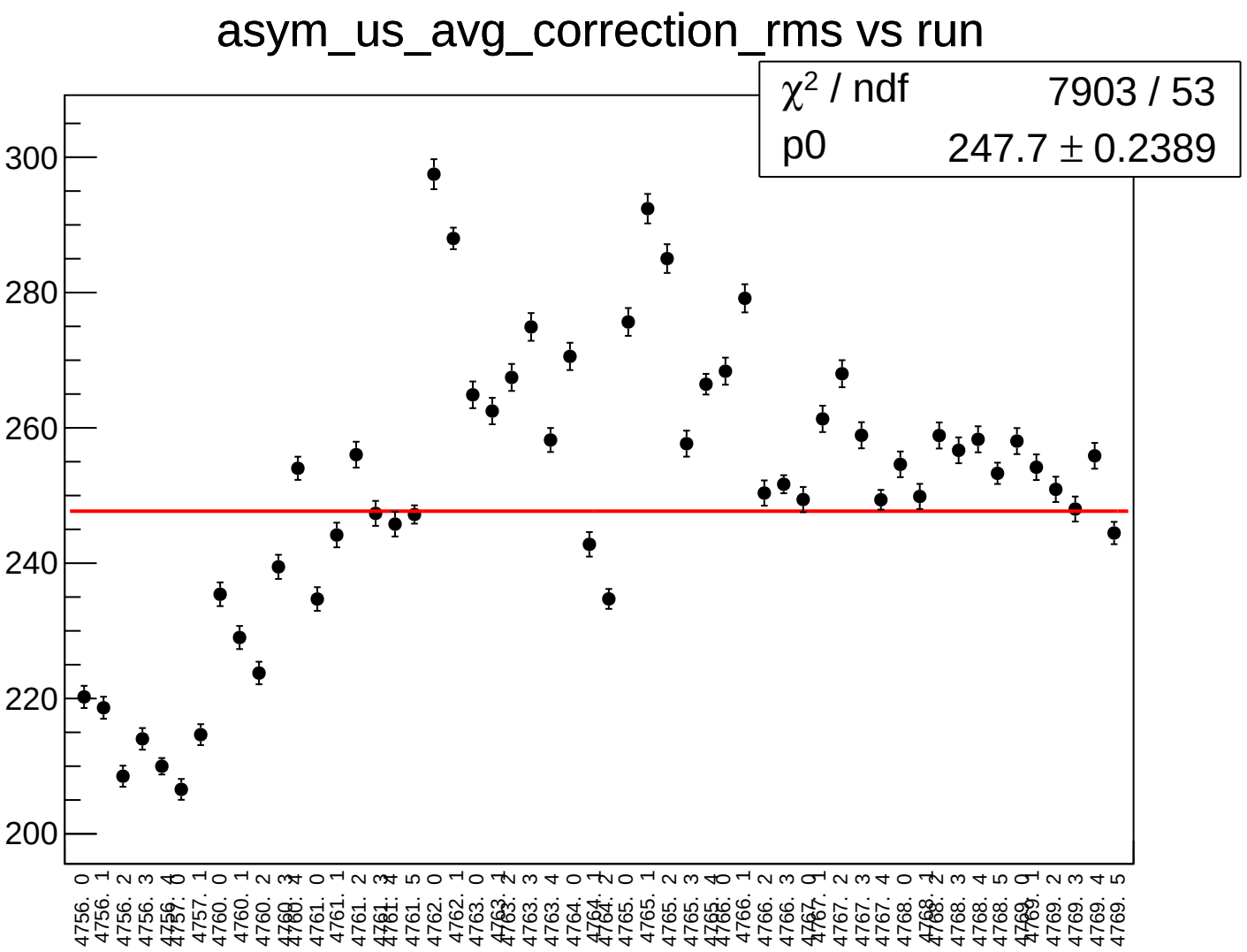

reg_asym_us_avg_mean vs run
χ² / ndf 59.73 / 53
p0 487.6 ± 130.6
pull
Entries 54
Mean −21.62
Std Dev 65.77
pull1D
Entries 54
Mean 0.01756
Std Dev 1.052


reg_asym_us_avg_rms vs run
χ² / ndf 94.41 / 53
p0 96.12 ± 0.09238
99
98
97
96
95
94
93
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_us_avg_correction_mean vs run
χ² / ndf 37.63 / 53
p0 334.2 ± 337.9
pull
Entries 54
Mean −258.9
Std Dev 278.3


pull1D
Entries 54
Mean 0.007647
Std Dev 0.8347


asym_us_avg_correction_rms vs run
χ² / ndf 7903 / 53
p0 247.7 ± 0.2389
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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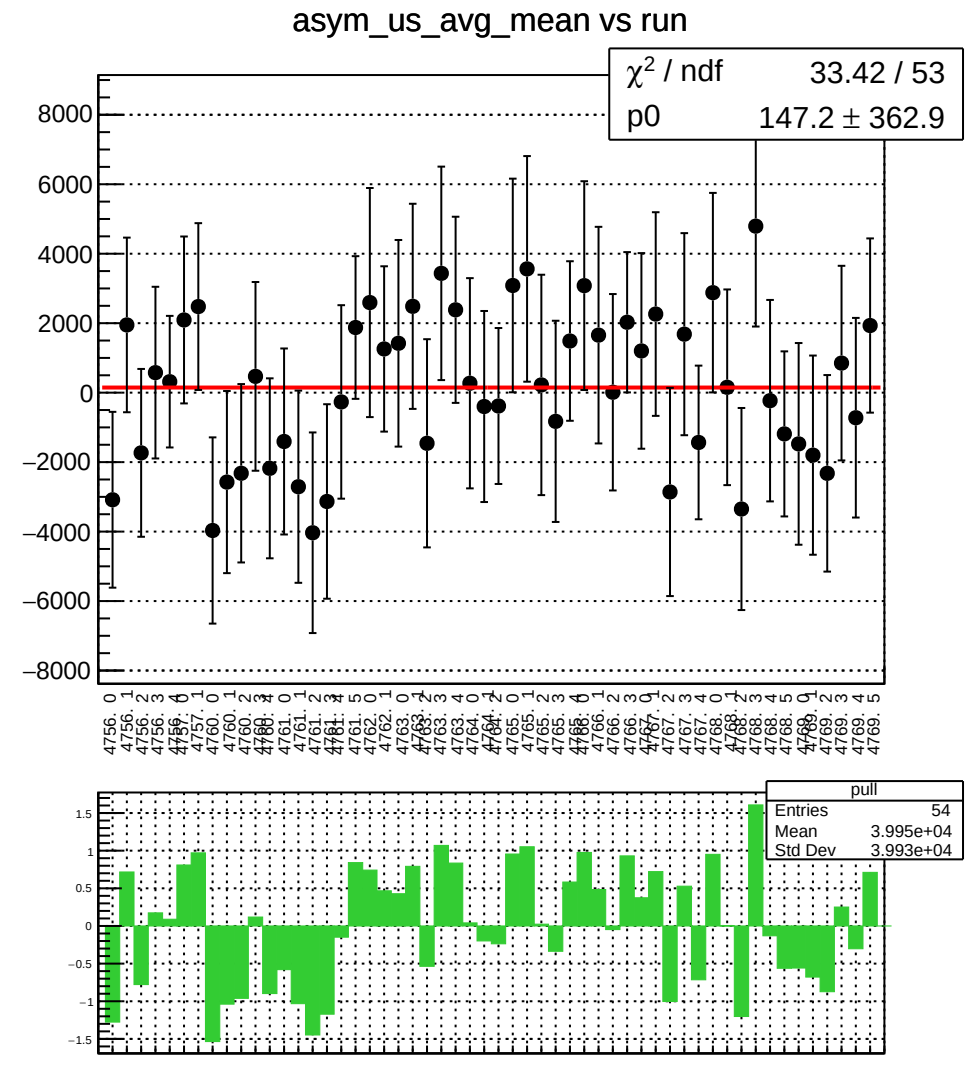
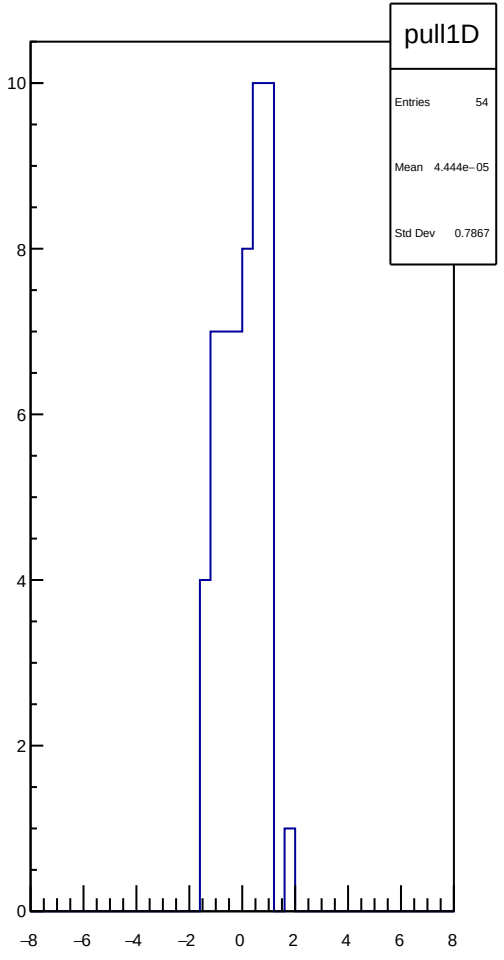
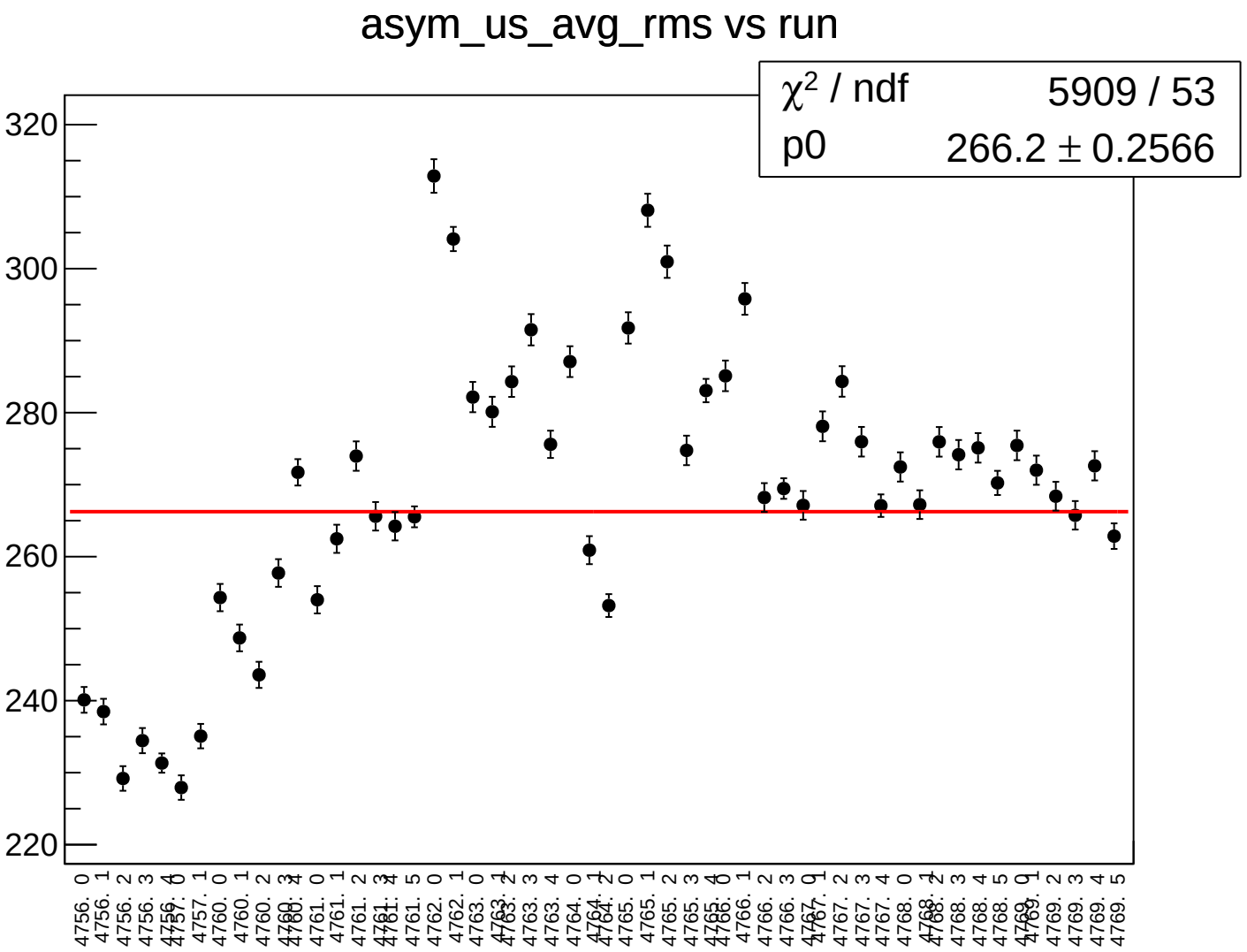
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_us_avg_mean vs run
χ² / ndf 33.42 / 53
p0 147.2 ± 362.9
pull
Entries 54
Mean 3.995e+04
Std Dev 3.993e+04


pull1D
Entries 54
Mean 4.444e−05
Std Dev 0.7867


asym_us_avg_rms vs run
χ² / ndf 5909 / 53
p0 266.2 ± 0.2566
320
300
280
260
240
220
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
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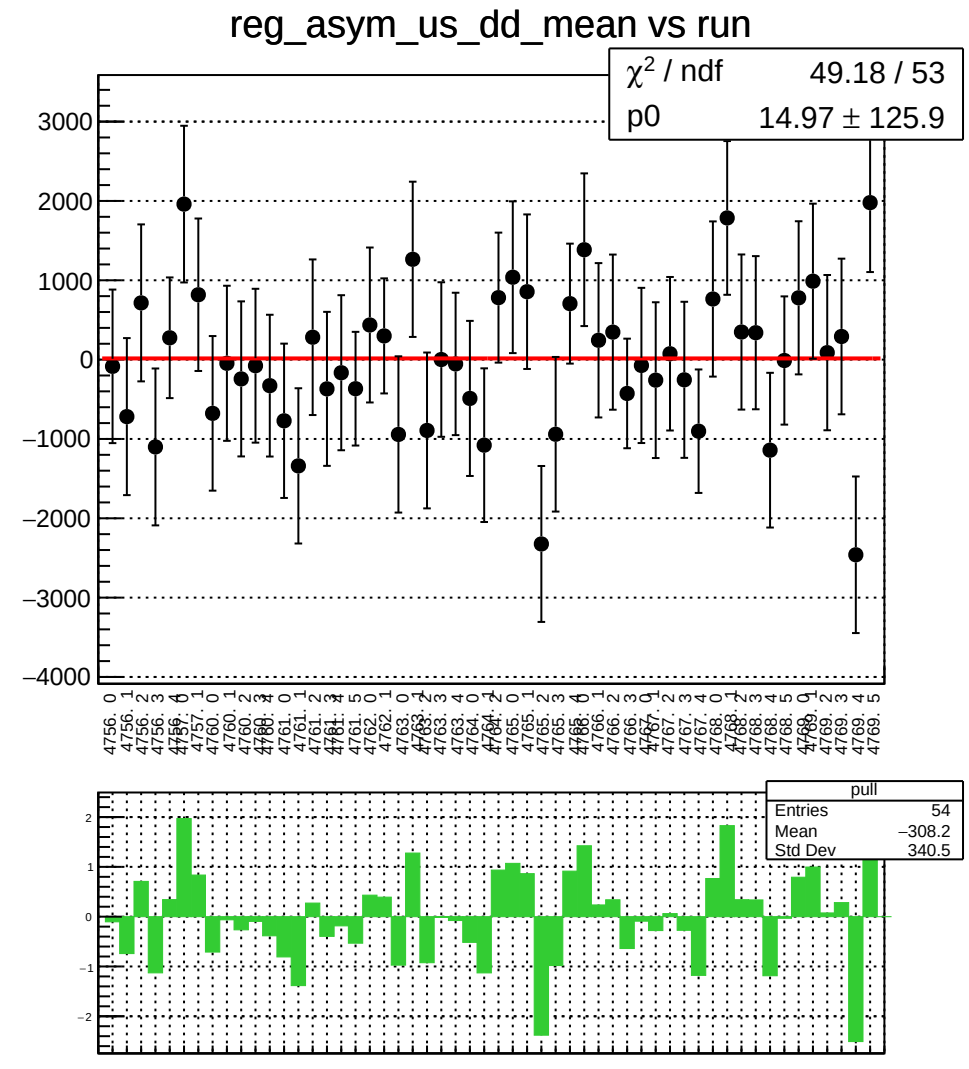
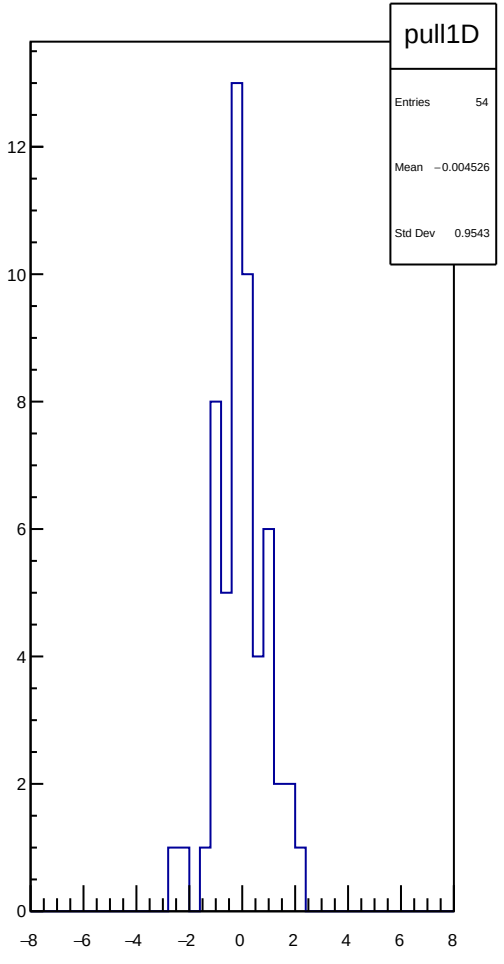
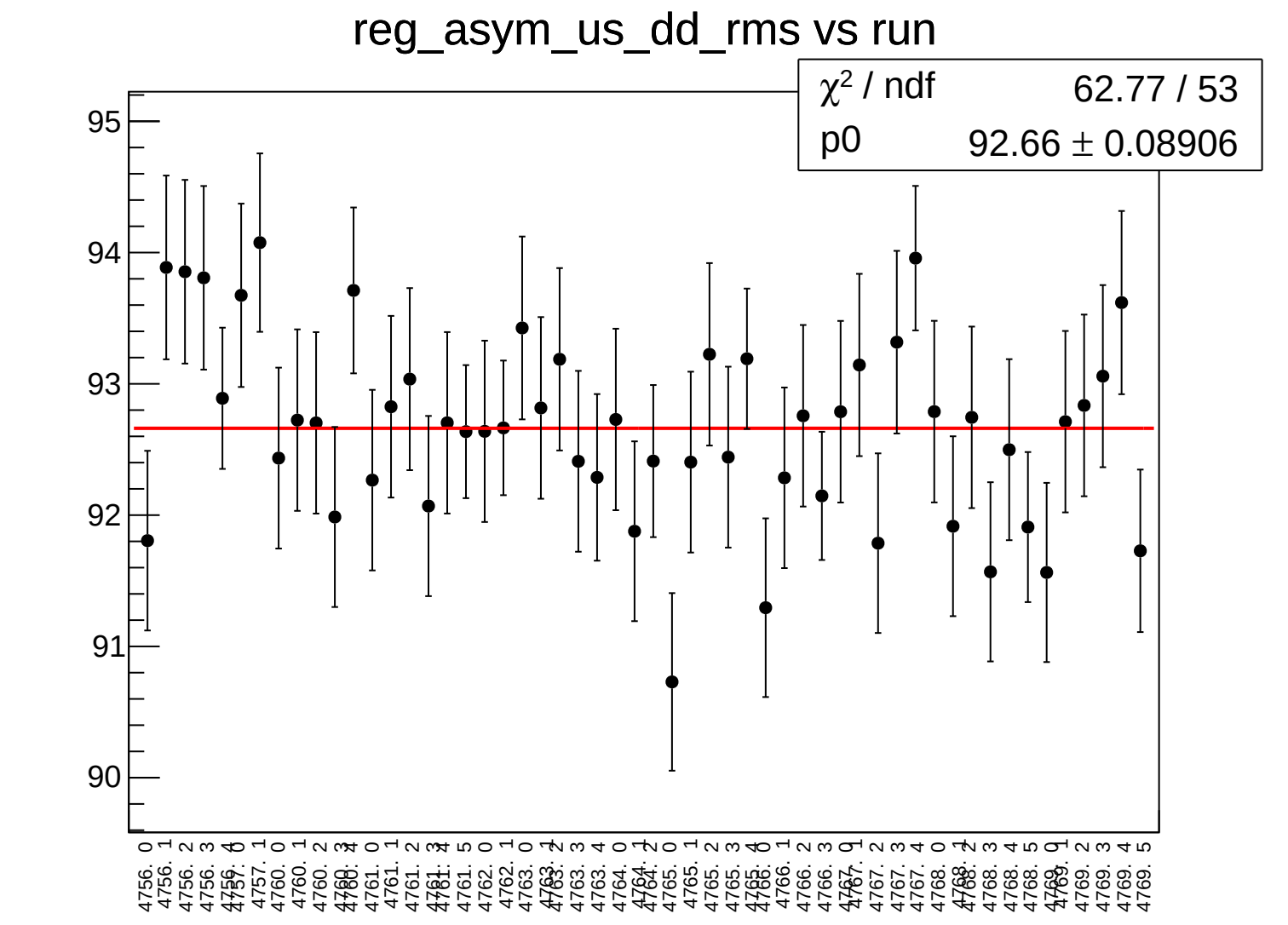
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_us_dd_mean vs run
χ² / ndf 49.18 / 53
p0 14.97 ± 125.9
pull
Entries 54
Mean −308.2
Std Dev 340.5


pull1D
Entries 54
Mean −0.004526
Std Dev 0.9543


reg_asym_us_dd_rms vs run
χ^2 / ndf 62.77 / 53
p0 92.66 ± 0.08906
95
94
93
92
91
90
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
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4765. 2
4765. 3
4765. 4
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4766. 2
4766. 3
4766. 4
4767. 0
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4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
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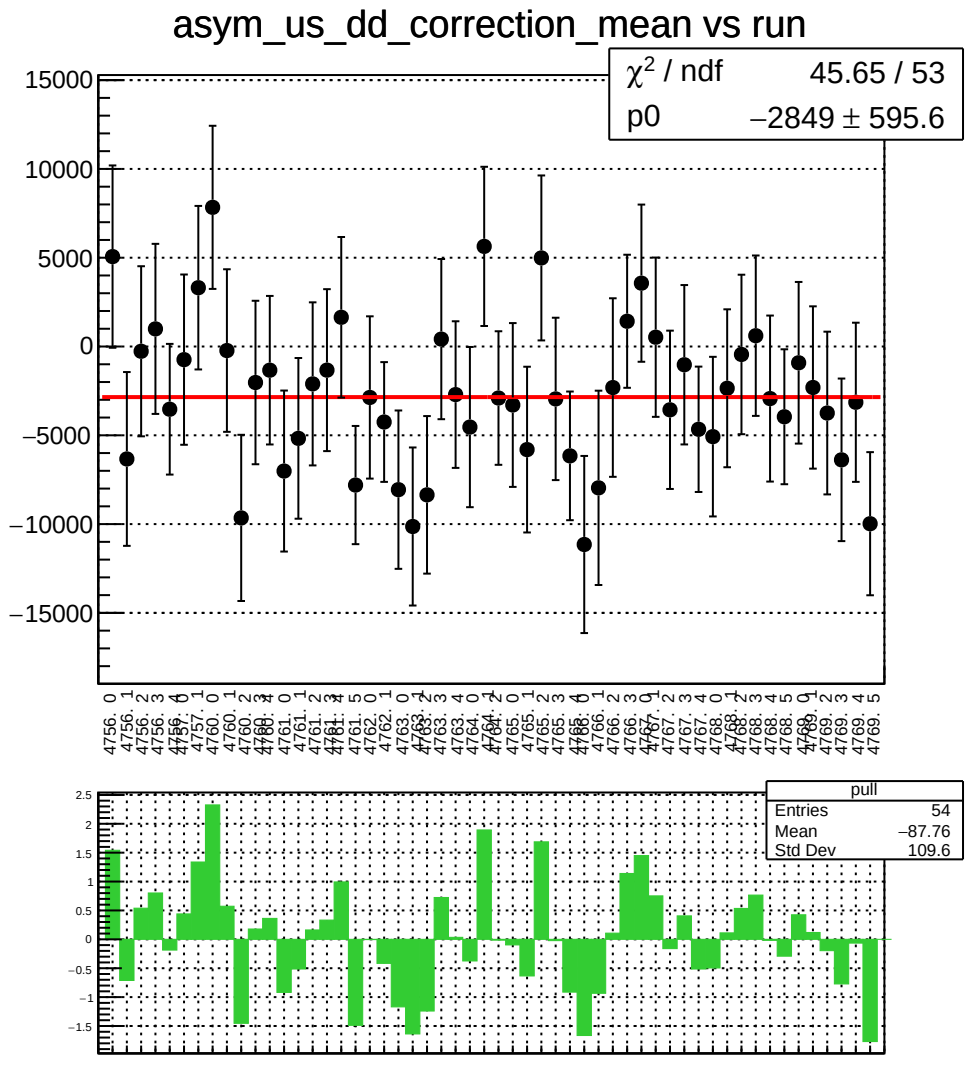
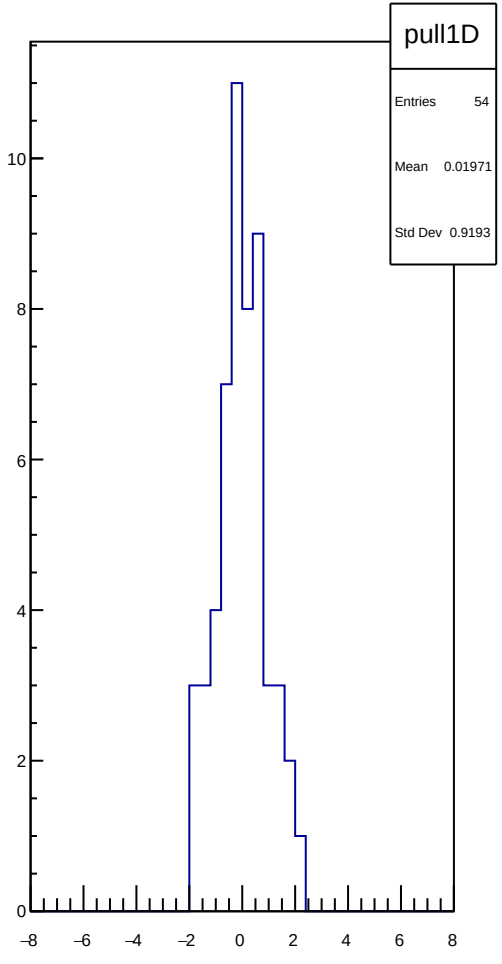
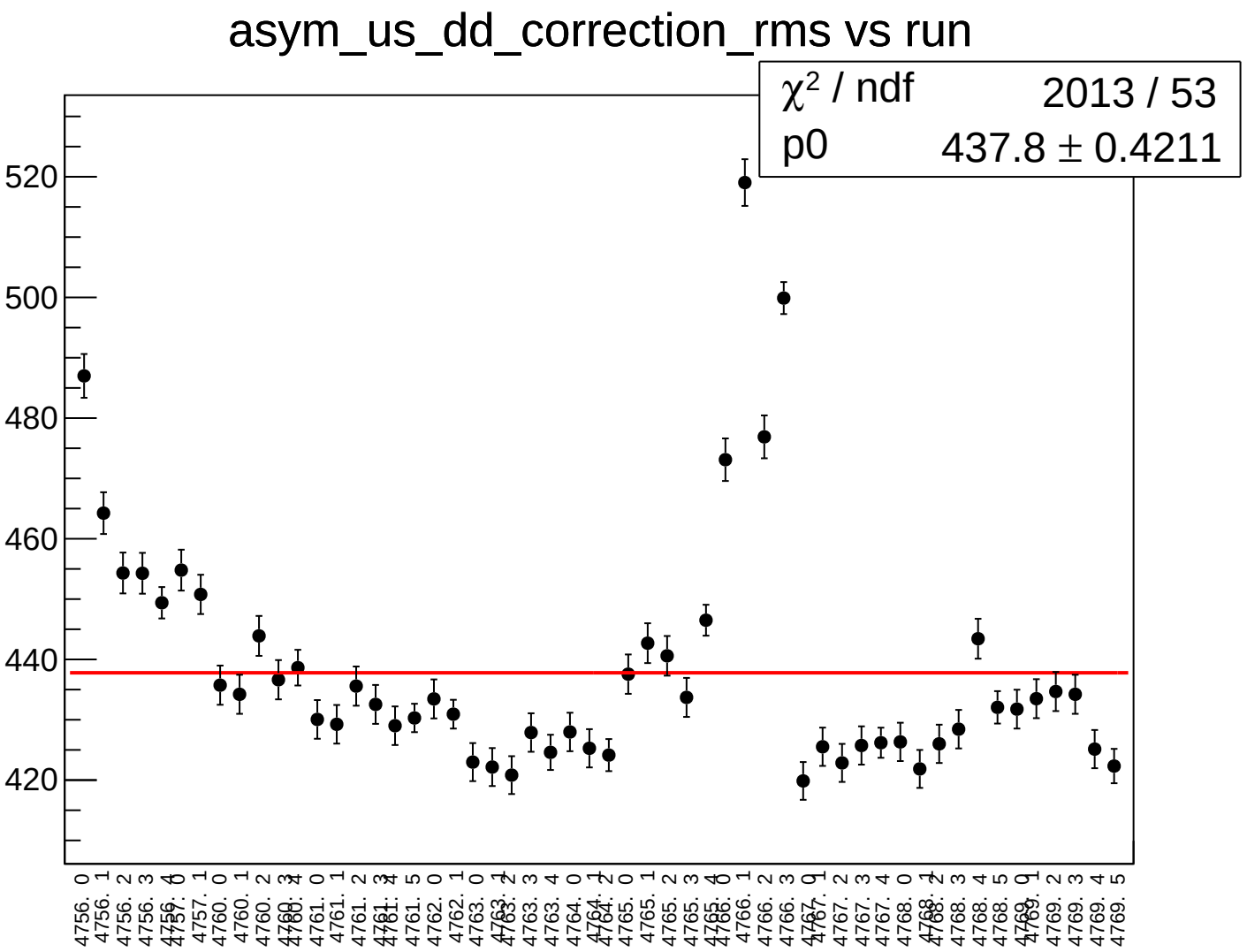
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_us_dd_correction_mean vs run
χ² / ndf 45.65 / 53
p0 −2849 ± 595.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −87.76
Std Dev 109.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 54
Mean 0.01971
Std Dev 0.9193
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_correction_rms vs run
χ² / ndf 2013 / 53
p0 437.8 ± 0.4211
520
500
480
460
440
420
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
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4768. 4
4768. 5
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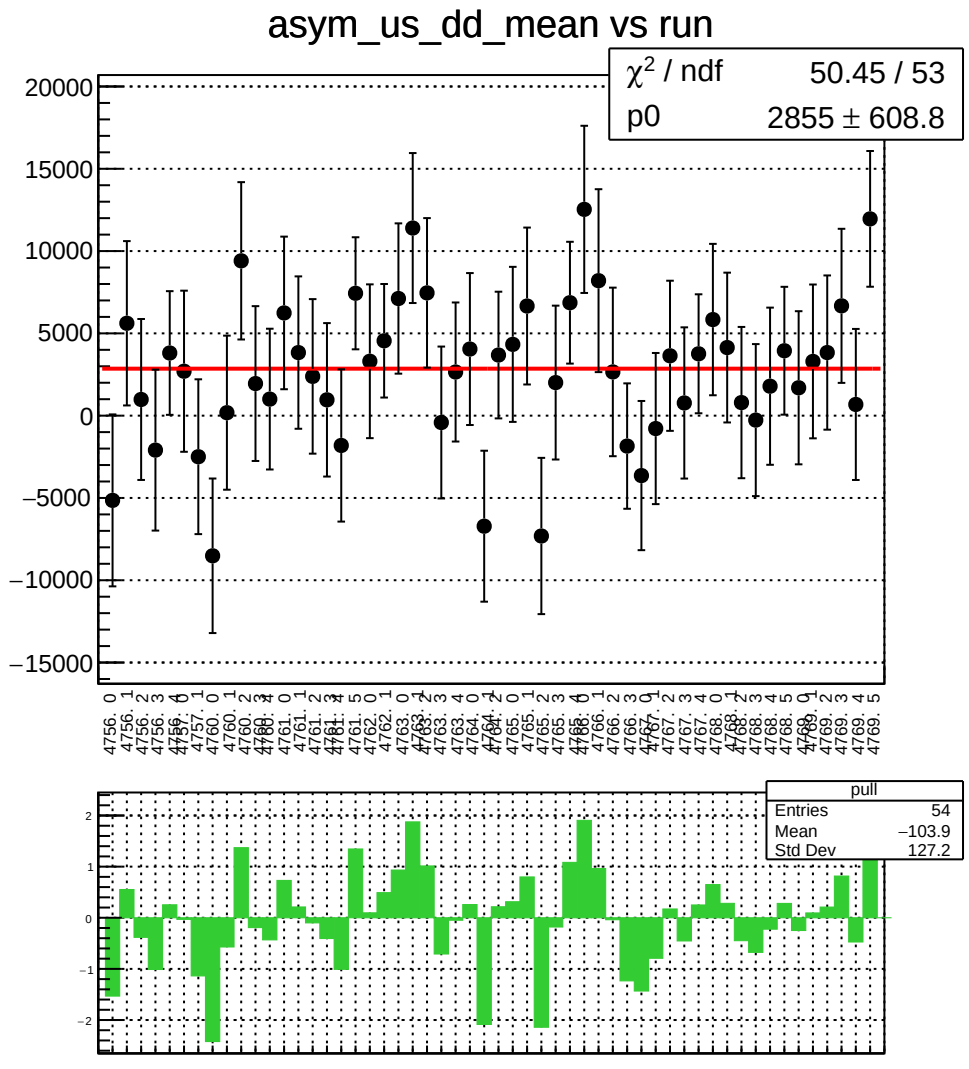
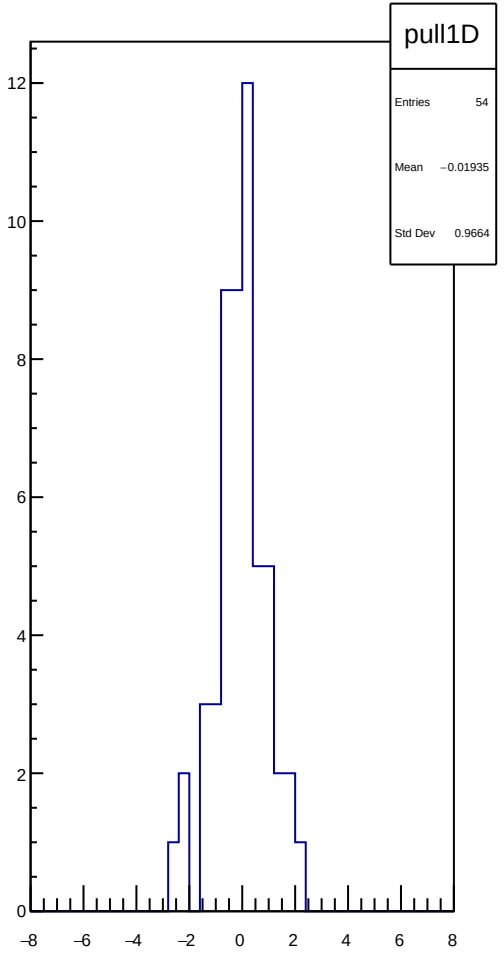
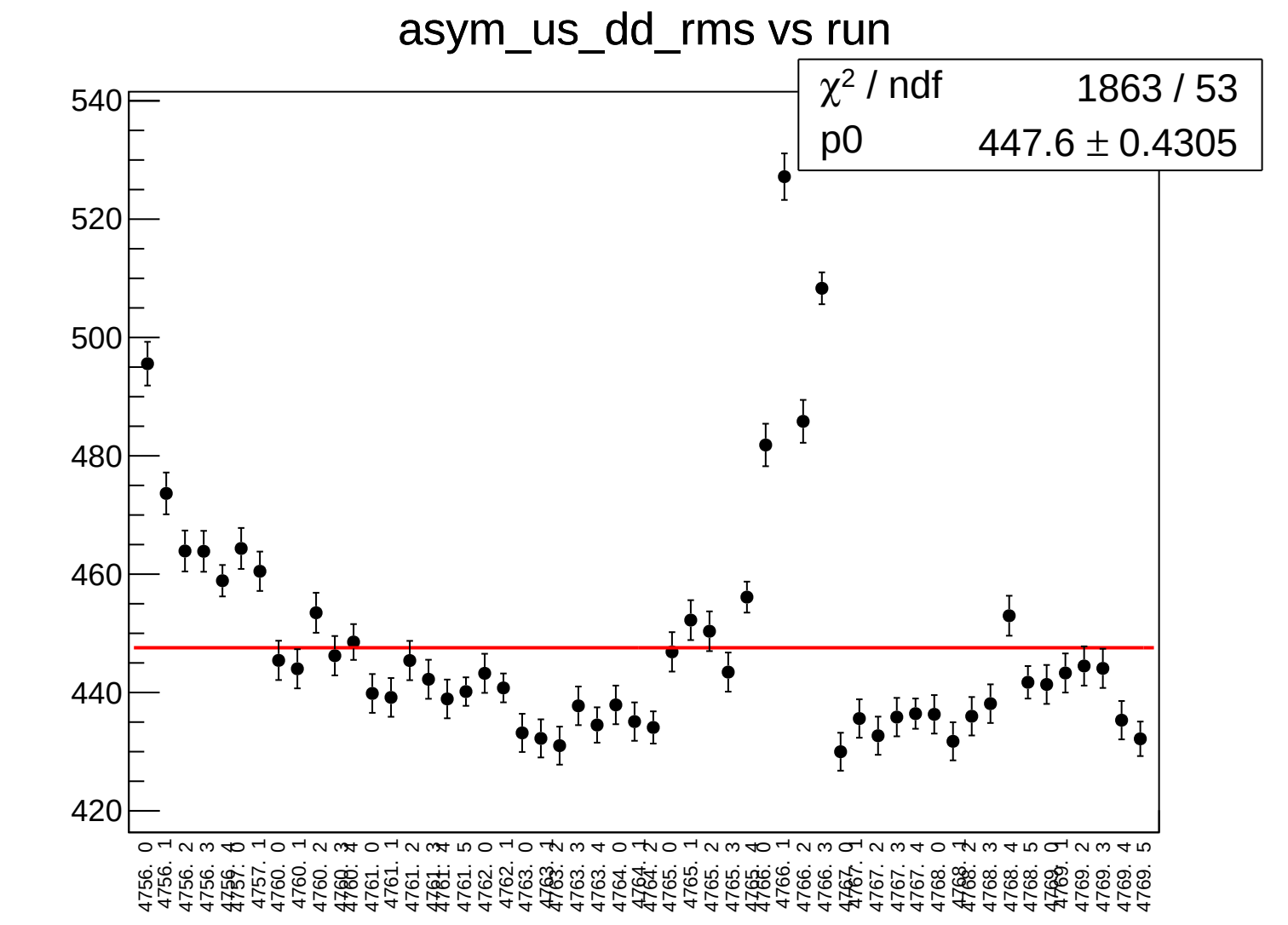
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_us_dd_mean vs run
χ² / ndf 50.45 / 53
p0 2855 ± 608.8
pull
Entries 54
Mean −103.9
Std Dev 127.2


pull1D
Entries 54
Mean −0.01935
Std Dev 0.9664


asym_us_dd_rms vs run
χ² / ndf 1863 / 53
p0 447.6 ± 0.4305
540
520
500
480
460
440
420
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
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4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
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4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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4768. 4
4768. 5
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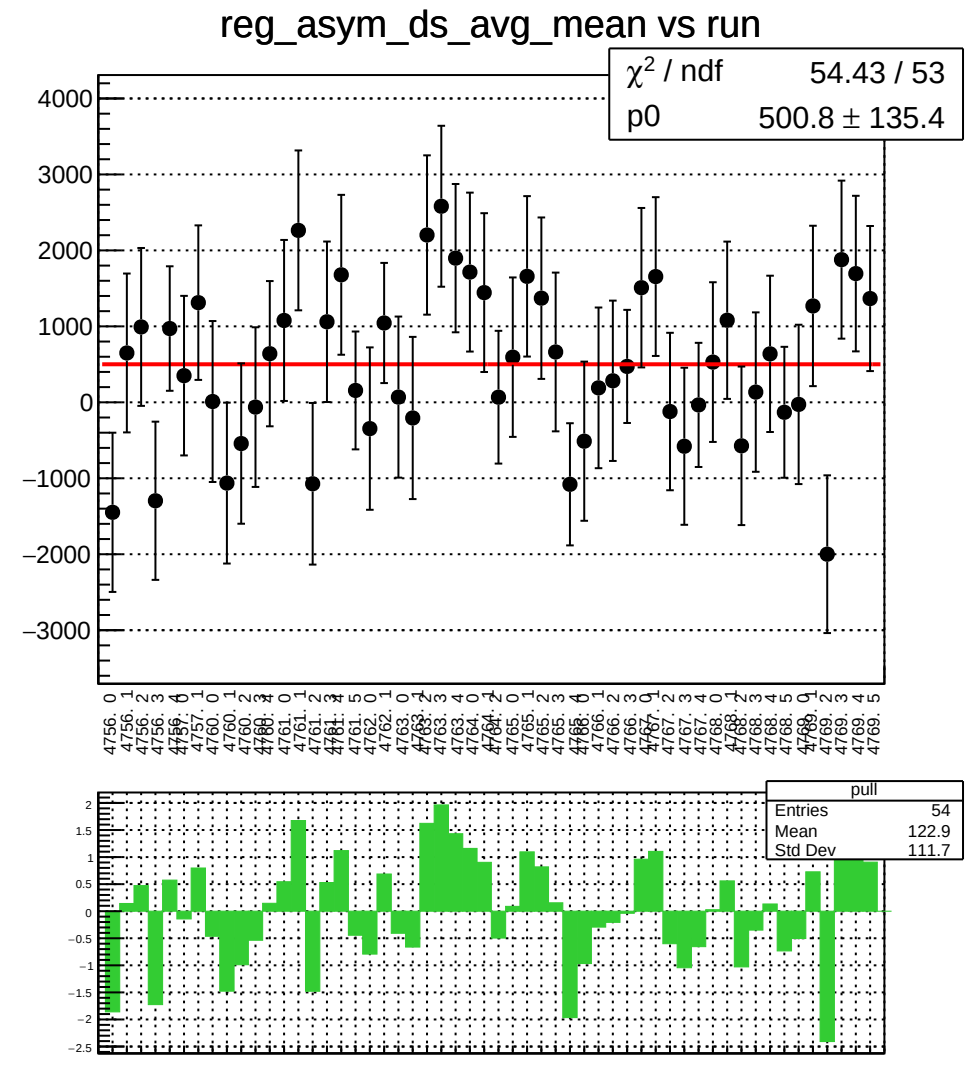
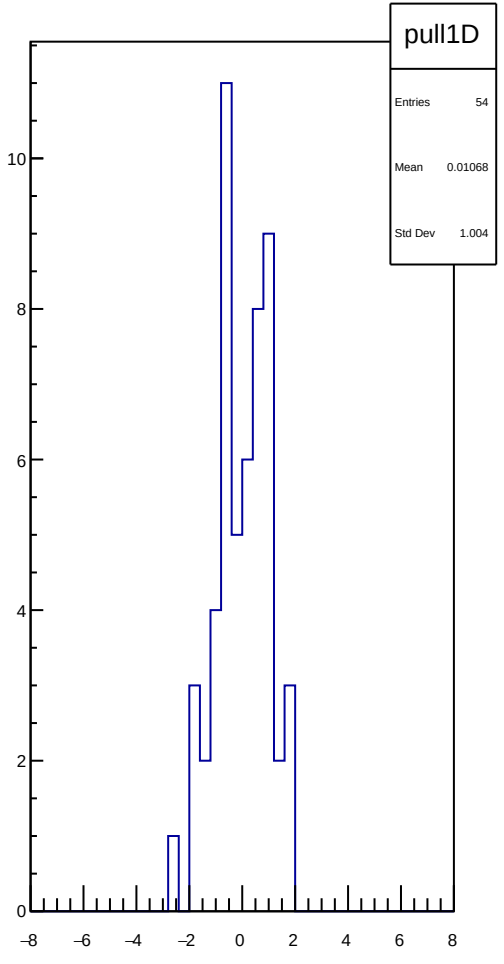
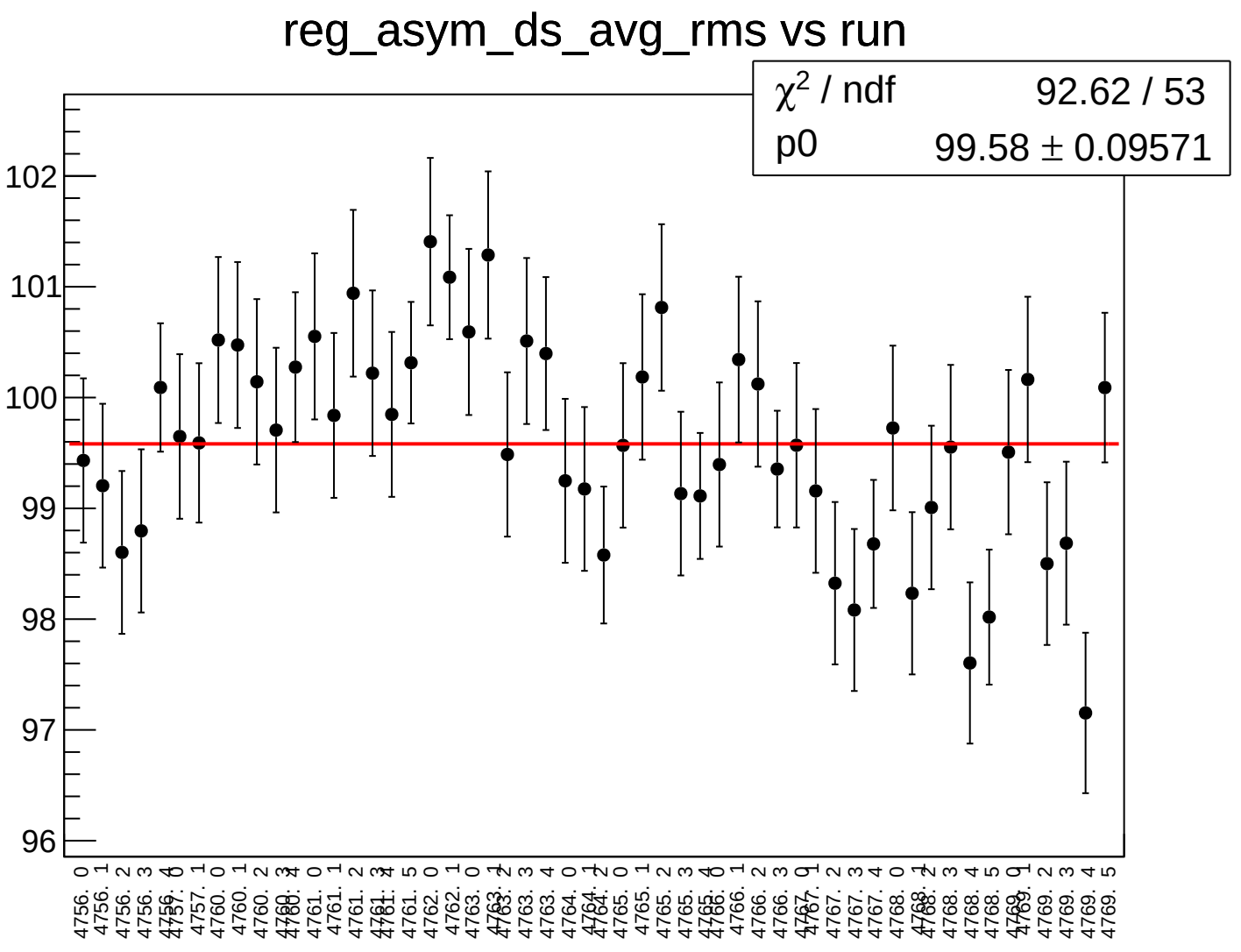
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_ds_avg_mean vs run
χ^2 / ndf 54.43 / 53
p0 500.8 ± 135.4
pull
Entries 54
Mean 122.9
Std Dev 111.7


pull1D
Entries 54
Mean 0.01068
Std Dev 1.004


reg_asym_ds_avg_rms vs run
χ^2 / ndf 92.62 / 53
p0 99.58 ± 0.09571
102
101
100
99
98
97
96
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
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4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
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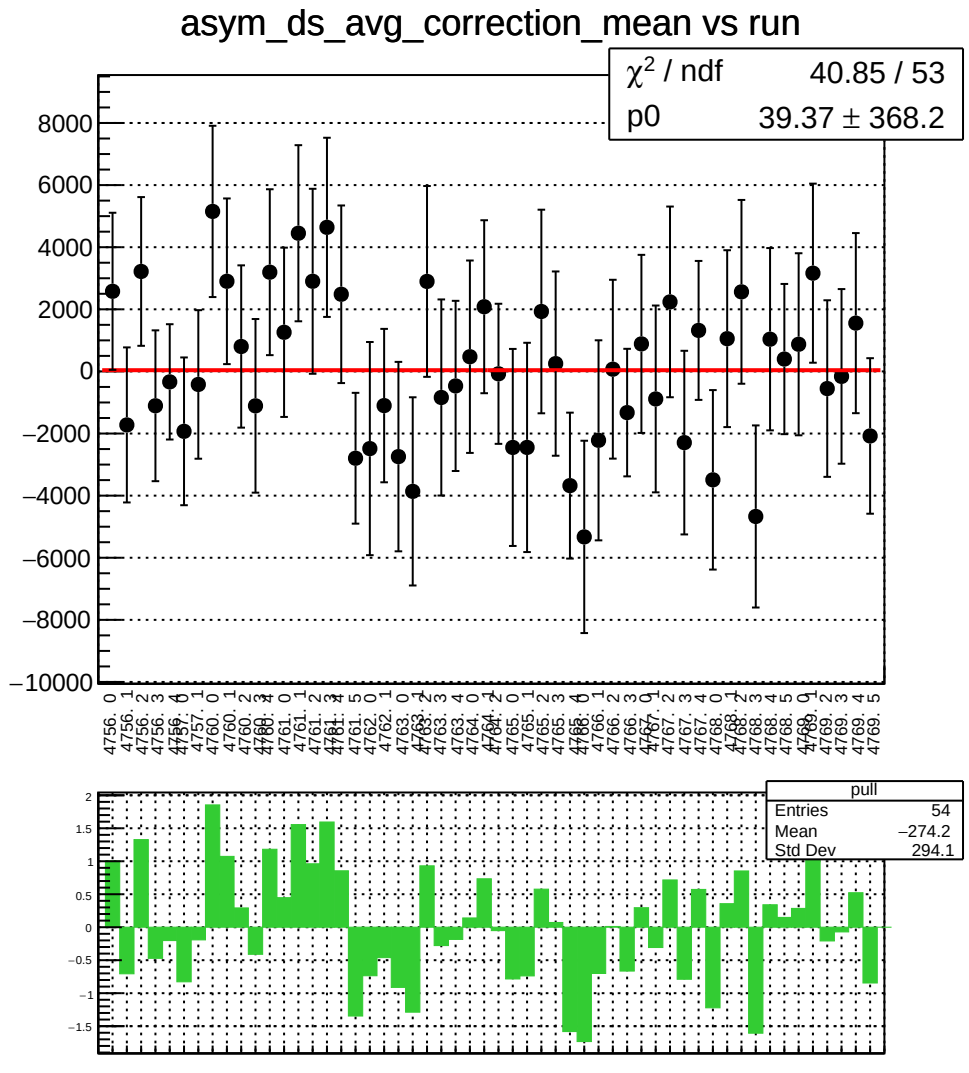
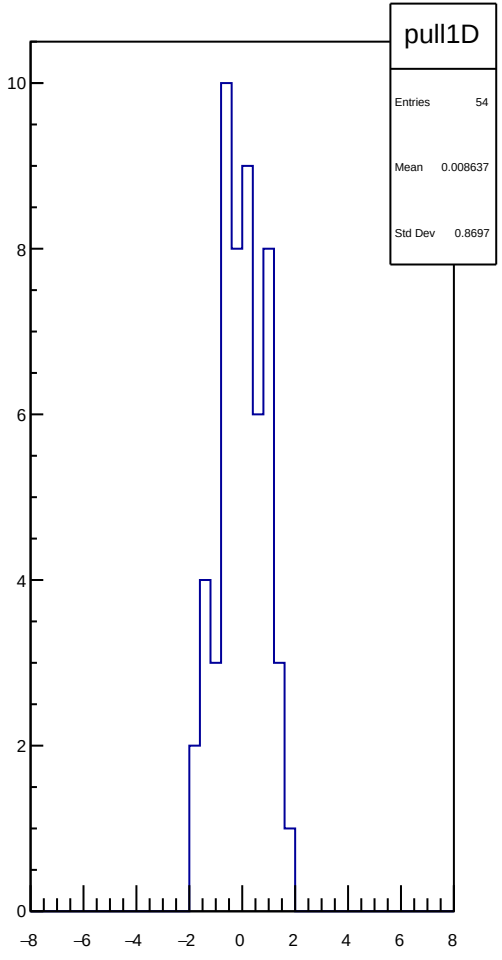
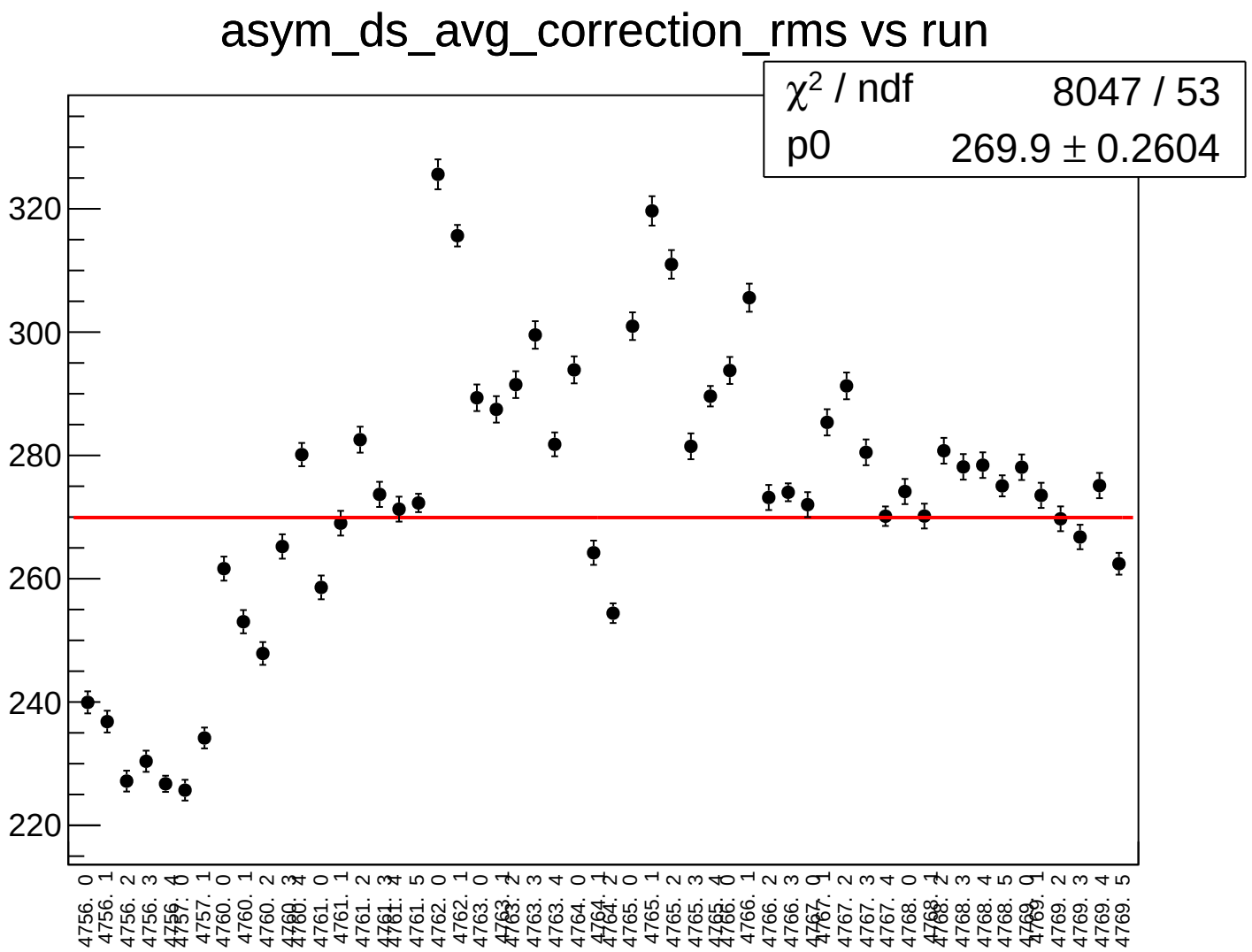
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_ds_avg_correction_mean vs run
χ² / ndf 40.85 / 53
p0 39.37 ± 368.2
pull
Entries 54
Mean −274.2
Std Dev 294.1


pull1D
Entries 54
Mean 0.008637
Std Dev 0.8697


asym_ds_avg_correction_rms vs run
χ² / ndf 8047 / 53
p0 269.9 ± 0.2604
320
300
280
260
240
220
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
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4763. 0
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4763. 2
4763. 3
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4764. 2
4765. 0
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4765. 2
4765. 3
4765. 4
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4766. 2
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4767. 0
4767. 1
4767. 2
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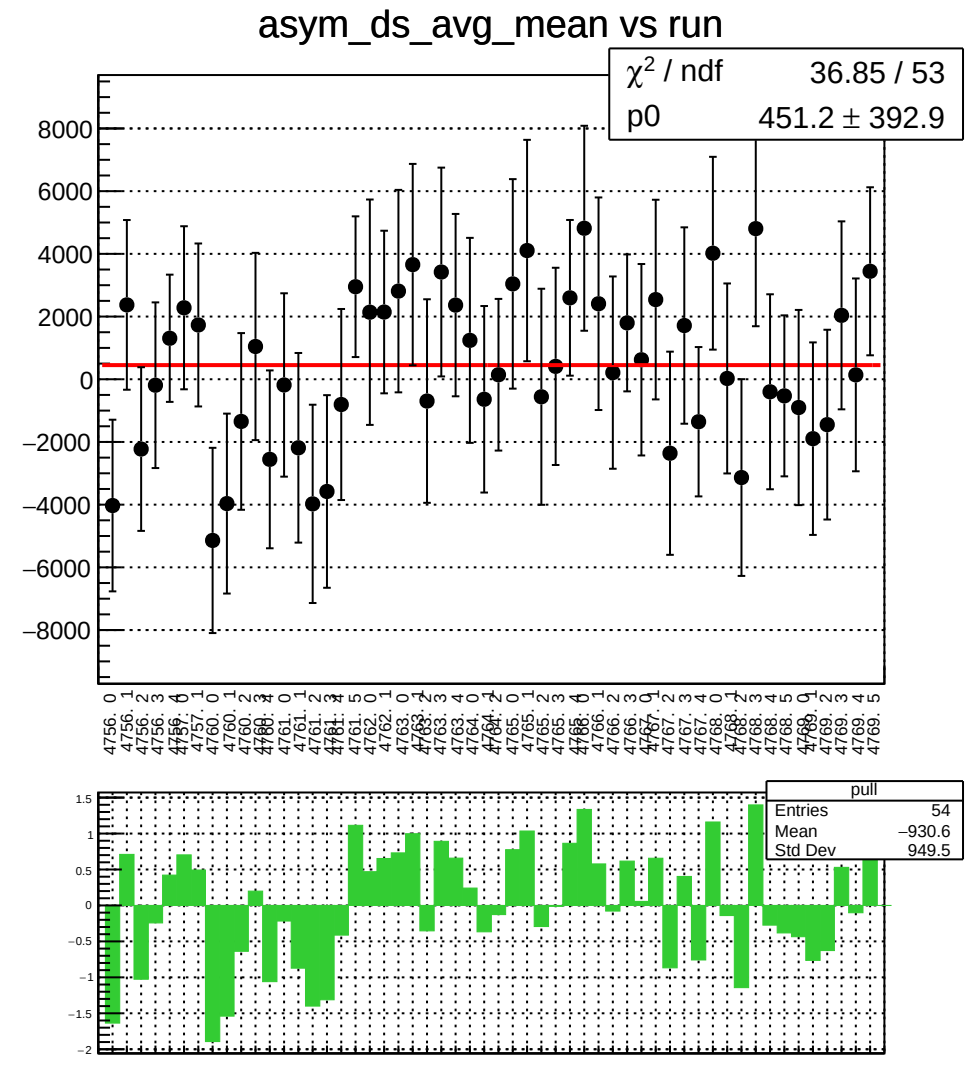
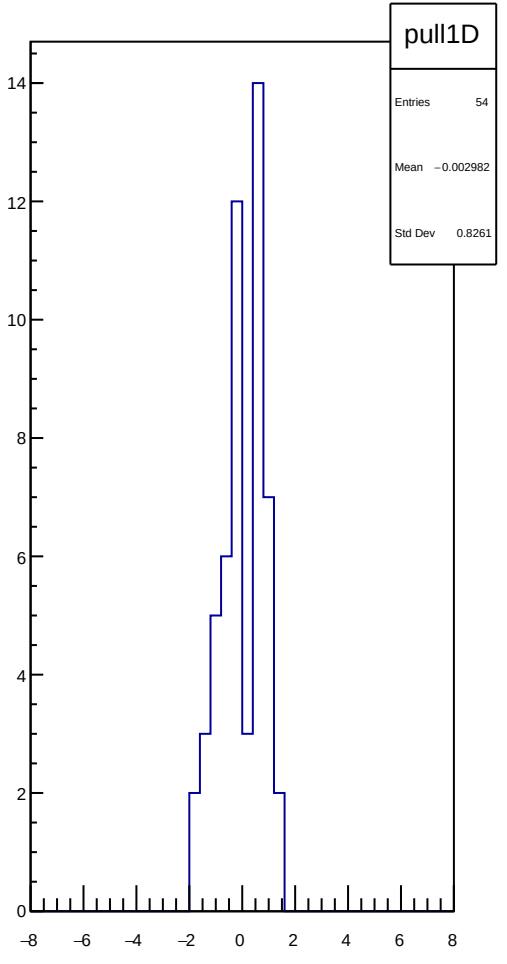
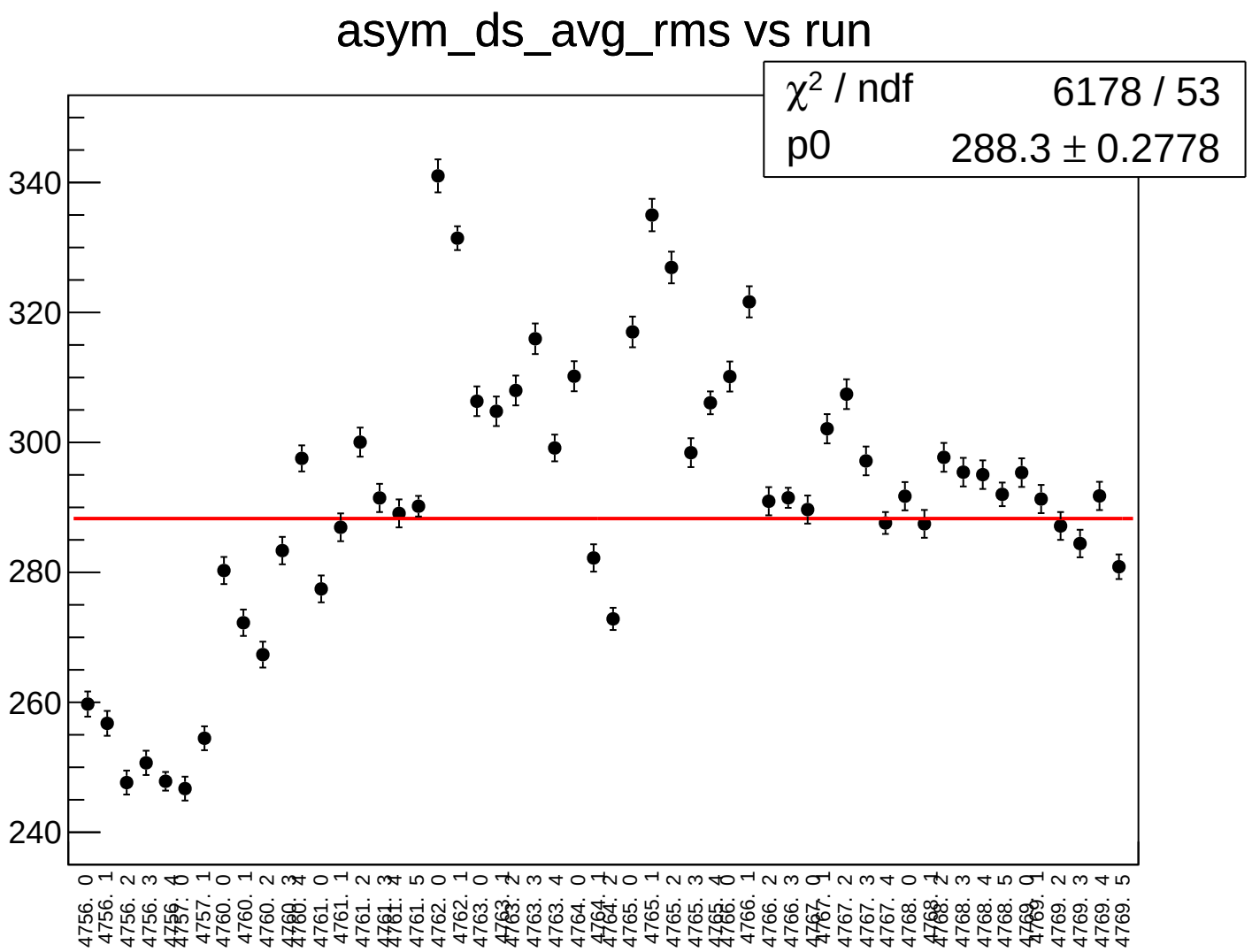
4769. 2
4769. 3
4769. 4
4769. 5


asym_ds_avg_mean vs run
χ² / ndf 36.85 / 53
p0 451.2 ± 392.9
pull
Entries 54
Mean −930.6
Std Dev 949.5


pull1D
Entries 54
Mean −0.002982
Std Dev 0.8261


asym_ds_avg_rms vs run
χ² / ndf 6178 / 53
p0 288.3 ± 0.2778
340
320
300
280
260
240
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
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4761. 4
4761. 5
4762. 0
4762. 1
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4768. 5
4769. 0
4769. 1
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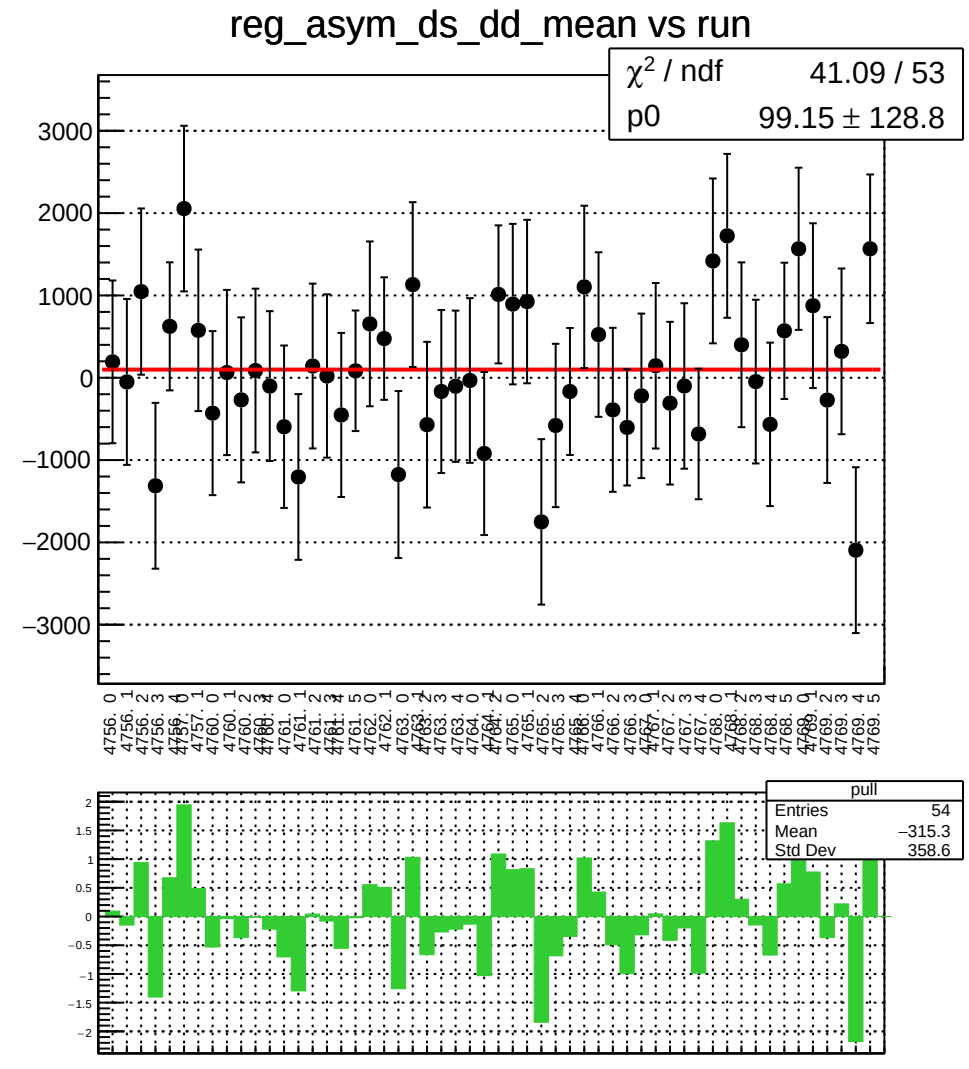
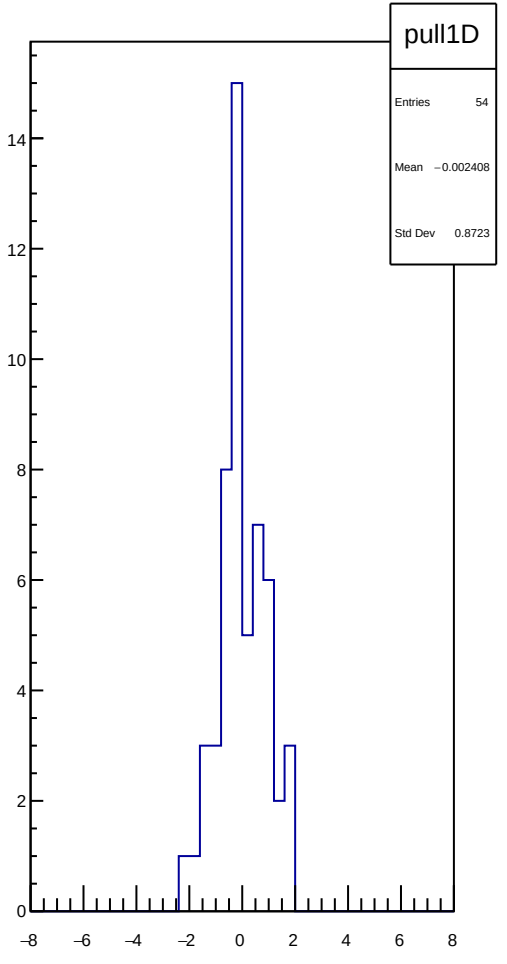
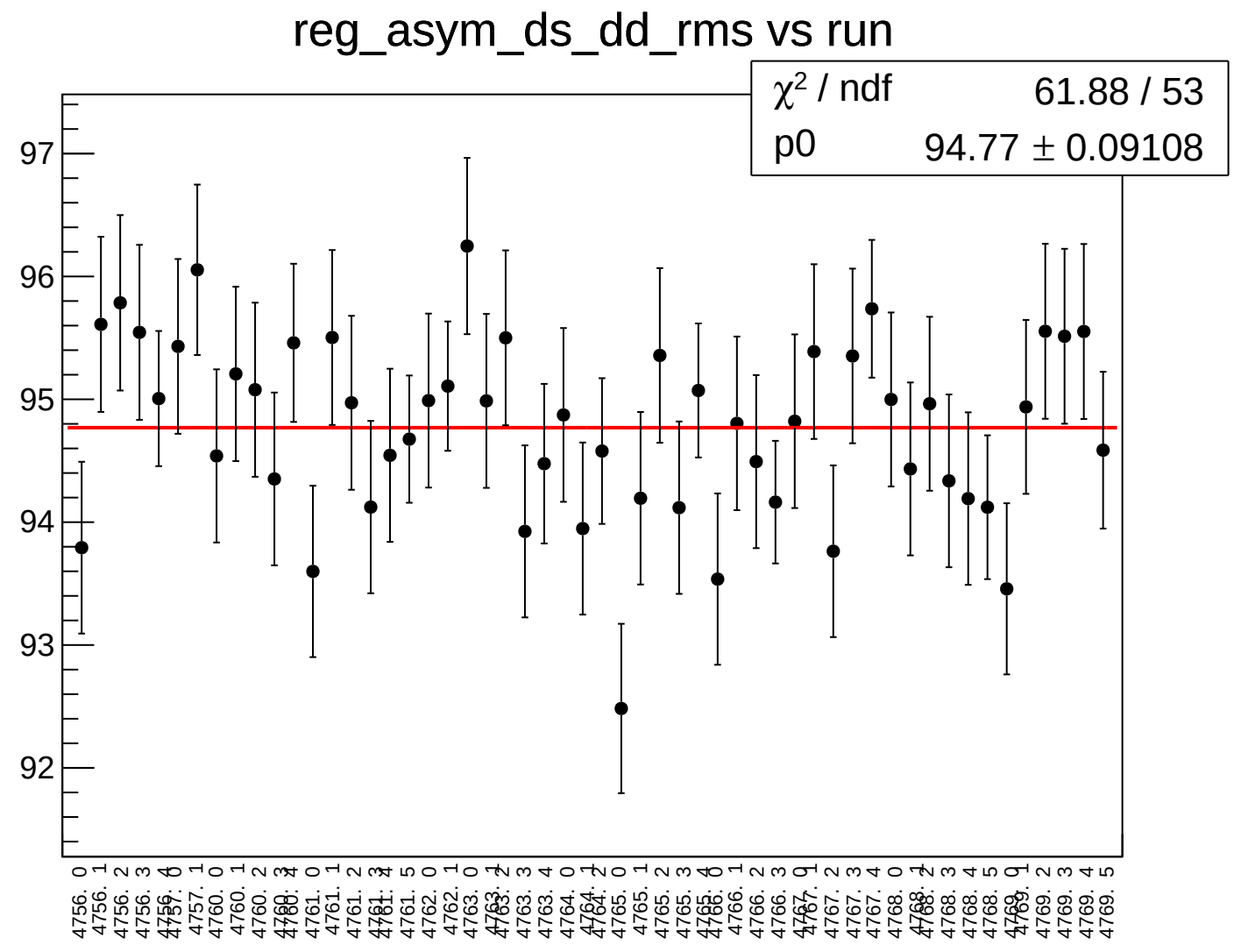
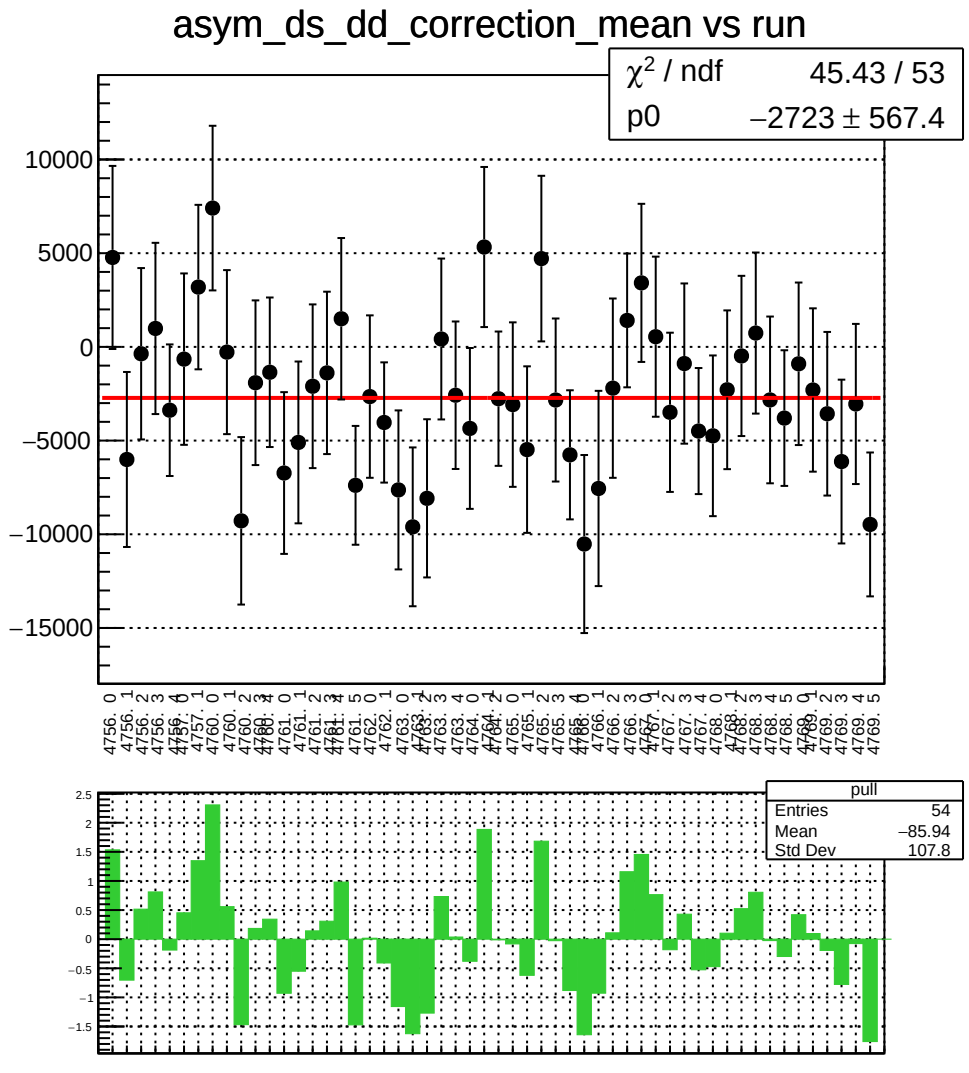
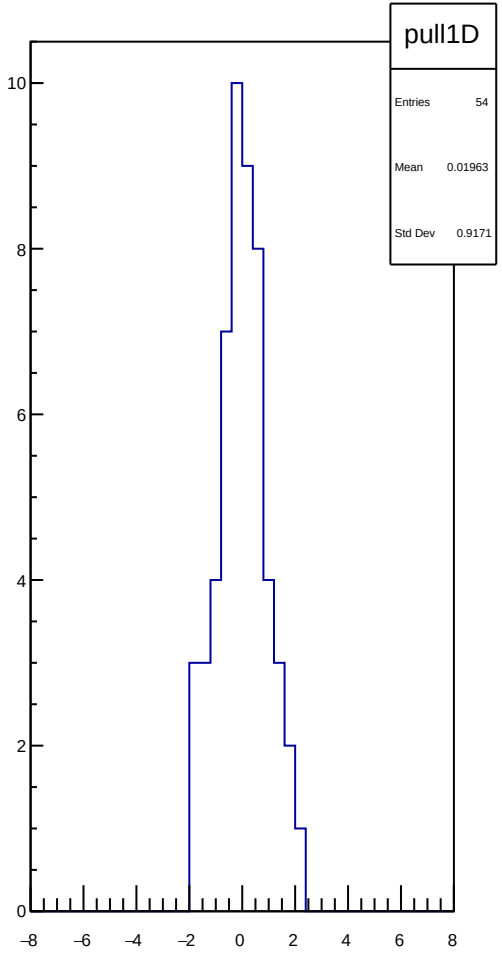
4769. 3
4769. 4
4769. 5

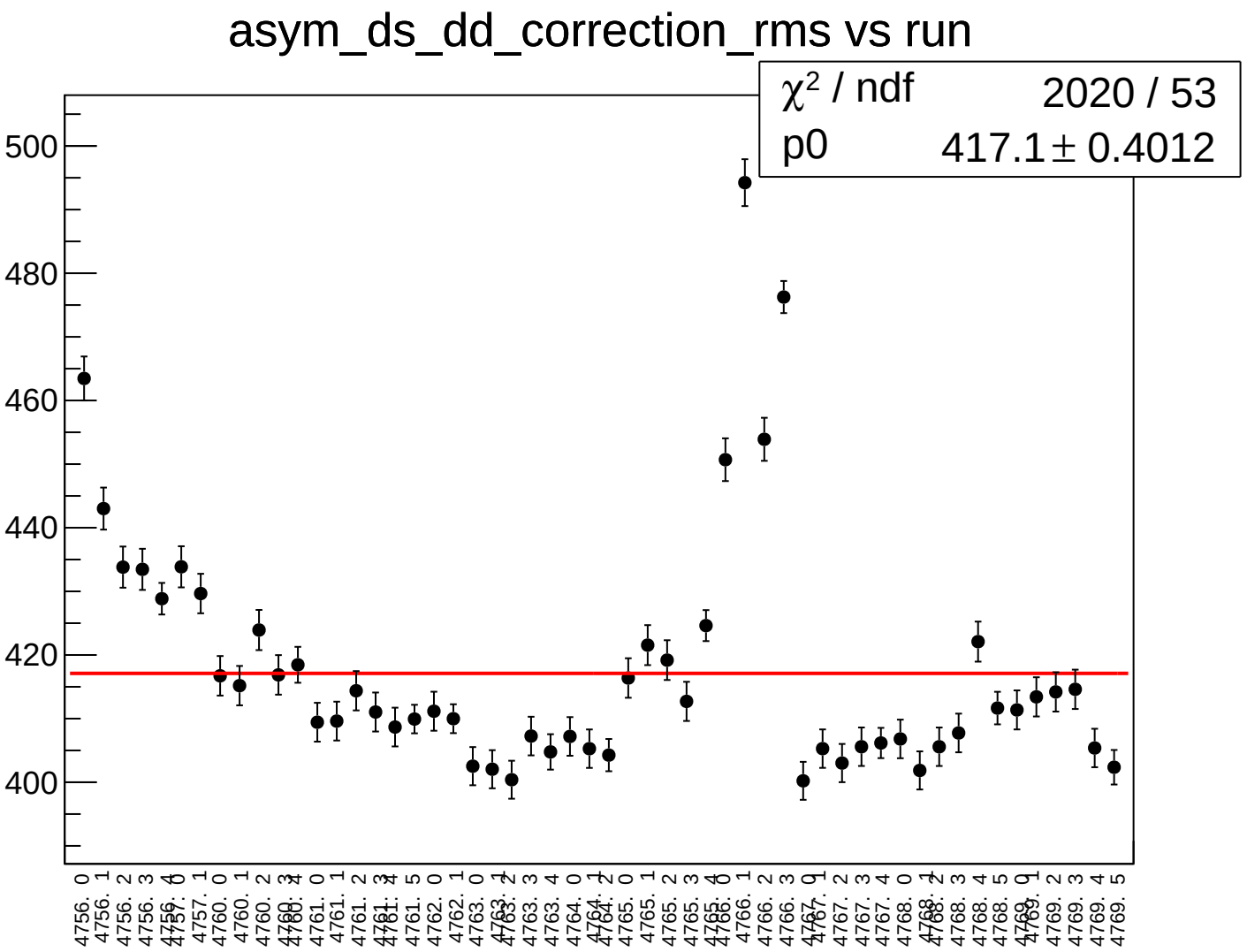

reg_asym_ds_dd_mean vs run
χ² / ndf 41.09 / 53
p0 99.15 ± 128.8
pull
Entries 54
Mean −315.3
Std Dev 358.6

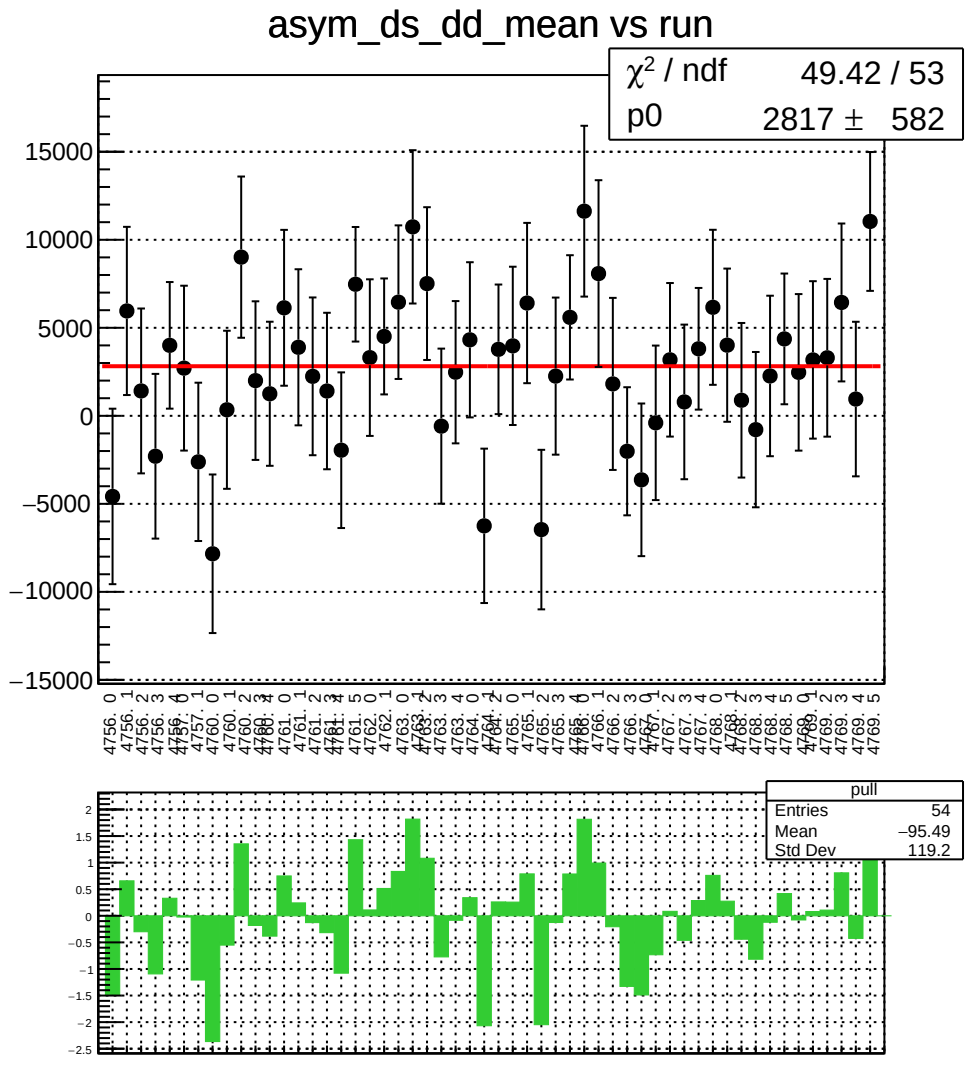

pull1D
Entries 54
Mean −0.002408
Std Dev 0.8723

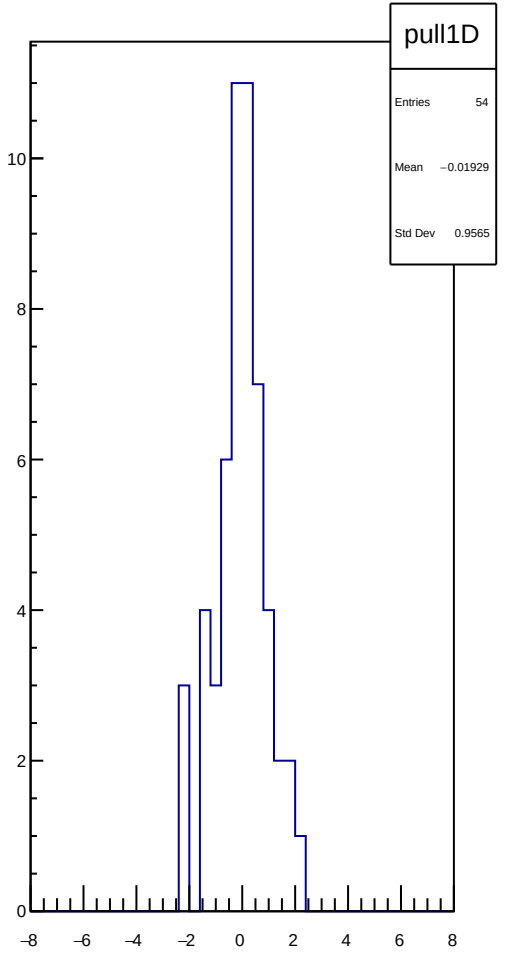

reg_asym_ds_dd_rms vs run
χ² / ndf 61.88 / 53
p0 94.77 ± 0.09108
97
96
95
94
93
92
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

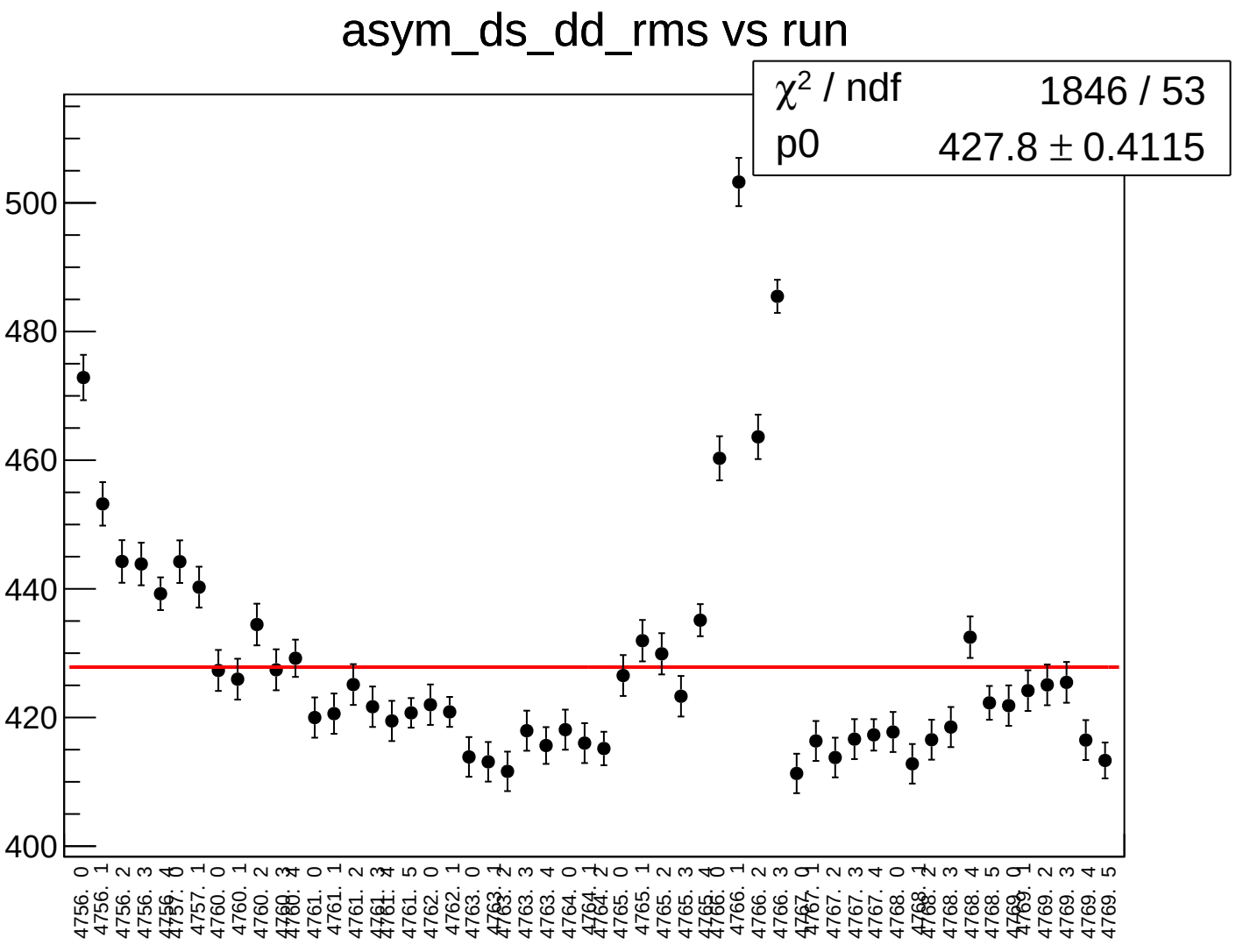

asym_ds_dd_correction_mean vs run
χ² / ndf 45.43 / 53
p0 −2723 ± 567.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −85.94
Std Dev 107.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

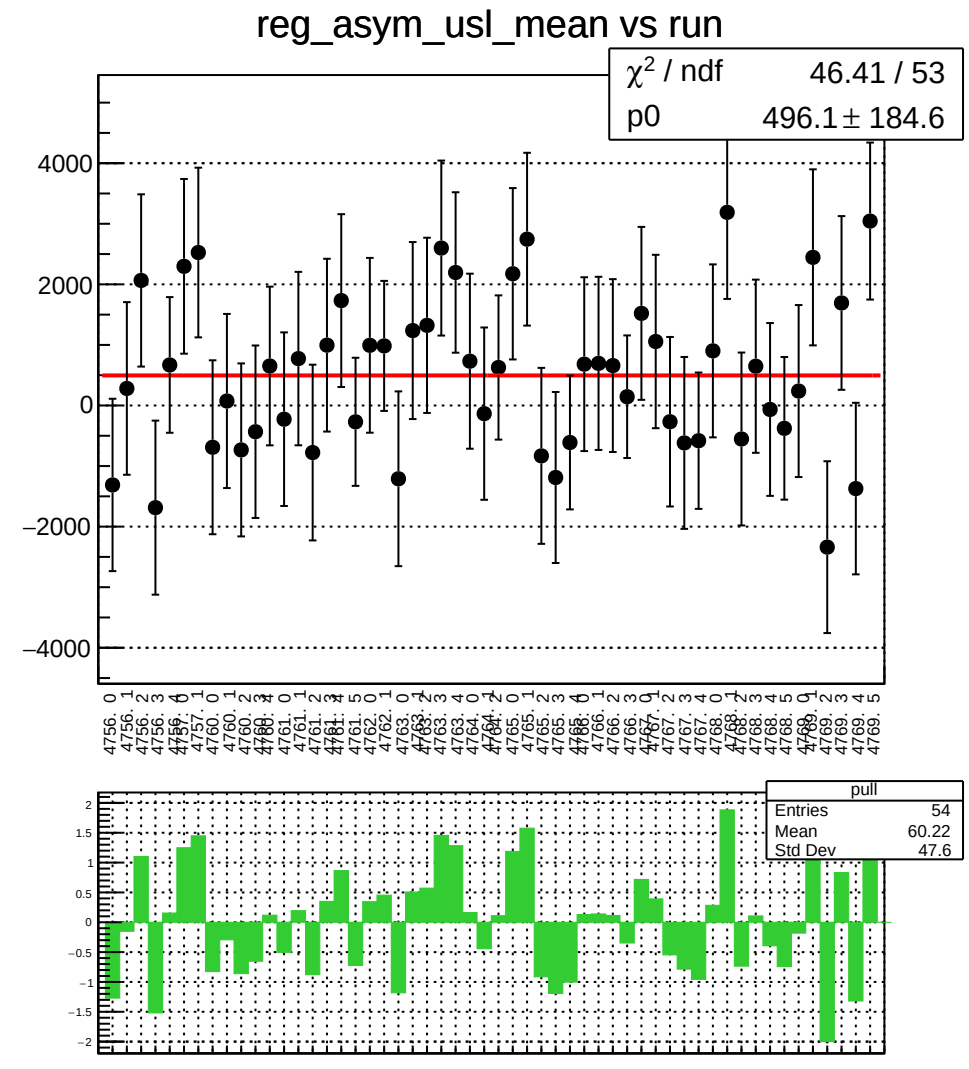

pull1D
Entries 54
Mean 0.01963
Std Dev 0.9171
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

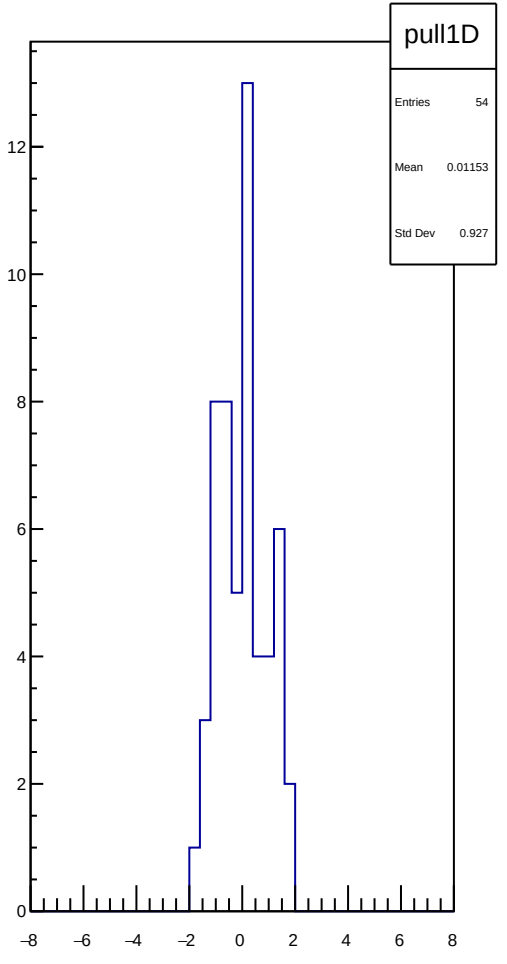

asym_ds_dd_correction_rms vs run
χ² / ndf 2020 / 53
p0 417.1 ± 0.4012
500
480
460
440
420
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

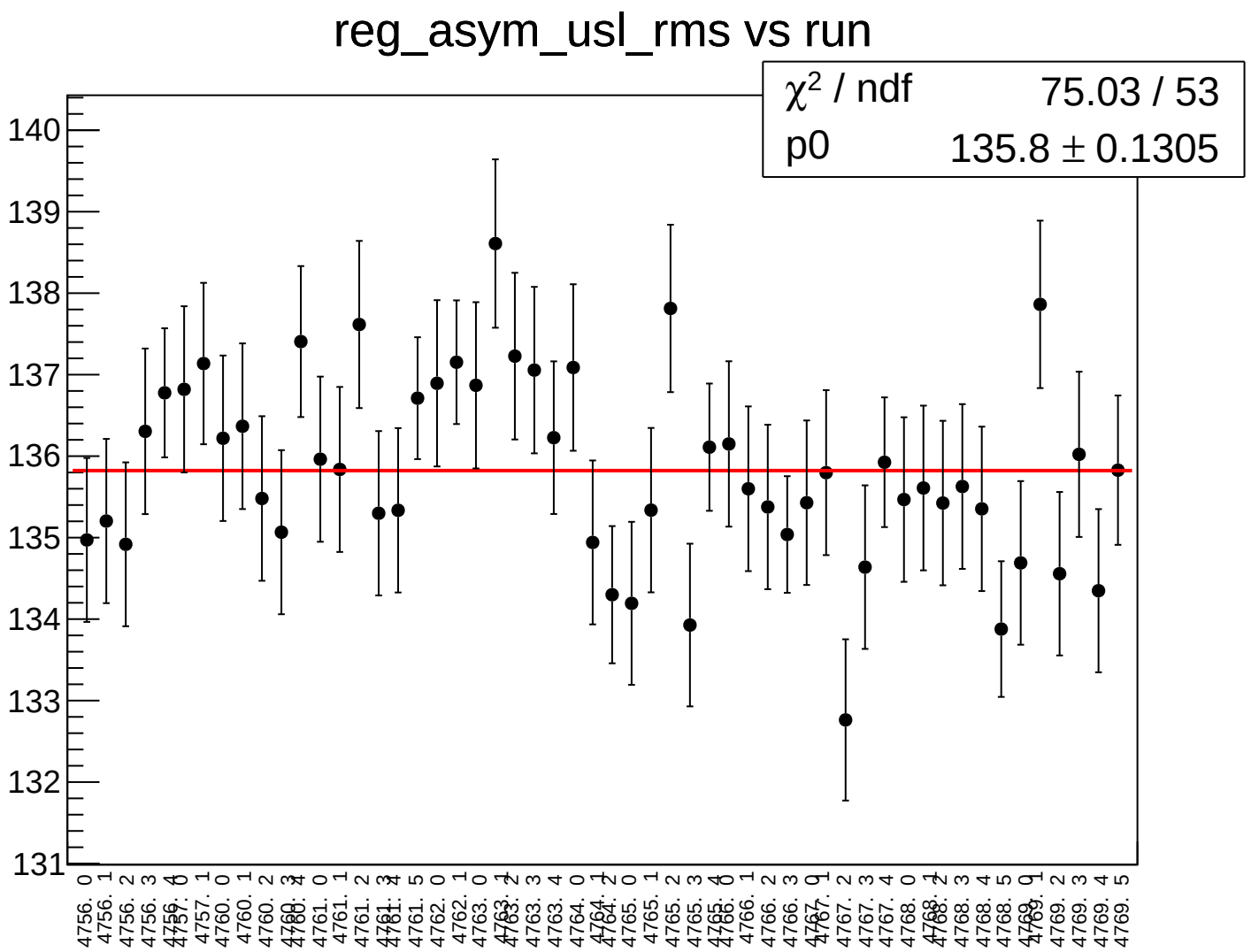

asym_ds_dd_mean vs run
χ² / ndf 49.42 / 53
p0 2817 ± 582
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −95.49
Std Dev 119.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

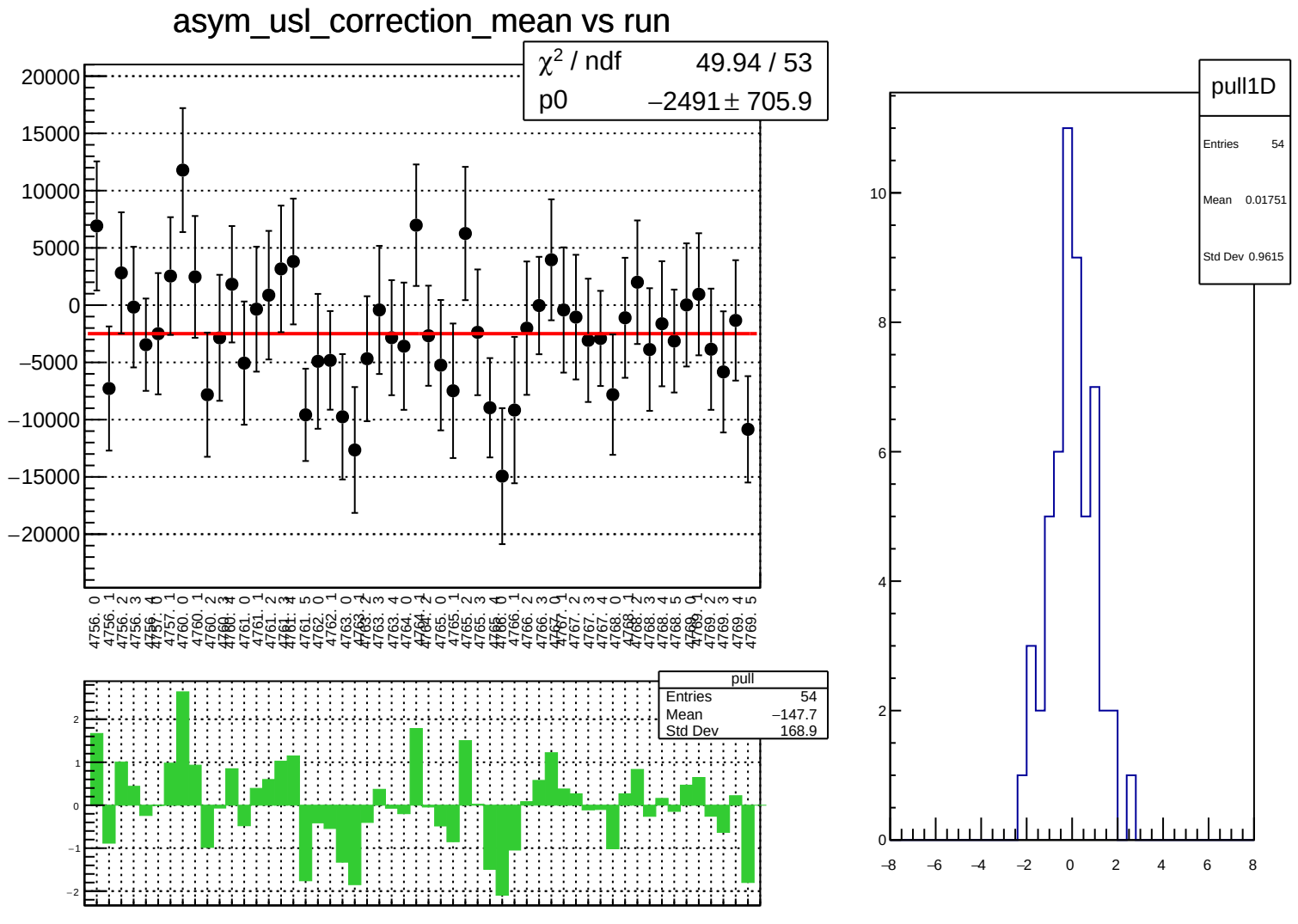

pull1D
Entries 54
Mean −0.01929
Std Dev 0.9565
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

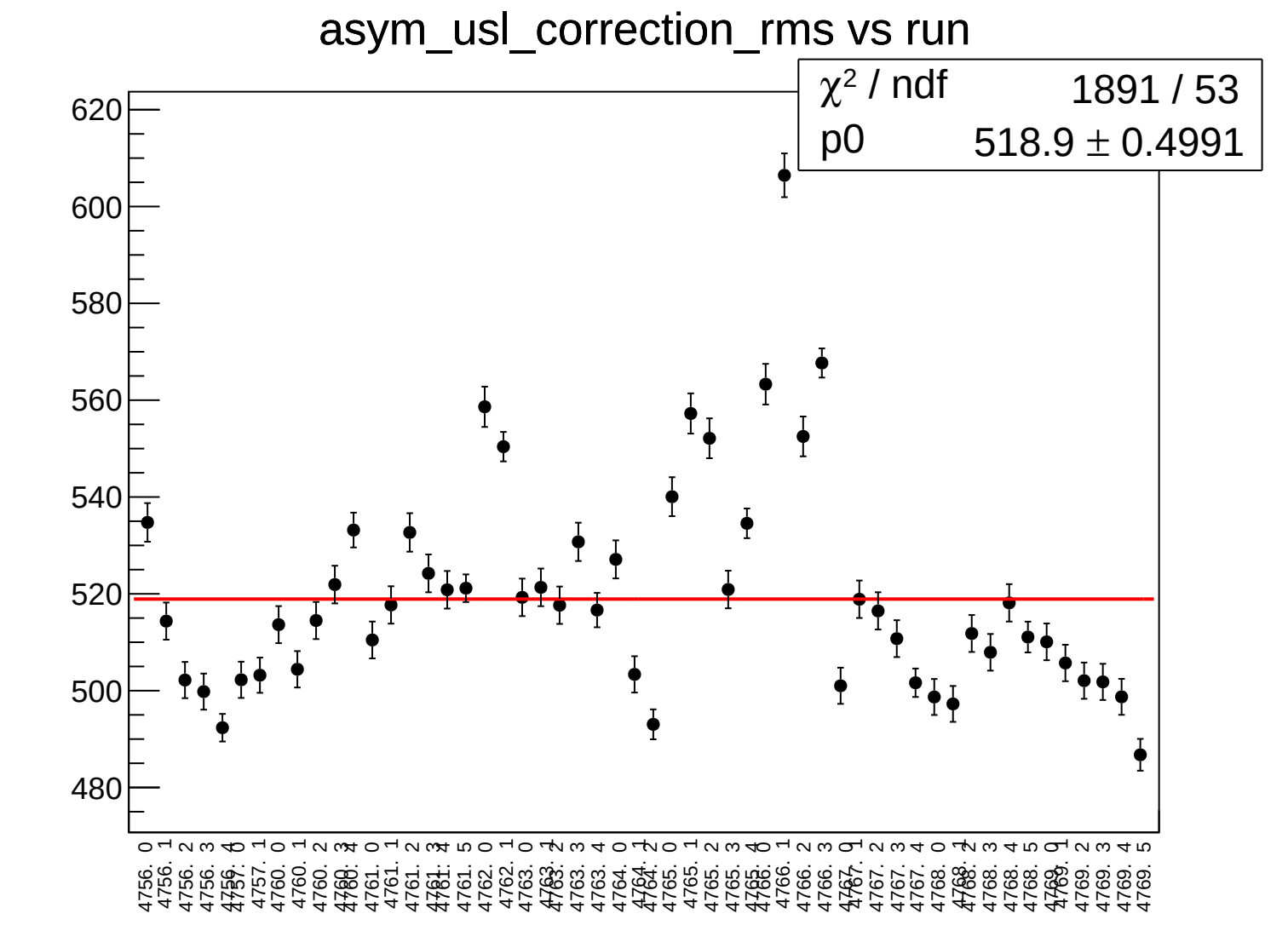

asym_ds_dd_rms vs run
χ² / ndf 1846 / 53
p0 427.8 ± 0.4115
500
480
460
440
420
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

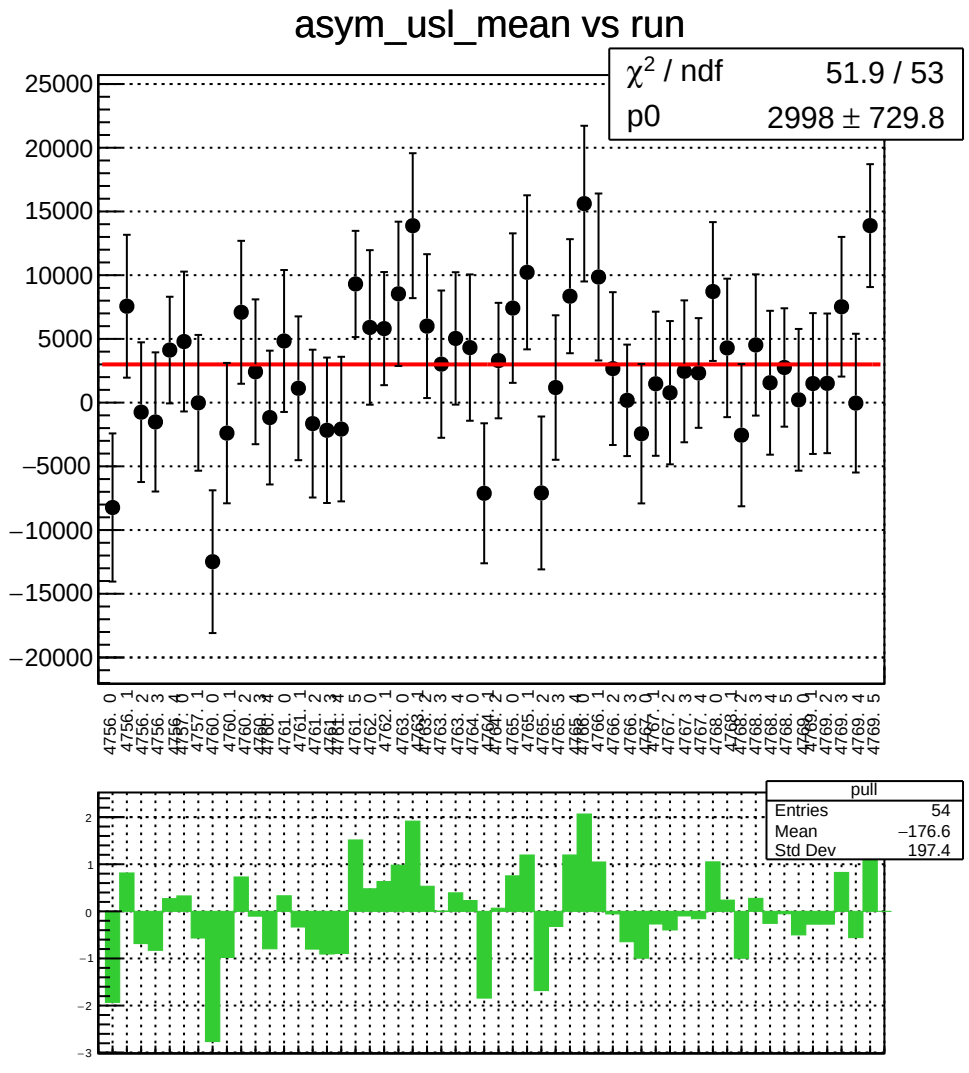

reg_asym_usl_mean vs run
χ² / ndf 46.41 / 53
p0 496.1 ± 184.6
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 60.22
Std Dev 47.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

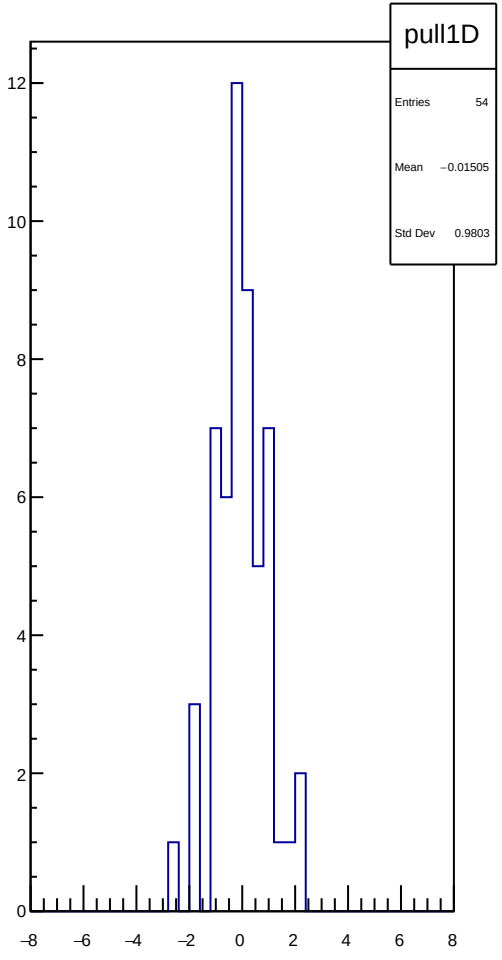

pull1D
Entries 54
Mean 0.01153
Std Dev 0.927
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

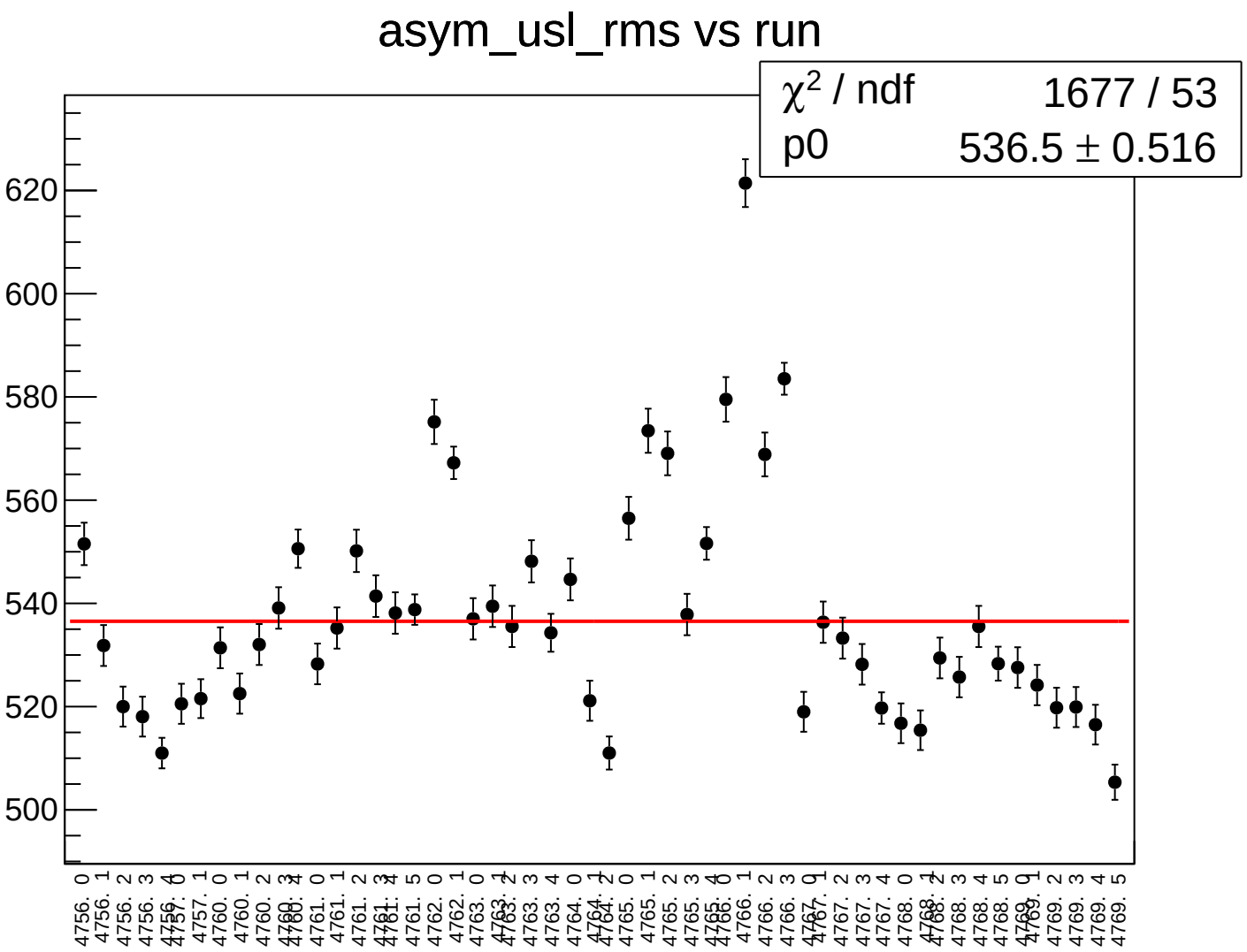

reg_asym_usl_rms vs run
χ² / ndf 75.03 / 53
p0 135.8 ± 0.1305
140
139
138
137
136
135
134
133
132
131
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

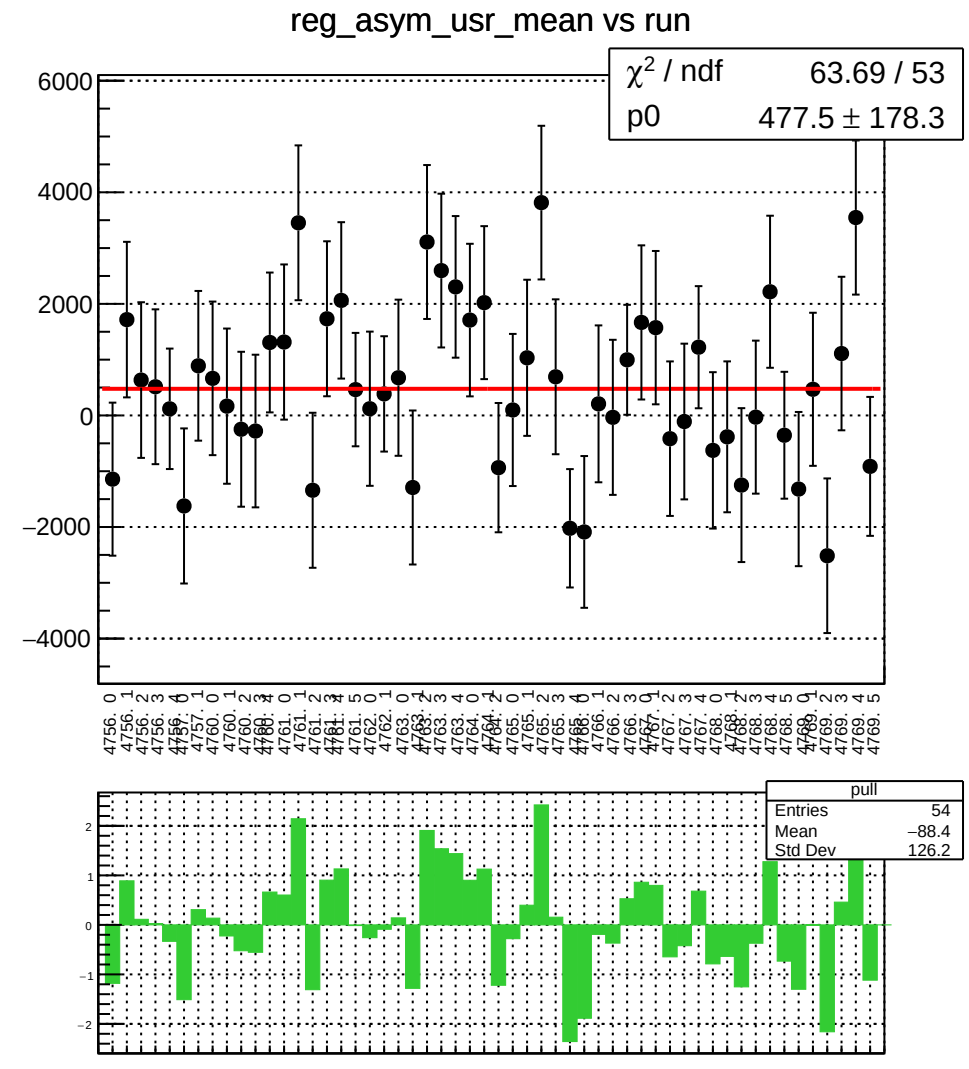

asym_usl_correction_mean vs run
χ² / ndf 49.94 / 53
p0 −2491 ± 705.9
pull
Entries 54
Mean −147.7
Std Dev 168.9
pull1D
Entries 54
Mean 0.01751
Std Dev 0.9615

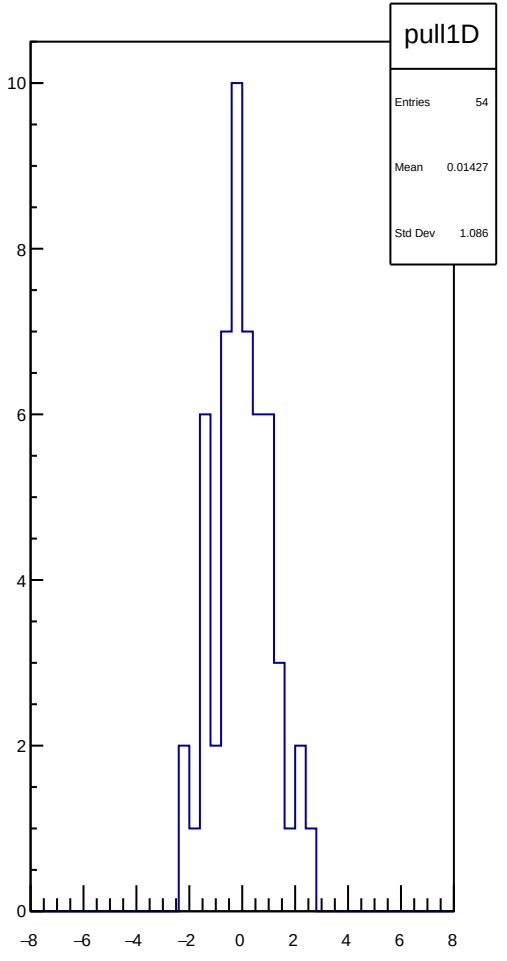

asym_usl_correction_rms vs run
χ² / ndf 1891 / 53
p0 518.9 ± 0.4991
620
600
580
560
540
520
500
480
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

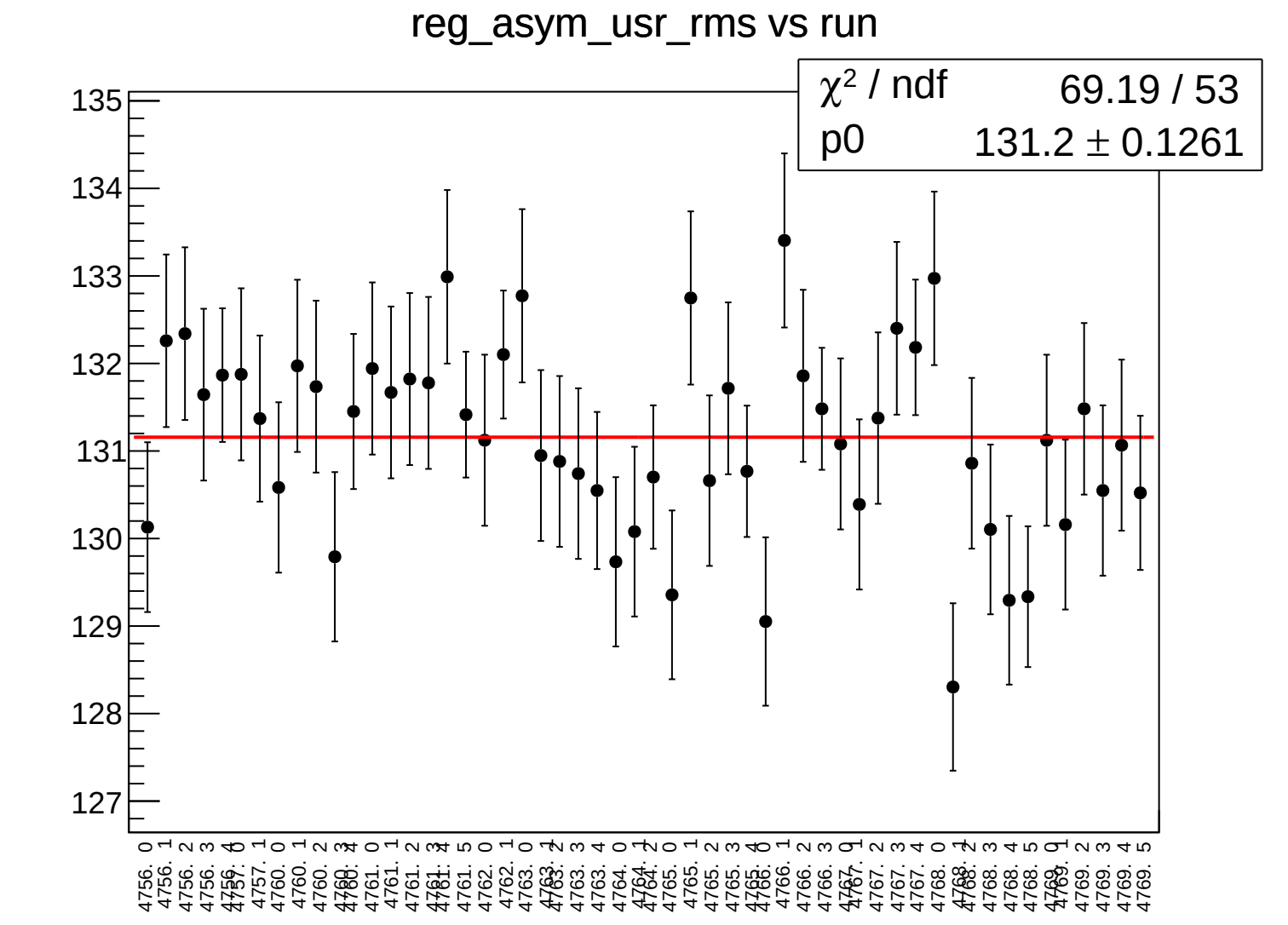

asym_usl_mean vs run
χ² / ndf 51.9 / 53
p0 2998 ± 729.8
pull
Entries 54
Mean −176.6
Std Dev 197.4

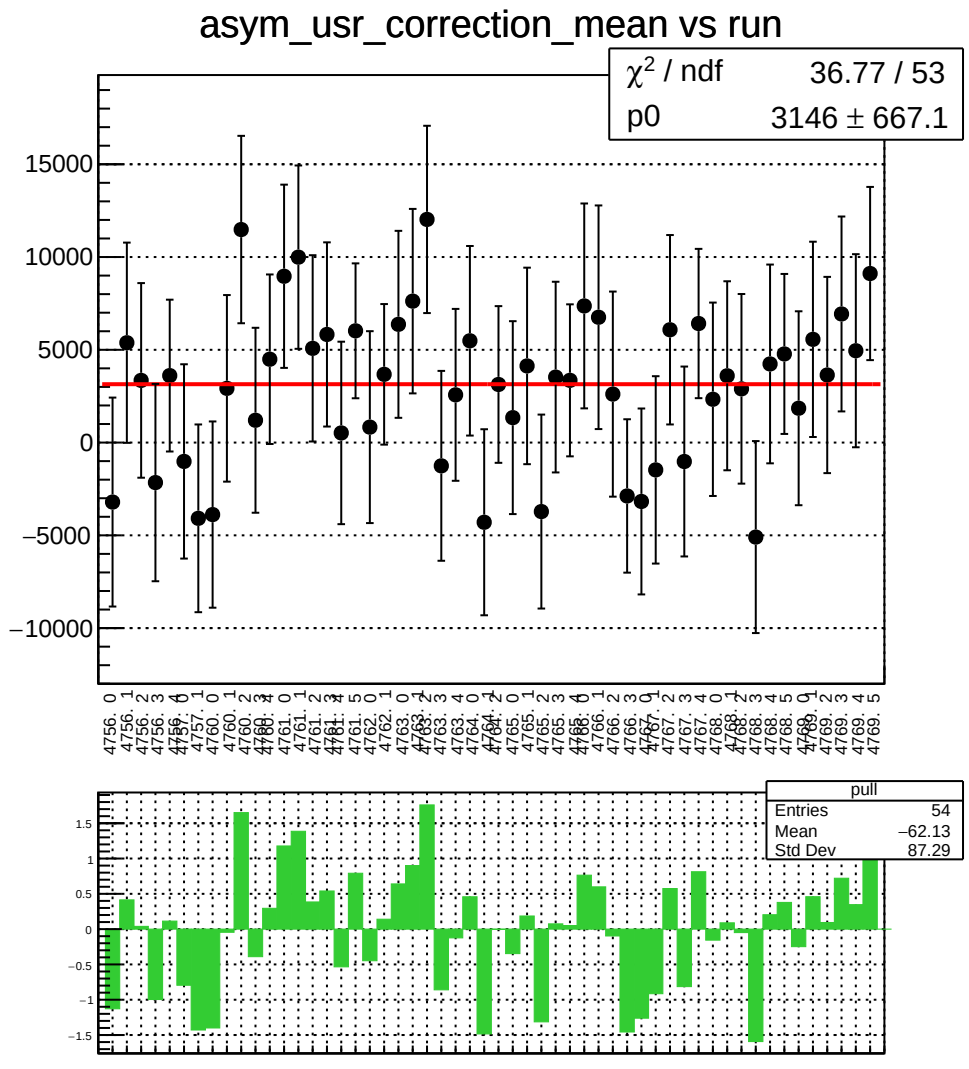

pull1D
Entries 54
Mean −0.01505
Std Dev 0.9803

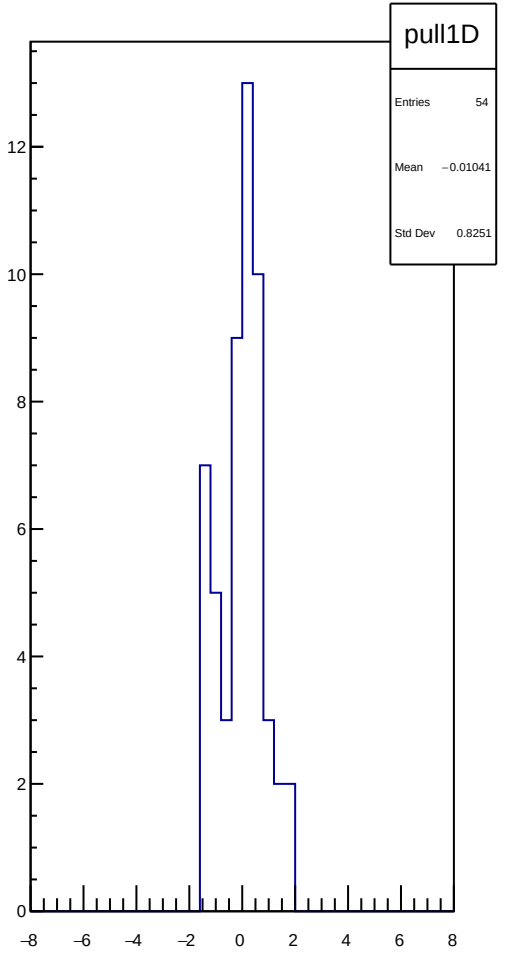

asym_usl_rms vs run
χ² / ndf 1677 / 53
p0 536.5 ± 0.516
620
600
580
560
540
520
500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

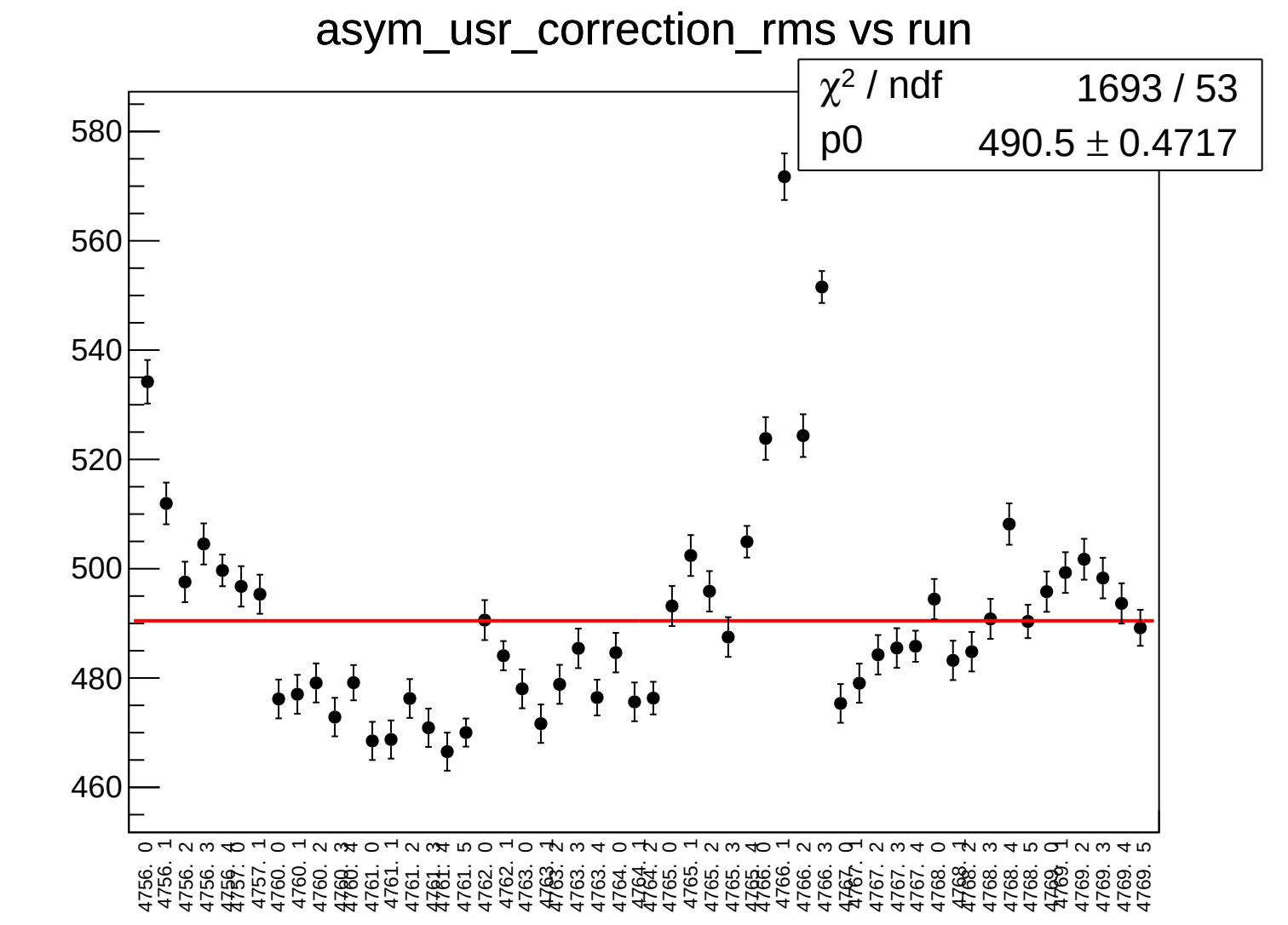

reg_asym_usr_mean vs run
χ² / ndf 63.69 / 53
p0 477.5 ± 178.3
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −88.4
Std Dev 126.2
2
1
0
−1
−2

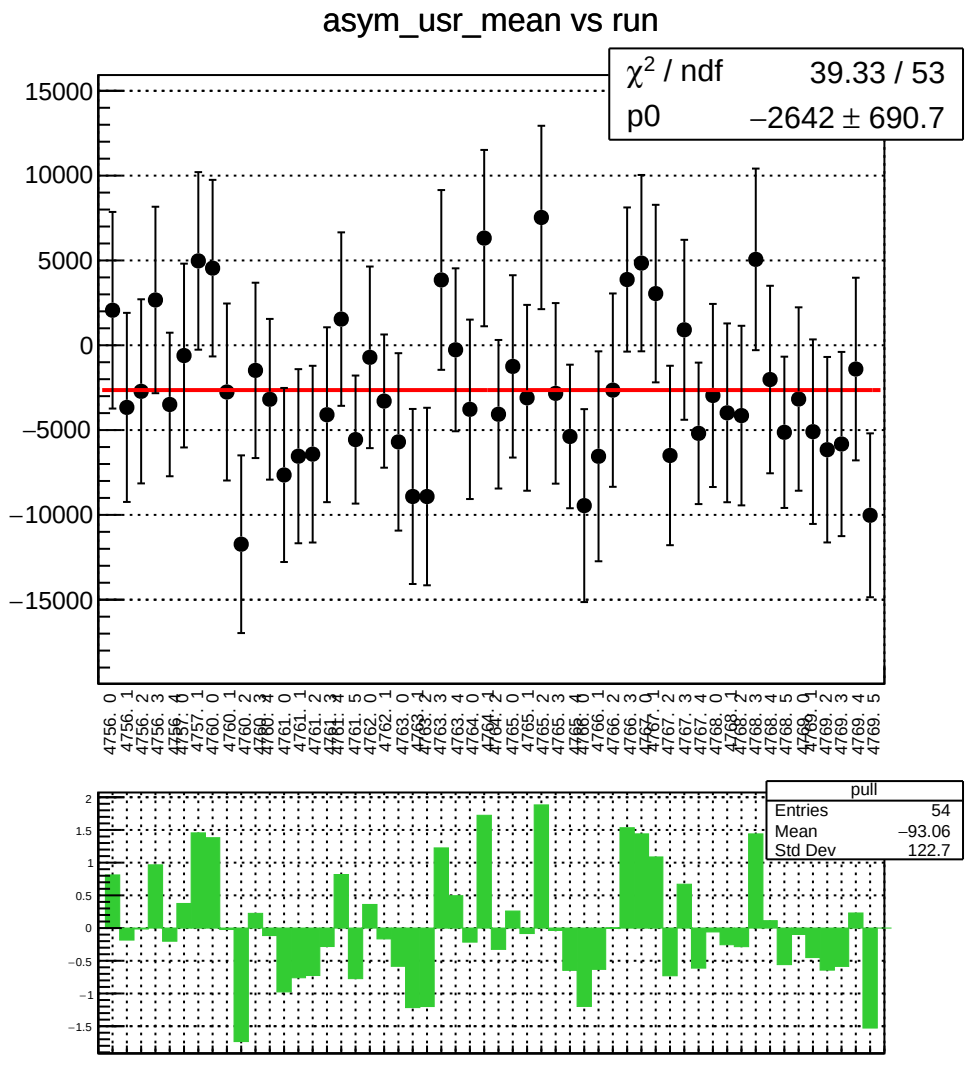

pull1D
Entries 54
Mean 0.01427
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

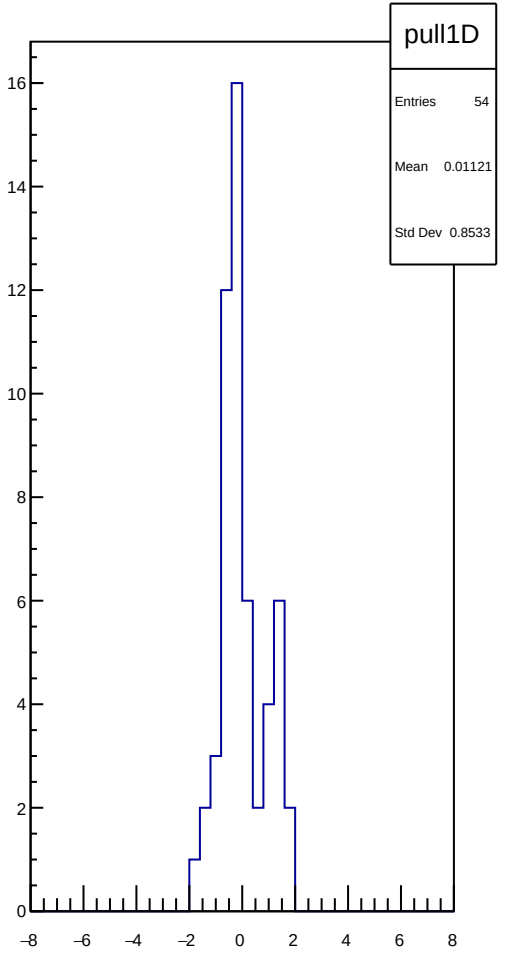

reg_asym_usr_rms vs run
χ² / ndf 69.19 / 53
p0 131.2 ± 0.1261
135
134
133
132
131
130
129
128
127
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

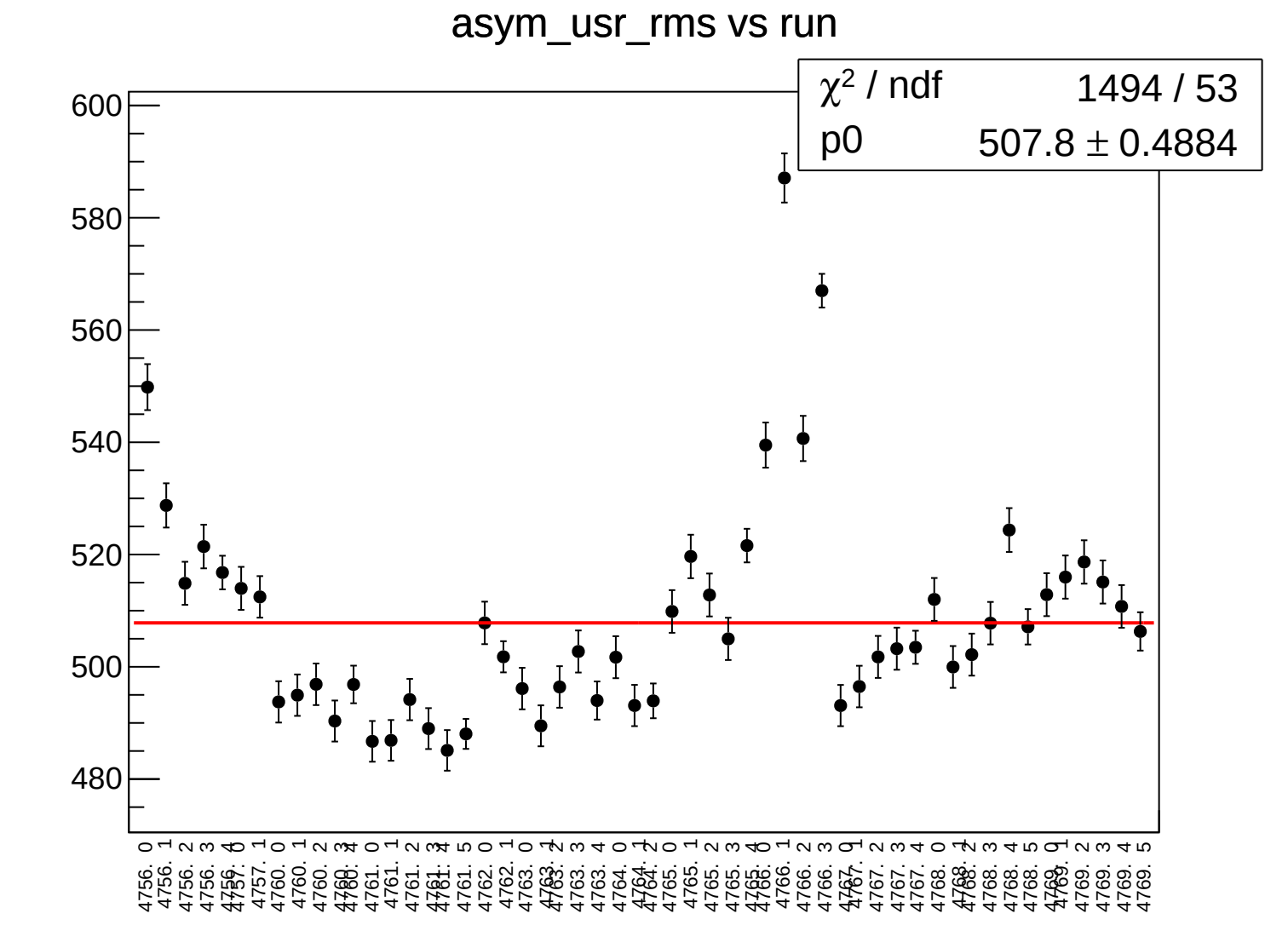

asym_usr_correction_mean vs run
χ² / ndf 36.77 / 53
p0 3146 ± 667.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −62.13
Std Dev 87.29
1.5
1
0.5
0
−0.5
−1
−1.5

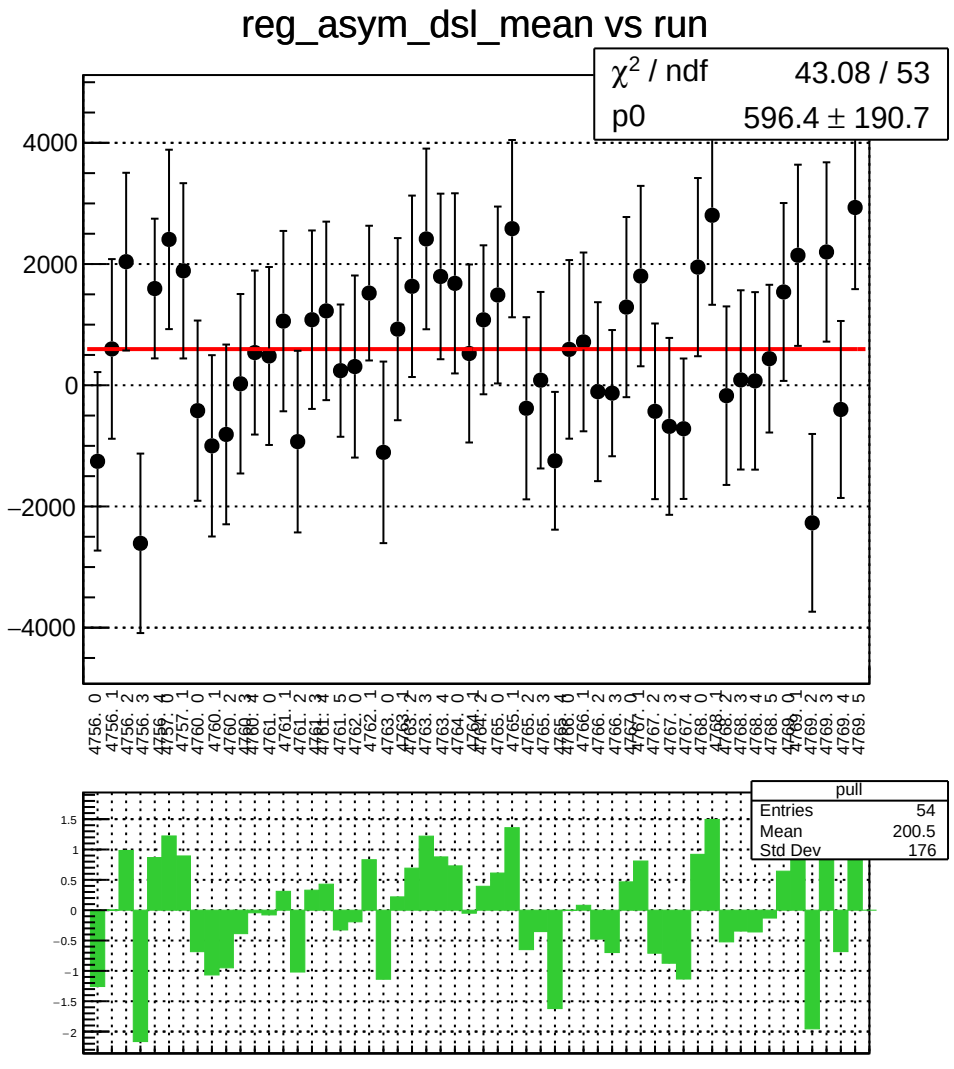

pull1D
Entries 54
Mean −0.01041
Std Dev 0.8251
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

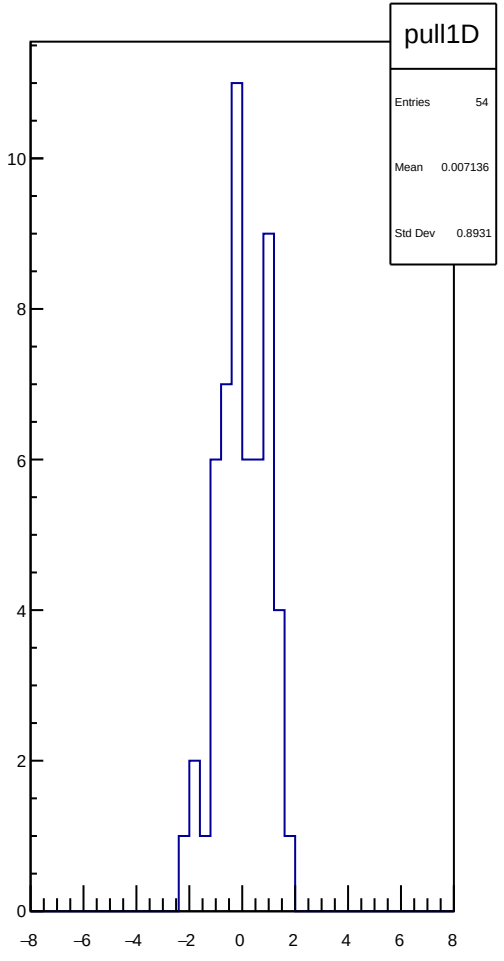

asym_usr_correction_rms vs run
χ² / ndf 1693 / 53
p0 490.5 ± 0.4717
580
560
540
520
500
480
460
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

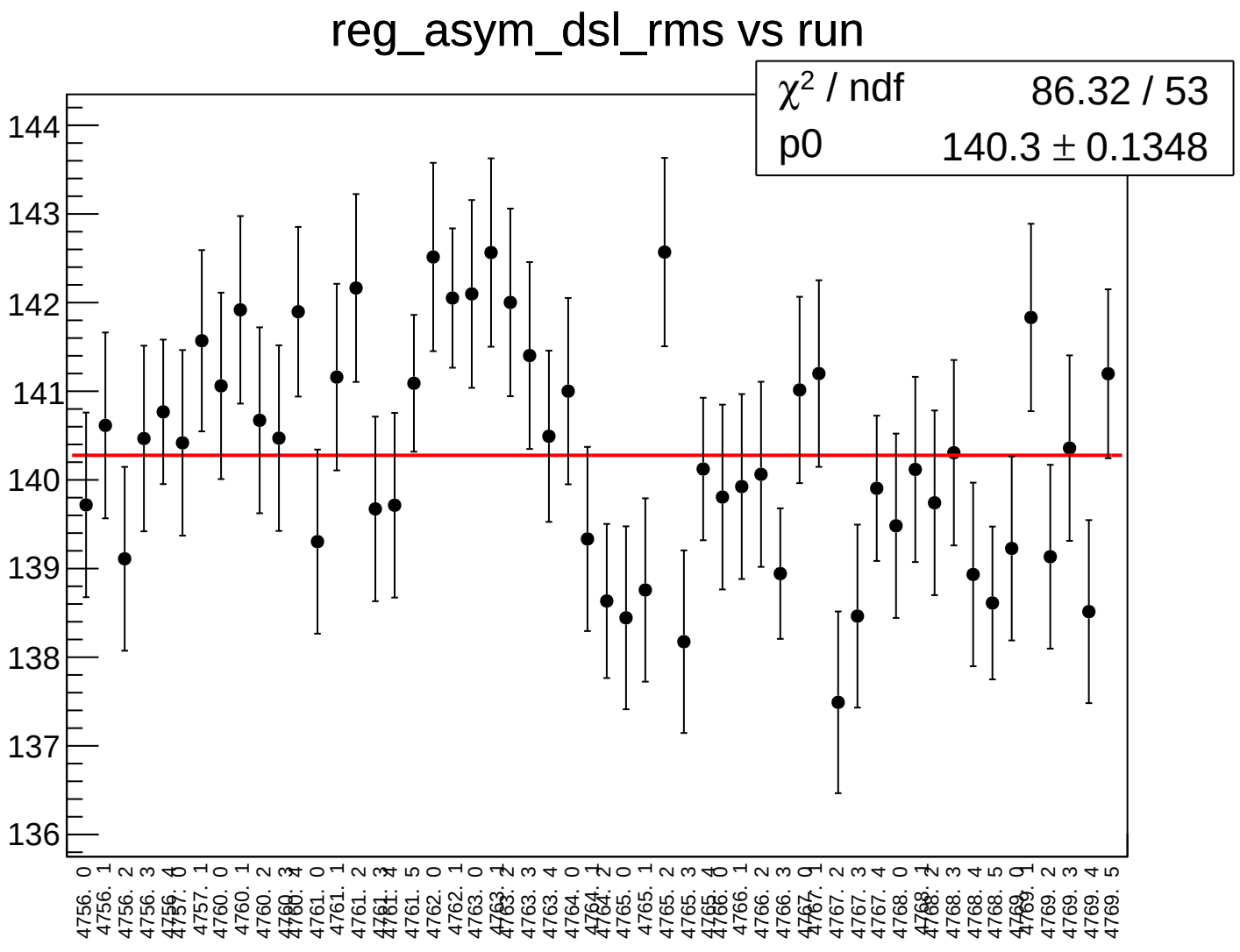

asym_usr_mean vs run
χ² / ndf 39.33 / 53
p0 −2642 ± 690.7
pull
Entries 54
Mean −93.06
Std Dev 122.7

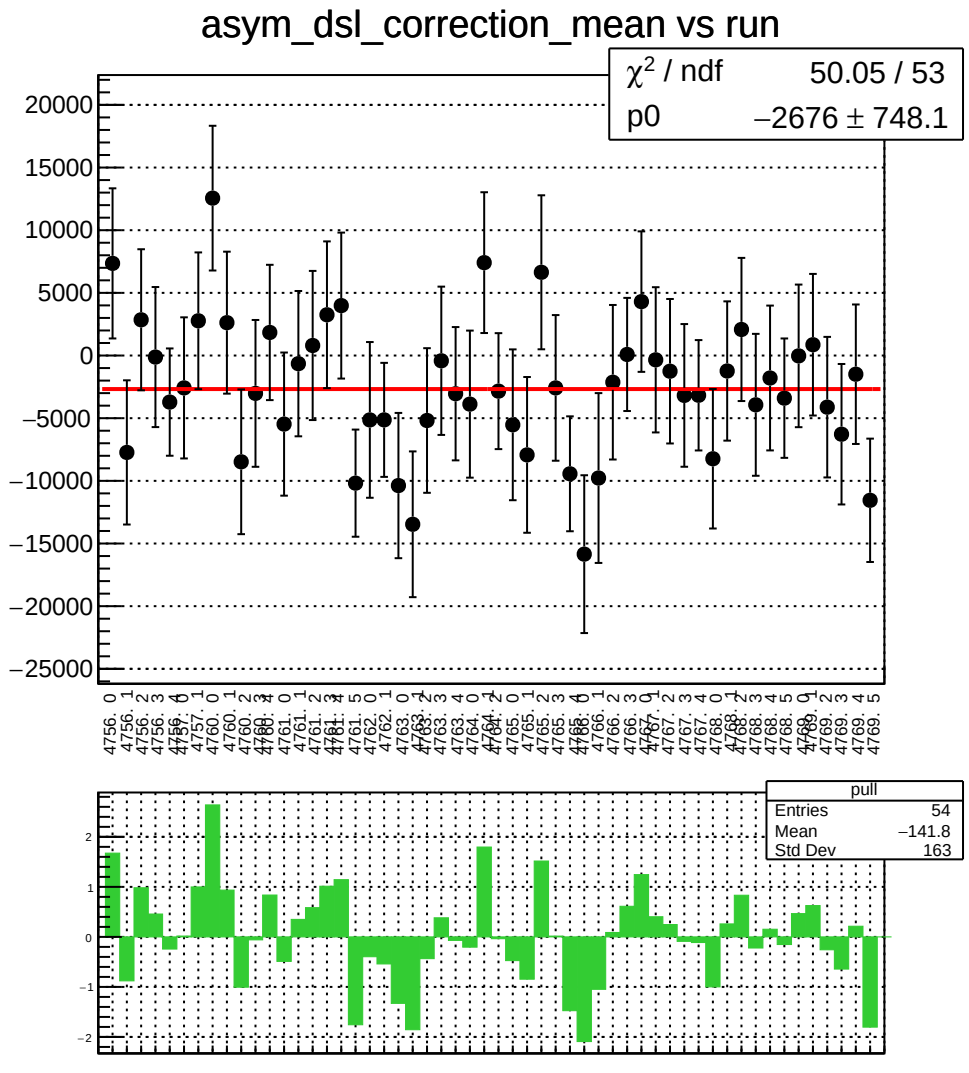

pull1D
Entries 54
Mean 0.01121
Std Dev 0.8533

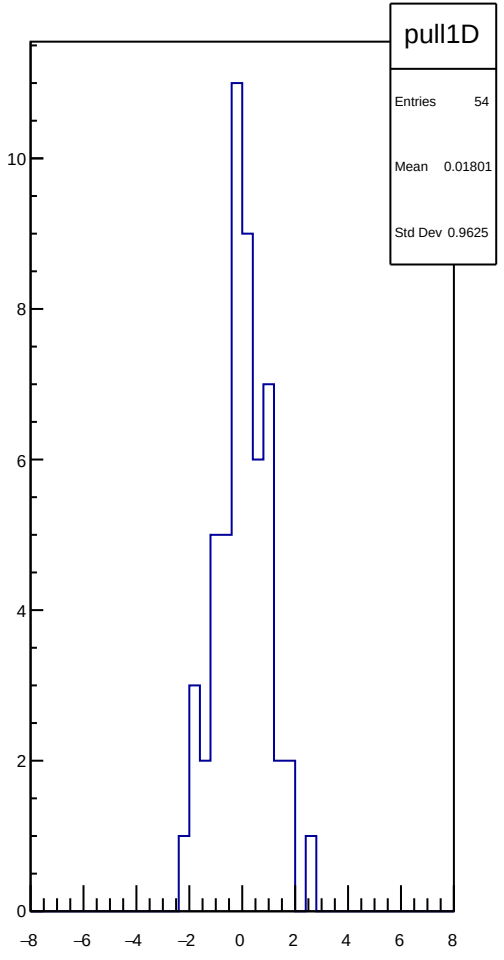

asym_usr_rms vs run
χ² / ndf 1494 / 53
p0 507.8 ± 0.4884
600
580
560
540
520
500
480
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

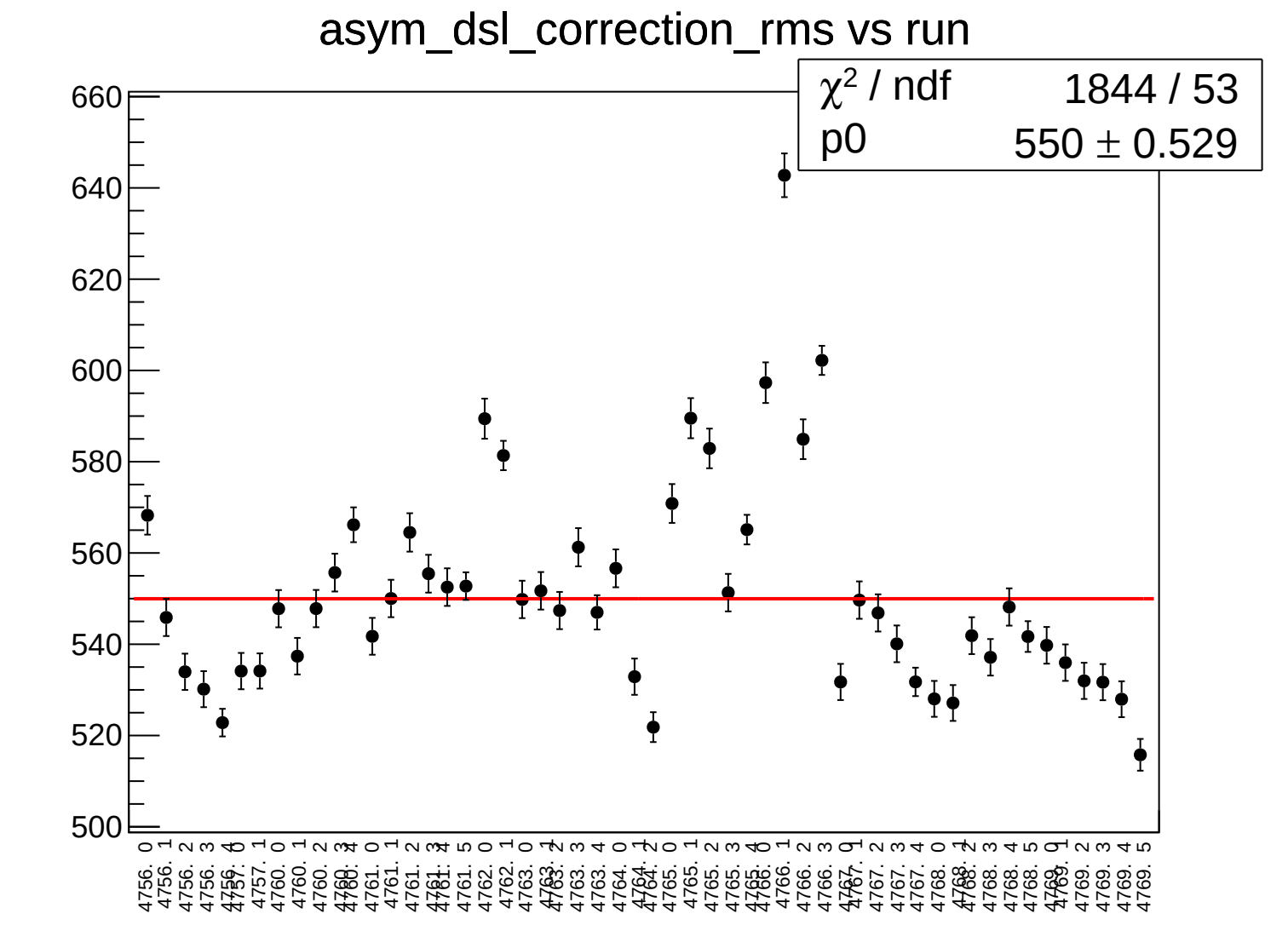

reg_asym_dsl_mean vs run
χ² / ndf 43.08 / 53
p0 596.4 ± 190.7
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 200.5
Std Dev 176
1.5
1
0.5
0
−0.5
−1
−1.5
−2

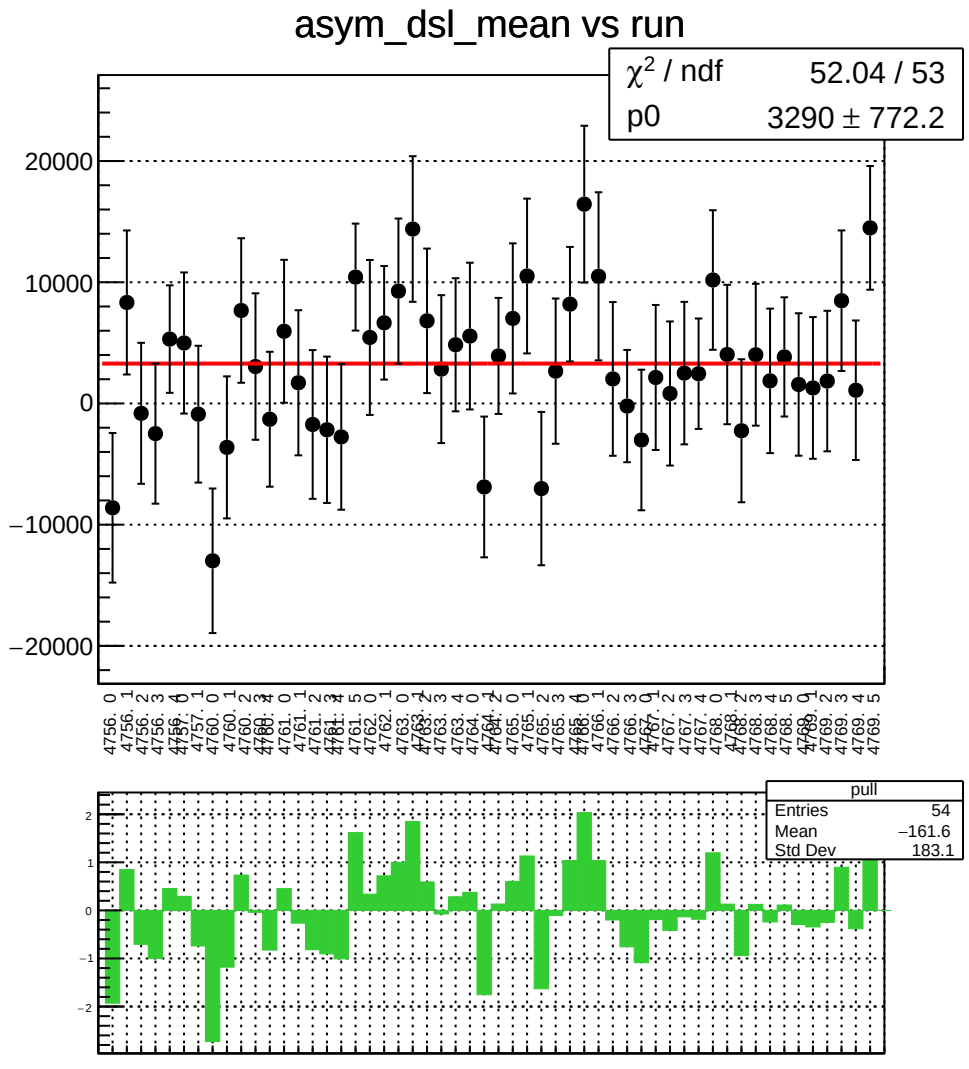

pull1D
Entries 54
Mean 0.007136
Std Dev 0.8931
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

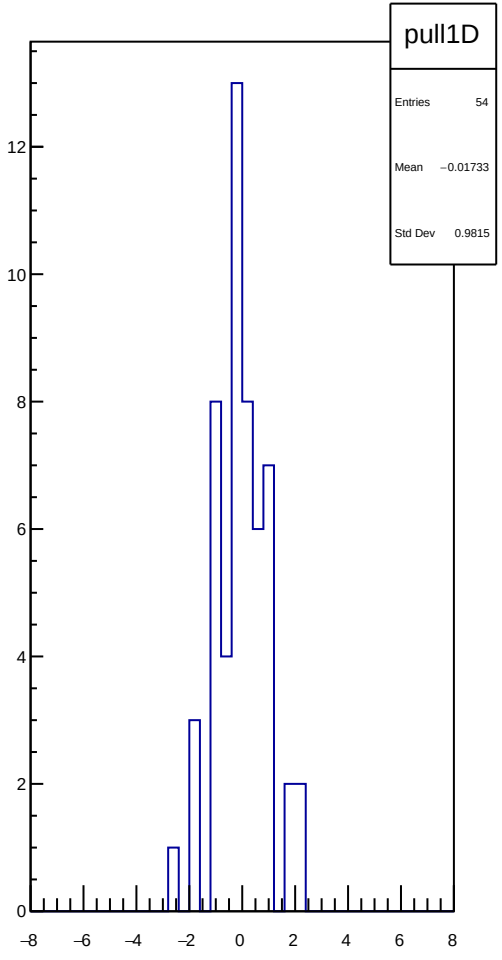

reg_asym_dsl_rms vs run
χ² / ndf 86.32 / 53
p0 140.3 ± 0.1348
144
143
142
141
140
139
138
137
136
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

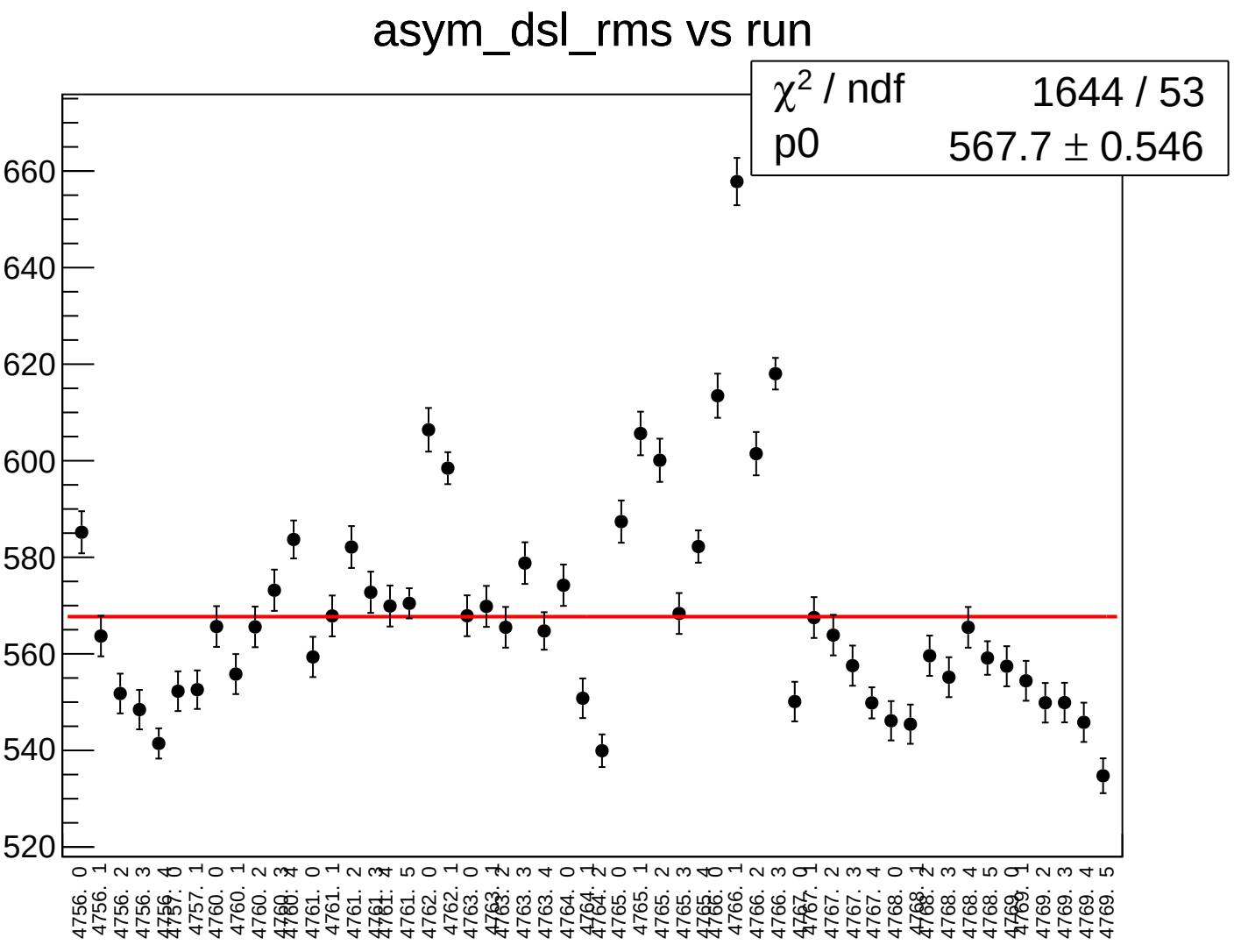

asym_dsl_correction_mean vs run
χ² / ndf 50.05 / 53
p0 −2676 ± 748.1
pull
Entries 54
Mean −141.8
Std Dev 163

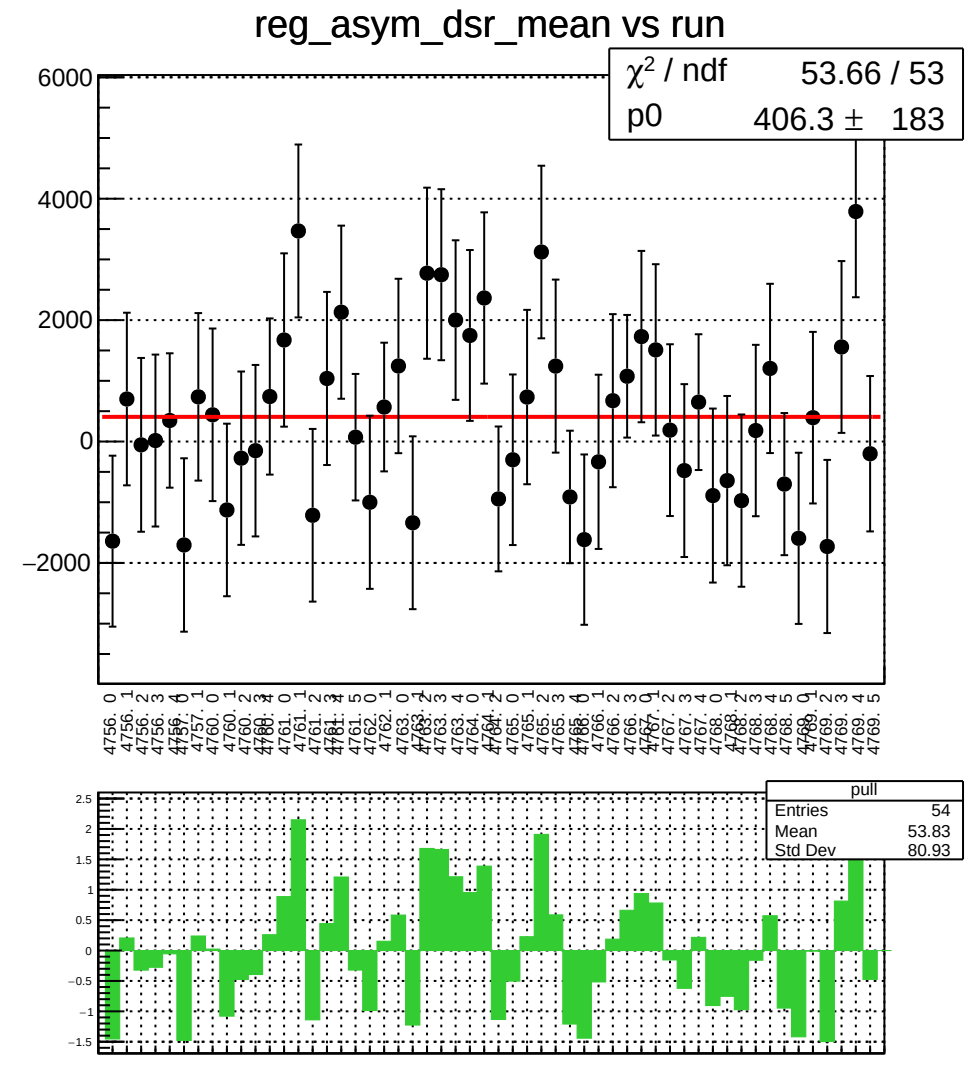

pull1D
Entries 54
Mean 0.01801
Std Dev 0.9625

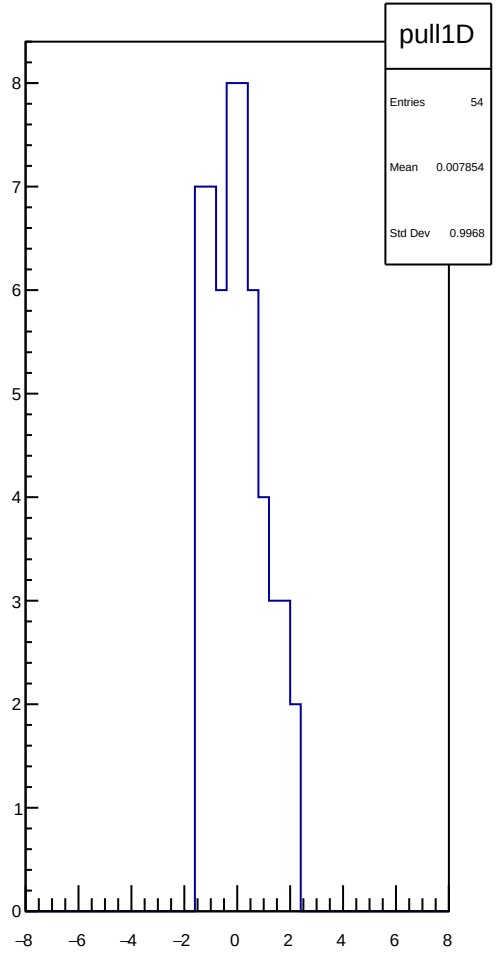

asym_dsl_correction_rms vs run
χ² / ndf 1844 / 53
p0 550 ± 0.529
660
640
620
600
580
560
540
520
500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

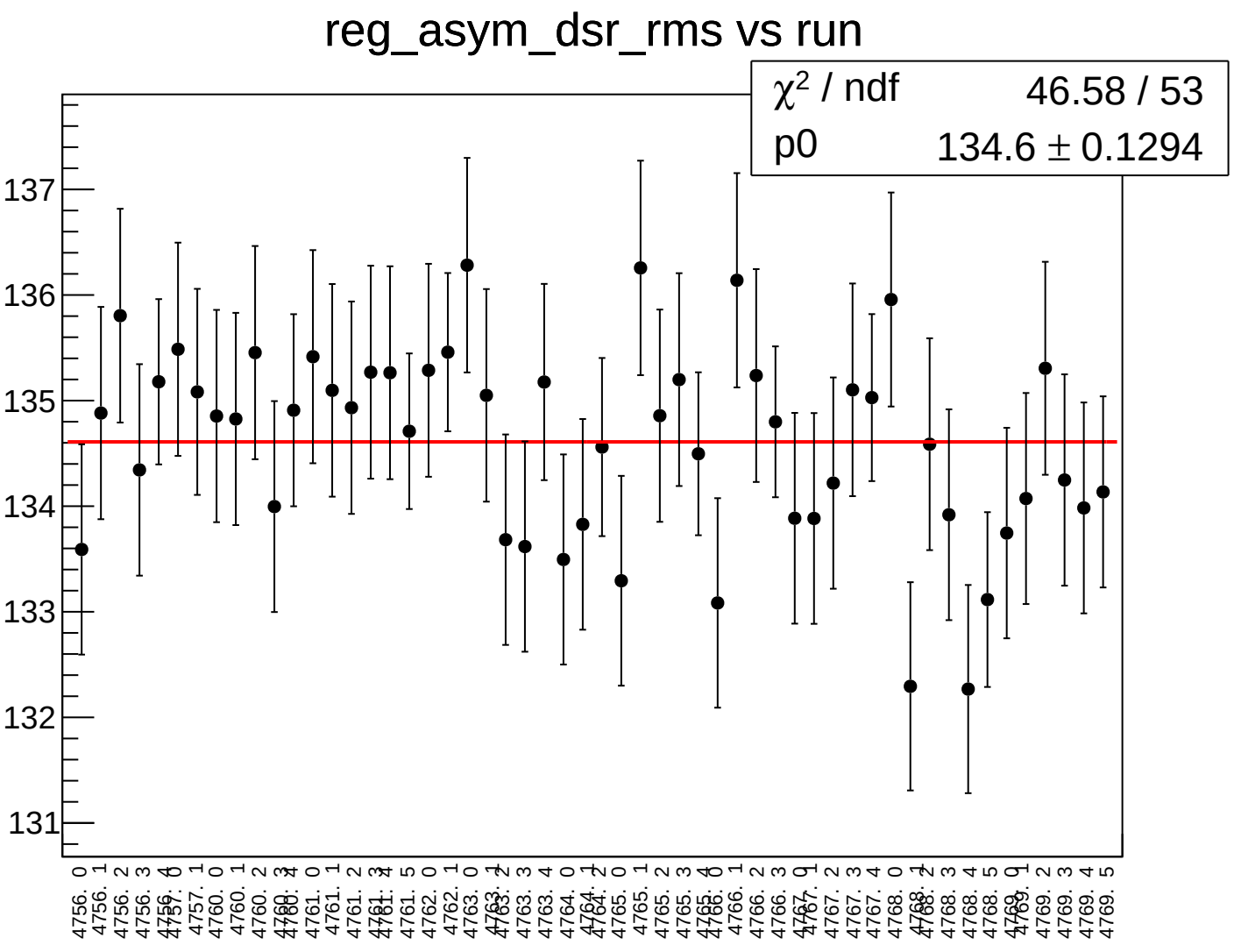

asym_dsl_mean vs run
χ² / ndf 52.04 / 53
p0 3290 ± 772.2
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −161.6
Std Dev 183.1
2
1
0
−1
−2

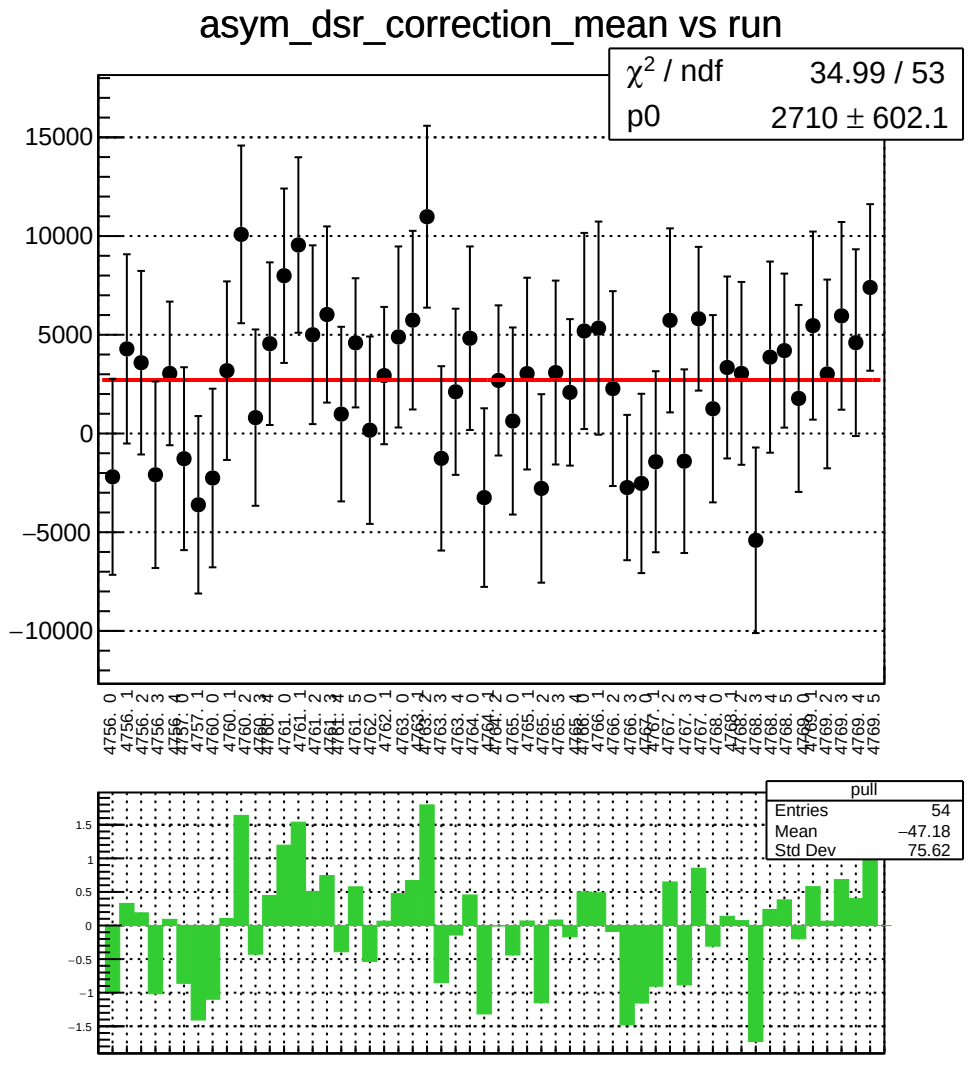

pull1D
Entries 54
Mean −0.01733
Std Dev 0.9815
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

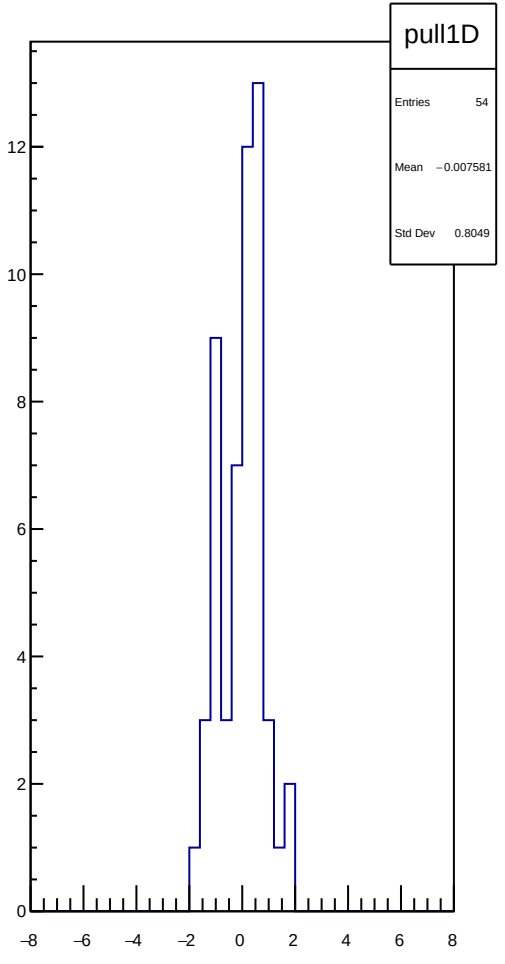

asym_dsl_rms vs run
χ² / ndf 1644 / 53
p0 567.7 ± 0.546
660
640
620
600
580
560
540
520
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

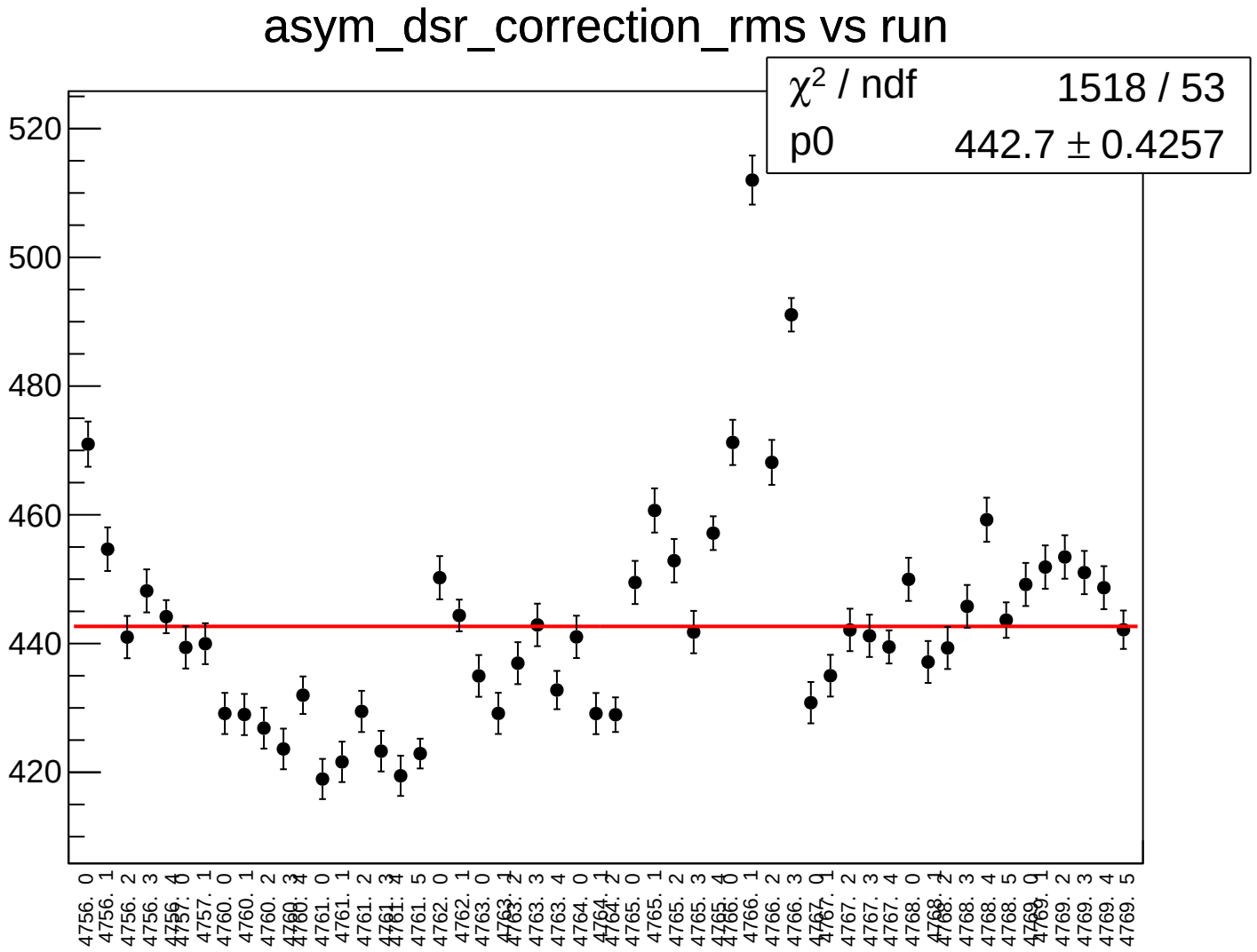

reg_asym_dsr_mean vs run
χ² / ndf 53.66 / 53
p0 406.3 ± 183
6000
4000
2000
0
−2000
pull
Entries 54
Mean 53.83
Std Dev 80.93
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

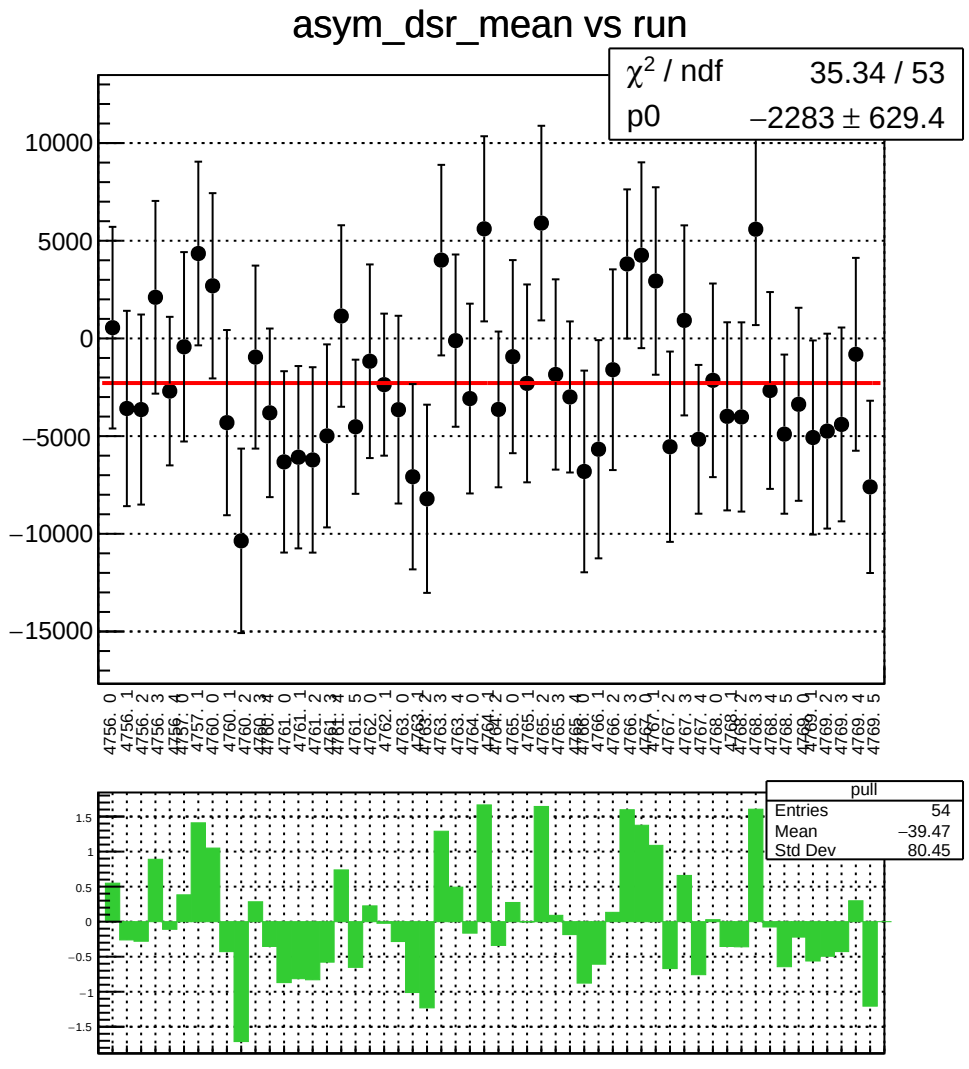

pull1D
Entries 54
Mean 0.007854
Std Dev 0.9968
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

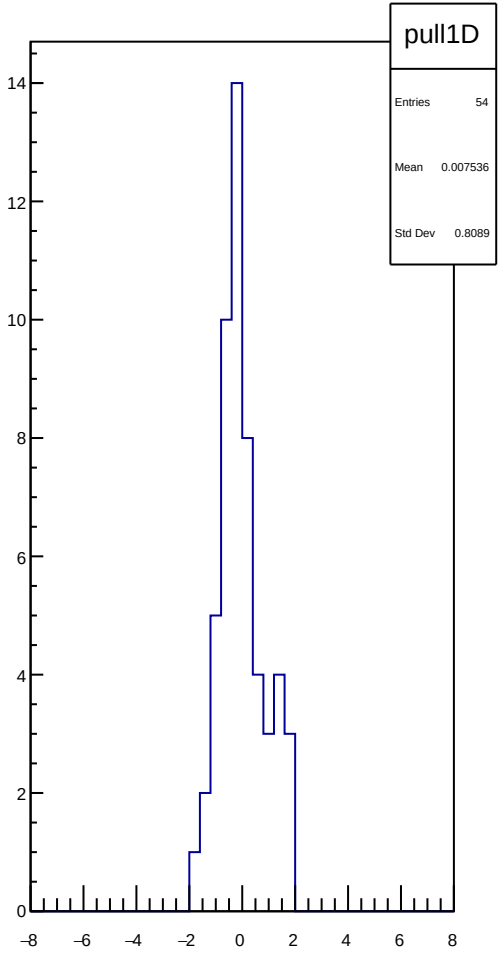

reg_asym_dsr_rms vs run
χ² / ndf 46.58 / 53
p0 134.6 ± 0.1294
137
136
135
134
133
132
131
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

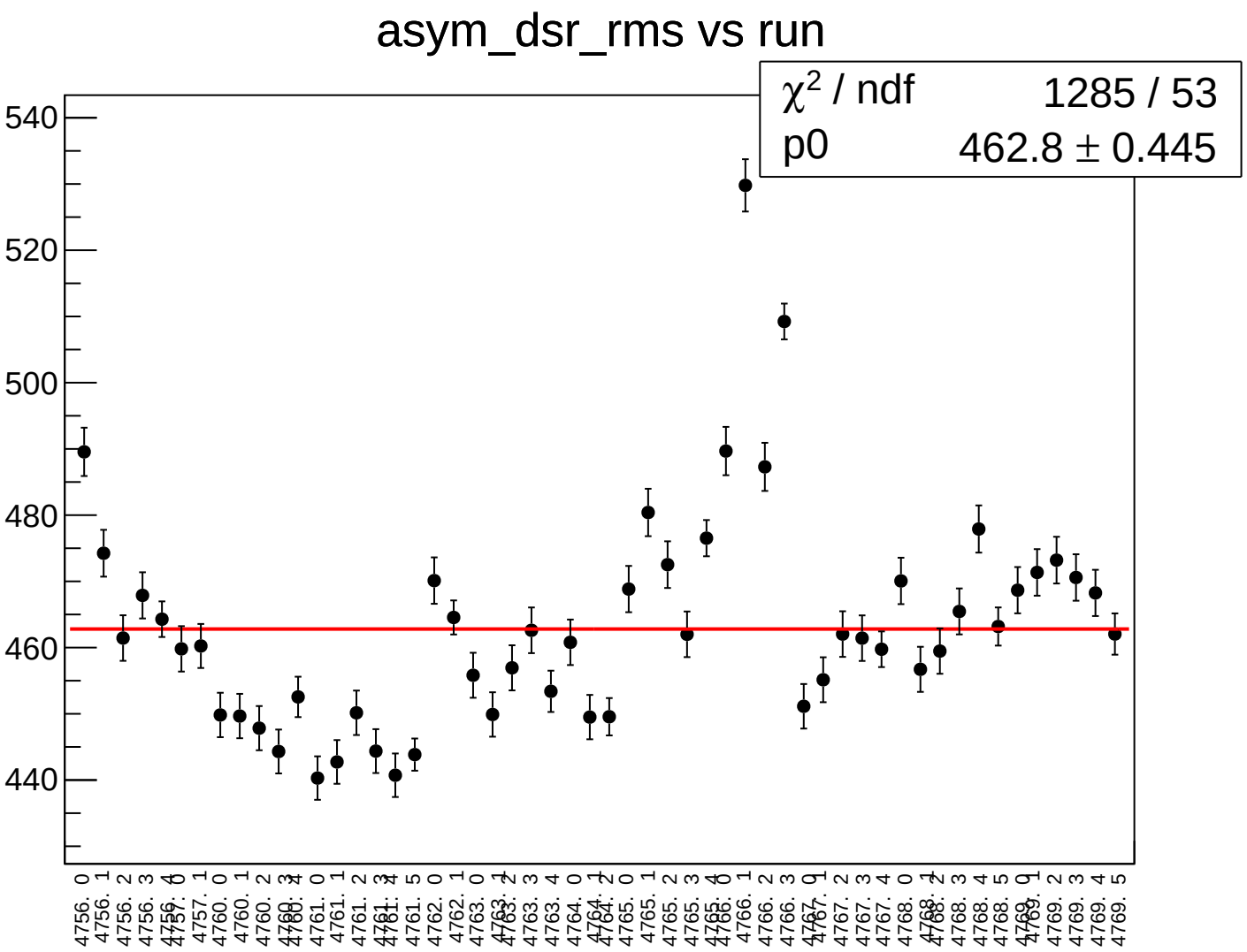

asym_dsr_correction_mean vs run
χ² / ndf 34.99 / 53
p0 2710 ± 602.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −47.18
Std Dev 75.62
1.5
1
0.5
0
−0.5
−1
−1.5

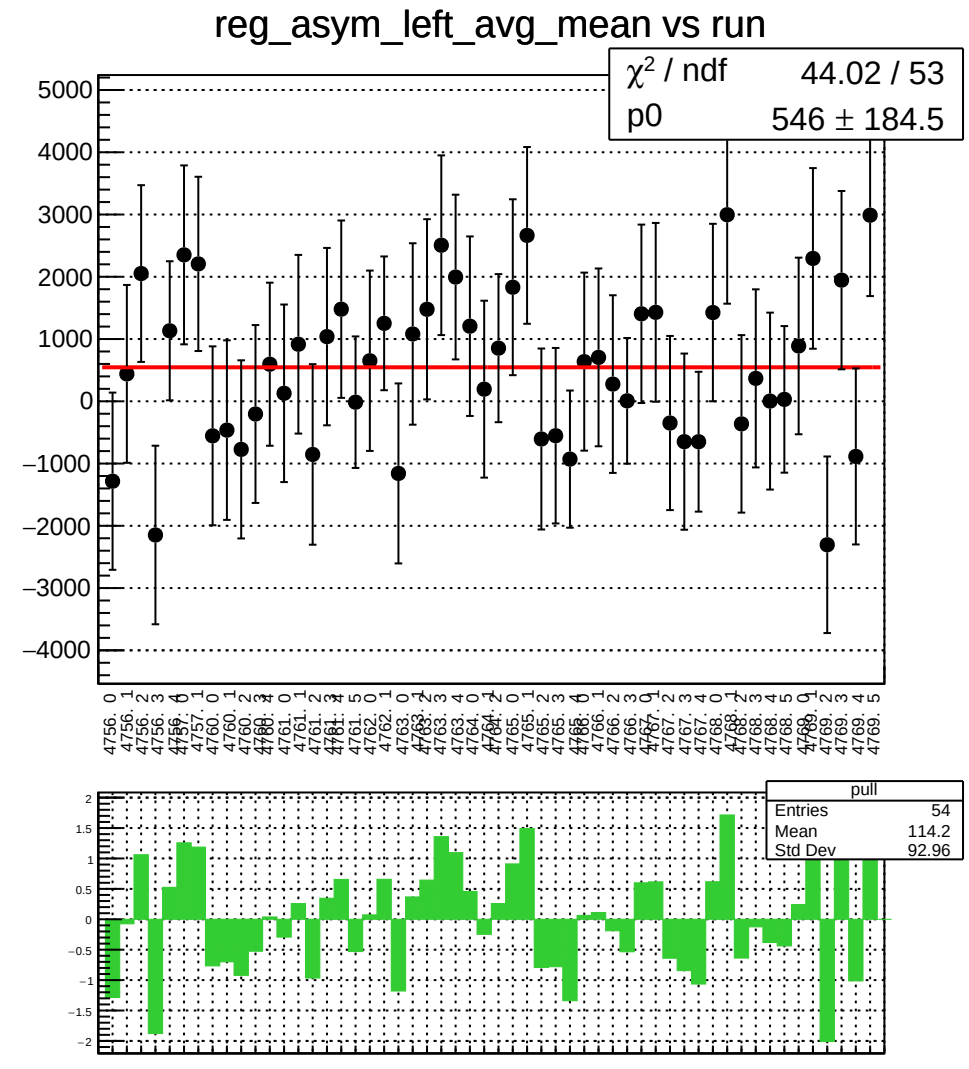

pull1D
Entries 54
Mean −0.007581
Std Dev 0.8049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

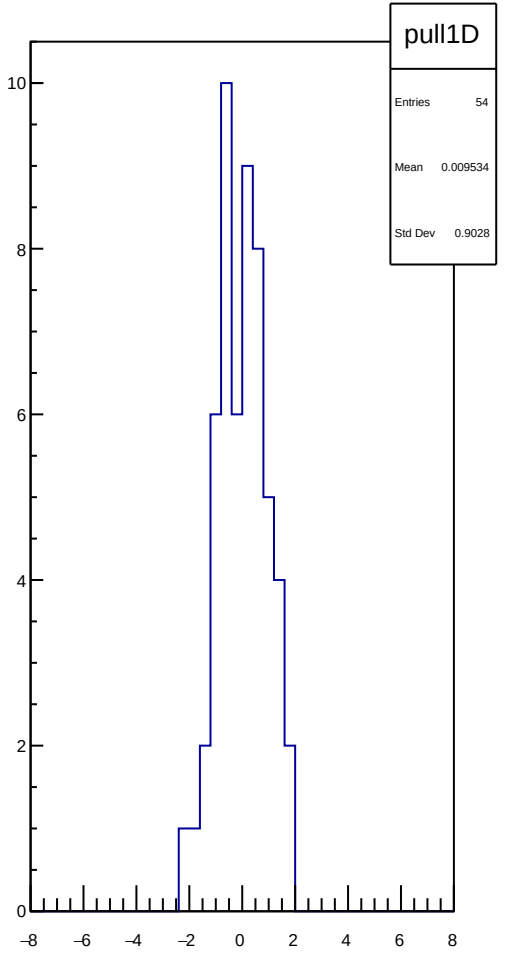

asym_dsr_correction_rms vs run
χ² / ndf 1518 / 53
p0 442.7 ± 0.4257
520
500
480
460
440
420
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

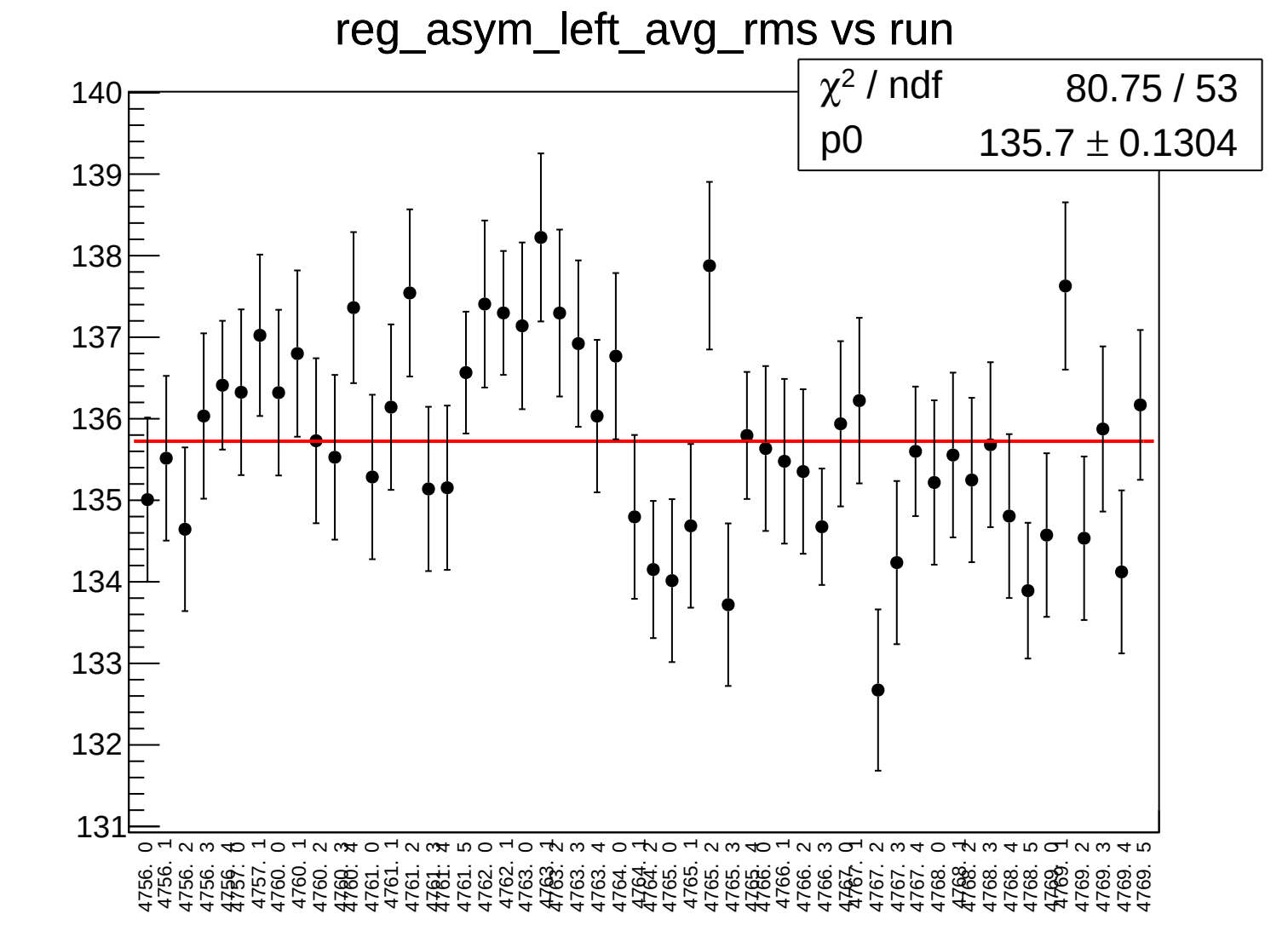

asym_dsr_mean vs run
χ² / ndf 35.34 / 53
p0 −2283 ± 629.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −39.47
Std Dev 80.45
1.5
1
0.5
0
−0.5
−1
−1.5

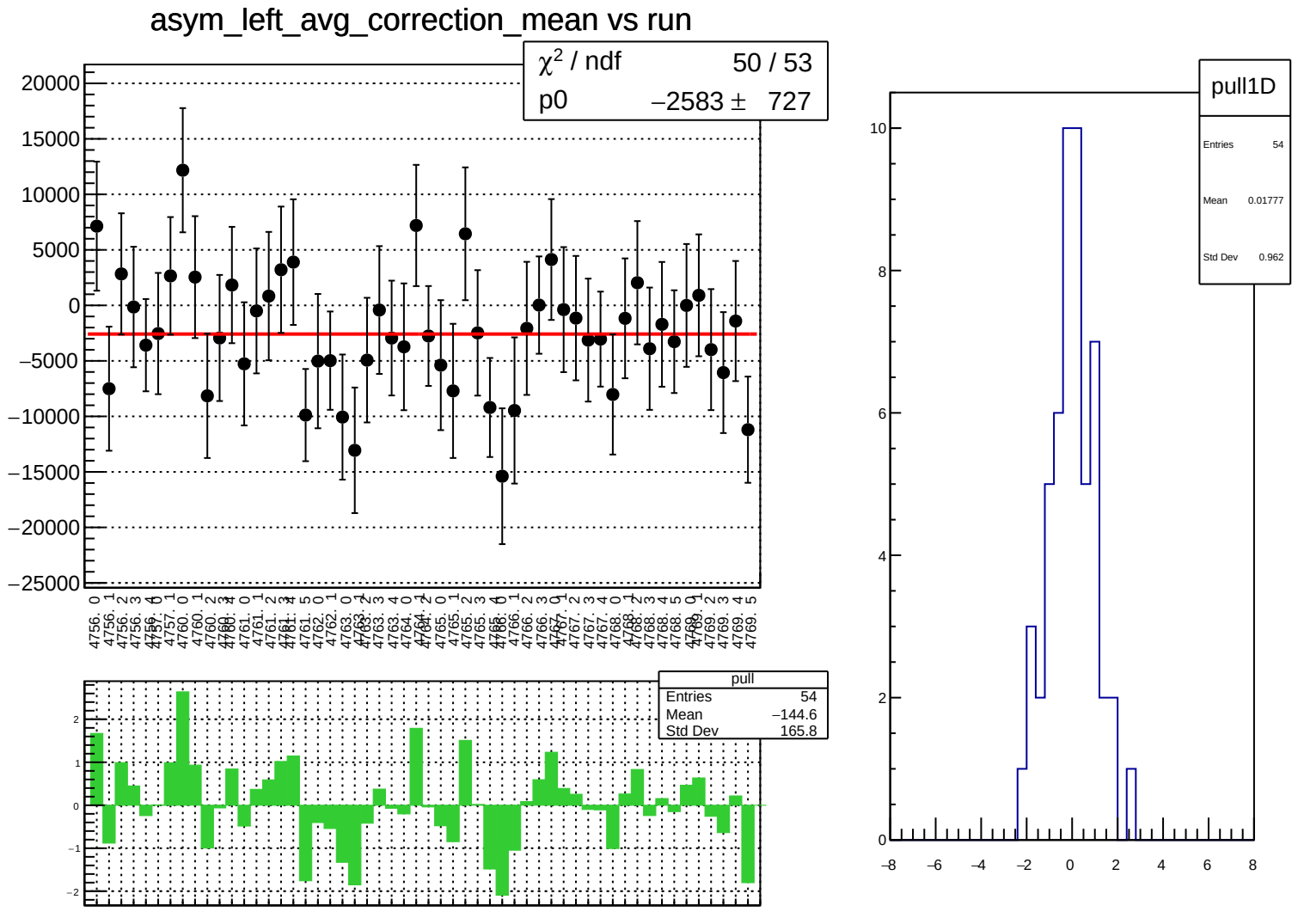

pull1D
Entries 54
Mean 0.007536
Std Dev 0.8089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

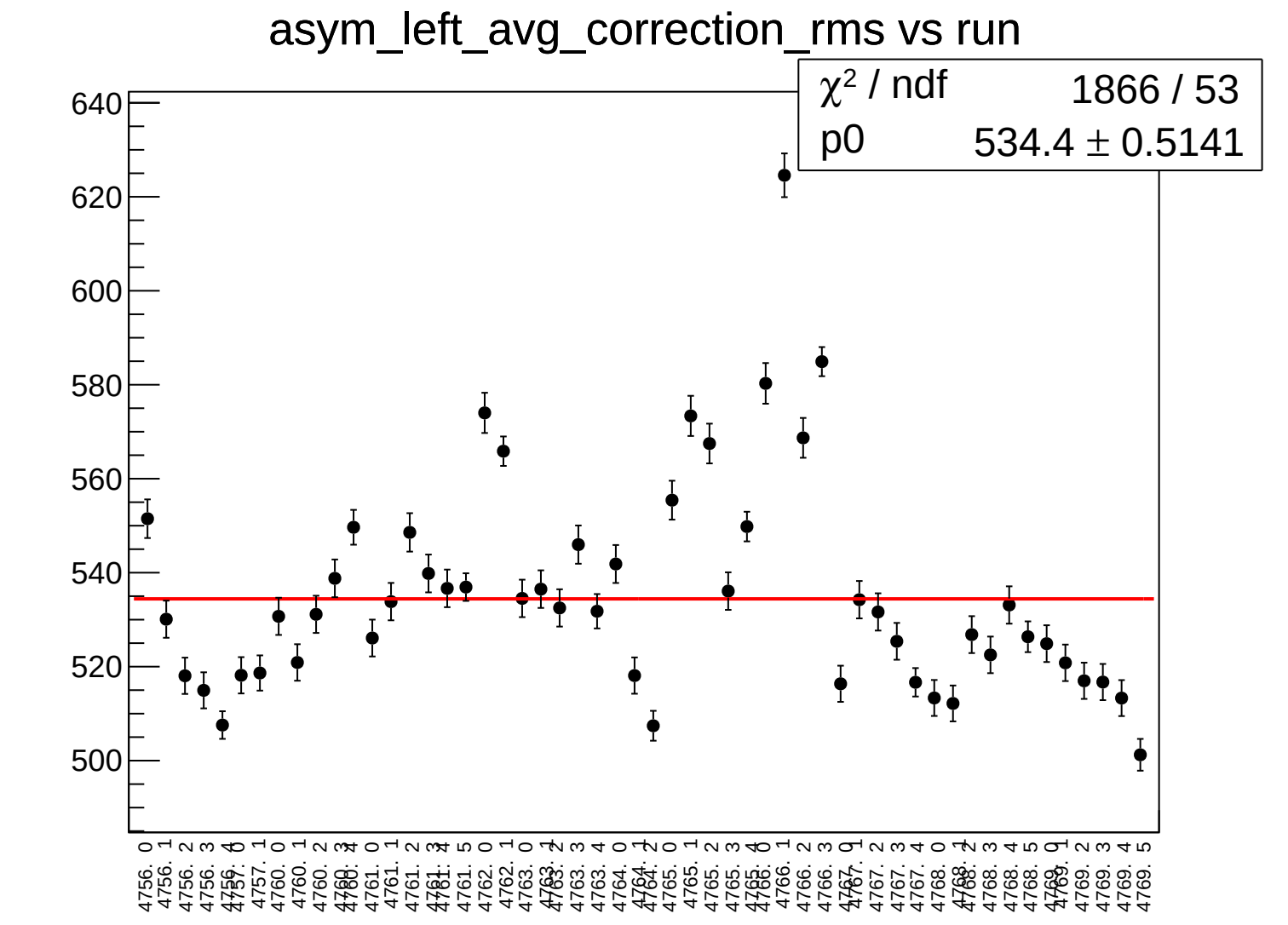

asym_dsr_rms vs run
χ^2 / ndf 1285 / 53
p0 462.8 ± 0.445
540
520
500
480
460
440
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

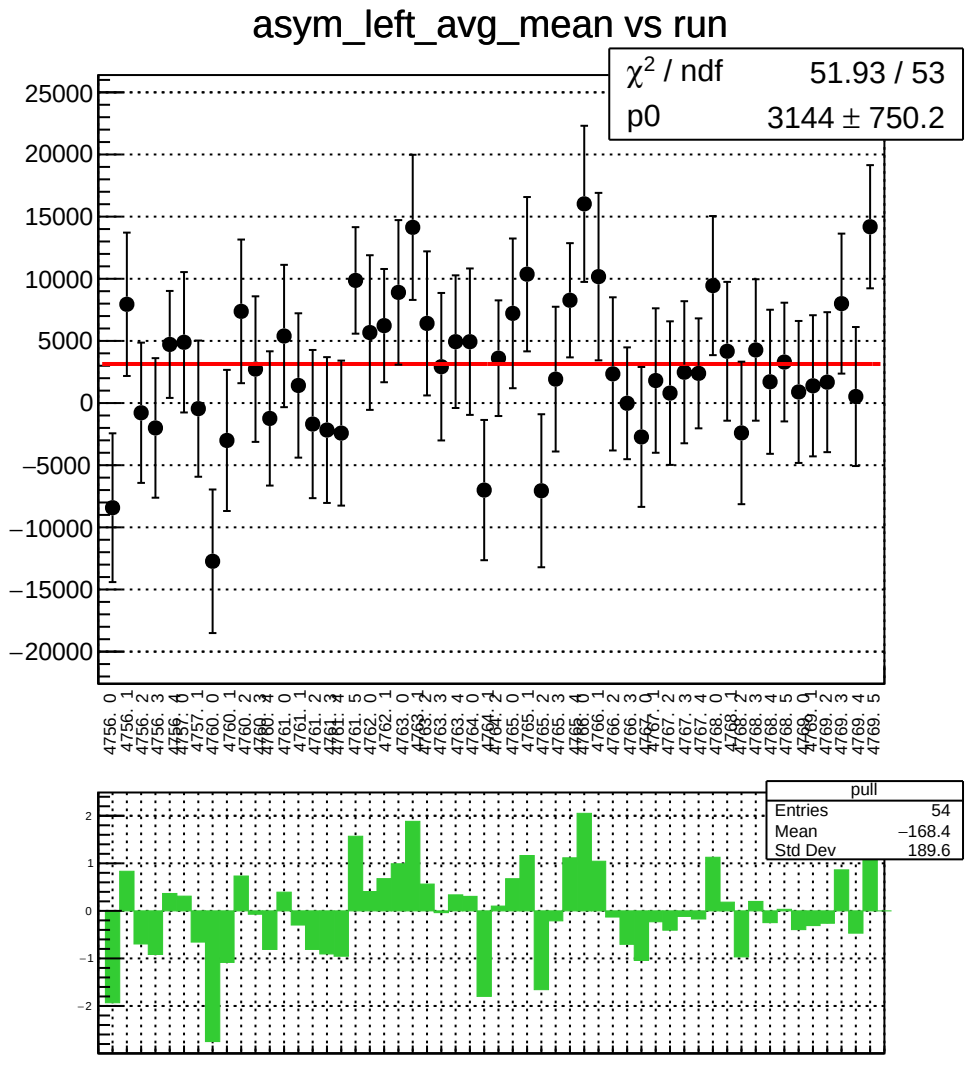

reg_asym_left_avg_mean vs run
χ² / ndf 44.02 / 53
p0 546 ± 184.5
pull
Entries 54
Mean 114.2
Std Dev 92.96

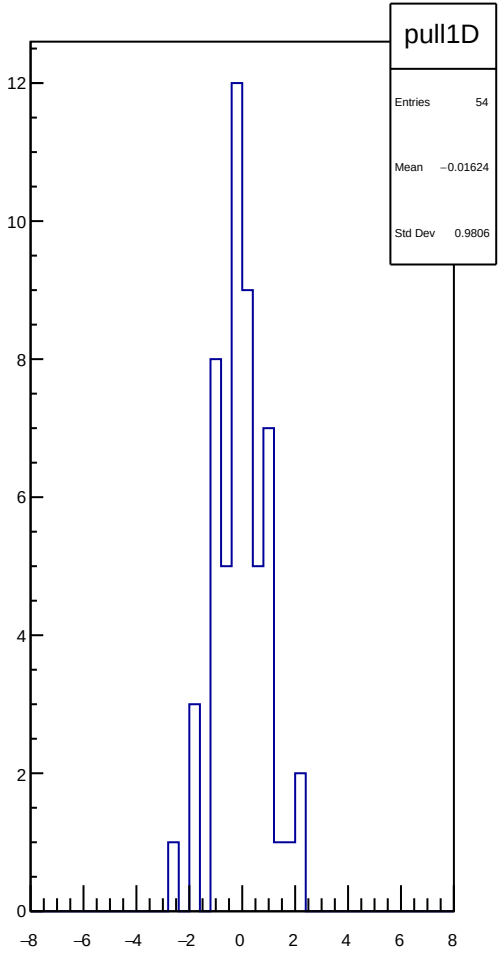

pull1D
Entries 54
Mean 0.009534
Std Dev 0.9028

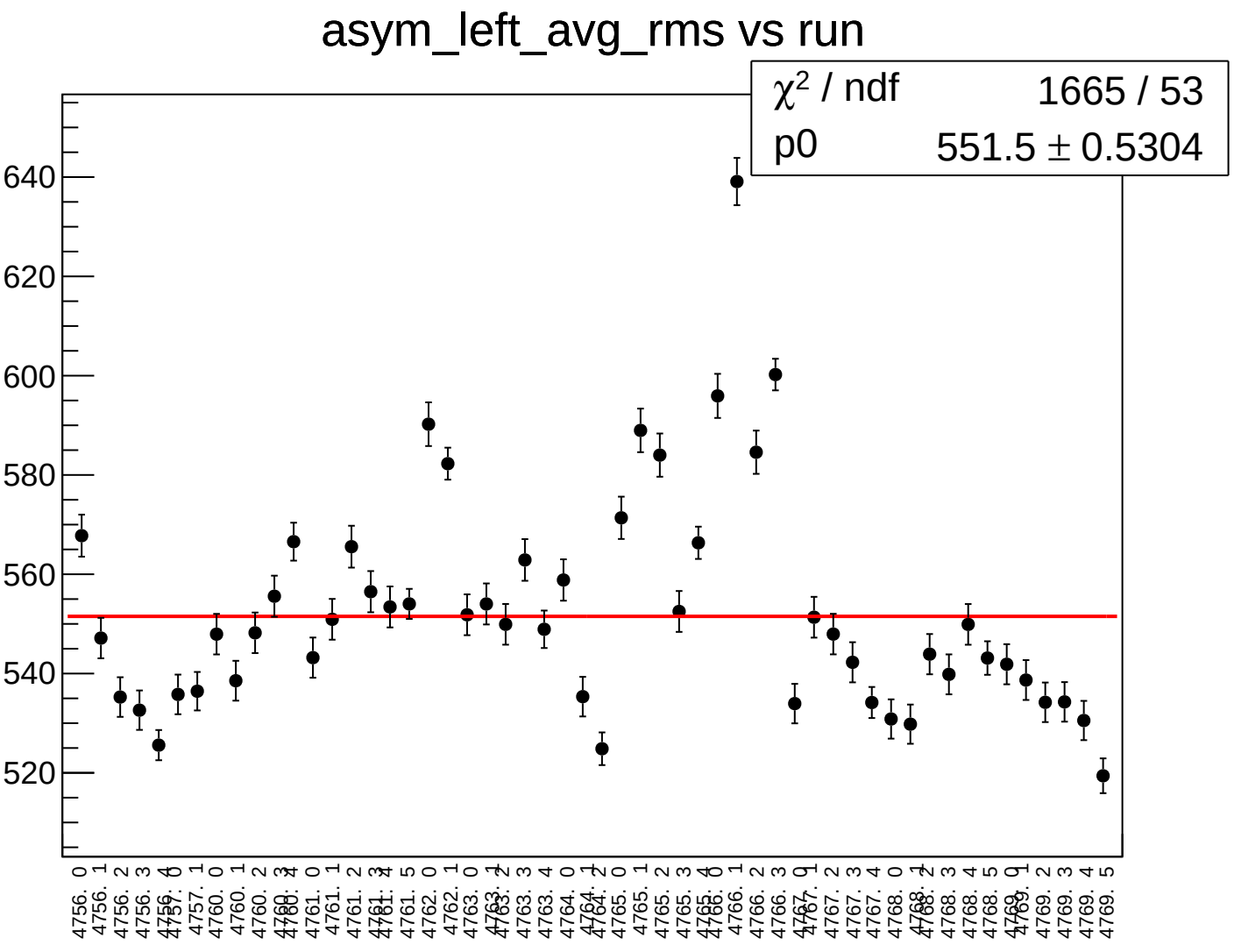

reg_asym_left_avg_rms vs run
χ² / ndf 80.75 / 53
p0 135.7 ± 0.1304
140
139
138
137
136
135
134
133
132
131
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

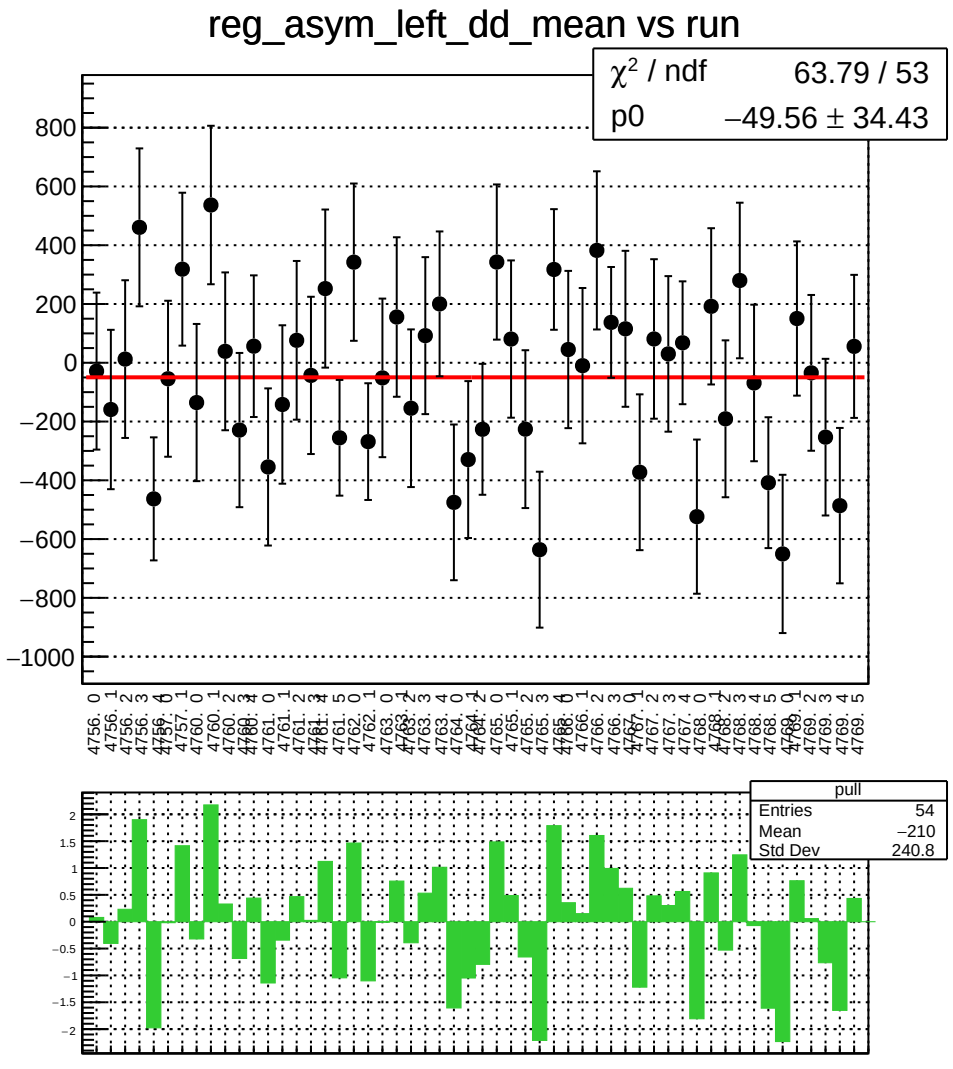

asym_left_avg_correction_mean vs run
χ² / ndf 50 / 53
p0 −2583 ± 727
pull
Entries 54
Mean −144.6
Std Dev 165.8
pull1D
Entries 54
Mean 0.01777
Std Dev 0.962

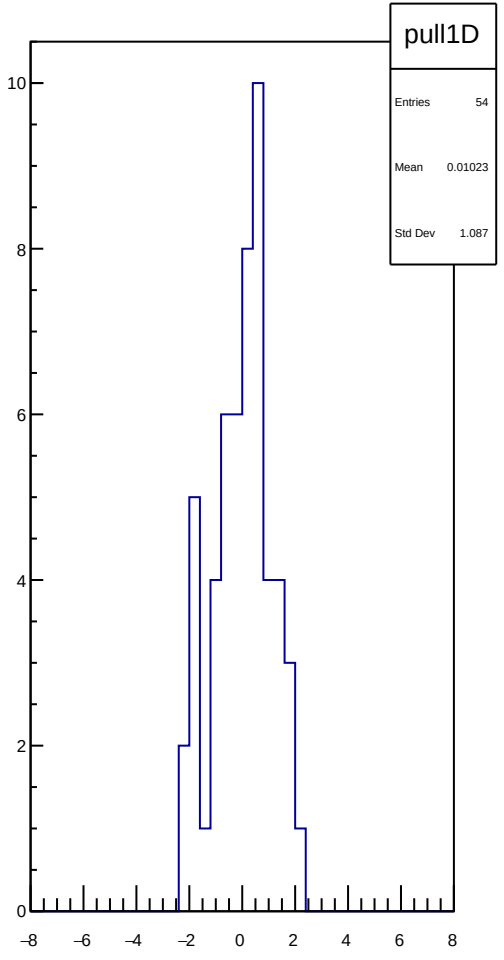

asym_left_avg_correction_rms vs run
χ² / ndf 1866 / 53
p0 534.4 ± 0.5141
640
620
600
580
560
540
520
500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

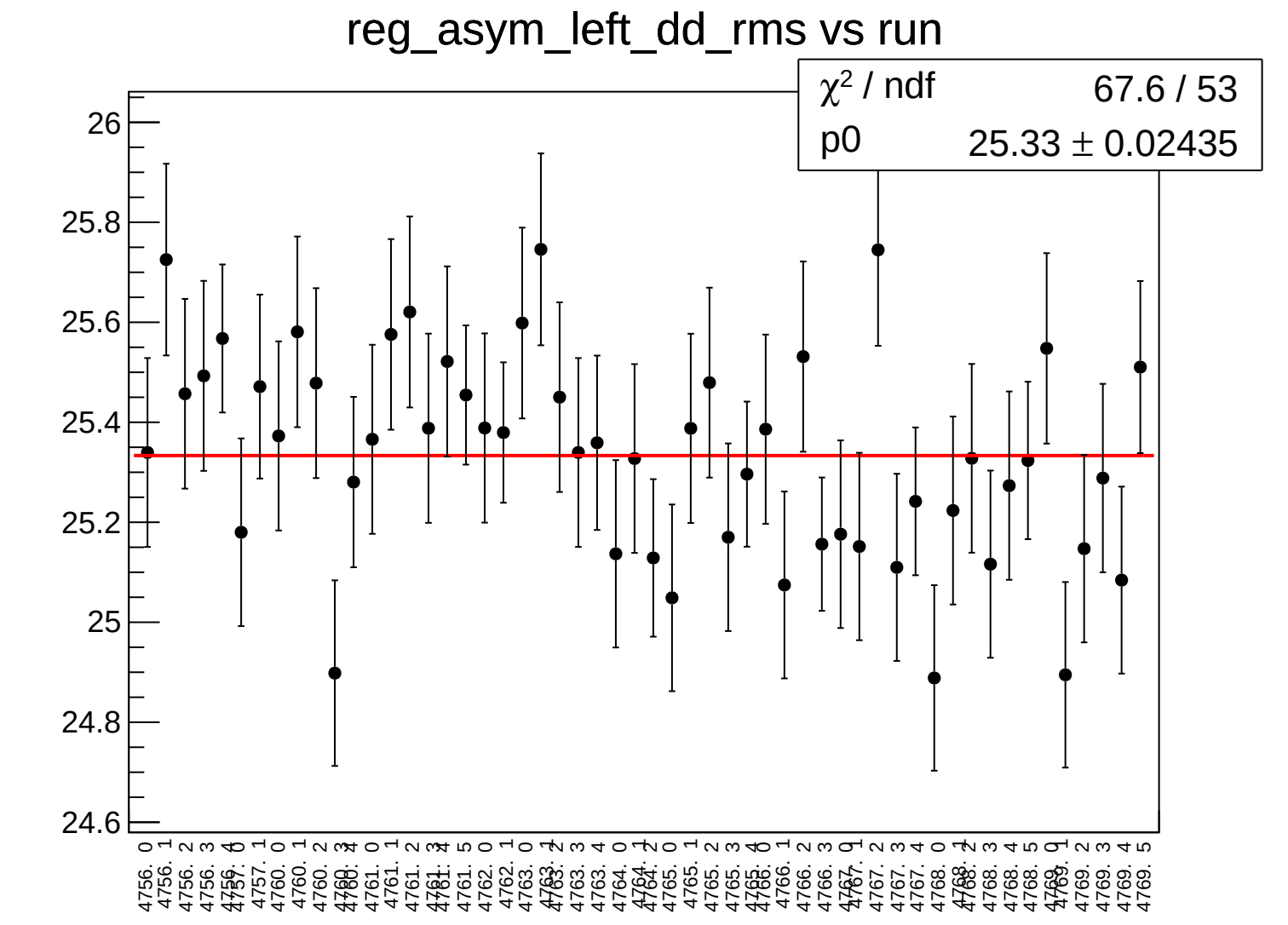

asym_left_avg_mean vs run
χ² / ndf 51.93 / 53
p0 3144 ± 750.2
pull
Entries 54
Mean −168.4
Std Dev 189.6

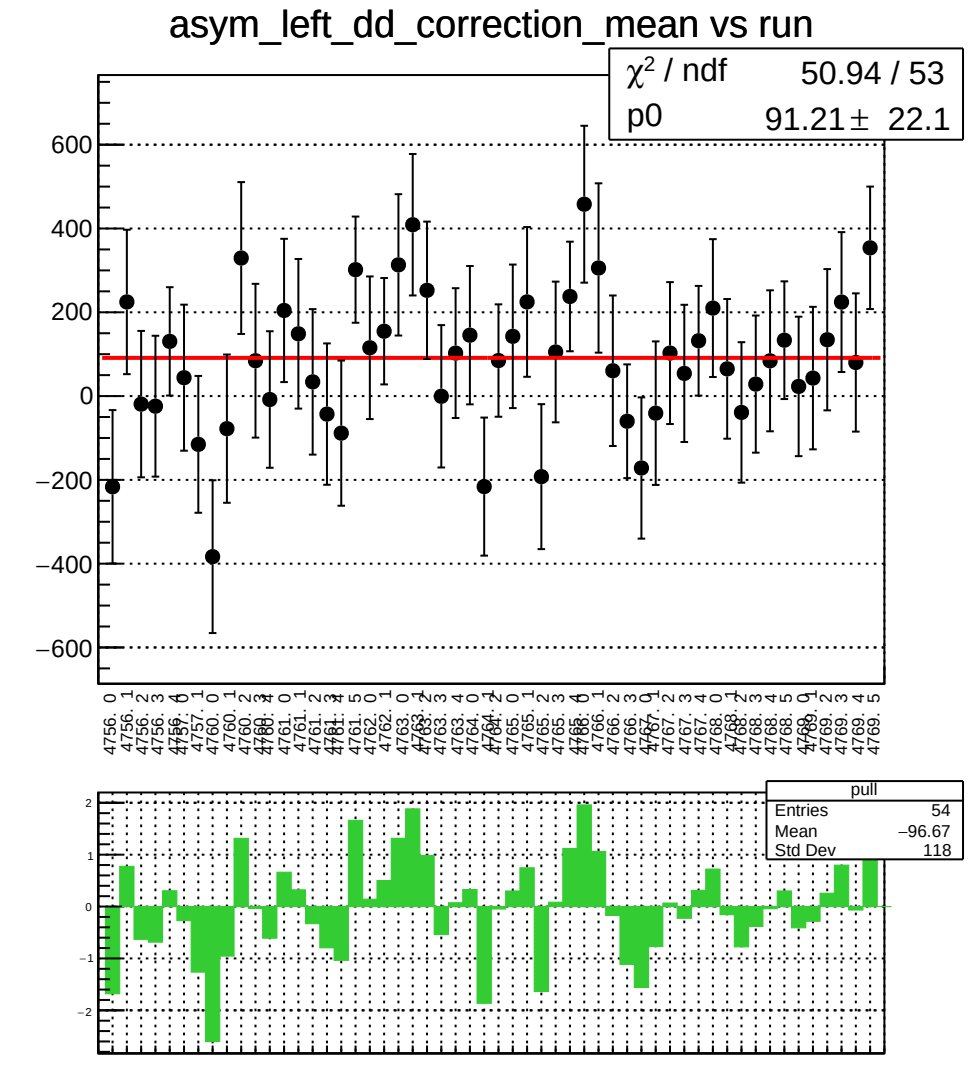

pull1D
Entries 54
Mean −0.01624
Std Dev 0.9806

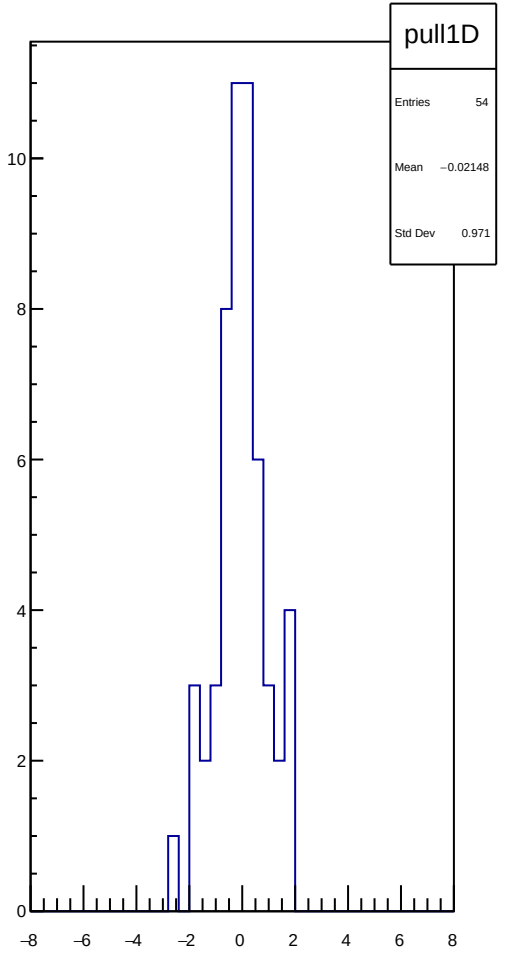

asym_left_avg_rms vs run
χ² / ndf 1665 / 53
p0 551.5 ± 0.5304
640
620
600
580
560
540
520
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

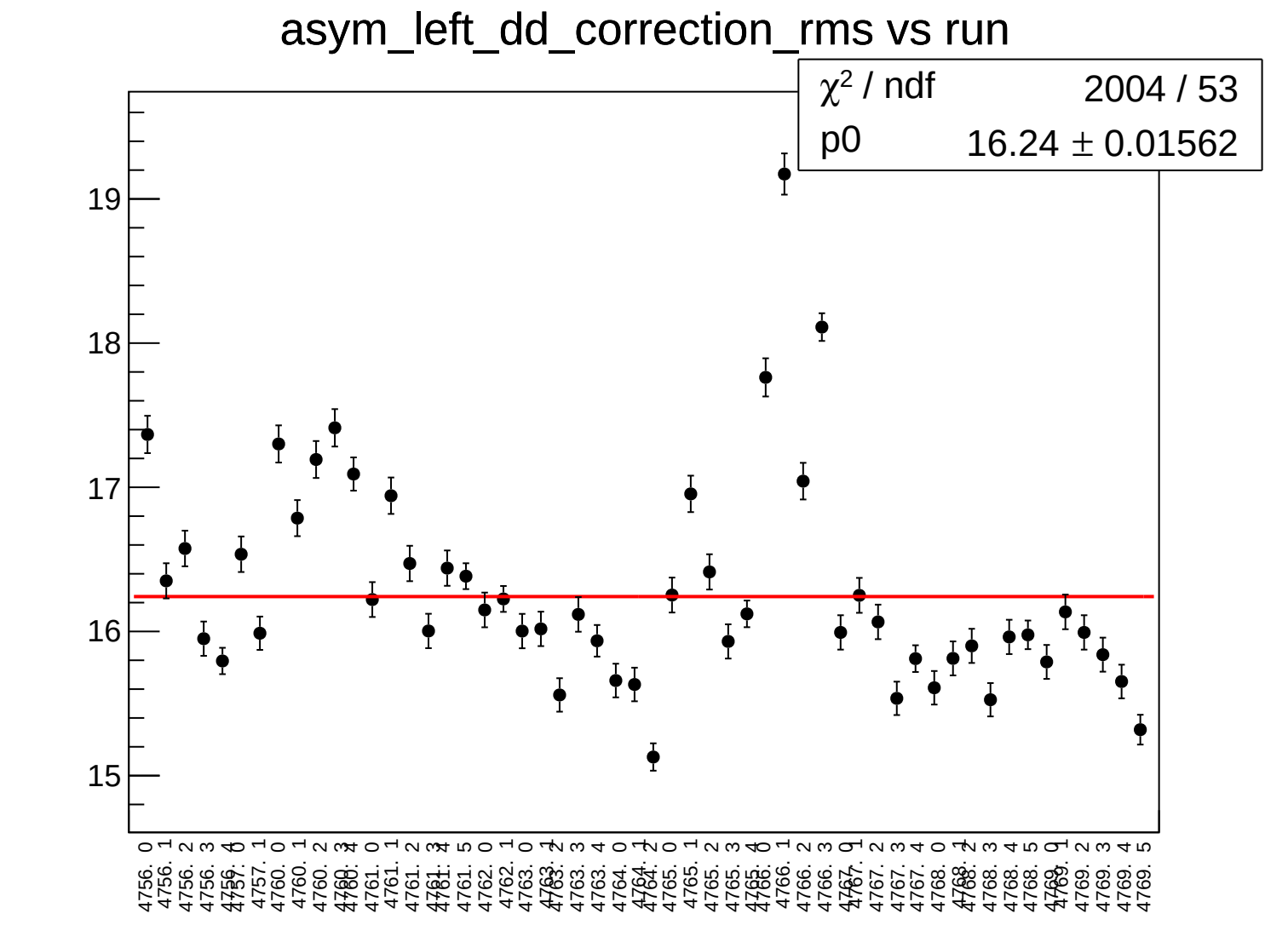

reg_asym_left_dd_mean vs run
χ² / ndf 63.79 / 53
p0 −49.56 ± 34.43
pull
Entries 54
Mean −210
Std Dev 240.8

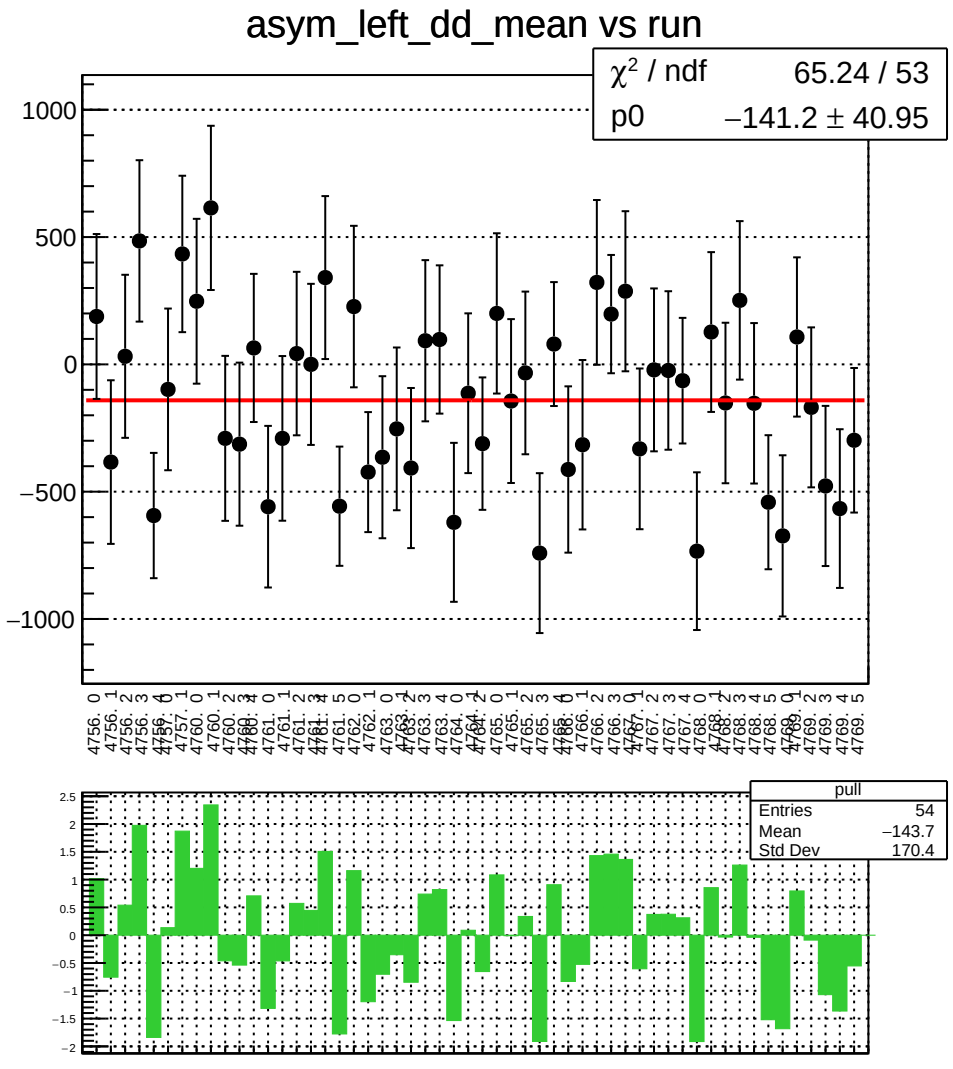

pull1D
Entries 54
Mean 0.01023
Std Dev 1.087

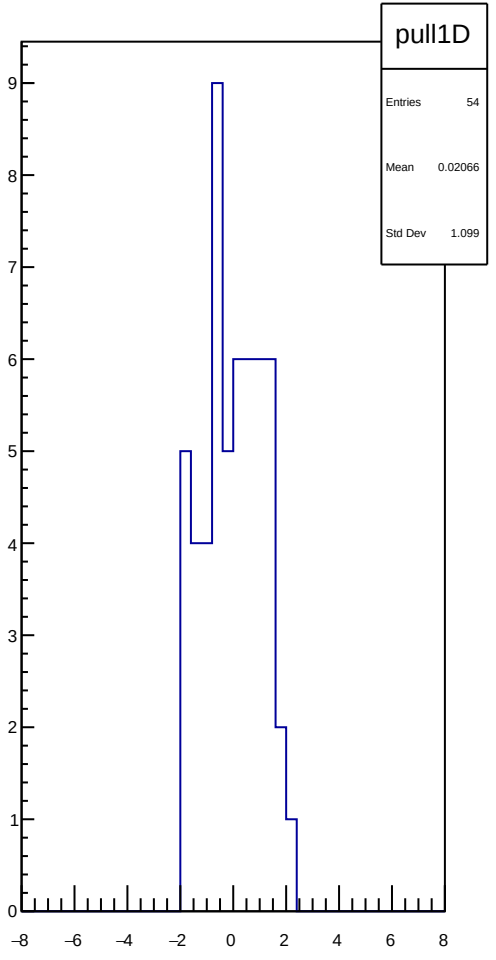

reg_asym_left_dd_rms vs run
χ² / ndf 67.6 / 53
p0 25.33 ± 0.02435
26
25.8
25.6
25.4
25.2
25
24.8
24.6

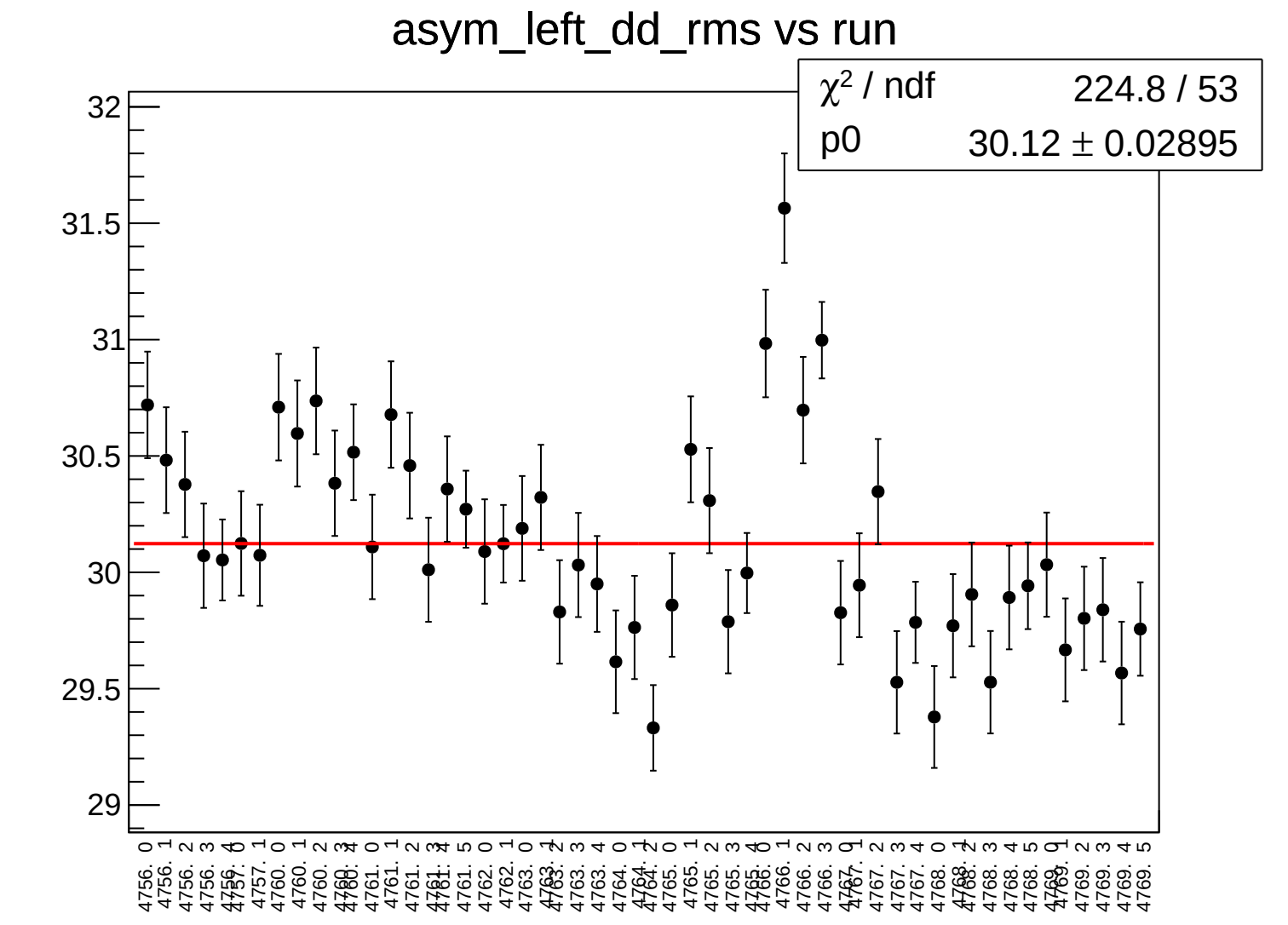

asym_left_dd_correction_mean vs run
χ² / ndf 50.94 / 53
p0 91.21 ± 22.1
pull
Entries 54
Mean −96.67
Std Dev 118

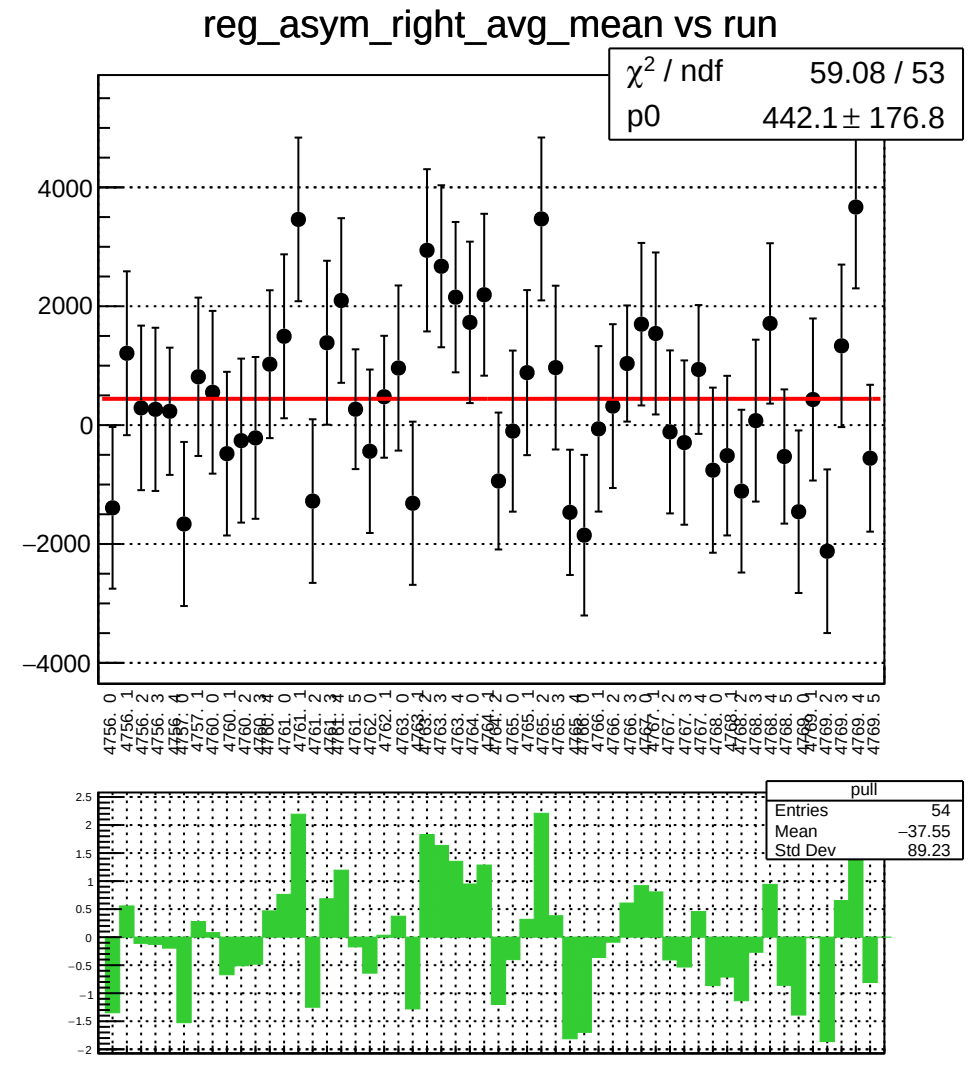

pull1D
Entries 54
Mean −0.02148
Std Dev 0.971

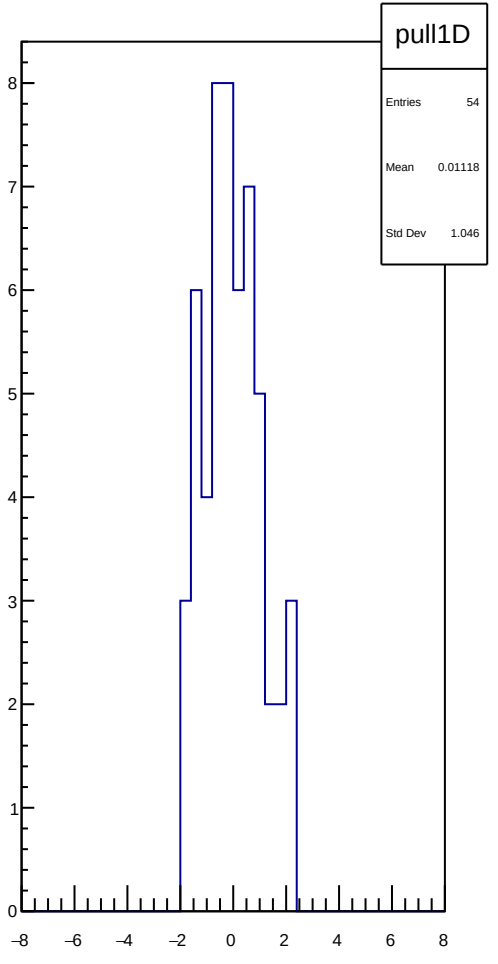

asym_left_dd_correction_rms vs run
χ² / ndf 2004 / 53
p0 16.24 ± 0.01562
19
18
17
16
15
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

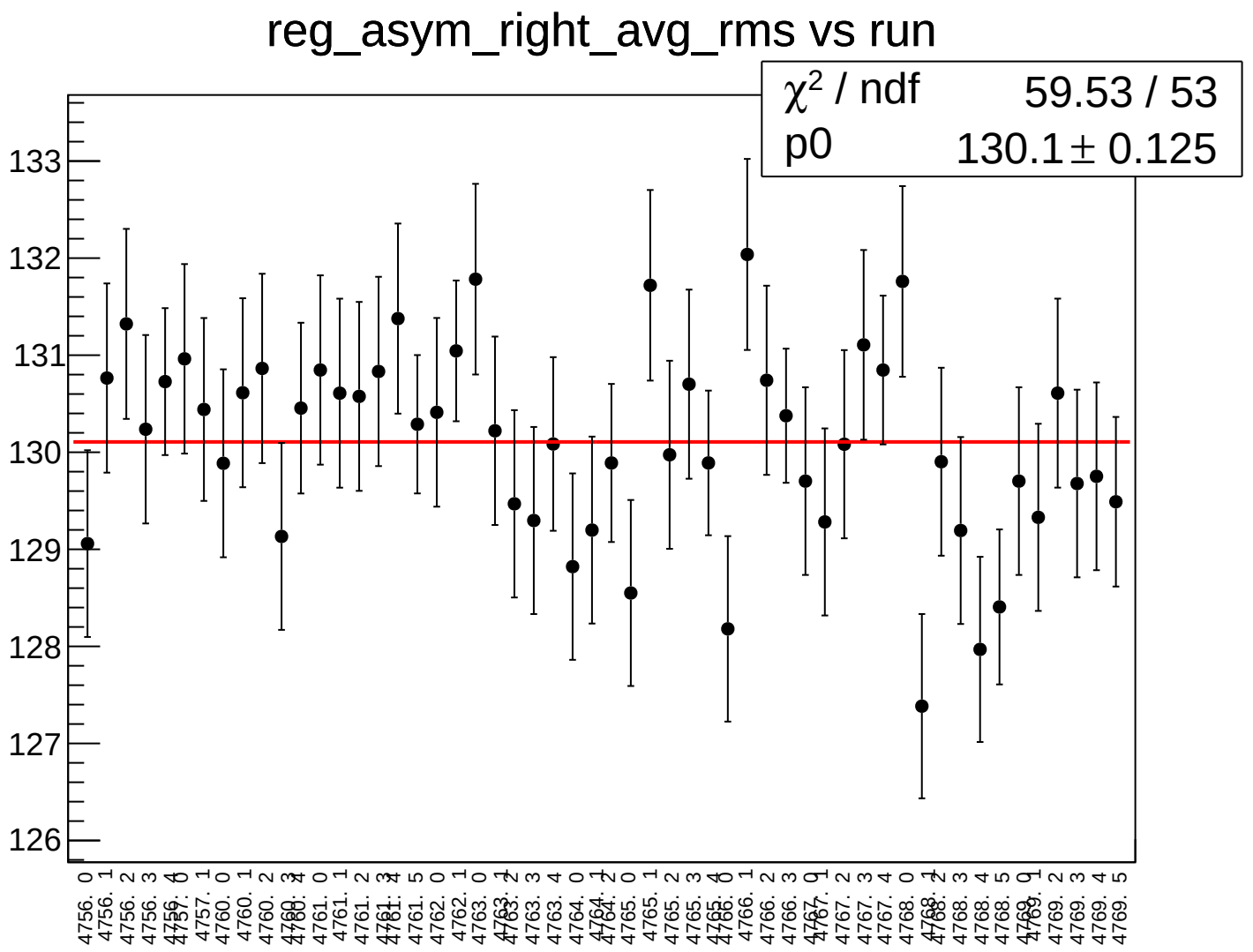

asym_left_dd_mean vs run
χ² / ndf 65.24 / 53
p0 −141.2 ± 40.95
1000
500
0
−500
−1000
pull
Entries 54
Mean −143.7
Std Dev 170.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

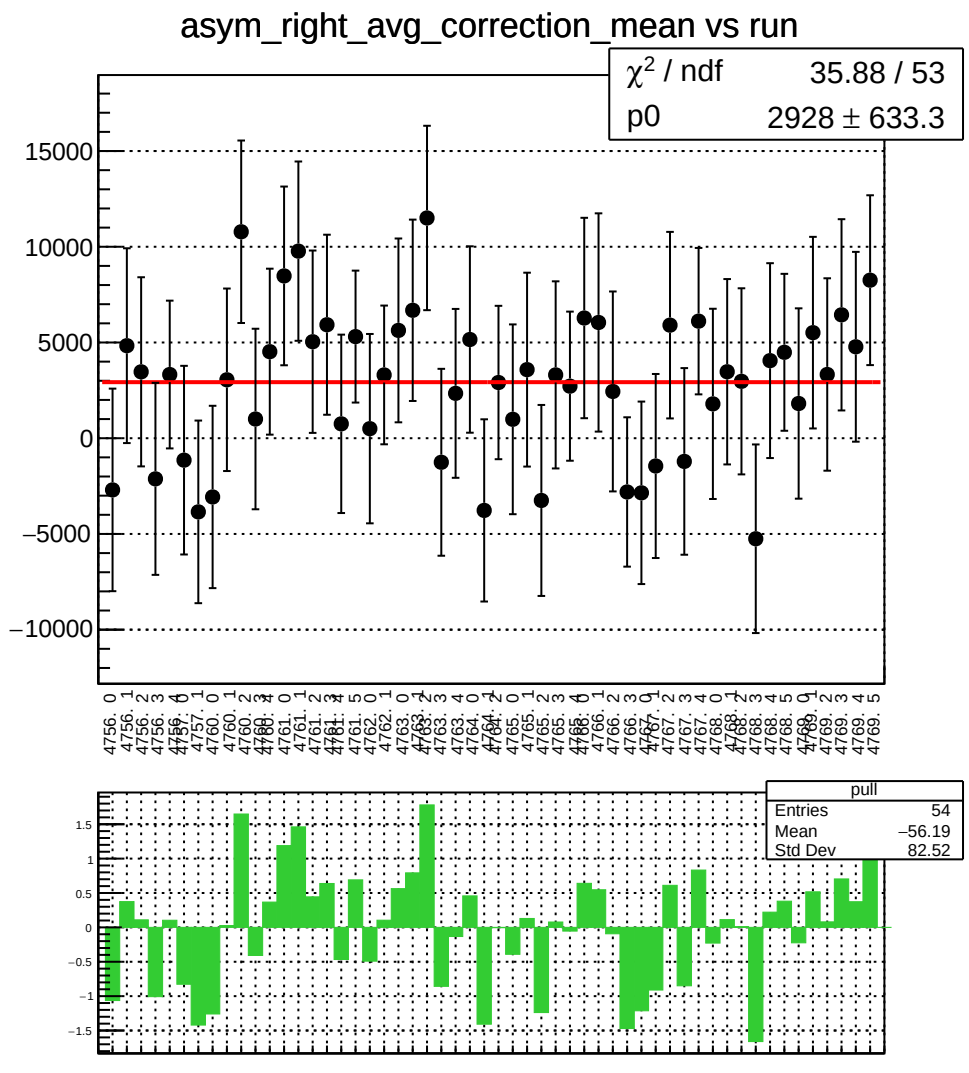

pull1D
Entries 54
Mean 0.02066
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

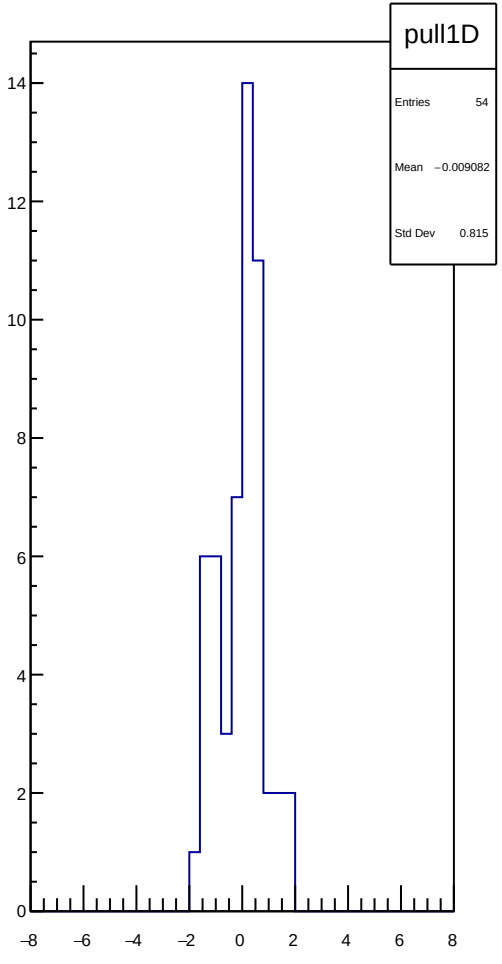

asym_left_dd_rms vs run
χ² / ndf 224.8 / 53
p0 30.12 ± 0.02895
32
31.5
31
30.5
30
29.5
29
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

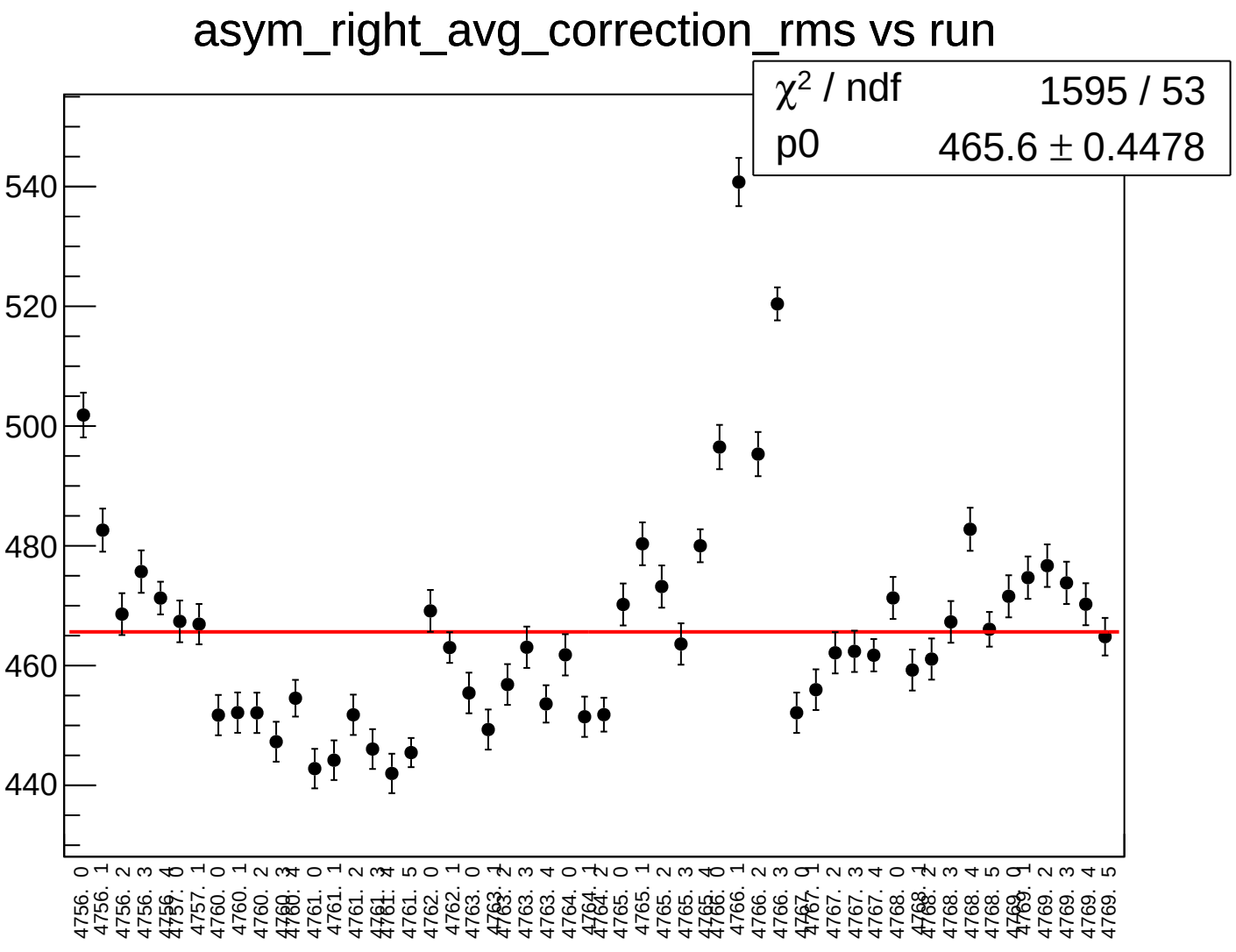

reg_asym_right_avg_mean vs run
χ² / ndf 59.08 / 53
p0 442.1 ± 176.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −37.55
Std Dev 89.23
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

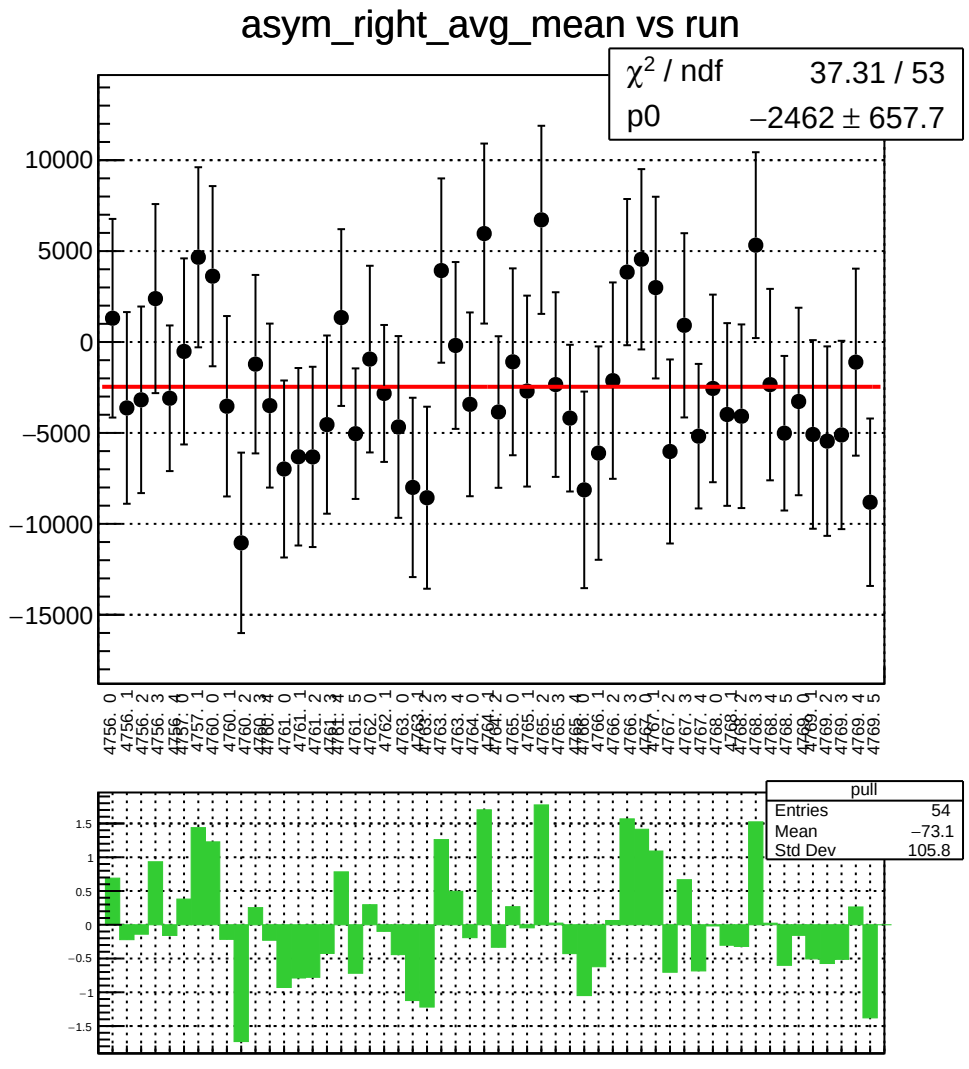

pull1D
Entries 54
Mean 0.01118
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

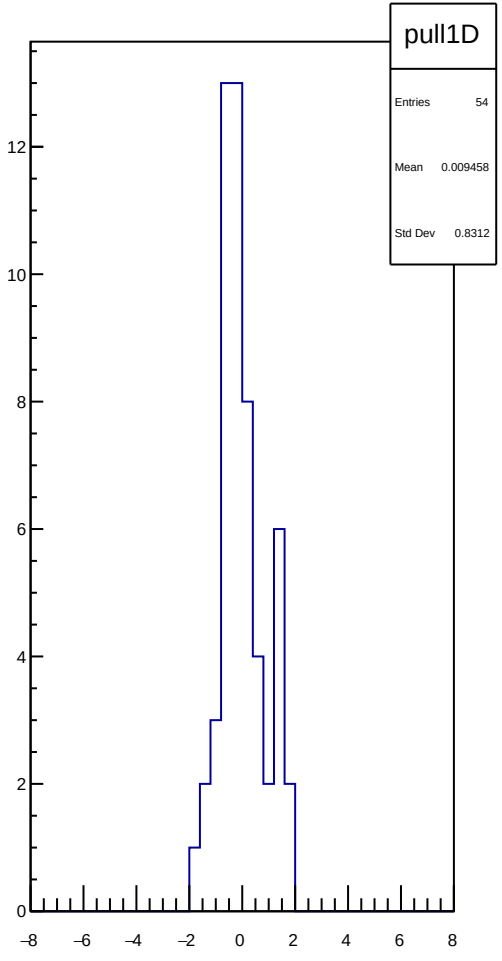

reg_asym_right_avg_rms vs run
χ^2 / ndf 59.53 / 53
p0 130.1 ± 0.125
133
132
131
130
129
128
127
126
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

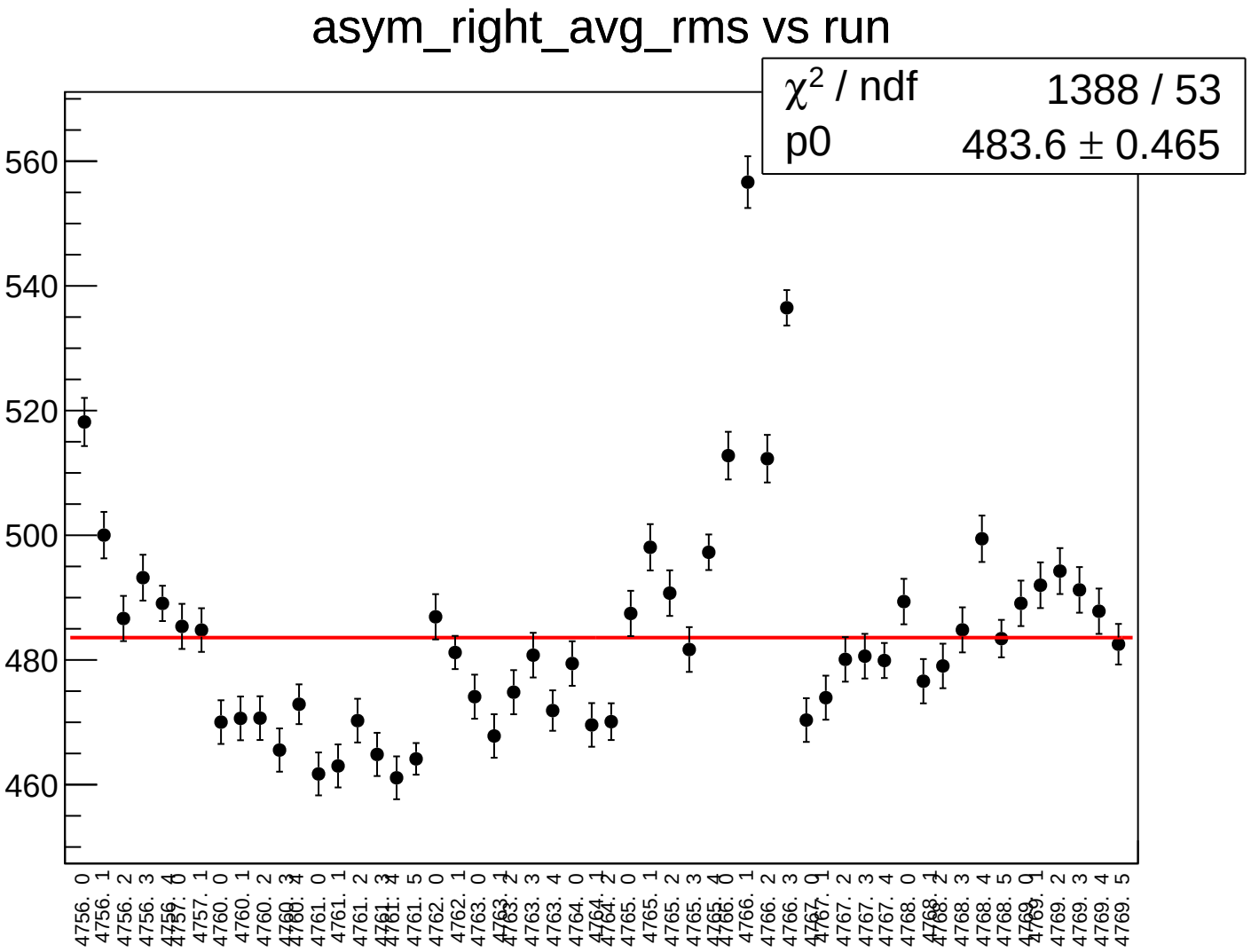

asym_right_avg_correction_mean vs run
χ² / ndf 35.88 / 53
p0 2928 ± 633.3
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −56.19
Std Dev 82.52
1.5
1
0.5
0
−0.5
−1
−1.5

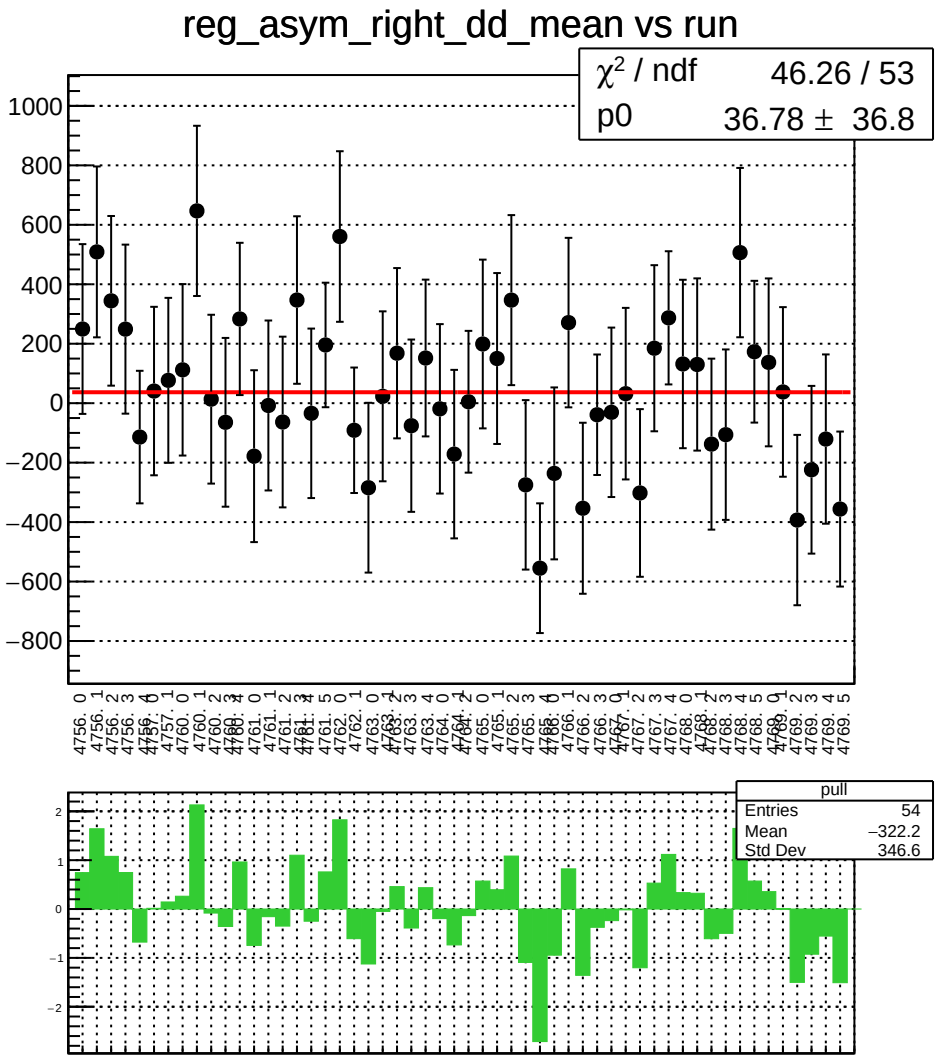

pull1D
Entries 54
Mean −0.009082
Std Dev 0.815
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

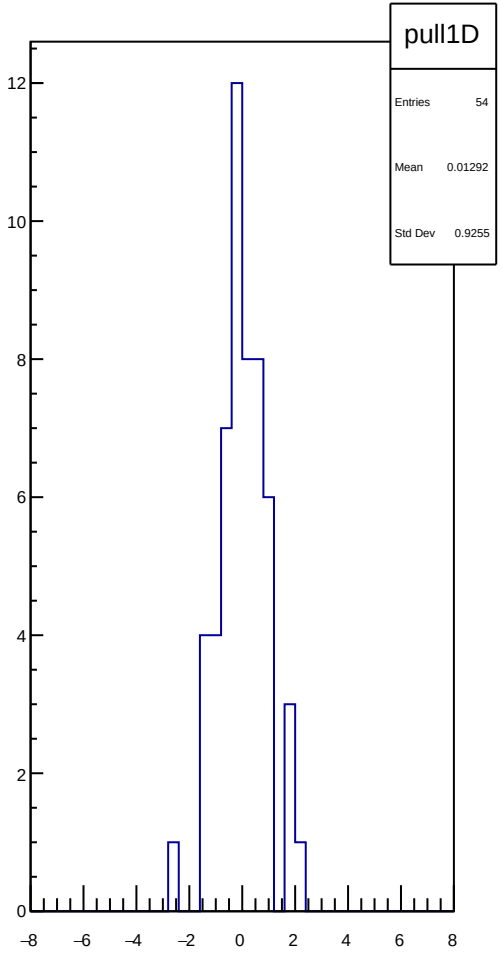

asym_right_avg_correction_rms vs run
χ² / ndf 1595 / 53
p0 465.6 ± 0.4478
540
520
500
480
460
440
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

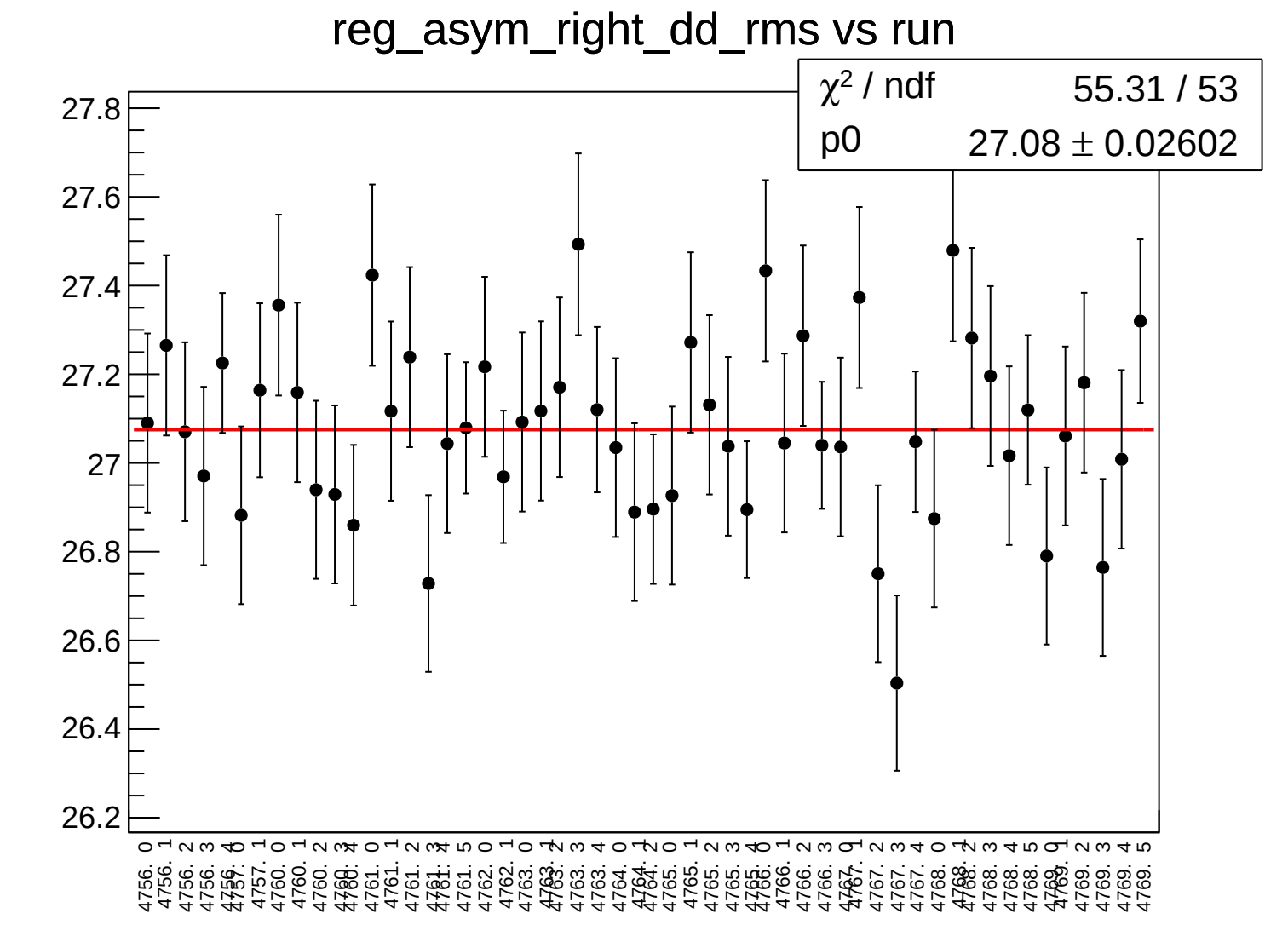

asym_right_avg_mean vs run
χ^2 / ndf 37.31 / 53
p0 −2462 ± 657.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −73.1
Std Dev 105.8
1.5
1
0.5
0
−0.5
−1
−1.5

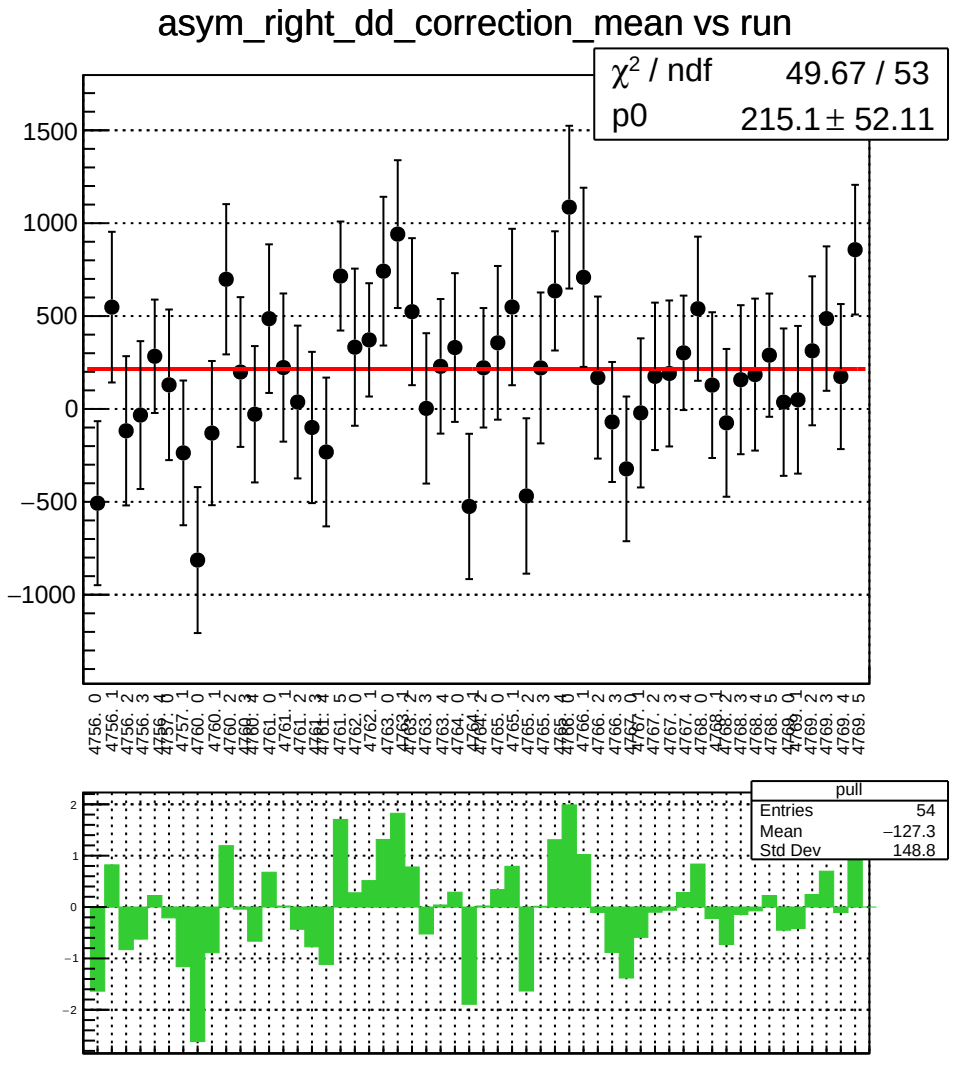

pull1D
Entries 54
Mean 0.009458
Std Dev 0.8312
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

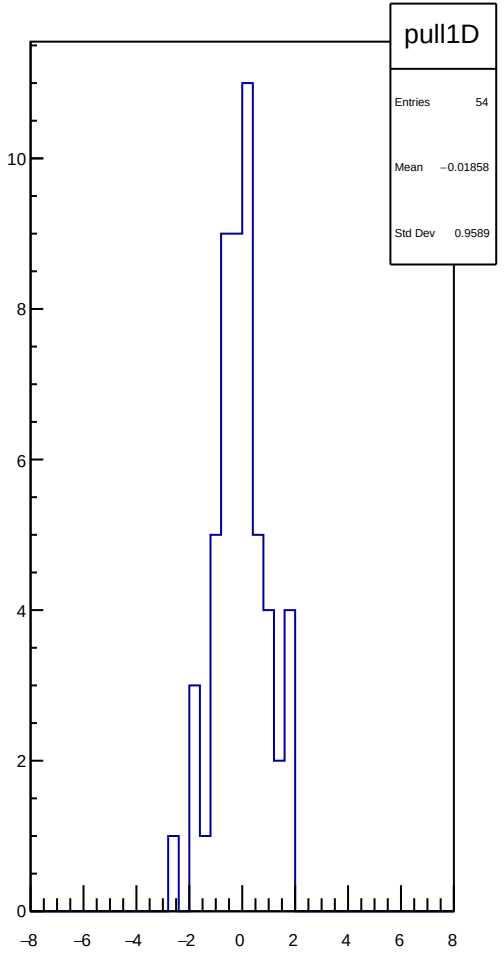

asym_right_avg_rms vs run
χ^2 / ndf 1388 / 53
p0 483.6 ± 0.465
560
540
520
500
480
460
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

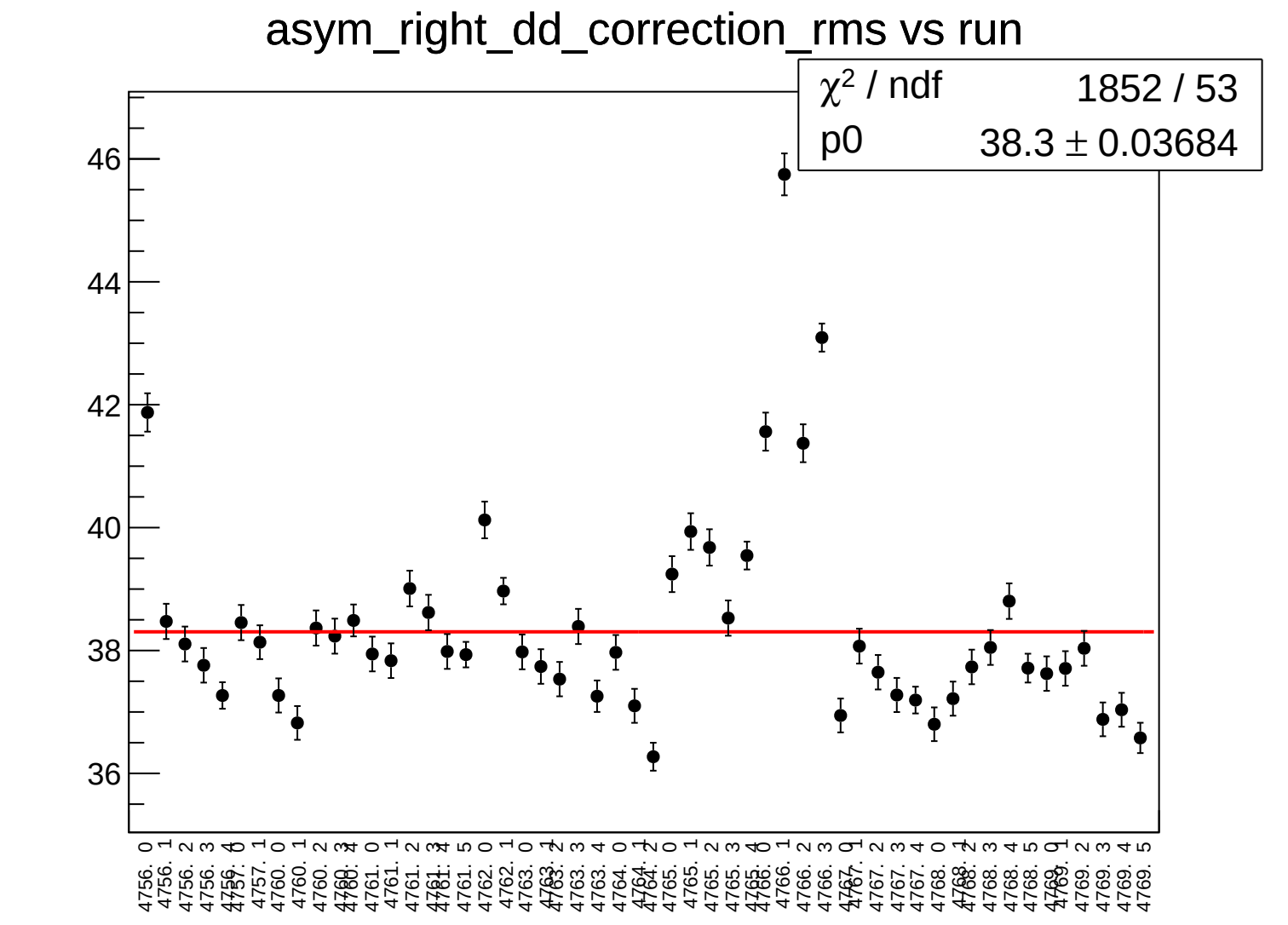

reg_asym_right_dd_mean vs run
χ² / ndf 46.26 / 53
p0 36.78 ± 36.8
pull
Entries 54
Mean −322.2
Std Dev 346.6

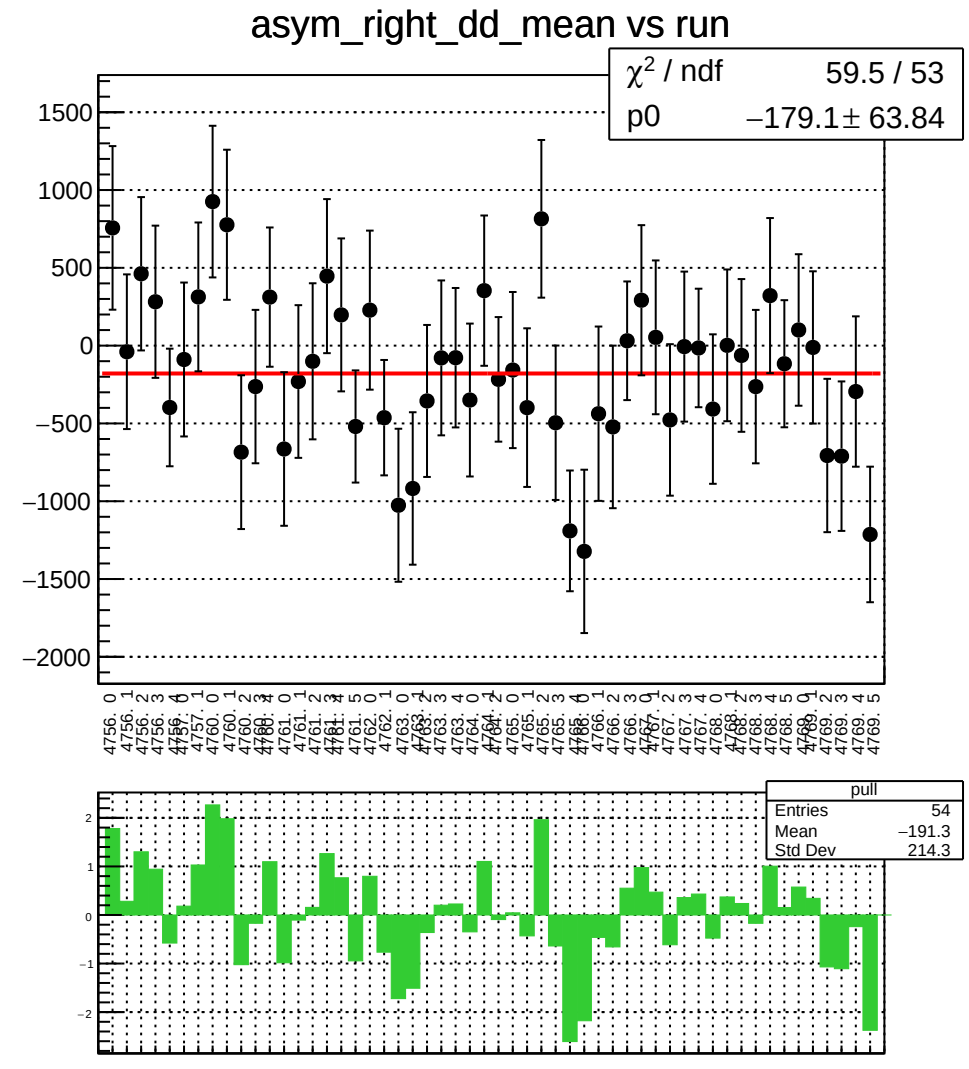

pull1D
Entries 54
Mean 0.01292
Std Dev 0.9255

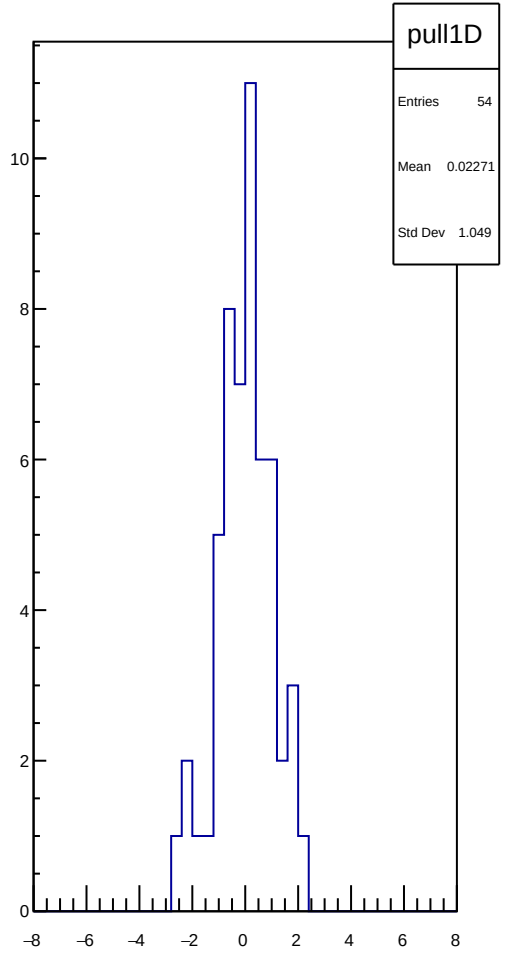

reg_asym_right_dd_rms vs run
χ² / ndf 55.31 / 53
p0 27.08 ± 0.02602
27.8
27.6
27.4
27.2
27
26.8
26.6
26.4
26.2
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

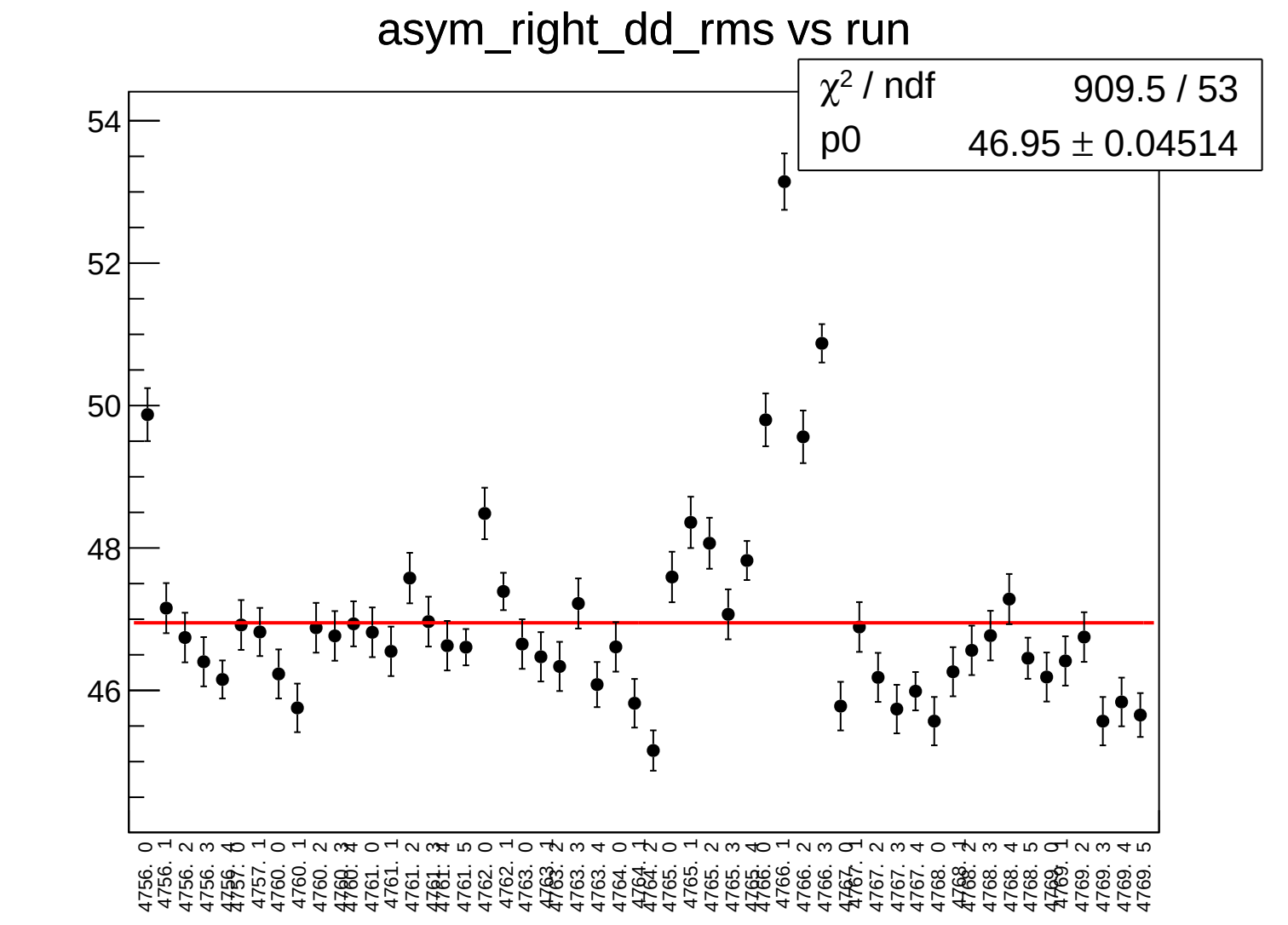

asym_right_dd_correction_mean vs run
χ² / ndf 49.67 / 53
p0 215.1 ± 52.11
pull
Entries 54
Mean −127.3
Std Dev 148.8

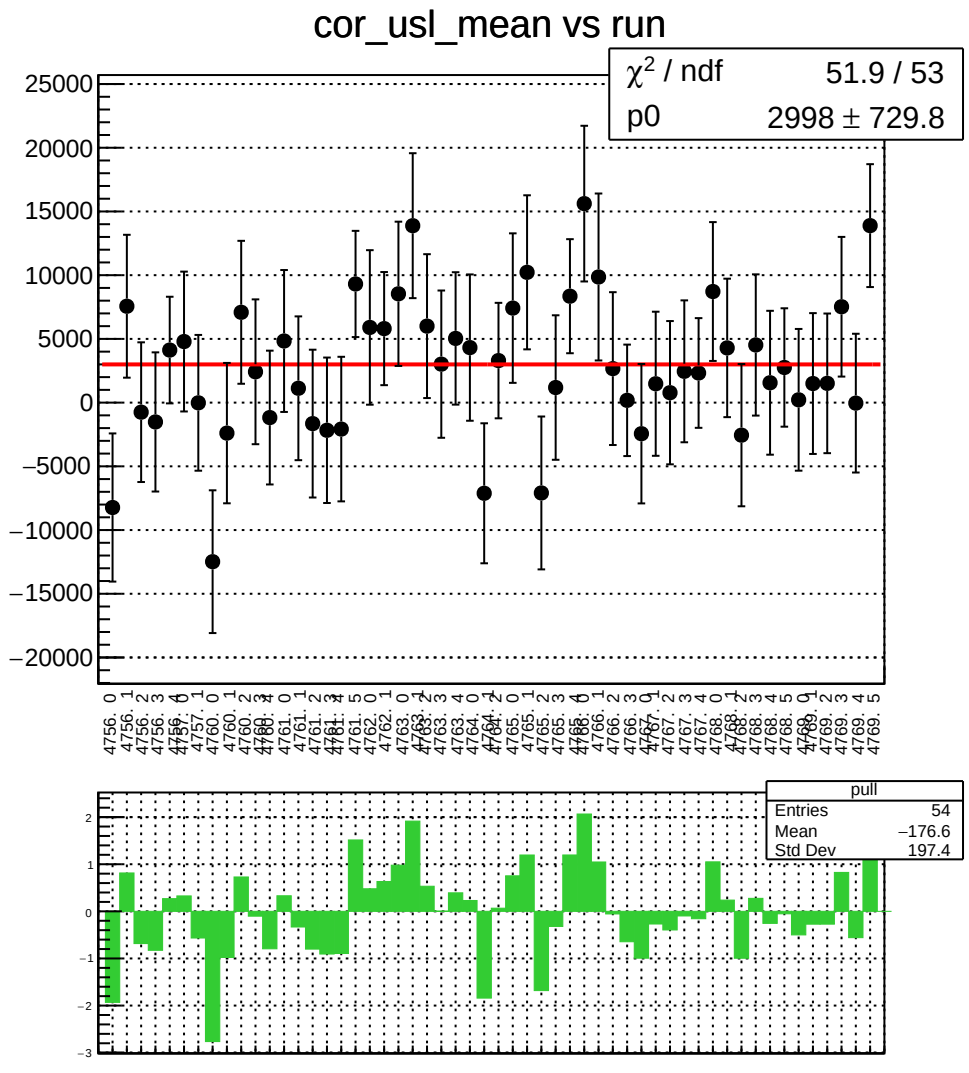

pull1D
Entries 54
Mean −0.01858
Std Dev 0.9589

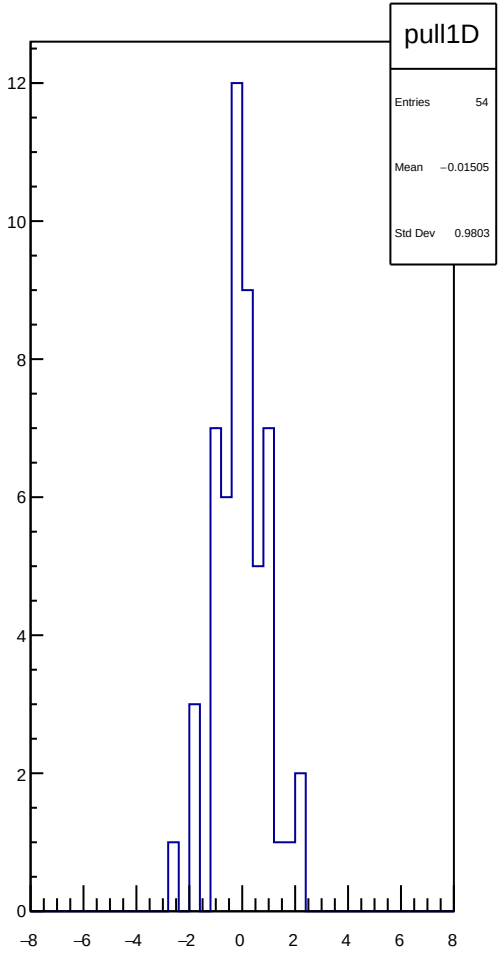

asym_right_dd_correction_rms vs run
χ² / ndf 1852 / 53
p0 38.3 ± 0.03684
46
44
42
40
38
36
4756. 0
4756. 1
4756. 2
4756. 3
4757. 1
4760. 0
4760. 1
4760. 2
4761. 0
4761. 1
4761. 2
4761. 5
4762. 0
4762. 1
4763. 0
4763. 3
4763. 4
4764. 0
4765. 0
4765. 1
4765. 2
4765. 3
4766. 1
4766. 2
4766. 3
4767. 2
4767. 3
4767. 4
4768. 0
4768. 3
4768. 4
4768. 5
4769. 2
4769. 3
4769. 4
4769. 5

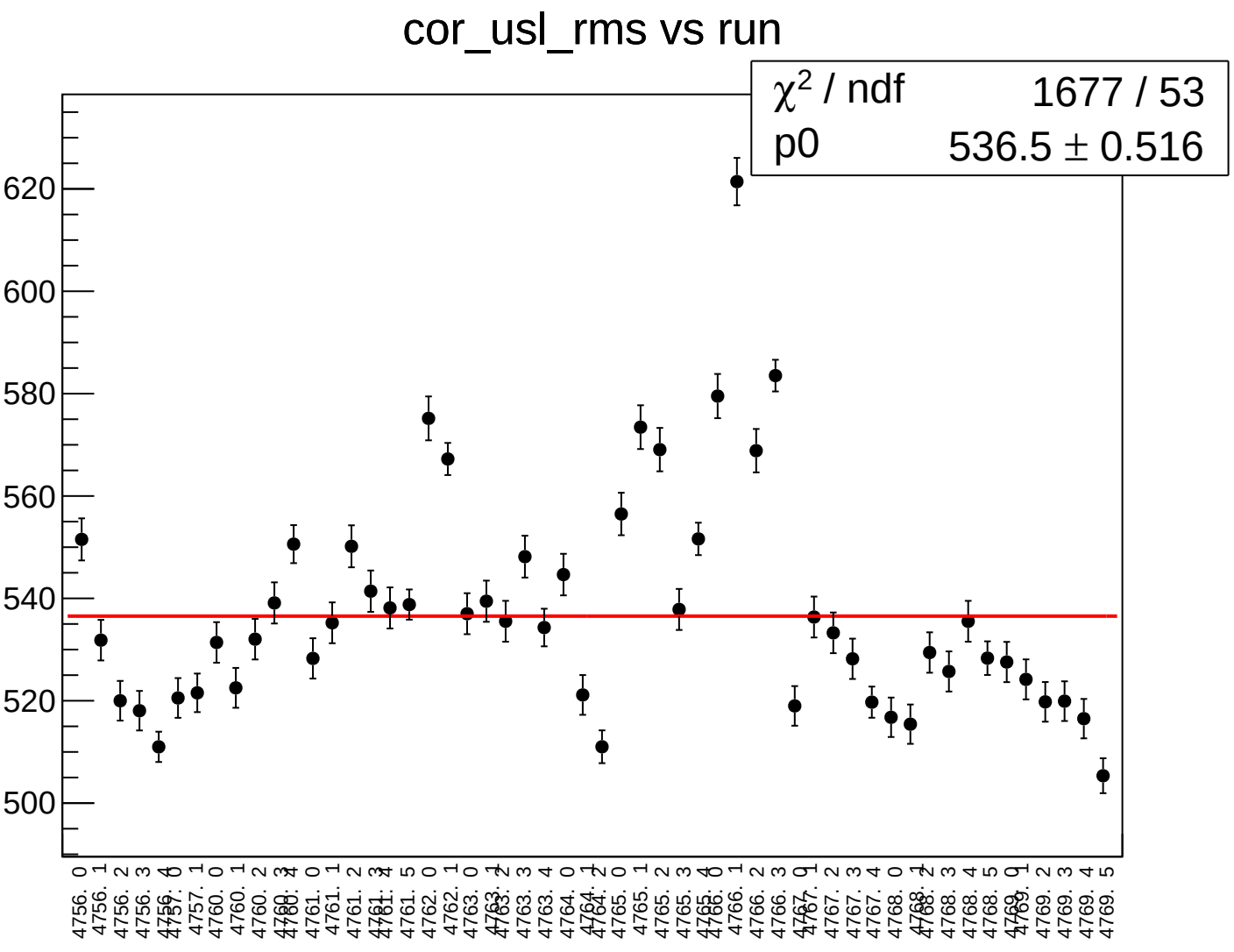

asym_right_dd_mean vs run
χ² / ndf 59.5 / 53
p0 −179.1± 63.84
pull
Entries 54
Mean −191.3
Std Dev 214.3

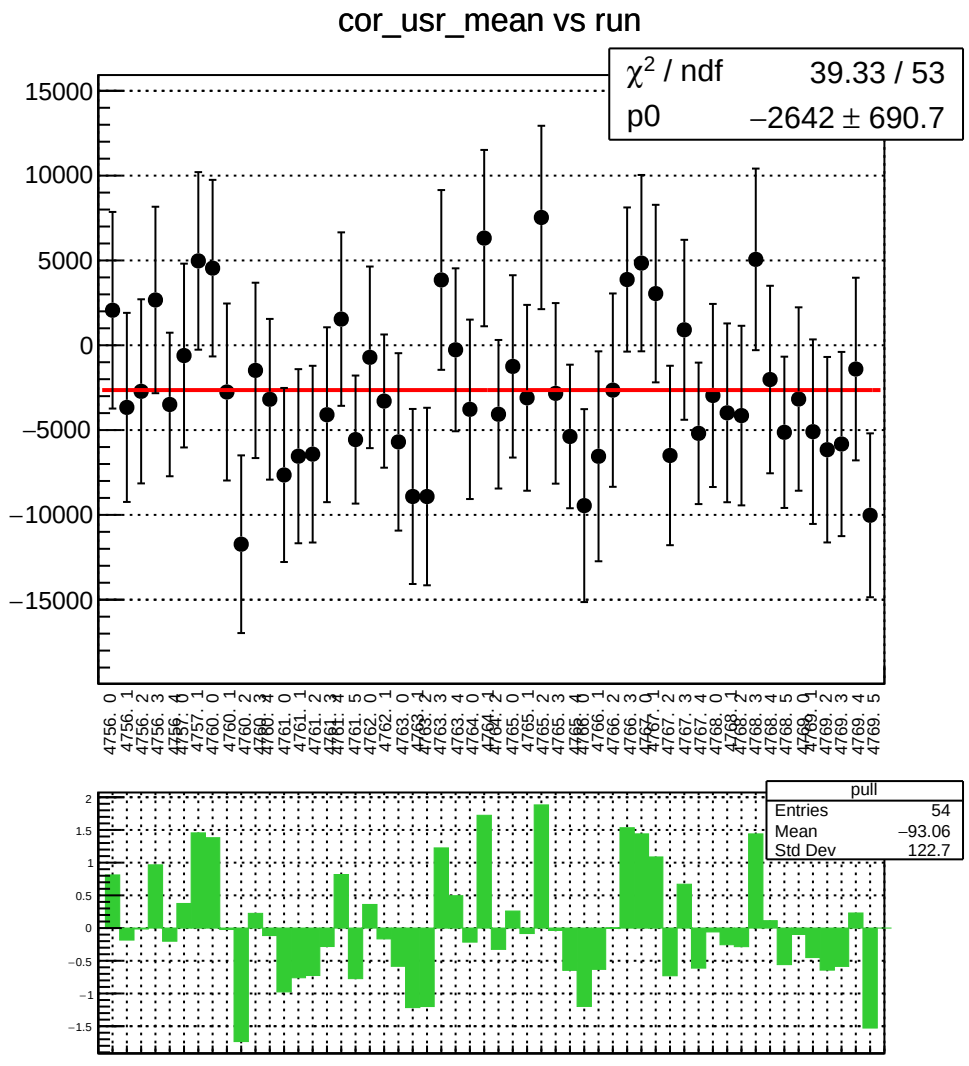

pull1D
Entries 54
Mean 0.02271
Std Dev 1.049

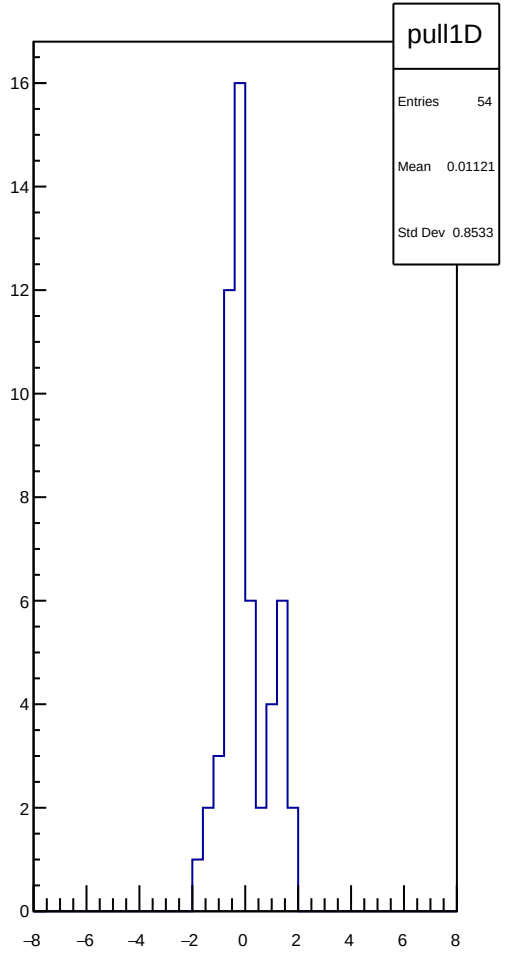

asym_right_dd_rms vs run
χ^2 / ndf 909.5 / 53
p0 46.95 ± 0.04514
54
52
50
48
46
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

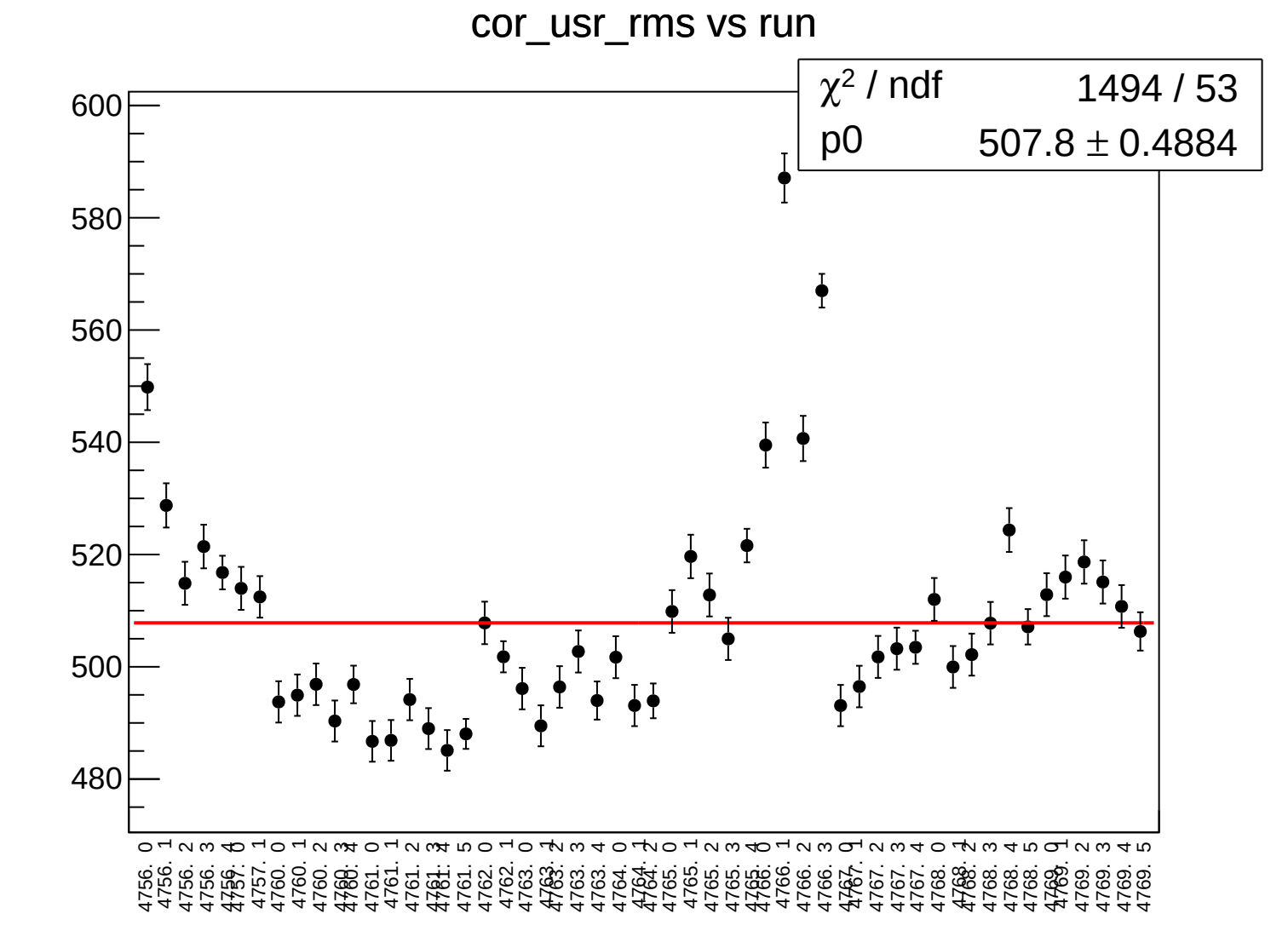

cor_usl_mean vs run
χ² / ndf 51.9 / 53
p0 2998 ± 729.8
pull
Entries 54
Mean −176.6
Std Dev 197.4

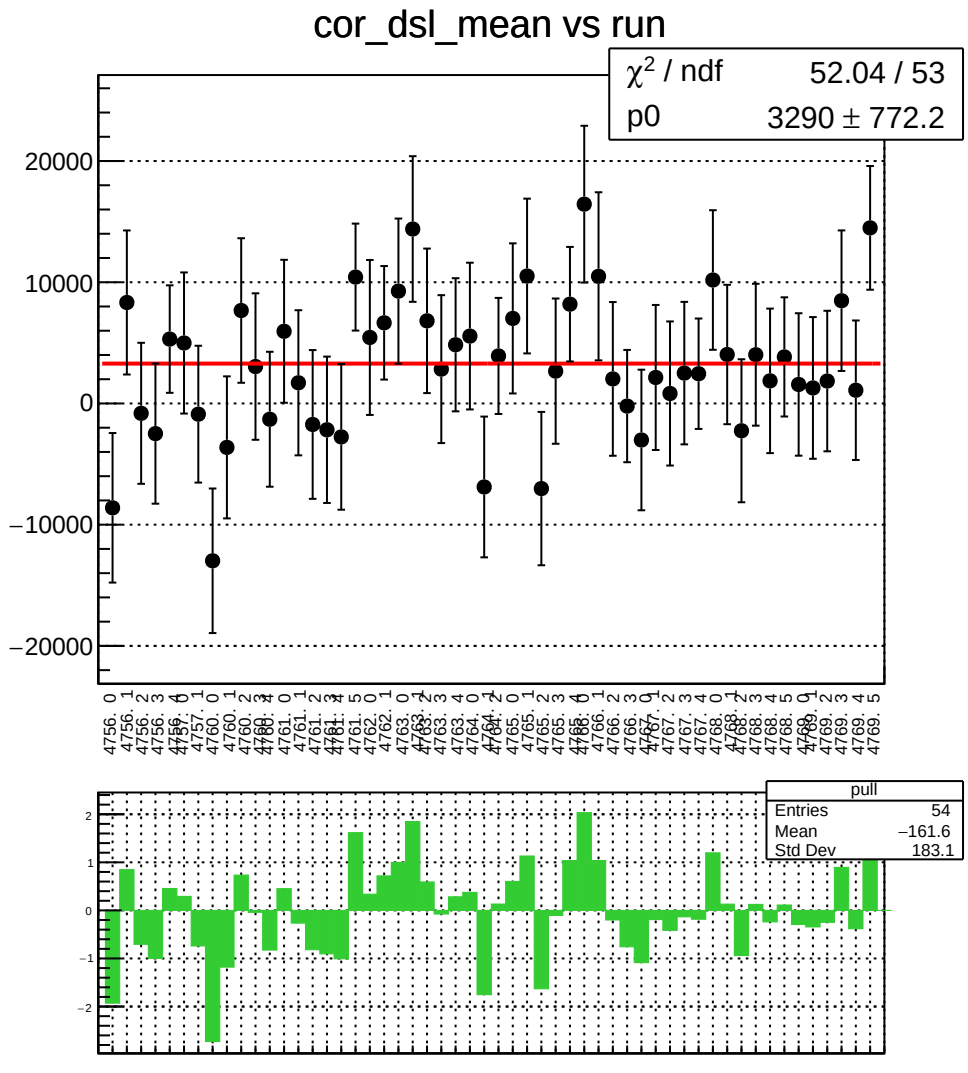

pull1D
Entries 54
Mean −0.01505
Std Dev 0.9803

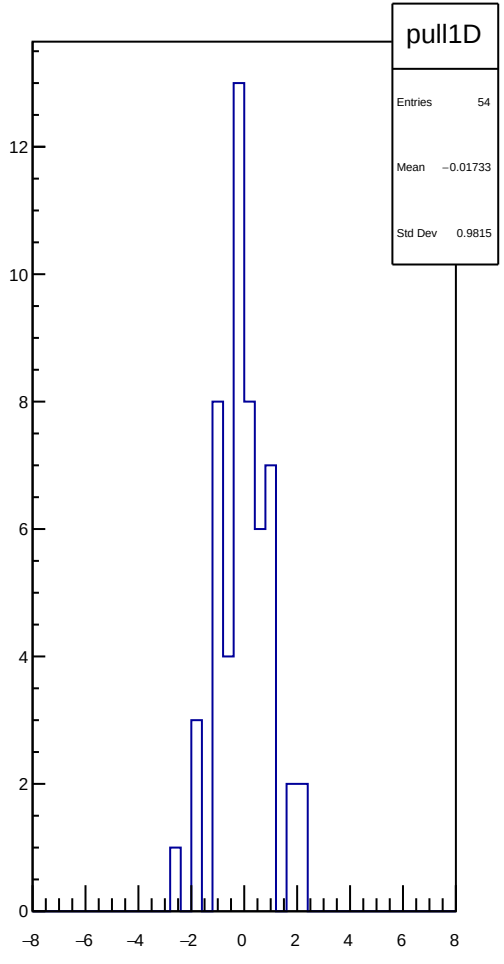

cor_usl_rms vs run
χ² / ndf 1677 / 53
p0 536.5 ± 0.516
620
600
580
560
540
520
500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

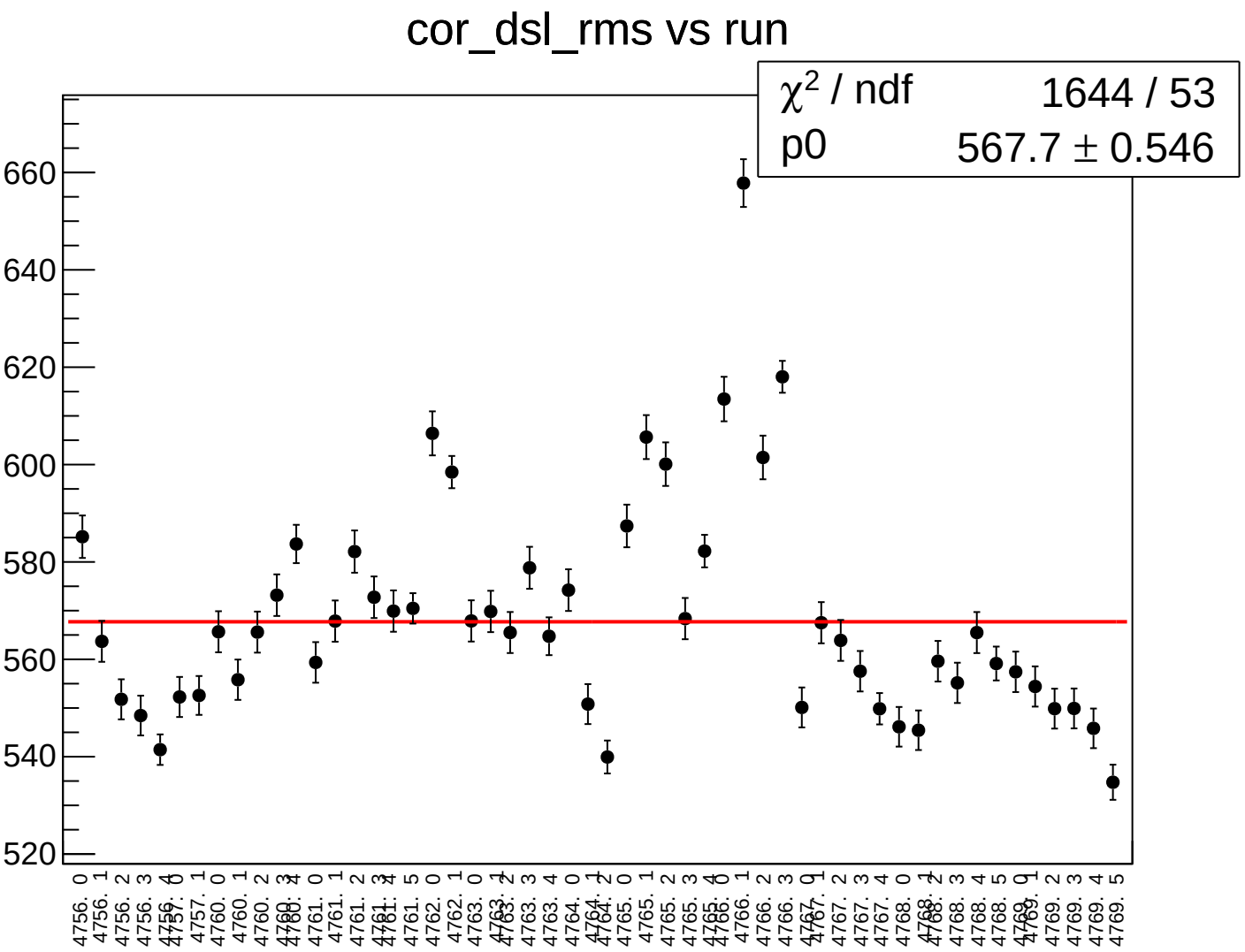

cor_usr_mean vs run
χ² / ndf 39.33 / 53
p0 −2642 ± 690.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −93.06
Std Dev 122.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

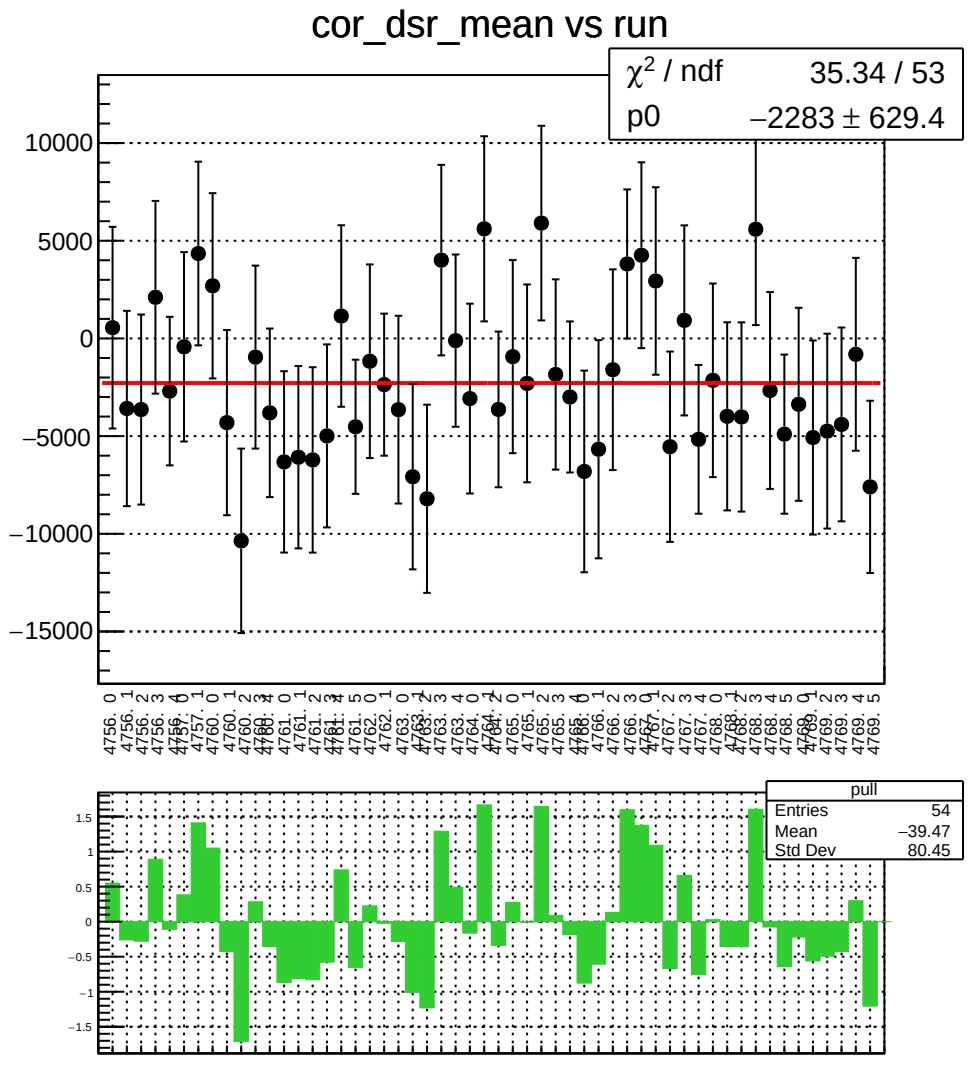

pull1D
Entries 54
Mean 0.01121
Std Dev 0.8533
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

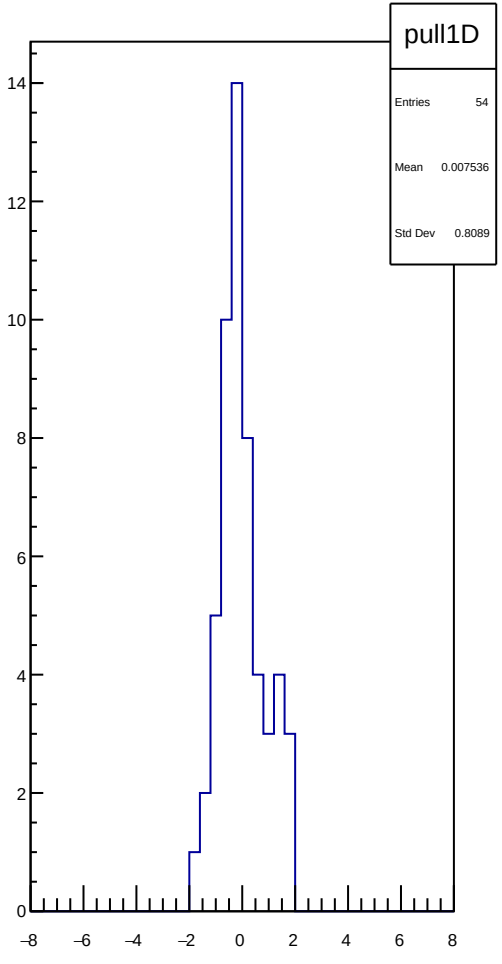

cor_usr_rms vs run
χ² / ndf 1494 / 53
p0 507.8 ± 0.4884
600
580
560
540
520
500
480
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

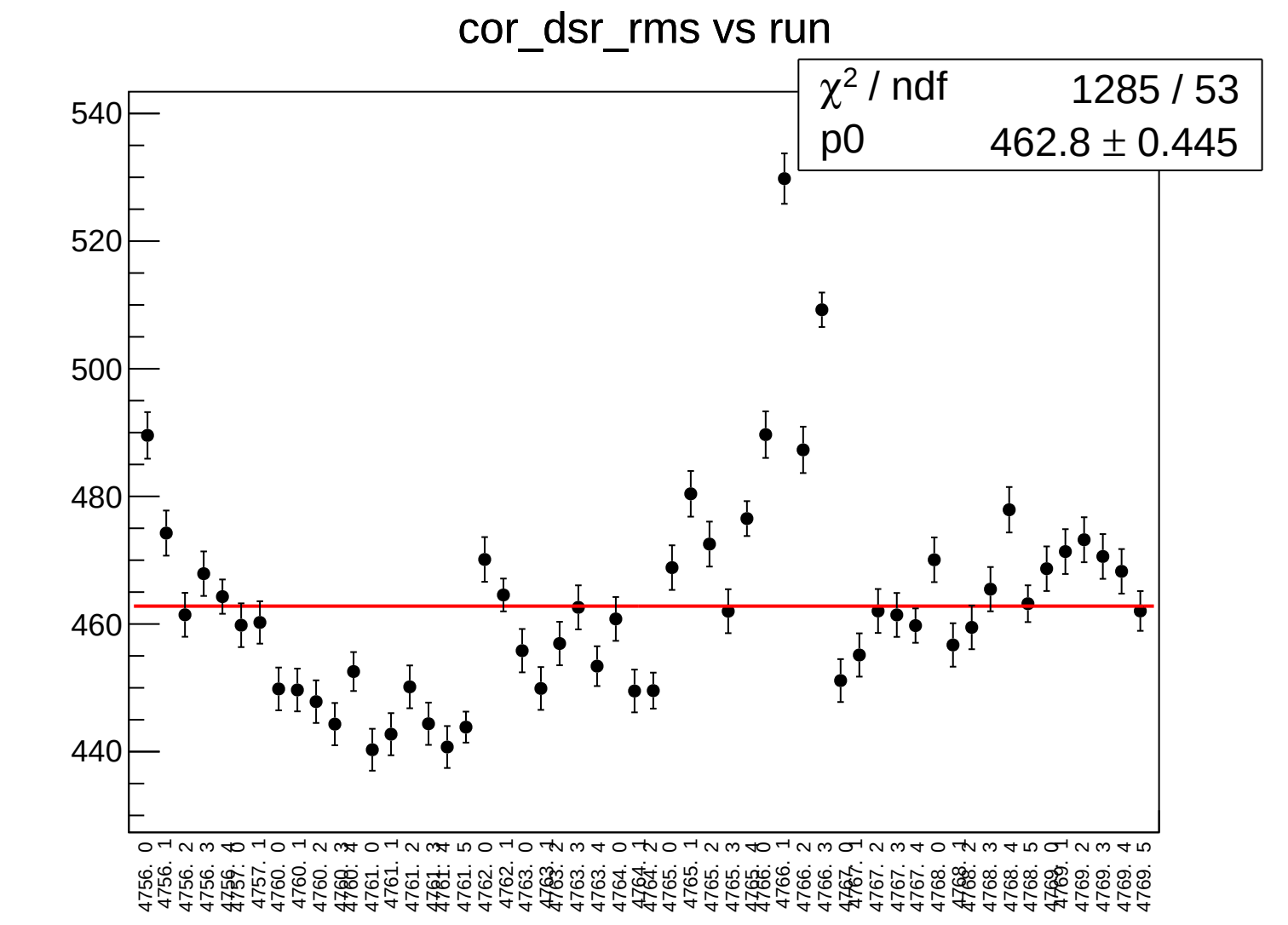

cor_dsl_mean vs run
χ² / ndf 52.04 / 53
p0 3290 ± 772.2
20000
10000
0
−10000
−20000
pull
Entries 54
Mean −161.6
Std Dev 183.1
2
1
0
−1
−2

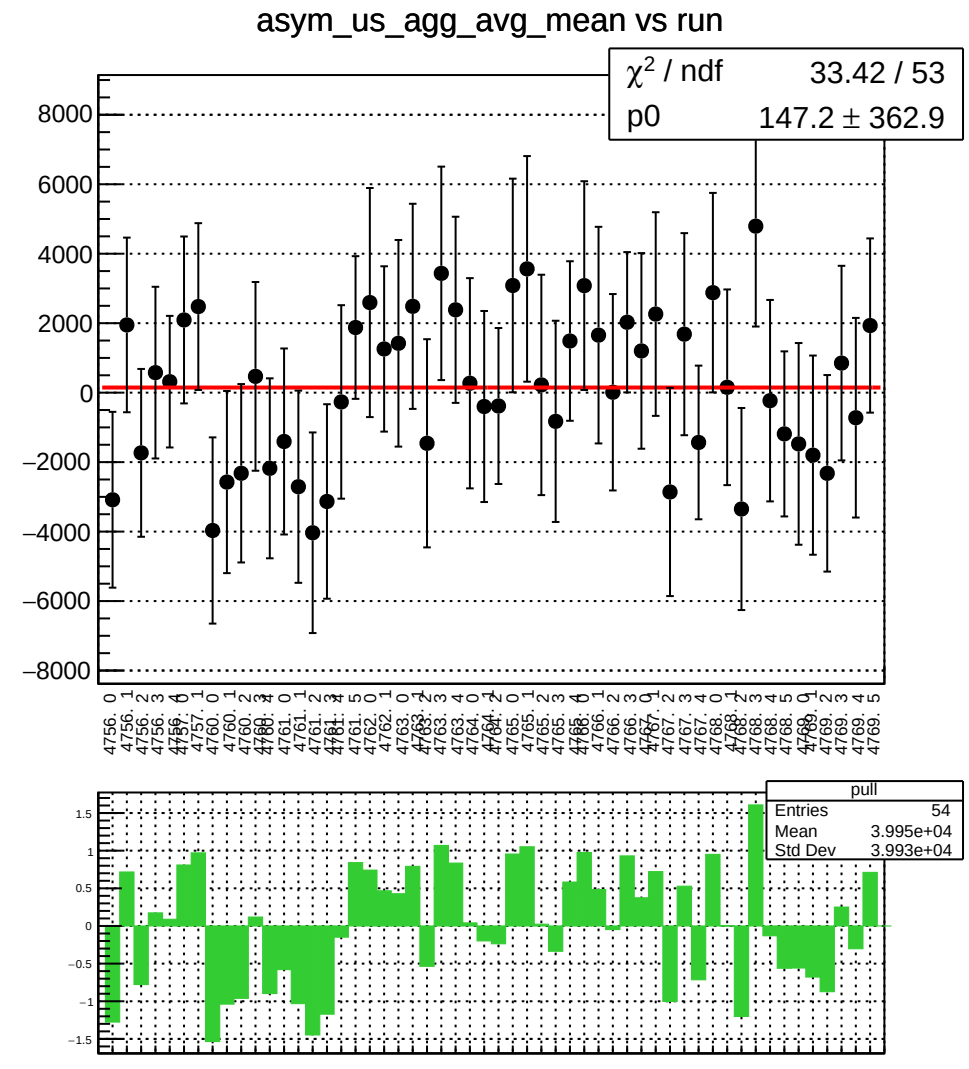

pull1D
Entries 54
Mean −0.01733
Std Dev 0.9815
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

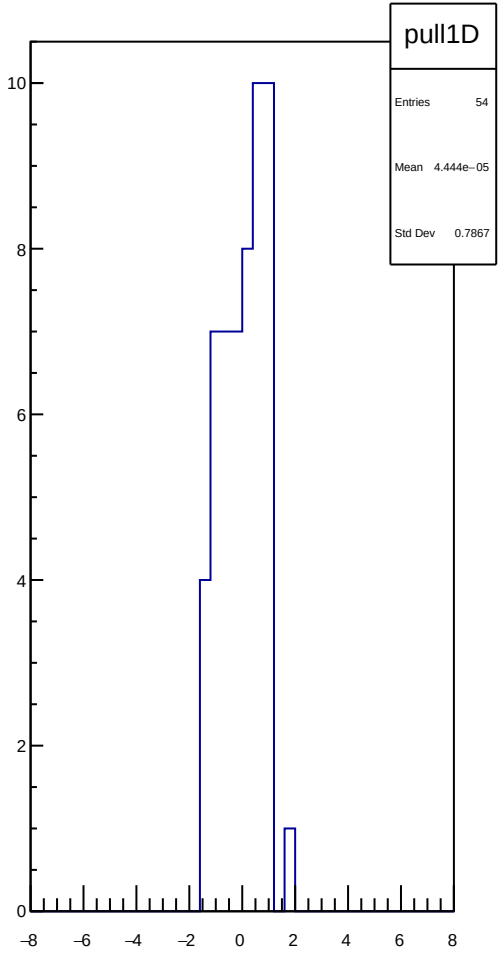

cor_dsl_rms vs run
χ² / ndf 1644 / 53
p0 567.7 ± 0.546
660
640
620
600
580
560
540
520
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

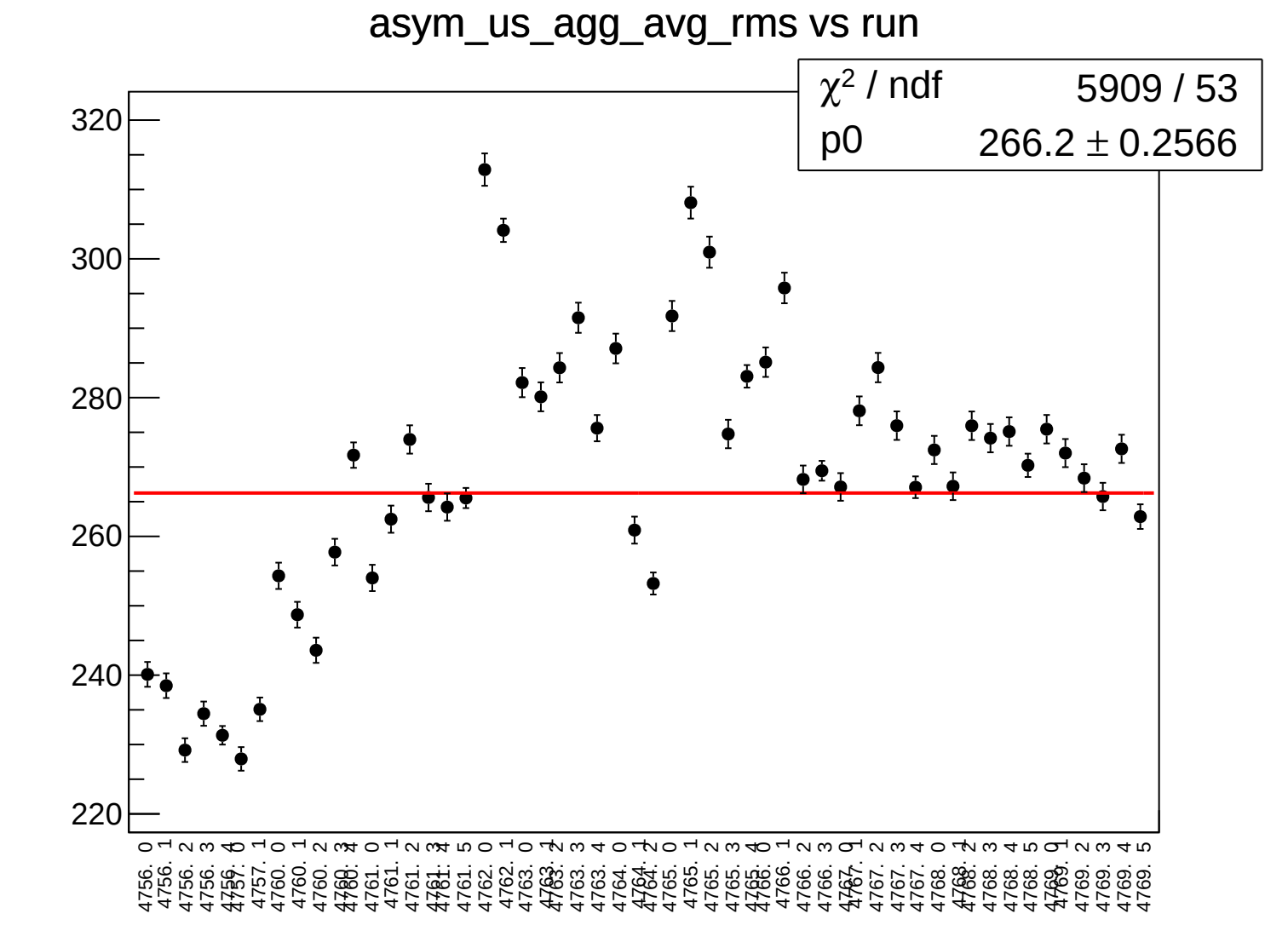

cor_dsr_mean vs run
χ² / ndf 35.34 / 53
p0 −2283 ± 629.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −39.47
Std Dev 80.45
1.5
1
0.5
0
−0.5
−1
−1.5

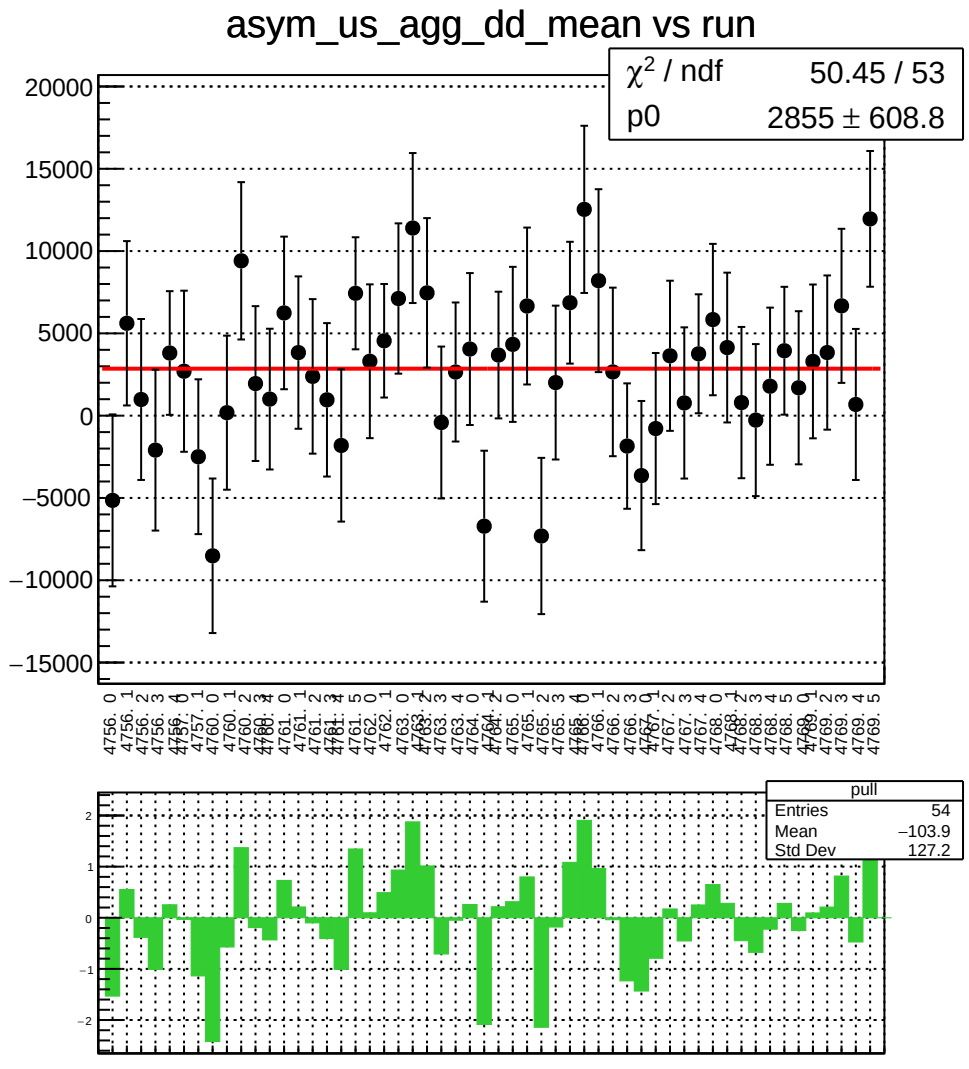

pull1D
Entries 54
Mean 0.007536
Std Dev 0.8089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

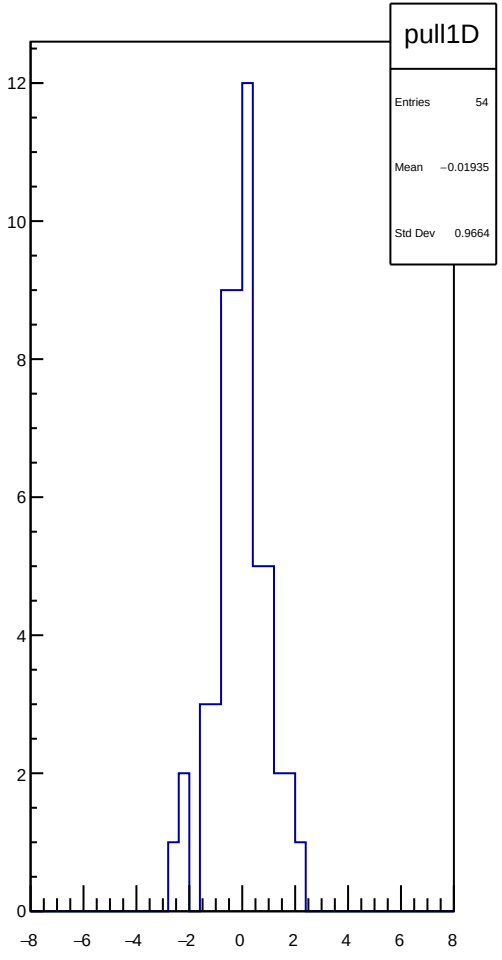

cor_dsr_rms vs run
χ^2 / ndf 1285 / 53
p0 462.8 ± 0.445
540
520
500
480
460
440
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

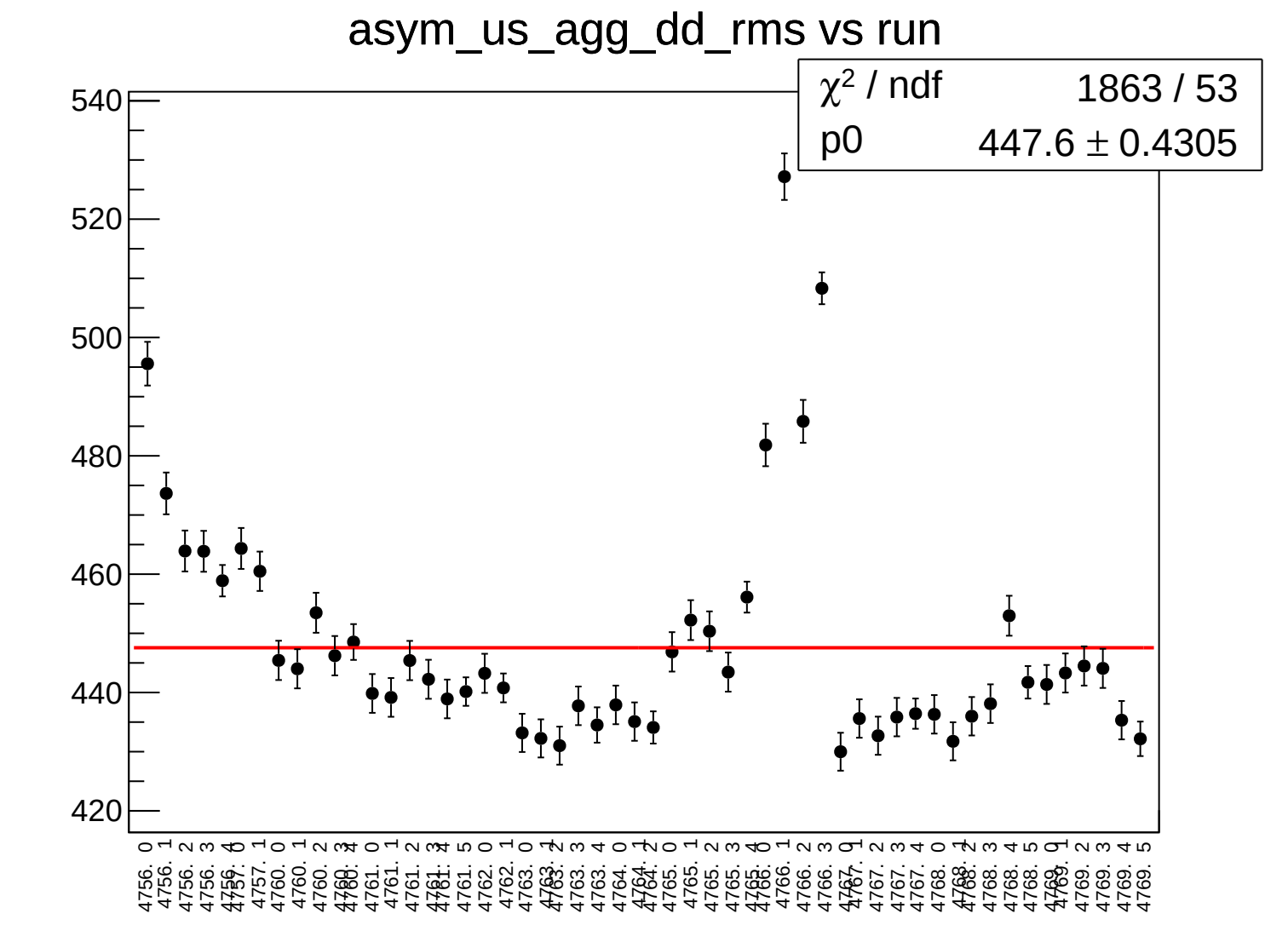

asym_us_agg_avg_mean vs run
χ² / ndf 33.42 / 53
p0 147.2 ± 362.9
pull
Entries 54
Mean 3.995e+04
Std Dev 3.993e+04

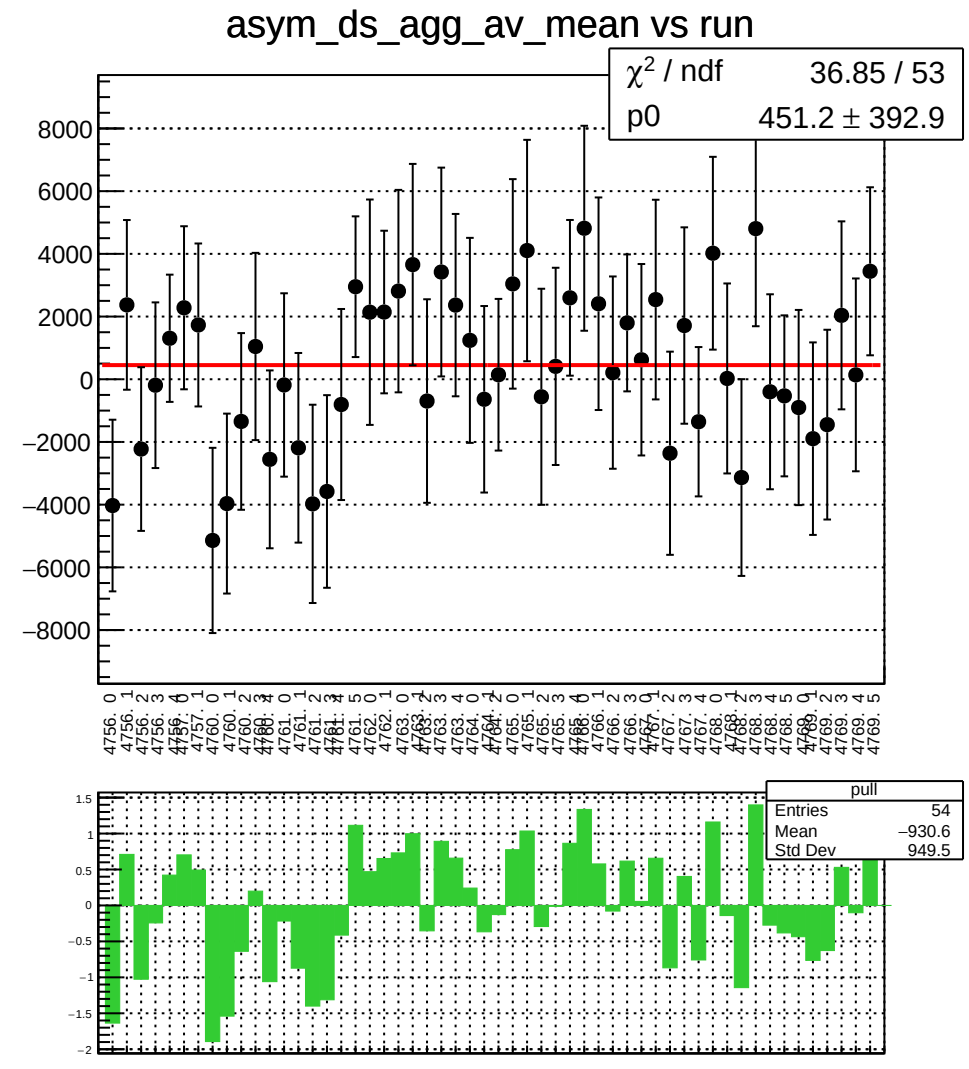

pull1D
Entries 54
Mean 4.444e−05
Std Dev 0.7867

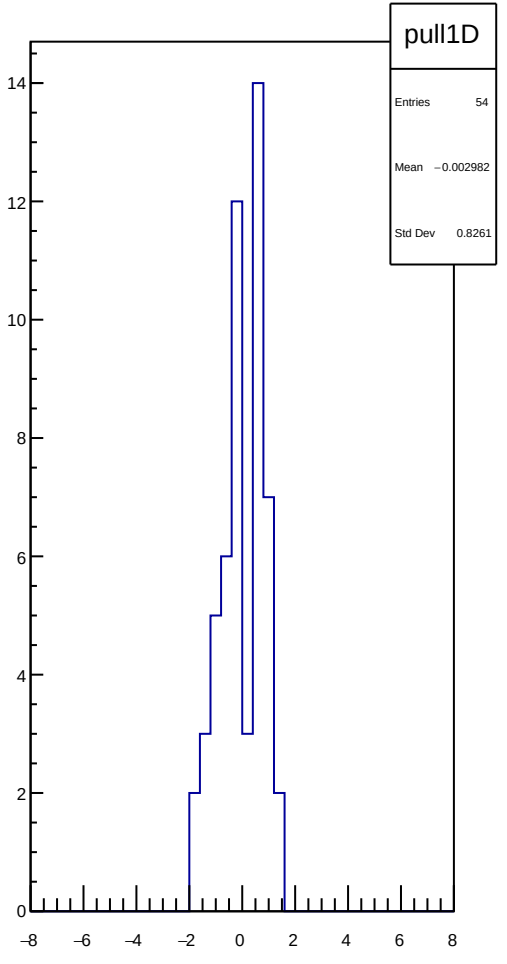

asym_us_agg_avg_rms vs run
χ² / ndf 5909 / 53
p0 266.2 ± 0.2566
320
300
280
260
240
220
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

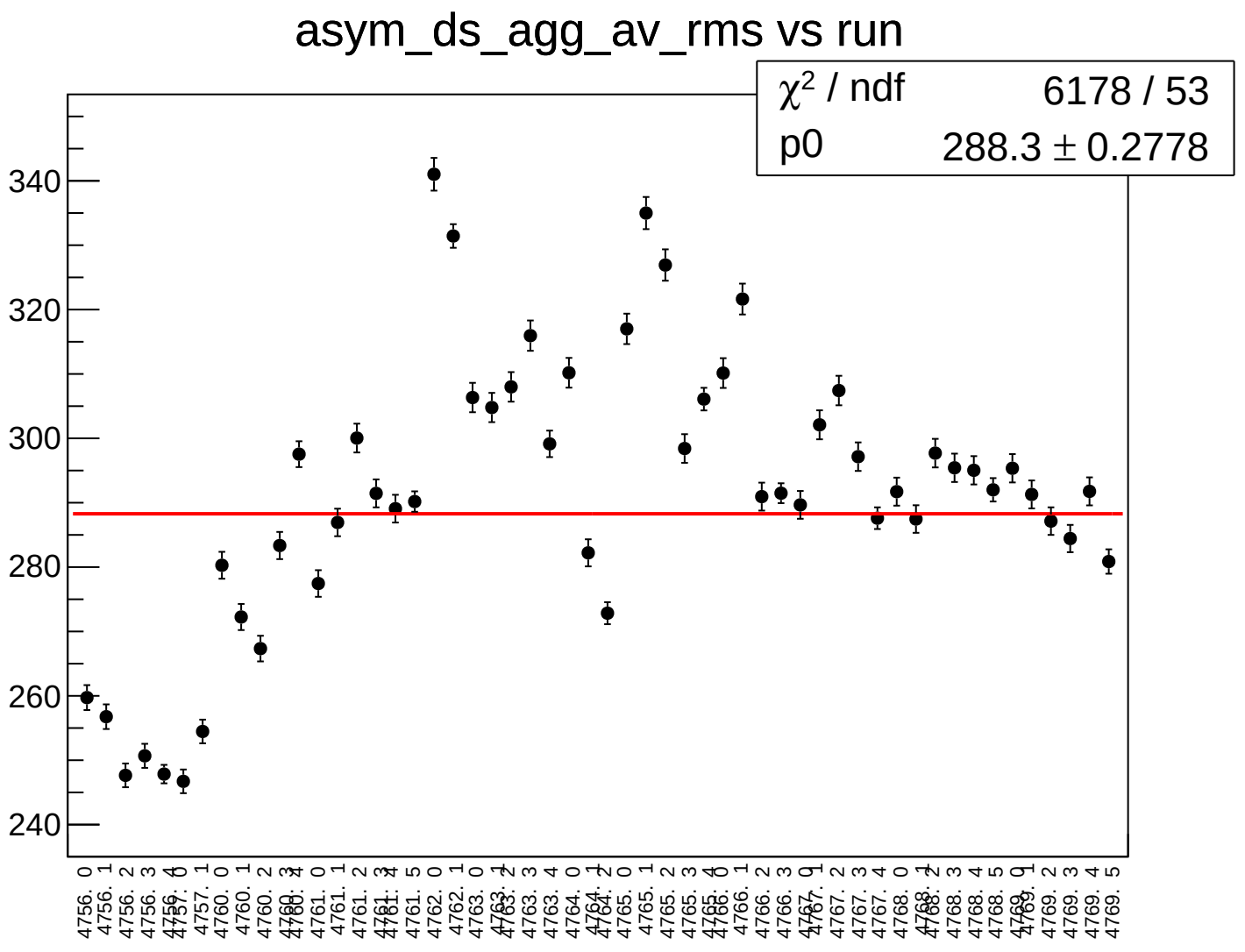

asym_us_agg_dd_mean vs run
χ² / ndf 50.45 / 53
p0 2855 ± 608.8
pull
Entries 54
Mean −103.9
Std Dev 127.2

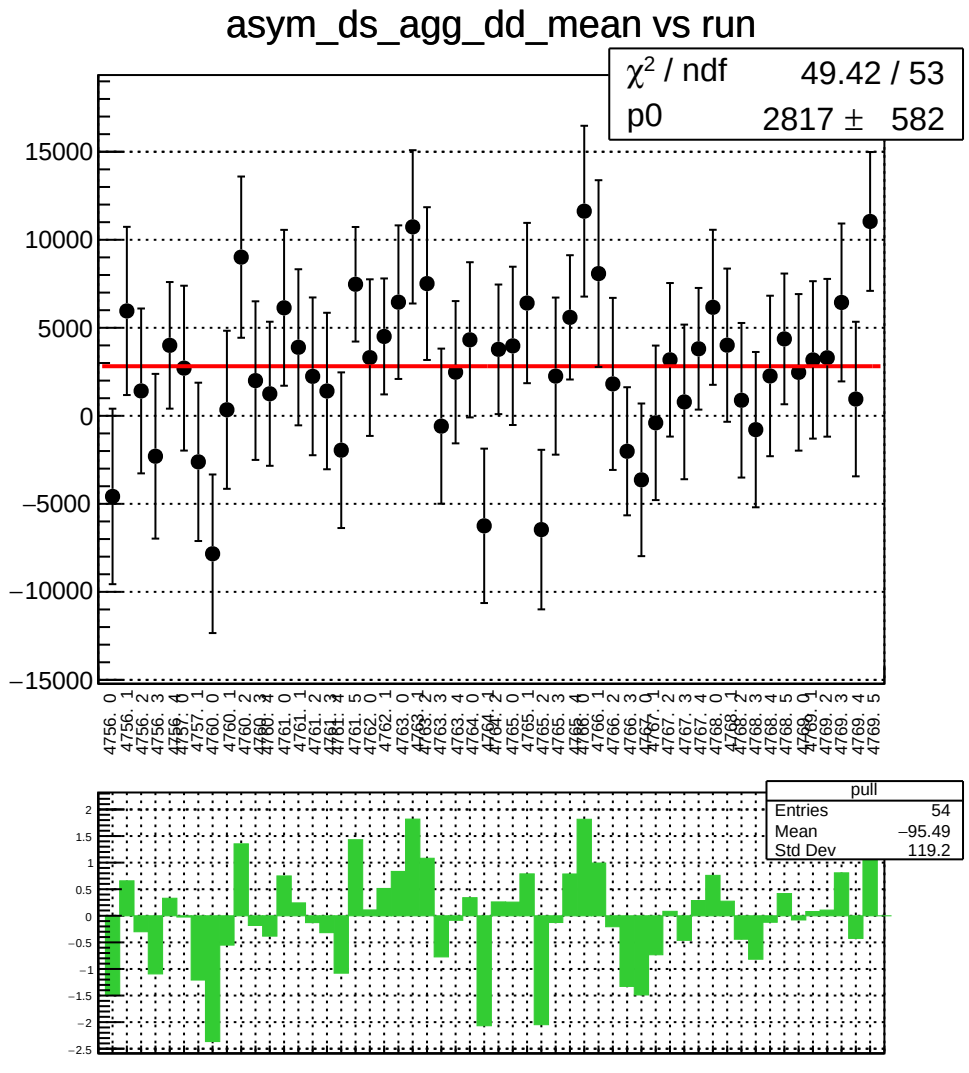

pull1D
Entries 54
Mean −0.01935
Std Dev 0.9664

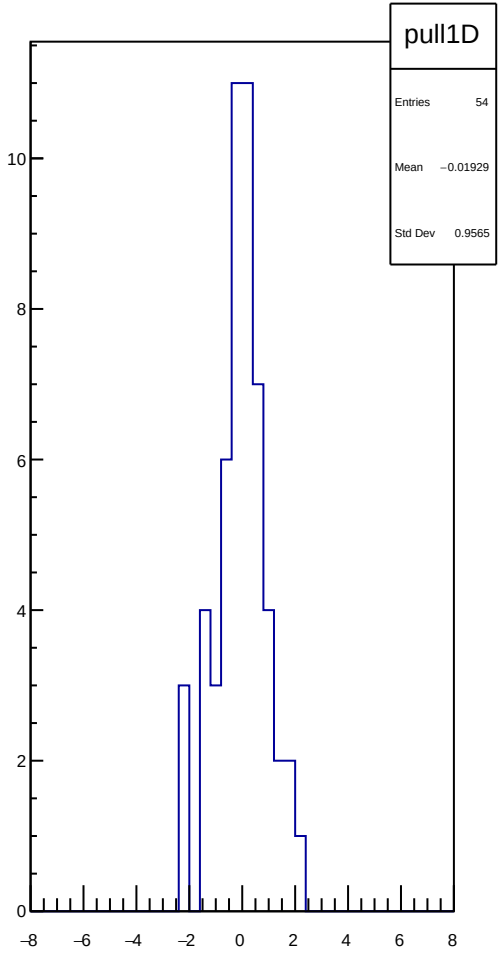

asym_us_agg_dd_rms vs run
χ² / ndf 1863 / 53
p0 447.6 ± 0.4305
540
520
500
480
460
440
420
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

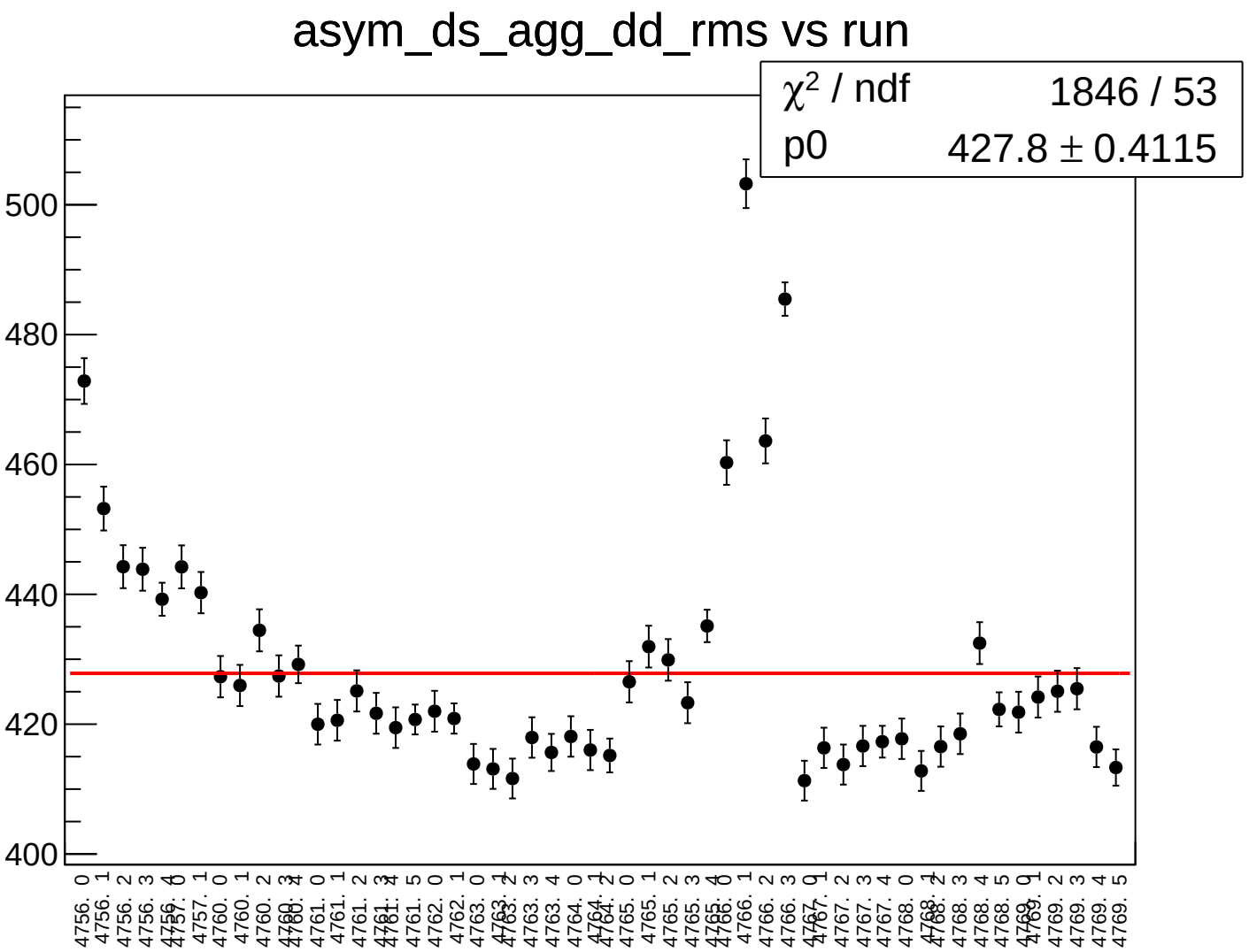

asym_ds_agg_av_mean vs run
χ² / ndf 36.85 / 53
p0 451.2 ± 392.9
pull
Entries 54
Mean −930.6
Std Dev 949.5


pull1D
Entries 54
Mean −0.002982
Std Dev 0.8261


asym_ds_agg_av_rms vs run
χ² / ndf 6178 / 53
p0 288.3 ± 0.2778
340
320
300
280
260
240
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_ds_agg_dd_mean vs run
χ² / ndf 49.42 / 53
p0 2817 ± 582
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −95.49
Std Dev 119.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean −0.01929
Std Dev 0.9565
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_ds_agg_dd_rms vs run
χ² / ndf 1846 / 53
p0 427.8 ± 0.4115
500
480
460
440
420
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
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4763. 2
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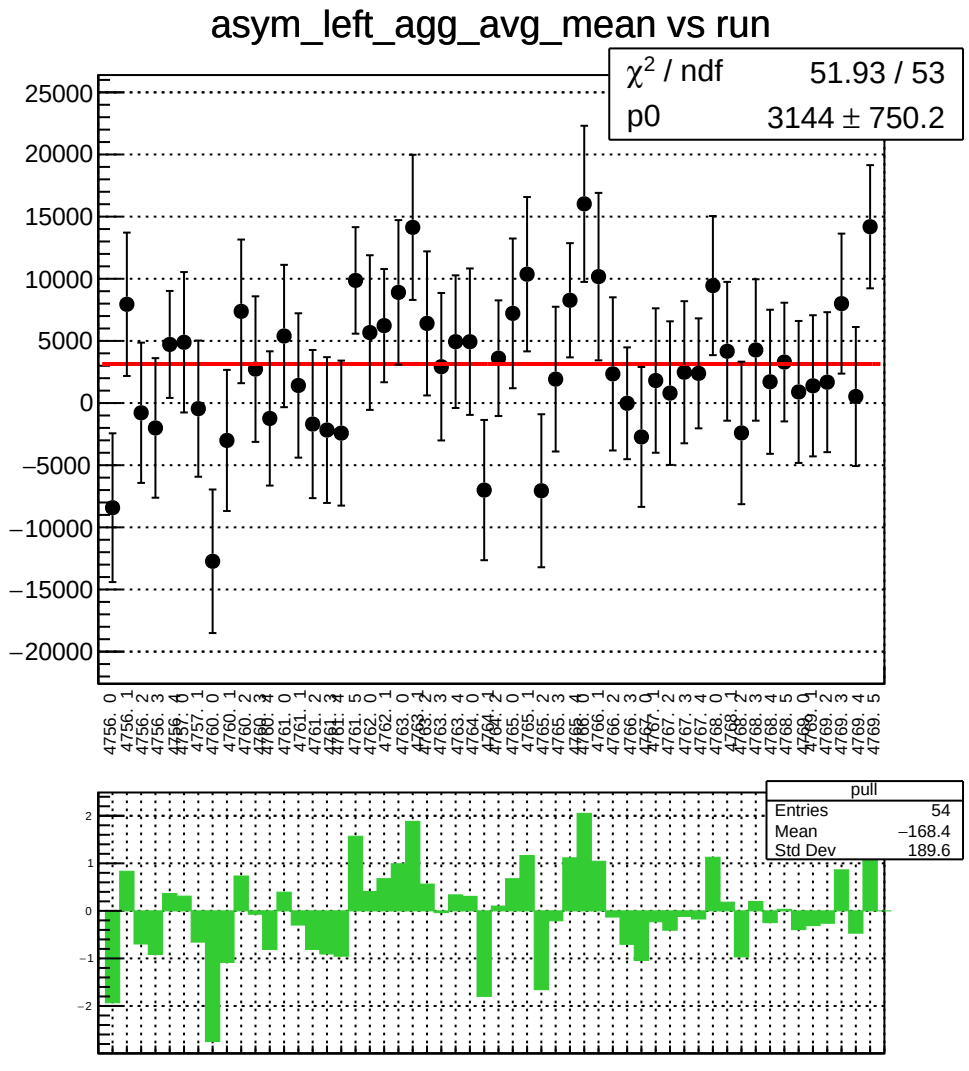
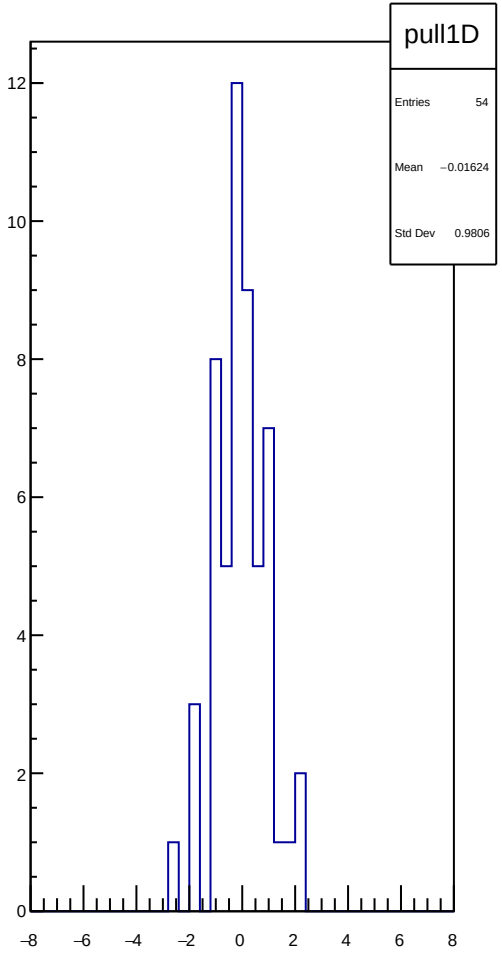
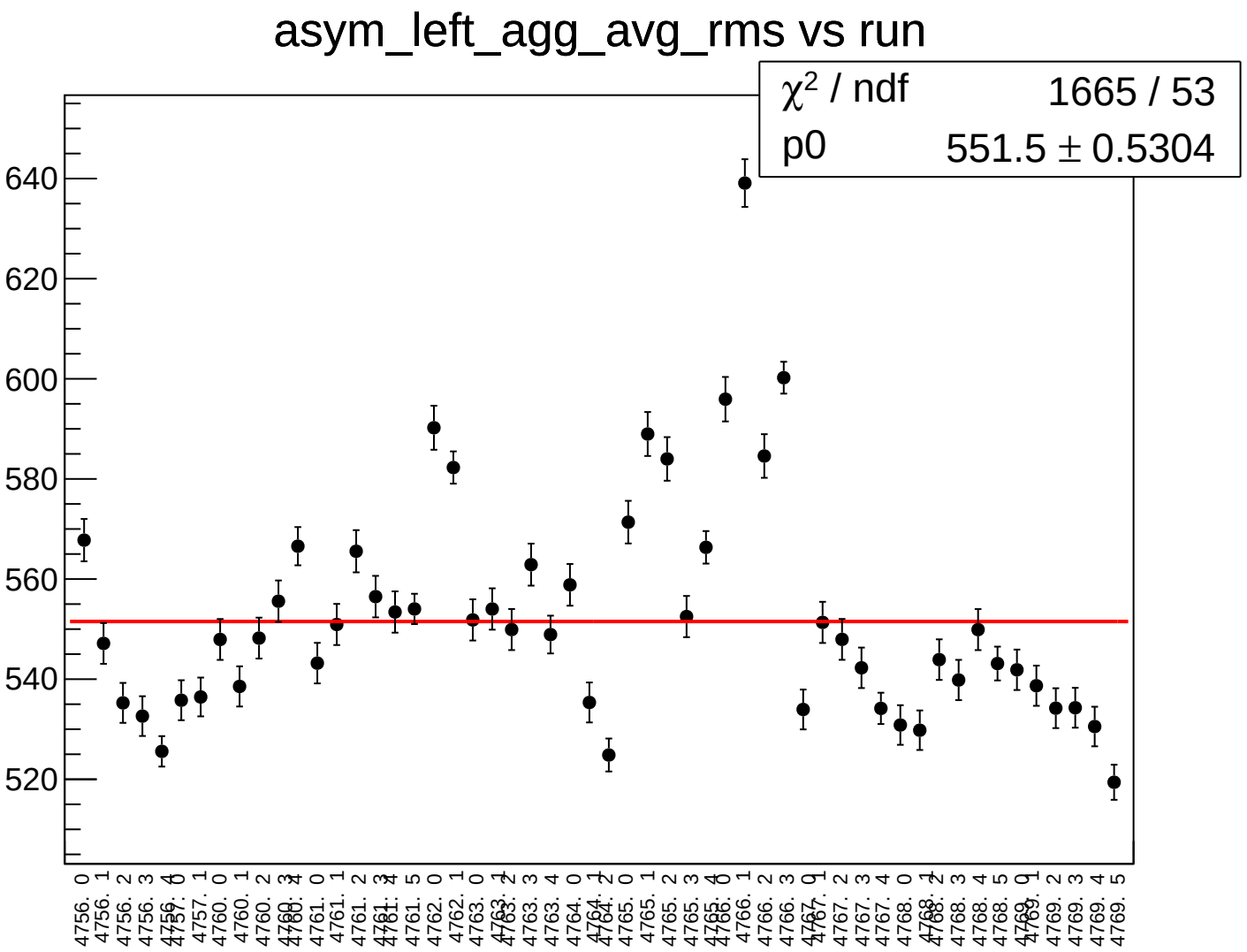
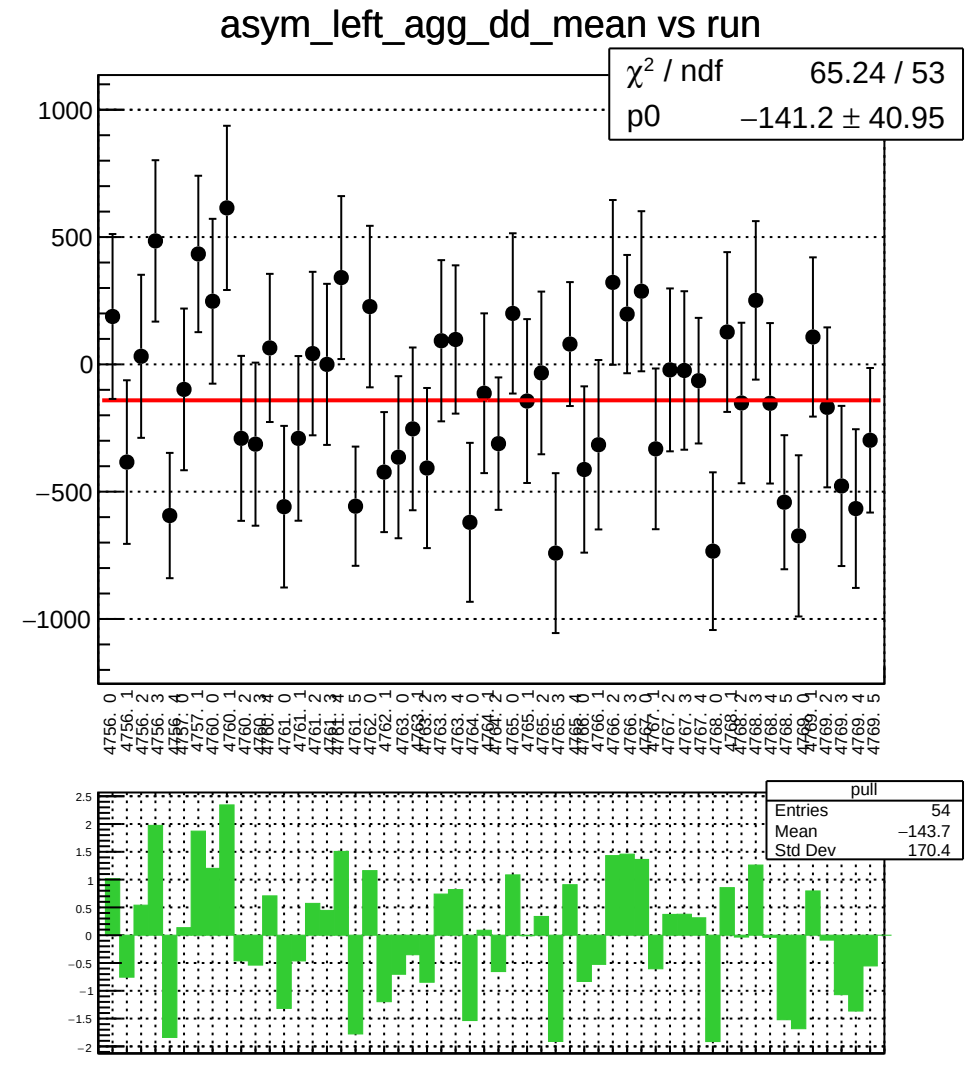
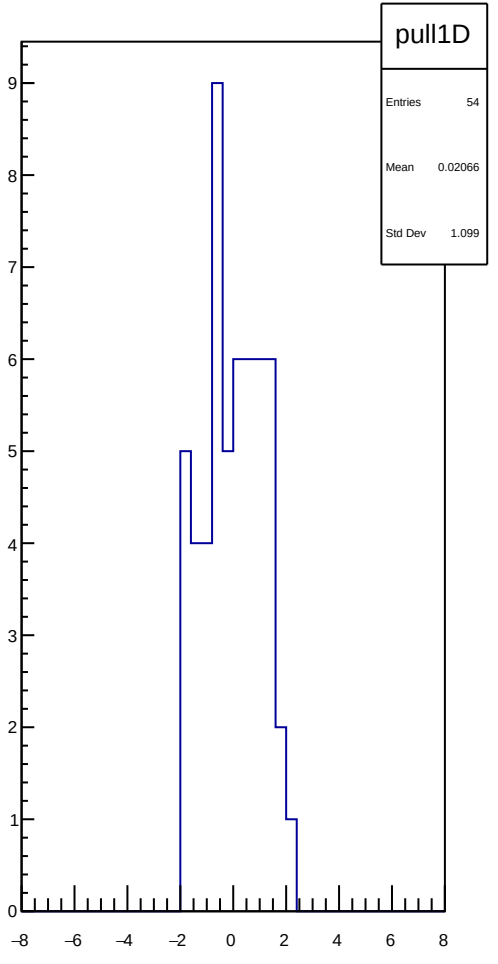
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

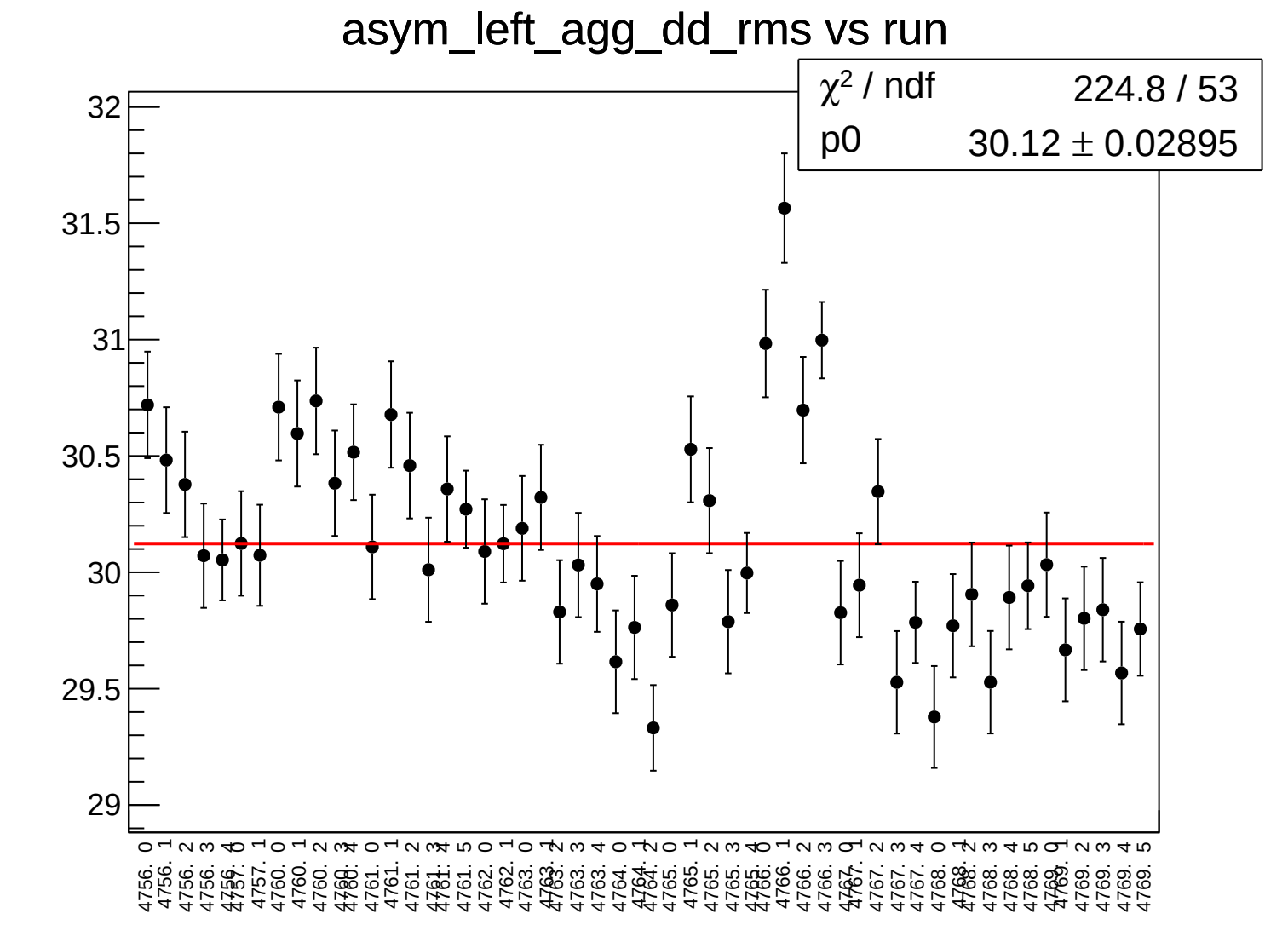

asym_left_agg_avg_mean vs run
χ² / ndf 51.93 / 53
p0 3144 ± 750.2
pull
Entries 54
Mean −168.4
Std Dev 189.6

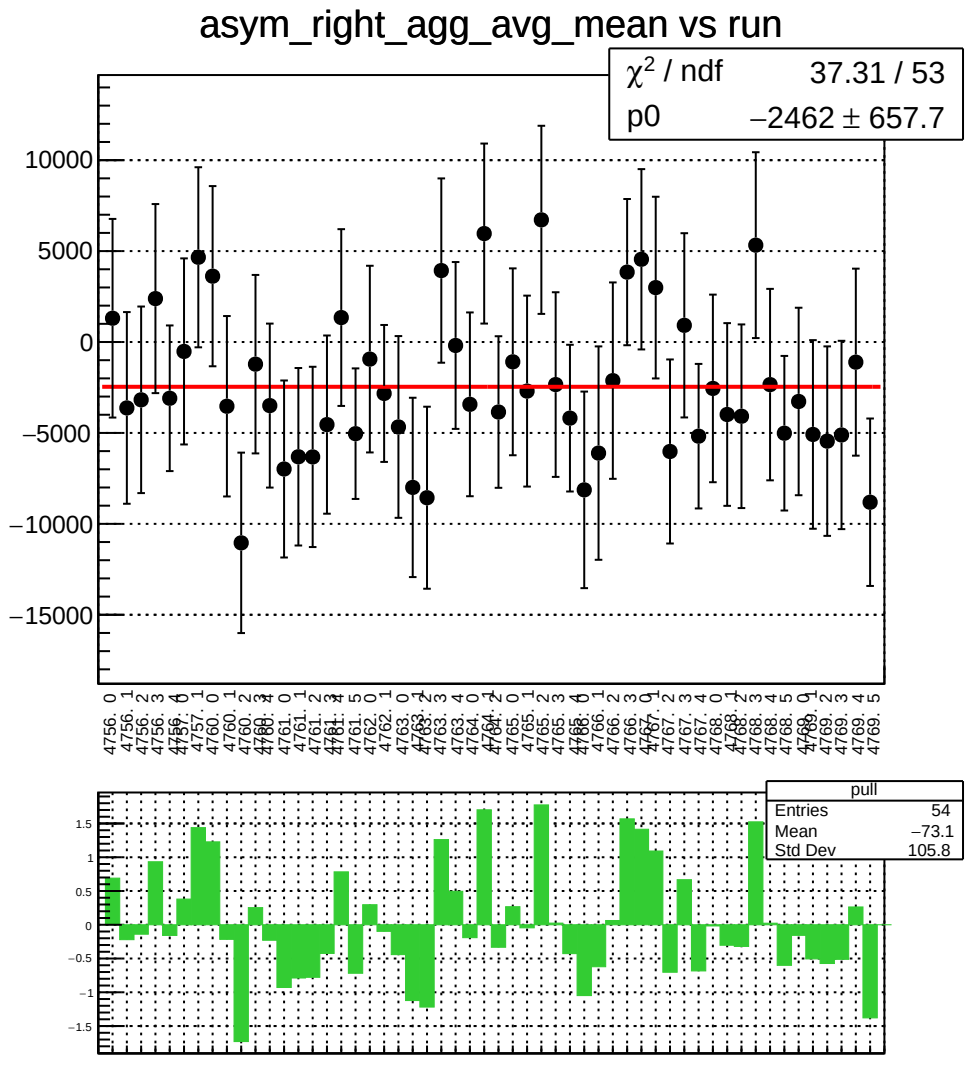

pull1D
Entries 54
Mean −0.01624
Std Dev 0.9806

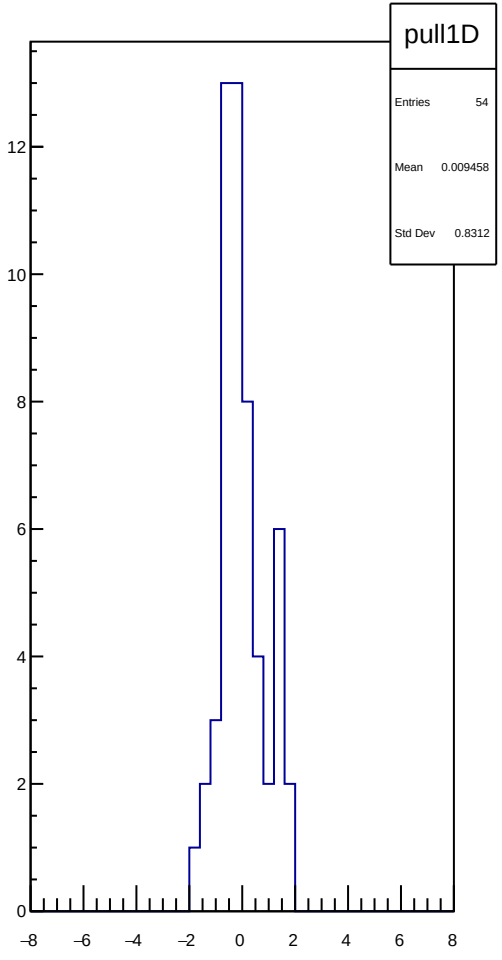

asym_left_agg_avg_rms vs run
χ² / ndf 1665 / 53
p0 551.5 ± 0.5304
640
620
600
580
560
540
520
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

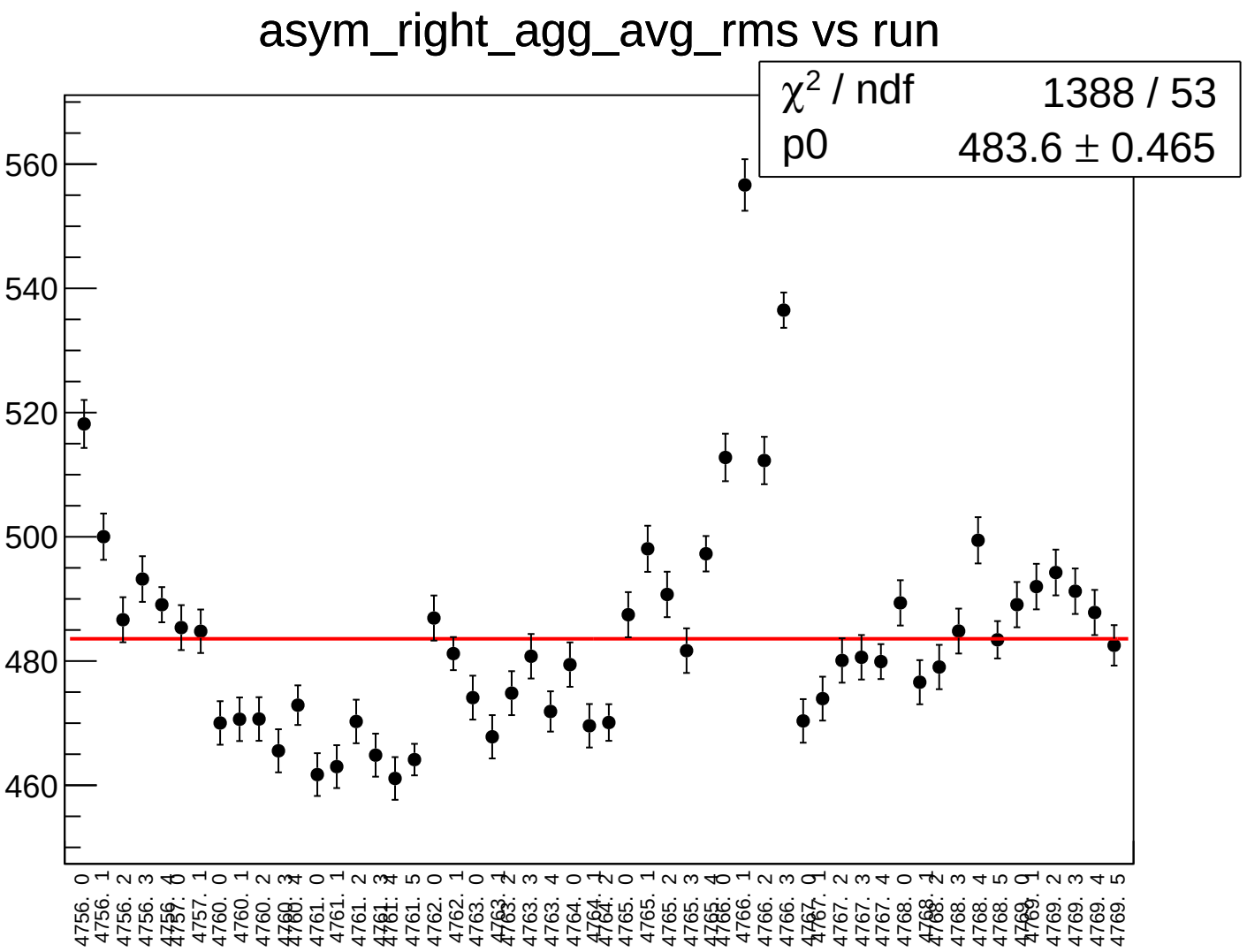

asym_left_agg_dd_mean vs run
χ² / ndf 65.24 / 53
p0 −141.2 ± 40.95
1000
500
0
−500
−1000
pull
Entries 54
Mean −143.7
Std Dev 170.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

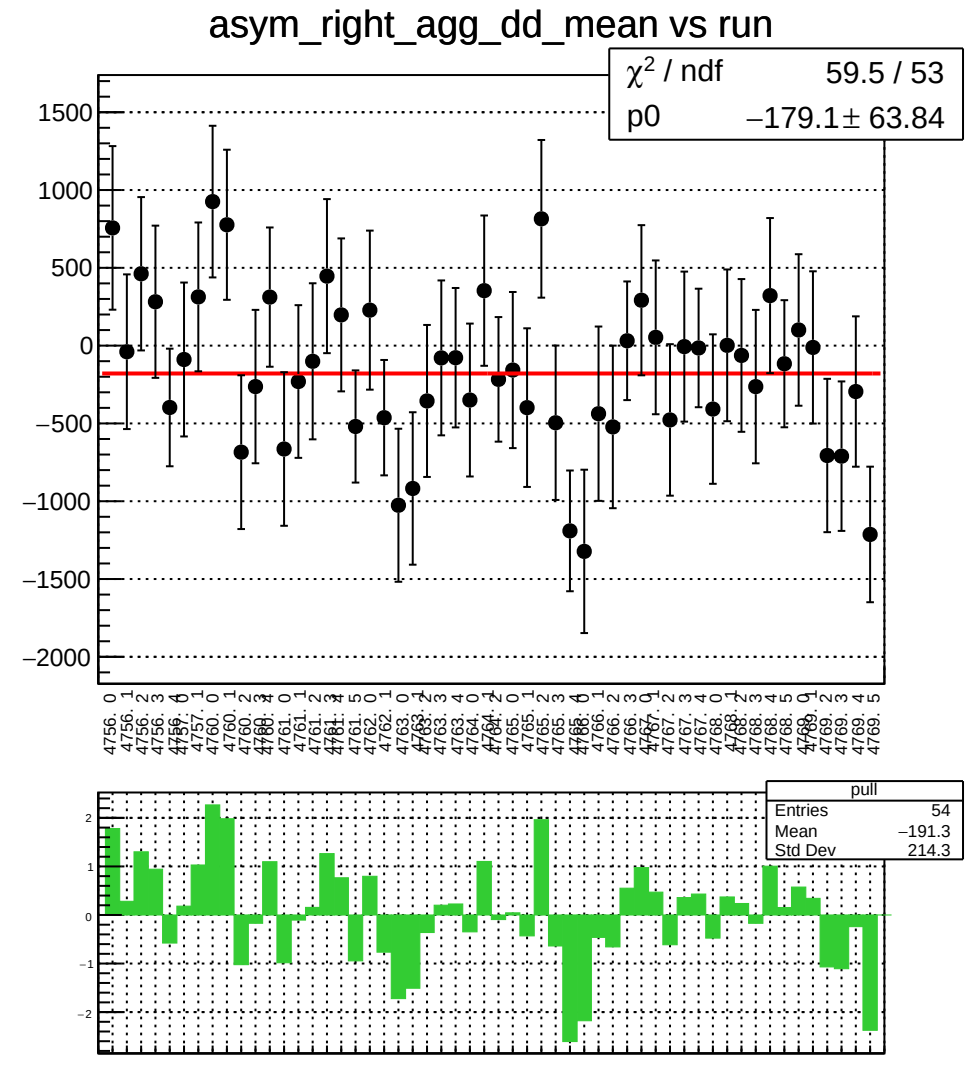

pull1D
Entries 54
Mean 0.02066
Std Dev 1.099
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

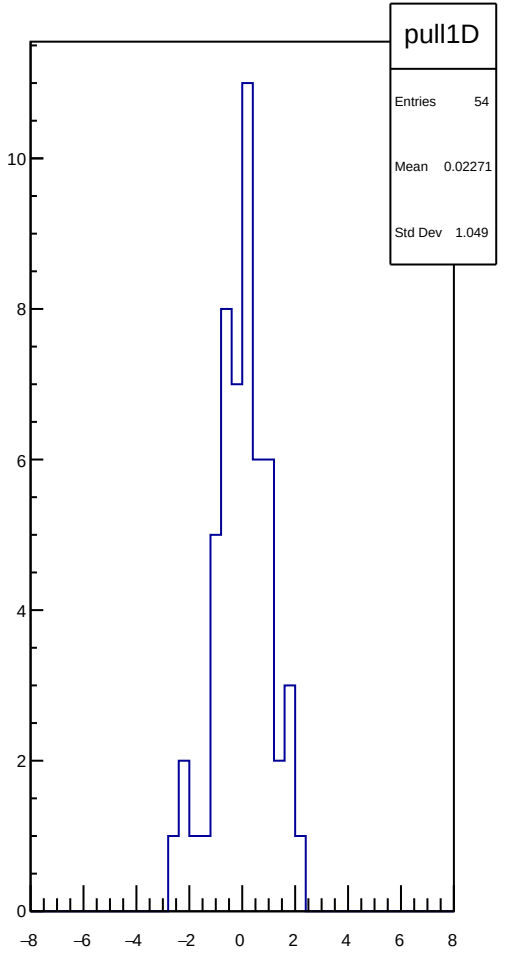

asym_left_agg_dd_rms vs run
χ² / ndf 224.8 / 53
p0 30.12 ± 0.02895
32
31.5
31
30.5
30
29.5
29
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

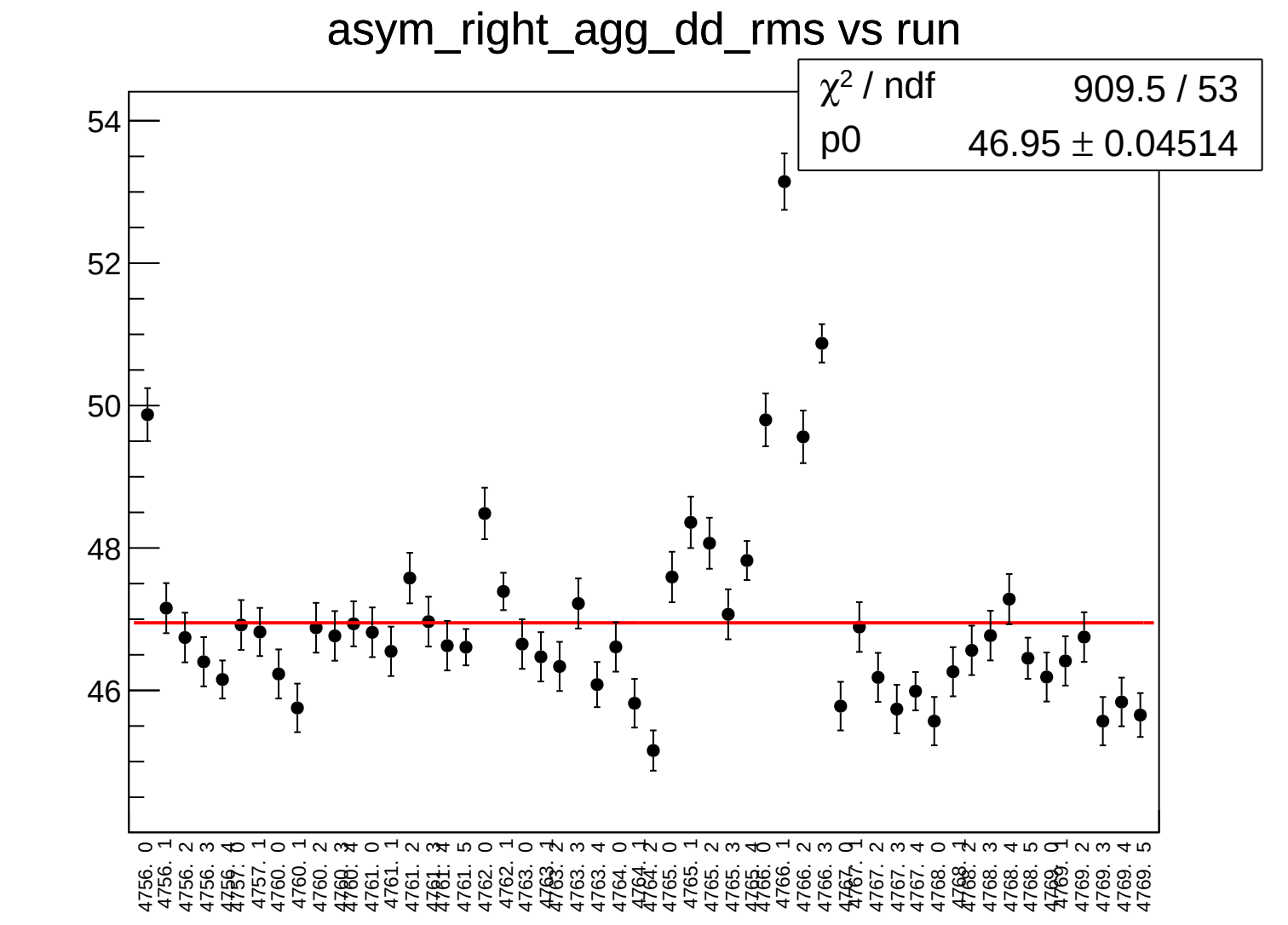

asym_right_agg_avg_mean vs run
χ² / ndf 37.31 / 53
p0 −2462 ± 657.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −73.1
Std Dev 105.8
1.5
1
0.5
0
−0.5
−1
−1.5

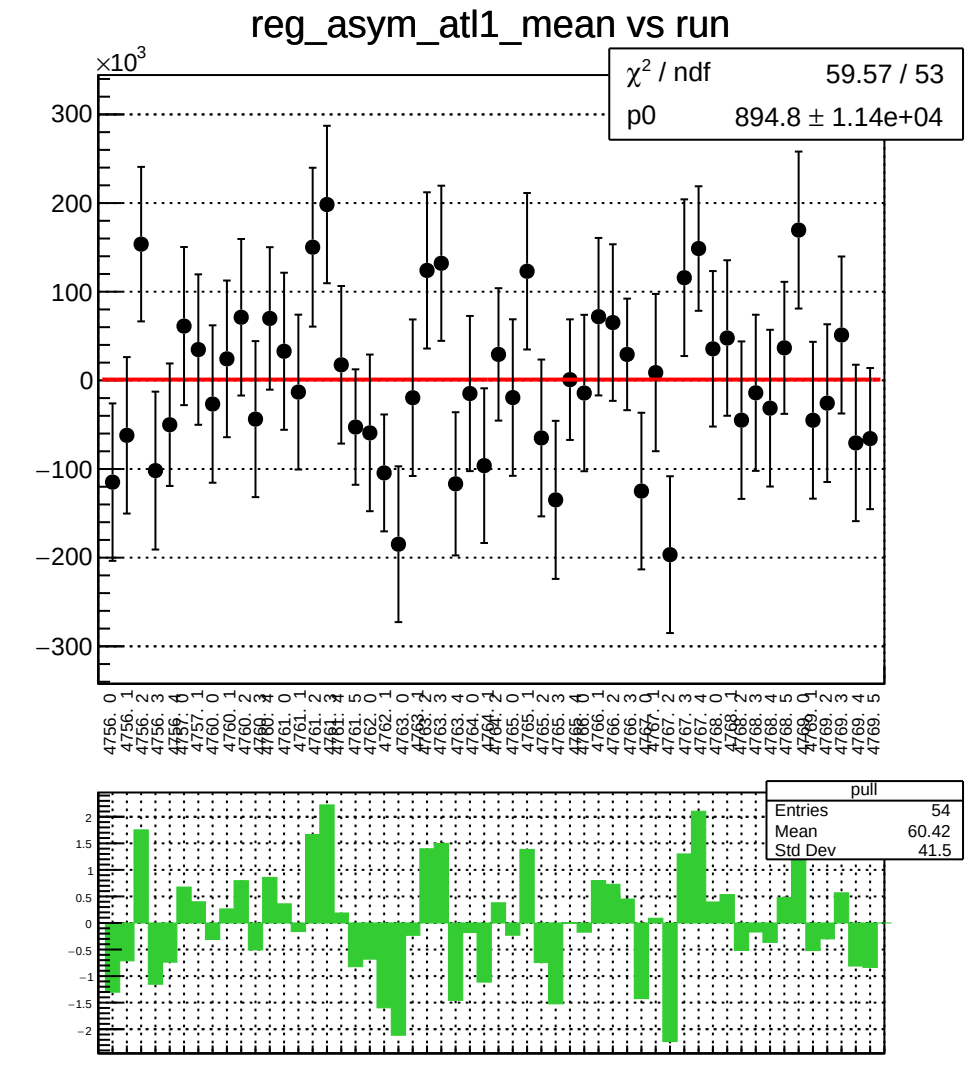

pull1D
Entries 54
Mean 0.009458
Std Dev 0.8312
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

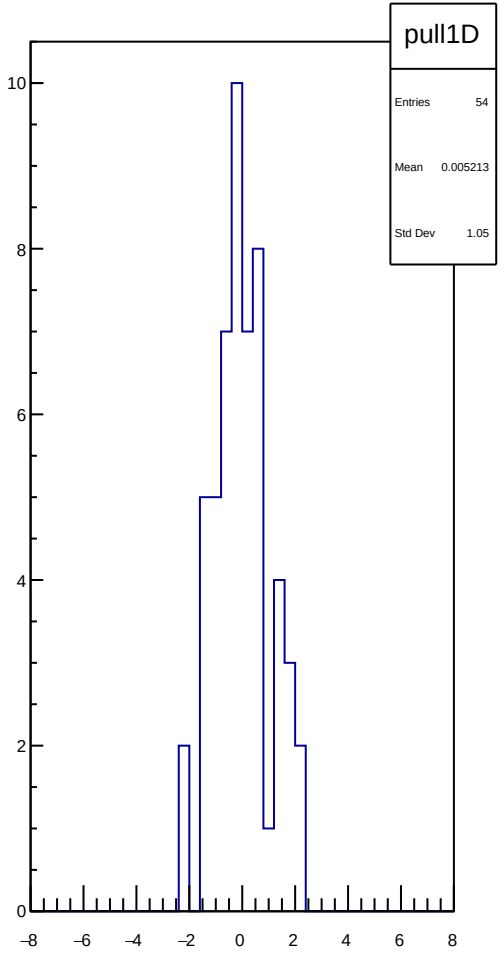

asym_right_agg_avg_rms vs run
χ² / ndf 1388 / 53
p0 483.6 ± 0.465
560
540
520
500
480
460
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

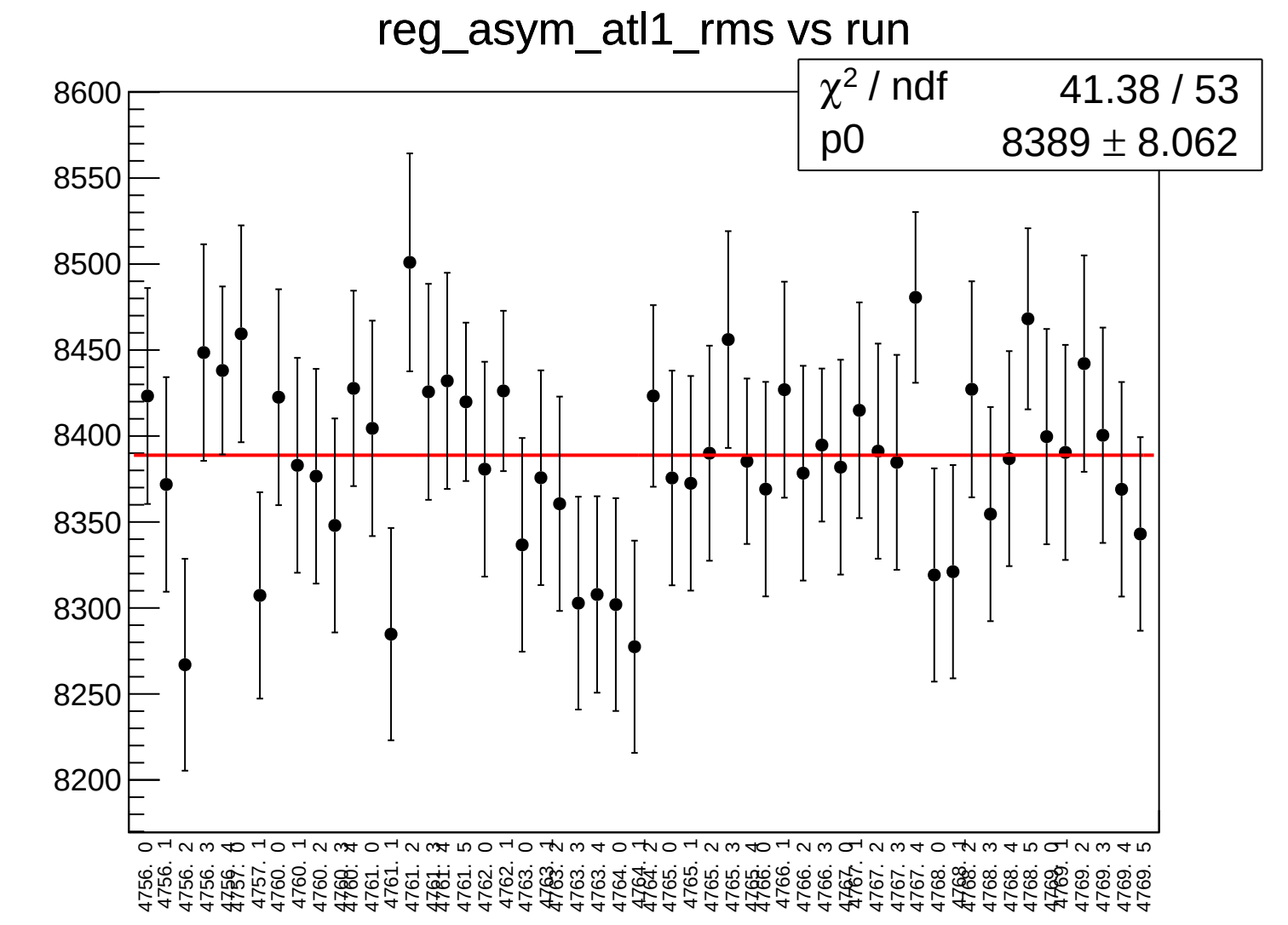

asym_right_agg_dd_mean vs run
χ² / ndf 59.5 / 53
p0 −179.1± 63.84
pull
Entries 54
Mean −191.3
Std Dev 214.3

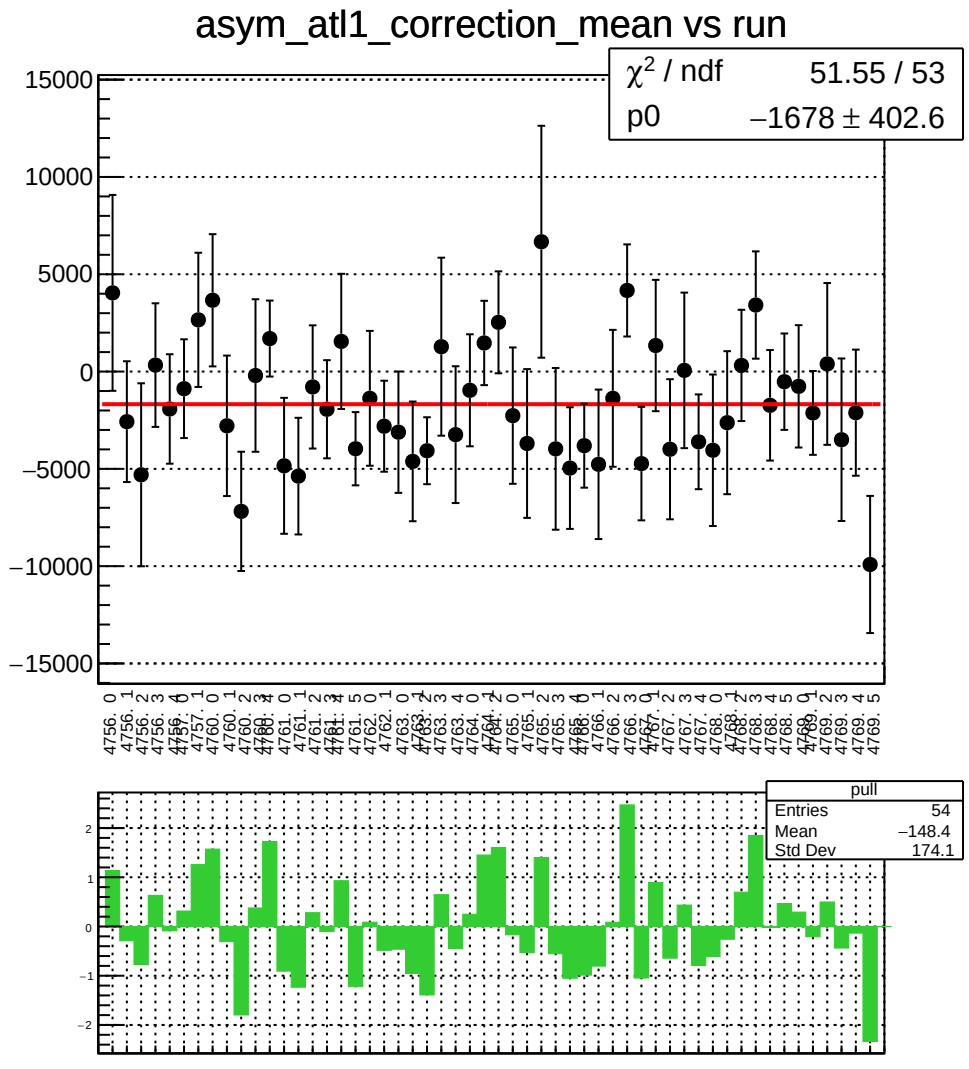

pull1D
Entries 54
Mean 0.02271
Std Dev 1.049

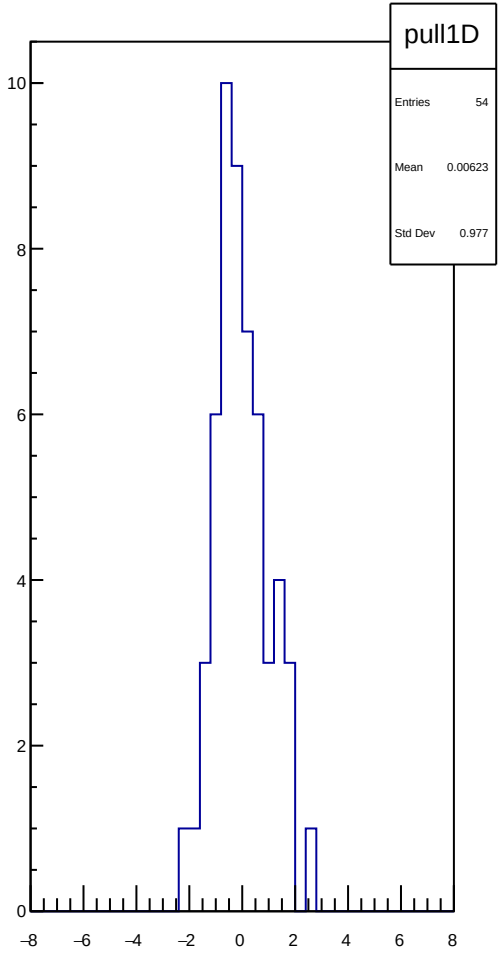

asym_right_agg_dd_rms vs run
χ² / ndf 909.5 / 53
p0 46.95 ± 0.04514
54
52
50
48
46
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

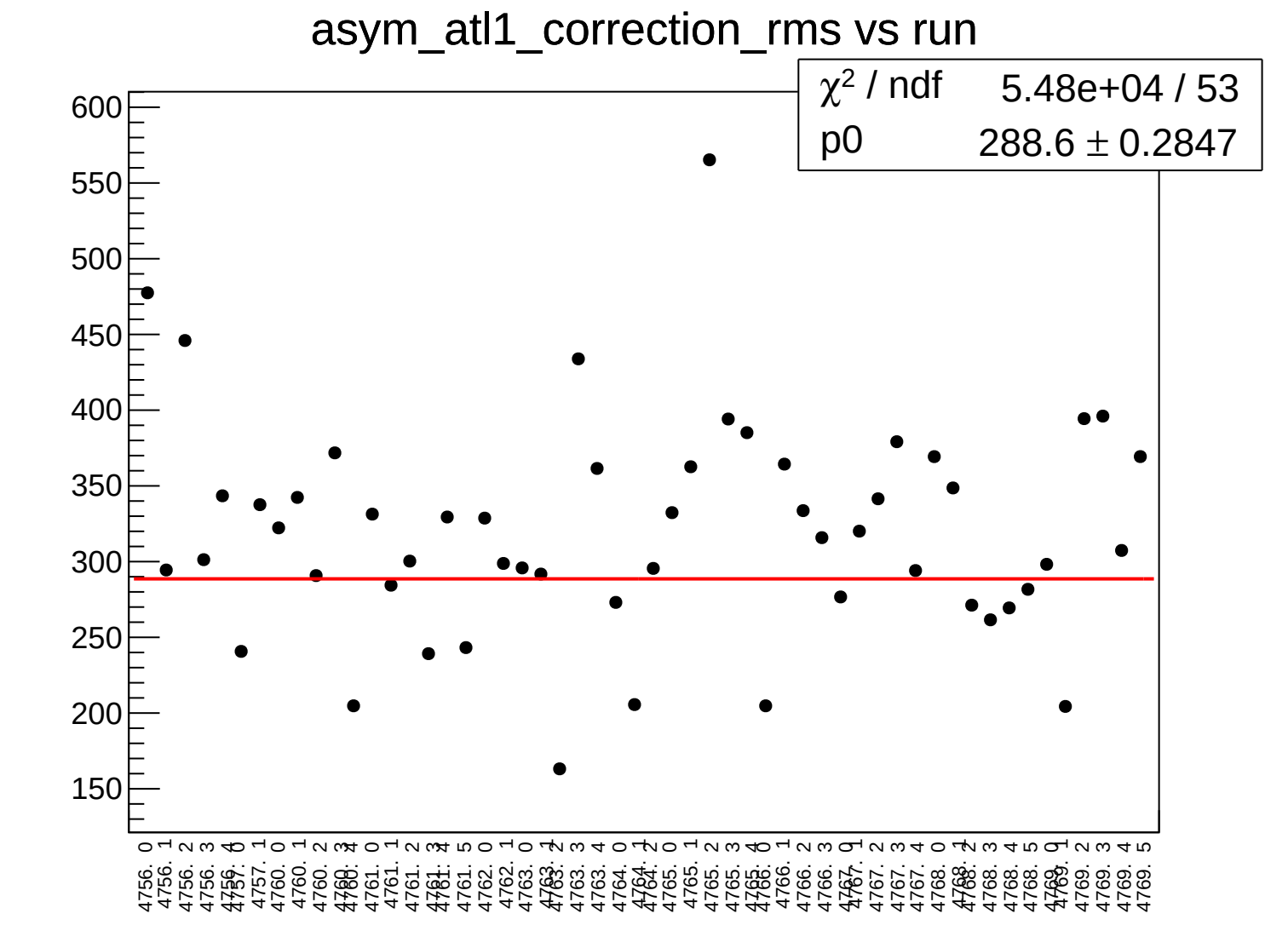

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 59.57 / 53
p0 894.8 ± 1.14e+04
pull
Entries 54
Mean 60.42
Std Dev 41.5

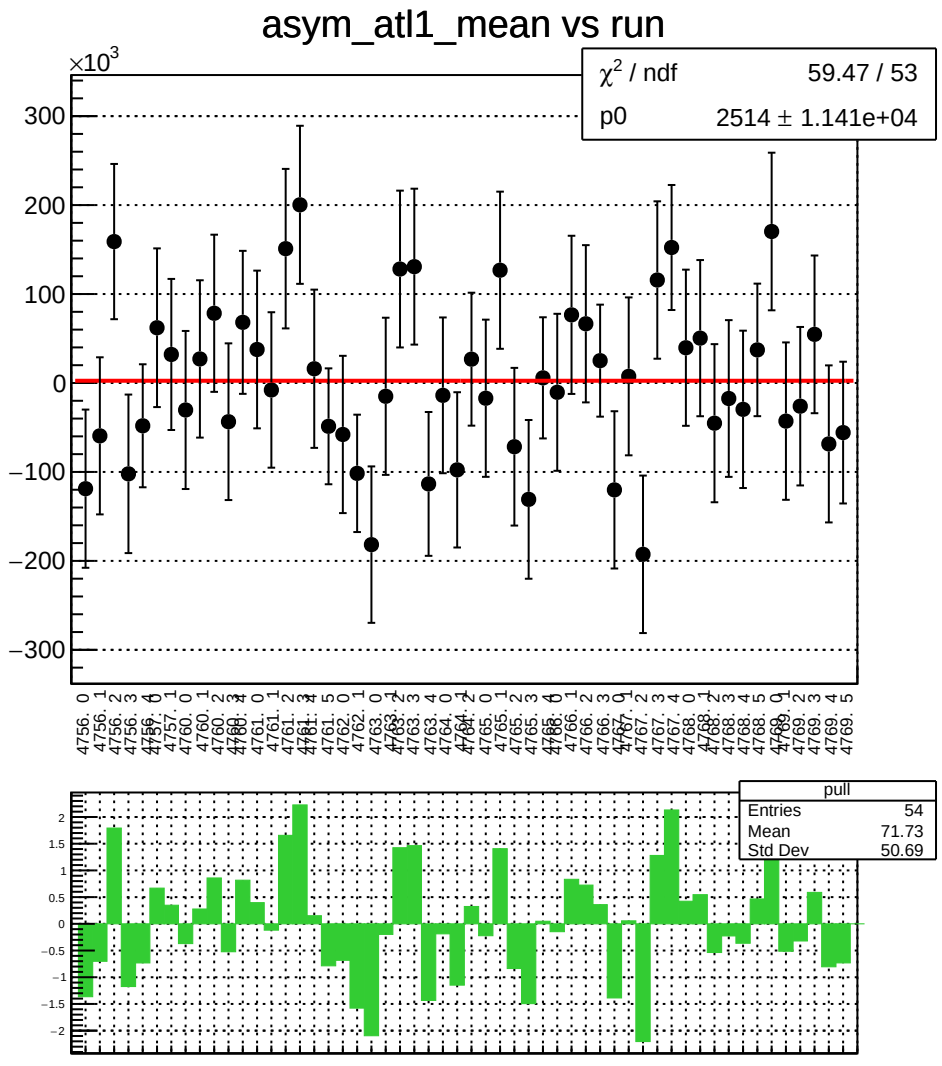

pull1D
Entries 54
Mean 0.005213
Std Dev 1.05

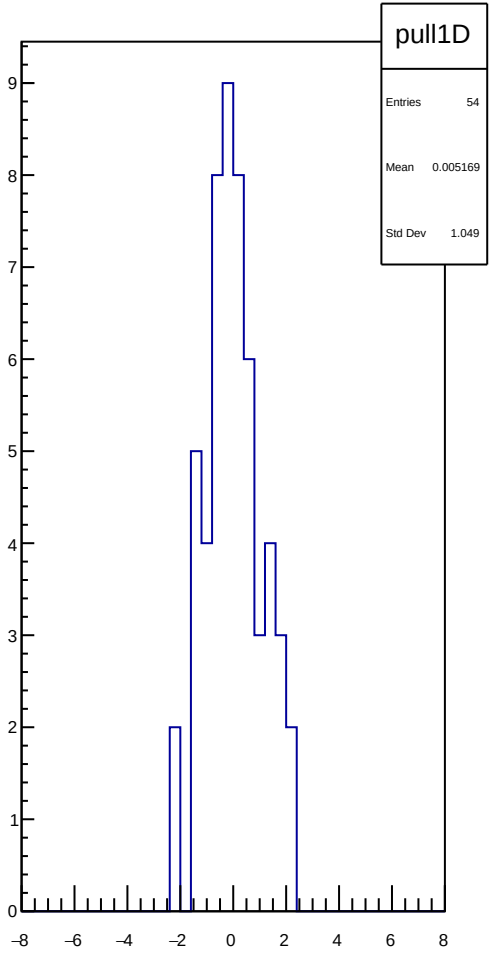

reg_asym_atl1_rms vs run
χ² / ndf 41.38 / 53
p0 8389 ± 8.062
8600
8550
8500
8450
8400
8350
8300
8250
8200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4767. 5
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

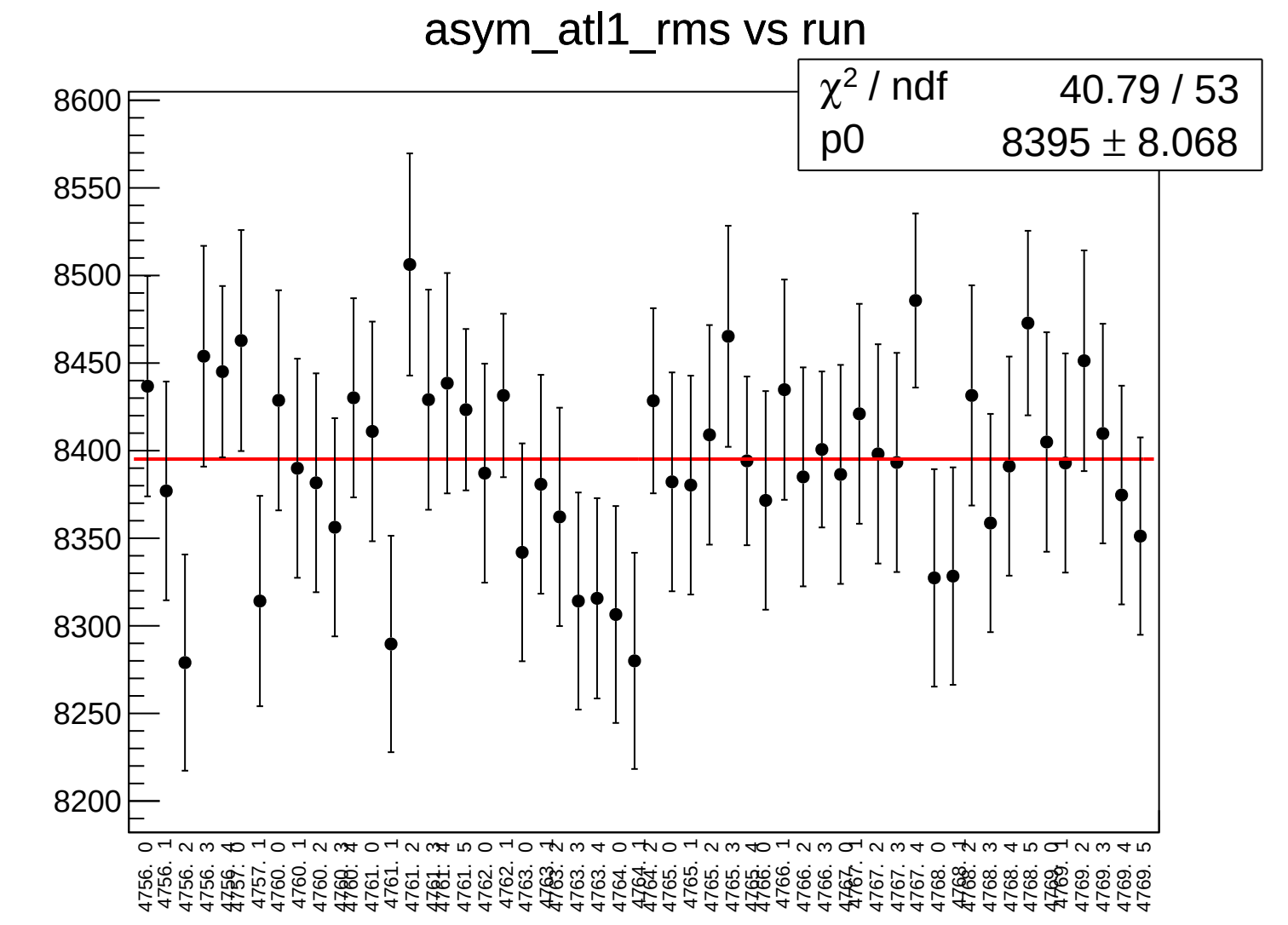

asym_atl1_correction_mean vs run
χ² / ndf 51.55 / 53
p0 −1678 ± 402.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −148.4
Std Dev 174.1
2
1
0
−1
−2

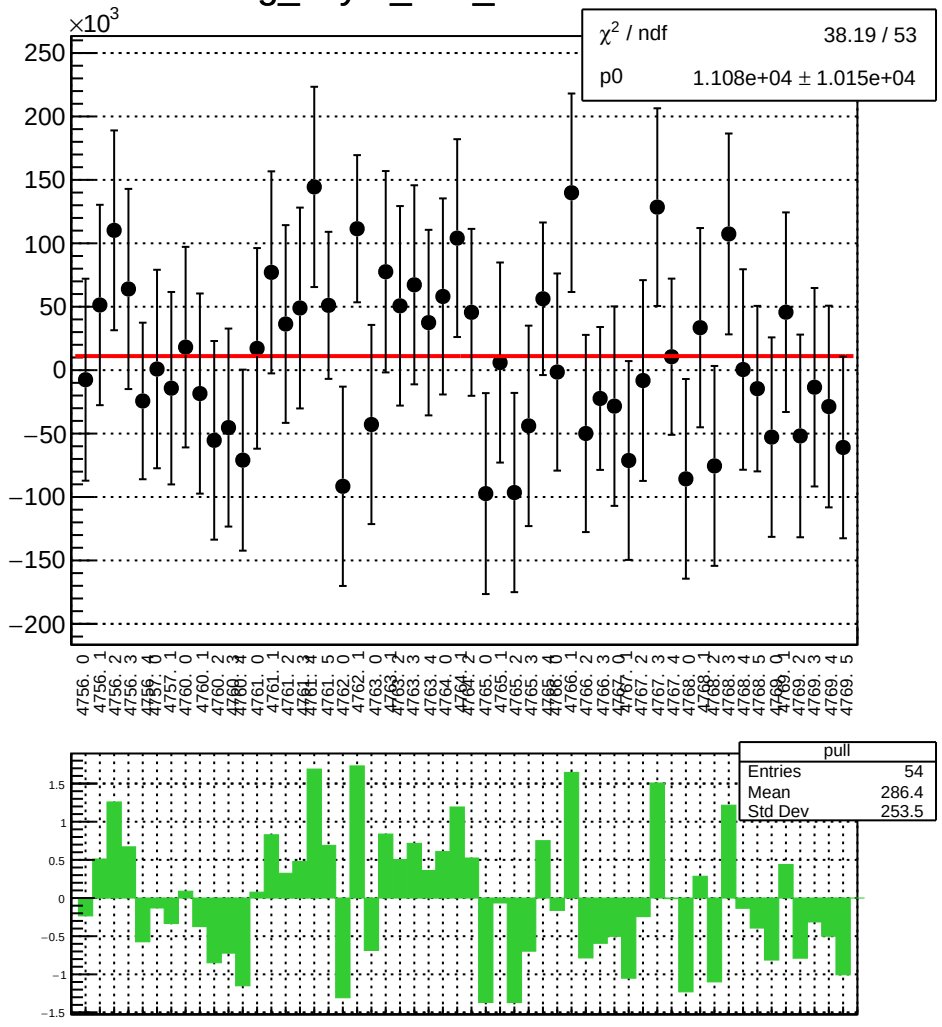

pull1D
Entries 54
Mean 0.00623
Std Dev 0.977
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

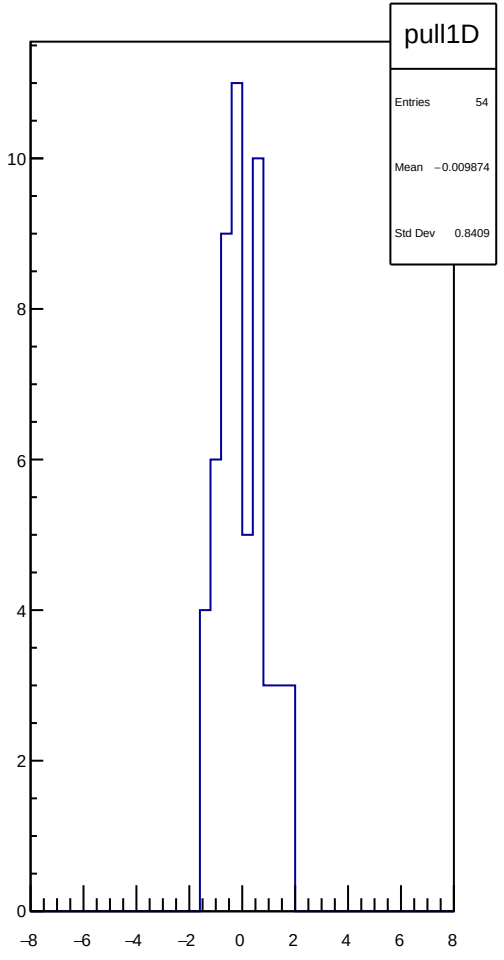

asym_atl1_correction_rms vs run
χ^2 / ndf 5.48e+04 / 53
p0 288.6 ± 0.2847
600
550
500
450
400
350
300
250
200
150
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

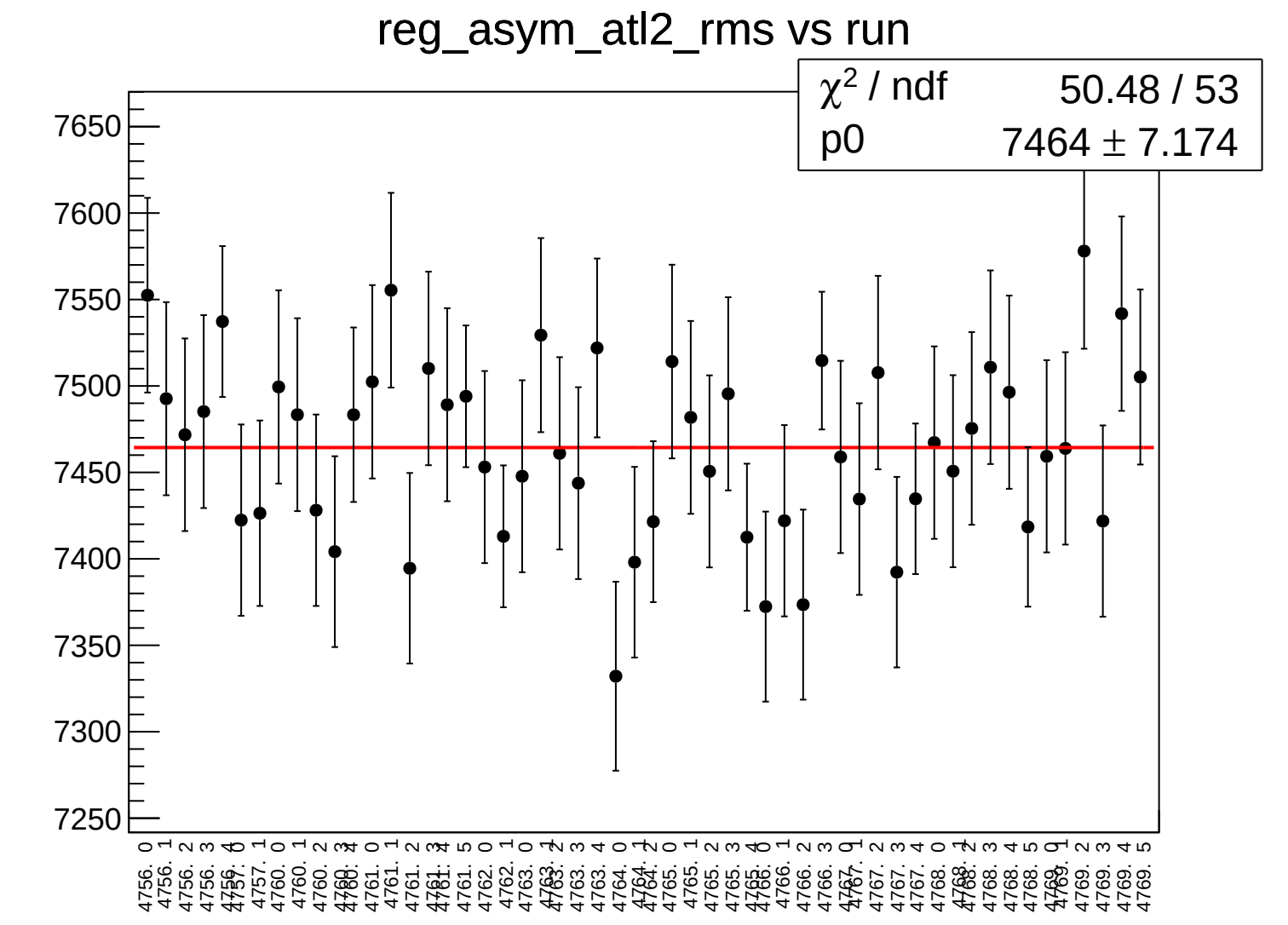

asym_atl1_mean vs run
×10^3
χ² / ndf 59.47 / 53
p0 2514 ± 1.141e+04
pull
Entries 54
Mean 71.73
Std Dev 50.69

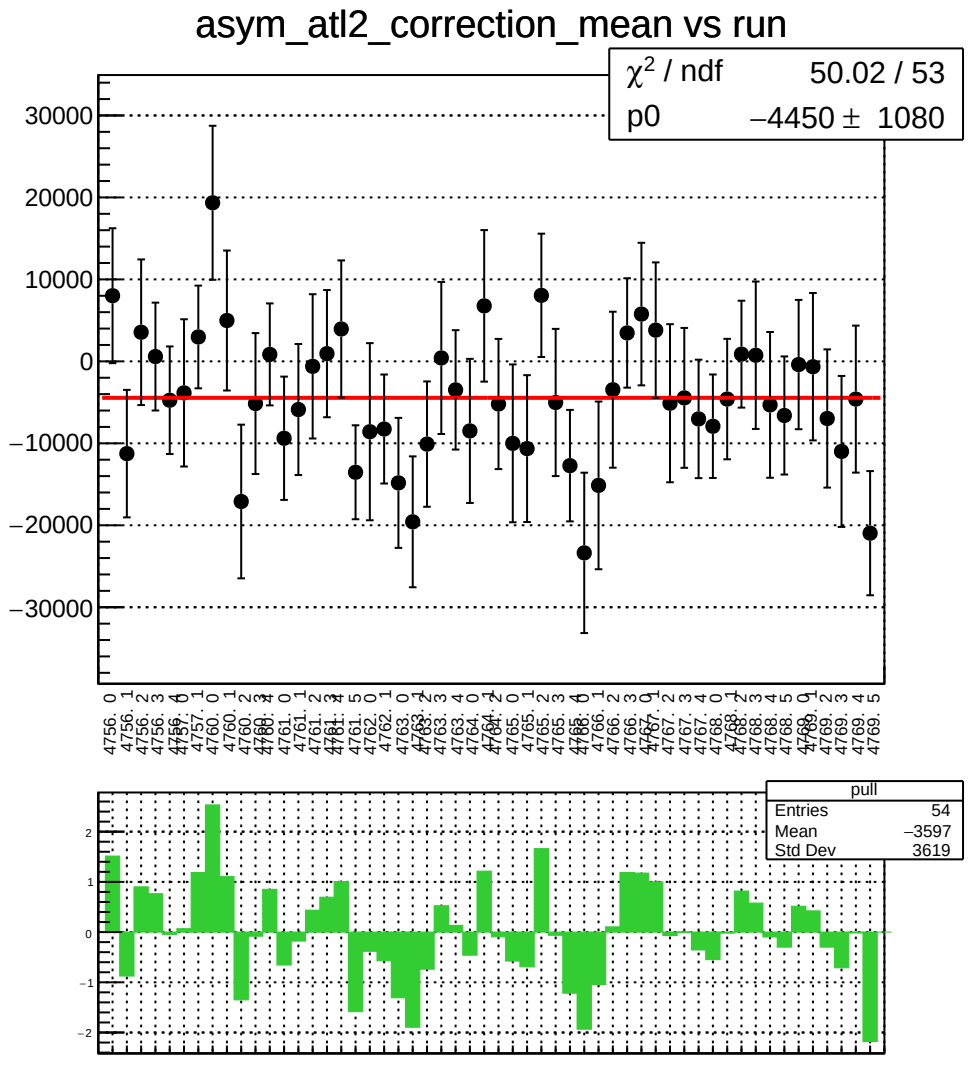

pull1D
Entries 54
Mean 0.005169
Std Dev 1.049

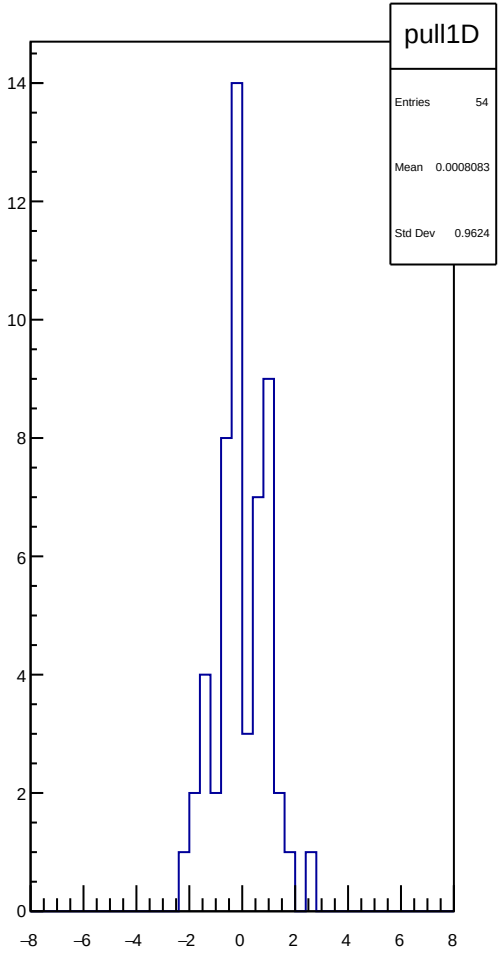

asym_atl1_rms vs run
χ² / ndf 40.79 / 53
p0 8395 ± 8.068
8600
8550
8500
8450
8400
8350
8300
8250
8200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

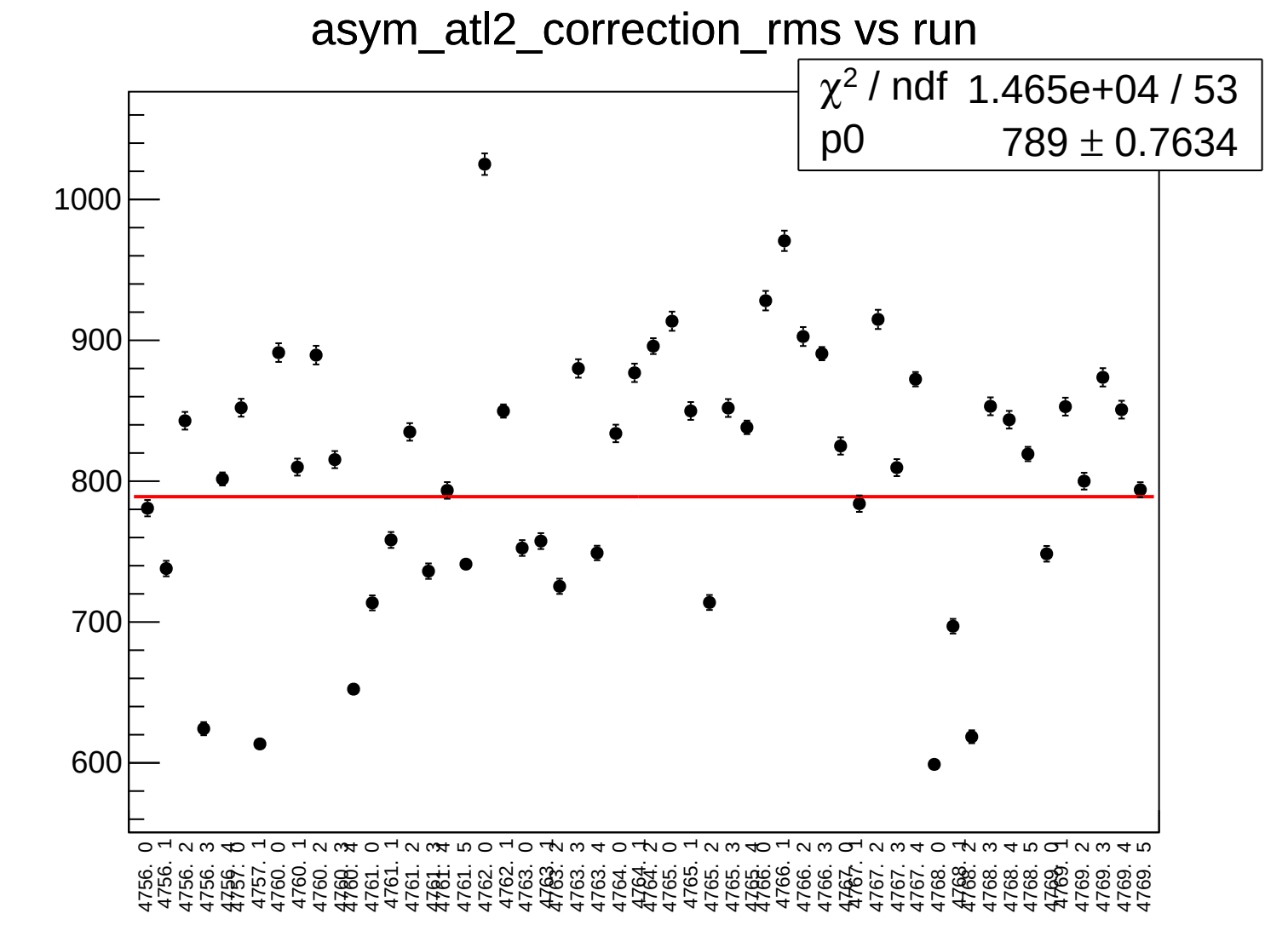

reg_asym_atl2_mean vs run
×10^3
χ² / ndf 38.19 / 53
p0 1.108e+04 ± 1.015e+04
pull
Entries 54
Mean 286.4
Std Dev 253.5

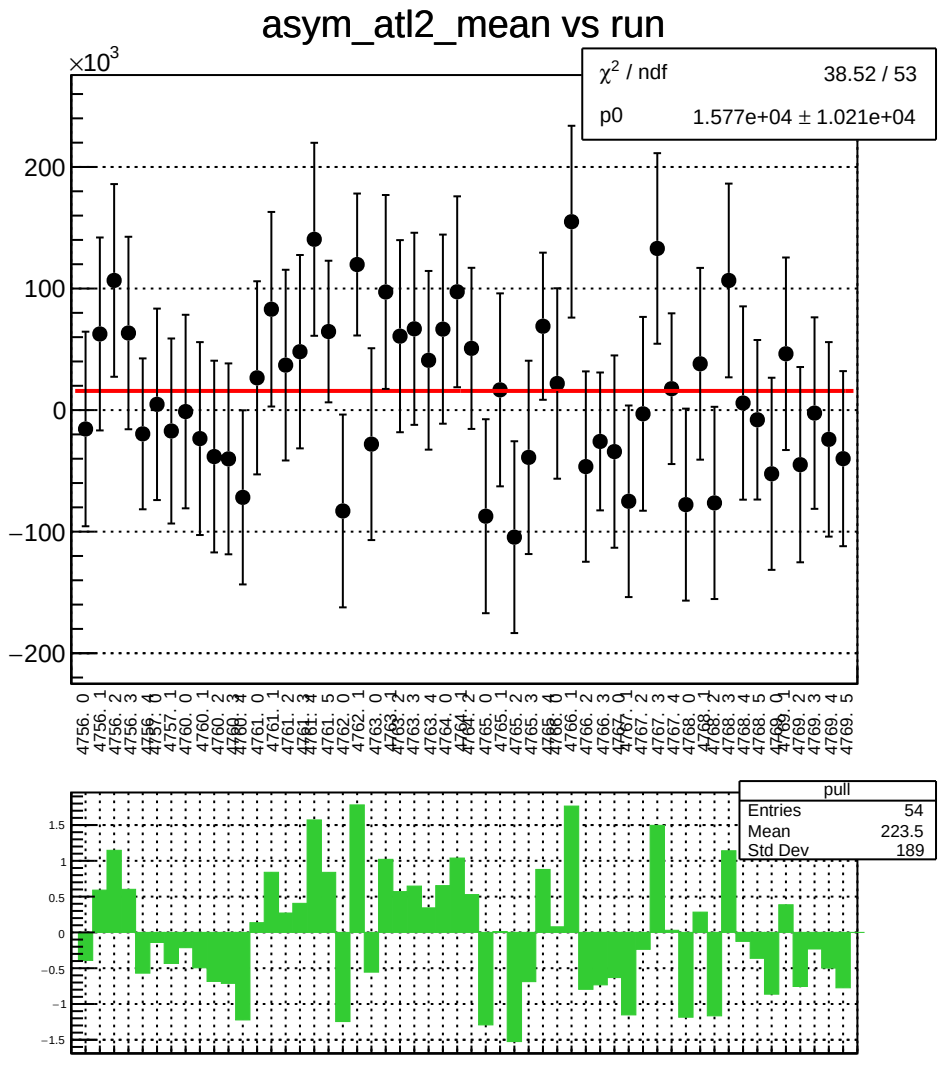

pull1D
Entries 54
Mean −0.009874
Std Dev 0.8409

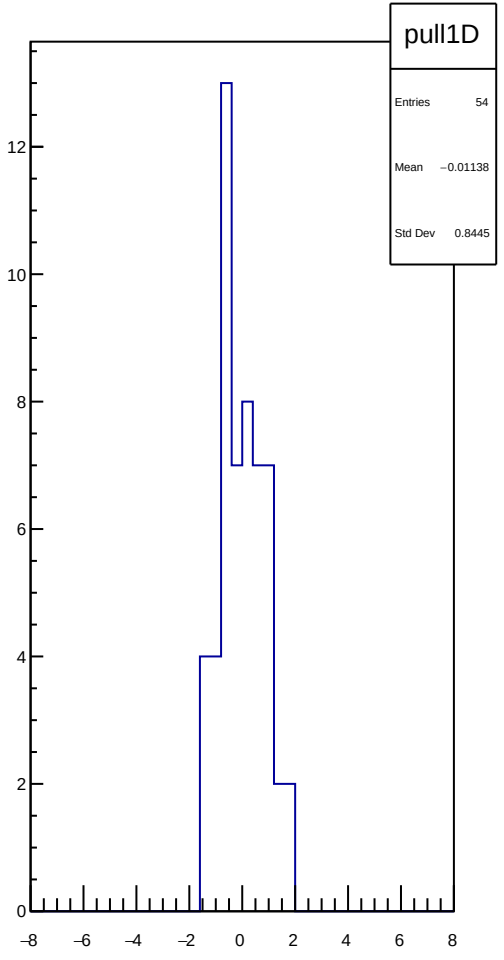

reg_asym_atl2_rms vs run
χ² / ndf 50.48 / 53
p0 7464 ± 7.174
7650
7600
7550
7500
7450
7400
7350
7300
7250
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

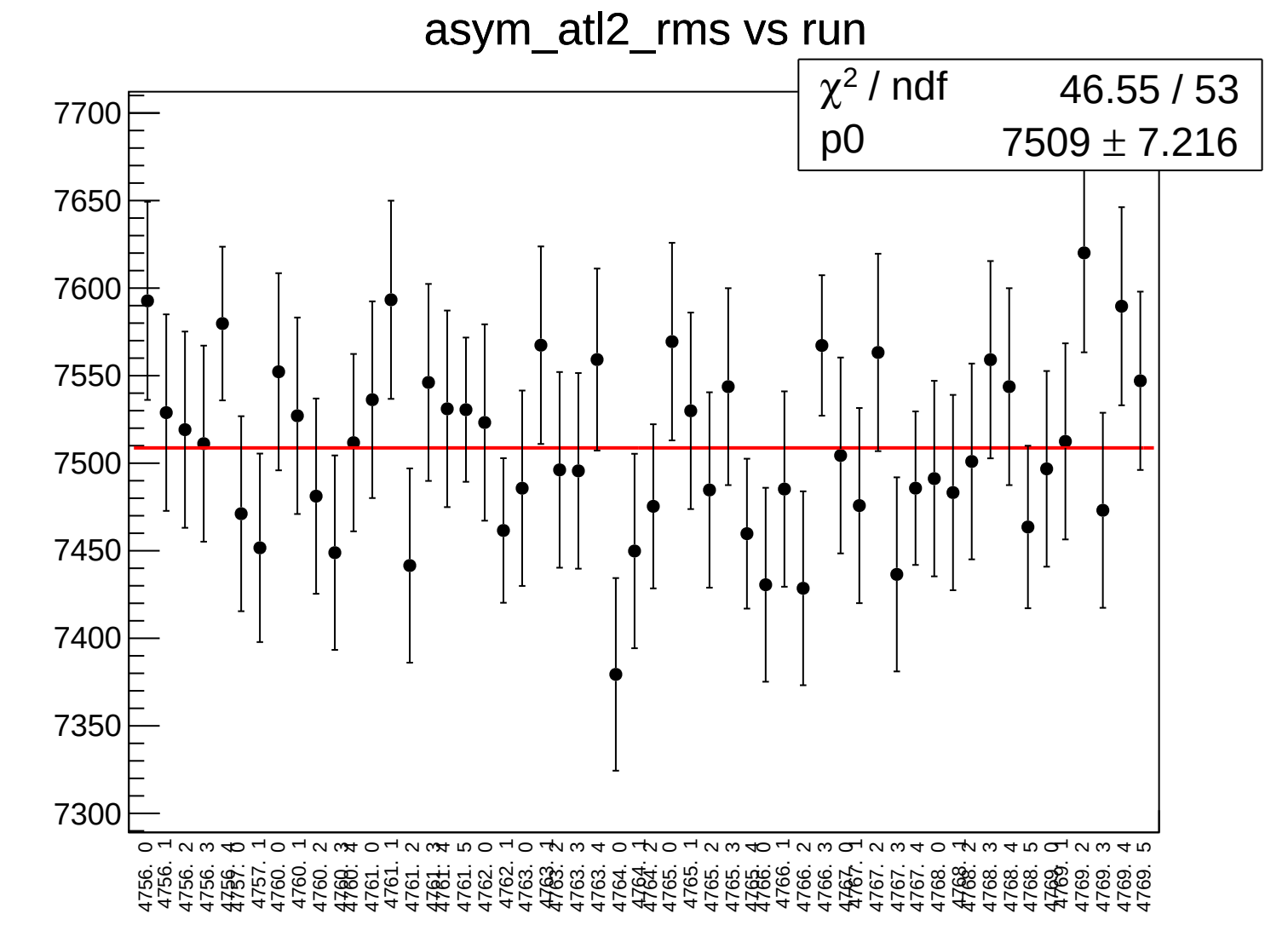

asym_atl2_correction_mean vs run
χ² / ndf 50.02 / 53
p0 −4450 ± 1080
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 54
Mean −3597
Std Dev 3619
2
1
0
−1
−2

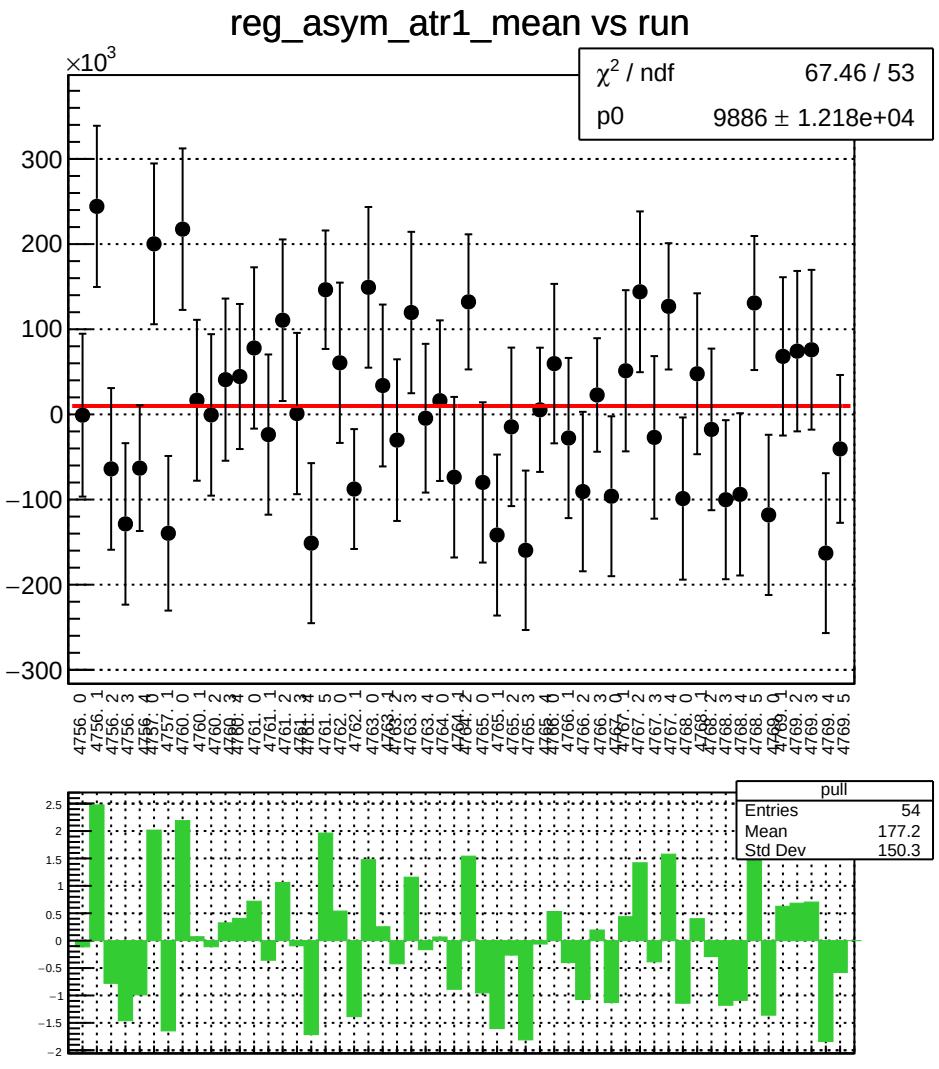

pull1D
Entries 54
Mean 0.0008083
Std Dev 0.9624
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

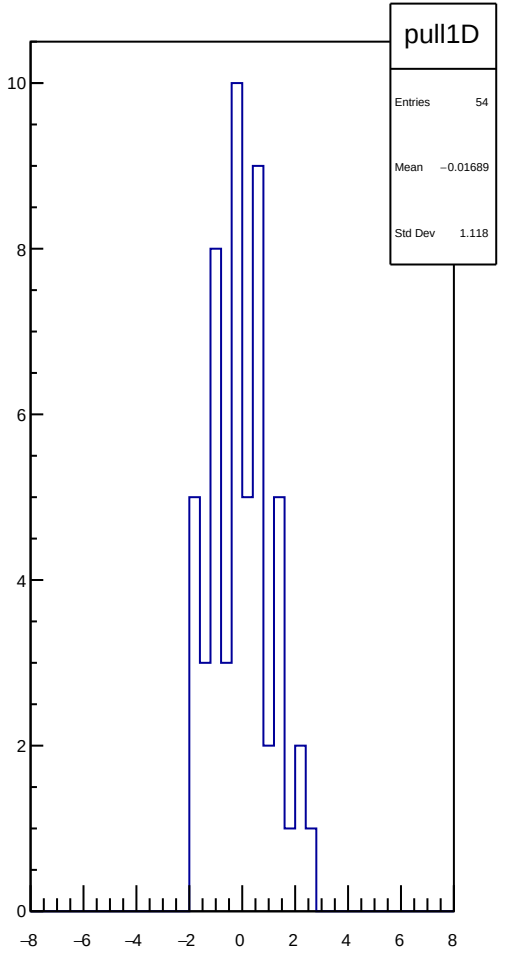

asym_atl2_correction_rms vs run
χ² / ndf 1.465e+04 / 53
p0 789 ± 0.7634
1000
900
800
700
600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

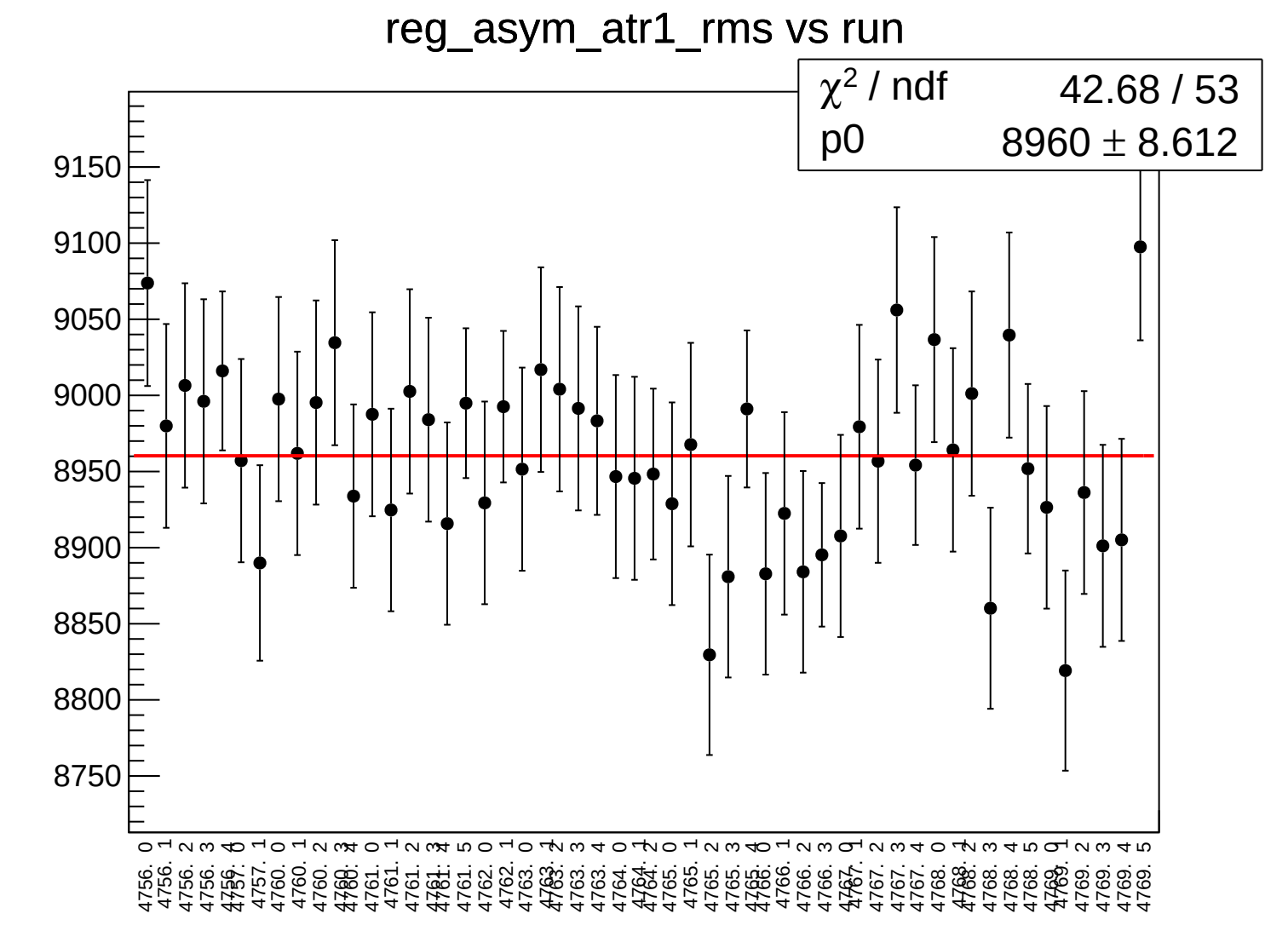

asym_atl2_mean vs run
×10^3
χ² / ndf 38.52 / 53
p0 1.577e+04 ± 1.021e+04
200
100
0
−100
−200
pull
Entries 54
Mean 223.5
Std Dev 189
1.5
1
0.5
0
−0.5
−1
−1.5

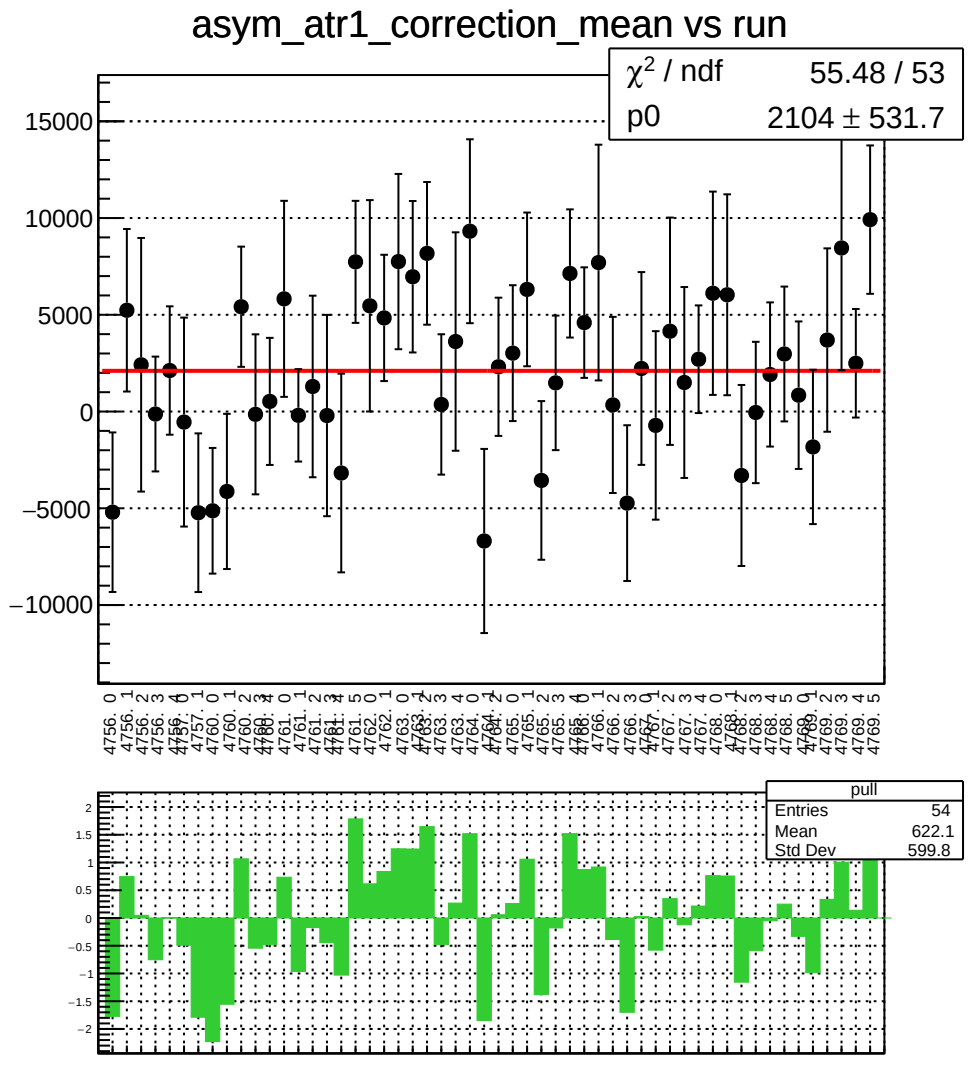

pull1D
Entries 54
Mean −0.01138
Std Dev 0.8445
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

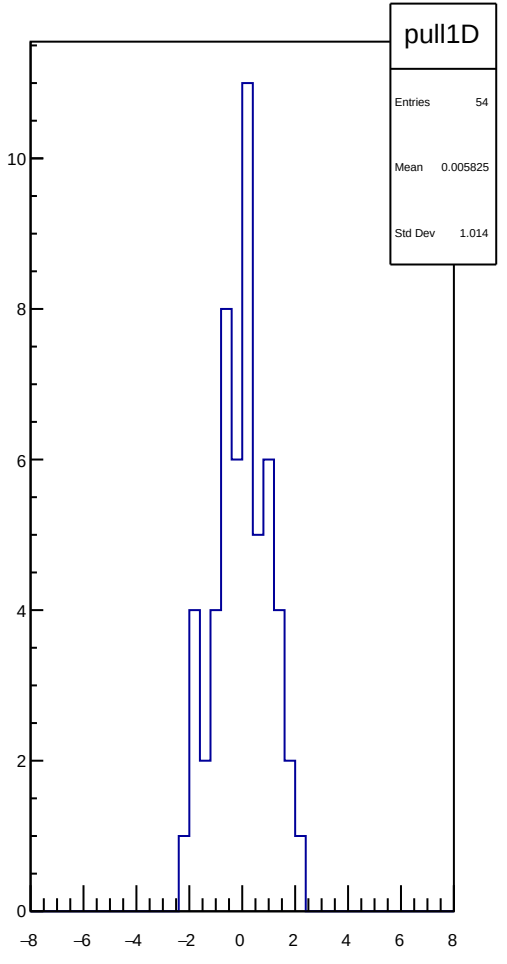

asym_atl2_rms vs run
χ² / ndf 46.55 / 53
p0 7509 ± 7.216
7700
7650
7600
7550
7500
7450
7400
7350
7300
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

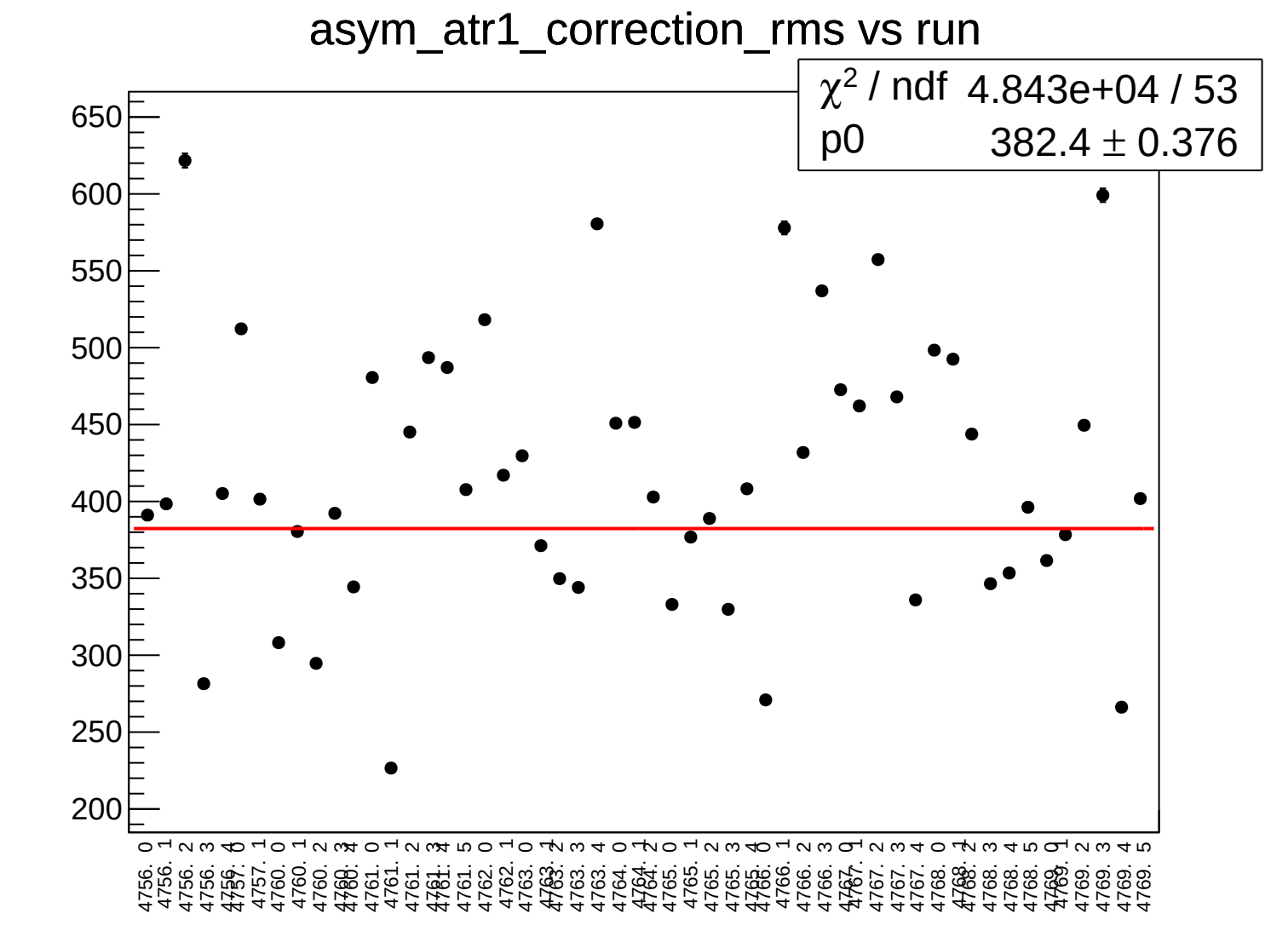

reg_asym_atr1_mean vs run
×10^3
χ² / ndf 67.46 / 53
p0 9886 ± 1.218e+04
pull
Entries 54
Mean 177.2
Std Dev 150.3

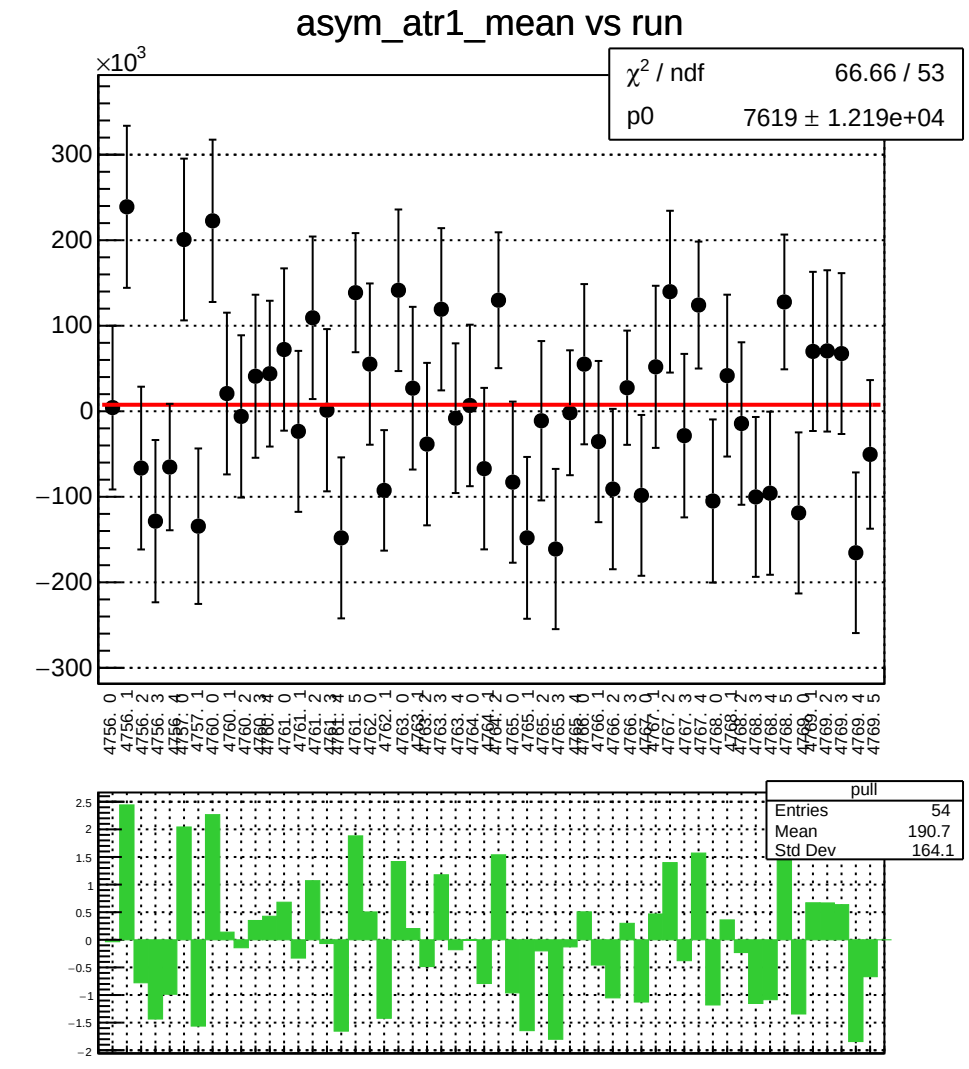

pull1D
Entries 54
Mean −0.01689
Std Dev 1.118

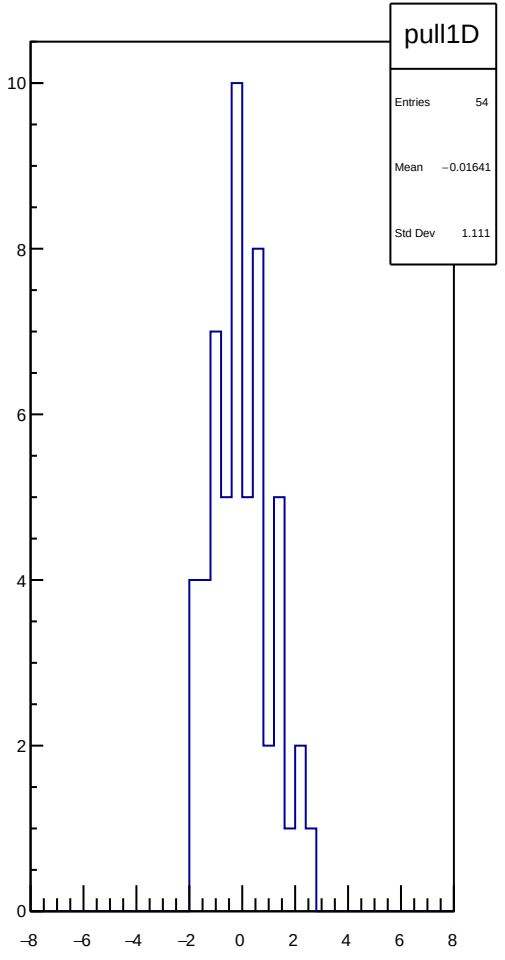

reg_asym_atr1_rms vs run
χ² / ndf 42.68 / 53
p0 8960 ± 8.612
9150
9100
9050
9000
8950
8900
8850
8800
8750
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

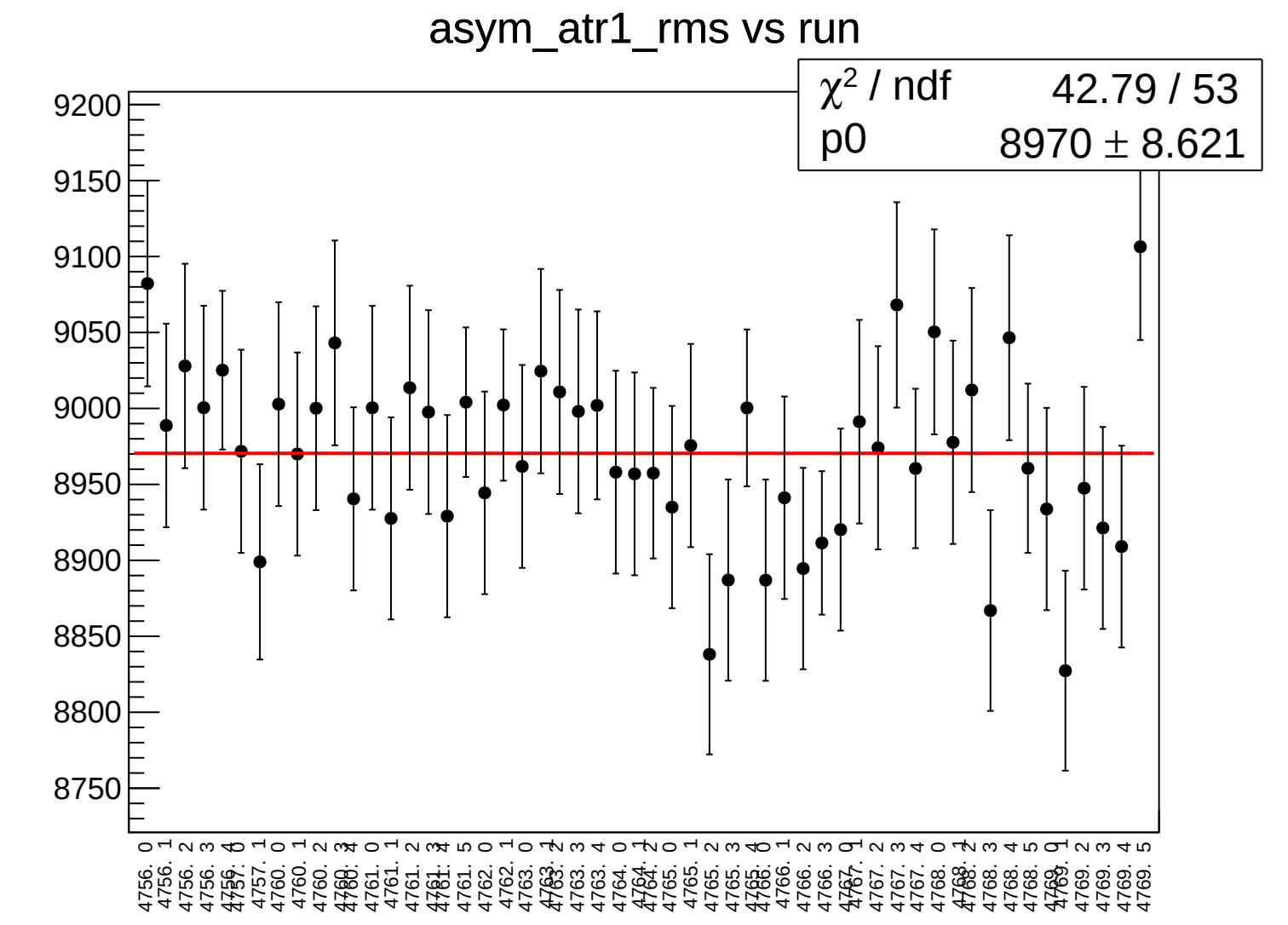

asym_atr1_correction_mean vs run
χ² / ndf 55.48 / 53
p0 2104 ± 531.7
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 622.1
Std Dev 599.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

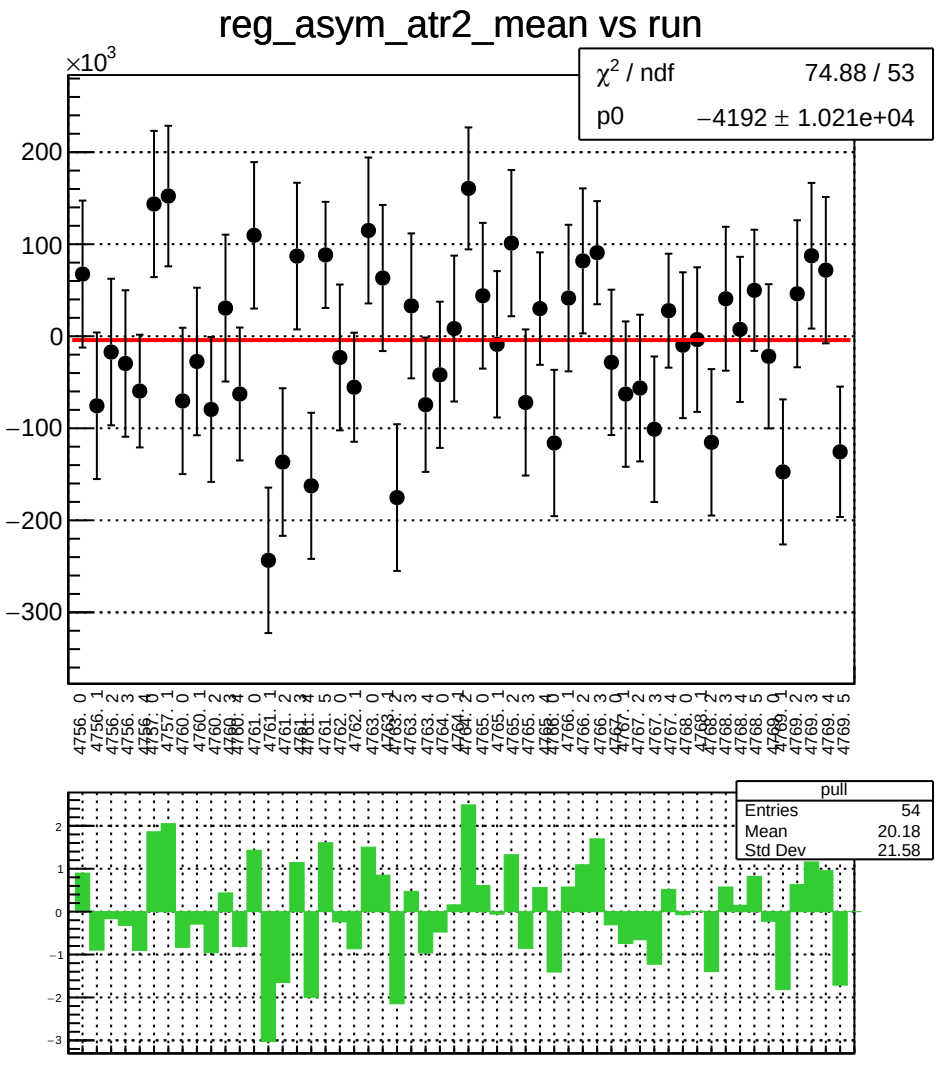

pull1D
Entries 54
Mean 0.005825
Std Dev 1.014
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

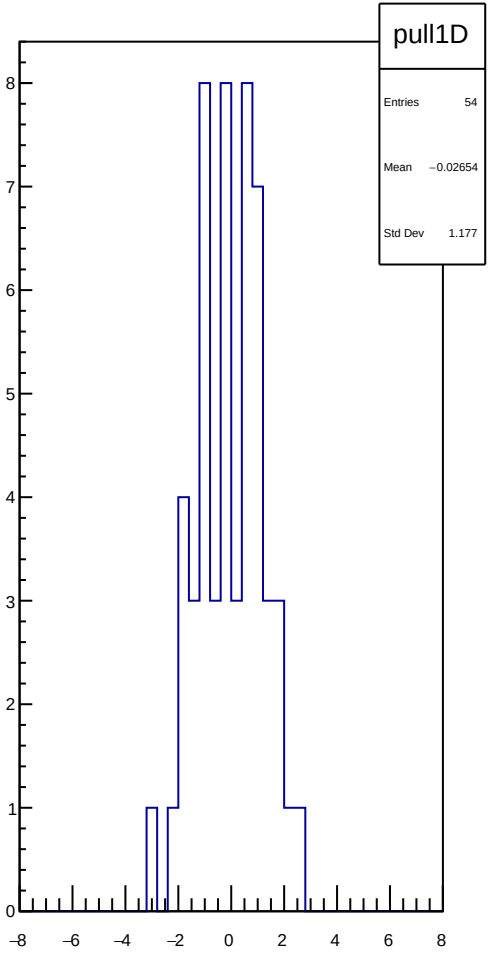

asym_atr1_correction_rms vs run
χ² / ndf 4.843e+04 / 53
p0 382.4 ± 0.376
650
600
550
500
450
400
350
300
250
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

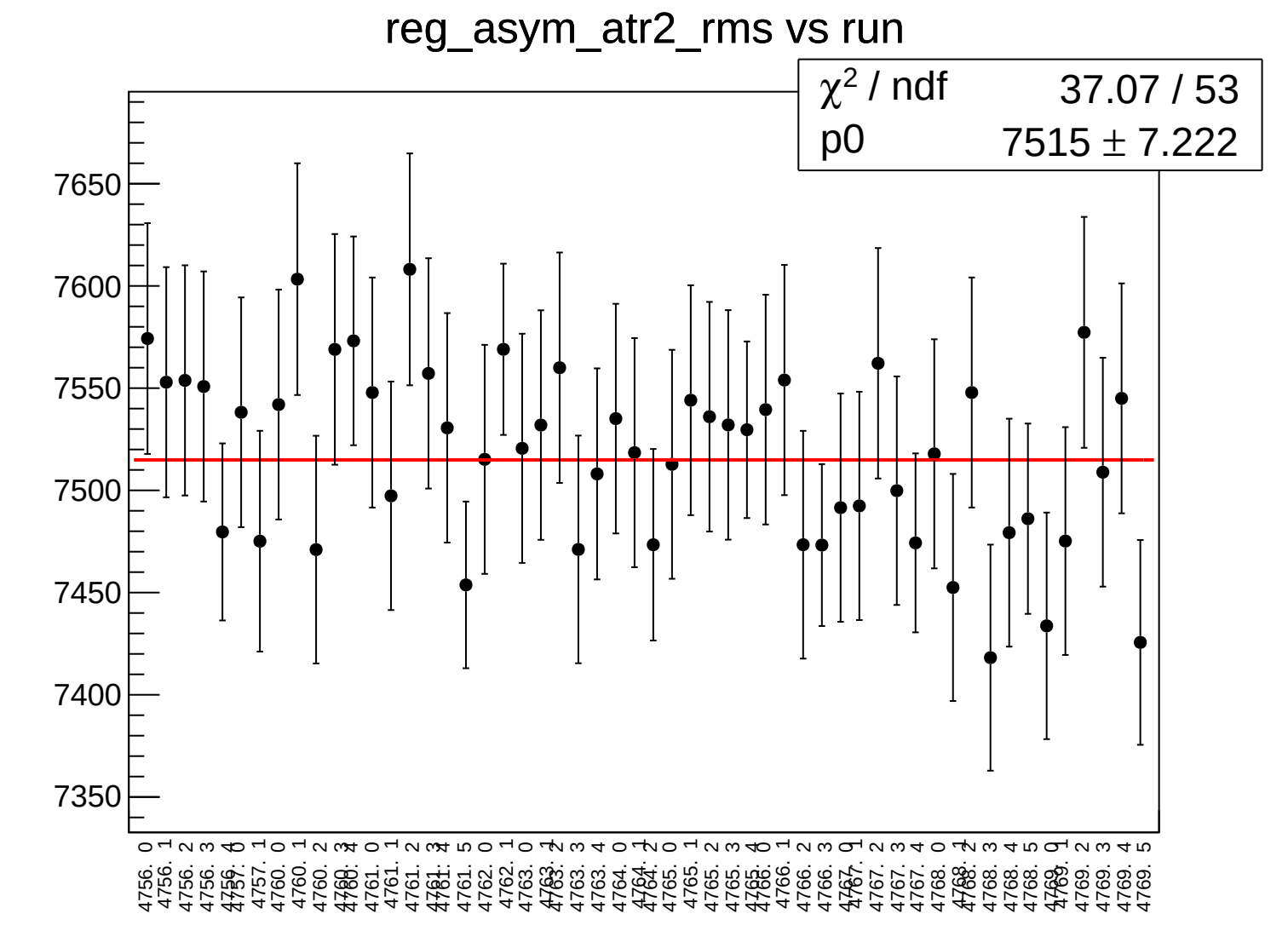

asym_atr1_mean vs run
×10^3
χ² / ndf 66.66 / 53
p0 7619 ± 1.219e+04
pull
Entries 54
Mean 190.7
Std Dev 164.1

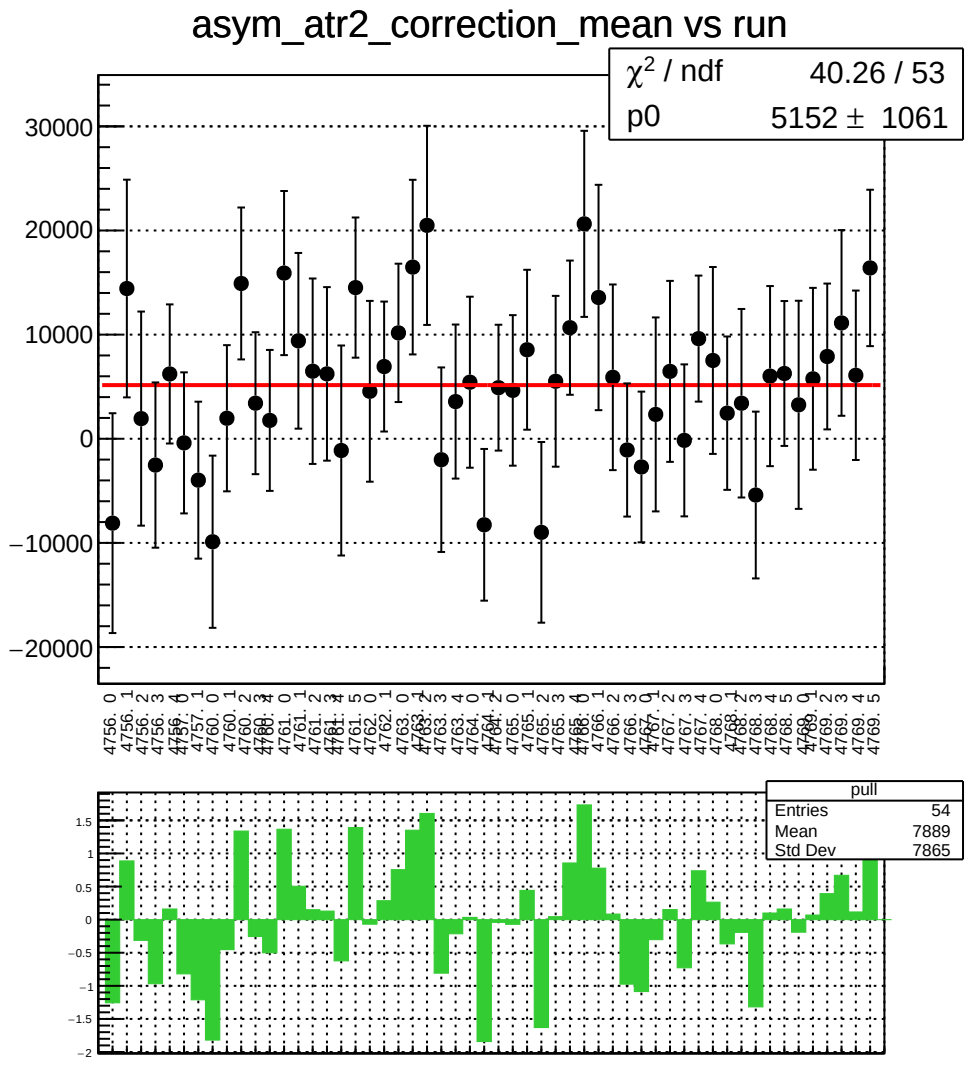

pull1D
Entries 54
Mean −0.01641
Std Dev 1.111

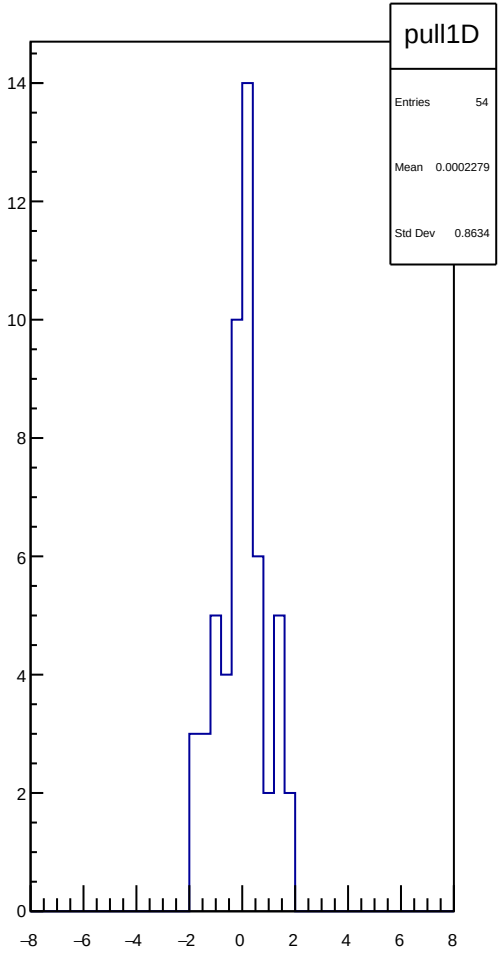

asym_atr1_rms vs run
χ² / ndf 42.79 / 53
p0 8970 ± 8.621
9200
9150
9100
9050
9000
8950
8900
8850
8800
8750
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

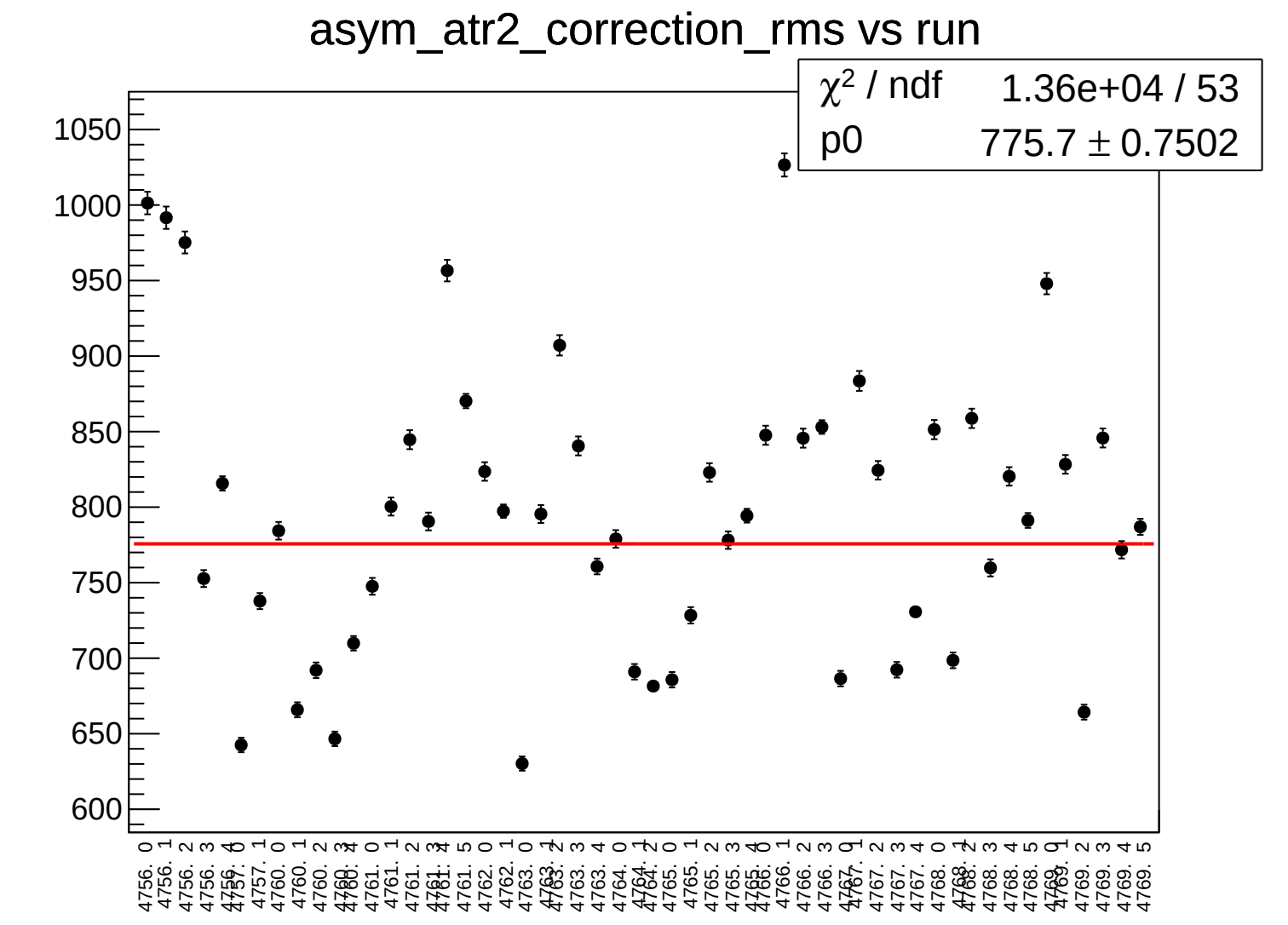

reg_asym_atr2_mean vs run
×10^3
χ² / ndf 74.88 / 53
p0 −4192 ± 1.021e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean 20.18
Std Dev 21.58
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean −0.02654
Std Dev 1.177
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr2_rms vs run
χ² / ndf 37.07 / 53
p0 7515 ± 7.222
7650
7600
7550
7500
7450
7400
7350
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_atr2_correction_mean vs run
χ^2 / ndf 40.26 / 53
p0 5152 ± 1061
30000
20000
10000
0
−10000
−20000
pull
Entries 54
Mean 7889
Std Dev 7865
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.0002279
Std Dev 0.8634
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_correction_rms vs run
χ² / ndf 1.36e+04 / 53
p0 775.7 ± 0.7502
1050
1000
950
900
850
800
750
700
650
600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
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4764. 2
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4766. 2
4766. 3
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4767. 0
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4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
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4768. 4
4768. 5
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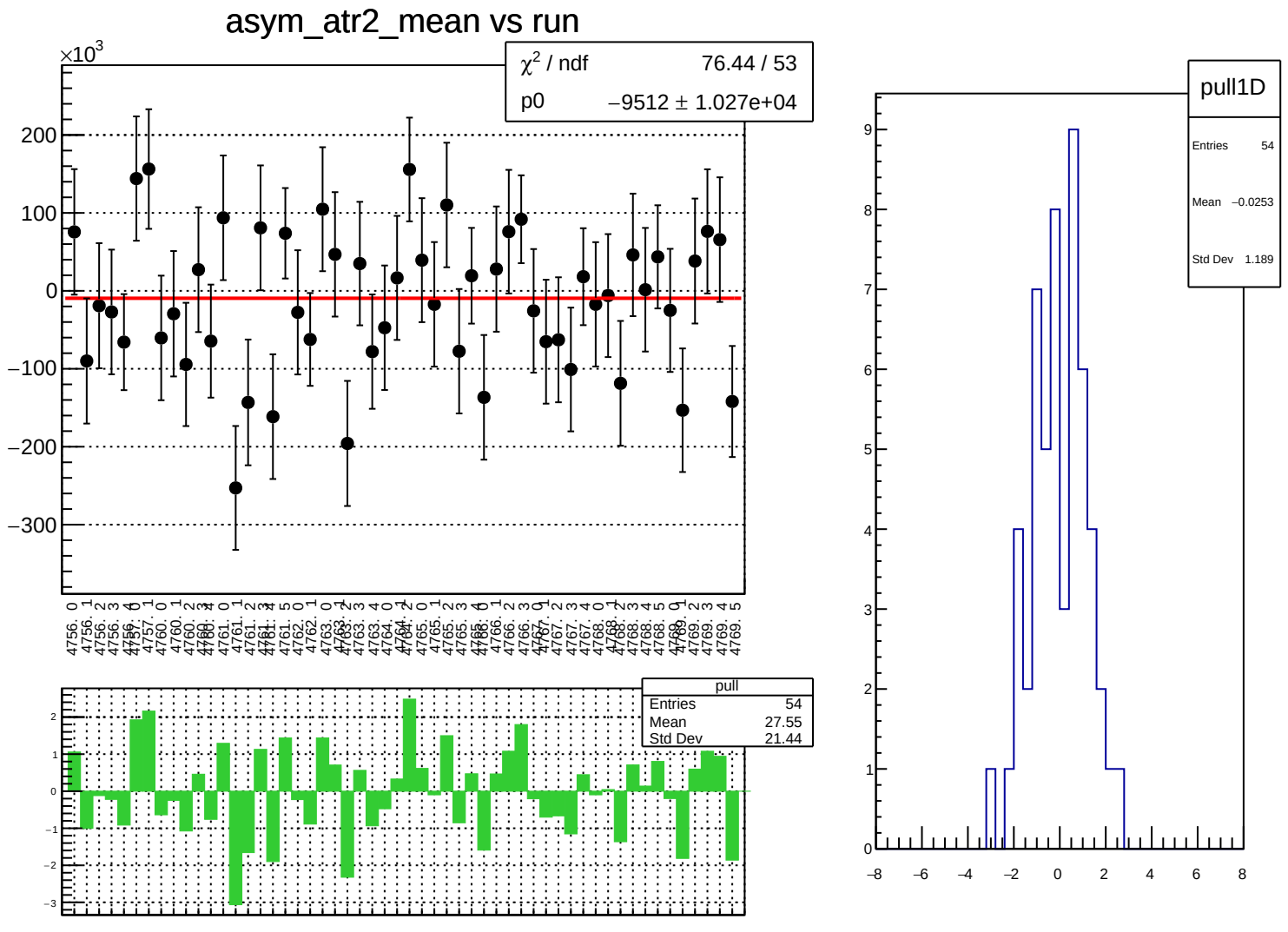
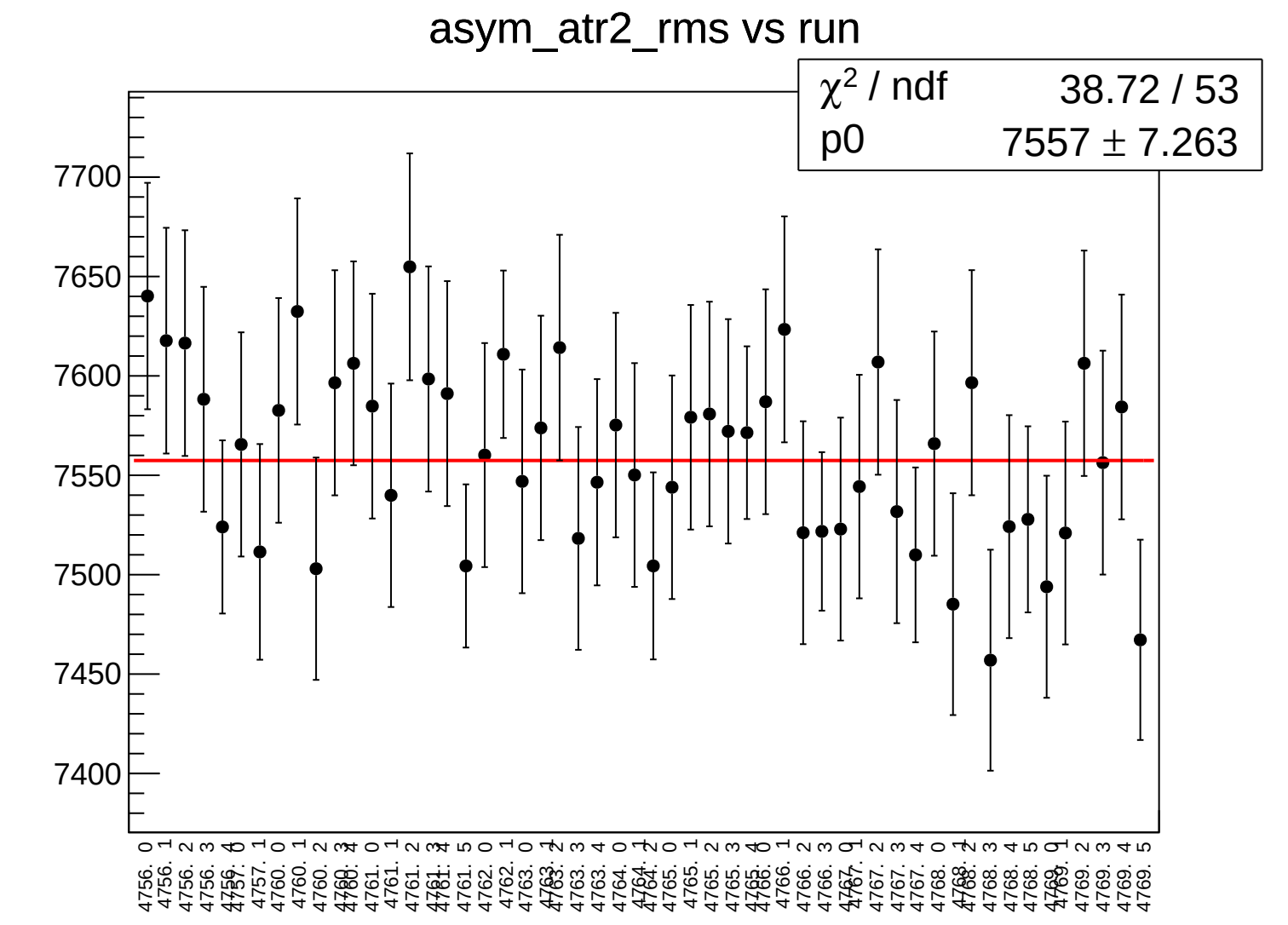
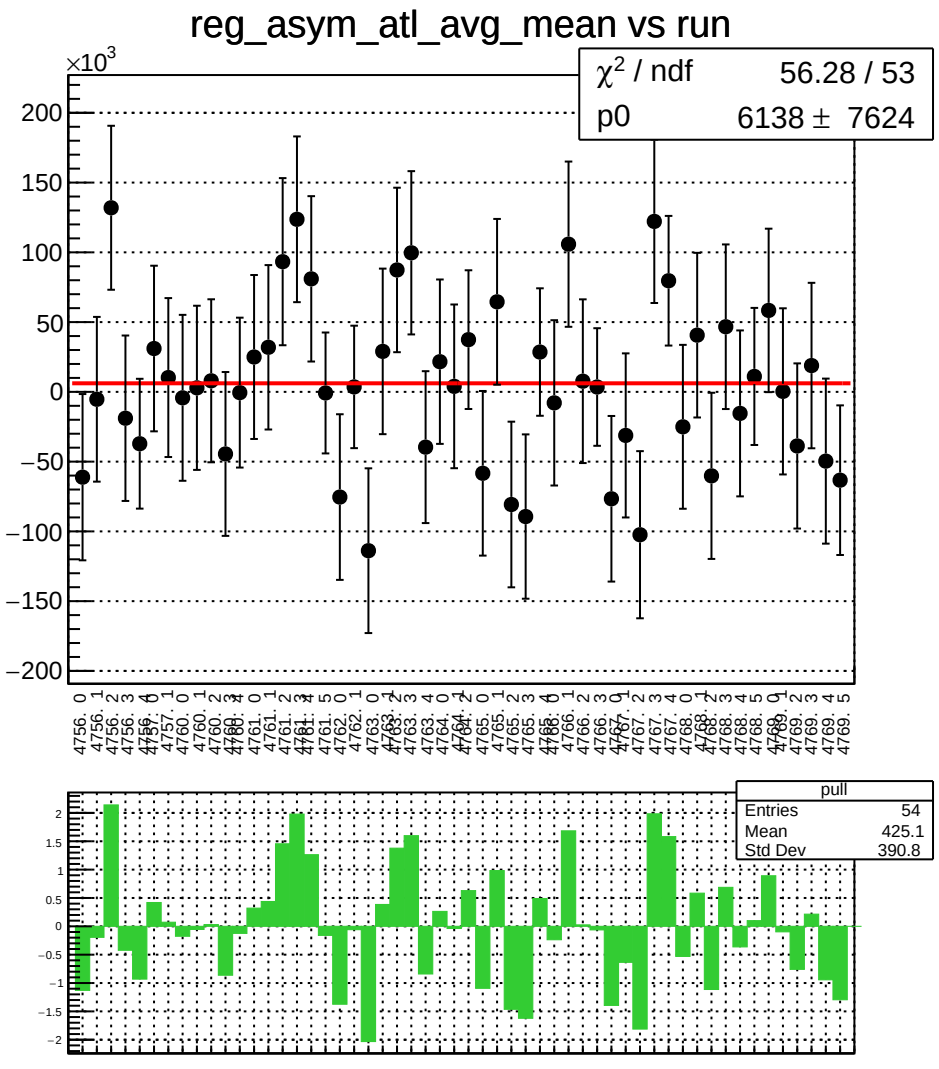
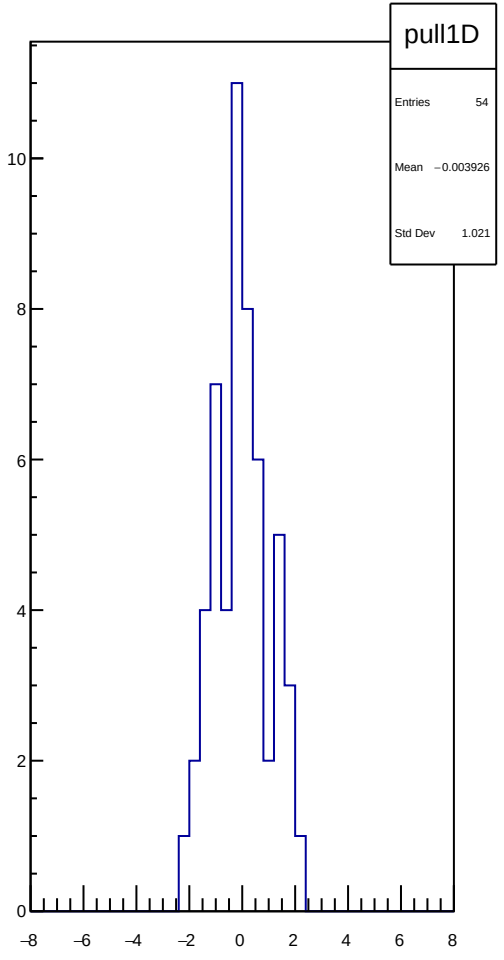
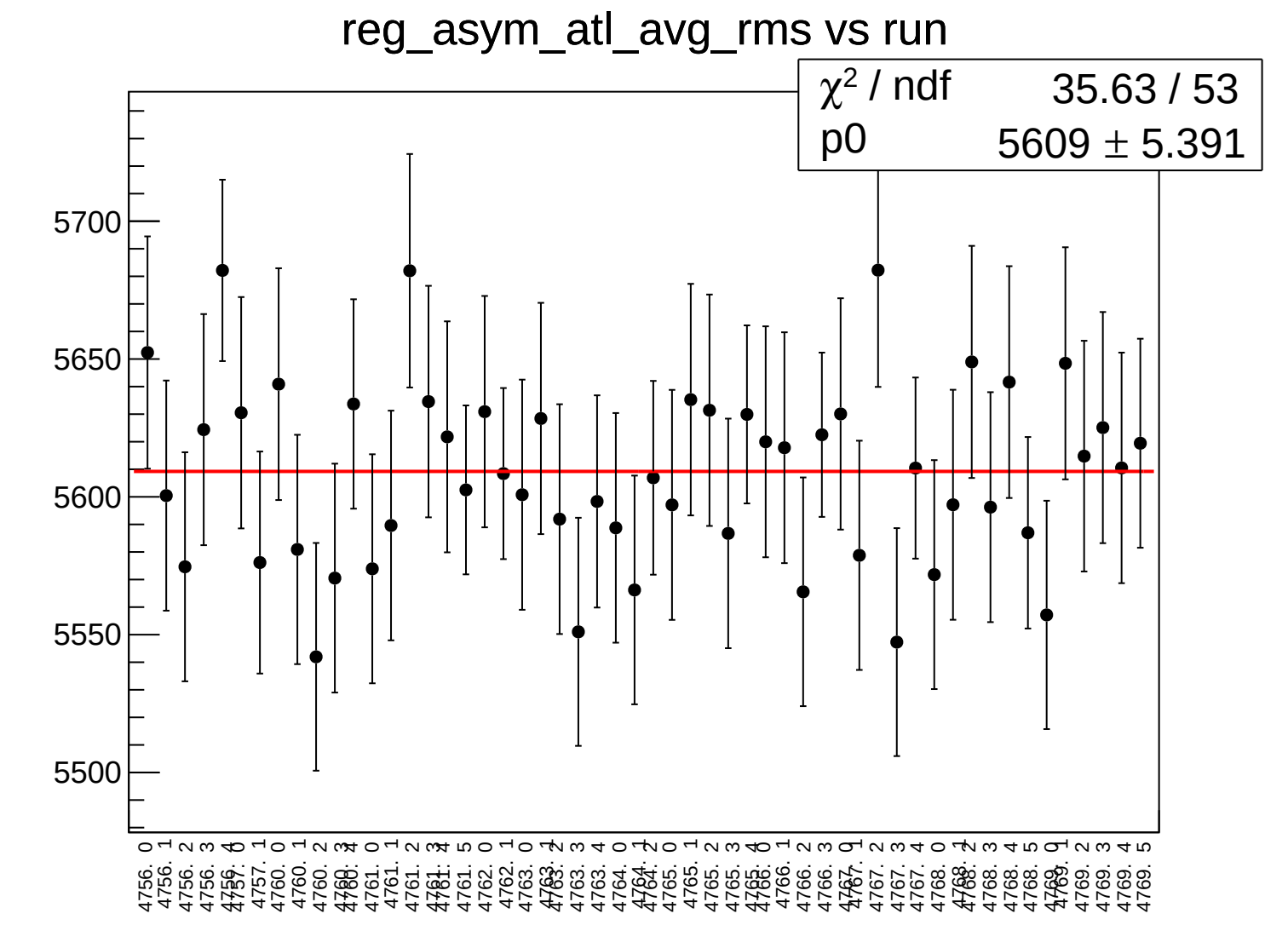
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_atr2_mean vs run
×10^3
χ² / ndf 76.44 / 53
p0 −9512 ± 1.027e+04
200
100
0
−100
−200
−300
pull
Entries 54
Mean 27.55
Std Dev 21.44
pull1D
Entries 54
Mean −0.0253
Std Dev 1.189


asym_atr2_rms vs run
χ² / ndf 38.72 / 53
p0 7557 ± 7.263
7700
7650
7600
7550
7500
7450
7400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_atl_avg_mean vs run
χ² / ndf 56.28 / 53
p0 6138 ± 7624
pull
Entries 54
Mean 425.1
Std Dev 390.8


pull1D
Entries 54
Mean −0.003926
Std Dev 1.021


reg_asym_atl_avg_rms vs run
χ^2 / ndf 35.63 / 53
p0 5609 ± 5.391
5700
5650
5600
5550
5500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
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4767. 4
4768. 0
4768. 1
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4768. 5
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4769. 2
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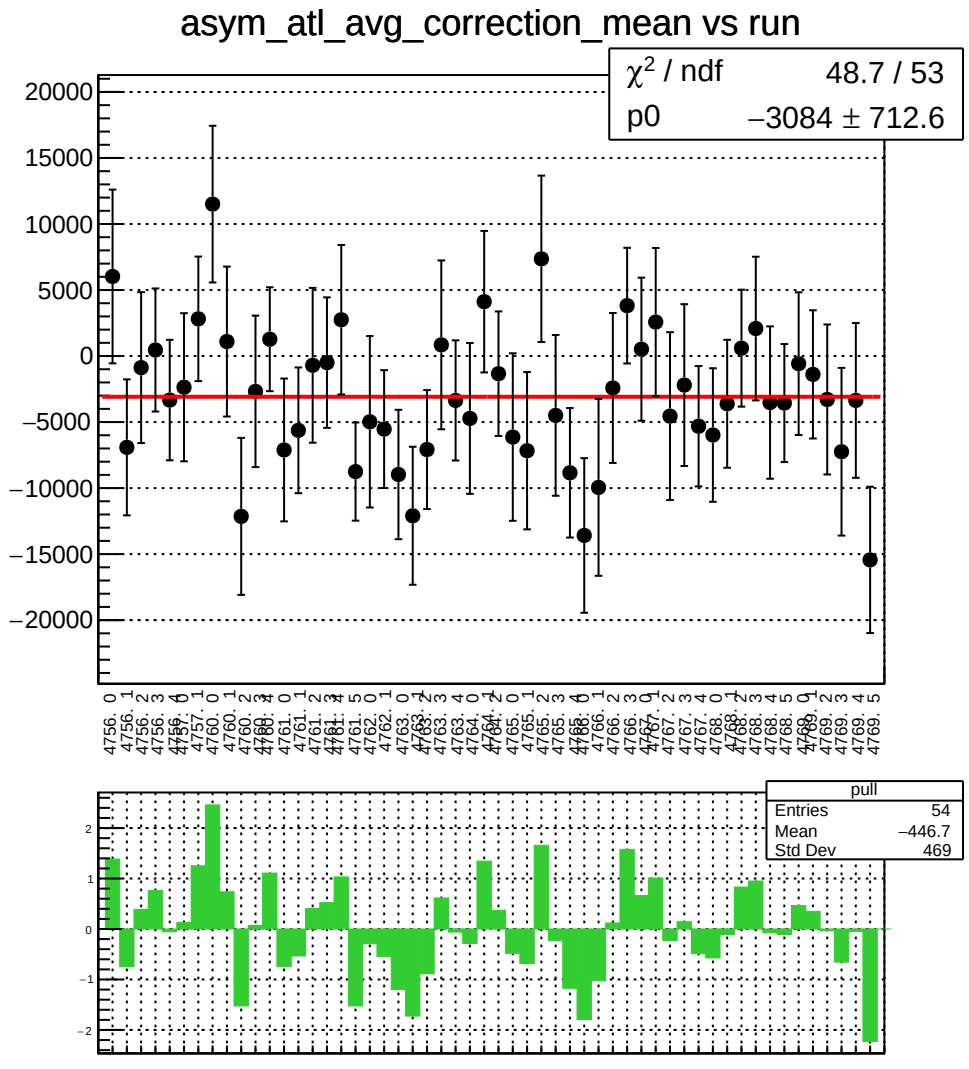
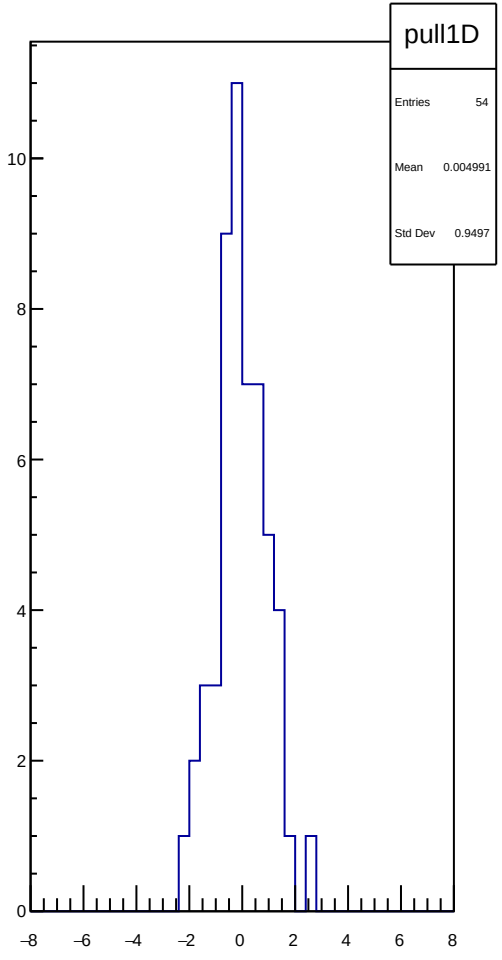
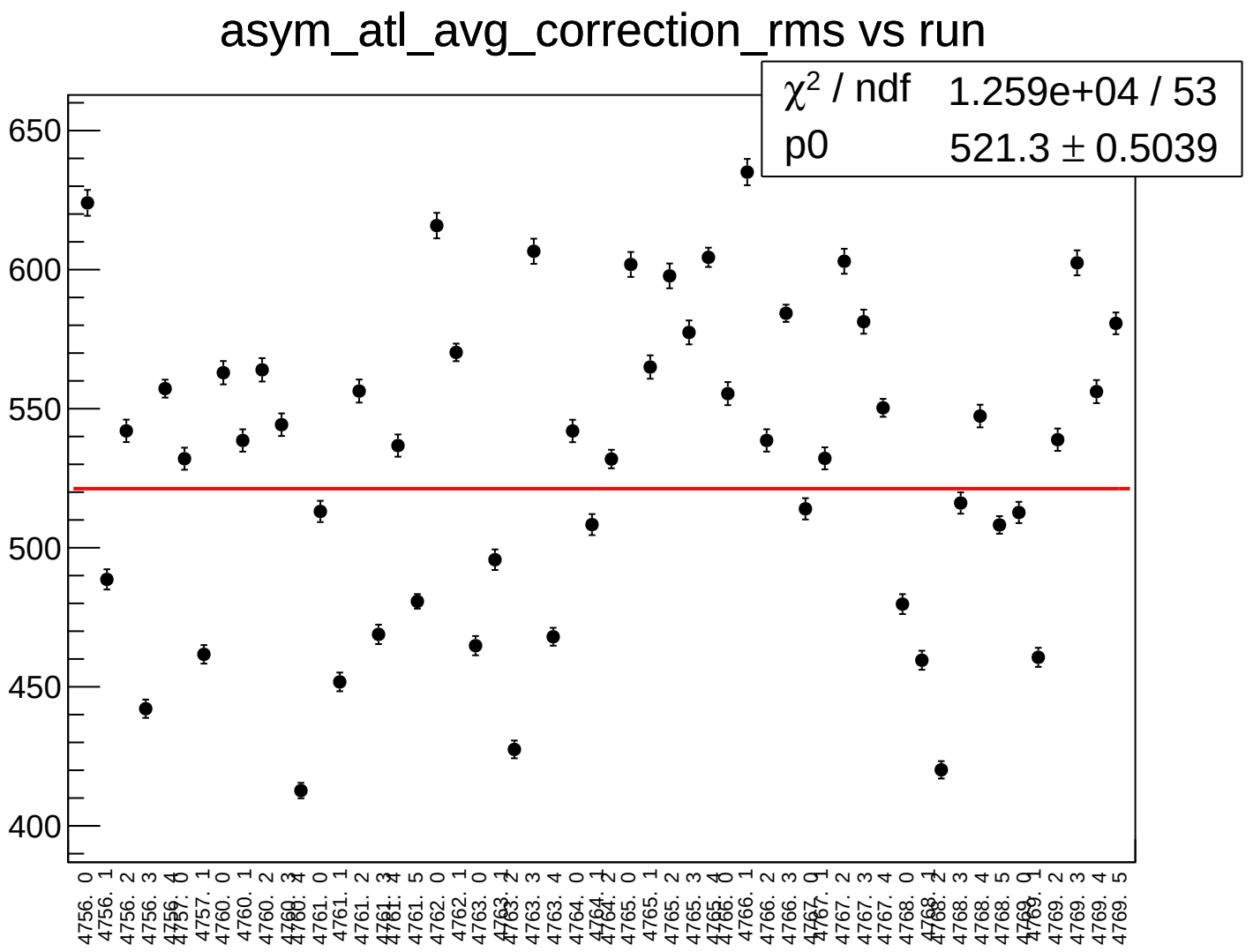
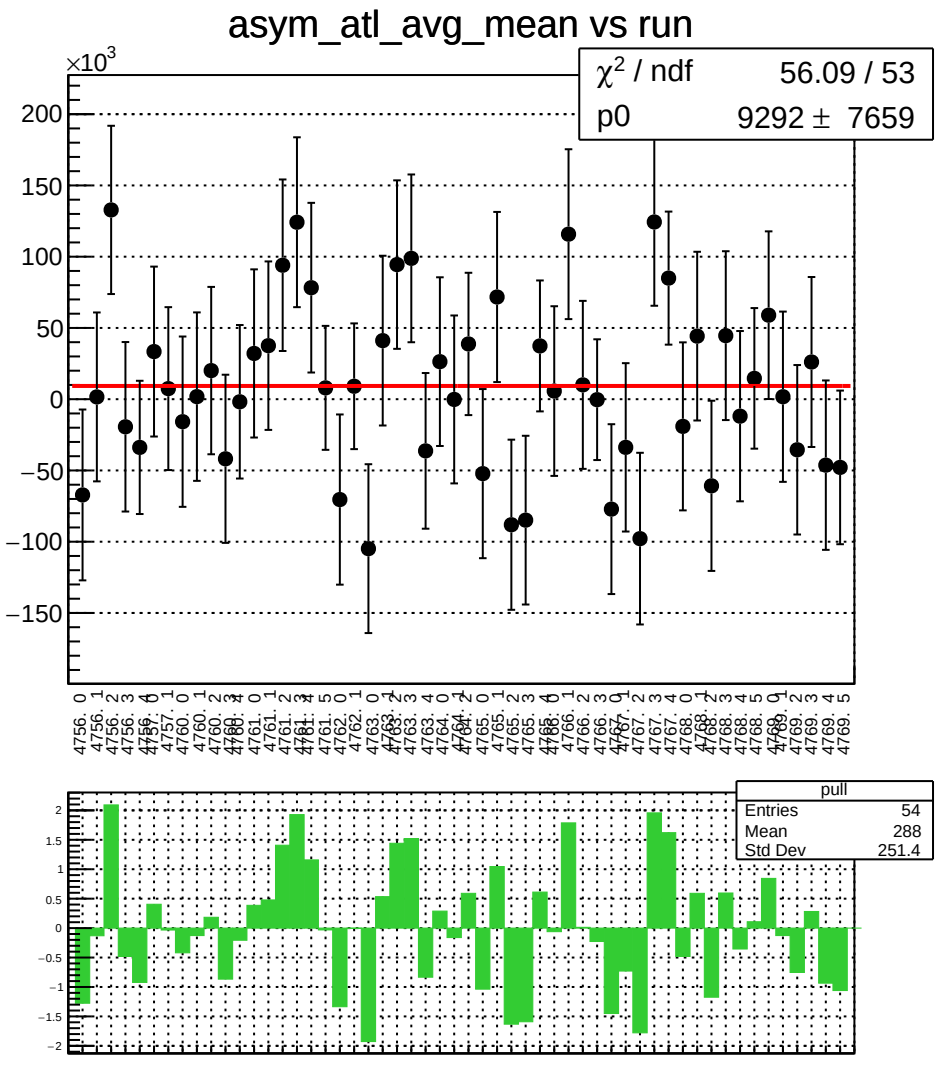
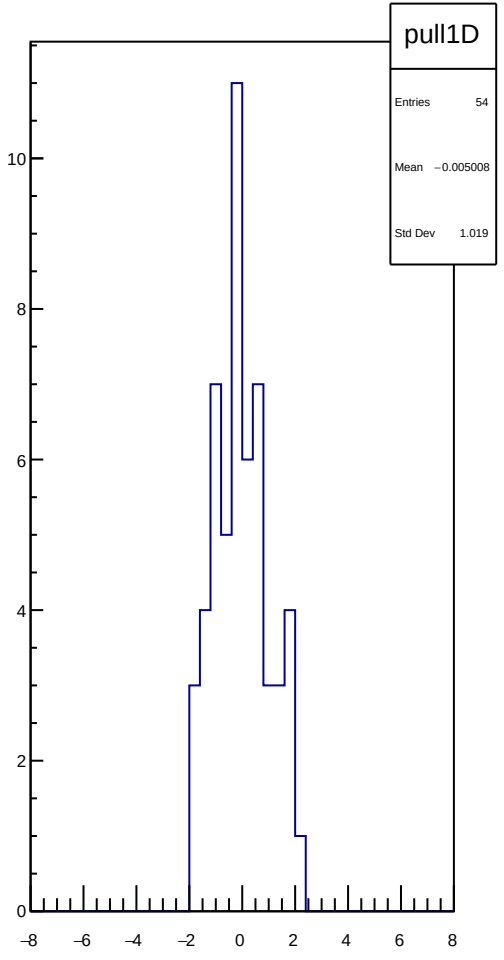
4769. 4
4769. 5

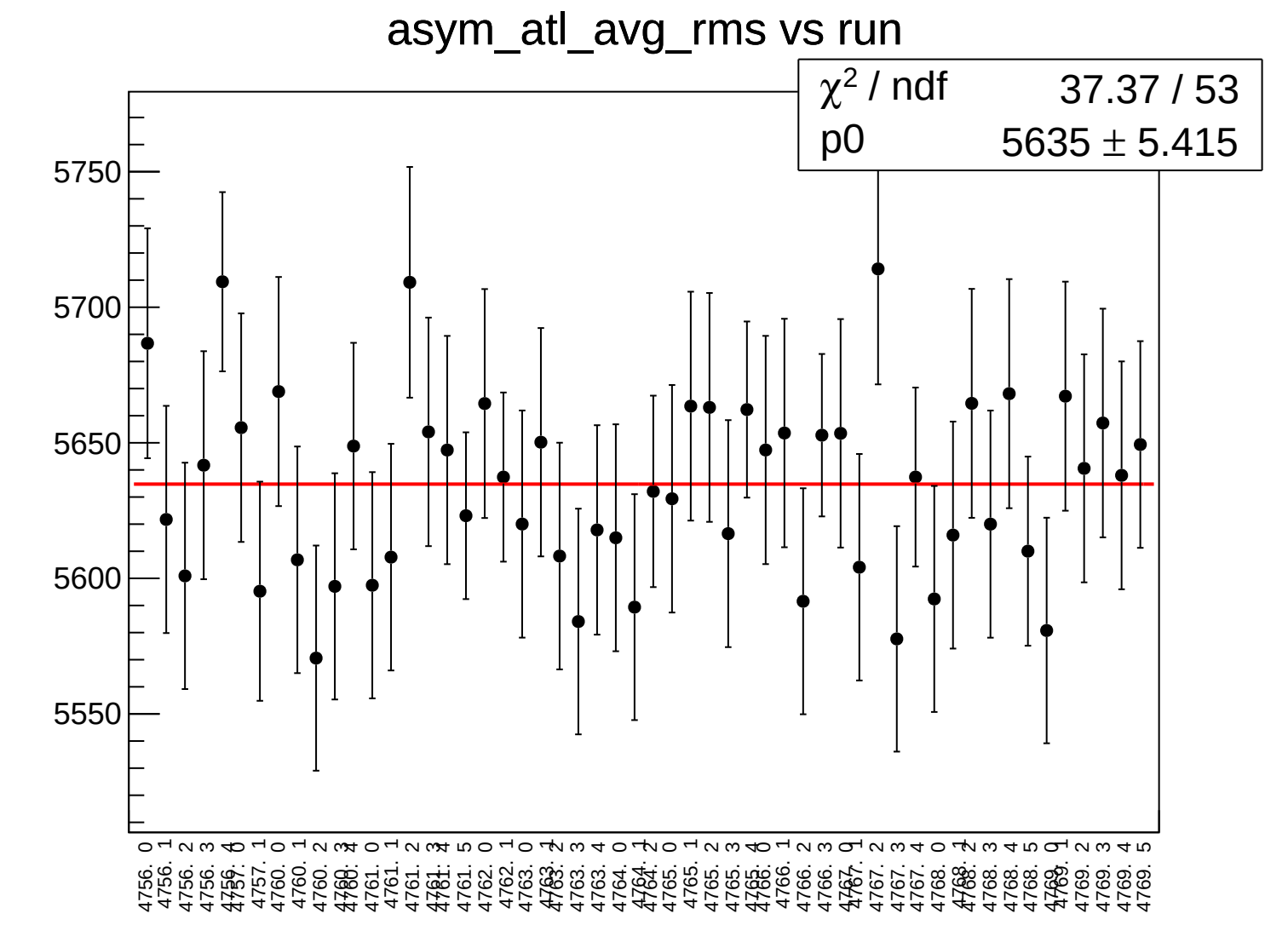

asym_atl_avg_correction_mean vs run
χ² / ndf 48.7 / 53
p0 −3084 ± 712.6
pull
Entries 54
Mean −446.7
Std Dev 469

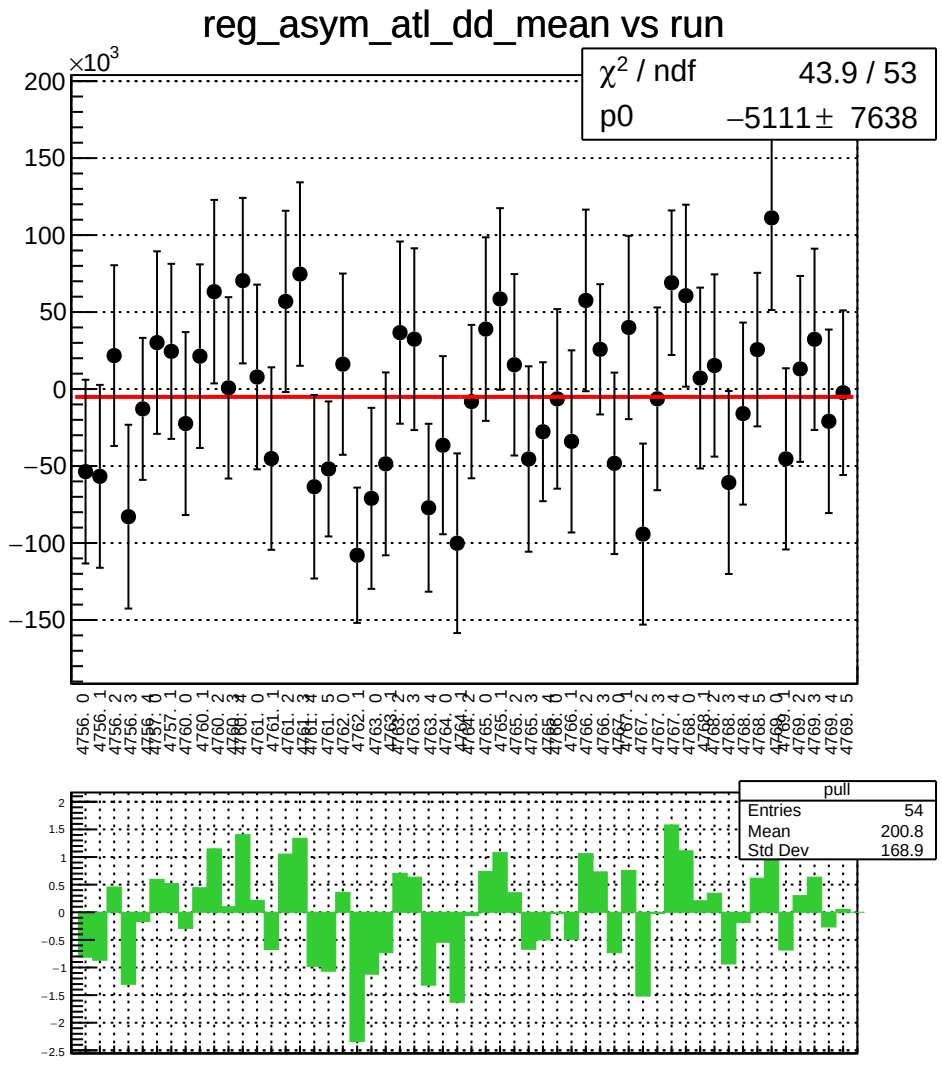

pull1D
Entries 54
Mean 0.004991
Std Dev 0.9497

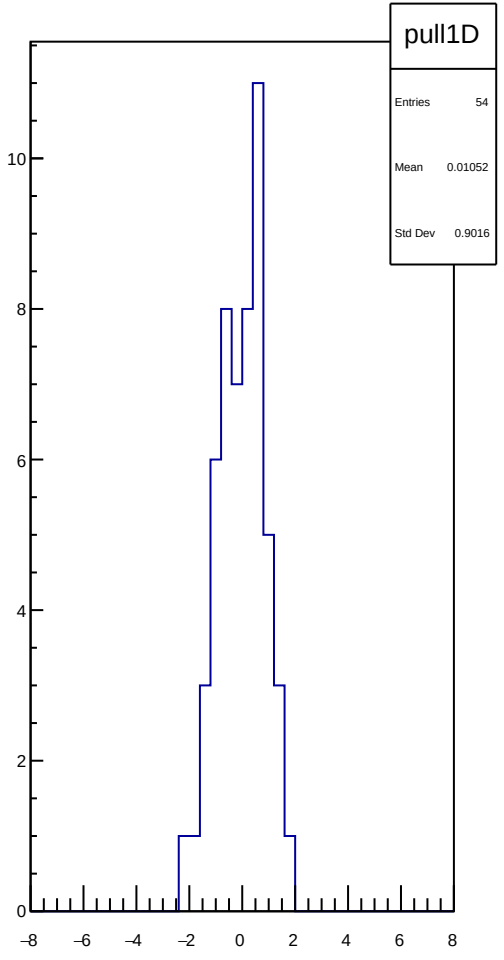

asym_atl_avg_correction_rms vs run
χ² / ndf 1.259e+04 / 53
p0 521.3 ± 0.5039
650
600
550
500
450
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

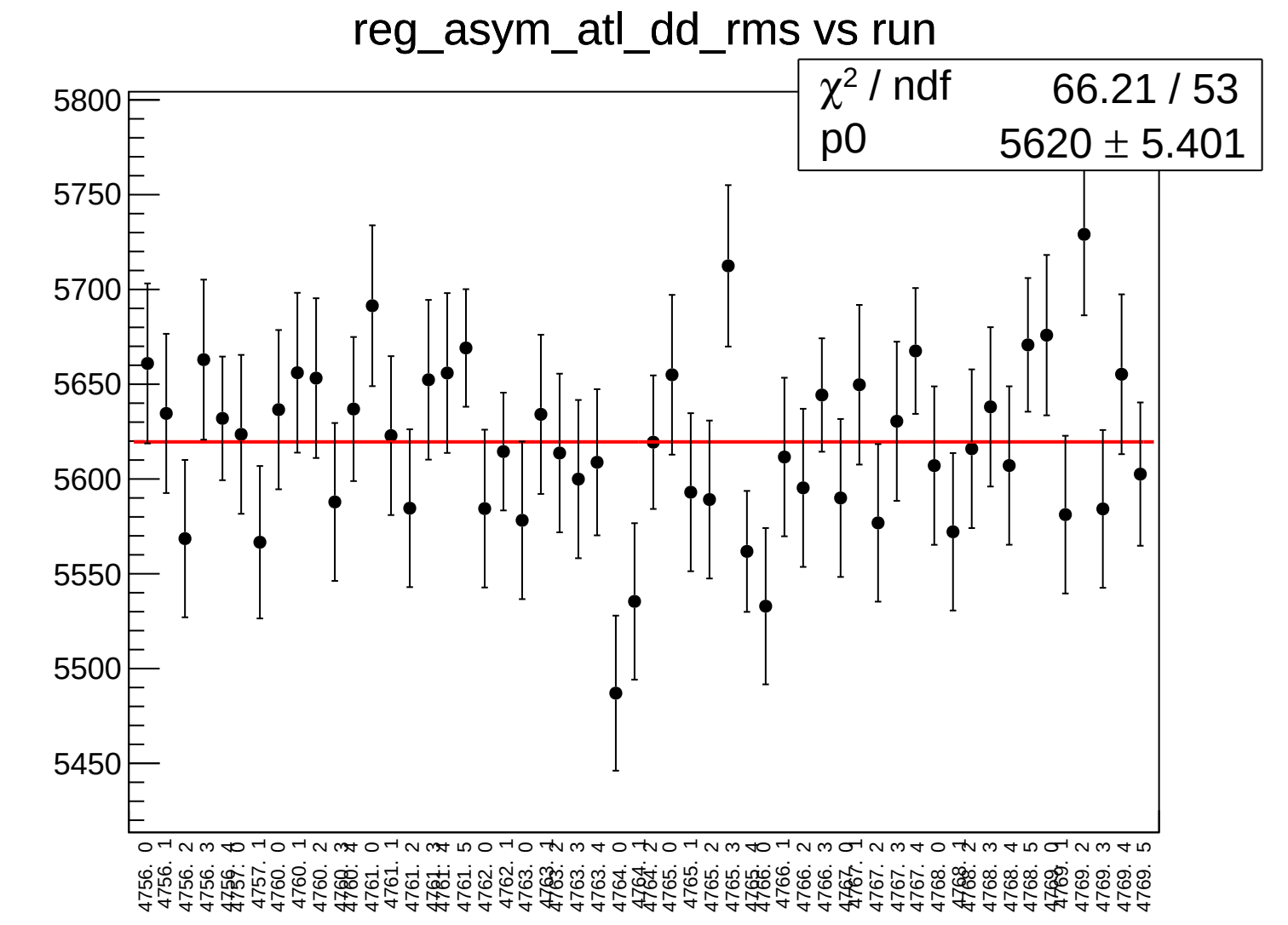

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 56.09 / 53
p0 9292 ± 7659
pull
Entries 54
Mean 288
Std Dev 251.4

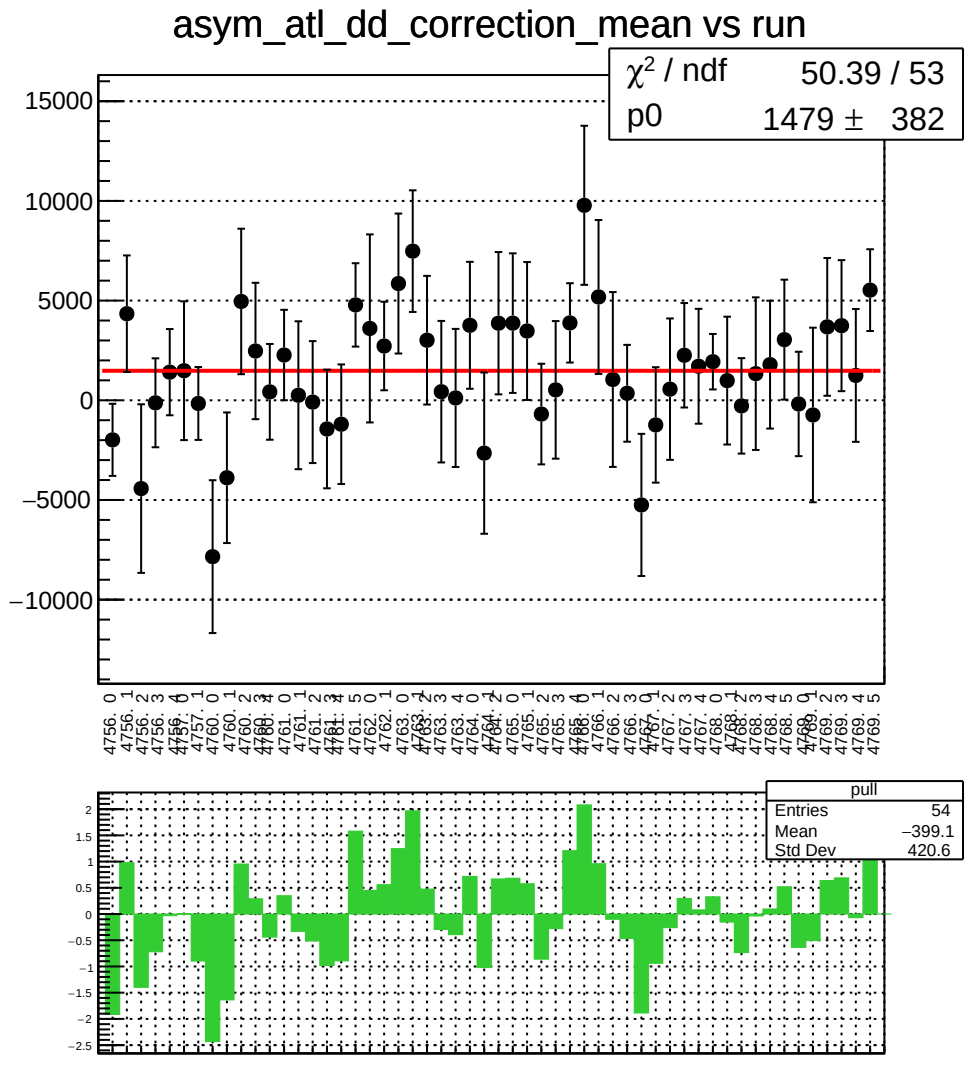

pull1D
Entries 54
Mean −0.005008
Std Dev 1.019

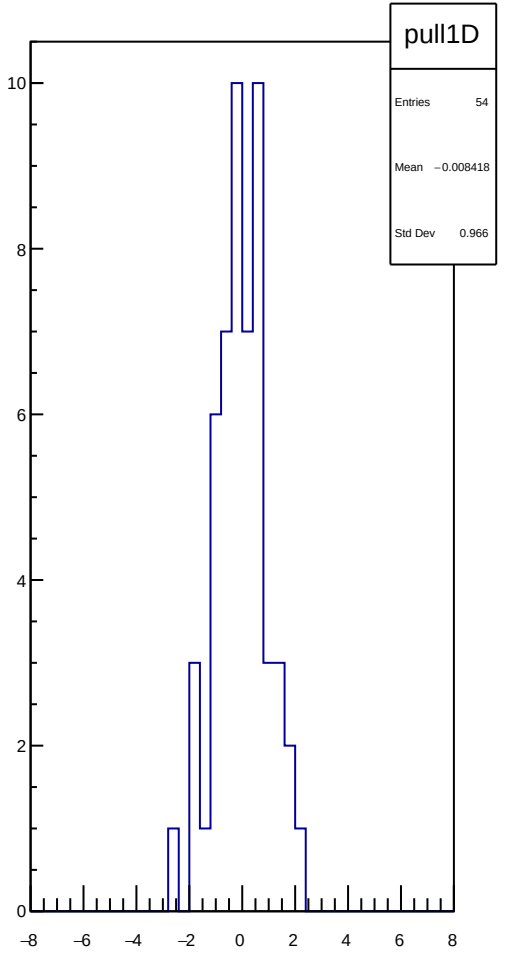

asym_atl_avg_rms vs run
χ² / ndf 37.37 / 53
p0 5635 ± 5.415
5750
5700
5650
5600
5550
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

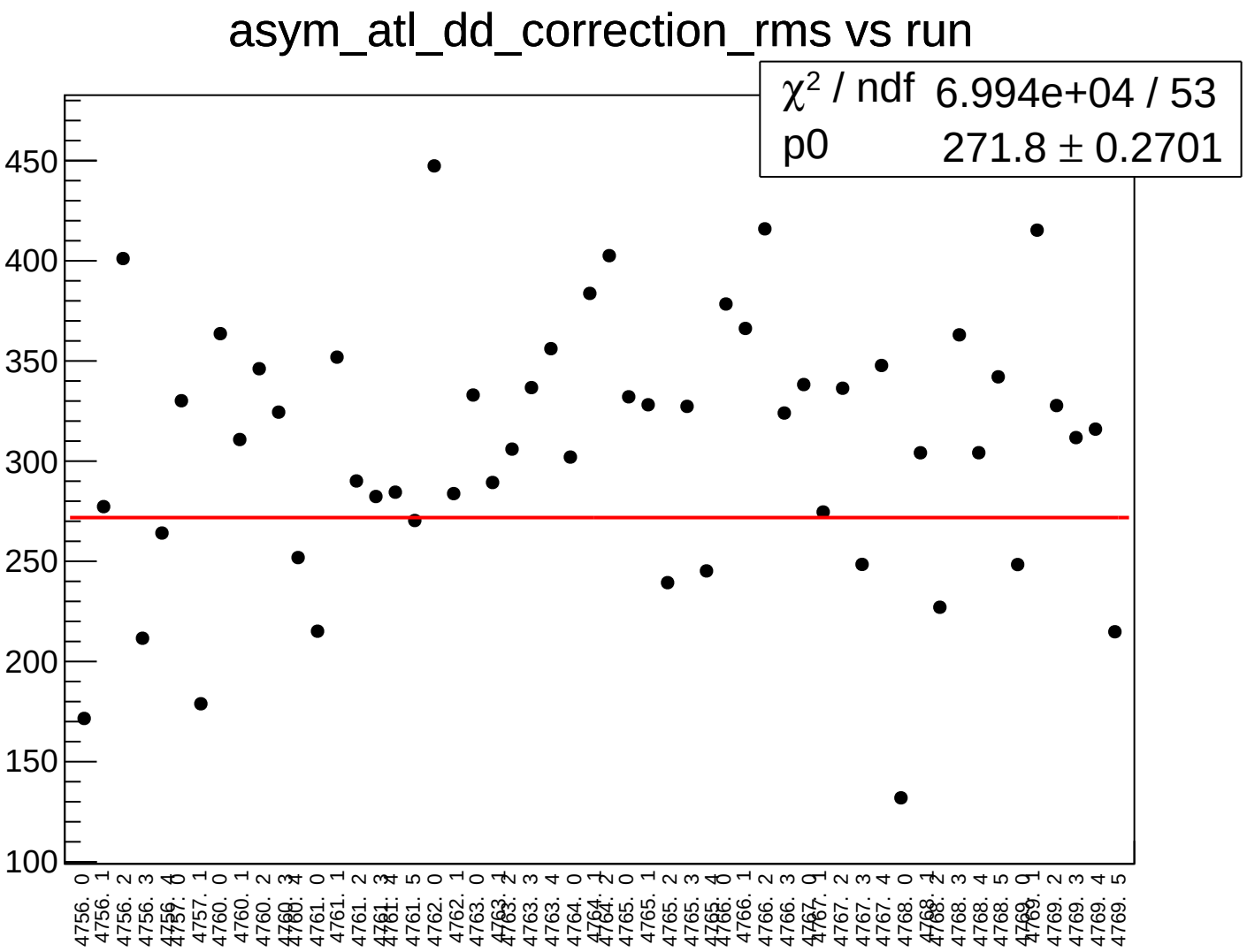

reg_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 43.9 / 53
p0 −5111 ± 7638
pull
Entries 54
Mean 200.8
Std Dev 168.9

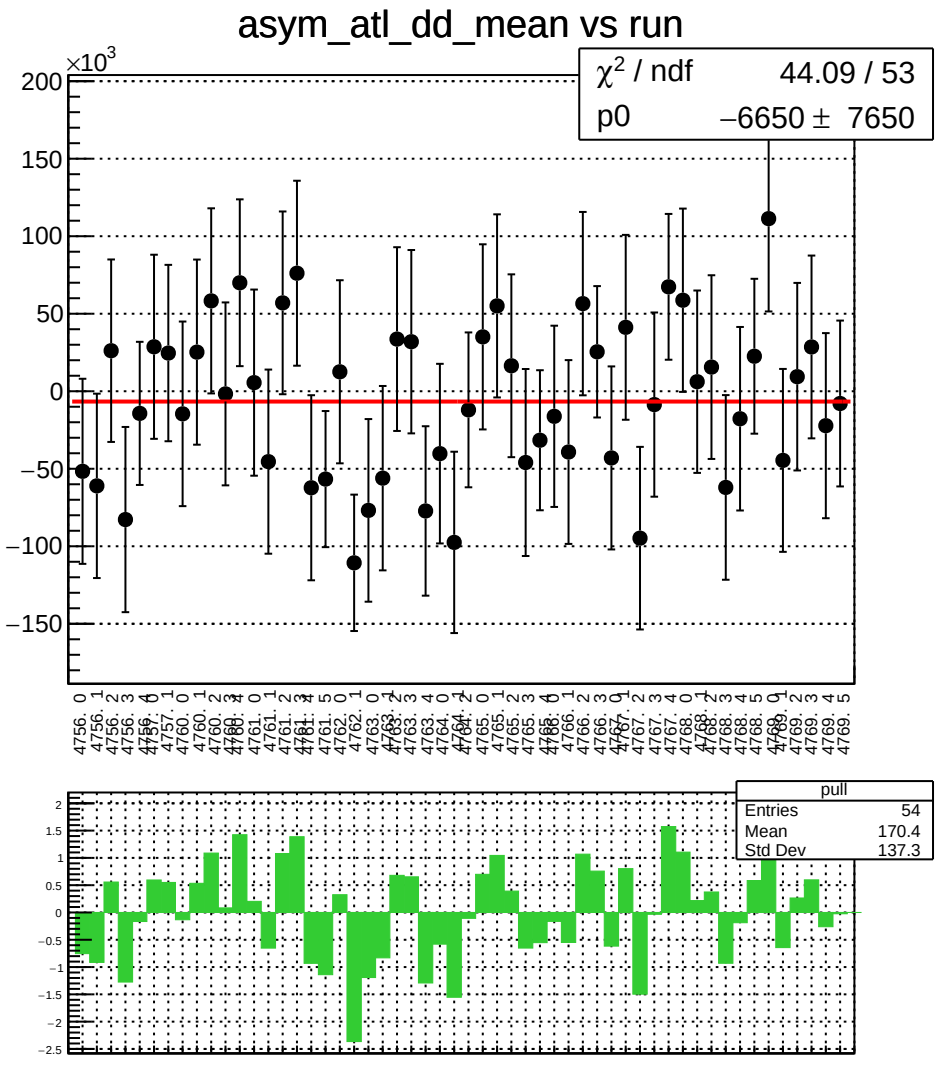

pull1D
Entries 54
Mean 0.01052
Std Dev 0.9016

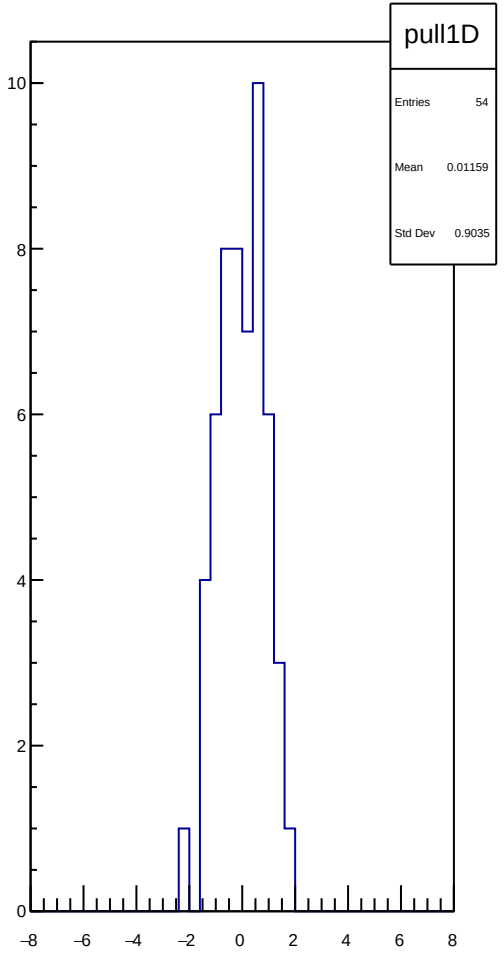

reg_asym_atl_dd_rms vs run
χ^2 / ndf 66.21 / 53
p0 5620 ± 5.401
5800
5750
5700
5650
5600
5550
5500
5450
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

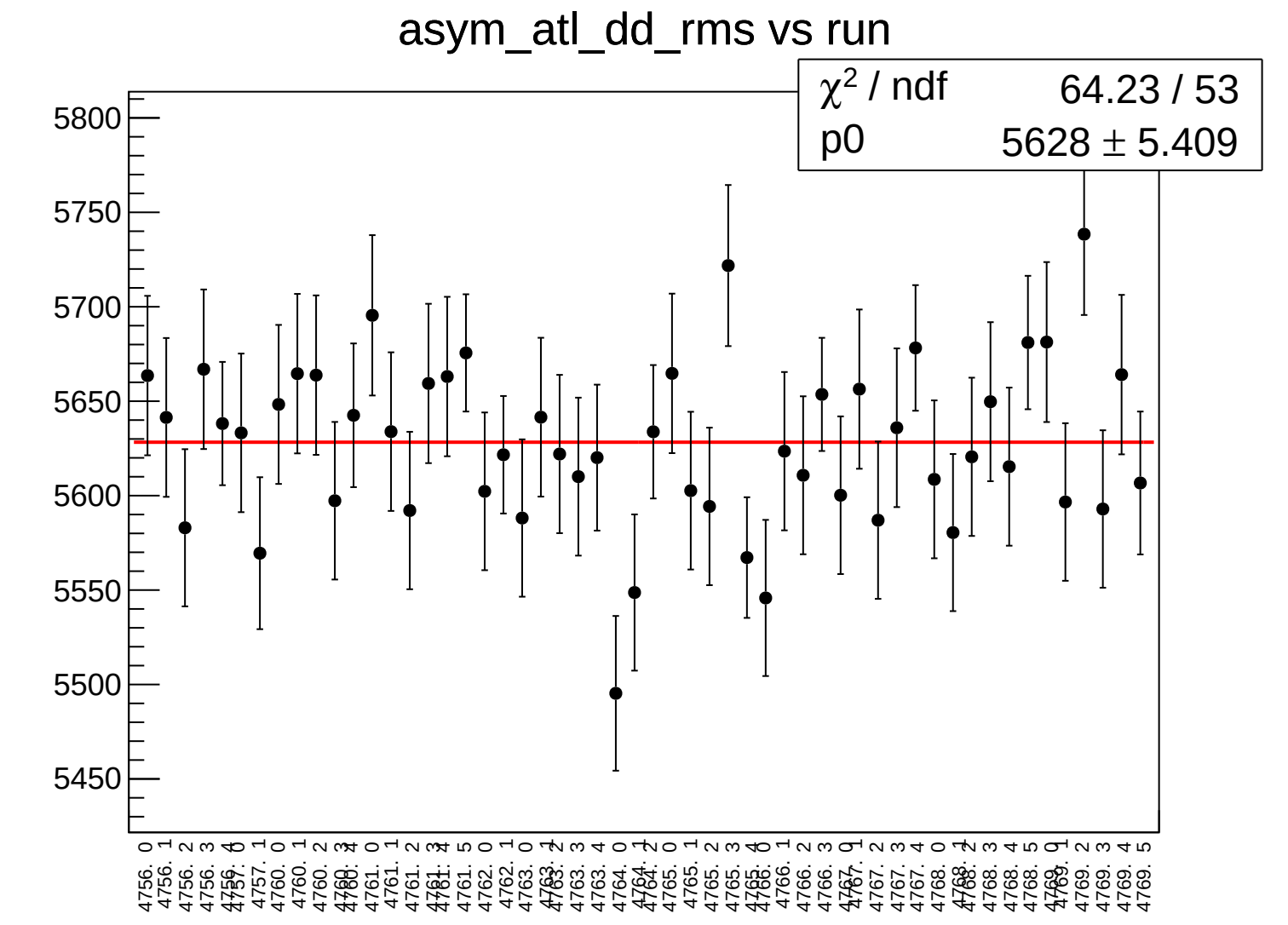

asym_atl_dd_correction_mean vs run
χ² / ndf 50.39 / 53
p0 1479 ± 382
pull
Entries 54
Mean −399.1
Std Dev 420.6

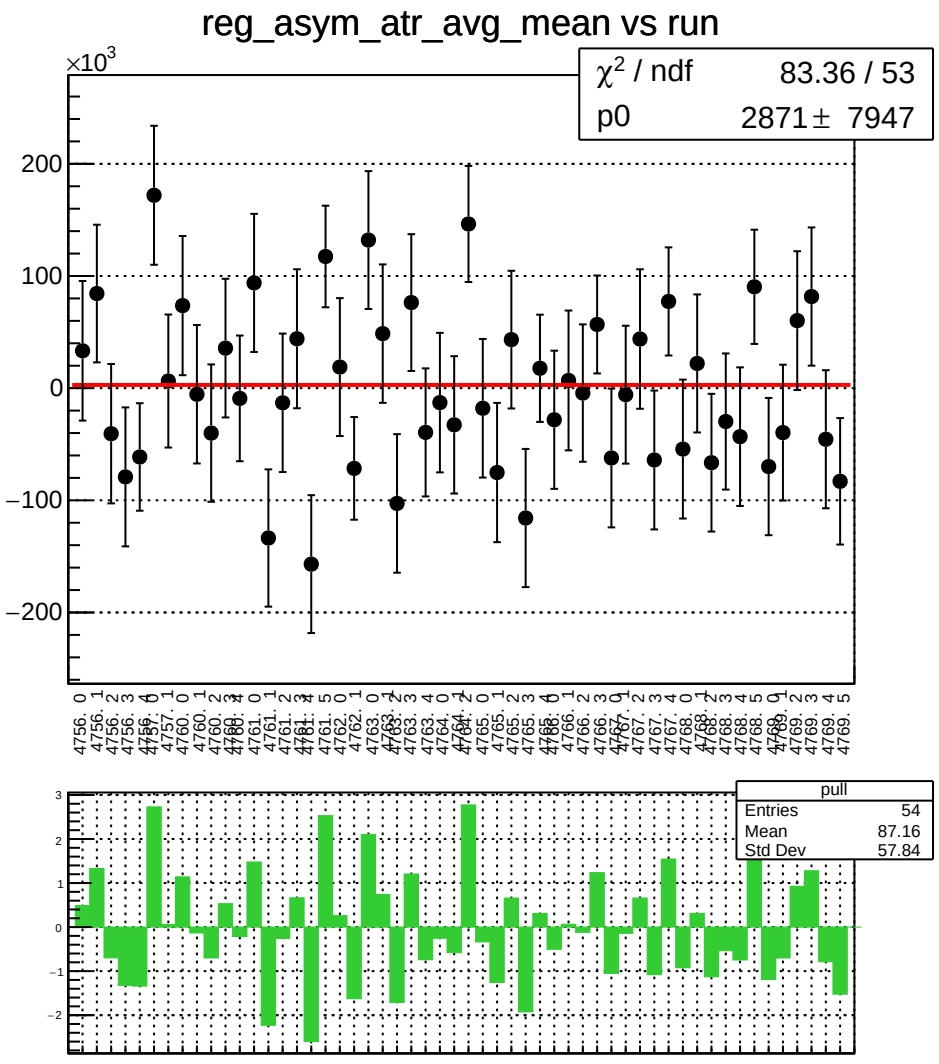

pull1D
Entries 54
Mean −0.008418
Std Dev 0.966

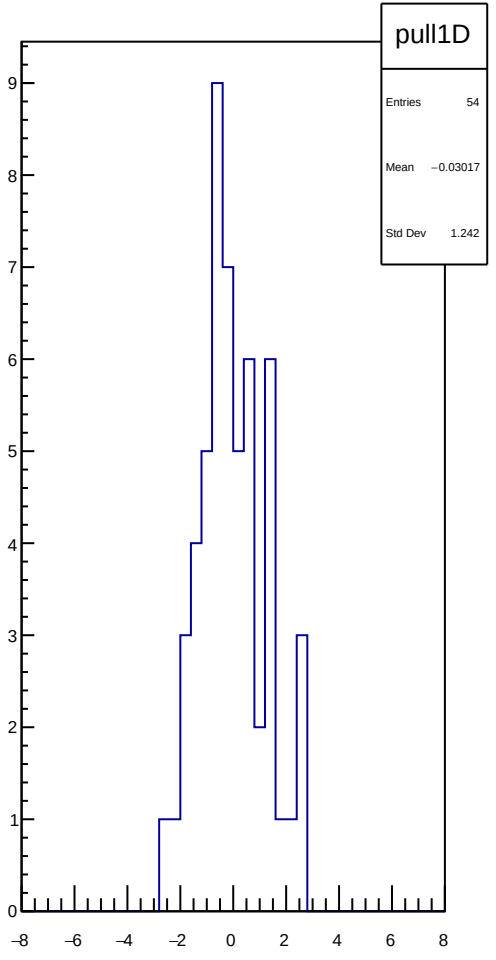

asym_atl_dd_correction_rms vs run
χ² / ndf 6.994e+04 / 53
p0 271.8 ± 0.2701
450
400
350
300
250
200
150
100
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

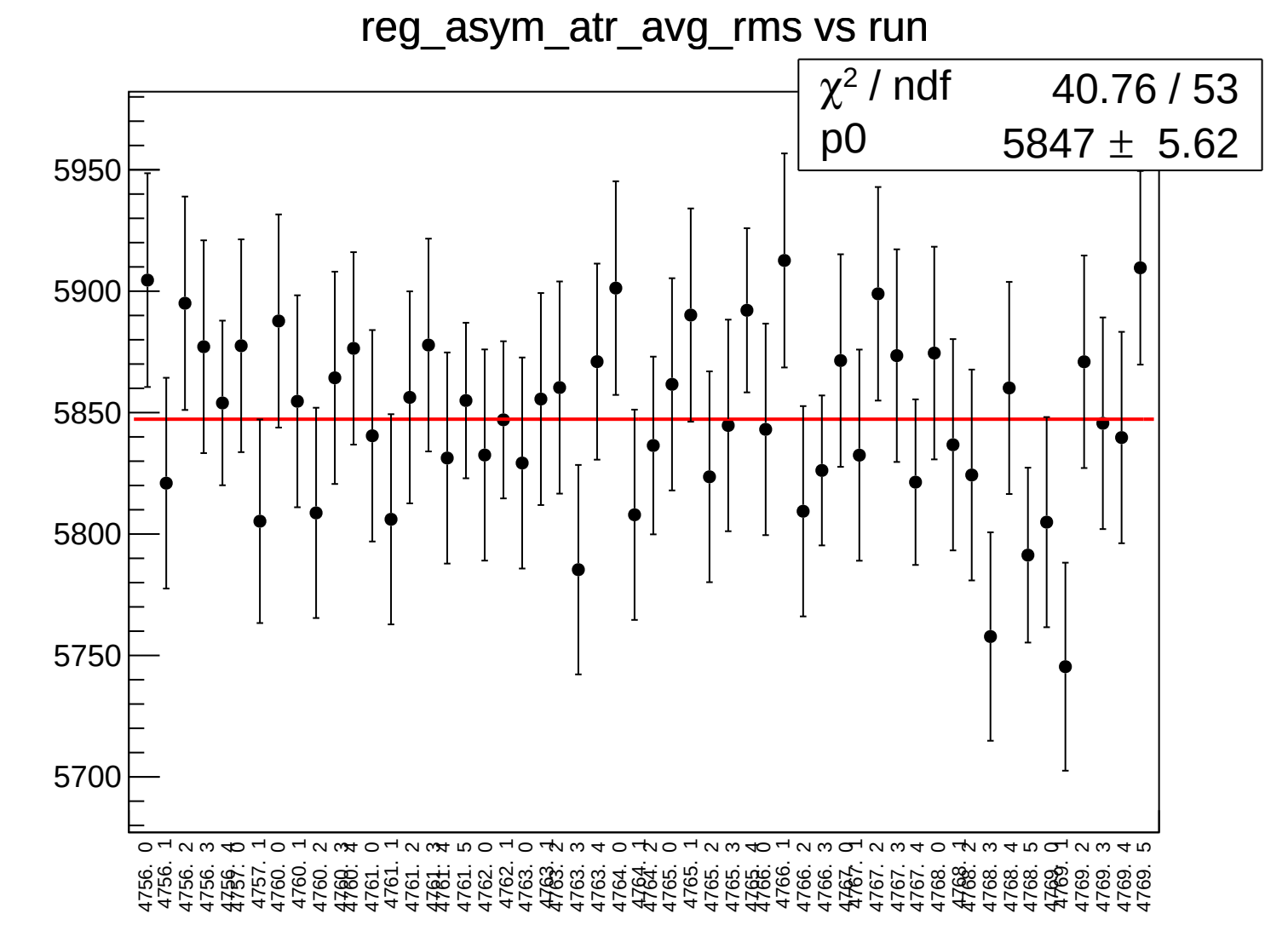

asym_atl_dd_mean vs run
×10^3
χ² / ndf 44.09 / 53
p0 −6650 ± 7650
pull
Entries 54
Mean 170.4
Std Dev 137.3

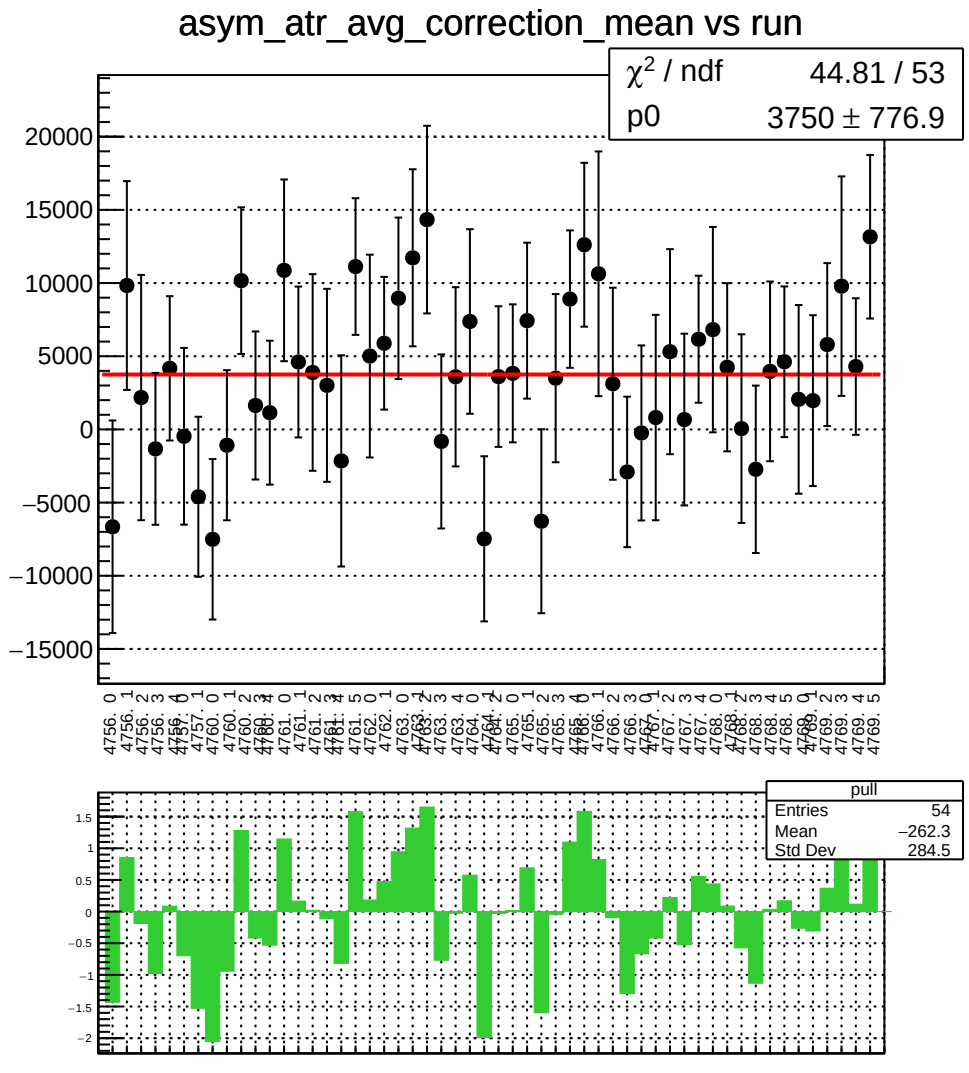

pull1D
Entries 54
Mean 0.01159
Std Dev 0.9035

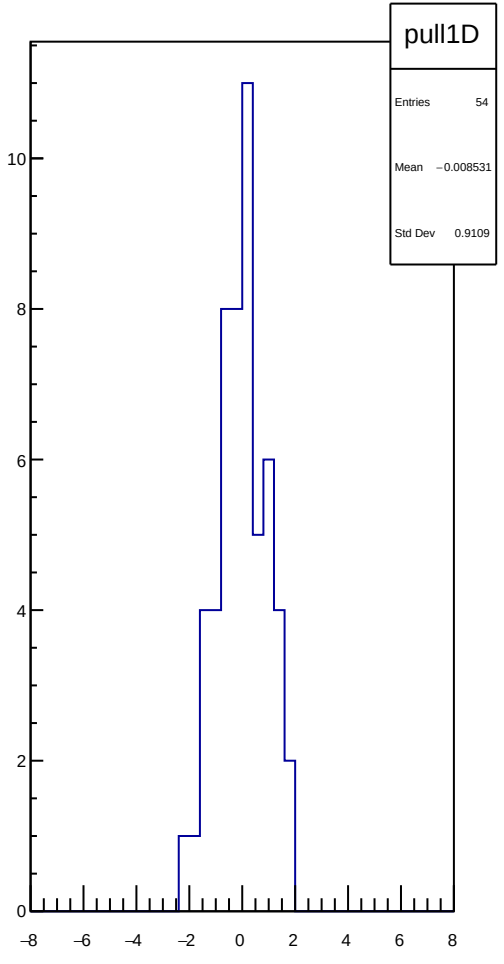

asym_atl_dd_rms vs run
χ^2 / ndf 64.23 / 53
p0 5628 ± 5.409
5800
5750
5700
5650
5600
5550
5500
5450
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

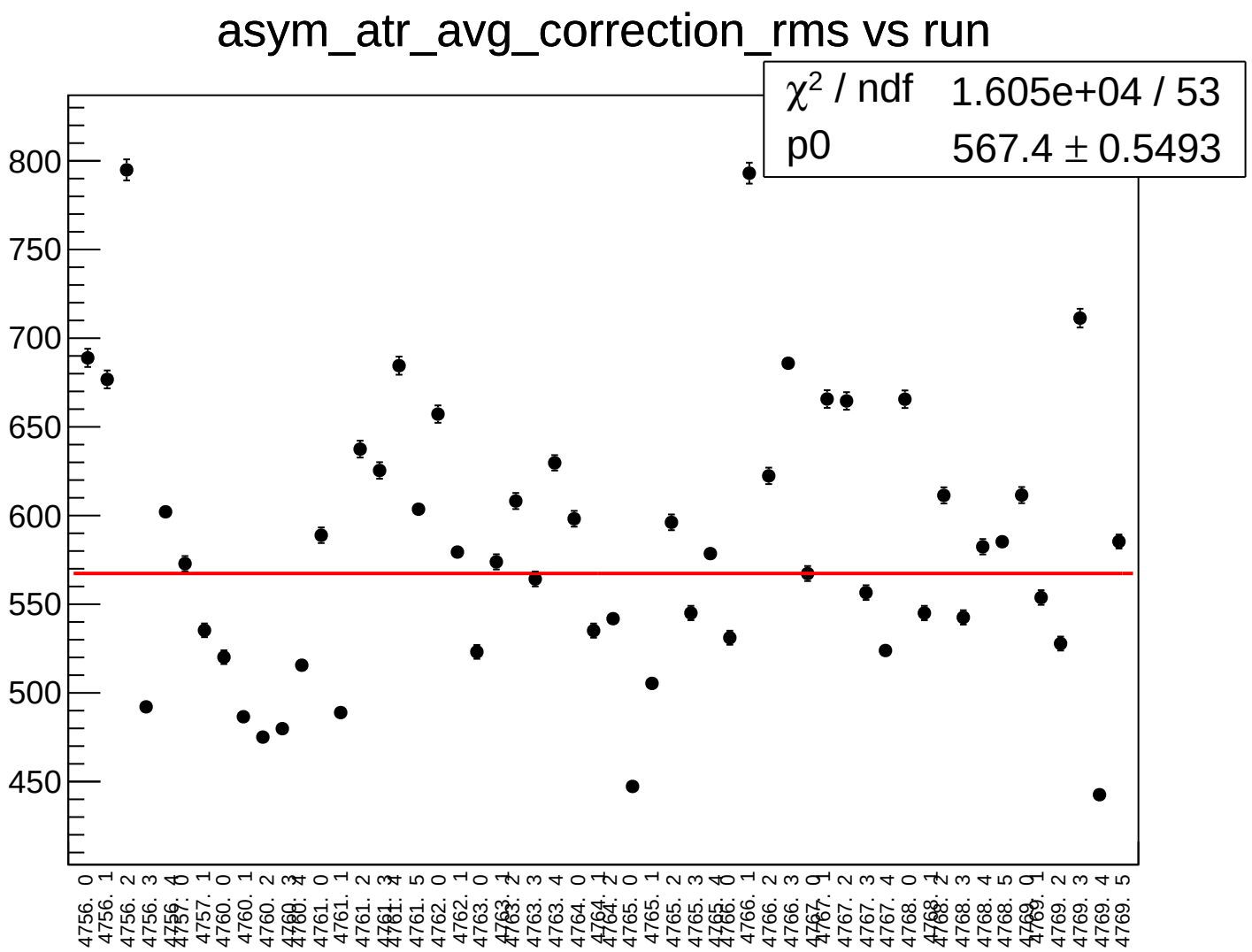

reg_asym_atr_avg_mean vs run
×10^3
χ² / ndf 83.36 / 53
p0 2871 ± 7947
200
100
0
−100
−200
pull
Entries 54
Mean 87.16
Std Dev 57.84
3
2
1
0
−1
−2

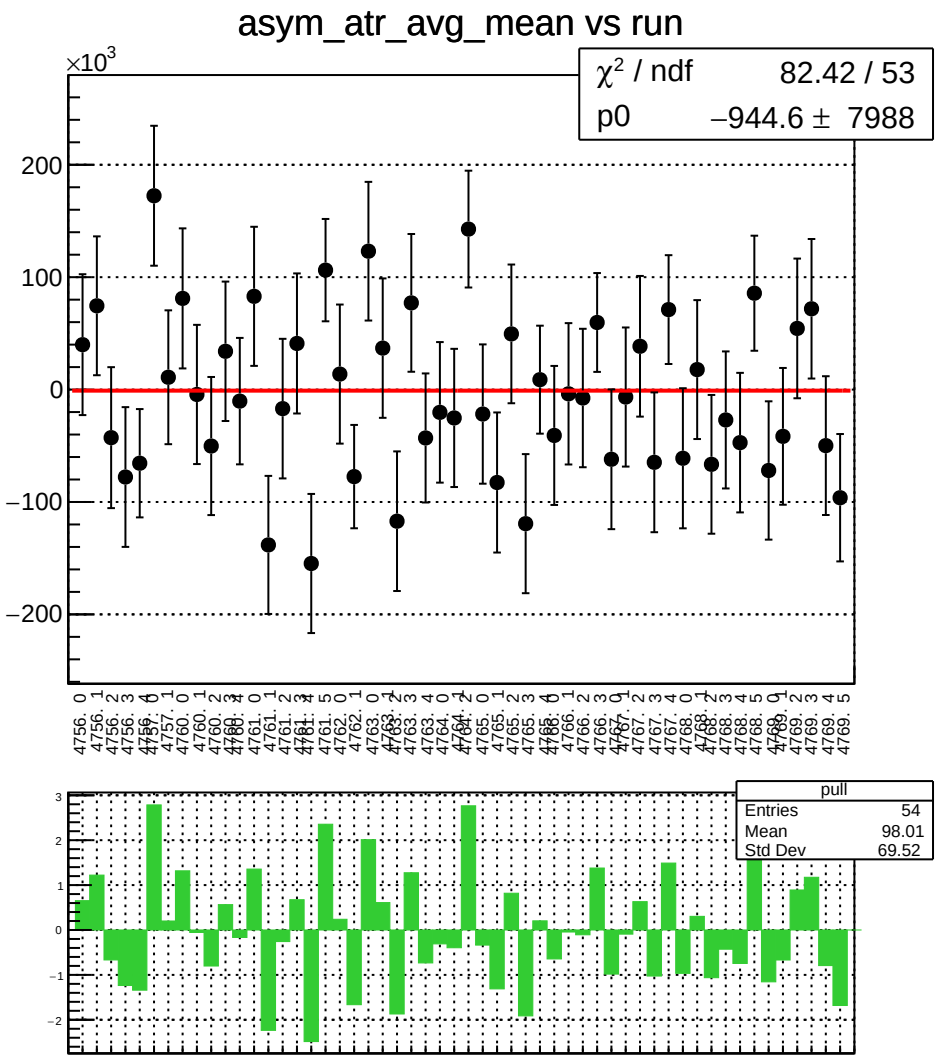

pull1D
Entries 54
Mean −0.03017
Std Dev 1.242
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

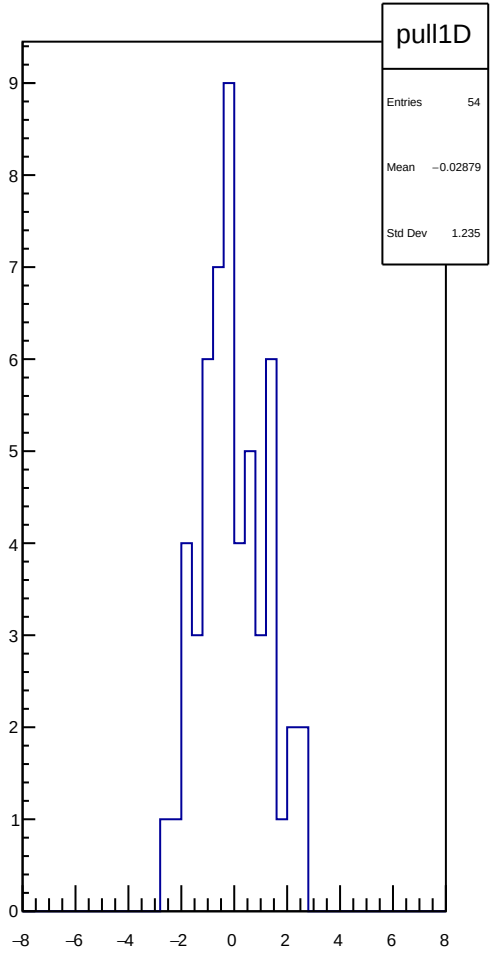

reg_asym_atr_avg_rms vs run
χ² / ndf 40.76 / 53
p0 5847 ± 5.62
5950
5900
5850
5800
5750
5700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

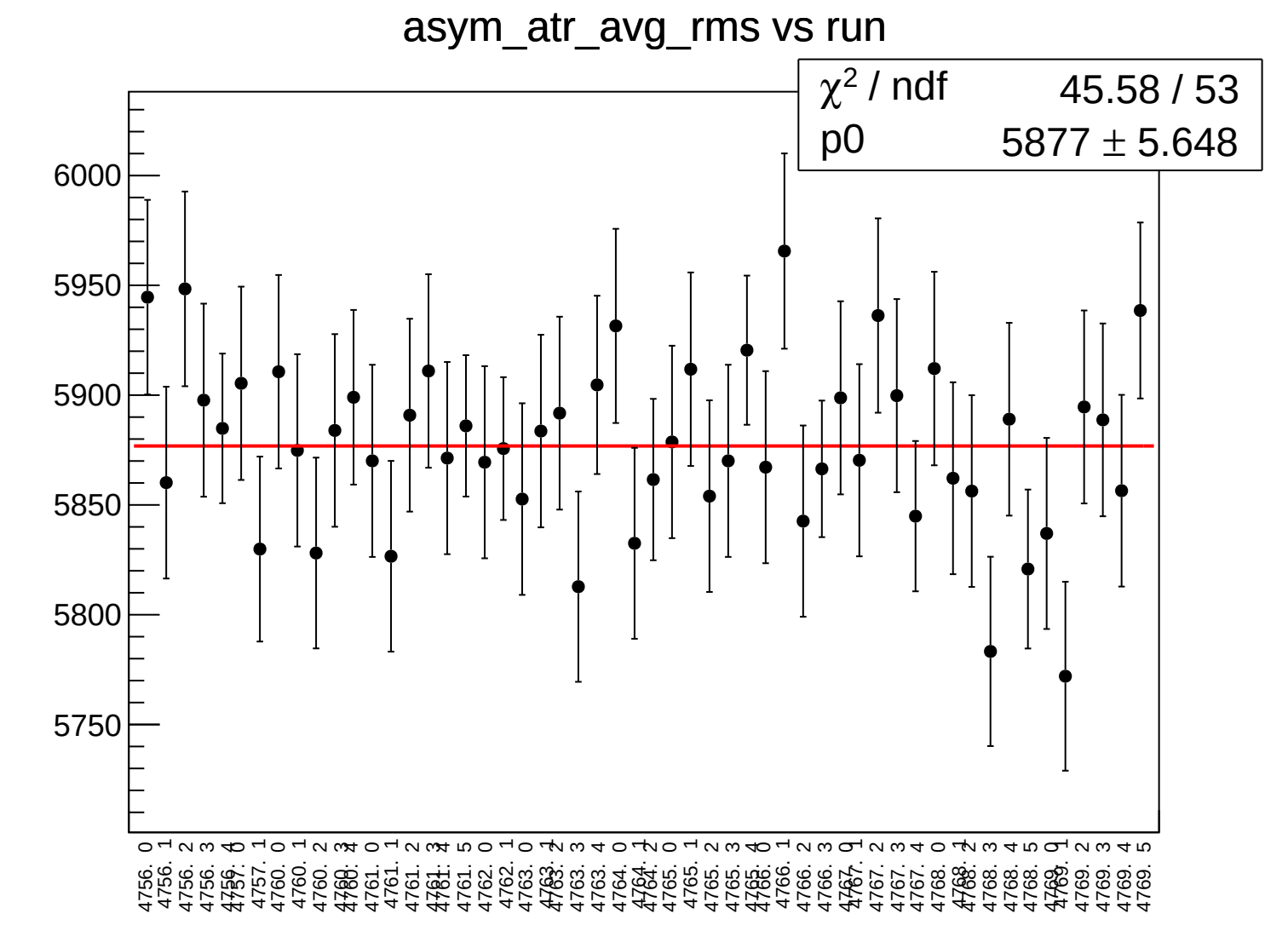

asym_atr_avg_correction_mean vs run
χ² / ndf 44.81 / 53
p0 3750 ± 776.9
pull
Entries 54
Mean −262.3
Std Dev 284.5

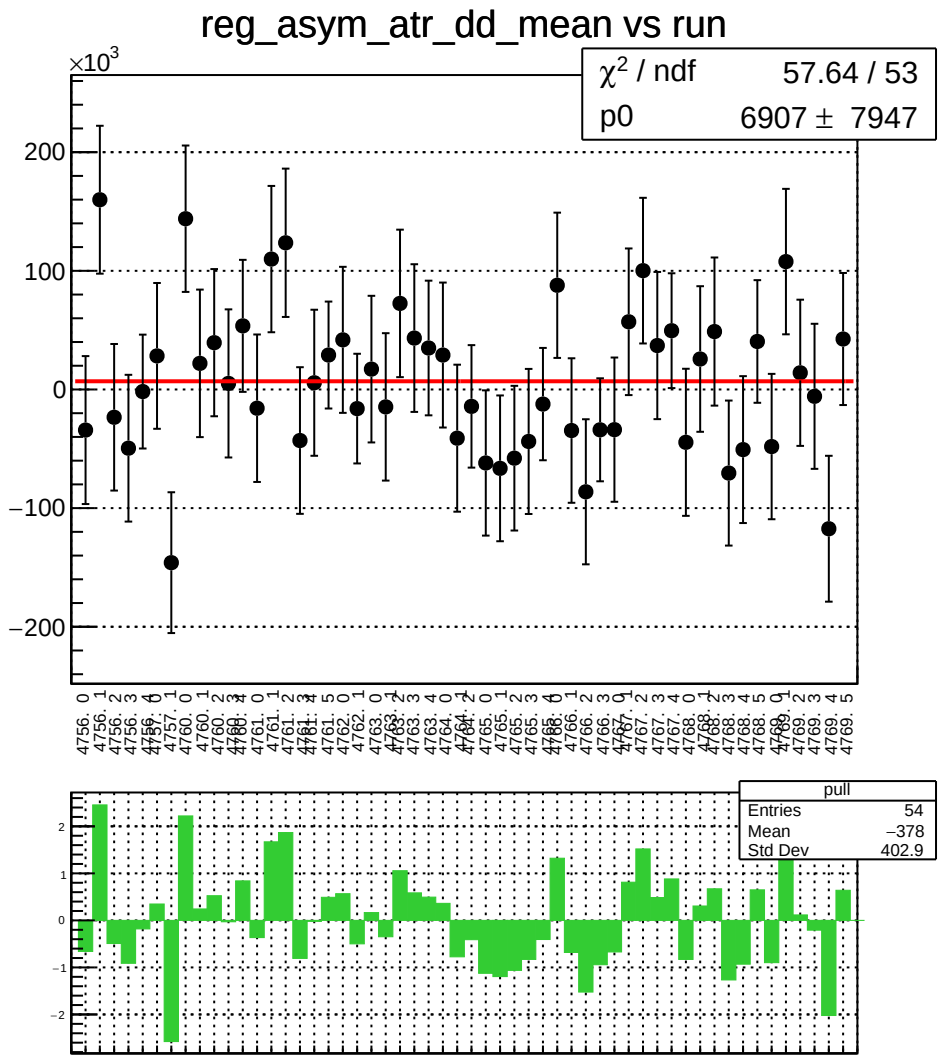

pull1D
Entries 54
Mean −0.008531
Std Dev 0.9109

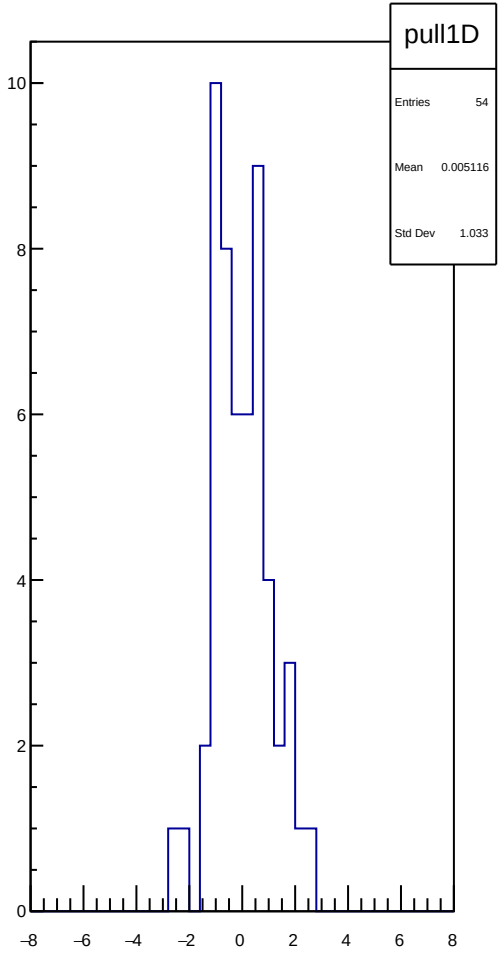

asym_atr_avg_correction_rms vs run
χ^2 / ndf 1.605e+04 / 53
p0 567.4 ± 0.5493
800
750
700
650
600
550
500
450
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

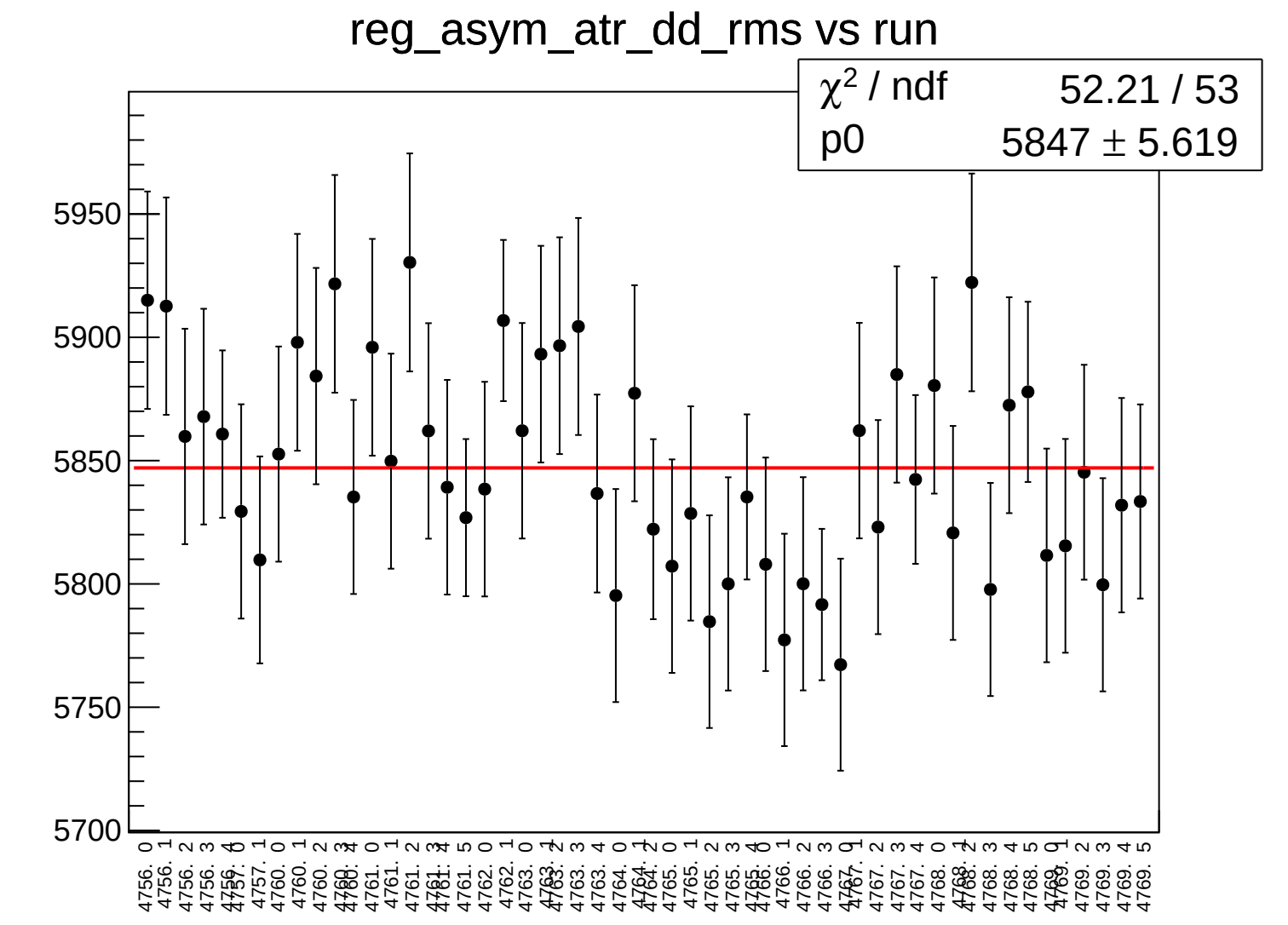

asym_atr_avg_mean vs run
×10^3
χ² / ndf 82.42 / 53
p0 −944.6 ± 7988
200
100
0
−100
−200
pull
Entries 54
Mean 98.01
Std Dev 69.52
3
2
1
0
−1
−2

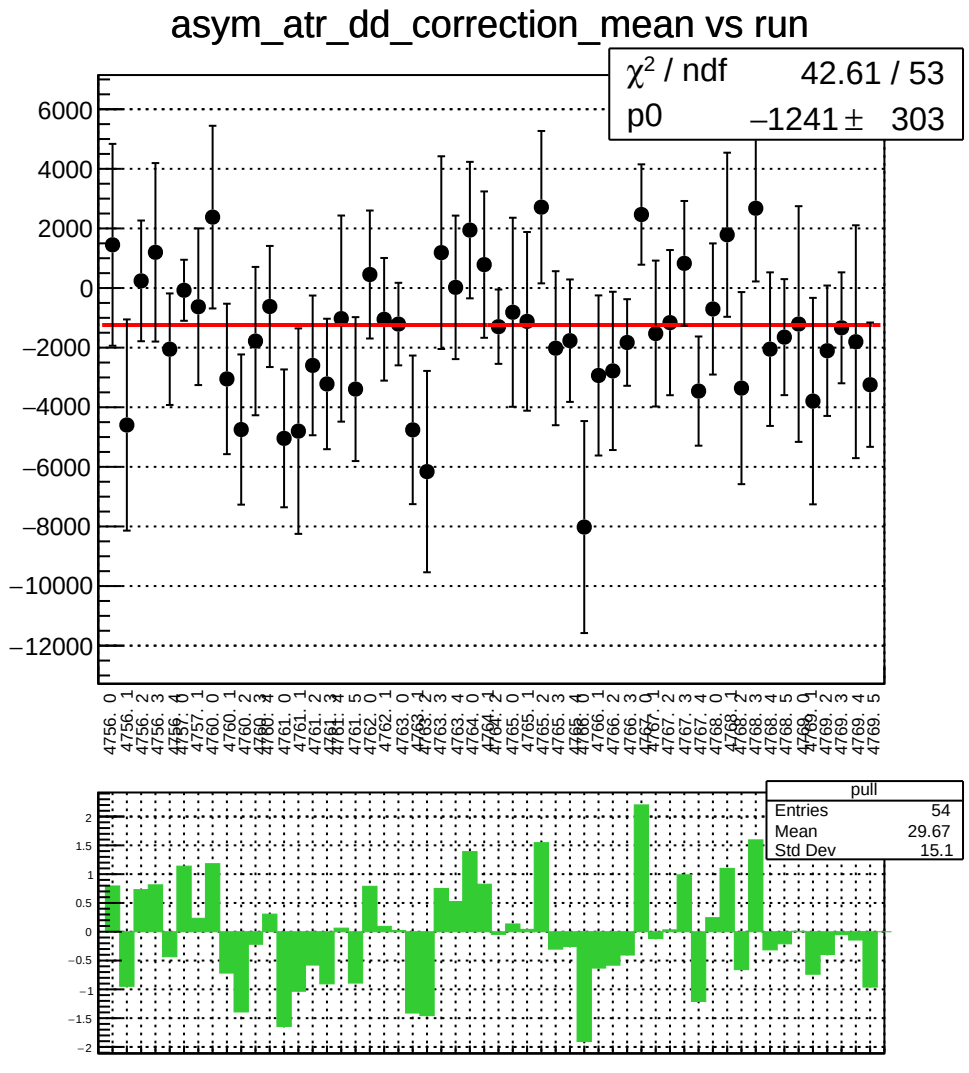

pull1D
Entries 54
Mean −0.02879
Std Dev 1.235
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

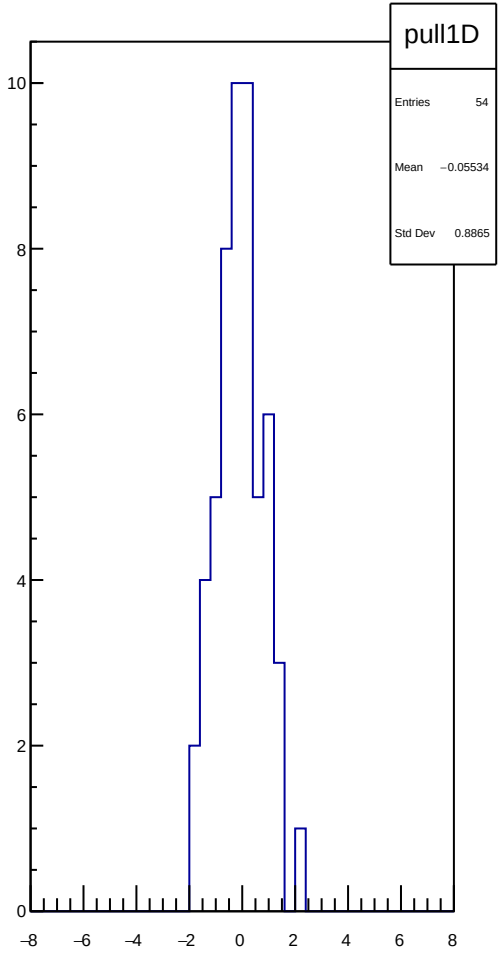

asym_atr_avg_rms vs run
χ² / ndf 45.58 / 53
p0 5877 ± 5.648
6000
5950
5900
5850
5800
5750
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

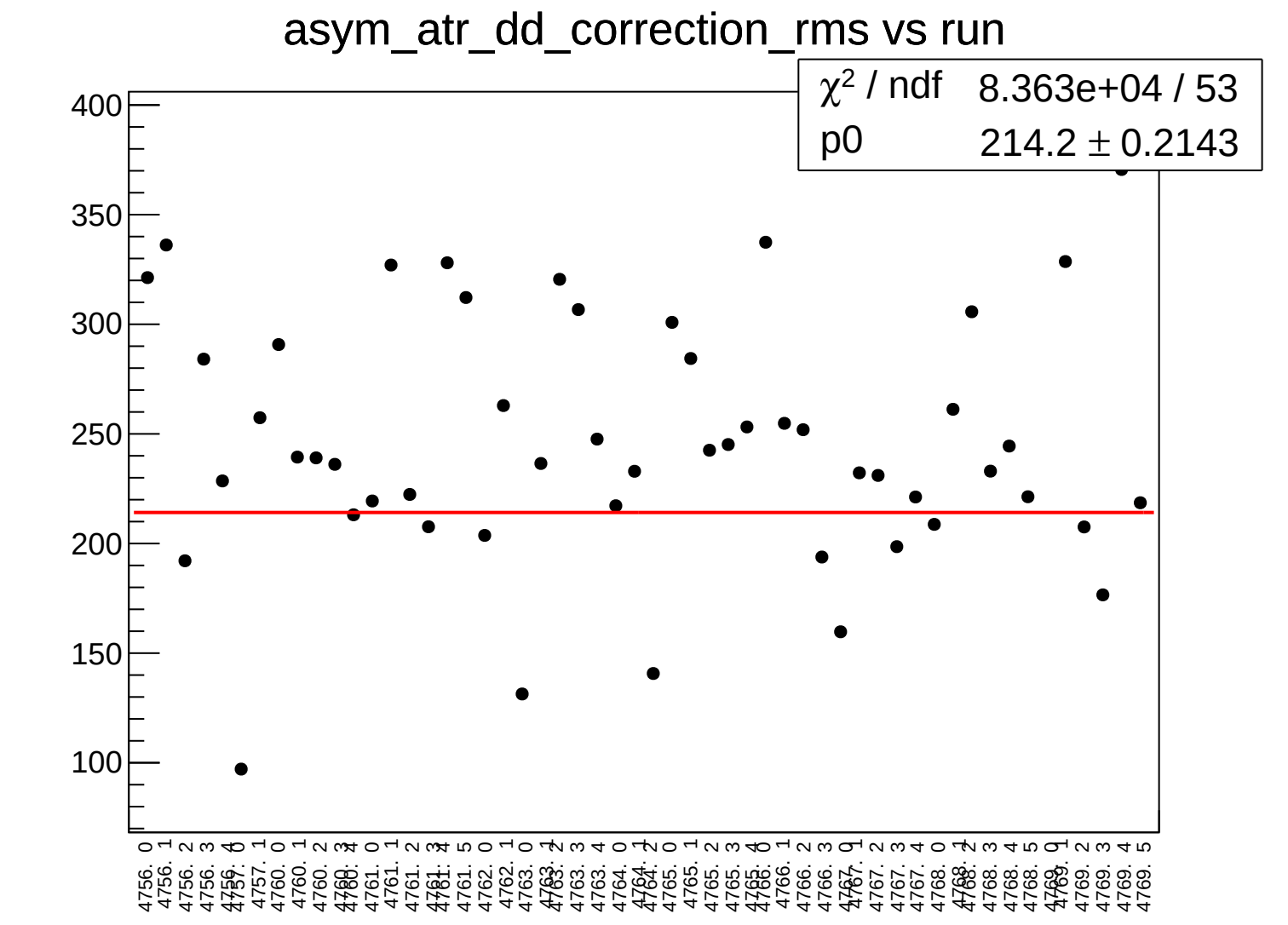

reg_asym_atr_dd_mean vs run
×10^3
χ² / ndf 57.64 / 53
p0 6907 ± 7947
200
100
0
−100
−200
pull
Entries 54
Mean −378
Std Dev 402.9
2
1
0
−1
−2

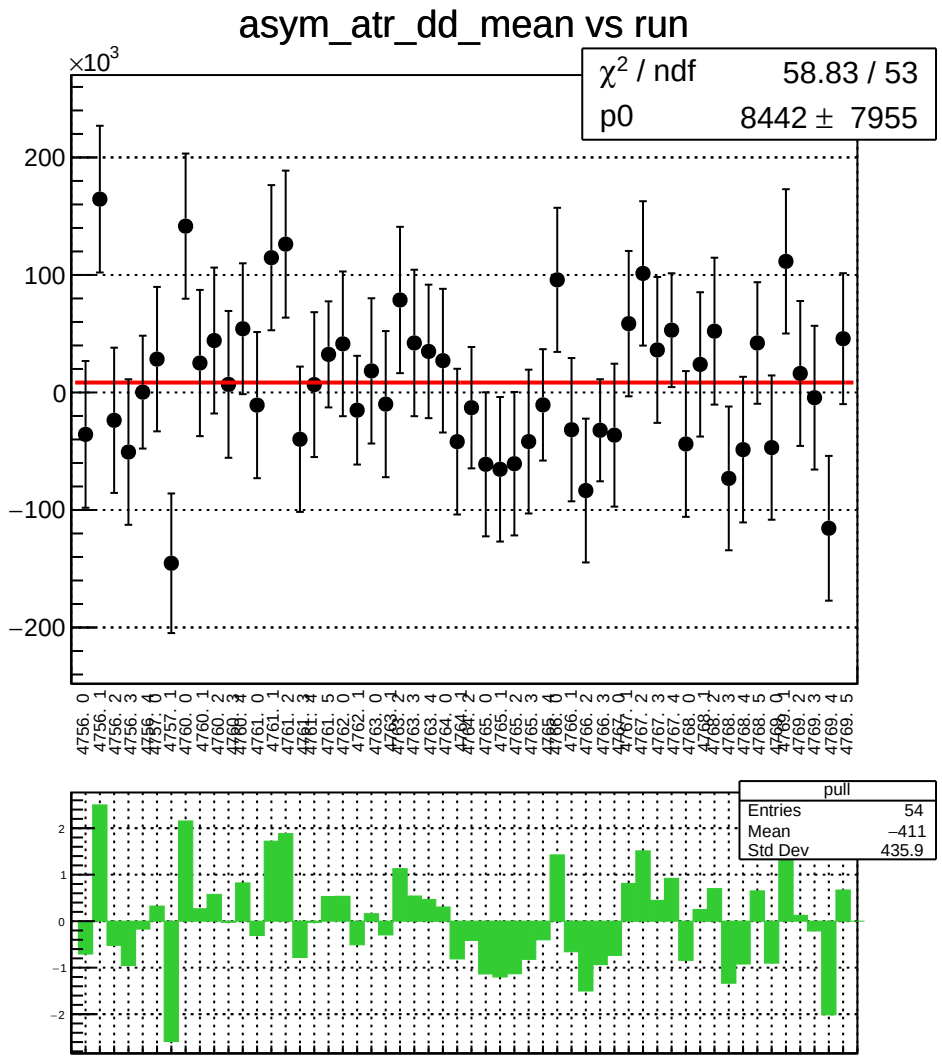

pull1D
Entries 54
Mean 0.005116
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

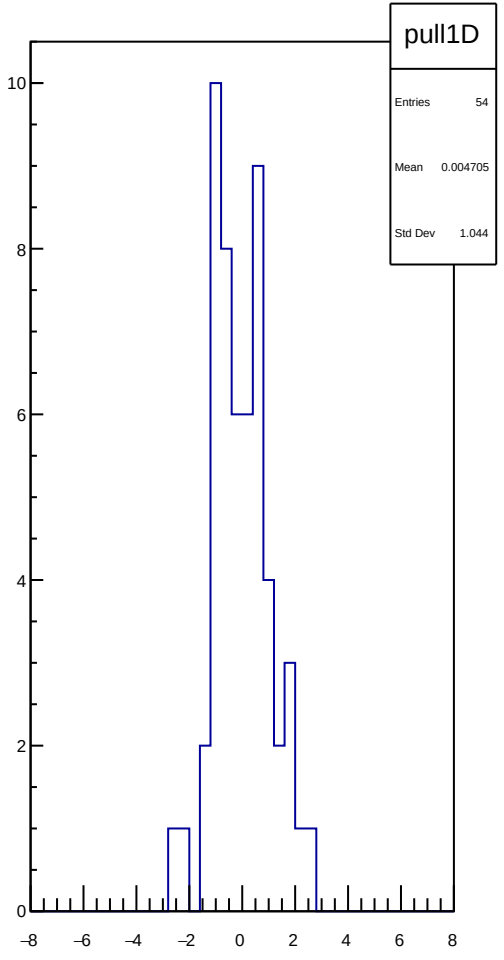

reg_asym_atr_dd_rms vs run
χ² / ndf 52.21 / 53
p0 5847 ± 5.619
5950
5900
5850
5800
5750
5700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

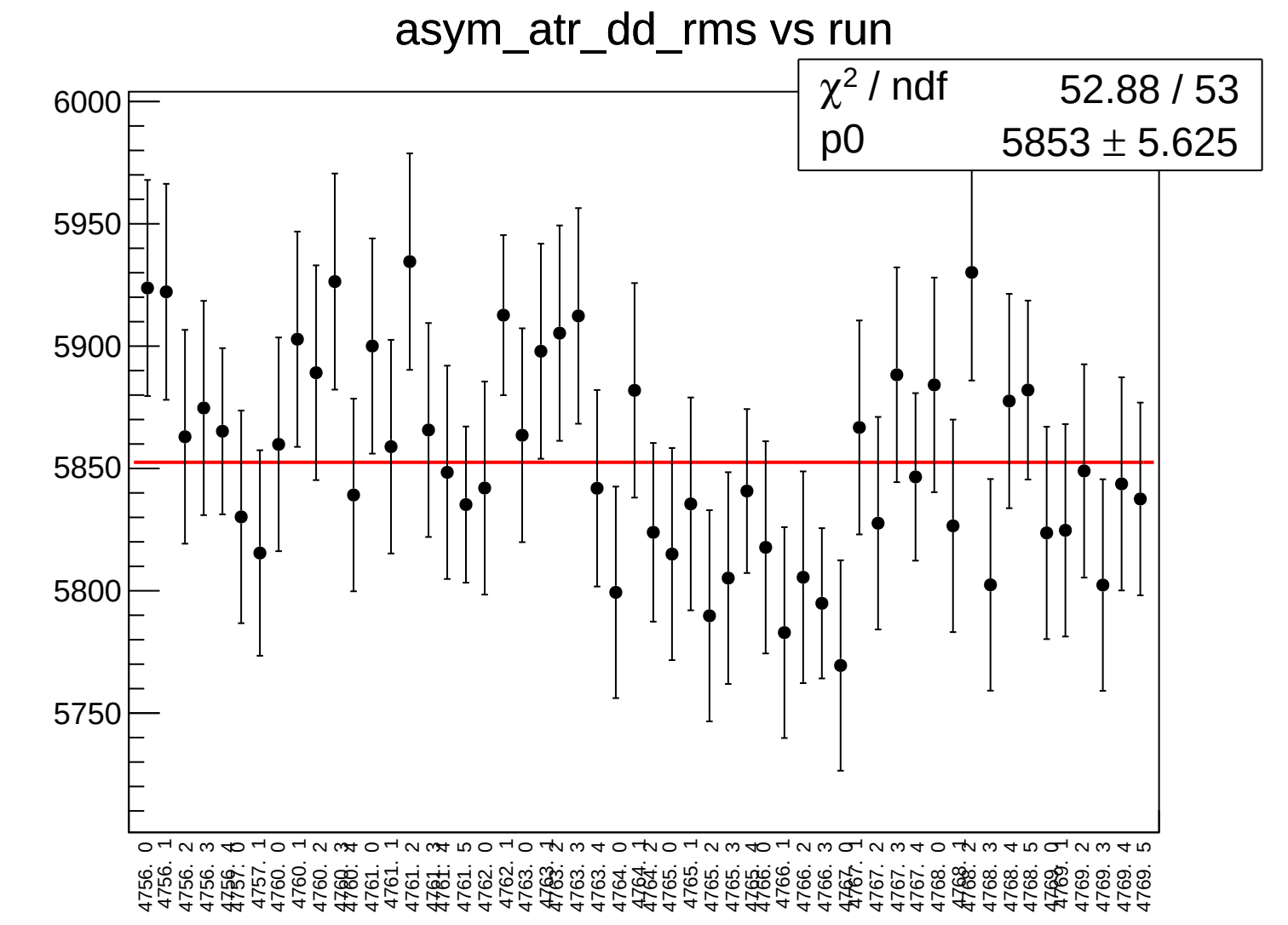

asym_atr_dd_correction_mean vs run
χ² / ndf 42.61 / 53
p0 −1241 ± 303
pull
Entries 54
Mean 29.67
Std Dev 15.1

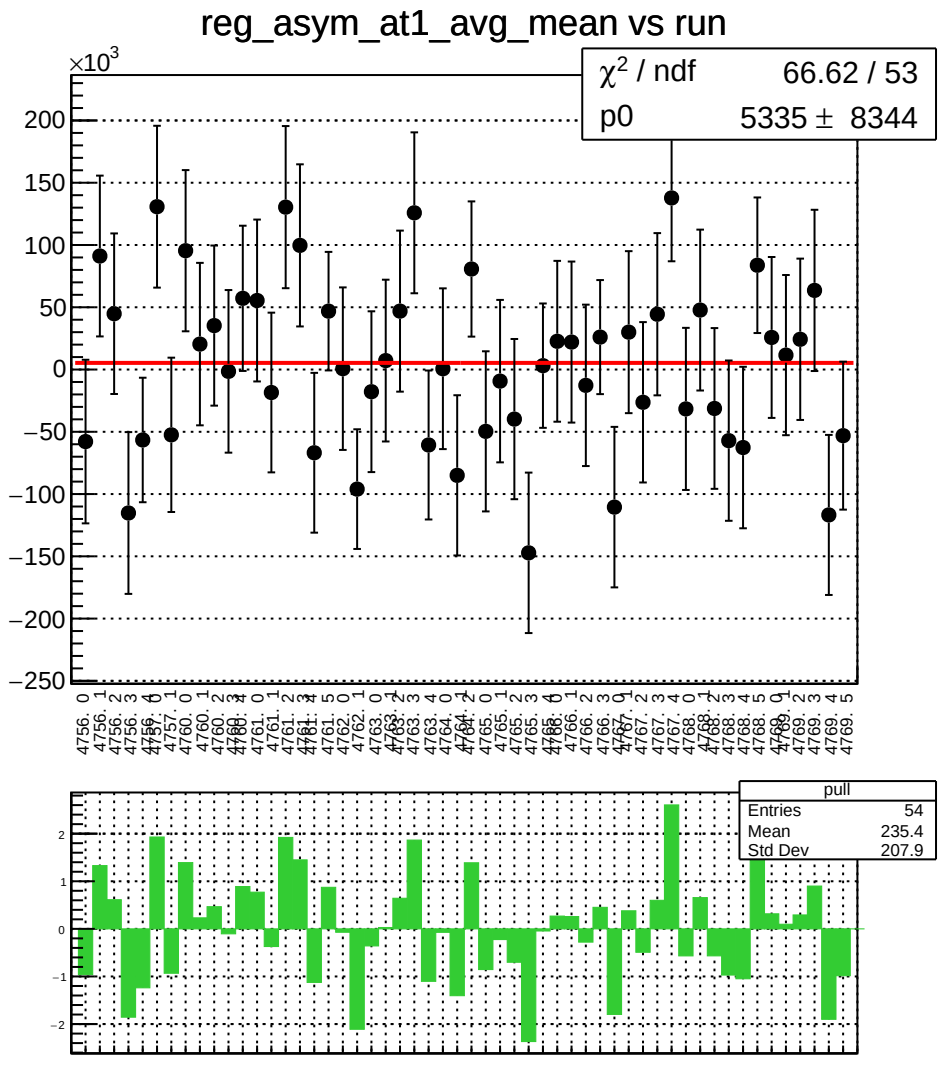

pull1D
Entries 54
Mean −0.05534
Std Dev 0.8865

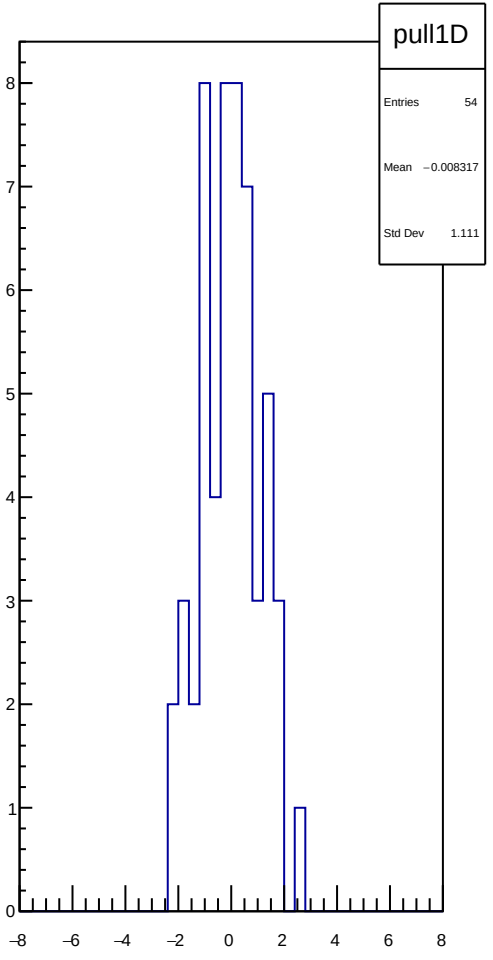

asym_atr_dd_correction_rms vs run
χ² / ndf 8.363e+04 / 53
p0 214.2 ± 0.2143
400
350
300
250
200
150
100
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

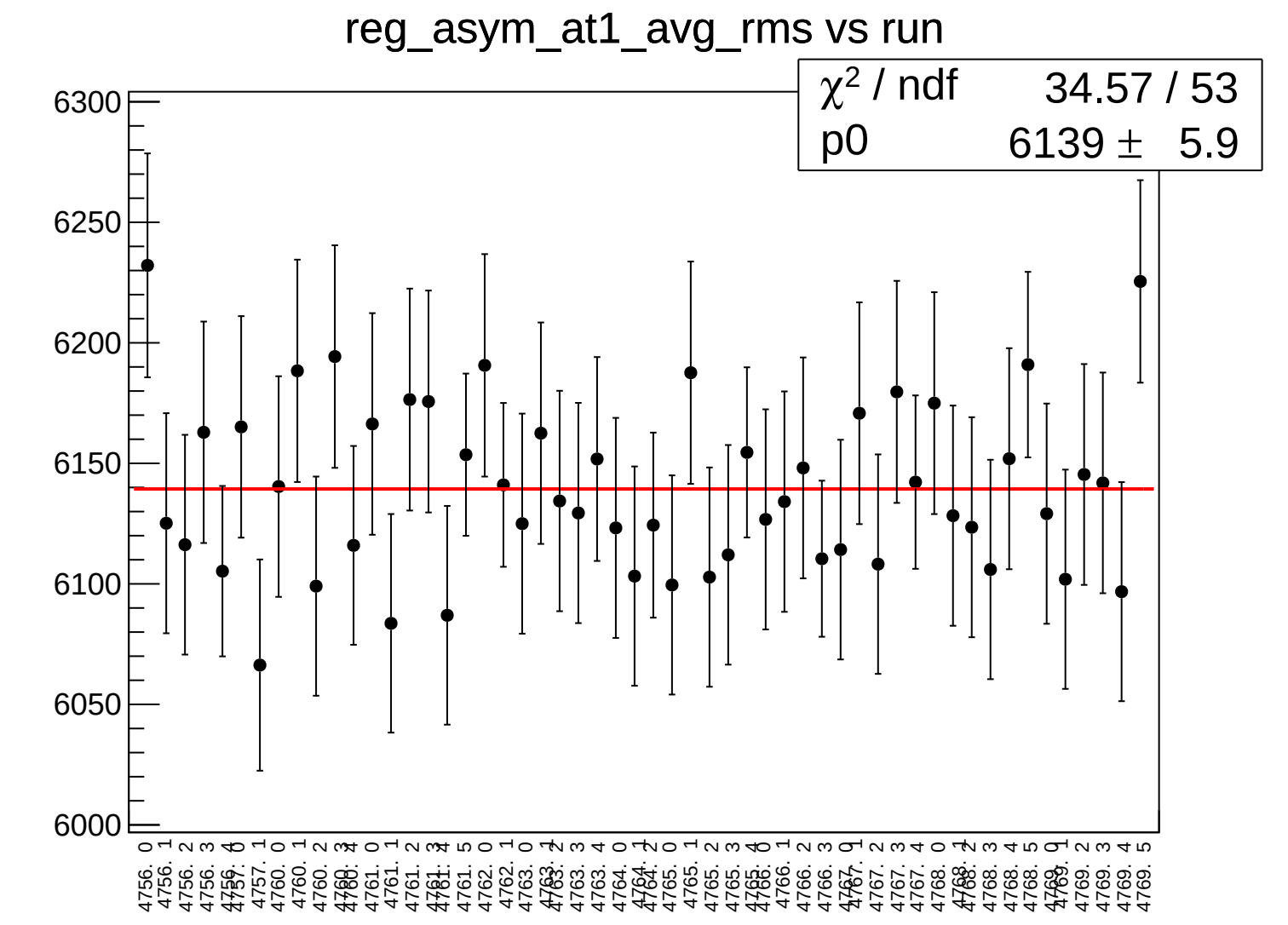

asym_atr_dd_mean vs run
×10^3
χ² / ndf 58.83 / 53
p0 8442 ± 7955
200
100
0
−100
−200
pull
Entries 54
Mean −411
Std Dev 435.9
2
1
0
−1
−2

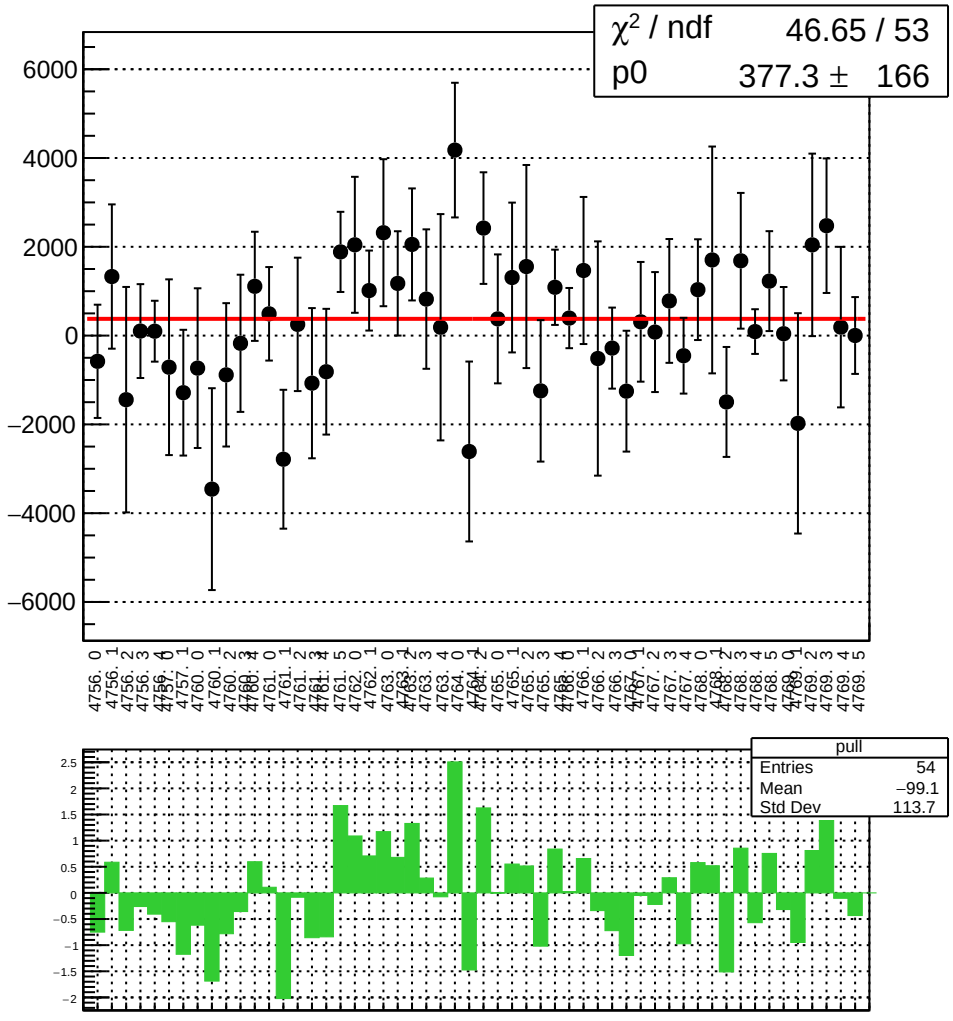

pull1D
Entries 54
Mean 0.004705
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

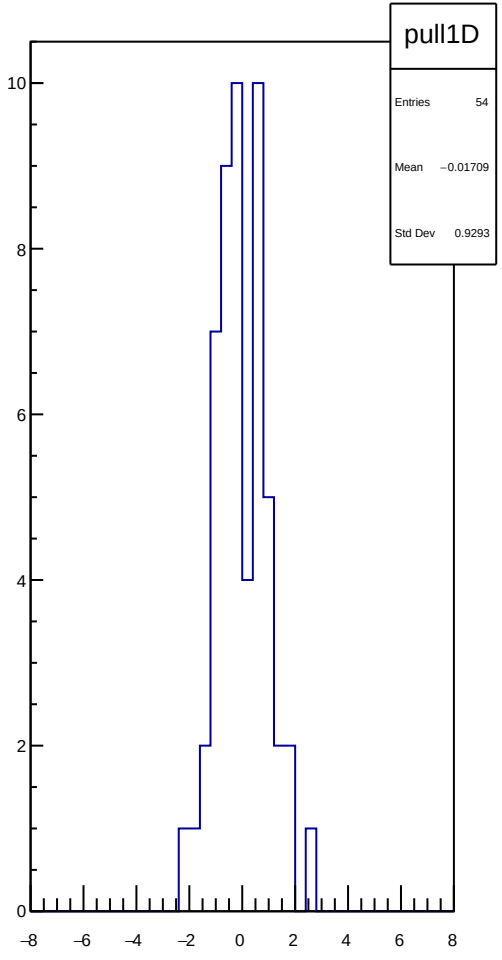

asym_atr_dd_rms vs run
χ² / ndf 52.88 / 53
p0 5853 ± 5.625
6000
5950
5900
5850
5800
5750
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

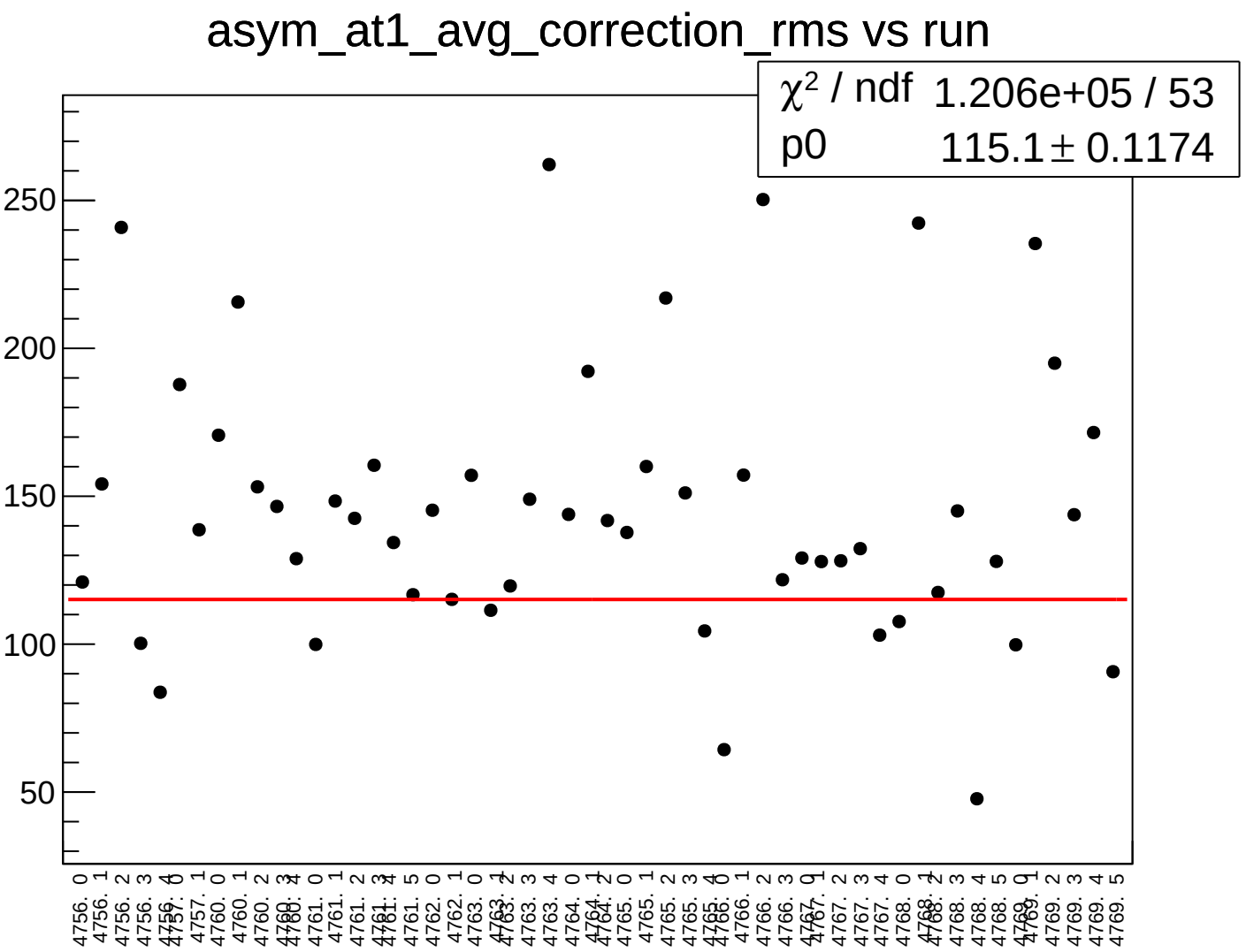

reg_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 66.62 / 53
p0 5335 ± 8344
pull
Entries 54
Mean 235.4
Std Dev 207.9

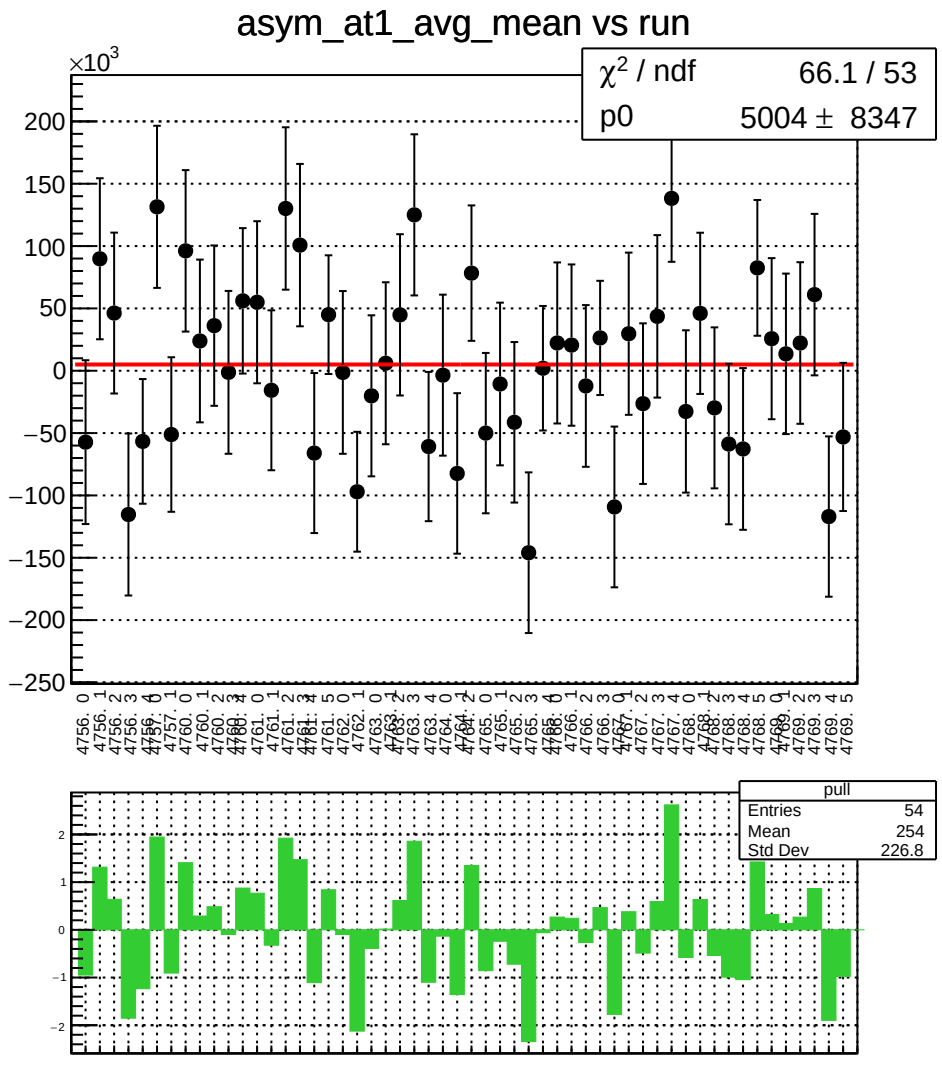

pull1D
Entries 54
Mean −0.008317
Std Dev 1.111

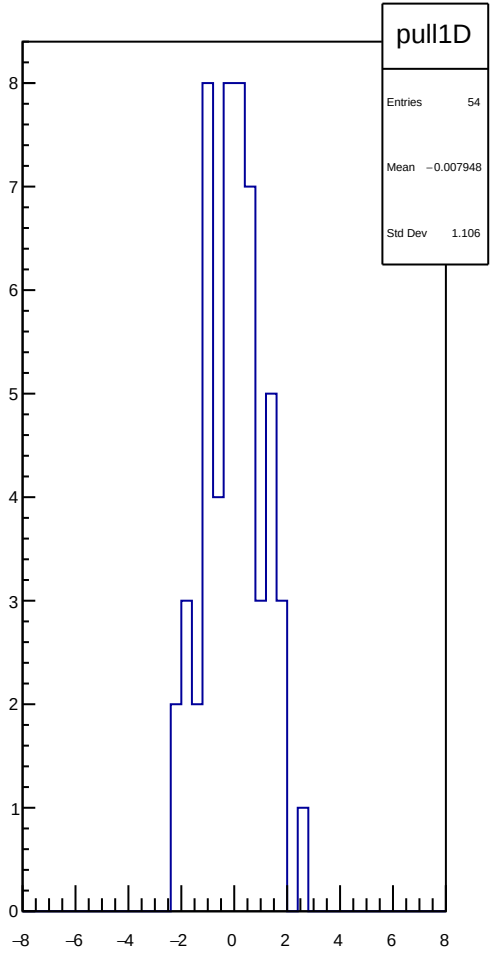

reg_asym_at1_avg_rms vs run
χ² / ndf 34.57 / 53
p0 6139 ± 5.9
6300
6250
6200
6150
6100
6050
6000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

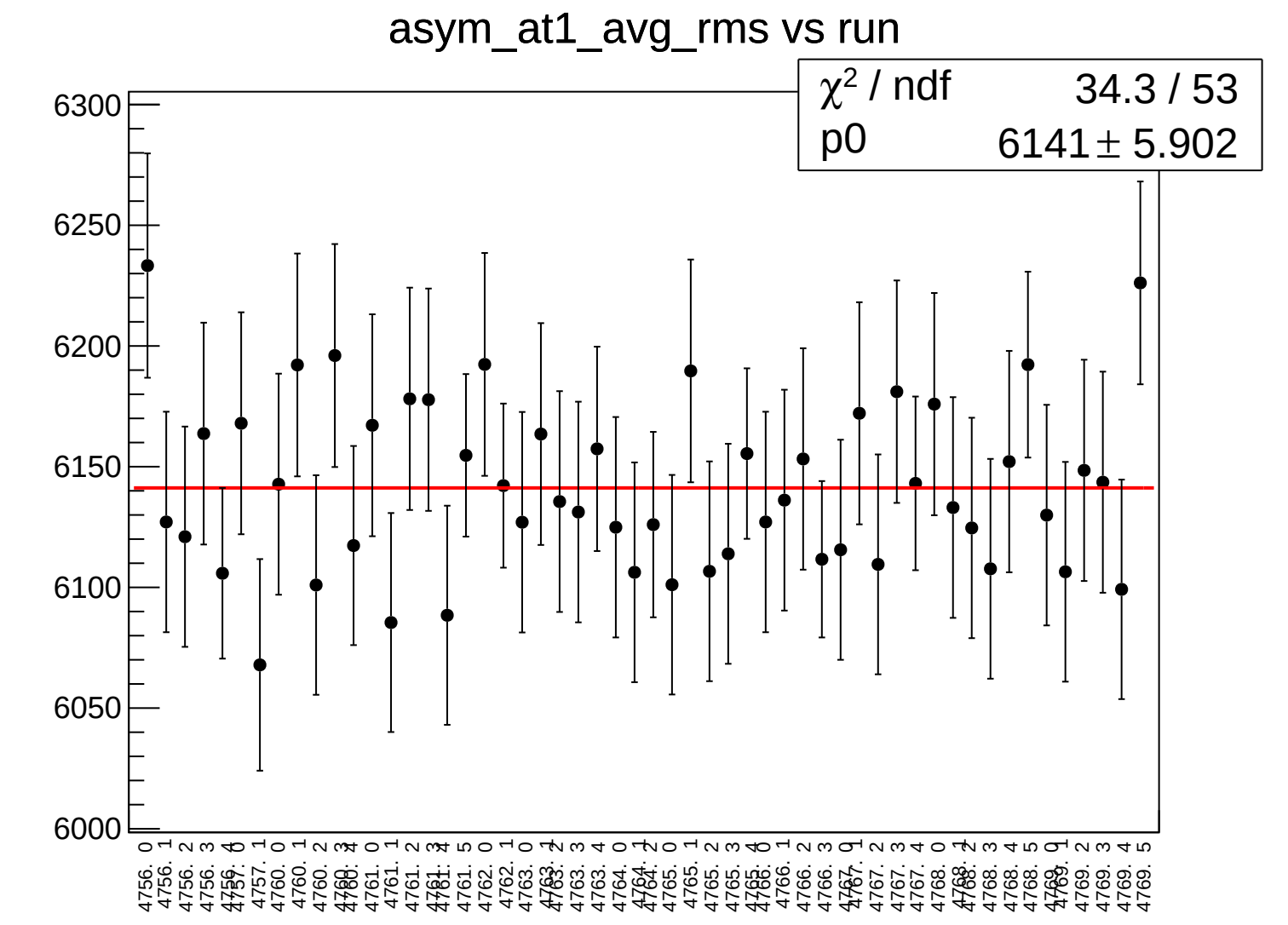

asym_at1_avg_correction_mean vs run
χ² / ndf 46.65 / 53
p0 377.3 ± 166
pull
Entries 54
Mean −99.1
Std Dev 113.7

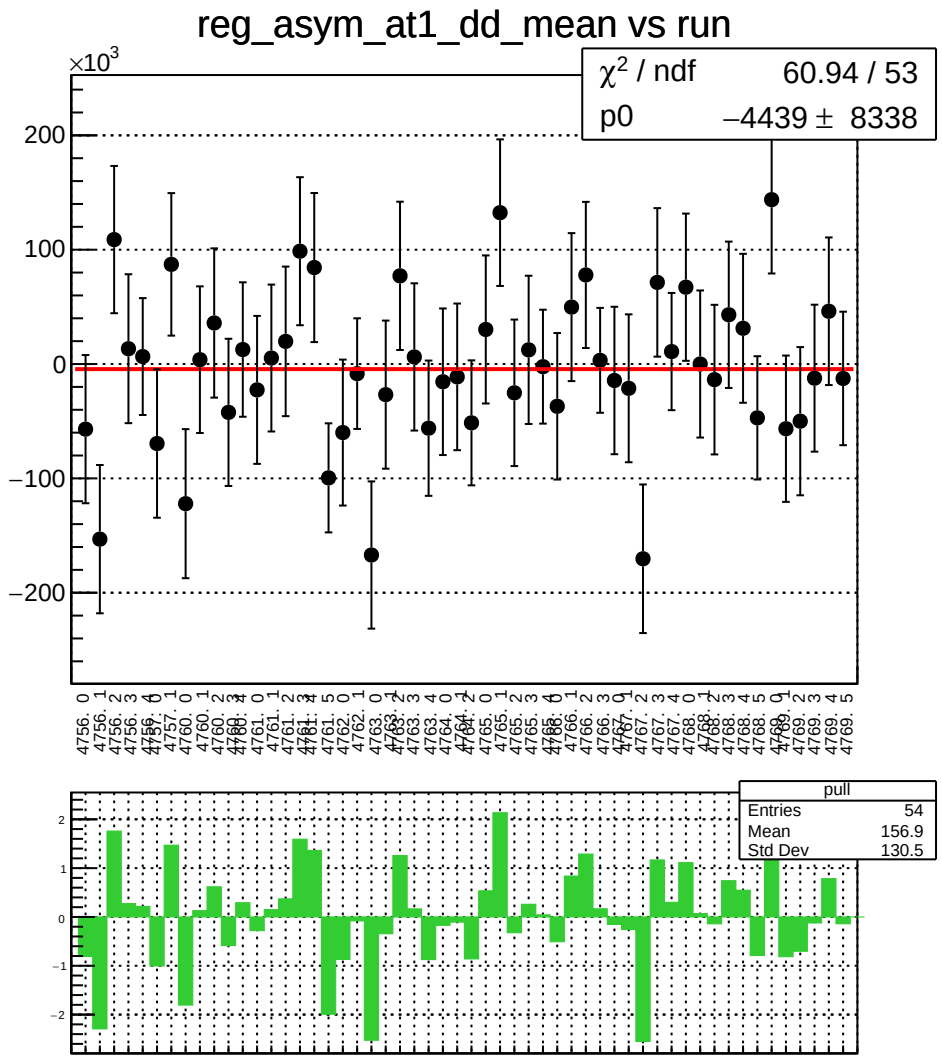

pull1D
Entries 54
Mean −0.01709
Std Dev 0.9293

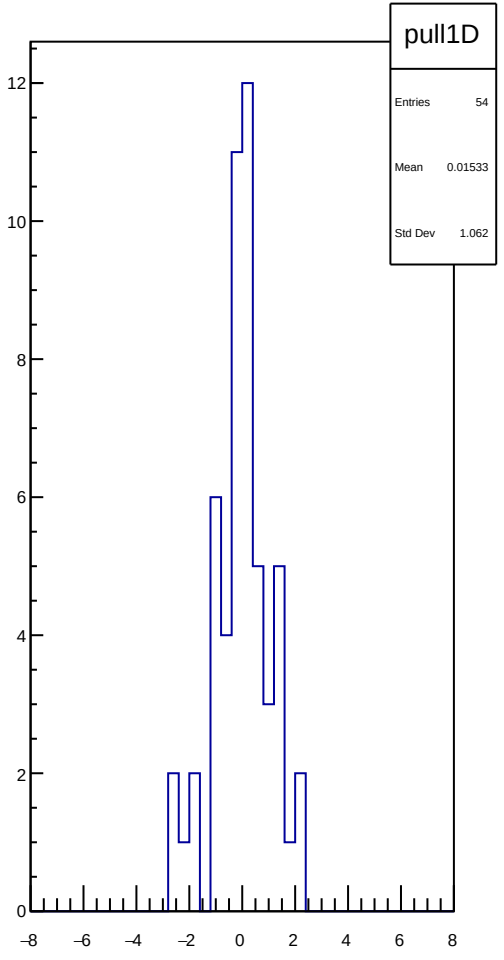

asym_at1_avg_correction_rms vs run
χ² / ndf 1.206e+05 / 53
p0 115.1 ± 0.1174
250
200
150
100
50
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

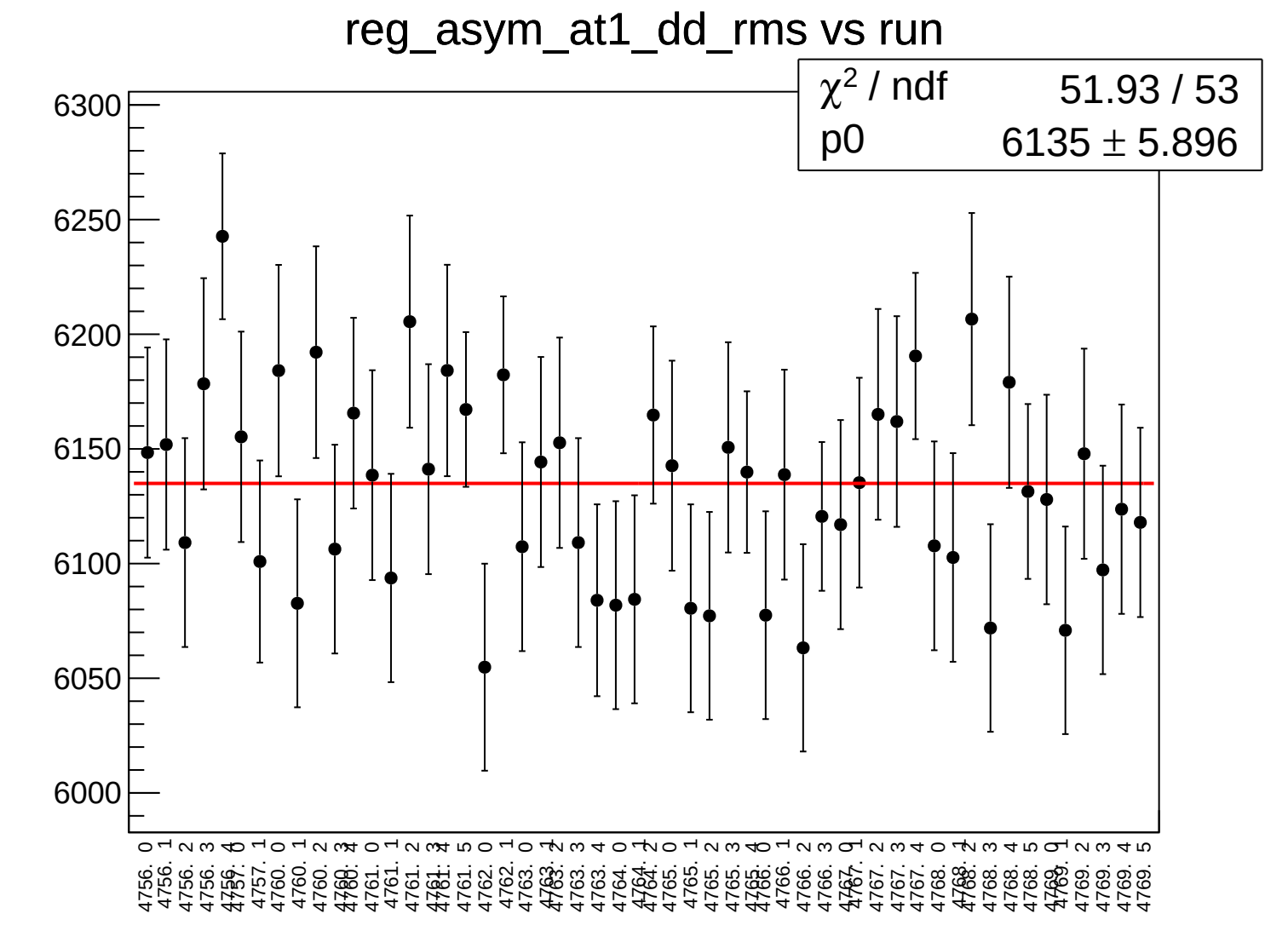

asym_at1_avg_mean vs run
×10^3
χ² / ndf 66.1 / 53
p0 5004 ± 8347
pull
Entries 54
Mean 254
Std Dev 226.8

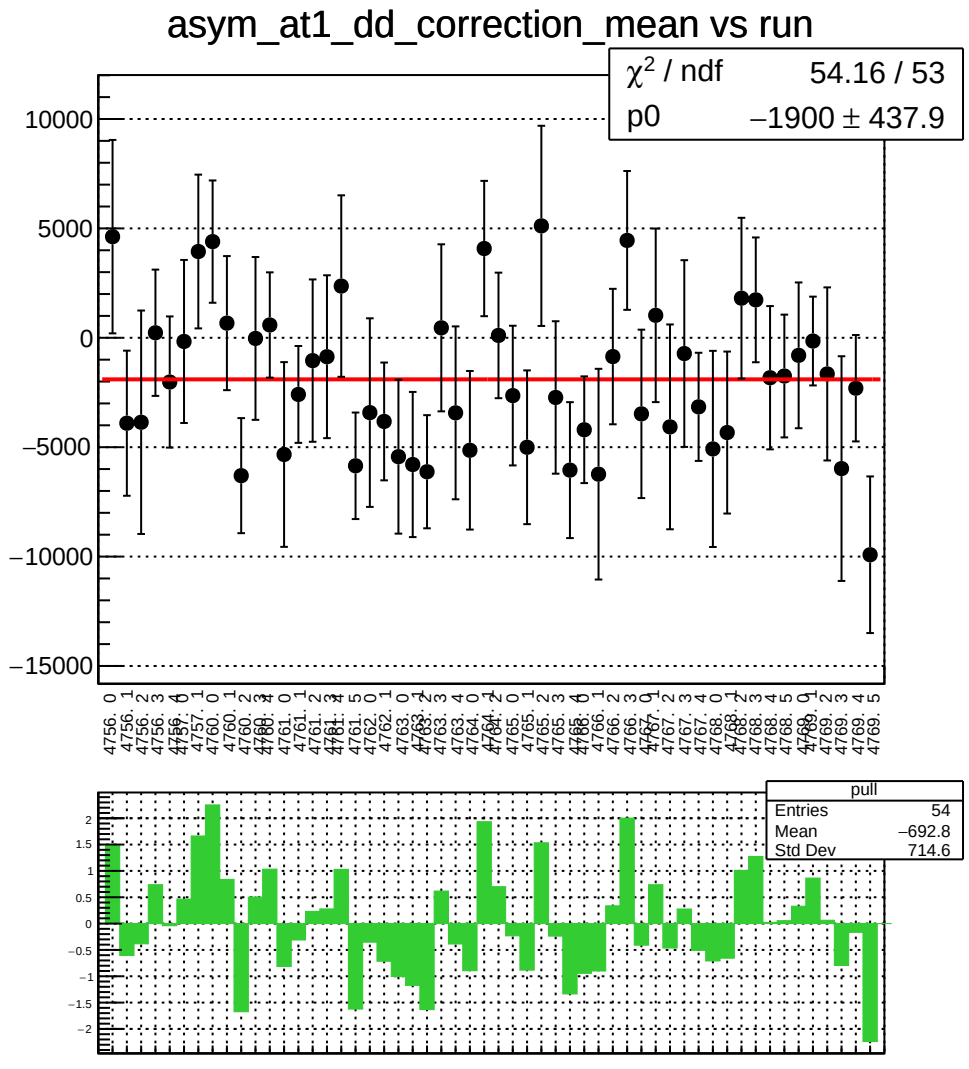

pull1D
Entries 54
Mean −0.007948
Std Dev 1.106

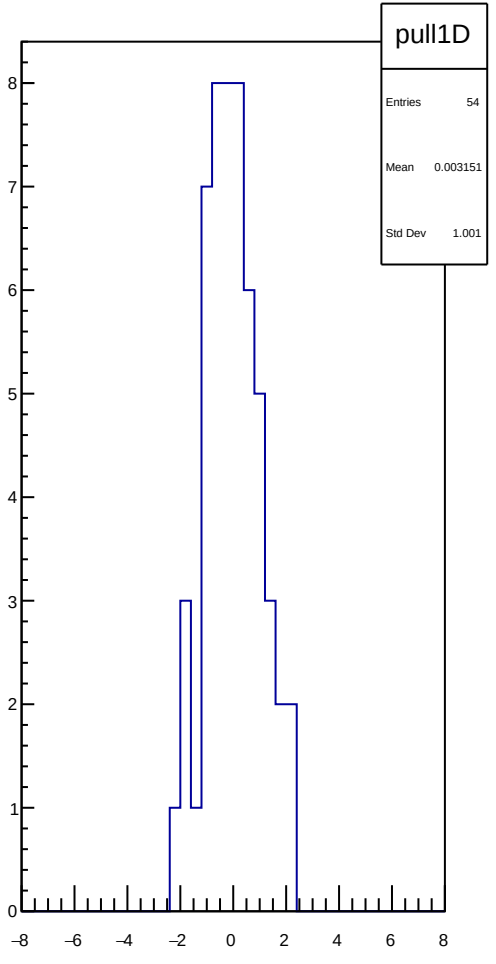

asym_at1_avg_rms vs run
χ² / ndf 34.3 / 53
p0 6141 ± 5.902
6300
6250
6200
6150
6100
6050
6000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

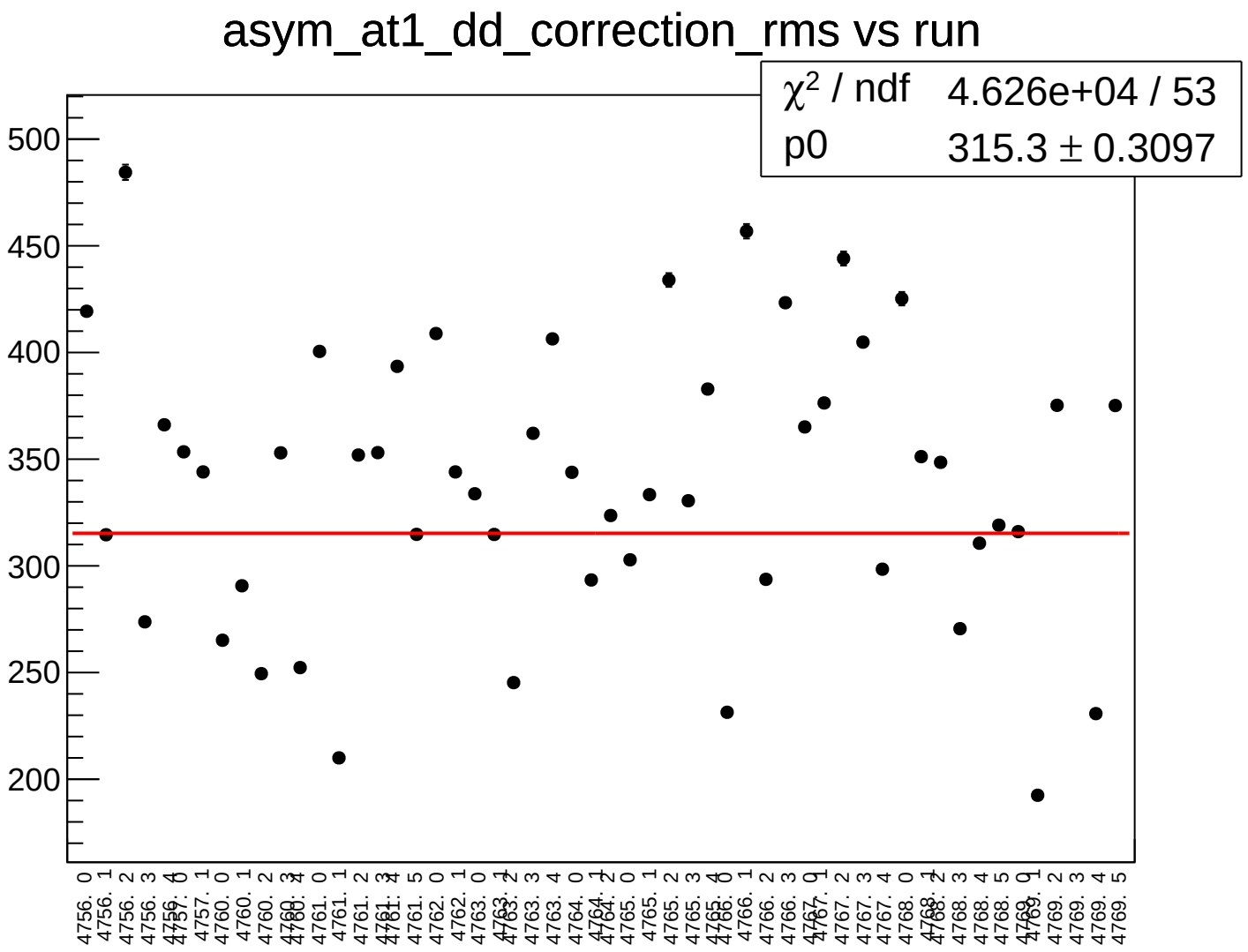

reg_asym_at1_dd_mean vs run
×10^3
χ² / ndf 60.94 / 53
p0 −4439 ± 8338
200
100
0
−100
−200
pull
Entries 54
Mean 156.9
Std Dev 130.5
2
1
0
−1
−2

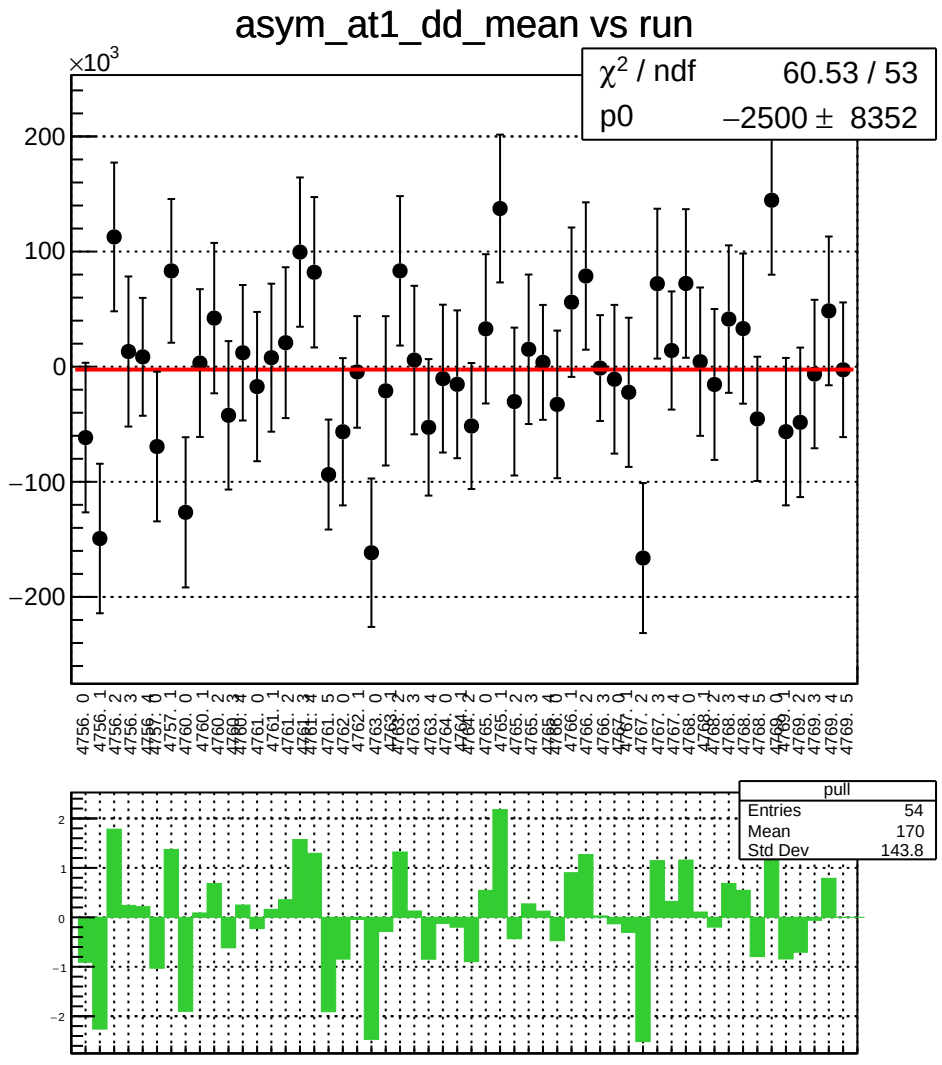

pull1D
Entries 54
Mean 0.01533
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

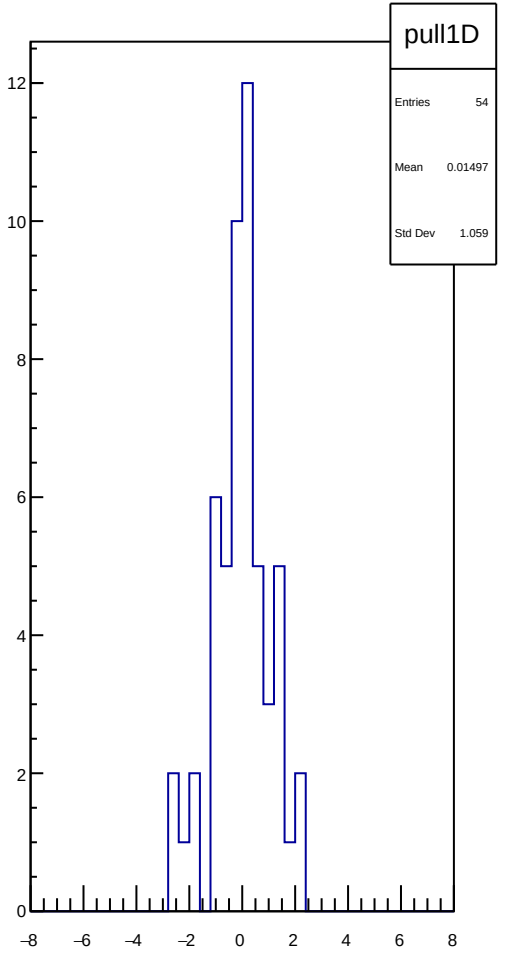

reg_asym_at1_dd_rms vs run
χ² / ndf 51.93 / 53
p0 6135 ± 5.896
6300
6250
6200
6150
6100
6050
6000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

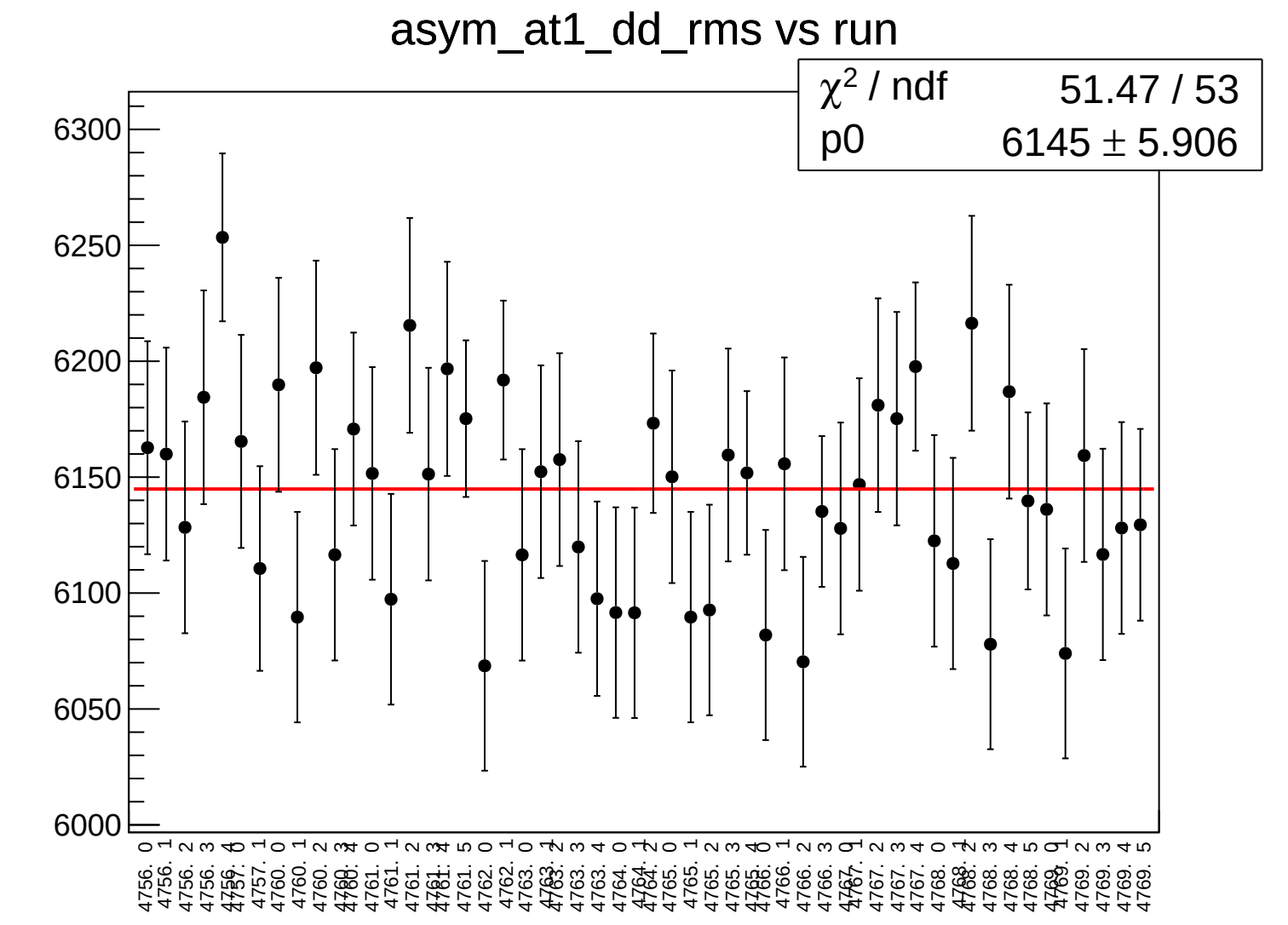

asym_at1_dd_correction_mean vs run
χ² / ndf 54.16 / 53
p0 −1900 ± 437.9
pull
Entries 54
Mean −692.8
Std Dev 714.6

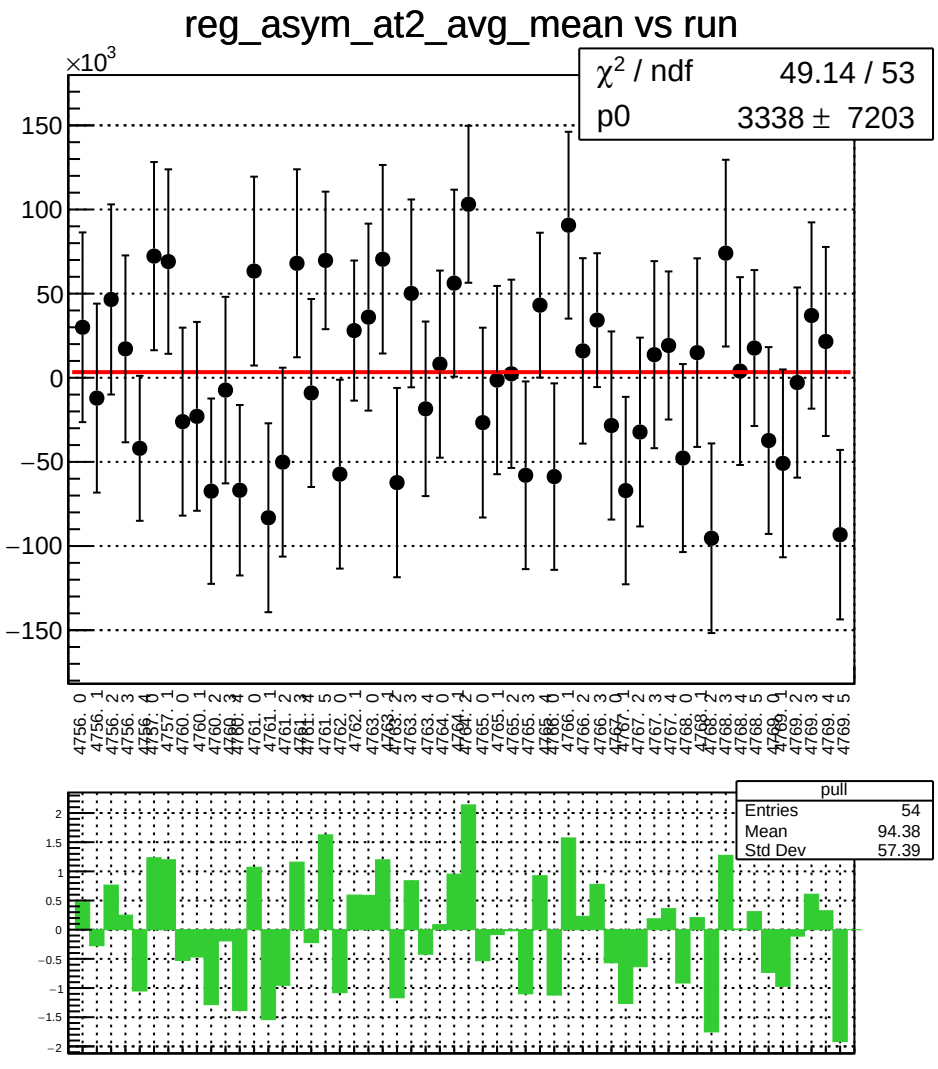

pull1D
Entries 54
Mean 0.003151
Std Dev 1.001

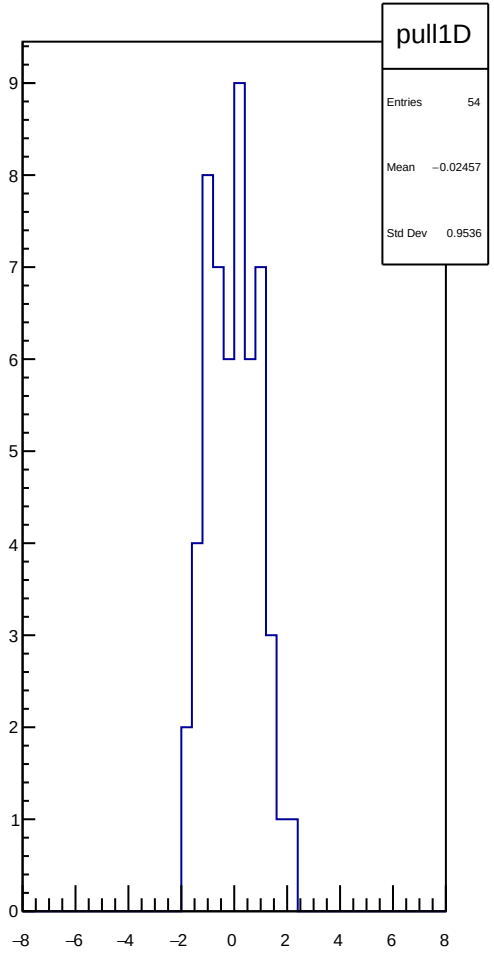

asym_at1_dd_correction_rms vs run
χ² / ndf 4.626e+04 / 53
p0 315.3 ± 0.3097
500
450
400
350
300
250
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

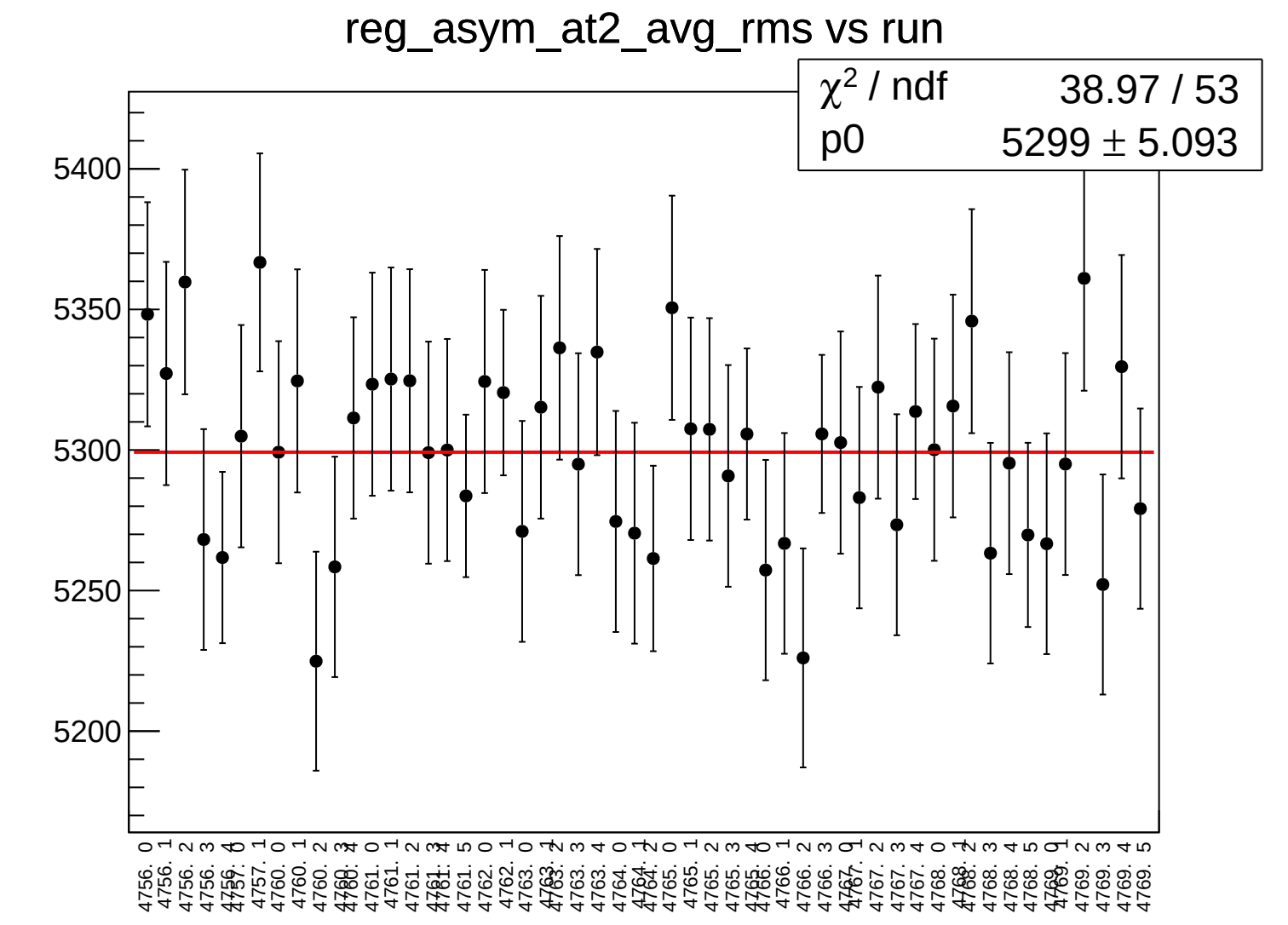

asym_at1_dd_mean vs run
×10^3
χ² / ndf 60.53 / 53
p0 −2500 ± 8352
200
100
0
−100
−200
pull
Entries 54
Mean 170
Std Dev 143.8
2
1
0
−1
−2

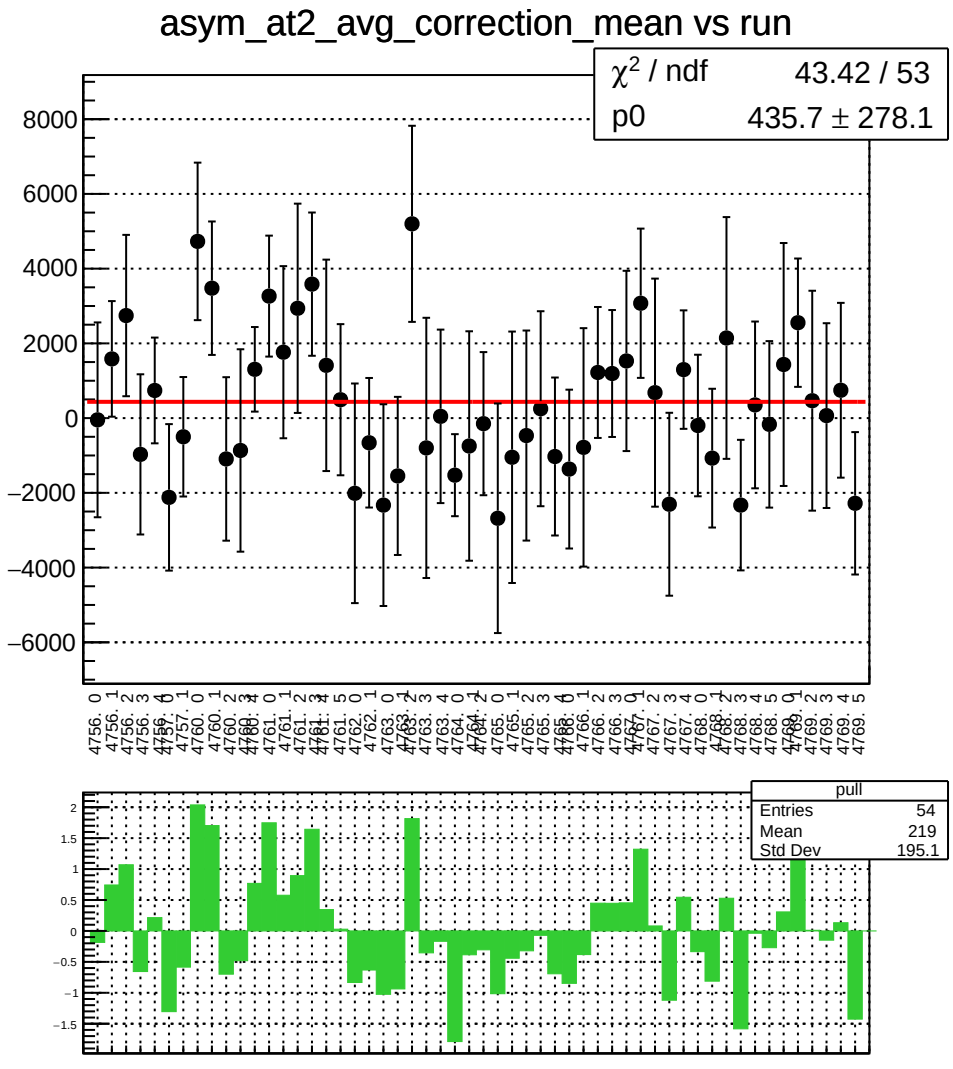

pull1D
Entries 54
Mean 0.01497
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

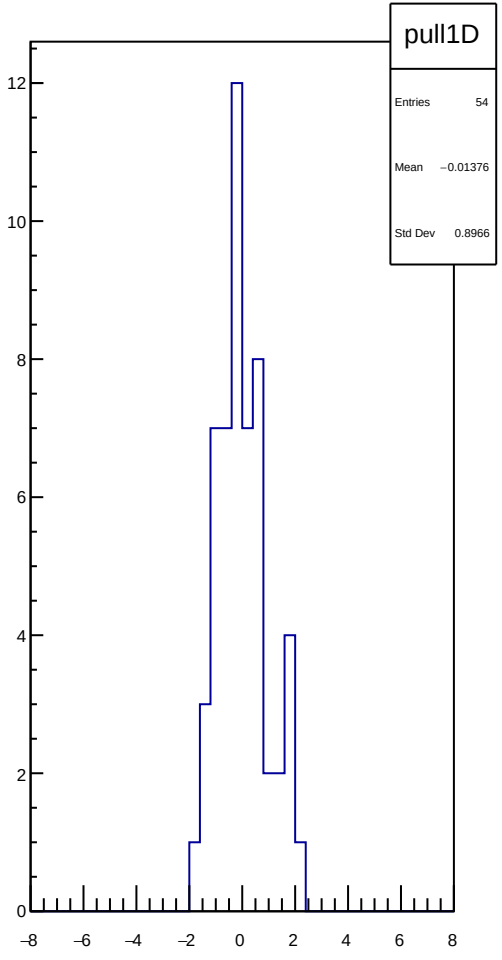

asym_at1_dd_rms vs run
χ² / ndf 51.47 / 53
p0 6145 ± 5.906
6300
6250
6200
6150
6100
6050
6000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

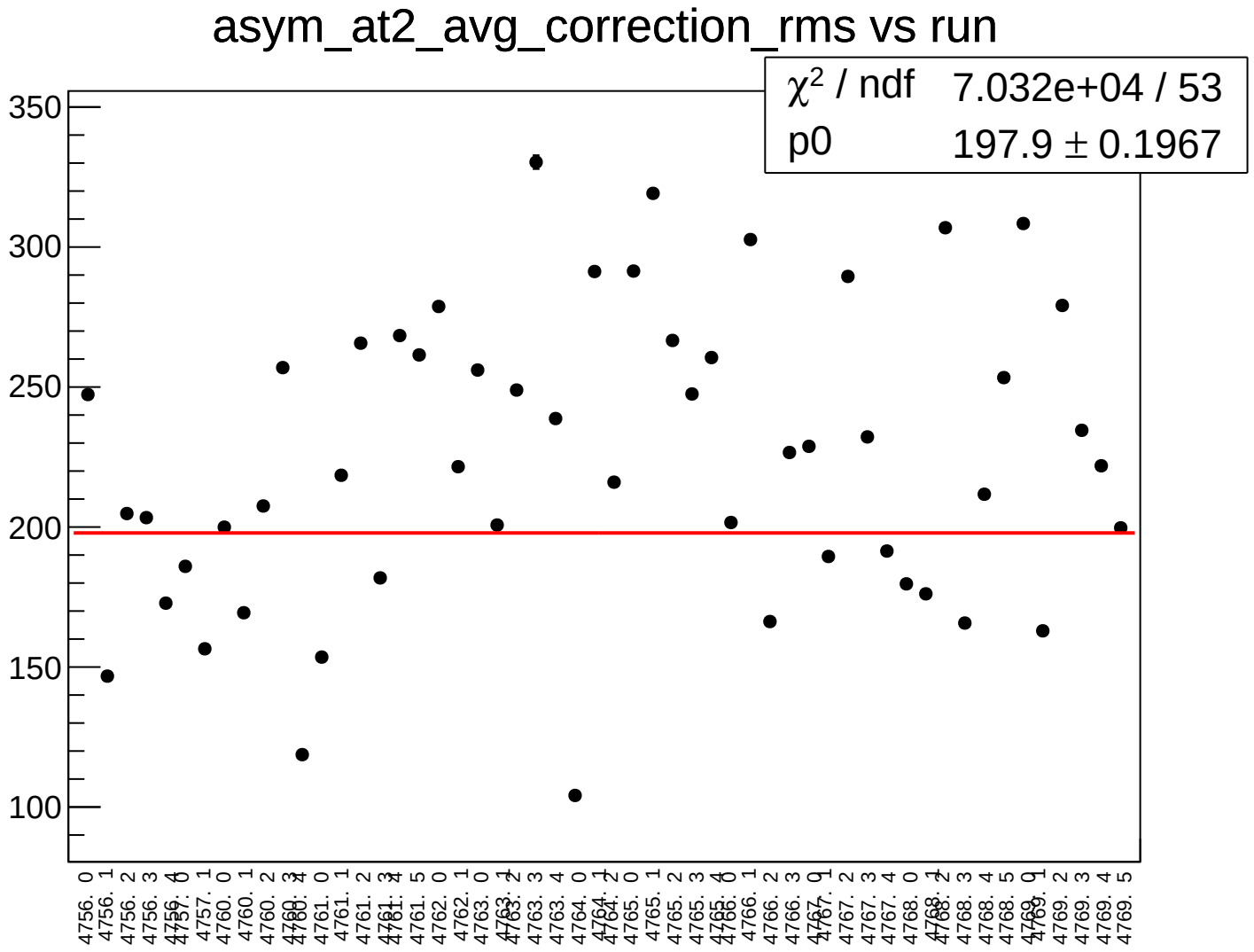

reg_asym_at2_avg_mean vs run
×10^3
χ² / ndf 49.14 / 53
p0 3338 ± 7203
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 94.38
Std Dev 57.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

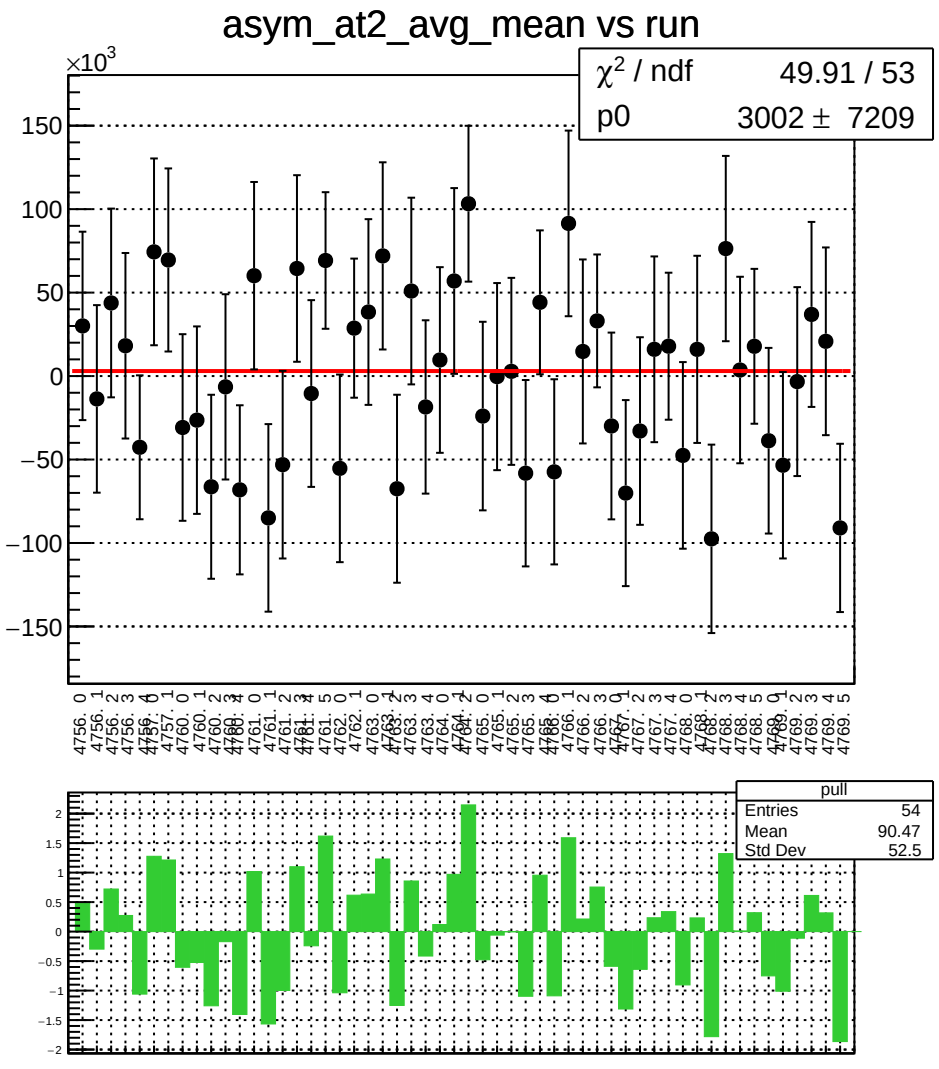

pull1D
Entries 54
Mean −0.02457
Std Dev 0.9536
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

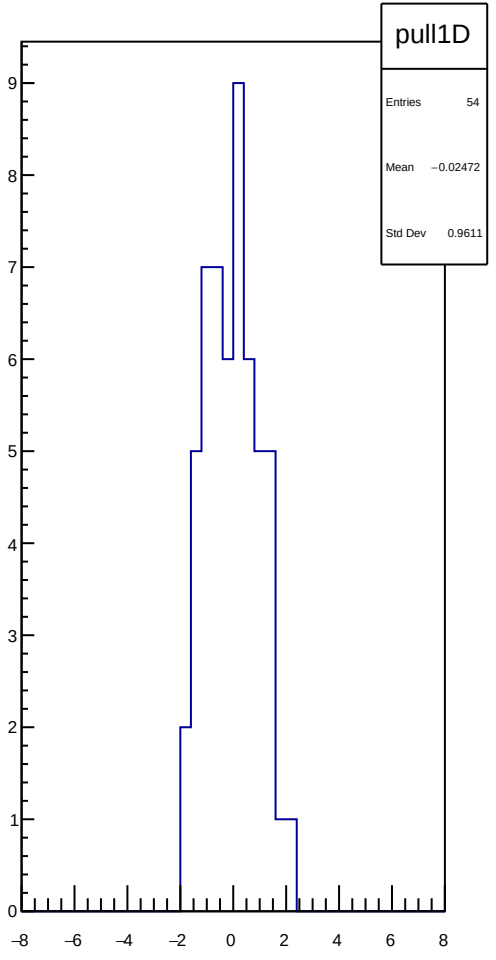

reg_asym_at2_avg_rms vs run
χ² / ndf 38.97 / 53
p0 5299 ± 5.093
5400
5350
5300
5250
5200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

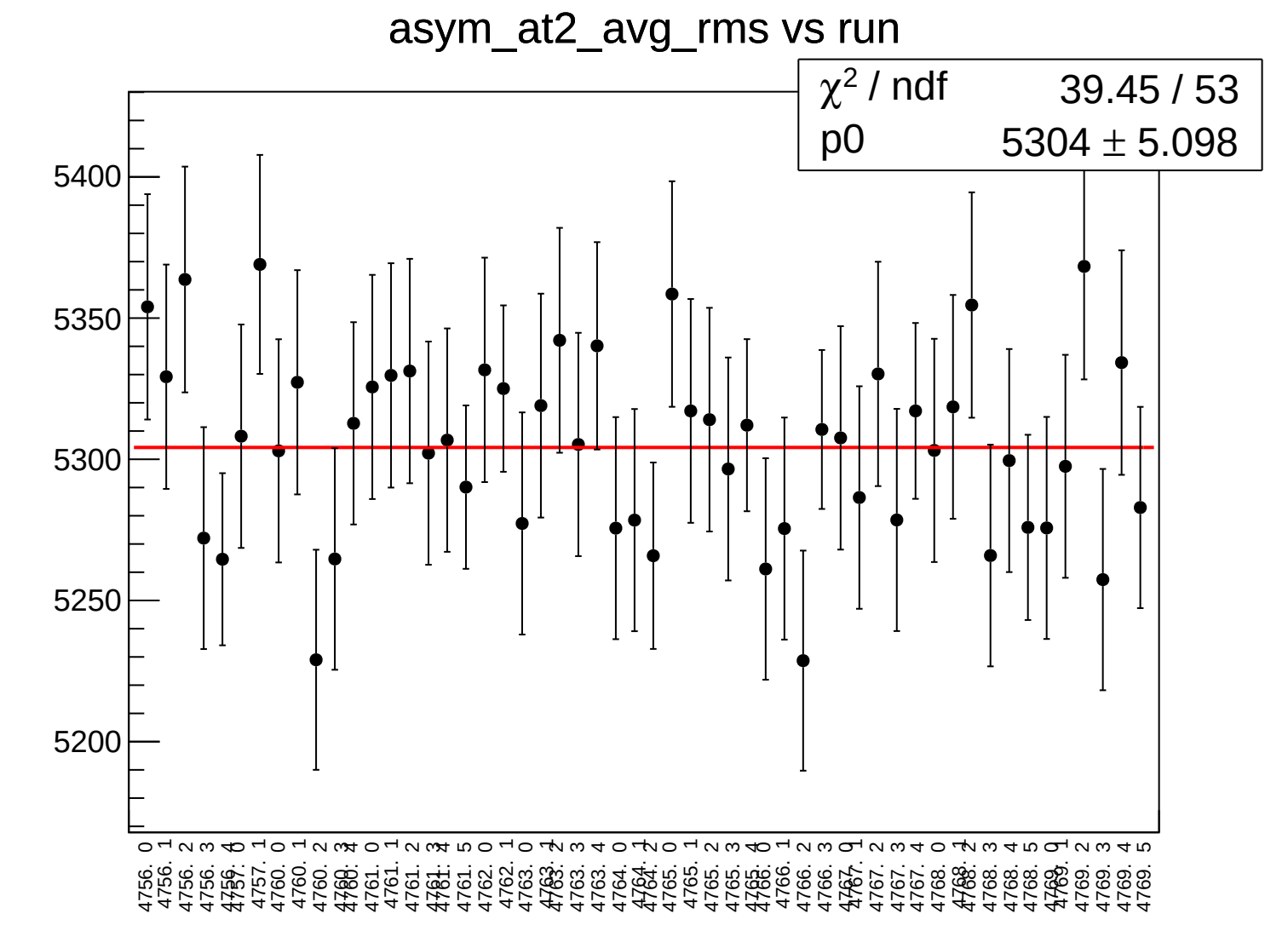

asym_at2_avg_correction_mean vs run
χ² / ndf 43.42 / 53
p0 435.7 ± 278.1
pull
Entries 54
Mean 219
Std Dev 195.1

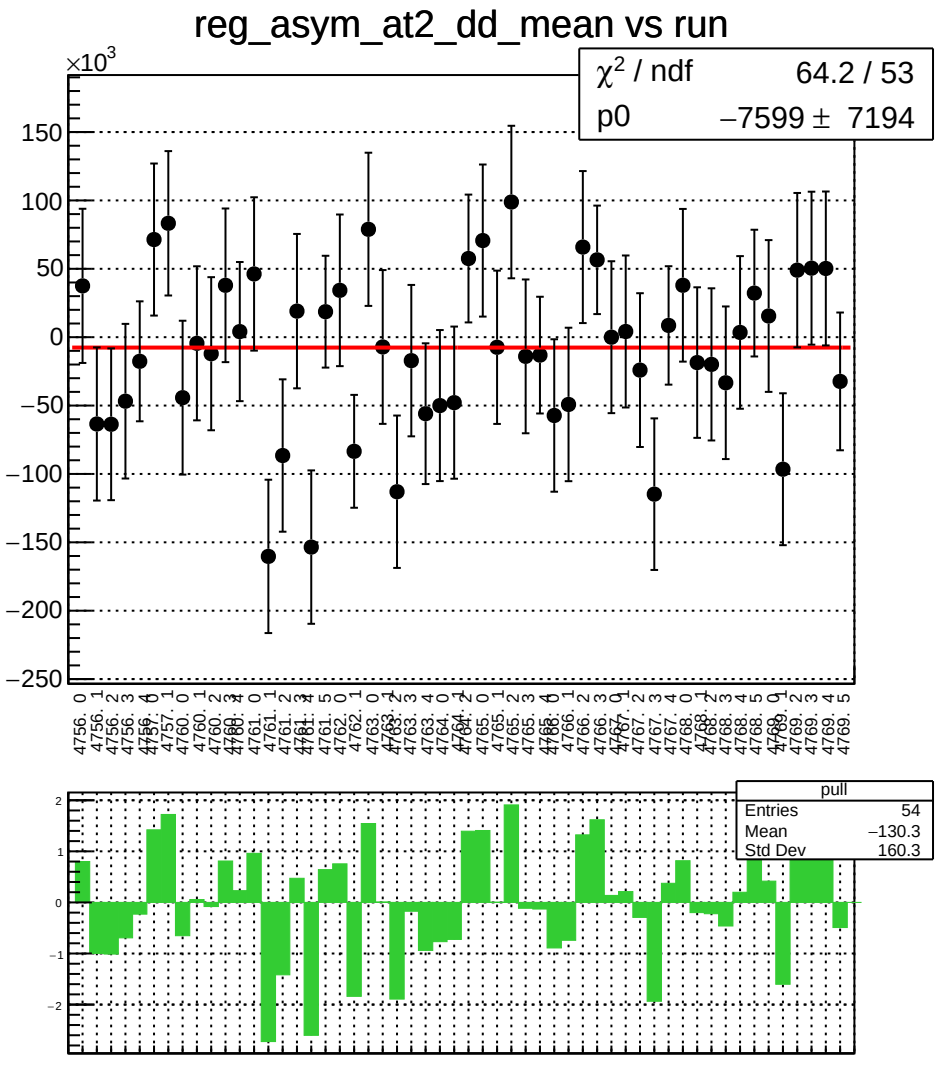

pull1D
Entries 54
Mean −0.01376
Std Dev 0.8966

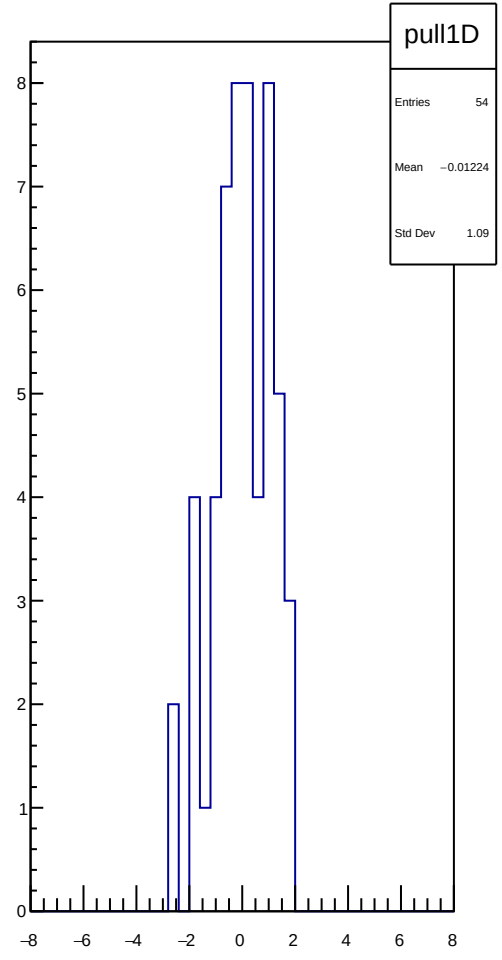

asym_at2_avg_correction_rms vs run
χ² / ndf 7.032e+04 / 53
p0 197.9 ± 0.1967
350
300
250
200
150
100
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

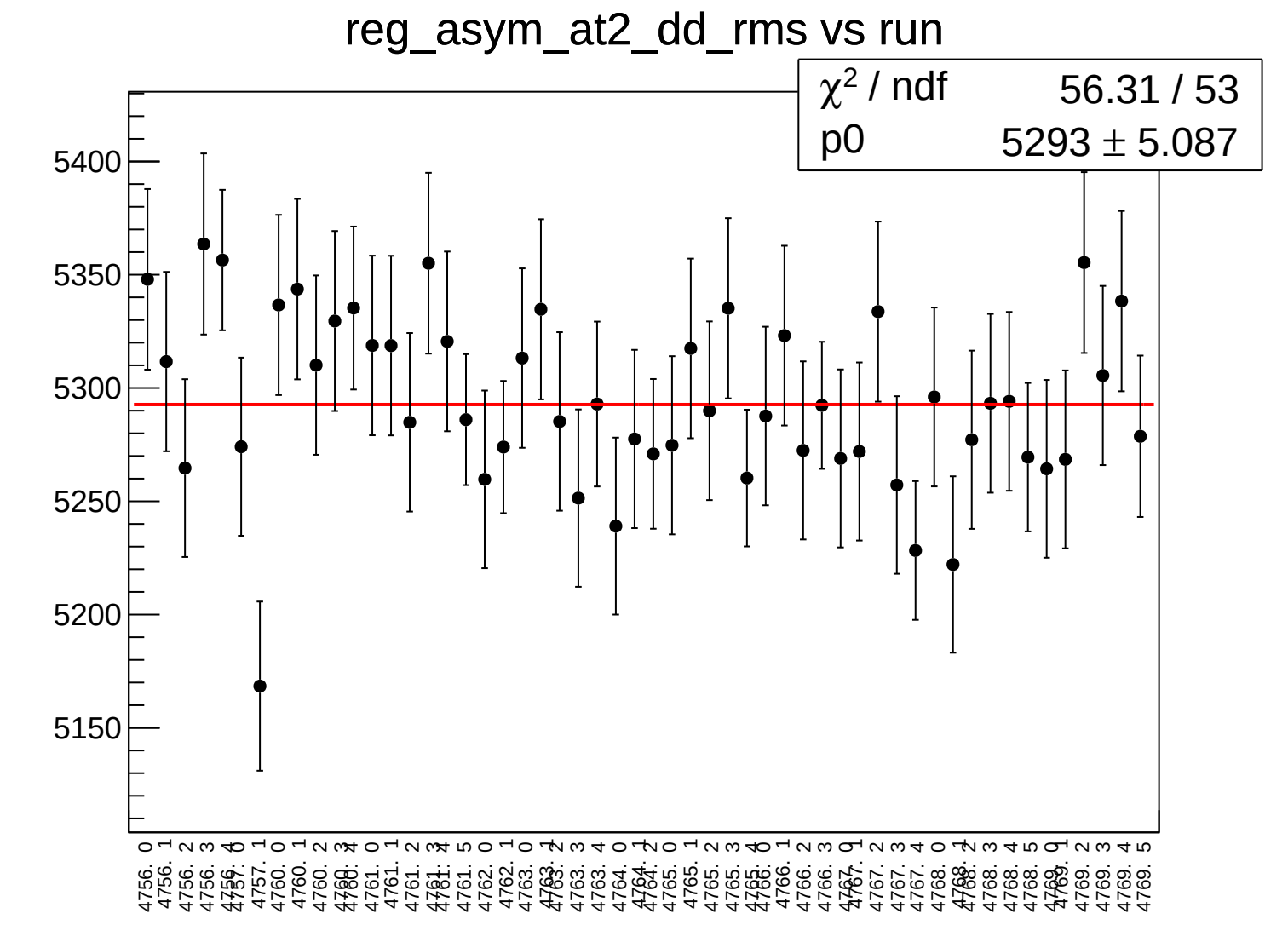

asym_at2_avg_mean vs run
×10^3
χ² / ndf 49.91 / 53
p0 3002 ± 7209
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 90.47
Std Dev 52.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

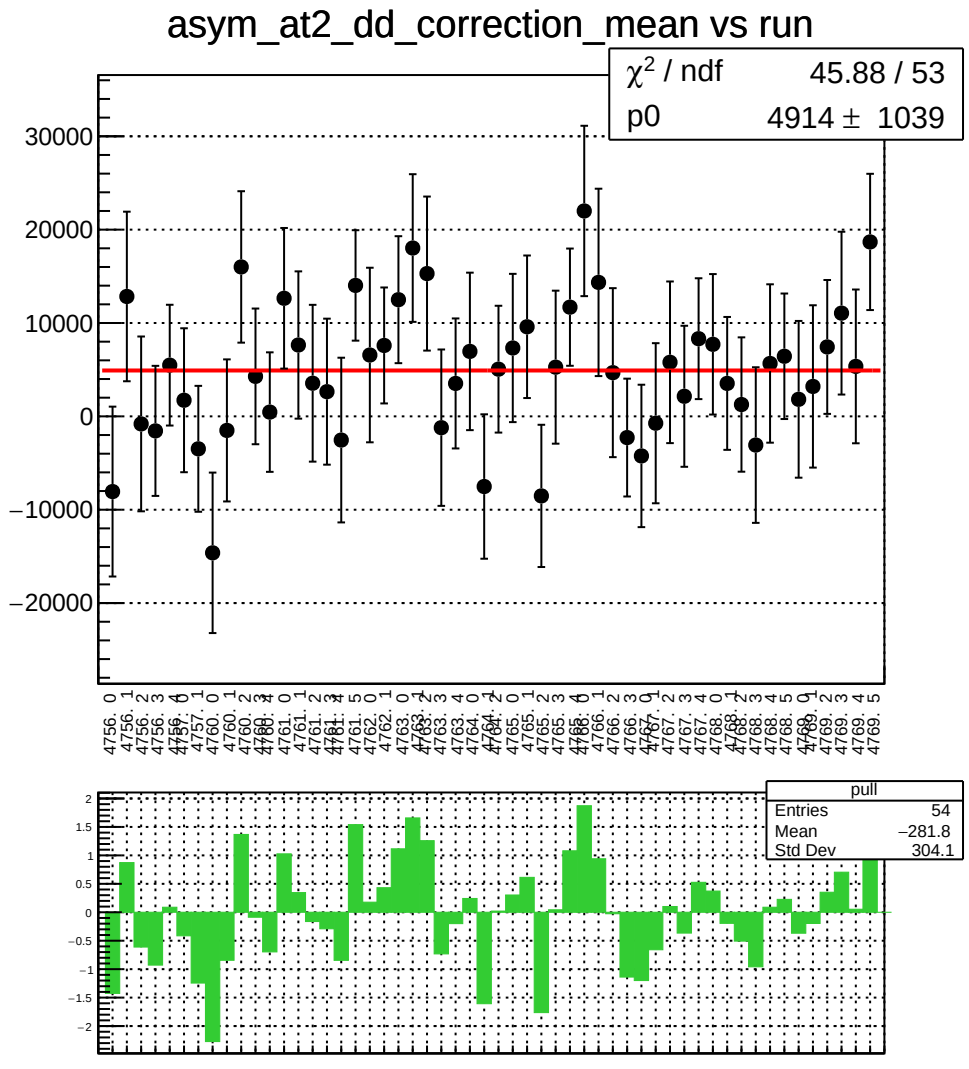

pull1D
Entries 54
Mean −0.02472
Std Dev 0.9611
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

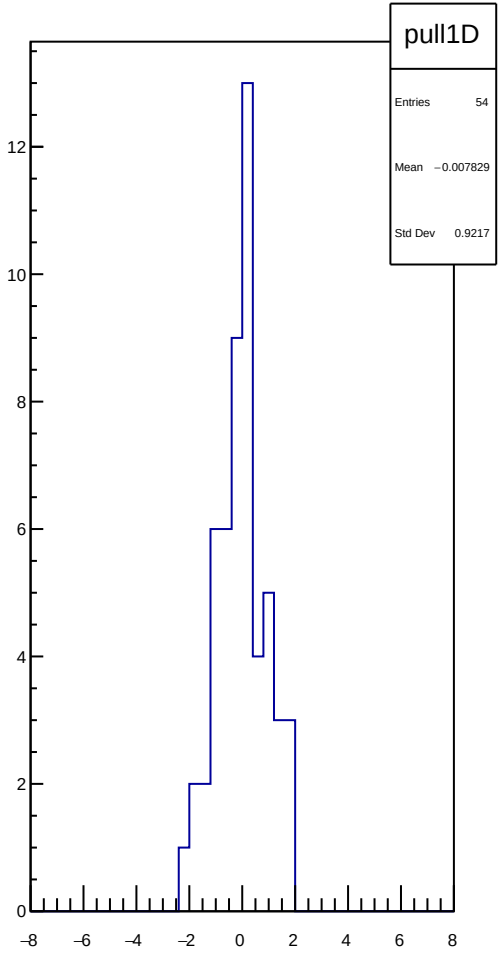

asym_at2_avg_rms vs run
χ² / ndf 39.45 / 53
p0 5304 ± 5.098
5400
5350
5300
5250
5200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

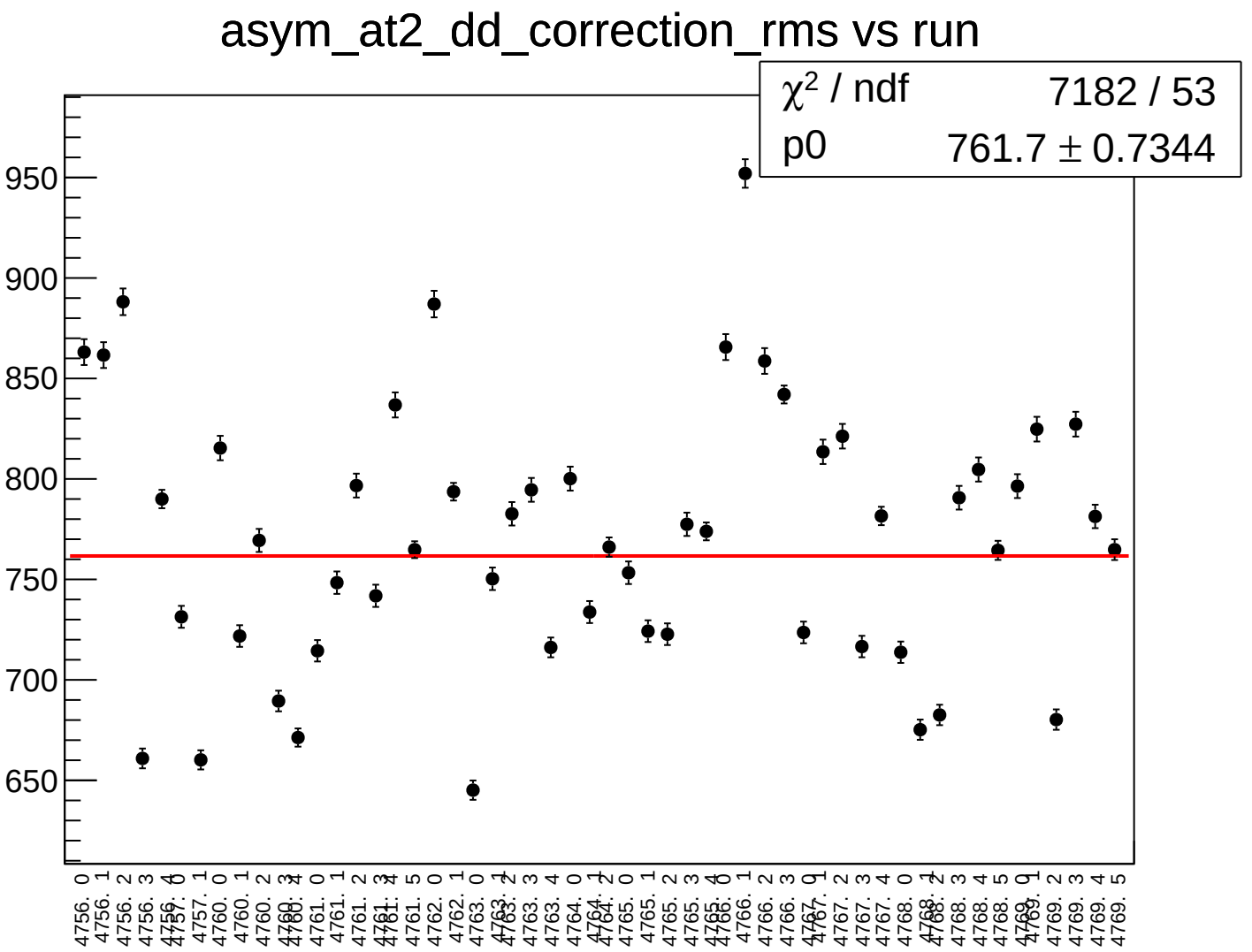

reg_asym_at2_dd_mean vs run
×10^3
χ² / ndf 64.2 / 53
p0 −7599 ± 7194
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 54
Mean −130.3
Std Dev 160.3
2
1
0
−1
−2

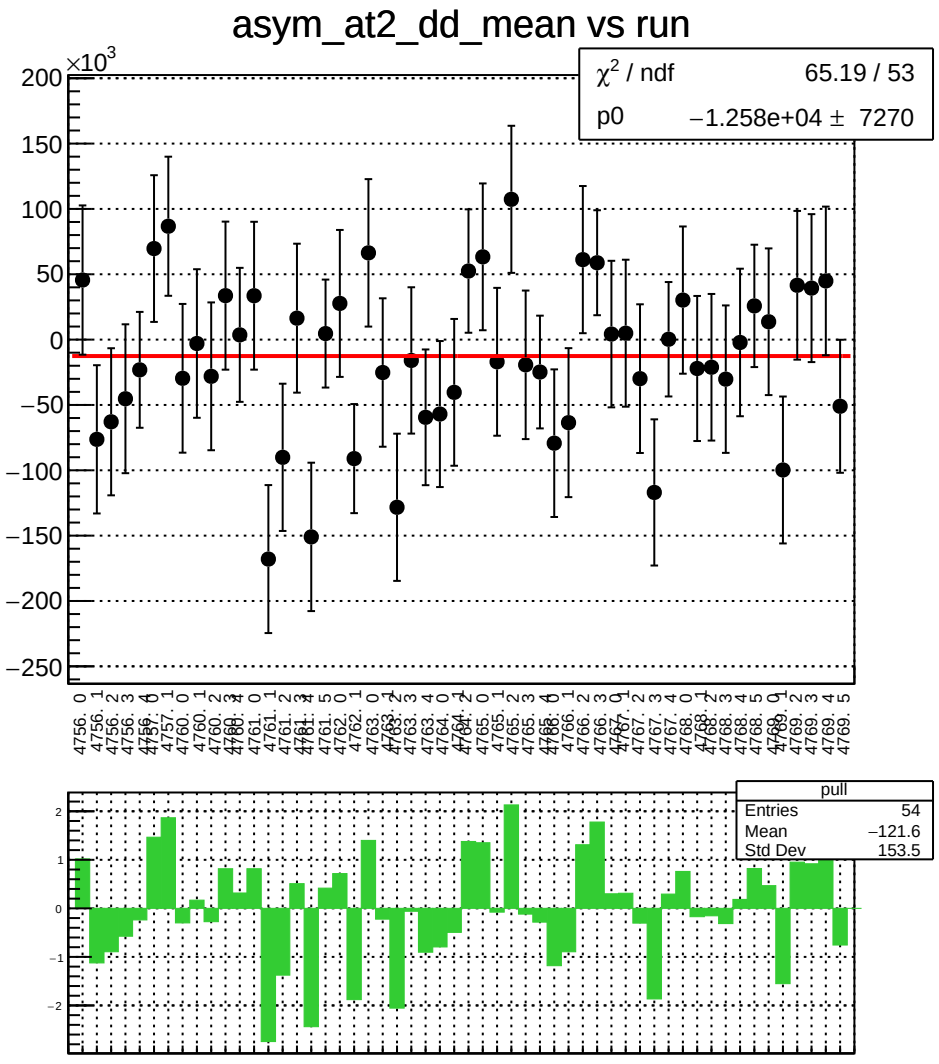

pull1D
Entries 54
Mean −0.01224
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

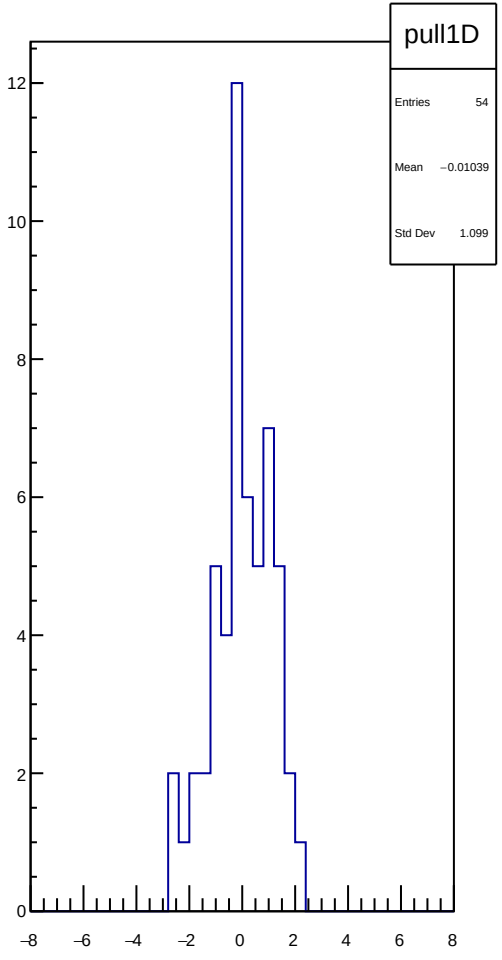

reg_asym_at2_dd_rms vs run
χ² / ndf 56.31 / 53
p0 5293 ± 5.087
5400
5350
5300
5250
5200
5150

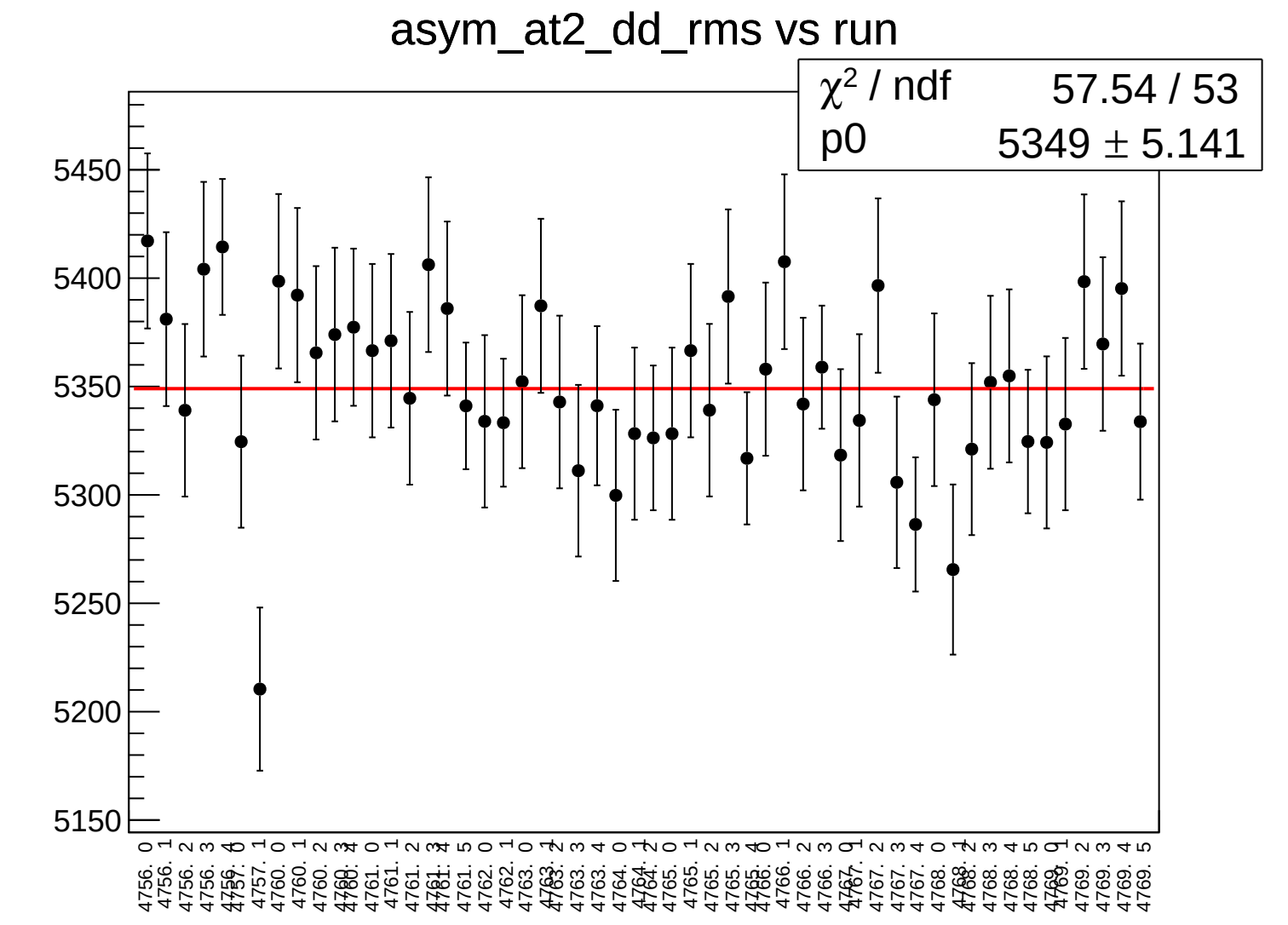

asym_at2_dd_correction_mean vs run
χ² / ndf 45.88 / 53
p0 4914 ± 1039
pull
Entries 54
Mean −281.8
Std Dev 304.1

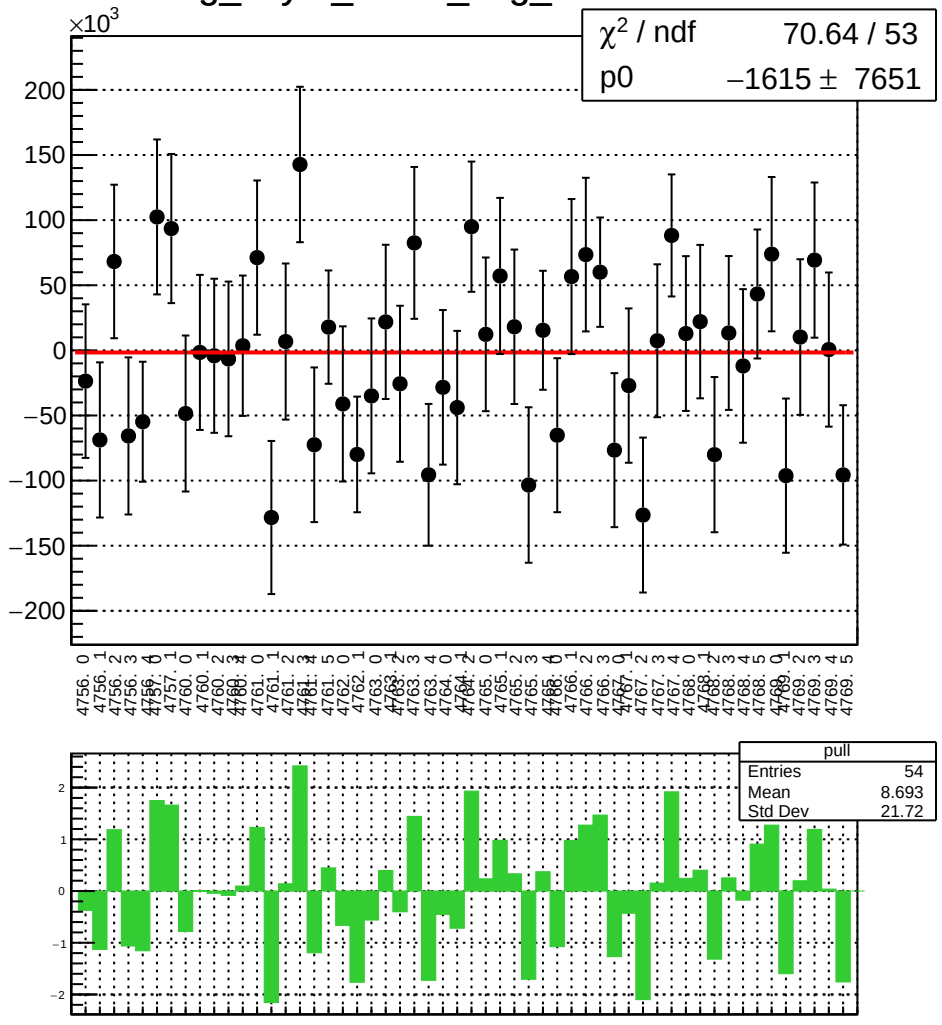

pull1D
Entries 54
Mean −0.007829
Std Dev 0.9217

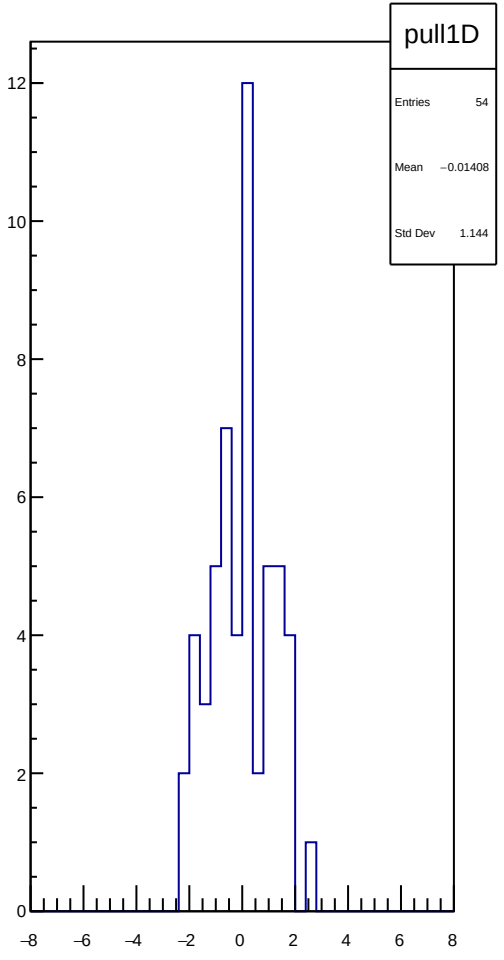

asym_at2_dd_correction_rms vs run
χ² / ndf 7182 / 53
p0 761.7 ± 0.7344
950
900
850
800
750
700
650
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

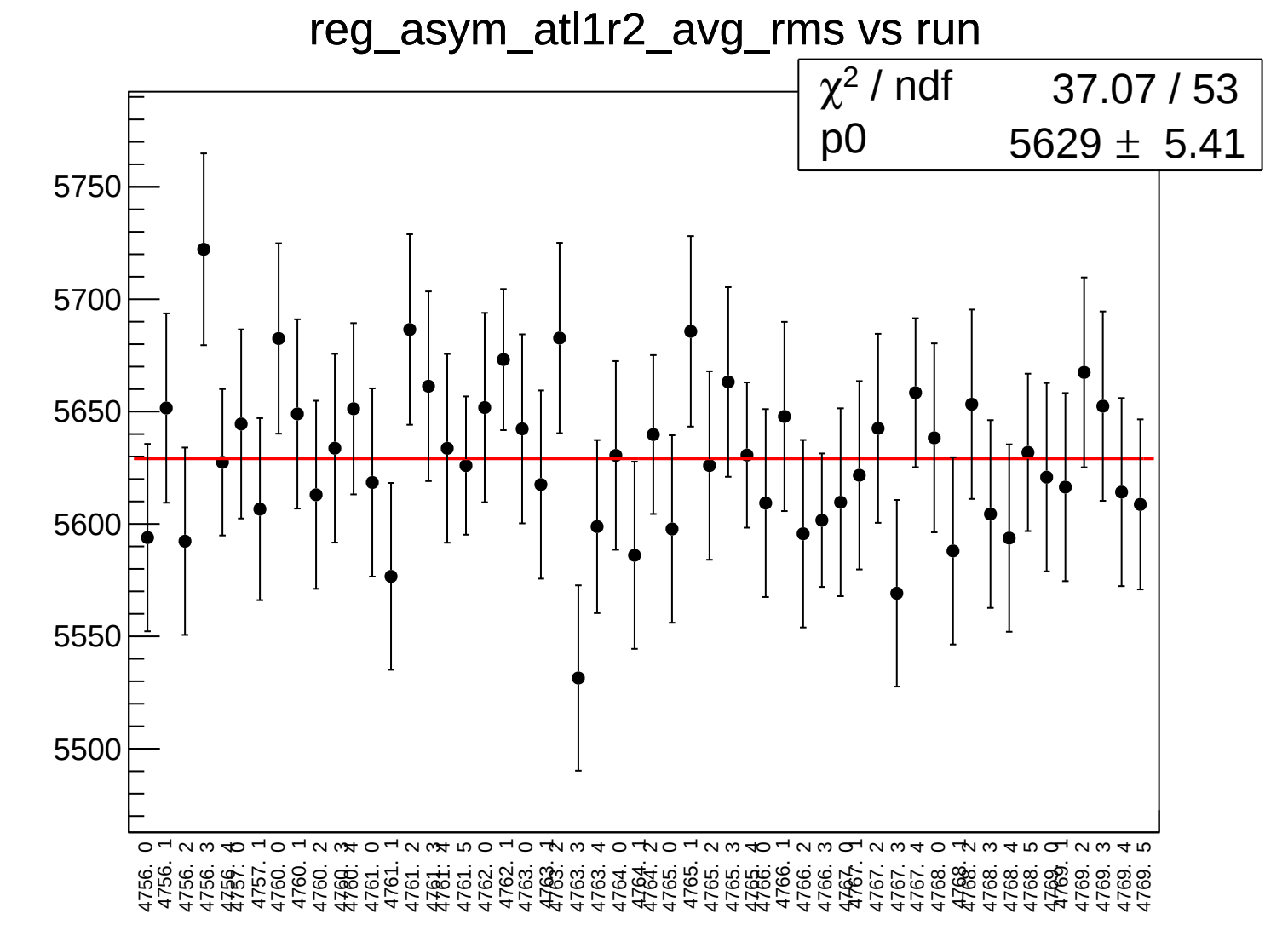

asym_at2_dd_mean vs run
×10^3
χ² / ndf 65.19 / 53
p0 −1.258e+04 ± 7270
pull
Entries 54
Mean −121.6
Std Dev 153.5


pull1D
Entries 54
Mean −0.01039
Std Dev 1.099


asym_at2_dd_rms vs run
χ^2 / ndf 57.54 / 53
p0 5349 ± 5.141
5450
5400
5350
5300
5250
5200
5150
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 70.64 / 53
p0 −1615 ± 7651
pull
Entries 54
Mean 8.693
Std Dev 21.72


pull1D
Entries 54
Mean −0.01408
Std Dev 1.144


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 37.07 / 53
p0 5629 ± 5.41
5750
5700
5650
5600
5550
5500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
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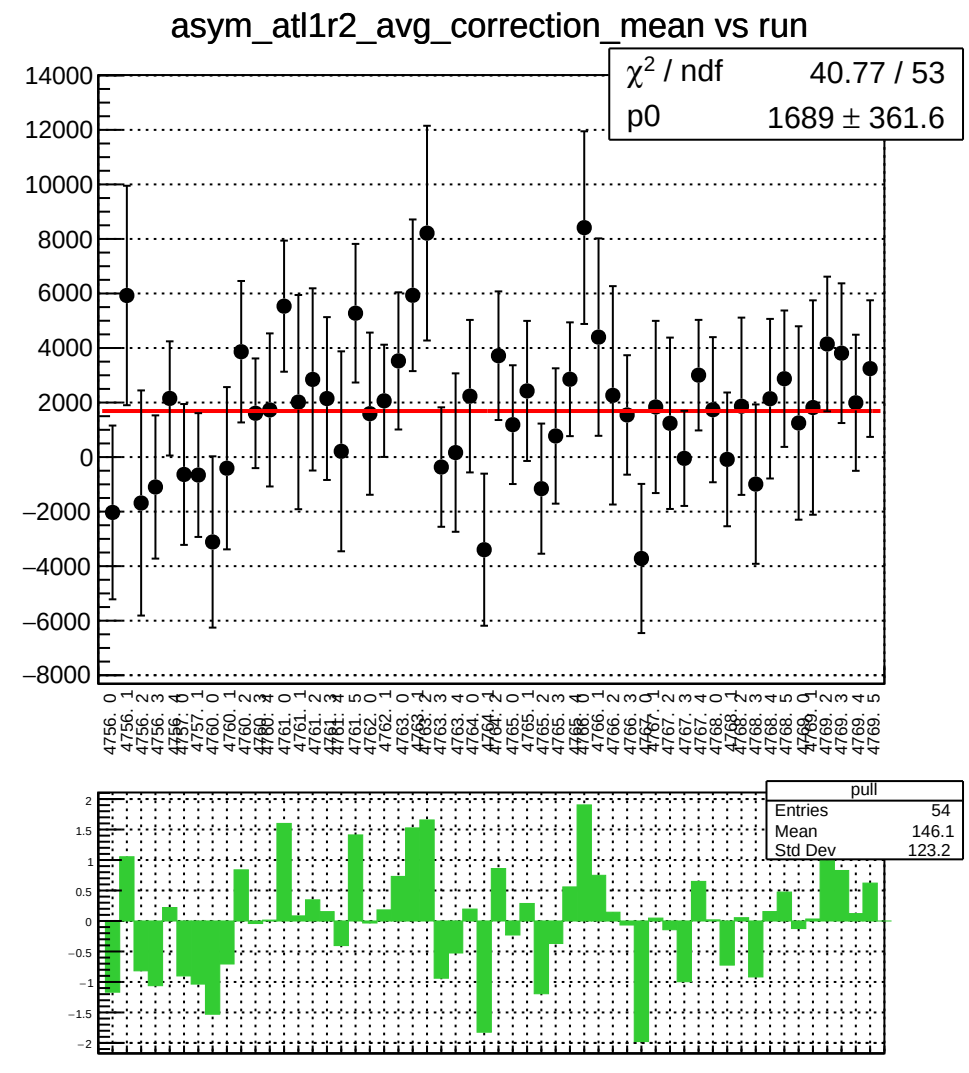
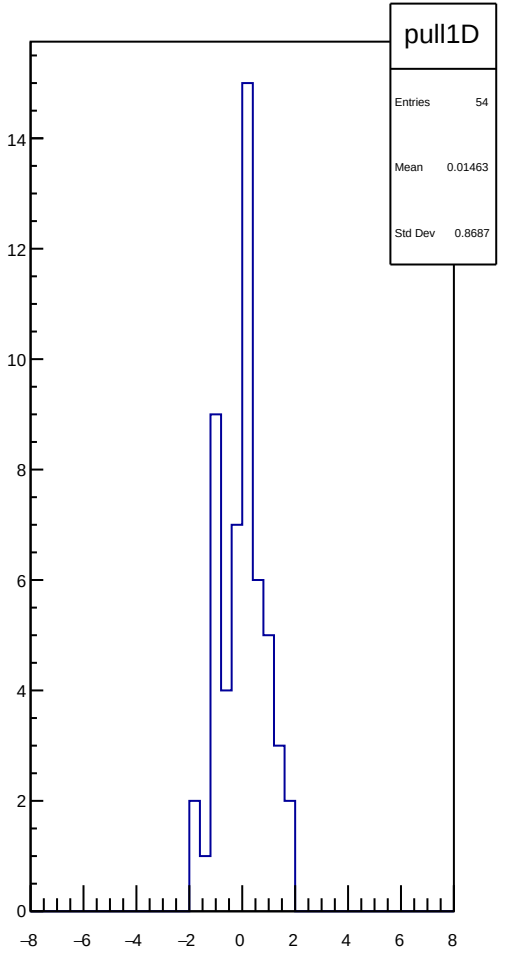
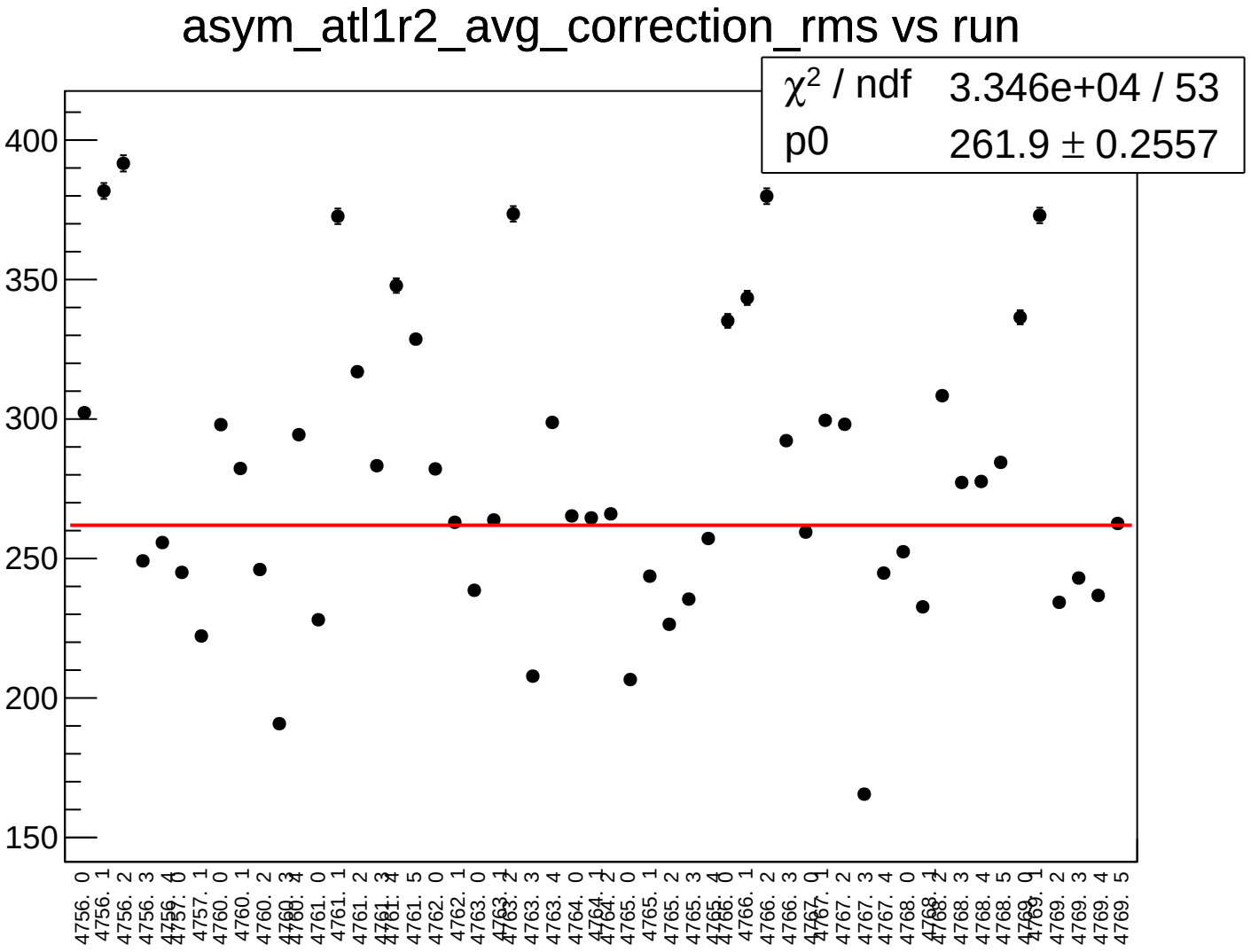
4769. 2
4769. 3
4769. 4
4769. 5


asym_atl1r2_avg_correction_mean vs run
χ² / ndf 40.77 / 53
p0 1689 ± 361.6
pull
Entries 54
Mean 146.1
Std Dev 123.2


pull1D
Entries 54
Mean 0.01463
Std Dev 0.8687


asym_atl1r2_avg_correction_rms vs run
χ² / ndf 3.346e+04 / 53
p0 261.9 ± 0.2557
400
350
300
250
200
150
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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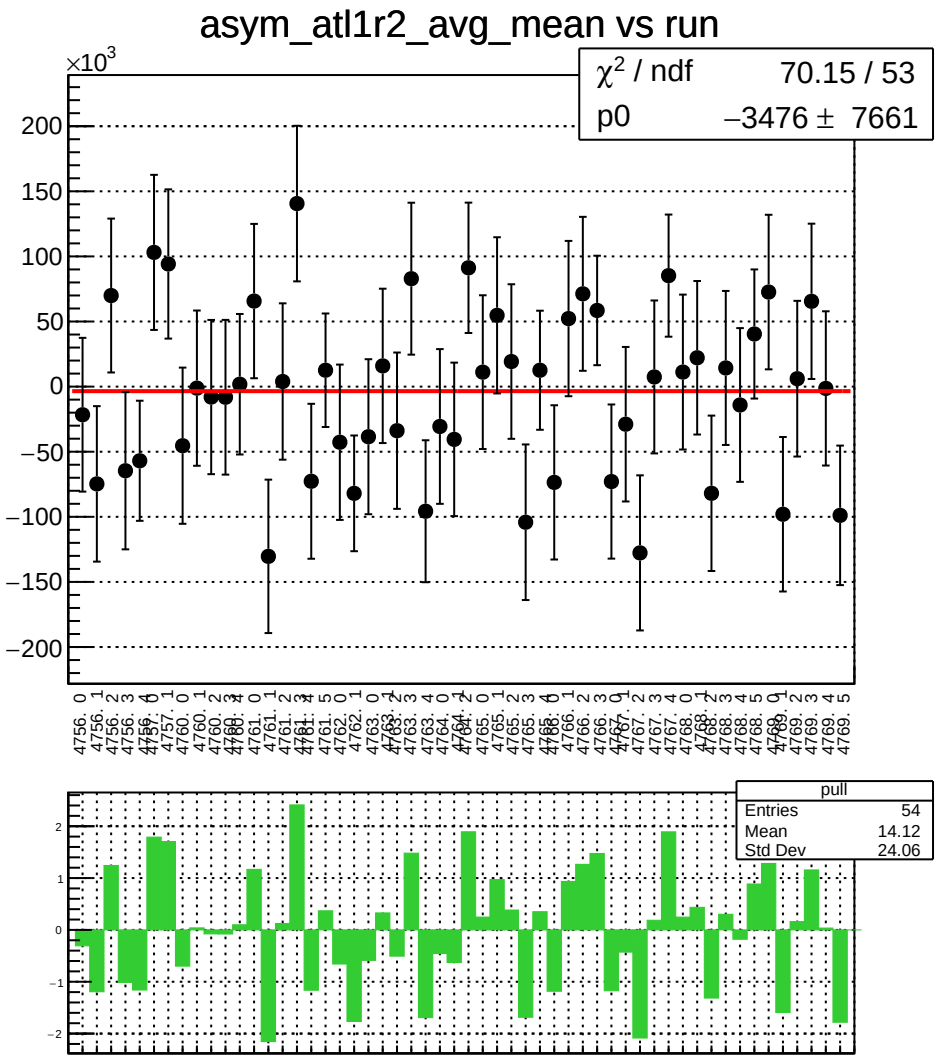
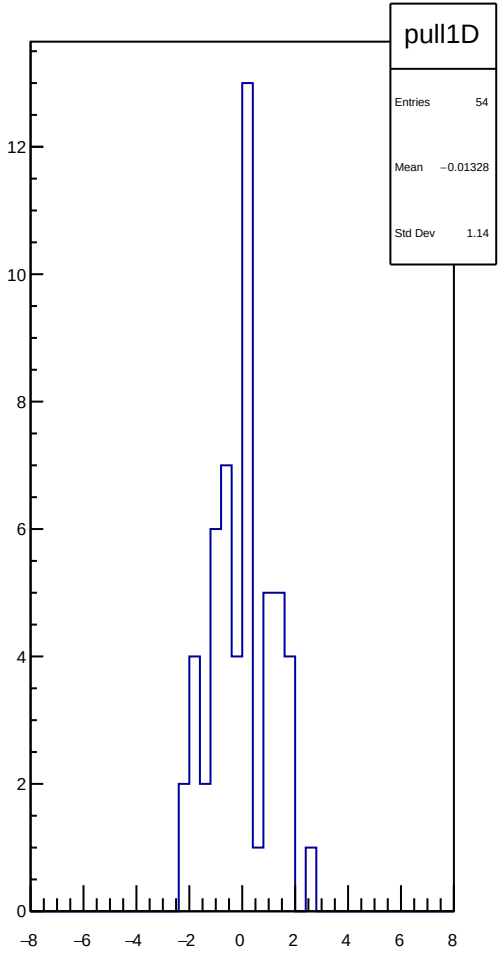
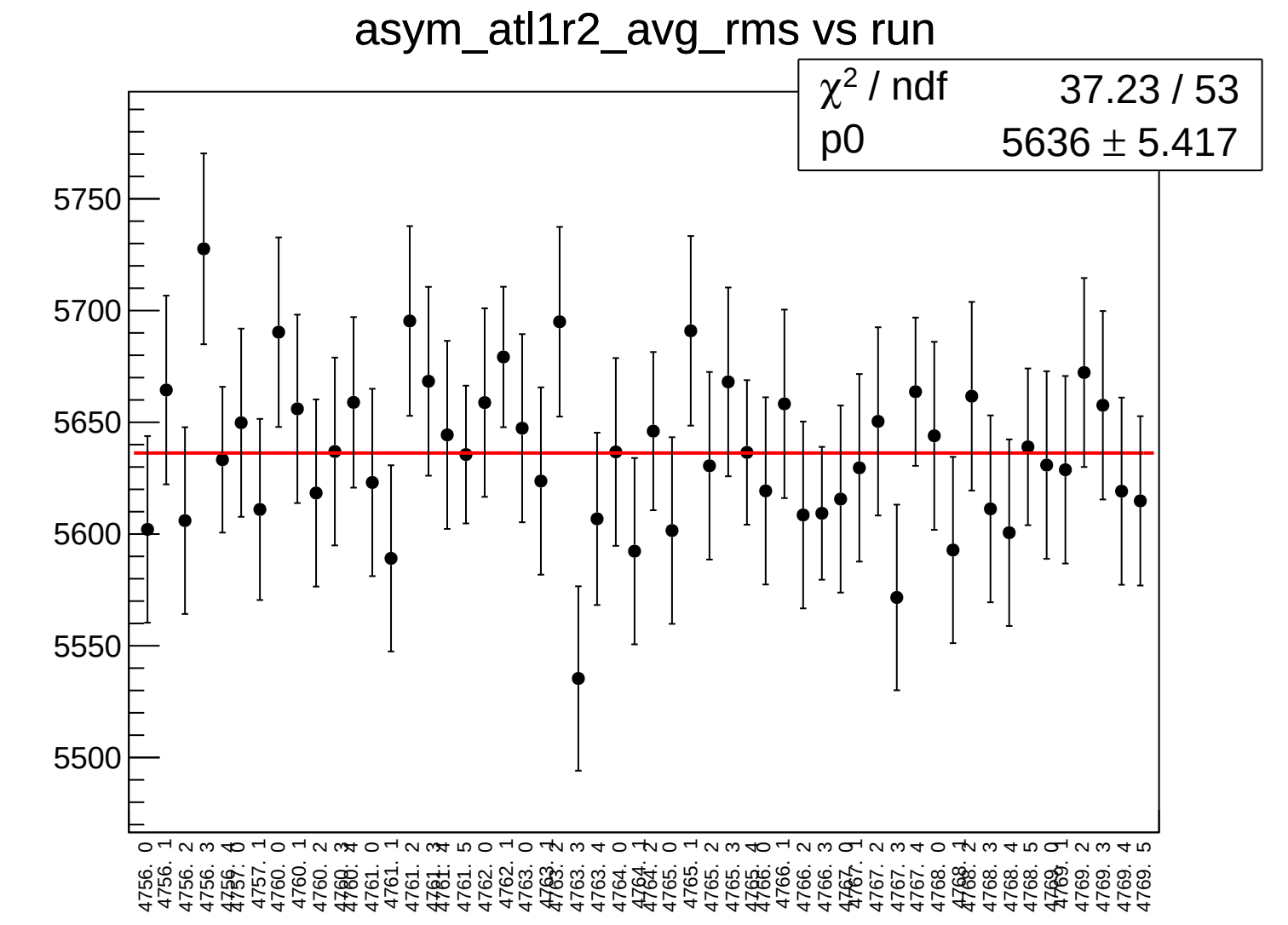
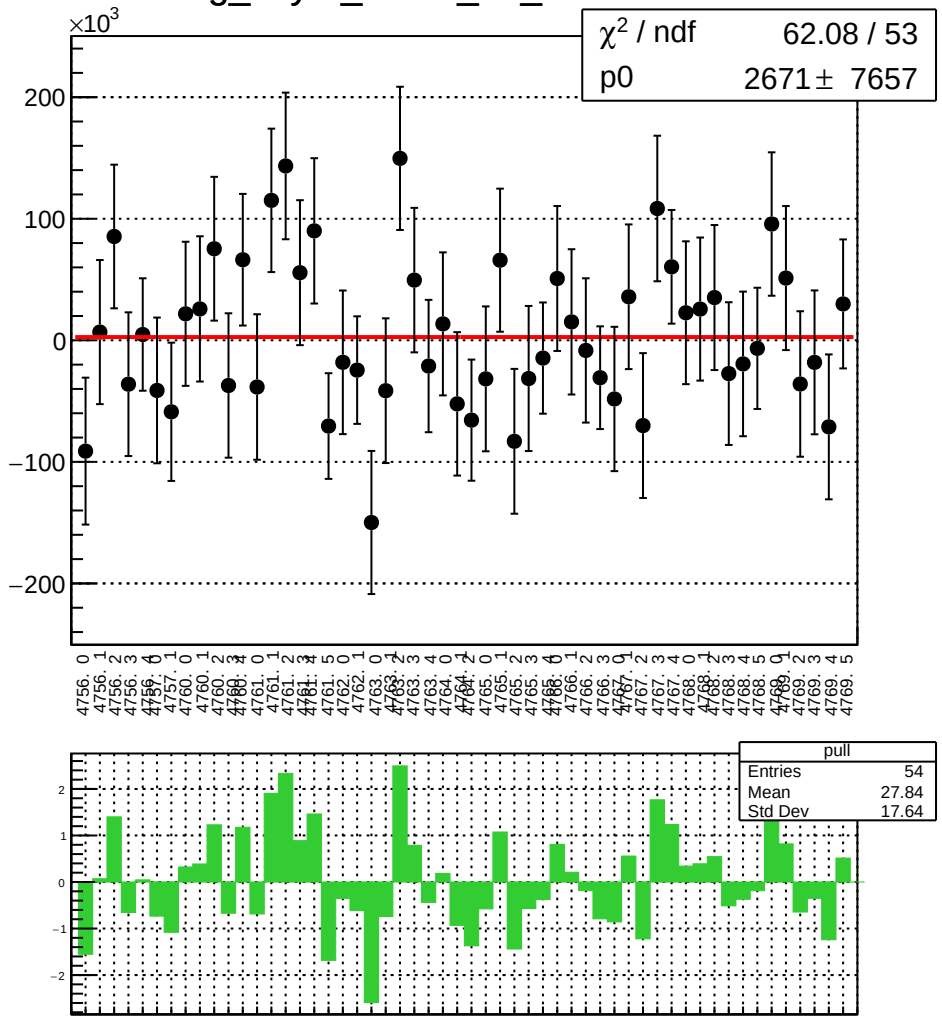
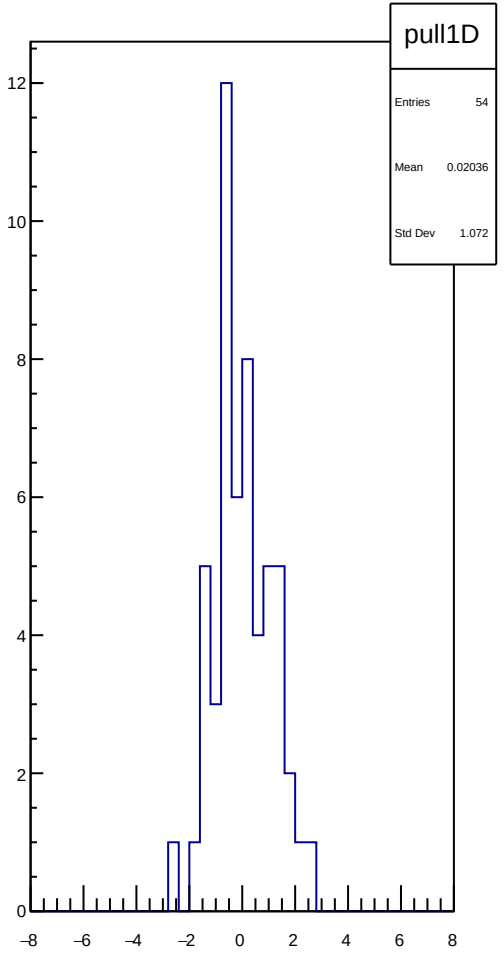
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

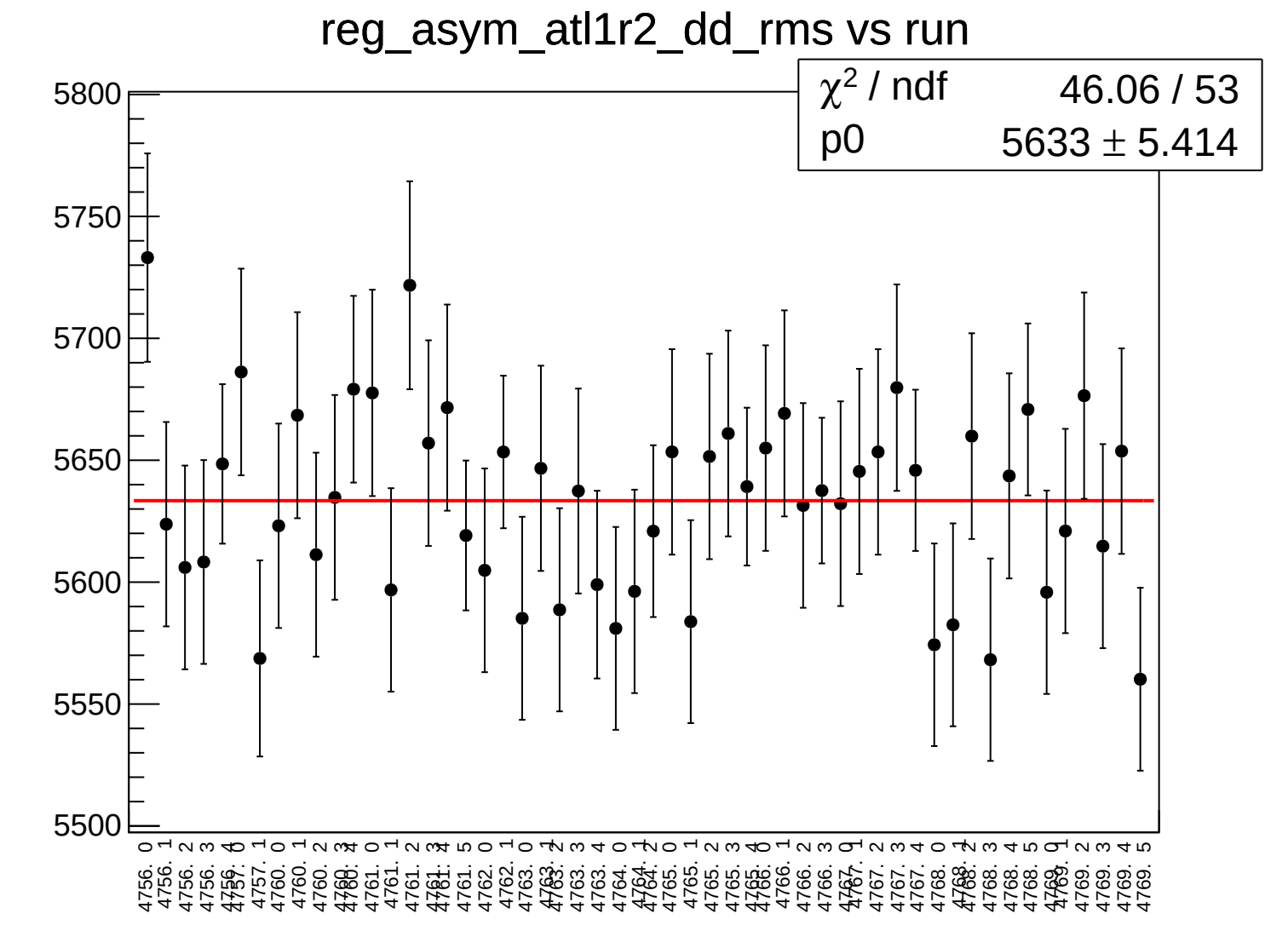

asym_atl1r2_avg_mean vs run
×10^3
χ^2 / ndf 70.15 / 53
p0 −3476 ± 7661
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean 14.12
Std Dev 24.06
2
1
0
−1
−2

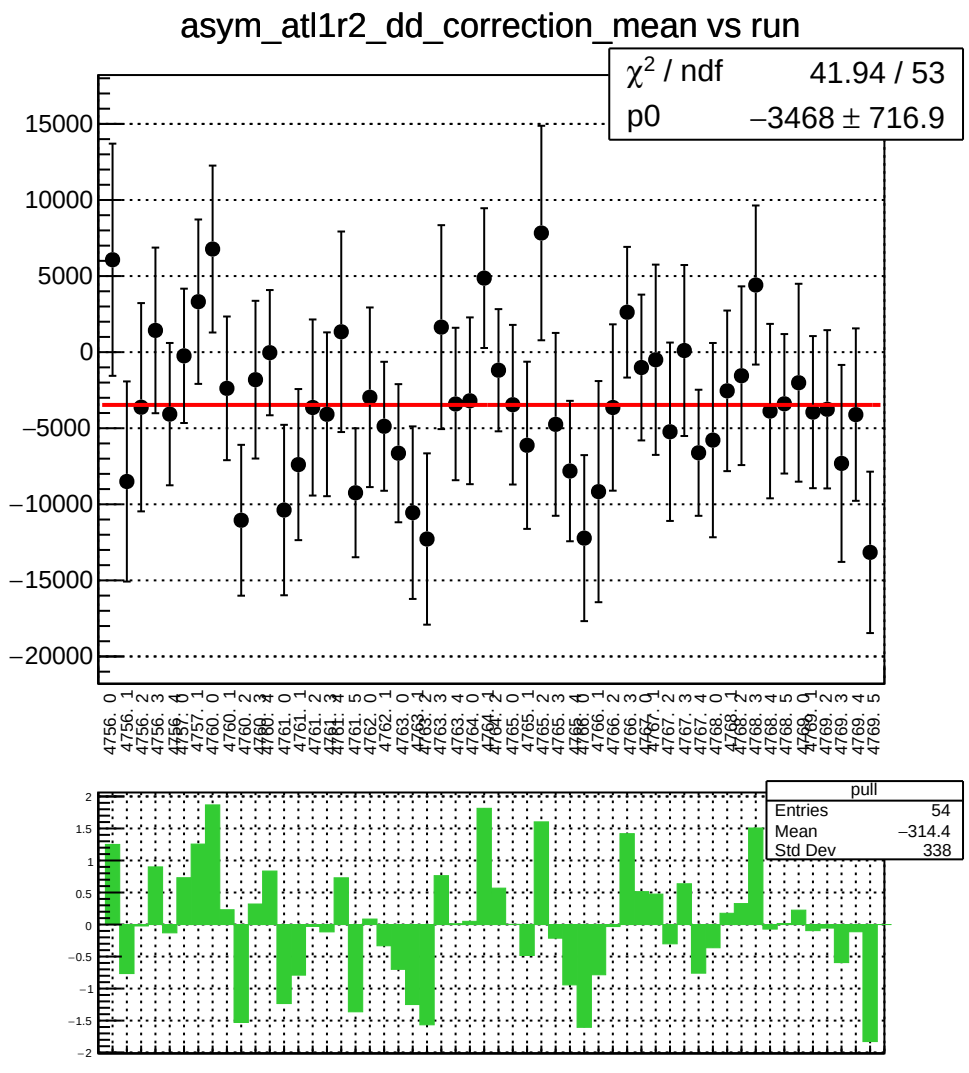

pull1D
Entries 54
Mean −0.01328
Std Dev 1.14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

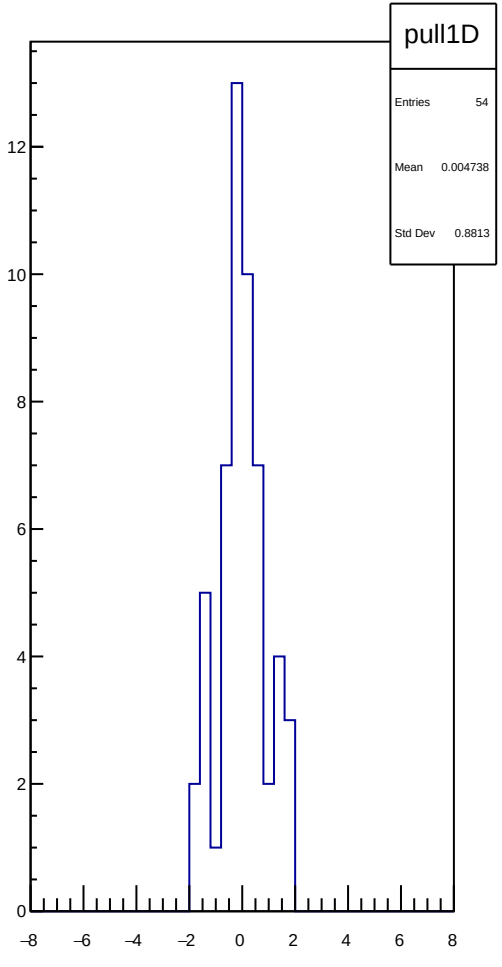

asym_atl1r2_avg_rms vs run
χ^2 / ndf 37.23 / 53
p0 5636 ± 5.417
5750
5700
5650
5600
5550
5500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

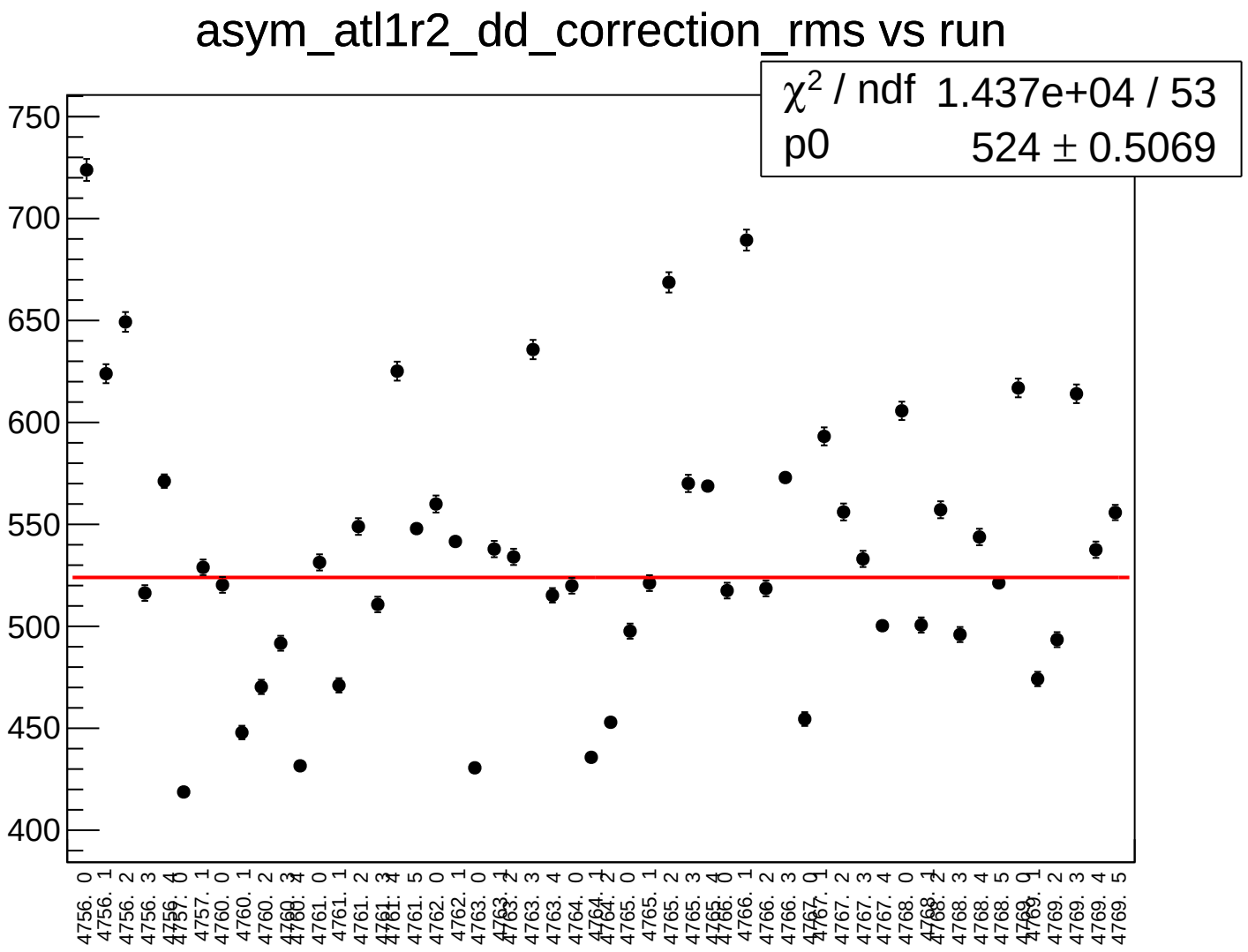

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 62.08 / 53
p0 2671 ± 7657
pull
Entries 54
Mean 27.84
Std Dev 17.64

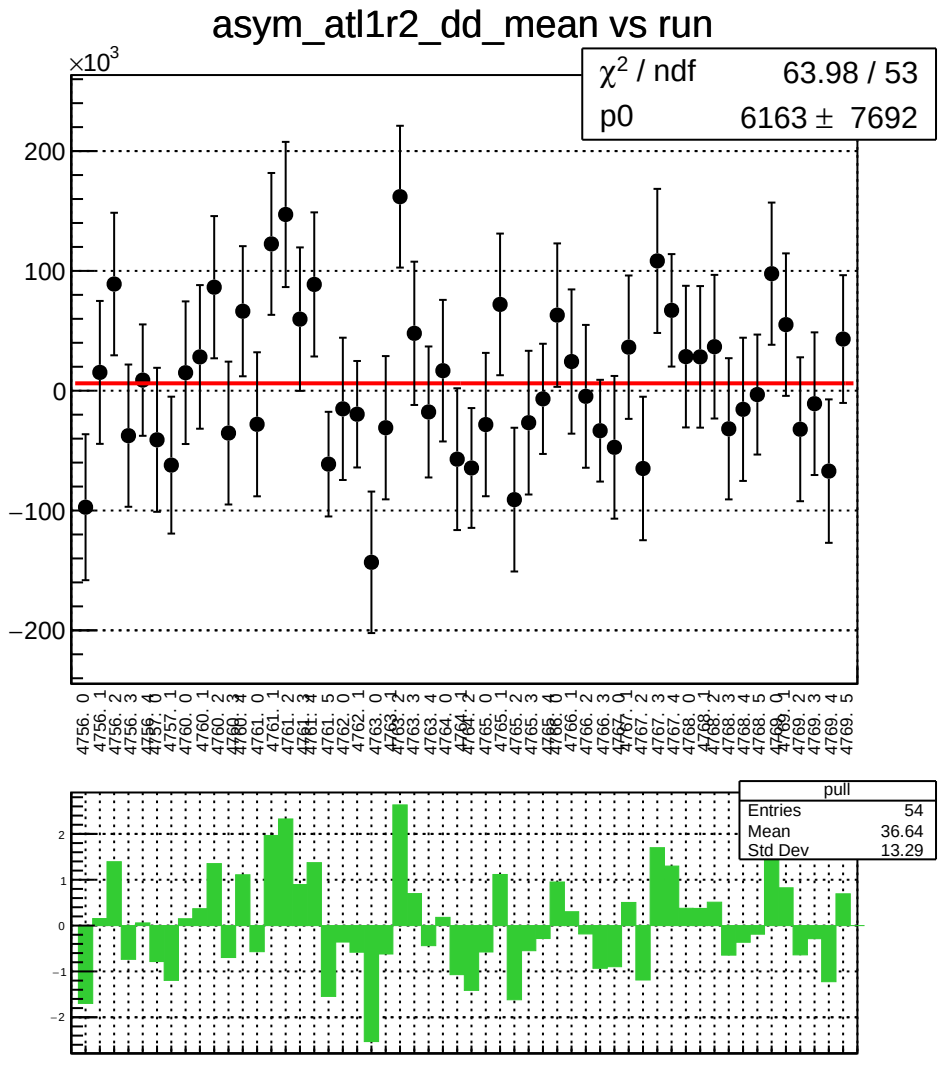

pull1D
Entries 54
Mean 0.02036
Std Dev 1.072

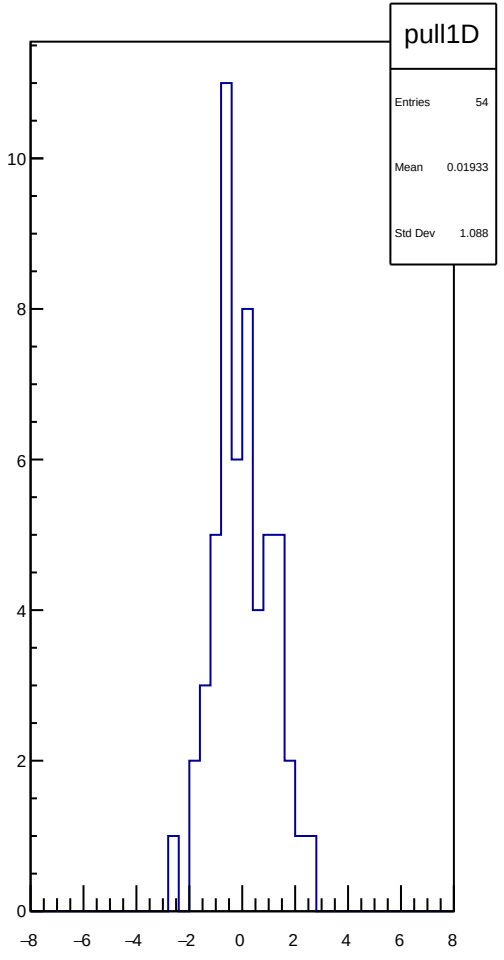

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 46.06 / 53
p0 5633 ± 5.414
5800
5750
5700
5650
5600
5550
5500

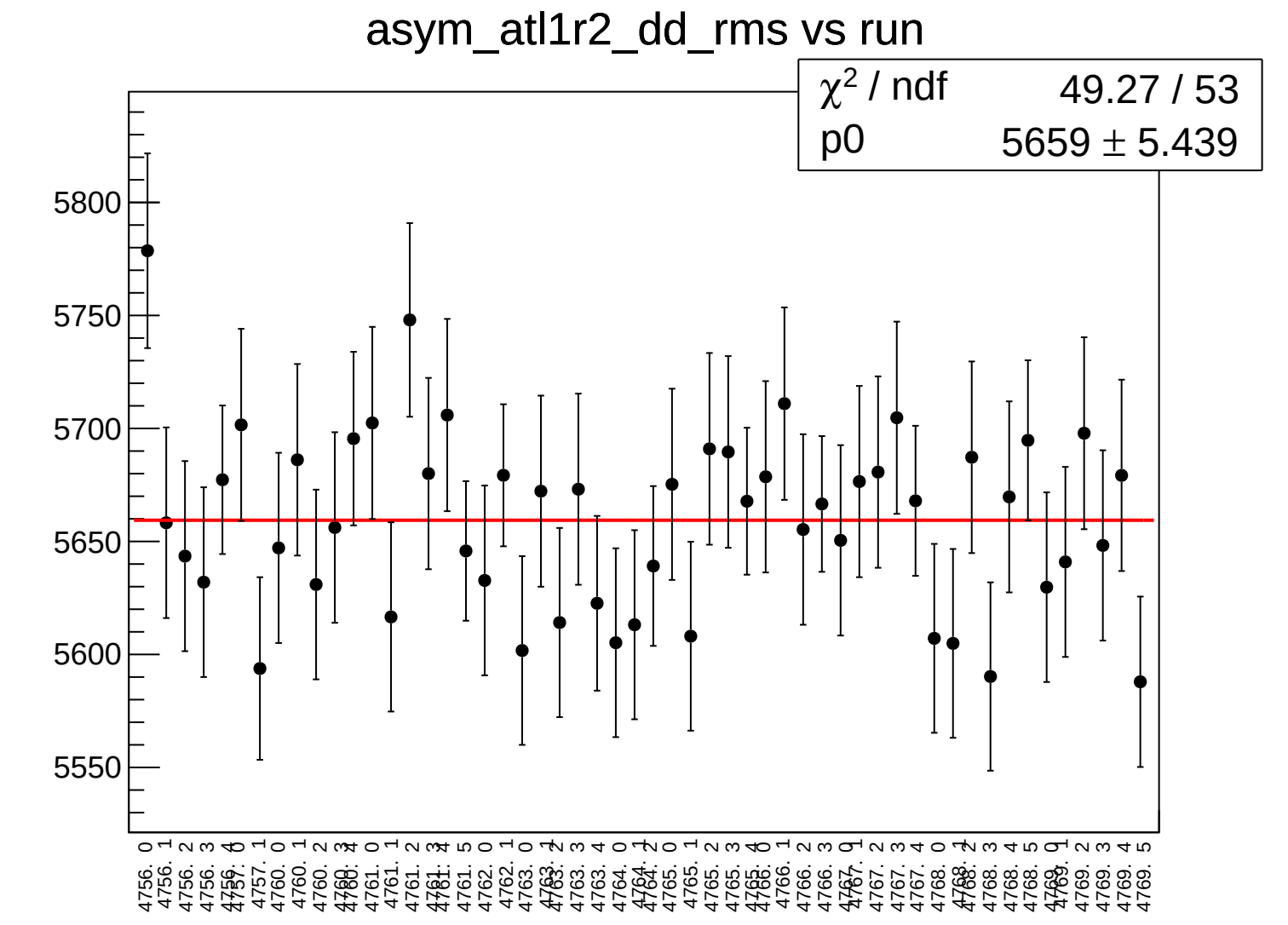

asym_atl1r2_dd_correction_mean vs run
χ² / ndf 41.94 / 53
p0 −3468 ± 716.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 54
Mean −314.4
Std Dev 338
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

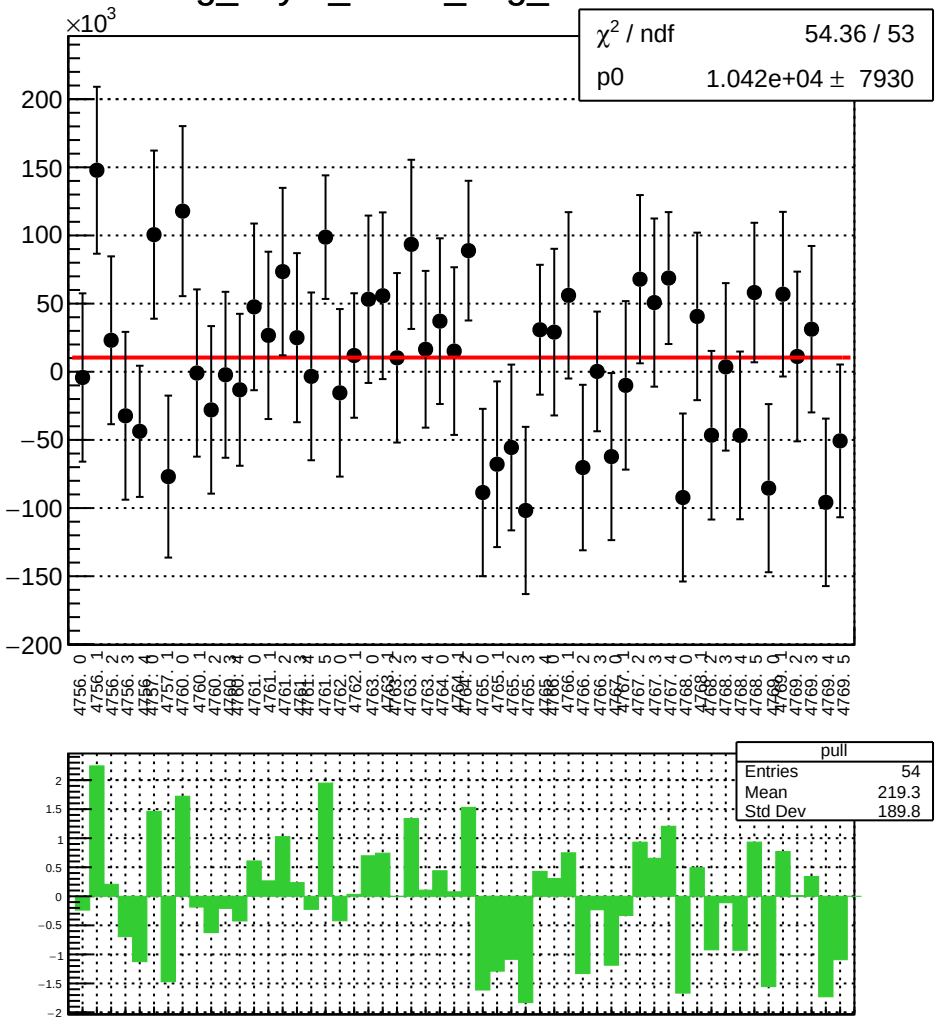

pull1D
Entries 54
Mean 0.004738
Std Dev 0.8813
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

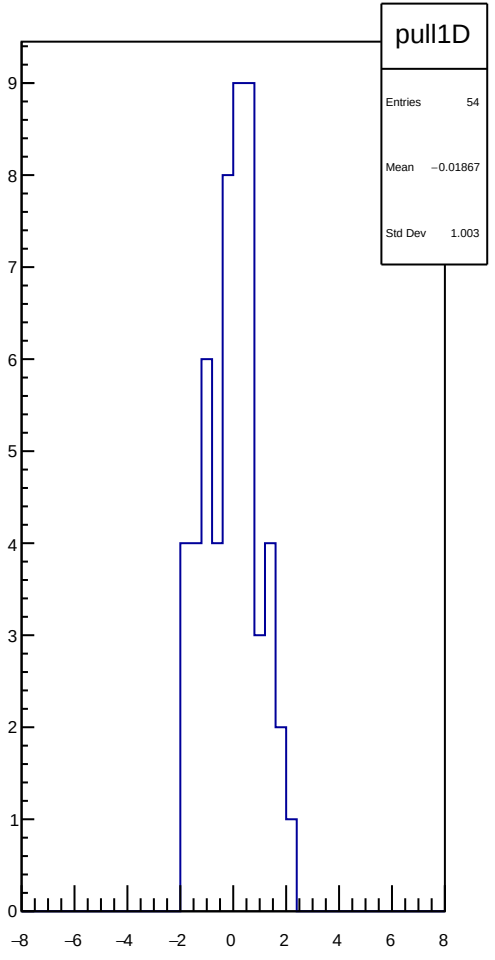

asym_atl1r2_dd_correction_rms vs run
χ² / ndf 1.437e+04 / 53
p0 524 ± 0.5069
750
700
650
600
550
500
450
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

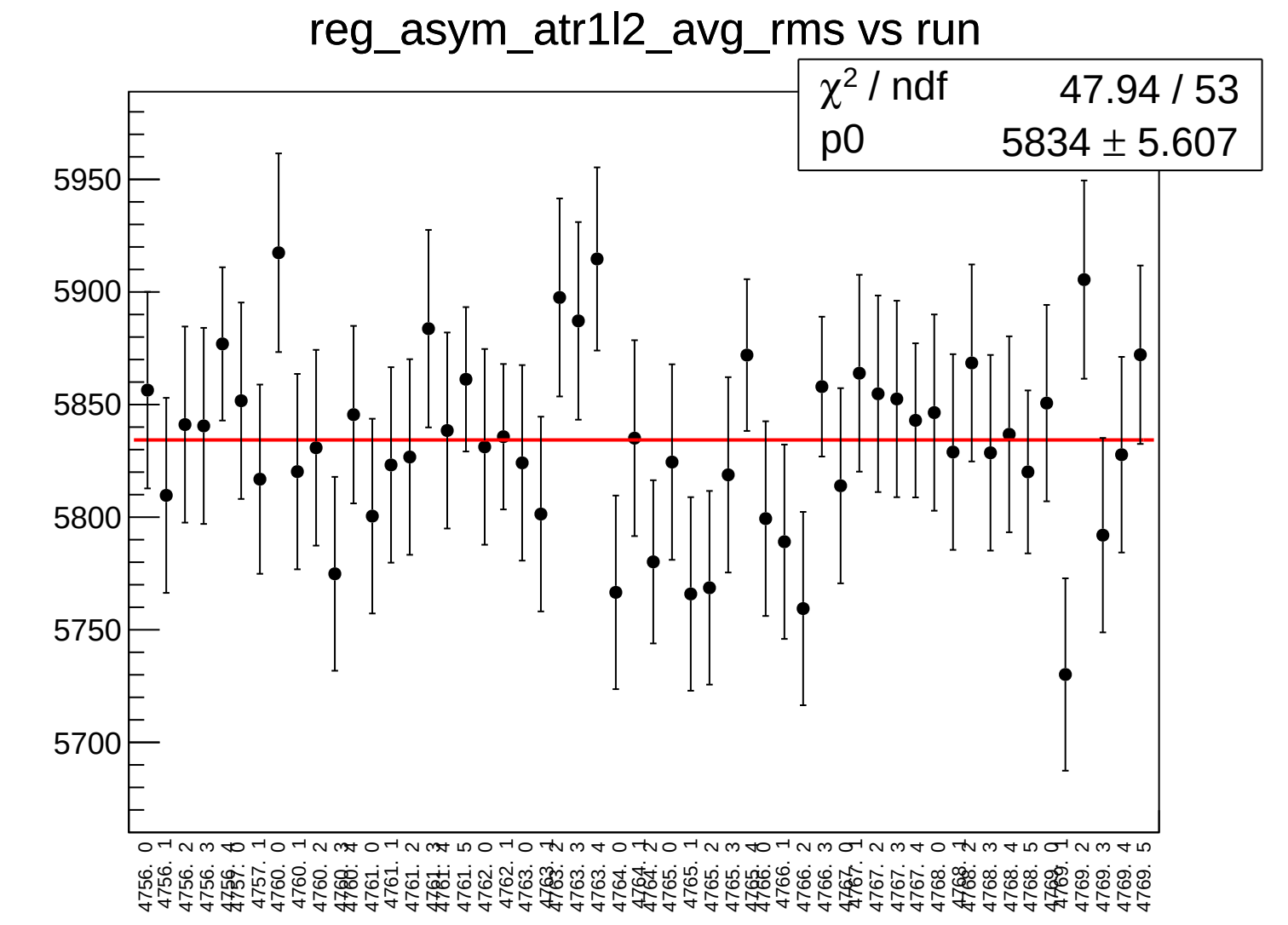

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 63.98 / 53
p0 6163 ± 7692
200
100
0
−100
−200
pull
Entries 54
Mean 36.64
Std Dev 13.29
2
1
0
−1
−2

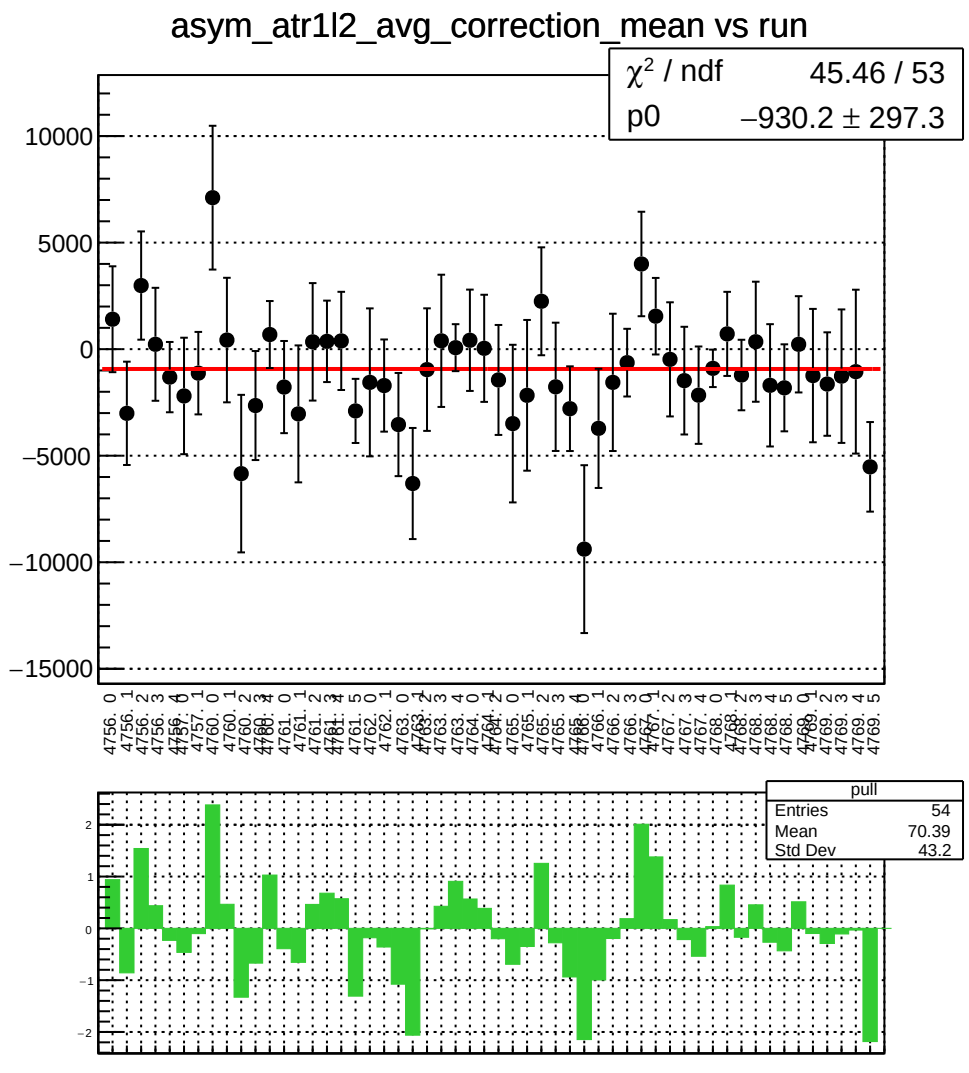

pull1D
Entries 54
Mean 0.01933
Std Dev 1.088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

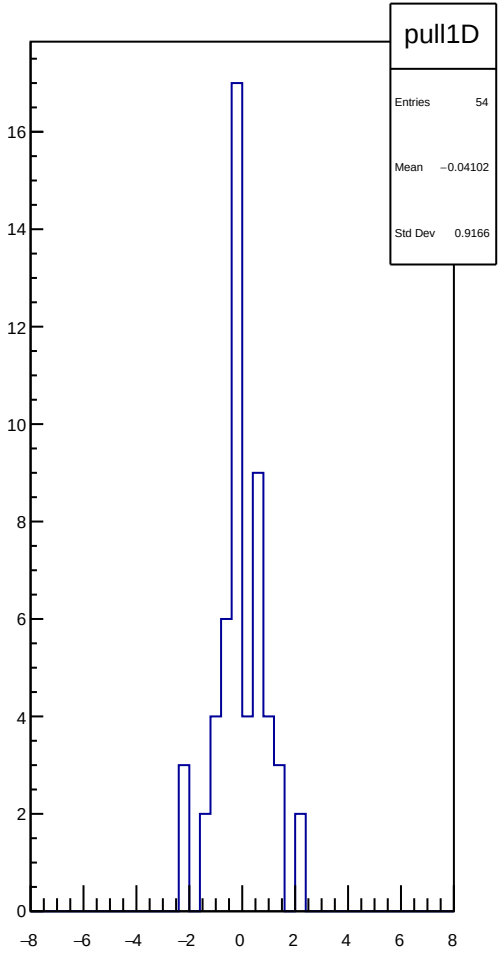

asym_atl1r2_dd_rms vs run
χ^2 / ndf 49.27 / 53
p0 5659 ± 5.439
5800
5750
5700
5650
5600
5550
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

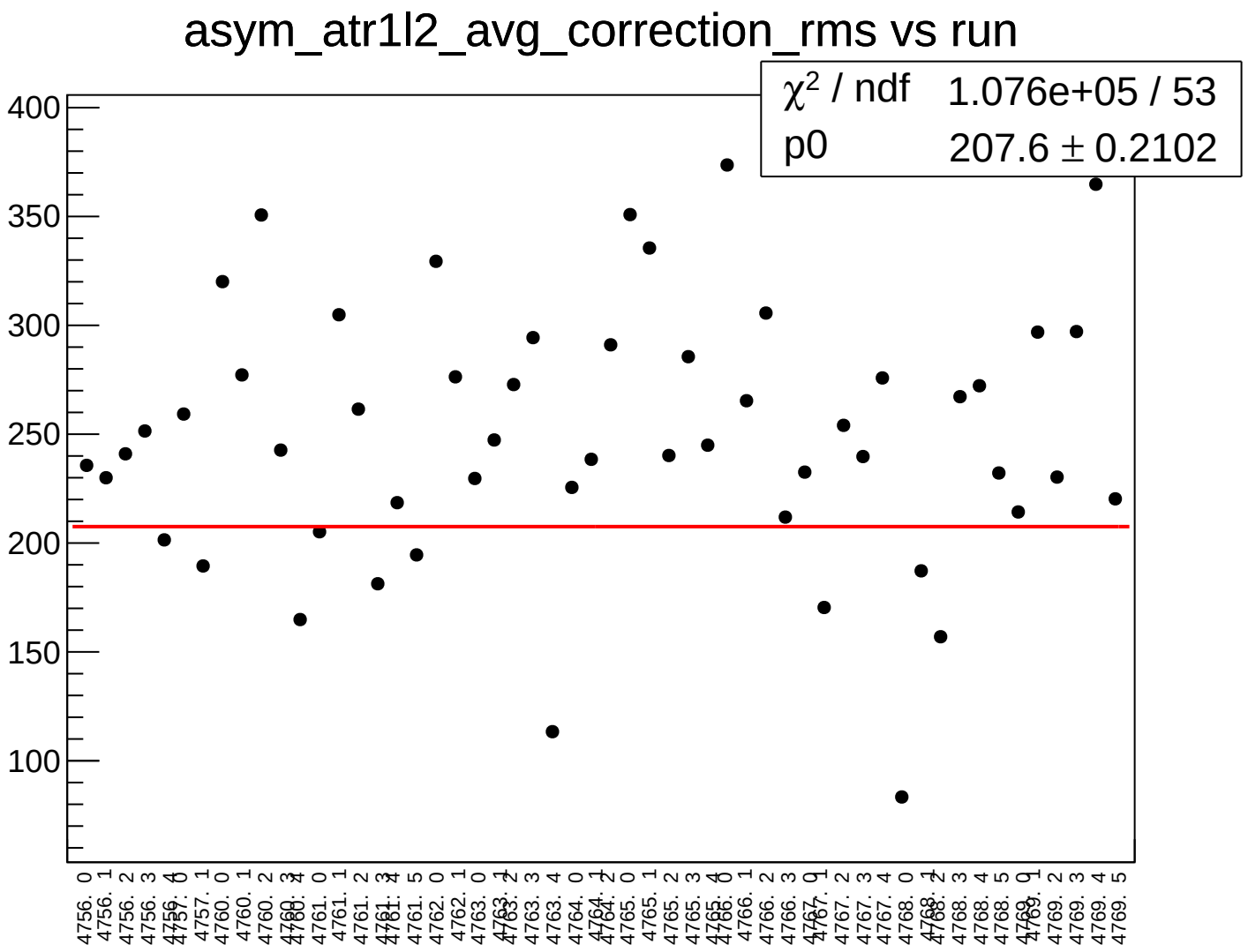

reg_asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 54.36 / 53
p0 1.042e+04 ± 7930
pull
Entries 54
Mean 219.3
Std Dev 189.8

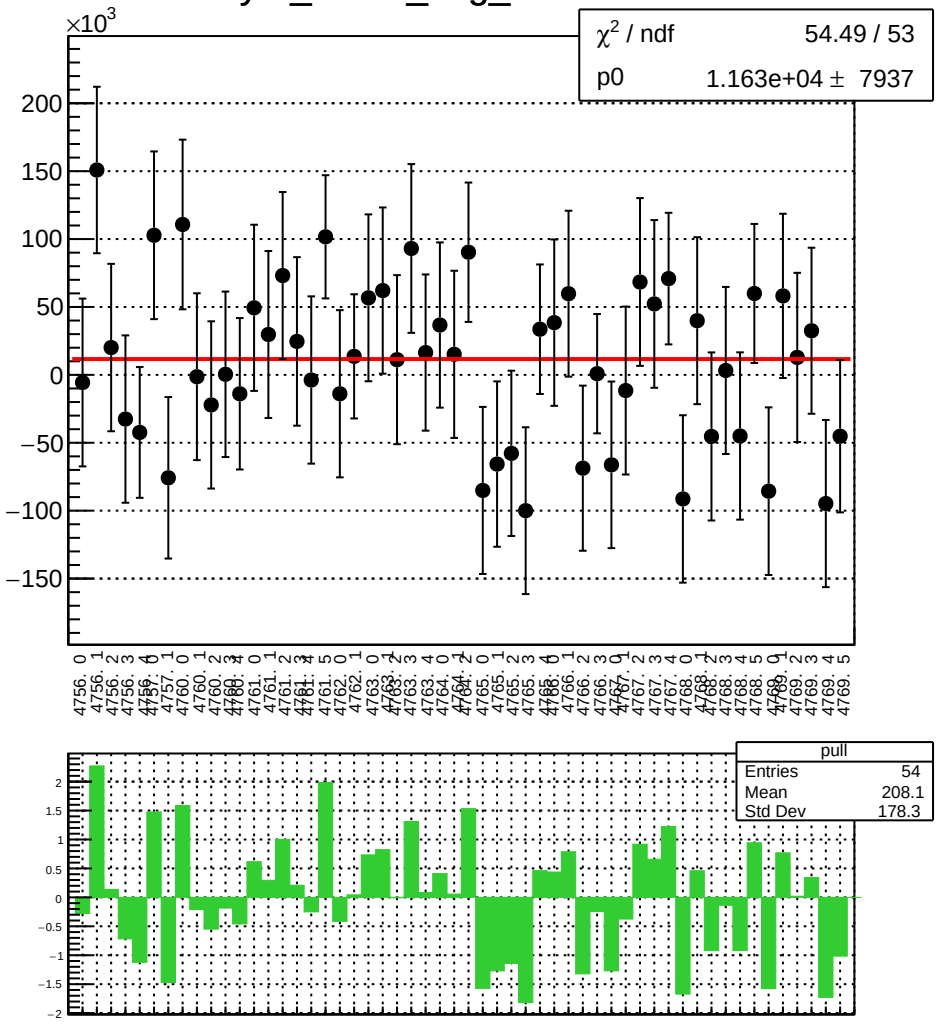

pull1D
Entries 54
Mean −0.01867
Std Dev 1.003

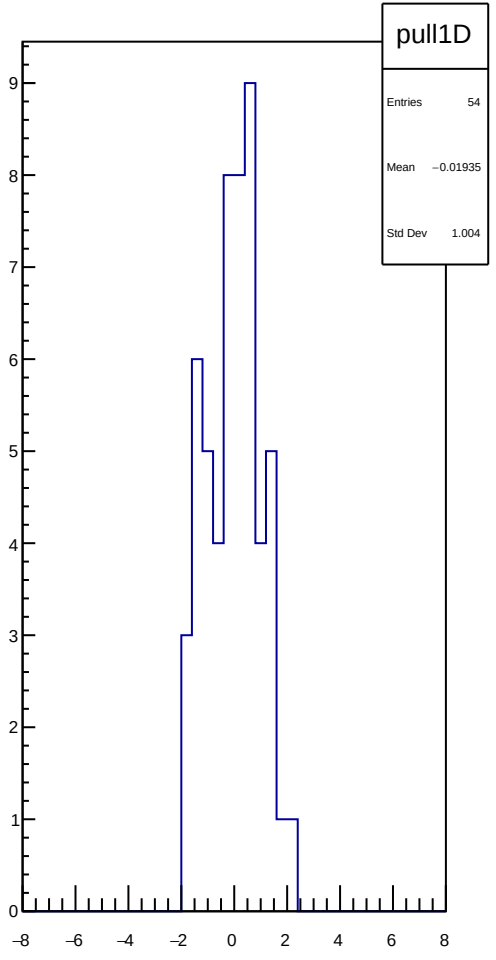

reg_asym_atr1l2_avg_rms vs run
χ^2 / ndf 47.94 / 53
p0 5834 ± 5.607
5950
5900
5850
5800
5750
5700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

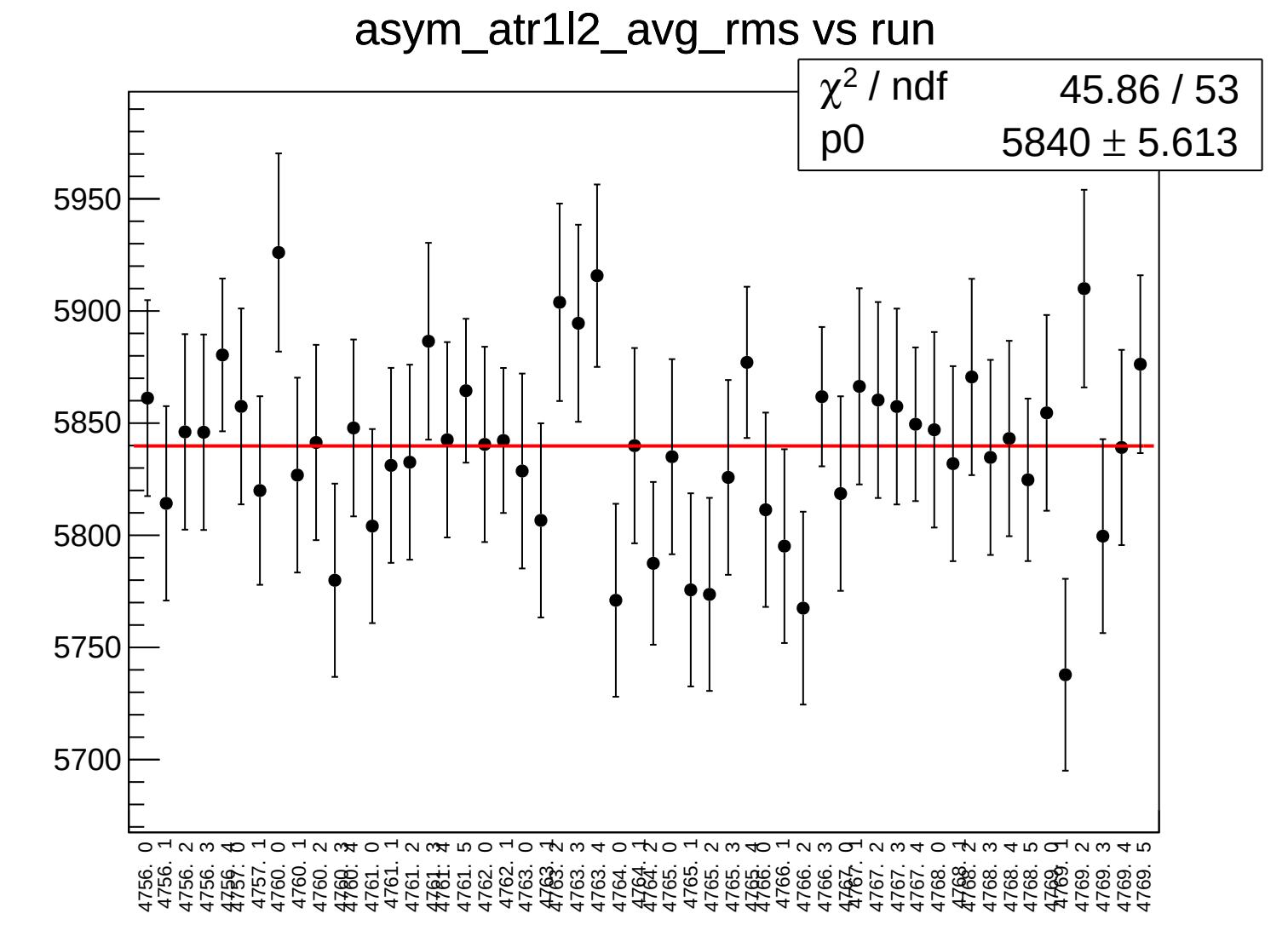

asym_atr1l2_avg_correction_mean vs run
χ² / ndf 45.46 / 53
p0 −930.2 ± 297.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 70.39
Std Dev 43.2
2
1
0
−1
−2

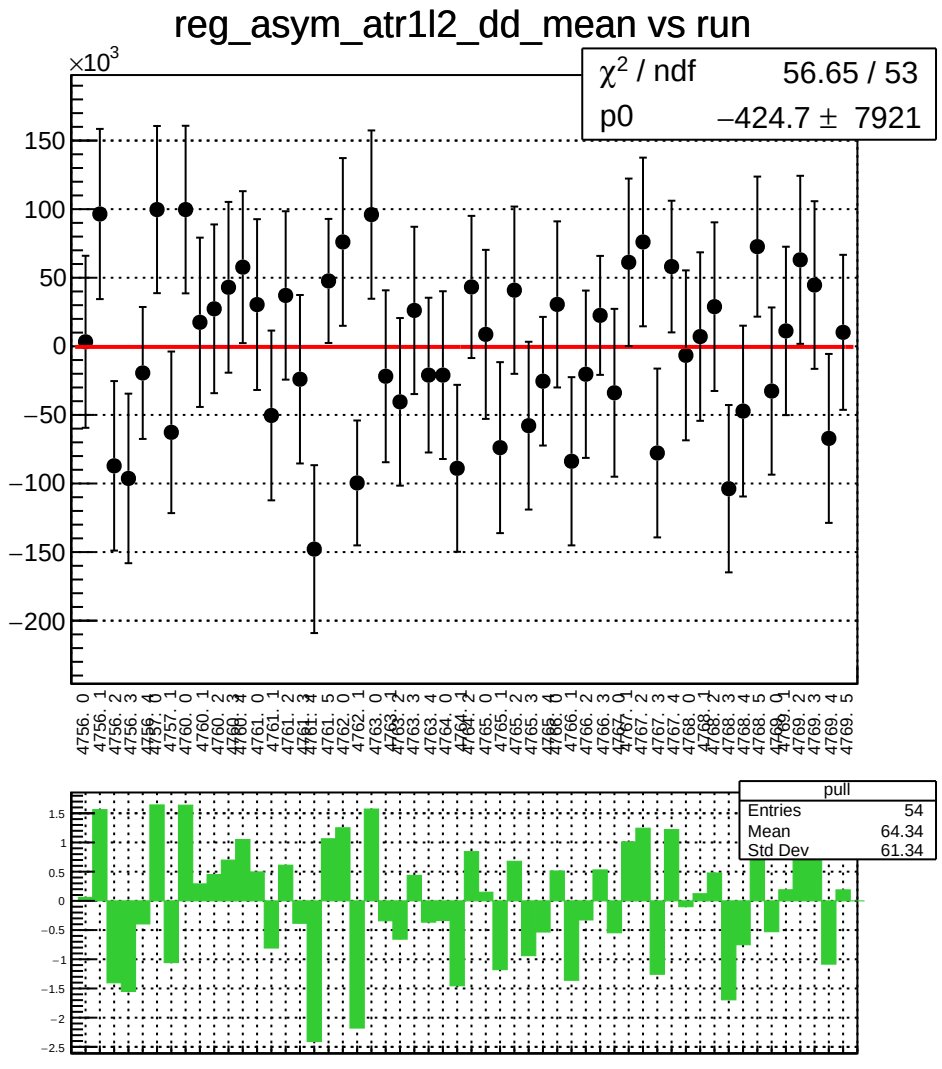

pull1D
Entries 54
Mean −0.04102
Std Dev 0.9166
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

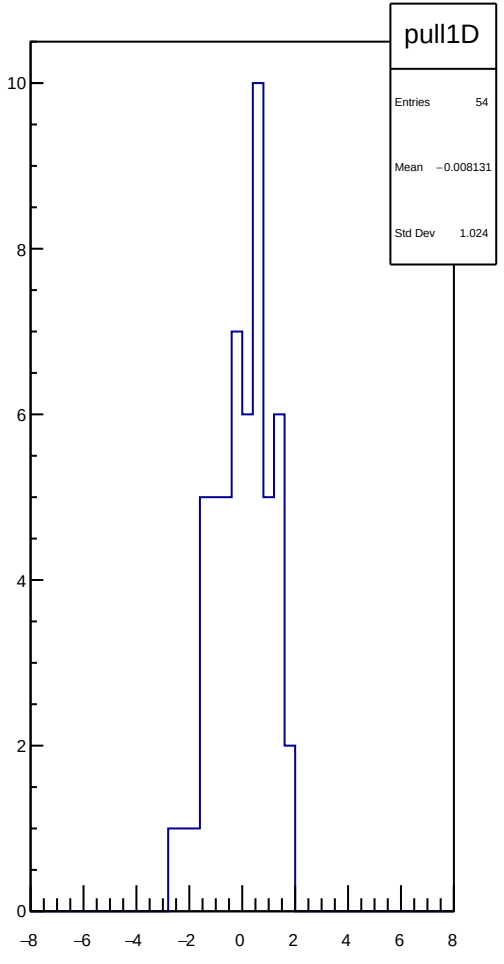

asym_atr1l2_avg_correction_rms vs run
χ² / ndf 1.076e+05 / 53
p0 207.6 ± 0.2102
400
350
300
250
200
150
100
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

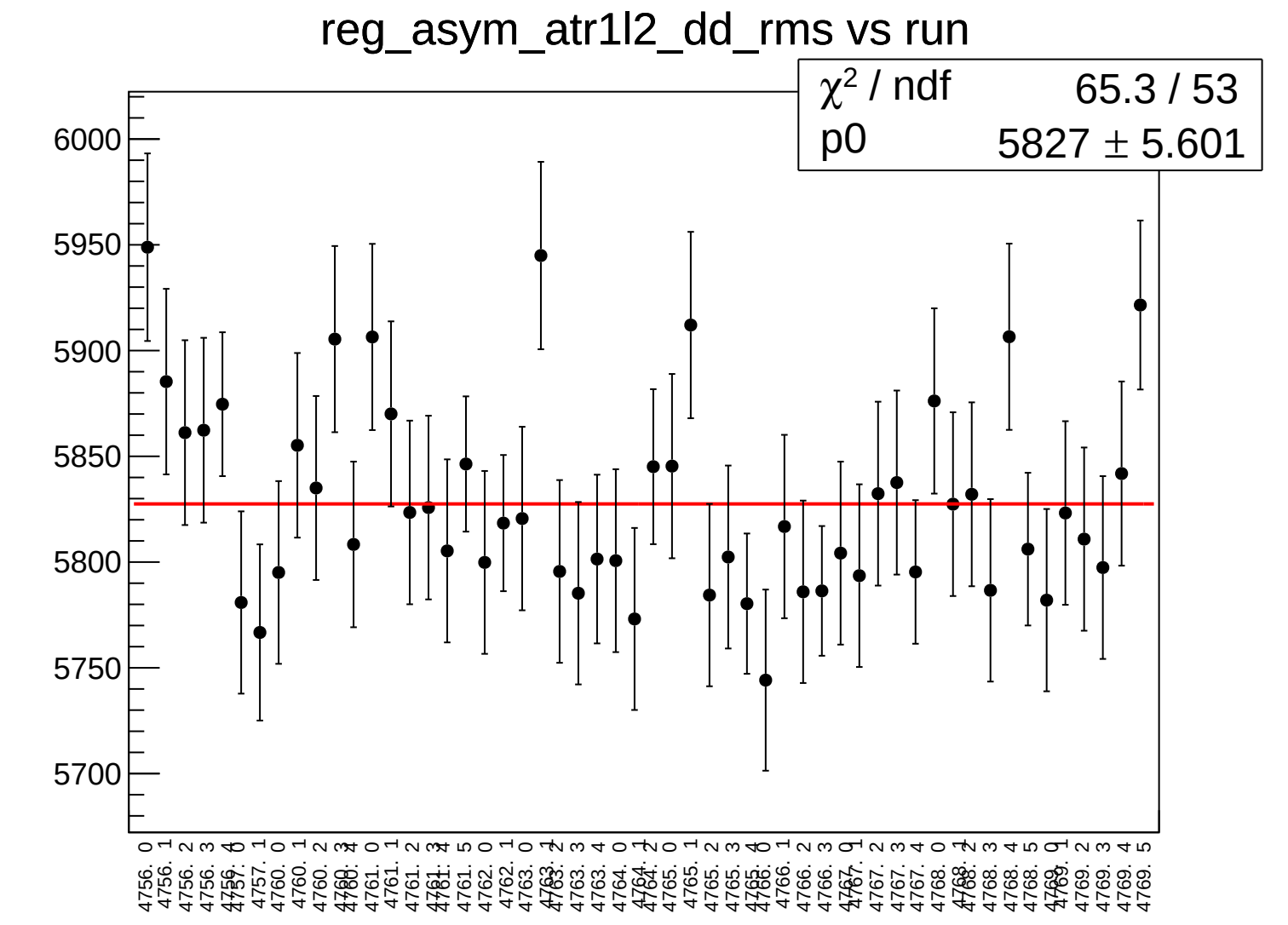

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 54.49 / 53
p0 1.163e+04 ± 7937
pull
Entries 54
Mean 208.1
Std Dev 178.3

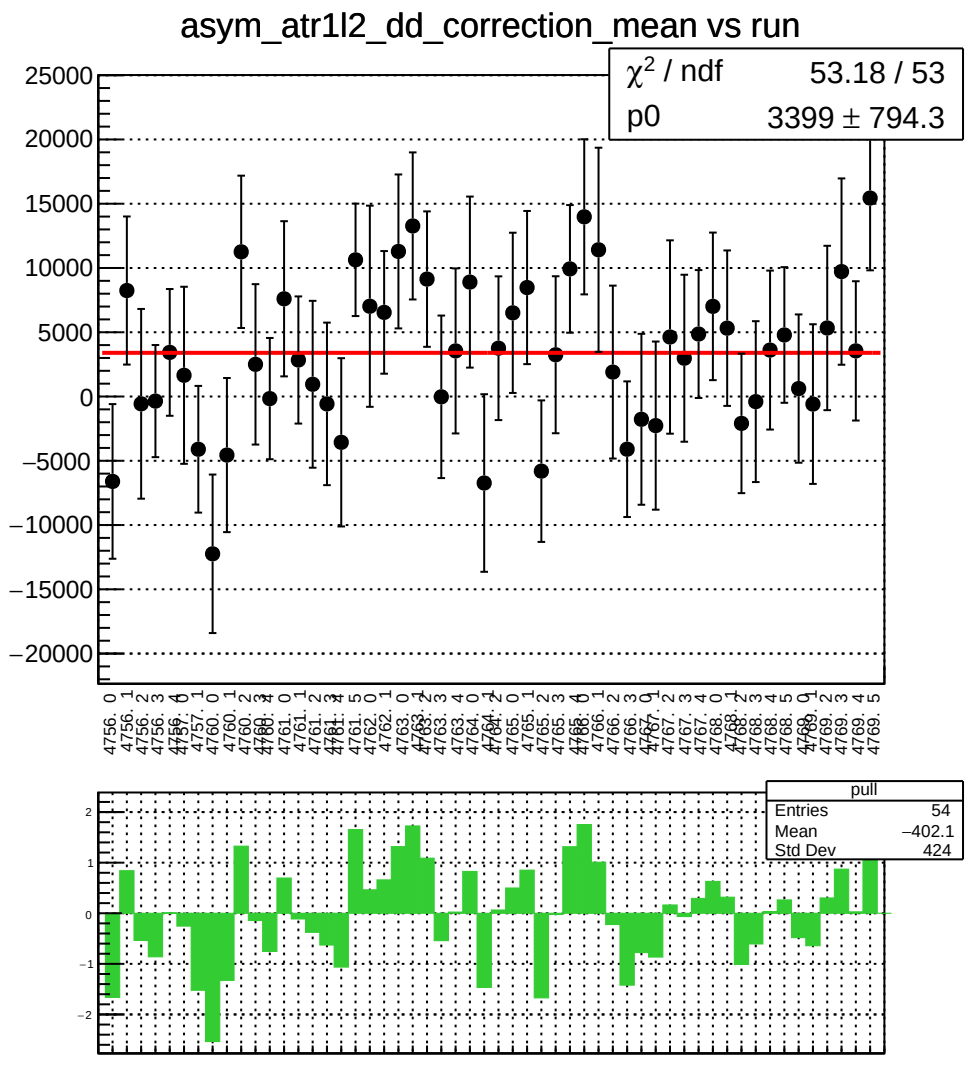

pull1D
Entries 54
Mean −0.01935
Std Dev 1.004

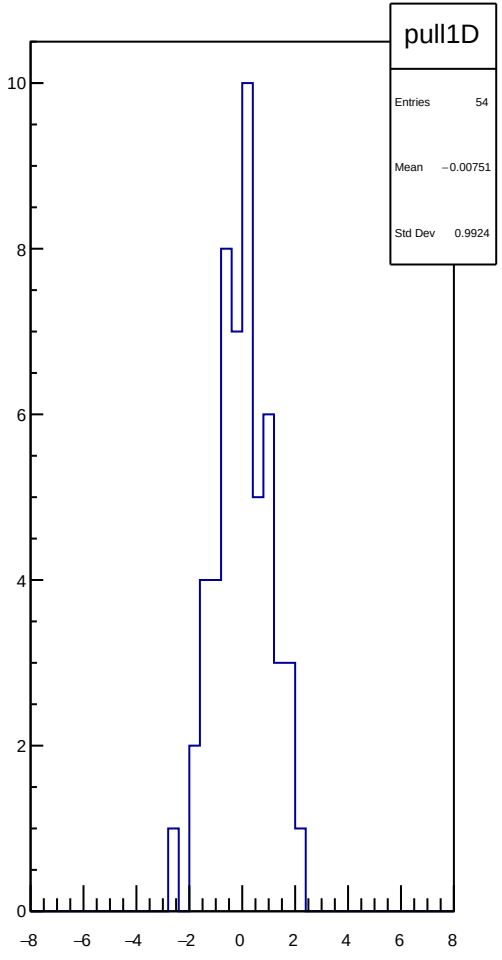

asym_atr1l2_avg_rms vs run
χ^2 / ndf 45.86 / 53
p0 5840 ± 5.613
5950
5900
5850
5800
5750
5700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

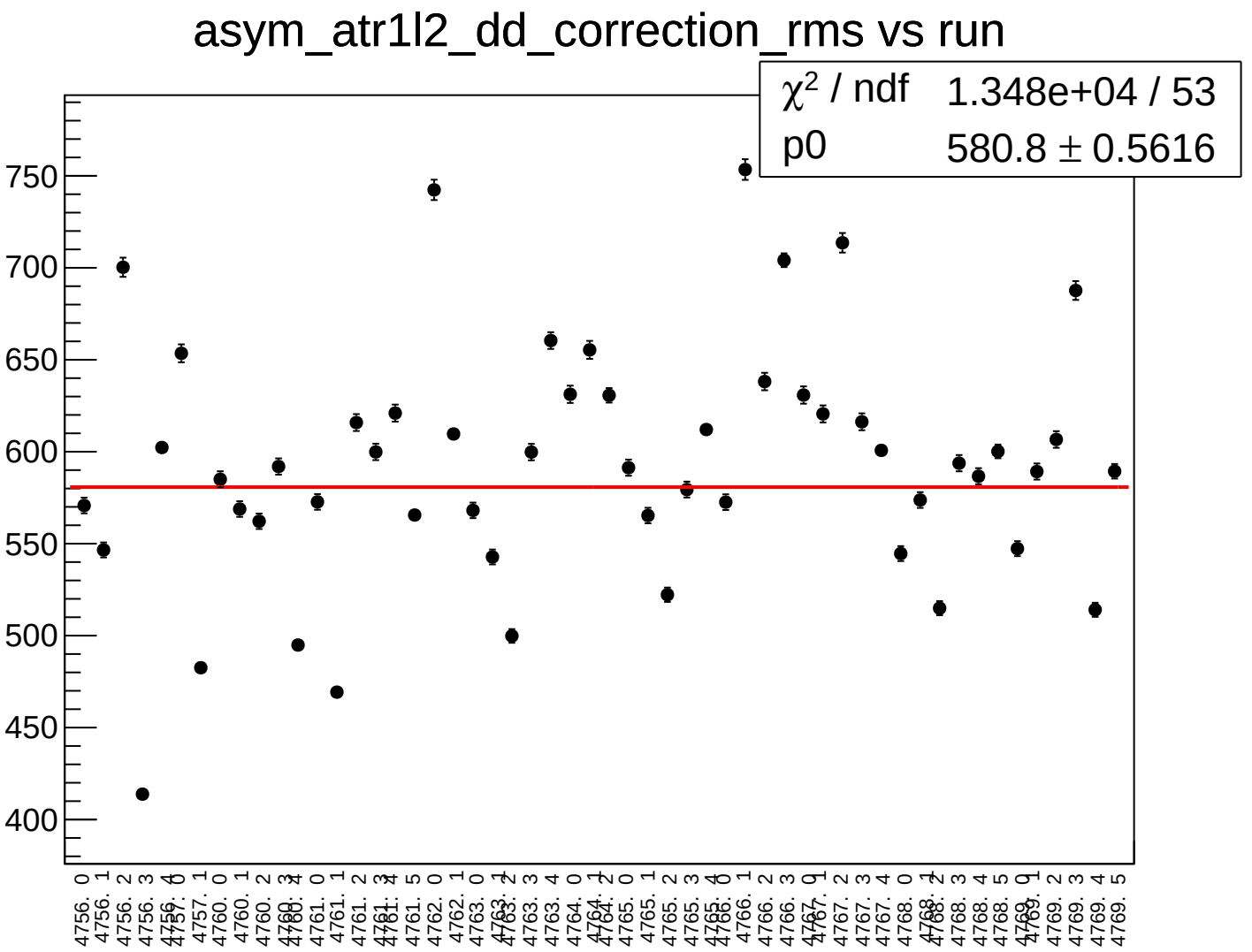

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 56.65 / 53
p0 −424.7 ± 7921
×10³
pull
Entries 54
Mean 64.34
Std Dev 61.34

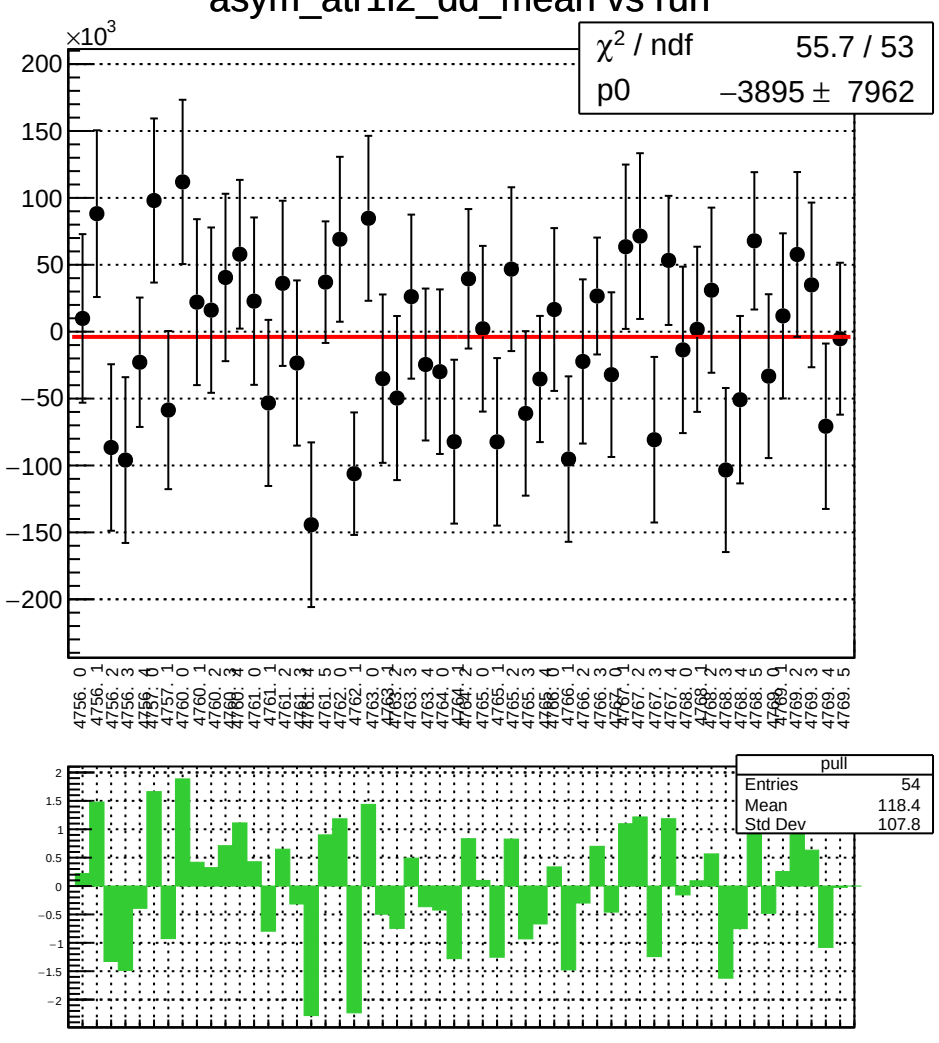

pull1D
Entries 54
Mean −0.008131
Std Dev 1.024

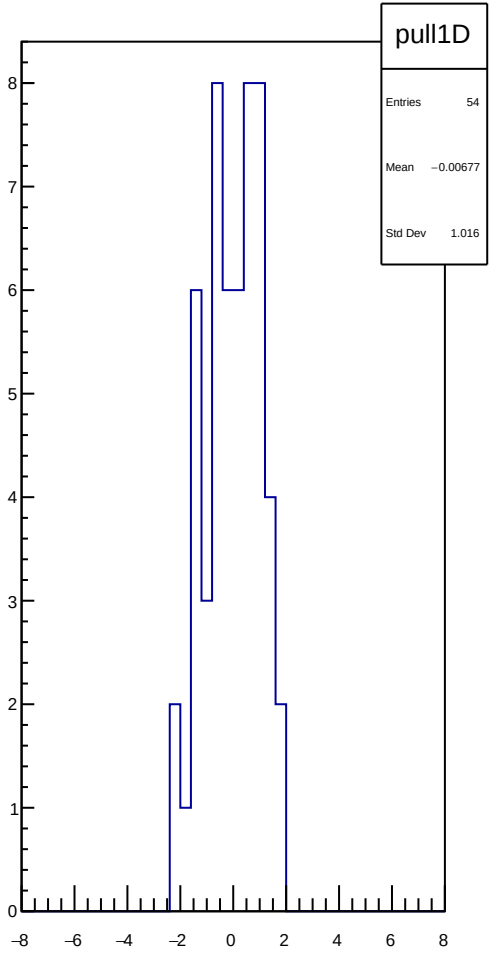

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 65.3 / 53
p0 5827 ± 5.601
6000
5950
5900
5850
5800
5750
5700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

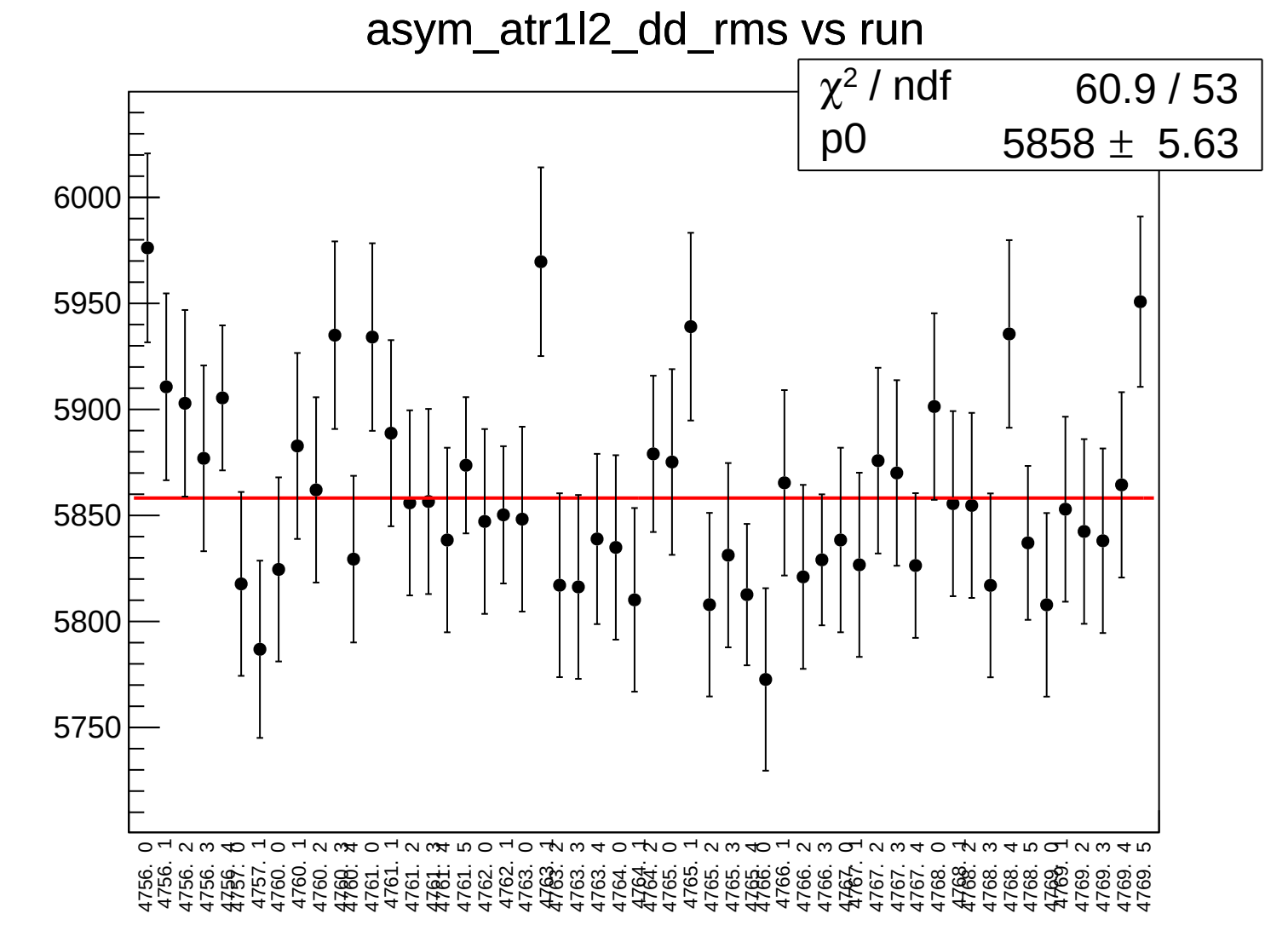

asym_atr1l2_dd_correction_mean vs run
χ² / ndf 53.18 / 53
p0 3399 ± 794.3
pull
Entries 54
Mean −402.1
Std Dev 424

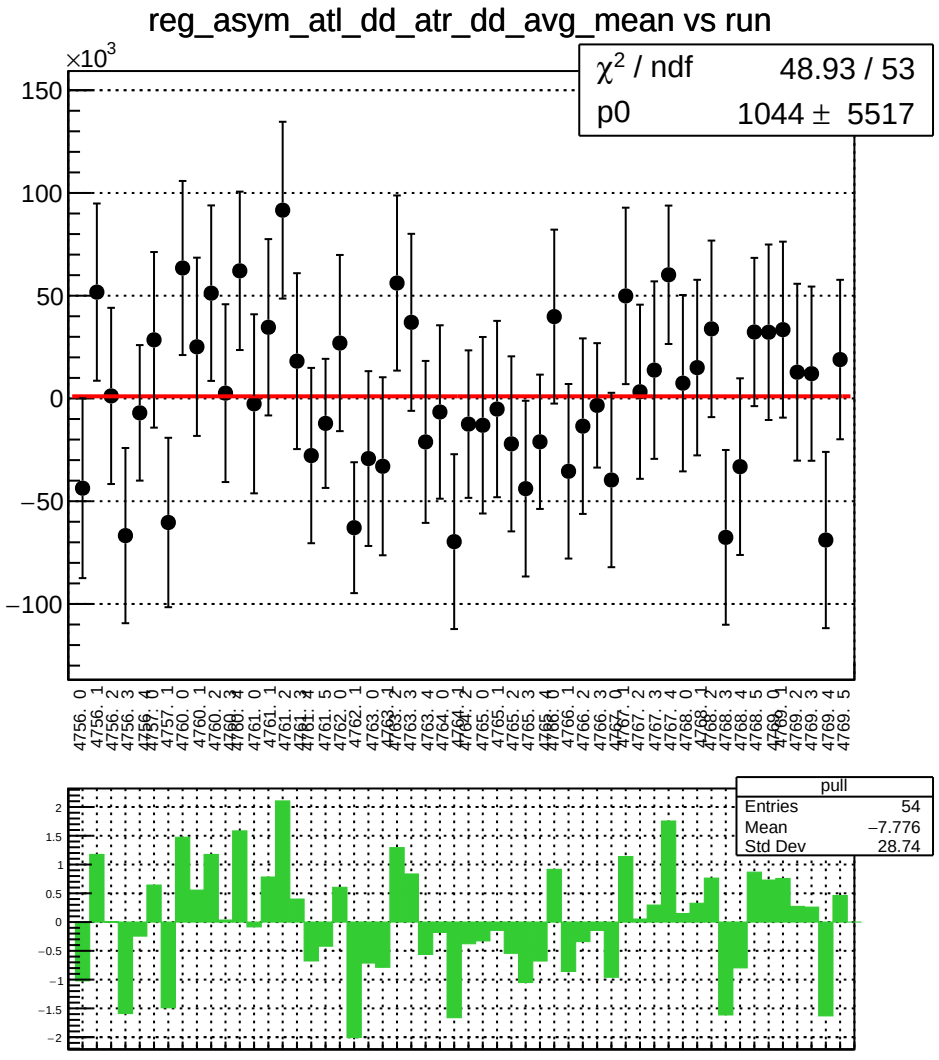

pull1D
Entries 54
Mean −0.00751
Std Dev 0.9924

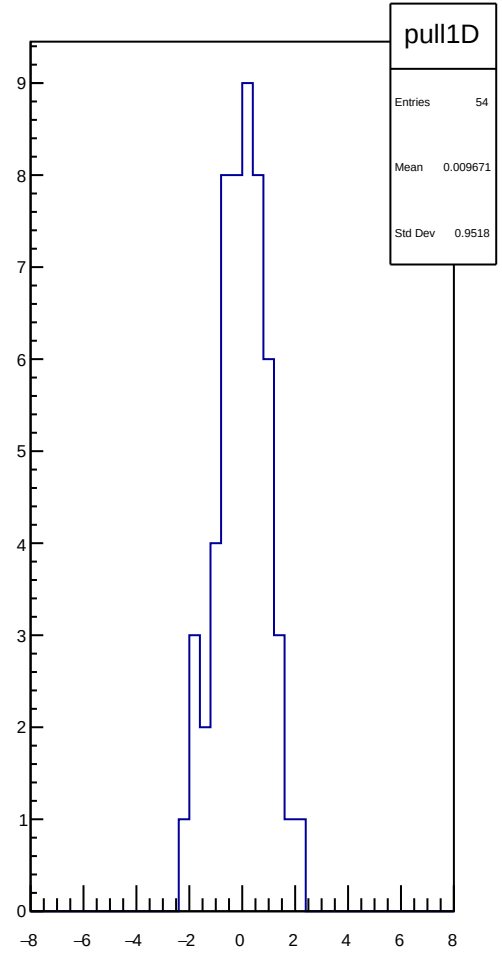

asym_atr1l2_dd_correction_rms vs run
χ² / ndf 1.348e+04 / 53
p0 580.8 ± 0.5616
750
700
650
600
550
500
450
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

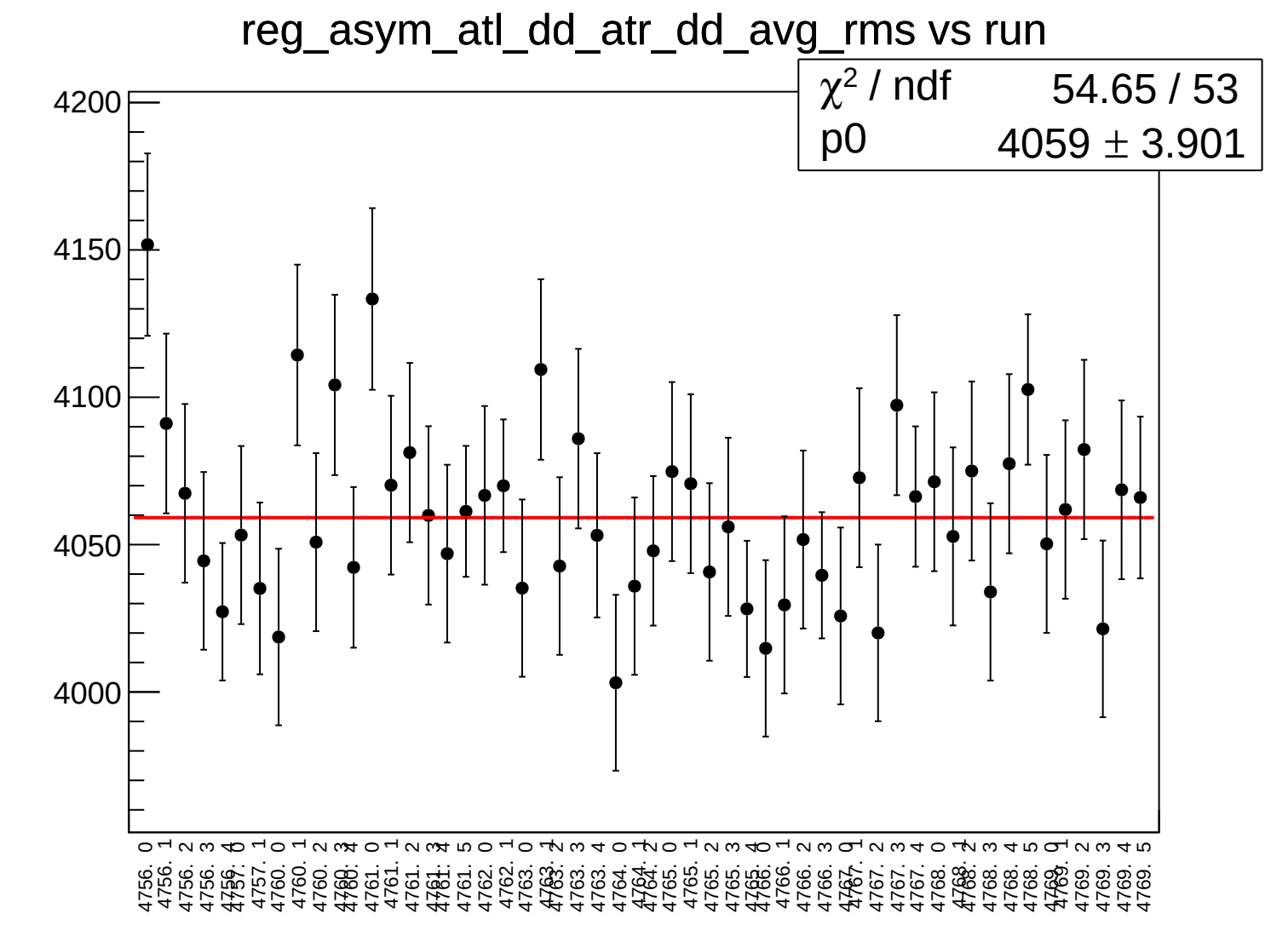

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 55.7 / 53
p0 −3895 ± 7962
pull
Entries 54
Mean 118.4
Std Dev 107.8

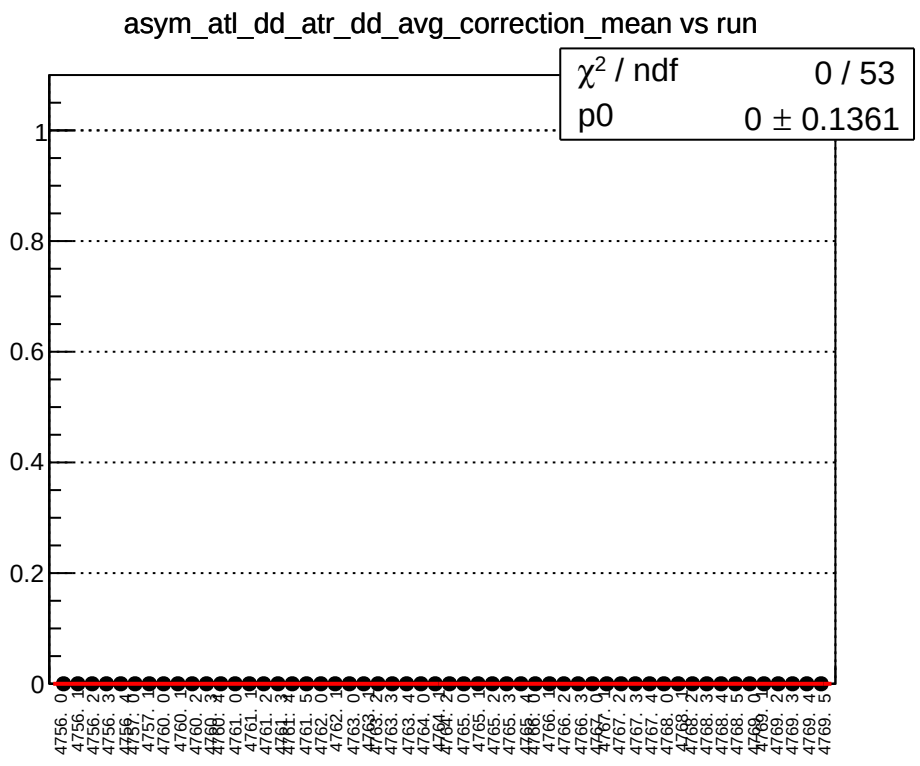

pull1D
Entries 54
Mean −0.00677
Std Dev 1.016

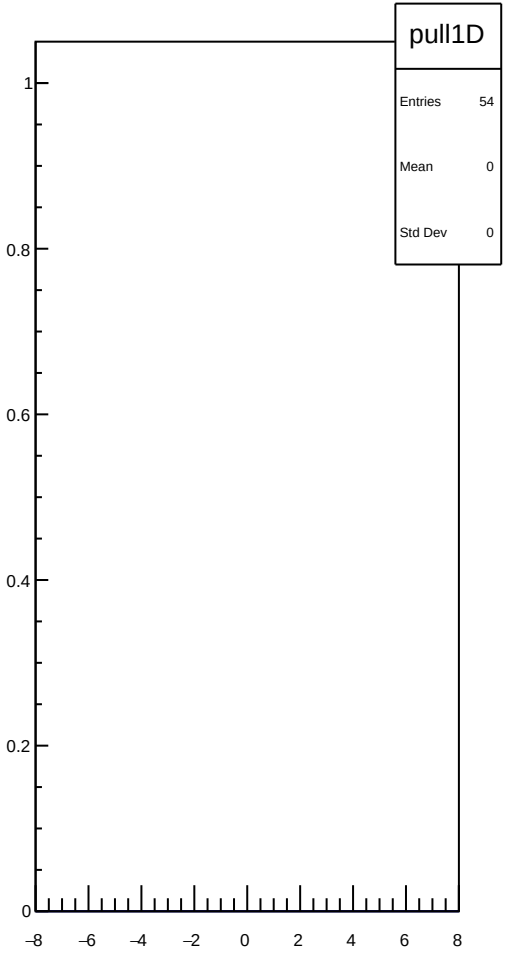

asym_atr1l2_dd_rms vs run
χ² / ndf 60.9 / 53
p0 5858 ± 5.63
6000
5950
5900
5850
5800
5750
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

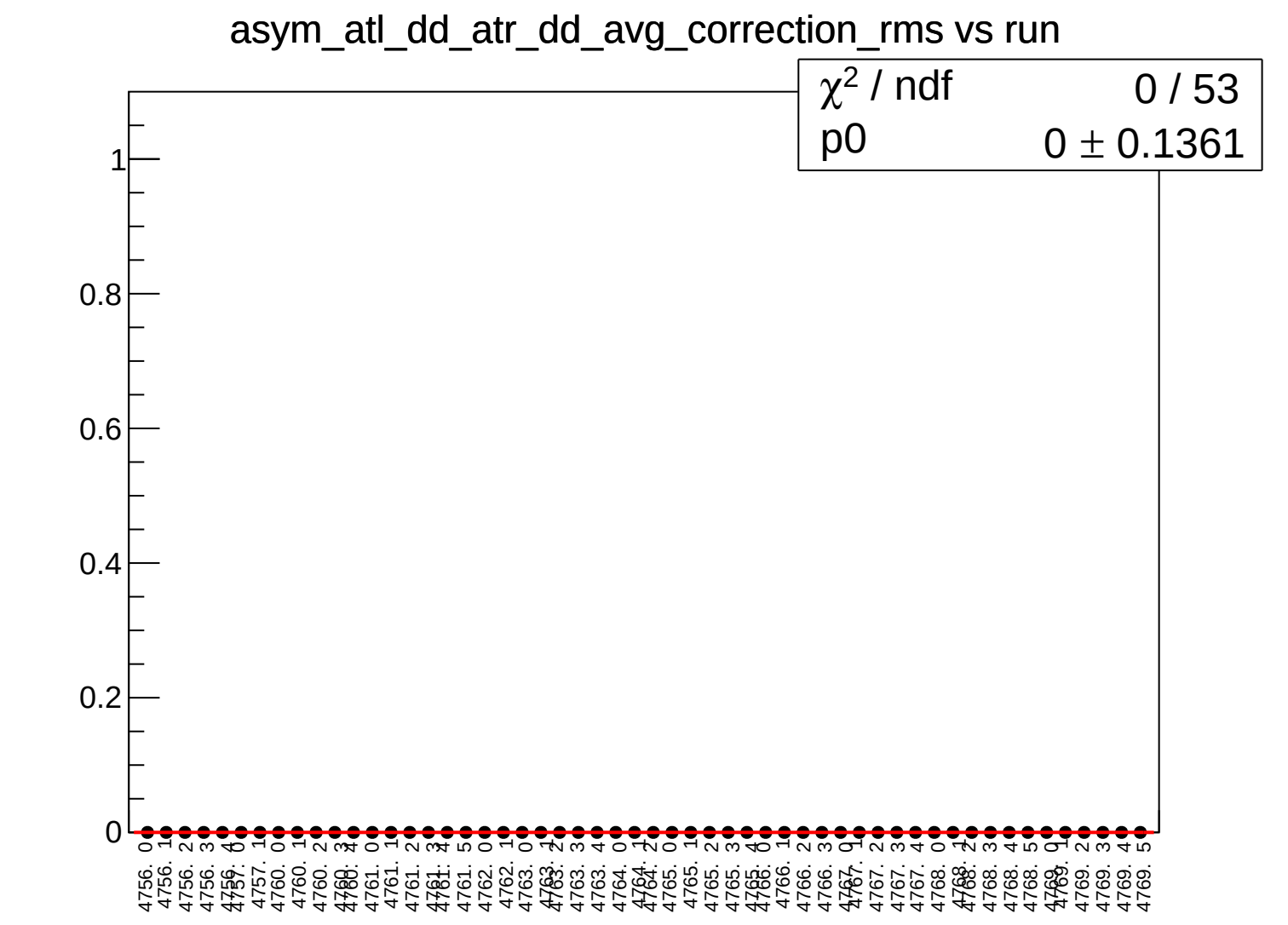

reg_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 48.93 / 53
p0 1044 ± 5517
150
100
50
0
−50
−100
pull
Entries 54
Mean −7.776
Std Dev 28.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

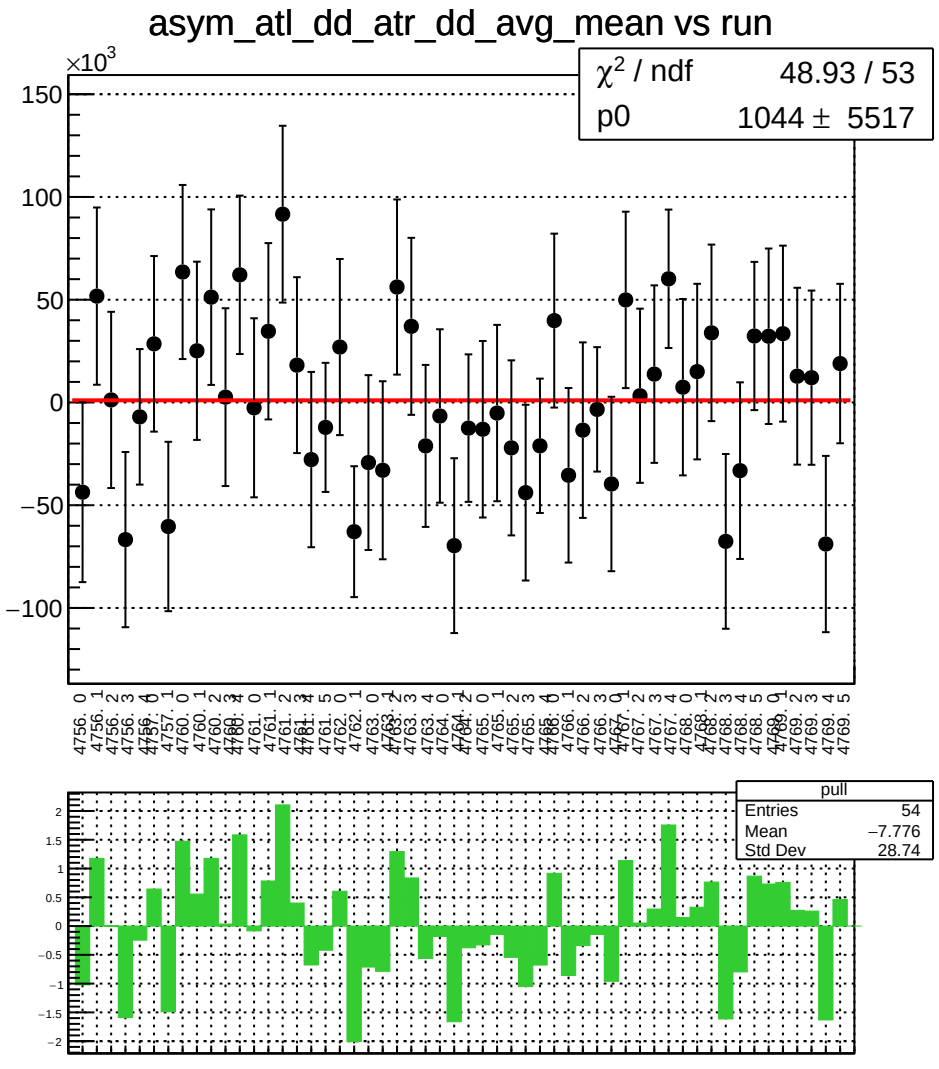

pull1D
Entries 54
Mean 0.009671
Std Dev 0.9518
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

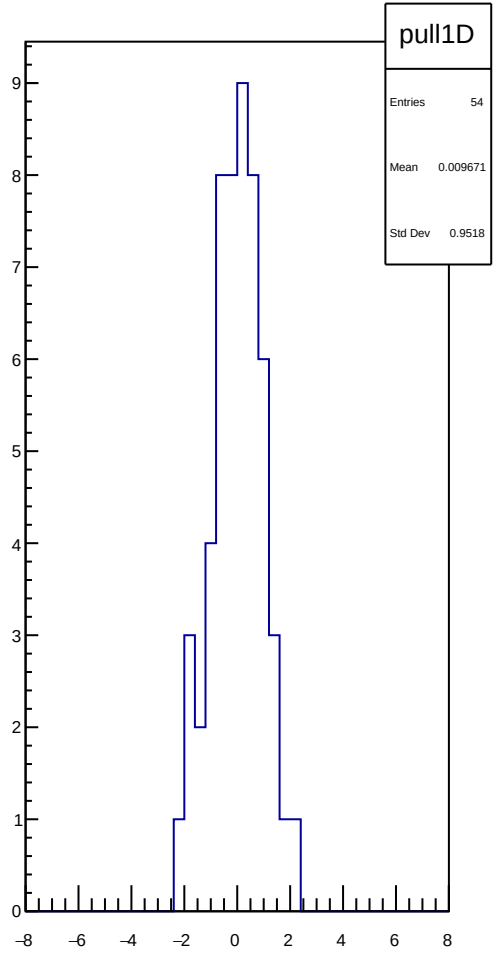

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 54.65 / 53
p0 4059 ± 3.901
4200
4150
4100
4050
4000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

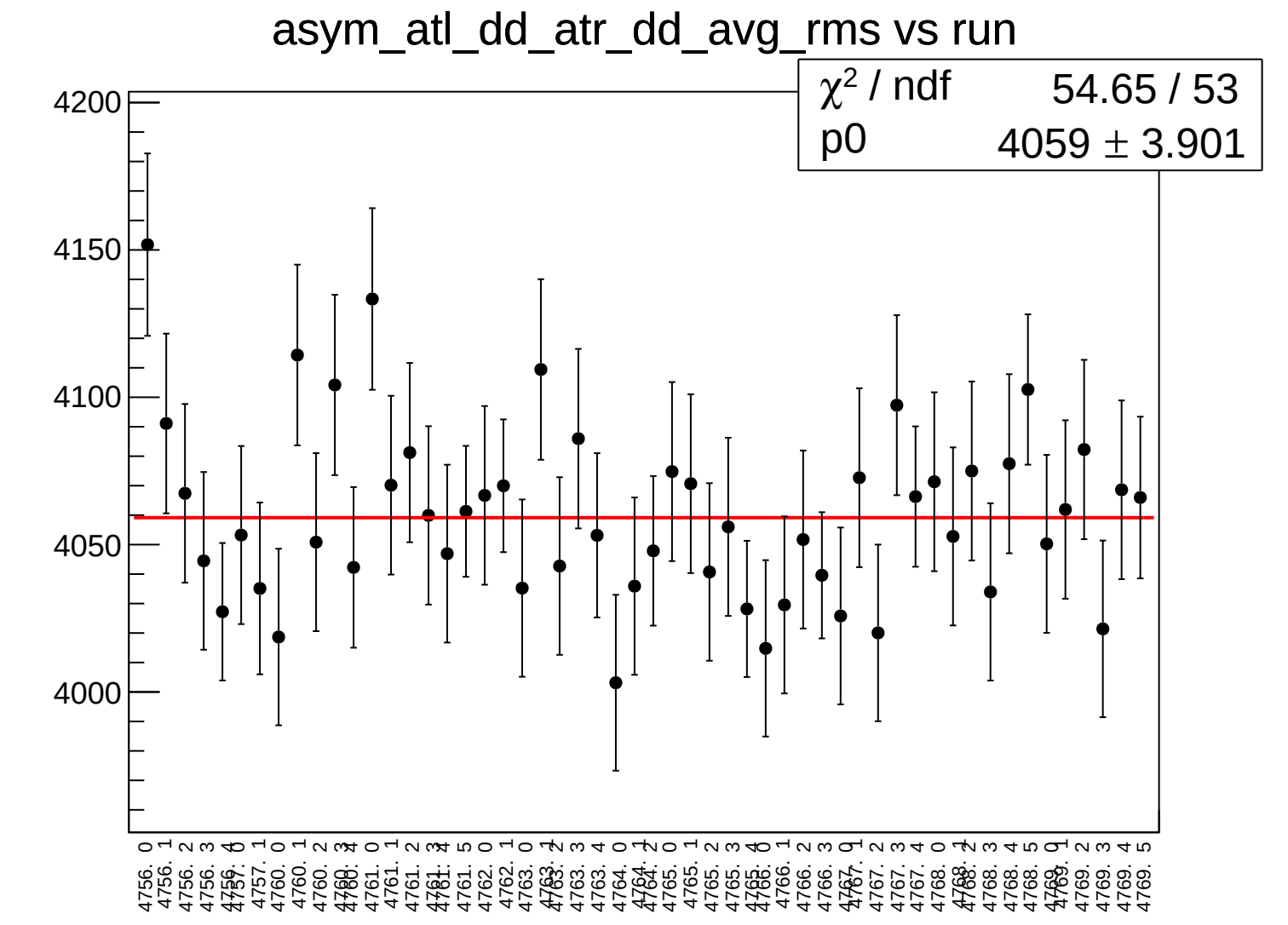

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0

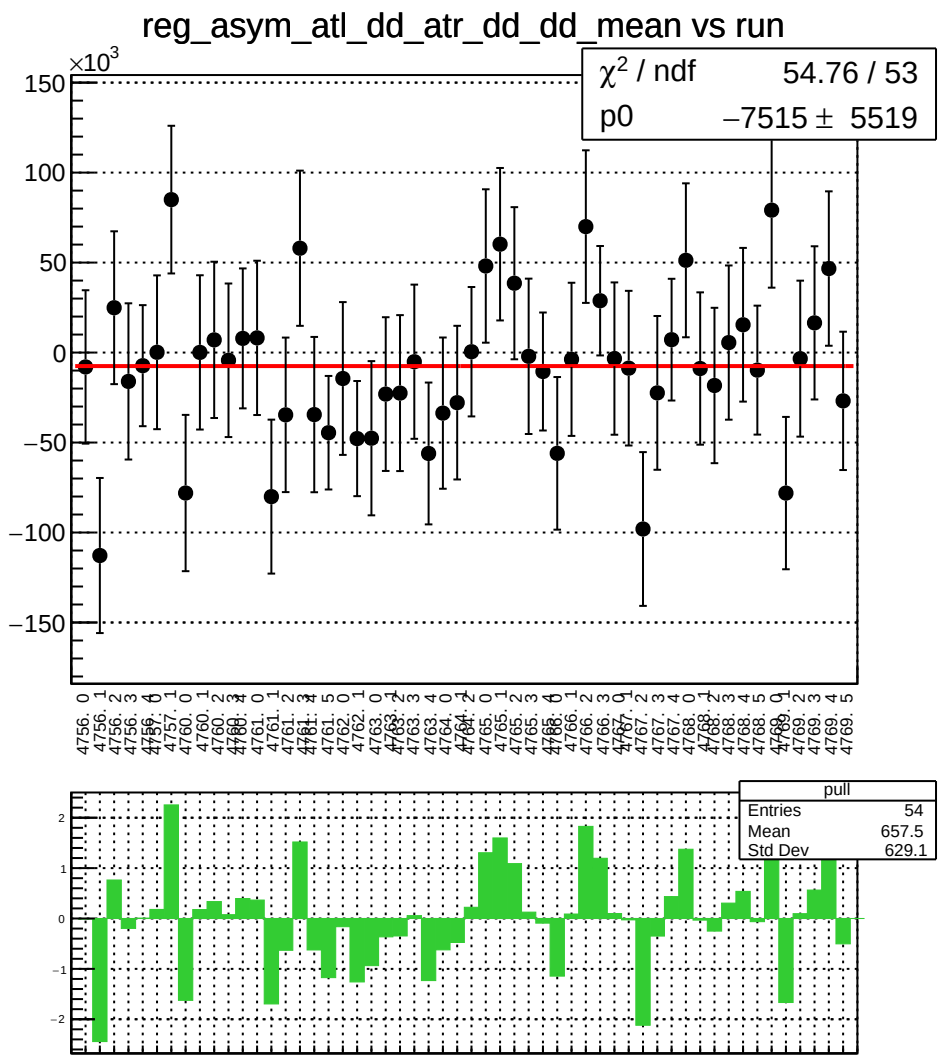

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

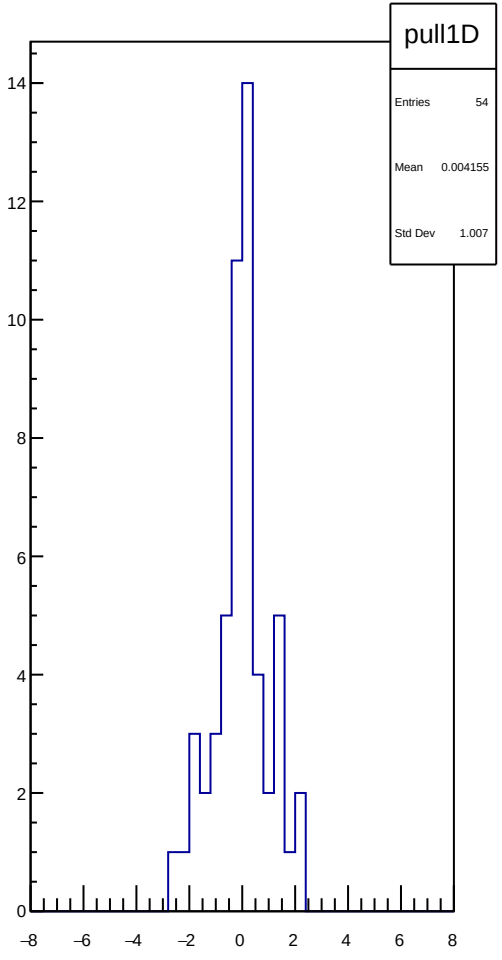

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

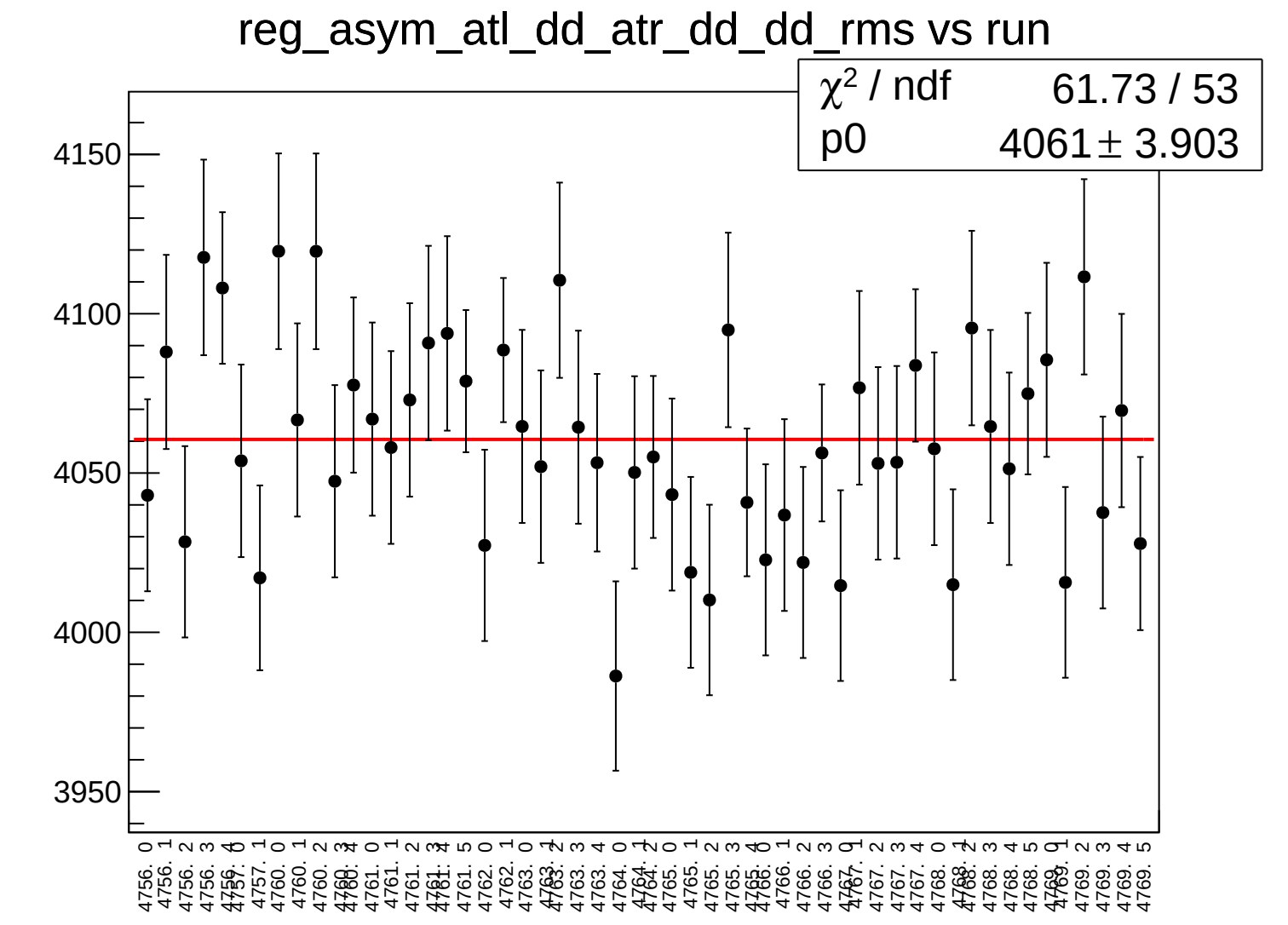

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 48.93 / 53
p0 1044 ± 5517
150
100
50
0
−50
−100
pull
Entries 54
Mean −7.776
Std Dev 28.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.009671
Std Dev 0.9518
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 54.65 / 53
p0 4059 ± 3.901
4200
4150
4100
4050
4000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 54.76 / 53
p0 −7515 ± 5519
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean 657.5
Std Dev 629.1
2
1
0
−1
−2


pull1D
Entries 54
Mean 0.004155
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 61.73 / 53
p0 4061 ± 3.903
4150
4100
4050
4000
3950
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
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4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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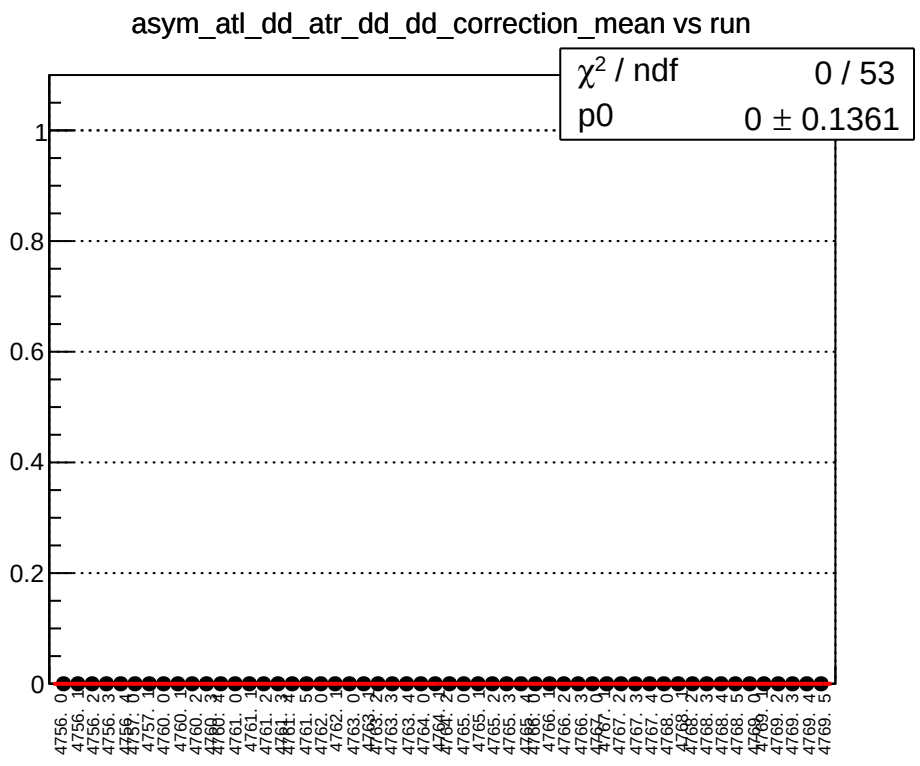
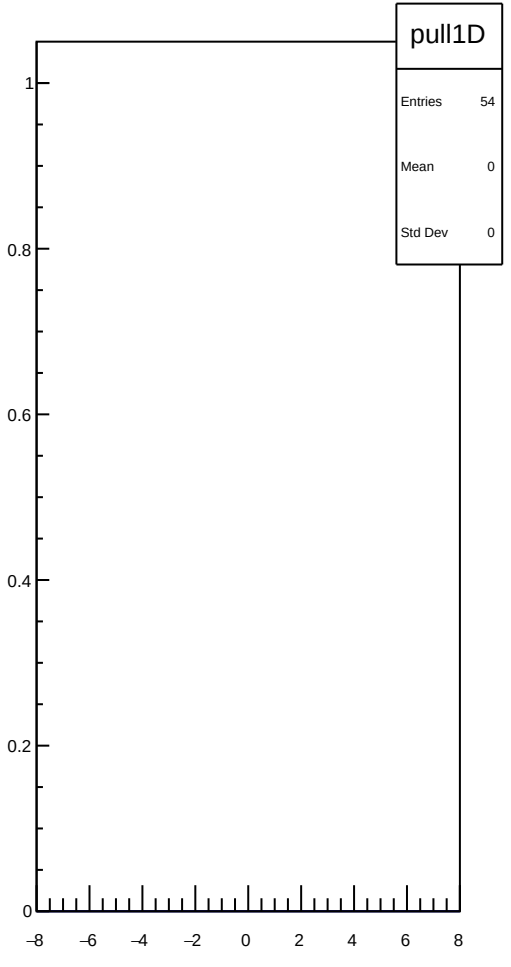
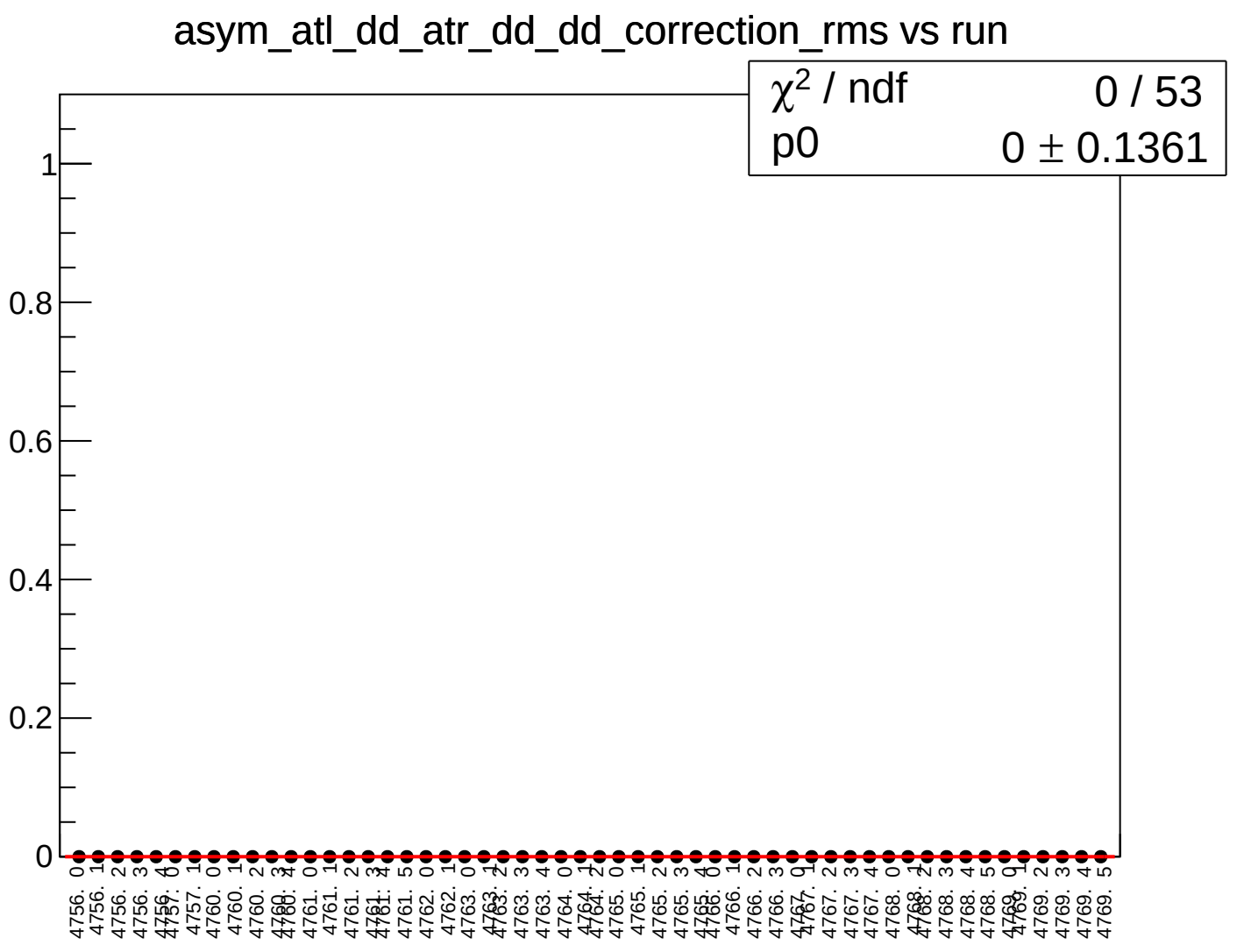
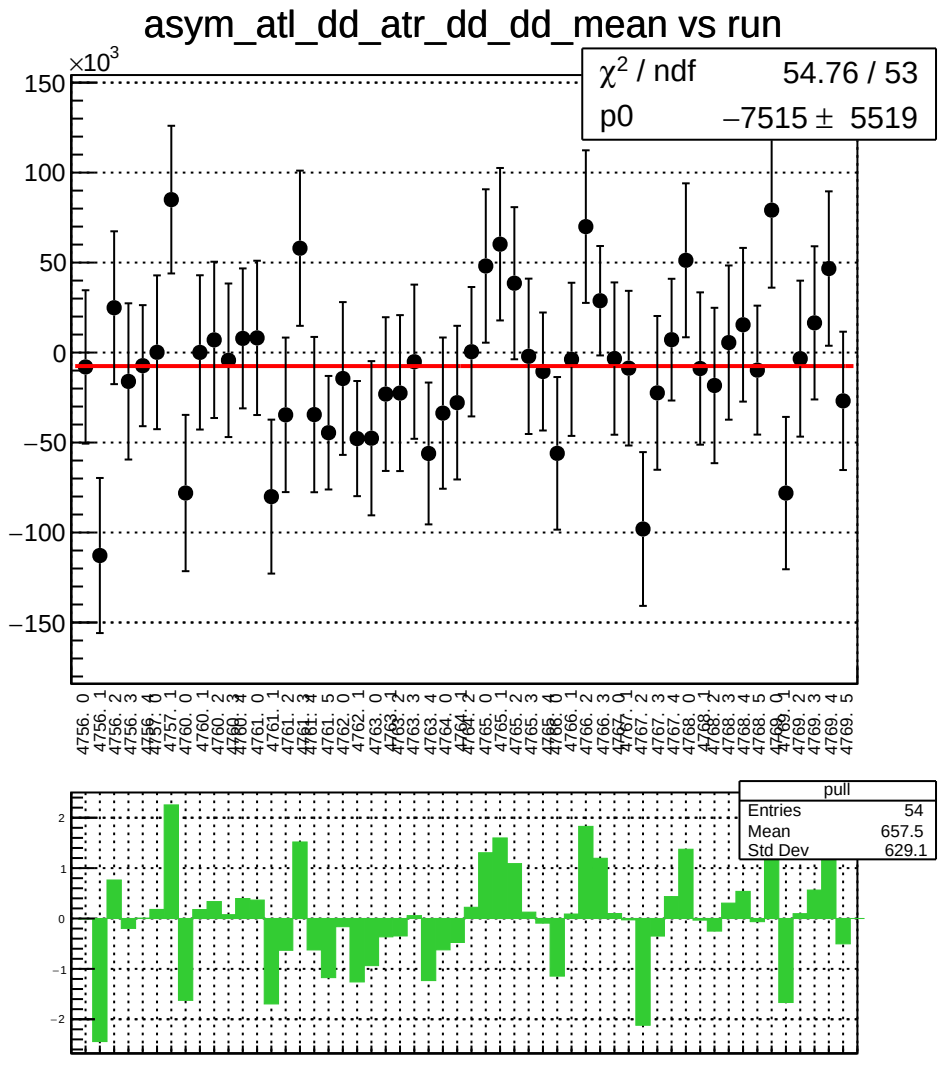
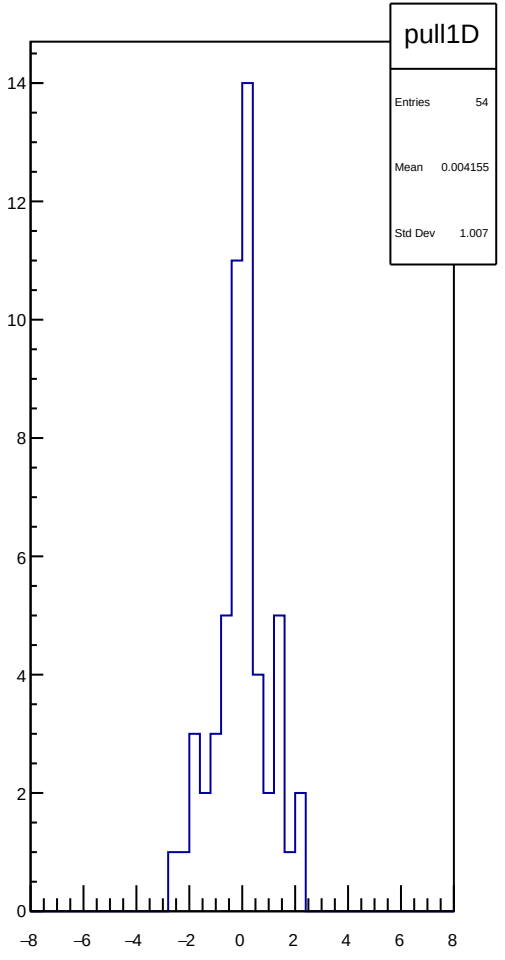
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

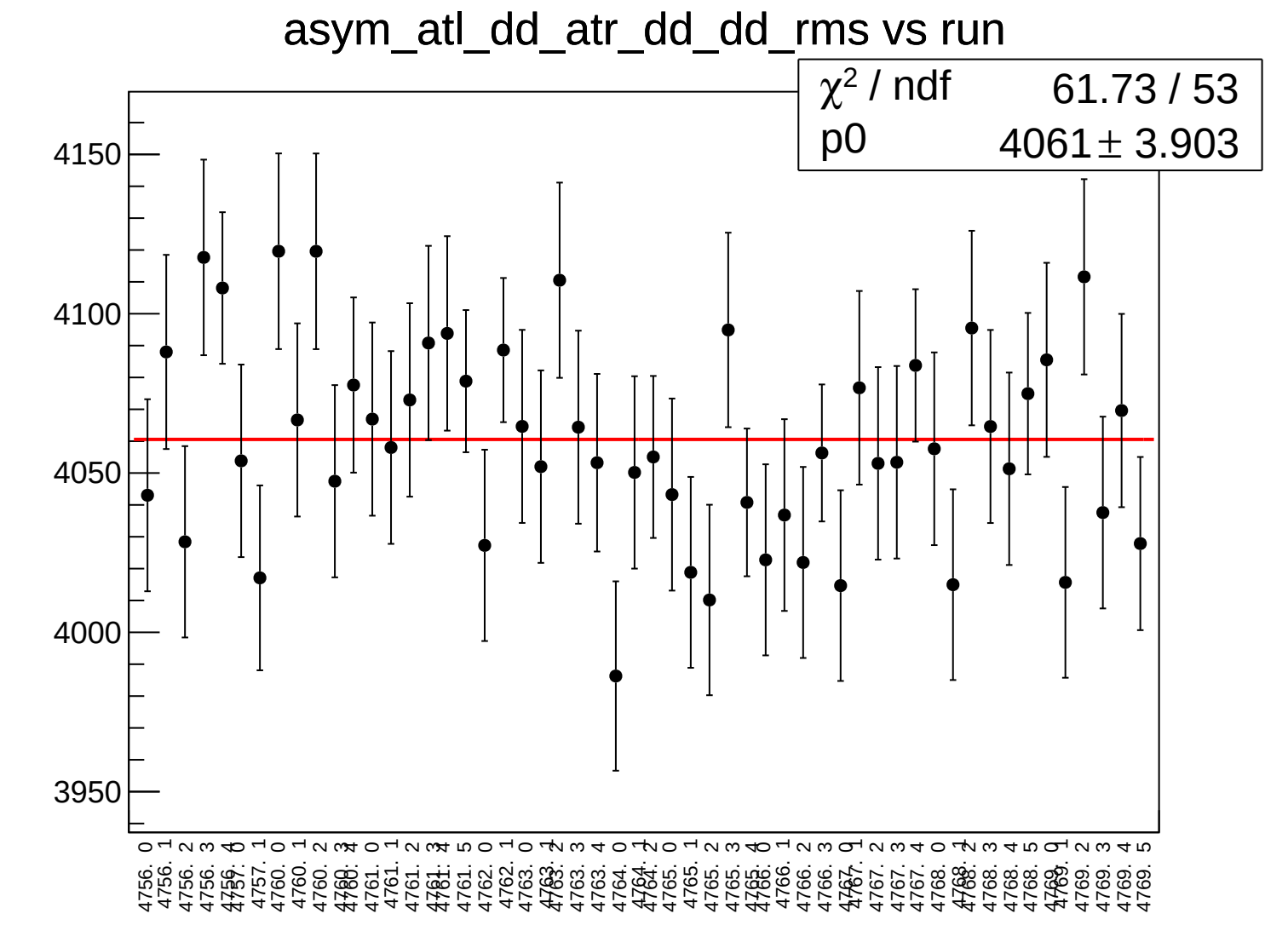

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 0 / 53
p0 0 ± 0.1361
1
0.8
0.6
0.4
0.2
0
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 54.76 / 53
p0 −7515 ± 5519
pull
Entries 54
Mean 657.5
Std Dev 629.1


pull1D
Entries 54
Mean 0.004155
Std Dev 1.007


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 61.73 / 53
p0 4061 ± 3.903
4150
4100
4050
4000
3950
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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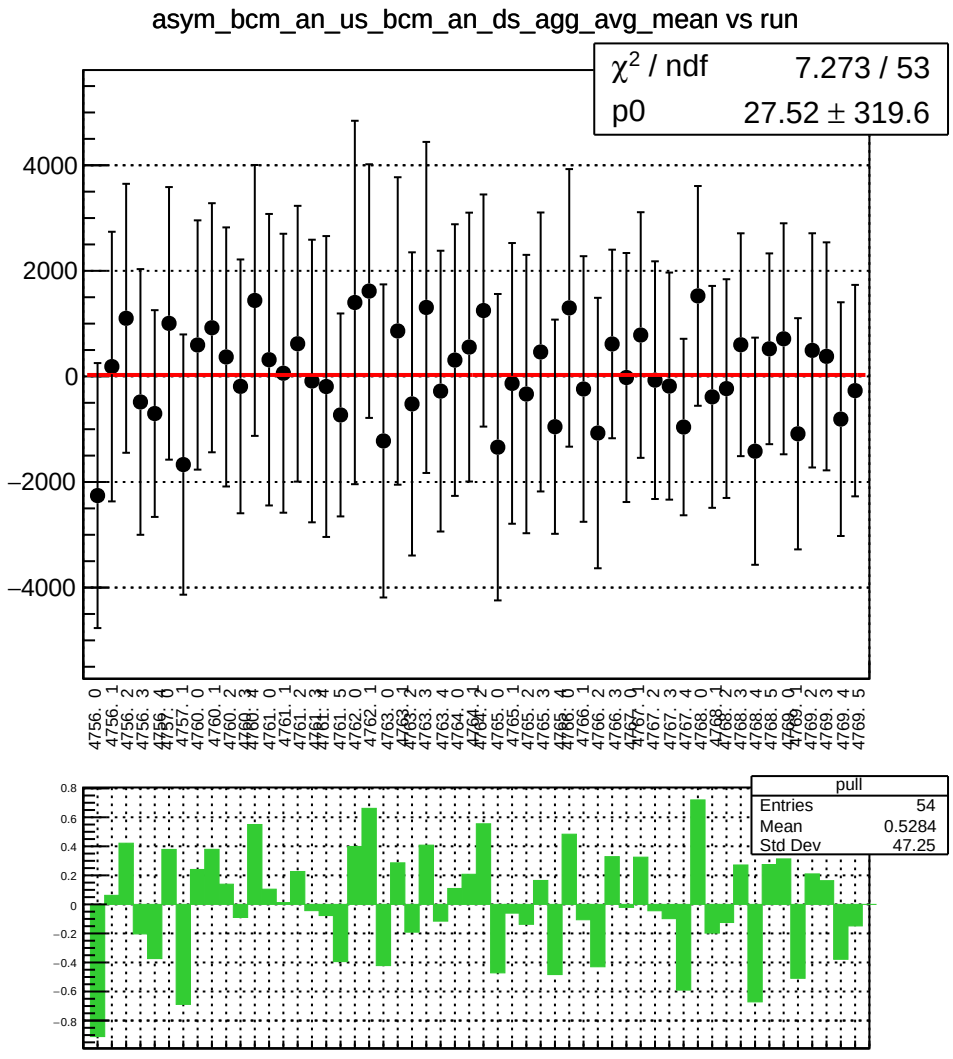
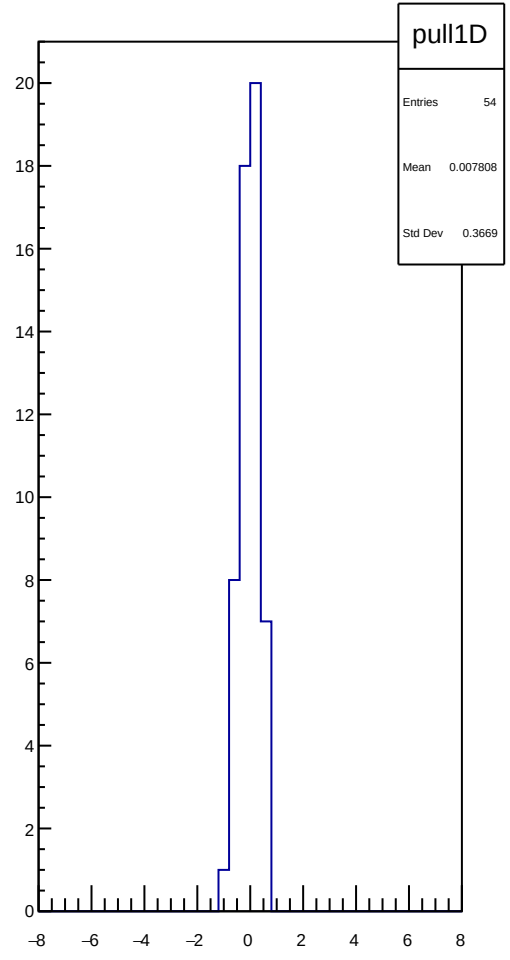
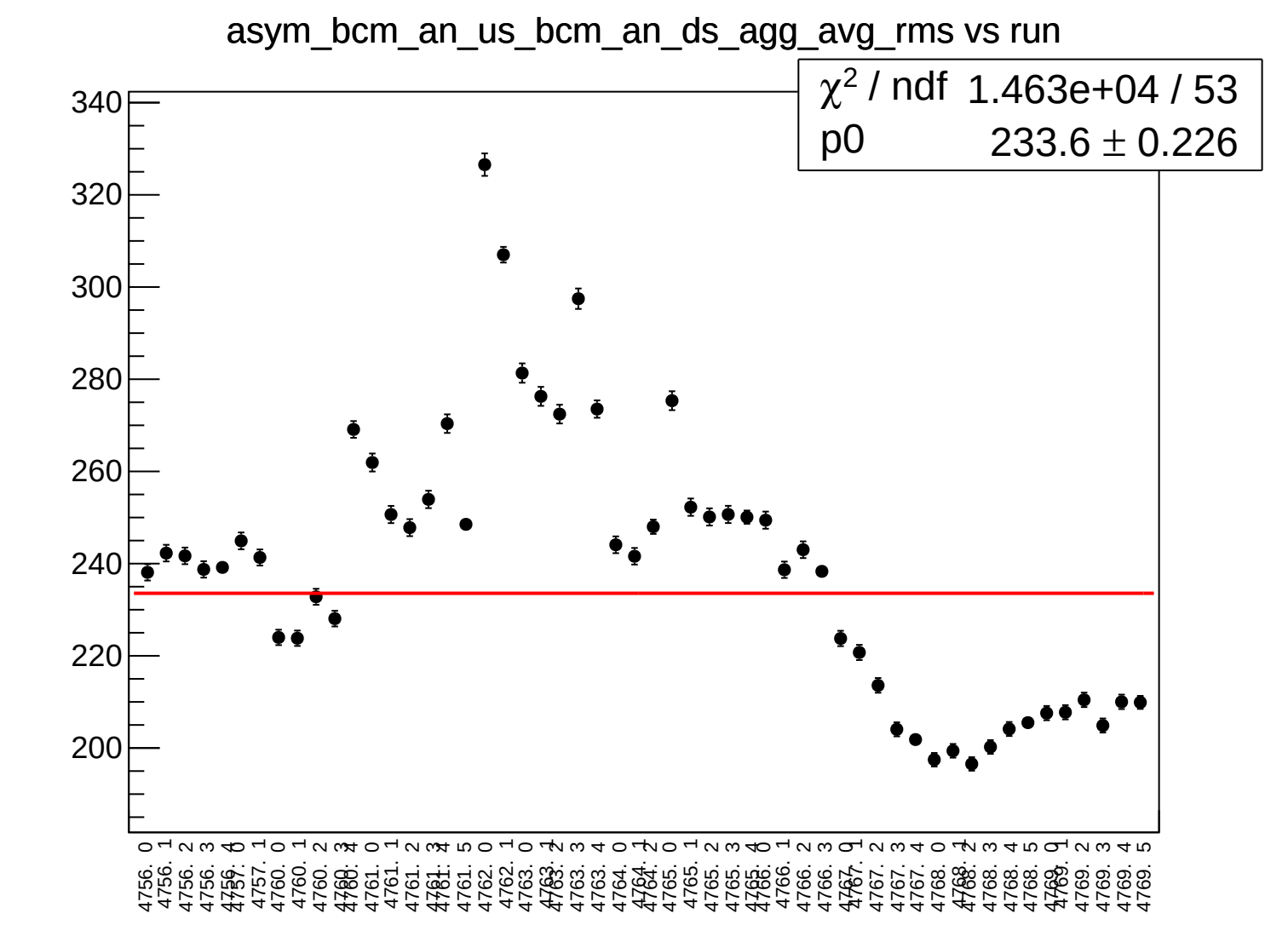
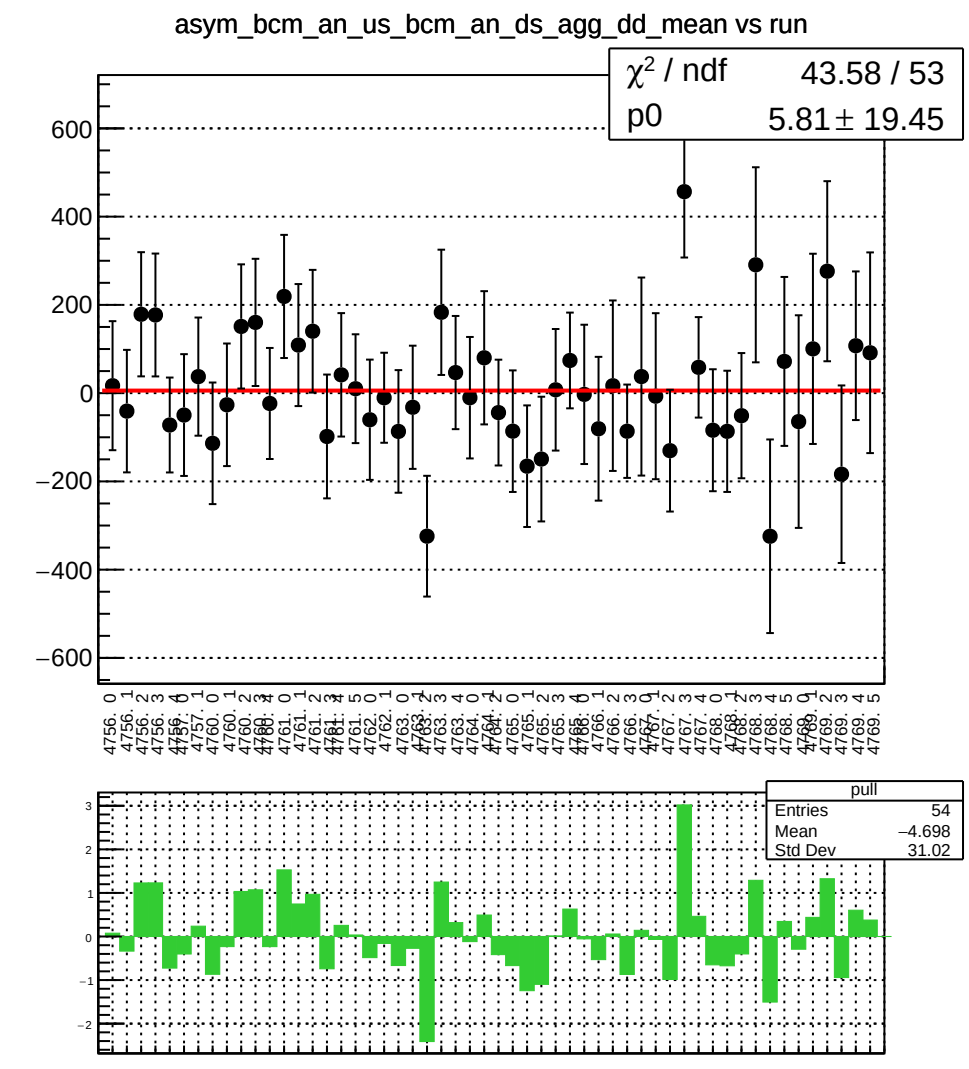
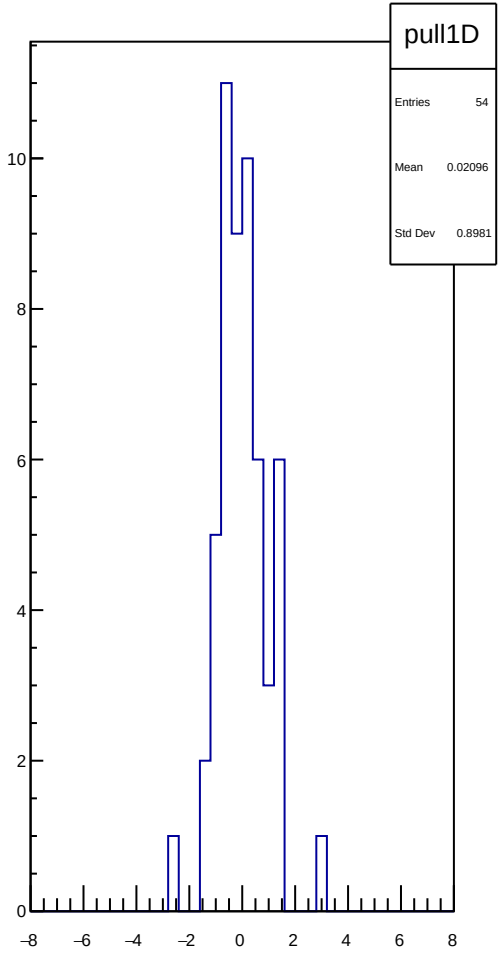
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

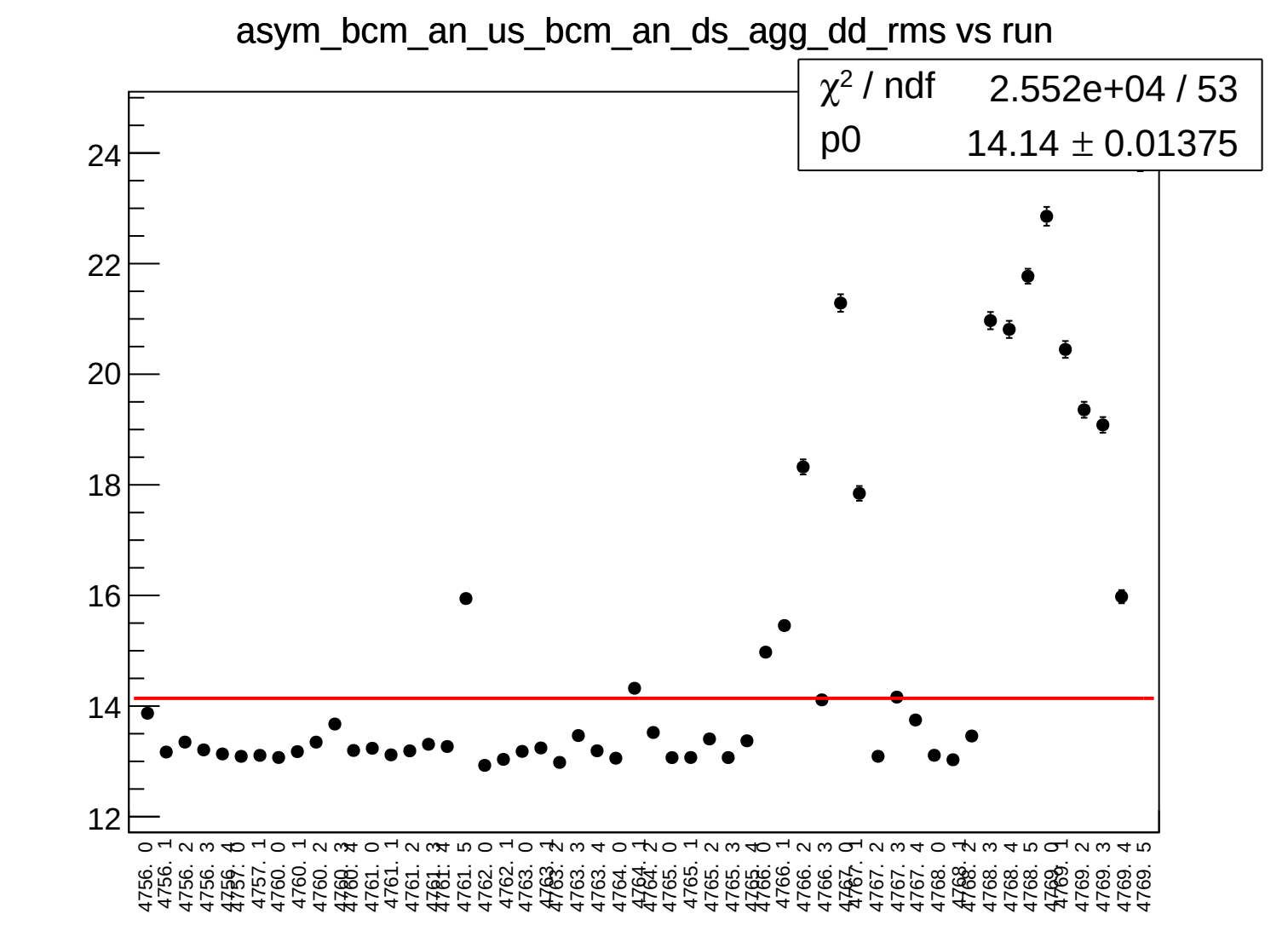

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 7.273 / 53
p0 27.52 ± 319.6
pull
Entries 54
Mean 0.5284
Std Dev 47.25


pull1D
Entries 54
Mean 0.007808
Std Dev 0.3669


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.463e+04 / 53
p0 233.6 ± 0.226
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 43.58 / 53
p0 5.81 ± 19.45
pull
Entries 54
Mean −4.698
Std Dev 31.02


pull1D
Entries 54
Mean 0.02096
Std Dev 0.8981


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.552e+04 / 53
p0 14.14 ± 0.01375
24
22
20
18
16
14
12
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
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4765. 0
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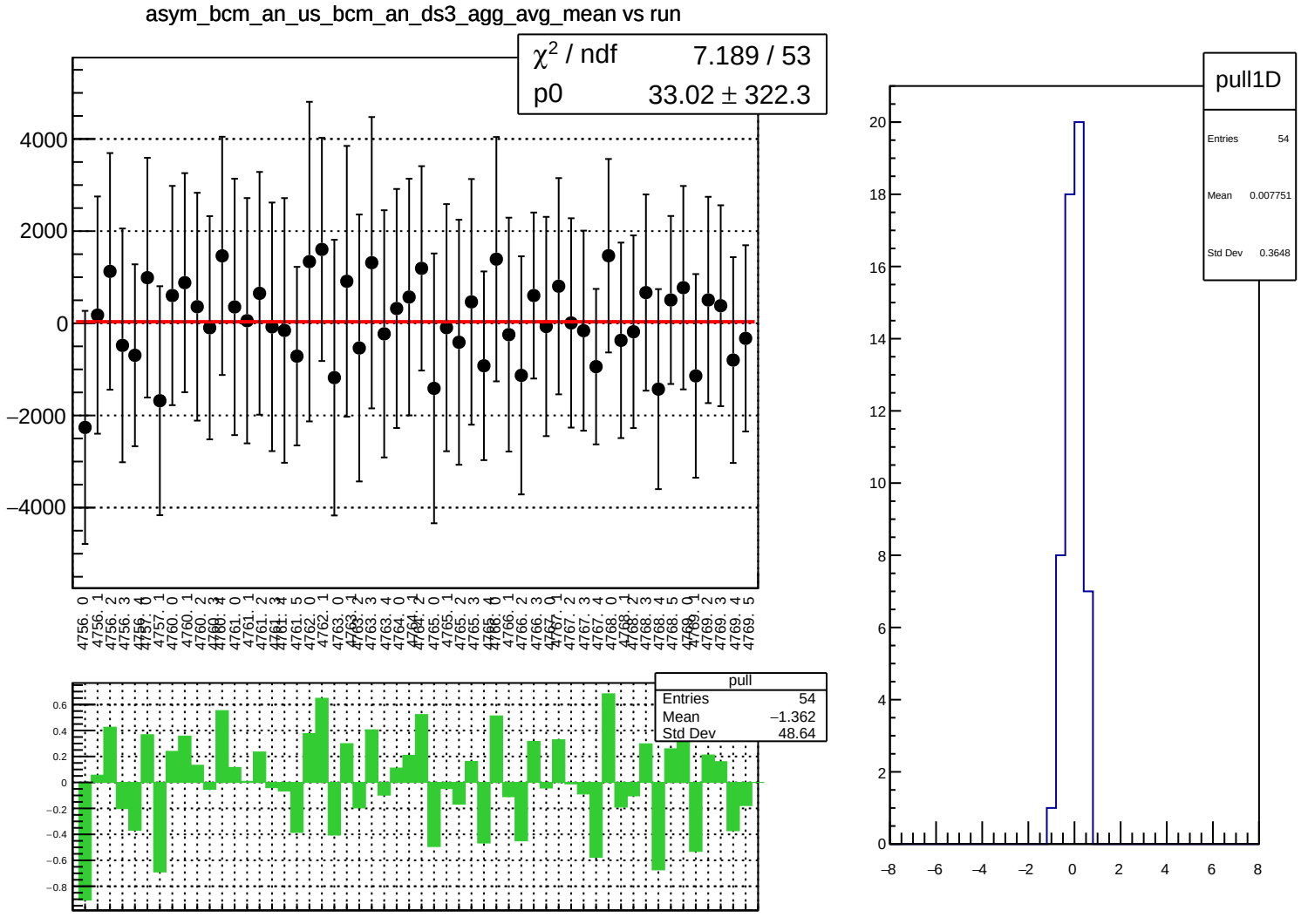
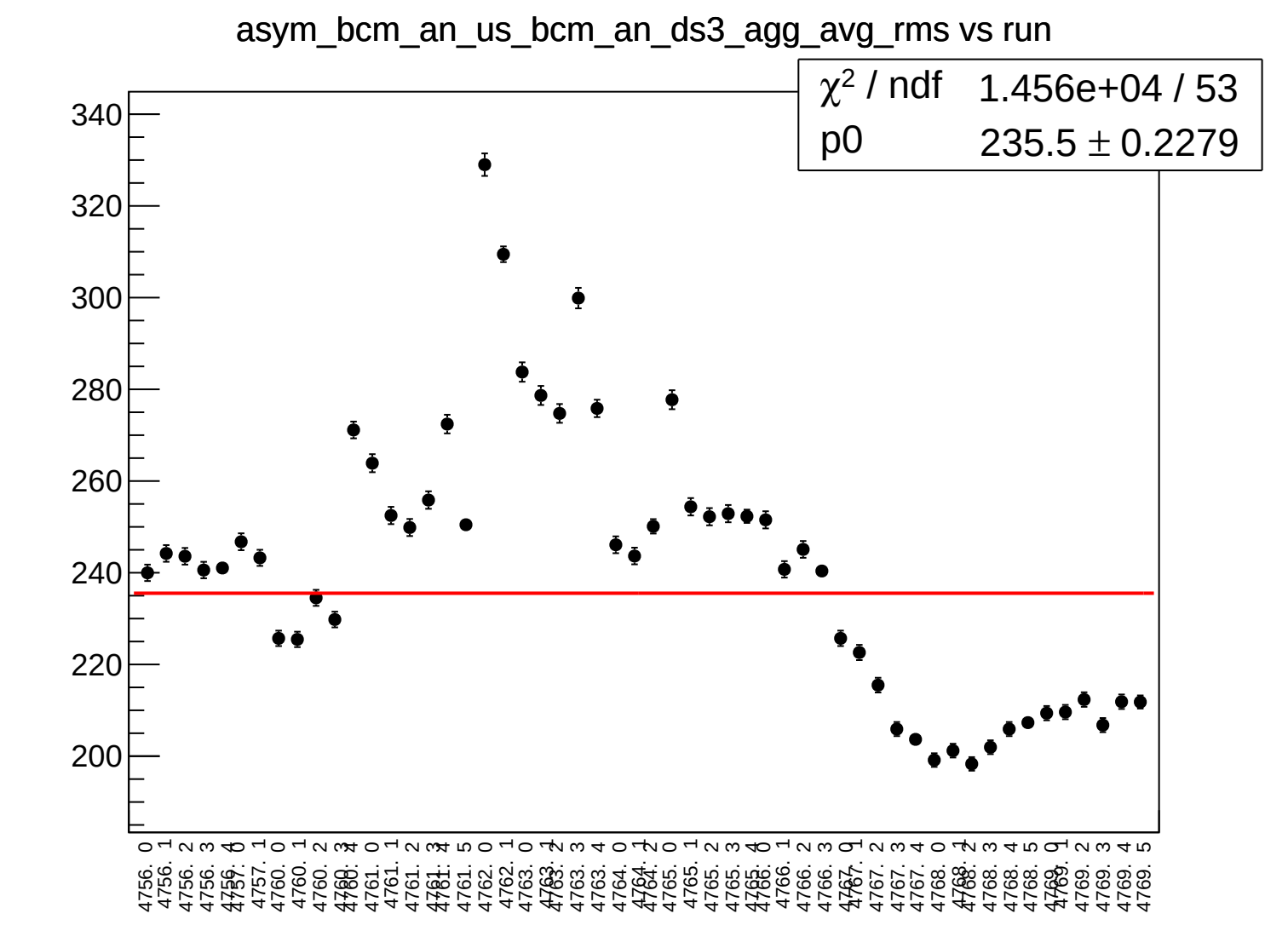
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 7.189 / 53
p0 33.02 ± 322.3
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −1.362
Std Dev 48.64
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.007751
Std Dev 0.3648
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 1.456e+04 / 53
p0 235.5 ± 0.2279
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
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4767. 2
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4768. 0
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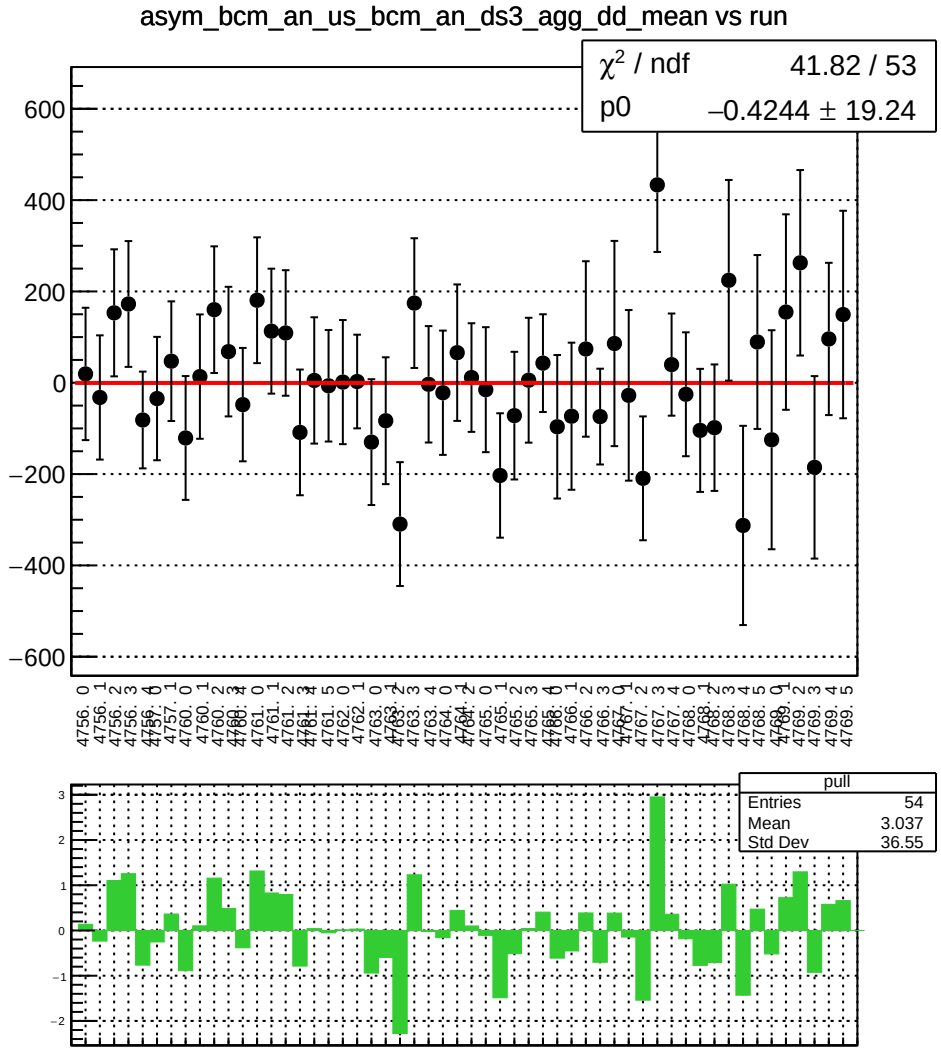
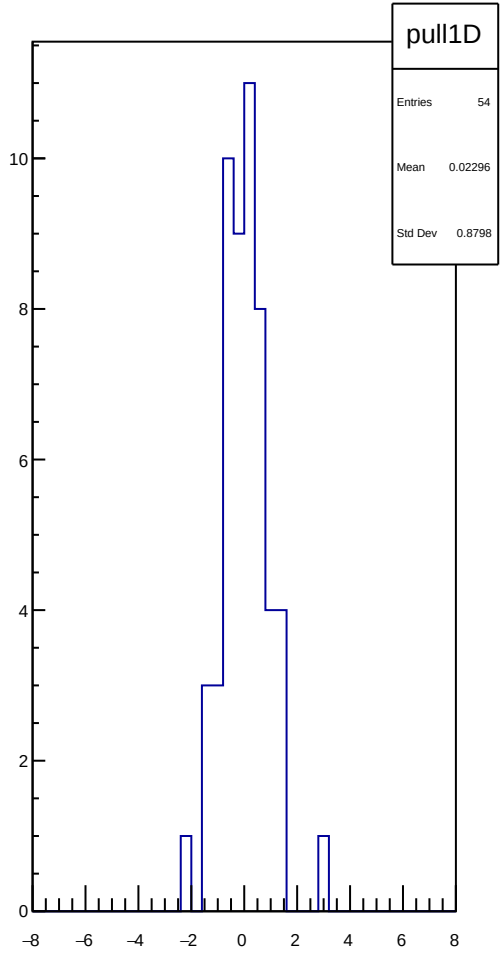
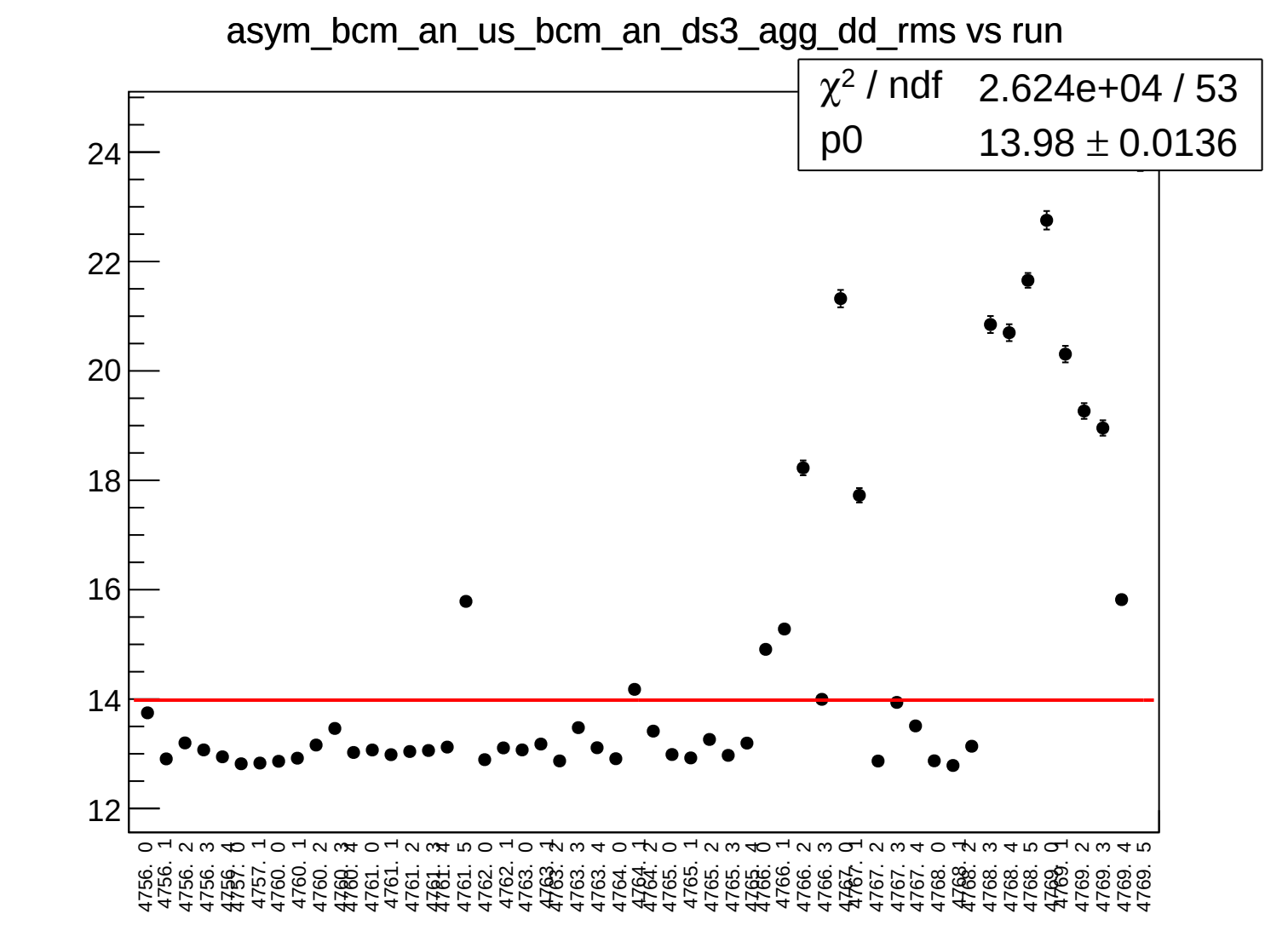
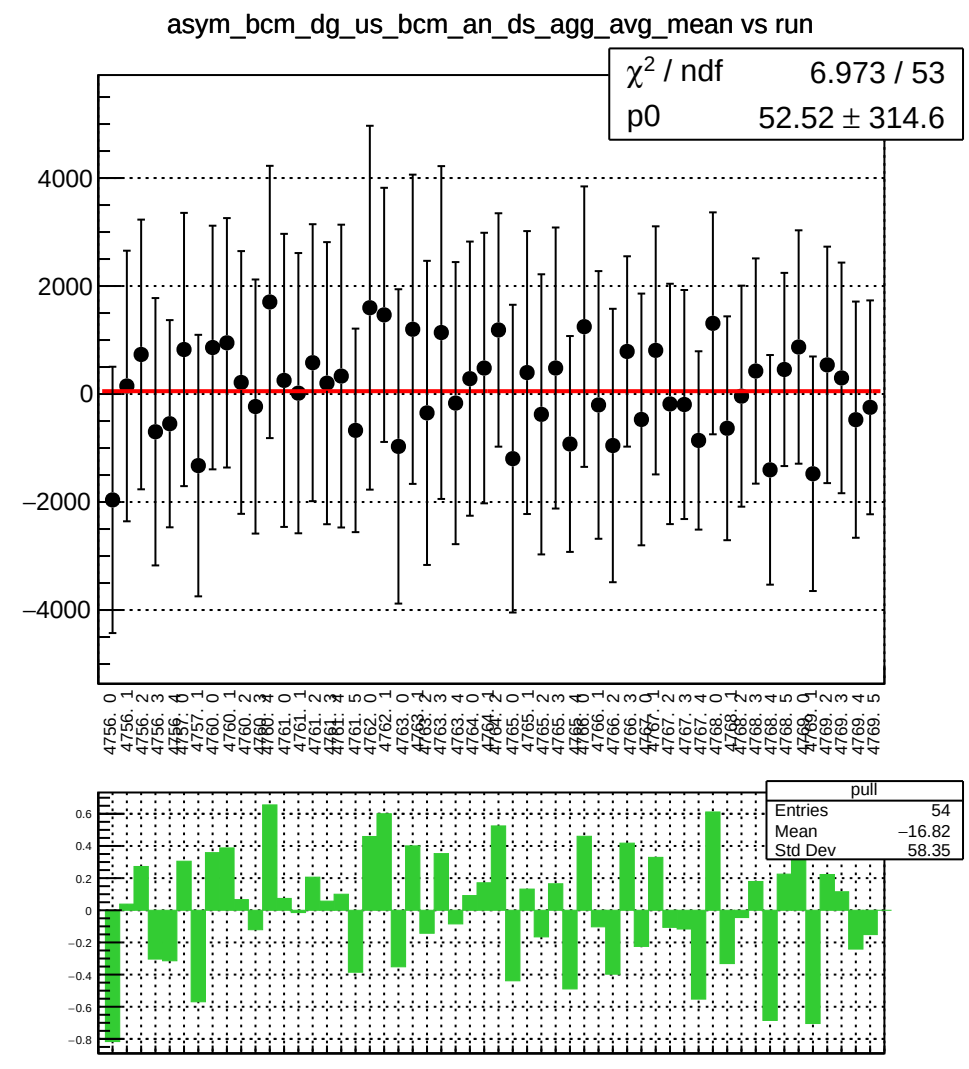
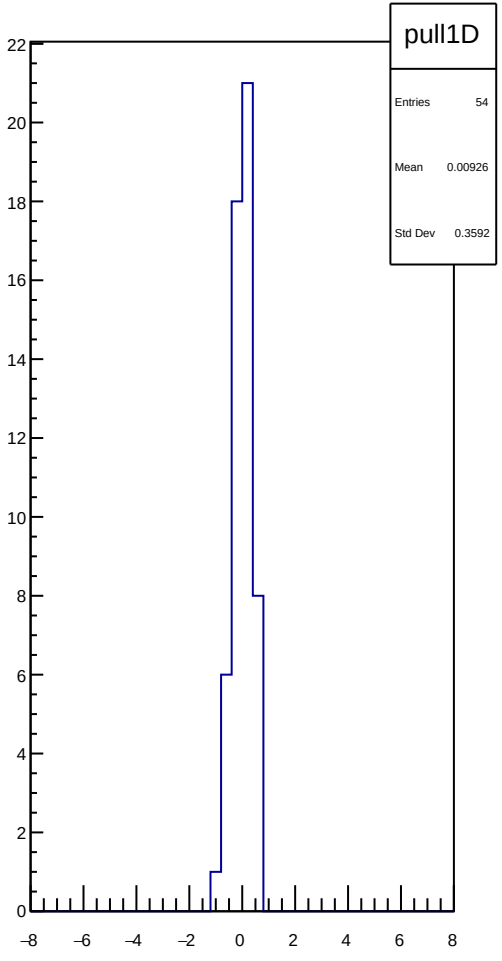
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

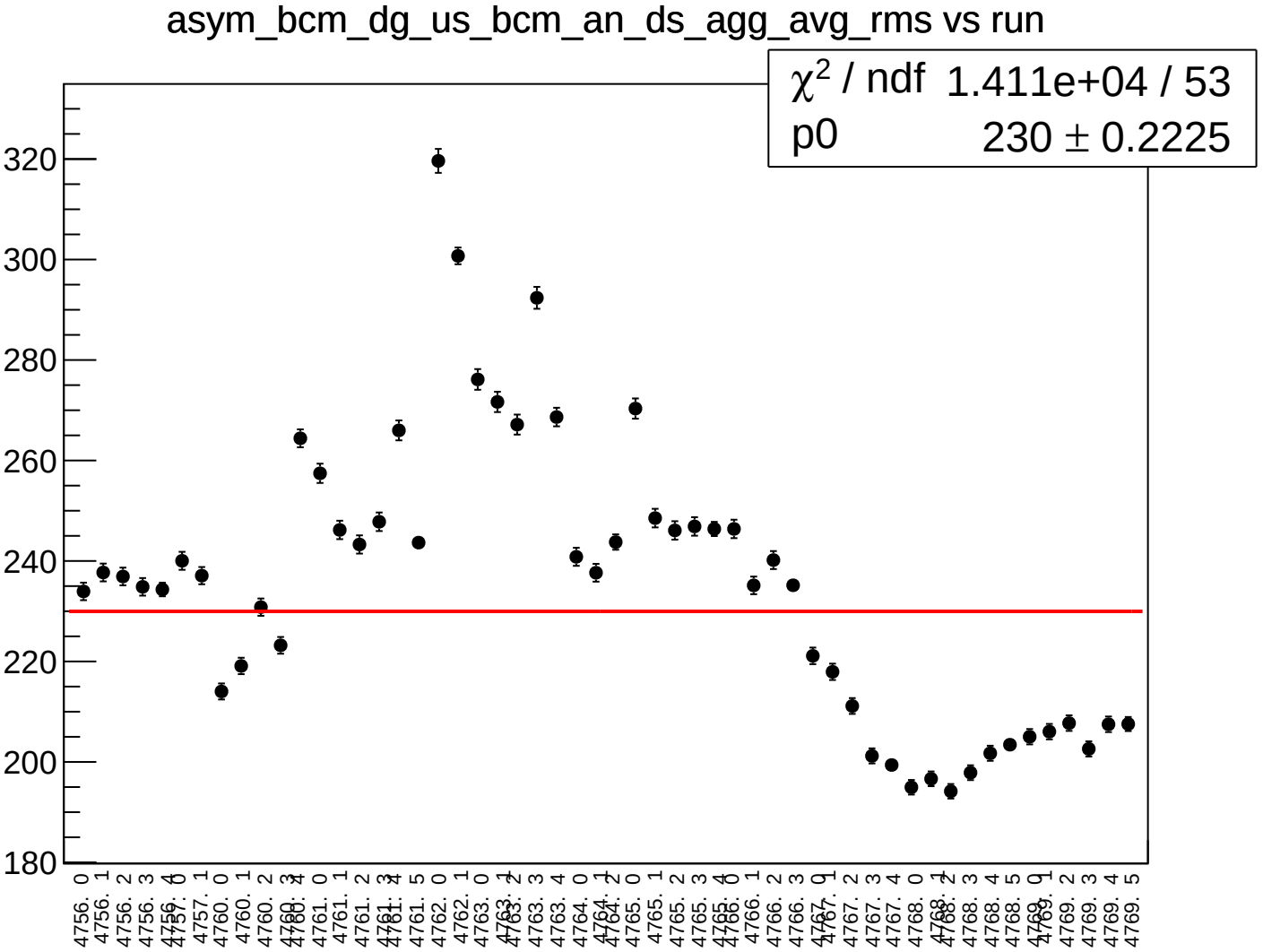

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 41.82 / 53
p0 −0.4244 ± 19.24
pull
Entries 54
Mean 3.037
Std Dev 36.55

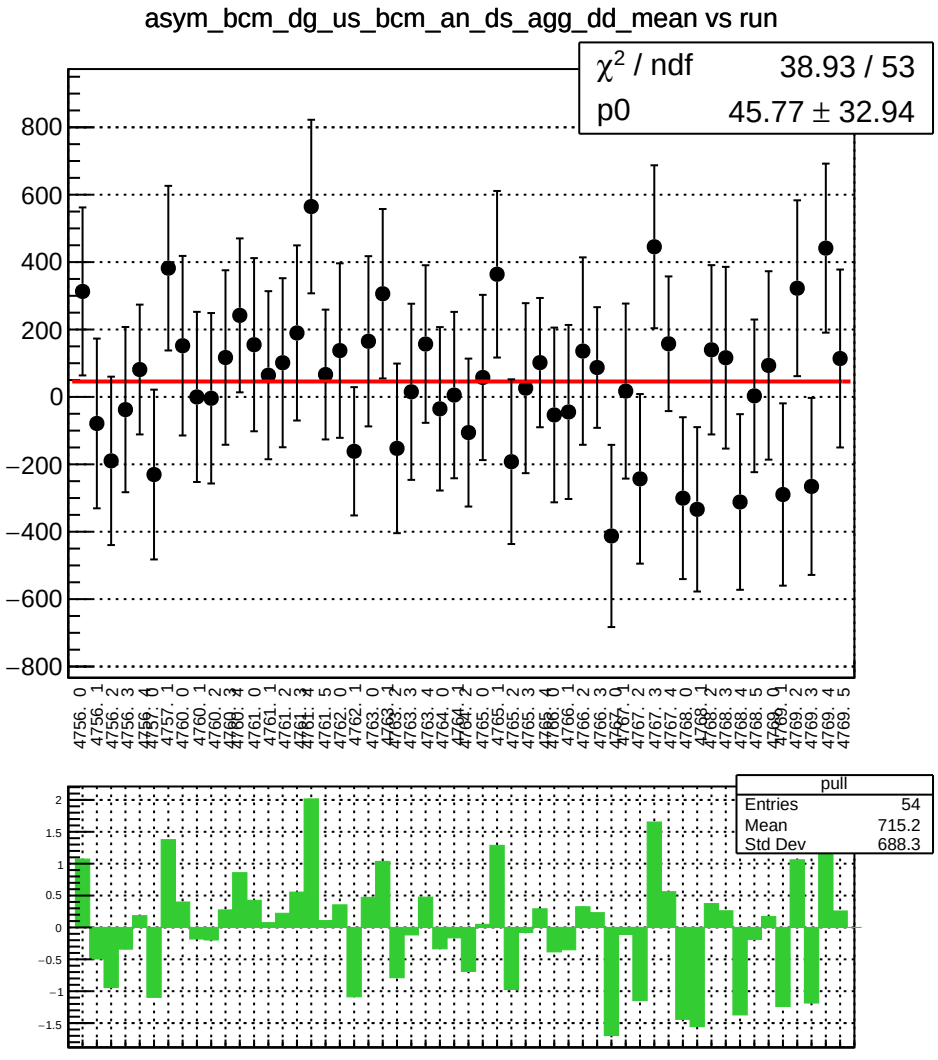

pull1D
Entries 54
Mean 0.02296
Std Dev 0.8798

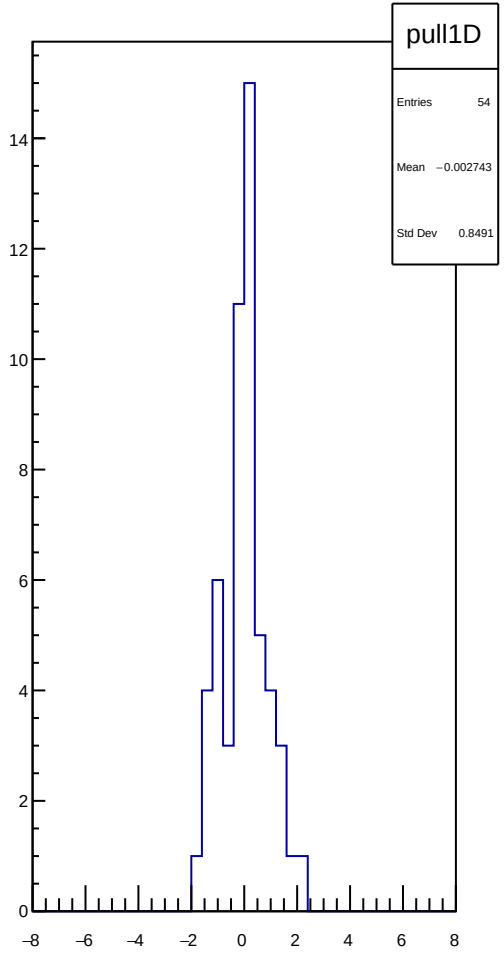

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.624e+04 / 53
p0 13.98 ± 0.0136
24
22
20
18
16
14
12
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

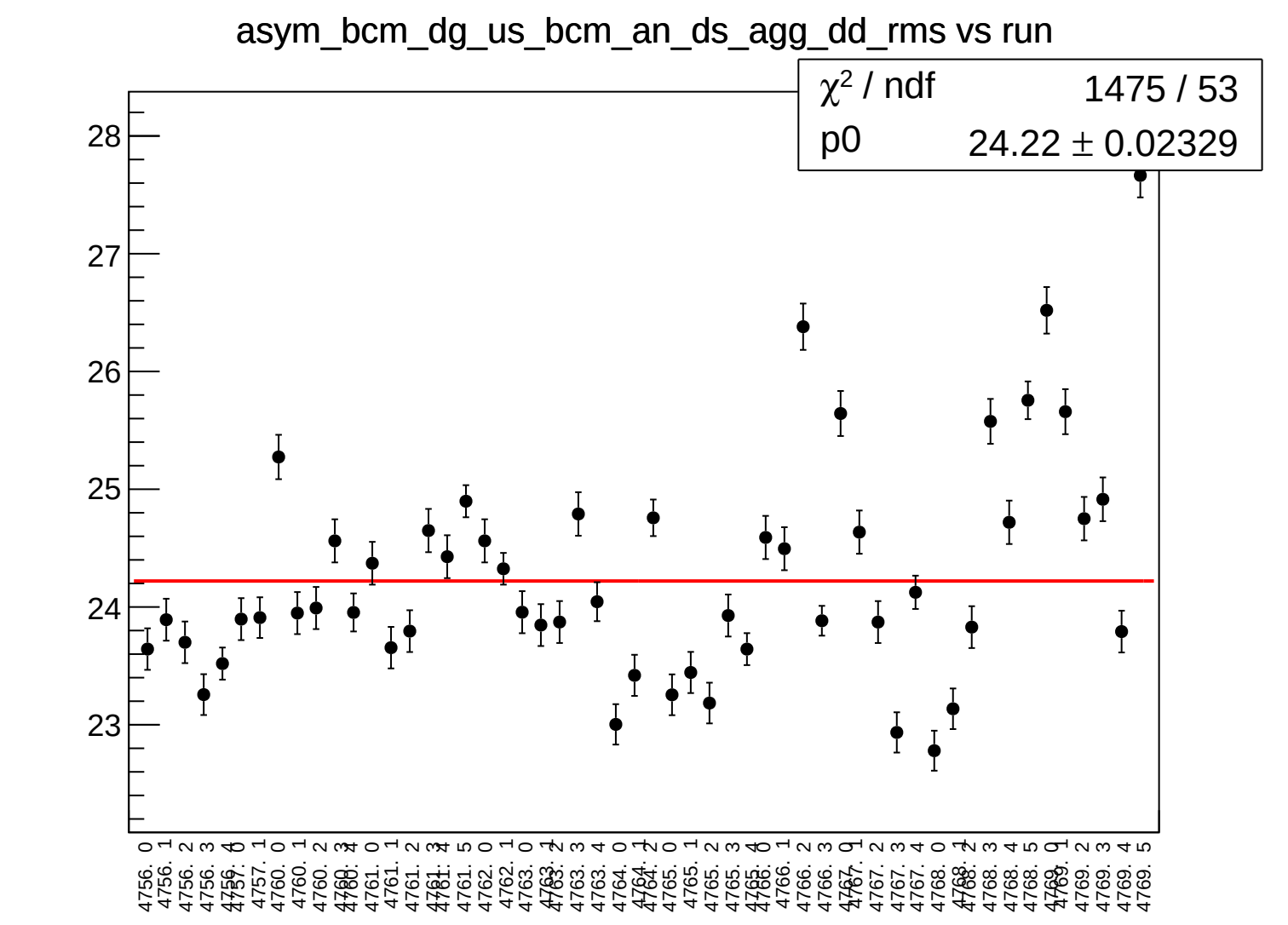

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.973 / 53
p0 52.52 ± 314.6
pull
Entries 54
Mean −16.82
Std Dev 58.35

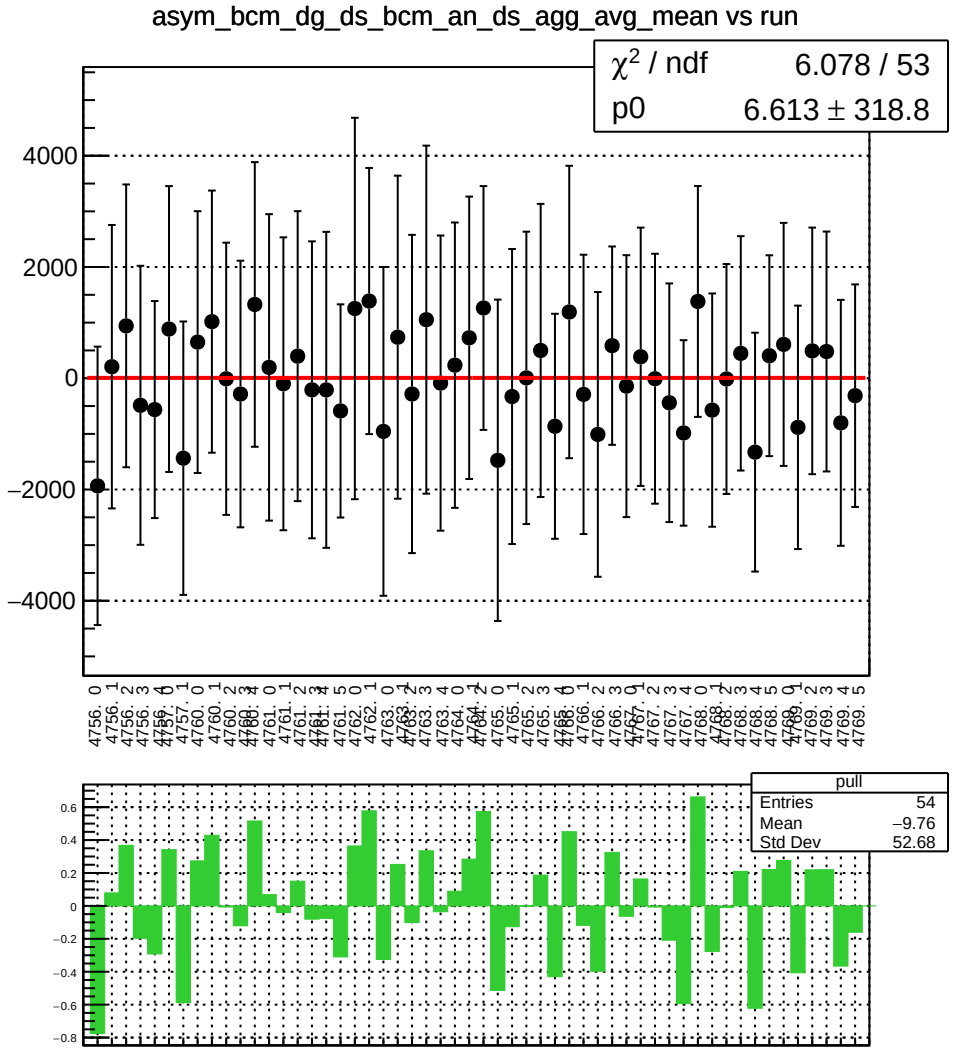

pull1D
Entries 54
Mean 0.00926
Std Dev 0.3592

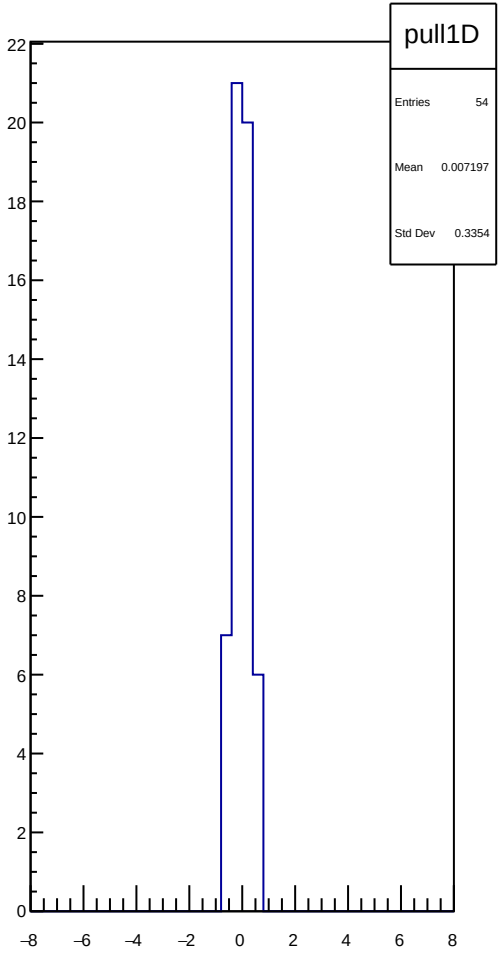

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.411e+04 / 53
p0 230 ± 0.2225
320
300
280
260
240
220
200
180
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

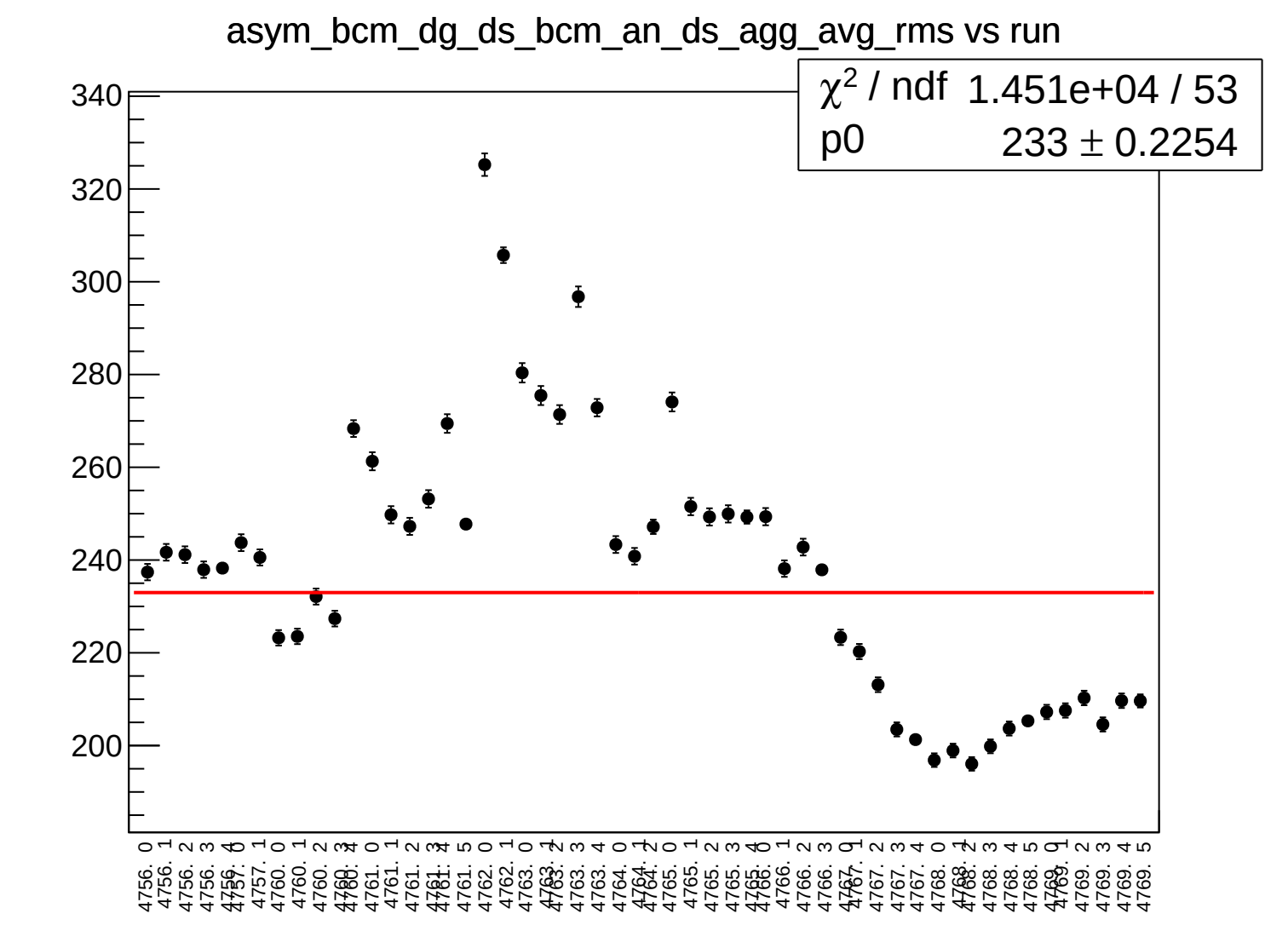

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 38.93 / 53
p0 45.77 ± 32.94
pull
Entries 54
Mean 715.2
Std Dev 688.3

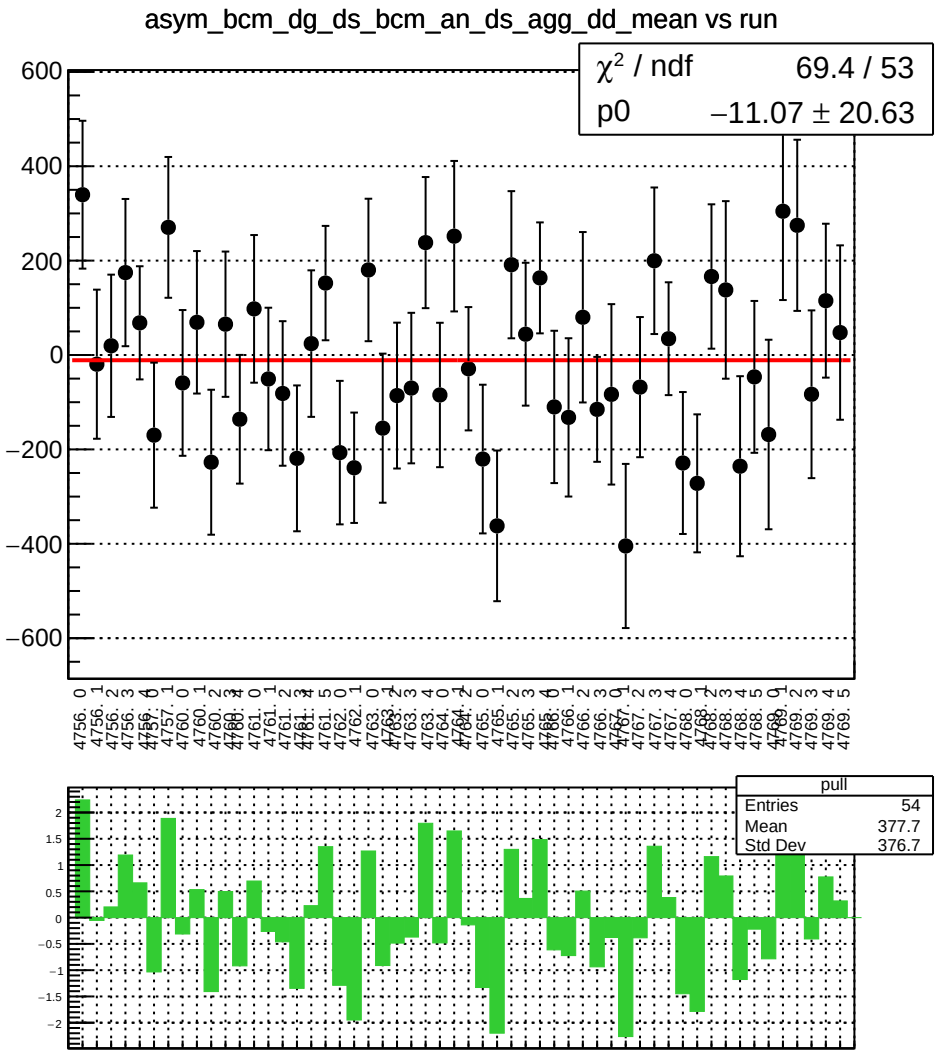

pull1D
Entries 54
Mean −0.002743
Std Dev 0.8491

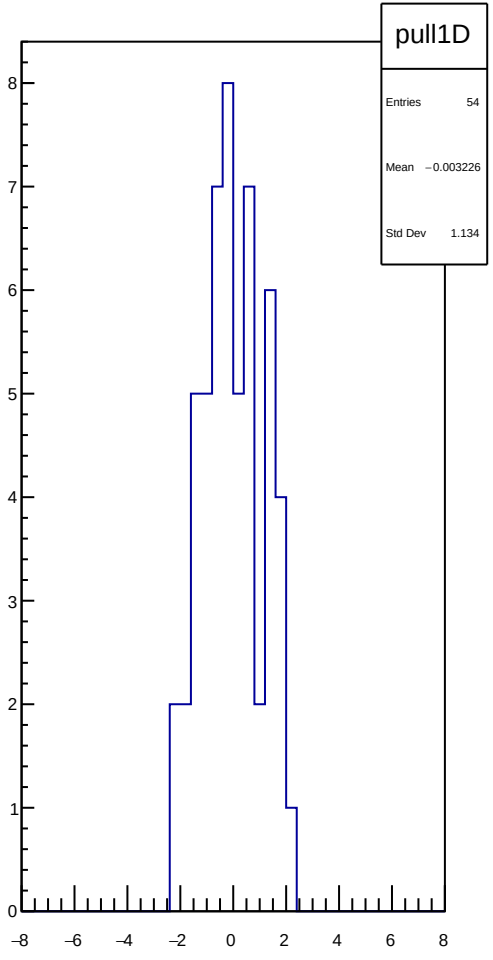

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1475 / 53
p0 24.22 ± 0.02329
28
27
26
25
24
23

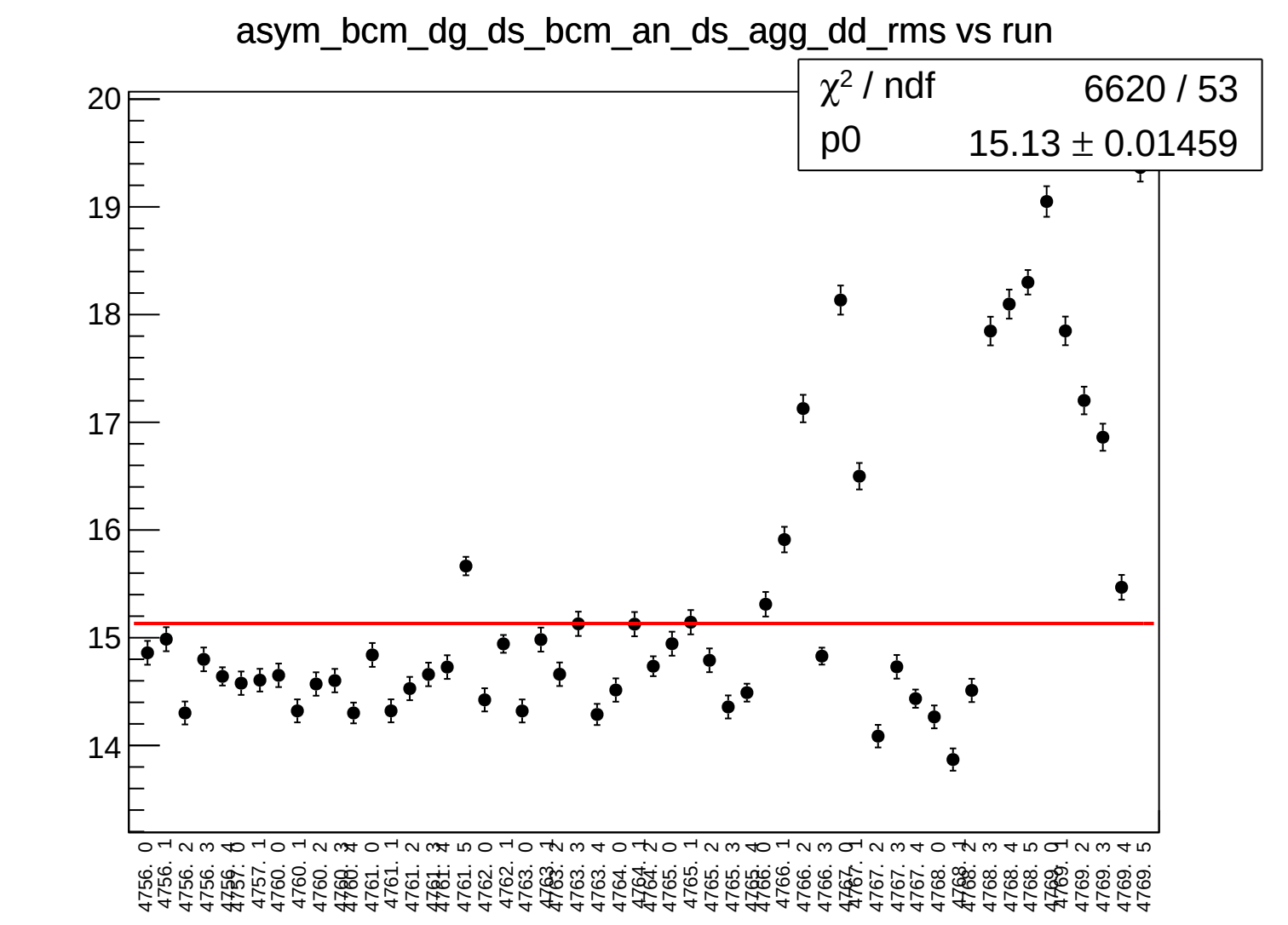

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.078 / 53
p0 6.613 ± 318.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −9.76
Std Dev 52.68
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

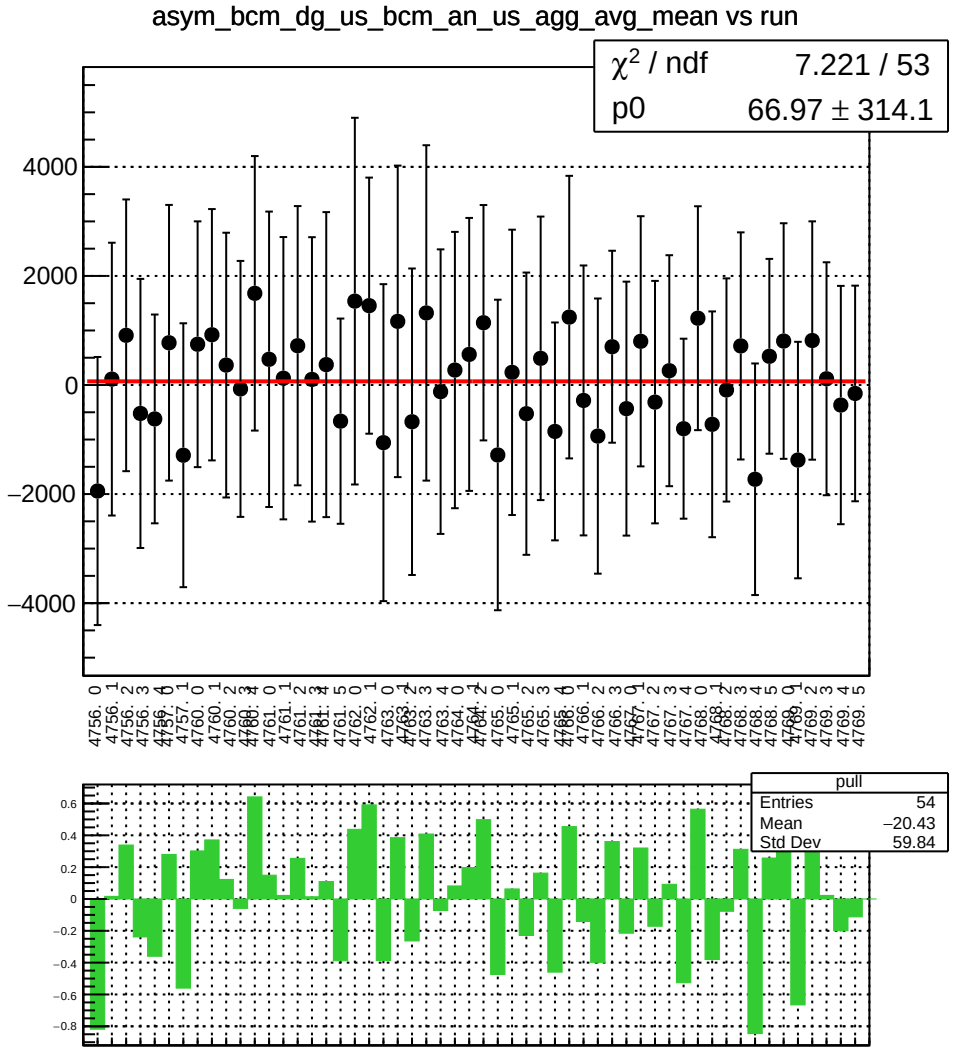

pull1D
Entries 54
Mean 0.007197
Std Dev 0.3354
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

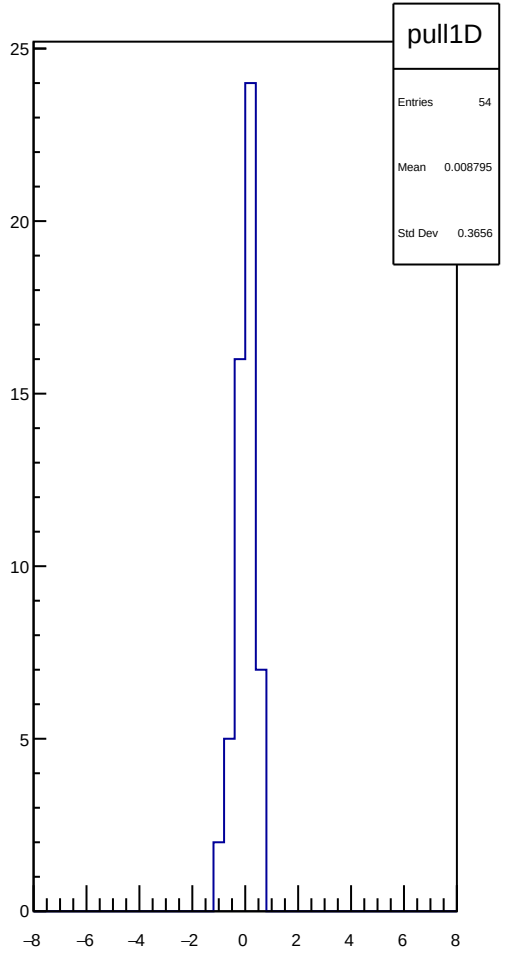

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.451e+04 / 53
p0 233 ± 0.2254
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

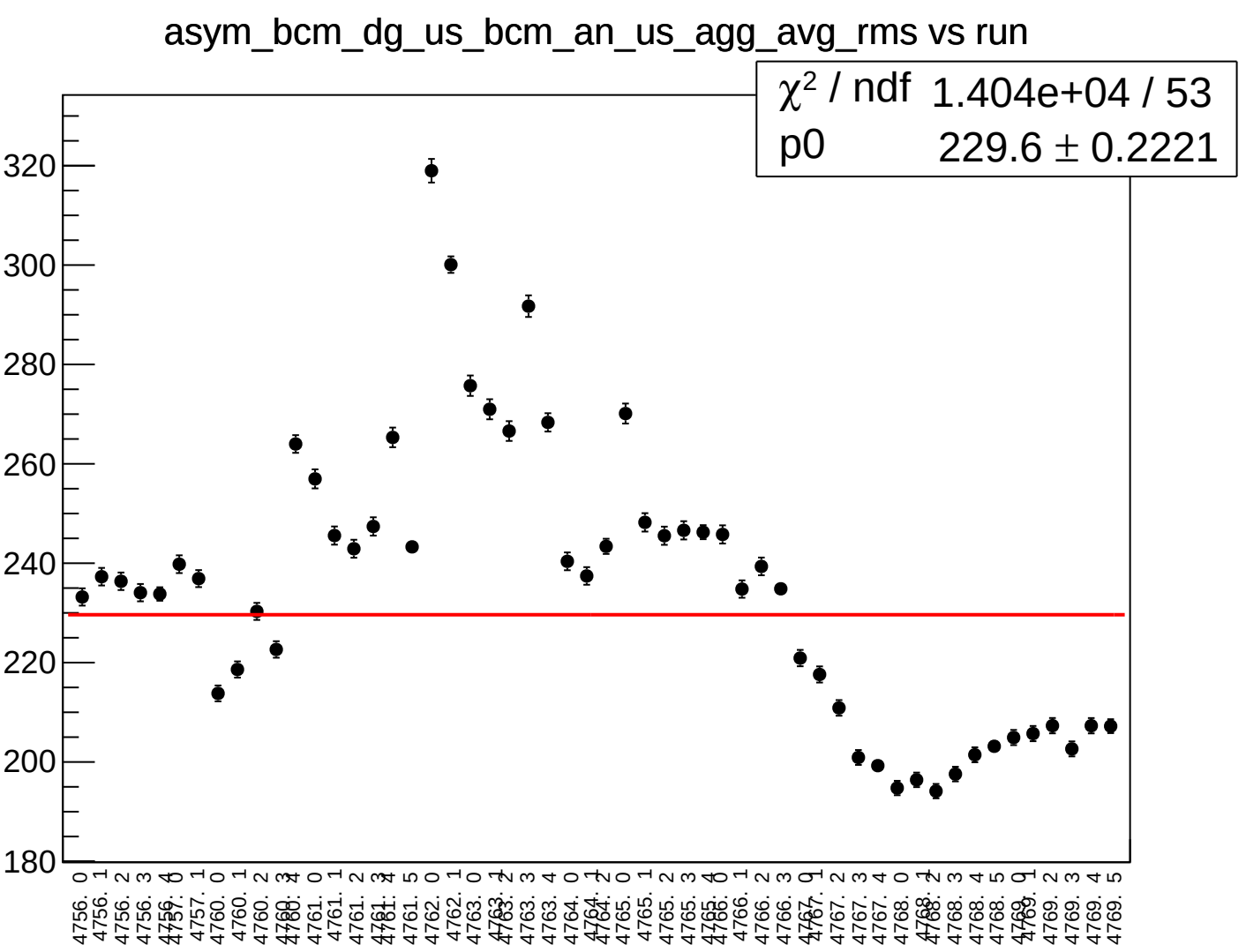

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 69.4 / 53
p0 −11.07 ± 20.63
pull
Entries 54
Mean 377.7
Std Dev 376.7

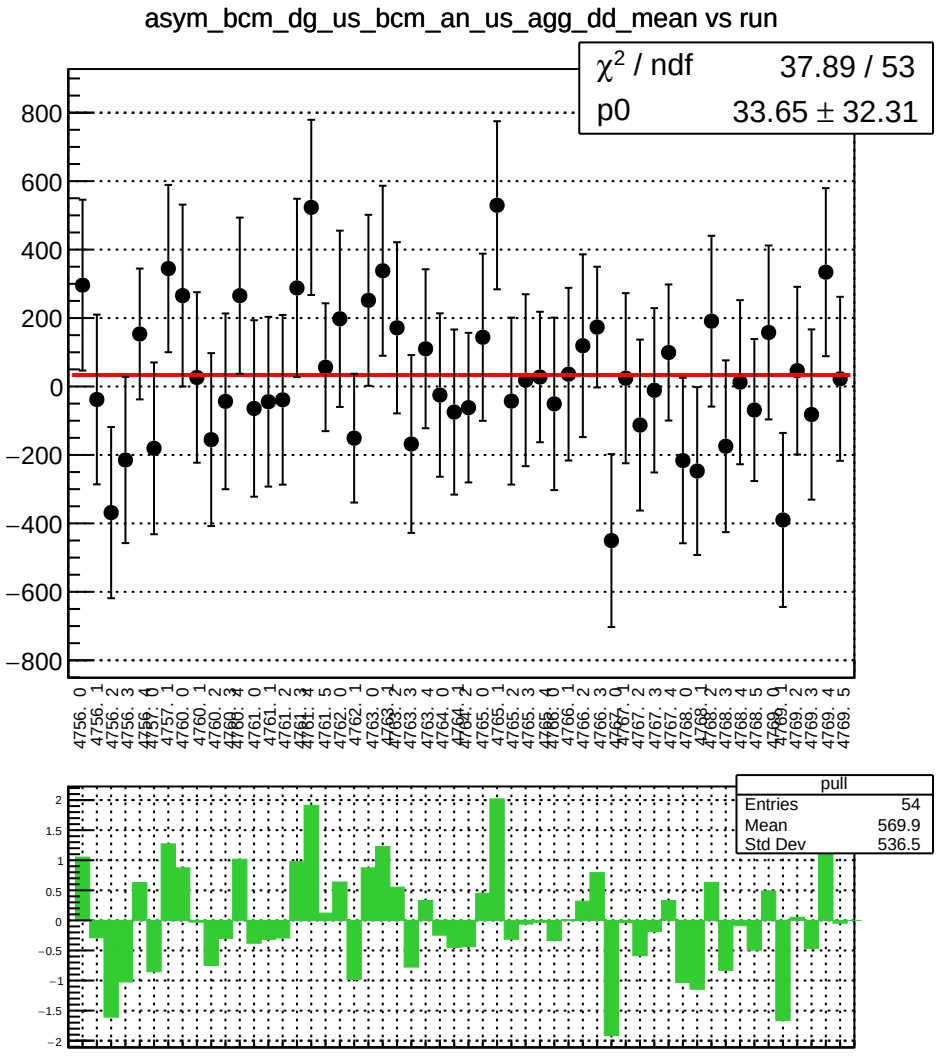

pull1D
Entries 54
Mean −0.003226
Std Dev 1.134

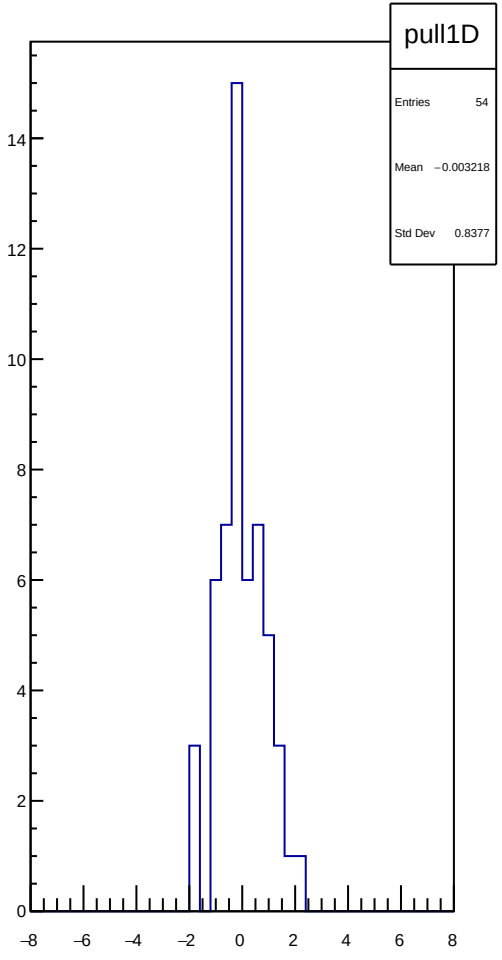

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 6620 / 53
p0 15.13 ± 0.01459
20
19
18
17
16
15
14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

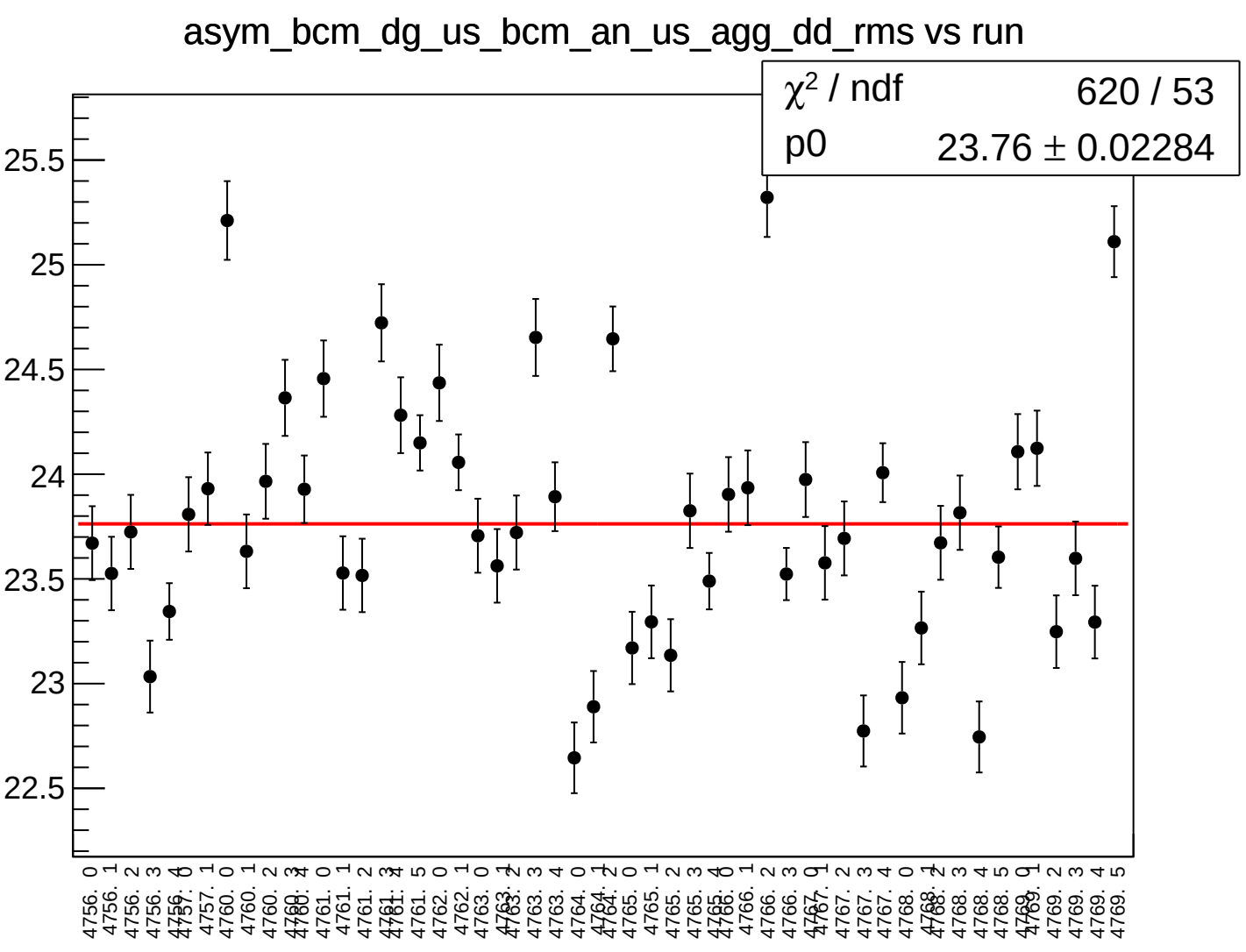

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 7.221 / 53
p0 66.97 ± 314.1
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −20.43
Std Dev 59.84
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

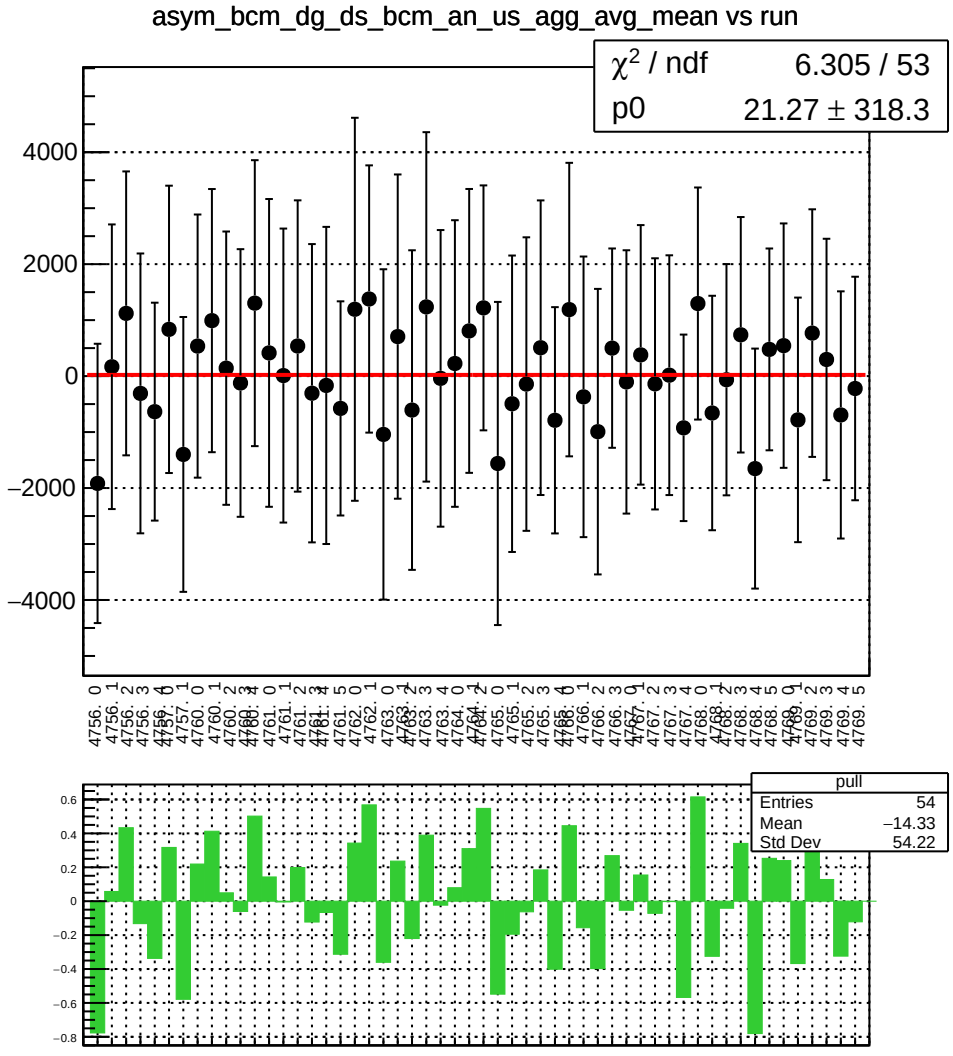

pull1D
Entries 54
Mean 0.008795
Std Dev 0.3656
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

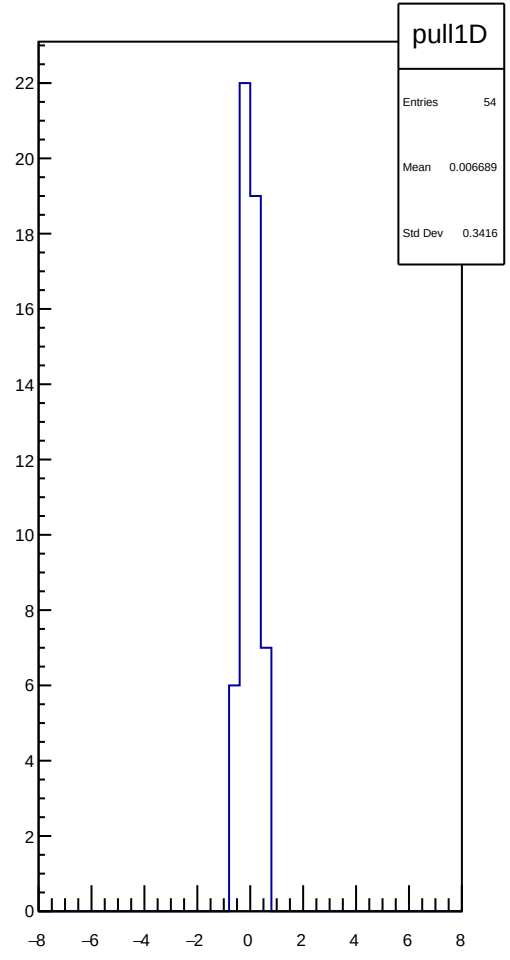

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.404e+04 / 53
p0 229.6 ± 0.2221
320
300
280
260
240
220
200
180
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

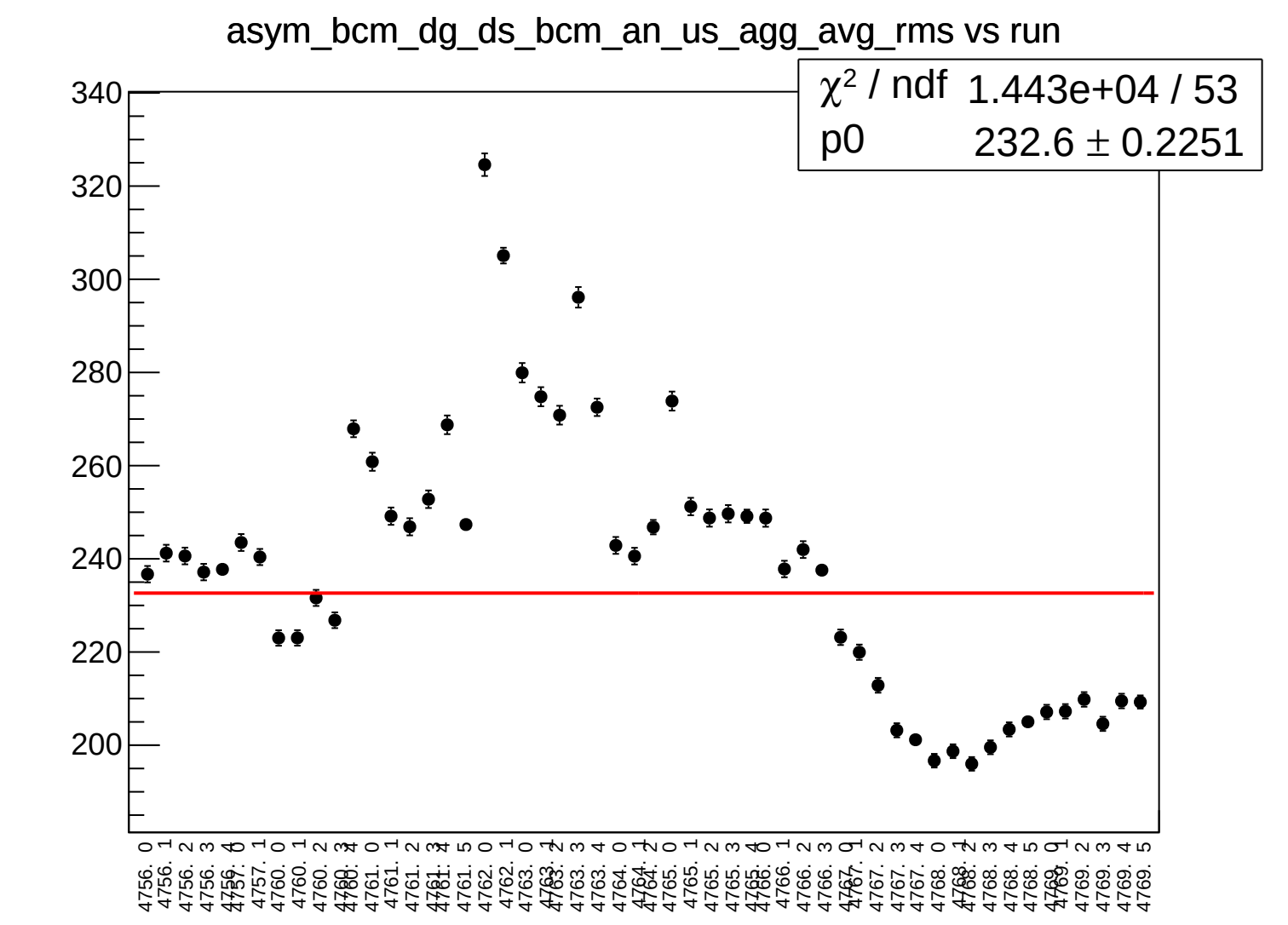

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 37.89 / 53
p0 33.65 ± 32.31
pull
Entries 54
Mean 569.9
Std Dev 536.5

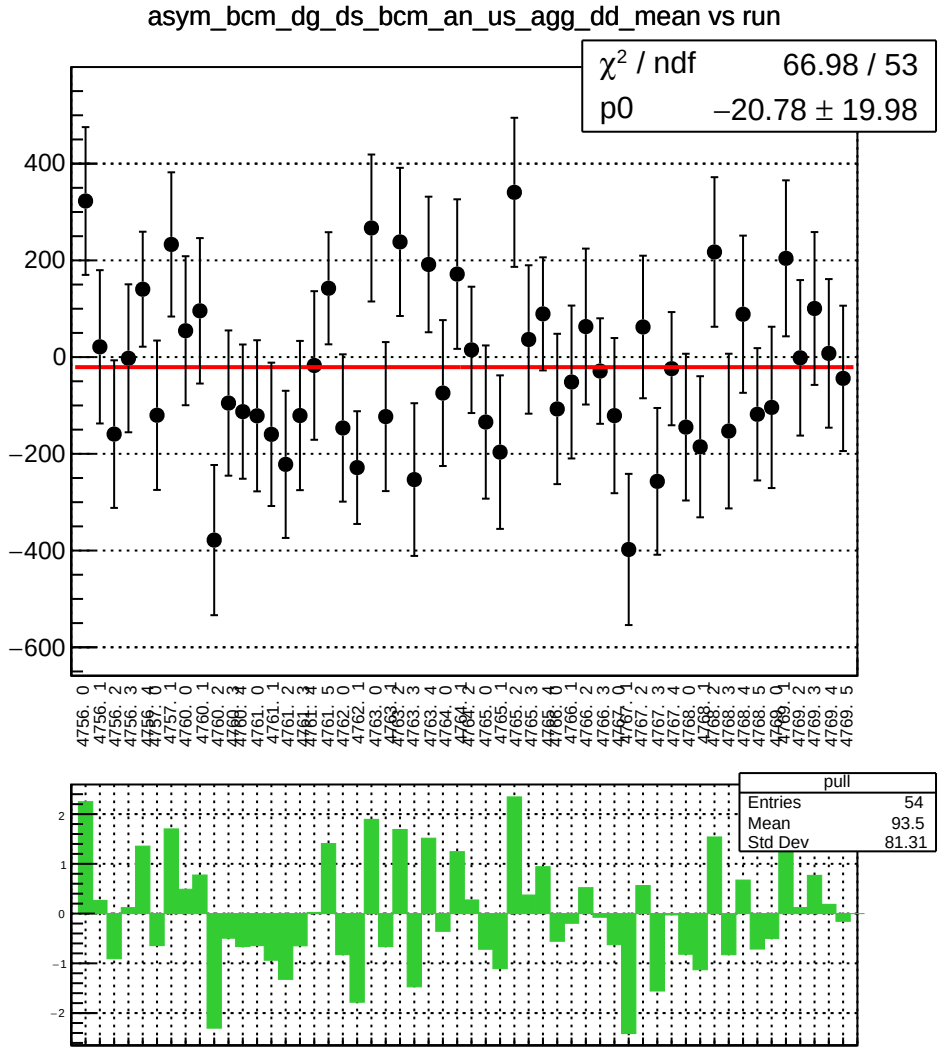

pull1D
Entries 54
Mean −0.003218
Std Dev 0.8377

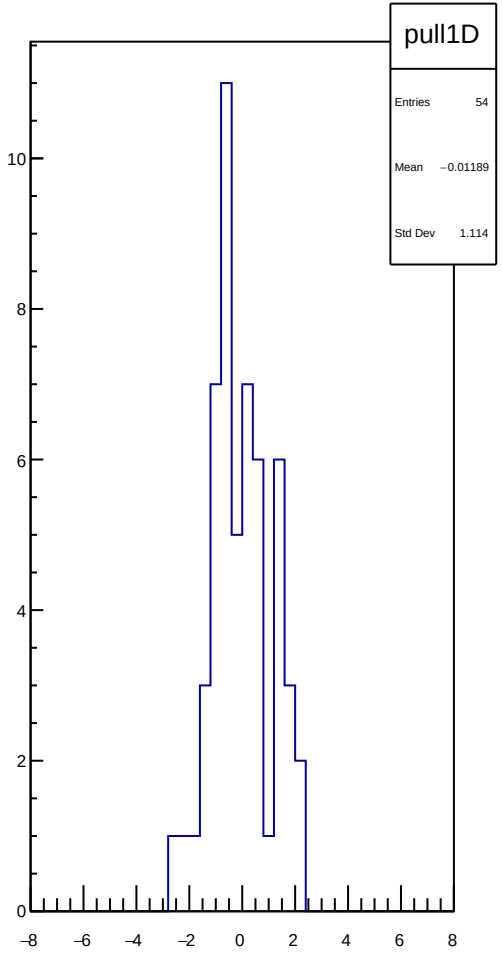

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 620 / 53
p0 23.76 ± 0.02284
25.5
25
24.5
24
23.5
23
22.5
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

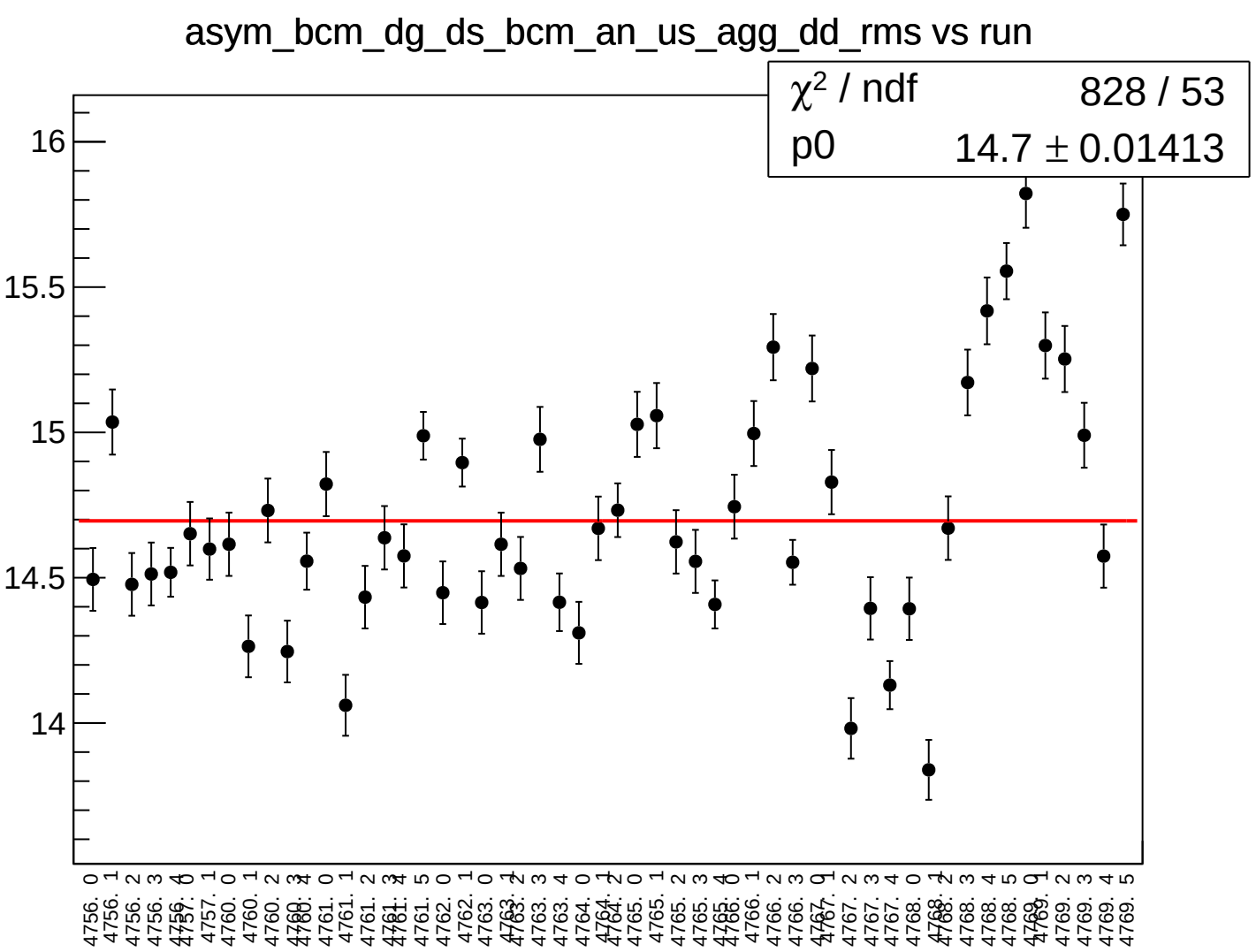

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 6.305 / 53
p0 21.27 ± 318.3
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −14.33
Std Dev 54.22
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

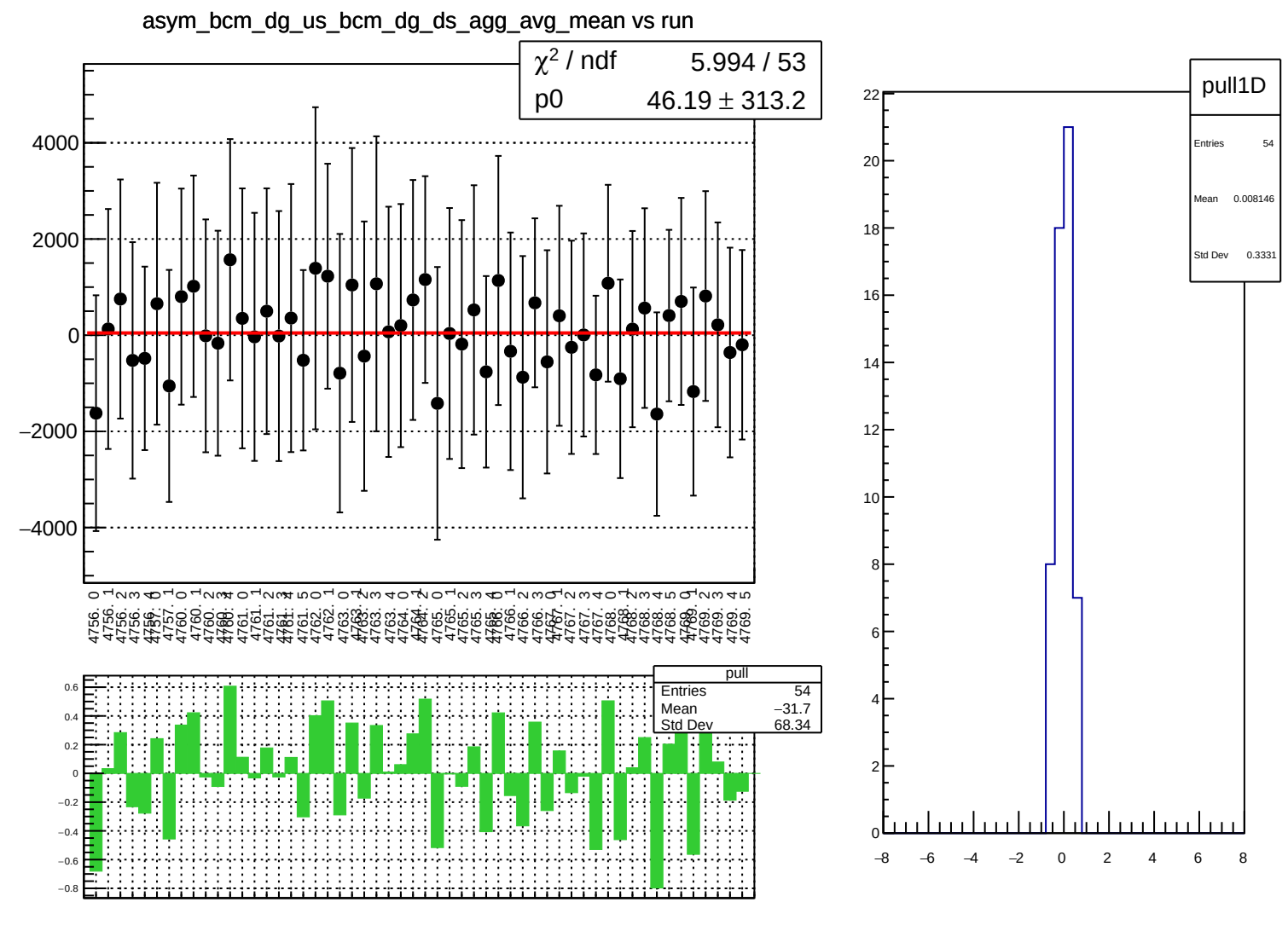

pull1D
Entries 54
Mean 0.006689
Std Dev 0.3416
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

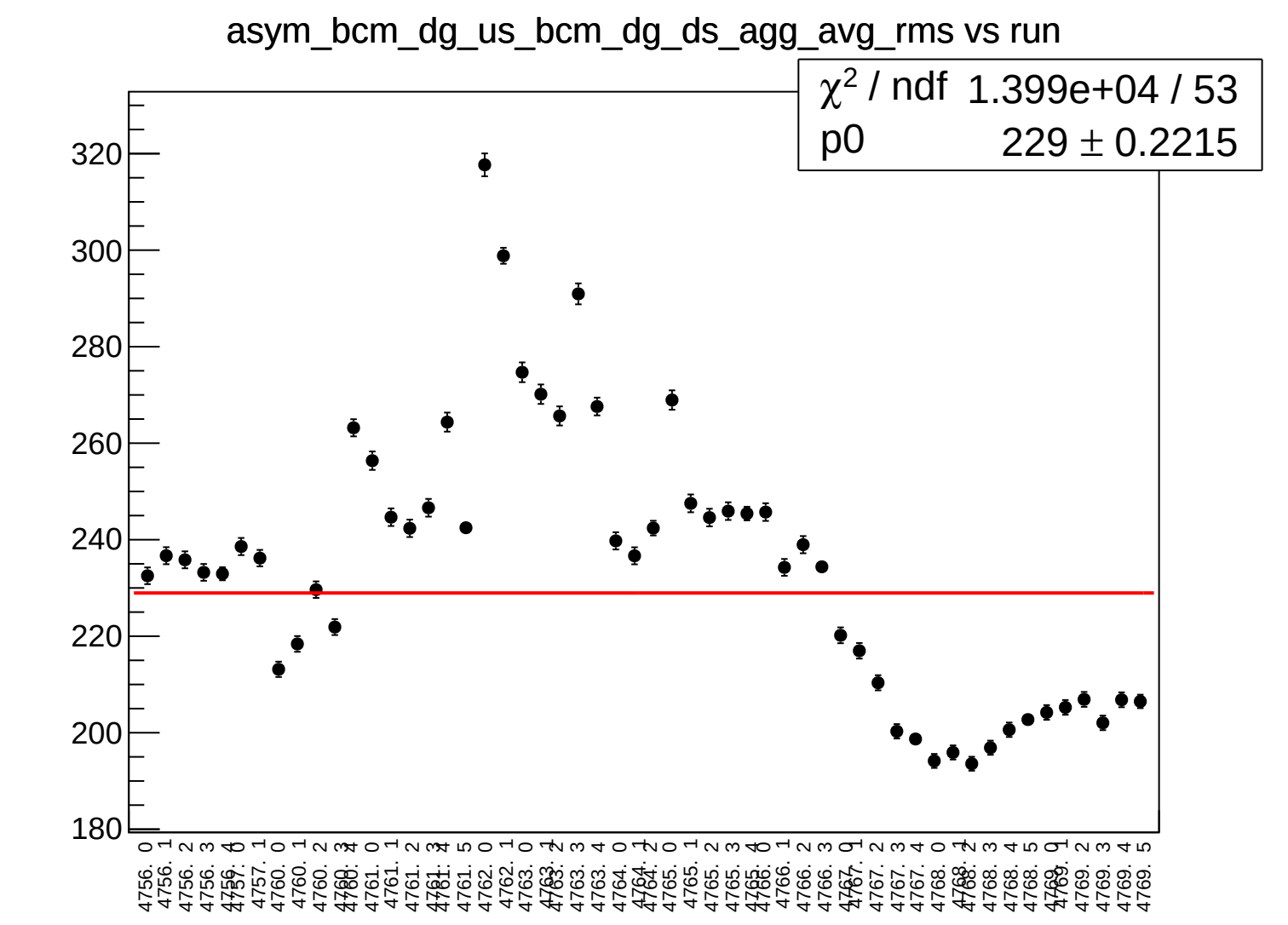

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.443e+04 / 53
p0 232.6 ± 0.2251
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

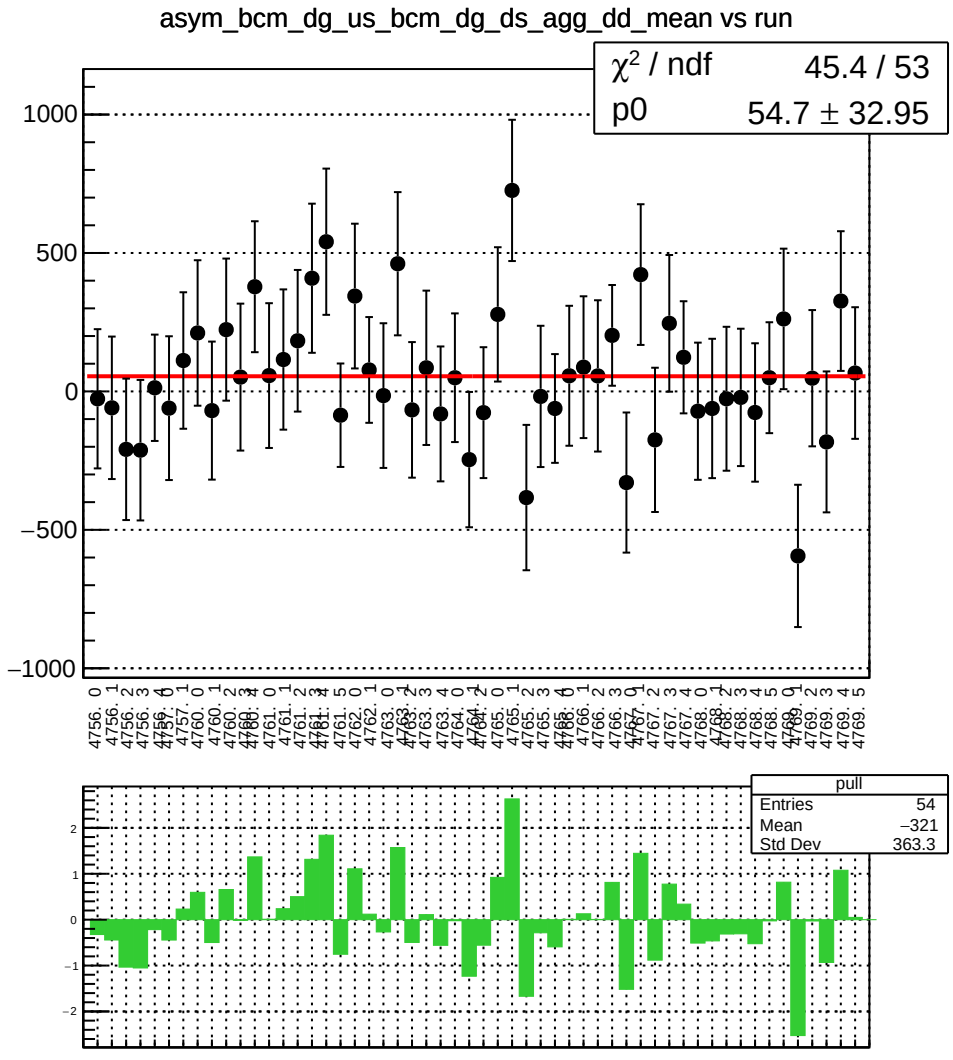

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 66.98 / 53
p0 −20.78 ± 19.98
pull
Entries 54
Mean 93.5
Std Dev 81.31

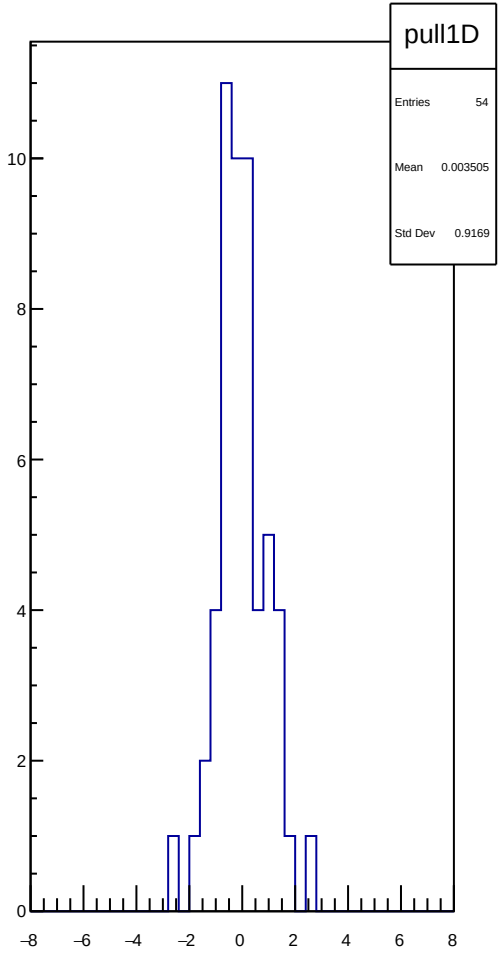

pull1D
Entries 54
Mean −0.01189
Std Dev 1.114

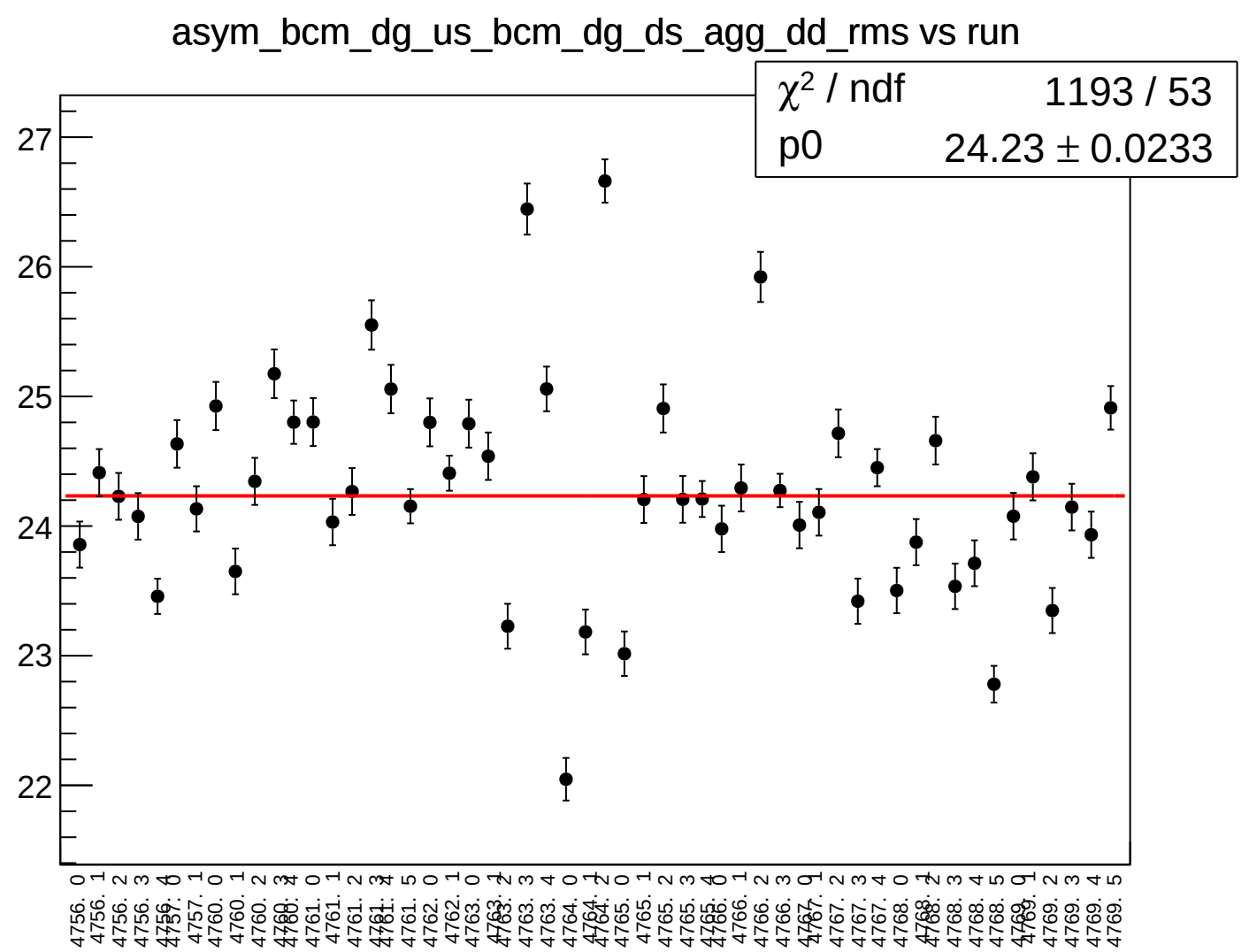

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 828 / 53
p0 14.7 ± 0.01413
16
15.5
15
14.5
14

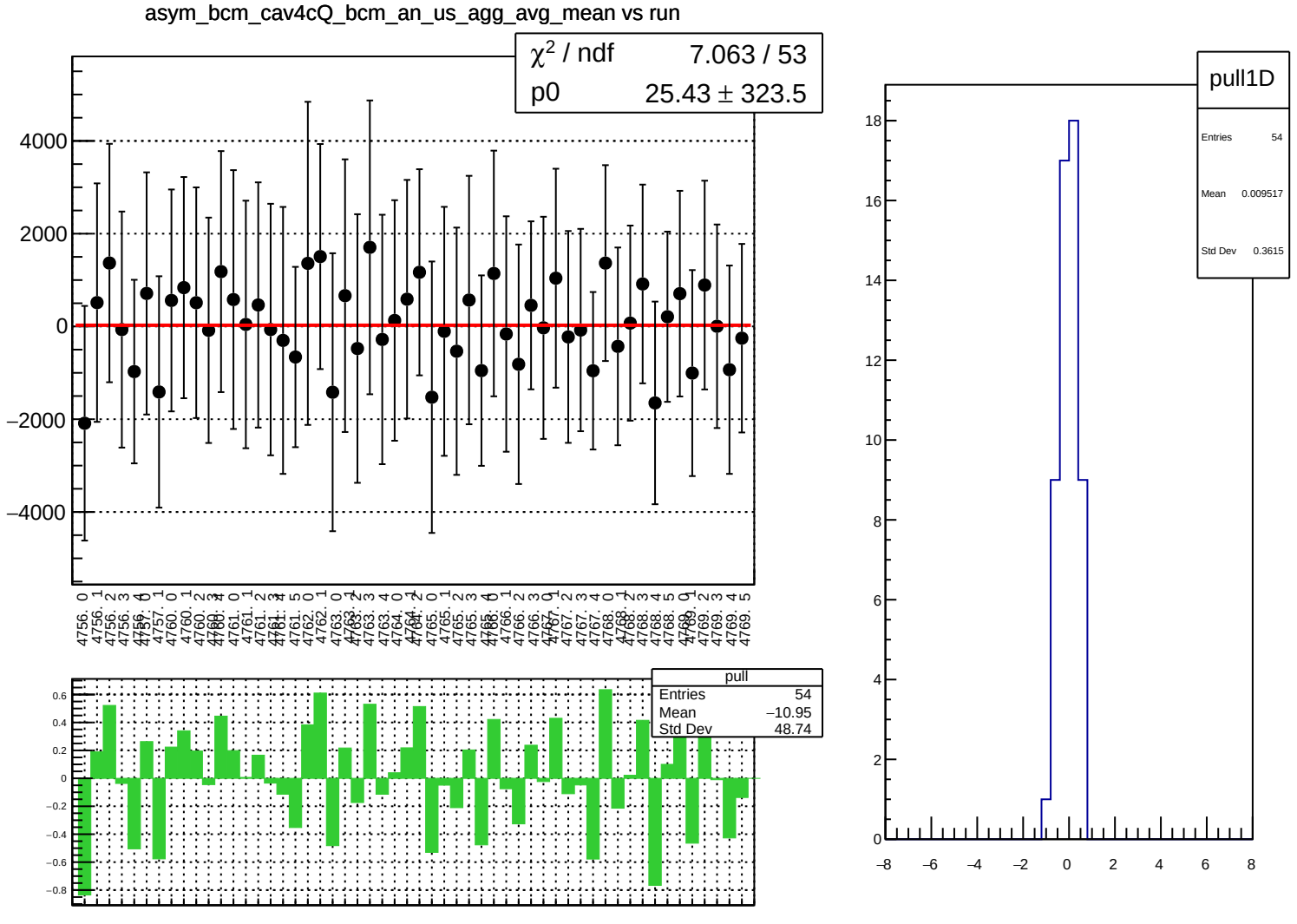

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.994 / 53
p0 46.19 ± 313.2
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −31.7
Std Dev 68.34
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.008146
Std Dev 0.3331
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

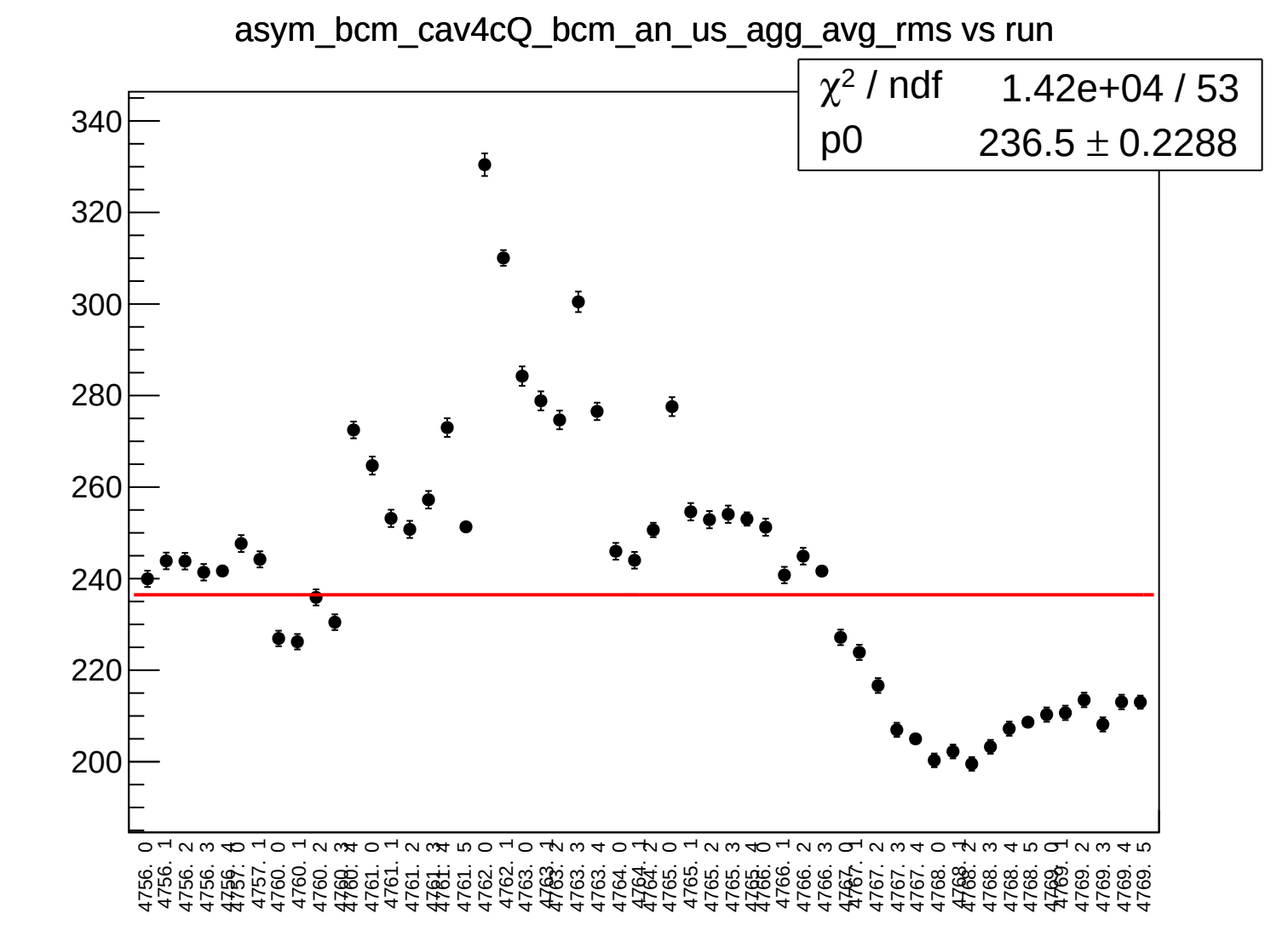

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.399e+04 / 53
p0 229 ± 0.2215
320
300
280
260
240
220
200
180
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

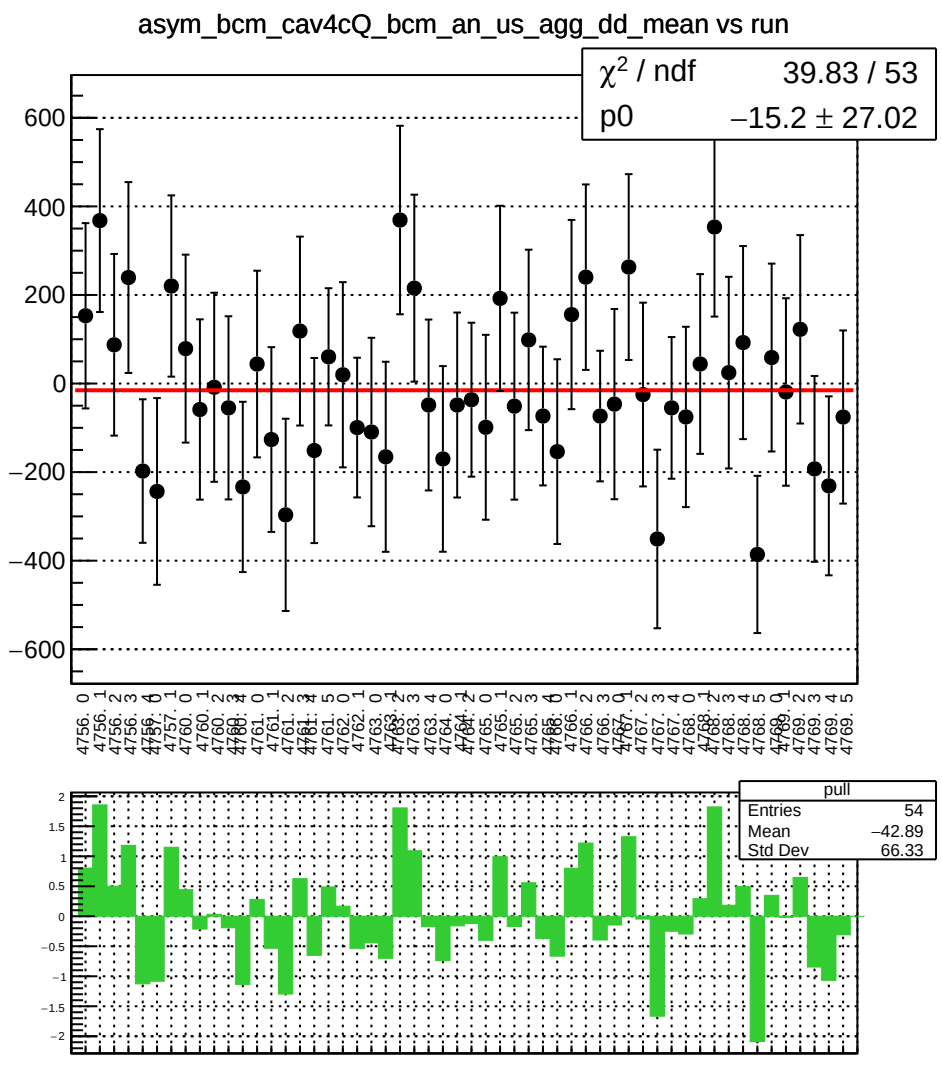

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 45.4 / 53
p0 54.7 ± 32.95
1000
500
0
−500
−1000
pull
Entries 54
Mean −321
Std Dev 363.3
2
1
0
−1
−2

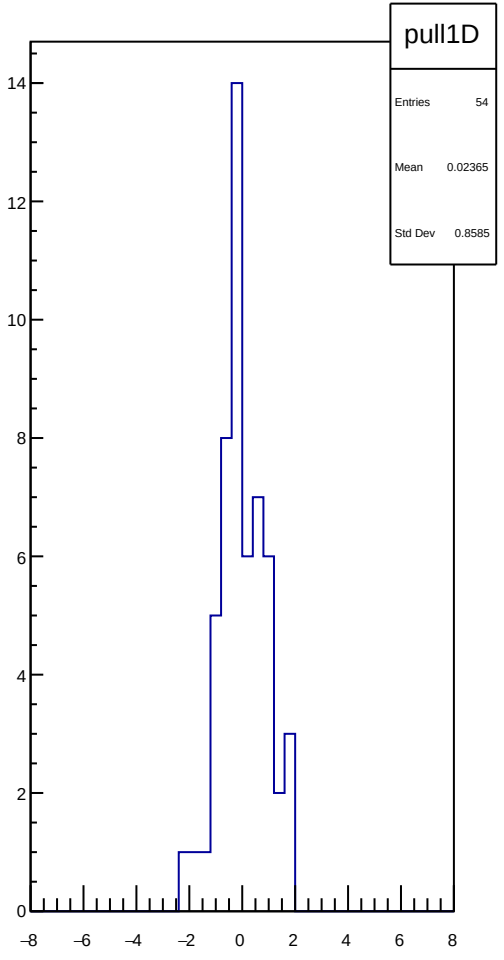

pull1D
Entries 54
Mean 0.003505
Std Dev 0.9169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

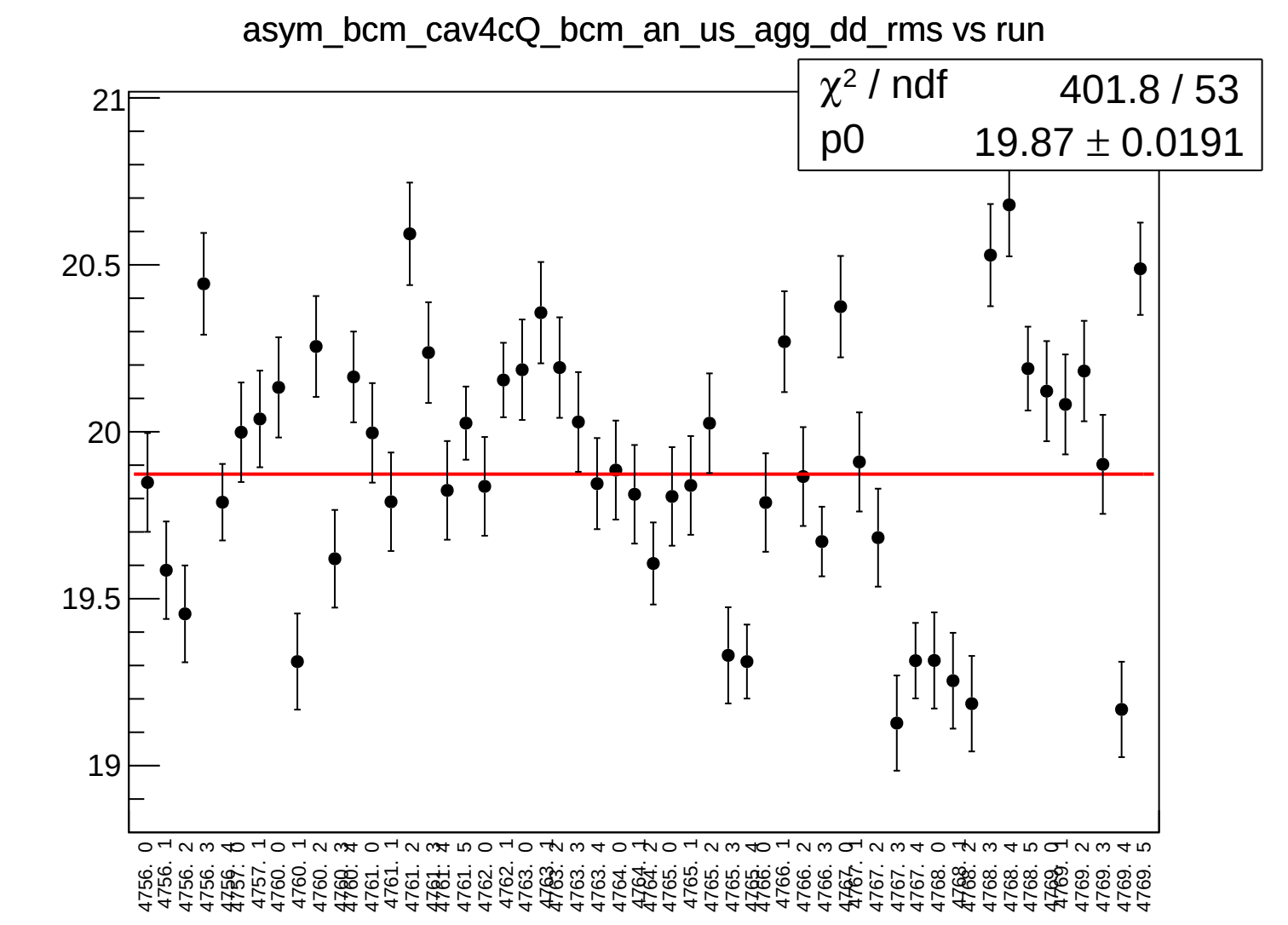

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1193 / 53
p0 24.23 ± 0.0233
27
26
25
24
23
22
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

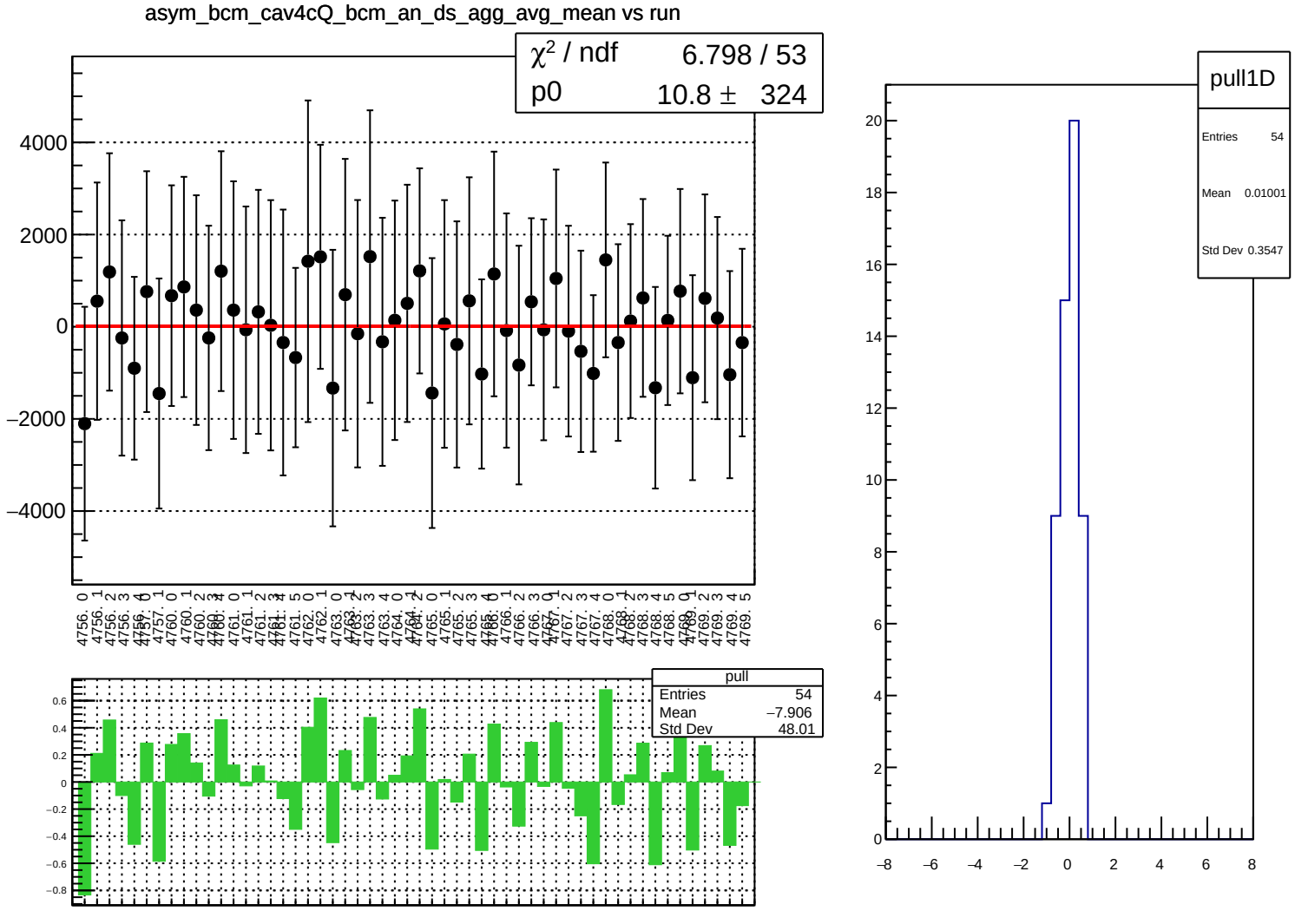

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 7.063 / 53
p0 25.43 ± 323.5
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −10.95
Std Dev 48.74
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.009517
Std Dev 0.3615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

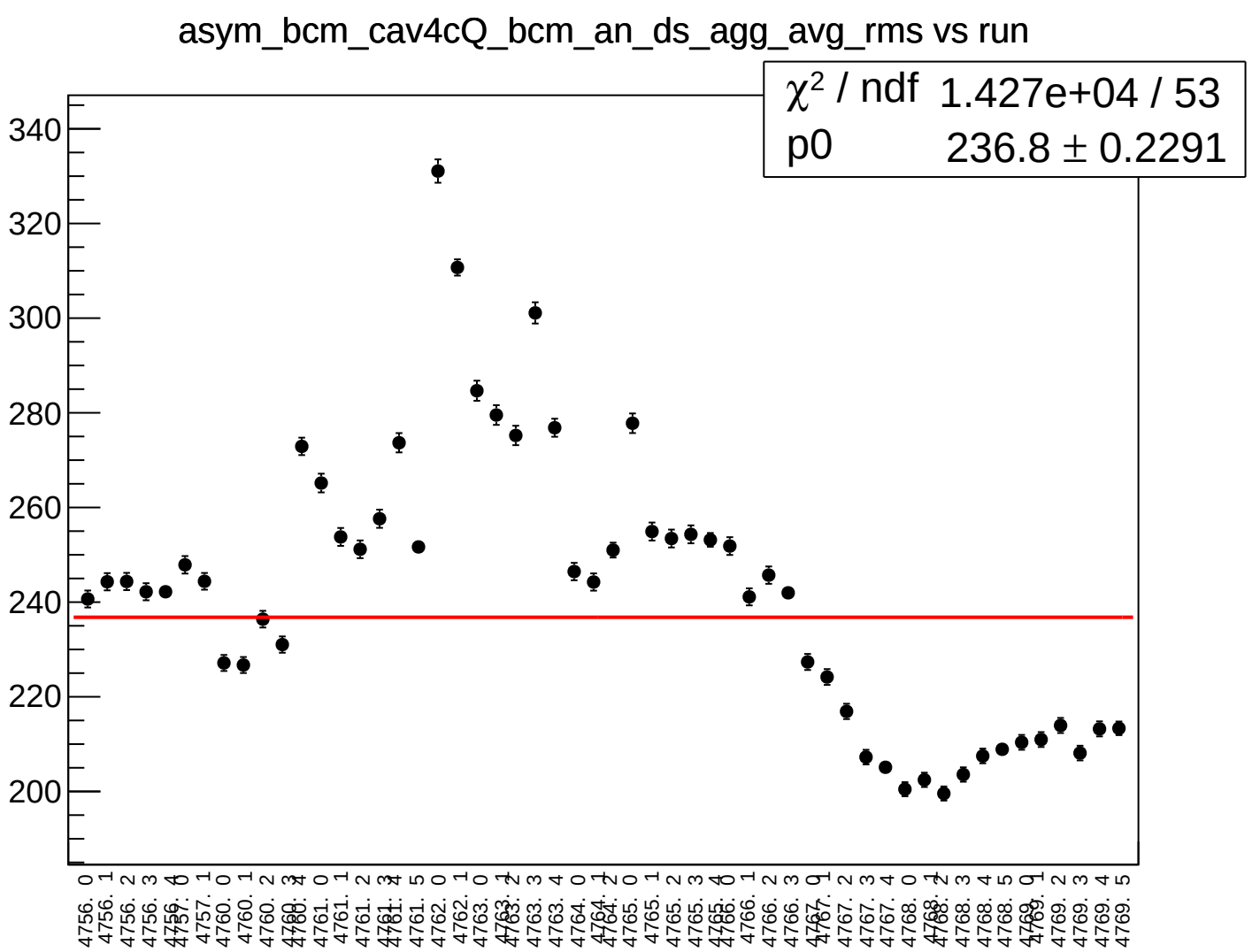

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 1.42e+04 / 53
p0 236.5 ± 0.2288
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

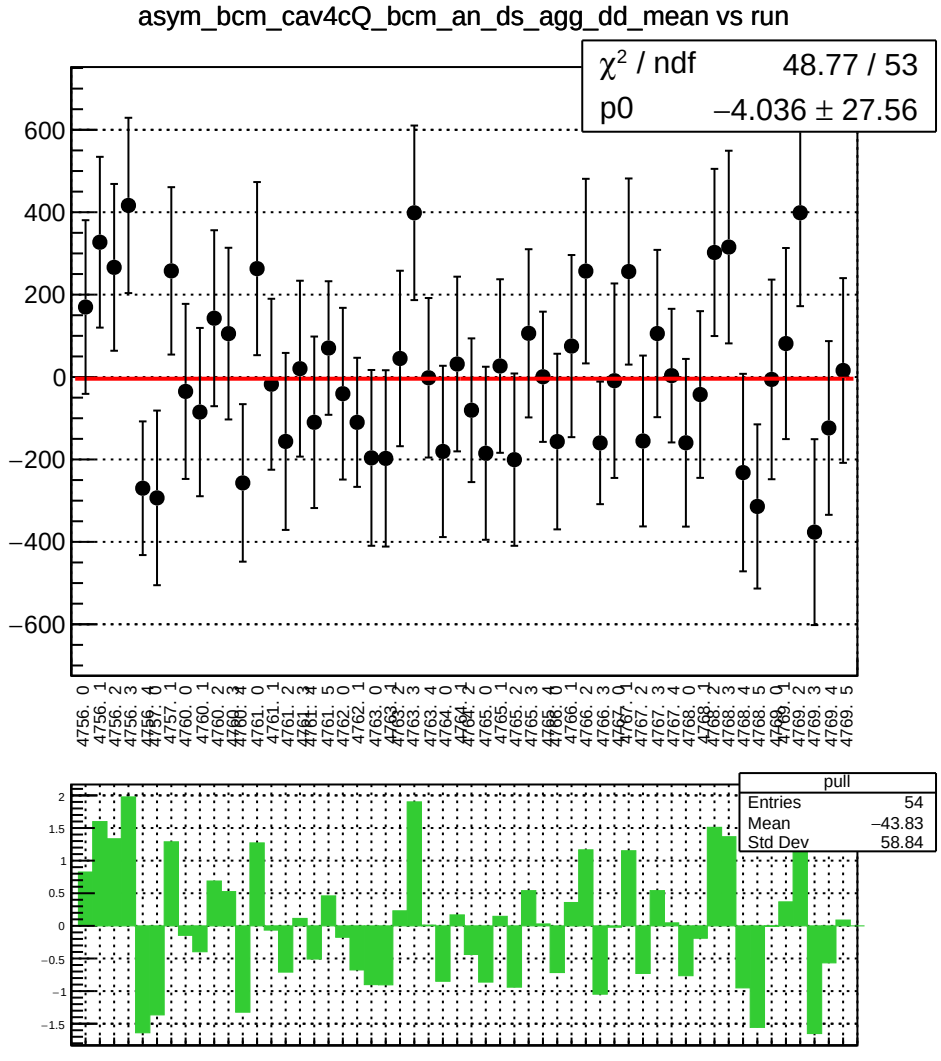

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 39.83 / 53
p0 −15.2 ± 27.02
pull
Entries 54
Mean −42.89
Std Dev 66.33

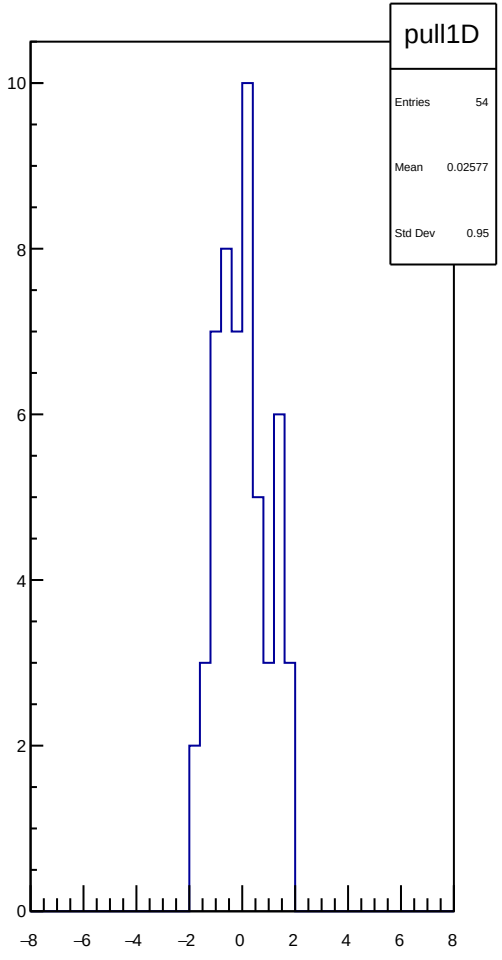

pull1D
Entries 54
Mean 0.02365
Std Dev 0.8585

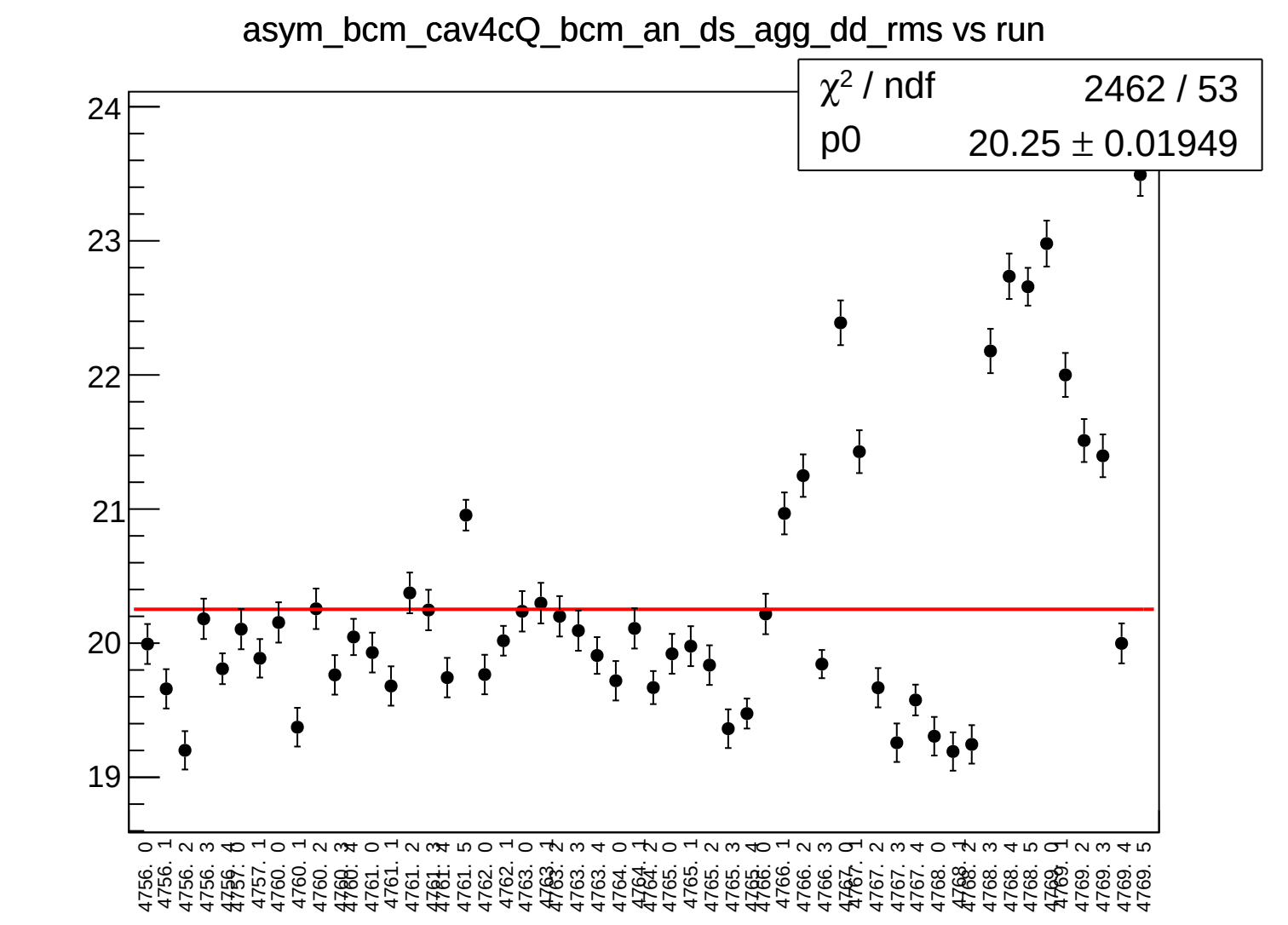

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 401.8 / 53
p0 19.87 ± 0.0191
21
20.5
20
19.5
19
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

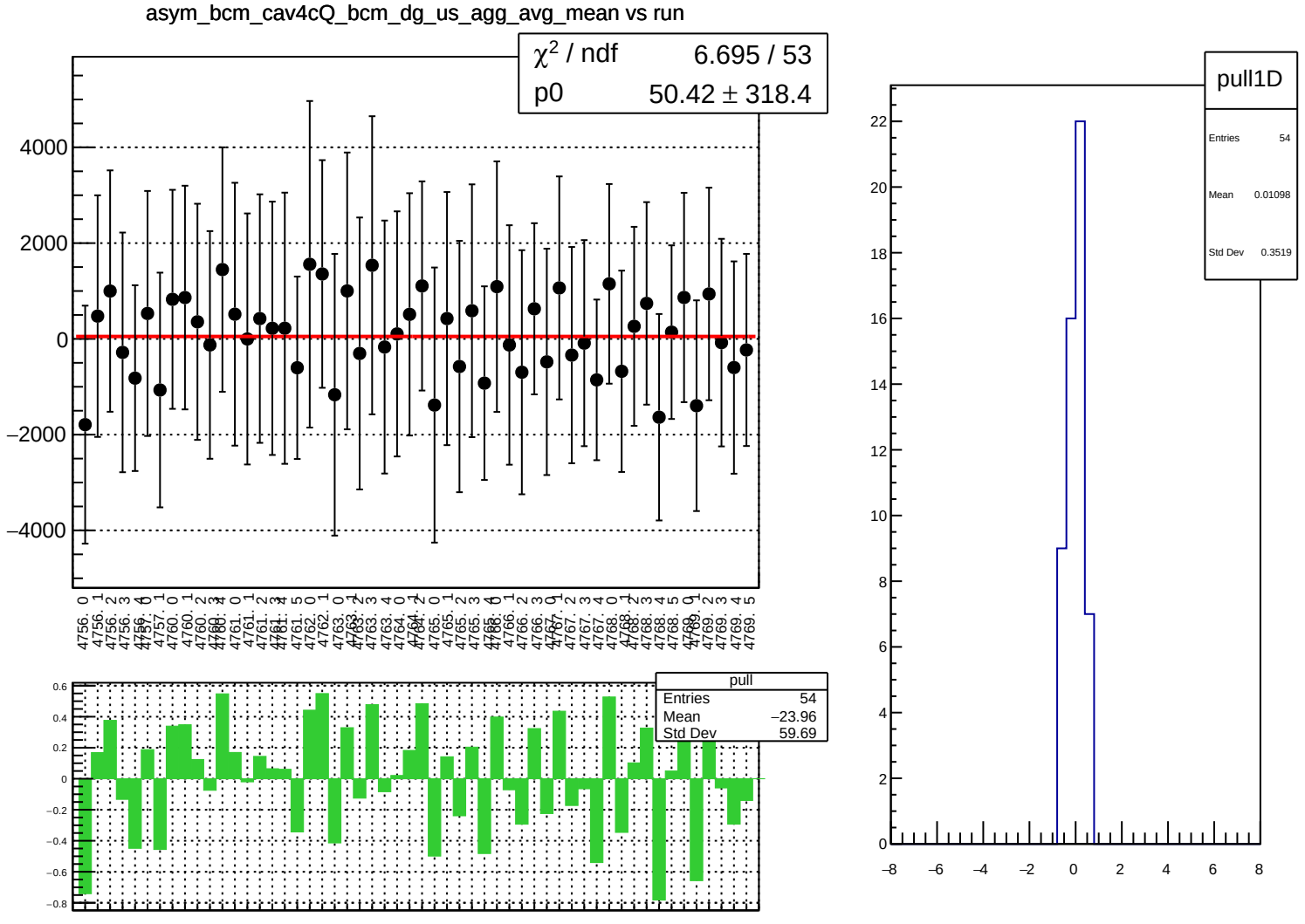

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 6.798 / 53
p0 10.8 ± 324
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −7.906
Std Dev 48.01
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.01001
Std Dev 0.3547
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

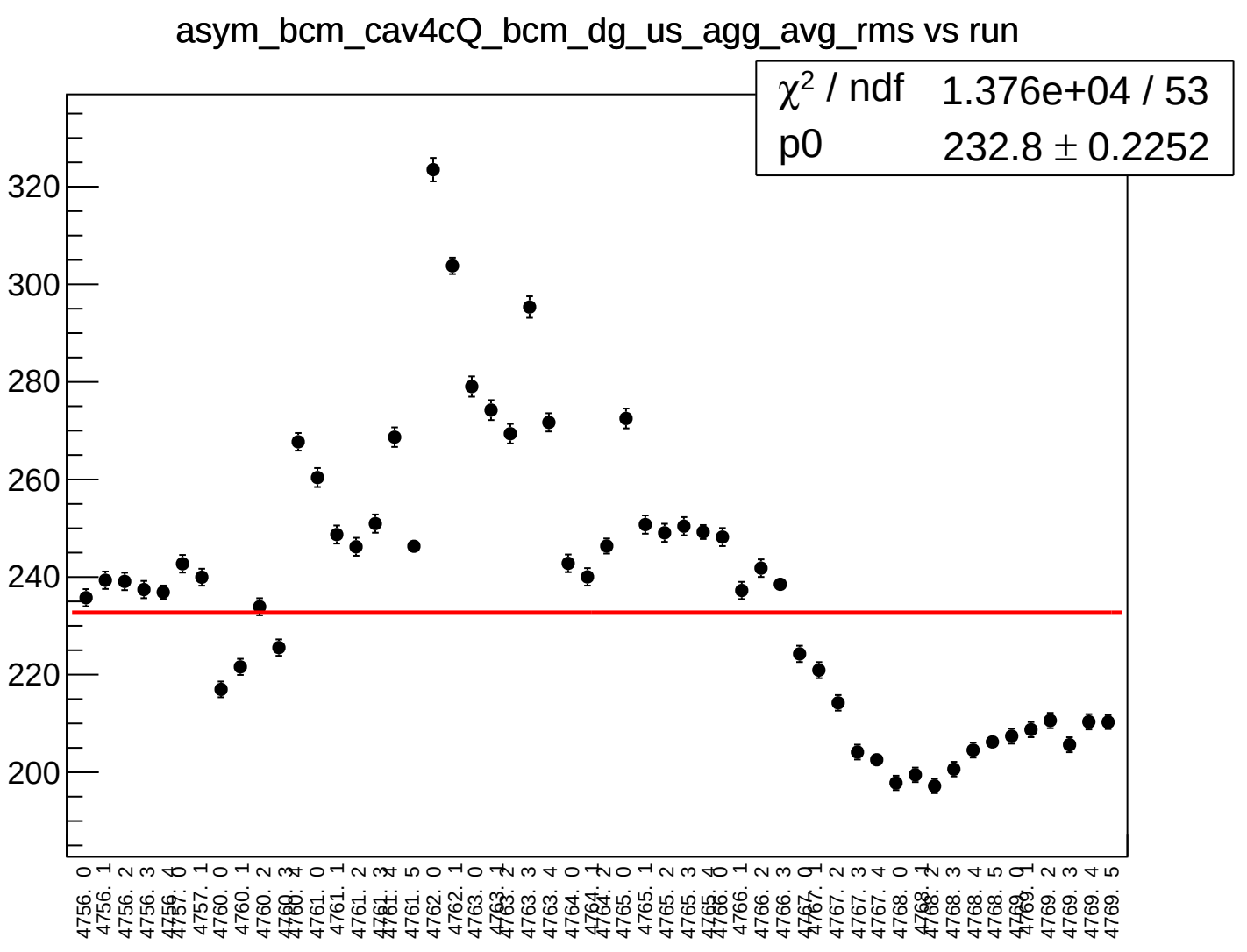

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 1.427e+04 / 53
p0 236.8 ± 0.2291
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 48.77 / 53
p0 −4.036 ± 27.56
pull
Entries 54
Mean −43.83
Std Dev 58.84


pull1D
Entries 54
Mean 0.02577
Std Dev 0.95


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2462 / 53
p0 20.25 ± 0.01949
24
23
22
21
20
19
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 6.695 / 53
p0 50.42 ± 318.4
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −23.96
Std Dev 59.69
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.01098
Std Dev 0.3519
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 1.376e+04 / 53
p0 232.8 ± 0.2252
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
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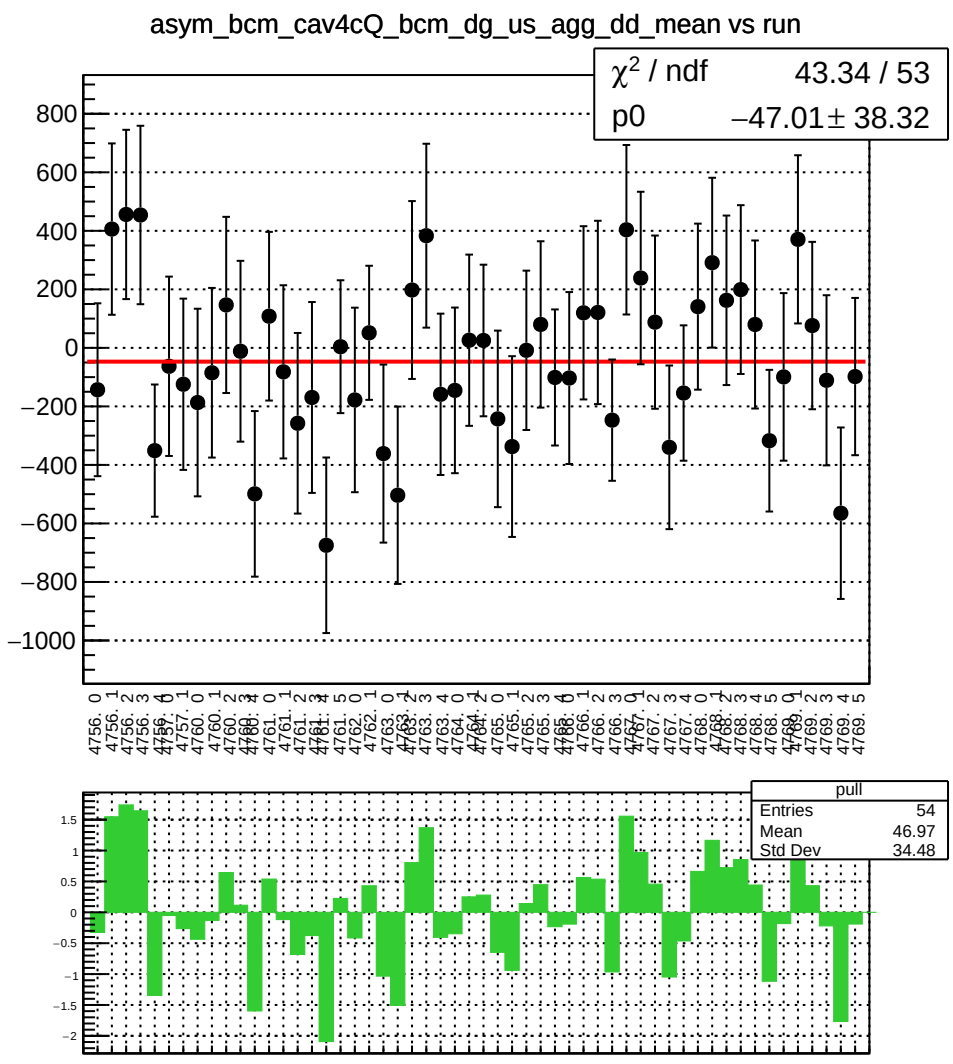
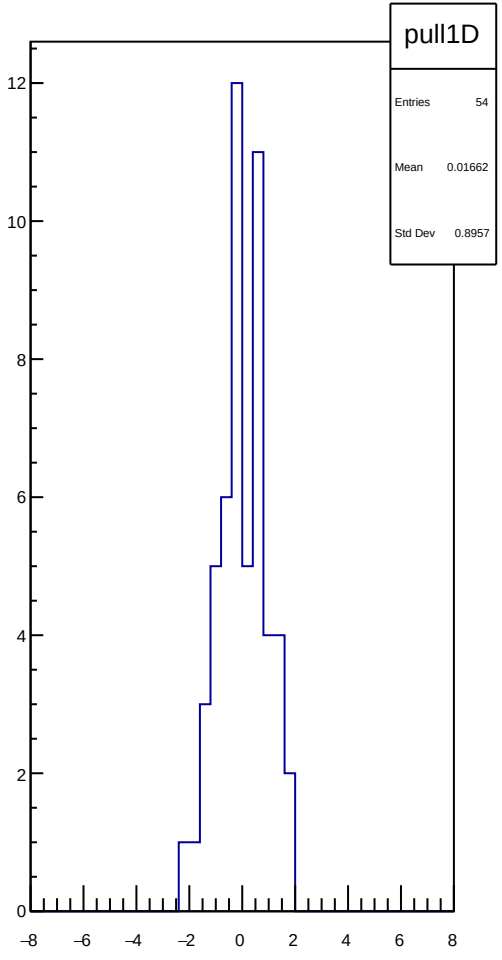
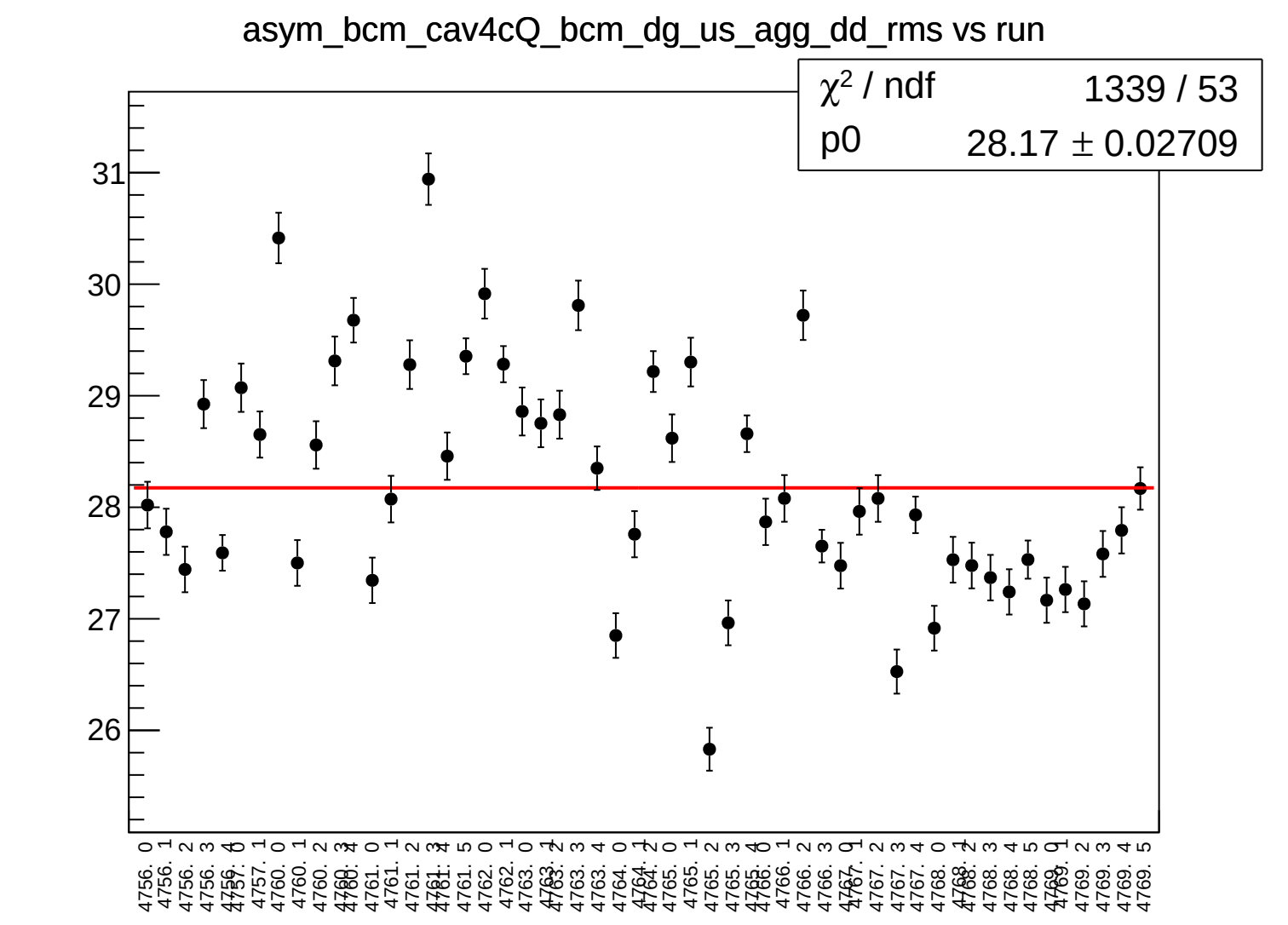
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 43.34 / 53
p0 −47.01 ± 38.32
pull
Entries 54
Mean 46.97
Std Dev 34.48


pull1D
Entries 54
Mean 0.01662
Std Dev 0.8957


asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 1339 / 53
p0 28.17 ± 0.02709
31
30
29
28
27
26
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
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4764. 1
4764. 2
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4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
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4767. 0
4767. 1
4767. 2
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4767. 4
4768. 0
4768. 1
4768. 2
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4768. 4
4768. 5
4769. 0
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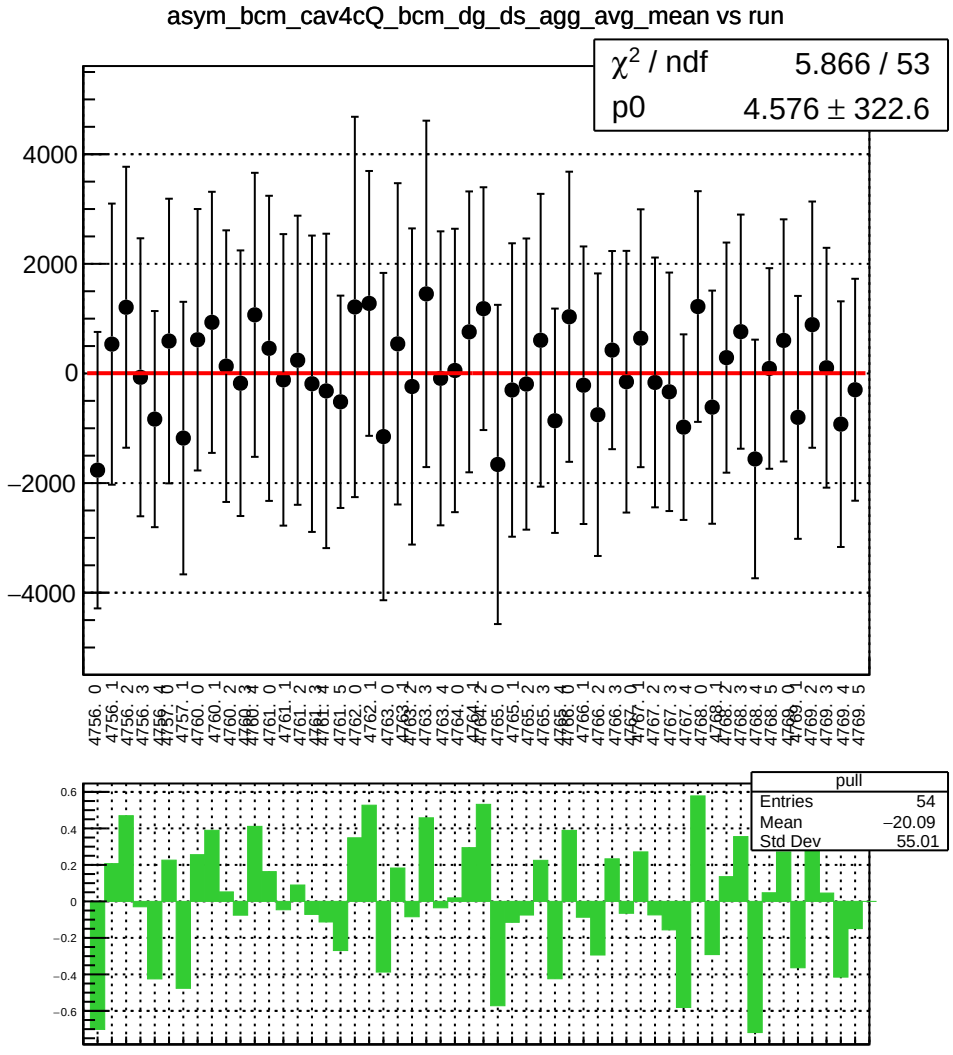
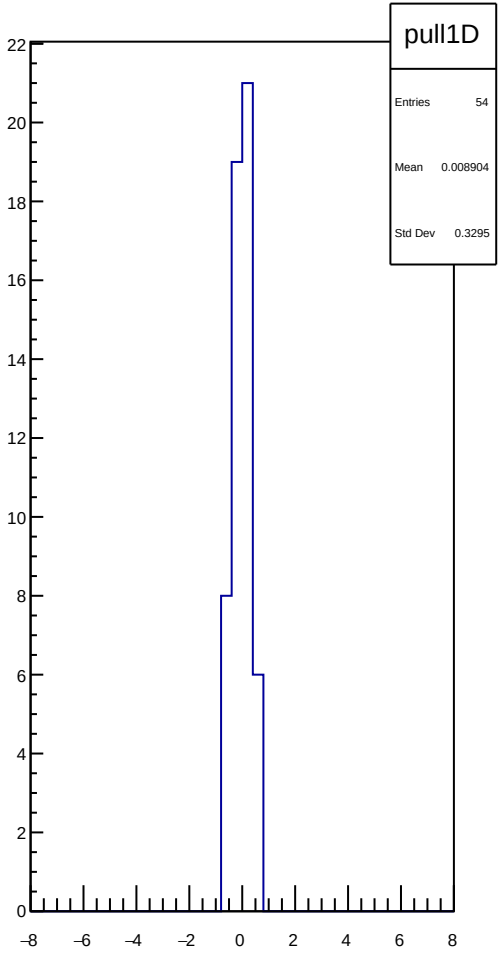
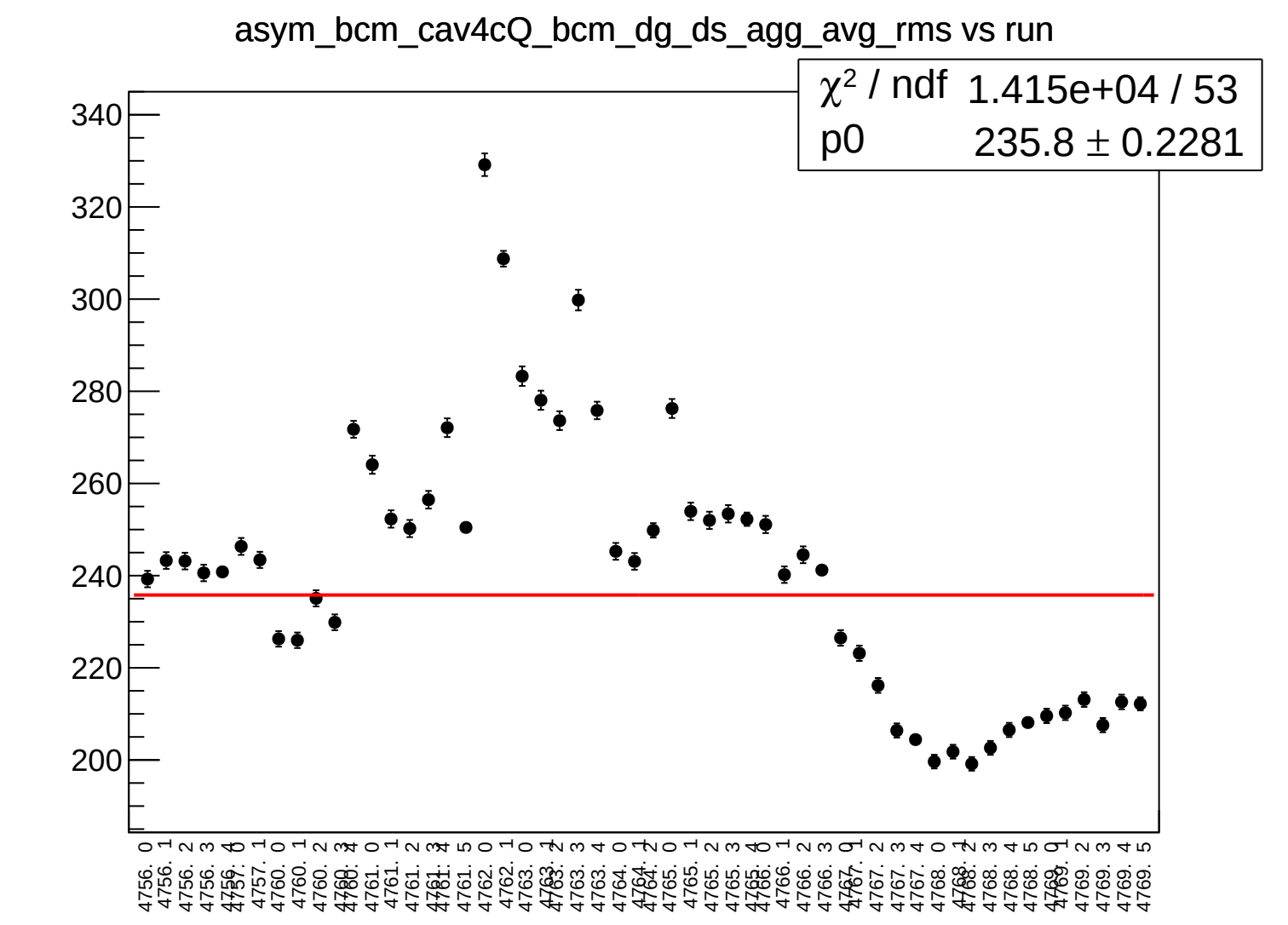
4769. 2
4769. 3
4769. 4
4769. 5


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 5.866 / 53
p0 4.576 ± 322.6
pull
Entries 54
Mean −20.09
Std Dev 55.01


pull1D
Entries 54
Mean 0.008904
Std Dev 0.3295


asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 1.415e+04 / 53
p0 235.8 ± 0.2281
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
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4764. 1
4764. 2
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4765. 5
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4766. 2
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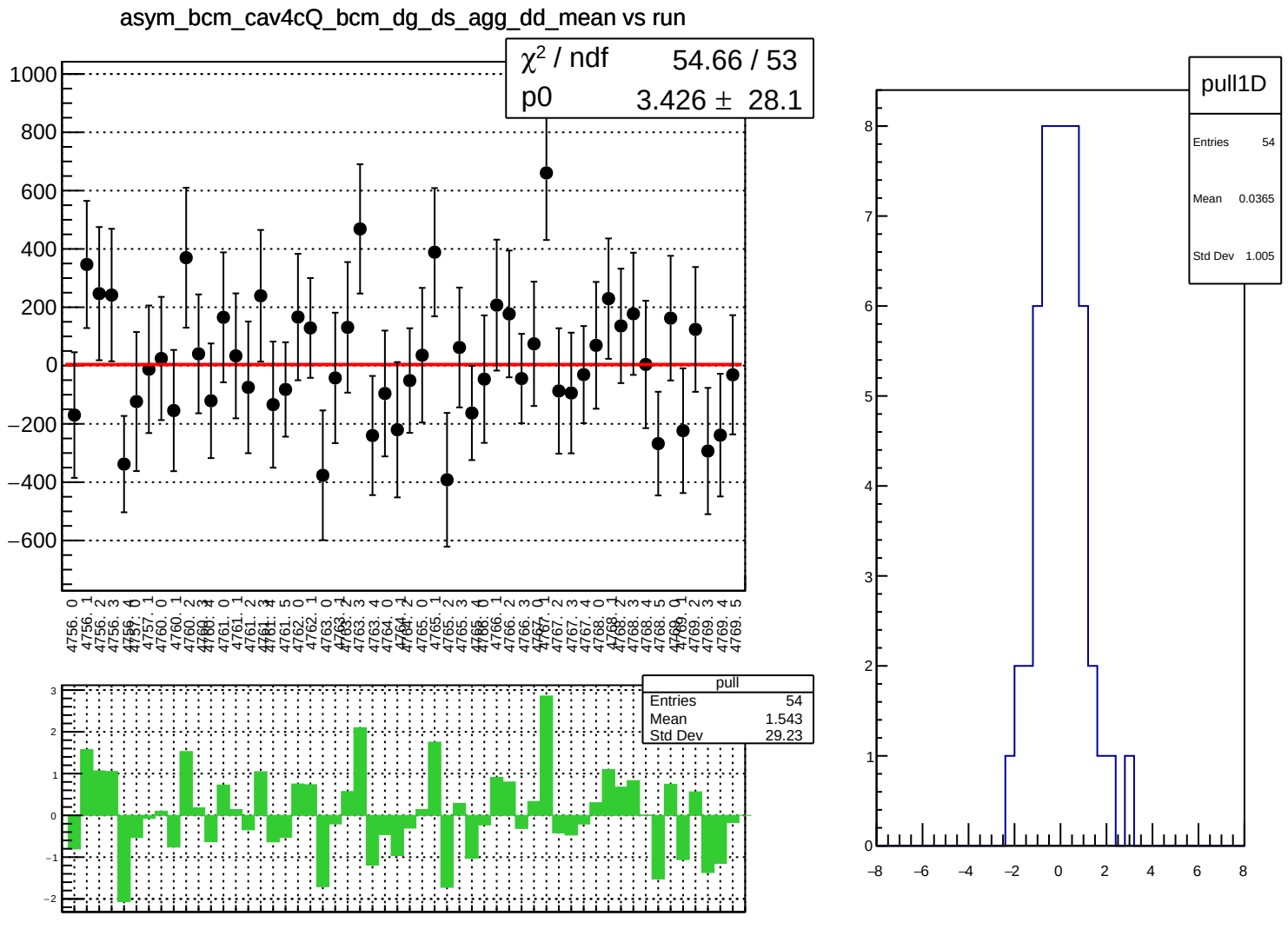
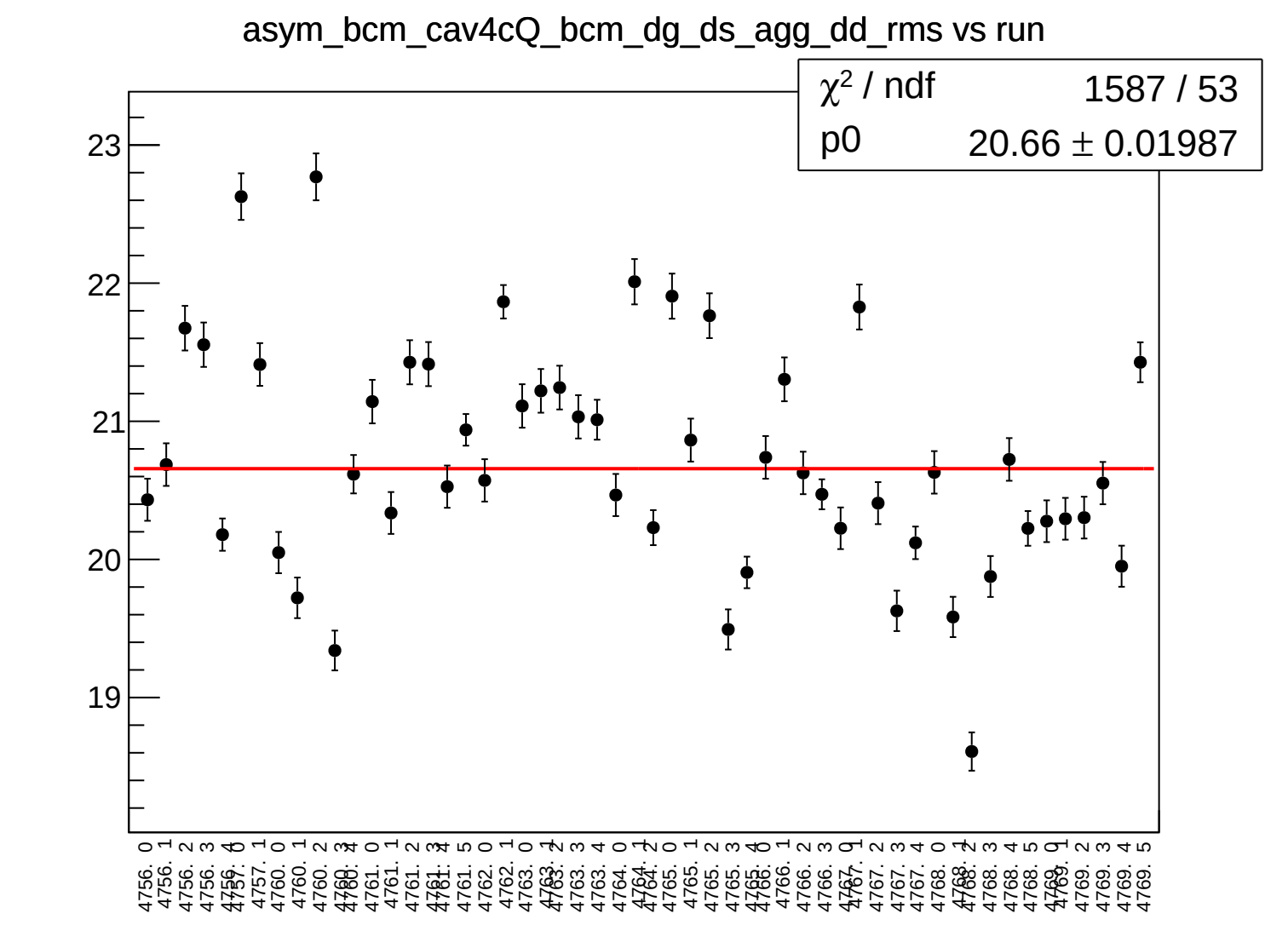
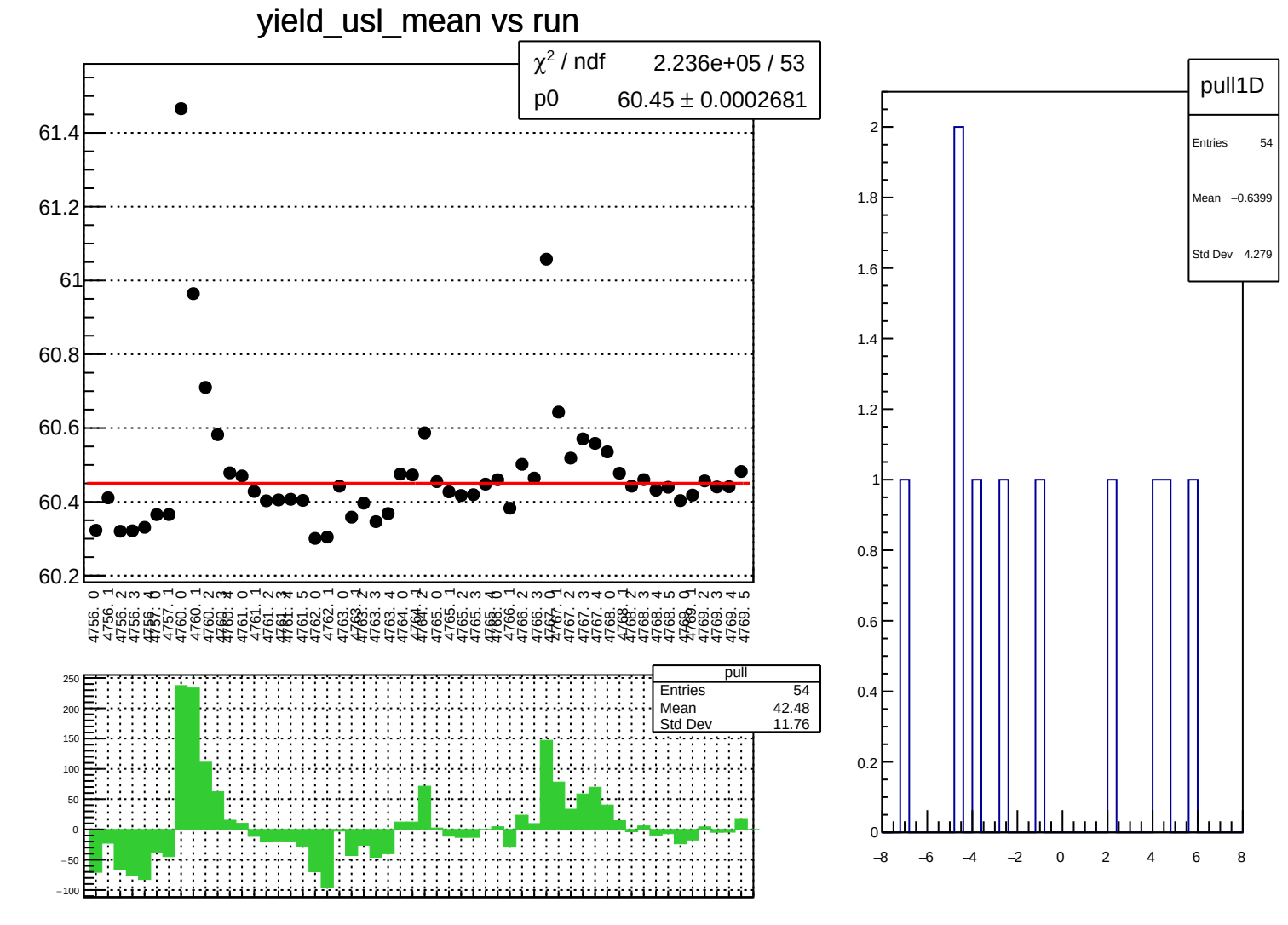
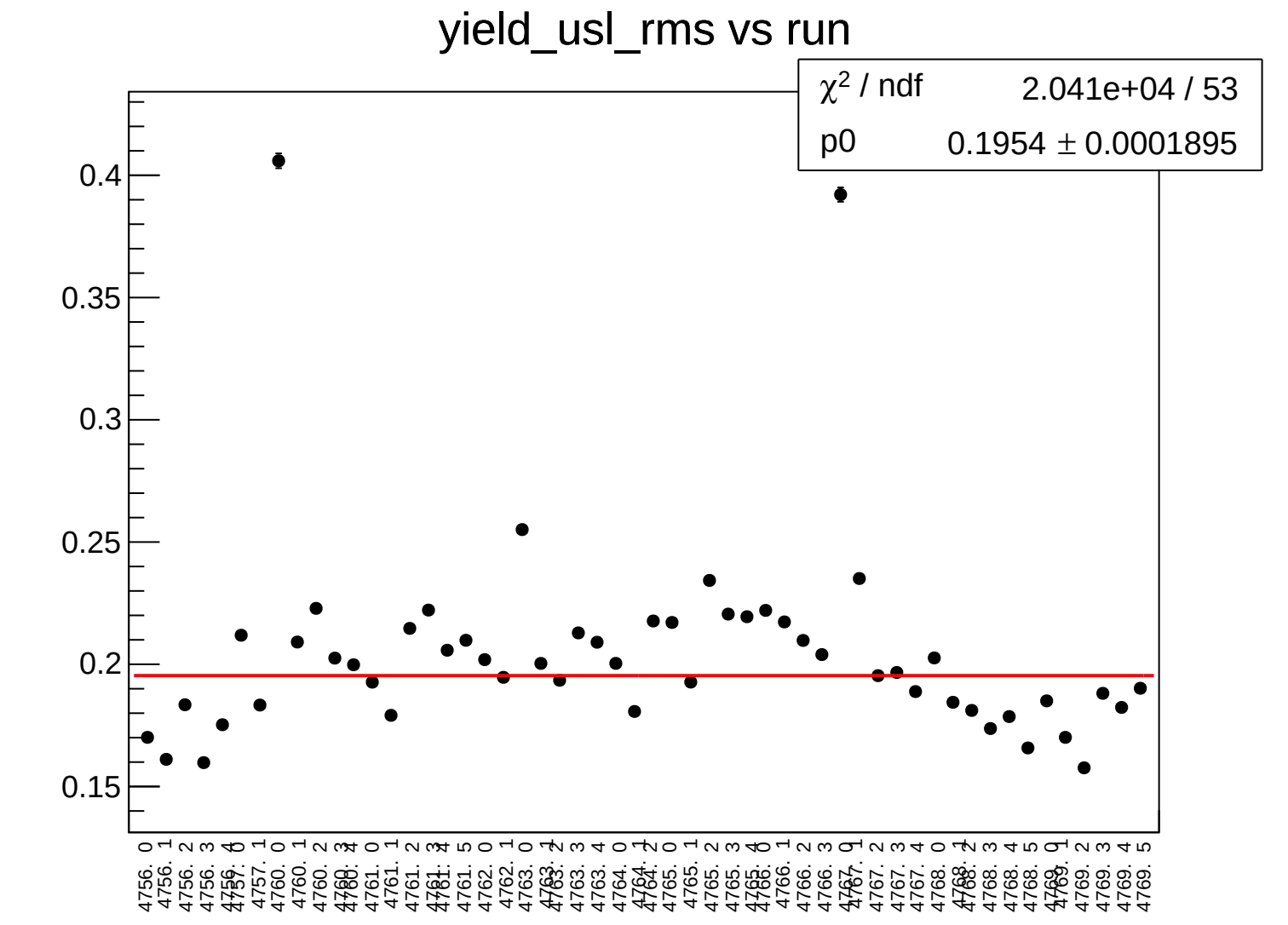
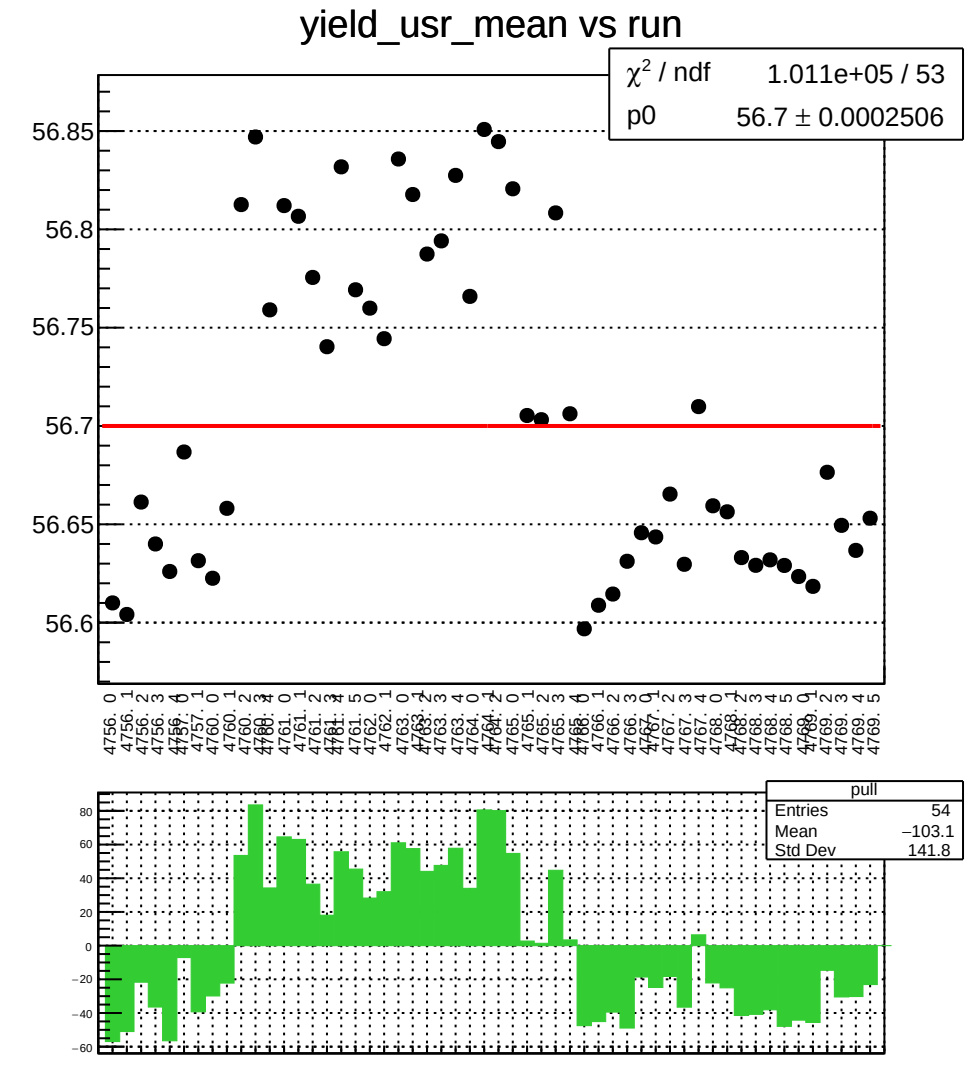
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

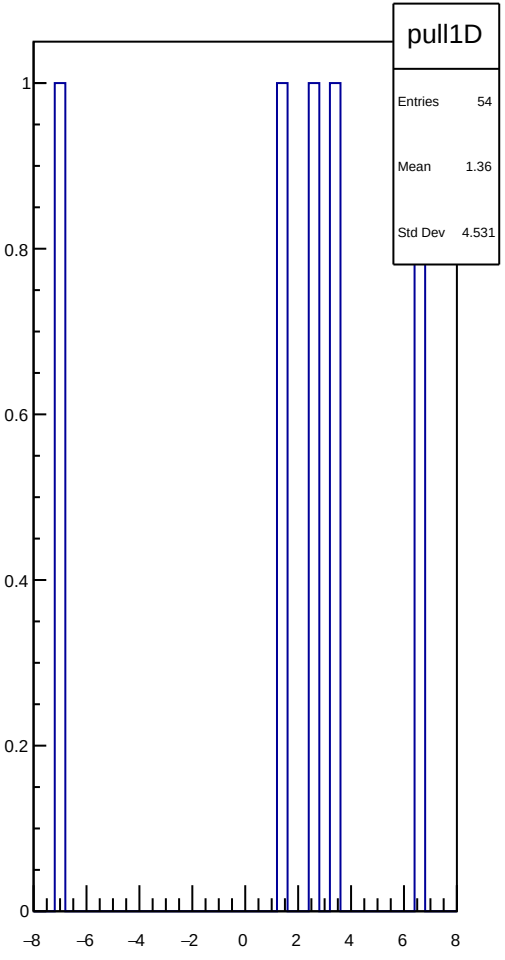

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 54.66 / 53
p0 3.426 ± 28.1
pull
Entries 54
Mean 1.543
Std Dev 29.23
pull1D
Entries 54
Mean 0.0365
Std Dev 1.005

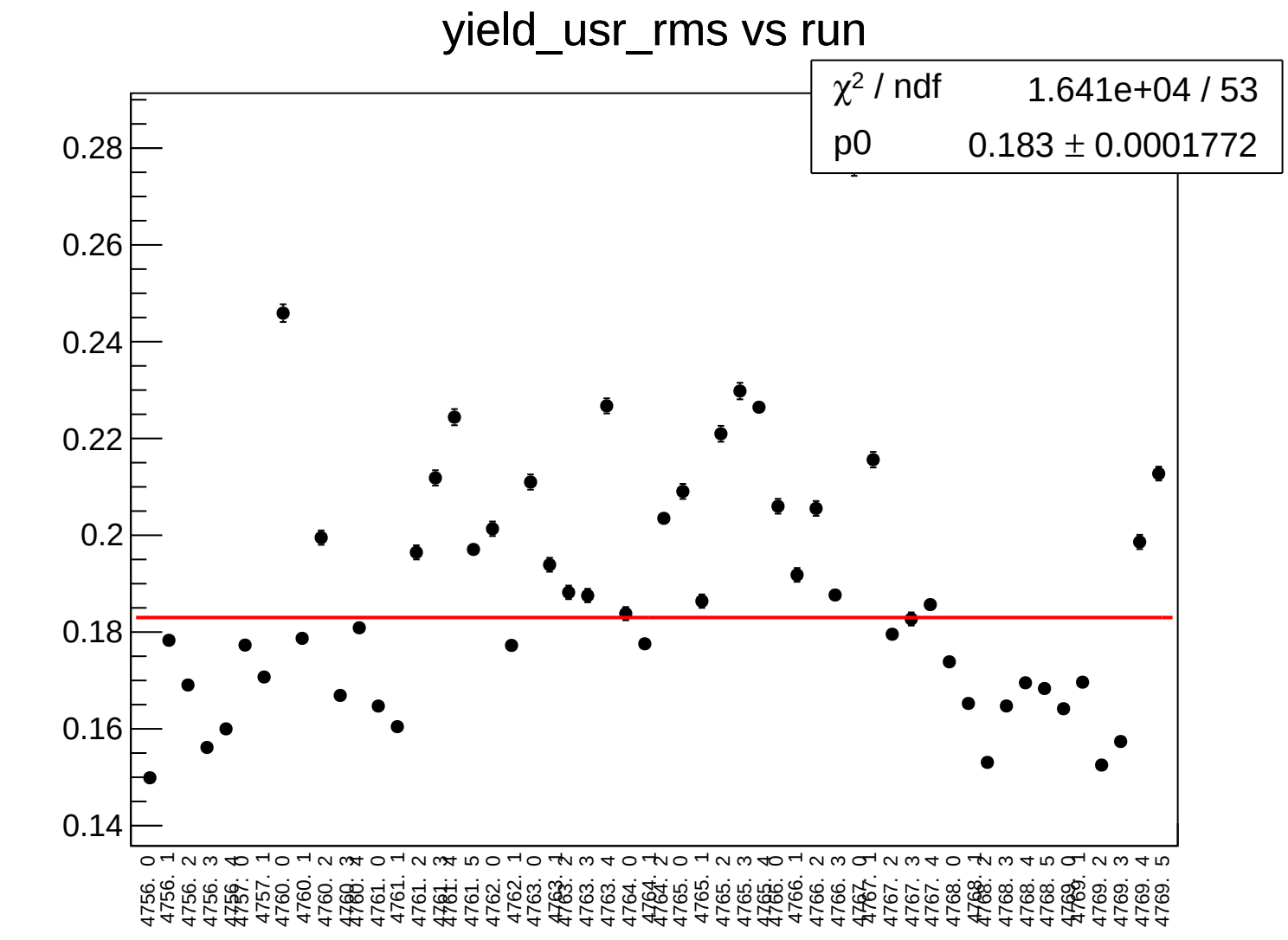

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1587 / 53
p0 20.66 ± 0.01987
23
22
21
20
19
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

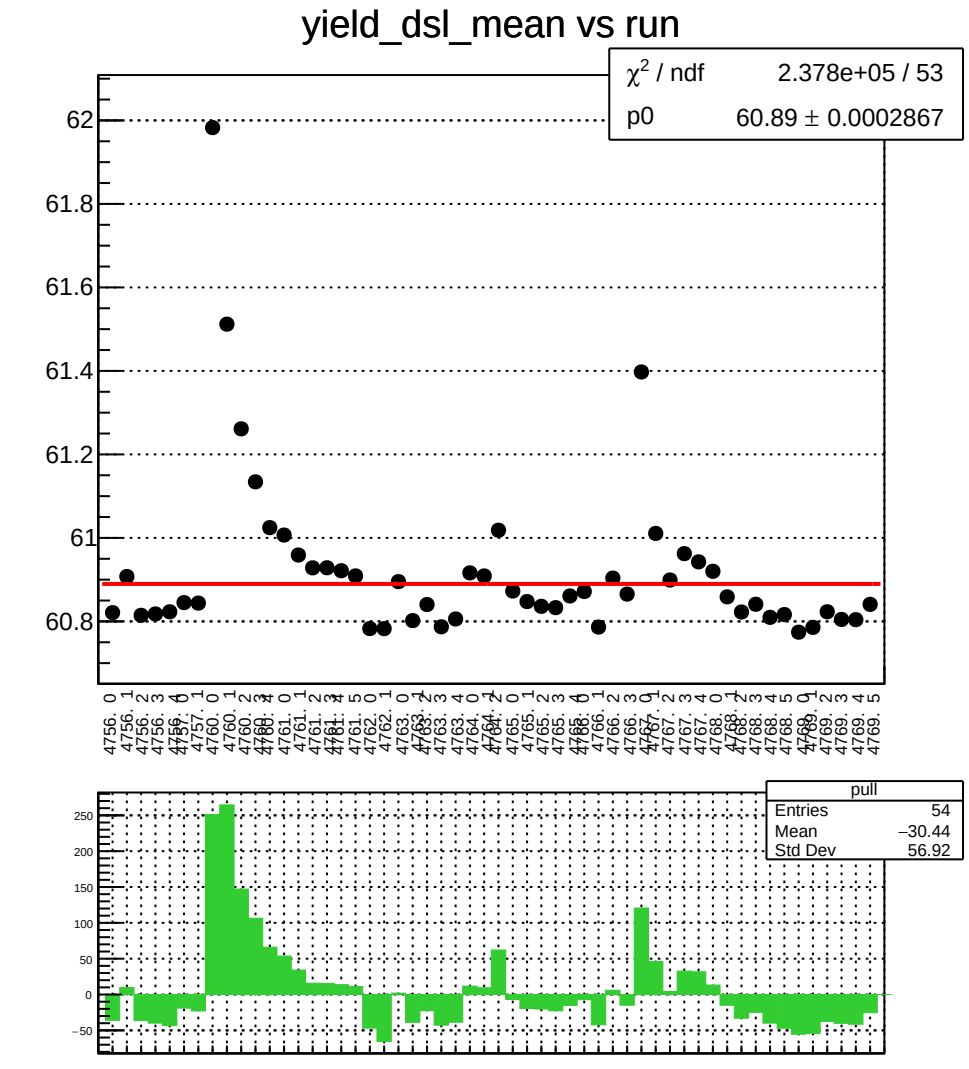

yield_usl_mean vs run
χ² / ndf 2.236e+05 / 53
p0 60.45 ± 0.0002681
pull
Entries 54
Mean 42.48
Std Dev 11.76
pull1D
Entries 54
Mean −0.6399
Std Dev 4.279

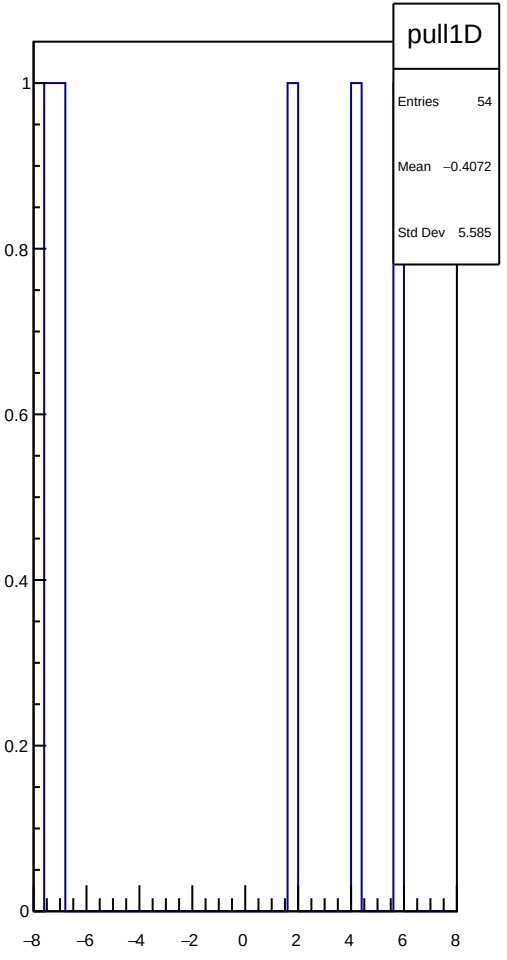

yield_usl_rms vs run
χ² / ndf 2.041e+04 / 53
p0 0.1954 ± 0.0001895
0.4
0.35
0.3
0.25
0.2
0.15

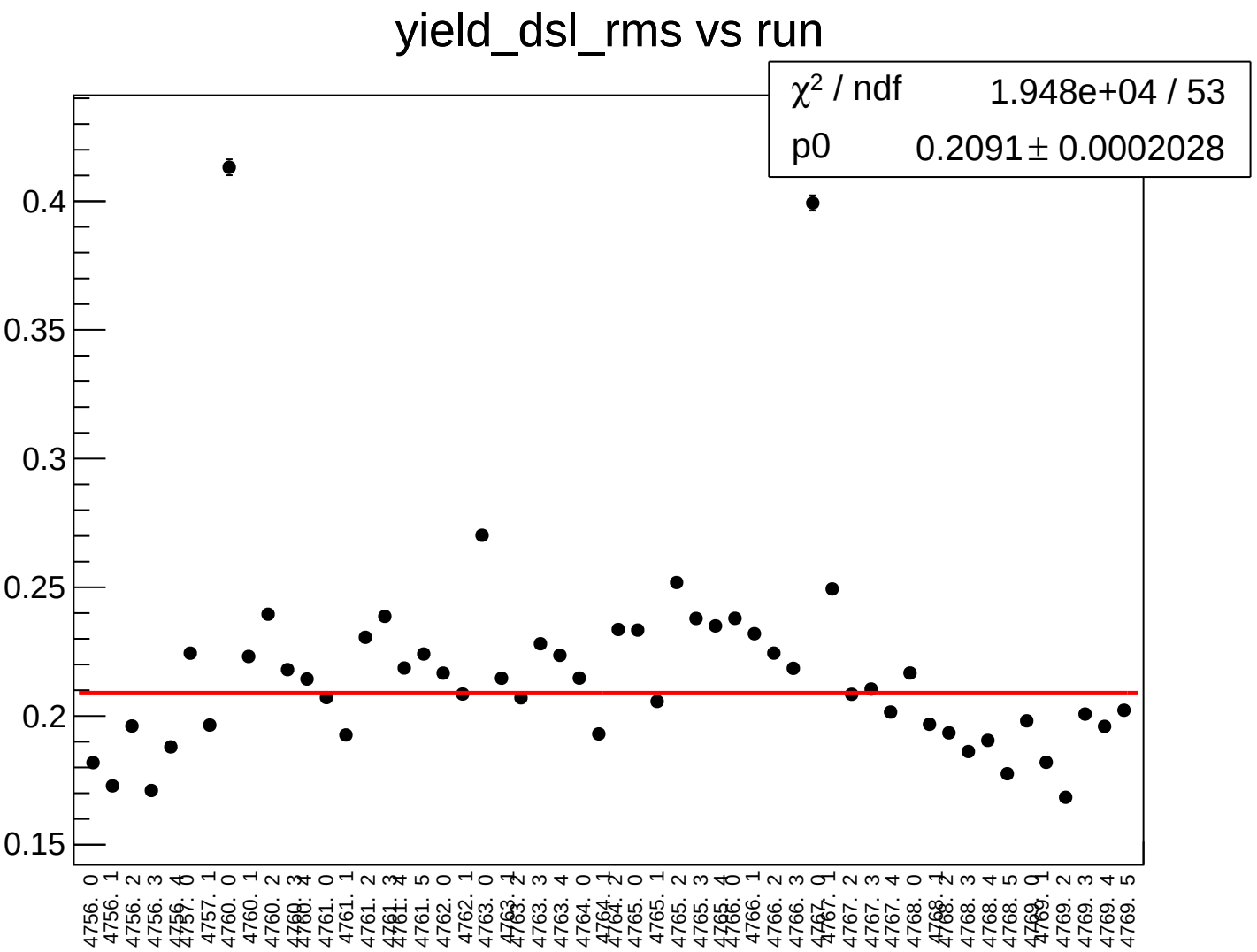

yield_usr_mean vs run
χ² / ndf 1.011e+05 / 53
p0 56.7 ± 0.0002506
56.85
56.8
56.75
56.7
56.65
56.6
pull
Entries 54
Mean −103.1
Std Dev 141.8
80
60
40
20
0
−20
−40
−60

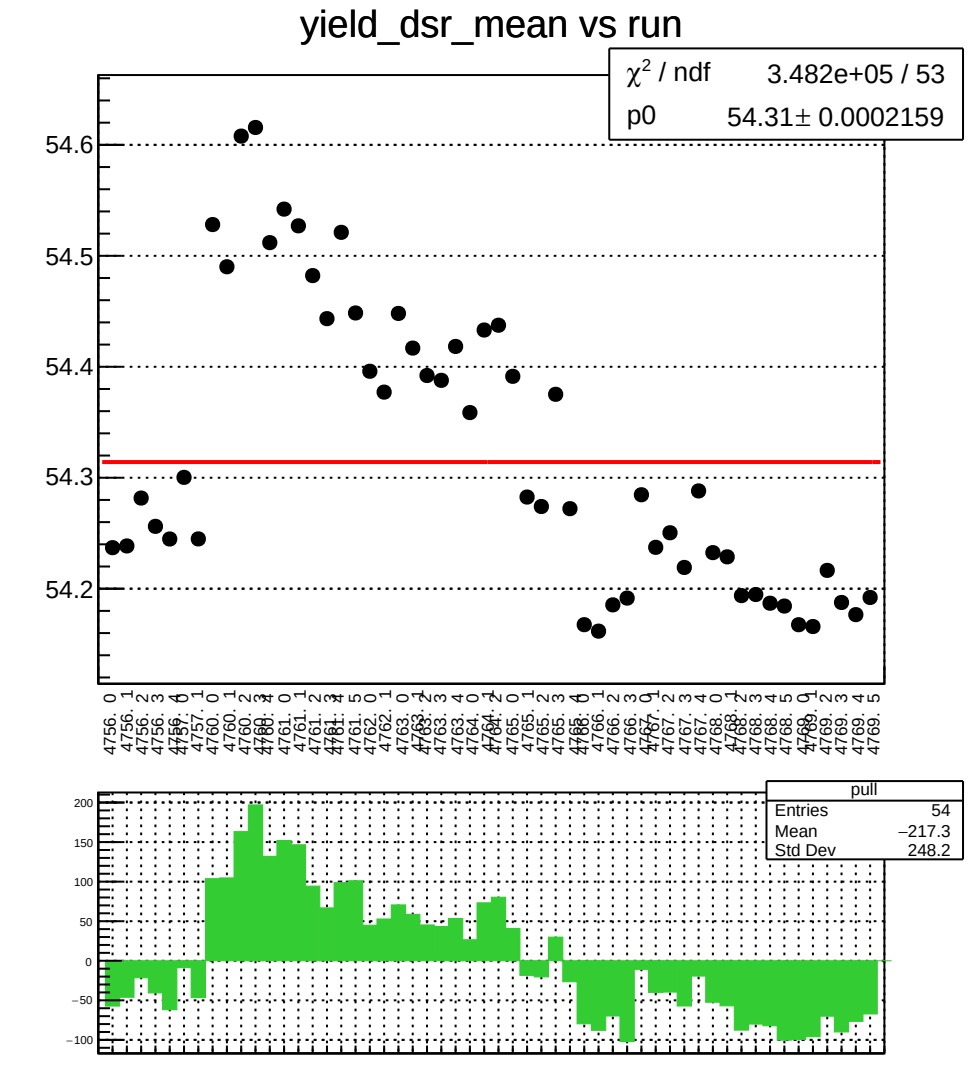

pull1D
Entries 54
Mean 1.36
Std Dev 4.531
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

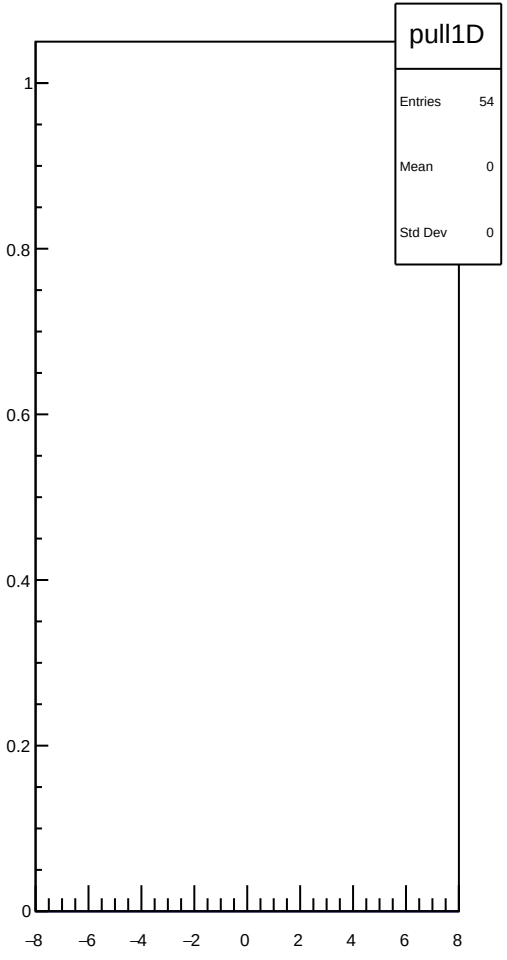

yield_usr_rms vs run
χ² / ndf 1.641e+04 / 53
p0 0.183 ± 0.0001772
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

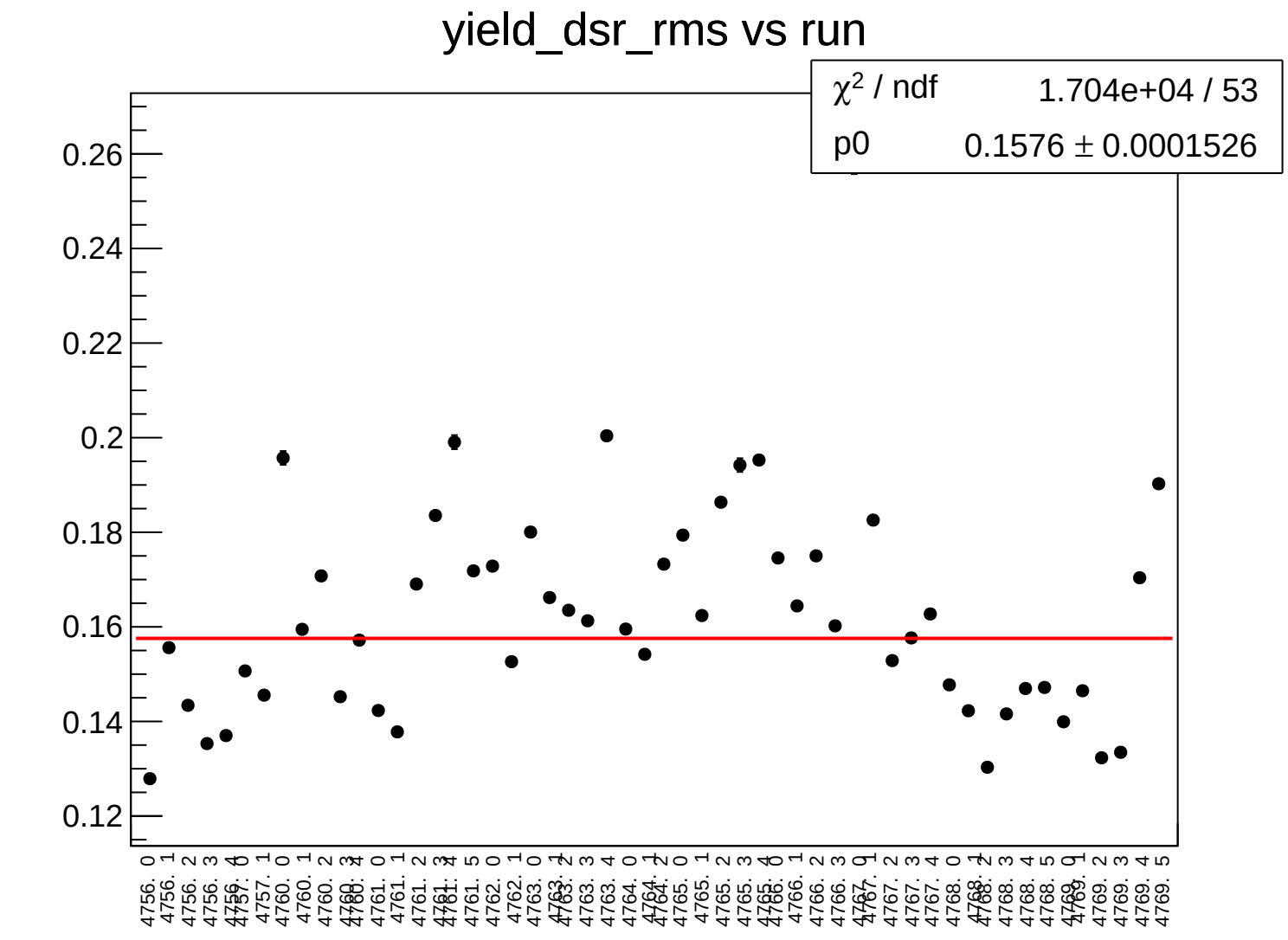

yield_dsl_mean vs run
χ² / ndf 2.378e+05 / 53
p0 60.89 ± 0.0002867
pull
Entries 54
Mean −30.44
Std Dev 56.92

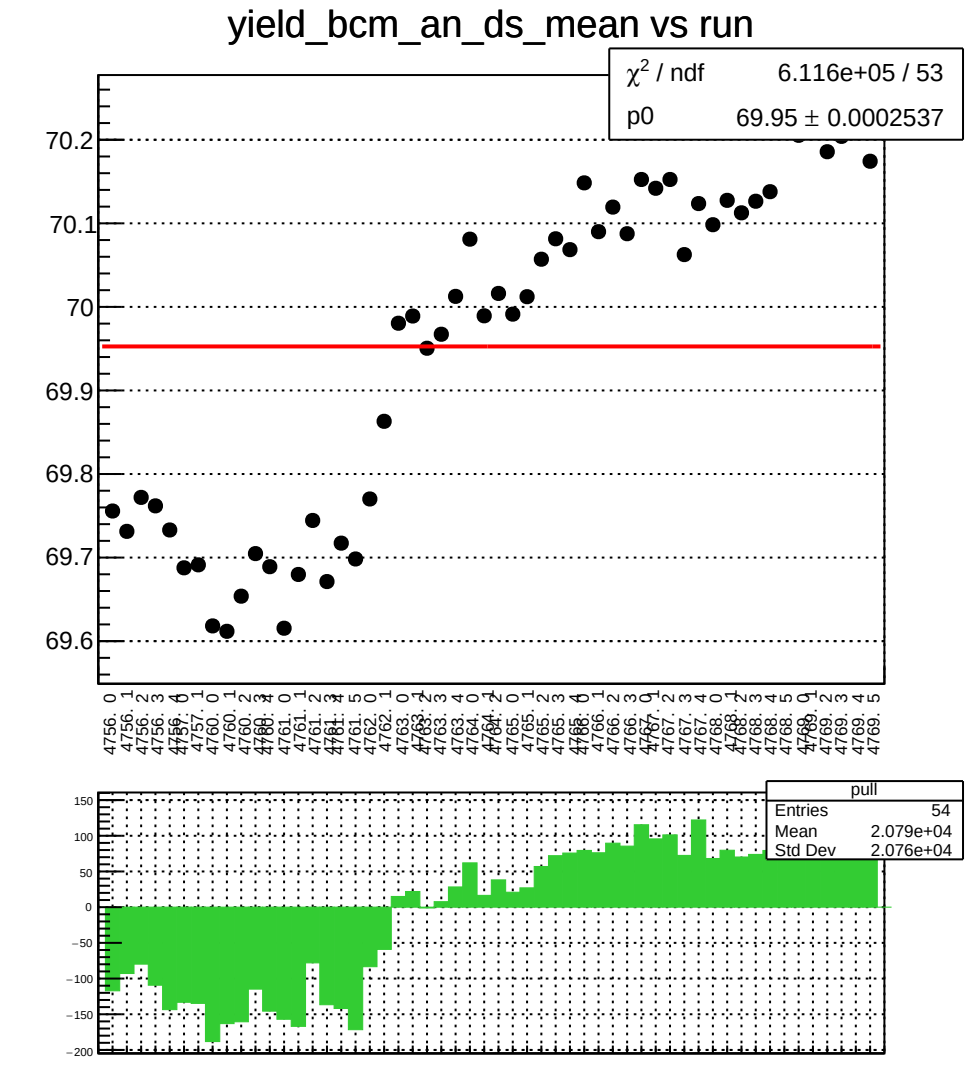

pull1D
Entries 54
Mean −0.4072
Std Dev 5.585

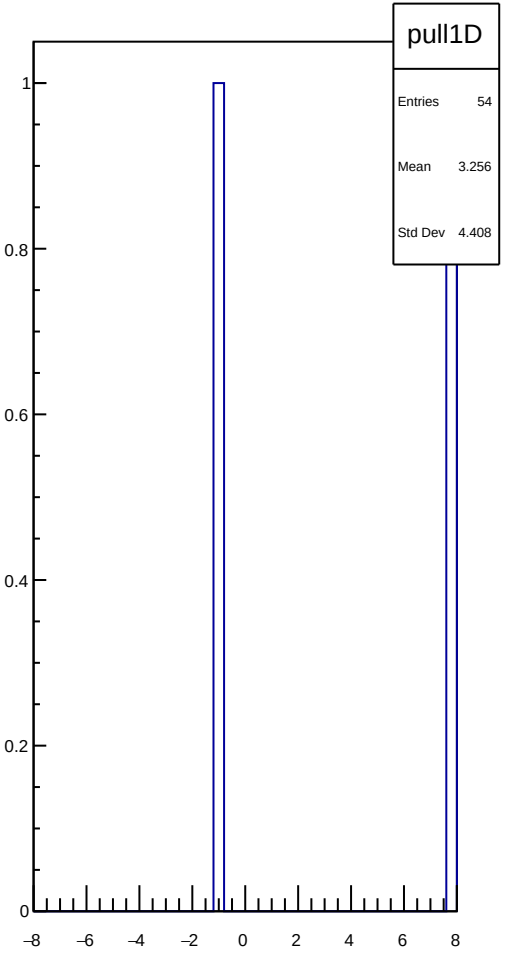

yield_dsl_rms vs run
χ² / ndf 1.948e+04 / 53
p0 0.2091 ± 0.0002028
0.4
0.35
0.3
0.25
0.2
0.15

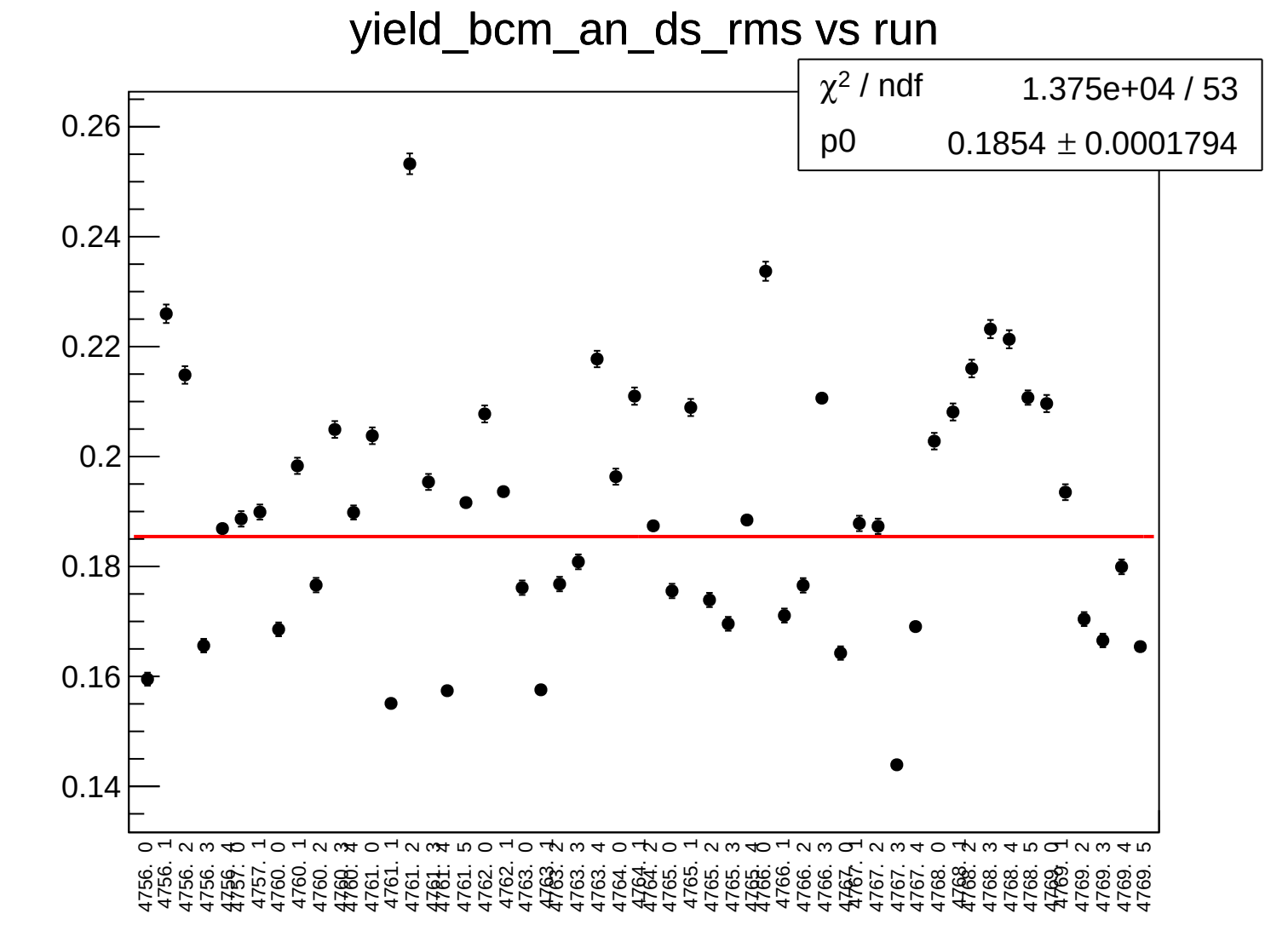

yield_dsr_mean vs run
χ² / ndf 3.482e+05 / 53
p0 54.31± 0.0002159
54.6
54.5
54.4
54.3
54.2
pull
Entries 54
Mean −217.3
Std Dev 248.2
200
150
100
50
0
−50
−100

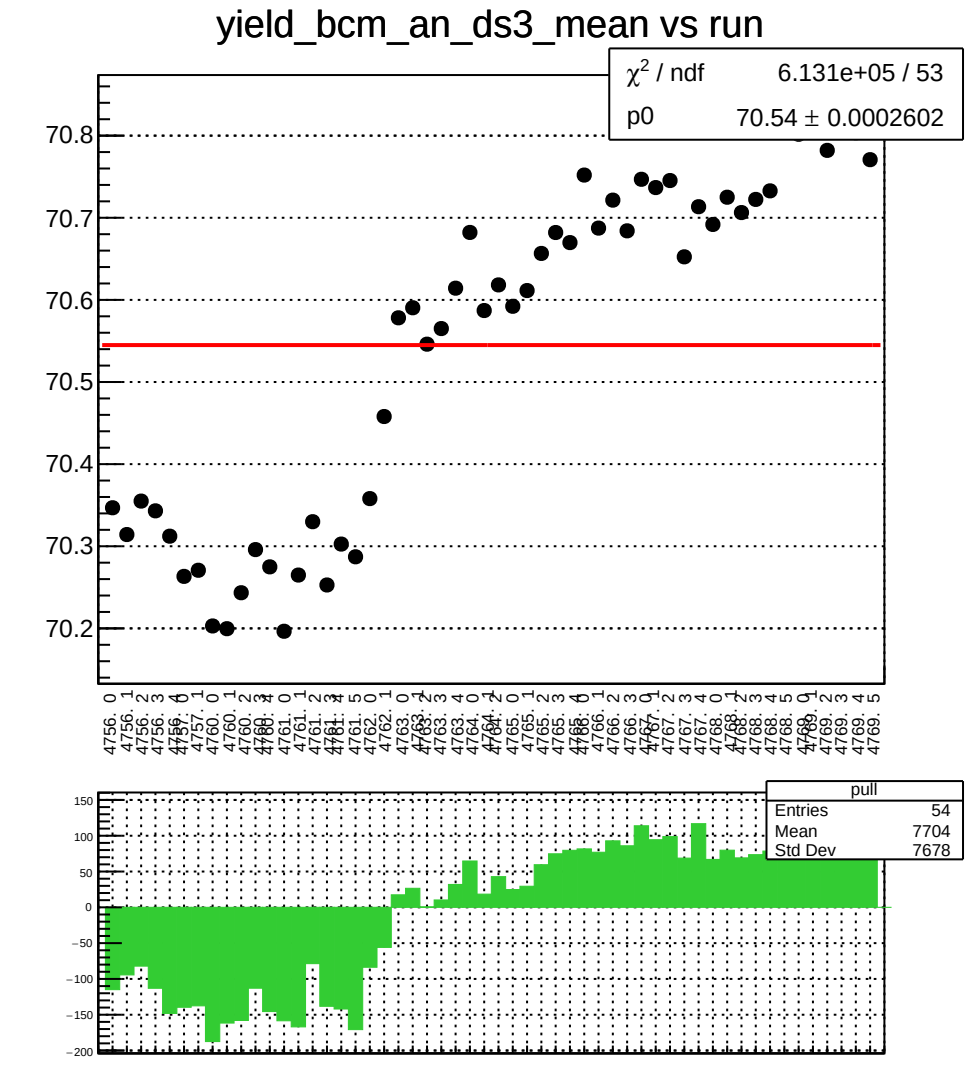

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

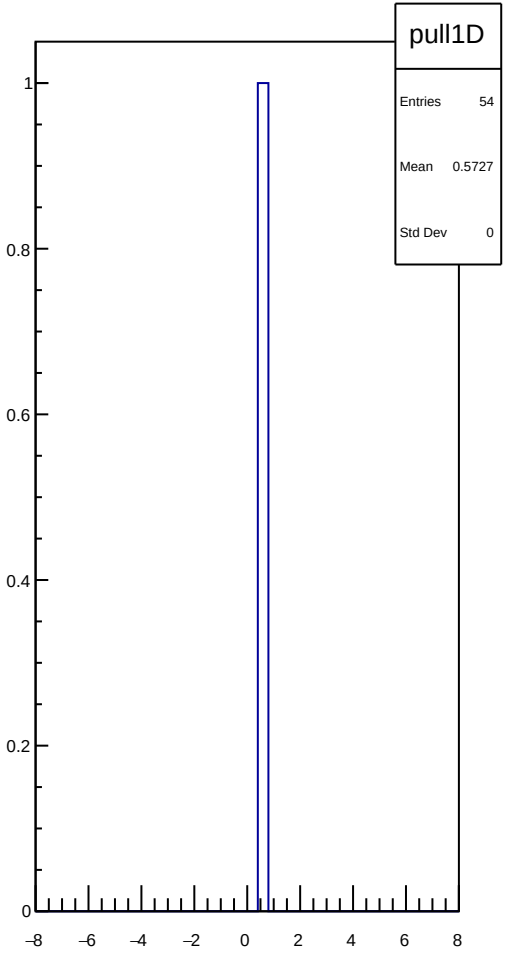

yield_dsr_rms vs run
χ² / ndf 1.704e+04 / 53
p0 0.1576 ± 0.0001526
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

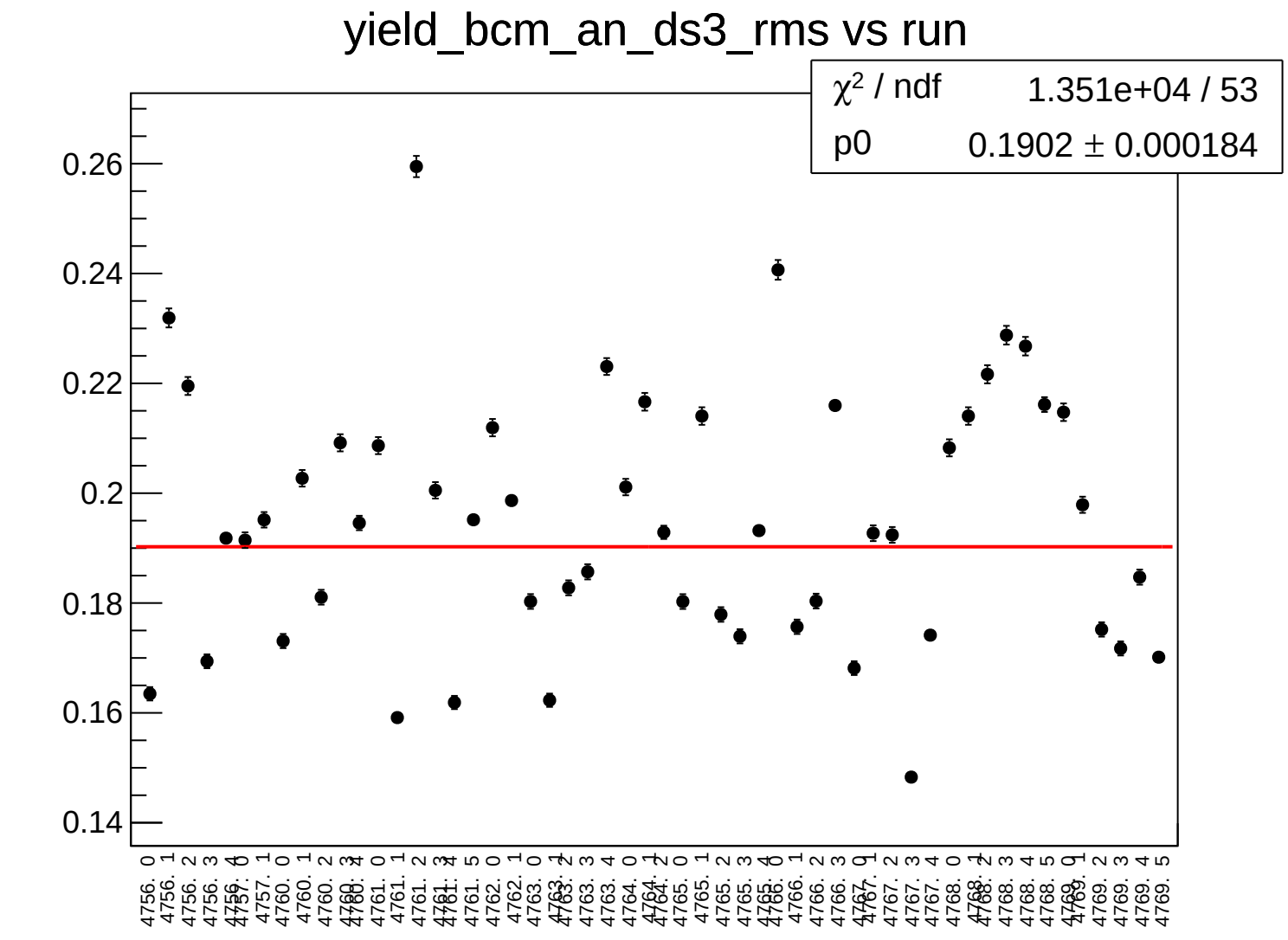

yield_bcm_an_ds_mean vs run
χ² / ndf 6.116e+05 / 53
p0 69.95 ± 0.0002537
70.2
70.1
70
69.9
69.8
69.7
69.6
pull
Entries 54
Mean 2.079e+04
Std Dev 2.076e+04
150
100
50
0
−50
−100
−150
−200

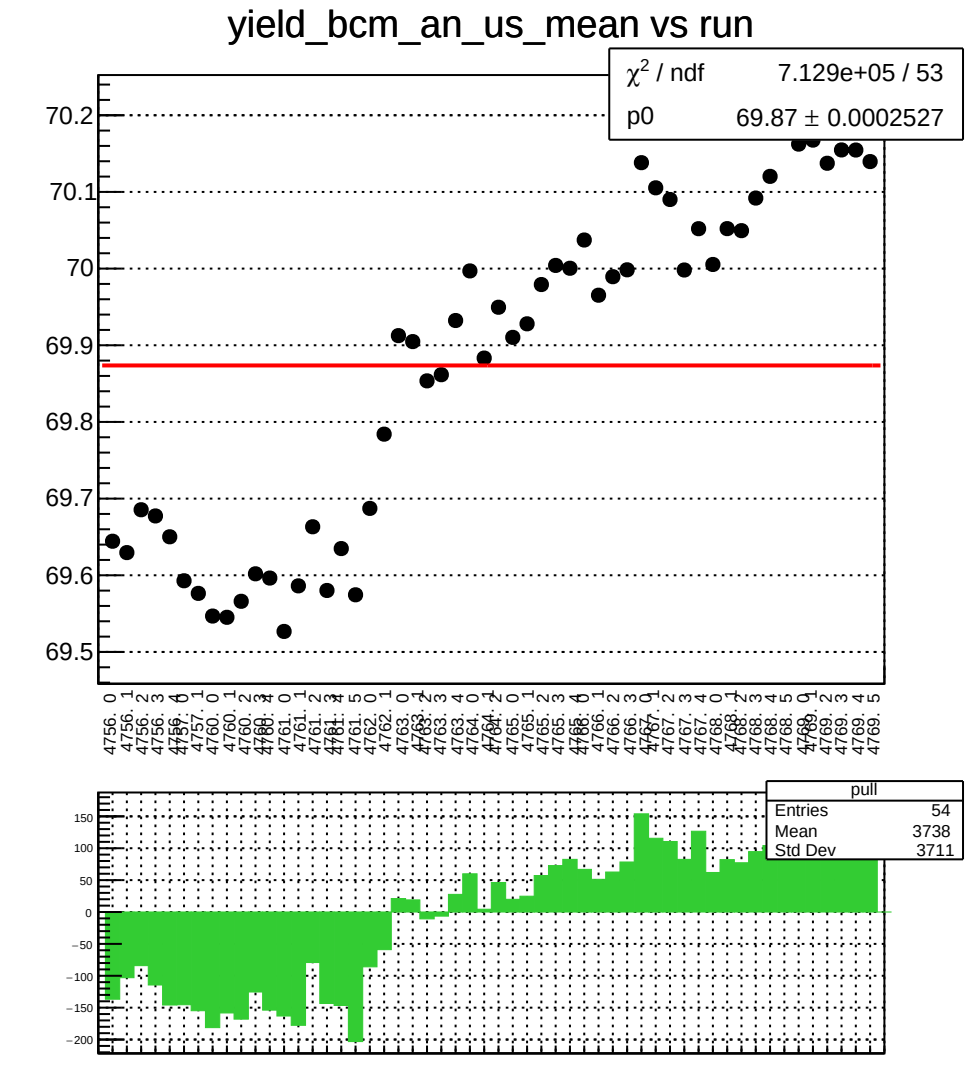

pull1D
Entries 54
Mean 3.256
Std Dev 4.408
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

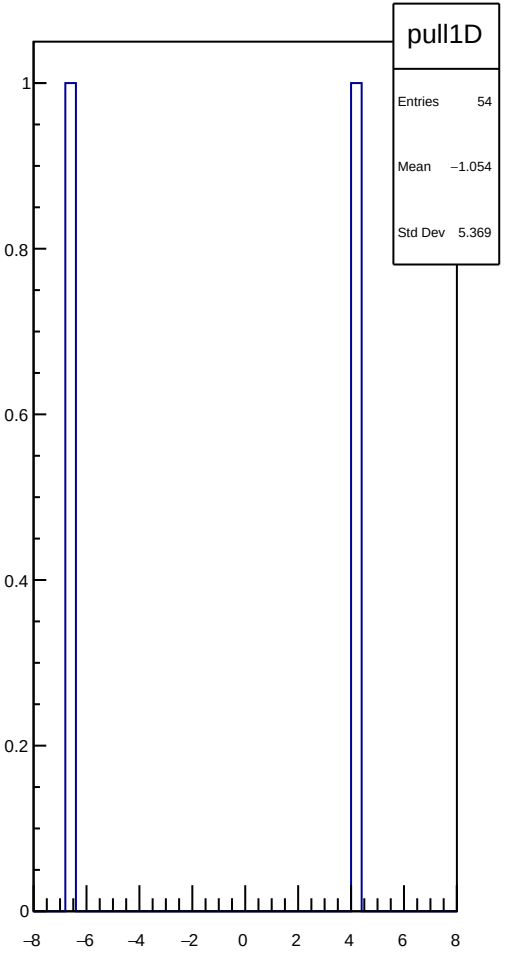

yield_bcm_an_ds_rms vs run
χ² / ndf 1.375e+04 / 53
p0 0.1854 ± 0.0001794
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

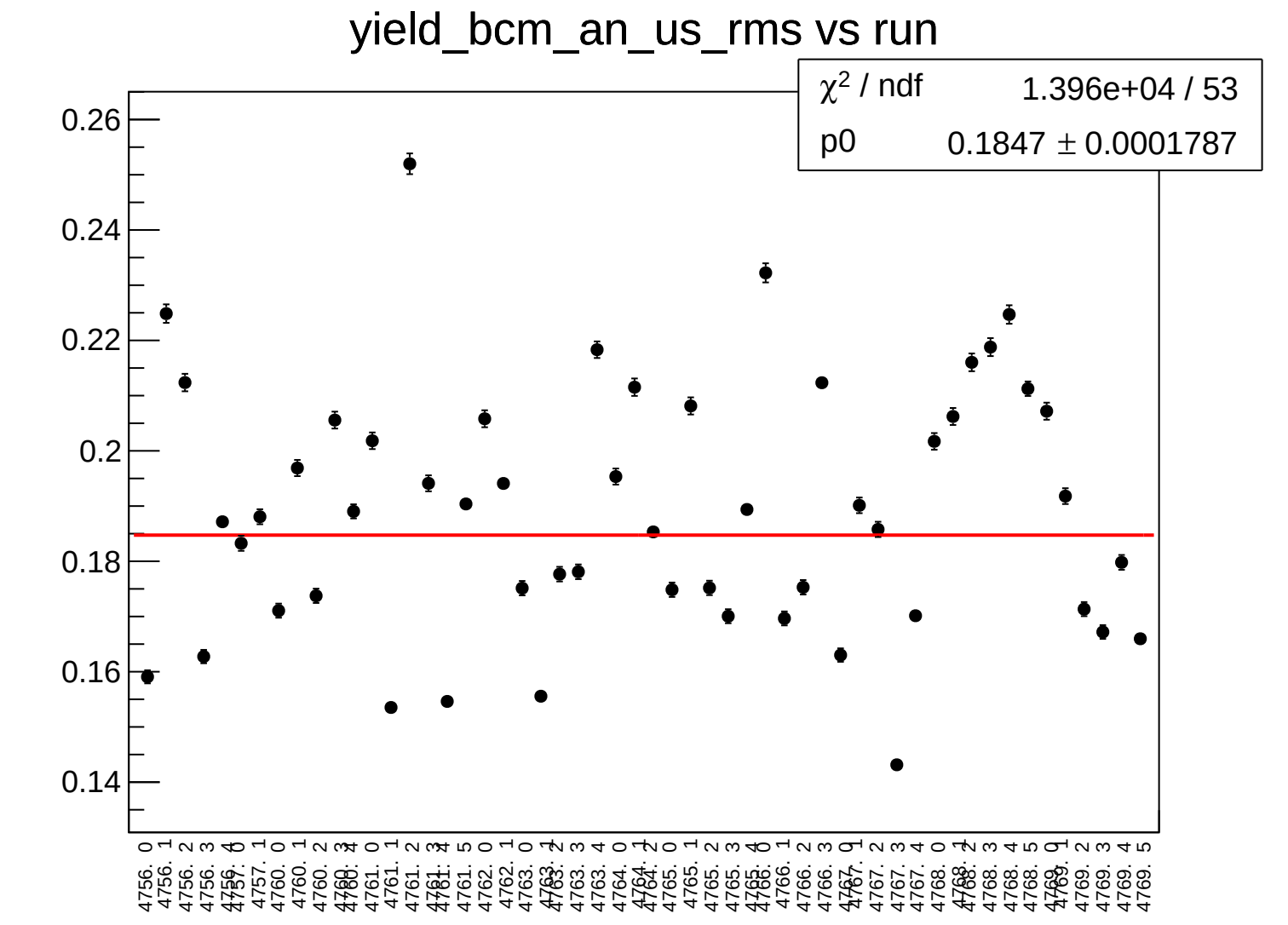

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.131e+05 / 53
p0 70.54 ± 0.0002602
70.8
70.7
70.6
70.5
70.4
70.3
70.2
pull
Entries 54
Mean 7704
Std Dev 7678
150
100
50
0
−50
−100
−150
−200

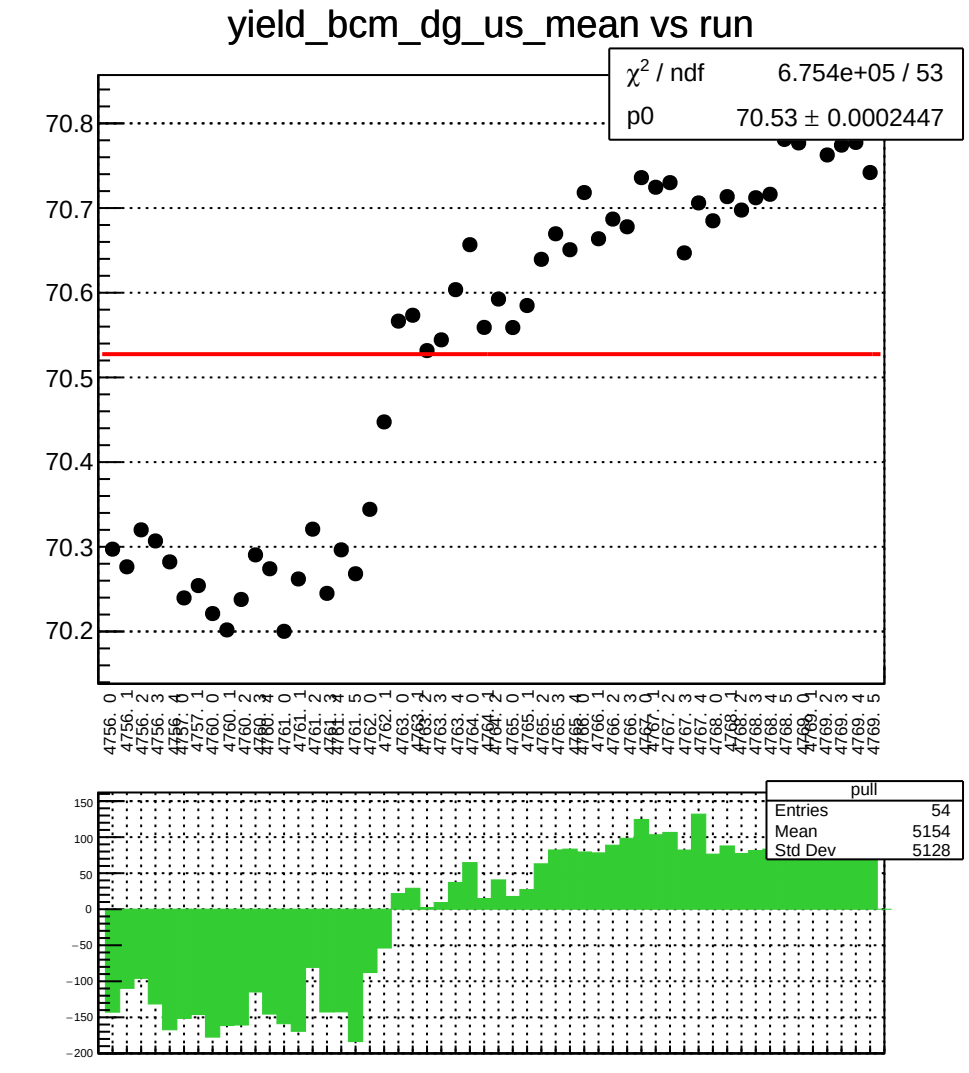

pull1D
Entries 54
Mean 0.5727
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

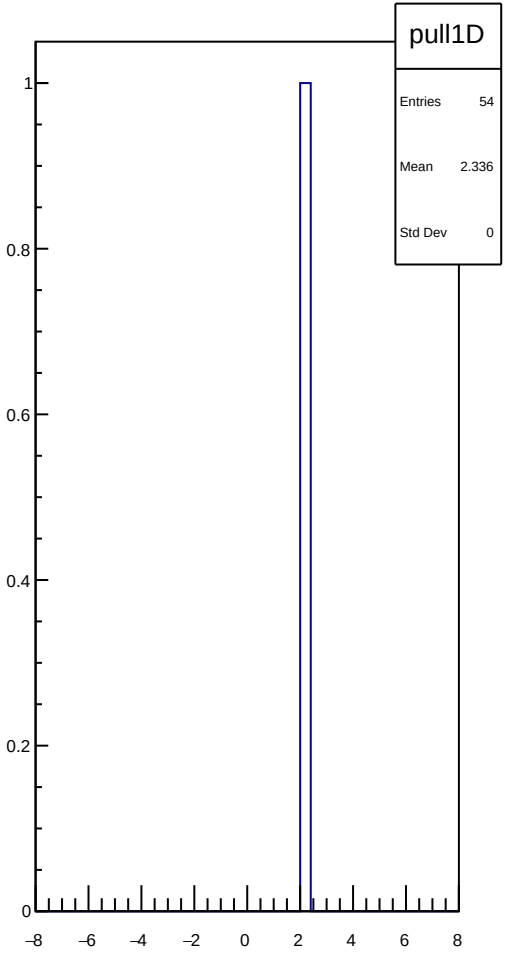

yield_bcm_an_ds3_rms vs run
χ² / ndf 1.351e+04 / 53
p0 0.1902 ± 0.000184
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

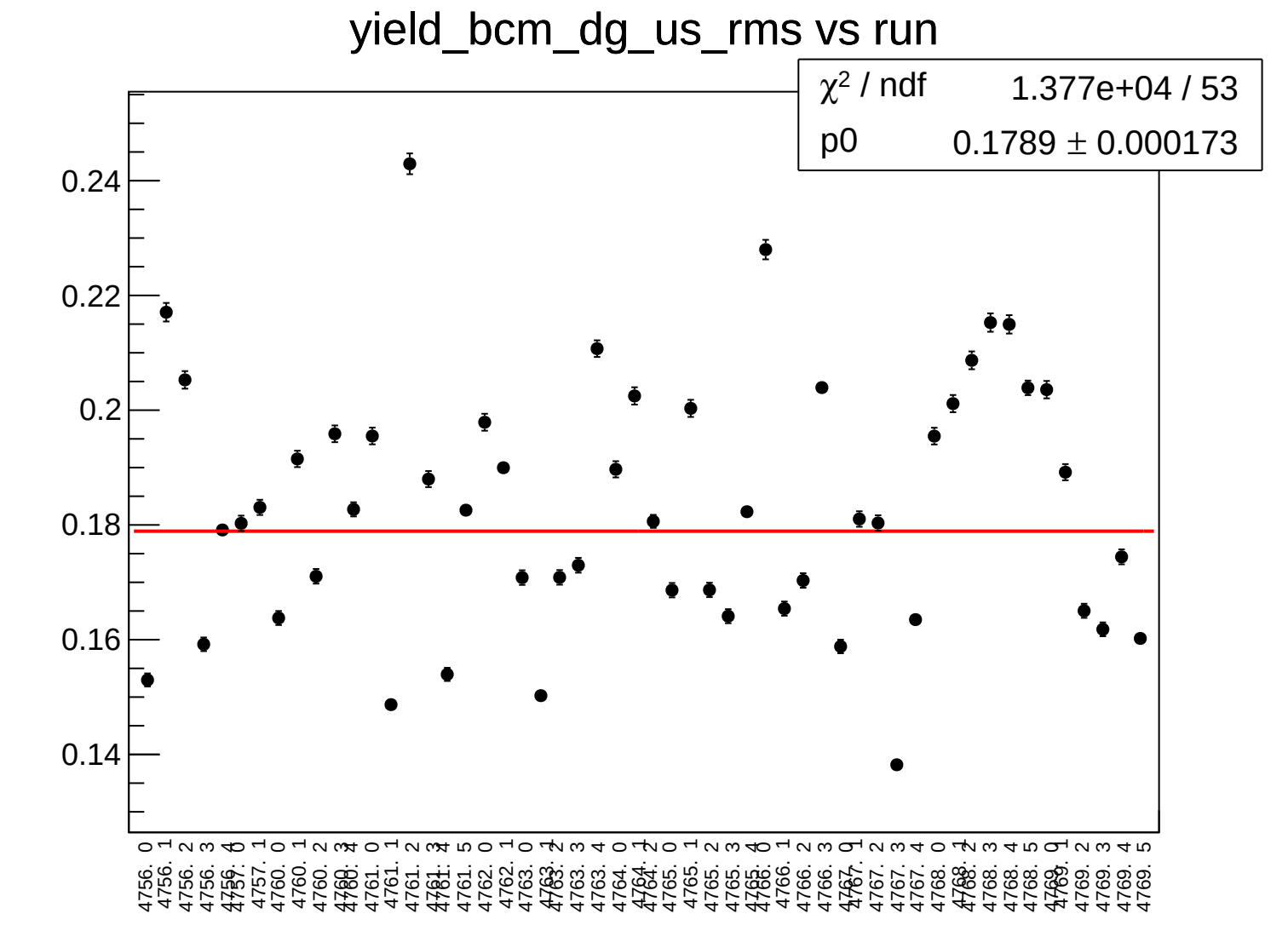

yield_bcm_an_us_mean vs run
χ² / ndf 7.129e+05 / 53
p0 69.87 ± 0.0002527
pull
Entries 54
Mean 3738
Std Dev 3711


pull1D
Entries 54
Mean −1.054
Std Dev 5.369


yield_bcm_an_us_rms vs run
χ² / ndf 1.396e+04 / 53
p0 0.1847 ± 0.0001787
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


yield_bcm_dg_us_mean vs run
χ² / ndf 6.754e+05 / 53
p0 70.53 ± 0.0002447
70.8
70.7
70.6
70.5
70.4
70.3
70.2
pull
Entries 54
Mean 5154
Std Dev 5128
150
100
50
0
−50
−100
−150
−200


pull1D
Entries 54
Mean 2.336
Std Dev 0
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
χ² / ndf 1.377e+04 / 53
p0 0.1789 ± 0.000173
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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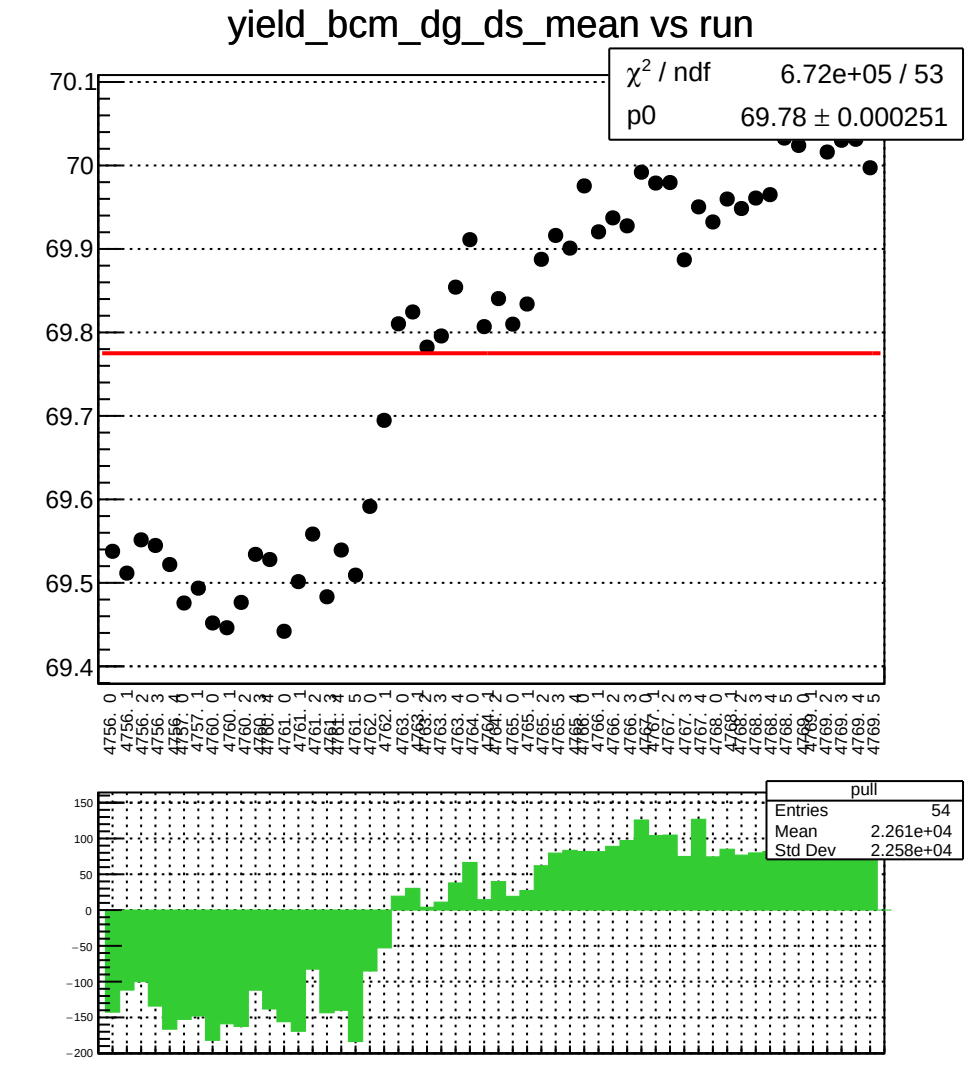
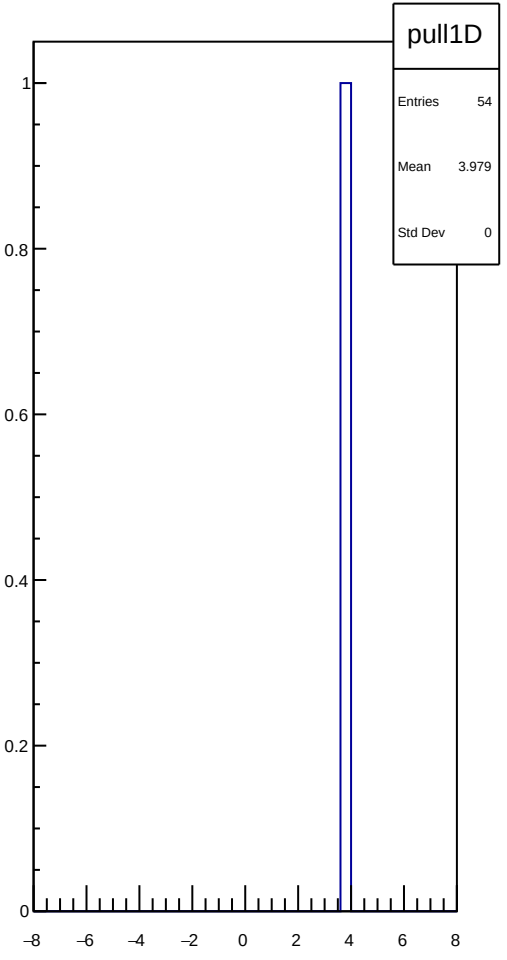
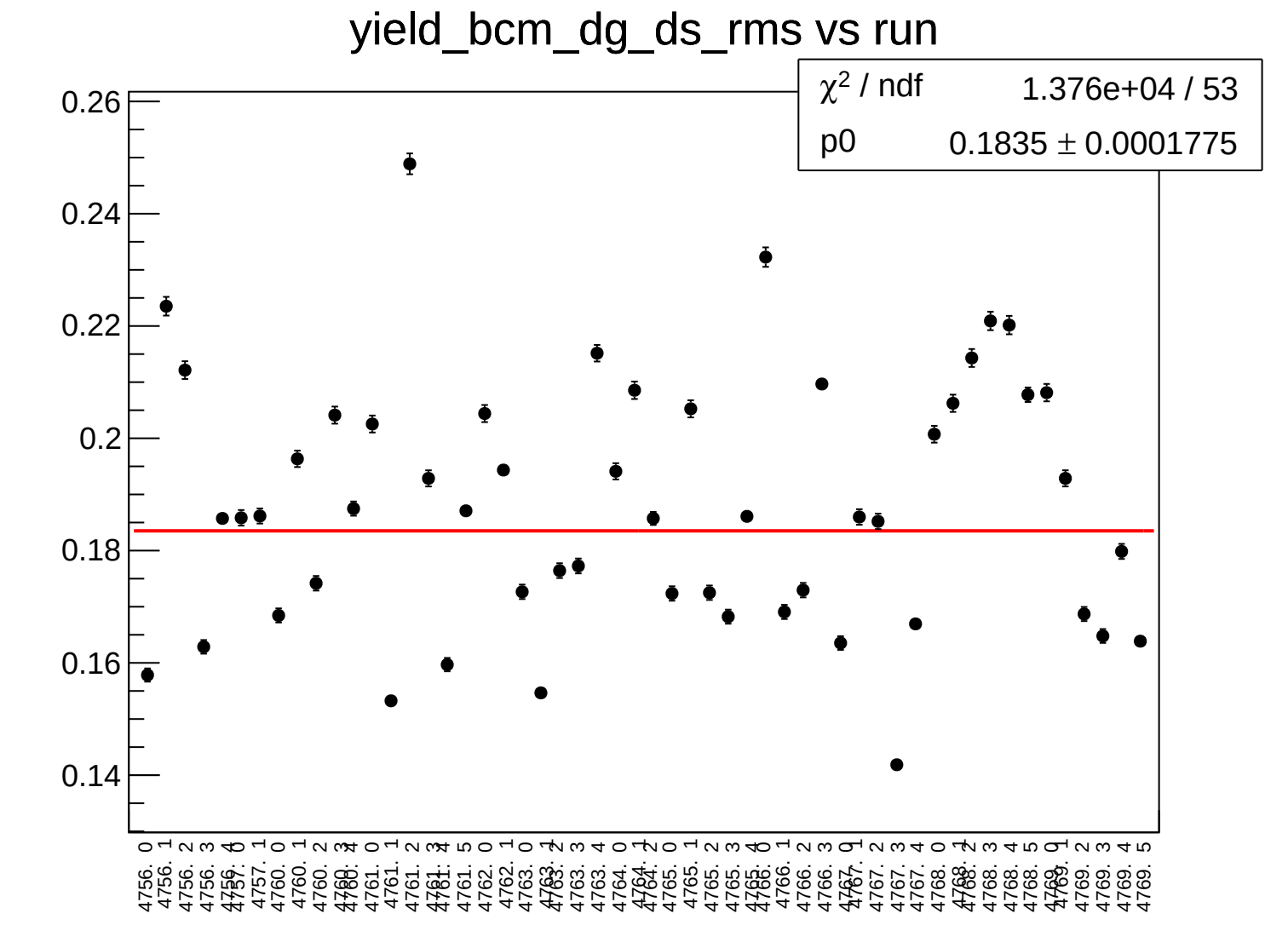
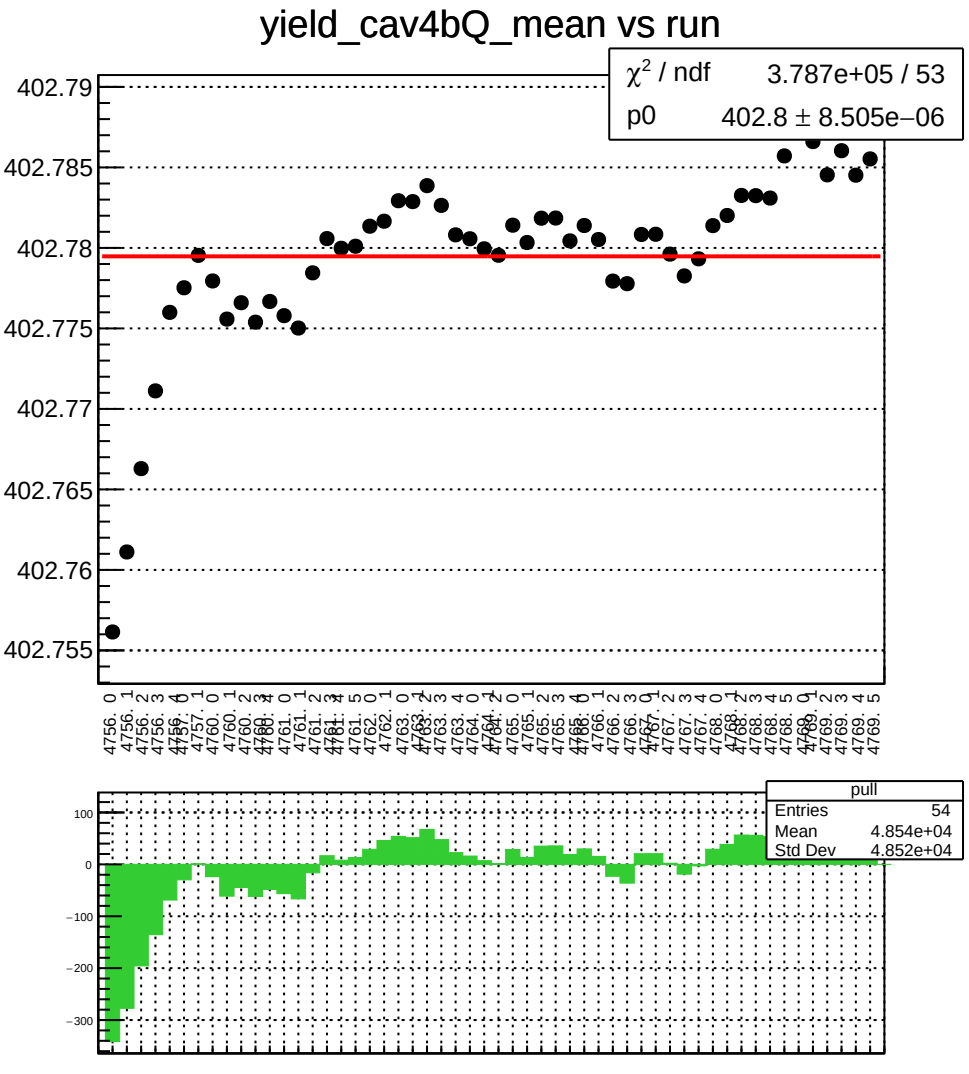
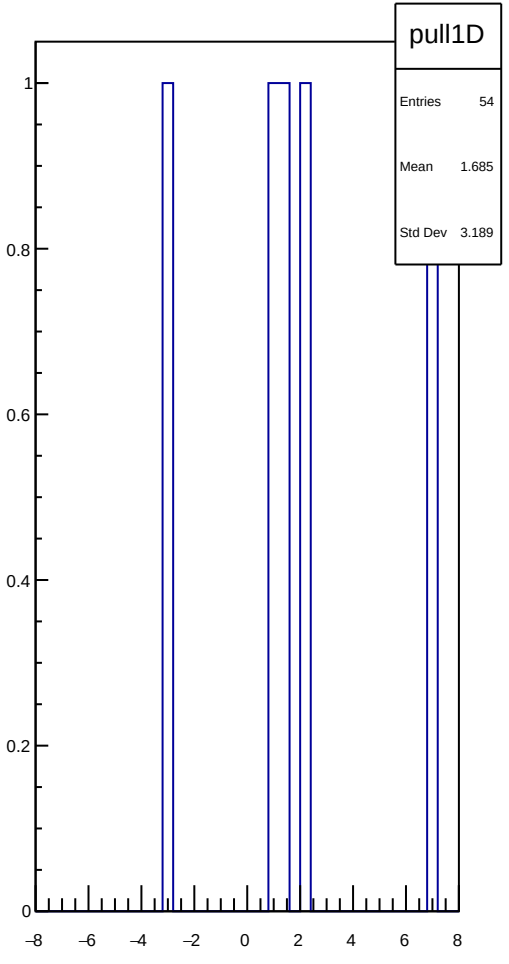
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

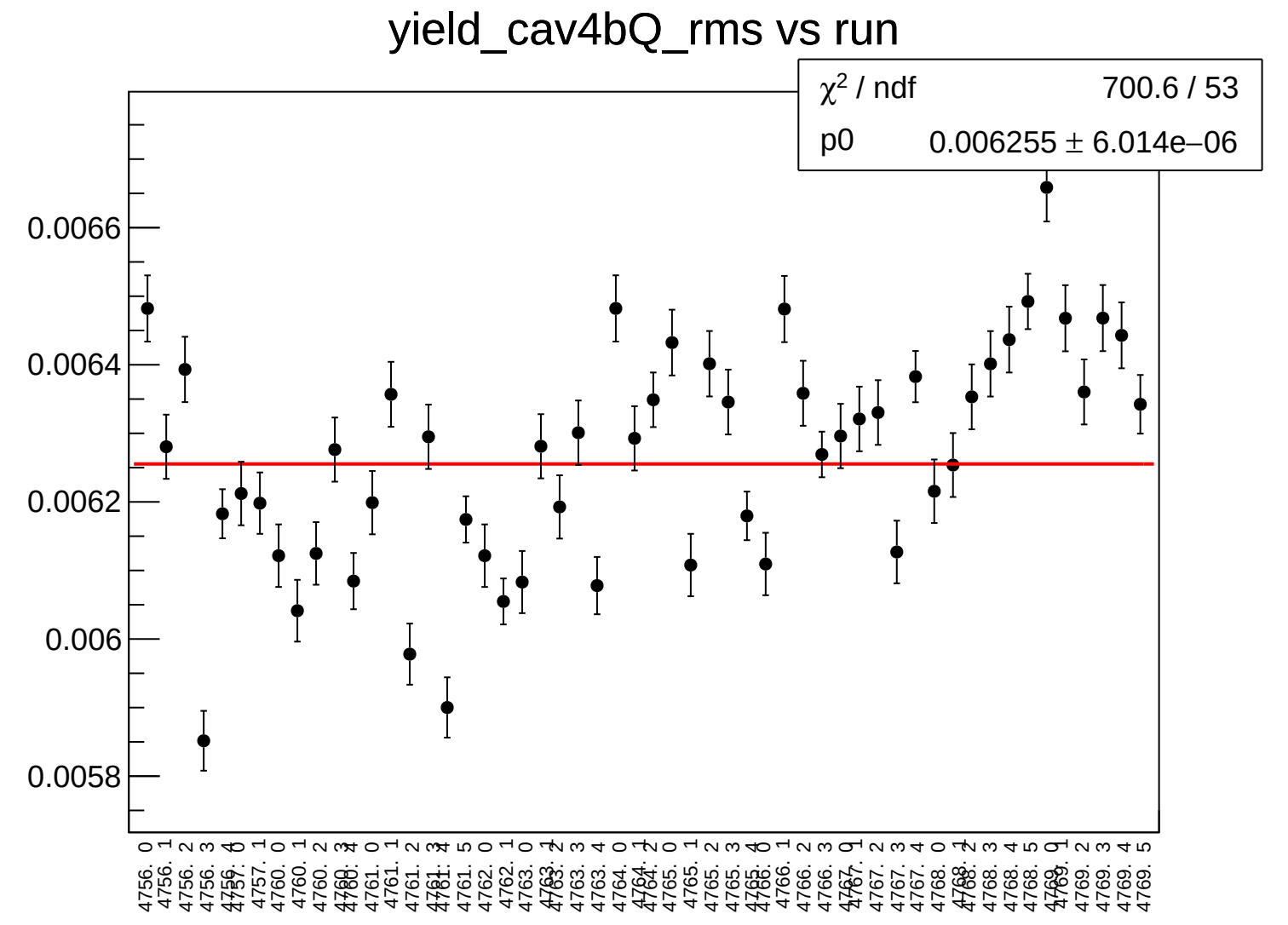

yield_bcm_dg_ds_mean vs run
χ² / ndf 6.72e+05 / 53
p0 69.78 ± 0.000251
70.1
70
69.9
69.8
69.7
69.6
69.5
69.4
pull
Entries 54
Mean 2.261e+04
Std Dev 2.258e+04
150
100
50
0
−50
−100
−150
−200

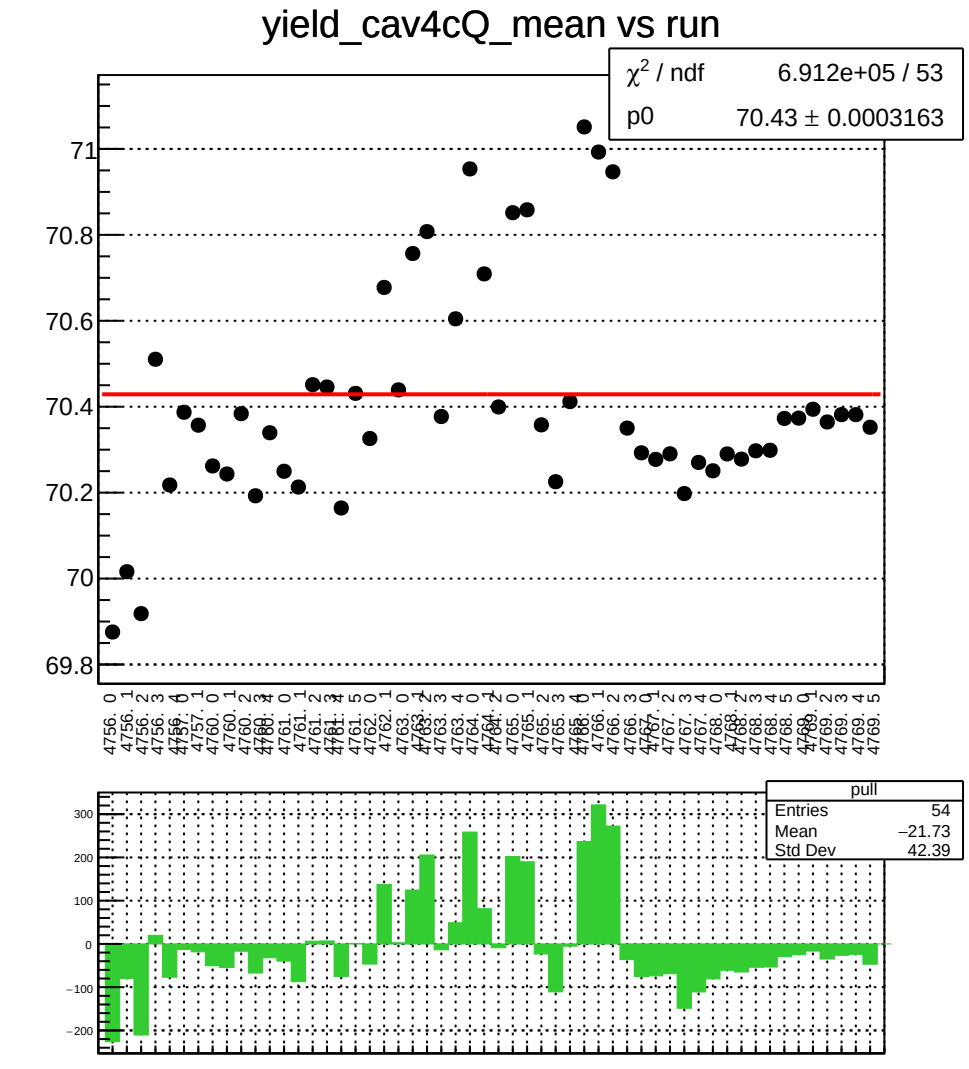

pull1D
Entries 54
Mean 3.979
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

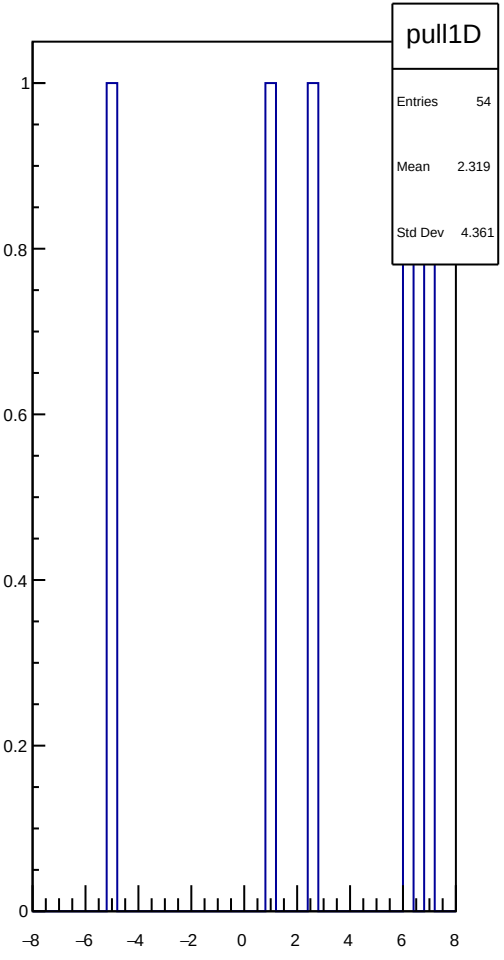

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.376e+04 / 53
p0 0.1835 ± 0.0001775
0.26
0.24
0.22
0.2
0.18
0.16
0.14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

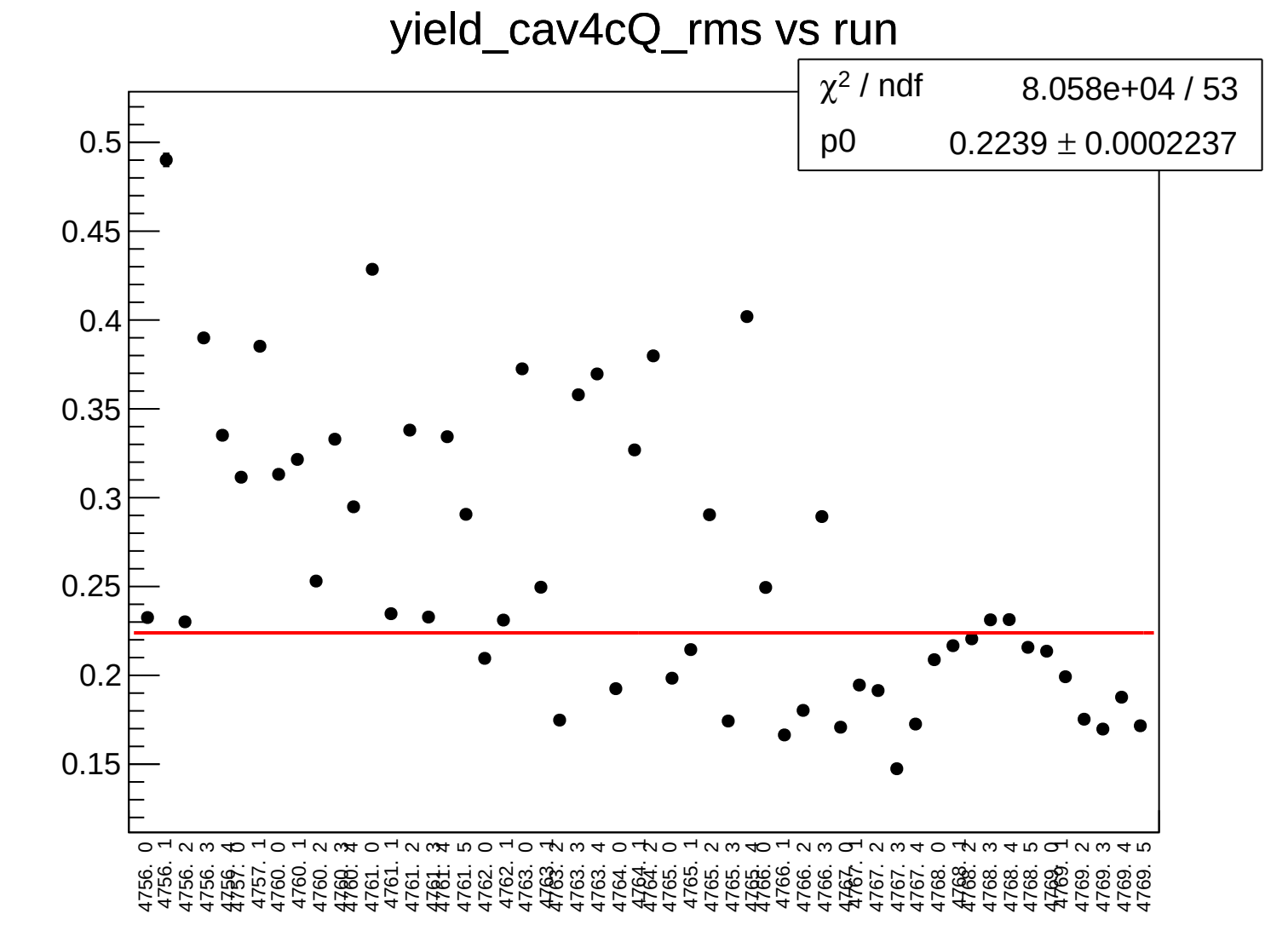

yield_cav4bQ_mean vs run
χ² / ndf 3.787e+05 / 53
p0 402.8 ± 8.505e−06
402.79
402.785
402.78
402.775
402.77
402.765
402.76
402.755
pull
Entries 54
Mean 4.854e+04
Std Dev 4.852e+04
100
0
−100
−200
−300

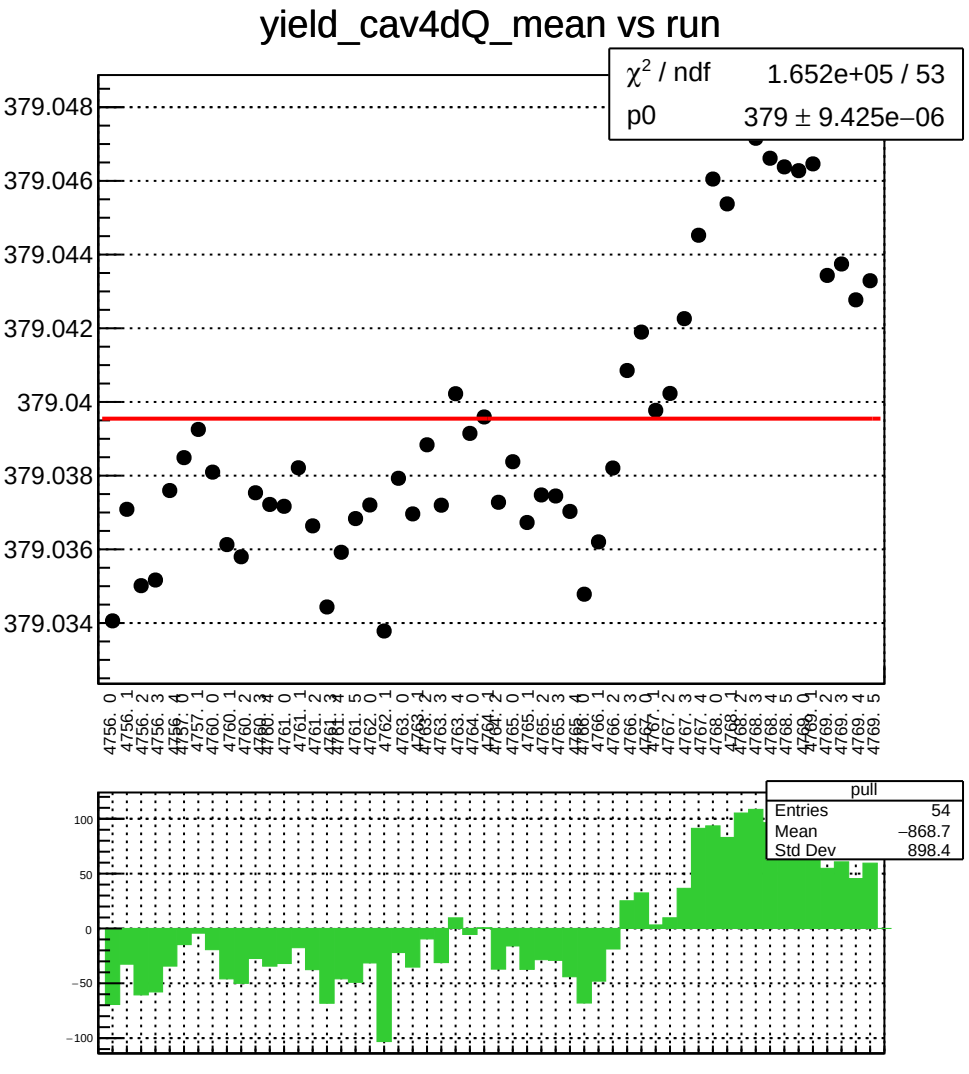

pull1D
Entries 54
Mean 1.685
Std Dev 3.189
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

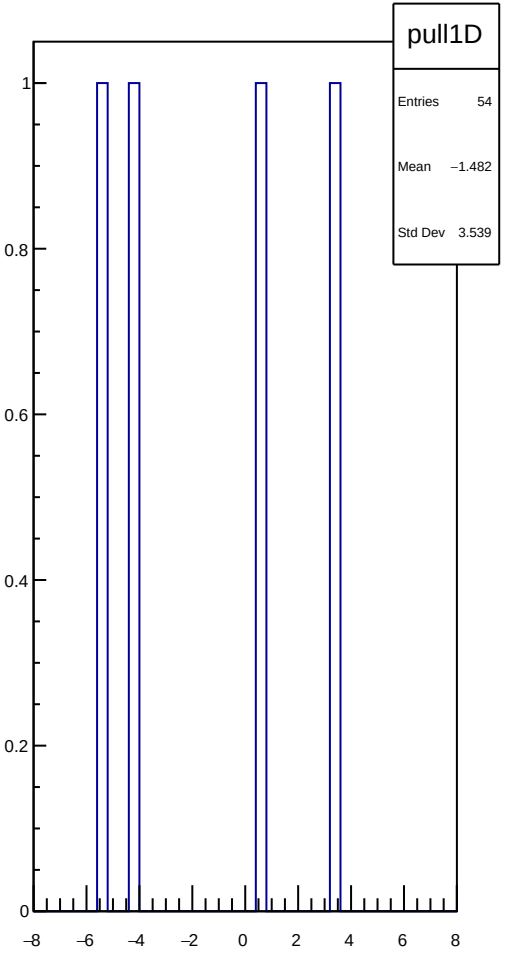

yield_cav4bQ_rms vs run
χ² / ndf 700.6 / 53
p0 0.006255 ± 6.014e−06
0.0066
0.0064
0.0062
0.006
0.0058
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

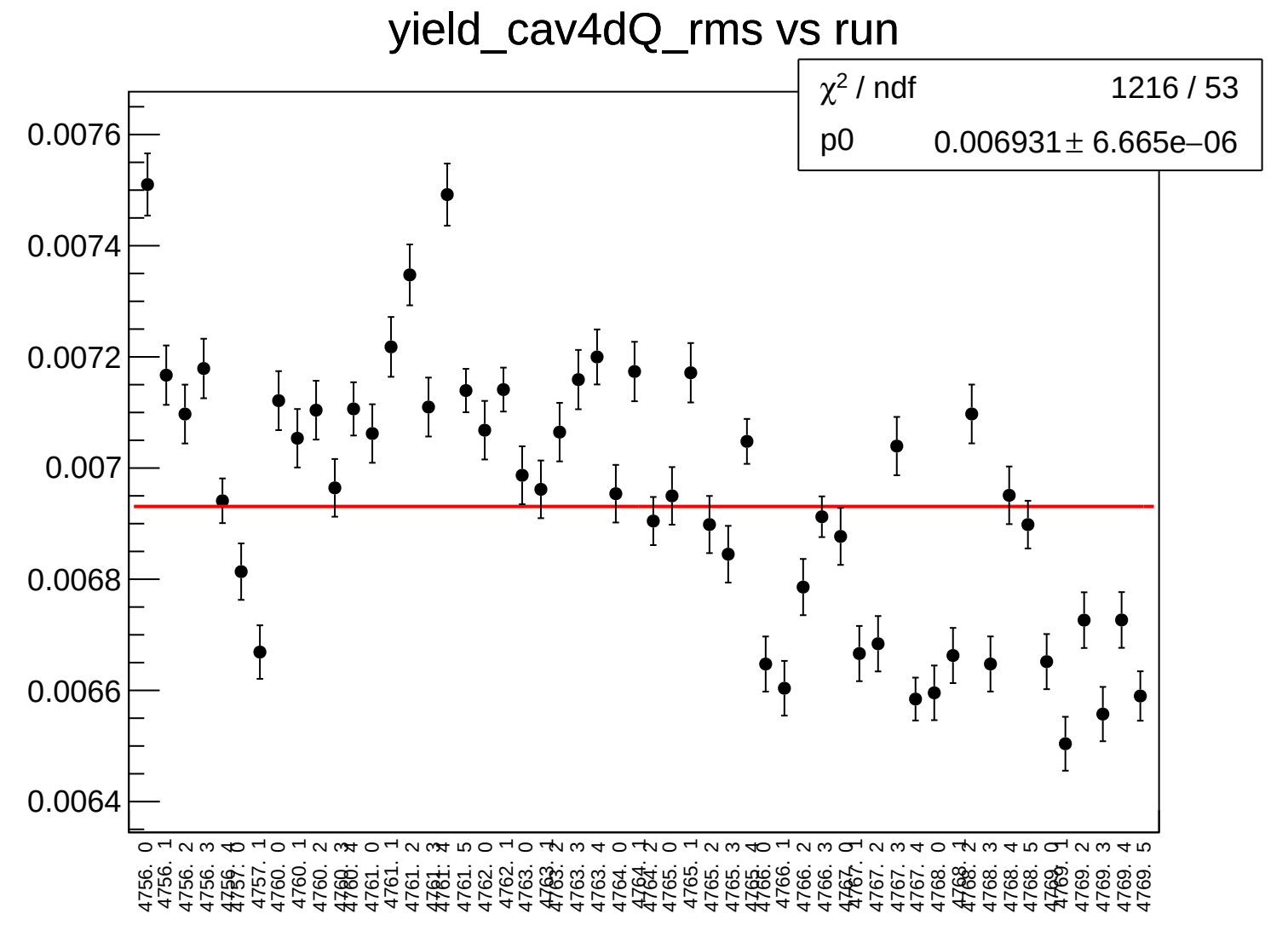

yield_cav4cQ_mean vs run
χ² / ndf 6.912e+05 / 53
p0 70.43 ± 0.0003163
71
70.8
70.6
70.4
70.2
70
69.8
pull
Entries 54
Mean −21.73
Std Dev 42.39
300
200
100
0
−100
−200

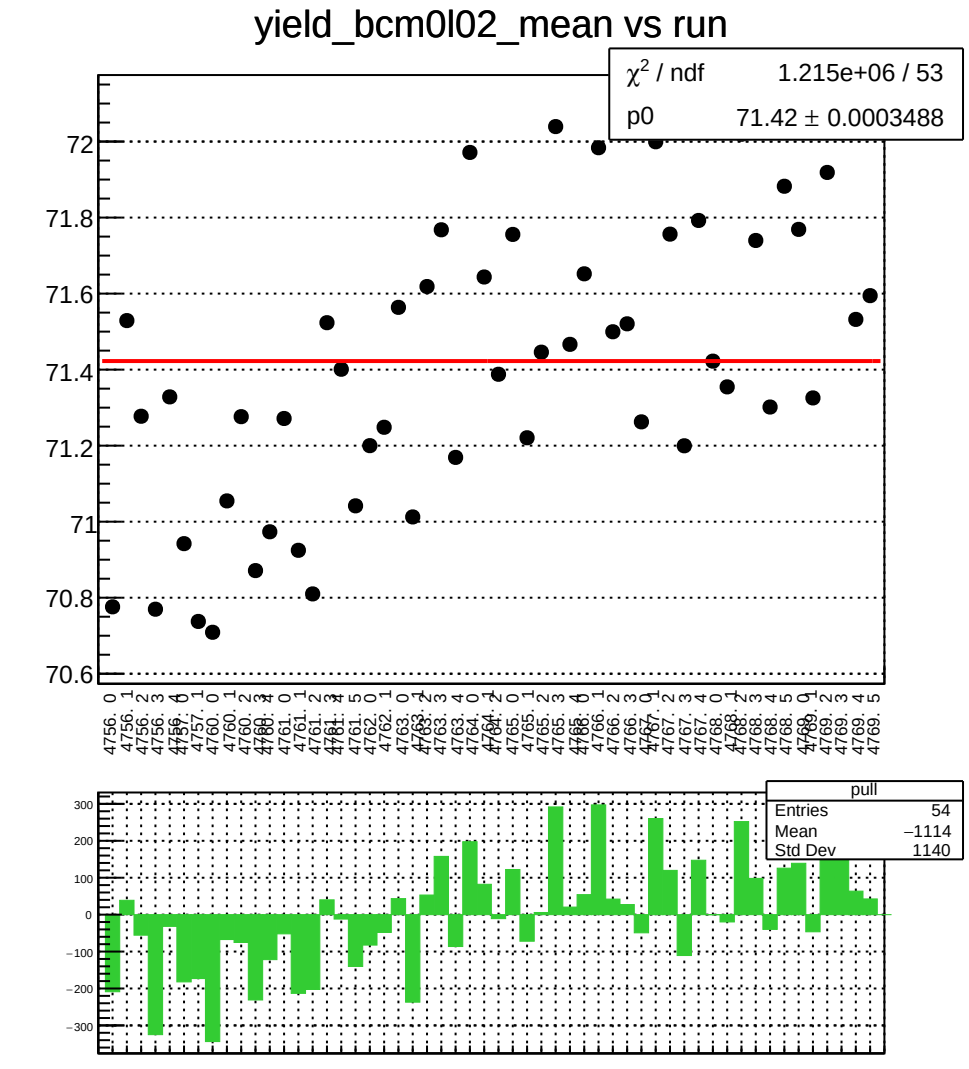

pull1D
Entries 54
Mean 2.319
Std Dev 4.361
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

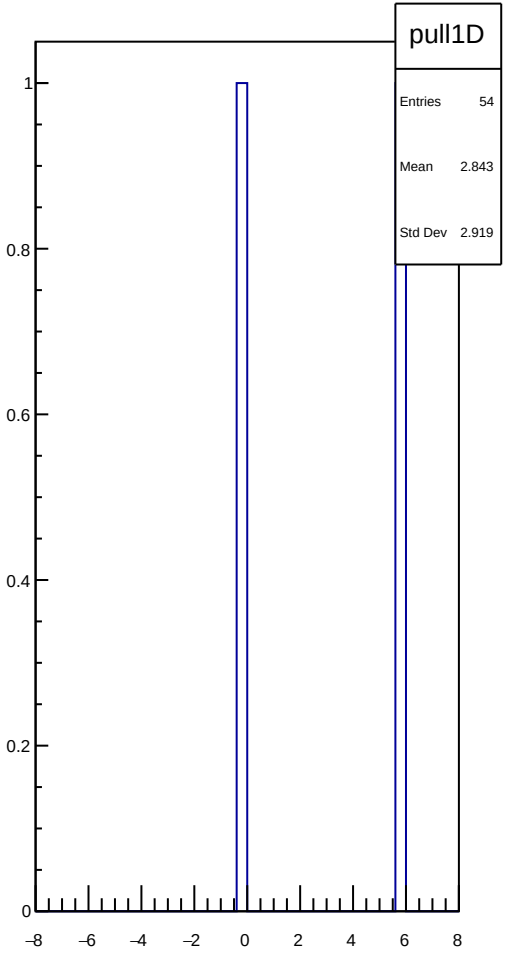

yield_cav4cQ_rms vs run
χ² / ndf 8.058e+04 / 53
p0 0.2239 ± 0.0002237
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

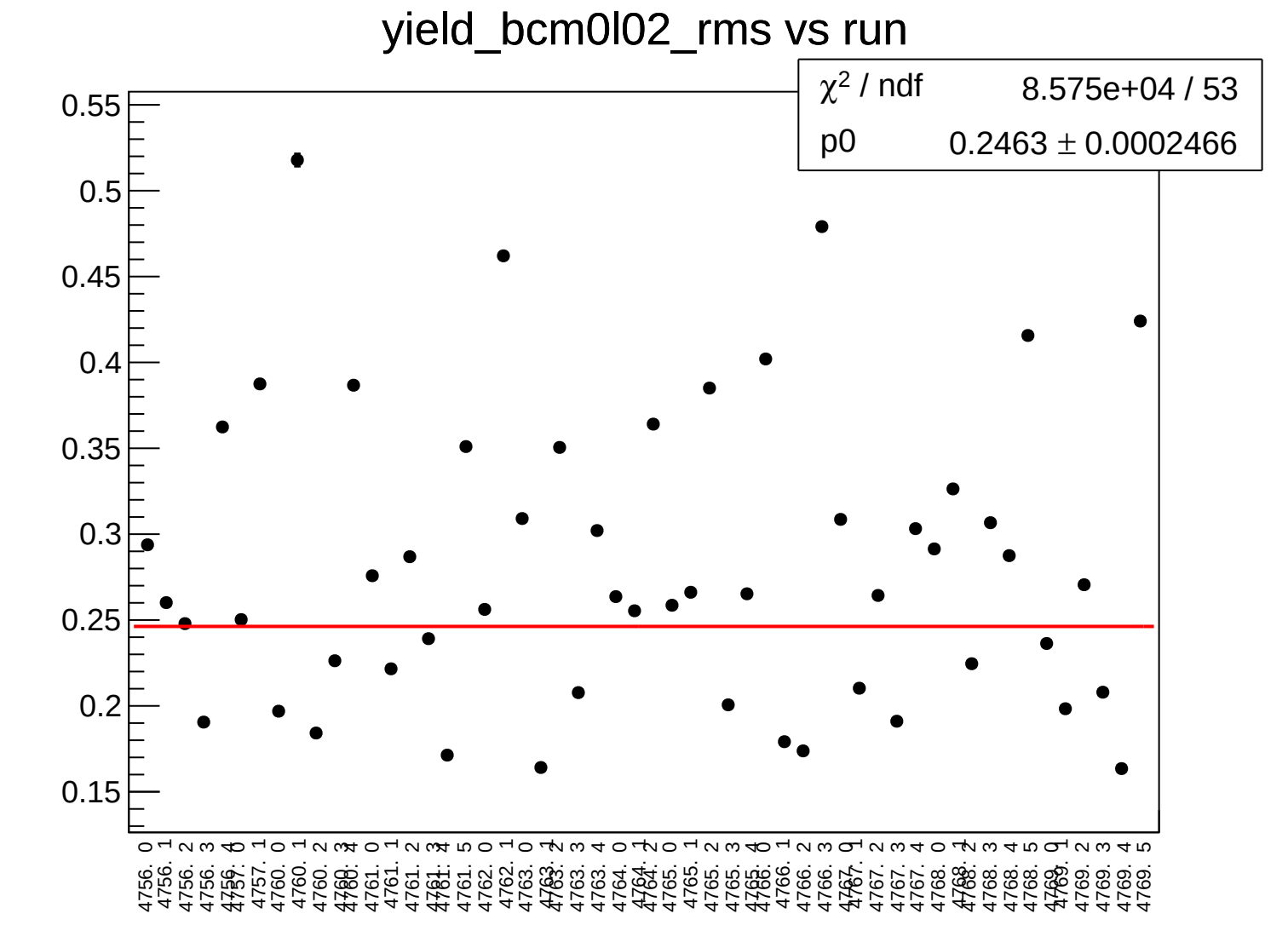

yield_cav4dQ_mean vs run
χ² / ndf 1.652e+05 / 53
p0 379 ± 9.425e−06
379.048
379.046
379.044
379.042
379.04
379.038
379.036
379.034
pull
Entries 54
Mean −868.7
Std Dev 898.4
100
50
0
−50
−100

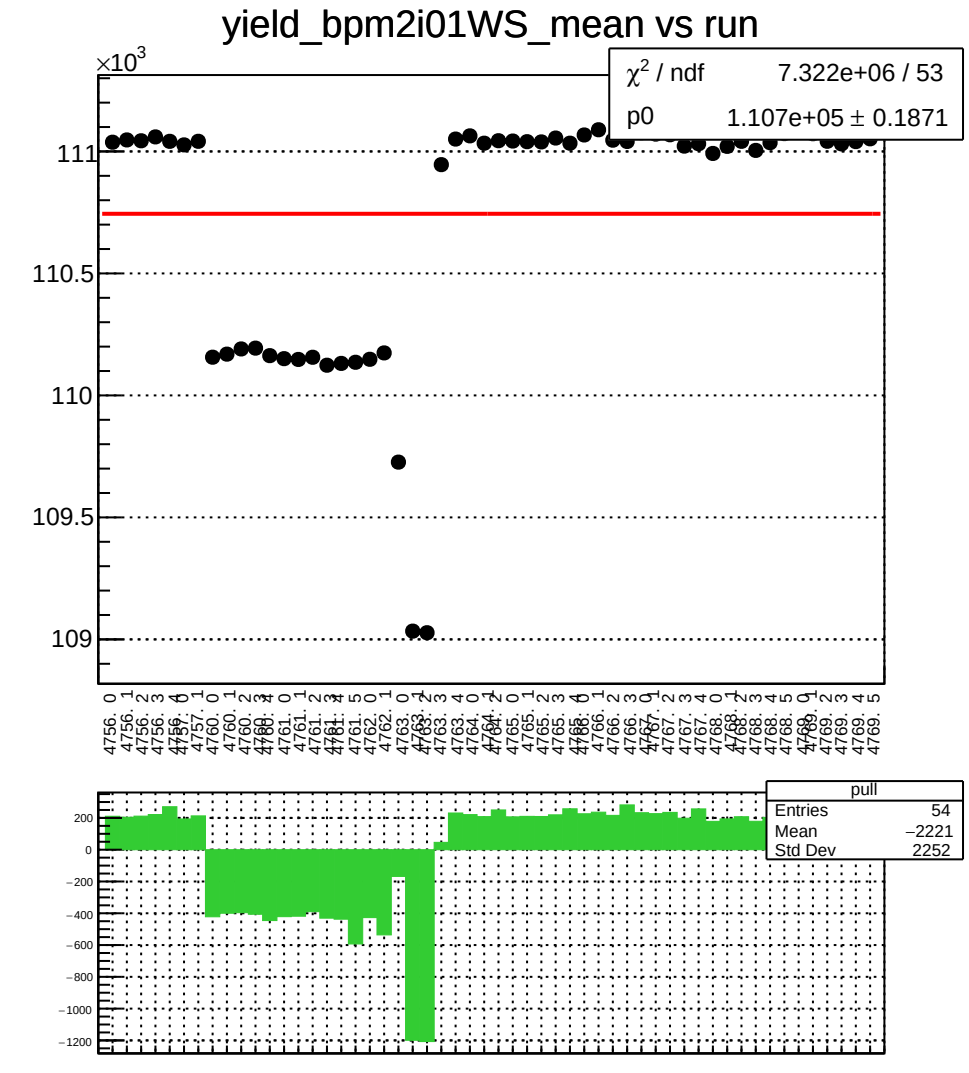

pull1D
Entries 54
Mean −1.482
Std Dev 3.539
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

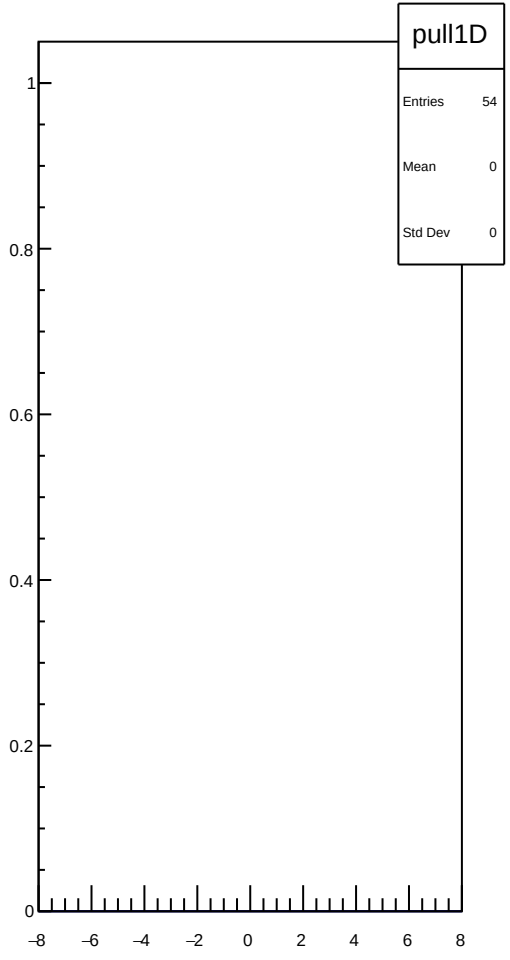

yield_cav4dQ_rms vs run
χ² / ndf 1216 / 53
p0 0.006931 ± 6.665e−06
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

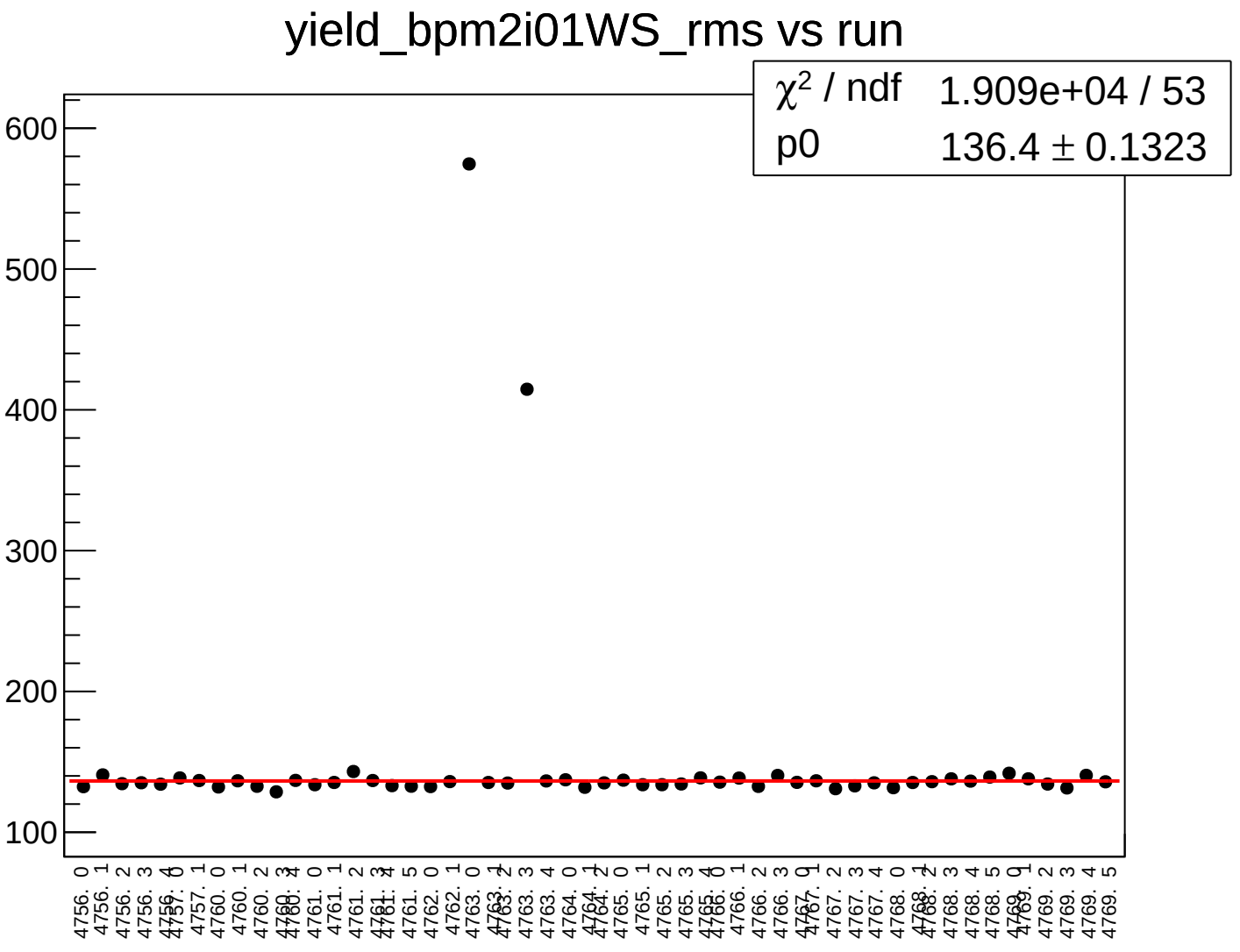

yield_bcm0l02_mean vs run
χ² / ndf 1.215e+06 / 53
p0 71.42 ± 0.0003488
72
71.8
71.6
71.4
71.2
71
70.8
70.6
pull
Entries 54
Mean −1114
Std Dev 1140
300
200
100
0
−100
−200
−300

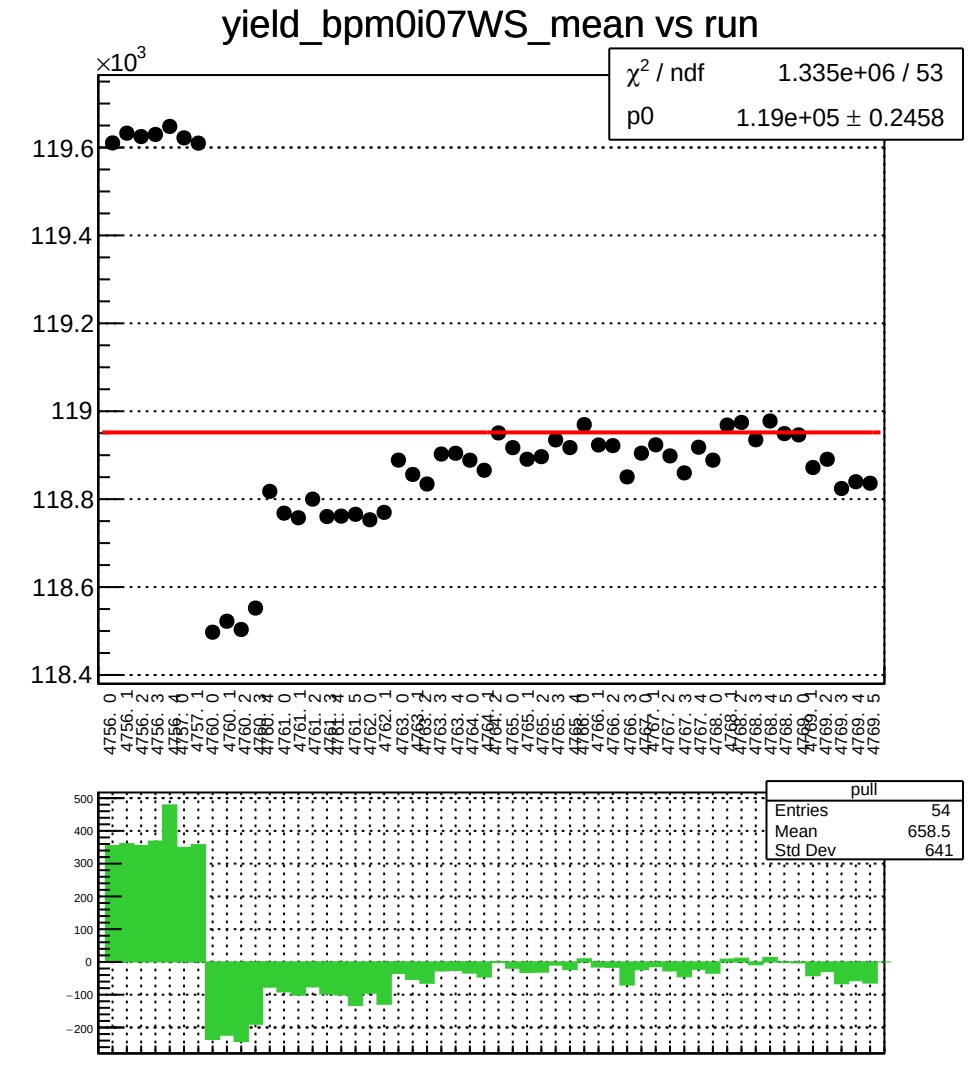

pull1D
Entries 54
Mean 2.843
Std Dev 2.919
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

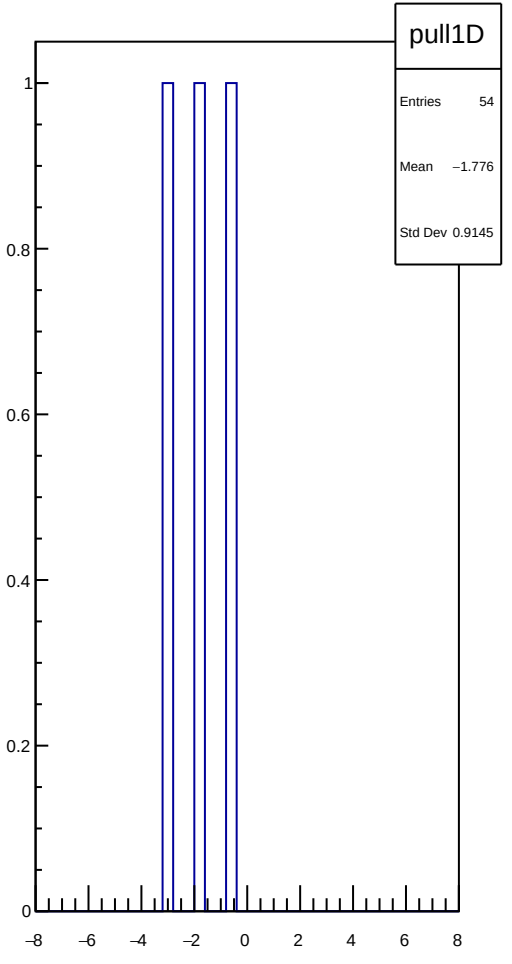

yield_bcm0l02_rms vs run
χ² / ndf 8.575e+04 / 53
p0 0.2463 ± 0.0002466
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

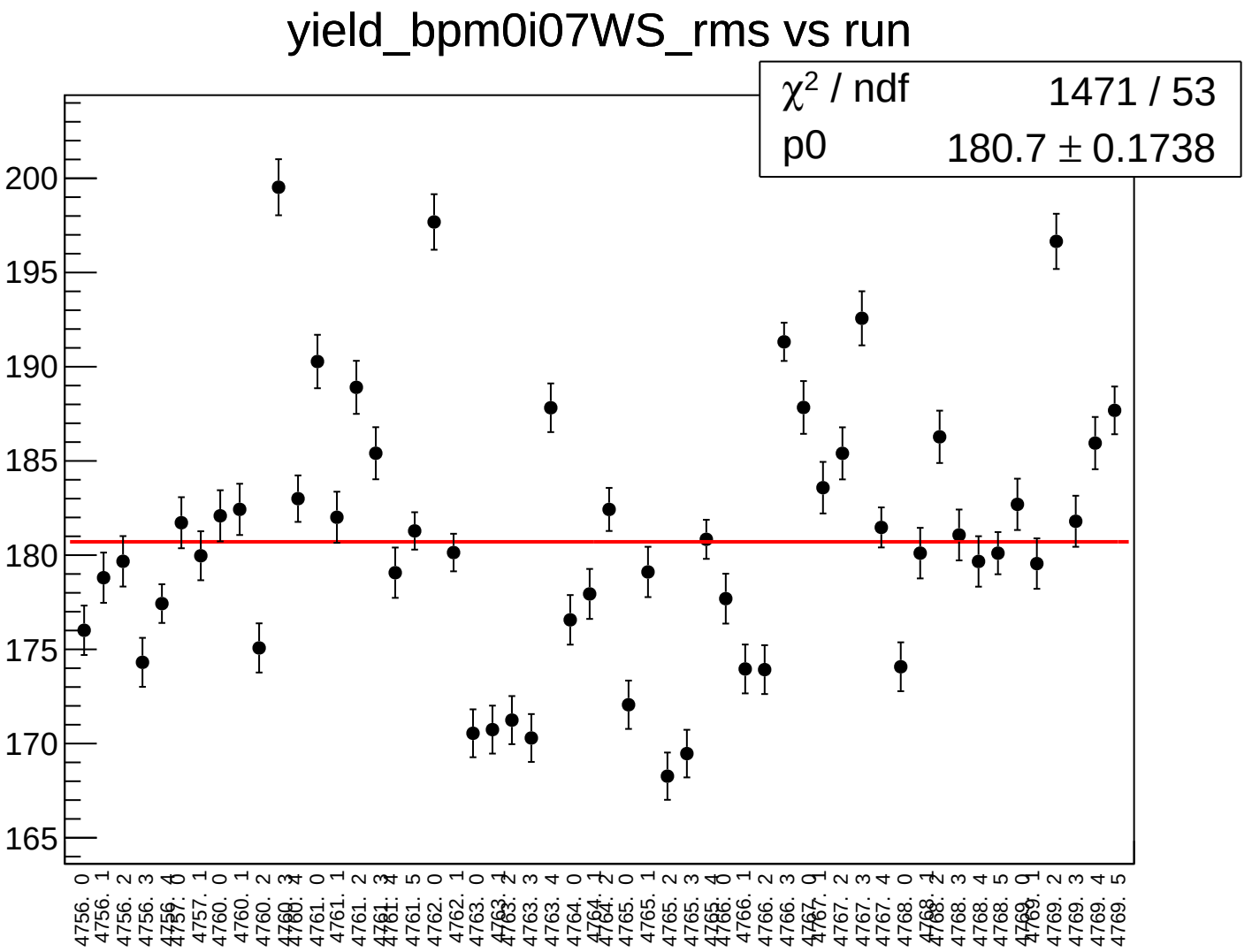

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 7.322e+06 / 53
p0 1.107e+05 ± 0.1871
111
110.5
110
109.5
109
pull
Entries 54
Mean −2221
Std Dev 2252
200
0
−200
−400
−600
−800
−1000
−1200

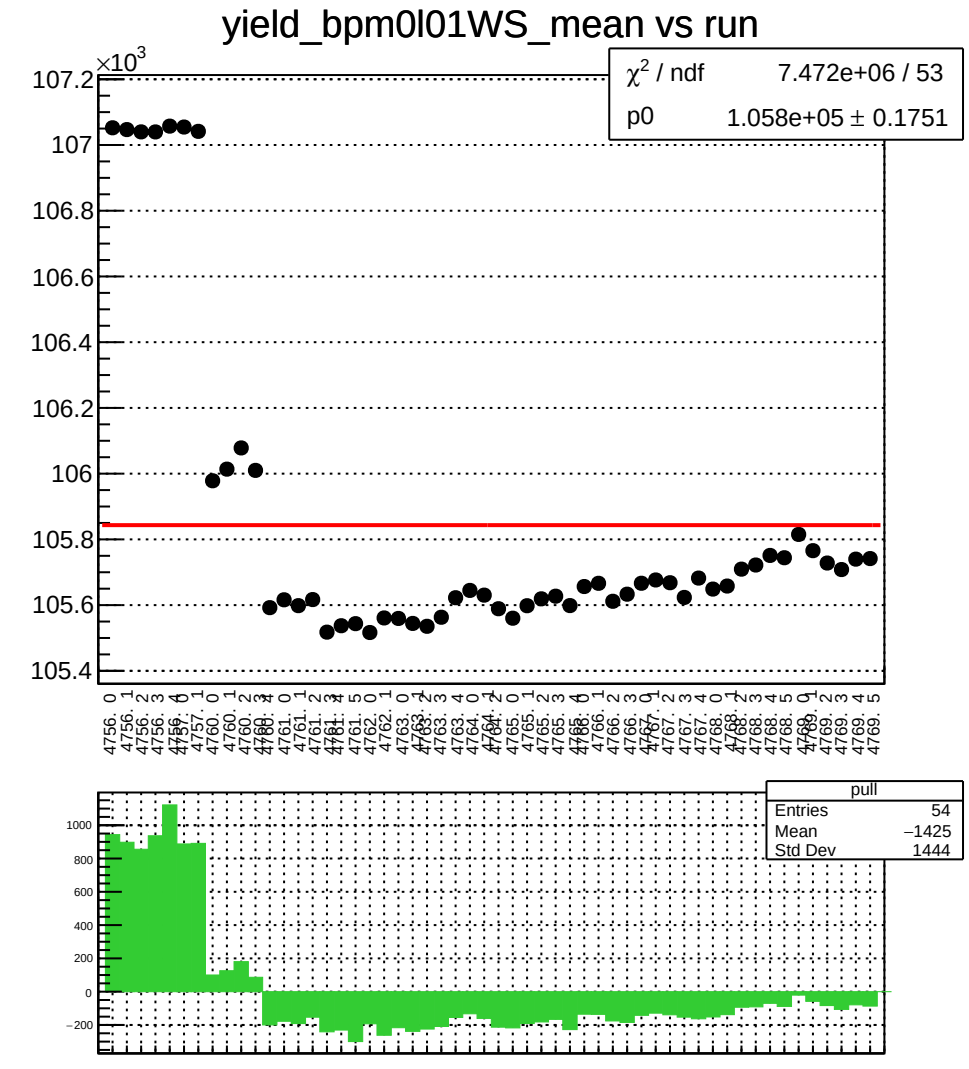

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

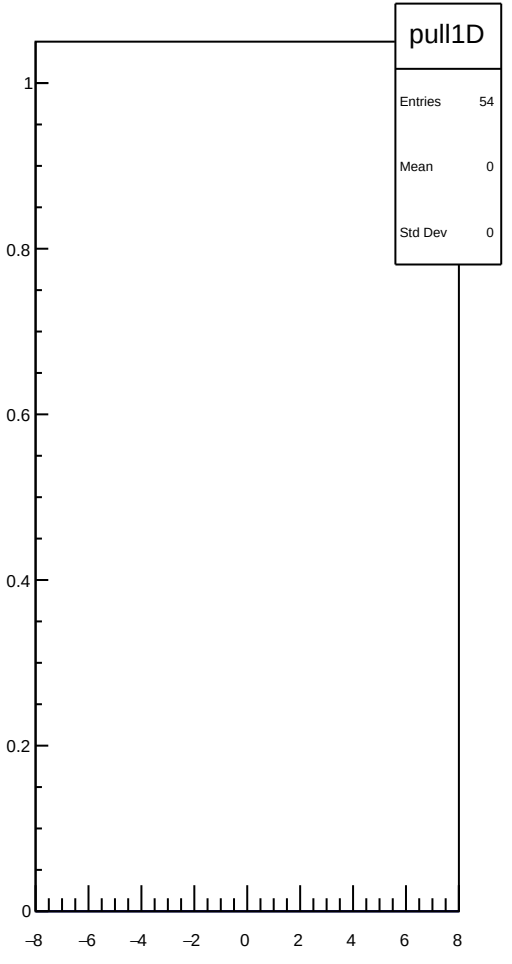

yield_bpm2i01WS_rms vs run
χ² / ndf 1.909e+04 / 53
p0 136.4 ± 0.1323
600
500
400
300
200
100
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

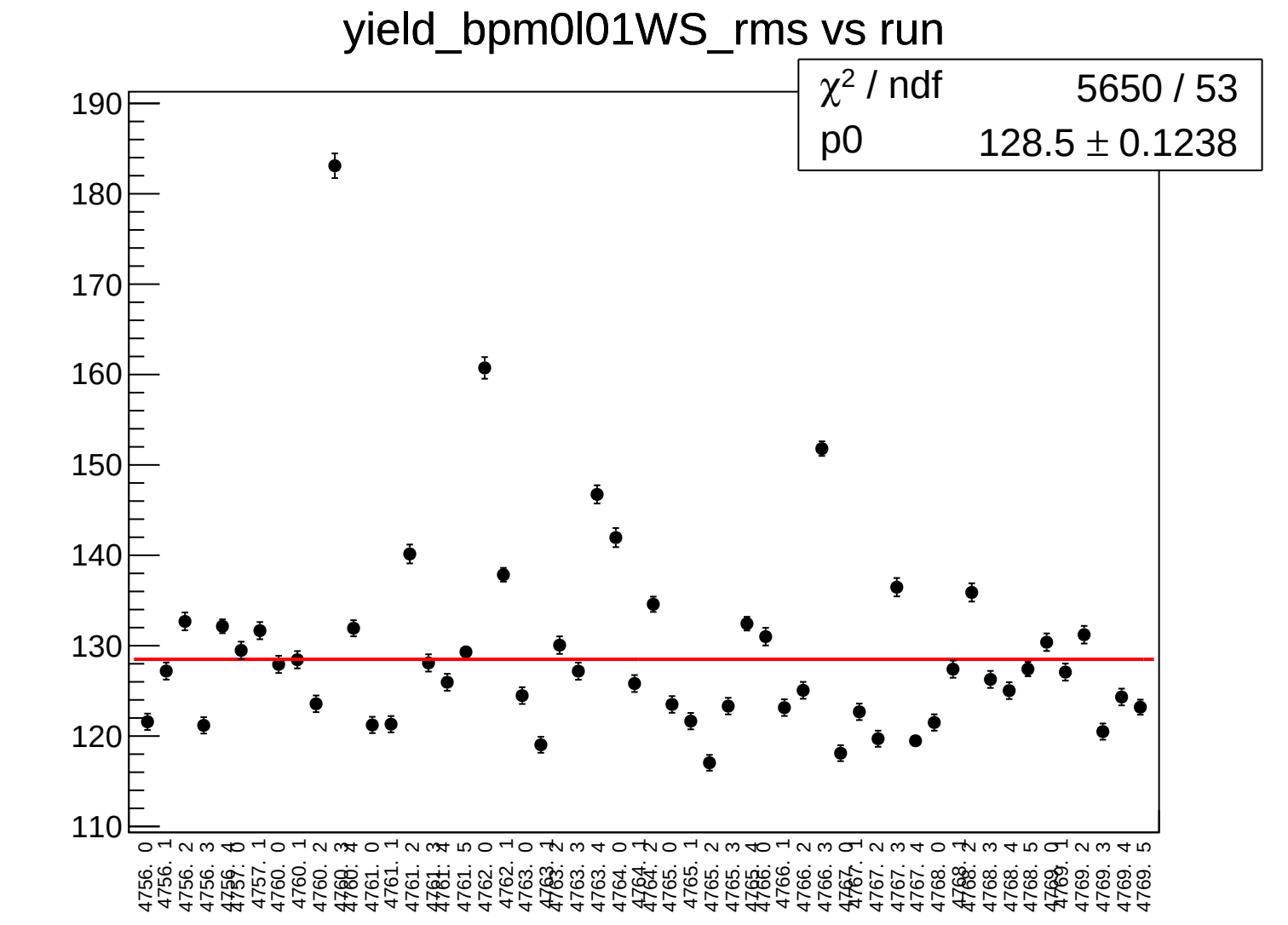

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 1.335e+06 / 53
p0 1.19e+05 ± 0.2458
119.6
119.4
119.2
119
118.8
118.6
118.4
pull
Entries 54
Mean 658.5
Std Dev 641
500
400
300
200
100
0
−100
−200

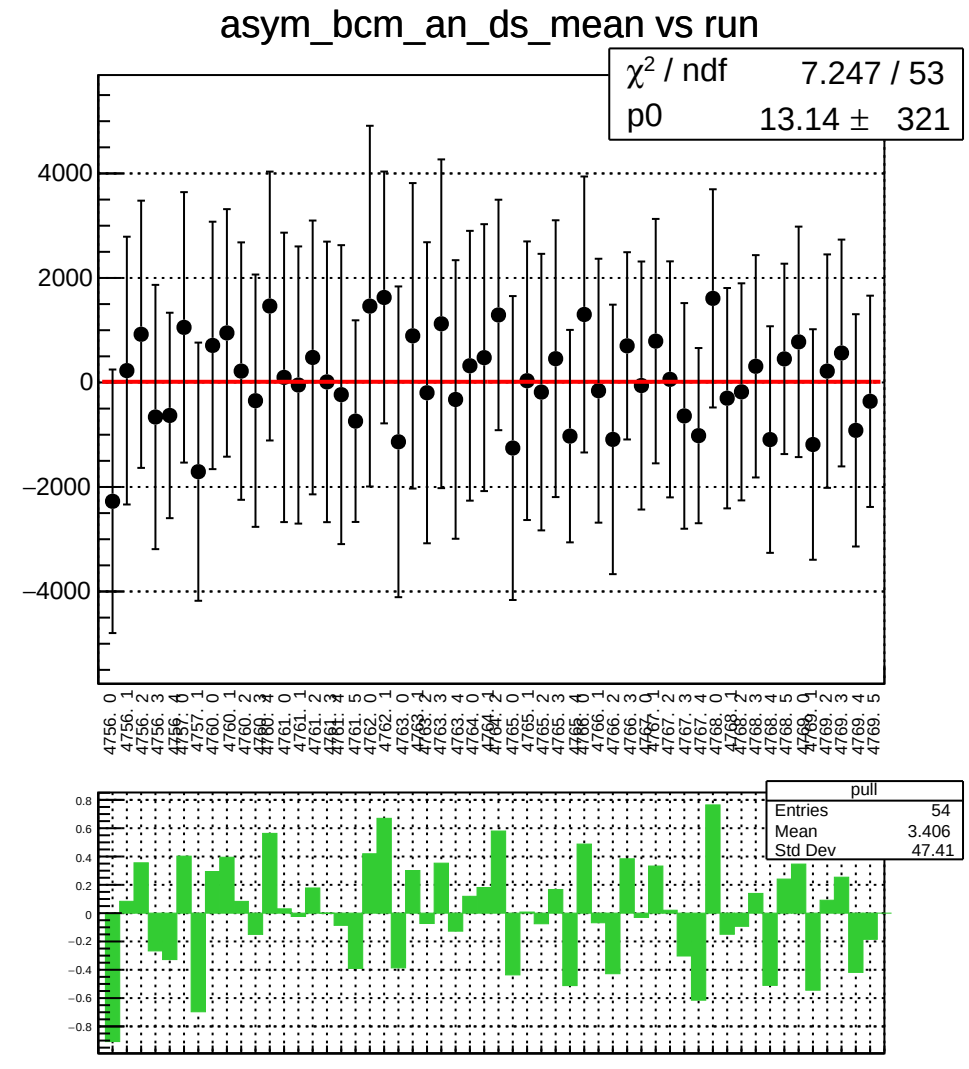

pull1D
Entries 54
Mean −1.776
Std Dev 0.9145
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

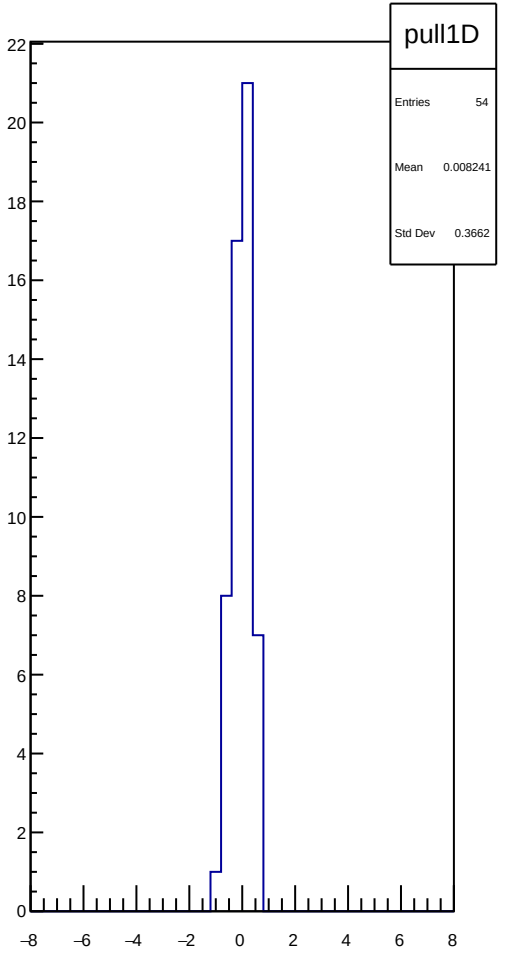

yield_bpm0i07WS_rms vs run
χ² / ndf 1471 / 53
p0 180.7 ± 0.1738
200
195
190
185
180
175
170
165
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

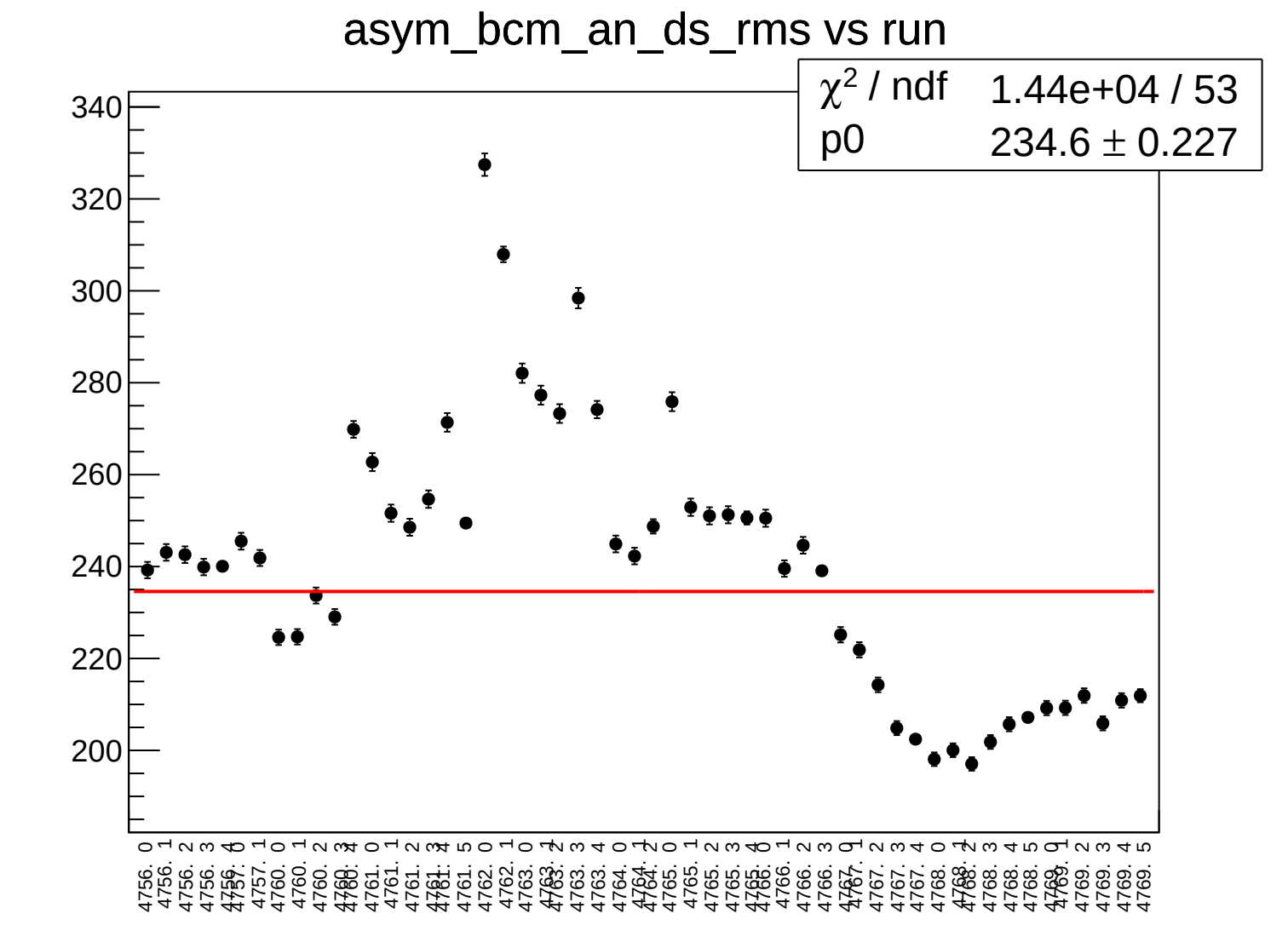

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 7.472e+06 / 53
p0 1.058e+05 ± 0.1751
107.2
107
106.8
106.6
106.4
106.2
106
105.8
105.6
105.4
pull
Entries 54
Mean −1425
Std Dev 1444
1000
800
600
400
200
0
−200

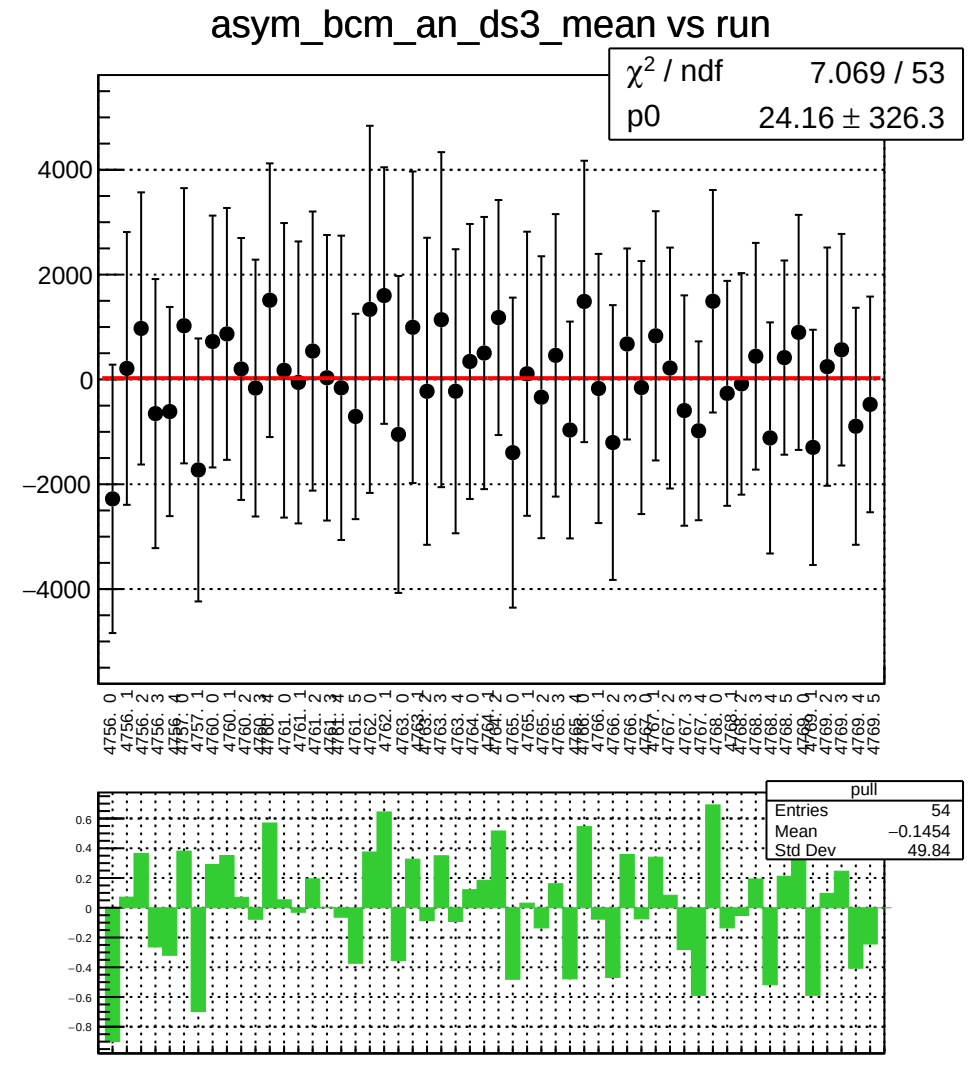

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

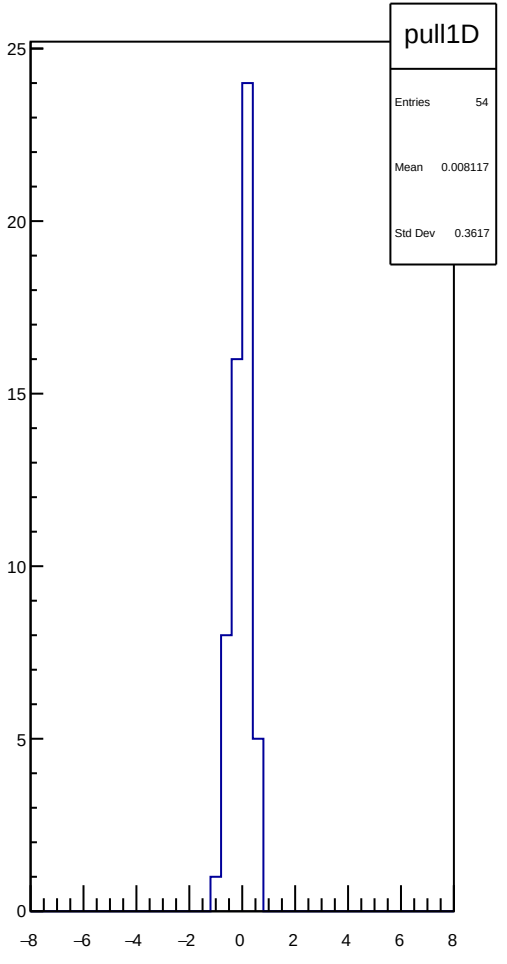

yield_bpm0l01WS_rms vs run
χ² / ndf 5650 / 53
p0 128.5 ± 0.1238
190
180
170
160
150
140
130
120
110
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

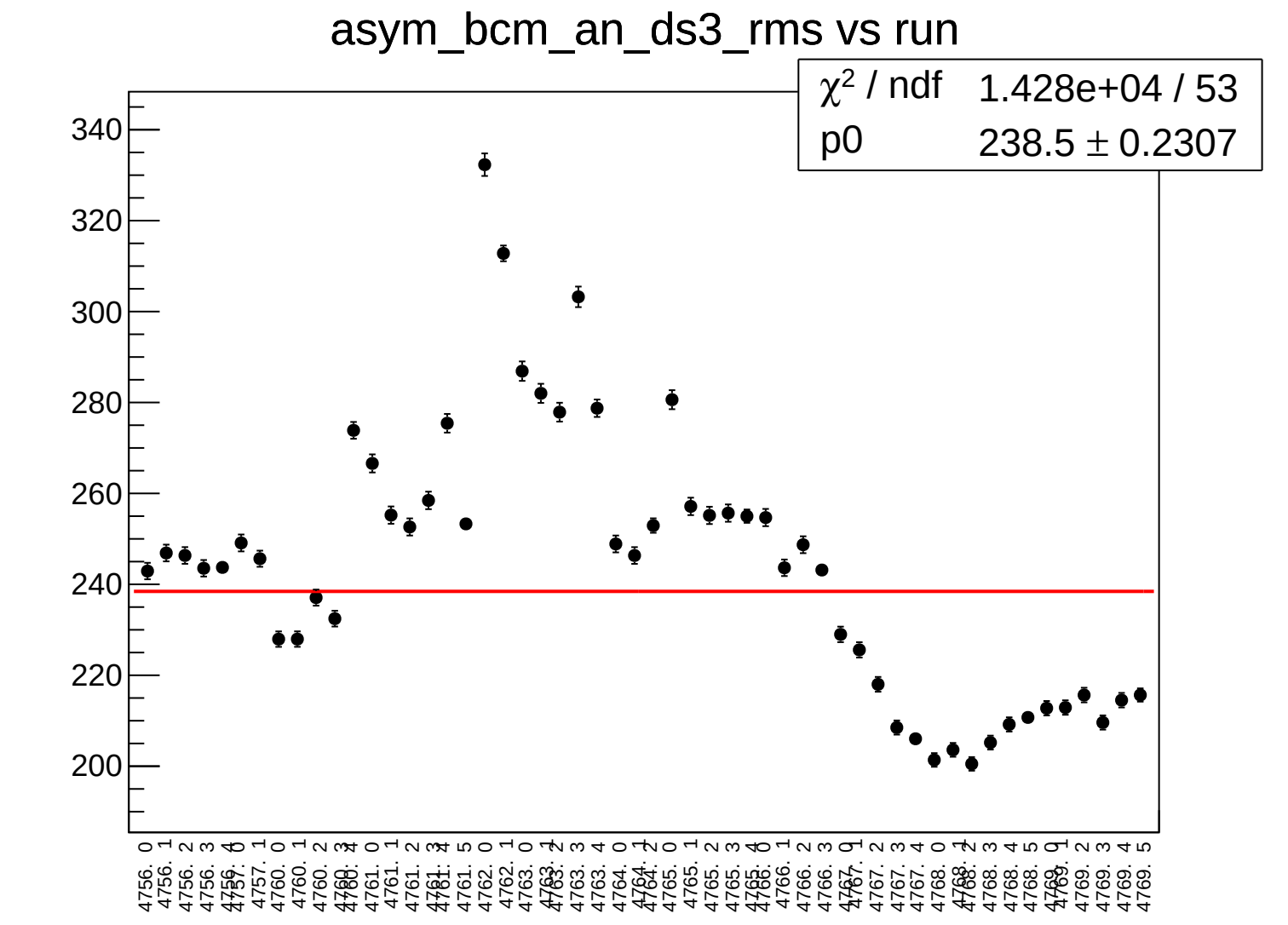

asym_bcm_an_ds_mean vs run
χ² / ndf 7.247 / 53
p0 13.14 ± 321
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 3.406
Std Dev 47.41
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

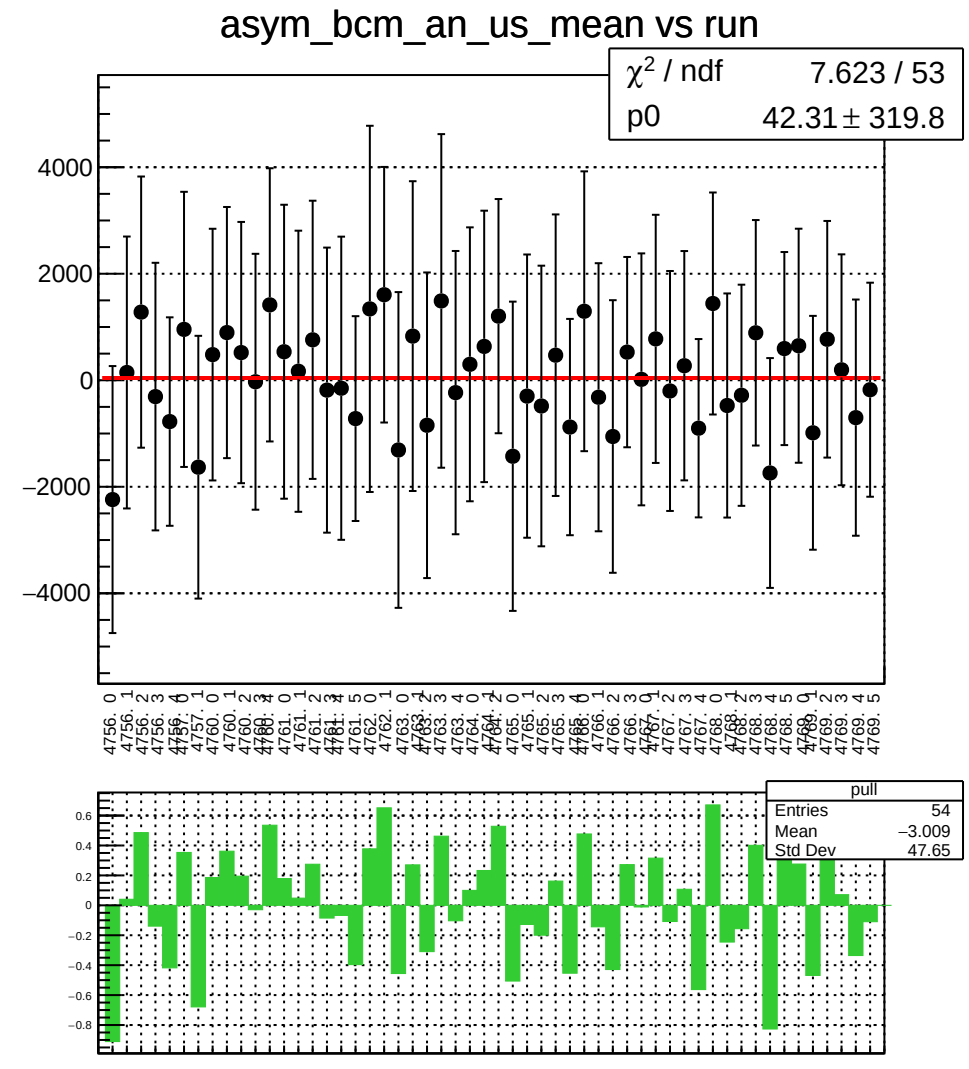

pull1D
Entries 54
Mean 0.008241
Std Dev 0.3662
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

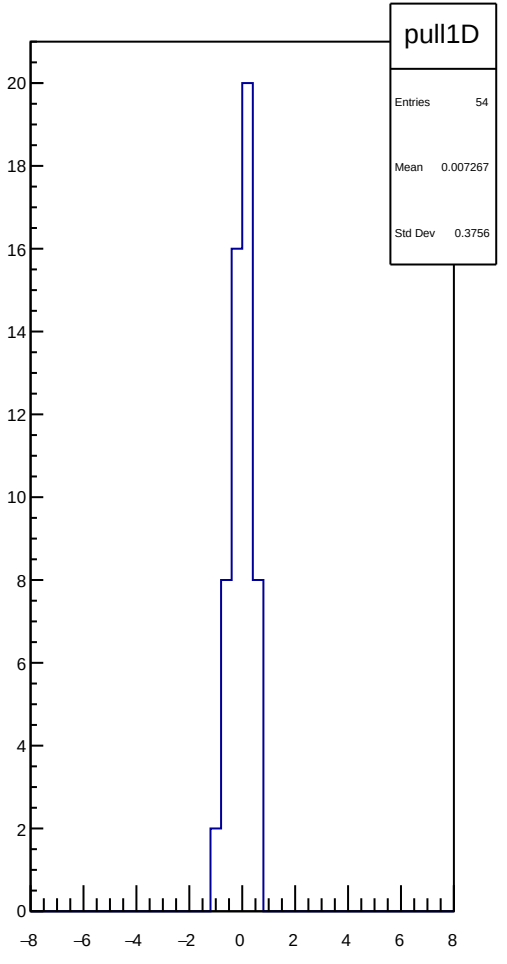

asym_bcm_an_ds_rms vs run
χ² / ndf 1.44e+04 / 53
p0 234.6 ± 0.227
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

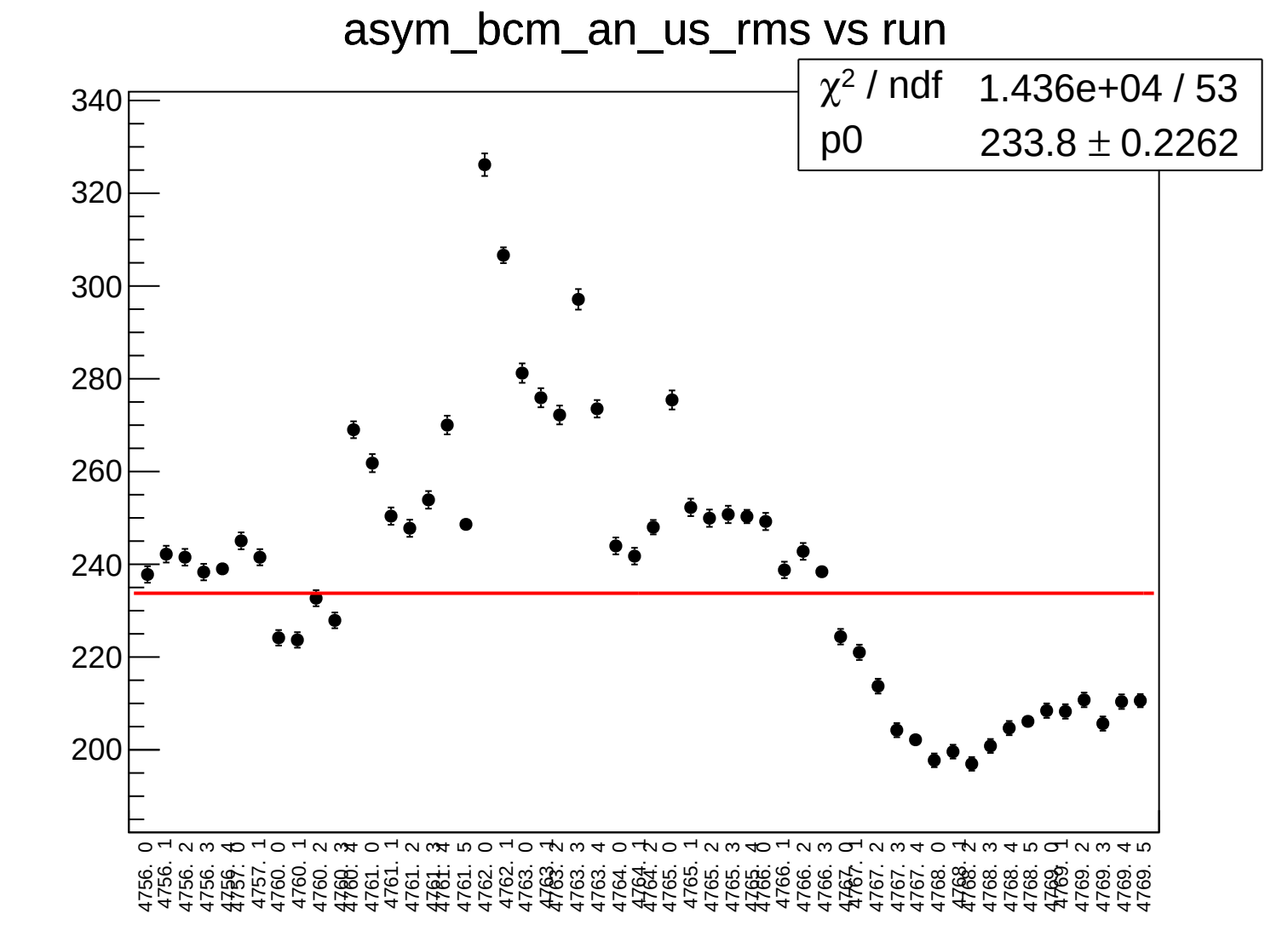

asym_bcm_an_ds3_mean vs run
χ² / ndf 7.069 / 53
p0 24.16 ± 326.3
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −0.1454
Std Dev 49.84
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

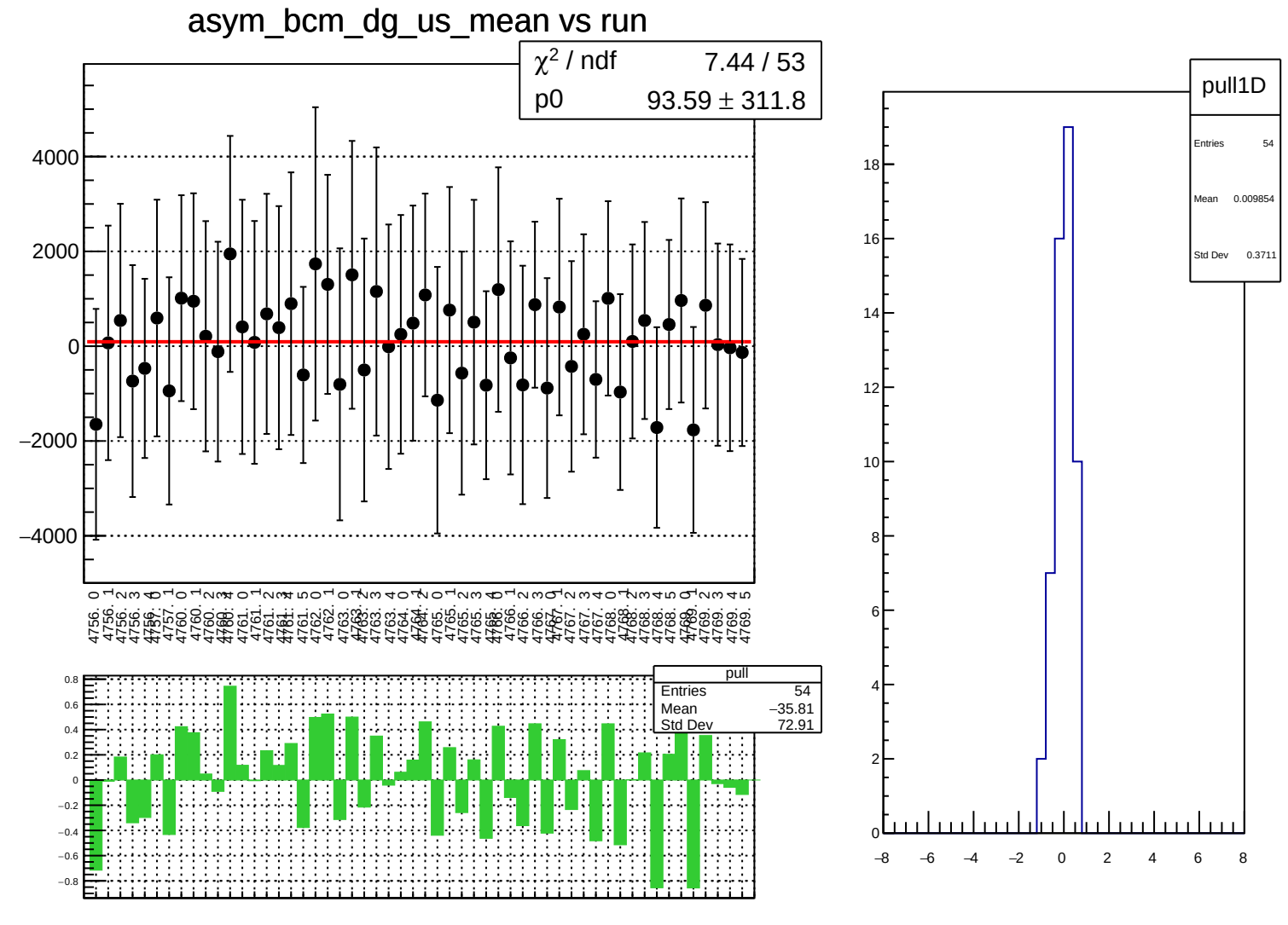

pull1D
Entries 54
Mean 0.008117
Std Dev 0.3617
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

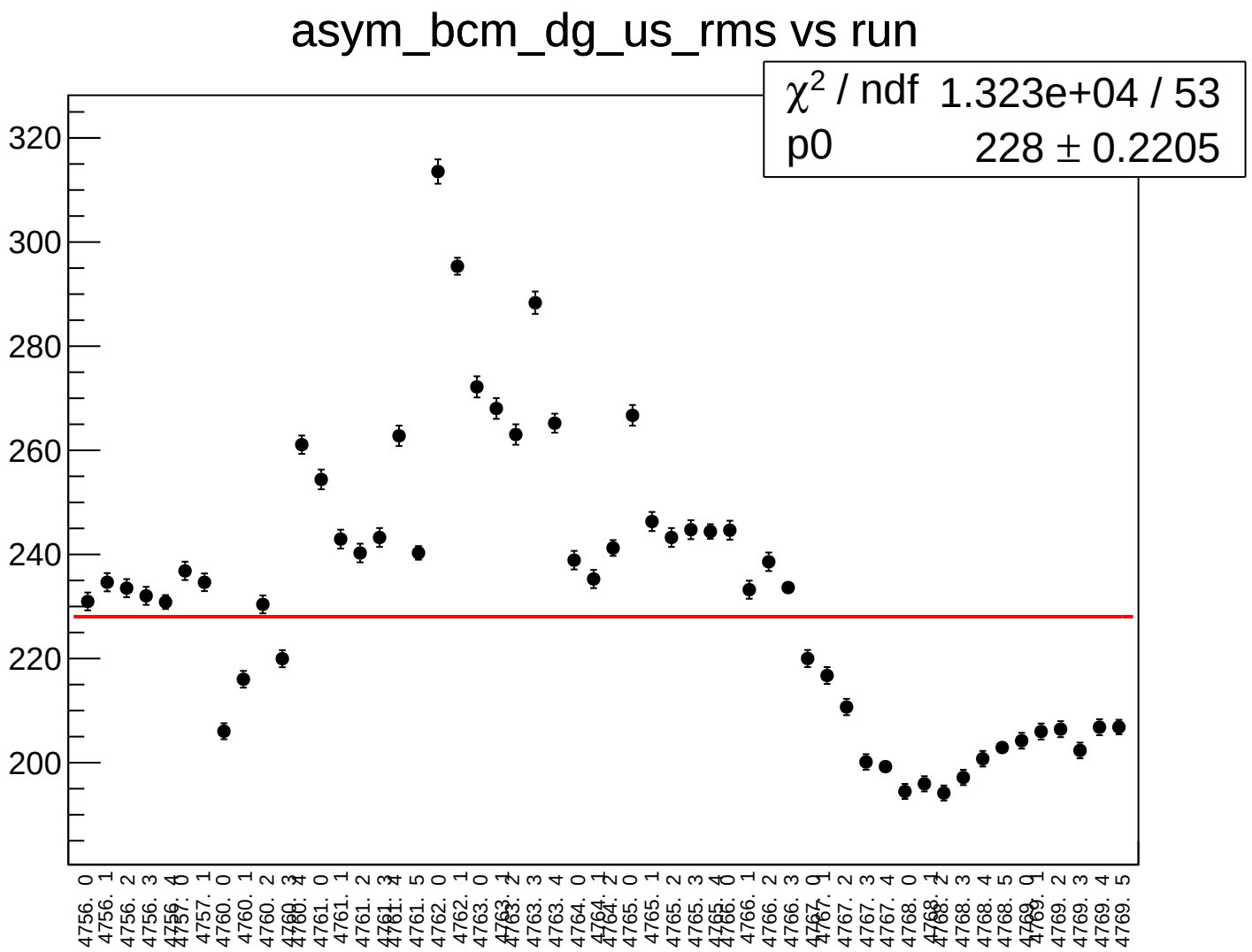

asym_bcm_an_ds3_rms vs run
χ² / ndf 1.428e+04 / 53
p0 238.5 ± 0.2307
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

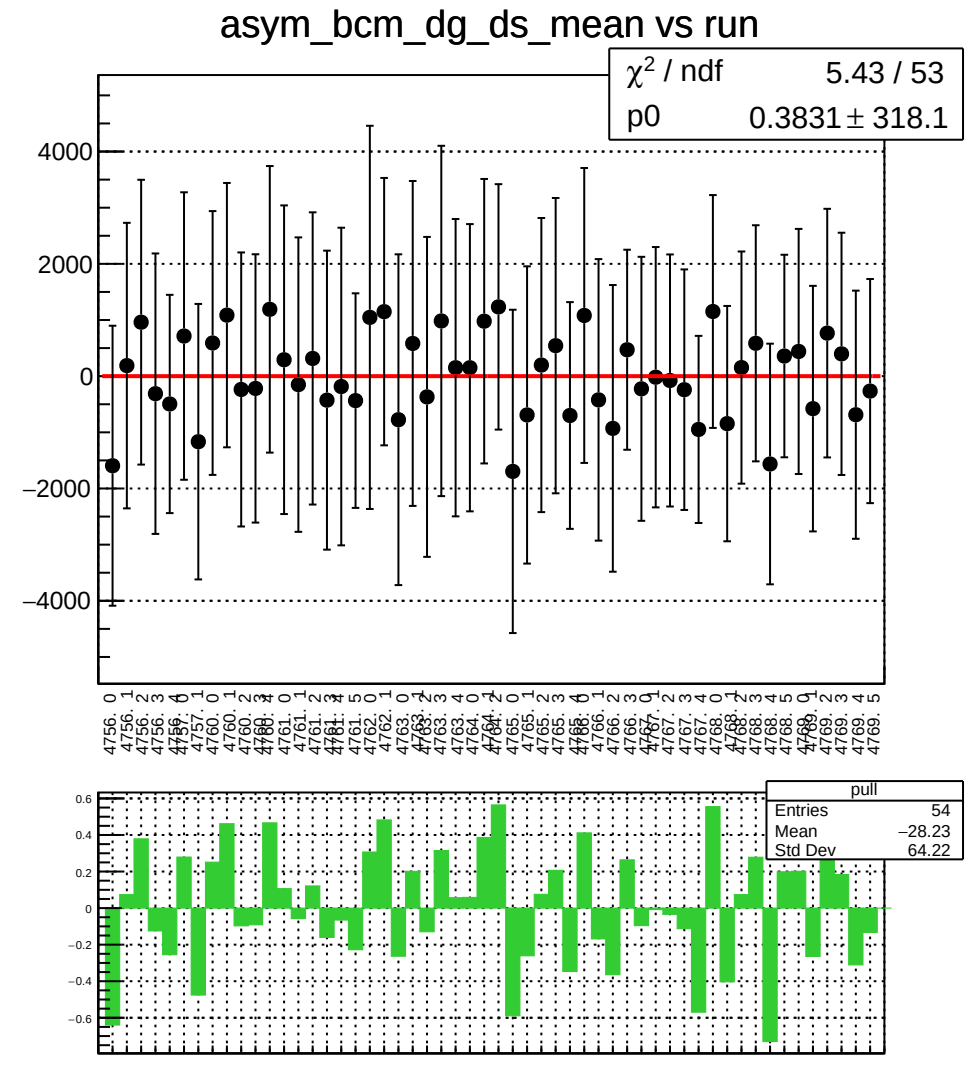

asym_bcm_an_us_mean vs run
χ² / ndf 7.623 / 53
p0 42.31 ± 319.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −3.009
Std Dev 47.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

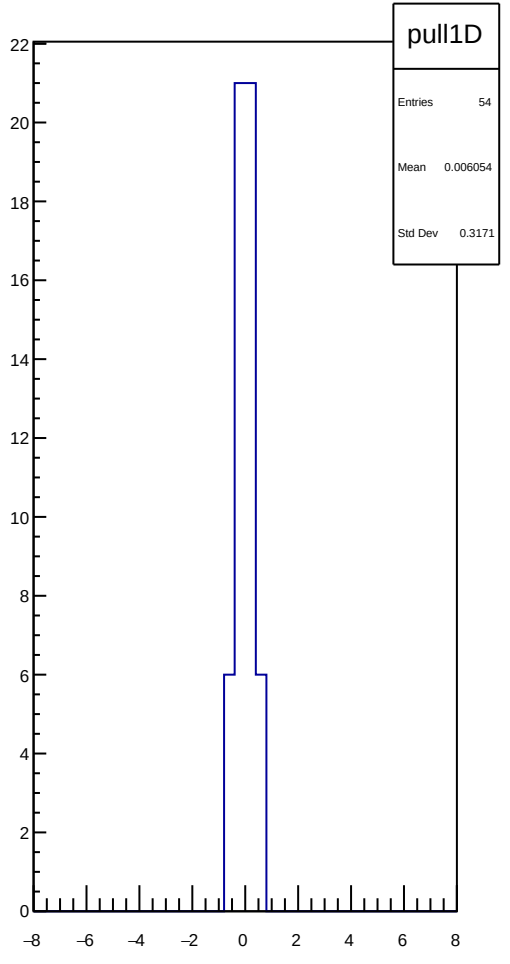

pull1D
Entries 54
Mean 0.007267
Std Dev 0.3756
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

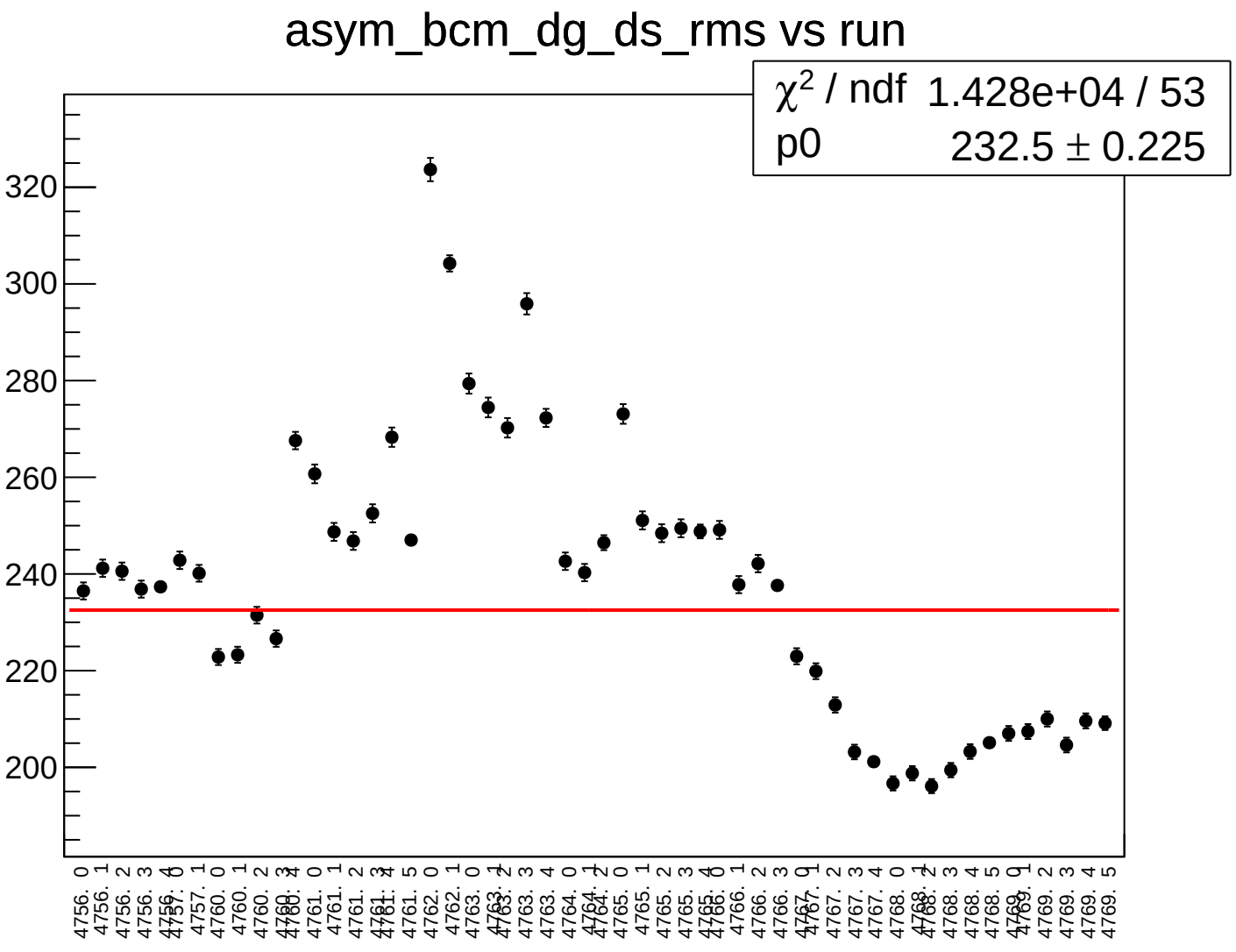

asym_bcm_an_us_rms vs run
χ² / ndf 1.436e+04 / 53
p0 233.8 ± 0.2262
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

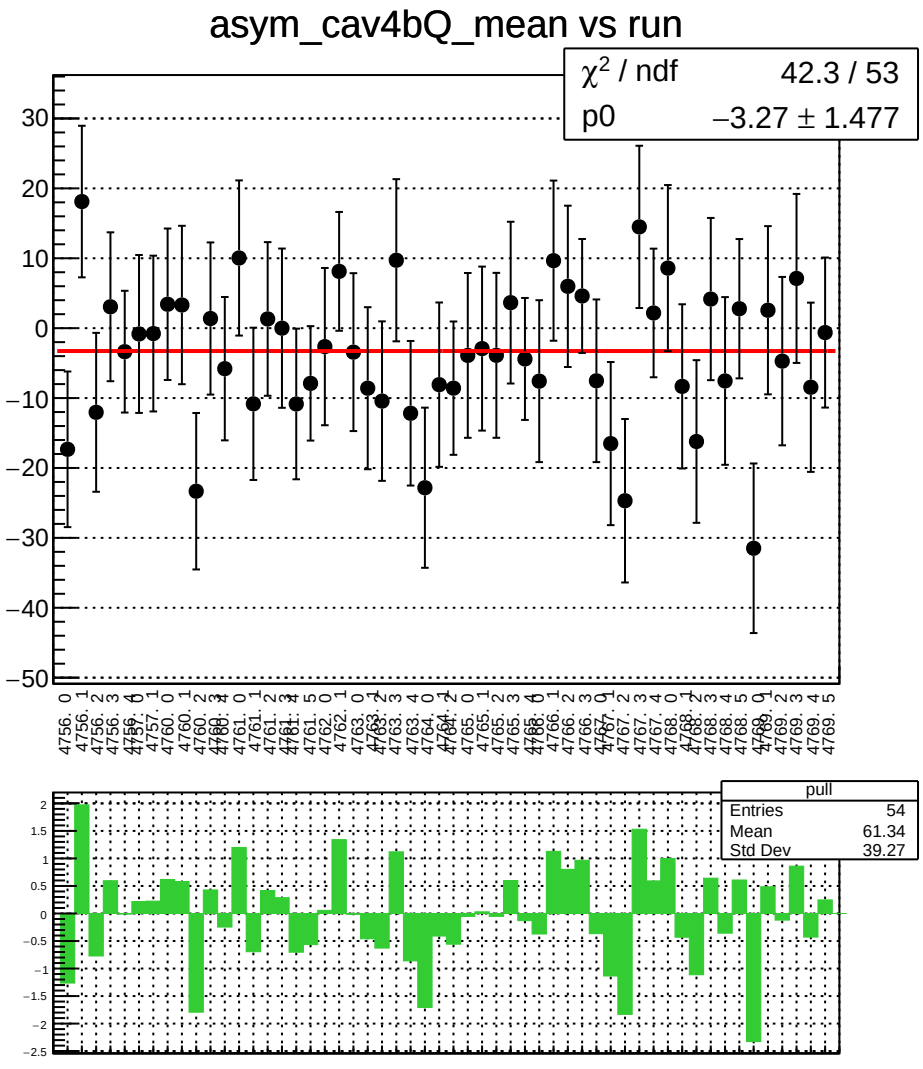

asym_bcm_dg_us_mean vs run
χ² / ndf 7.44 / 53
p0 93.59 ± 311.8
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −35.81
Std Dev 72.91
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 54
Mean 0.009854
Std Dev 0.3711
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

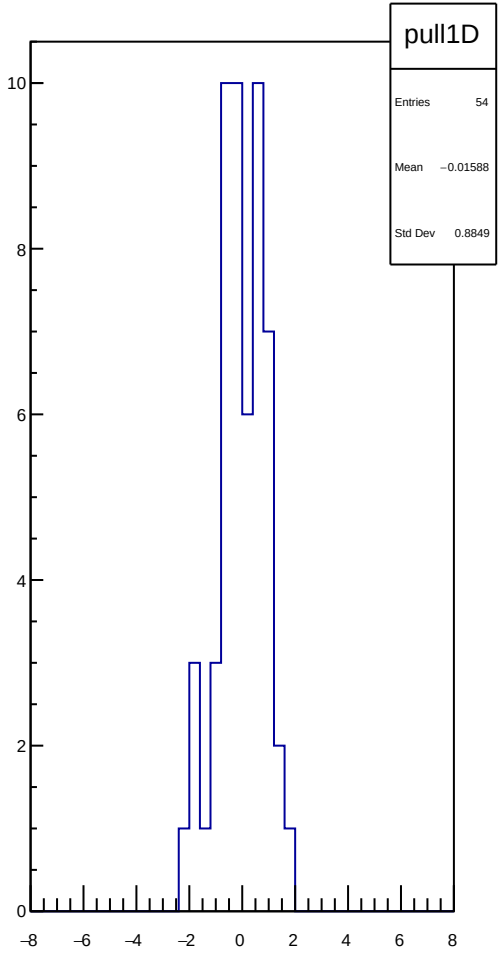

asym_bcm_dg_us_rms vs run
χ² / ndf 1.323e+04 / 53
p0 228 ± 0.2205
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

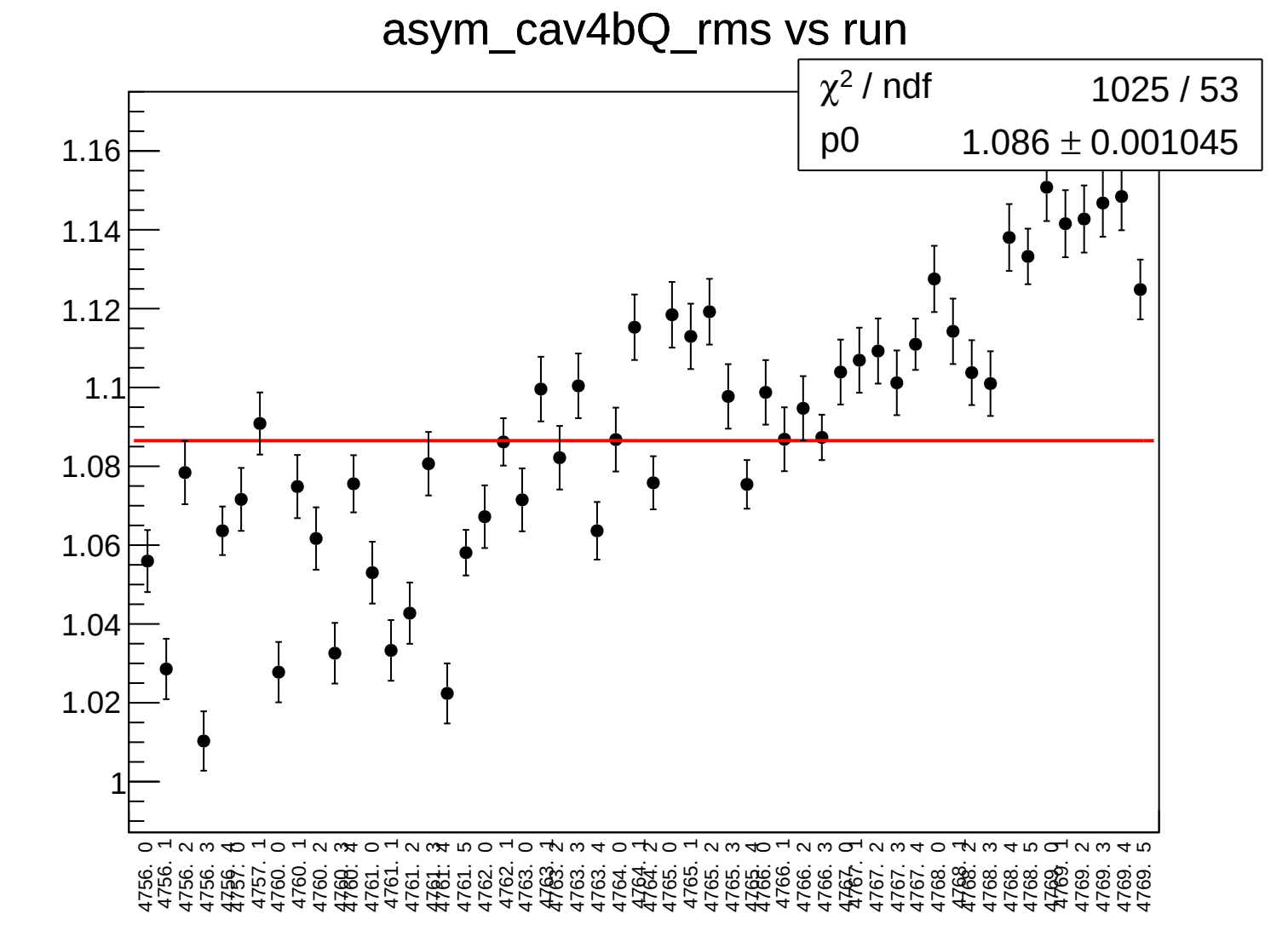

asym_bcm_dg_ds_mean vs run
χ² / ndf 5.43 / 53
p0 0.3831 ± 318.1
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −28.23
Std Dev 64.22
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

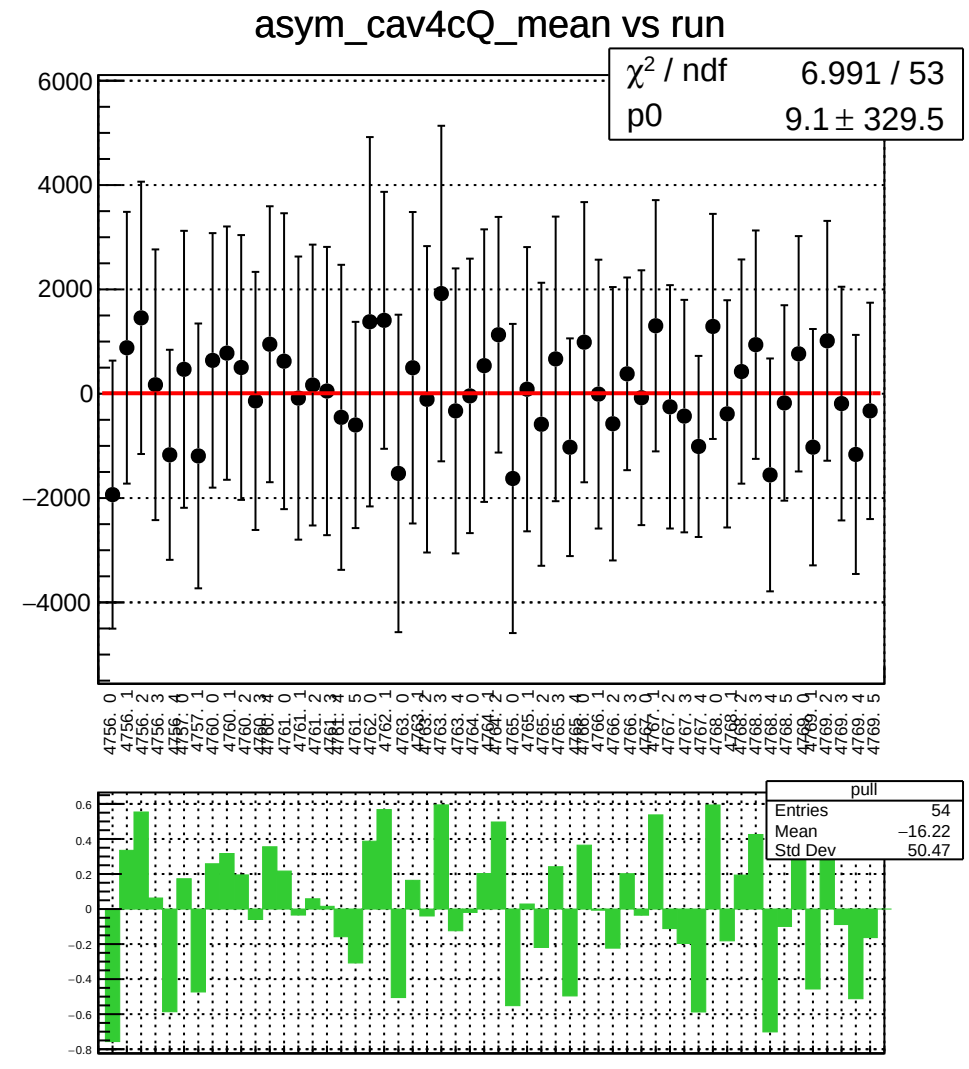

pull1D
Entries 54
Mean 0.006054
Std Dev 0.3171
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

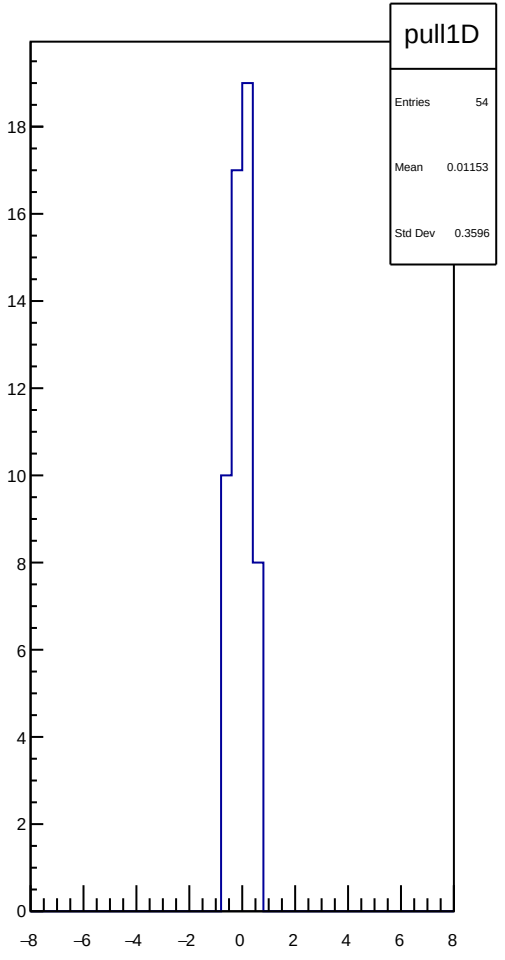

asym_bcm_dg_ds_rms vs run
χ² / ndf 1.428e+04 / 53
p0 232.5 ± 0.225
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

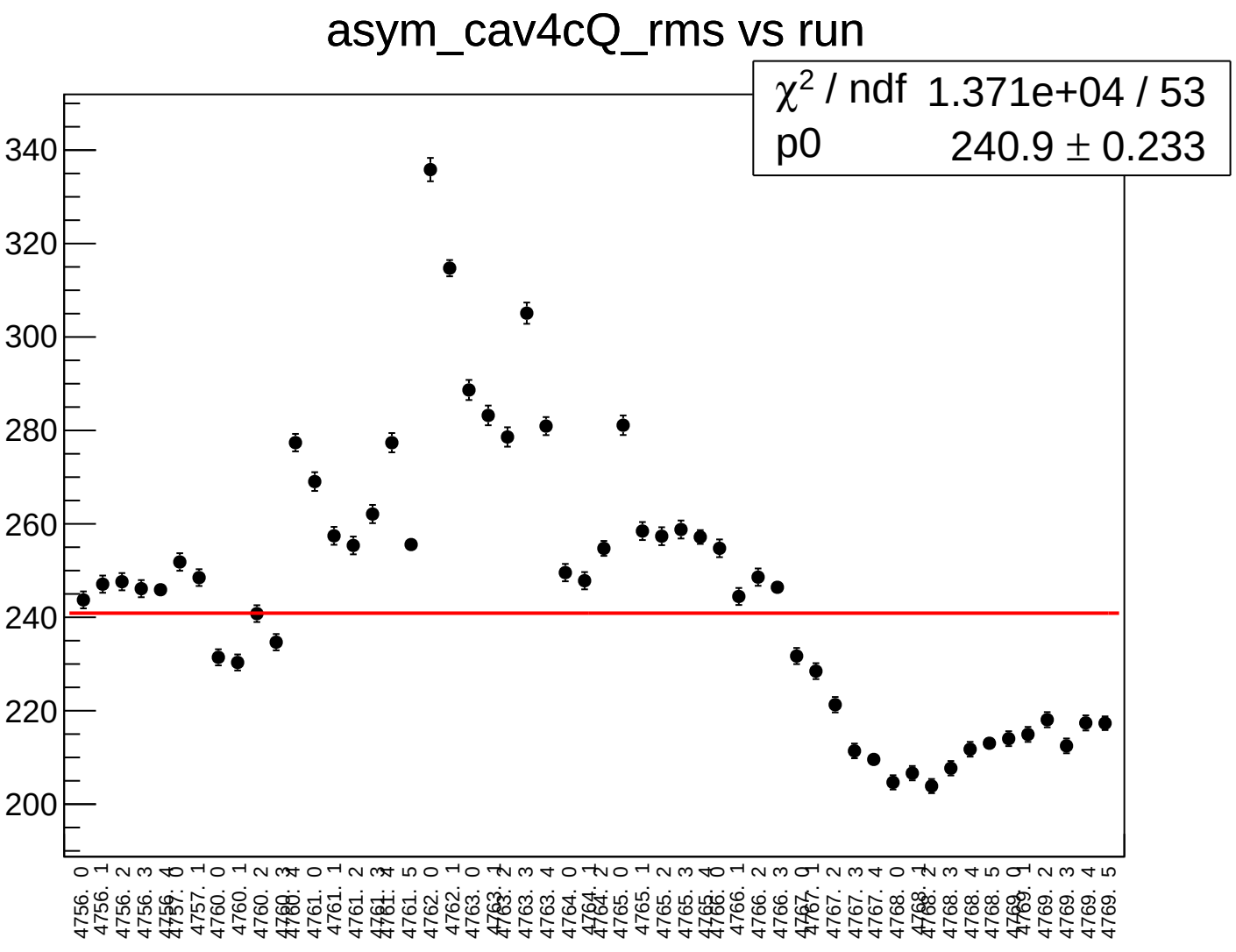

asym_cav4bQ_mean vs run
χ² / ndf 42.3 / 53
p0 −3.27 ± 1.477
pull
Entries 54
Mean 61.34
Std Dev 39.27

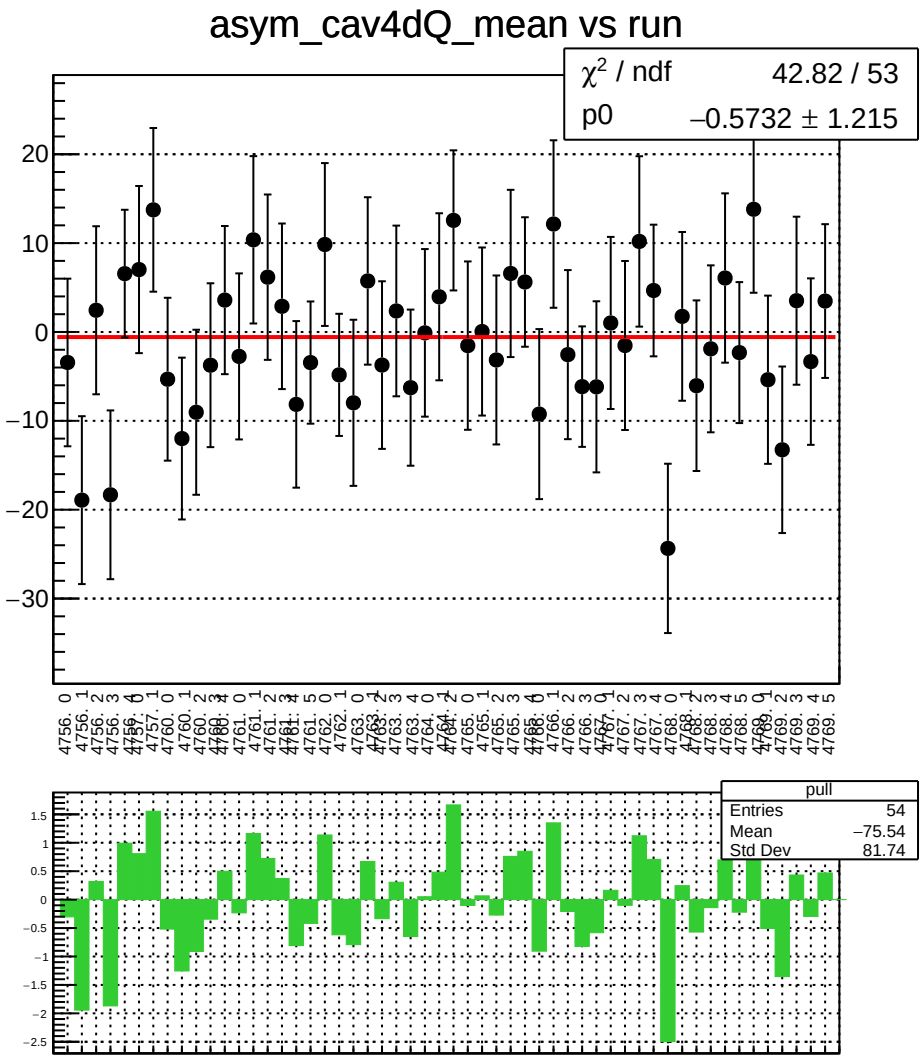

pull1D
Entries 54
Mean −0.01588
Std Dev 0.8849

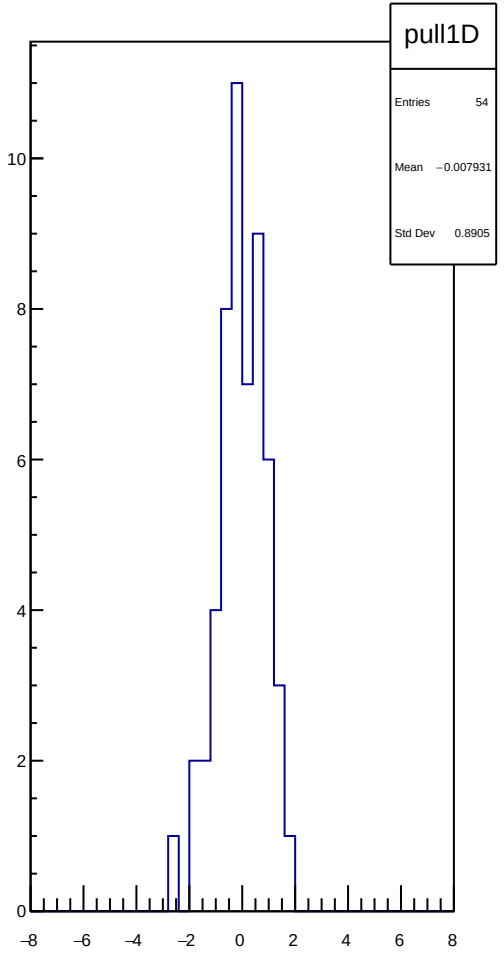

asym_cav4bQ_rms vs run
χ² / ndf 1025 / 53
p0 1.086 ± 0.001045
1.16
1.14
1.12
1.1
1.08
1.06
1.04
1.02
1
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

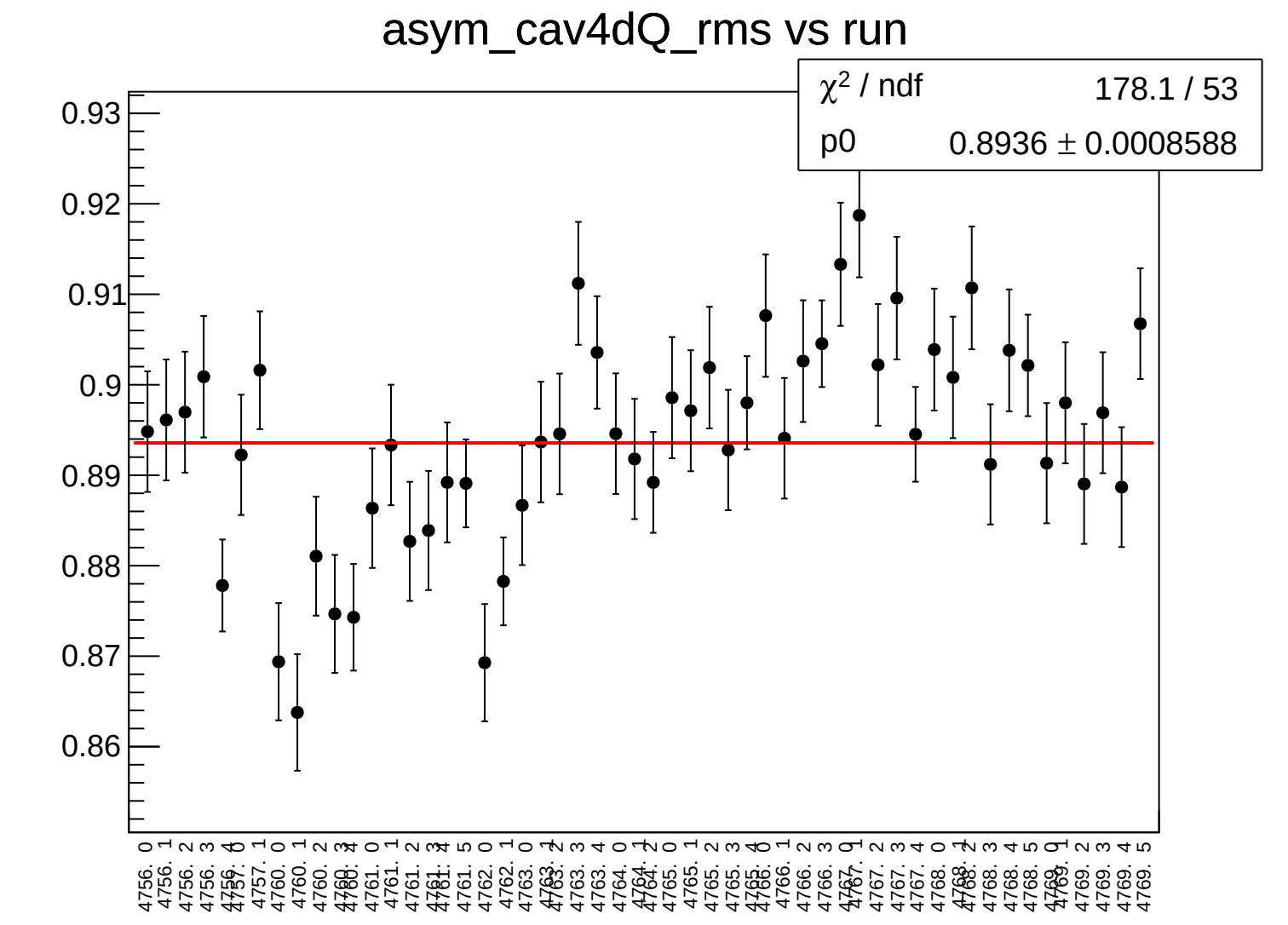

asym_cav4cQ_mean vs run
χ² / ndf 6.991 / 53
p0 9.1 ± 329.5
6000
4000
2000
0
−2000
−4000
pull
Entries 54
Mean −16.22
Std Dev 50.47
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8


pull1D
Entries 54
Mean 0.01153
Std Dev 0.3596
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4cQ_rms vs run
χ² / ndf 1.371e+04 / 53
p0 240.9 ± 0.233
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


asym_cav4dQ_mean vs run
χ² / ndf 42.82 / 53
p0 −0.5732 ± 1.215
pull
Entries 54
Mean −75.54
Std Dev 81.74


pull1D
Entries 54
Mean −0.007931
Std Dev 0.8905


asym_cav4dQ_rms vs run
χ² / ndf 178.1 / 53
p0 0.8936 ± 0.0008588
0.93
0.92
0.91
0.9
0.89
0.88
0.87
0.86
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
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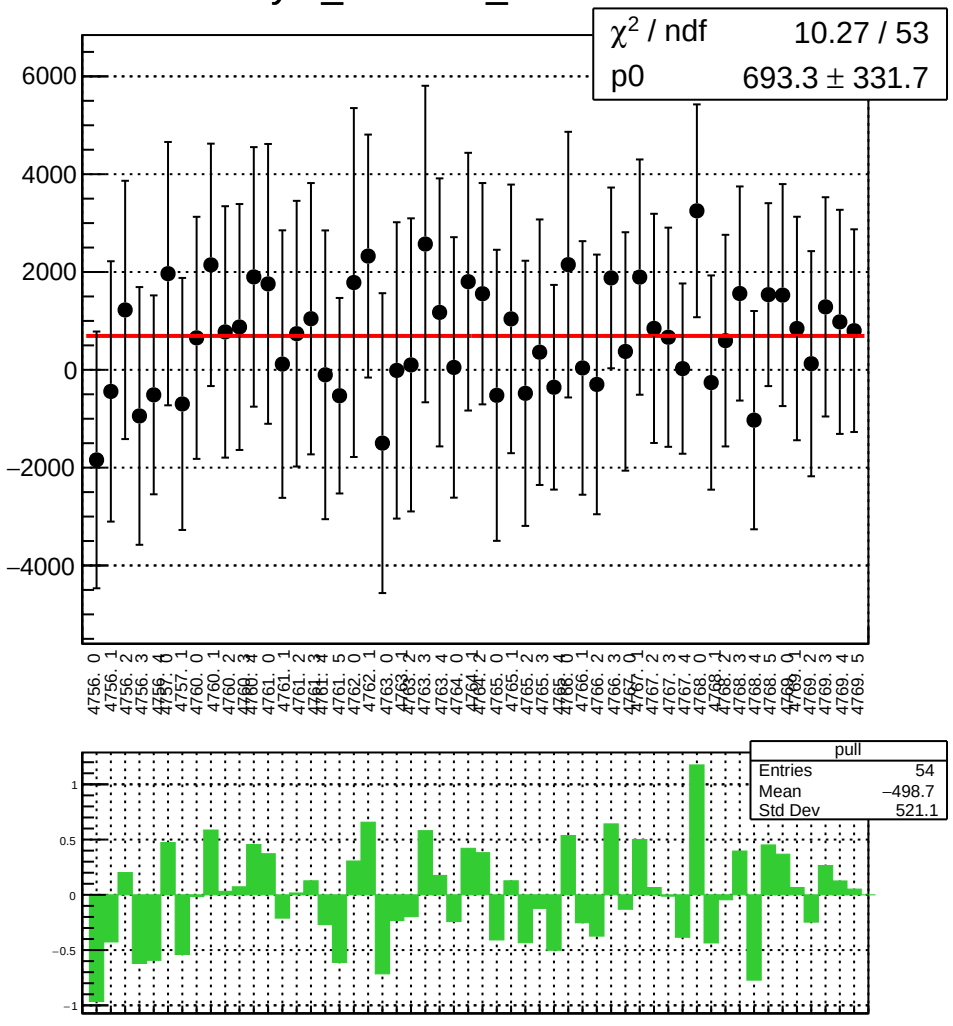
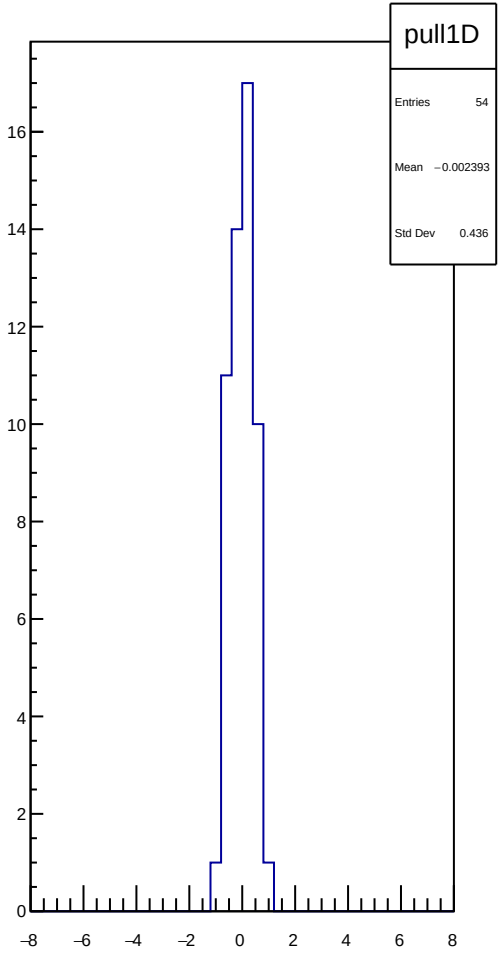
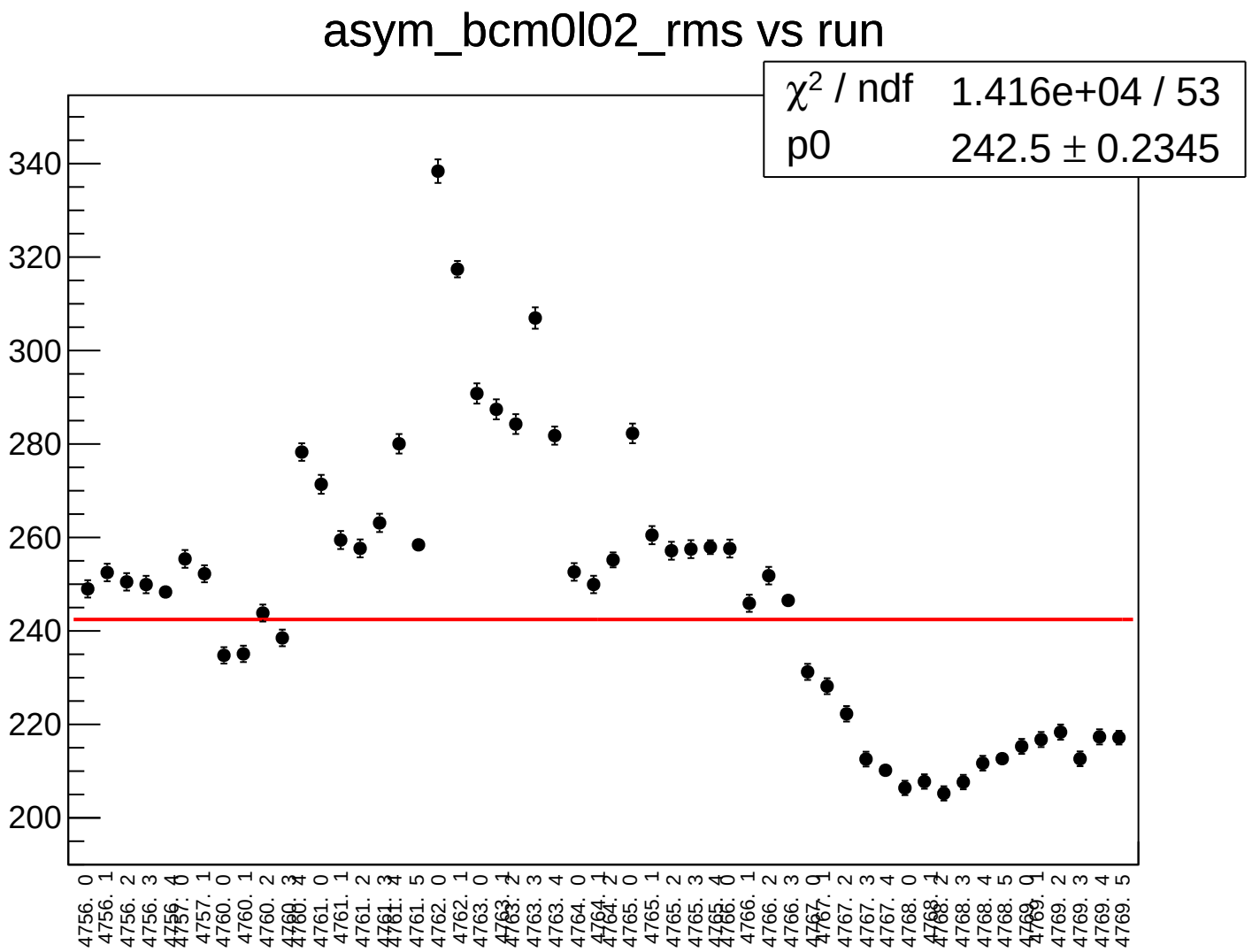
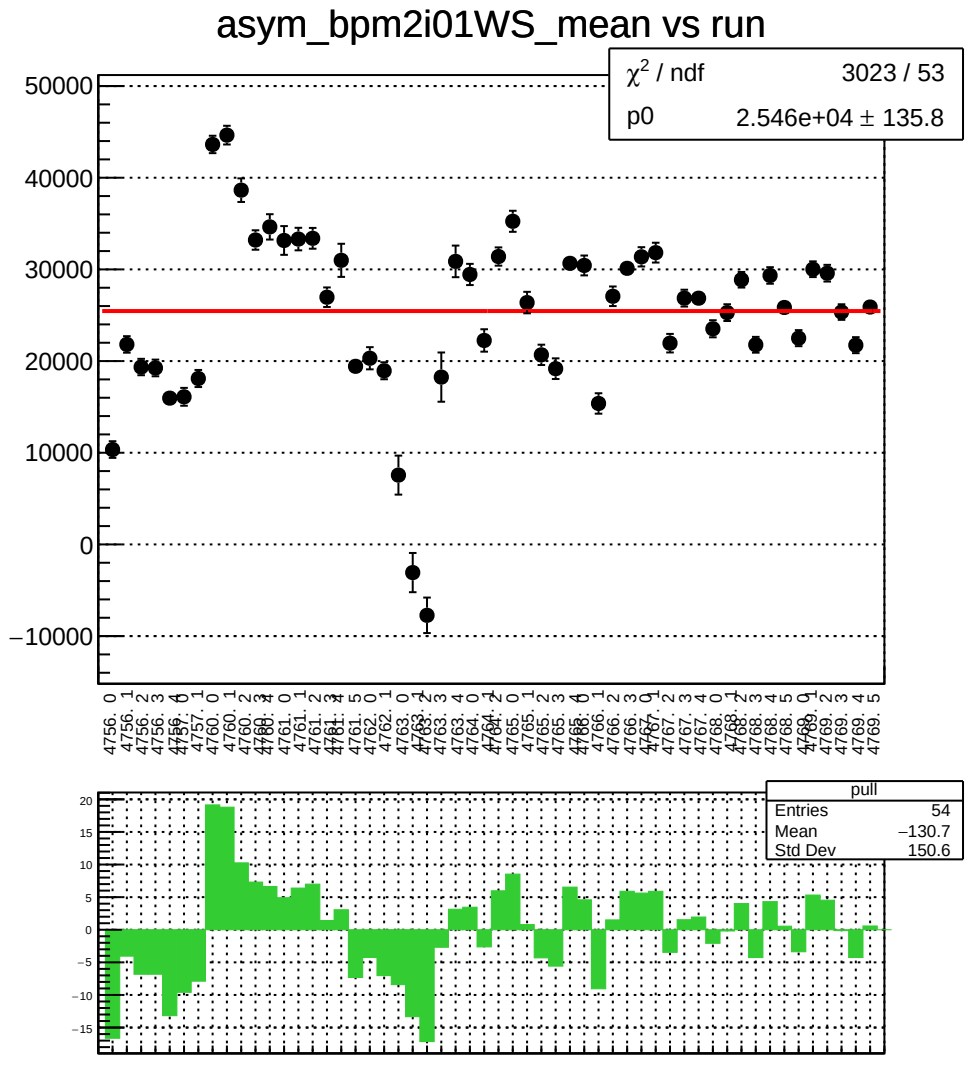
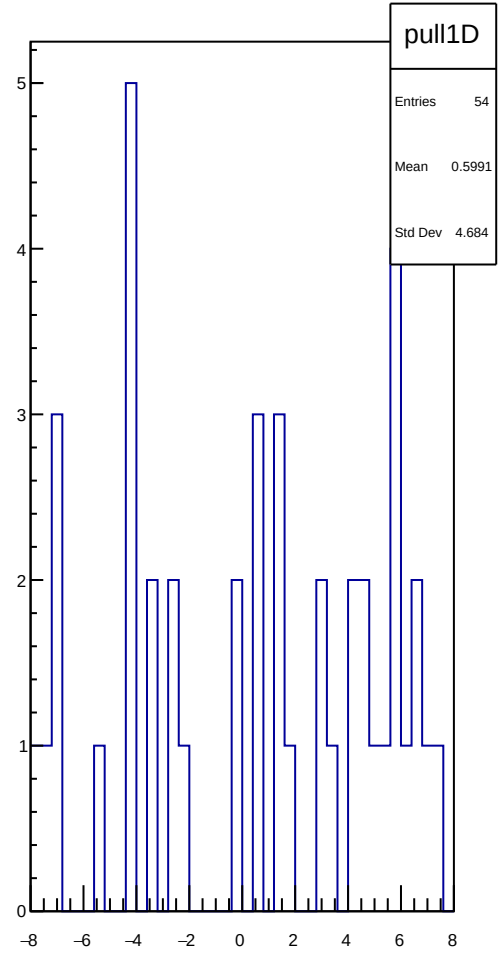
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

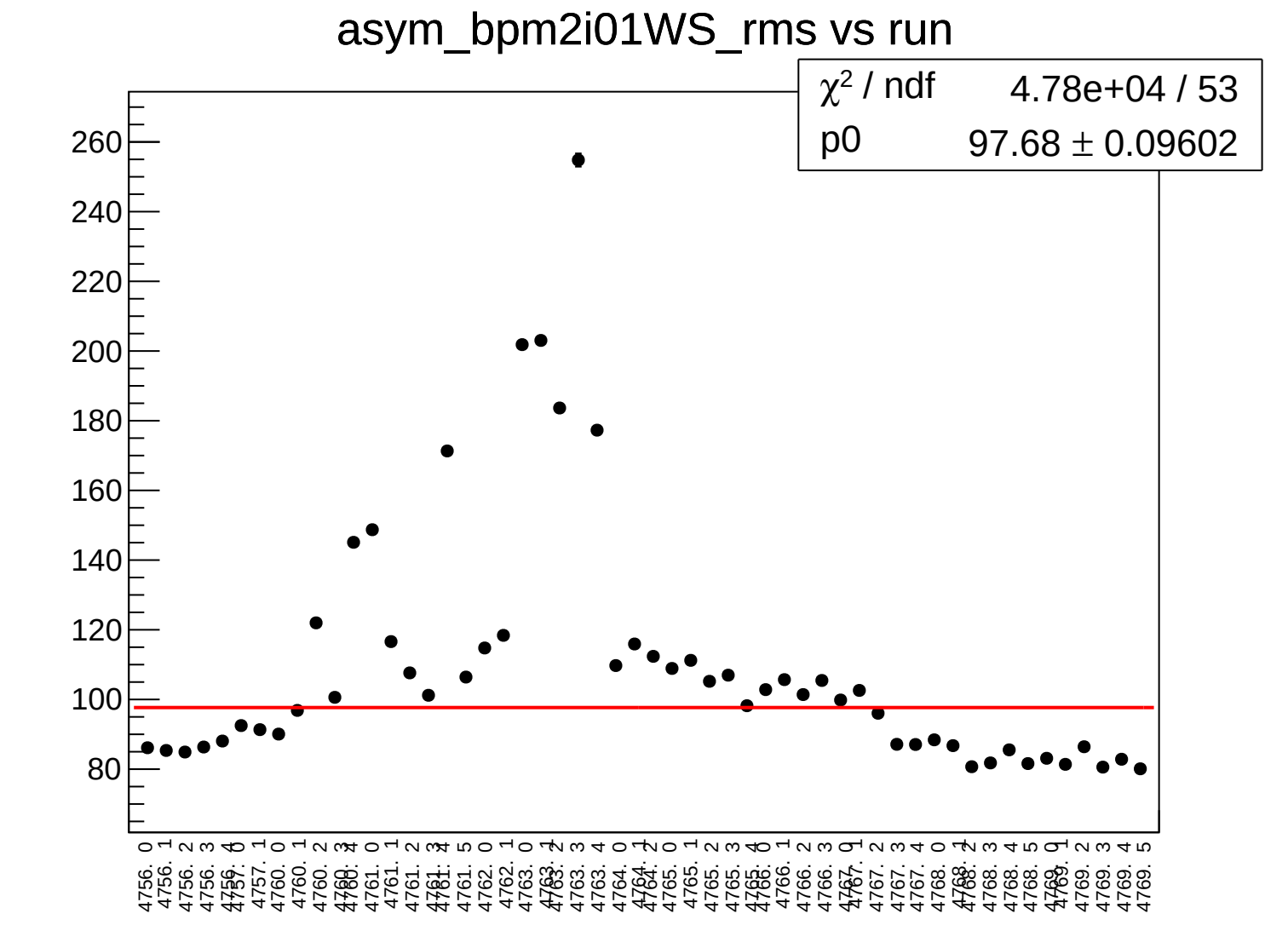

asym_bcm0l02_mean vs run
χ² / ndf 10.27 / 53
p0 693.3 ± 331.7
pull
Entries 54
Mean −498.7
Std Dev 521.1

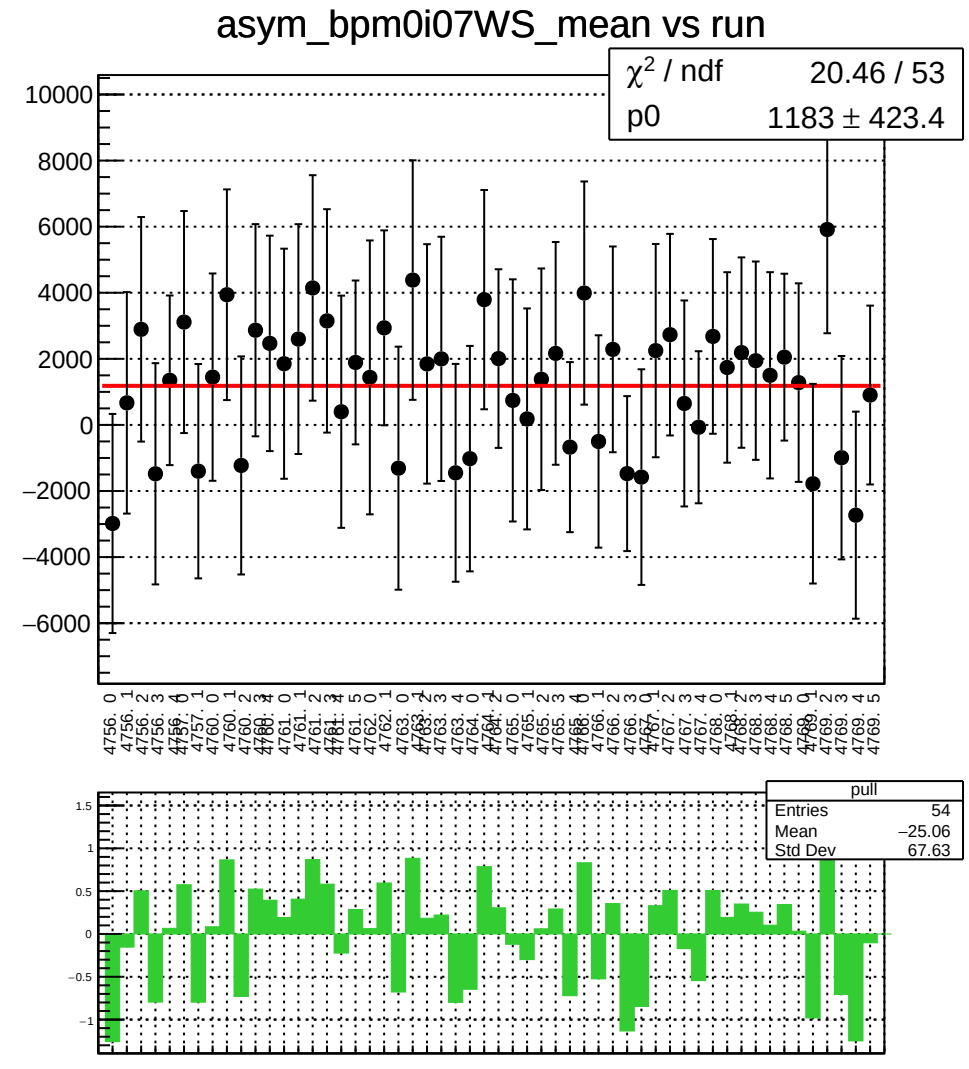

pull1D
Entries 54
Mean −0.002393
Std Dev 0.436

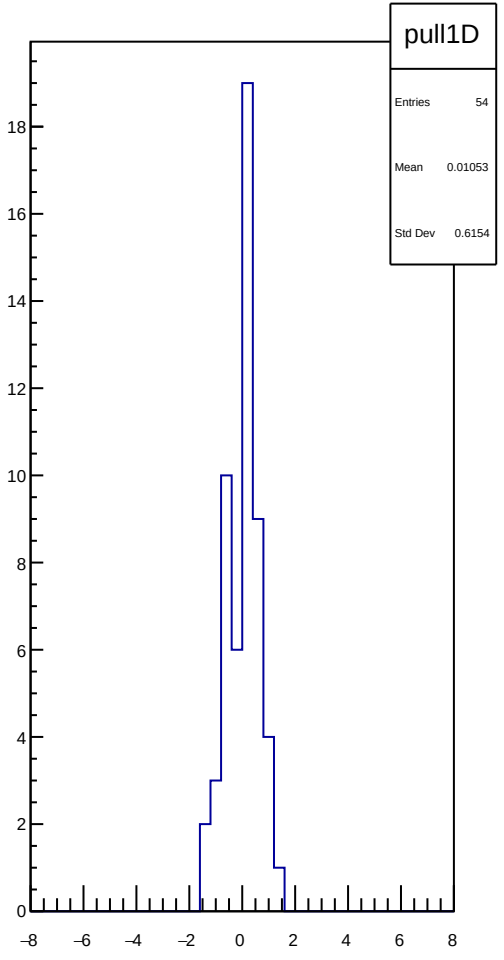

asym_bcm0l02_rms vs run
χ² / ndf 1.416e+04 / 53
p0 242.5 ± 0.2345
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

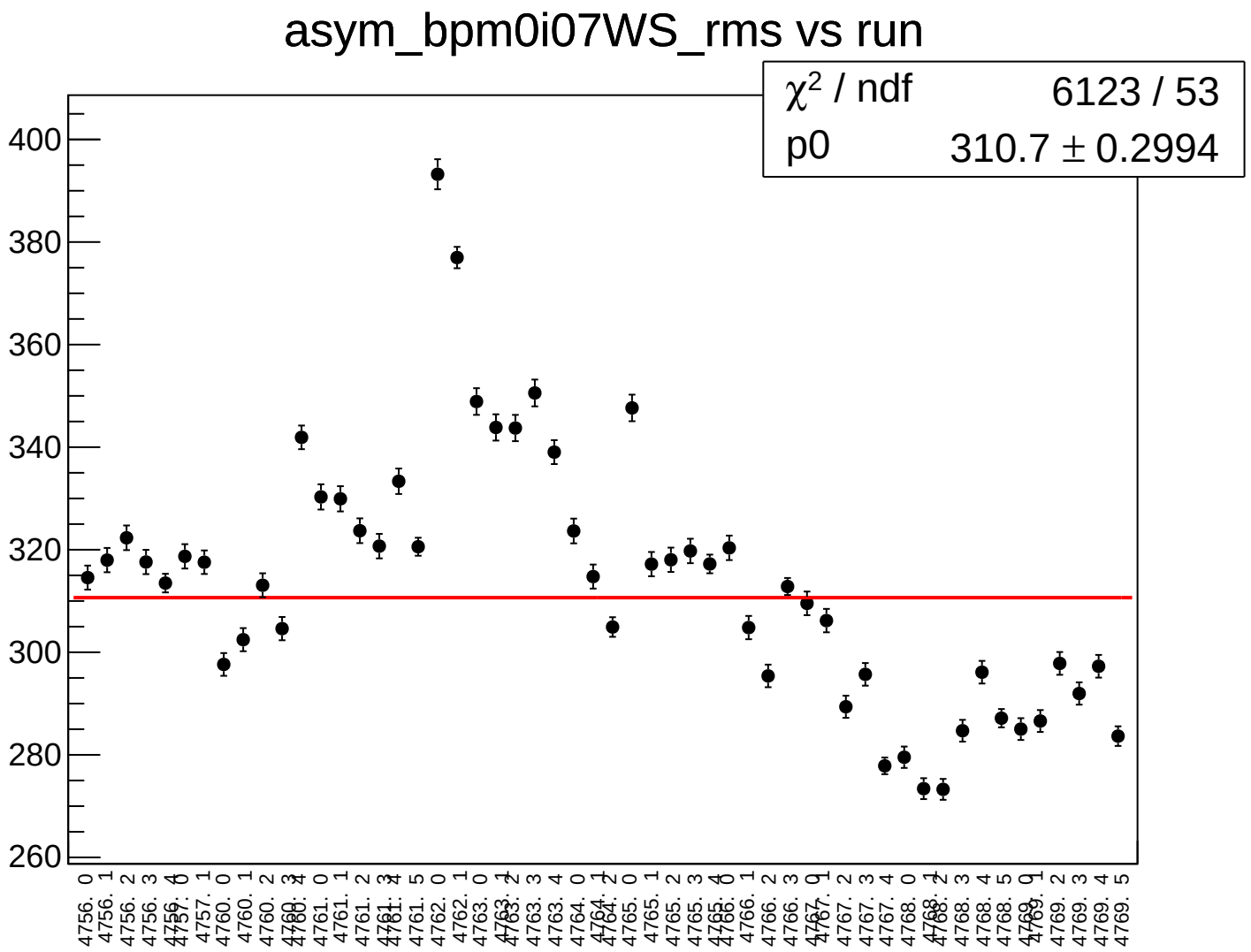

asym_bpm2i01WS_mean vs run
χ² / ndf 3023 / 53
p0 2.546e+04 ± 135.8
pull
Entries 54
Mean −130.7
Std Dev 150.6

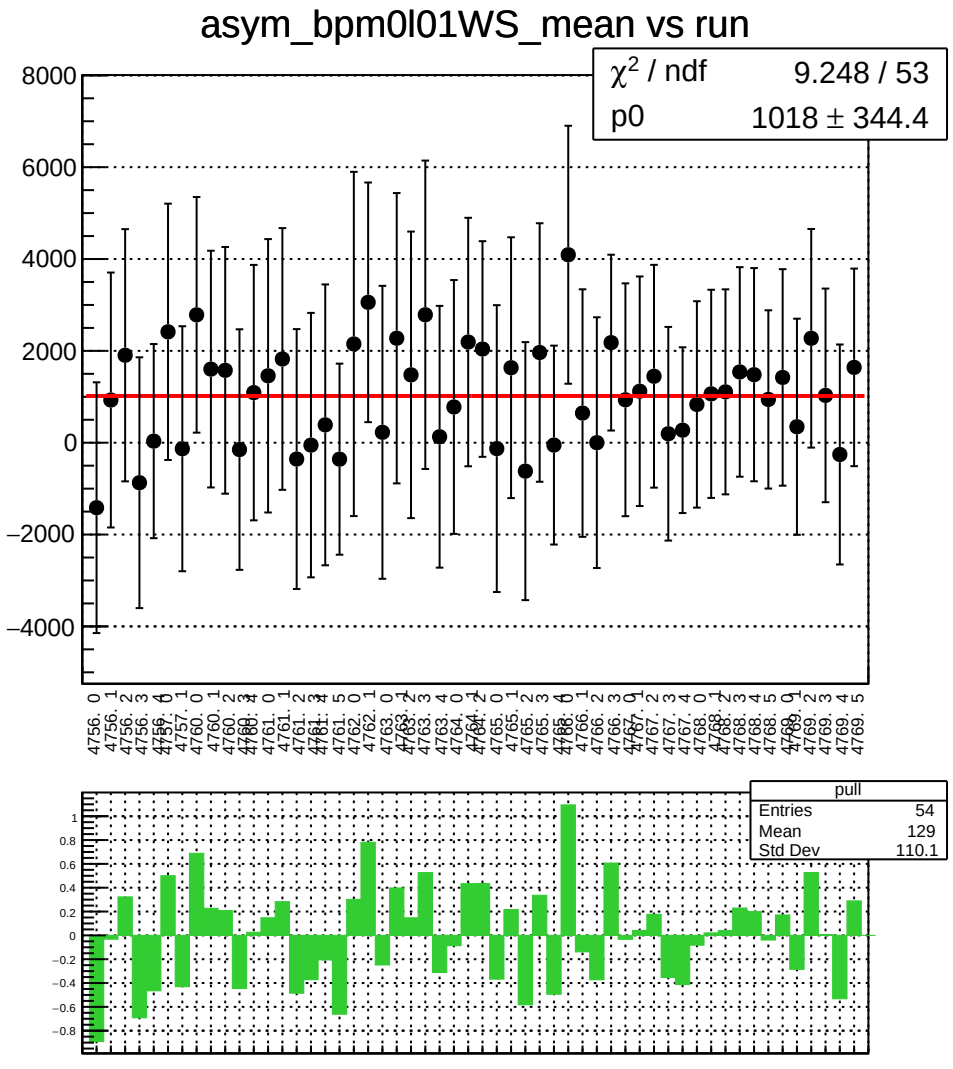

pull1D
Entries 54
Mean 0.5991
Std Dev 4.684

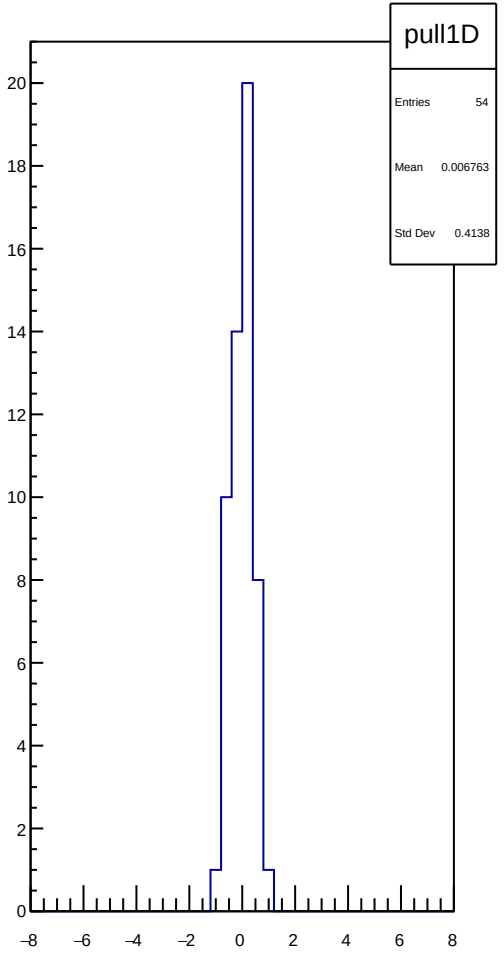

asym_bpm2i01WS_rms vs run
χ² / ndf 4.78e+04 / 53
p0 97.68 ± 0.09602
260
240
220
200
180
160
140
120
100
80
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

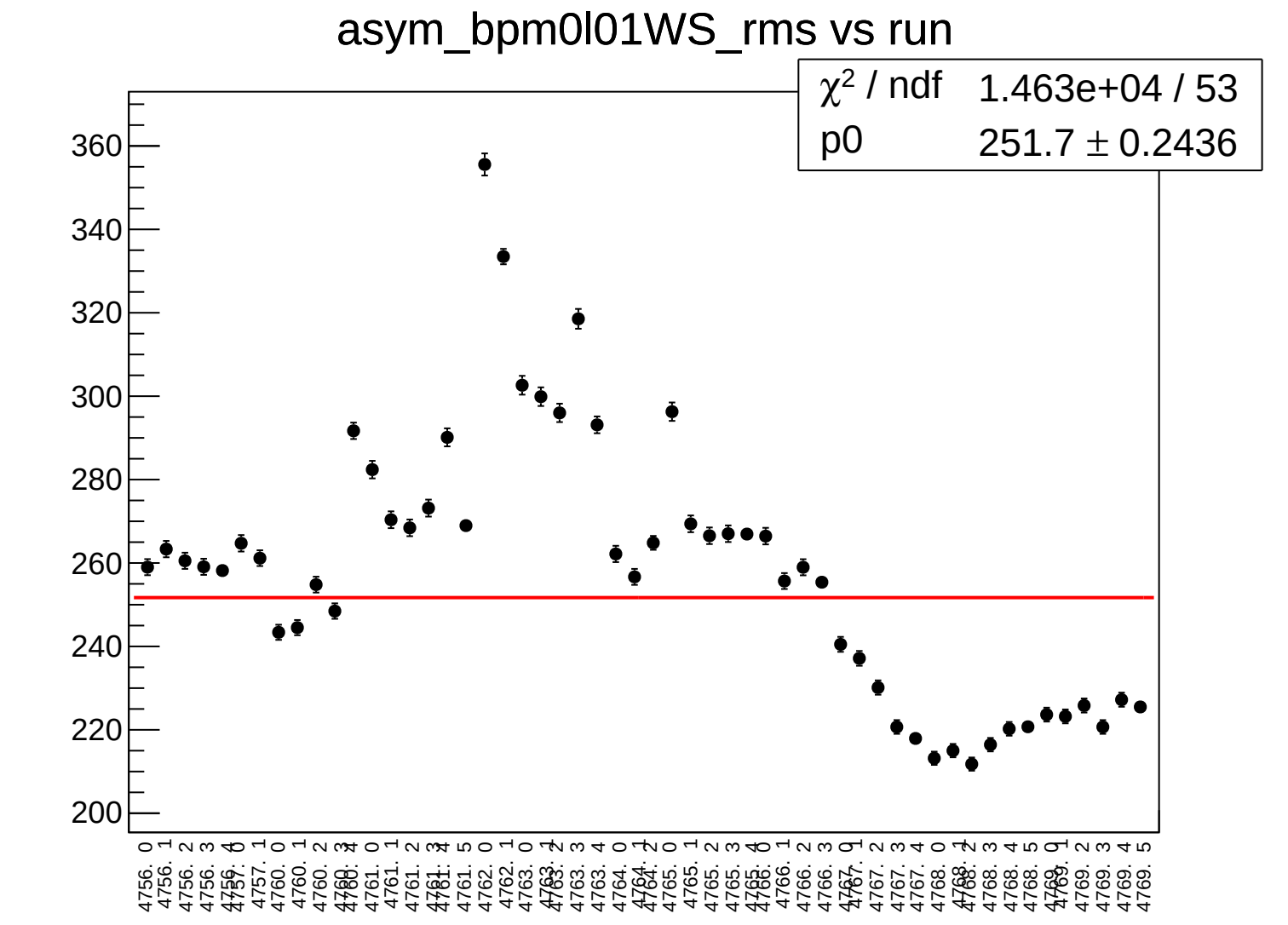

asym_bpm0i07WS_mean vs run
χ^2 / ndf 20.46 / 53
p0 1183 ± 423.4
pull
Entries 54
Mean −25.06
Std Dev 67.63

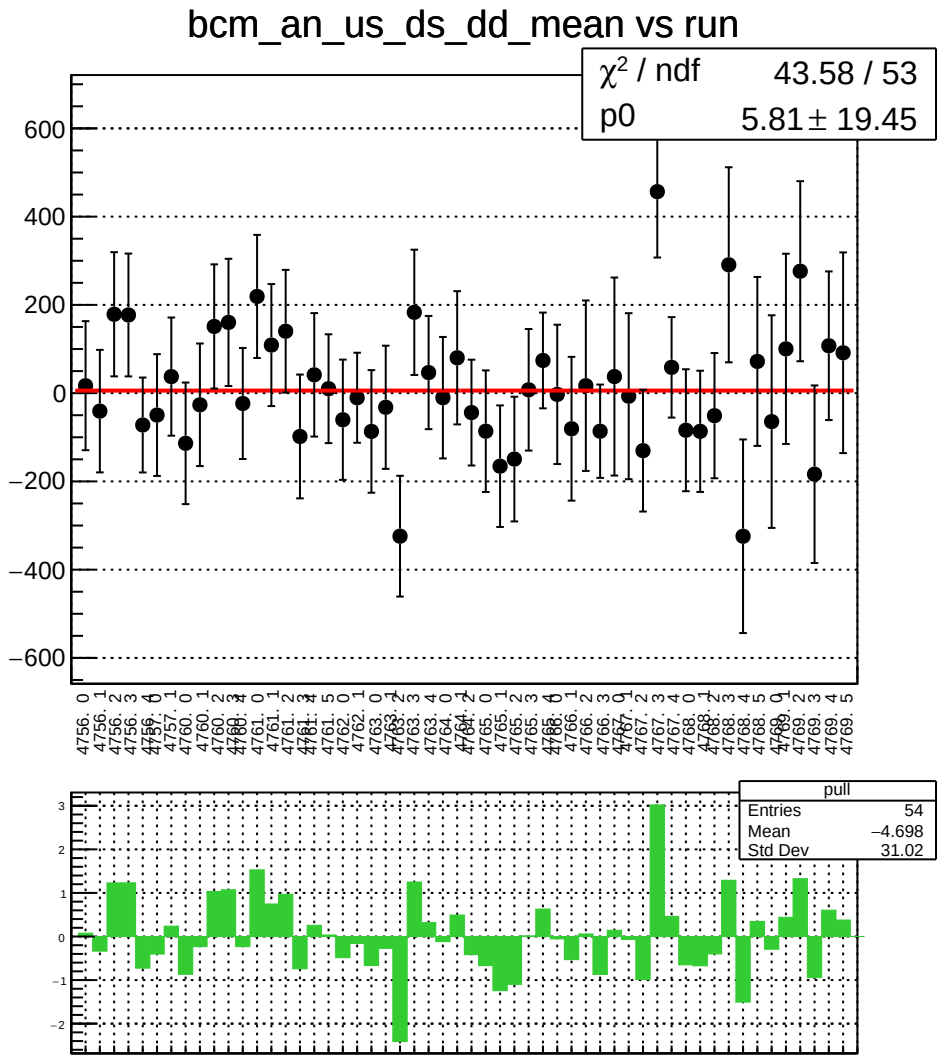

pull1D
Entries 54
Mean 0.01053
Std Dev 0.6154

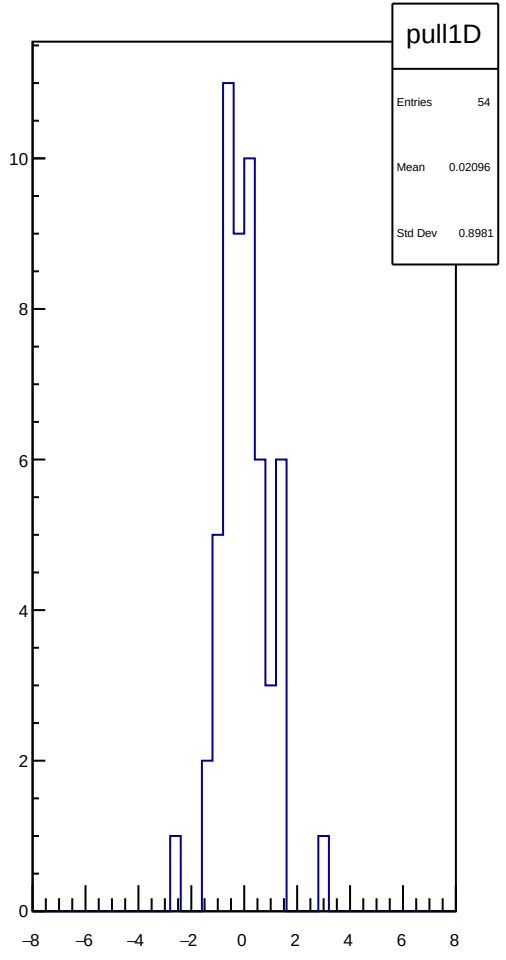

asym_bpm0i07WS_rms vs run
χ² / ndf 6123 / 53
p0 310.7 ± 0.2994
400
380
360
340
320
300
280
260
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

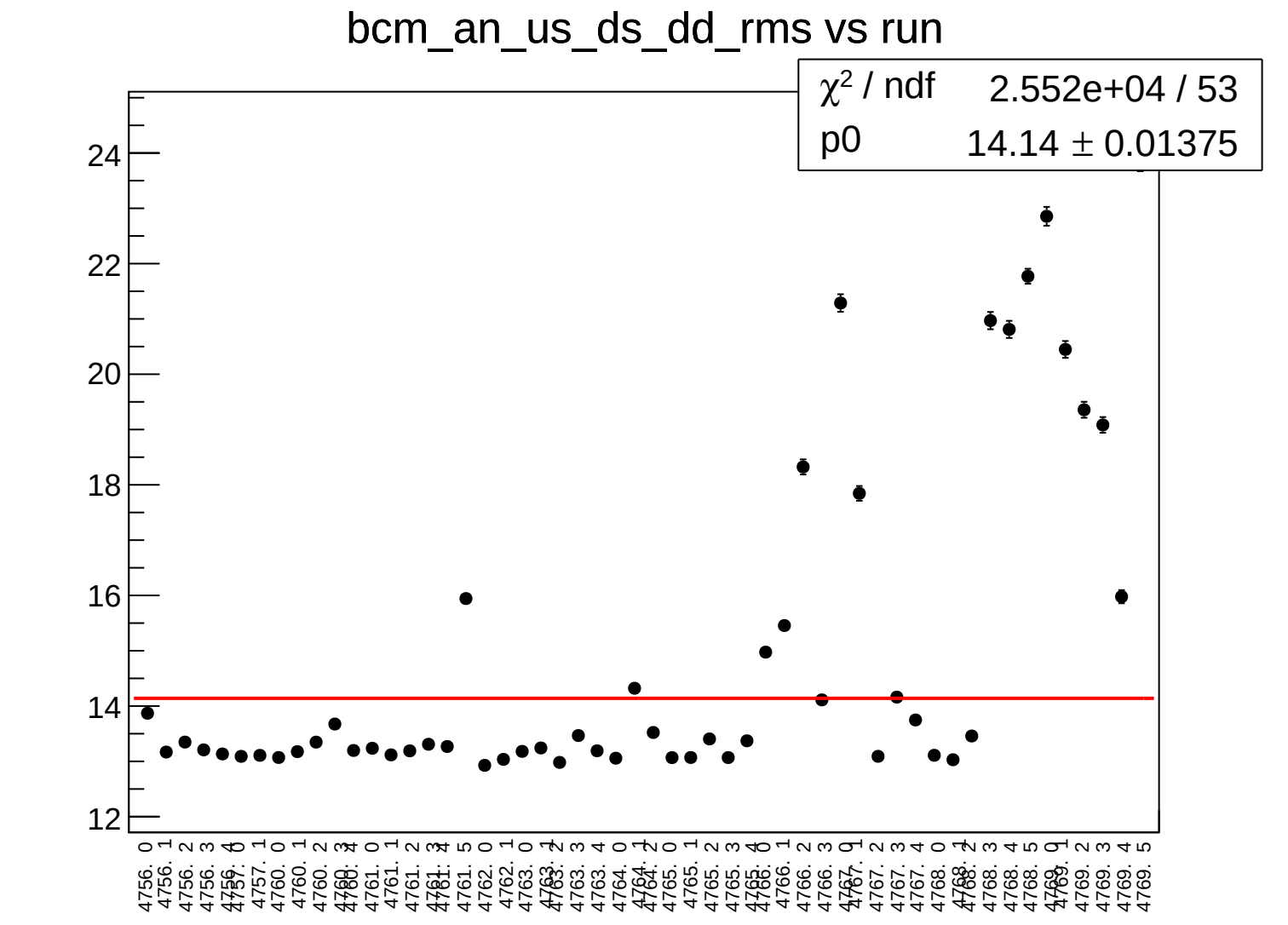

asym_bpm0l01WS_mean vs run
χ^2 / ndf 9.248 / 53
p0 1018 ± 344.4
pull
Entries 54
Mean 129
Std Dev 110.1

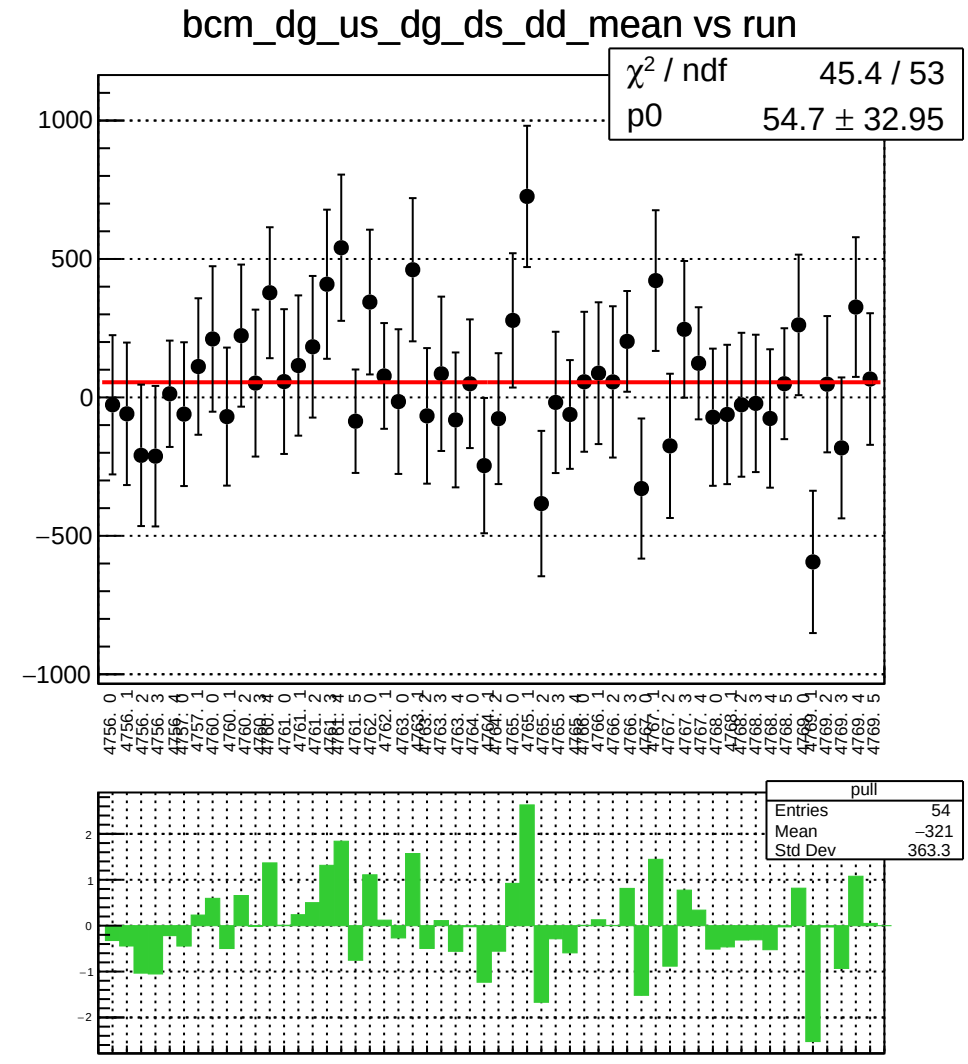

pull1D
Entries 54
Mean 0.006763
Std Dev 0.4138

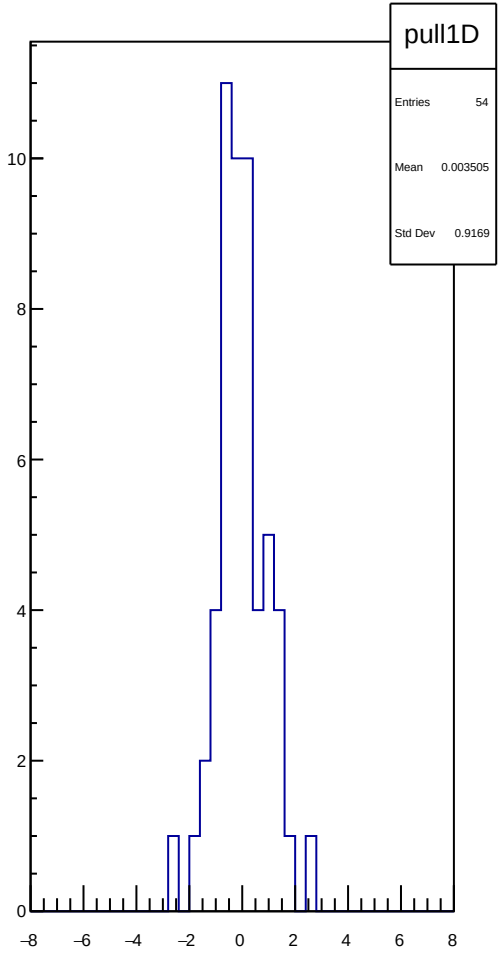

asym_bpm0l01WS_rms vs run
χ^2 / ndf 1.463e+04 / 53
p0 251.7 ± 0.2436
360
340
320
300
280
260
240
220
200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

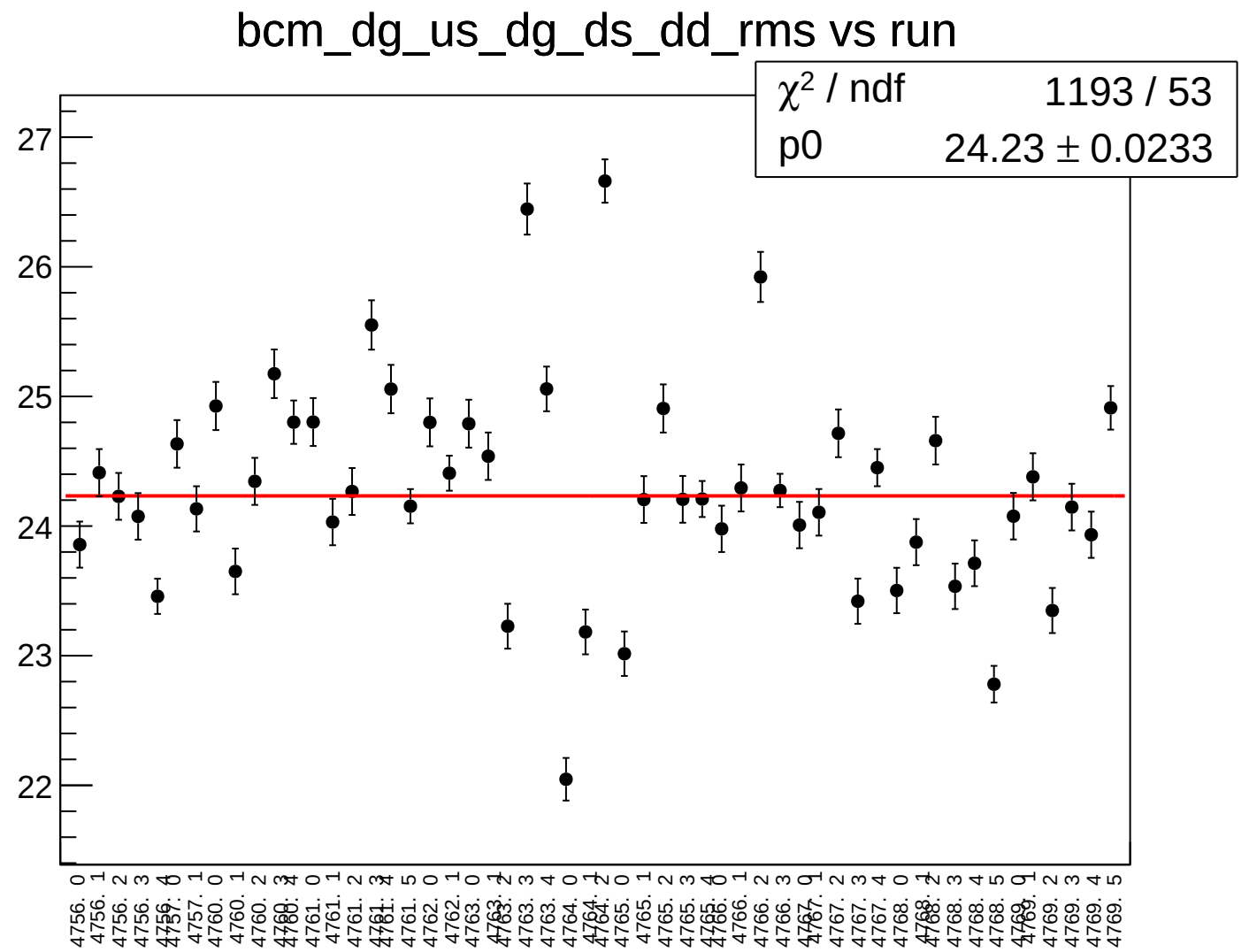

bcm_an_us_ds_dd_mean vs run
χ² / ndf 43.58 / 53
p0 5.81 ± 19.45
pull
Entries 54
Mean −4.698
Std Dev 31.02

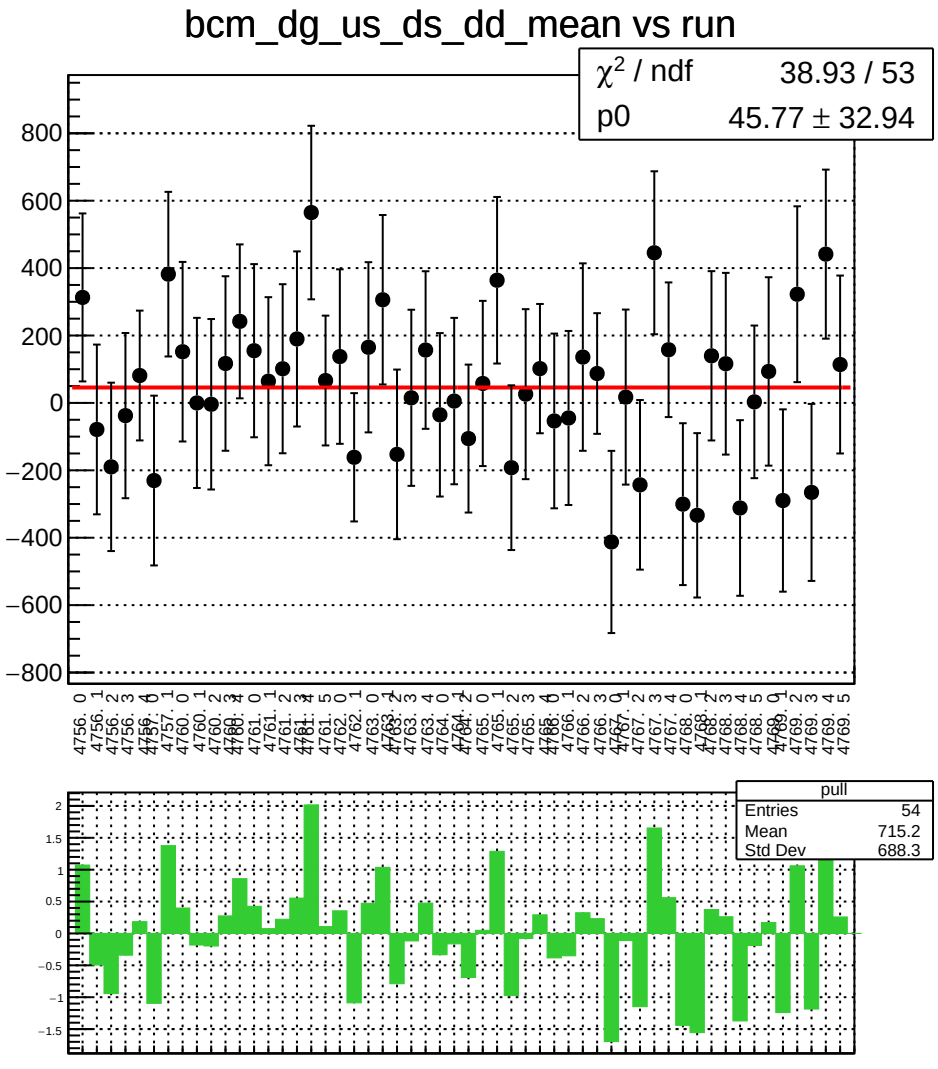

pull1D
Entries 54
Mean 0.02096
Std Dev 0.8981

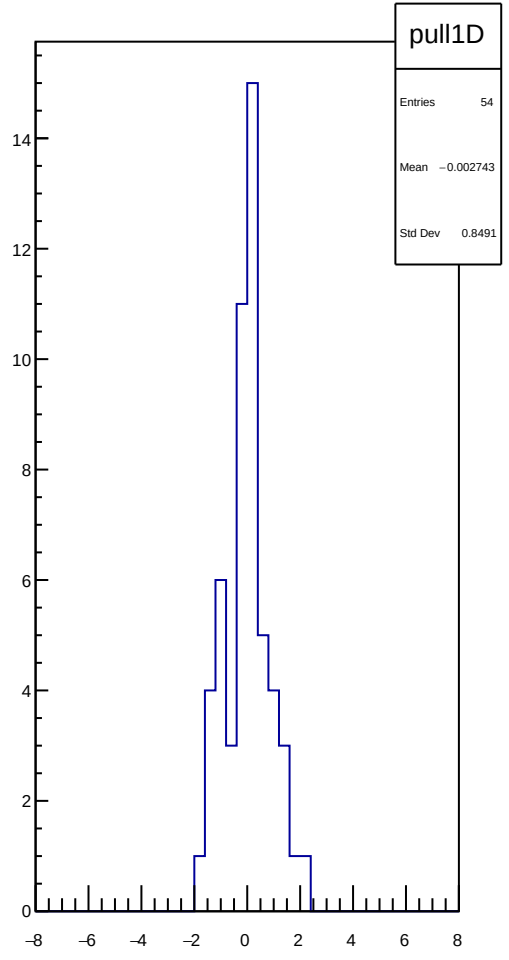

bcm_an_us_ds_dd_rms vs run
χ² / ndf 2.552e+04 / 53
p0 14.14 ± 0.01375
24
22
20
18
16
14
12
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

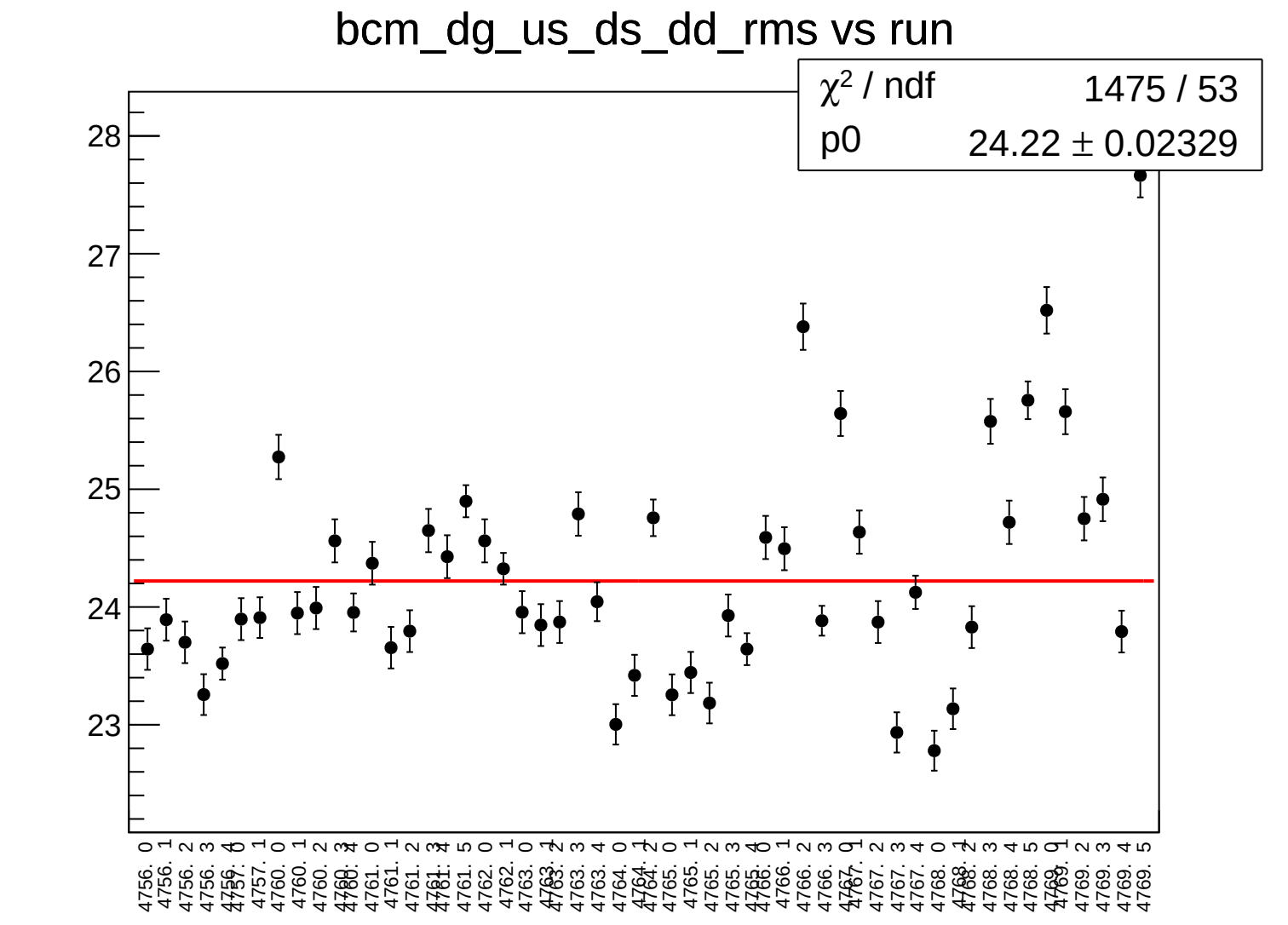

bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 45.4 / 53
p0 54.7 ± 32.95
1000
500
0
−500
−1000
pull
Entries 54
Mean −321
Std Dev 363.3
2
1
0
−1
−2

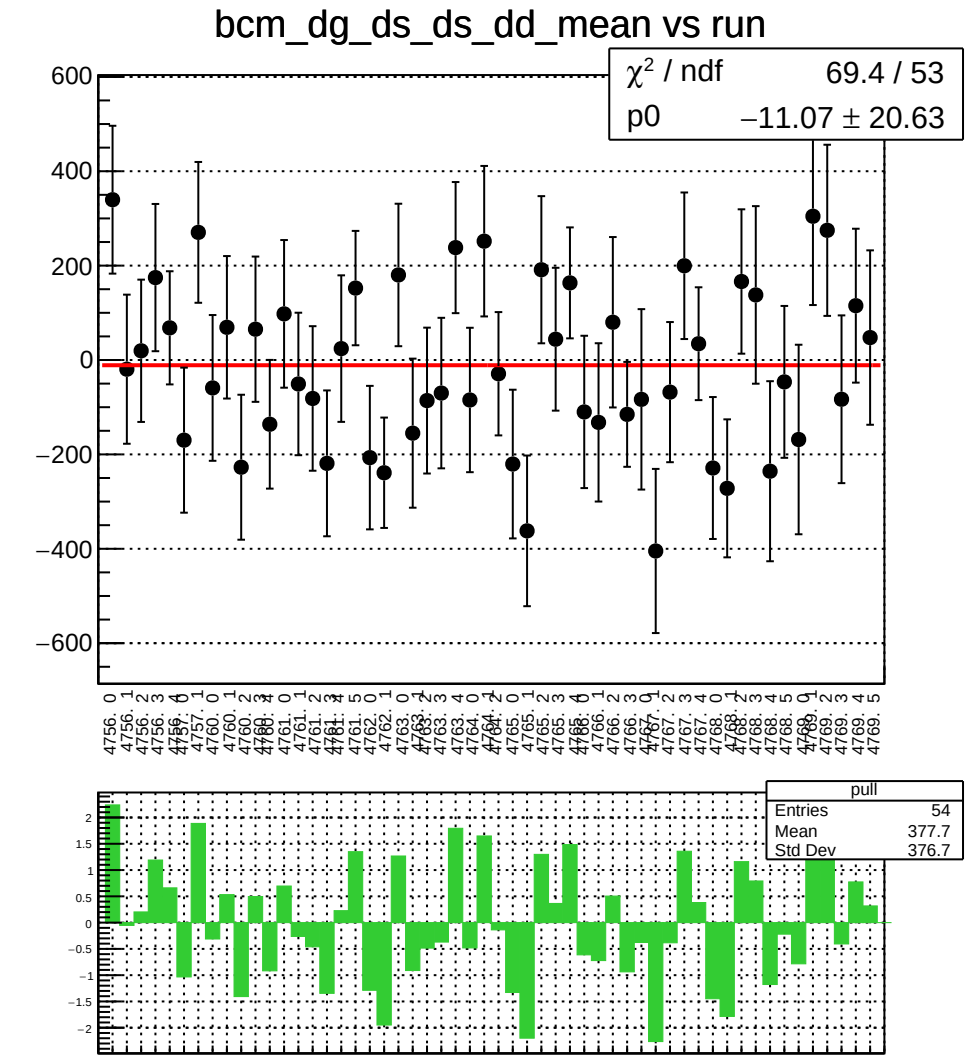

pull1D
Entries 54
Mean 0.003505
Std Dev 0.9169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

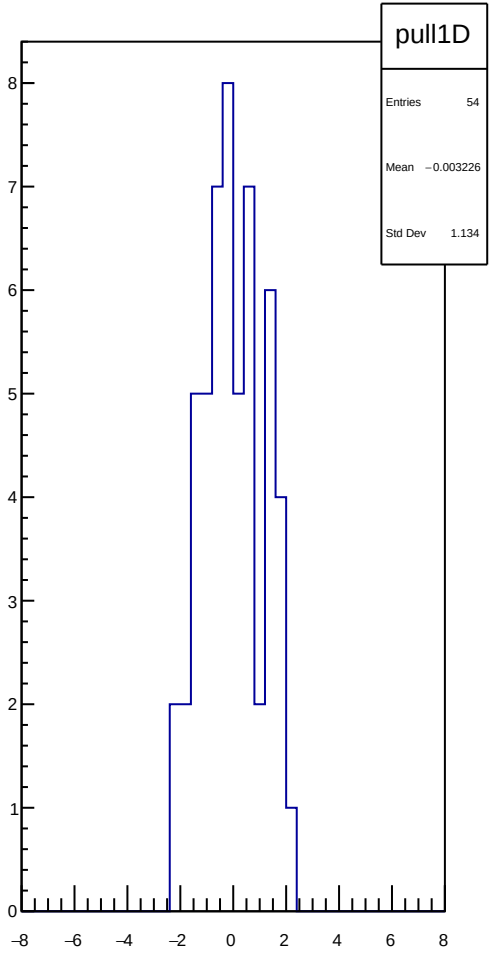

bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1193 / 53
p0 24.23 ± 0.0233
27
26
25
24
23
22
4756. 0
4756. 1
4756. 2
4756. 3
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4761. 0
4761. 1
4761. 2
4761. 5
4762. 0
4762. 1
4763. 0
4763. 3
4763. 4
4764. 0
4765. 0
4765. 1
4765. 2
4765. 3
4766. 1
4766. 2
4766. 3
4767. 2
4767. 3
4767. 4
4768. 0
4768. 3
4768. 4
4768. 5
4769. 2
4769. 3
4769. 4
4769. 5

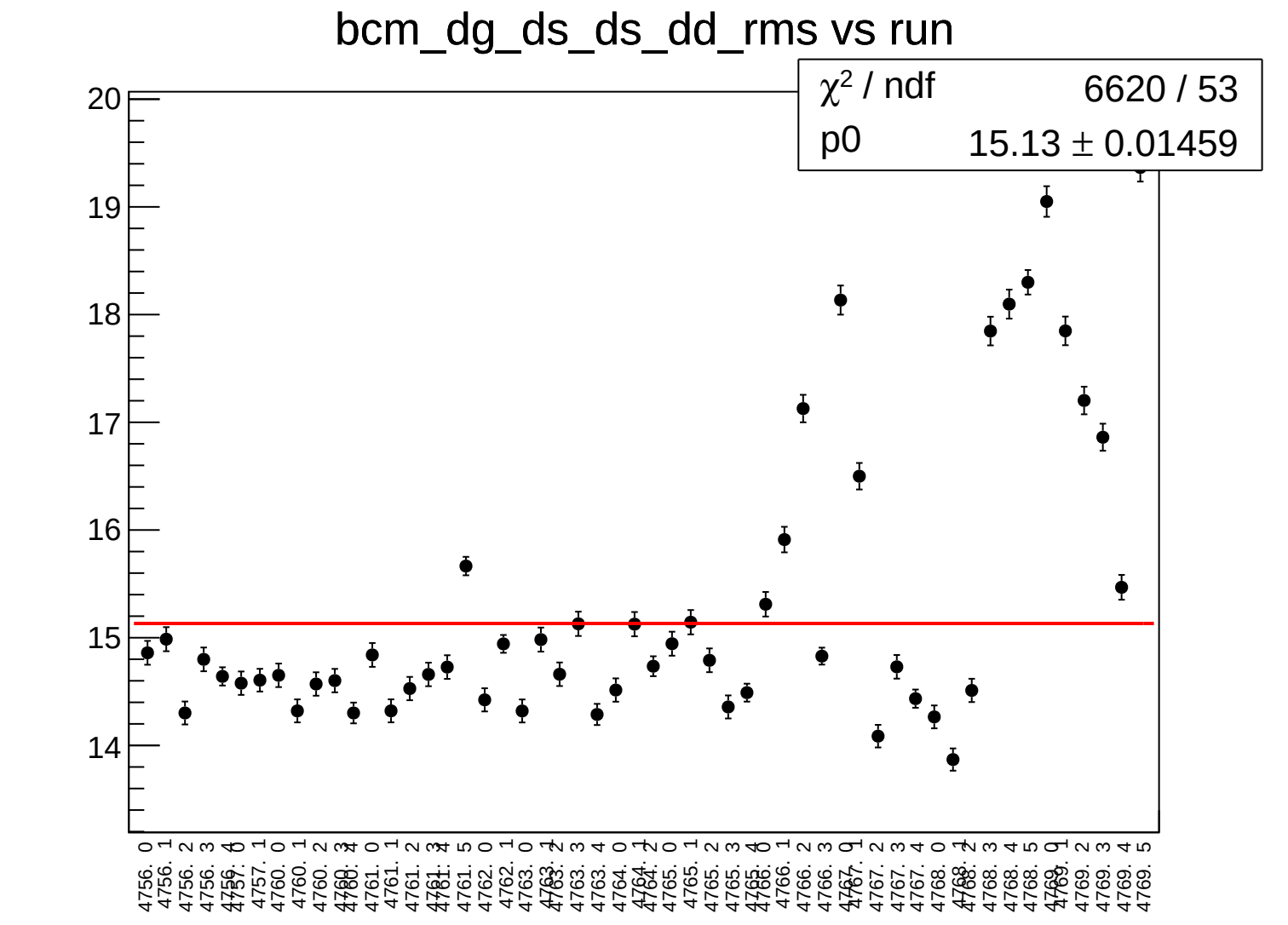

bcm_dg_us_ds_dd_mean vs run
χ² / ndf 38.93 / 53
p0 45.77 ± 32.94
pull
Entries 54
Mean 715.2
Std Dev 688.3

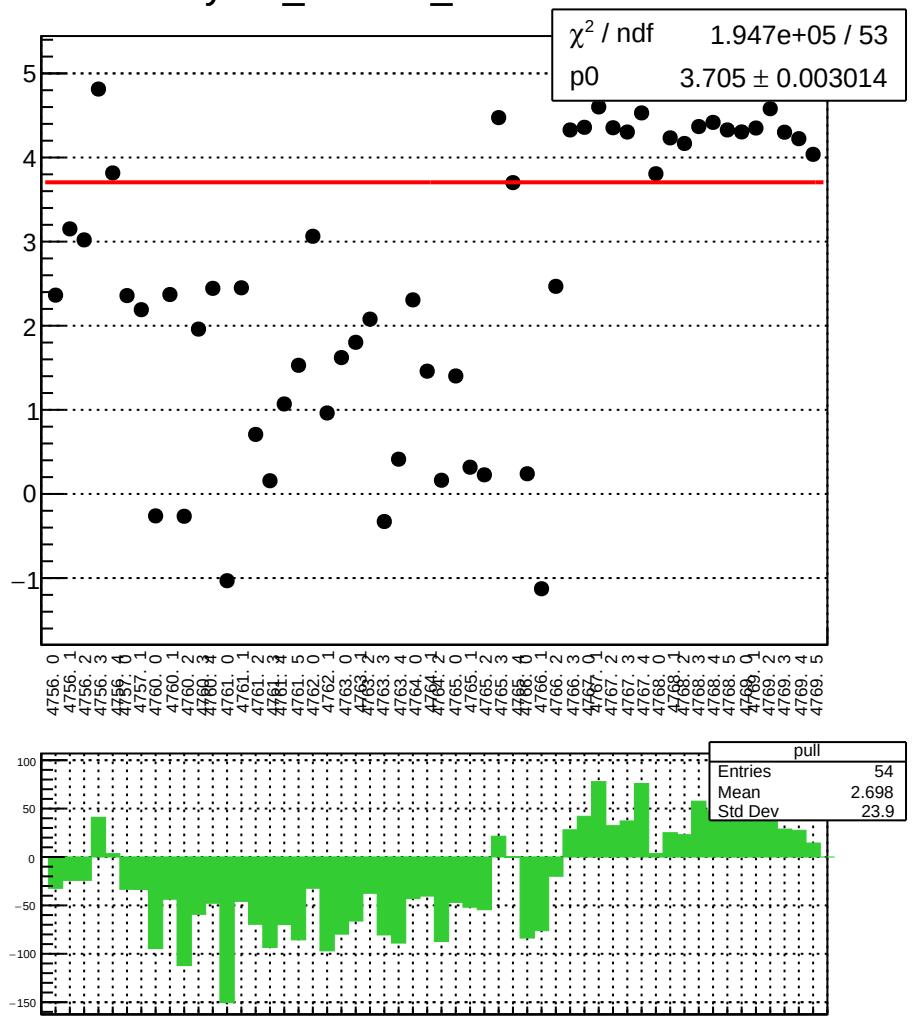

pull1D
Entries 54
Mean −0.002743
Std Dev 0.8491

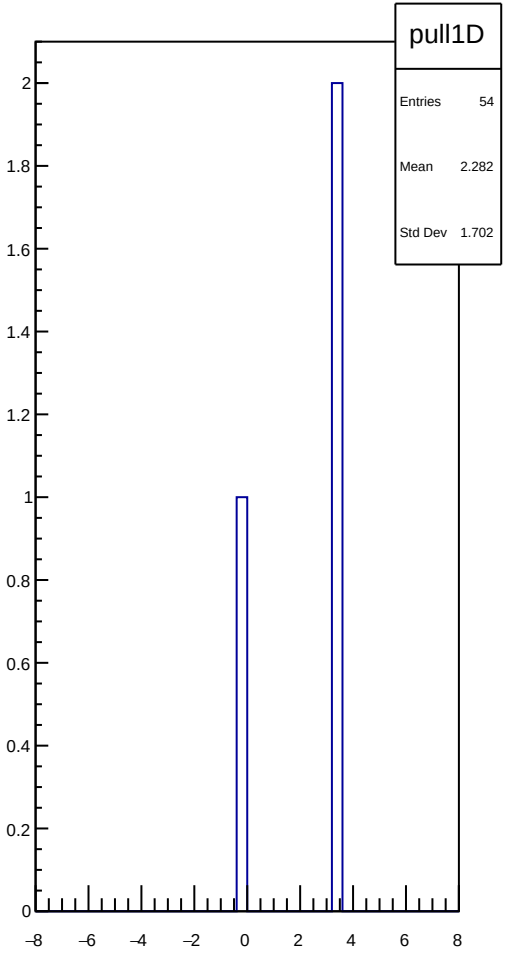

bcm_dg_us_ds_dd_rms vs run
χ² / ndf 1475 / 53
p0 24.22 ± 0.02329
28
27
26
25
24
23
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

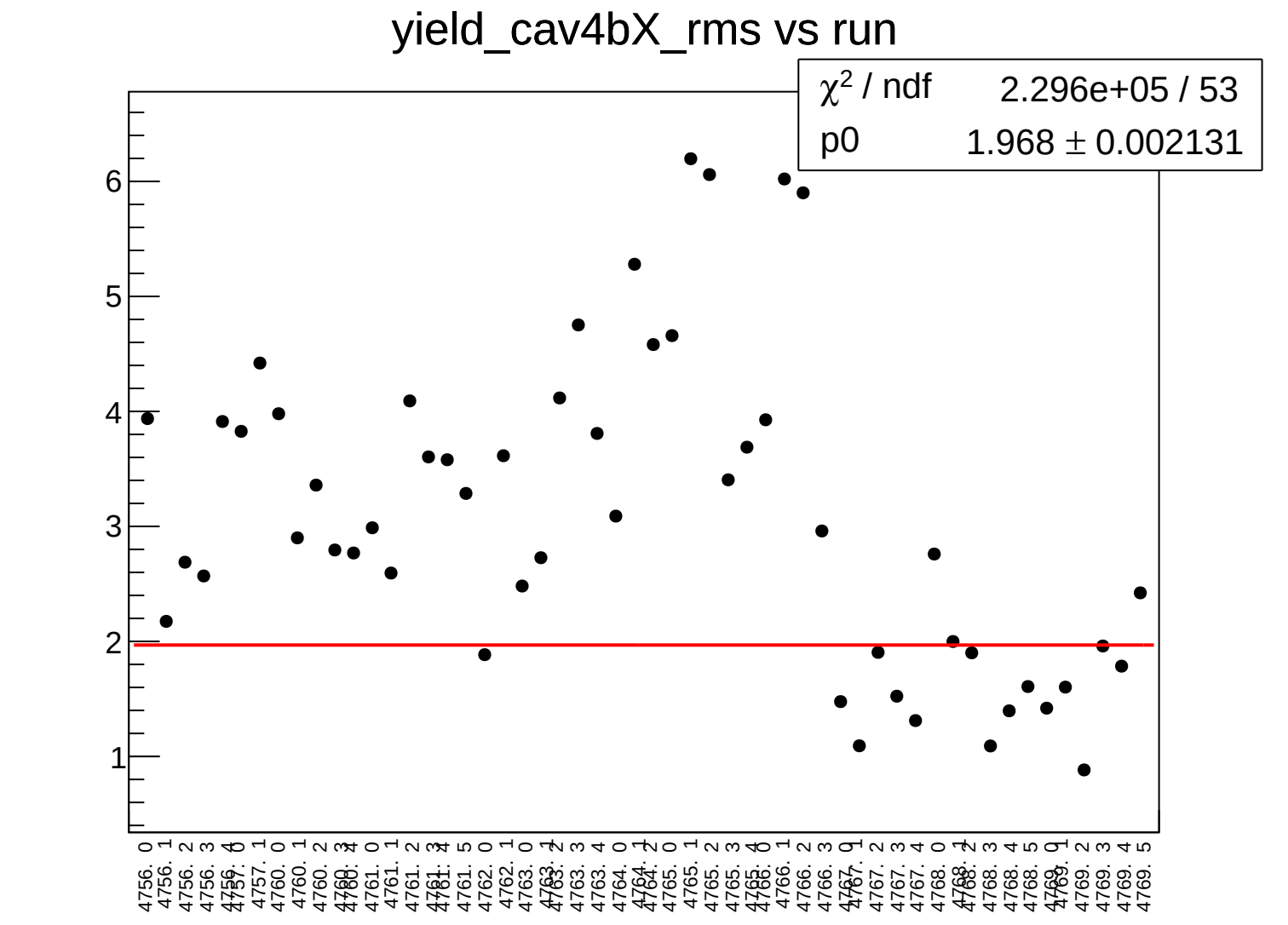

bcm_dg_ds_ds_dd_mean vs run
χ² / ndf 69.4 / 53
p0 −11.07 ± 20.63
pull
Entries 54
Mean 377.7
Std Dev 376.7

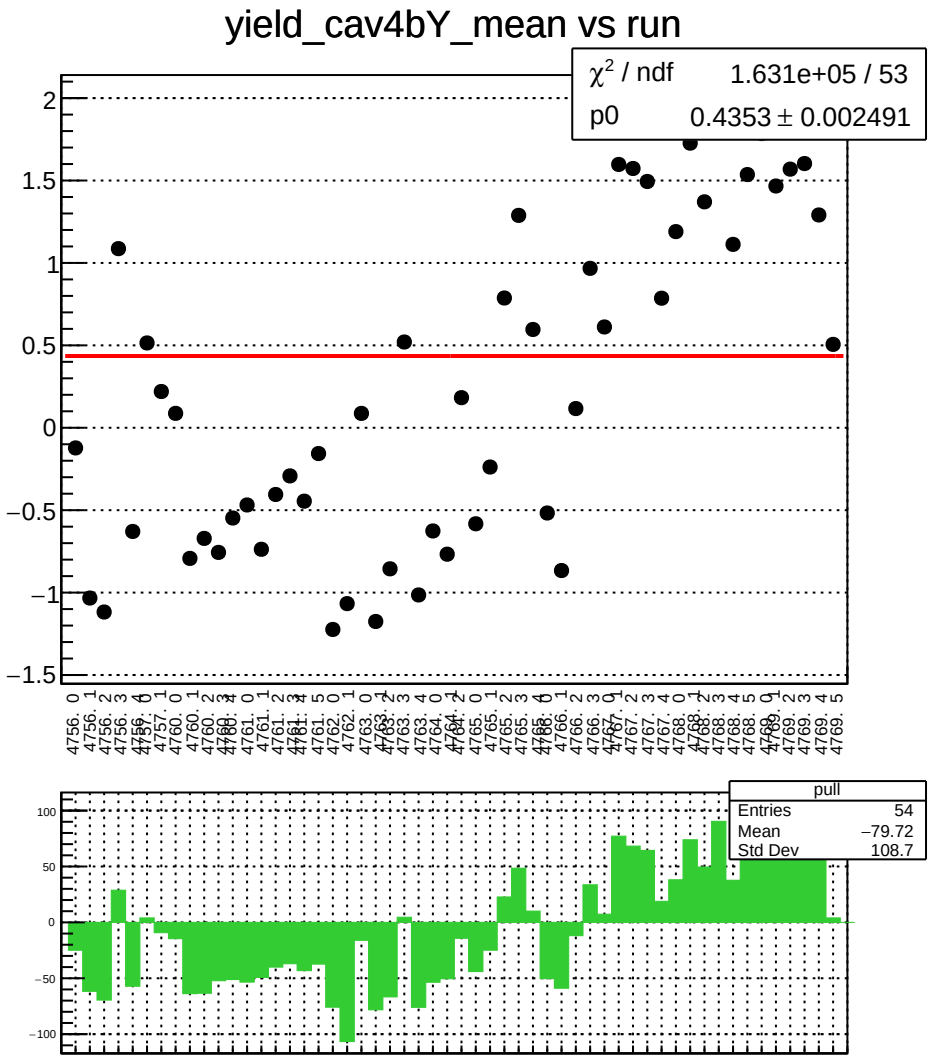

pull1D
Entries 54
Mean −0.003226
Std Dev 1.134

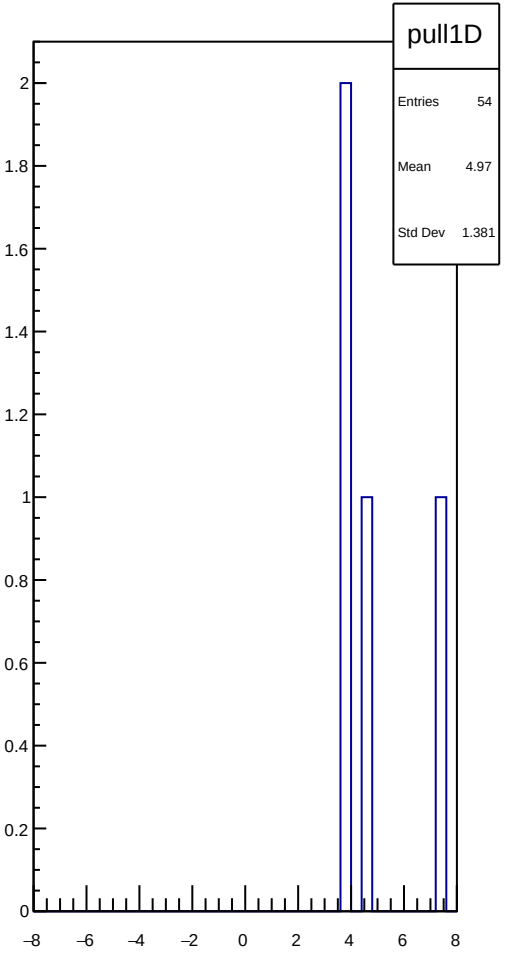

bcm_dg_ds_ds_dd_rms vs run
χ² / ndf 6620 / 53
p0 15.13 ± 0.01459
20
19
18
17
16
15
14
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

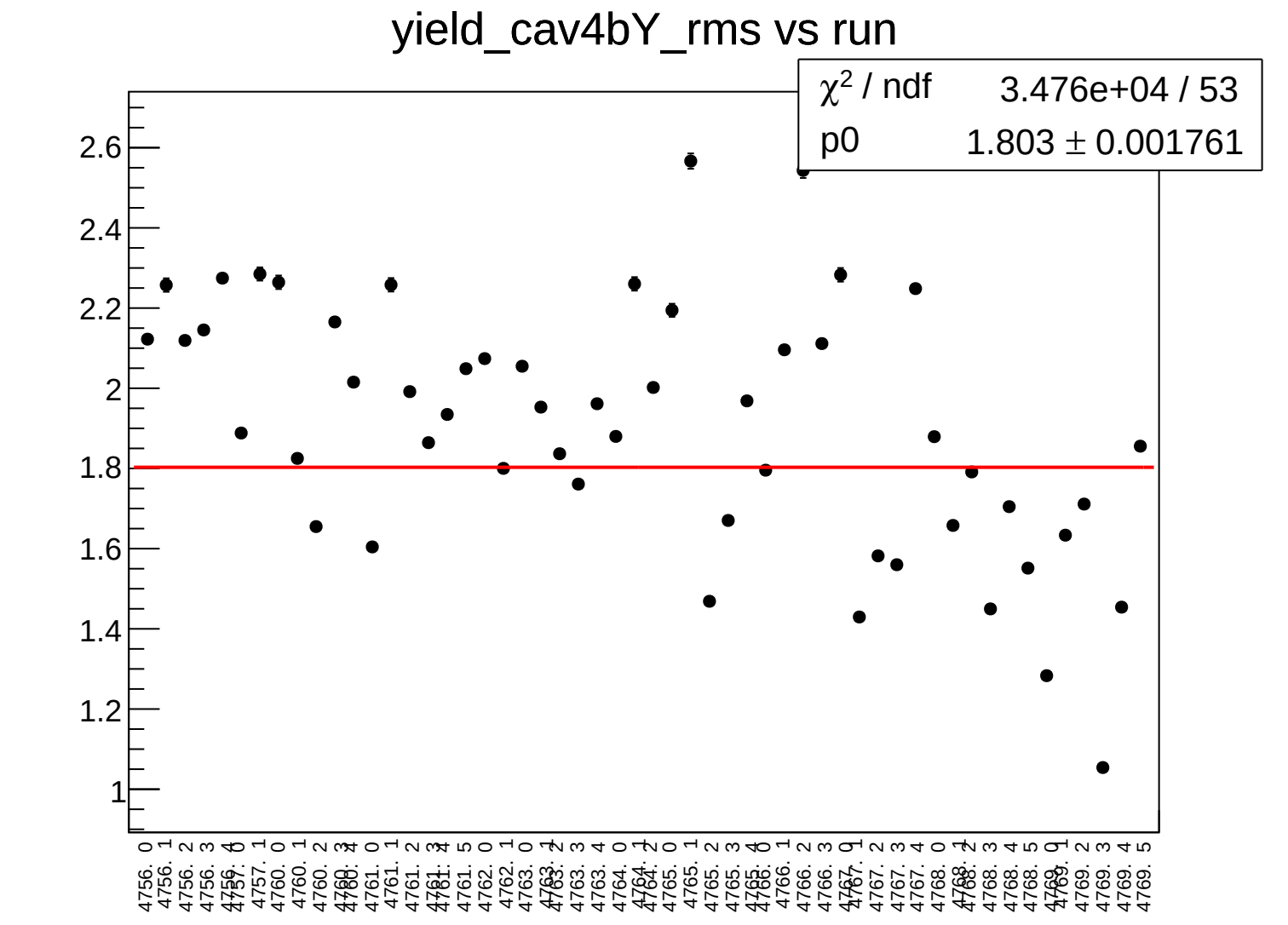

yield_cav4bX_mean vs run
χ² / ndf 1.947e+05 / 53
p0 3.705 ± 0.003014
pull
Entries 54
Mean 2.698
Std Dev 23.9

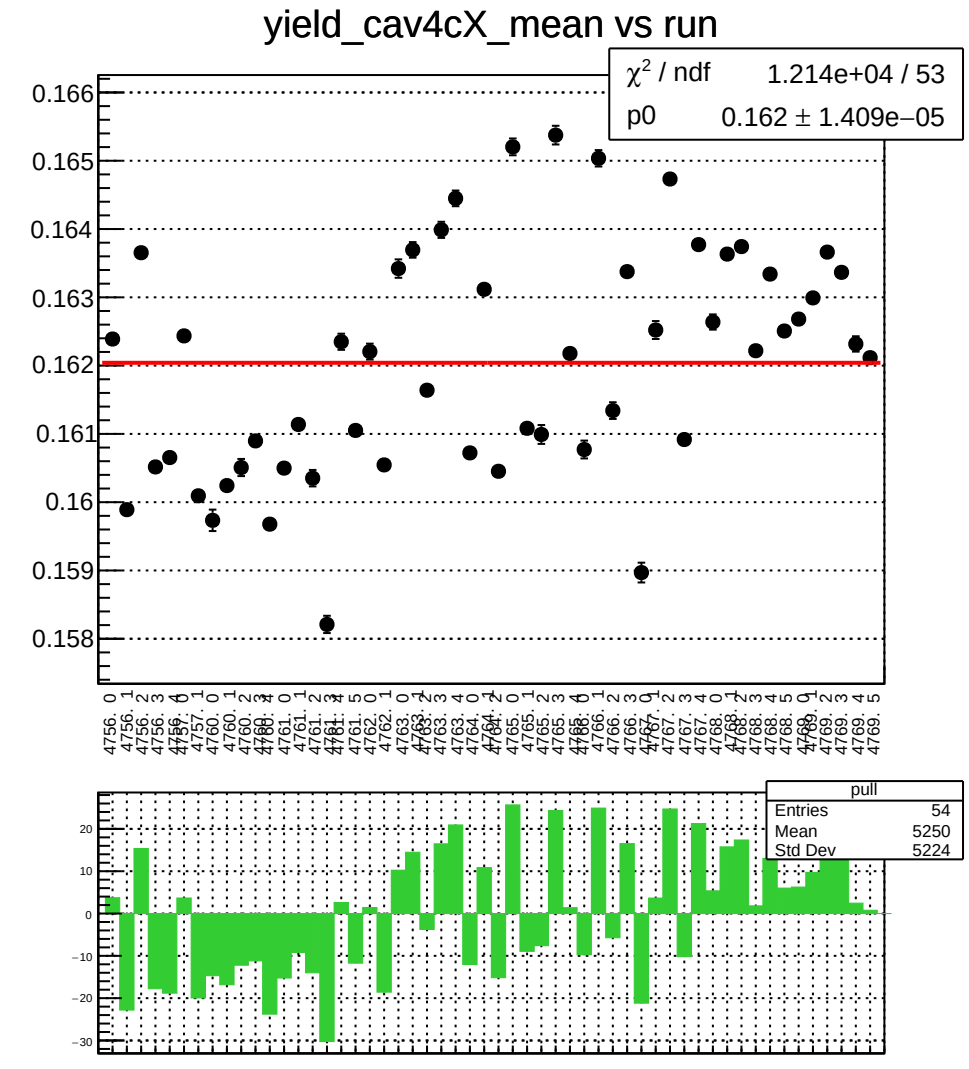

pull1D
Entries 54
Mean 2.282
Std Dev 1.702

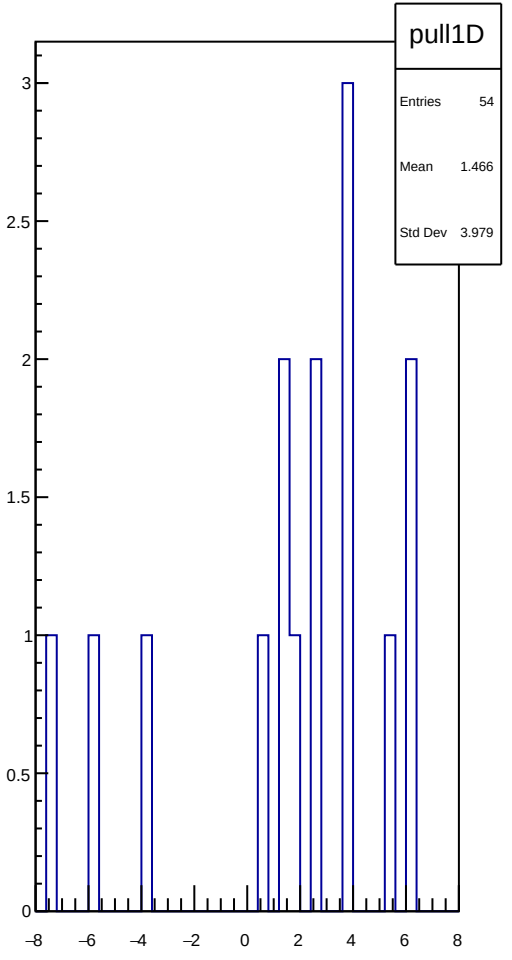

yield_cav4bX_rms vs run
χ^2 / ndf 2.296e+05 / 53
p0 1.968 ± 0.002131
6
5
4
3
2
1
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

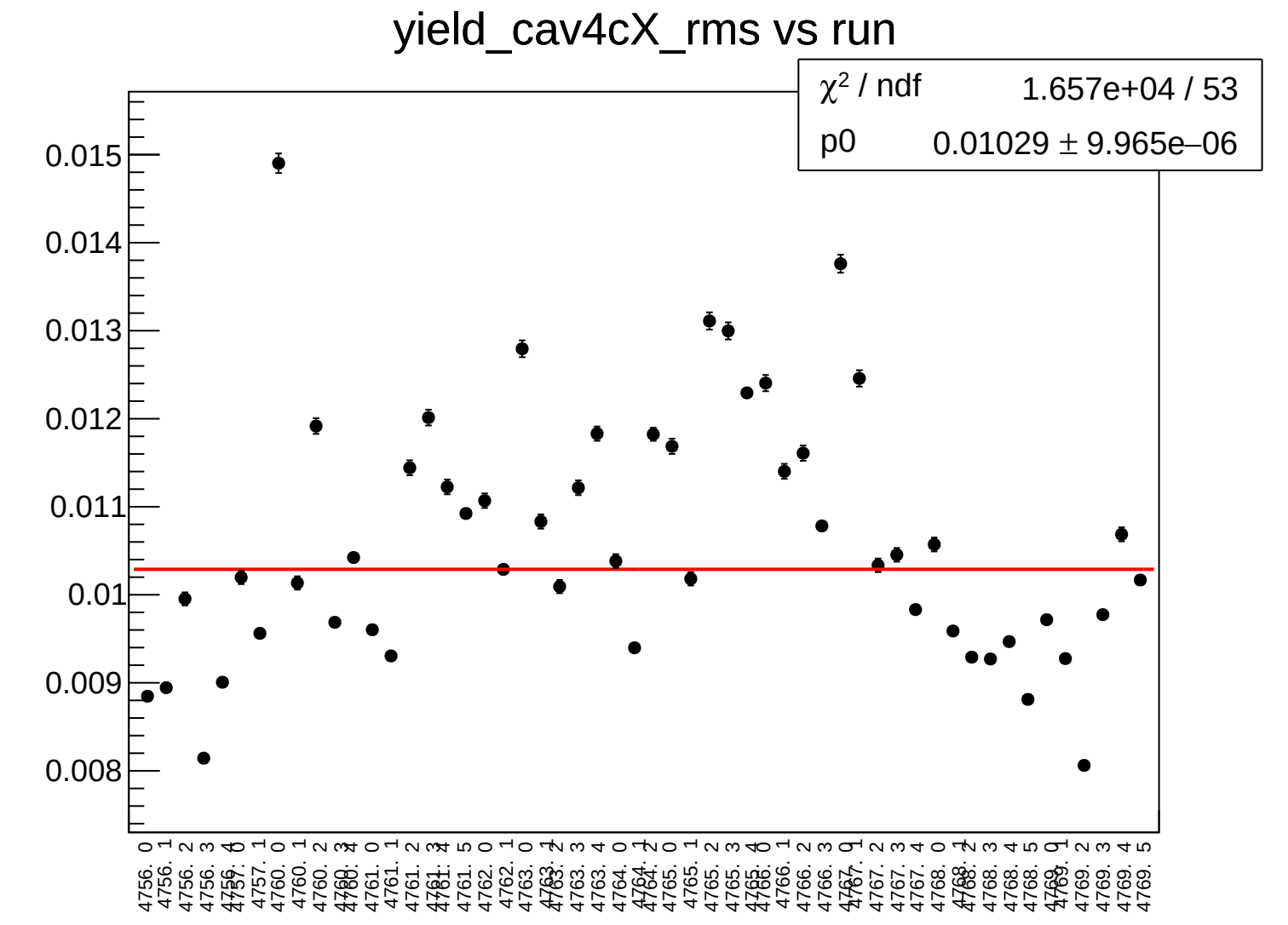

yield_cav4bY_mean vs run
χ² / ndf 1.631e+05 / 53
p0 0.4353 ± 0.002491
pull
Entries 54
Mean −79.72
Std Dev 108.7

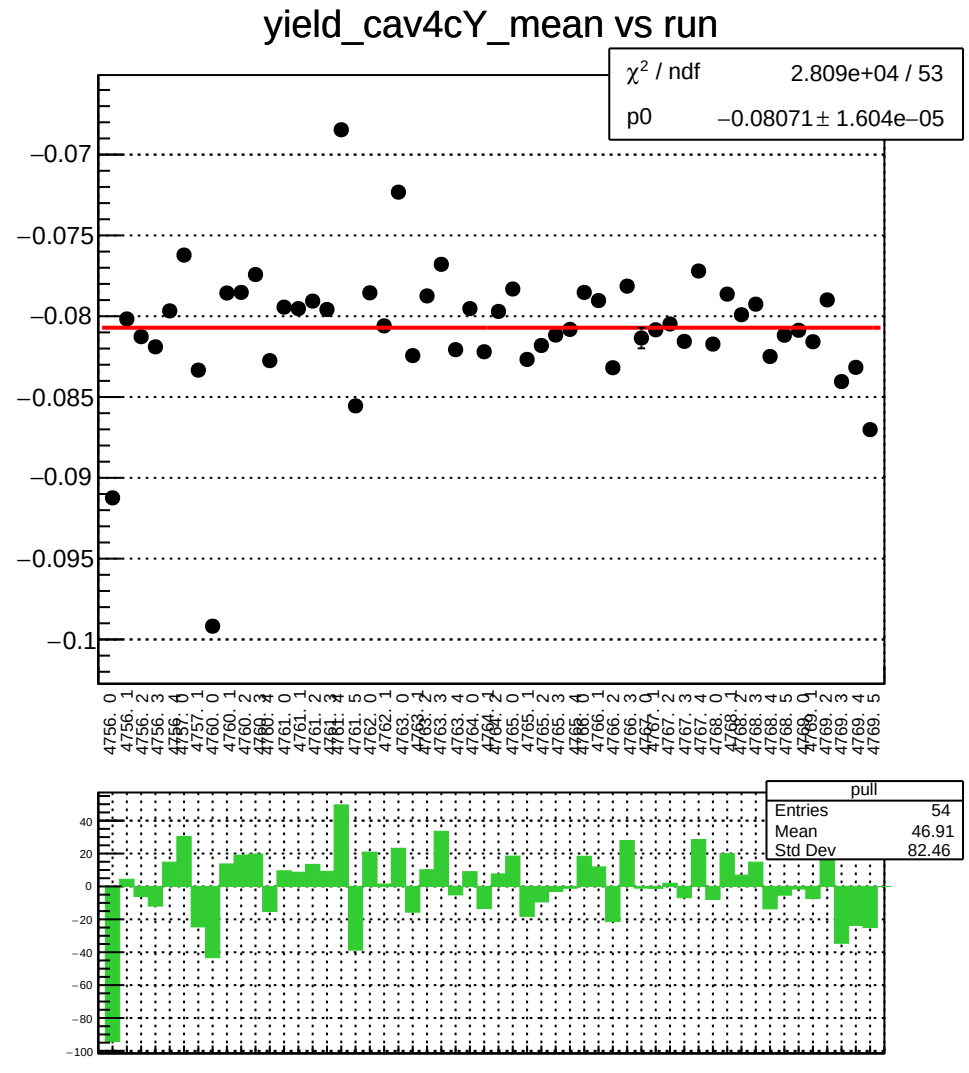

pull1D
Entries 54
Mean 4.97
Std Dev 1.381

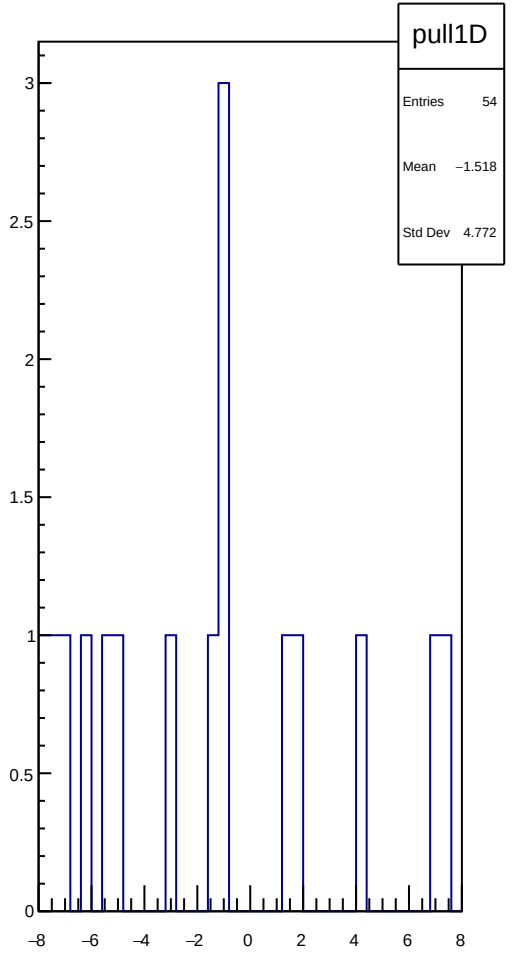

yield_cav4bY_rms vs run
χ² / ndf 3.476e+04 / 53
p0 1.803 ± 0.001761
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

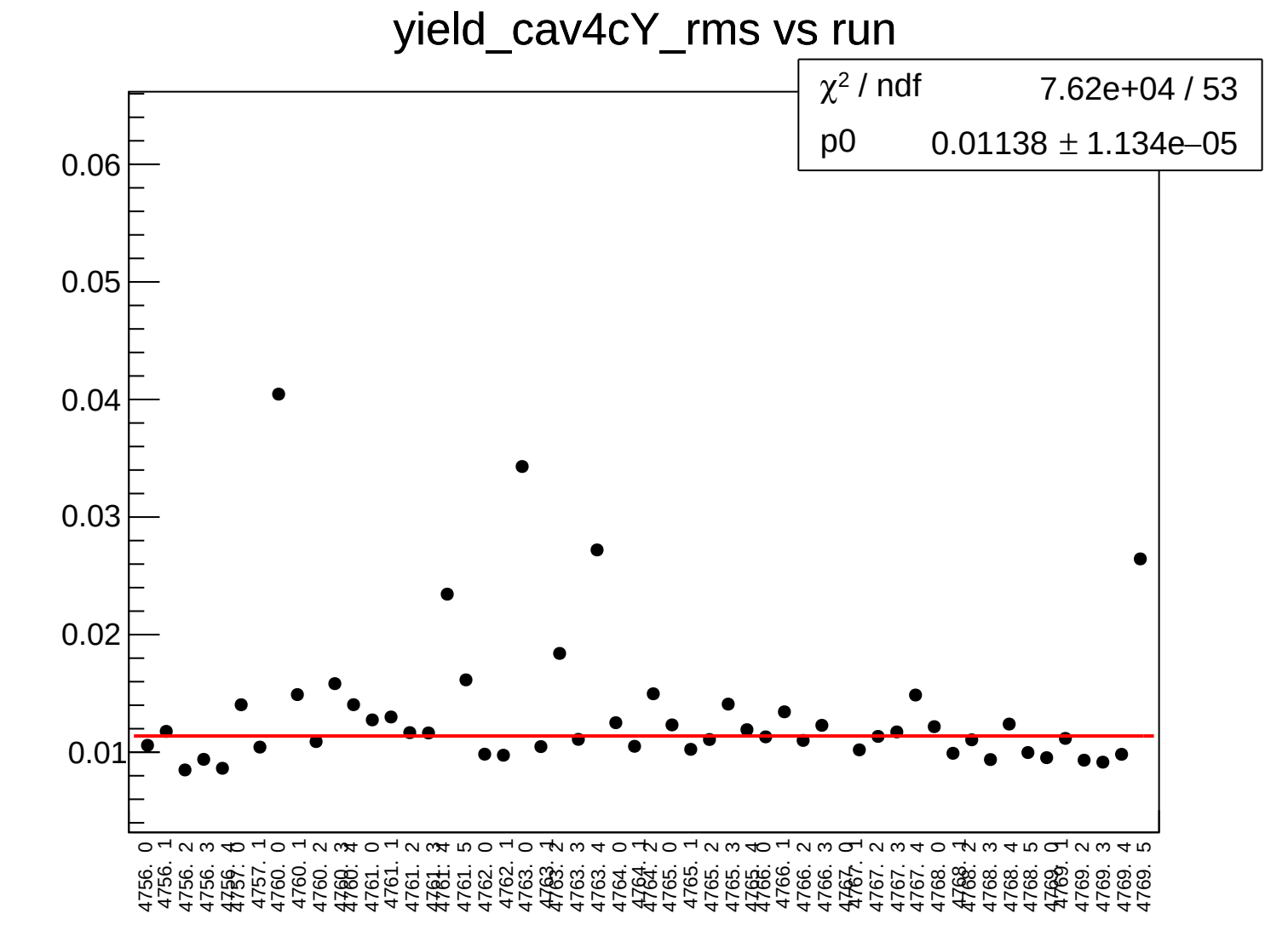

yield_cav4cX_mean vs run
χ² / ndf 1.214e+04 / 53
p0 0.162 ± 1.409e−05
0.166
0.165
0.164
0.163
0.162
0.161
0.16
0.159
0.158
pull
Entries 54
Mean 5250
Std Dev 5224
20
10
0
−10
−20
−30

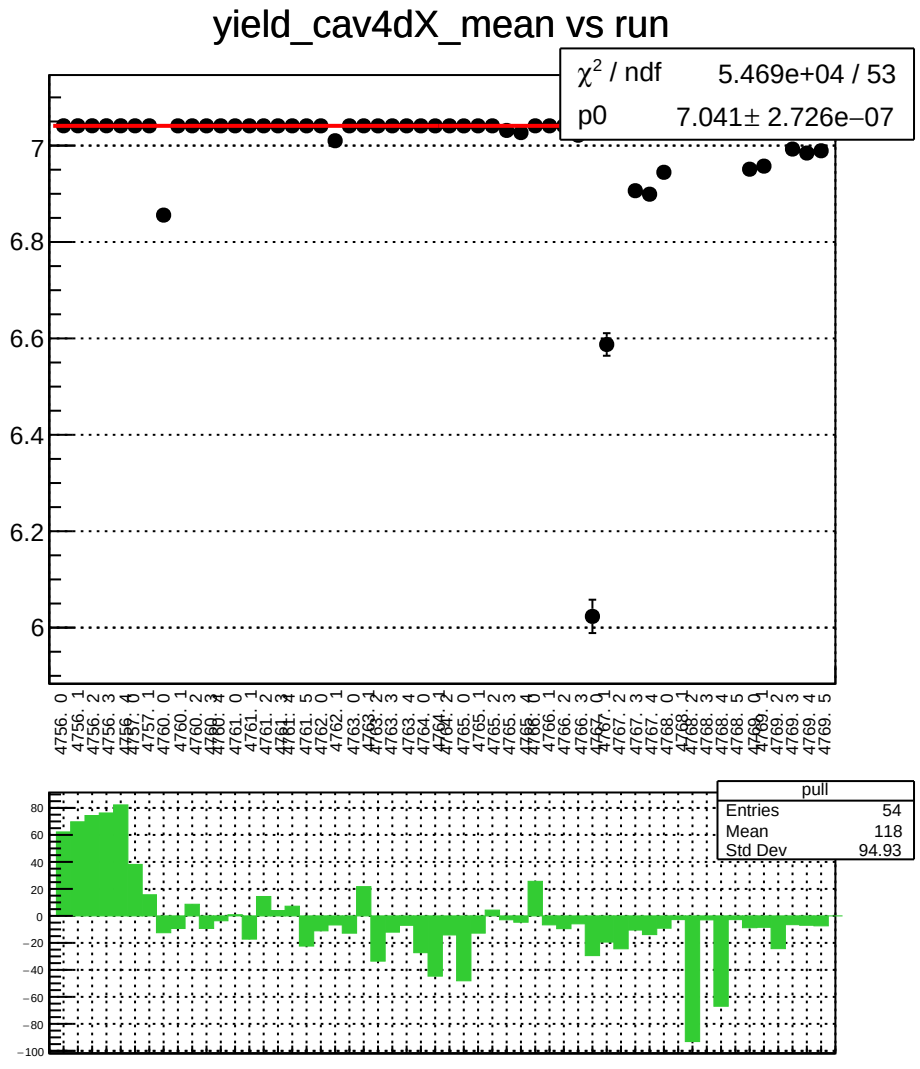

pull1D
Entries 54
Mean 1.466
Std Dev 3.979
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

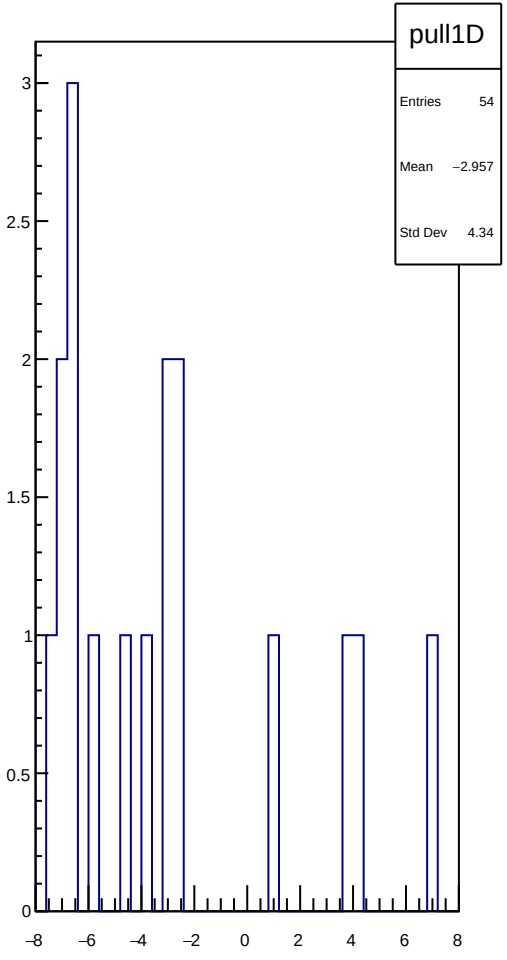

yield_cav4cX_rms vs run
χ² / ndf 1.657e+04 / 53
p0 0.01029 ± 9.965e–06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008

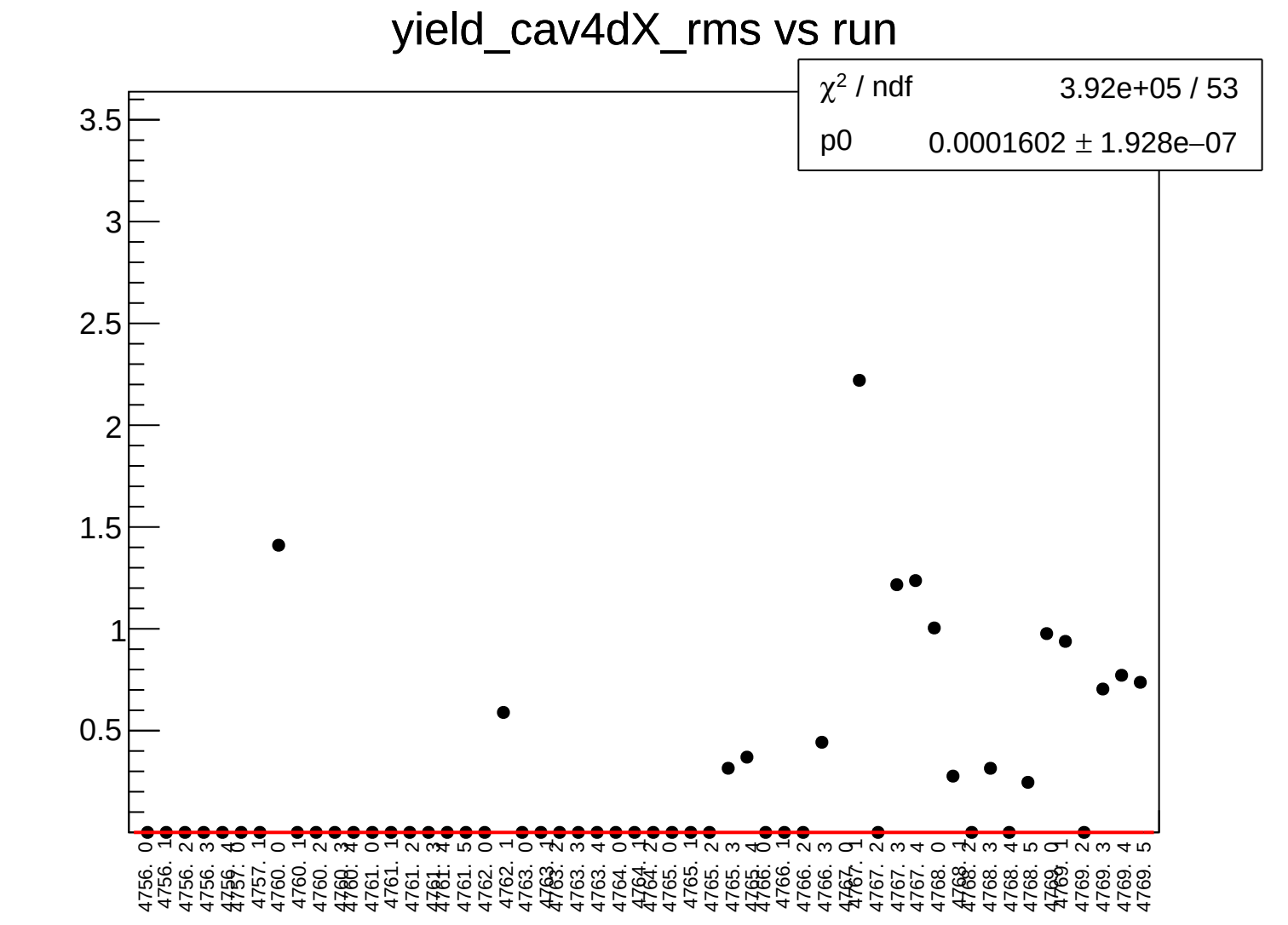

yield_cav4cY_mean vs run
χ² / ndf 2.809e+04 / 53
p0 −0.08071 ± 1.604e−05
pull
Entries 54
Mean 46.91
Std Dev 82.46

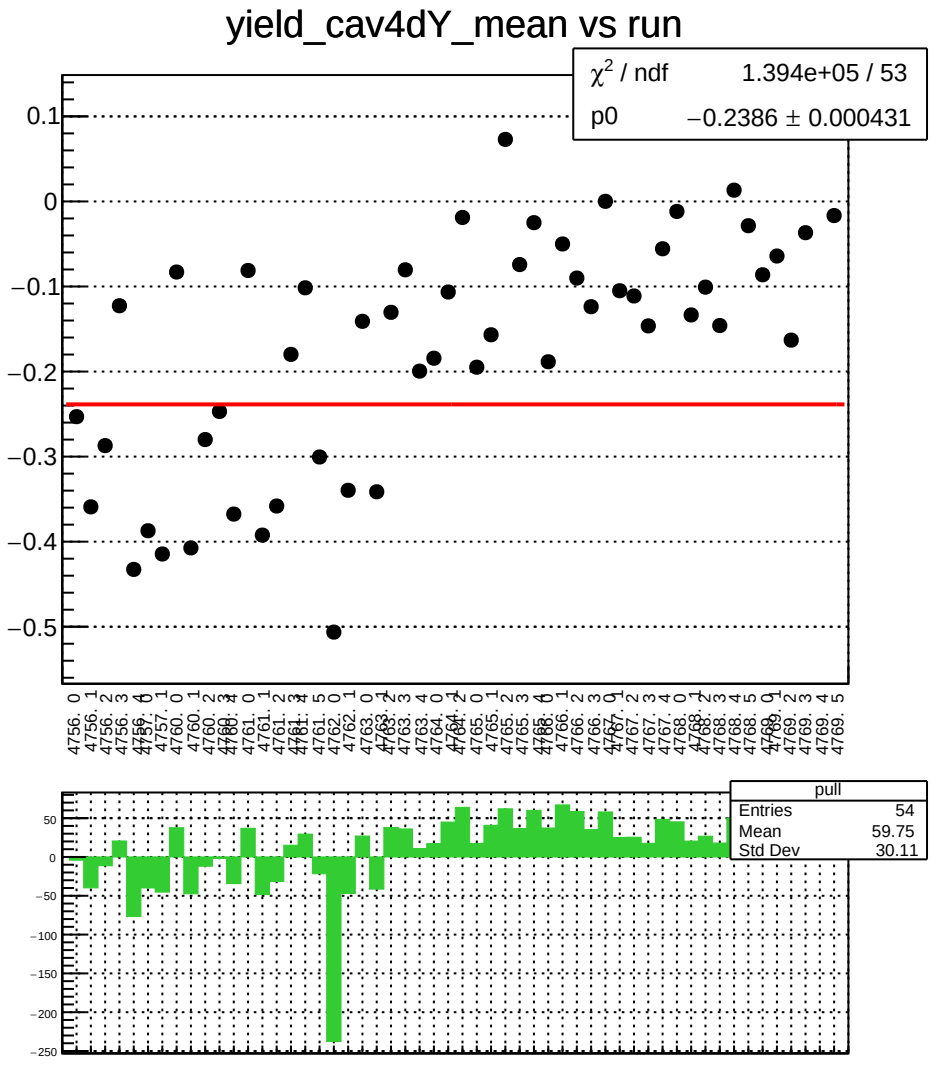

pull1D
Entries 54
Mean −1.518
Std Dev 4.772

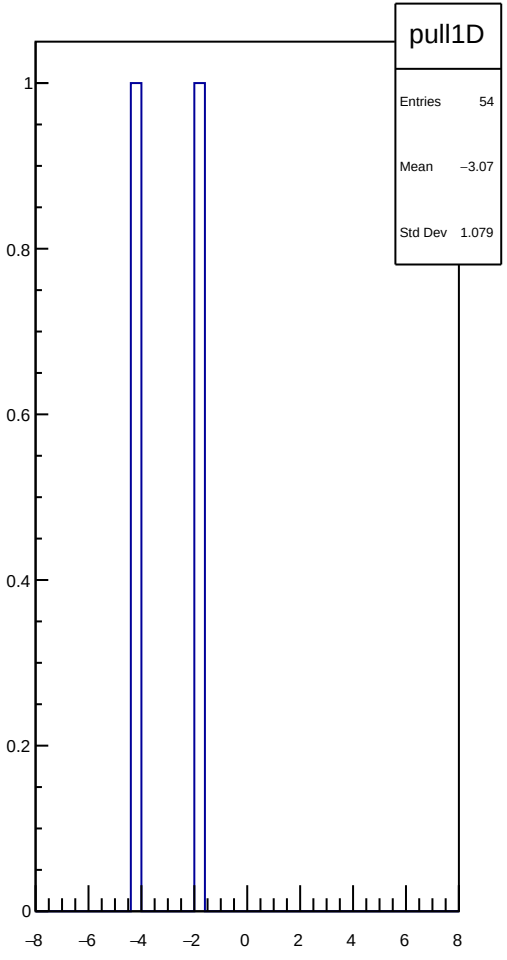

yield_cav4cY_rms vs run
χ² / ndf 7.62e+04 / 53
p0 0.01138 ± 1.134e–05
0.06
0.05
0.04
0.03
0.02
0.01
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

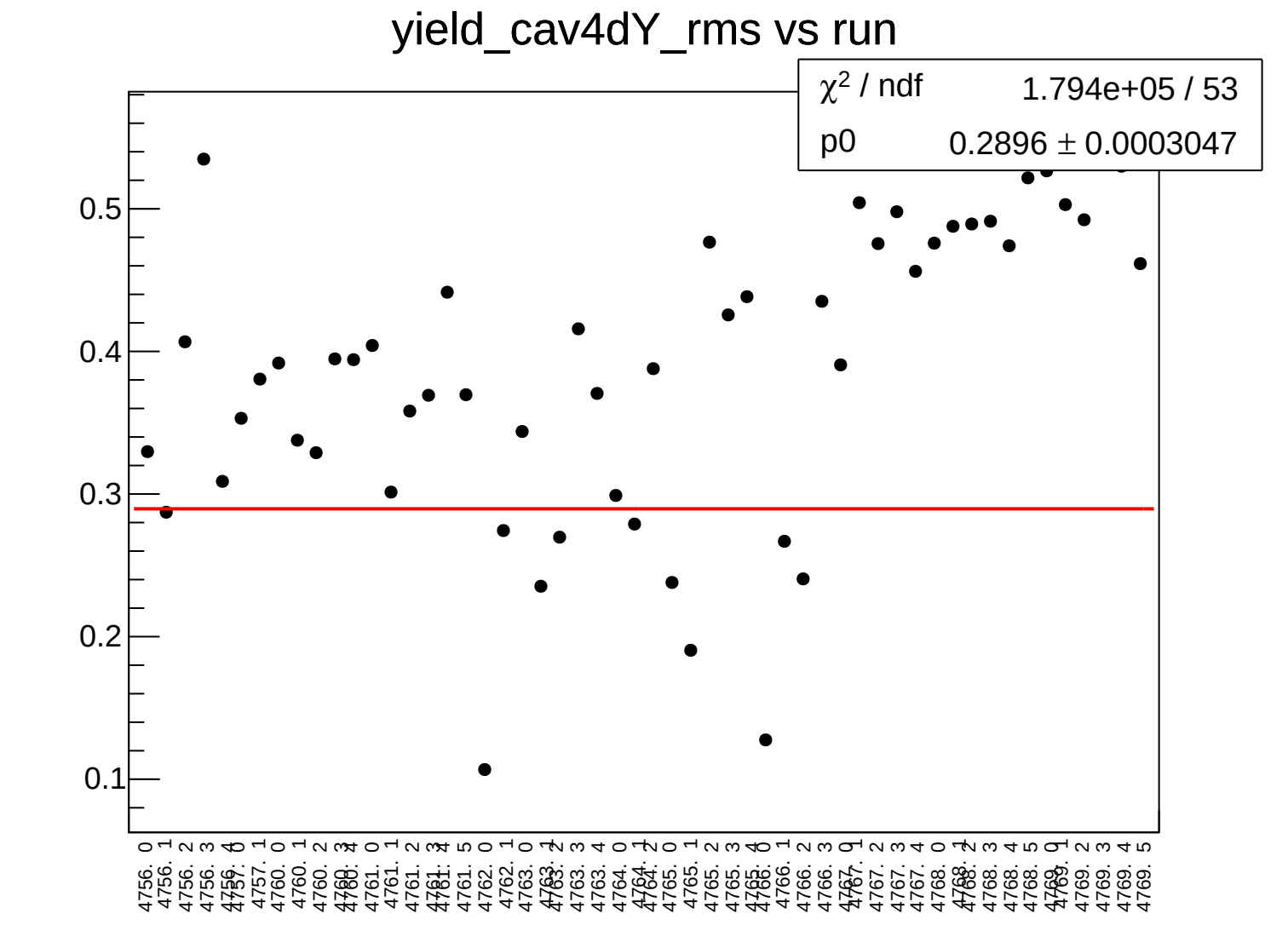

yield_cav4dX_mean vs run
χ² / ndf 5.469e+04 / 53
p0 7.041± 2.726e−07
pull
Entries 54
Mean 118
Std Dev 94.93

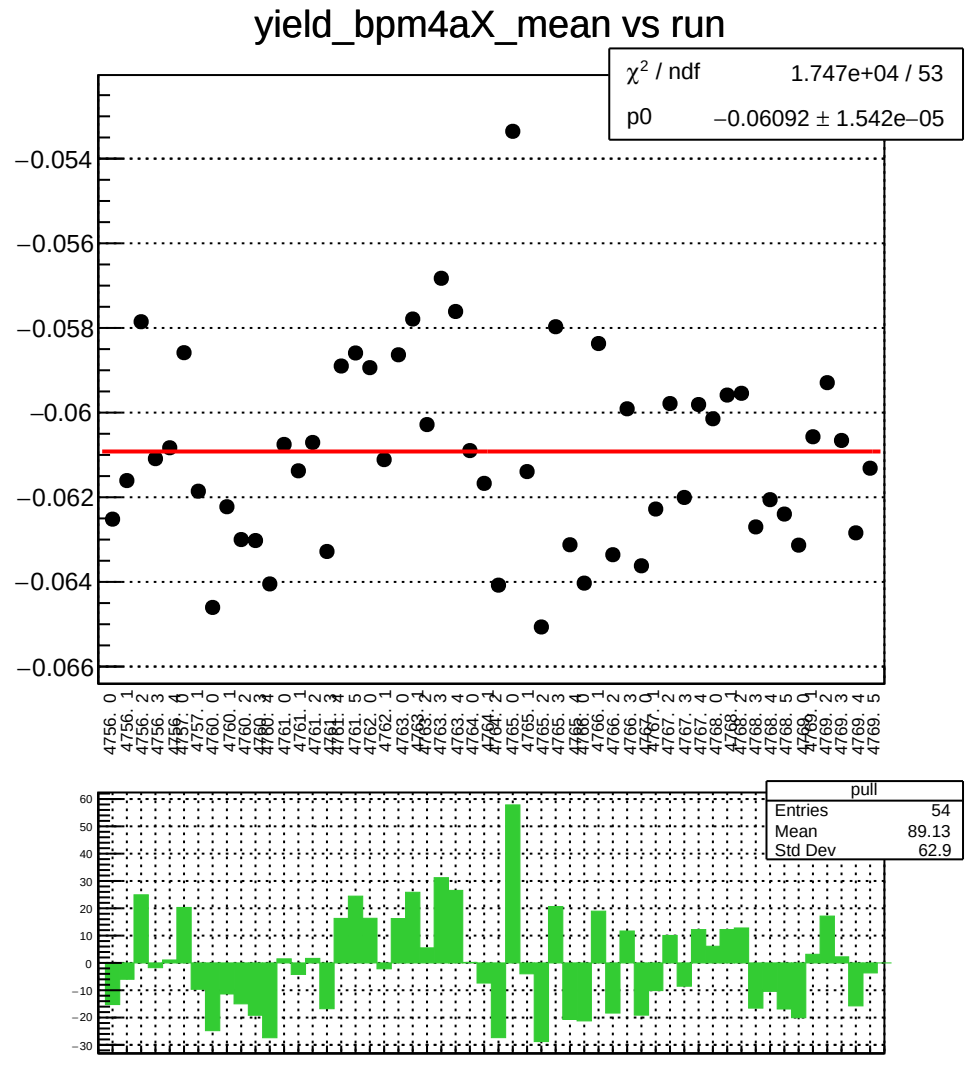

pull1D
Entries 54
Mean −2.957
Std Dev 4.34

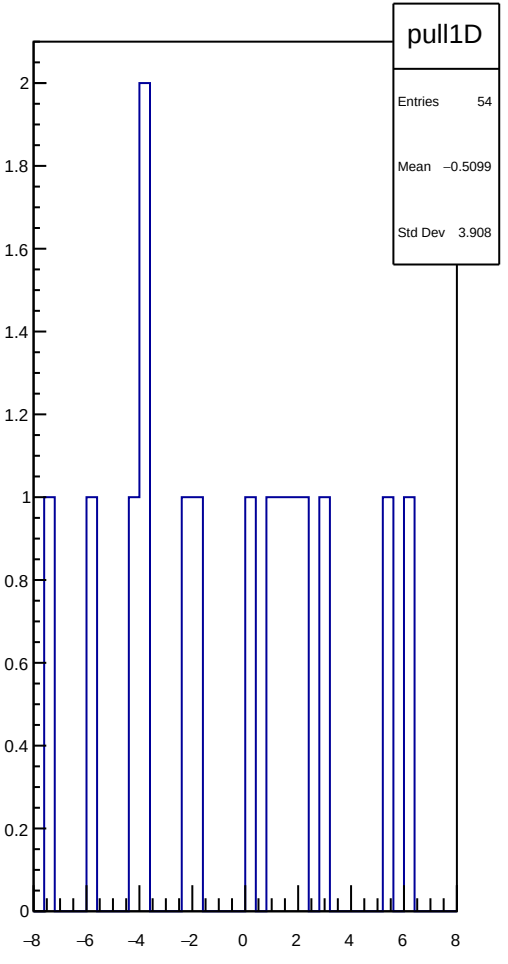

yield_cav4dX_rms vs run
χ² / ndf 3.92e+05 / 53
p0 0.0001602 ± 1.928e−07
3.5
3
2.5
2
1.5
1
0.5

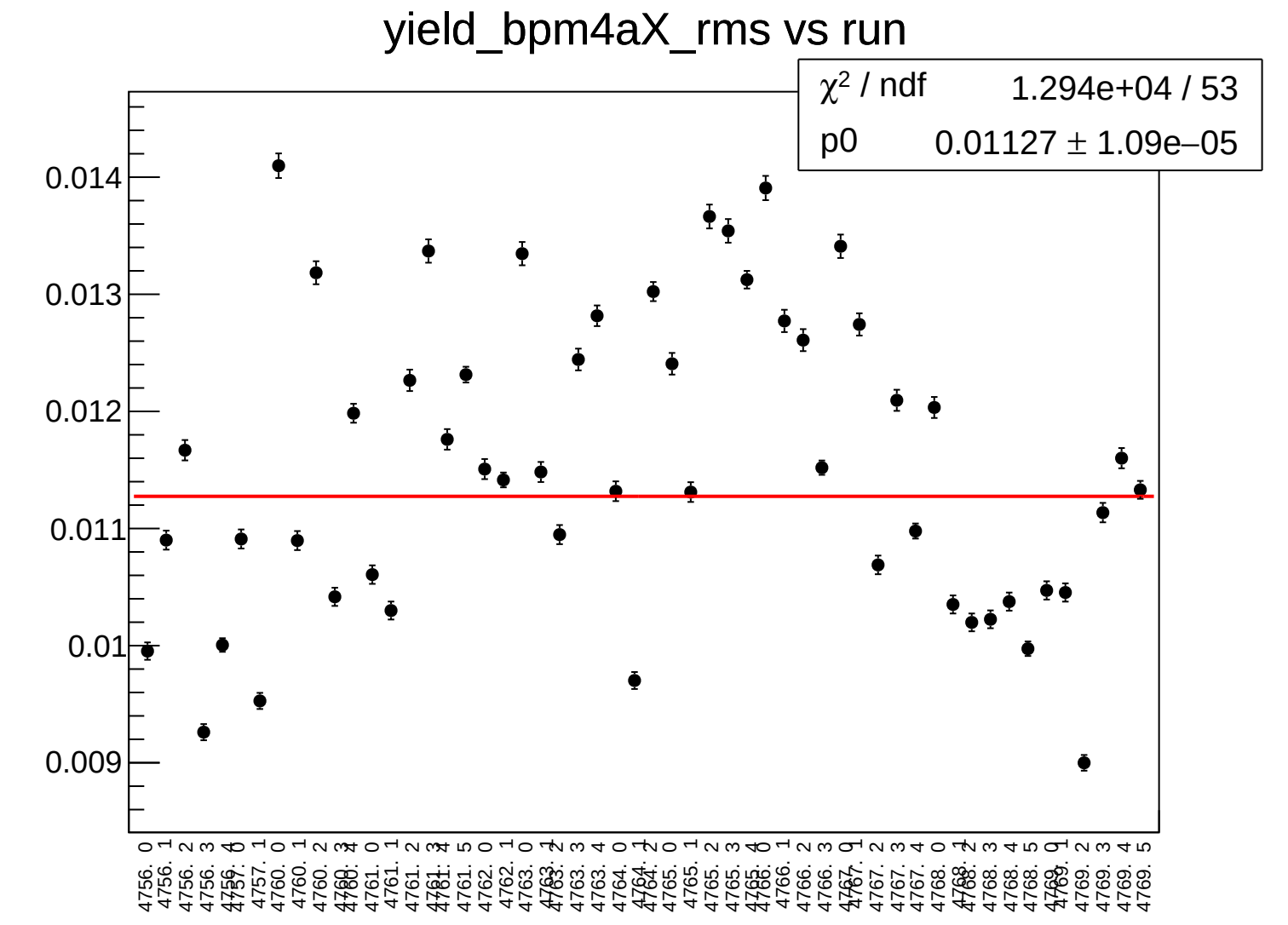

yield_cav4dY_mean vs run
χ² / ndf 1.394e+05 / 53
p0 −0.2386 ± 0.000431
pull
Entries 54
Mean 59.75
Std Dev 30.11

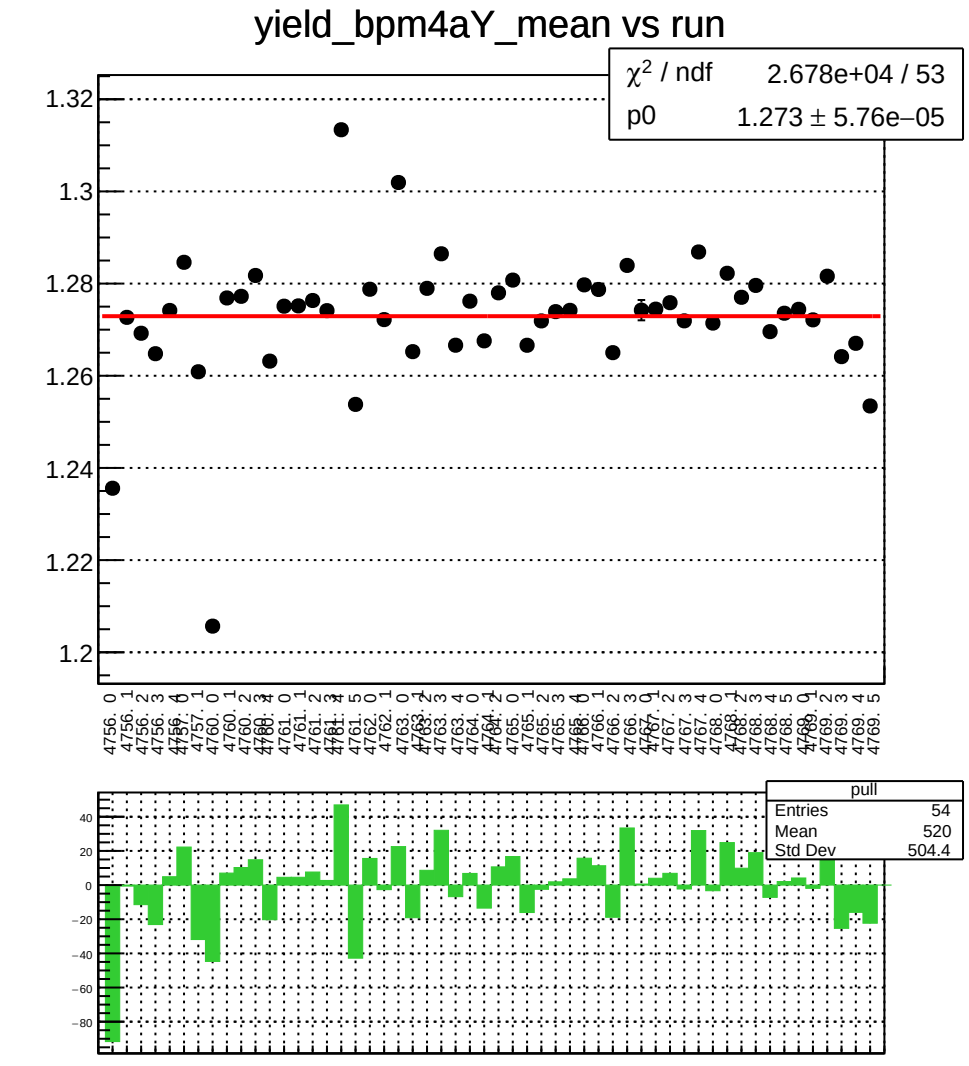

pull1D
Entries 54
Mean −3.07
Std Dev 1.079

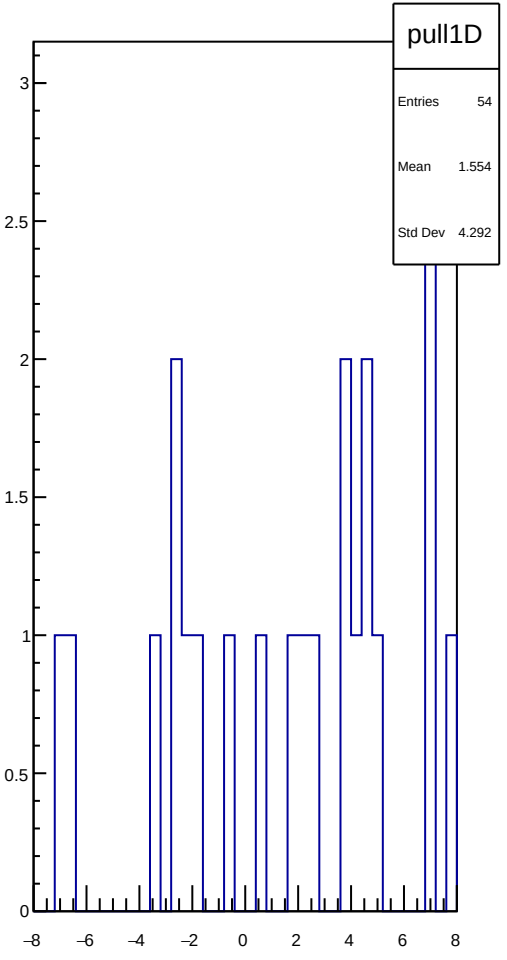

yield_cav4dY_rms vs run
χ² / ndf 1.794e+05 / 53
p0 0.2896 ± 0.0003047
0.5
0.4
0.3
0.2
0.1
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

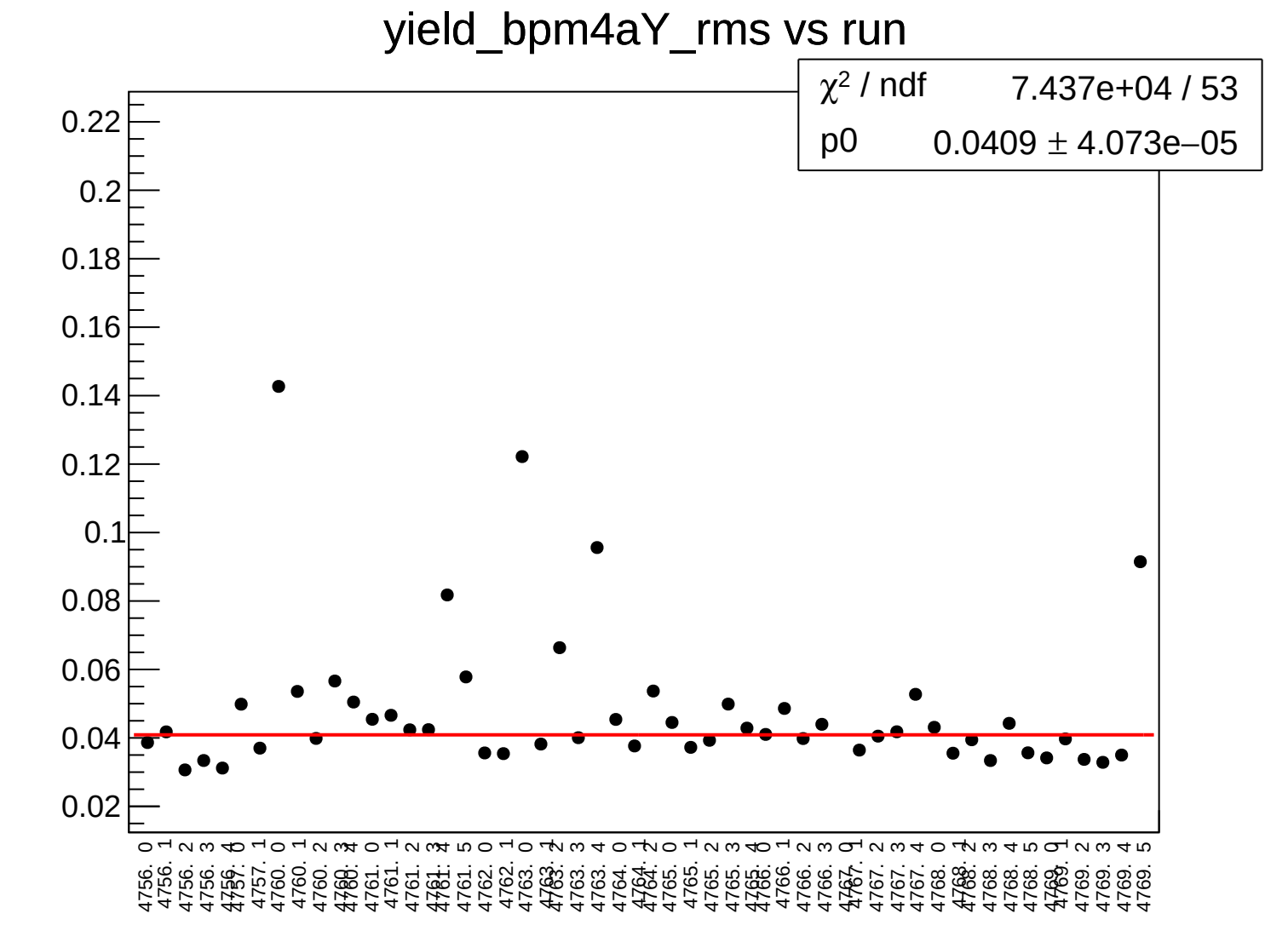

yield_bpm4aX_mean vs run
χ² / ndf 1.747e+04 / 53
p0 −0.06092 ± 1.542e−05
pull
Entries 54
Mean 89.13
Std Dev 62.9

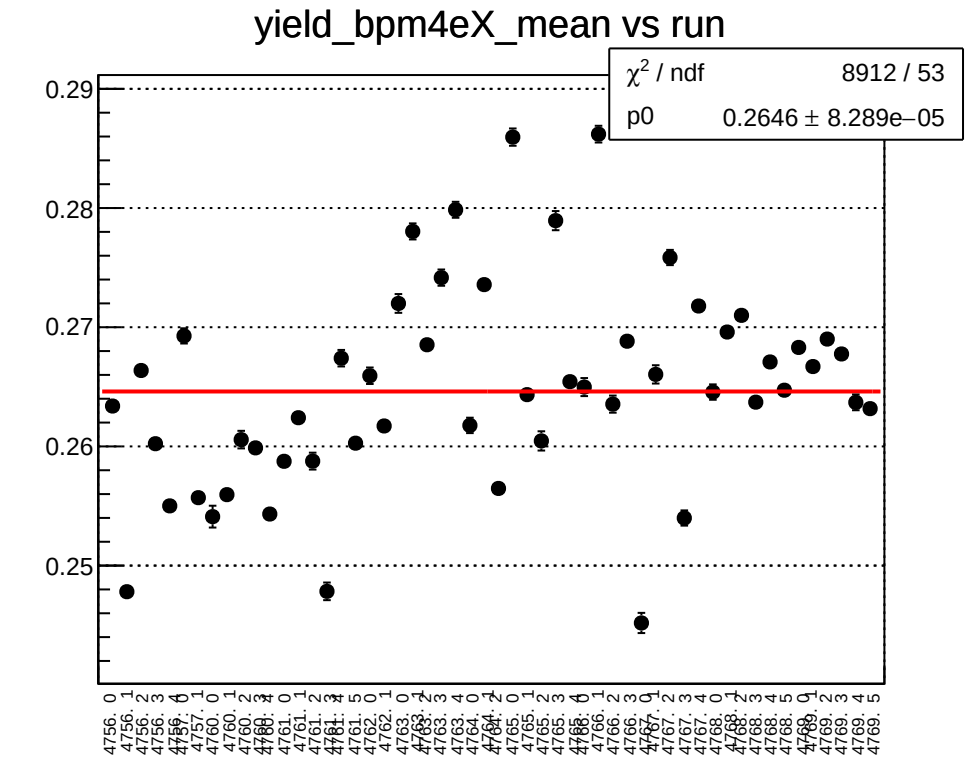

pull1D
Entries 54
Mean −0.5099
Std Dev 3.908

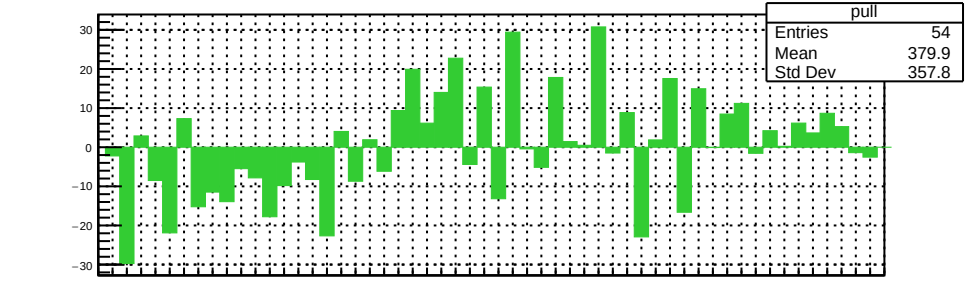

yield_bpm4aX_rms vs run
χ² / ndf 1.294e+04 / 53
p0 0.01127 ± 1.09e−05
0.014
0.013
0.012
0.011
0.01
0.009
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

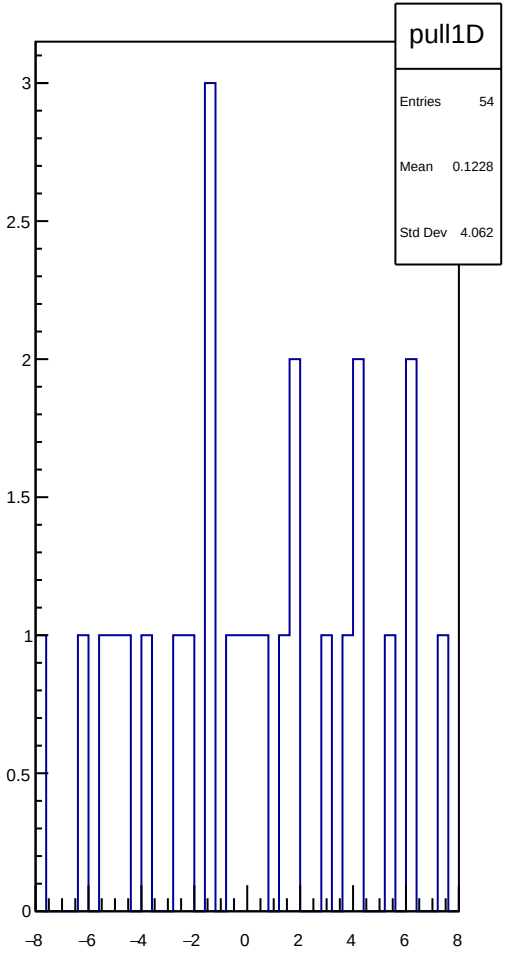

yield_bpm4aY_mean vs run
χ² / ndf 2.678e+04 / 53
p0 1.273 ± 5.76e−05
pull
Entries 54
Mean 520
Std Dev 504.4

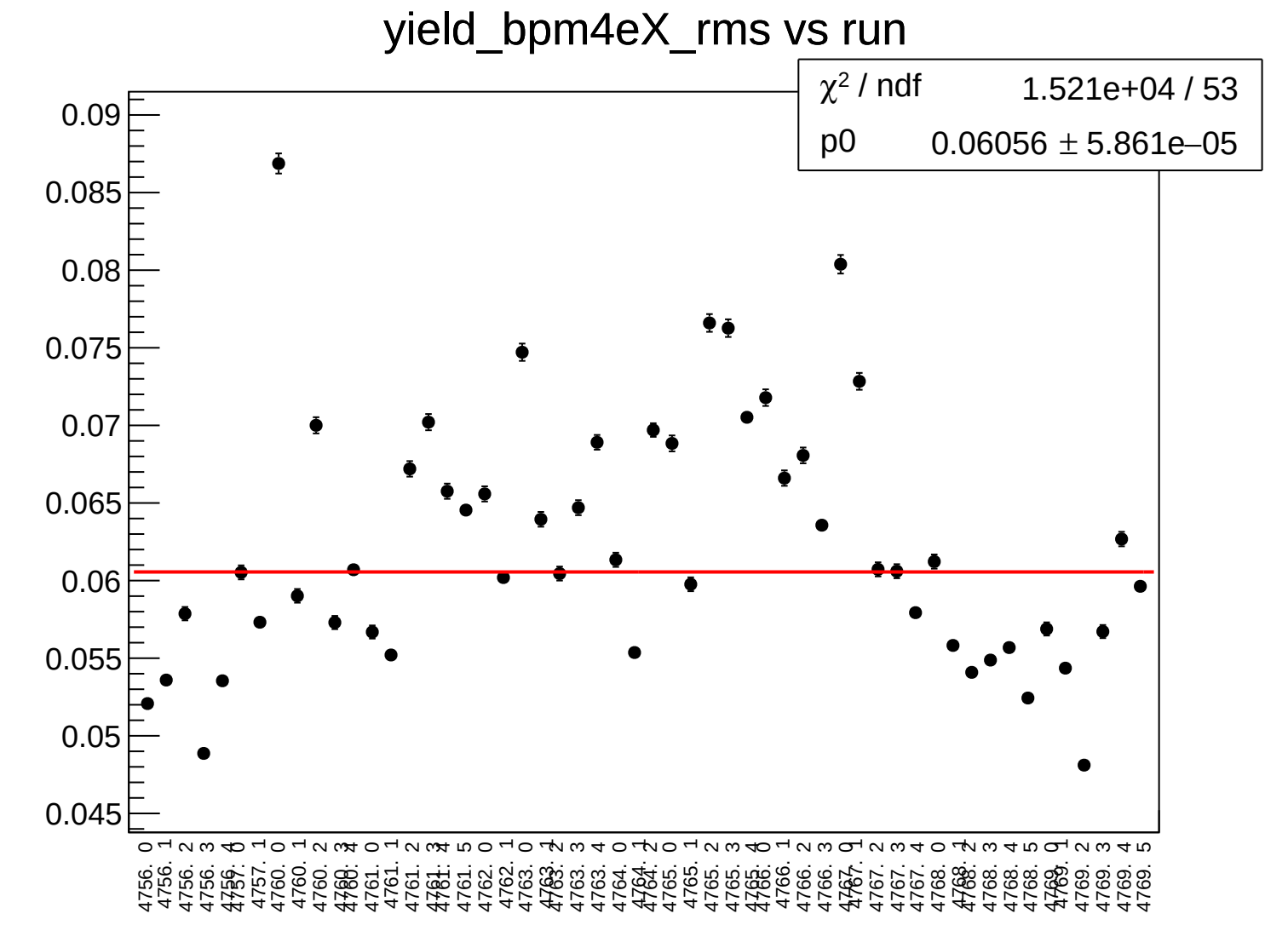

pull1D
Entries 54
Mean 1.554
Std Dev 4.292

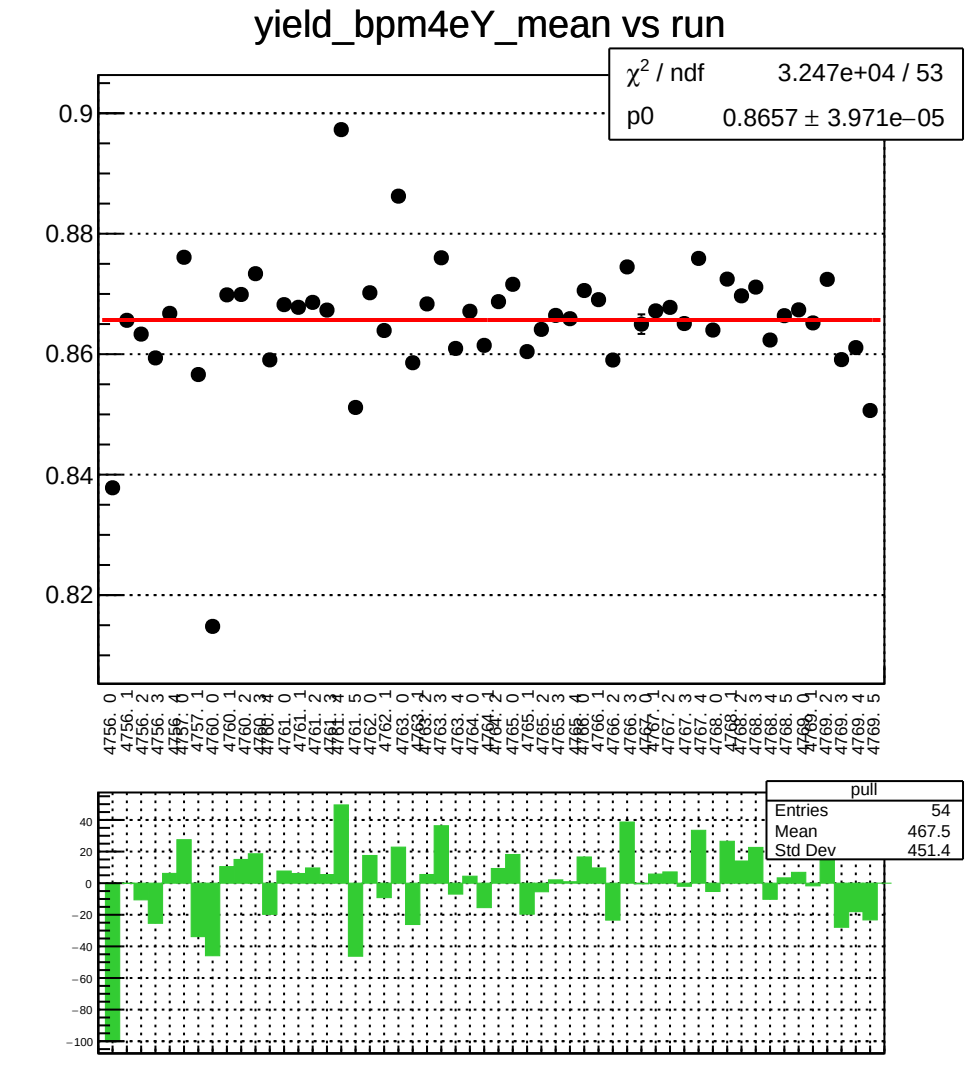

yield_bpm4aY_rms vs run
χ² / ndf 7.437e+04 / 53
p0 0.0409 ± 4.073e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

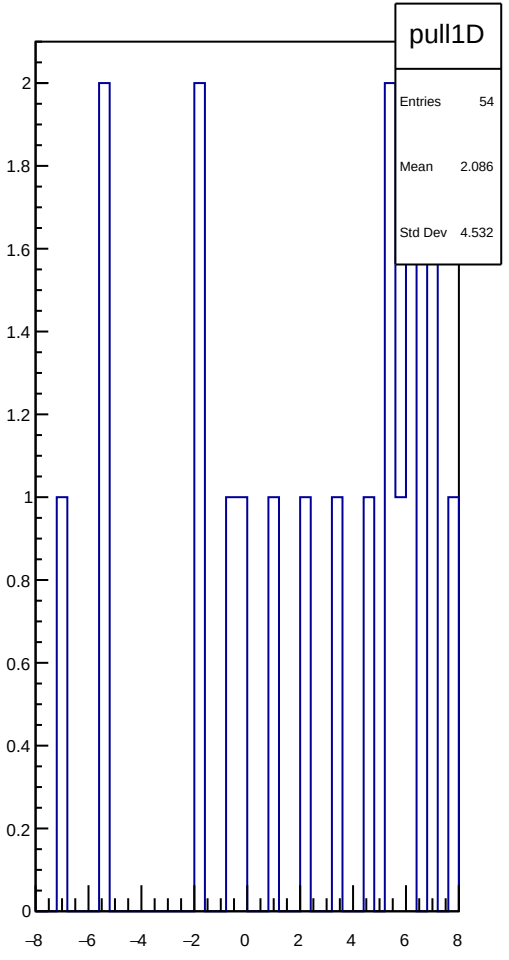

yield_bpm4eX_mean vs run
χ² / ndf 8912 / 53
p0 0.2646 ± 8.289e−05
0.29
0.28
0.27
0.26
0.25

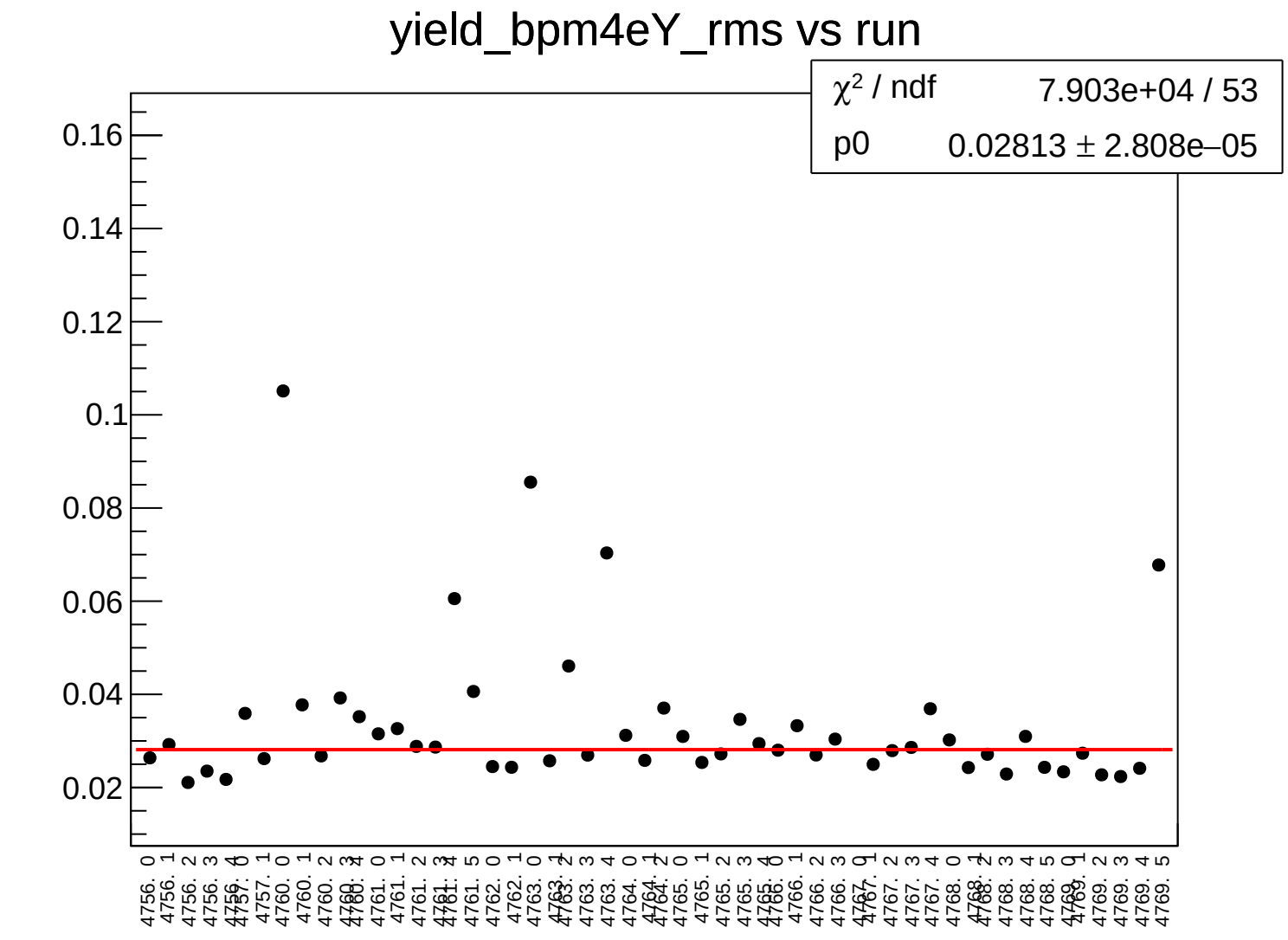

pull
Entries 54
Mean 379.9
Std Dev 357.8
30
20
10
0
−10
−20
−30

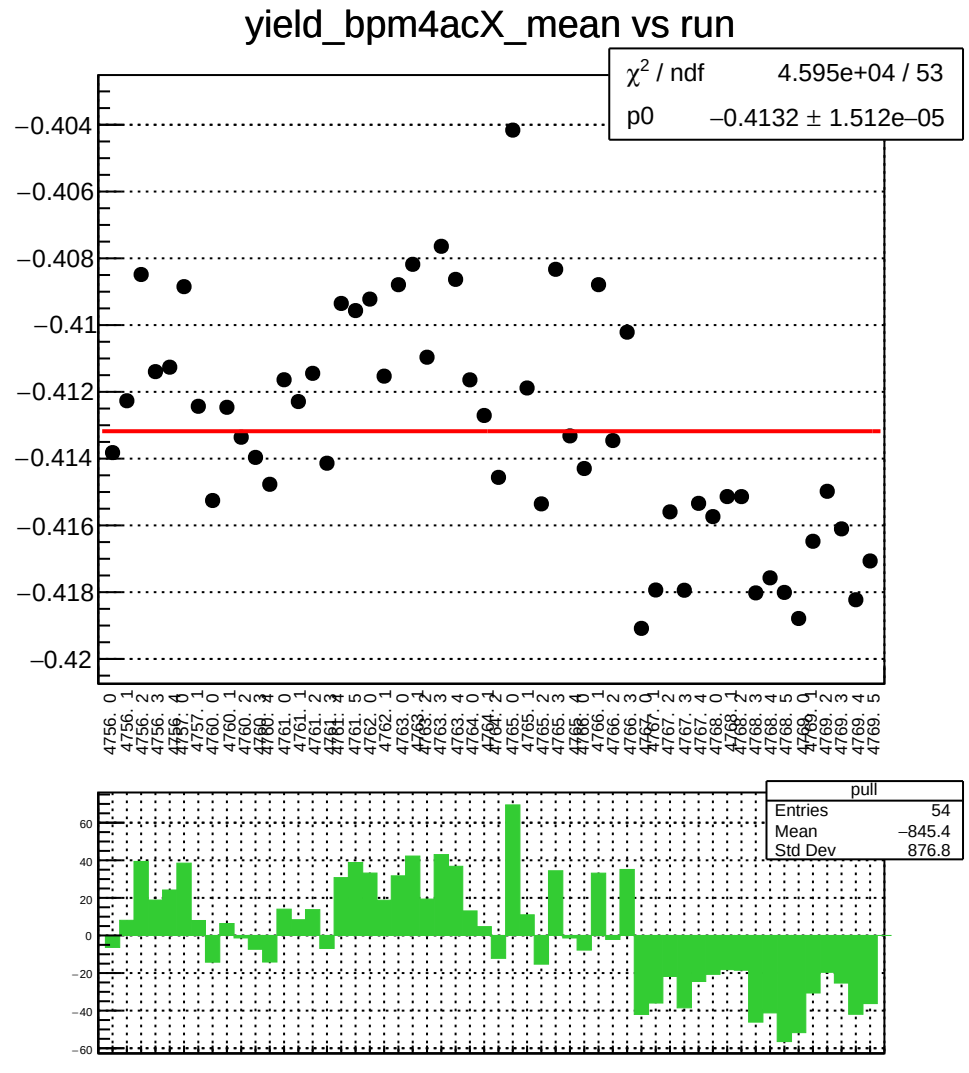

pull1D
Entries 54
Mean 0.1228
Std Dev 4.062
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

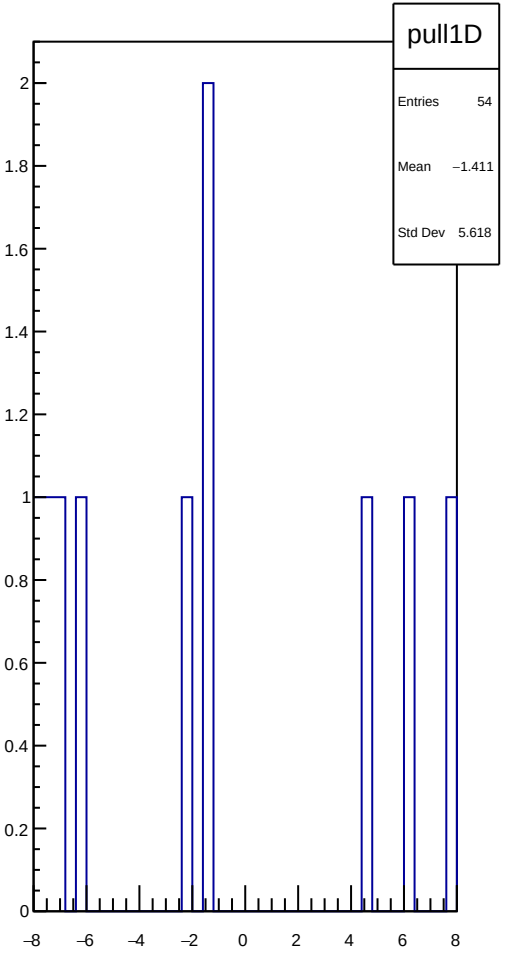

yield_bpm4eX_rms vs run
χ² / ndf 1.521e+04 / 53
p0 0.06056 ± 5.861e–05
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

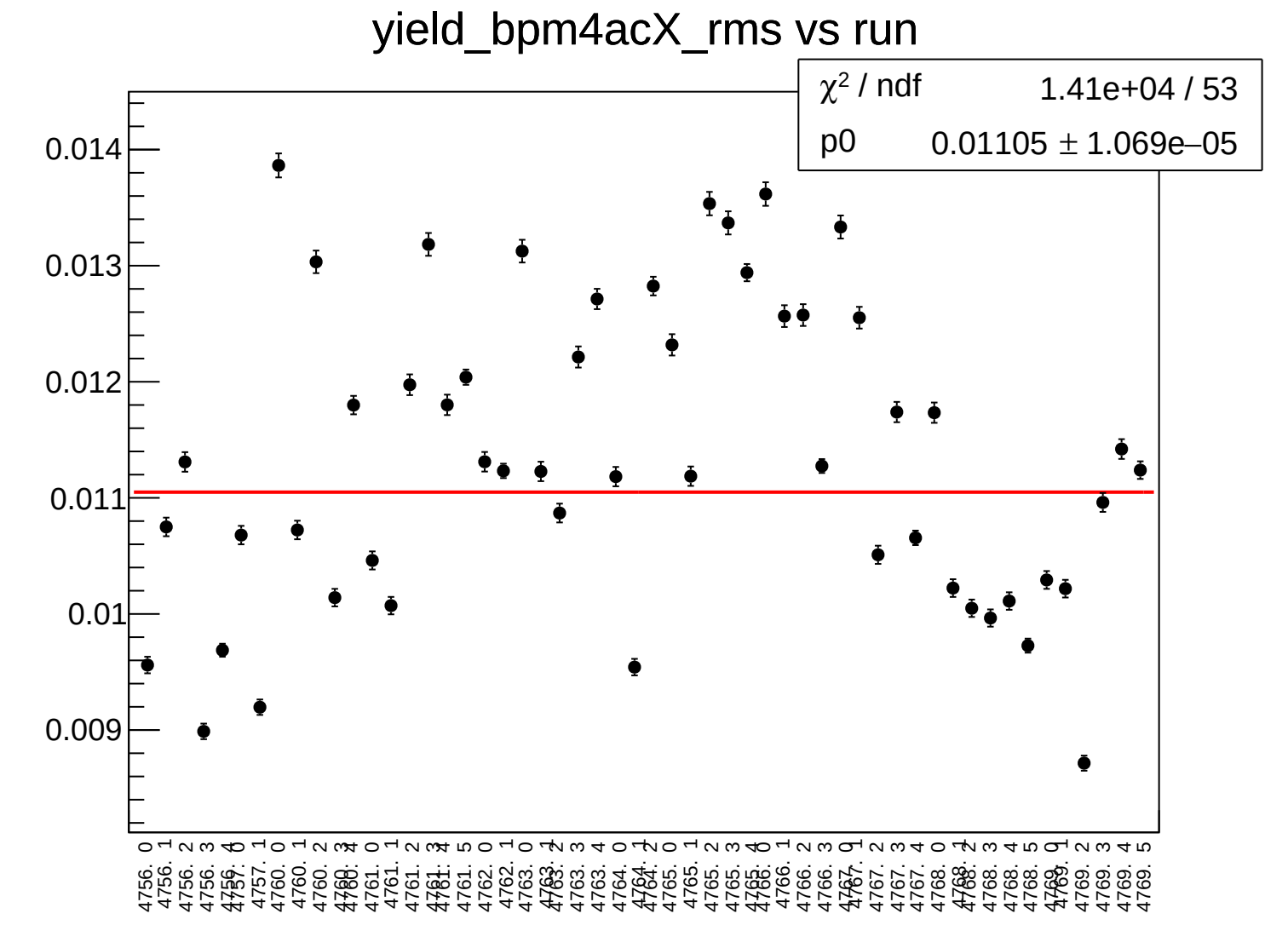

yield_bpm4eY_mean vs run
χ² / ndf 3.247e+04 / 53
p0 0.8657 ± 3.971e−05
0.9
0.88
0.86
0.84
0.82
pull
Entries 54
Mean 467.5
Std Dev 451.4
40
20
0
−20
−40
−60
−80
−100

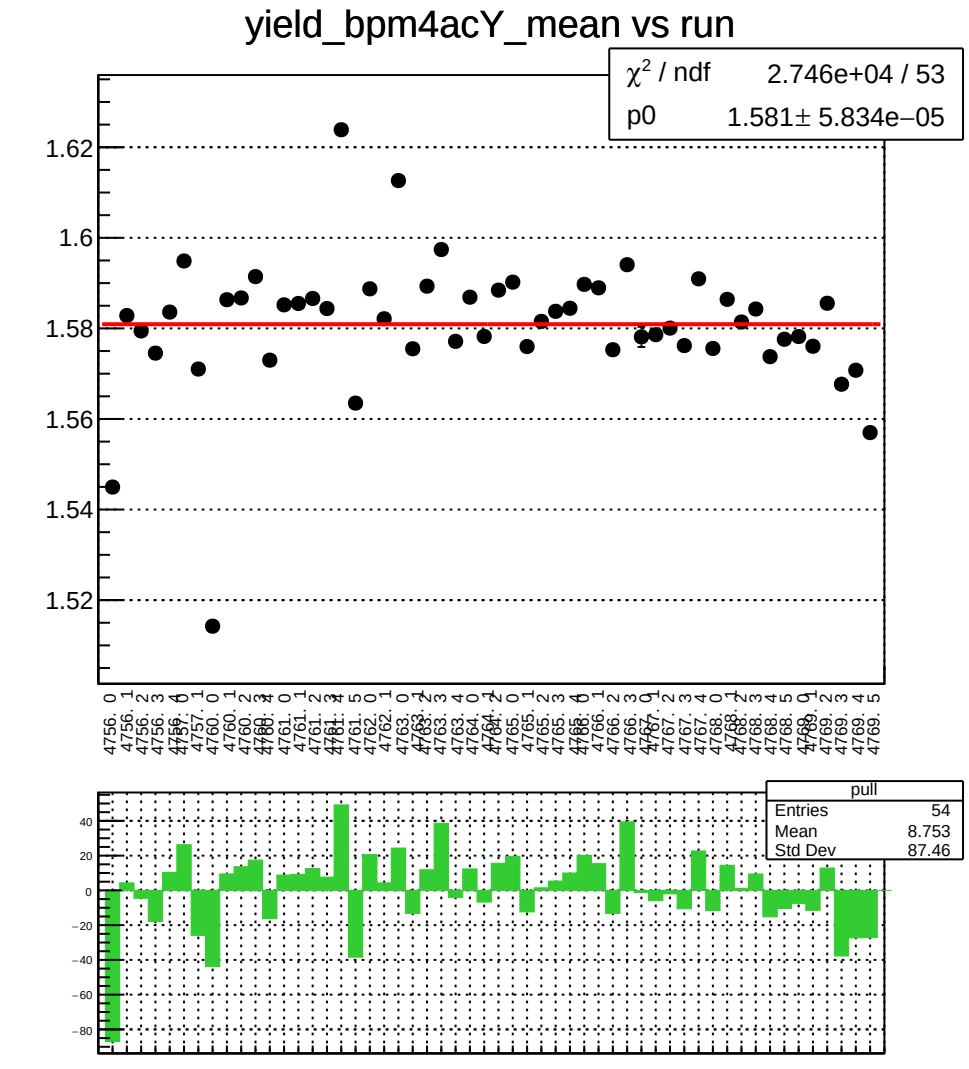

pull1D
Entries 54
Mean 2.086
Std Dev 4.532
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

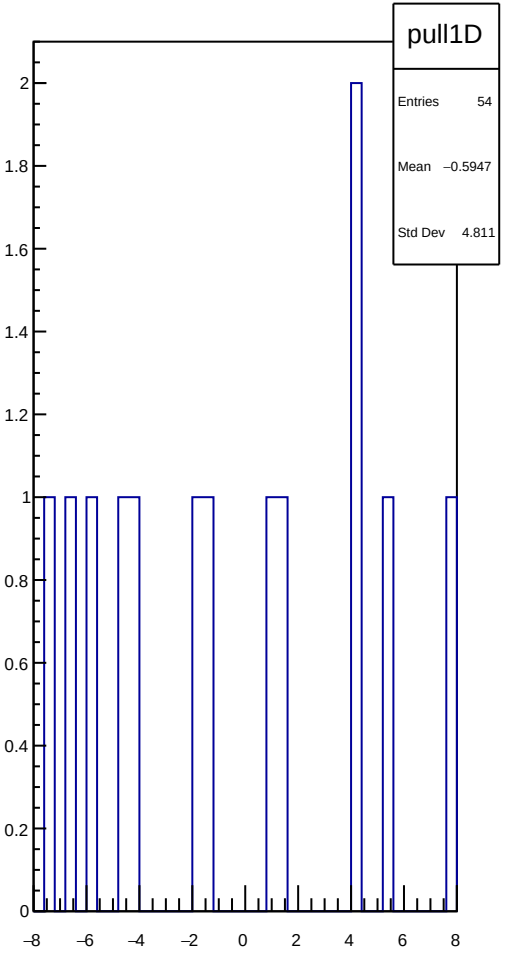

yield_bpm4eY_rms vs run
χ² / ndf 7.903e+04 / 53
p0 0.02813 ± 2.808e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

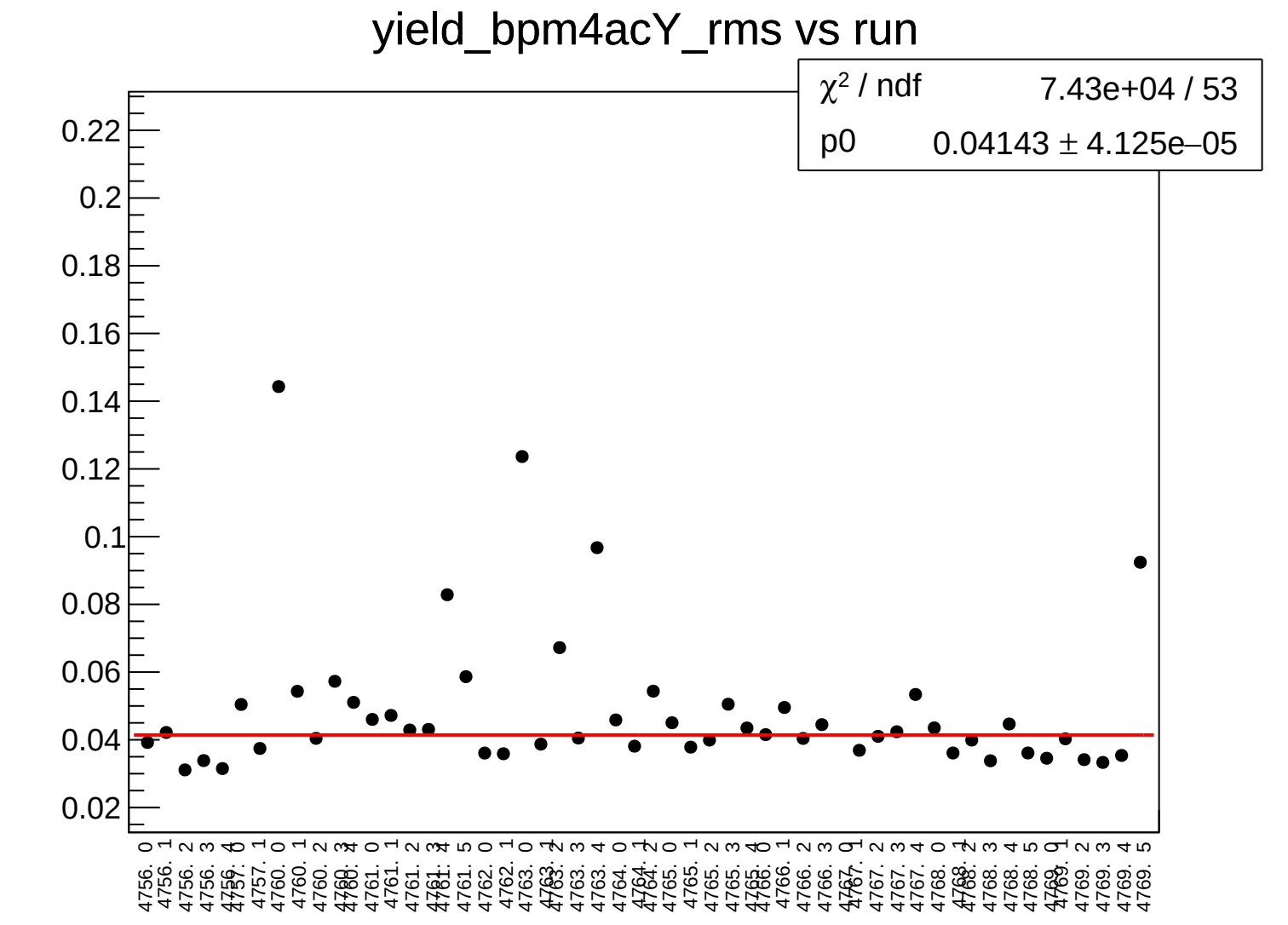

yield_bpm4acX_mean vs run
χ² / ndf 4.595e+04 / 53
p0 −0.4132 ± 1.512e−05
−0.404
−0.406
−0.408
−0.41
−0.412
−0.414
−0.416
−0.418
−0.42
pull
Entries 54
Mean −845.4
Std Dev 876.8
60
40
20
0
−20
−40
−60

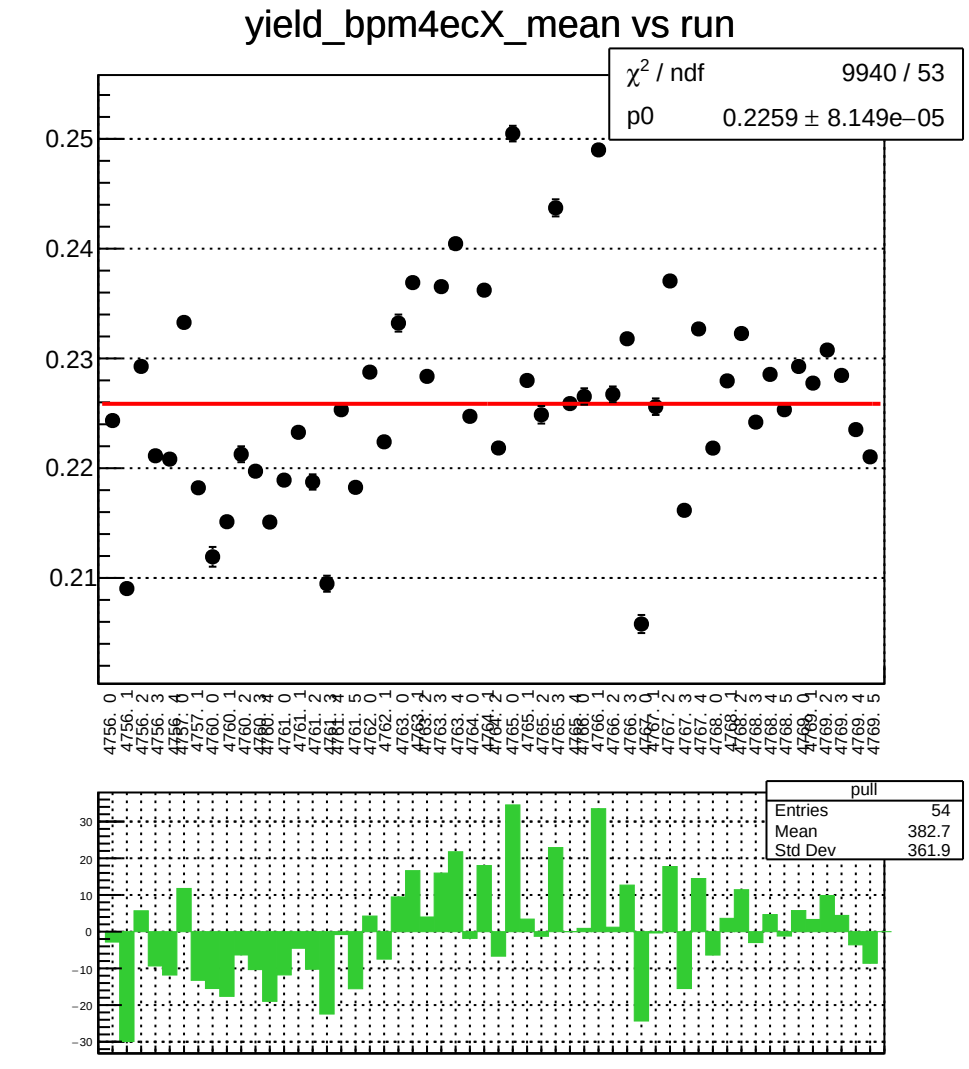

pull1D
Entries 54
Mean −1.411
Std Dev 5.618
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

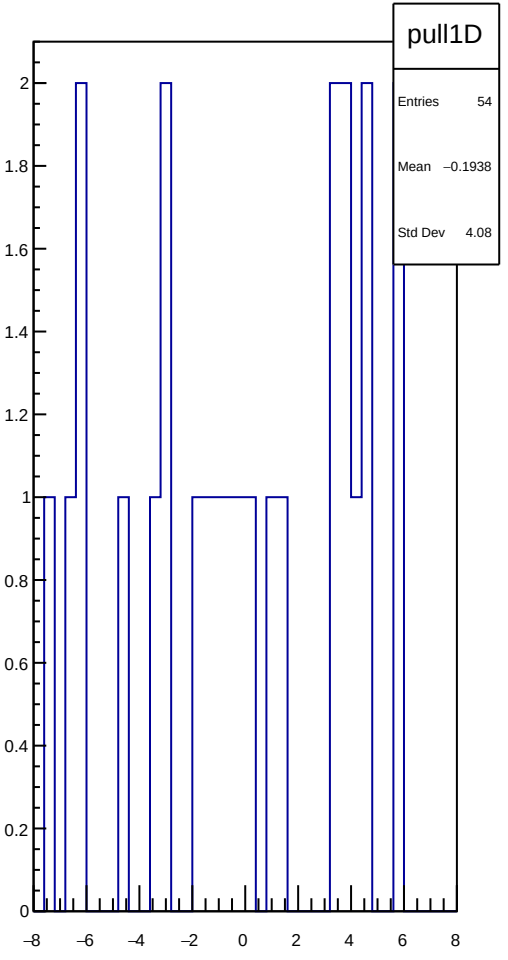

yield_bpm4acX_rms vs run
χ² / ndf 1.41e+04 / 53
p0 0.01105 ± 1.069e–05
0.014
0.013
0.012
0.011
0.01
0.009
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

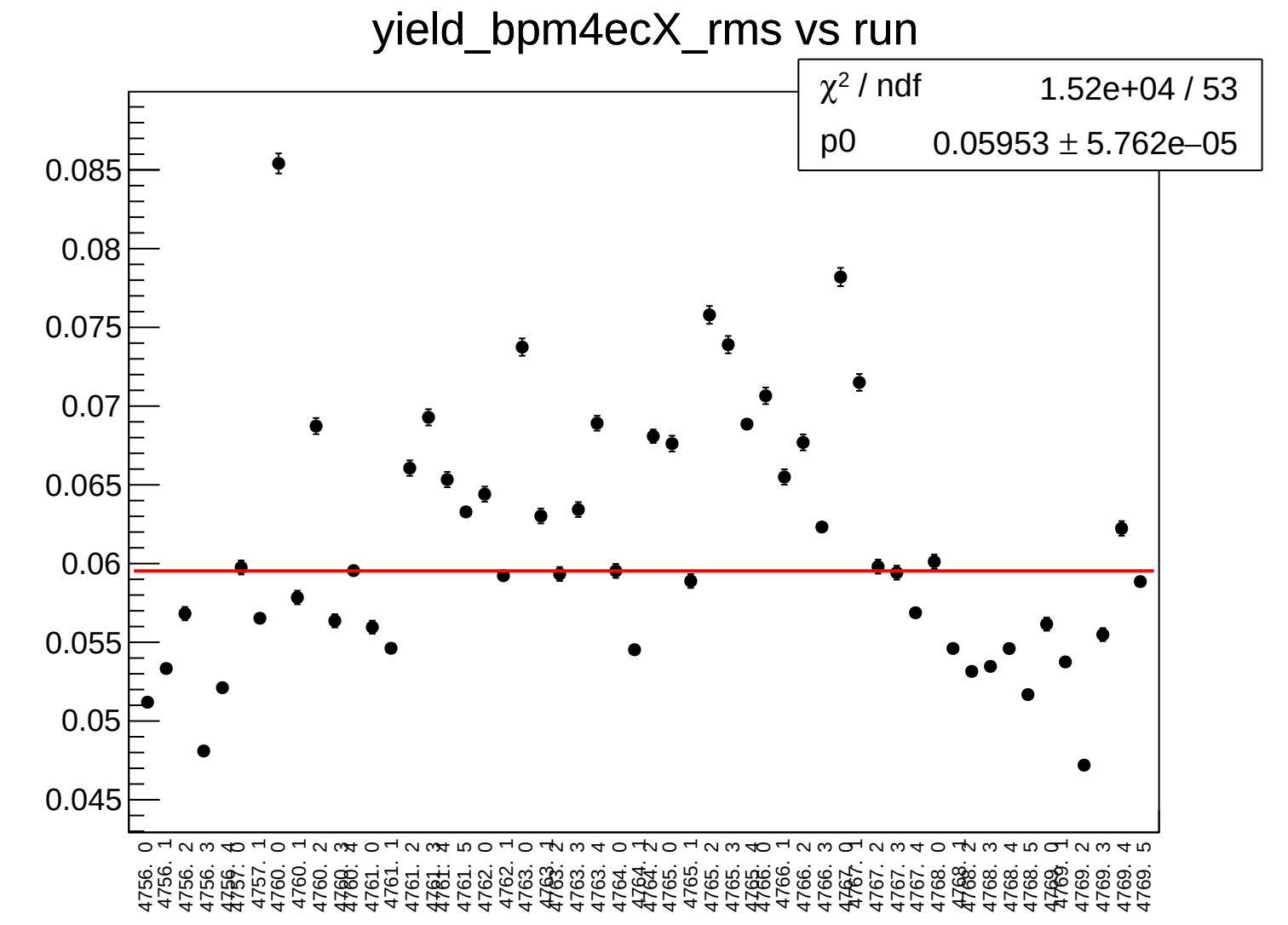

yield_bpm4acY_mean vs run
χ² / ndf 2.746e+04 / 53
p0 1.581± 5.834e−05
1.62
1.6
1.58
1.56
1.54
1.52
pull
Entries 54
Mean 8.753
Std Dev 87.46
40
20
0
−20
−40
−60
−80

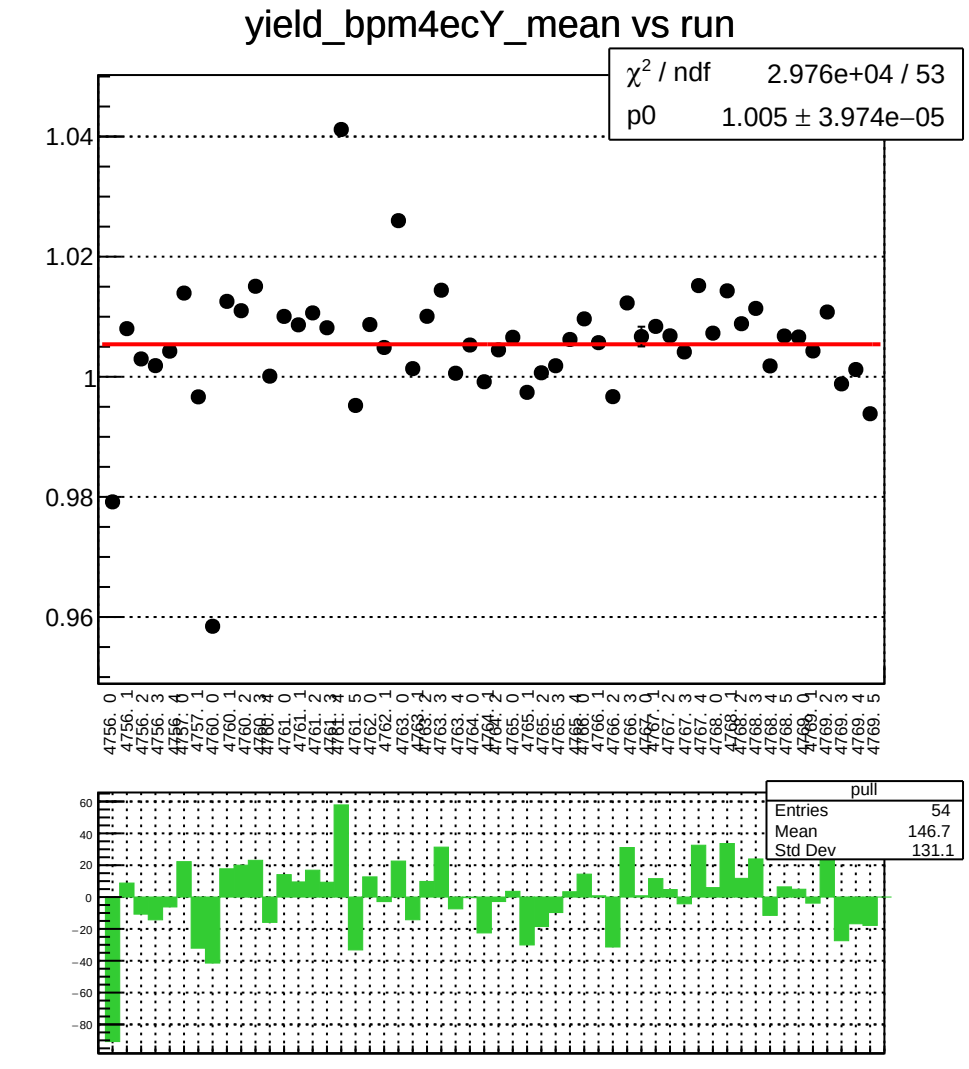

pull1D
Entries 54
Mean −0.5947
Std Dev 4.811
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

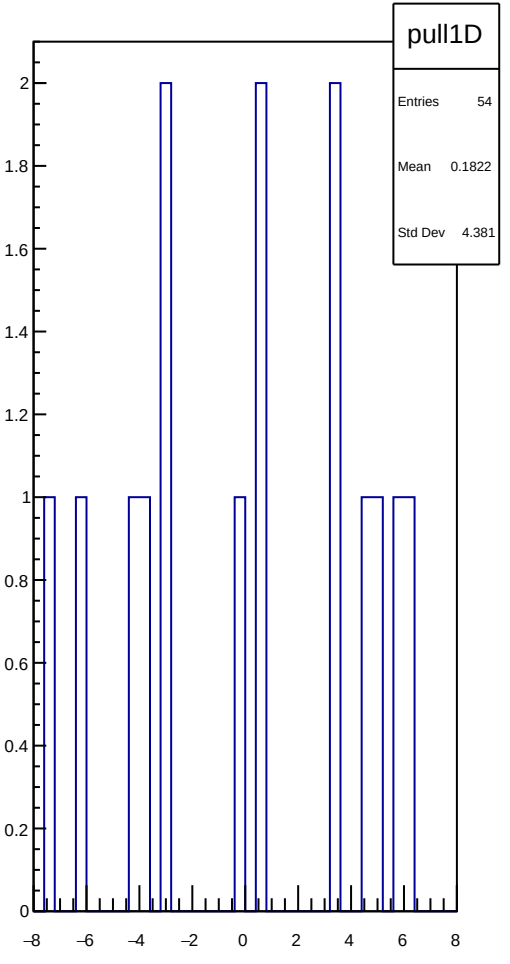

yield_bpm4acY_rms vs run
χ² / ndf 7.43e+04 / 53
p0 0.04143 ± 4.125e−05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

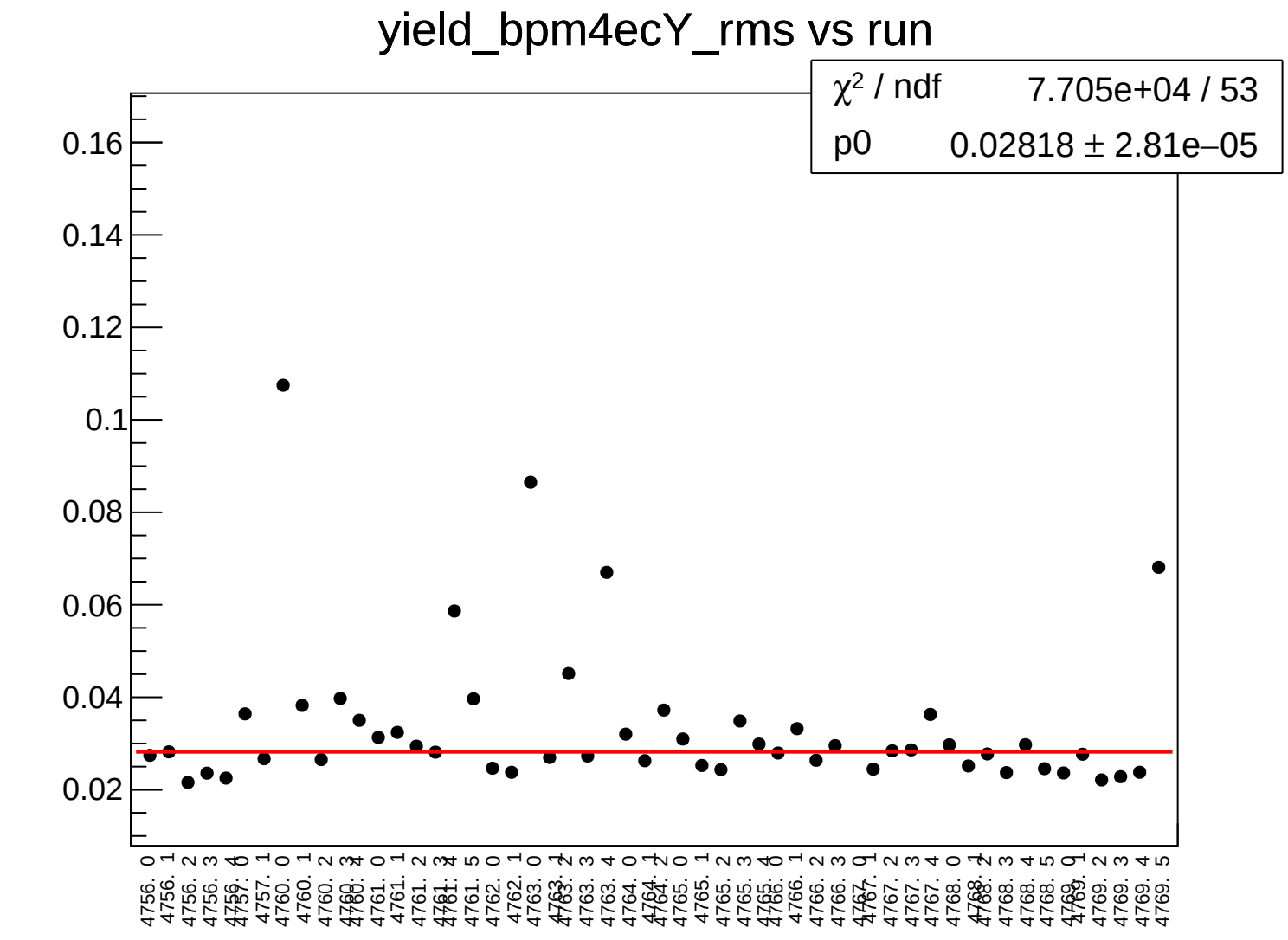

yield_bpm4ecX_mean vs run
χ² / ndf 9940 / 53
p0 0.2259 ± 8.149e−05
0.25
0.24
0.23
0.22
0.21
pull
Entries 54
Mean 382.7
Std Dev 361.9
30
20
10
0
−10
−20
−30

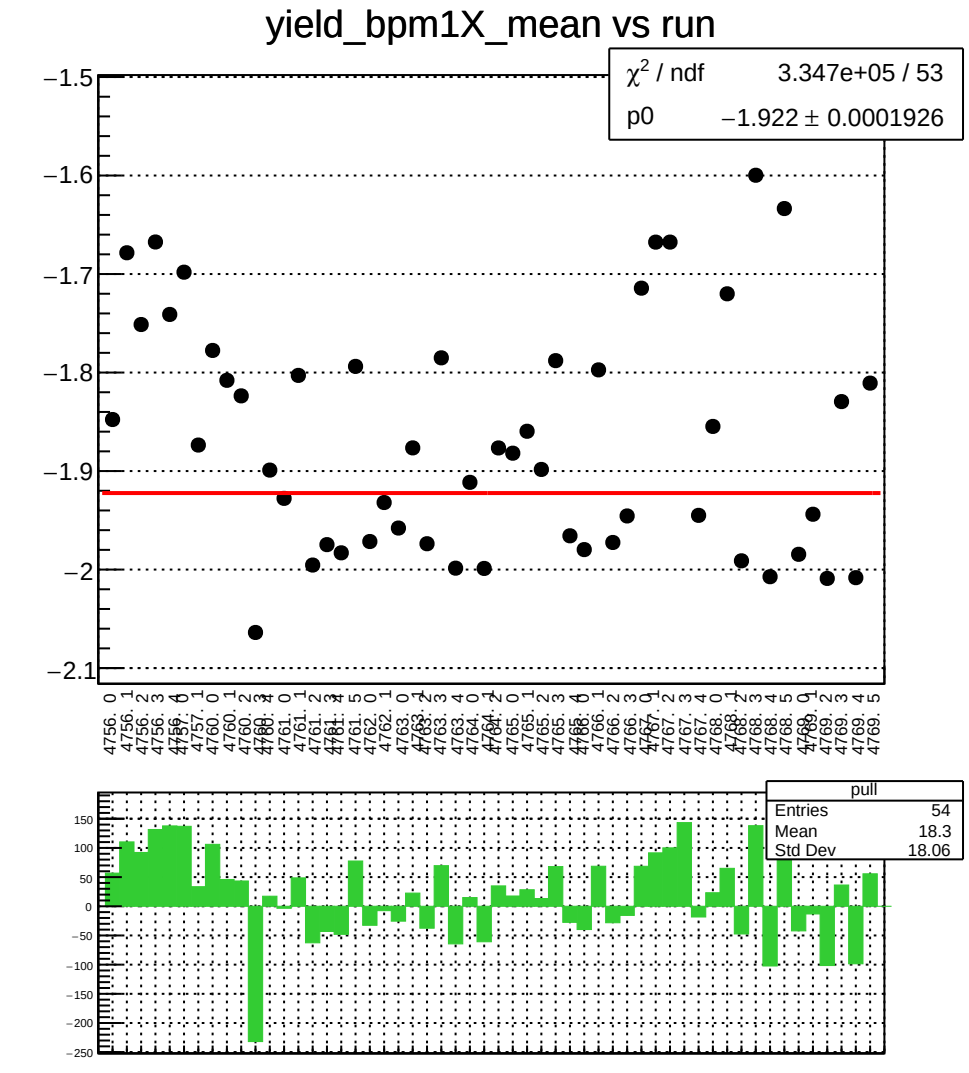

pull1D
Entries 54
Mean −0.1938
Std Dev 4.08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

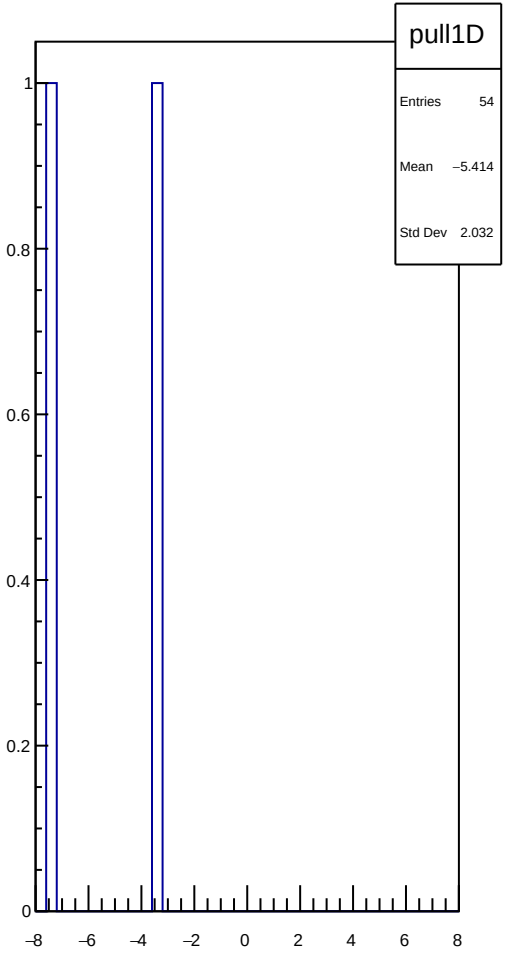

yield_bpm4ecX_rms vs run
χ² / ndf 1.52e+04 / 53
p0 0.05953 ± 5.762e−05
0.085
0.08
0.075
0.07
0.065
0.06
0.055
0.05
0.045
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

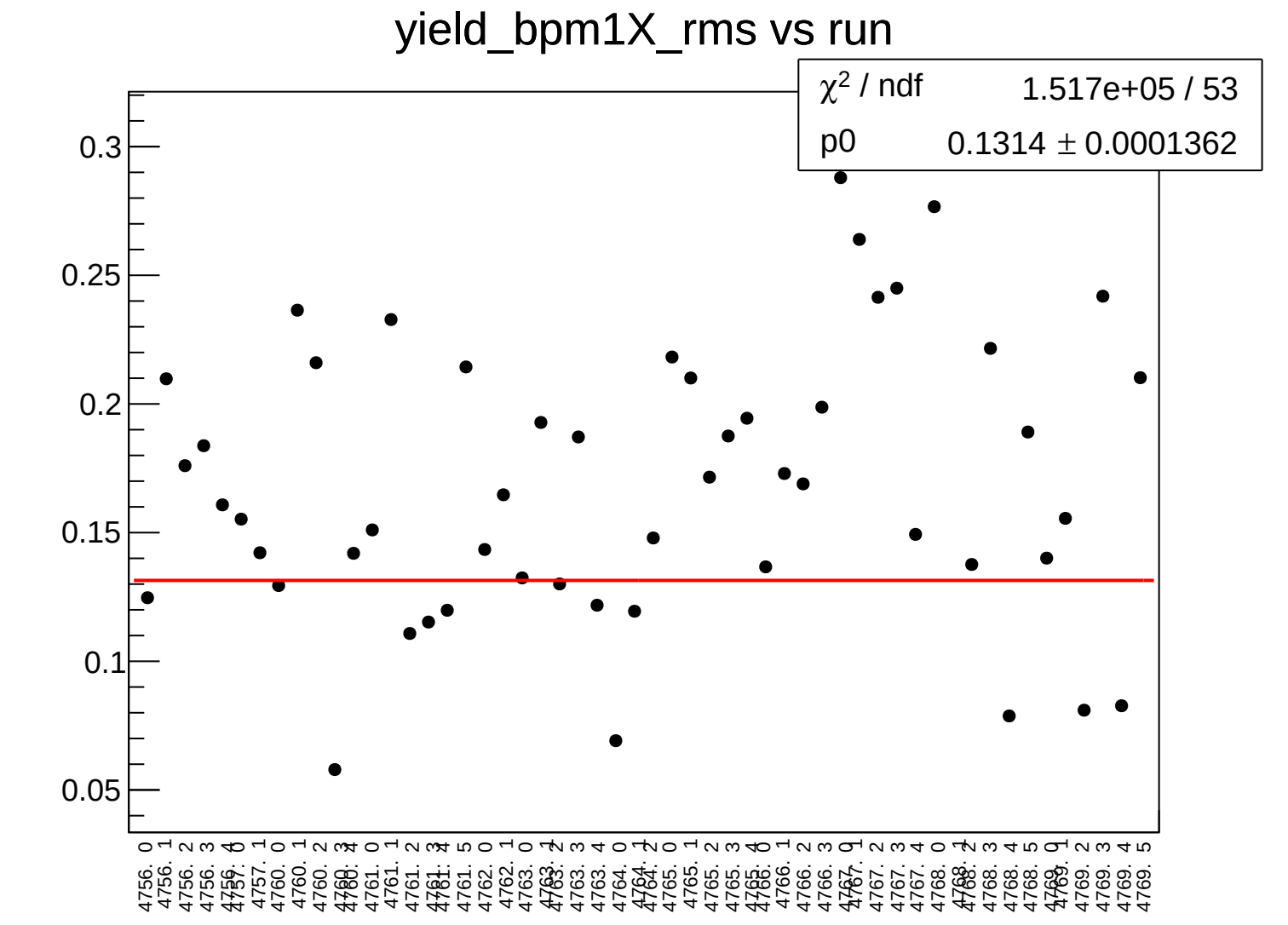

yield_bpm4ecY_mean vs run
χ² / ndf 2.976e+04 / 53
p0 1.005 ± 3.974e−05
1.04
1.02
1
0.98
0.96
pull
Entries 54
Mean 146.7
Std Dev 131.1
60
40
20
0
−20
−40
−60
−80

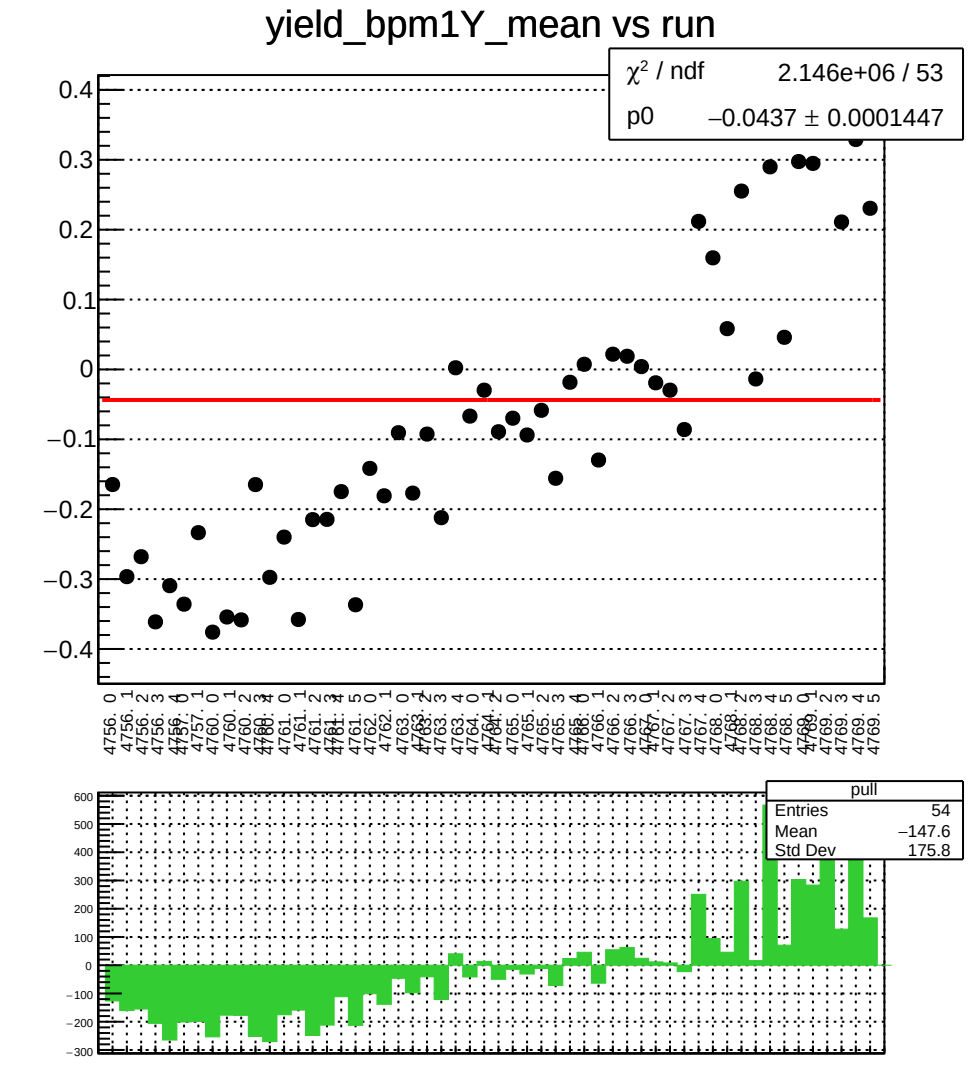

pull1D
Entries 54
Mean 0.1822
Std Dev 4.381
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

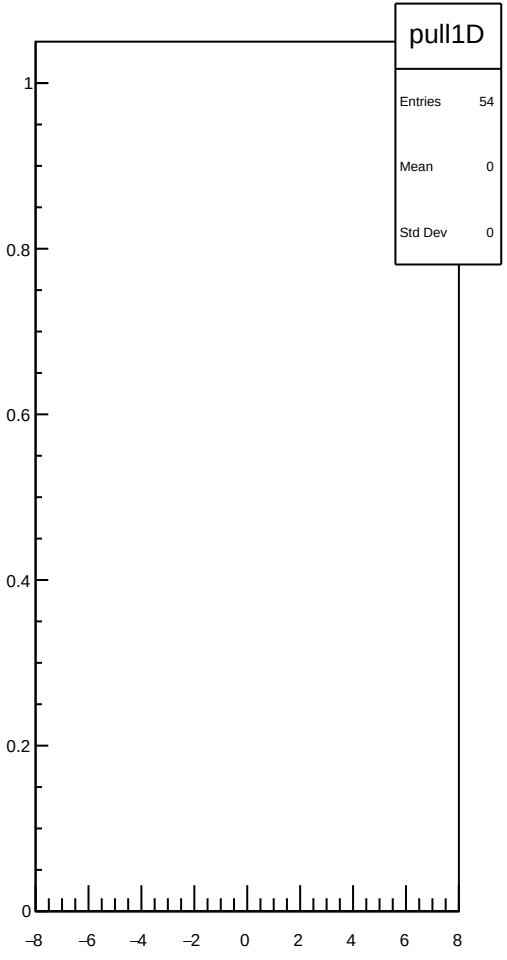

yield_bpm4ecY_rms vs run
χ² / ndf 7.705e+04 / 53
p0 0.02818 ± 2.81e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

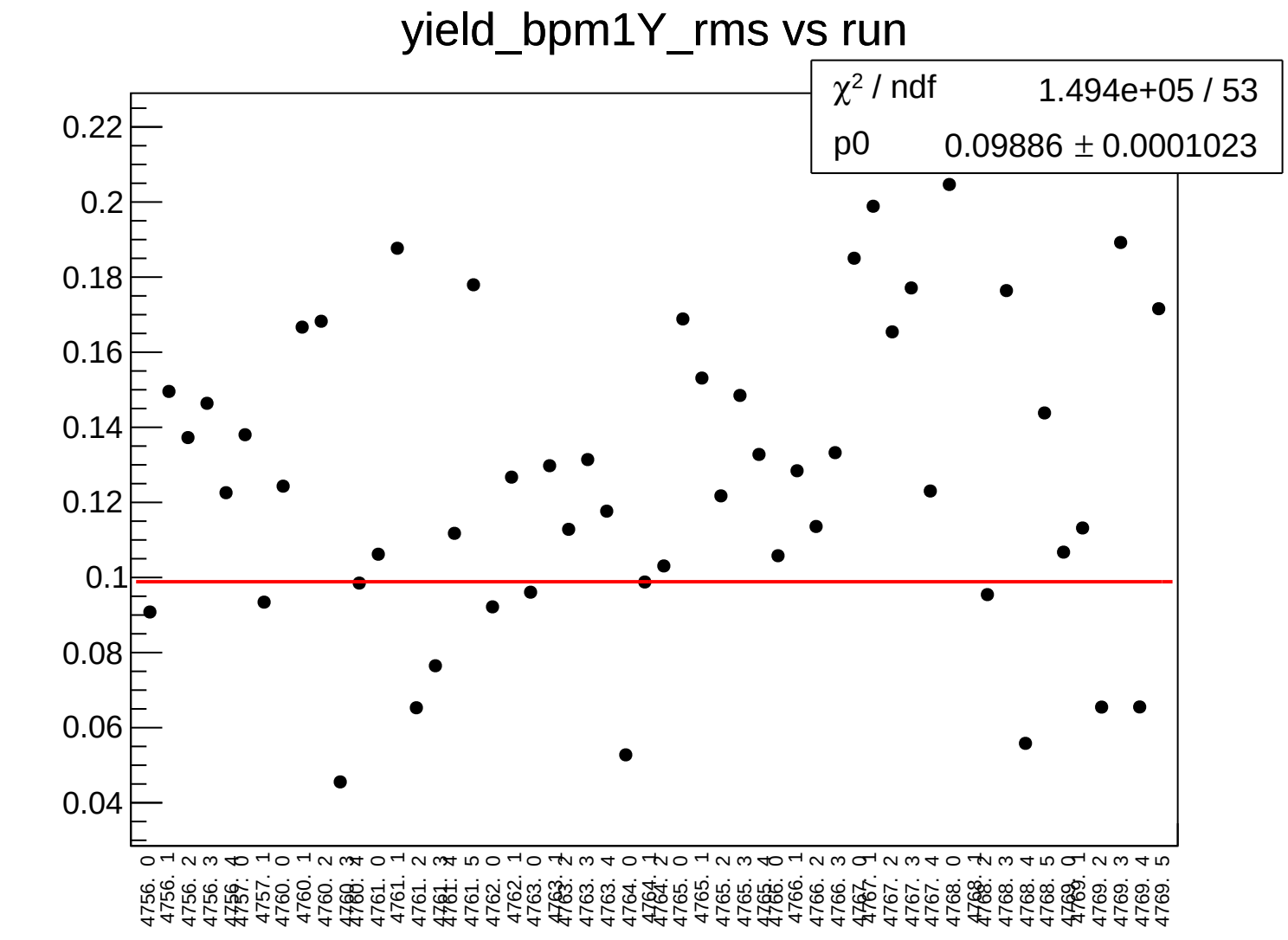

yield_bpm1X_mean vs run
χ² / ndf 3.347e+05 / 53
p0 −1.922 ± 0.0001926
pull
Entries 54
Mean 18.3
Std Dev 18.06

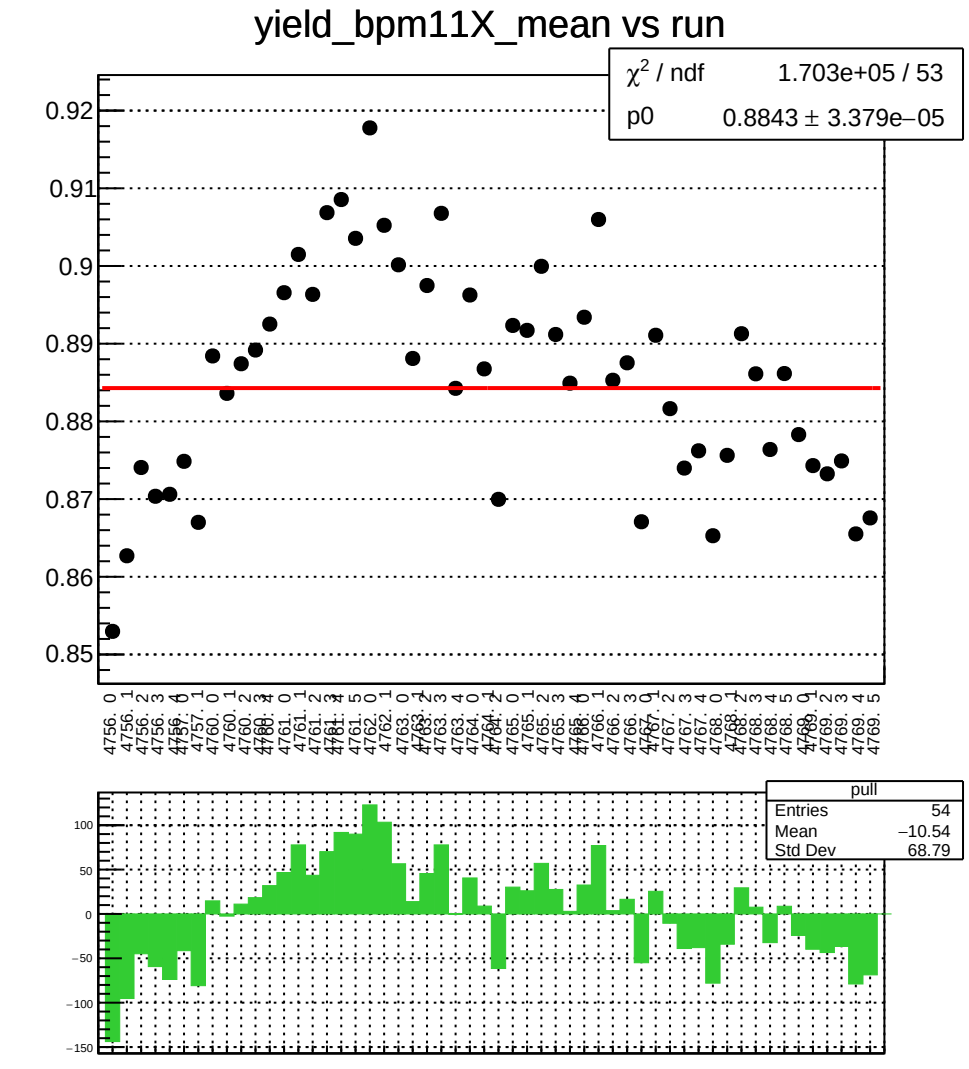

pull1D
Entries 54
Mean −5.414
Std Dev 2.032

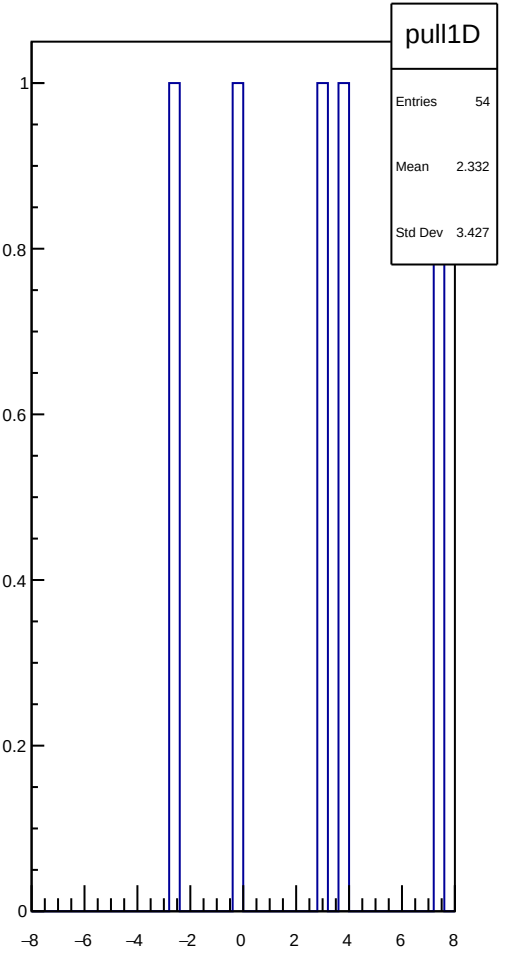

yield_bpm1X_rms vs run
χ² / ndf 1.517e+05 / 53
p0 0.1314 ± 0.0001362
0.3
0.25
0.2
0.15
0.1
0.05
4756. 0
4756. 1
4756. 2
4756. 3
4757. 1
4760. 0
4760. 1
4760. 2
4761. 0
4761. 1
4761. 5
4762. 0
4762. 1
4763. 0
4763. 3
4763. 4
4764. 0
4765. 0
4765. 1
4765. 2
4765. 3
4766. 1
4766. 2
4766. 3
4767. 2
4767. 3
4767. 4
4768. 0
4768. 3
4768. 4
4768. 5
4769. 2
4769. 3
4769. 4
4769. 5

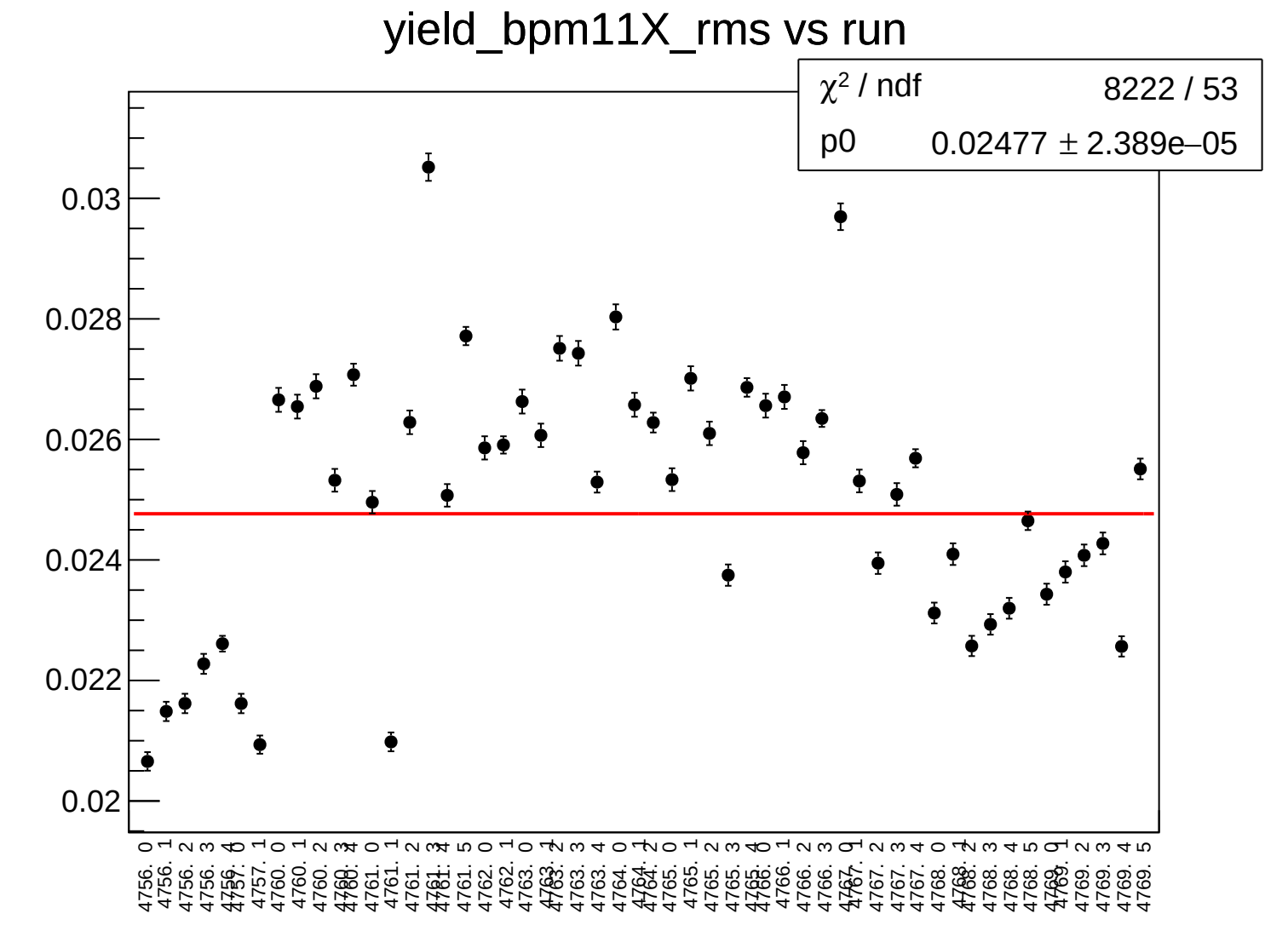

yield_bpm1Y_mean vs run
χ² / ndf 2.146e+06 / 53
p0 −0.0437 ± 0.0001447
pull
Entries 54
Mean −147.6
Std Dev 175.8

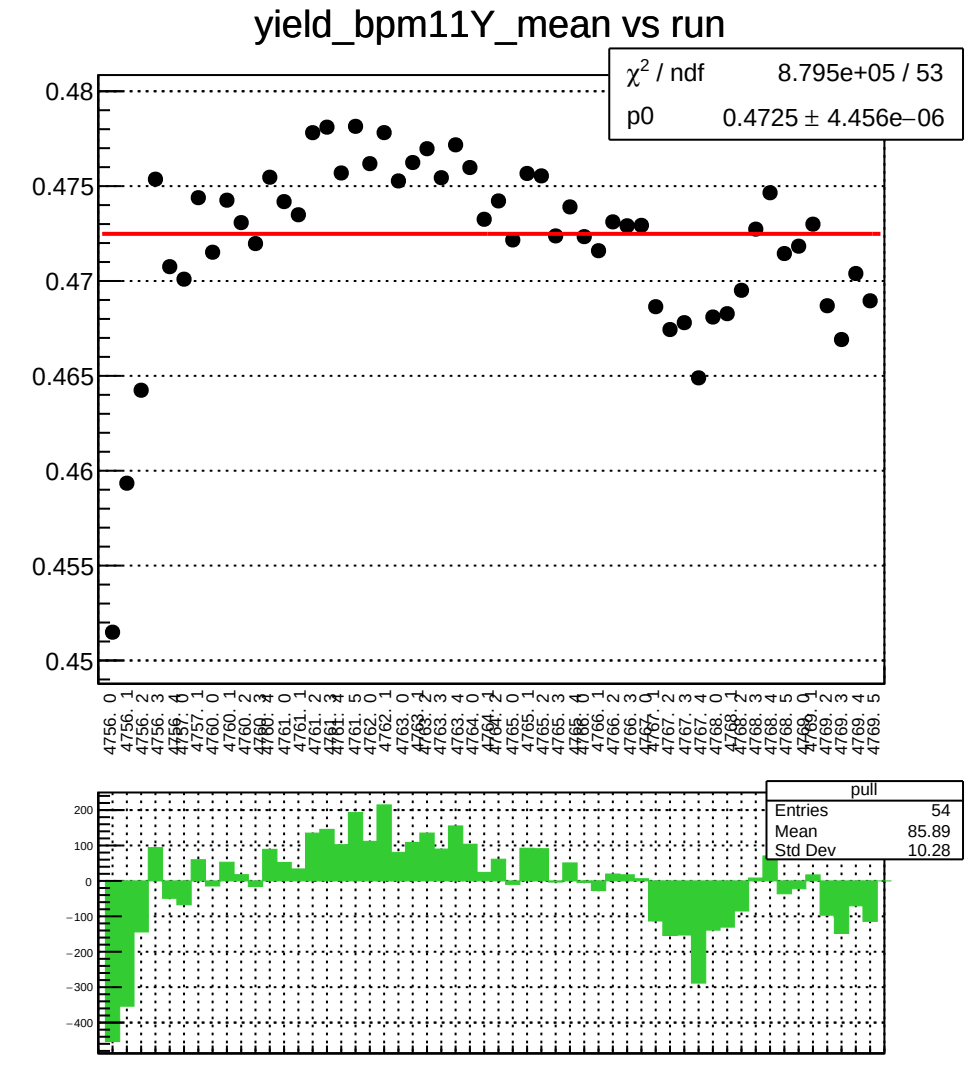

pull1D
Entries 54
Mean 0
Std Dev 0

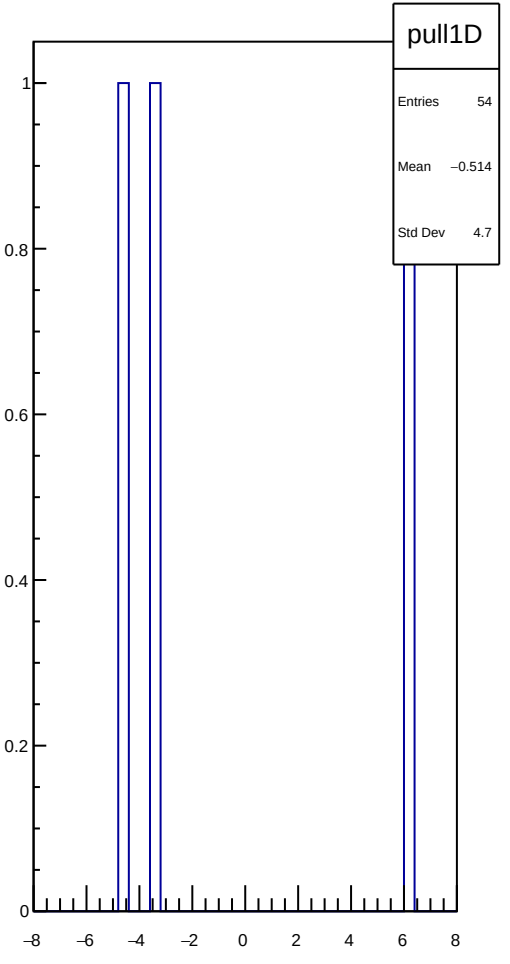

yield_bpm1Y_rms vs run
χ² / ndf 1.494e+05 / 53
p0 0.09886 ± 0.0001023
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

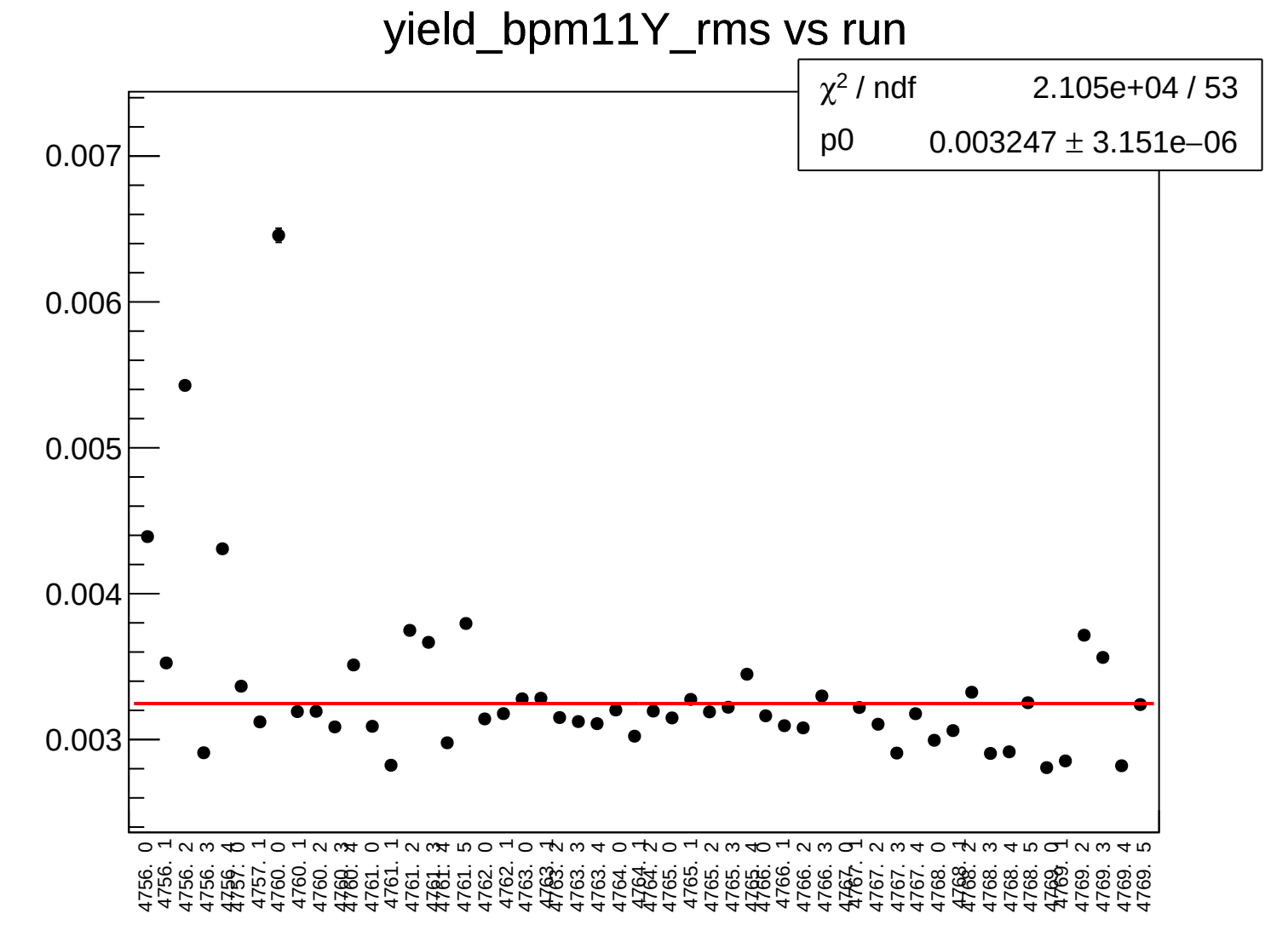

yield_bpm11X_mean vs run
χ² / ndf 1.703e+05 / 53
p0 0.8843 ± 3.379e−05
0.92
0.91
0.9
0.89
0.88
0.87
0.86
0.85
pull
Entries 54
Mean −10.54
Std Dev 68.79
100
50
0
−50
−100
−150

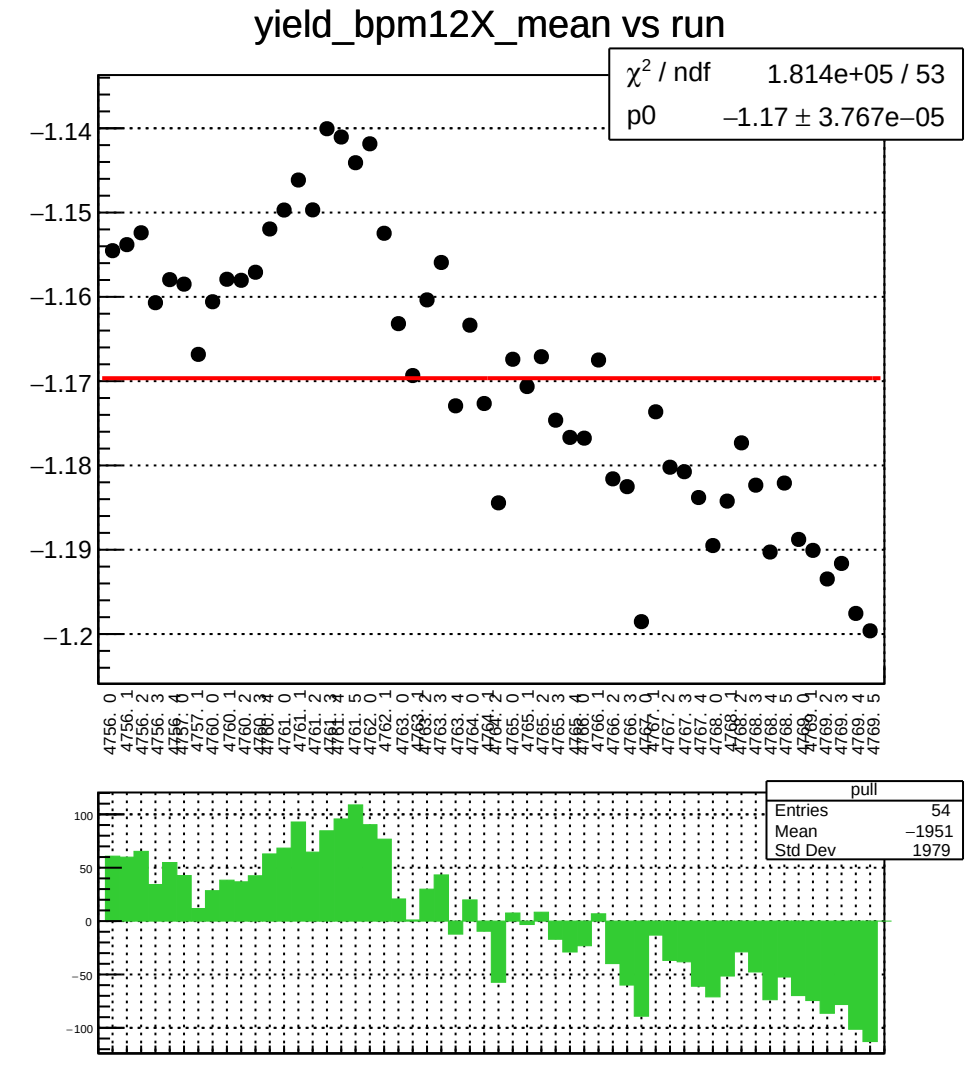

pull1D
Entries 54
Mean 2.332
Std Dev 3.427
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

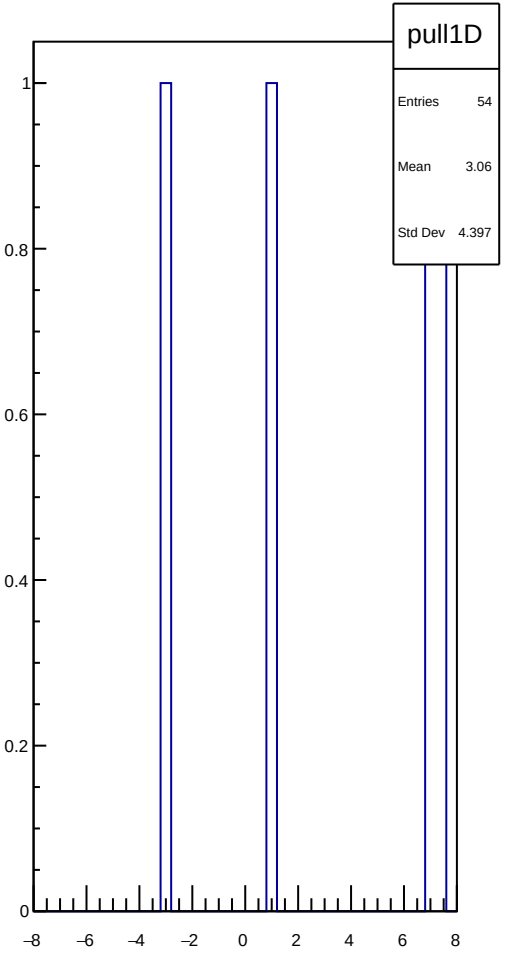

yield_bpm11X_rms vs run
χ² / ndf 8222 / 53
p0 0.02477 ± 2.389e–05
0.03
0.028
0.026
0.024
0.022
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

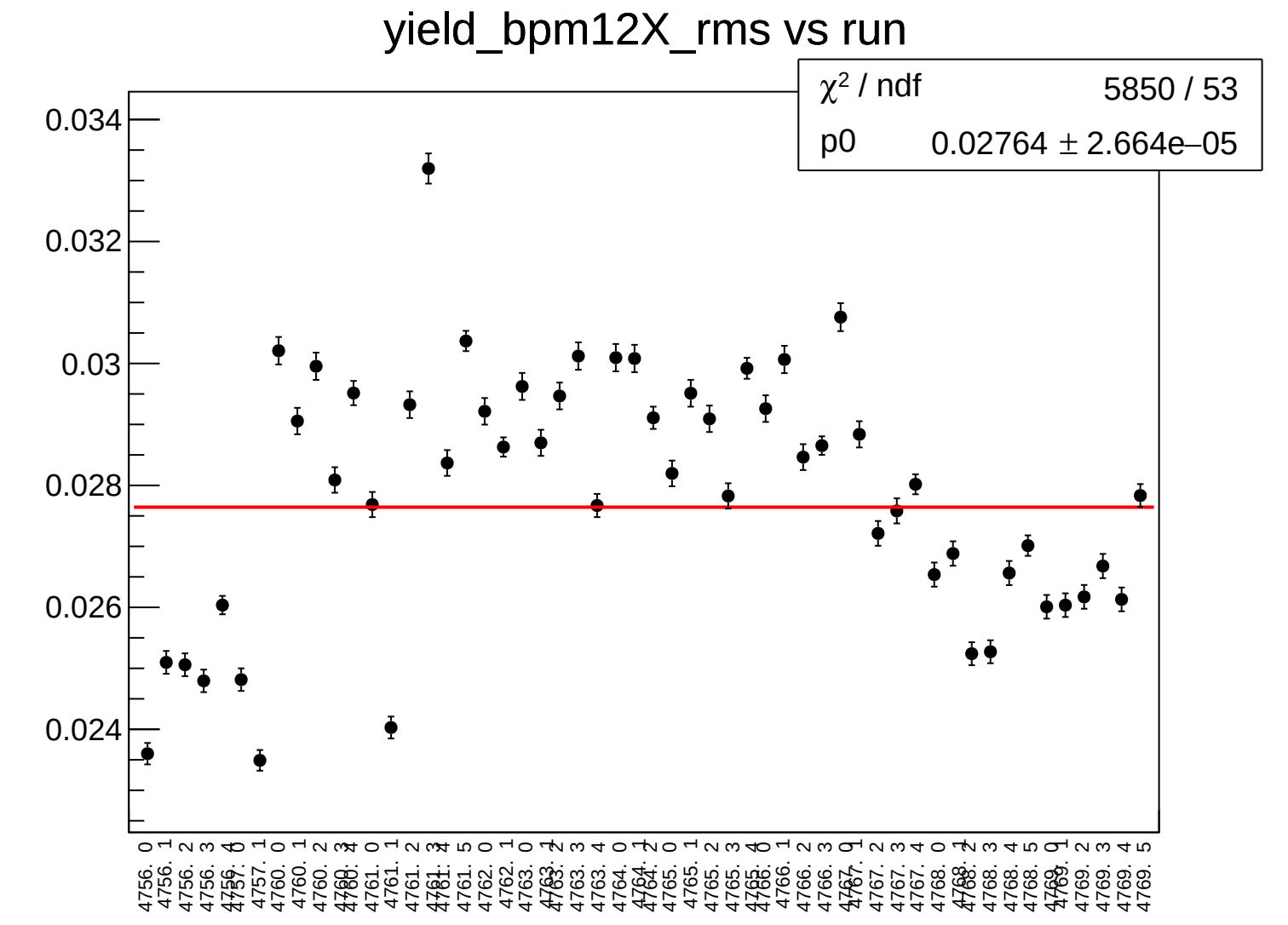

yield_bpm11Y_mean vs run
χ² / ndf 8.795e+05 / 53
p0 0.4725 ± 4.456e−06
0.48
0.475
0.47
0.465
0.46
0.455
0.45
pull
Entries 54
Mean 85.89
Std Dev 10.28
200
100
0
−100
−200
−300
−400

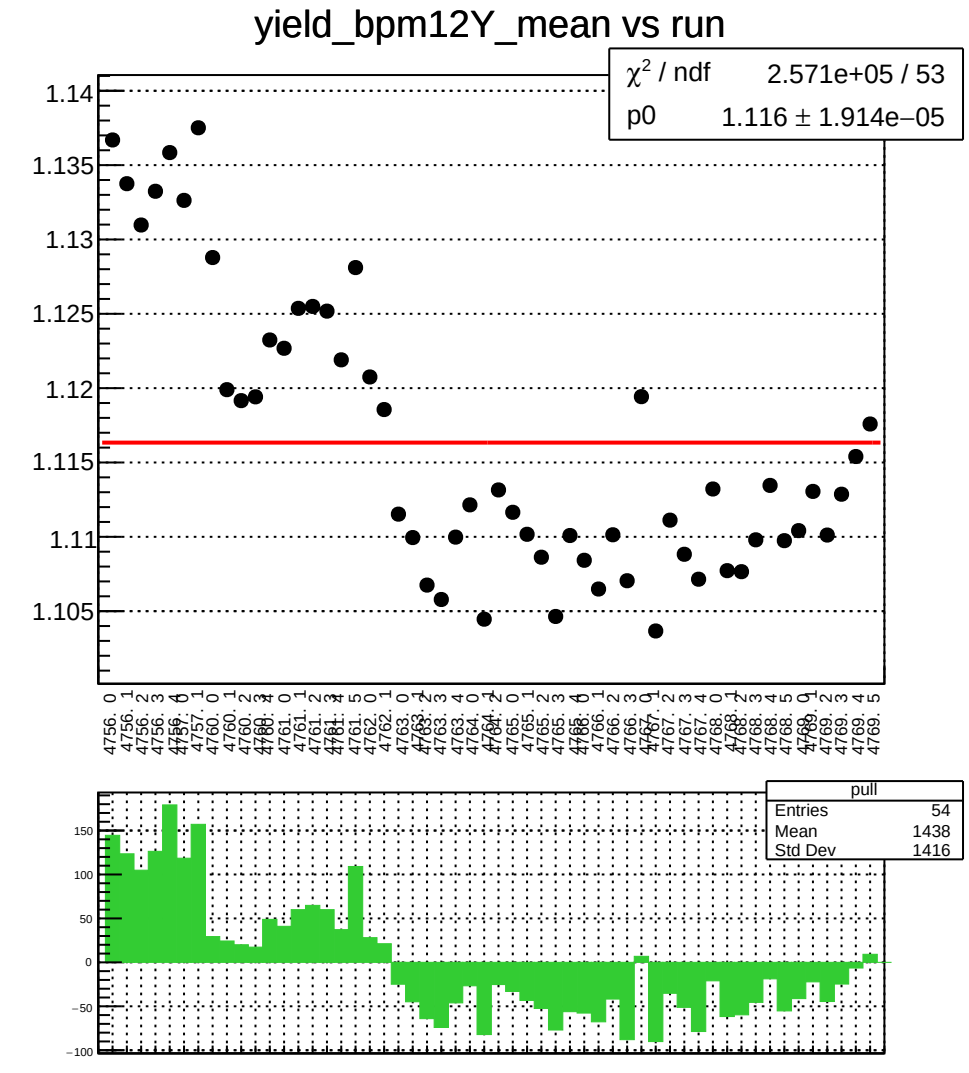

pull1D
Entries 54
Mean −0.514
Std Dev 4.7
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

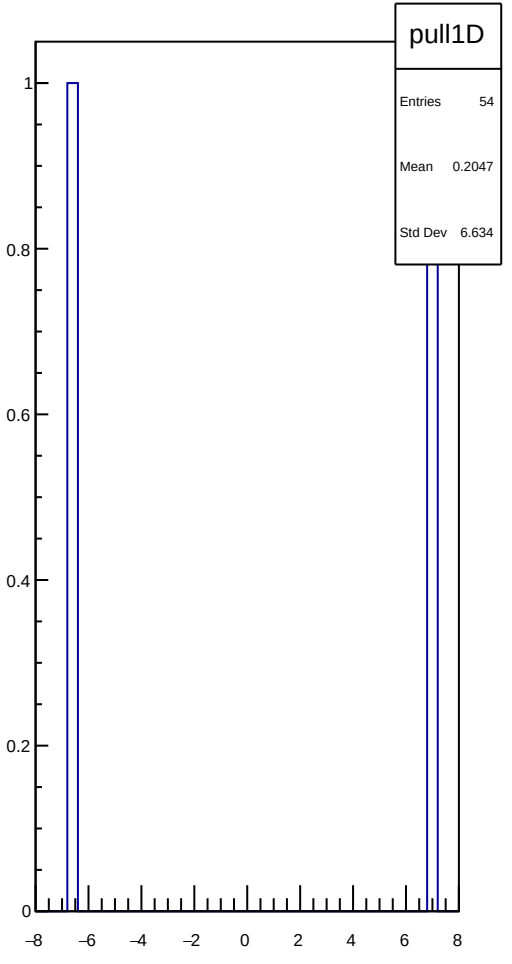

yield_bpm11Y_rms vs run
χ² / ndf 2.105e+04 / 53
p0 0.003247 ± 3.151e−06
0.007
0.006
0.005
0.004
0.003
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

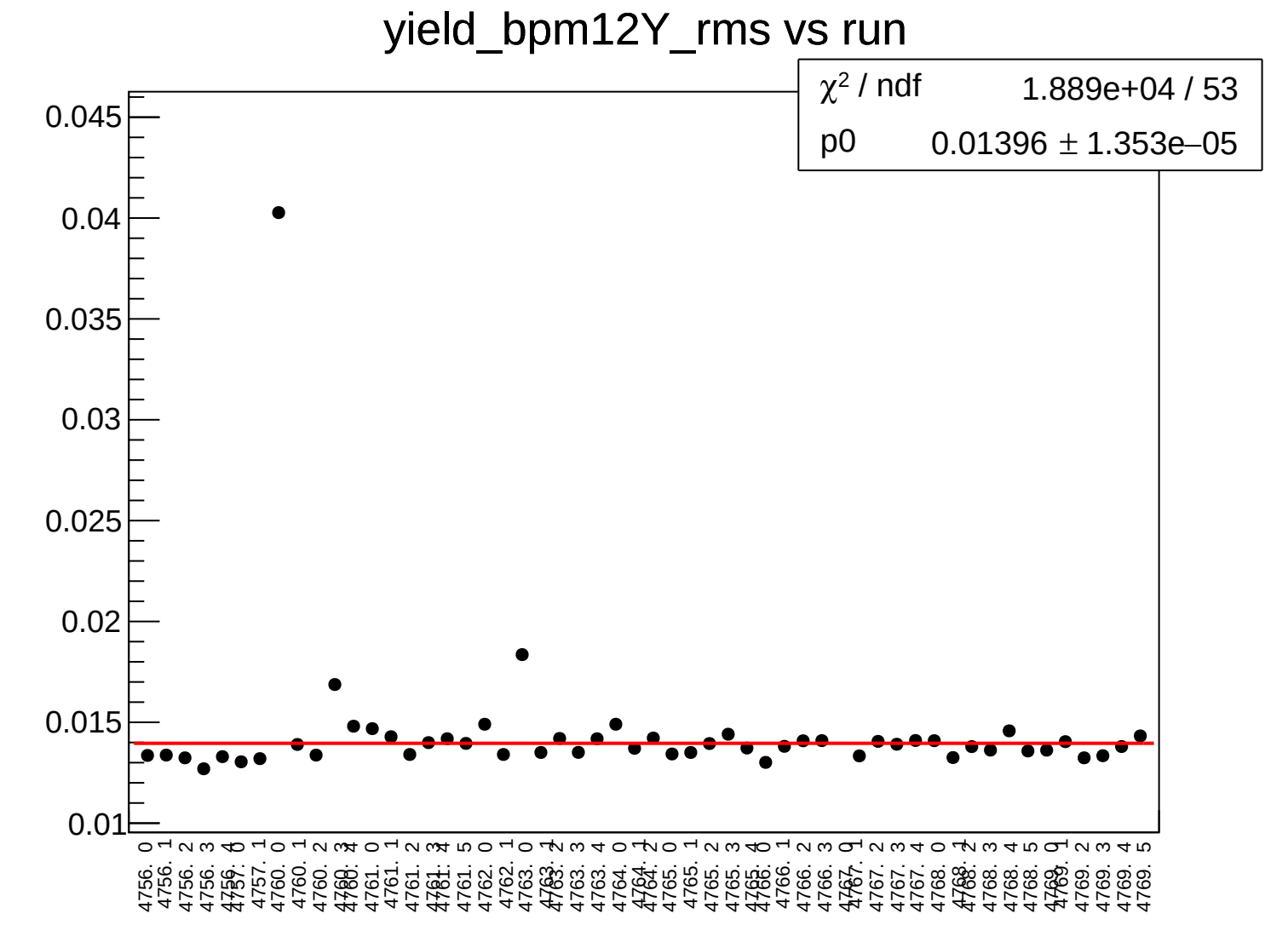

yield_bpm12X_mean vs run
χ² / ndf 1.814e+05 / 53
p0 −1.17 ± 3.767e−05
−1.14
−1.15
−1.16
−1.17
−1.18
−1.19
−1.2
pull
Entries 54
Mean −1951
Std Dev 1979
100
50
0
−50
−100

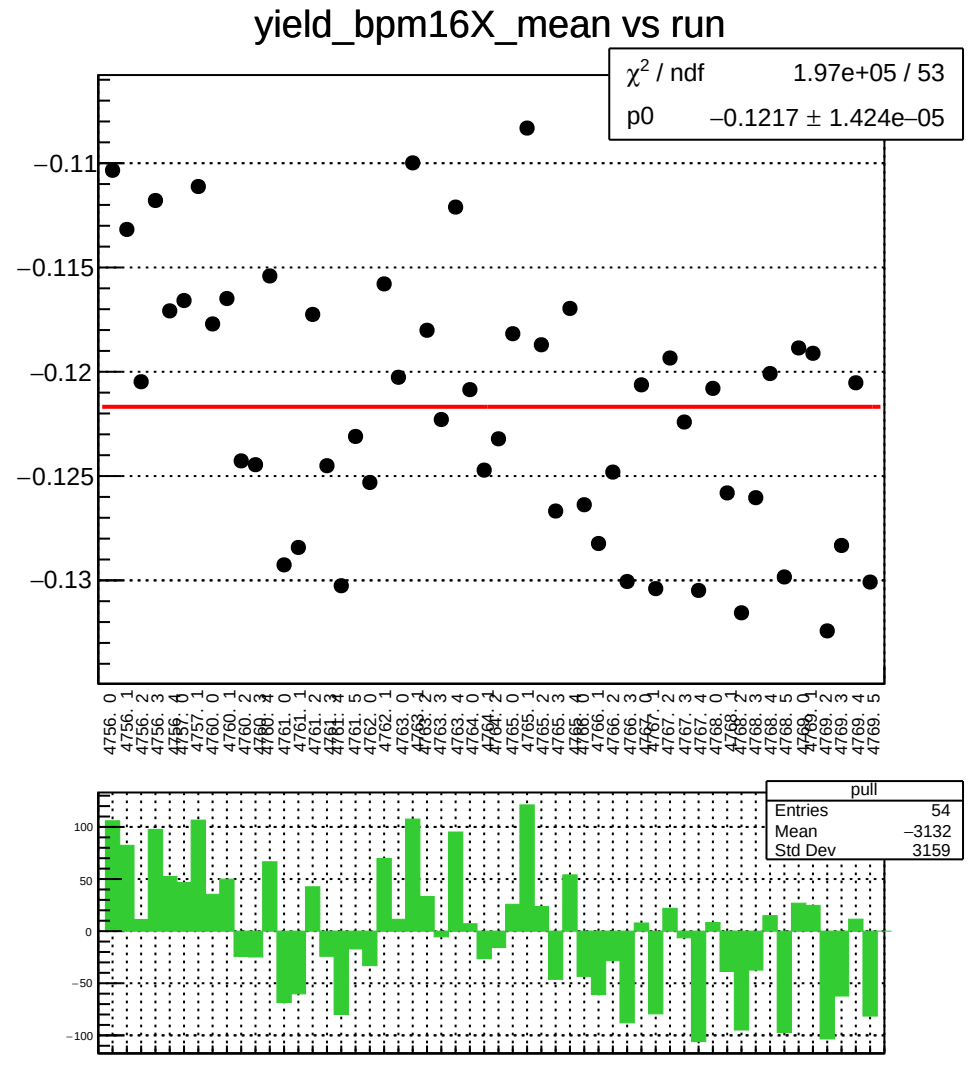

pull1D
Entries 54
Mean 3.06
Std Dev 4.397
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

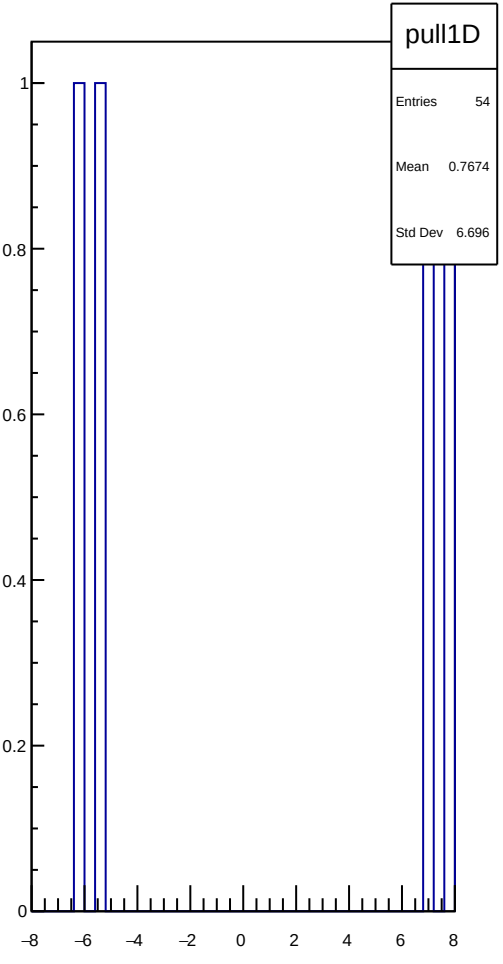

yield_bpm12X_rms vs run
χ² / ndf 5850 / 53
p0 0.02764 ± 2.664e–05
0.034
0.032
0.03
0.028
0.026
0.024
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

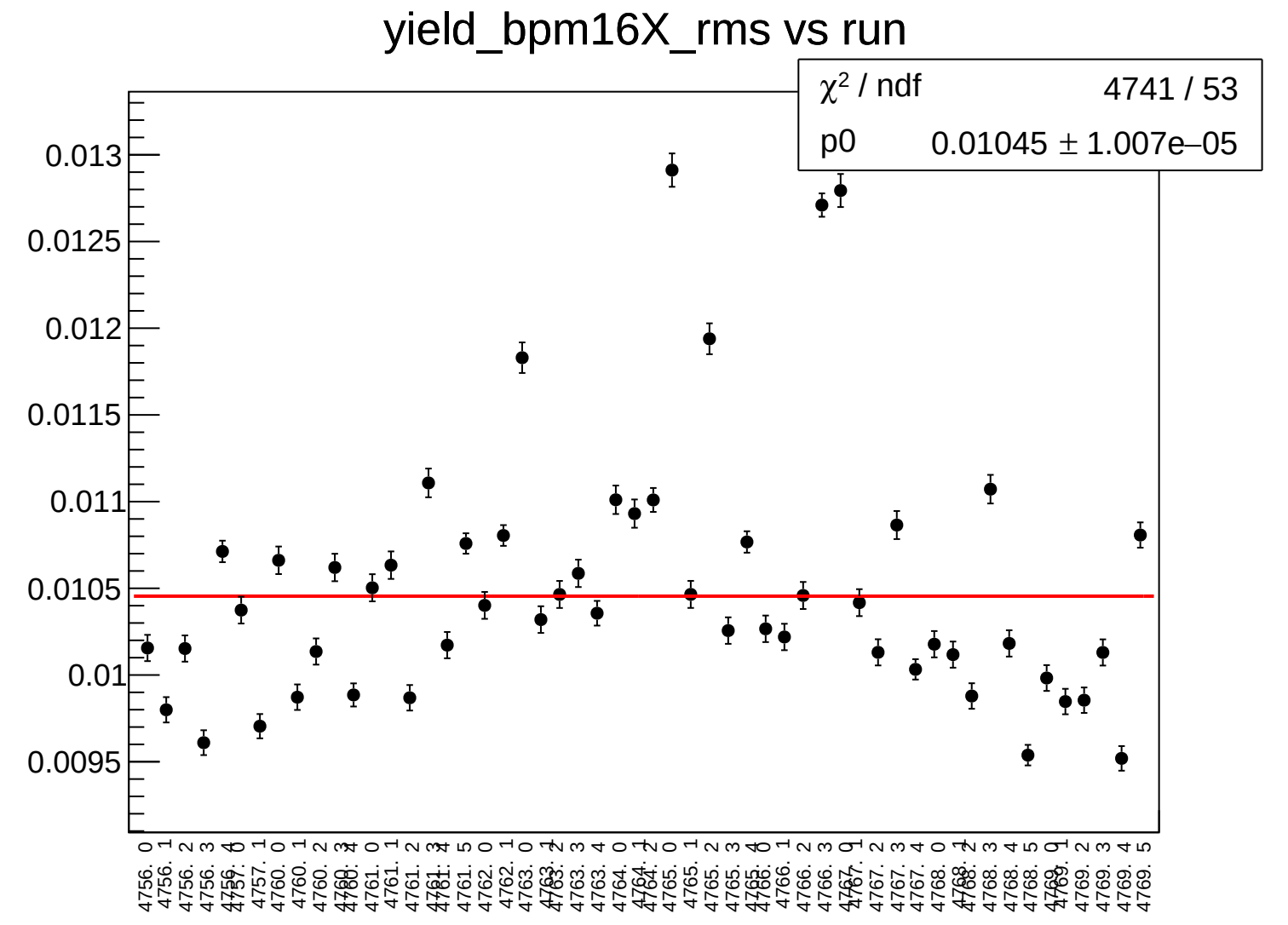

yield_bpm12Y_mean vs run
χ² / ndf 2.571e+05 / 53
p0 1.116 ± 1.914e−05
1.14
1.135
1.13
1.125
1.12
1.115
1.11
1.105
pull
Entries 54
Mean 1438
Std Dev 1416
150
100
50
0
−50
−100

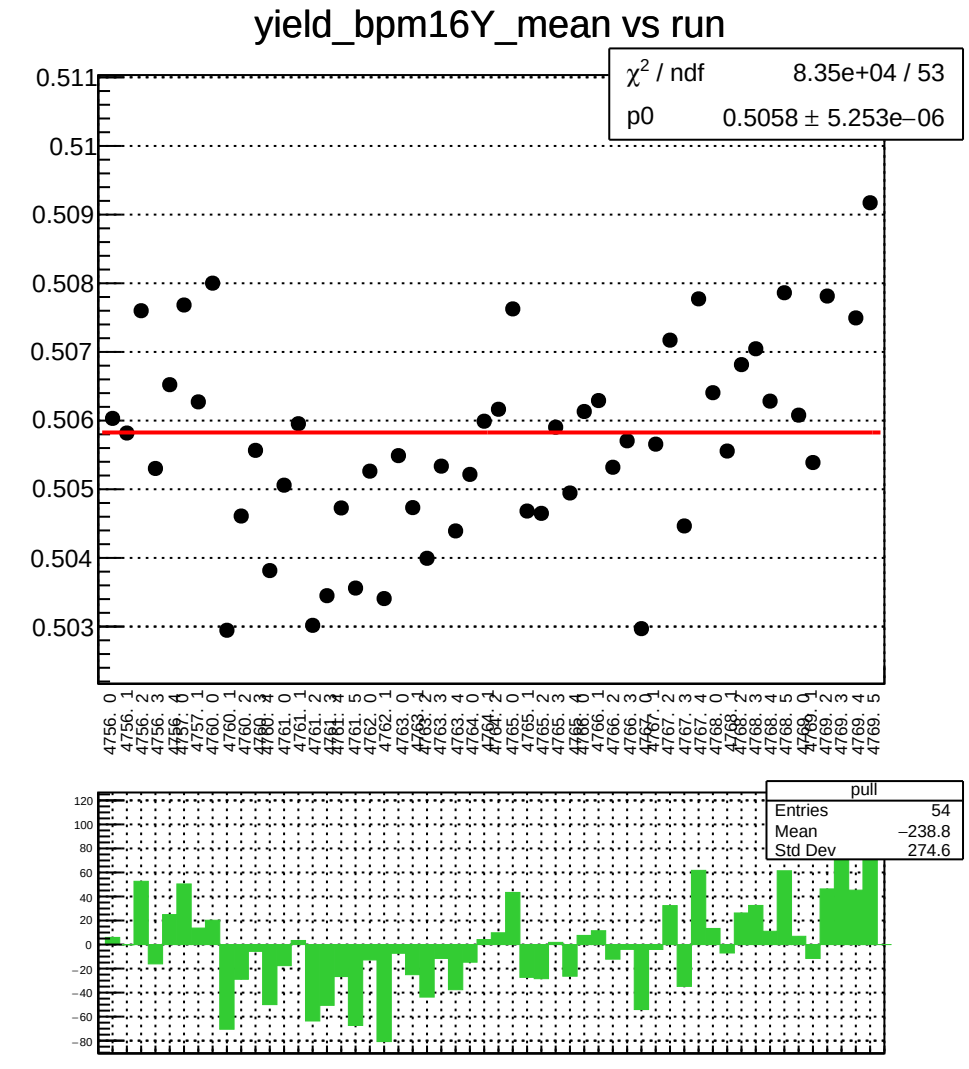

pull1D
Entries 54
Mean 0.2047
Std Dev 6.634
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

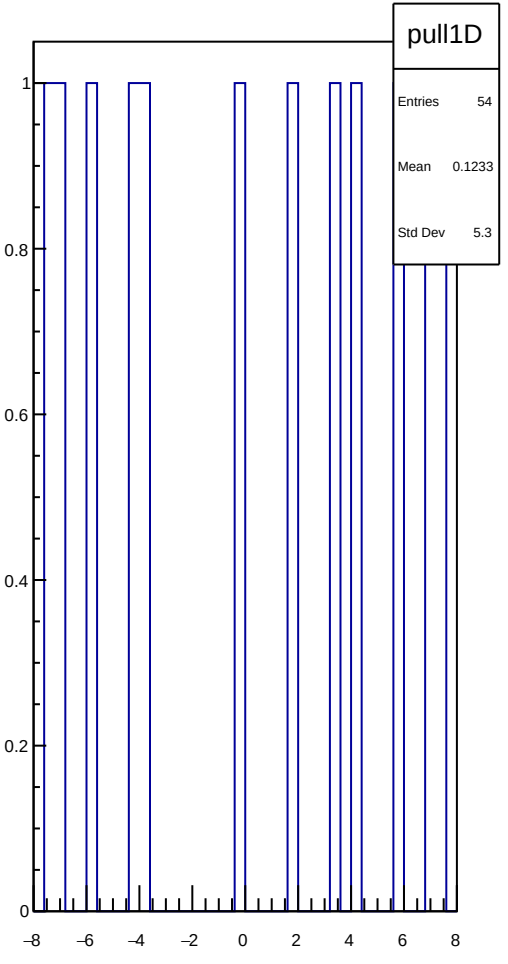

yield_bpm12Y_rms vs run
χ² / ndf 1.889e+04 / 53
p0 0.01396 ± 1.353e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

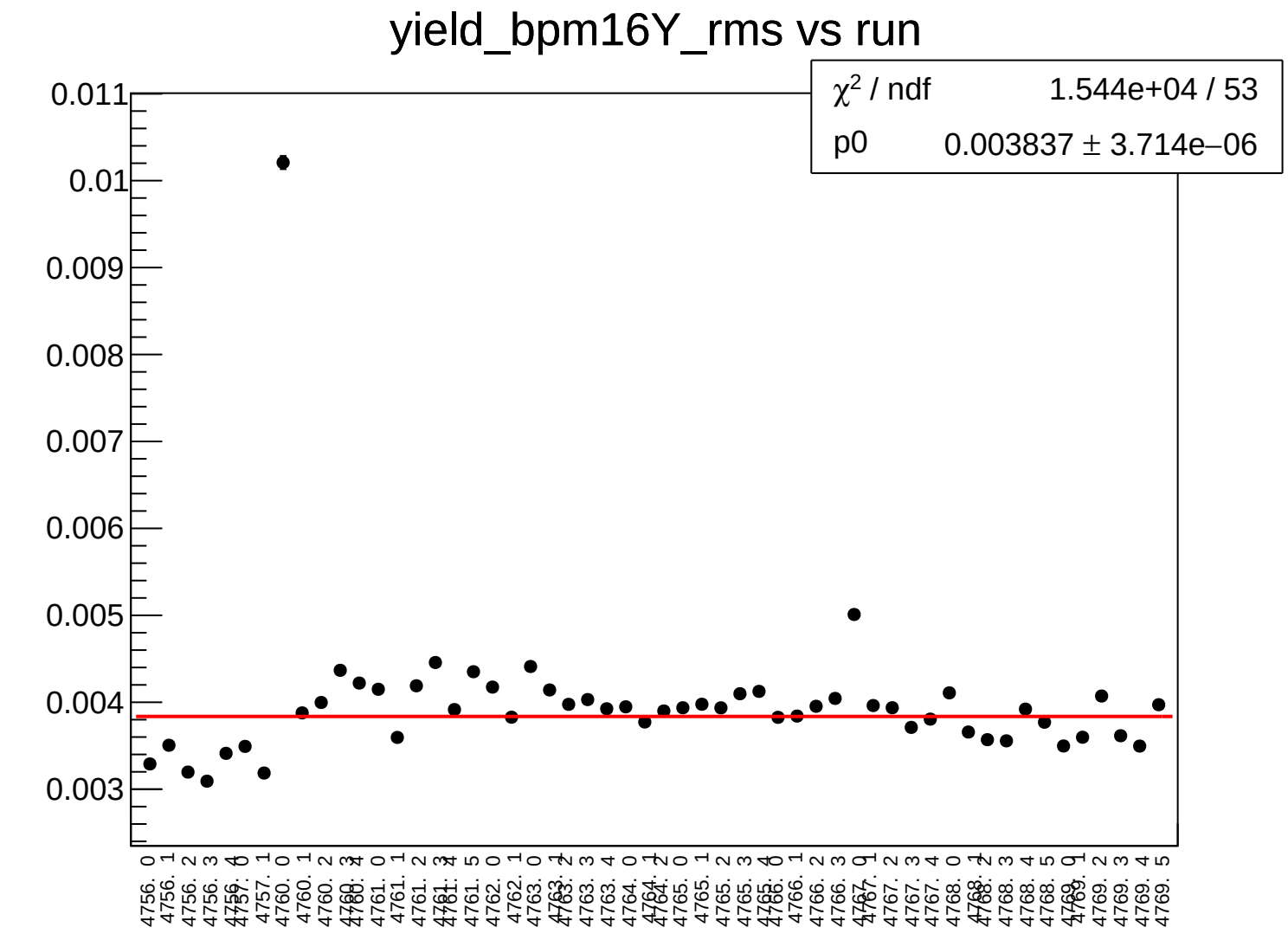

yield_bpm16X_mean vs run
χ² / ndf 1.97e+05 / 53
p0 −0.1217 ± 1.424e−05
−0.11
−0.115
−0.12
−0.125
−0.13
pull
Entries 54
Mean −3132
Std Dev 3159
100
50
0
−50
−100

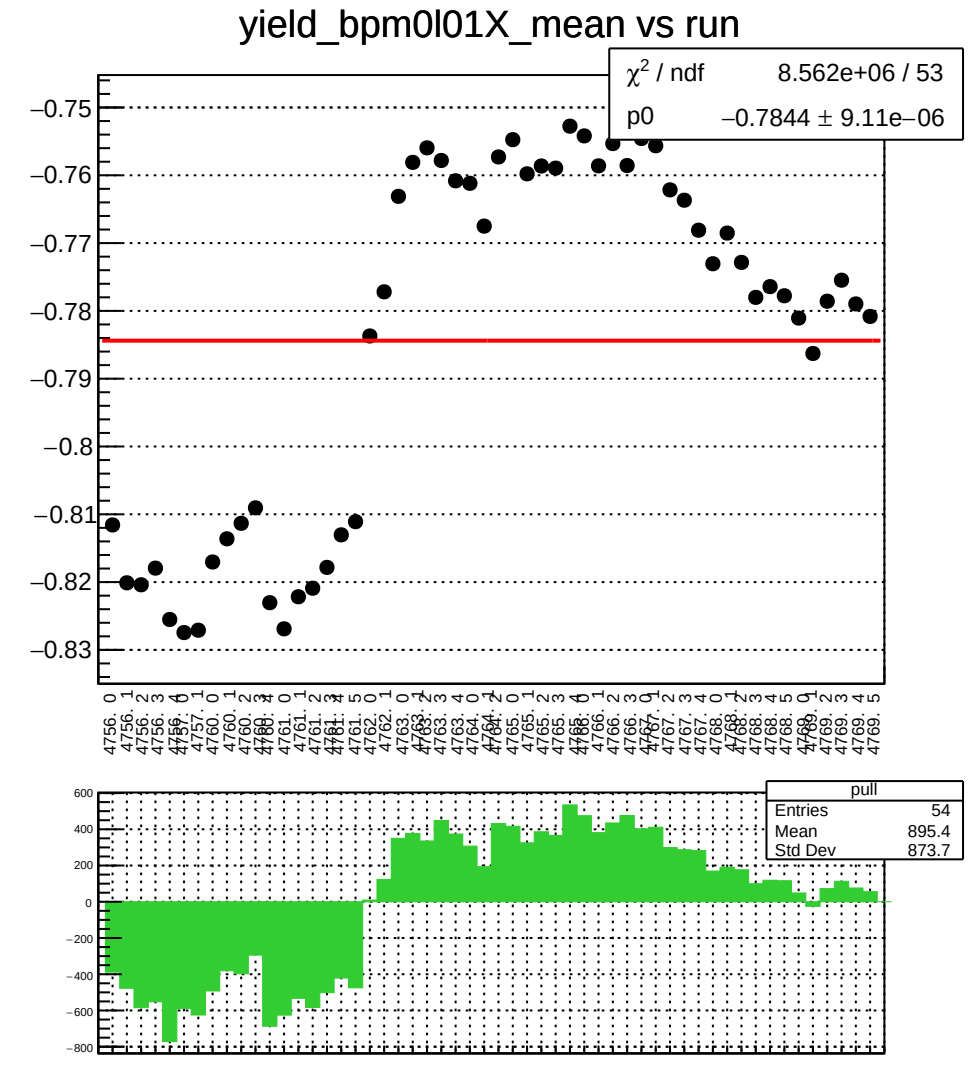

pull1D
Entries 54
Mean 0.7674
Std Dev 6.696
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

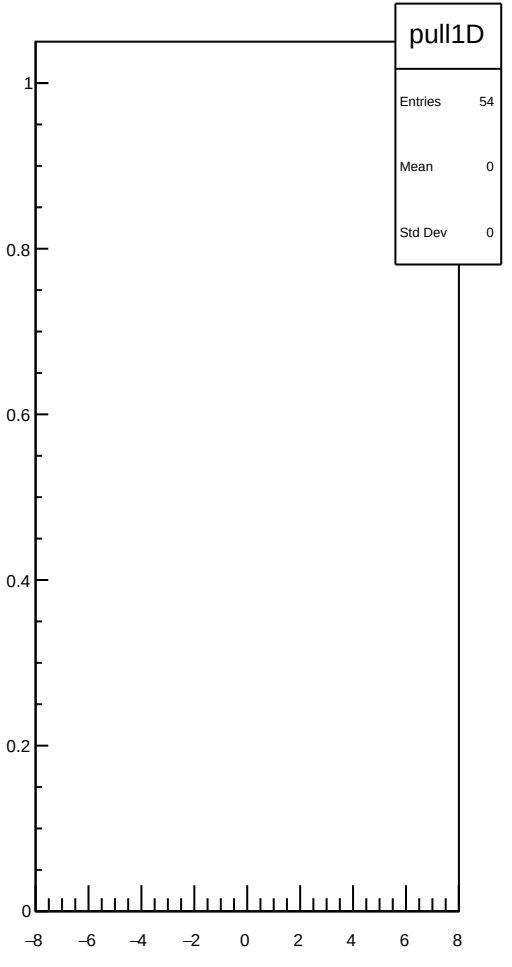

yield_bpm16X_rms vs run
χ² / ndf 4741 / 53
p0 0.01045 ± 1.007e–05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

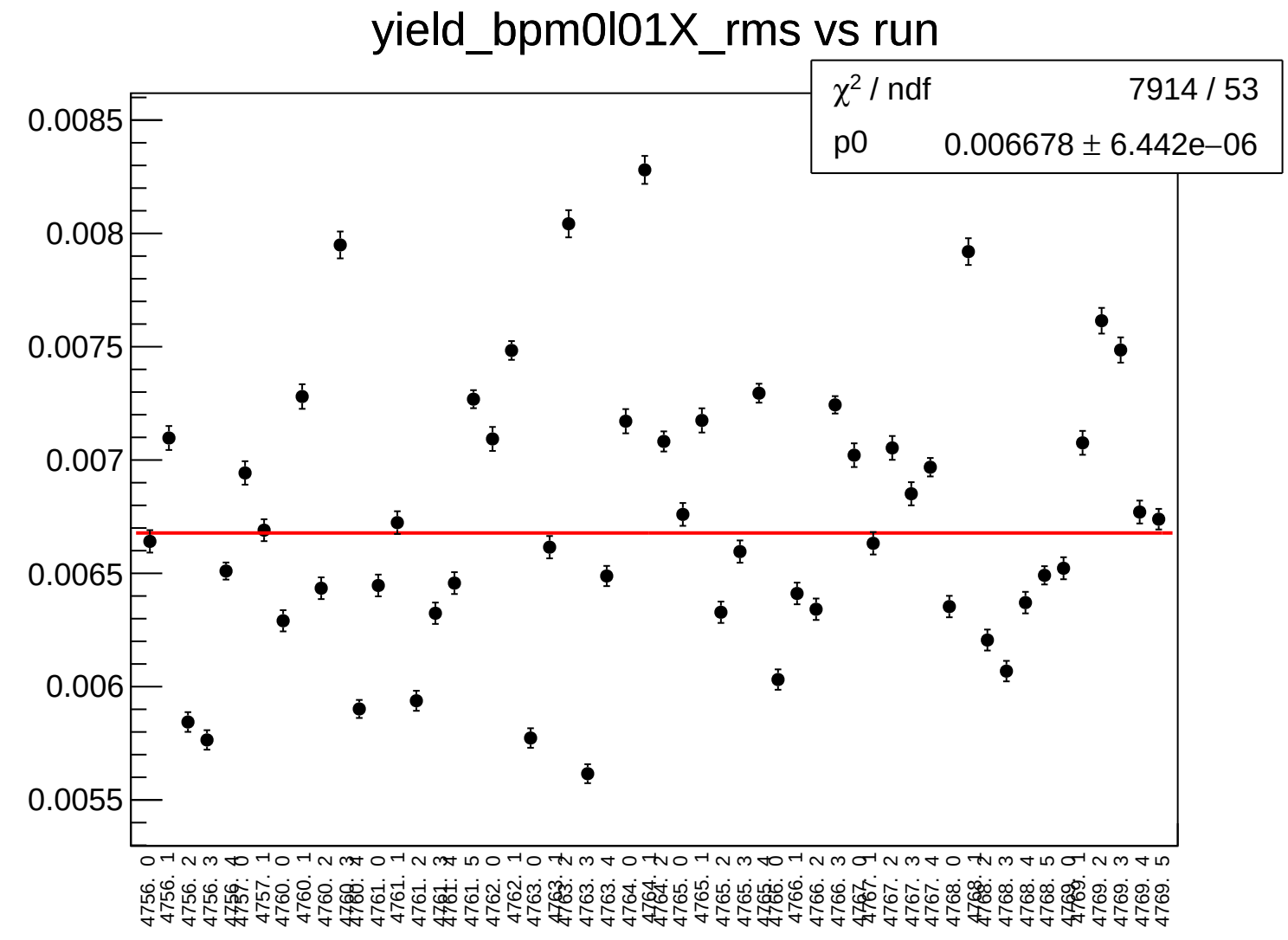

yield_bpm16Y_mean vs run
χ² / ndf 8.35e+04 / 53
p0 0.5058 ± 5.253e−06
0.511
0.51
0.509
0.508
0.507
0.506
0.505
0.504
0.503
pull
Entries 54
Mean −238.8
Std Dev 274.6
120
100
80
60
40
20
0
−20
−40
−60
−80

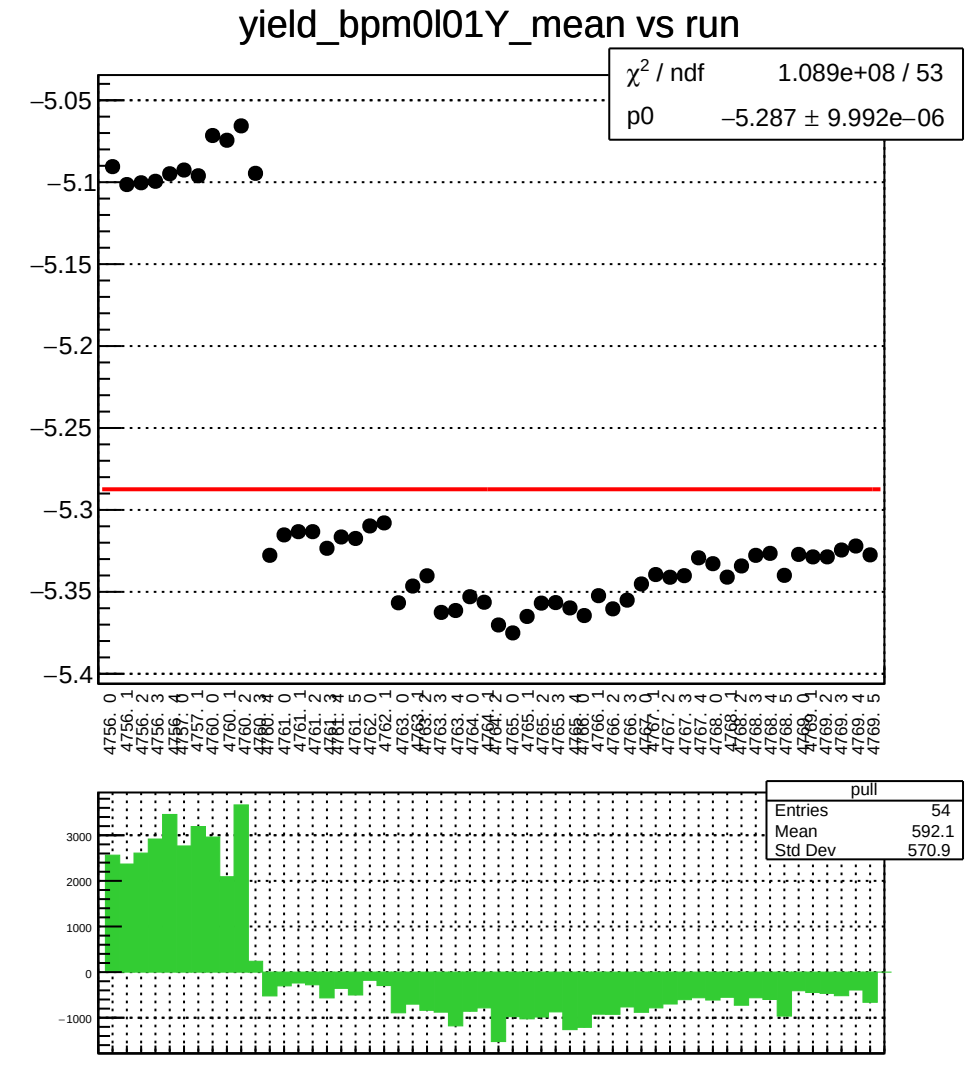

pull1D
Entries 54
Mean 0.1233
Std Dev 5.3
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

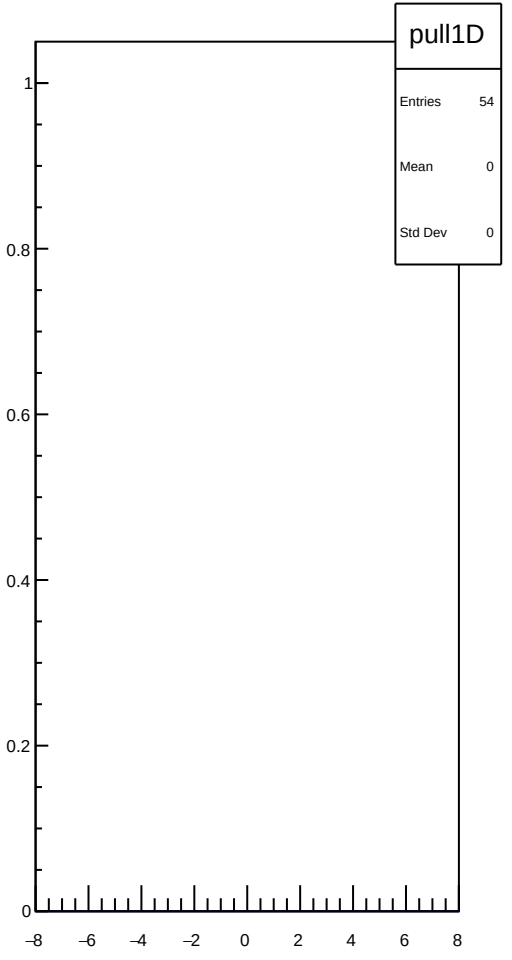

yield_bpm16Y_rms vs run
χ² / ndf 1.544e+04 / 53
p0 0.003837 ± 3.714e−06
0.011
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003

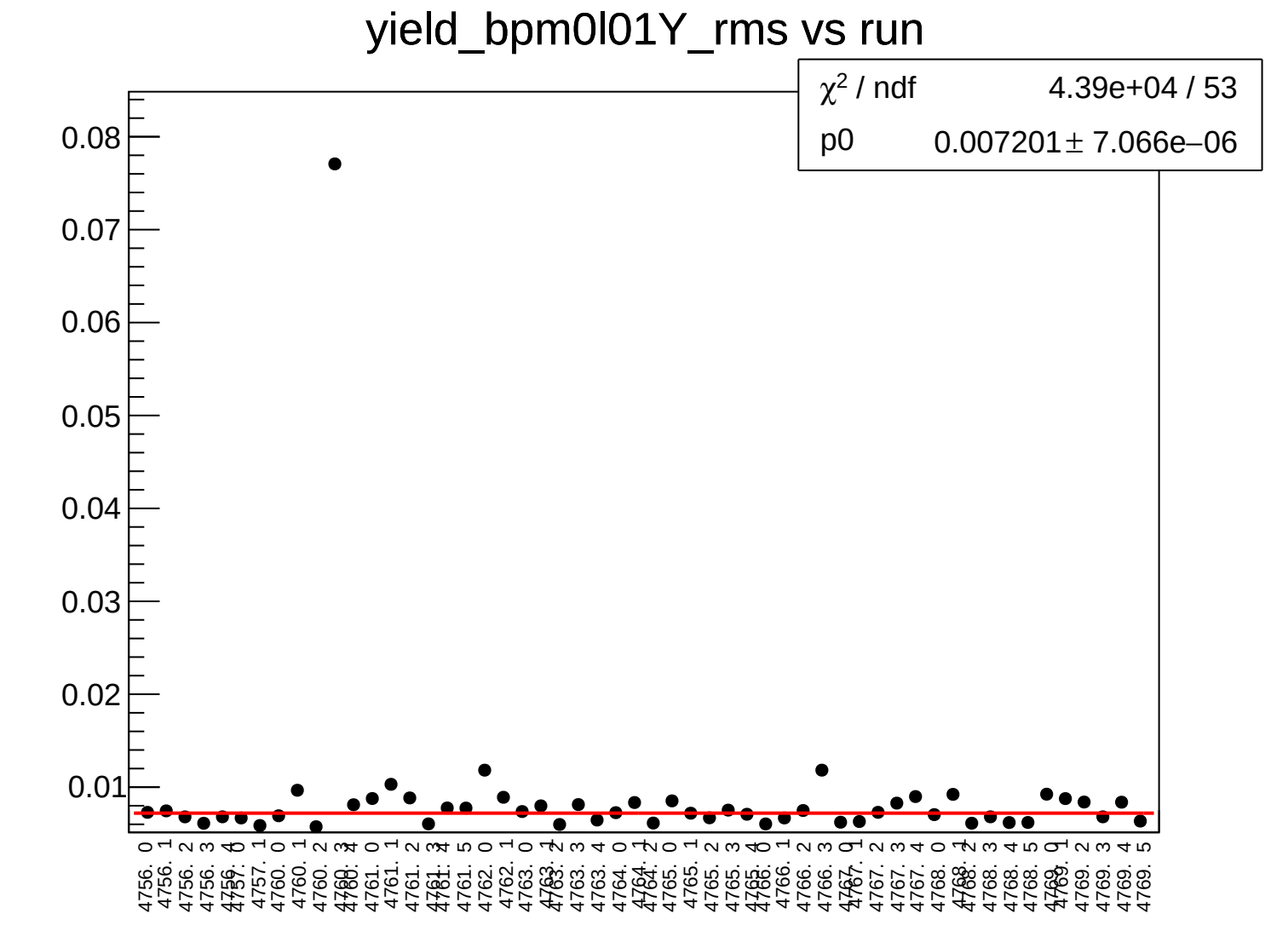

yield_bpm0l01X_mean vs run
χ² / ndf 8.562e+06 / 53
p0 −0.7844 ± 9.11e−06
−0.75
−0.76
−0.77
−0.78
−0.79
−0.8
−0.81
−0.82
−0.83
pull
Entries 54
Mean 895.4
Std Dev 873.7
600
400
200
0
−200
−400
−600
−800

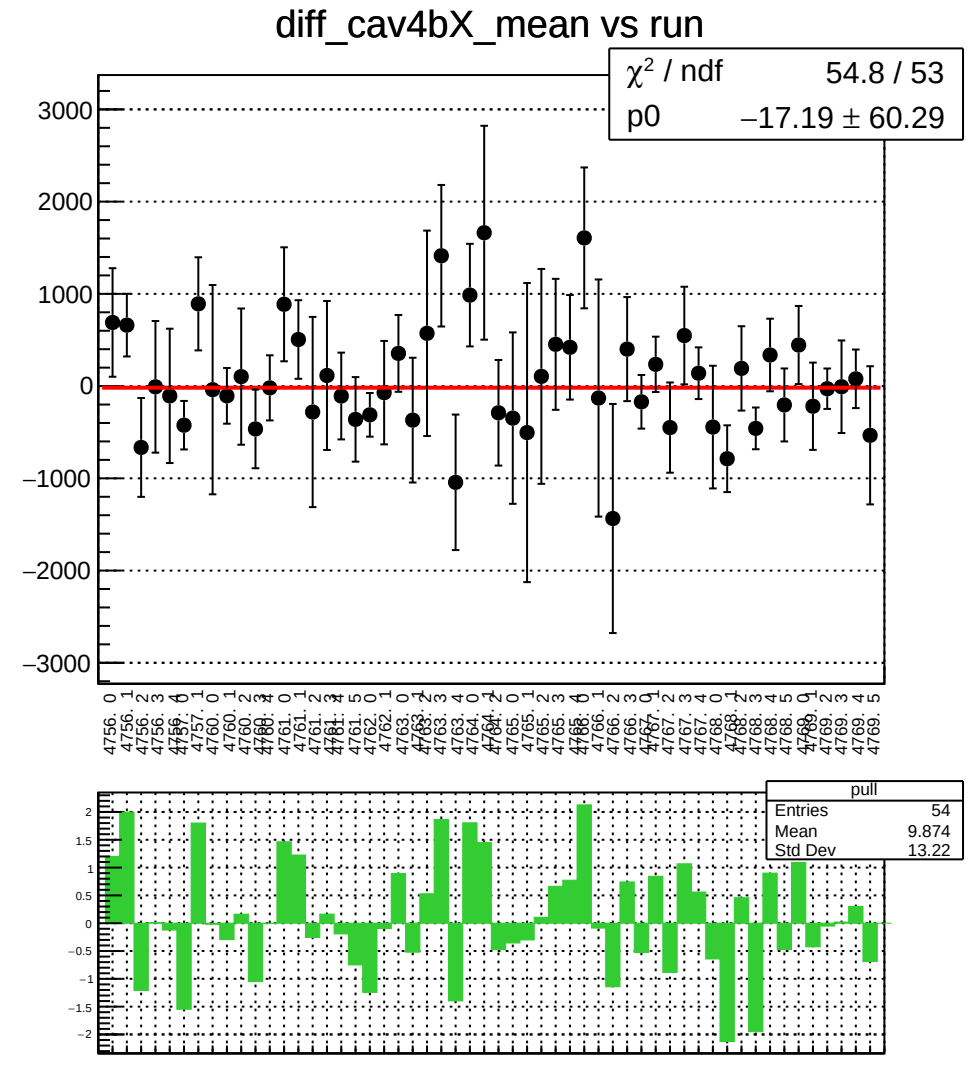

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

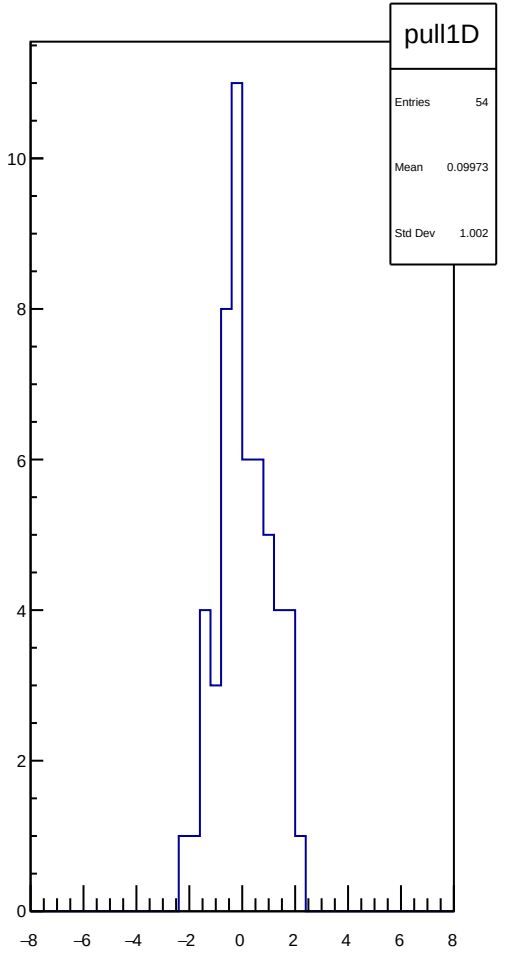

yield_bpm0l01X_rms vs run
χ² / ndf 7914 / 53
p0 0.006678 ± 6.442e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

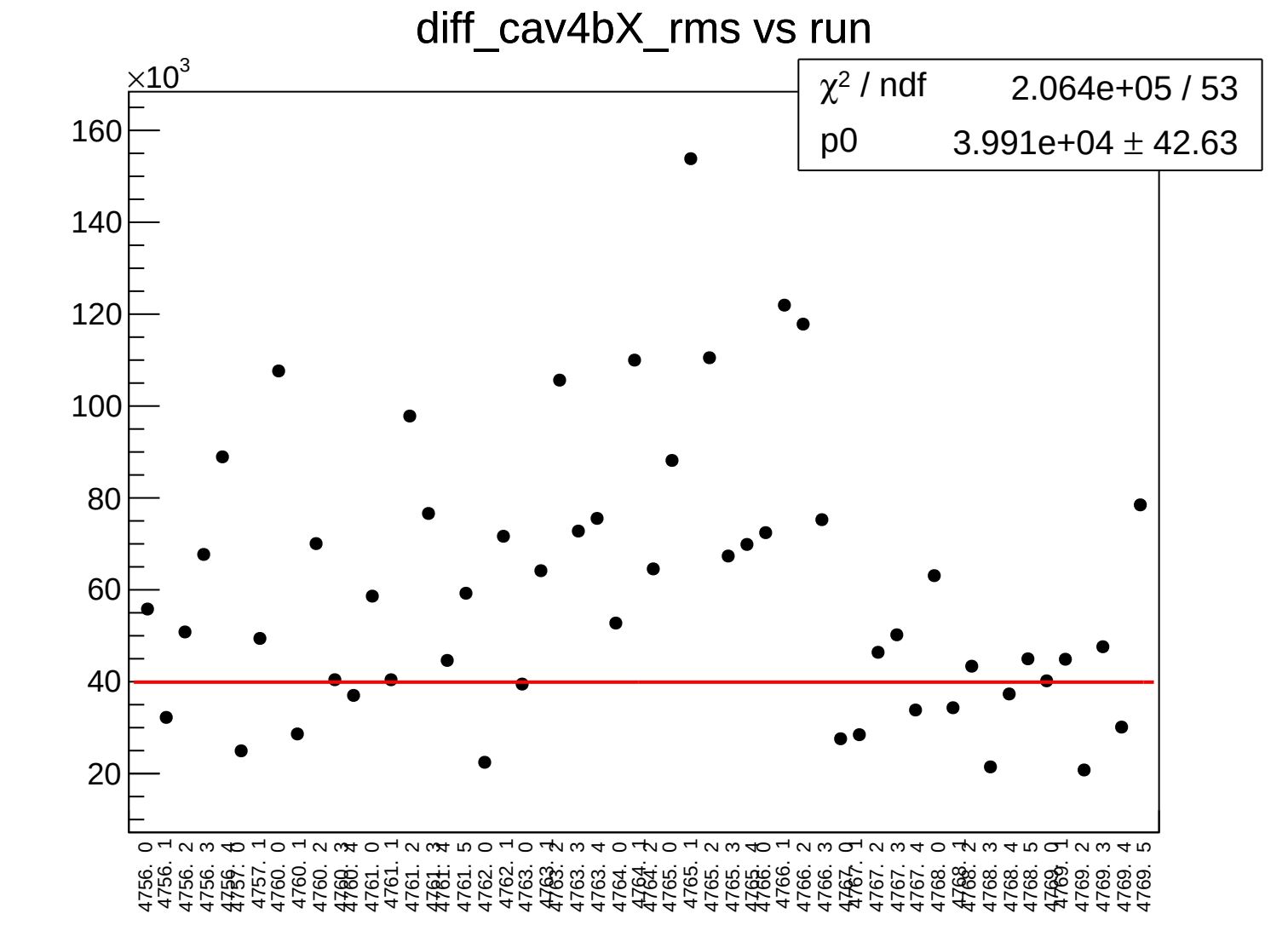

yield_bpm0l01Y_mean vs run
χ² / ndf 1.089e+08 / 53
p0 −5.287 ± 9.992e−06
−5.05
−5.1
−5.15
−5.2
−5.25
−5.3
−5.35
−5.4
pull
Entries 54
Mean 592.1
Std Dev 570.9
3000
2000
1000
0
−1000

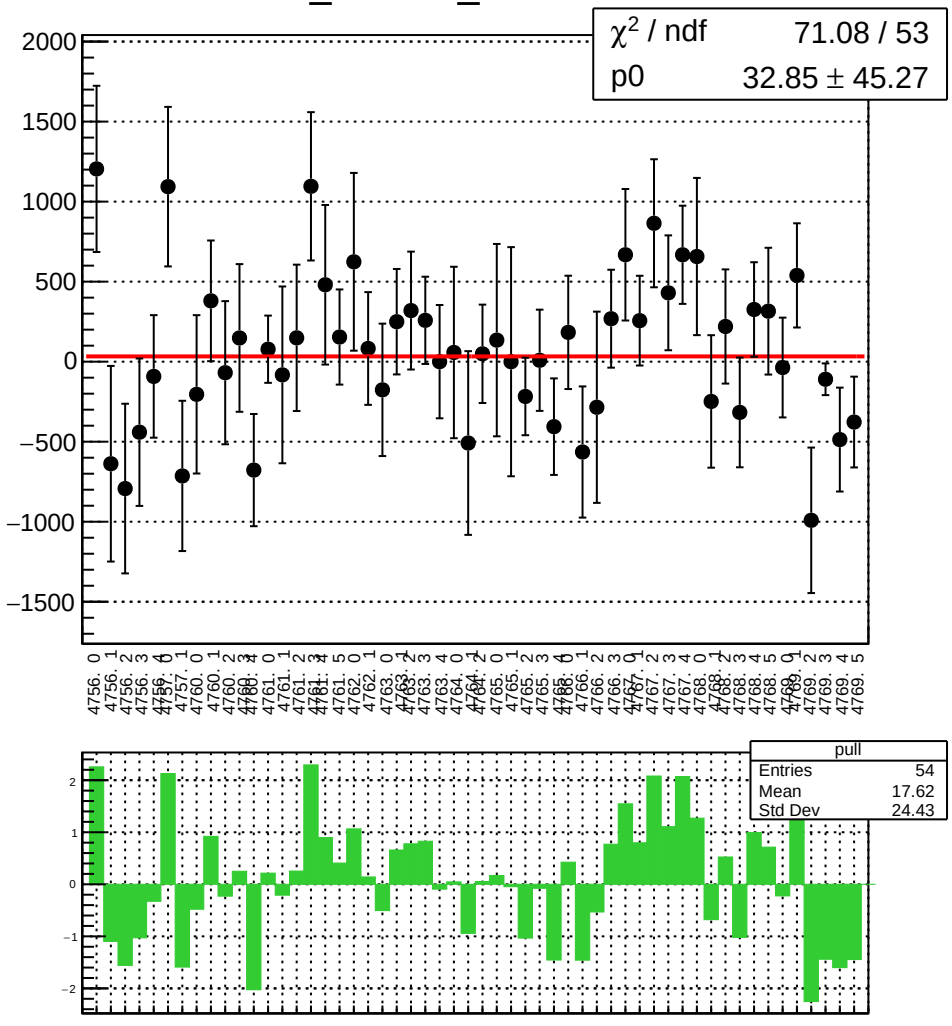

pull1D
Entries 54
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

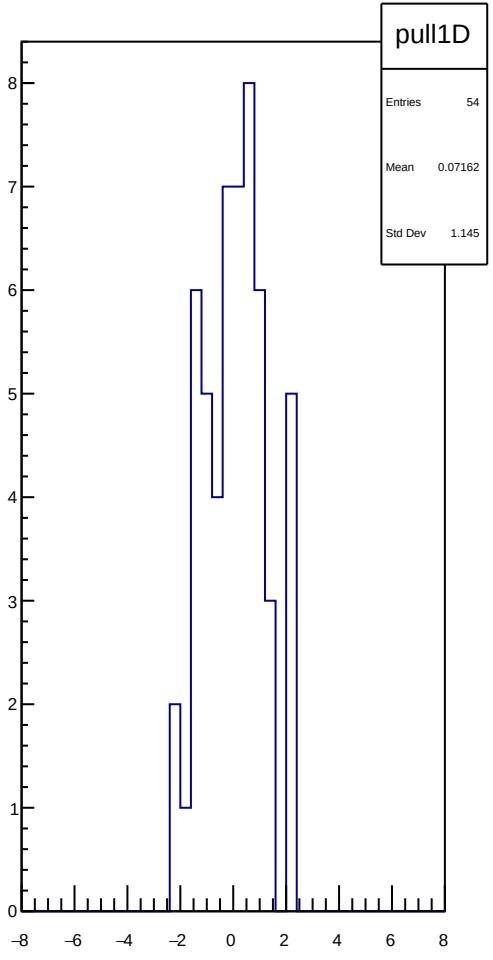

yield_bpm0l01Y_rms vs run
χ² / ndf 4.39e+04 / 53
p0 0.007201 ± 7.066e−06
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

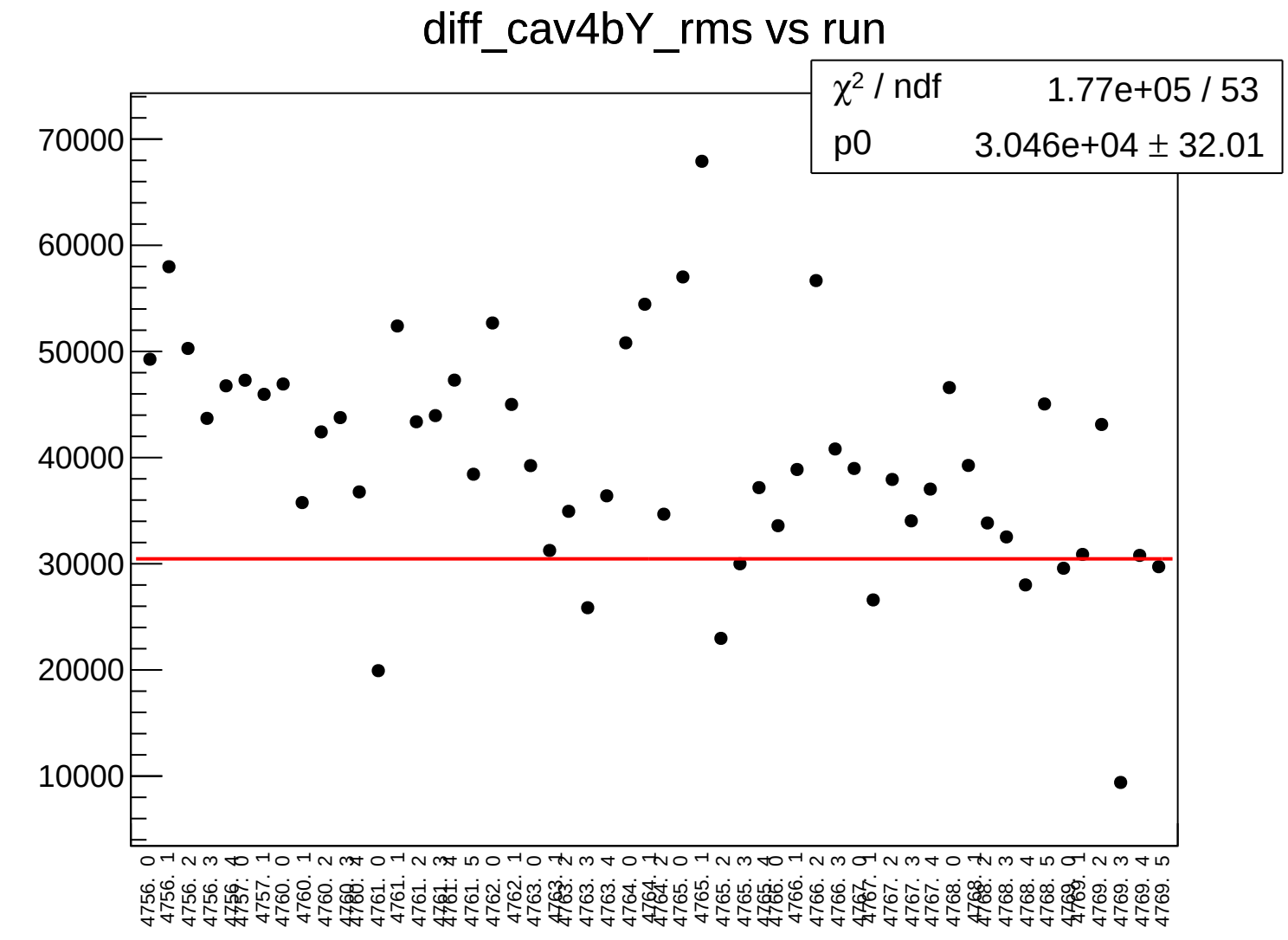

diff_cav4bX_mean vs run
χ² / ndf 54.8 / 53
p0 −17.19 ± 60.29
pull
Entries 54
Mean 9.874
Std Dev 13.22

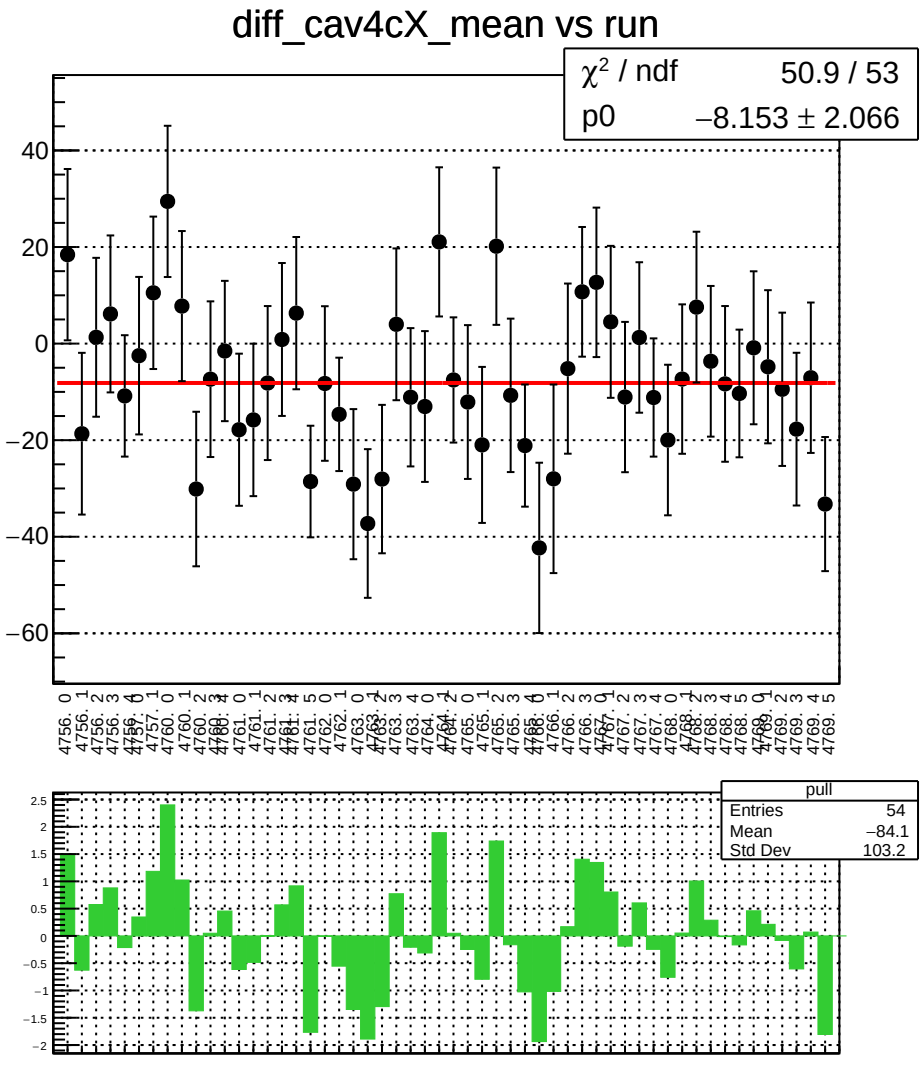

pull1D
Entries 54
Mean 0.09973
Std Dev 1.002

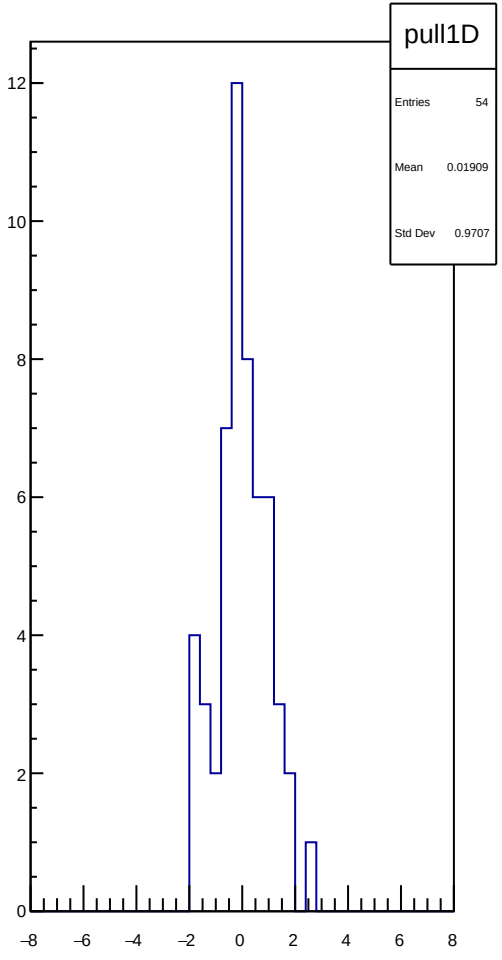

diff_cav4bX_rms vs run
×10^3
χ^2 / ndf 2.064e+05 / 53
p0 3.991e+04 ± 42.63
160
140
120
100
80
60
40
20
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

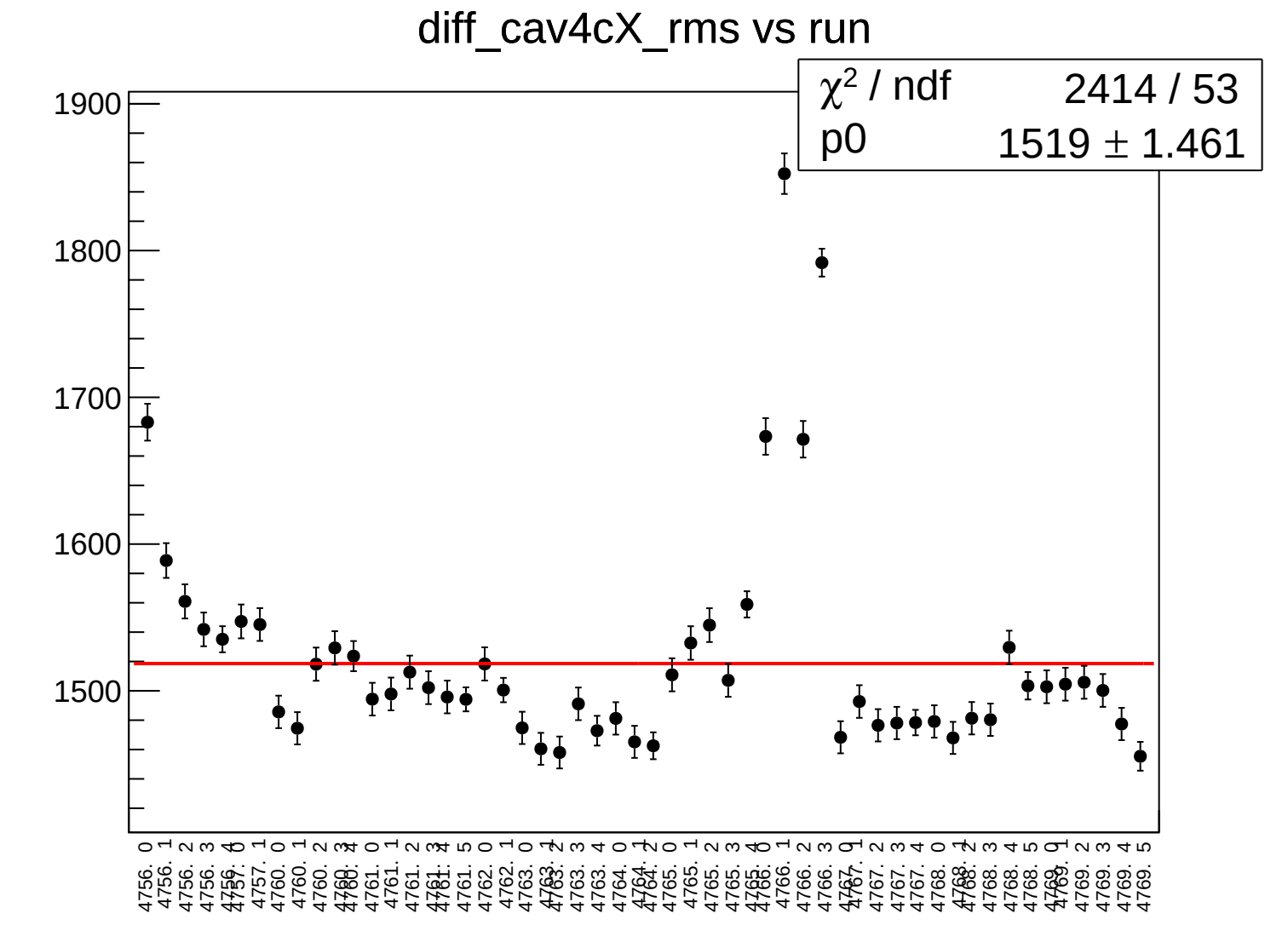

diff_cav4bY_mean vs run
χ² / ndf 71.08 / 53
p0 32.85 ± 45.27
pull
Entries 54
Mean 17.62
Std Dev 24.43

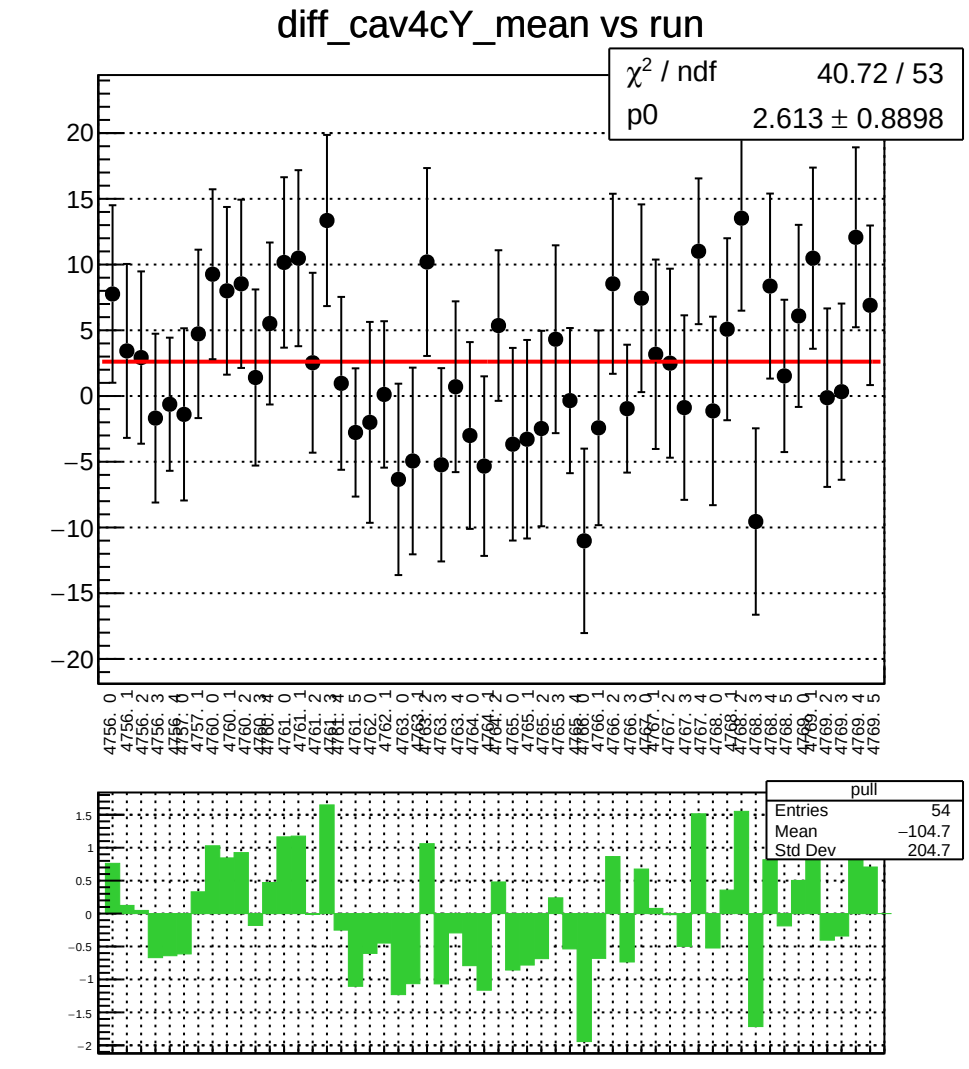

pull1D
Entries 54
Mean 0.07162
Std Dev 1.145

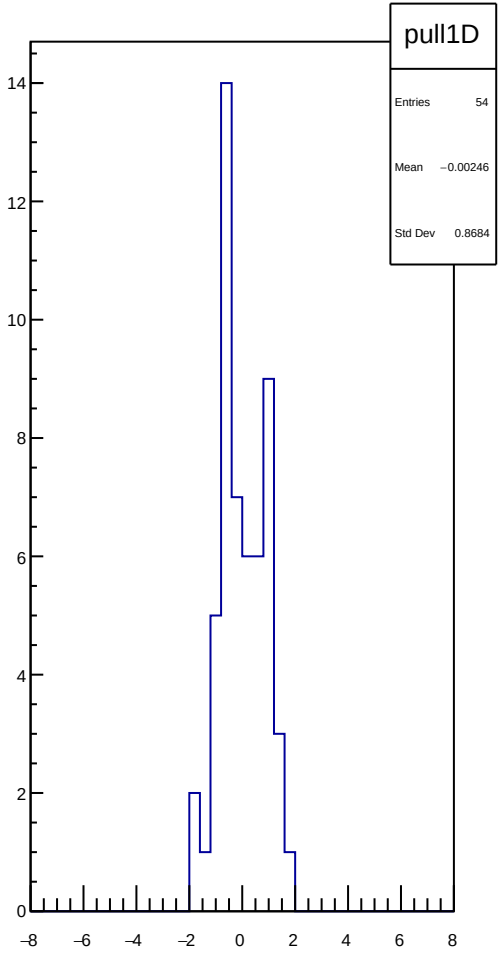

diff_cav4bY_rms vs run
χ² / ndf 1.77e+05 / 53
p0 3.046e+04 ± 32.01
70000
60000
50000
40000
30000
20000
10000

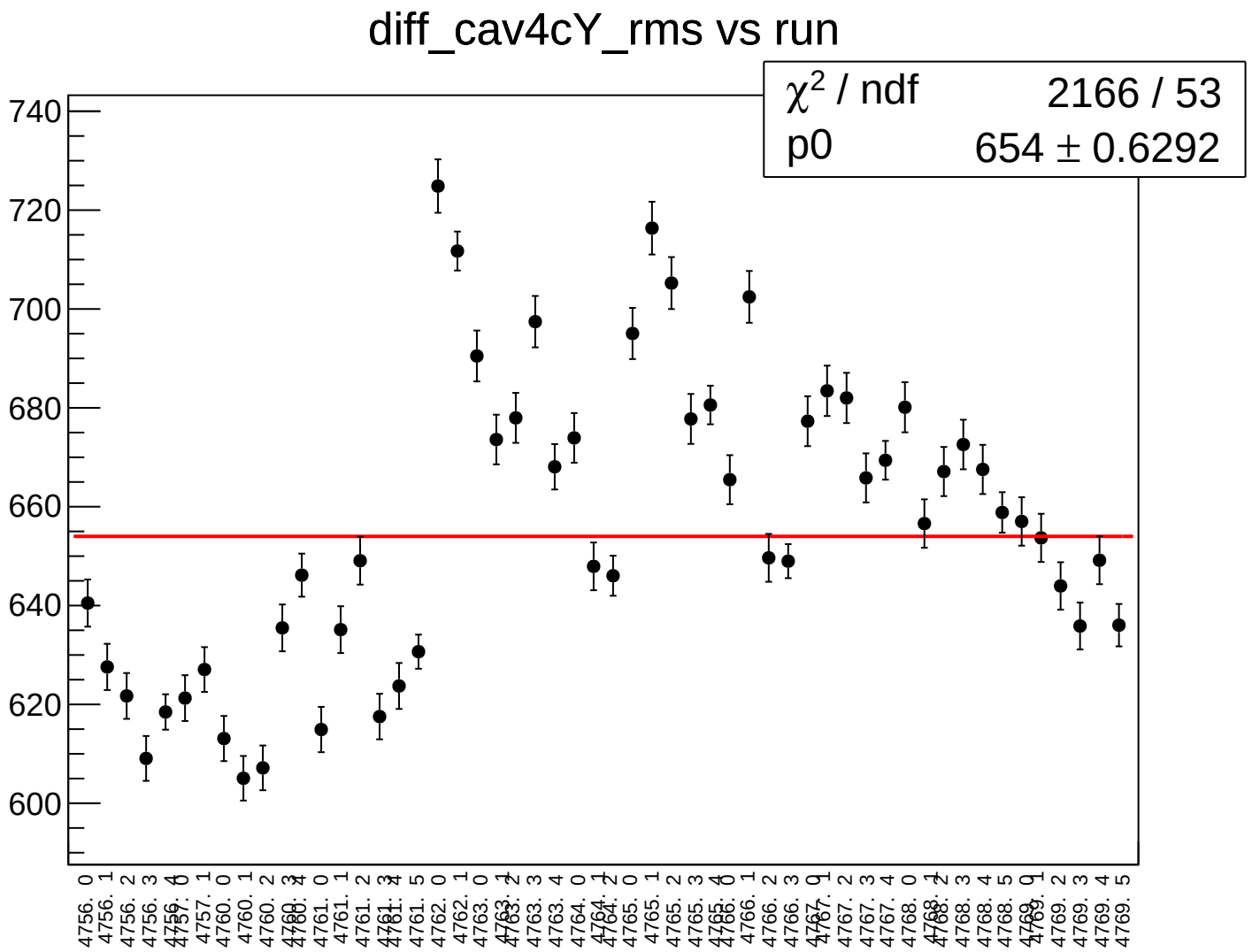

diff_cav4cX_mean vs run
χ² / ndf 50.9 / 53
p0 −8.153 ± 2.066
pull
Entries 54
Mean −84.1
Std Dev 103.2

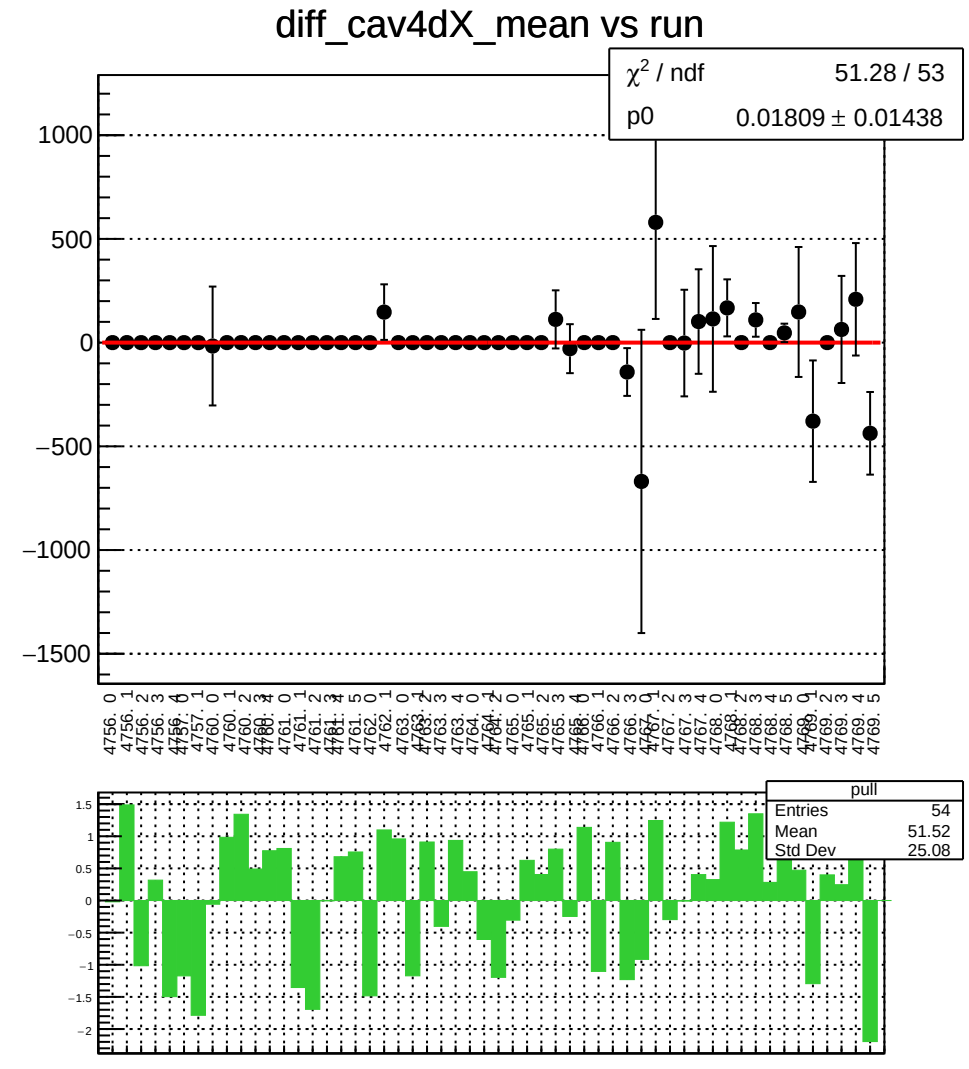

pull1D
Entries 54
Mean 0.01909
Std Dev 0.9707

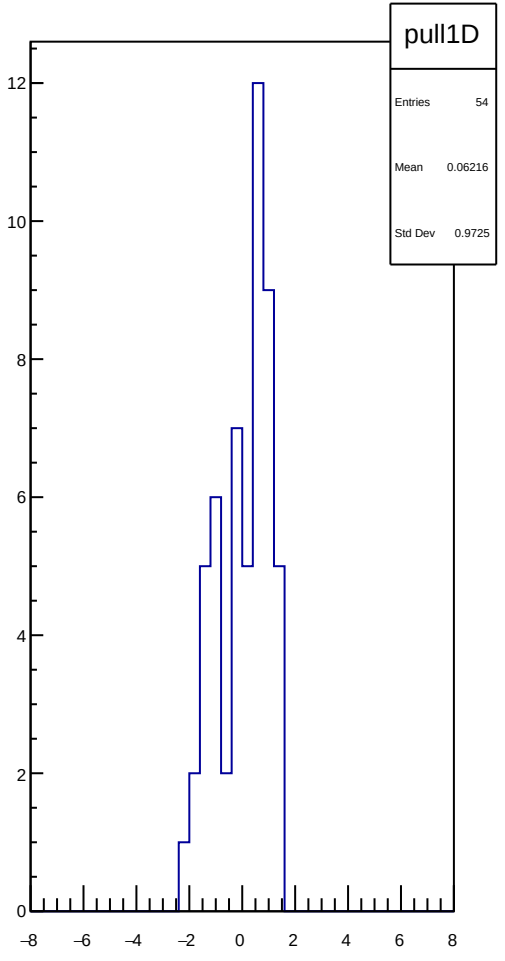

diff_cav4cX_rms vs run
χ² / ndf 2414 / 53
p0 1519 ± 1.461
1900
1800
1700
1600
1500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

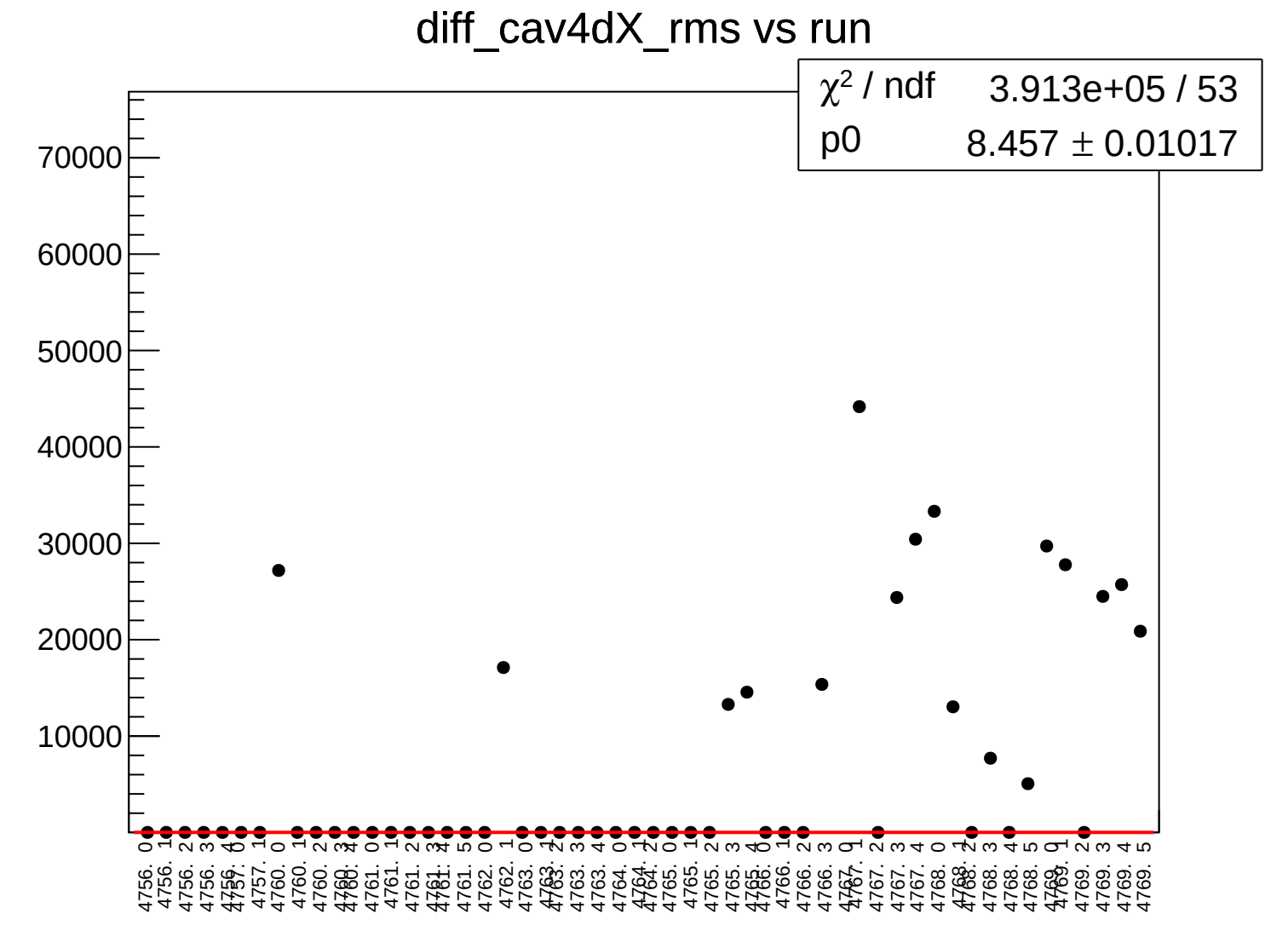

diff_cav4cY_mean vs run
χ² / ndf 40.72 / 53
p0 2.613 ± 0.8898
pull
Entries 54
Mean −104.7
Std Dev 204.7

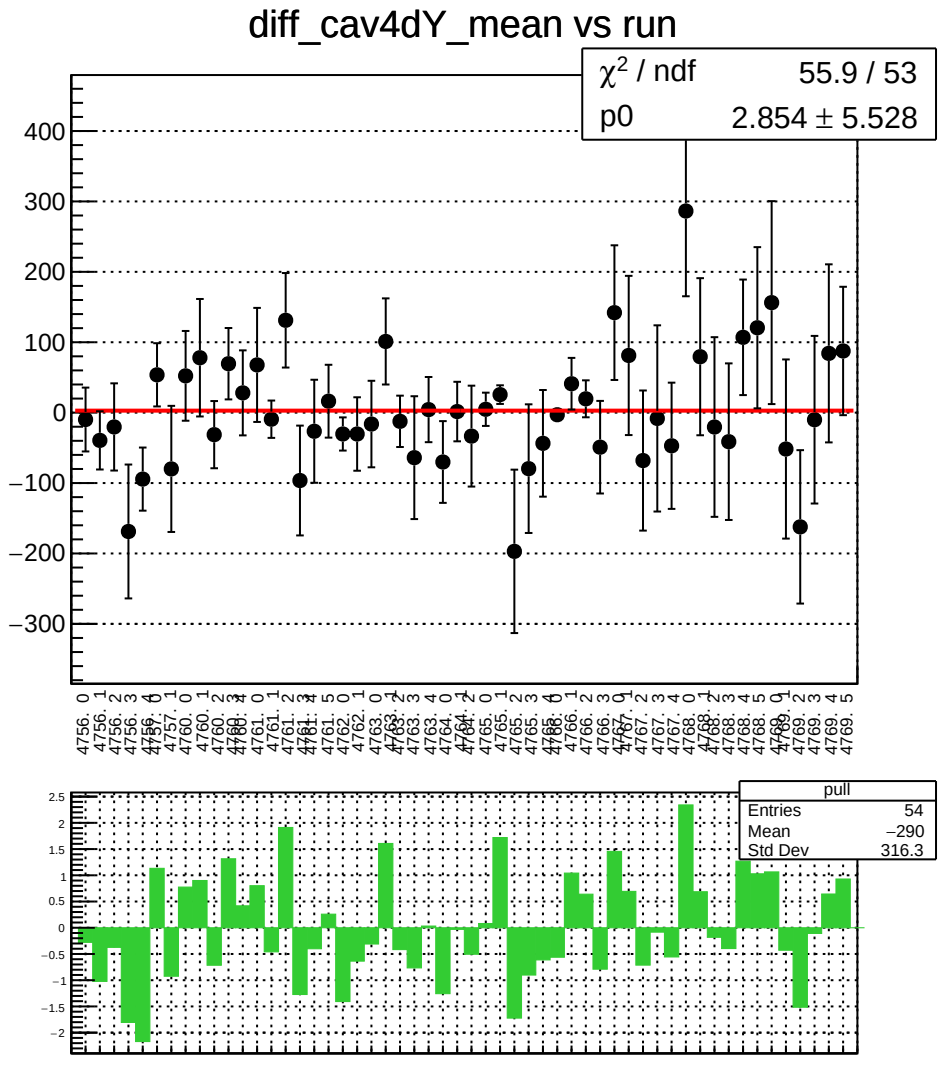

pull1D
Entries 54
Mean −0.00246
Std Dev 0.8684

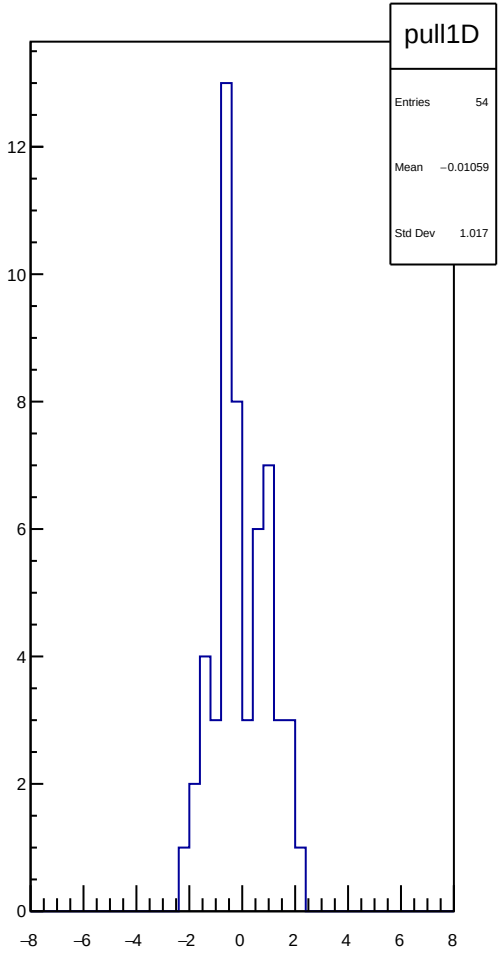

diff_cav4cY_rms vs run
χ² / ndf 2166 / 53
p0 654 ± 0.6292
740
720
700
680
660
640
620
600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

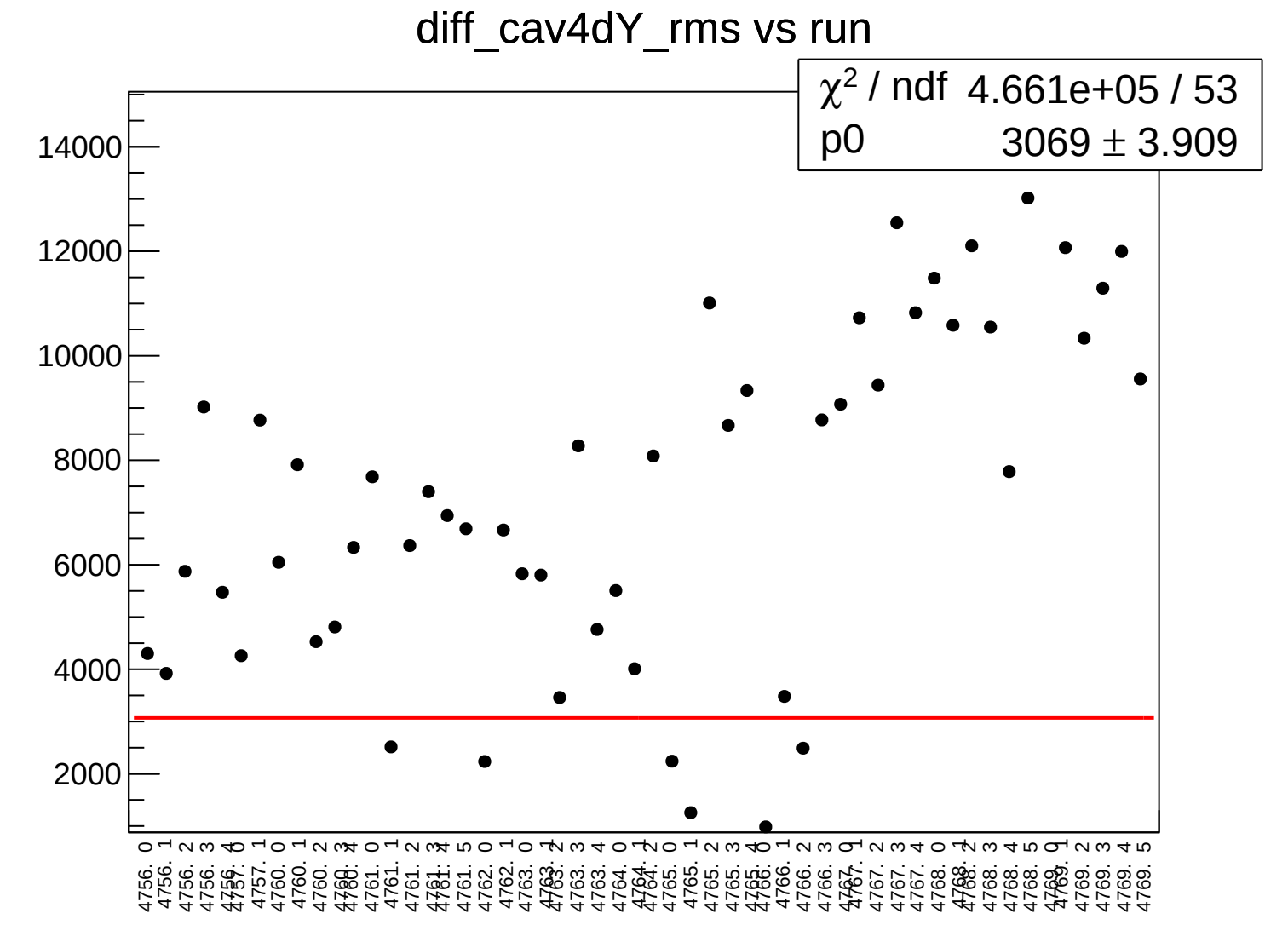

diff_cav4dX_mean vs run
χ² / ndf 51.28 / 53
p0 0.01809 ± 0.01438
1000
500
0
−500
−1000
−1500
pull
Entries 54
Mean 51.52
Std Dev 25.08
1.5
1
0.5
0
−0.5
−1
−1.5
−2

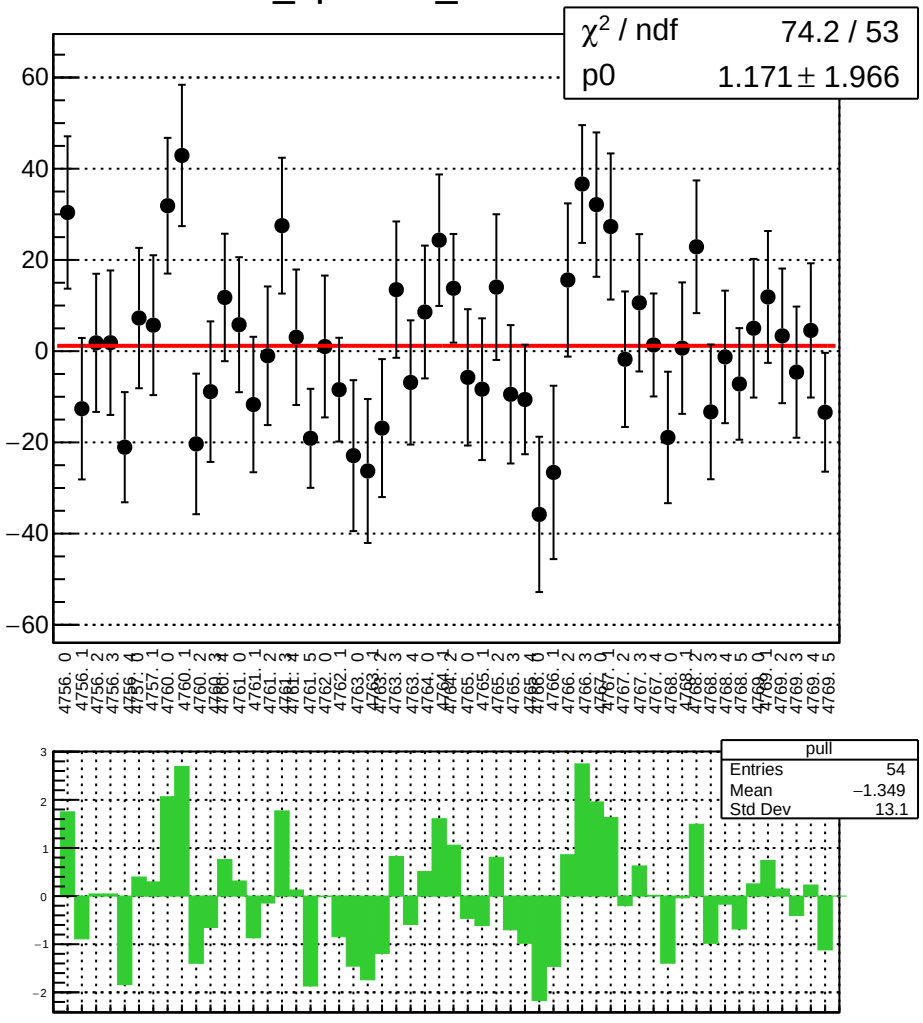

pull1D
Entries 54
Mean 0.06216
Std Dev 0.9725
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

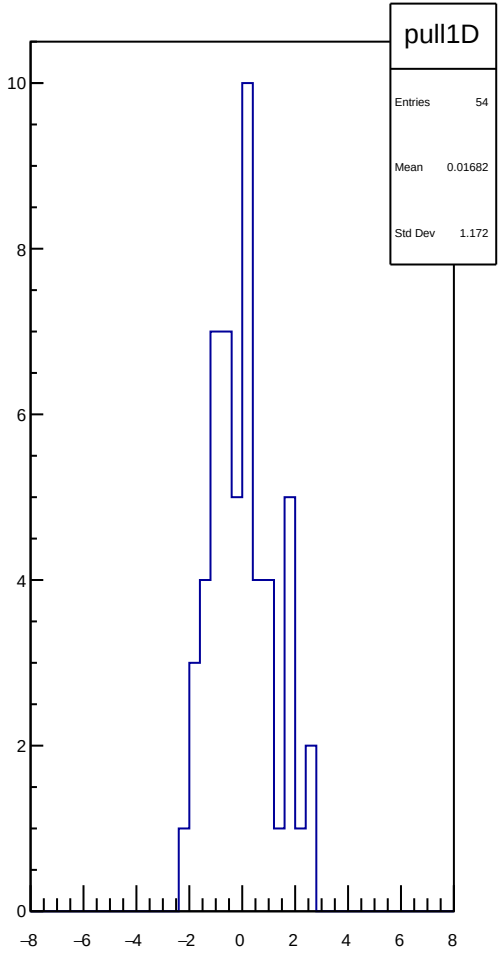

diff_cav4dX_rms vs run
χ^2 / ndf 3.913e+05 / 53
p0 8.457 ± 0.01017
70000
60000
50000
40000
30000
20000
10000

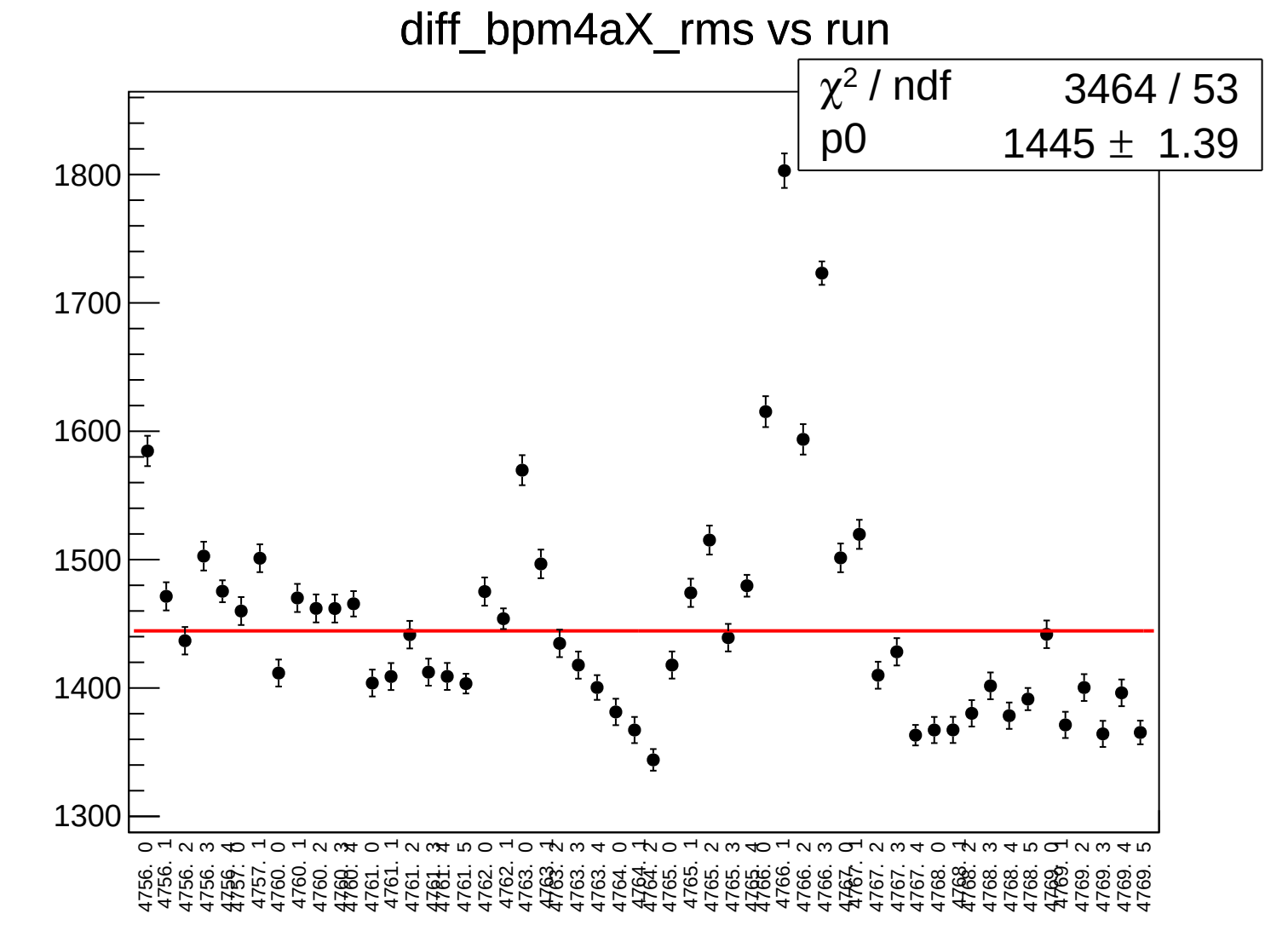

diff_cav4dY_mean vs run
χ^2 / ndf 55.9 / 53
p0 2.854 ± 5.528
pull
Entries 54
Mean −290
Std Dev 316.3

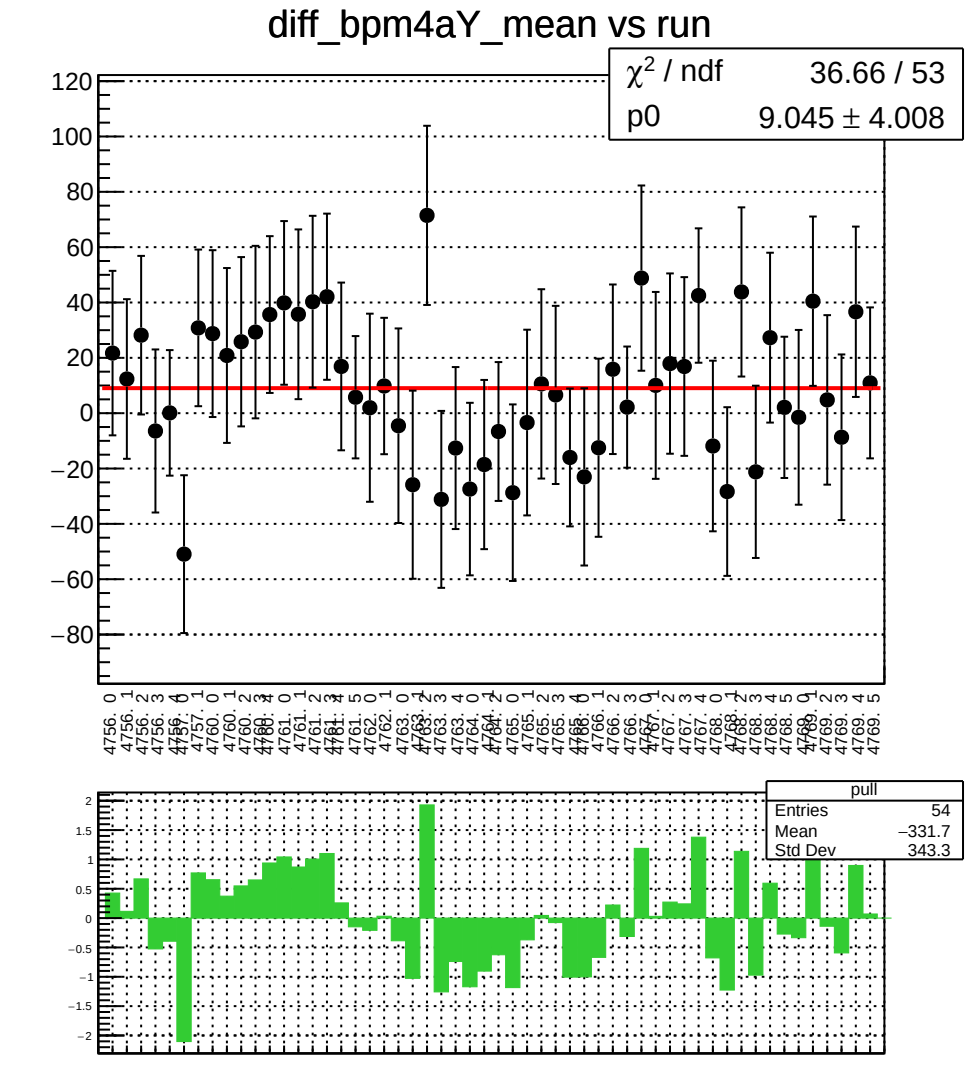

pull1D
Entries 54
Mean −0.01059
Std Dev 1.017

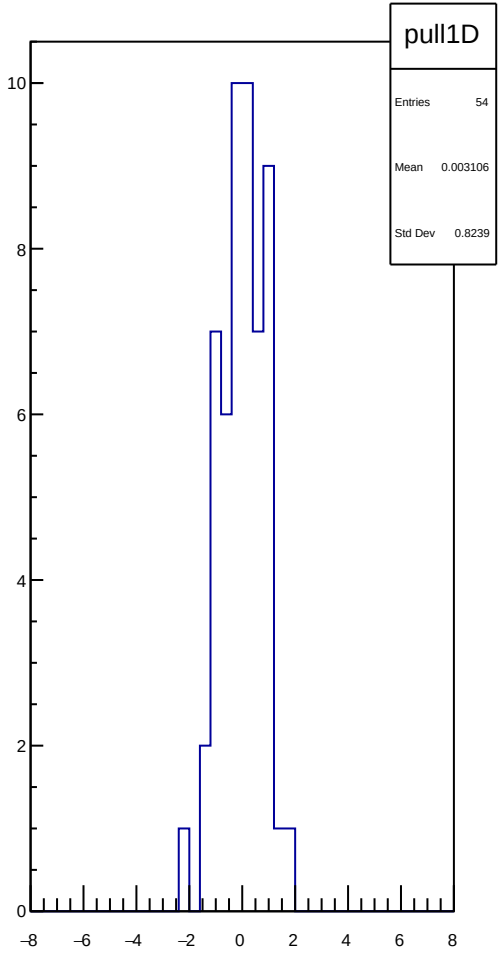

diff_cav4dY_rms vs run
χ² / ndf 4.661e+05 / 53
p0 3069 ± 3.909
14000
12000
10000
8000
6000
4000
2000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

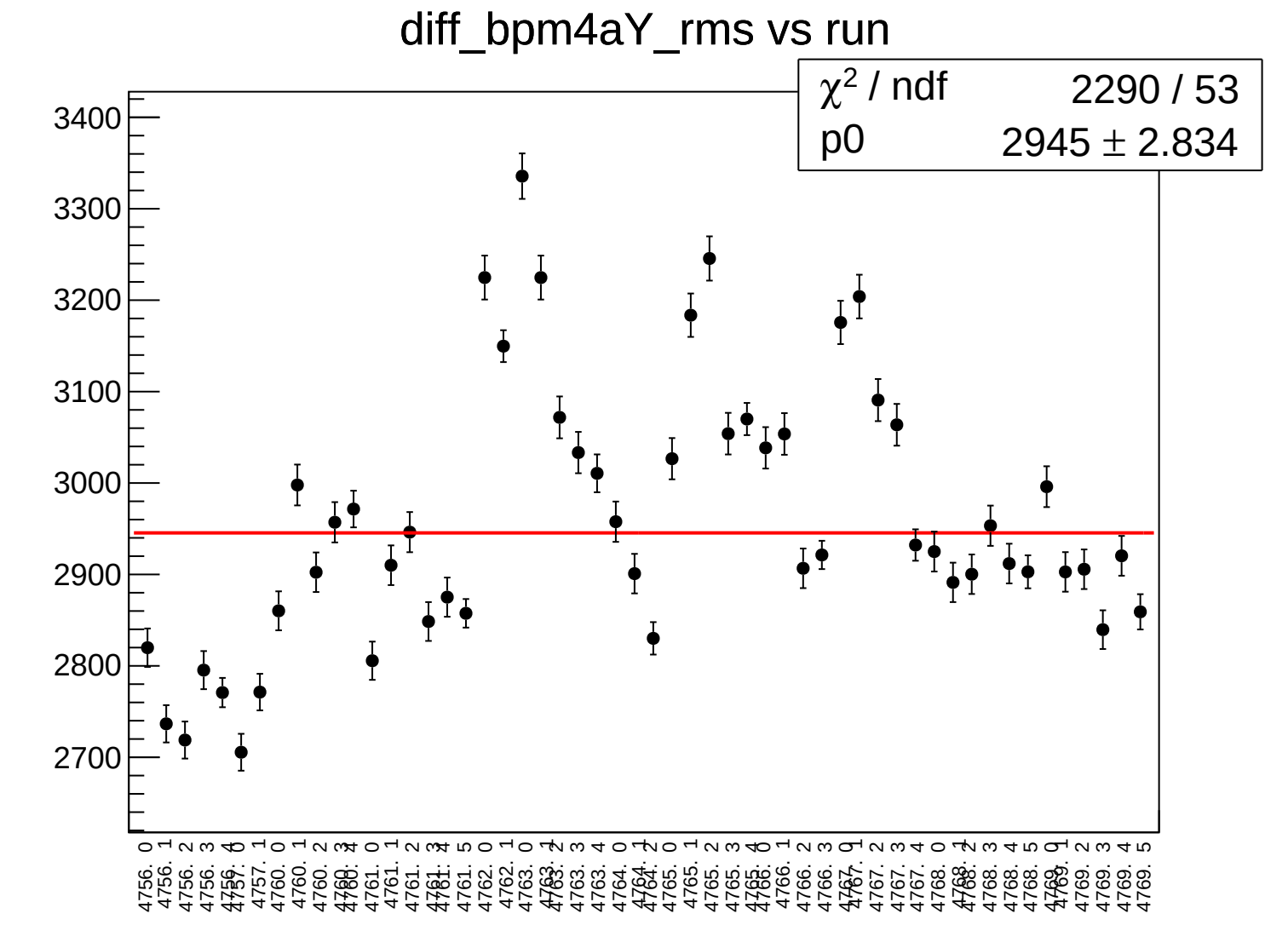

diff_bpm4aX_mean vs run
χ² / ndf 74.2 / 53
p0 1.171 ± 1.966
pull
Entries 54
Mean −1.349
Std Dev 13.1

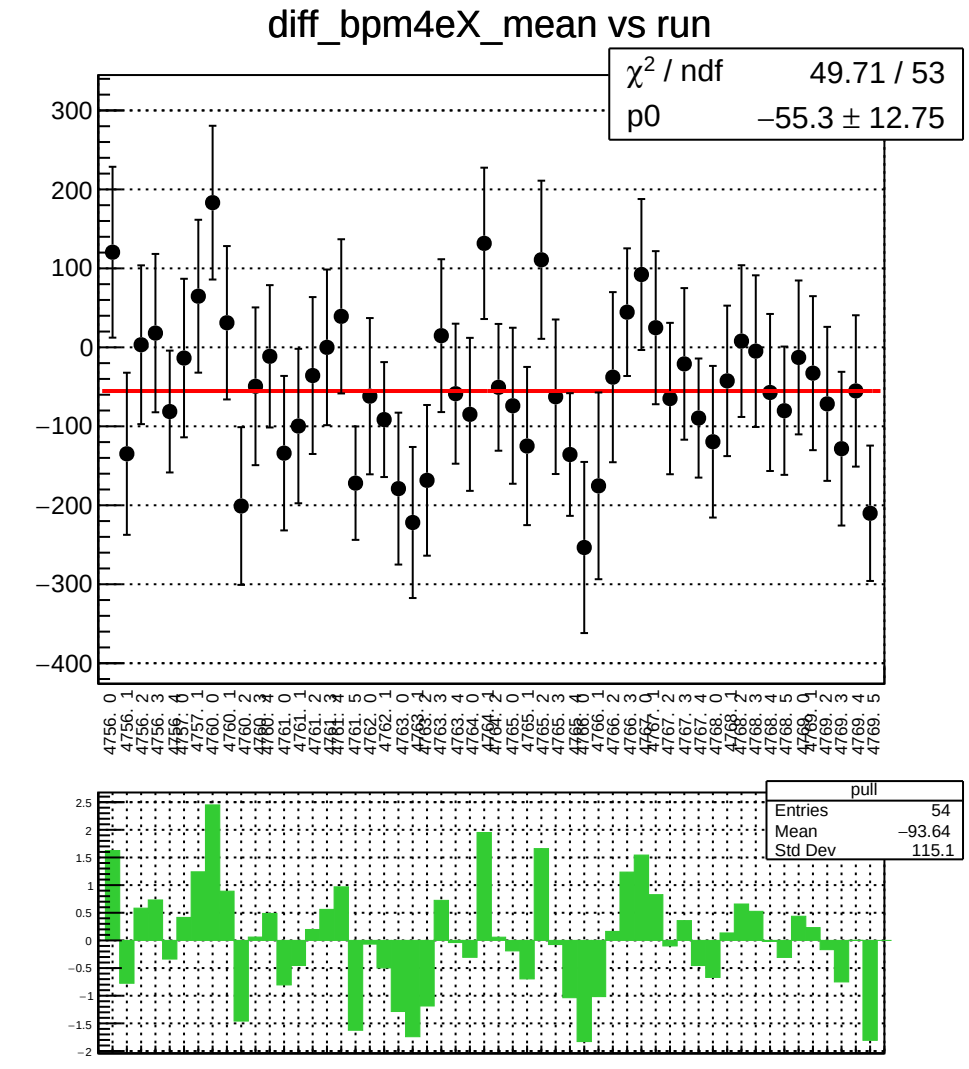

pull1D
Entries 54
Mean 0.01682
Std Dev 1.172

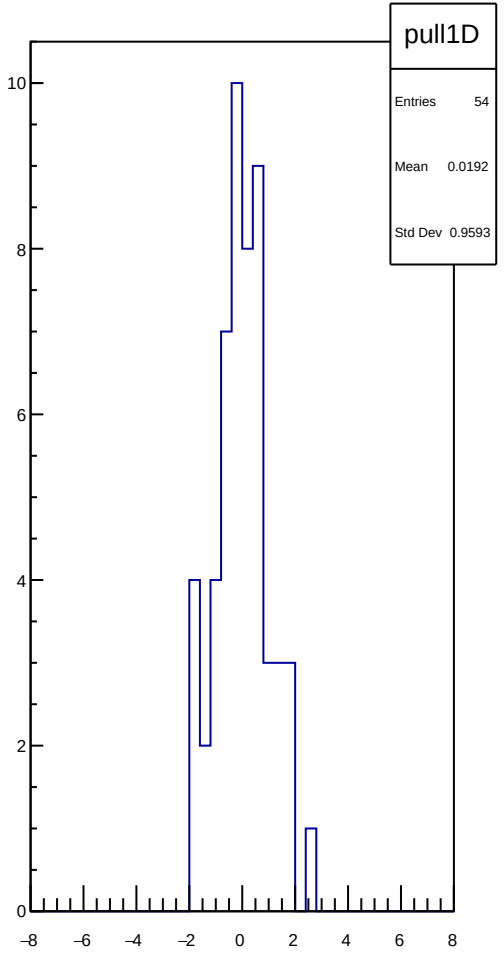

diff_bpm4aX_rms vs run
χ² / ndf 3464 / 53
p0 1445 ± 1.39
1800
1700
1600
1500
1400
1300
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

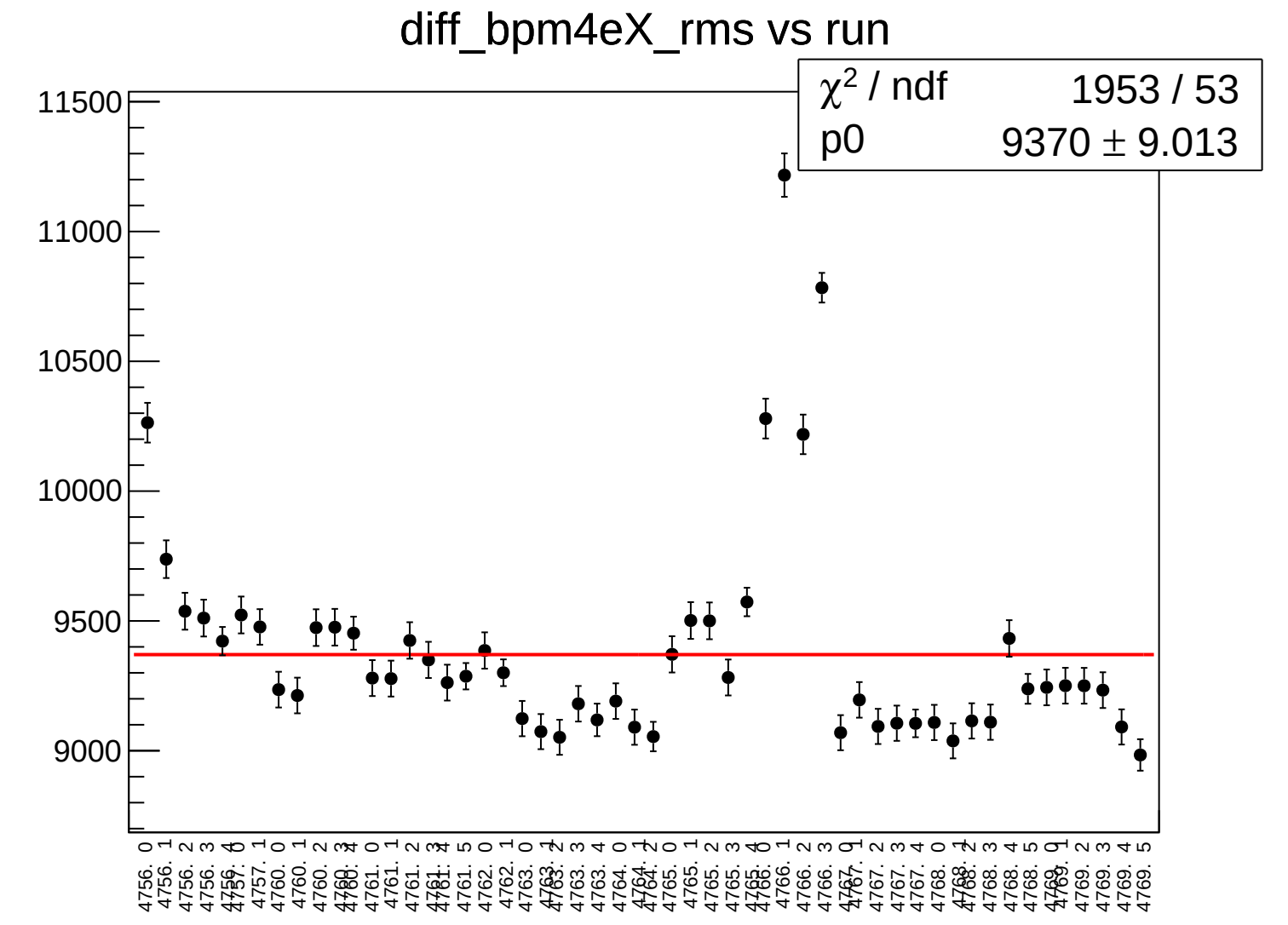

diff_bpm4aY_mean vs run
χ² / ndf 36.66 / 53
p0 9.045 ± 4.008
pull
Entries 54
Mean −331.7
Std Dev 343.3

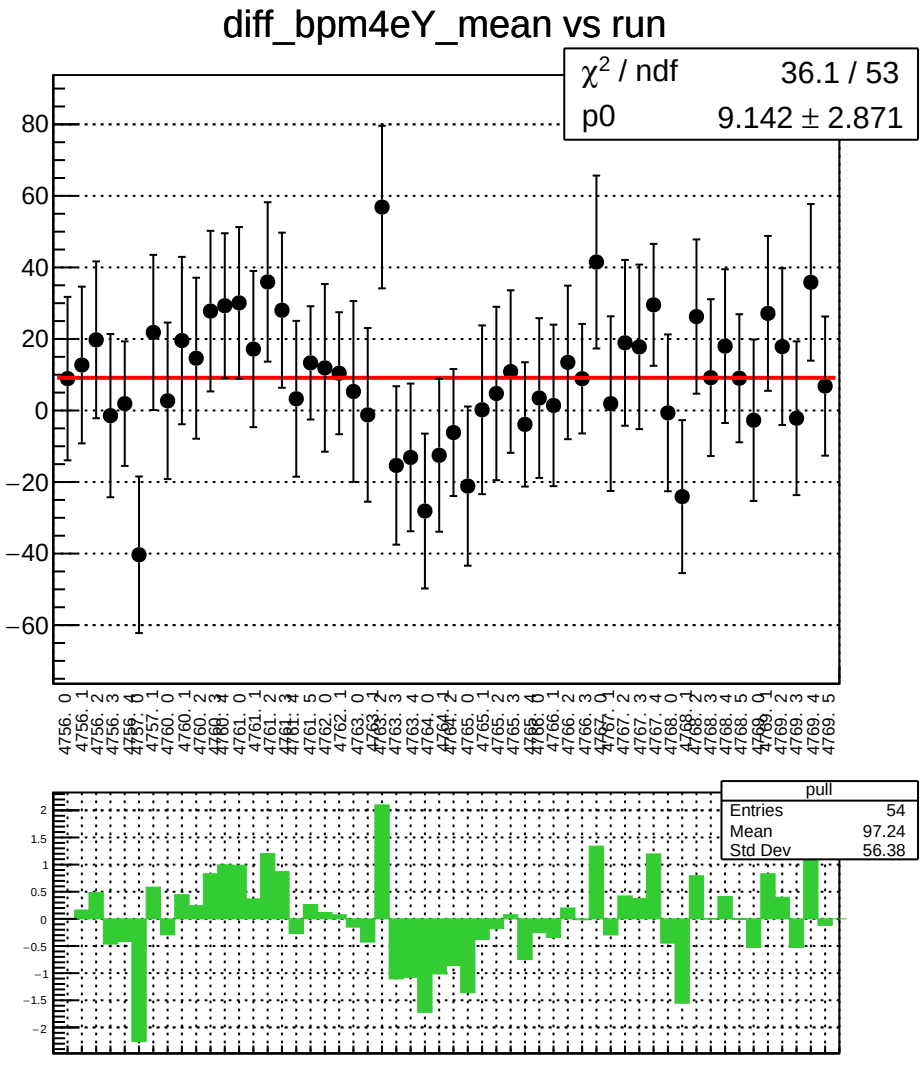

pull1D
Entries 54
Mean 0.003106
Std Dev 0.8239

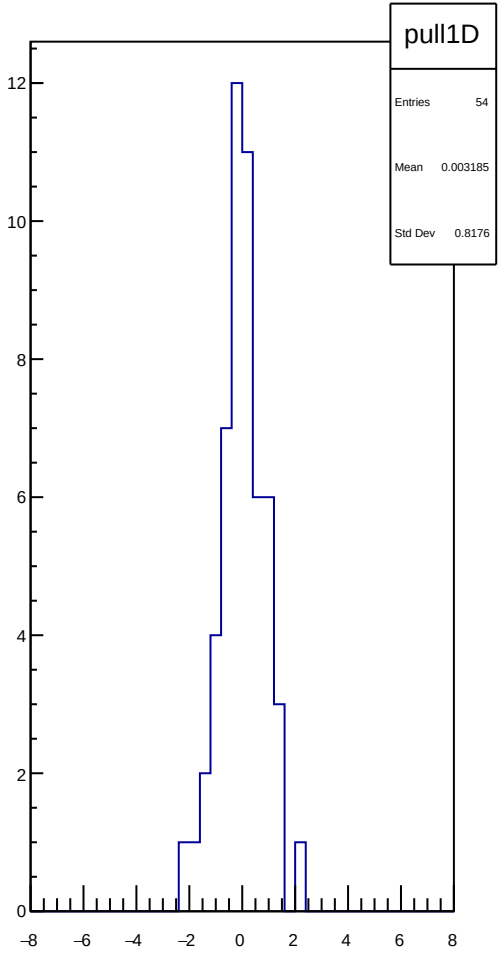

diff_bpm4aY_rms vs run
χ² / ndf 2290 / 53
p0 2945 ± 2.834
3400
3300
3200
3100
3000
2900
2800
2700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

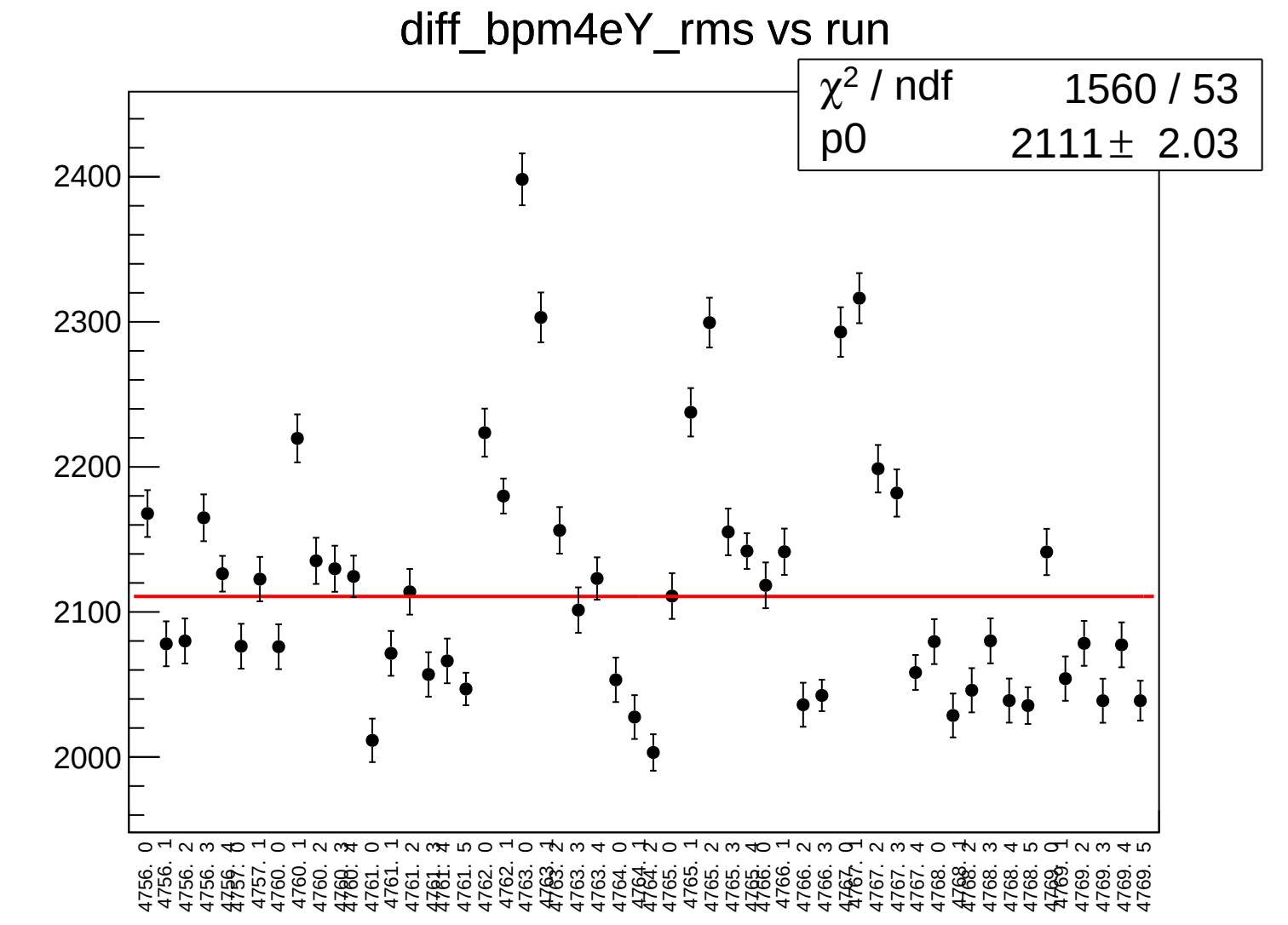

diff_bpm4eX_mean vs run
χ² / ndf 49.71 / 53
p0 −55.3 ± 12.75
pull
Entries 54
Mean −93.64
Std Dev 115.1

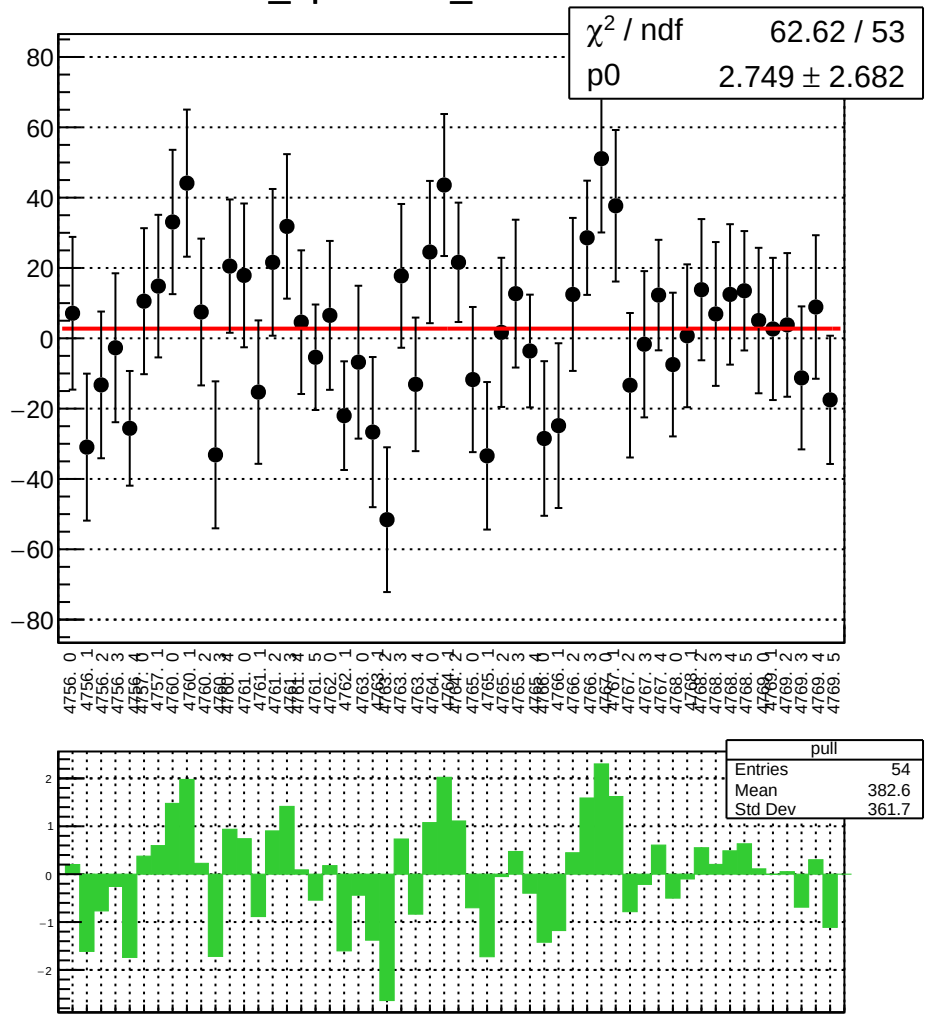

pull1D
Entries 54
Mean 0.0192
Std Dev 0.9593

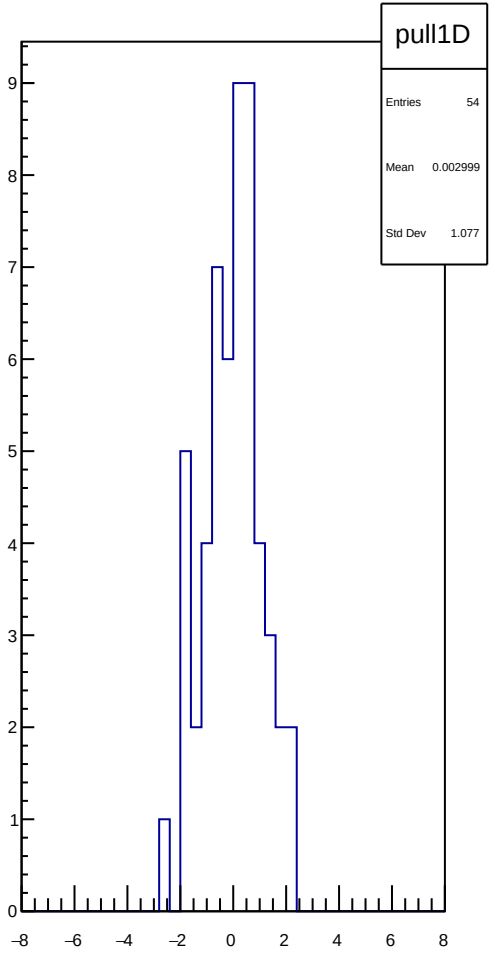

diff_bpm4eX_rms vs run
χ² / ndf 1953 / 53
p0 9370 ± 9.013
11500
11000
10500
10000
9500
9000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

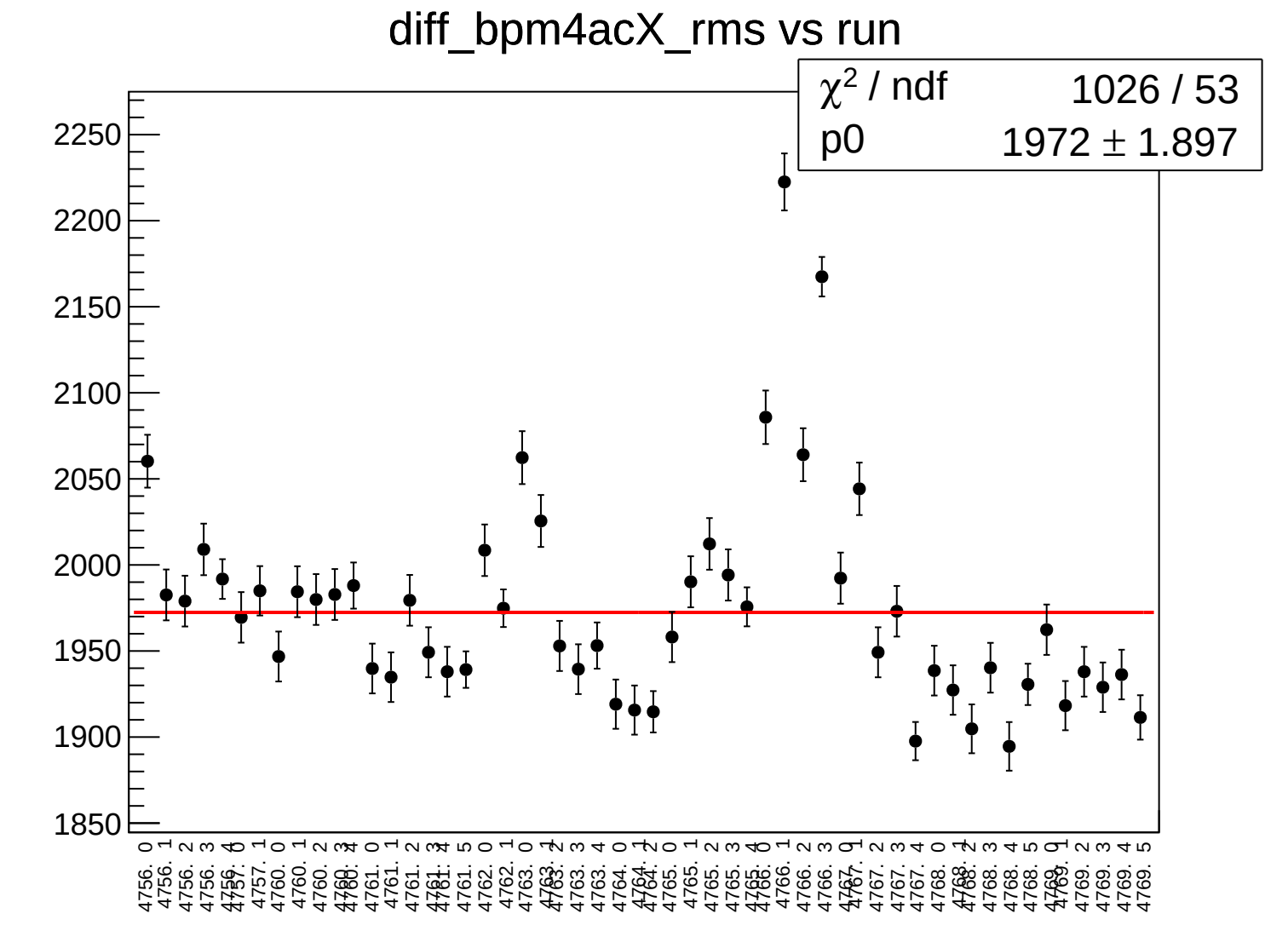

diff_bpm4eY_mean vs run
χ² / ndf 36.1 / 53
p0 9.142 ± 2.871
pull
Entries 54
Mean 97.24
Std Dev 56.38

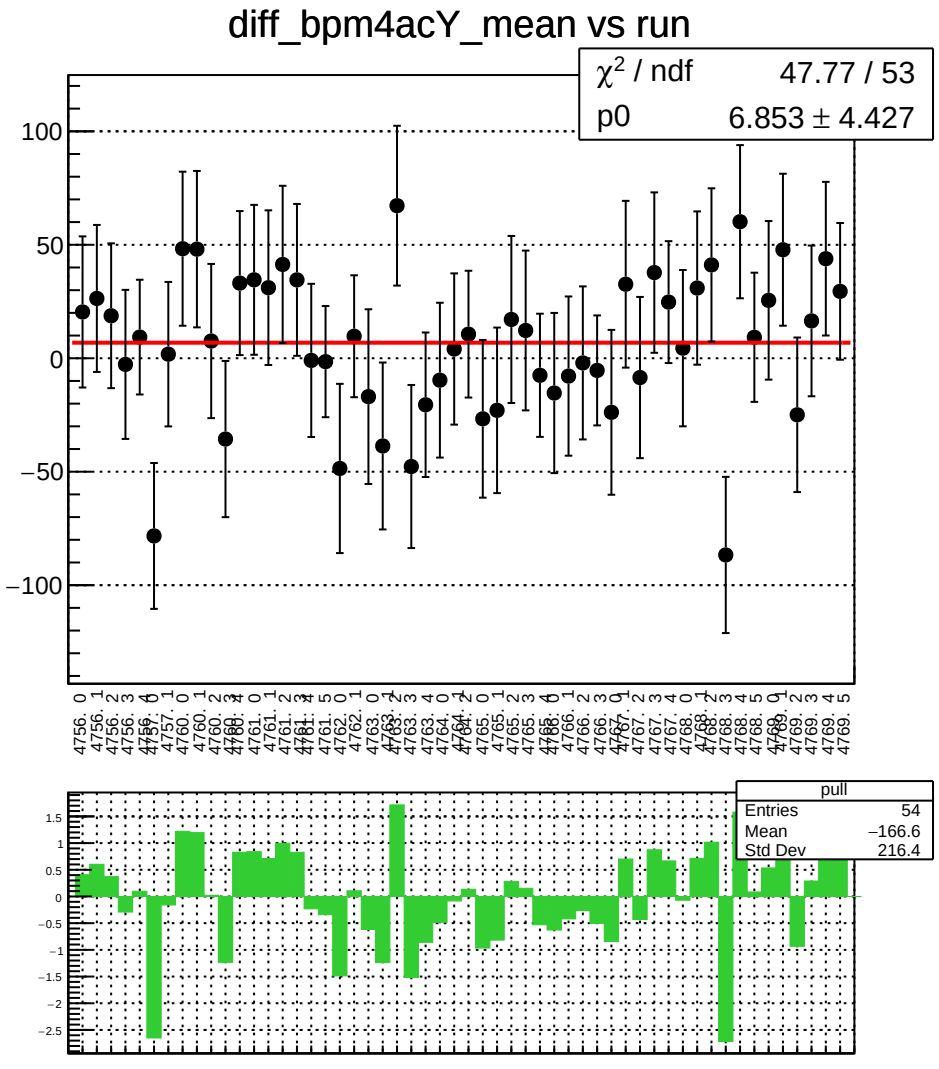

pull1D
Entries 54
Mean 0.003185
Std Dev 0.8176

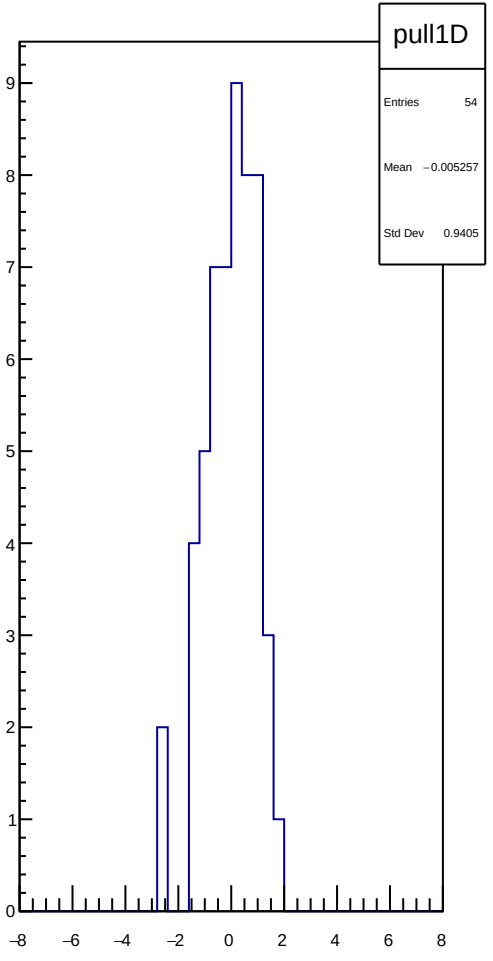

diff_bpm4eY_rms vs run
χ² / ndf 1560 / 53
p0 2111 ± 2.03
2400
2300
2200
2100
2000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

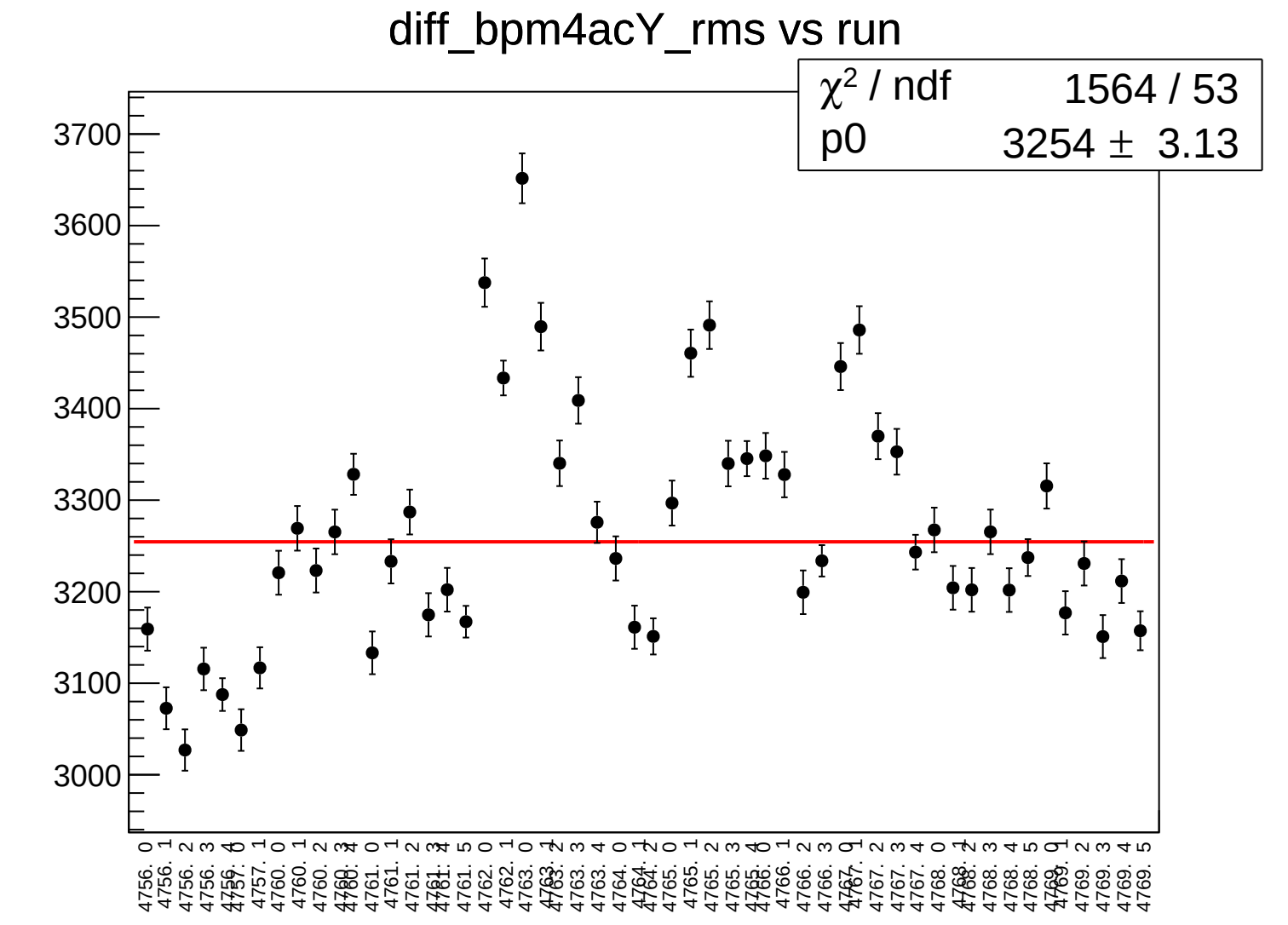

diff_bpm4acX_mean vs run
χ² / ndf 62.62 / 53
p0 2.749 ± 2.682
pull
Entries 54
Mean 382.6
Std Dev 361.7

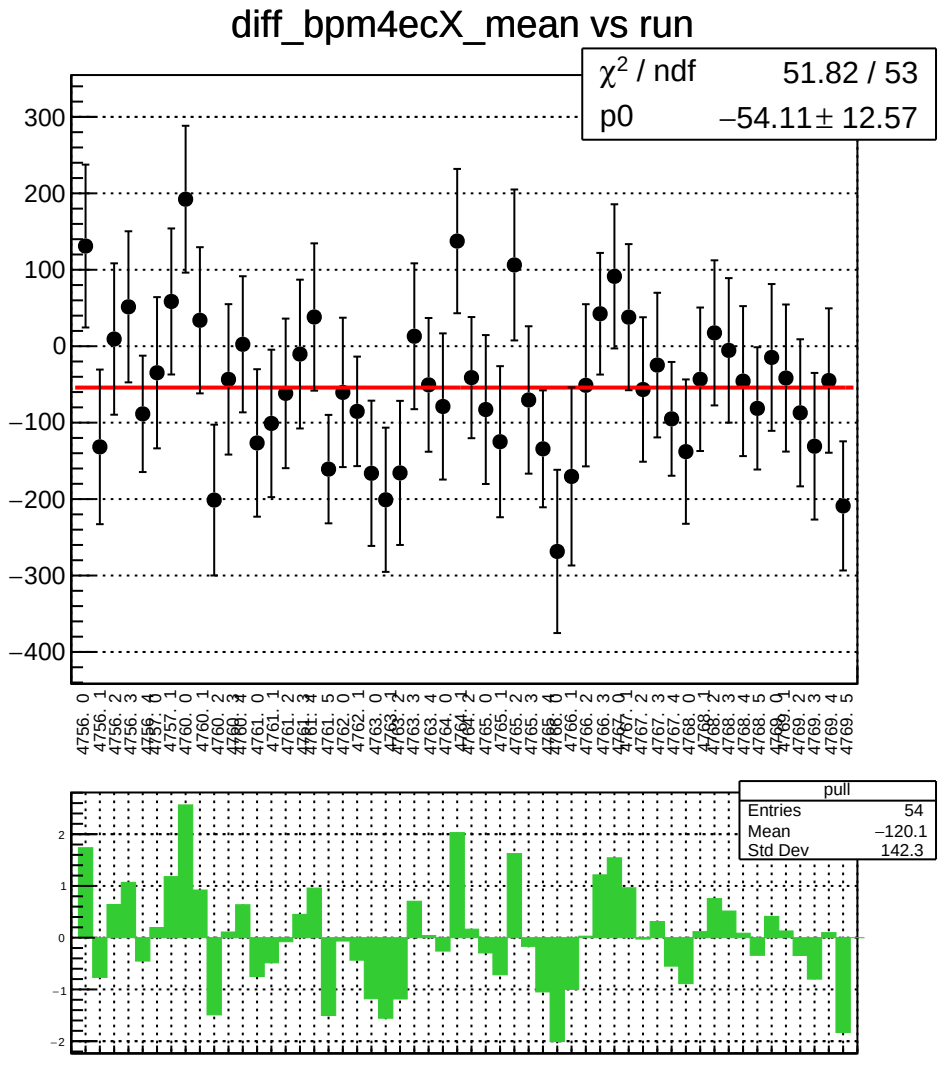

pull1D
Entries 54
Mean 0.002999
Std Dev 1.077

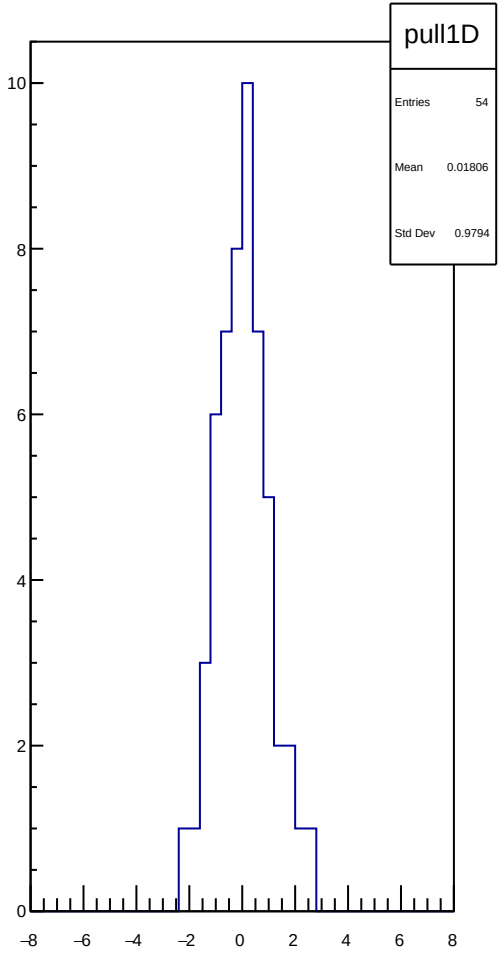

diff_bpm4acX_rms vs run
χ² / ndf 1026 / 53
p0 1972 ± 1.897
2250
2200
2150
2100
2050
2000
1950
1900
1850
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

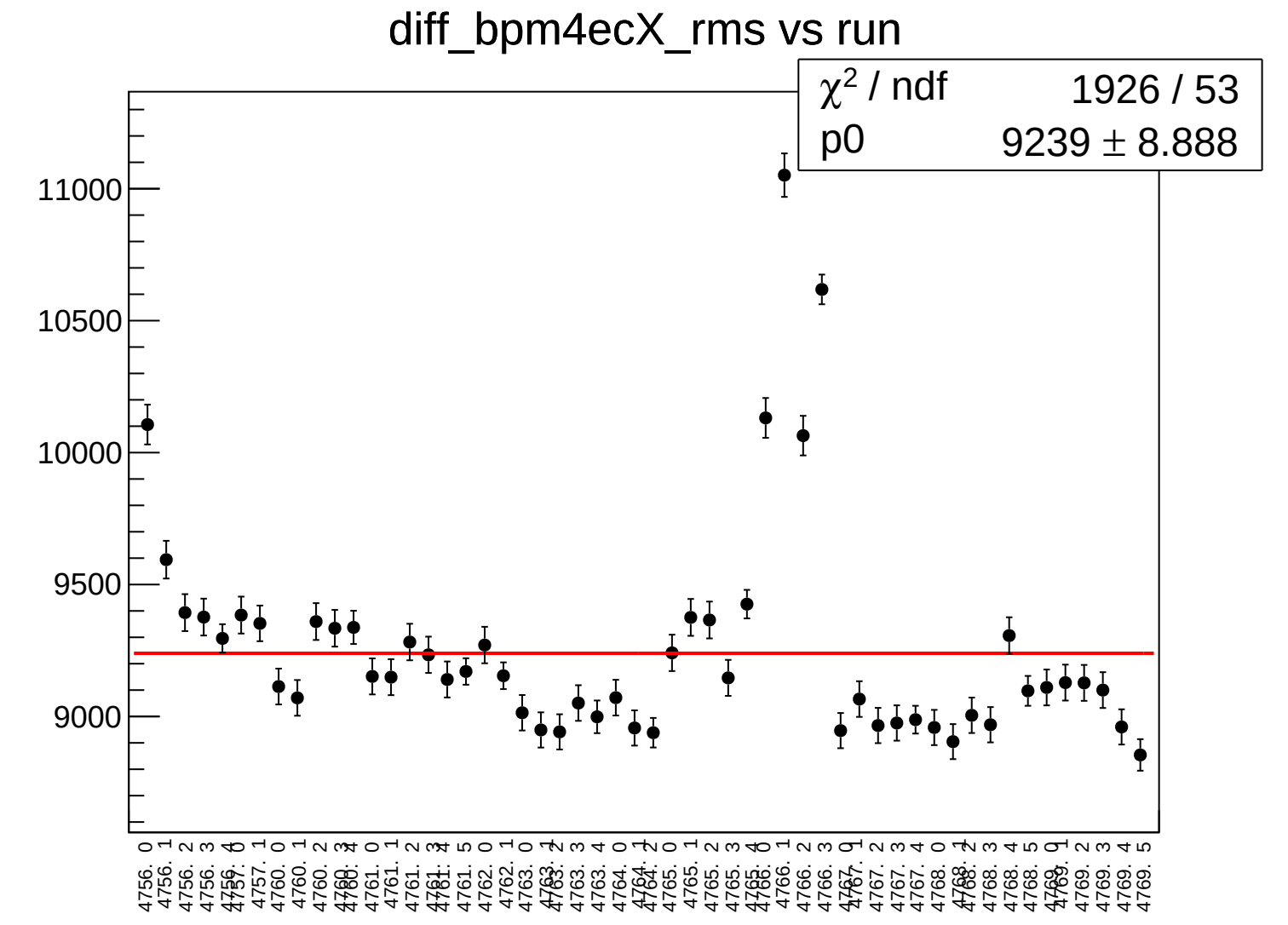

diff_bpm4acY_mean vs run
χ^2 / ndf 47.77 / 53
p0 6.853 ± 4.427
100
50
0
−50
−100
pull
Entries 54
Mean −166.6
Std Dev 216.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 54
Mean −0.005257
Std Dev 0.9405
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acY_rms vs run
χ² / ndf 1564 / 53
p0 3254 ± 3.13
3700
3600
3500
3400
3300
3200
3100
3000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


diff_bpm4ecX_mean vs run
χ² / ndf 51.82 / 53
p0 −54.11± 12.57
pull
Entries 54
Mean −120.1
Std Dev 142.3


pull1D
Entries 54
Mean 0.01806
Std Dev 0.9794


diff_bpm4ecX_rms vs run
χ² / ndf 1926 / 53
p0 9239 ± 8.888
11000
10500
10000
9500
9000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
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4767. 4
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4768. 1
4768. 2
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4768. 4
4768. 5
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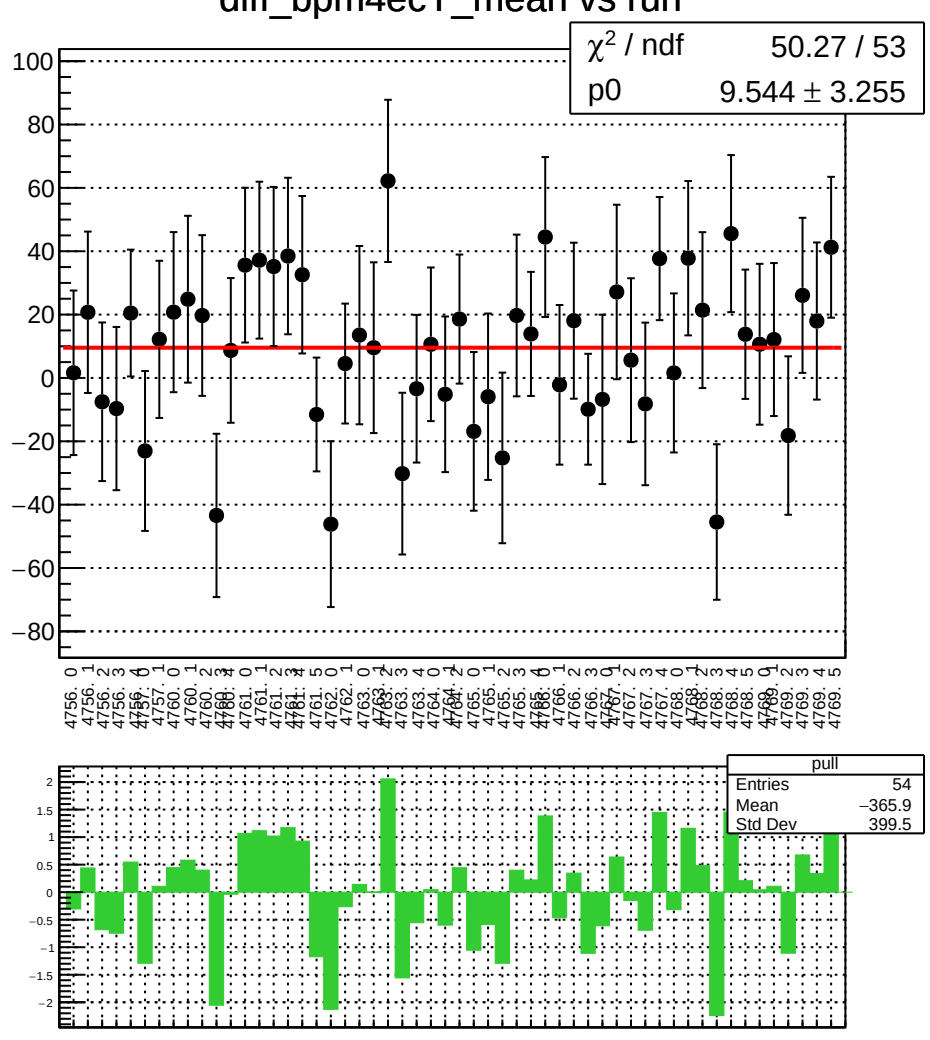
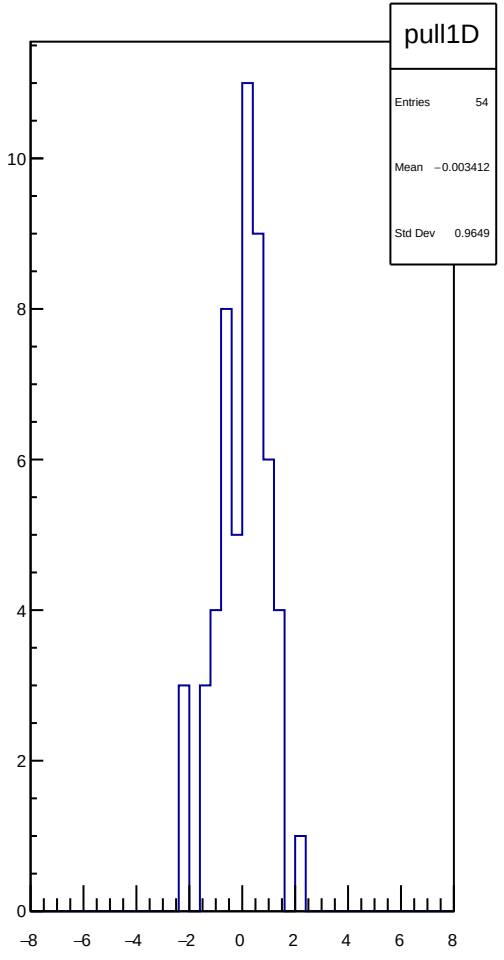
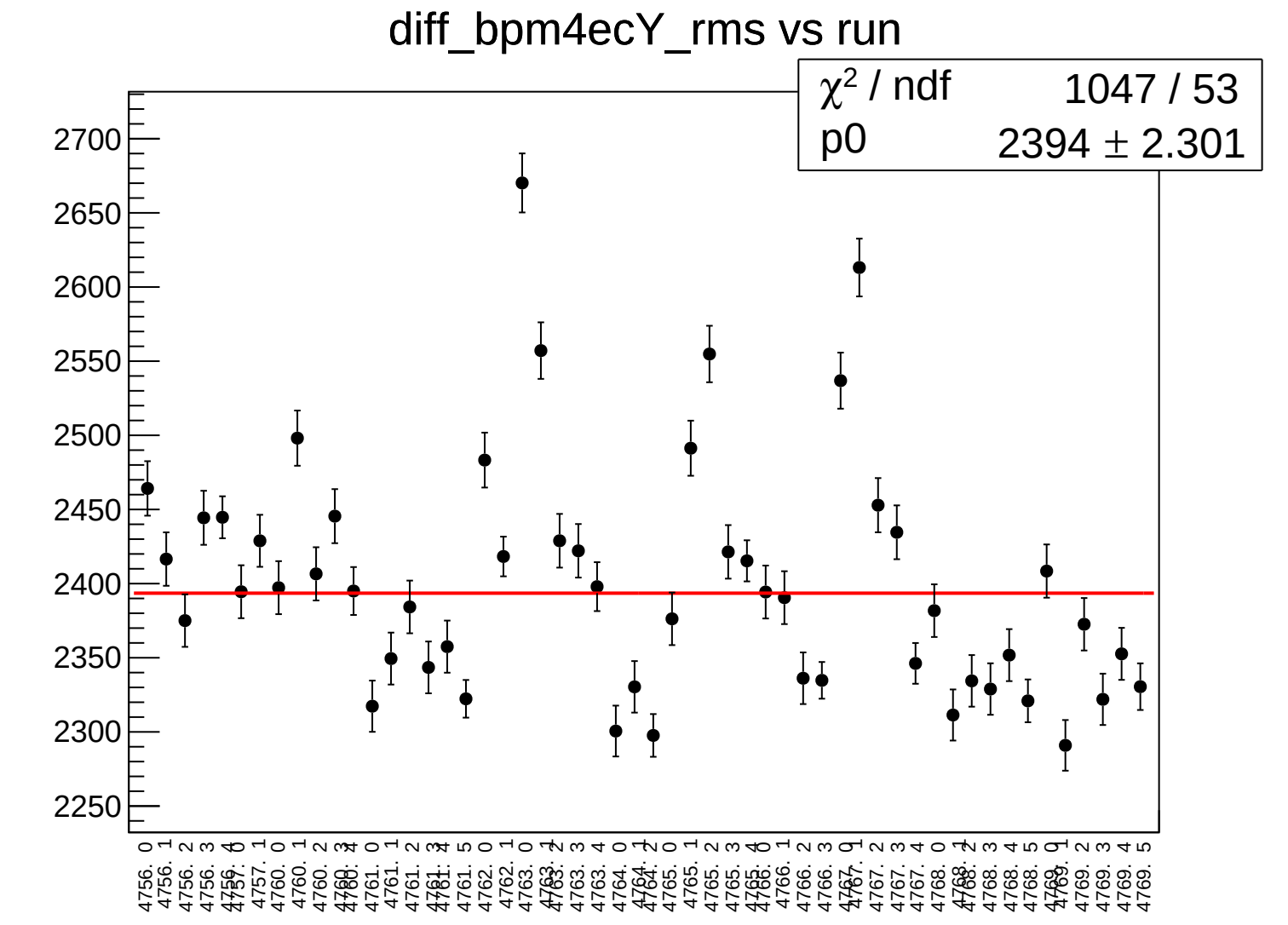
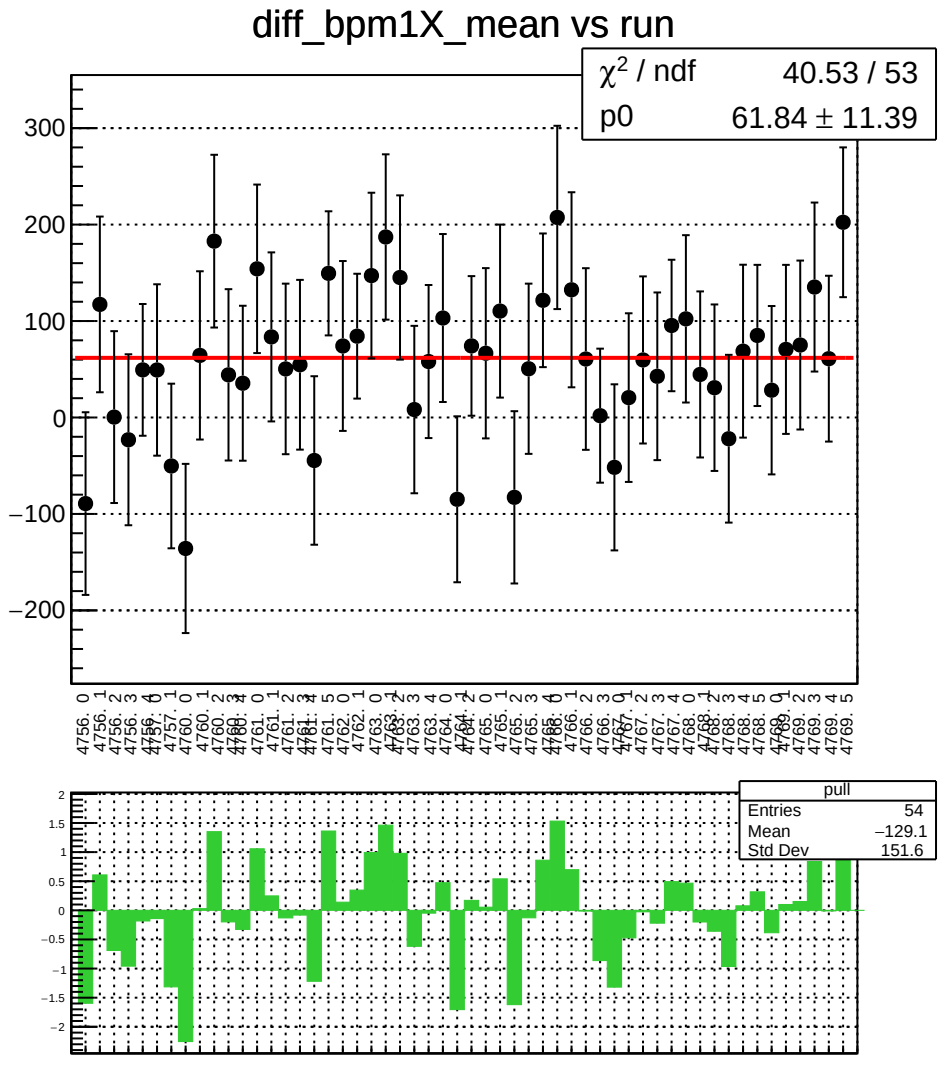
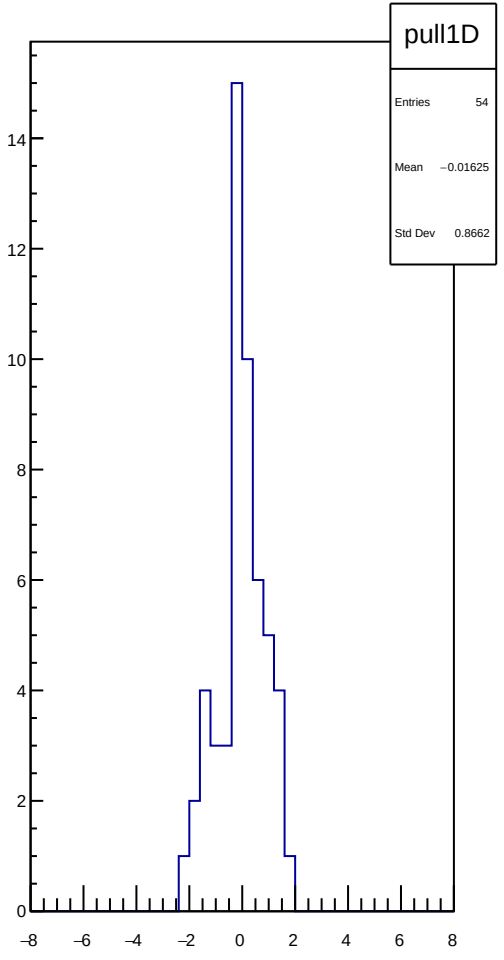
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

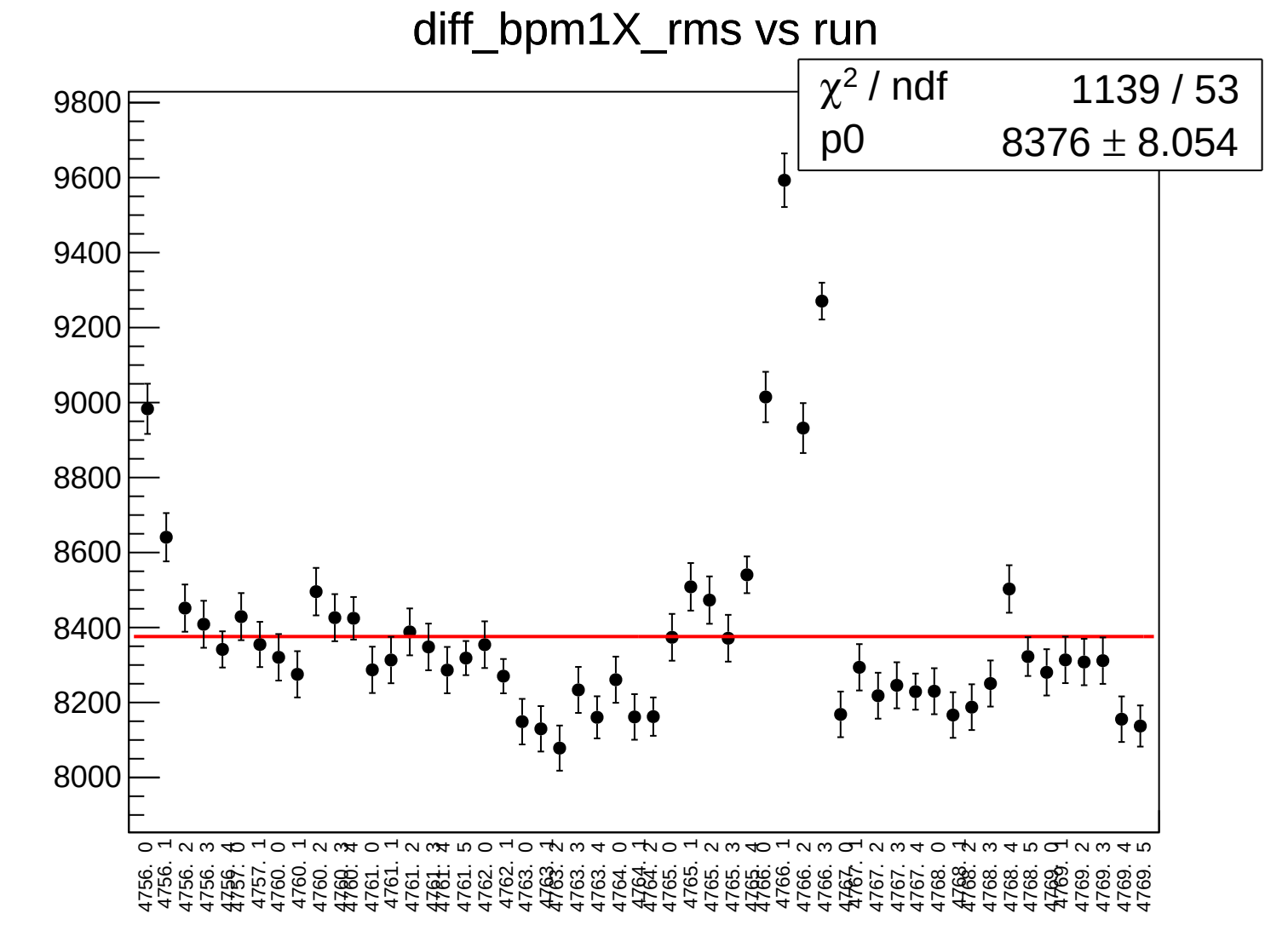

diff_bpm4ecY_mean vs run
χ² / ndf 50.27 / 53
p0 9.544 ± 3.255
pull
Entries 54
Mean −365.9
Std Dev 399.5

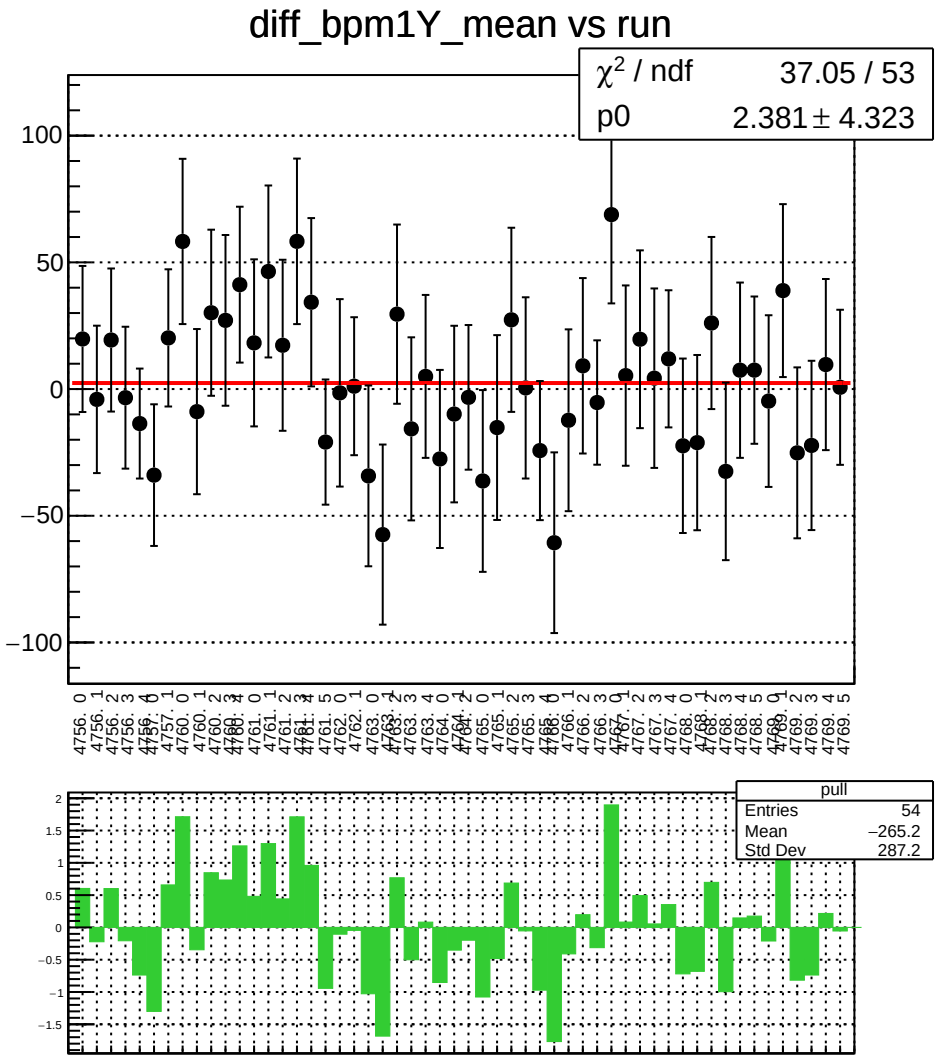

pull1D
Entries 54
Mean −0.003412
Std Dev 0.9649

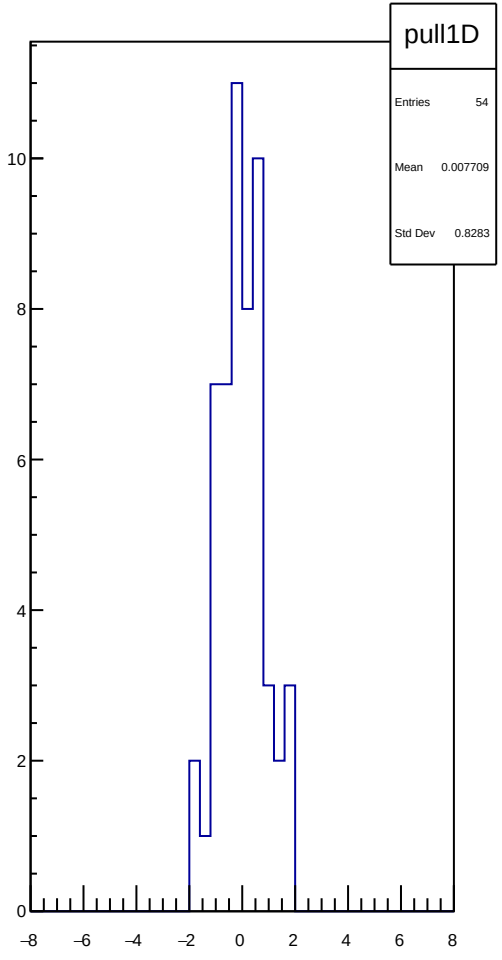

diff_bpm4ecY_rms vs run
χ² / ndf 1047 / 53
p0 2394 ± 2.301
2700
2650
2600
2550
2500
2450
2400
2350
2300
2250
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

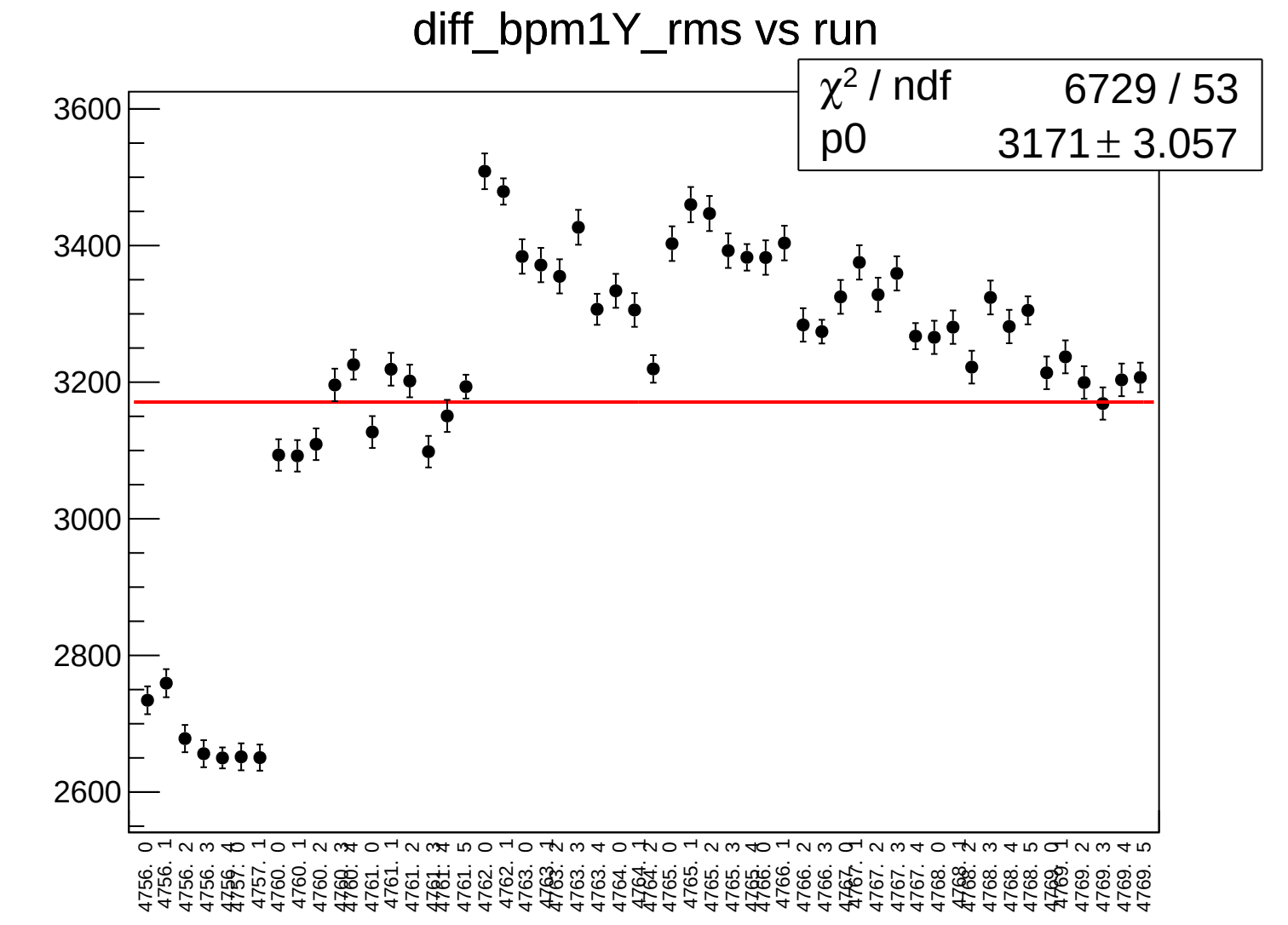

diff_bpm1X_mean vs run
χ^2 / ndf 40.53 / 53
p0 61.84 ± 11.39
pull
Entries 54
Mean −129.1
Std Dev 151.6

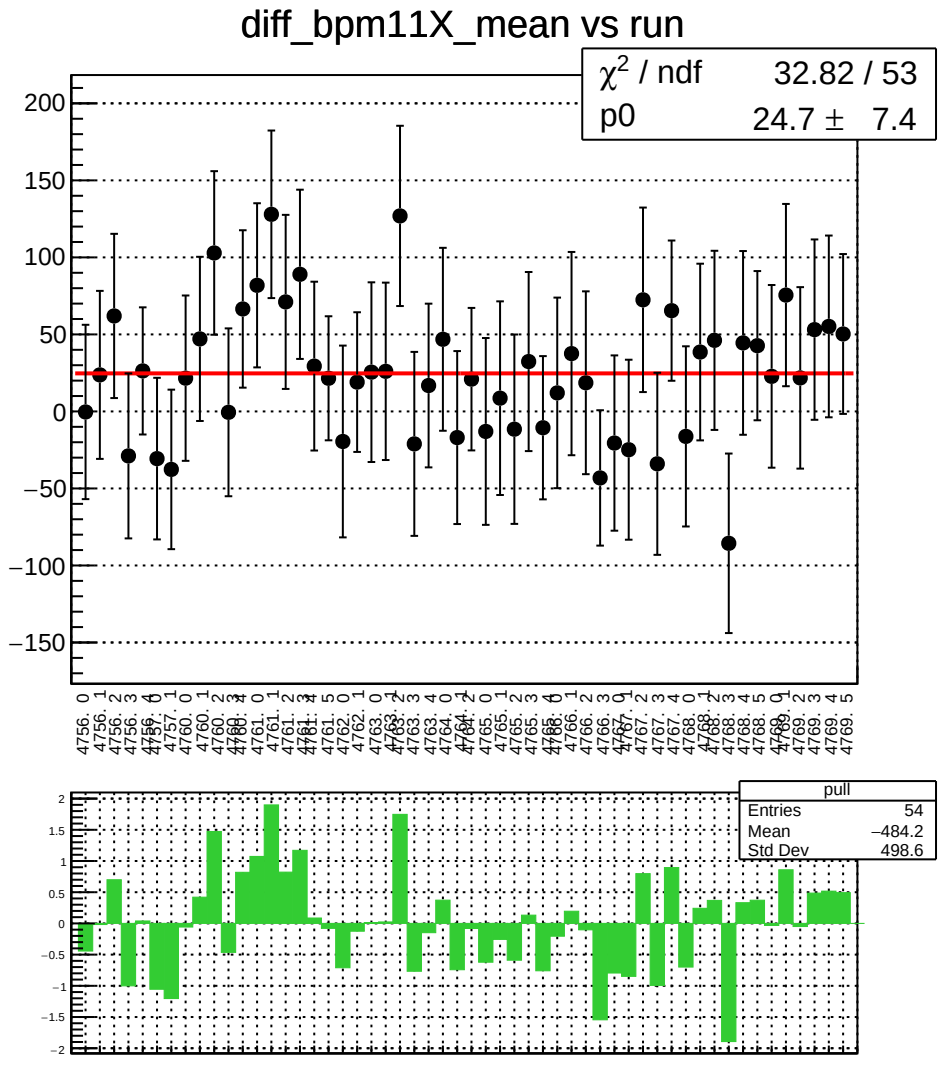

pull1D
Entries 54
Mean −0.01625
Std Dev 0.8662

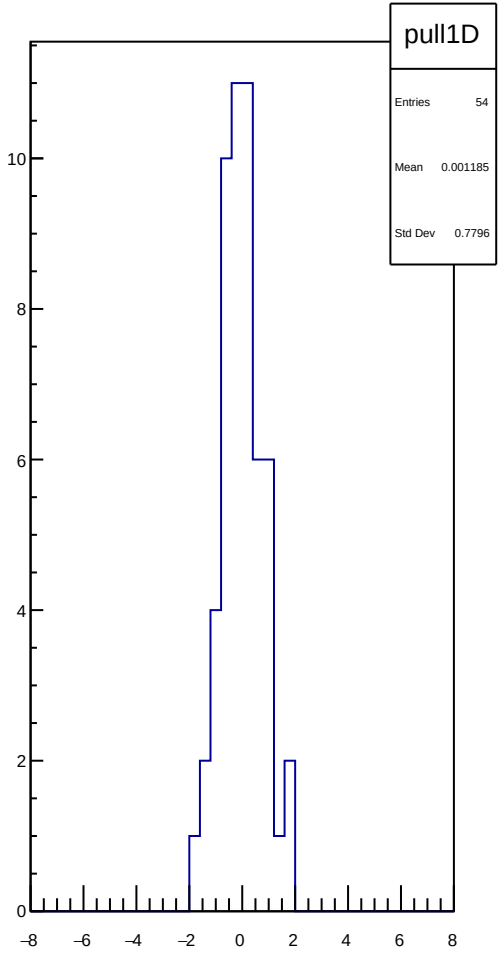

diff_bpm1X_rms vs run
χ² / ndf 1139 / 53
p0 8376 ± 8.054
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

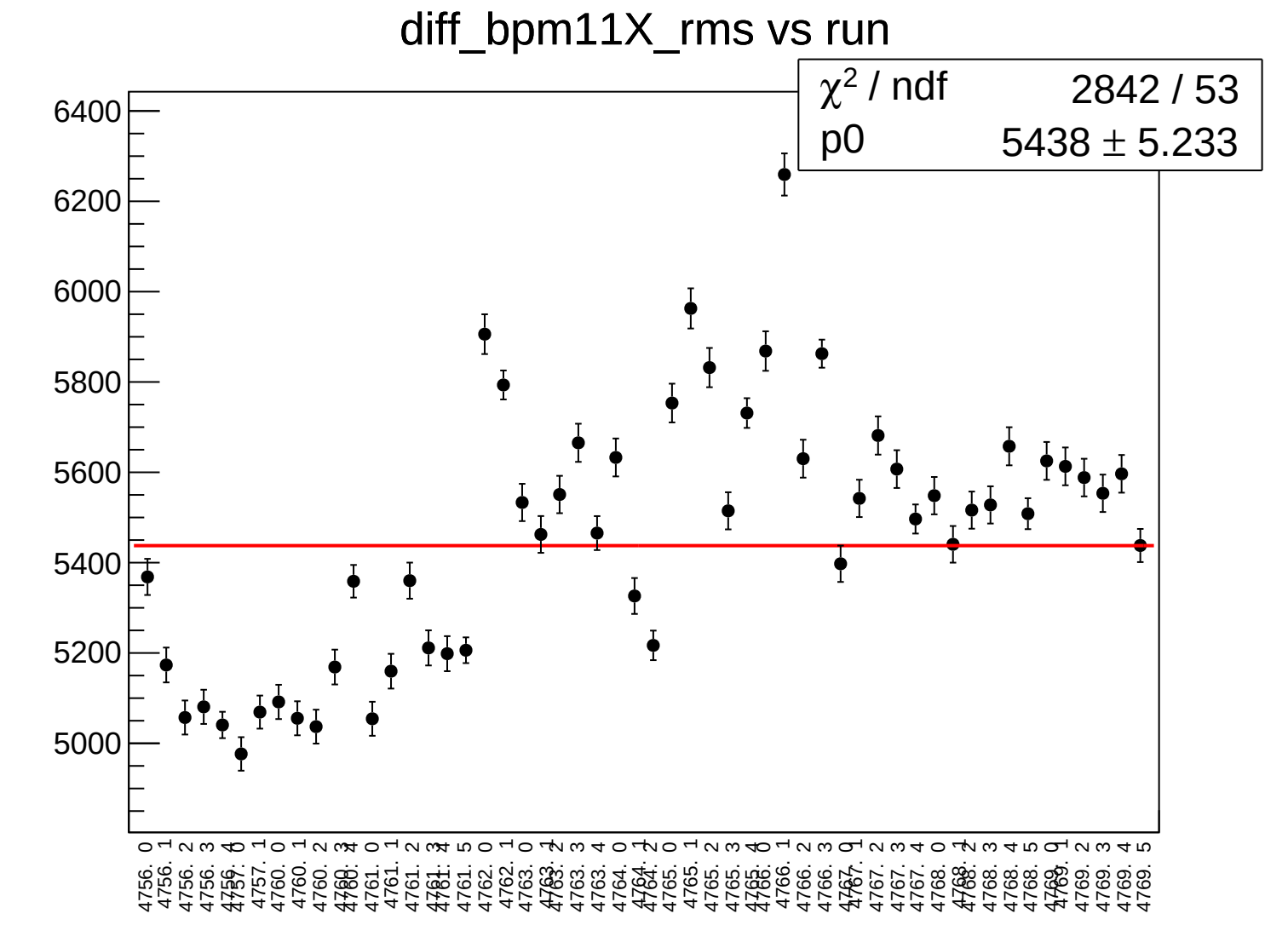

diff_bpm1Y_mean vs run
χ² / ndf 37.05 / 53
p0 2.381 ± 4.323
100
50
0
−50
−100
pull
Entries 54
Mean −265.2
Std Dev 287.2
2
1.5
1
0.5
0
−0.5
−1
−1.5

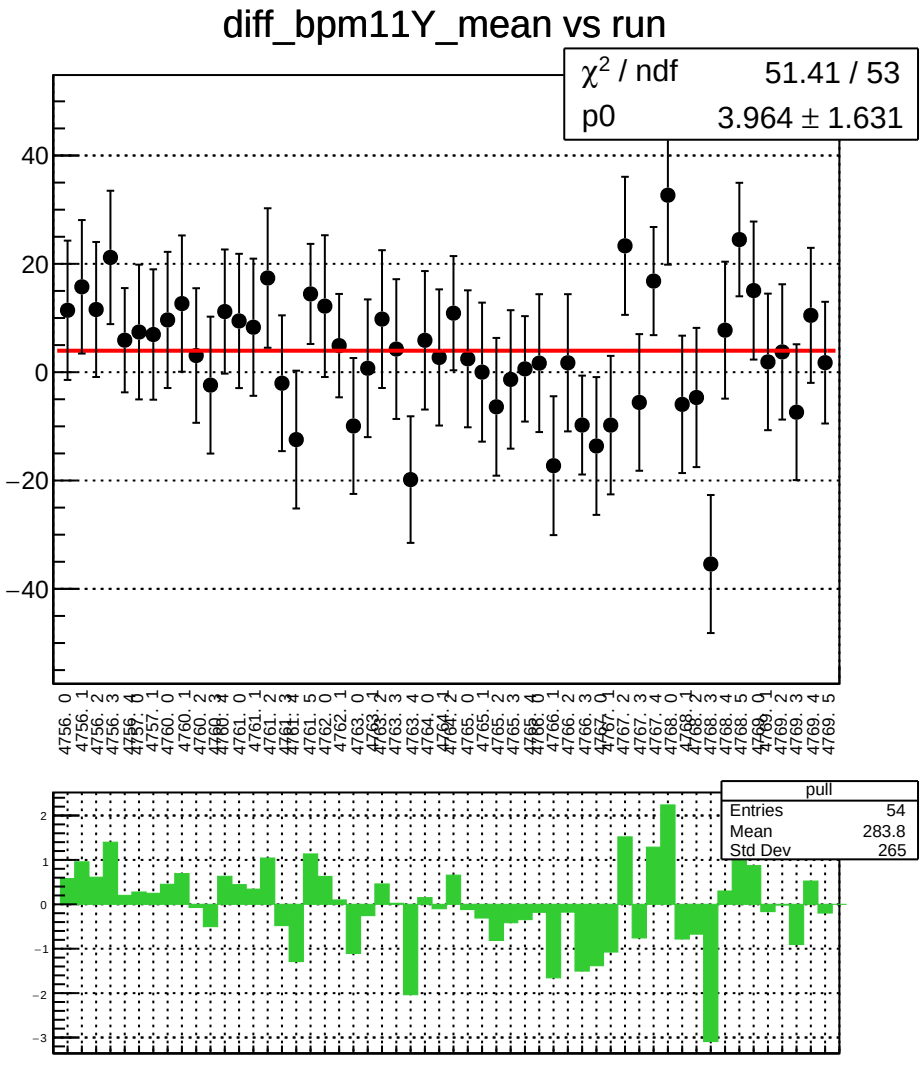

pull1D
Entries 54
Mean 0.007709
Std Dev 0.8283
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

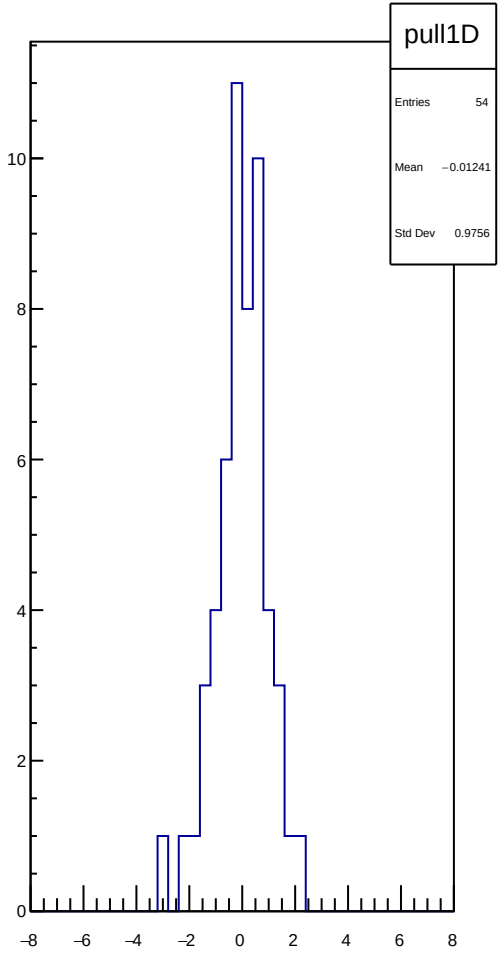

diff_bpm1Y_rms vs run
χ² / ndf 6729 / 53
p0 3171 ± 3.057
3600
3400
3200
3000
2800
2600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

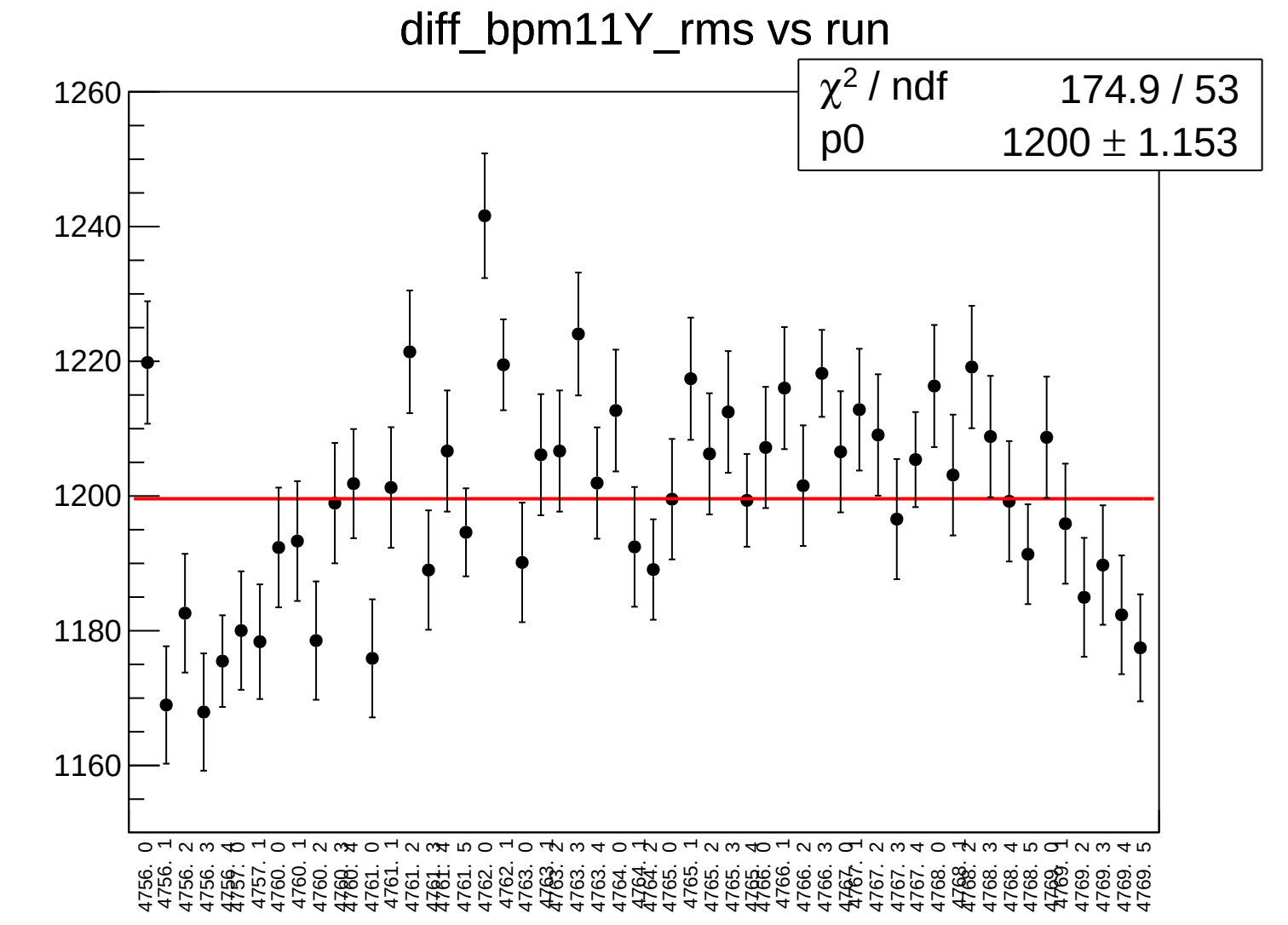

diff_bpm11X_mean vs run
χ² / ndf 32.82 / 53
p0 24.7 ± 7.4
pull
Entries 54
Mean −484.2
Std Dev 498.6

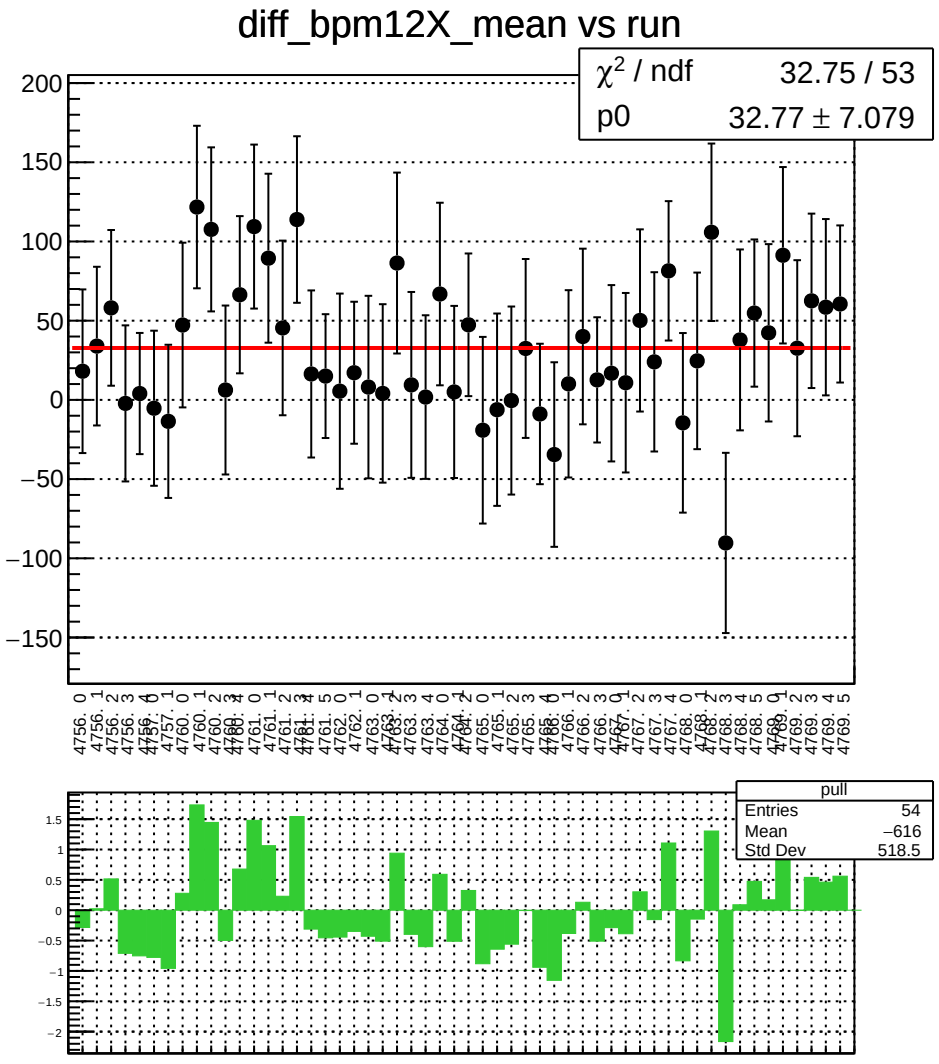

pull1D
Entries 54
Mean 0.001185
Std Dev 0.7796

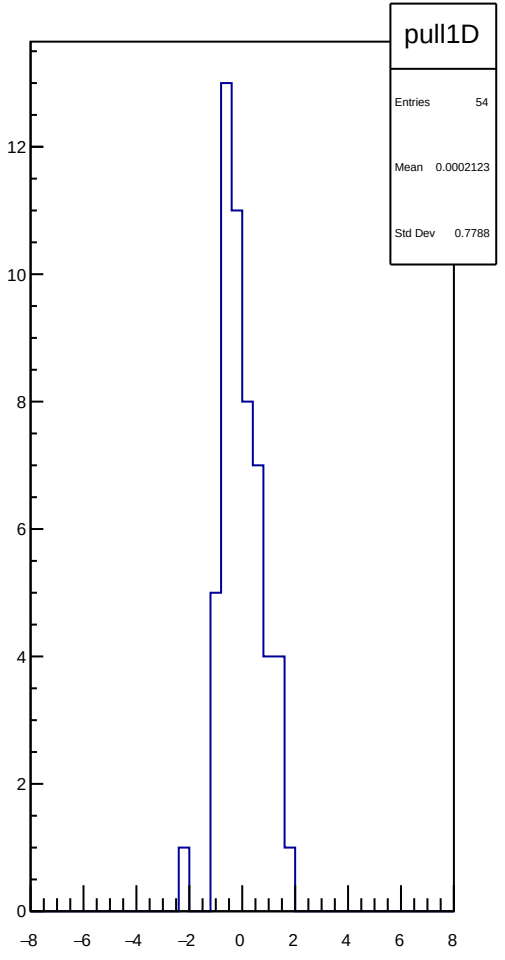

diff_bpm11X_rms vs run
χ² / ndf 2842 / 53
p0 5438 ± 5.233
6400
6200
6000
5800
5600
5400
5200
5000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

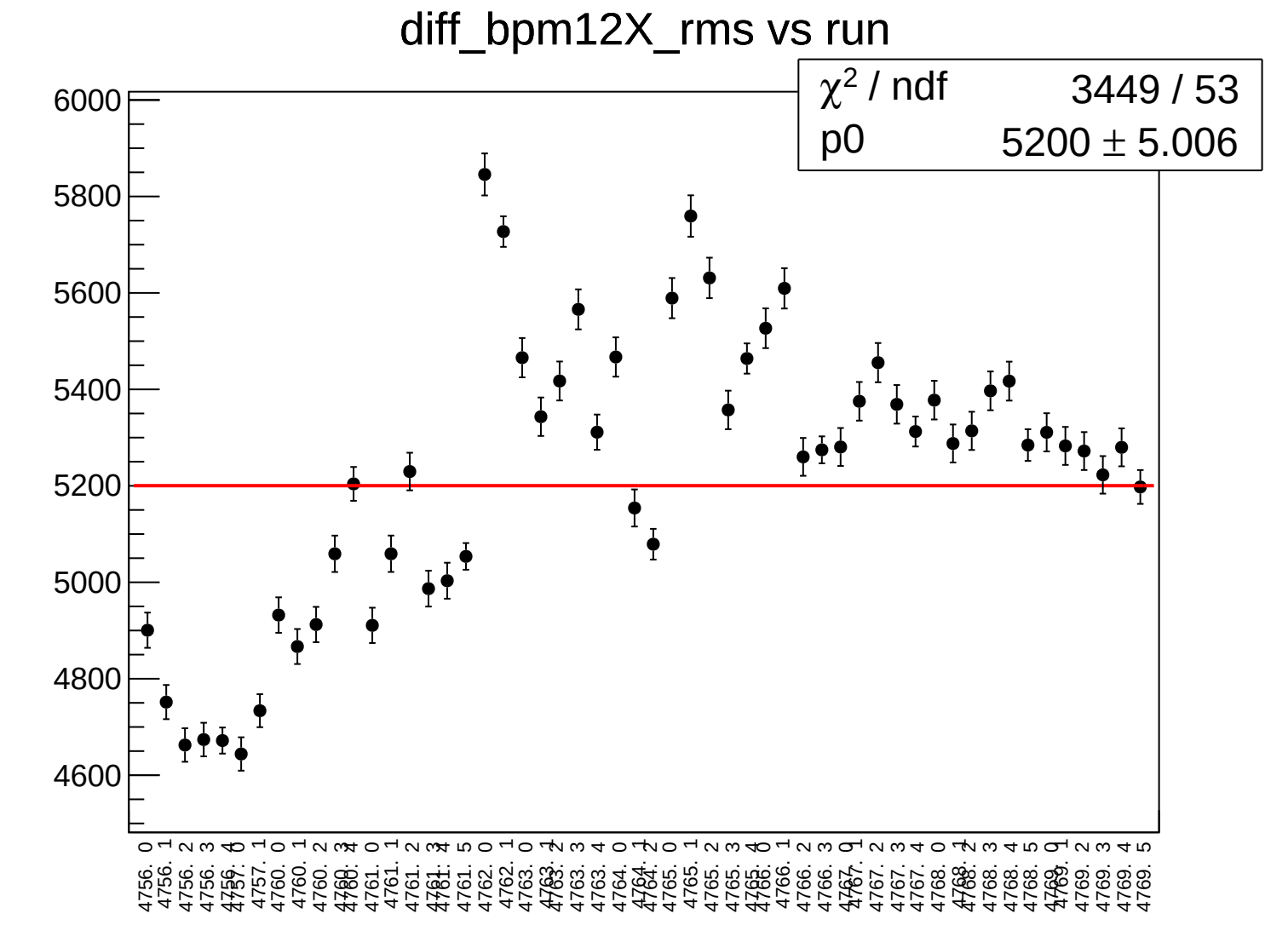

diff_bpm11Y_mean vs run
χ² / ndf 51.41 / 53
p0 3.964 ± 1.631
40
20
0
−20
−40
pull
Entries 54
Mean 283.8
Std Dev 265
2
1
0
−1
−2
−3

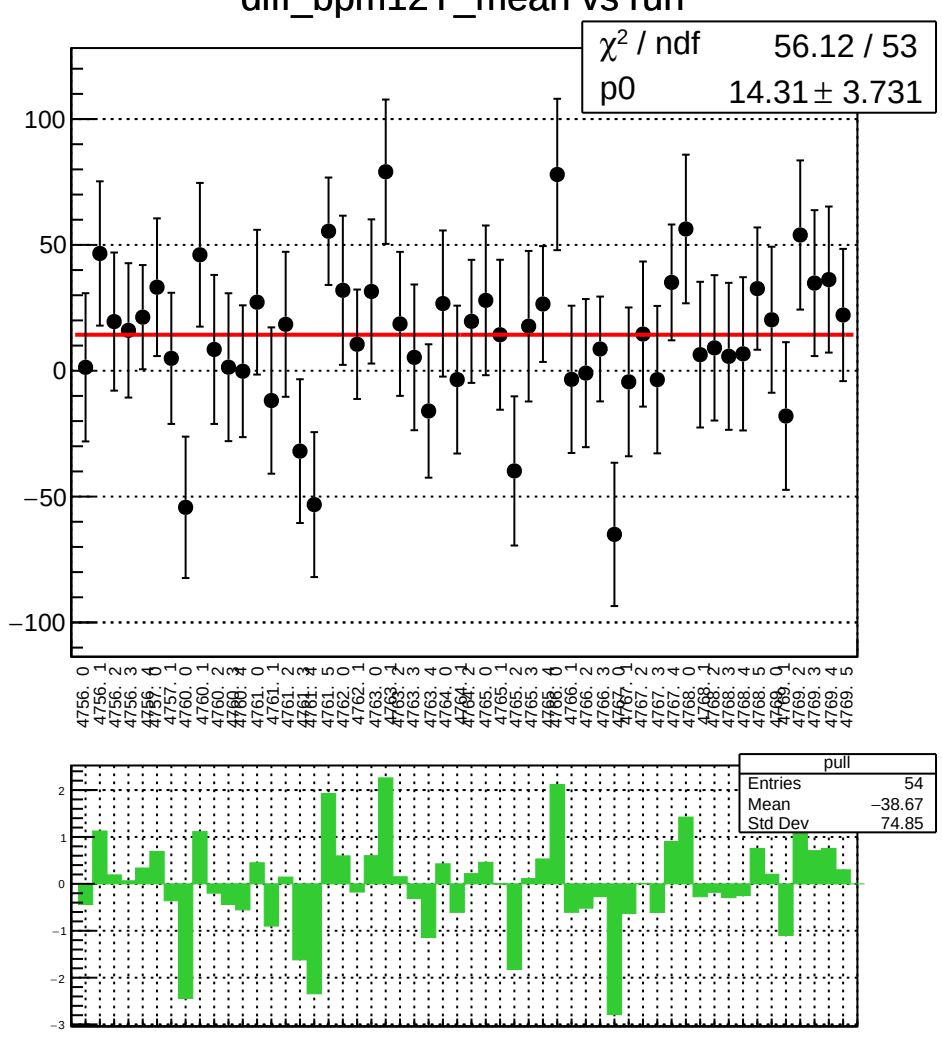

pull1D
Entries 54
Mean −0.01241
Std Dev 0.9756
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

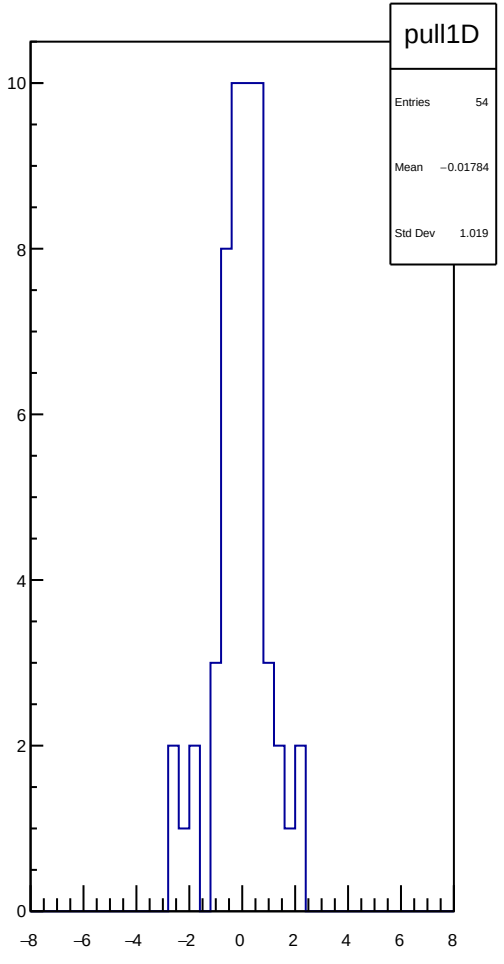

diff_bpm11Y_rms vs run
χ² / ndf 174.9 / 53
p0 1200 ± 1.153
1260
1240
1220
1200
1180
1160
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

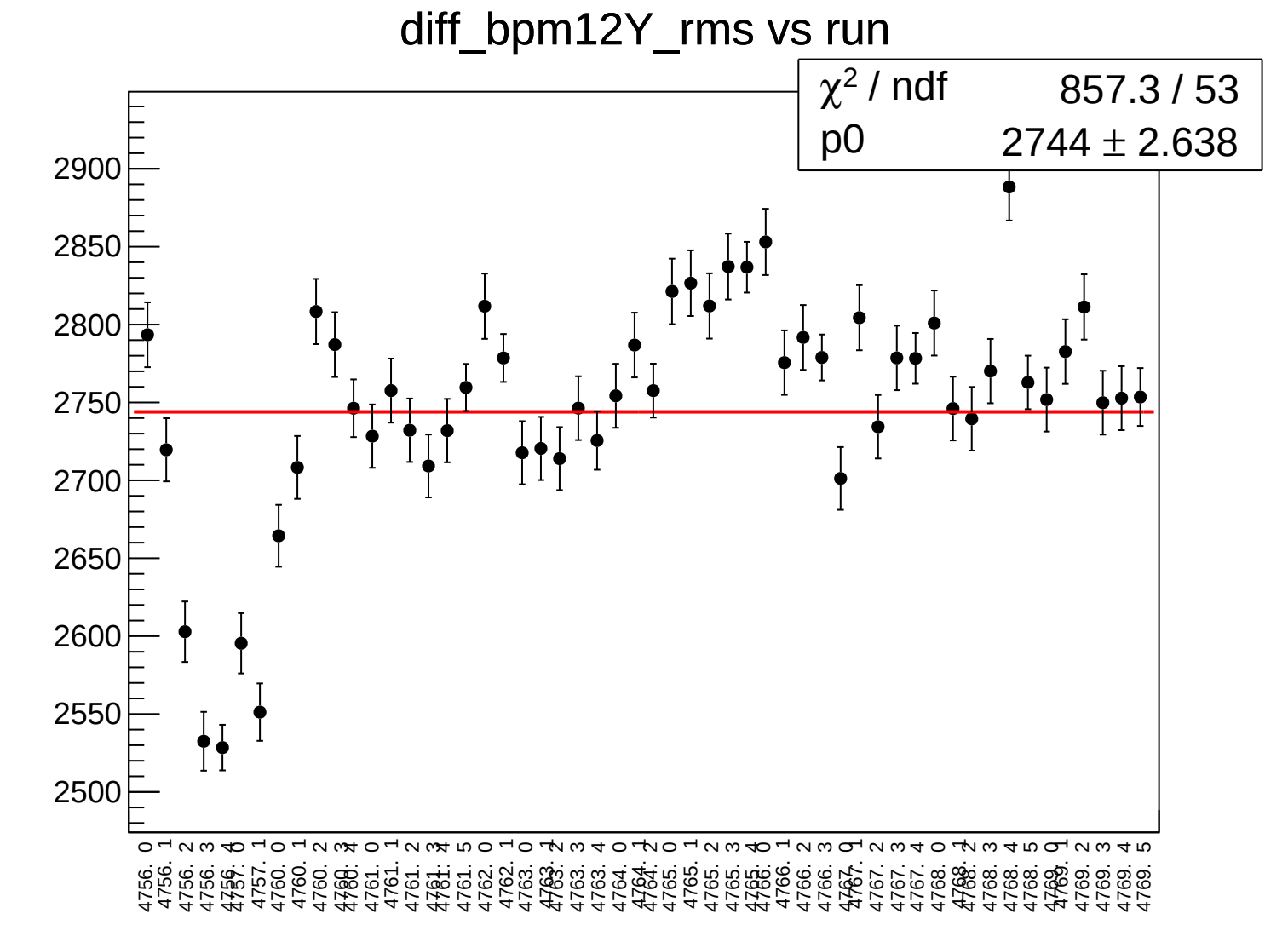

diff_bpm12X_mean vs run
χ² / ndf 32.75 / 53
p0 32.77 ± 7.079
pull
Entries 54
Mean −616
Std Dev 518.5

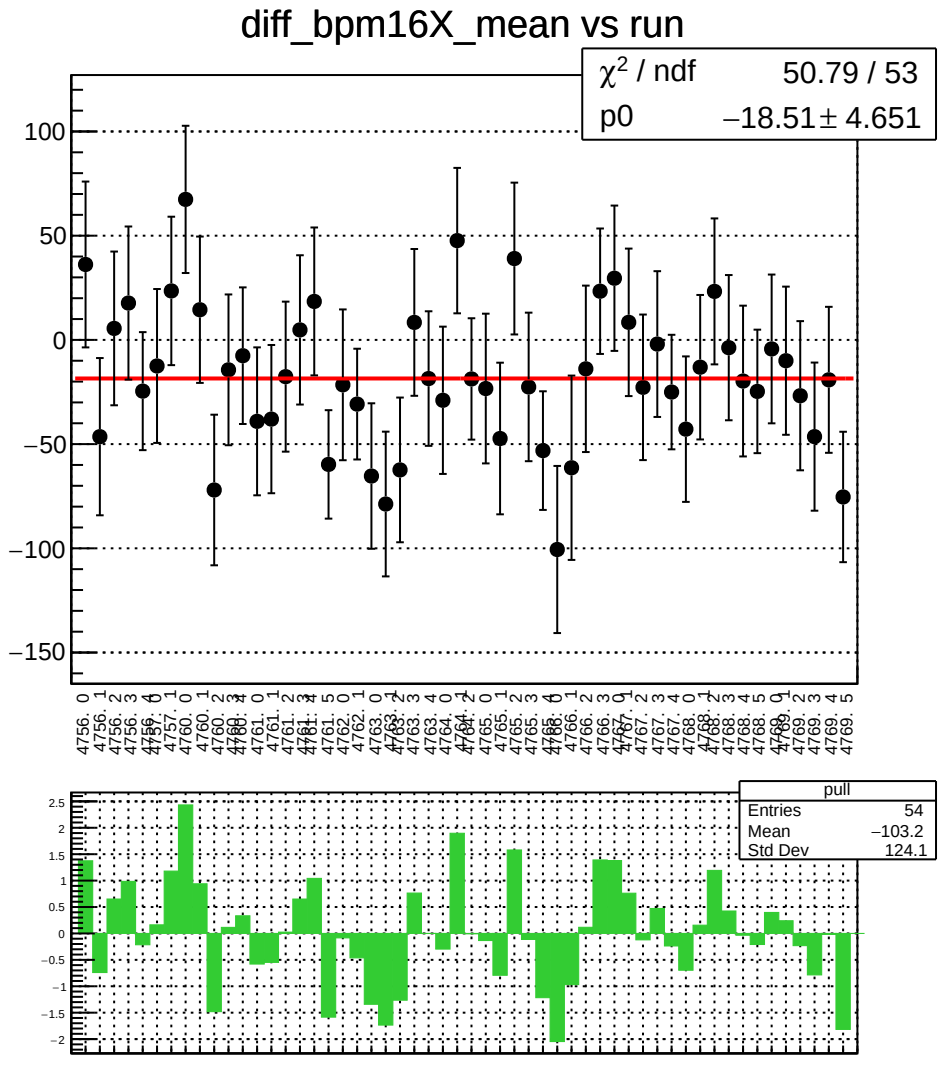

pull1D
Entries 54
Mean 0.0002123
Std Dev 0.7788

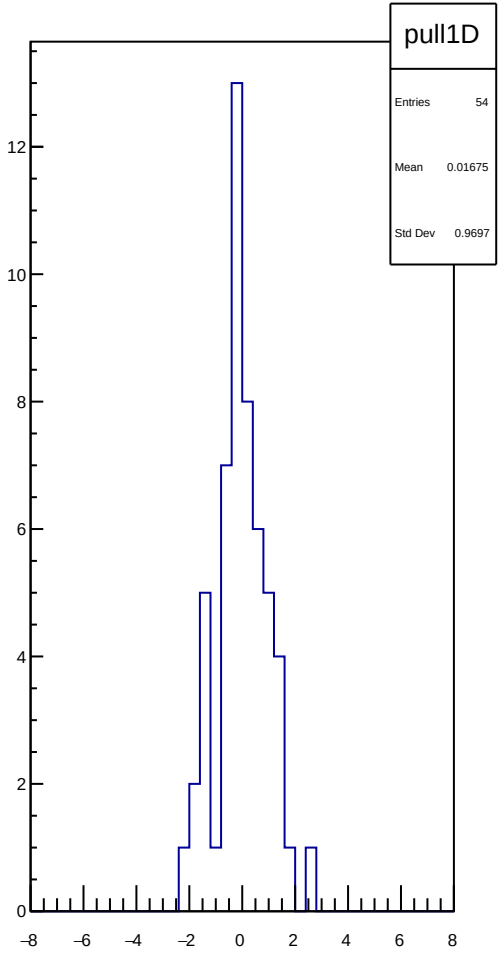

diff_bpm12X_rms vs run
χ² / ndf 3449 / 53
p0 5200 ± 5.006
6000
5800
5600
5400
5200
5000
4800
4600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

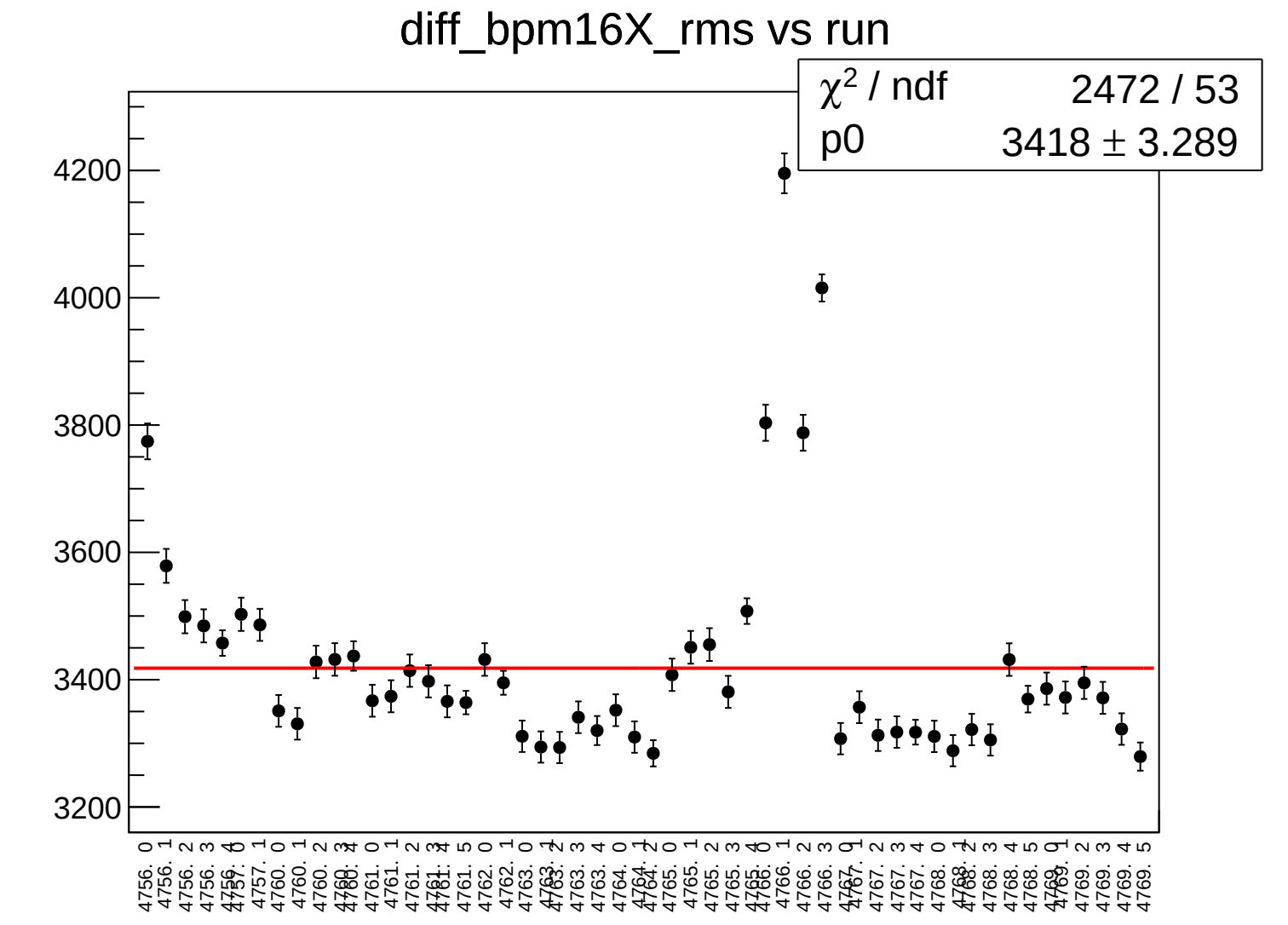

diff_bpm12Y_mean vs run
χ² / ndf 56.12 / 53
p0 14.31 ± 3.731
pull
Entries 54
Mean −38.67
Std Dev 74.85

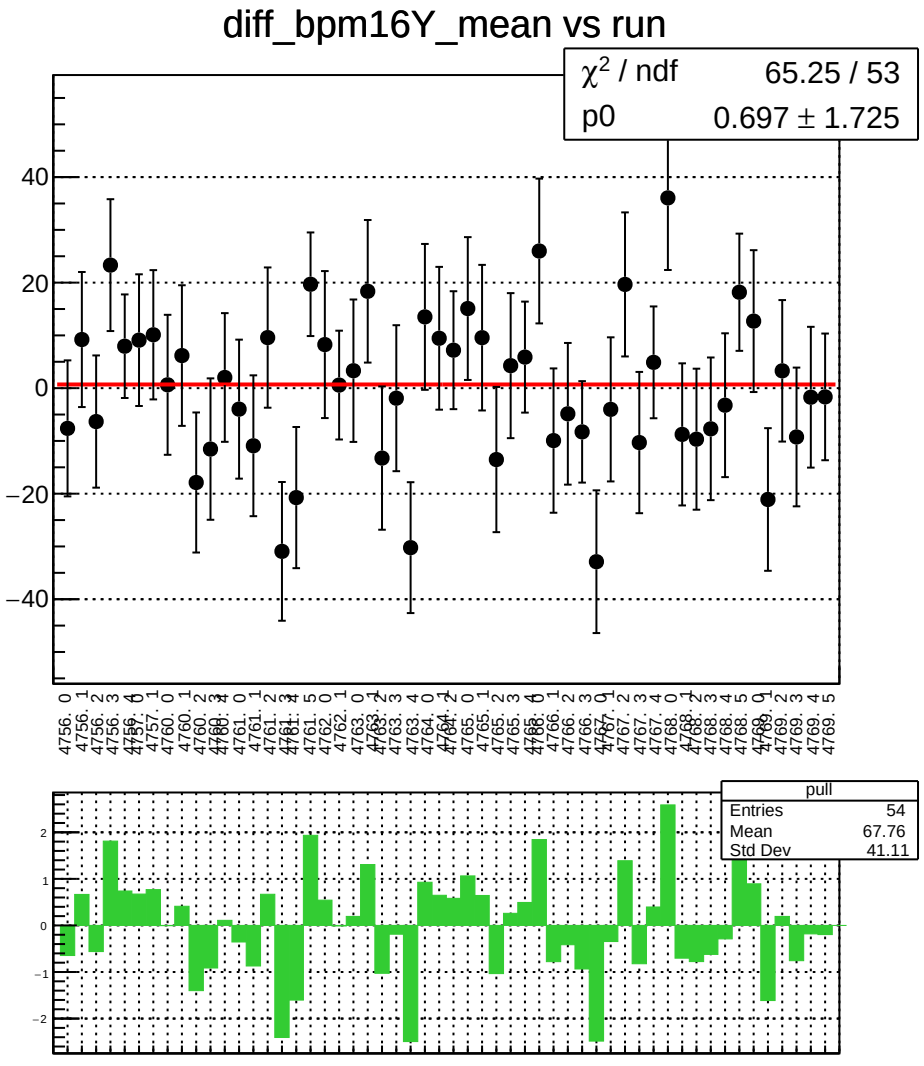

pull1D
Entries 54
Mean −0.01784
Std Dev 1.019

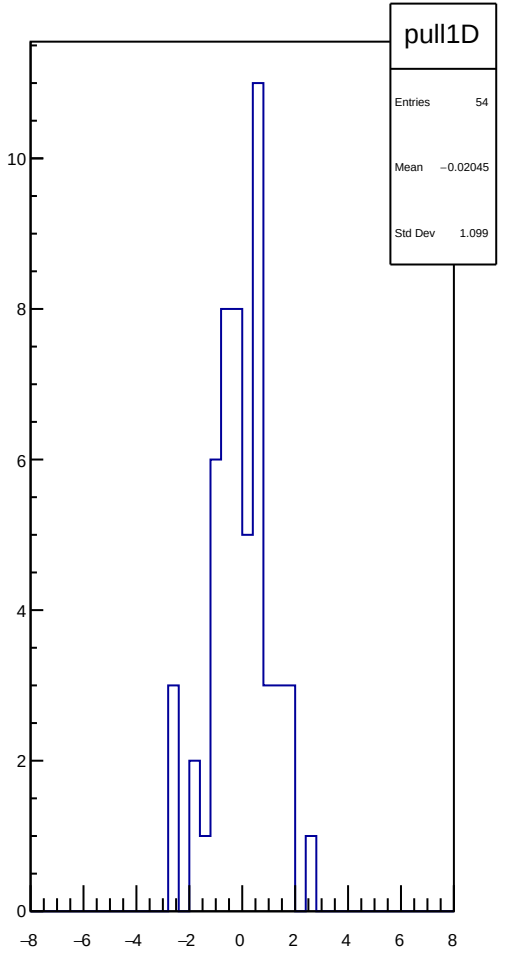

diff_bpm12Y_rms vs run
χ² / ndf 857.3 / 53
p0 2744 ± 2.638
2900
2850
2800
2750
2700
2650
2600
2550
2500
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

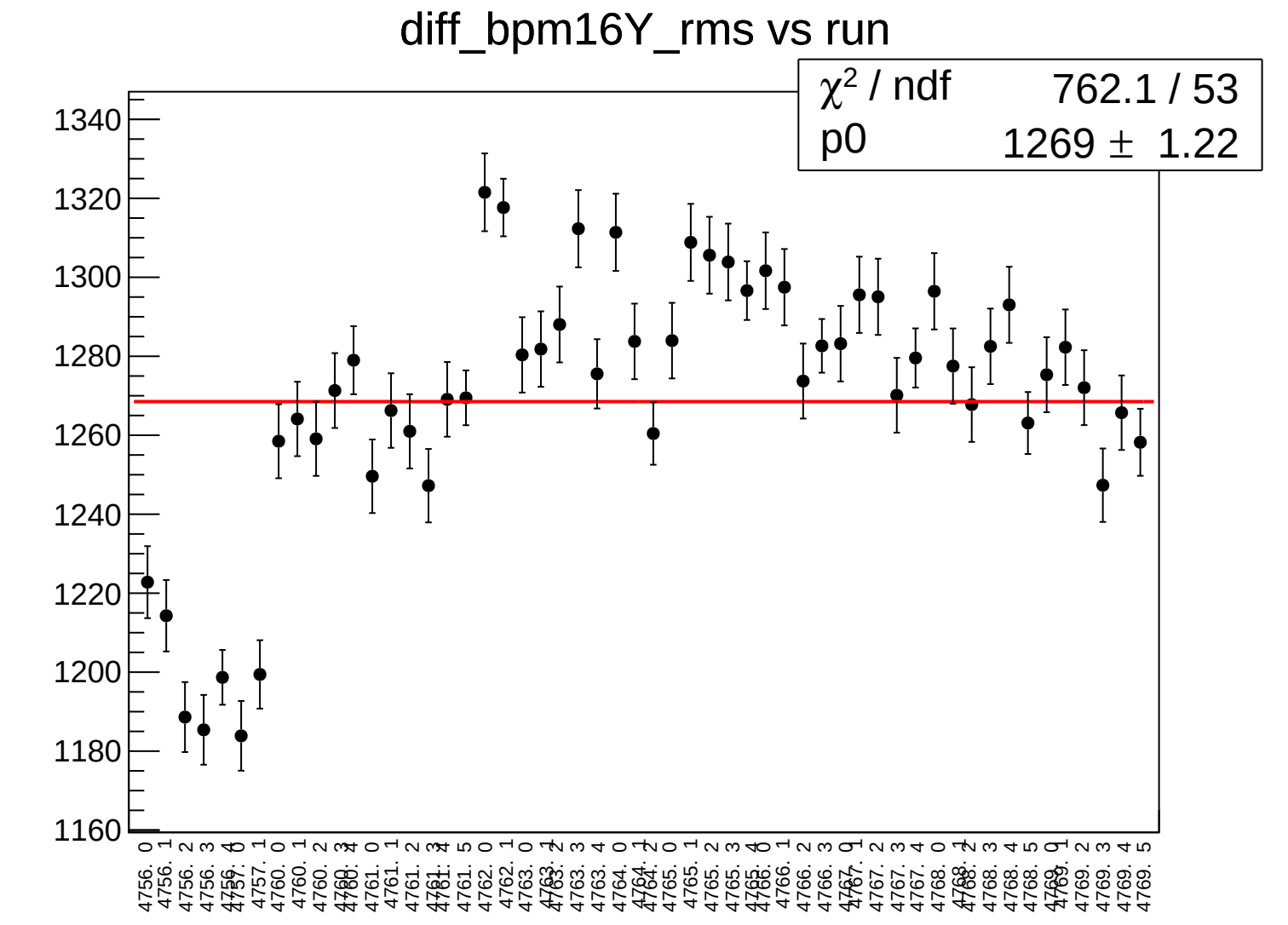

diff_bpm16X_mean vs run
χ² / ndf 50.79 / 53
p0 −18.51 ± 4.651
pull
Entries 54
Mean −103.2
Std Dev 124.1


pull1D
Entries 54
Mean 0.01675
Std Dev 0.9697


diff_bpm16X_rms vs run
χ² / ndf 2472 / 53
p0 3418 ± 3.289
4200
4000
3800
3600
3400
3200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


diff_bpm16Y_mean vs run
χ² / ndf 65.25 / 53
p0 0.697 ± 1.725
pull
Entries 54
Mean 67.76
Std Dev 41.11


pull1D
Entries 54
Mean −0.02045
Std Dev 1.099


diff_bpm16Y_rms vs run
χ² / ndf 762.1 / 53
p0 1269 ± 1.22
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
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4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
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4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
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4767. 2
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4767. 4
4768. 0
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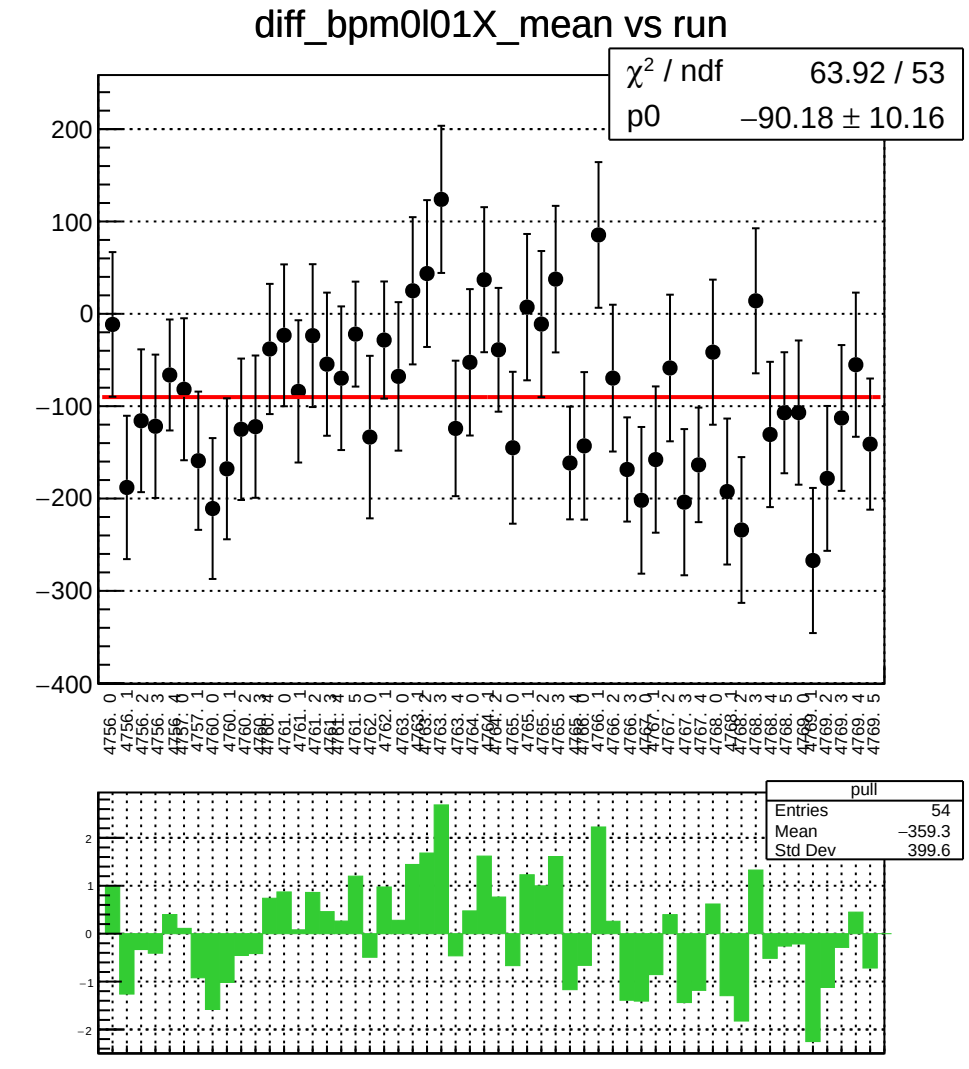
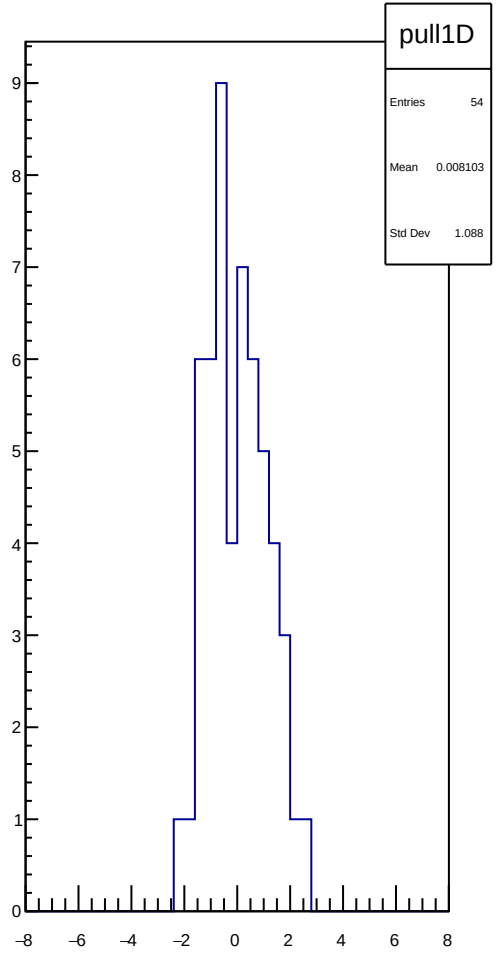
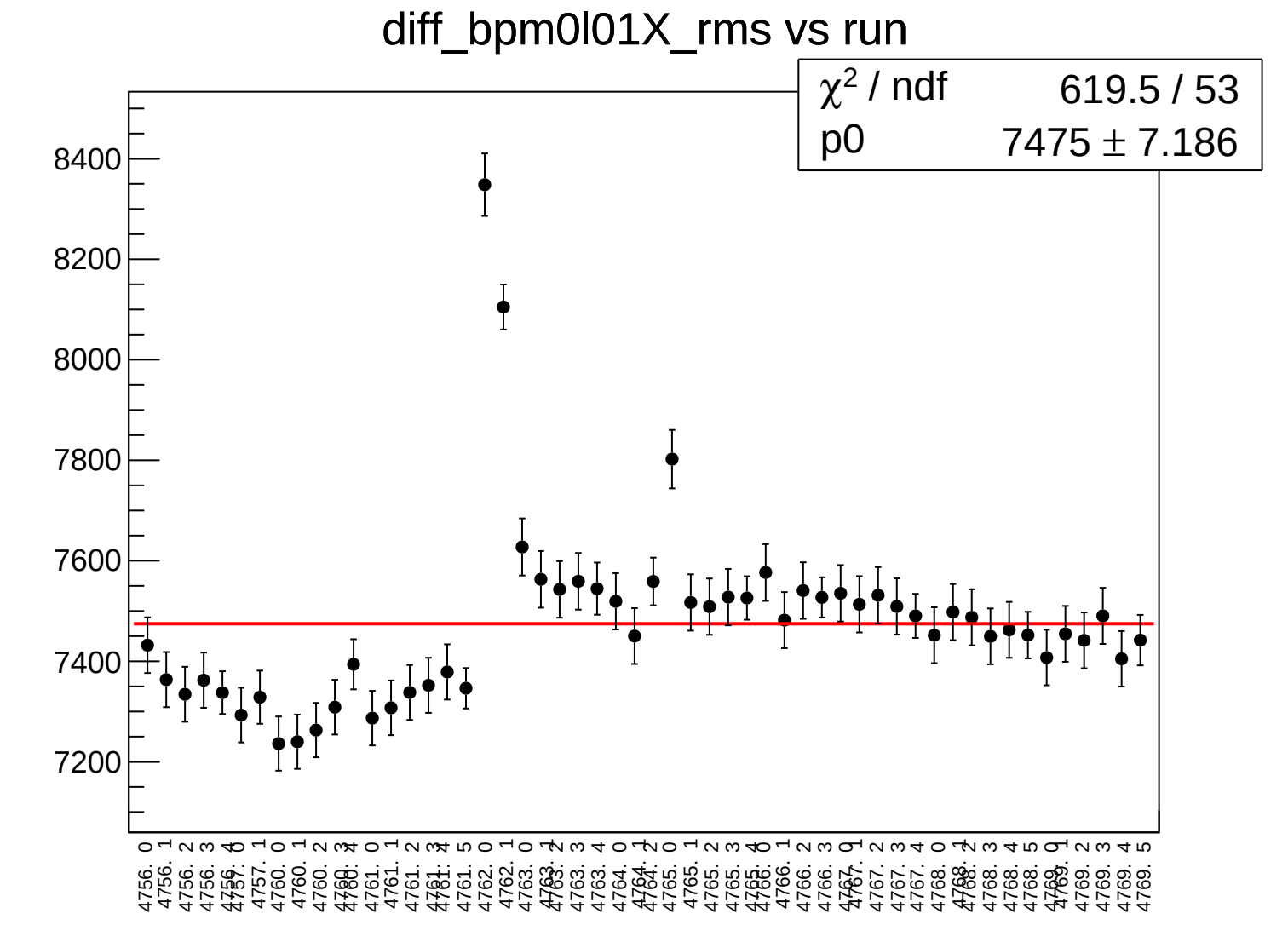
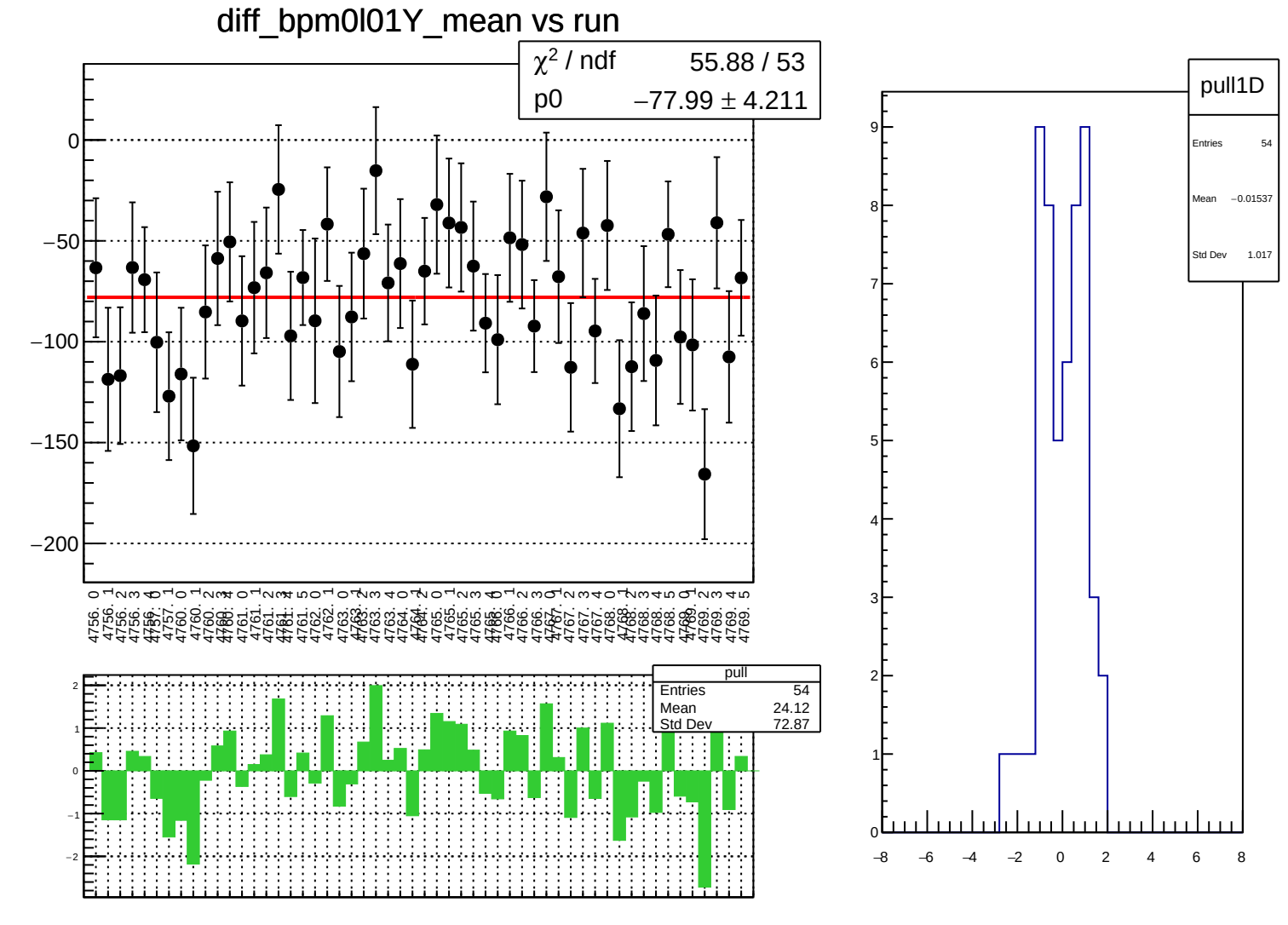
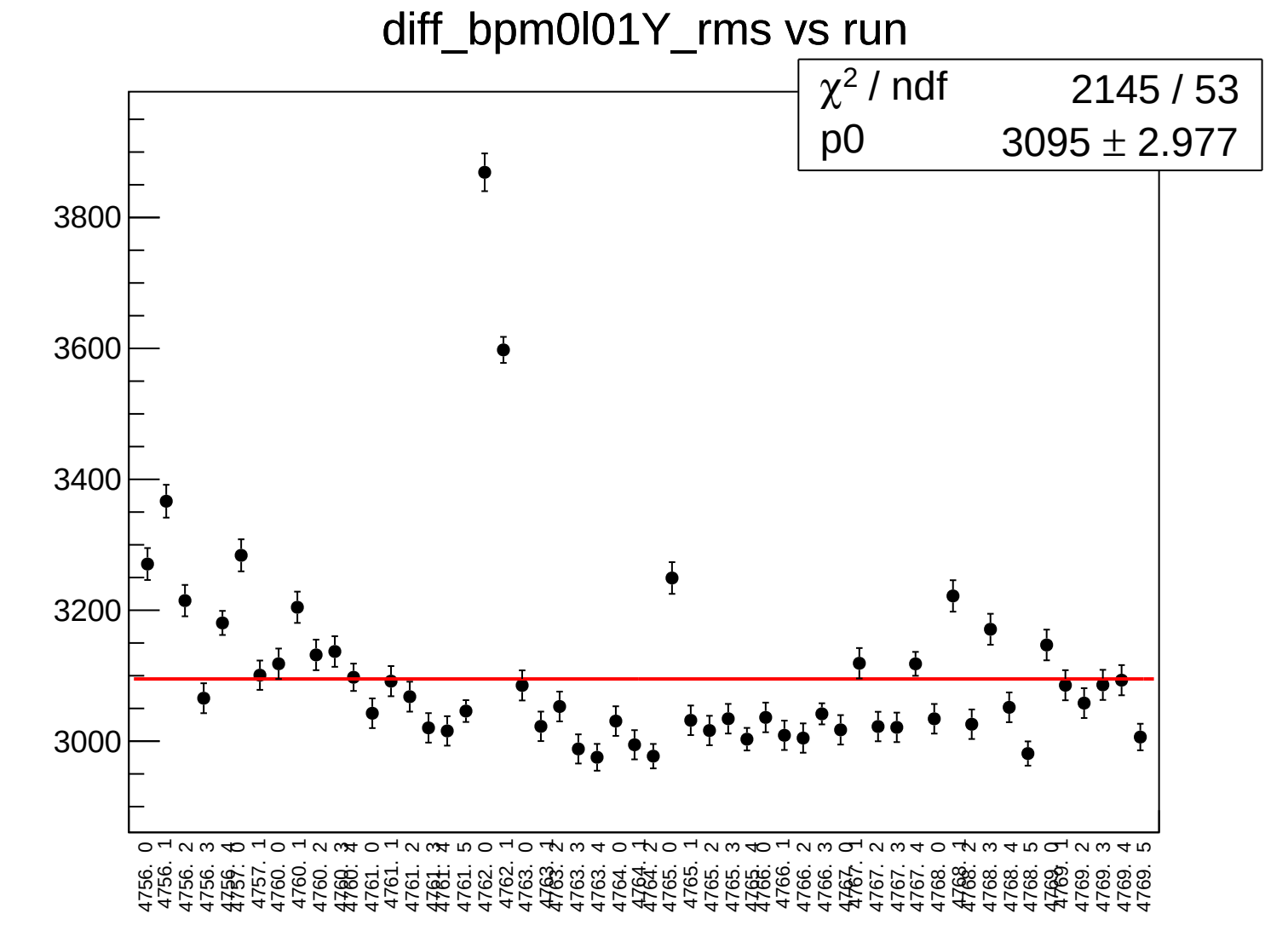
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

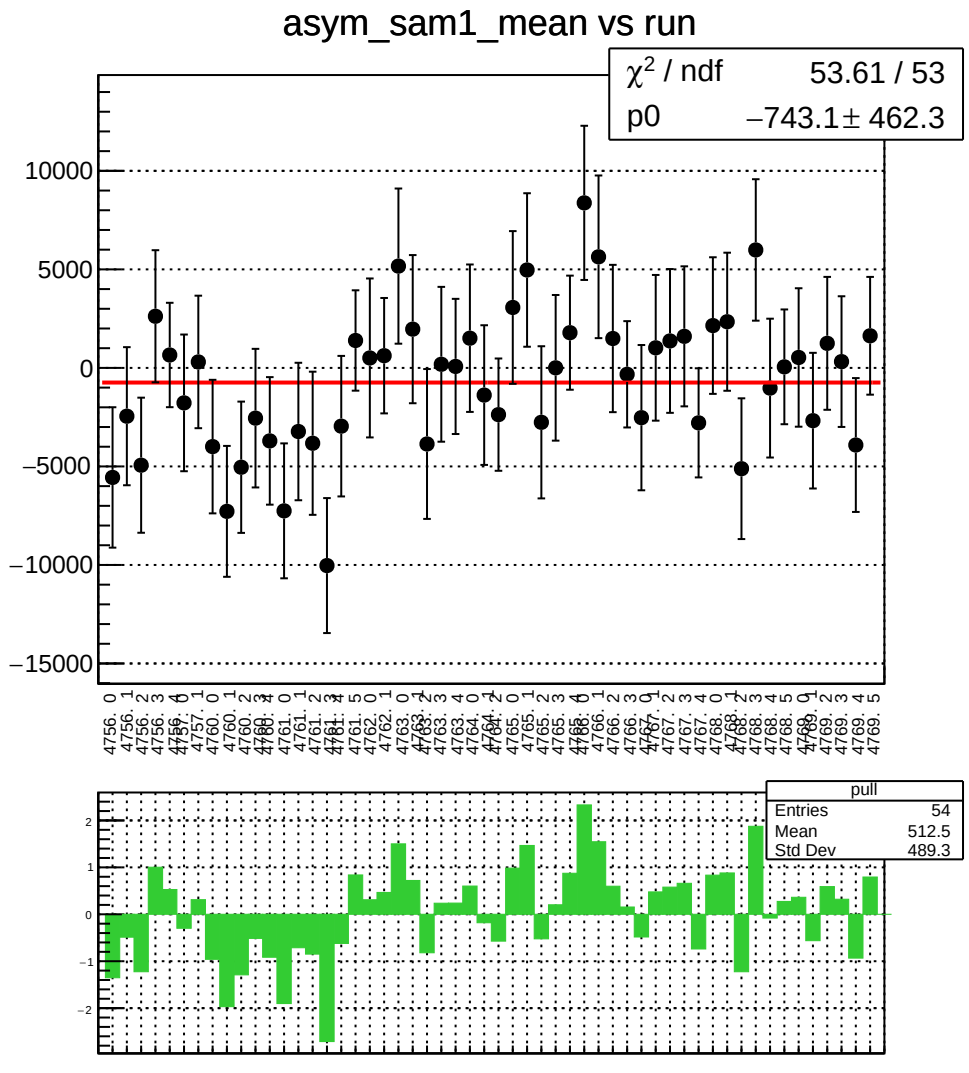

diff_bpm0l01X_mean vs run
χ² / ndf 63.92 / 53
p0 −90.18 ± 10.16
pull
Entries 54
Mean −359.3
Std Dev 399.6

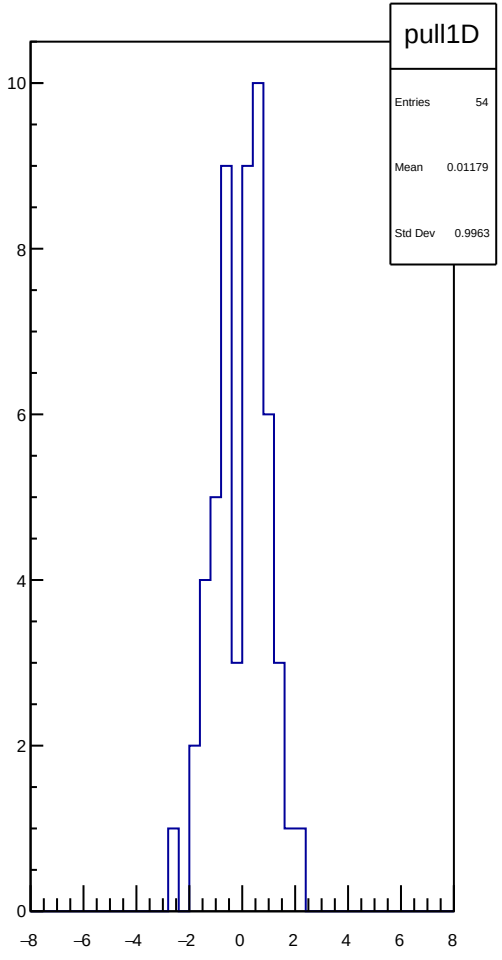

pull1D
Entries 54
Mean 0.008103
Std Dev 1.088

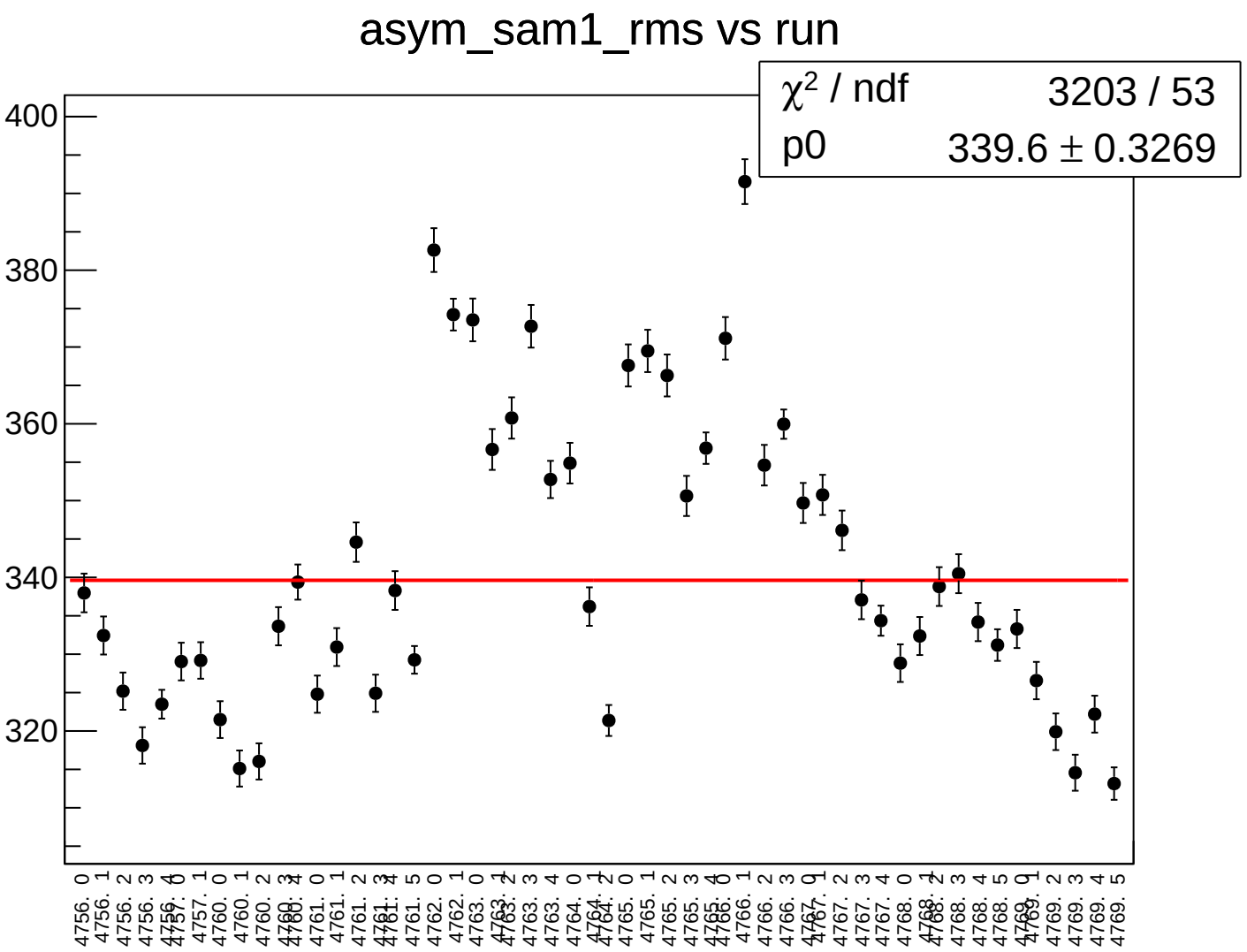

diff_bpm0l01X_rms vs run
χ² / ndf 619.5 / 53
p0 7475 ± 7.186
8400
8200
8000
7800
7600
7400
7200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

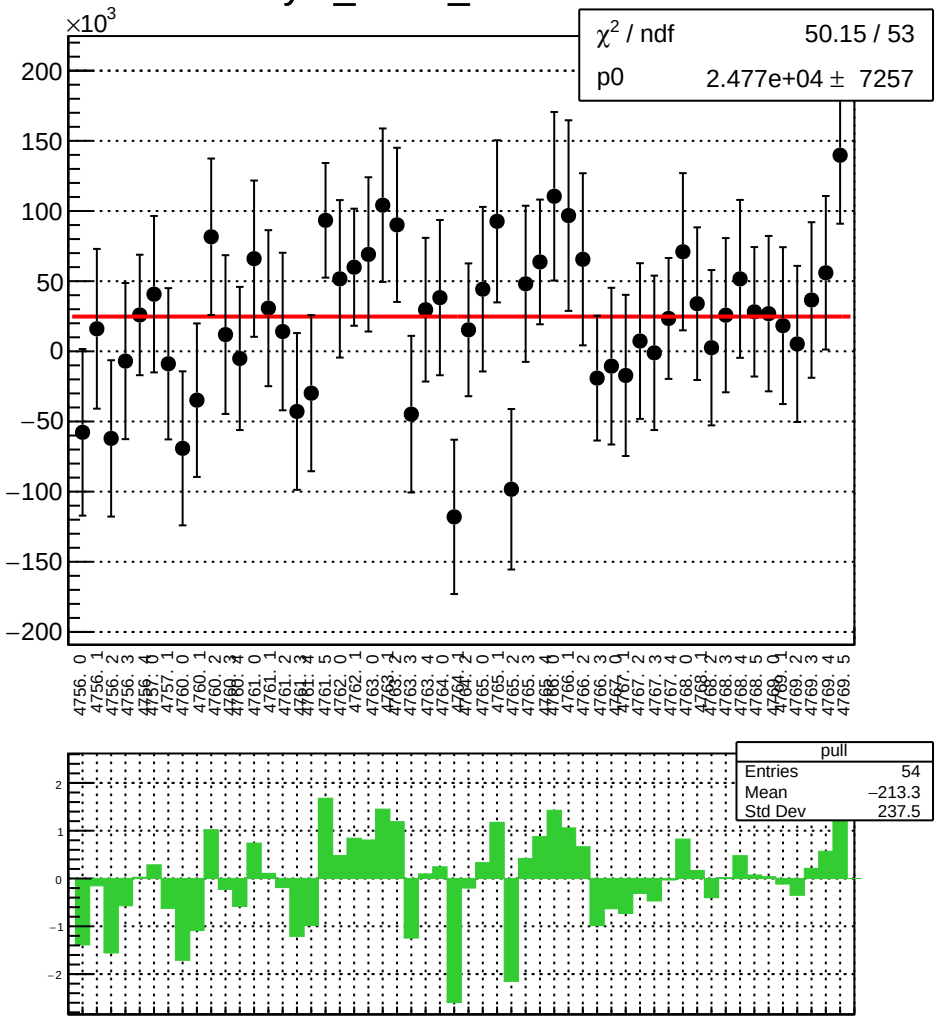

diff_bpm0l01Y_mean vs run
χ² / ndf 55.88 / 53
p0 −77.99 ± 4.211
0
−50
−100
−150
−200
pull
Entries 54
Mean 24.12
Std Dev 72.87
2
1
0
−1
−2
pull1D
Entries 54
Mean −0.01537
Std Dev 1.017
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

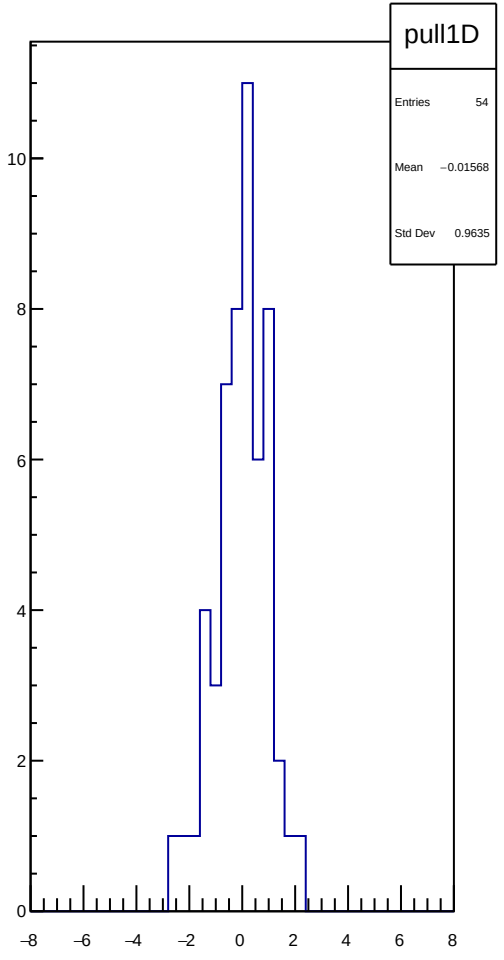

diff_bpm0l01Y_rms vs run
χ² / ndf 2145 / 53
p0 3095 ± 2.977
3800
3600
3400
3200
3000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

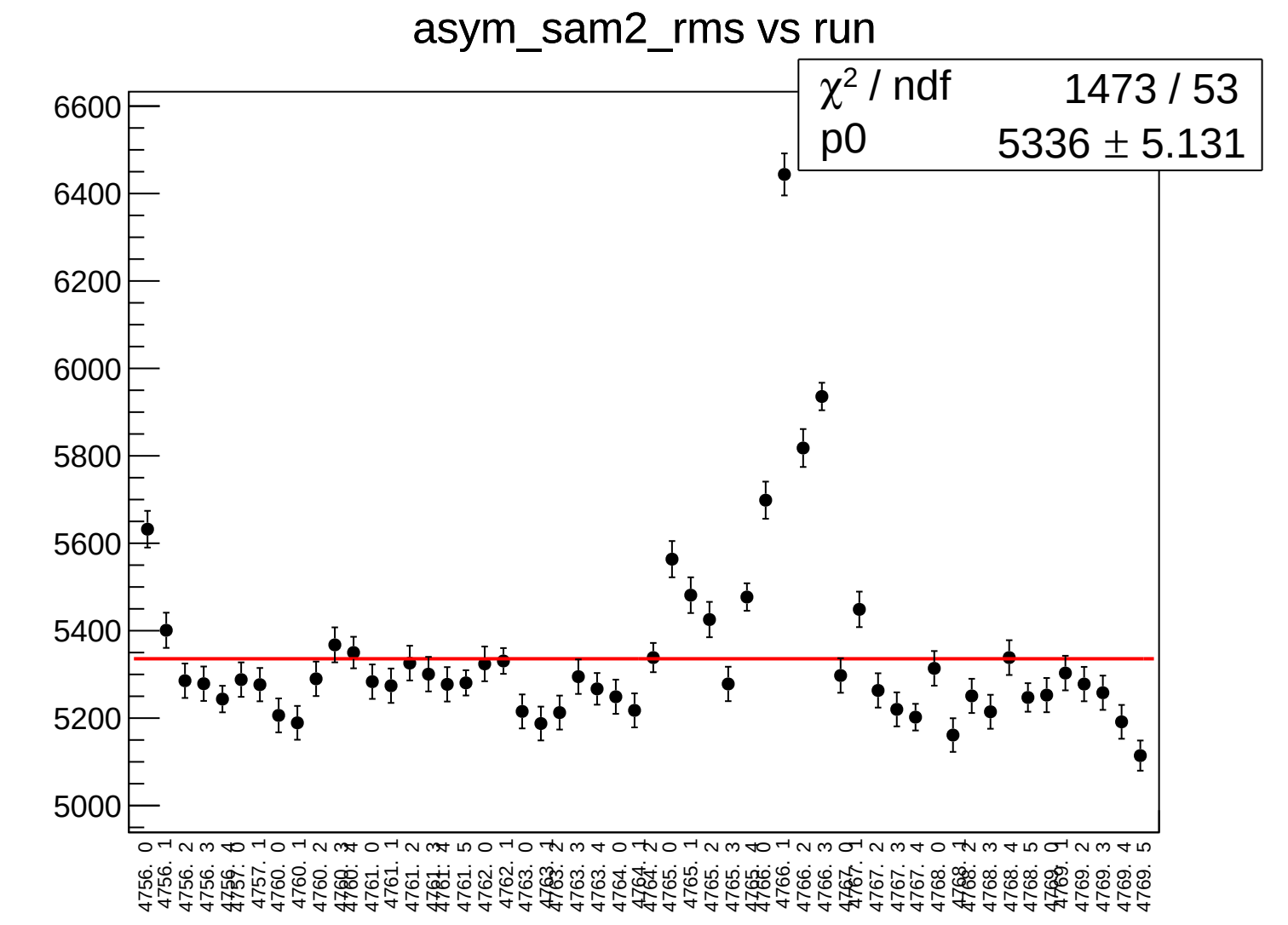

asym_sam1_mean vs run
χ² / ndf 53.61 / 53
p0 −743.1± 462.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 512.5
Std Dev 489.3
2
1
0
−1
−2

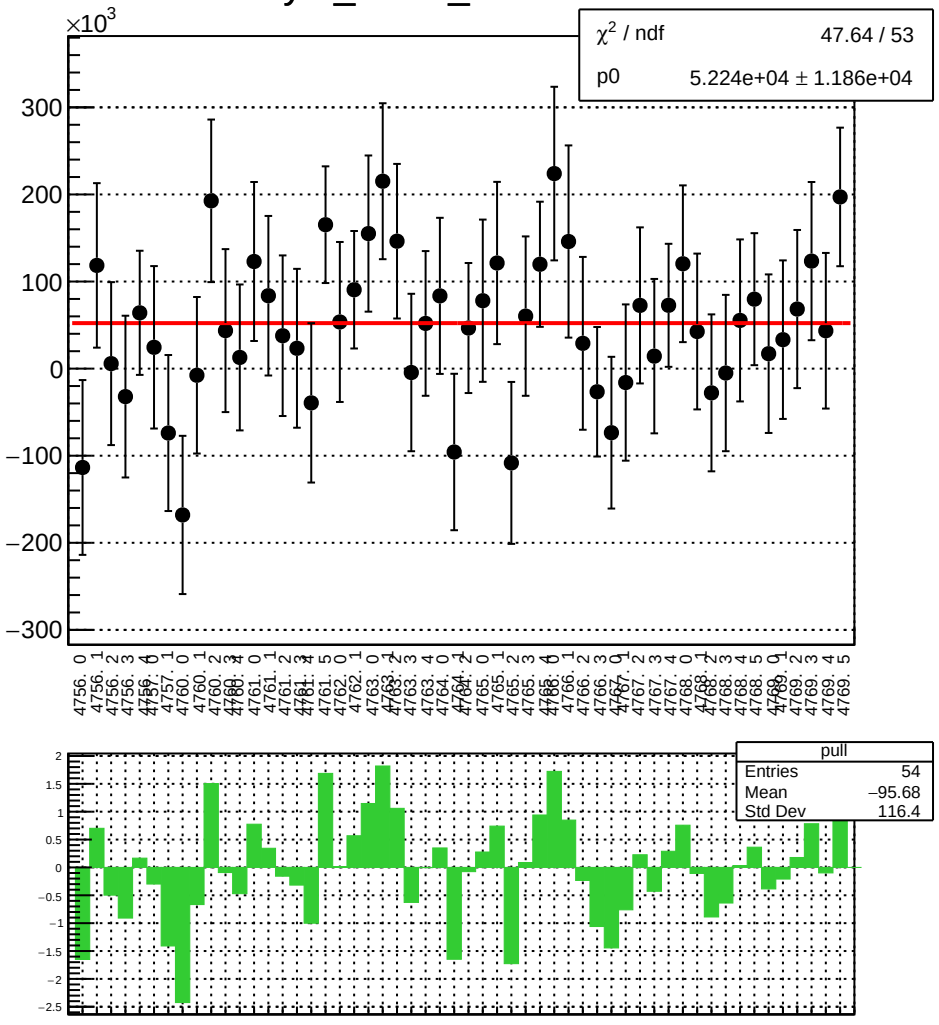

pull1D
Entries 54
Mean 0.01179
Std Dev 0.9963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

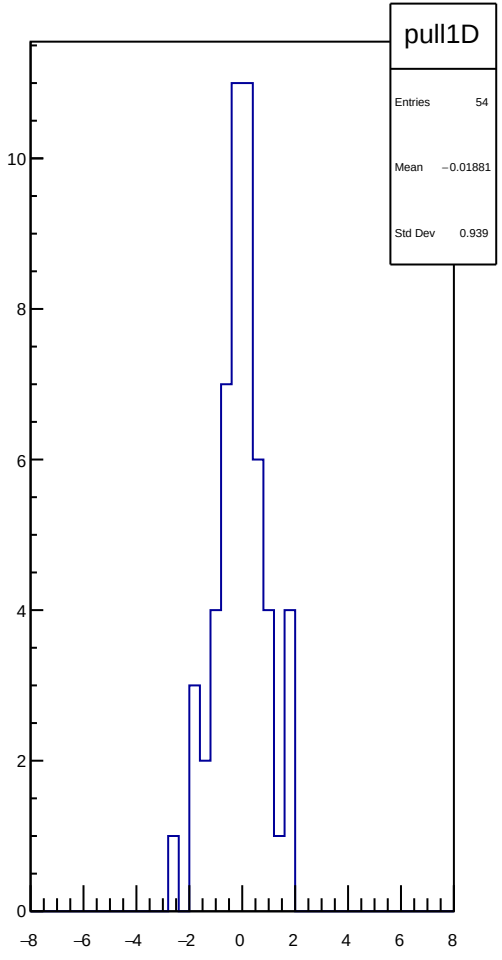

asym_sam1_rms vs run
χ² / ndf 3203 / 53
p0 339.6 ± 0.3269
400
380
360
340
320
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

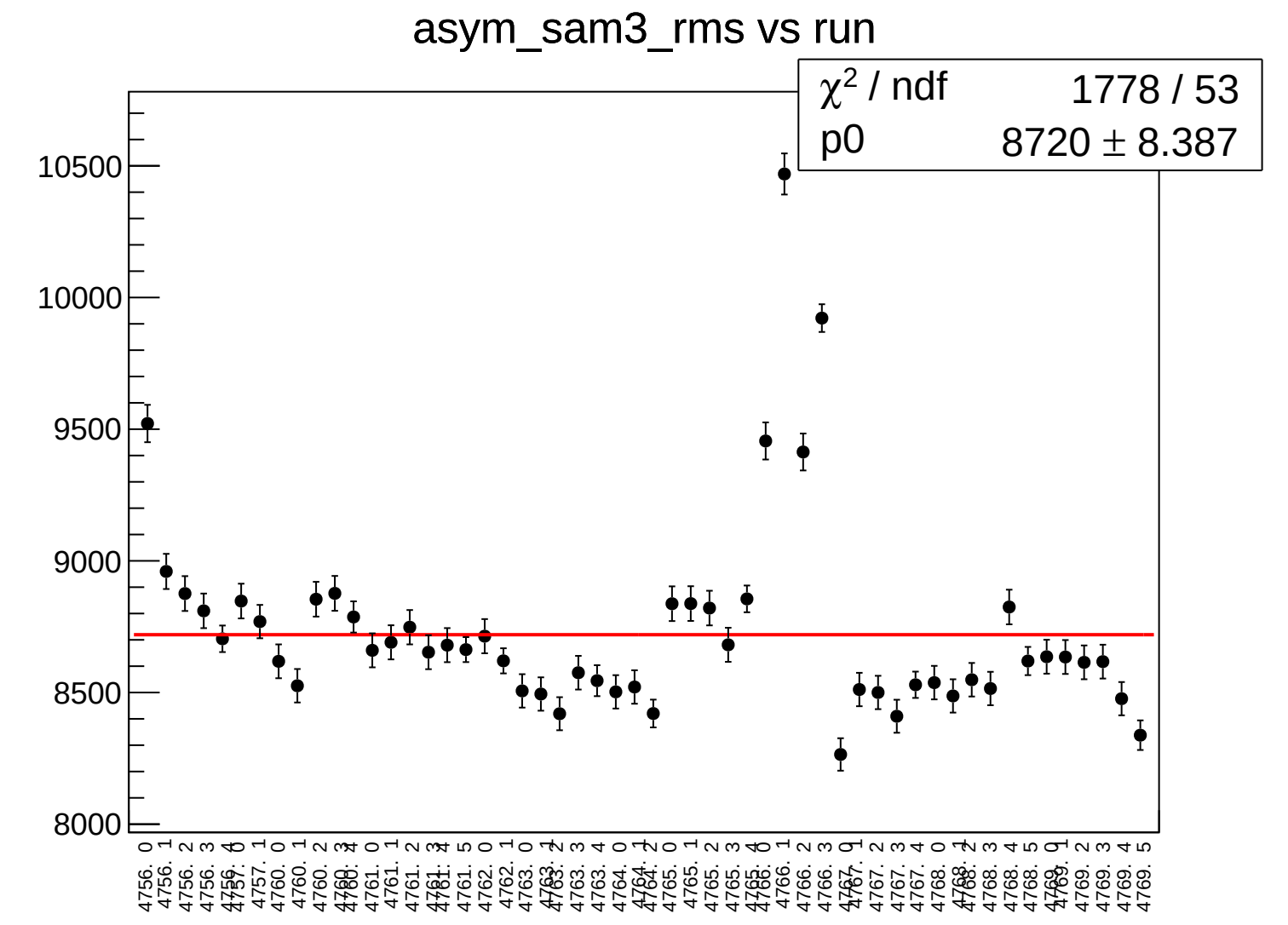

asym_sam2_mean vs run
×10^3
χ² / ndf 50.15 / 53
p0 2.477e+04 ± 7257
pull
Entries 54
Mean −213.3
Std Dev 237.5

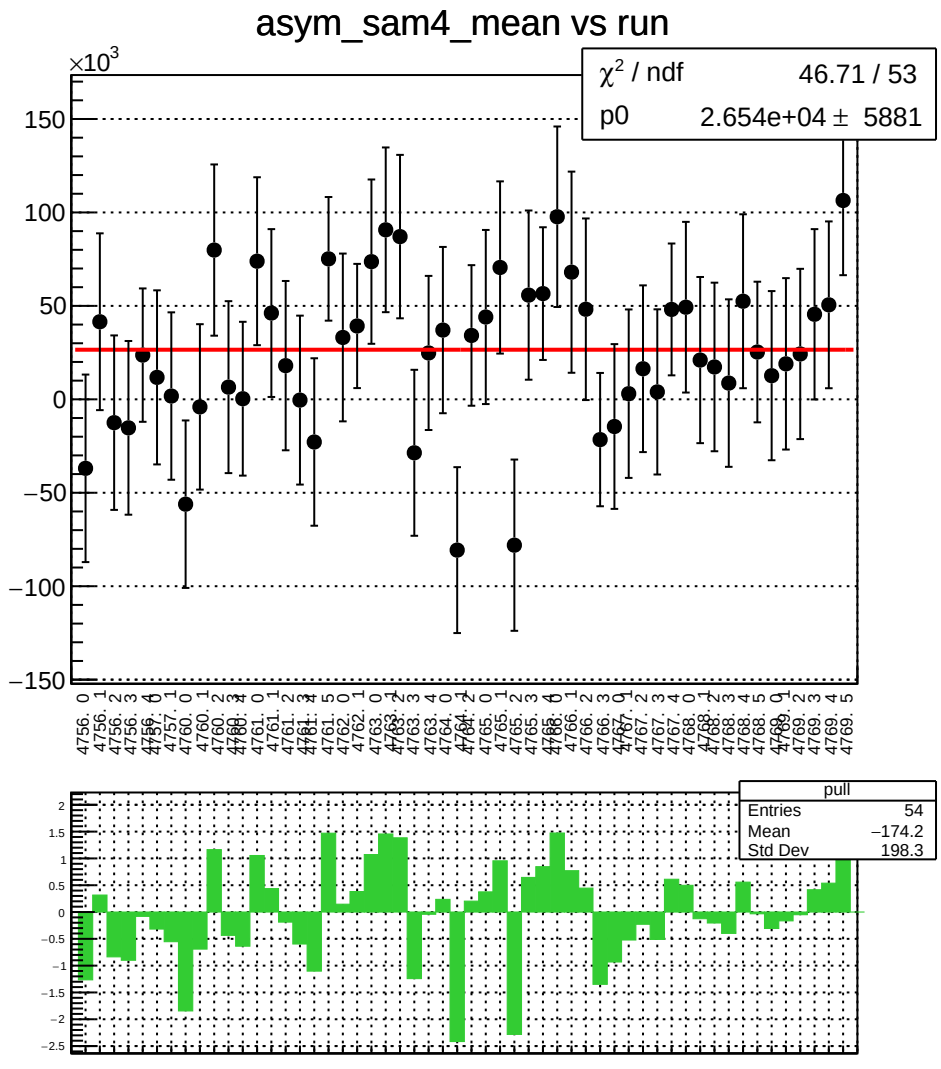

pull1D
Entries 54
Mean −0.01568
Std Dev 0.9635

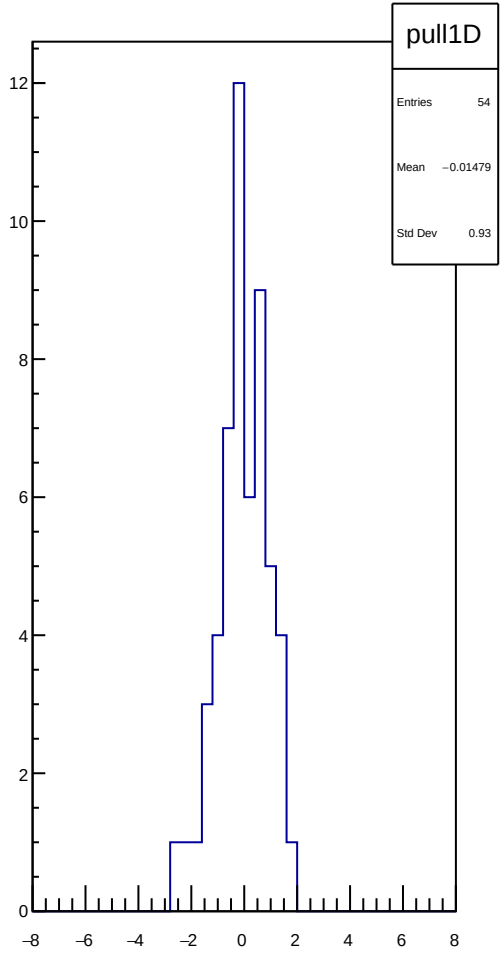

asym_sam2_rms vs run
χ² / ndf 1473 / 53
p0 5336 ± 5.131
6600
6400
6200
6000
5800
5600
5400
5200
5000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

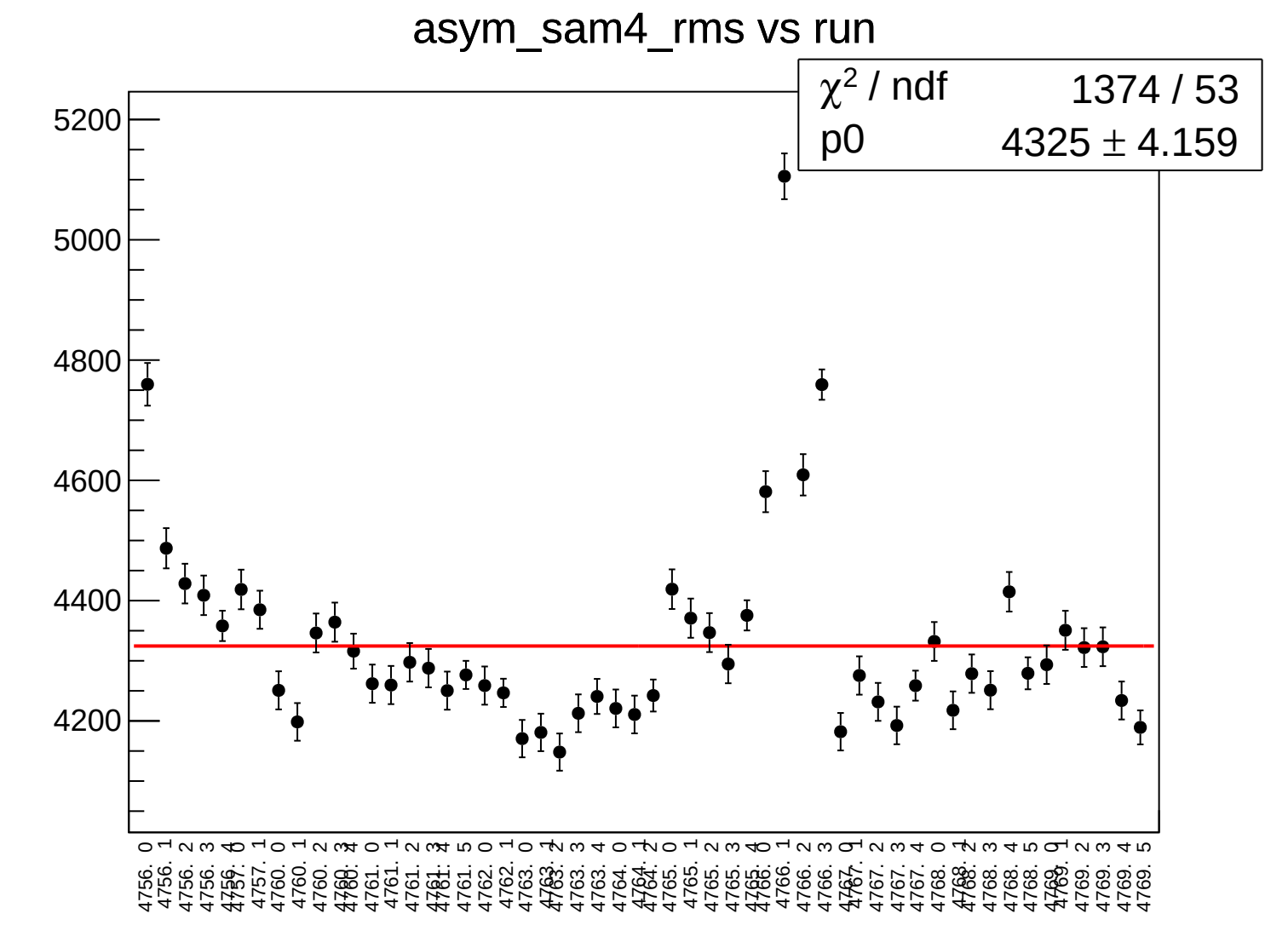

asym_sam3_mean vs run
×10^3
χ² / ndf 47.64 / 53
p0 5.224e+04 ± 1.186e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean −95.68
Std Dev 116.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

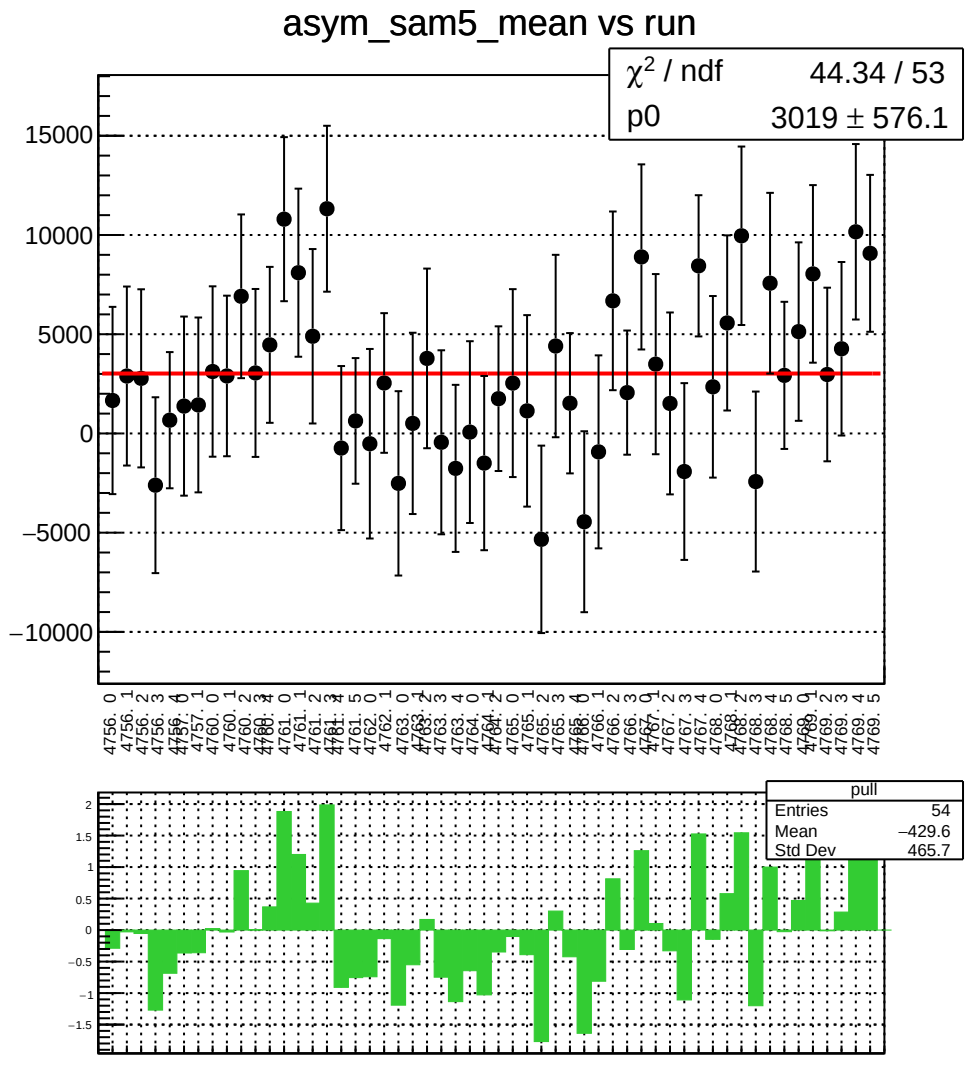

pull1D
Entries 54
Mean −0.01881
Std Dev 0.939
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

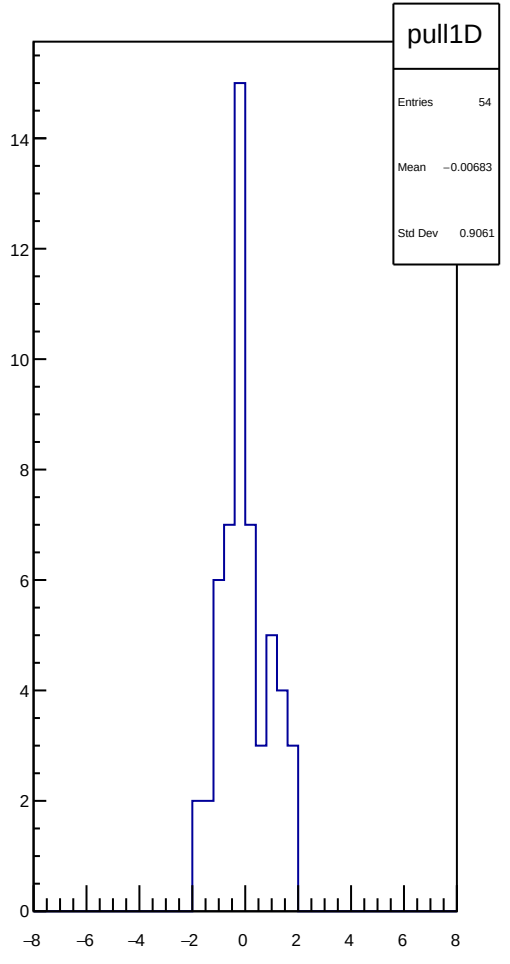

asym_sam3_rms vs run
χ² / ndf 1778 / 53
p0 8720 ± 8.387
10500
10000
9500
9000
8500
8000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

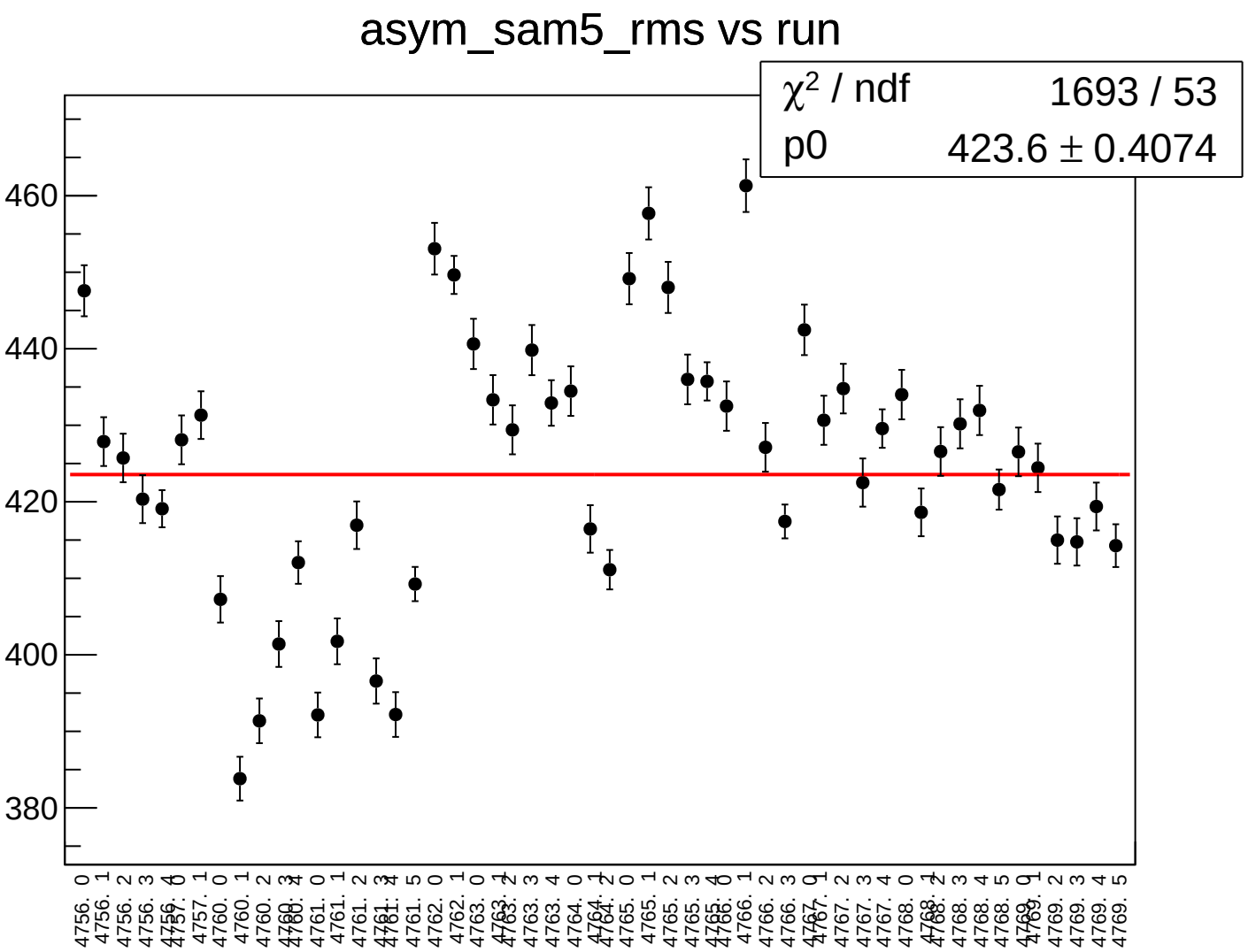

asym_sam4_mean vs run
×10^3
χ² / ndf 46.71 / 53
p0 2.654e+04 ± 5881
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −174.2
Std Dev 198.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

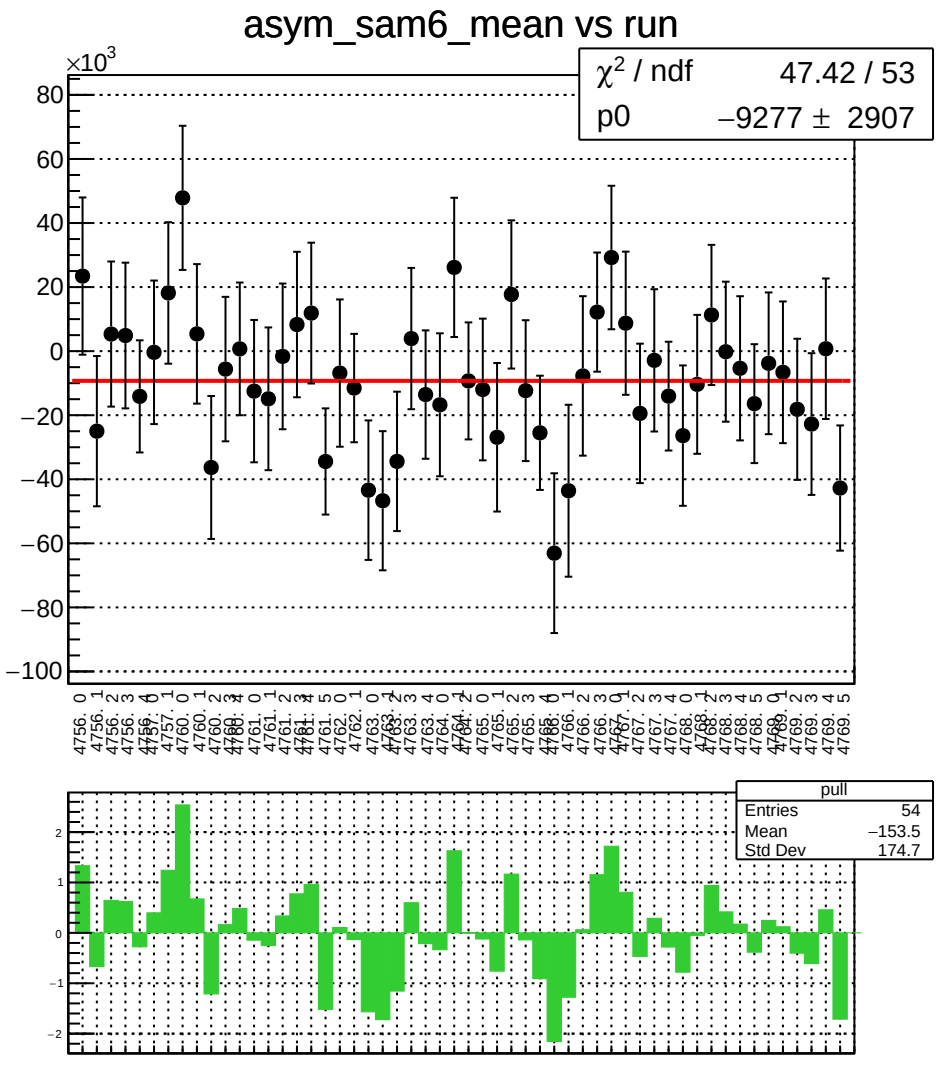

pull1D
Entries 54
Mean −0.01479
Std Dev 0.93
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

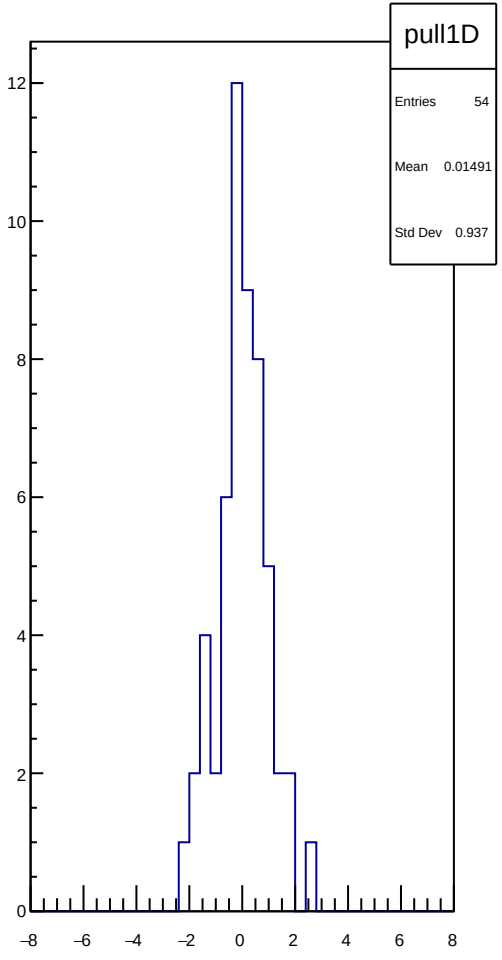

asym_sam4_rms vs run
χ² / ndf 1374 / 53
p0 4325 ± 4.159
5200
5000
4800
4600
4400
4200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

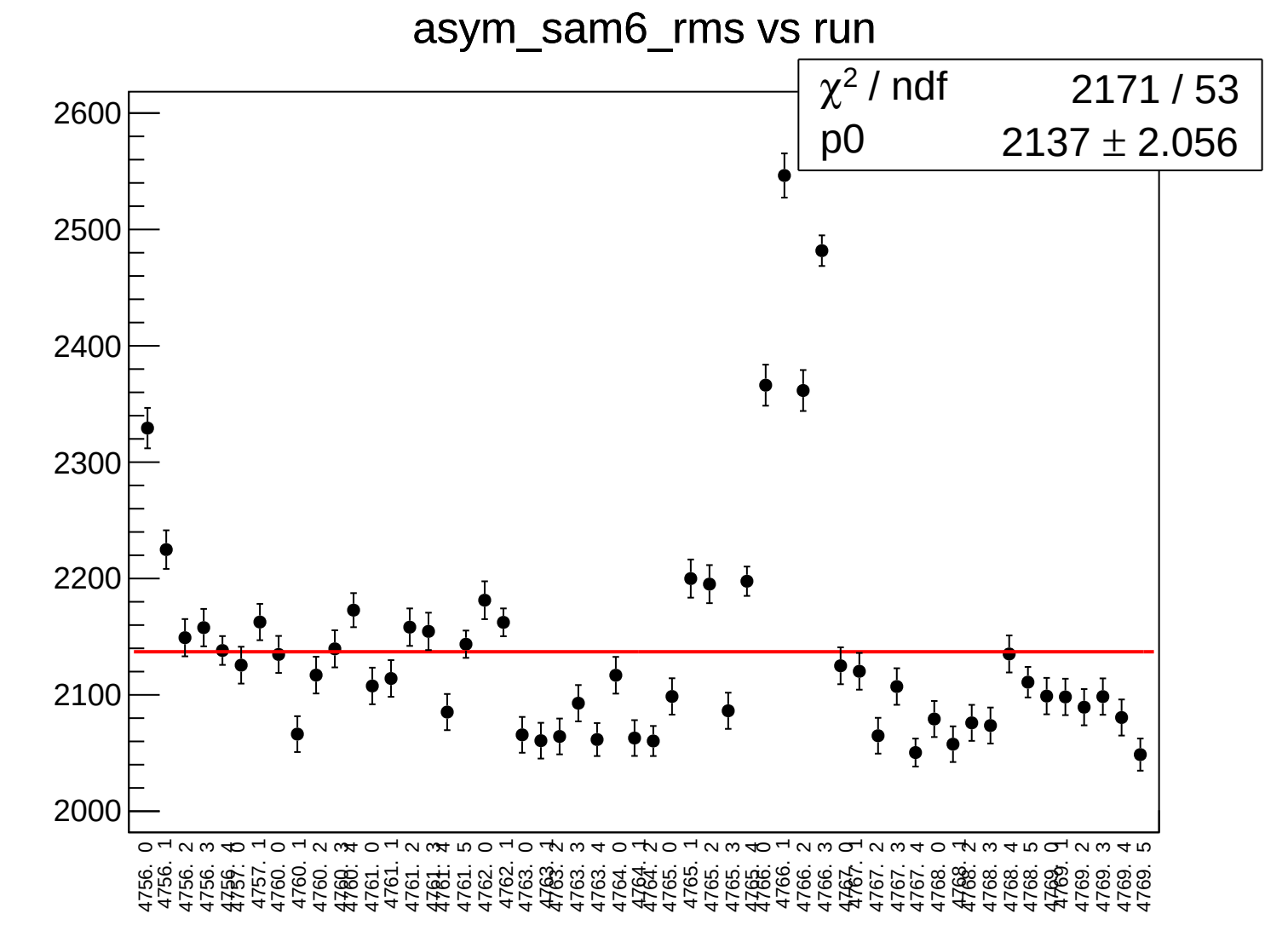

asym_sam5_mean vs run
χ^2 / ndf 44.34 / 53
p0 3019 ± 576.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −429.6
Std Dev 465.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

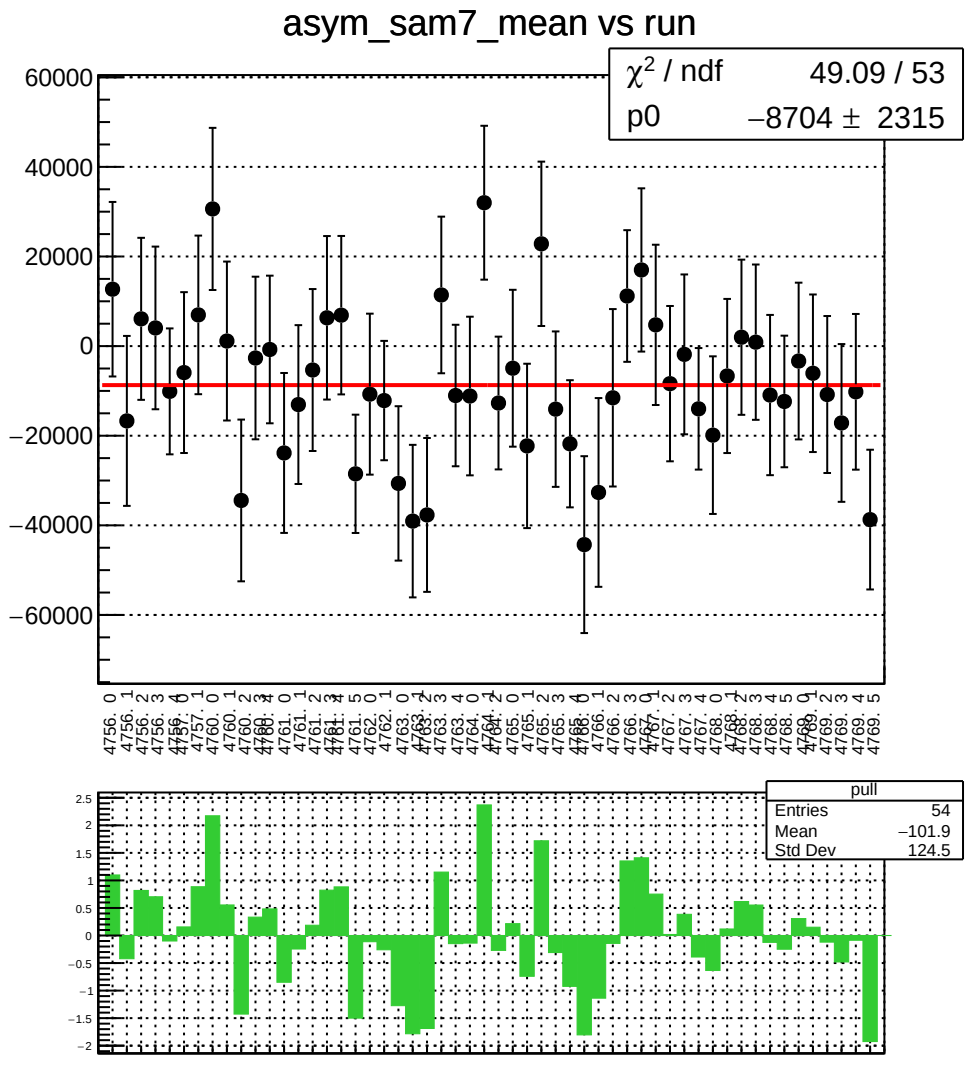

pull1D
Entries 54
Mean −0.00683
Std Dev 0.9061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

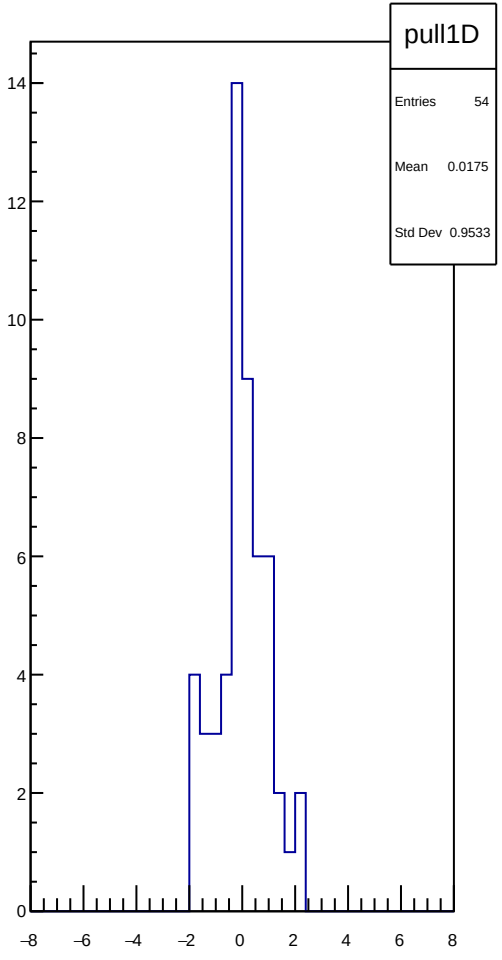

asym_sam5_rms vs run
χ² / ndf 1693 / 53
p0 423.6 ± 0.4074
460
440
420
400
380
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

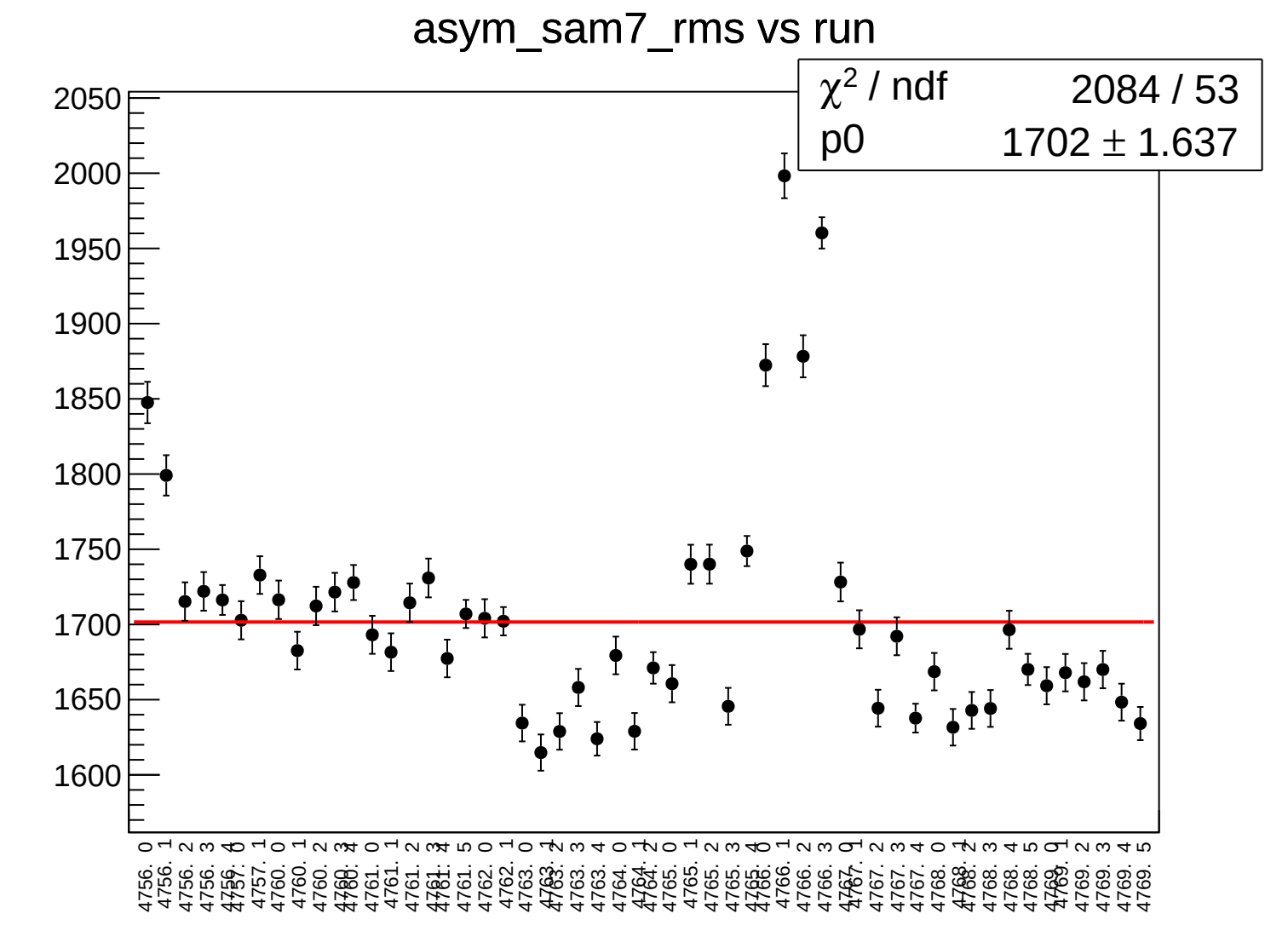

asym_sam6_mean vs run
×10^3
χ² / ndf 47.42 / 53
p0 −9277 ± 2907
pull
Entries 54
Mean −153.5
Std Dev 174.7

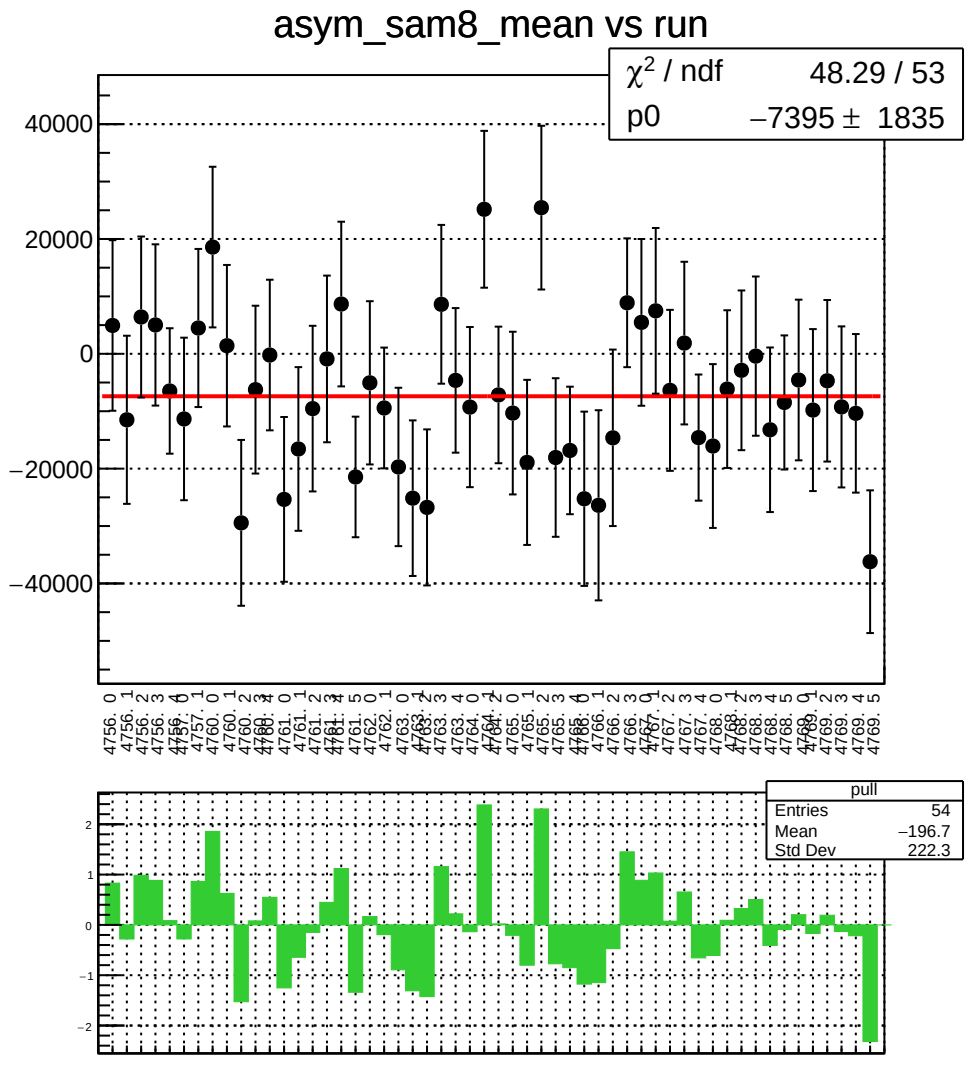

pull1D
Entries 54
Mean 0.01491
Std Dev 0.937

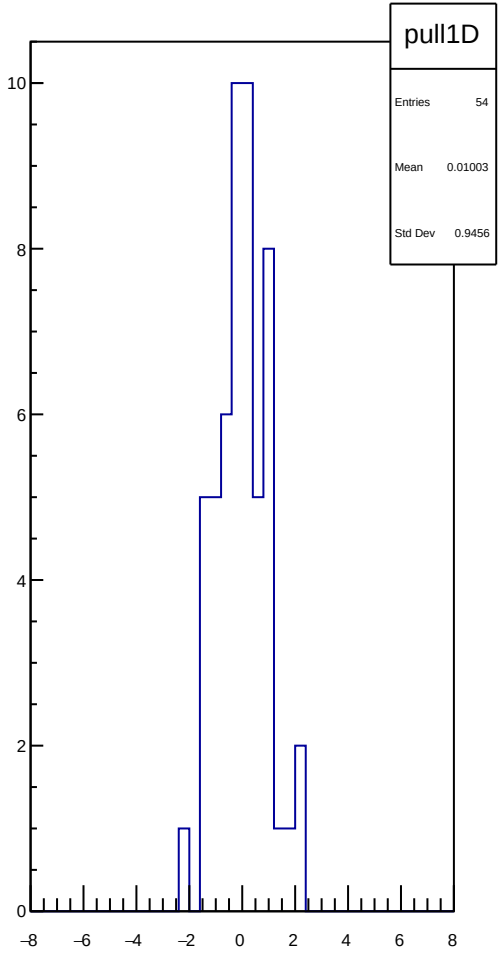

asym_sam6_rms vs run
χ² / ndf 2171 / 53
p0 2137 ± 2.056
2600
2500
2400
2300
2200
2100
2000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

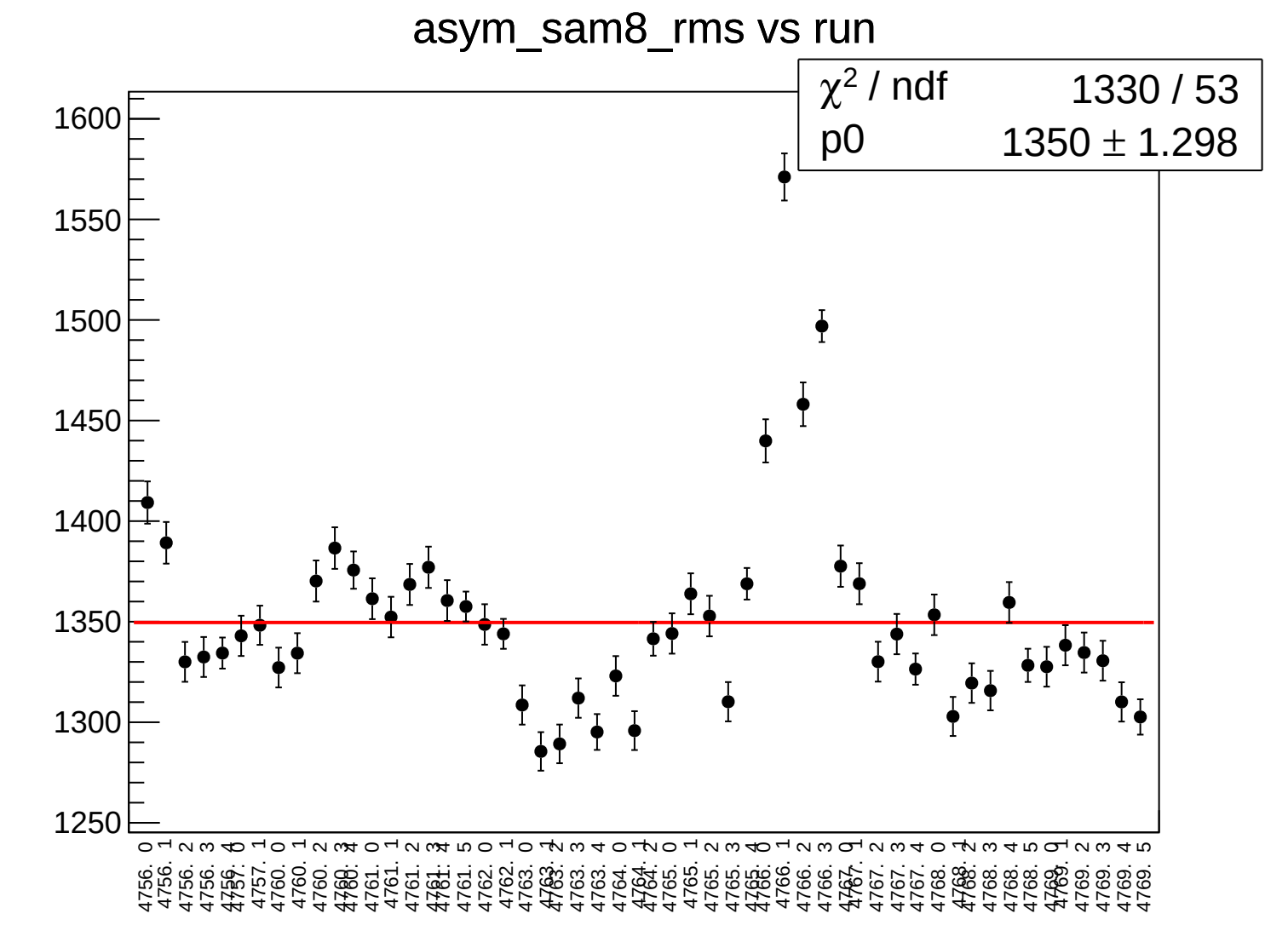

asym_sam7_mean vs run
χ² / ndf 49.09 / 53
p0 −8704 ± 2315
pull
Entries 54
Mean −101.9
Std Dev 124.5

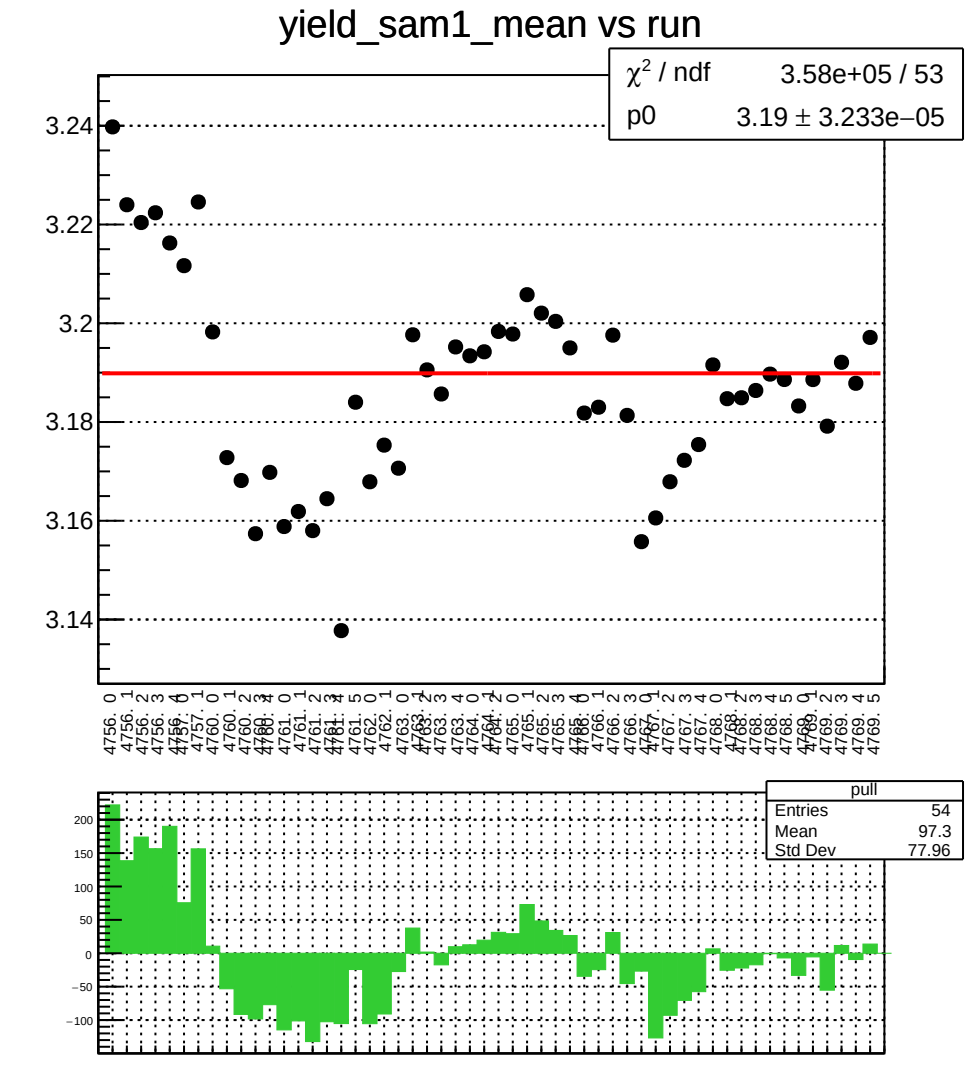

pull1D
Entries 54
Mean 0.0175
Std Dev 0.9533

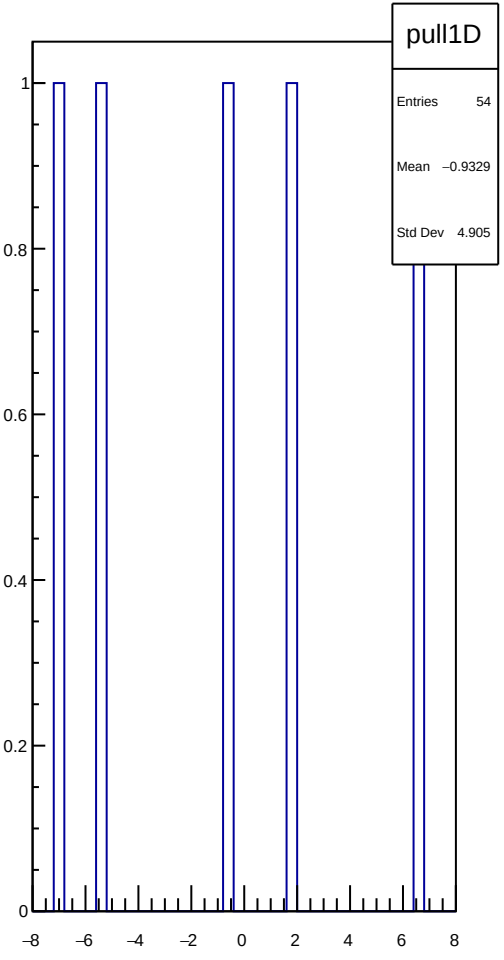

asym_sam7_rms vs run
χ² / ndf 2084 / 53
p0 1702 ± 1.637
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

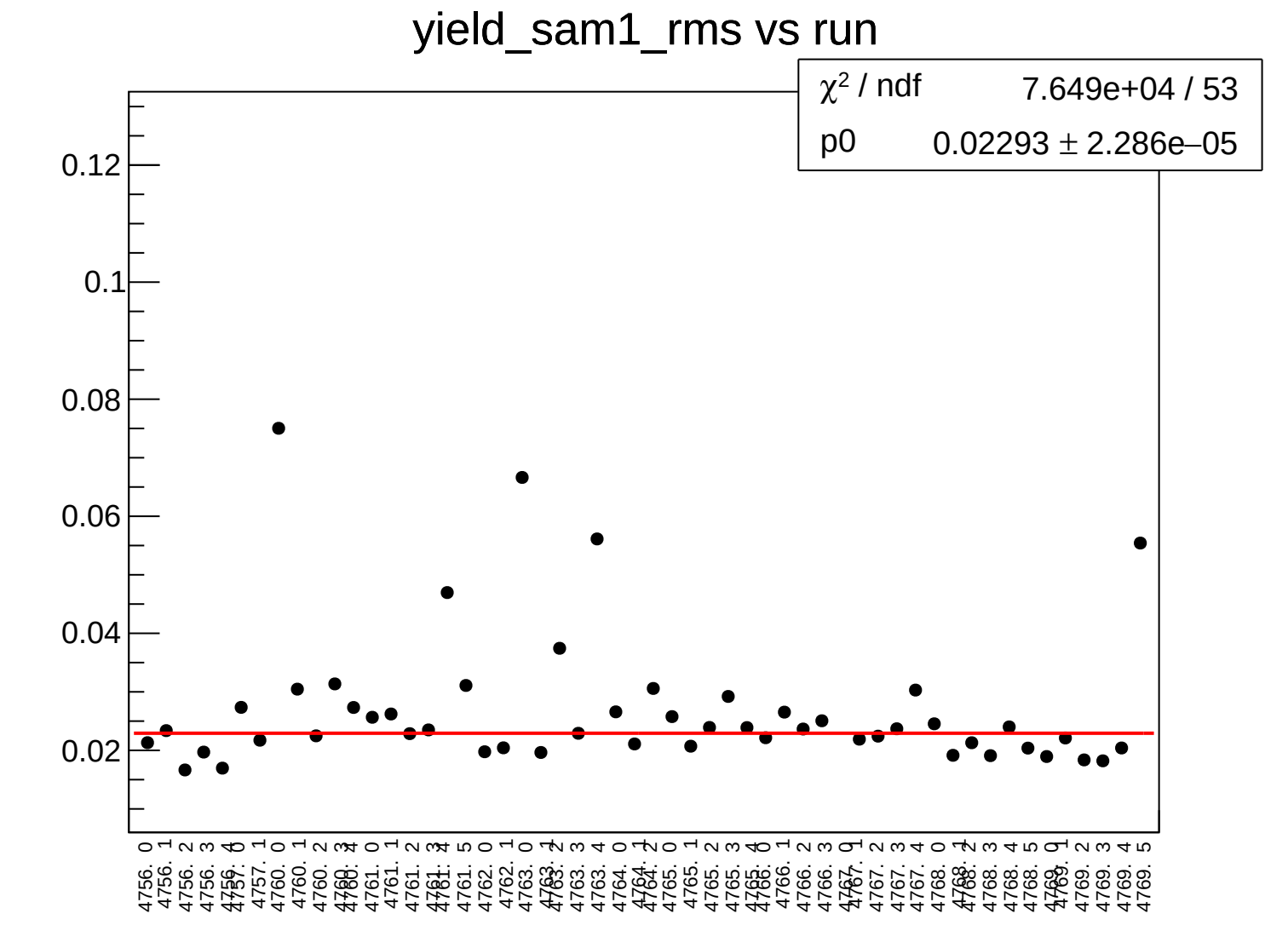

asym_sam8_mean vs run
χ² / ndf 48.29 / 53
p0 −7395 ± 1835
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −196.7
Std Dev 222.3
2
1
0
−1
−2

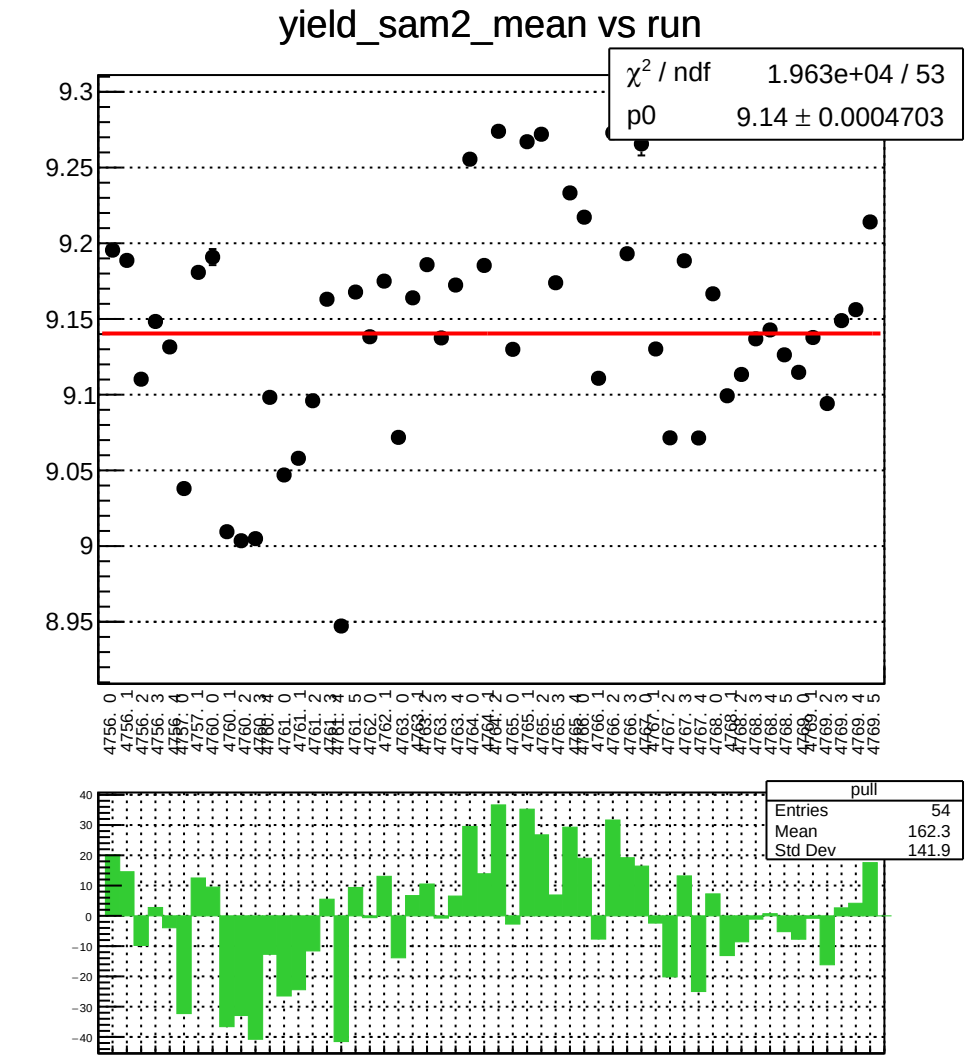

pull1D
Entries 54
Mean 0.01003
Std Dev 0.9456
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

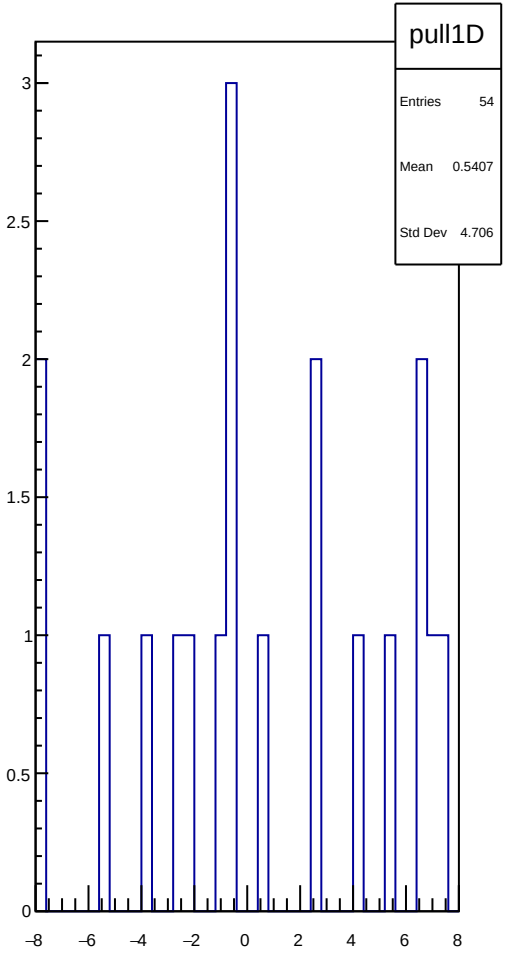

asym_sam8_rms vs run
χ² / ndf 1330 / 53
p0 1350 ± 1.298
1600
1550
1500
1450
1400
1350
1300
1250
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

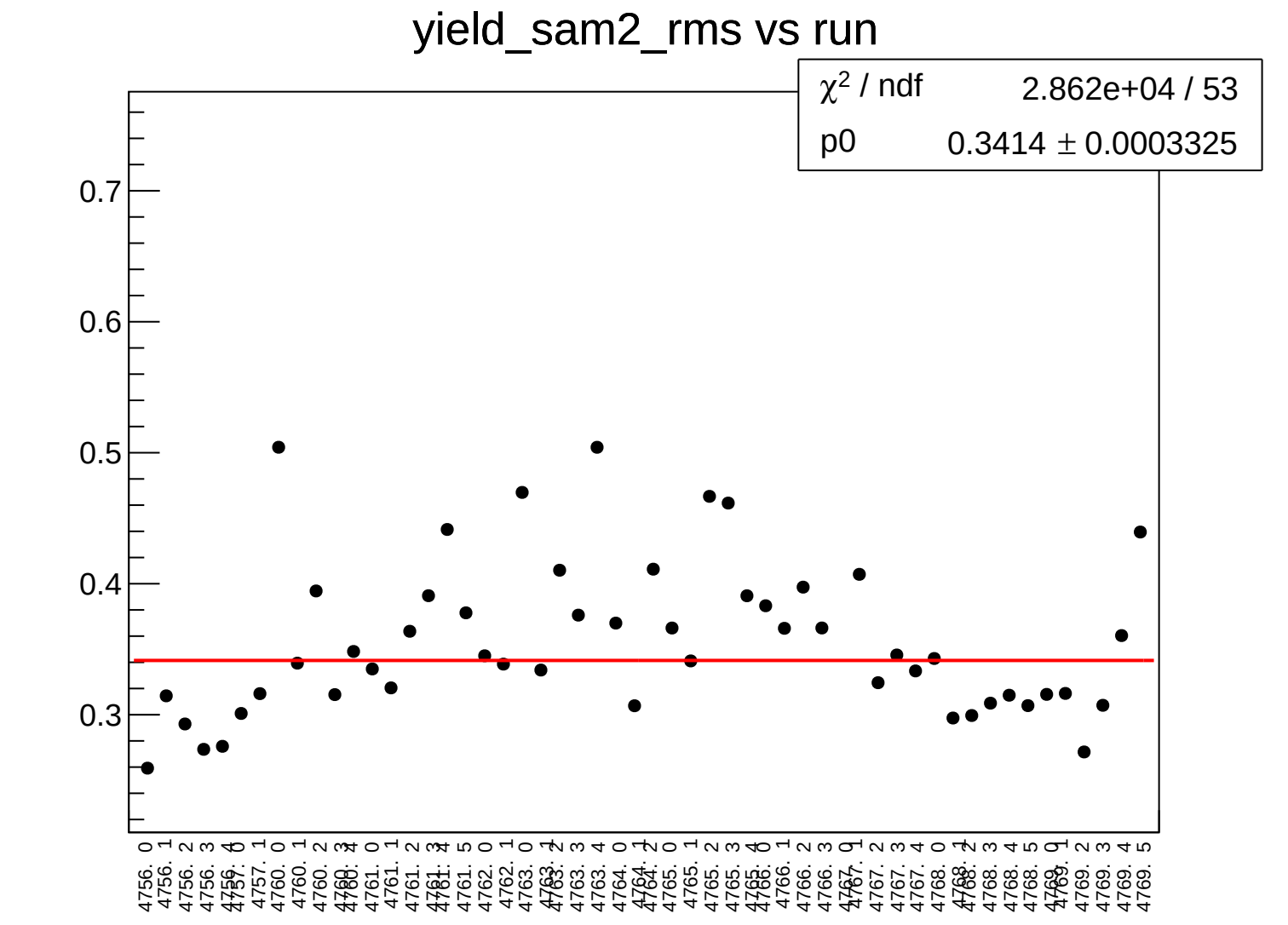

yield_sam1_mean vs run
χ² / ndf 3.58e+05 / 53
p0 3.19 ± 3.233e−05
3.24
3.22
3.2
3.18
3.16
3.14
pull
Entries 54
Mean 97.3
Std Dev 77.96
200
150
100
50
0
−50
−100

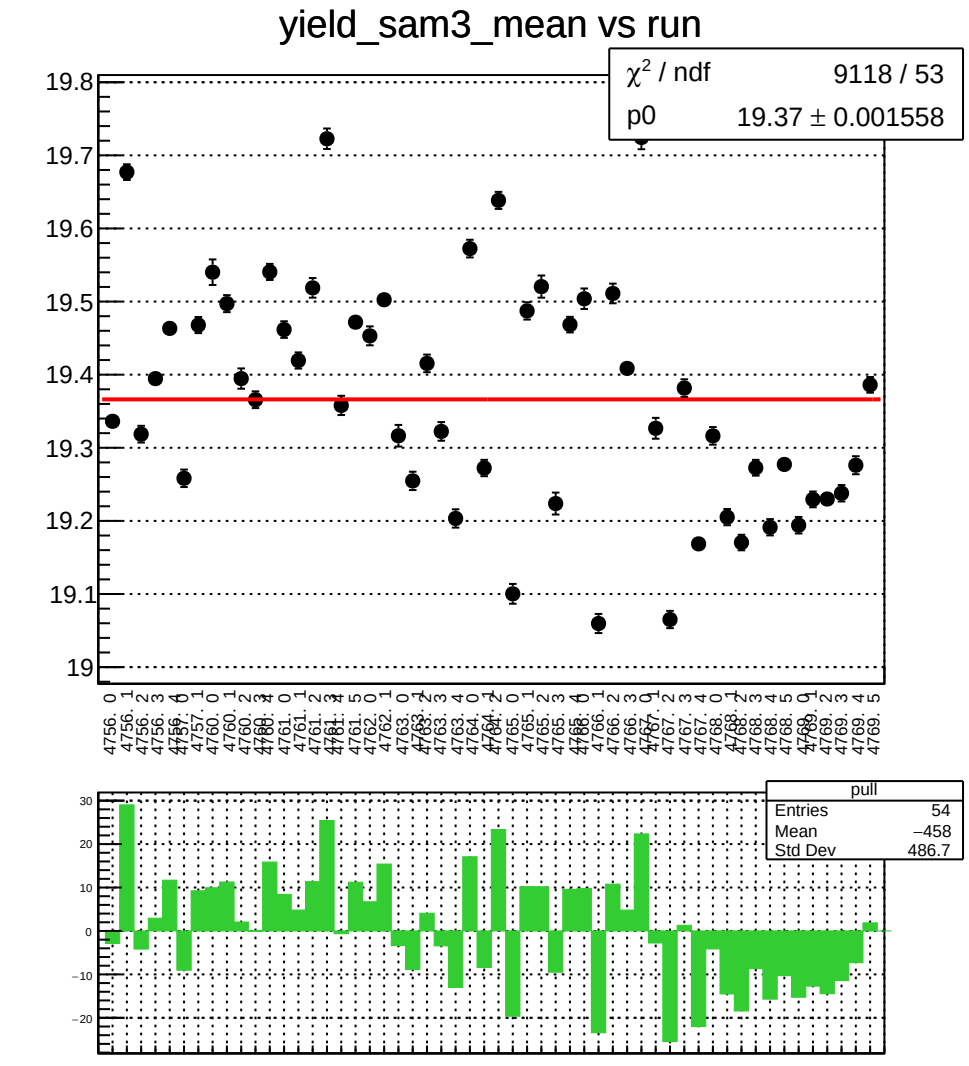

pull1D
Entries 54
Mean −0.9329
Std Dev 4.905
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

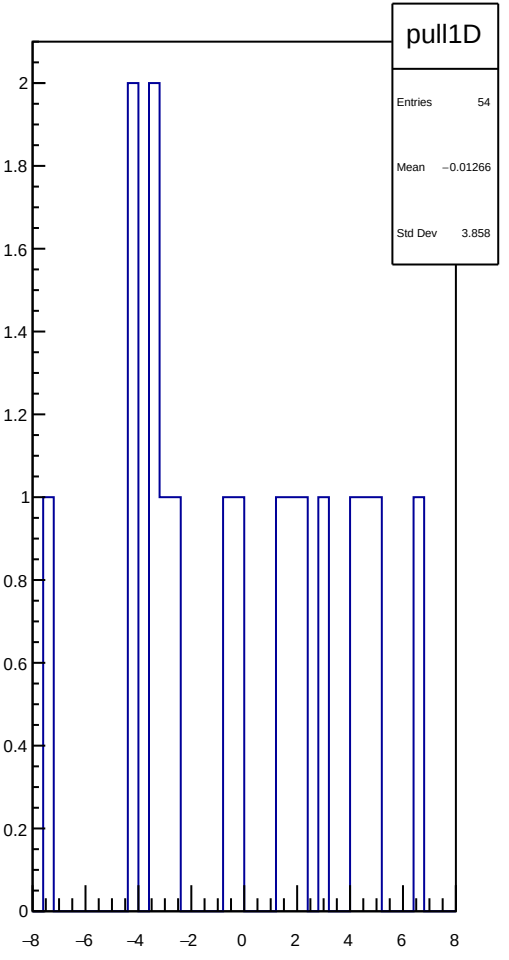

yield_sam1_rms vs run
χ² / ndf 7.649e+04 / 53
p0 0.02293 ± 2.286e−05
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

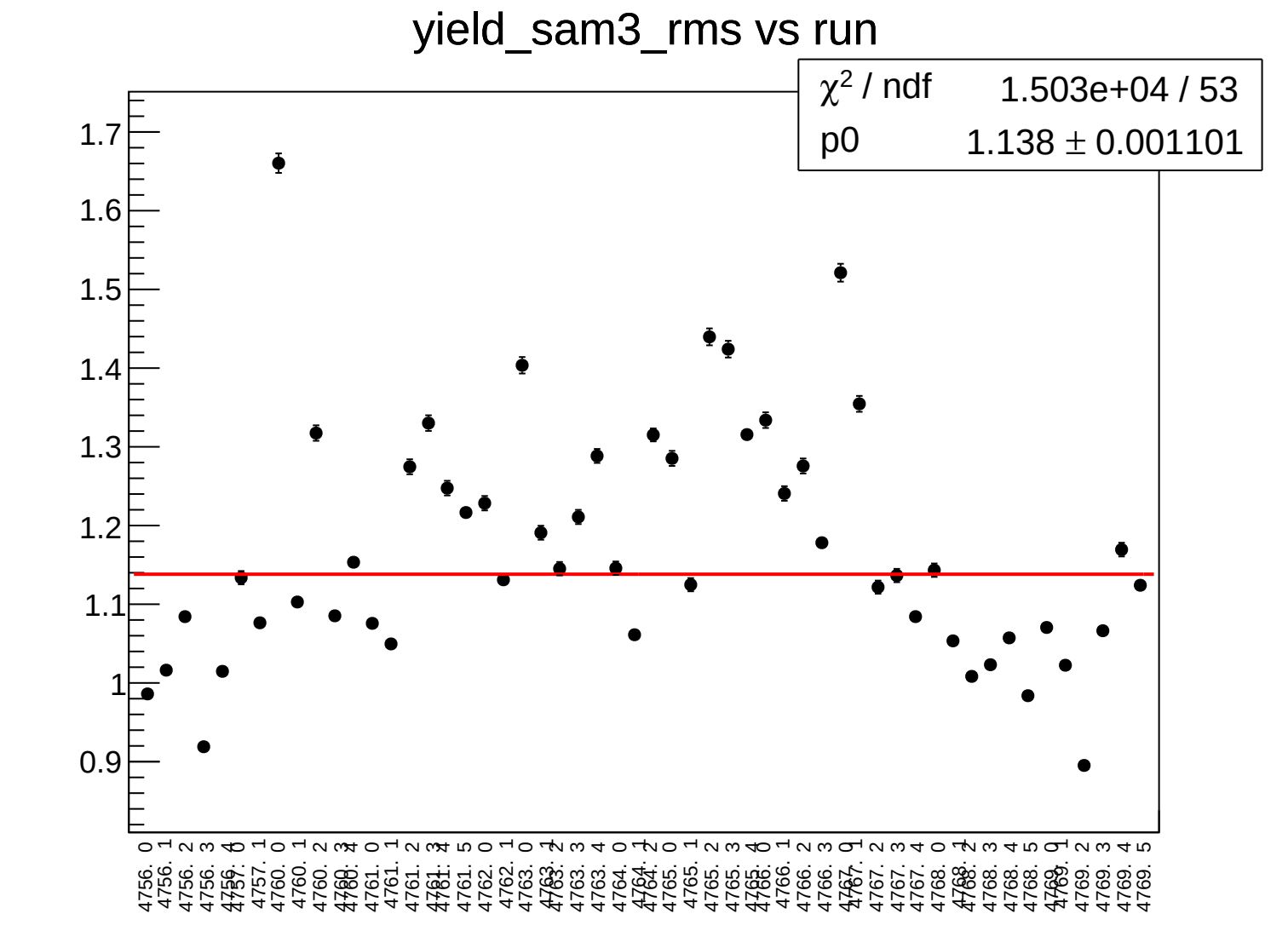

yield_sam2_mean vs run
χ² / ndf 1.963e+04 / 53
p0 9.14 ± 0.0004703
9.3
9.25
9.2
9.15
9.1
9.05
9
8.95
pull
Entries 54
Mean 162.3
Std Dev 141.9
40
30
20
10
0
−10
−20
−30
−40

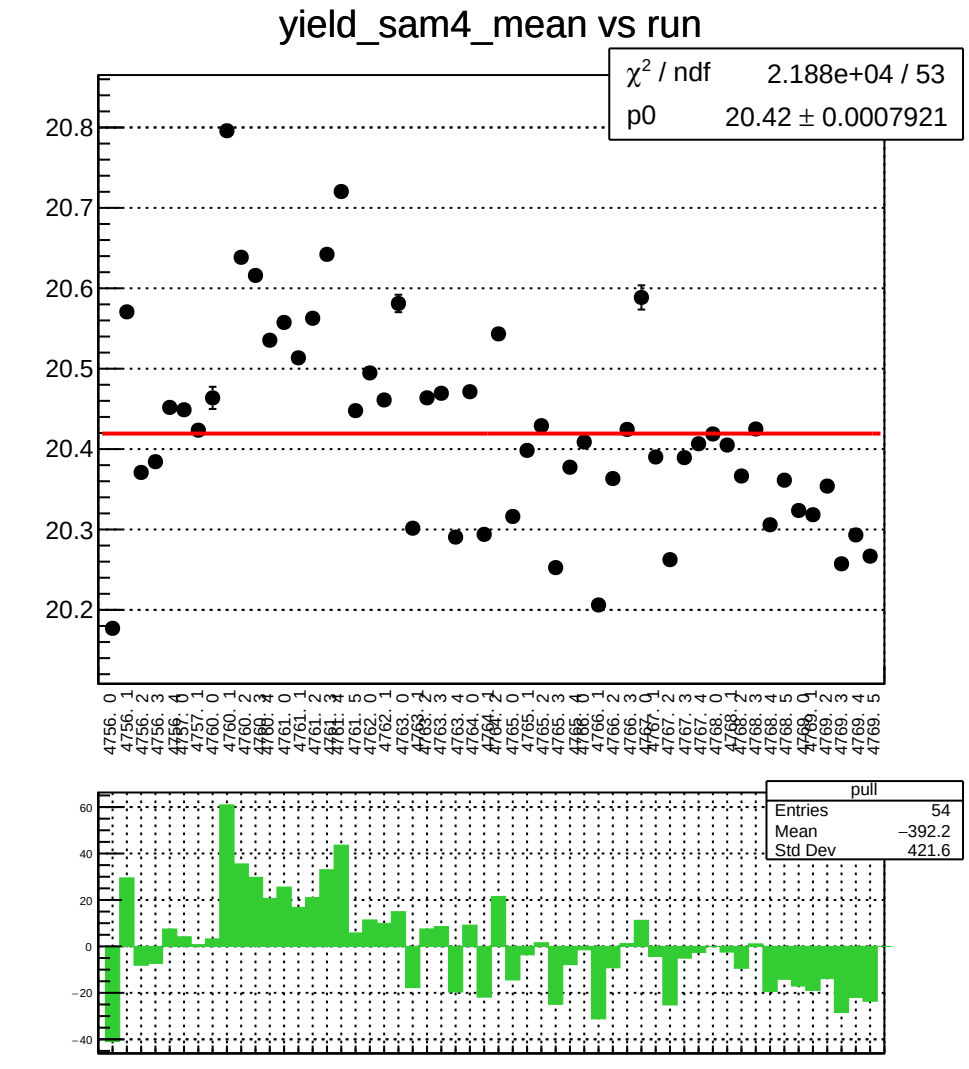

pull1D
Entries 54
Mean 0.5407
Std Dev 4.706
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

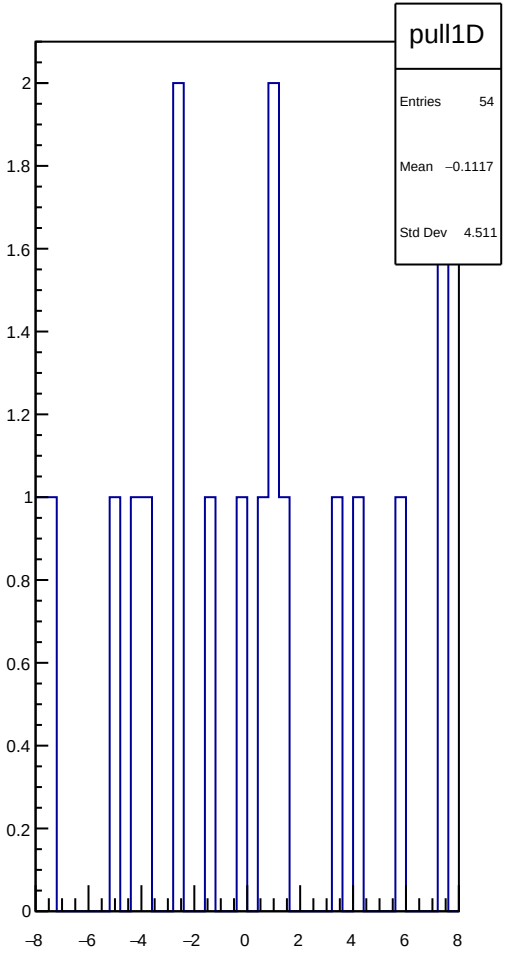

yield_sam2_rms vs run
χ² / ndf 2.862e+04 / 53
p0 0.3414 ± 0.0003325
0.7
0.6
0.5
0.4
0.3

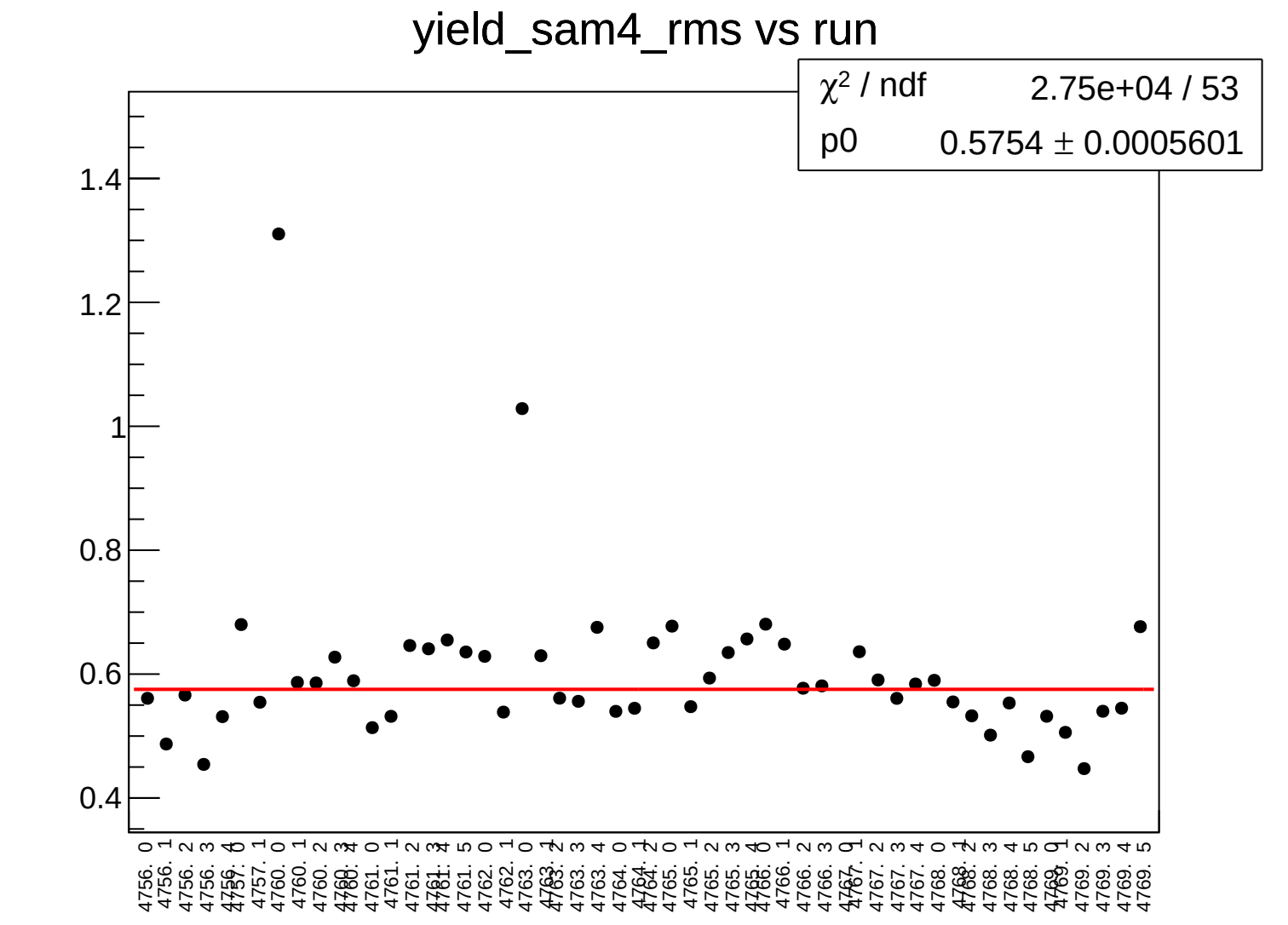

yield_sam3_mean vs run
χ² / ndf 9118 / 53
p0 19.37 ± 0.001558
pull
Entries 54
Mean −458
Std Dev 486.7

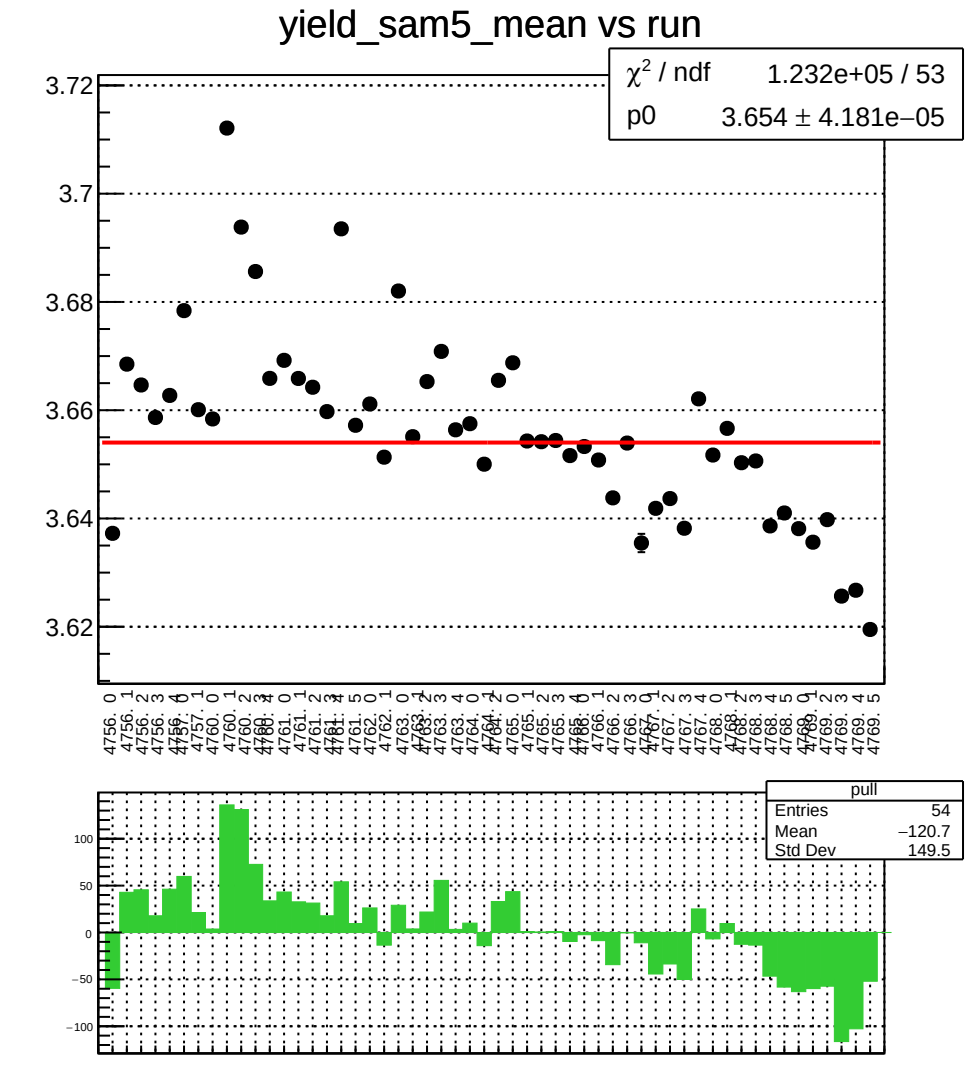

pull1D
Entries 54
Mean −0.01266
Std Dev 3.858

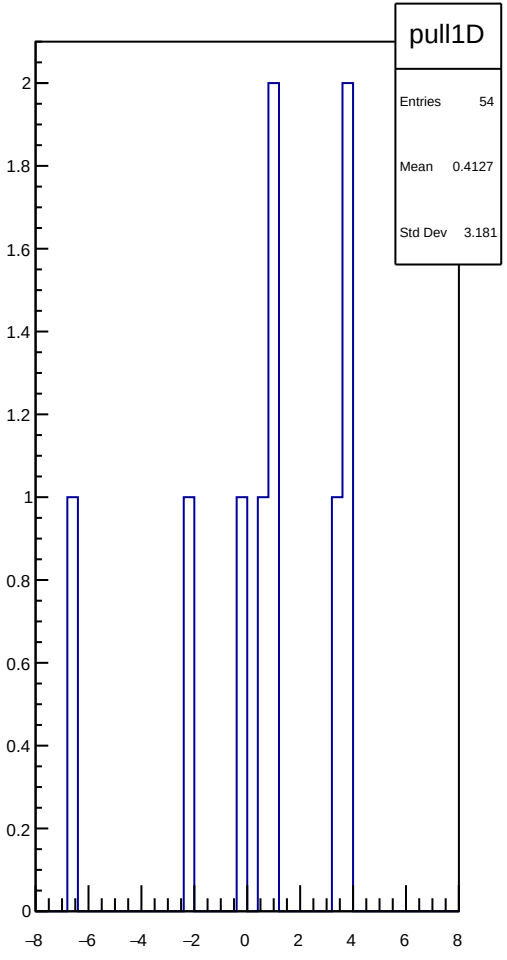

yield_sam3_rms vs run
χ² / ndf 1.503e+04 / 53
p0 1.138 ± 0.001101
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1
0.9
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

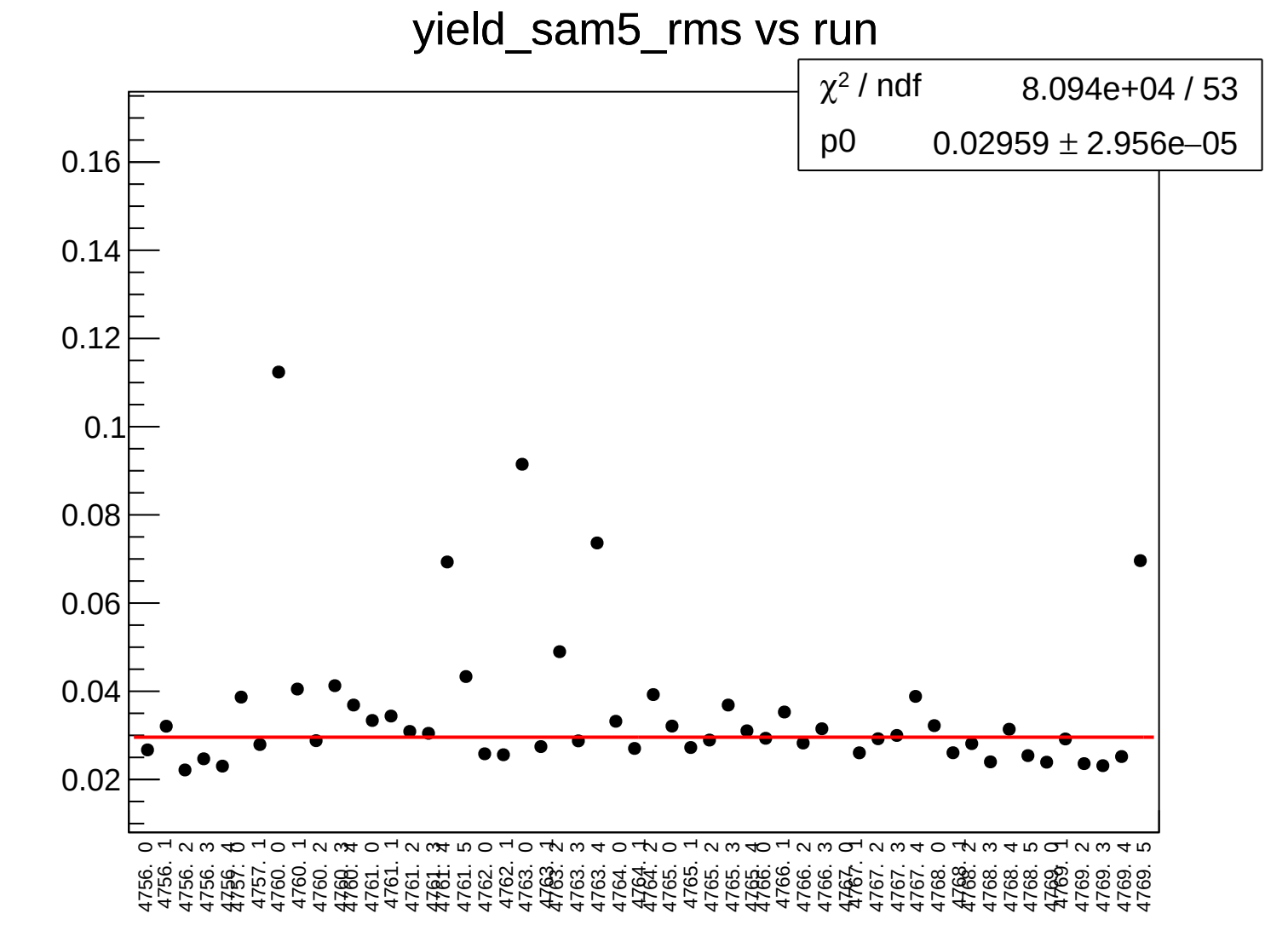

yield_sam4_mean vs run
χ² / ndf 2.188e+04 / 53
p0 20.42 ± 0.0007921
20.8
20.7
20.6
20.5
20.4
20.3
20.2
pull
Entries 54
Mean −392.2
Std Dev 421.6
60
40
20
0
−20
−40

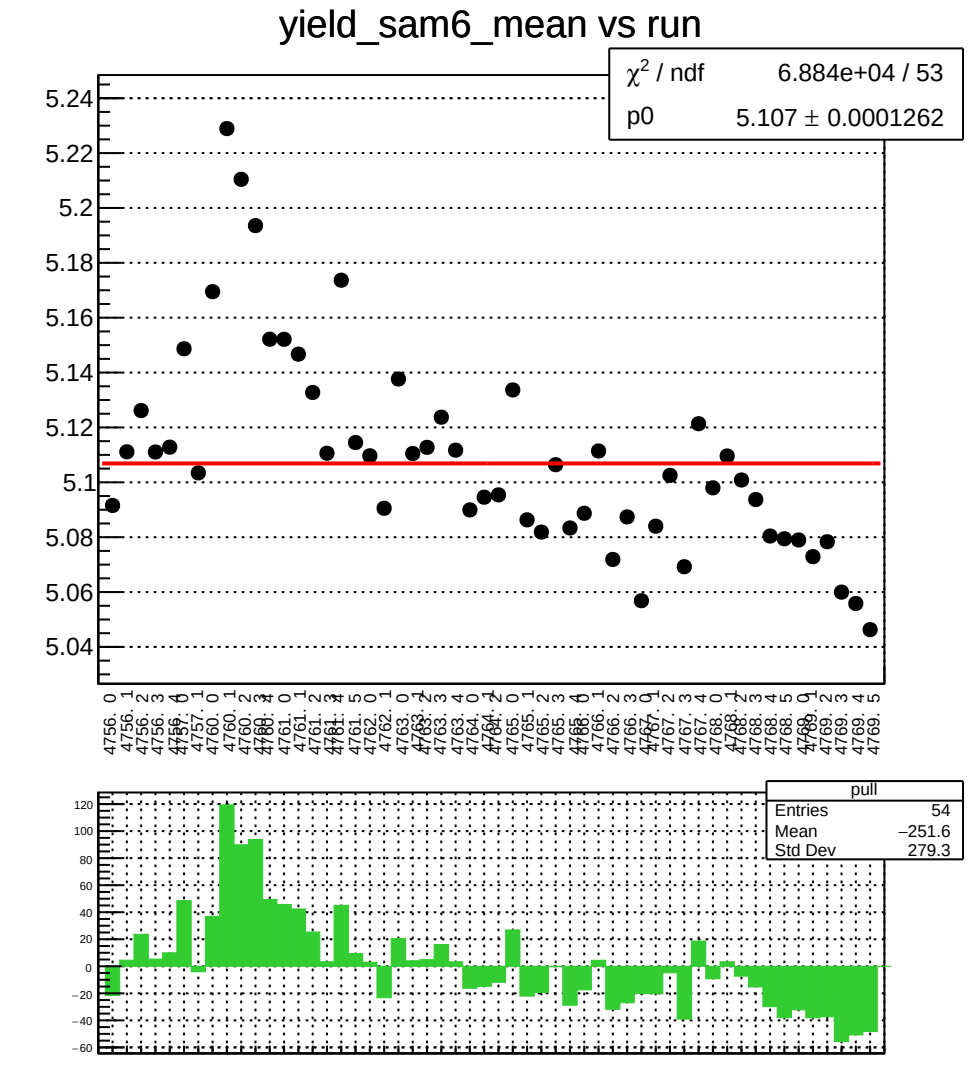

pull1D
Entries 54
Mean −0.1117
Std Dev 4.511
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

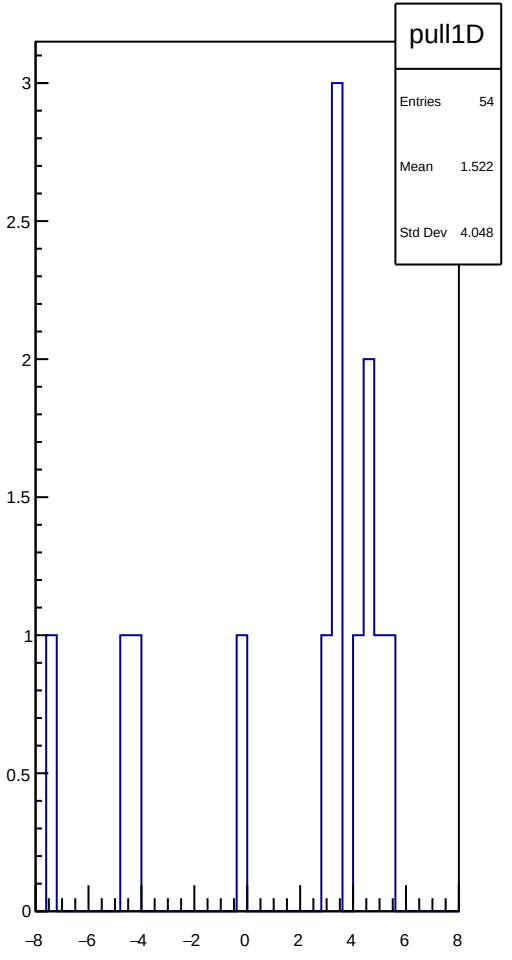

yield_sam4_rms vs run
χ² / ndf 2.75e+04 / 53
p0 0.5754 ± 0.0005601
1.4
1.2
1
0.8
0.6
0.4
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

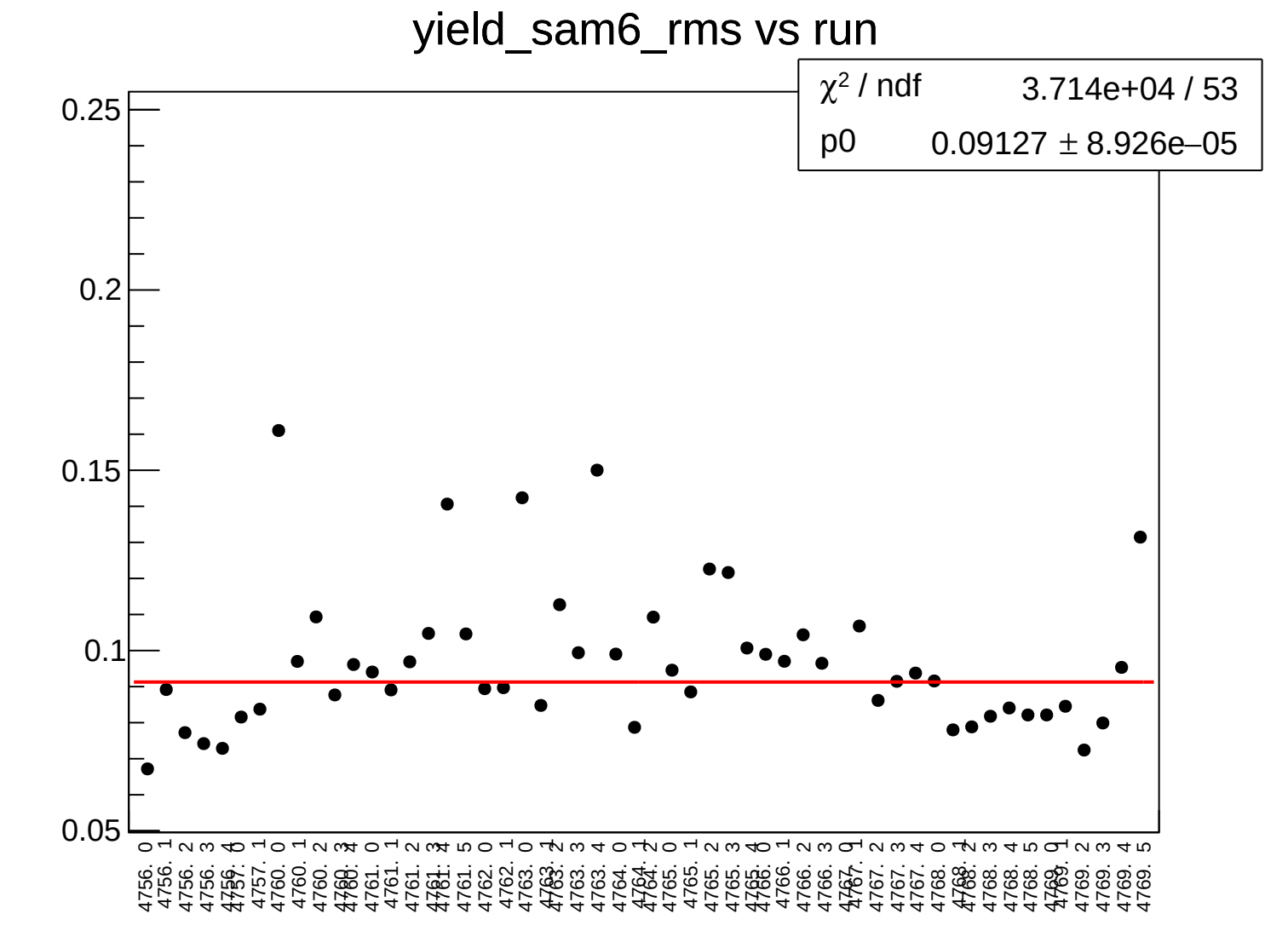

yield_sam5_mean vs run
χ² / ndf 1.232e+05 / 53
p0 3.654 ± 4.181e−05
3.72
3.7
3.68
3.66
3.64
3.62
pull
Entries 54
Mean −120.7
Std Dev 149.5
100
50
0
−50
−100

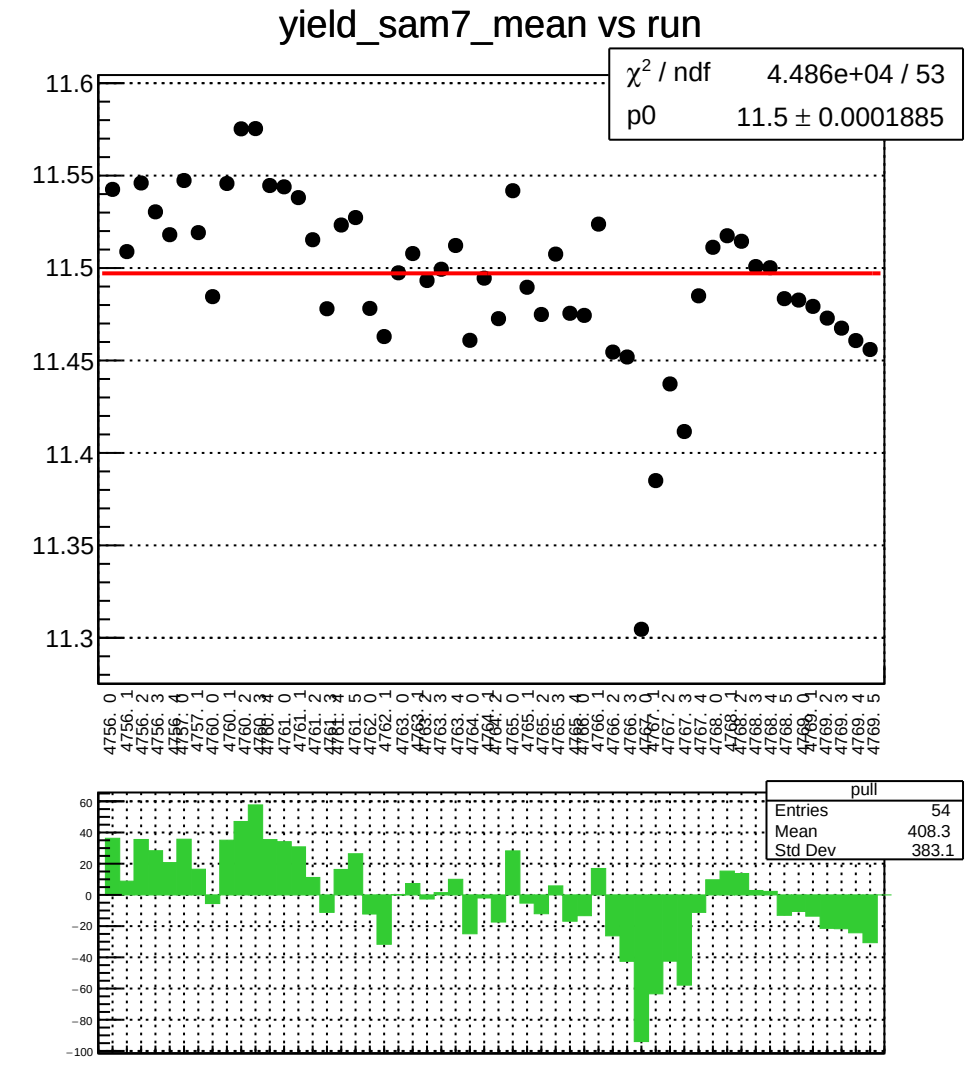

pull1D
Entries 54
Mean 0.4127
Std Dev 3.181
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

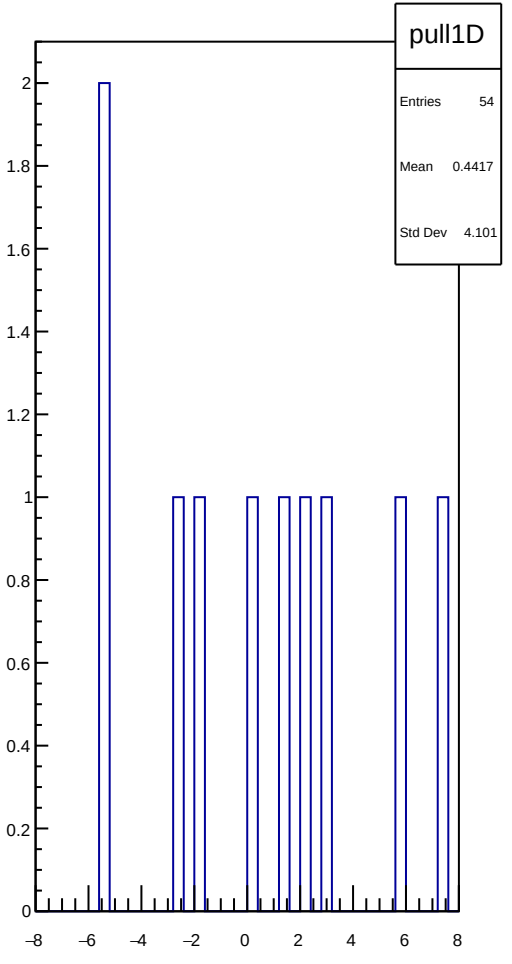

yield_sam5_rms vs run
χ² / ndf 8.094e+04 / 53
p0 0.02959 ± 2.956e−05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

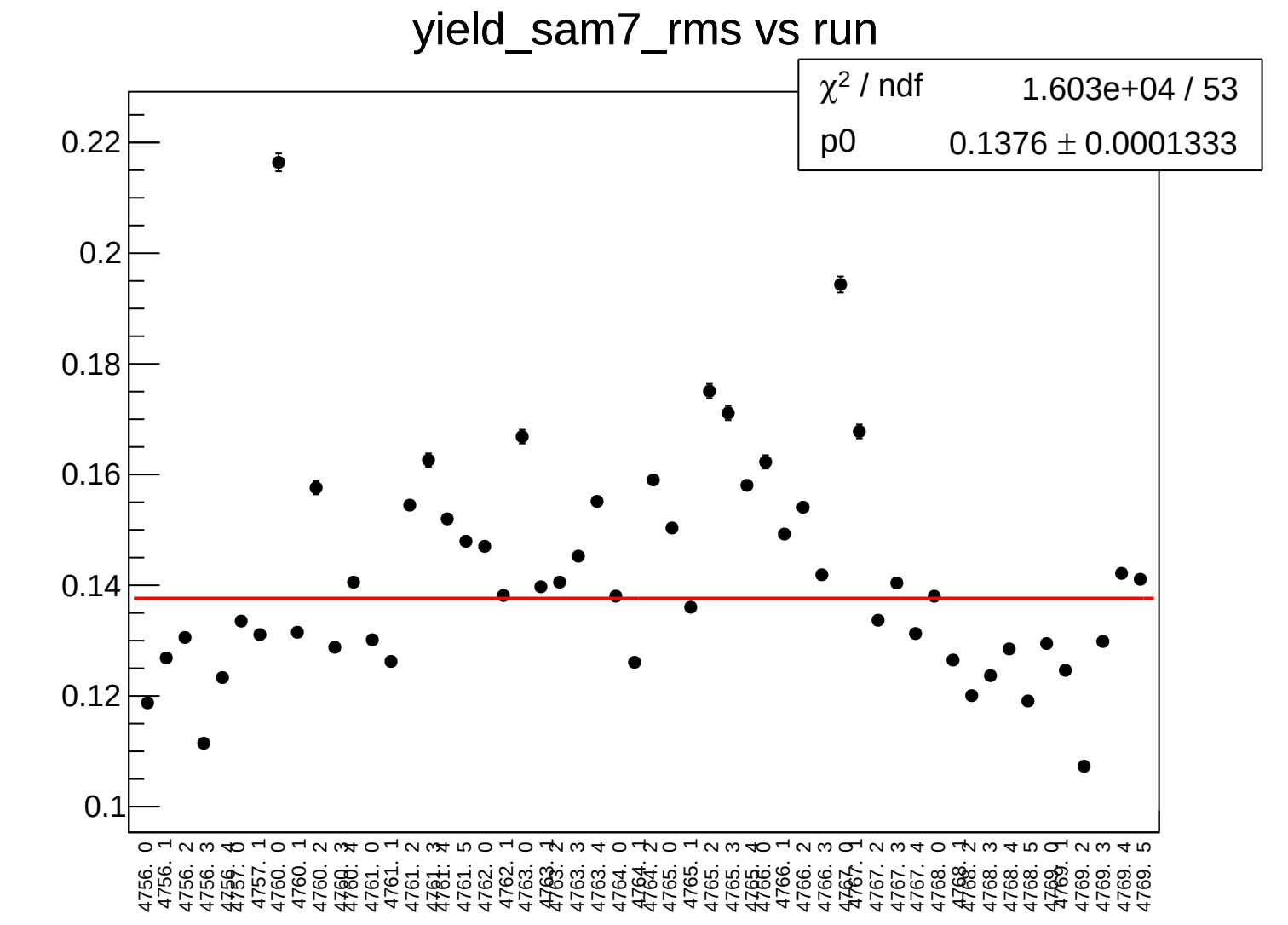

yield_sam6_mean vs run
χ² / ndf 6.884e+04 / 53
p0 5.107 ± 0.0001262
pull
Entries 54
Mean −251.6
Std Dev 279.3

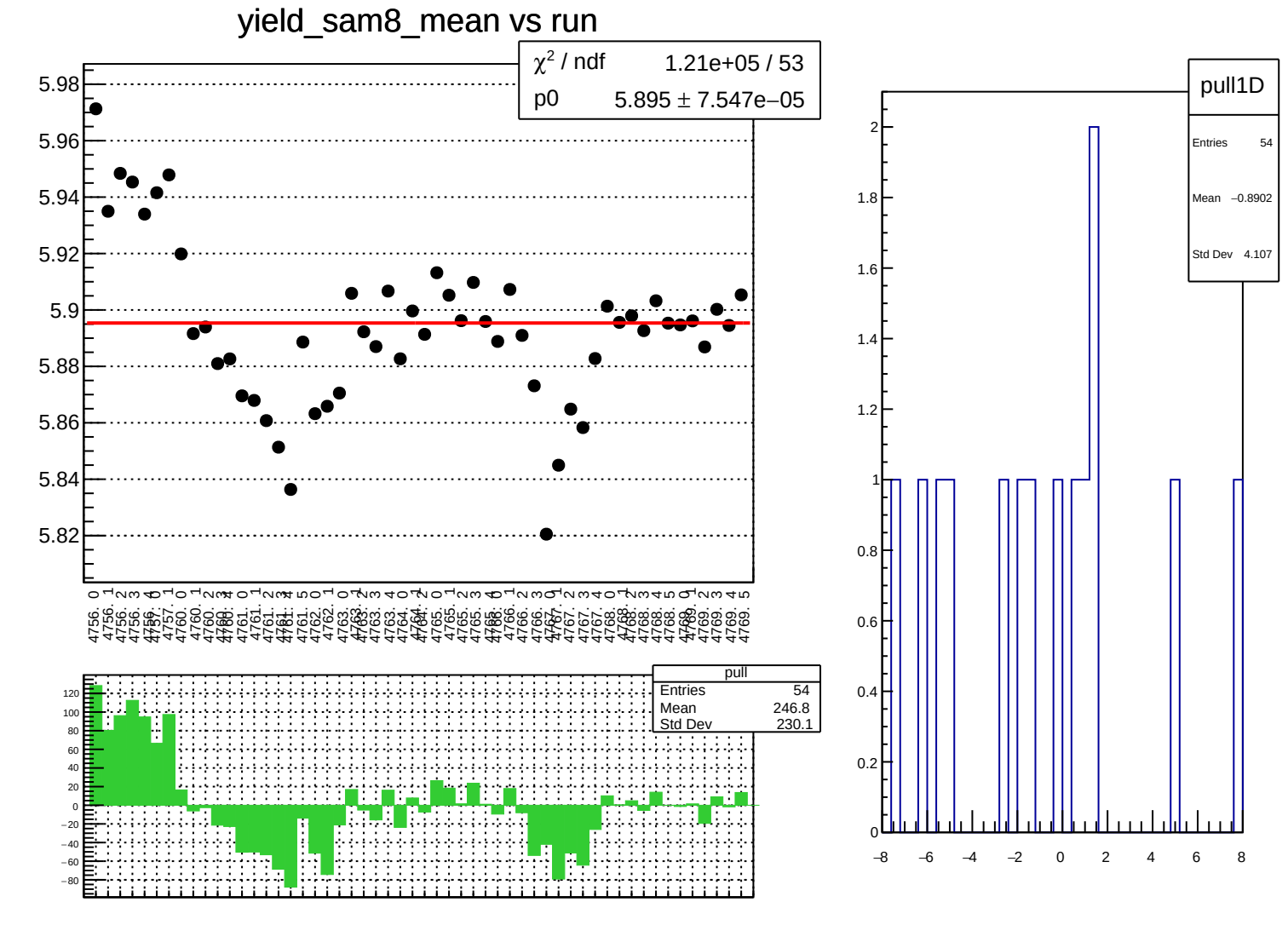

pull1D
Entries 54
Mean 1.522
Std Dev 4.048

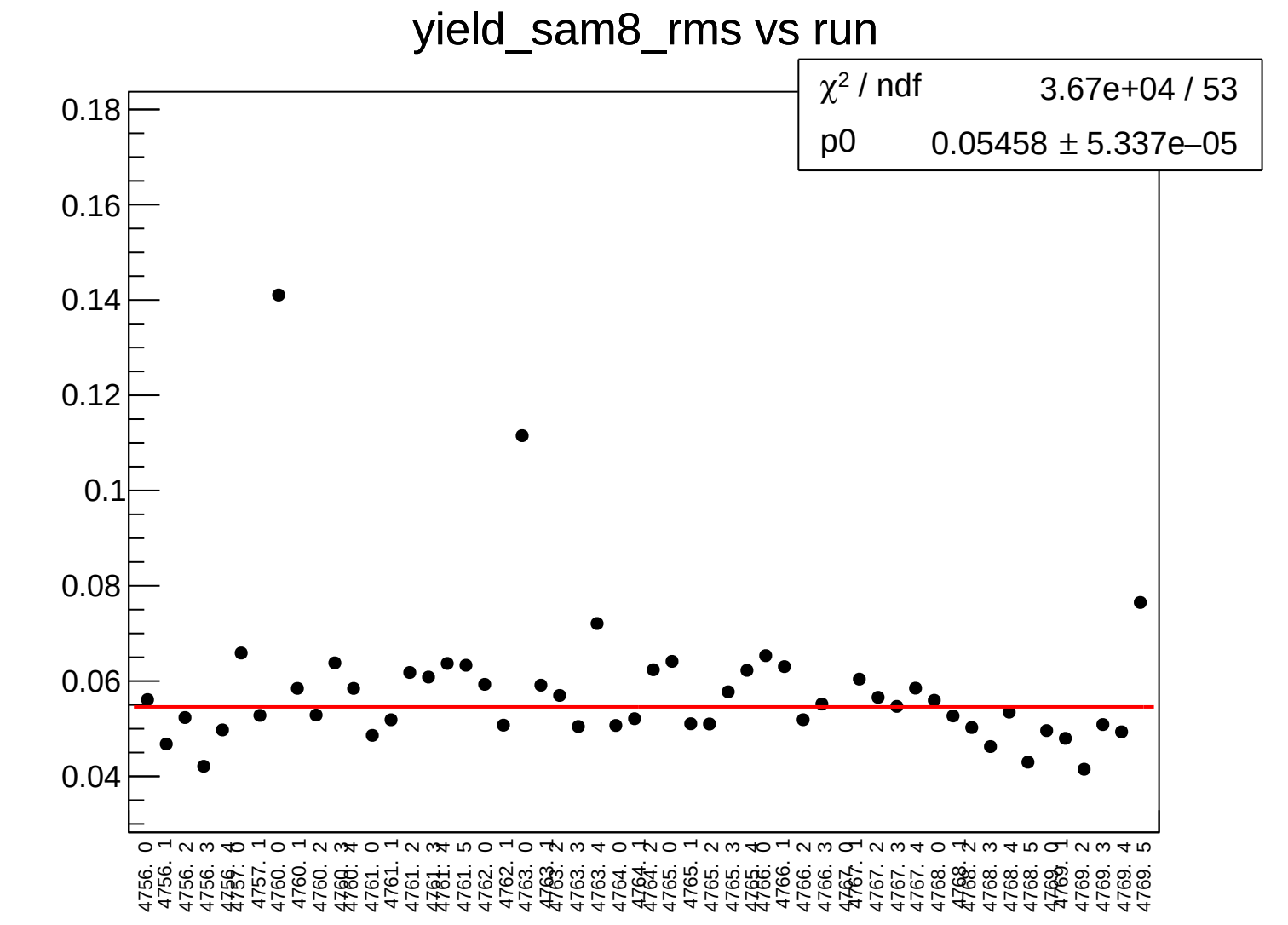

yield_sam6_rms vs run
χ² / ndf 3.714e+04 / 53
p0 0.09127 ± 8.926e–05
0.25
0.2
0.15
0.1
0.05

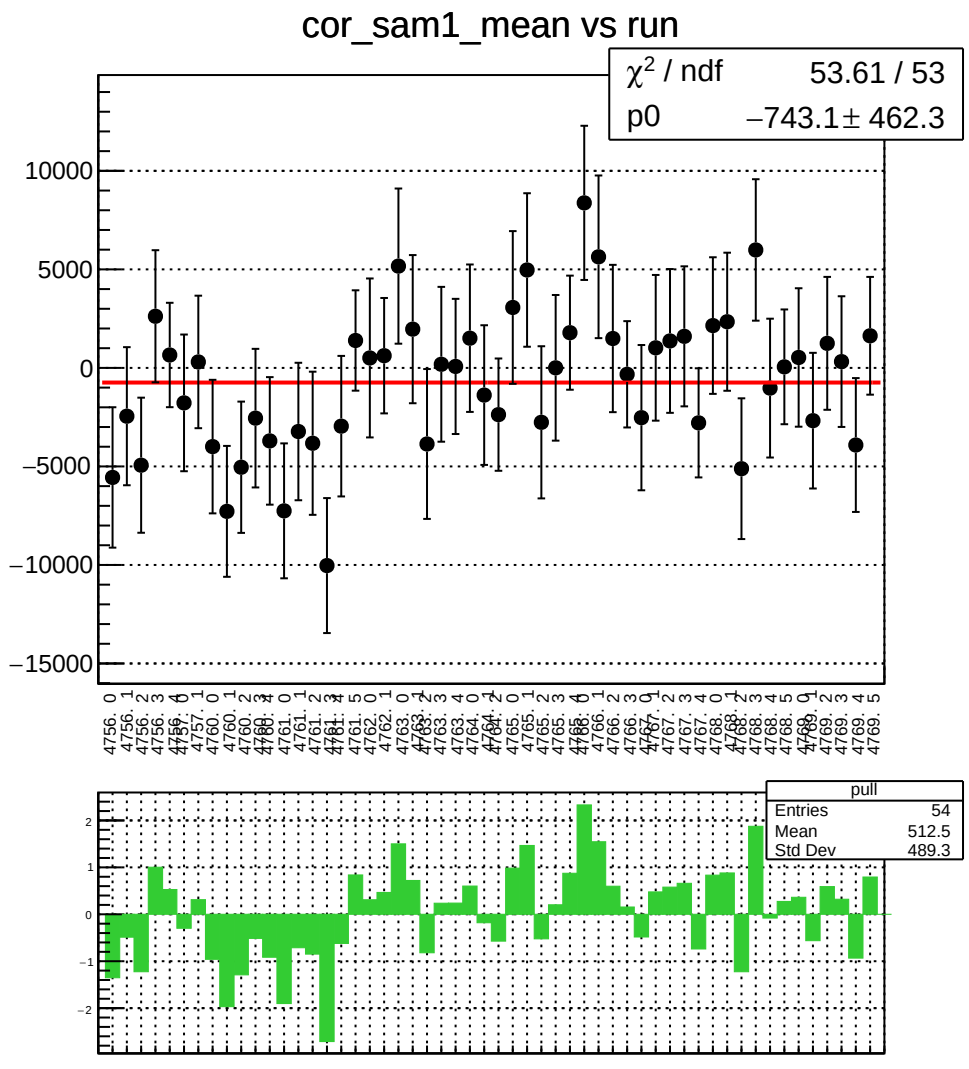

yield_sam7_mean vs run
χ² / ndf 4.486e+04 / 53
p0 11.5 ± 0.0001885
11.6
11.55
11.5
11.45
11.4
11.35
11.3
pull
Entries 54
Mean 408.3
Std Dev 383.1
60
40
20
0
−20
−40
−60
−80
−100

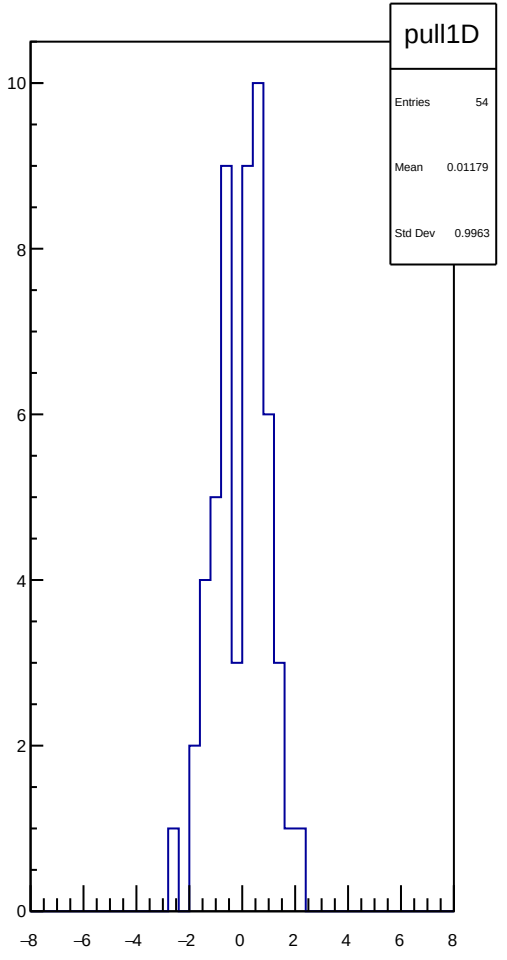

pull1D
Entries 54
Mean 0.4417
Std Dev 4.101
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

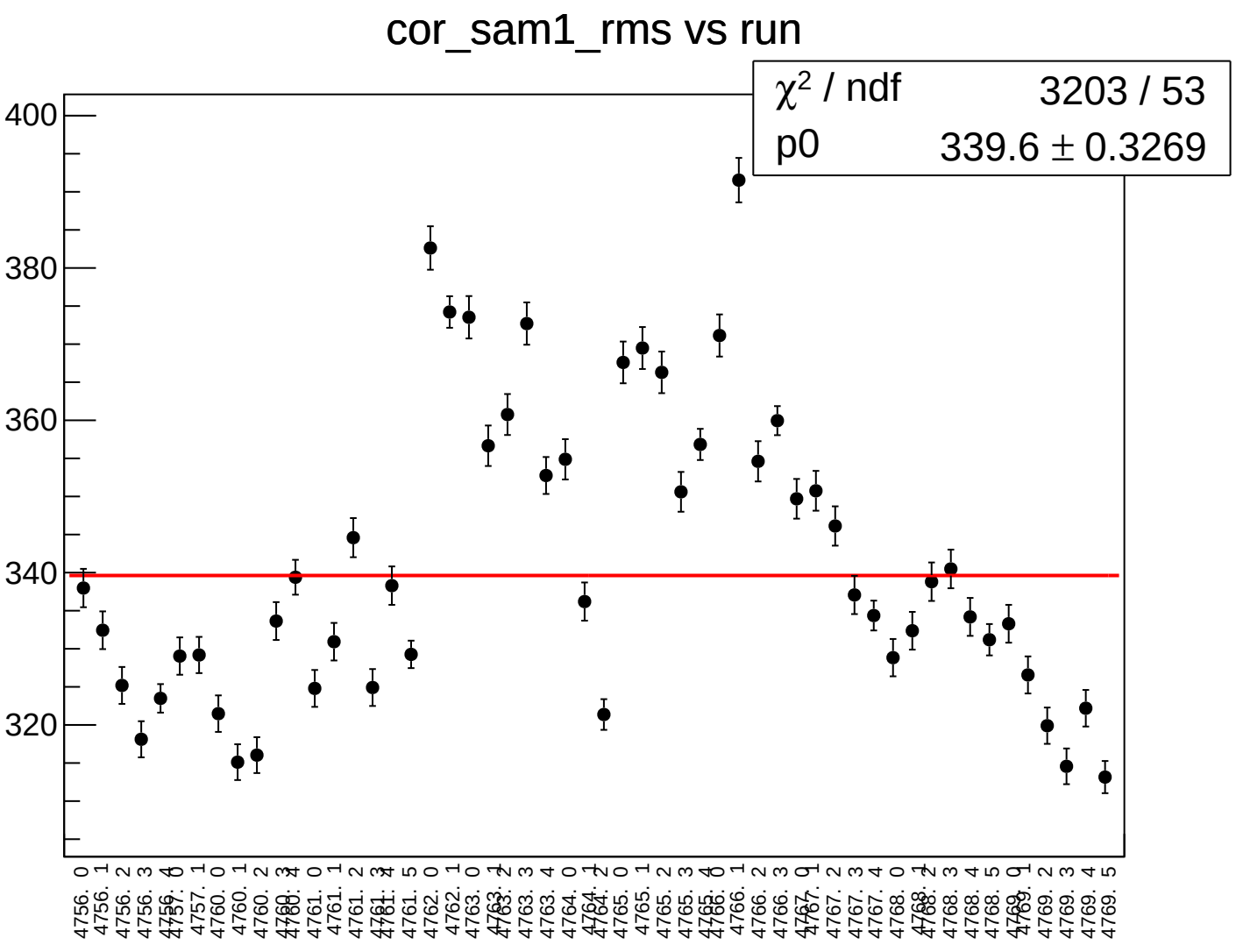

yield_sam7_rms vs run
χ² / ndf 1.603e+04 / 53
p0 0.1376 ± 0.0001333
0.22
0.2
0.18
0.16
0.14
0.12
0.1
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

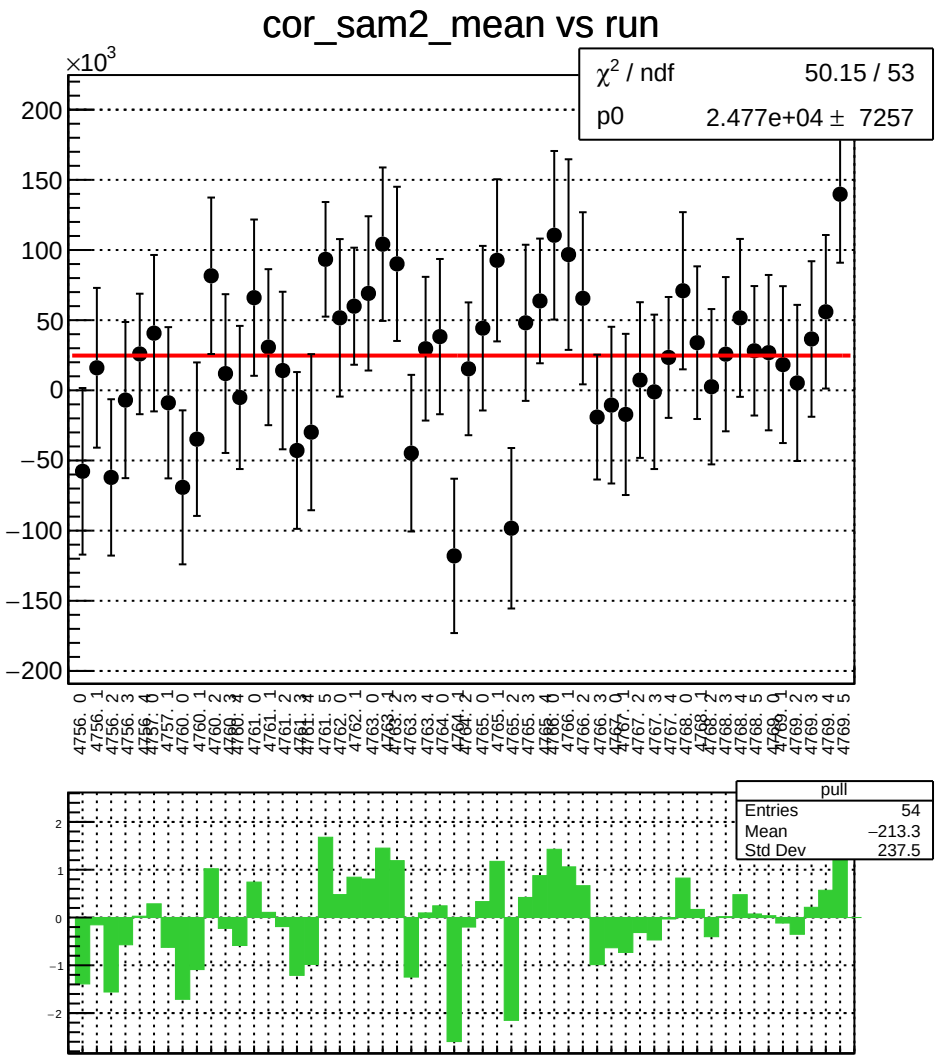

yield_sam8_mean vs run
χ² / ndf 1.21e+05 / 53
p0 5.895 ± 7.547e−05
5.98
5.96
5.94
5.92
5.9
5.88
5.86
5.84
5.82
pull
Entries 54
Mean 246.8
Std Dev 230.1
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 54
Mean −0.8902
Std Dev 4.107
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

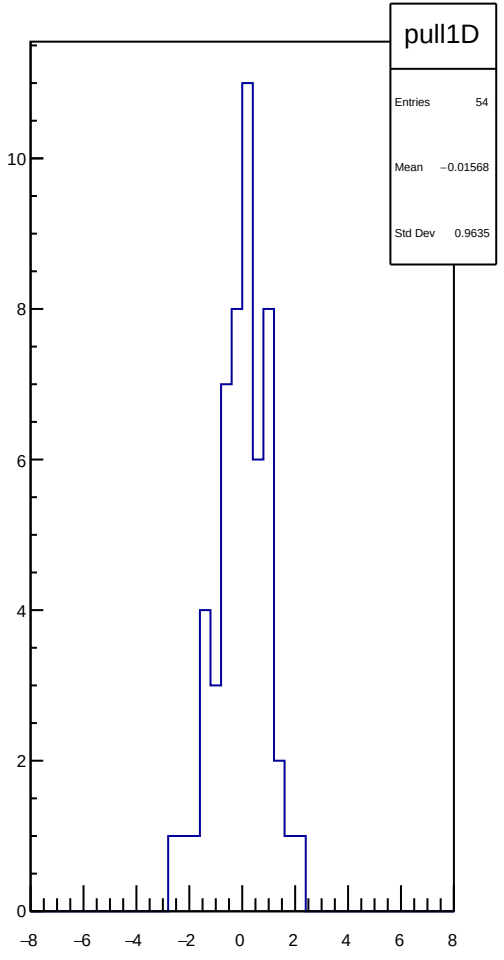

yield_sam8_rms vs run
χ² / ndf 3.67e+04 / 53
p0 0.05458 ± 5.337e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

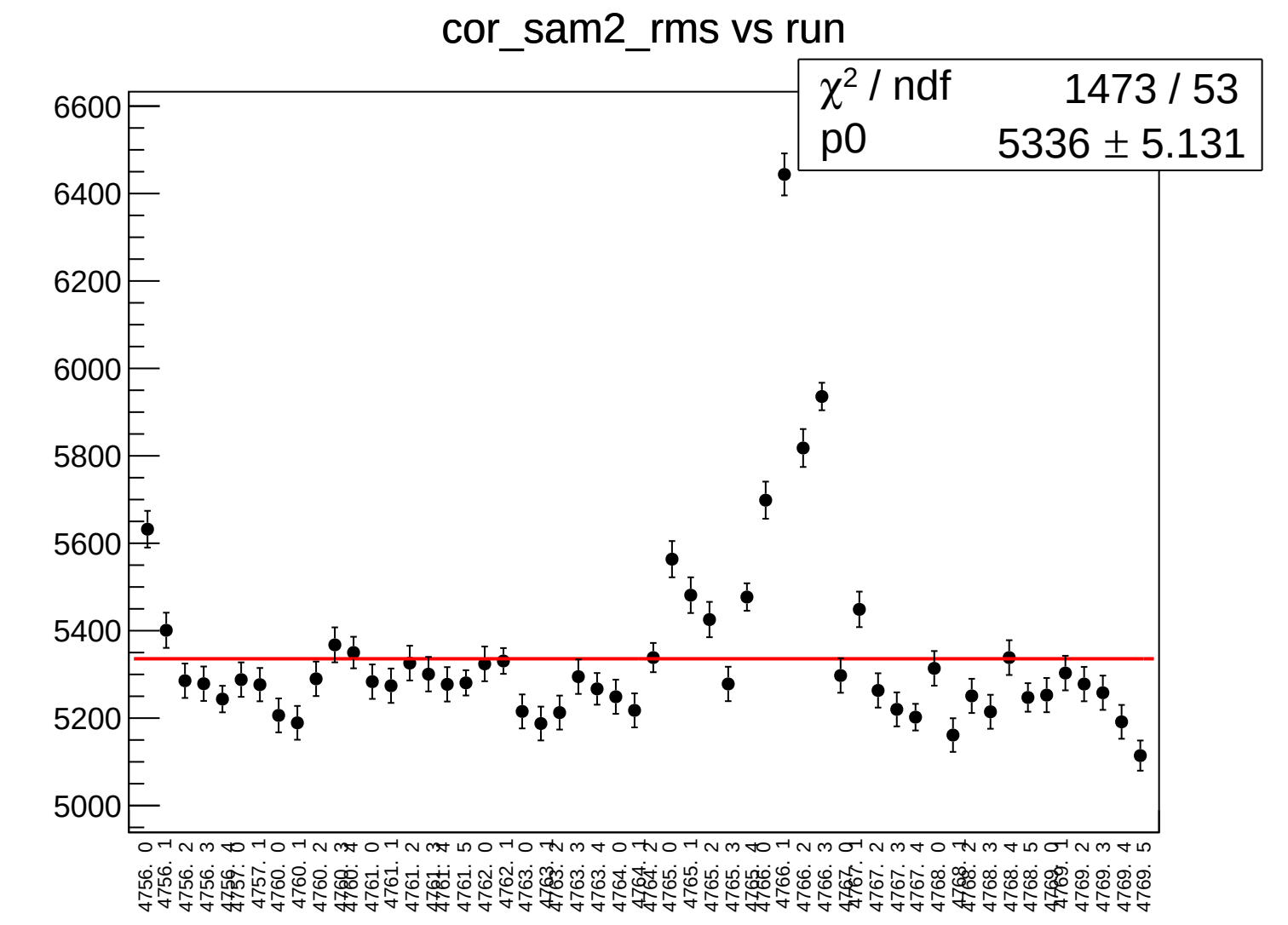

cor_sam1_mean vs run
χ² / ndf 53.61 / 53
p0 −743.1± 462.3
pull
Entries 54
Mean 512.5
Std Dev 489.3

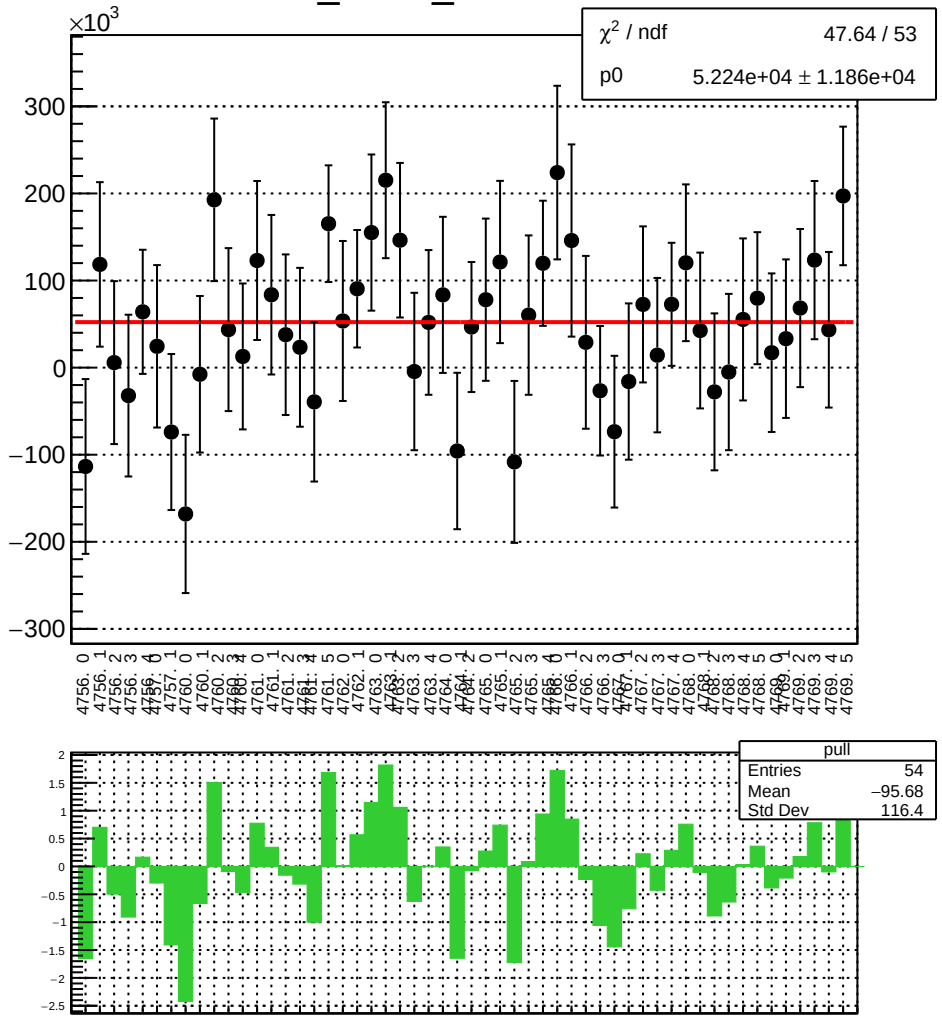

pull1D
Entries 54
Mean 0.01179
Std Dev 0.9963

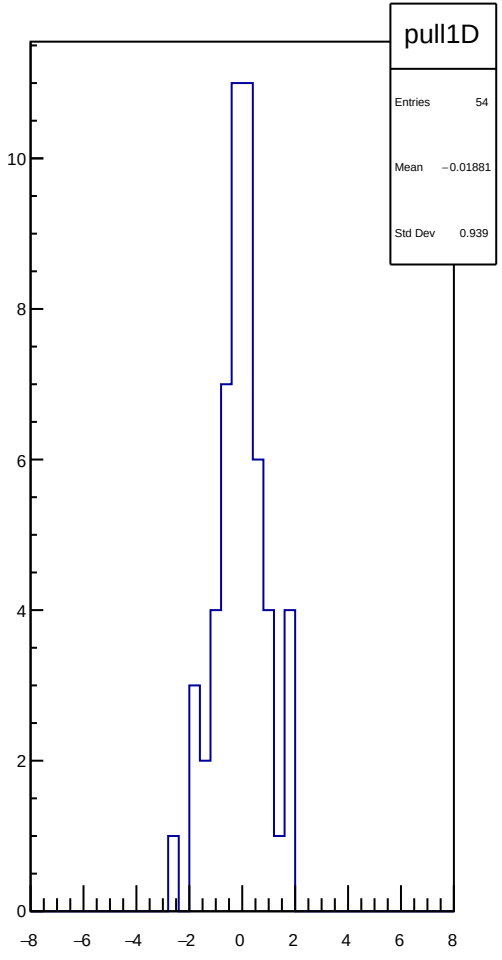

cor_sam1_rms vs run
χ² / ndf 3203 / 53
p0 339.6 ± 0.3269
400
380
360
340
320
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

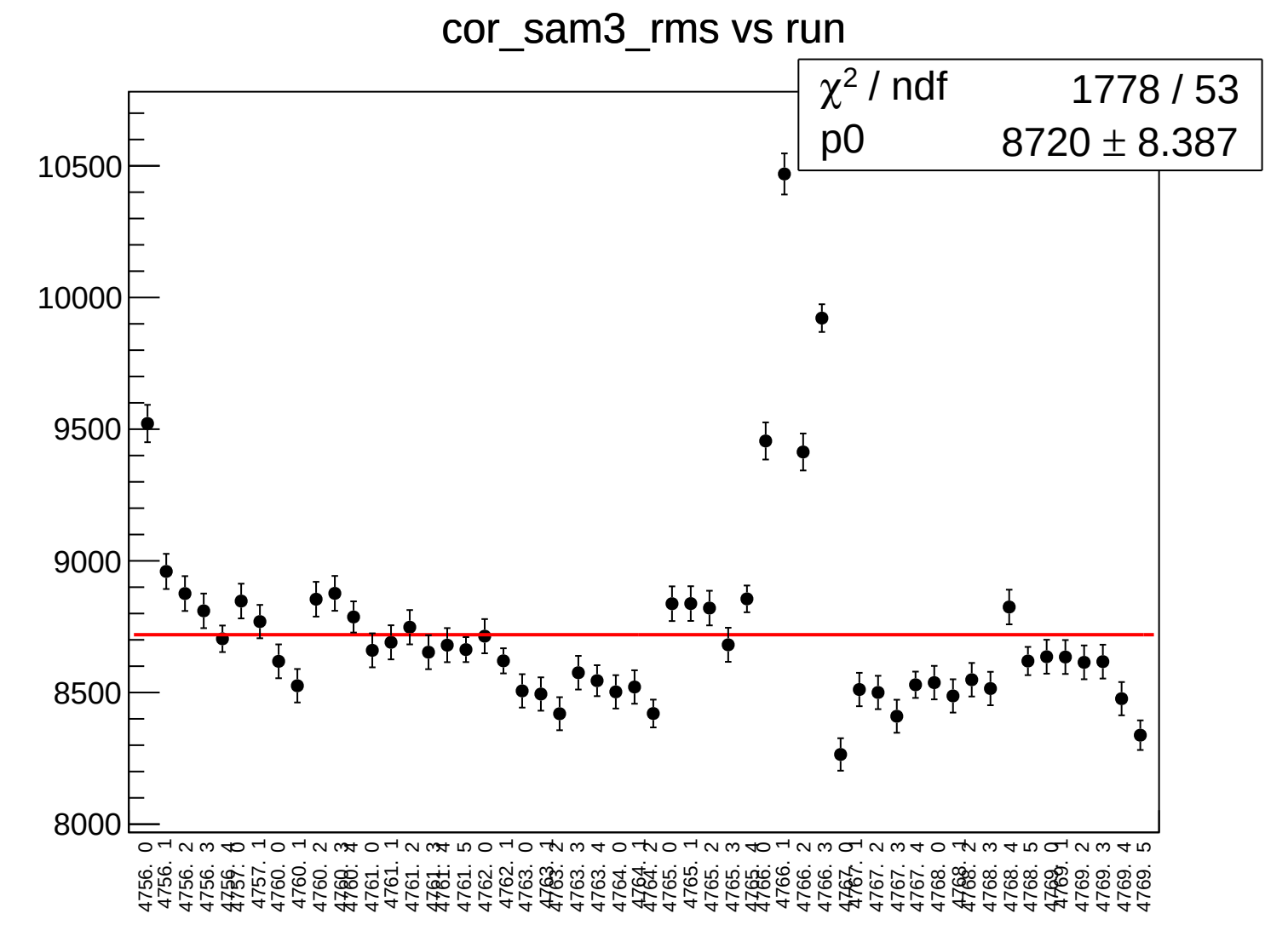

cor_sam2_mean vs run
×10^3
χ² / ndf 50.15 / 53
p0 2.477e+04 ± 7257
pull
Entries 54
Mean −213.3
Std Dev 237.5

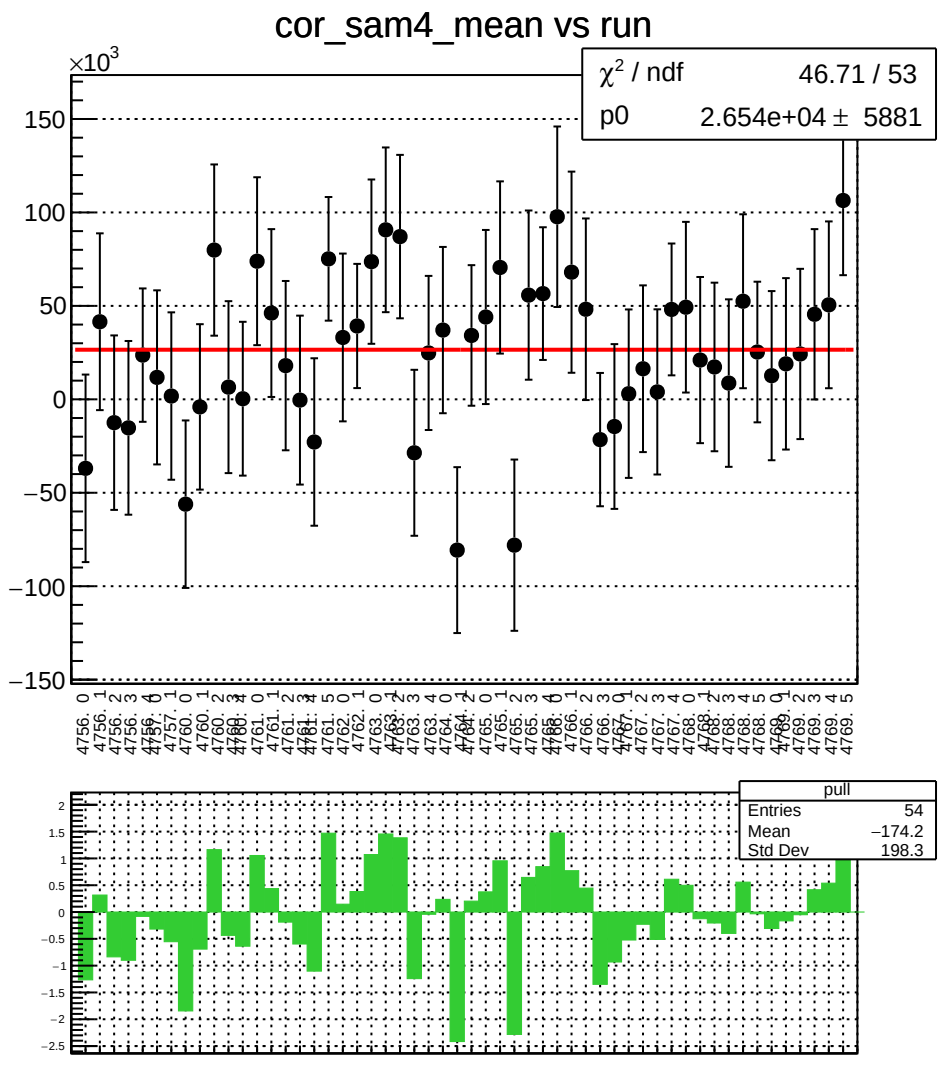

pull1D
Entries 54
Mean −0.01568
Std Dev 0.9635

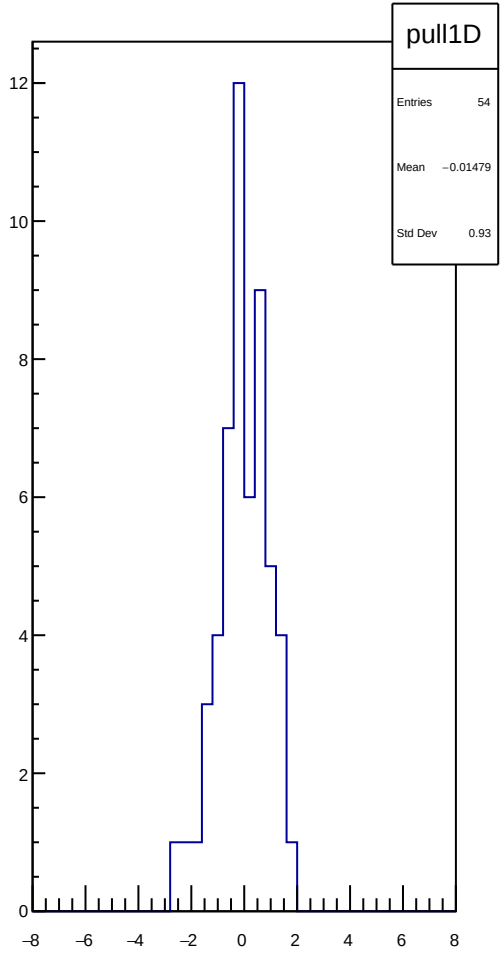

cor_sam2_rms vs run
χ² / ndf 1473 / 53
p0 5336 ± 5.131
6600
6400
6200
6000
5800
5600
5400
5200
5000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

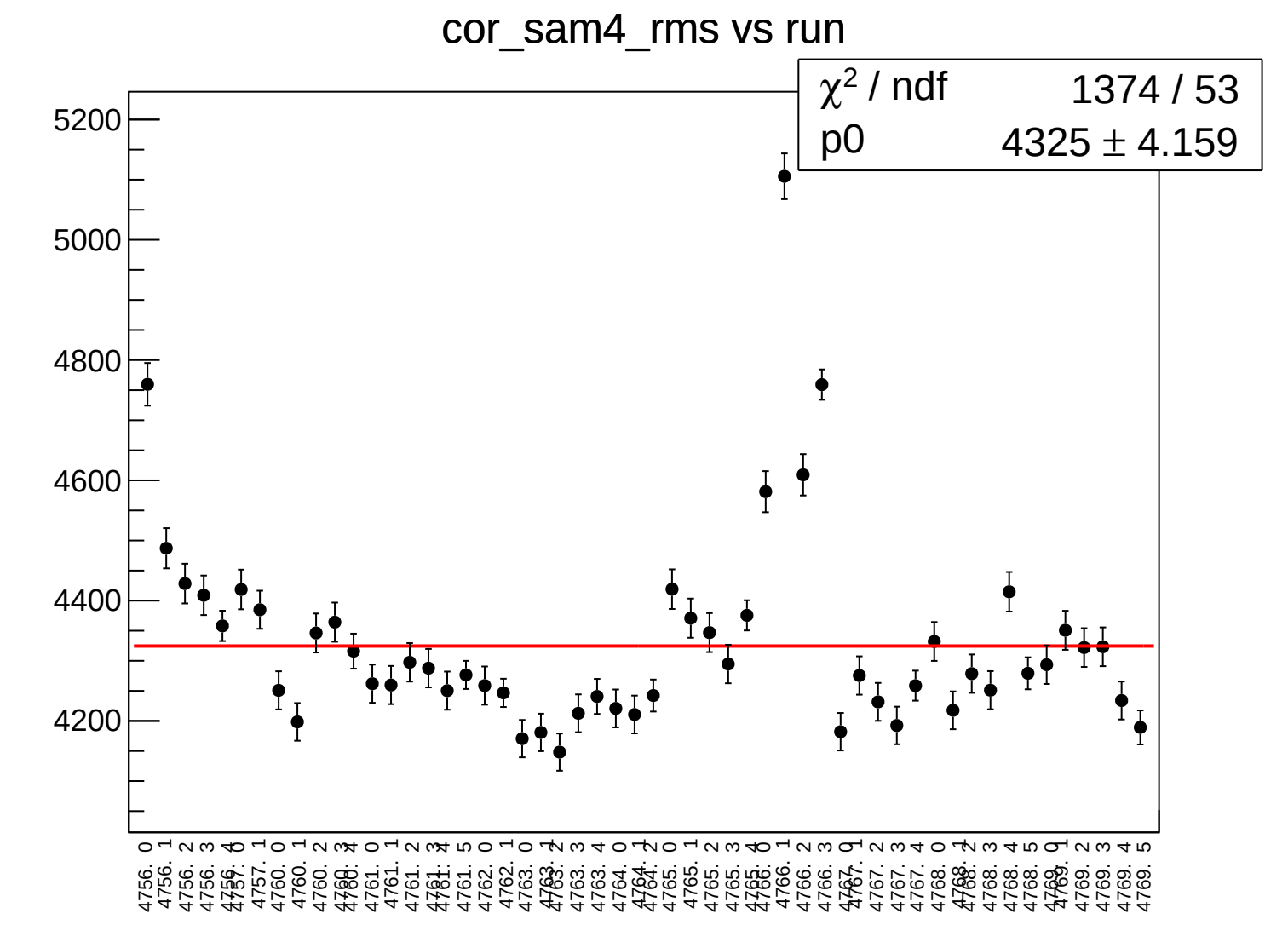

cor_sam3_mean vs run
×10^3
χ² / ndf 47.64 / 53
p0 5.224e+04 ± 1.186e+04
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean −95.68
Std Dev 116.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

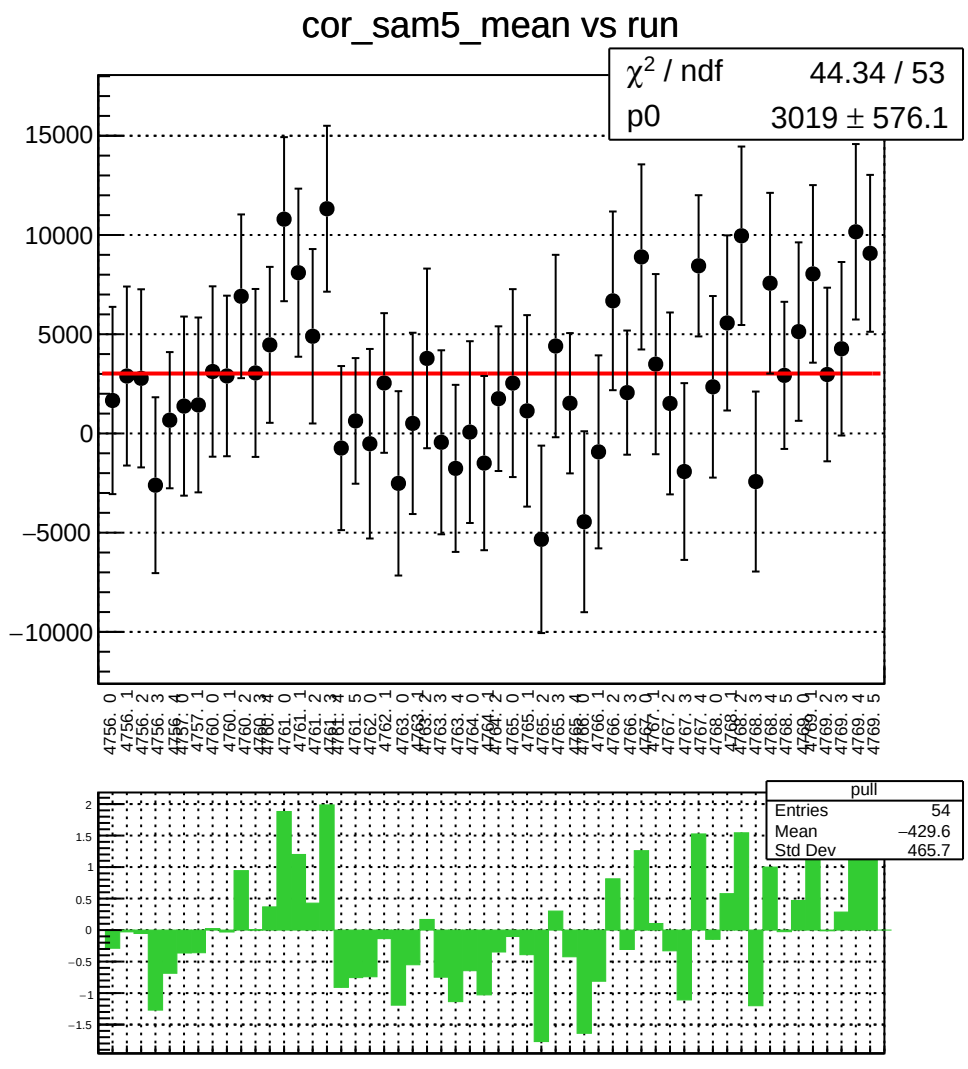

pull1D
Entries 54
Mean −0.01881
Std Dev 0.939
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

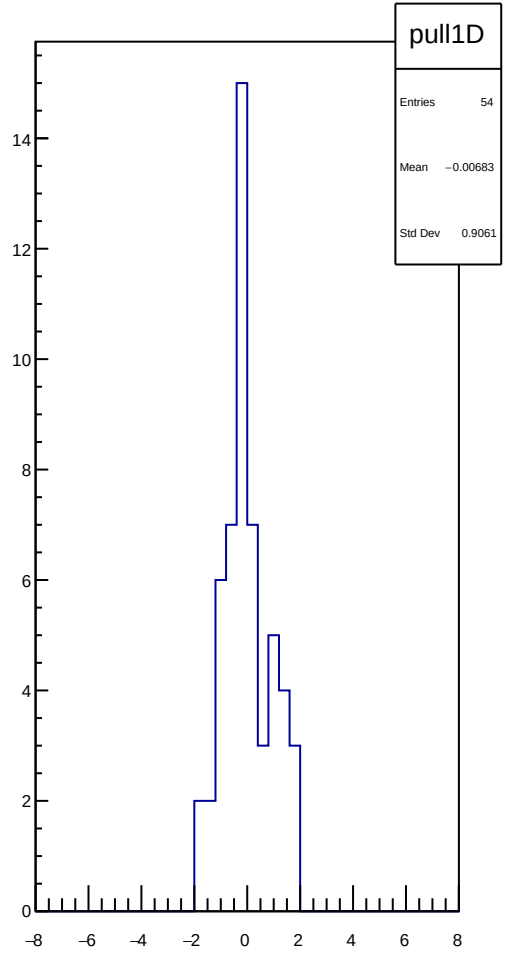

cor_sam3_rms vs run
χ² / ndf 1778 / 53
p0 8720 ± 8.387
10500
10000
9500
9000
8500
8000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

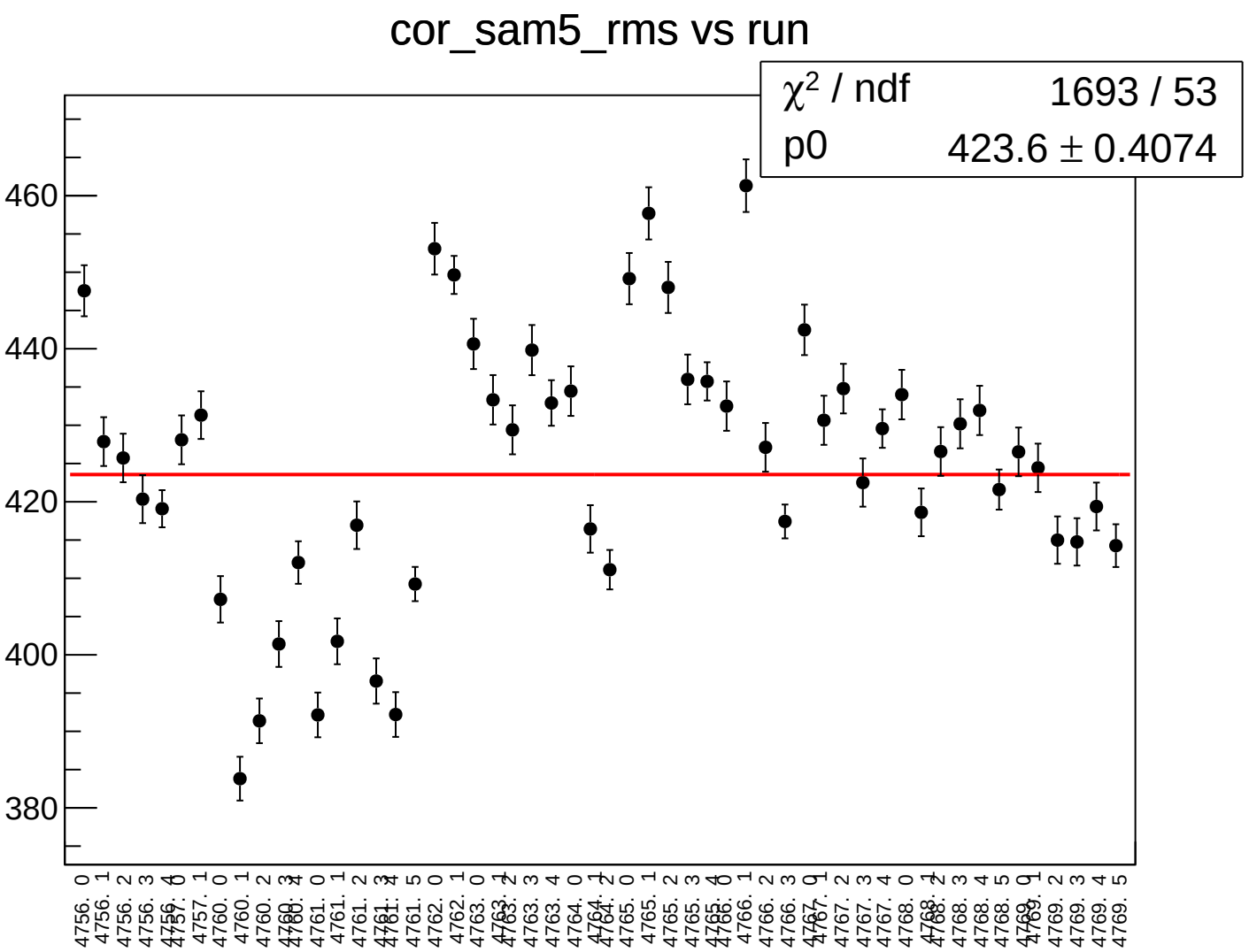

cor_sam4_mean vs run
×10^3
χ² / ndf 46.71 / 53
p0 2.654e+04 ± 5881
150
100
50
0
−50
−100
−150
pull
Entries 54
Mean −174.2
Std Dev 198.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

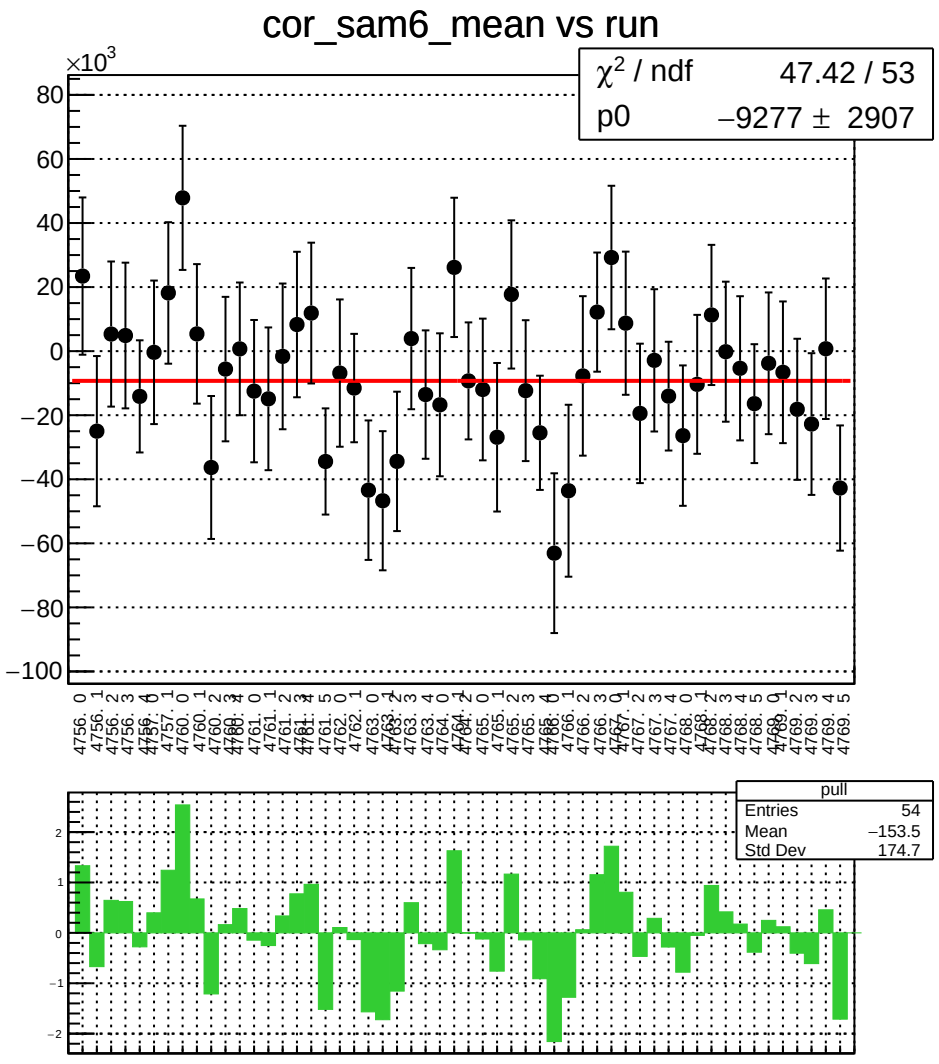

pull1D
Entries 54
Mean −0.01479
Std Dev 0.93
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

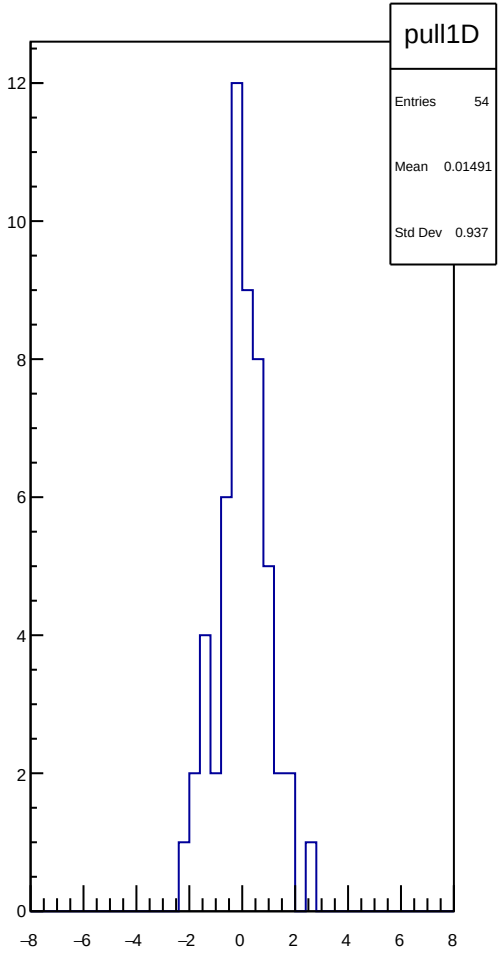

cor_sam4_rms vs run
χ² / ndf 1374 / 53
p0 4325 ± 4.159
5200
5000
4800
4600
4400
4200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

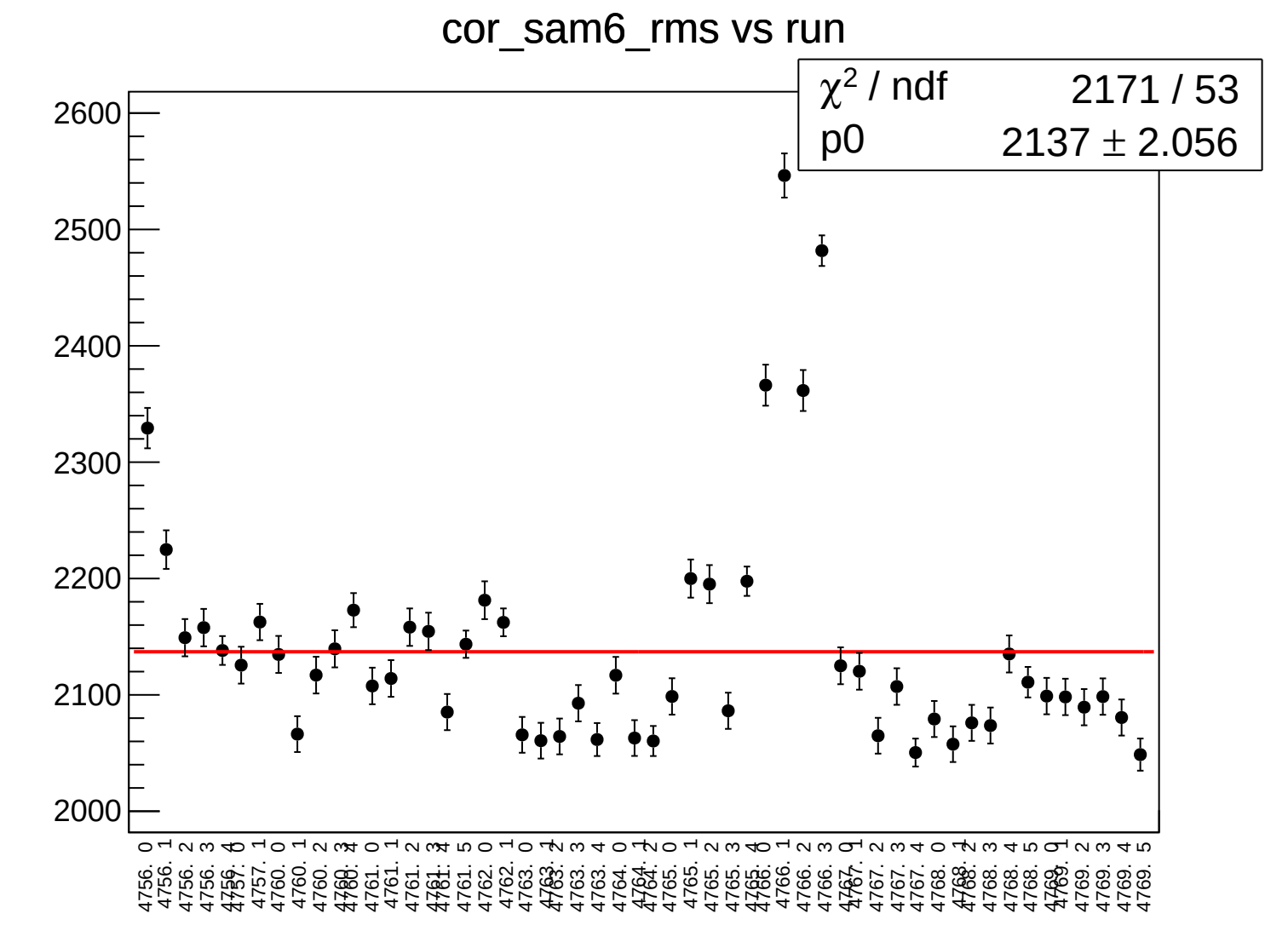

cor_sam5_mean vs run
χ² / ndf 44.34 / 53
p0 3019 ± 576.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean −429.6
Std Dev 465.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

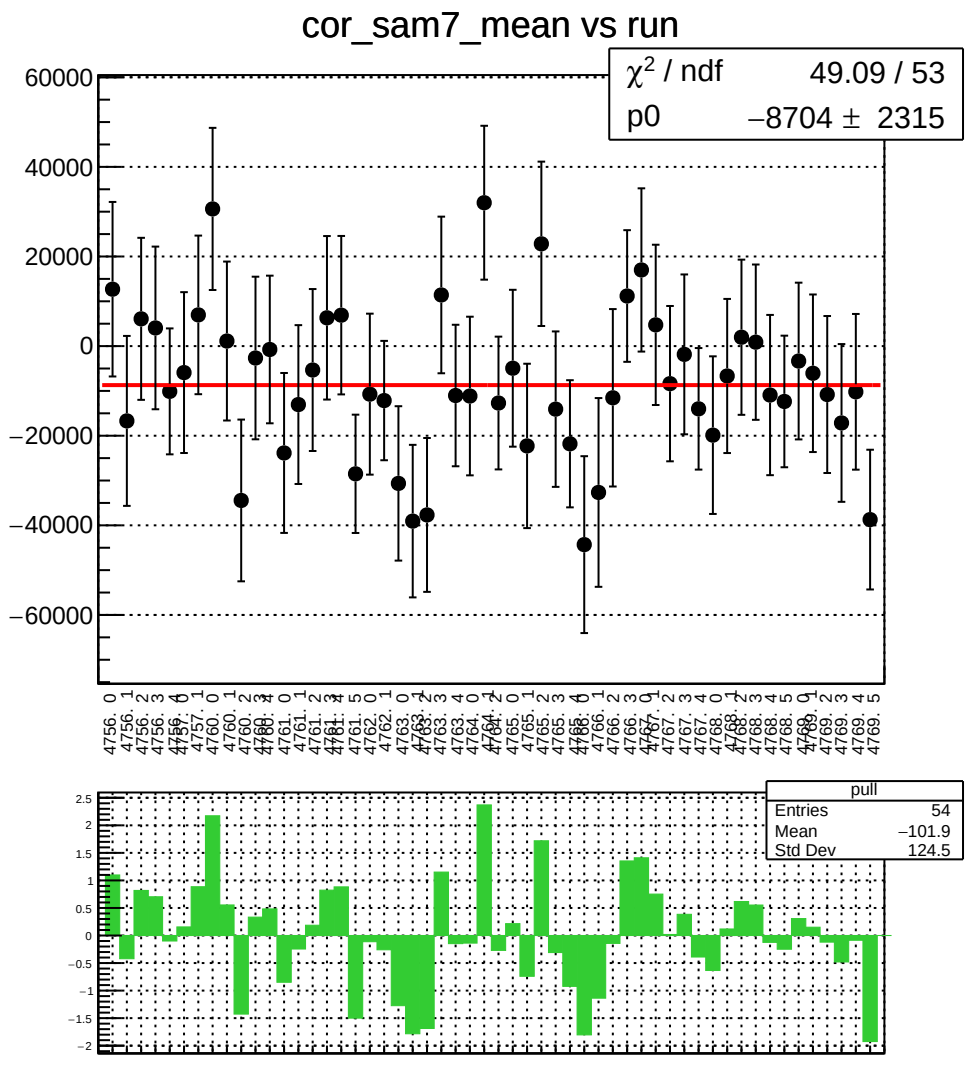

pull1D
Entries 54
Mean −0.00683
Std Dev 0.9061
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

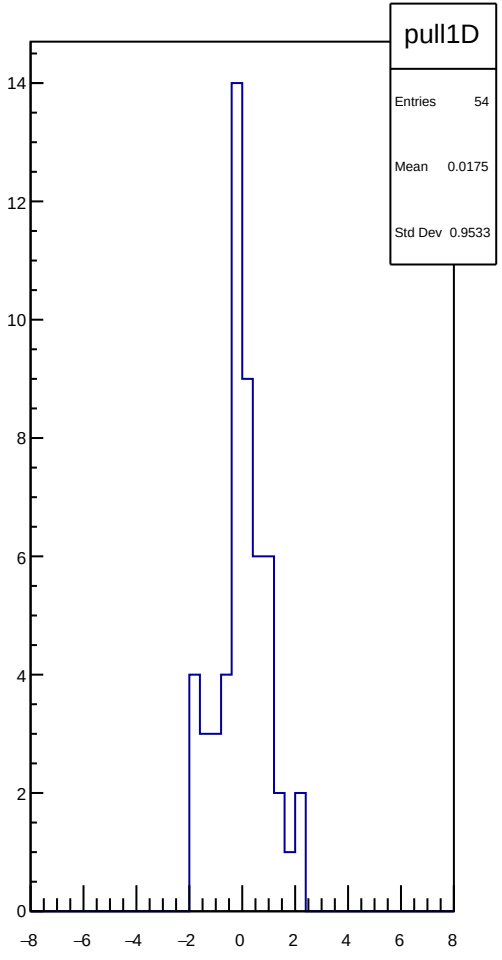

cor_sam5_rms vs run
χ² / ndf 1693 / 53
p0 423.6 ± 0.4074
460
440
420
400
380
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

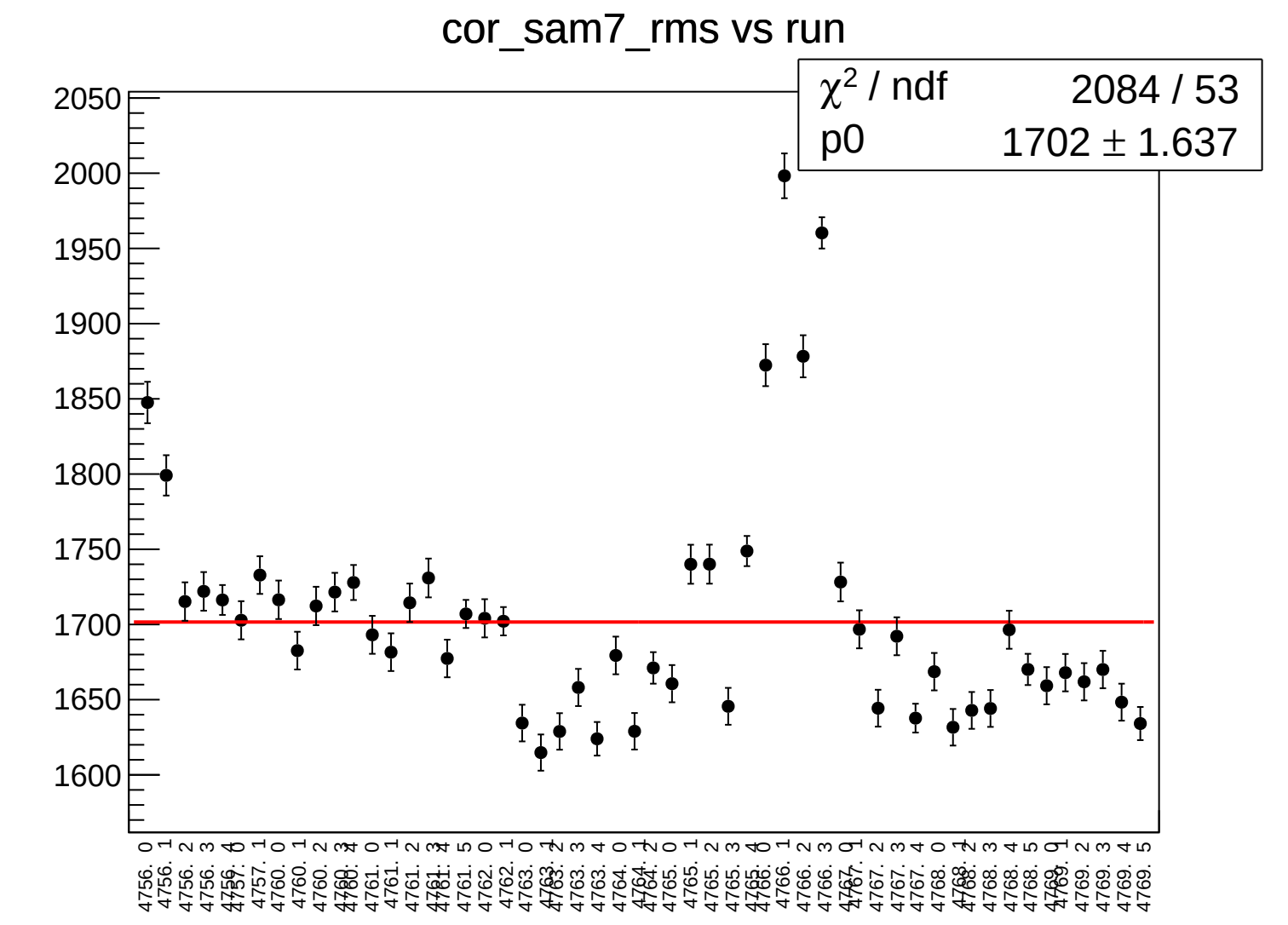

cor_sam6_mean vs run
×10^3
χ^2 / ndf 47.42 / 53
p0 −9277 ± 2907
pull
Entries 54
Mean −153.5
Std Dev 174.7

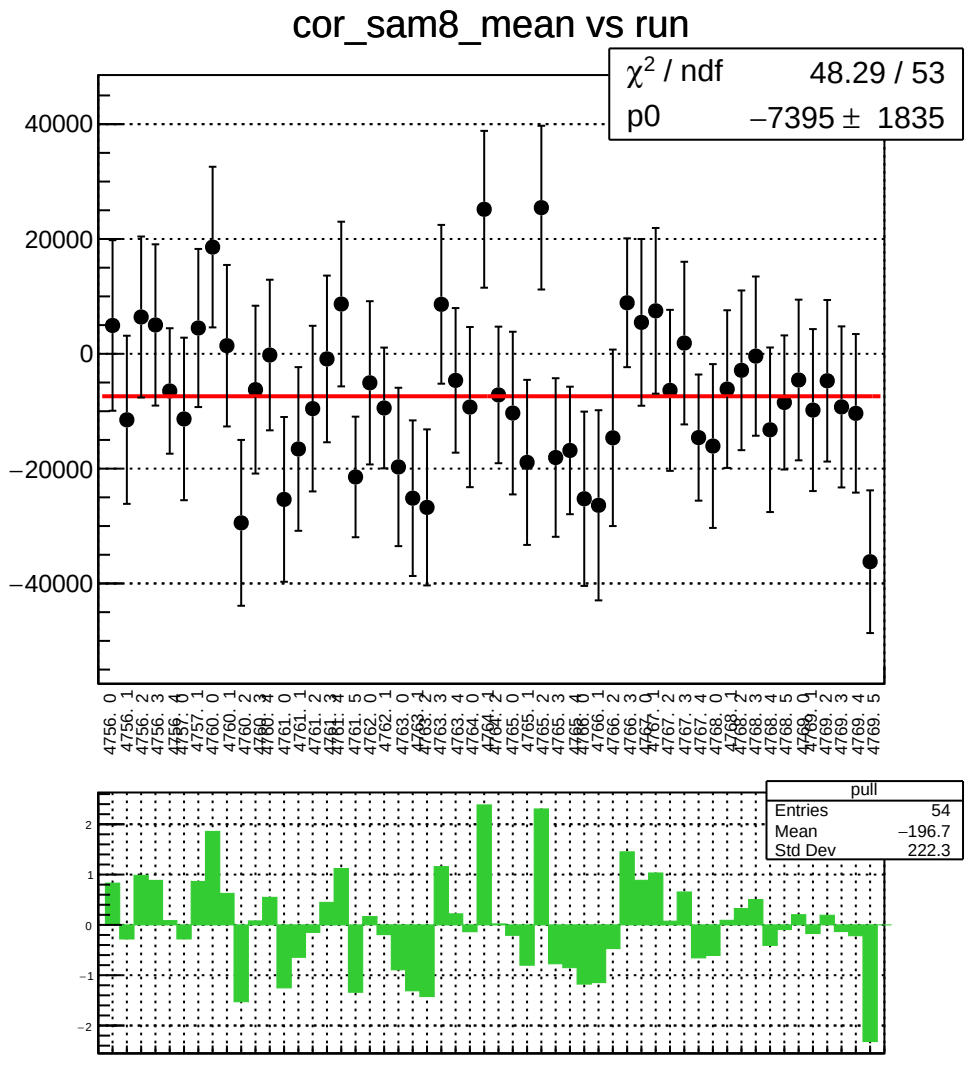

pull1D
Entries 54
Mean 0.01491
Std Dev 0.937

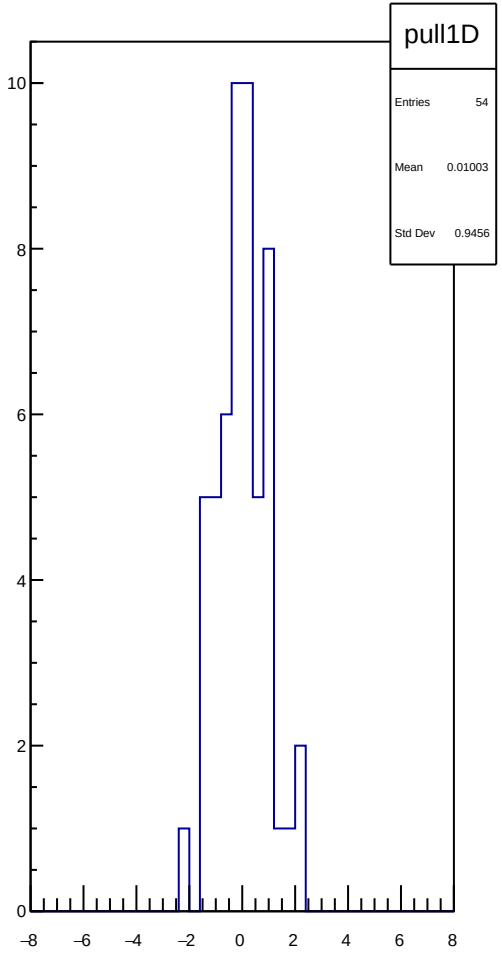

cor_sam6_rms vs run
χ² / ndf 2171 / 53
p0 2137 ± 2.056
2600
2500
2400
2300
2200
2100
2000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

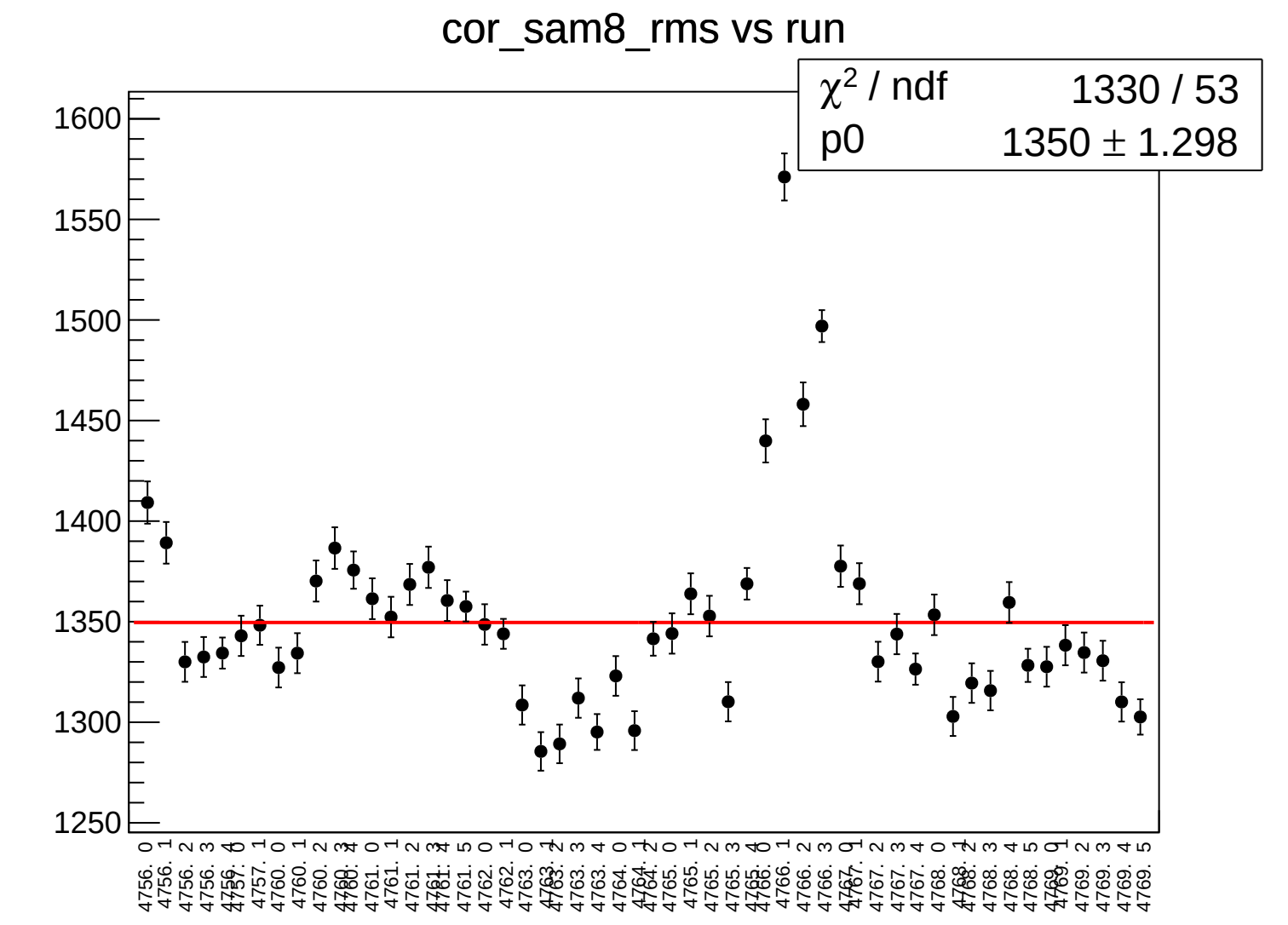

cor_sam7_mean vs run
χ² / ndf 49.09 / 53
p0 −8704 ± 2315
pull
Entries 54
Mean −101.9
Std Dev 124.5

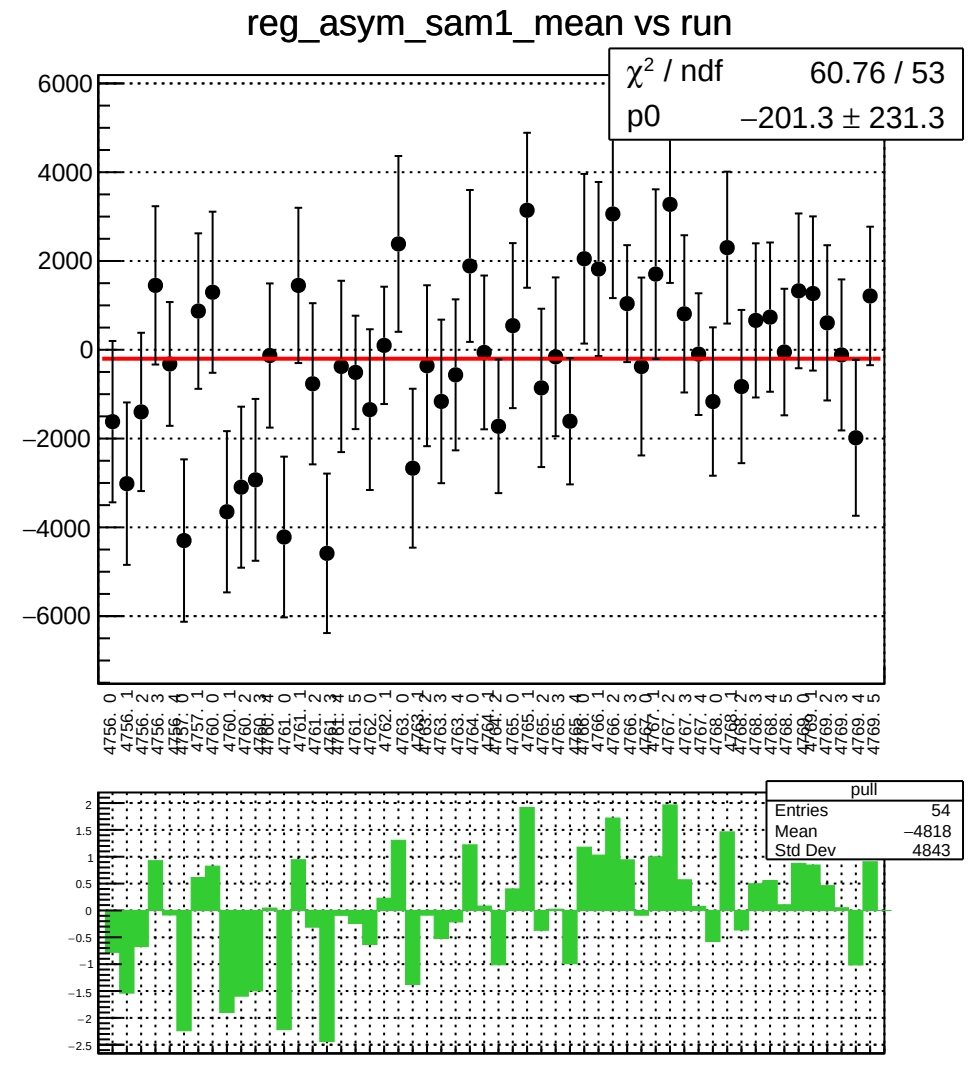

pull1D
Entries 54
Mean 0.0175
Std Dev 0.9533

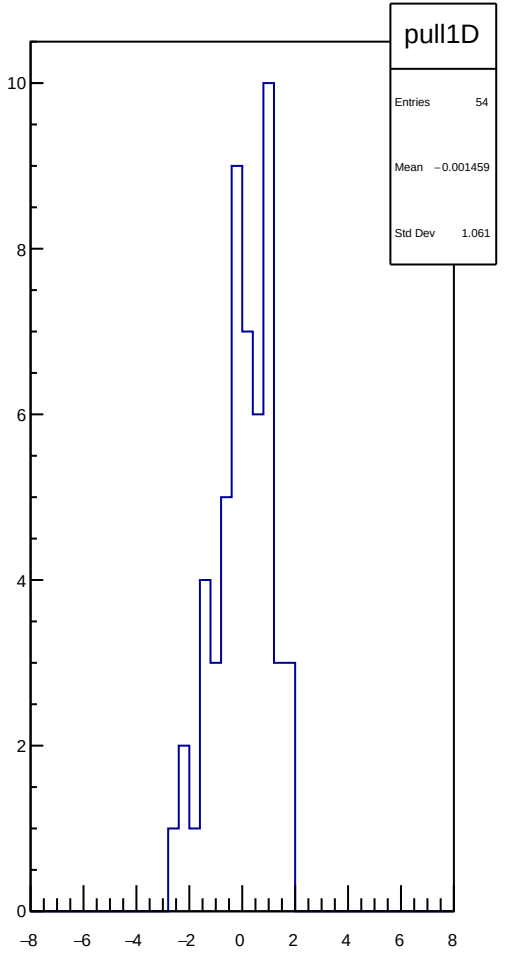

cor_sam7_rms vs run
χ² / ndf 2084 / 53
p0 1702 ± 1.637
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

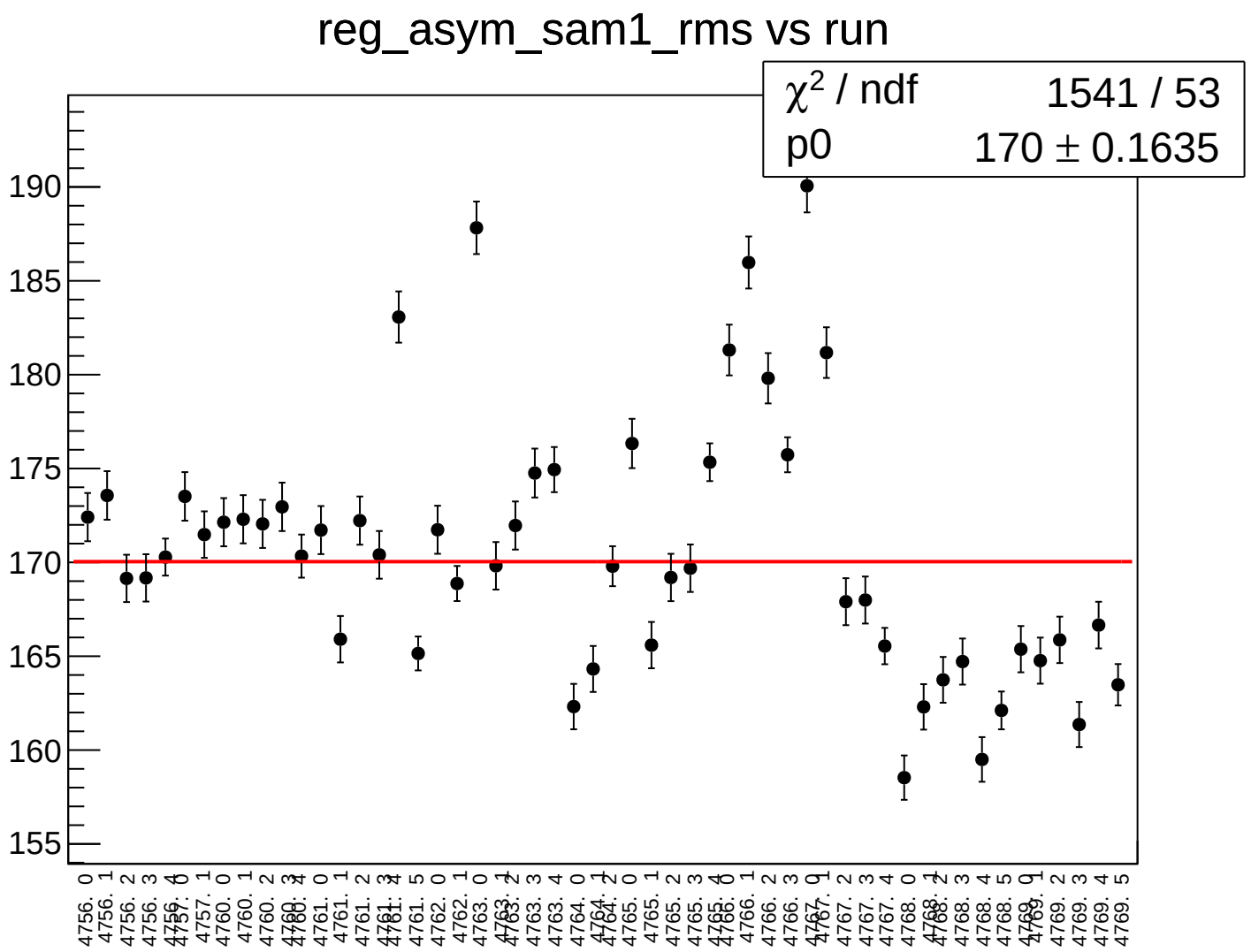

cor_sam8_mean vs run
χ² / ndf 48.29 / 53
p0 −7395 ± 1835
40000
20000
0
−20000
−40000
pull
Entries 54
Mean −196.7
Std Dev 222.3
2
1
0
−1
−2

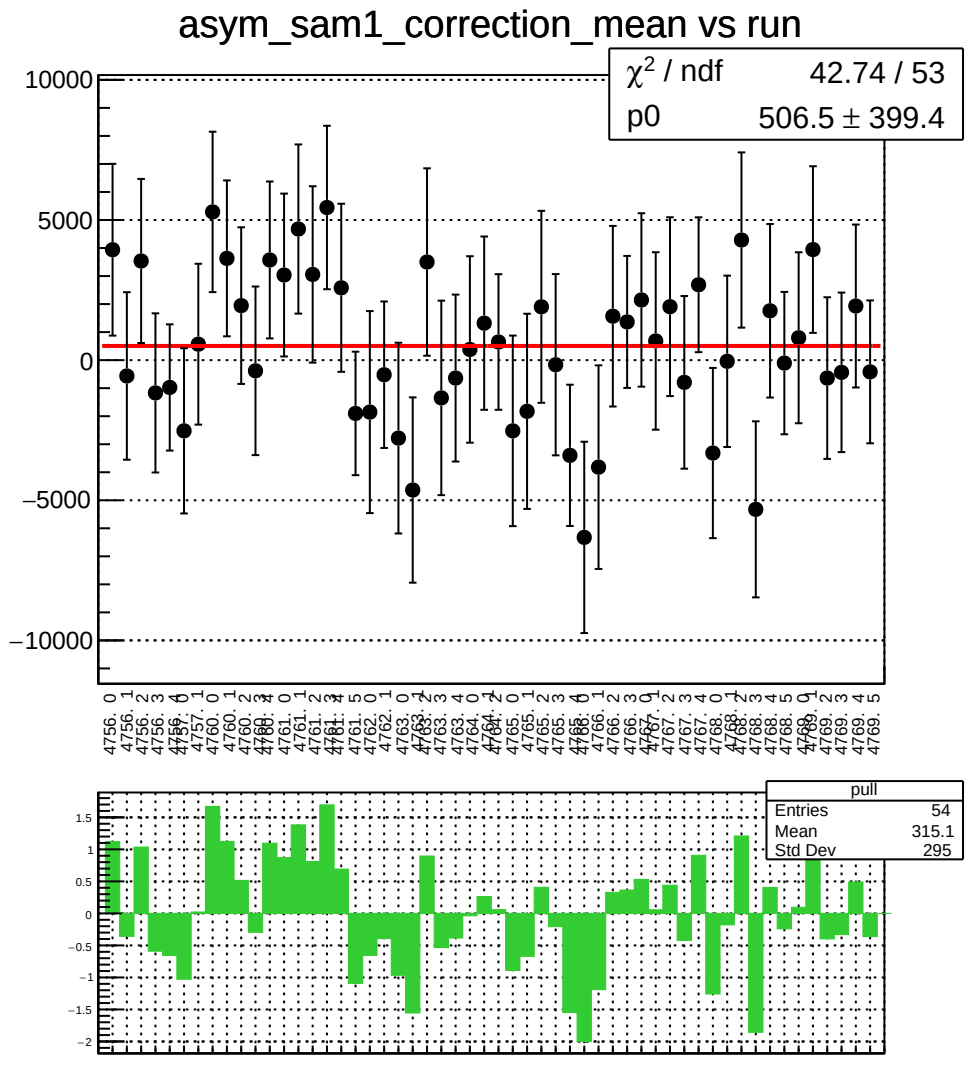

pull1D
Entries 54
Mean 0.01003
Std Dev 0.9456
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

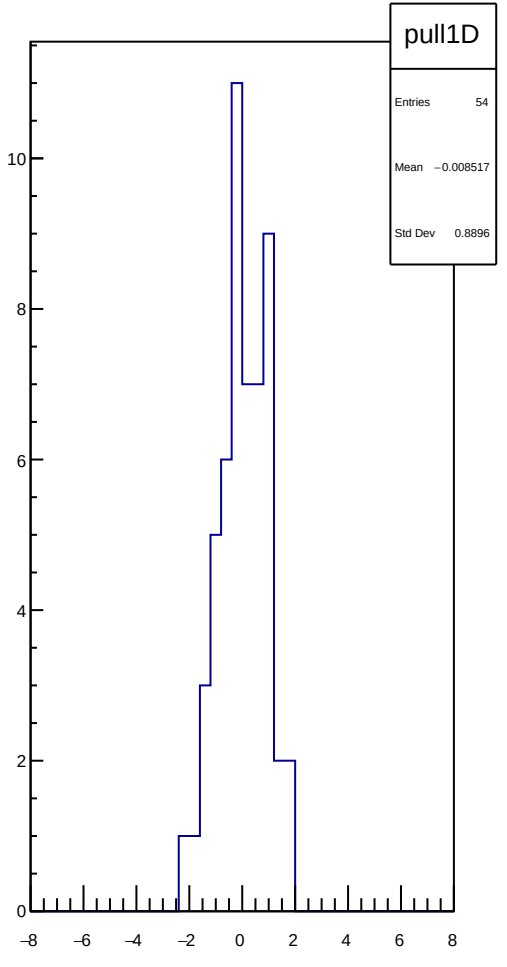

cor_sam8_rms vs run
χ² / ndf 1330 / 53
p0 1350 ± 1.298
1600
1550
1500
1450
1400
1350
1300
1250
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

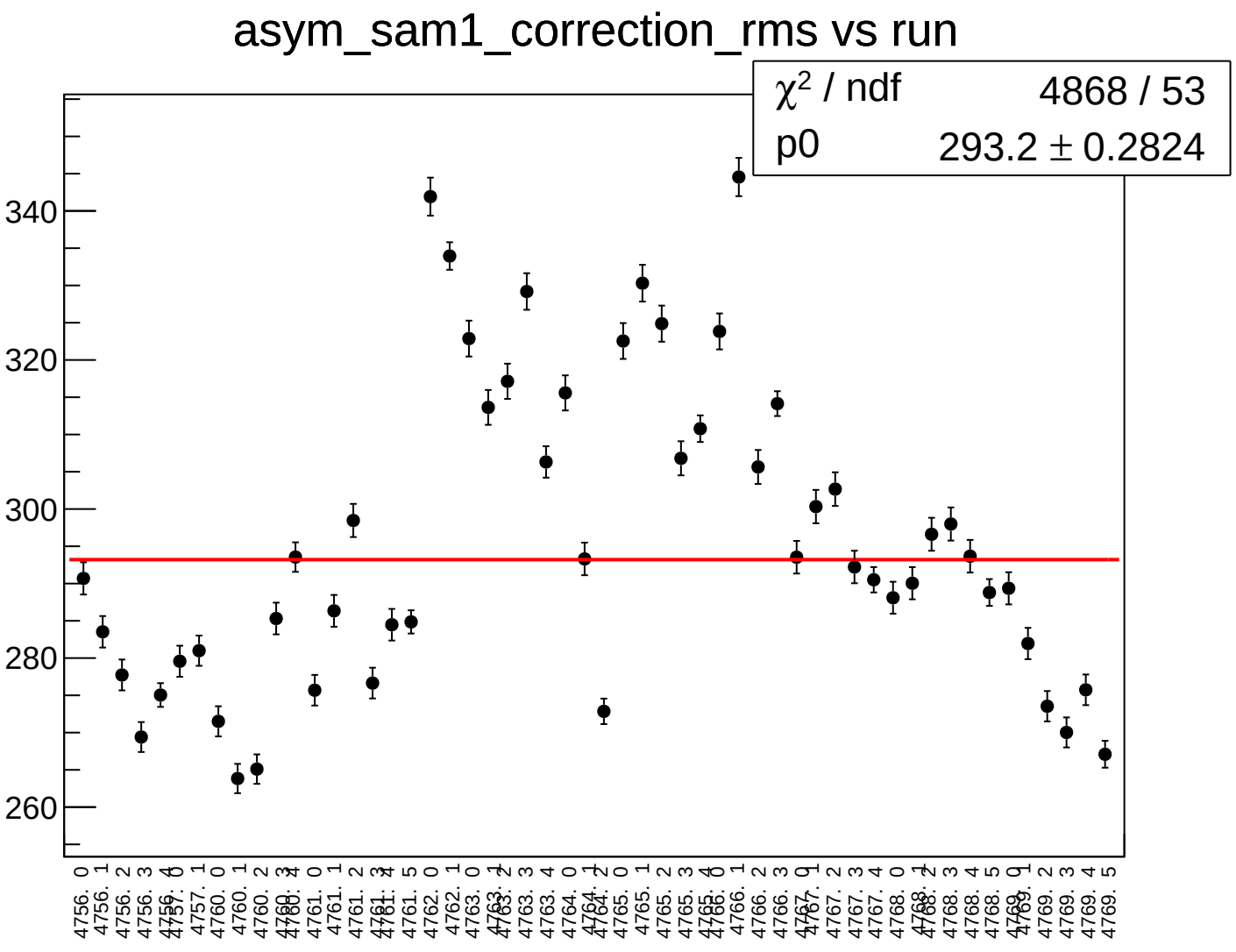

reg_asym_sam1_mean vs run
χ² / ndf 60.76 / 53
p0 −201.3 ± 231.3
pull
Entries 54
Mean −4818
Std Dev 4843

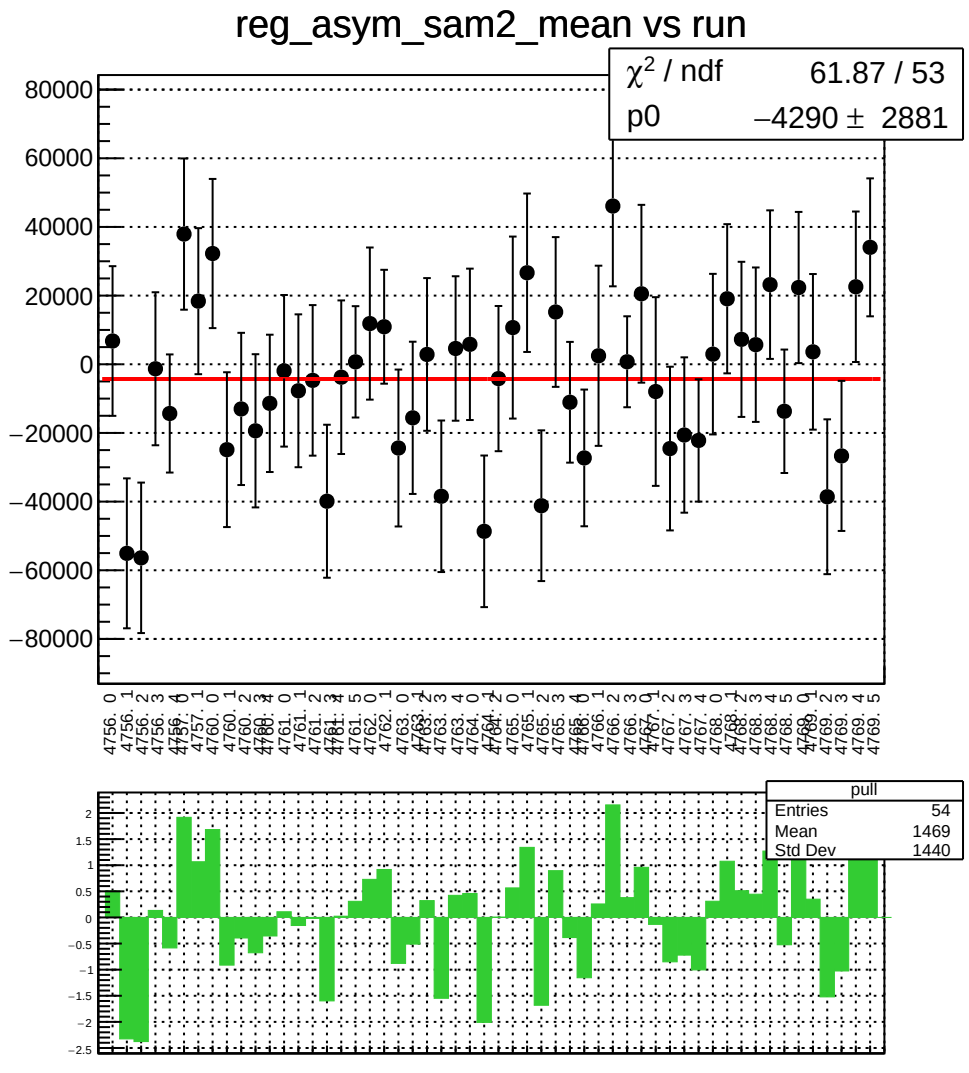

pull1D
Entries 54
Mean −0.001459
Std Dev 1.061

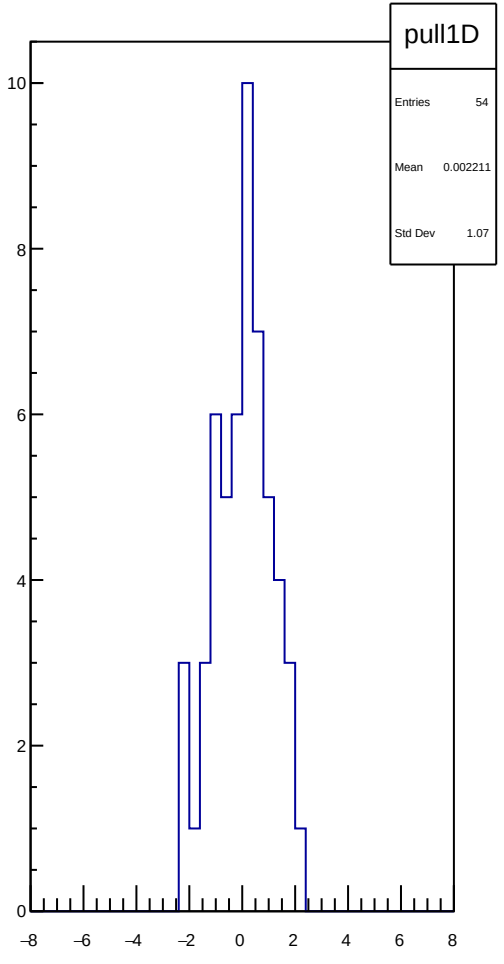

reg_asym_sam1_rms vs run
χ² / ndf 1541 / 53
p0 170 ± 0.1635
190
185
180
175
170
165
160
155
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

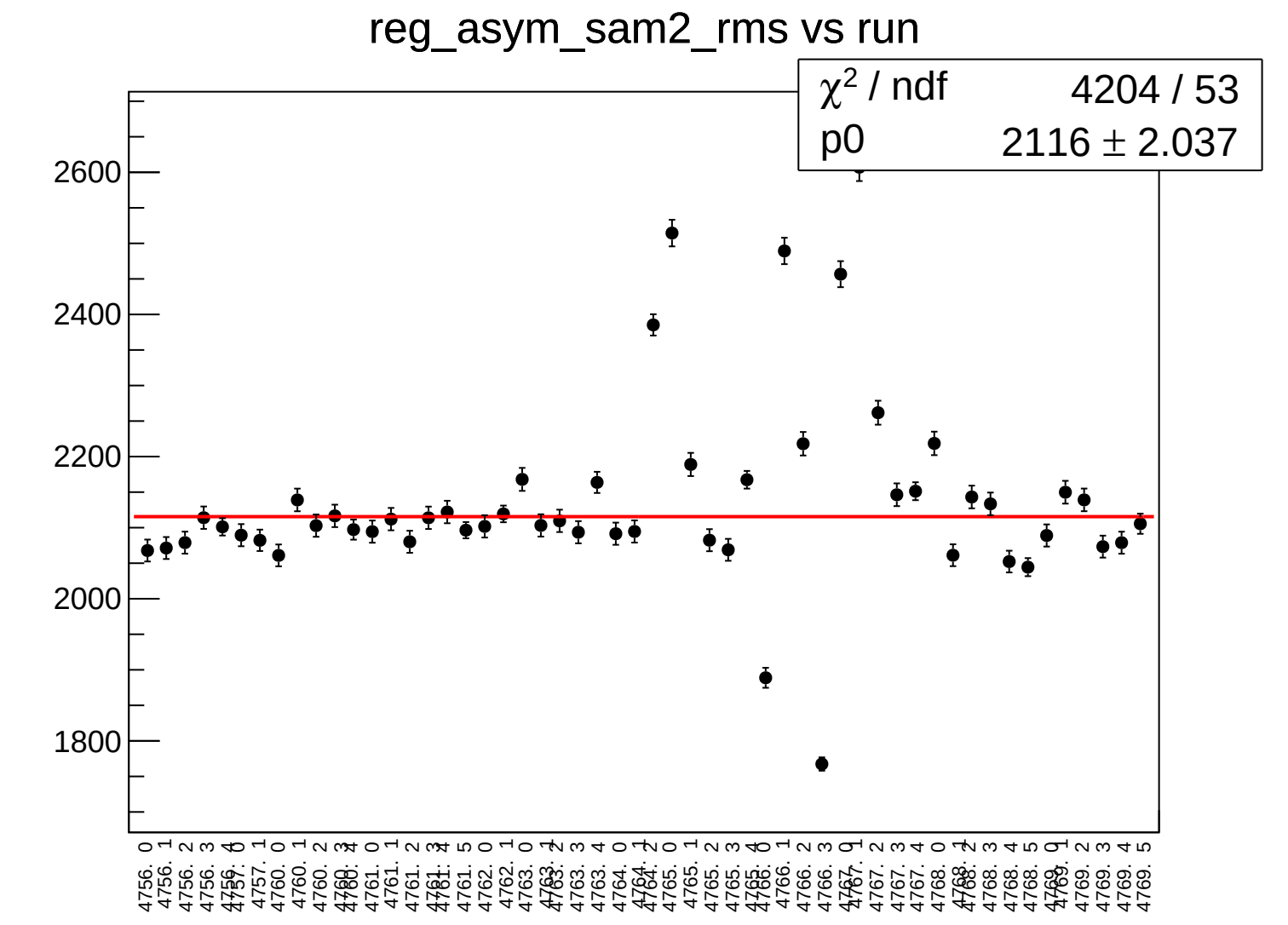

asym_sam1_correction_mean vs run
χ² / ndf 42.74 / 53
p0 506.5 ± 399.4
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 315.1
Std Dev 295
1.5
1
0.5
0
−0.5
−1
−1.5
−2

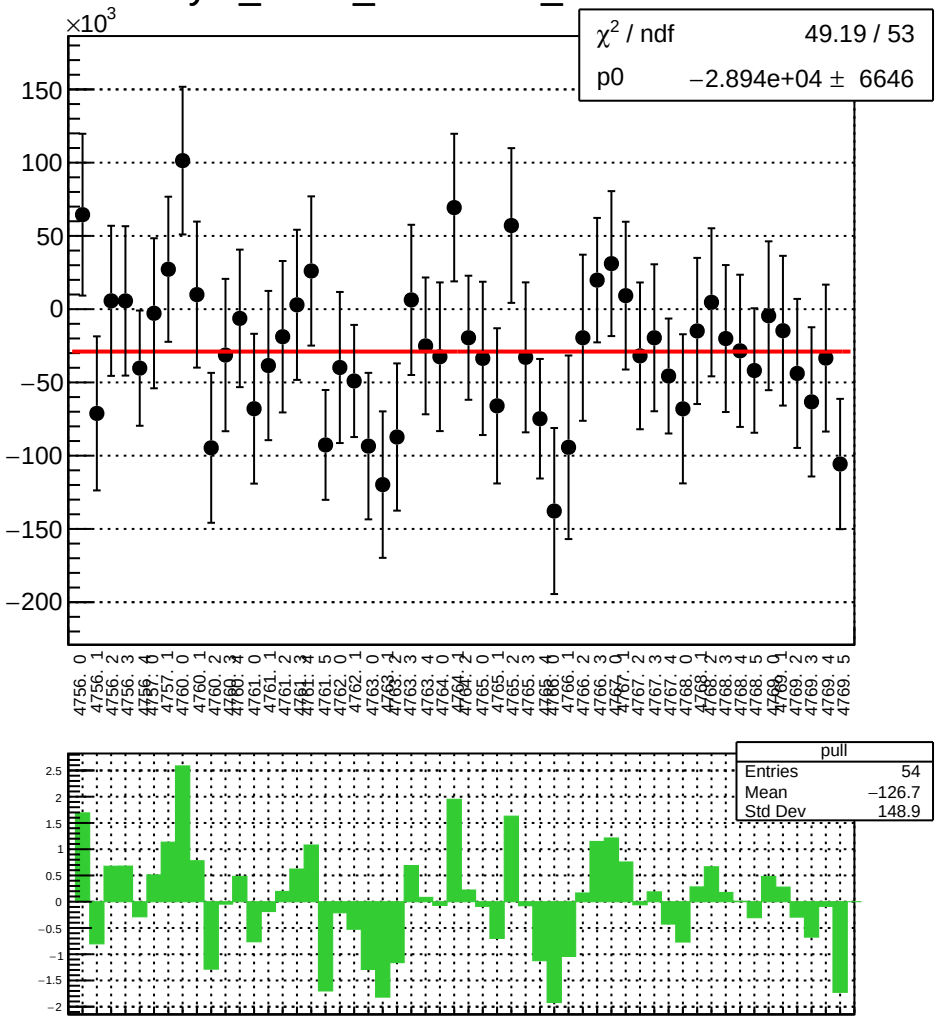

pull1D
Entries 54
Mean −0.008517
Std Dev 0.8896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

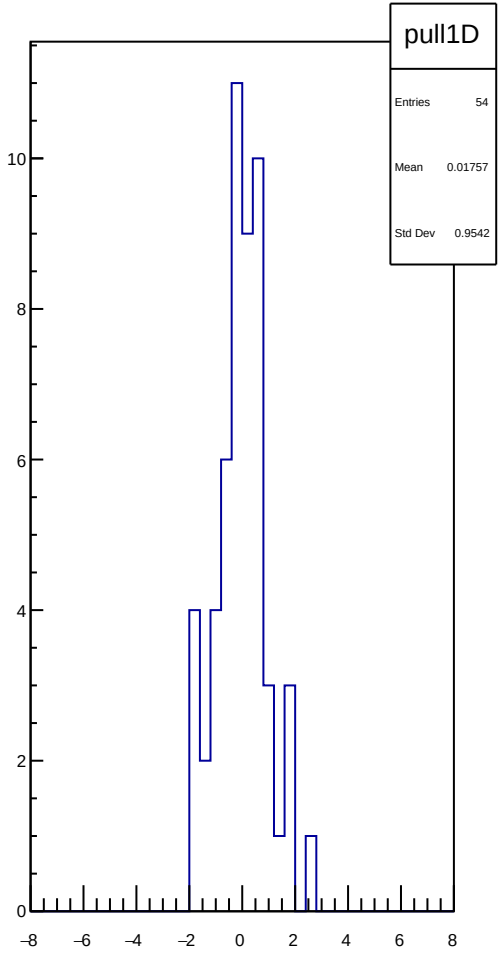

asym_sam1_correction_rms vs run
χ² / ndf 4868 / 53
p0 293.2 ± 0.2824
340
320
300
280
260
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

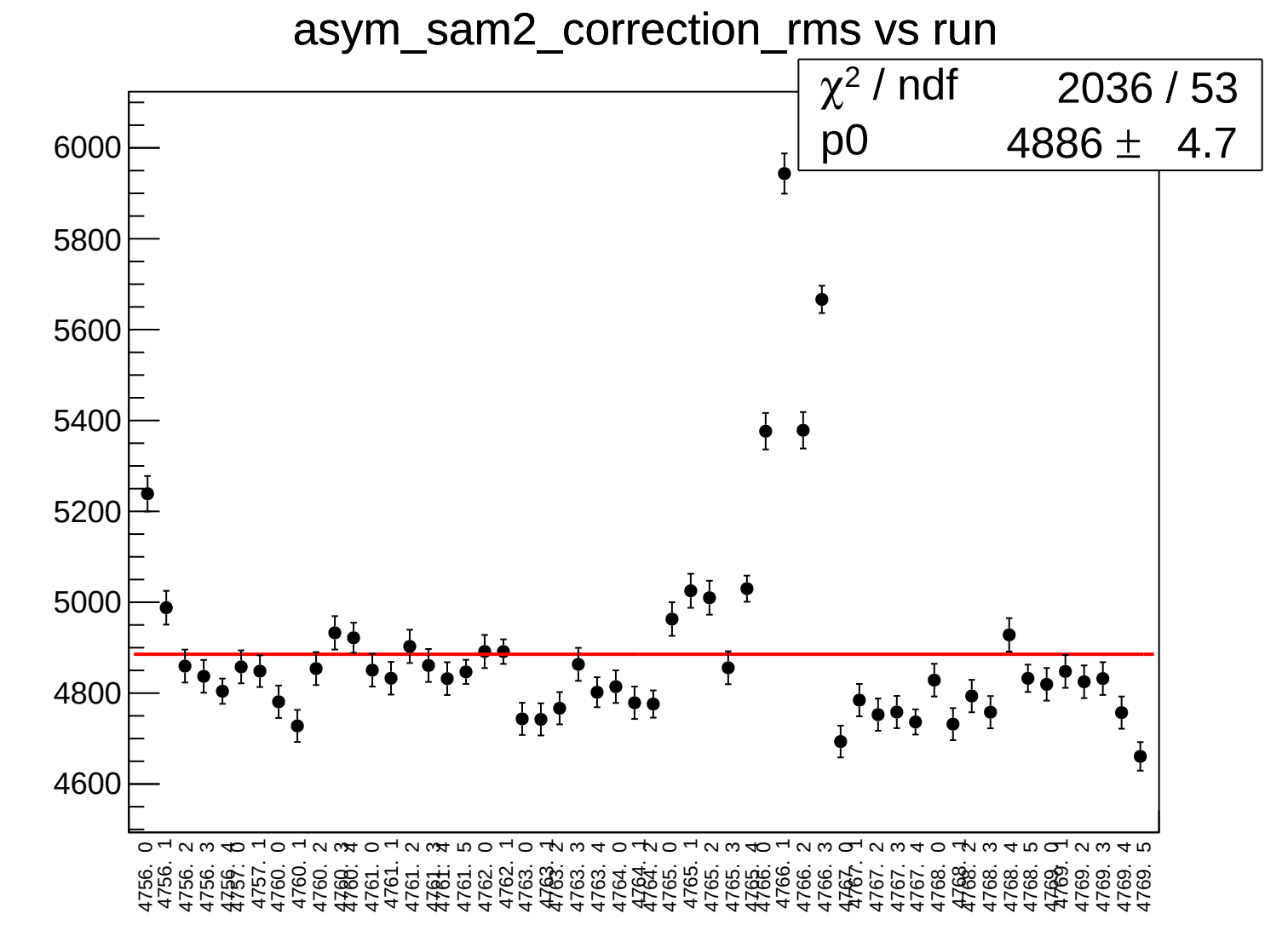

reg_asym_sam2_mean vs run
χ² / ndf 61.87 / 53
p0 −4290 ± 2881
pull
Entries 54
Mean 1469
Std Dev 1440

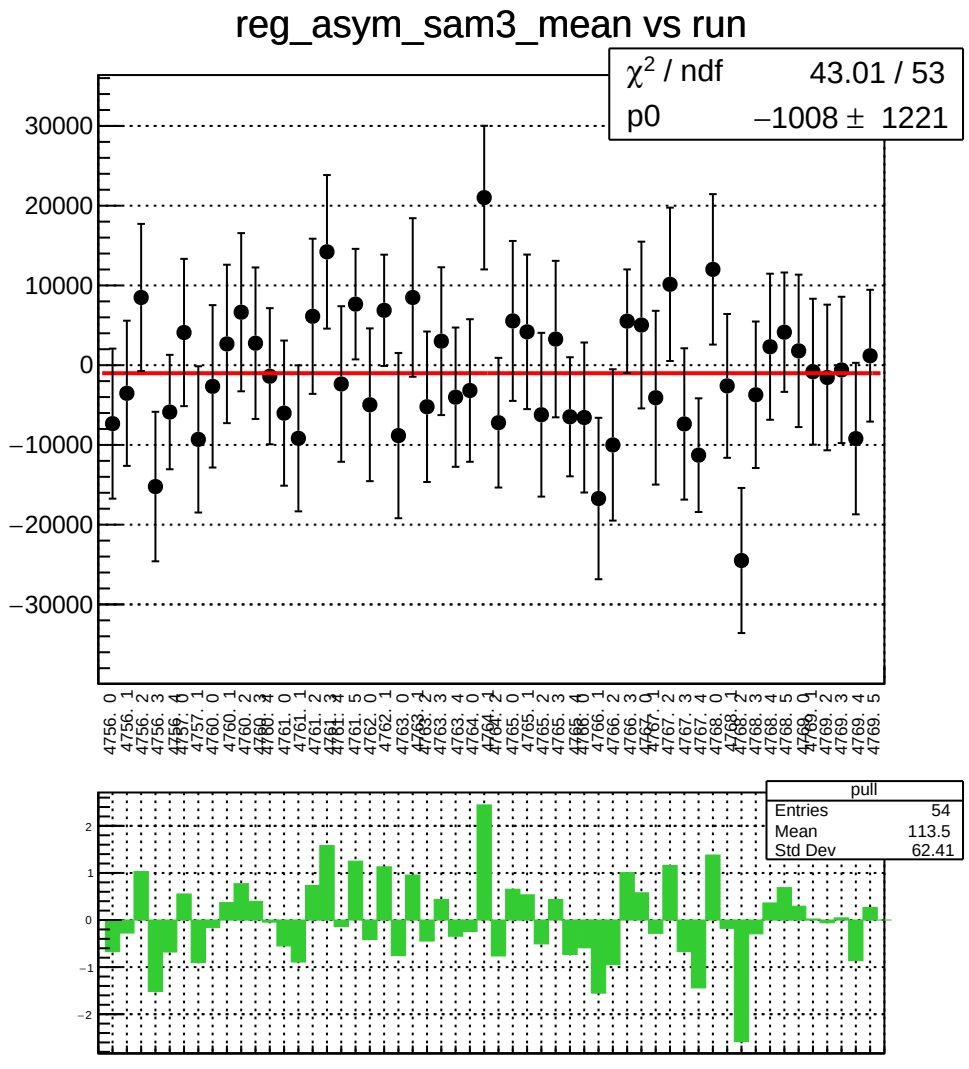

pull1D
Entries 54
Mean 0.002211
Std Dev 1.07

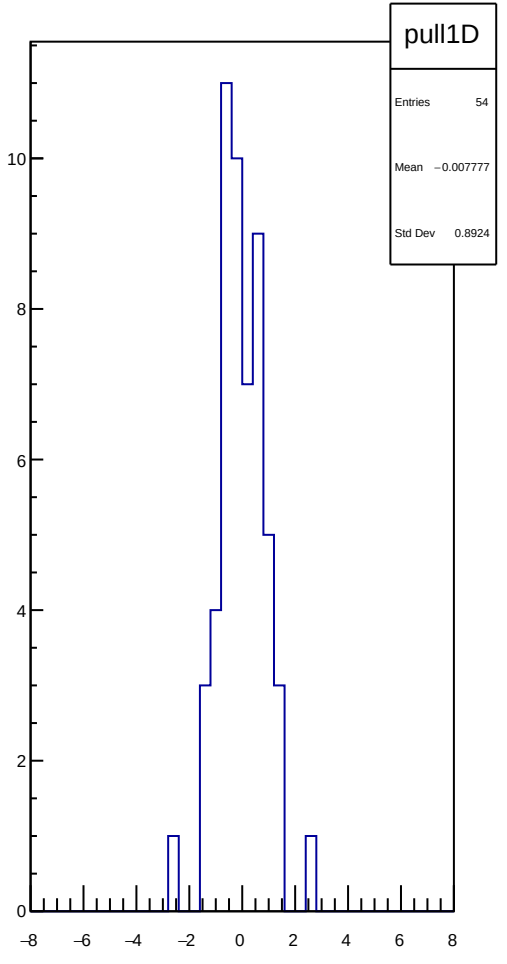

reg_asym_sam2_rms vs run
χ² / ndf 4204 / 53
p0 2116 ± 2.037
2600
2400
2200
2000
1800
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

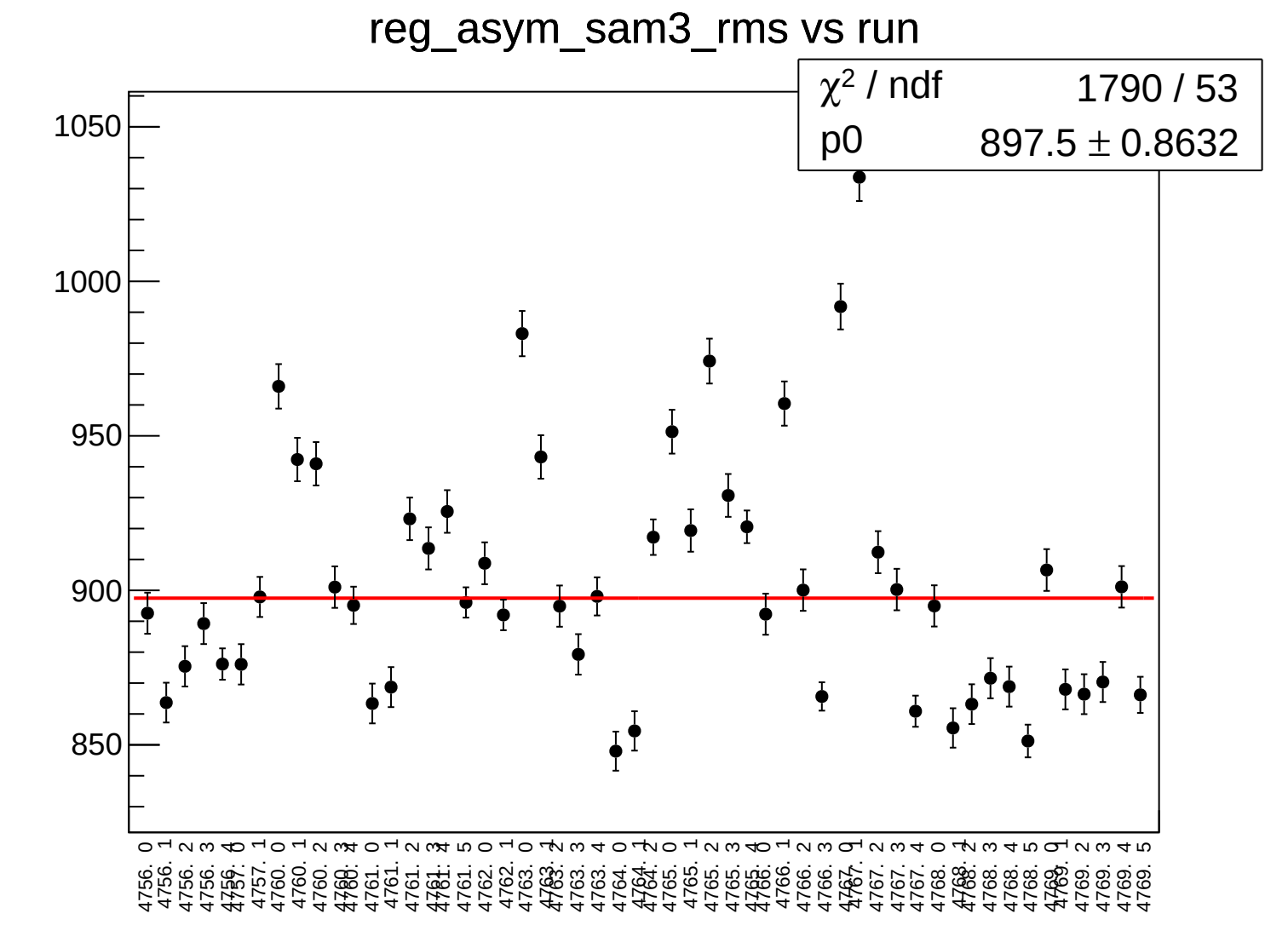

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 49.19 / 53
p0 −2.894e+04 ± 6646
150
100
50
0
−50
−100
−150
−200
pull
Entries 54
Mean −126.7
Std Dev 148.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

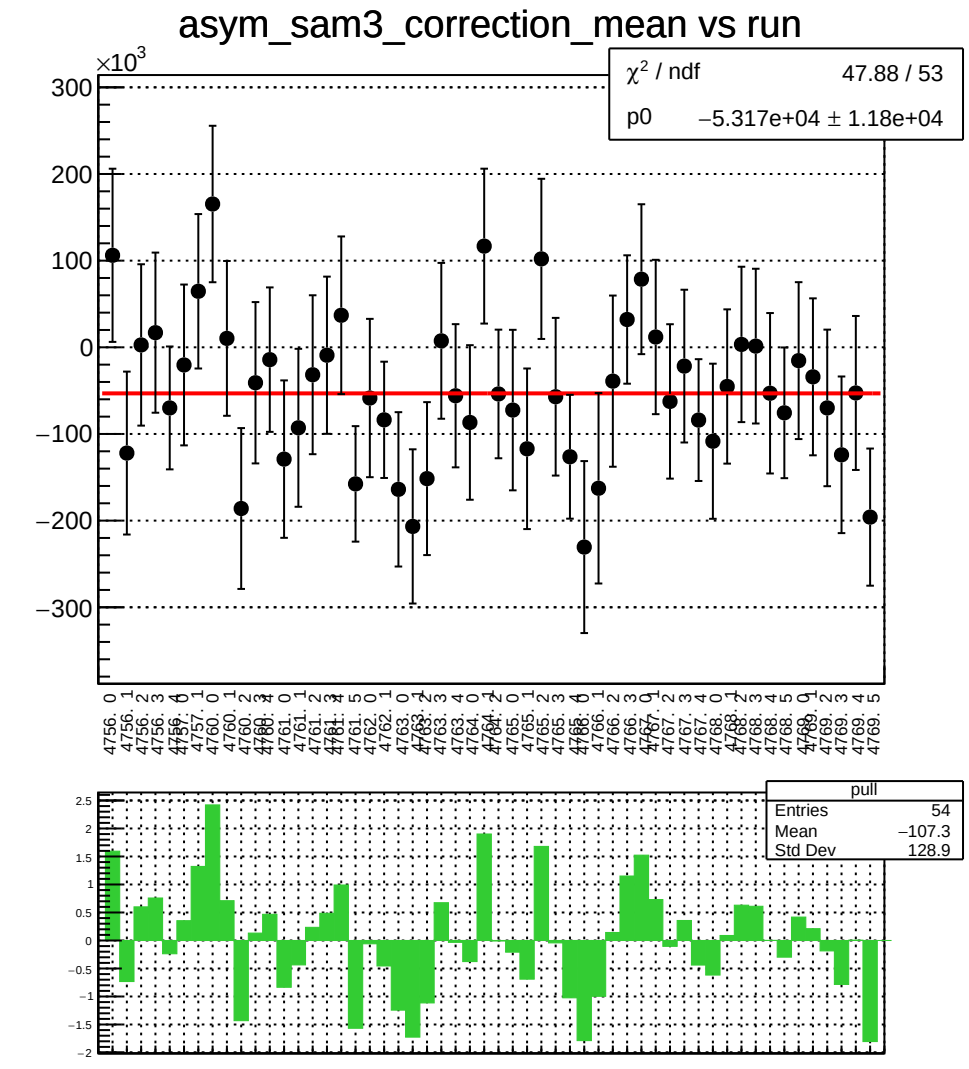

pull1D
Entries 54
Mean 0.01757
Std Dev 0.9542
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

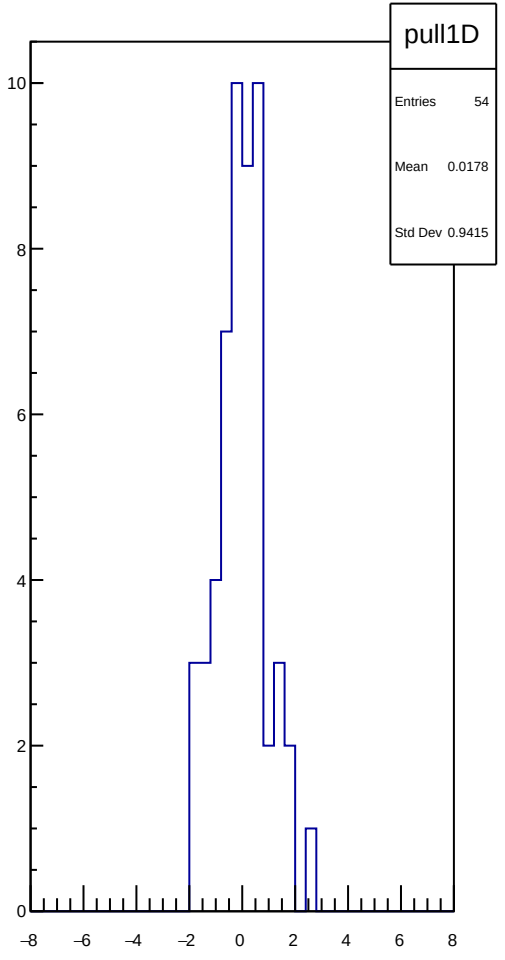

asym_sam2_correction_rms vs run
χ² / ndf 2036 / 53
p0 4886 ± 4.7
6000
5800
5600
5400
5200
5000
4800
4600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

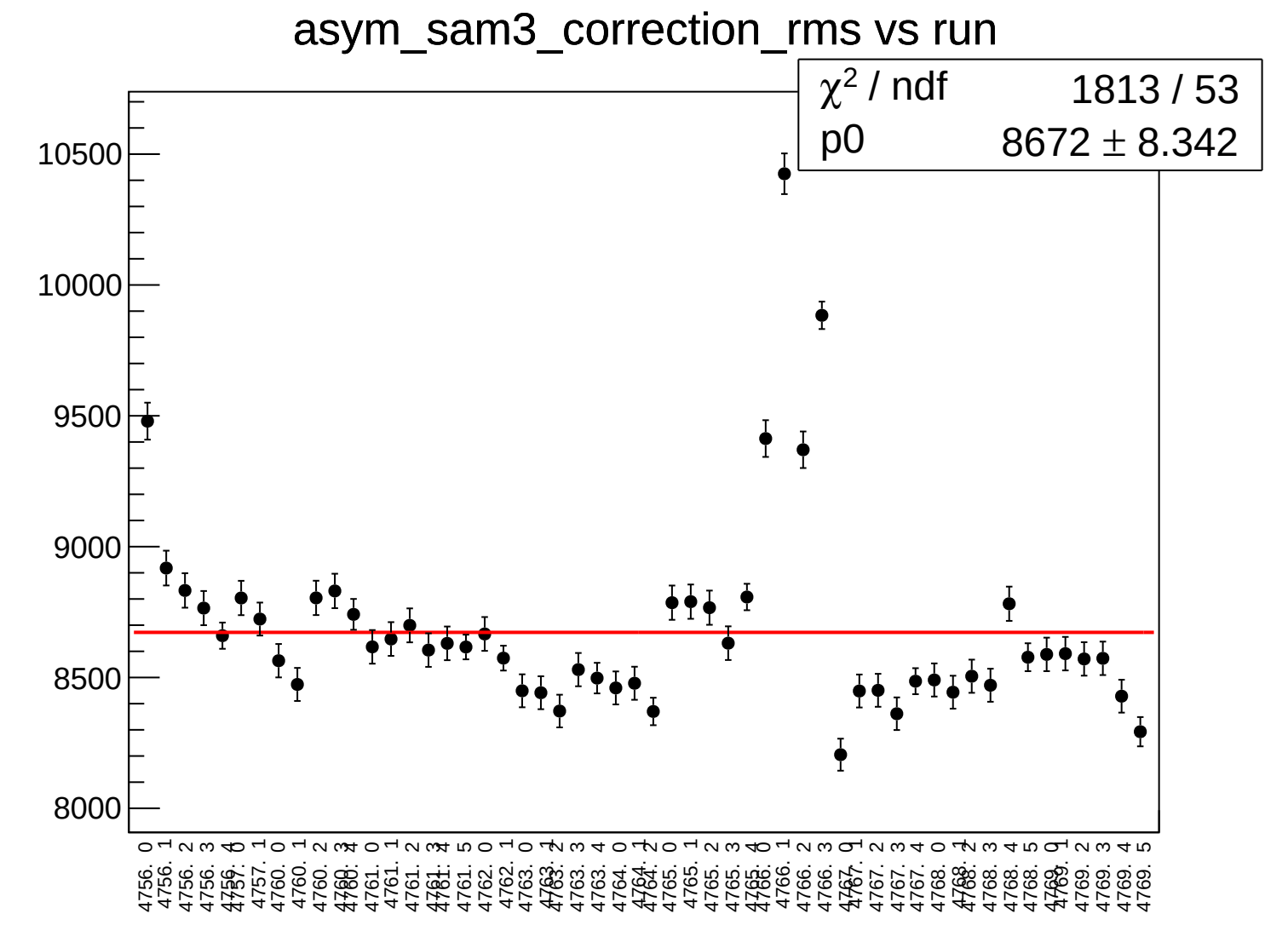

reg_asym_sam3_mean vs run
χ² / ndf 43.01 / 53
p0 −1008 ± 1221
pull
Entries 54
Mean 113.5
Std Dev 62.41

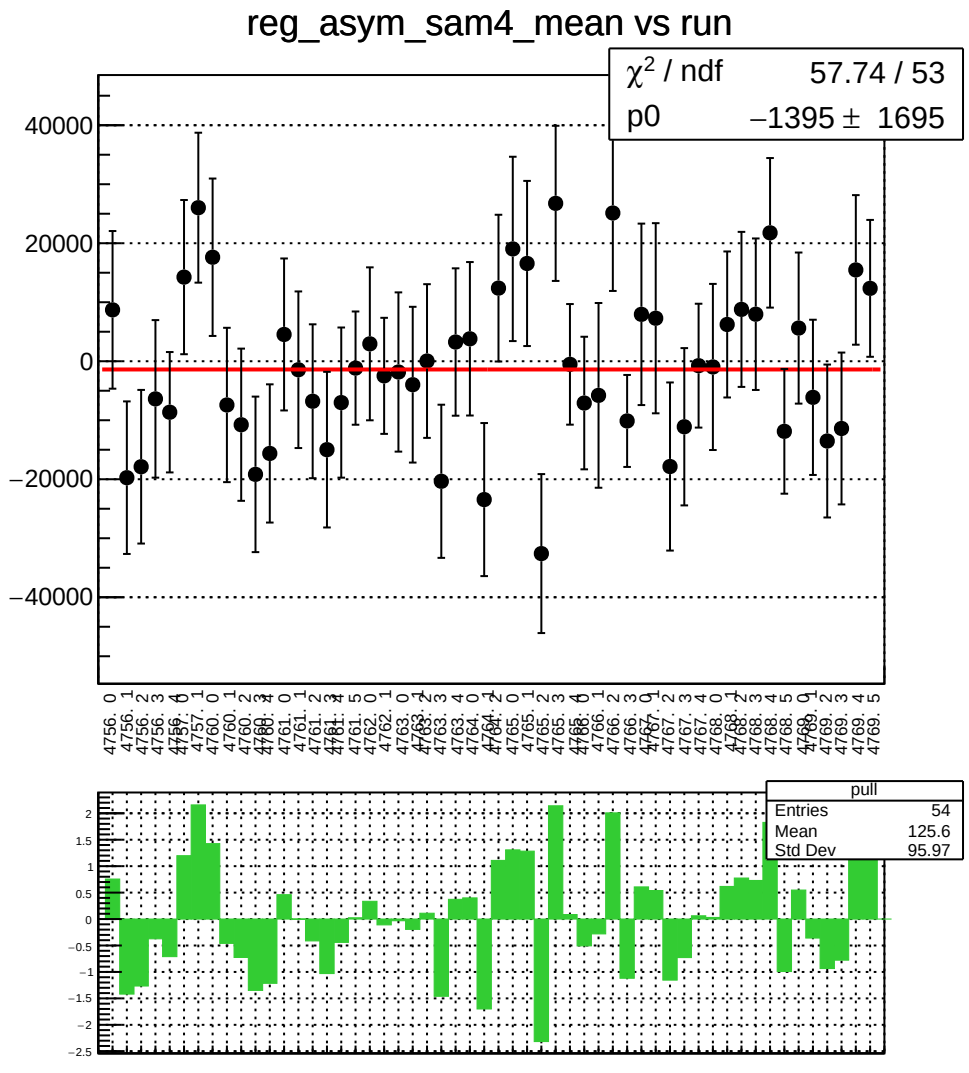

pull1D
Entries 54
Mean −0.007777
Std Dev 0.8924

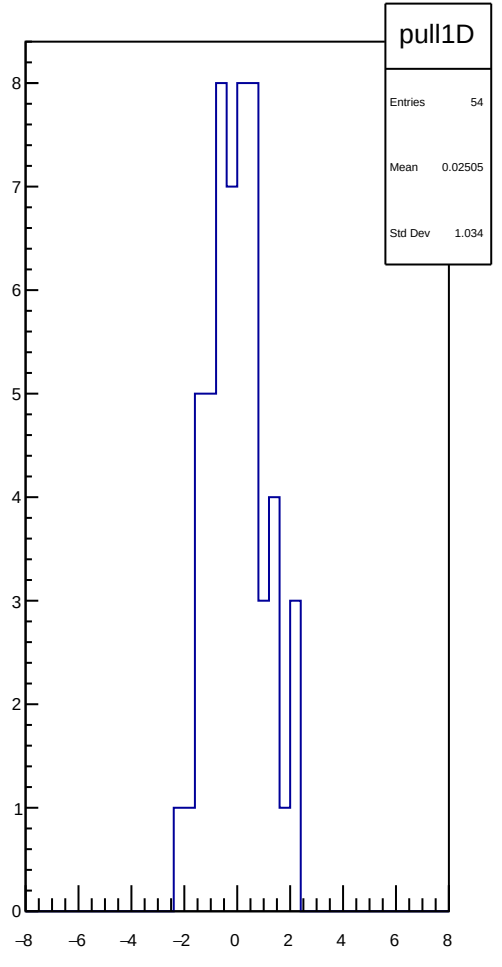

reg_asym_sam3_rms vs run
χ² / ndf 1790 / 53
p0 897.5 ± 0.8632
1050
1000
950
900
850
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

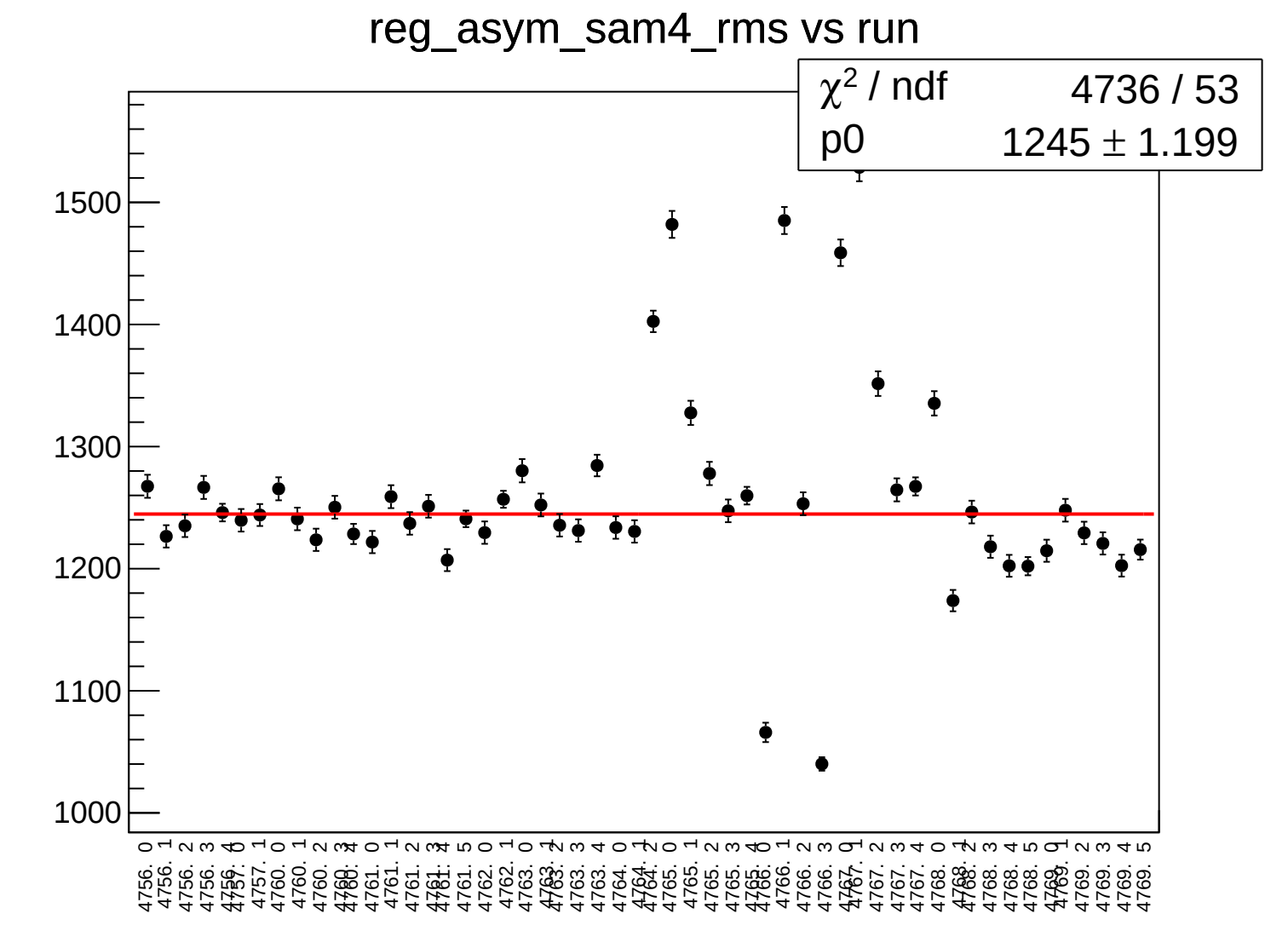

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 47.88 / 53
p0 −5.317e+04 ± 1.18e+04
pull
Entries 54
Mean −107.3
Std Dev 128.9

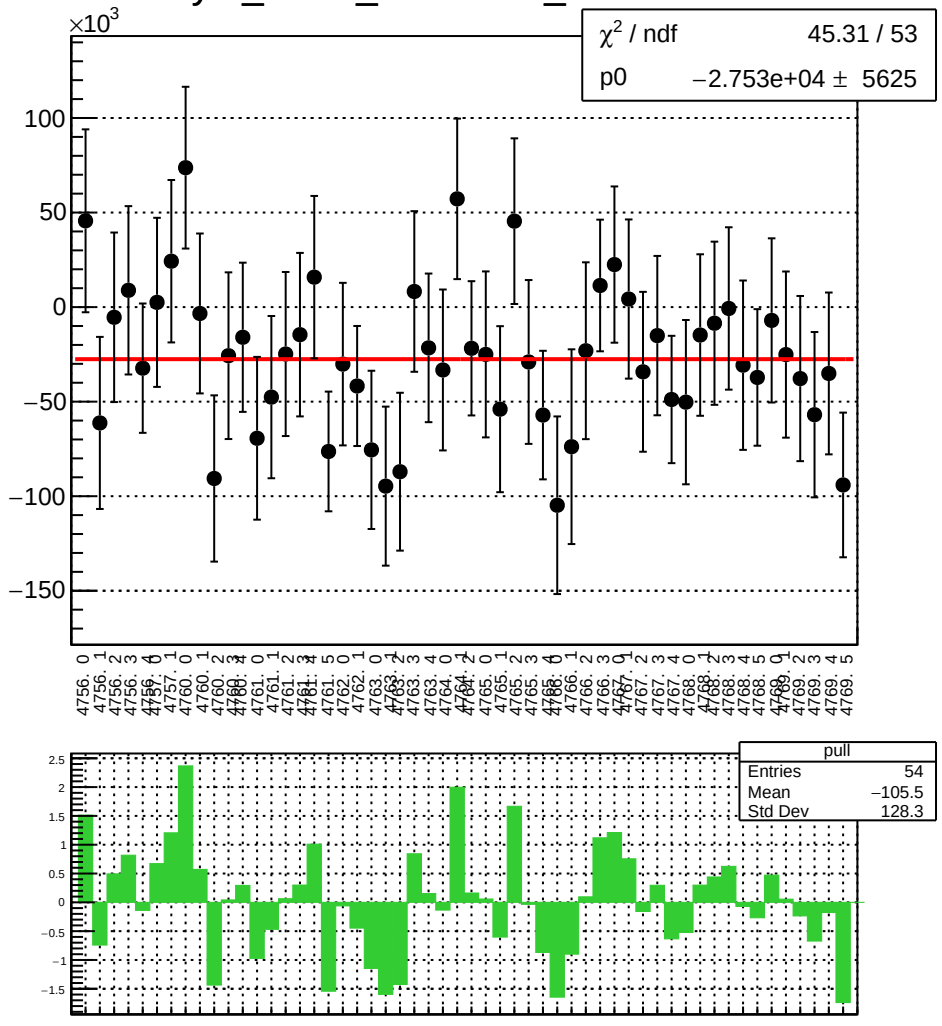

pull1D
Entries 54
Mean 0.0178
Std Dev 0.9415

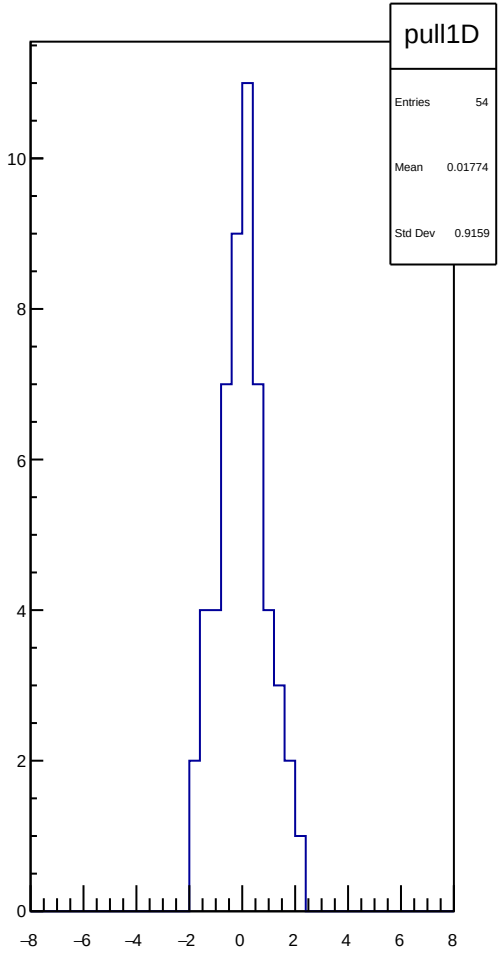

asym_sam3_correction_rms vs run
χ² / ndf 1813 / 53
p0 8672 ± 8.342
10500
10000
9500
9000
8500
8000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

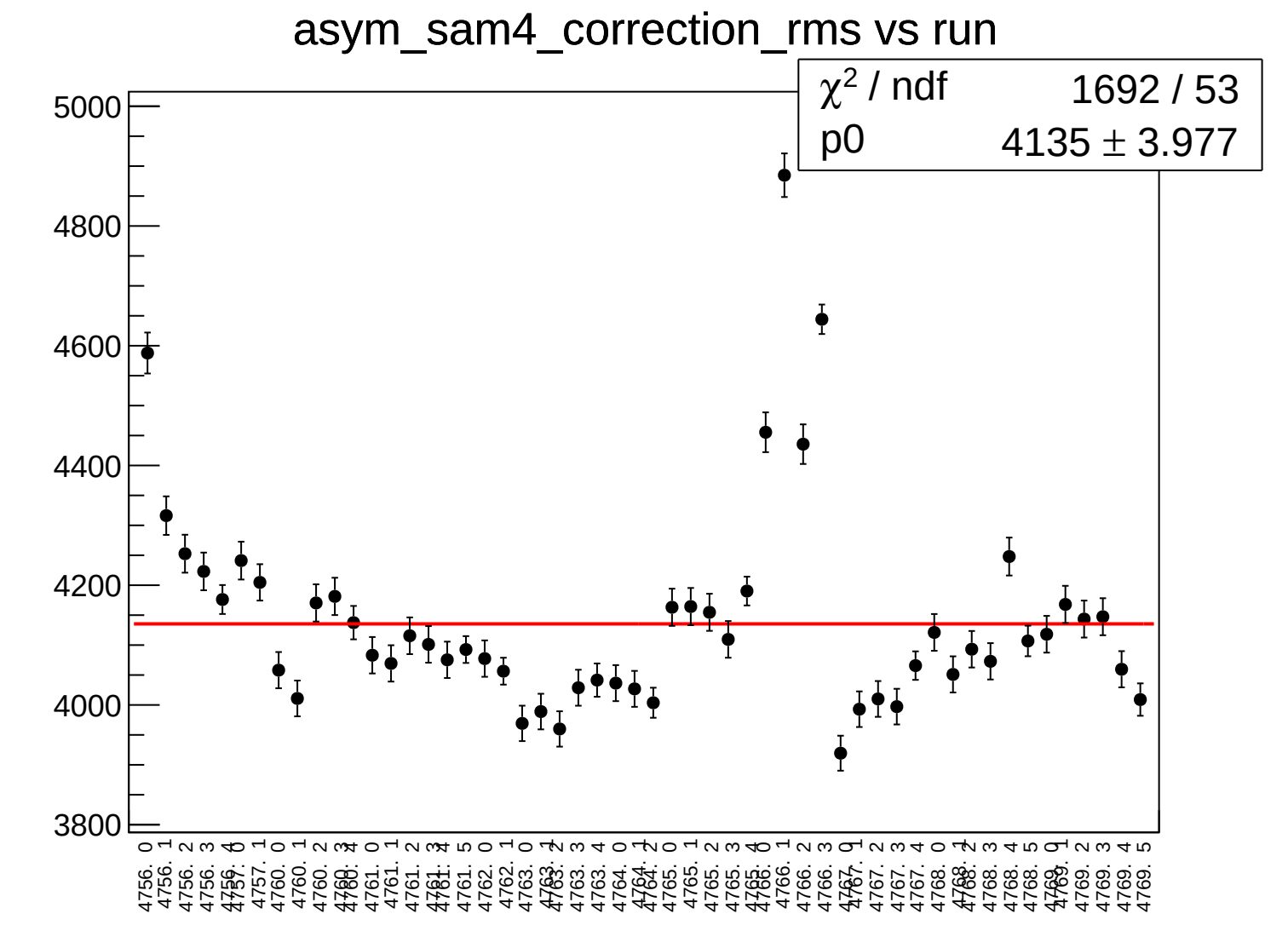

reg_asym_sam4_mean vs run
χ² / ndf 57.74 / 53
p0 −1395 ± 1695
40000
20000
0
−20000
−40000
pull
Entries 54
Mean 125.6
Std Dev 95.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

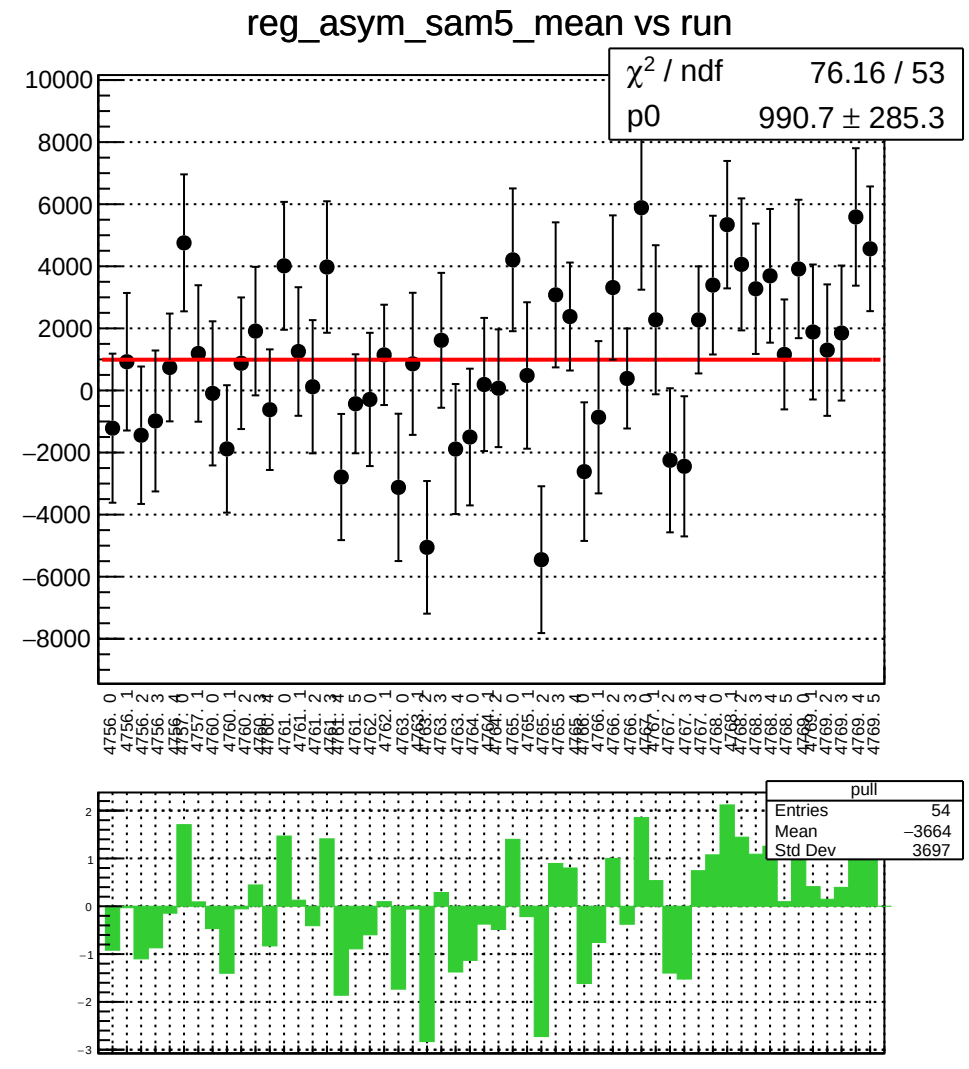

pull1D
Entries 54
Mean 0.02505
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

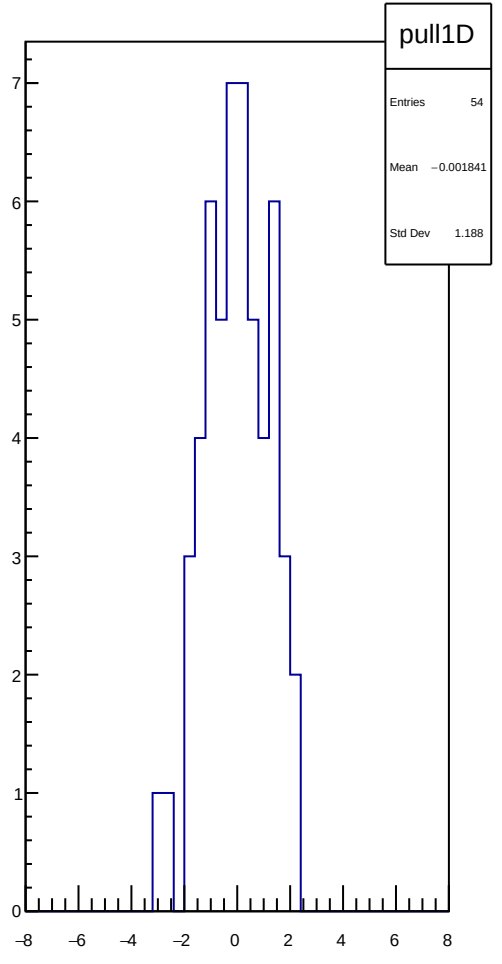

reg_asym_sam4_rms vs run
χ² / ndf 4736 / 53
p0 1245 ± 1.199
1500
1400
1300
1200
1100
1000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

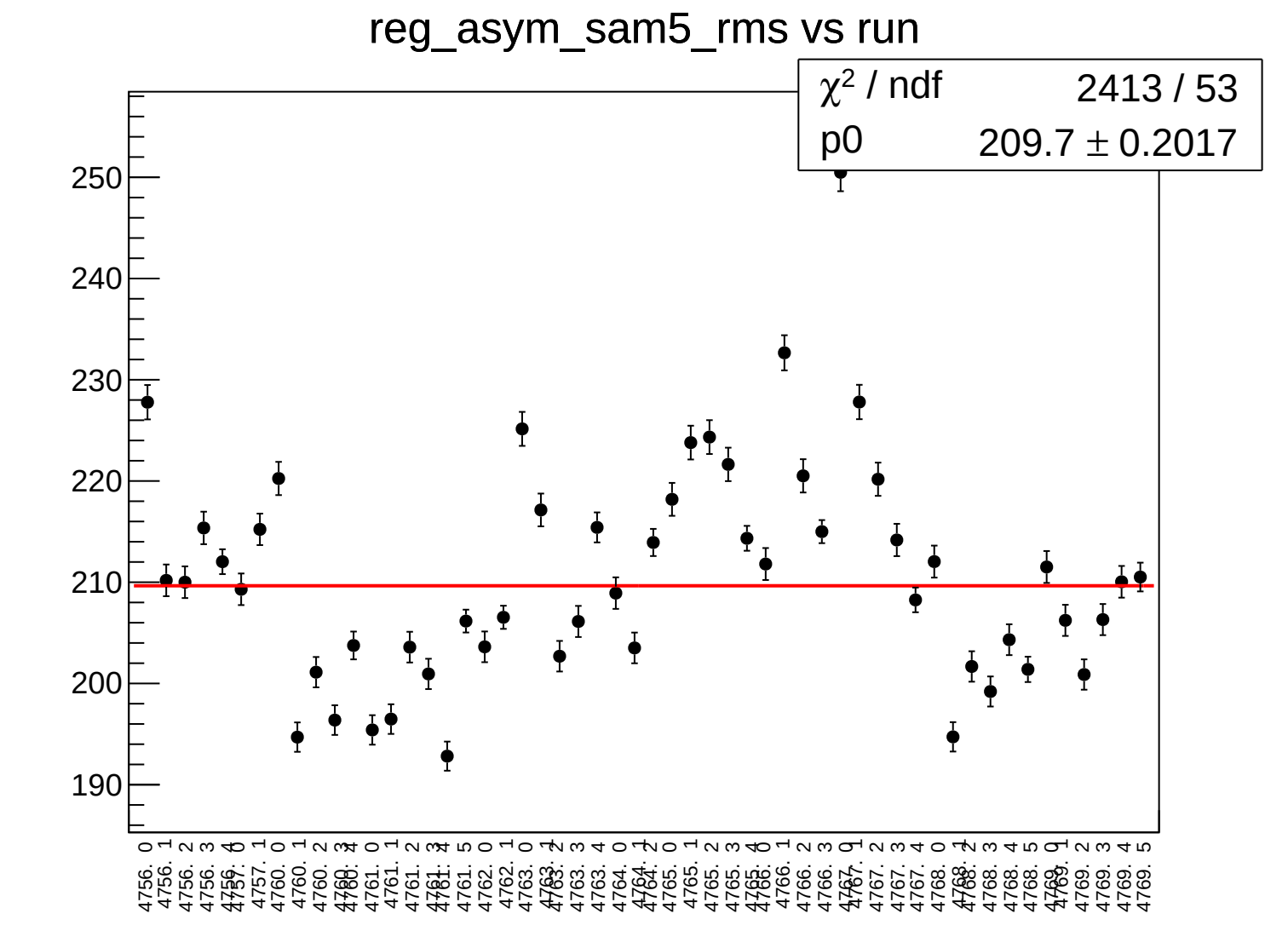

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 45.31 / 53
p0 −2.753e+04 ± 5625
100
50
0
−50
−100
−150
pull
Entries 54
Mean −105.5
Std Dev 128.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

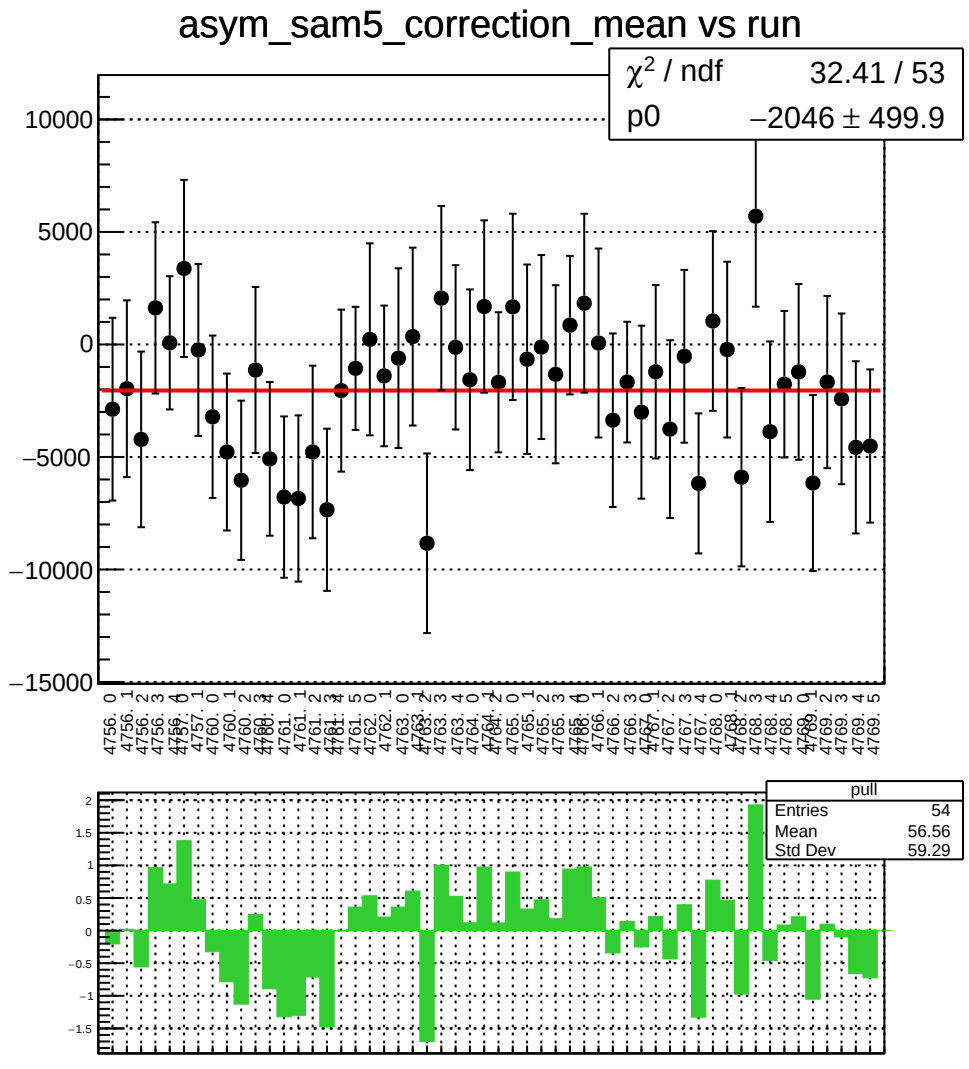

pull1D
Entries 54
Mean 0.01774
Std Dev 0.9159
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

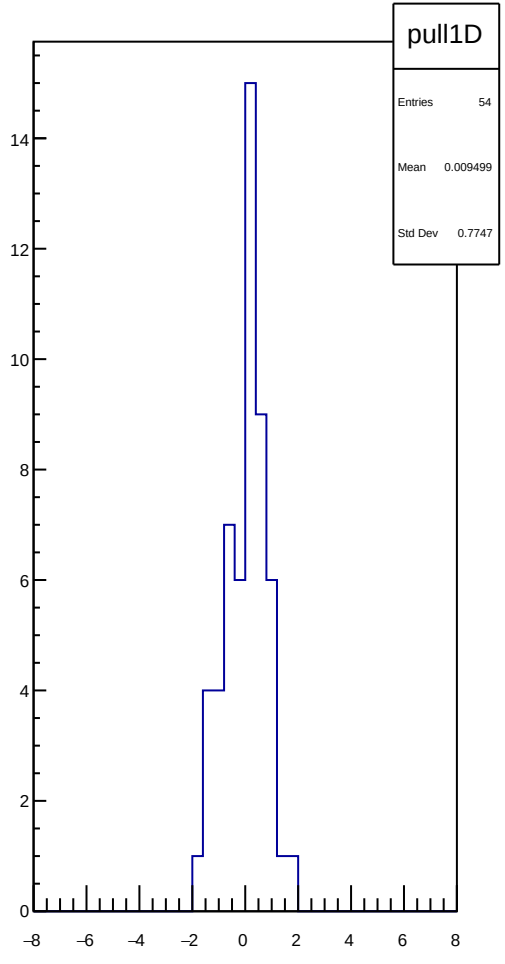

asym_sam4_correction_rms vs run
χ² / ndf 1692 / 53
p0 4135 ± 3.977
5000
4800
4600
4400
4200
4000
3800

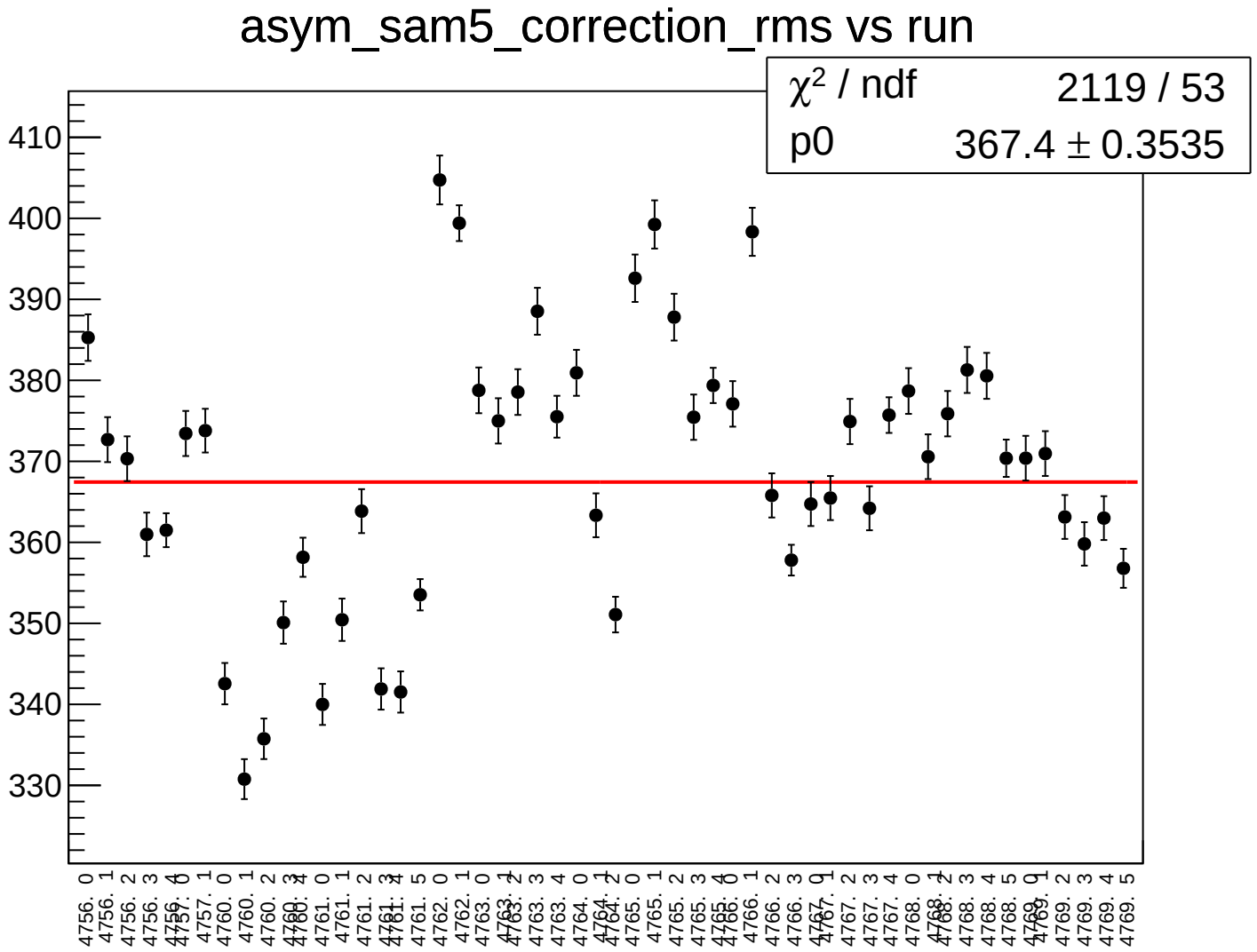

reg_asym_sam5_mean vs run
χ² / ndf 76.16 / 53
p0 990.7 ± 285.3
pull
Entries 54
Mean −3664
Std Dev 3697

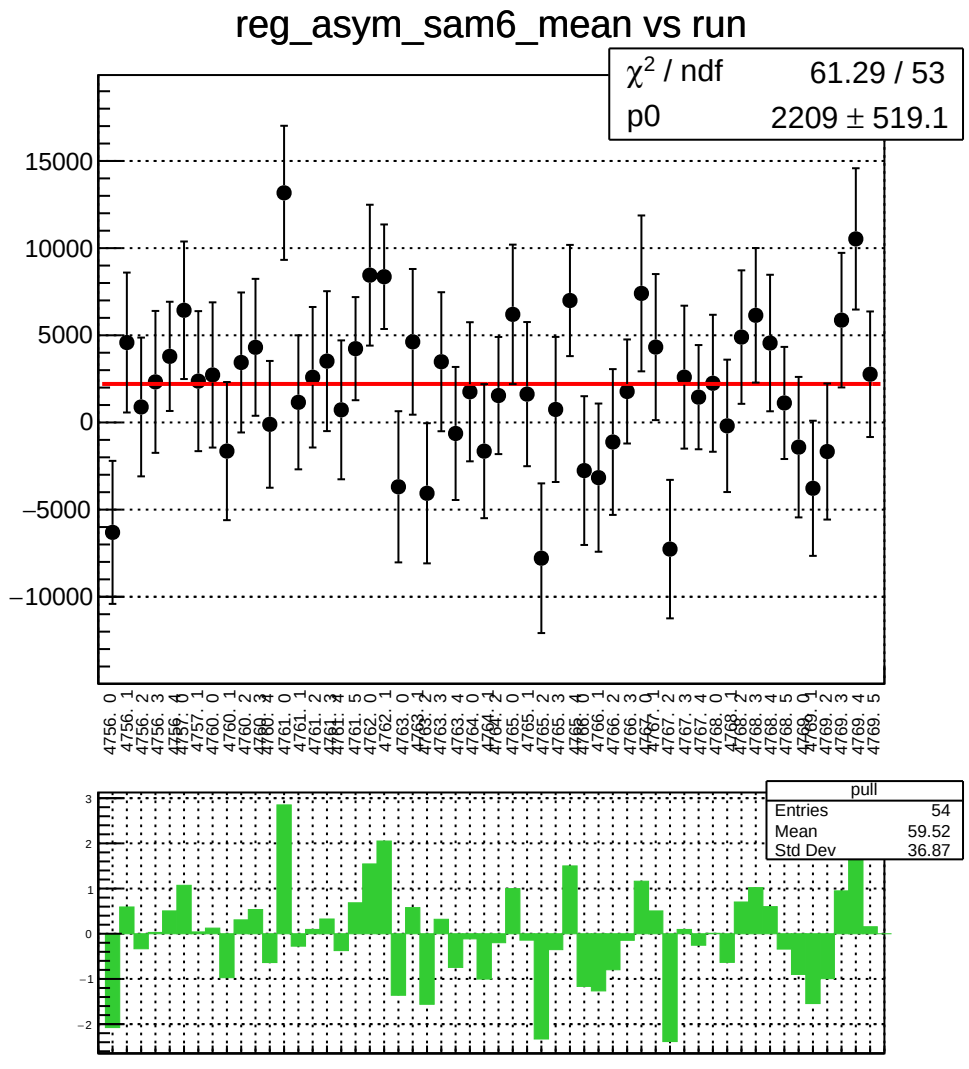

pull1D
Entries 54
Mean −0.001841
Std Dev 1.188

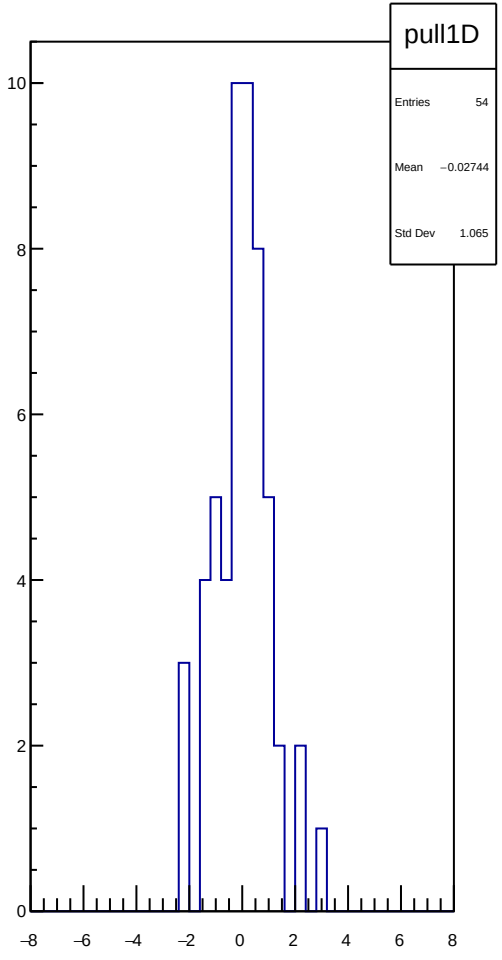

reg_asym_sam5_rms vs run
χ² / ndf 2413 / 53
p0 209.7 ± 0.2017
250
240
230
220
210
200
190
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

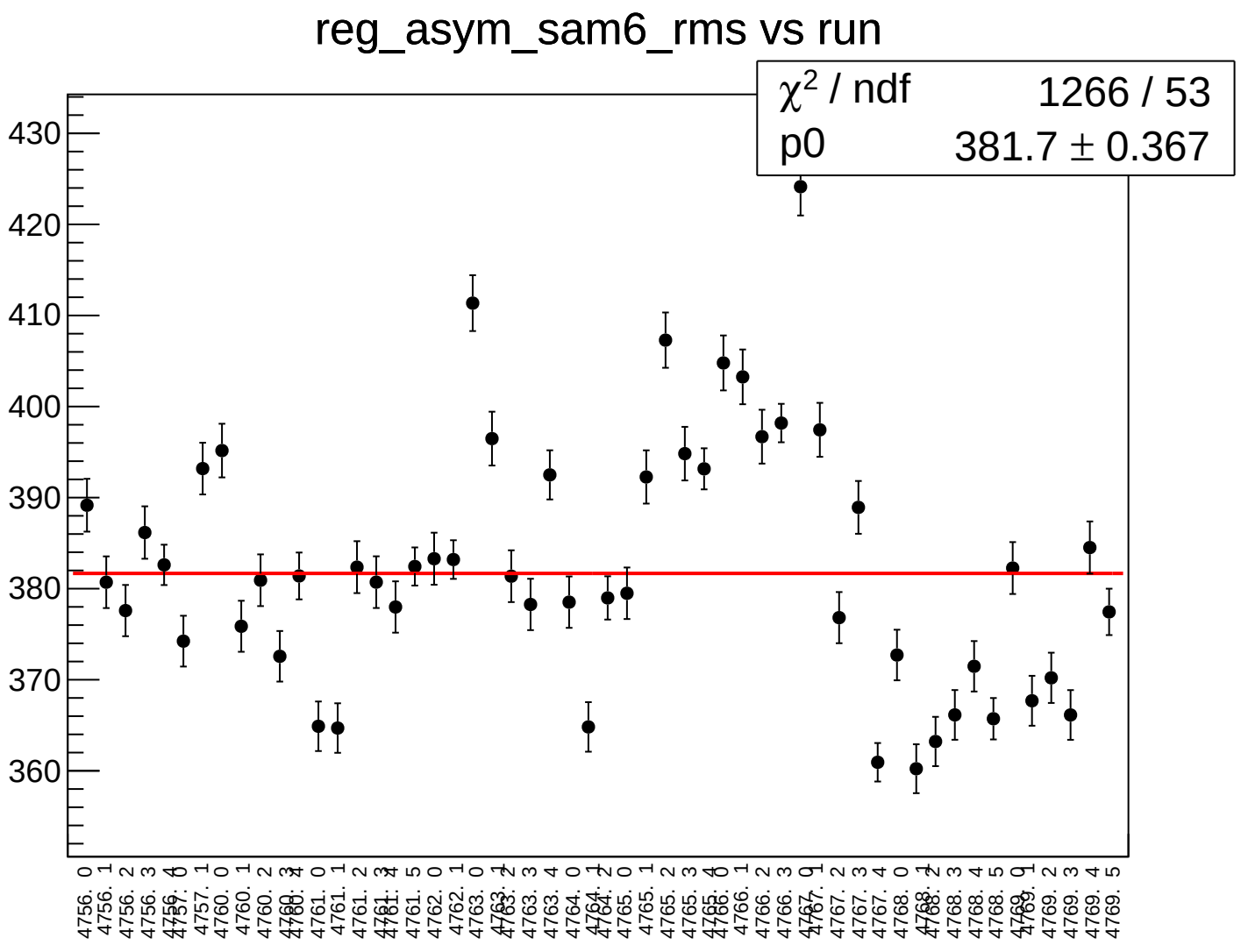

asym_sam5_correction_mean vs run
χ² / ndf 32.41 / 53
p0 −2046 ± 499.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 56.56
Std Dev 59.29
2
1.5
1
0.5
0
−0.5
−1
−1.5

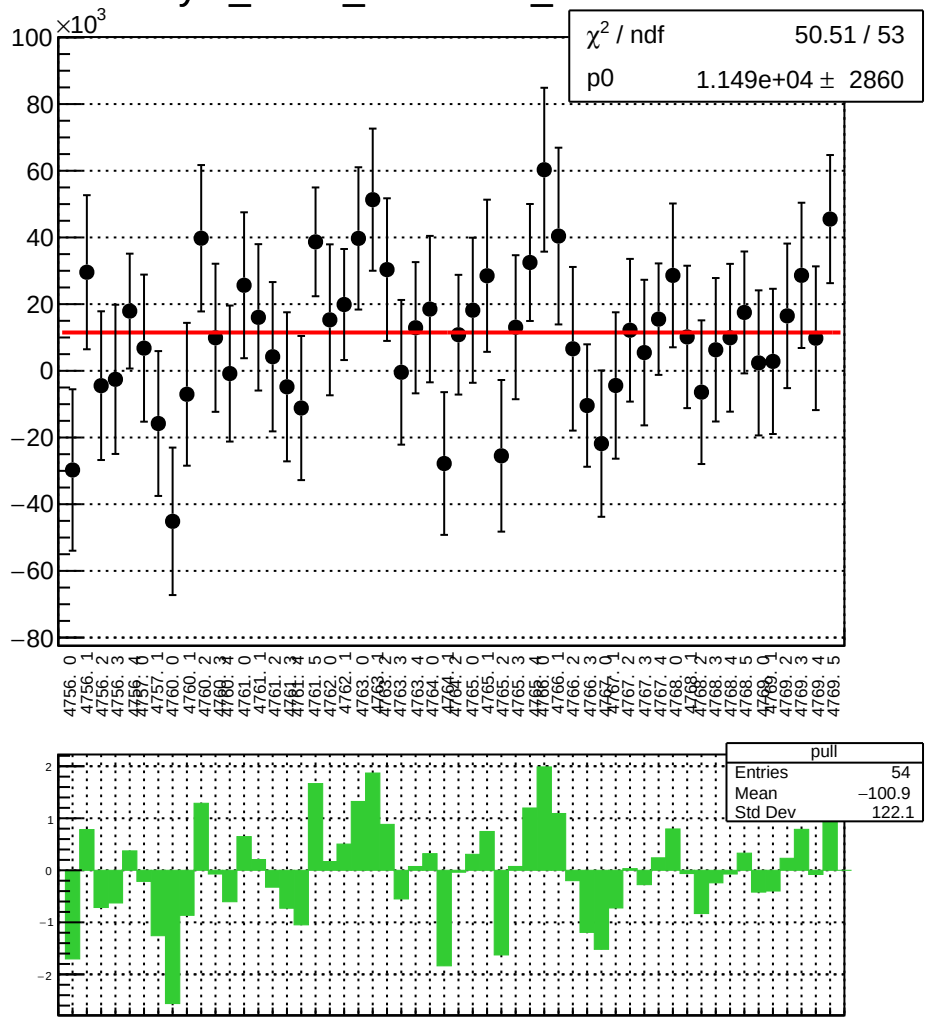

pull1D
Entries 54
Mean 0.009499
Std Dev 0.7747
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

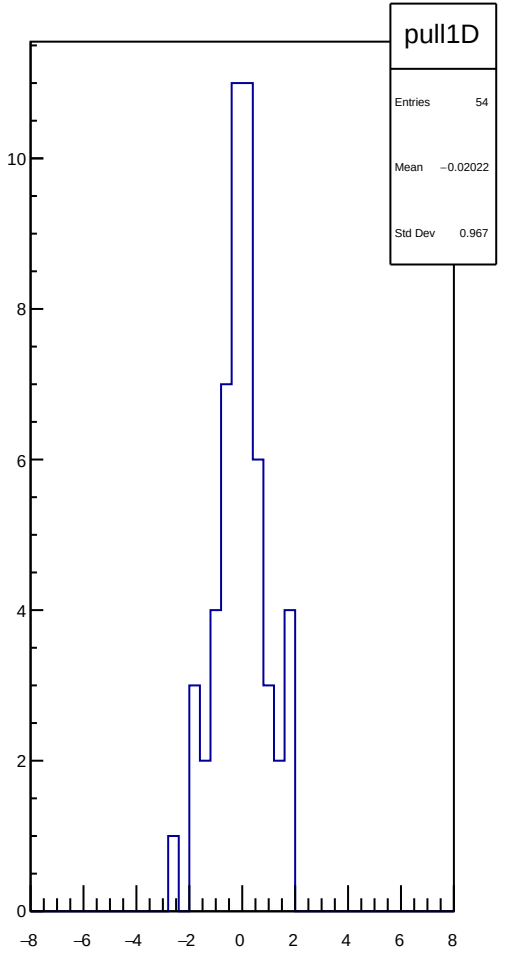

asym_sam5_correction_rms vs run
χ² / ndf 2119 / 53
p0 367.4 ± 0.3535
410
400
390
380
370
360
350
340
330
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

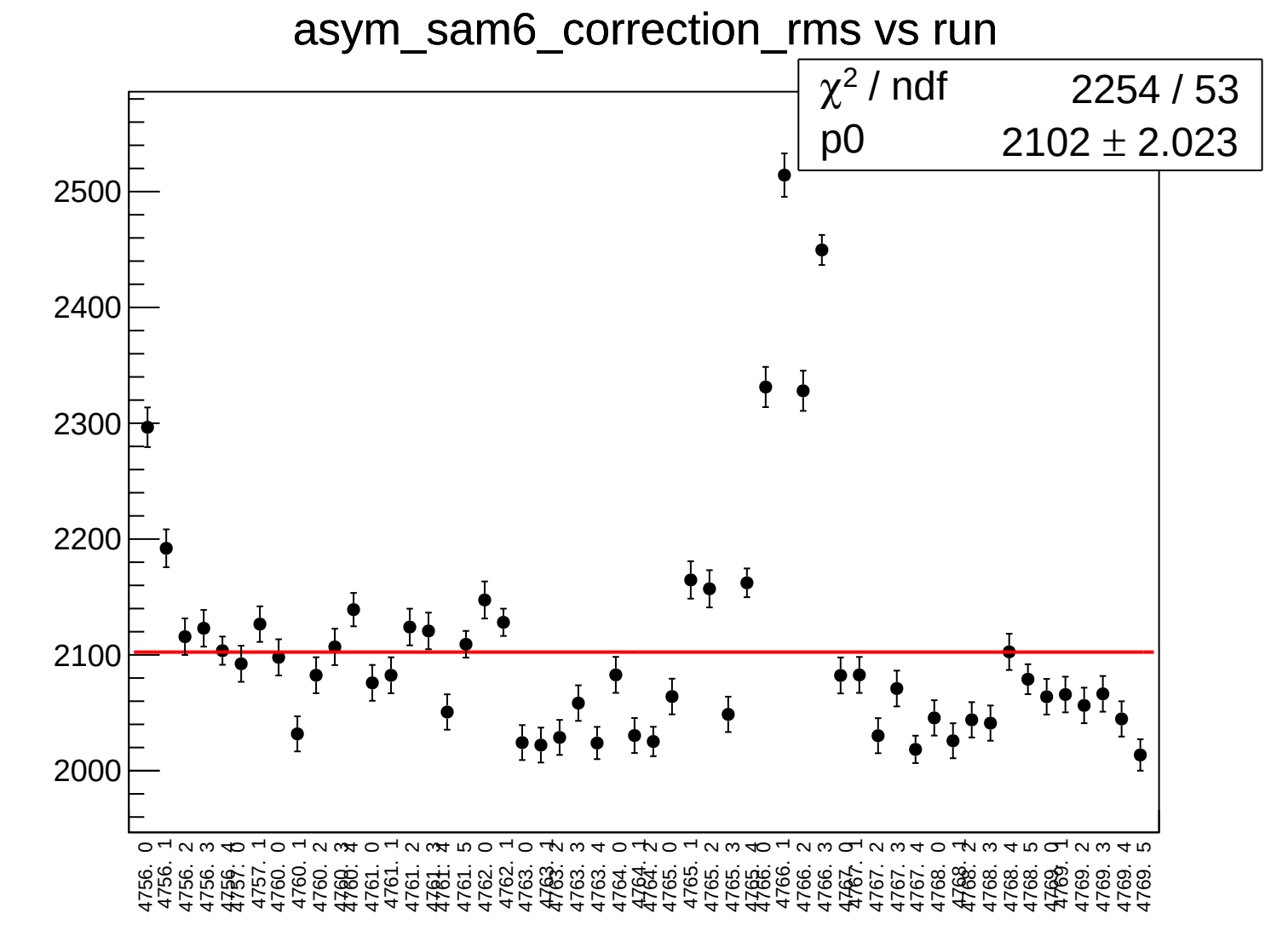

reg_asym_sam6_mean vs run
χ² / ndf 61.29 / 53
p0 2209 ± 519.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 59.52
Std Dev 36.87
3
2
1
0
−1
−2

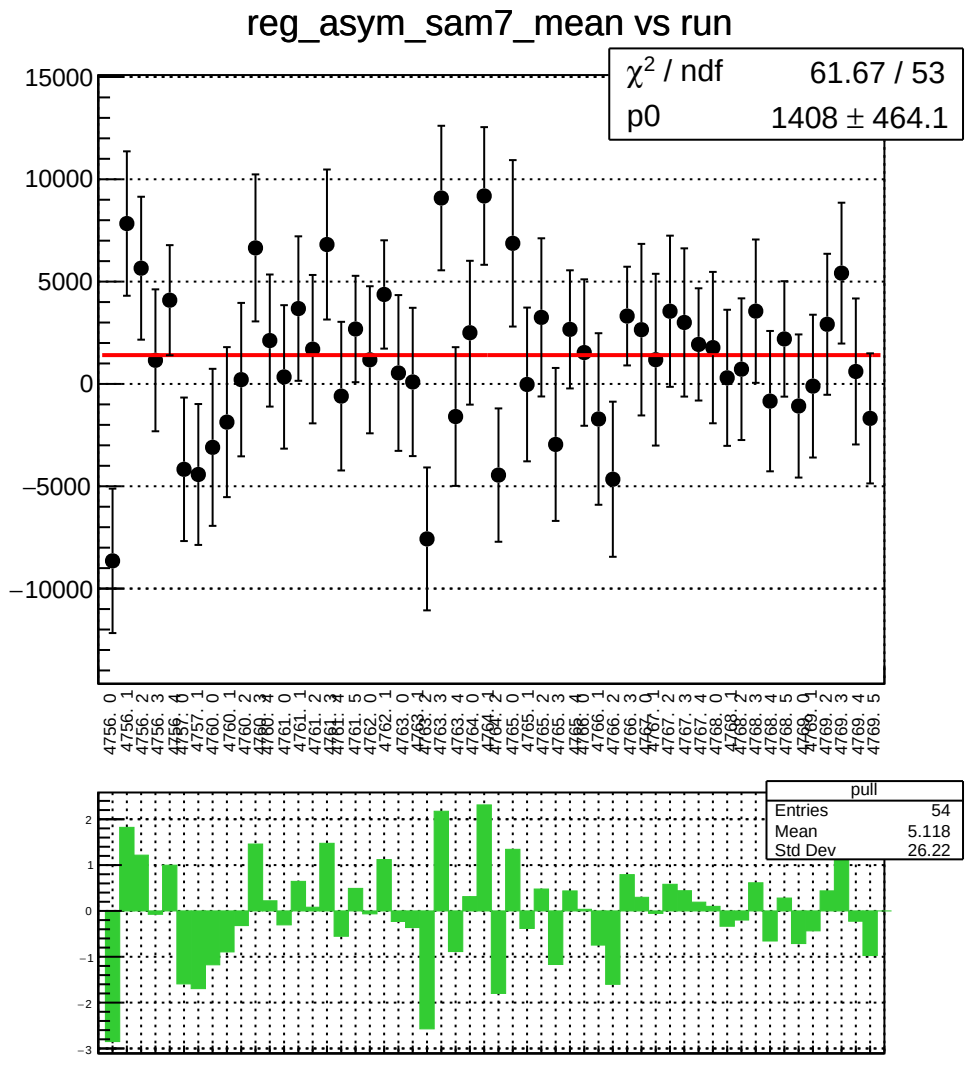

pull1D
Entries 54
Mean −0.02744
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

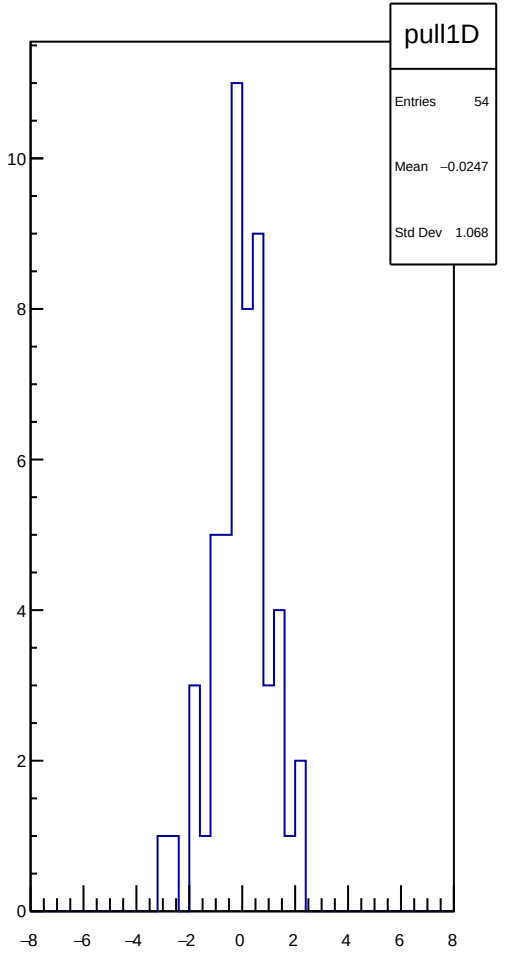

reg_asym_sam6_rms vs run
χ² / ndf 1266 / 53
p0 381.7 ± 0.367
430
420
410
400
390
380
370
360
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

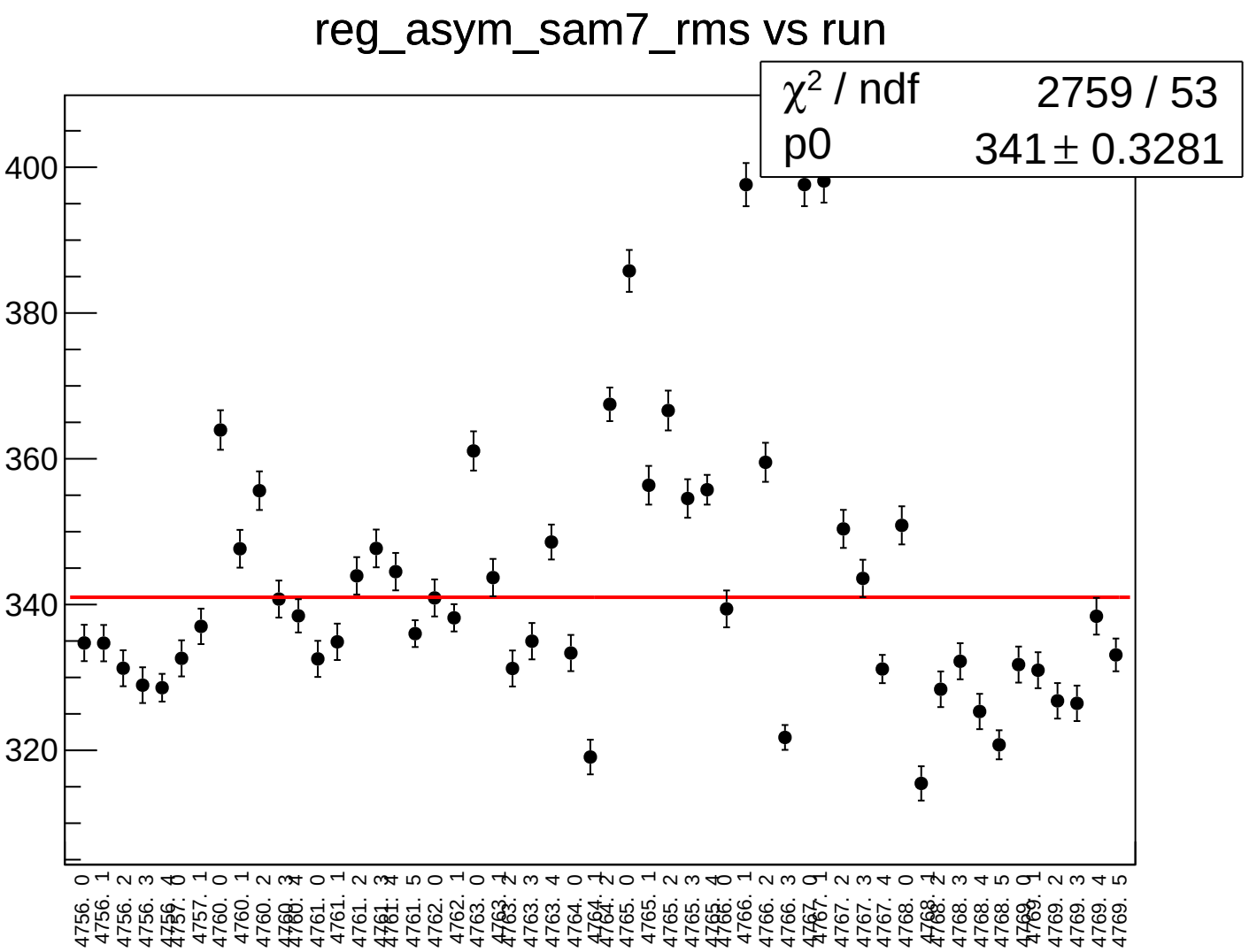

asym_sam6_correction_mean vs run
χ² / ndf 50.51 / 53
p0 1.149e+04 ± 2860
×10³
pull
Entries 54
Mean −100.9
Std Dev 122.1

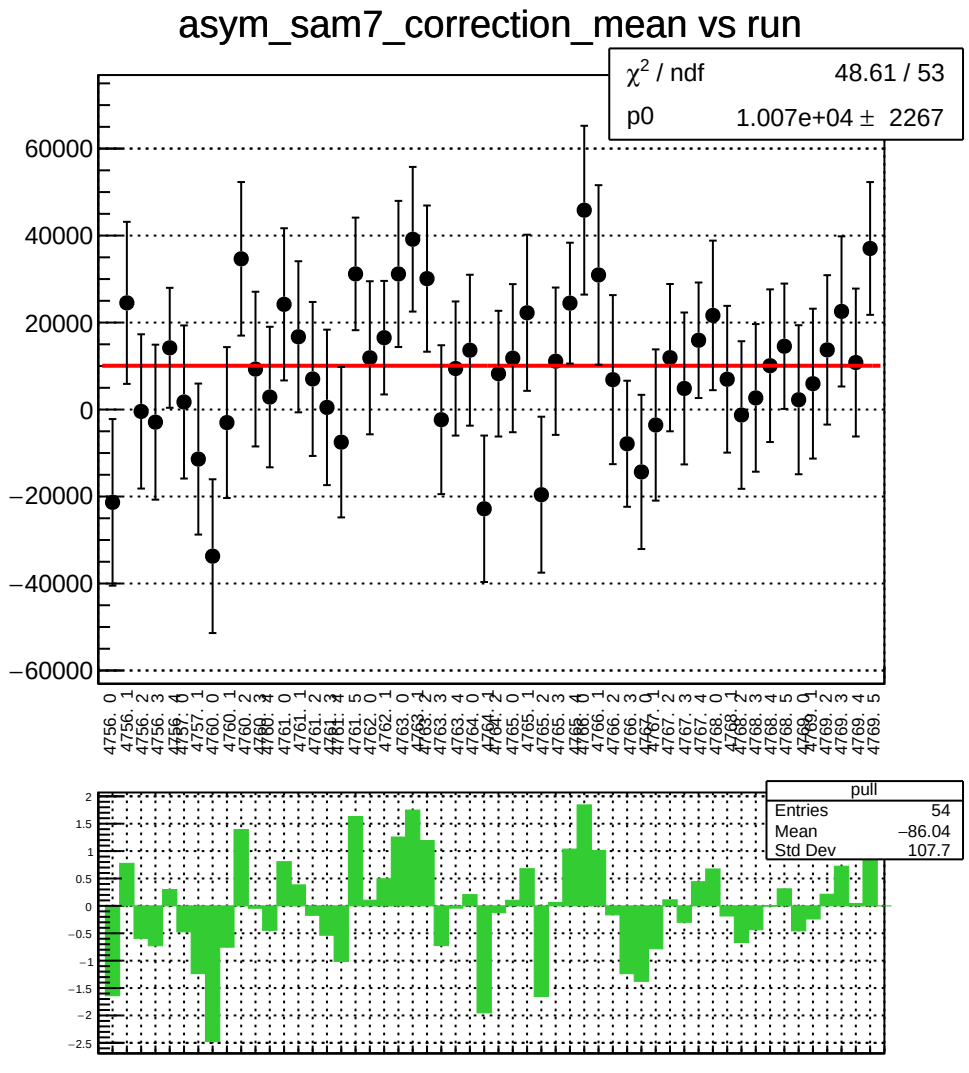

pull1D
Entries 54
Mean −0.02022
Std Dev 0.967

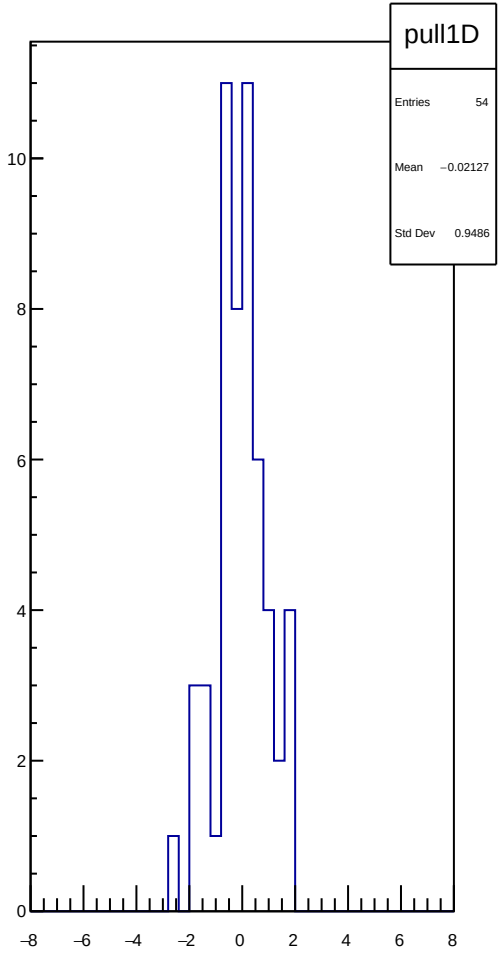

asym_sam6_correction_rms vs run
χ² / ndf 2254 / 53
p0 2102 ± 2.023
2500
2400
2300
2200
2100
2000
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

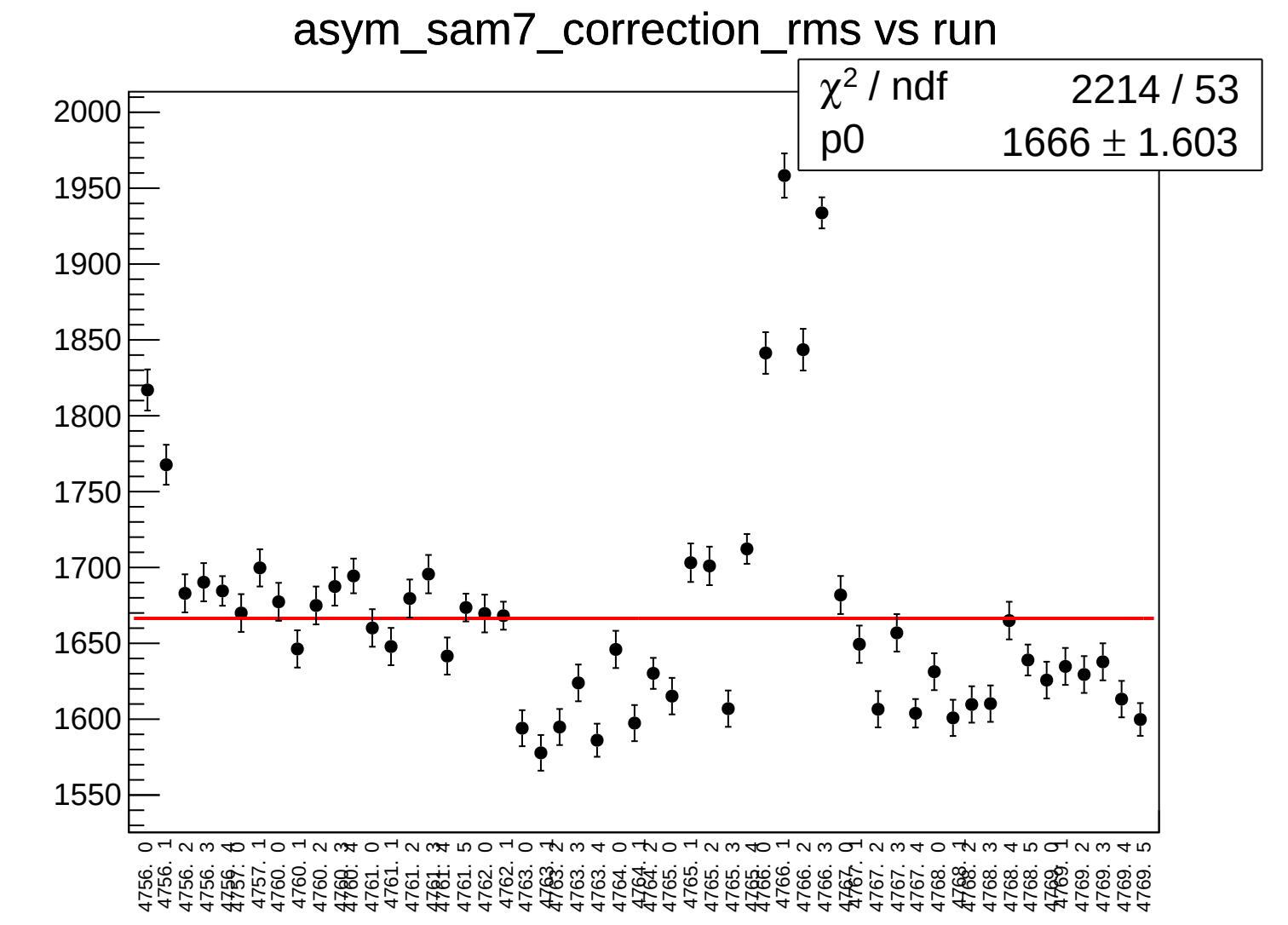

reg_asym_sam7_mean vs run
χ² / ndf 61.67 / 53
p0 1408 ± 464.1
15000
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 5.118
Std Dev 26.22
2
1
0
−1
−2
−3

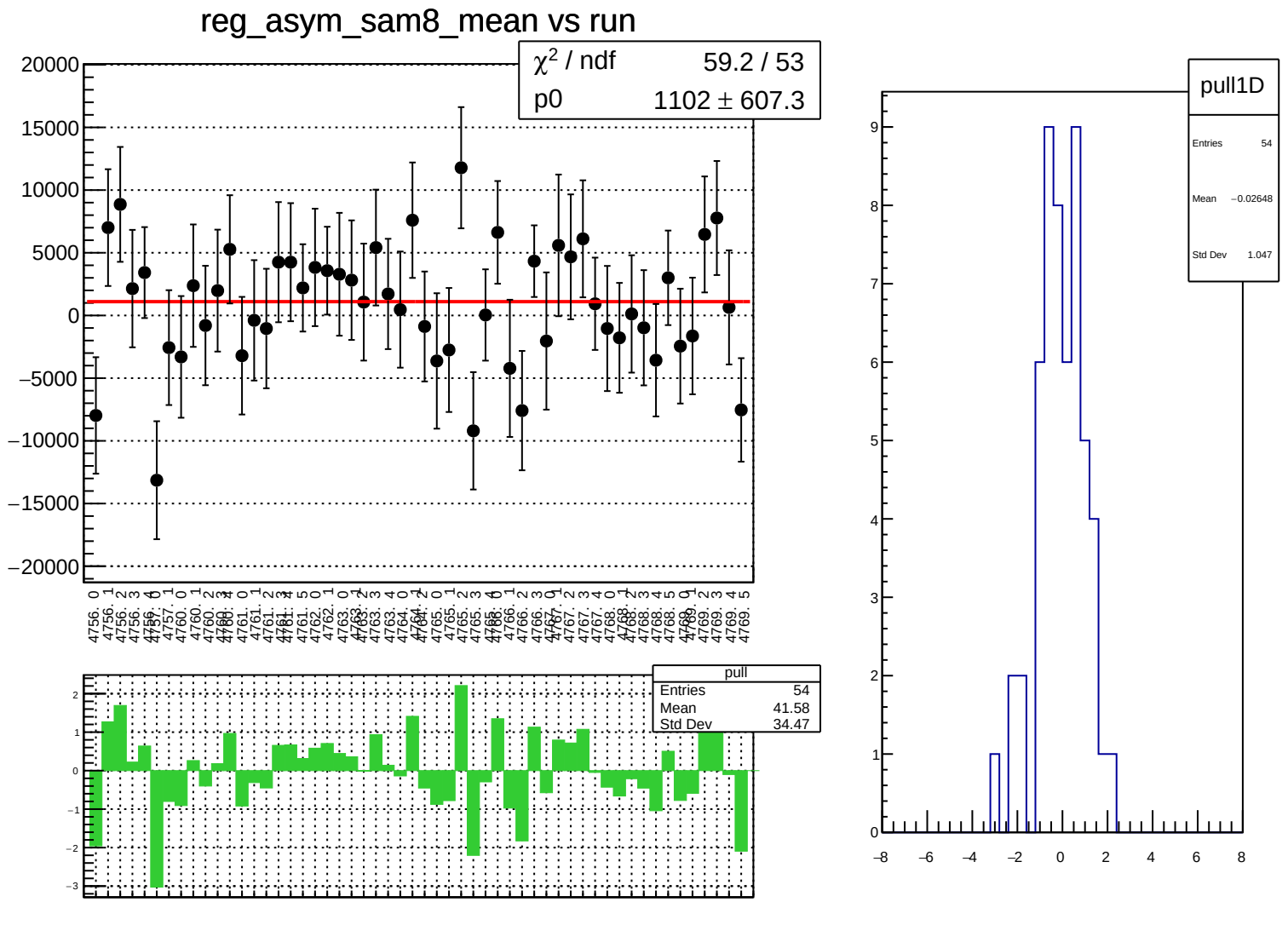

pull1D
Entries 54
Mean −0.0247
Std Dev 1.068
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

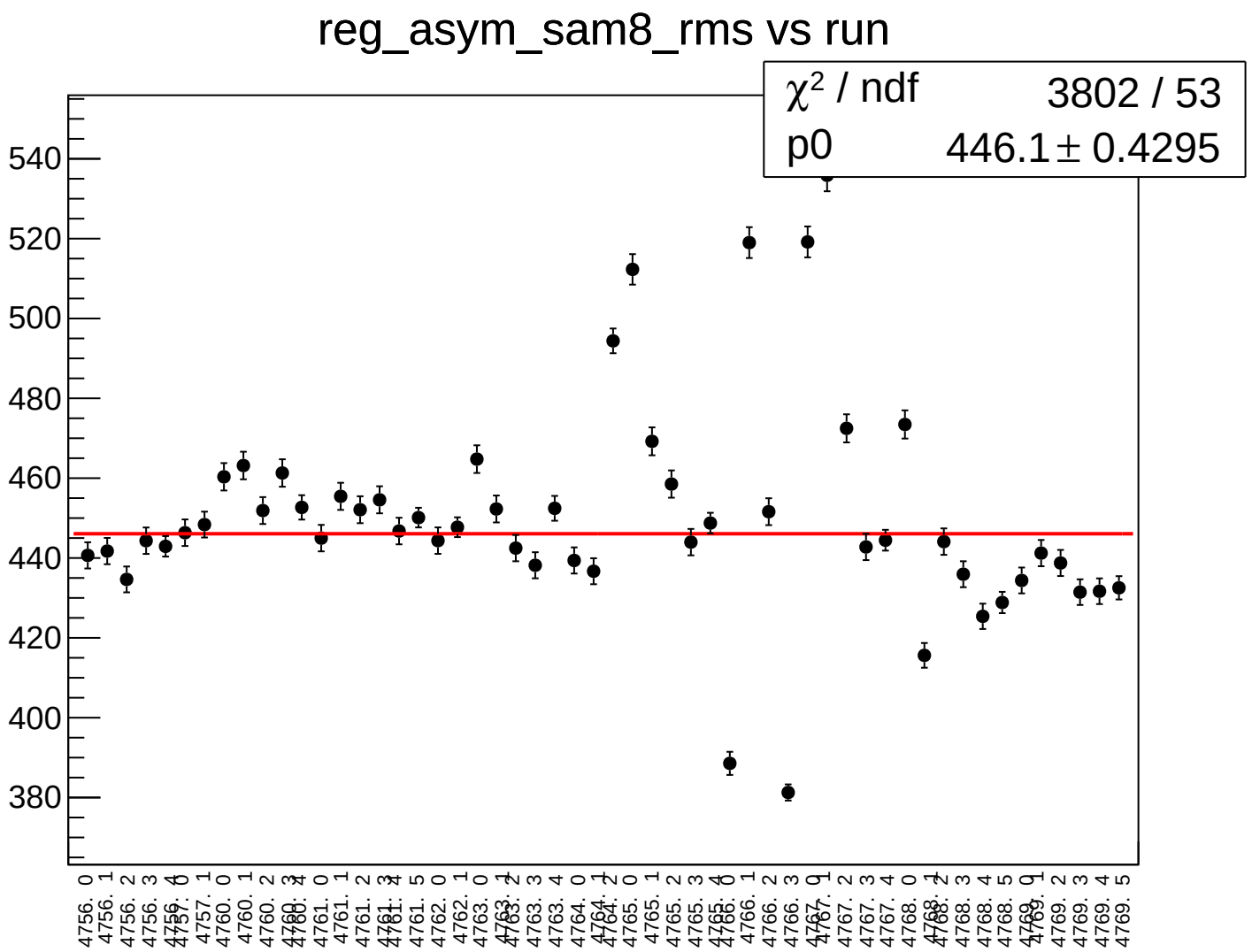

reg_asym_sam7_rms vs run
χ² / ndf 2759 / 53
p0 341 ± 0.3281
400
380
360
340
320
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

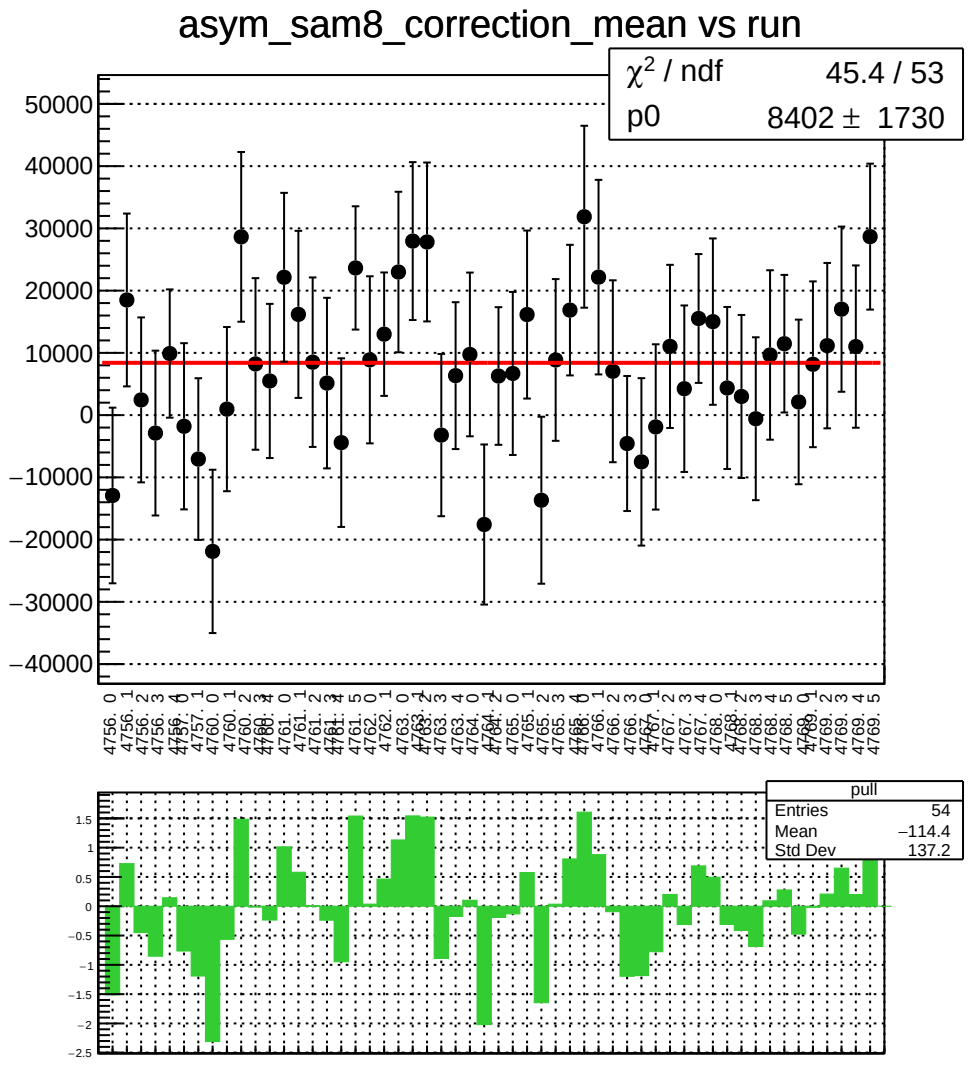

asym_sam7_correction_mean vs run
χ² / ndf 48.61 / 53
p0 1.007e+04 ± 2267
pull
Entries 54
Mean −86.04
Std Dev 107.7

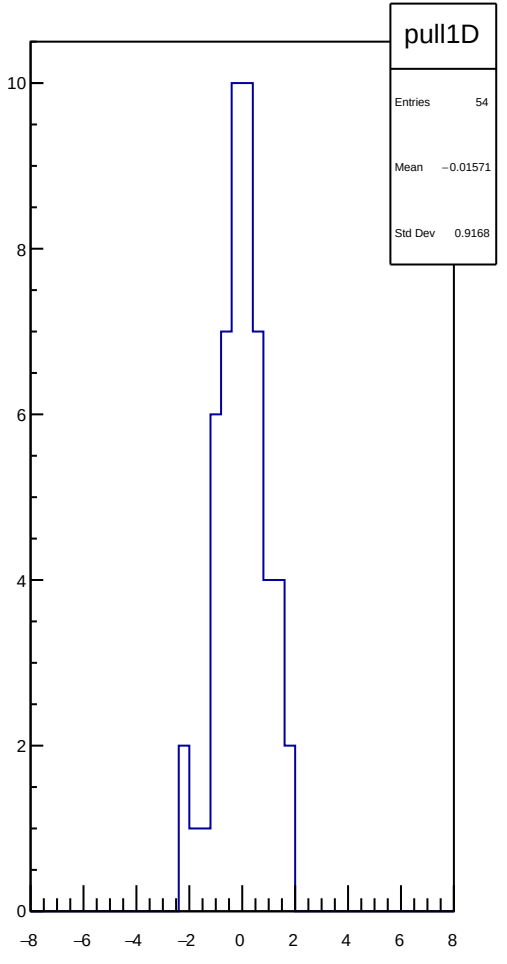

pull1D
Entries 54
Mean −0.02127
Std Dev 0.9486

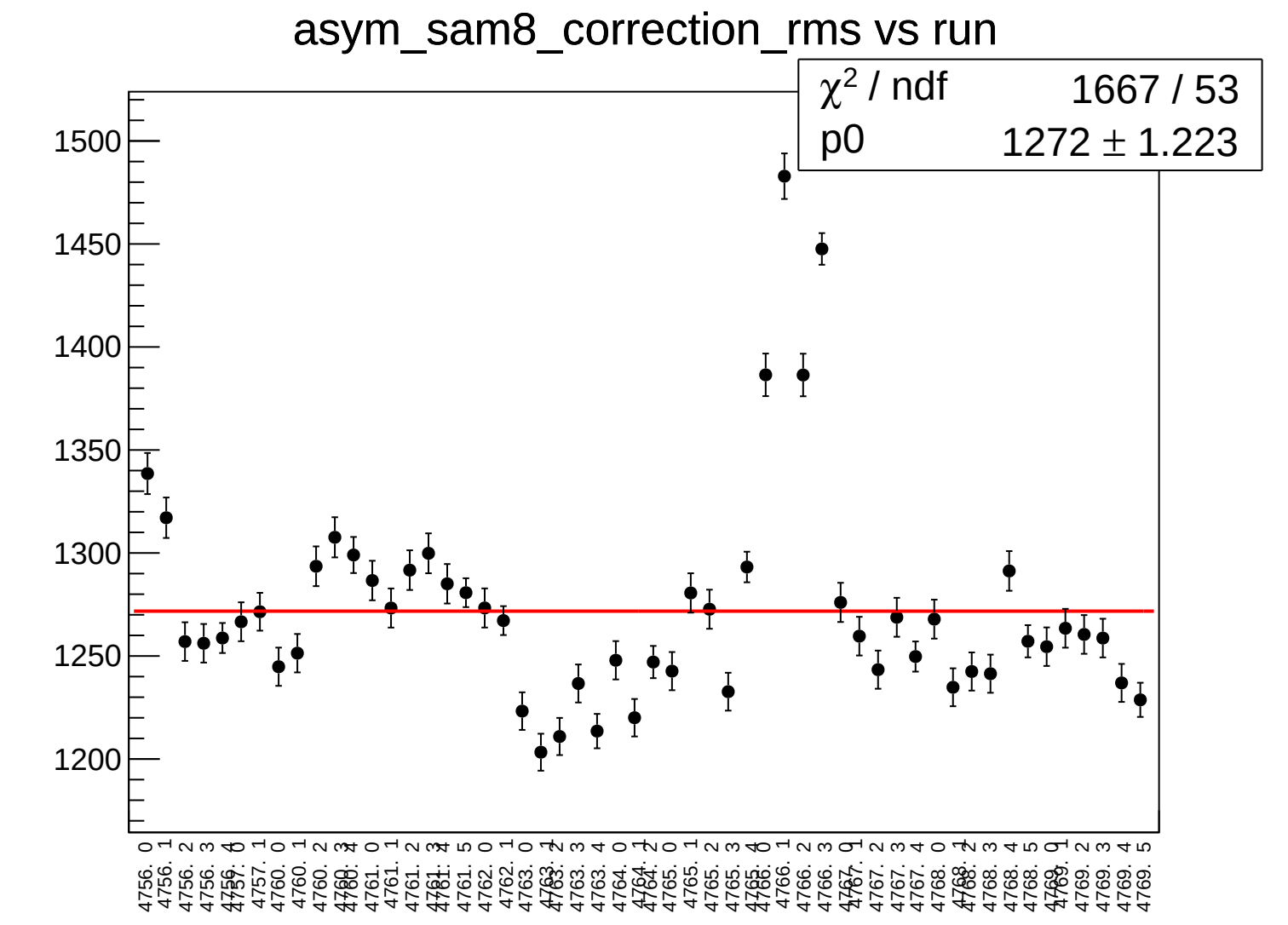

asym_sam7_correction_rms vs run
χ² / ndf 2214 / 53
p0 1666 ± 1.603
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

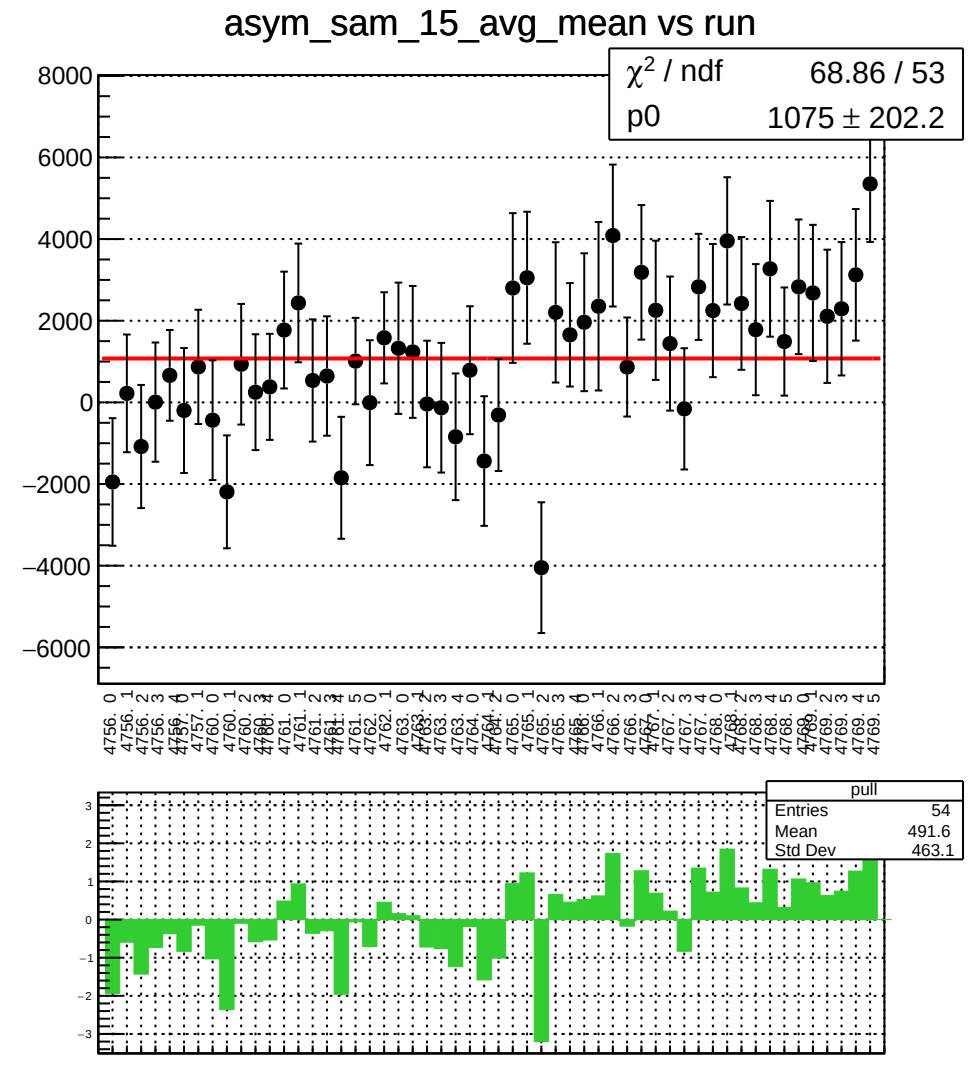

reg_asym_sam8_mean vs run
χ² / ndf 59.2 / 53
p0 1102 ± 607.3
pull
Entries 54
Mean 41.58
Std Dev 34.47
pull1D
Entries 54
Mean −0.02648
Std Dev 1.047

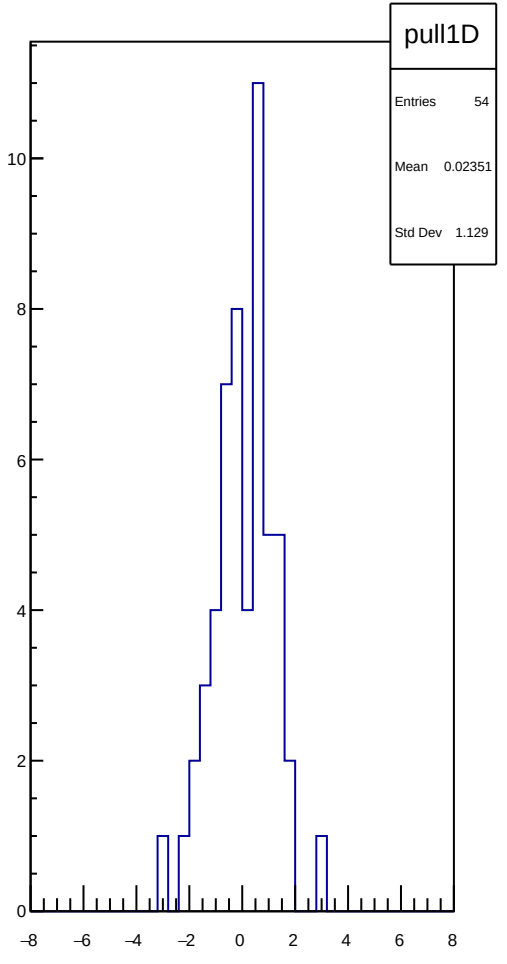

reg_asym_sam8_rms vs run
χ² / ndf 3802 / 53
p0 446.1 ± 0.4295
540
520
500
480
460
440
420
400
380
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

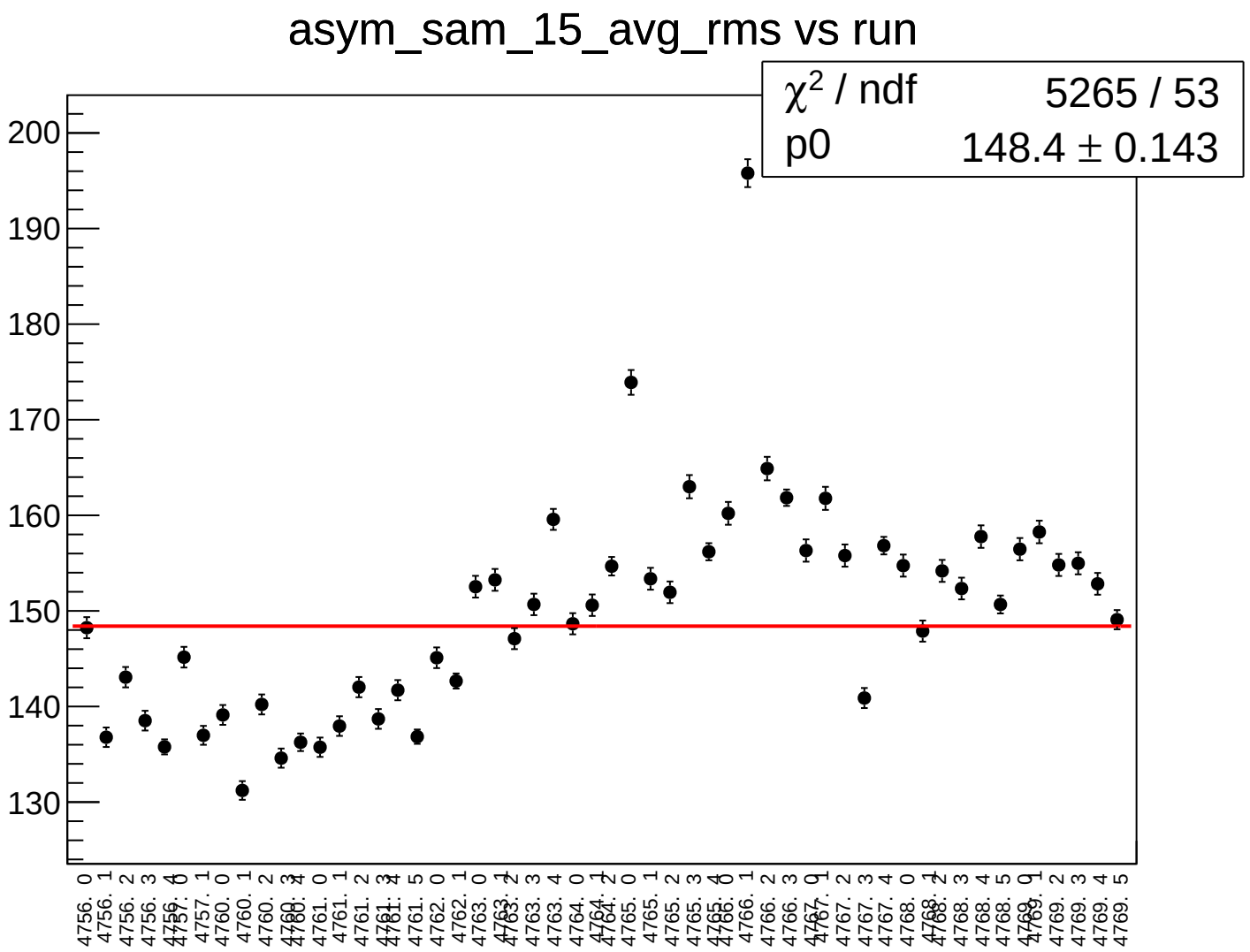

asym_sam8_correction_mean vs run
χ² / ndf 45.4 / 53
p0 8402 ± 1730
pull
Entries 54
Mean −114.4
Std Dev 137.2


pull1D
Entries 54
Mean −0.01571
Std Dev 0.9168


asym_sam8_correction_rms vs run
χ² / ndf 1667 / 53
p0 1272 ± 1.223
1500
1450
1400
1350
1300
1250
1200


asym_sam_15_avg_mean vs run
χ^2 / ndf 68.86 / 53
p0 1075 ± 202.2
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 54
Mean 491.6
Std Dev 463.1
3
2
1
0
−1
−2
−3


pull1D
Entries 54
Mean 0.02351
Std Dev 1.129
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_rms vs run
χ^2 / ndf 5265 / 53
p0 148.4 ± 0.143
200
190
180
170
160
150
140
130
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
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4768. 4
4768. 5
4769. 0
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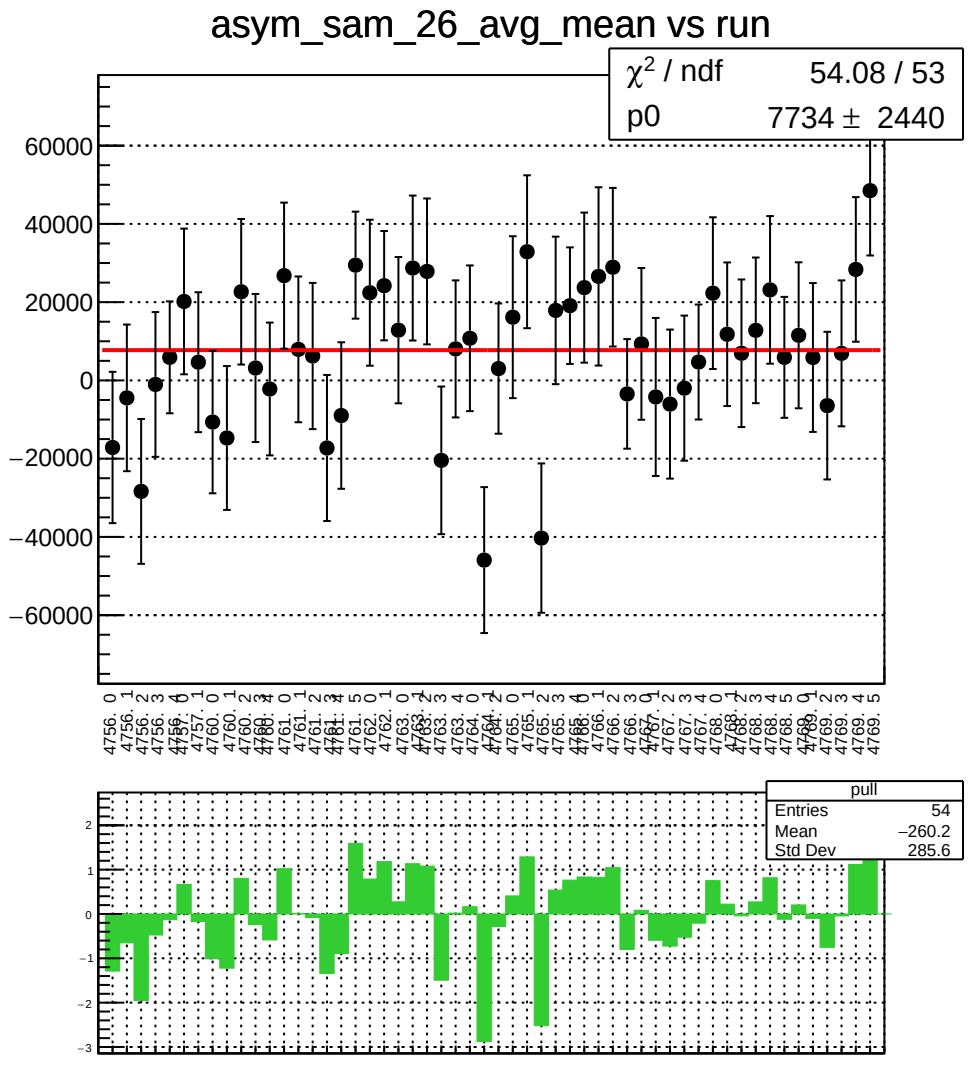
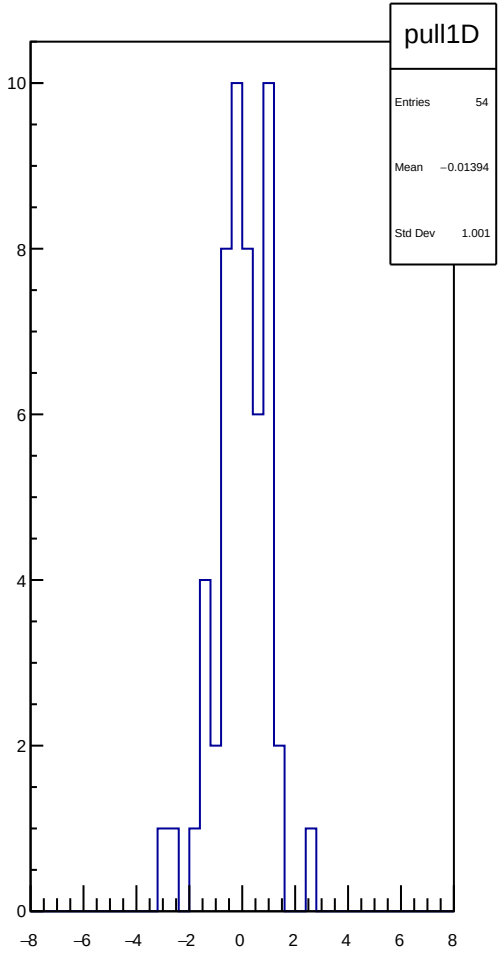
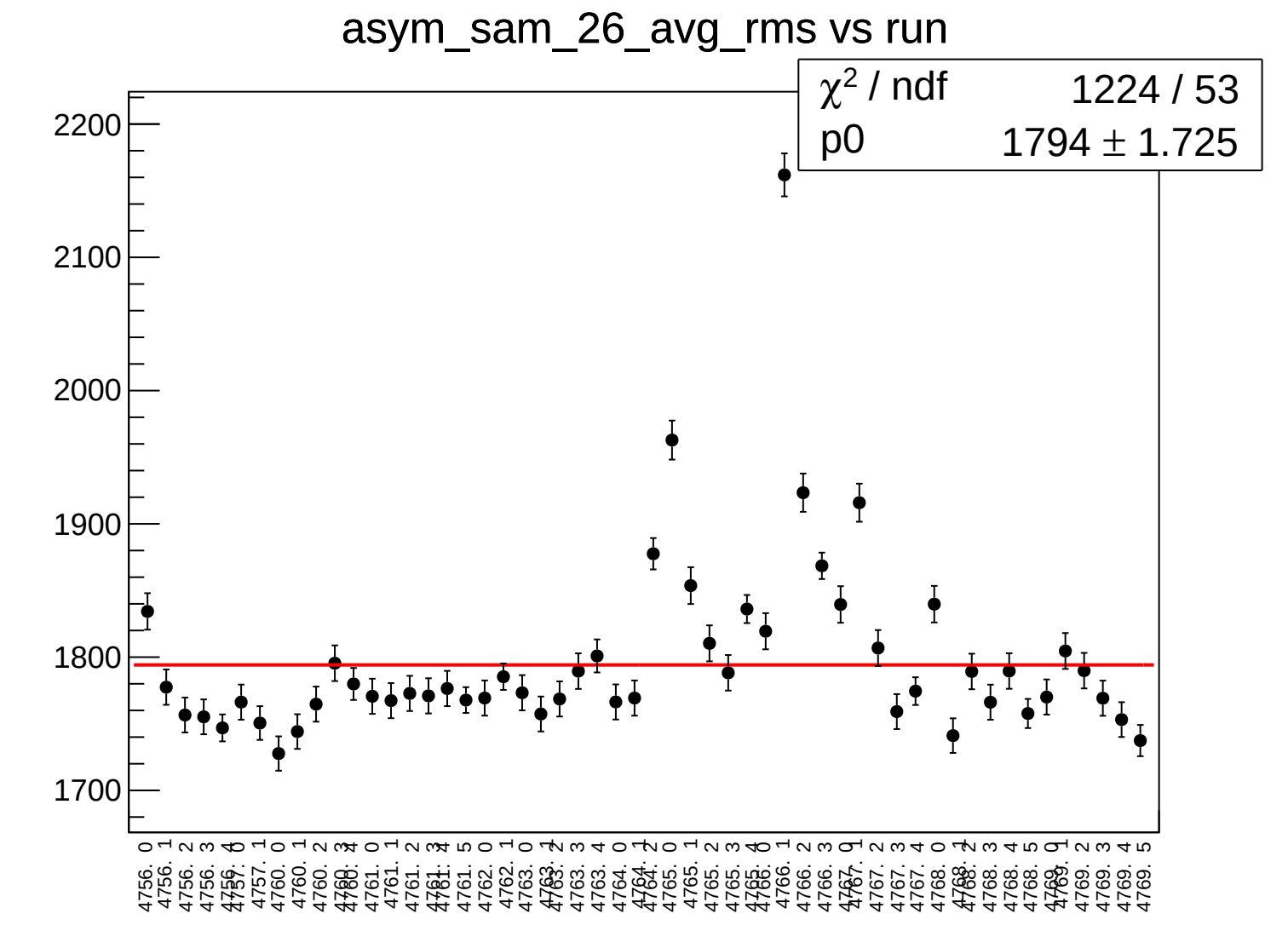
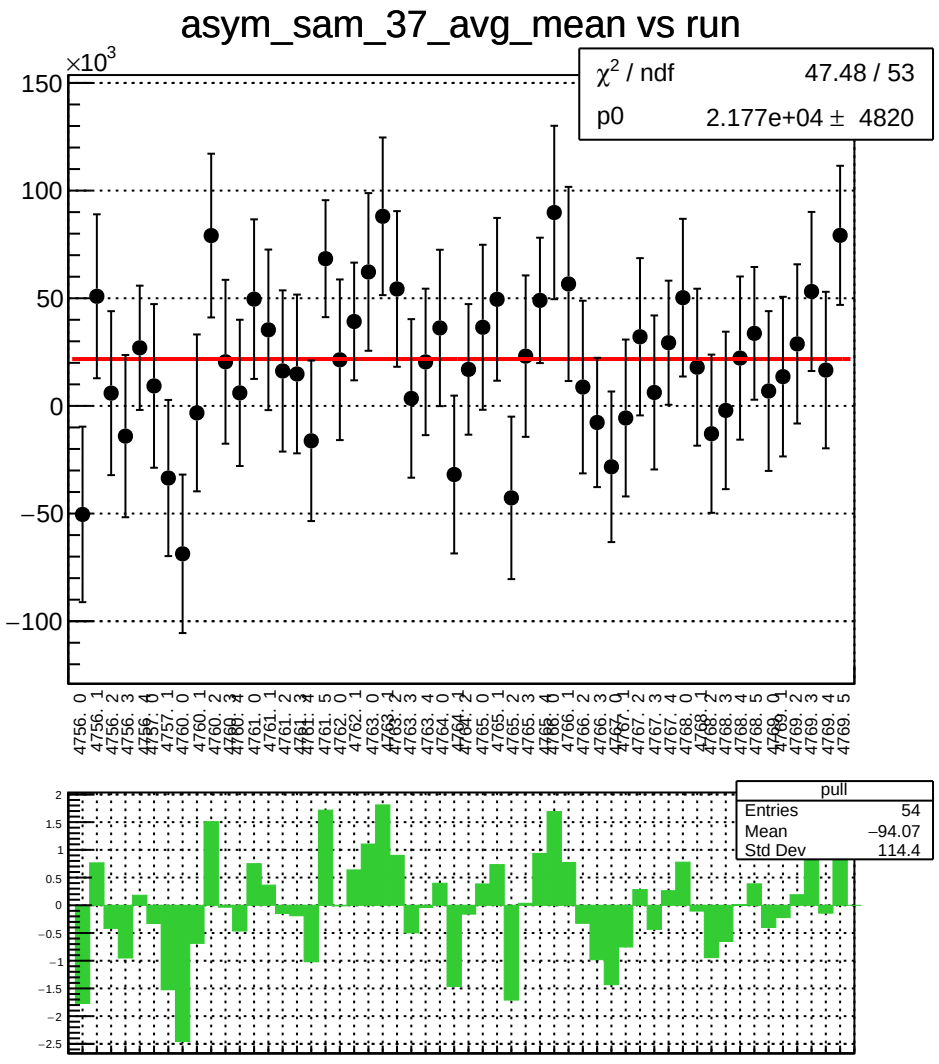
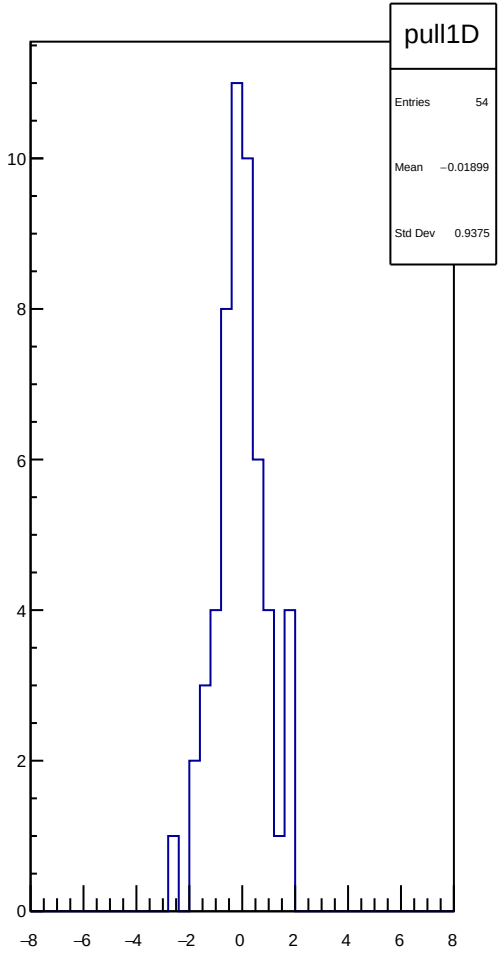
4769. 4
4769. 5

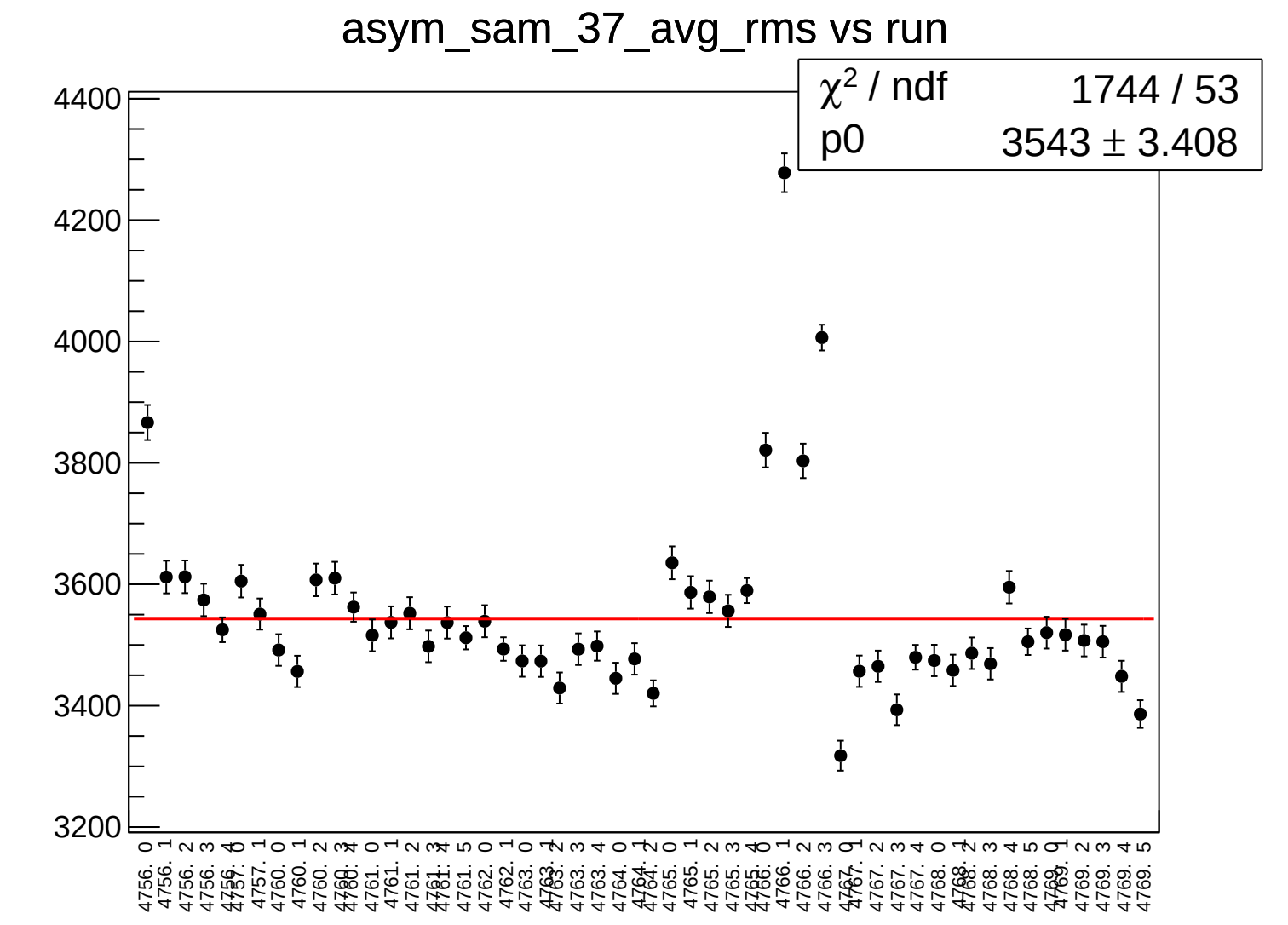

asym_sam_26_avg_mean vs run
χ² / ndf 54.08 / 53
p0 7734 ± 2440
pull
Entries 54
Mean −260.2
Std Dev 285.6

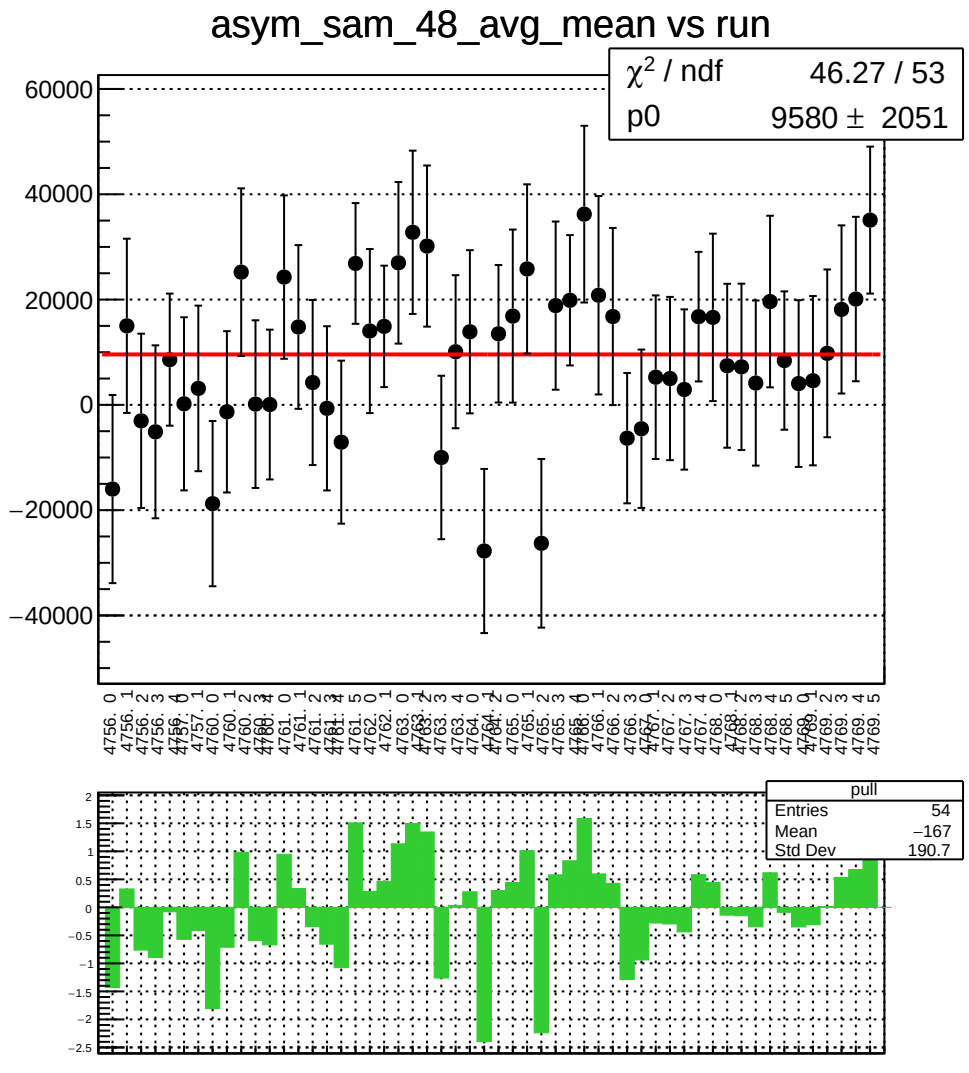

pull1D
Entries 54
Mean −0.01394
Std Dev 1.001

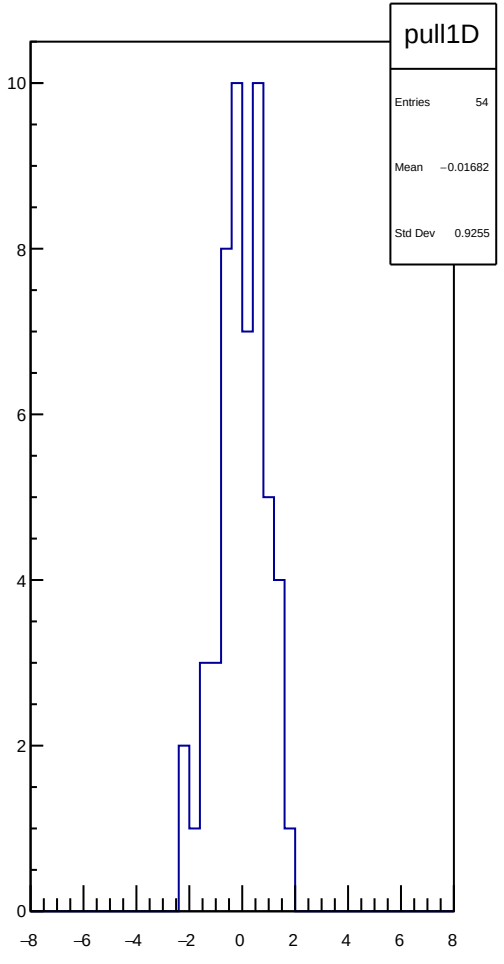

asym_sam_26_avg_rms vs run
χ² / ndf 1224 / 53
p0 1794 ± 1.725
2200
2100
2000
1900
1800
1700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

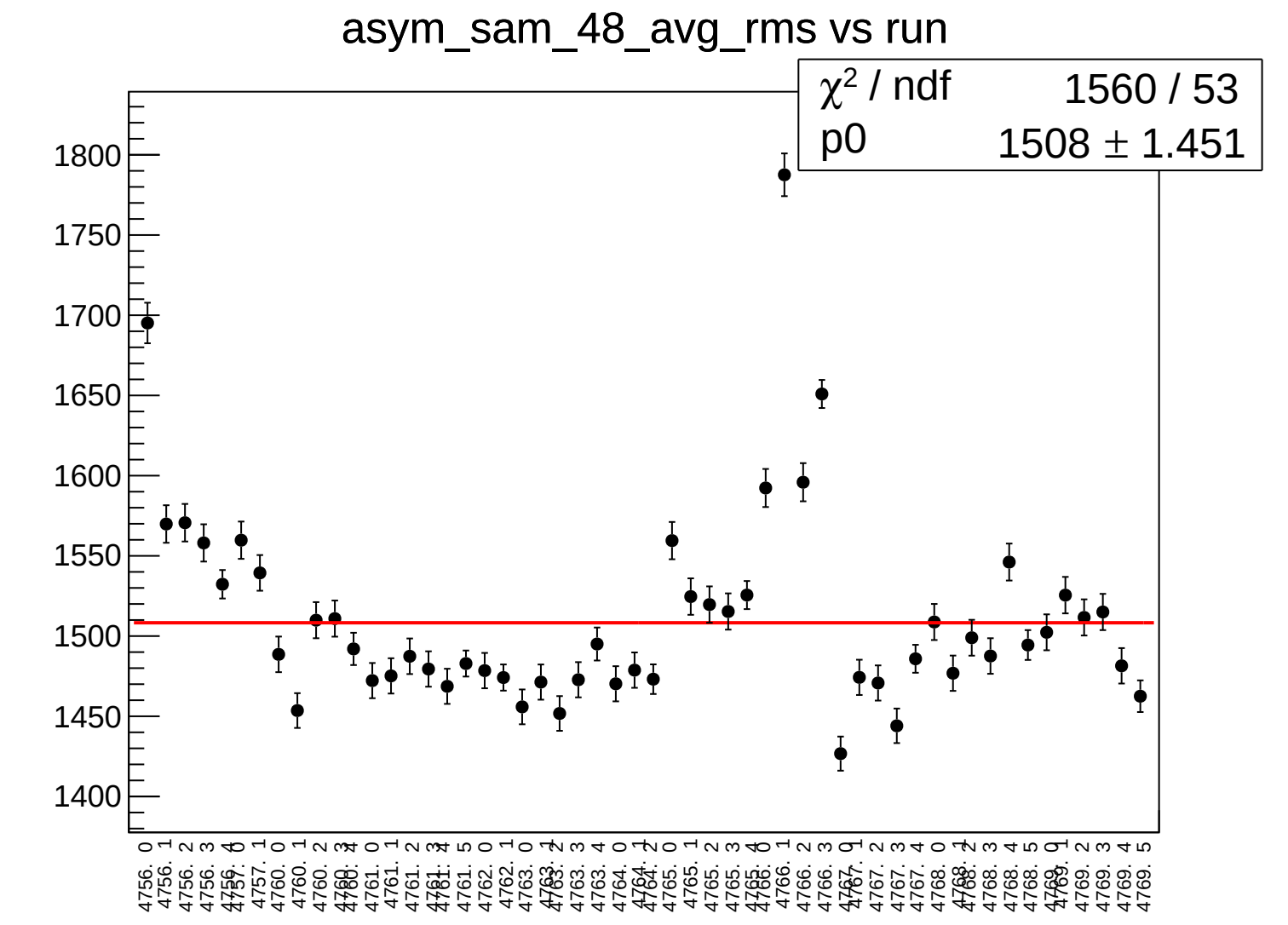

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 47.48 / 53
p0 2.177e+04 ± 4820
pull
Entries 54
Mean −94.07
Std Dev 114.4

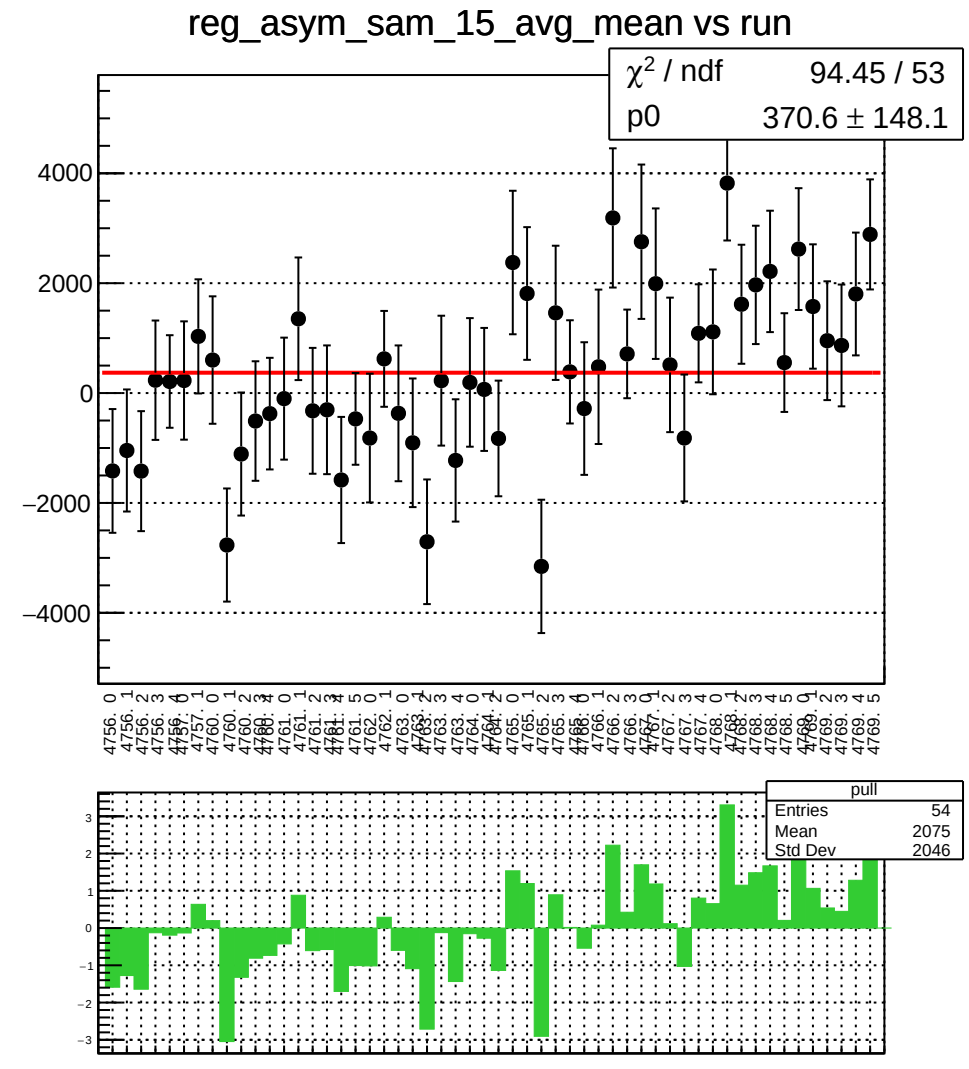

pull1D
Entries 54
Mean −0.01899
Std Dev 0.9375

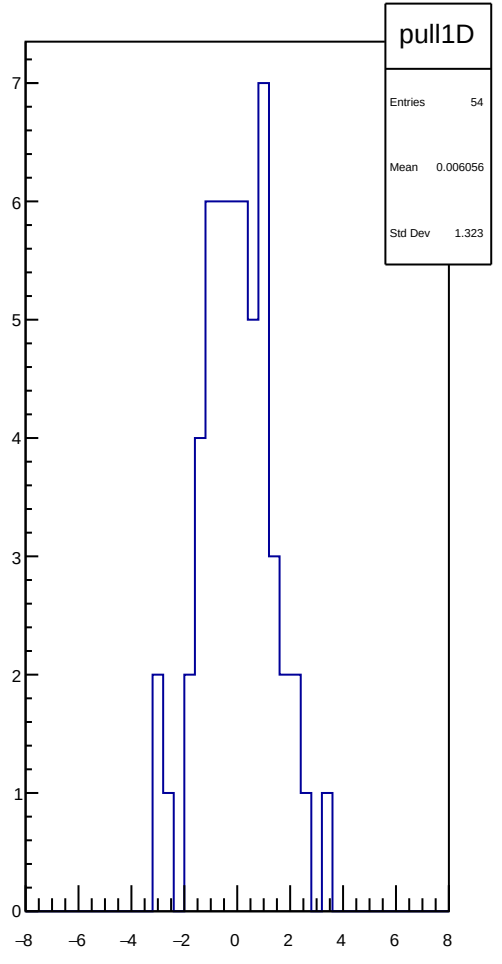

asym_sam_37_avg_rms vs run
χ² / ndf 1744 / 53
p0 3543 ± 3.408
4400
4200
4000
3800
3600
3400
3200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

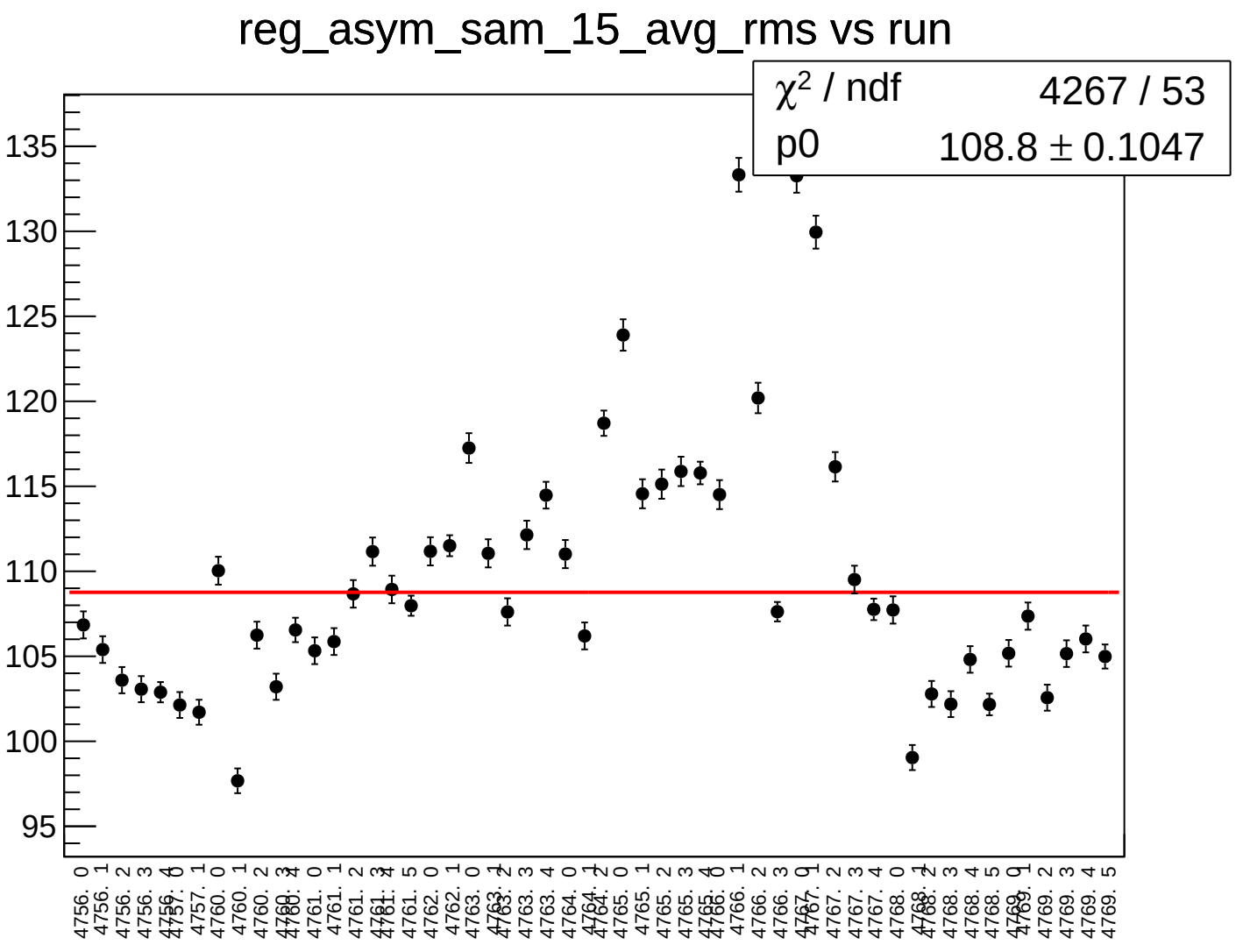

asym_sam_48_avg_mean vs run
χ² / ndf 46.27 / 53
p0 9580 ± 2051
pull
Entries 54
Mean −167
Std Dev 190.7

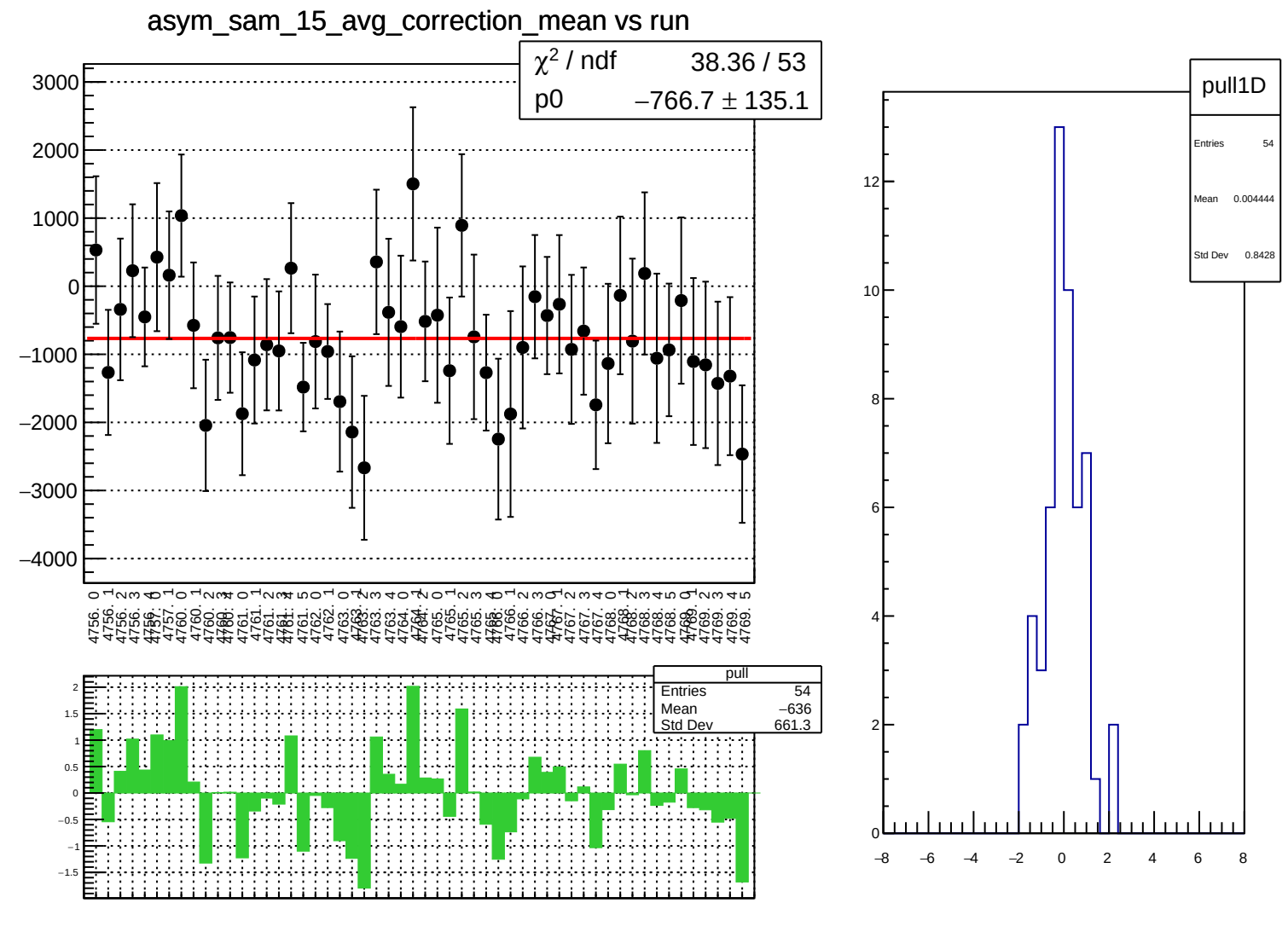

pull1D
Entries 54
Mean −0.01682
Std Dev 0.9255

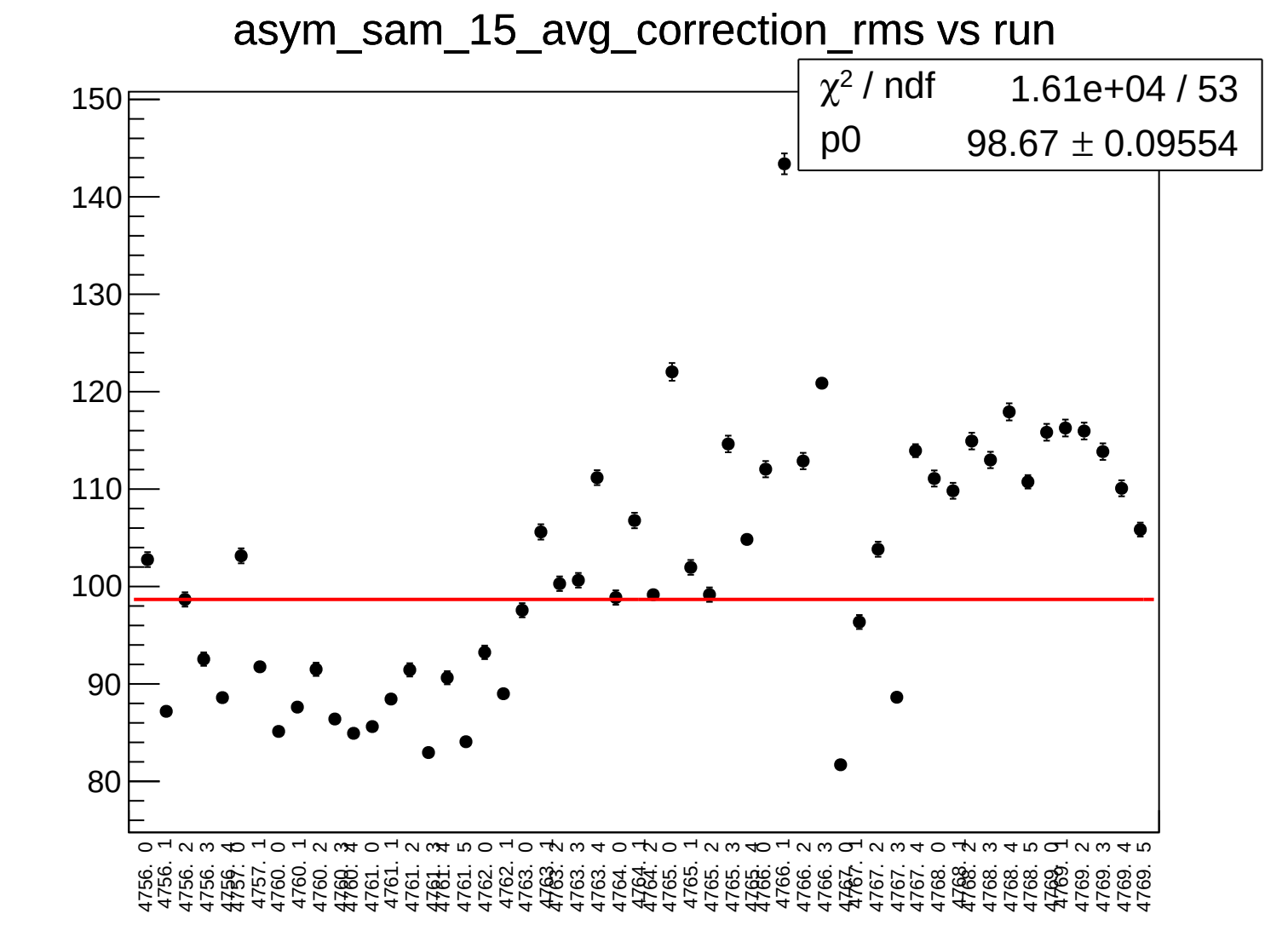

asym_sam_48_avg_rms vs run
χ² / ndf 1560 / 53
p0 1508 ± 1.451
1800
1750
1700
1650
1600
1550
1500
1450
1400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

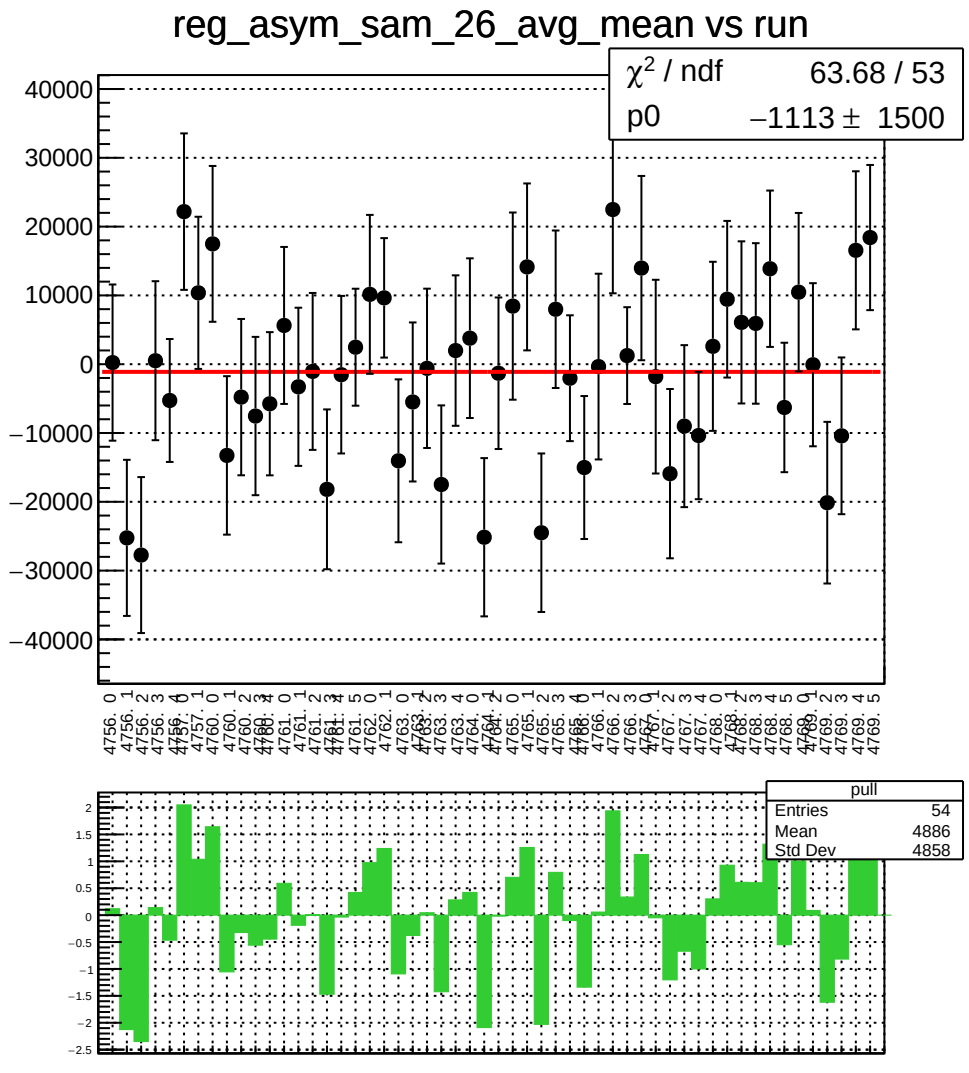

reg_asym_sam_15_avg_mean vs run
χ^2 / ndf 94.45 / 53
p0 370.6 ± 148.1
4000
2000
0
−2000
−4000
pull
Entries 54
Mean 2075
Std Dev 2046
3
2
1
0
−1
−2
−3

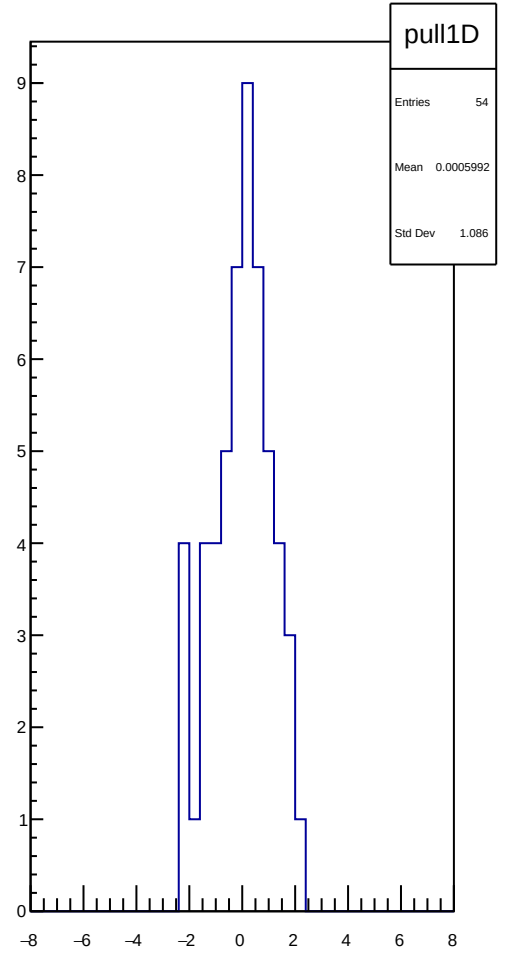

pull1D
Entries 54
Mean 0.006056
Std Dev 1.323
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

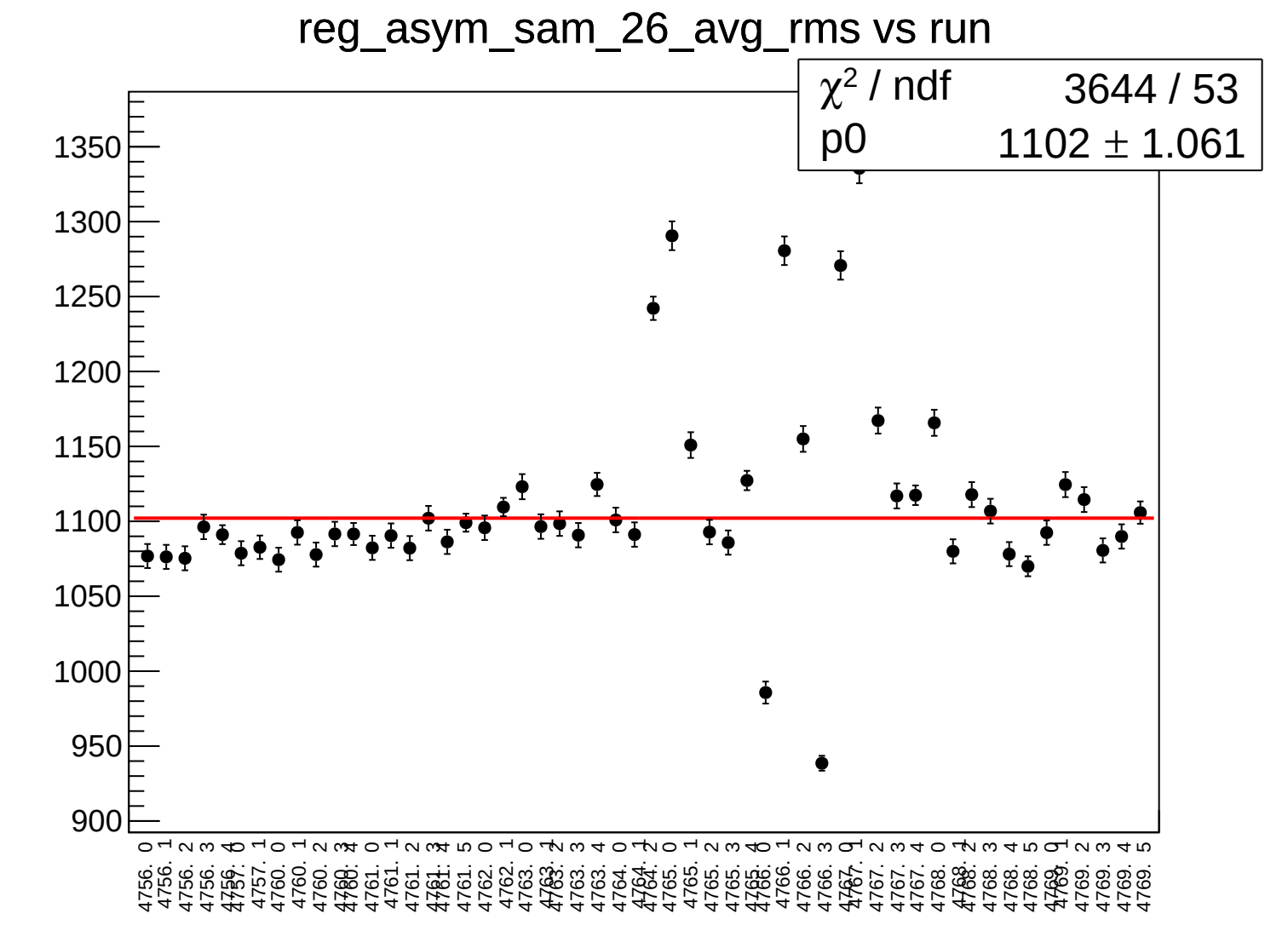

reg_asym_sam_15_avg_rms vs run
χ² / ndf 4267 / 53
p0 108.8 ± 0.1047
135
130
125
120
115
110
105
100
95
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

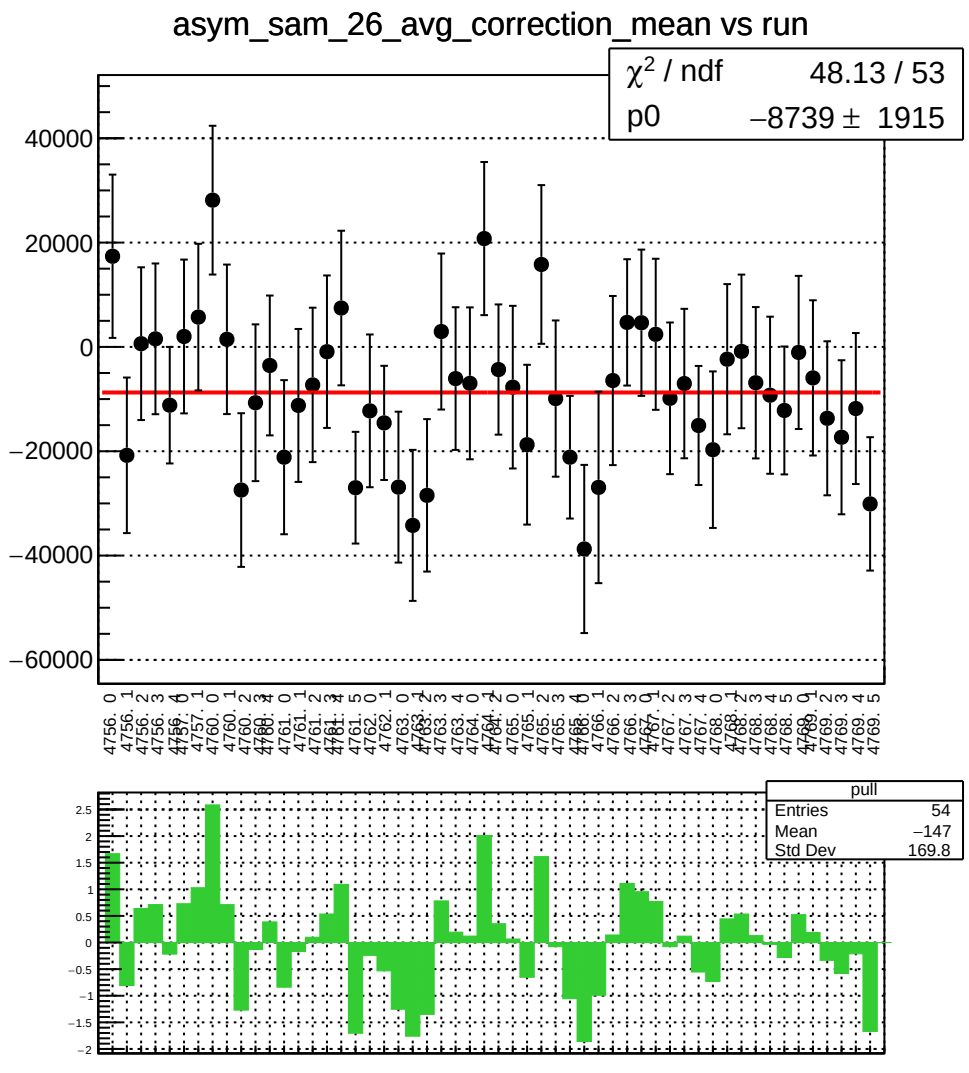

asym_sam_15_avg_correction_mean vs run
χ² / ndf 38.36 / 53
p0 −766.7 ± 135.1
pull
Entries 54
Mean −636
Std Dev 661.3
pull1D
Entries 54
Mean 0.004444
Std Dev 0.8428

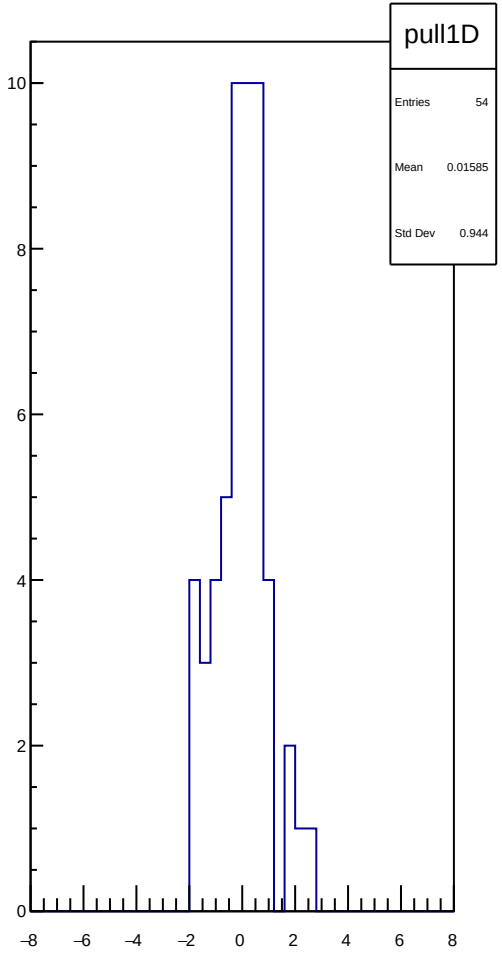

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.61e+04 / 53
p0 98.67 ± 0.09554
150
140
130
120
110
100
90
80
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

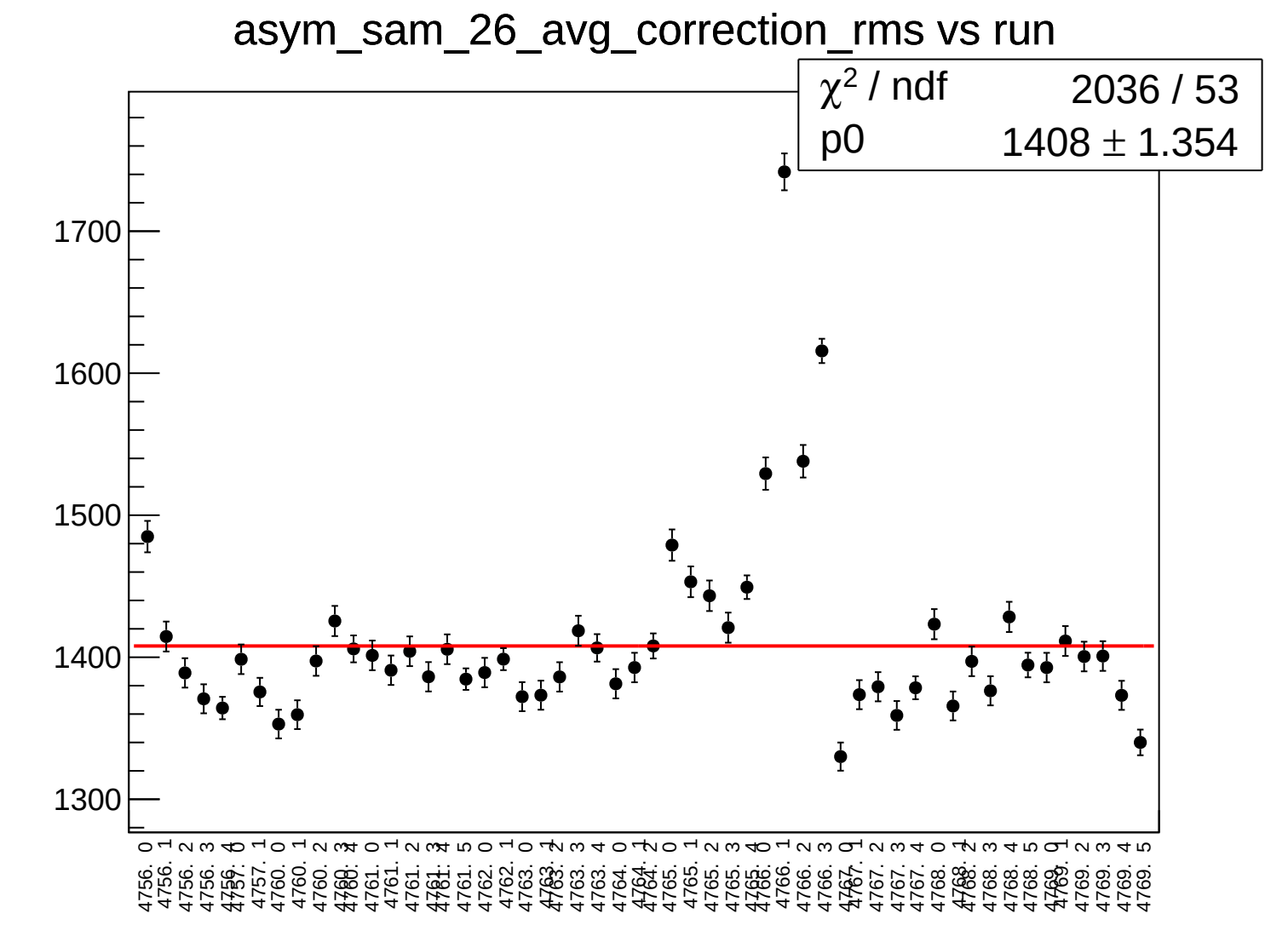

reg_asym_sam_26_avg_mean vs run
χ² / ndf 63.68 / 53
p0 −1113 ± 1500
pull
Entries 54
Mean 4886
Std Dev 4858

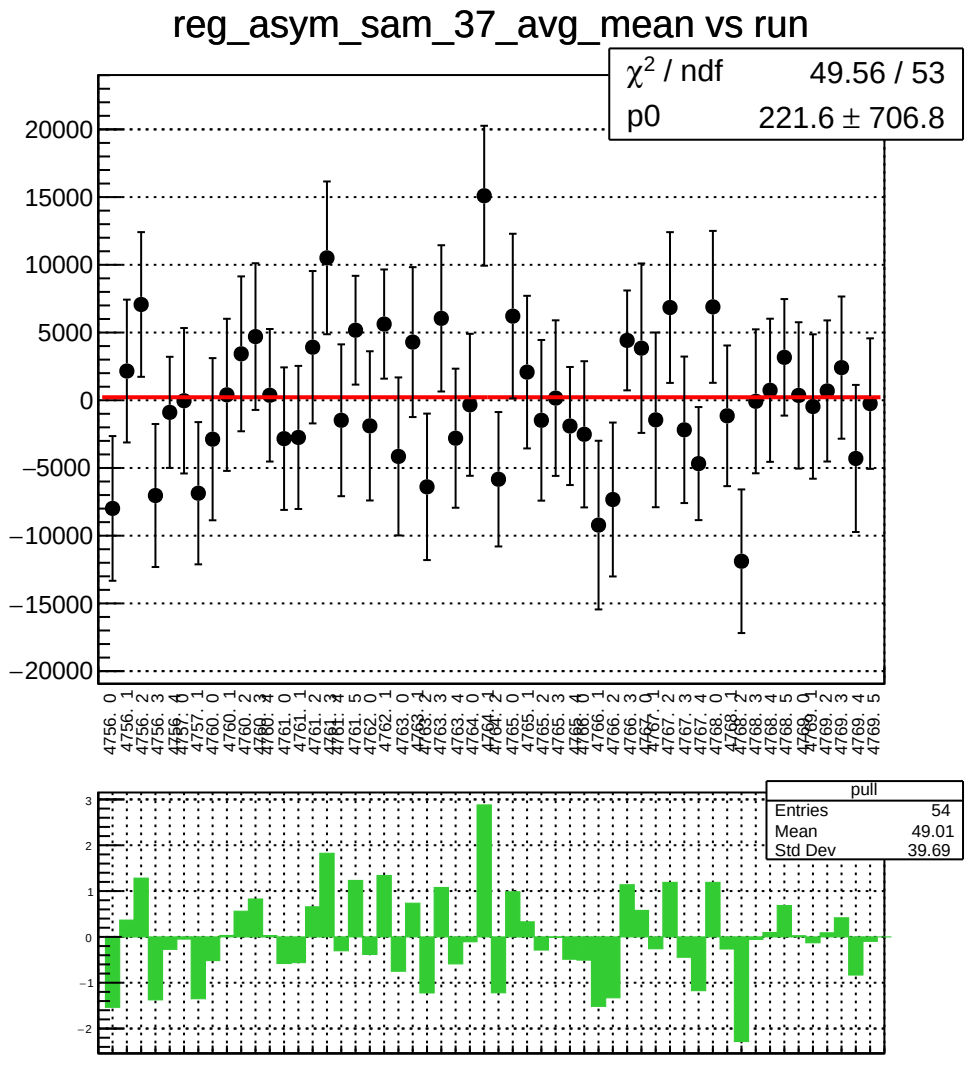

pull1D
Entries 54
Mean 0.0005992
Std Dev 1.086

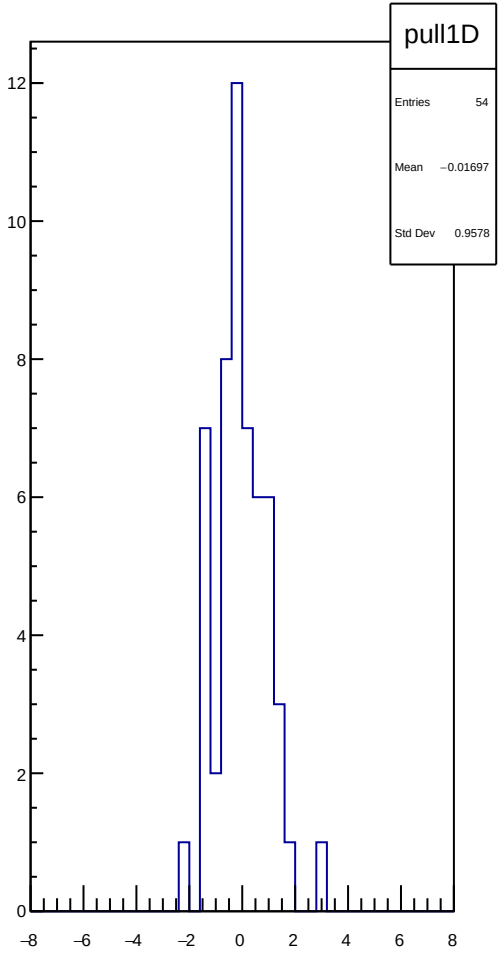

reg_asym_sam_26_avg_rms vs run
χ² / ndf 3644 / 53
p0 1102 ± 1.061
1350
1300
1250
1200
1150
1100
1050
1000
950
900
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

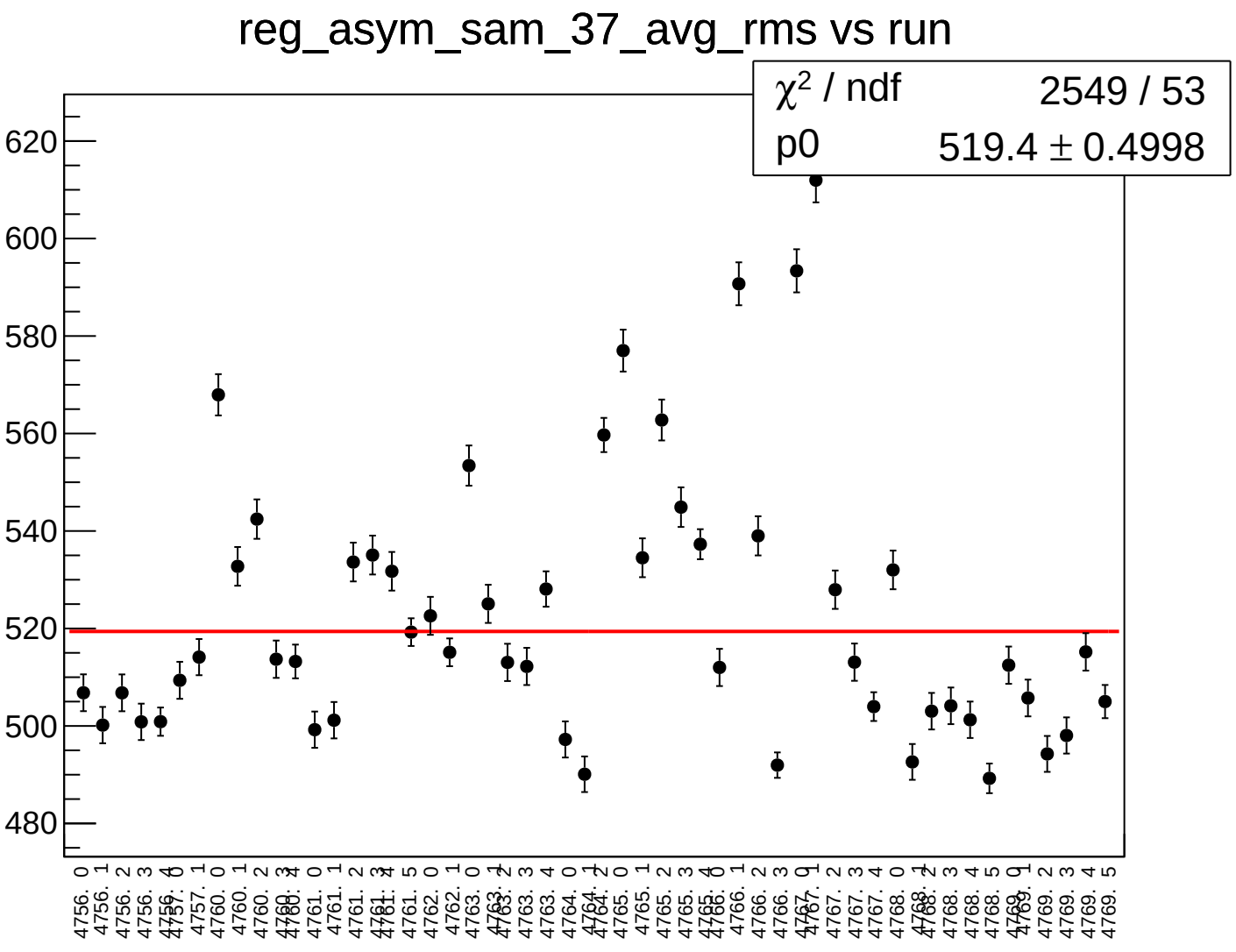

asym_sam_26_avg_correction_mean vs run
χ² / ndf 48.13 / 53
p0 −8739 ± 1915
pull
Entries 54
Mean −147
Std Dev 169.8

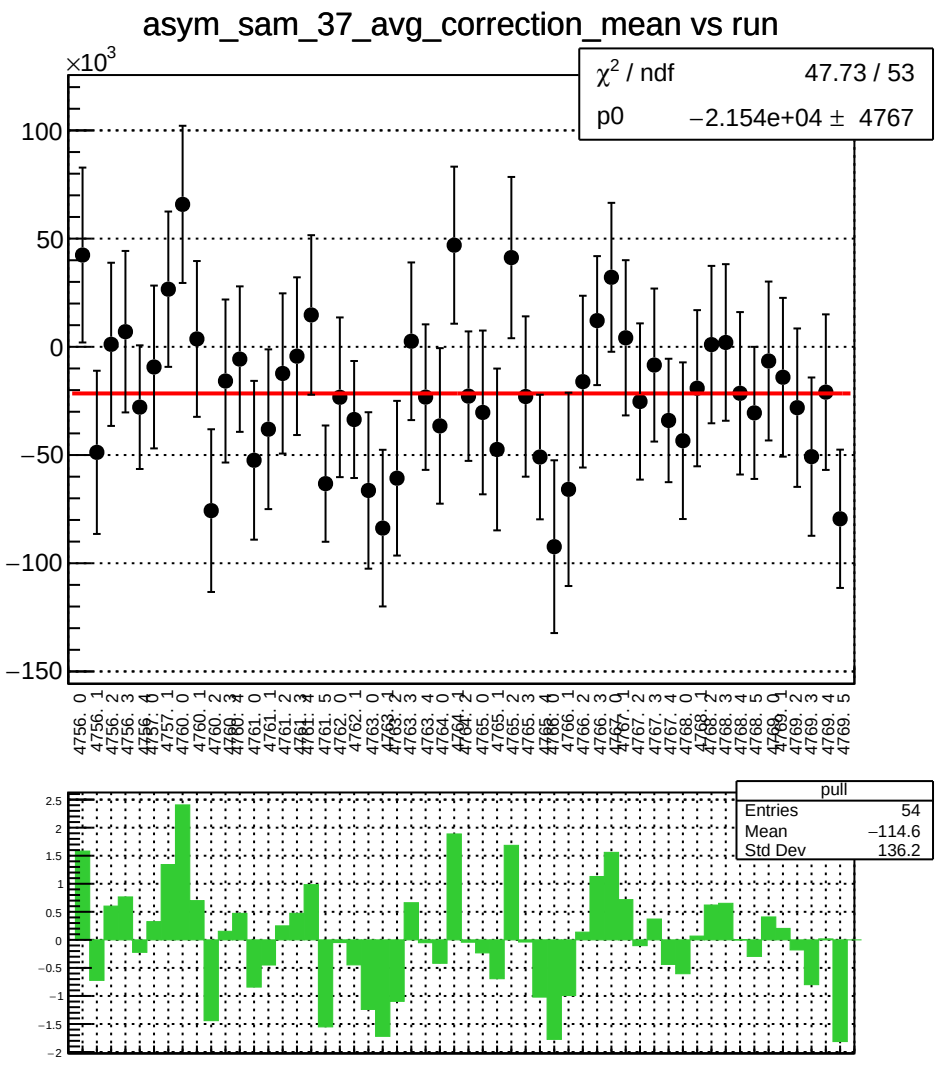

pull1D
Entries 54
Mean 0.01585
Std Dev 0.944

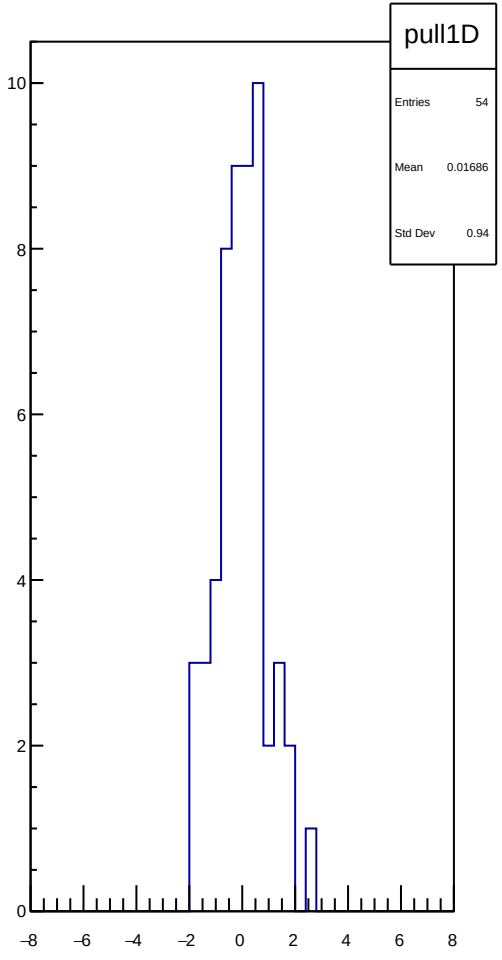

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2036 / 53
p0 1408 ± 1.354
1700
1600
1500
1400
1300
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

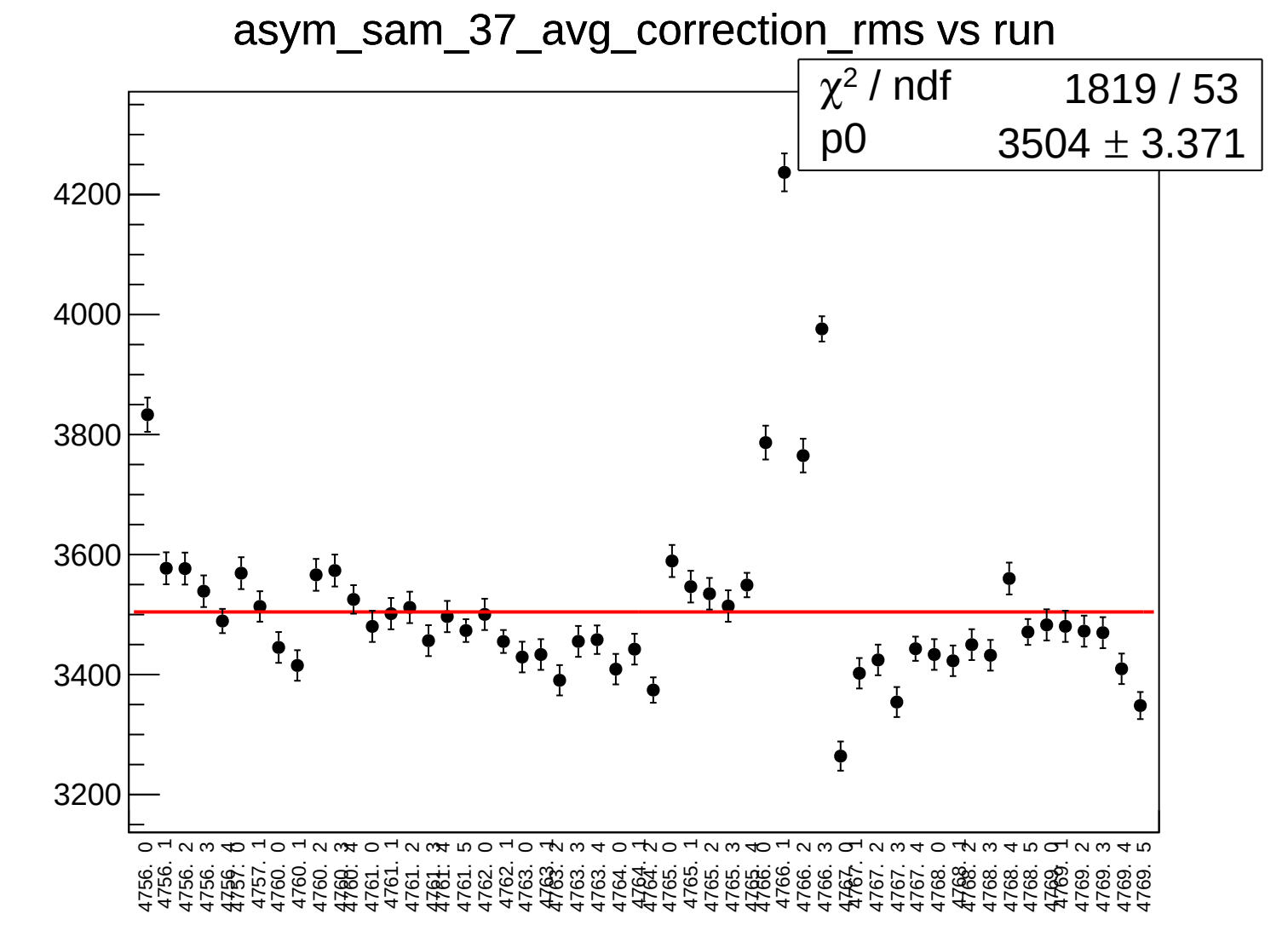

reg_asym_sam_37_avg_mean vs run
χ² / ndf 49.56 / 53
p0 221.6 ± 706.8
pull
Entries 54
Mean 49.01
Std Dev 39.69

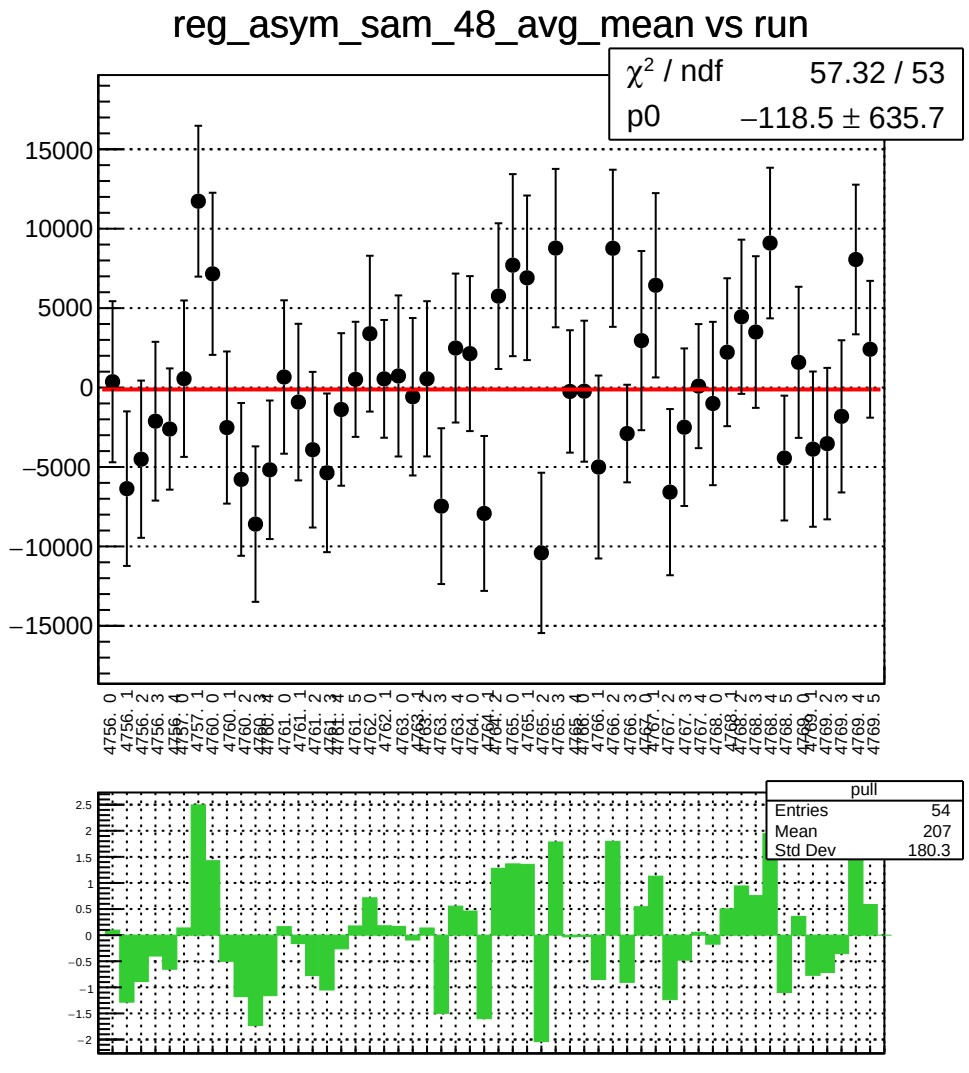

pull1D
Entries 54
Mean −0.01697
Std Dev 0.9578

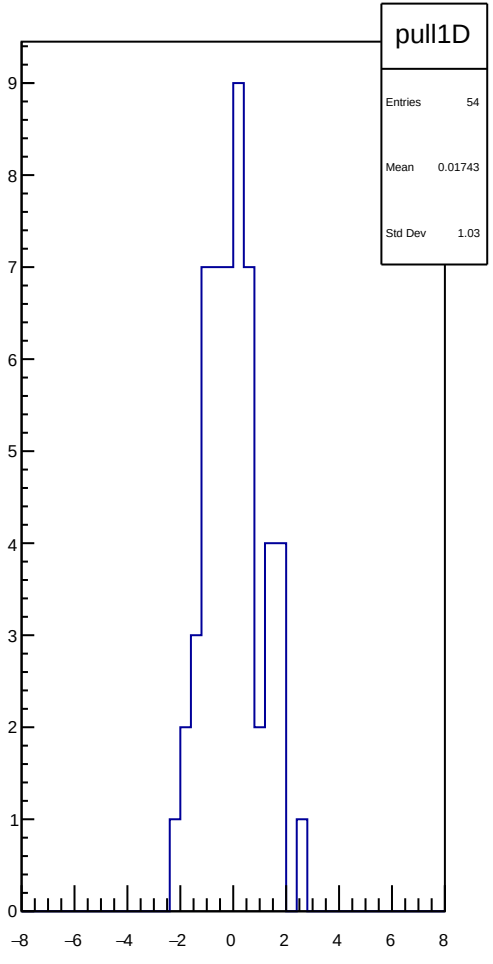

reg_asym_sam_37_avg_rms vs run
χ² / ndf 2549 / 53
p0 519.4 ± 0.4998
620
600
580
560
540
520
500
480
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

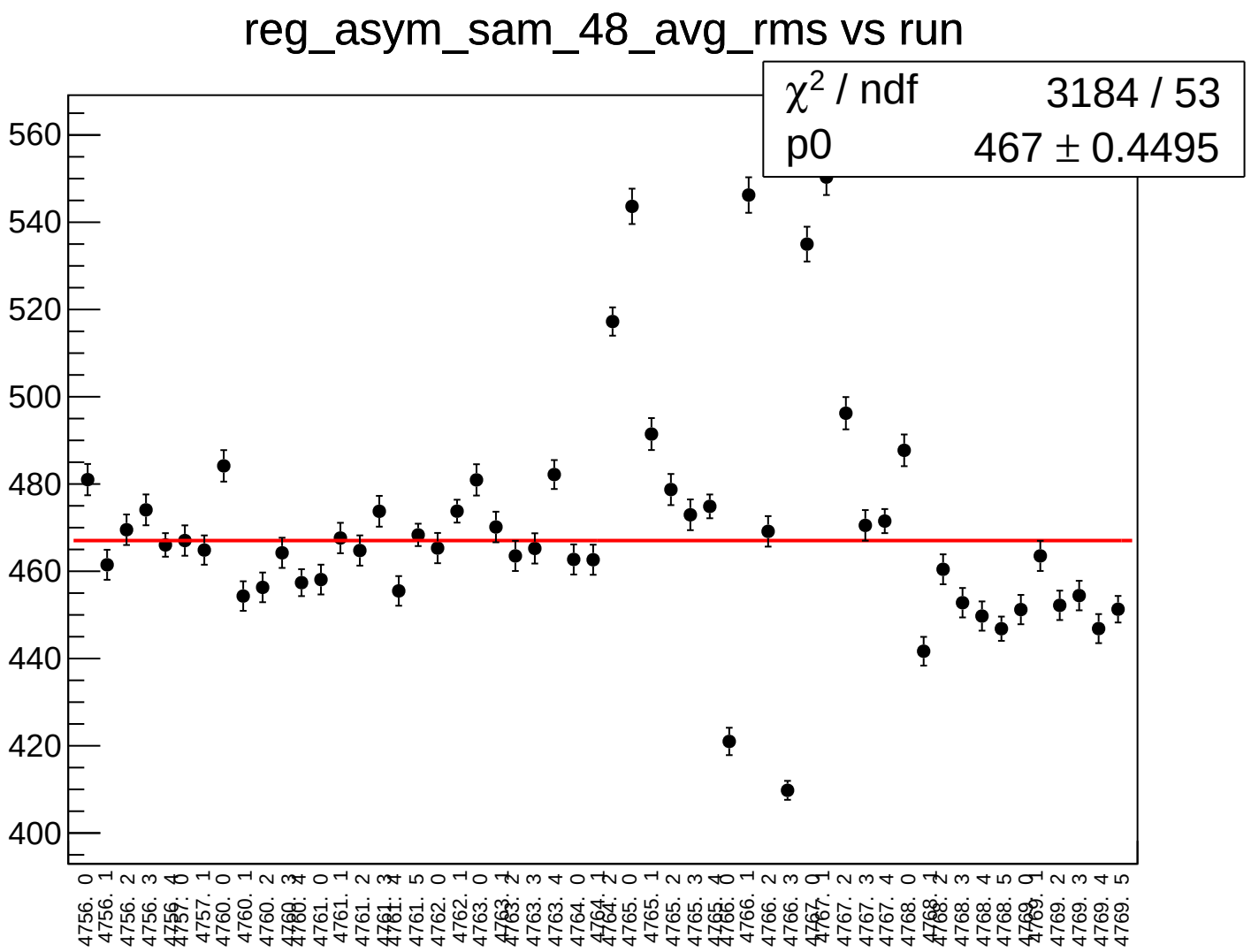

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 47.73 / 53
p0 −2.154e+04 ± 4767
100
50
0
−50
−100
−150
pull
Entries 54
Mean −114.6
Std Dev 136.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01686
Std Dev 0.94
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_correction_rms vs run
χ² / ndf 1819 / 53
p0 3504 ± 3.371
4200
4000
3800
3600
3400
3200
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5


reg_asym_sam_48_avg_mean vs run
χ² / ndf 57.32 / 53
p0 −118.5 ± 635.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 207
Std Dev 180.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 54
Mean 0.01743
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_48_avg_rms vs run
χ² / ndf 3184 / 53
p0 467 ± 0.4495
560
540
520
500
480
460
440
420
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
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4767. 1
4767. 2
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4768. 0
4768. 1
4768. 2
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4768. 4
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4769. 1
4769. 2
4769. 3
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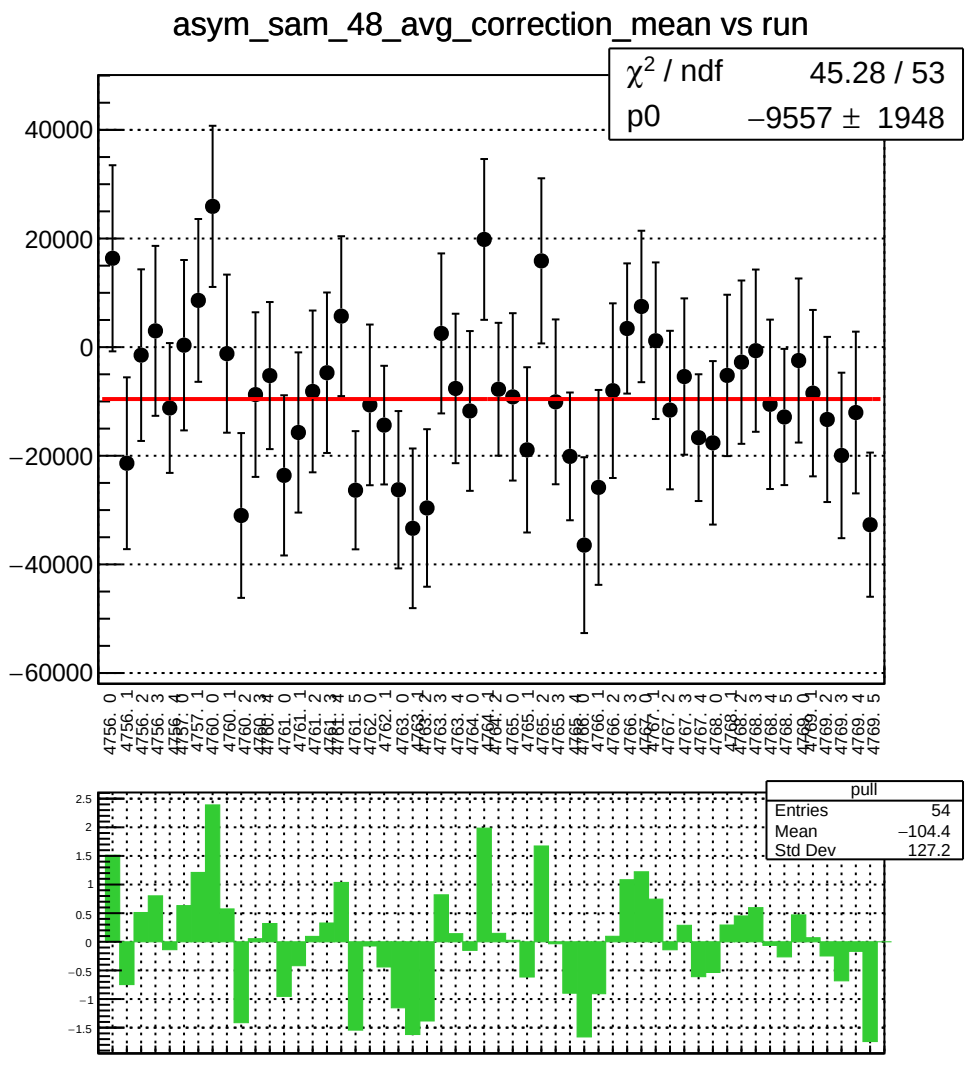
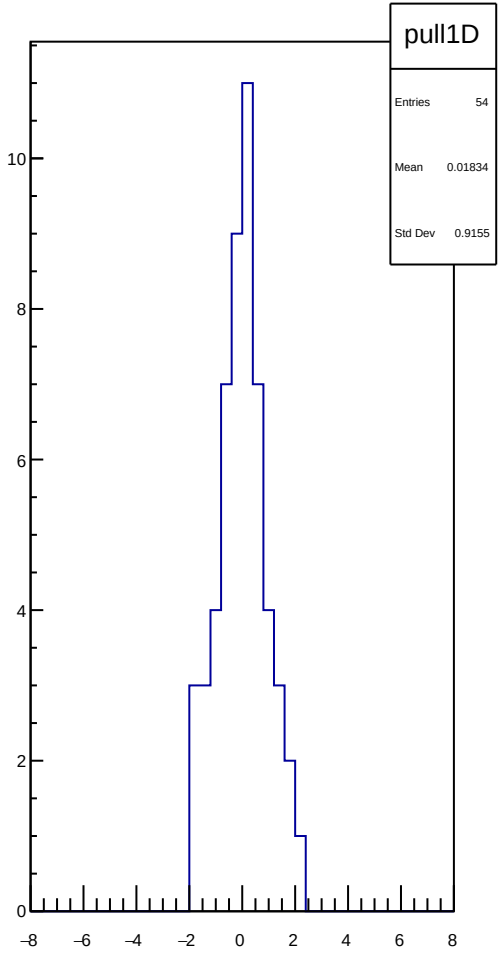
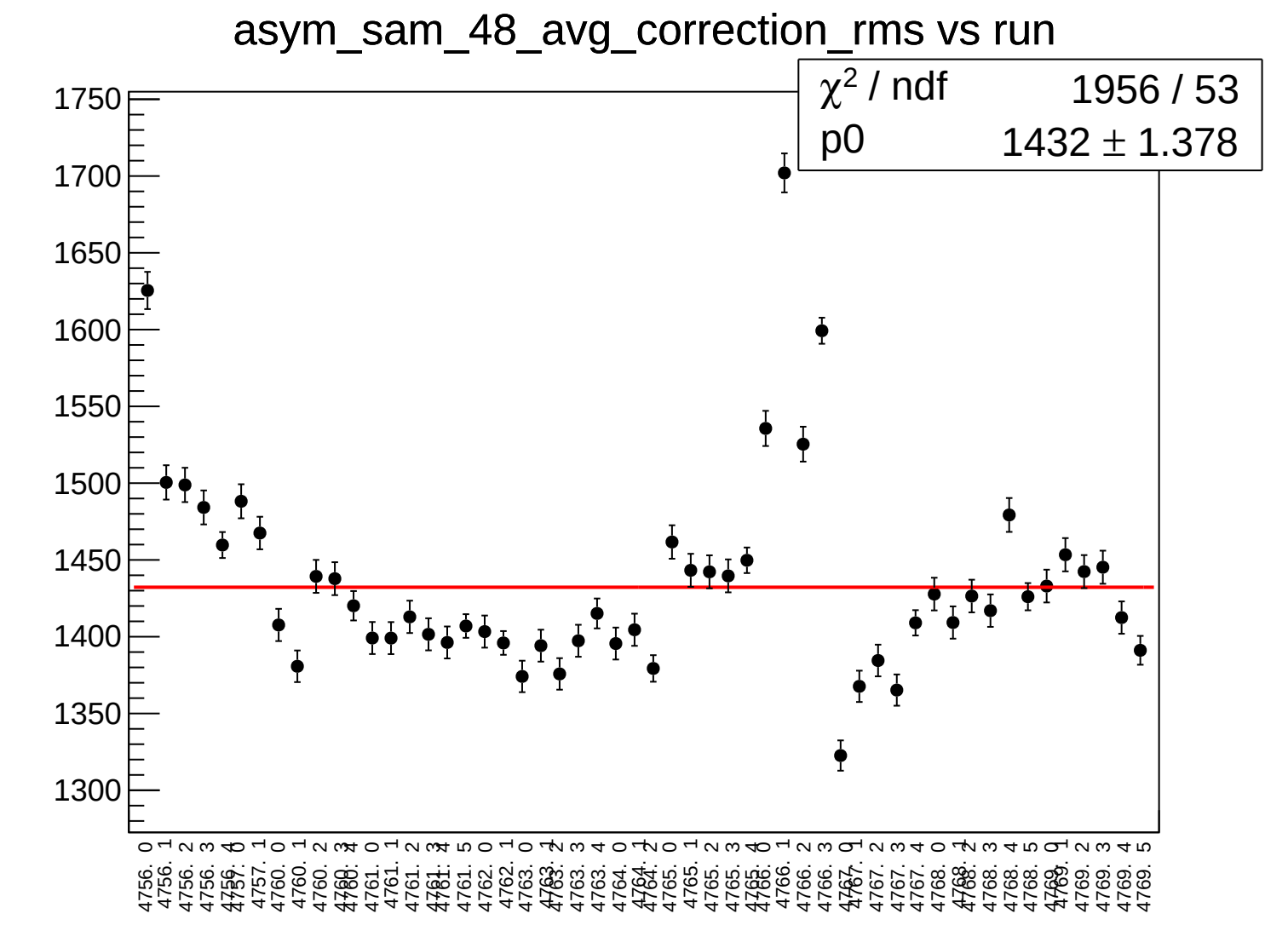
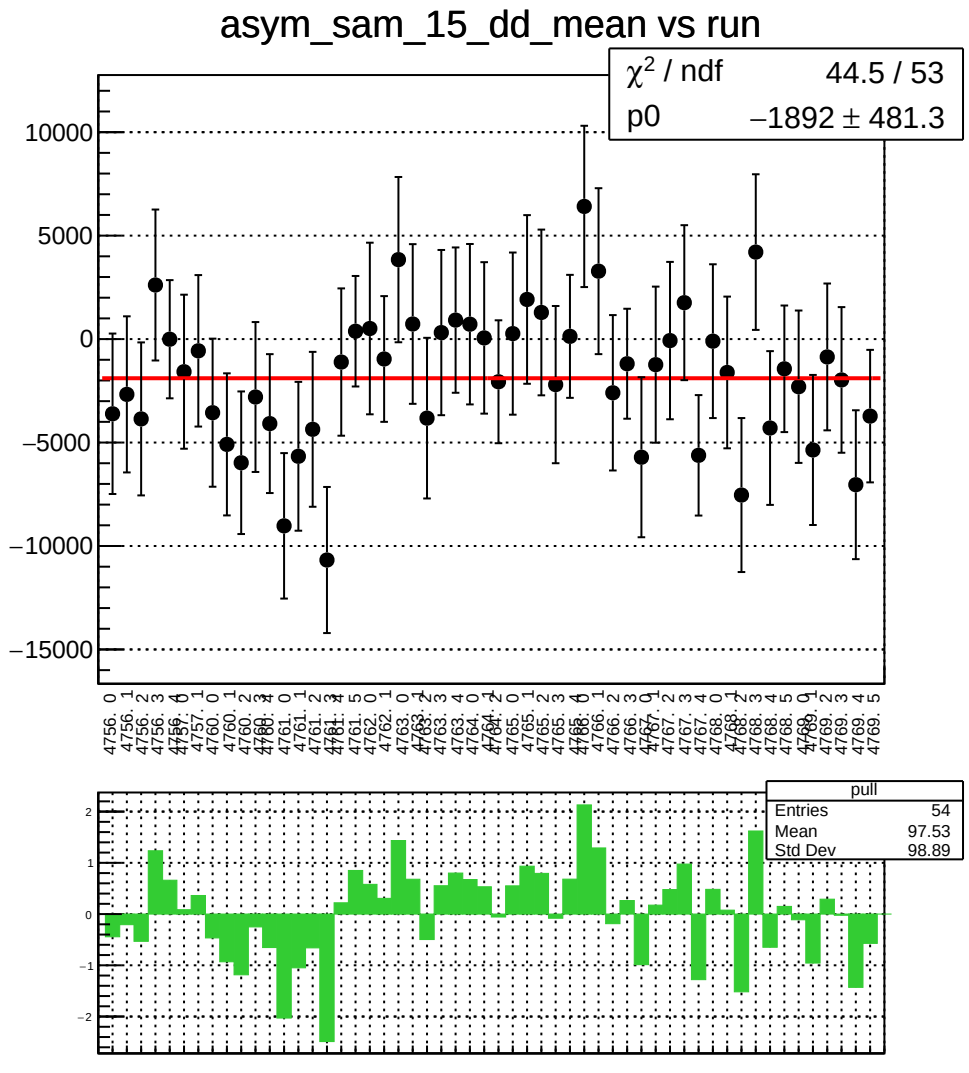
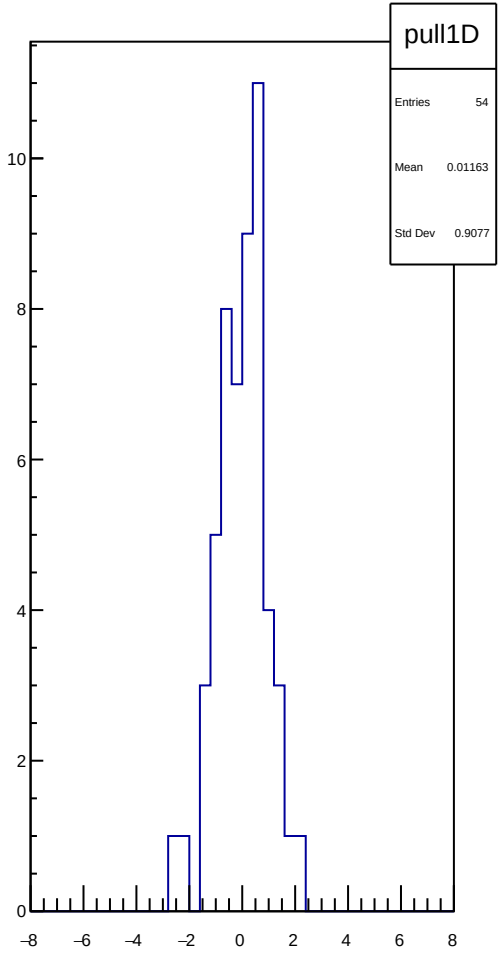
4769. 5

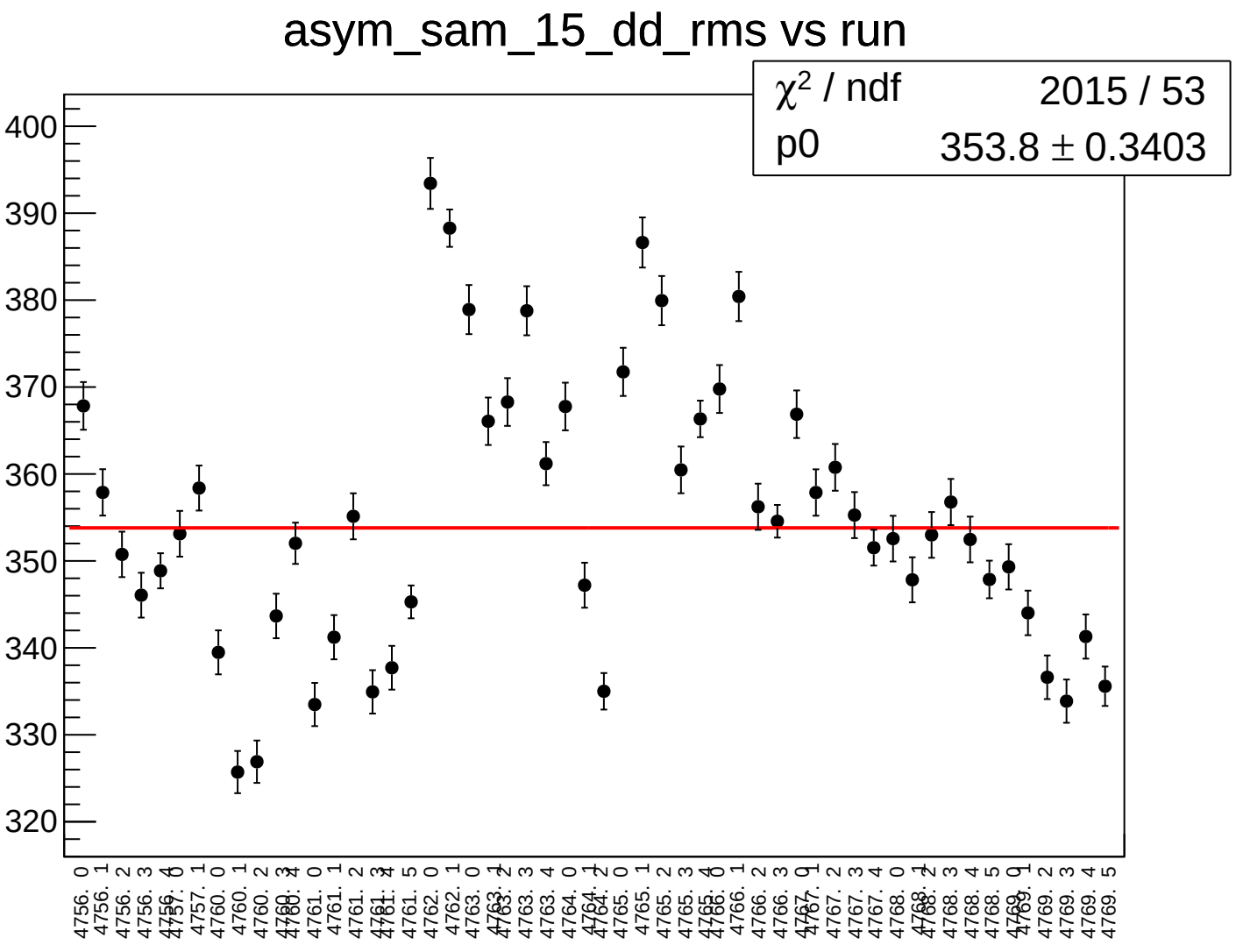

asym_sam_48_avg_correction_mean vs run
χ² / ndf 45.28 / 53
p0 −9557 ± 1948
40000
20000
0
−20000
−40000
−60000
pull
Entries 54
Mean −104.4
Std Dev 127.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

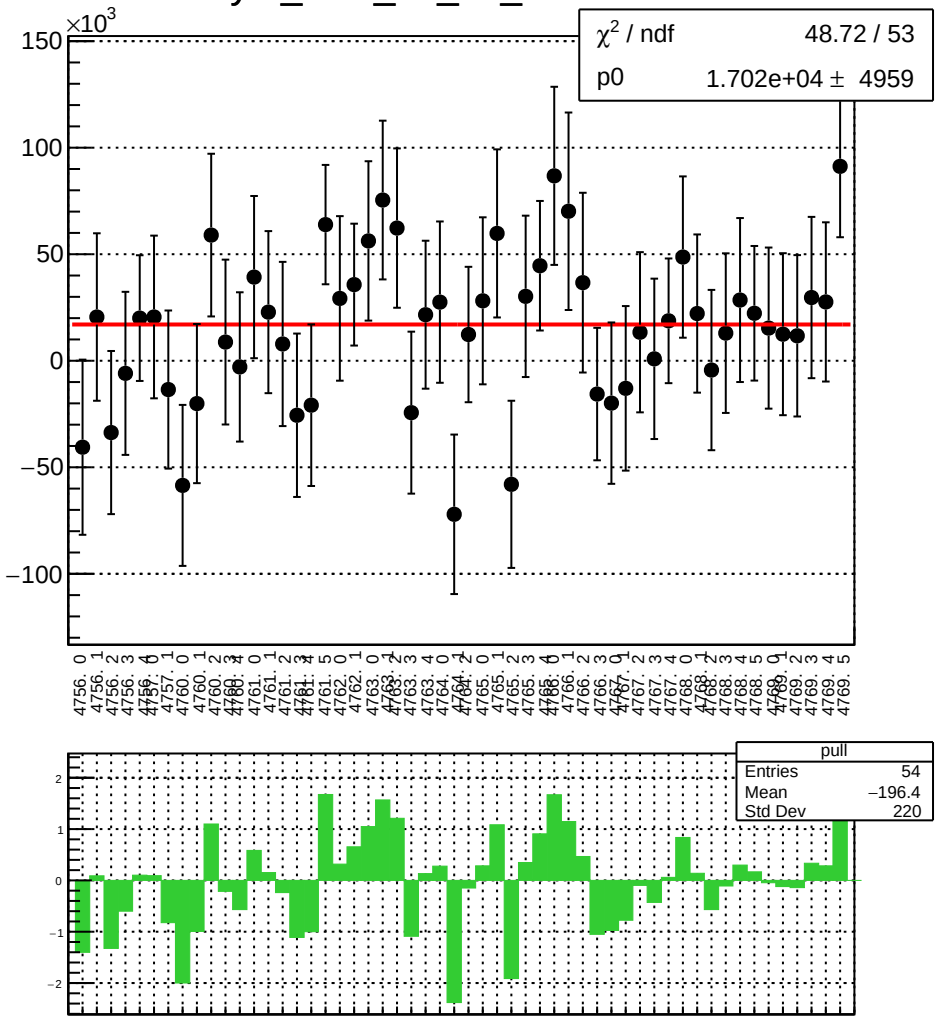

pull1D
Entries 54
Mean 0.01834
Std Dev 0.9155
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

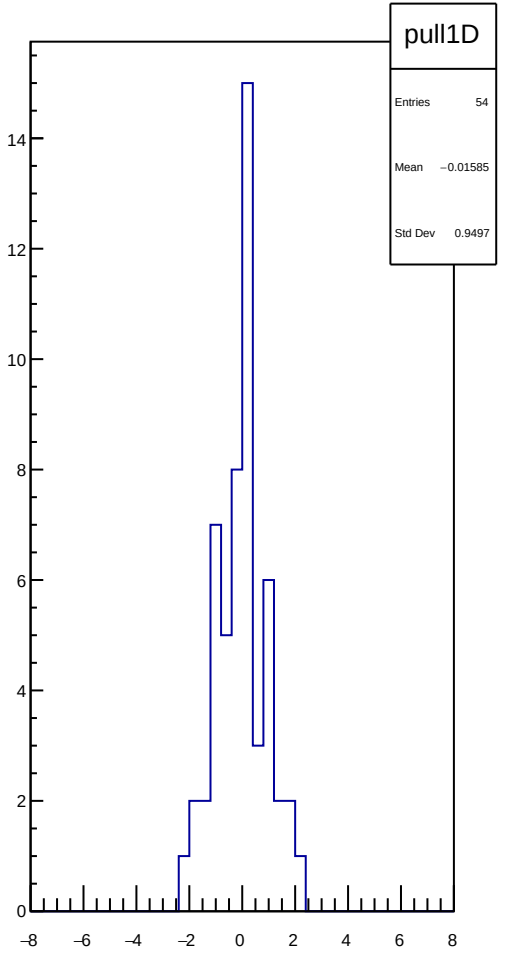

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1956 / 53
p0 1432 ± 1.378
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

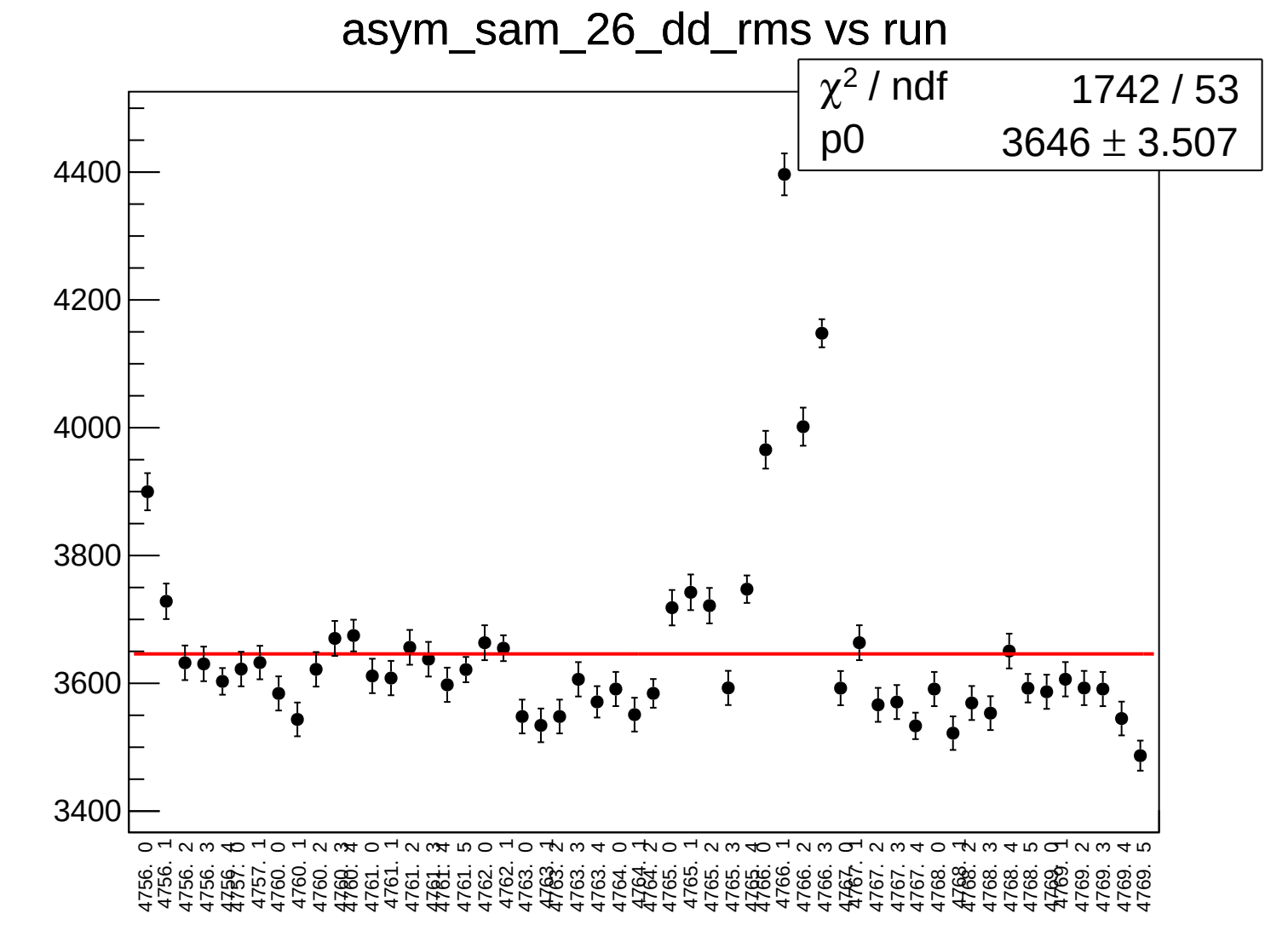

asym_sam_15_dd_mean vs run
χ² / ndf 44.5 / 53
p0 −1892 ± 481.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean 97.53
Std Dev 98.89
2
1
0
−1
−2

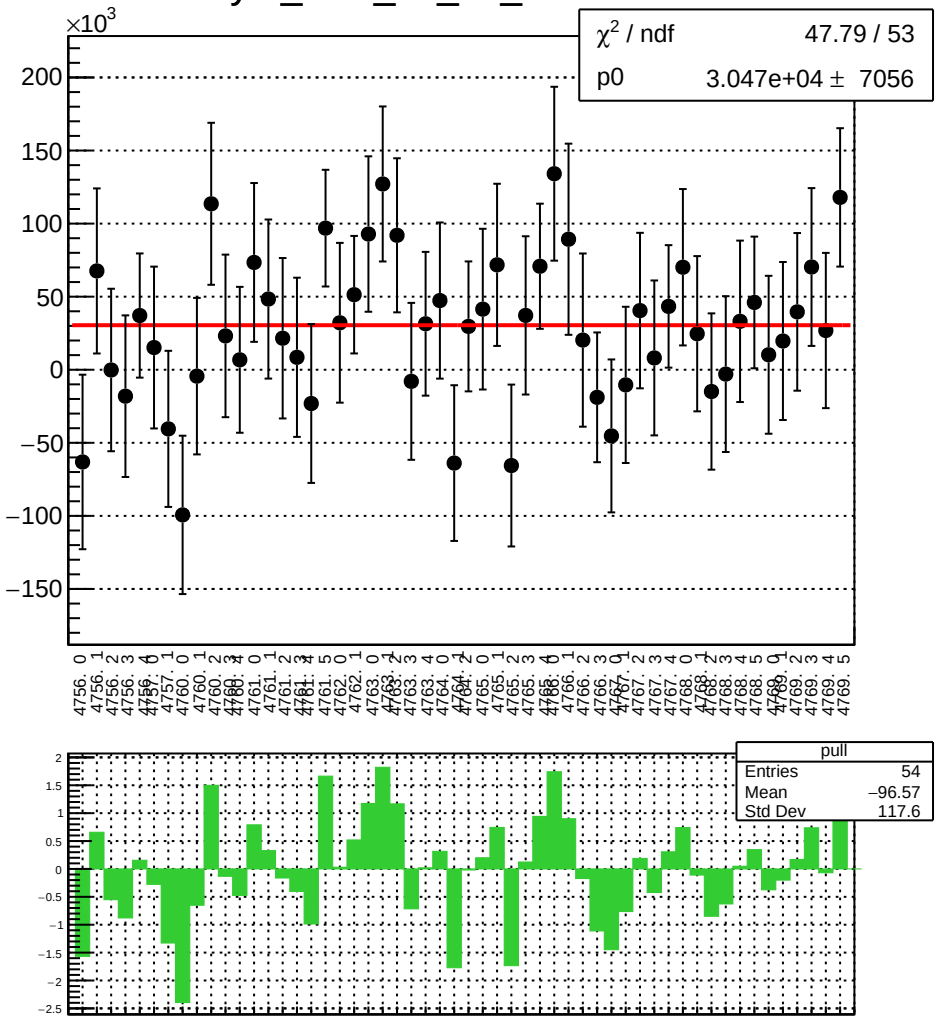

pull1D
Entries 54
Mean 0.01163
Std Dev 0.9077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

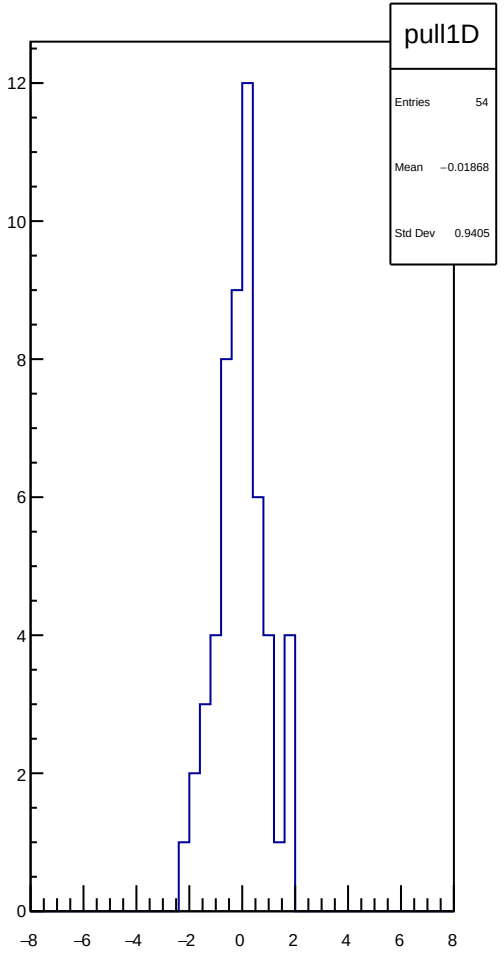

asym_sam_15_dd_rms vs run
χ² / ndf 2015 / 53
p0 353.8 ± 0.3403
400
390
380
370
360
350
340
330
320
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

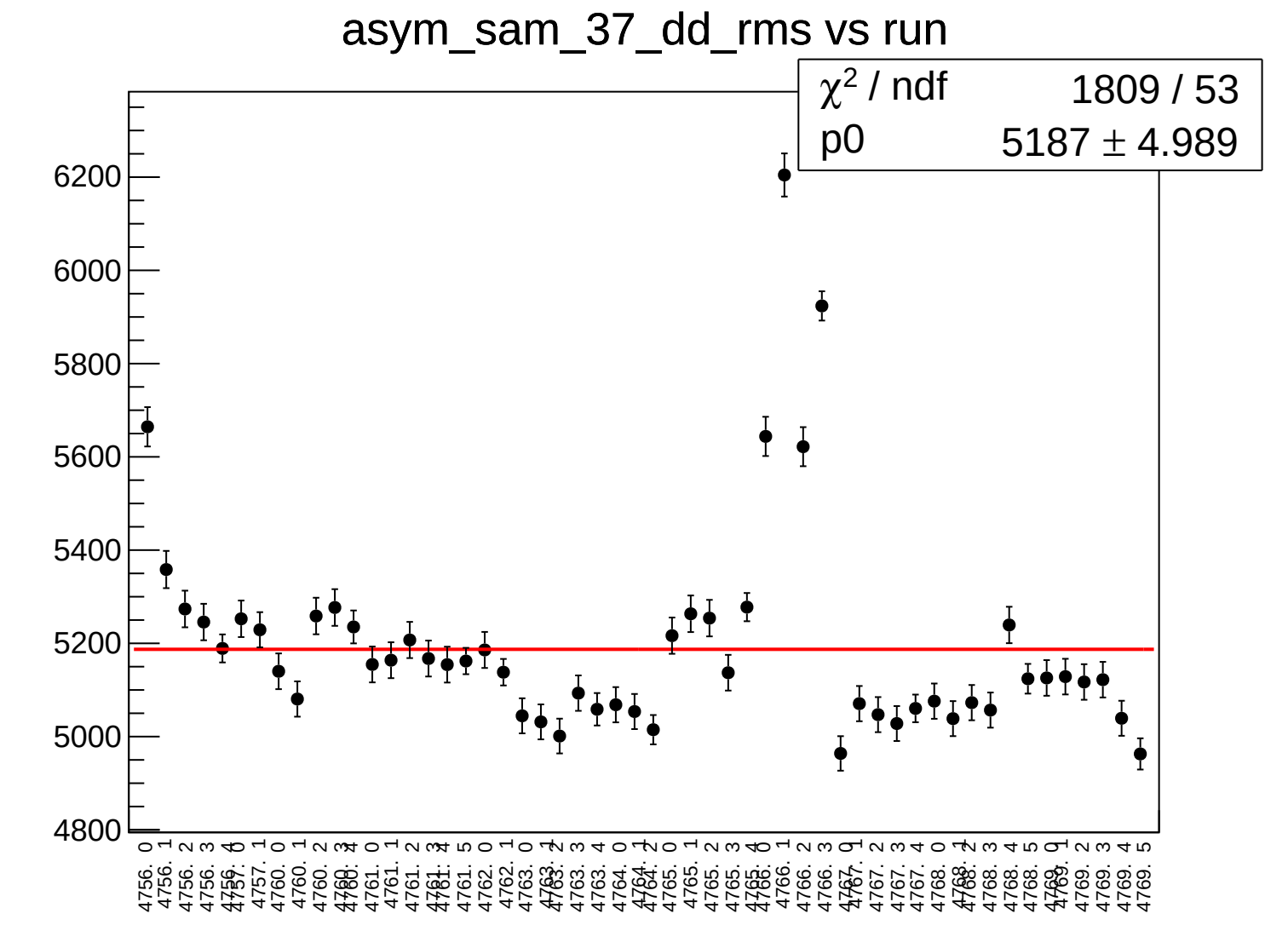

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 48.72 / 53
p0 1.702e+04 ± 4959
pull
Entries 54
Mean −196.4
Std Dev 220

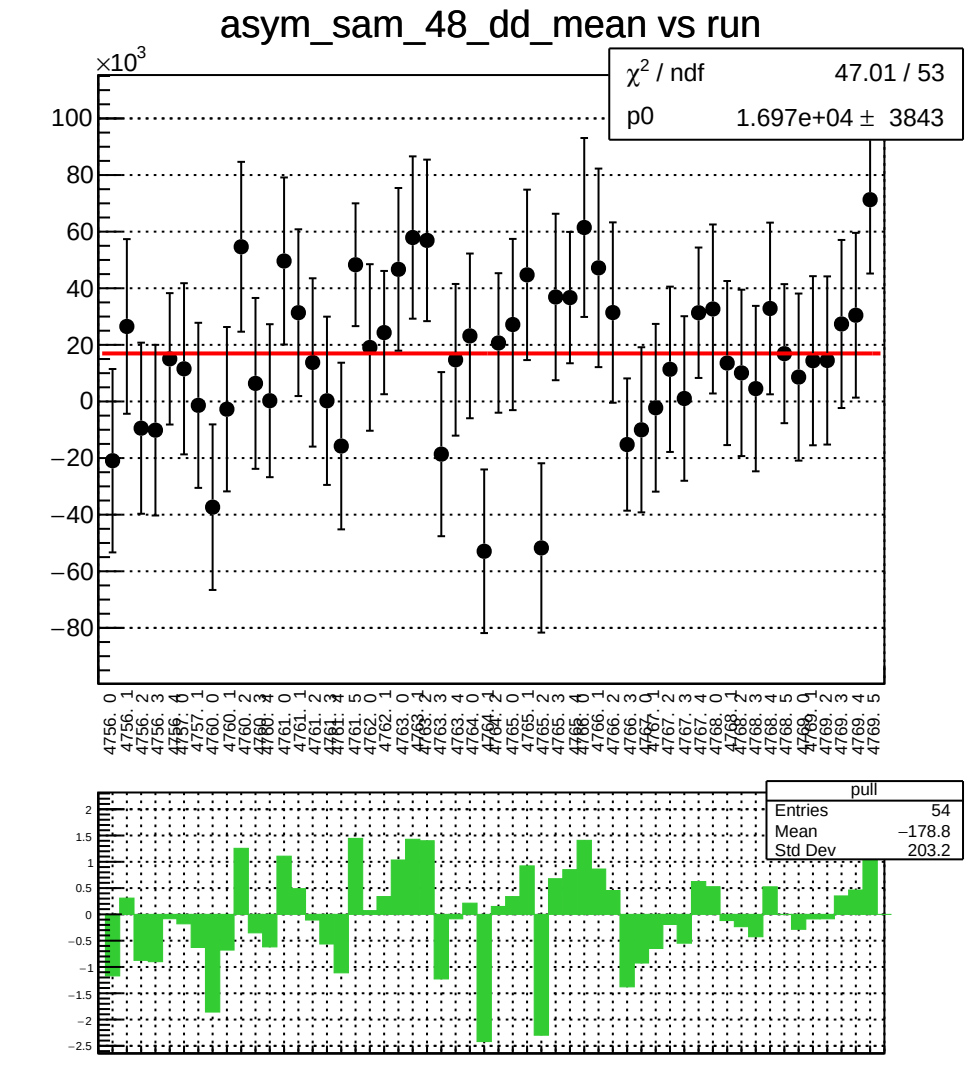

pull1D
Entries 54
Mean −0.01585
Std Dev 0.9497

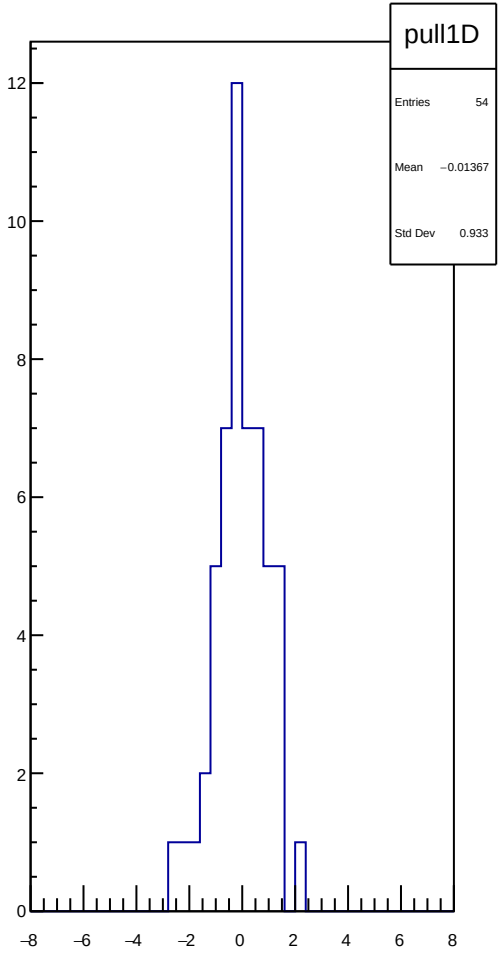

asym_sam_26_dd_rms vs run
χ² / ndf 1742 / 53
p0 3646 ± 3.507
4400
4200
4000
3800
3600
3400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

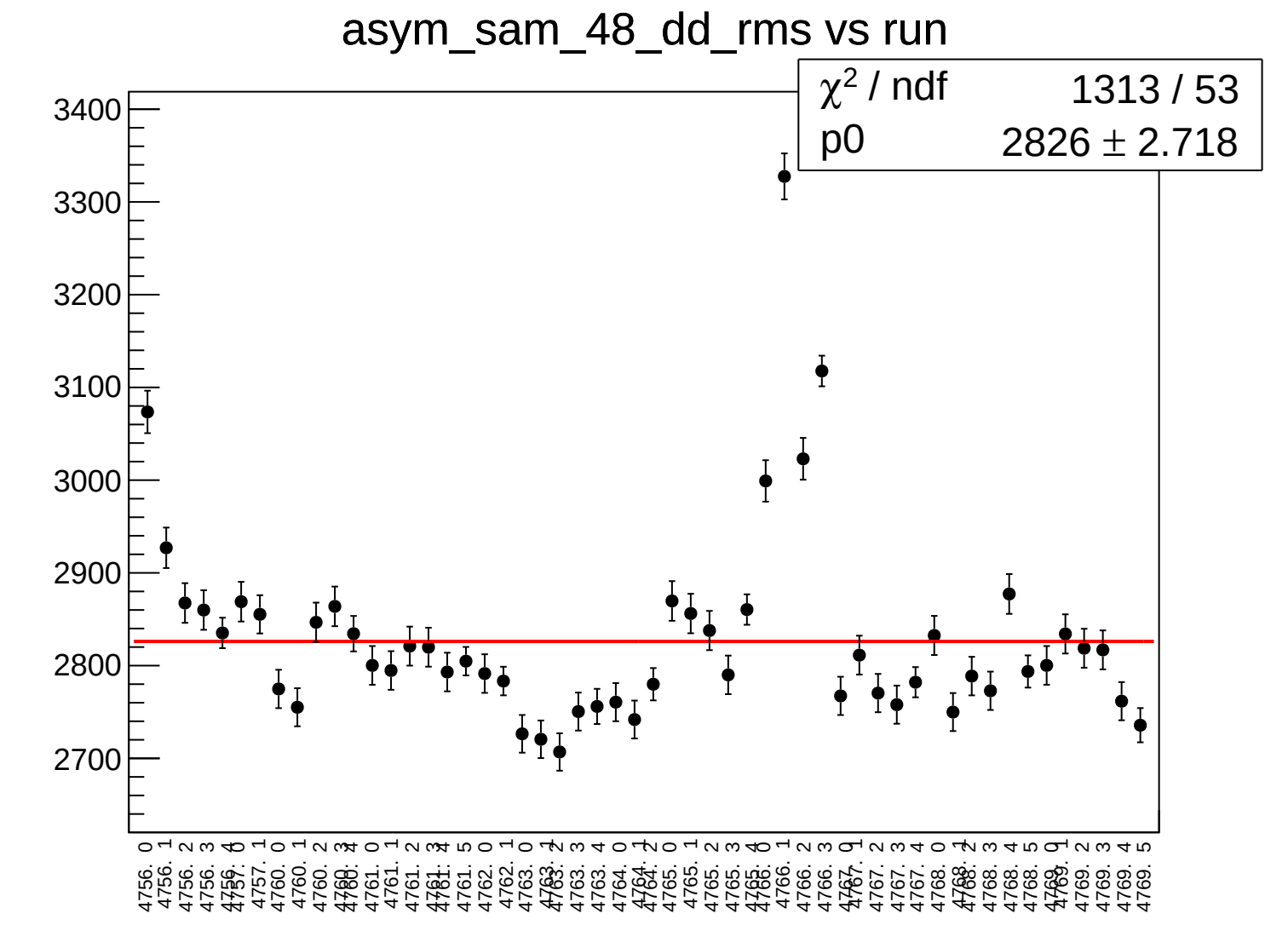

asym_sam_37_dd_mean vs run
×10^3
χ² / ndf 47.79 / 53
p0 3.047e+04 ± 7056
pull
Entries 54
Mean −96.57
Std Dev 117.6

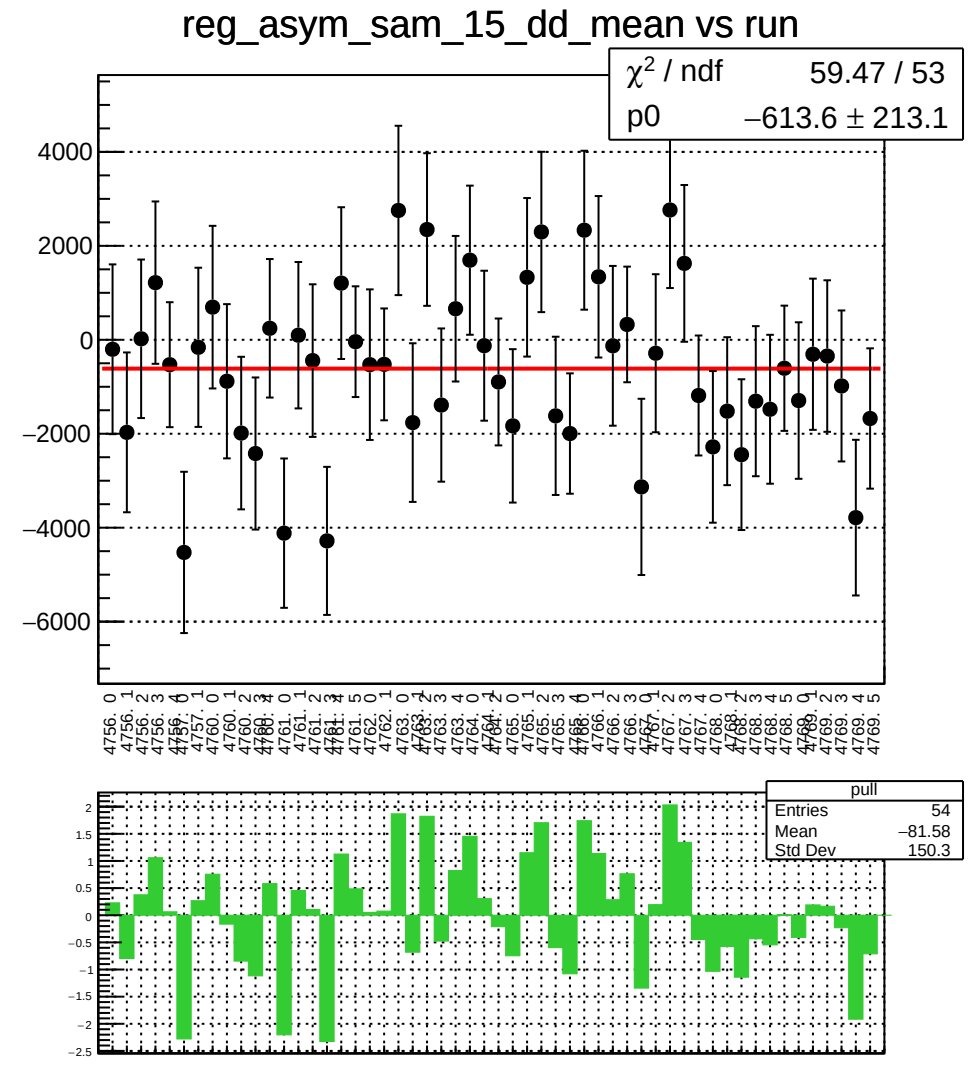

pull1D
Entries 54
Mean −0.01868
Std Dev 0.9405

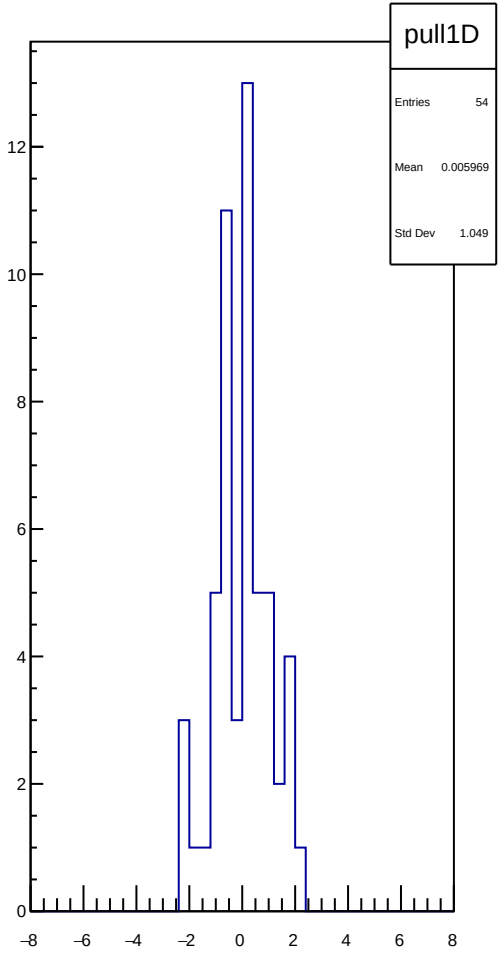

asym_sam_37_dd_rms vs run
χ² / ndf 1809 / 53
p0 5187 ± 4.989
6200
6000
5800
5600
5400
5200
5000
4800
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

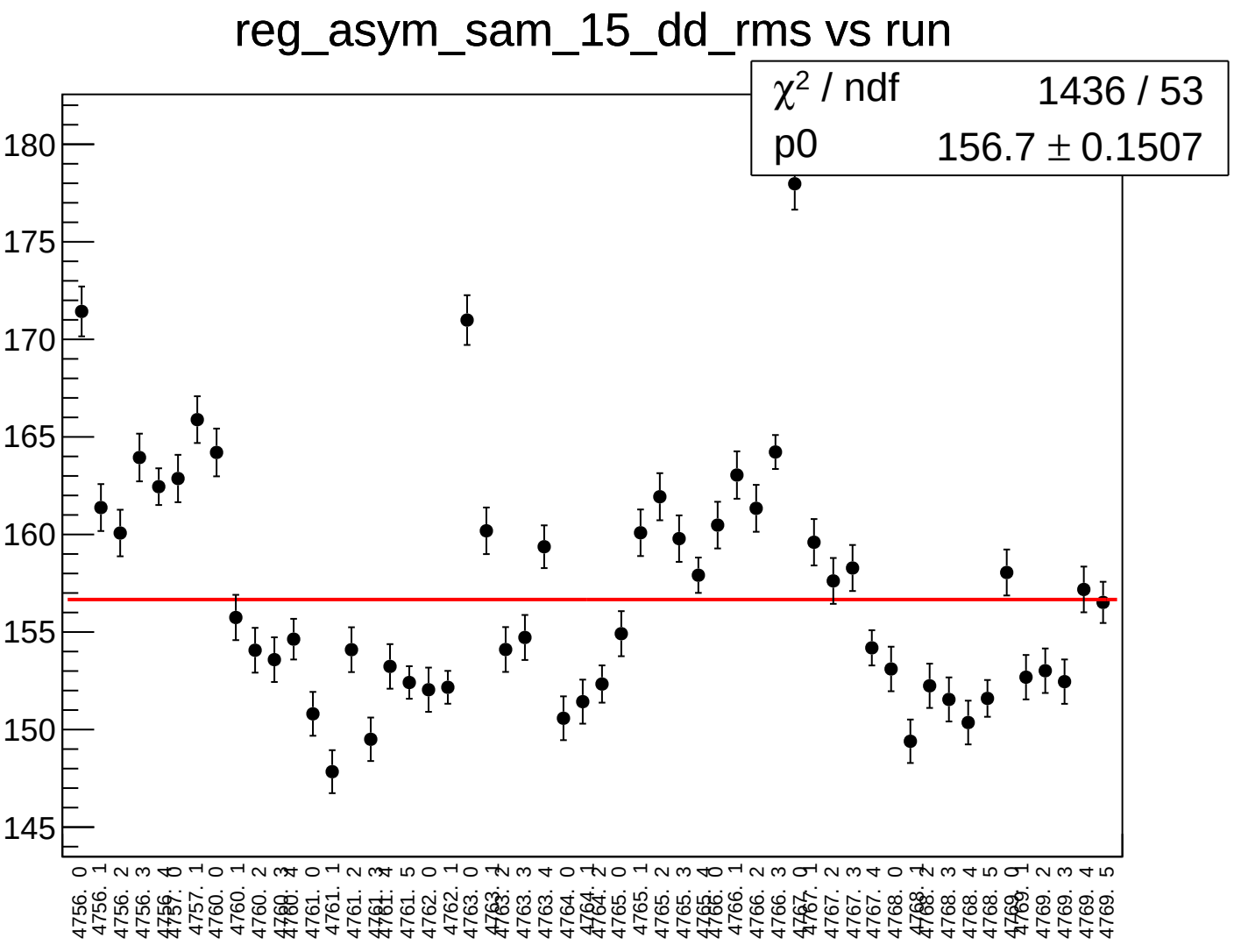

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 47.01 / 53
p0 1.697e+04 ± 3843
pull
Entries 54
Mean −178.8
Std Dev 203.2

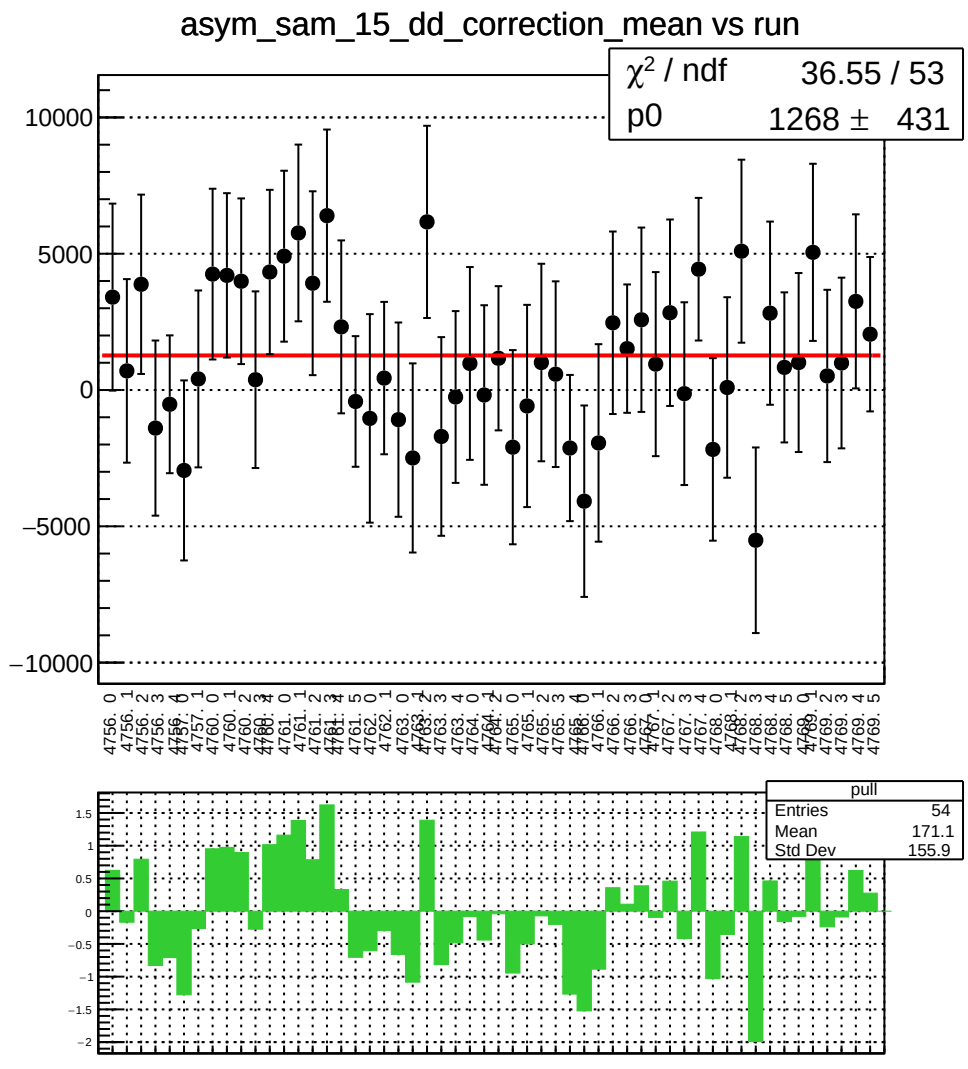

pull1D
Entries 54
Mean −0.01367
Std Dev 0.933

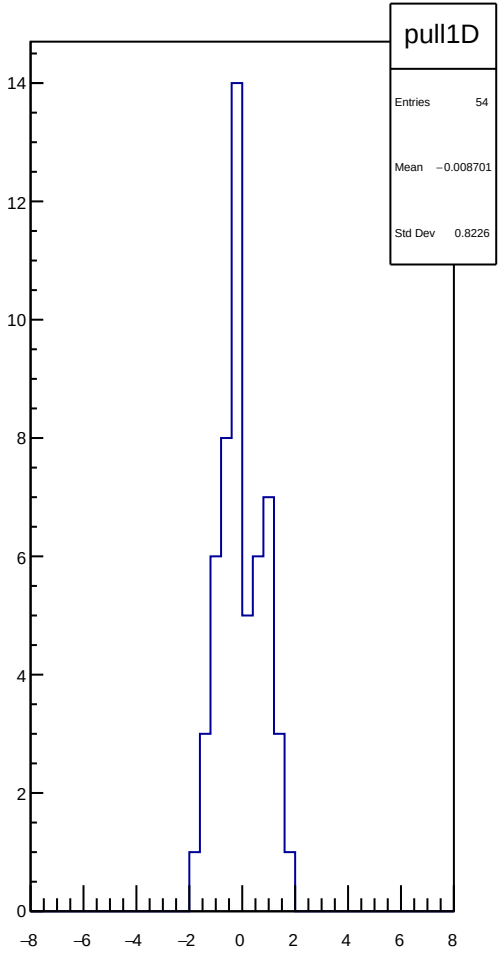

asym_sam_48_dd_rms vs run
χ² / ndf 1313 / 53
p0 2826 ± 2.718
3400
3300
3200
3100
3000
2900
2800
2700
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

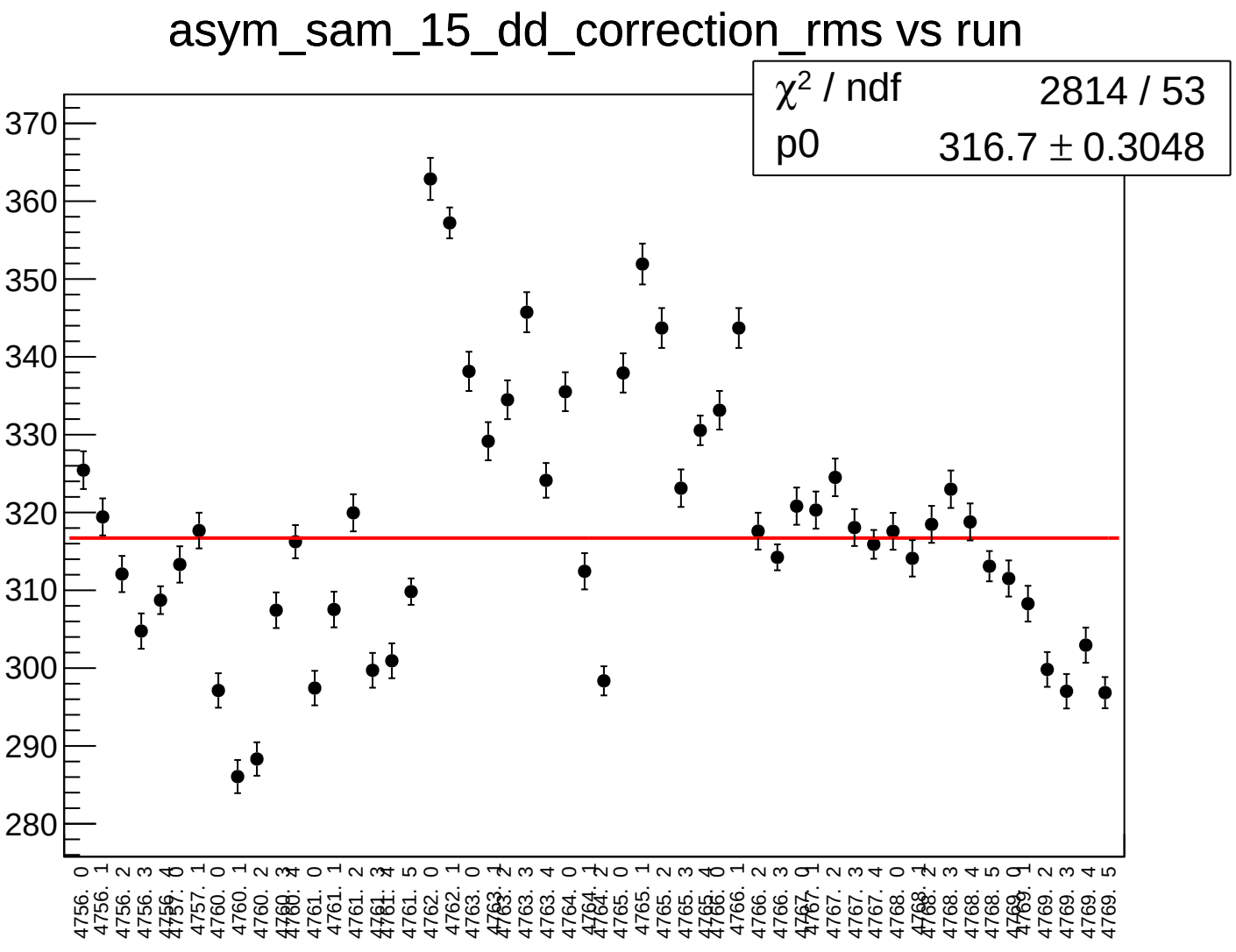

reg_asym_sam_15_dd_mean vs run
χ² / ndf 59.47 / 53
p0 −613.6 ± 213.1
pull
Entries 54
Mean −81.58
Std Dev 150.3

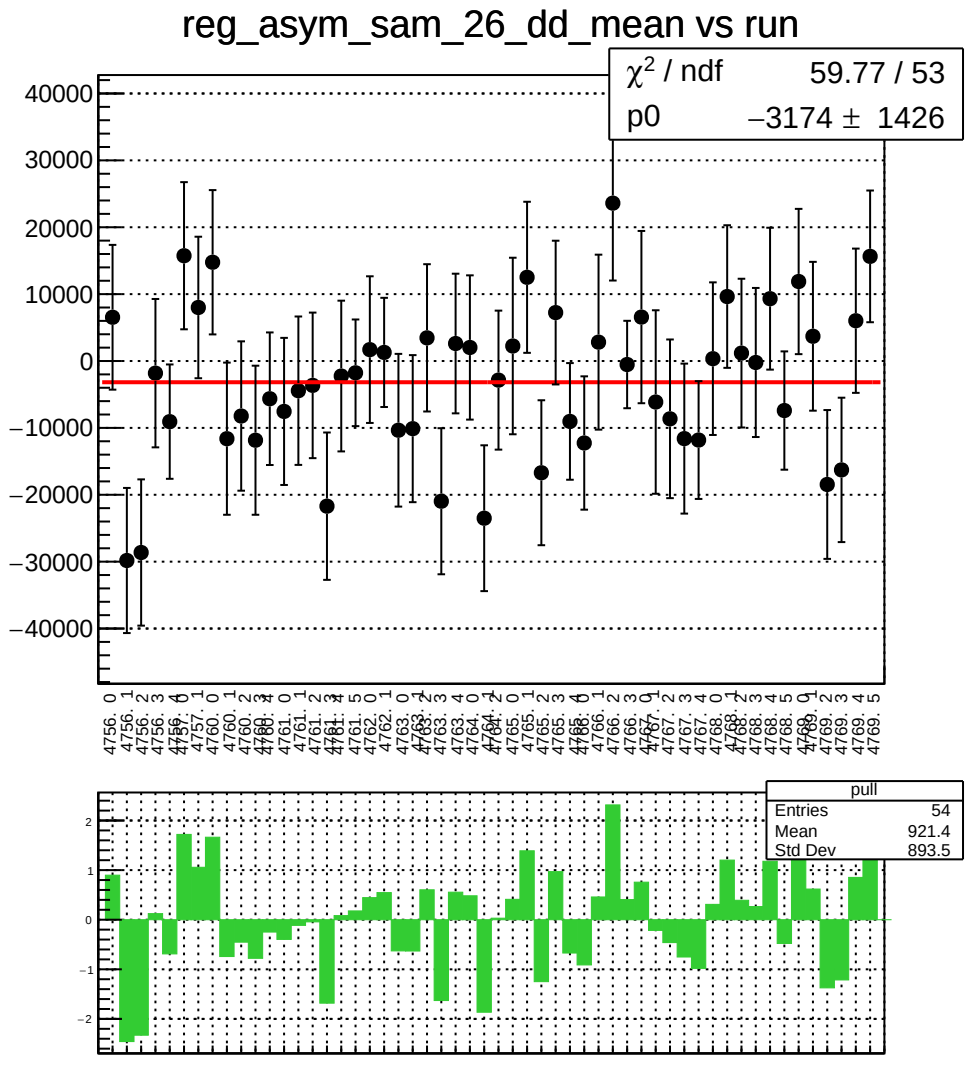

pull1D
Entries 54
Mean 0.005969
Std Dev 1.049

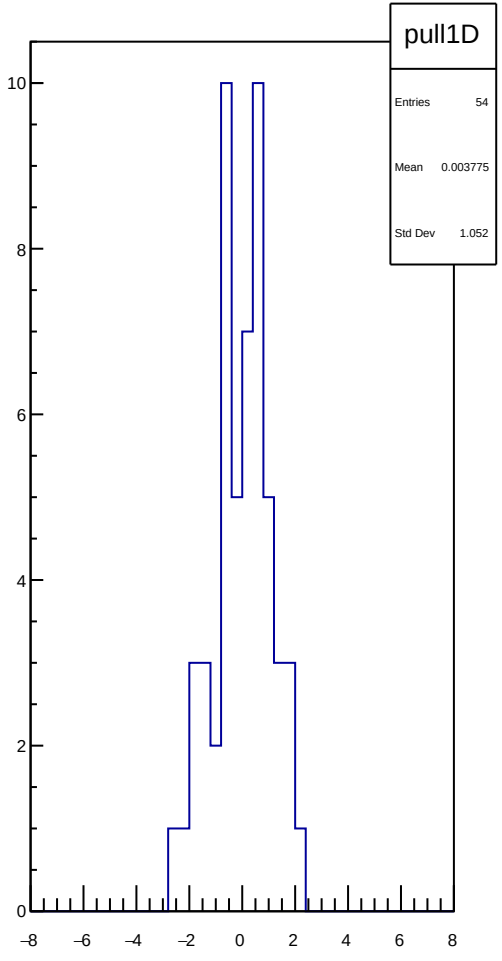

reg_asym_sam_15_dd_rms vs run
χ² / ndf 1436 / 53
p0 156.7 ± 0.1507
180
175
170
165
160
155
150
145
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

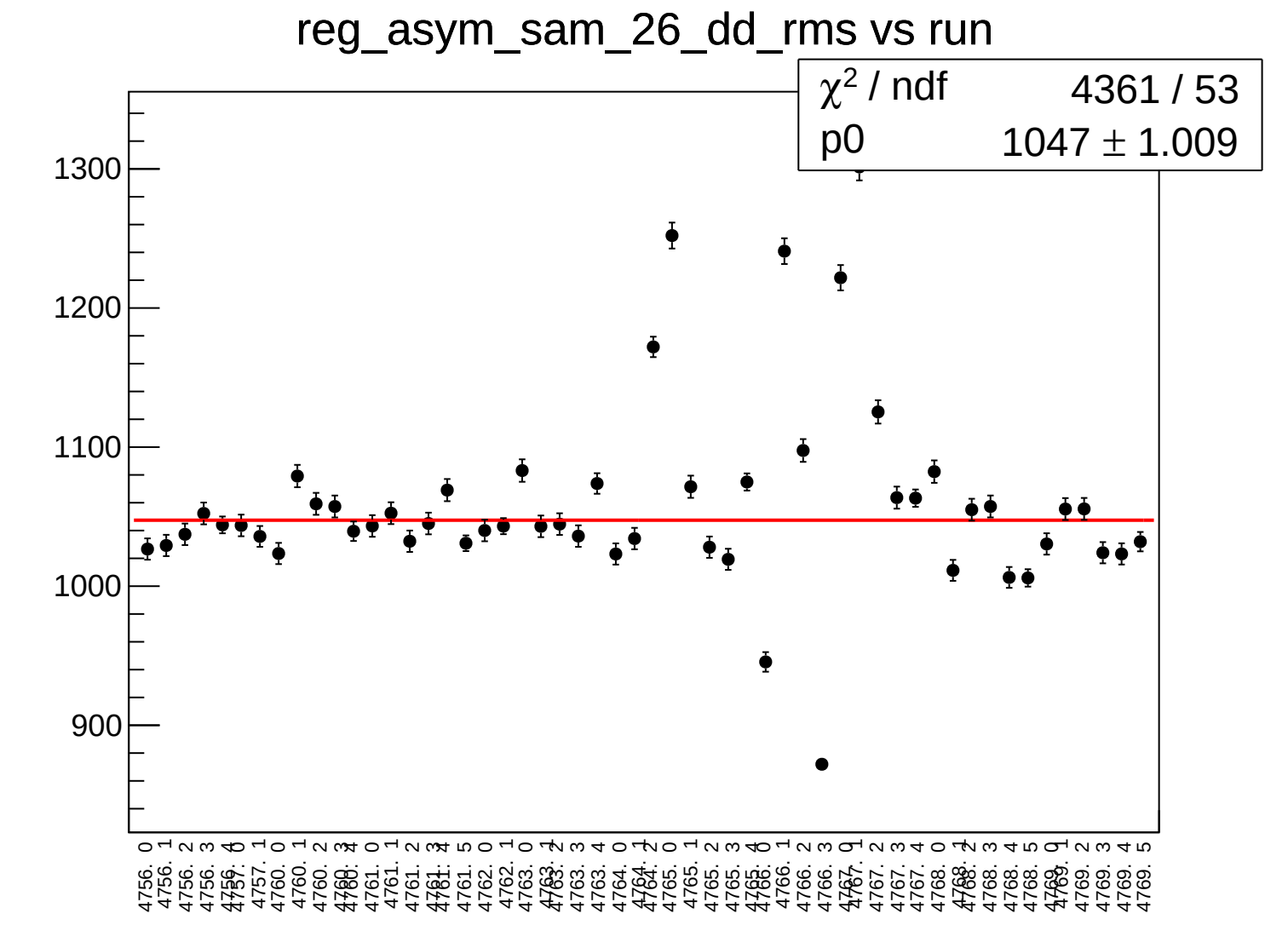

asym_sam_15_dd_correction_mean vs run
χ² / ndf 36.55 / 53
p0 1268 ± 431
10000
5000
0
−5000
−10000
pull
Entries 54
Mean 171.1
Std Dev 155.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2

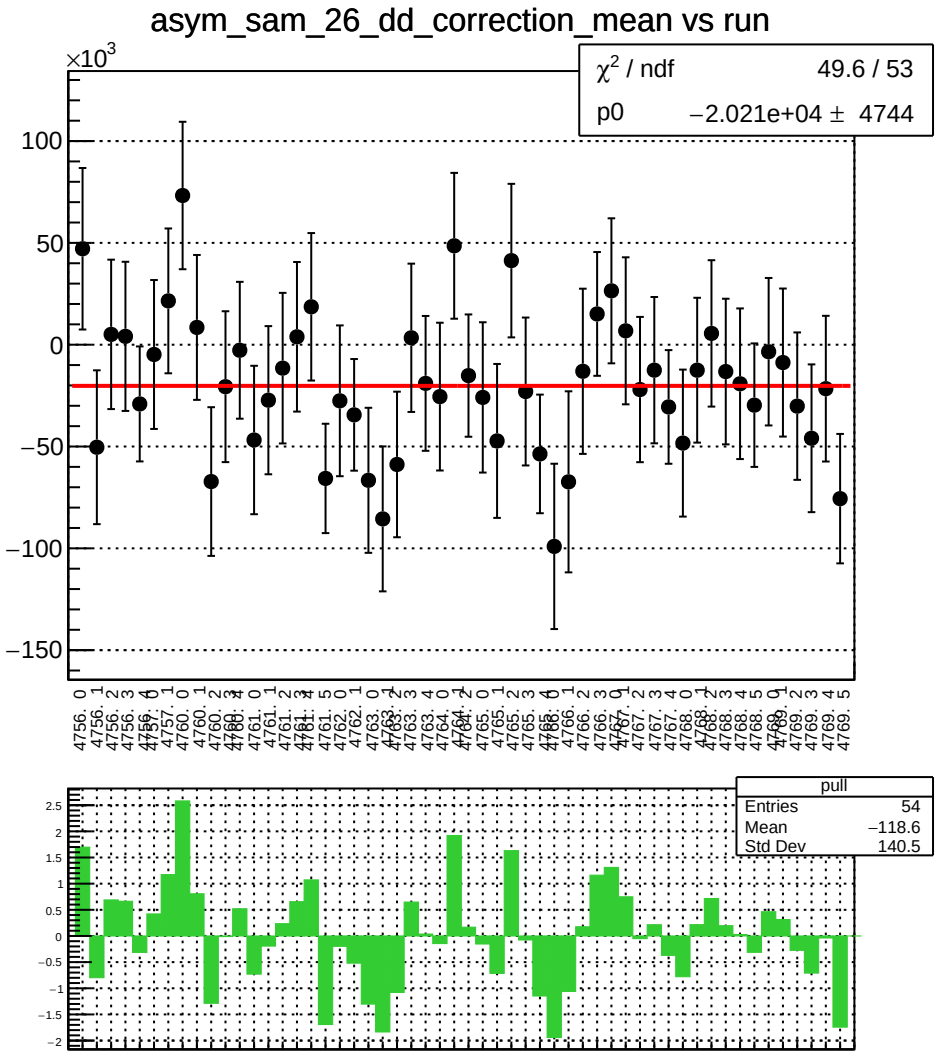

pull1D
Entries 54
Mean −0.008701
Std Dev 0.8226
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

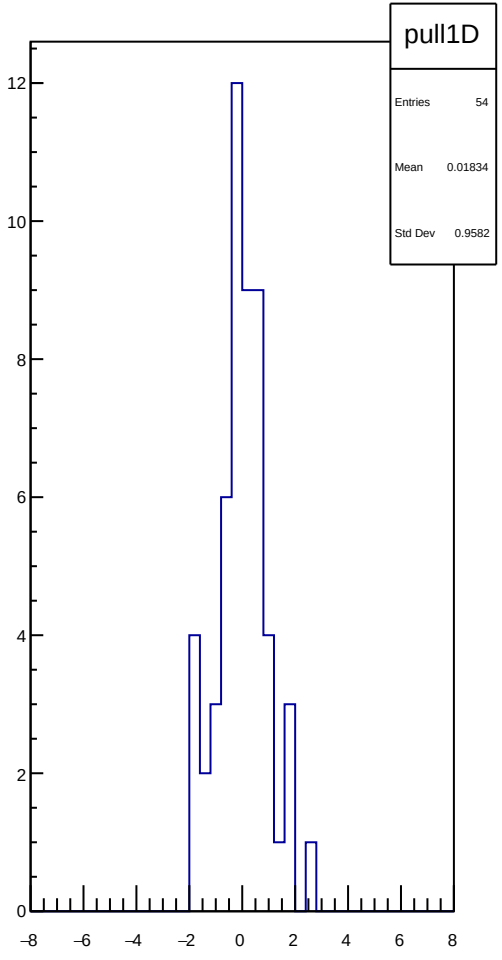

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2814 / 53
p0 316.7 ± 0.3048
370
360
350
340
330
320
310
300
290
280
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

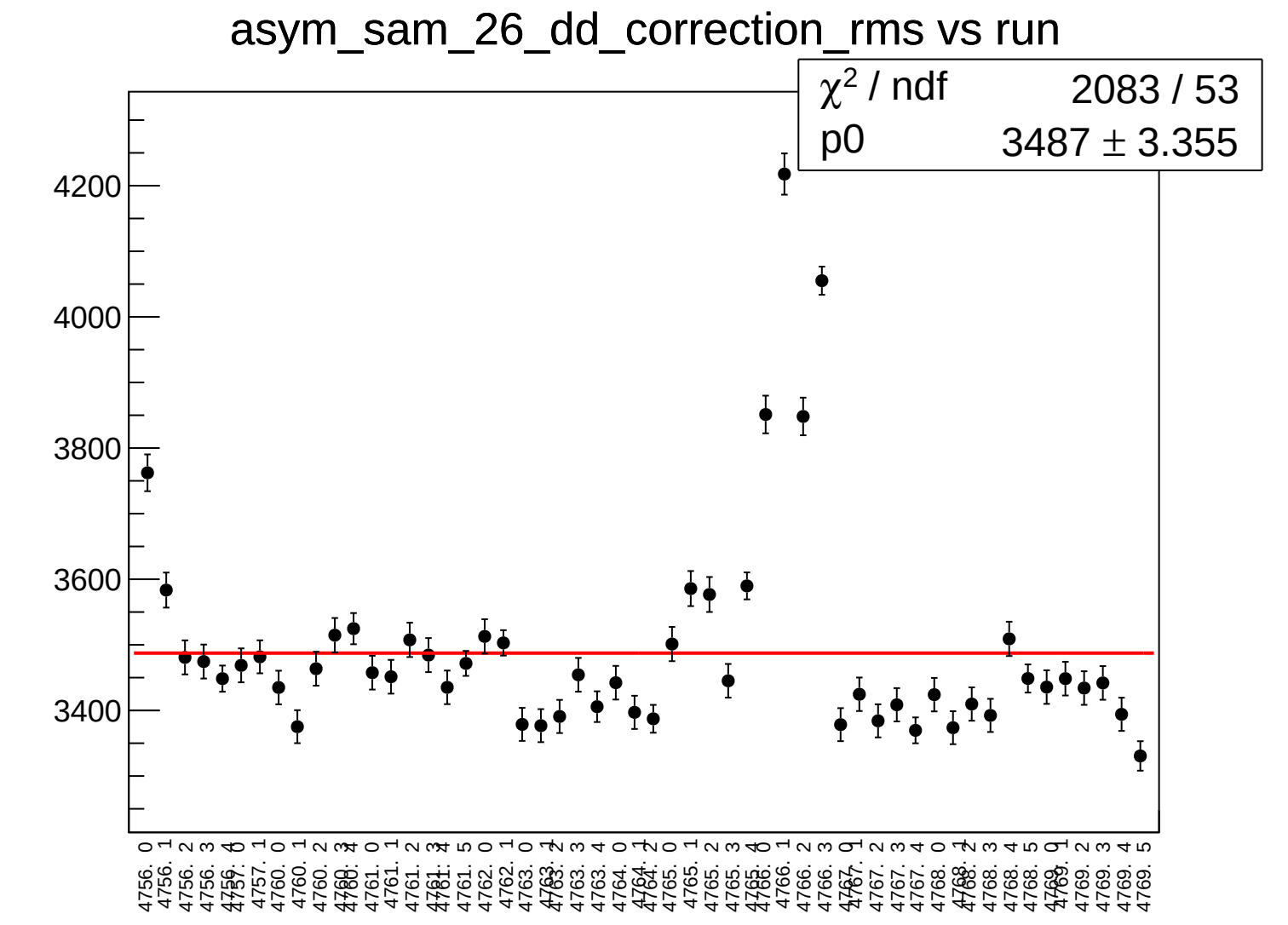

reg_asym_sam_26_dd_mean vs run
χ² / ndf 59.77 / 53
p0 −3174 ± 1426
pull
Entries 54
Mean 921.4
Std Dev 893.5

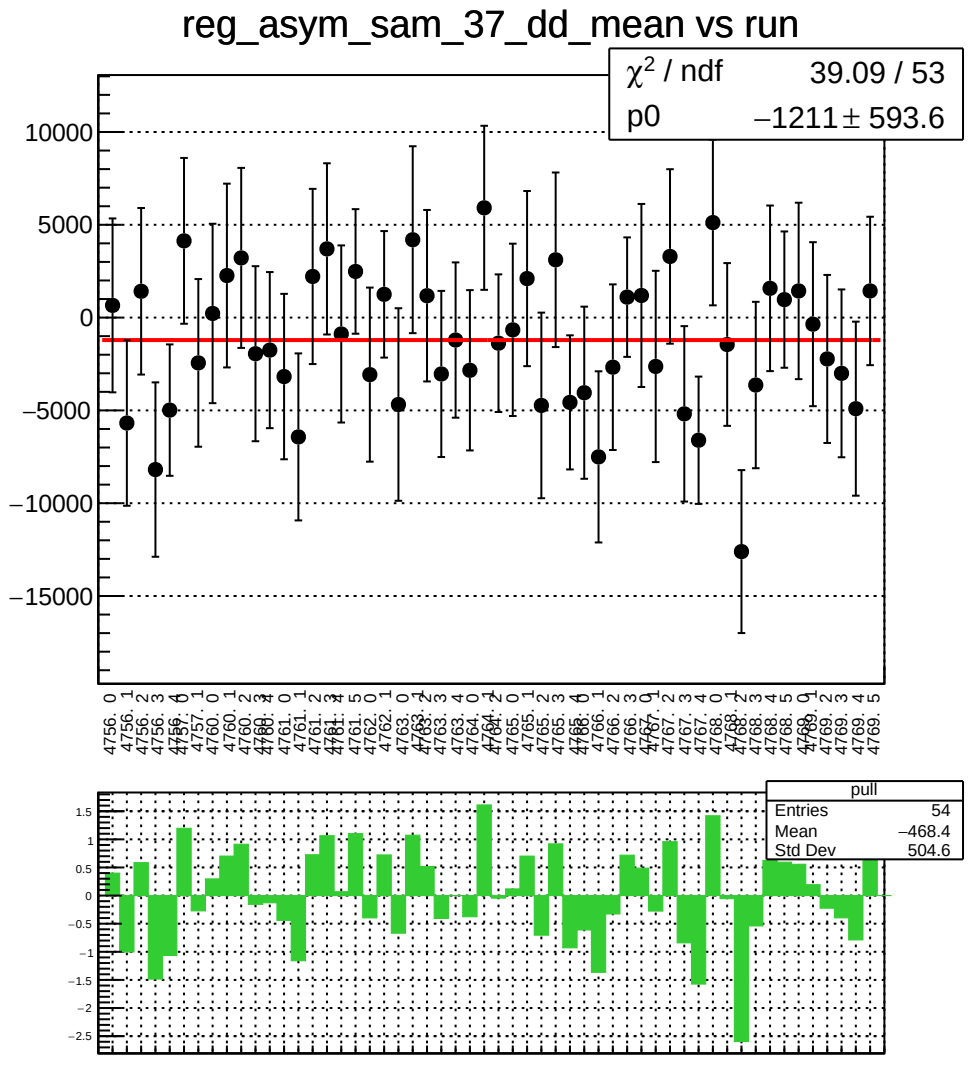

pull1D
Entries 54
Mean 0.003775
Std Dev 1.052

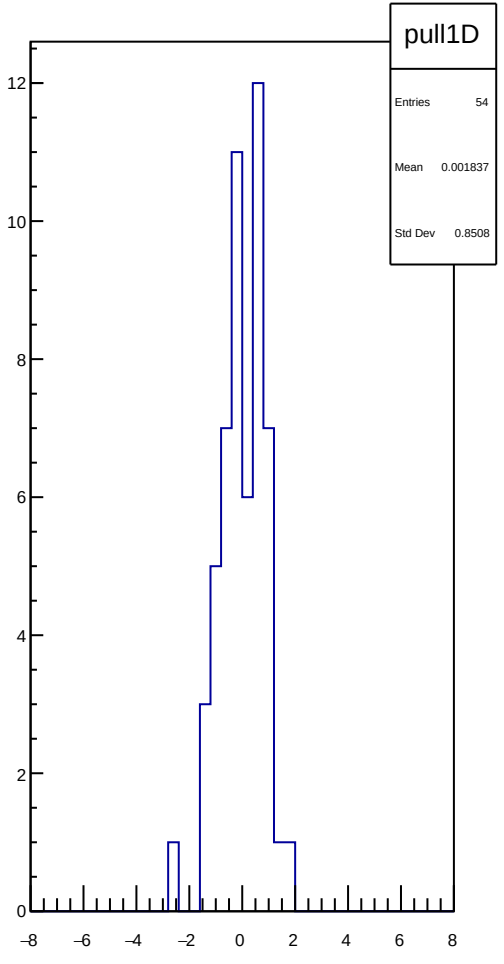

reg_asym_sam_26_dd_rms vs run
χ² / ndf 4361 / 53
p0 1047 ± 1.009
1300
1200
1100
1000
900
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

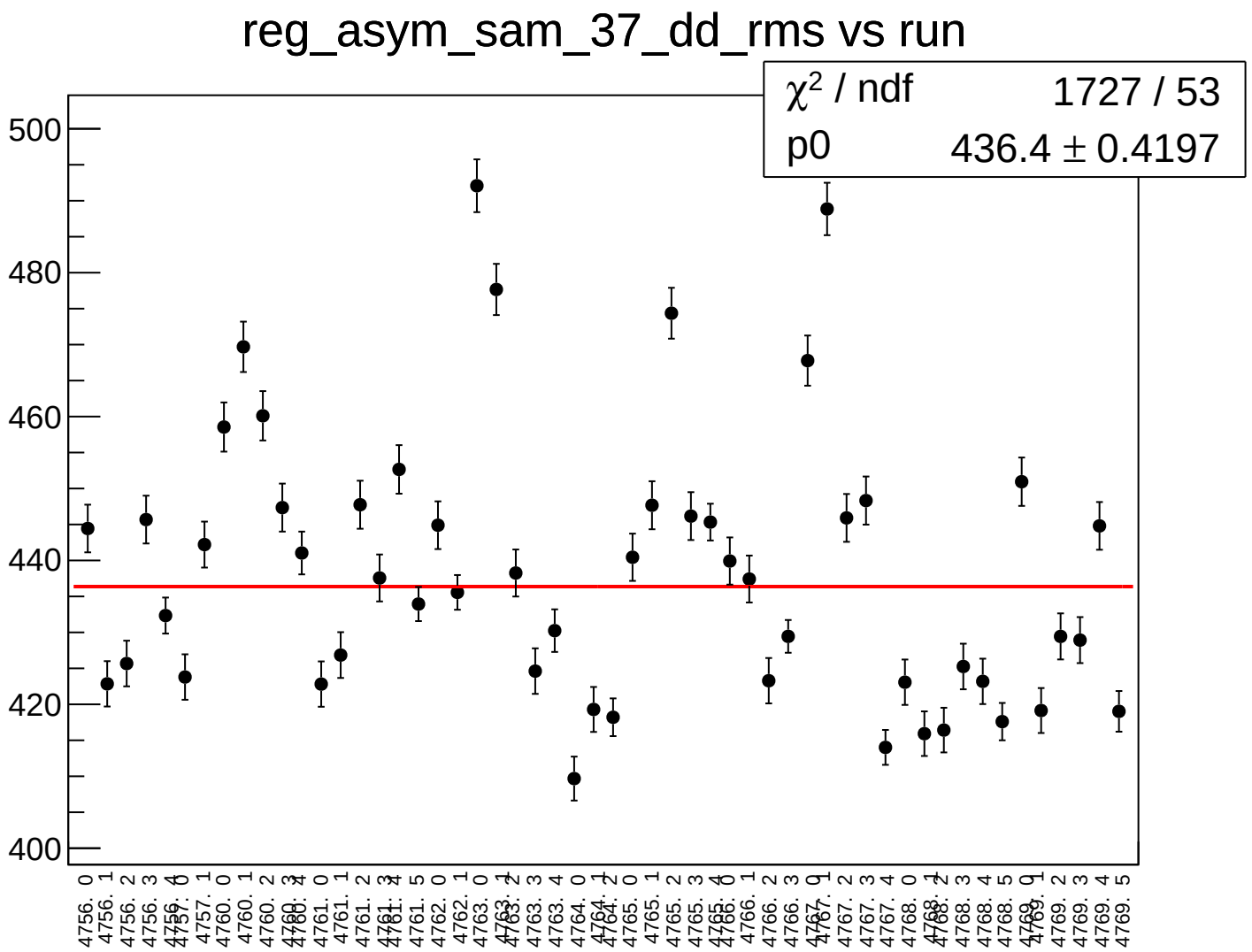

asym_sam_26_dd_correction_mean vs run
χ² / ndf 49.6 / 53
p0 −2.021e+04 ± 4744
pull
Entries 54
Mean −118.6
Std Dev 140.5

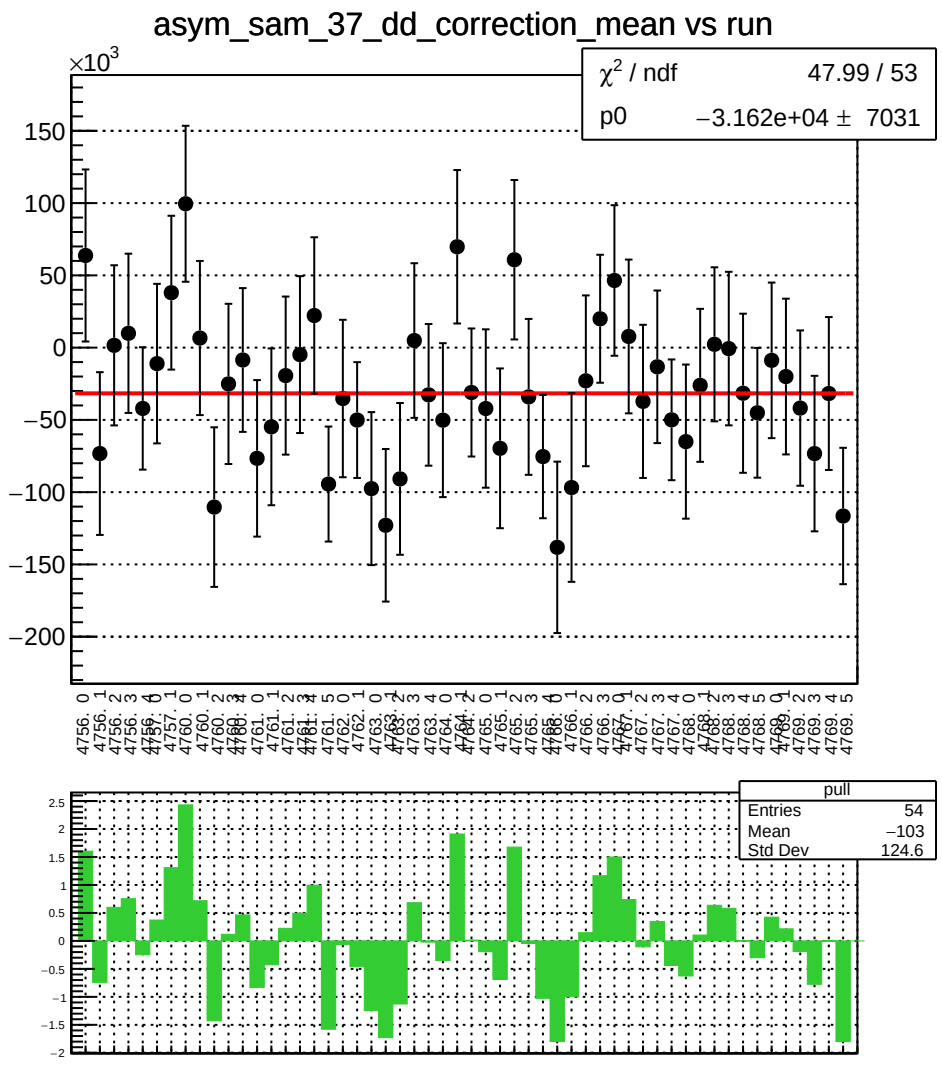

pull1D
Entries 54
Mean 0.01834
Std Dev 0.9582

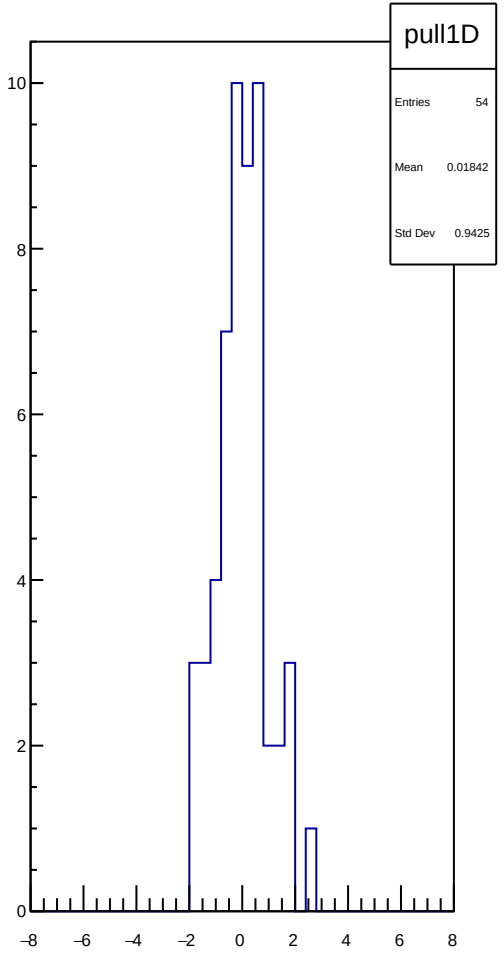

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2083 / 53
p0 3487 ± 3.355
4200
4000
3800
3600
3400

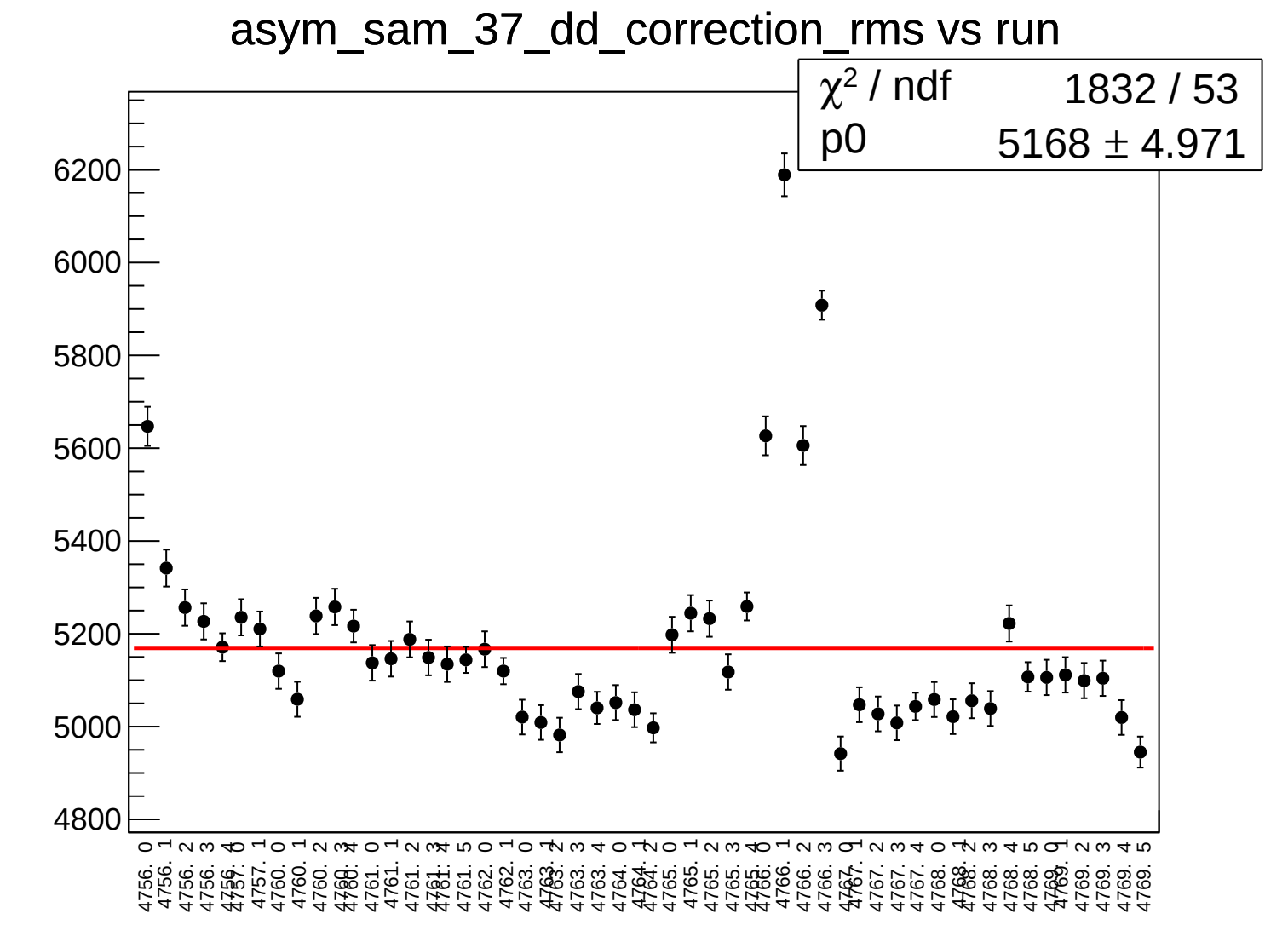

reg_asym_sam_37_dd_mean vs run
χ² / ndf 39.09 / 53
p0 −1211 ± 593.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 54
Mean −468.4
Std Dev 504.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

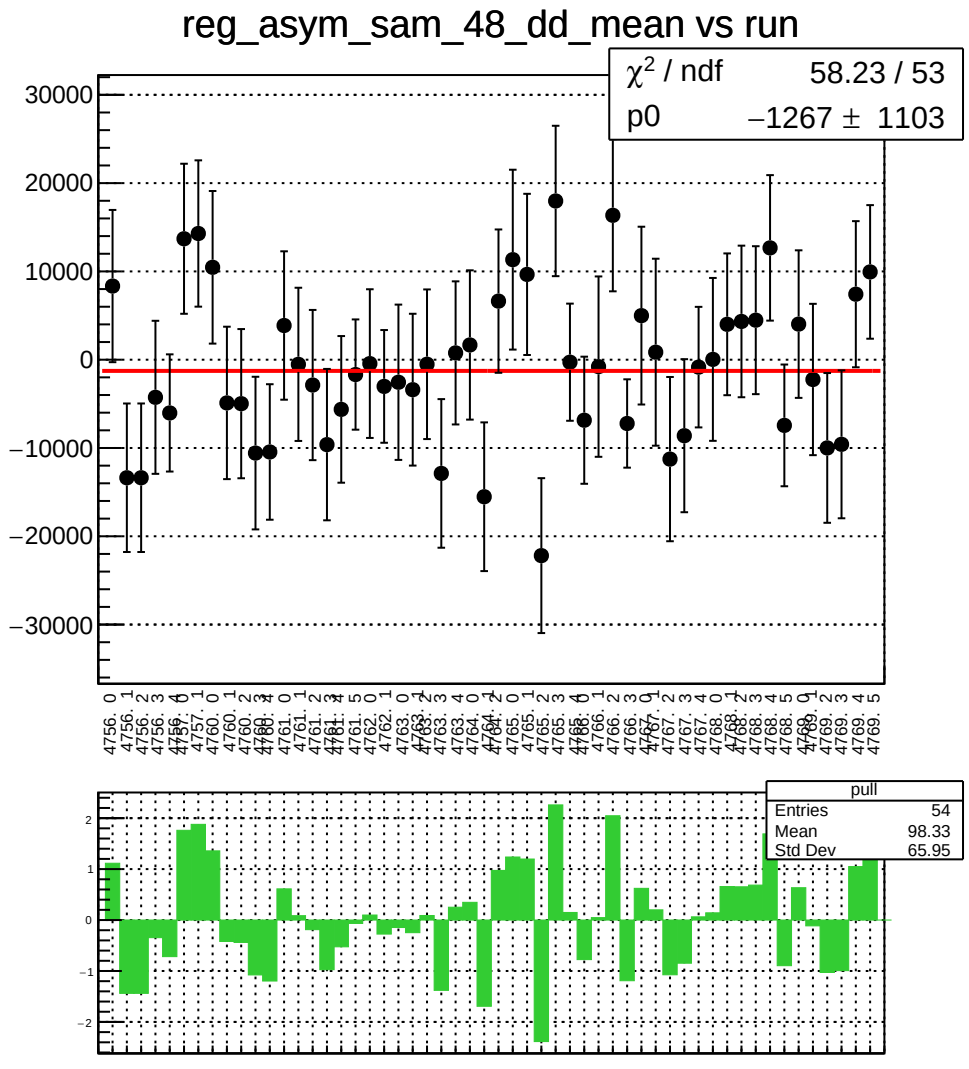

pull1D
Entries 54
Mean 0.001837
Std Dev 0.8508
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

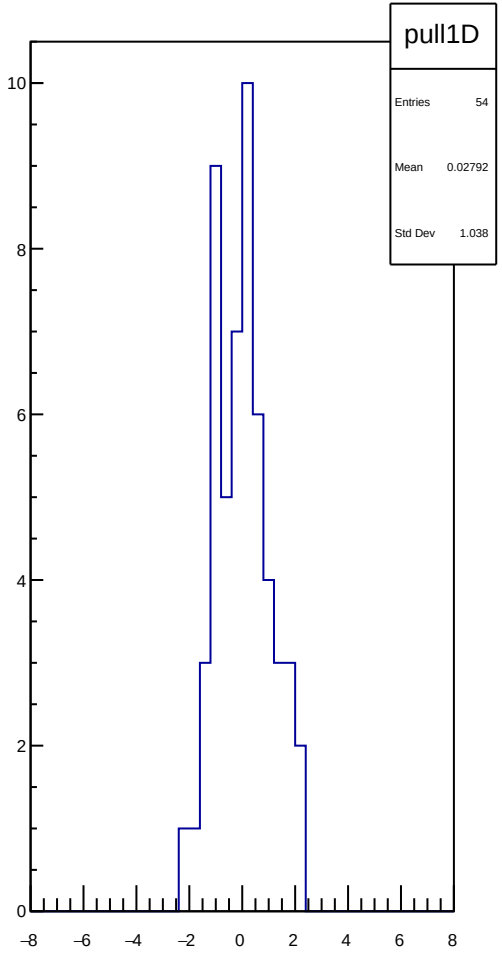

reg_asym_sam_37_dd_rms vs run
χ² / ndf 1727 / 53
p0 436.4 ± 0.4197
500
480
460
440
420
400
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

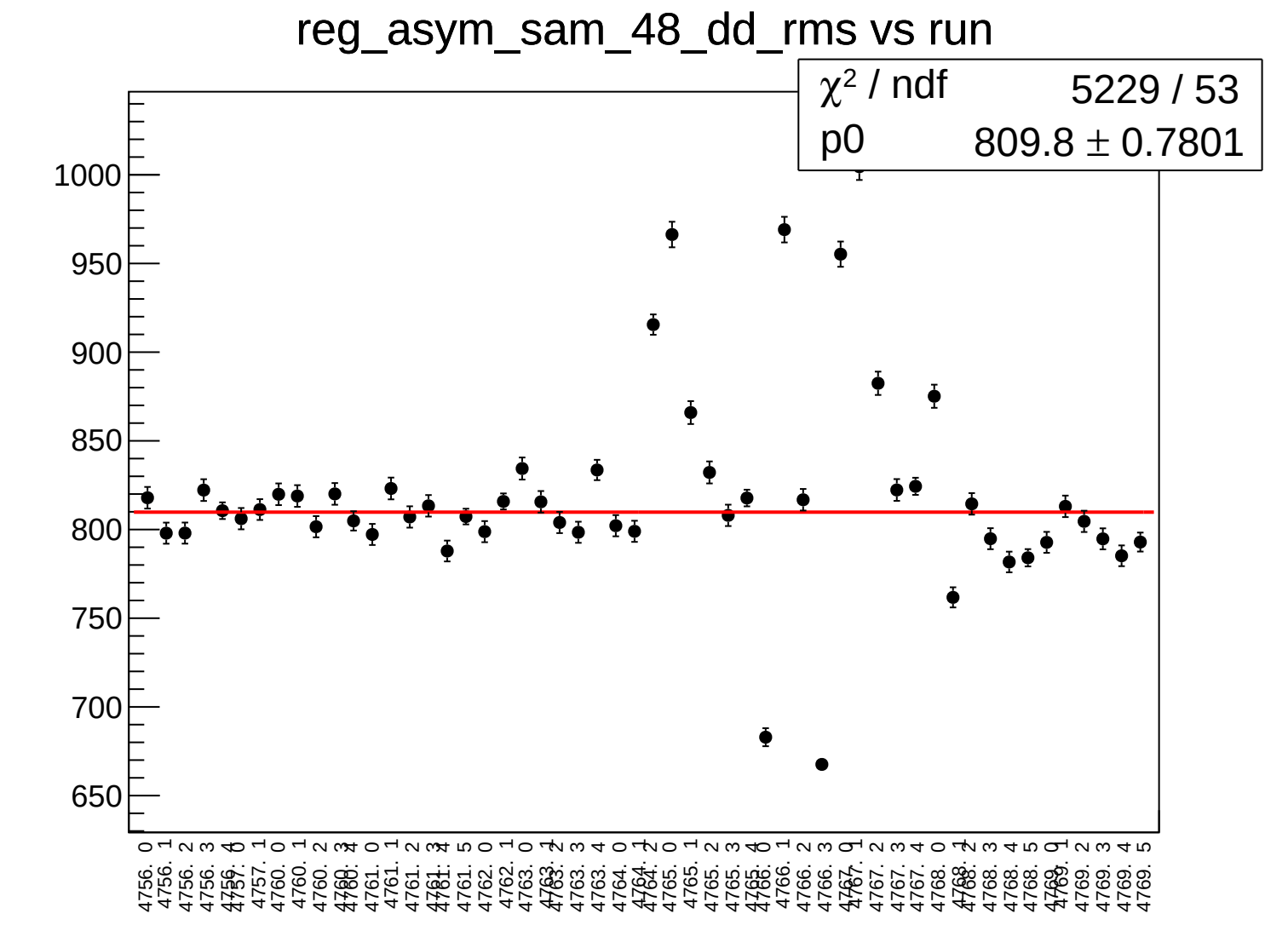

asym_sam_37_dd_correction_mean vs run
χ² / ndf 47.99 / 53
p0 −3.162e+04 ± 7031
×10³
pull
Entries 54
Mean −103
Std Dev 124.6

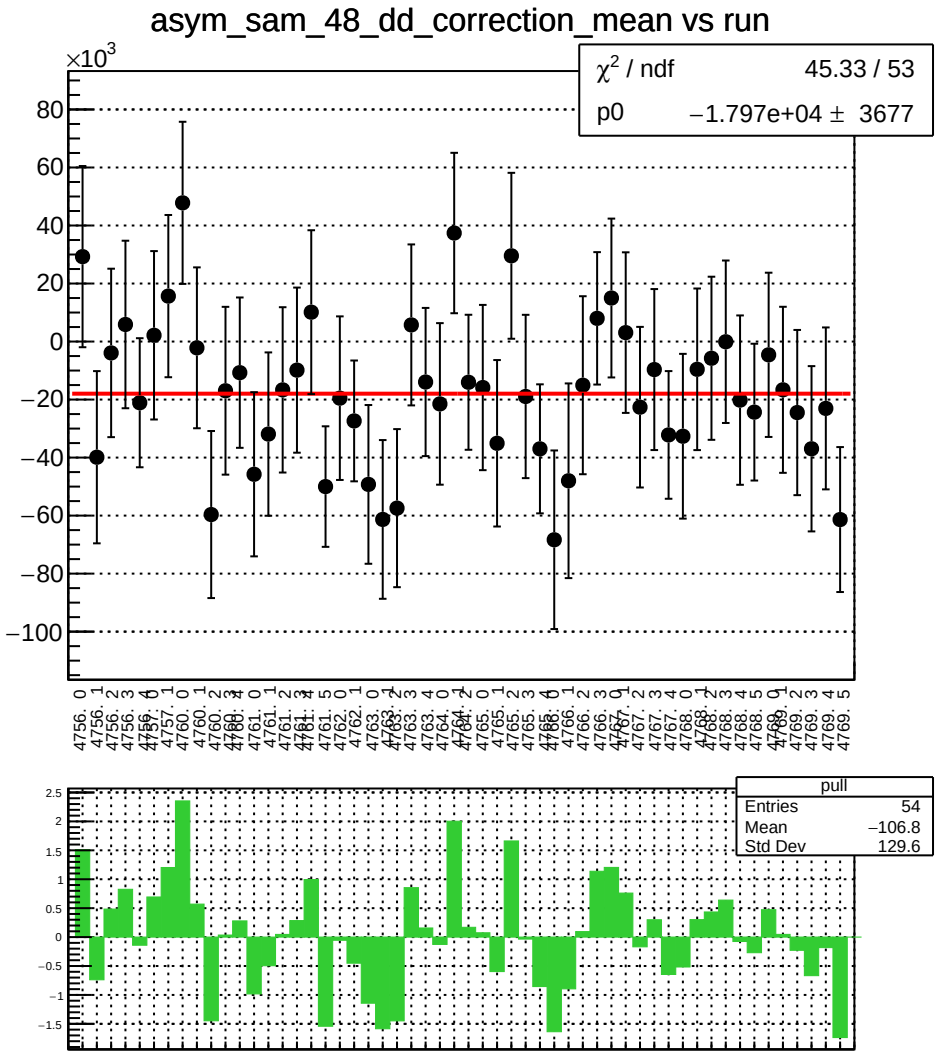

pull1D
Entries 54
Mean 0.01842
Std Dev 0.9425

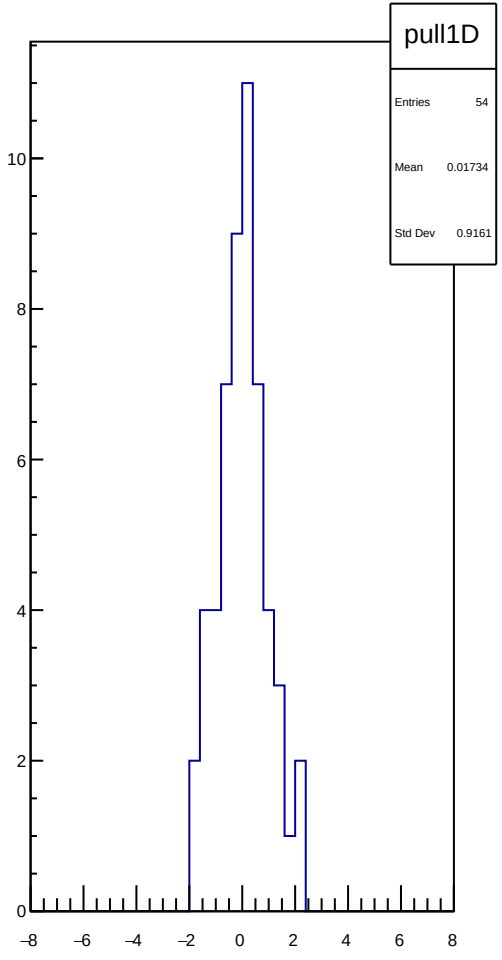

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1832 / 53
p0 5168 ± 4.971
6200
6000
5800
5600
5400
5200
5000
4800
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

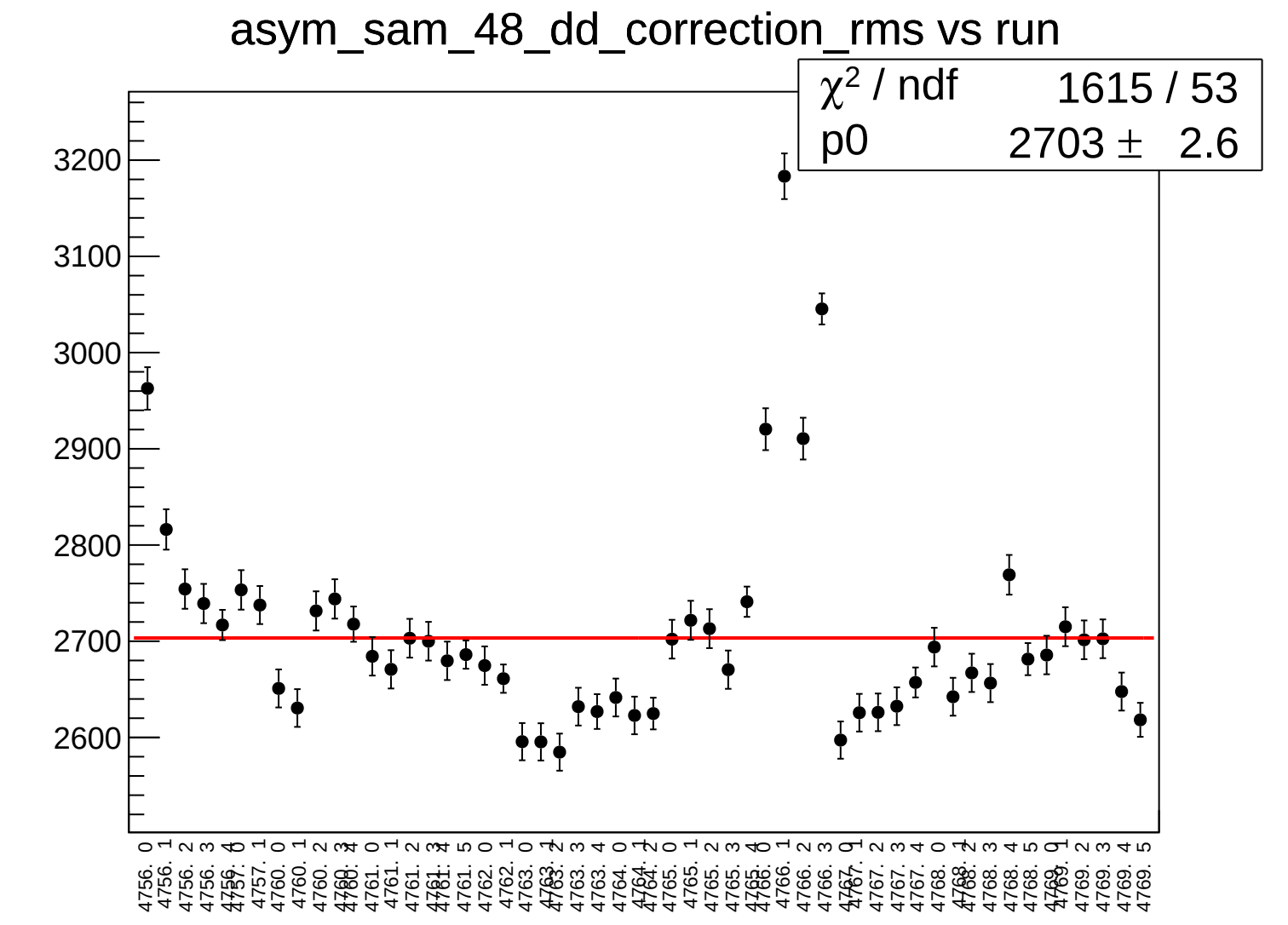

reg_asym_sam_48_dd_mean vs run
χ² / ndf 58.23 / 53
p0 −1267 ± 1103
pull
Entries 54
Mean 98.33
Std Dev 65.95

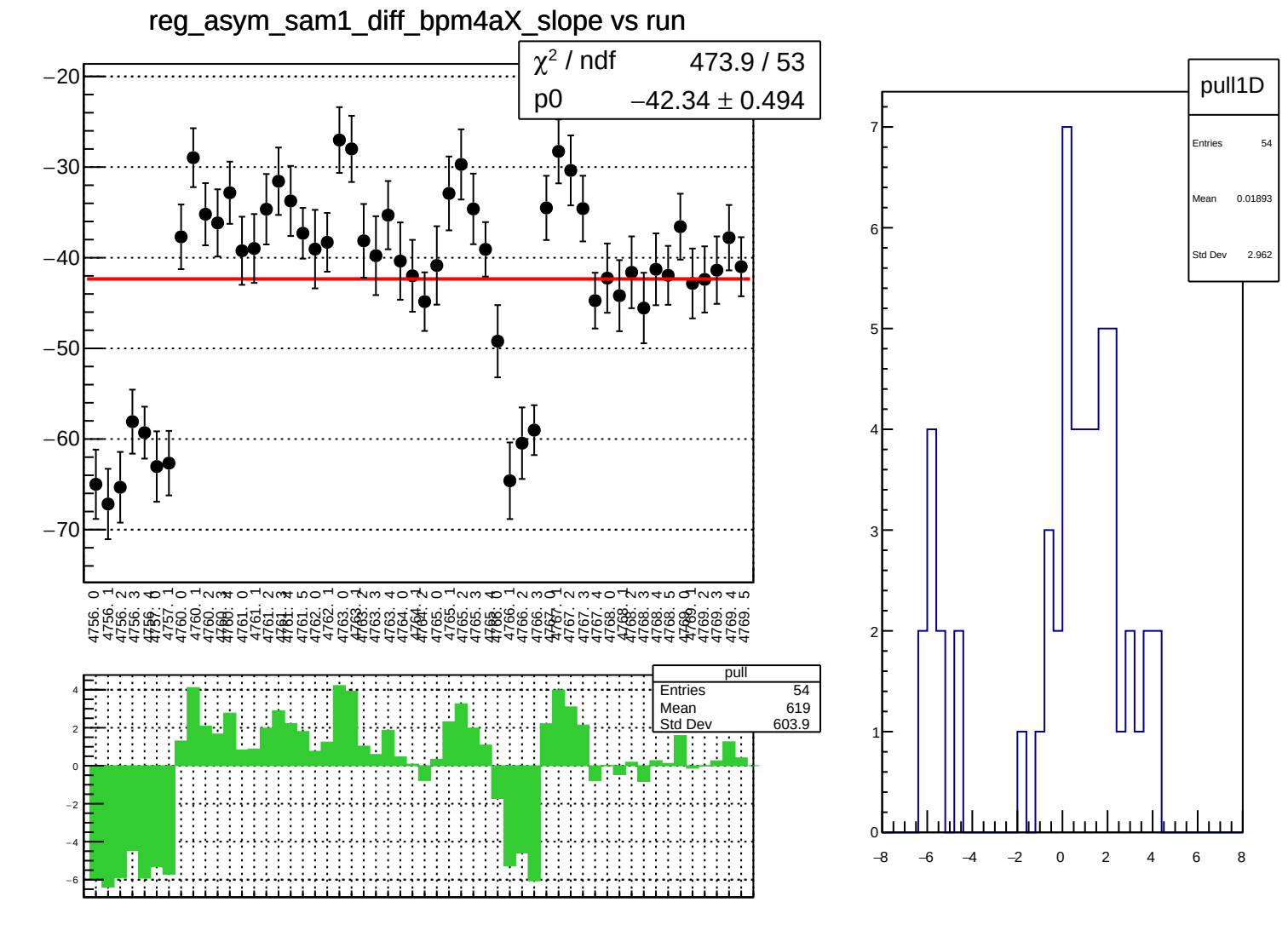

pull1D
Entries 54
Mean 0.02792
Std Dev 1.038

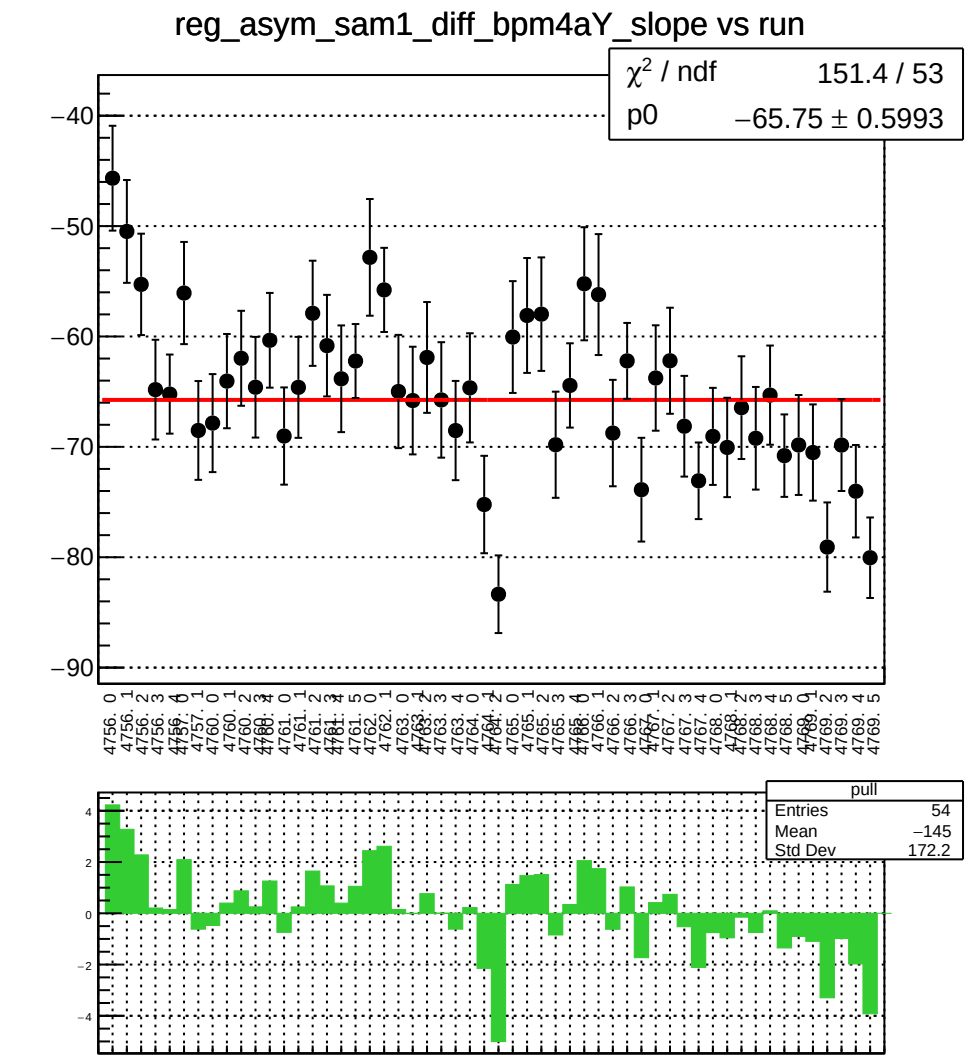

reg_asym_sam_48_dd_rms vs run
χ² / ndf 5229 / 53
p0 809.8 ± 0.7801
1000
950
900
850
800
750
700
650
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

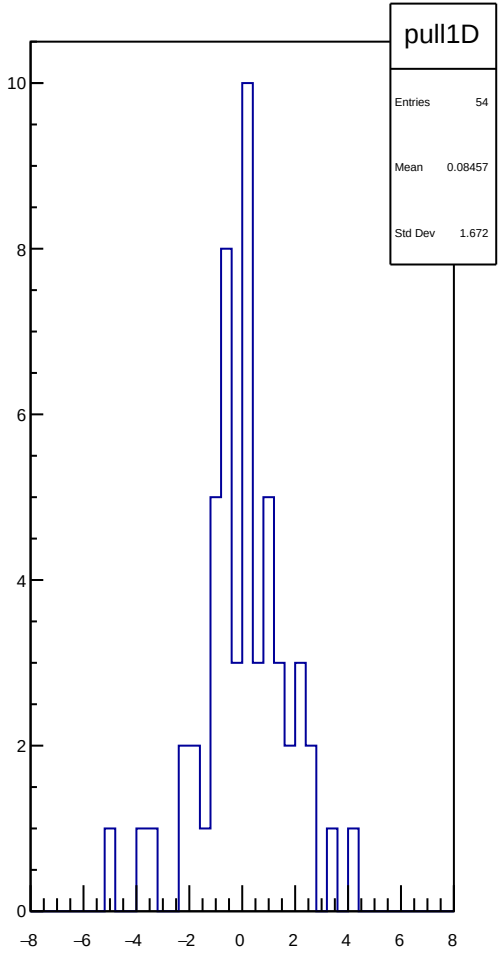

asym_sam_48_dd_correction_mean vs run
χ² / ndf 45.33 / 53
p0 −1.797e+04 ± 3677
pull
Entries 54
Mean −106.8
Std Dev 129.6

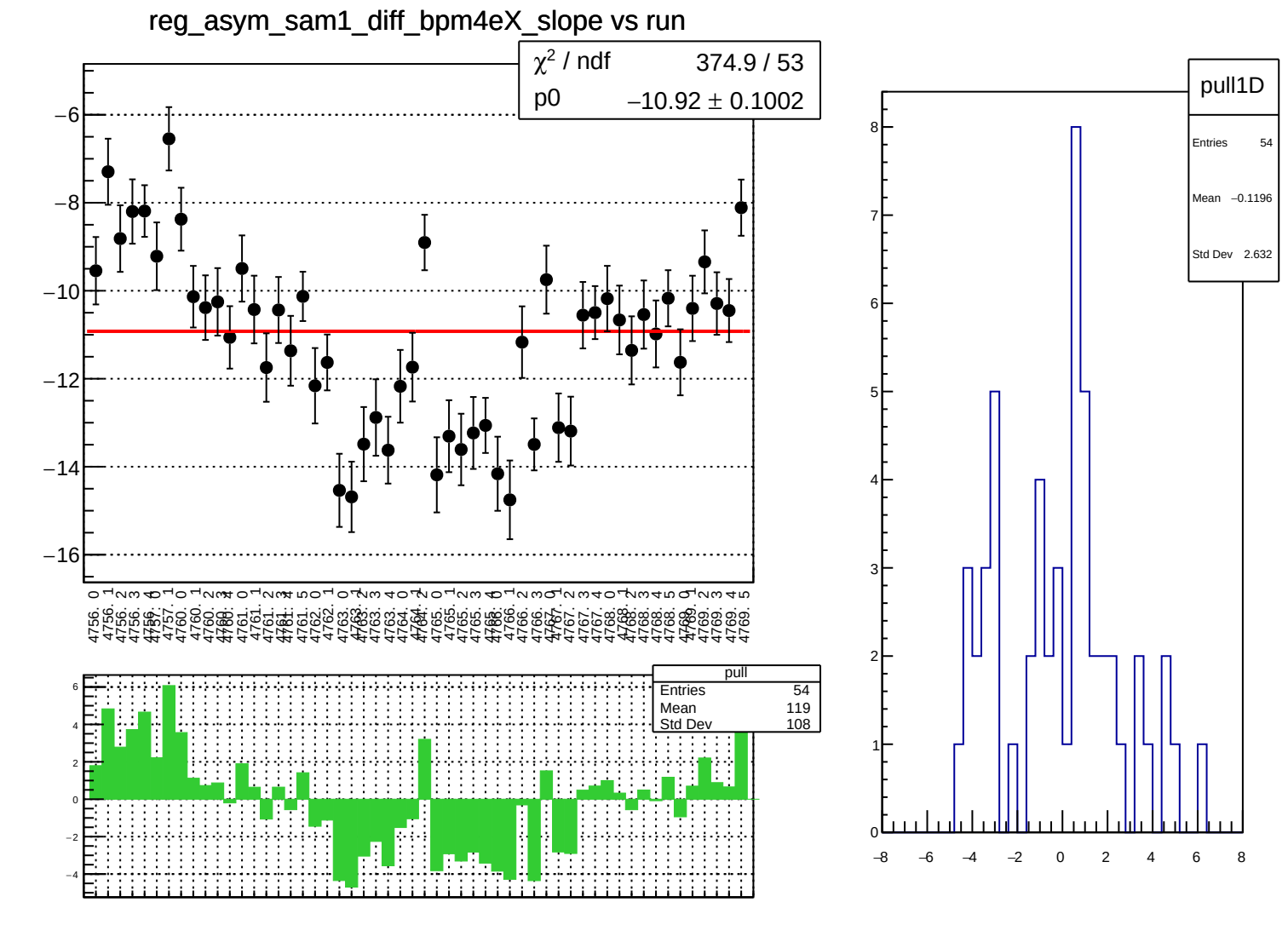

pull1D
Entries 54
Mean 0.01734
Std Dev 0.9161

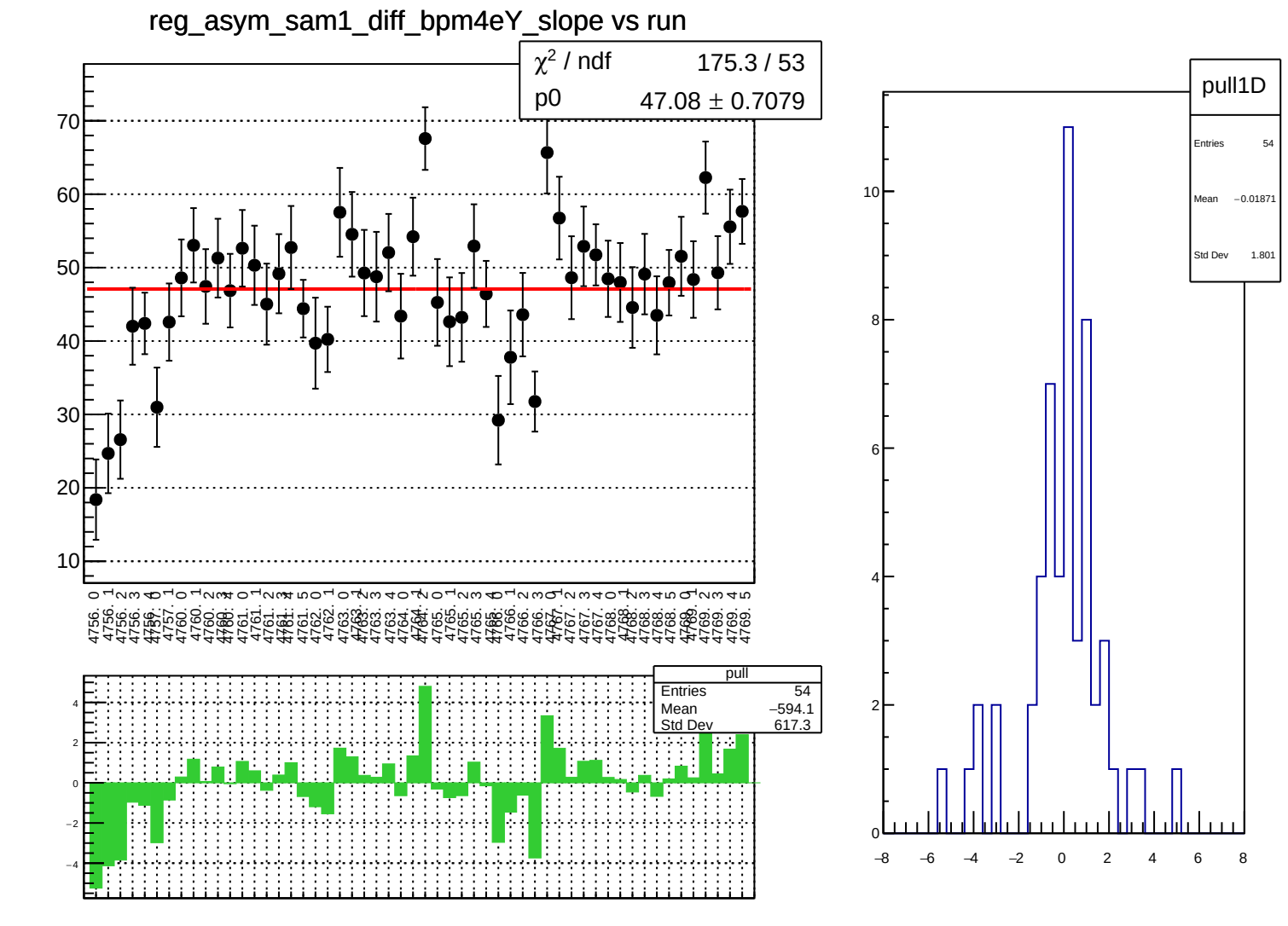

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1615 / 53
p0 2703 ± 2.6
3200
3100
3000
2900
2800
2700
2600
4756. 0
4756. 1
4756. 2
4756. 3
4756. 4
4756. 5
4757. 0
4757. 1
4760. 0
4760. 1
4760. 2
4760. 3
4760. 4
4760. 5
4761. 0
4761. 1
4761. 2
4761. 3
4761. 4
4761. 5
4762. 0
4762. 1
4763. 0
4763. 1
4763. 2
4763. 3
4763. 4
4764. 0
4764. 1
4764. 2
4765. 0
4765. 1
4765. 2
4765. 3
4765. 4
4765. 5
4766. 0
4766. 1
4766. 2
4766. 3
4766. 4
4766. 5
4767. 0
4767. 1
4767. 2
4767. 3
4767. 4
4768. 0
4768. 1
4768. 2
4768. 3
4768. 4
4768. 5
4769. 0
4769. 1
4769. 2
4769. 3
4769. 4
4769. 5

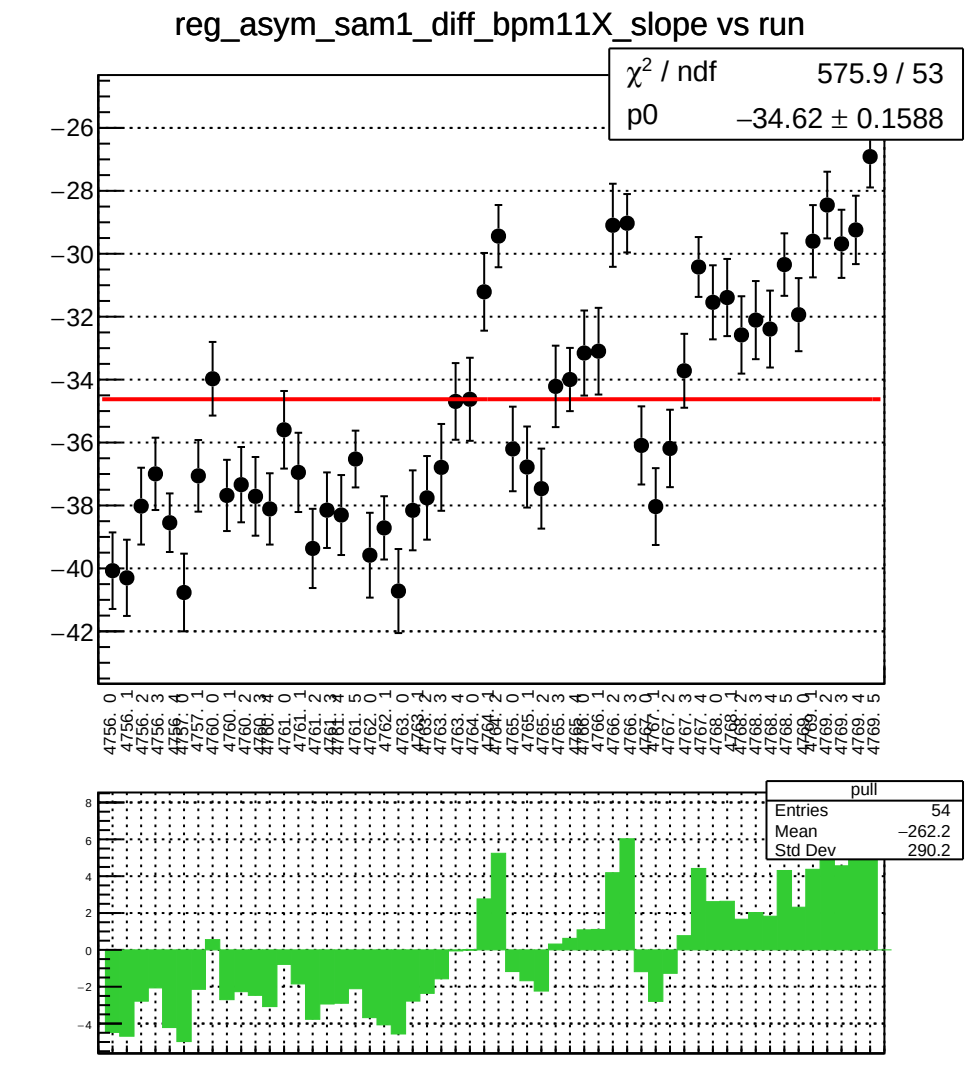

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 473.9 / 53
p0 −42.34 ± 0.494
pull
Entries 54
Mean 619
Std Dev 603.9
pull1D
Entries 54
Mean 0.01893
Std Dev 2.962

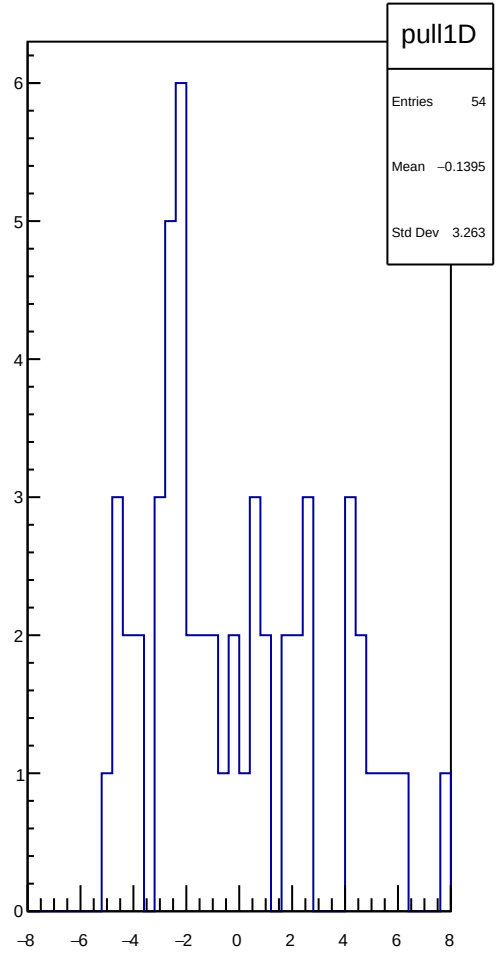

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 151.4 / 53
p0 −65.75 ± 0.5993
pull
Entries 54
Mean −145
Std Dev 172.2

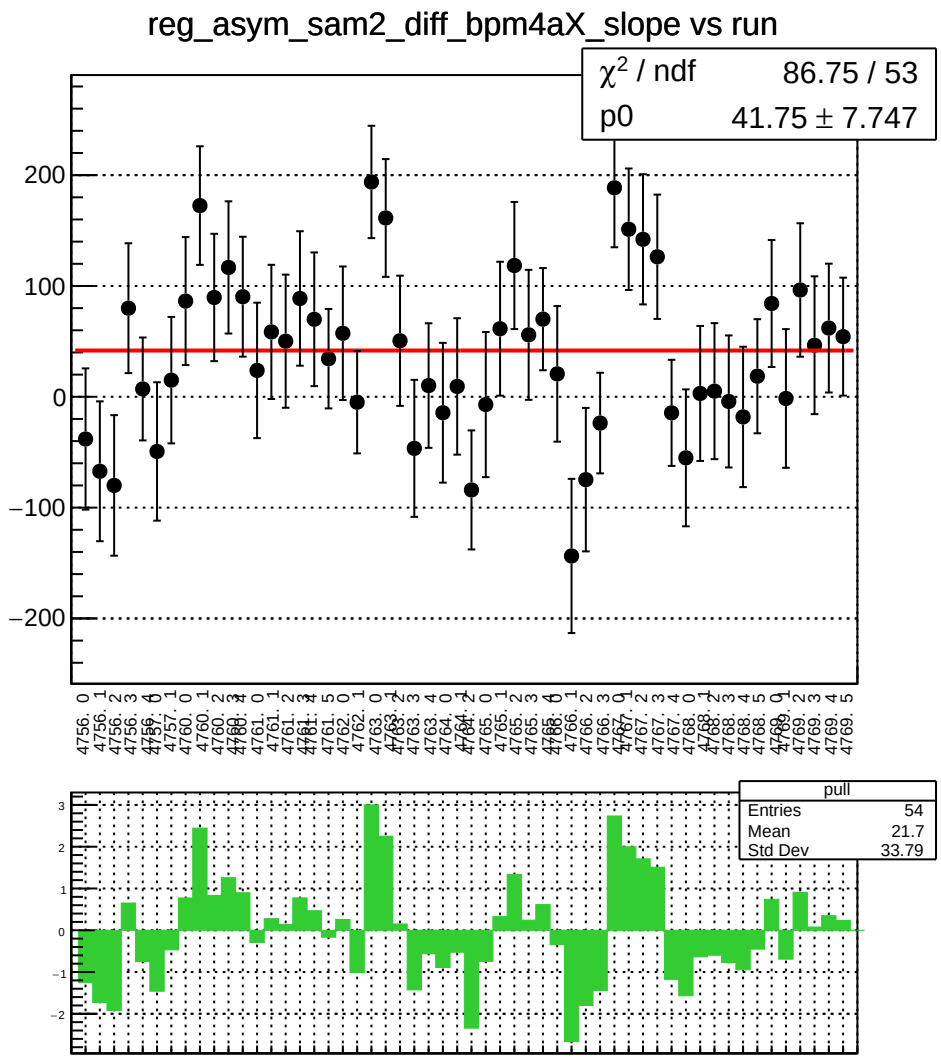

pull1D
Entries 54
Mean 0.08457
Std Dev 1.672

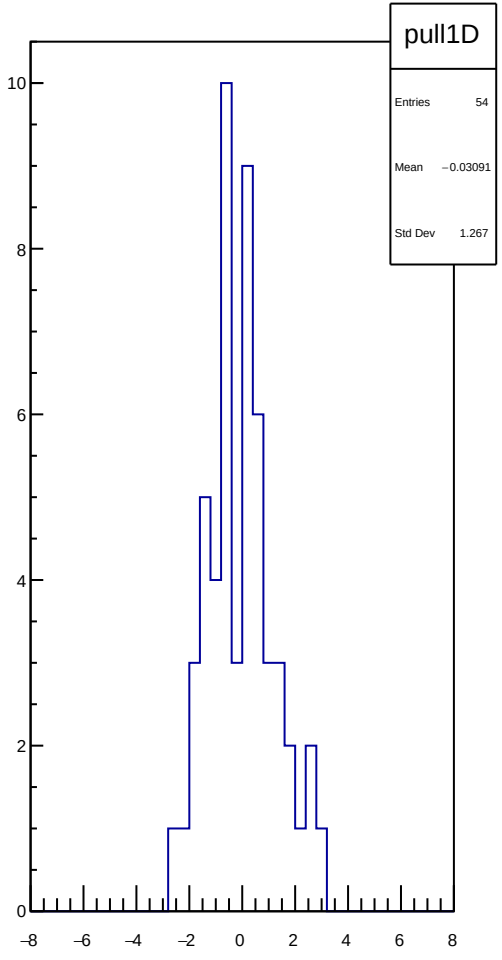

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 374.9 / 53
p0 −10.92 ± 0.1002
pull
Entries 54
Mean 119
Std Dev 108
pull1D
Entries 54
Mean −0.1196
Std Dev 2.632

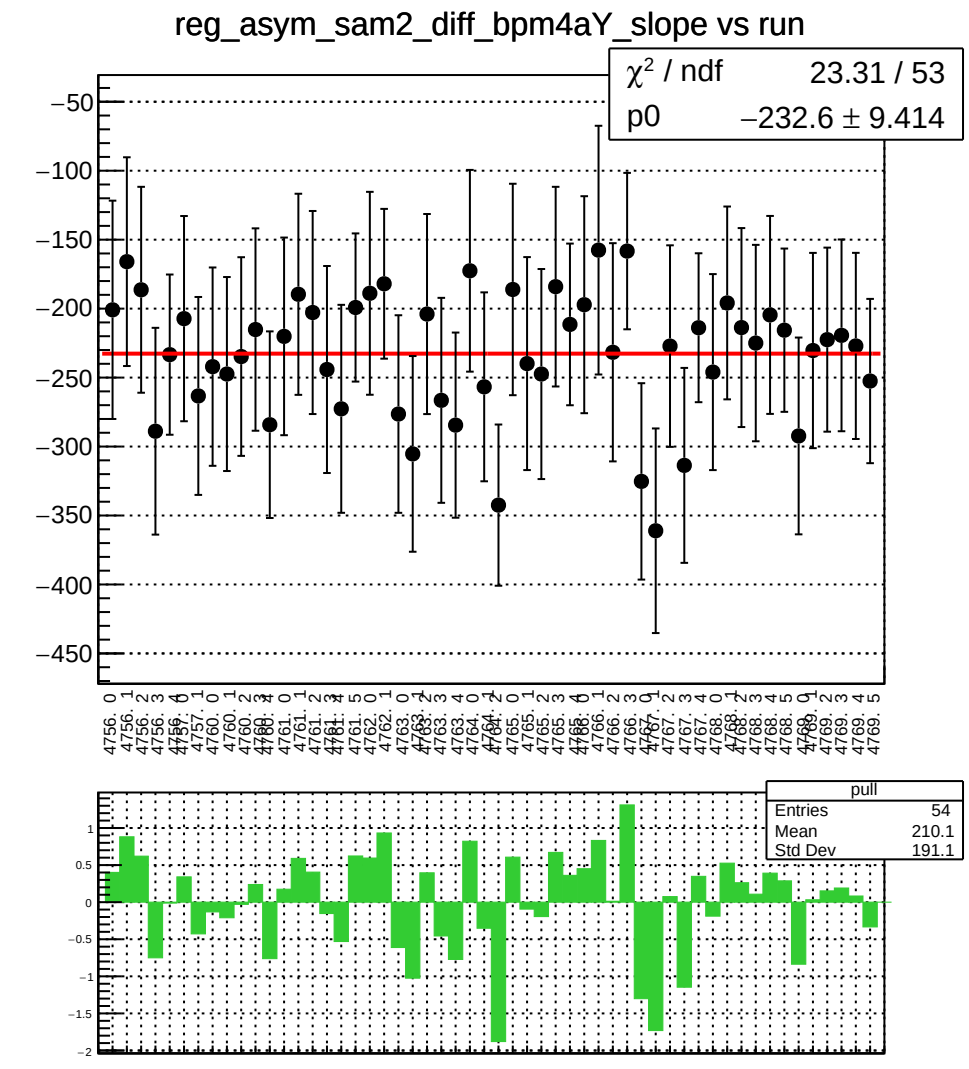

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 175.3 / 53
p0 47.08 ± 0.7079
pull
Entries 54
Mean −594.1
Std Dev 617.3
pull1D
Entries 54
Mean −0.01871
Std Dev 1.801

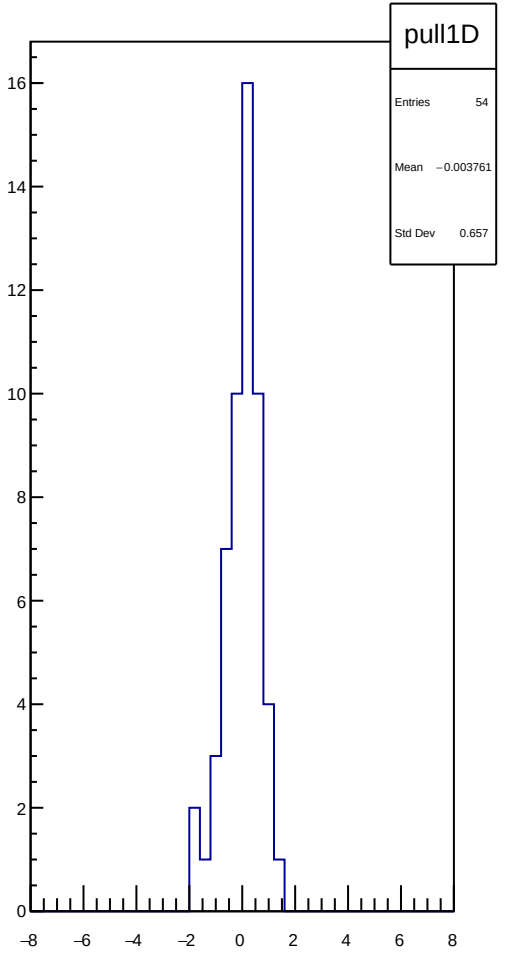

reg_asym_sam1_diff_bpm11X_slope vs run
χ² / ndf 575.9 / 53
p0 −34.62 ± 0.1588
pull
Entries 54
Mean −262.2
Std Dev 290.2

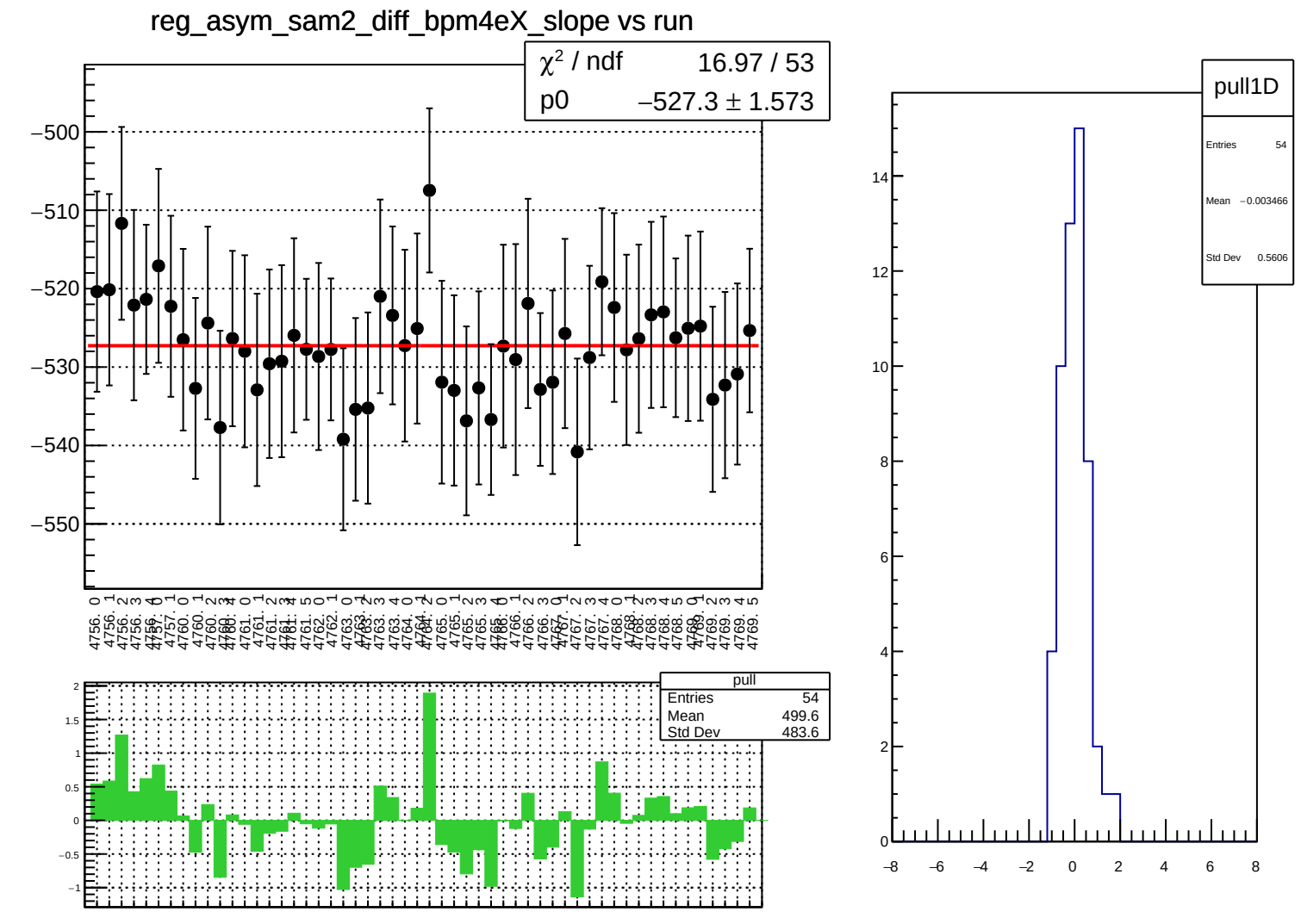

pull1D
Entries 54
Mean −0.1395
Std Dev 3.263

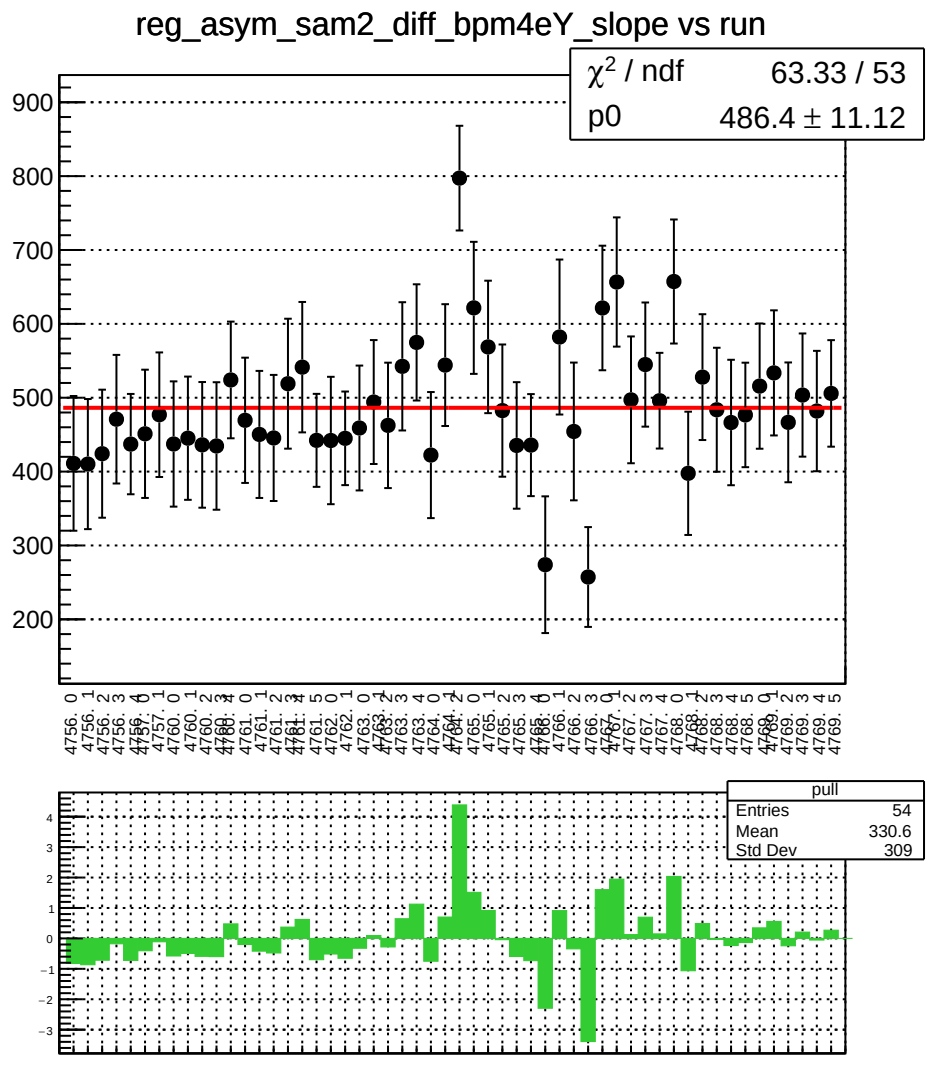

reg_asym_sam2_diff_bpm4aX_slope vs run
χ² / ndf 86.75 / 53
p0 41.75 ± 7.747
200
100
0
−100
−200
pull
Entries 54
Mean 21.7
Std Dev 33.79
3
2
1
0
−1
−2

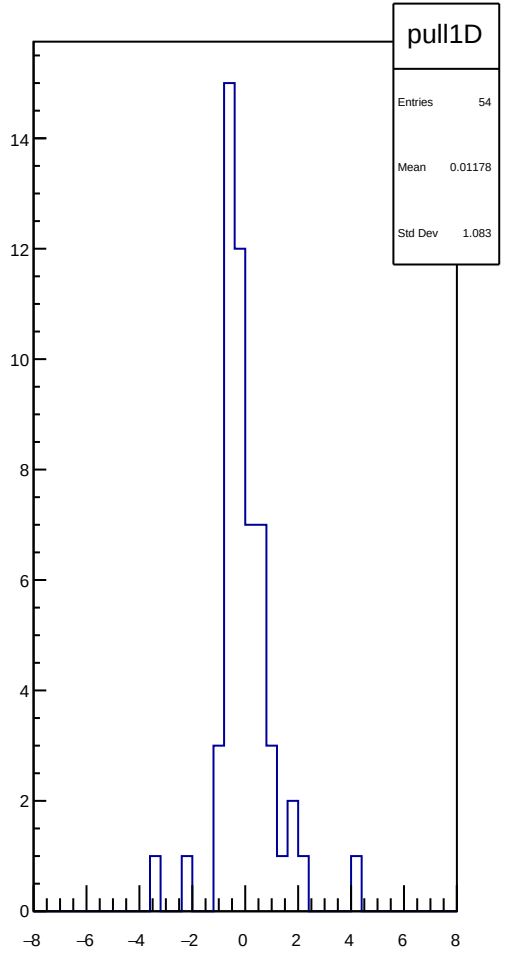

pull1D
Entries 54
Mean −0.03091
Std Dev 1.267
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

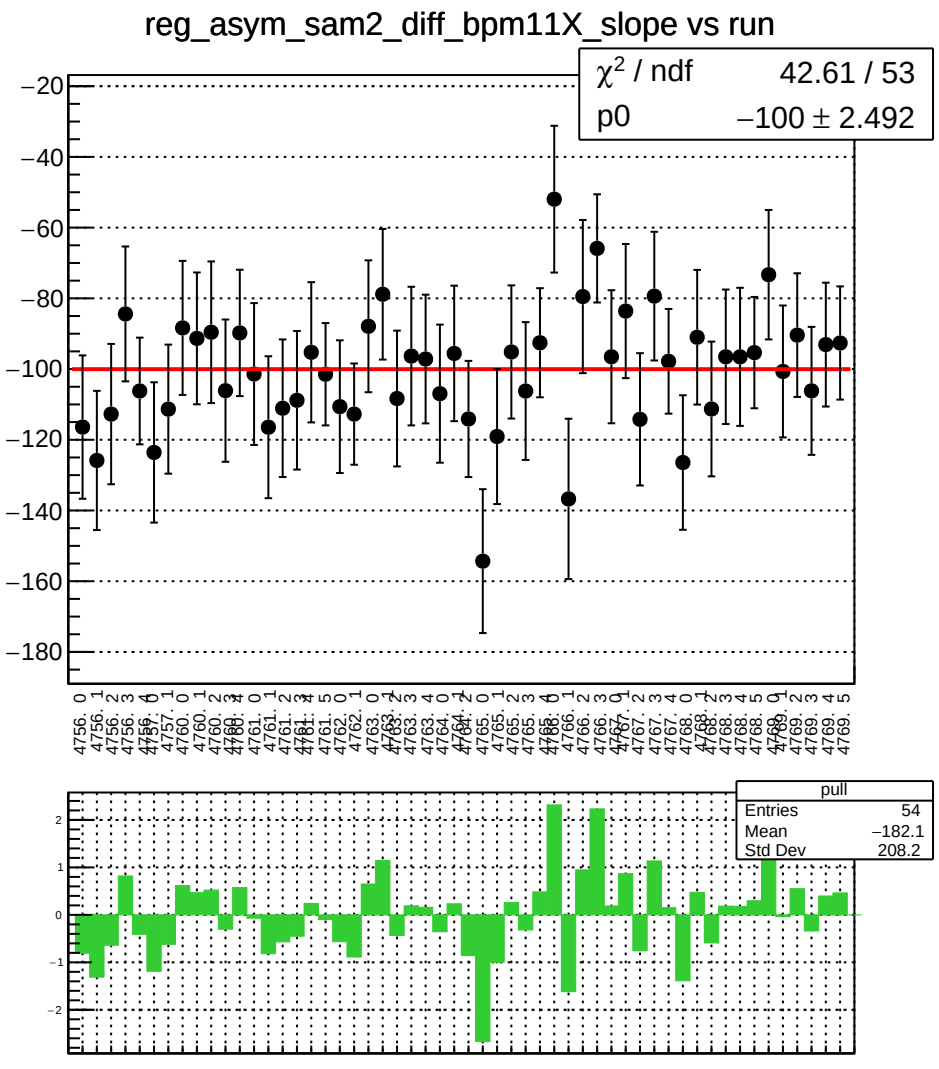

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 23.31 / 53
p0 −232.6 ± 9.414
pull
Entries 54
Mean 210.1
Std Dev 191.1

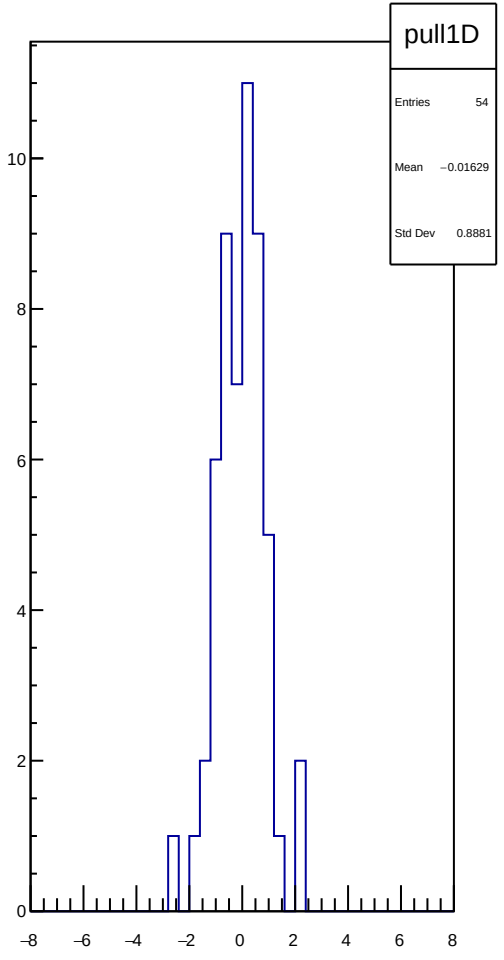

pull1D
Entries 54
Mean −0.003761
Std Dev 0.657

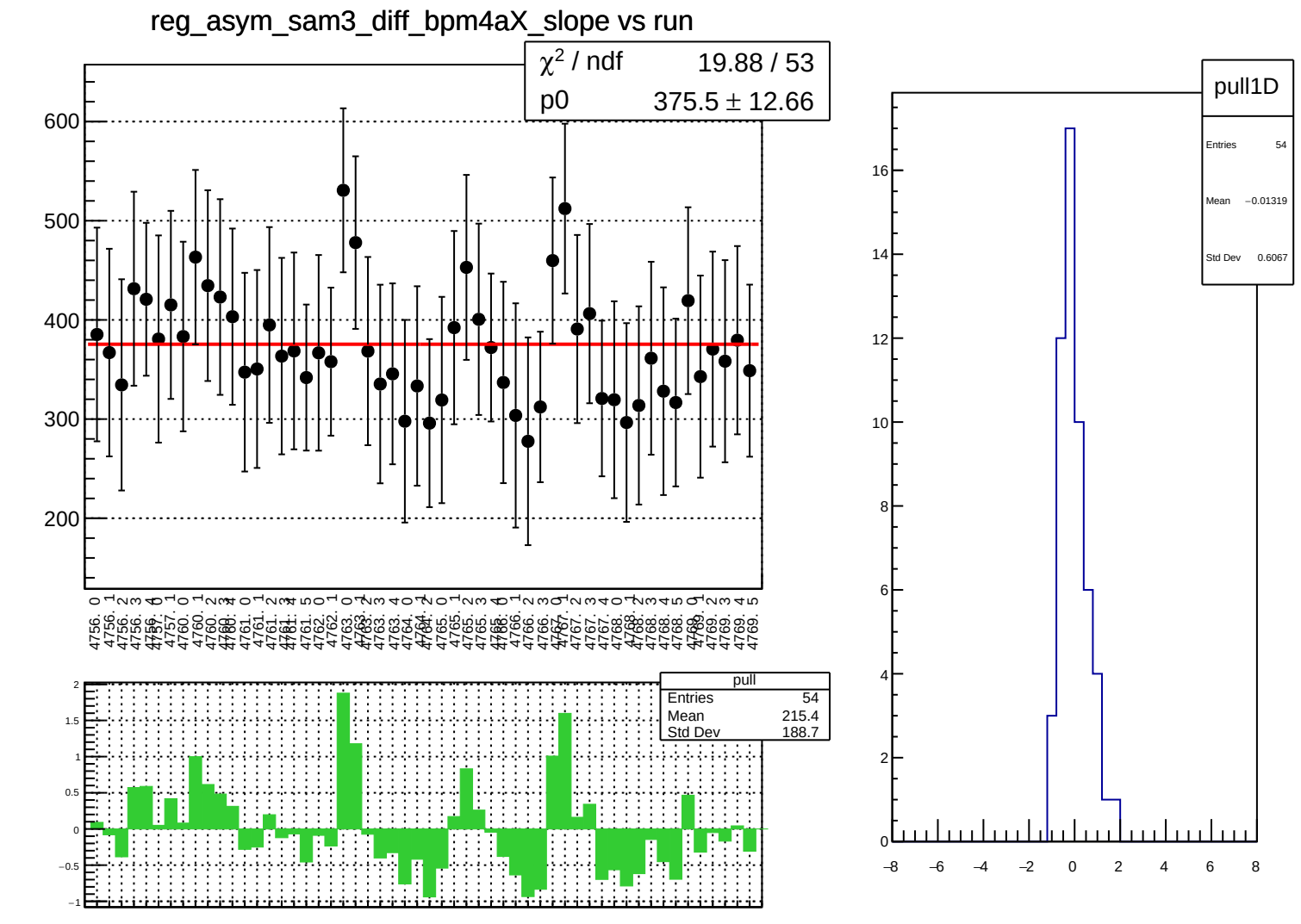

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 16.97 / 53
p0 −527.3 ± 1.573
pull
Entries 54
Mean 499.6
Std Dev 483.6
pull1D
Entries 54
Mean −0.003466
Std Dev 0.5606

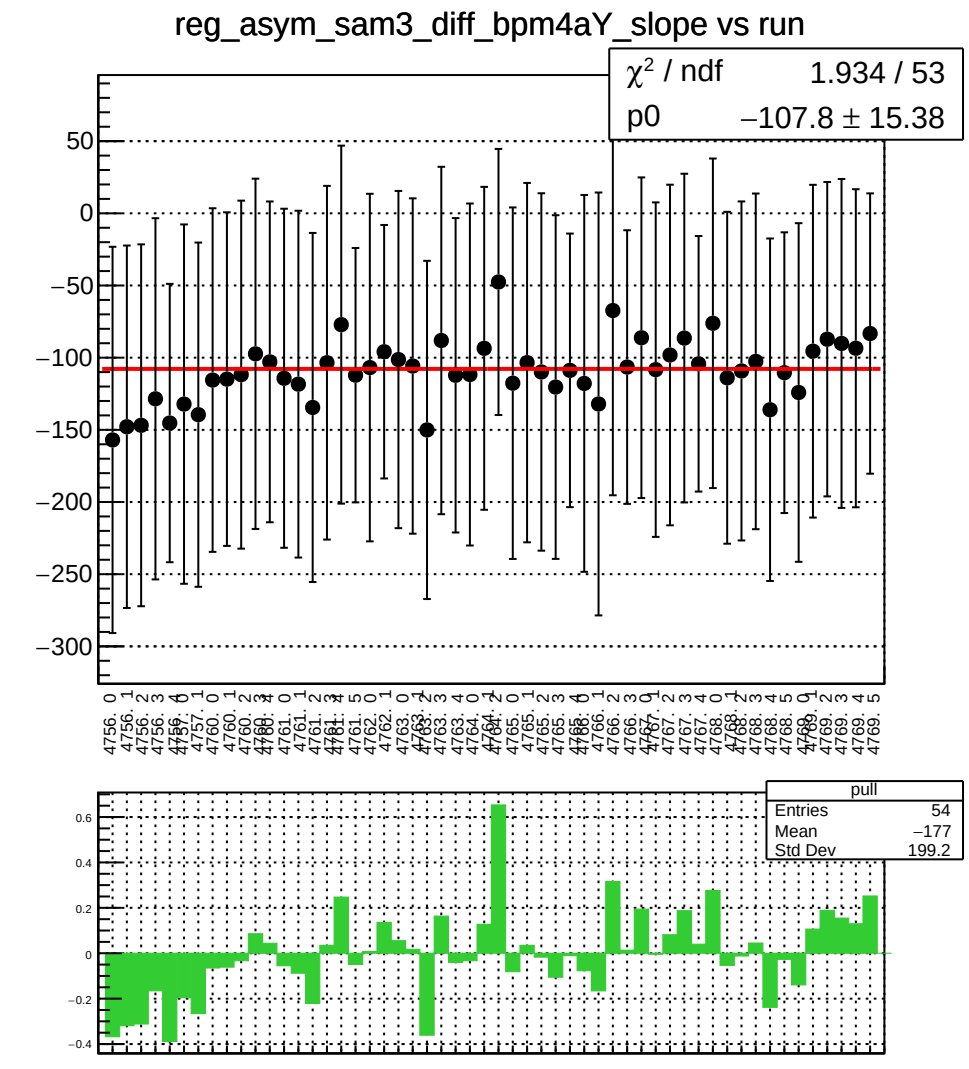

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 63.33 / 53
p0 486.4 ± 11.12
900
800
700
600
500
400
300
200
pull
Entries 54
Mean 330.6
Std Dev 309
4
3
2
1
0
−1
−2
−3

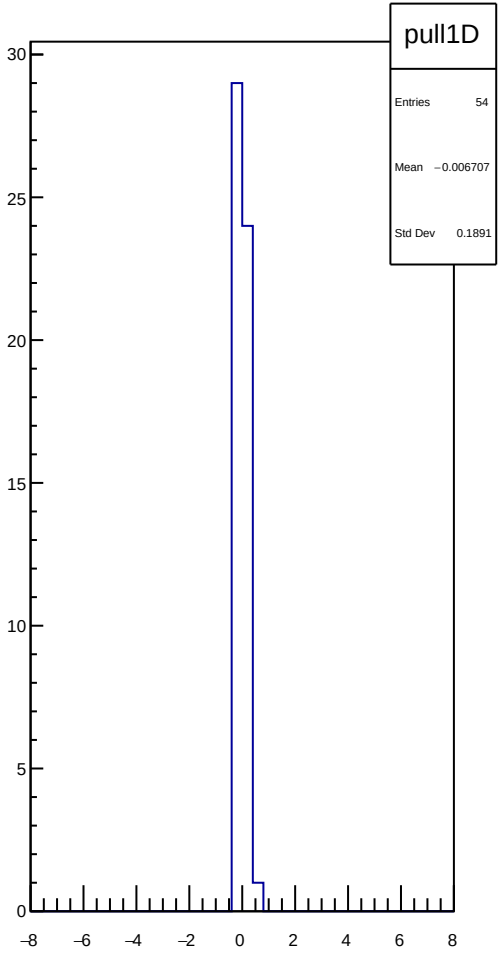

pull1D
Entries 54
Mean 0.01178
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

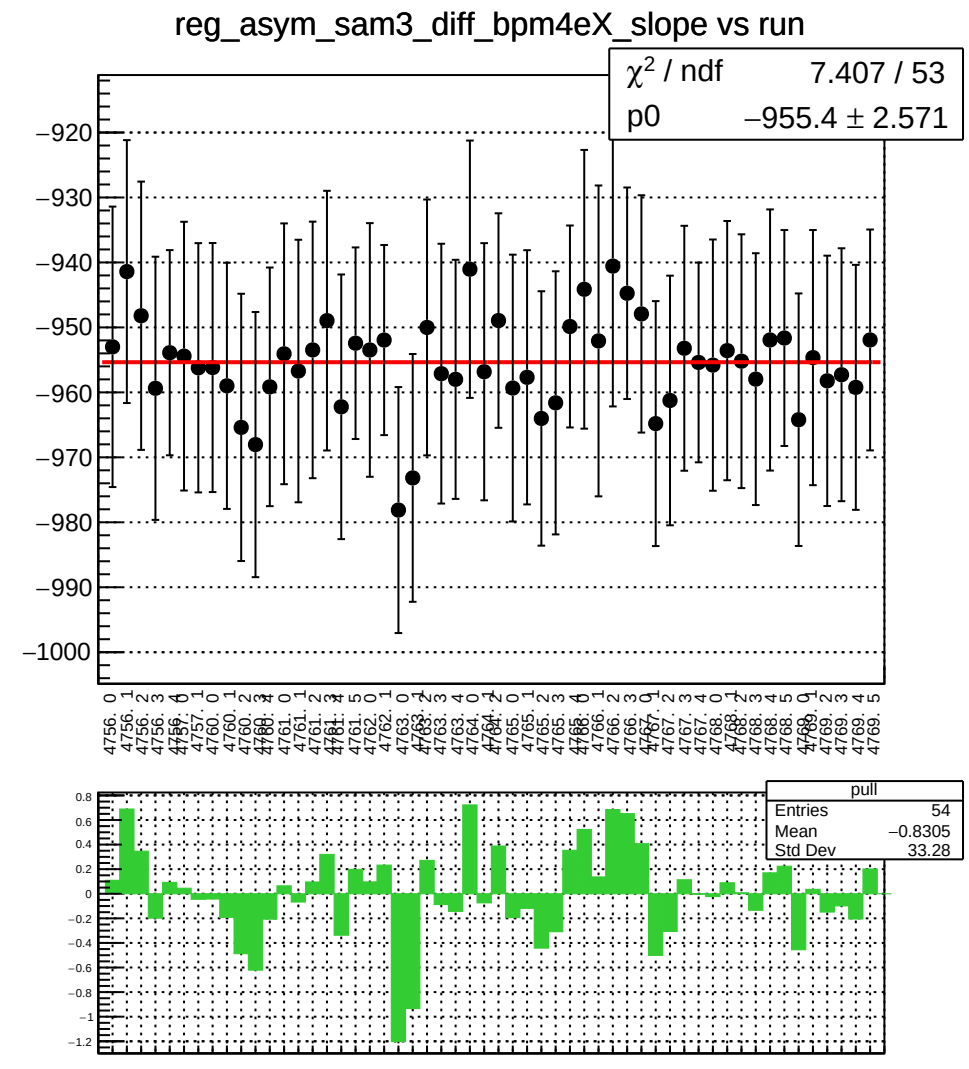

reg_asym_sam2_diff_bpm11X_slope vs run
χ² / ndf 42.61 / 53
p0 −100 ± 2.492
pull
Entries 54
Mean −182.1
Std Dev 208.2

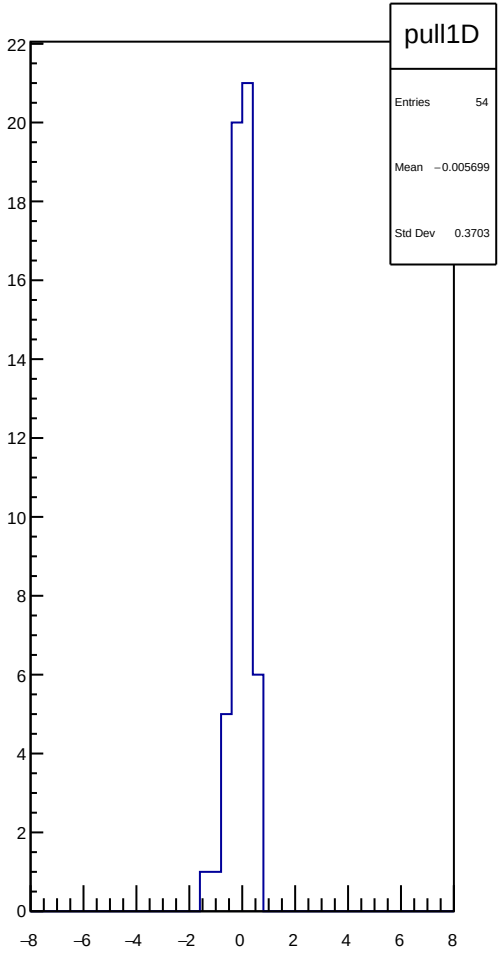

pull1D
Entries 54
Mean −0.01629
Std Dev 0.8881

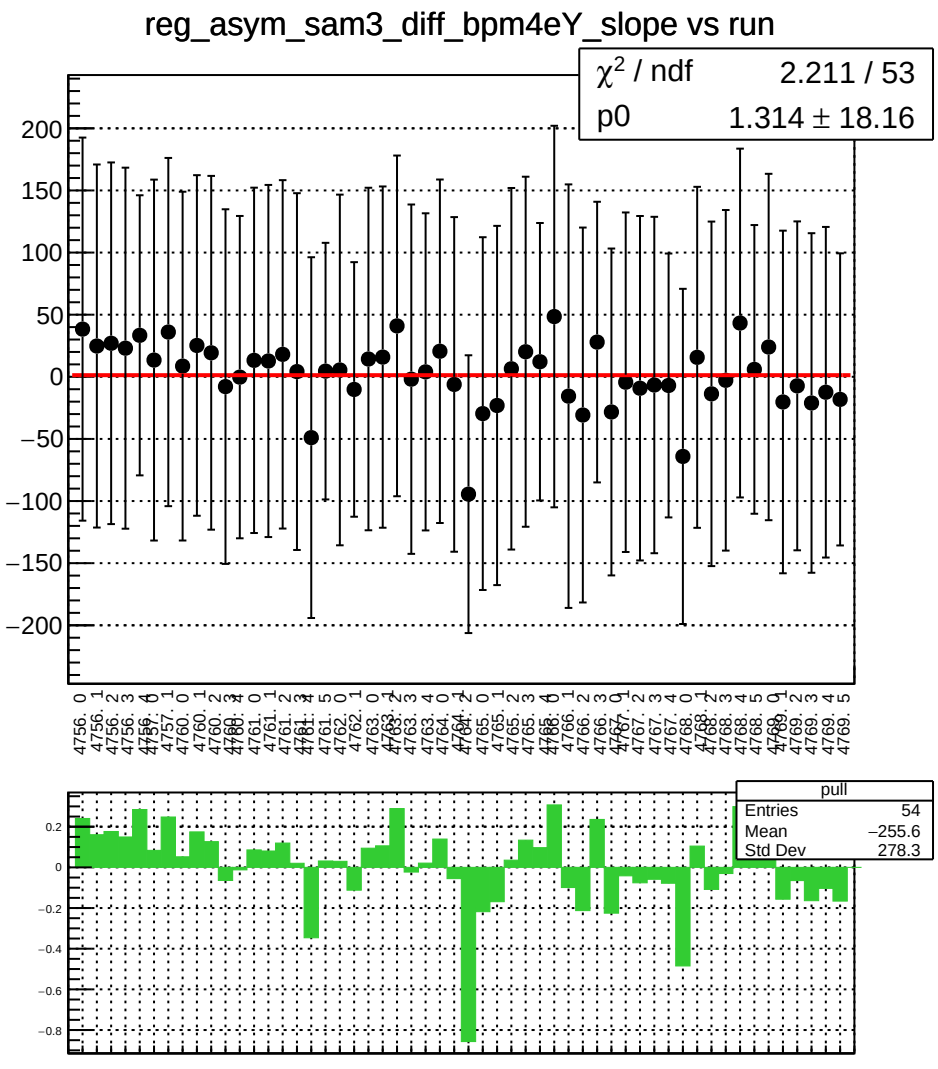

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 19.88 / 53
p0 375.5 ± 12.66
pull
Entries 54
Mean 215.4
Std Dev 188.7
pull1D
Entries 54
Mean −0.01319
Std Dev 0.6067

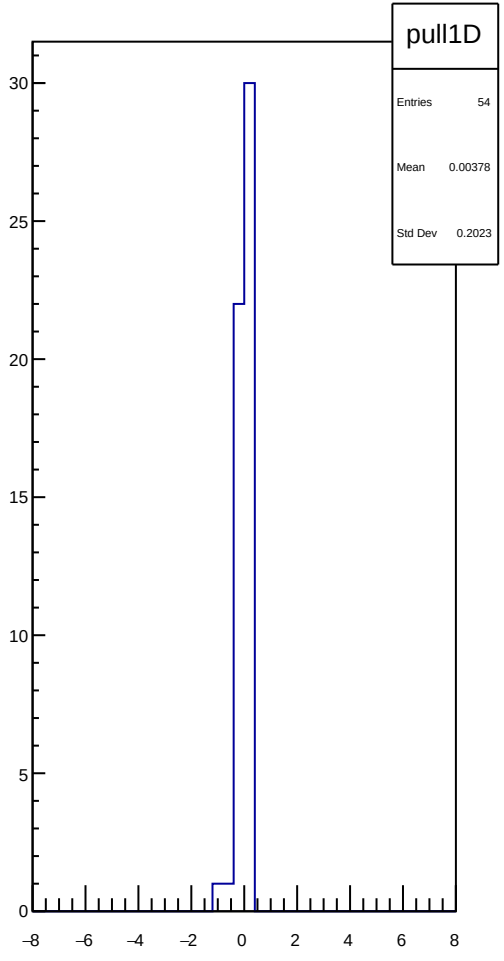

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.934 / 53
p0 −107.8 ± 15.38
pull
Entries 54
Mean −177
Std Dev 199.2

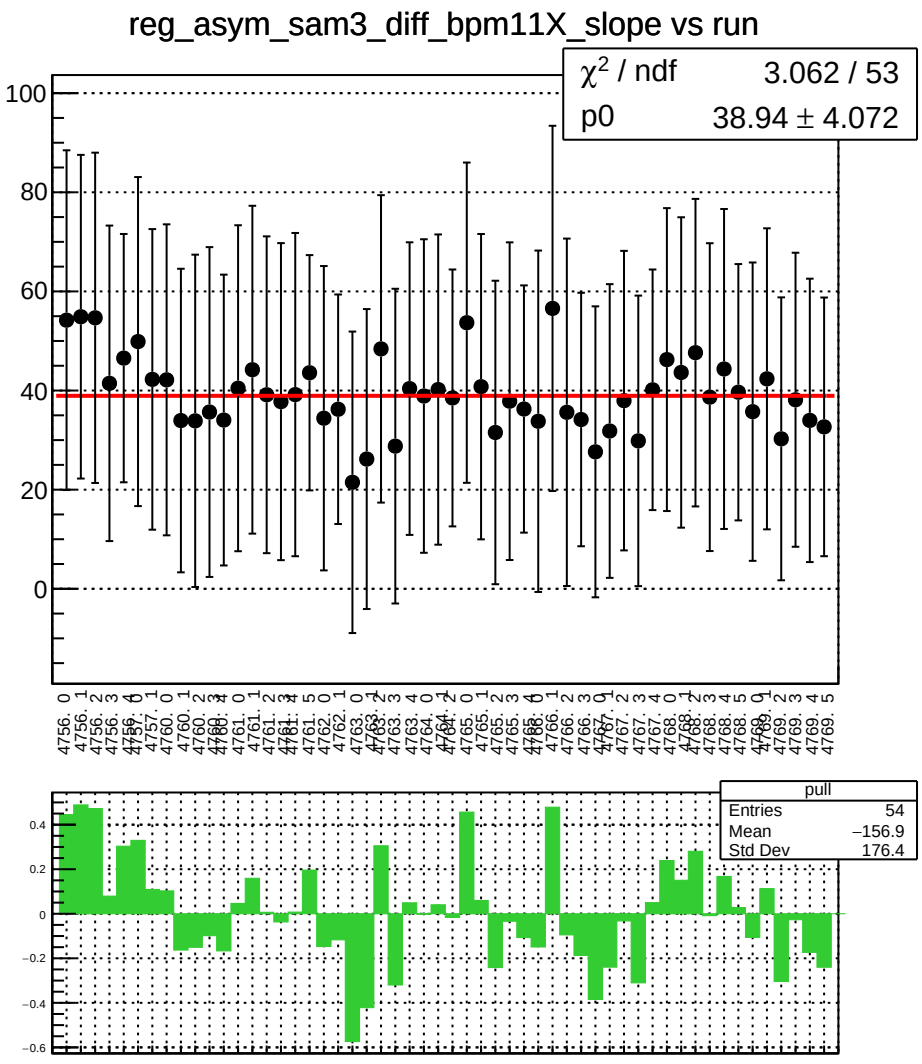

pull1D
Entries 54
Mean −0.006707
Std Dev 0.1891

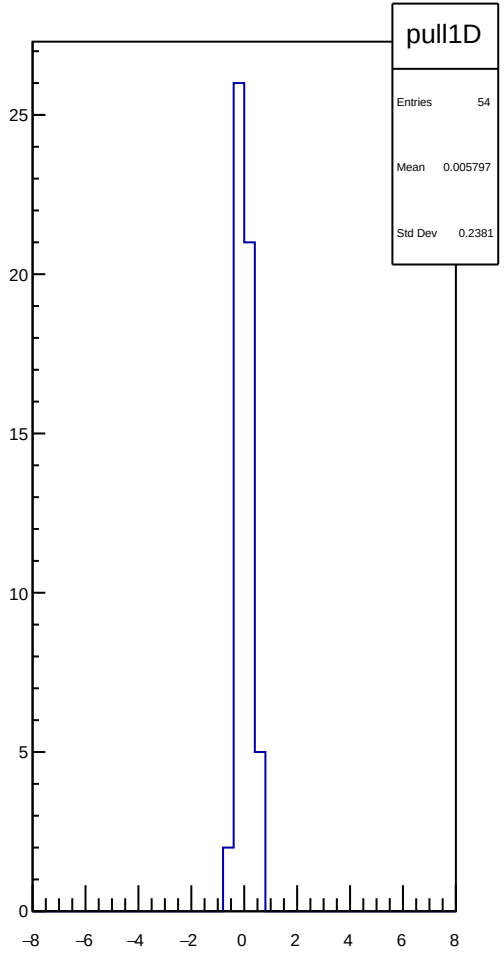

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.407 / 53
p0 −955.4 ± 2.571
pull
Entries 54
Mean −0.8305
Std Dev 33.28

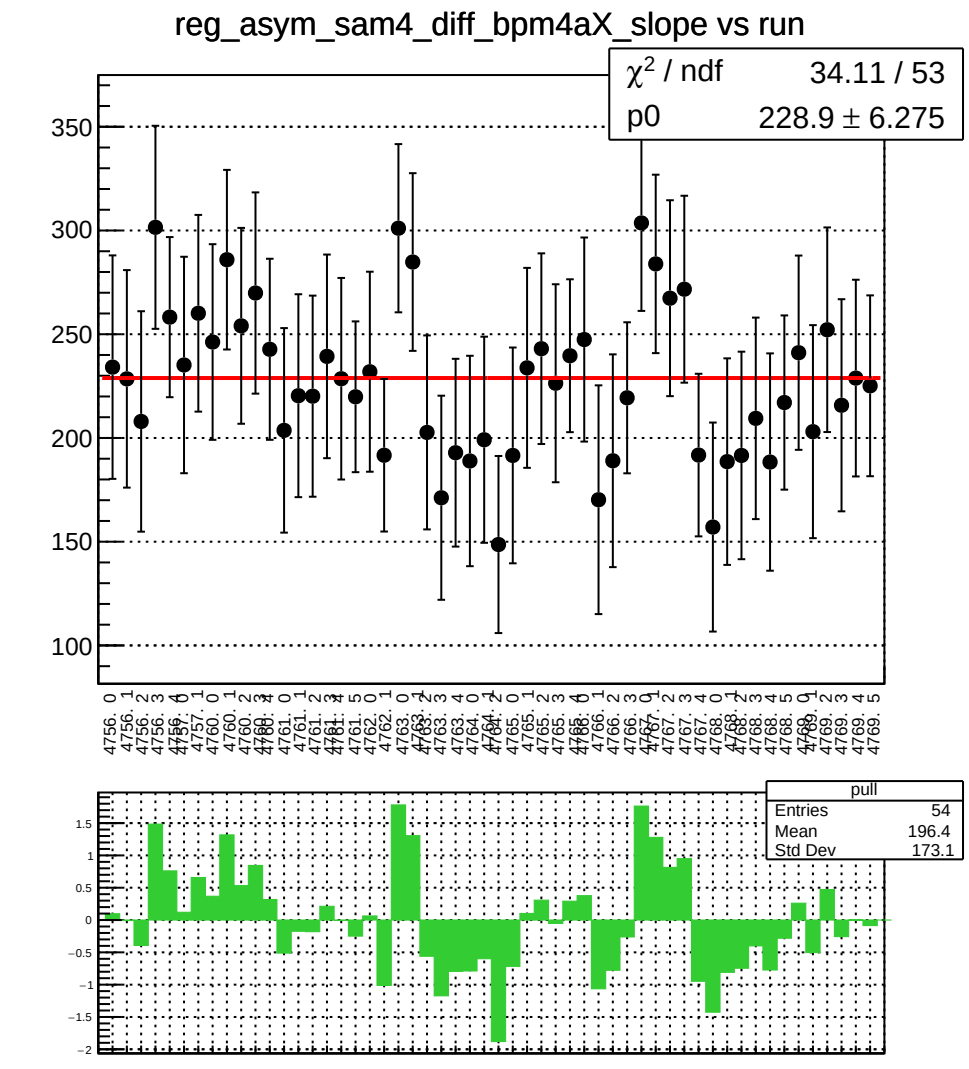

pull1D
Entries 54
Mean −0.005699
Std Dev 0.3703

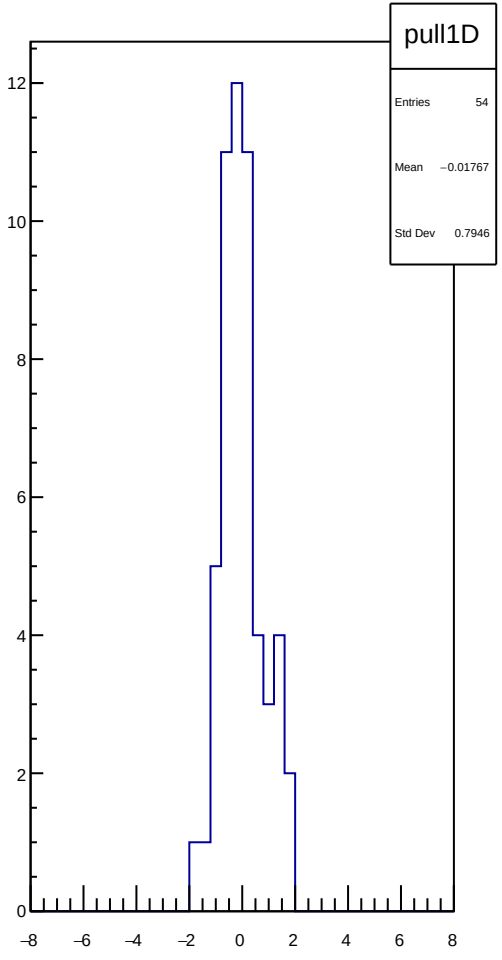

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.211 / 53
p0 1.314 ± 18.16
pull
Entries 54
Mean −255.6
Std Dev 278.3

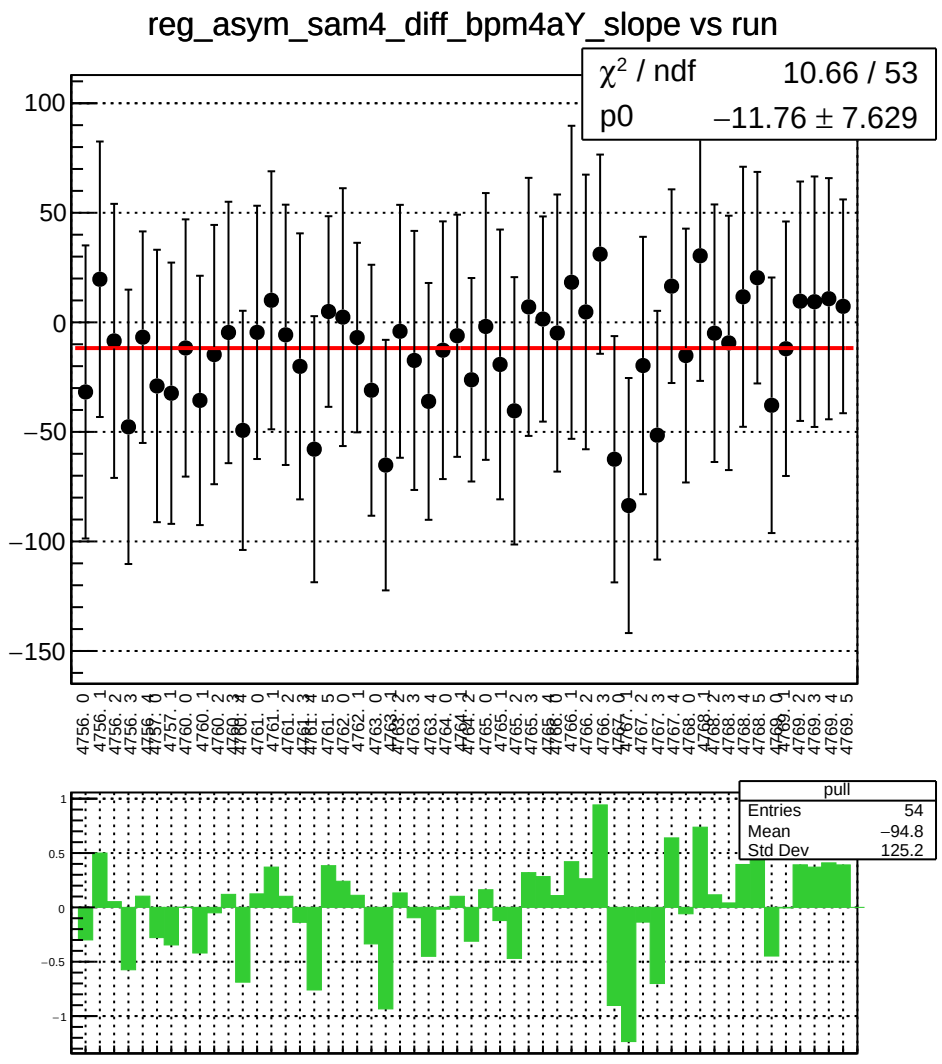

pull1D
Entries 54
Mean 0.00378
Std Dev 0.2023

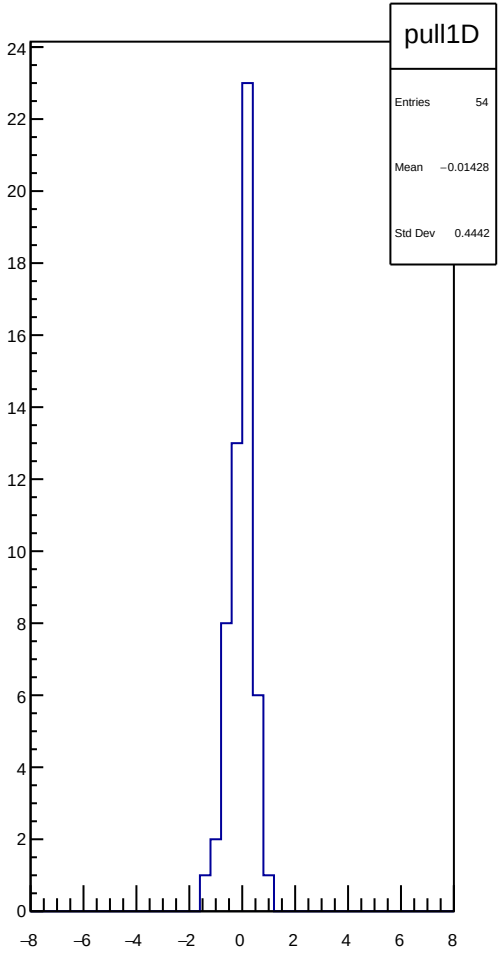

reg_asym_sam3_diff_bpm11X_slope vs run
χ² / ndf 3.062 / 53
p0 38.94 ± 4.072
pull
Entries 54
Mean −156.9
Std Dev 176.4

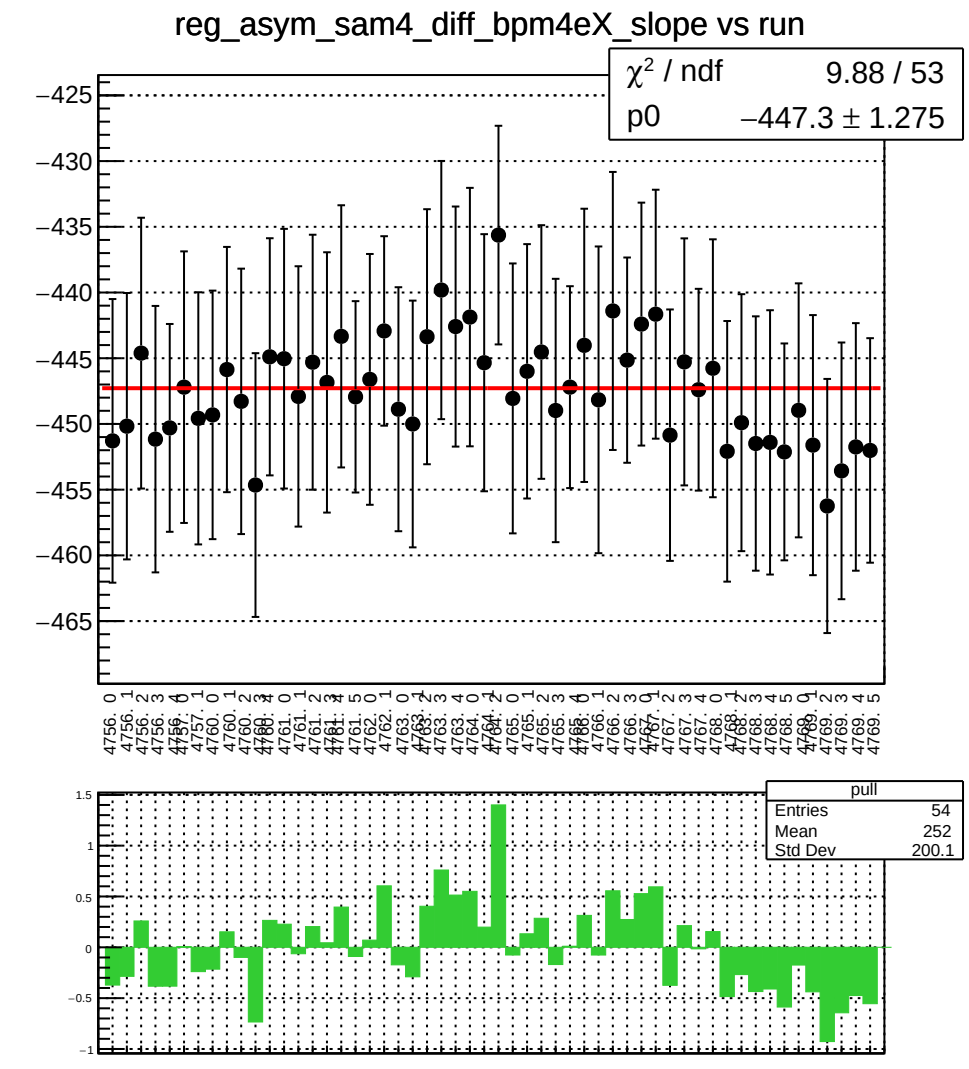

pull1D
Entries 54
Mean 0.005797
Std Dev 0.2381

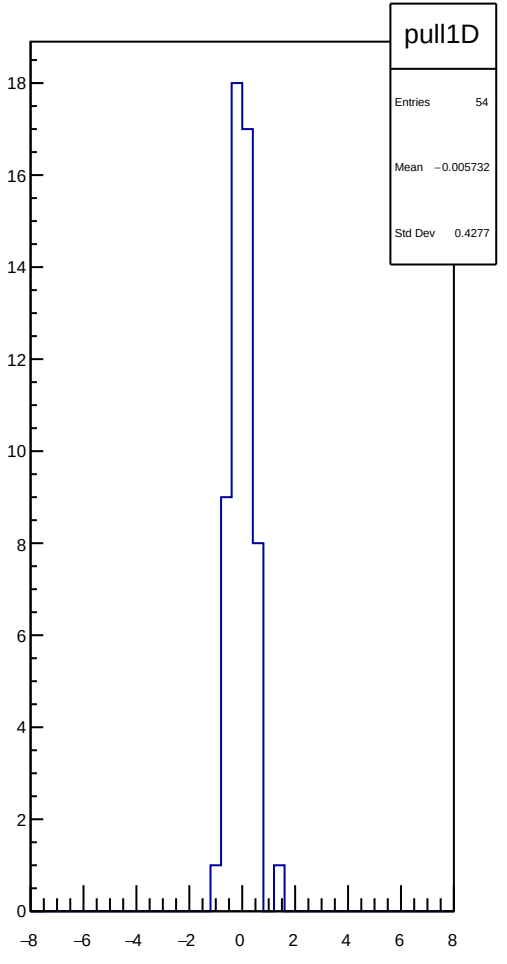

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 34.11 / 53
p0 228.9 ± 6.275
pull
Entries 54
Mean 196.4
Std Dev 173.1

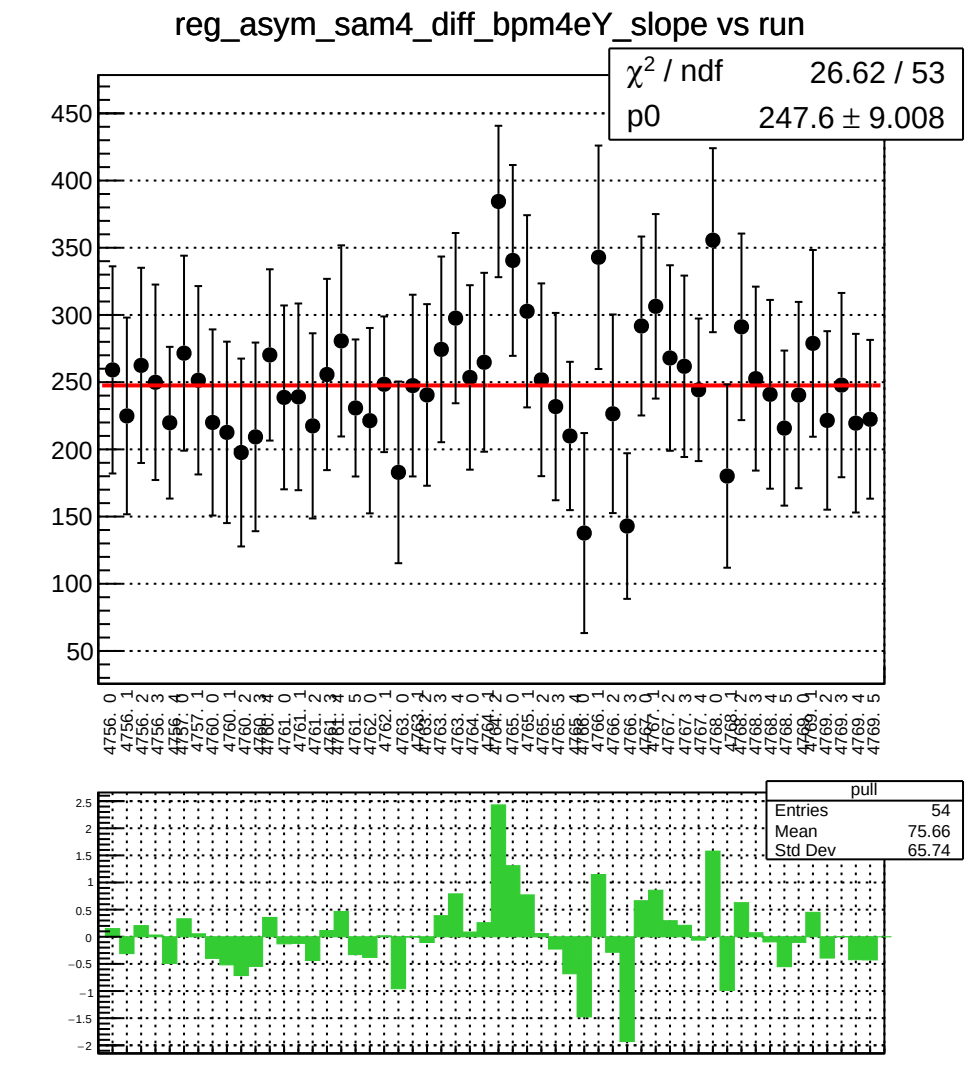

pull1D
Entries 54
Mean −0.01767
Std Dev 0.7946

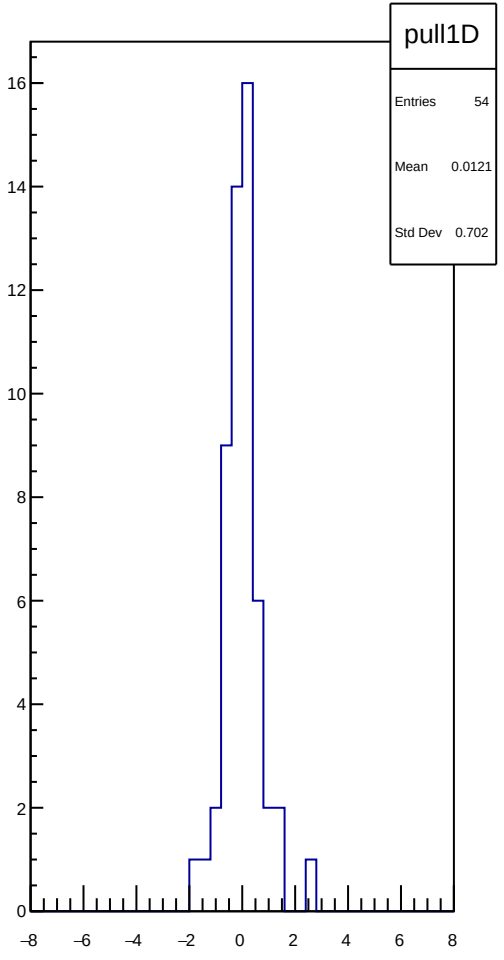

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 10.66 / 53
p0 −11.76 ± 7.629
pull
Entries 54
Mean −94.8
Std Dev 125.2

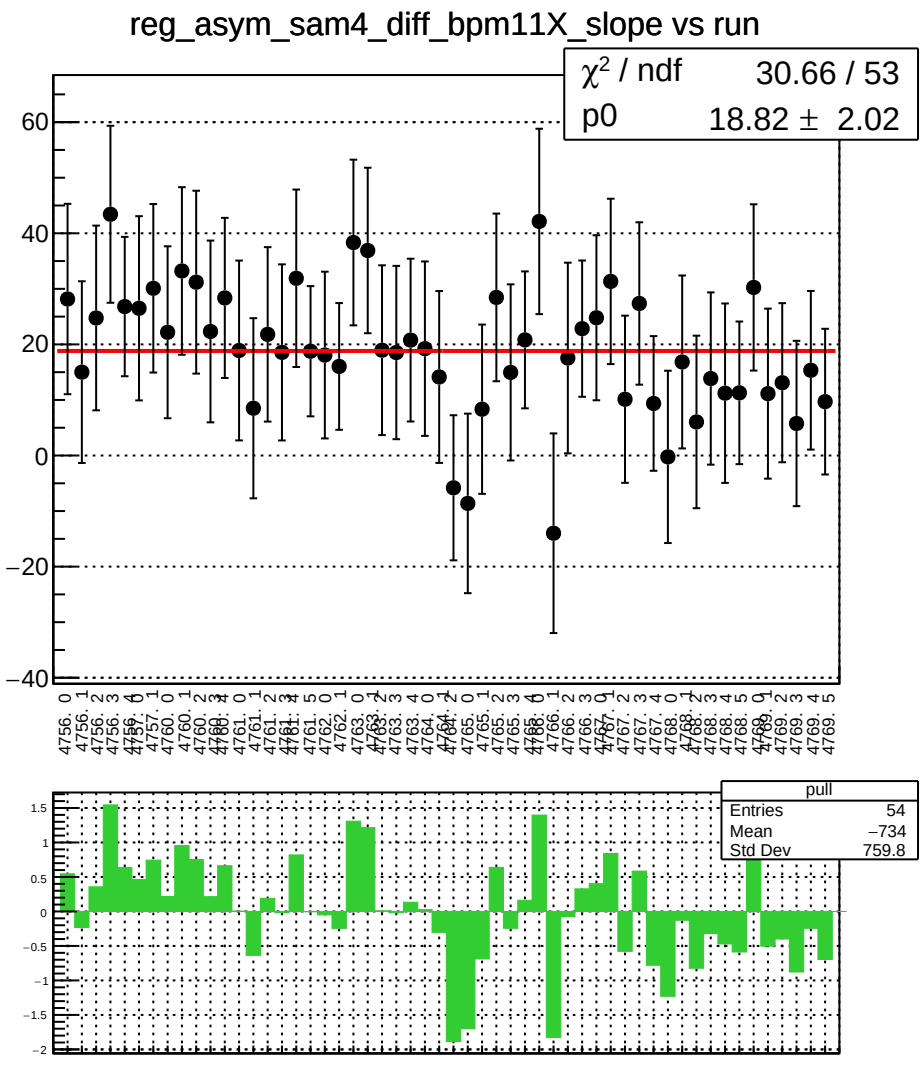

pull1D
Entries 54
Mean −0.01428
Std Dev 0.4442

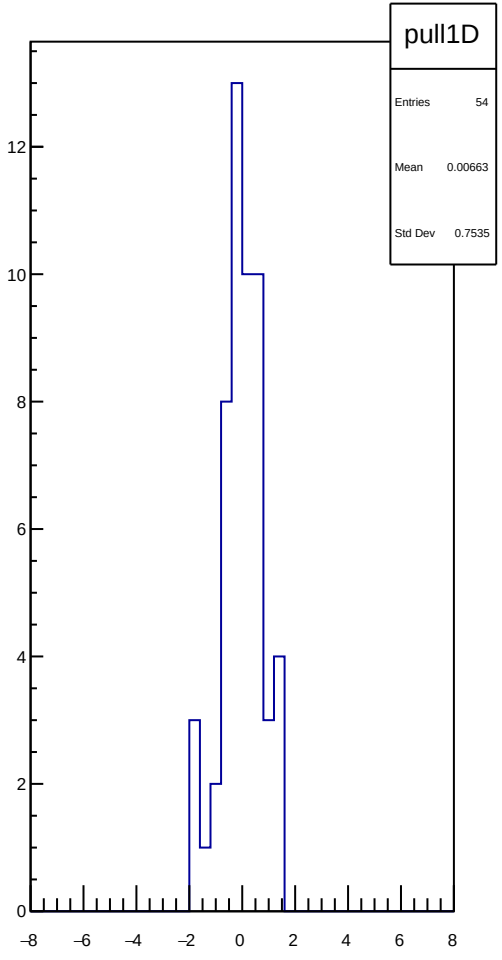

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 9.88 / 53
p0 −447.3 ± 1.275
pull
Entries 54
Mean 252
Std Dev 200.1

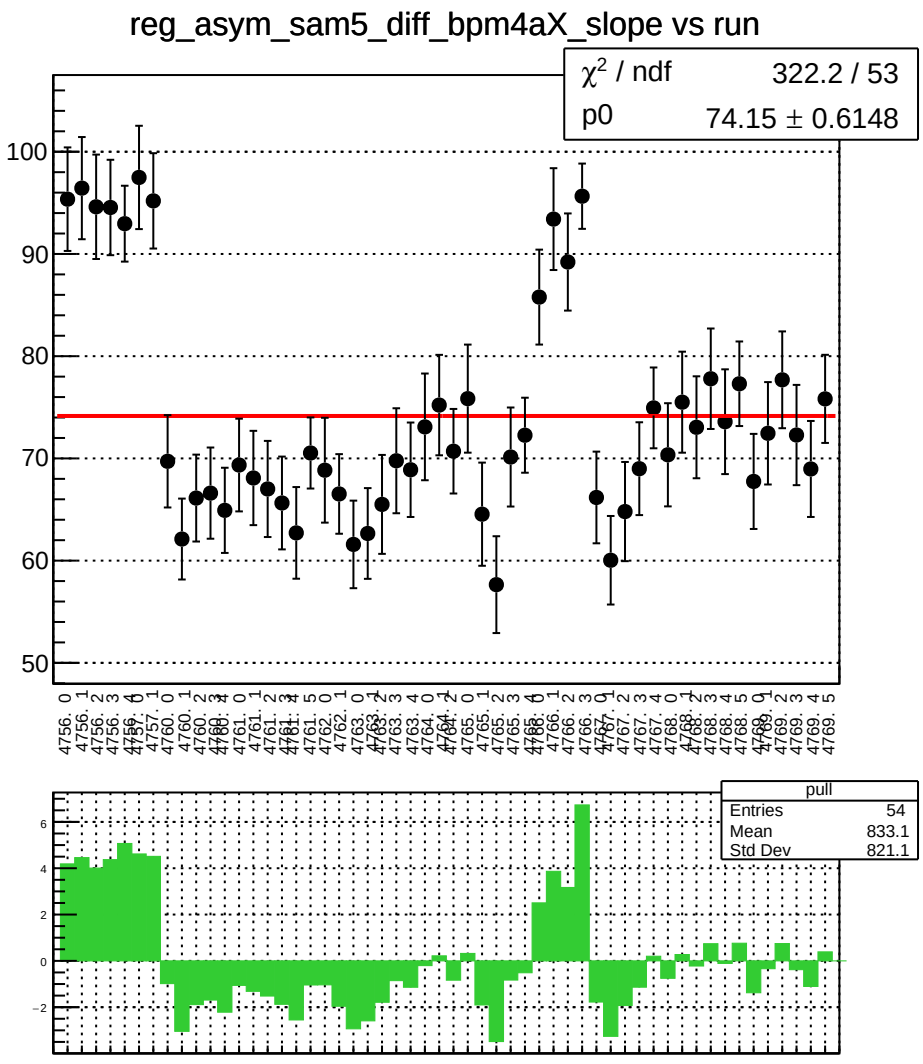

pull1D
Entries 54
Mean −0.005732
Std Dev 0.4277

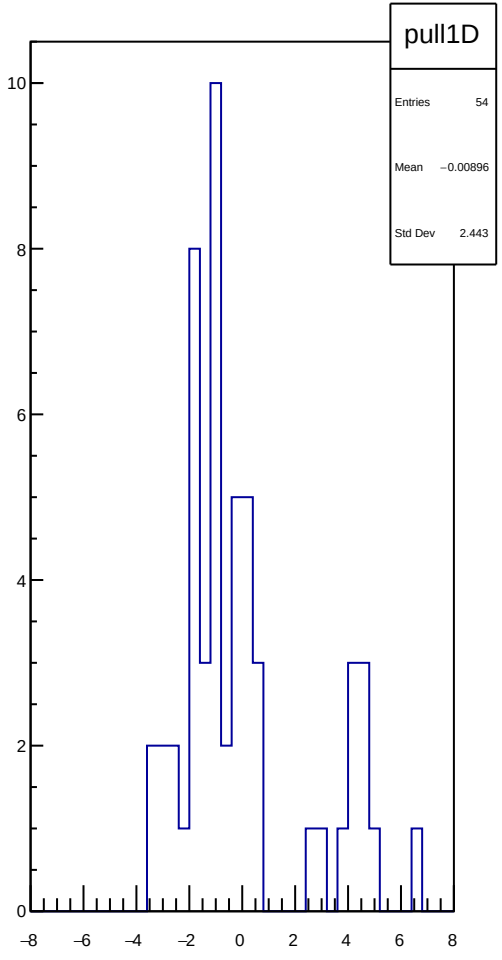

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 26.62 / 53
p0 247.6 ± 9.008
pull
Entries 54
Mean 75.66
Std Dev 65.74

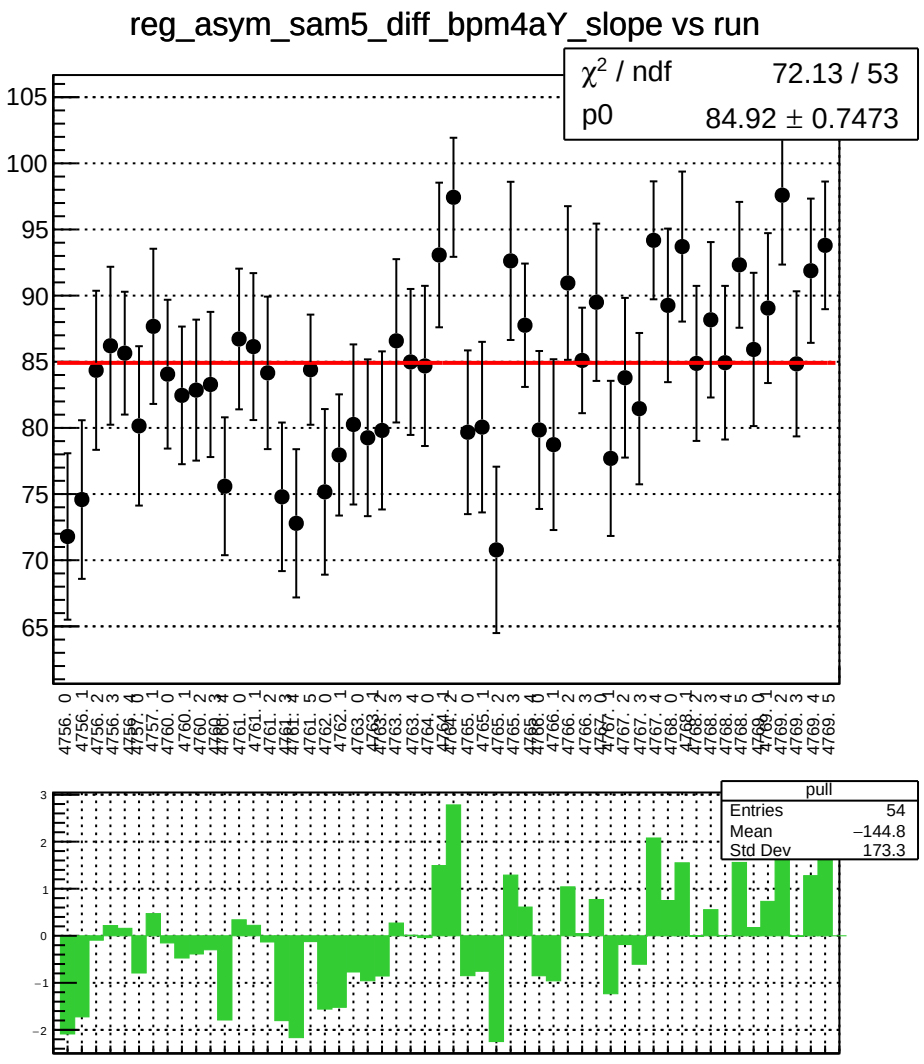

pull1D
Entries 54
Mean 0.0121
Std Dev 0.702

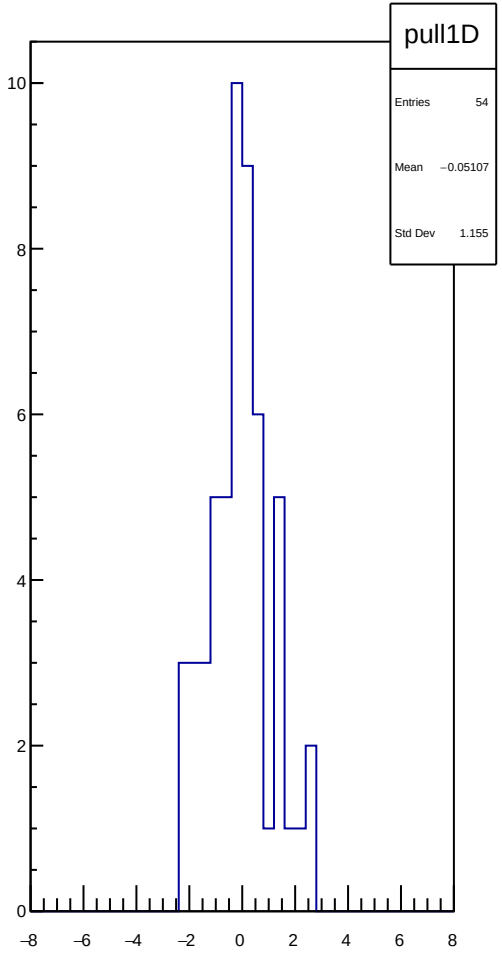

reg_asym_sam4_diff_bpm11X_slope vs run
χ² / ndf 30.66 / 53
p0 18.82 ± 2.02
pull
Entries 54
Mean −734
Std Dev 759.8

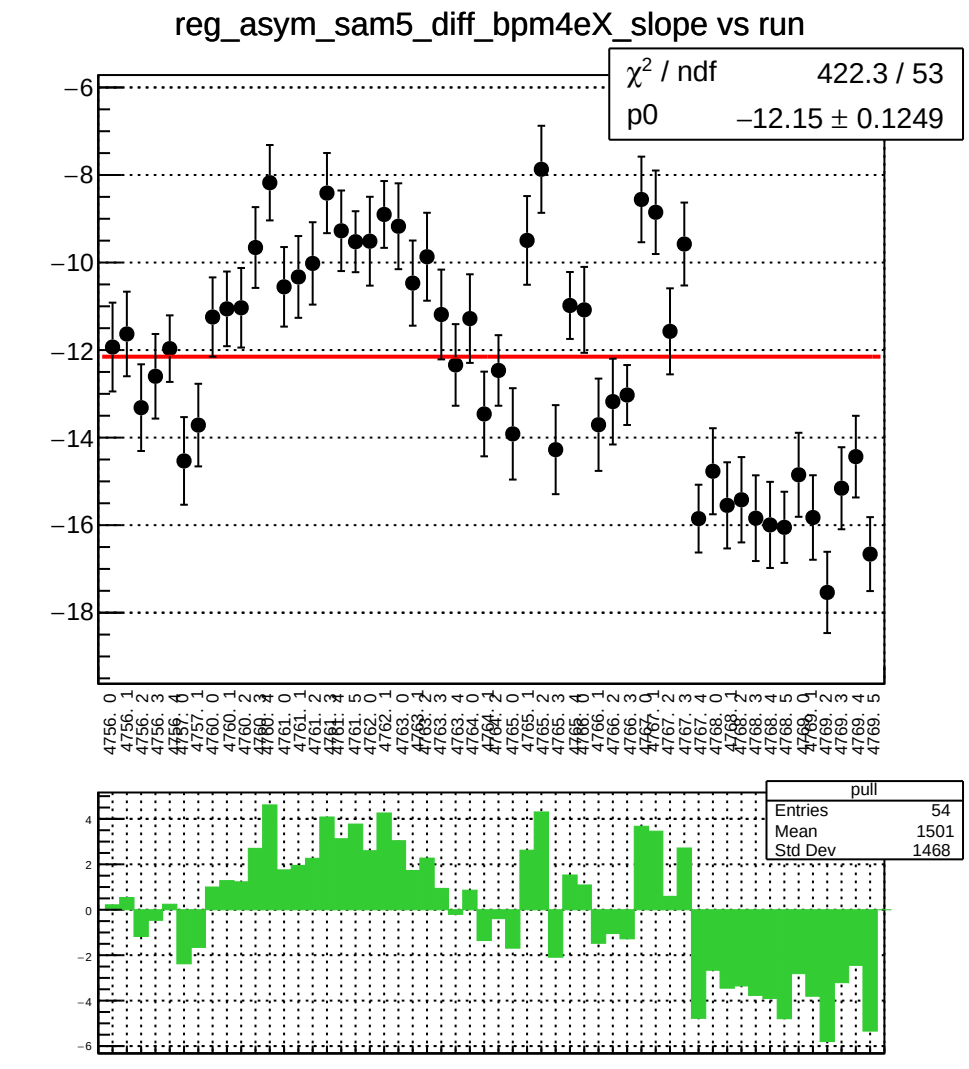

pull1D
Entries 54
Mean 0.00663
Std Dev 0.7535

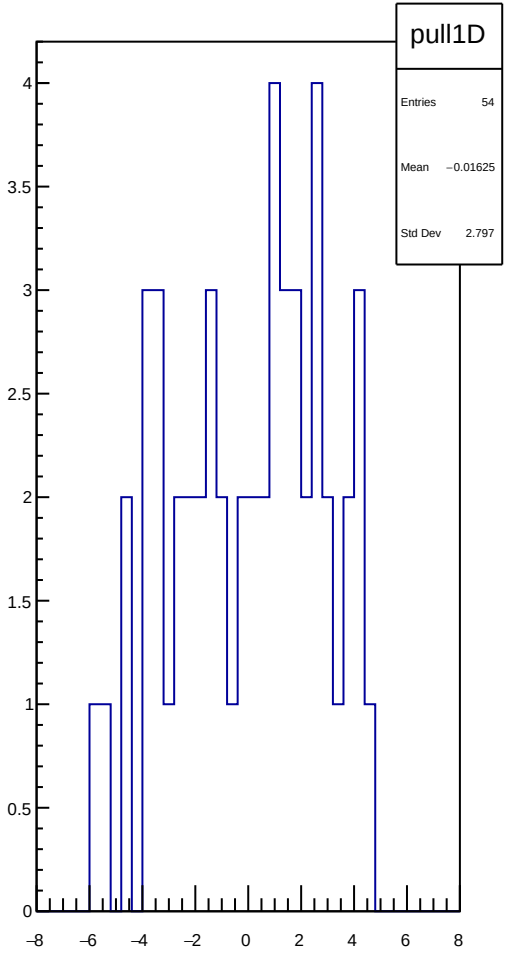

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 322.2 / 53
p0 74.15 ± 0.6148
pull
Entries 54
Mean 833.1
Std Dev 821.1

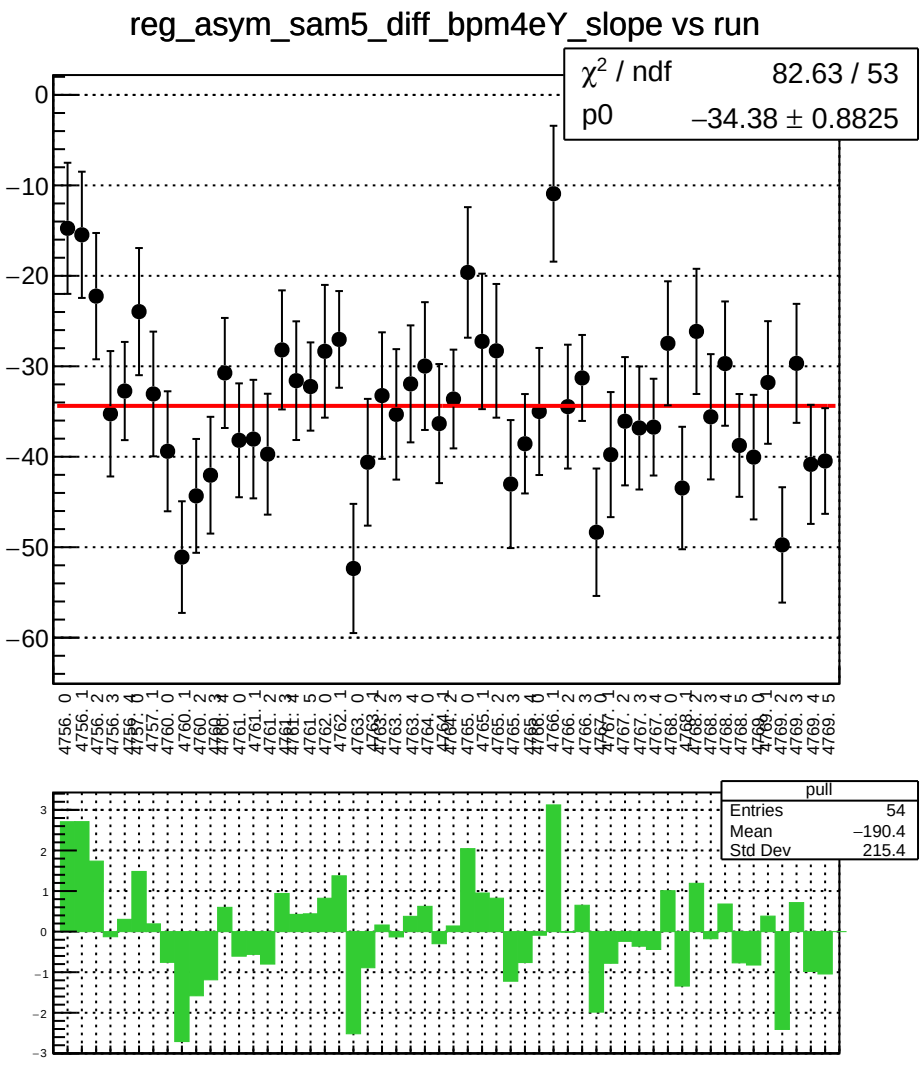

pull1D
Entries 54
Mean −0.00896
Std Dev 2.443

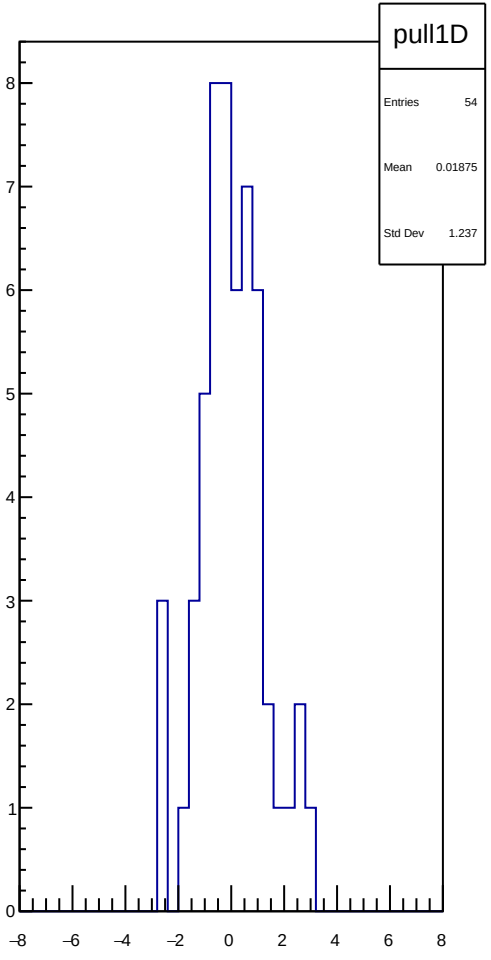

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 72.13 / 53
p0 84.92 ± 0.7473
pull
Entries 54
Mean −144.8
Std Dev 173.3

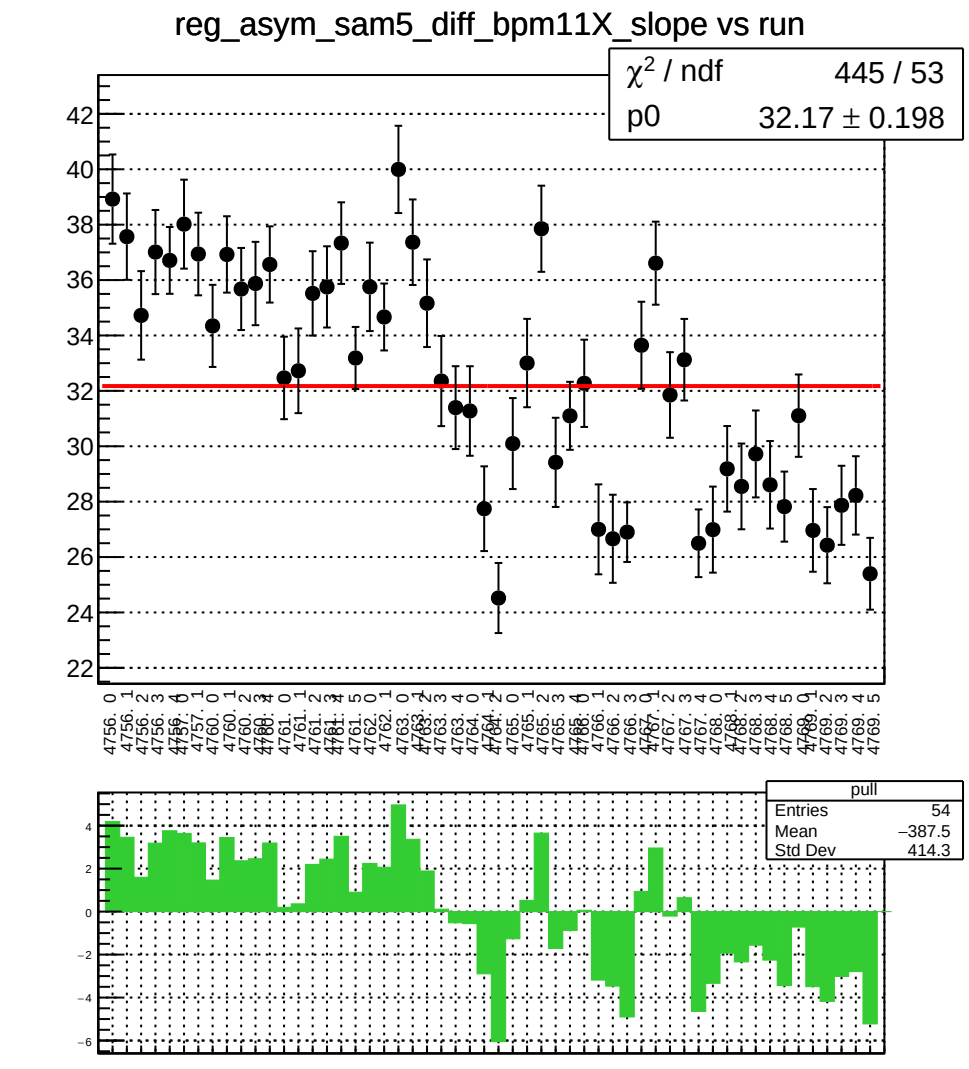

pull1D
Entries 54
Mean −0.05107
Std Dev 1.155

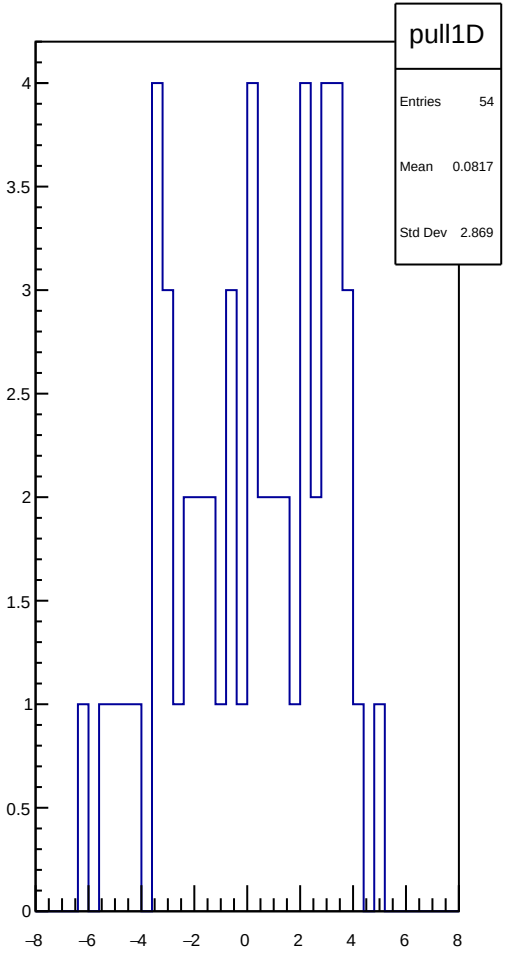

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 422.3 / 53
p0 −12.15 ± 0.1249
pull
Entries 54
Mean 1501
Std Dev 1468

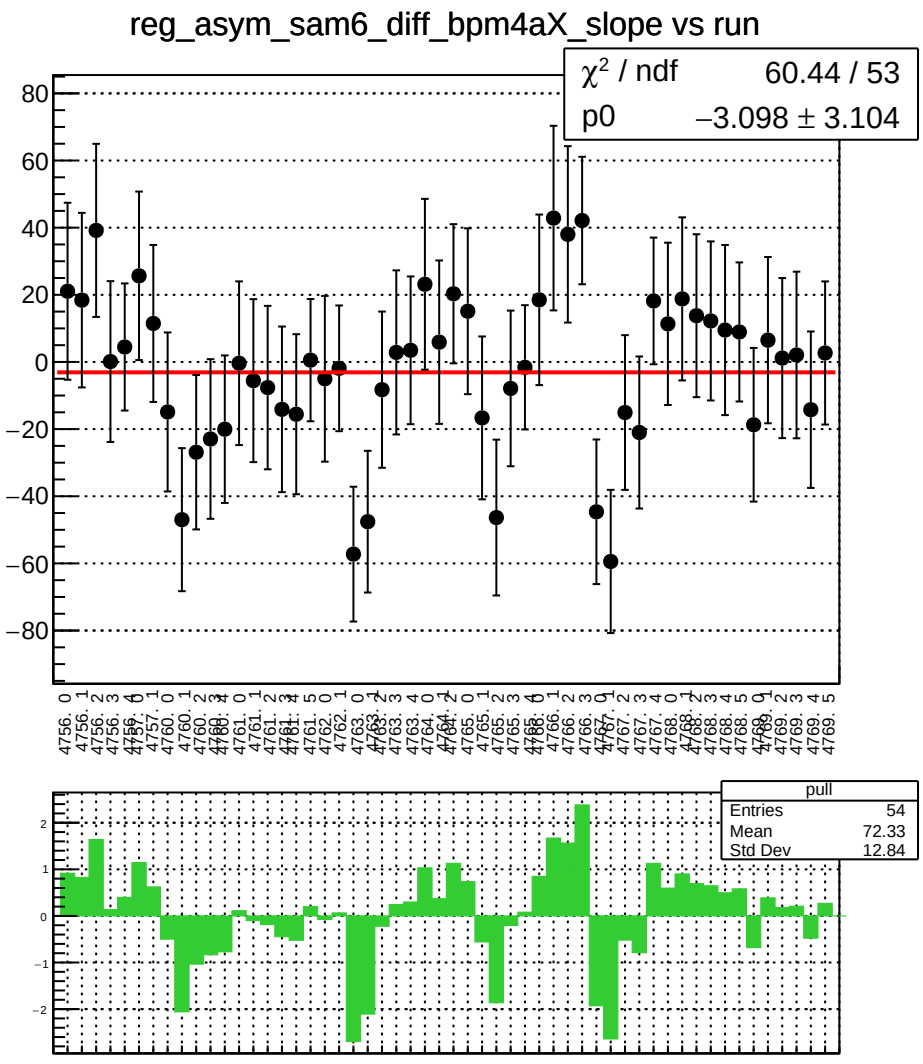

pull1D
Entries 54
Mean −0.01625
Std Dev 2.797

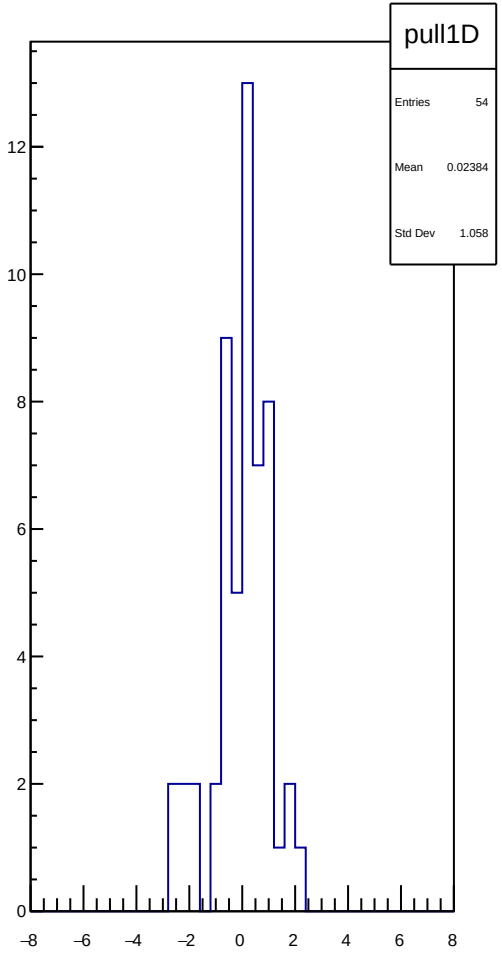

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 82.63 / 53
p0 −34.38 ± 0.8825
pull
Entries 54
Mean −190.4
Std Dev 215.4

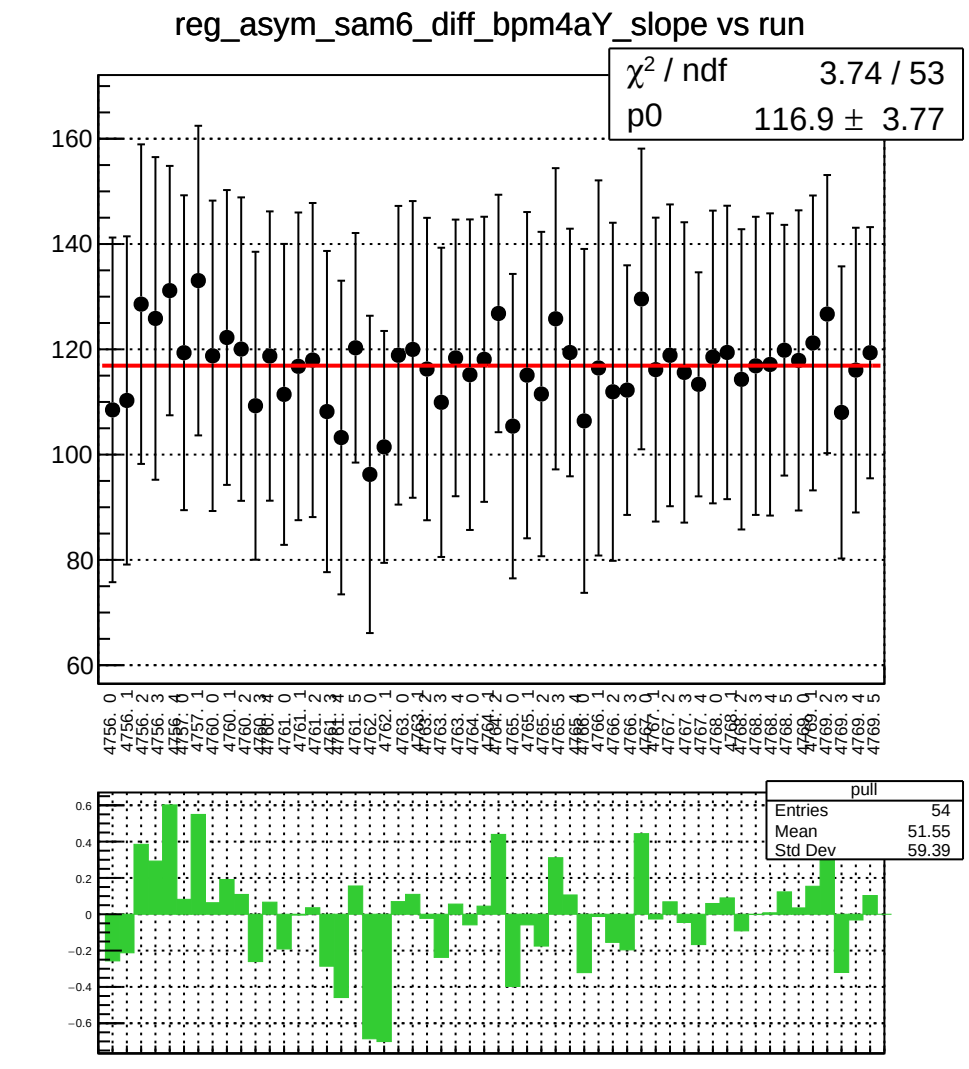

pull1D
Entries 54
Mean 0.01875
Std Dev 1.237

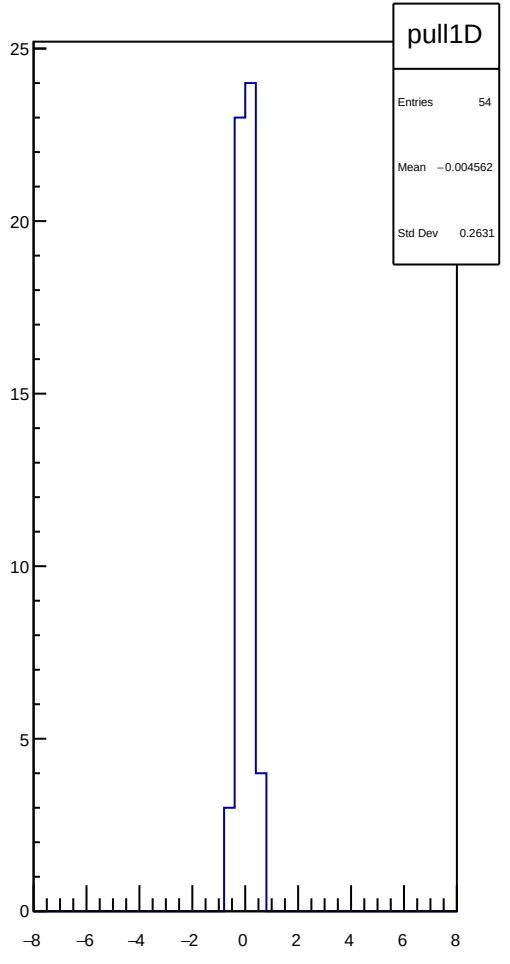

reg_asym_sam5_diff_bpm11X_slope vs run
χ² / ndf 445 / 53
p0 32.17 ± 0.198
pull
Entries 54
Mean −387.5
Std Dev 414.3

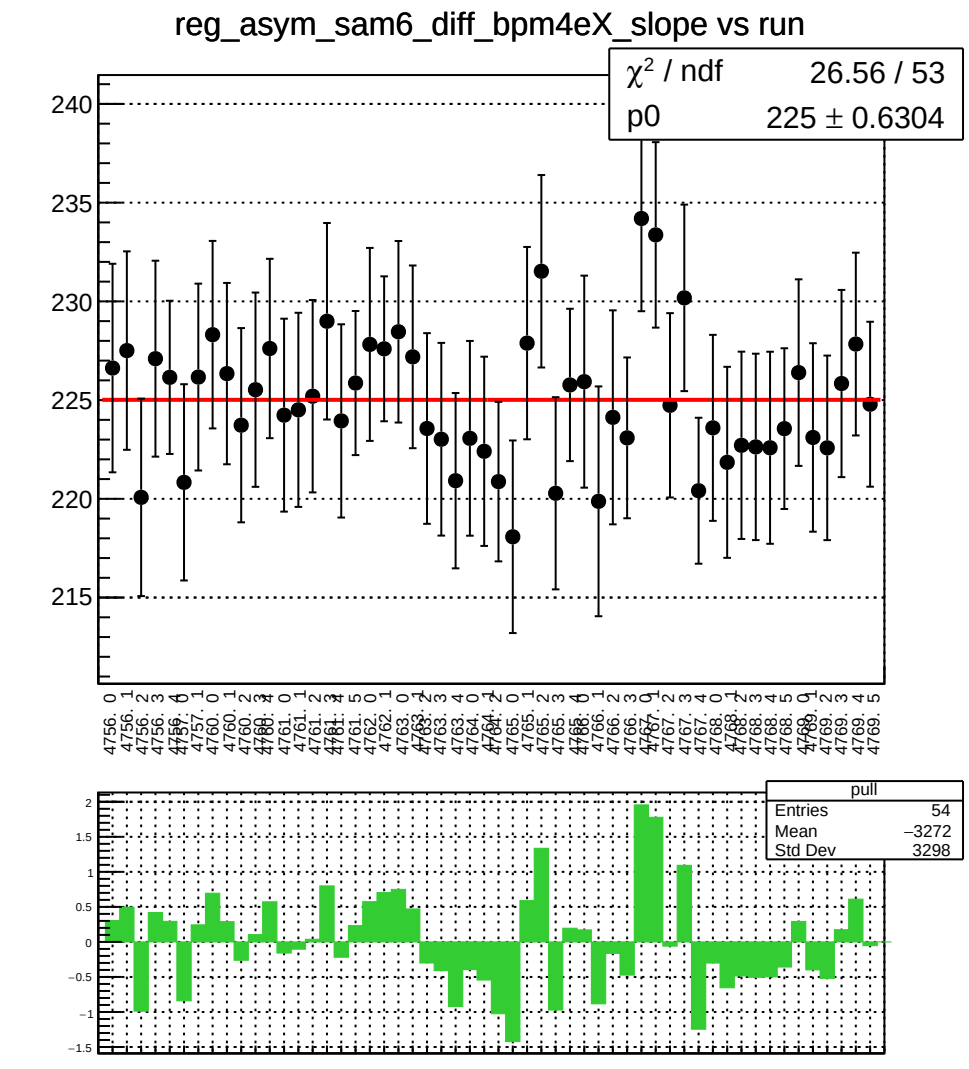

pull1D
Entries 54
Mean 0.0817
Std Dev 2.869

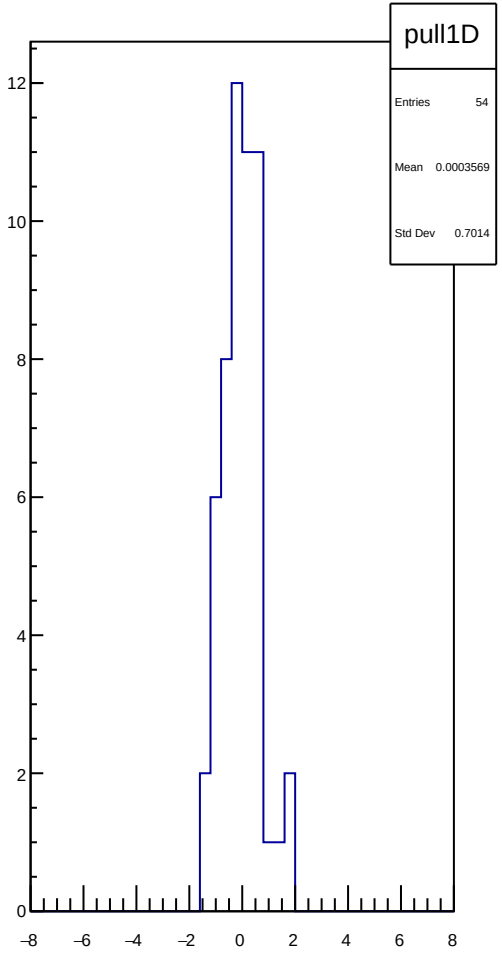

reg_asym_sam6_diff_bpm4aX_slope vs run
χ² / ndf 60.44 / 53
p0 −3.098 ± 3.104
pull
Entries 54
Mean 72.33
Std Dev 12.84

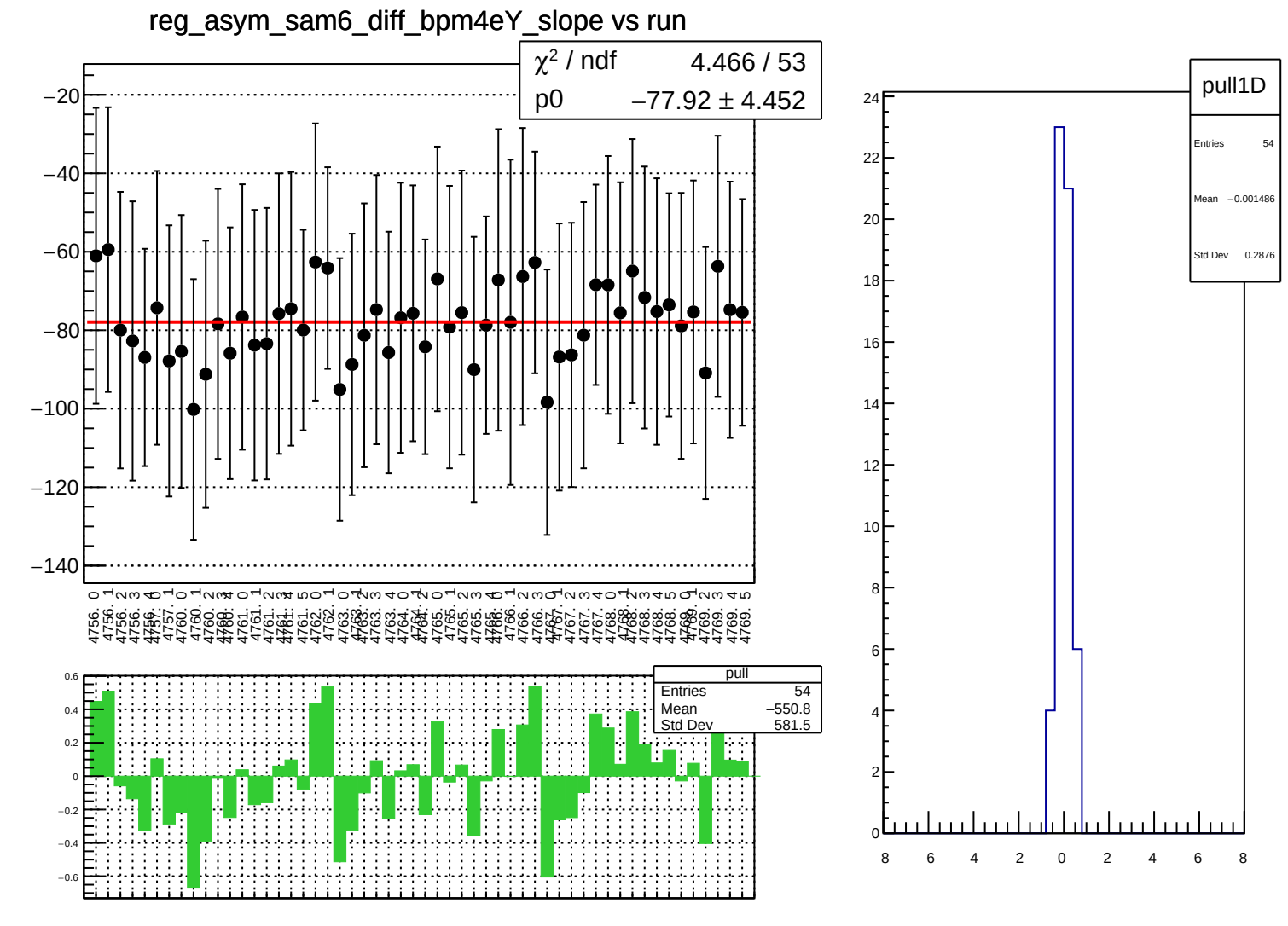

pull1D
Entries 54
Mean 0.02384
Std Dev 1.058

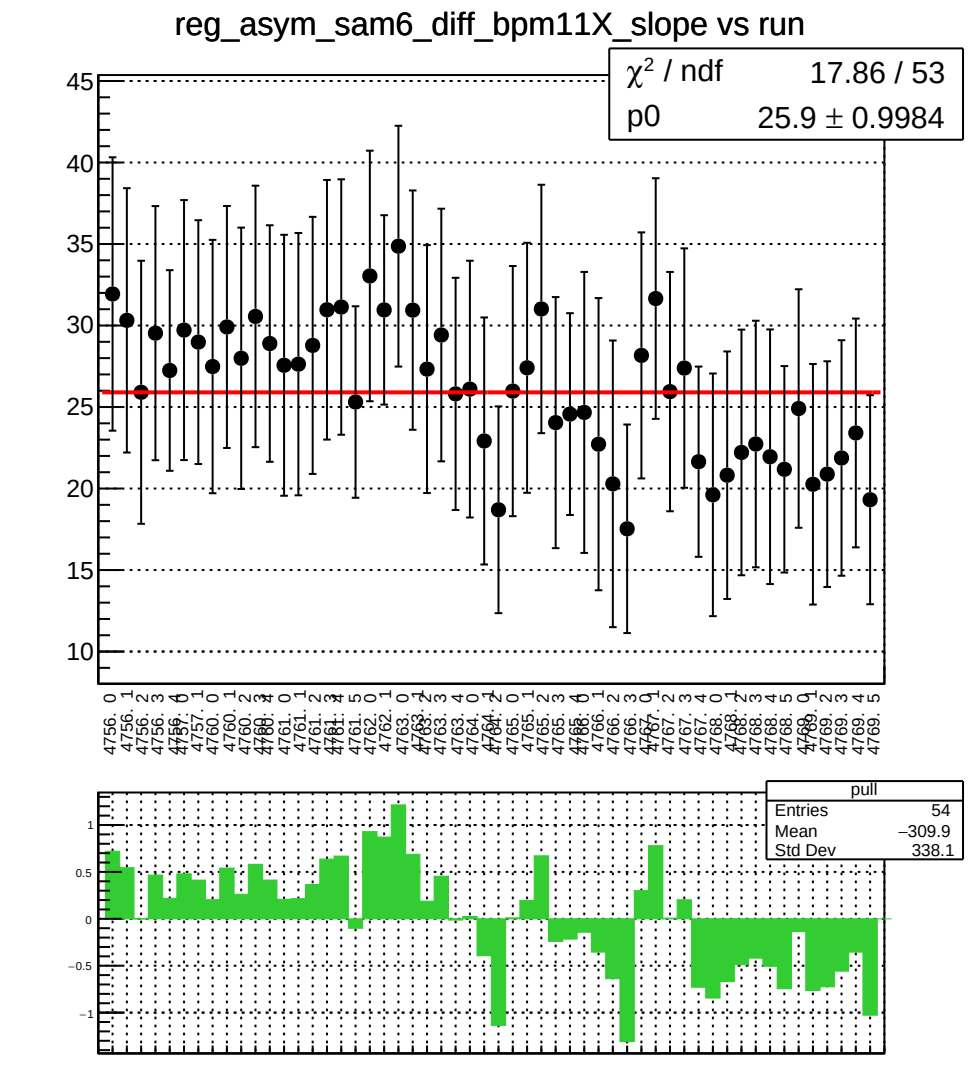

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 3.74 / 53
p0 116.9 ± 3.77
160
140
120
100
80
60
pull
Entries 54
Mean 51.55
Std Dev 59.39
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

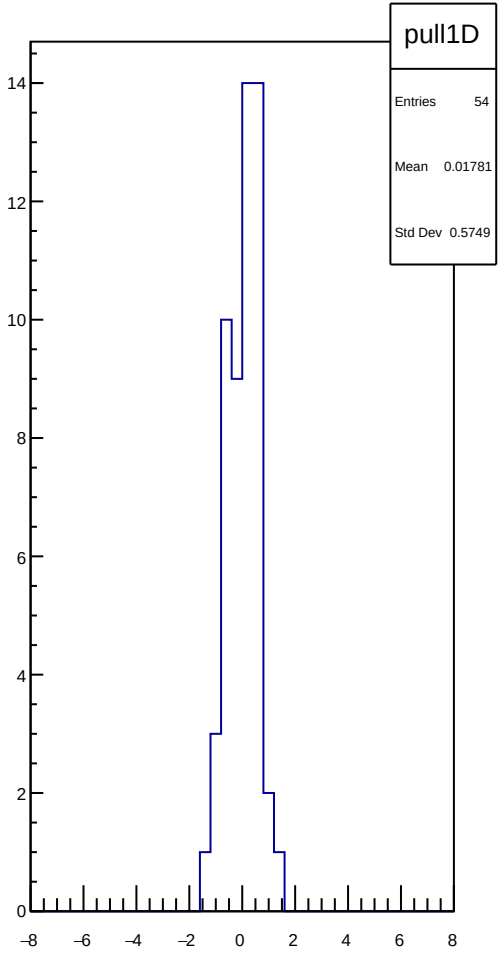

pull1D
Entries 54
Mean −0.004562
Std Dev 0.2631
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

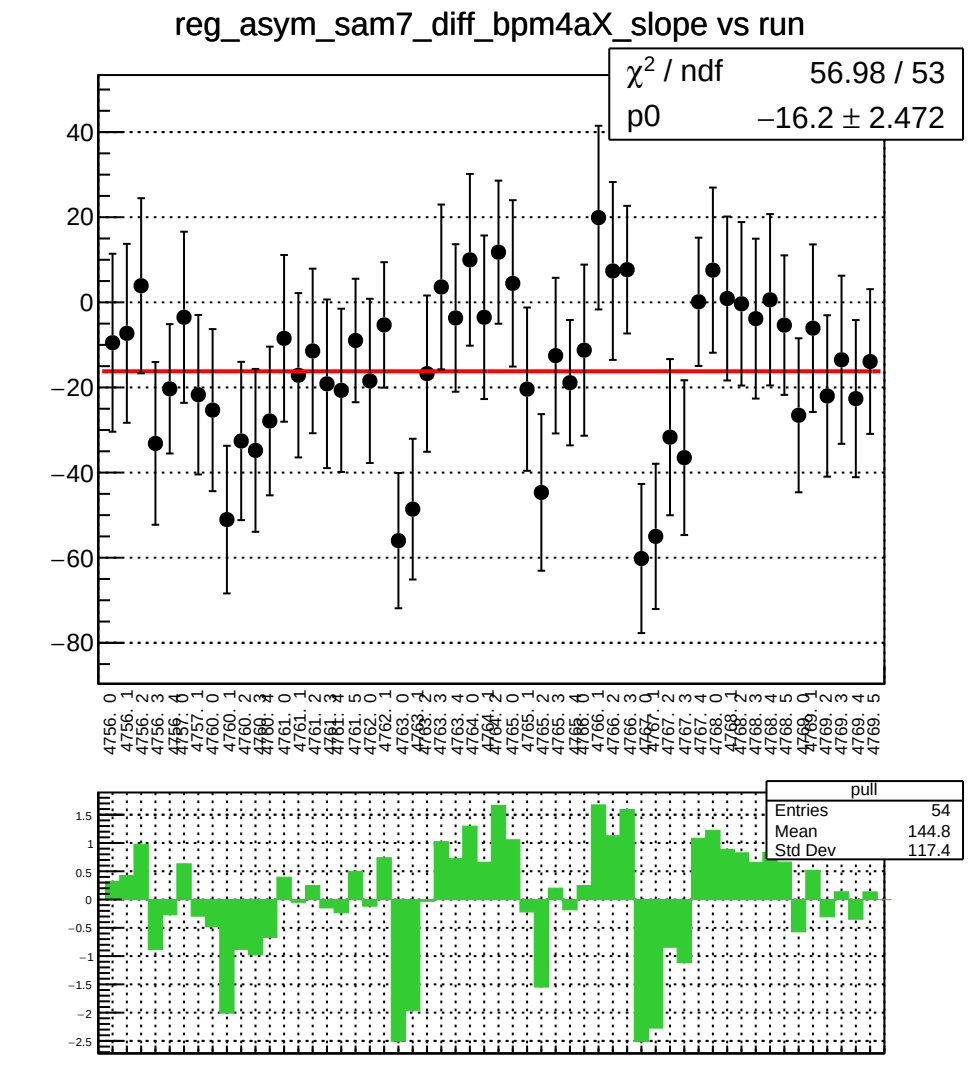

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 26.56 / 53
p0 225 ± 0.6304
240
235
230
225
220
215
pull
Entries 54
Mean −3272
Std Dev 3298
2
1.5
1
0.5
0
−0.5
−1
−1.5

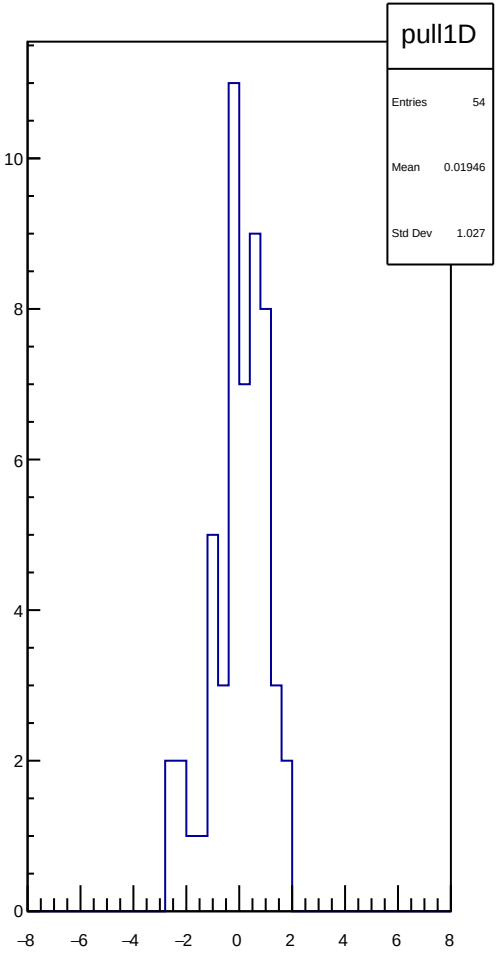

pull1D
Entries 54
Mean 0.0003569
Std Dev 0.7014
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

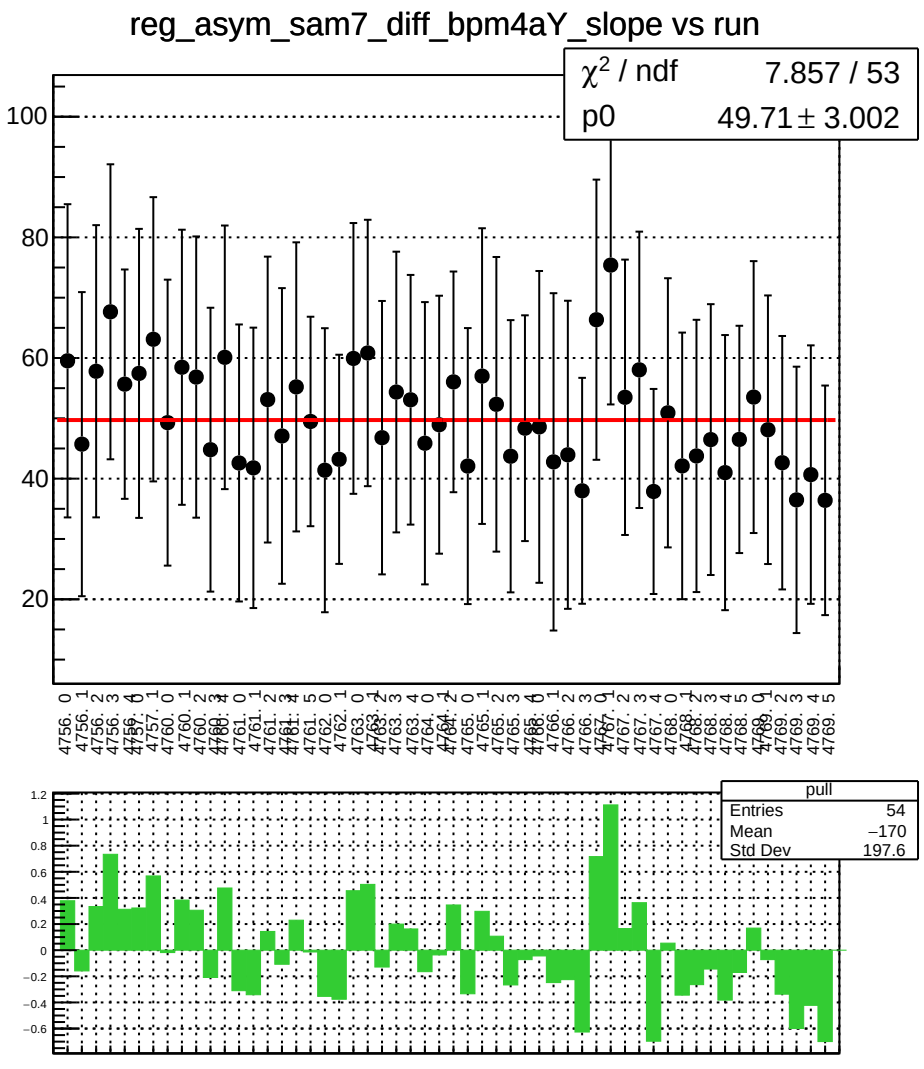

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 4.466 / 53
p0 −77.92 ± 4.452
pull
Entries 54
Mean −550.8
Std Dev 581.5
pull1D
Entries 54
Mean −0.001486
Std Dev 0.2876

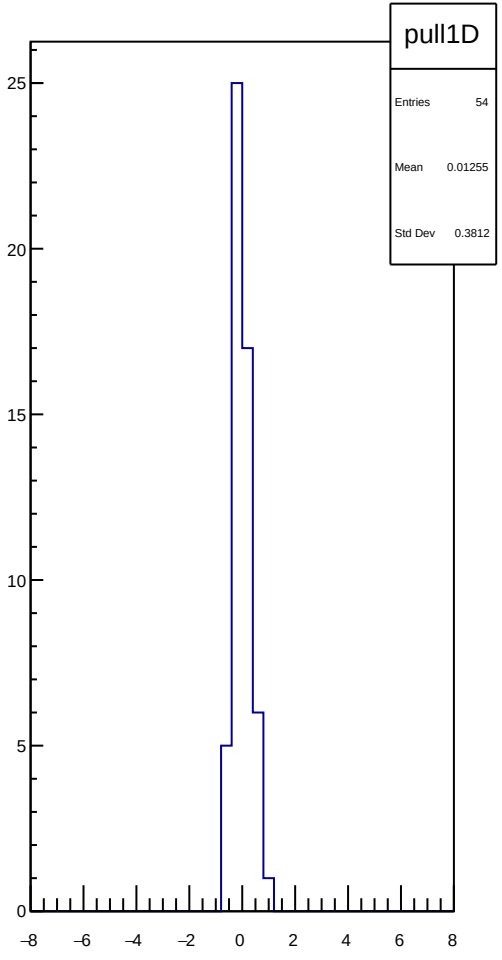

reg_asym_sam6_diff_bpm11X_slope vs run
χ² / ndf 17.86 / 53
p0 25.9 ± 0.9984
pull
Entries 54
Mean −309.9
Std Dev 338.1

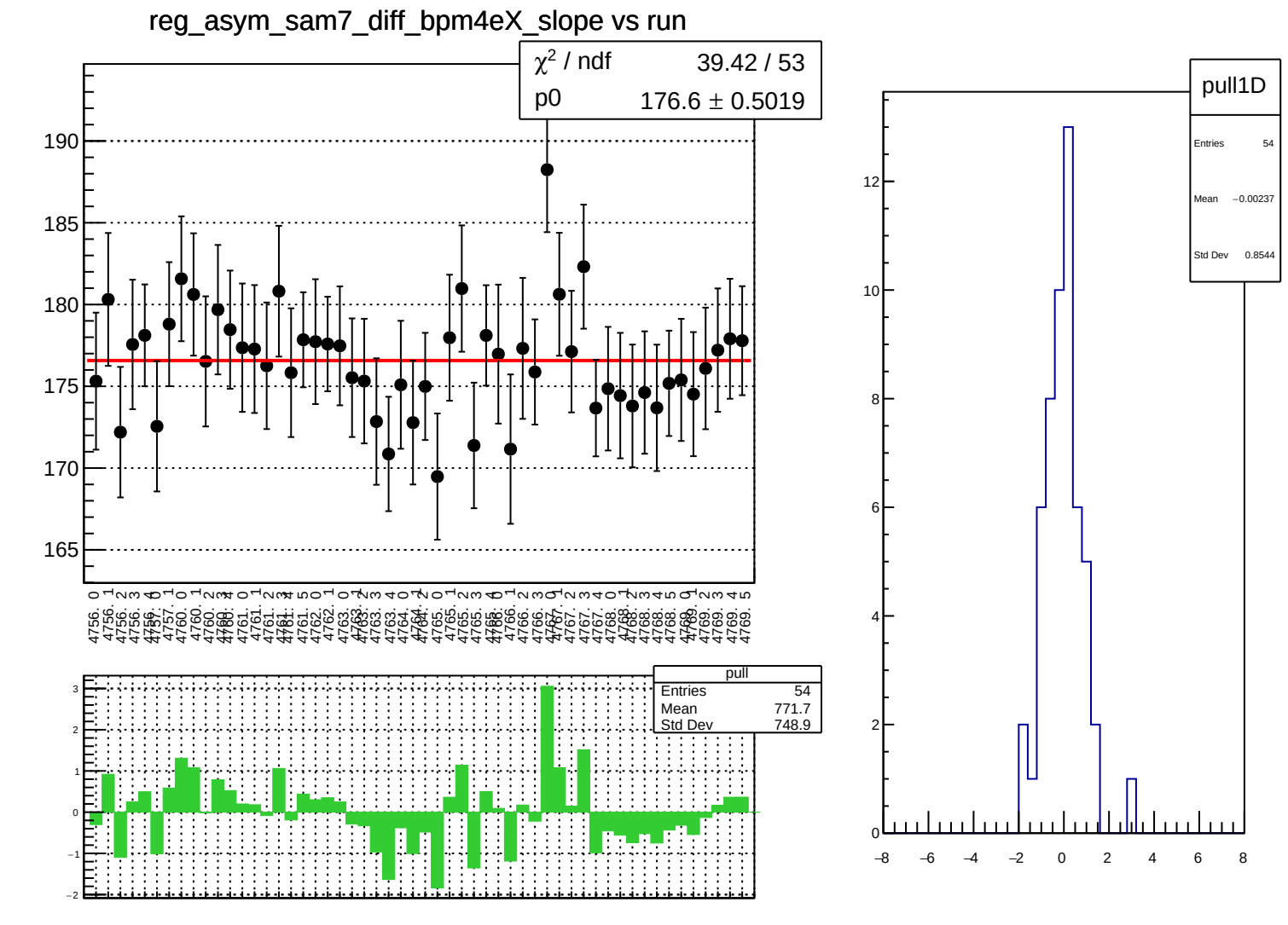

pull1D
Entries 54
Mean 0.01781
Std Dev 0.5749

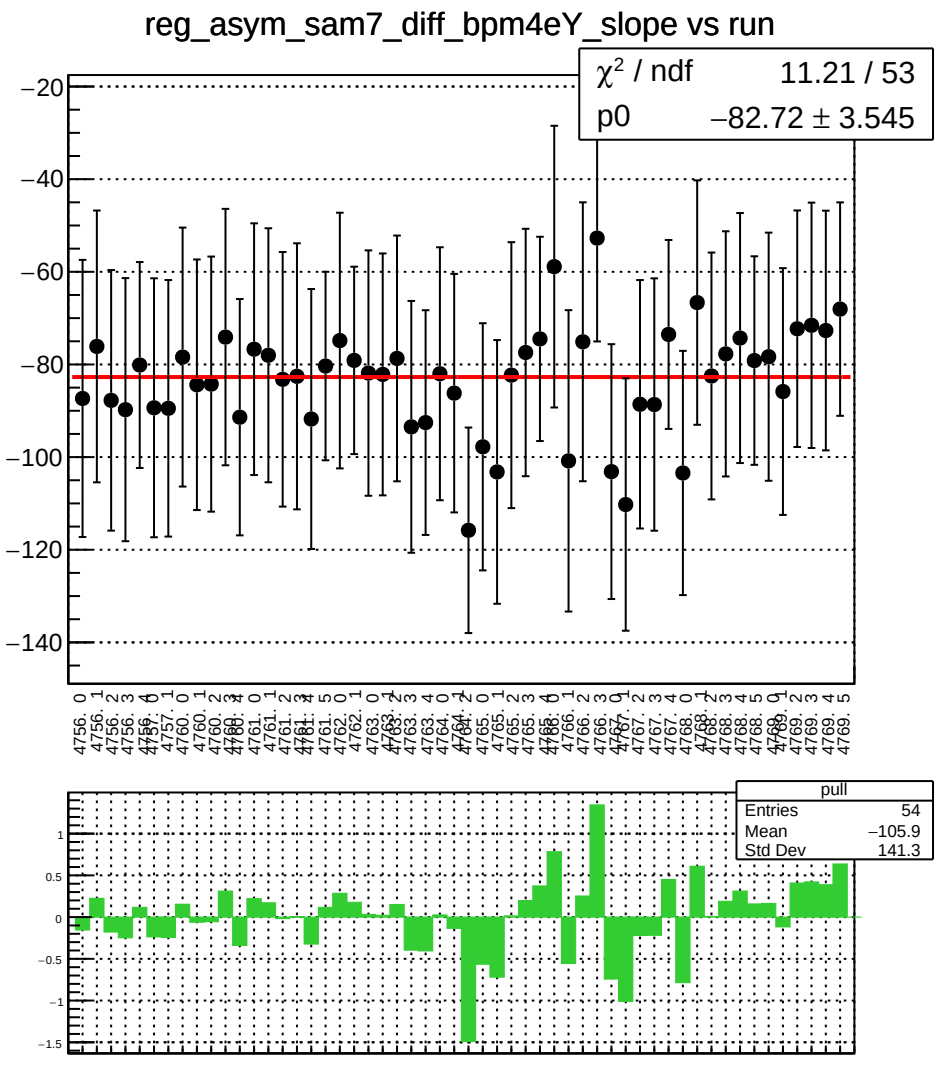

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 56.98 / 53
p0 −16.2 ± 2.472
pull
Entries 54
Mean 144.8
Std Dev 117.4

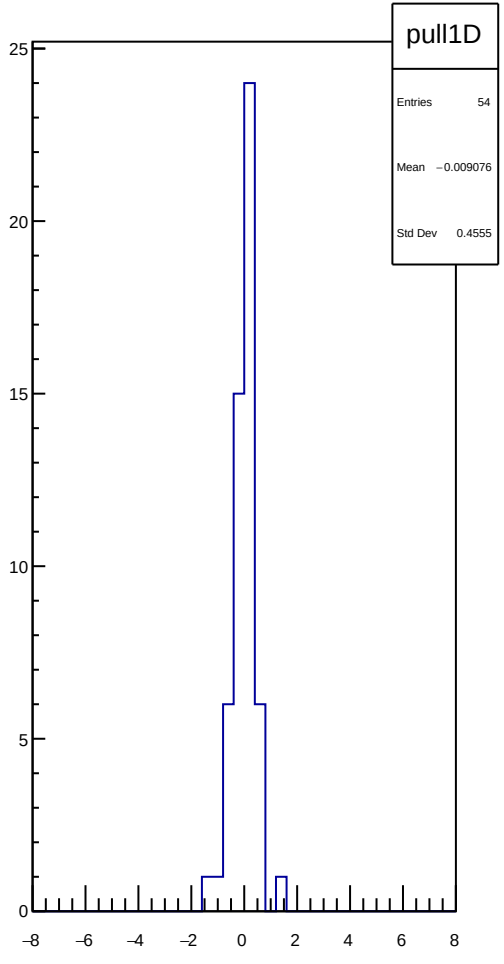

pull1D
Entries 54
Mean 0.01946
Std Dev 1.027

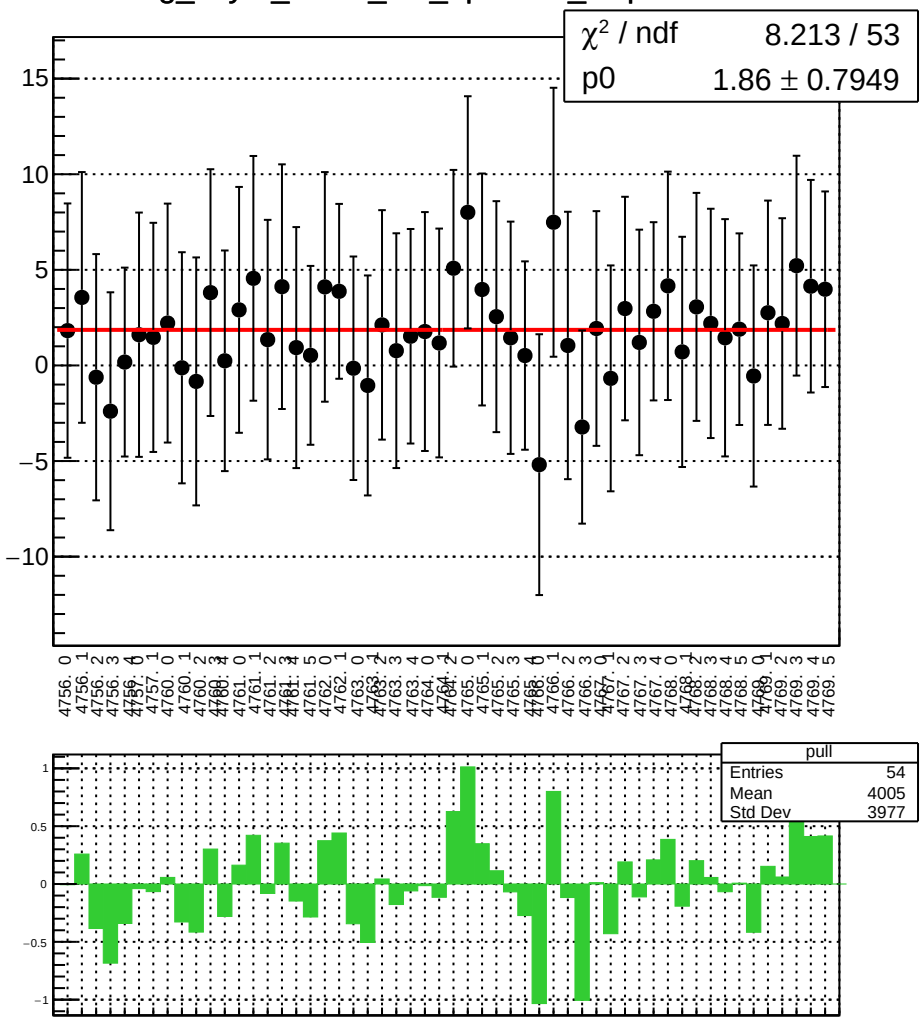

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 7.857 / 53
p0 49.71 ± 3.002
pull
Entries 54
Mean −170
Std Dev 197.6

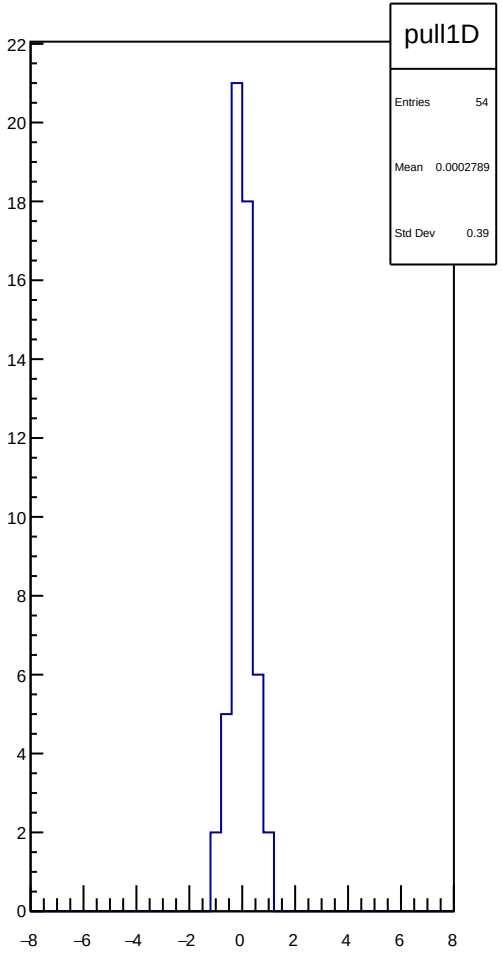

pull1D
Entries 54
Mean 0.01255
Std Dev 0.3812

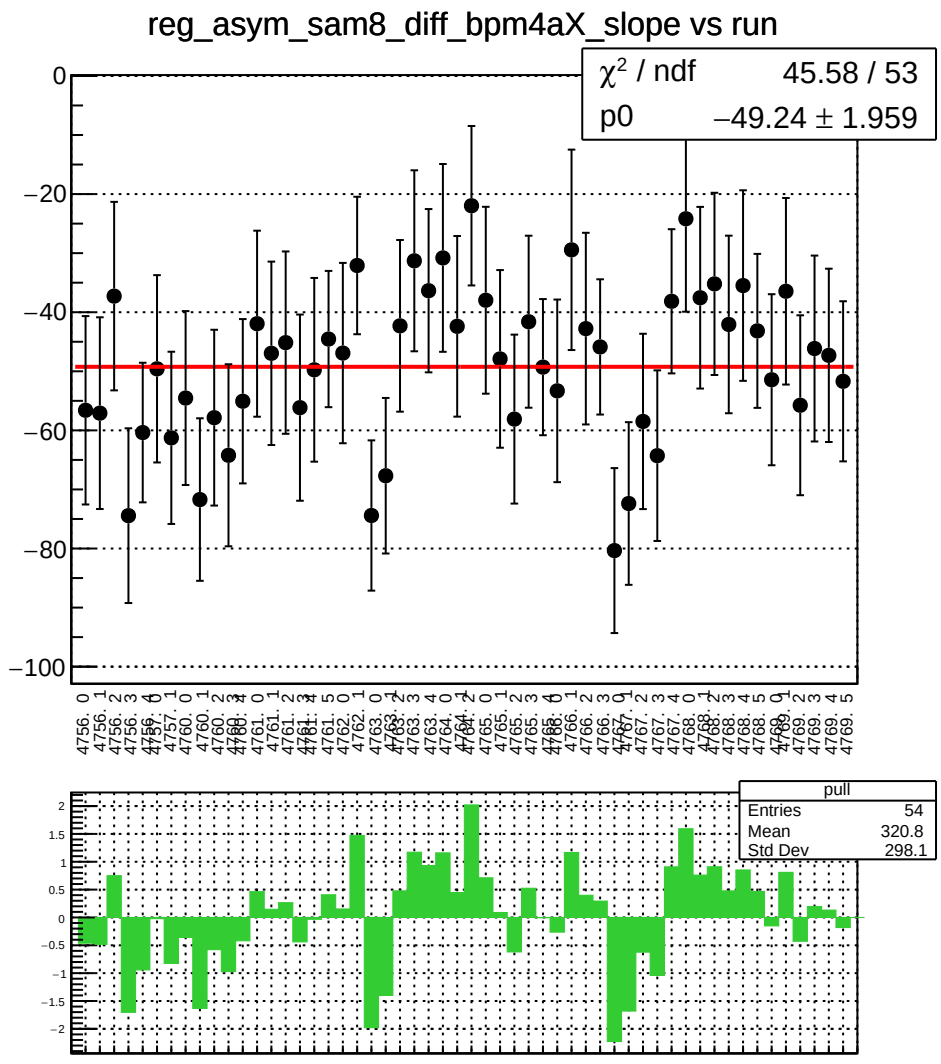

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 39.42 / 53
p0 176.6 ± 0.5019
190
185
180
175
170
165
pull
Entries 54
Mean 771.7
Std Dev 748.9
pull1D
Entries 54
Mean −0.00237
Std Dev 0.8544

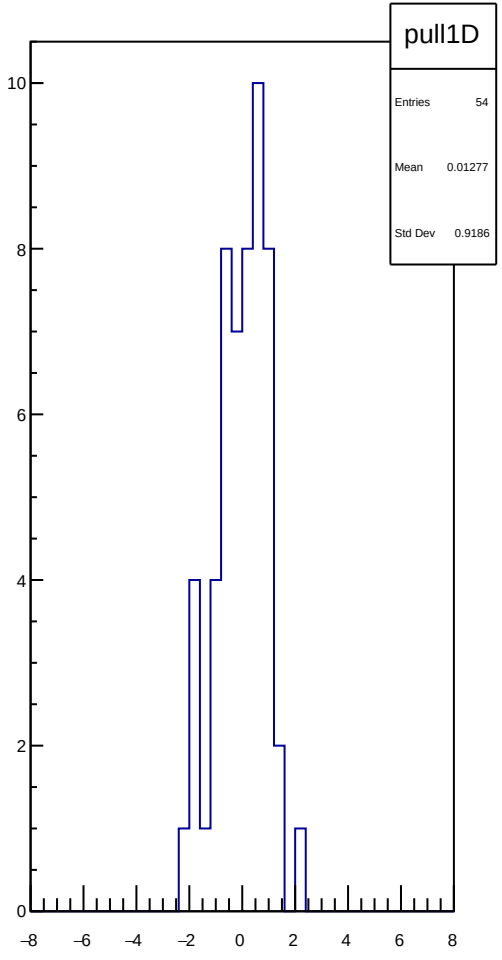

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 11.21 / 53
p0 −82.72 ± 3.545
pull
Entries 54
Mean −105.9
Std Dev 141.3

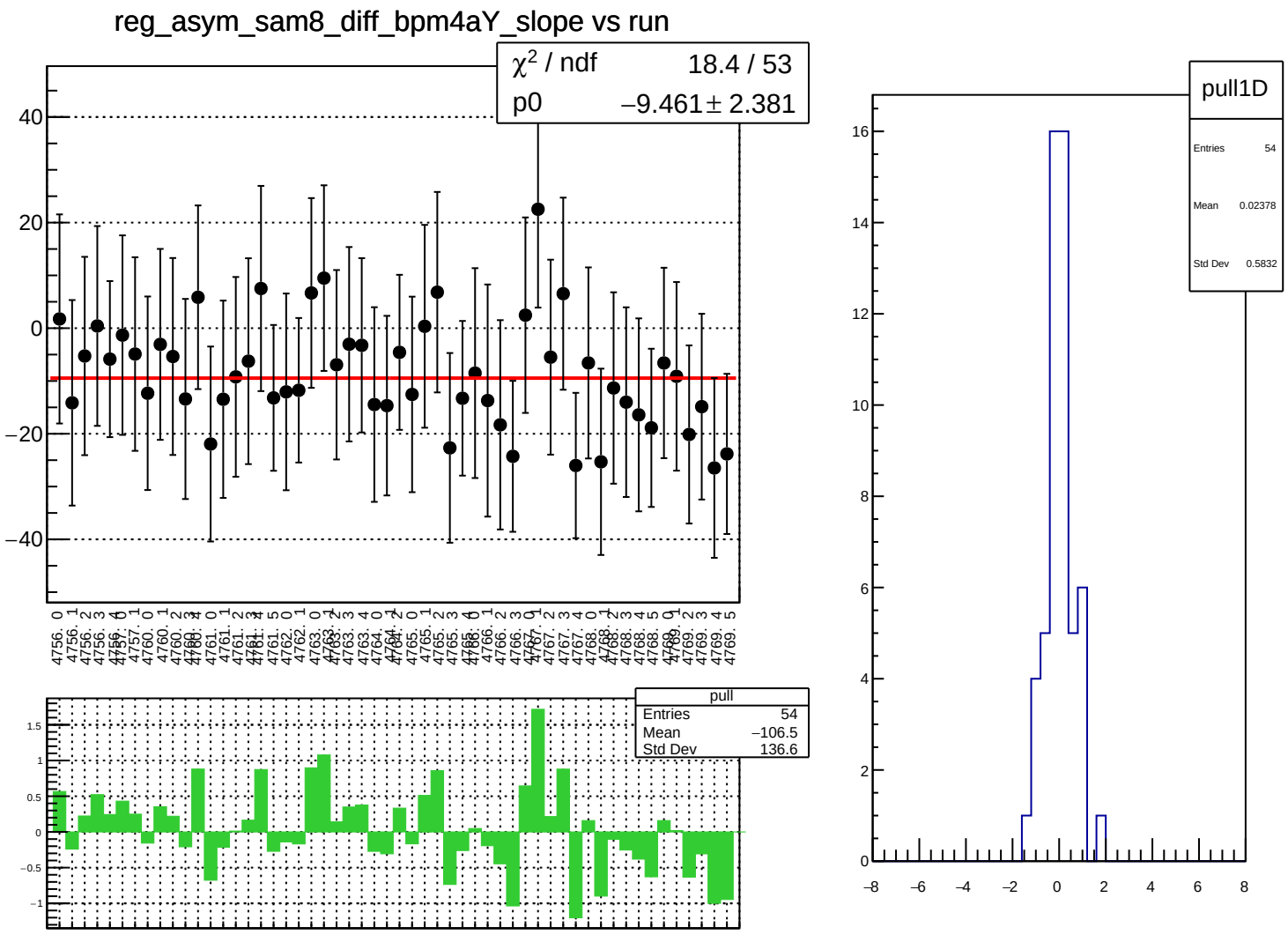

pull1D
Entries 54
Mean −0.009076
Std Dev 0.4555

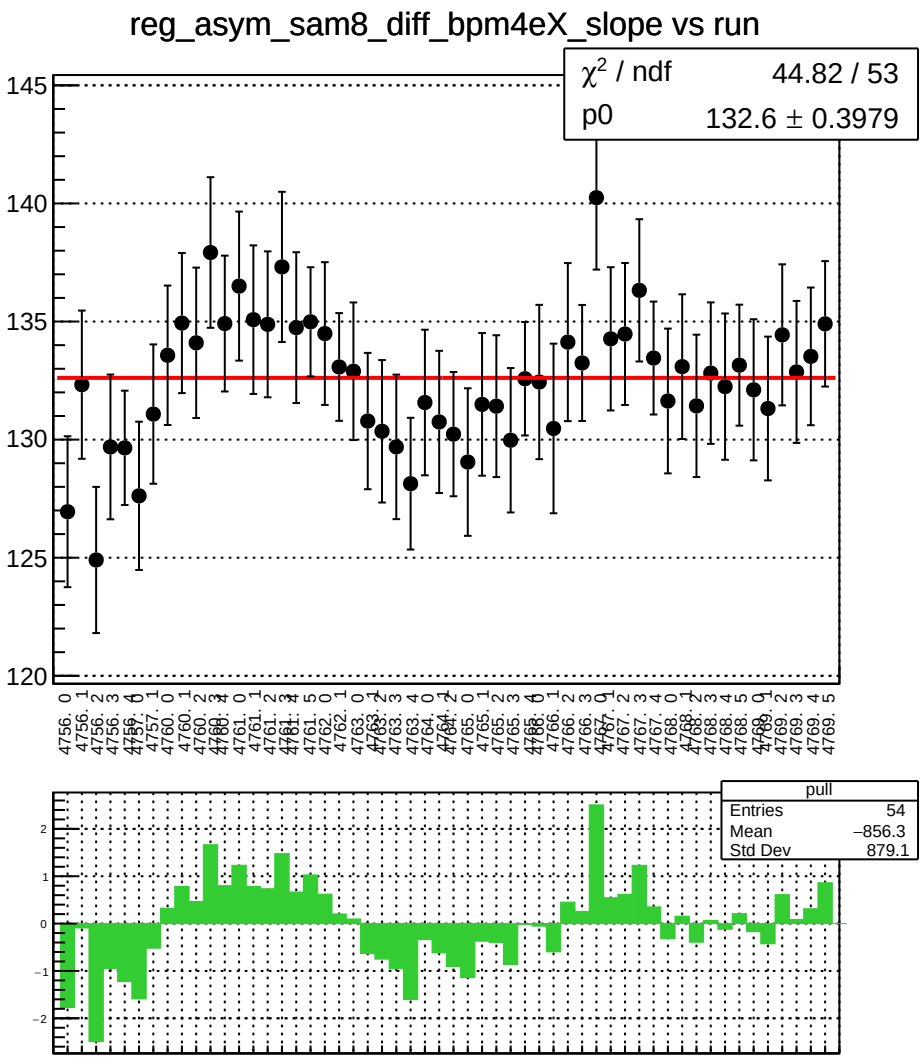

reg_asym_sam7_diff_bpm11X_slope vs run
χ² / ndf 8.213 / 53
p0 1.86 ± 0.7949
pull
Entries 54
Mean 4005
Std Dev 3977

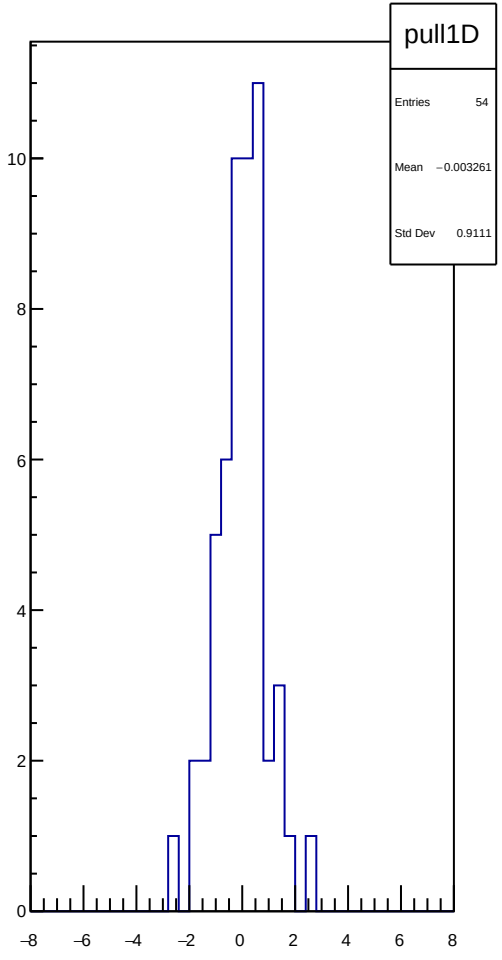

pull1D
Entries 54
Mean 0.0002789
Std Dev 0.39

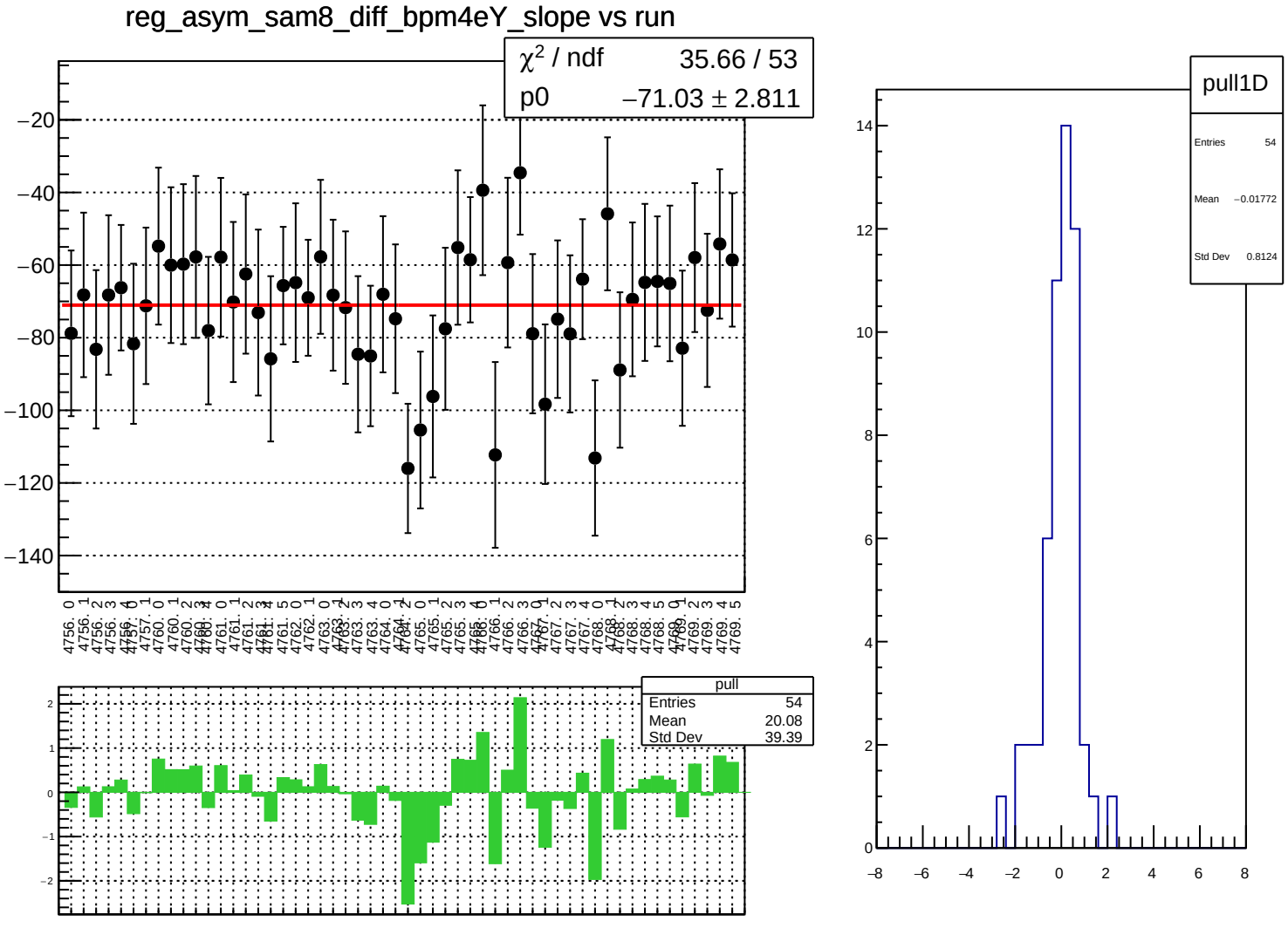

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 45.58 / 53
p0 −49.24 ± 1.959
pull
Entries 54
Mean 320.8
Std Dev 298.1

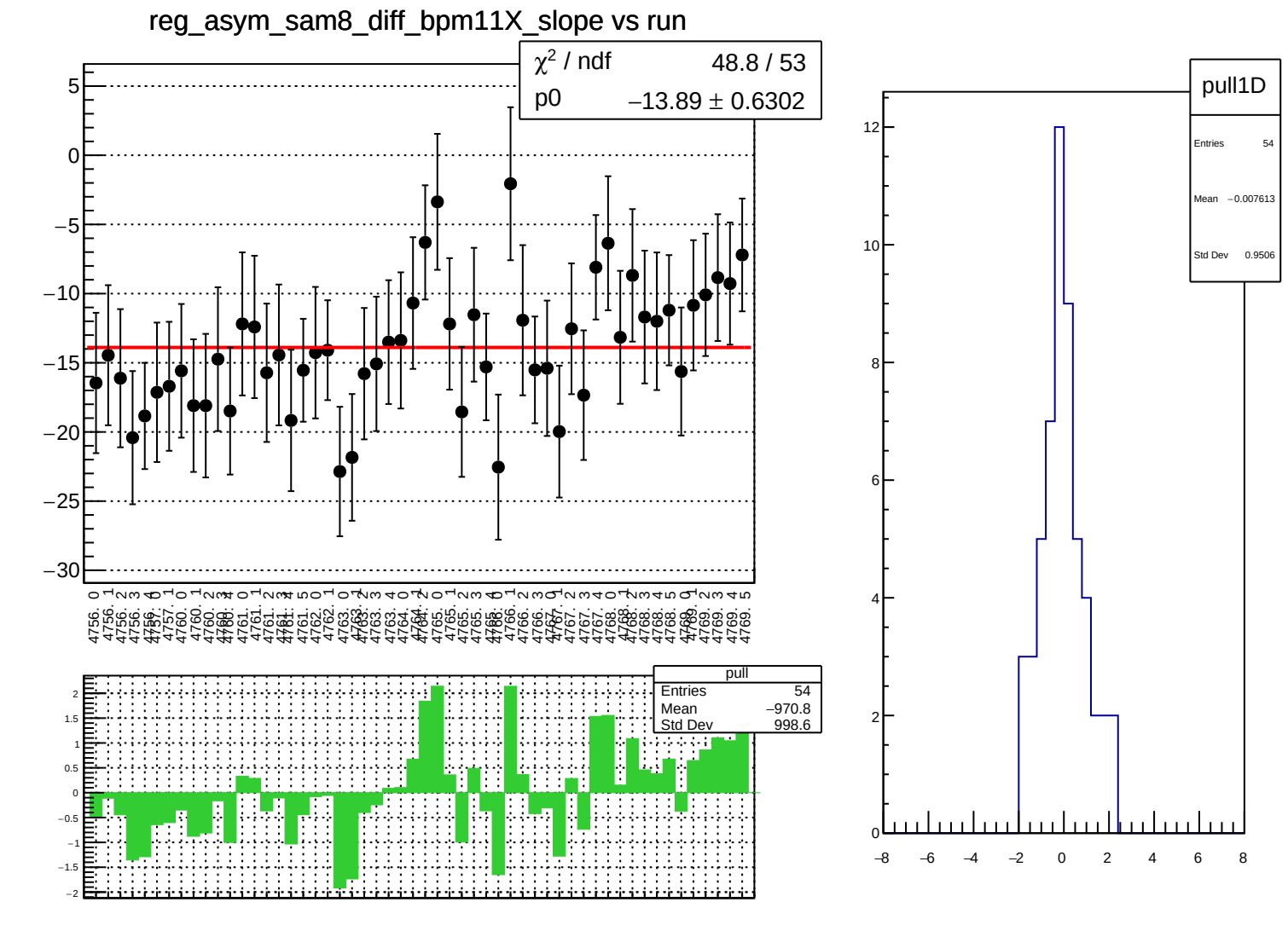

pull1D
Entries 54
Mean 0.01277
Std Dev 0.9186

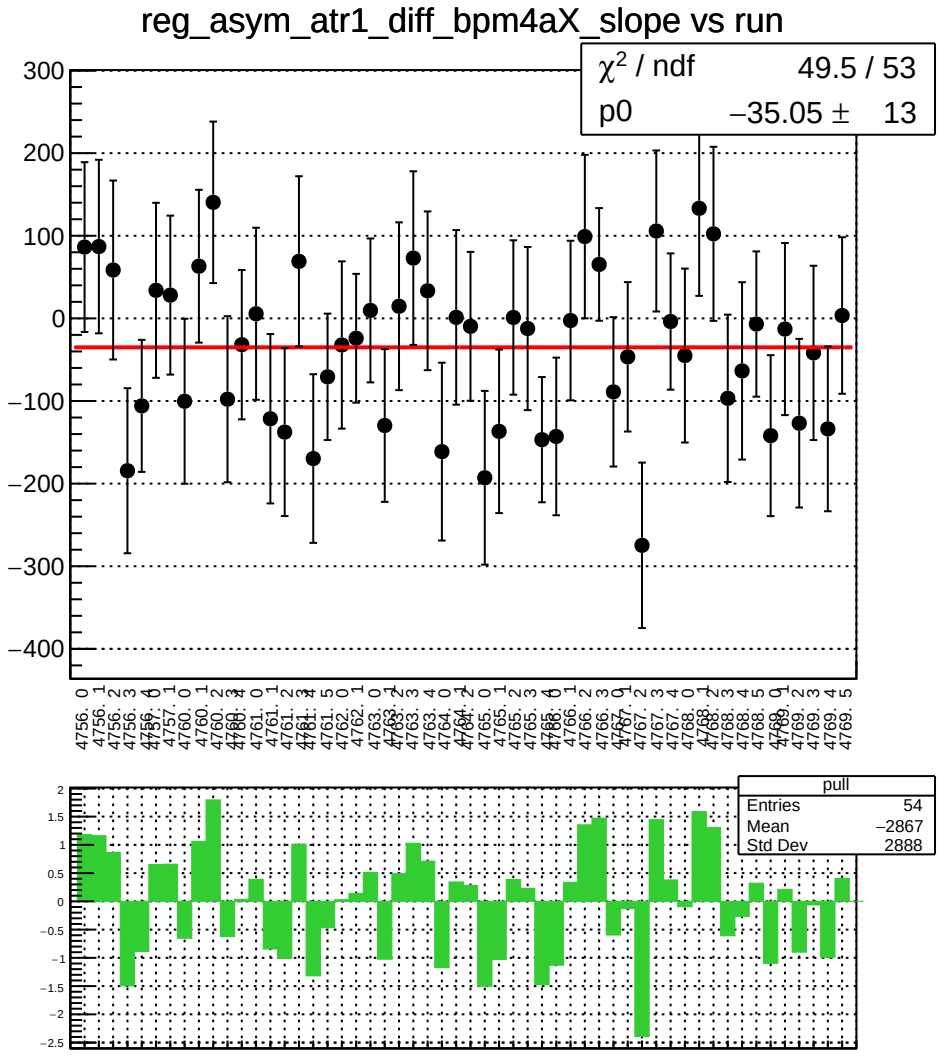

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 18.4 / 53
p0 −9.461 ± 2.381
pull
Entries 54
Mean −106.5
Std Dev 136.6
pull1D
Entries 54
Mean 0.02378
Std Dev 0.5832

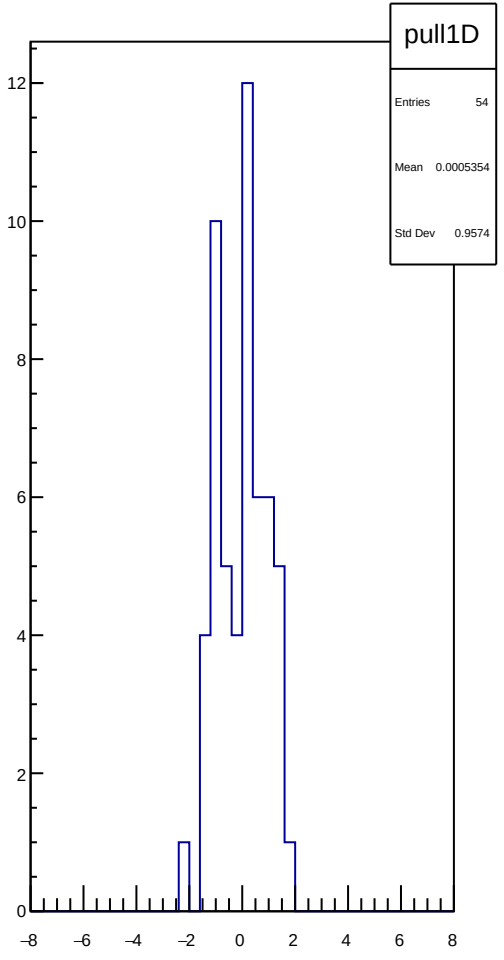

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 44.82 / 53
p0 132.6 ± 0.3979
145
140
135
130
125
120
pull
Entries 54
Mean −856.3
Std Dev 879.1
2
1
0
−1
−2

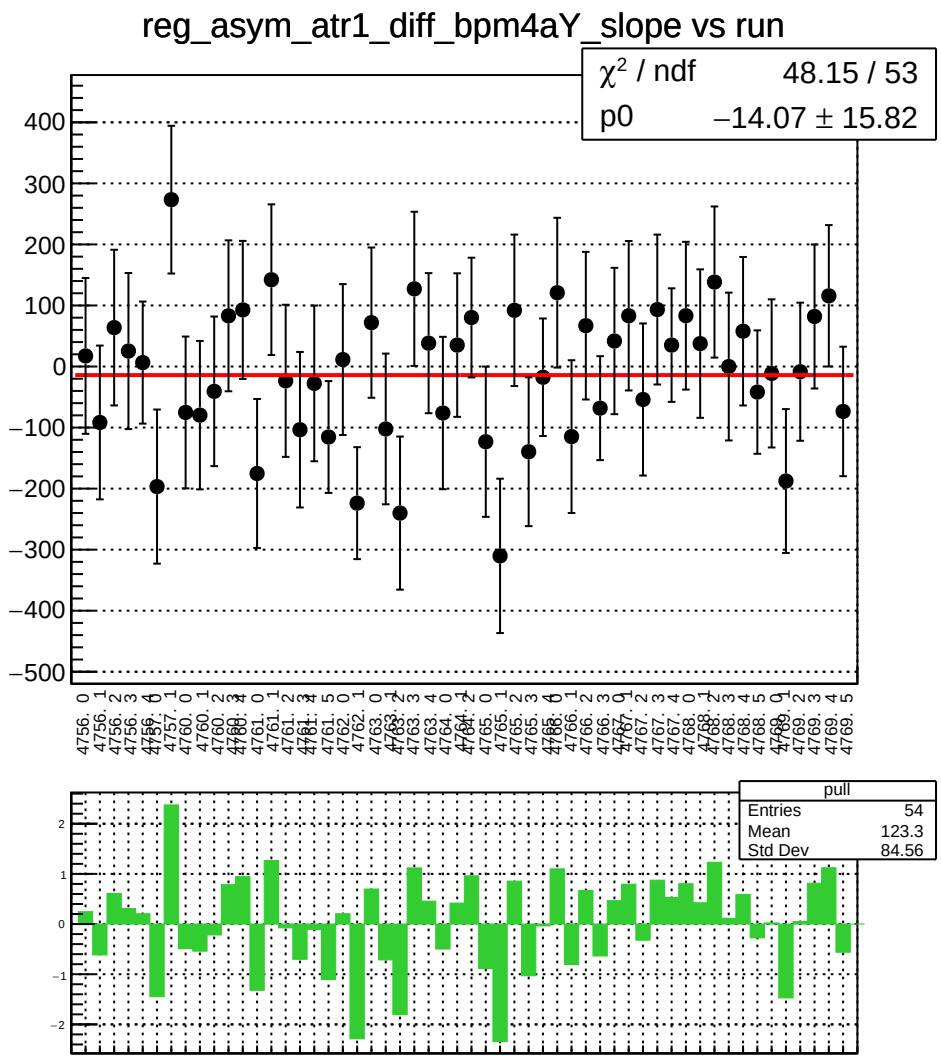

pull1D
Entries 54
Mean −0.003261
Std Dev 0.9111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

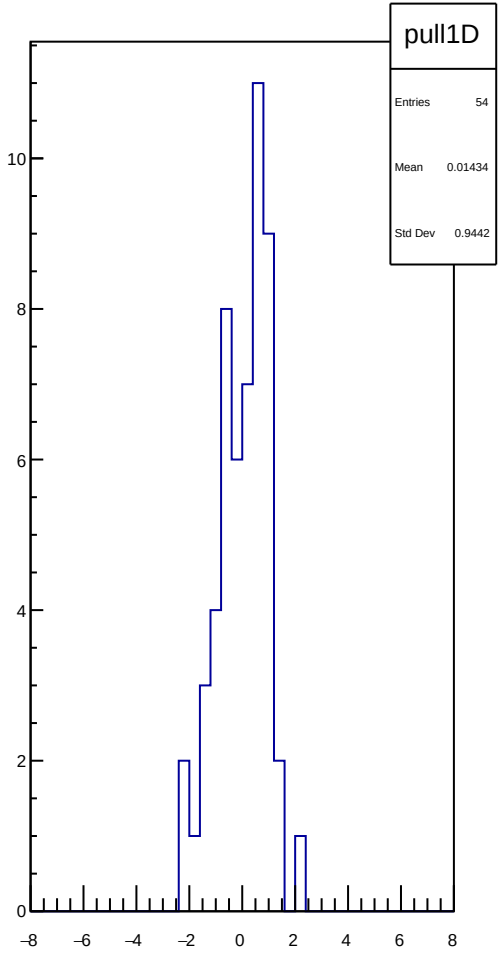

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 35.66 / 53
p0 −71.03 ± 2.811
pull
Entries 54
Mean 20.08
Std Dev 39.39
pull1D
Entries 54
Mean −0.01772
Std Dev 0.8124

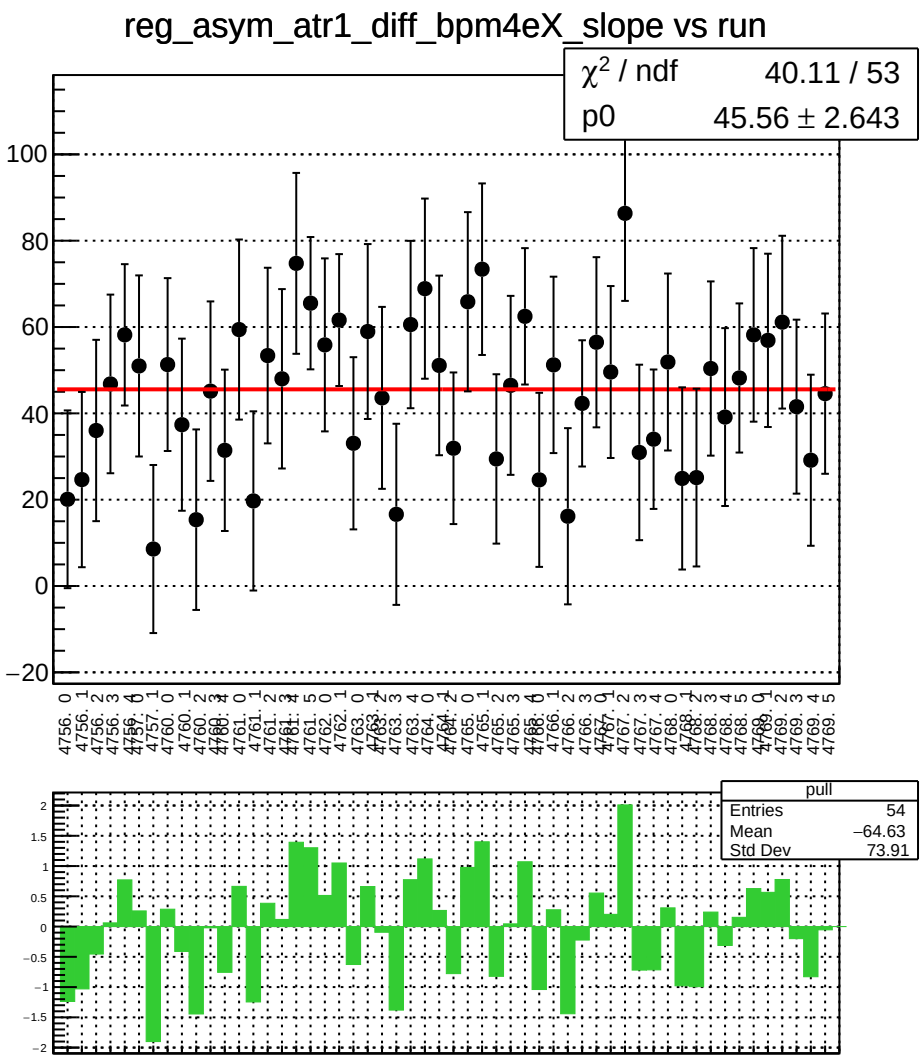

reg_asym_sam8_diff_bpm11X_slope vs run
χ² / ndf 48.8 / 53
p0 −13.89 ± 0.6302
pull
Entries 54
Mean −970.8
Std Dev 998.6
pull1D
Entries 54
Mean −0.007613
Std Dev 0.9506

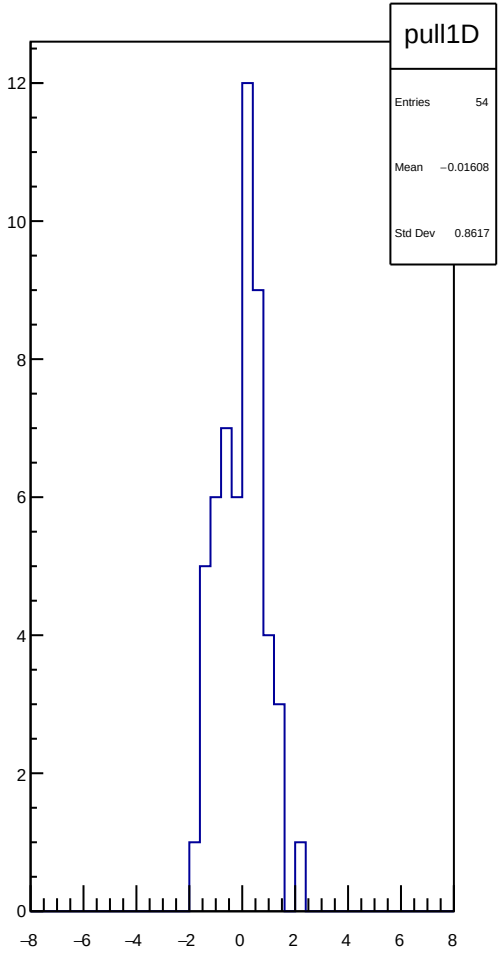

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 49.5 / 53
p0 −35.05 ± 13
pull
Entries 54
Mean −2867
Std Dev 2888

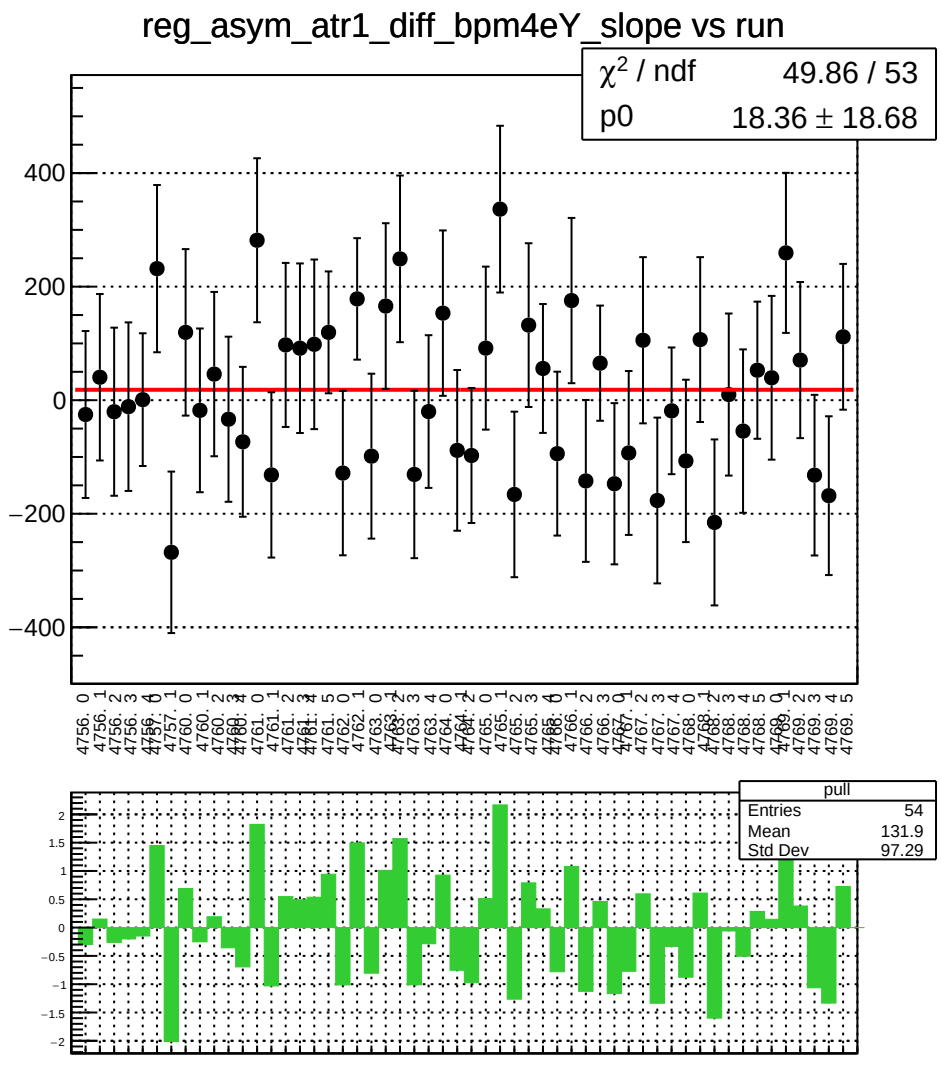

pull1D
Entries 54
Mean 0.0005354
Std Dev 0.9574

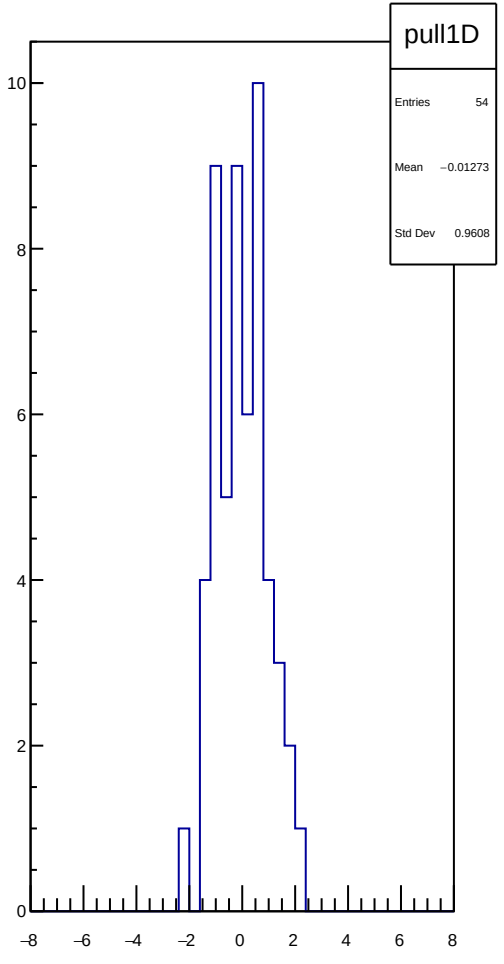

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 48.15 / 53
p0 −14.07 ± 15.82
pull
Entries 54
Mean 123.3
Std Dev 84.56

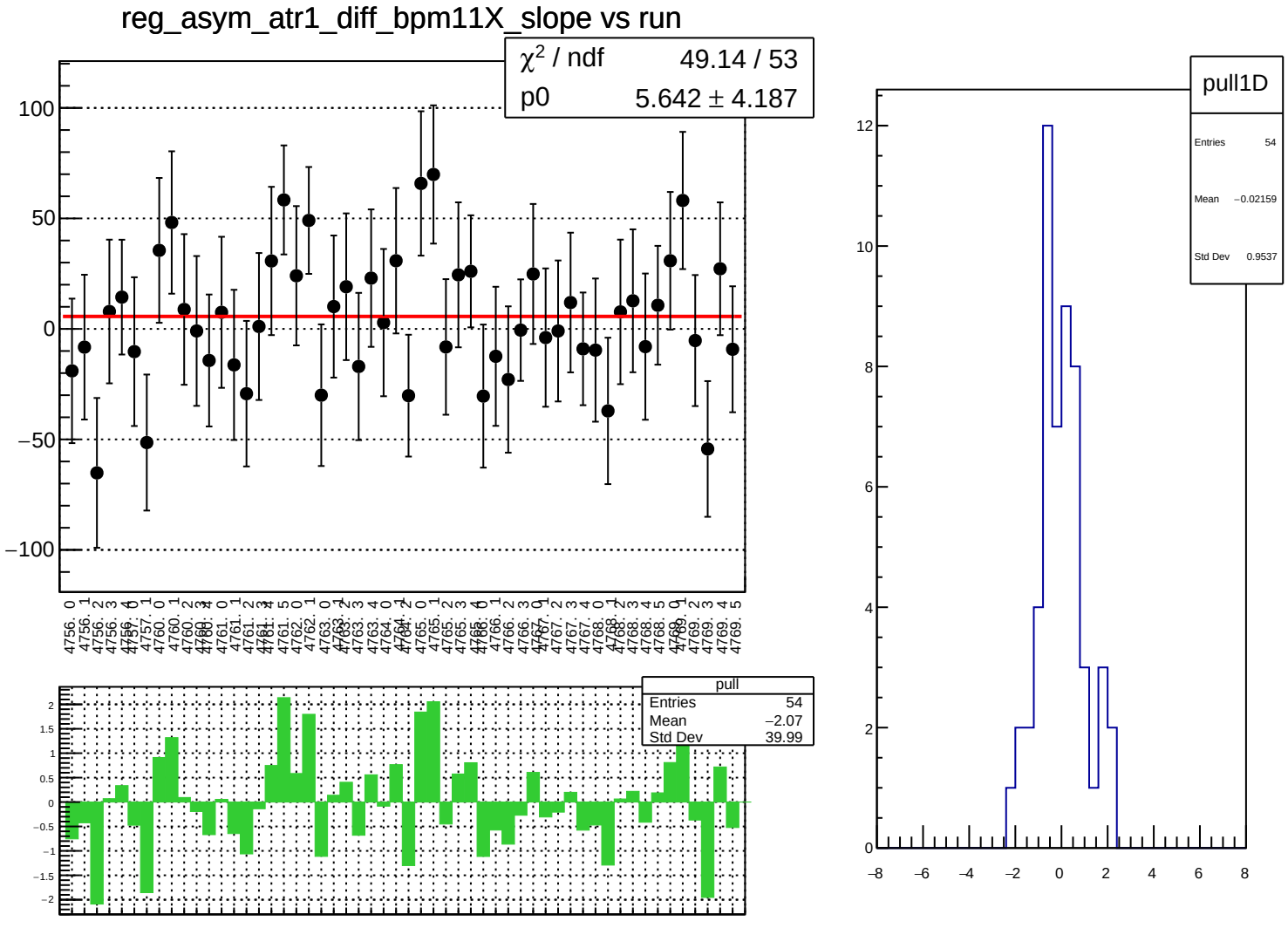

pull1D
Entries 54
Mean 0.01434
Std Dev 0.9442

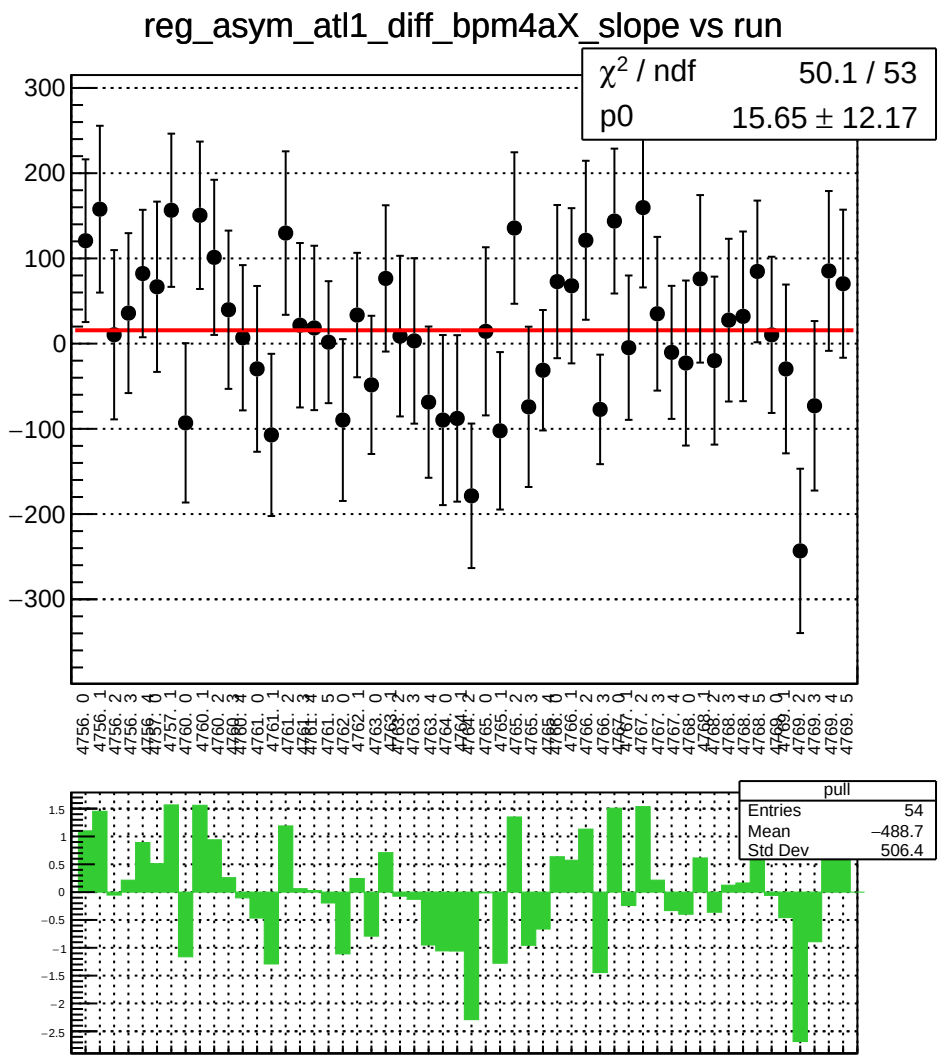

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 40.11 / 53
p0 45.56 ± 2.643
pull
Entries 54
Mean −64.63
Std Dev 73.91

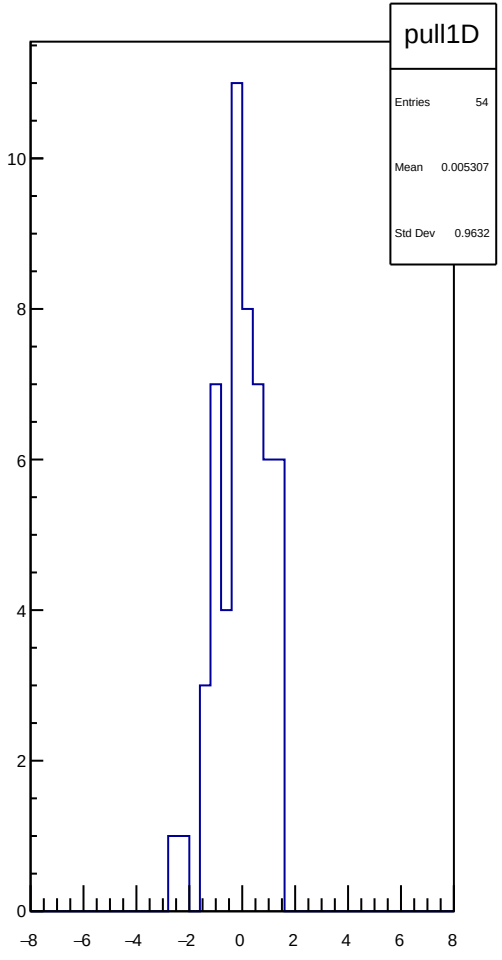

pull1D
Entries 54
Mean −0.01608
Std Dev 0.8617

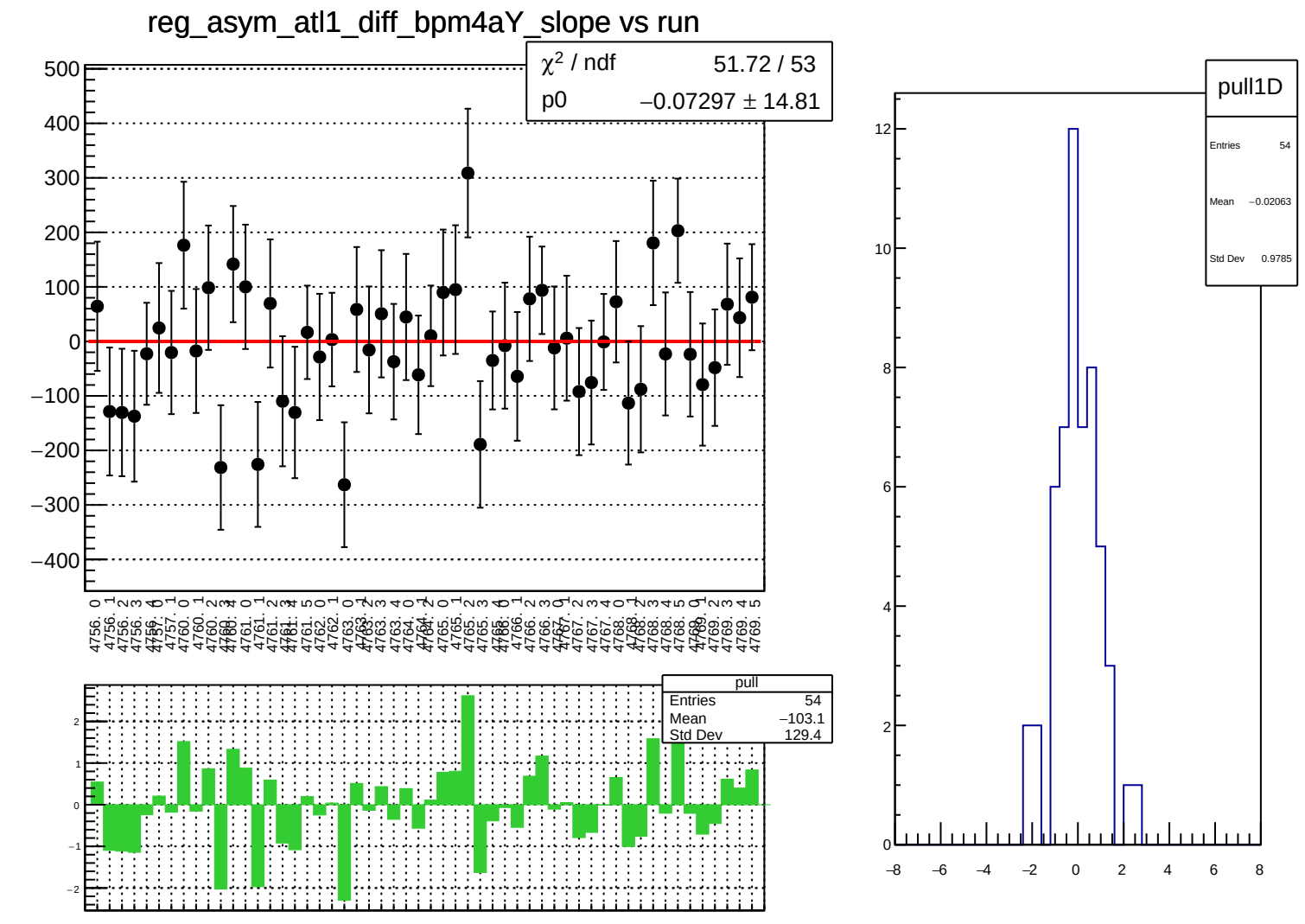

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 49.86 / 53
p0 18.36 ± 18.68
400
200
0
−200
−400
pull
Entries 54
Mean 131.9
Std Dev 97.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

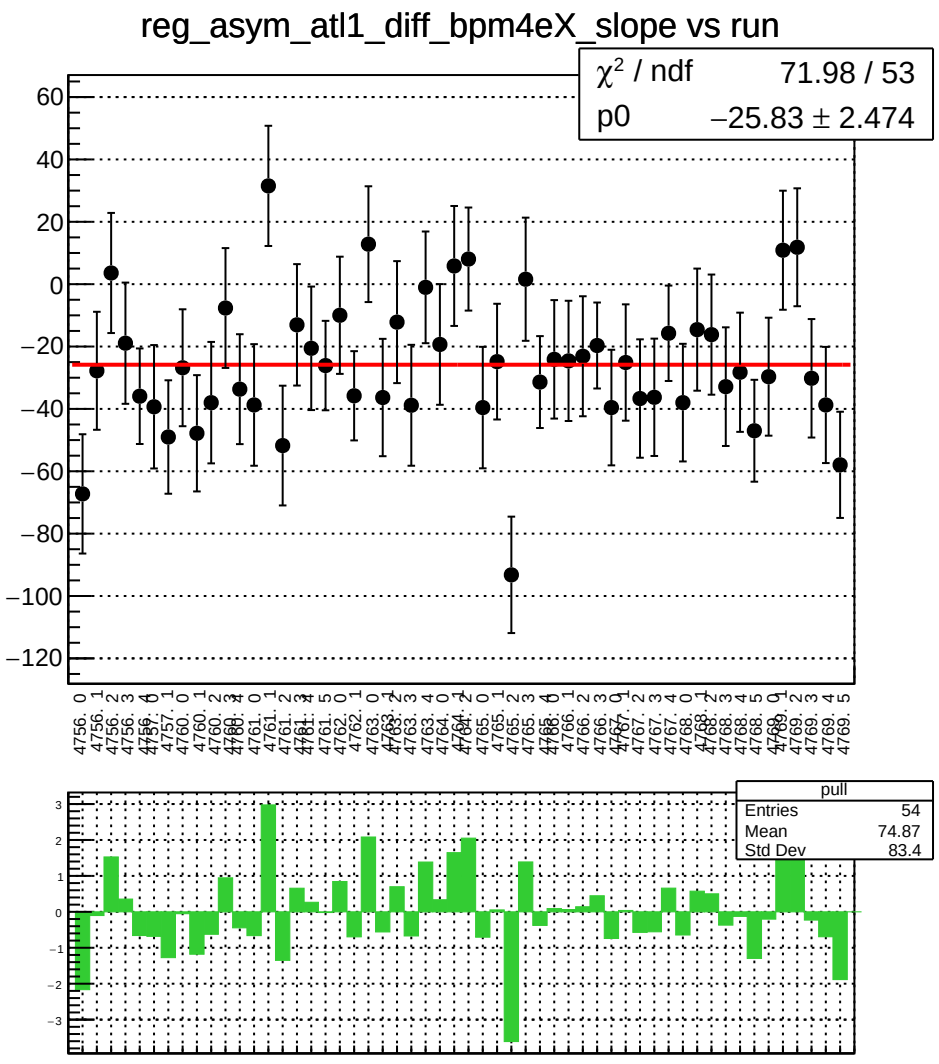

pull1D
Entries 54
Mean −0.01273
Std Dev 0.9608
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

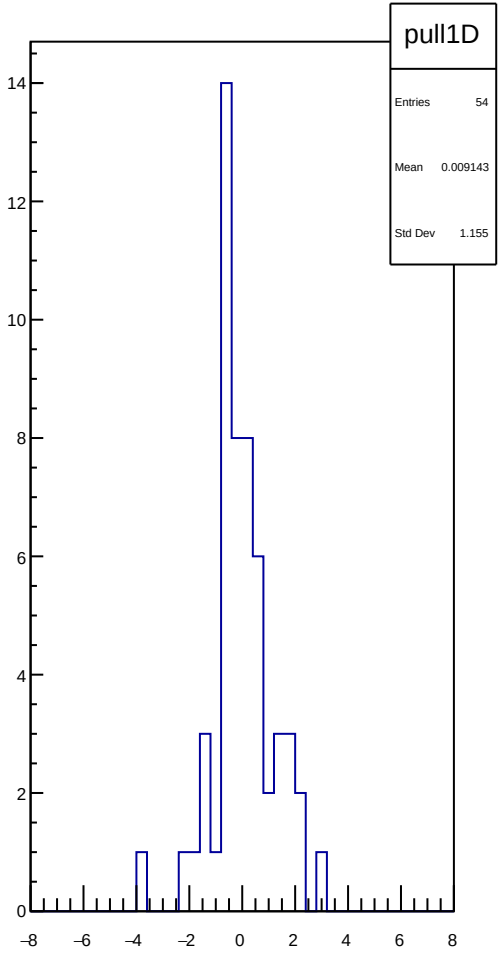

reg_asym_atr1_diff_bpm11X_slope vs run
χ² / ndf 49.14 / 53
p0 5.642 ± 4.187
100
50
0
−50
−100
pull
Entries 54
Mean −2.07
Std Dev 39.99
pull1D
Entries 54
Mean −0.02159
Std Dev 0.9537

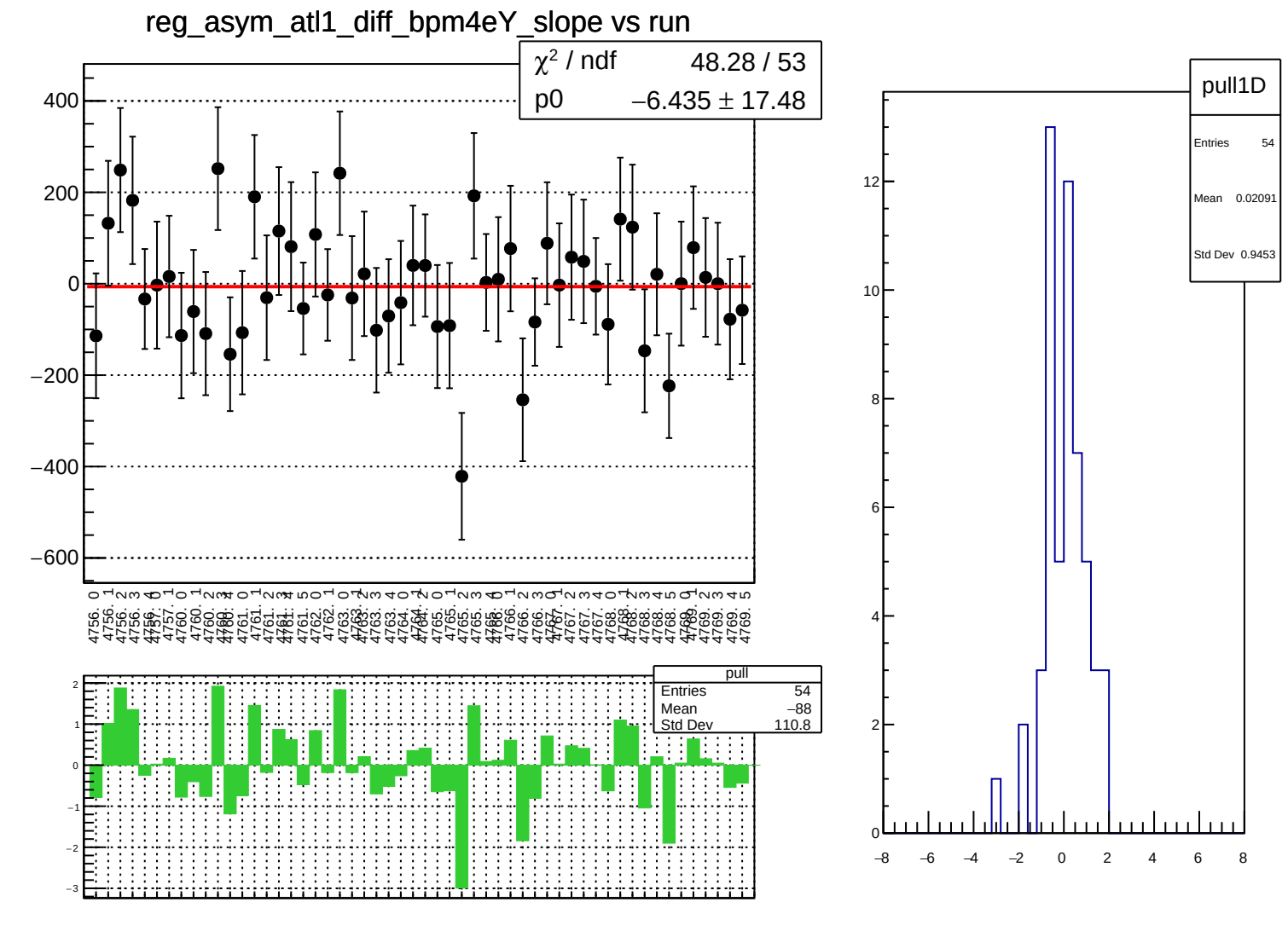

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 50.1 / 53
p0 15.65 ± 12.17
pull
Entries 54
Mean −488.7
Std Dev 506.4

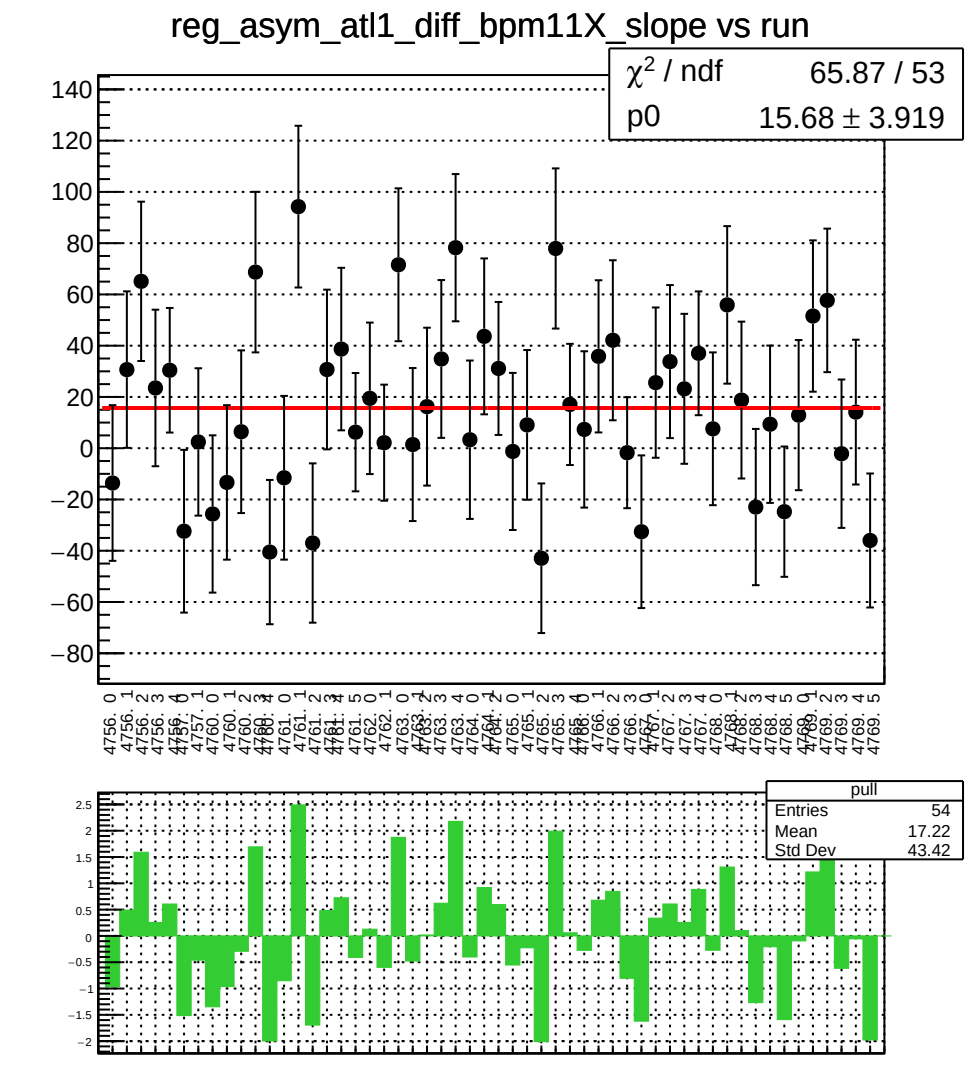

pull1D
Entries 54
Mean 0.005307
Std Dev 0.9632

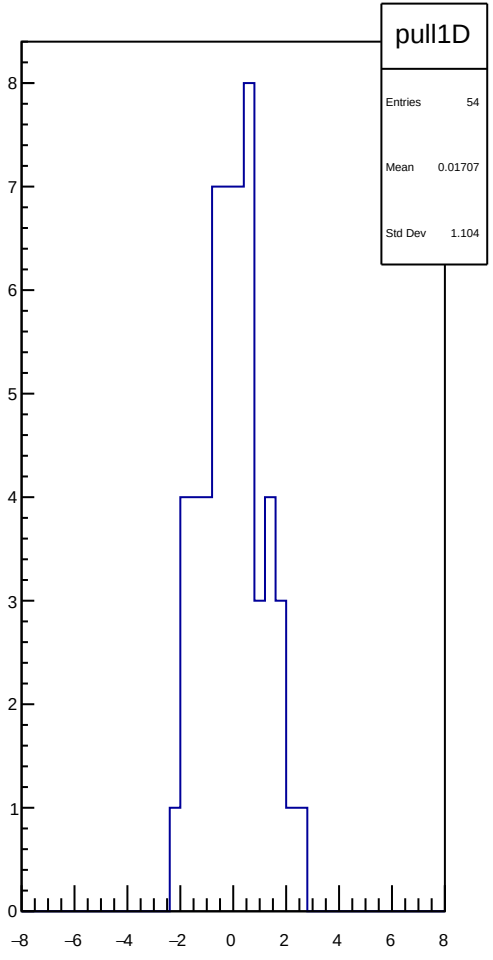

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 51.72 / 53
p0 −0.07297 ± 14.81
pull
Entries 54
Mean −103.1
Std Dev 129.4
pull1D
Entries 54
Mean −0.02063
Std Dev 0.9785

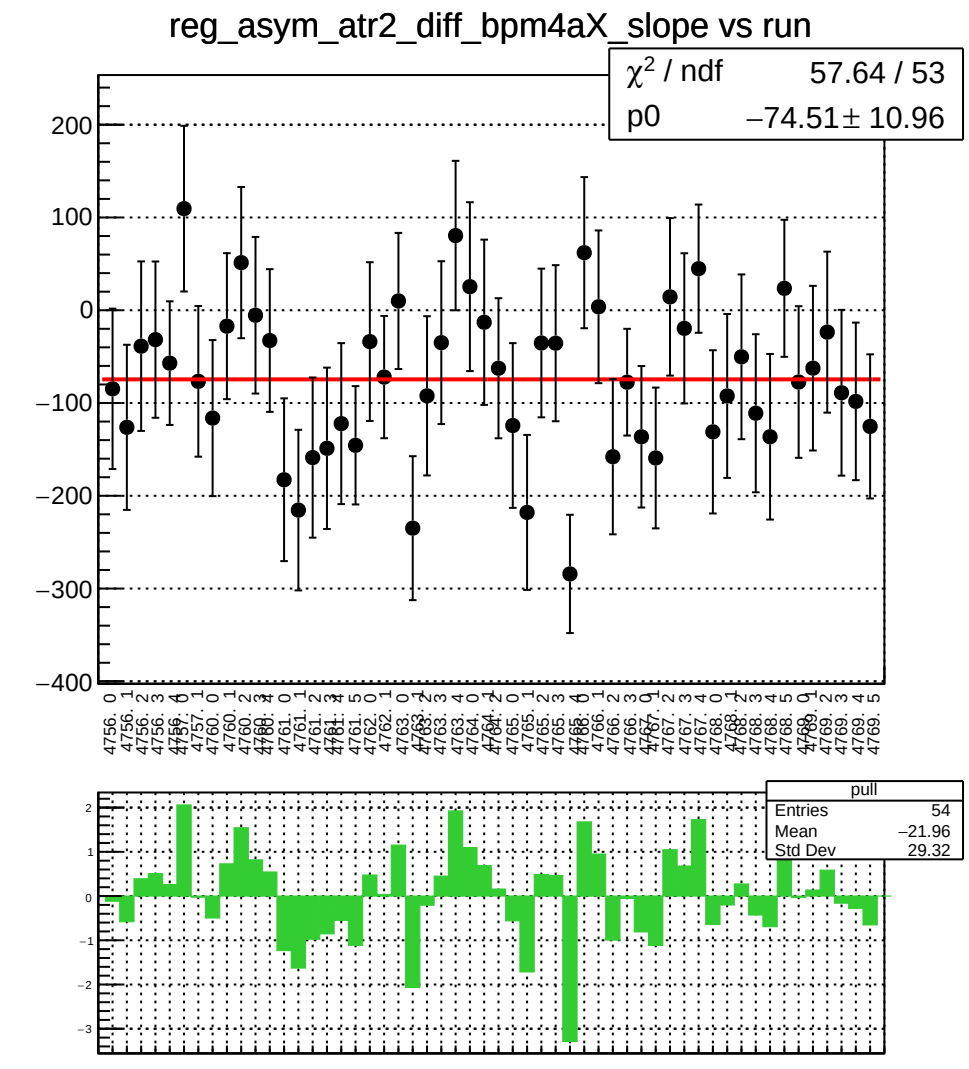

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 71.98 / 53
p0 −25.83 ± 2.474
pull
Entries 54
Mean 74.87
Std Dev 83.4

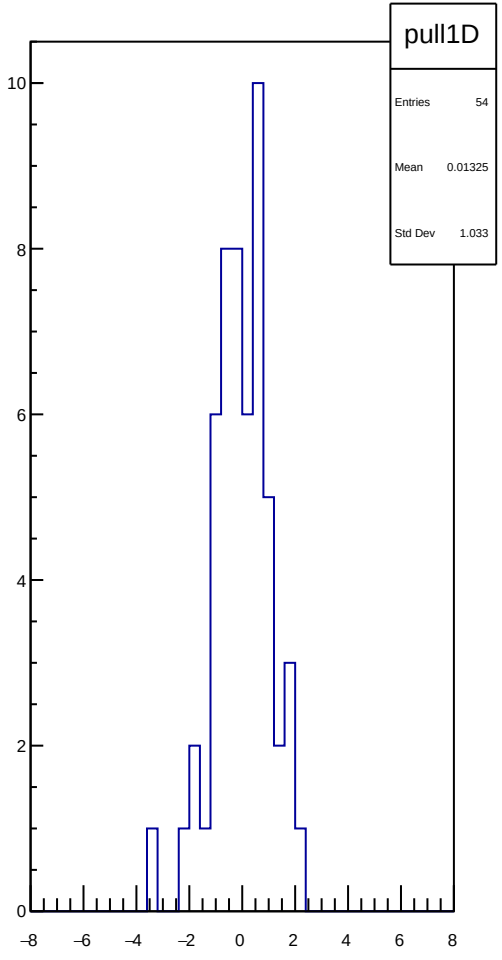

pull1D
Entries 54
Mean 0.009143
Std Dev 1.155

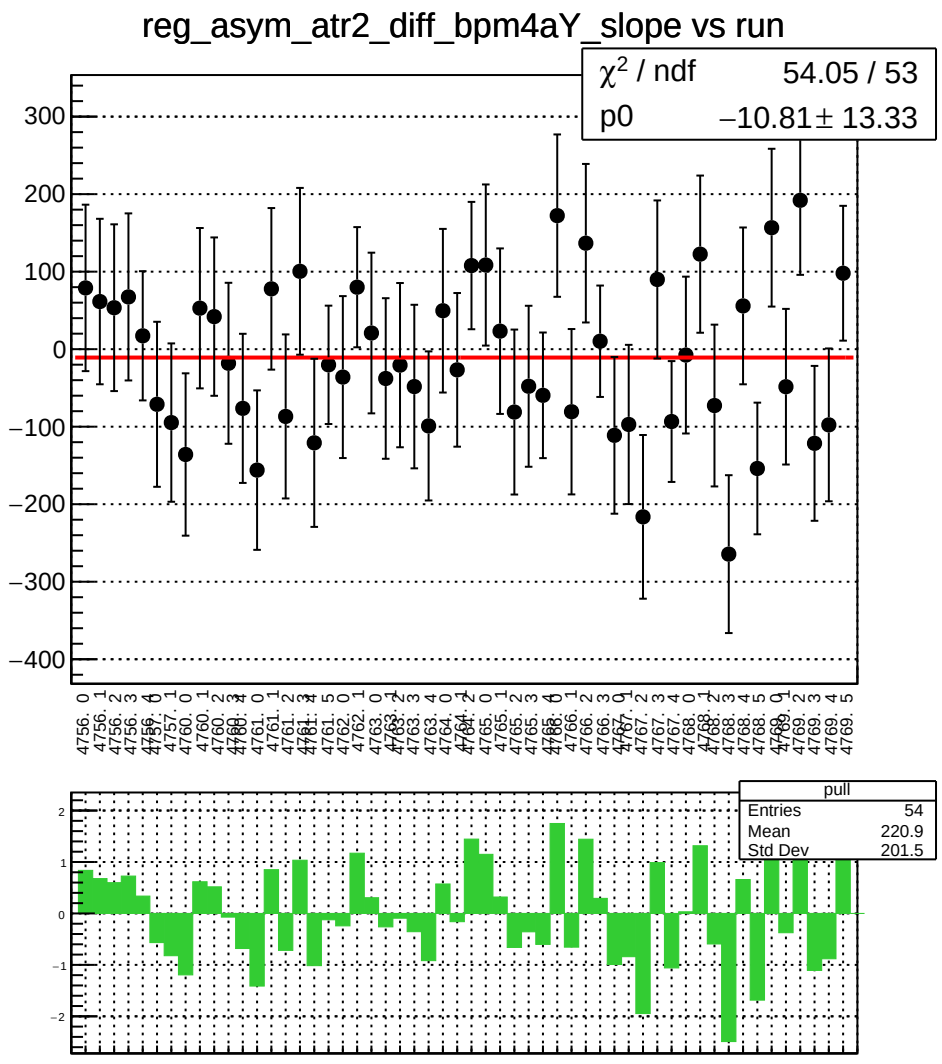

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 48.28 / 53
p0 −6.435 ± 17.48
pull
Entries 54
Mean −88
Std Dev 110.8
pull1D
Entries 54
Mean 0.02091
Std Dev 0.9453

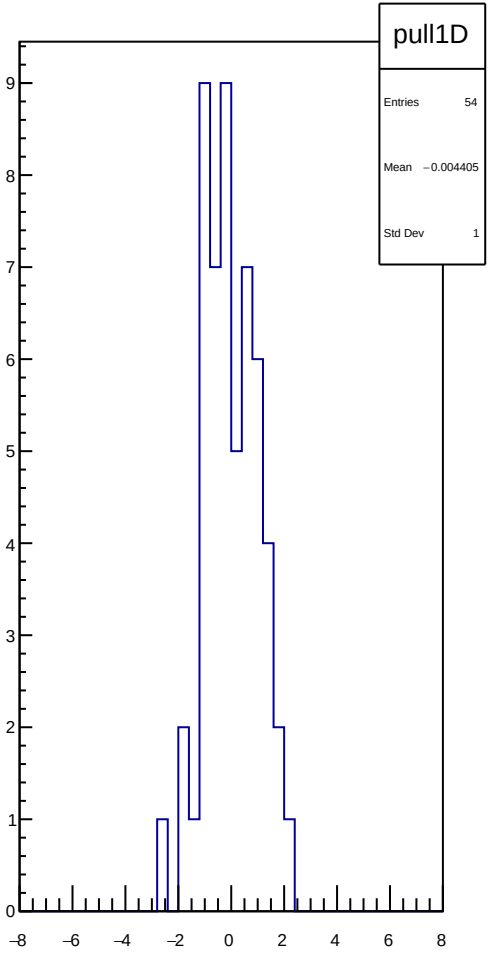

reg_asym_atl1_diff_bpm11X_slope vs run
χ² / ndf 65.87 / 53
p0 15.68 ± 3.919
pull
Entries 54
Mean 17.22
Std Dev 43.42

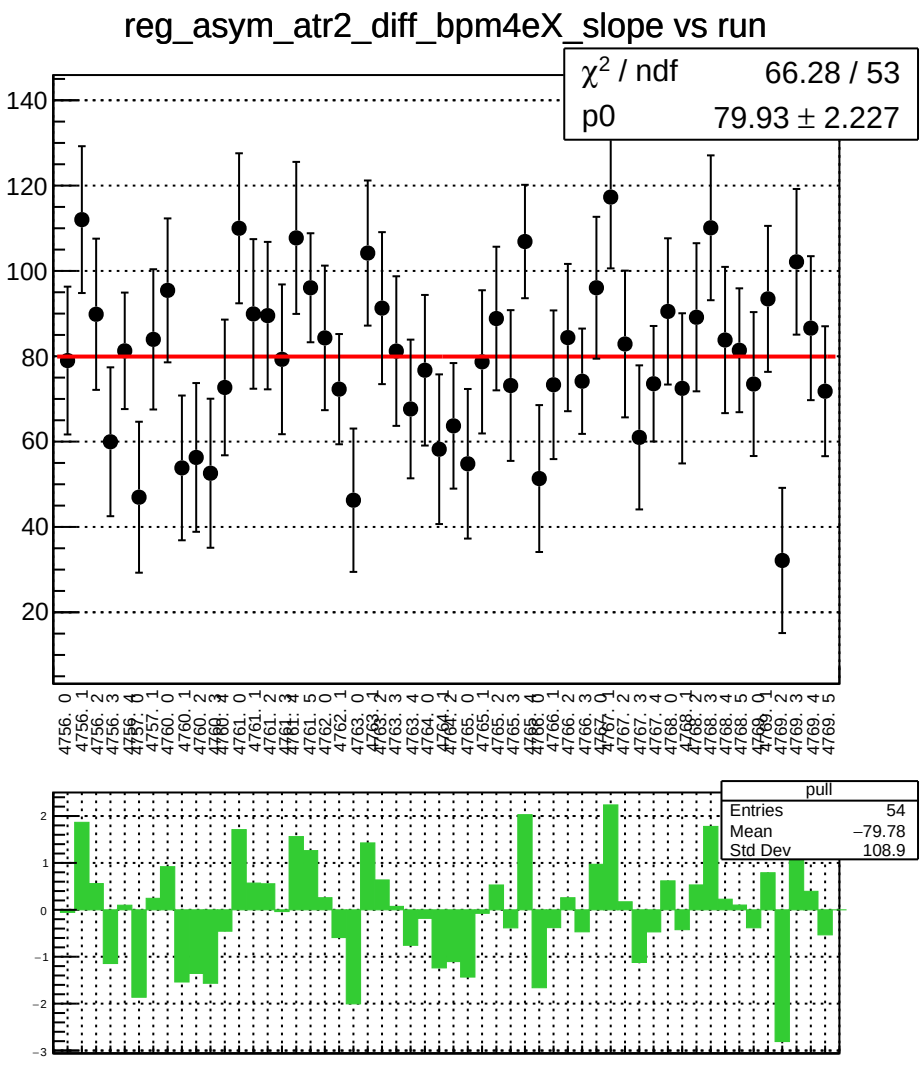

pull1D
Entries 54
Mean 0.01707
Std Dev 1.104

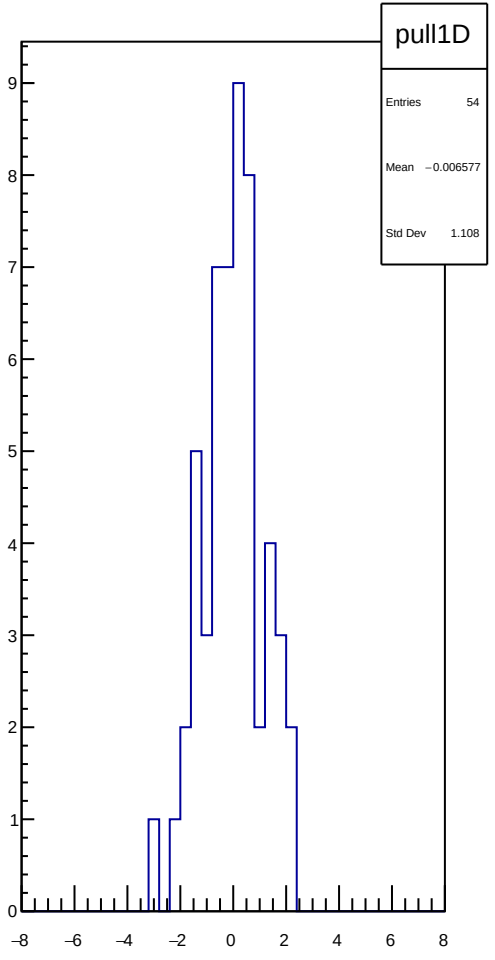

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 57.64 / 53
p0 −74.51 ± 10.96
pull
Entries 54
Mean −21.96
Std Dev 29.32

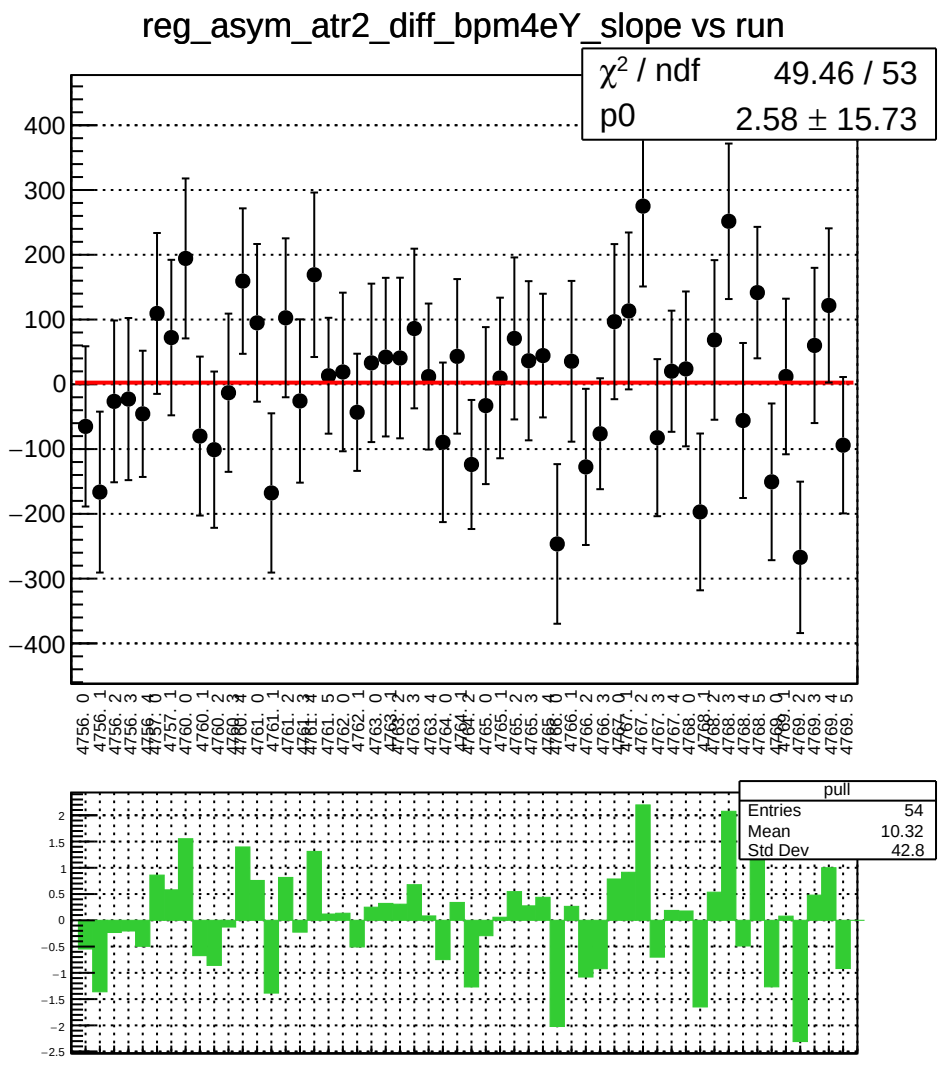

pull1D
Entries 54
Mean 0.01325
Std Dev 1.033

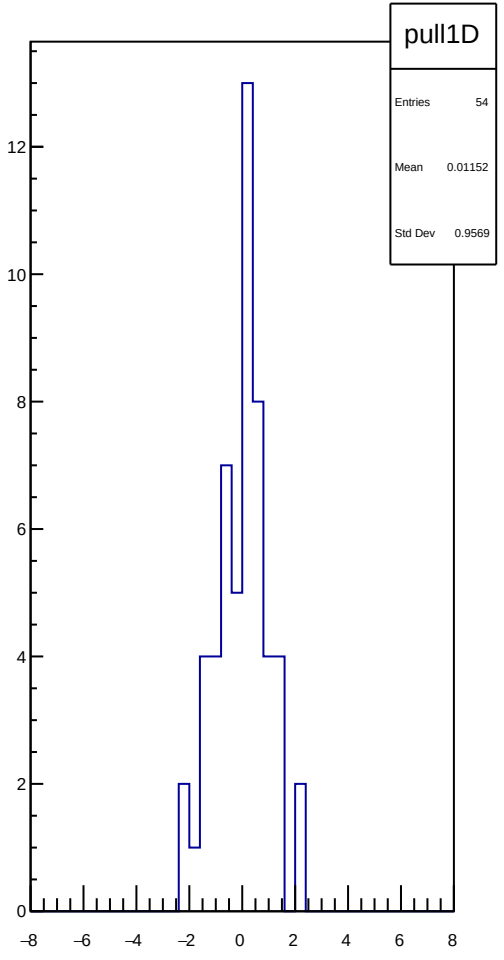

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 54.05 / 53
p0 −10.81 ± 13.33
pull
Entries 54
Mean 220.9
Std Dev 201.5

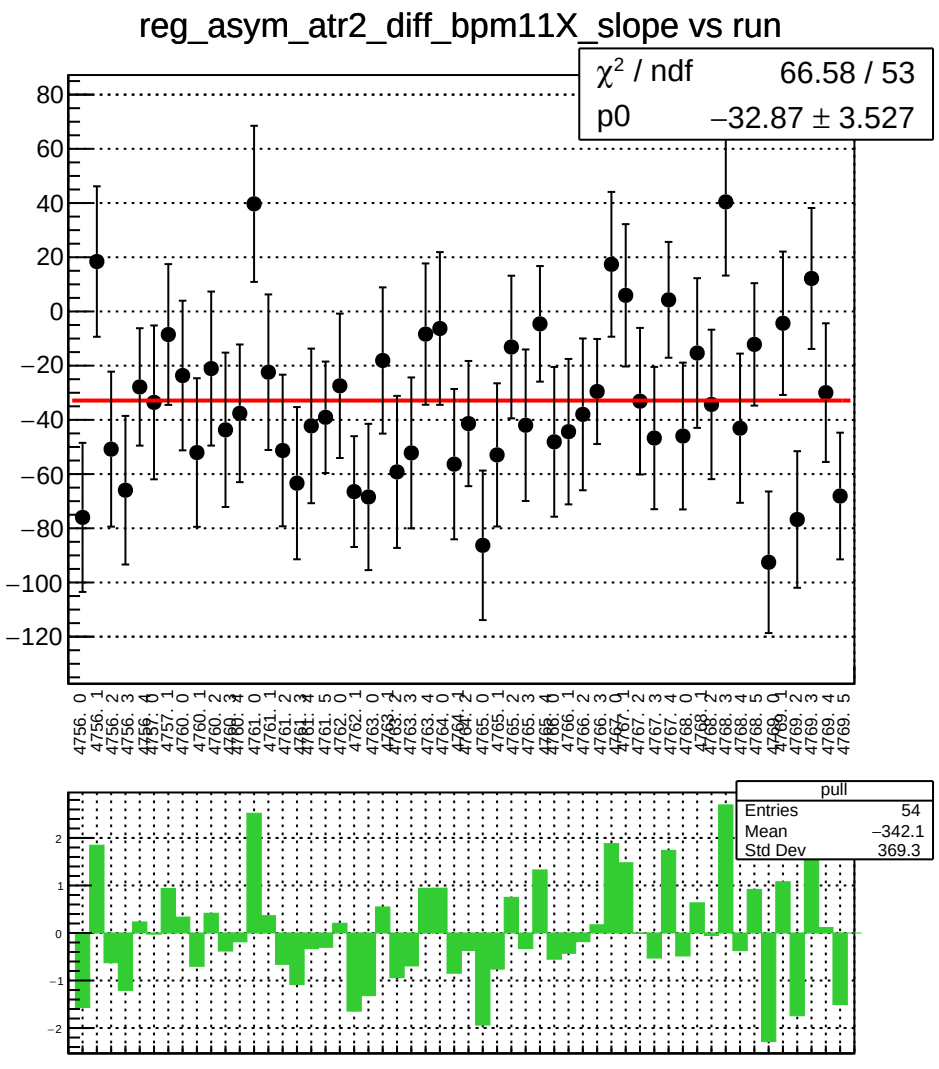

pull1D
Entries 54
Mean −0.004405
Std Dev 1

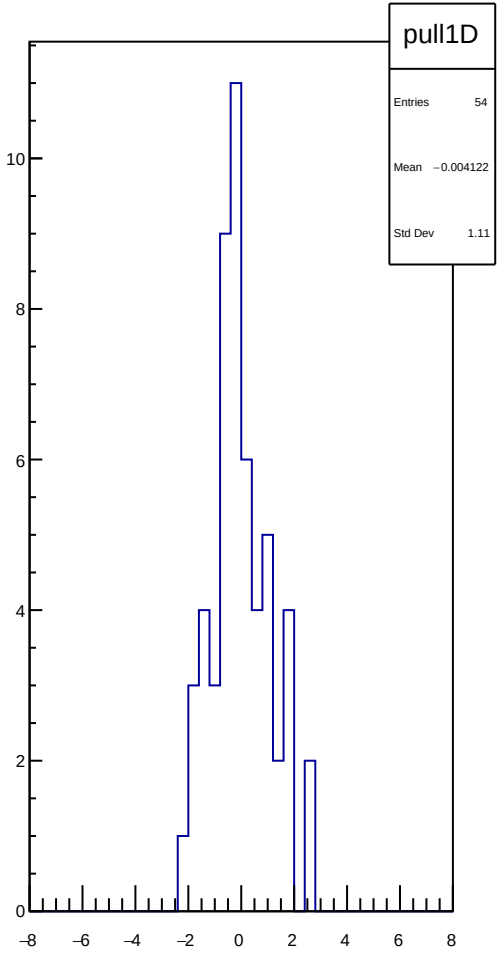

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 66.28 / 53
p0 79.93 ± 2.227
pull
Entries 54
Mean −79.78
Std Dev 108.9

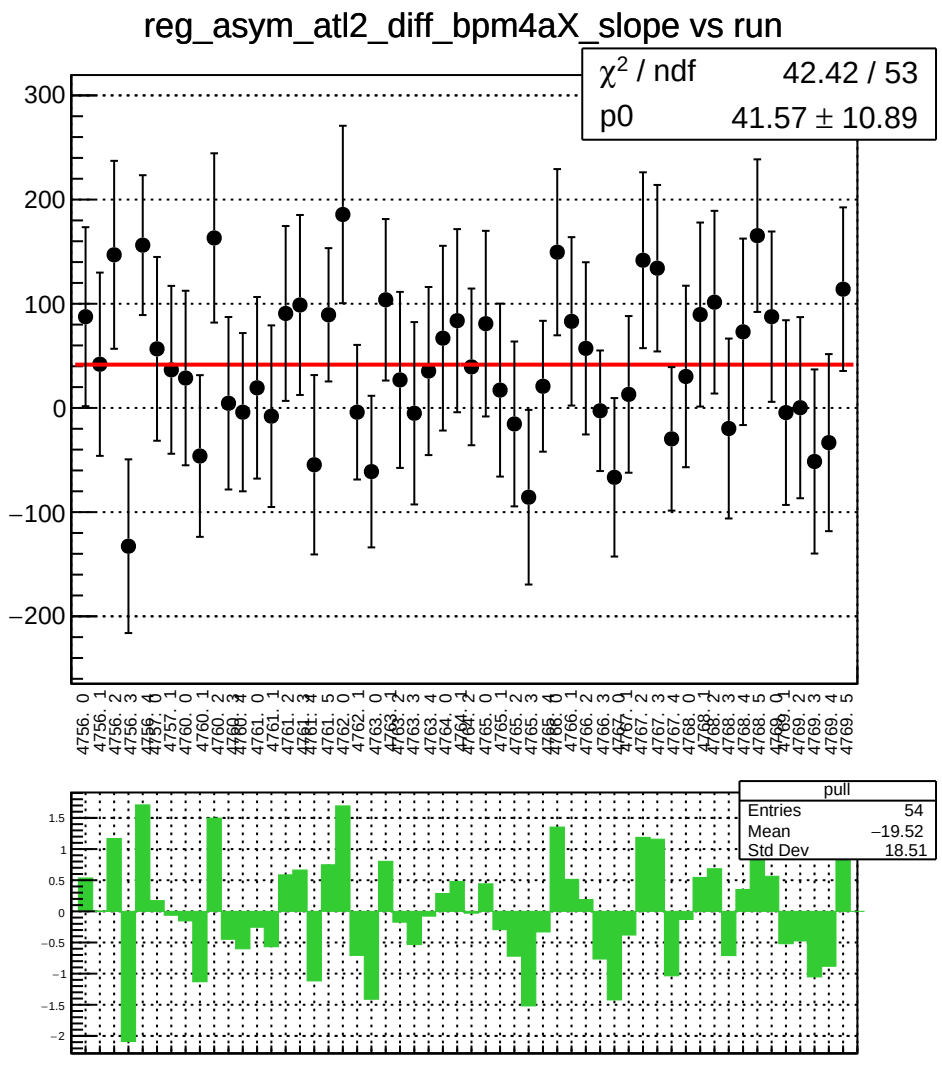

pull1D
Entries 54
Mean −0.006577
Std Dev 1.108

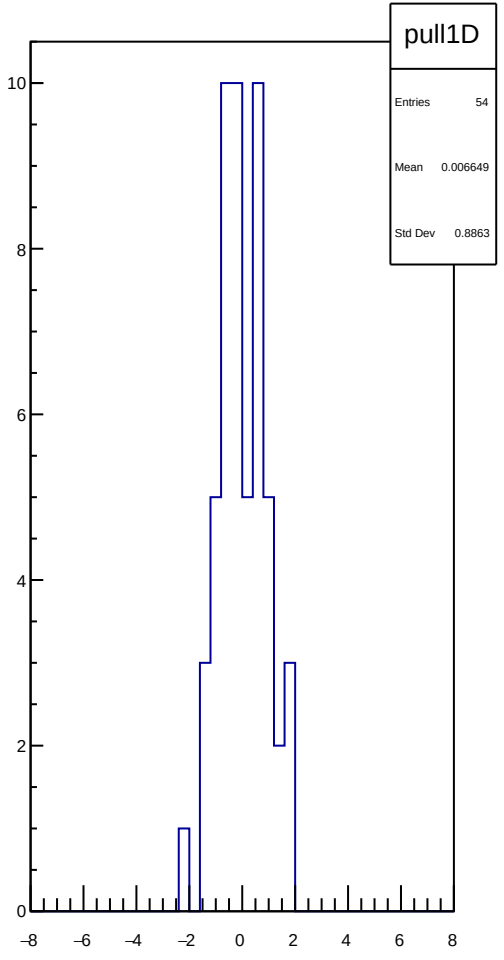

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 49.46 / 53
p0 2.58 ± 15.73
pull
Entries 54
Mean 10.32
Std Dev 42.8

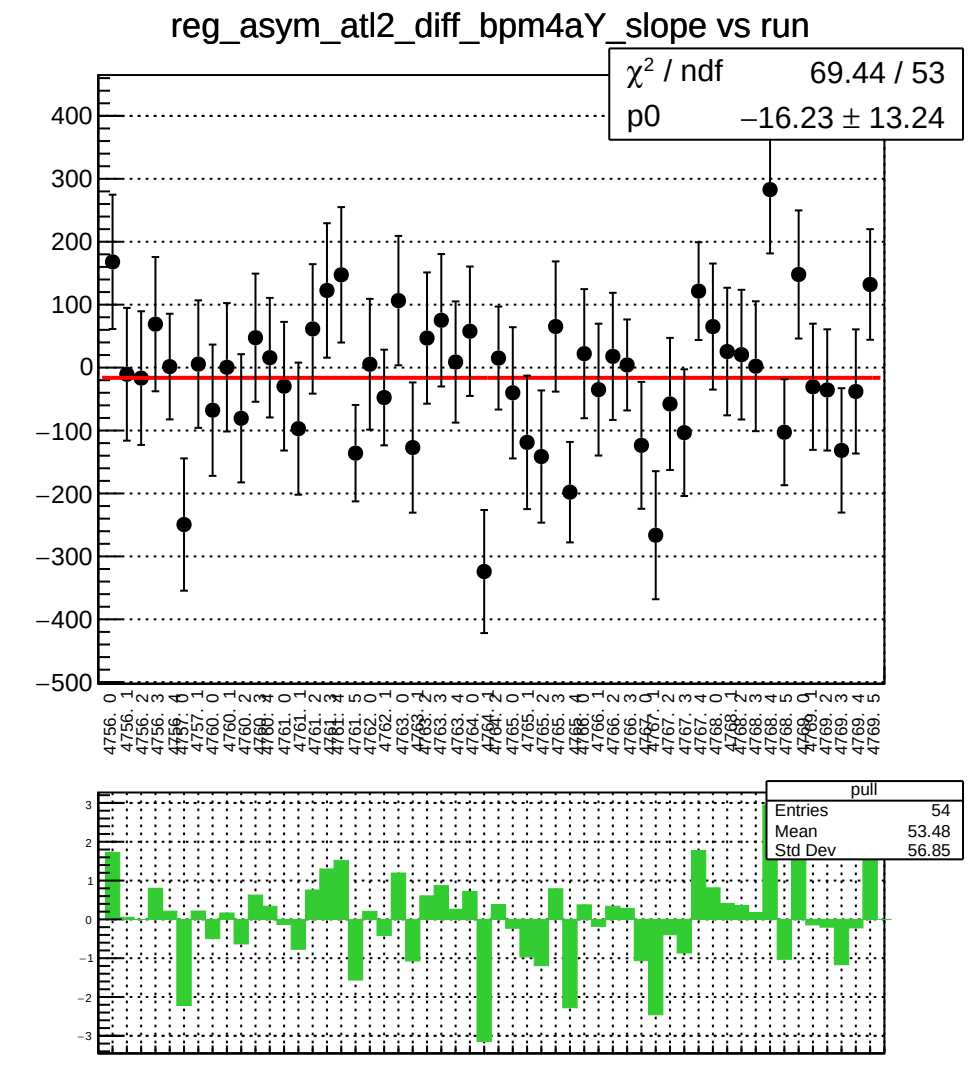

pull1D
Entries 54
Mean 0.01152
Std Dev 0.9569

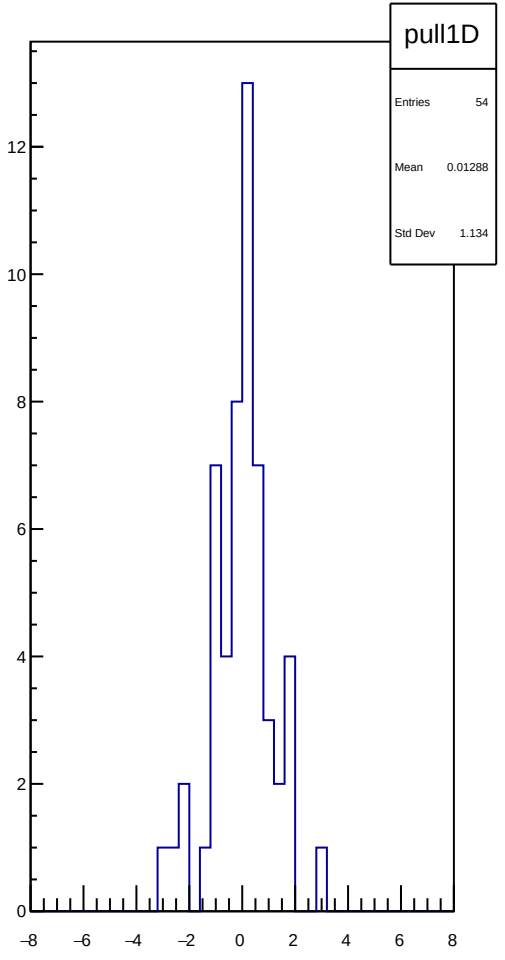

reg_asym_atr2_diff_bpm11X_slope vs run
χ² / ndf 66.58 / 53
p0 −32.87 ± 3.527
pull
Entries 54
Mean −342.1
Std Dev 369.3

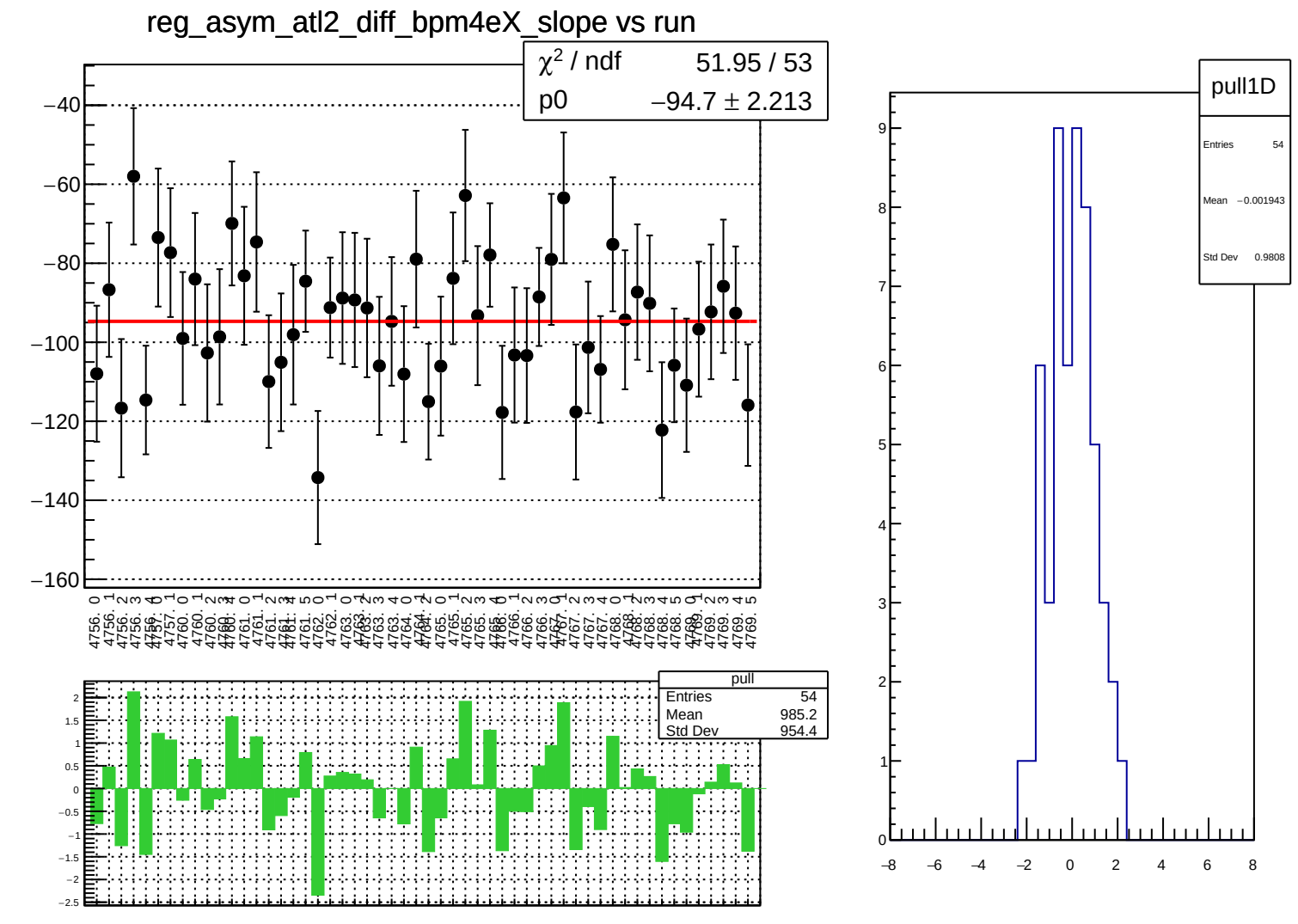

pull1D
Entries 54
Mean −0.004122
Std Dev 1.11

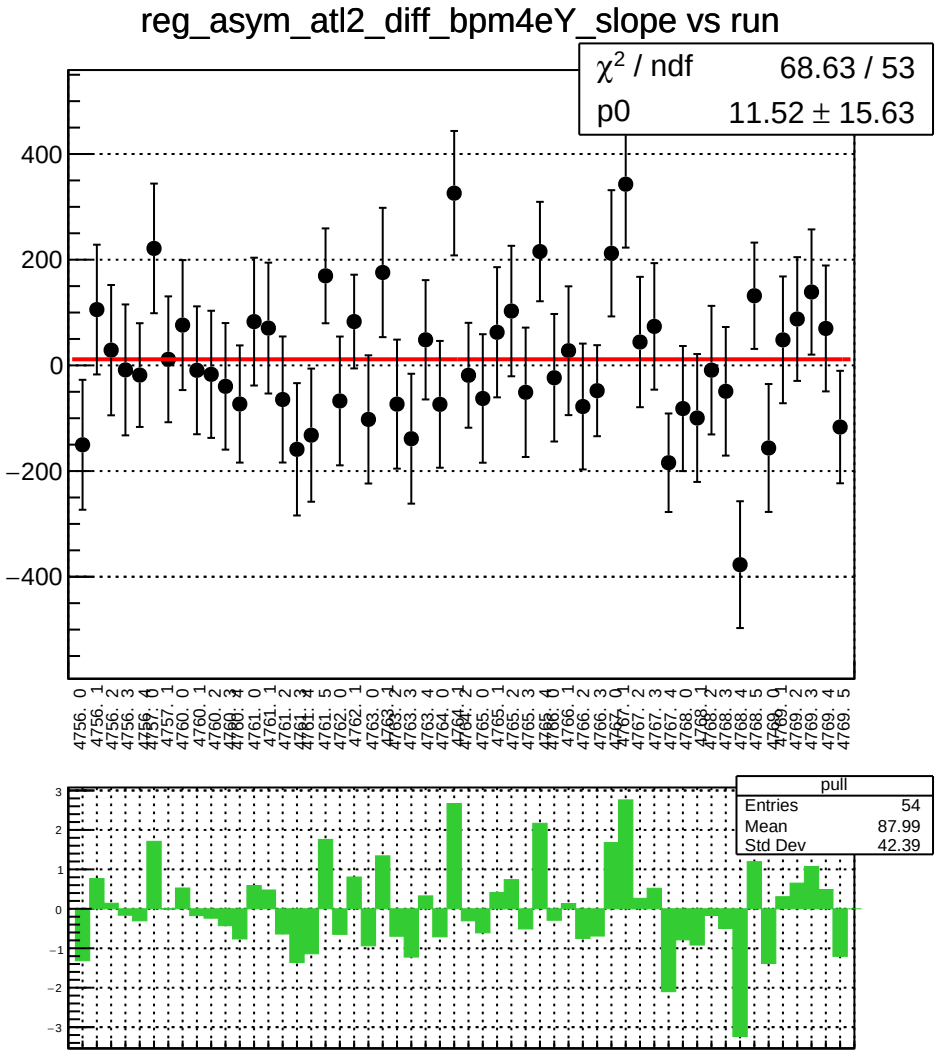

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 42.42 / 53
p0 41.57 ± 10.89
pull
Entries 54
Mean −19.52
Std Dev 18.51

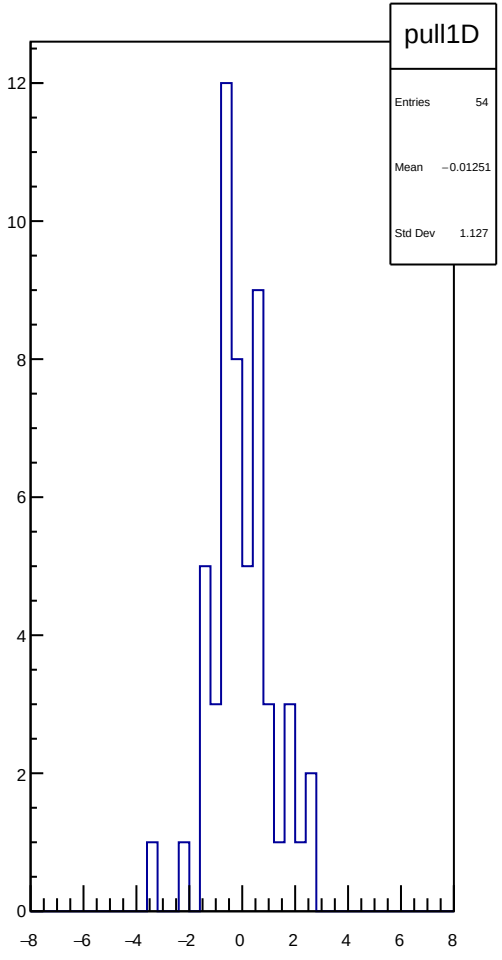

pull1D
Entries 54
Mean 0.006649
Std Dev 0.8863

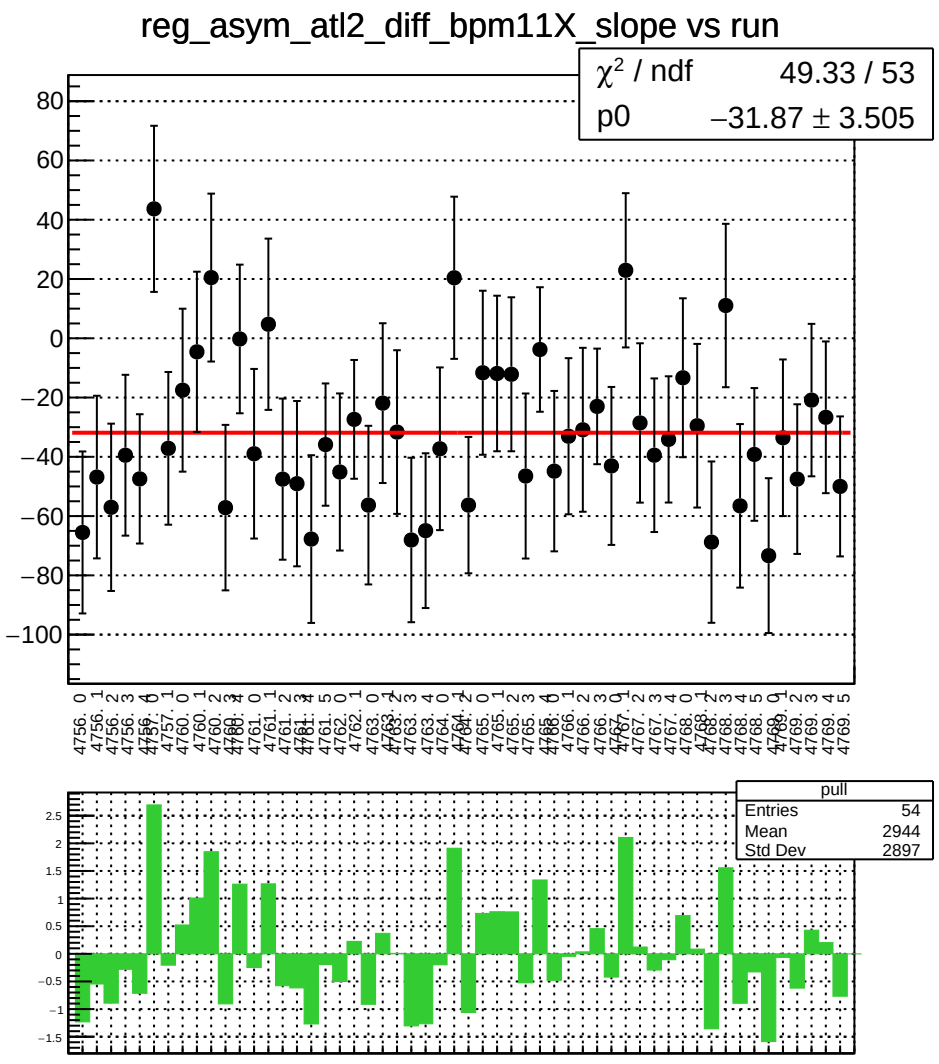

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 69.44 / 53
p0 −16.23 ± 13.24
pull
Entries 54
Mean 53.48
Std Dev 56.85

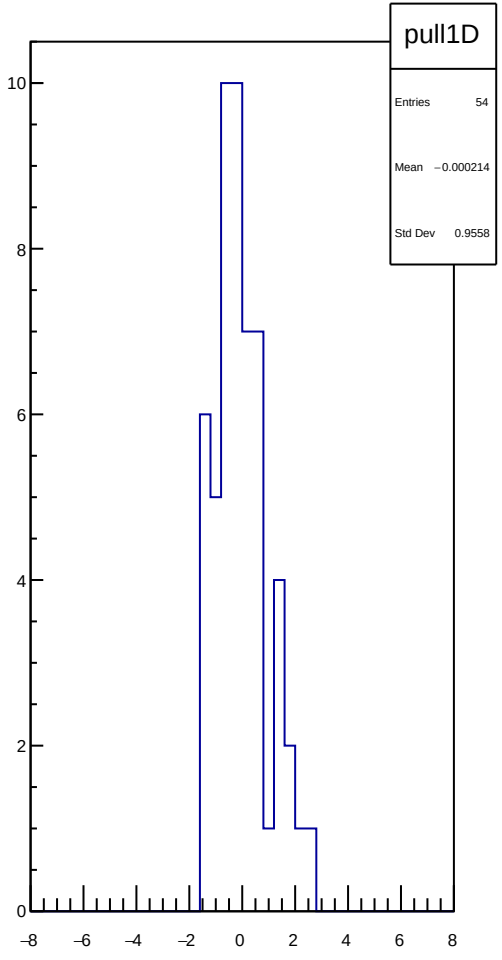

pull1D
Entries 54
Mean 0.01288
Std Dev 1.134

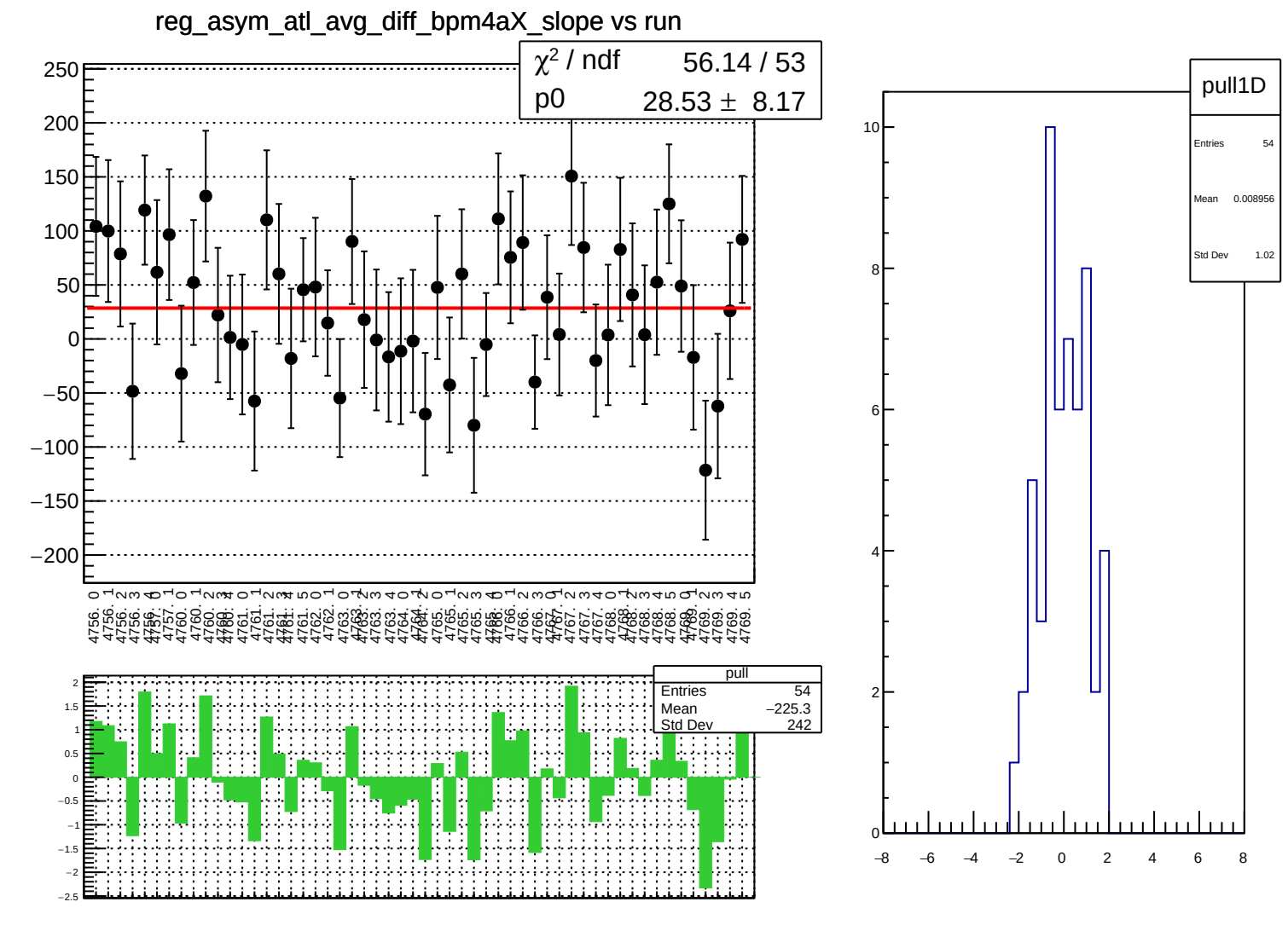

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 51.95 / 53
p0 −94.7 ± 2.213
pull
Entries 54
Mean 985.2
Std Dev 954.4
pull1D
Entries 54
Mean −0.001943
Std Dev 0.9808

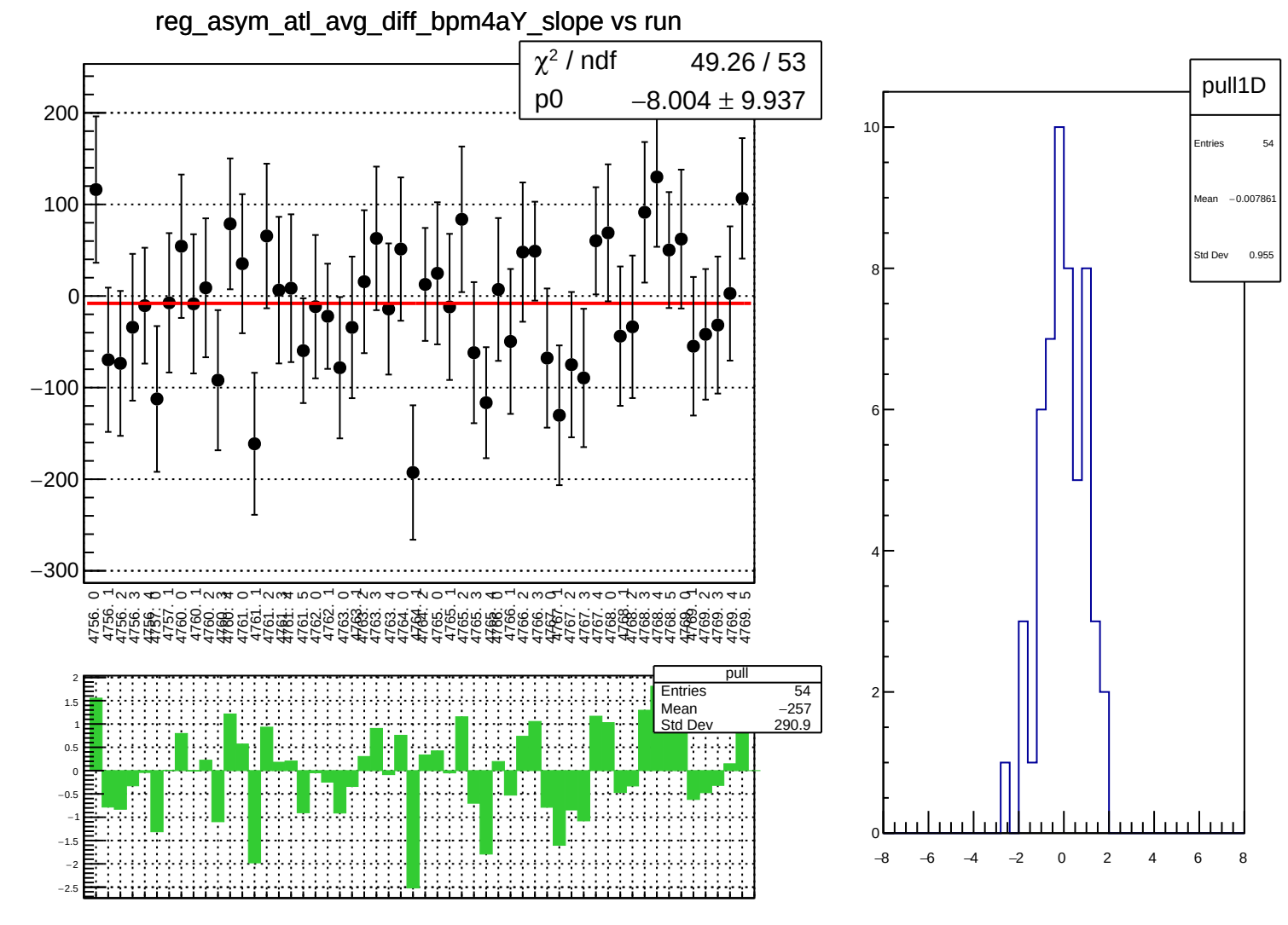

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 68.63 / 53
p0 11.52 ± 15.63
400
200
0
−200
−400
pull
Entries 54
Mean 87.99
Std Dev 42.39
3
2
1
0
−1
−2
−3

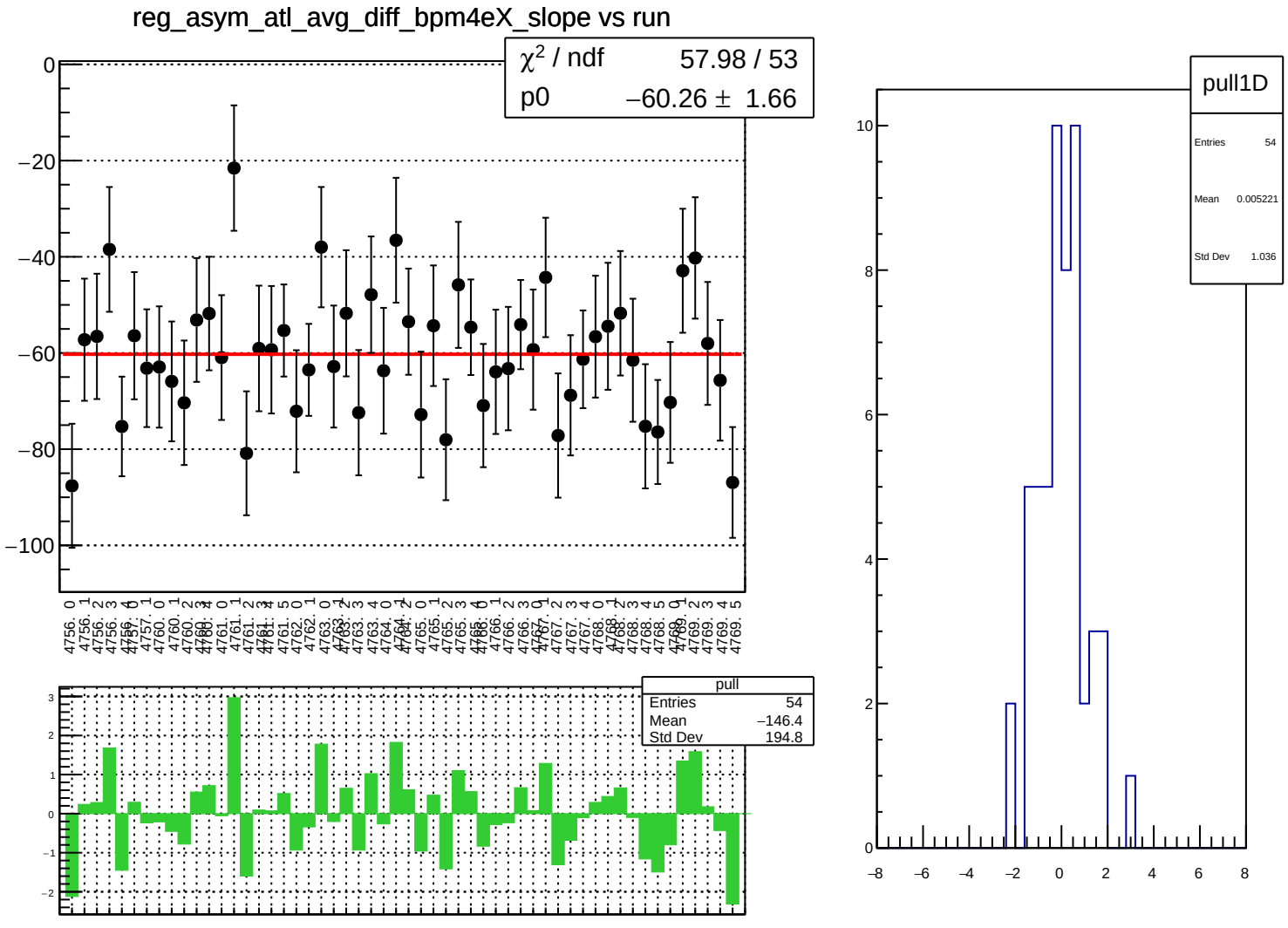

pull1D
Entries 54
Mean −0.01251
Std Dev 1.127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

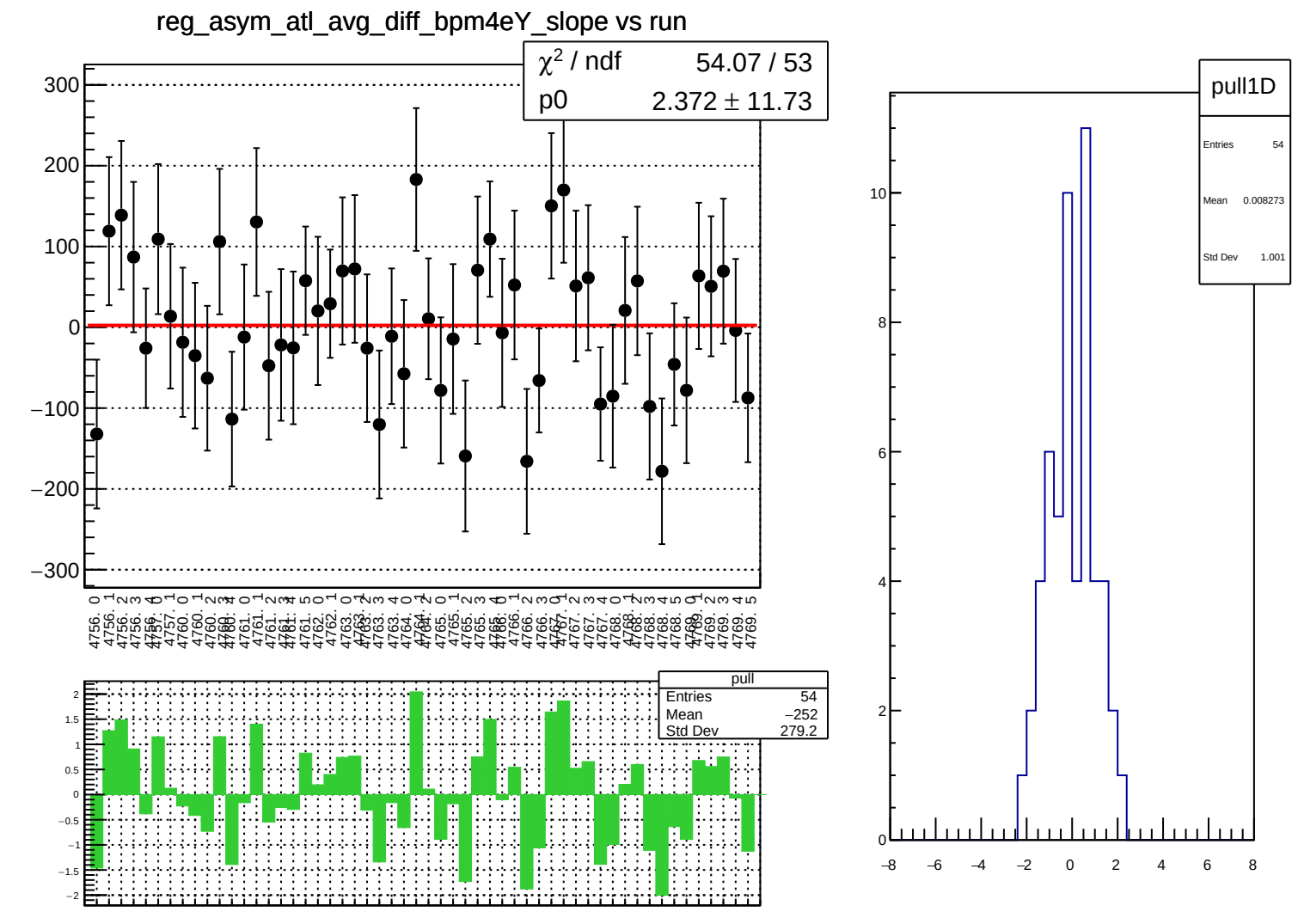

reg_asym_atl2_diff_bpm11X_slope vs run
χ² / ndf 49.33 / 53
p0 −31.87 ± 3.505
pull
Entries 54
Mean 2944
Std Dev 2897

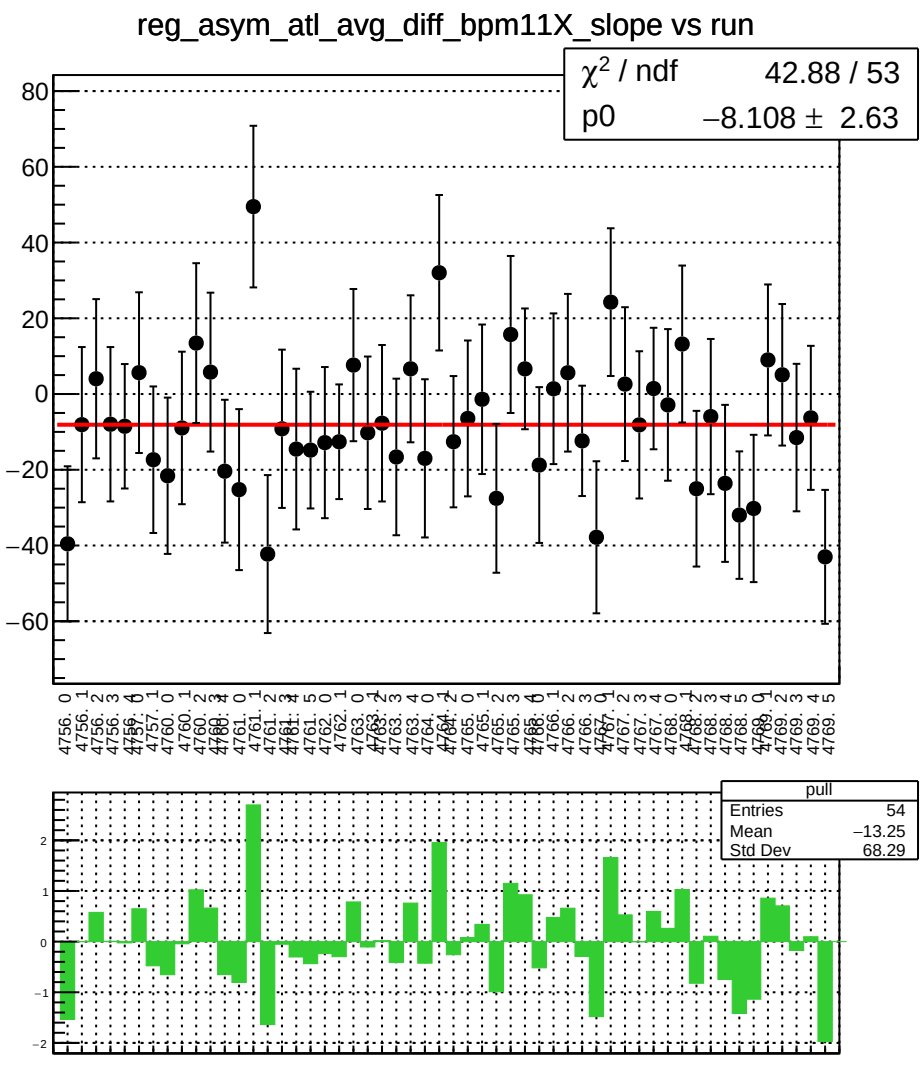

pull1D
Entries 54
Mean −0.000214
Std Dev 0.9558

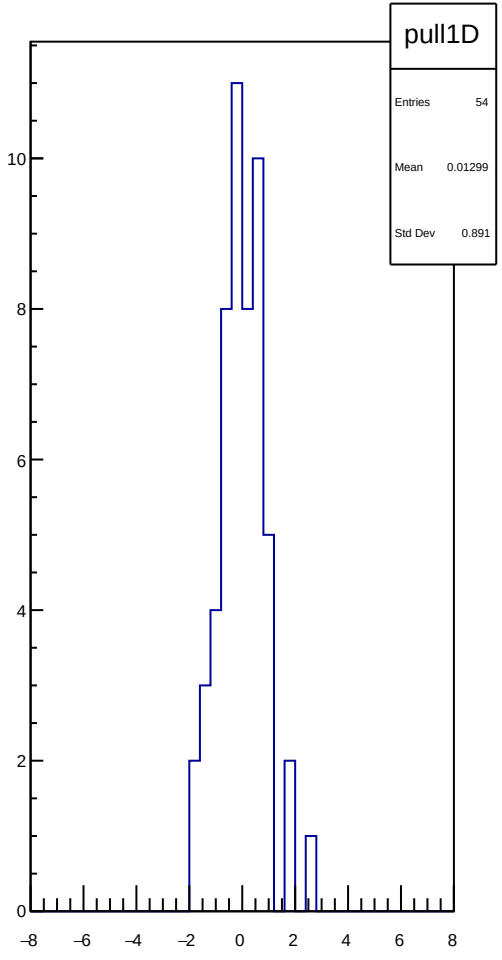

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.14 / 53
p0 28.53 ± 8.17
pull
Entries 54
Mean −225.3
Std Dev 242
pull1D
Entries 54
Mean 0.008956
Std Dev 1.02

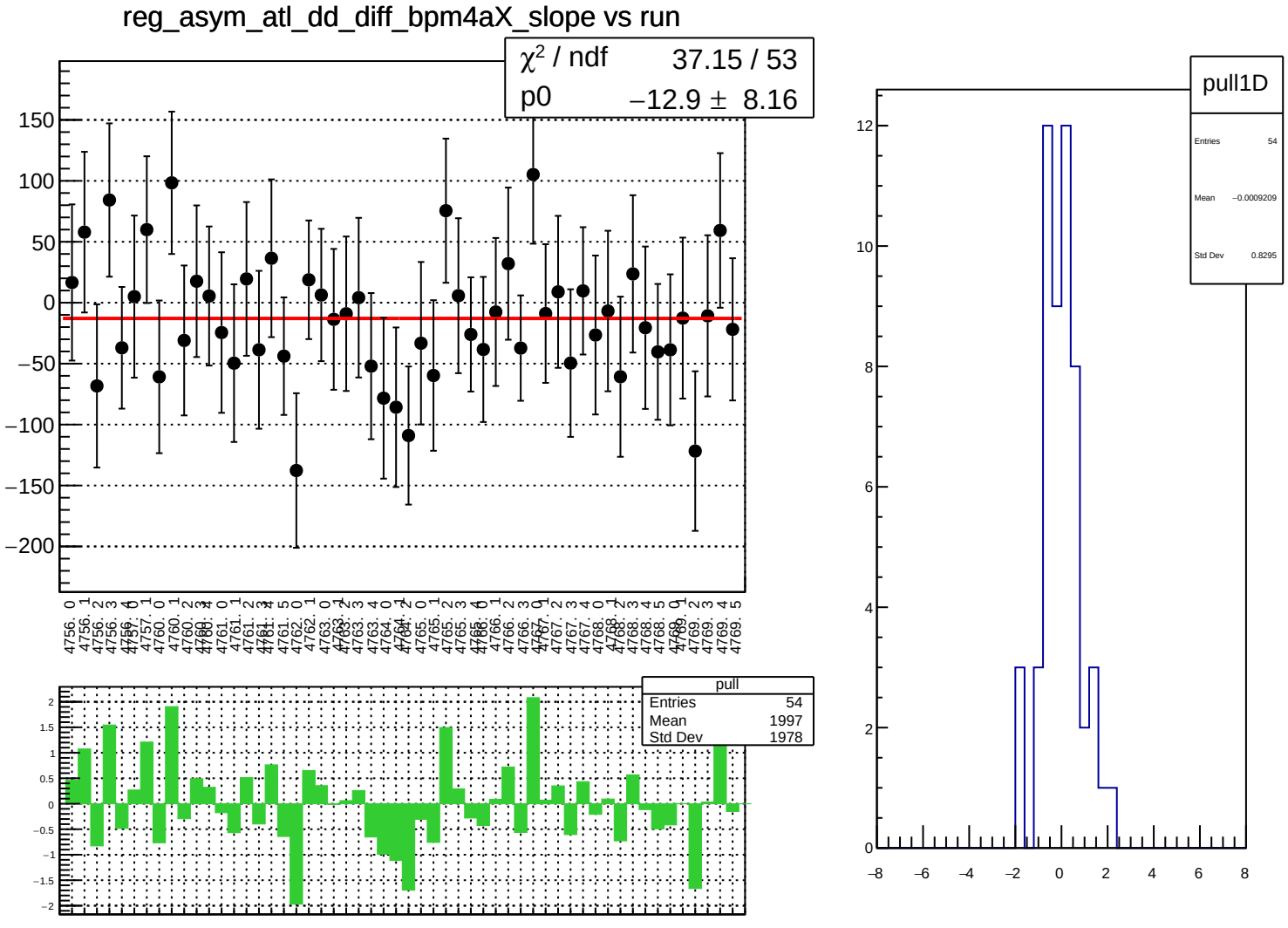

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.26 / 53
p0 −8.004 ± 9.937
pull
Entries 54
Mean −257
Std Dev 290.9
pull1D
Entries 54
Mean −0.007861
Std Dev 0.955

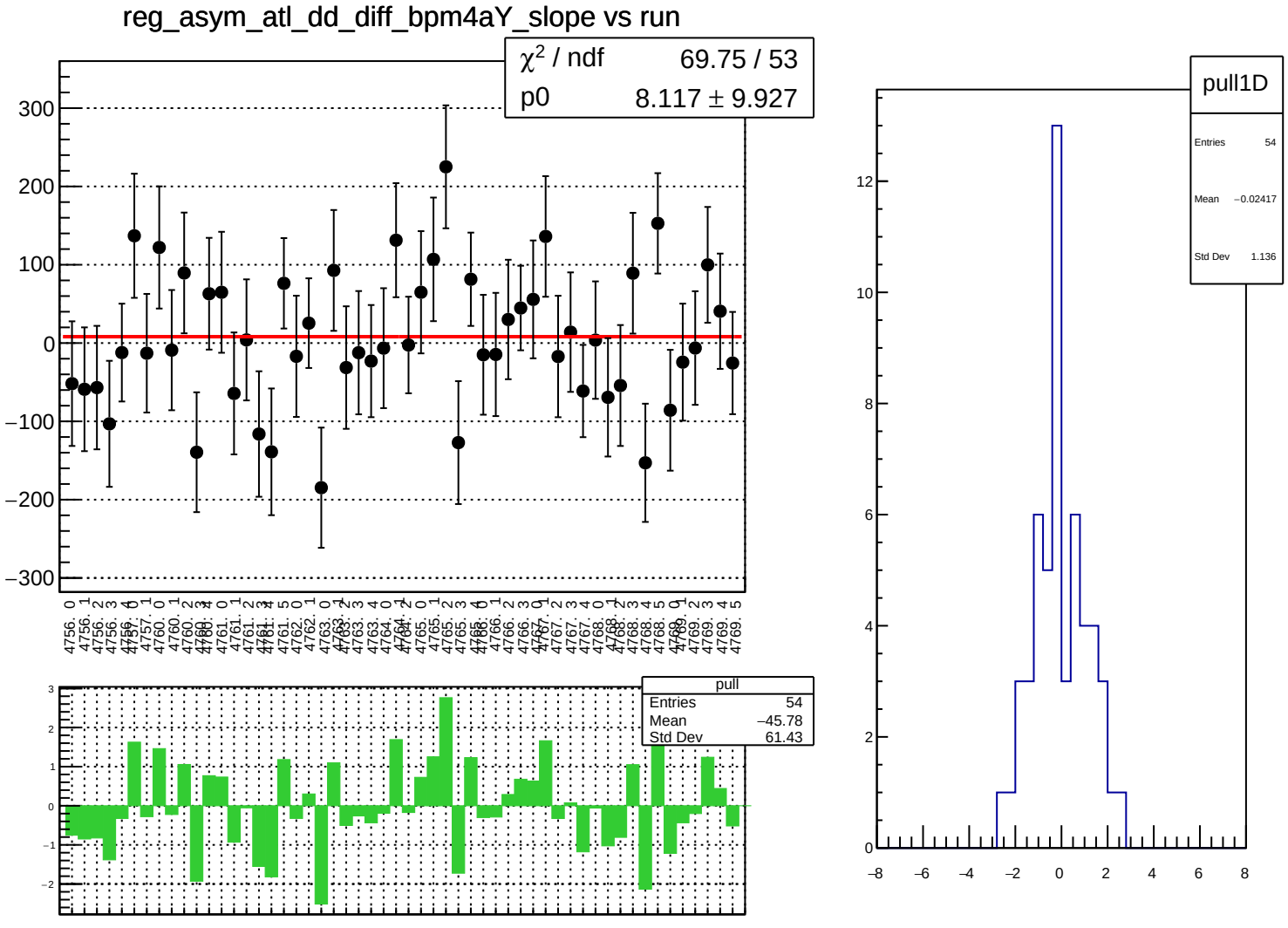

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.98 / 53
p0 −60.26 ± 1.66
pull
Entries 54
Mean −146.4
Std Dev 194.8
pull1D
Entries 54
Mean 0.005221
Std Dev 1.036

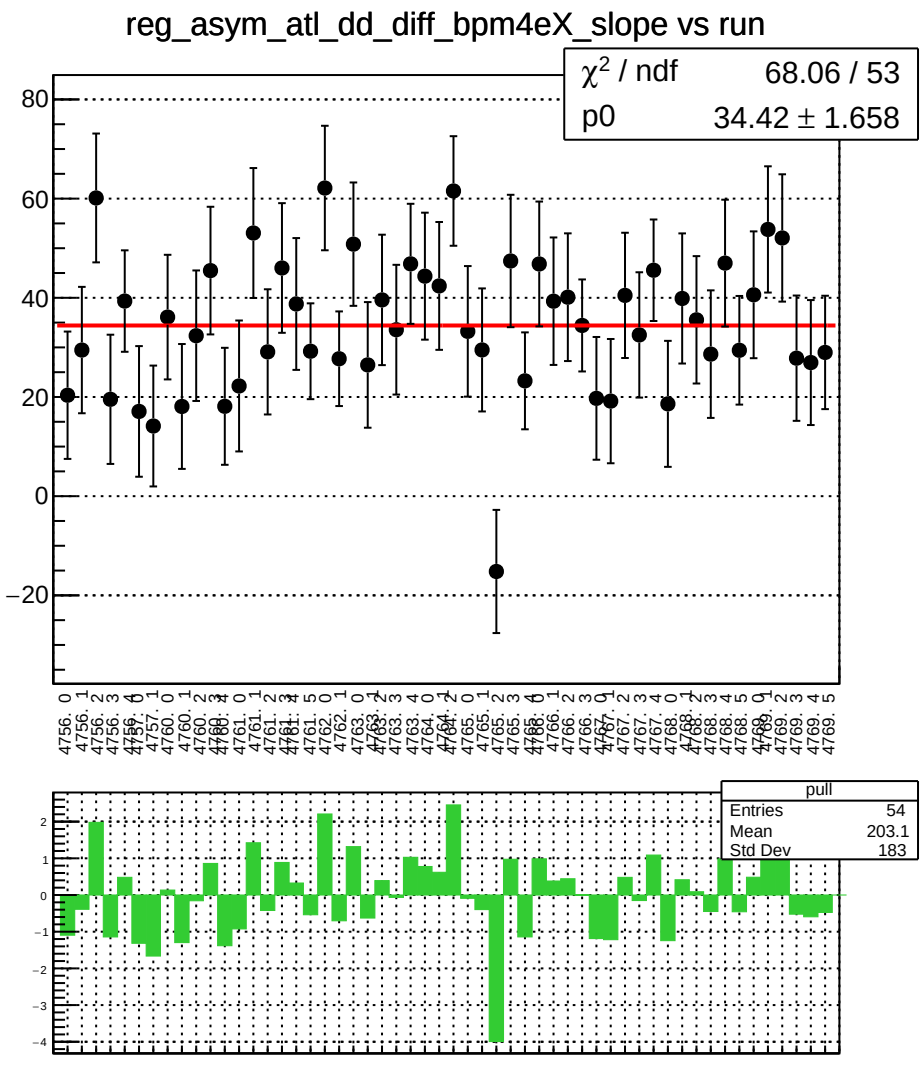

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.07 / 53
p0 2.372 ± 11.73
pull
Entries 54
Mean −252
Std Dev 279.2
pull1D
Entries 54
Mean 0.008273
Std Dev 1.001

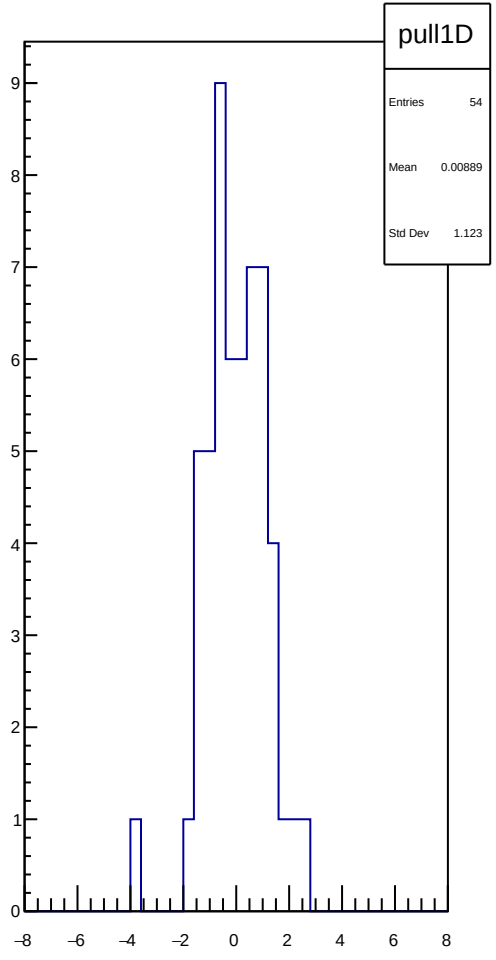

reg_asym_atl_avg_diff_bpm11X_slope vs run
χ² / ndf 42.88 / 53
p0 −8.108 ± 2.63
pull
Entries 54
Mean −13.25
Std Dev 68.29

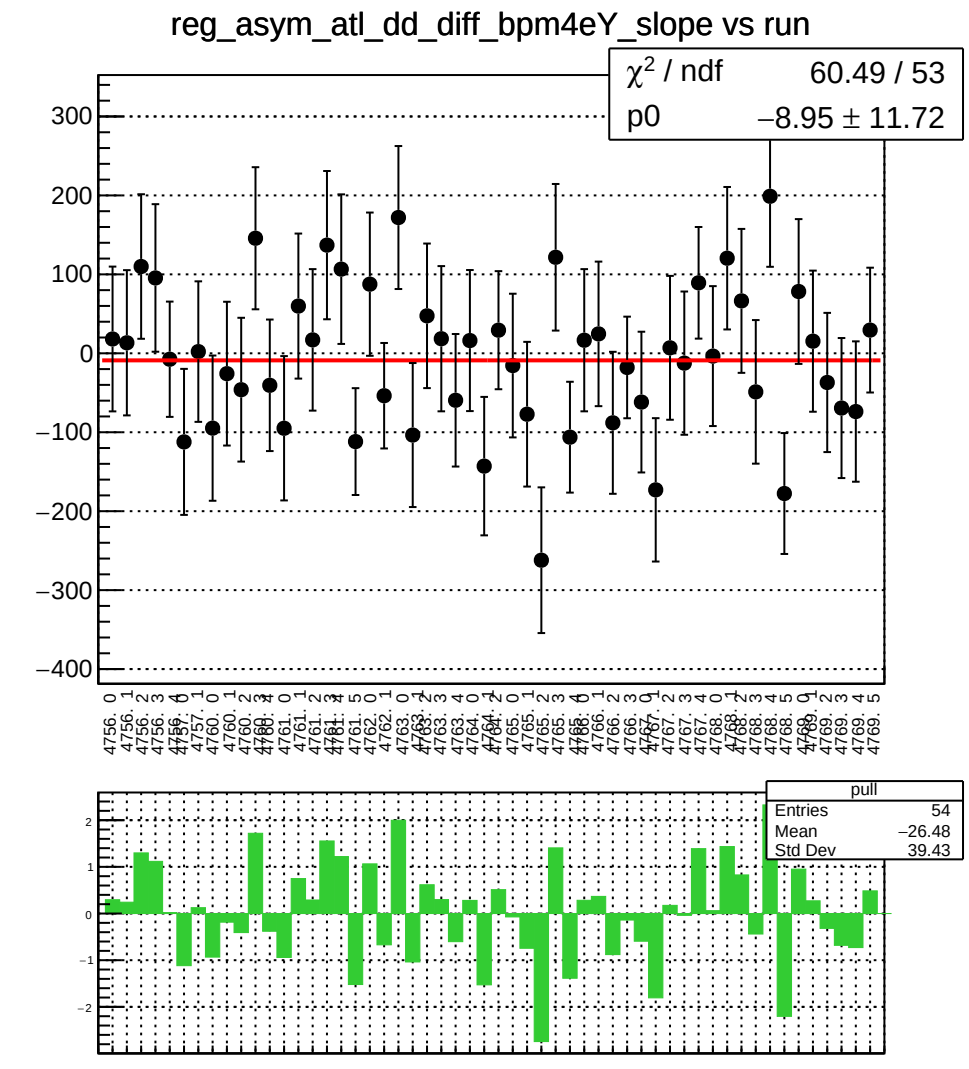

pull1D
Entries 54
Mean 0.01299
Std Dev 0.891

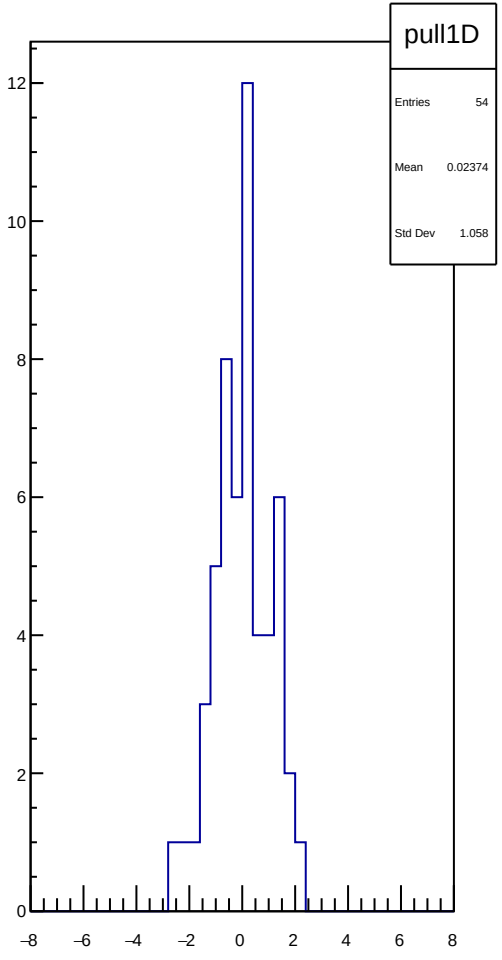

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.15 / 53
p0 −12.9 ± 8.16
pull
Entries 54
Mean 1997
Std Dev 1978
pull1D
Entries 54
Mean −0.0009209
Std Dev 0.8295

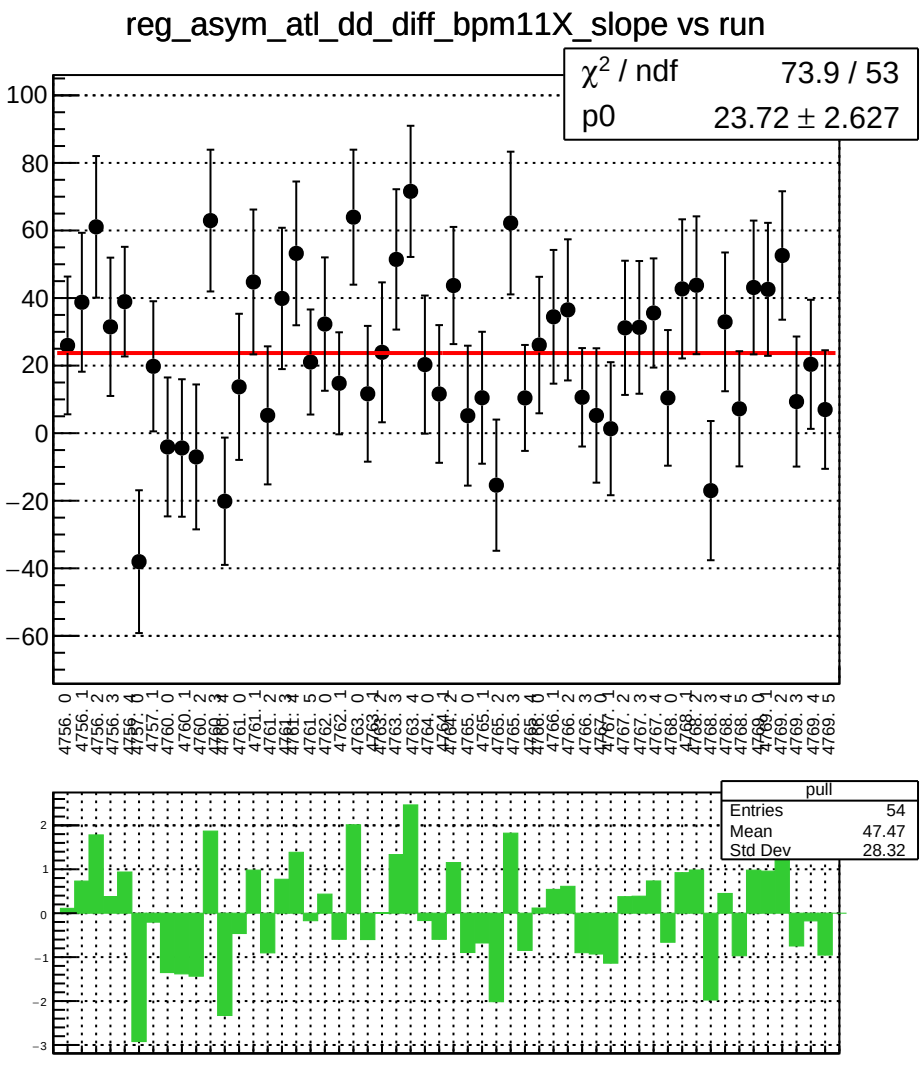

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.75 / 53
p0 8.117 ± 9.927
pull
Entries 54
Mean −45.78
Std Dev 61.43
pull1D
Entries 54
Mean −0.02417
Std Dev 1.136

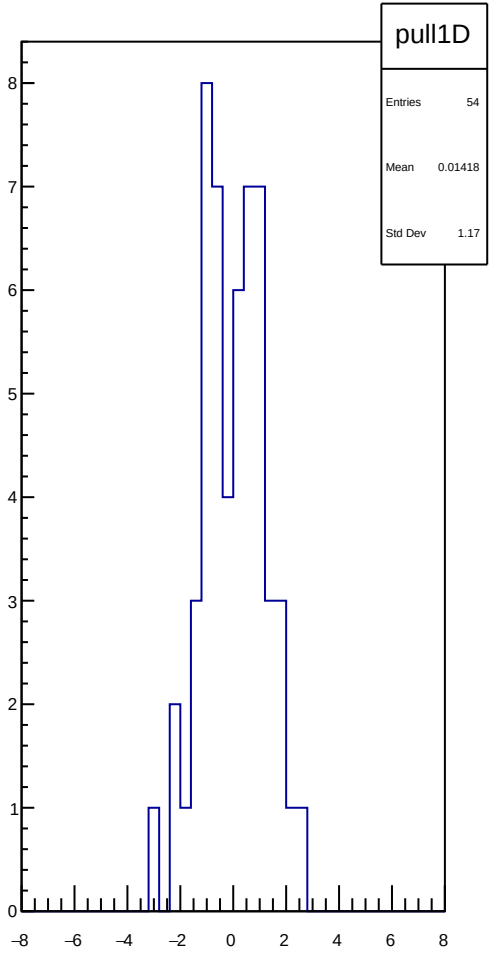

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.06 / 53
p0 34.42 ± 1.658
pull
Entries 54
Mean 203.1
Std Dev 183

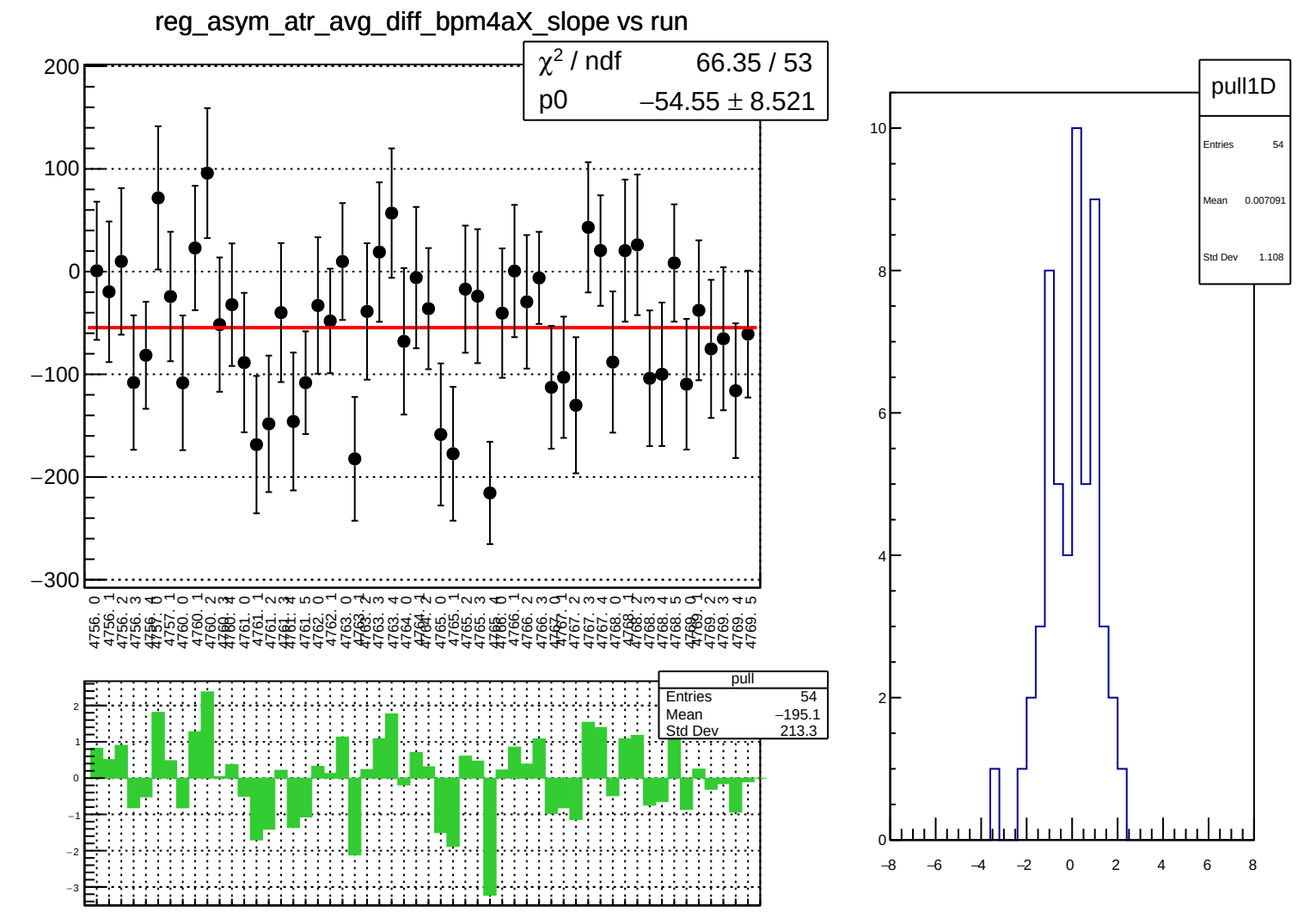

pull1D
Entries 54
Mean 0.00889
Std Dev 1.123

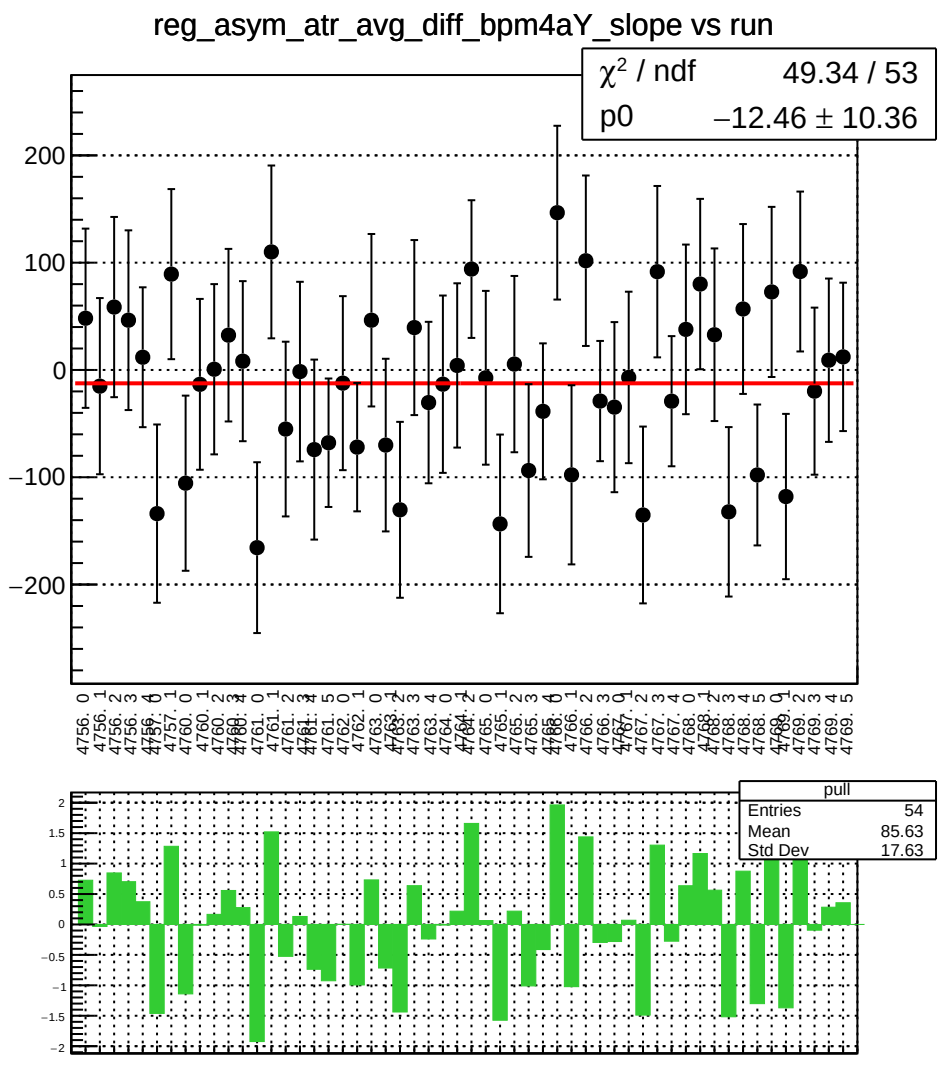

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 60.49 / 53
p0 −8.95 ± 11.72
pull
Entries 54
Mean −26.48
Std Dev 39.43

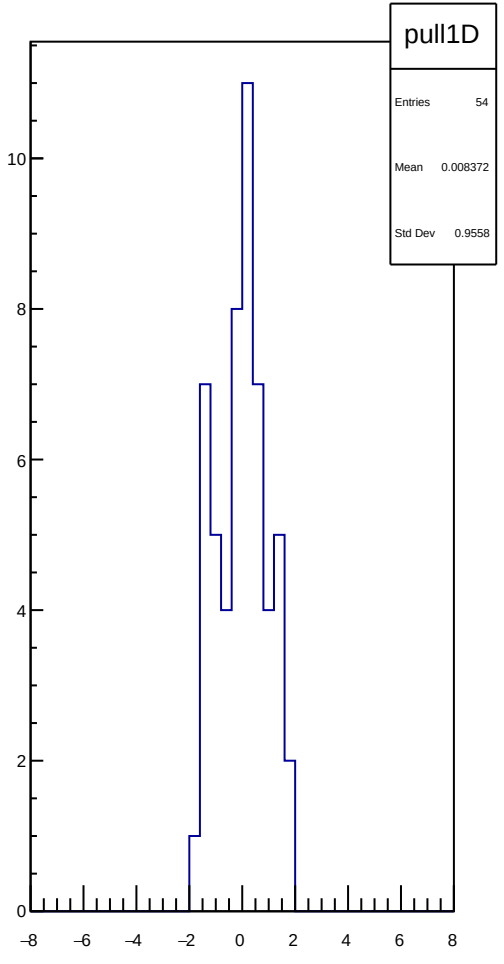

pull1D
Entries 54
Mean 0.02374
Std Dev 1.058

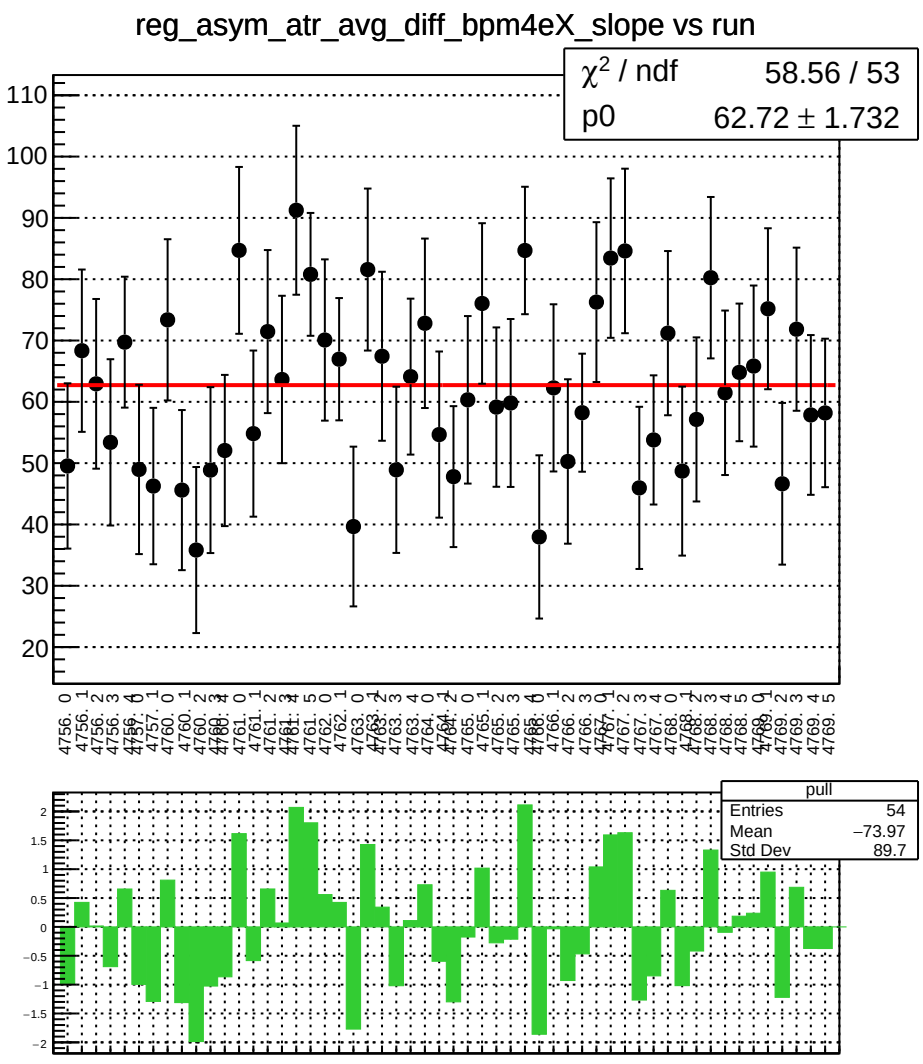

reg_asym_atl_dd_diff_bpm11X_slope vs run
χ² / ndf 73.9 / 53
p0 23.72 ± 2.627
pull
Entries 54
Mean 47.47
Std Dev 28.32

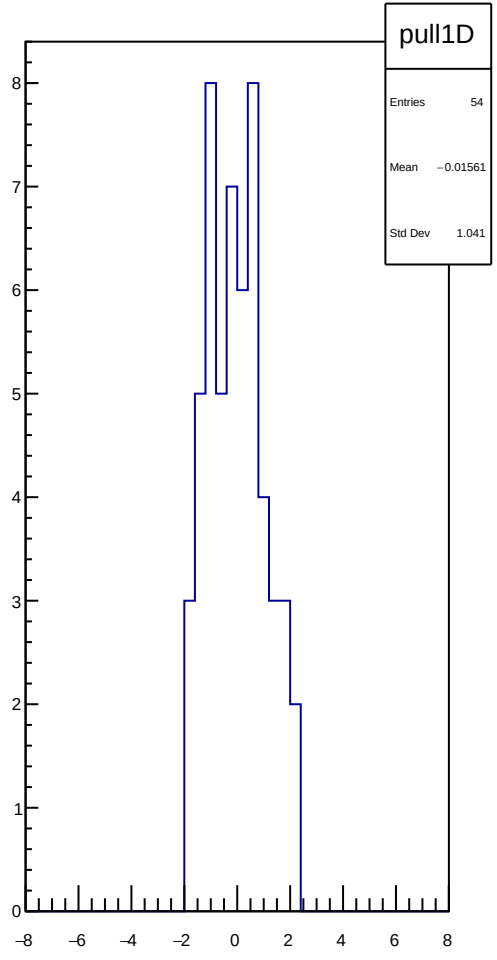

pull1D
Entries 54
Mean 0.01418
Std Dev 1.17

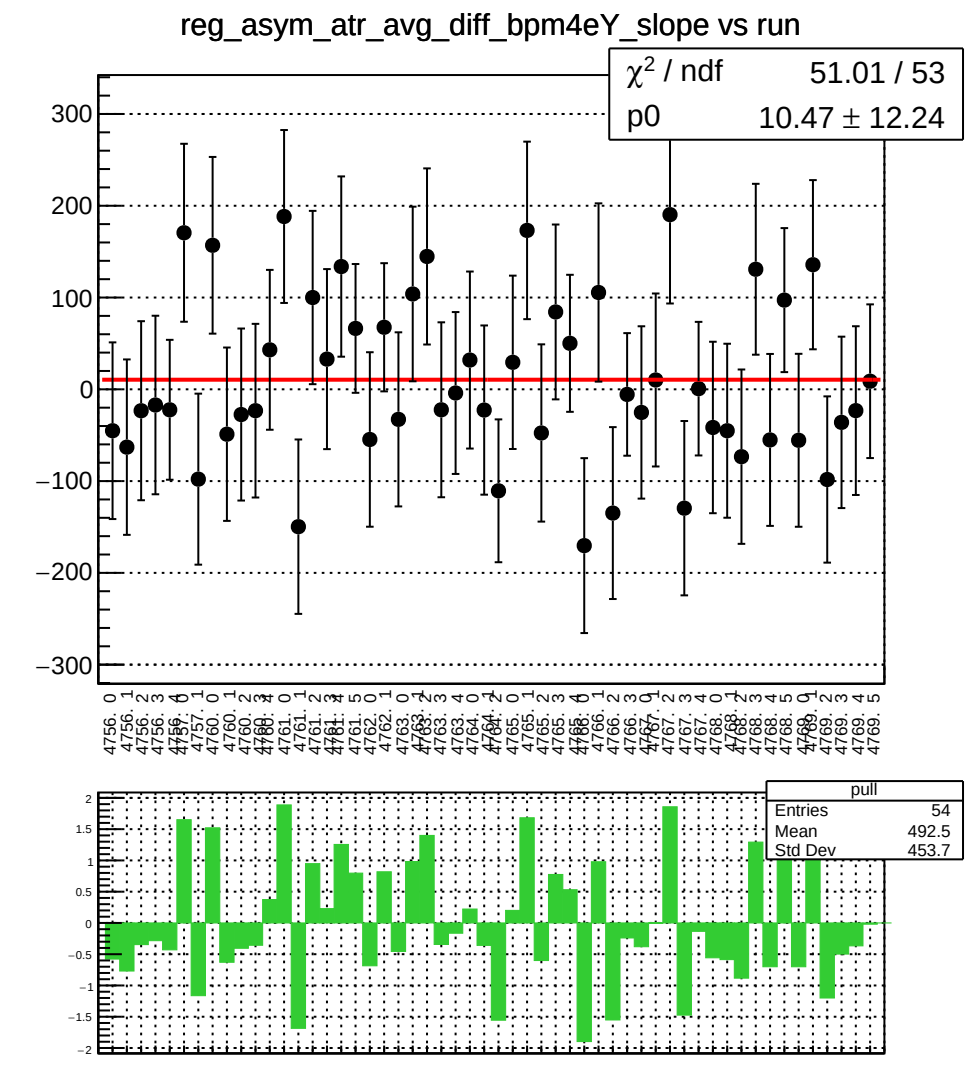

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 66.35 / 53
p0 −54.55 ± 8.521
pull
Entries 54
Mean −195.1
Std Dev 213.3
pull1D
Entries 54
Mean 0.007091
Std Dev 1.108

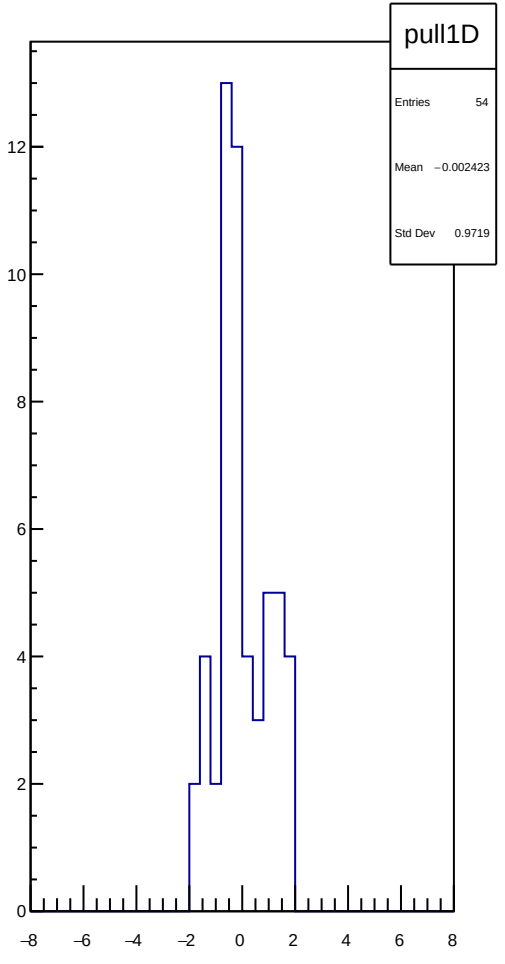

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.34 / 53
p0 −12.46 ± 10.36
200
100
0
−100
−200
pull
Entries 54
Mean 85.63
Std Dev 17.63
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

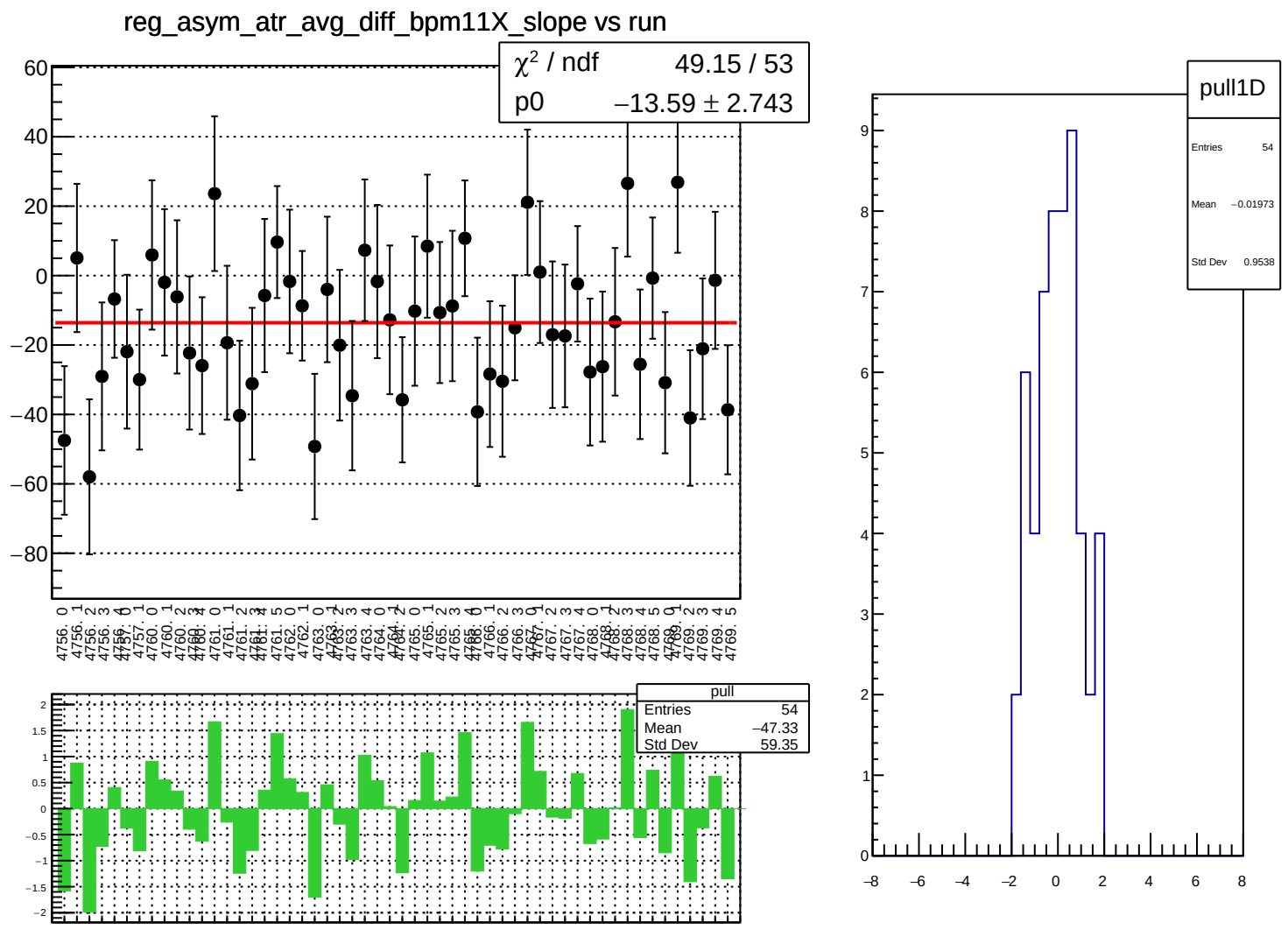

pull1D
Entries 54
Mean 0.008372
Std Dev 0.9558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

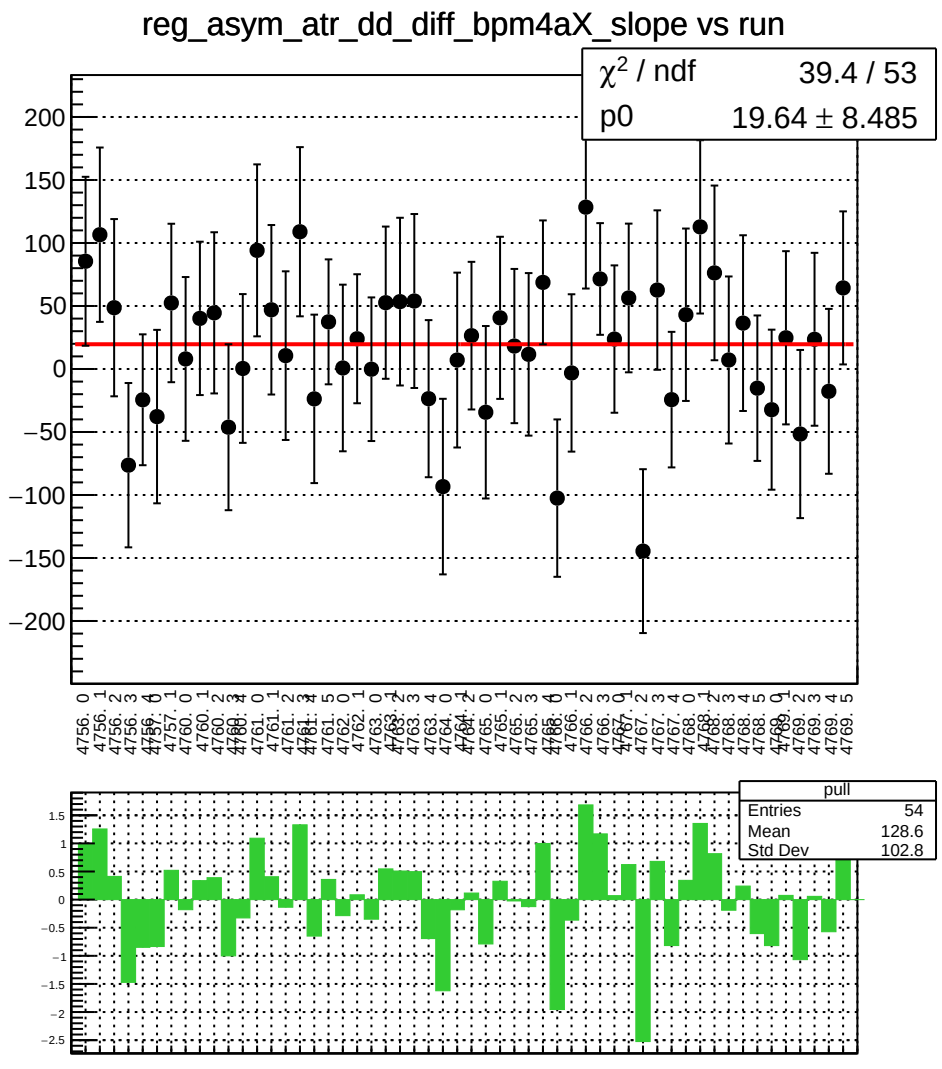

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.56 / 53
p0 62.72 ± 1.732
pull
Entries 54
Mean −73.97
Std Dev 89.7

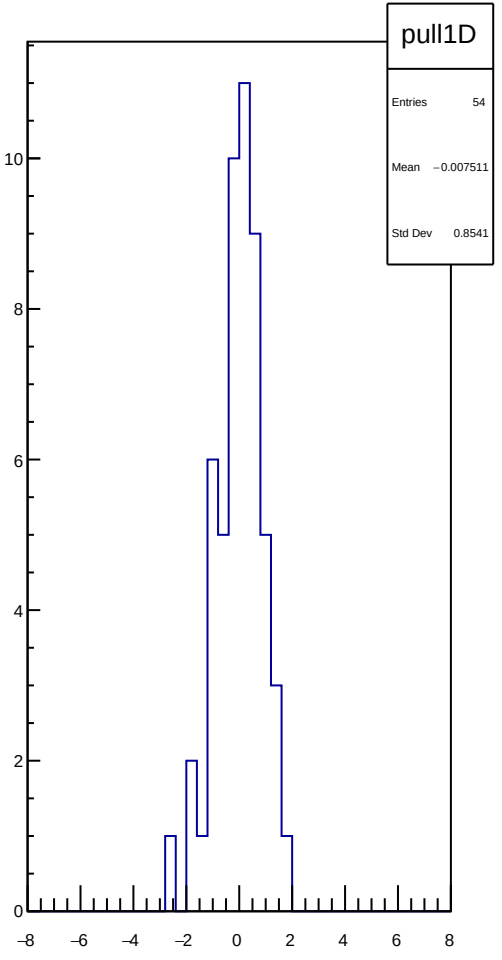

pull1D
Entries 54
Mean −0.01561
Std Dev 1.041

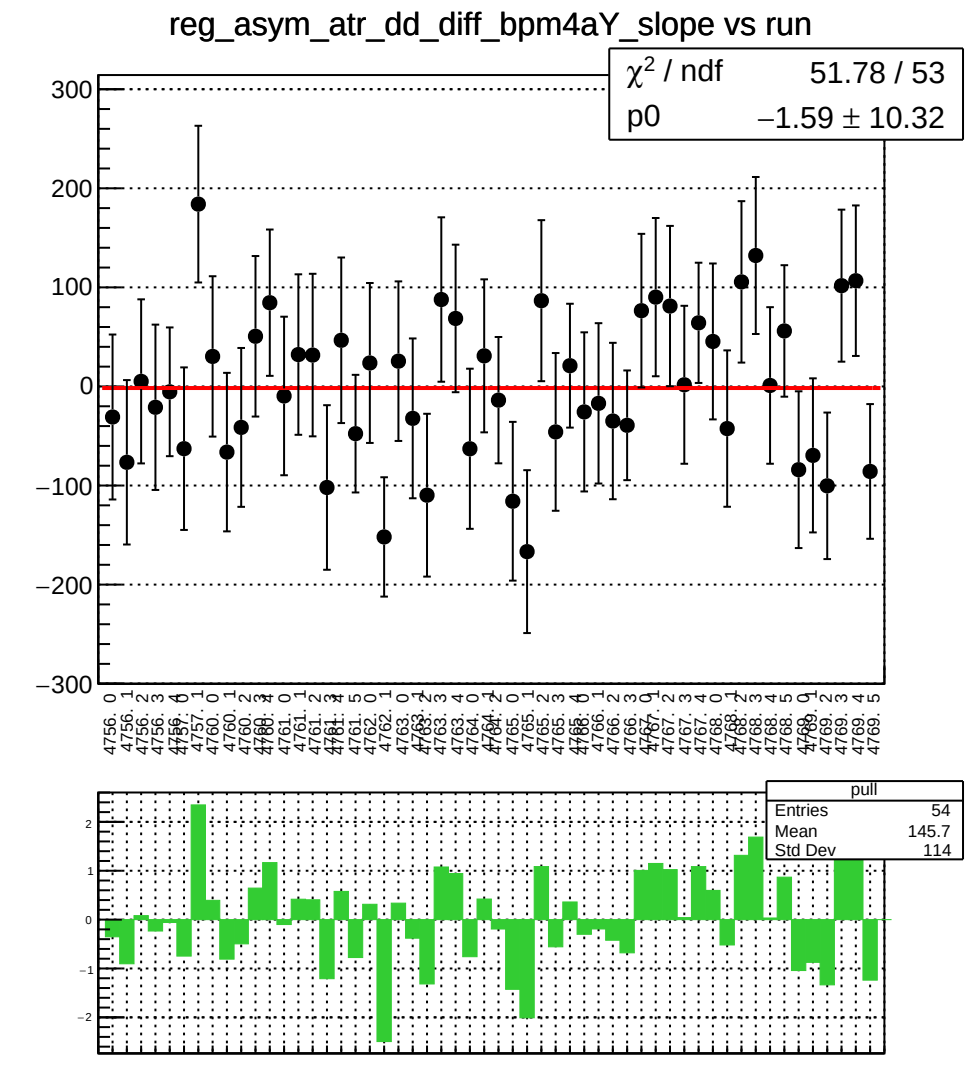

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.01 / 53
p0 10.47 ± 12.24
pull
Entries 54
Mean 492.5
Std Dev 453.7

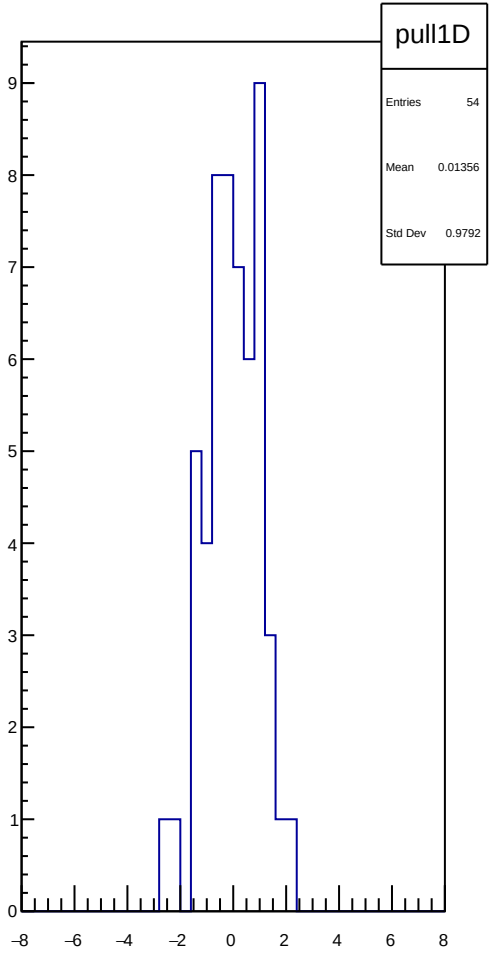

pull1D
Entries 54
Mean −0.002423
Std Dev 0.9719

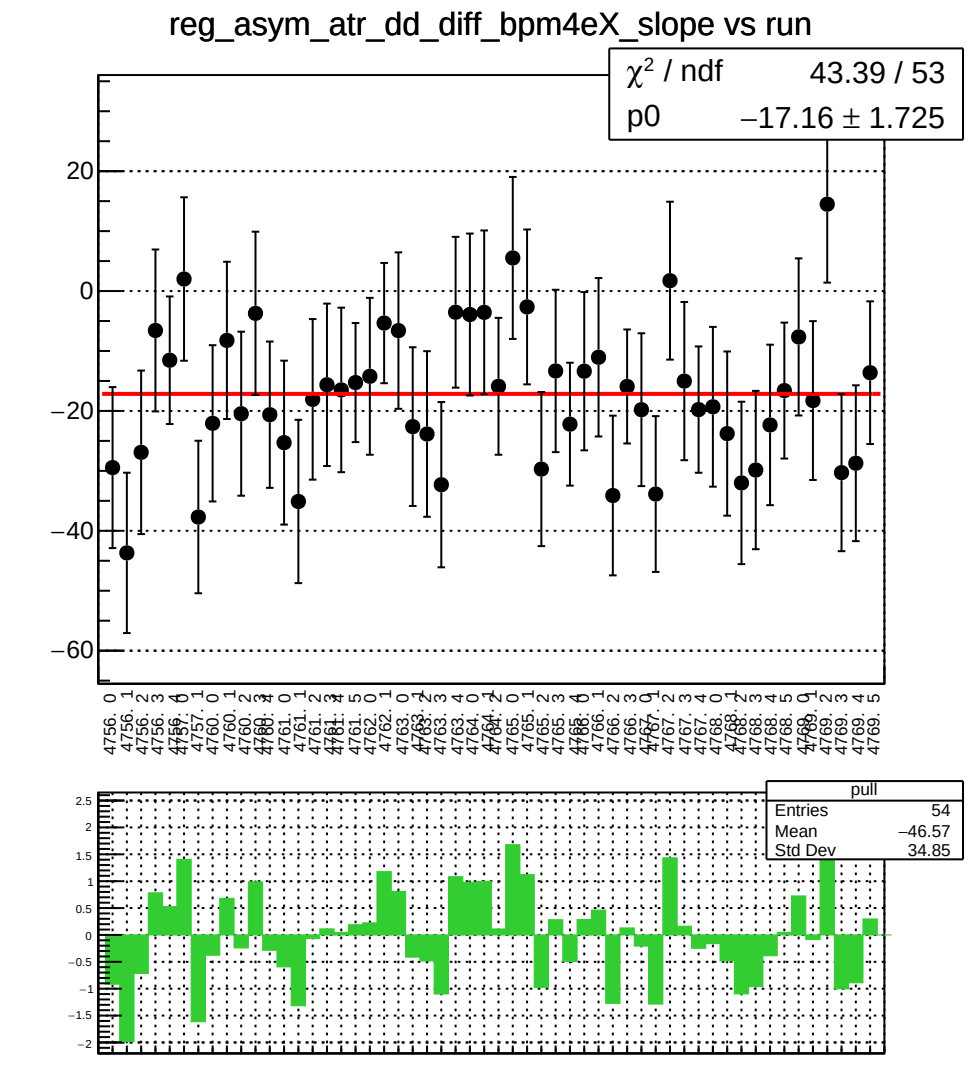

reg_asym_atr_avg_diff_bpm11X_slope vs run
χ² / ndf 49.15 / 53
p0 −13.59 ± 2.743
pull
Entries 54
Mean −47.33
Std Dev 59.35
pull1D
Entries 54
Mean −0.01973
Std Dev 0.9538

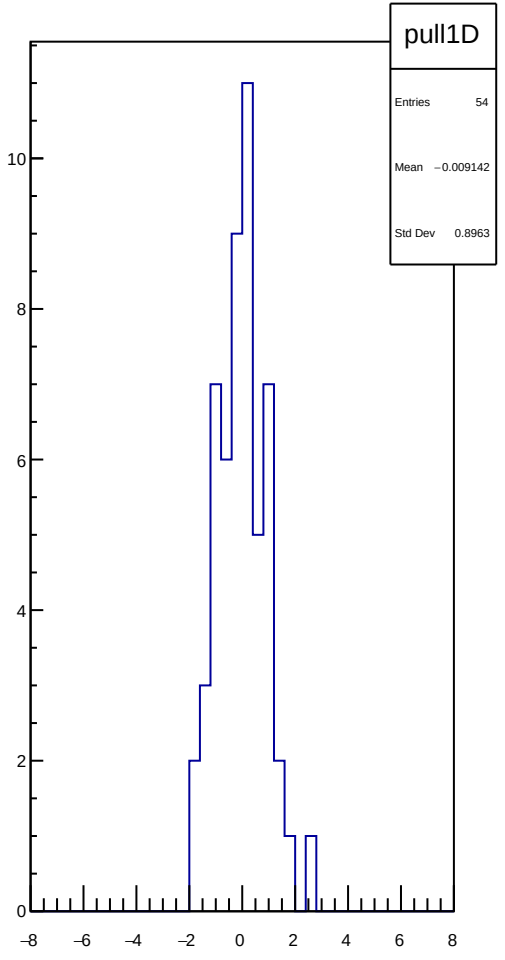

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ² / ndf 39.4 / 53
p0 19.64 ± 8.485
pull
Entries 54
Mean 128.6
Std Dev 102.8

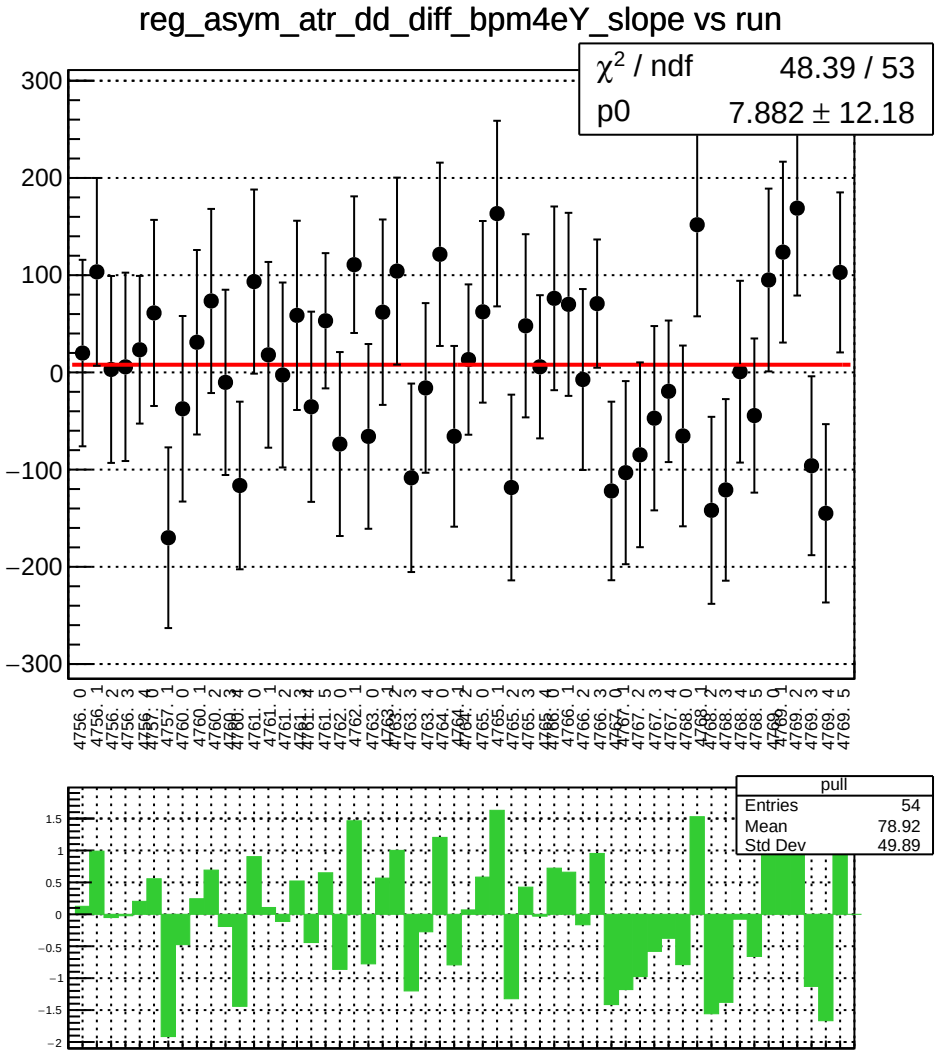

pull1D
Entries 54
Mean −0.007511
Std Dev 0.8541

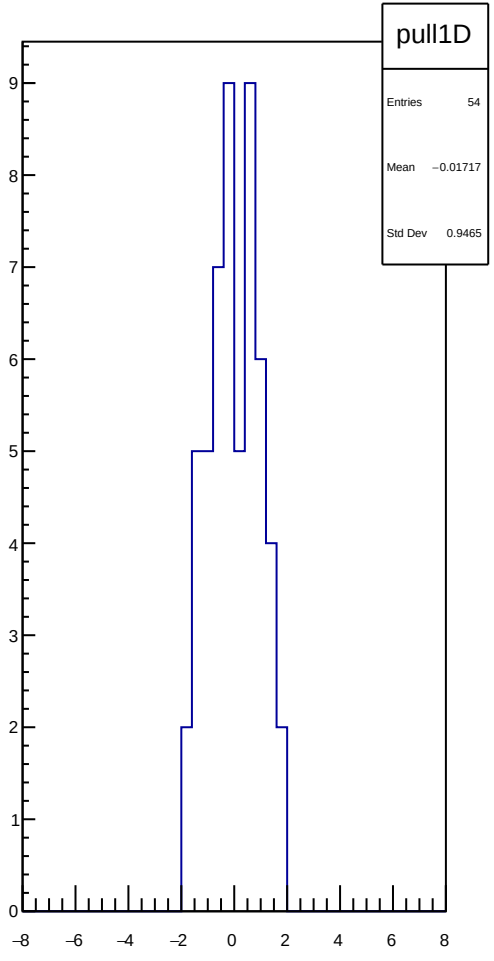

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.78 / 53
p0 −1.59 ± 10.32
pull
Entries 54
Mean 145.7
Std Dev 114

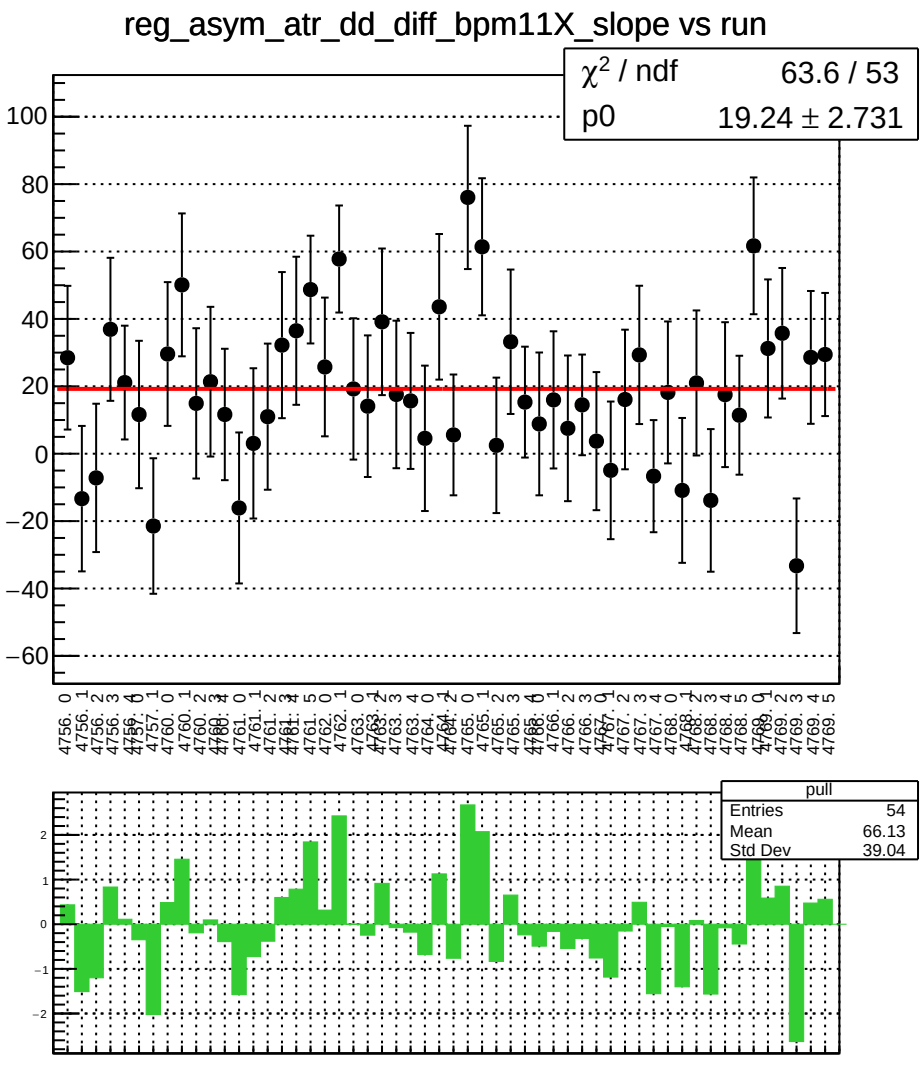

pull1D
Entries 54
Mean 0.01356
Std Dev 0.9792

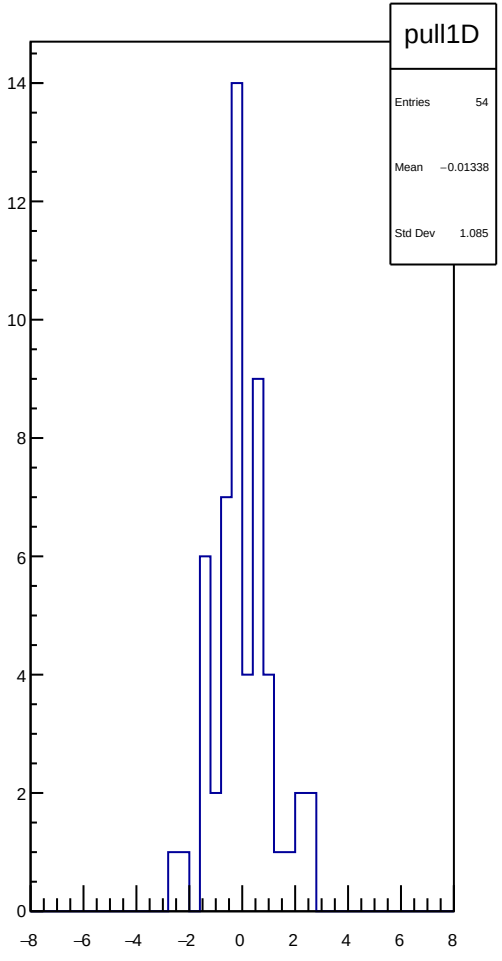

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.39 / 53
p0 −17.16 ± 1.725
pull
Entries 54
Mean −46.57
Std Dev 34.85

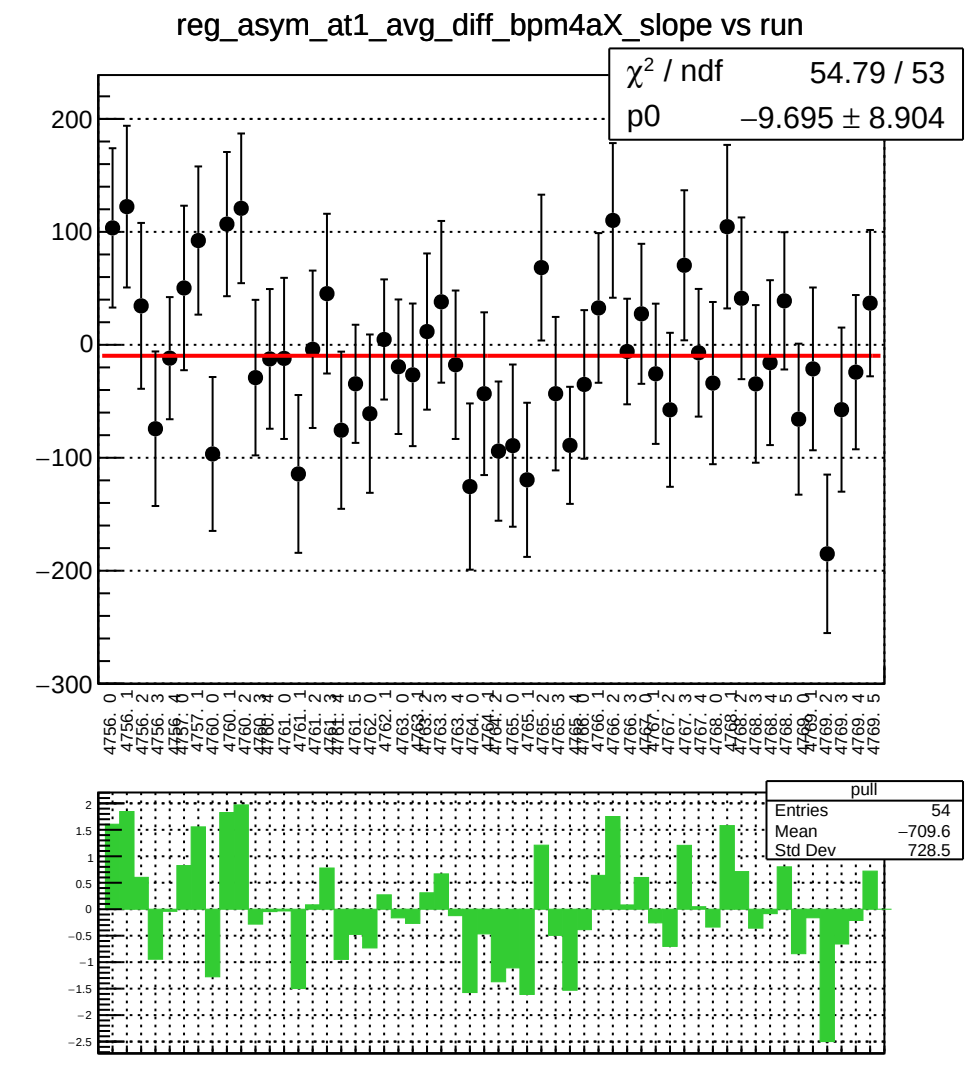

pull1D
Entries 54
Mean −0.009142
Std Dev 0.8963

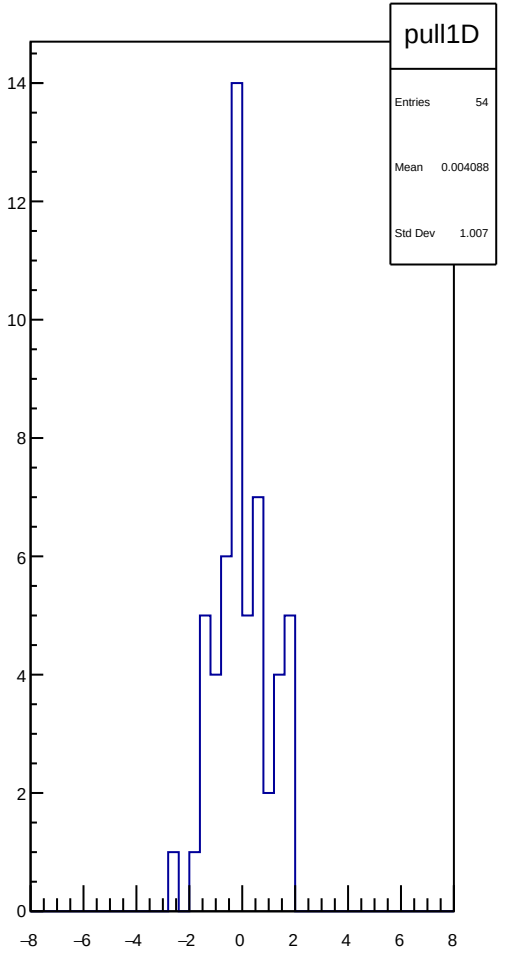

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.39 / 53
p0 7.882 ± 12.18
pull
Entries 54
Mean 78.92
Std Dev 49.89

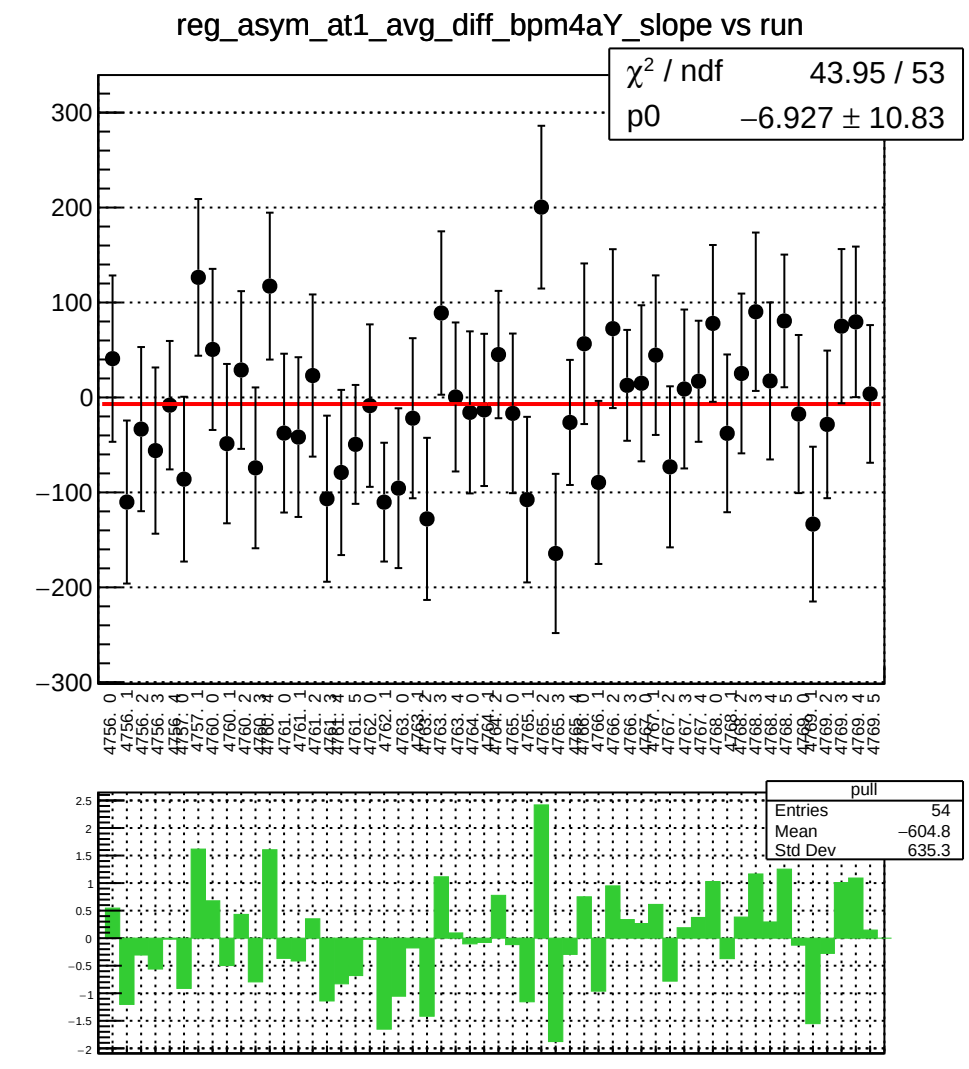

pull1D
Entries 54
Mean −0.01717
Std Dev 0.9465

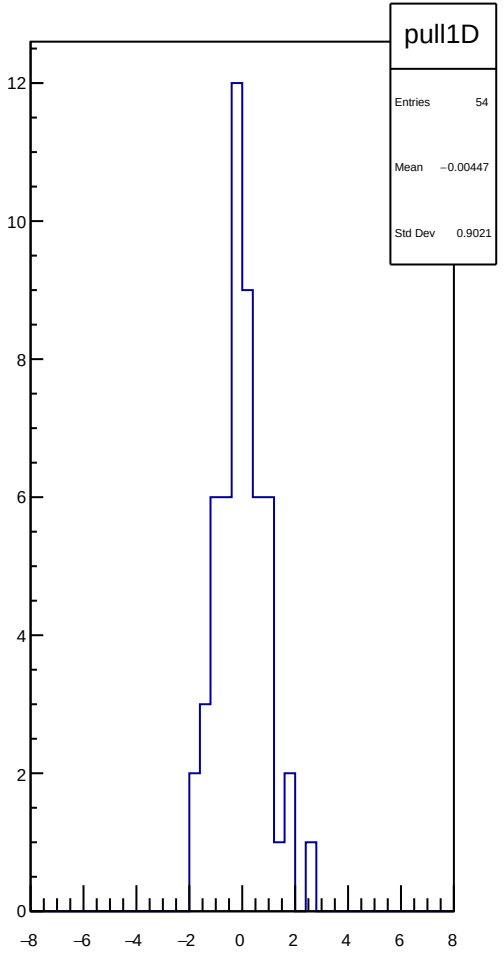

reg_asym_atr_dd_diff_bpm11X_slope vs run
χ² / ndf 63.6 / 53
p0 19.24 ± 2.731
pull
Entries 54
Mean 66.13
Std Dev 39.04

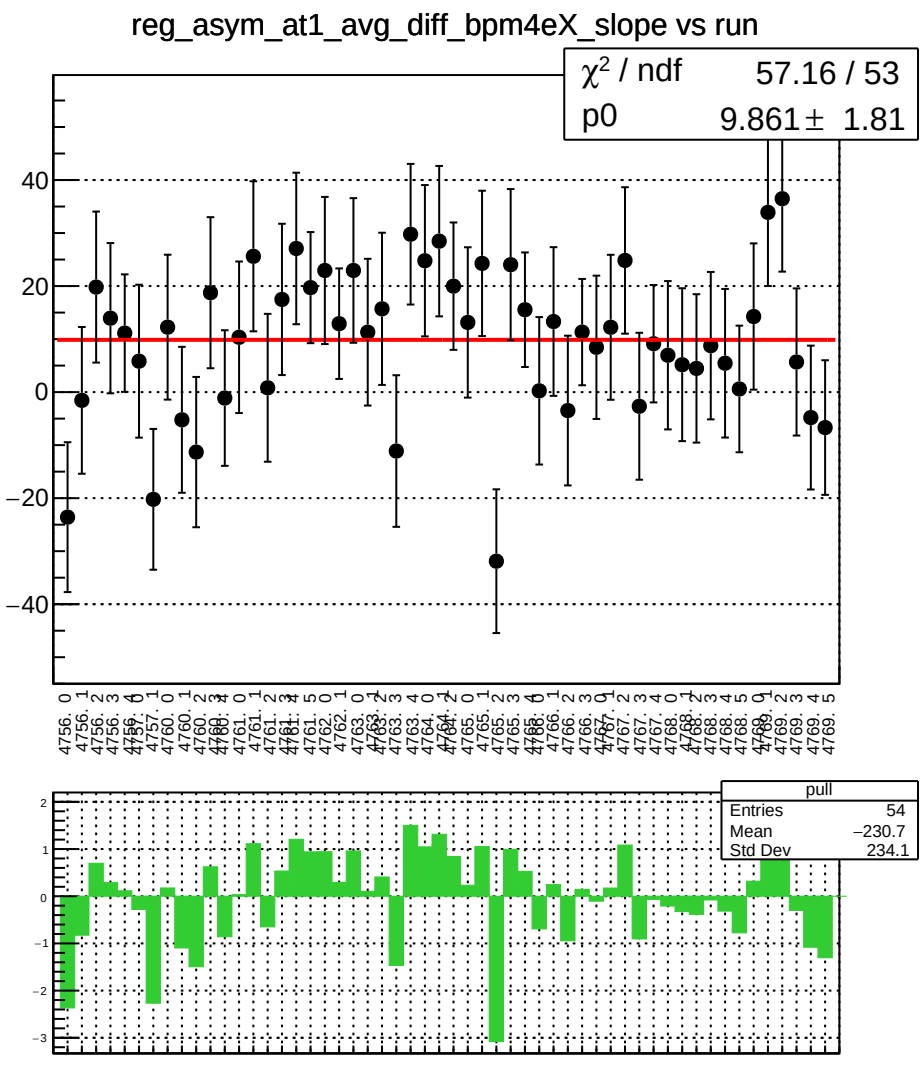

pull1D
Entries 54
Mean −0.01338
Std Dev 1.085

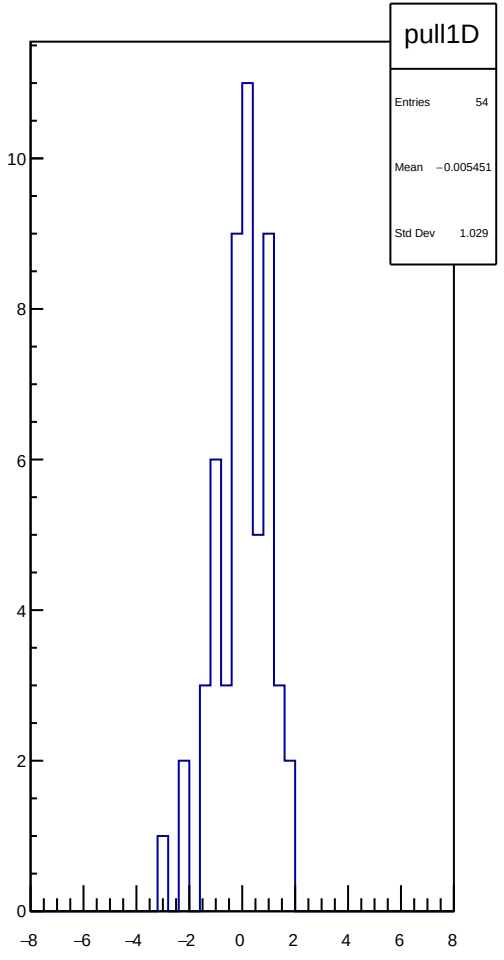

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.79 / 53
p0 −9.695 ± 8.904
pull
Entries 54
Mean −709.6
Std Dev 728.5

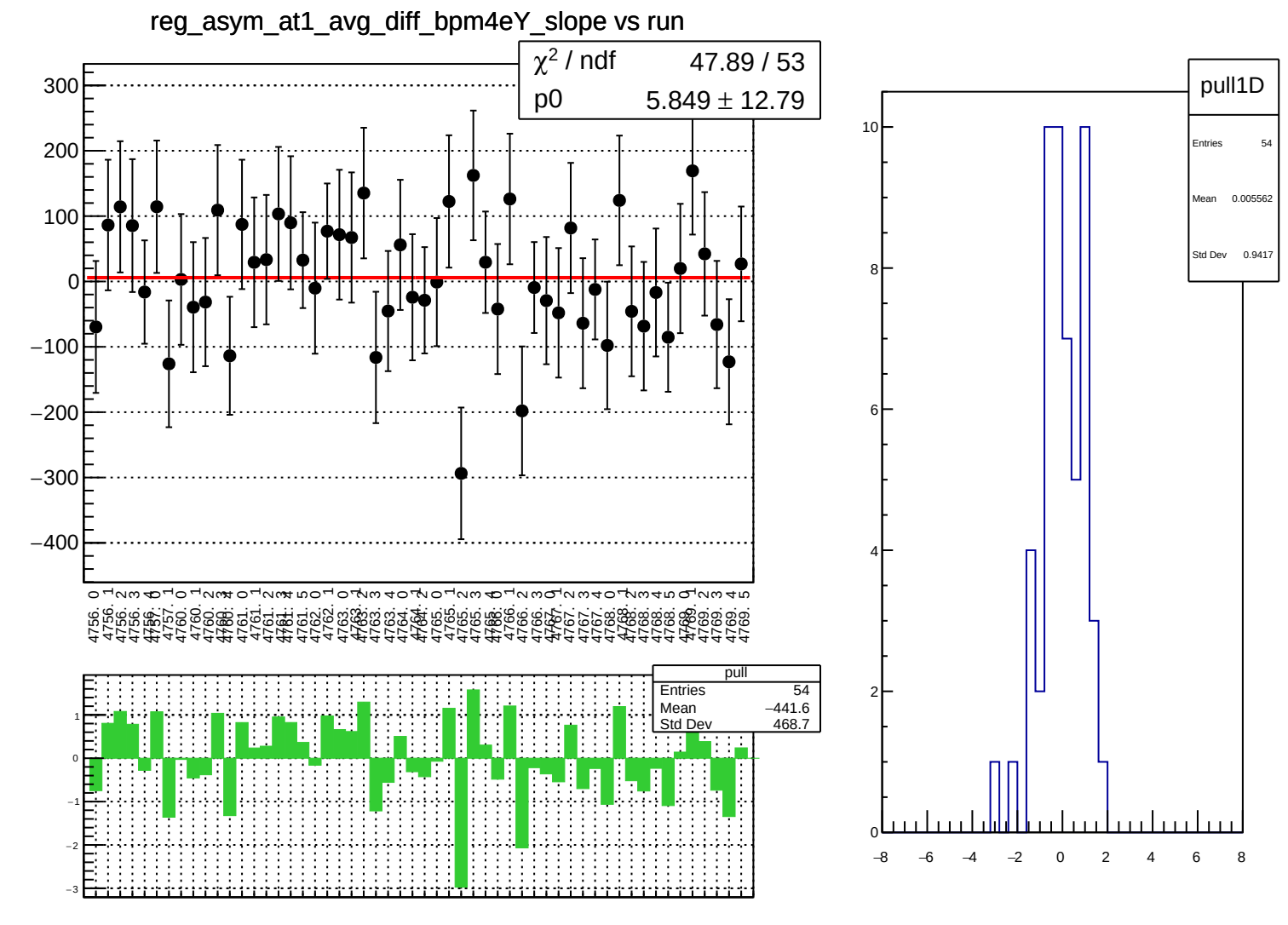

pull1D
Entries 54
Mean 0.004088
Std Dev 1.007

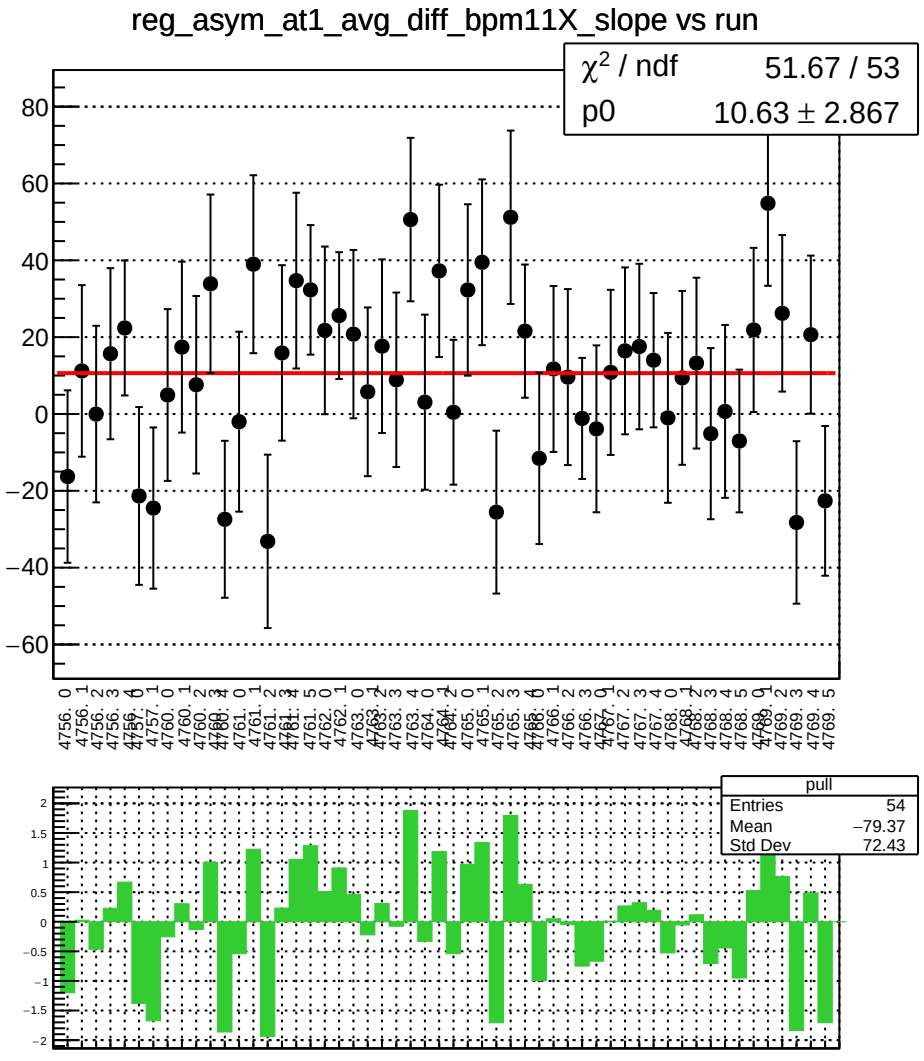

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.95 / 53
p0 −6.927 ± 10.83
pull
Entries 54
Mean −604.8
Std Dev 635.3

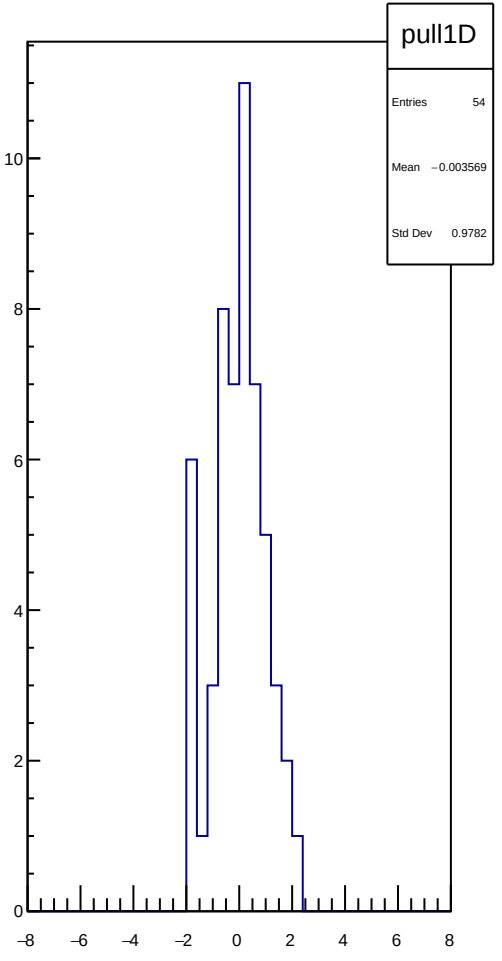

pull1D
Entries 54
Mean −0.00447
Std Dev 0.9021

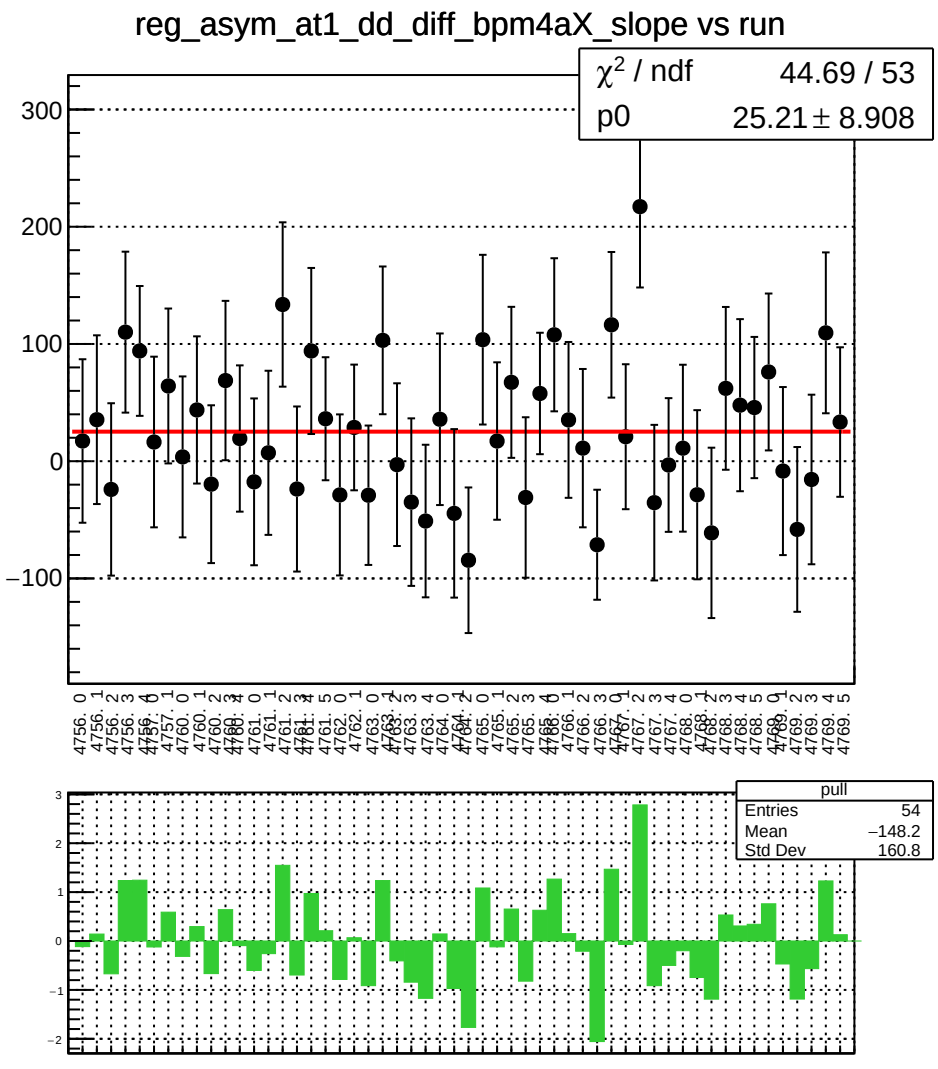

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.16 / 53
p0 9.861 ± 1.81
pull
Entries 54
Mean −230.7
Std Dev 234.1

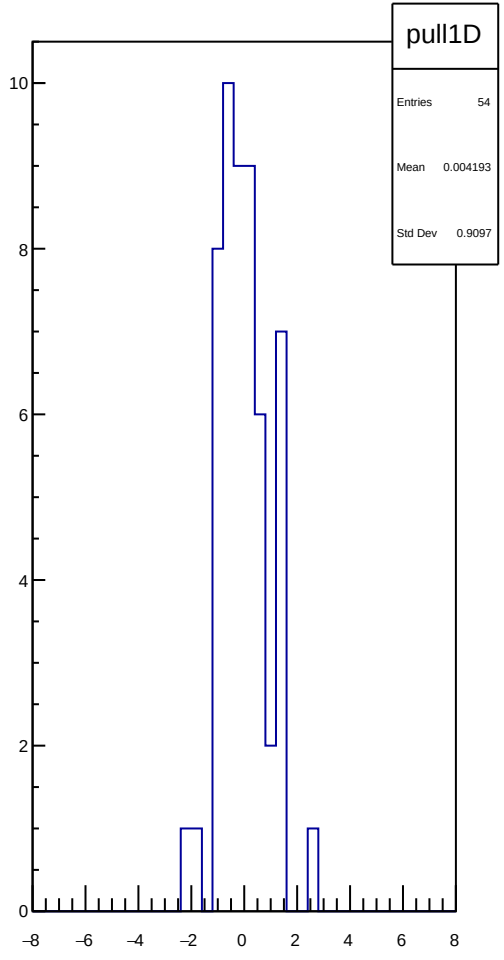

pull1D
Entries 54
Mean −0.005451
Std Dev 1.029

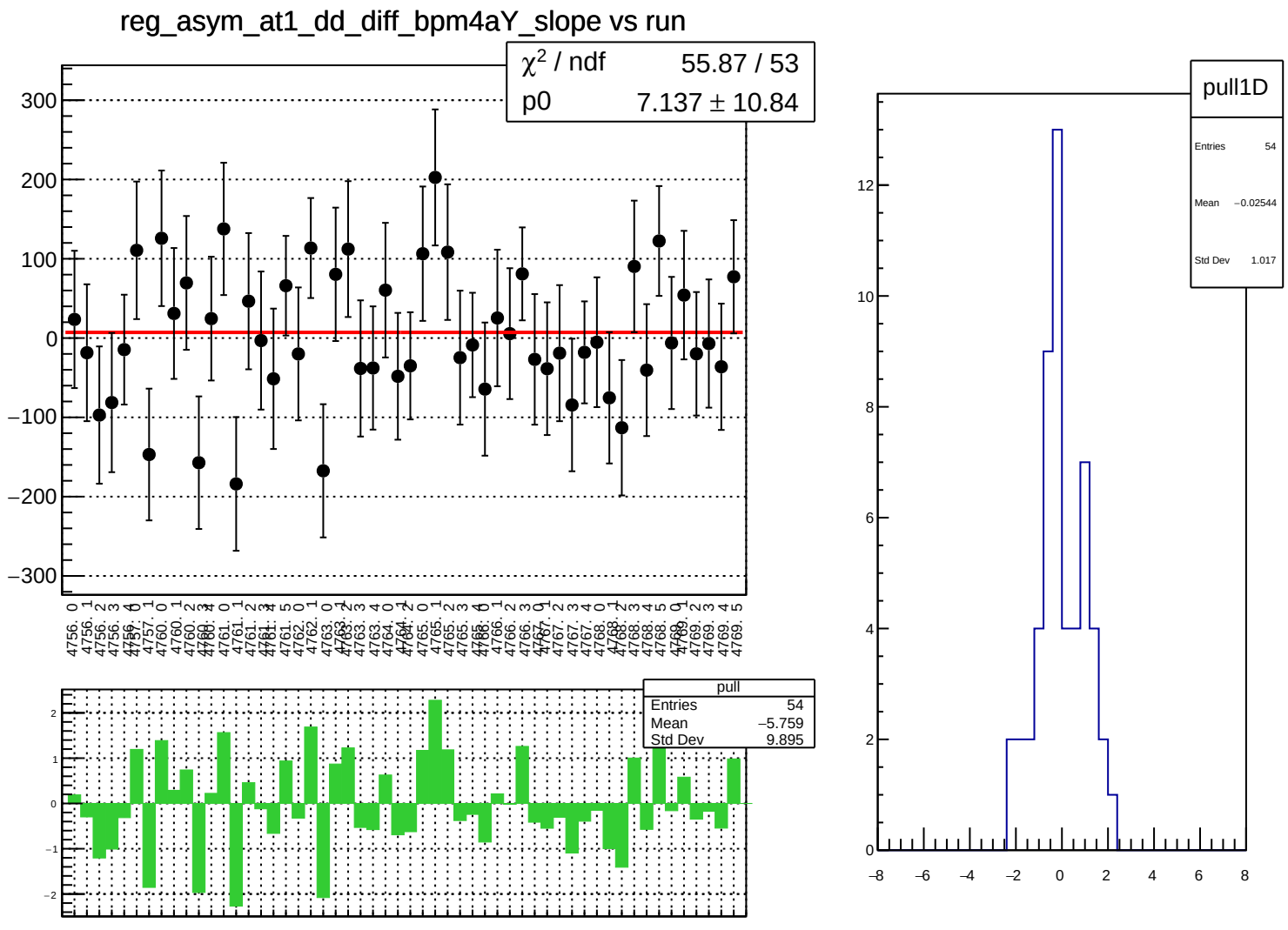

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.89 / 53
p0 5.849 ± 12.79
pull
Entries 54
Mean −441.6
Std Dev 468.7
pull1D
Entries 54
Mean 0.005562
Std Dev 0.9417

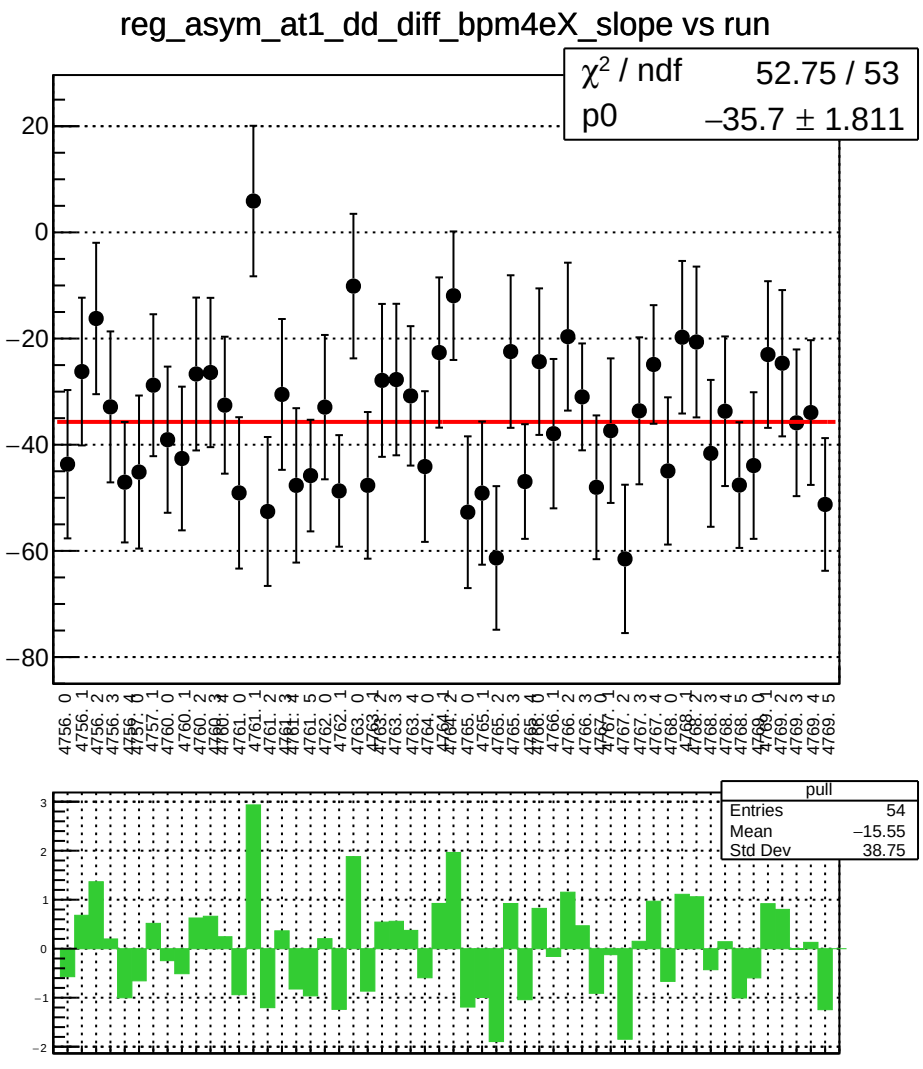

reg_asym_at1_avg_diff_bpm11X_slope vs run
χ² / ndf 51.67 / 53
p0 10.63 ± 2.867
pull
Entries 54
Mean −79.37
Std Dev 72.43

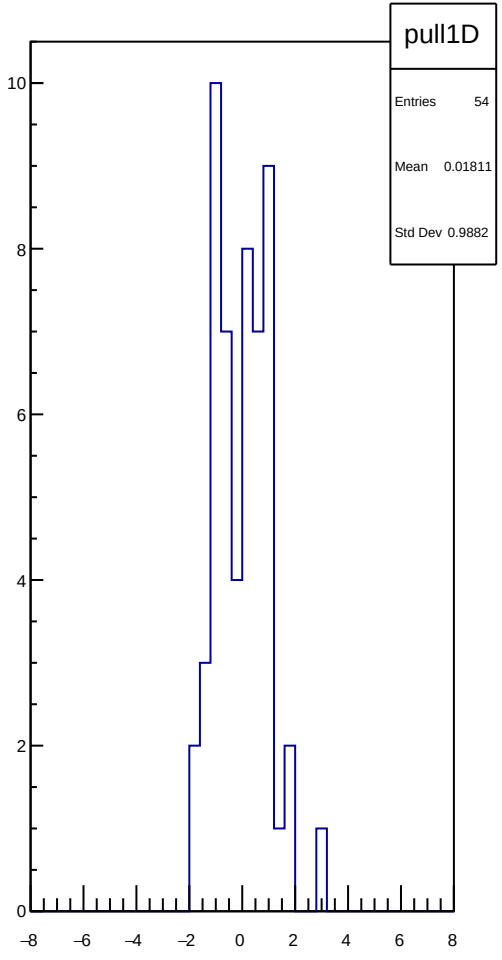

pull1D
Entries 54
Mean −0.003569
Std Dev 0.9782

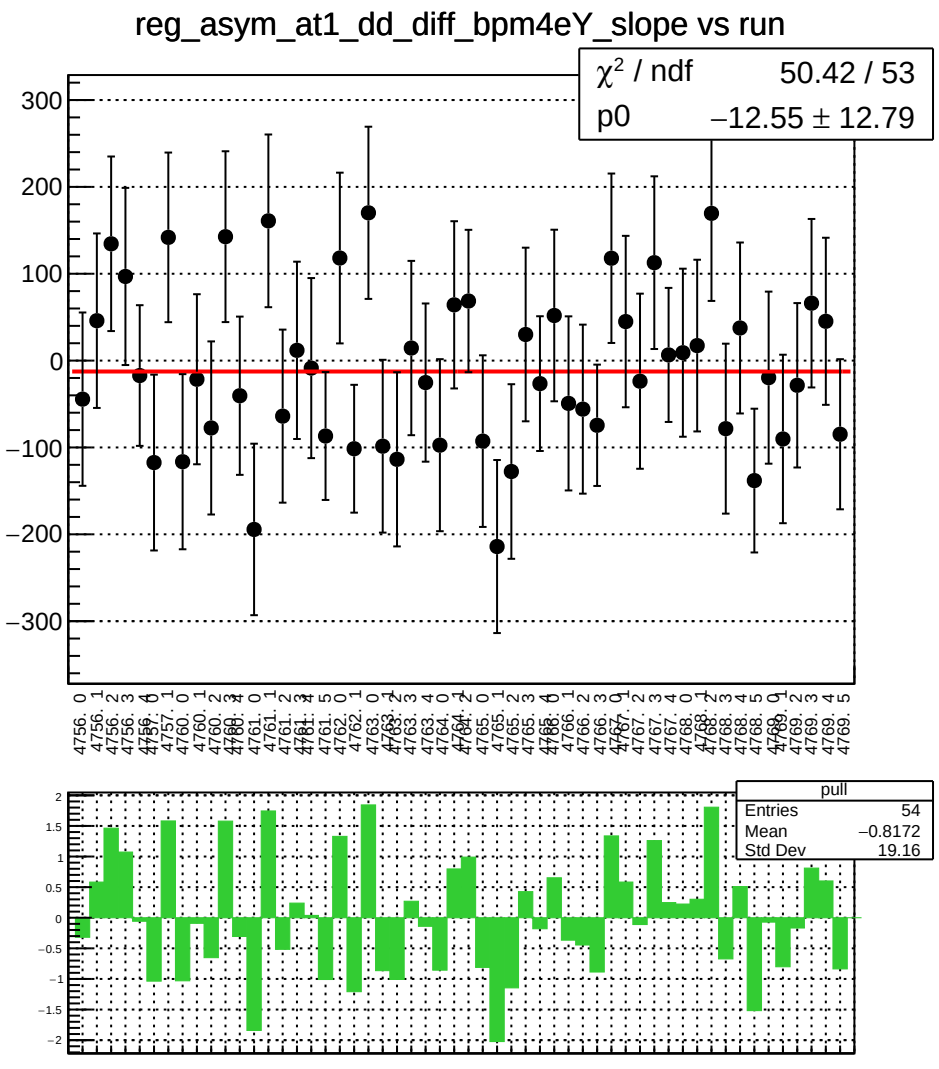

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.69 / 53
p0 25.21 ± 8.908
300
200
100
0
−100
pull
Entries 54
Mean −148.2
Std Dev 160.8
3
2
1
0
−1
−2

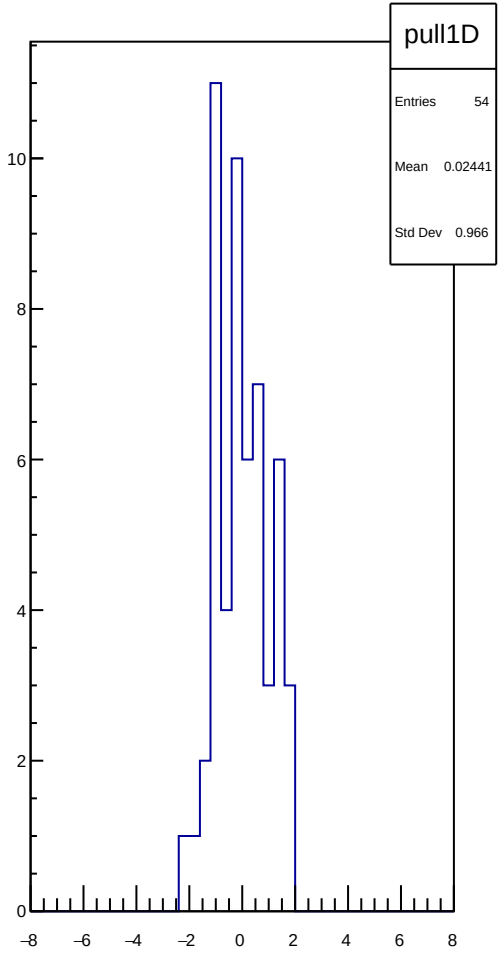

pull1D
Entries 54
Mean 0.004193
Std Dev 0.9097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

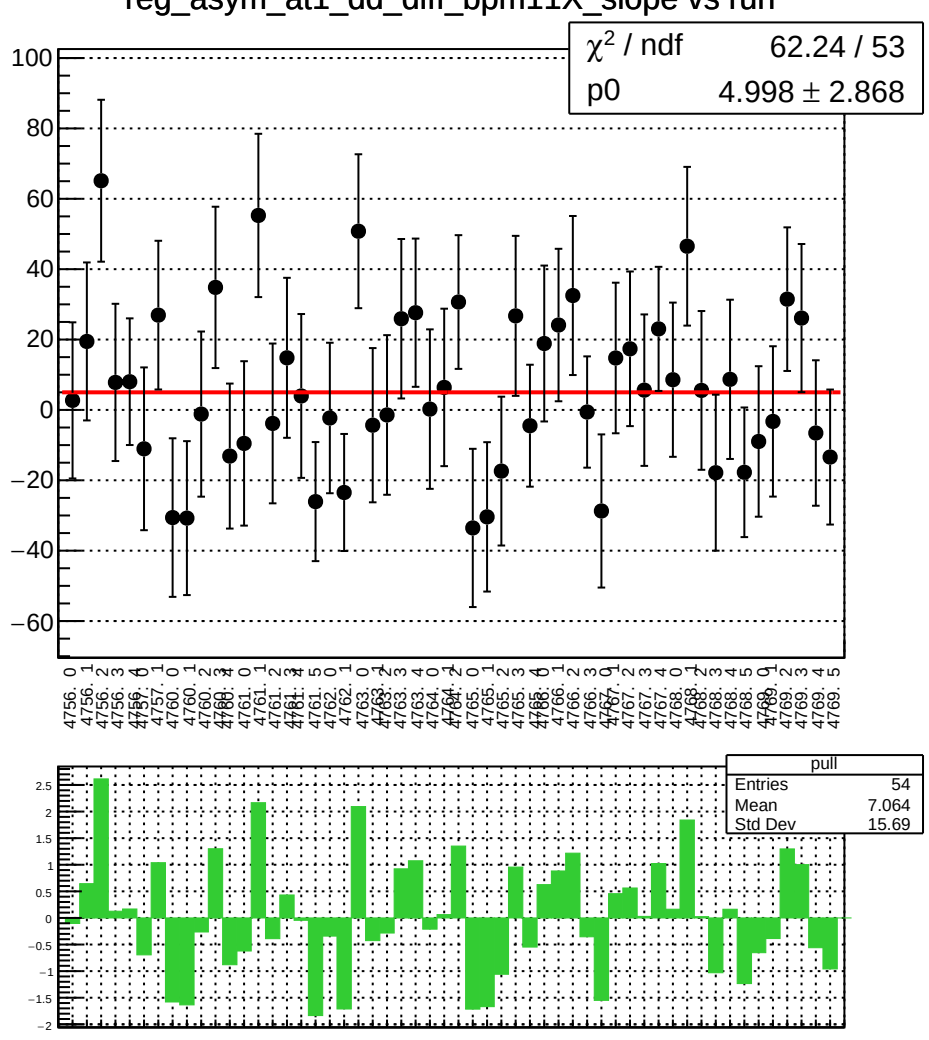

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.87 / 53
p0 7.137 ± 10.84
pull
Entries 54
Mean −5.759
Std Dev 9.895
pull1D
Entries 54
Mean −0.02544
Std Dev 1.017

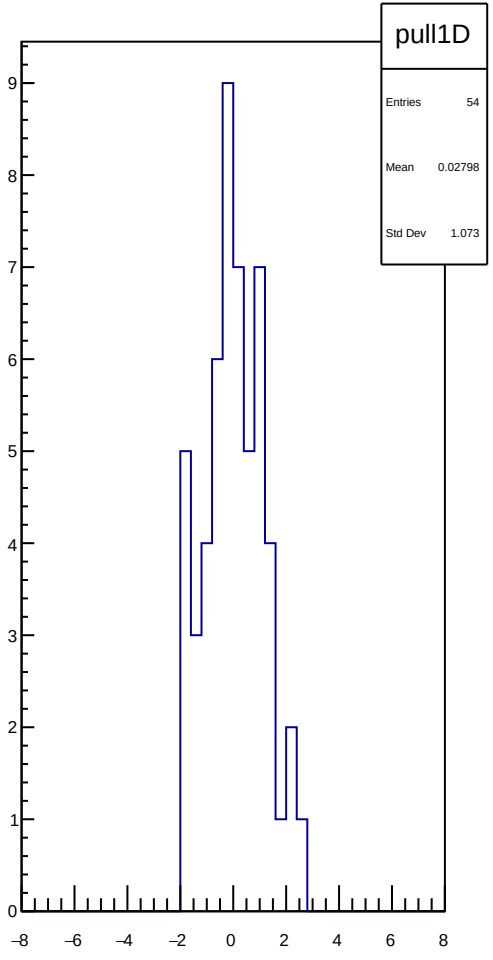

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.75 / 53
p0 −35.7 ± 1.811
pull
Entries 54
Mean −15.55
Std Dev 38.75

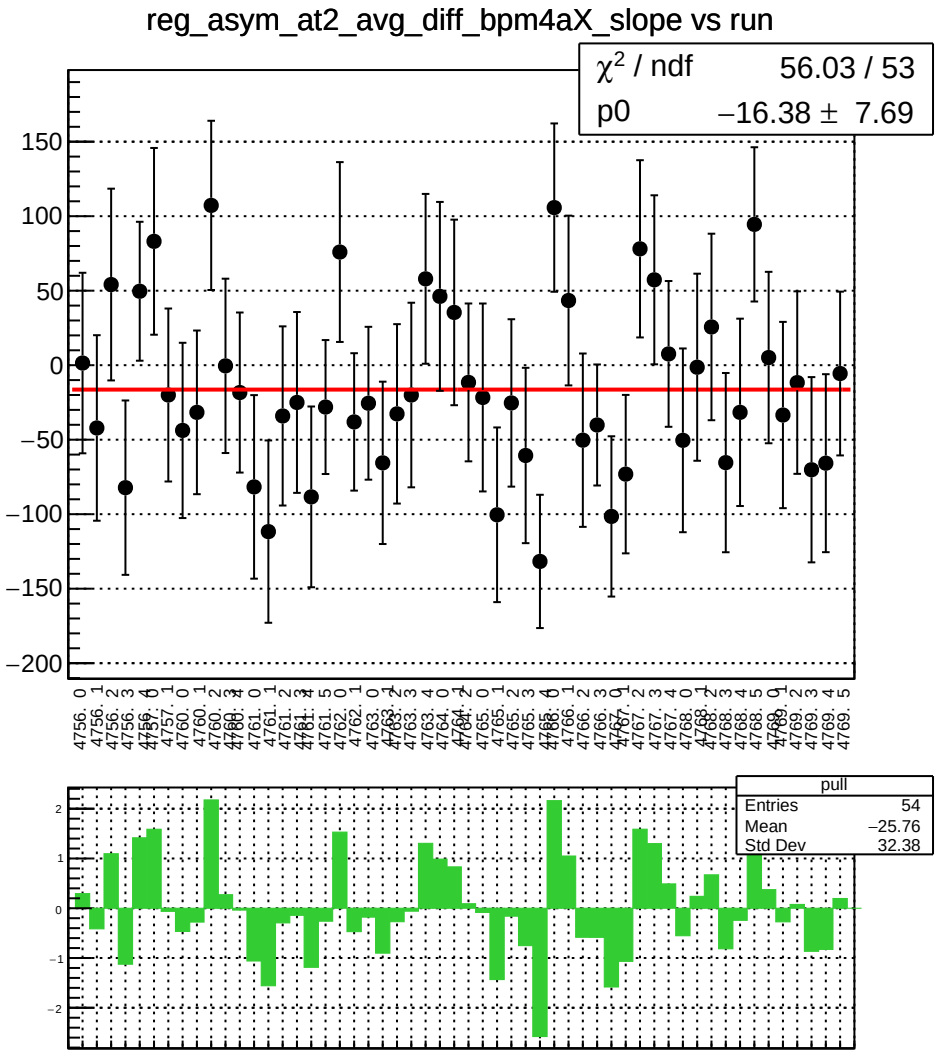

pull1D
Entries 54
Mean 0.01811
Std Dev 0.9882

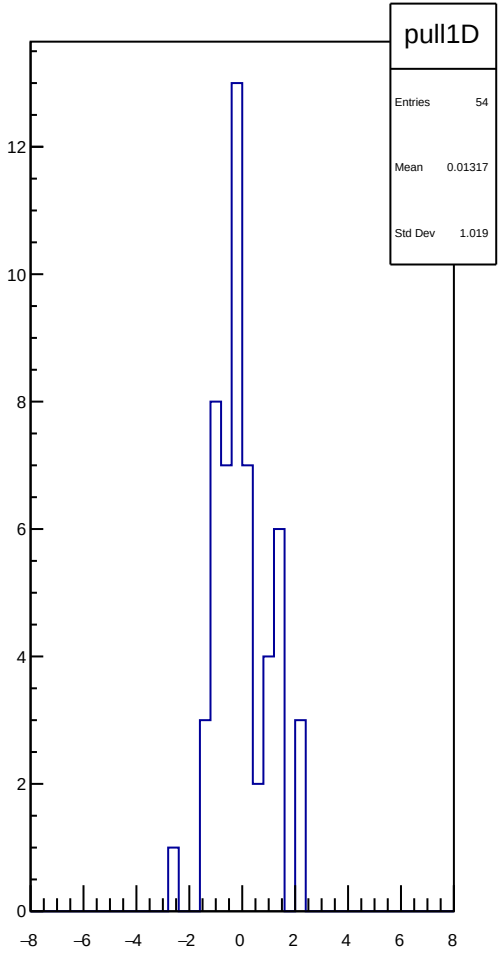

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.42 / 53
p0 −12.55 ± 12.79
pull
Entries 54
Mean −0.8172
Std Dev 19.16

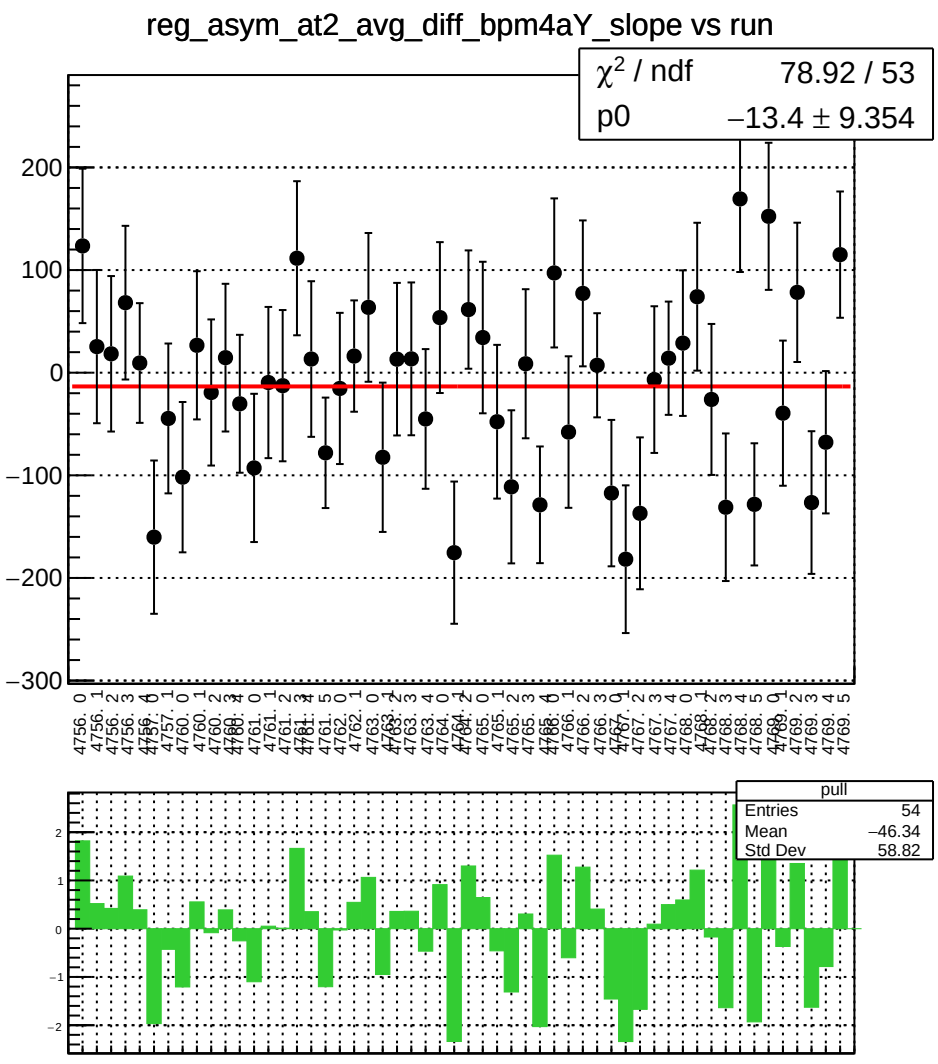

pull1D
Entries 54
Mean 0.02441
Std Dev 0.966

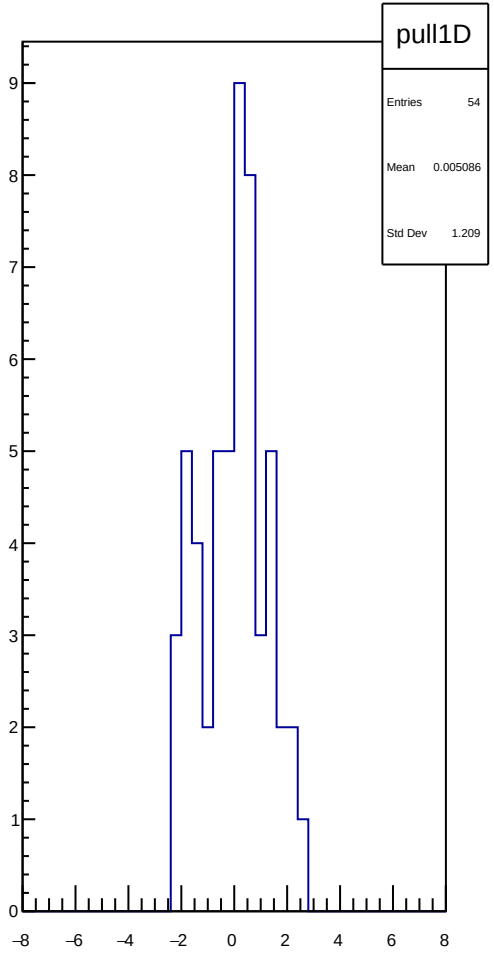

reg_asym_at1_dd_diff_bpm11X_slope vs run
χ² / ndf 62.24 / 53
p0 4.998 ± 2.868
pull
Entries 54
Mean 7.064
Std Dev 15.69

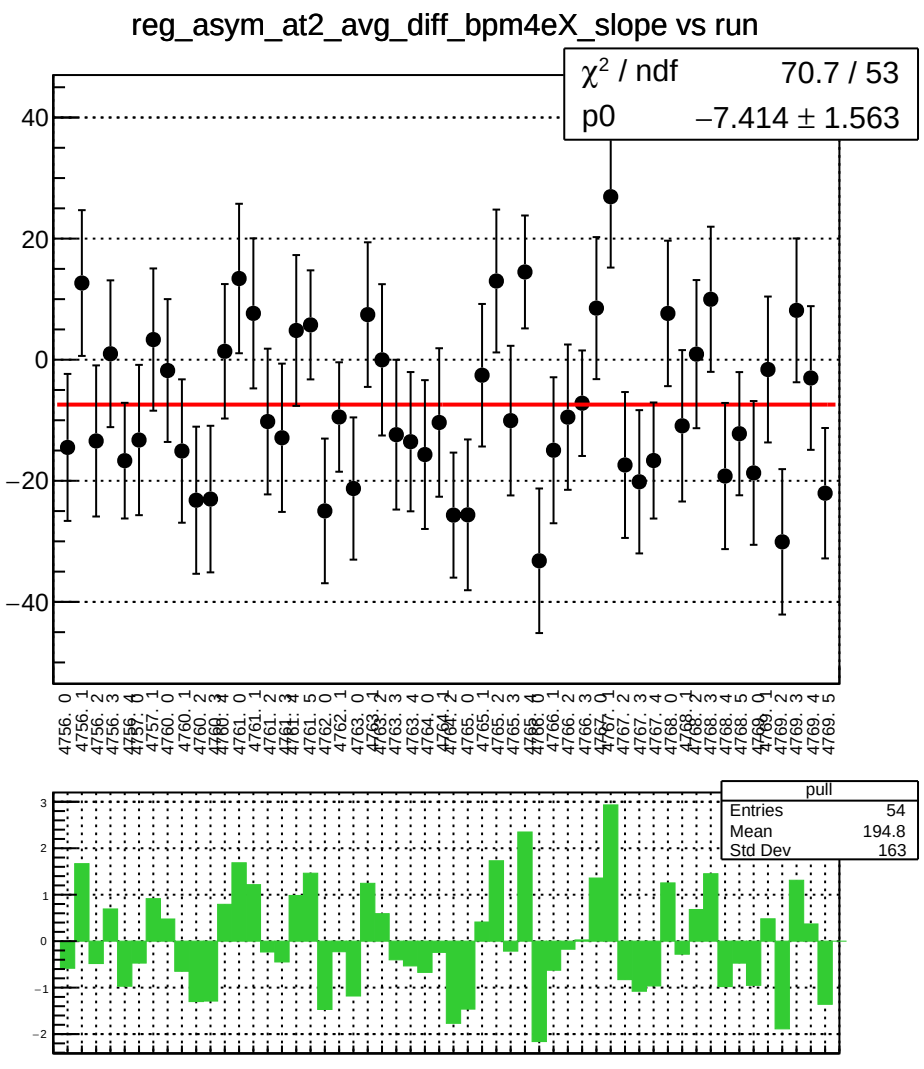

pull1D
Entries 54
Mean 0.02798
Std Dev 1.073

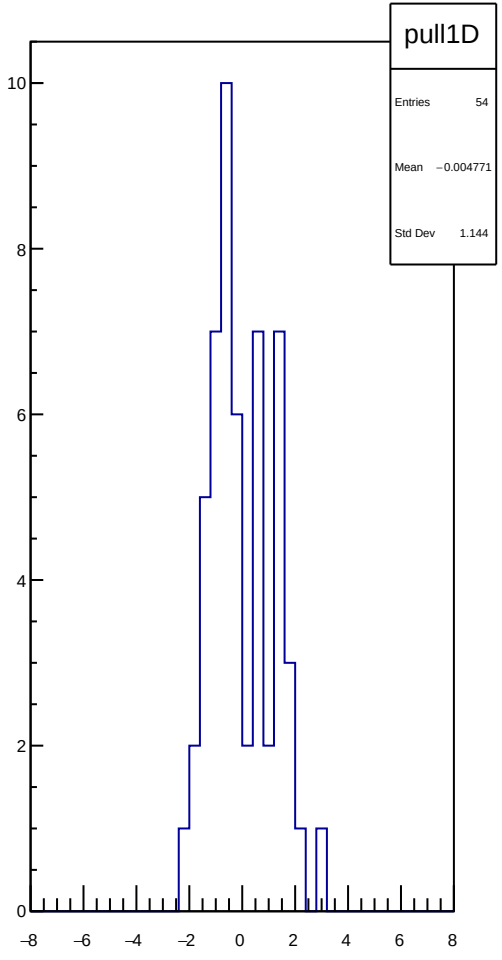

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.03 / 53
p0 −16.38 ± 7.69
pull
Entries 54
Mean −25.76
Std Dev 32.38

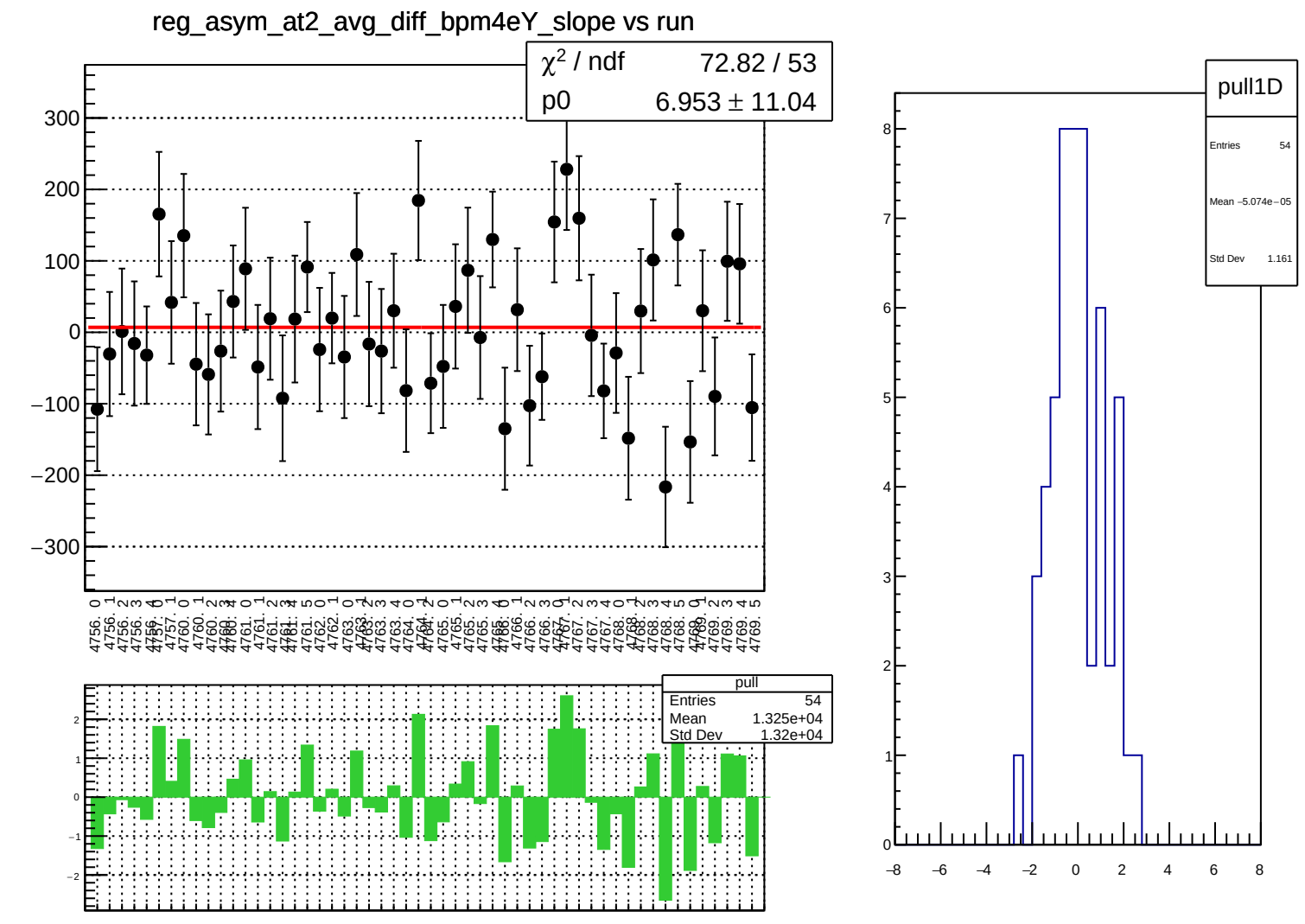

pull1D
Entries 54
Mean 0.01317
Std Dev 1.019

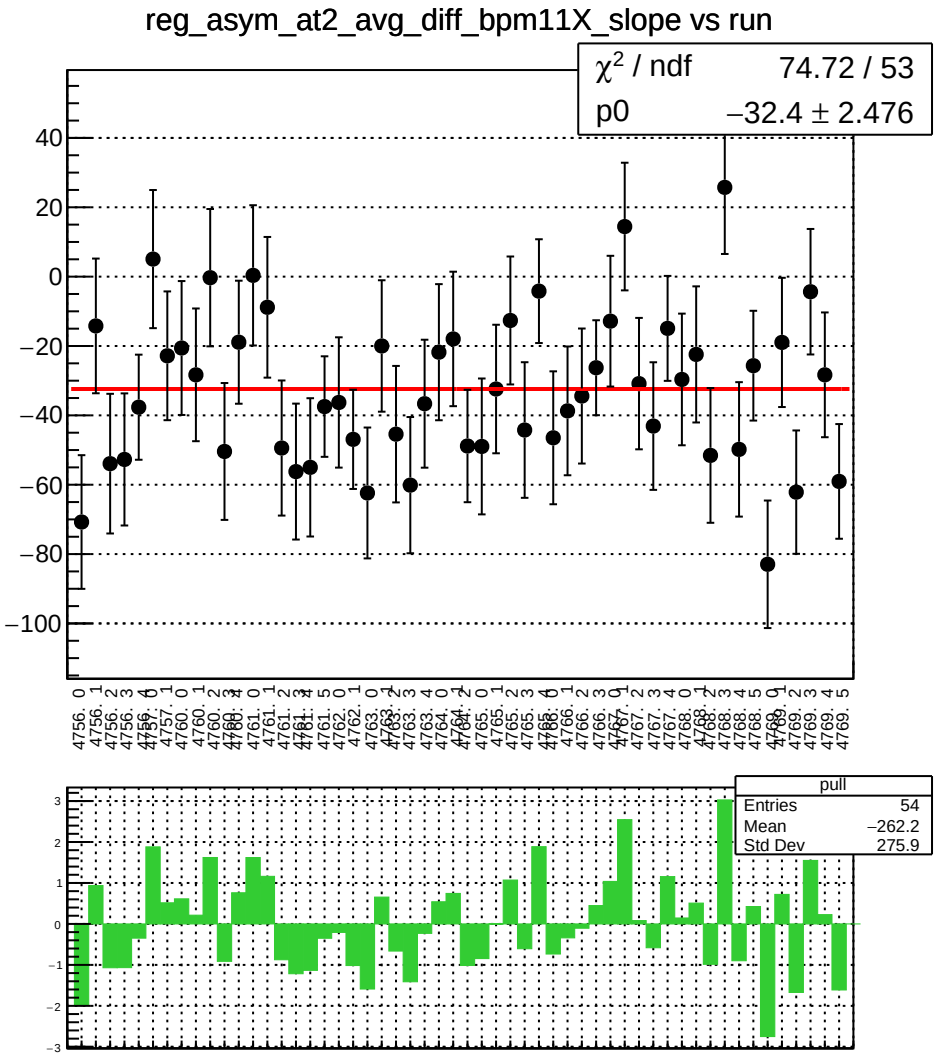

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.92 / 53
p0 −13.4 ± 9.354
pull
Entries 54
Mean −46.34
Std Dev 58.82

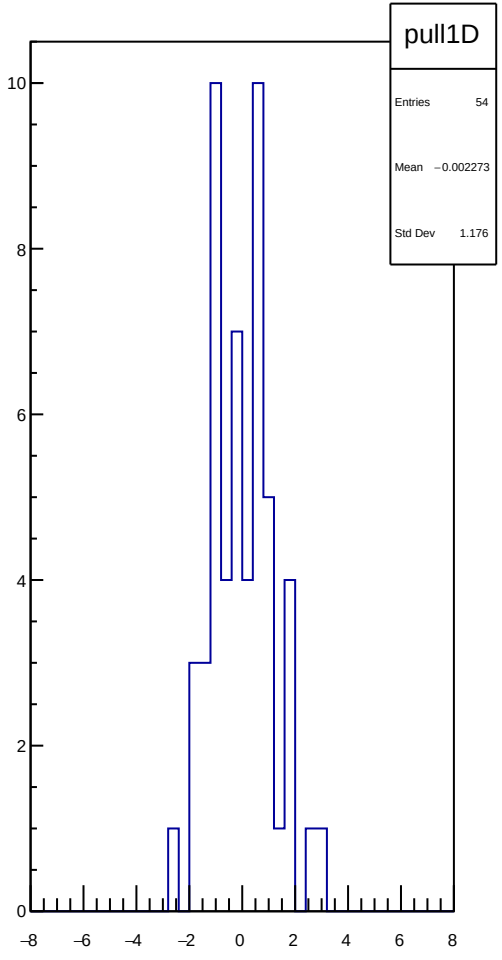

pull1D
Entries 54
Mean 0.005086
Std Dev 1.209

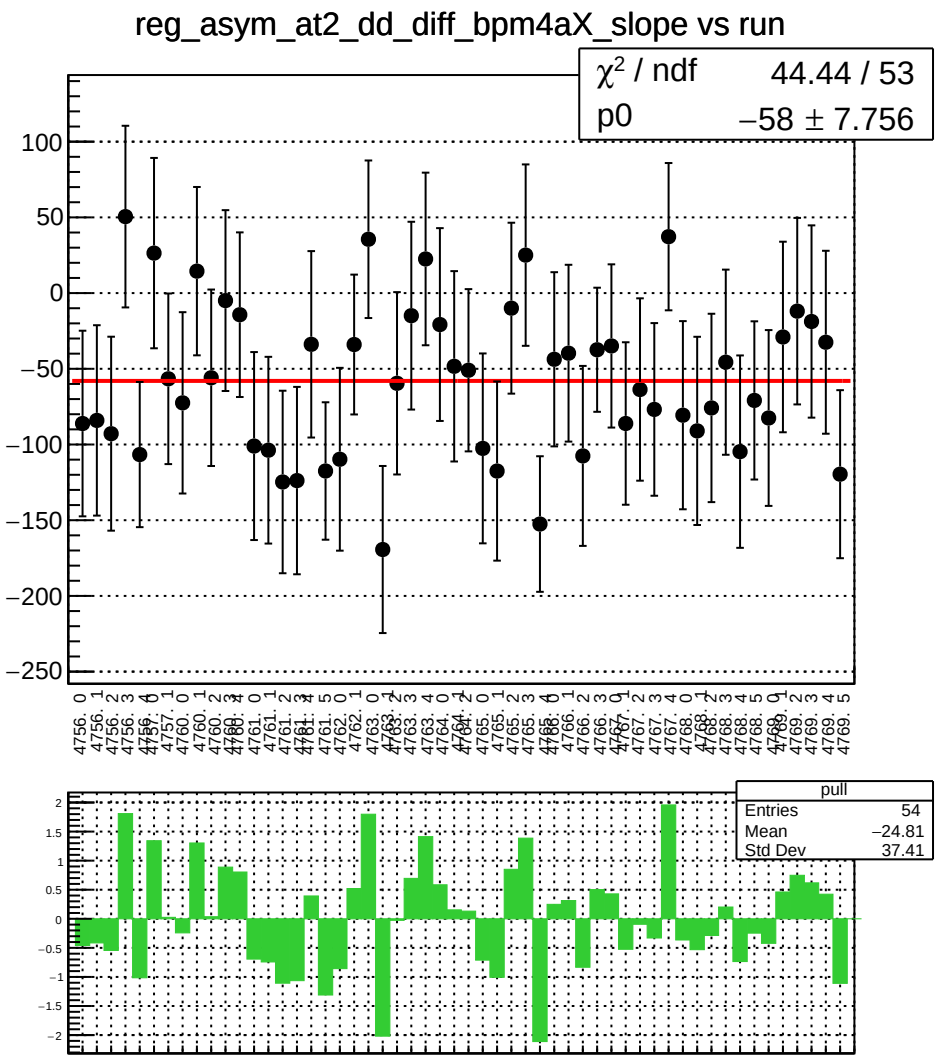

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 70.7 / 53
p0 −7.414 ± 1.563
pull
Entries 54
Mean 194.8
Std Dev 163

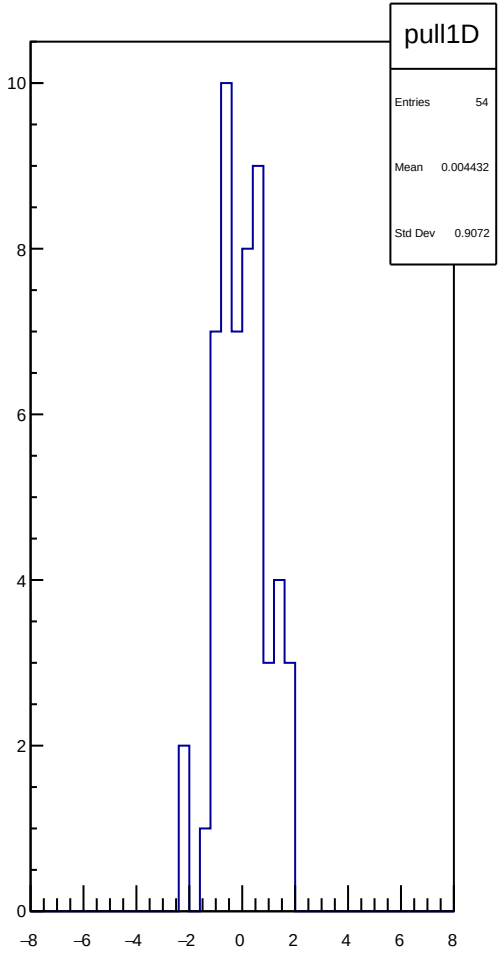

pull1D
Entries 54
Mean −0.004771
Std Dev 1.144

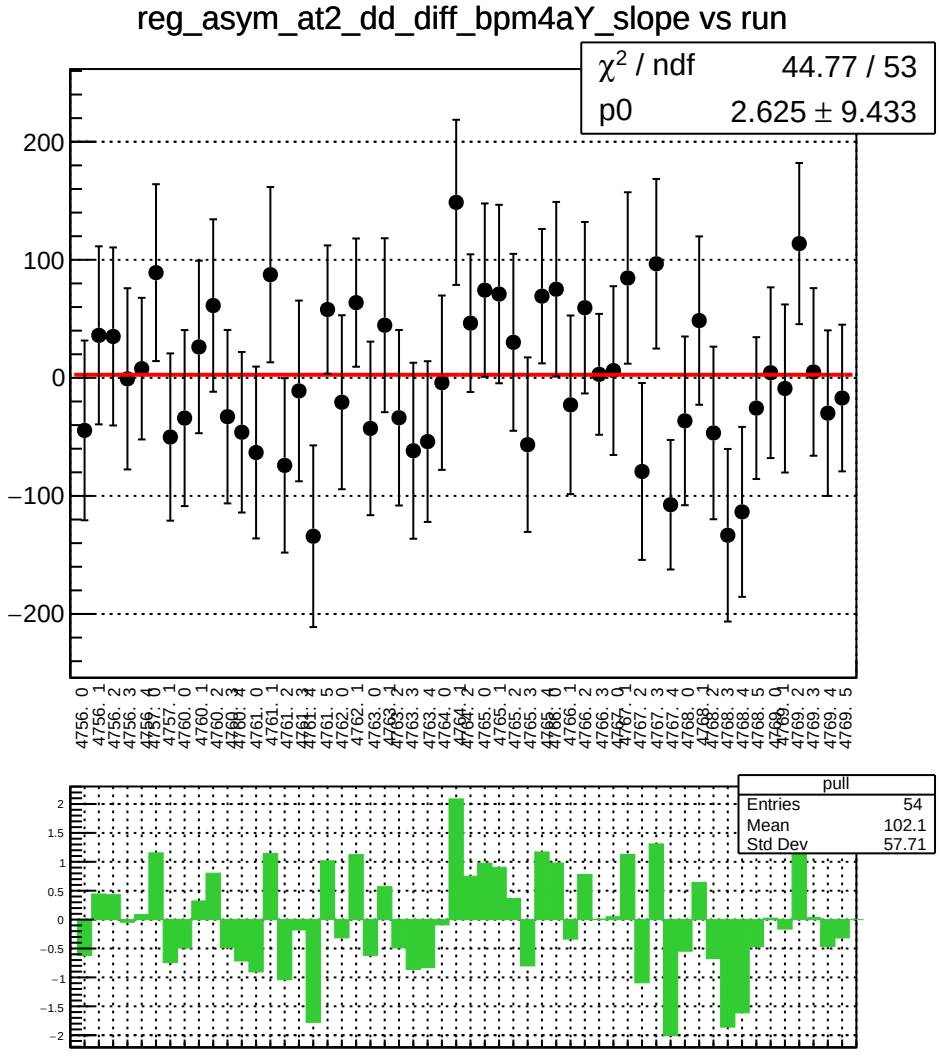

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.82 / 53
p0 6.953 ± 11.04
pull
Entries 54
Mean 1.325e+04
Std Dev 1.32e+04
pull1D
Entries 54
Mean −5.074e−05
Std Dev 1.161

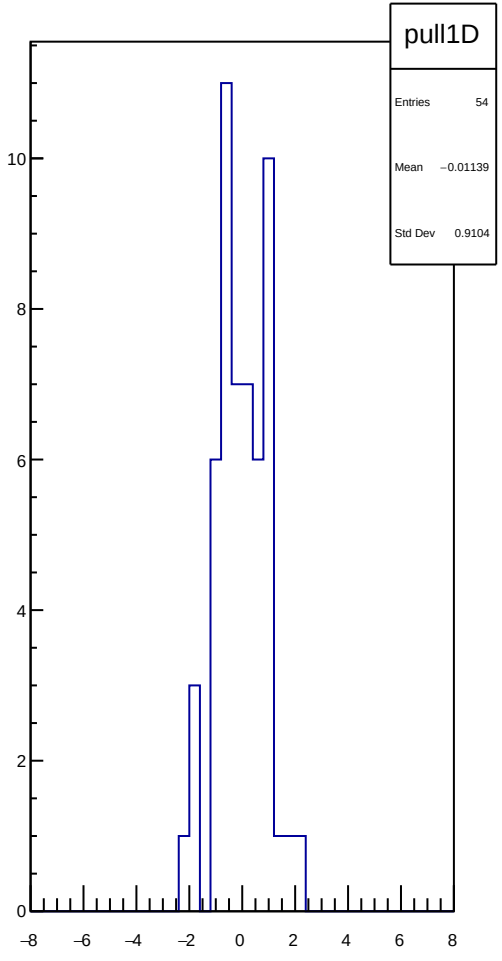

reg_asym_at2_avg_diff_bpm11X_slope vs run
χ² / ndf 74.72 / 53
p0 −32.4 ± 2.476
pull
Entries 54
Mean −262.2
Std Dev 275.9

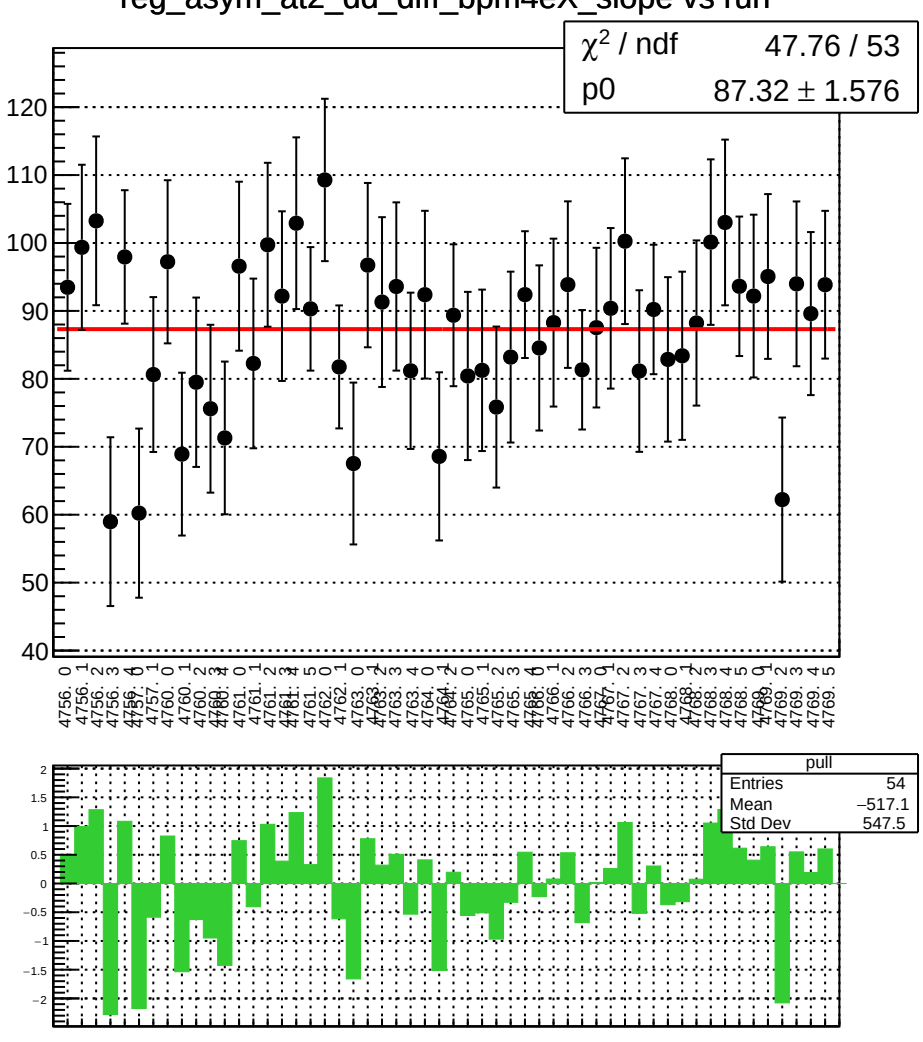

pull1D
Entries 54
Mean −0.002273
Std Dev 1.176

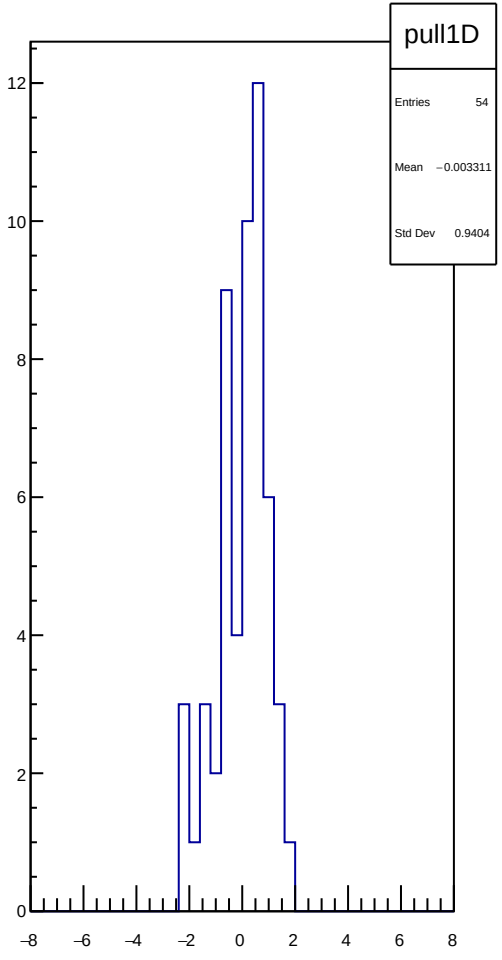

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.44 / 53
p0 −58 ± 7.756
pull
Entries 54
Mean −24.81
Std Dev 37.41

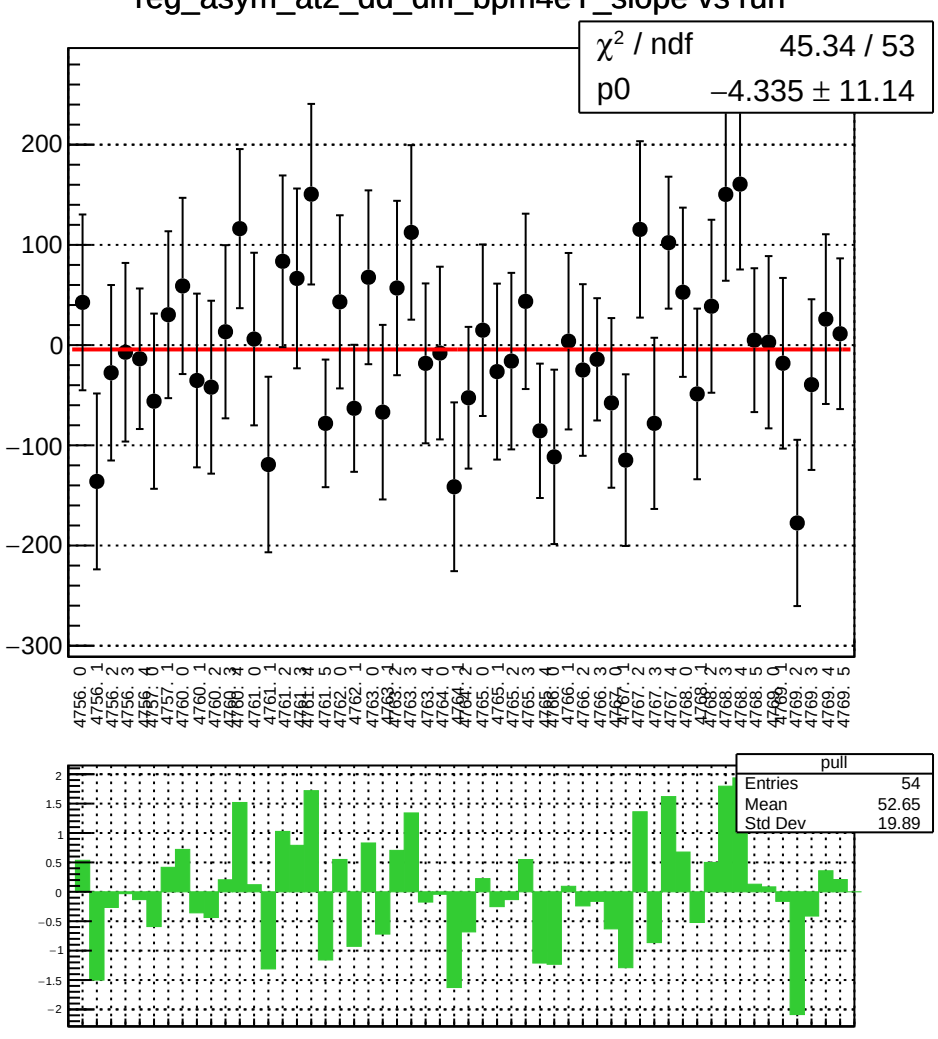

pull1D
Entries 54
Mean 0.004432
Std Dev 0.9072

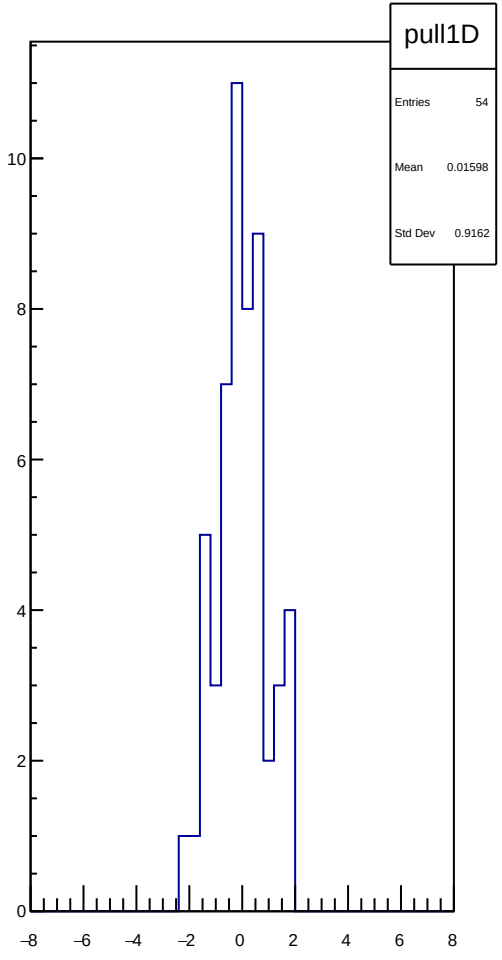

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.77 / 53
p0 2.625 ± 9.433
200
100
0
−100
−200
pull
Entries 54
Mean 102.1
Std Dev 57.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

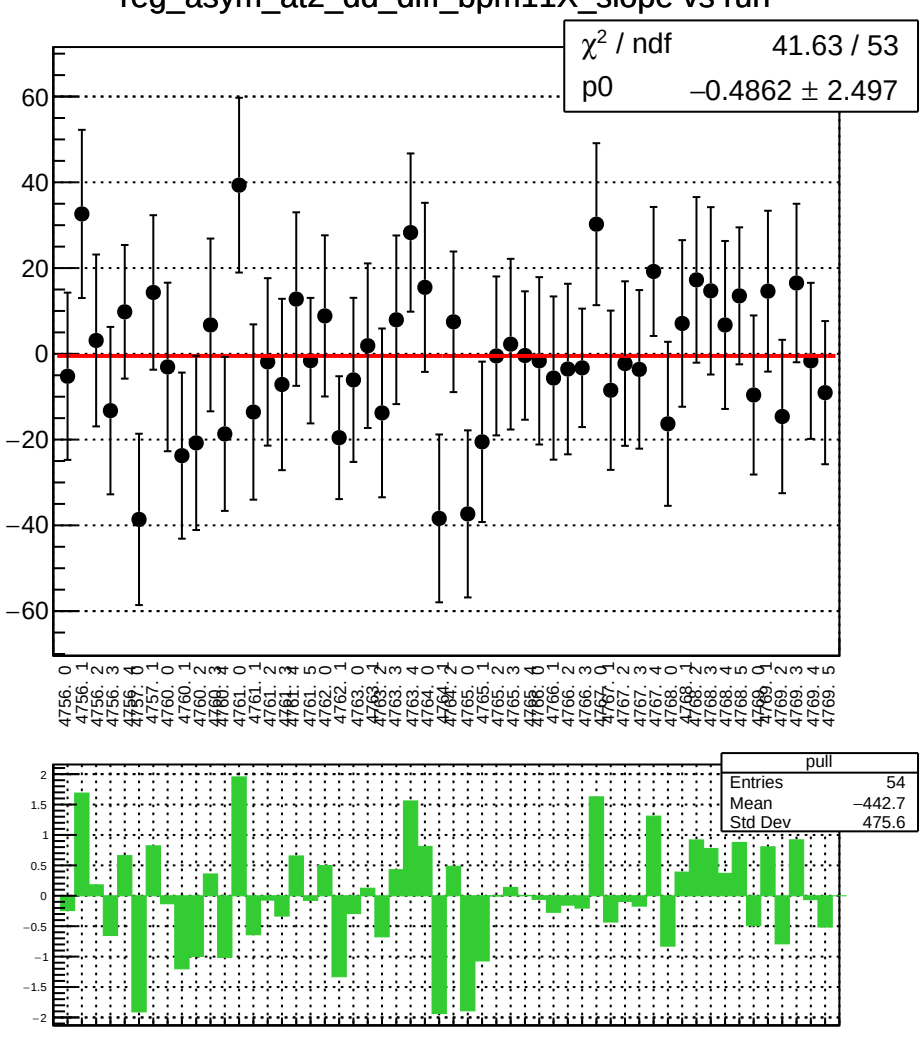

pull1D
Entries 54
Mean −0.01139
Std Dev 0.9104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

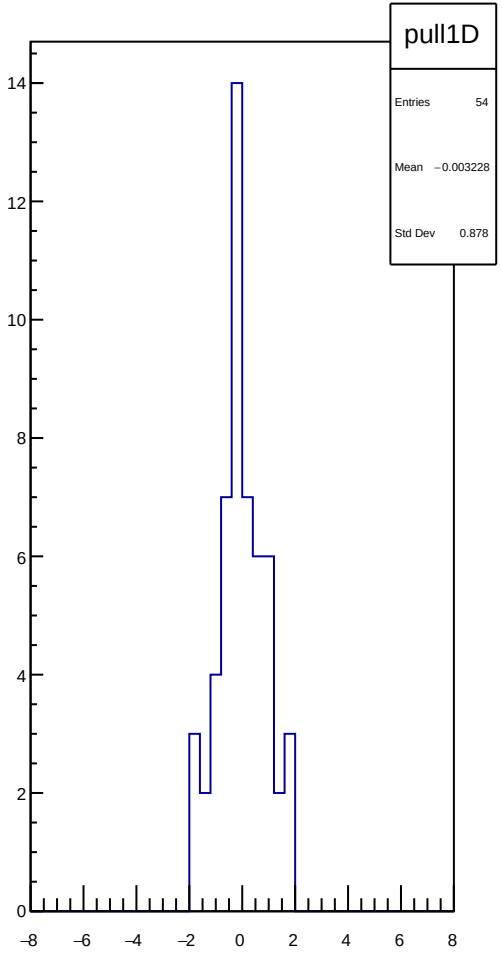

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.76 / 53
p0 87.32 ± 1.576
pull
Entries 54
Mean −517.1
Std Dev 547.5

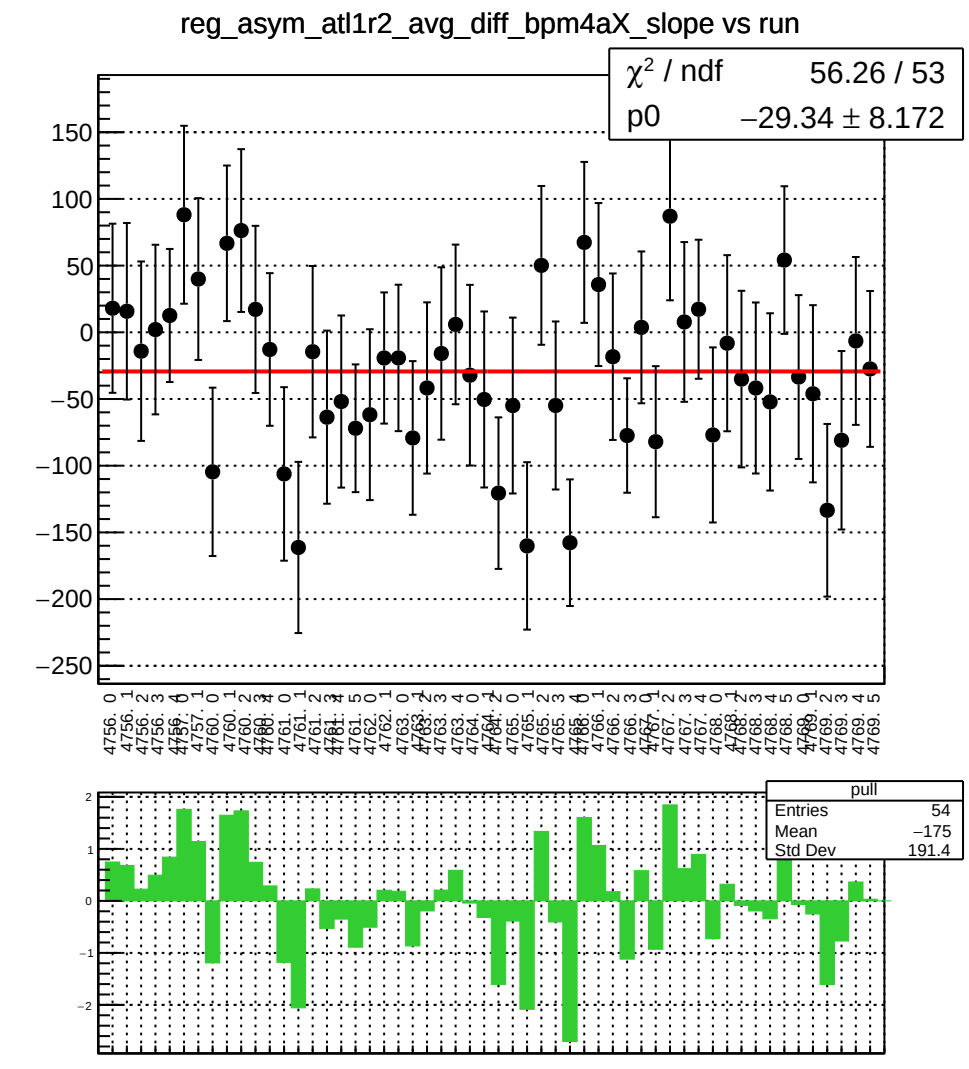

pull1D
Entries 54
Mean −0.003311
Std Dev 0.9404

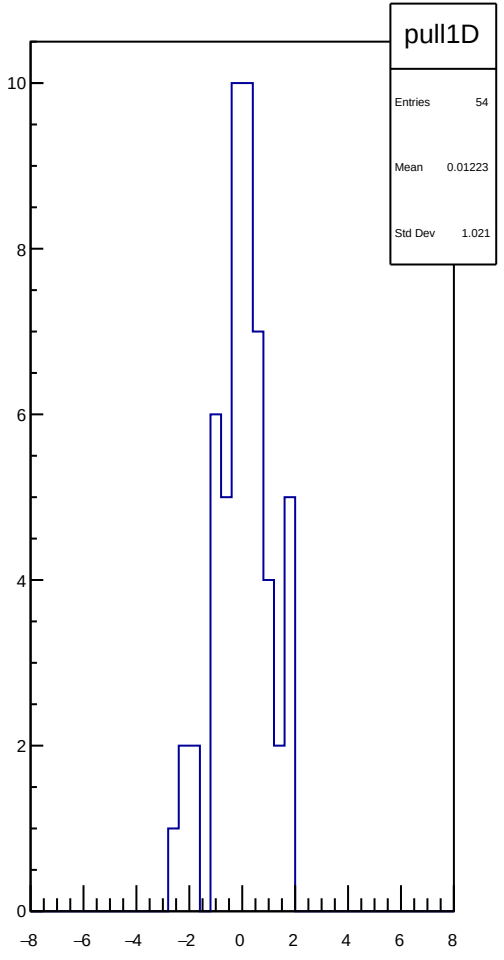

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.34 / 53
p0 −4.335 ± 11.14
pull
Entries 54
Mean 52.65
Std Dev 19.89

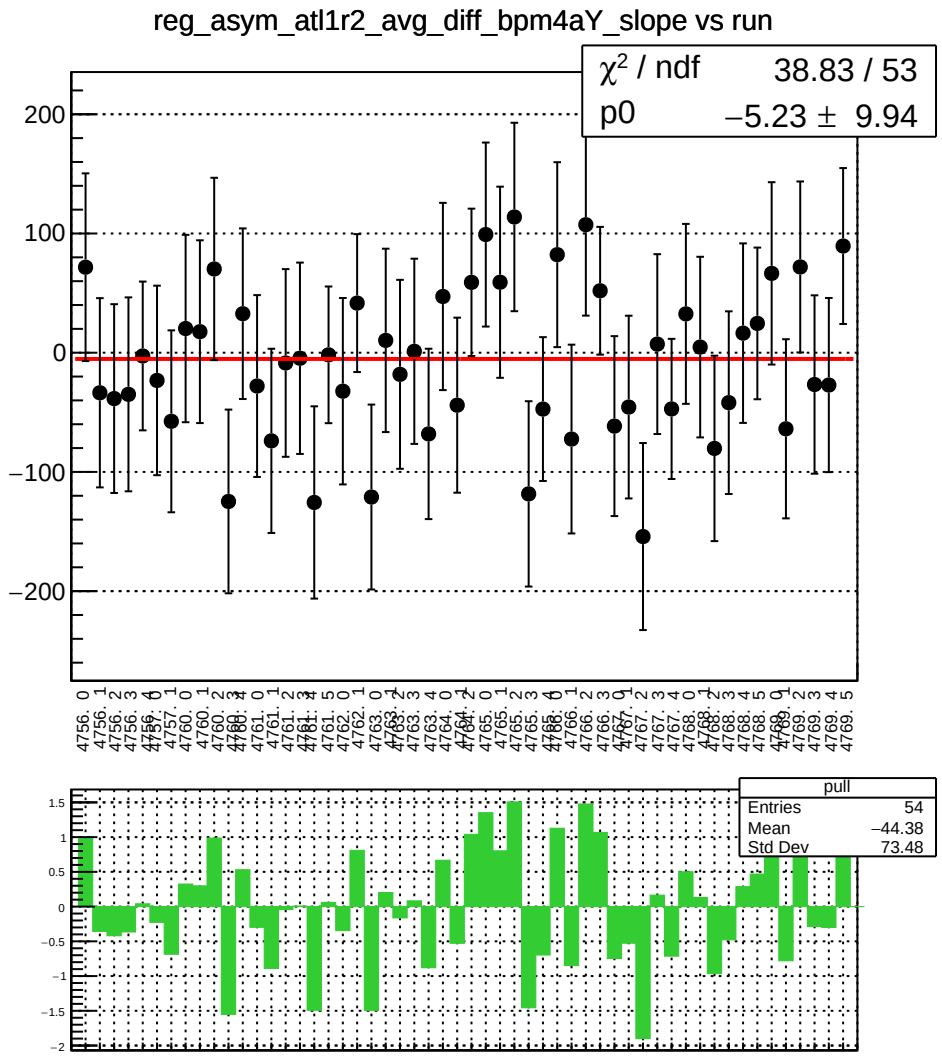

pull1D
Entries 54
Mean 0.01598
Std Dev 0.9162

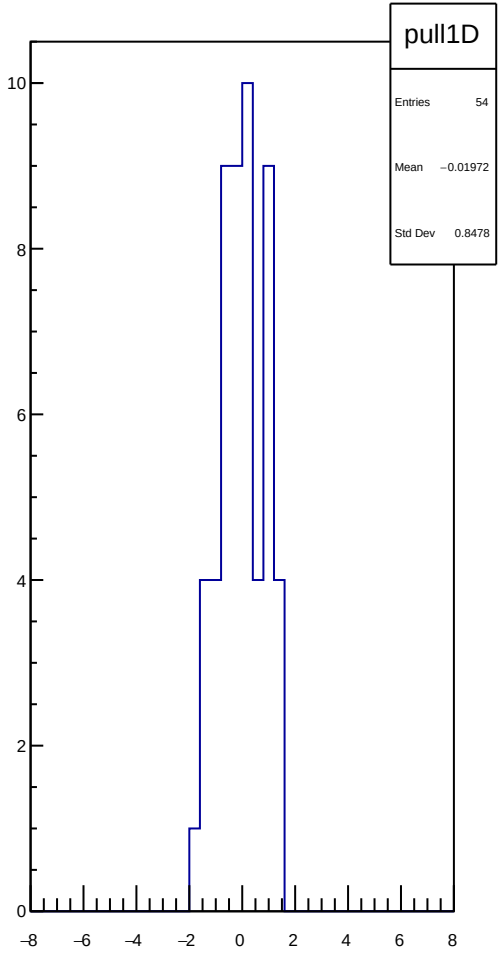

reg_asym_at2_dd_diff_bpm11X_slope vs run
χ² / ndf 41.63 / 53
p0 −0.4862 ± 2.497
pull
Entries 54
Mean −442.7
Std Dev 475.6

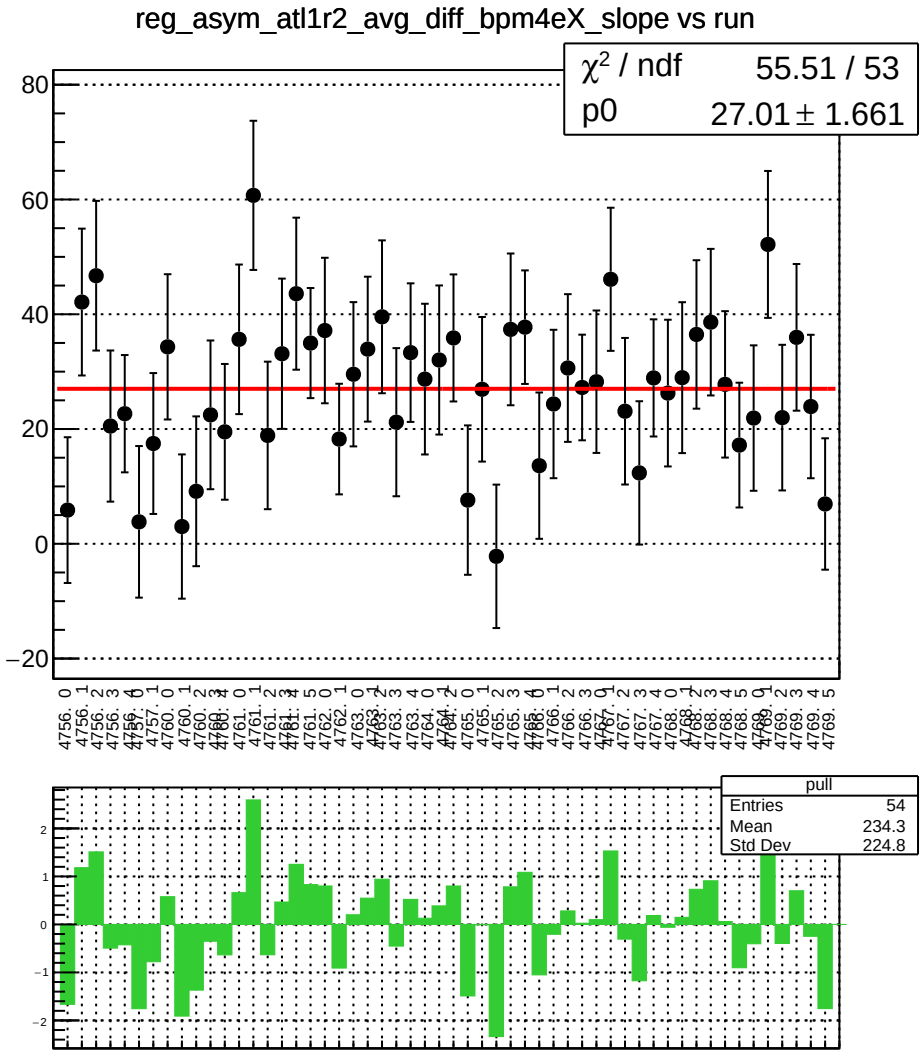

pull1D
Entries 54
Mean −0.003228
Std Dev 0.878

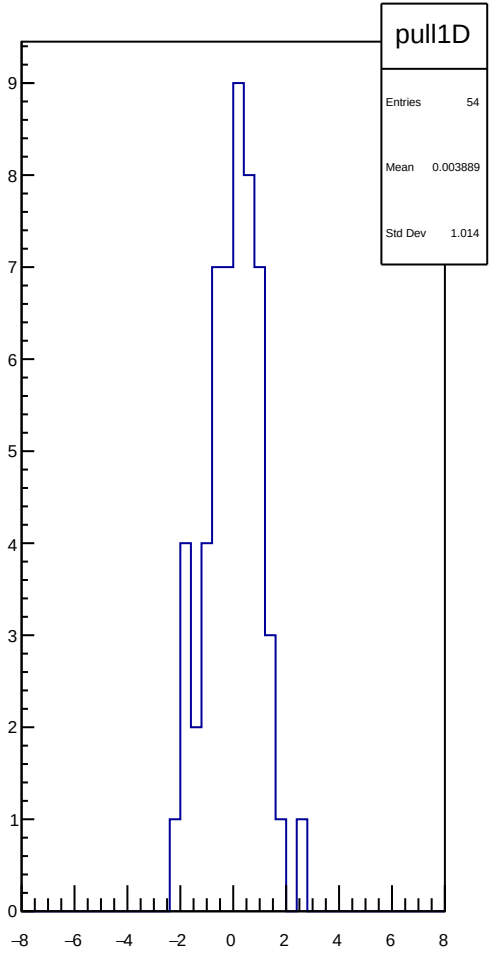

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.26 / 53
p0 −29.34 ± 8.172
pull
Entries 54
Mean −175
Std Dev 191.4

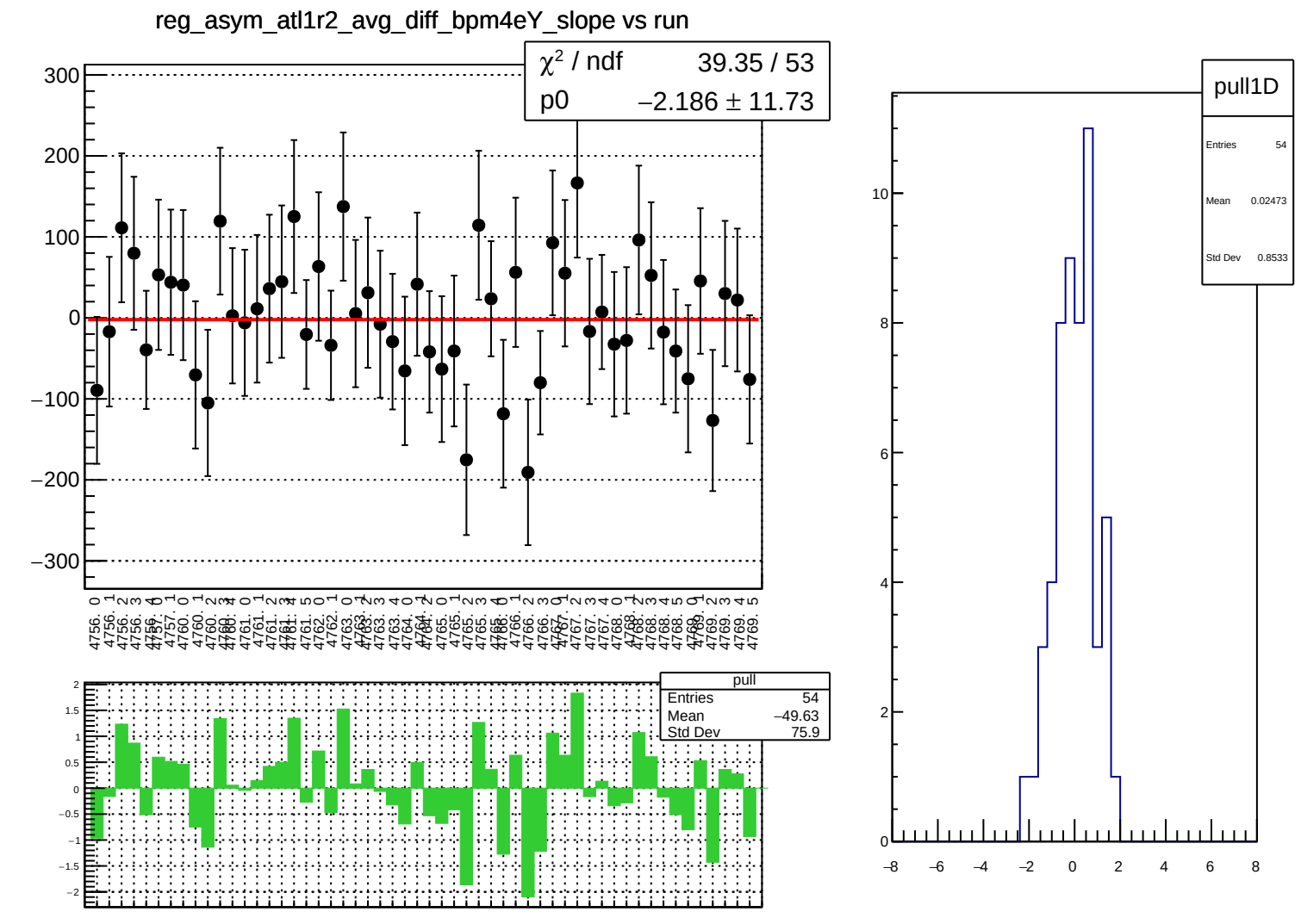

pull1D
Entries 54
Mean 0.01223
Std Dev 1.021

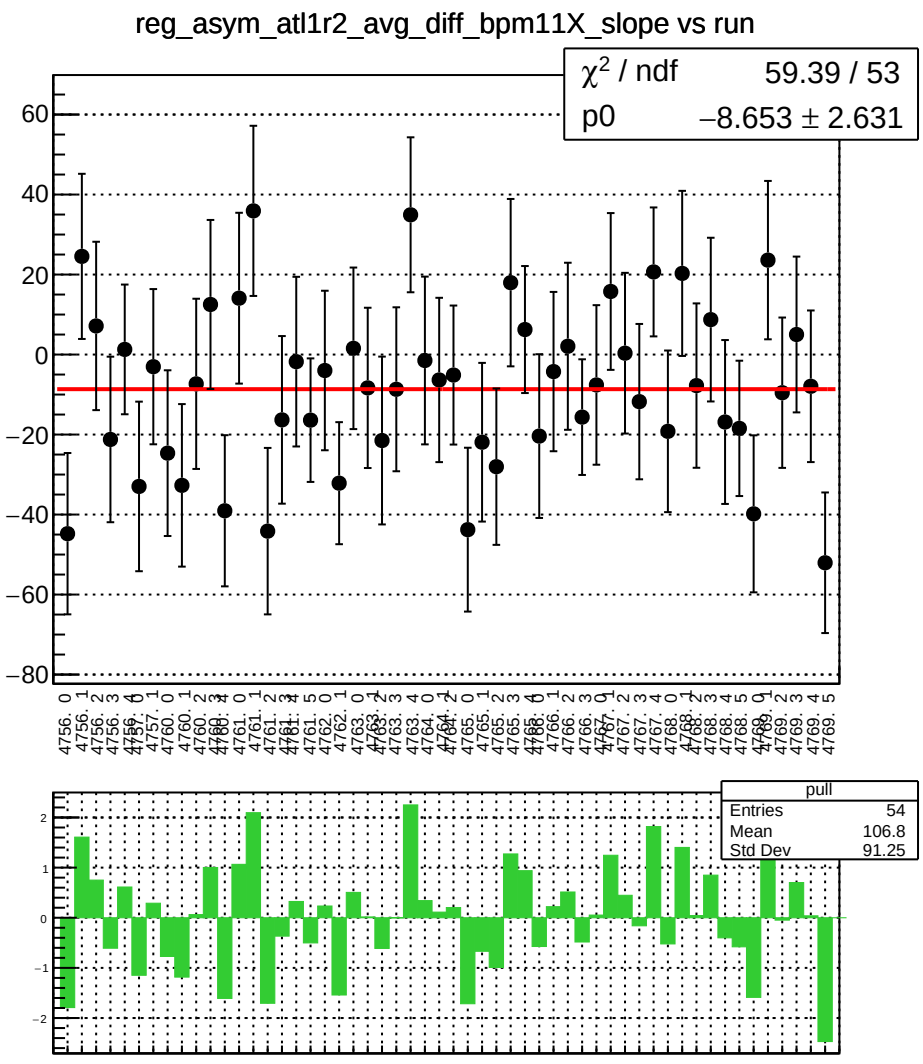

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.83 / 53
p0 −5.23 ± 9.94
pull
Entries 54
Mean −44.38
Std Dev 73.48

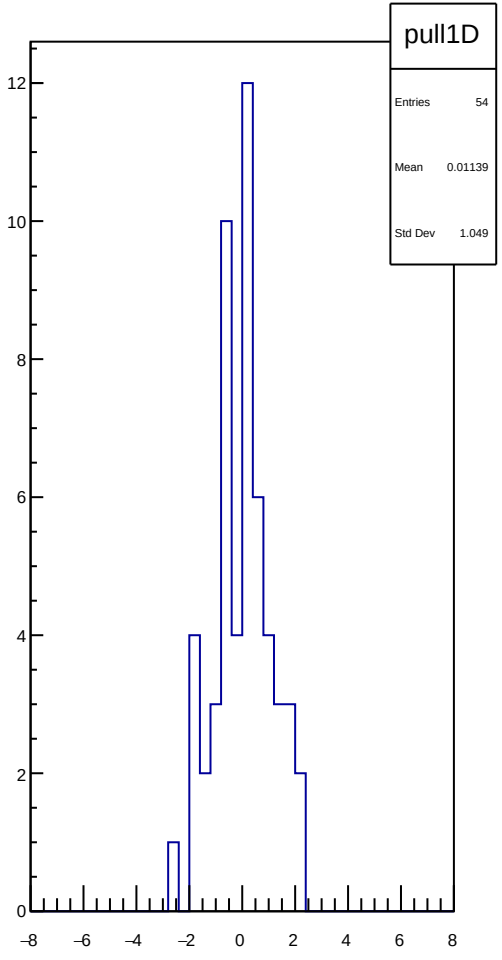

pull1D
Entries 54
Mean −0.01972
Std Dev 0.8478

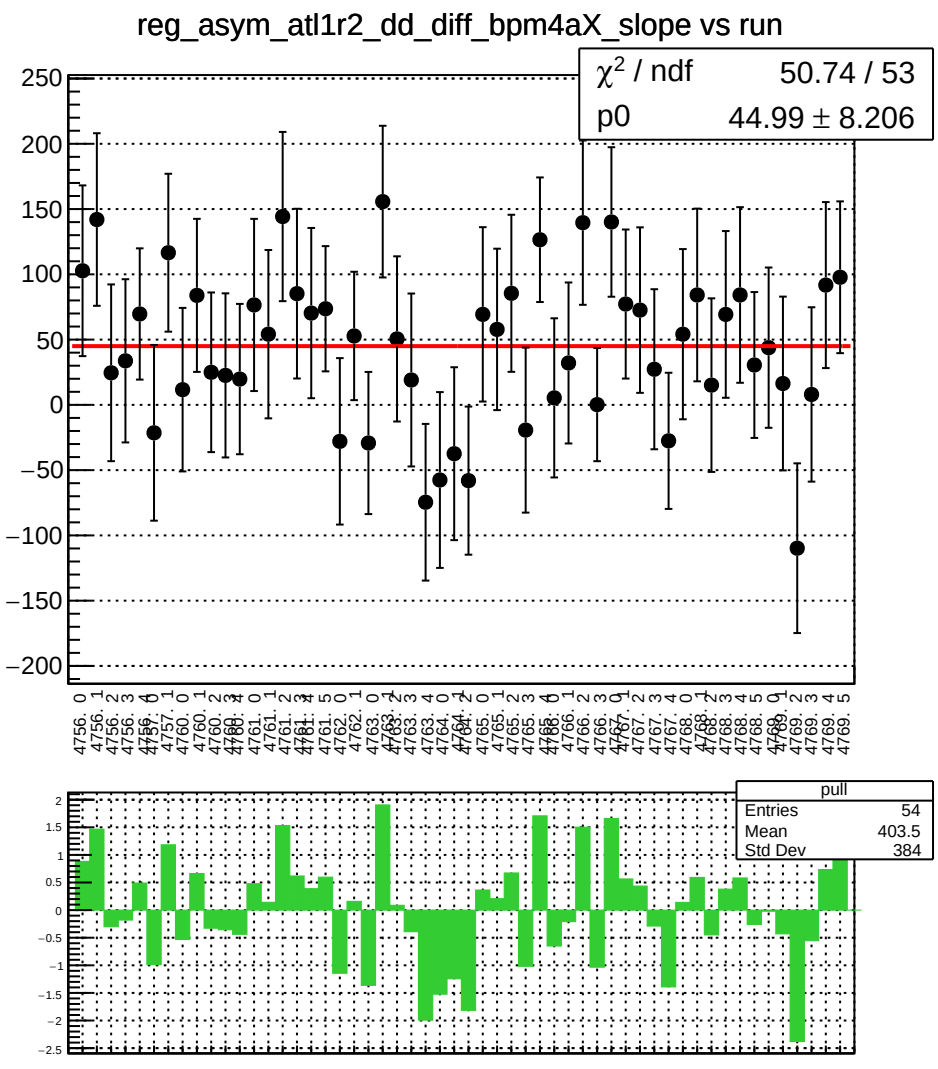

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.51 / 53
p0 27.01 ± 1.661
pull
Entries 54
Mean 234.3
Std Dev 224.8

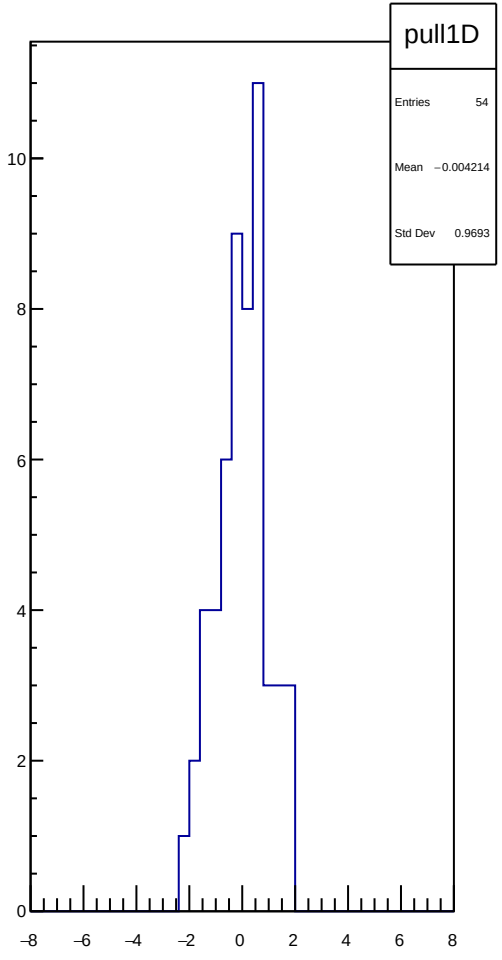

pull1D
Entries 54
Mean 0.003889
Std Dev 1.014

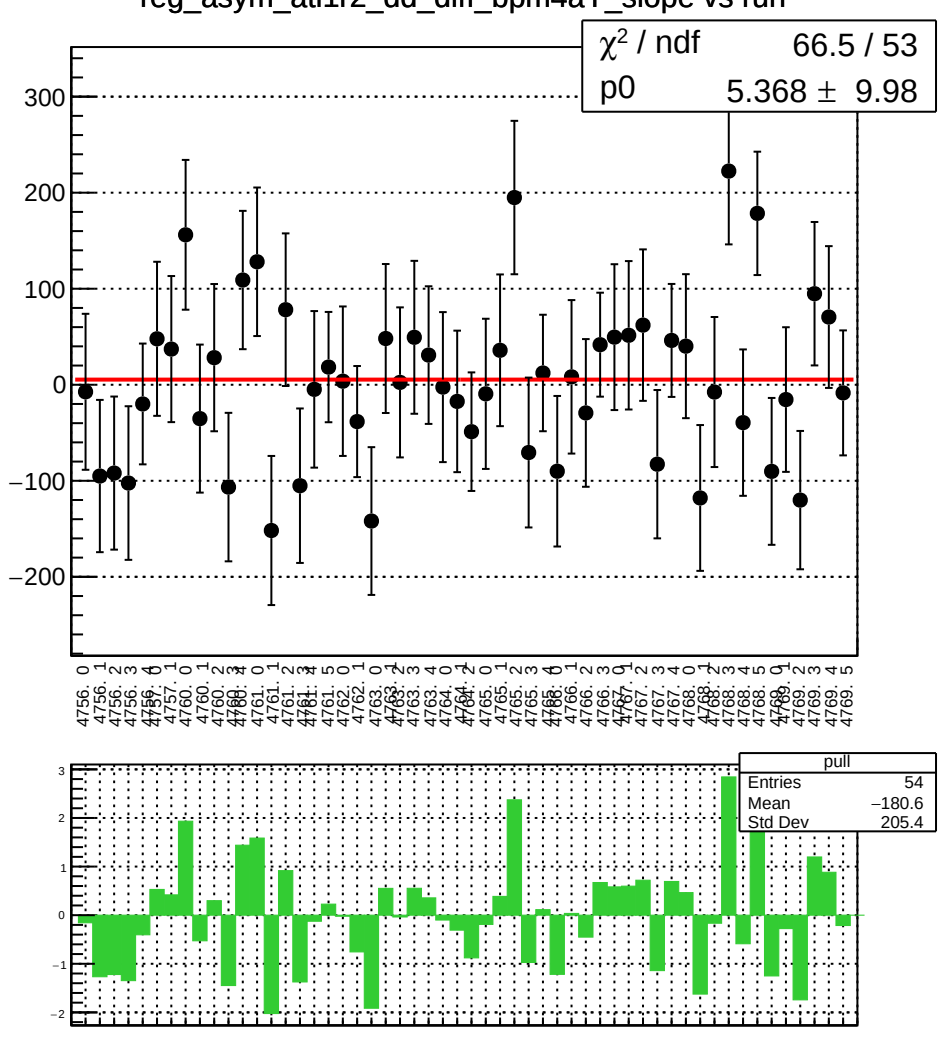

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.35 / 53
p0 −2.186 ± 11.73
pull
Entries 54
Mean −49.63
Std Dev 75.9
pull1D
Entries 54
Mean 0.02473
Std Dev 0.8533

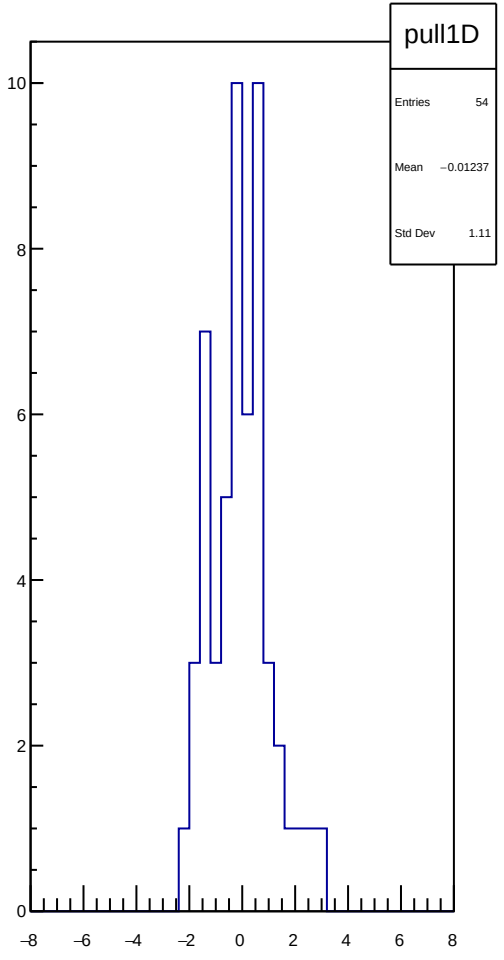

reg_asym_atl1r2_avg_diff_bpm11X_slope vs run
χ² / ndf 59.39 / 53
p0 −8.653 ± 2.631
pull
Entries 54
Mean 106.8
Std Dev 91.25

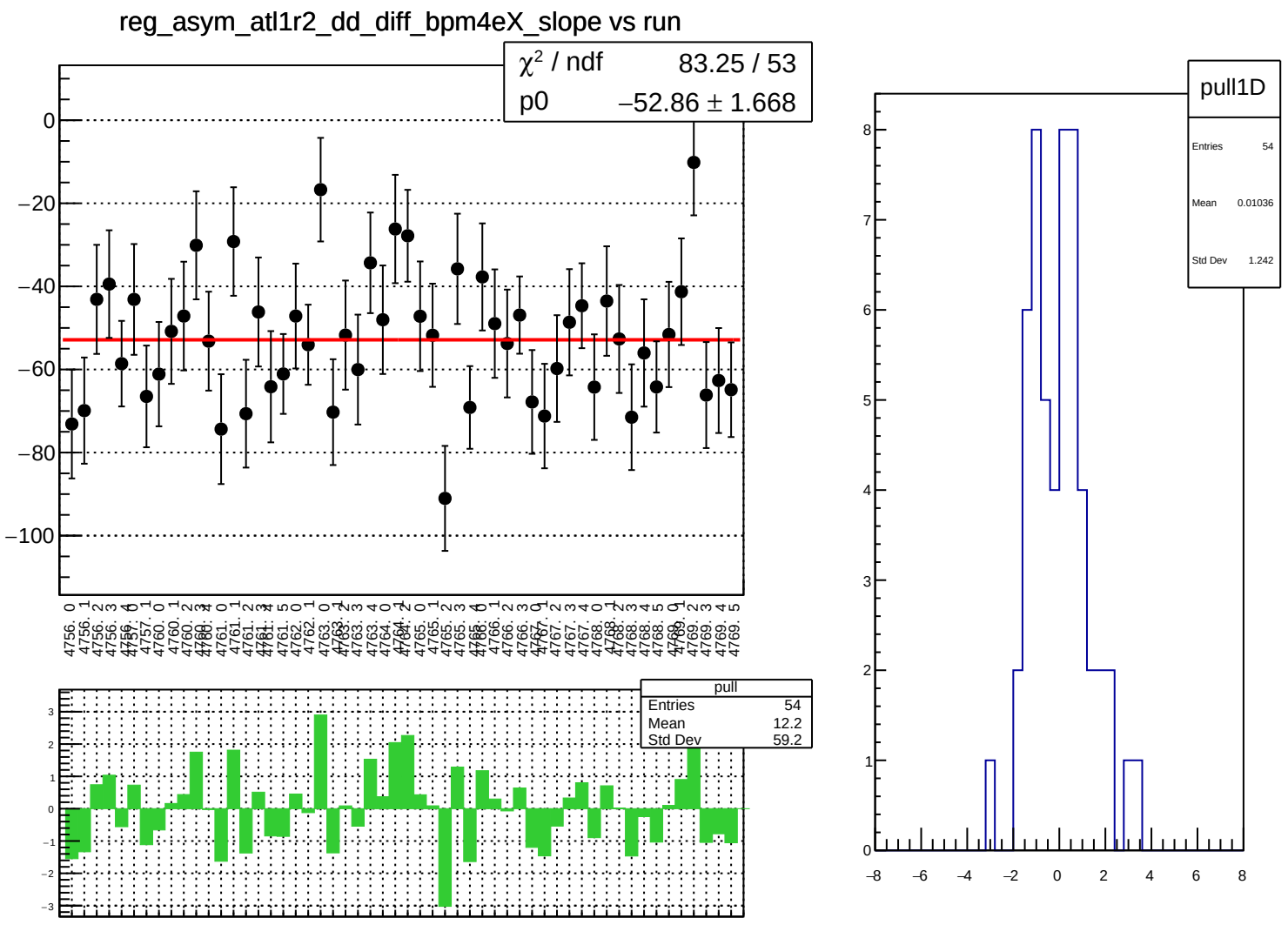

pull1D
Entries 54
Mean 0.01139
Std Dev 1.049

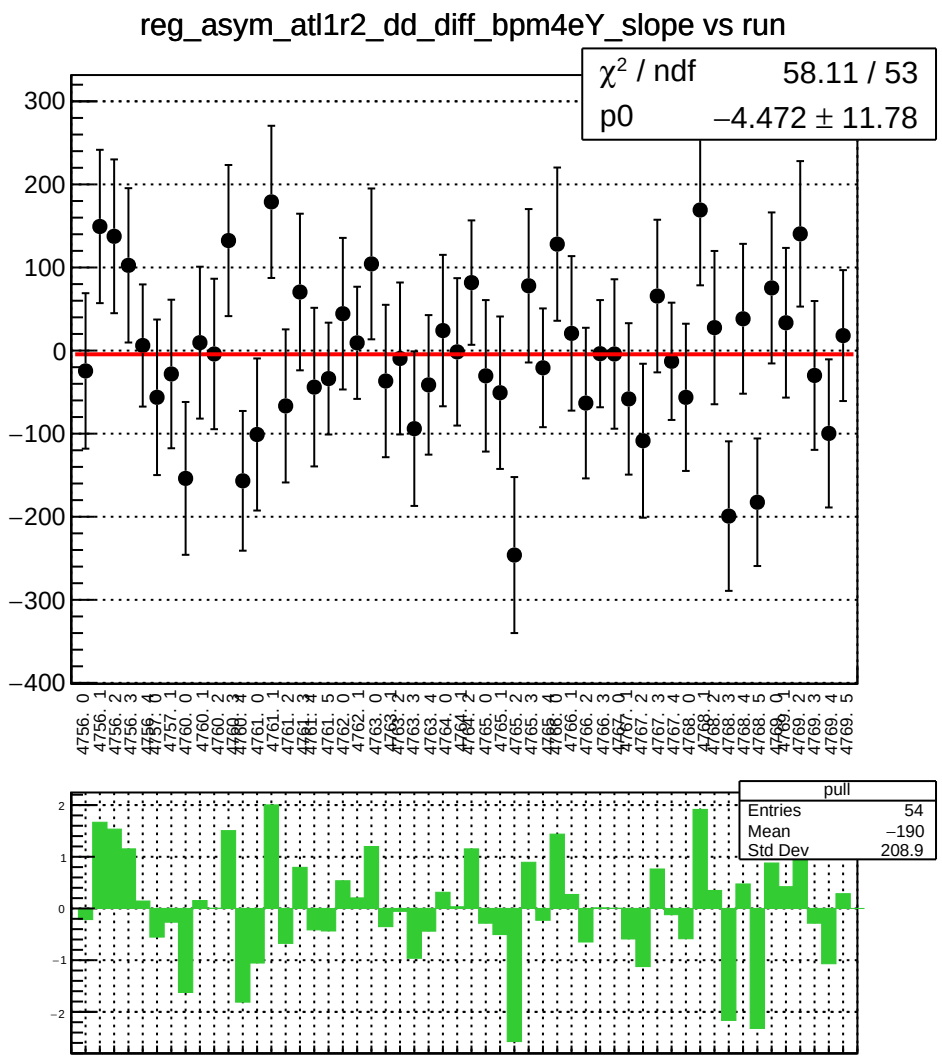

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.74 / 53
p0 44.99 ± 8.206
pull
Entries 54
Mean 403.5
Std Dev 384

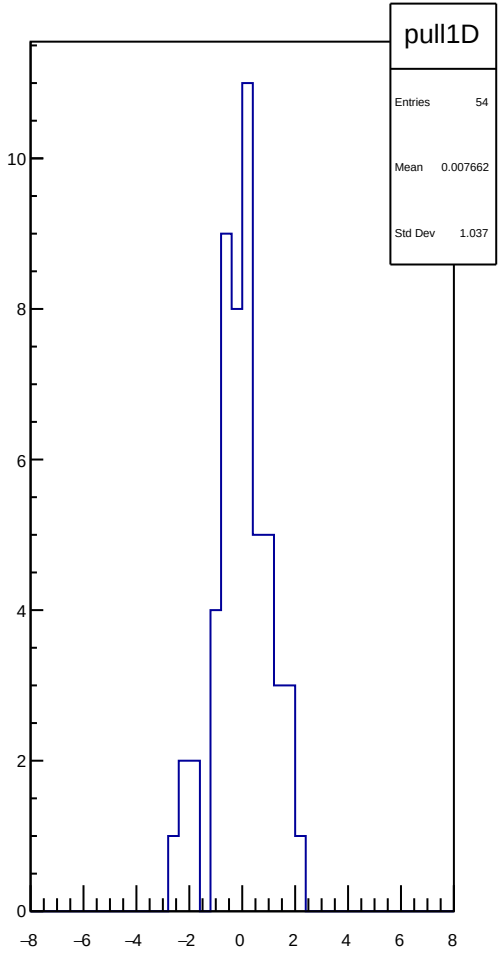

pull1D
Entries 54
Mean −0.004214
Std Dev 0.9693

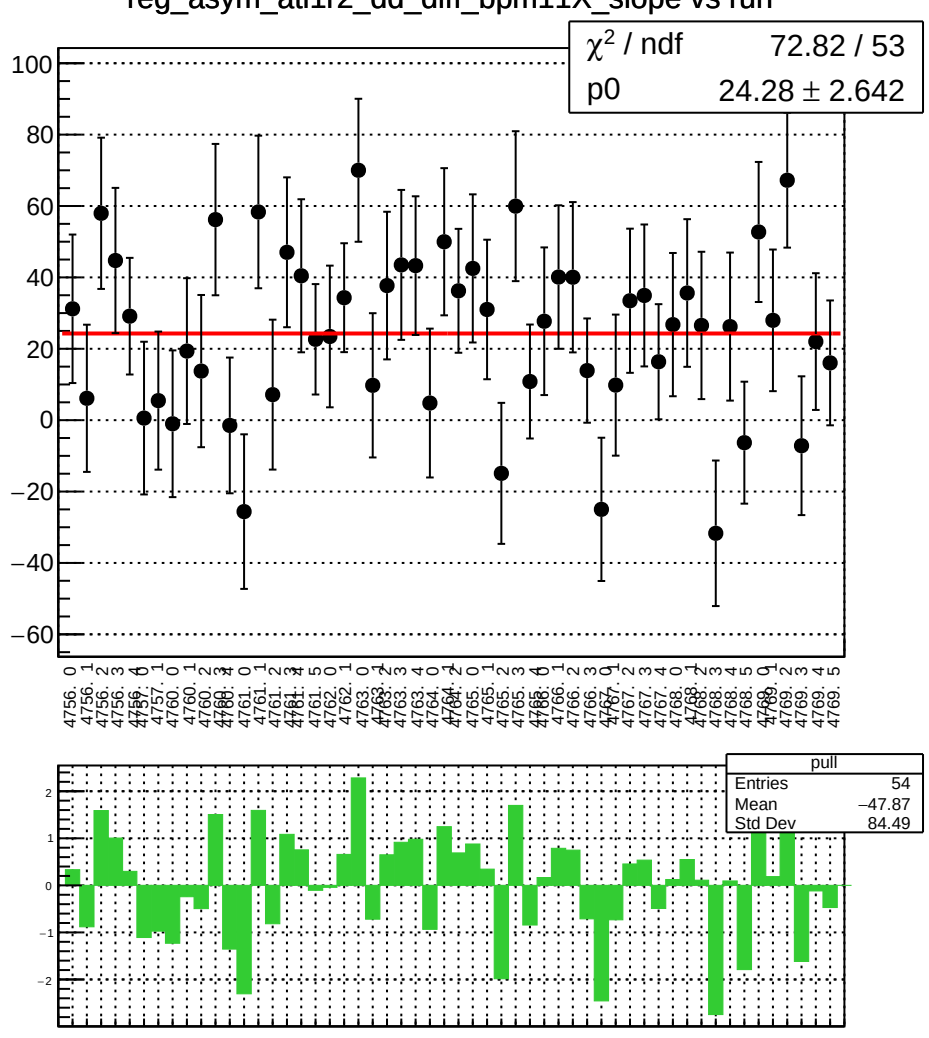

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 66.5 / 53
p0 5.368 ± 9.98
pull
Entries 54
Mean −180.6
Std Dev 205.4

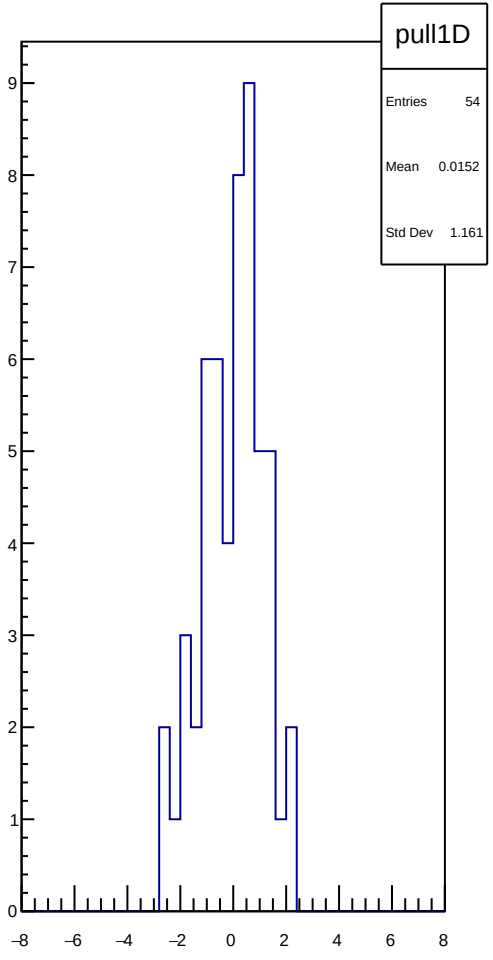

pull1D
Entries 54
Mean −0.01237
Std Dev 1.11

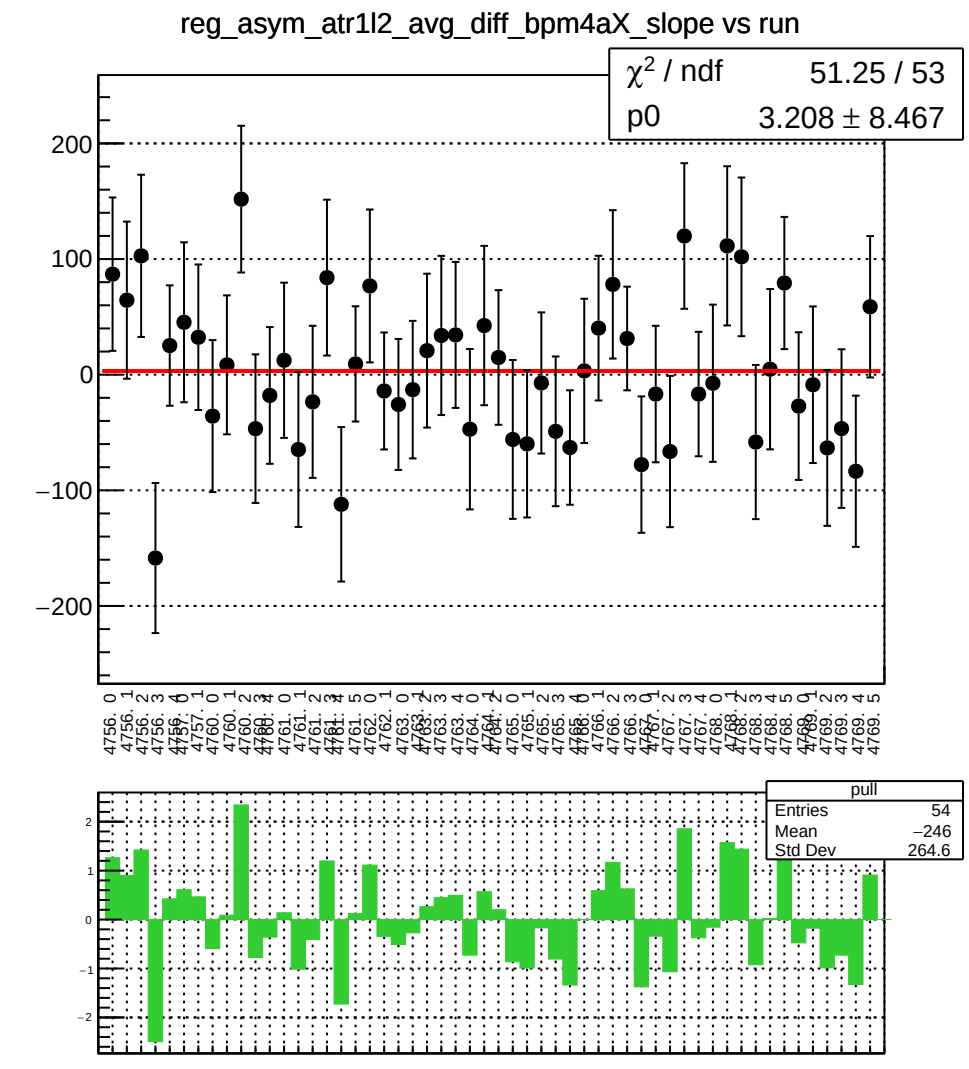

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.25 / 53
p0 −52.86 ± 1.668
pull
Entries 54
Mean 12.2
Std Dev 59.2
pull1D
Entries 54
Mean 0.01036
Std Dev 1.242

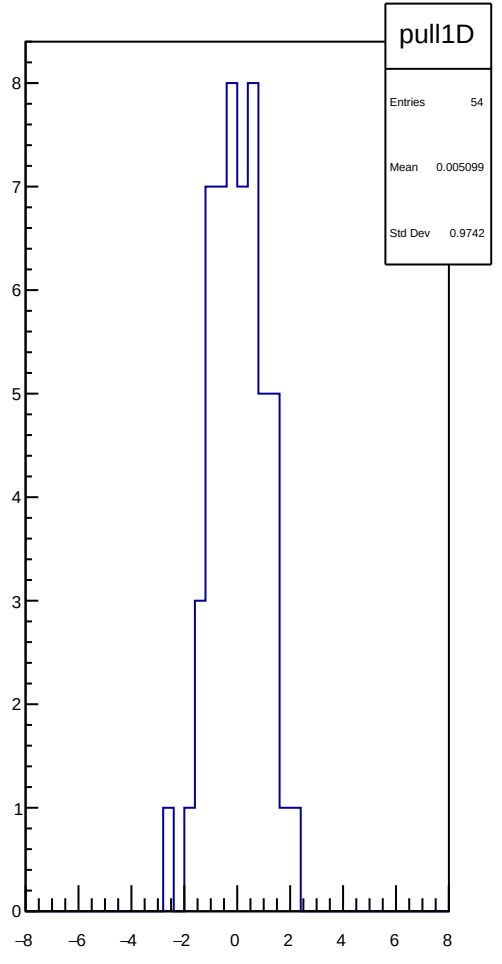

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.11 / 53
p0 −4.472 ± 11.78
pull
Entries 54
Mean −190
Std Dev 208.9

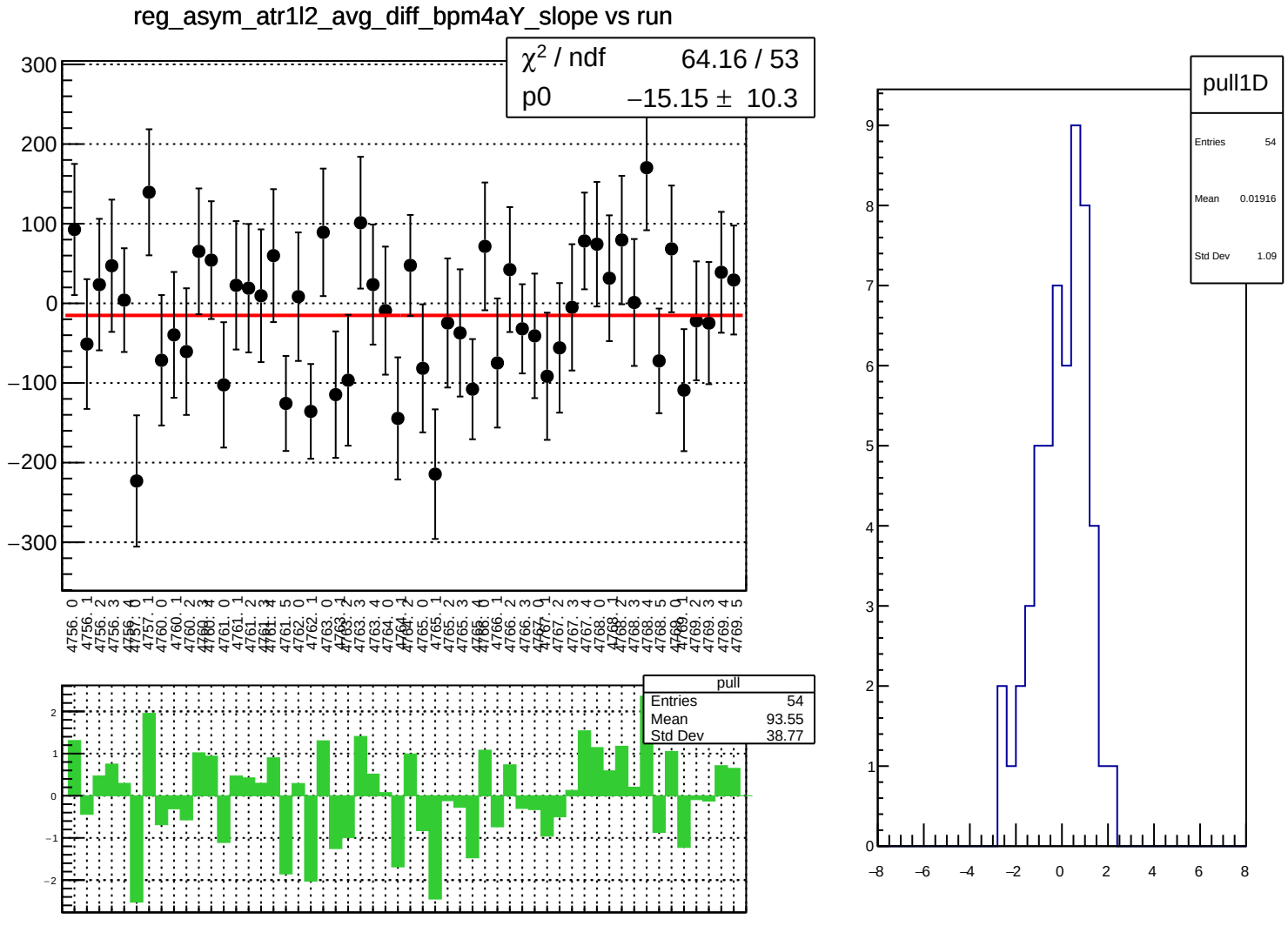

pull1D
Entries 54
Mean 0.007662
Std Dev 1.037

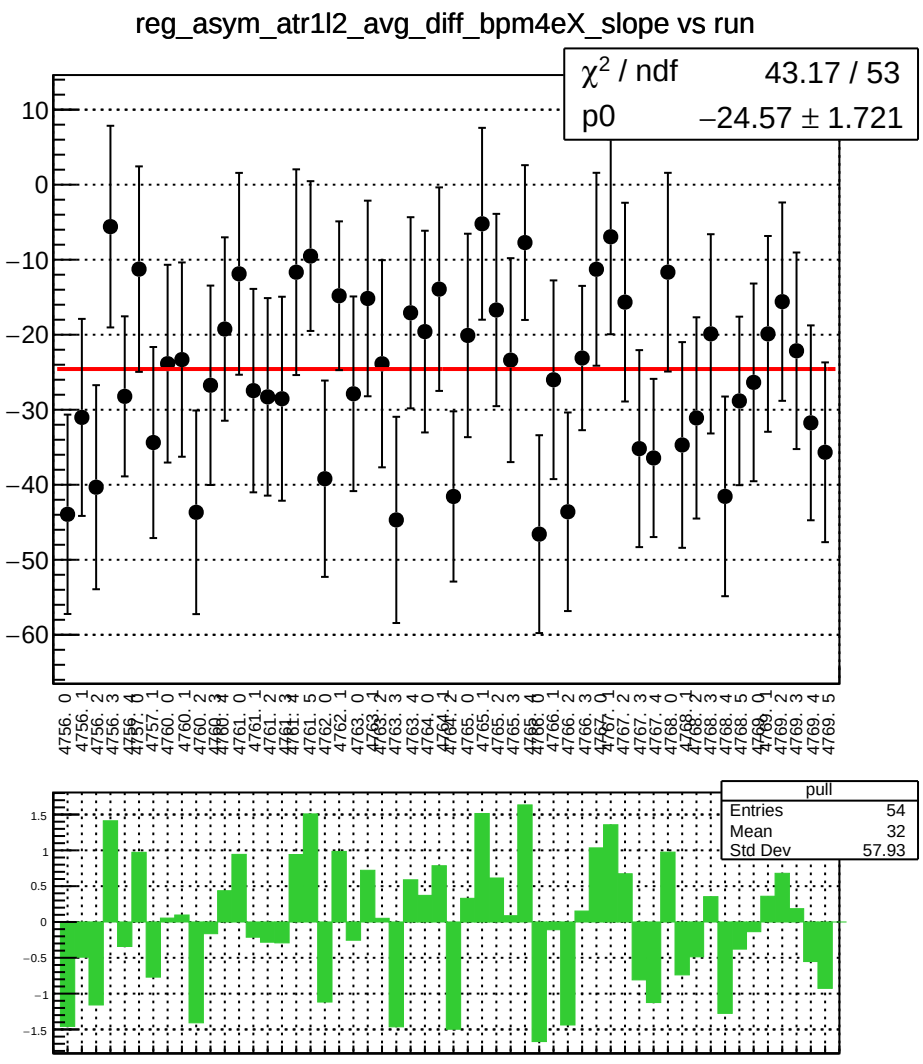

reg_asym_atl1r2_dd_diff_bpm11X_slope vs run
χ² / ndf 72.82 / 53
p0 24.28 ± 2.642
pull
Entries 54
Mean −47.87
Std Dev 84.49

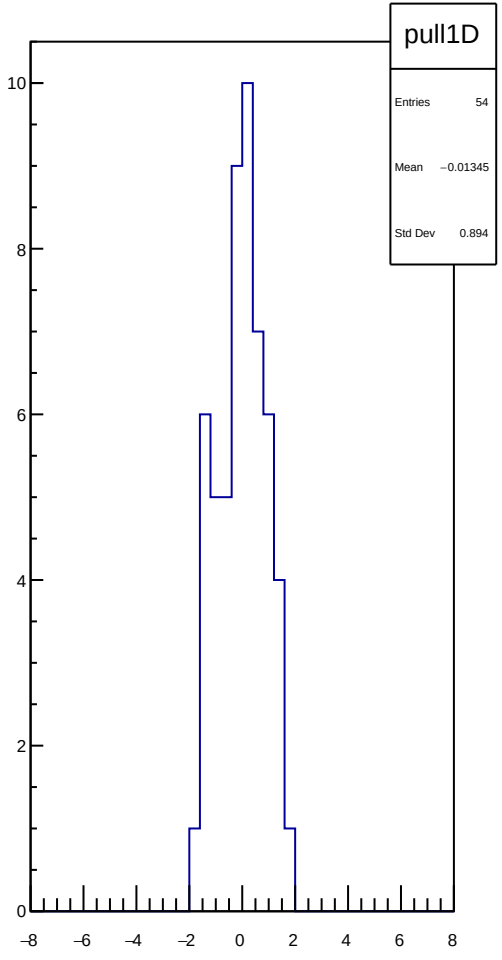

pull1D
Entries 54
Mean 0.0152
Std Dev 1.161

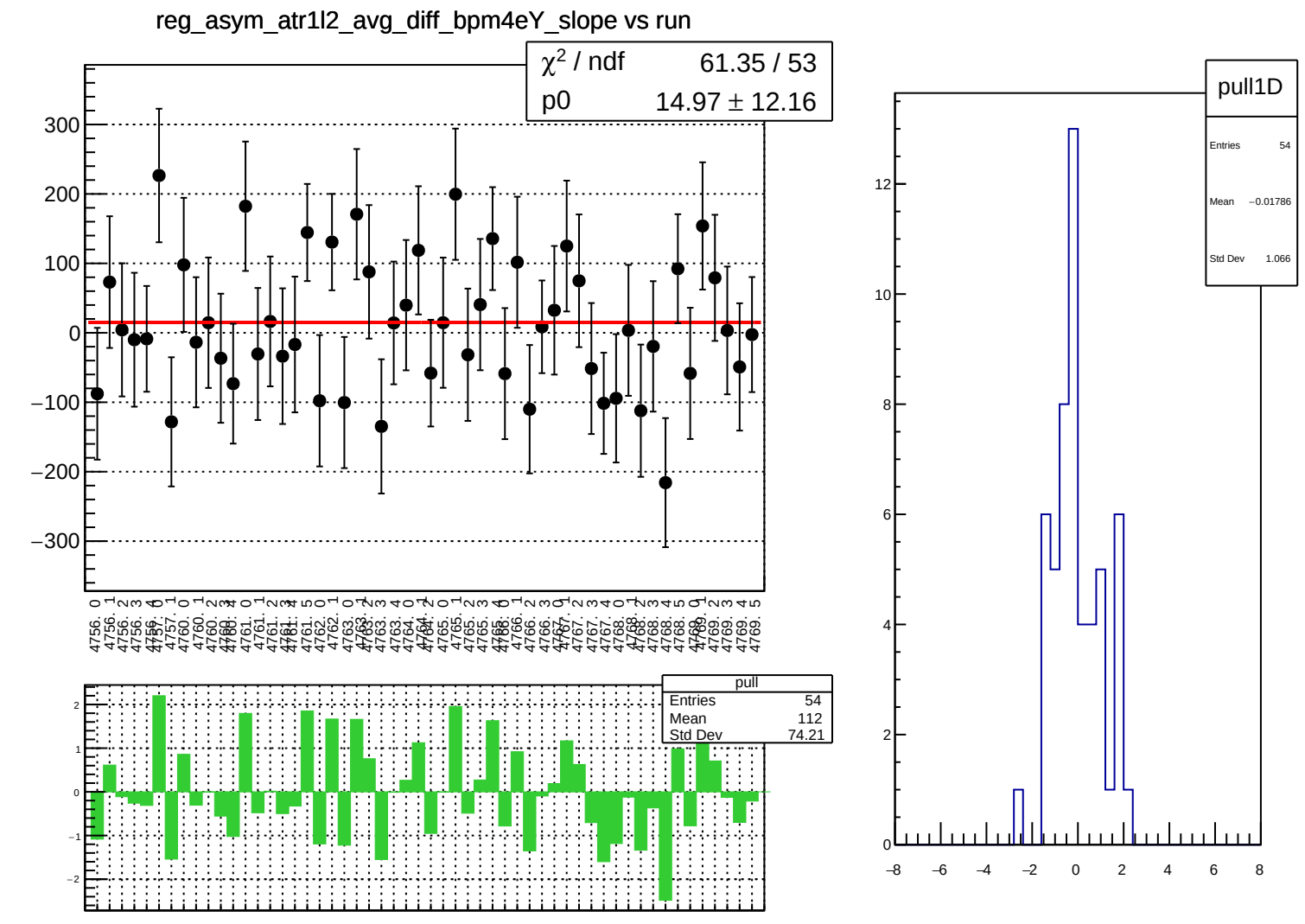

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 51.25 / 53
p0 3.208 ± 8.467
200
100
0
−100
−200
pull
Entries 54
Mean −246
Std Dev 264.6
2
1
0
−1
−2

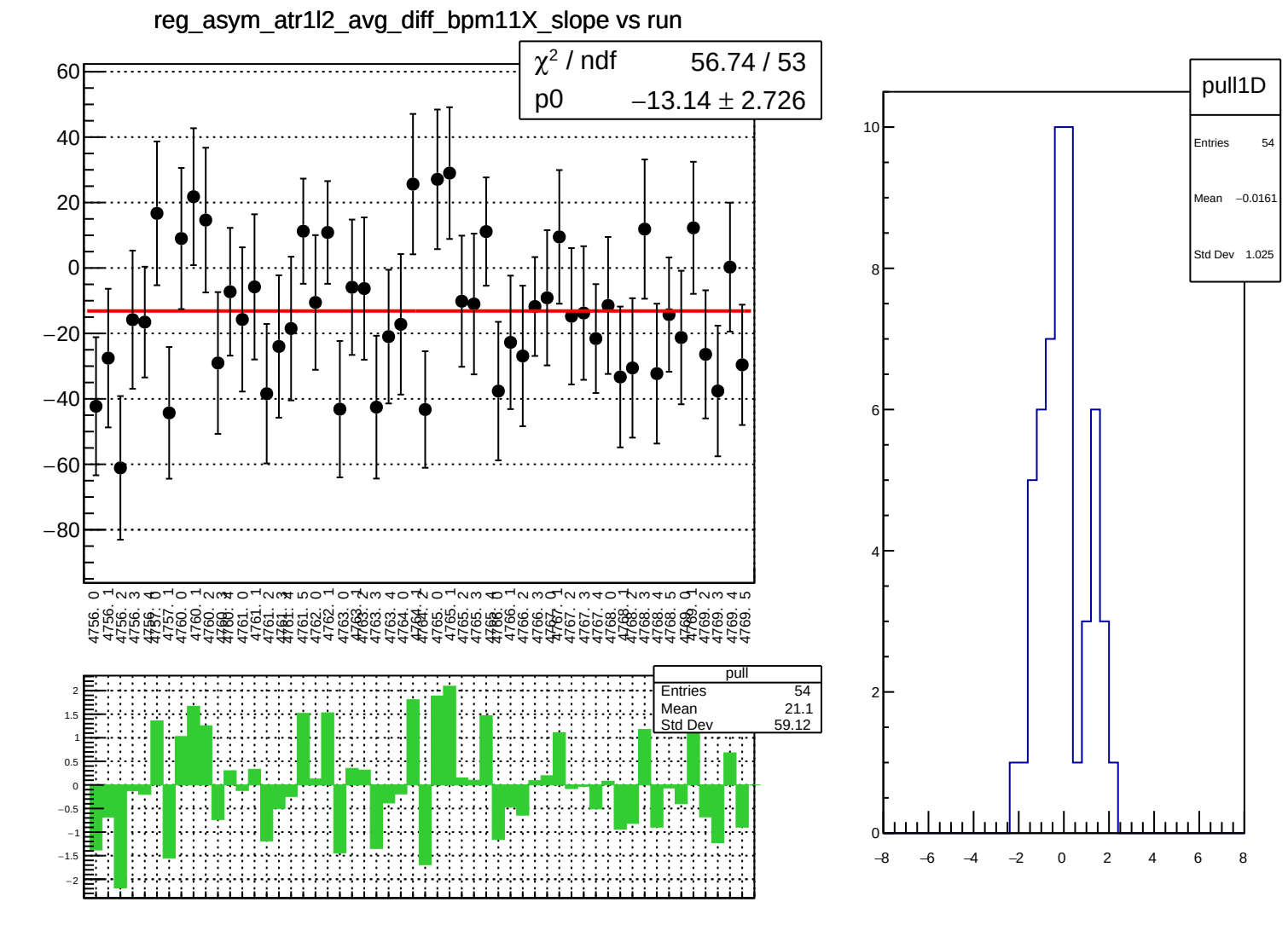

pull1D
Entries 54
Mean 0.005099
Std Dev 0.9742
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

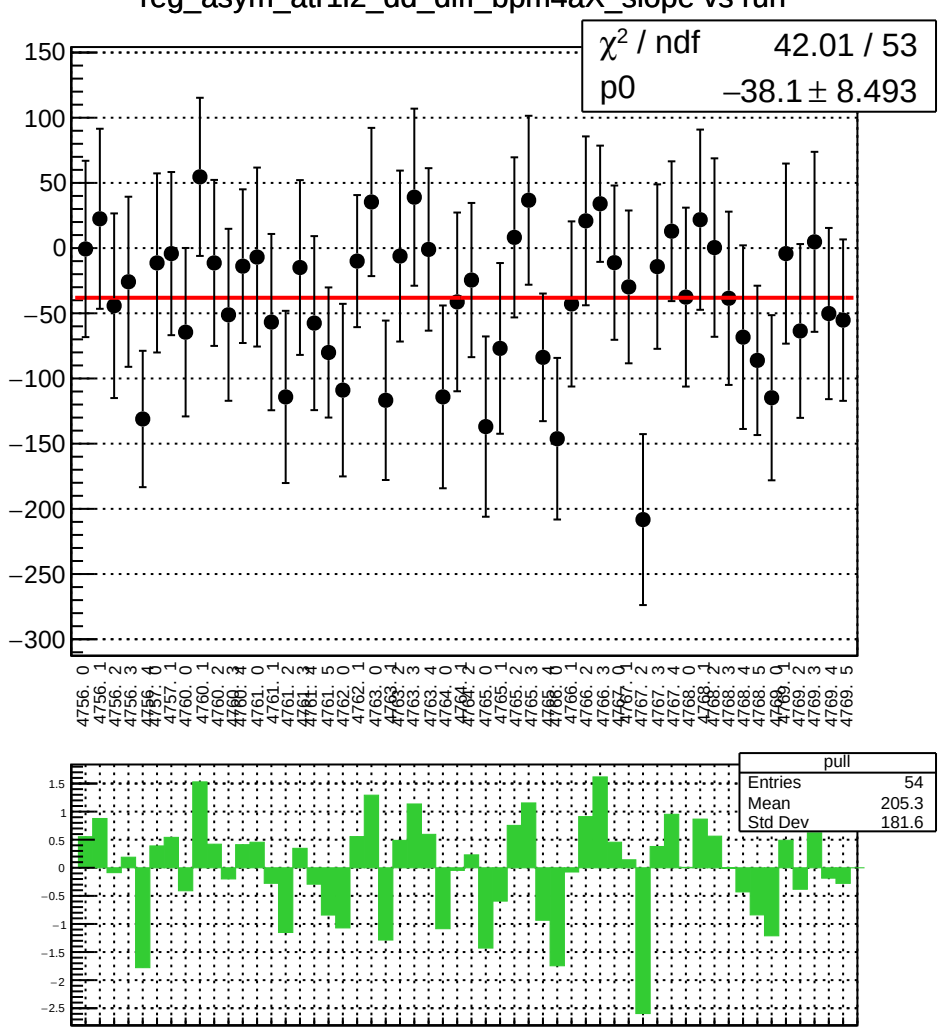

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.16 / 53
p0 −15.15 ± 10.3
pull
Entries 54
Mean 93.55
Std Dev 38.77
pull1D
Entries 54
Mean 0.01916
Std Dev 1.09

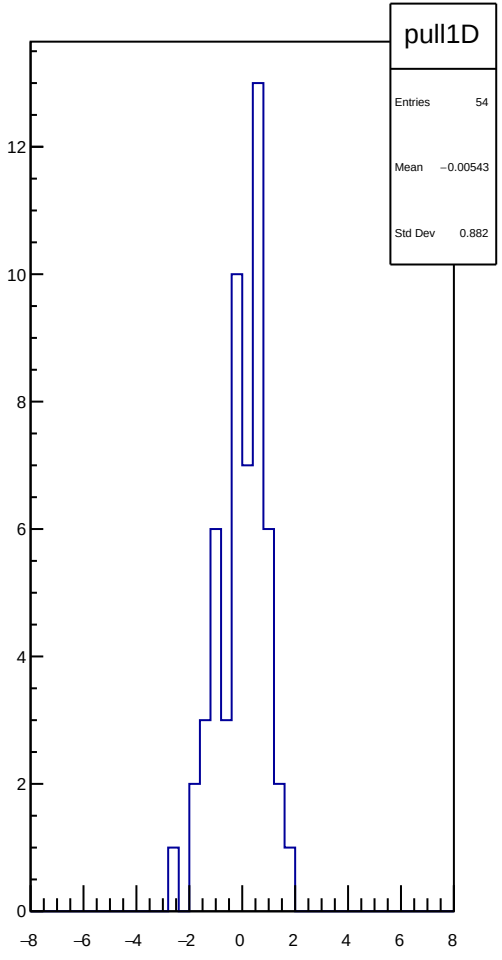

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.17 / 53
p0 −24.57 ± 1.721
pull
Entries 54
Mean 32
Std Dev 57.93

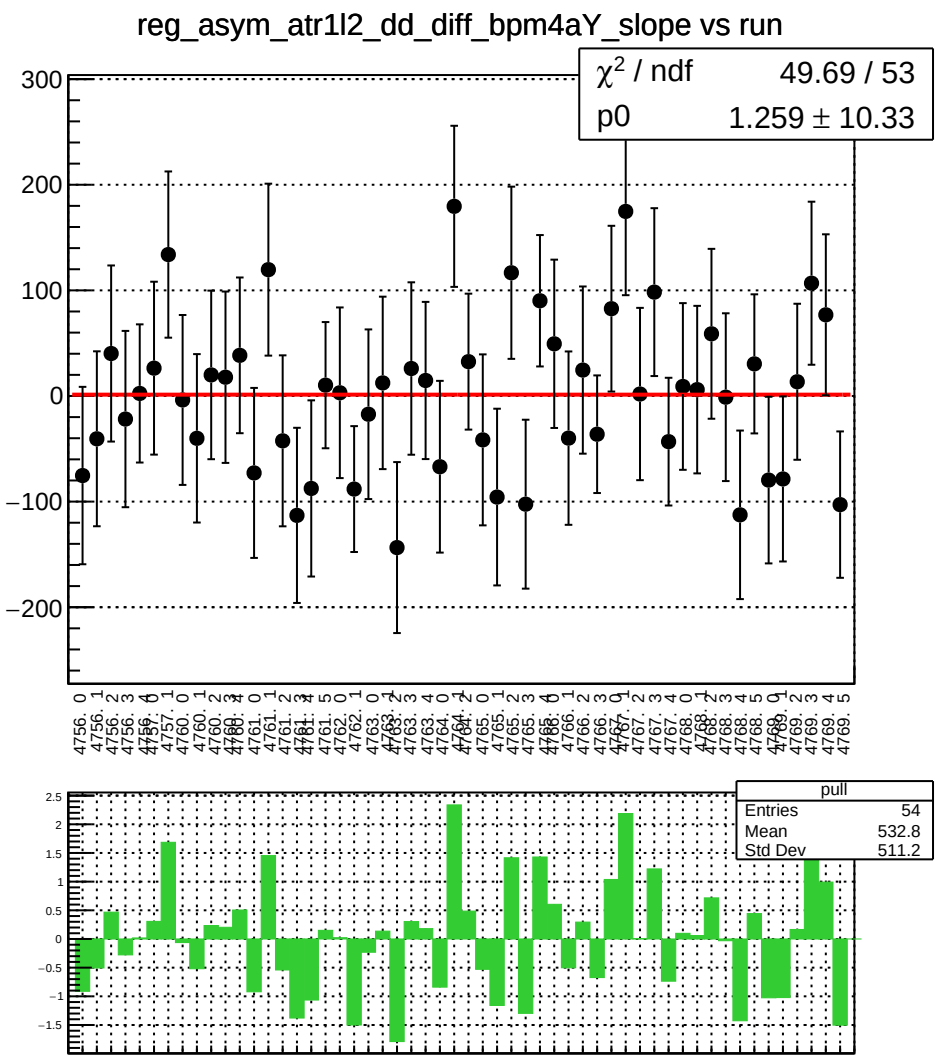

pull1D
Entries 54
Mean −0.01345
Std Dev 0.894

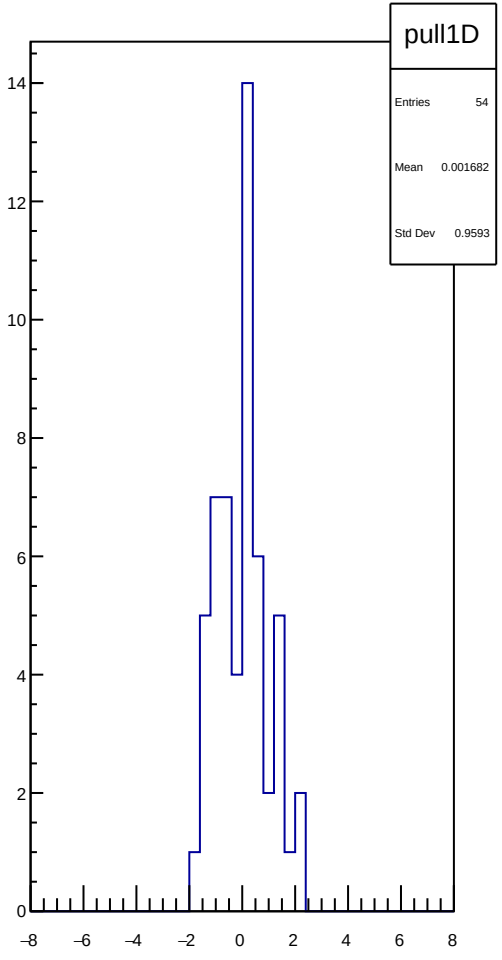

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 61.35 / 53
p0 14.97 ± 12.16
300
200
100
0
−100
−200
−300
pull
Entries 54
Mean 112
Std Dev 74.21
pull1D
Entries 54
Mean −0.01786
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

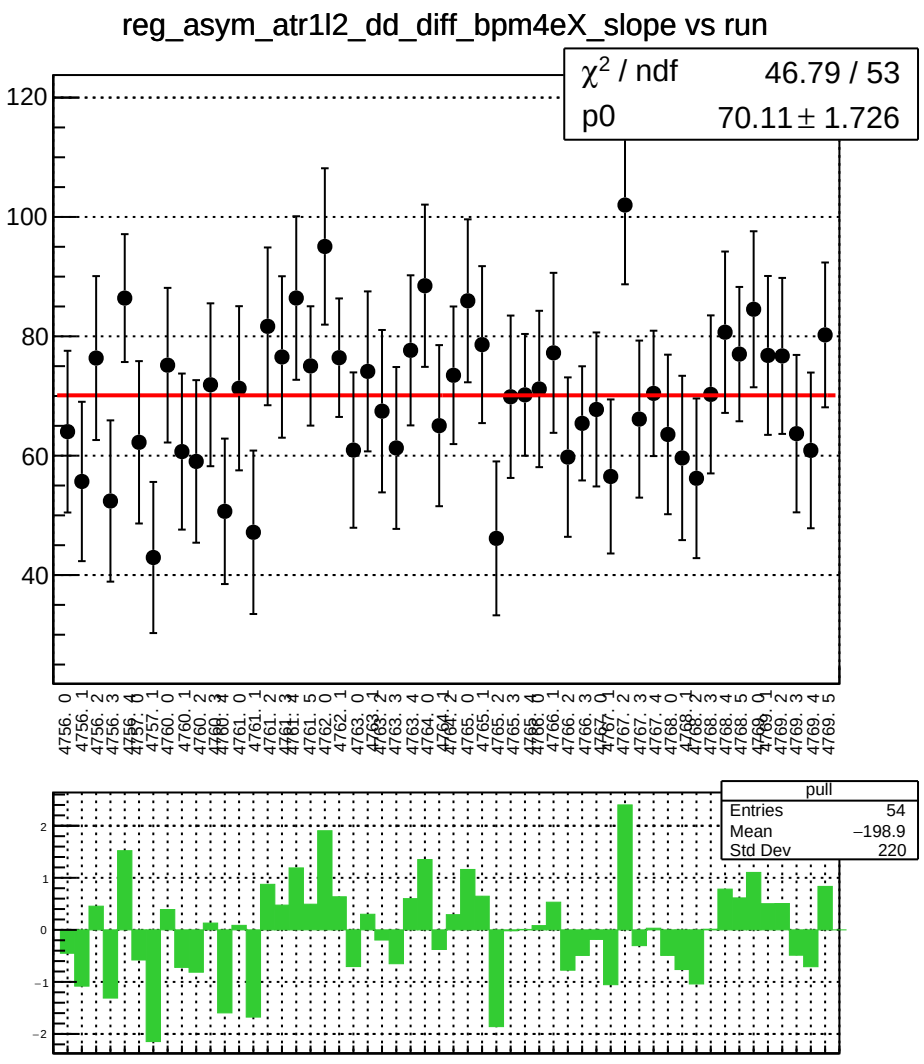

reg_asym_atr1l2_avg_diff_bpm11X_slope vs run
χ² / ndf 56.74 / 53
p0 −13.14 ± 2.726
pull
Entries 54
Mean 21.1
Std Dev 59.12
pull1D
Entries 54
Mean −0.0161
Std Dev 1.025

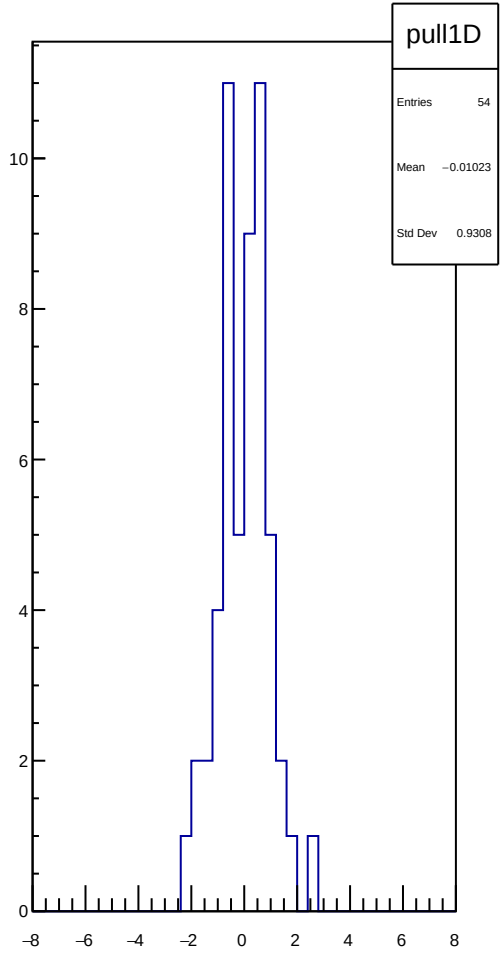

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 42.01 / 53
p0 −38.1 ± 8.493
pull
Entries 54
Mean 205.3
Std Dev 181.6

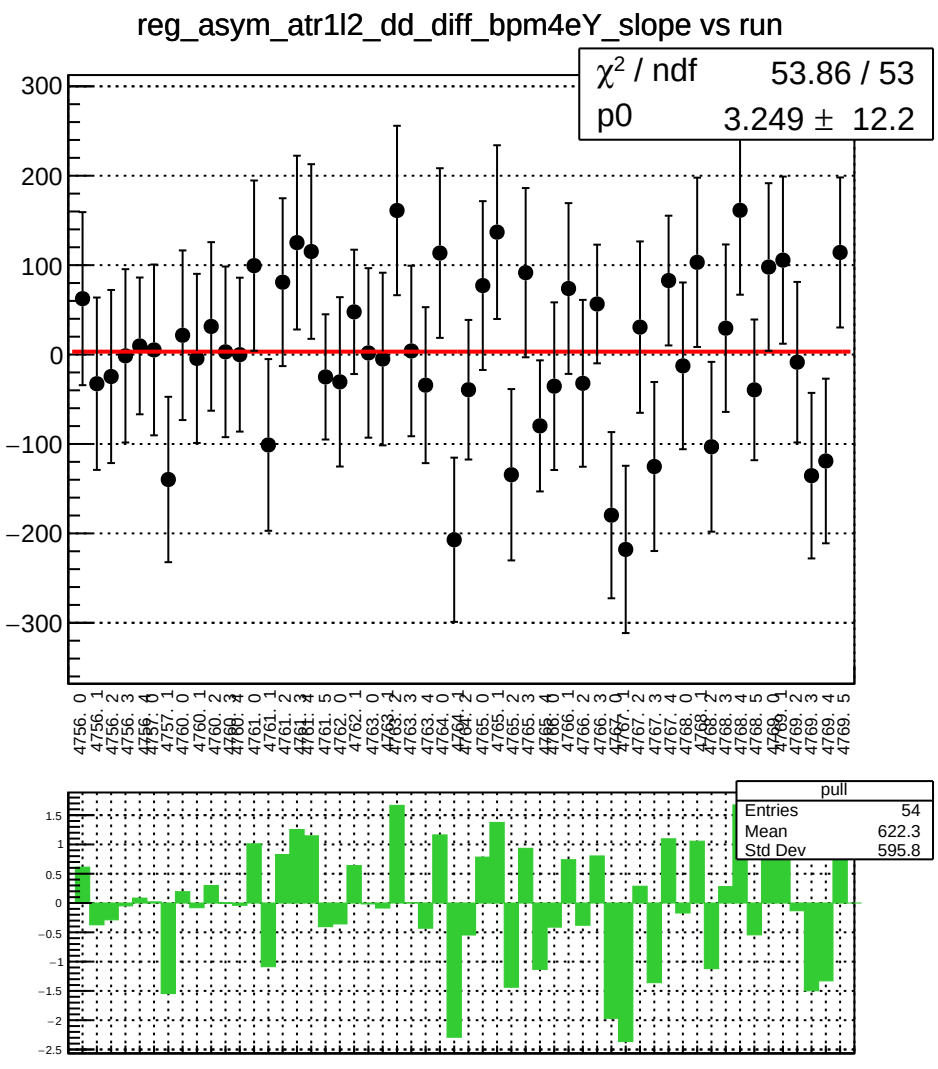

pull1D
Entries 54
Mean −0.00543
Std Dev 0.882

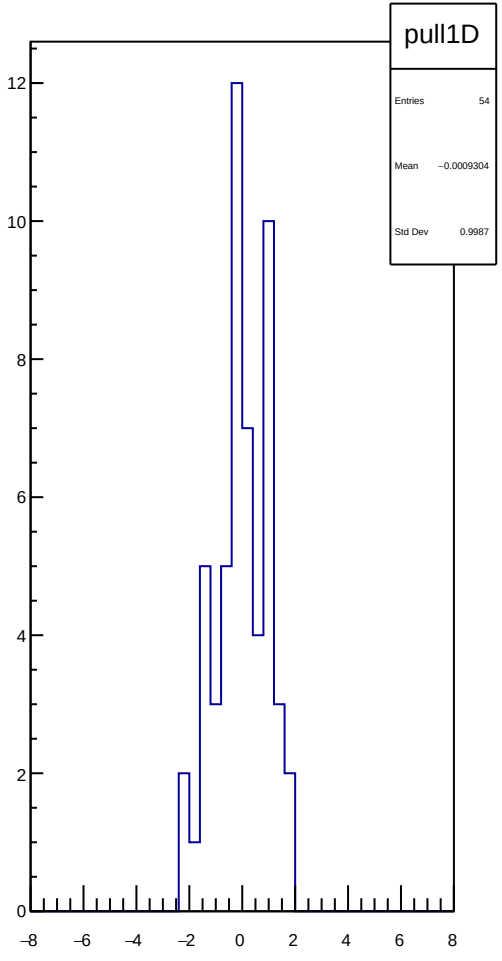

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.69 / 53
p0 1.259 ± 10.33
pull
Entries 54
Mean 532.8
Std Dev 511.2

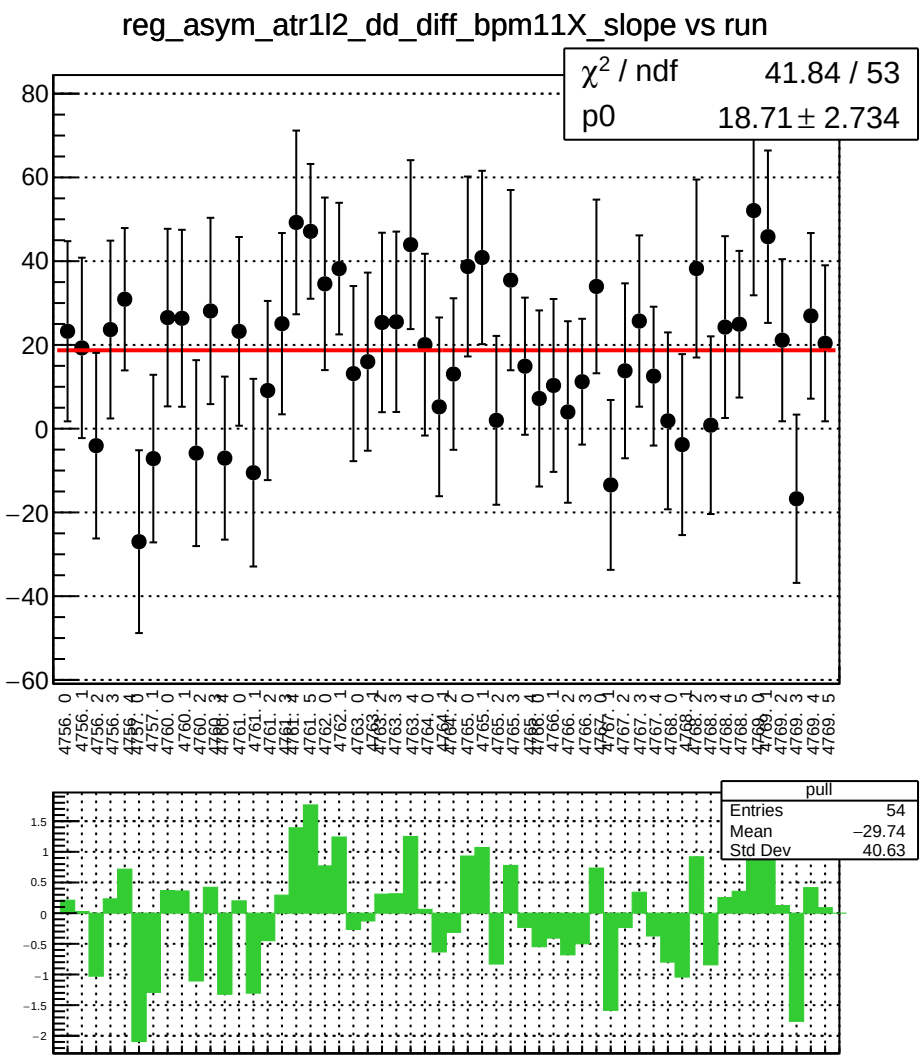

pull1D
Entries 54
Mean 0.001682
Std Dev 0.9593

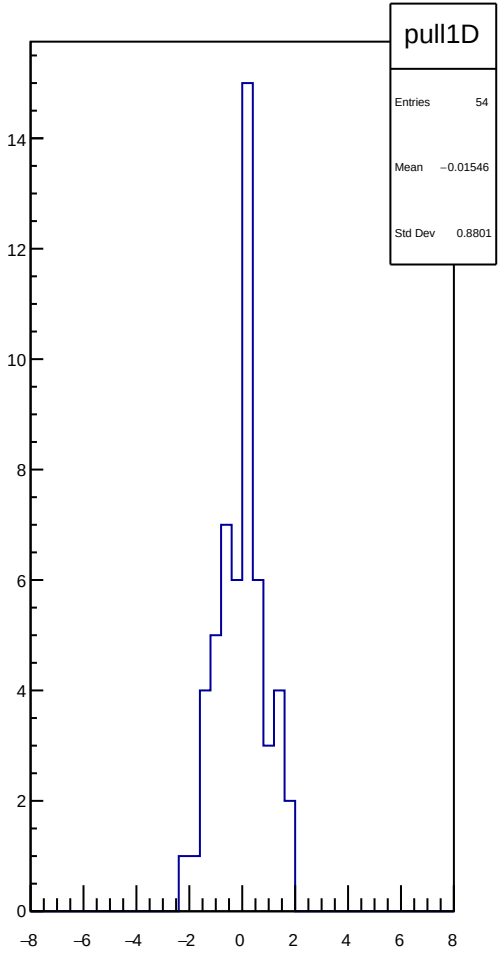

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.79 / 53
p0 70.11 ± 1.726
120
100
80
60
40
pull
Entries 54
Mean −198.9
Std Dev 220
2
1
0
−1
−2

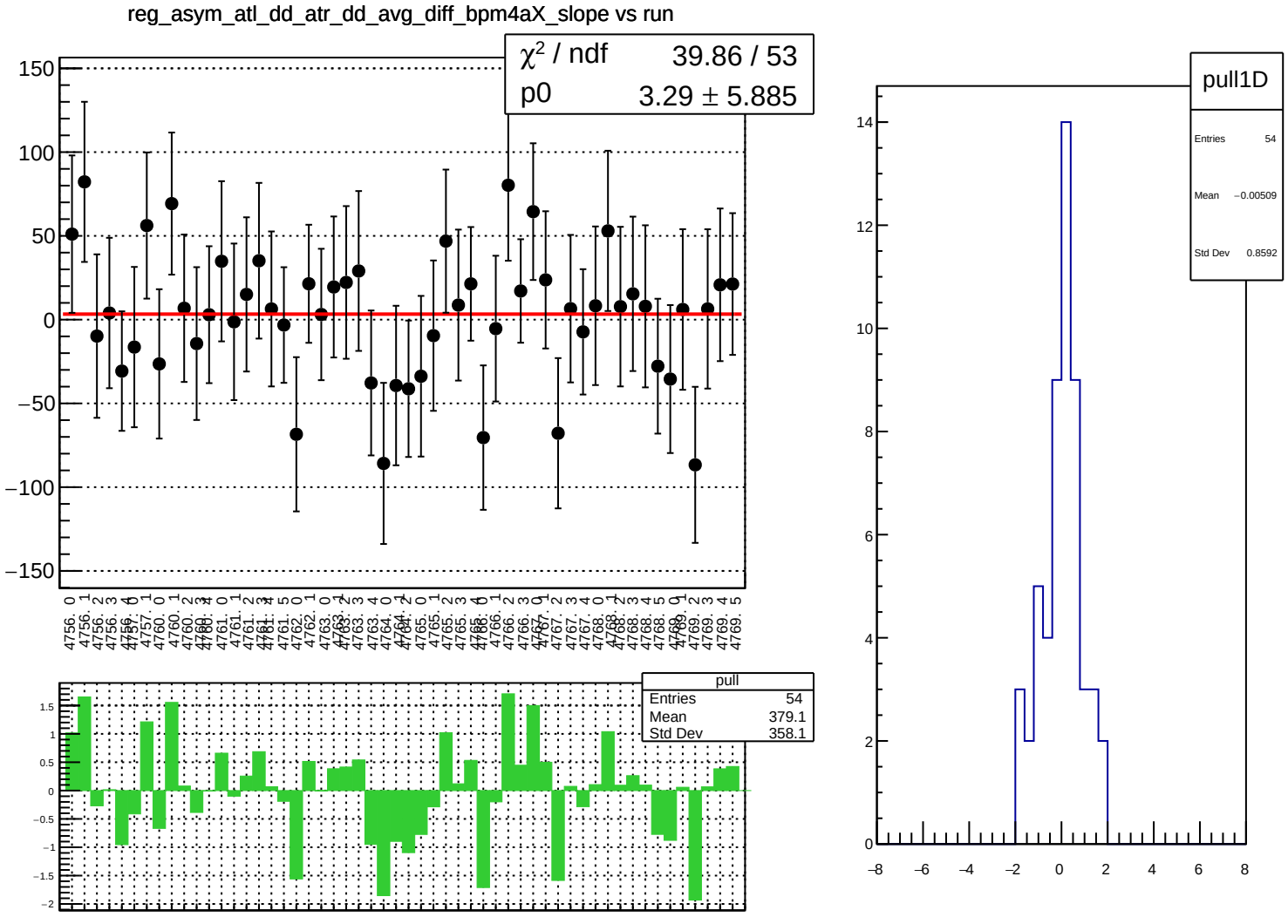

pull1D
Entries 54
Mean −0.01023
Std Dev 0.9308
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

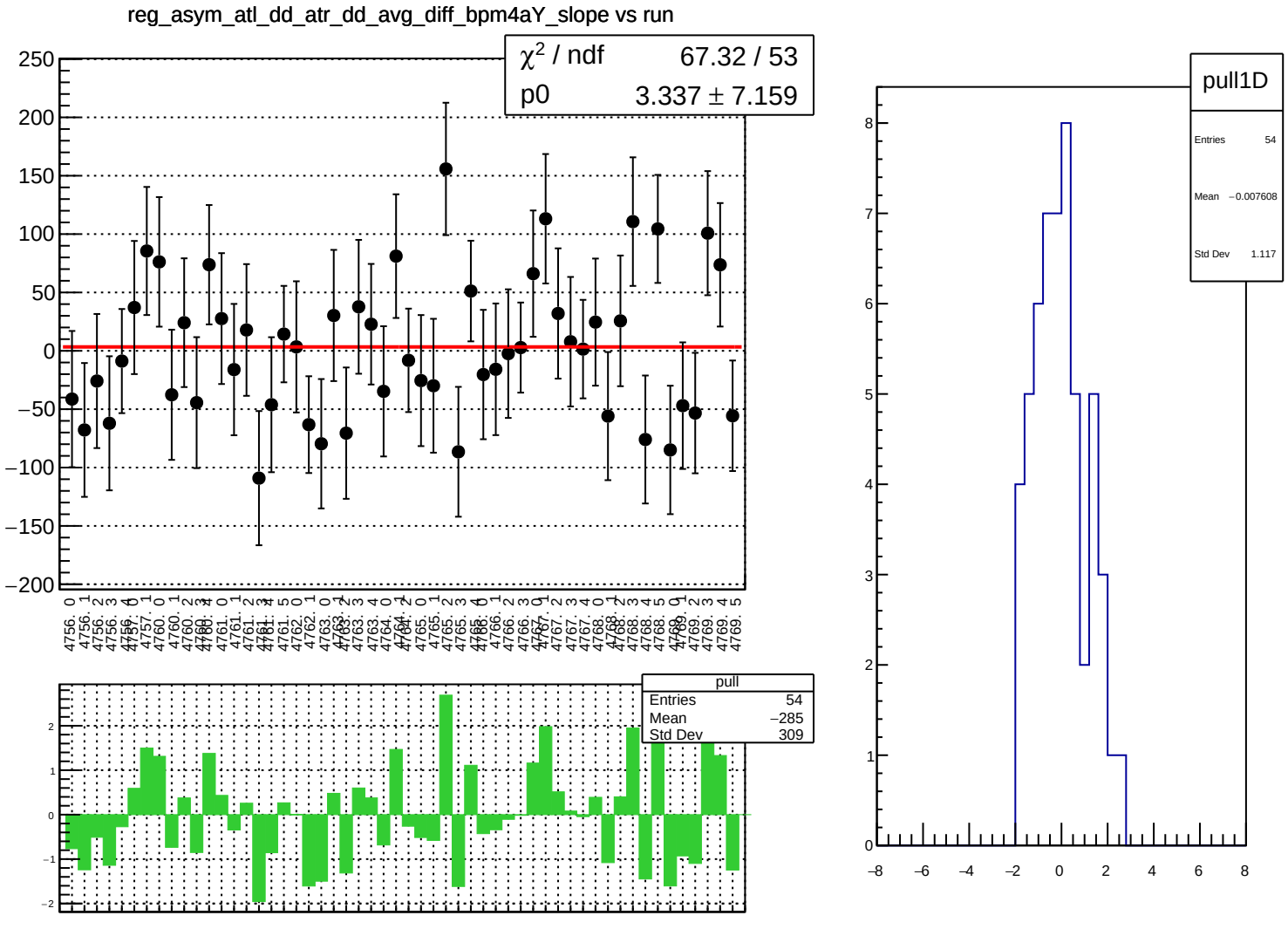

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.86 / 53
p0 3.249 ± 12.2
pull
Entries 54
Mean 622.3
Std Dev 595.8

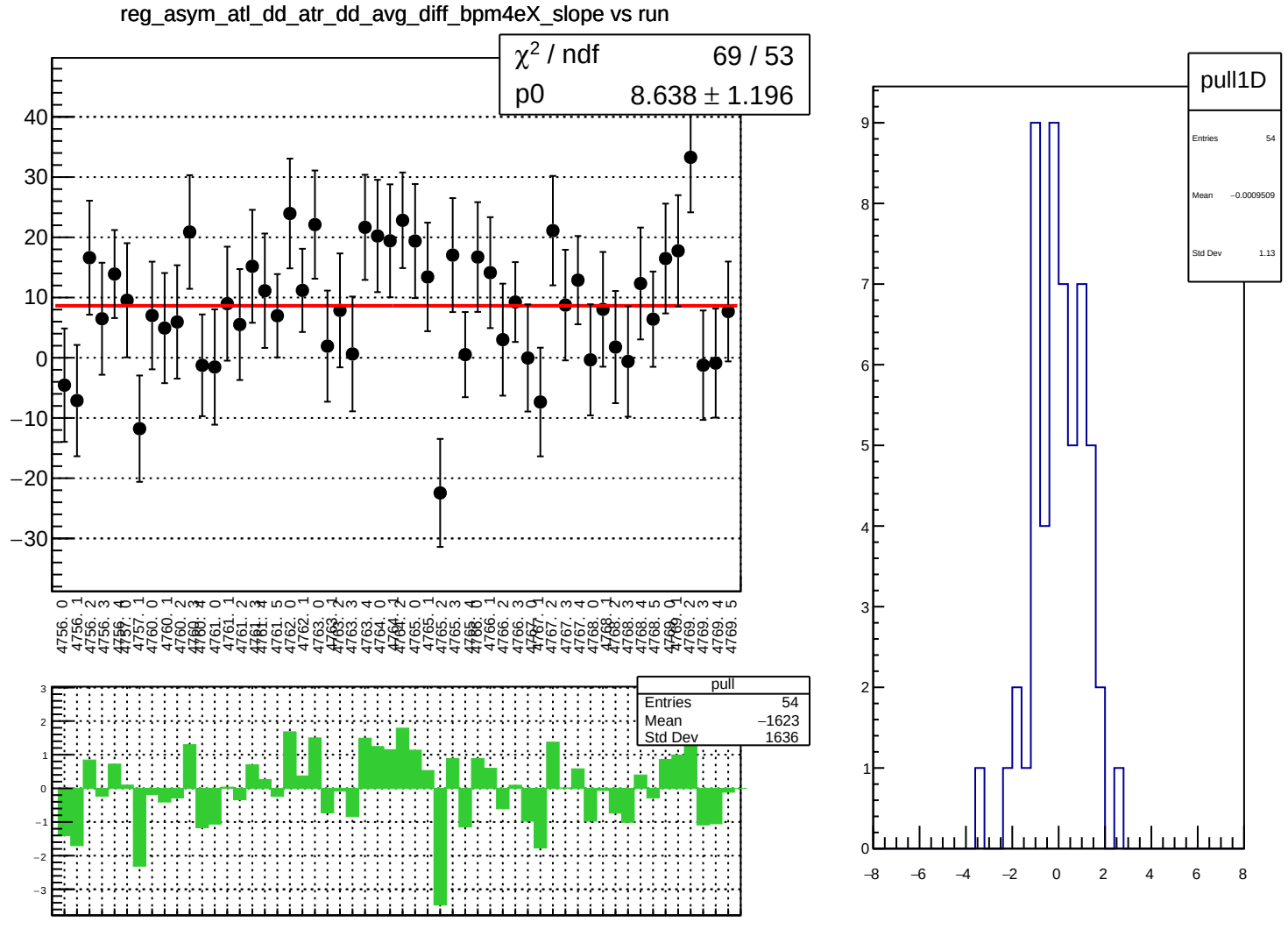

pull1D
Entries 54
Mean −0.0009304
Std Dev 0.9987

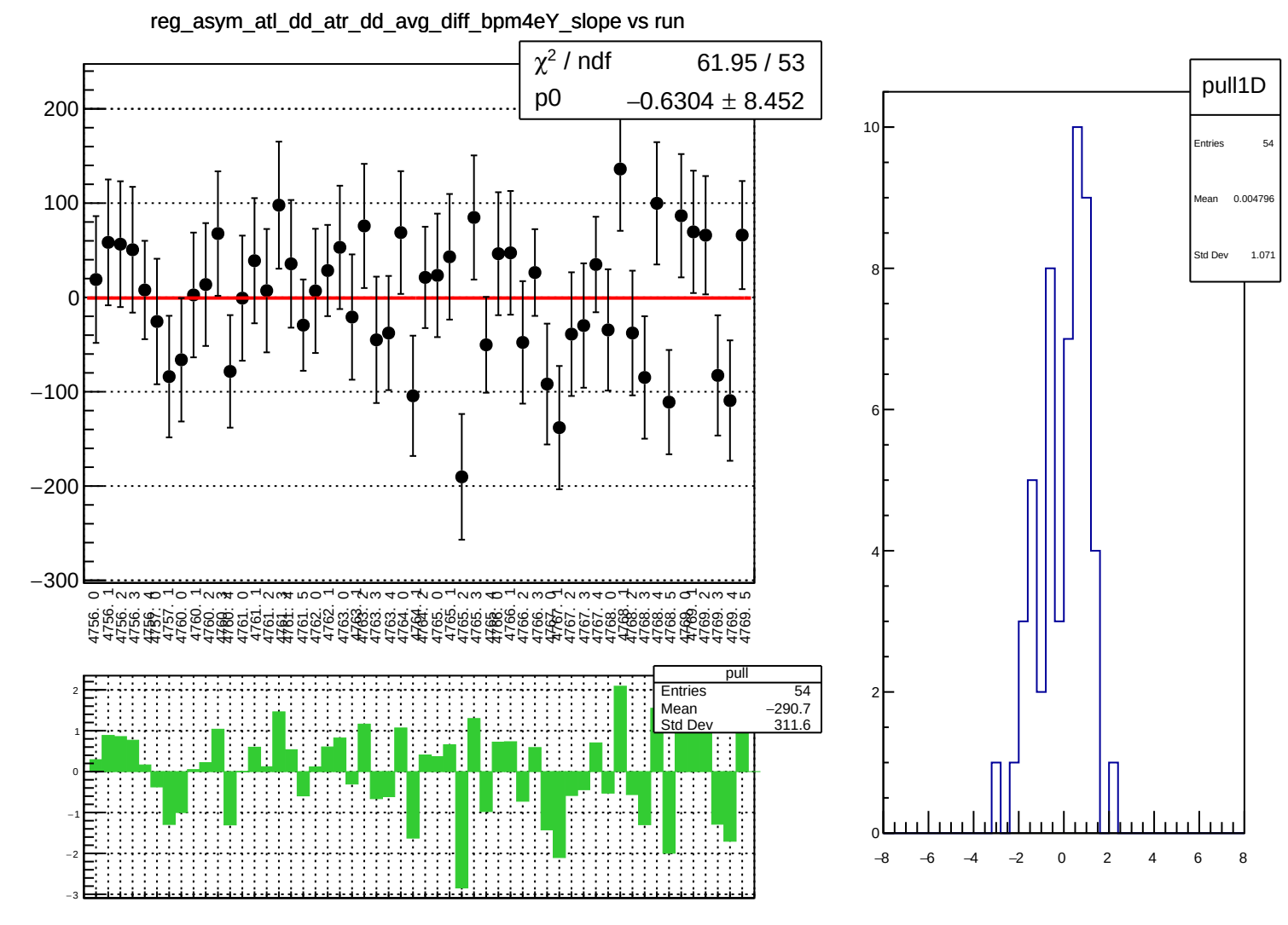

reg_asym_atr1l2_dd_diff_bpm11X_slope vs run
χ² / ndf 41.84 / 53
p0 18.71 ± 2.734
pull
Entries 54
Mean −29.74
Std Dev 40.63

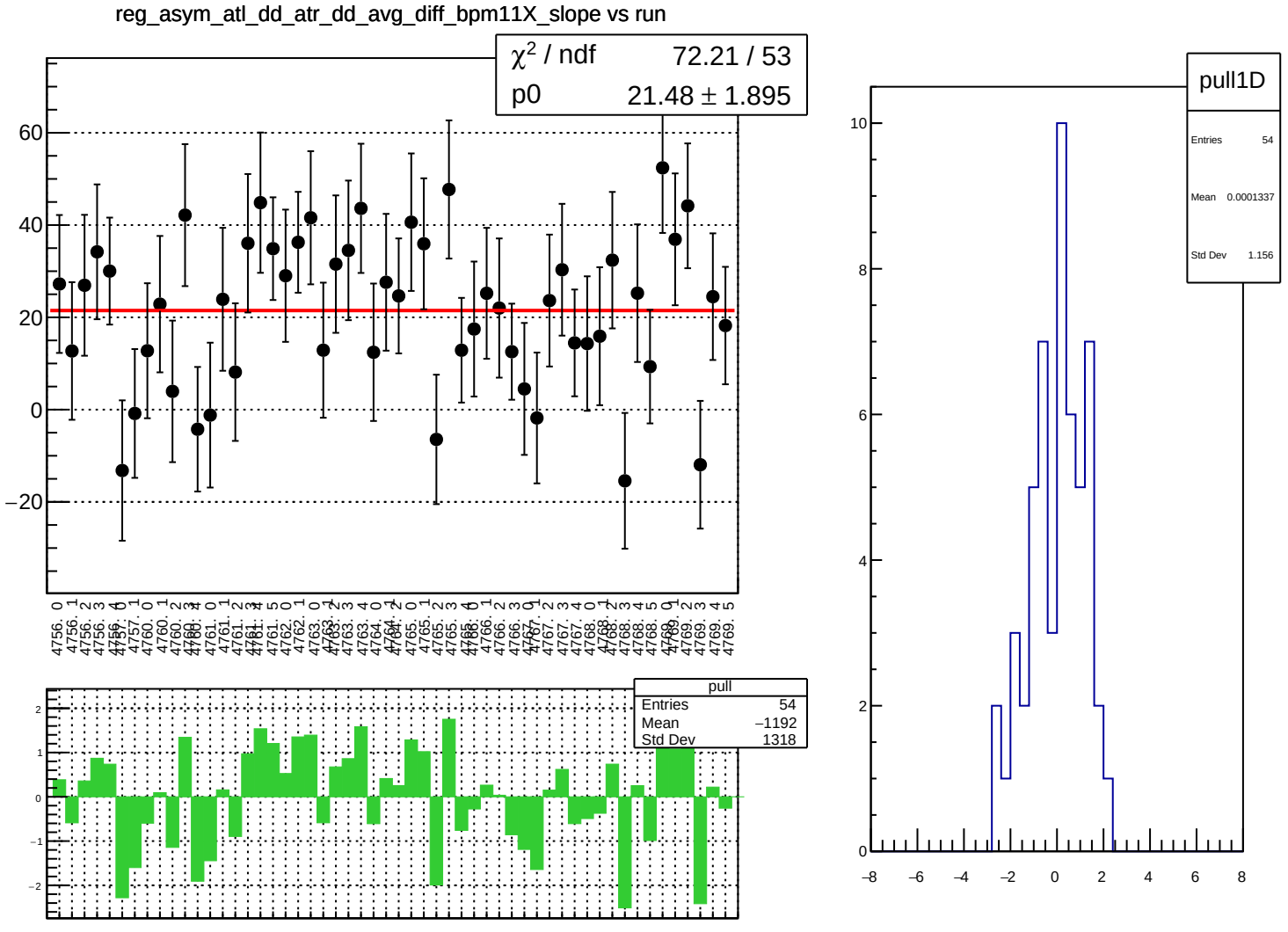

pull1D
Entries 54
Mean −0.01546
Std Dev 0.8801

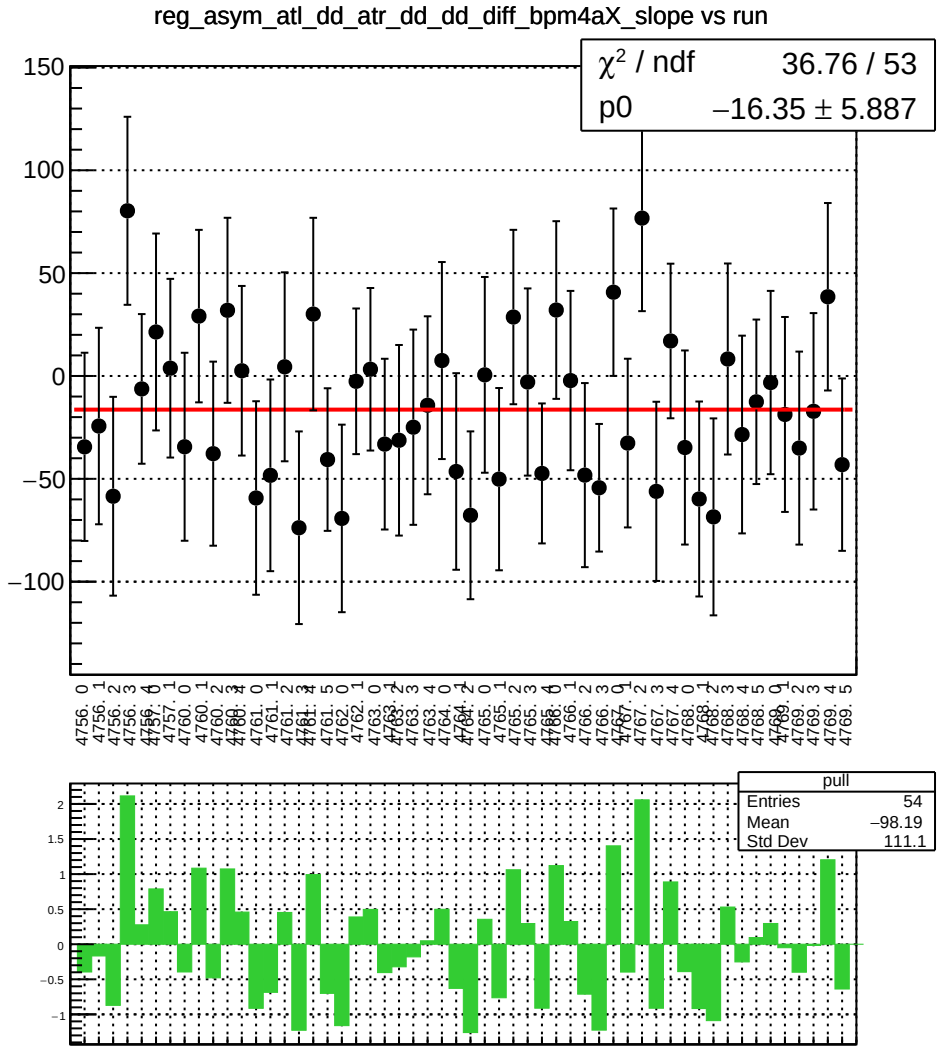

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 39.86 / 53
p0 3.29 ± 5.885
pull
Entries 54
Mean 379.1
Std Dev 358.1
pull1D
Entries 54
Mean −0.00509
Std Dev 0.8592

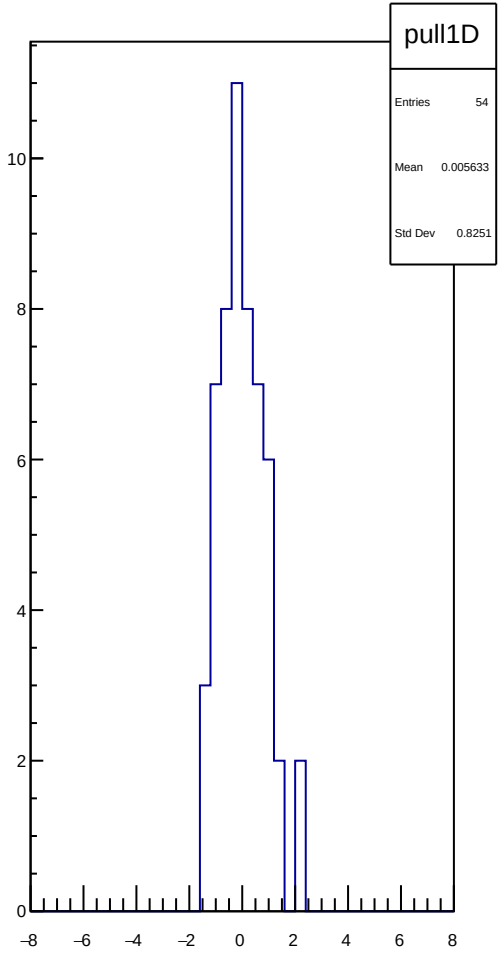

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.32 / 53
p0 3.337 ± 7.159
pull
Entries 54
Mean −285
Std Dev 309
pull1D
Entries 54
Mean −0.007608
Std Dev 1.117

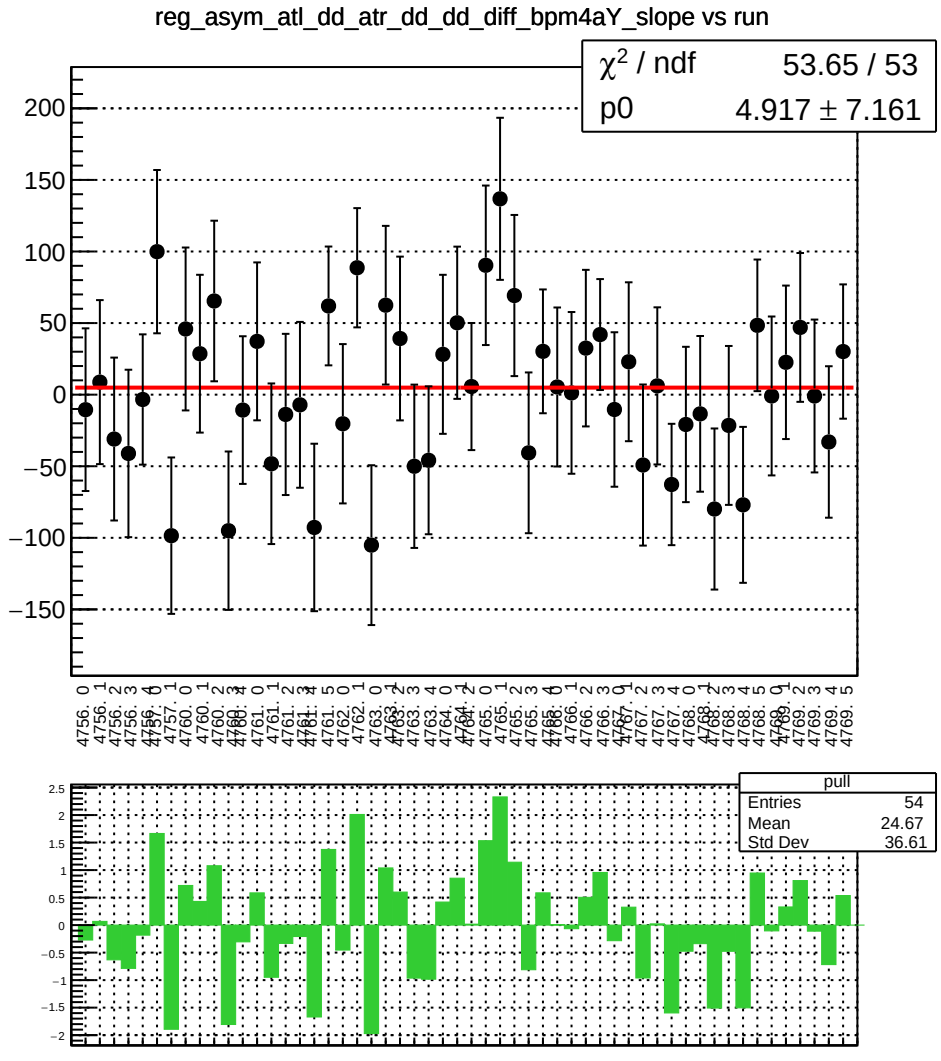

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 69 / 53
p0 8.638 ± 1.196
pull
Entries 54
Mean −1623
Std Dev 1636
pull1D
Entries 54
Mean −0.0009509
Std Dev 1.13

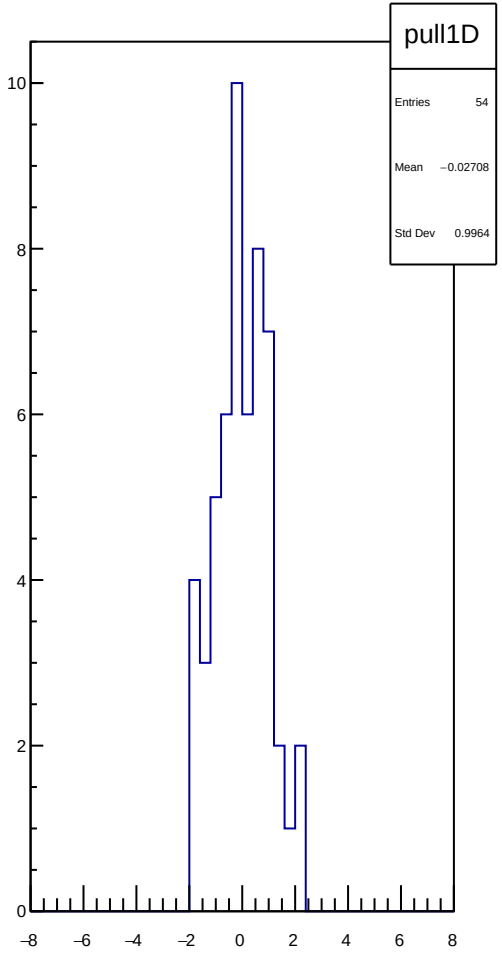

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 61.95 / 53
p0 −0.6304 ± 8.452
pull
Entries 54
Mean −290.7
Std Dev 311.6
pull1D
Entries 54
Mean 0.004796
Std Dev 1.071

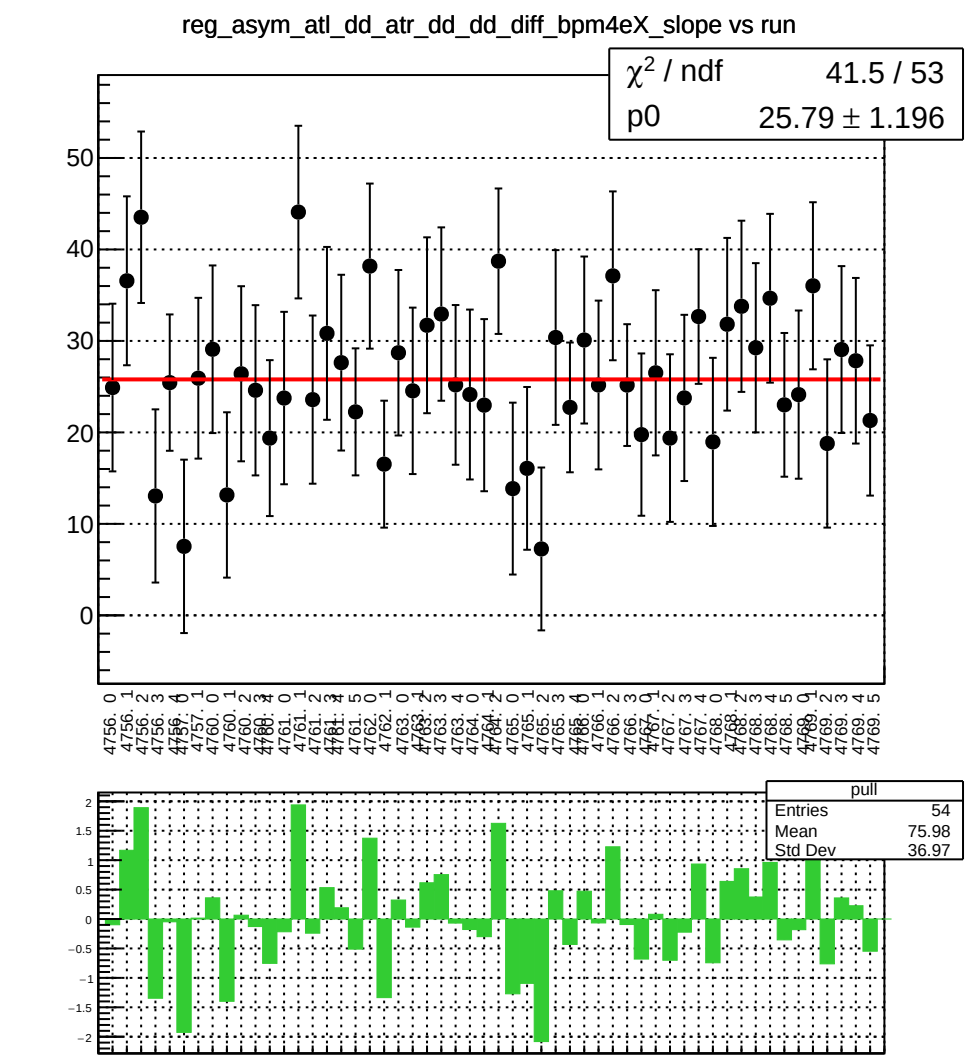

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs run
χ² / ndf 72.21 / 53
p0 21.48 ± 1.895
pull
Entries 54
Mean −1192
Std Dev 1318
pull1D
Entries 54
Mean 0.0001337
Std Dev 1.156

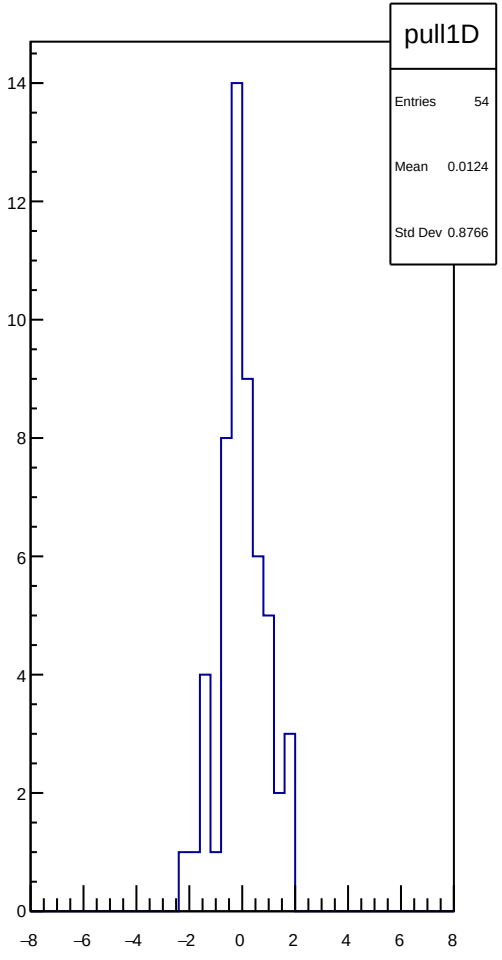

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.76 / 53
p0 −16.35 ± 5.887
150
100
50
0
−50
−100
pull
Entries 54
Mean −98.19
Std Dev 111.1
2
1.5
1
0.5
0
−0.5
−1

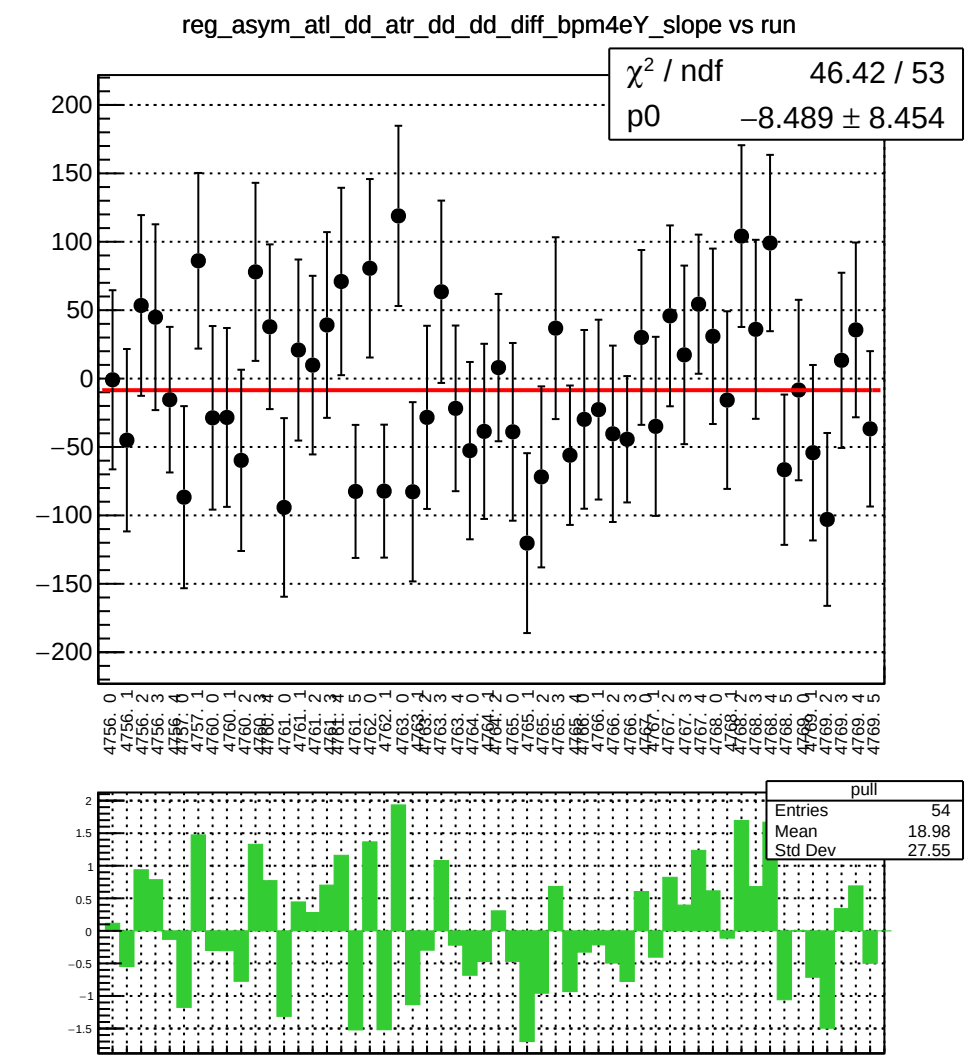

pull1D
Entries 54
Mean 0.005633
Std Dev 0.8251
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

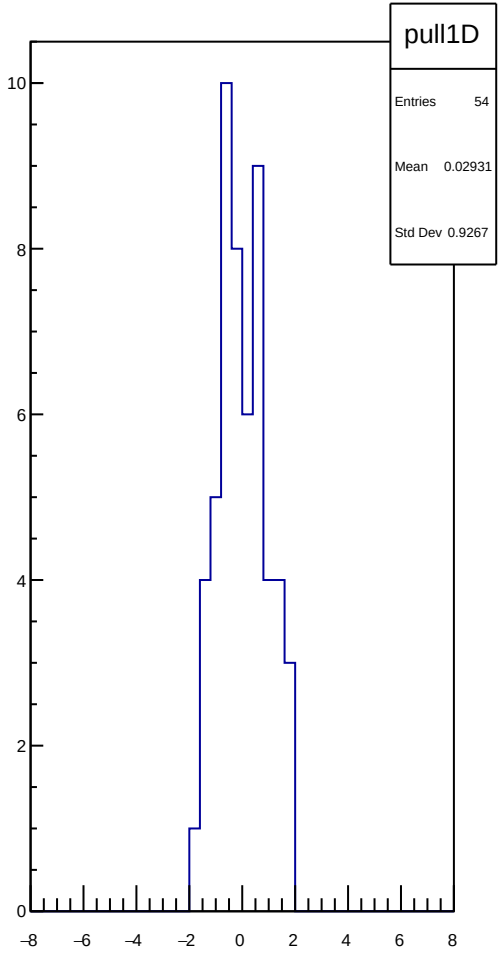

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.65 / 53
p0 4.917 ± 7.161
pull
Entries 54
Mean 24.67
Std Dev 36.61

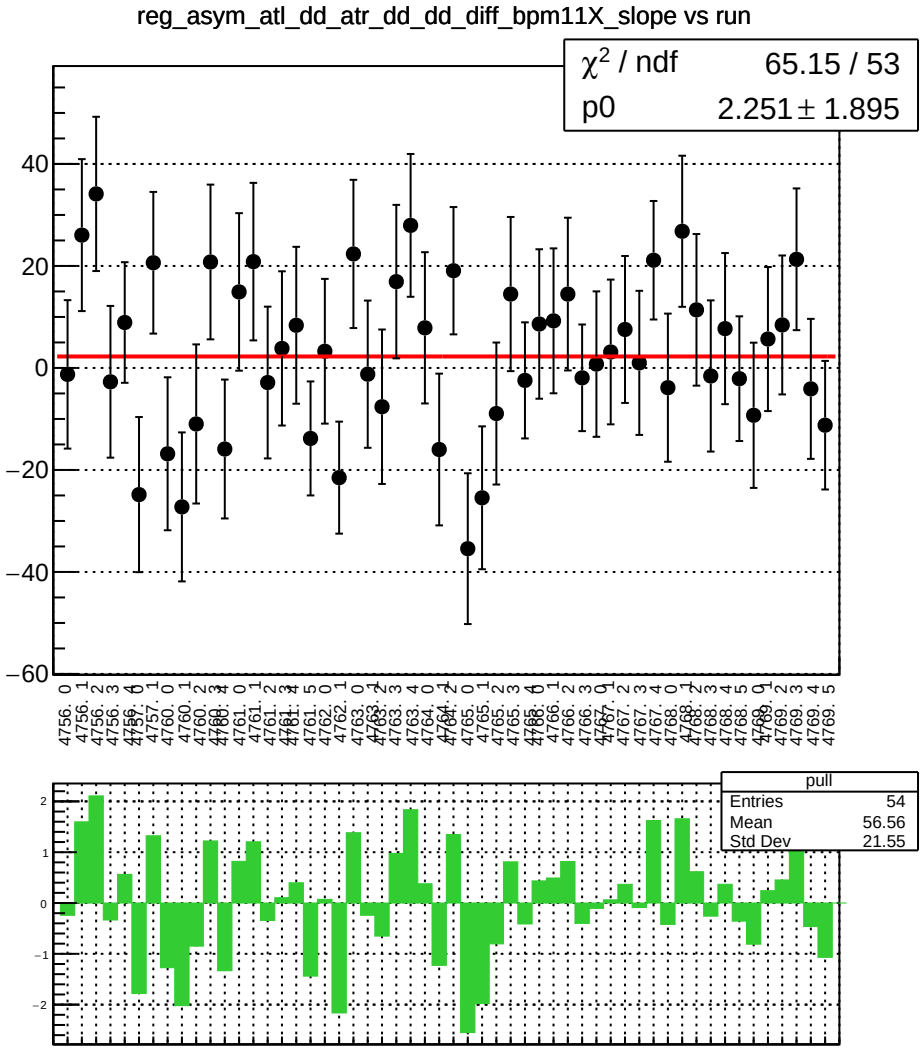

pull1D
Entries 54
Mean −0.02708
Std Dev 0.9964

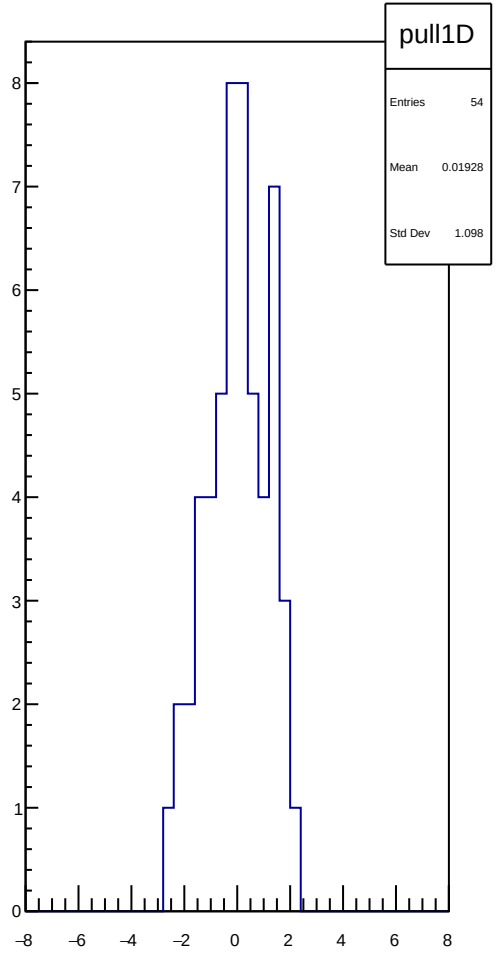

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.5 / 53
p0 25.79 ± 1.196
pull
Entries 54
Mean 75.98
Std Dev 36.97

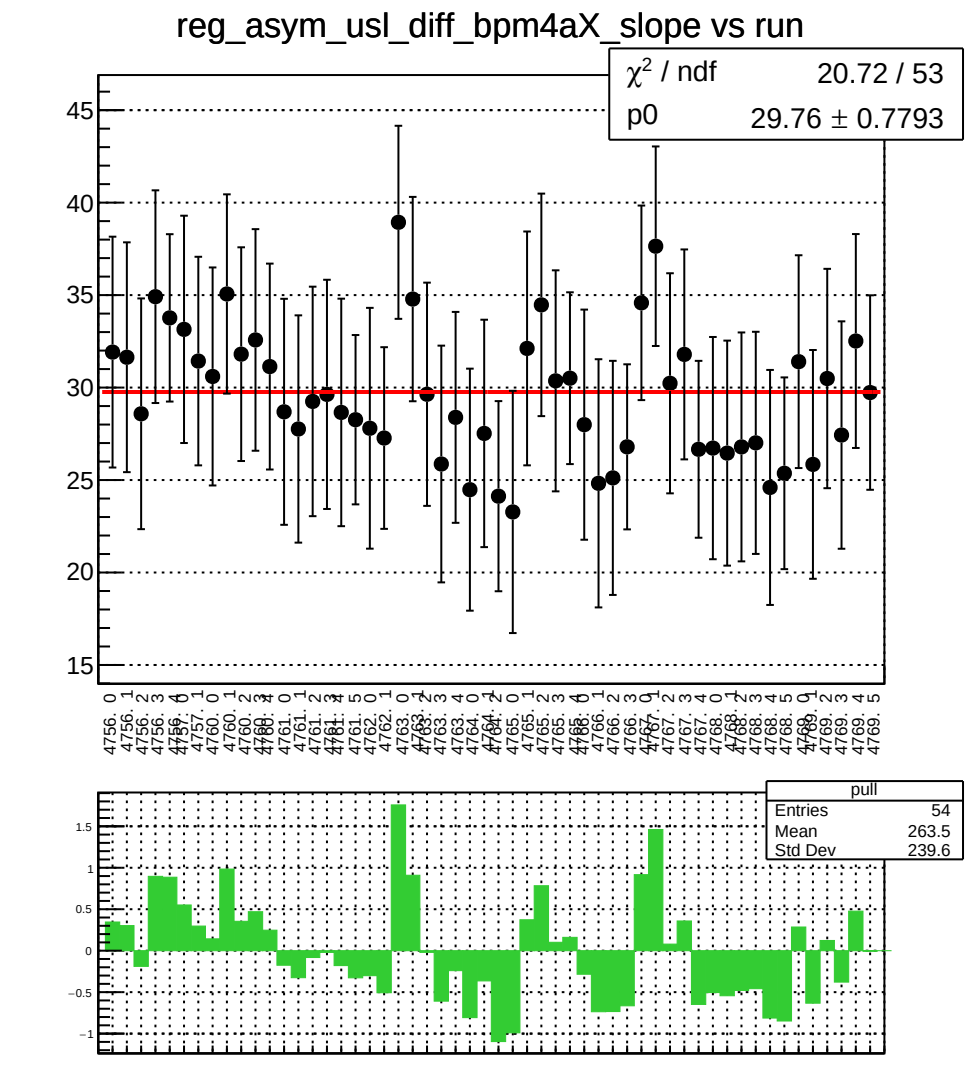

pull1D
Entries 54
Mean 0.0124
Std Dev 0.8766

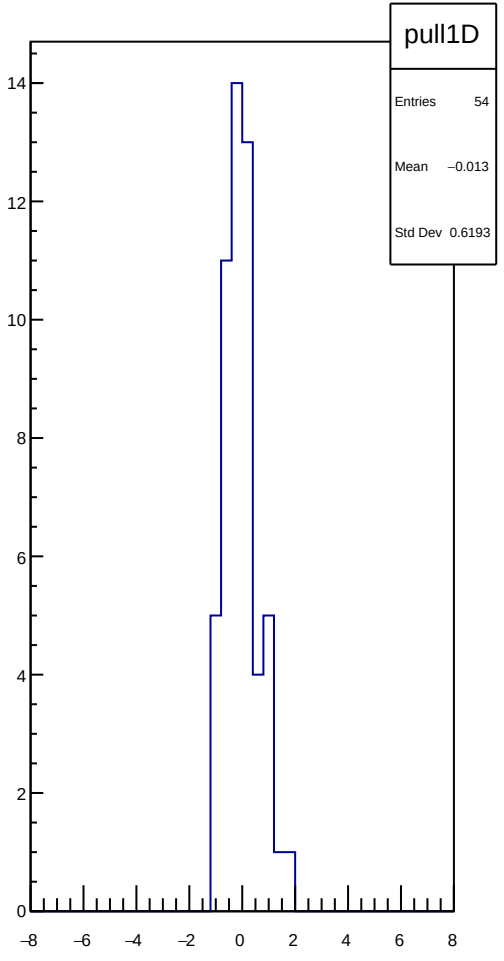

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.42 / 53
p0 −8.489 ± 8.454
pull
Entries 54
Mean 18.98
Std Dev 27.55

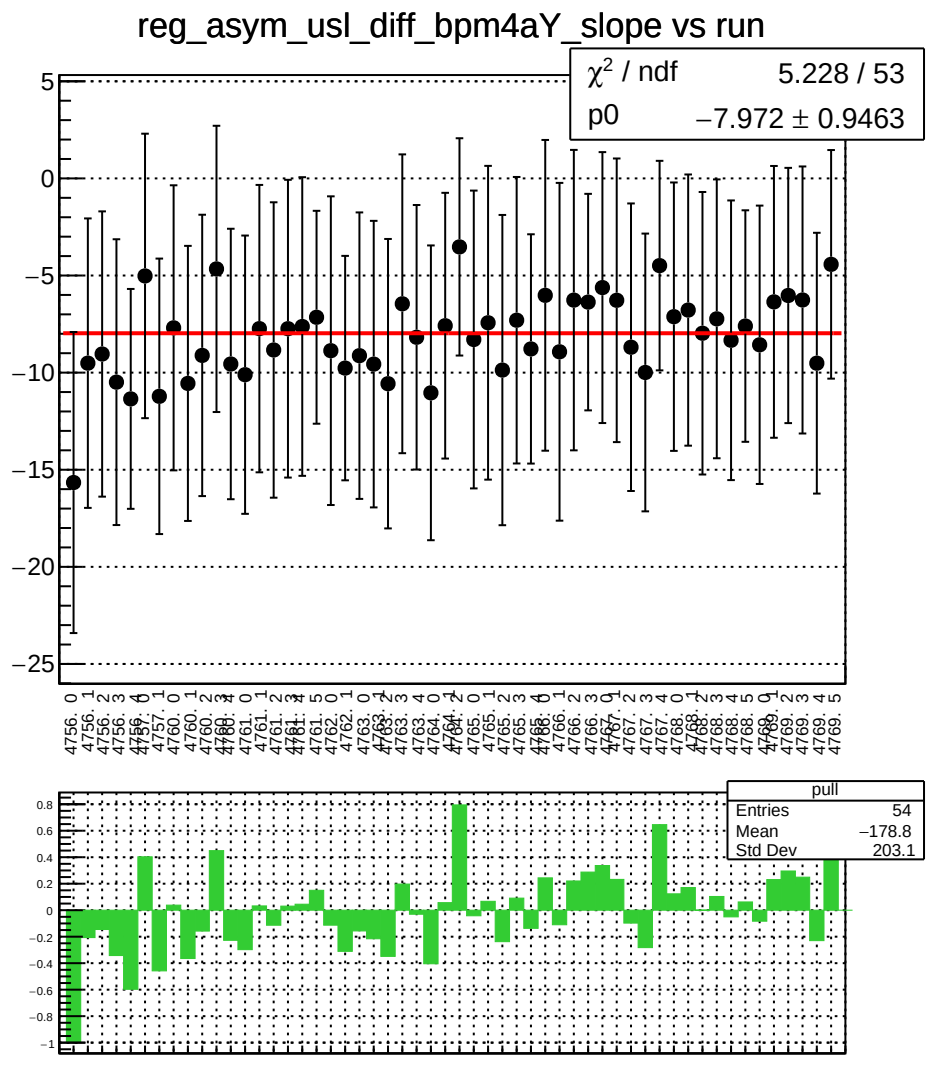

pull1D
Entries 54
Mean 0.02931
Std Dev 0.9267

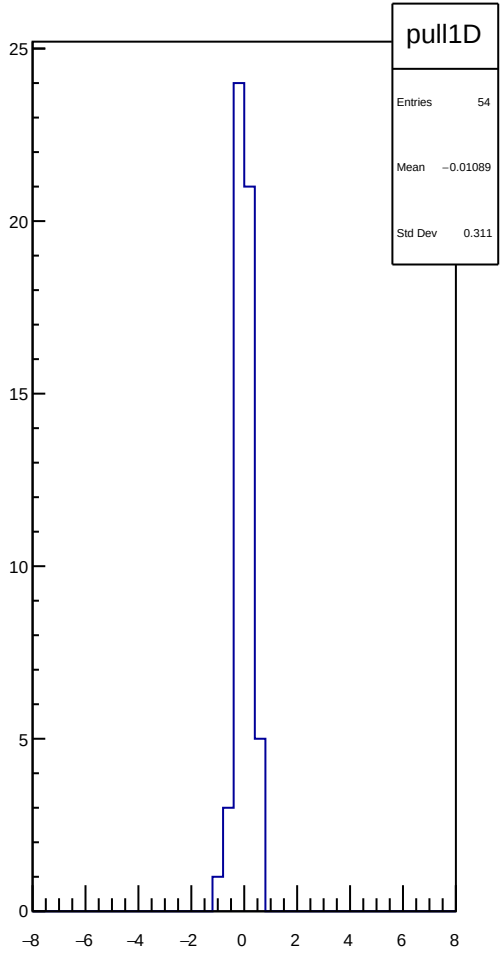

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs run
χ² / ndf 65.15 / 53
p0 2.251 ± 1.895
pull
Entries 54
Mean 56.56
Std Dev 21.55

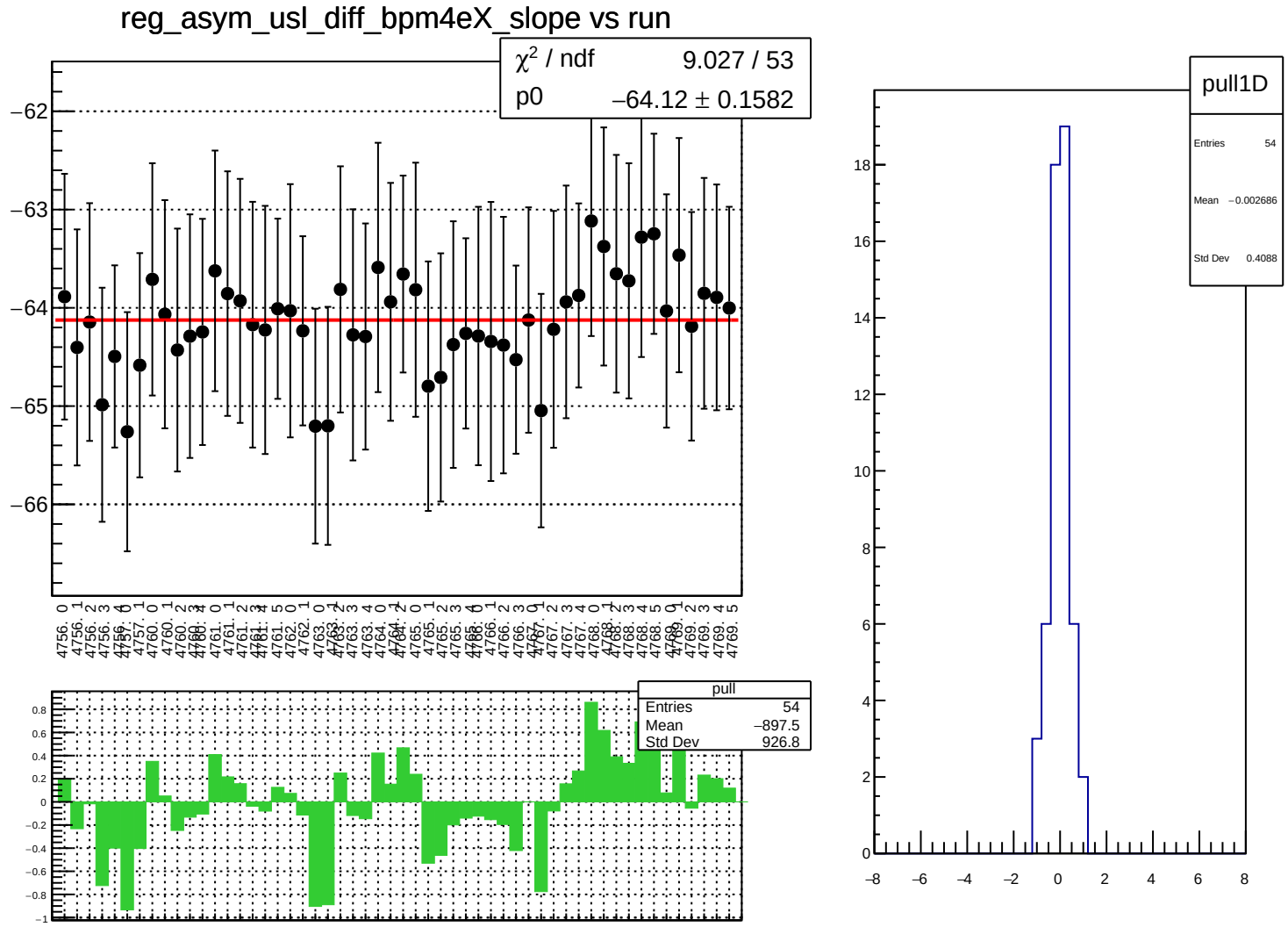

pull1D
Entries 54
Mean 0.01928
Std Dev 1.098

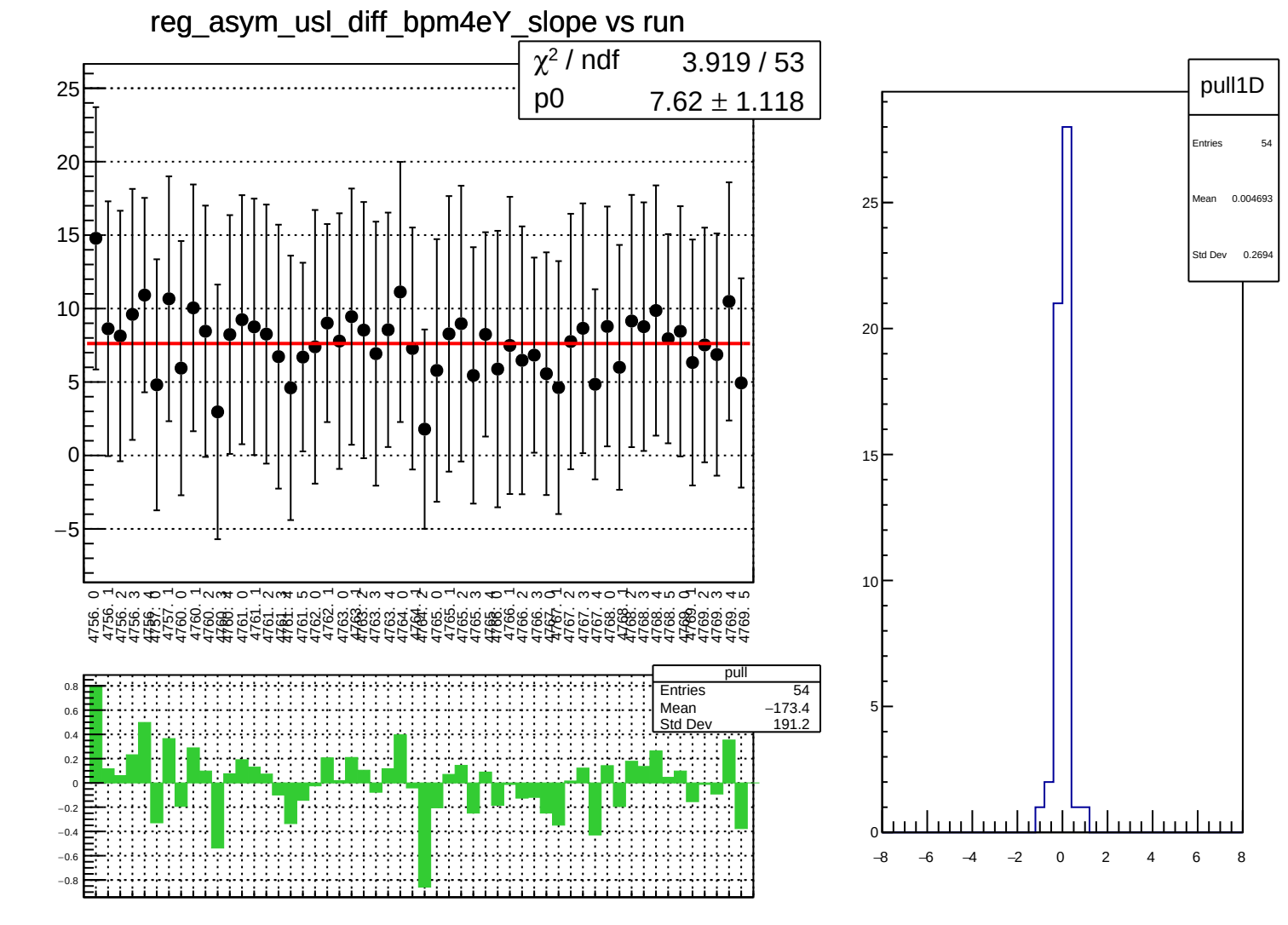

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 20.72 / 53
p0 29.76 ± 0.7793
pull
Entries 54
Mean 263.5
Std Dev 239.6

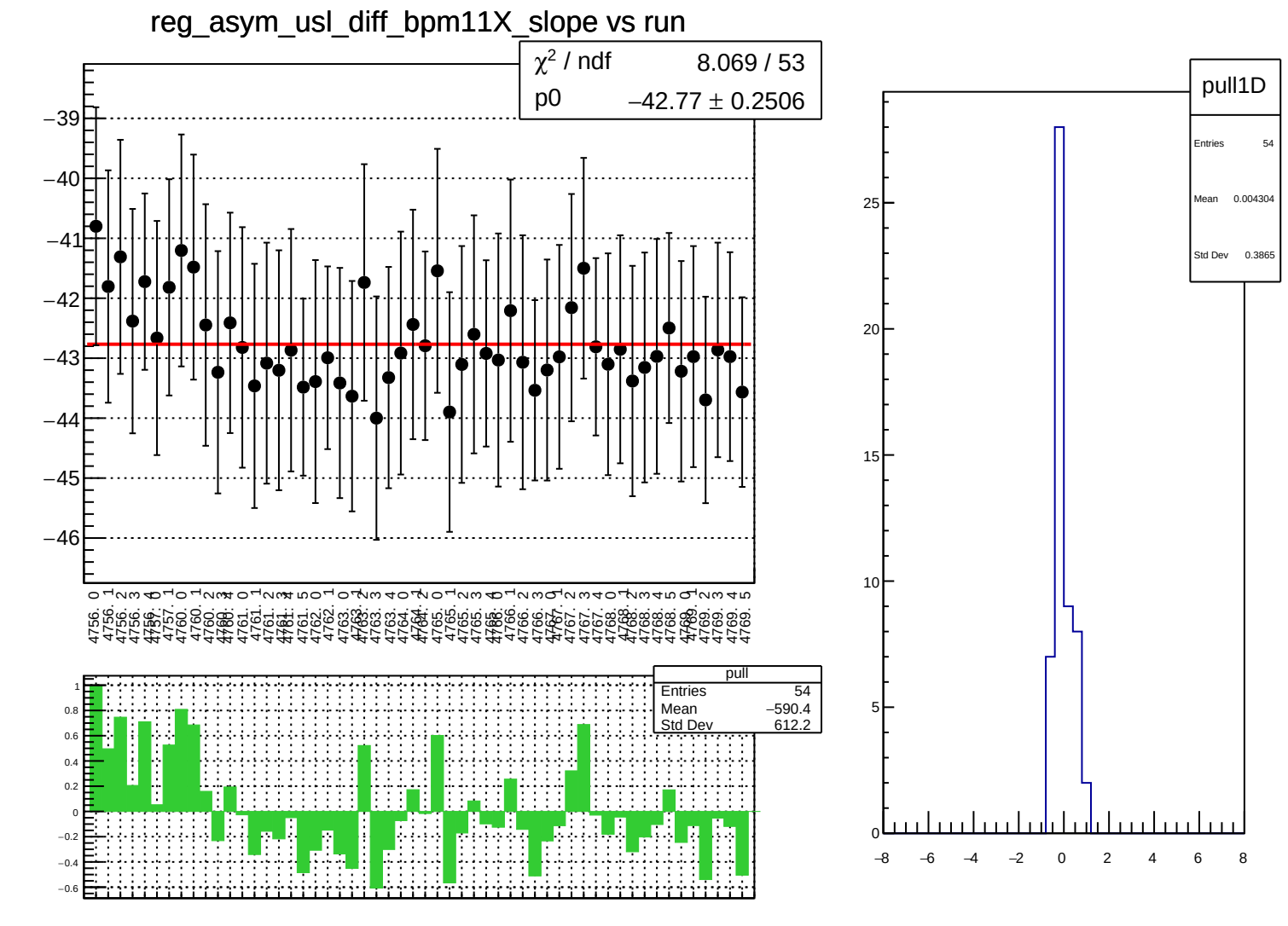

pull1D
Entries 54
Mean −0.013
Std Dev 0.6193

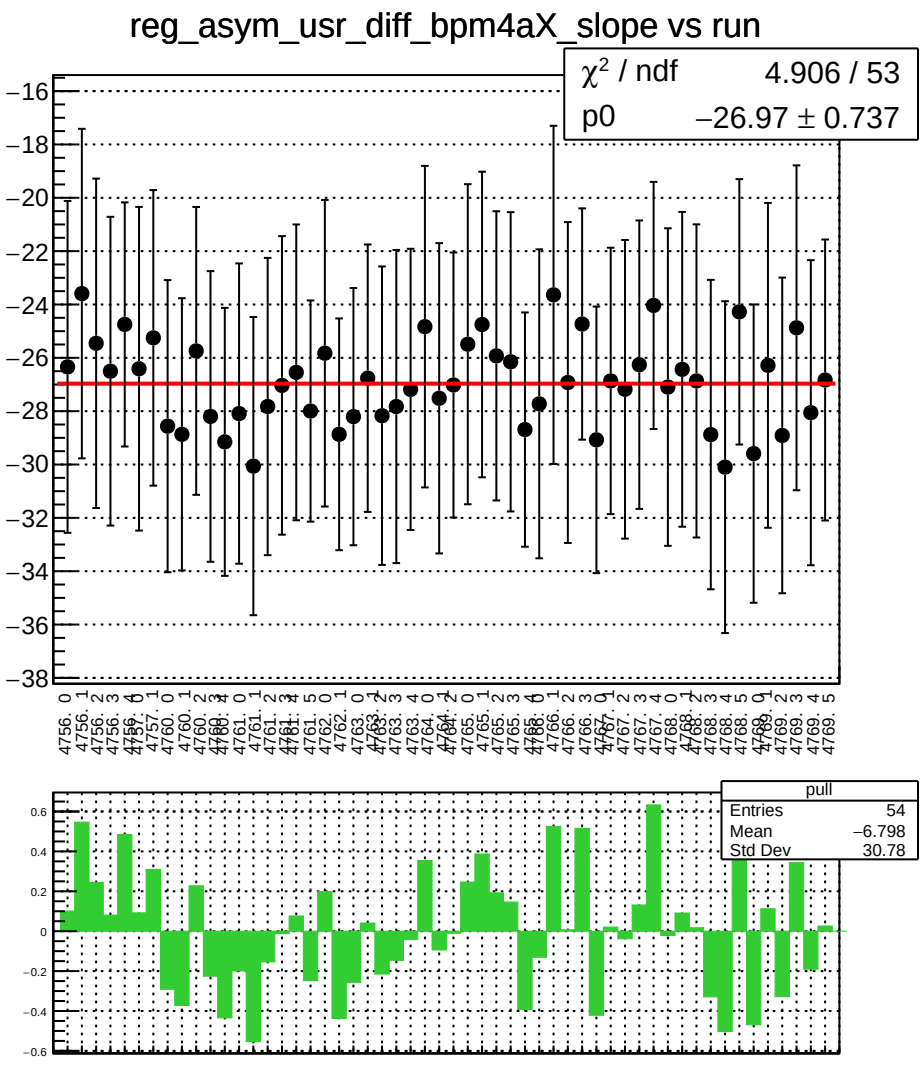

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 5.228 / 53
p0 −7.972 ± 0.9463
pull
Entries 54
Mean −178.8
Std Dev 203.1

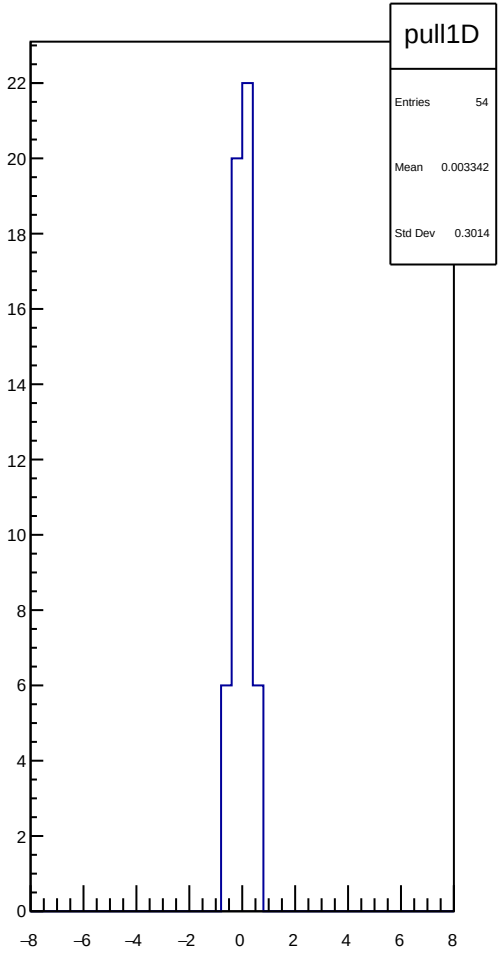

pull1D
Entries 54
Mean −0.01089
Std Dev 0.311

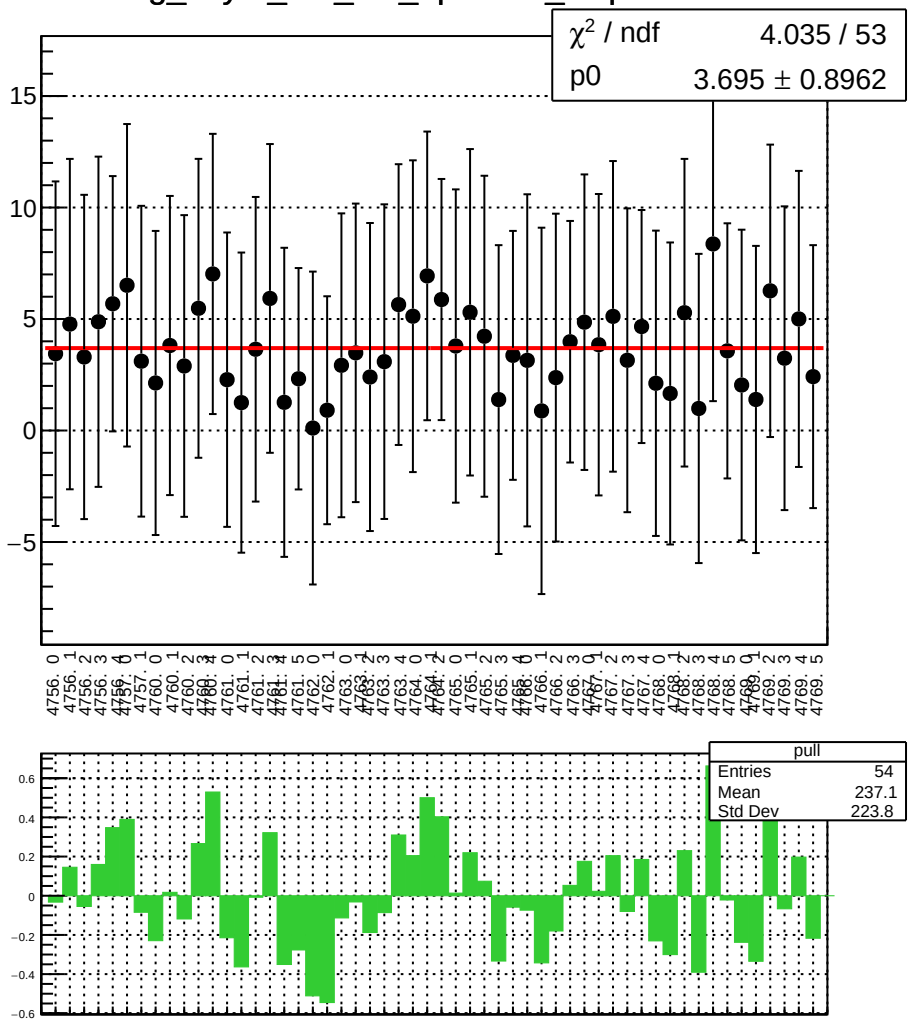

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 9.027 / 53
p0 −64.12 ± 0.1582
pull
Entries 54
Mean −897.5
Std Dev 926.8
pull1D
Entries 54
Mean −0.002686
Std Dev 0.4088

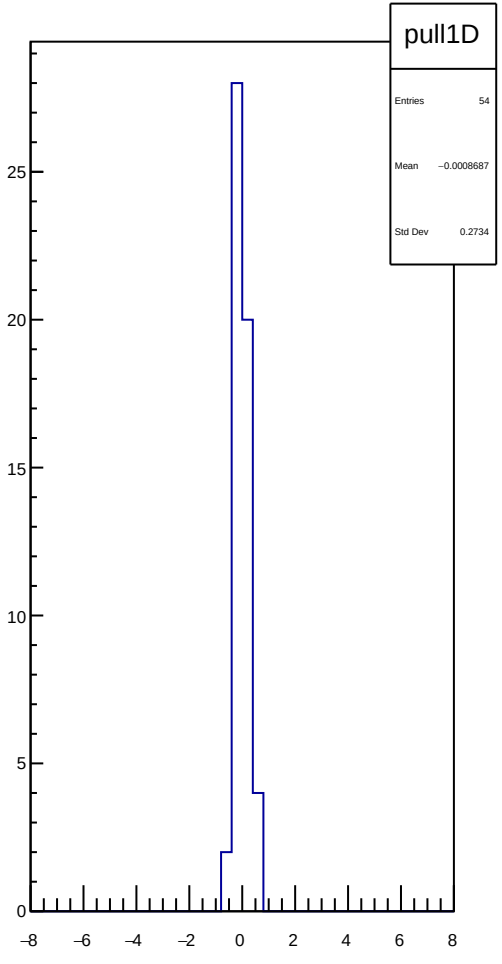

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 3.919 / 53
p0 7.62 ± 1.118
pull
Entries 54
Mean −173.4
Std Dev 191.2
pull1D
Entries 54
Mean 0.004693
Std Dev 0.2694

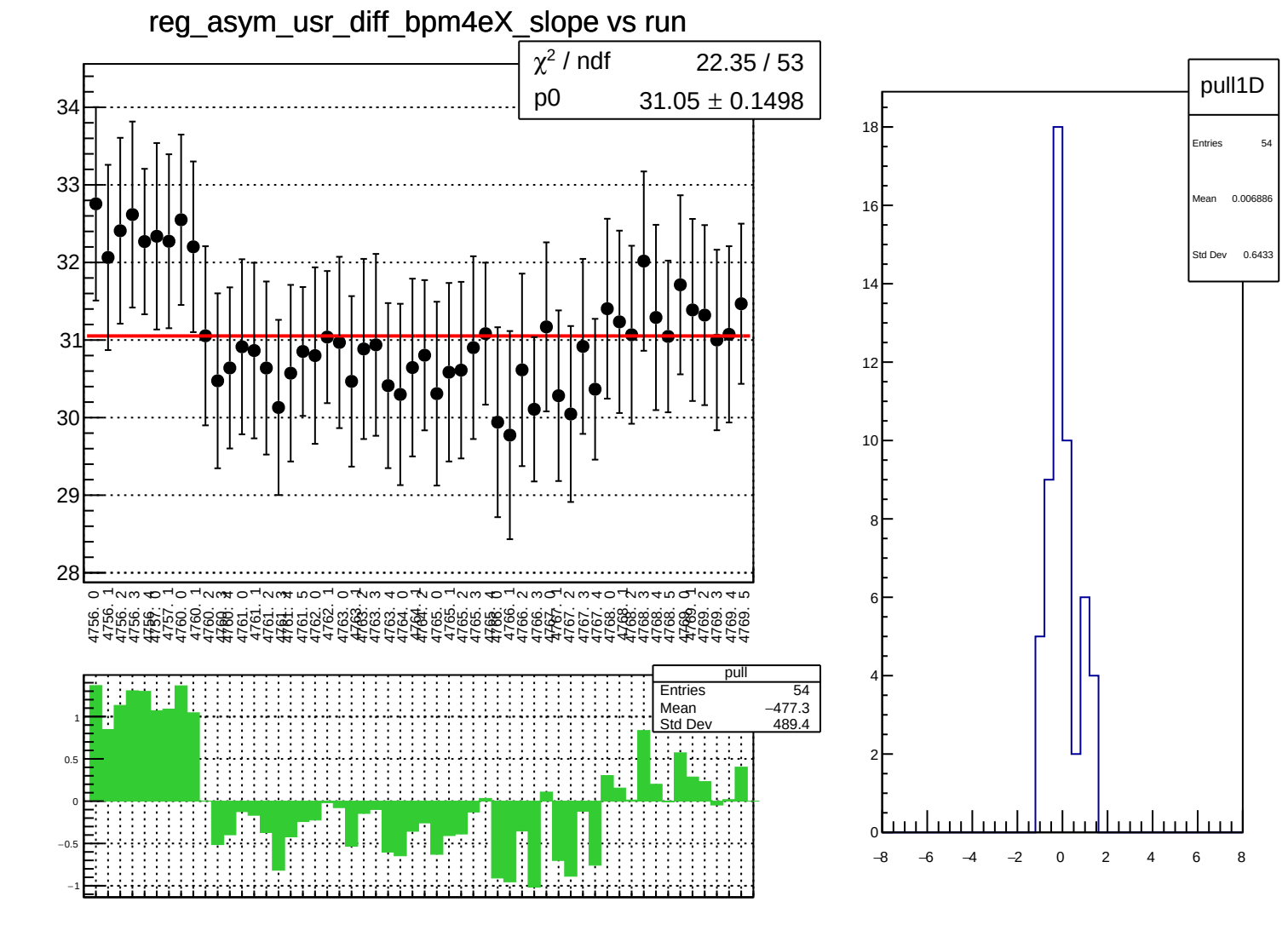

reg_asym_usl_diff_bpm11X_slope vs run
χ² / ndf 8.069 / 53
p0 −42.77 ± 0.2506
pull
Entries 54
Mean −590.4
Std Dev 612.2
pull1D
Entries 54
Mean 0.004304
Std Dev 0.3865

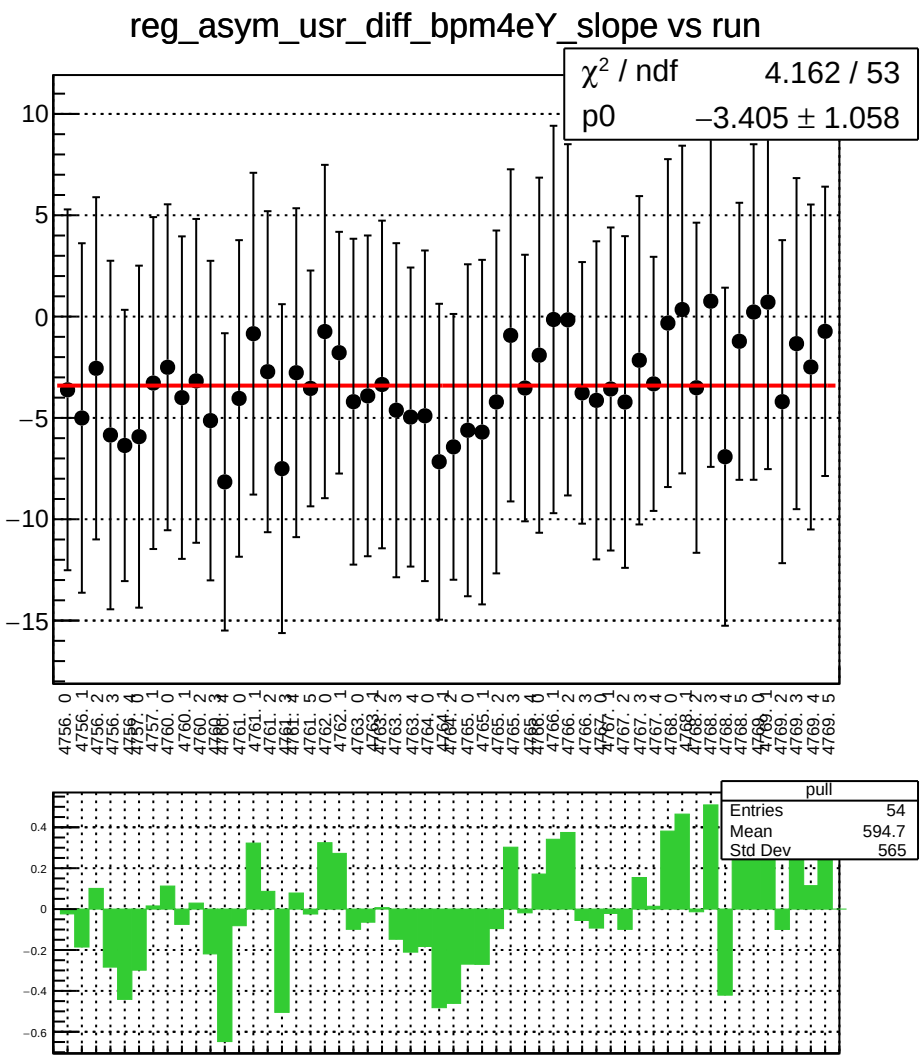

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 4.906 / 53
p0 −26.97 ± 0.737
pull
Entries 54
Mean −6.798
Std Dev 30.78

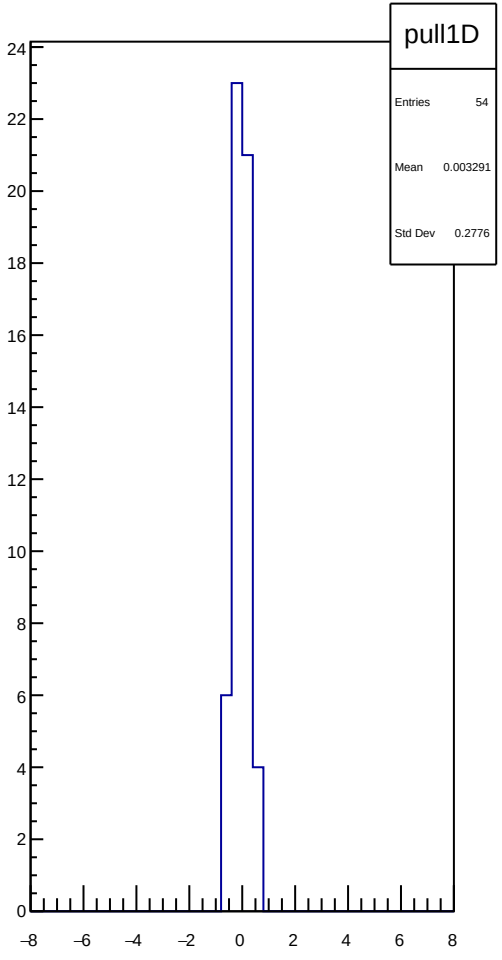

pull1D
Entries 54
Mean 0.003342
Std Dev 0.3014

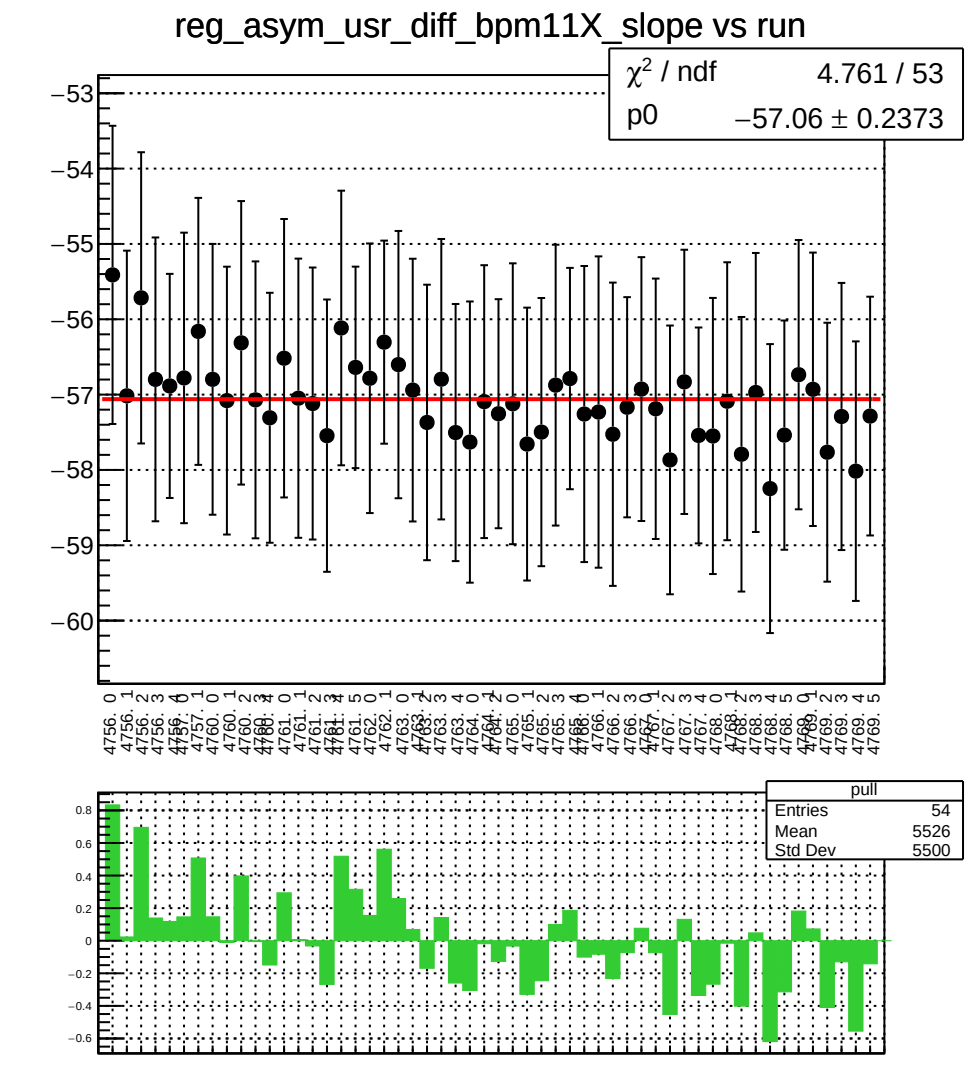

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 4.035 / 53
p0 3.695 ± 0.8962
pull
Entries 54
Mean 237.1
Std Dev 223.8

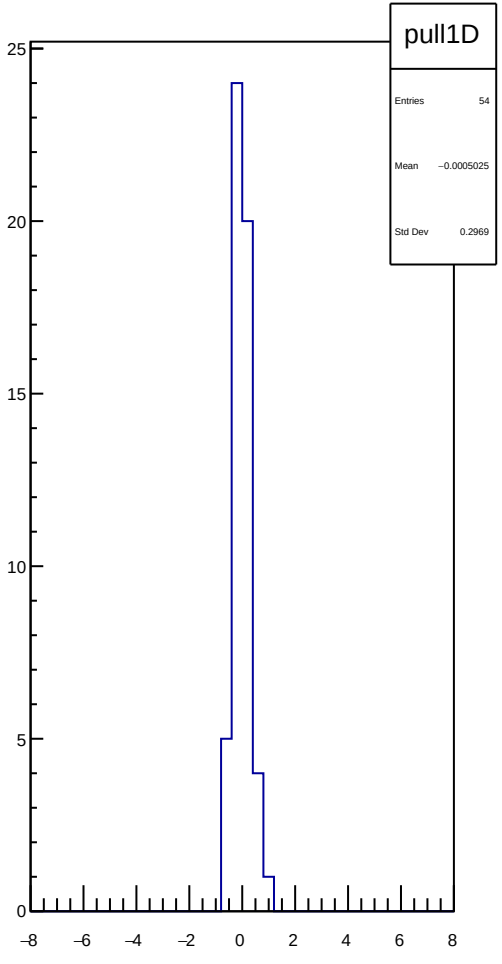

pull1D
Entries 54
Mean −0.0008687
Std Dev 0.2734

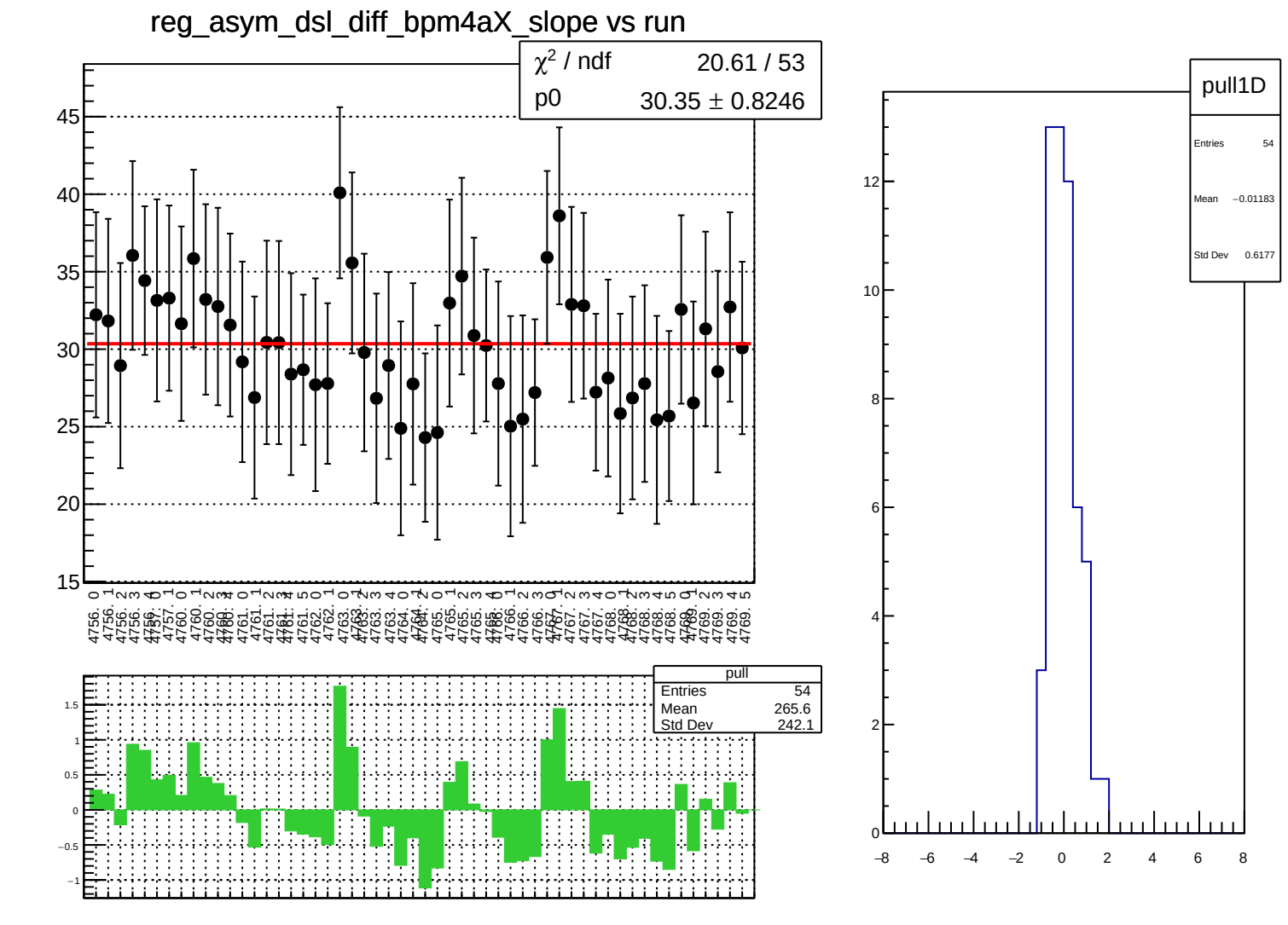

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 22.35 / 53
p0 31.05 ± 0.1498
pull
Entries 54
Mean −477.3
Std Dev 489.4
pull1D
Entries 54
Mean 0.006886
Std Dev 0.6433

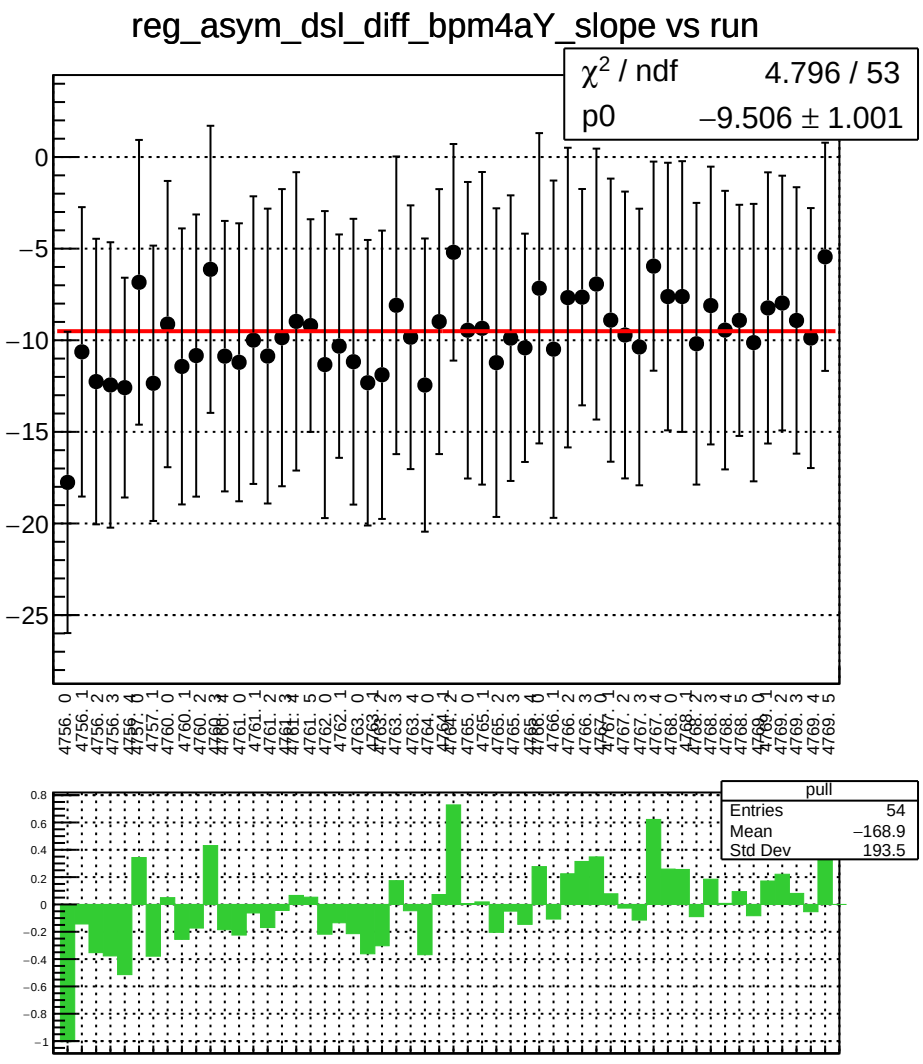

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 4.162 / 53
p0 −3.405 ± 1.058
pull
Entries 54
Mean 594.7
Std Dev 565

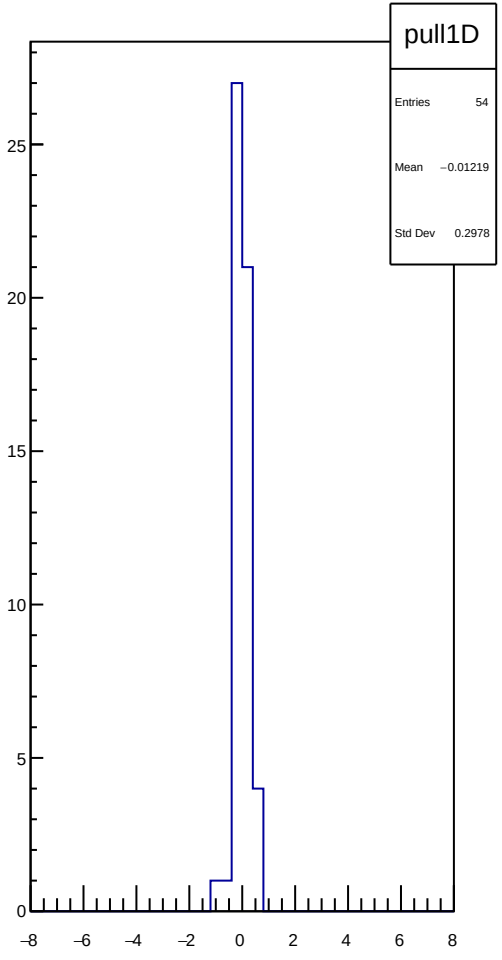

pull1D
Entries 54
Mean 0.003291
Std Dev 0.2776

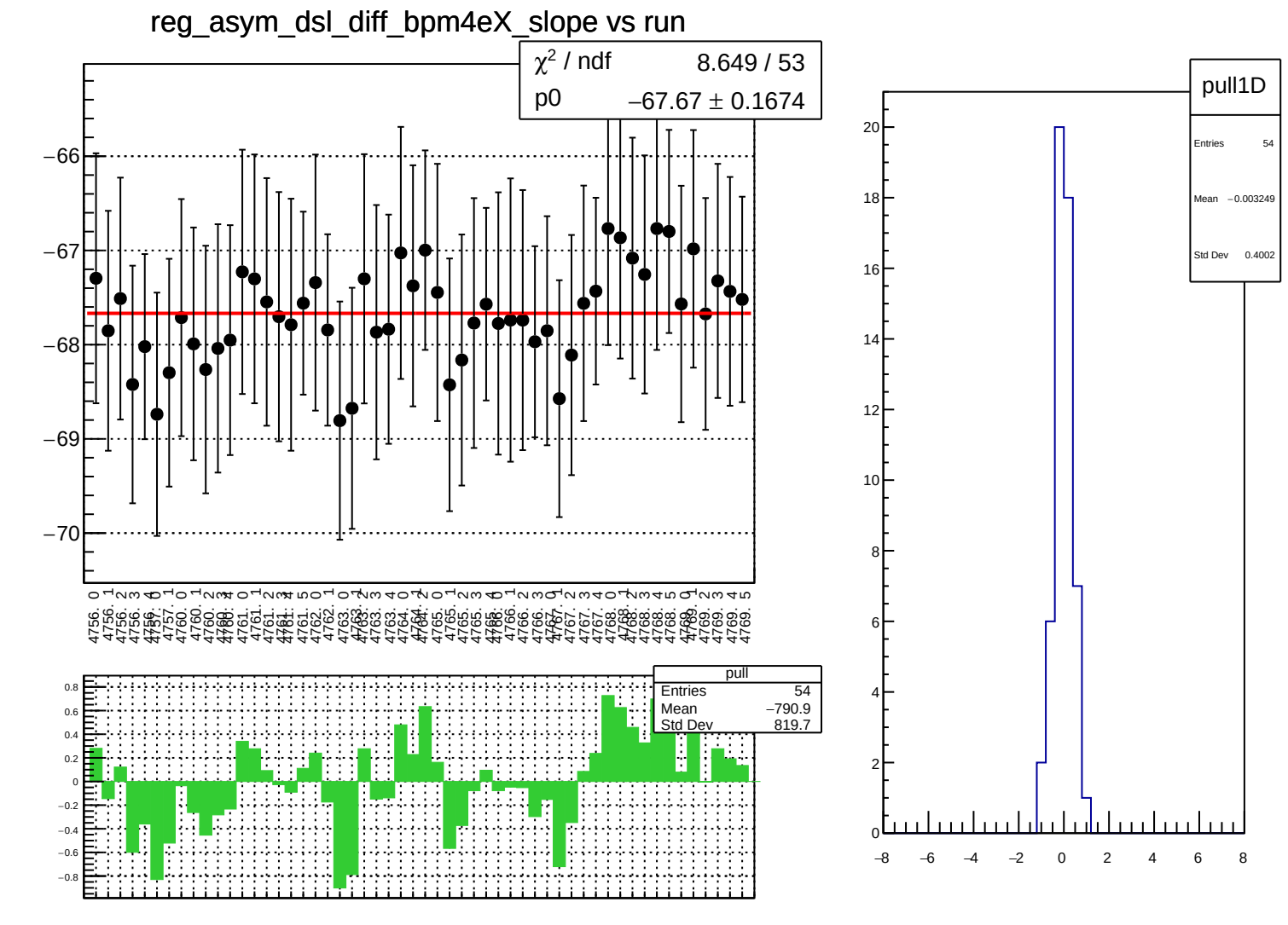

reg_asym_usr_diff_bpm11X_slope vs run
χ² / ndf 4.761 / 53
p0 −57.06 ± 0.2373
pull
Entries 54
Mean 5526
Std Dev 5500

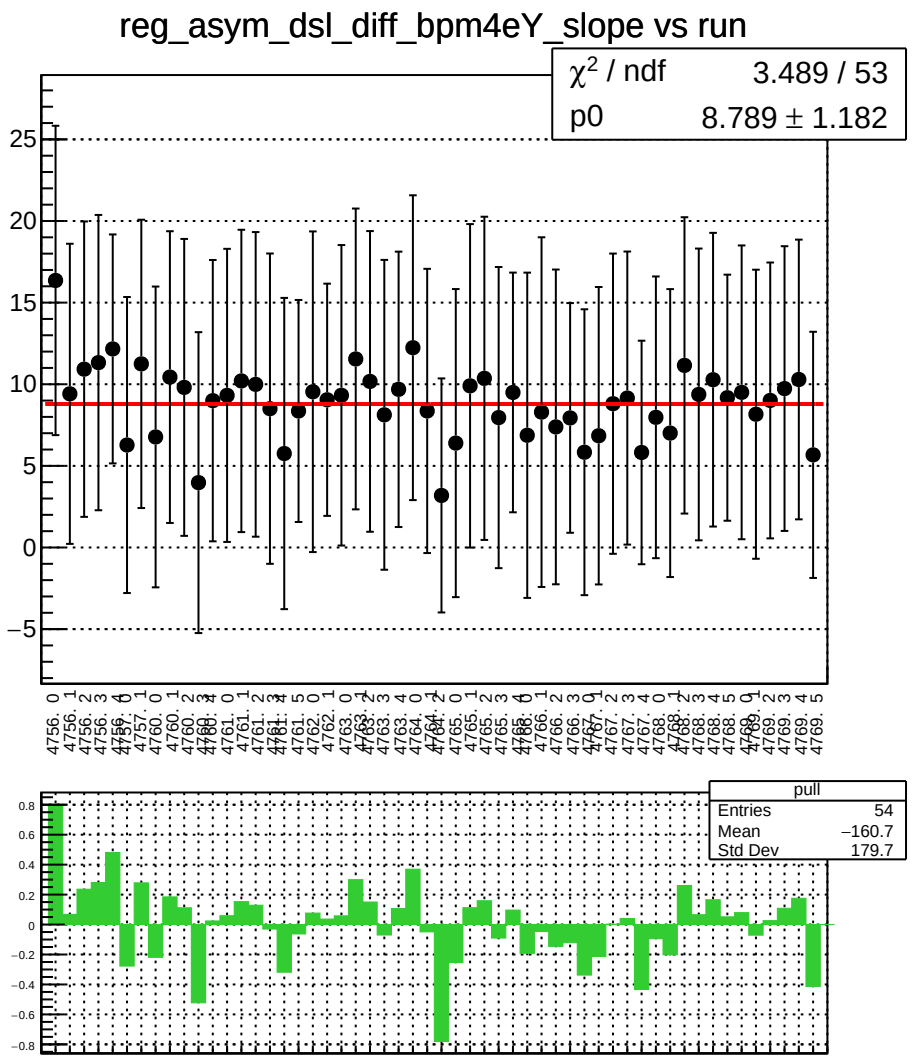

pull1D
Entries 54
Mean −0.0005025
Std Dev 0.2969

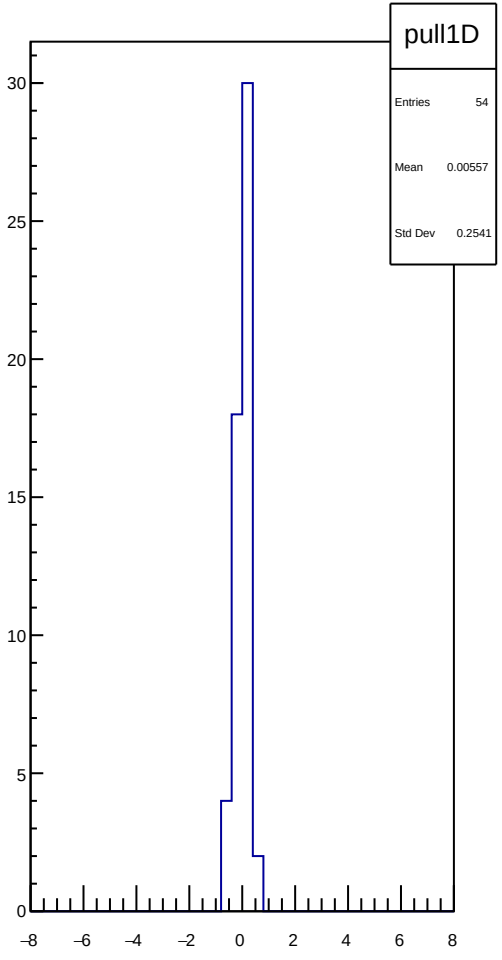

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 20.61 / 53
p0 30.35 ± 0.8246
pull
Entries 54
Mean 265.6
Std Dev 242.1
pull1D
Entries 54
Mean −0.01183
Std Dev 0.6177

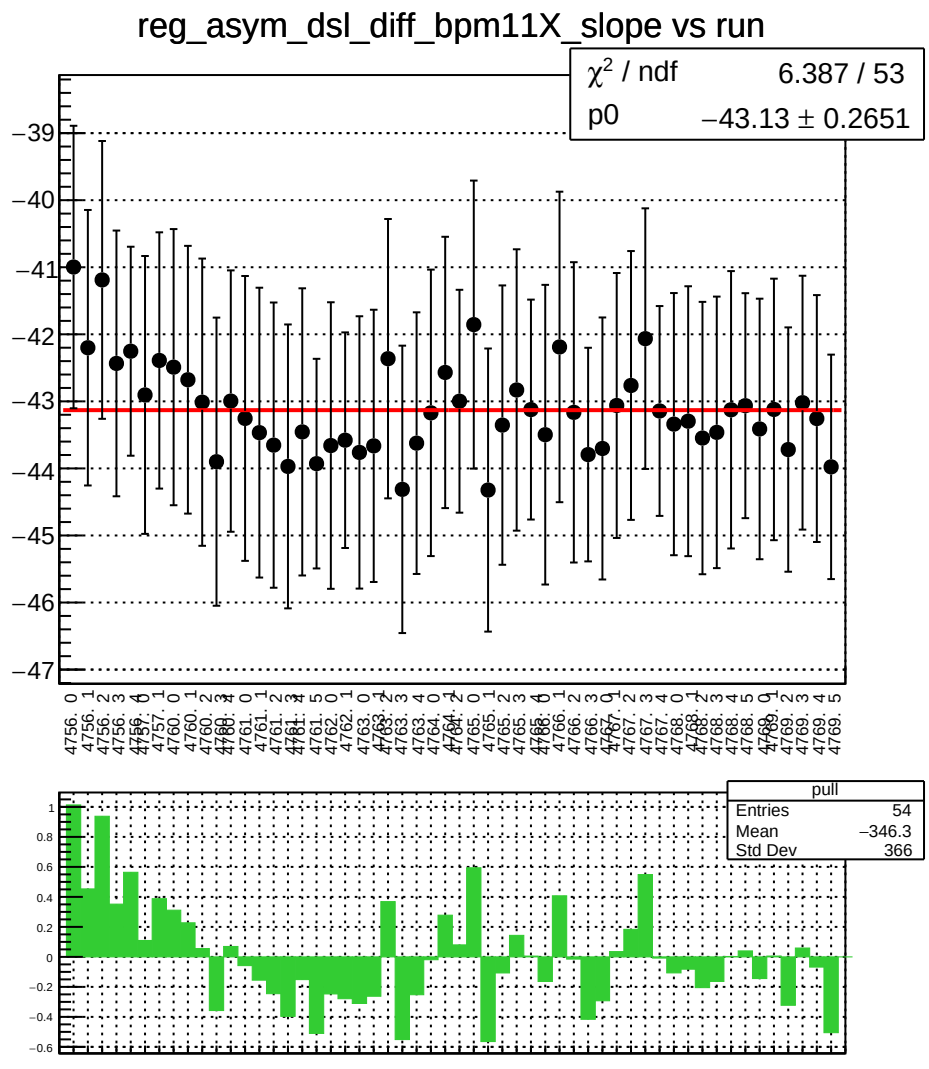

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 4.796 / 53
p0 −9.506 ± 1.001
pull
Entries 54
Mean −168.9
Std Dev 193.5

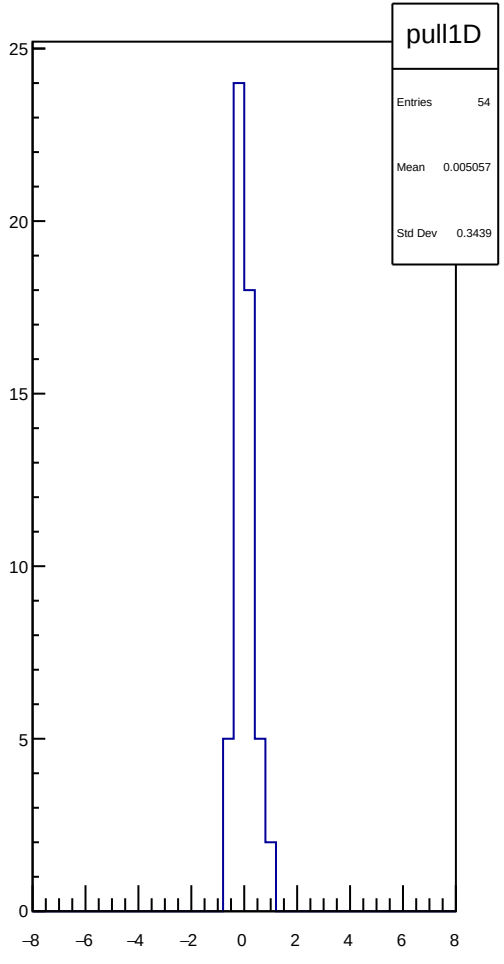

pull1D
Entries 54
Mean −0.01219
Std Dev 0.2978

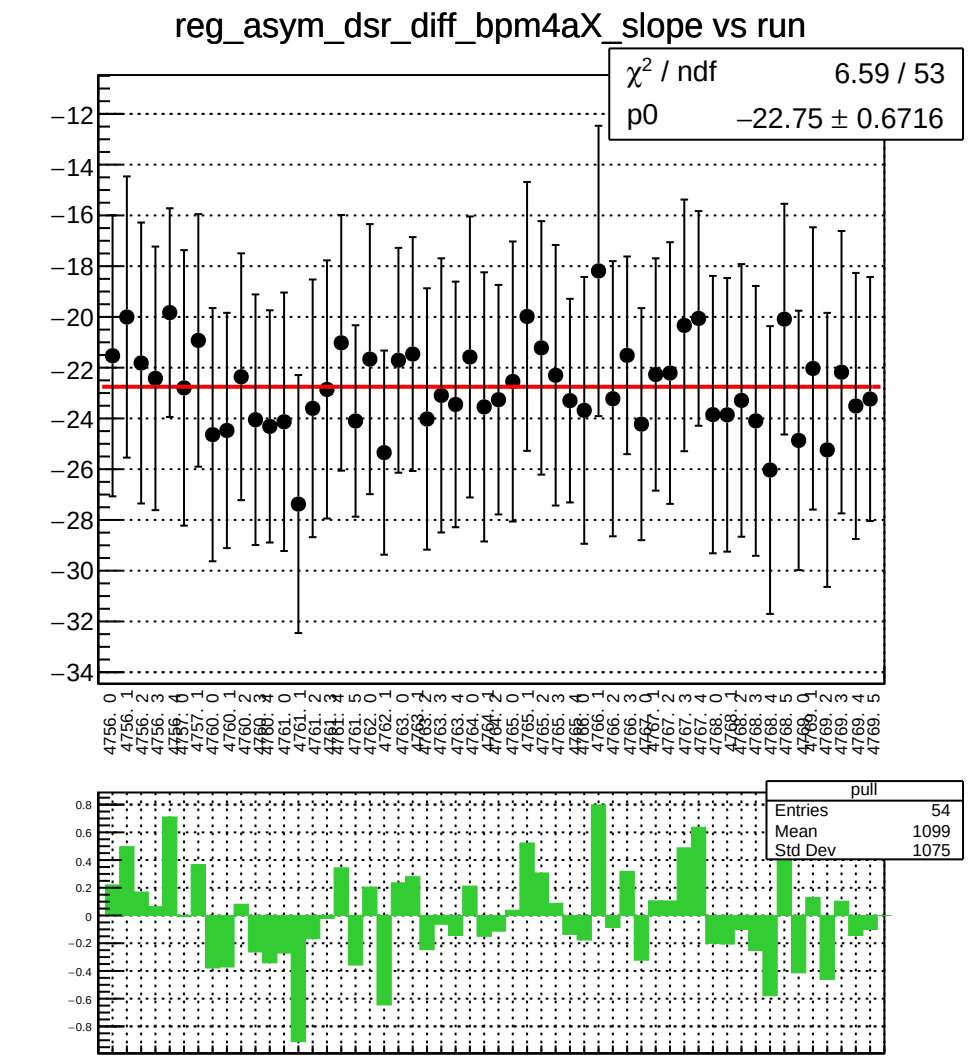

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 8.649 / 53
p0 −67.67 ± 0.1674
pull
Entries 54
Mean −790.9
Std Dev 819.7
pull1D
Entries 54
Mean −0.003249
Std Dev 0.4002

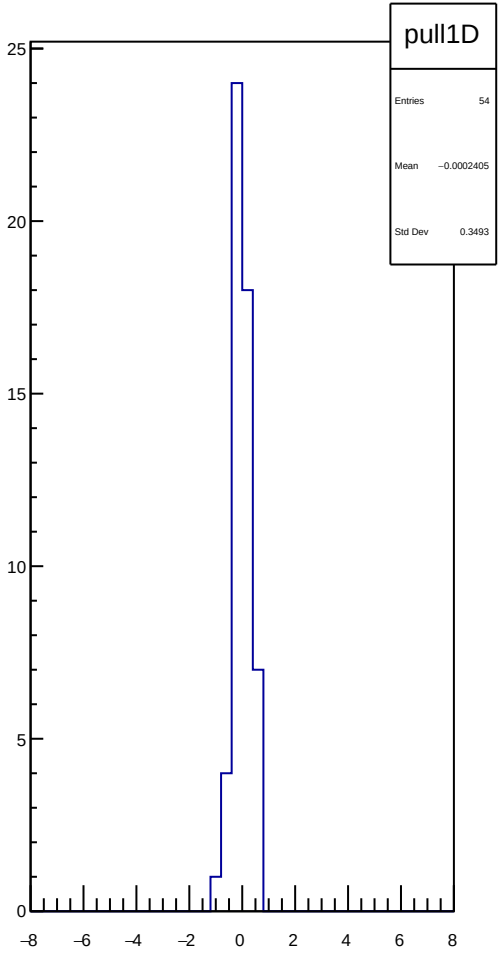

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 3.489 / 53
p0 8.789 ± 1.182
pull
Entries 54
Mean −160.7
Std Dev 179.7

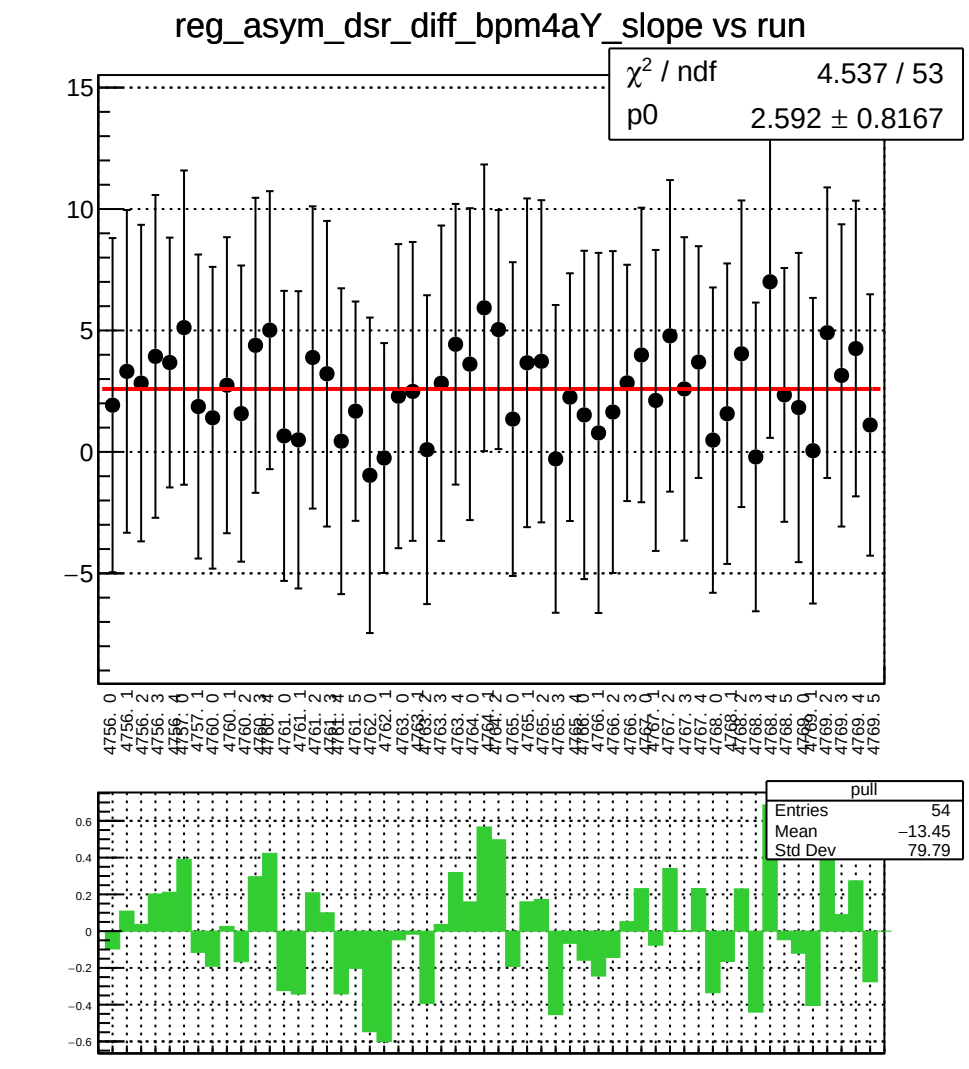

pull1D
Entries 54
Mean 0.00557
Std Dev 0.2541

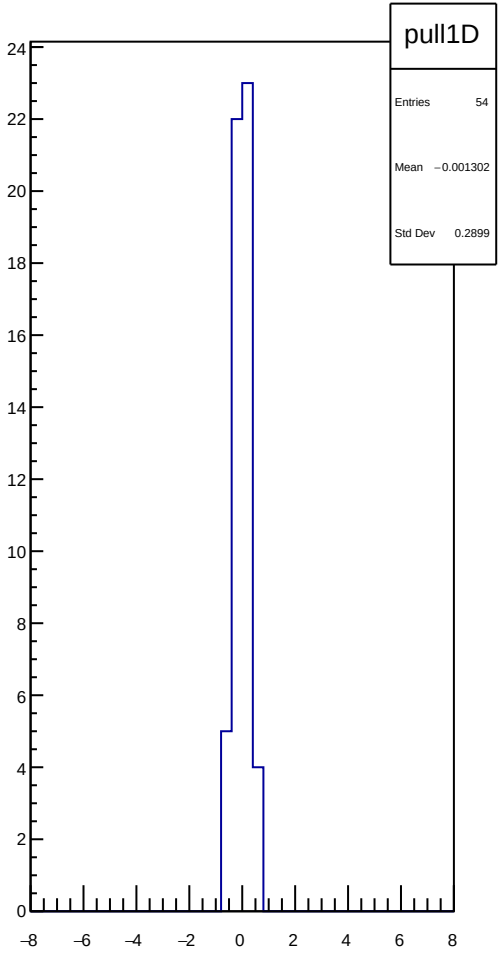

reg_asym_dsl_diff_bpm11X_slope vs run
χ² / ndf 6.387 / 53
p0 −43.13 ± 0.2651
pull
Entries 54
Mean −346.3
Std Dev 366

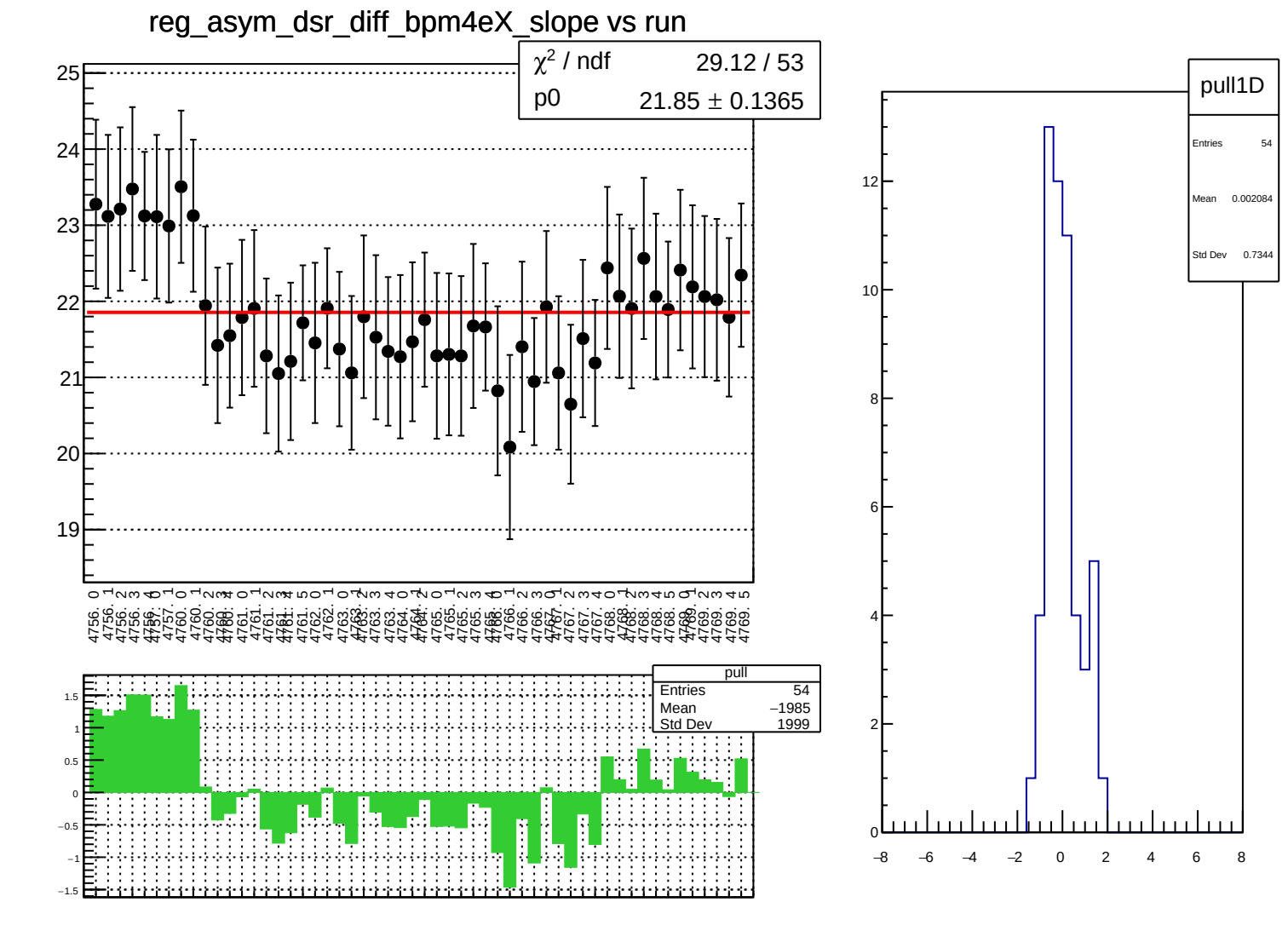

pull1D
Entries 54
Mean 0.005057
Std Dev 0.3439

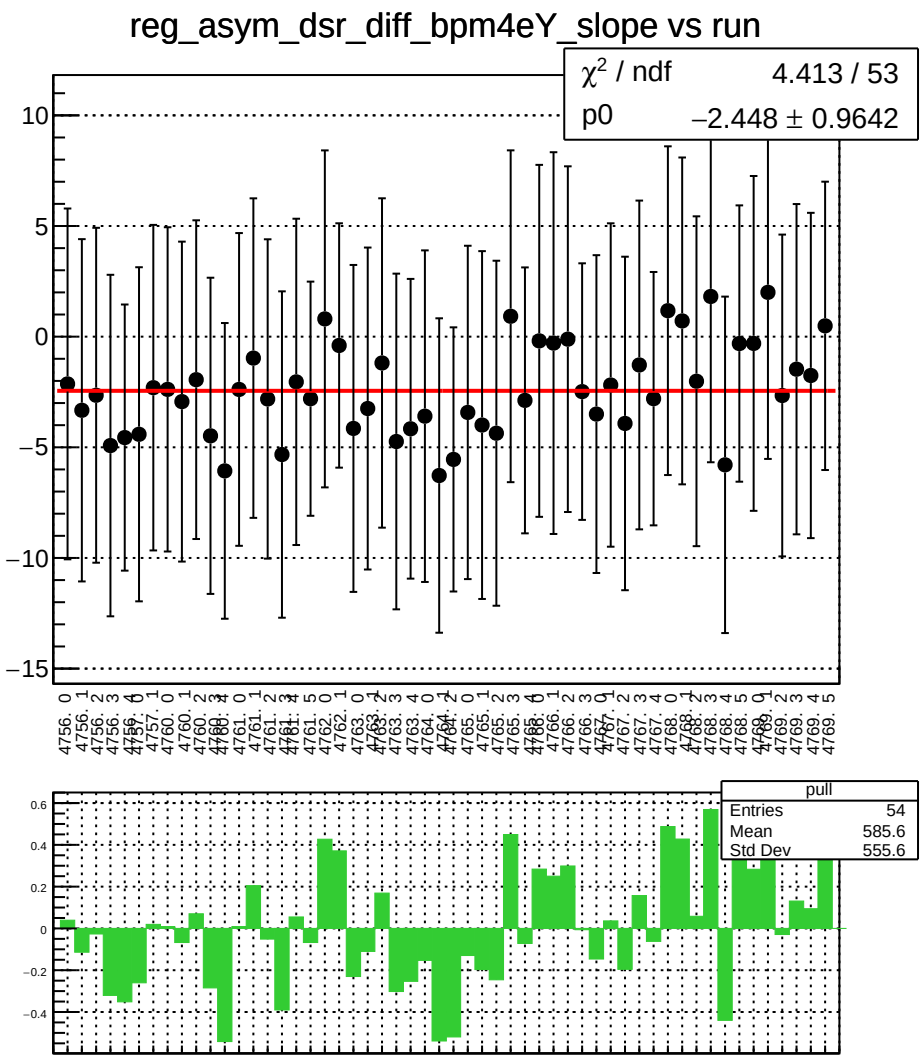

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 6.59 / 53
p0 −22.75 ± 0.6716
pull
Entries 54
Mean 1099
Std Dev 1075

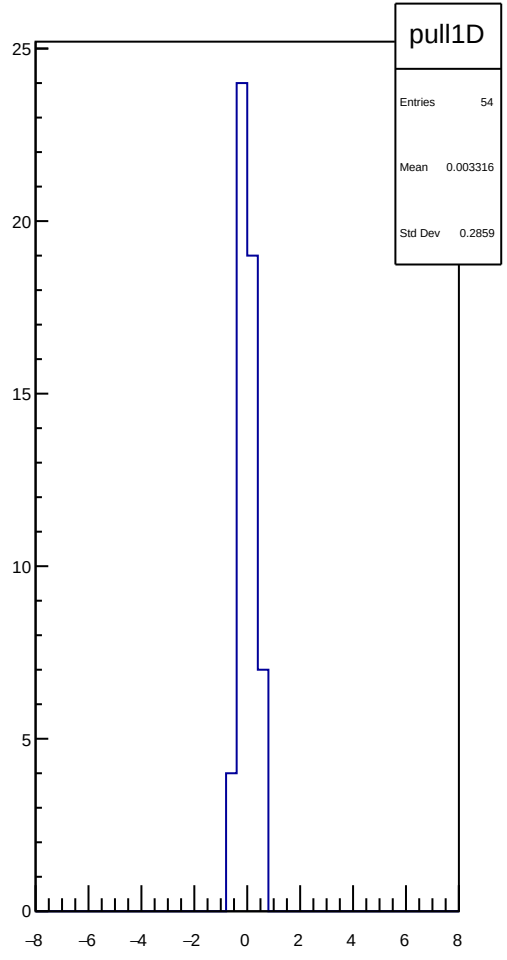

pull1D
Entries 54
Mean −0.0002405
Std Dev 0.3493

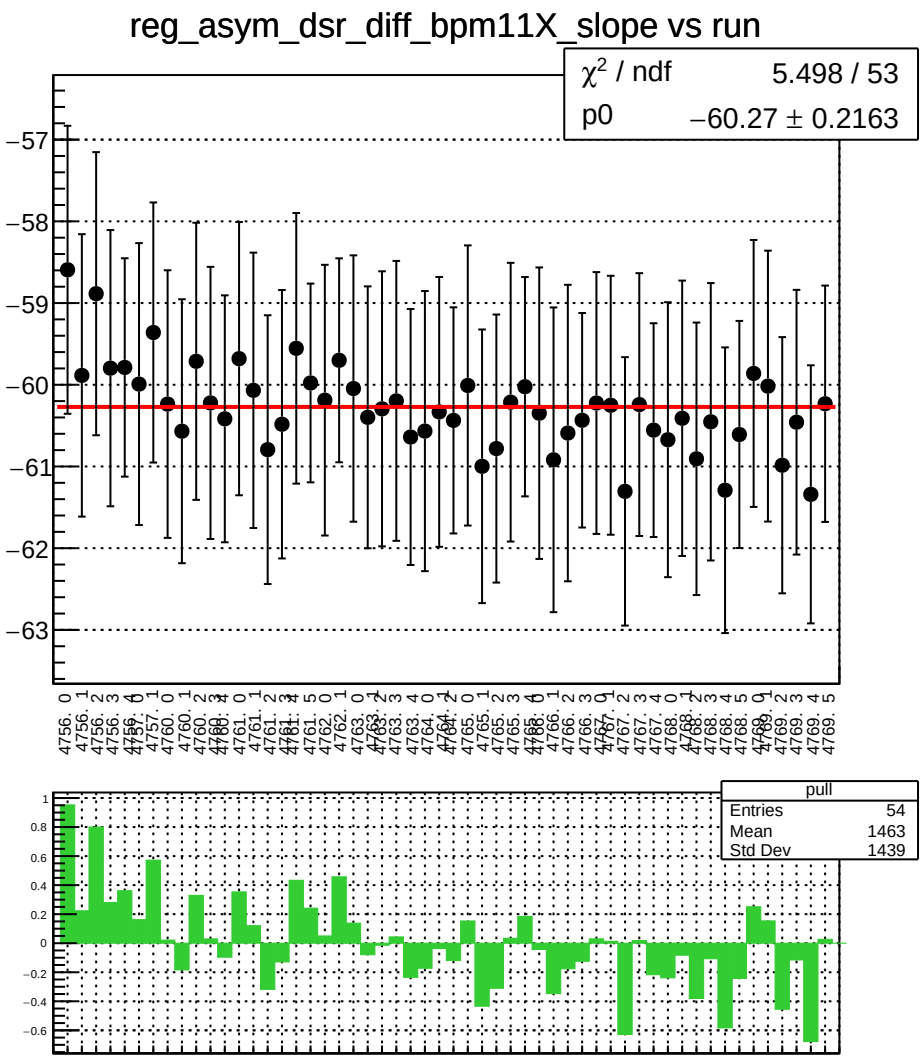

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 4.537 / 53
p0 2.592 ± 0.8167
pull
Entries 54
Mean −13.45
Std Dev 79.79

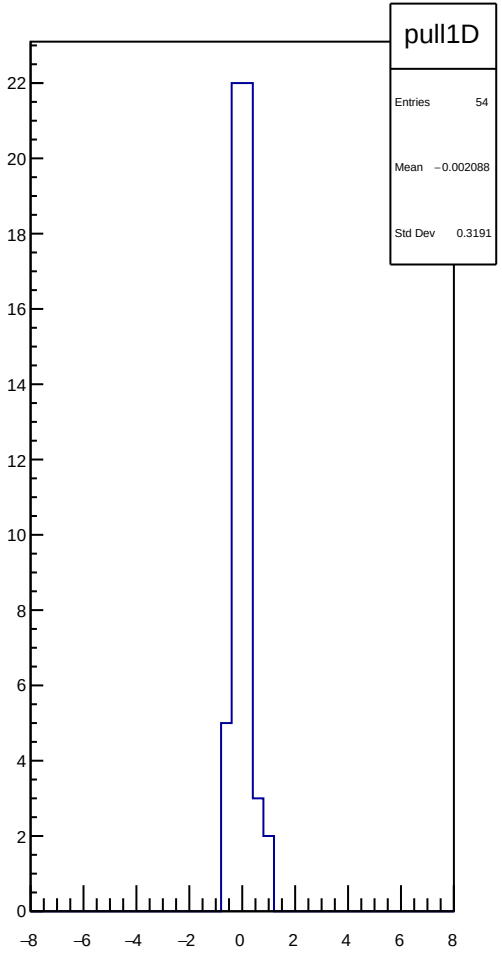

pull1D
Entries 54
Mean −0.001302
Std Dev 0.2899

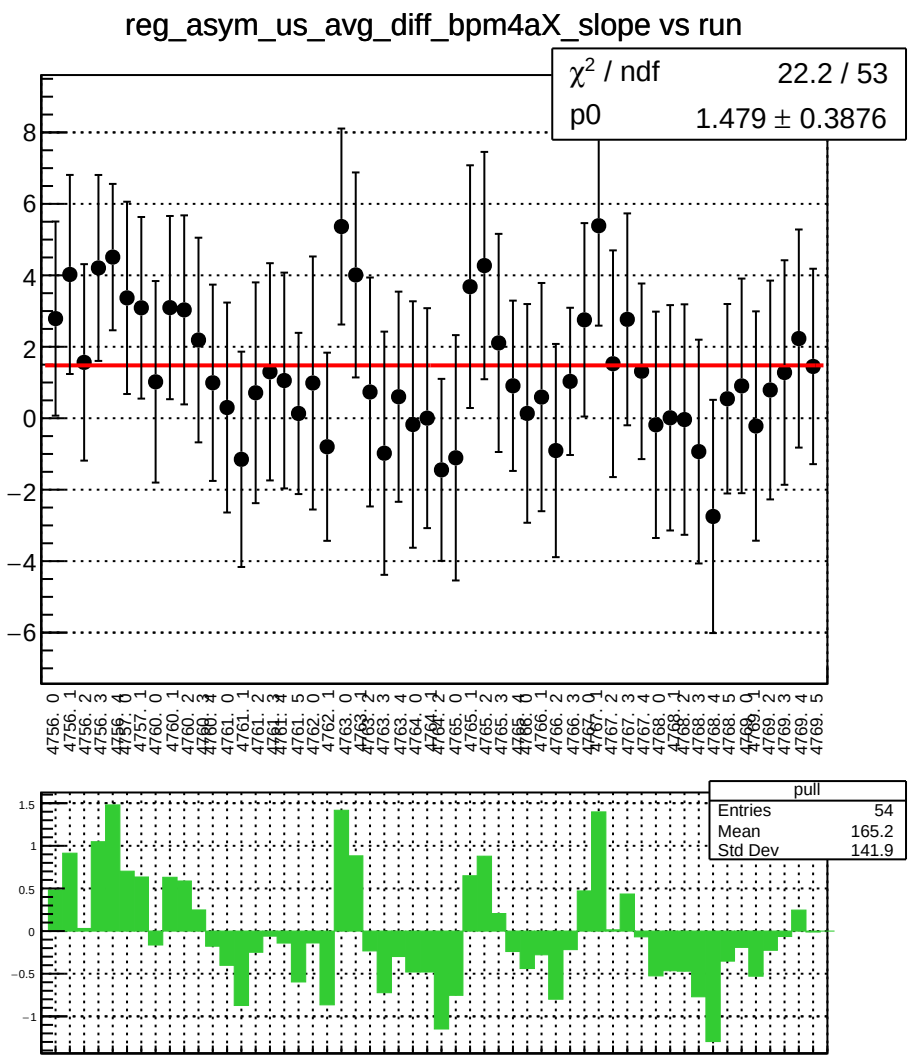

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 29.12 / 53
p0 21.85 ± 0.1365
pull
Entries 54
Mean −1985
Std Dev 1999
pull1D
Entries 54
Mean 0.002084
Std Dev 0.7344

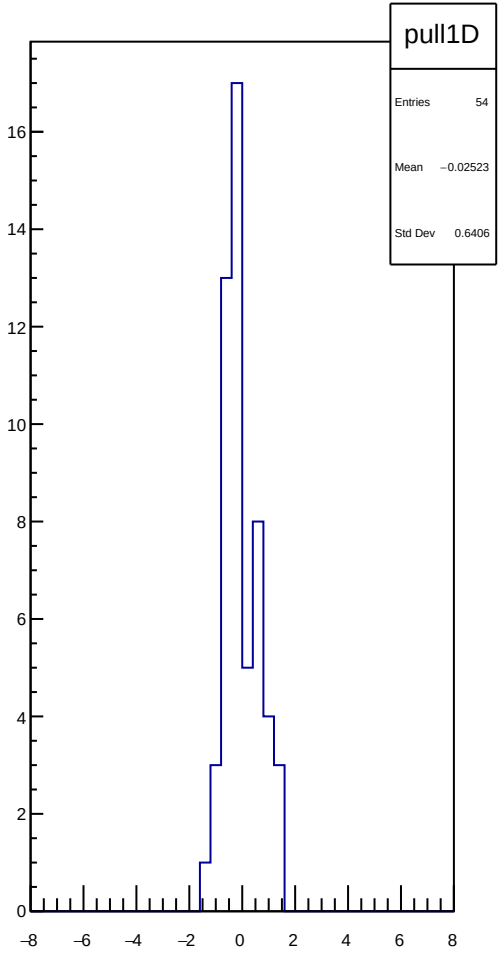

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 4.413 / 53
p0 −2.448 ± 0.9642
pull
Entries 54
Mean 585.6
Std Dev 555.6

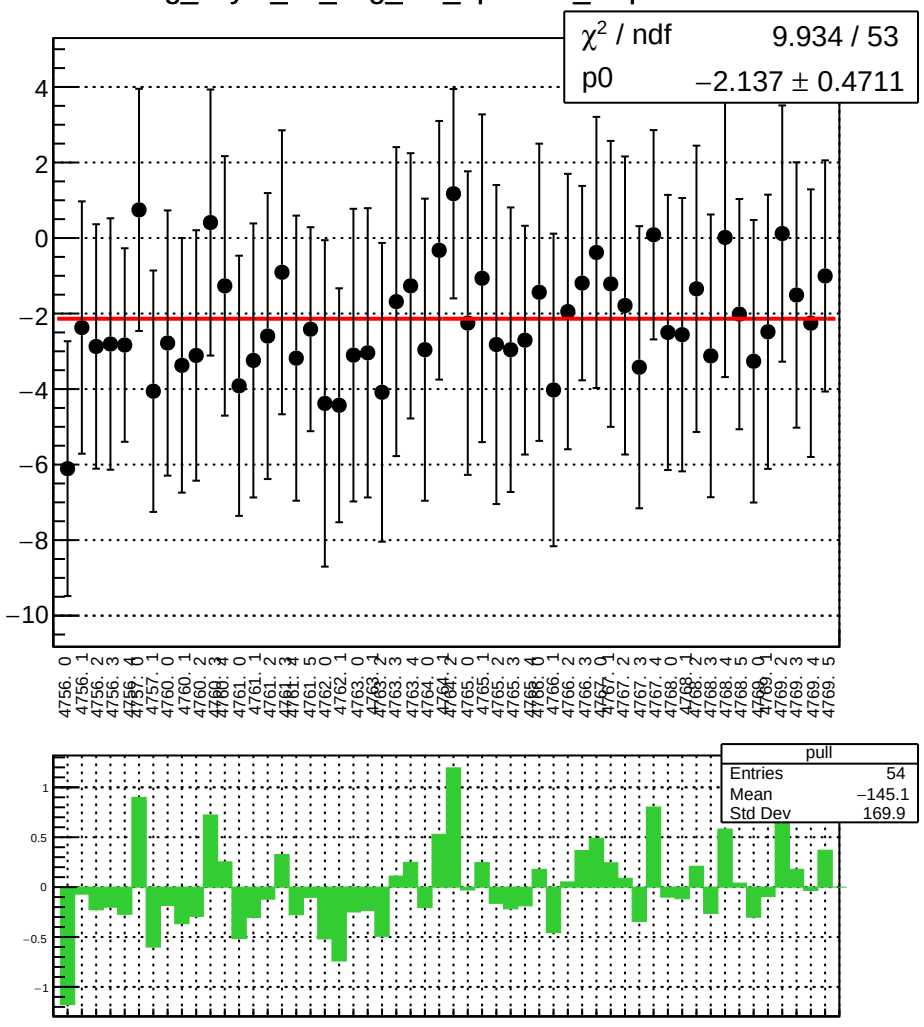

pull1D
Entries 54
Mean 0.003316
Std Dev 0.2859

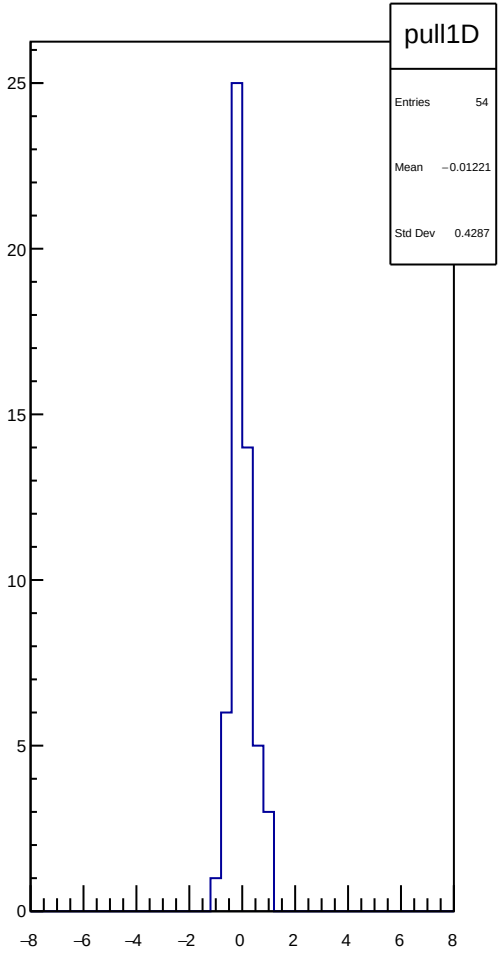

reg_asym_dsr_diff_bpm11X_slope vs run
χ² / ndf 5.498 / 53
p0 −60.27 ± 0.2163
pull
Entries 54
Mean 1463
Std Dev 1439

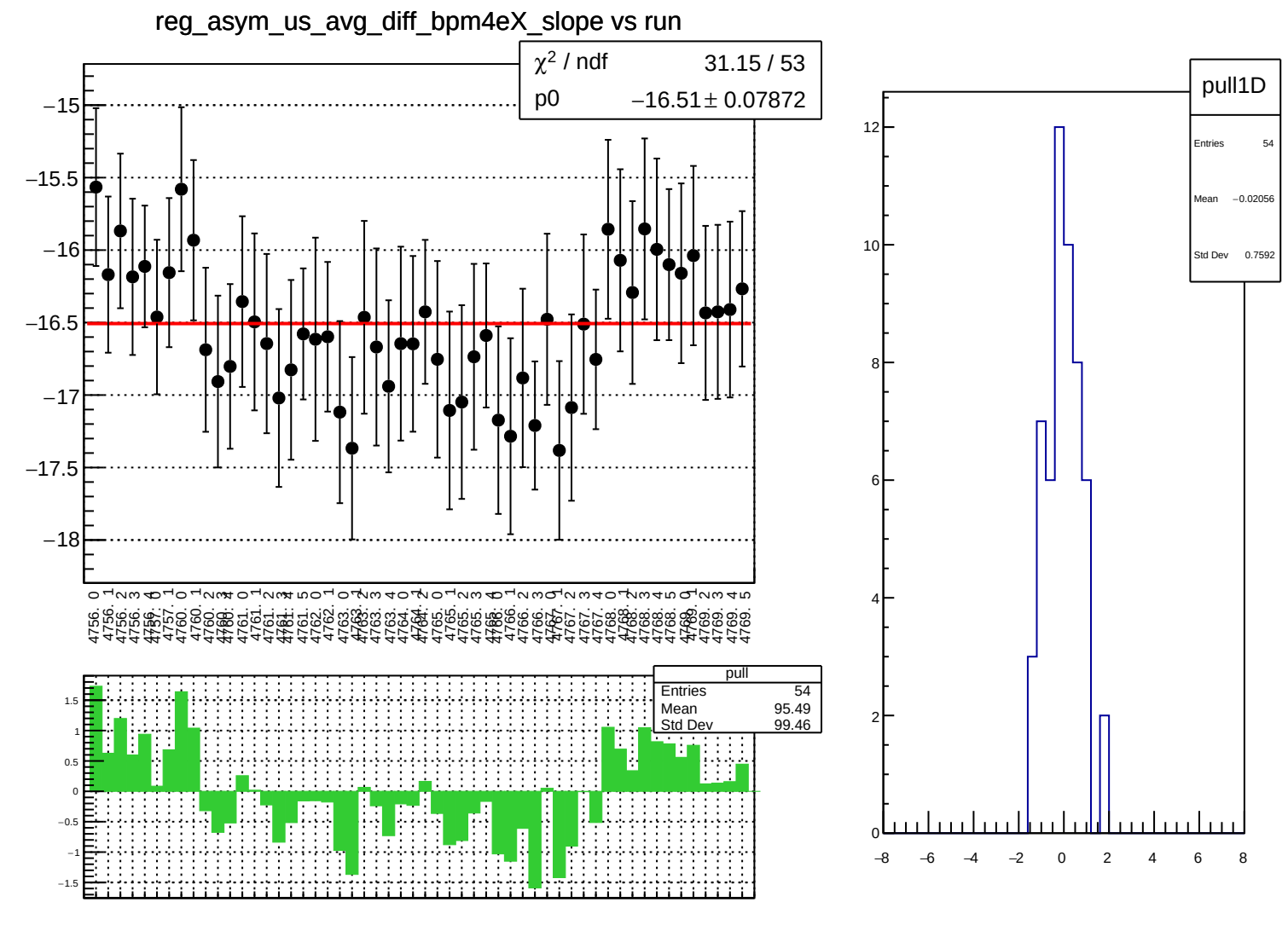

pull1D
Entries 54
Mean −0.002088
Std Dev 0.3191

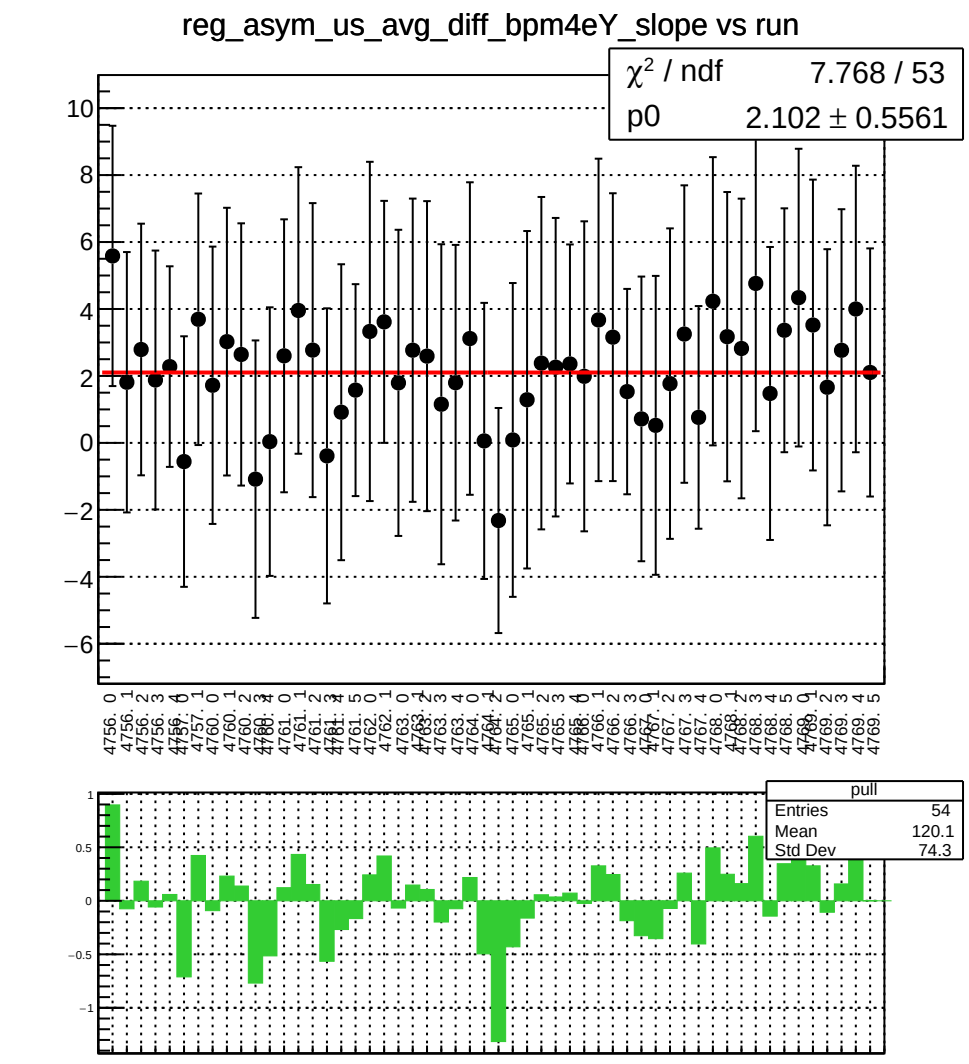

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 22.2 / 53
p0 1.479 ± 0.3876
pull
Entries 54
Mean 165.2
Std Dev 141.9

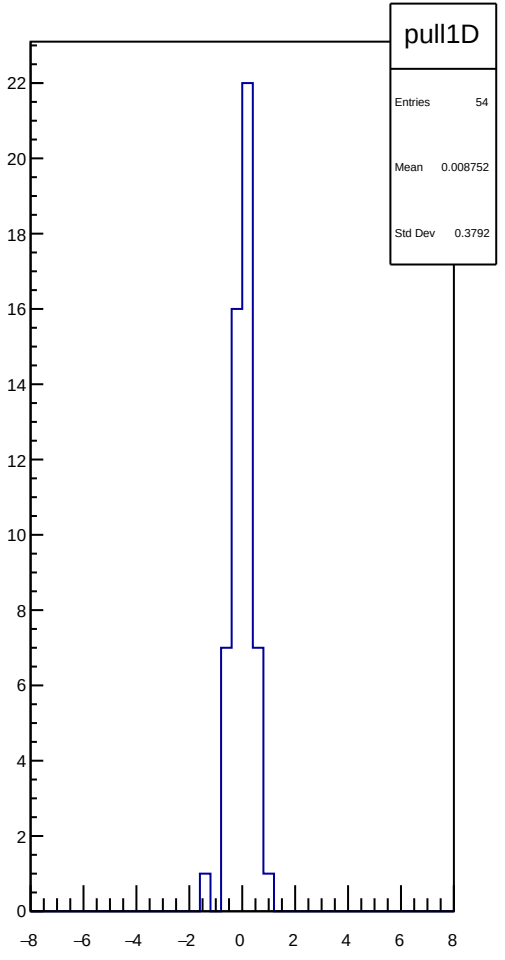

pull1D
Entries 54
Mean −0.02523
Std Dev 0.6406

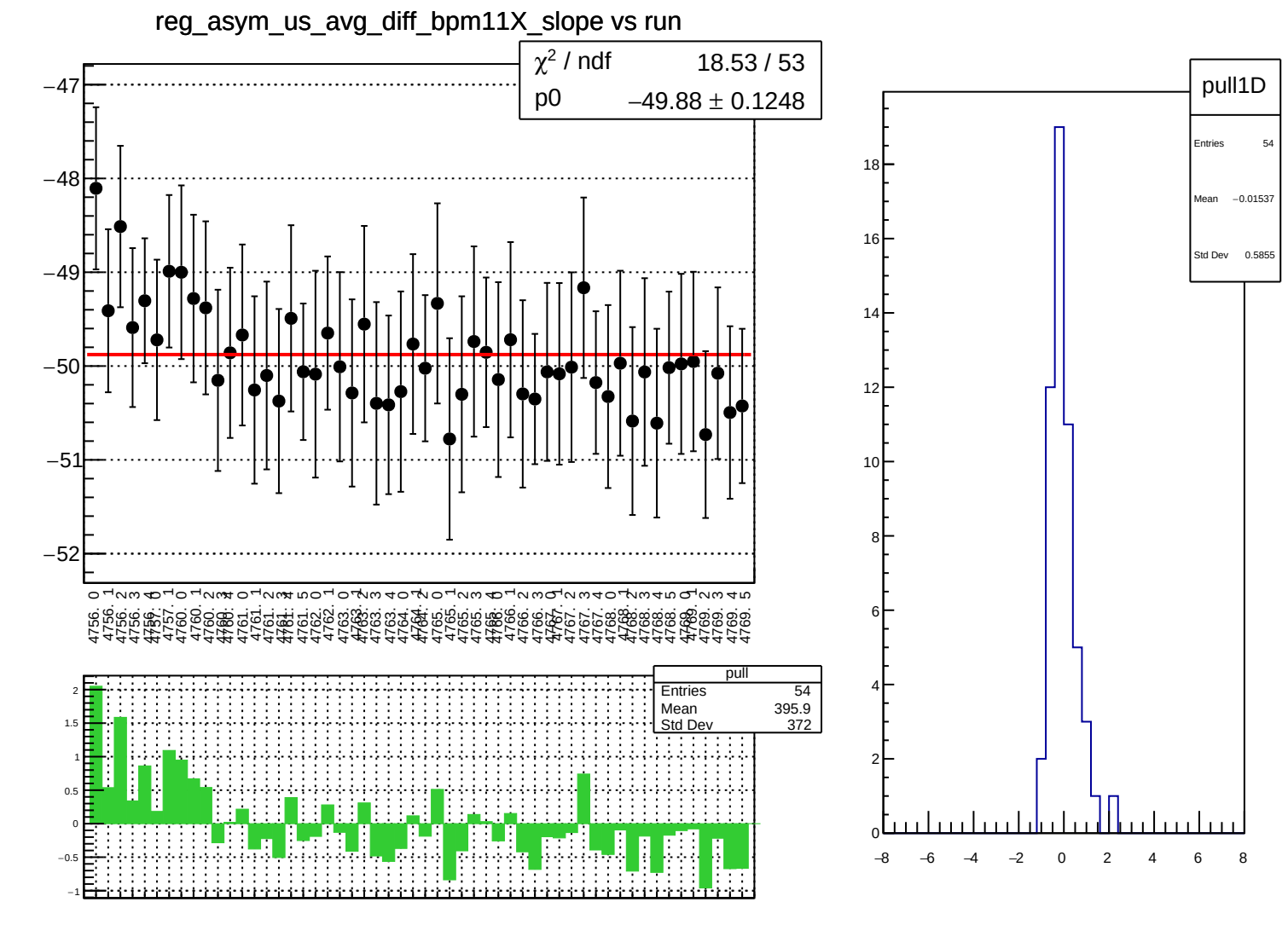

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.934 / 53
p0 −2.137 ± 0.4711
pull
Entries 54
Mean −145.1
Std Dev 169.9

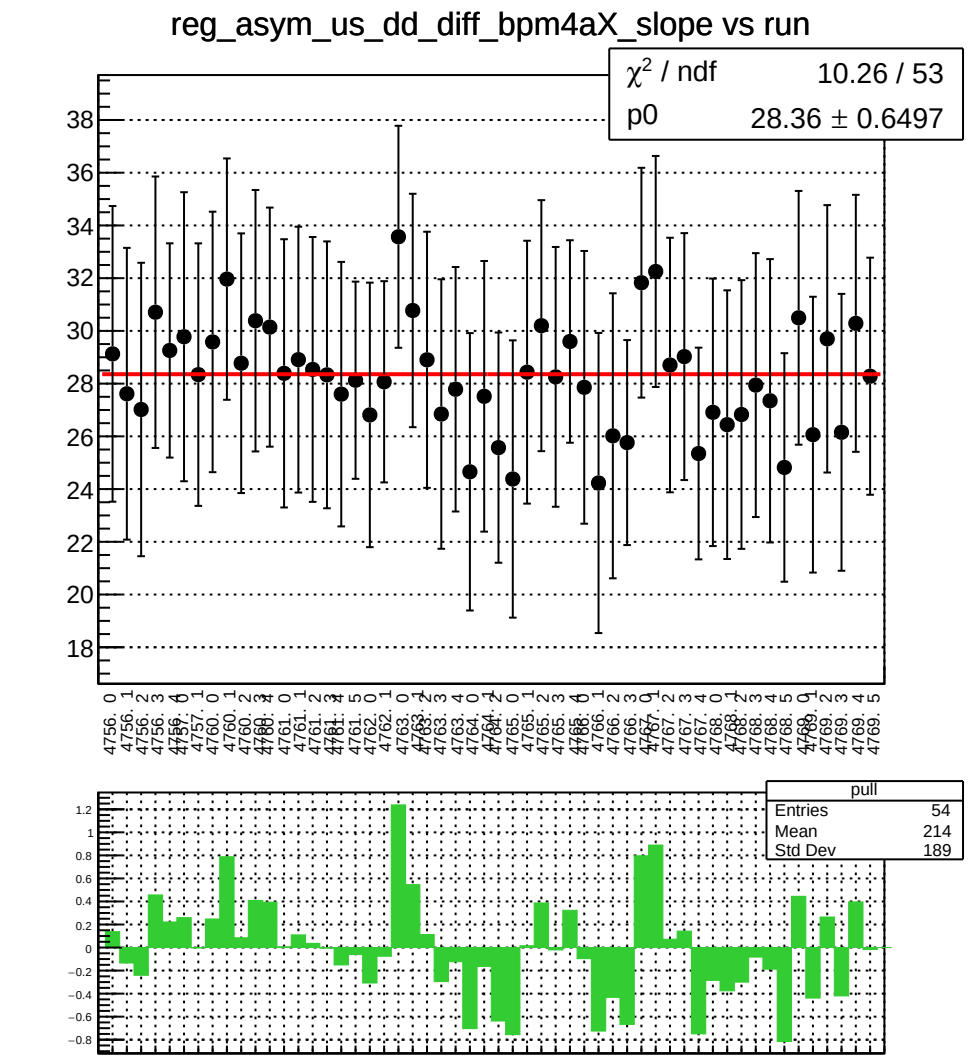

pull1D
Entries 54
Mean −0.01221
Std Dev 0.4287

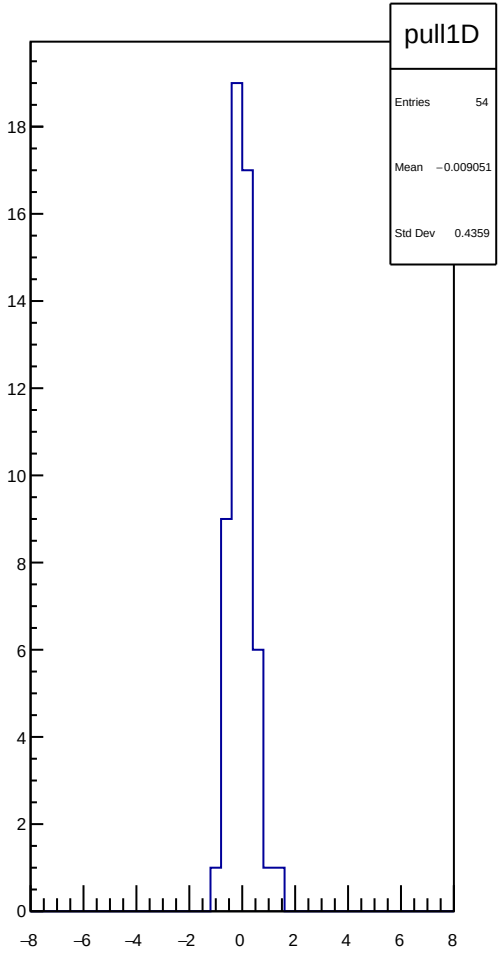

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.15 / 53
p0 −16.51 ± 0.07872
pull
Entries 54
Mean 95.49
Std Dev 99.46
pull1D
Entries 54
Mean −0.02056
Std Dev 0.7592

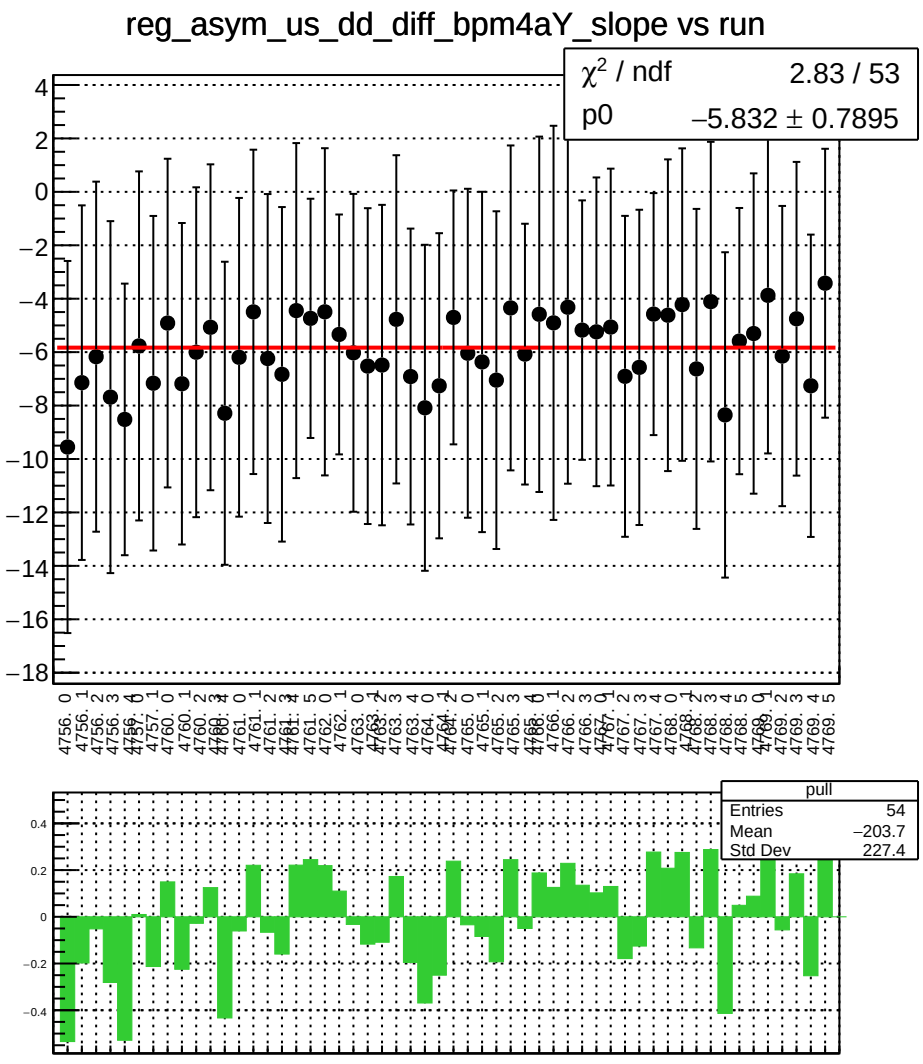

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.768 / 53
p0 2.102 ± 0.5561
pull
Entries 54
Mean 120.1
Std Dev 74.3

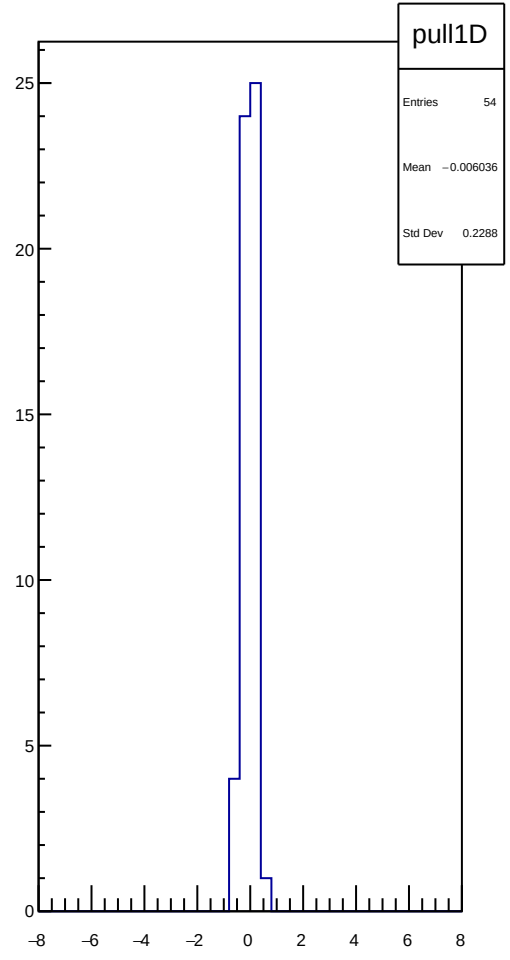

pull1D
Entries 54
Mean 0.008752
Std Dev 0.3792

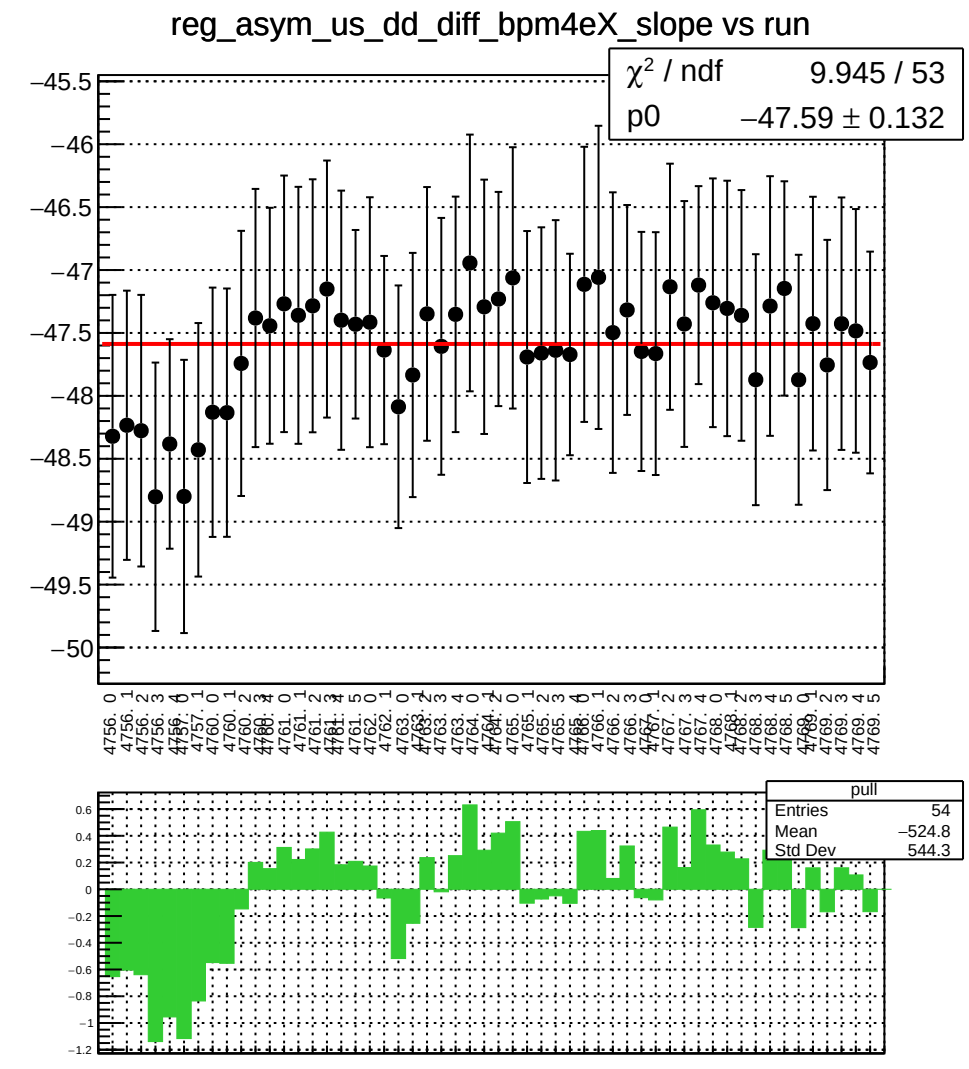

reg_asym_us_avg_diff_bpm11X_slope vs run
χ² / ndf 18.53 / 53
p0 −49.88 ± 0.1248
pull
Entries 54
Mean 395.9
Std Dev 372
pull1D
Entries 54
Mean −0.01537
Std Dev 0.5855

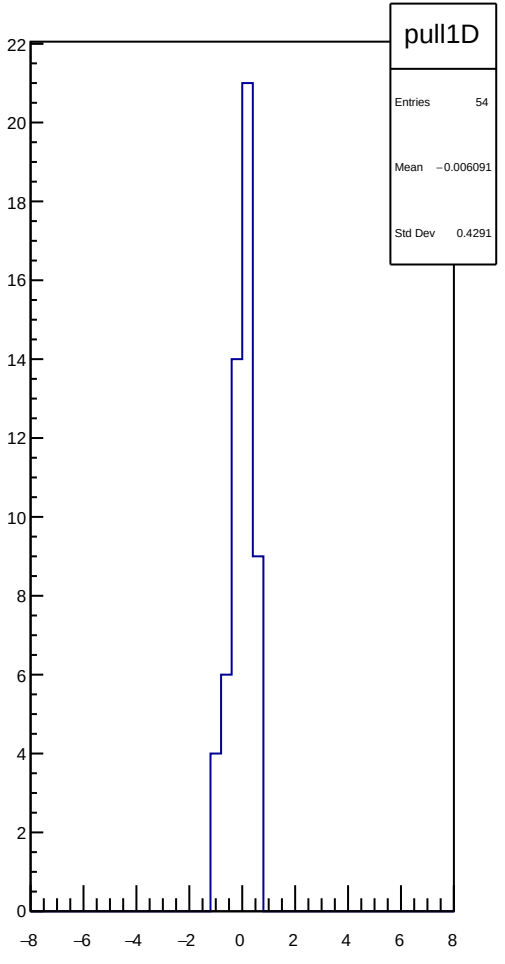

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.26 / 53
p0 28.36 ± 0.6497
pull
Entries 54
Mean 214
Std Dev 189

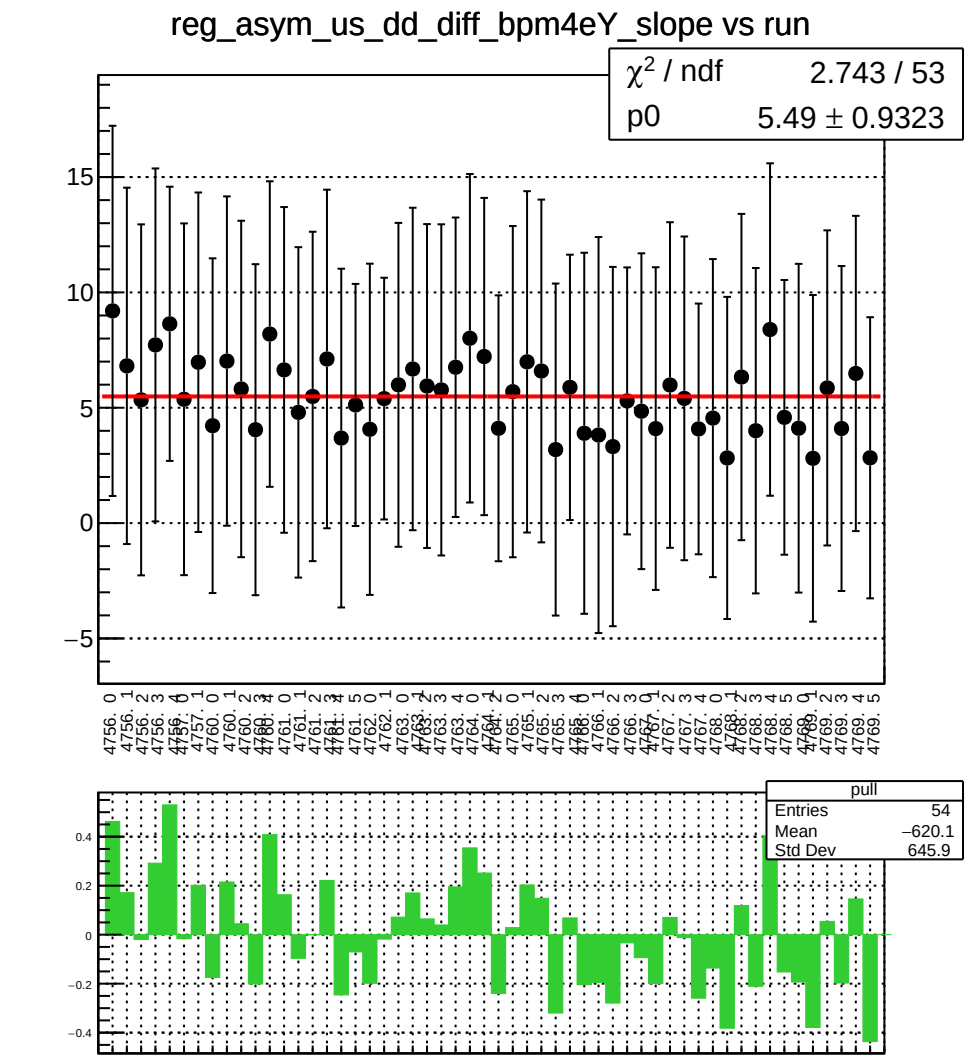

pull1D
Entries 54
Mean −0.009051
Std Dev 0.4359

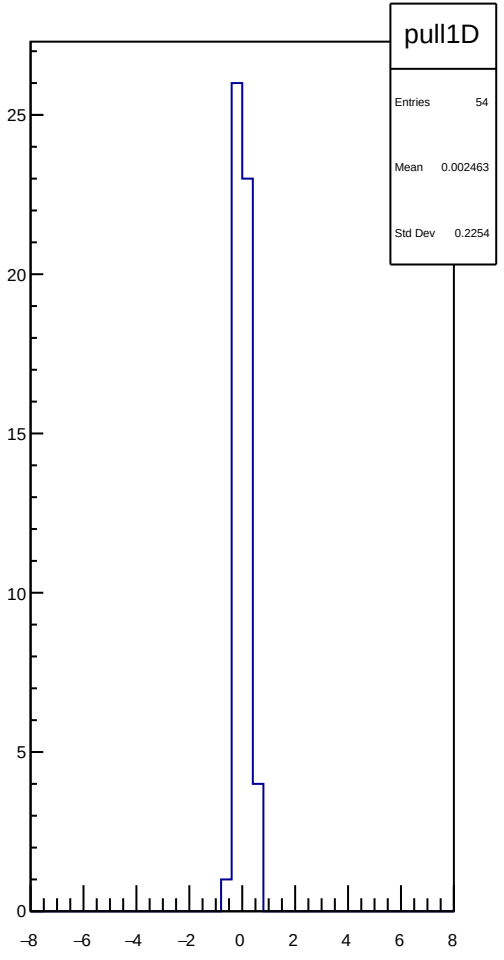

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.83 / 53
p0 −5.832 ± 0.7895
pull
Entries 54
Mean −203.7
Std Dev 227.4

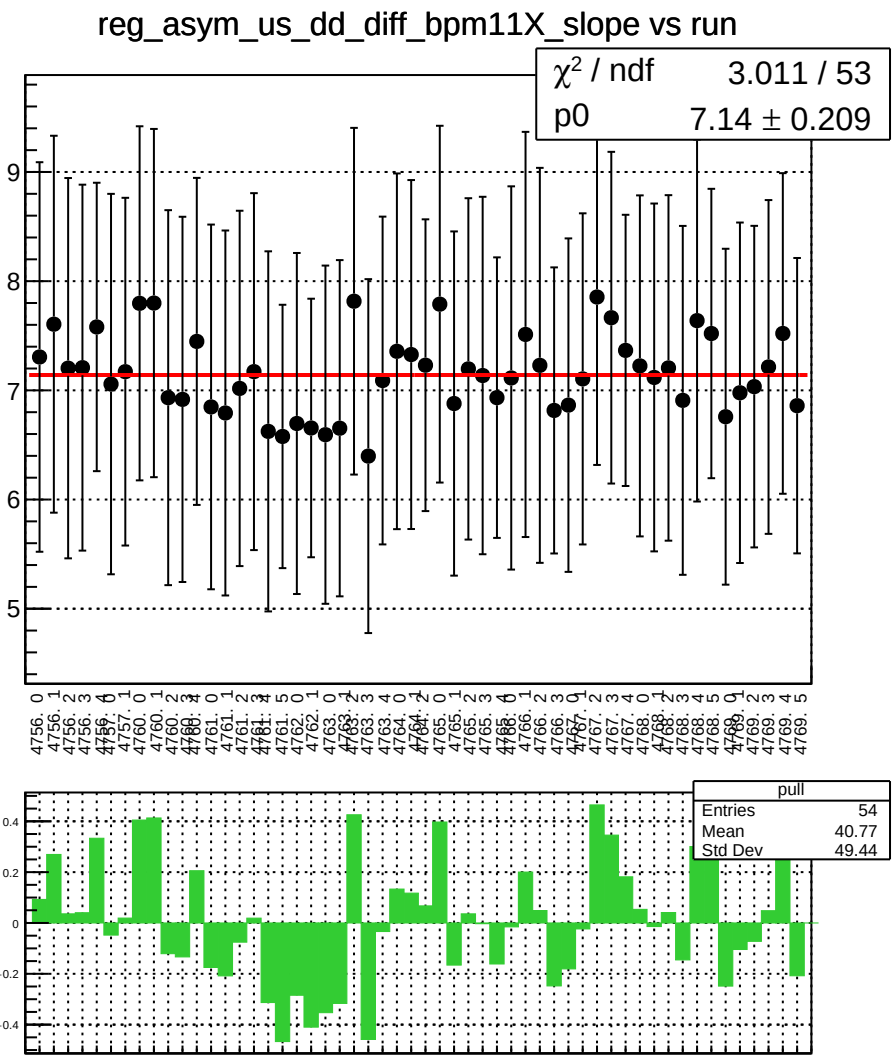

pull1D
Entries 54
Mean −0.006036
Std Dev 0.2288

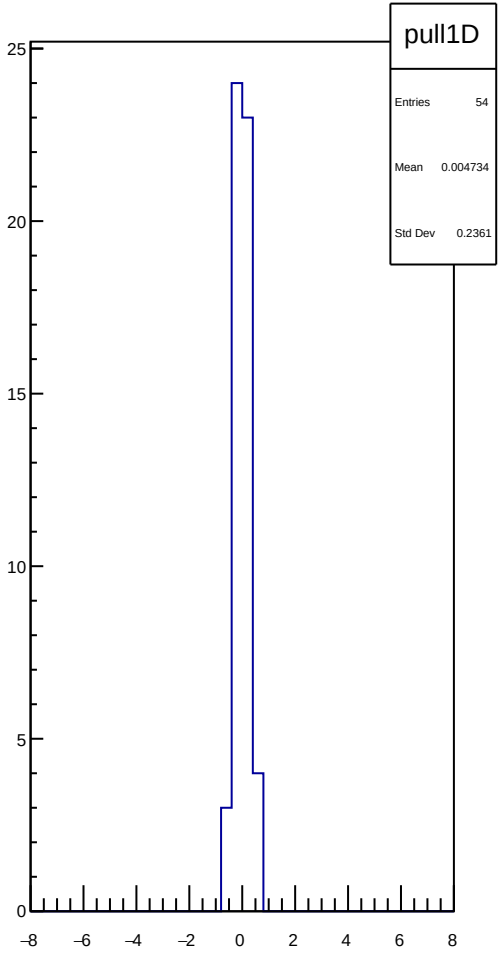

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.945 / 53
p0 −47.59 ± 0.132
pull
Entries 54
Mean −524.8
Std Dev 544.3

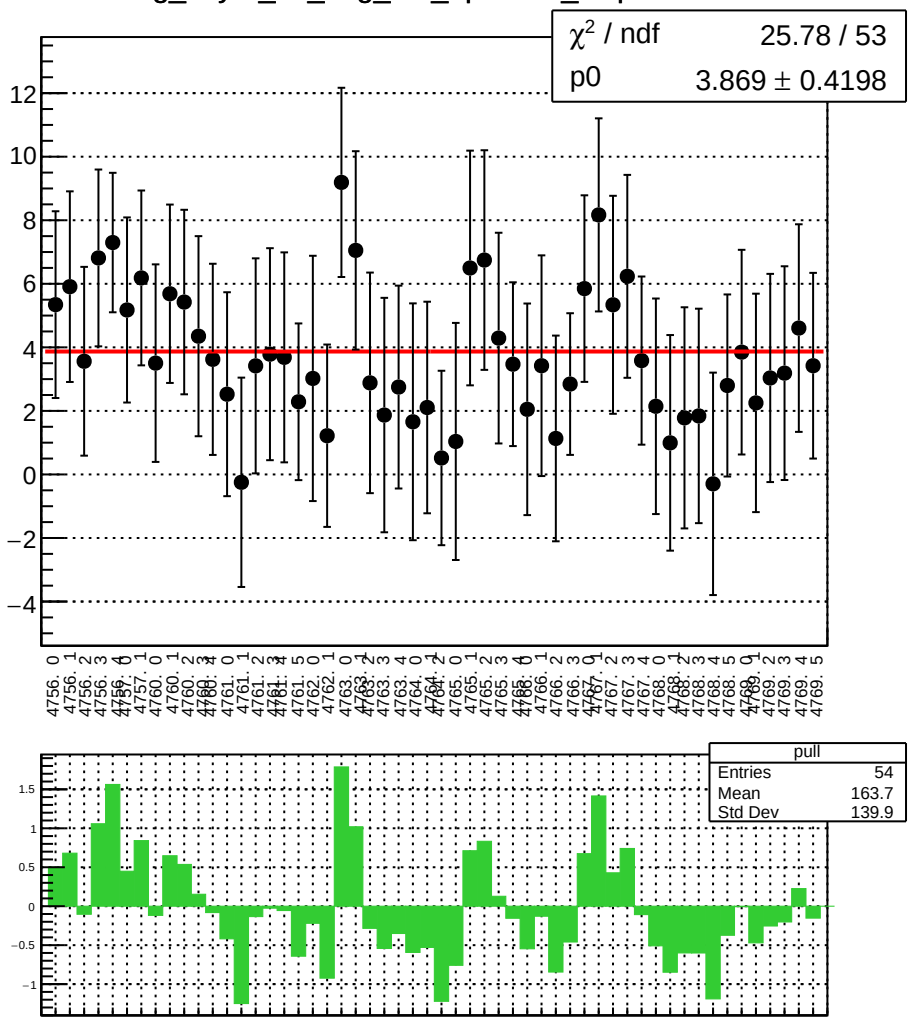

pull1D
Entries 54
Mean −0.006091
Std Dev 0.4291

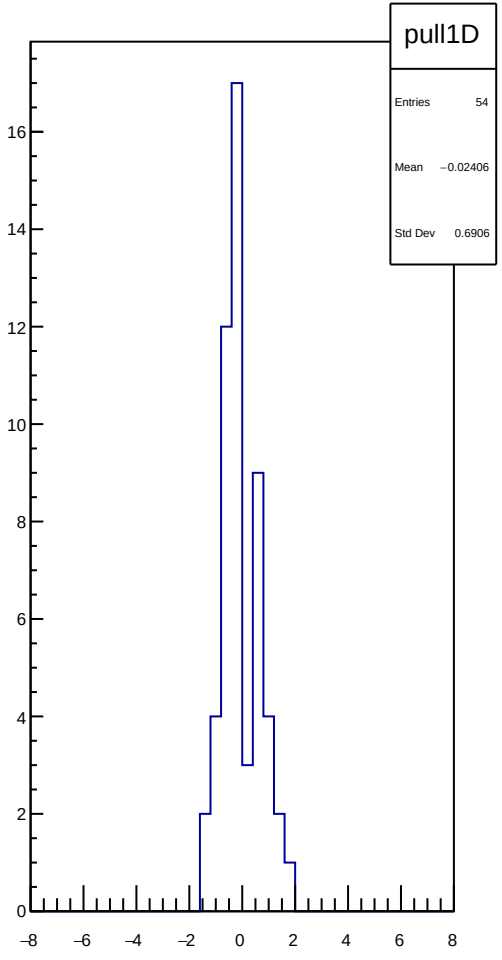

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.743 / 53
p0 5.49 ± 0.9323
pull
Entries 54
Mean −620.1
Std Dev 645.9

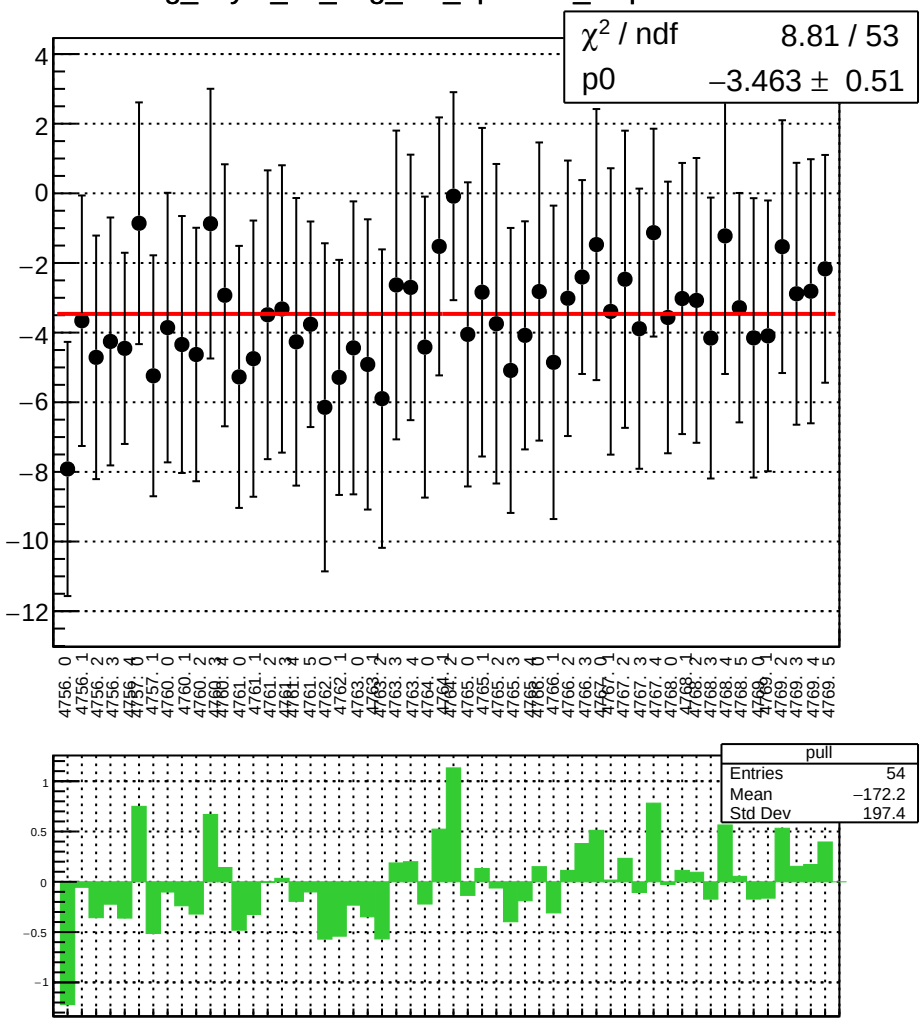

pull1D
Entries 54
Mean 0.002463
Std Dev 0.2254

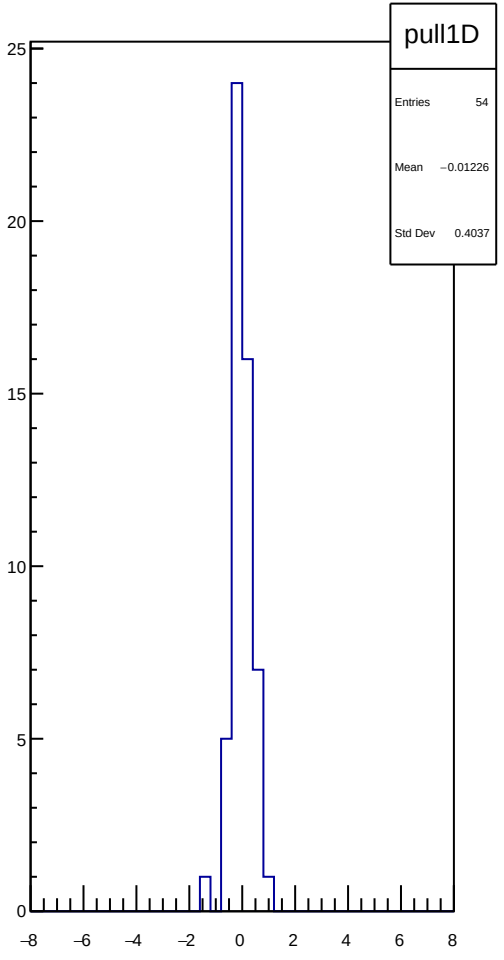

reg_asym_us_dd_diff_bpm11X_slope vs run
χ² / ndf 3.011 / 53
p0 7.14 ± 0.209
pull
Entries 54
Mean 40.77
Std Dev 49.44

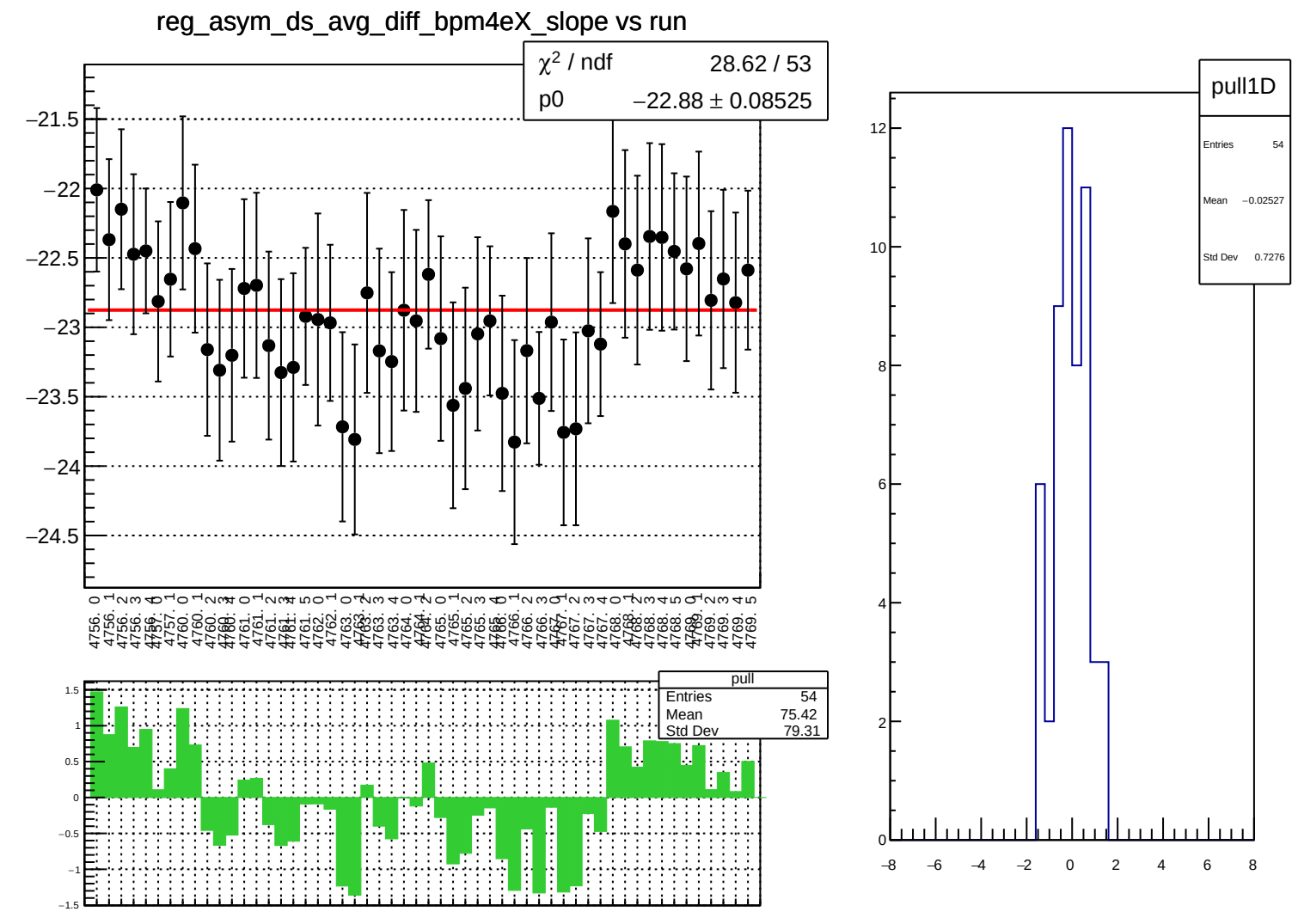

pull1D
Entries 54
Mean 0.004734
Std Dev 0.2361

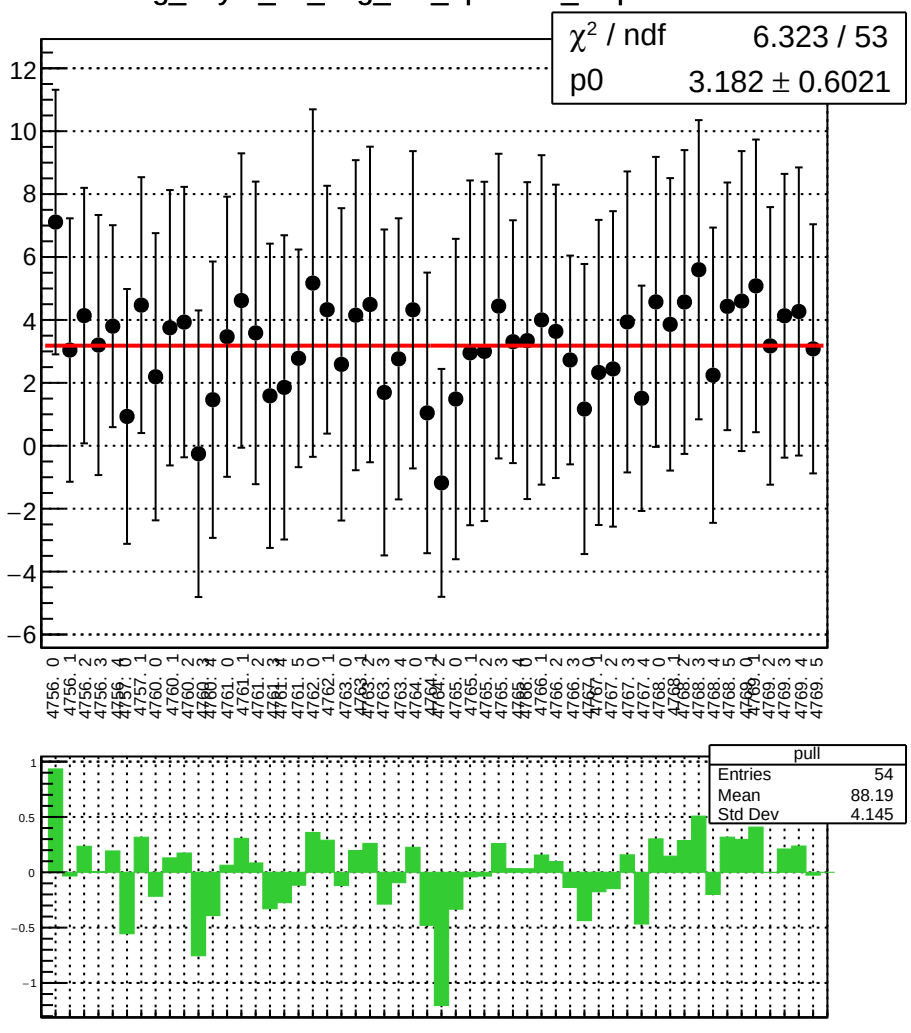

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 25.78 / 53
p0 3.869 ± 0.4198
pull
Entries 54
Mean 163.7
Std Dev 139.9

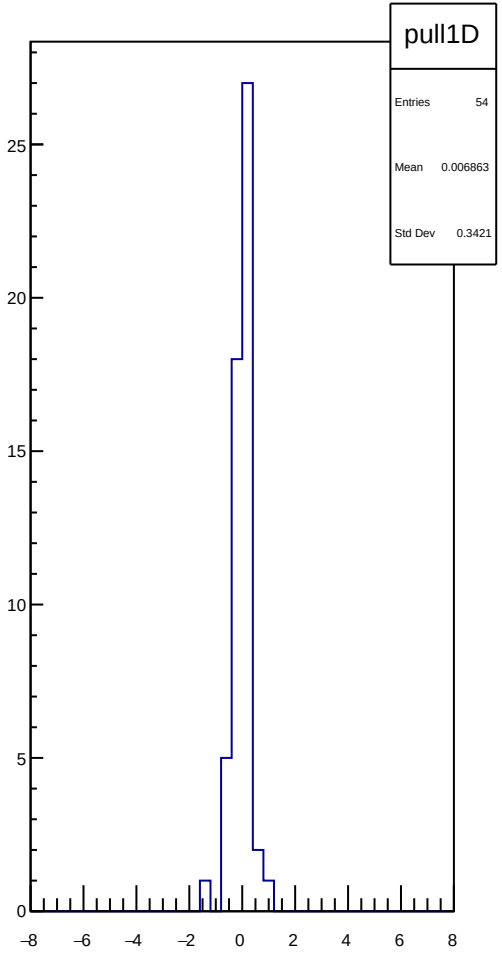

pull1D
Entries 54
Mean −0.02406
Std Dev 0.6906

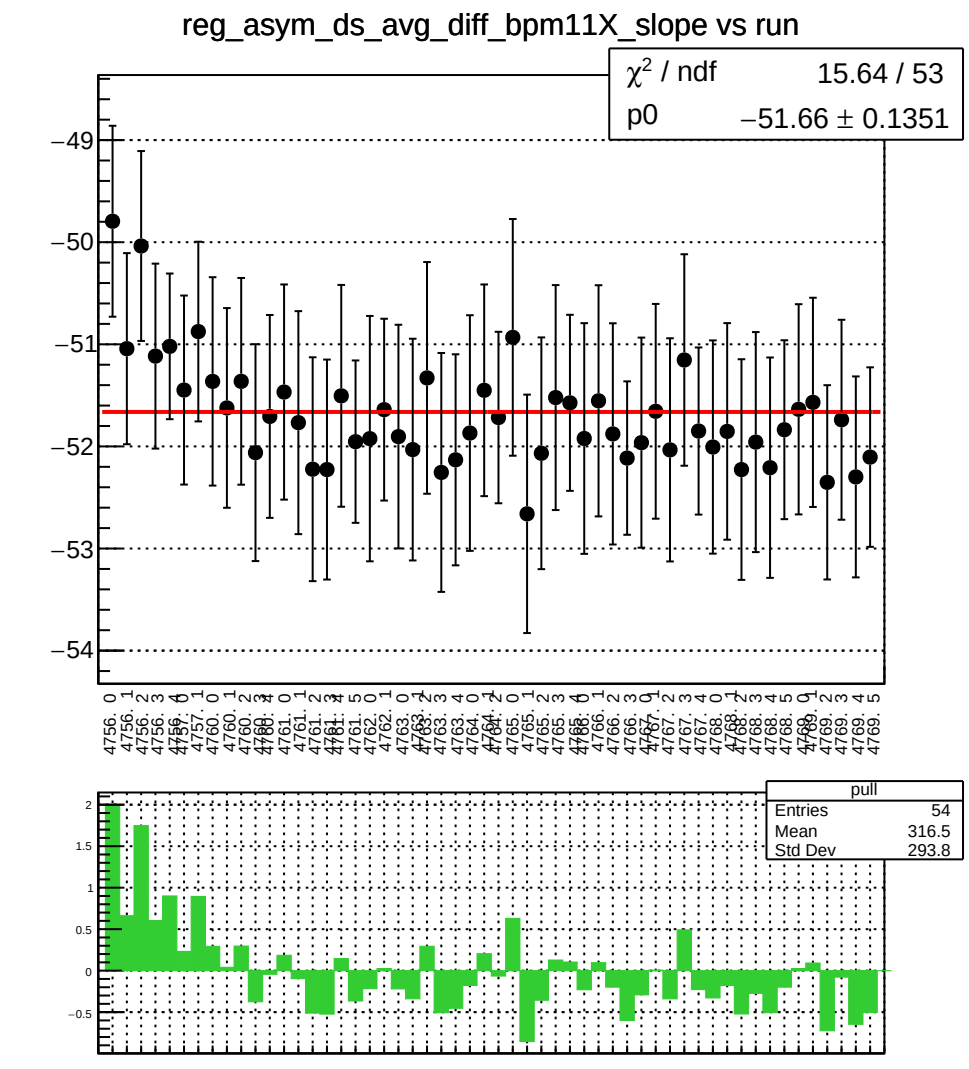

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.81 / 53
p0 −3.463 ± 0.51
pull
Entries 54
Mean −172.2
Std Dev 197.4

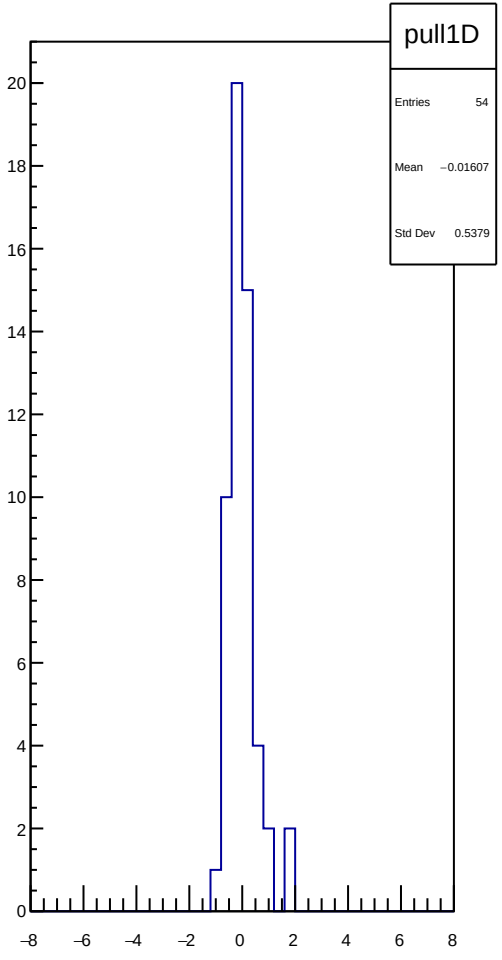

pull1D
Entries 54
Mean −0.01226
Std Dev 0.4037

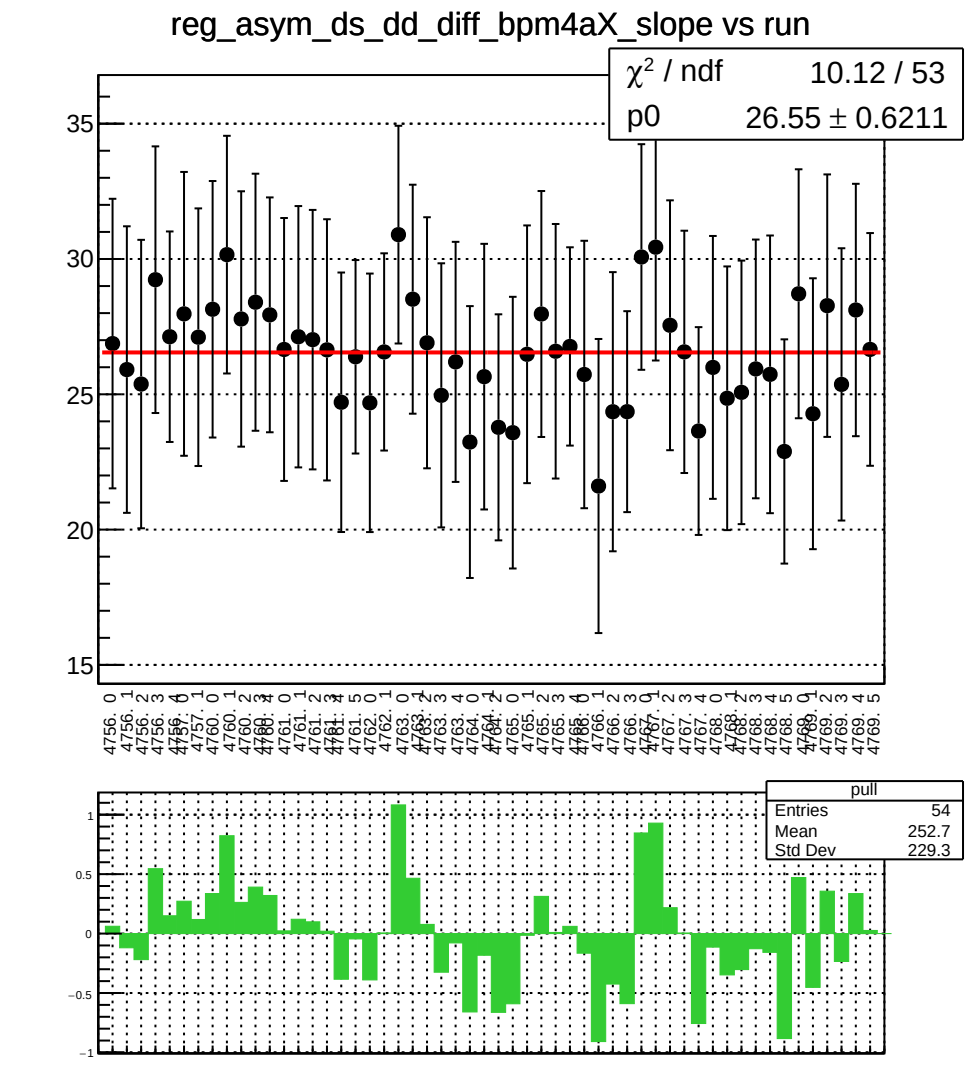

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.62 / 53
p0 −22.88 ± 0.08525
pull
Entries 54
Mean 75.42
Std Dev 79.31
pull1D
Entries 54
Mean −0.02527
Std Dev 0.7276

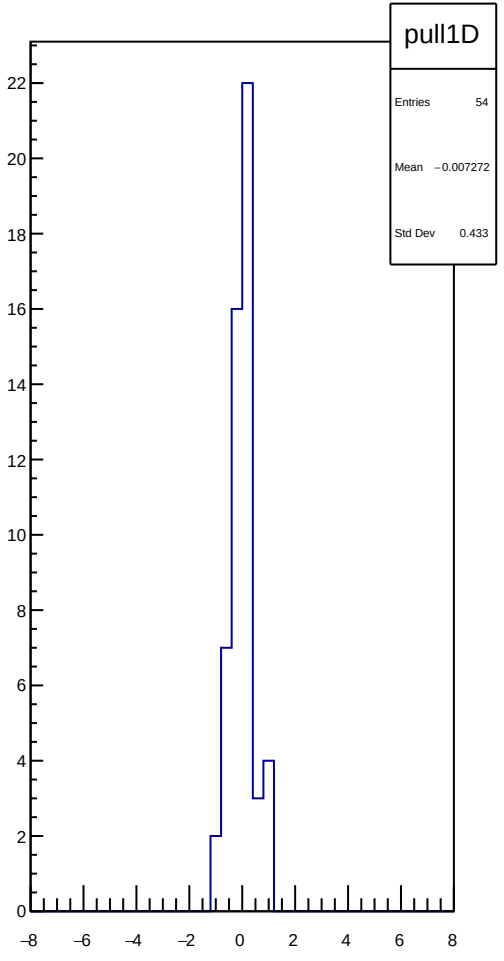

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.323 / 53
p0 3.182 ± 0.6021
pull
Entries 54
Mean 88.19
Std Dev 4.145

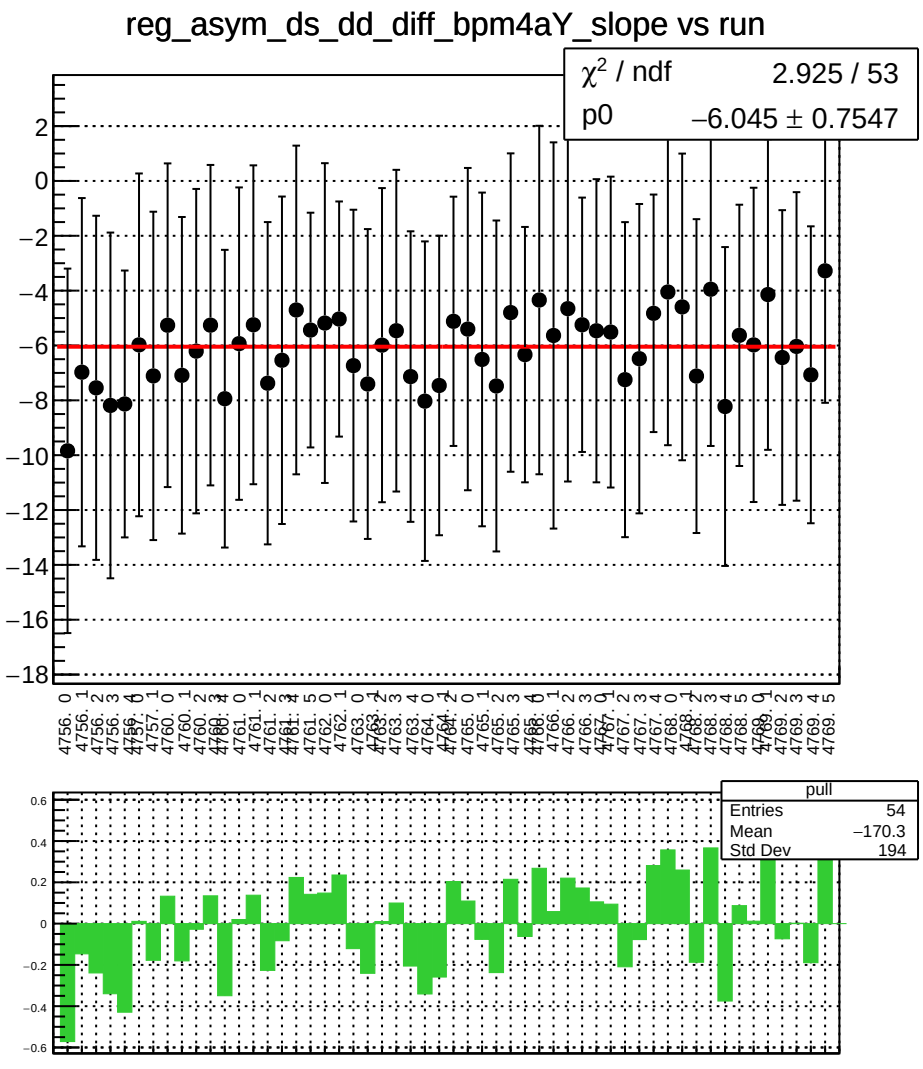

pull1D
Entries 54
Mean 0.006863
Std Dev 0.3421

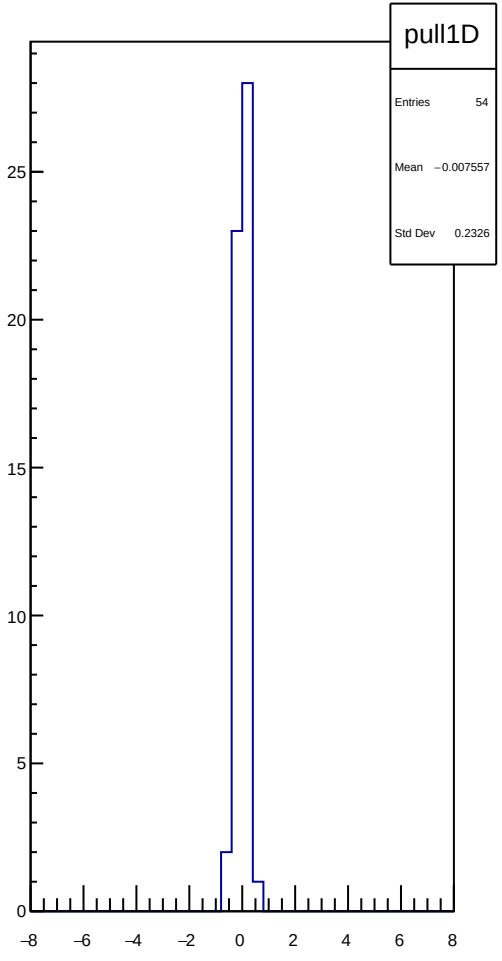

reg_asym_ds_avg_diff_bpm11X_slope vs run
χ² / ndf 15.64 / 53
p0 −51.66 ± 0.1351
pull
Entries 54
Mean 316.5
Std Dev 293.8

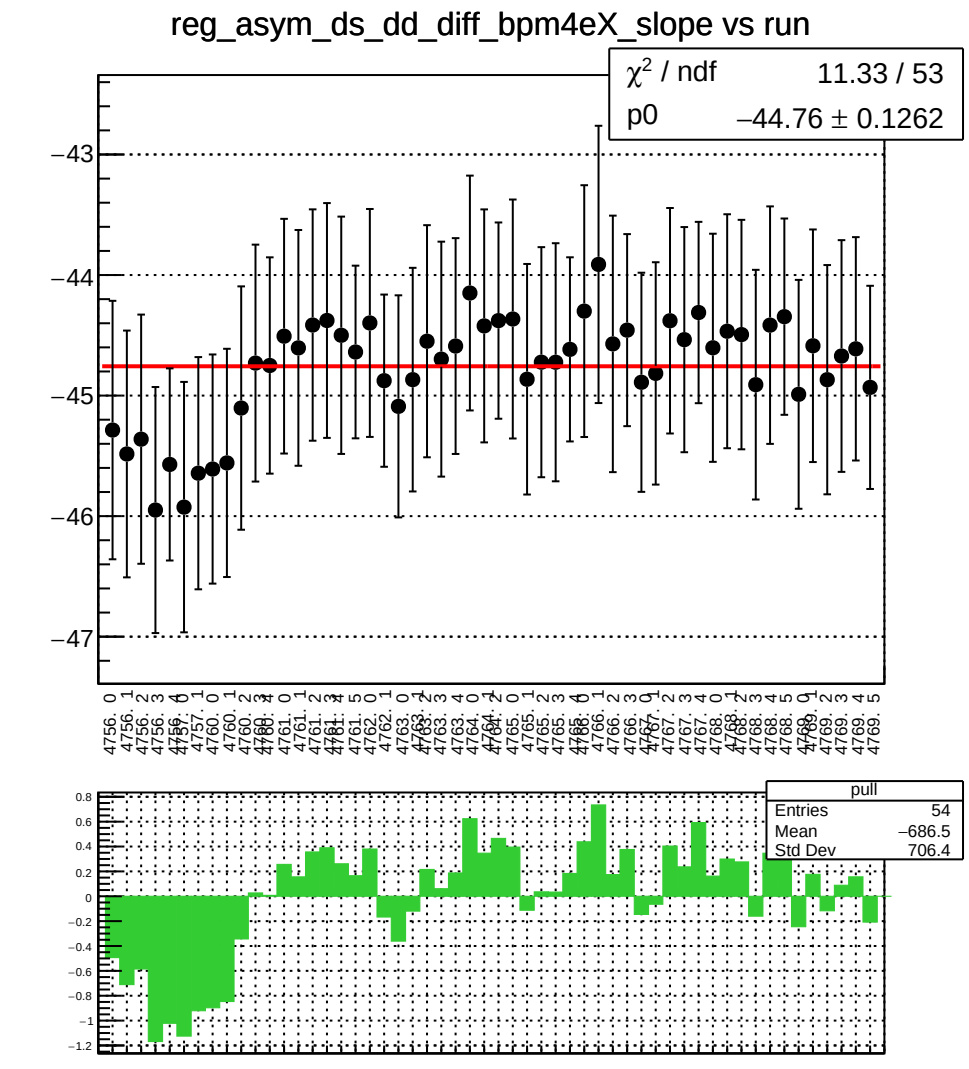

pull1D
Entries 54
Mean −0.01607
Std Dev 0.5379

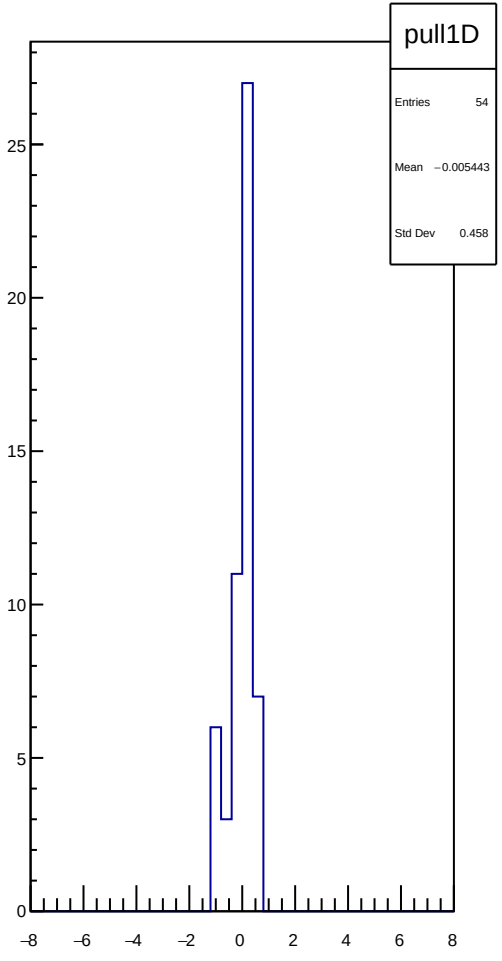

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.12 / 53
p0 26.55 ± 0.6211
pull
Entries 54
Mean 252.7
Std Dev 229.3

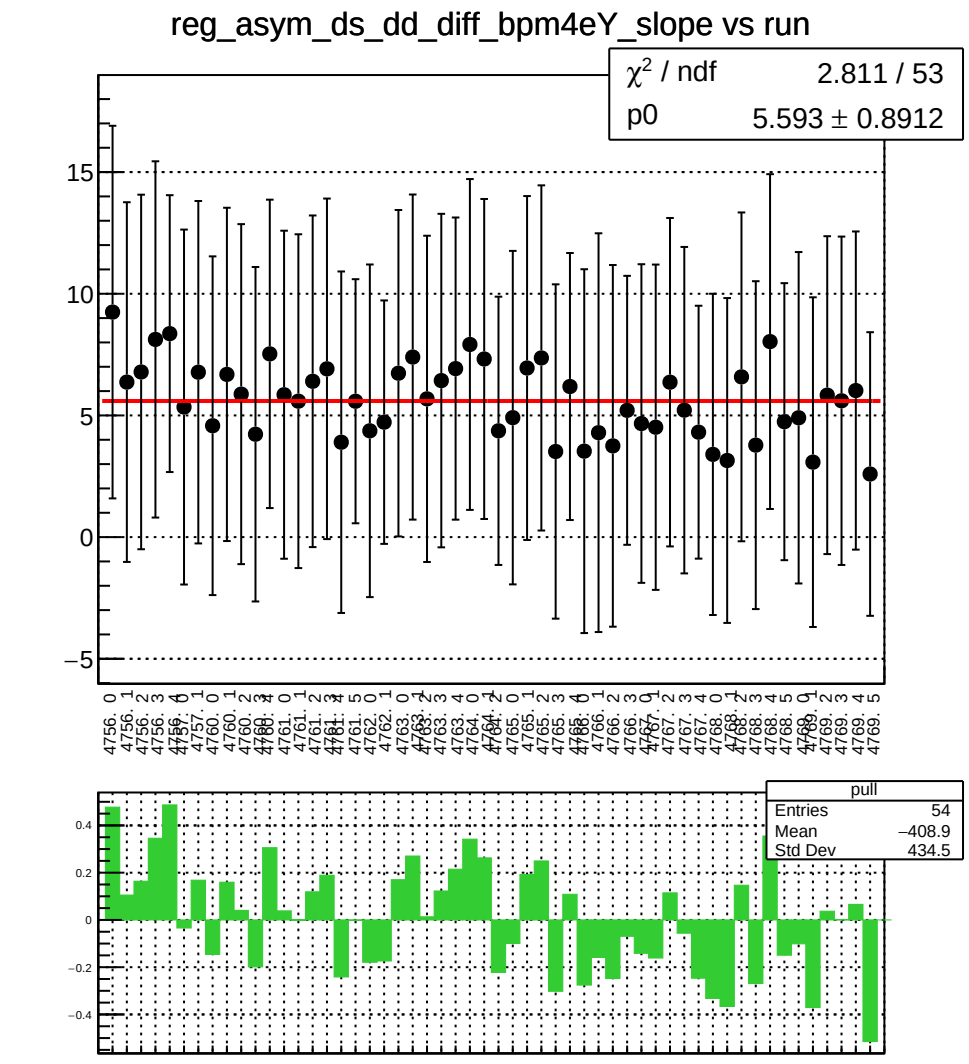

pull1D
Entries 54
Mean −0.007272
Std Dev 0.433

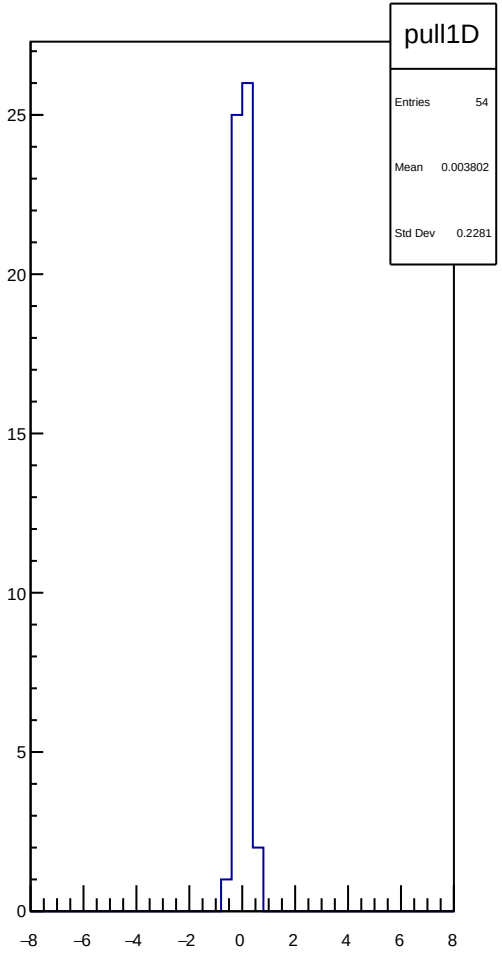

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.925 / 53
p0 −6.045 ± 0.7547
pull
Entries 54
Mean −170.3
Std Dev 194

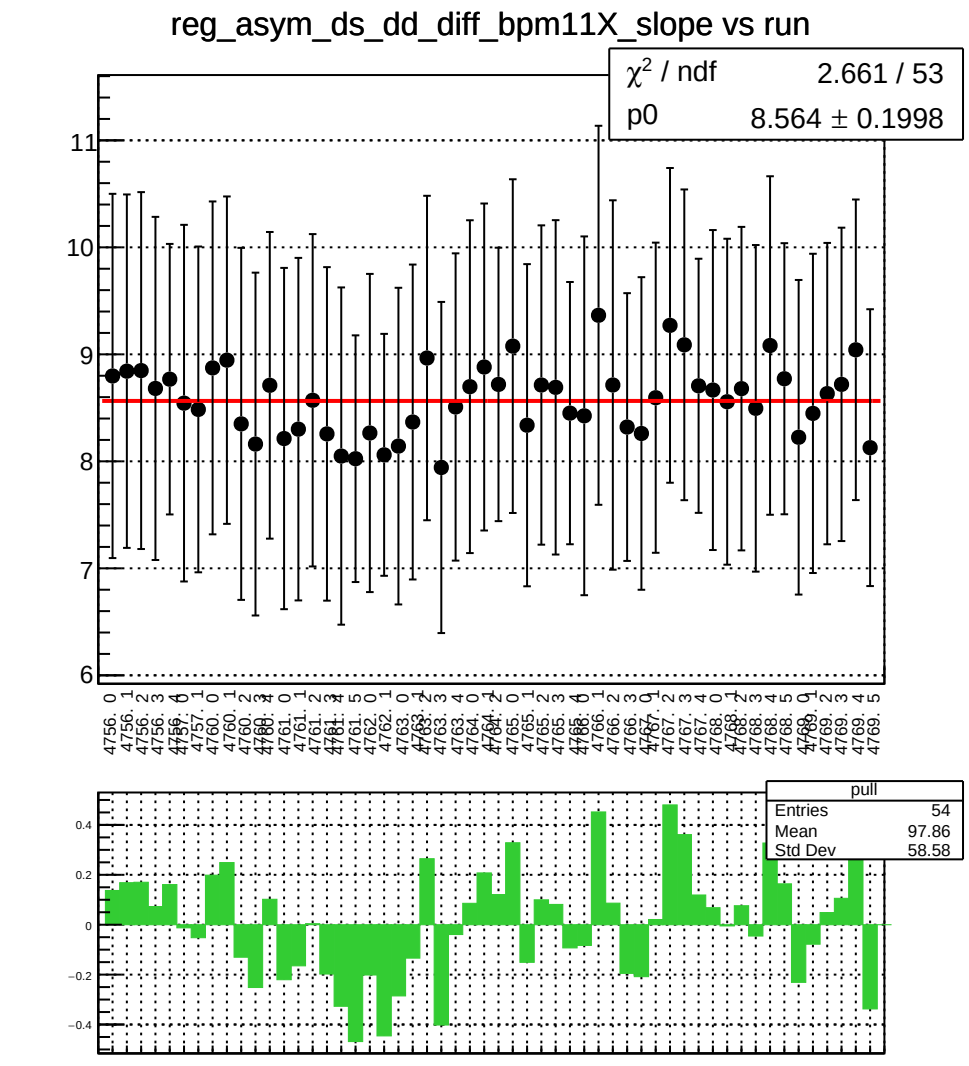

pull1D
Entries 54
Mean −0.007557
Std Dev 0.2326

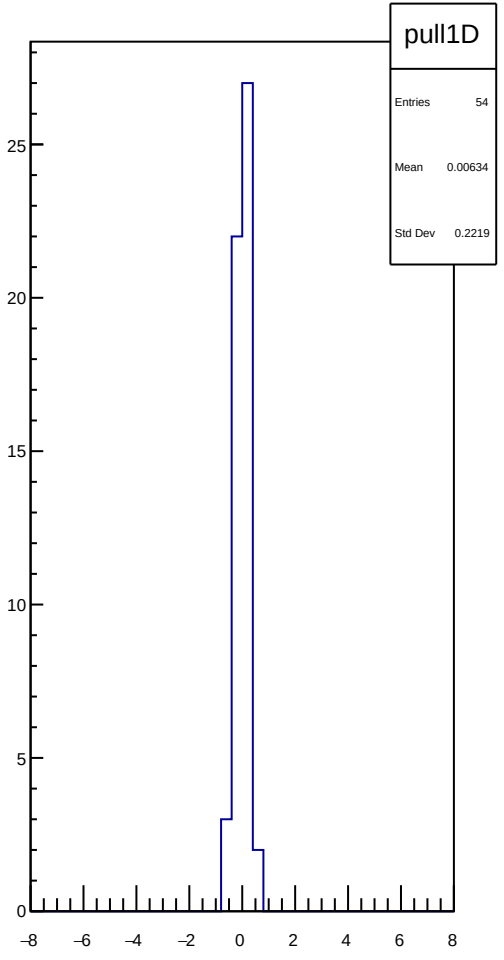

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.33 / 53
p0 −44.76 ± 0.1262
pull
Entries 54
Mean −686.5
Std Dev 706.4

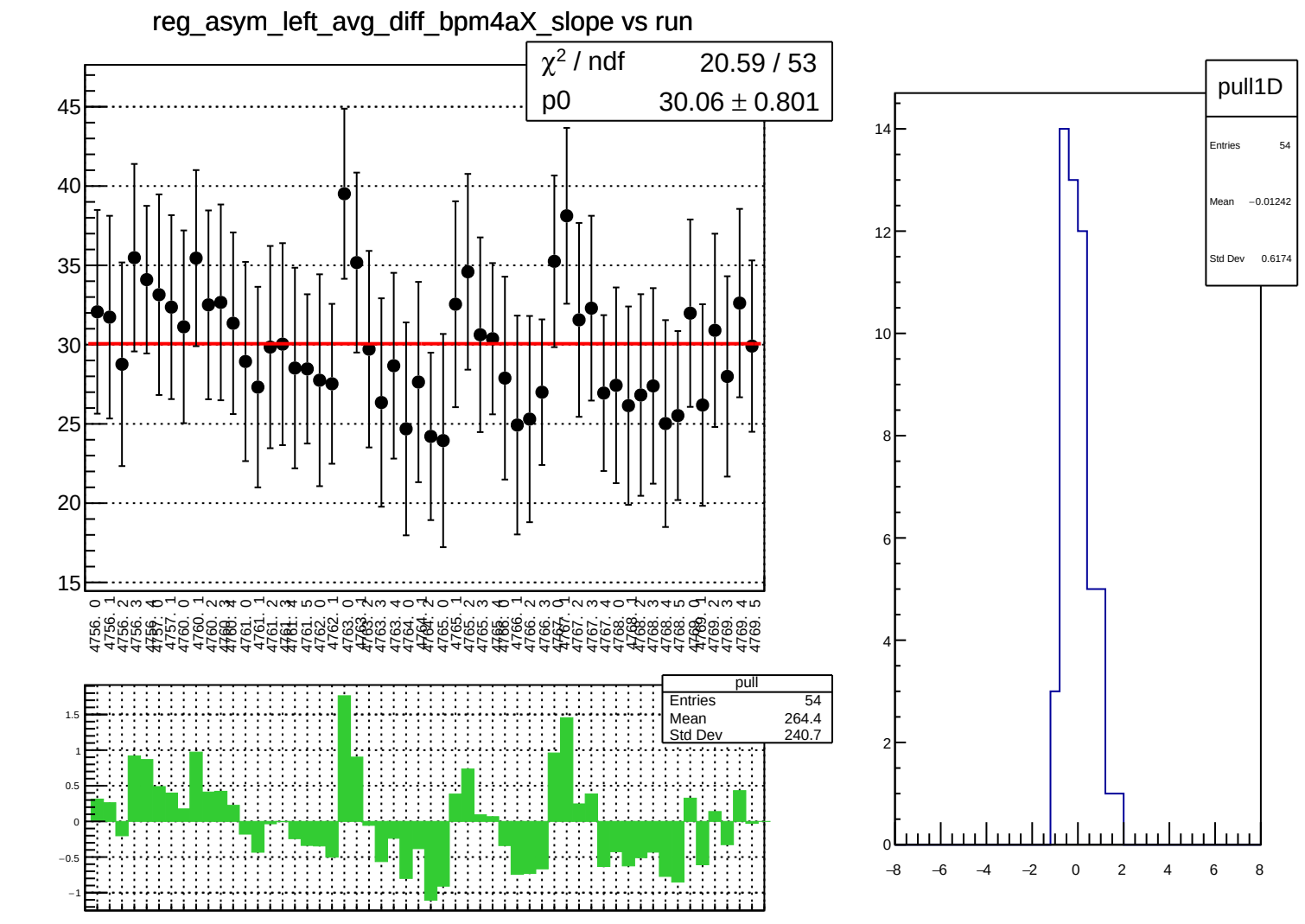

pull1D
Entries 54
Mean −0.005443
Std Dev 0.458

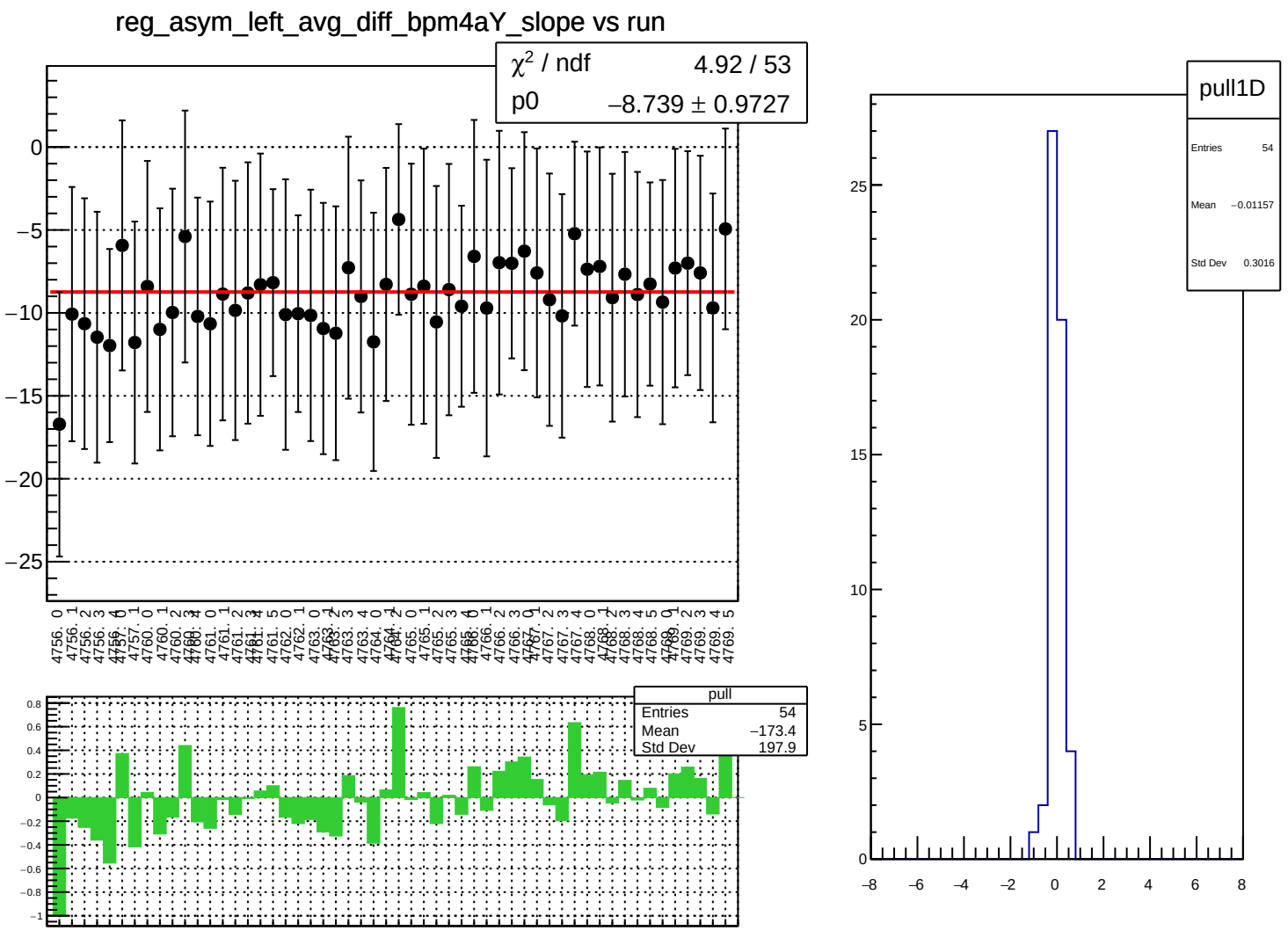

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.811 / 53
p0 5.593 ± 0.8912
pull
Entries 54
Mean −408.9
Std Dev 434.5

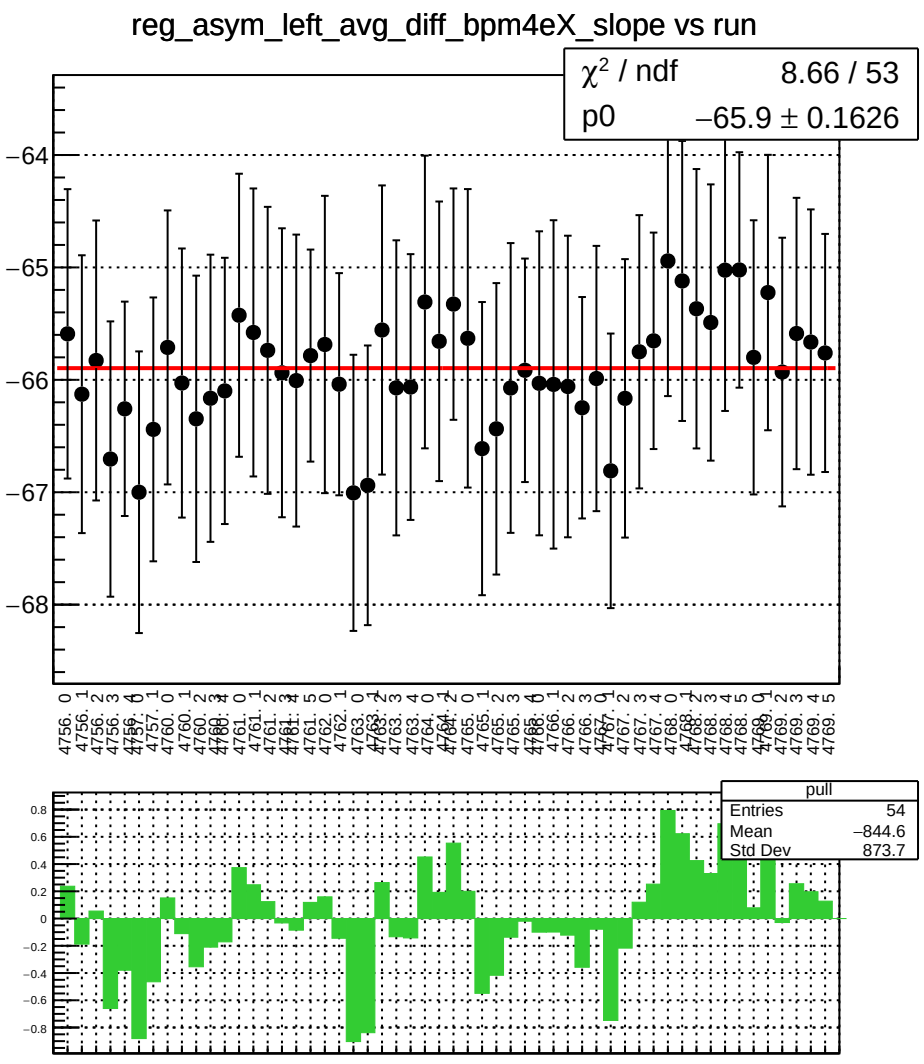

pull1D
Entries 54
Mean 0.003802
Std Dev 0.2281

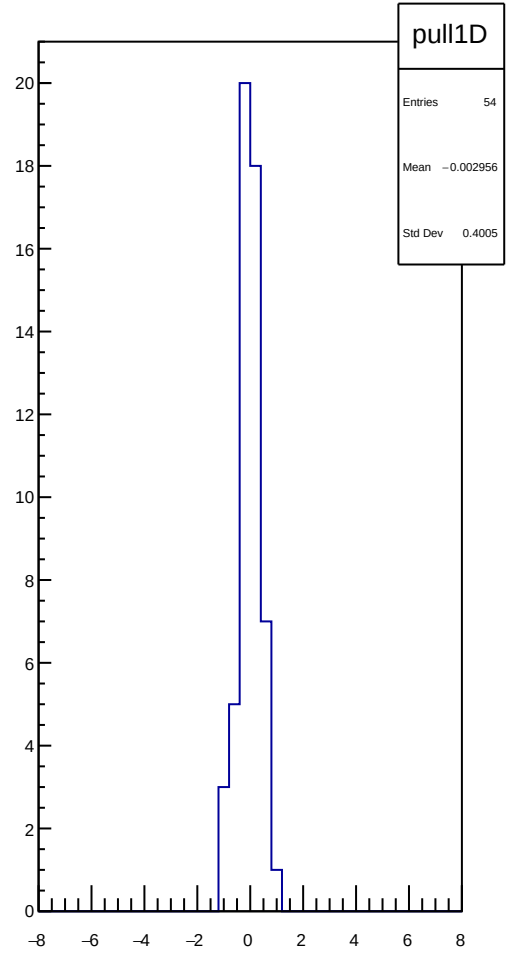

reg_asym_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 2.661 / 53
p0 8.564 ± 0.1998
pull
Entries 54
Mean 97.86
Std Dev 58.58

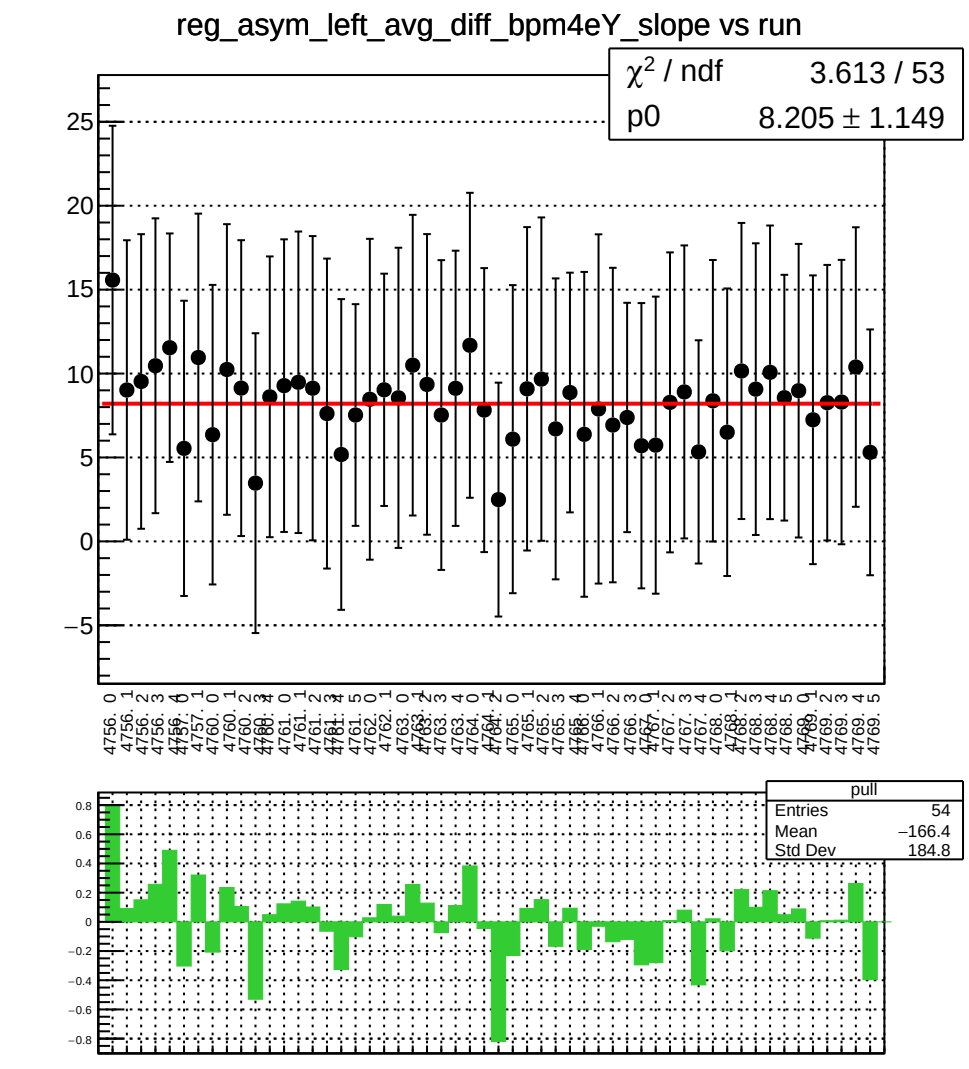

pull1D
Entries 54
Mean 0.00634
Std Dev 0.2219

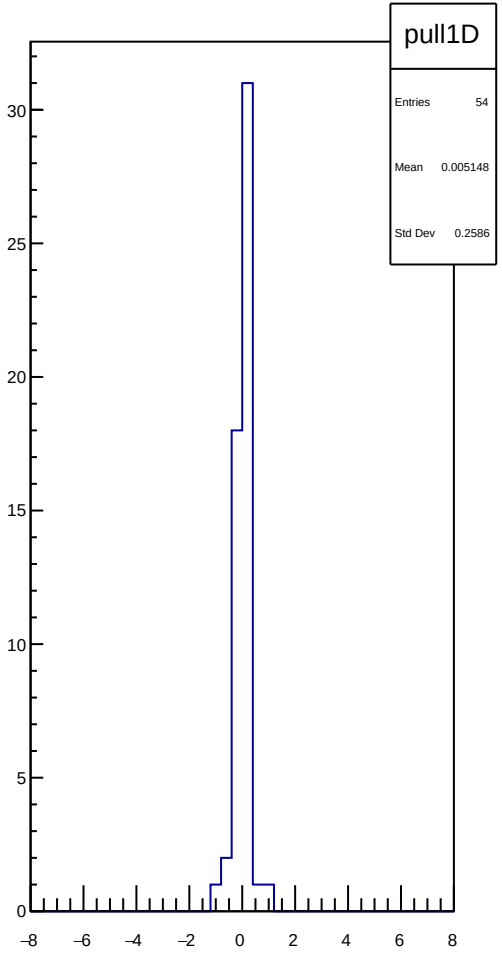

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 20.59 / 53
p0 30.06 ± 0.801
pull
Entries 54
Mean 264.4
Std Dev 240.7
pull1D
Entries 54
Mean −0.01242
Std Dev 0.6174

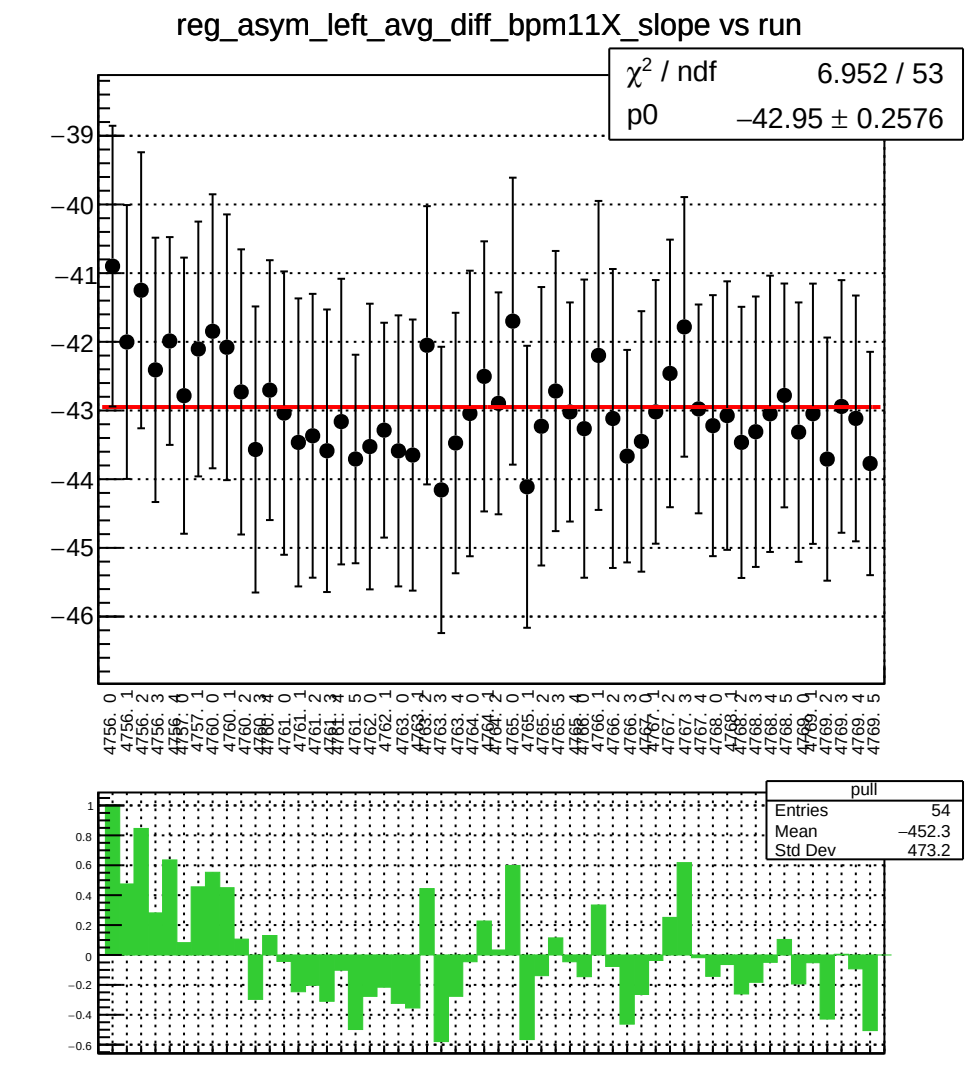

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.92 / 53
p0 −8.739 ± 0.9727
pull
Entries 54
Mean −173.4
Std Dev 197.9
pull1D
Entries 54
Mean −0.01157
Std Dev 0.3016

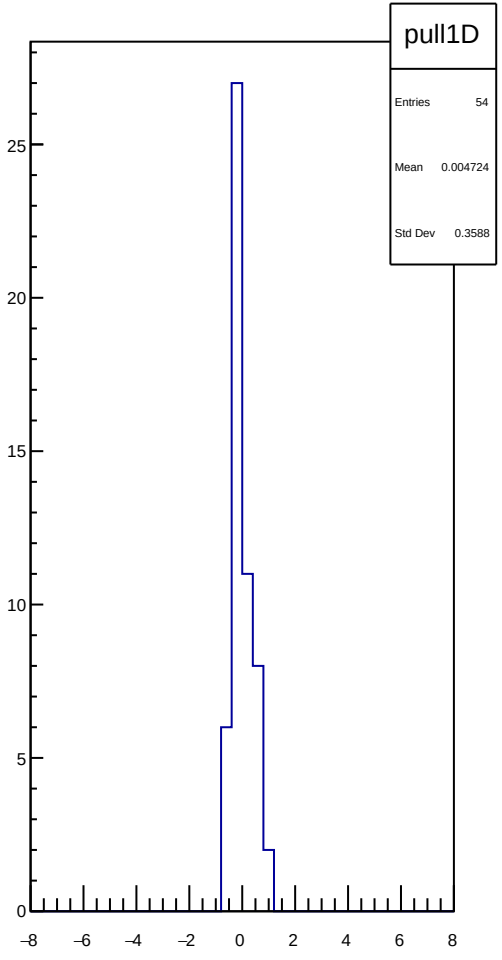

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.66 / 53
p0 −65.9 ± 0.1626
−64
−65
−66
−67
−68
pull
Entries 54
Mean −844.6
Std Dev 873.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

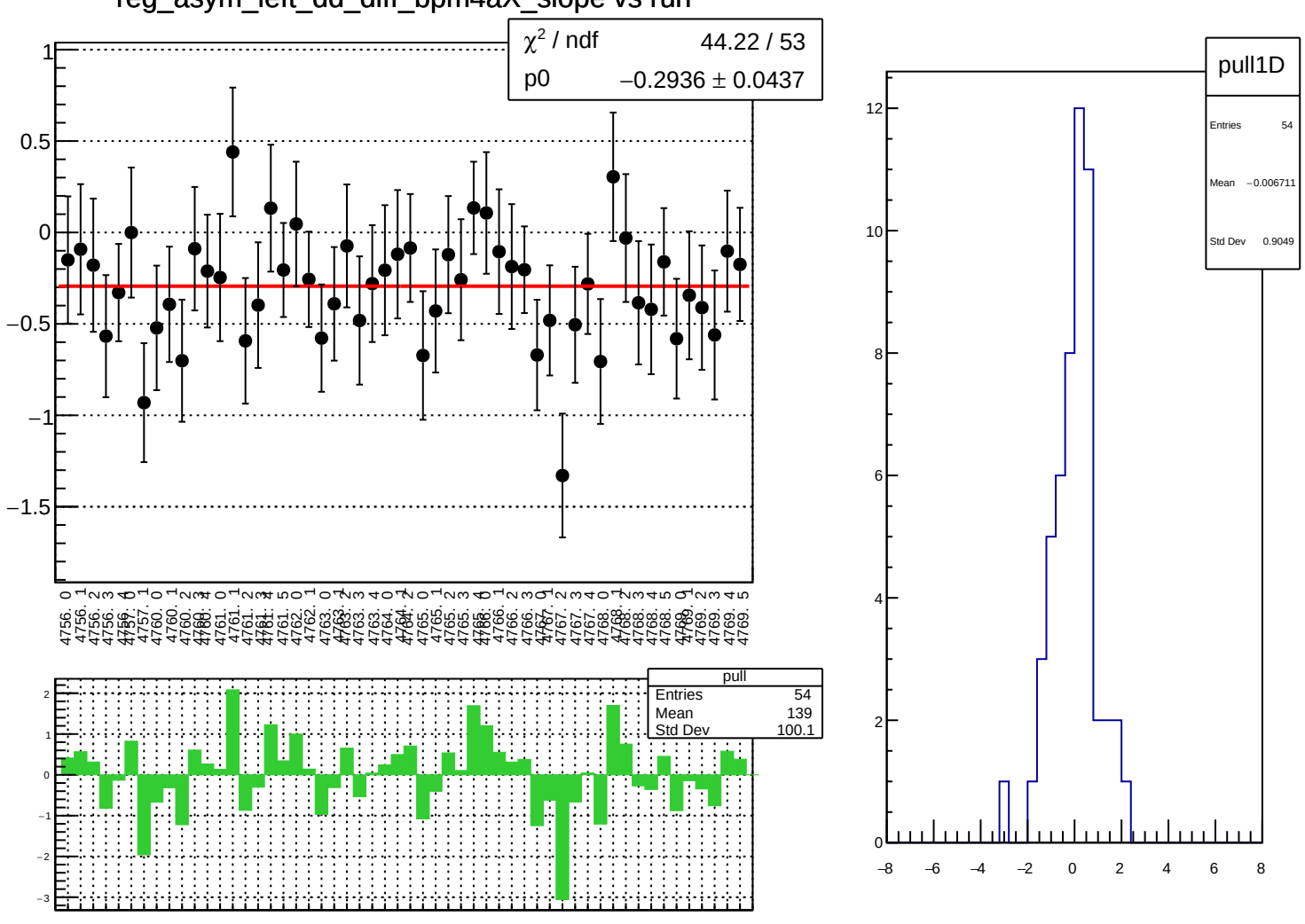

pull1D
Entries 54
Mean −0.002956
Std Dev 0.4005
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

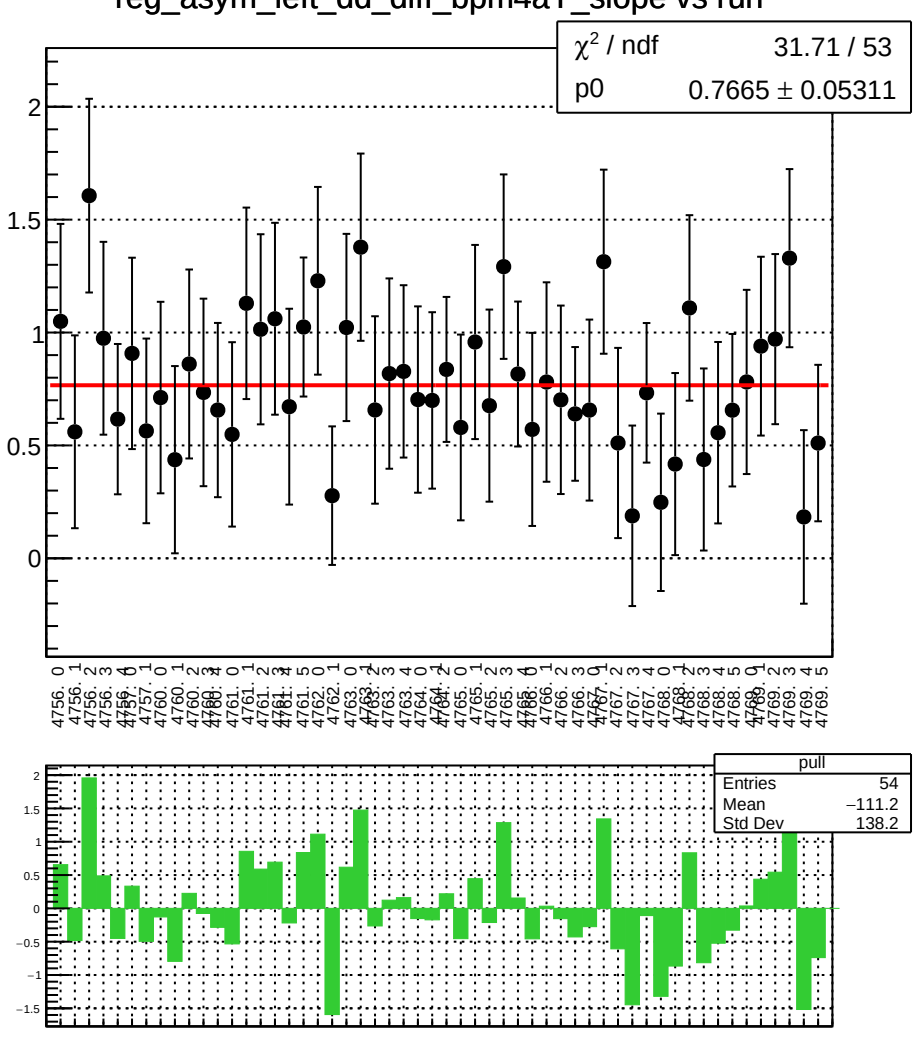

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.613 / 53
p0 8.205 ± 1.149
pull
Entries 54
Mean −166.4
Std Dev 184.8

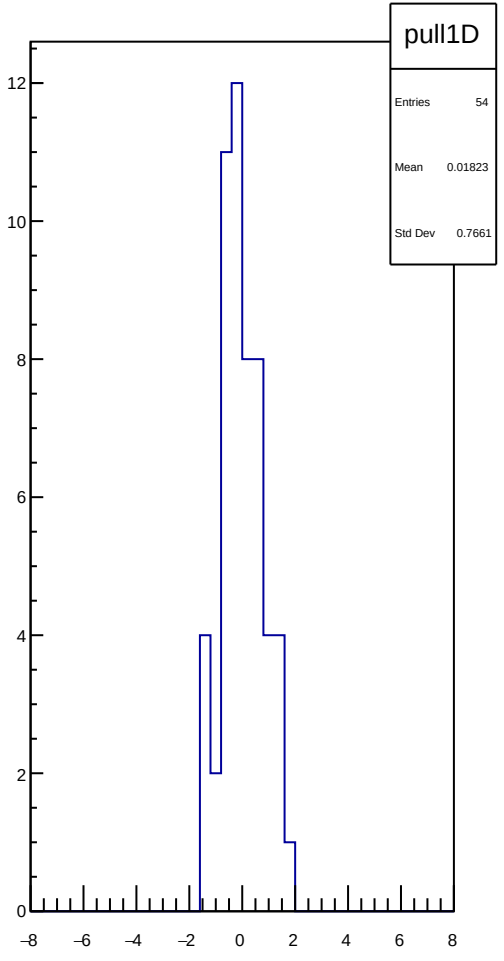

pull1D
Entries 54
Mean 0.005148
Std Dev 0.2586

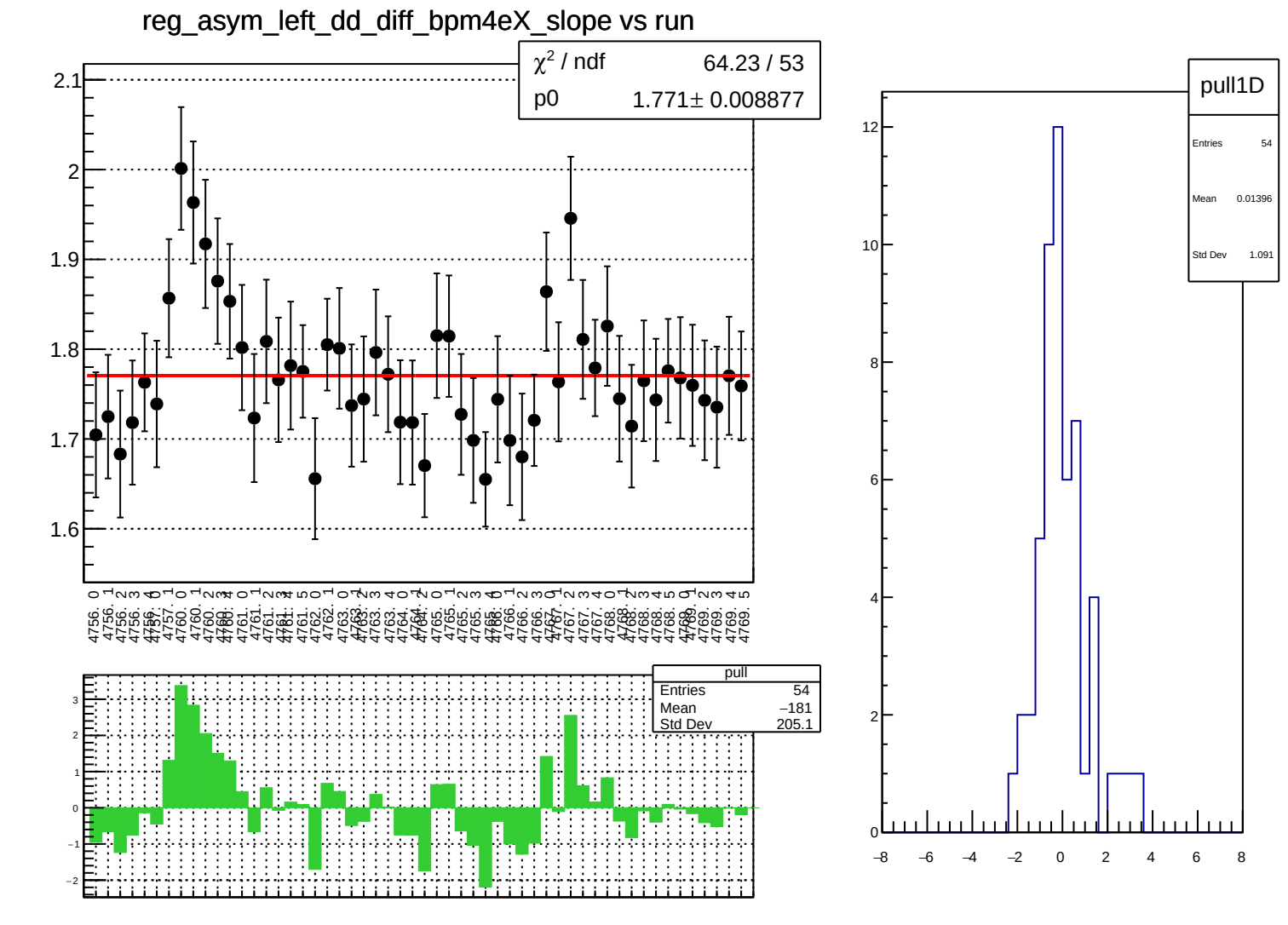

reg_asym_left_avg_diff_bpm11X_slope vs run
χ² / ndf 6.952 / 53
p0 −42.95 ± 0.2576
pull
Entries 54
Mean −452.3
Std Dev 473.2

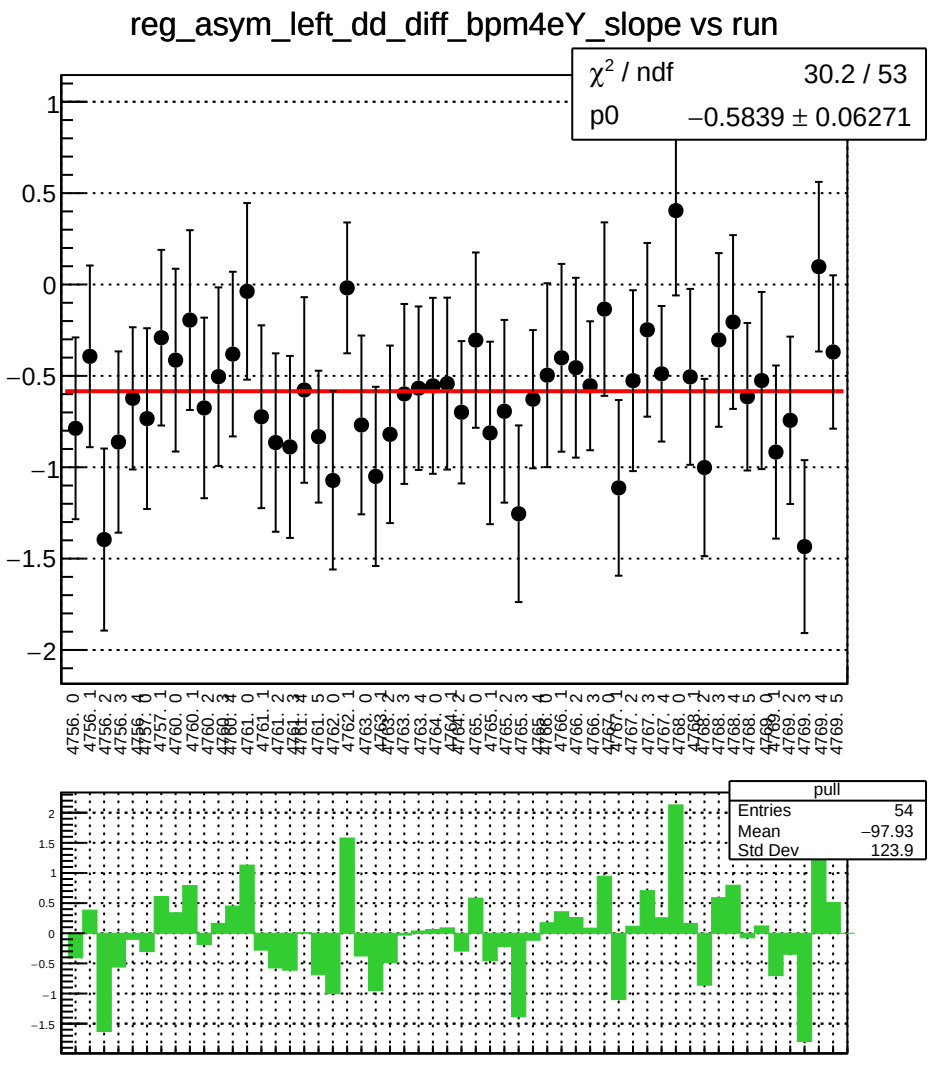

pull1D
Entries 54
Mean 0.004724
Std Dev 0.3588

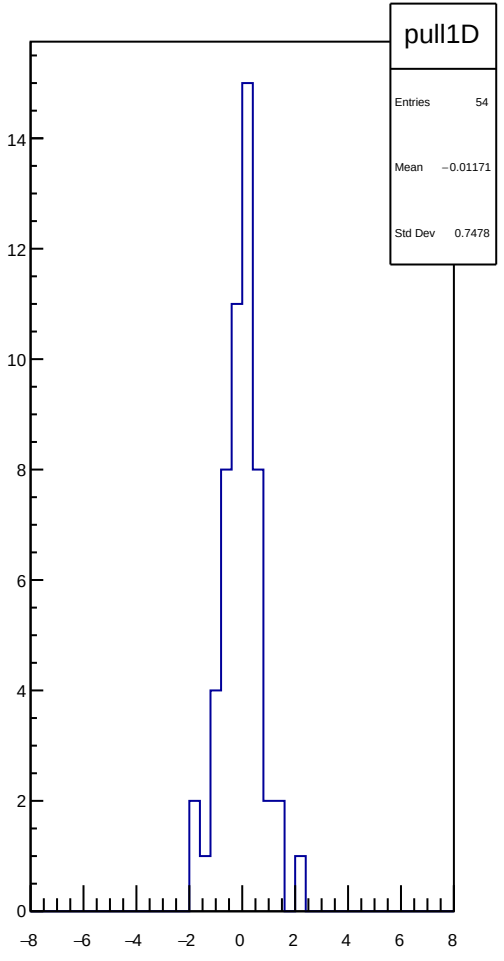

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 44.22 / 53
p0 −0.2936 ± 0.0437
pull
Entries 54
Mean 139
Std Dev 100.1
pull1D
Entries 54
Mean −0.006711
Std Dev 0.9049

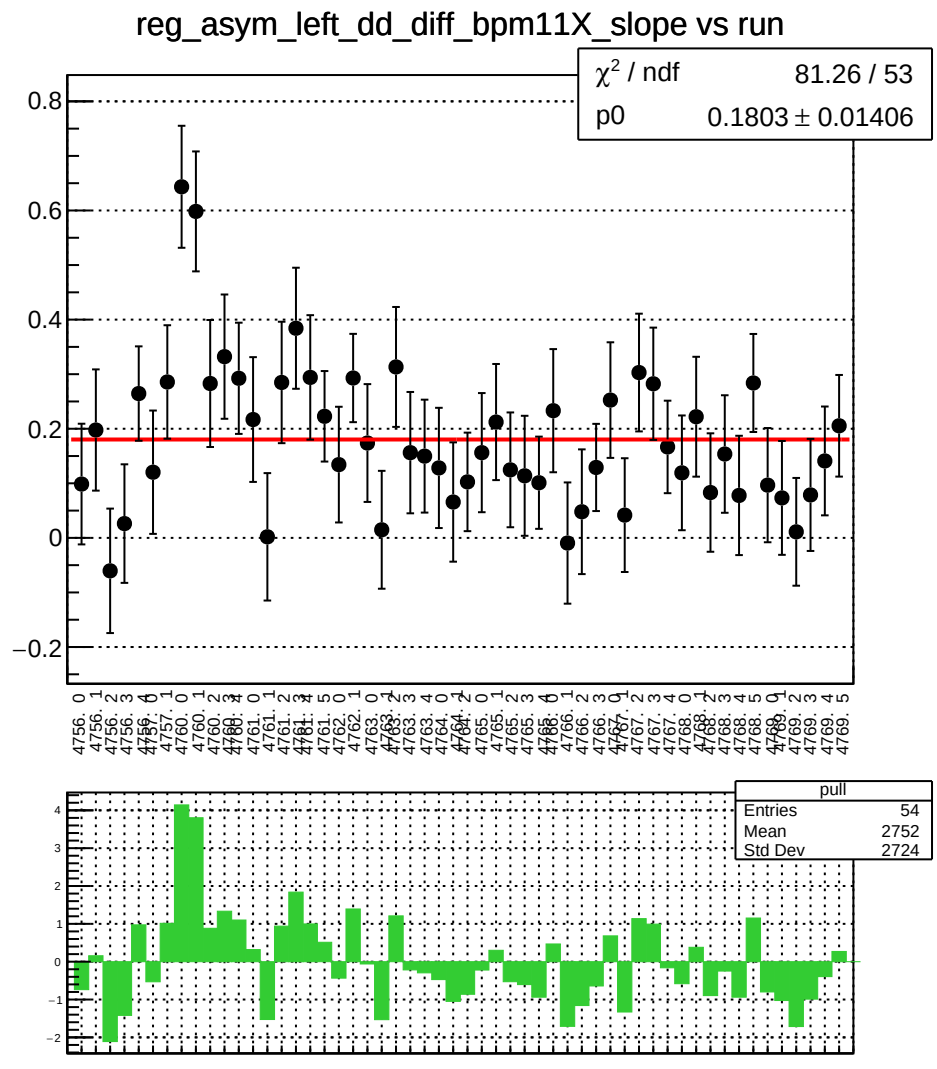

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.71 / 53
p0 0.7665 ± 0.05311
pull
Entries 54
Mean −111.2
Std Dev 138.2

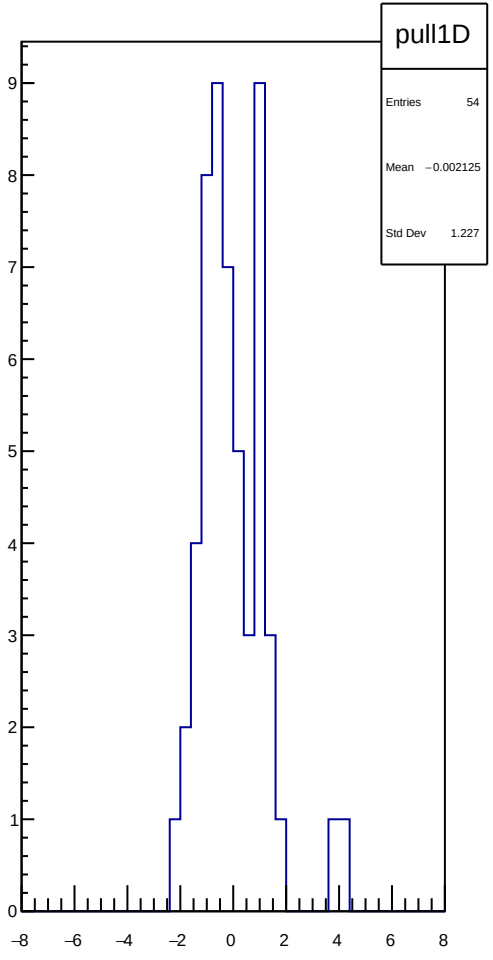

pull1D
Entries 54
Mean 0.01823
Std Dev 0.7661

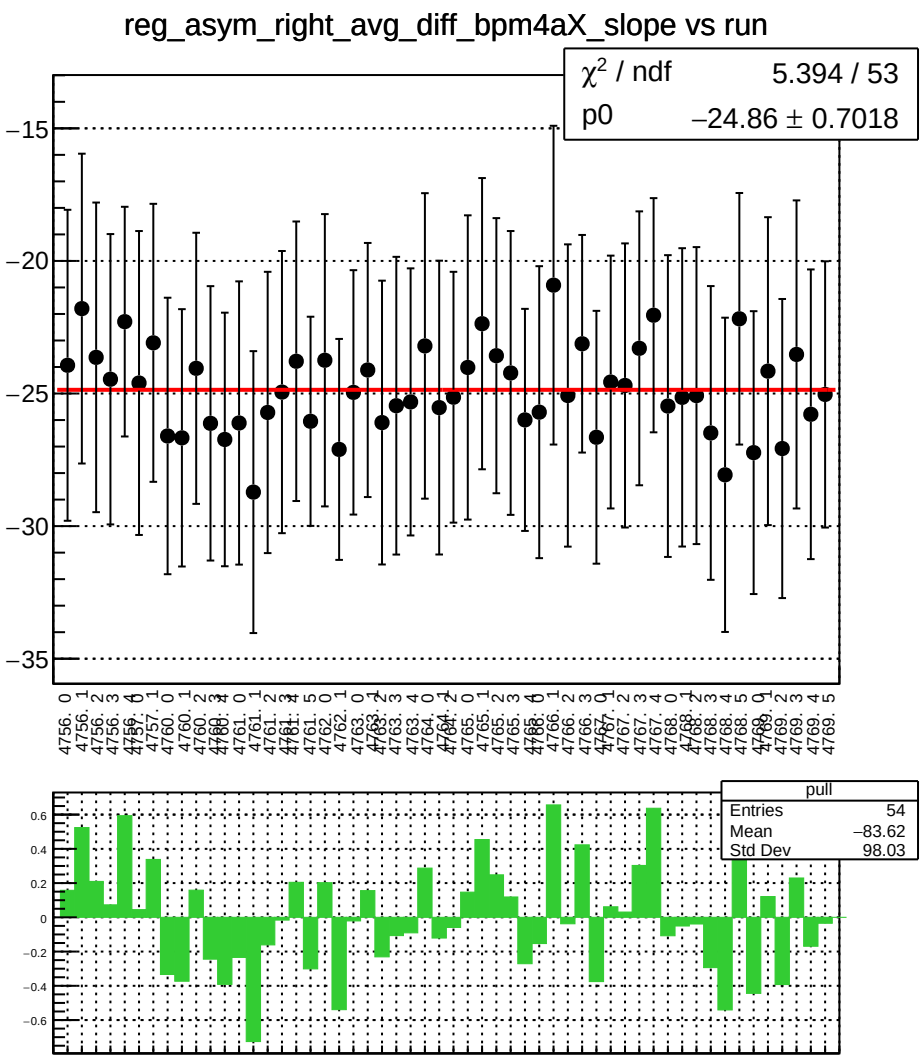

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.23 / 53
p0 1.771± 0.008877
pull
Entries 54
Mean −181
Std Dev 205.1
pull1D
Entries 54
Mean 0.01396
Std Dev 1.091

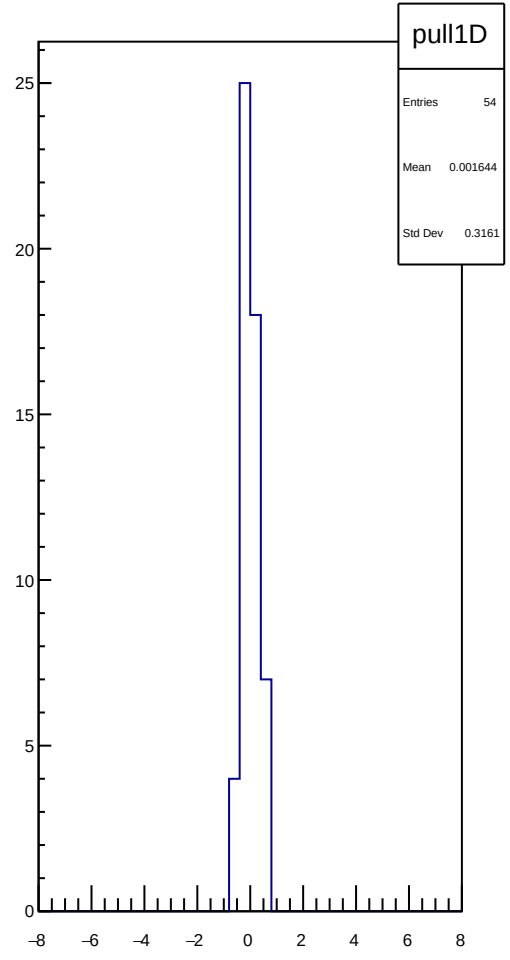

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.2 / 53
p0 −0.5839 ± 0.06271
pull
Entries 54
Mean −97.93
Std Dev 123.9

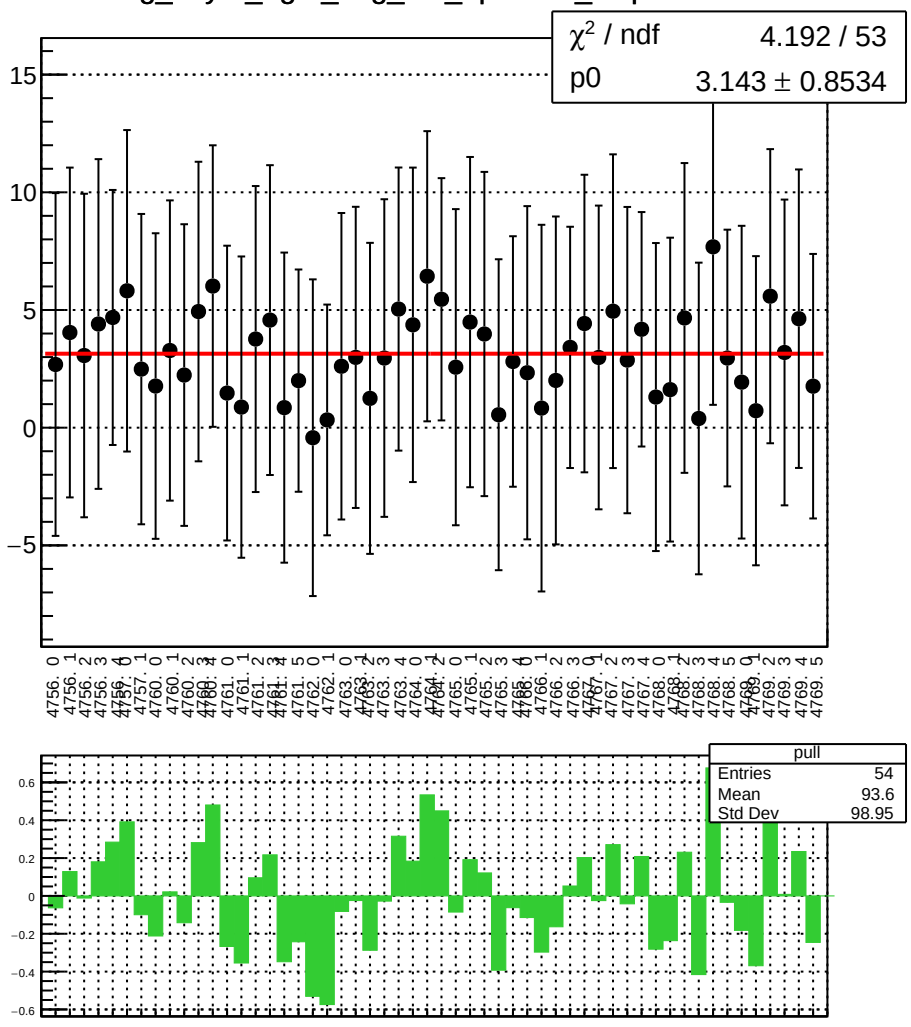

pull1D
Entries 54
Mean −0.01171
Std Dev 0.7478

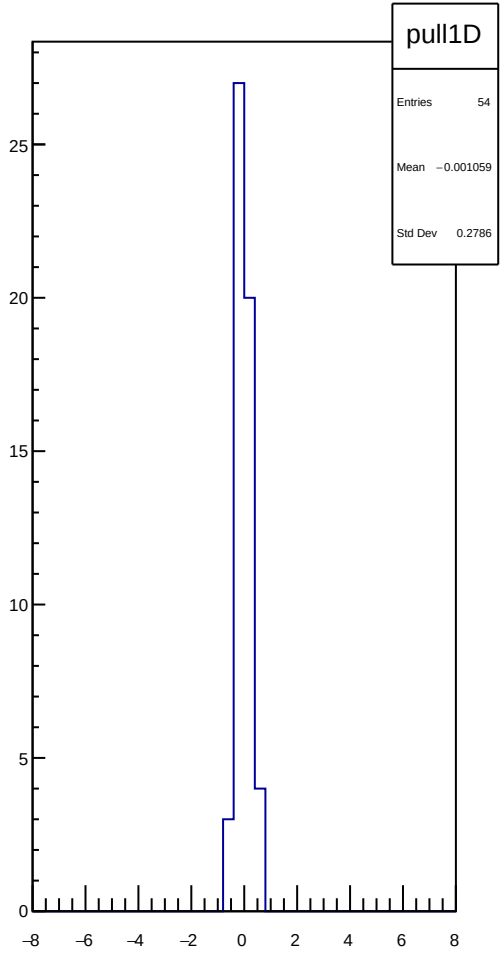

reg_asym_left_dd_diff_bpm11X_slope vs run
χ² / ndf 81.26 / 53
p0 0.1803 ± 0.01406
pull
Entries 54
Mean 2752
Std Dev 2724

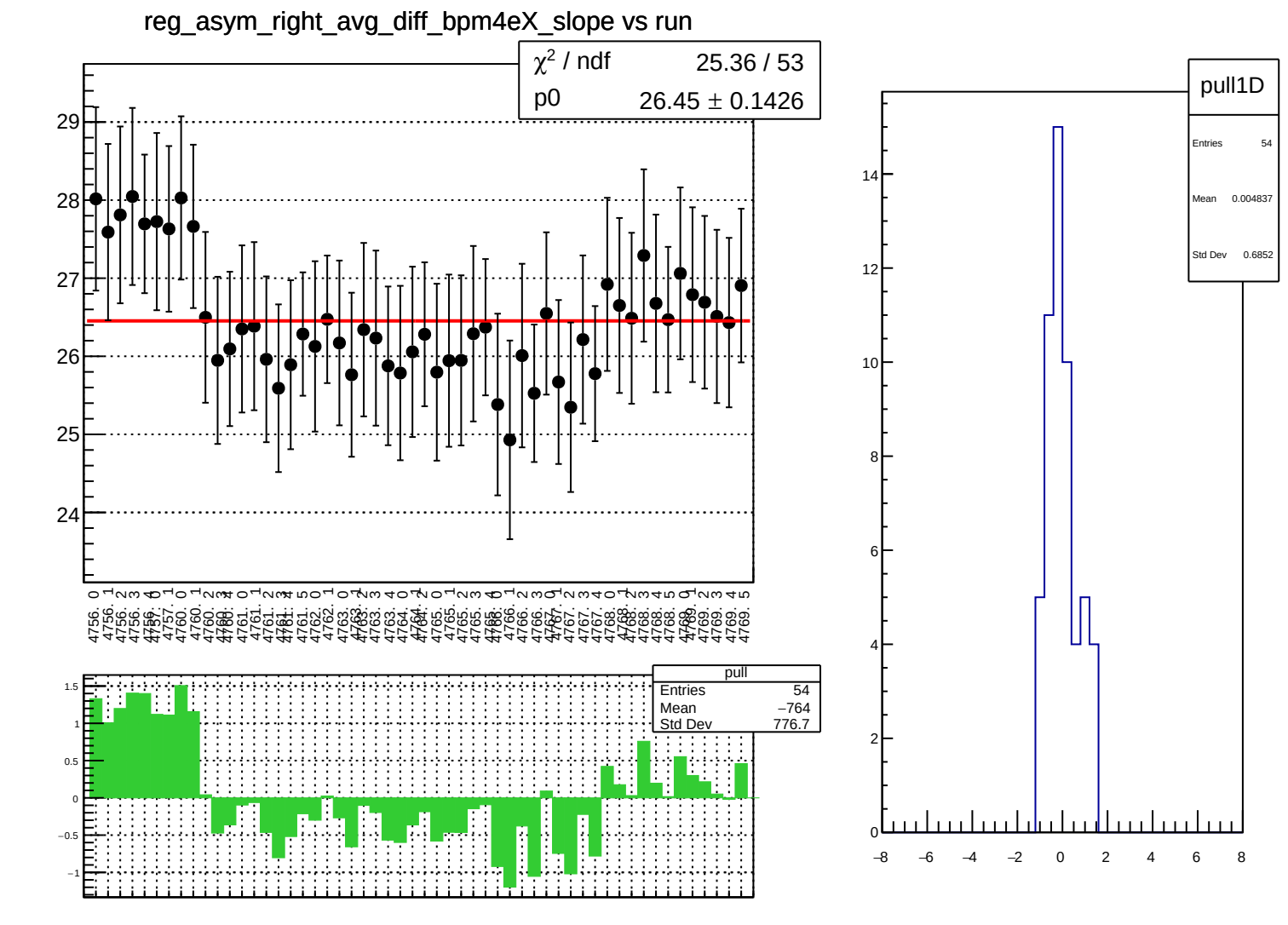

pull1D
Entries 54
Mean −0.002125
Std Dev 1.227

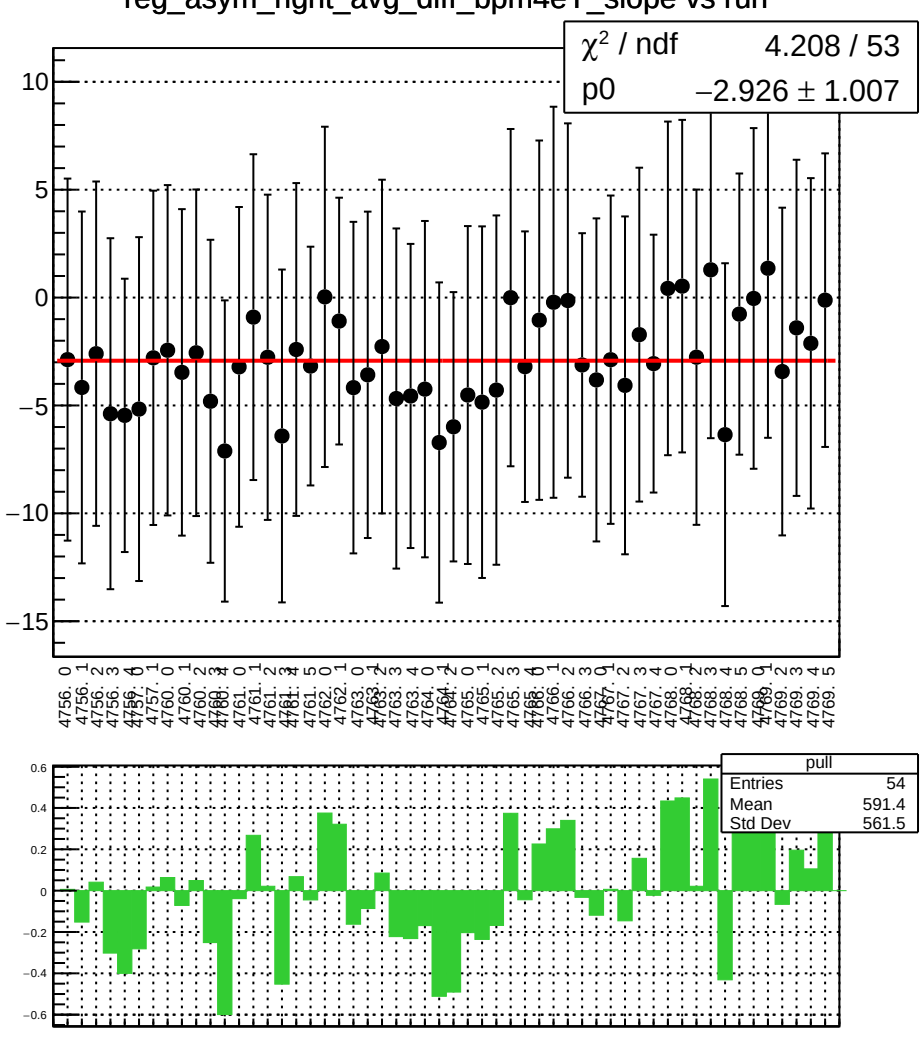

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.394 / 53
p0 −24.86 ± 0.7018
pull
Entries 54
Mean −83.62
Std Dev 98.03

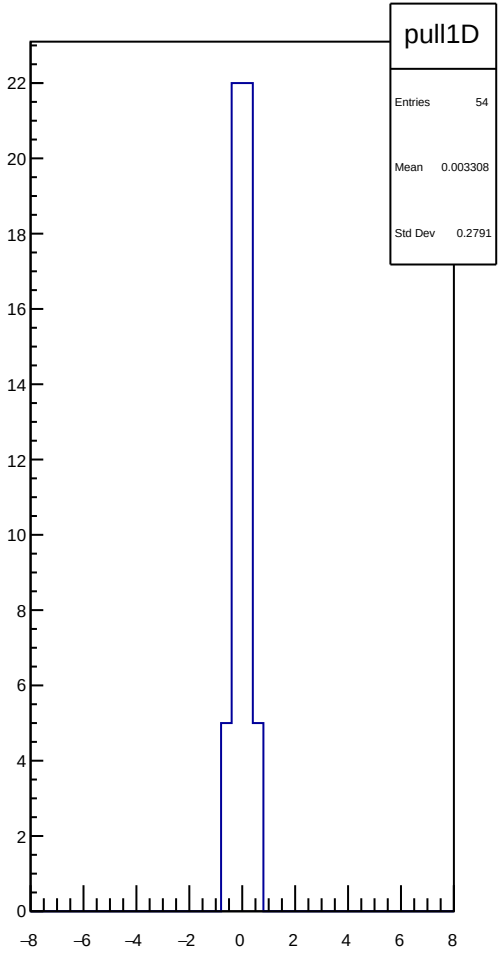

pull1D
Entries 54
Mean 0.001644
Std Dev 0.3161

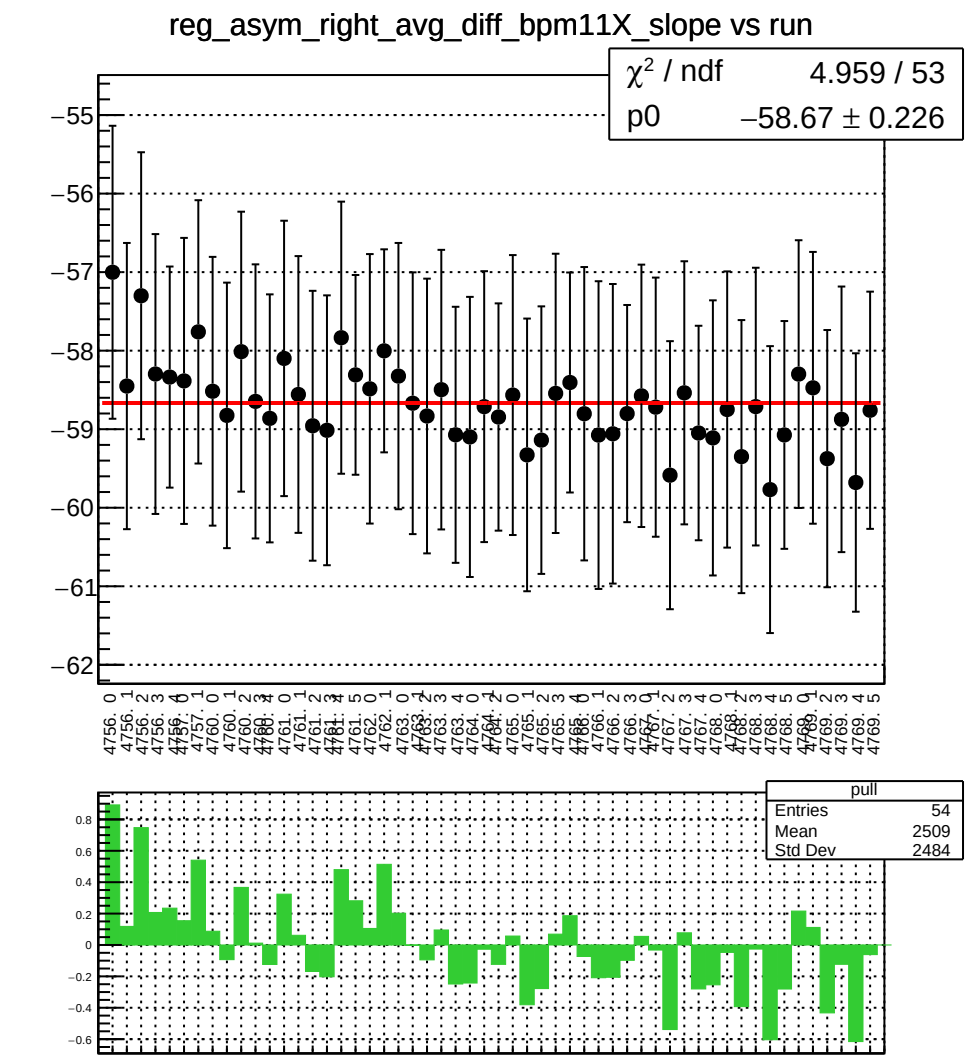

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.192 / 53
p0 3.143 ± 0.8534
pull
Entries 54
Mean 93.6
Std Dev 98.95

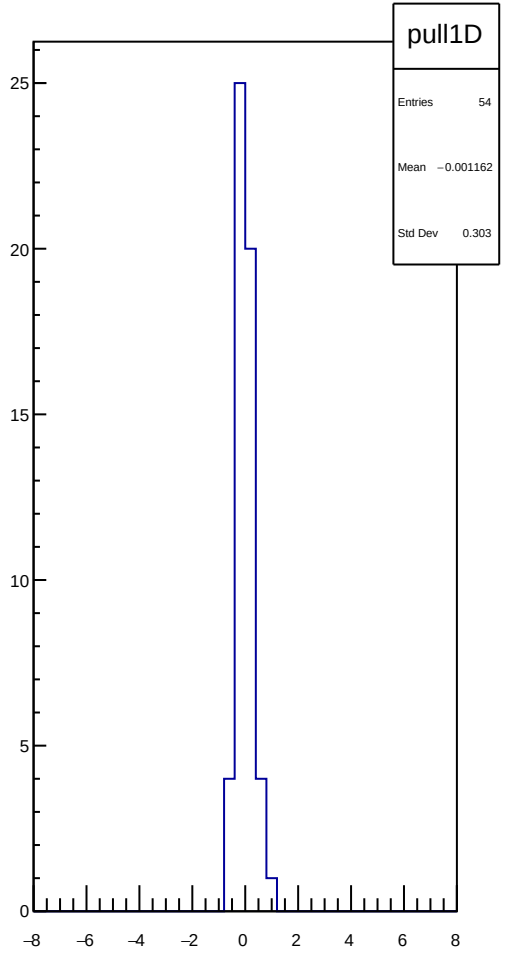

pull1D
Entries 54
Mean −0.001059
Std Dev 0.2786

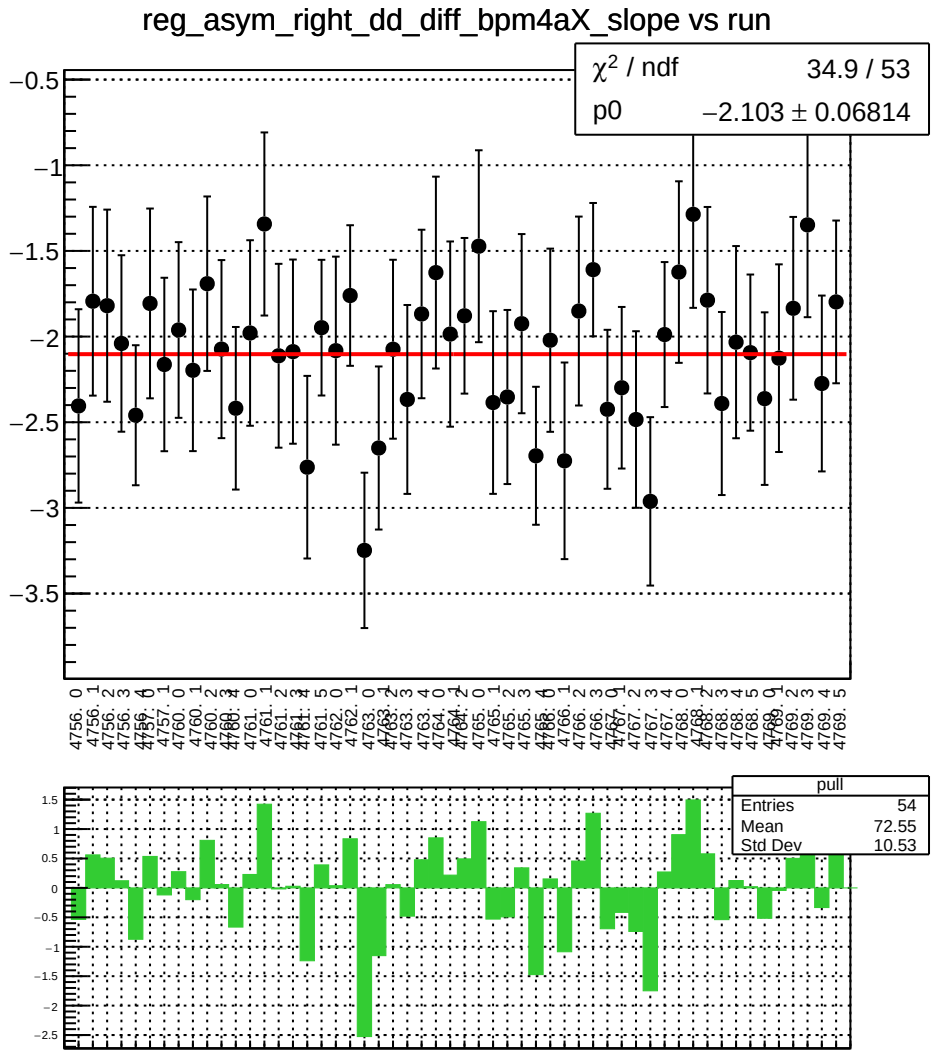

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.36 / 53
p0 26.45 ± 0.1426
pull
Entries 54
Mean −764
Std Dev 776.7
pull1D
Entries 54
Mean 0.004837
Std Dev 0.6852

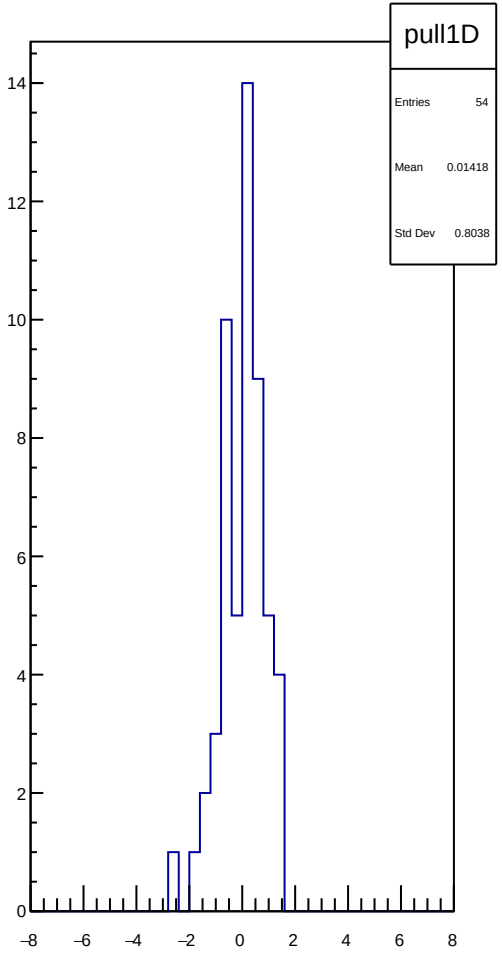

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.208 / 53
p0 −2.926 ± 1.007
pull
Entries 54
Mean 591.4
Std Dev 561.5

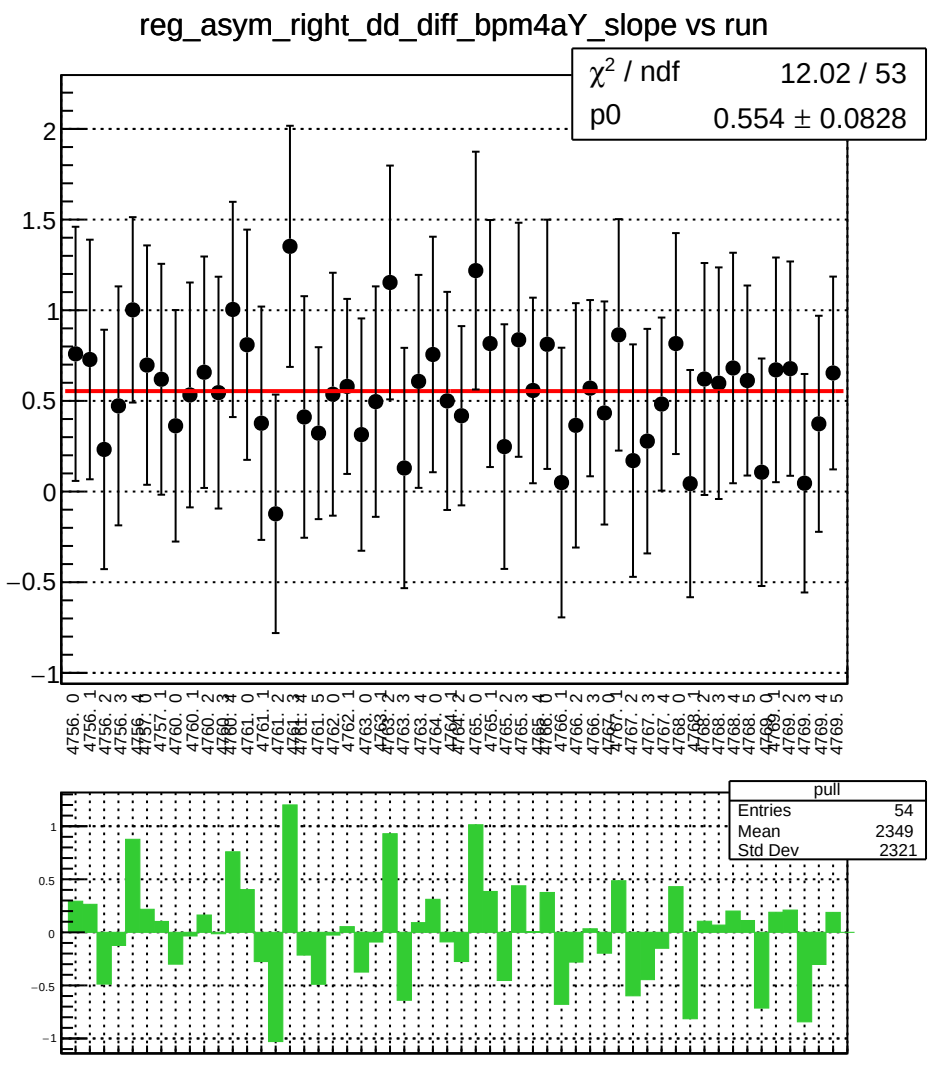

pull1D
Entries 54
Mean 0.003308
Std Dev 0.2791

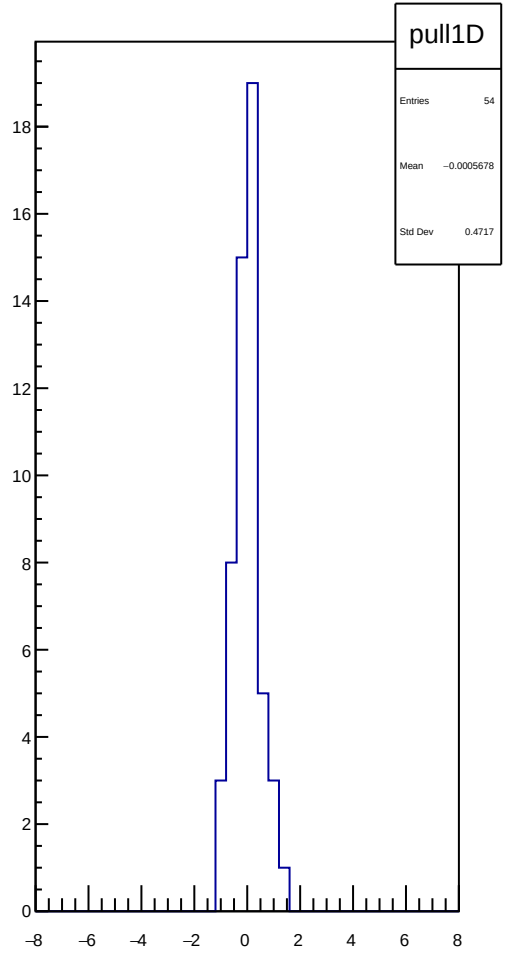

reg_asym_right_avg_diff_bpm11X_slope vs run
χ² / ndf 4.959 / 53
p0 −58.67 ± 0.226
pull
Entries 54
Mean 2509
Std Dev 2484

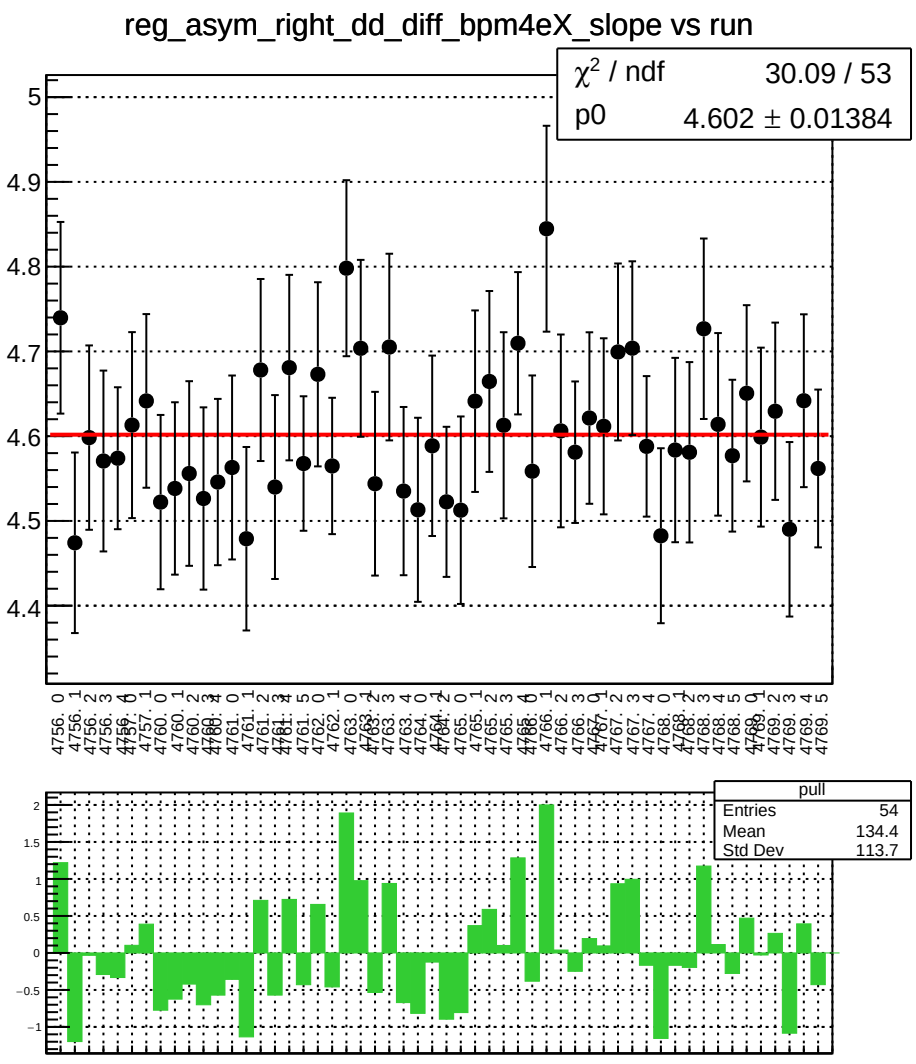

pull1D
Entries 54
Mean −0.001162
Std Dev 0.303

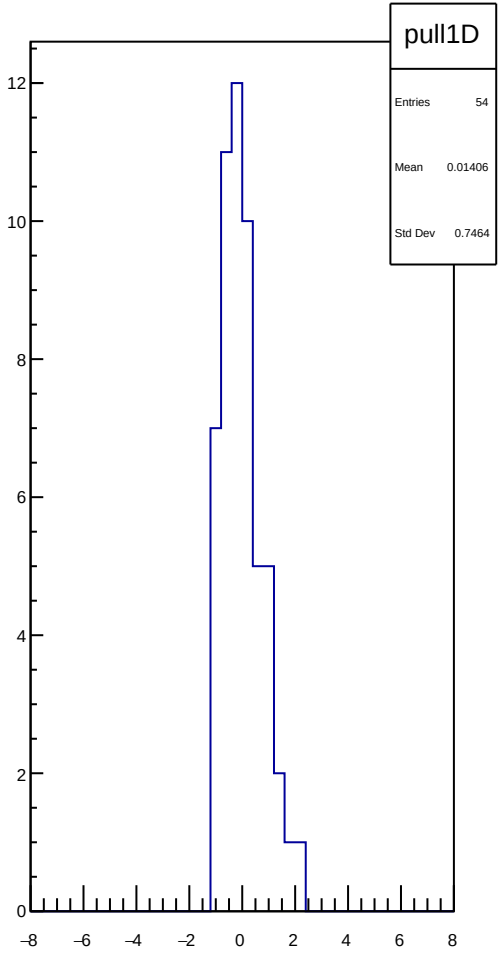

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.9 / 53
p0 −2.103 ± 0.06814
pull
Entries 54
Mean 72.55
Std Dev 10.53

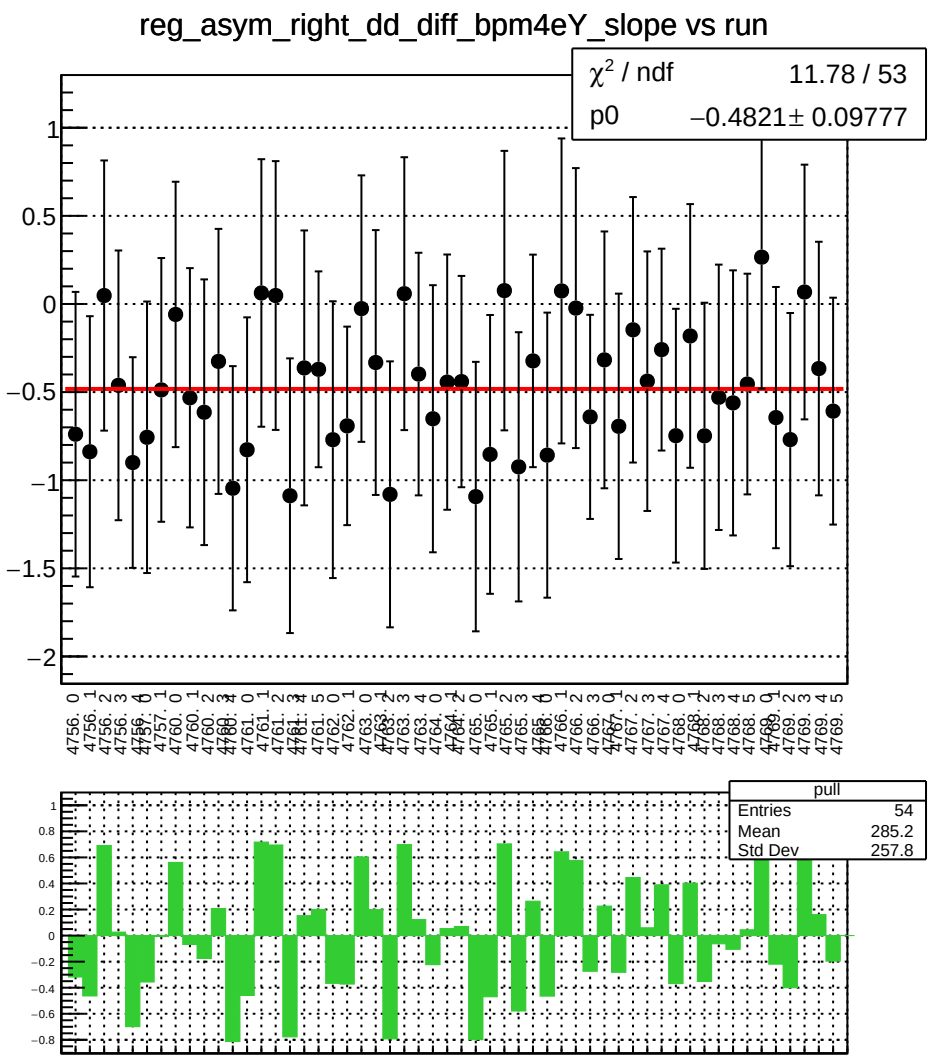

pull1D
Entries 54
Mean 0.01418
Std Dev 0.8038

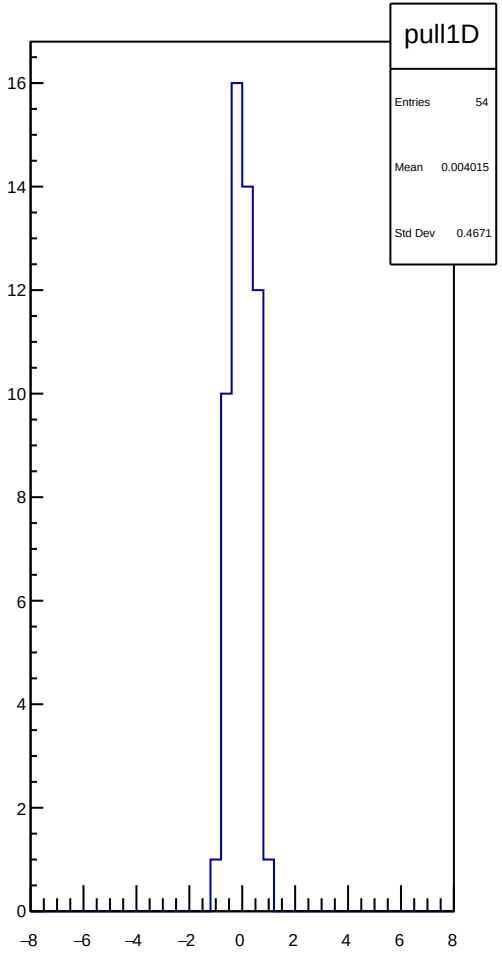

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.02 / 53
p0 0.554 ± 0.0828
pull
Entries 54
Mean 2349
Std Dev 2321

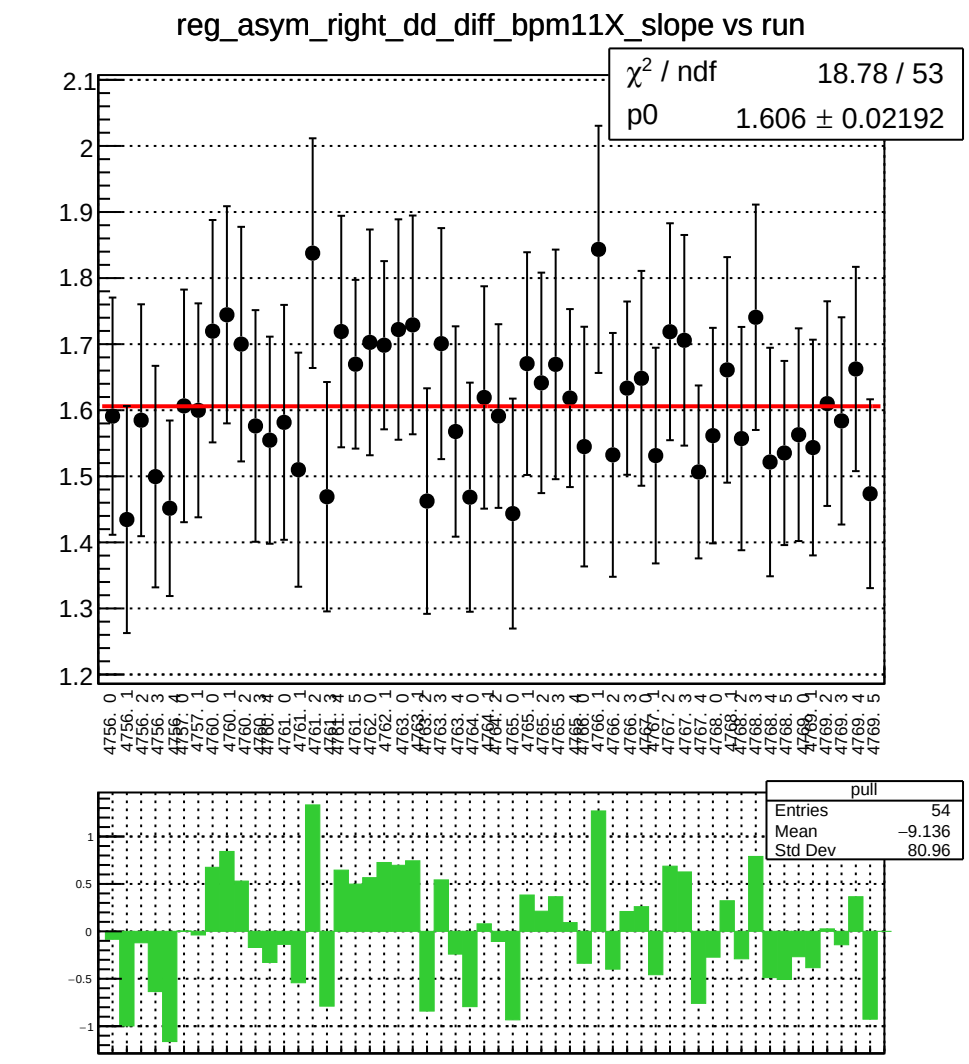

pull1D
Entries 54
Mean −0.0005678
Std Dev 0.4717

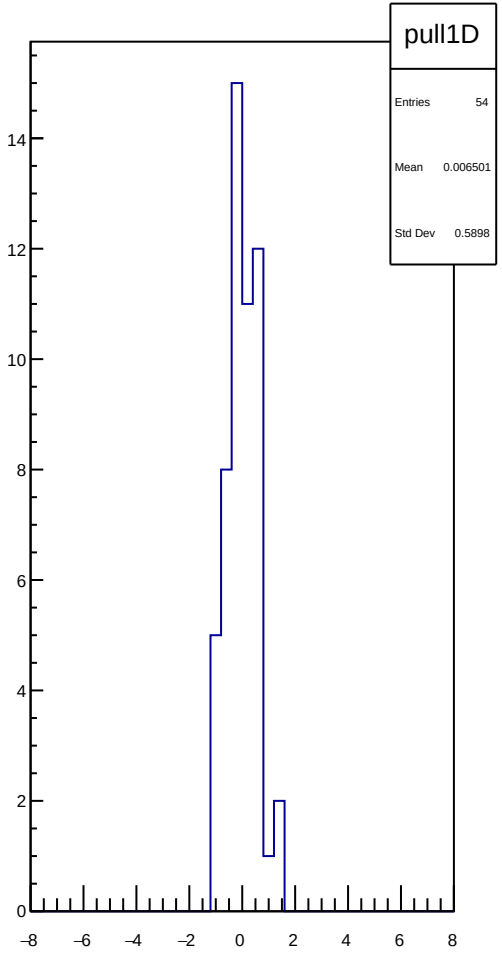

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.09 / 53
p0 4.602 ± 0.01384
pull
Entries 54
Mean 134.4
Std Dev 113.7

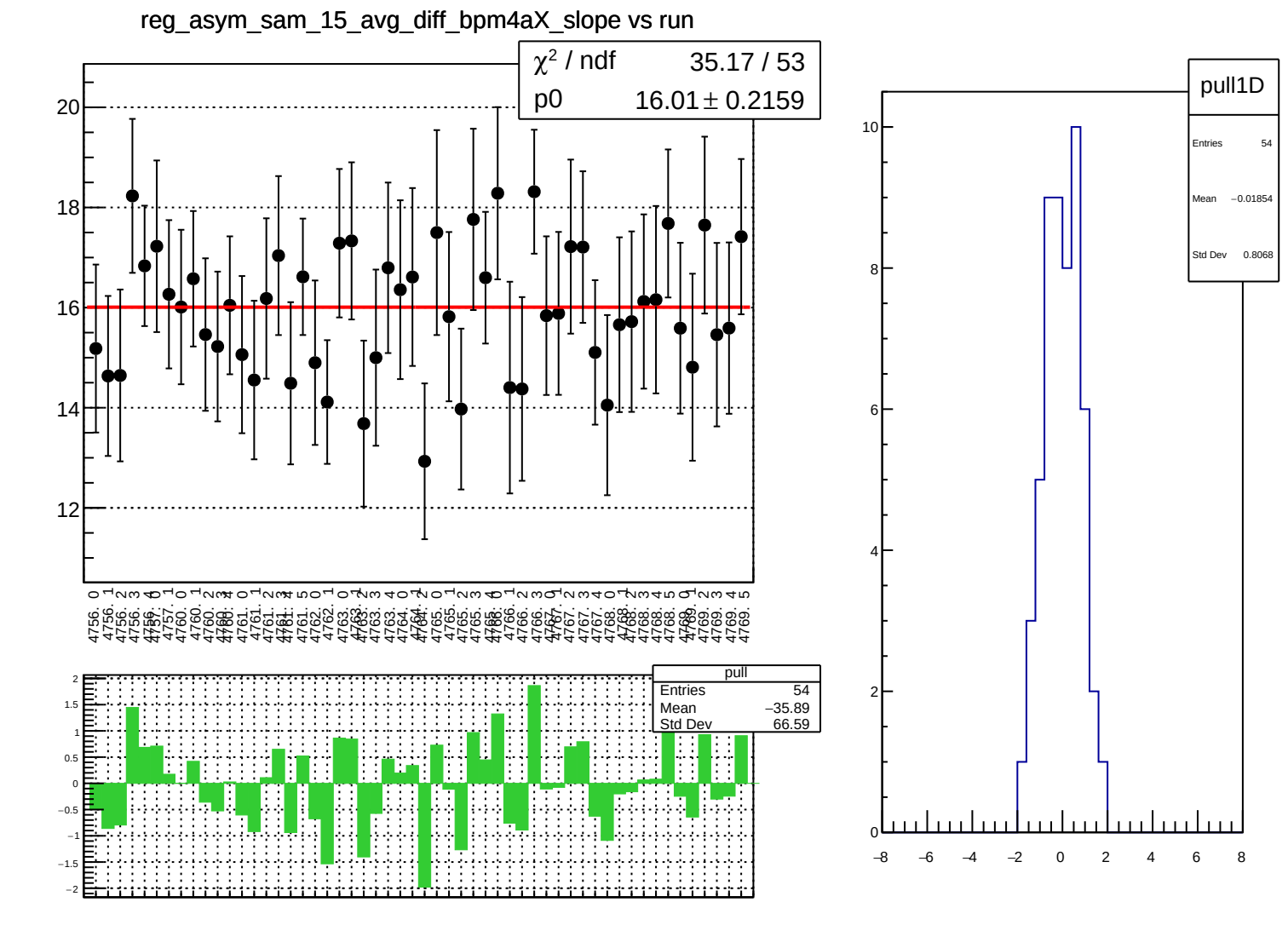

pull1D
Entries 54
Mean 0.01406
Std Dev 0.7464

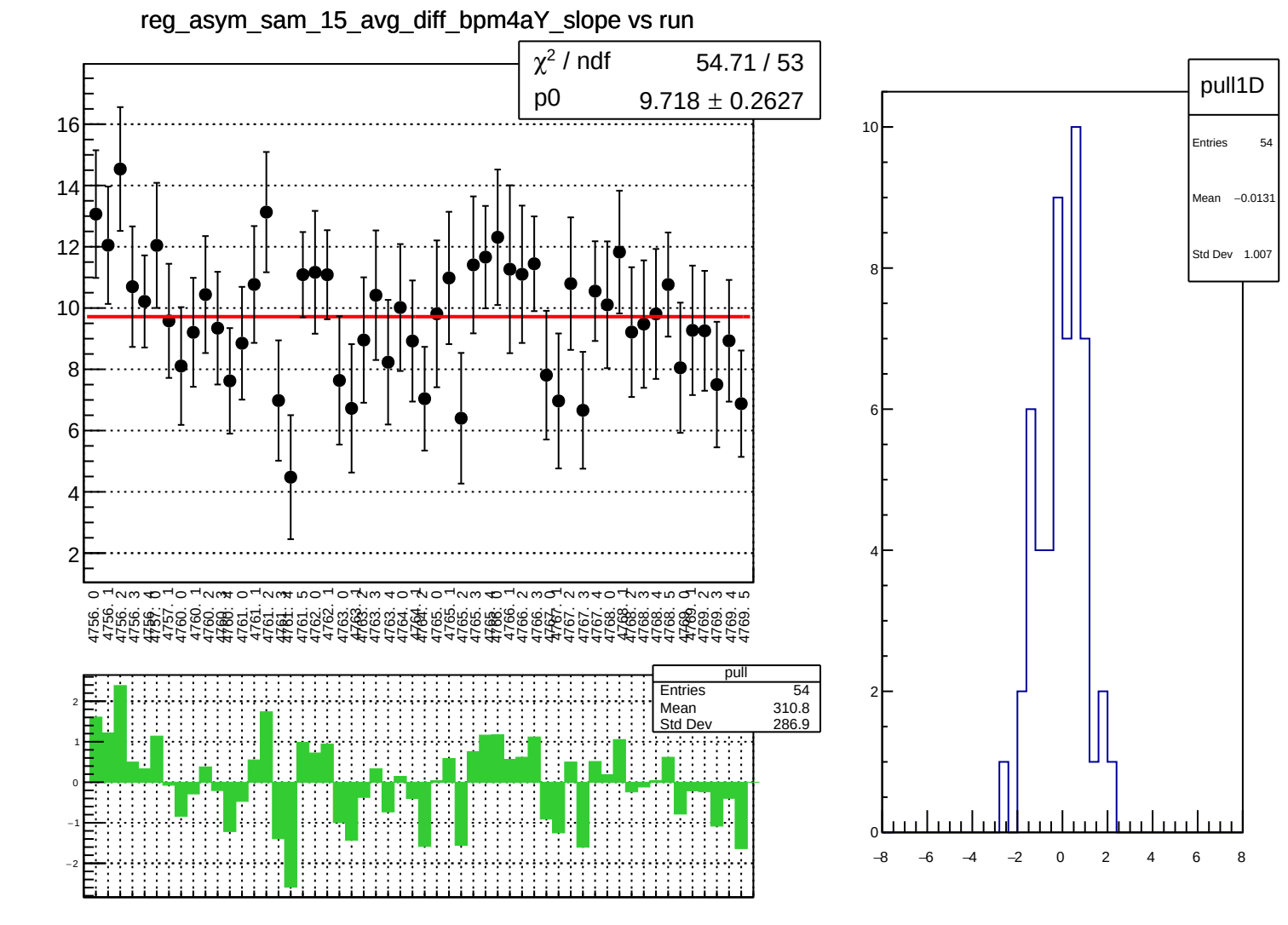

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.78 / 53
p0 −0.4821± 0.09777
pull
Entries 54
Mean 285.2
Std Dev 257.8

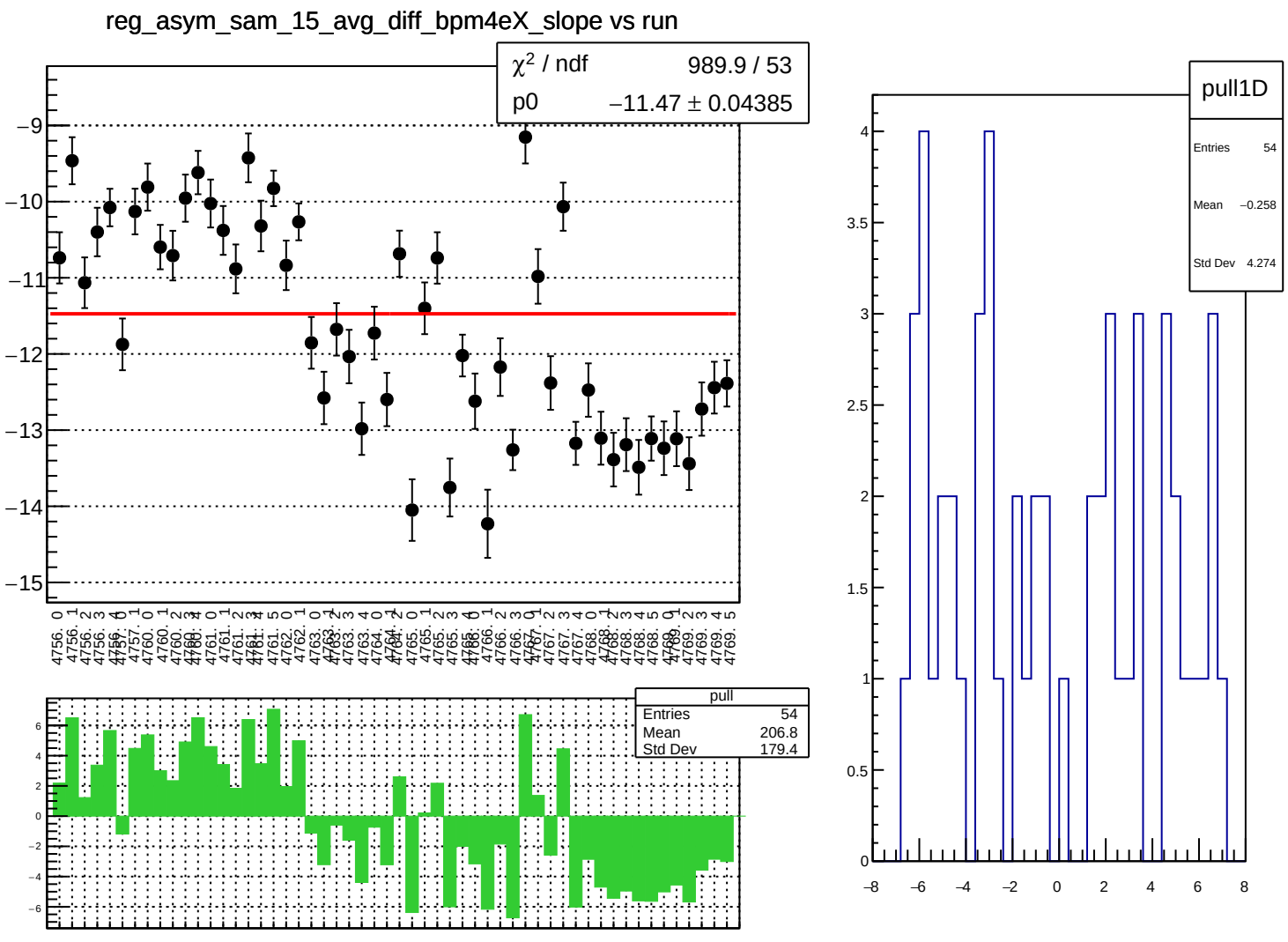

pull1D
Entries 54
Mean 0.004015
Std Dev 0.4671

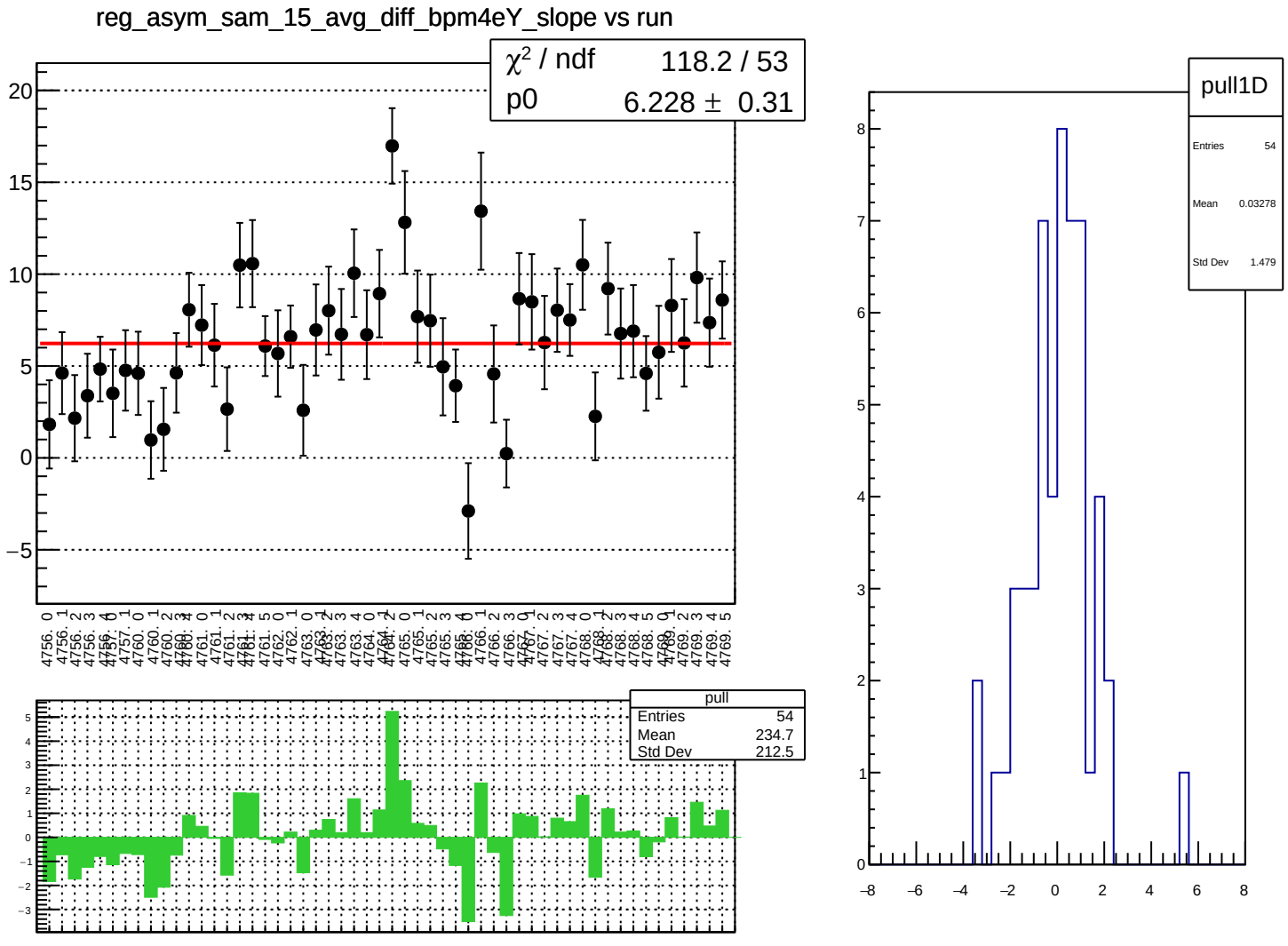

reg_asym_right_dd_diff_bpm11X_slope vs run
χ² / ndf 18.78 / 53
p0 1.606 ± 0.02192
pull
Entries 54
Mean −9.136
Std Dev 80.96

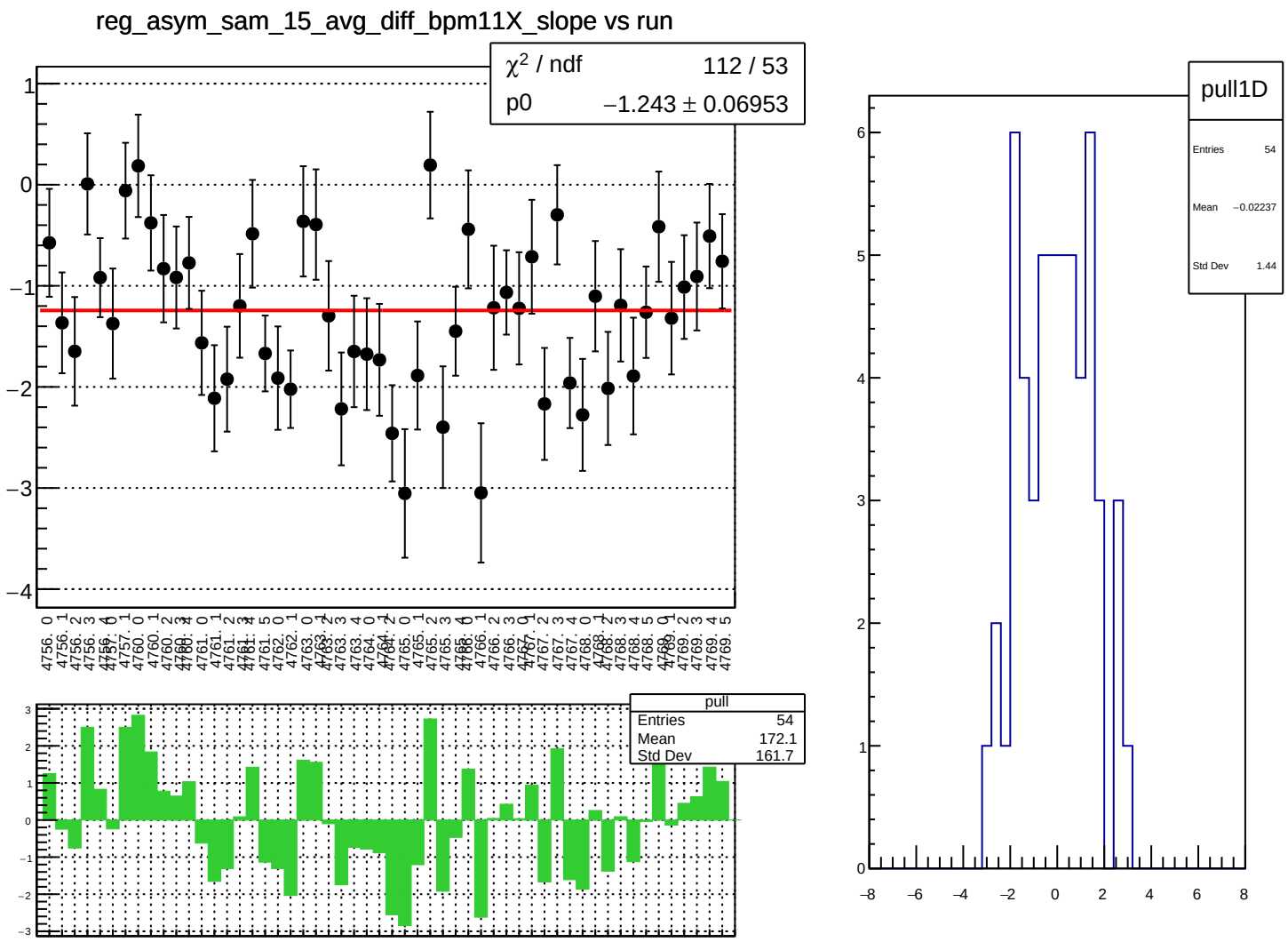

pull1D
Entries 54
Mean 0.006501
Std Dev 0.5898

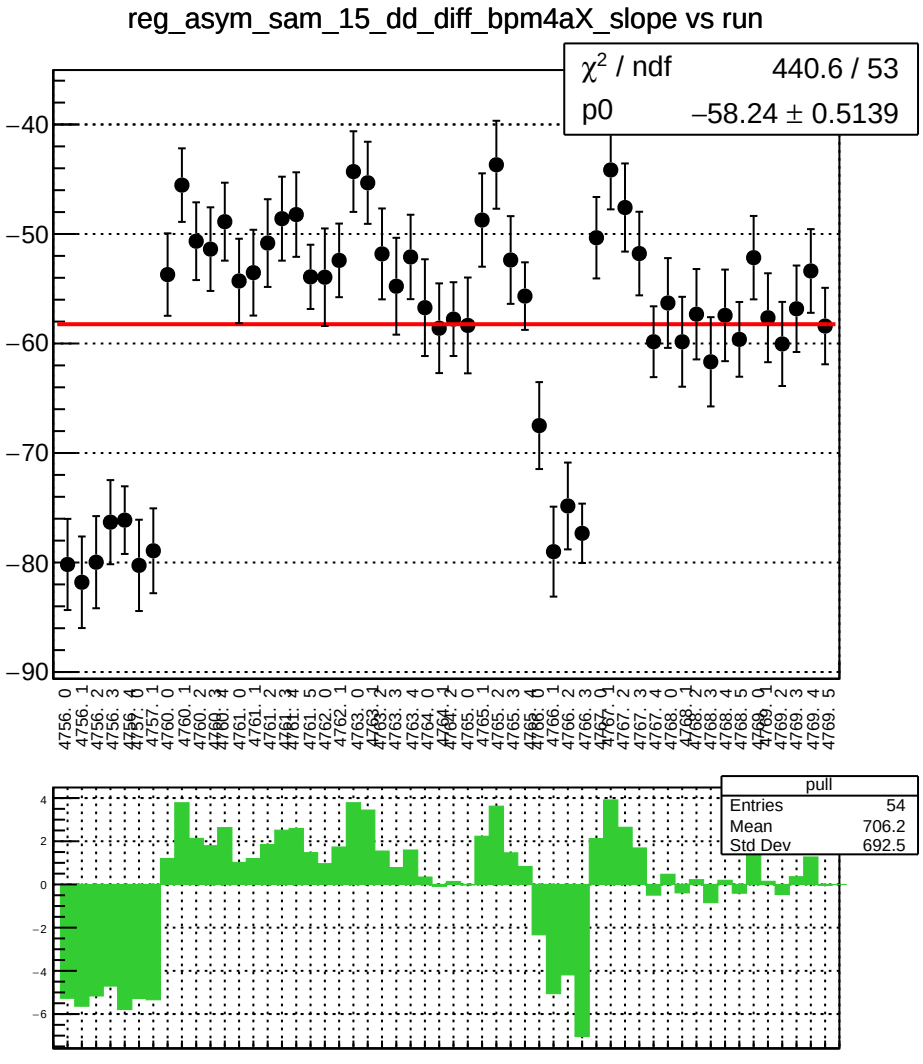

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 35.17 / 53
p0 16.01 ± 0.2159
pull
Entries 54
Mean −35.89
Std Dev 66.59
pull1D
Entries 54
Mean −0.01854
Std Dev 0.8068

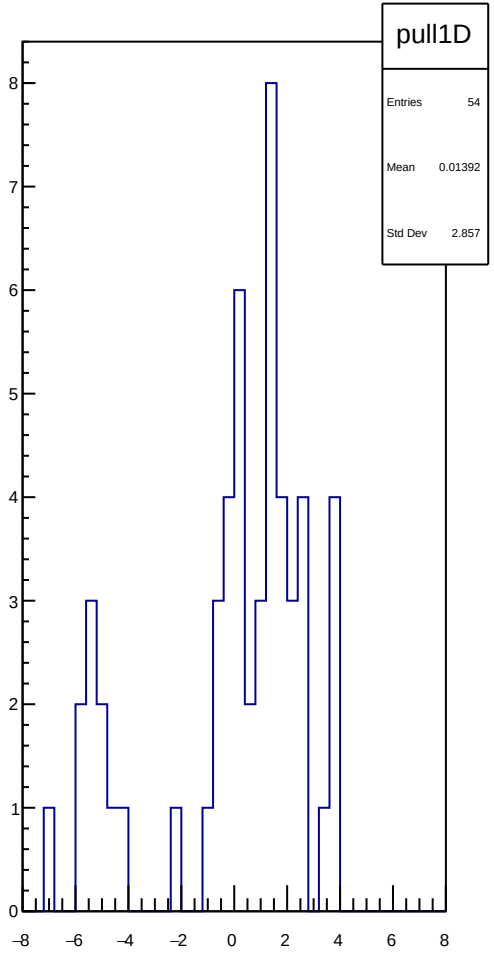

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.71 / 53
p0 9.718 ± 0.2627
pull
Entries 54
Mean 310.8
Std Dev 286.9
pull1D
Entries 54
Mean −0.0131
Std Dev 1.007

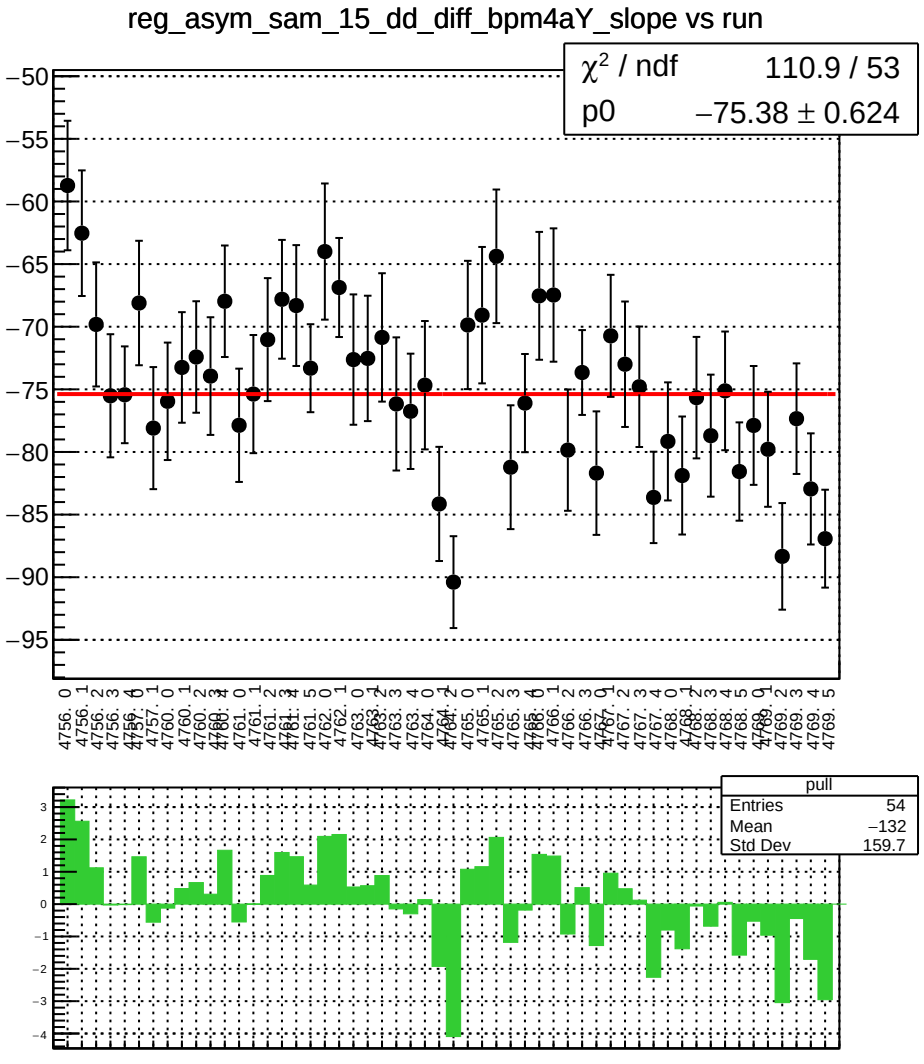

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 989.9 / 53
p0 −11.47 ± 0.04385
pull
Entries 54
Mean 206.8
Std Dev 179.4
pull1D
Entries 54
Mean −0.258
Std Dev 4.274

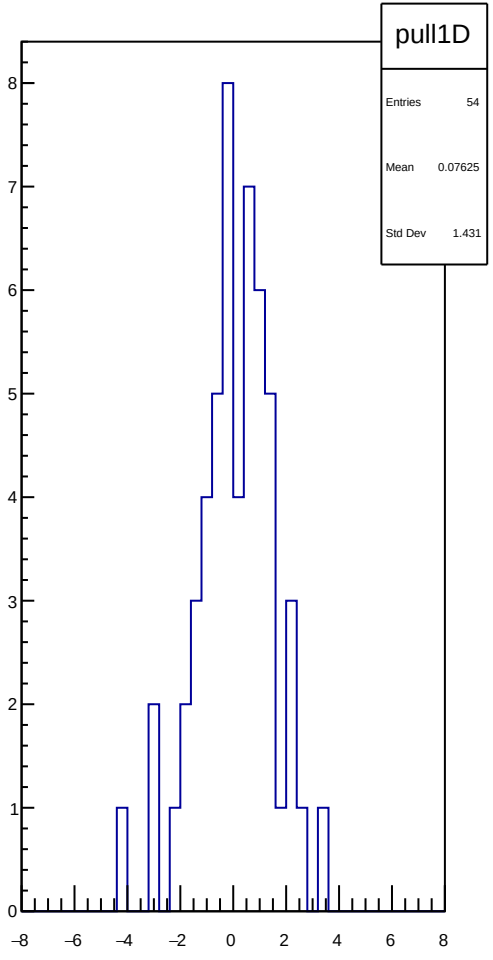

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 118.2 / 53
p0 6.228 ± 0.31
pull
Entries 54
Mean 234.7
Std Dev 212.5
pull1D
Entries 54
Mean 0.03278
Std Dev 1.479

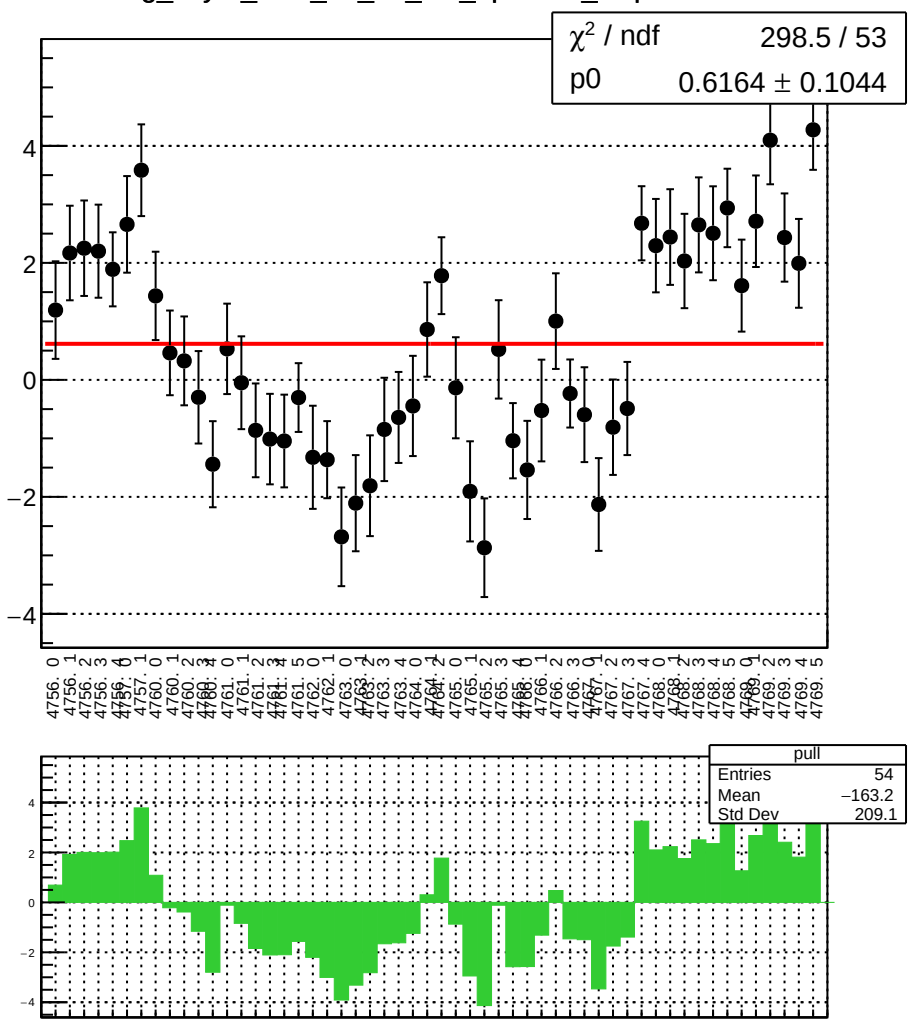

reg_asym_sam_15_avg_diff_bpm11X_slope vs run
χ² / ndf 112 / 53
p0 −1.243 ± 0.06953
pull
Entries 54
Mean 172.1
Std Dev 161.7
pull1D
Entries 54
Mean −0.02237
Std Dev 1.44

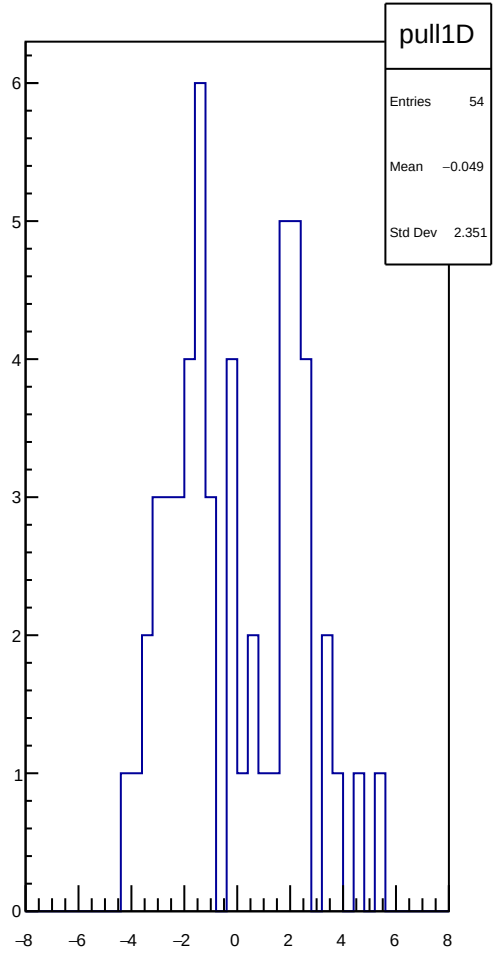

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 440.6 / 53
p0 −58.24 ± 0.5139
pull
Entries 54
Mean 706.2
Std Dev 692.5

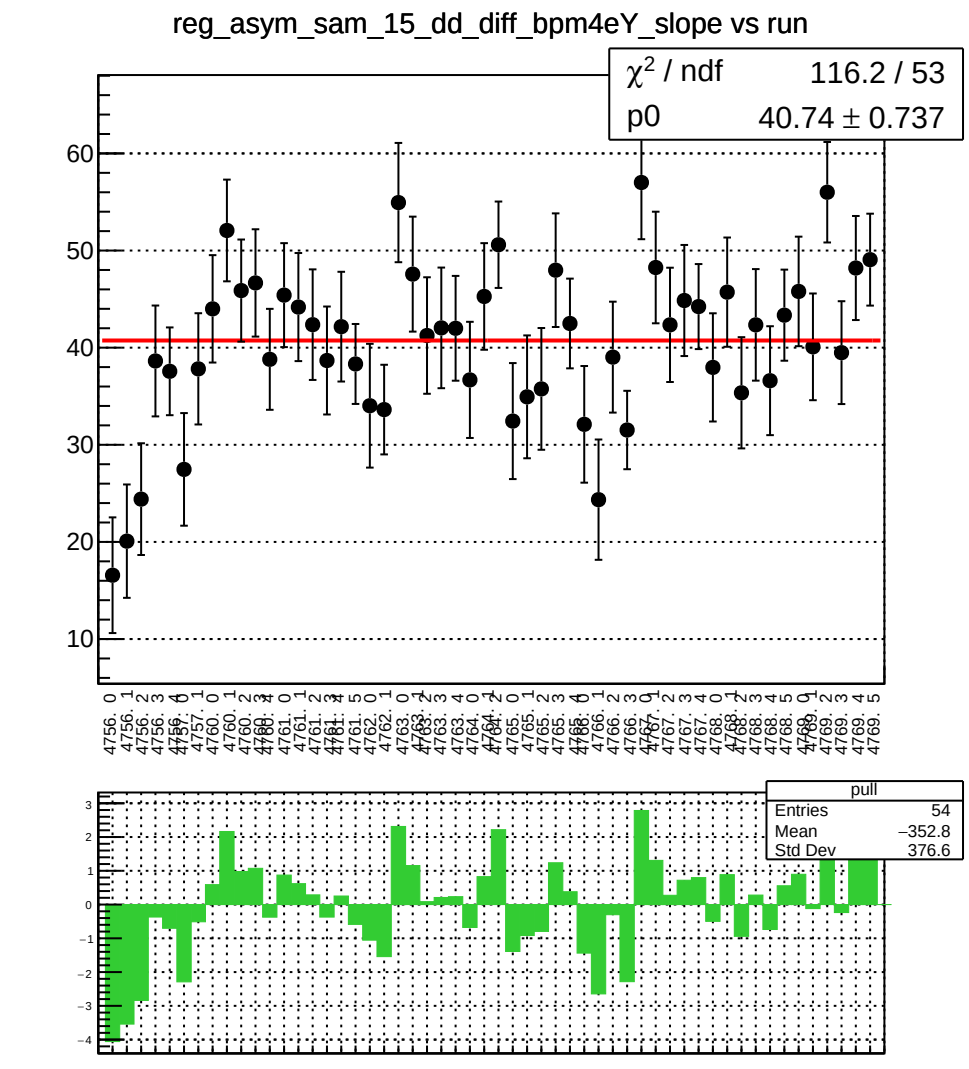

pull1D
Entries 54
Mean 0.01392
Std Dev 2.857

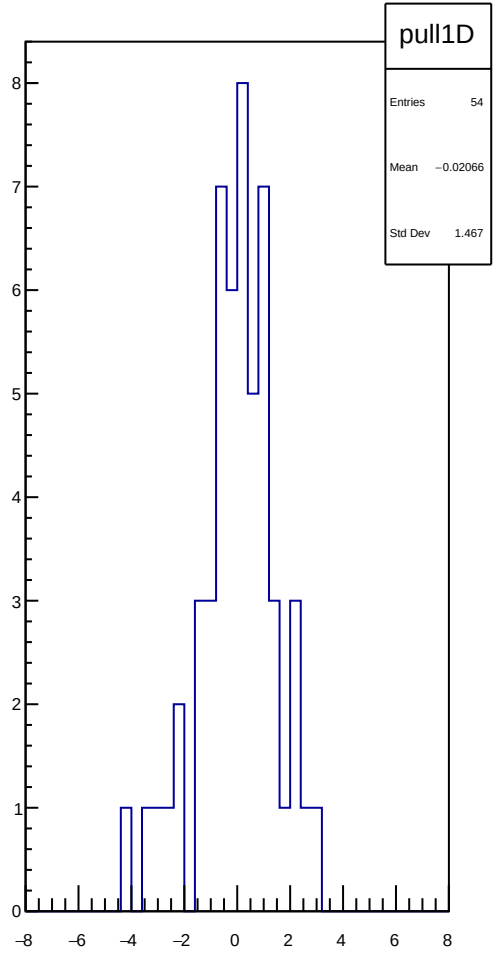

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 110.9 / 53
p0 −75.38 ± 0.624
pull
Entries 54
Mean −132
Std Dev 159.7

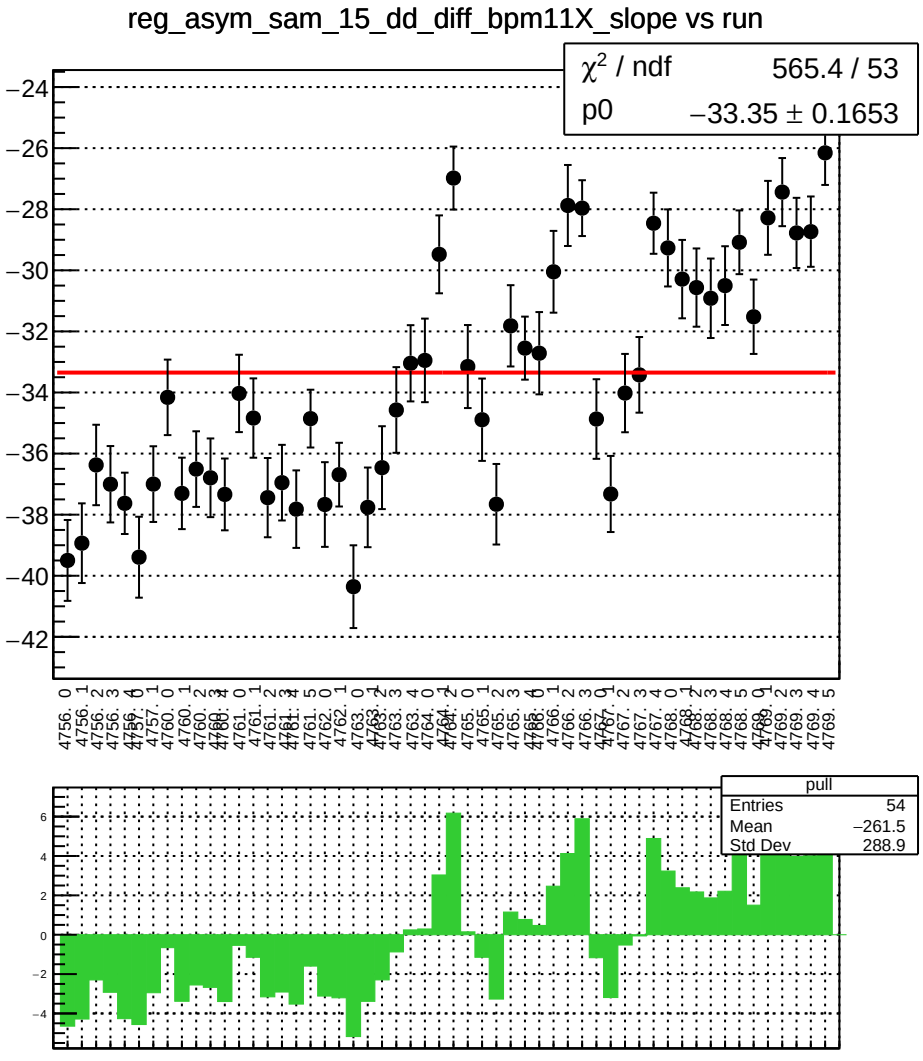

pull1D
Entries 54
Mean 0.07625
Std Dev 1.431

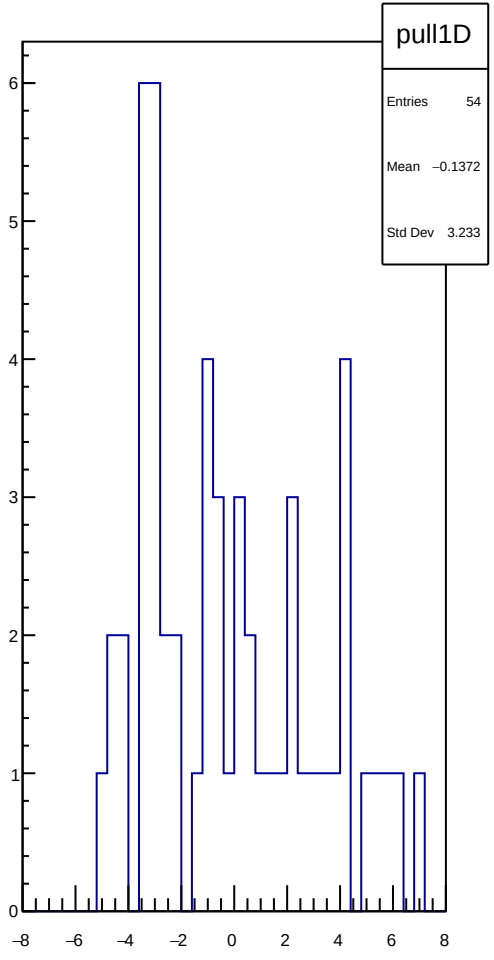

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 298.5 / 53
p0 0.6164 ± 0.1044
pull
Entries 54
Mean −163.2
Std Dev 209.1

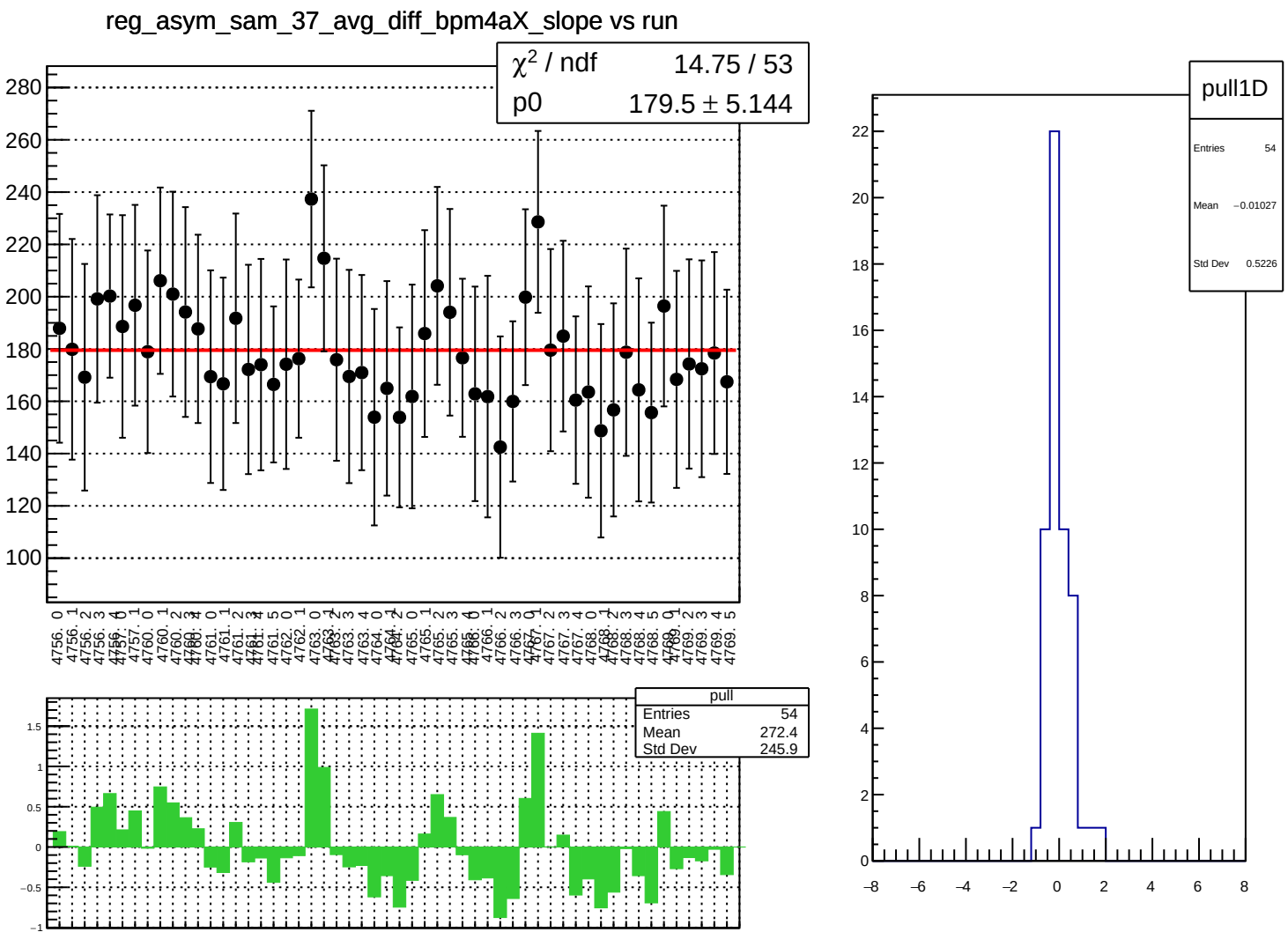

pull1D
Entries 54
Mean −0.049
Std Dev 2.351

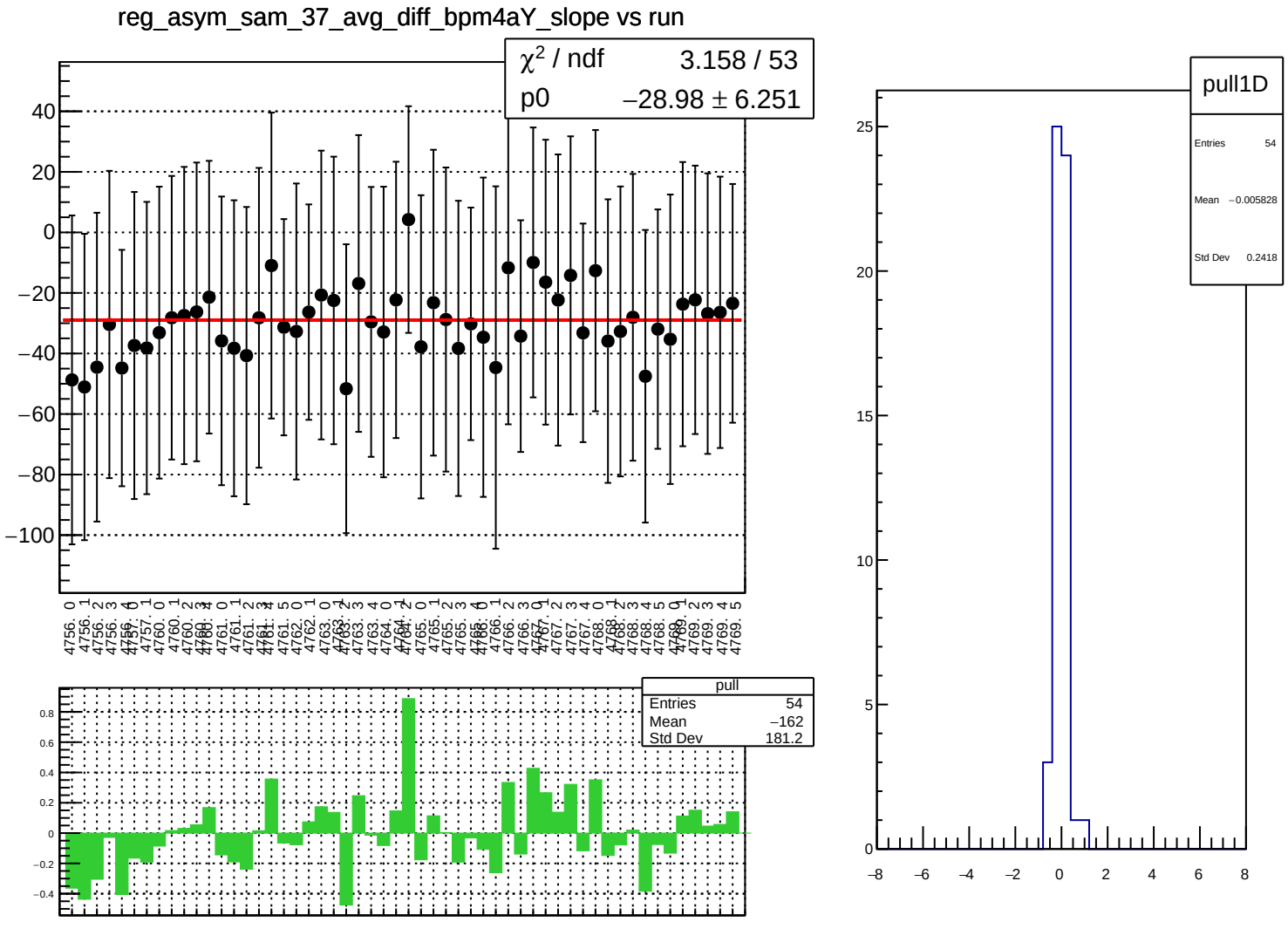

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 116.2 / 53
p0 40.74 ± 0.737
pull
Entries 54
Mean −352.8
Std Dev 376.6

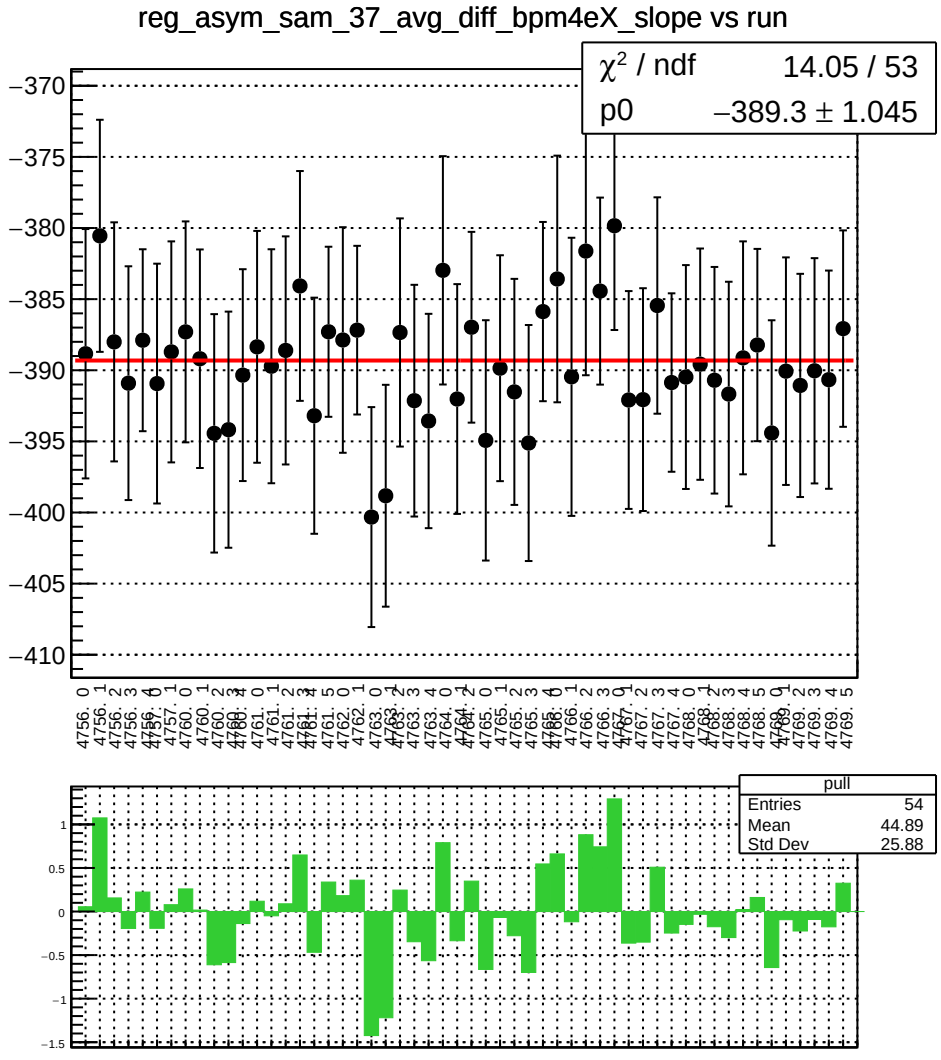

pull1D
Entries 54
Mean −0.02066
Std Dev 1.467

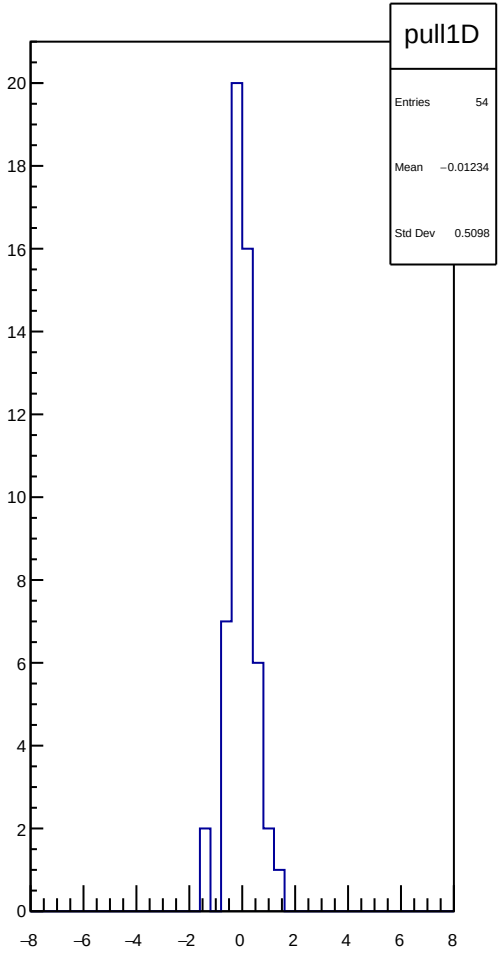

reg_asym_sam_15_dd_diff_bpm11X_slope vs run
χ² / ndf 565.4 / 53
p0 −33.35 ± 0.1653
pull
Entries 54
Mean −261.5
Std Dev 288.9

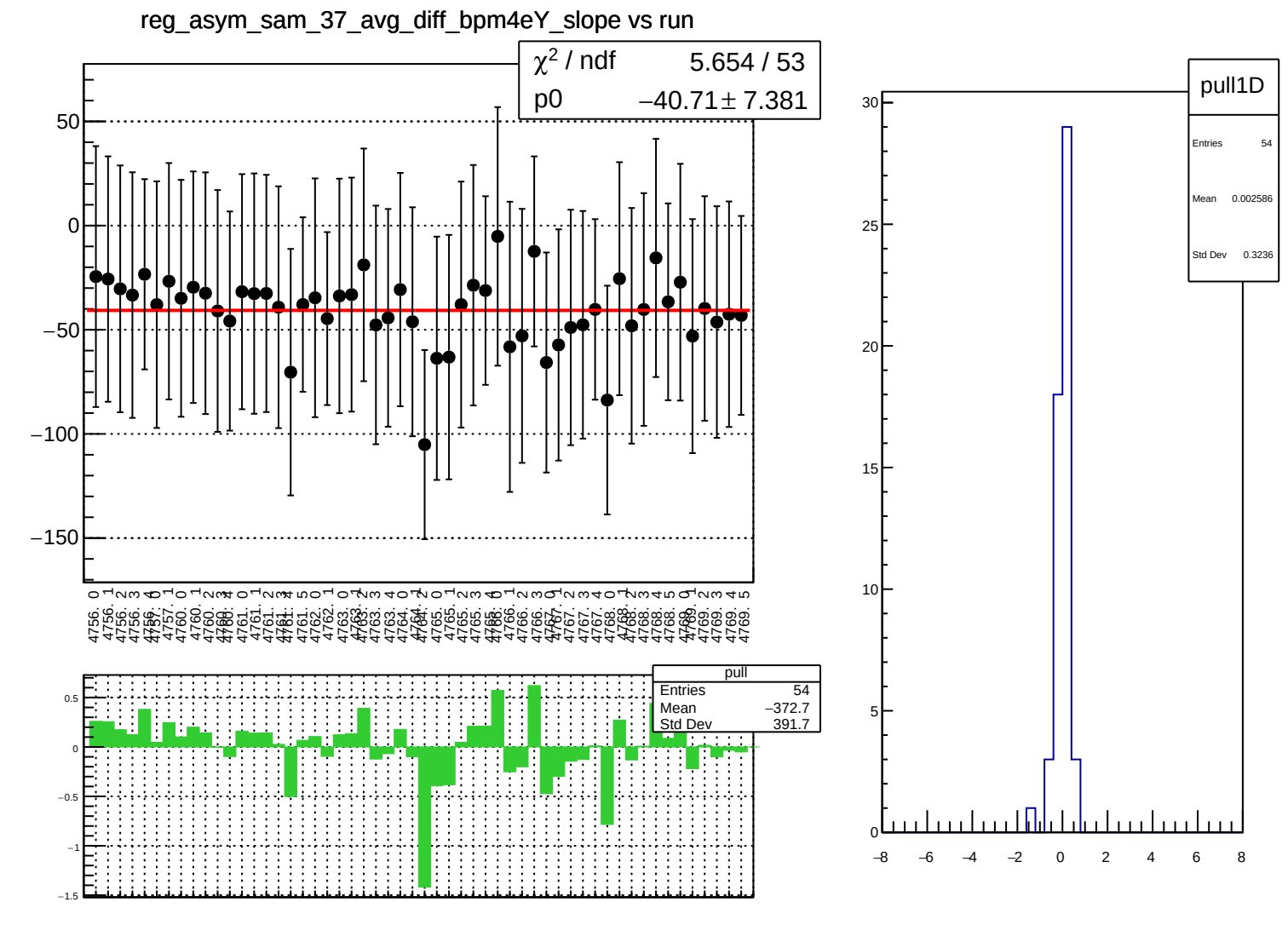

pull1D
Entries 54
Mean −0.1372
Std Dev 3.233

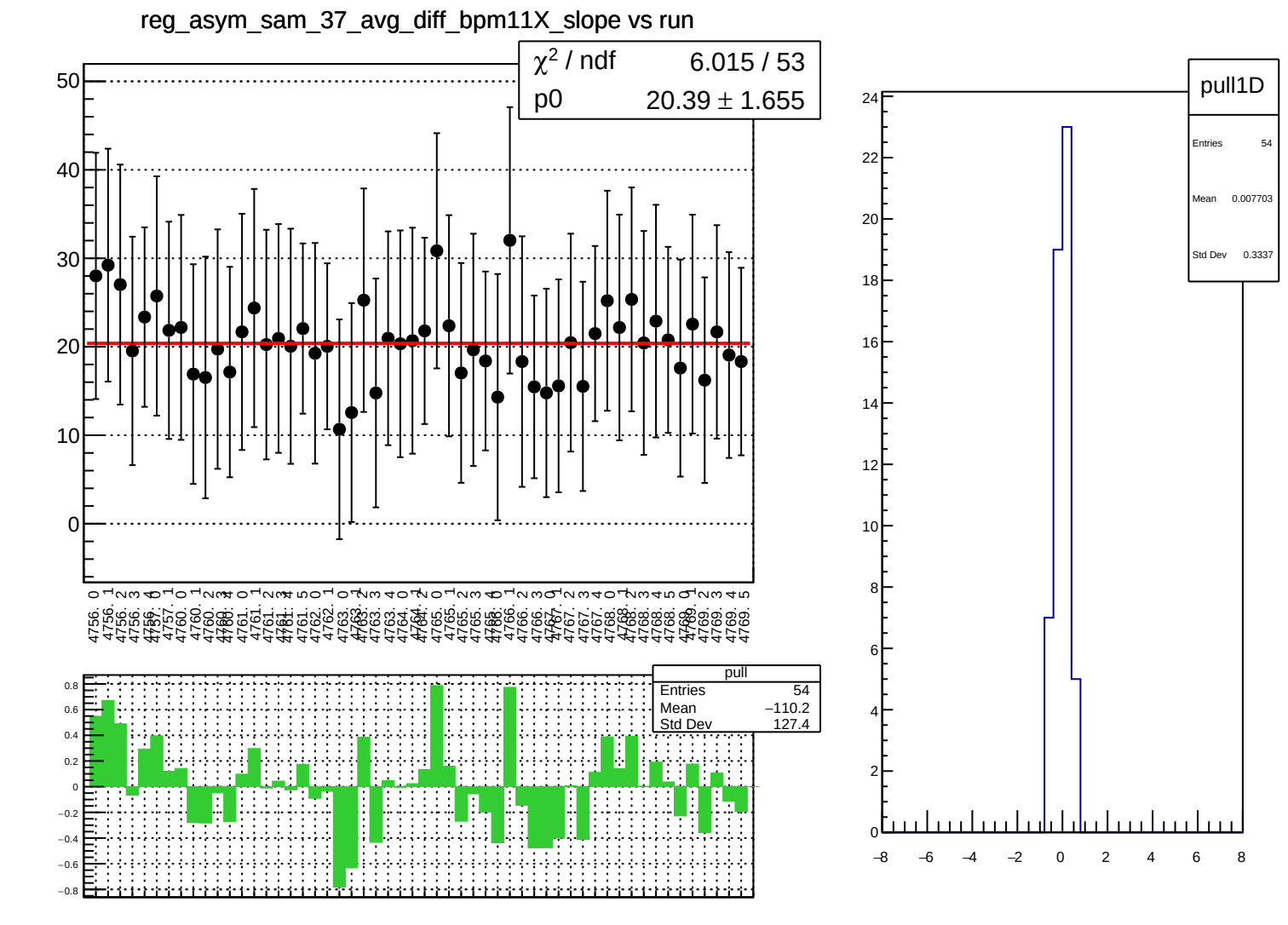

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.75 / 53
p0 179.5 ± 5.144
pull
Entries 54
Mean 272.4
Std Dev 245.9
pull1D
Entries 54
Mean −0.01027
Std Dev 0.5226

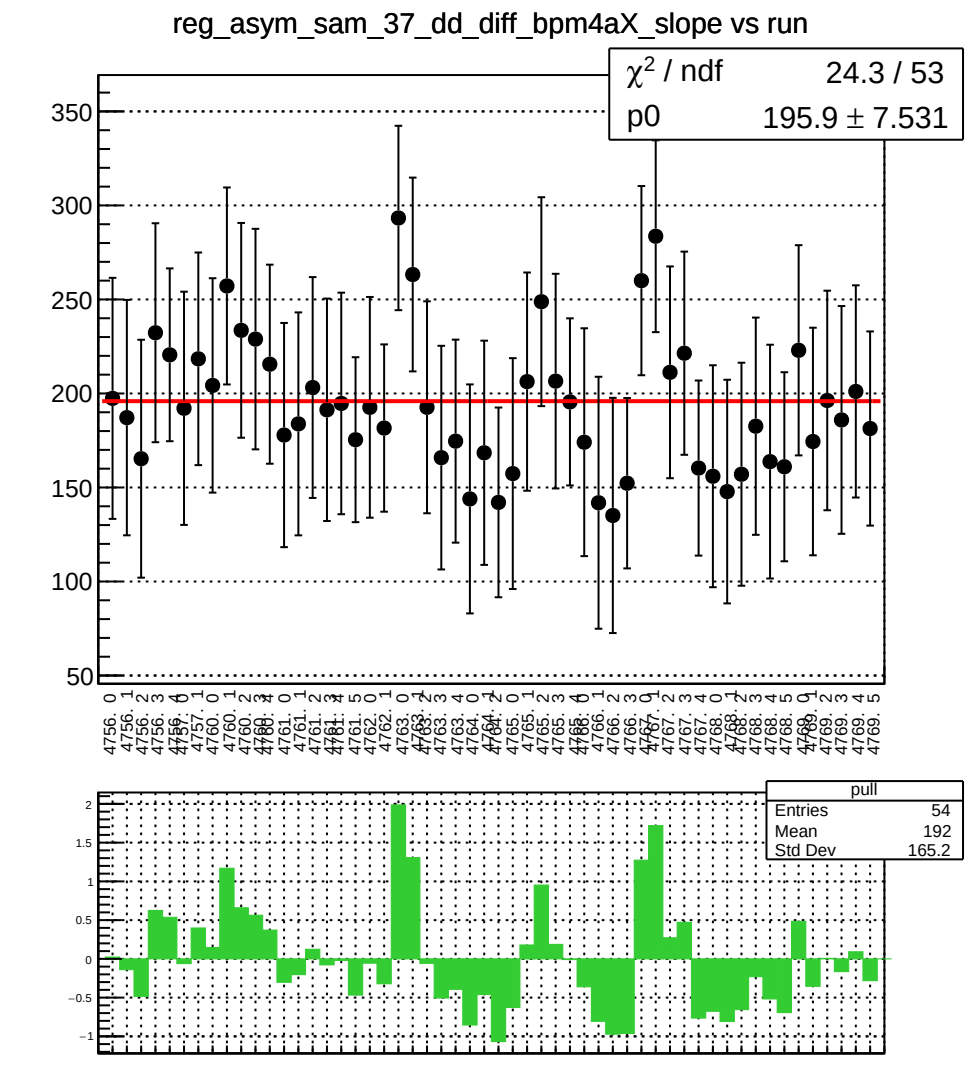

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.158 / 53
p0 −28.98 ± 6.251
pull
Entries 54
Mean −162
Std Dev 181.2
pull1D
Entries 54
Mean −0.005828
Std Dev 0.2418

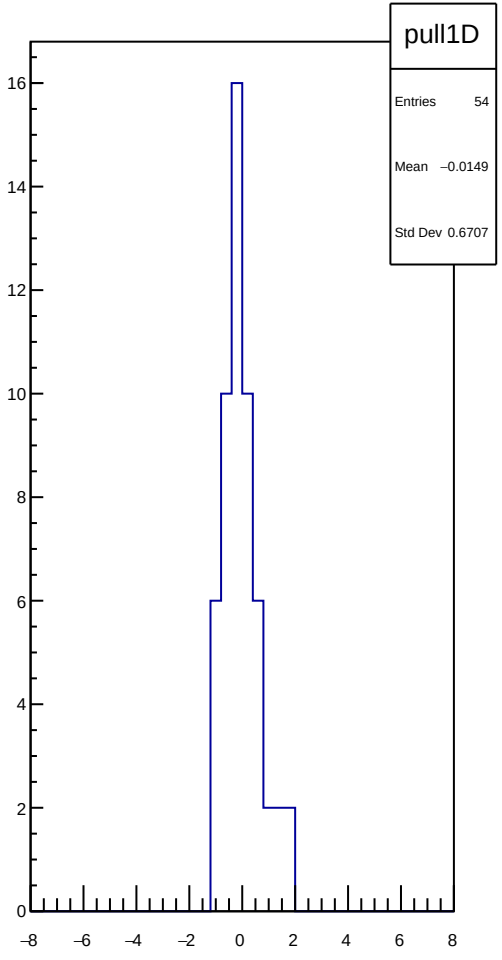

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.05 / 53
p0 −389.3 ± 1.045
pull
Entries 54
Mean 44.89
Std Dev 25.88

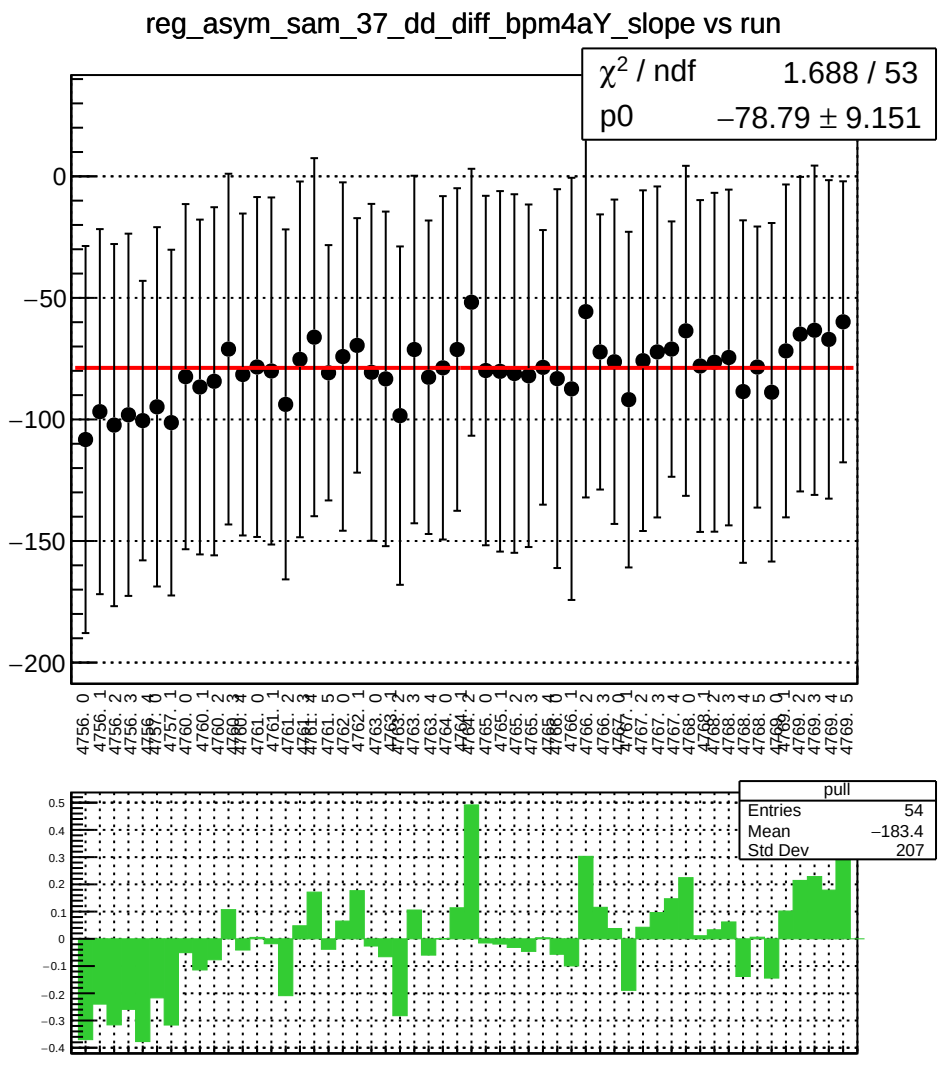

pull1D
Entries 54
Mean −0.01234
Std Dev 0.5098

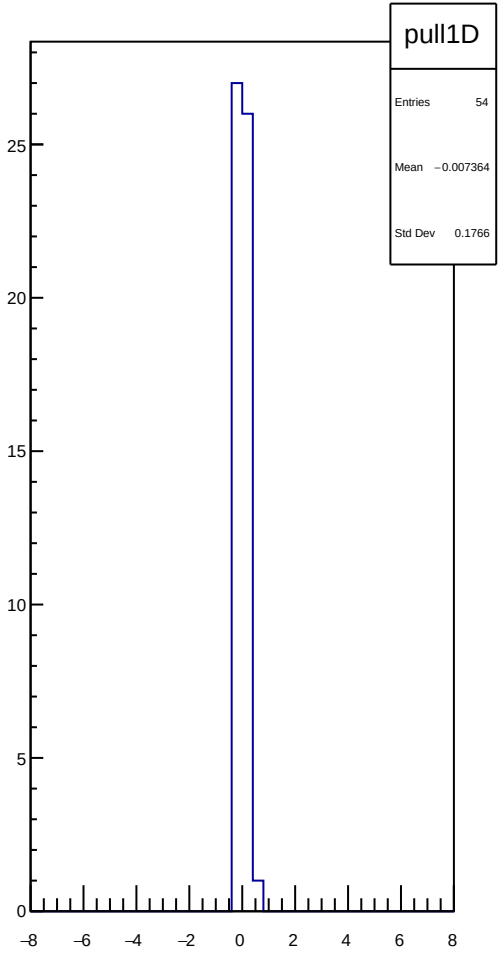

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.654 / 53
p0 −40.71 ± 7.381
pull
Entries 54
Mean −372.7
Std Dev 391.7
pull1D
Entries 54
Mean 0.002586
Std Dev 0.3236

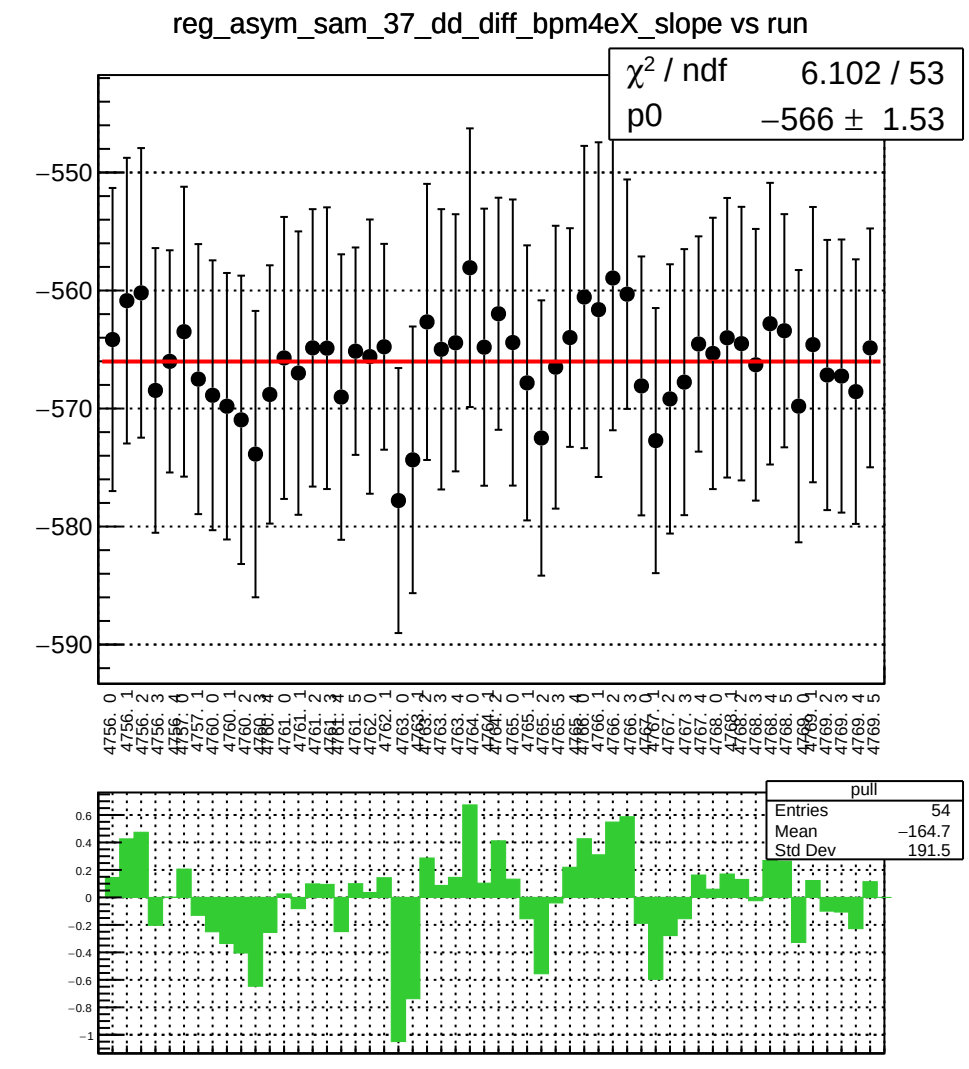

reg_asym_sam_37_avg_diff_bpm11X_slope vs run
χ² / ndf 6.015 / 53
p0 20.39 ± 1.655
pull
Entries 54
Mean −110.2
Std Dev 127.4
pull1D
Entries 54
Mean 0.007703
Std Dev 0.3337

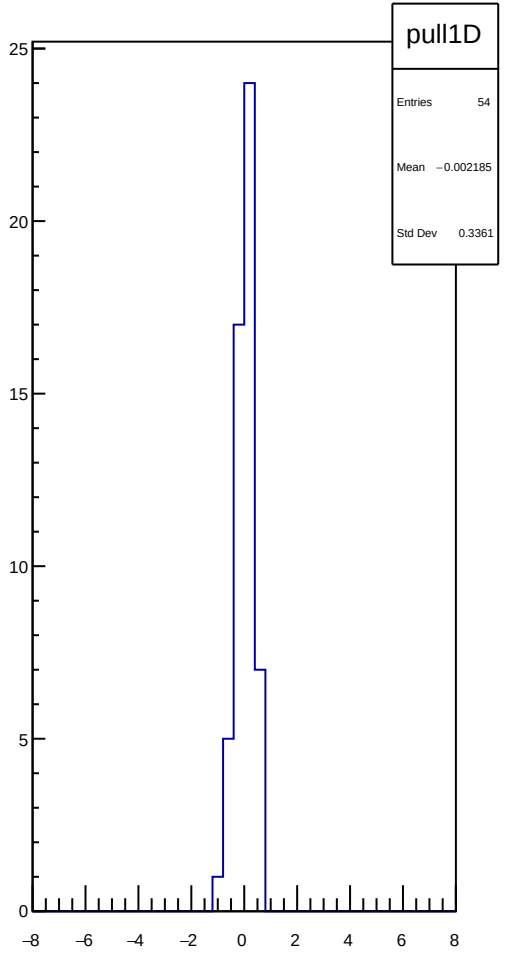

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 24.3 / 53
p0 195.9 ± 7.531
pull
Entries 54
Mean 192
Std Dev 165.2

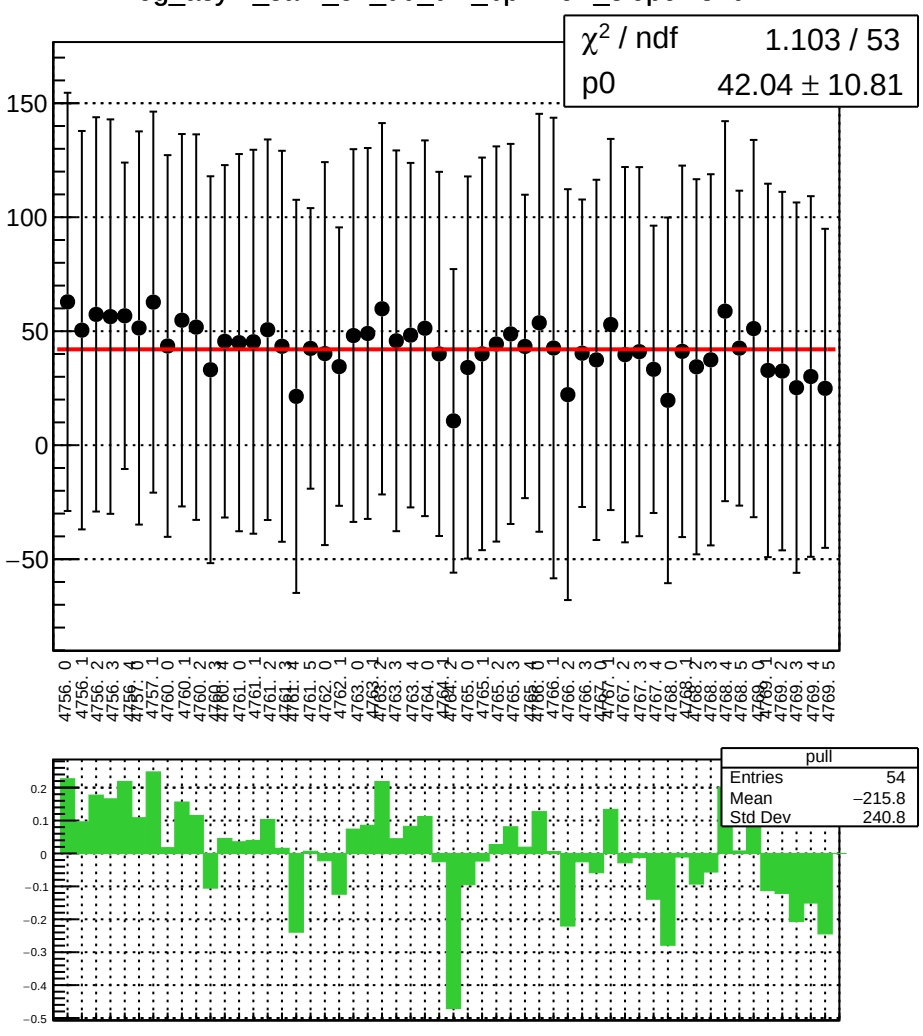

pull1D
Entries 54
Mean −0.0149
Std Dev 0.6707

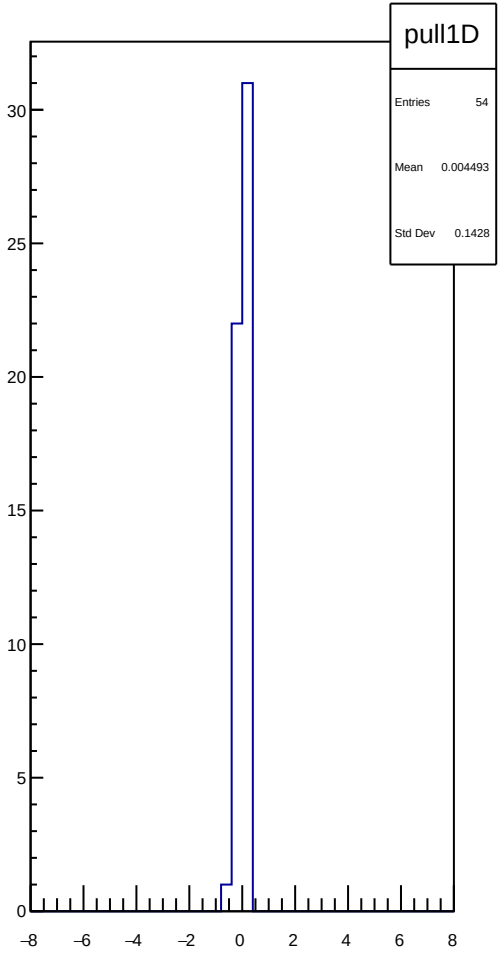

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.688 / 53
p0 −78.79 ± 9.151
pull
Entries 54
Mean −183.4
Std Dev 207

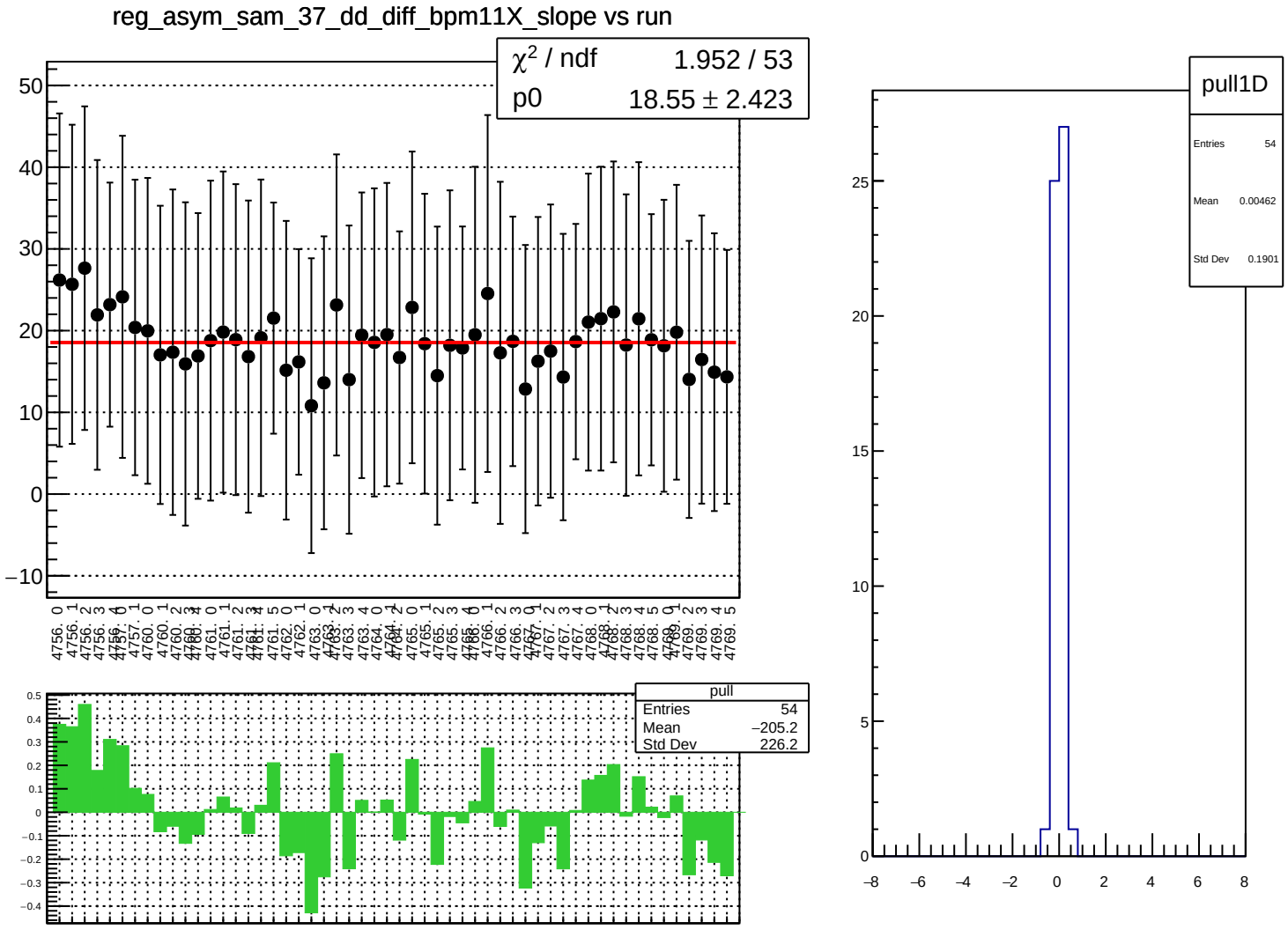

pull1D
Entries 54
Mean −0.007364
Std Dev 0.1766

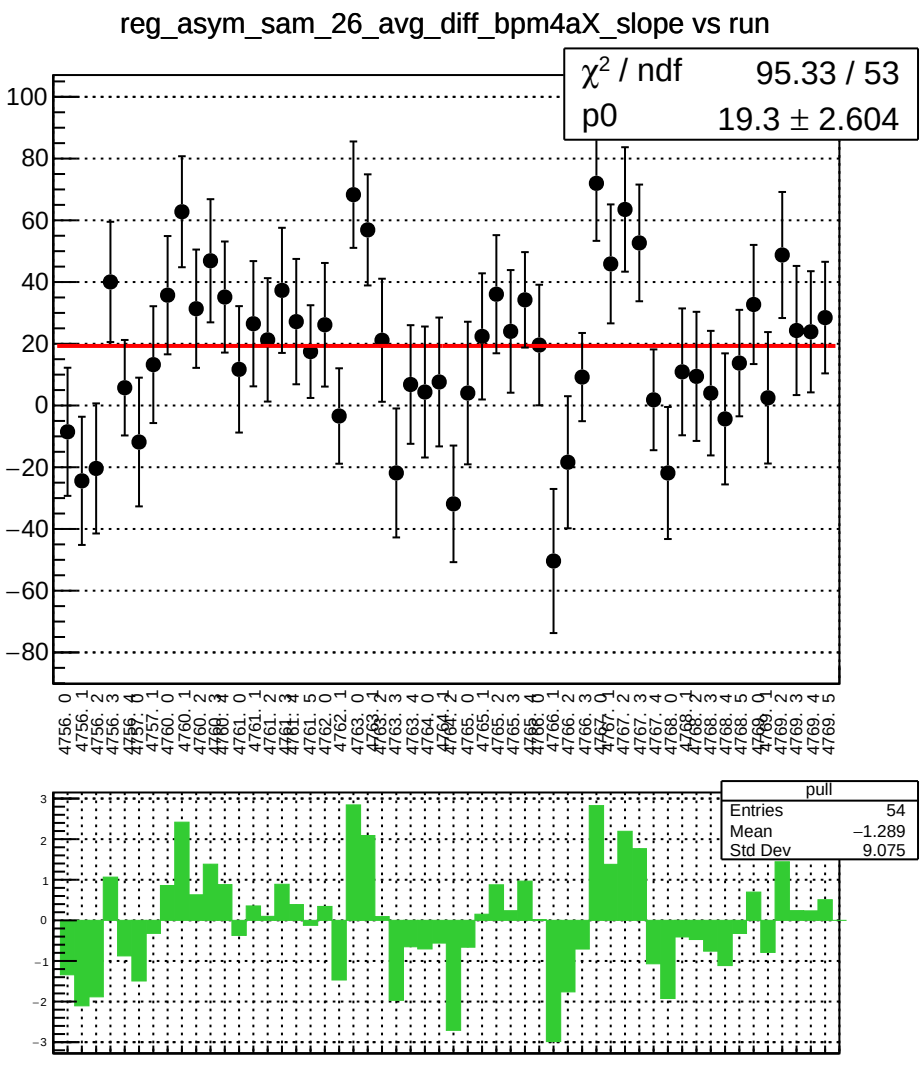

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.102 / 53
p0 −566 ± 1.53
−550
−560
−570
−580
−590
pull
Entries 54
Mean −164.7
Std Dev 191.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

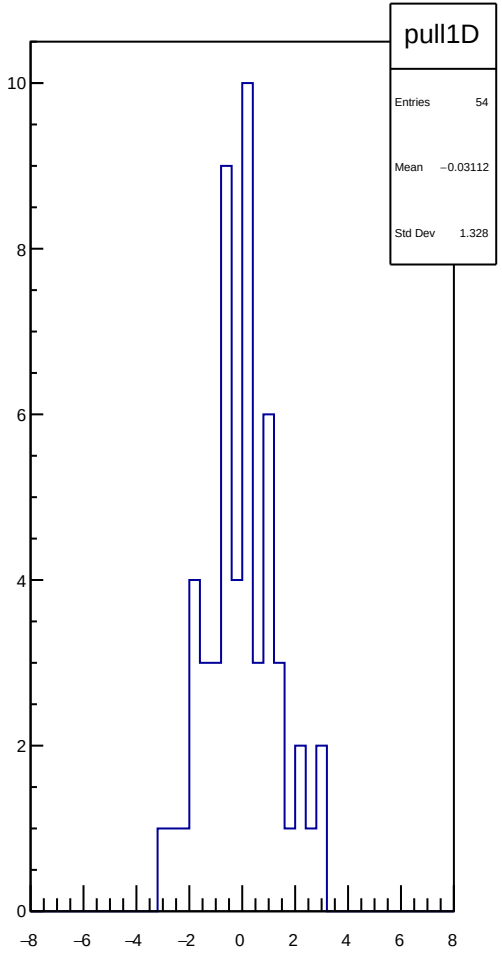

pull1D
Entries 54
Mean −0.002185
Std Dev 0.3361
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

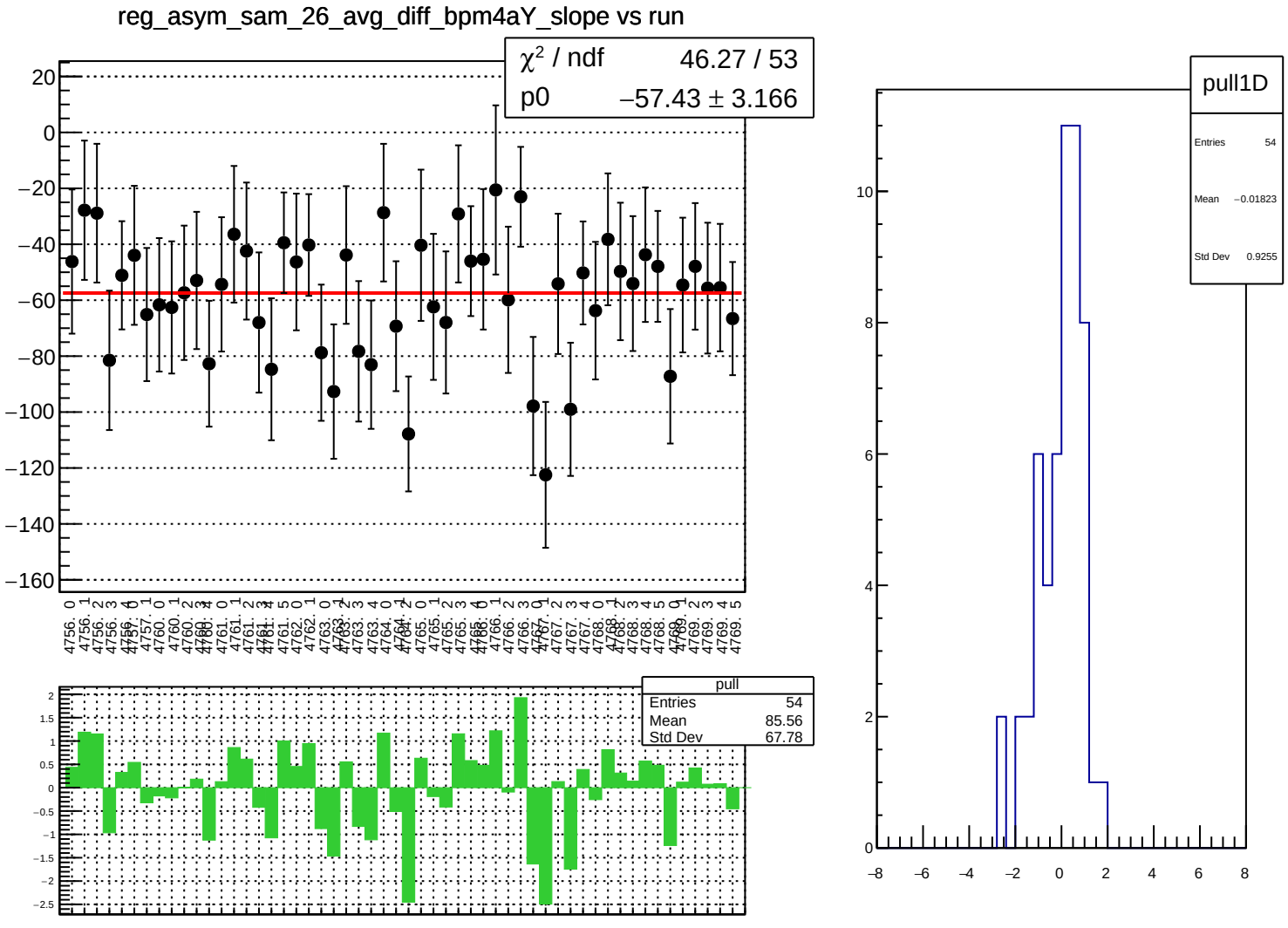

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.103 / 53
p0 42.04 ± 10.81
150
100
50
0
−50
pull
Entries 54
Mean −215.8
Std Dev 240.8
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

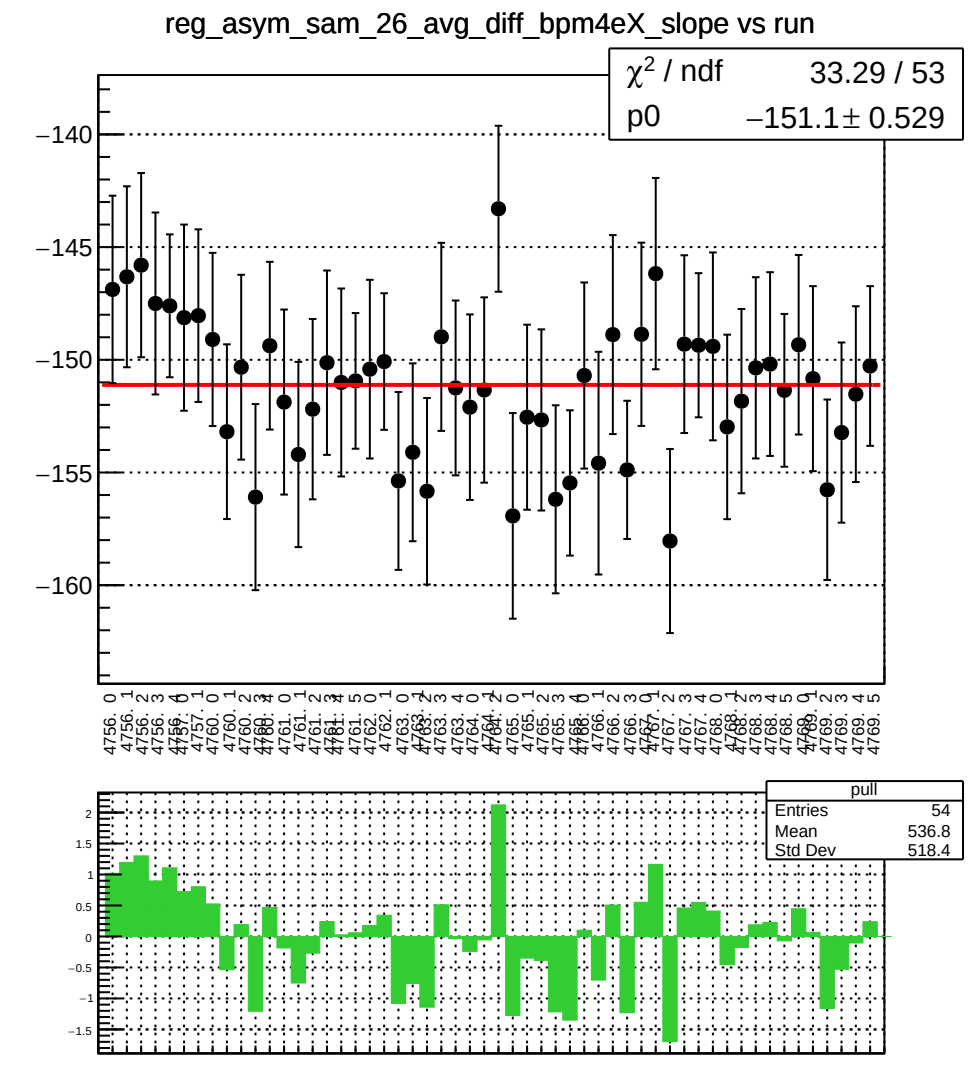

pull1D
Entries 54
Mean 0.004493
Std Dev 0.1428
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

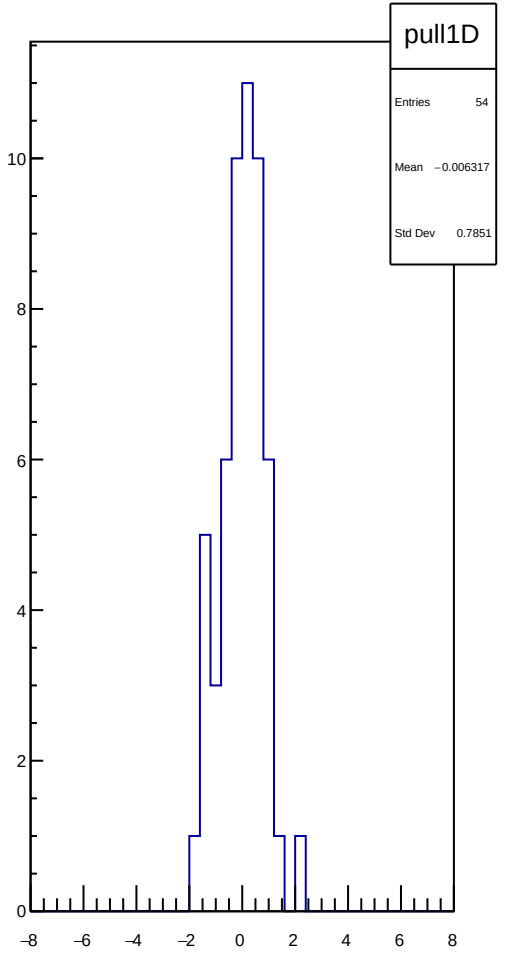

reg_asym_sam_37_dd_diff_bpm11X_slope vs run
χ² / ndf 1.952 / 53
p0 18.55 ± 2.423
pull
Entries 54
Mean −205.2
Std Dev 226.2
pull1D
Entries 54
Mean 0.00462
Std Dev 0.1901

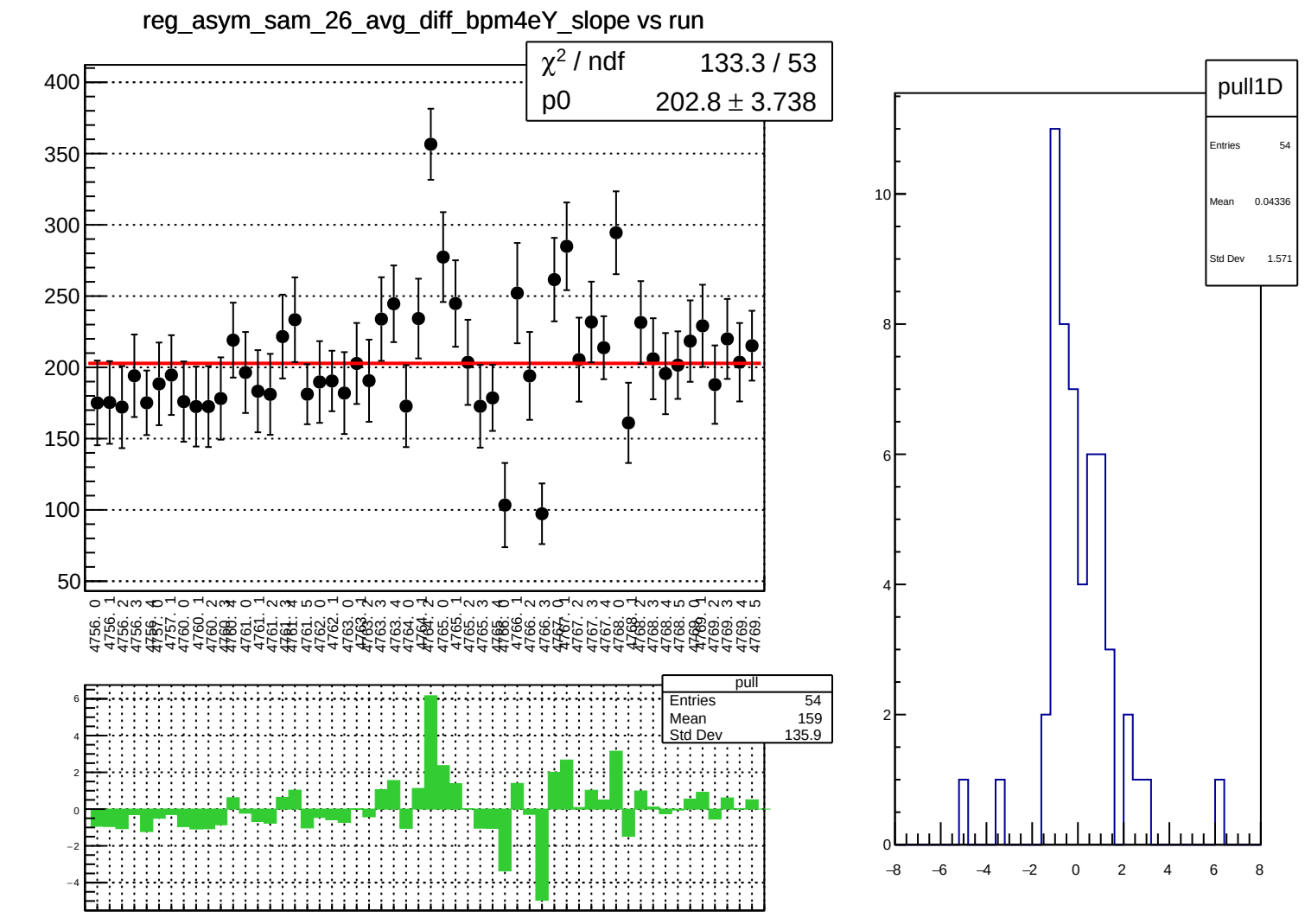

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 95.33 / 53
p0 19.3 ± 2.604
pull
Entries 54
Mean −1.289
Std Dev 9.075

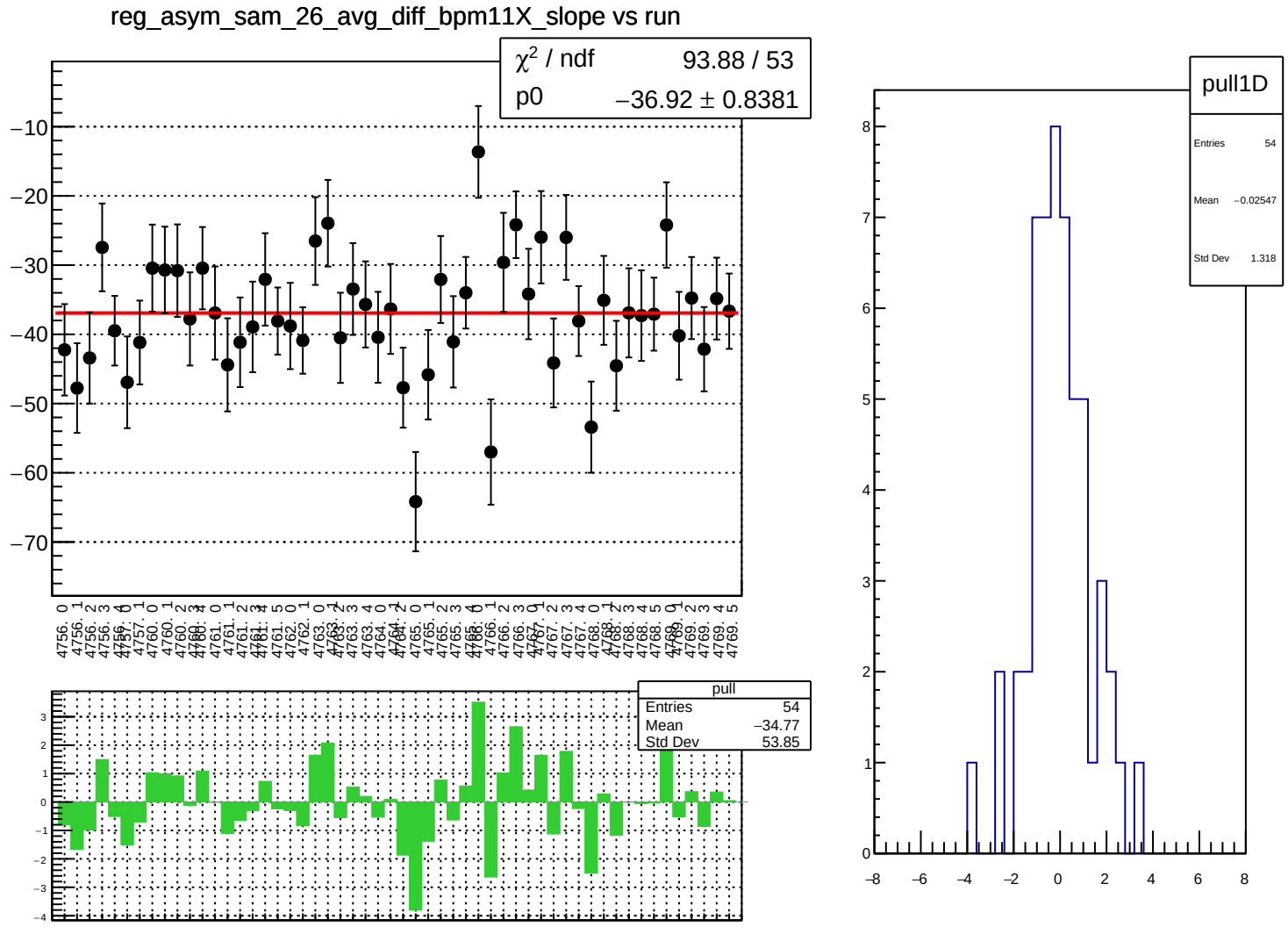

pull1D
Entries 54
Mean −0.03112
Std Dev 1.328

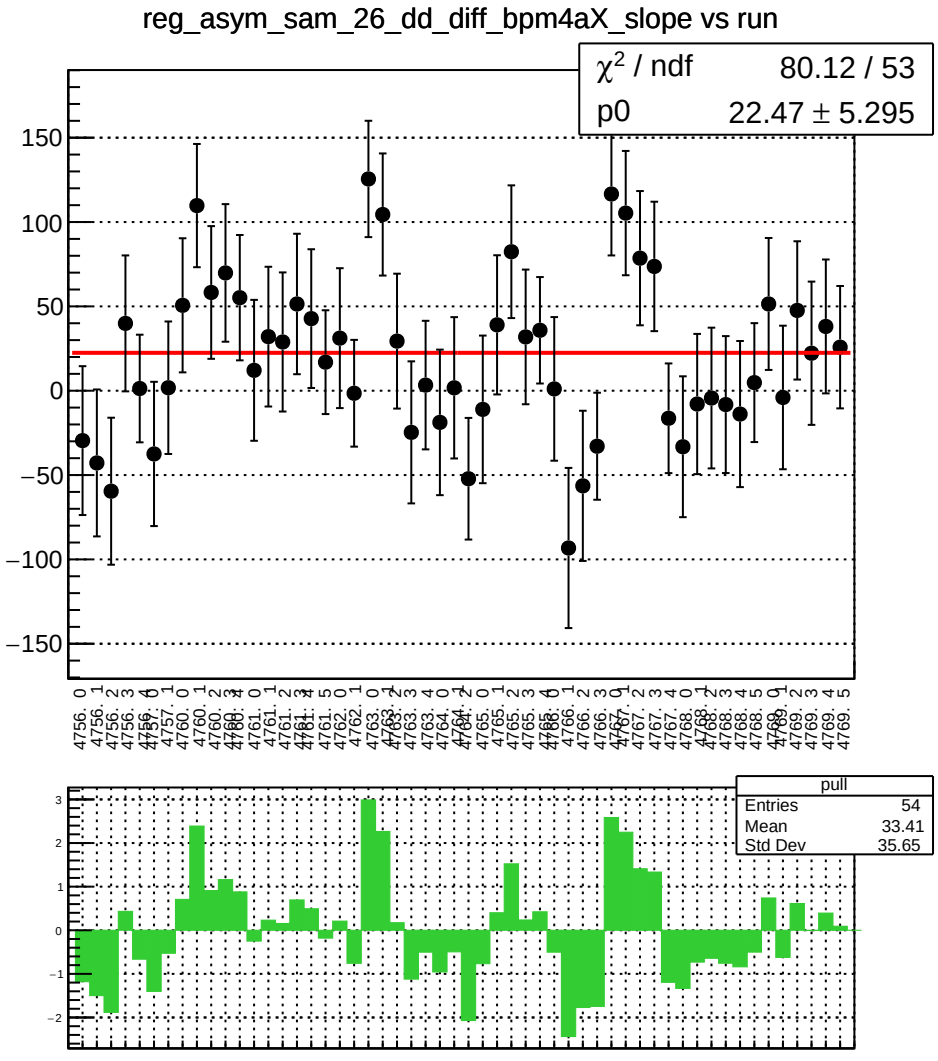

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.27 / 53
p0 −57.43 ± 3.166
pull
Entries 54
Mean 85.56
Std Dev 67.78
pull1D
Entries 54
Mean −0.01823
Std Dev 0.9255

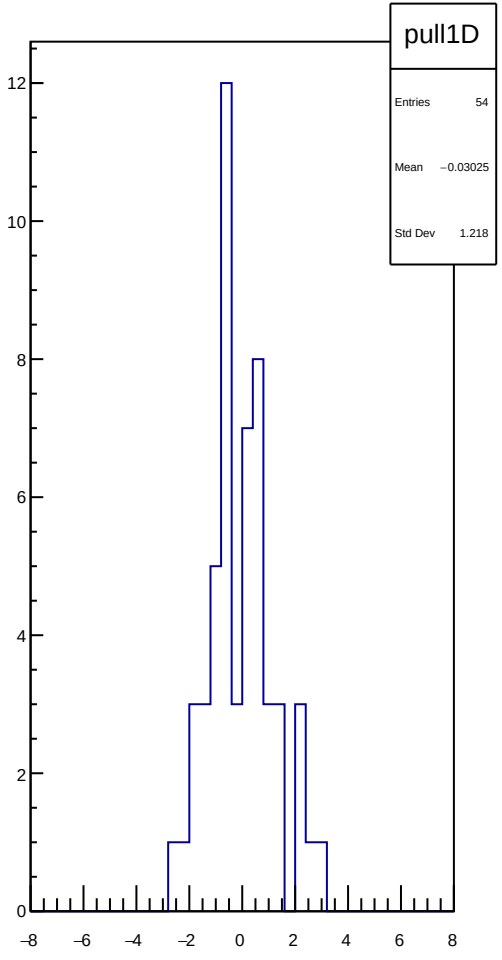

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.29 / 53
p0 −151.1± 0.529
pull
Entries 54
Mean 536.8
Std Dev 518.4

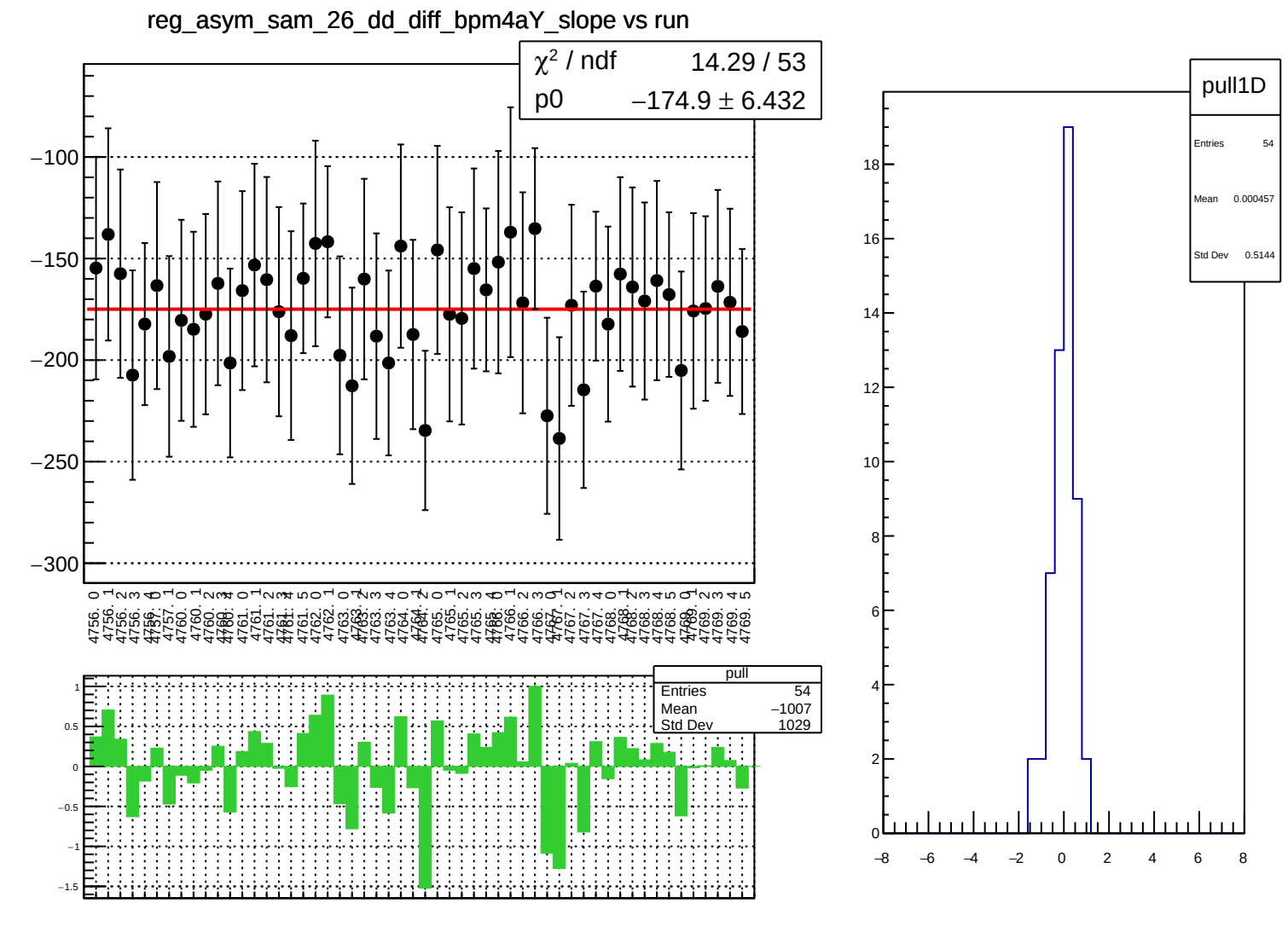

pull1D
Entries 54
Mean −0.006317
Std Dev 0.7851

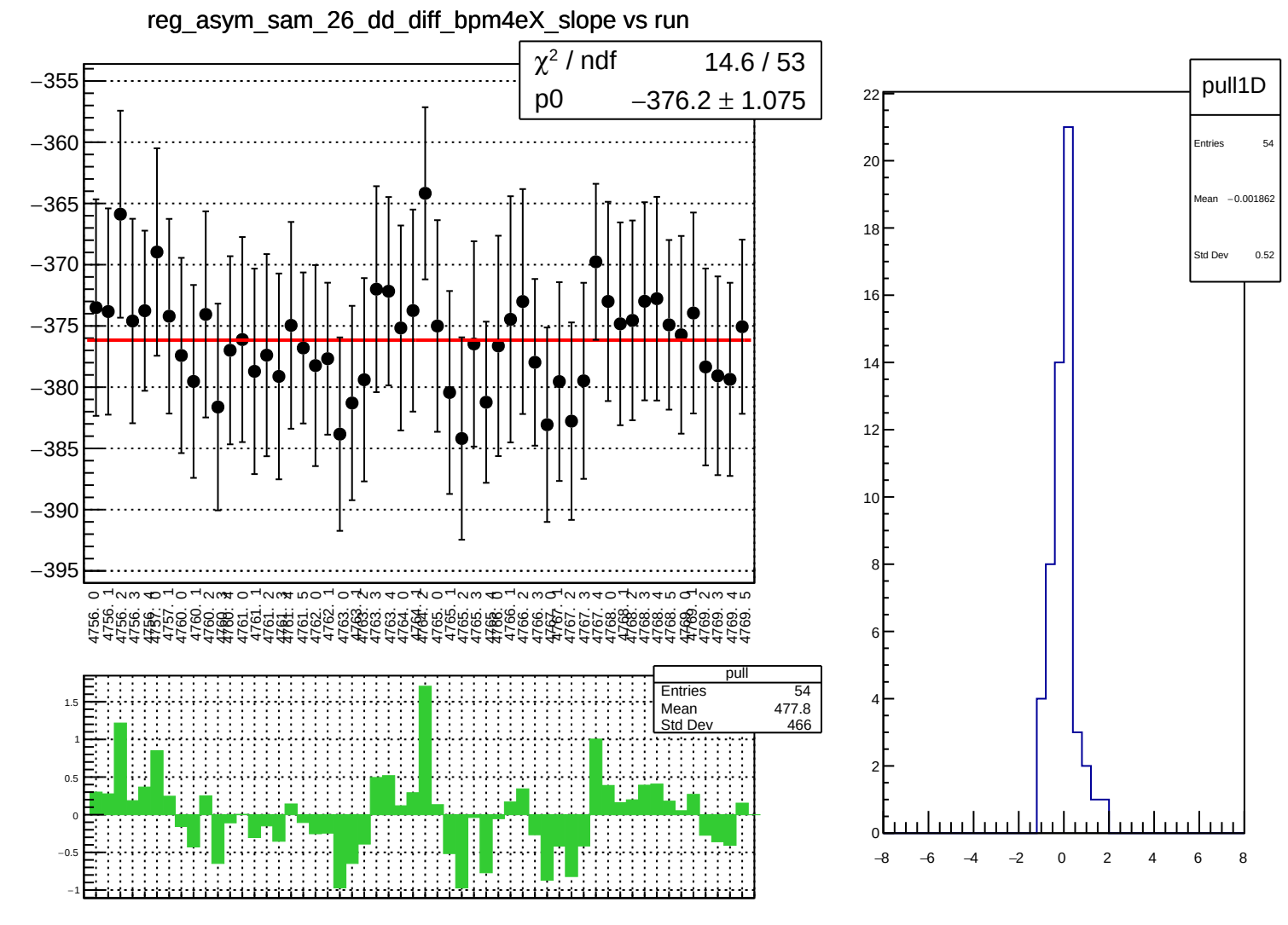

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 133.3 / 53
p0 202.8 ± 3.738
pull
Entries 54
Mean 159
Std Dev 135.9
pull1D
Entries 54
Mean 0.04336
Std Dev 1.571

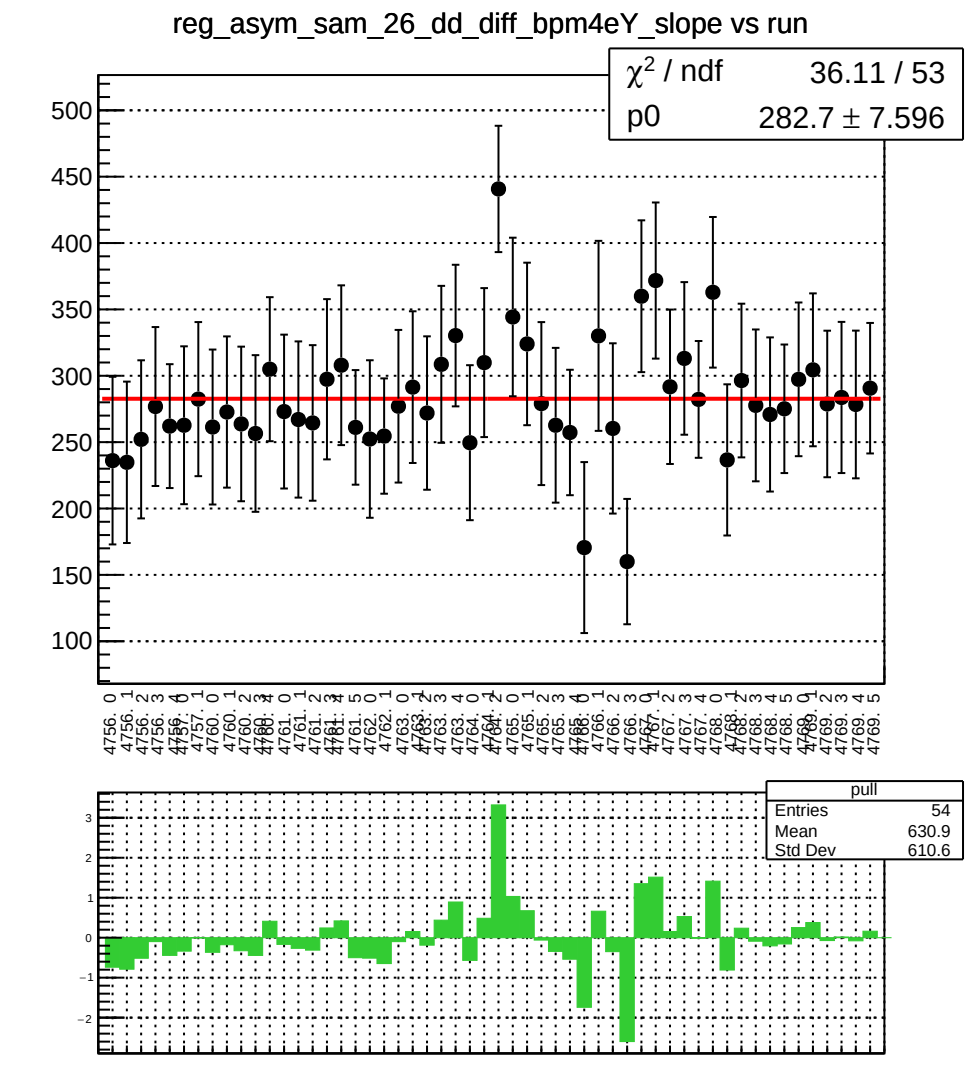

reg_asym_sam_26_avg_diff_bpm11X_slope vs run
χ² / ndf 93.88 / 53
p0 −36.92 ± 0.8381
pull
Entries 54
Mean −34.77
Std Dev 53.85
pull1D
Entries 54
Mean −0.02547
Std Dev 1.318

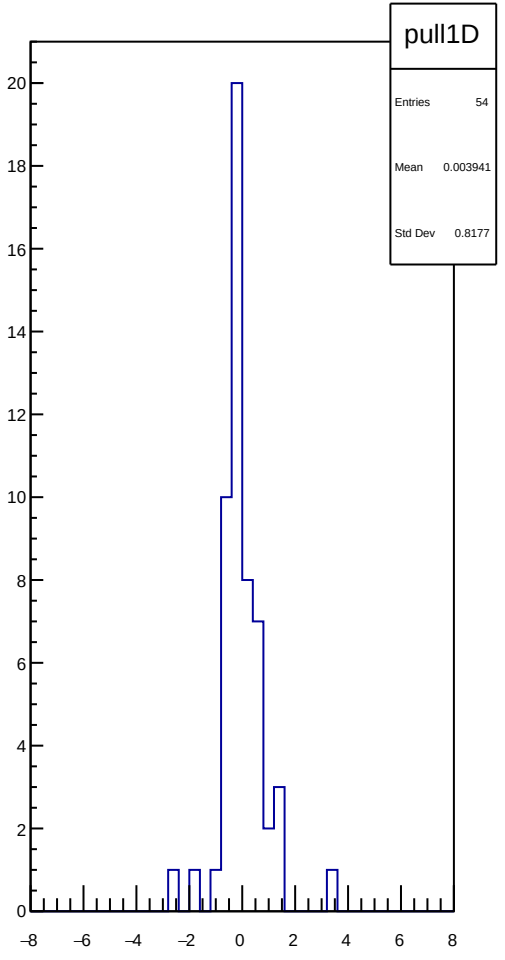

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 80.12 / 53
p0 22.47 ± 5.295
pull
Entries 54
Mean 33.41
Std Dev 35.65

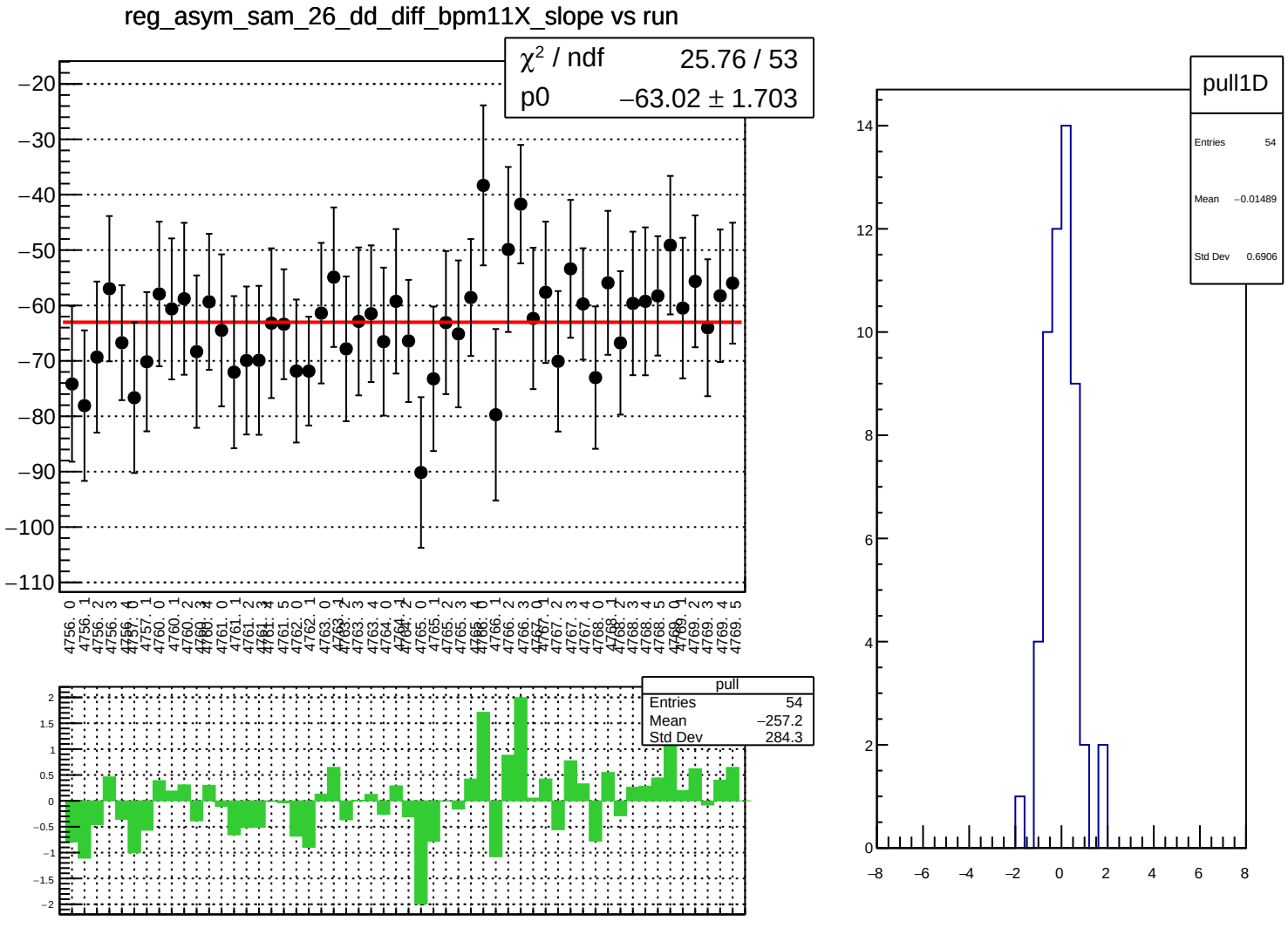

pull1D
Entries 54
Mean −0.03025
Std Dev 1.218

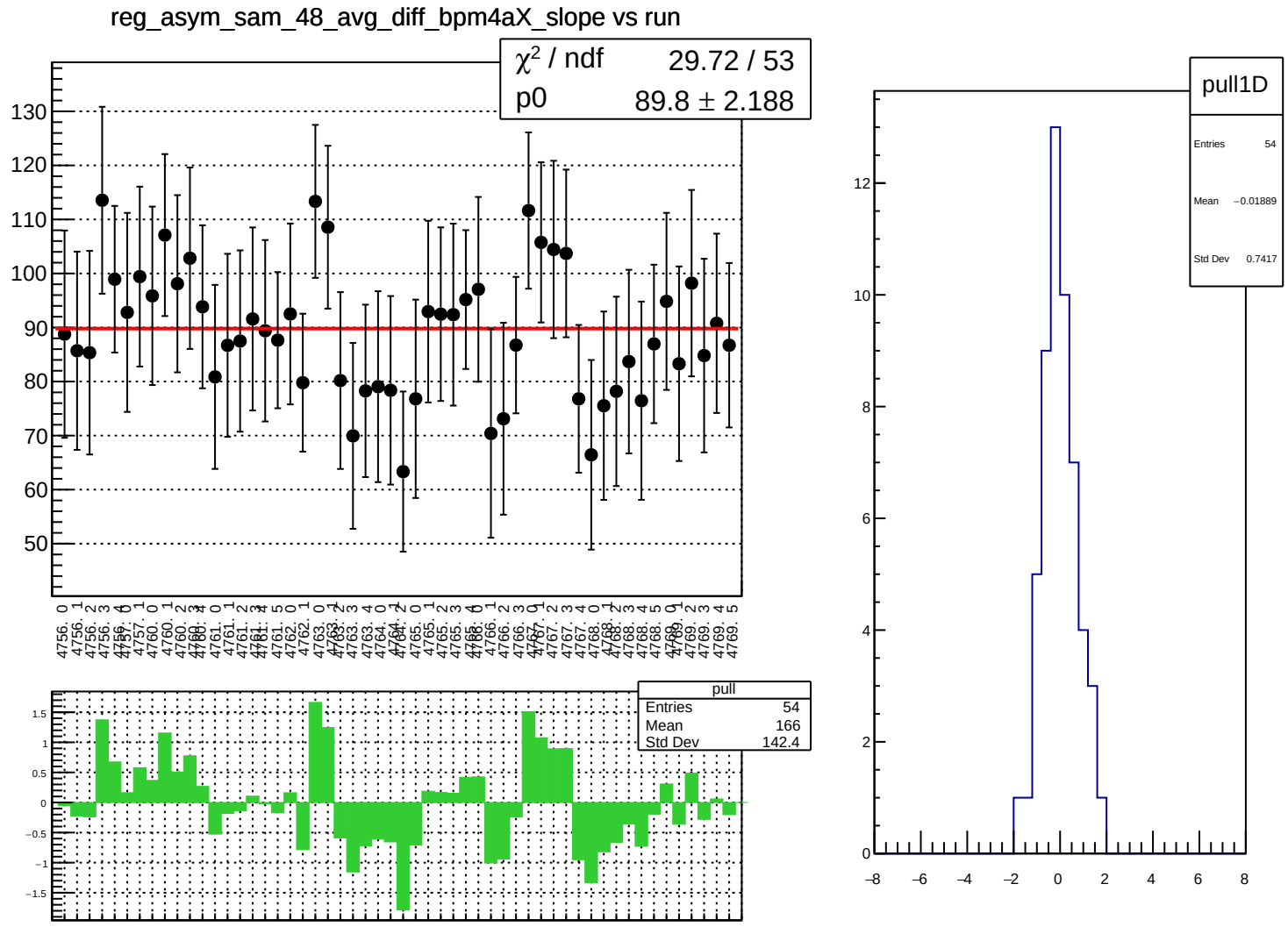

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.29 / 53
p0 −174.9 ± 6.432
pull
Entries 54
Mean −1007
Std Dev 1029
pull1D
Entries 54
Mean 0.000457
Std Dev 0.5144

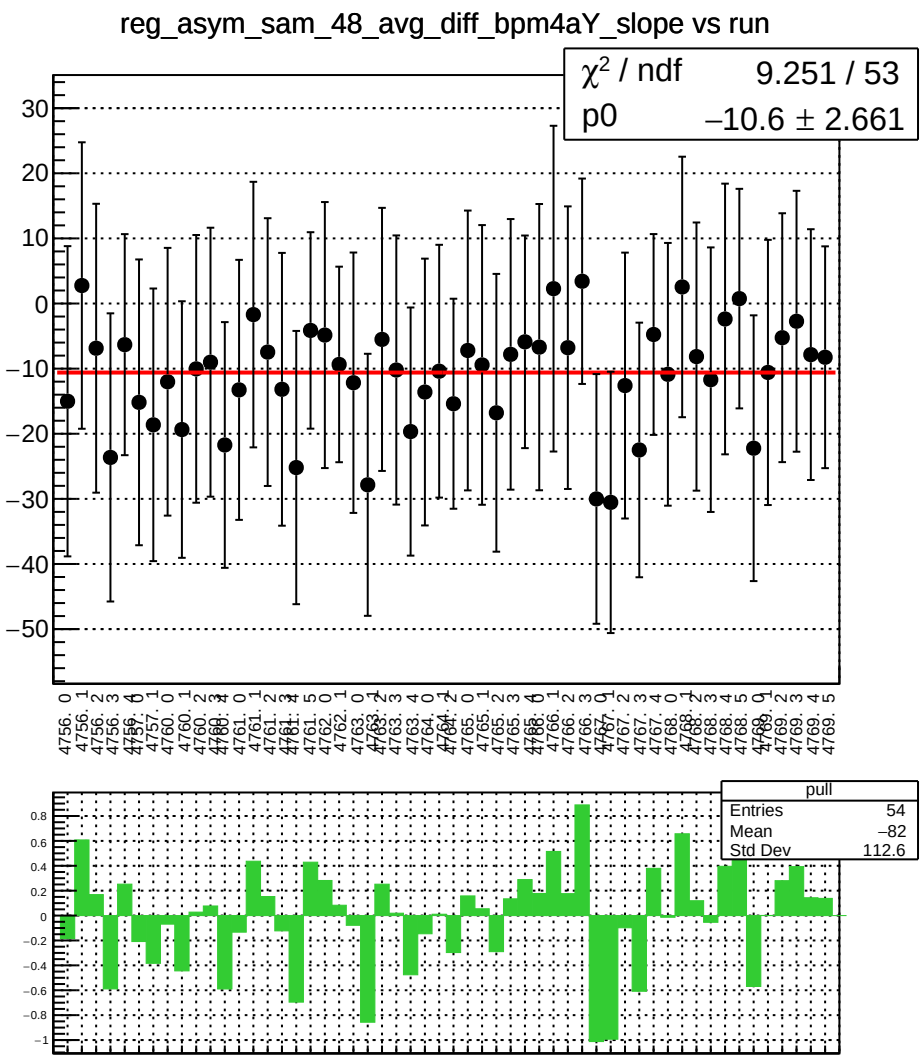

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.6 / 53
p0 −376.2 ± 1.075
pull
Entries 54
Mean 477.8
Std Dev 466
pull1D
Entries 54
Mean −0.001862
Std Dev 0.52

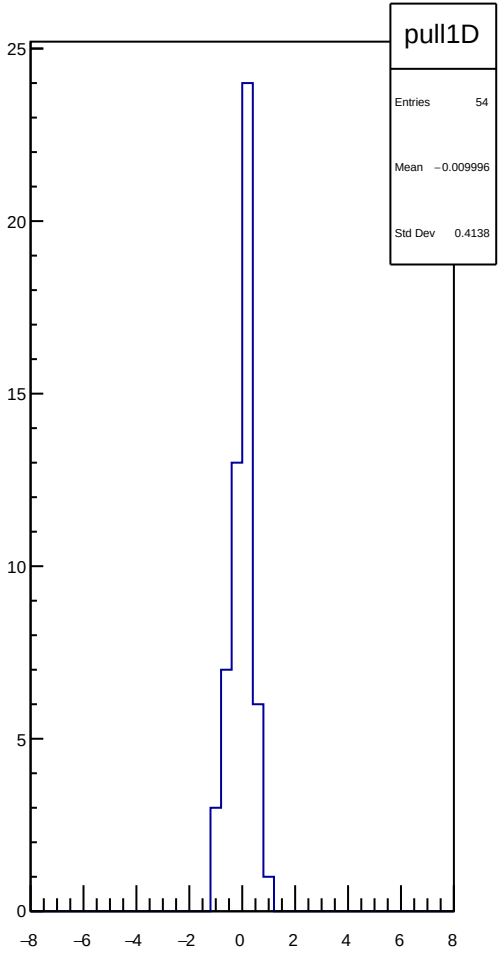

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.11 / 53
p0 282.7 ± 7.596
pull
Entries 54
Mean 630.9
Std Dev 610.6

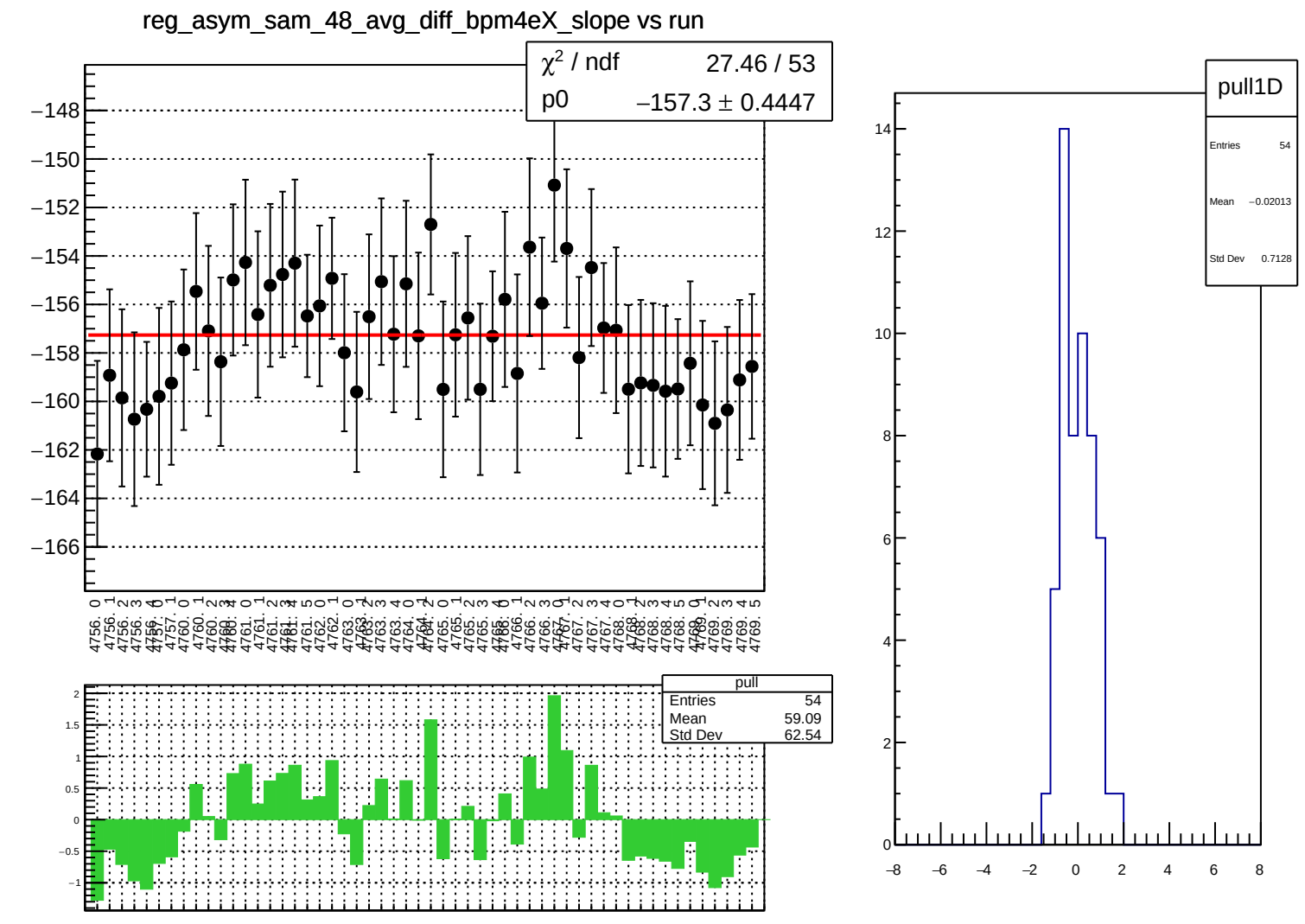

pull1D
Entries 54
Mean 0.003941
Std Dev 0.8177

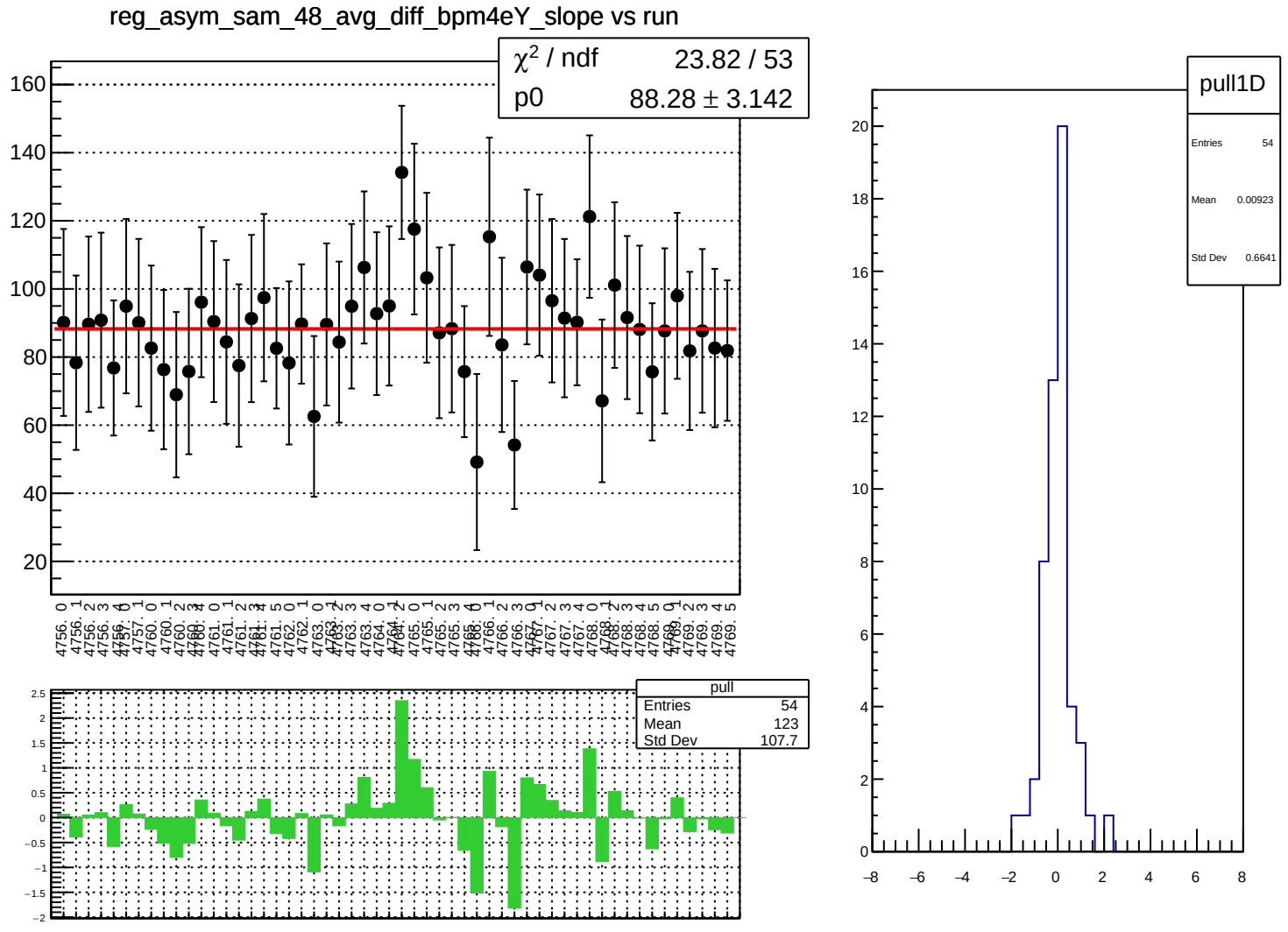

reg_asym_sam_26_dd_diff_bpm11X_slope vs run
χ² / ndf 25.76 / 53
p0 −63.02 ± 1.703
pull
Entries 54
Mean −257.2
Std Dev 284.3
pull1D
Entries 54
Mean −0.01489
Std Dev 0.6906

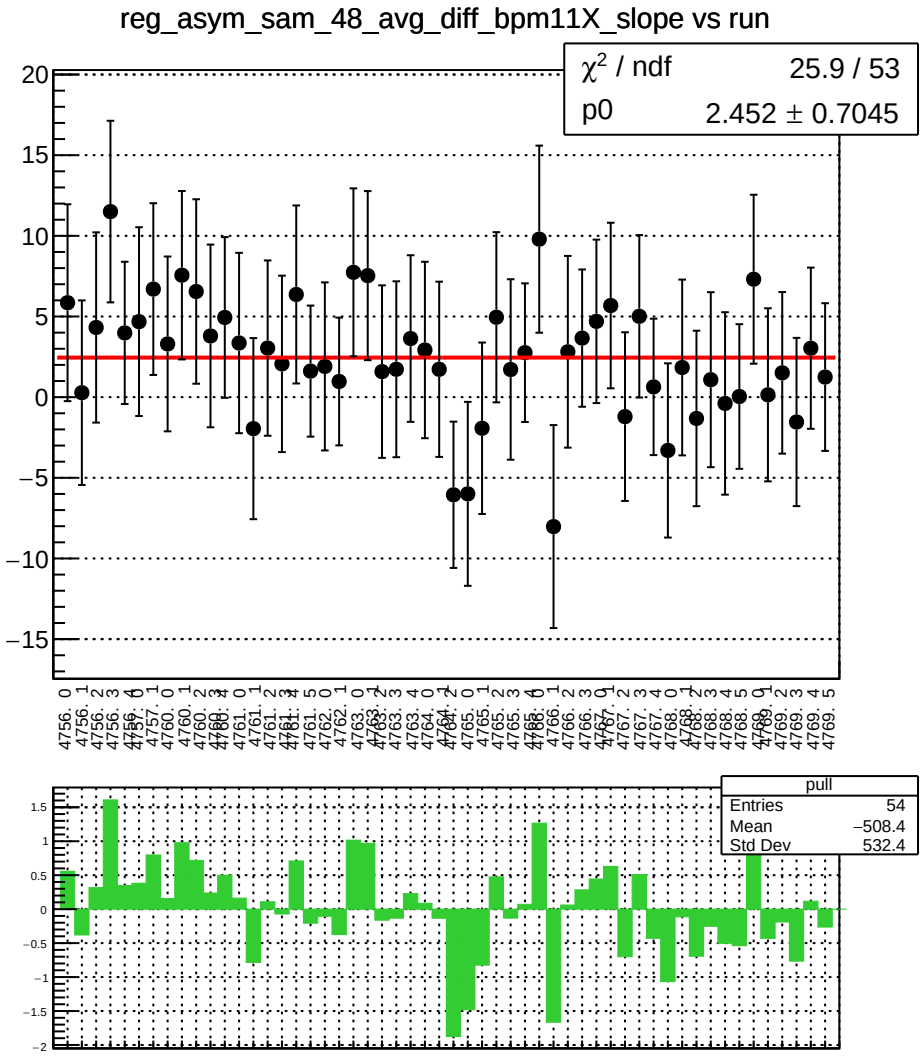

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 29.72 / 53
p0 89.8 ± 2.188
pull
Entries 54
Mean 166
Std Dev 142.4
pull1D
Entries 54
Mean −0.01889
Std Dev 0.7417

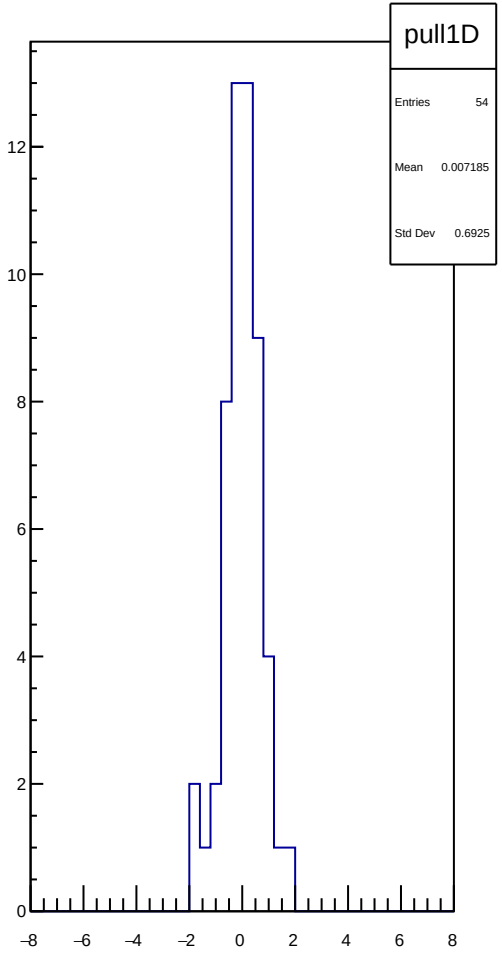

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.251 / 53
p0 −10.6 ± 2.661
pull
Entries 54
Mean −82
Std Dev 112.6

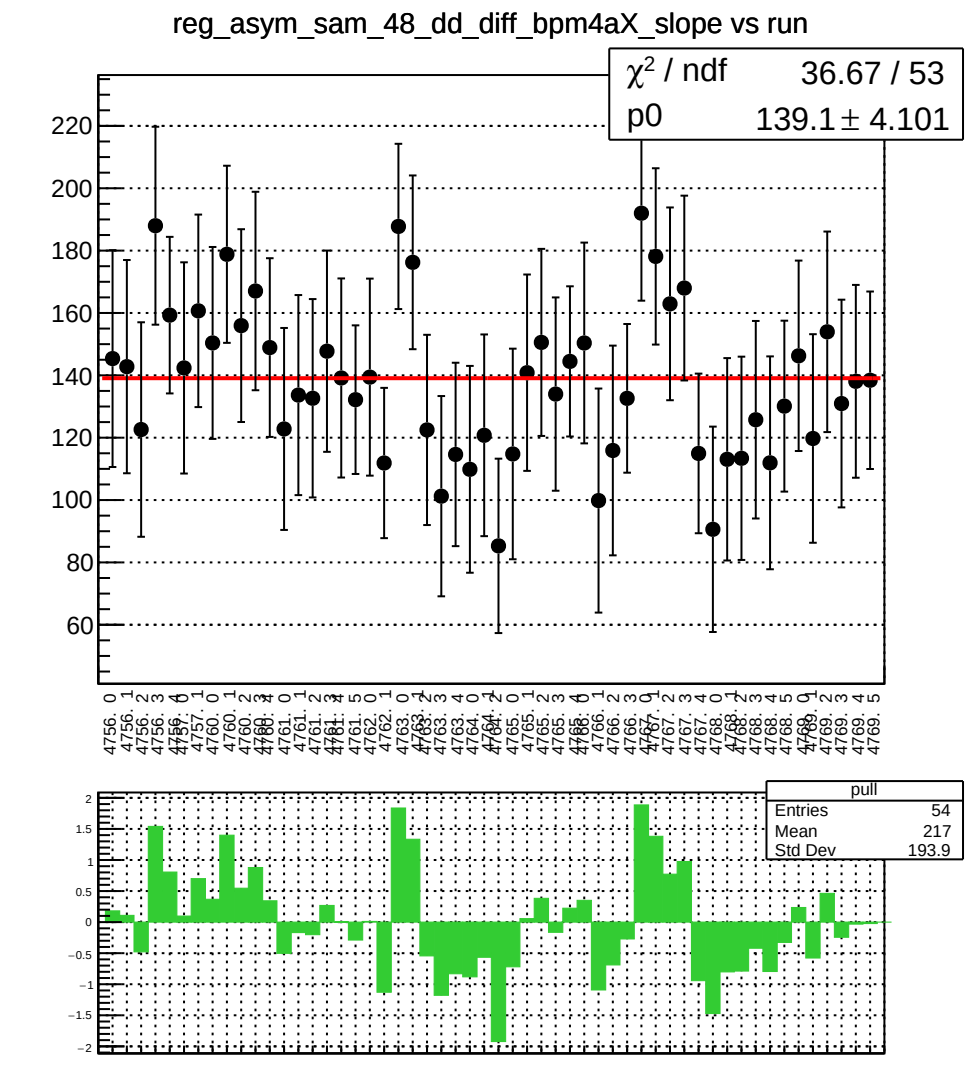

pull1D
Entries 54
Mean −0.009996
Std Dev 0.4138

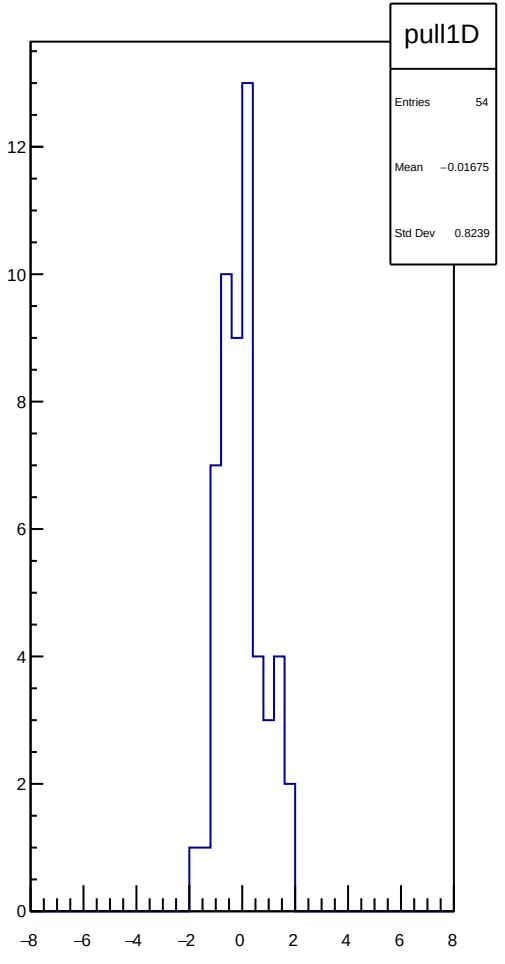

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.46 / 53
p0 −157.3 ± 0.4447
pull
Entries 54
Mean 59.09
Std Dev 62.54
pull1D
Entries 54
Mean −0.02013
Std Dev 0.7128

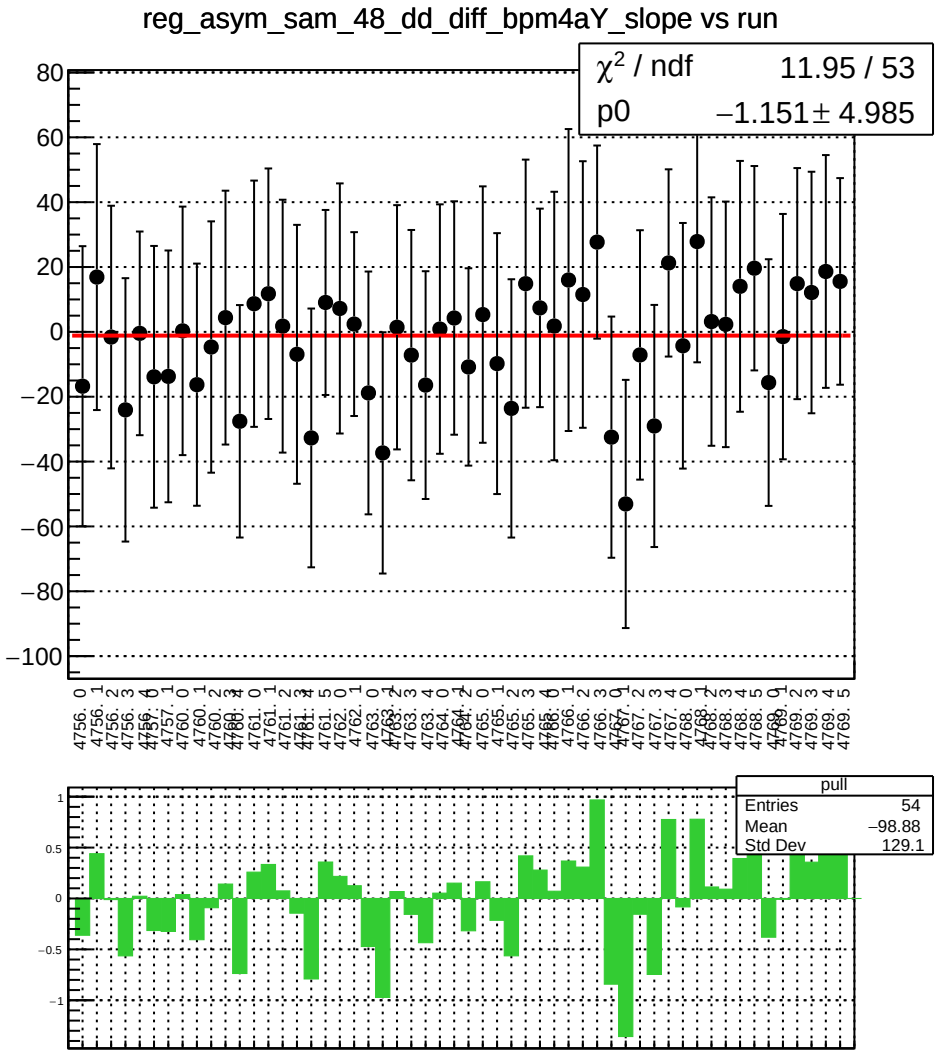

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.82 / 53
p0 88.28 ± 3.142
pull
Entries 54
Mean 123
Std Dev 107.7
pull1D
Entries 54
Mean 0.00923
Std Dev 0.6641

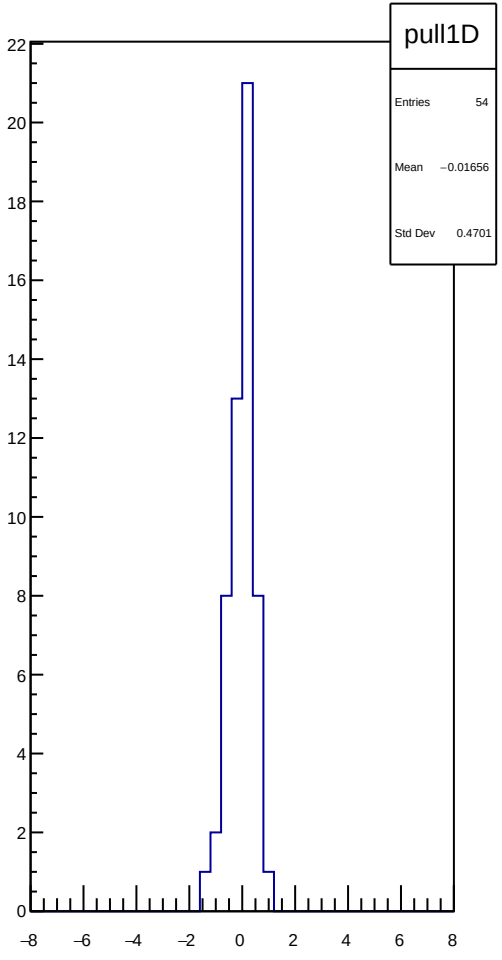

reg_asym_sam_48_avg_diff_bpm11X_slope vs run
χ² / ndf 25.9 / 53
p0 2.452 ± 0.7045
pull
Entries 54
Mean −508.4
Std Dev 532.4

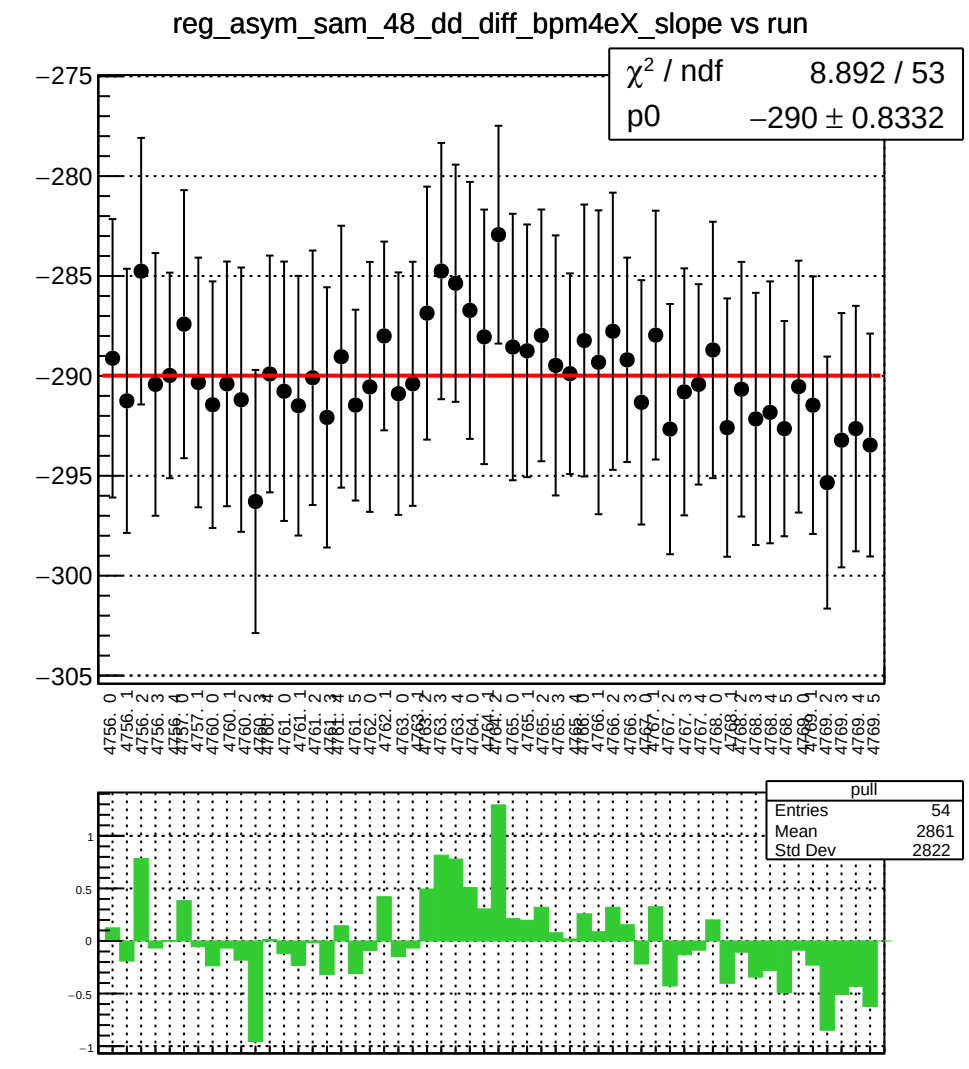

pull1D
Entries 54
Mean 0.007185
Std Dev 0.6925

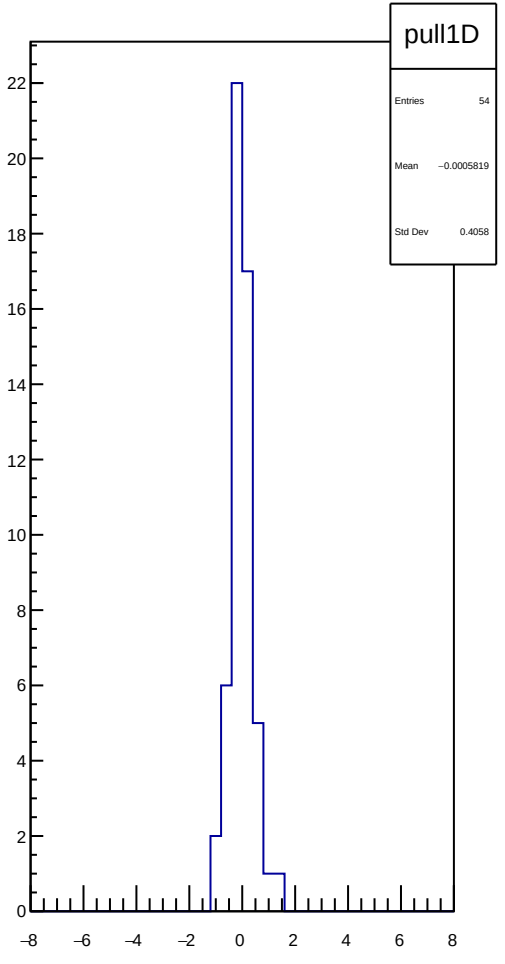

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 36.67 / 53
p0 139.1 ± 4.101
pull
Entries 54
Mean 217
Std Dev 193.9

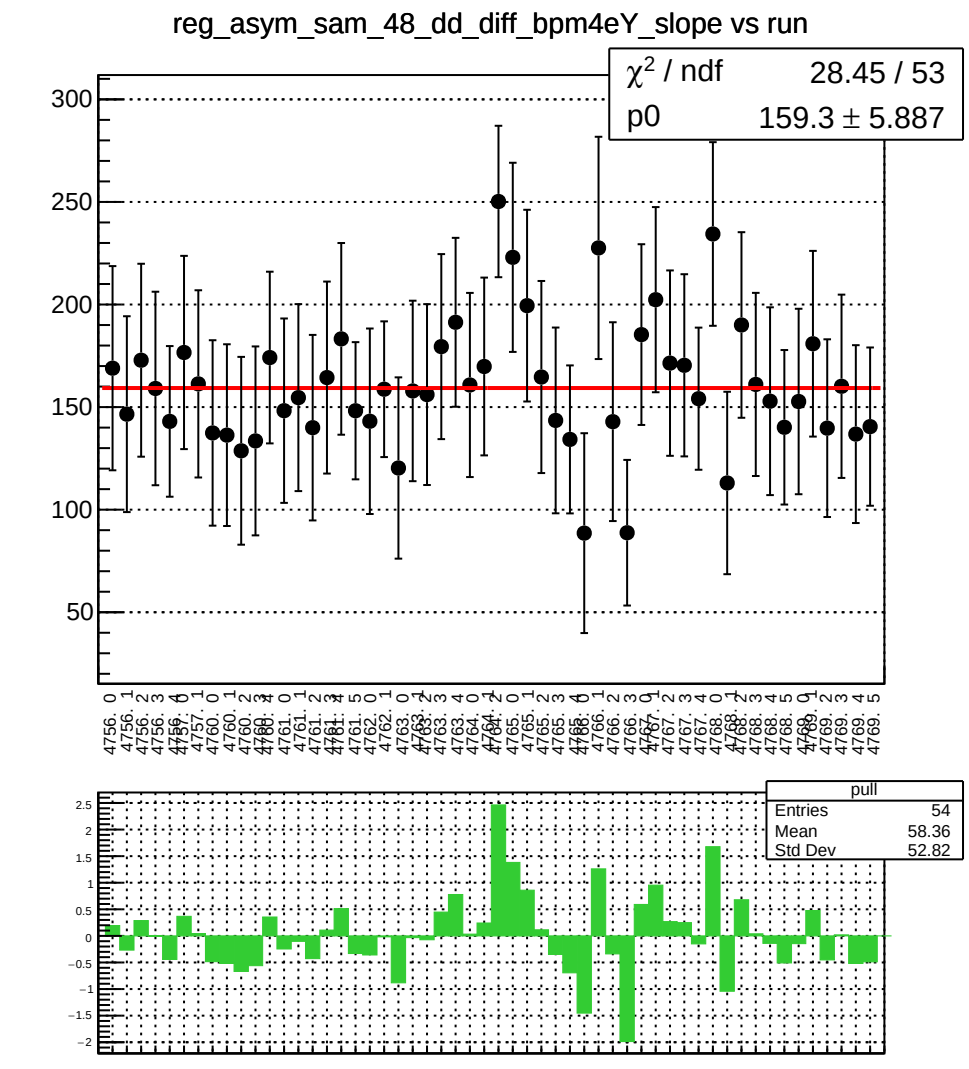

pull1D
Entries 54
Mean −0.01675
Std Dev 0.8239

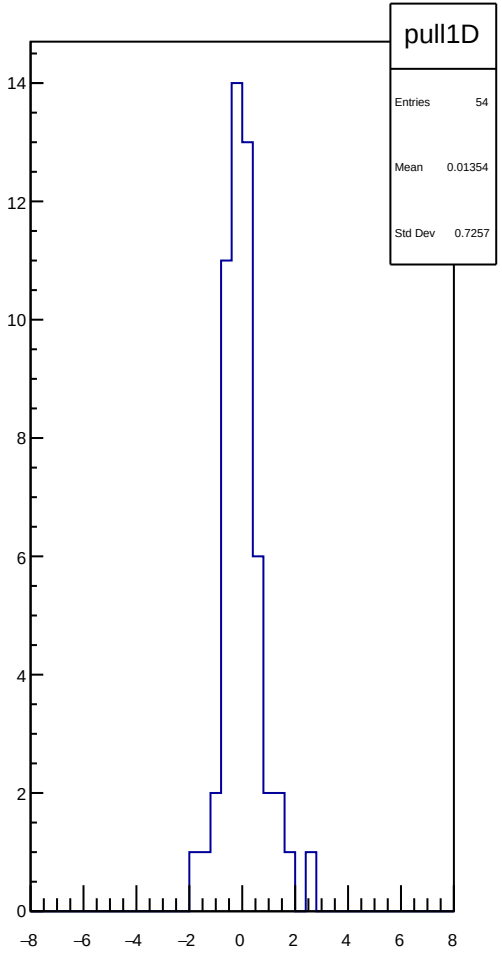

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.95 / 53
p0 −1.151 ± 4.985
pull
Entries 54
Mean −98.88
Std Dev 129.1

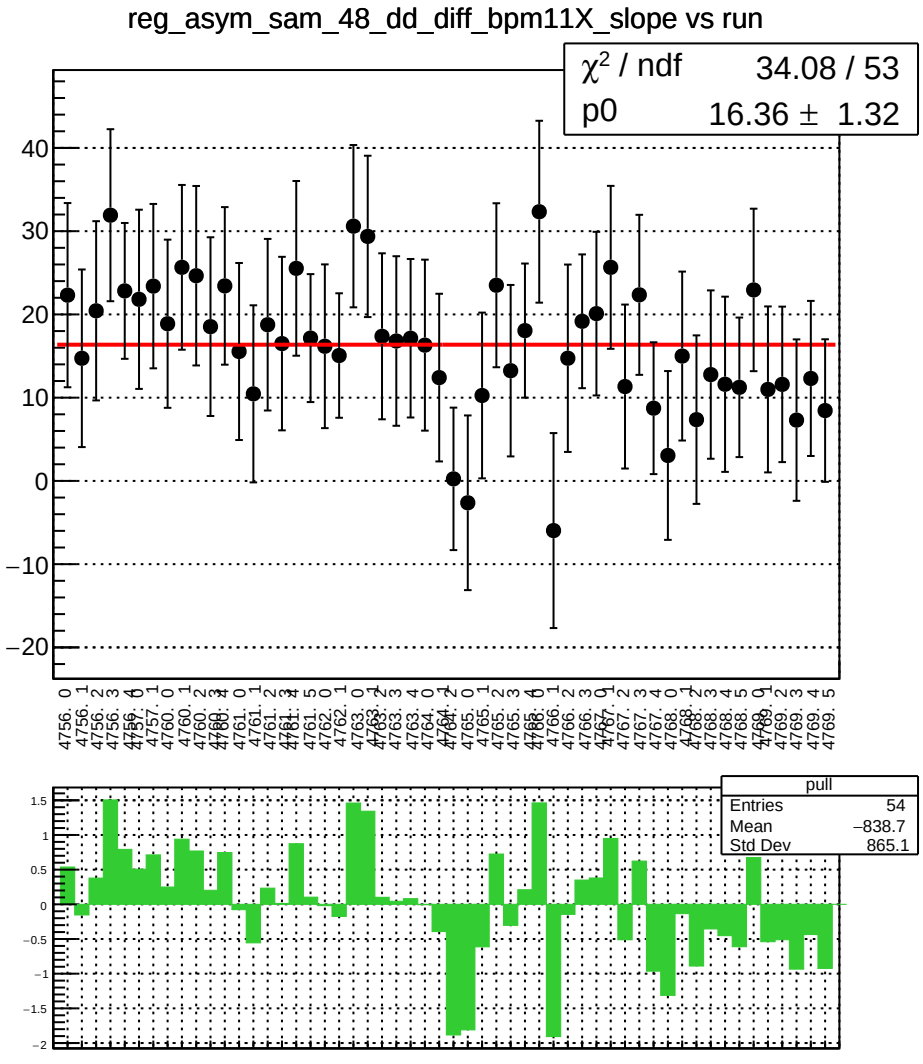

pull1D
Entries 54
Mean −0.01656
Std Dev 0.4701

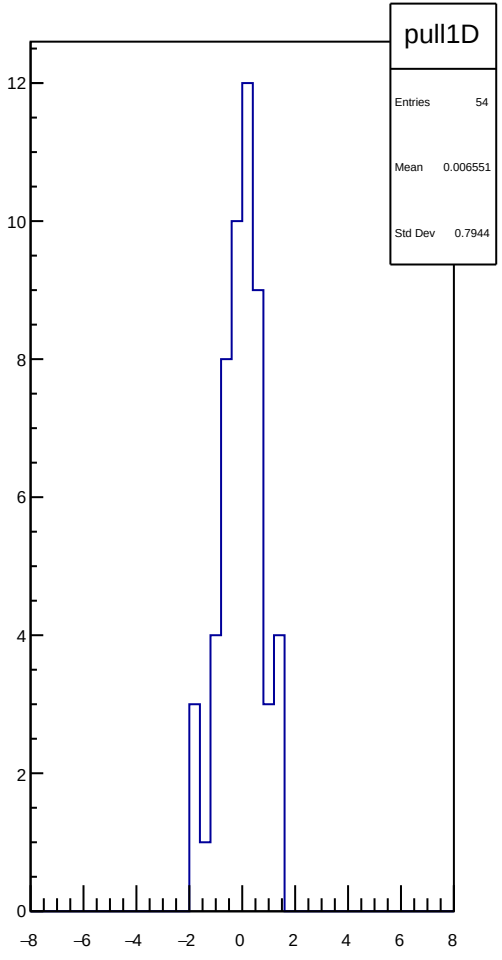

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.892 / 53
p0 −290 ± 0.8332
pull
Entries 54
Mean 2861
Std Dev 2822

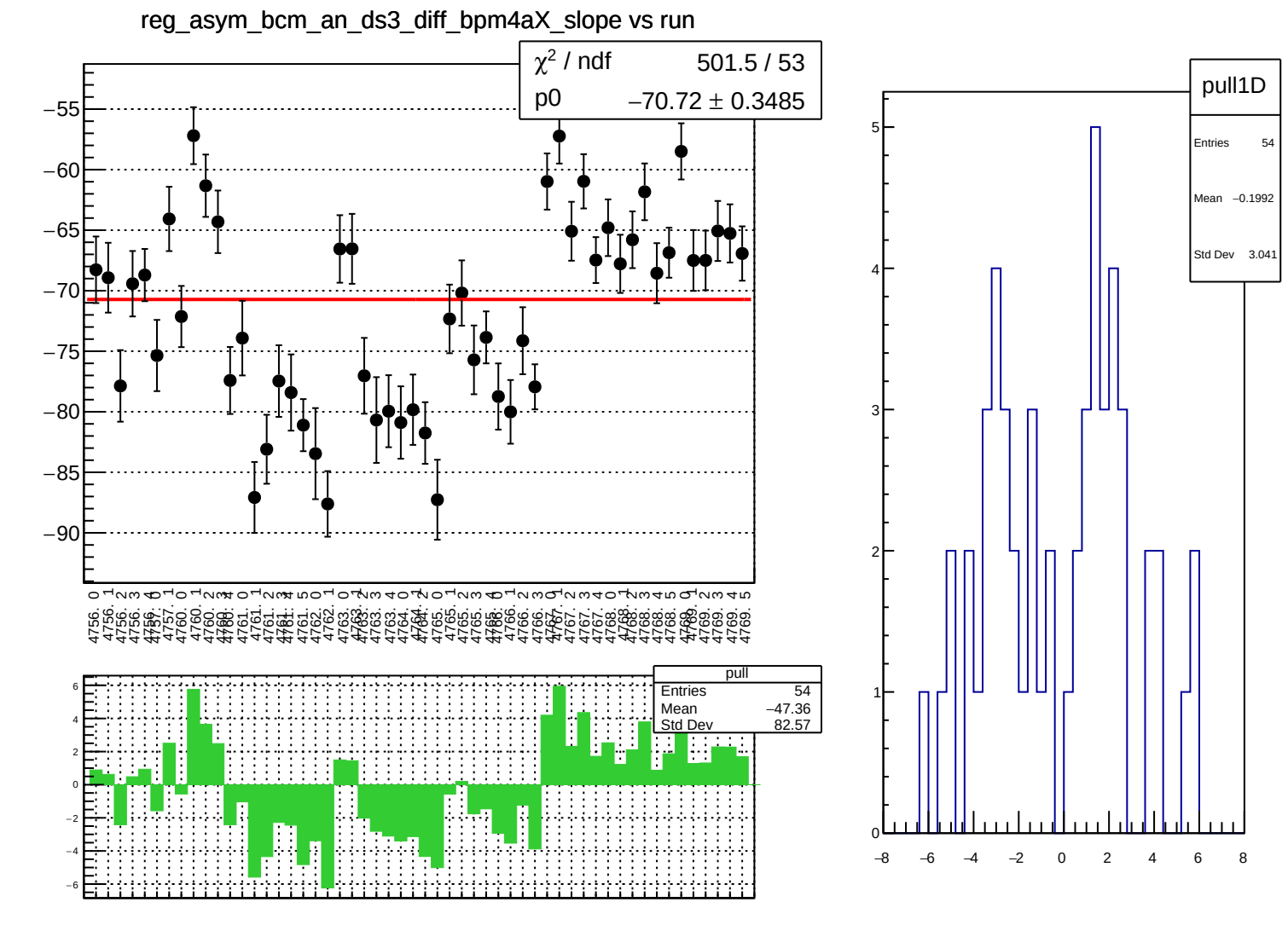

pull1D
Entries 54
Mean −0.0005819
Std Dev 0.4058

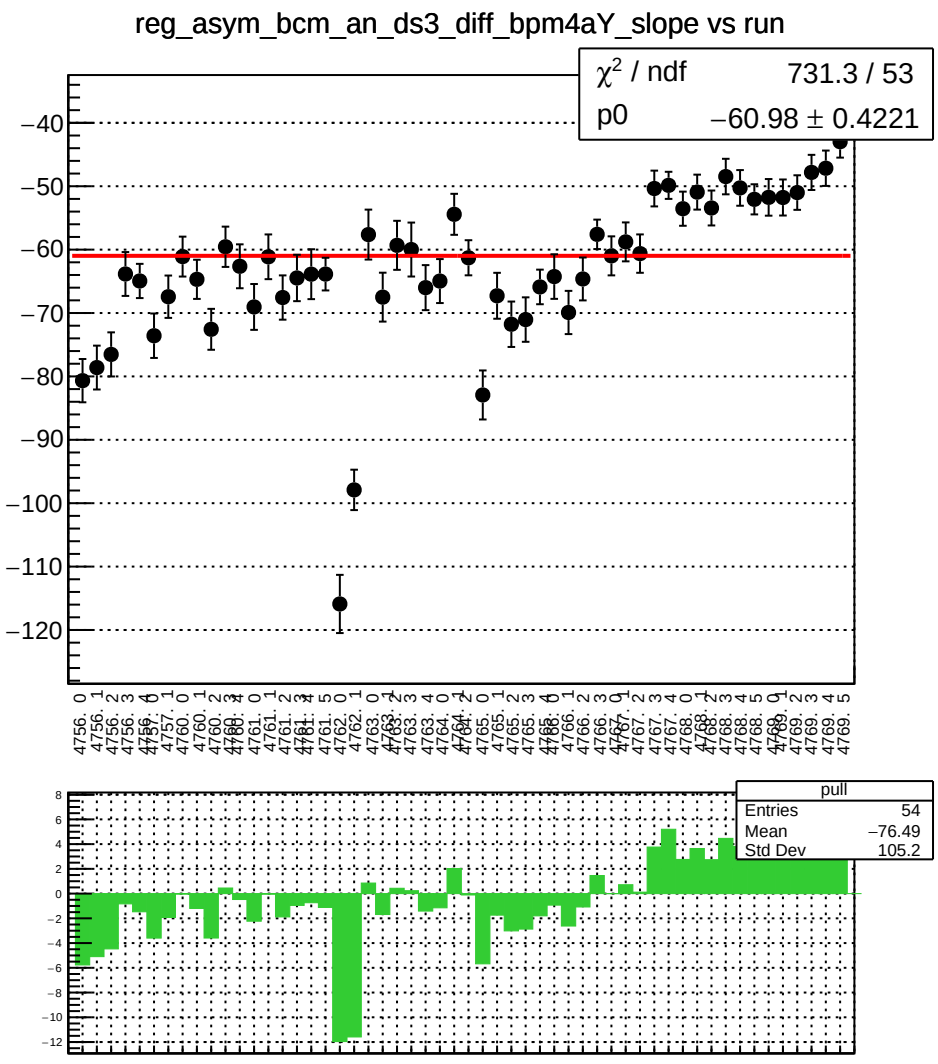

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.45 / 53
p0 159.3 ± 5.887
pull
Entries 54
Mean 58.36
Std Dev 52.82

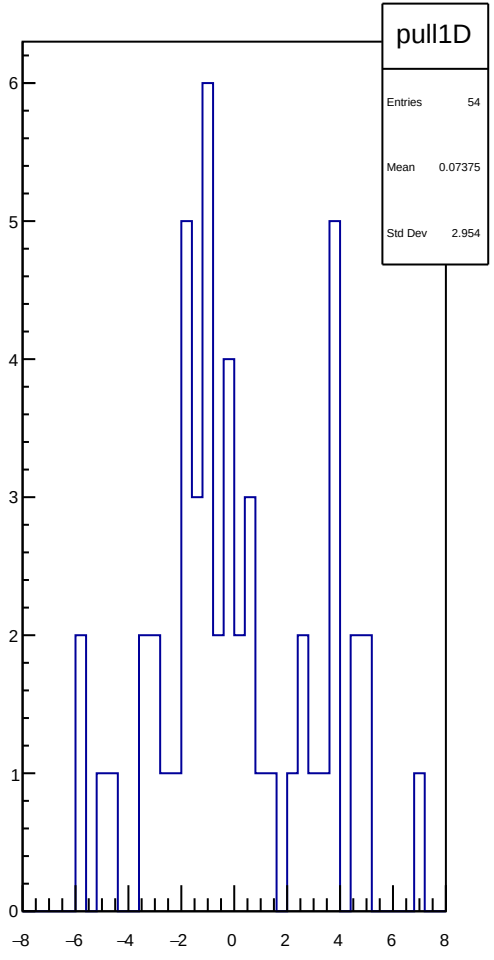

pull1D
Entries 54
Mean 0.01354
Std Dev 0.7257

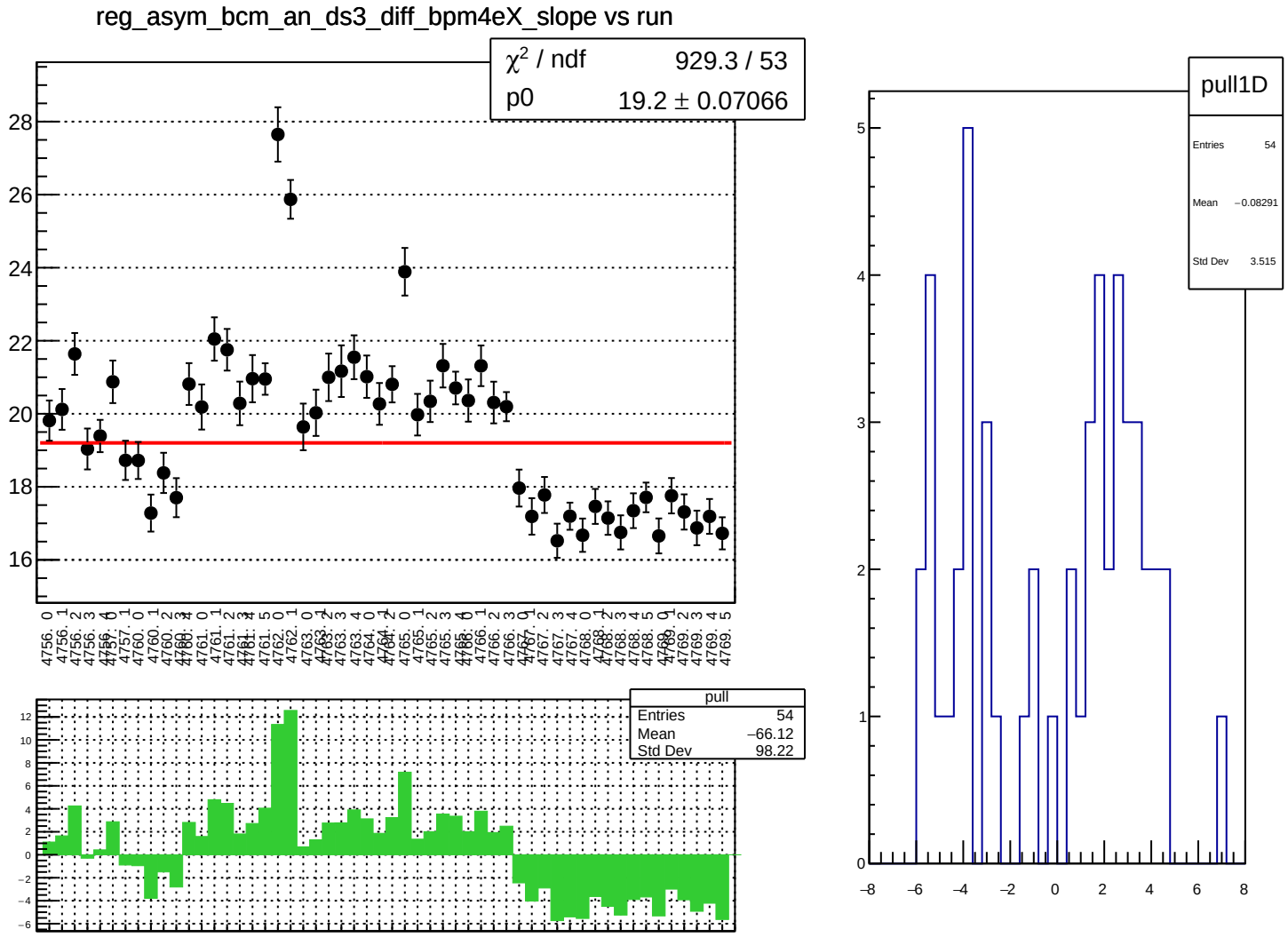

reg_asym_sam_48_dd_diff_bpm11X_slope vs run
χ² / ndf 34.08 / 53
p0 16.36 ± 1.32
pull
Entries 54
Mean −838.7
Std Dev 865.1

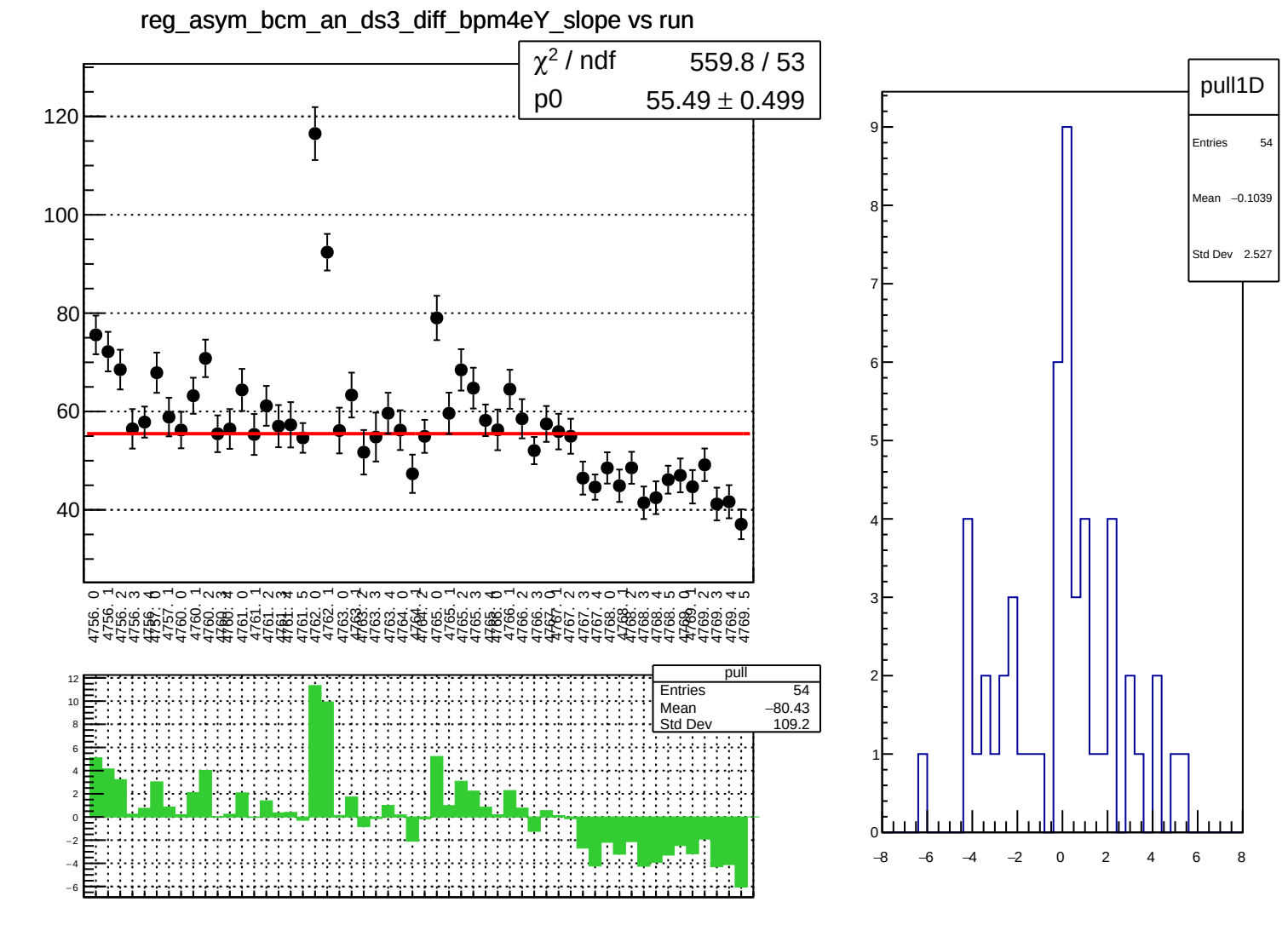

pull1D
Entries 54
Mean 0.006551
Std Dev 0.7944

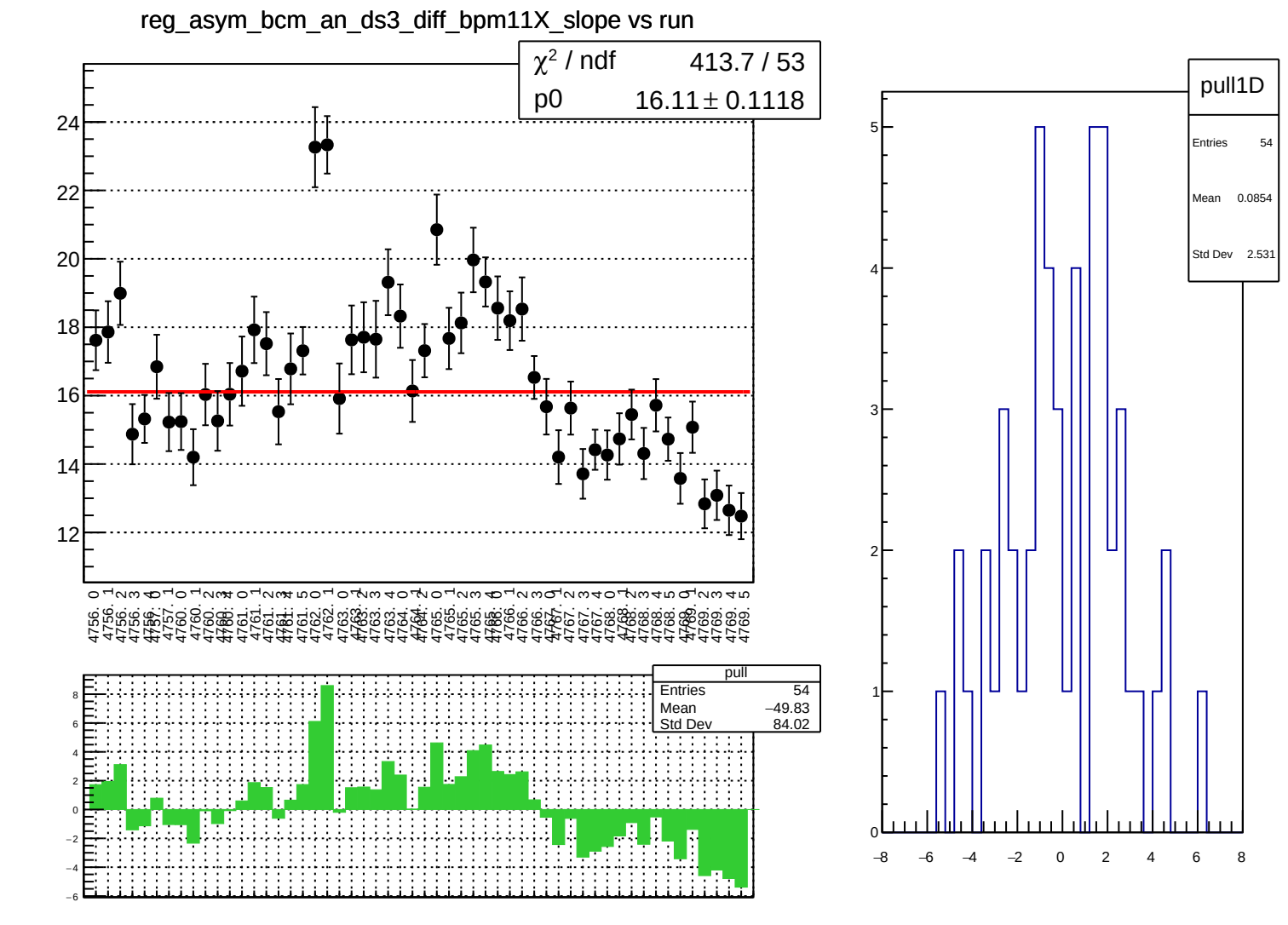

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 501.5 / 53
p0 −70.72 ± 0.3485
pull
Entries 54
Mean −47.36
Std Dev 82.57
pull1D
Entries 54
Mean −0.1992
Std Dev 3.041

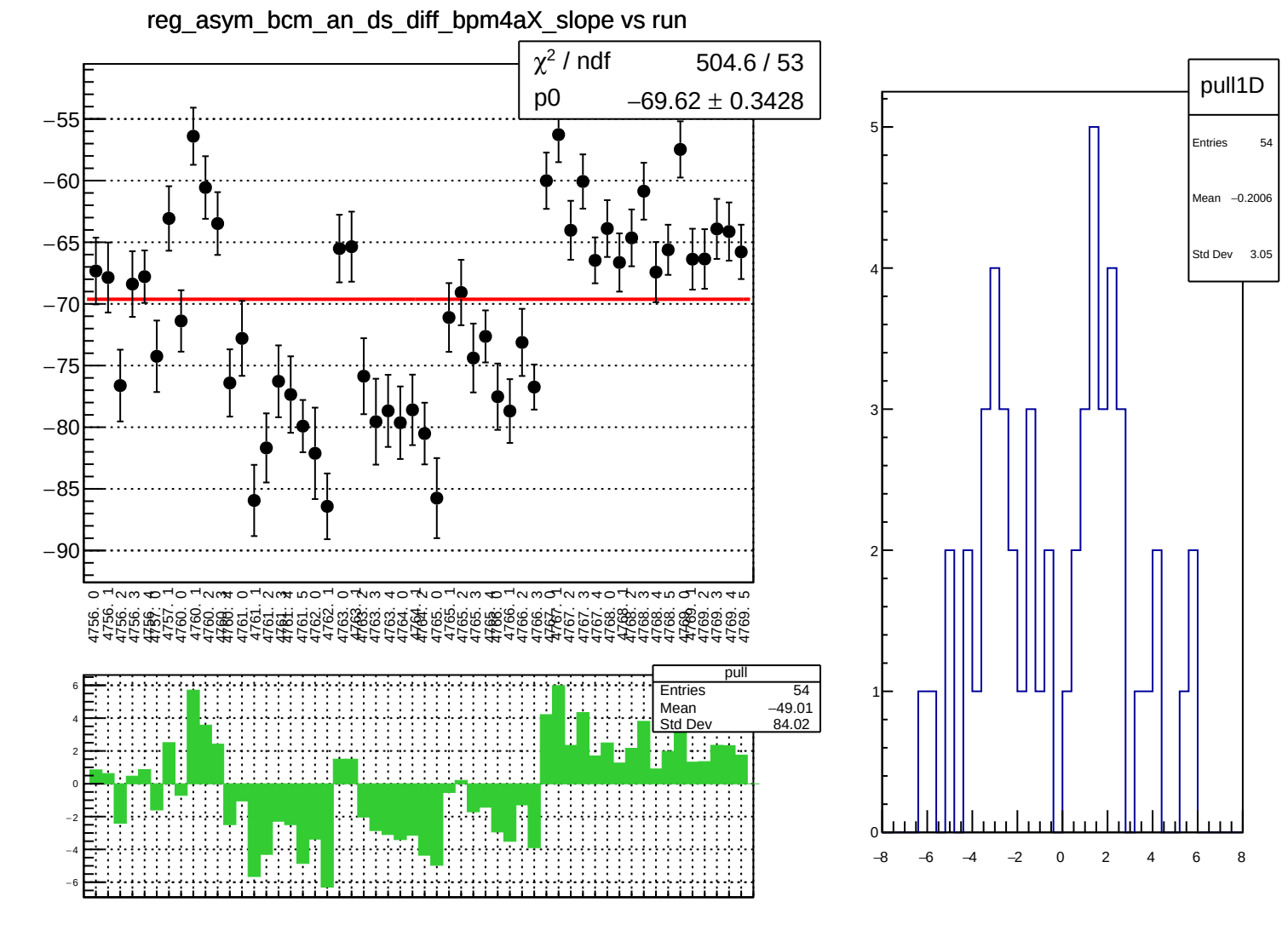

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 731.3 / 53
p0 −60.98 ± 0.4221
pull
Entries 54
Mean −76.49
Std Dev 105.2

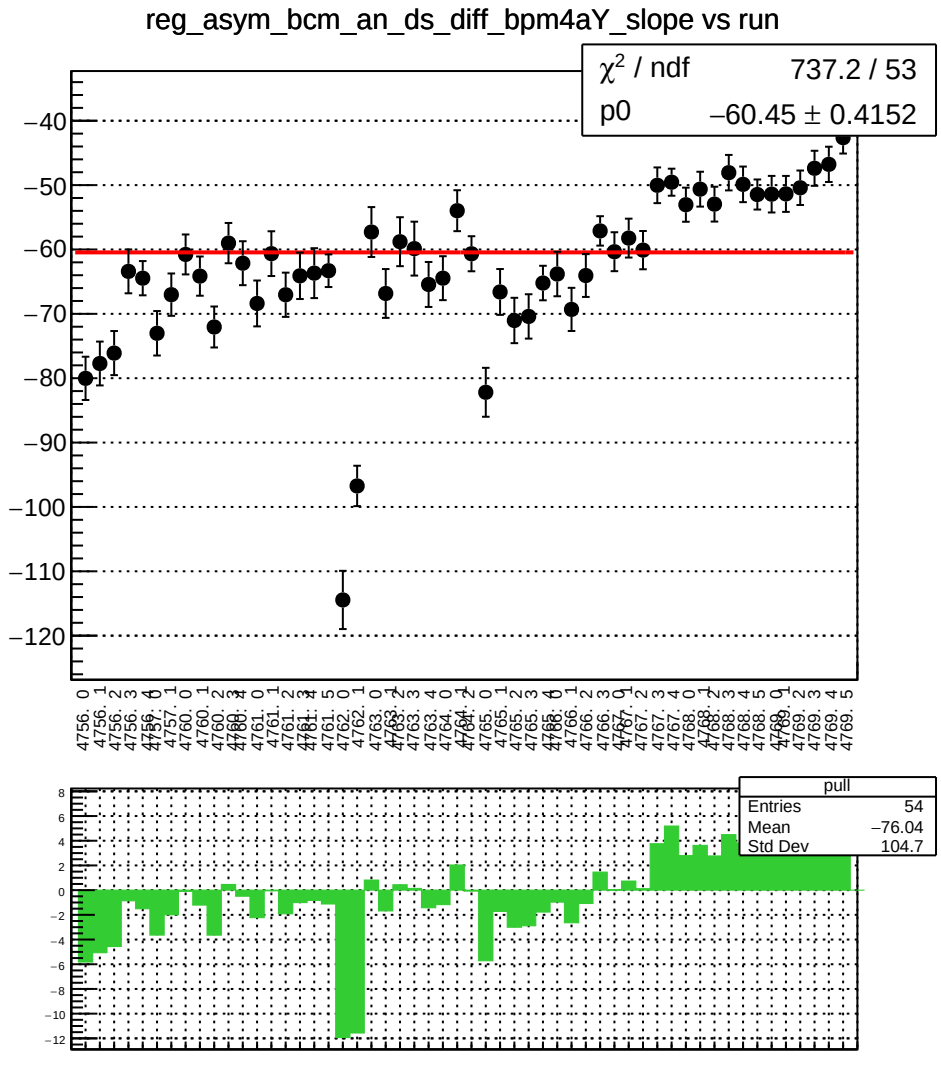

pull1D
Entries 54
Mean 0.07375
Std Dev 2.954

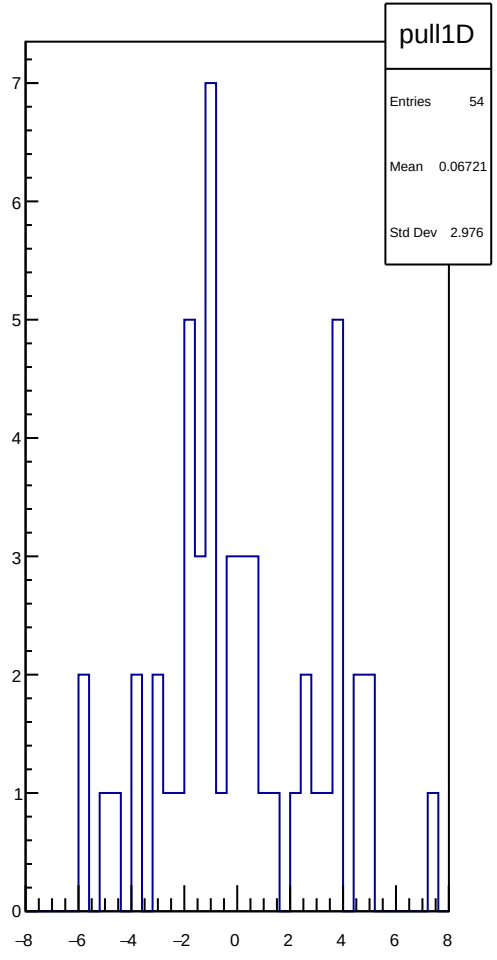

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 929.3 / 53
p0 19.2 ± 0.07066
pull
Entries 54
Mean −66.12
Std Dev 98.22
pull1D
Entries 54
Mean −0.08291
Std Dev 3.515

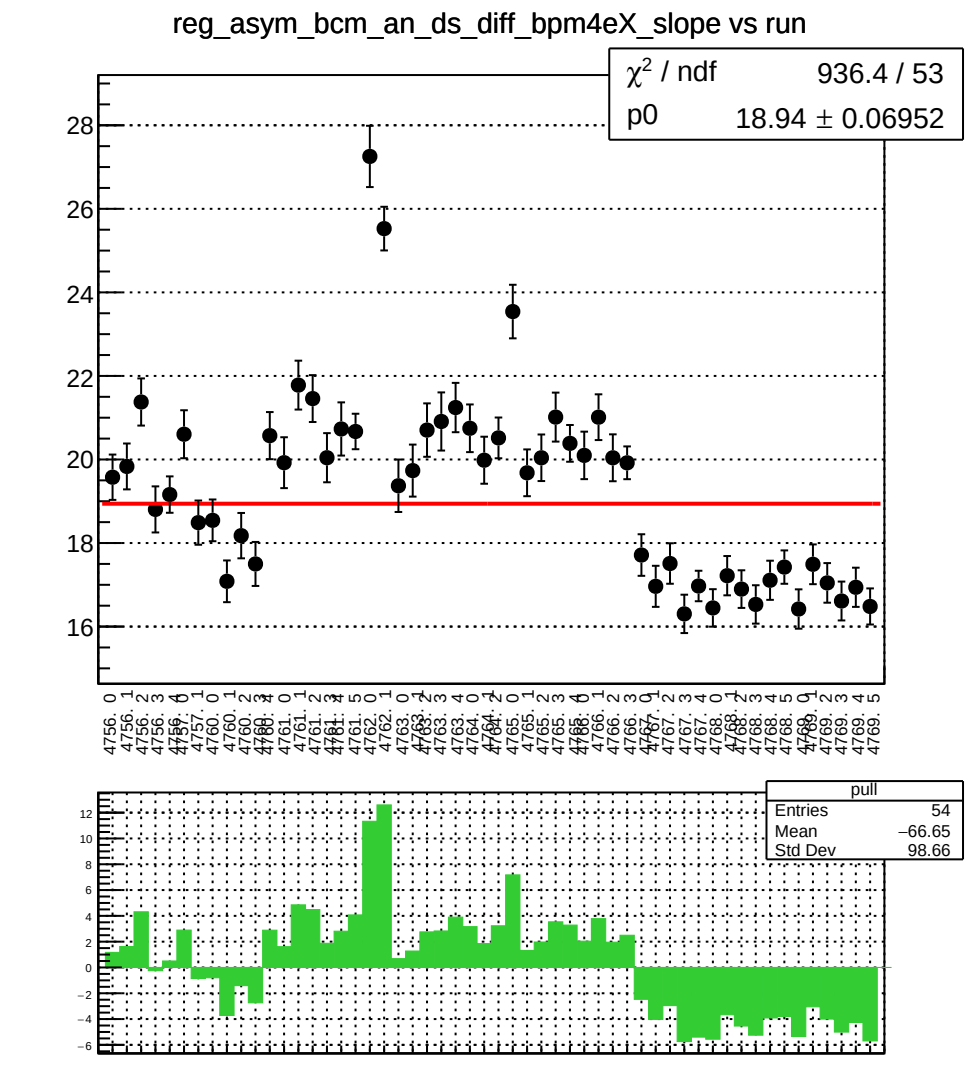

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 559.8 / 53
p0 55.49 ± 0.499
pull
Entries 54
Mean −80.43
Std Dev 109.2
pull1D
Entries 54
Mean −0.1039
Std Dev 2.527

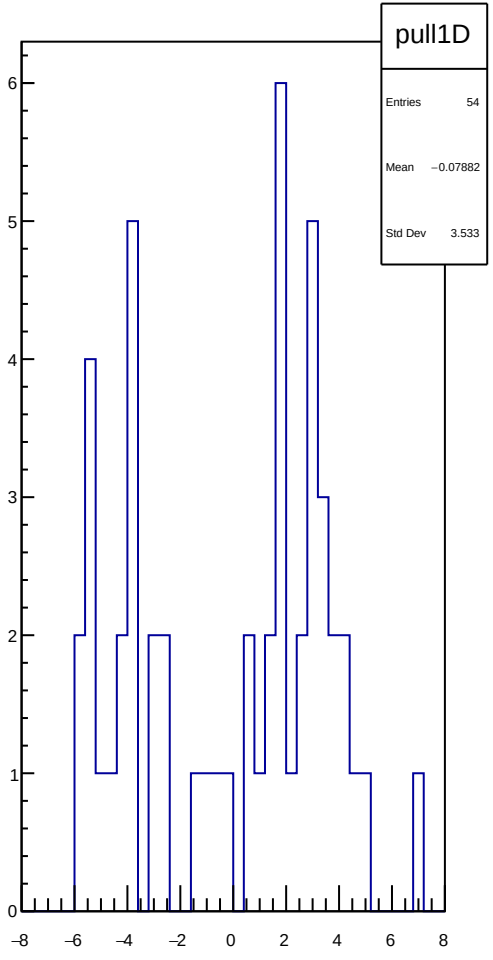

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs run
χ² / ndf 413.7 / 53
p0 16.11 ± 0.1118
pull
Entries 54
Mean −49.83
Std Dev 84.02
pull1D
Entries 54
Mean 0.0854
Std Dev 2.531

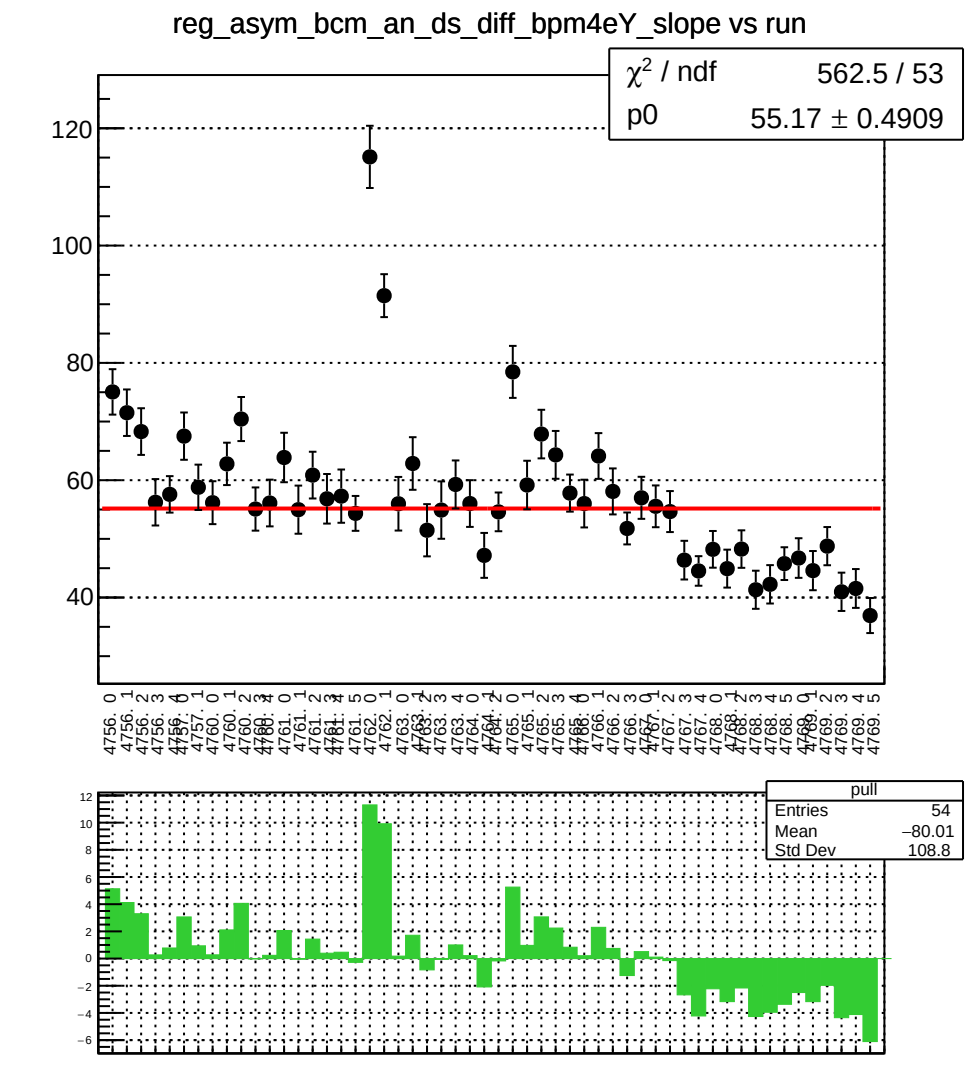

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 504.6 / 53
p0 −69.62 ± 0.3428
pull
Entries 54
Mean −49.01
Std Dev 84.02
pull1D
Entries 54
Mean −0.2006
Std Dev 3.05

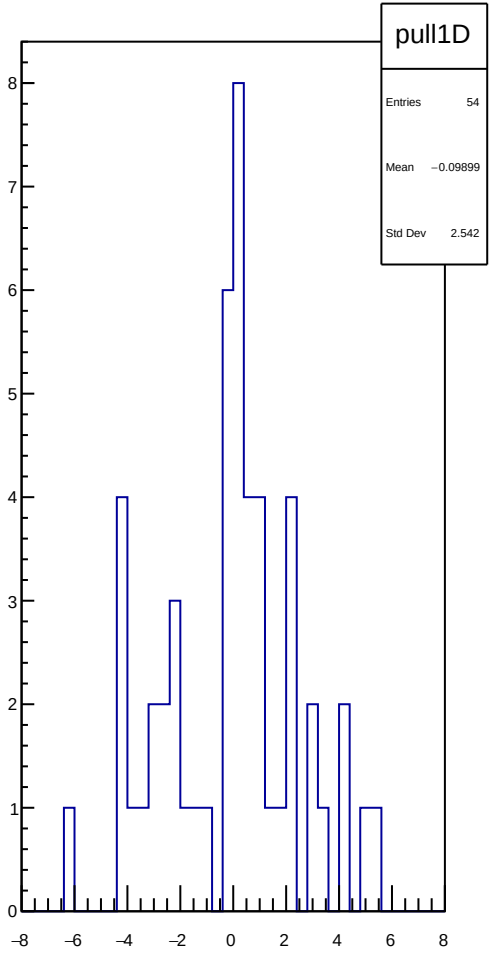

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 737.2 / 53
p0 −60.45 ± 0.4152
pull
Entries 54
Mean −76.04
Std Dev 104.7

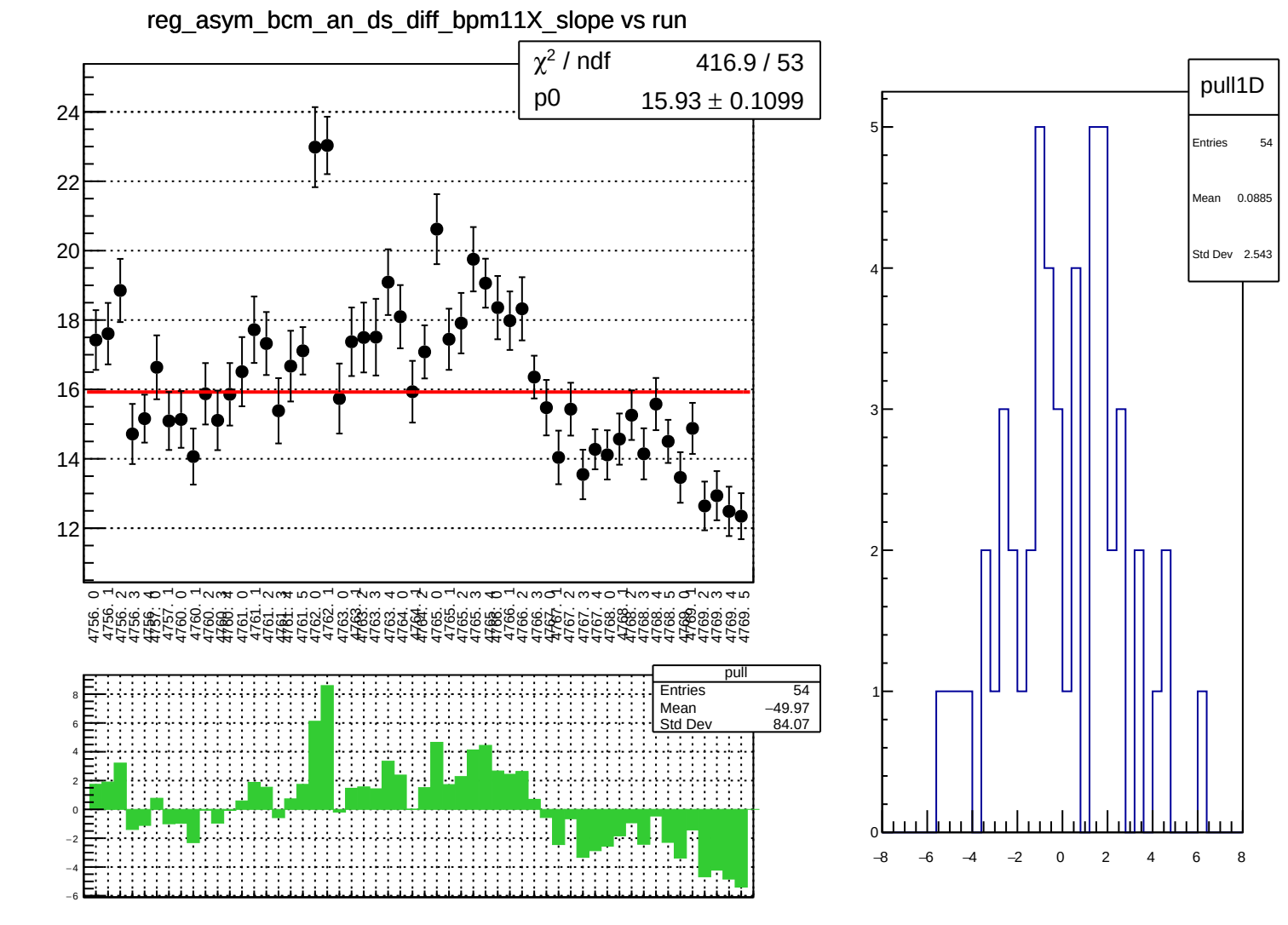

pull1D
Entries 54
Mean 0.06721
Std Dev 2.976

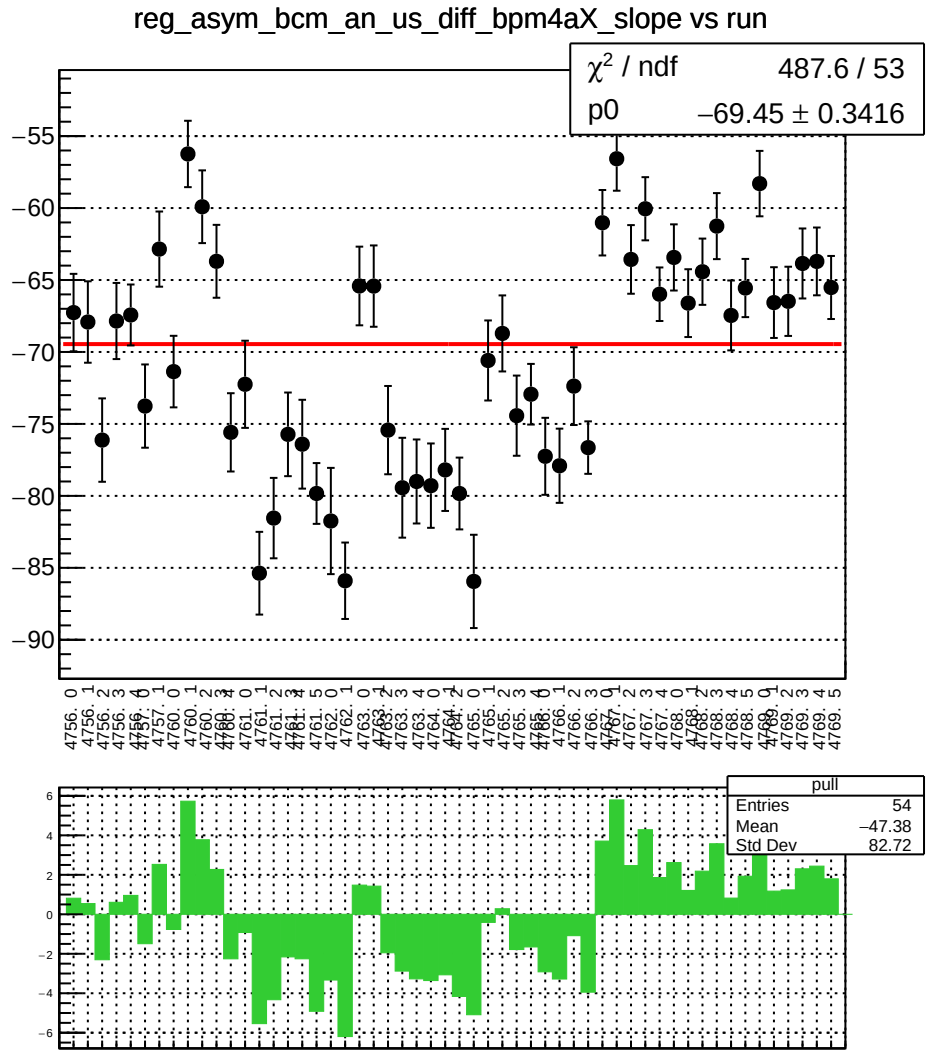

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 936.4 / 53
p0 18.94 ± 0.06952
pull
Entries 54
Mean −66.65
Std Dev 98.66

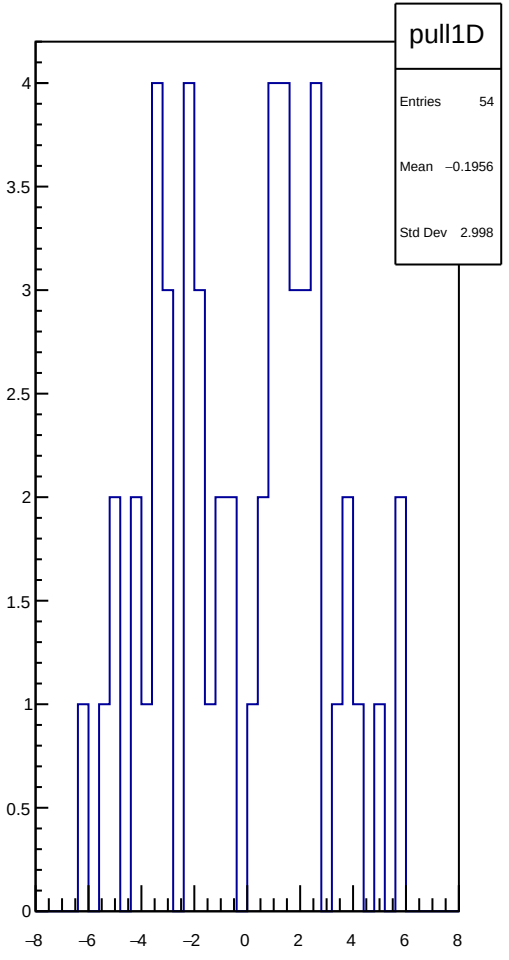

pull1D
Entries 54
Mean −0.07882
Std Dev 3.533

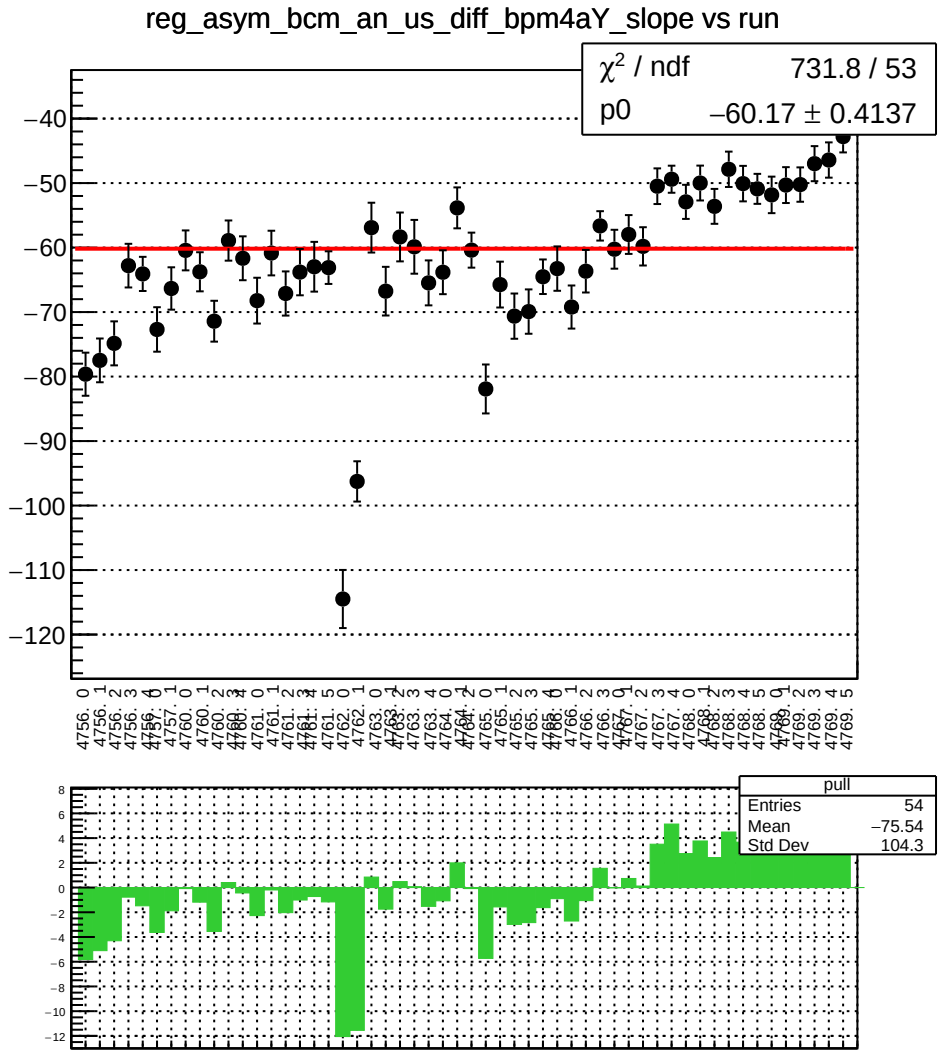

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 562.5 / 53
p0 55.17 ± 0.4909
pull
Entries 54
Mean −80.01
Std Dev 108.8

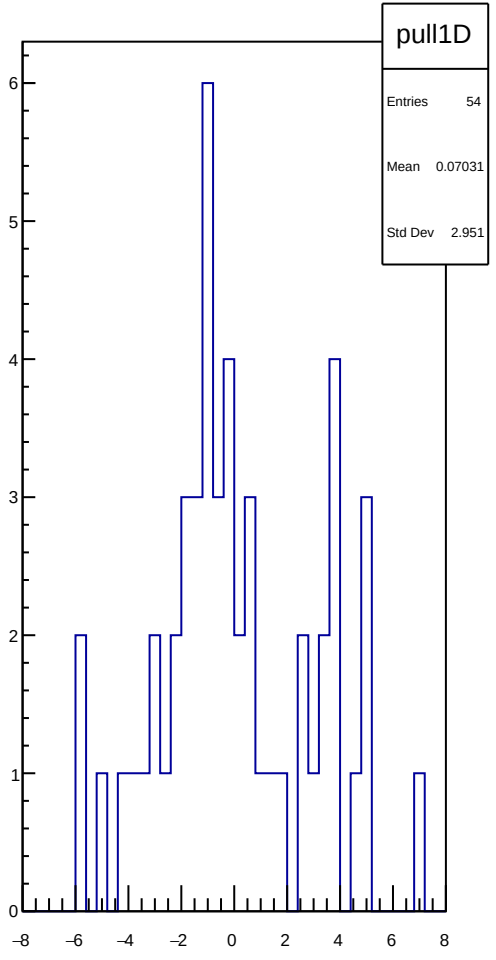

pull1D
Entries 54
Mean −0.09899
Std Dev 2.542

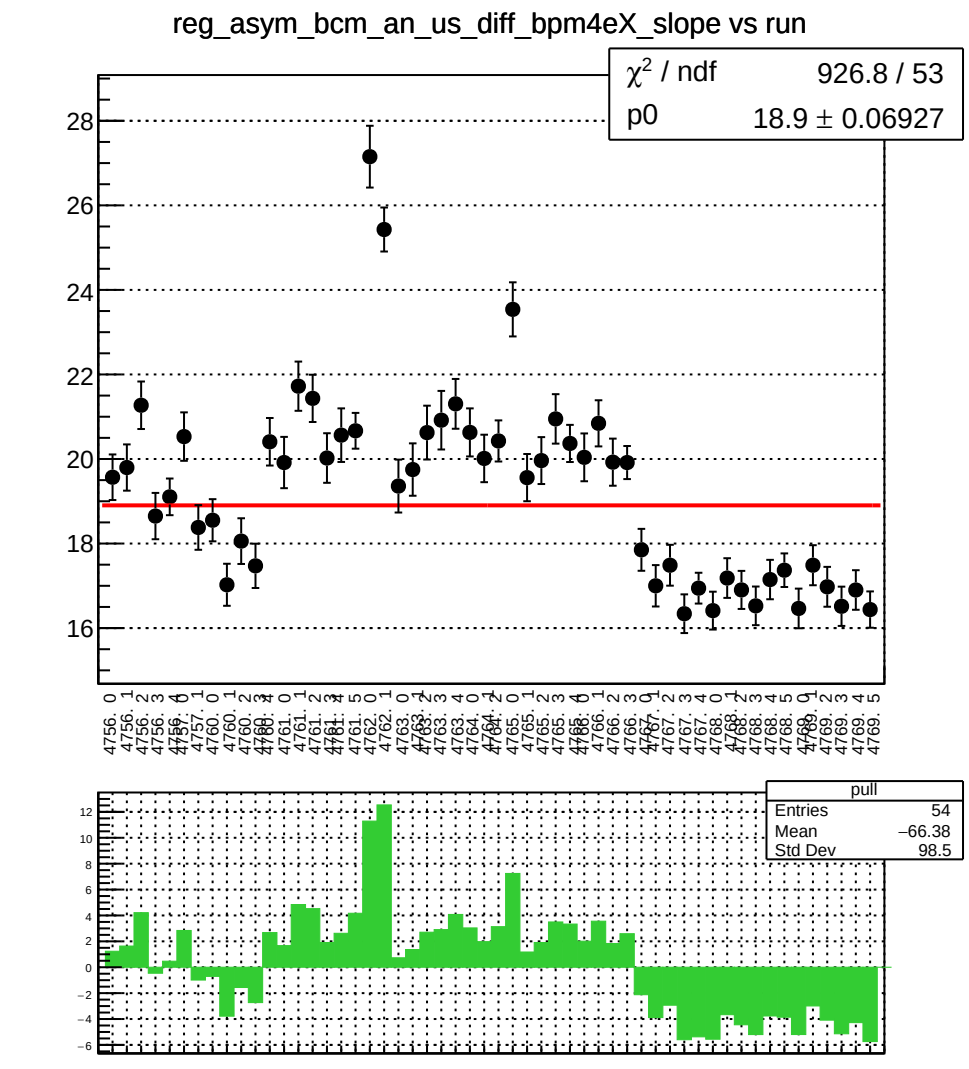

reg_asym_bcm_an_ds_diff_bpm11X_slope vs run
χ² / ndf 416.9 / 53
p0 15.93 ± 0.1099
pull
Entries 54
Mean −49.97
Std Dev 84.07
pull1D
Entries 54
Mean 0.0885
Std Dev 2.543

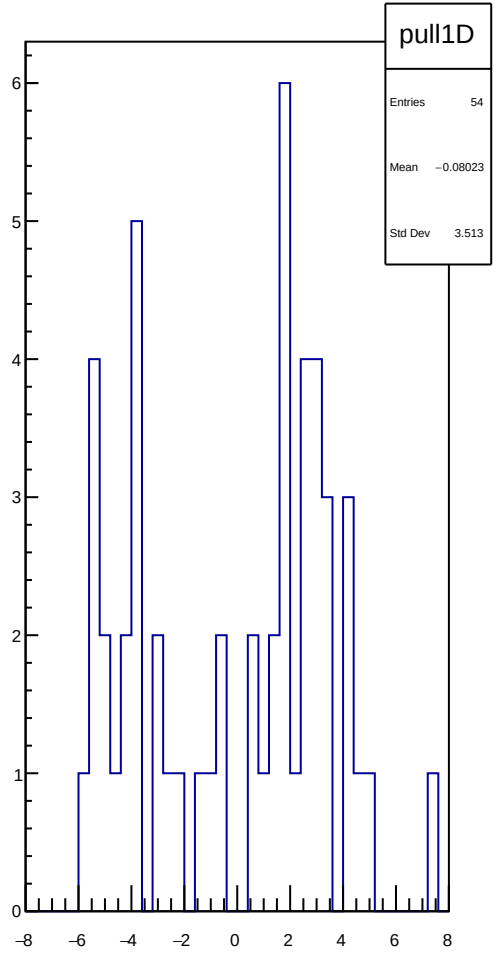

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 487.6 / 53
p0 −69.45 ± 0.3416
pull
Entries 54
Mean −47.38
Std Dev 82.72

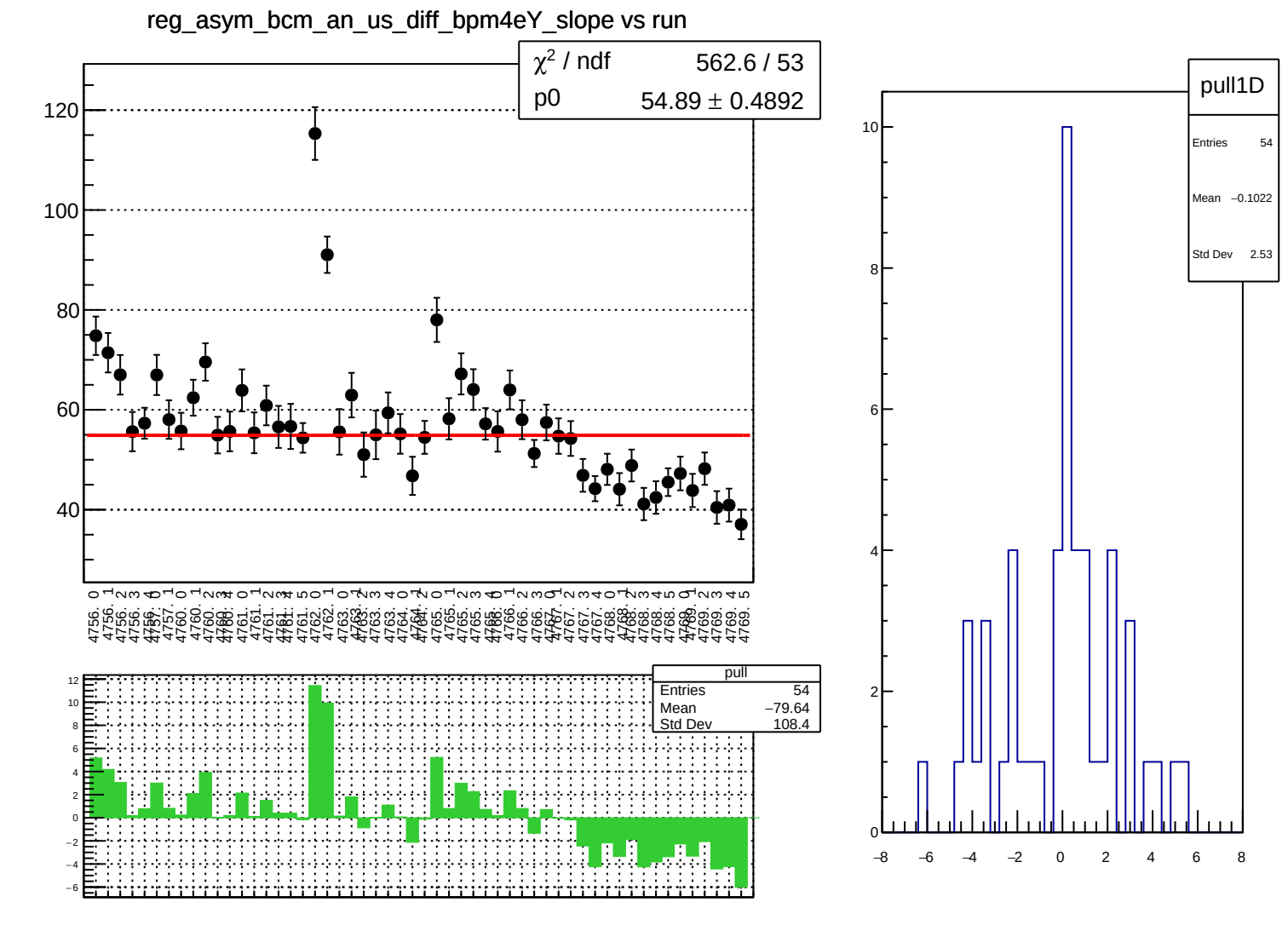

pull1D
Entries 54
Mean −0.1956
Std Dev 2.998

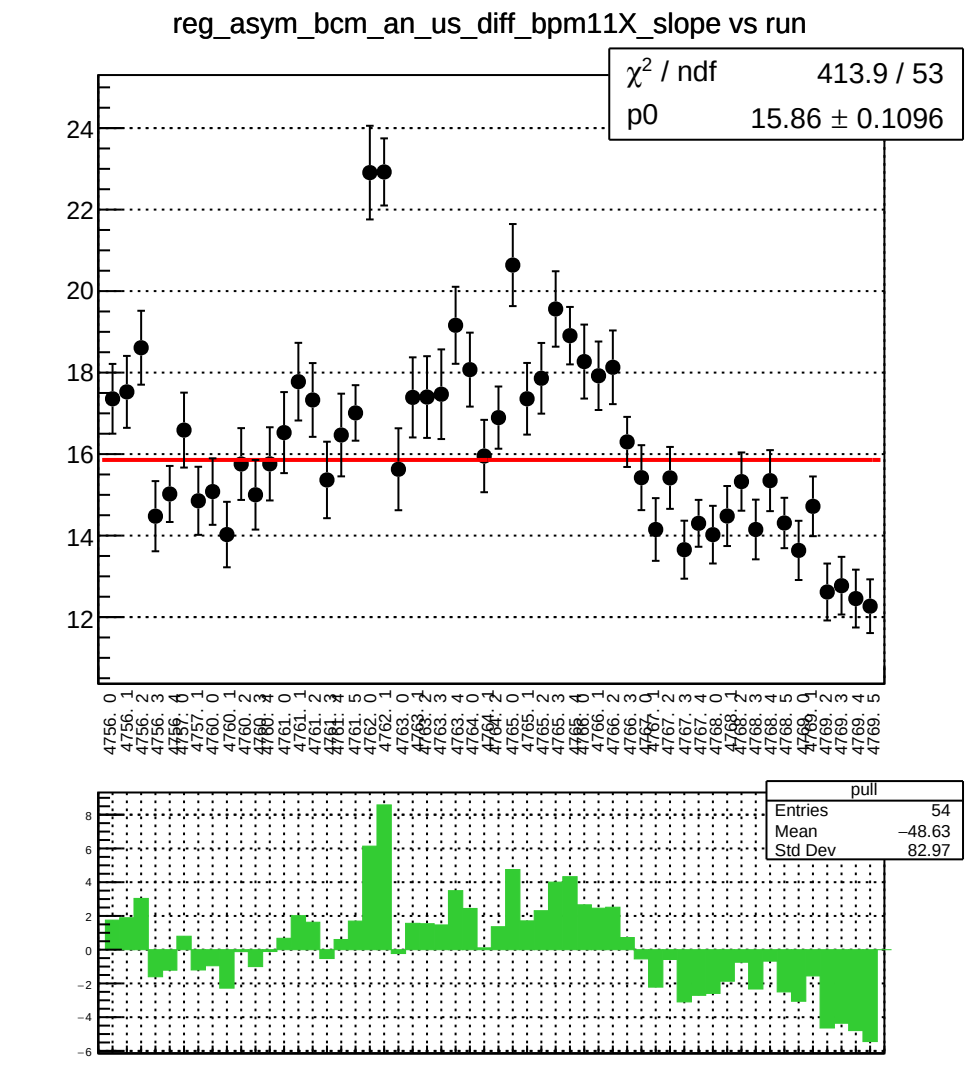

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 731.8 / 53
p0 −60.17 ± 0.4137
pull
Entries 54
Mean −75.54
Std Dev 104.3

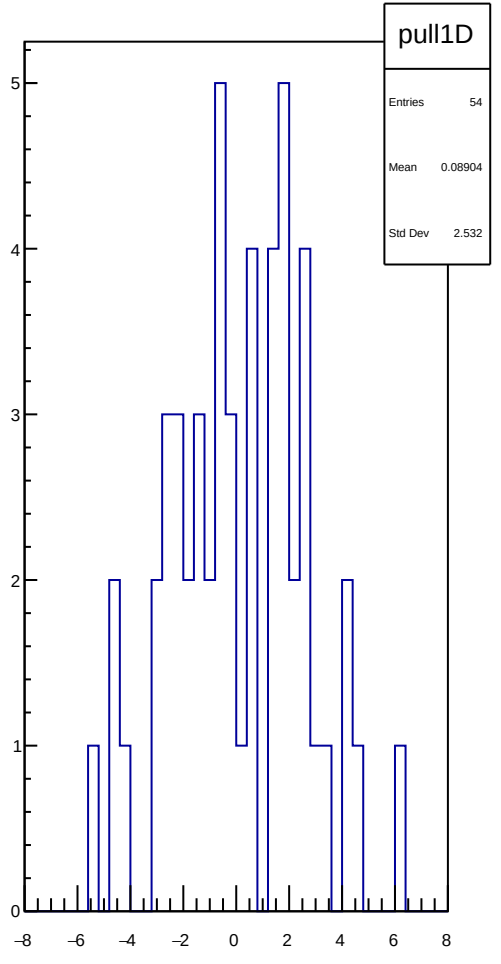

pull1D
Entries 54
Mean 0.07031
Std Dev 2.951

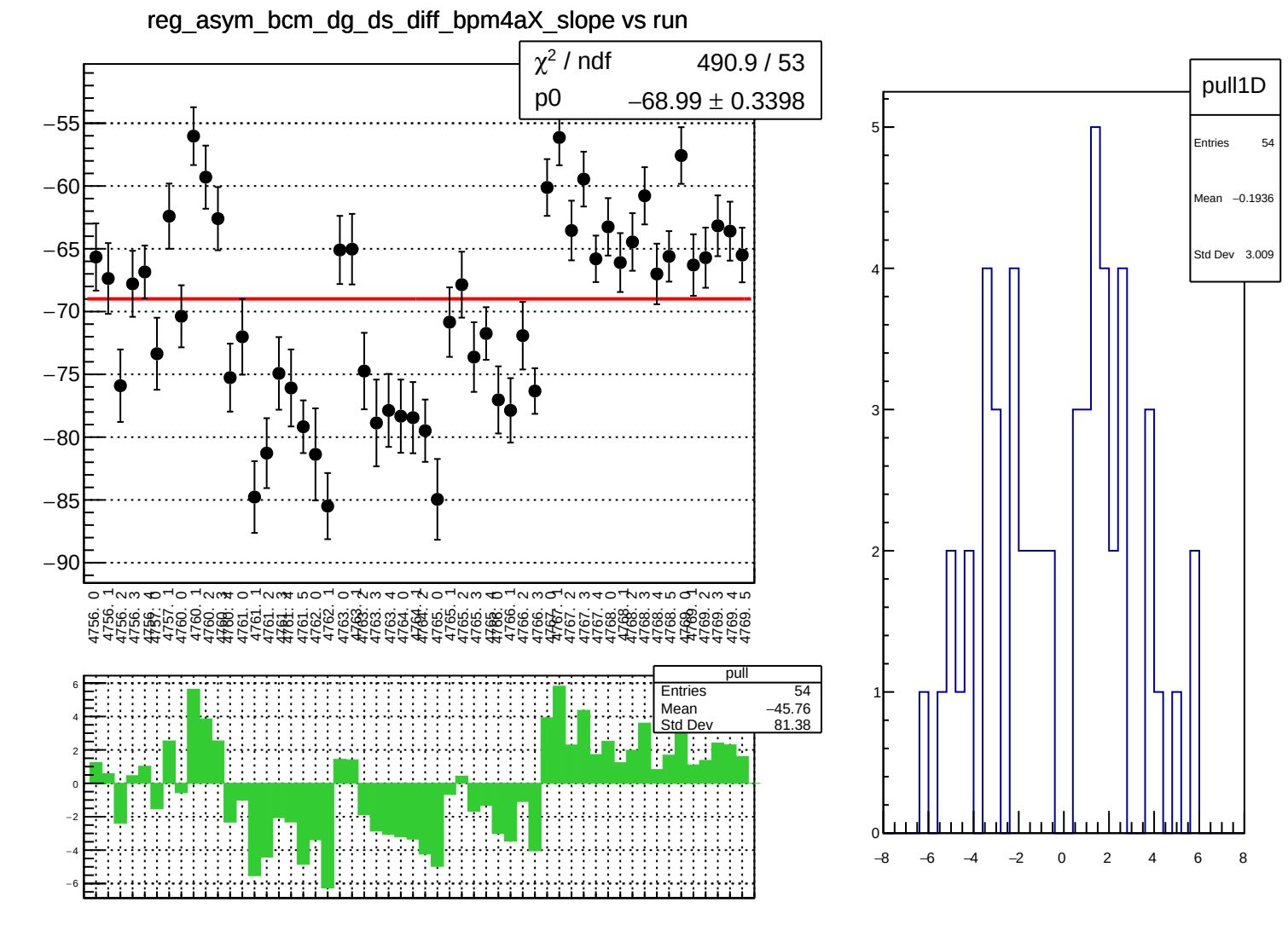

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 926.8 / 53
p0 18.9 ± 0.06927
pull
Entries 54
Mean −66.38
Std Dev 98.5

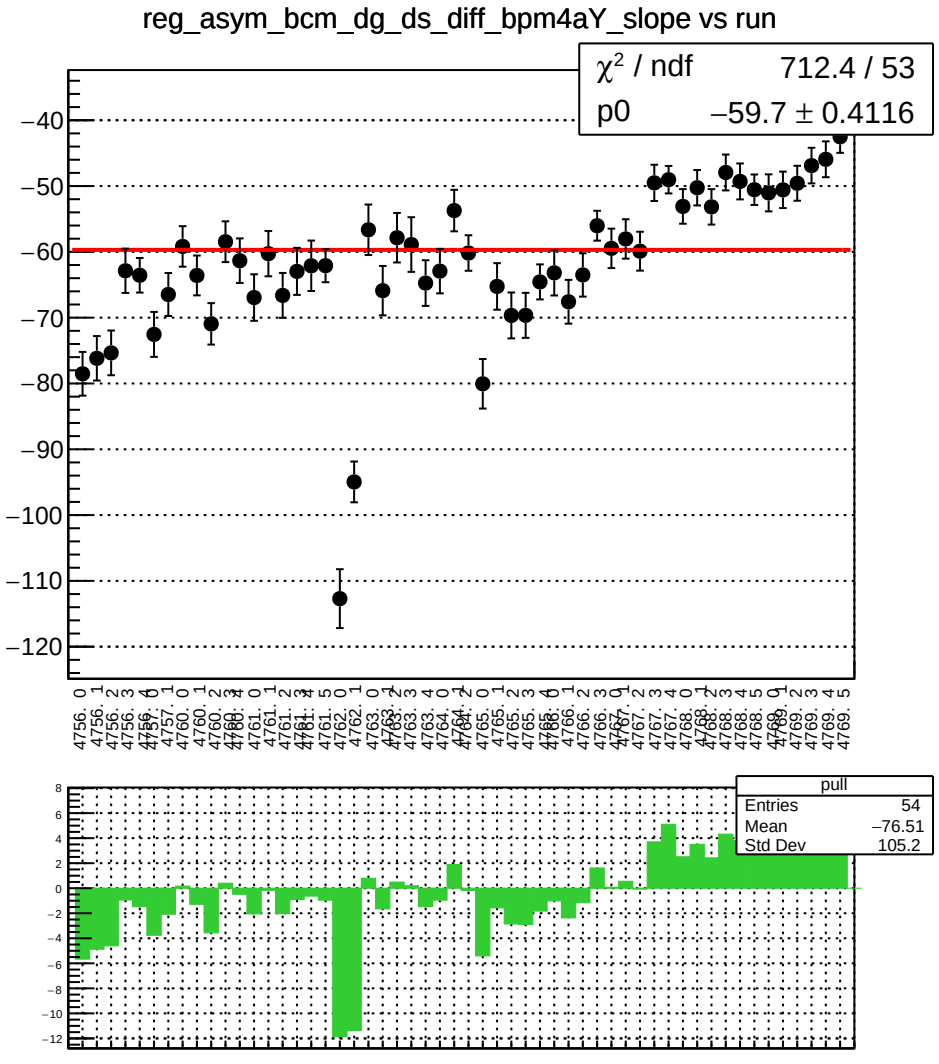

pull1D
Entries 54
Mean −0.08023
Std Dev 3.513

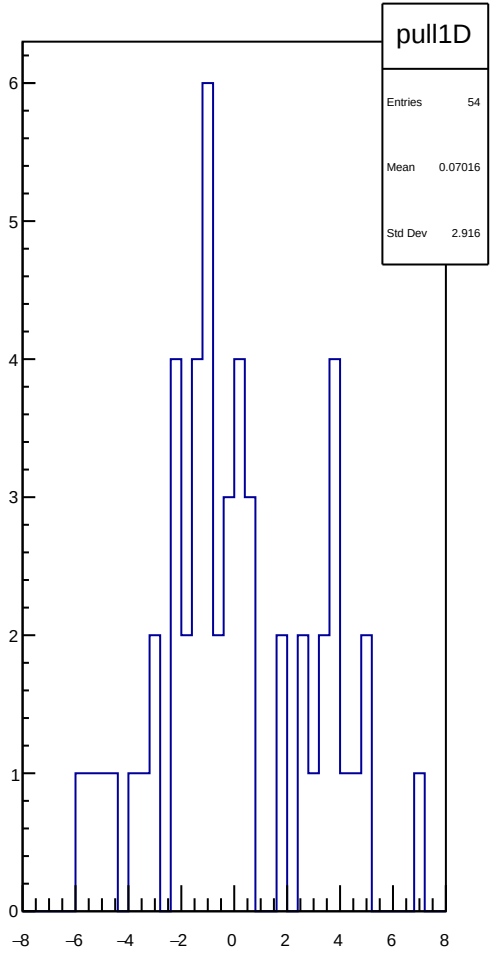

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 562.6 / 53
p0 54.89 ± 0.4892
120
100
80
60
40
pull
Entries 54
Mean −79.64
Std Dev 108.4
pull1D
Entries 54
Mean −0.1022
Std Dev 2.53

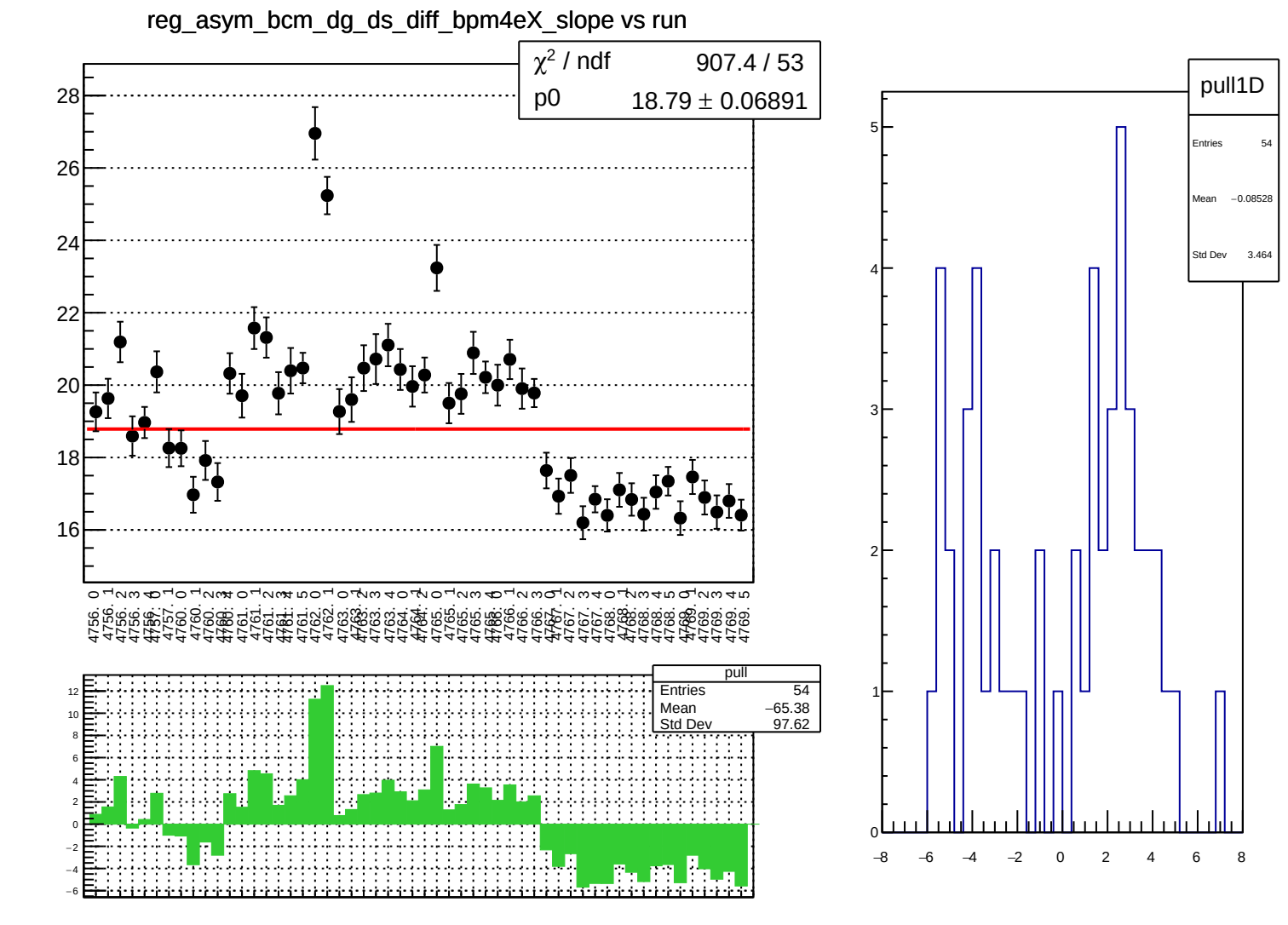

reg_asym_bcm_an_us_diff_bpm11X_slope vs run
χ² / ndf 413.9 / 53
p0 15.86 ± 0.1096
pull
Entries 54
Mean −48.63
Std Dev 82.97

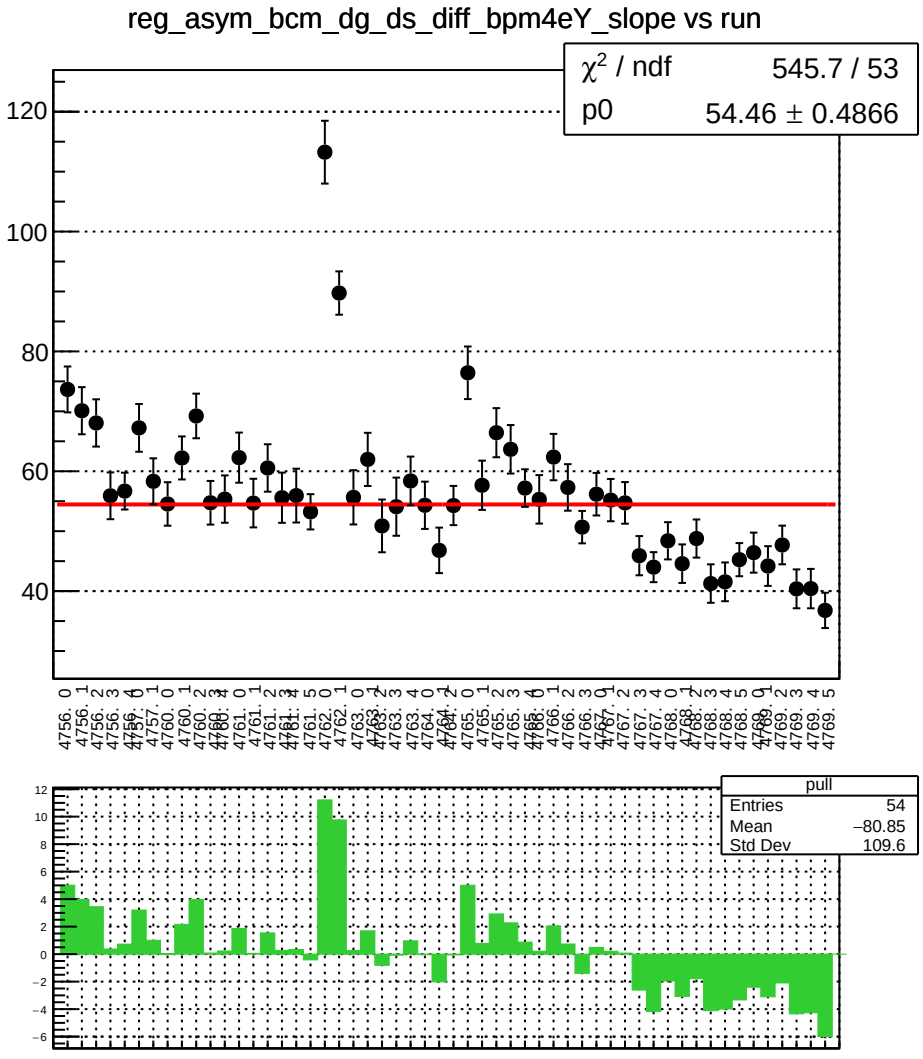

pull1D
Entries 54
Mean 0.08904
Std Dev 2.532

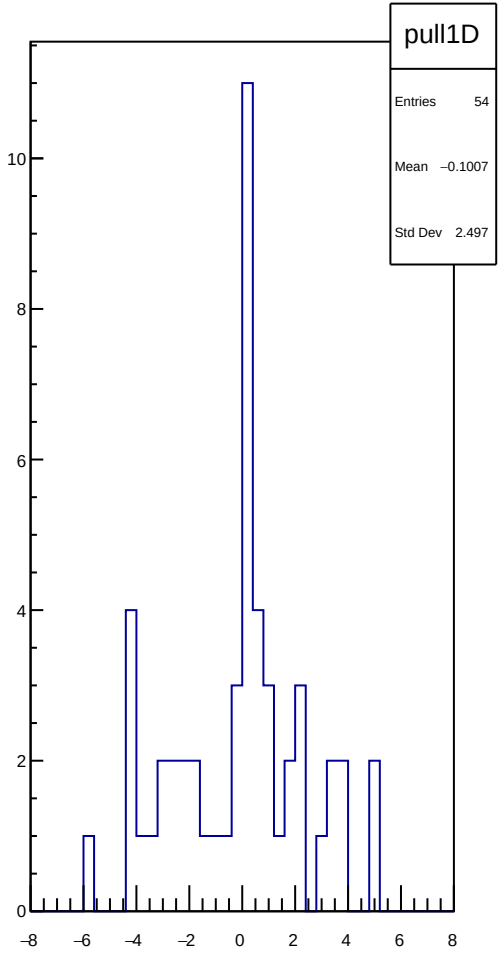

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 490.9 / 53
p0 −68.99 ± 0.3398
pull
Entries 54
Mean −45.76
Std Dev 81.38
pull1D
Entries 54
Mean −0.1936
Std Dev 3.009

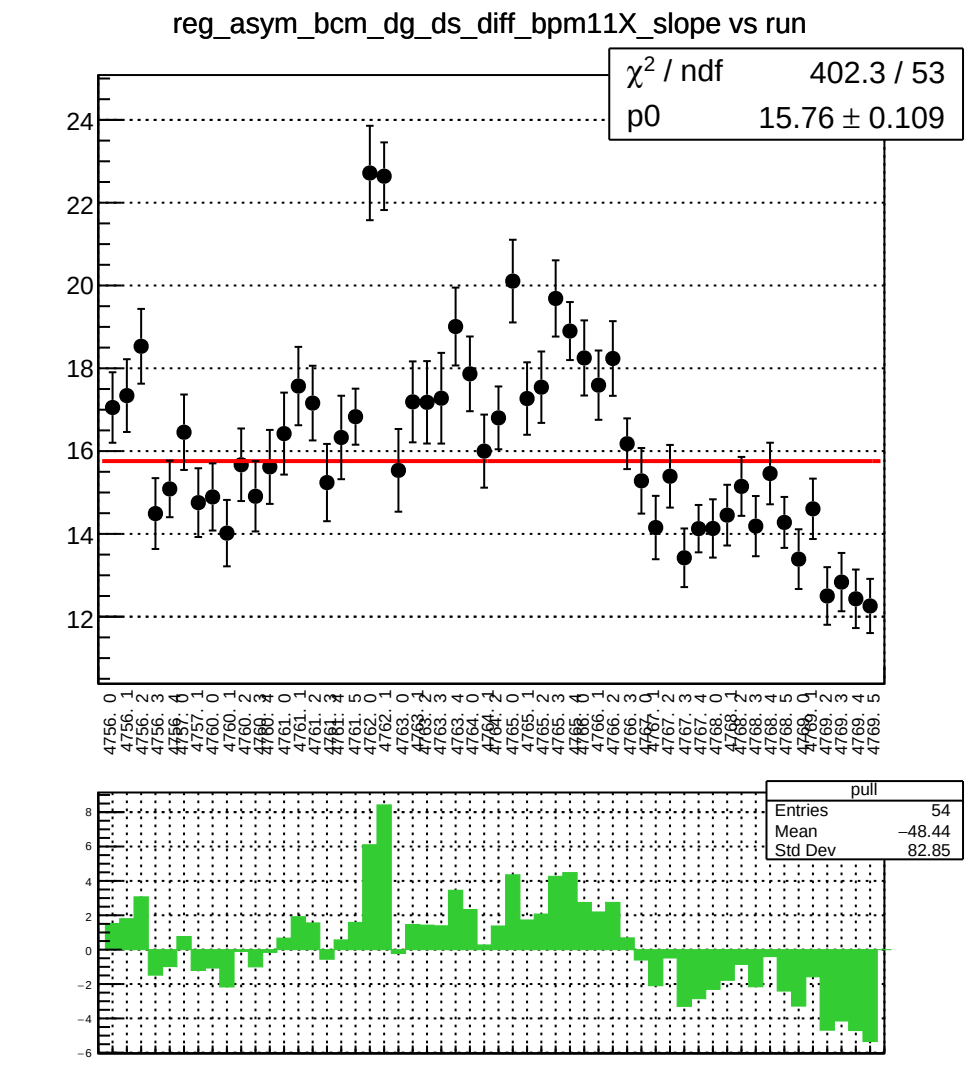

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 712.4 / 53
p0 −59.7 ± 0.4116
pull
Entries 54
Mean −76.51
Std Dev 105.2

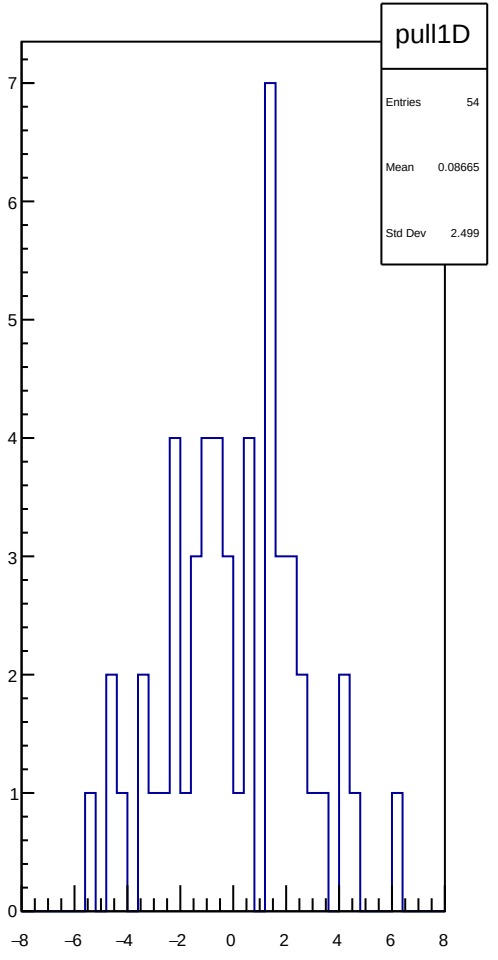

pull1D
Entries 54
Mean 0.07016
Std Dev 2.916

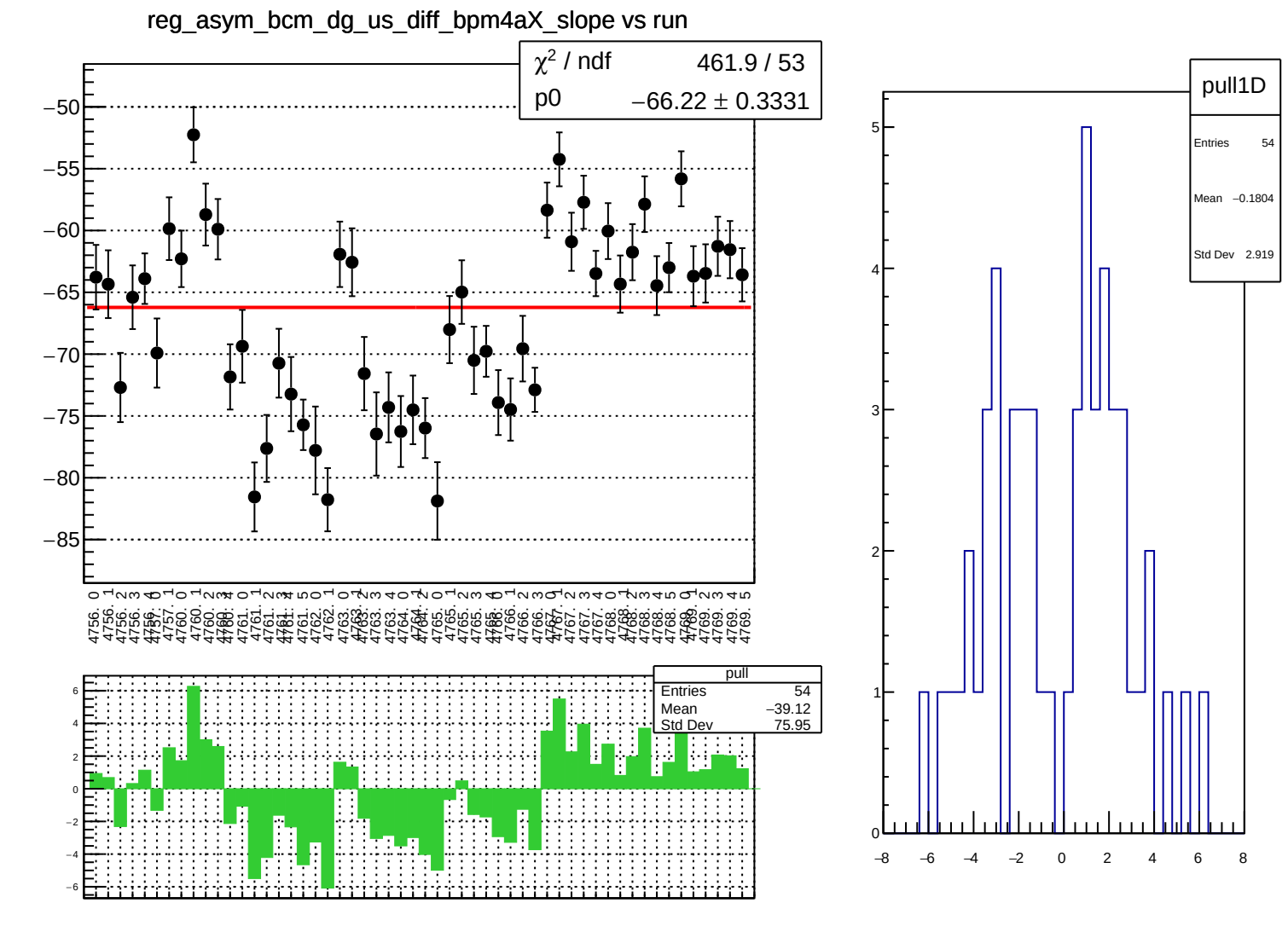

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 907.4 / 53
p0 18.79 ± 0.06891
pull
Entries 54
Mean −65.38
Std Dev 97.62
pull1D
Entries 54
Mean −0.08528
Std Dev 3.464

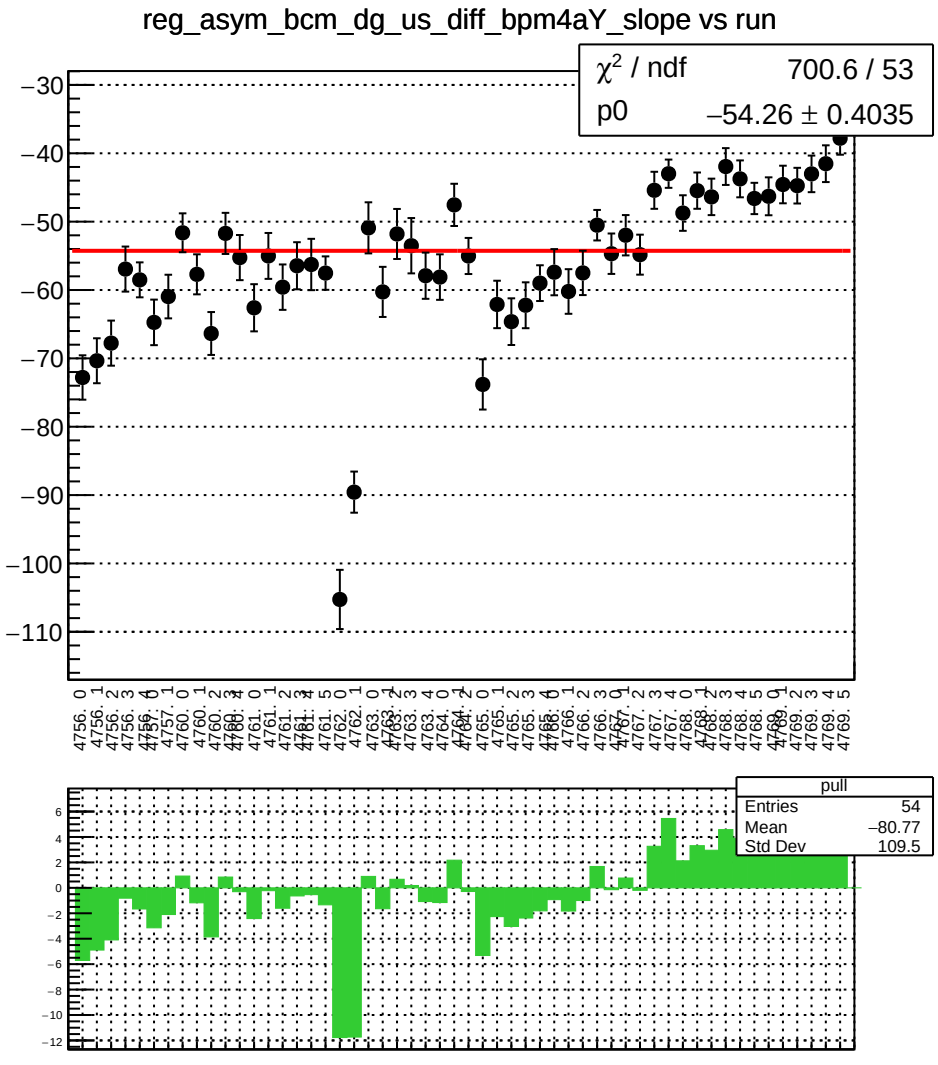

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 545.7 / 53
p0 54.46 ± 0.4866
pull
Entries 54
Mean −80.85
Std Dev 109.6

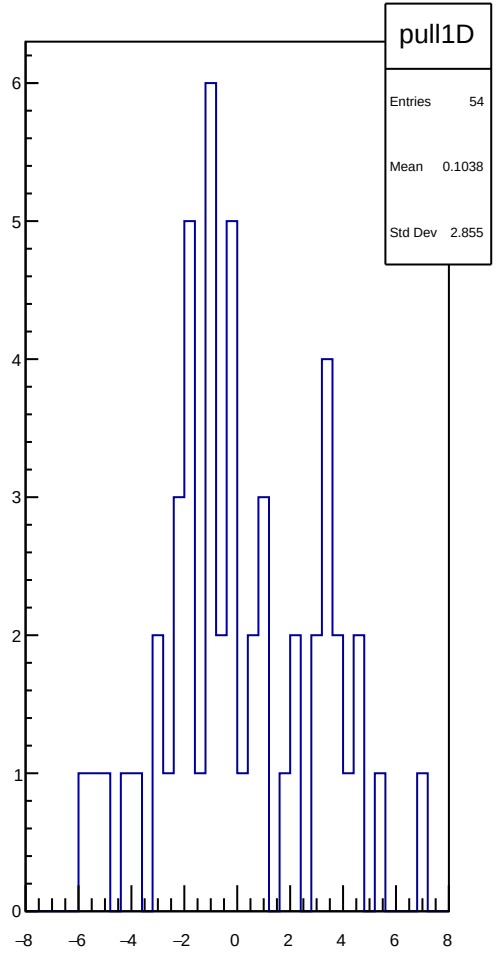

pull1D
Entries 54
Mean −0.1007
Std Dev 2.497

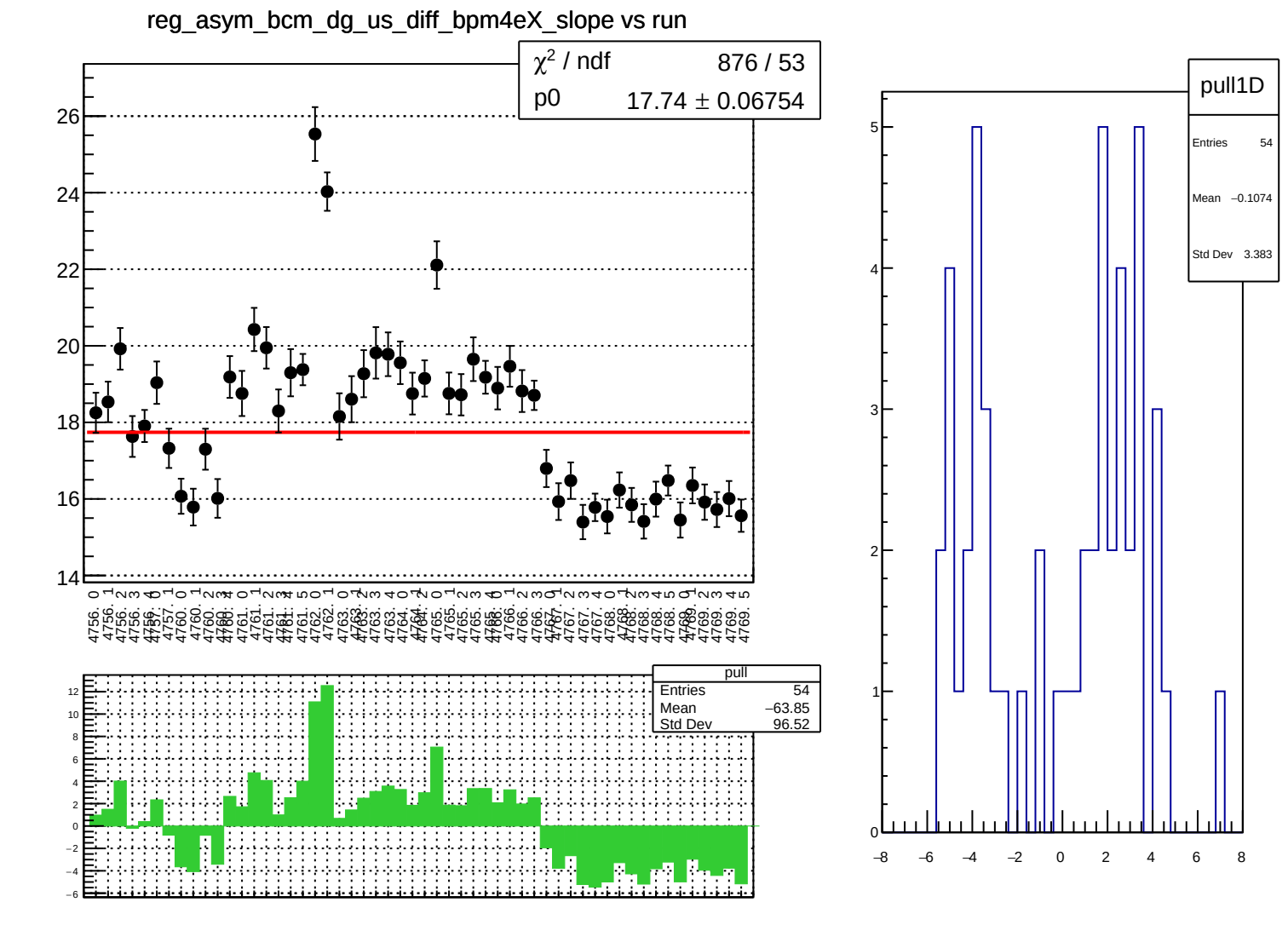

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs run
χ² / ndf 402.3 / 53
p0 15.76 ± 0.109
pull
Entries 54
Mean −48.44
Std Dev 82.85

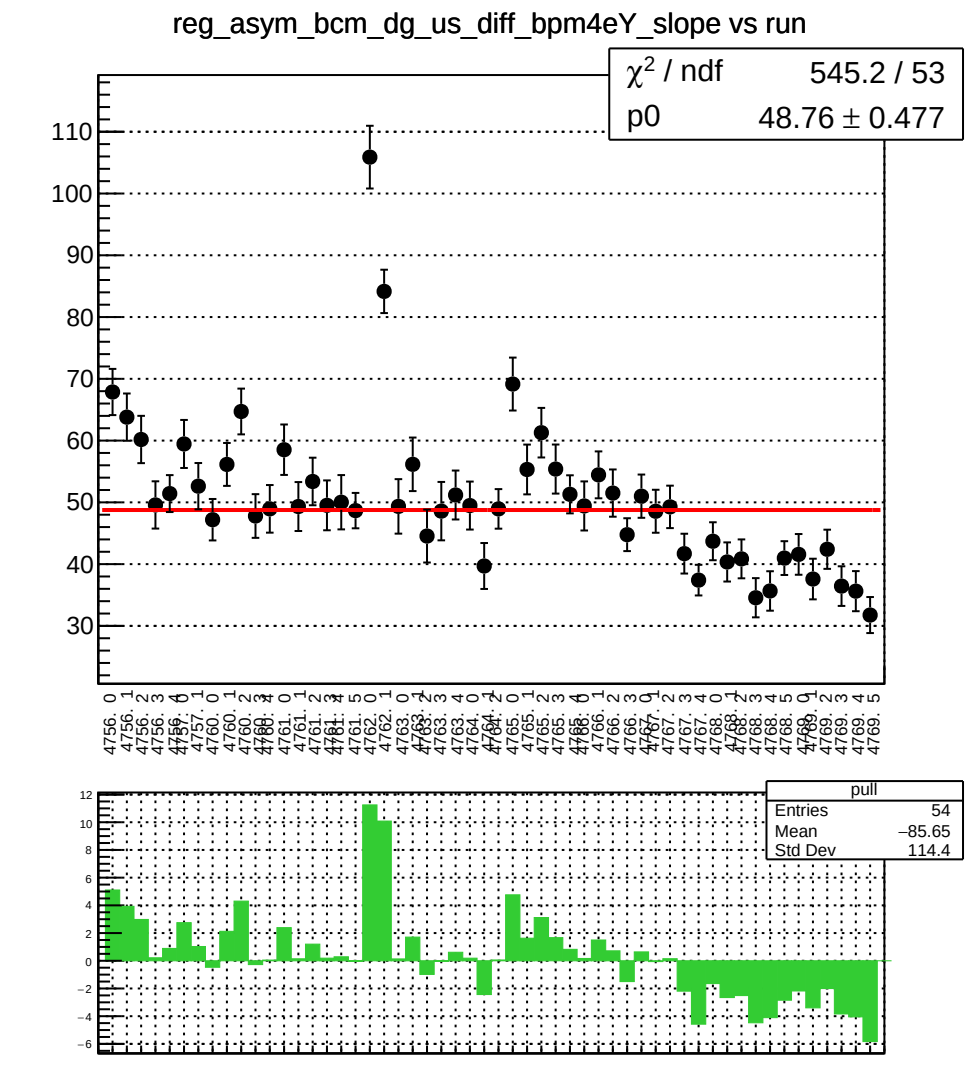

pull1D
Entries 54
Mean 0.08665
Std Dev 2.499

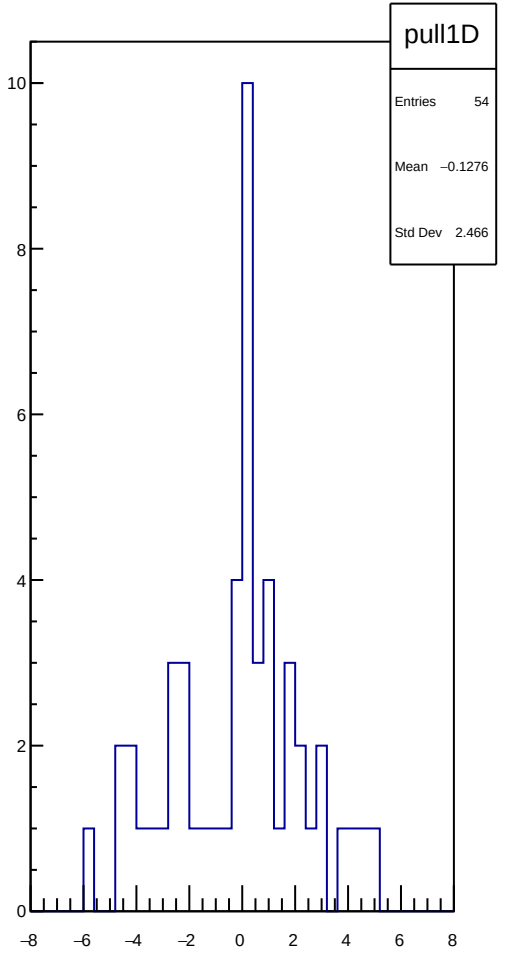

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 461.9 / 53
p0 −66.22 ± 0.3331
pull
Entries 54
Mean −39.12
Std Dev 75.95
pull1D
Entries 54
Mean −0.1804
Std Dev 2.919

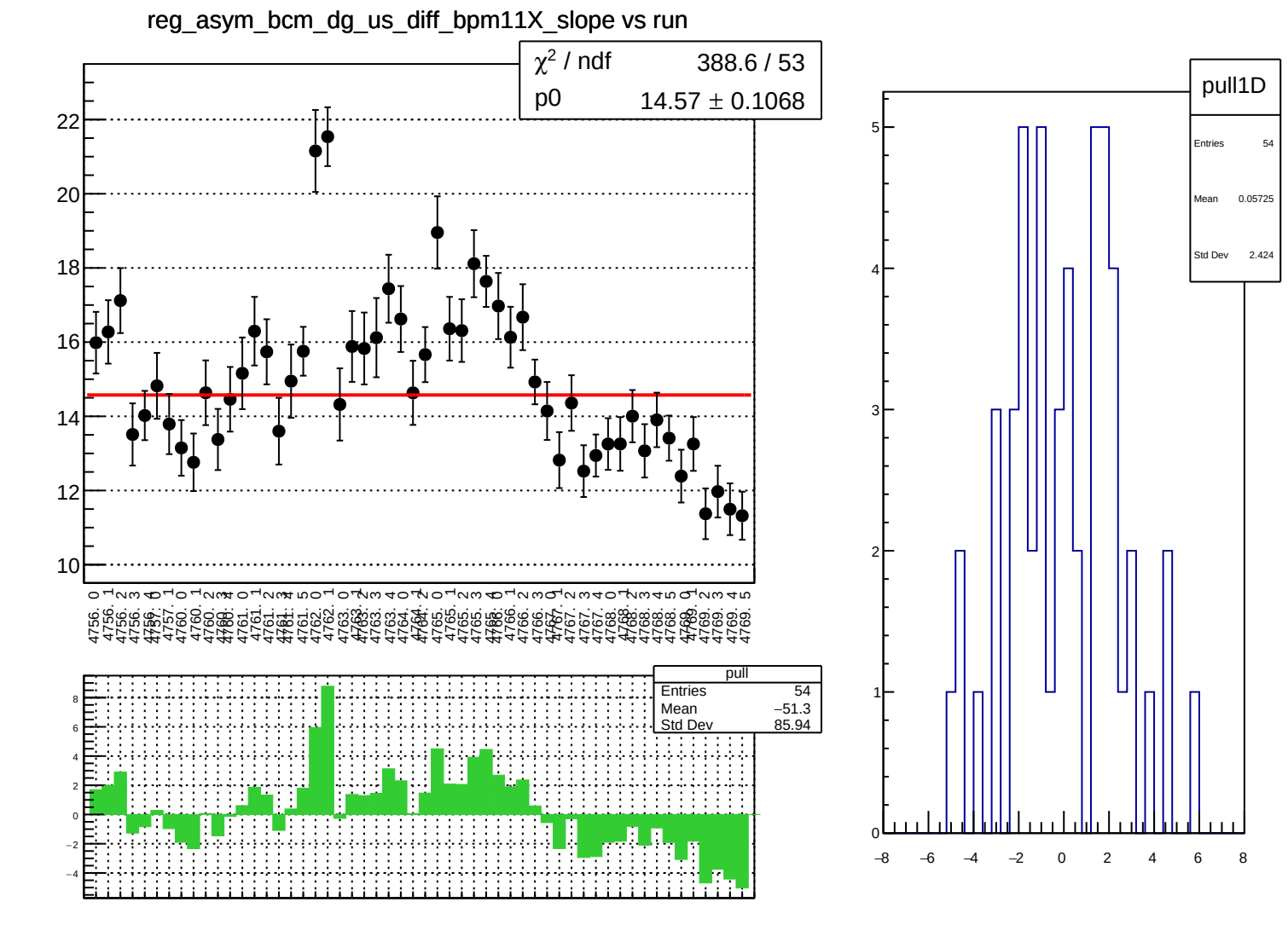

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 700.6 / 53
p0 −54.26 ± 0.4035
pull
Entries 54
Mean −80.77
Std Dev 109.5

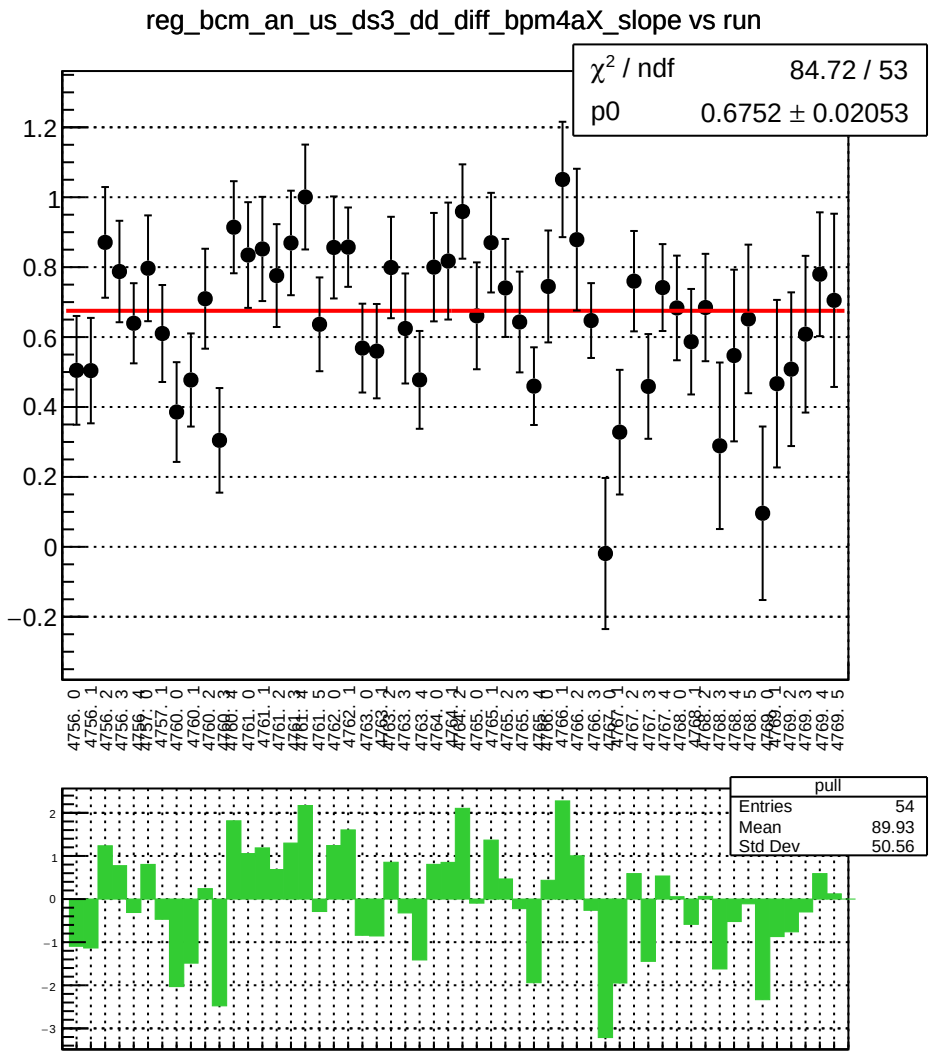

pull1D
Entries 54
Mean 0.1038
Std Dev 2.855

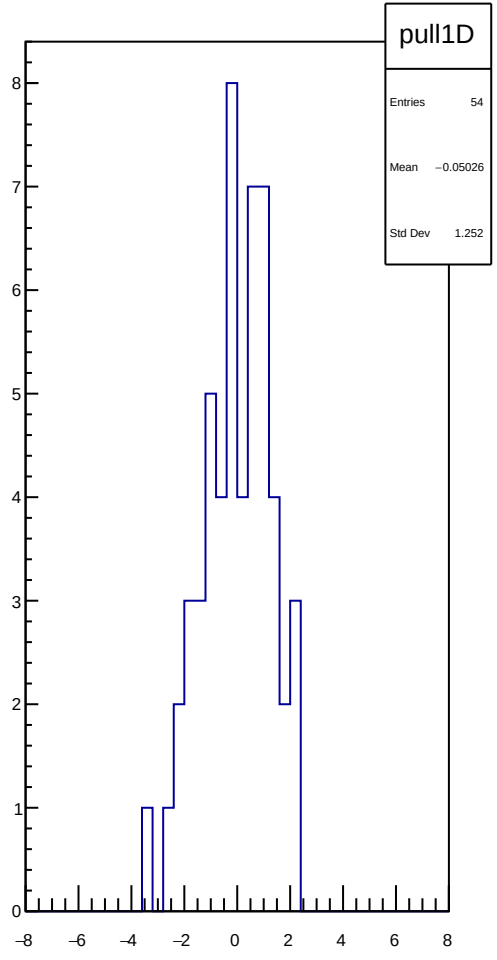

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 876 / 53
p0 17.74 ± 0.06754
pull
Entries 54
Mean −63.85
Std Dev 96.52
pull1D
Entries 54
Mean −0.1074
Std Dev 3.383

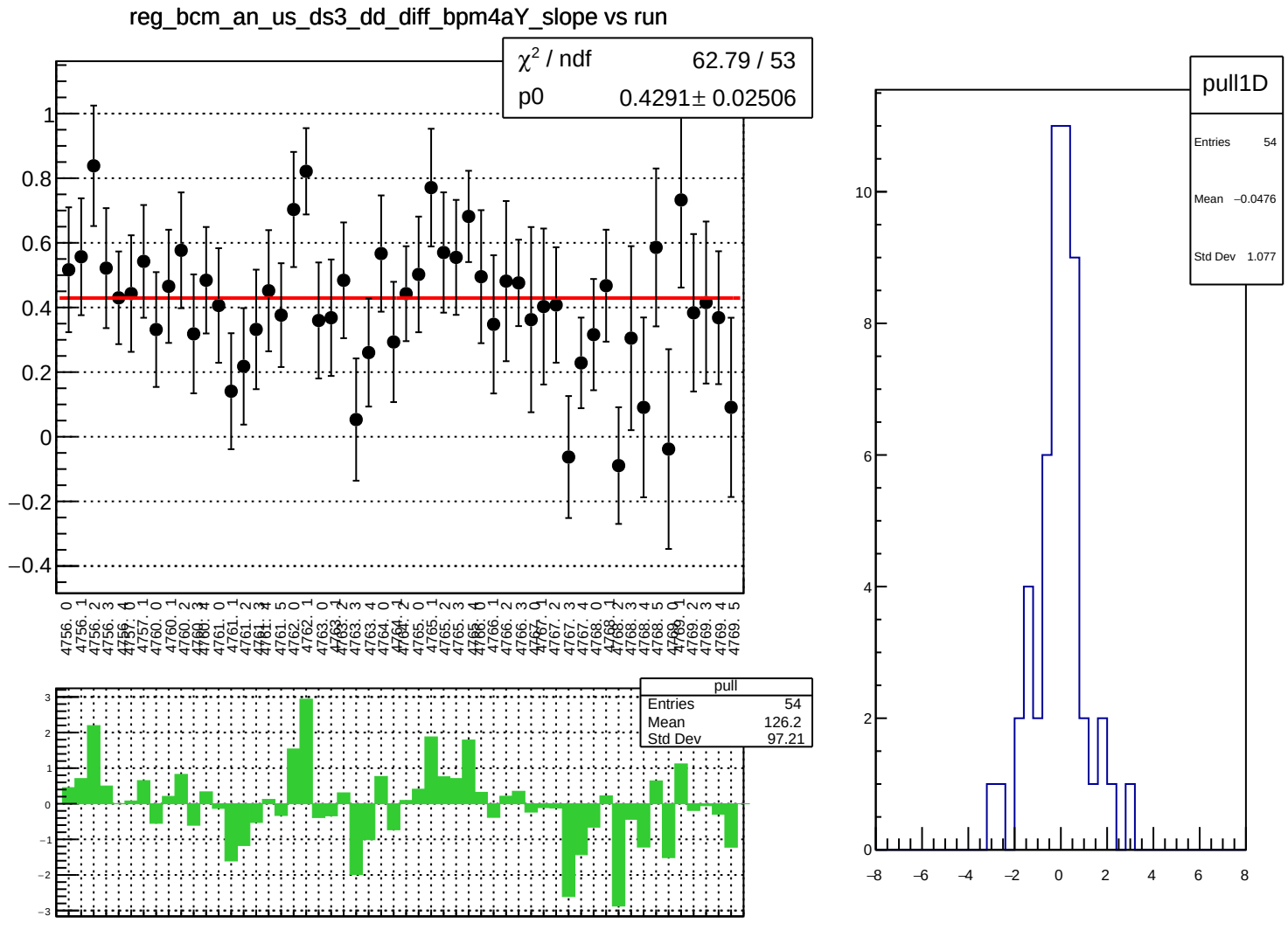

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 545.2 / 53
p0 48.76 ± 0.477
pull
Entries 54
Mean −85.65
Std Dev 114.4

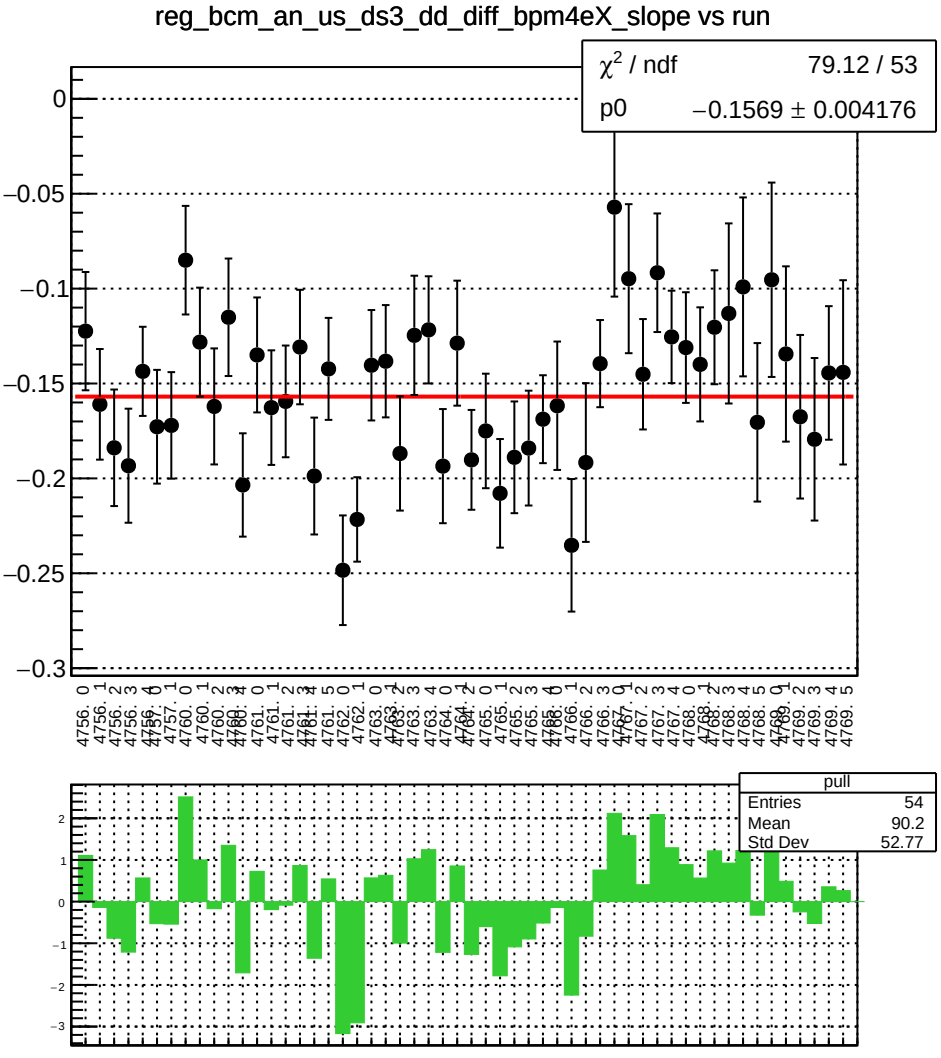

pull1D
Entries 54
Mean −0.1276
Std Dev 2.466

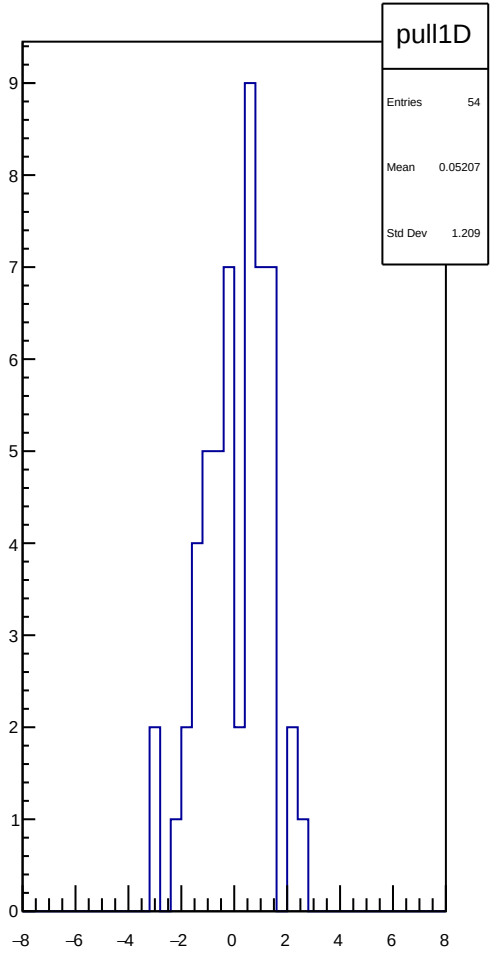

reg_asym_bcm_dg_us_diff_bpm11X_slope vs run
χ² / ndf 388.6 / 53
p0 14.57 ± 0.1068
pull
Entries 54
Mean −51.3
Std Dev 85.94
pull1D
Entries 54
Mean 0.05725
Std Dev 2.424

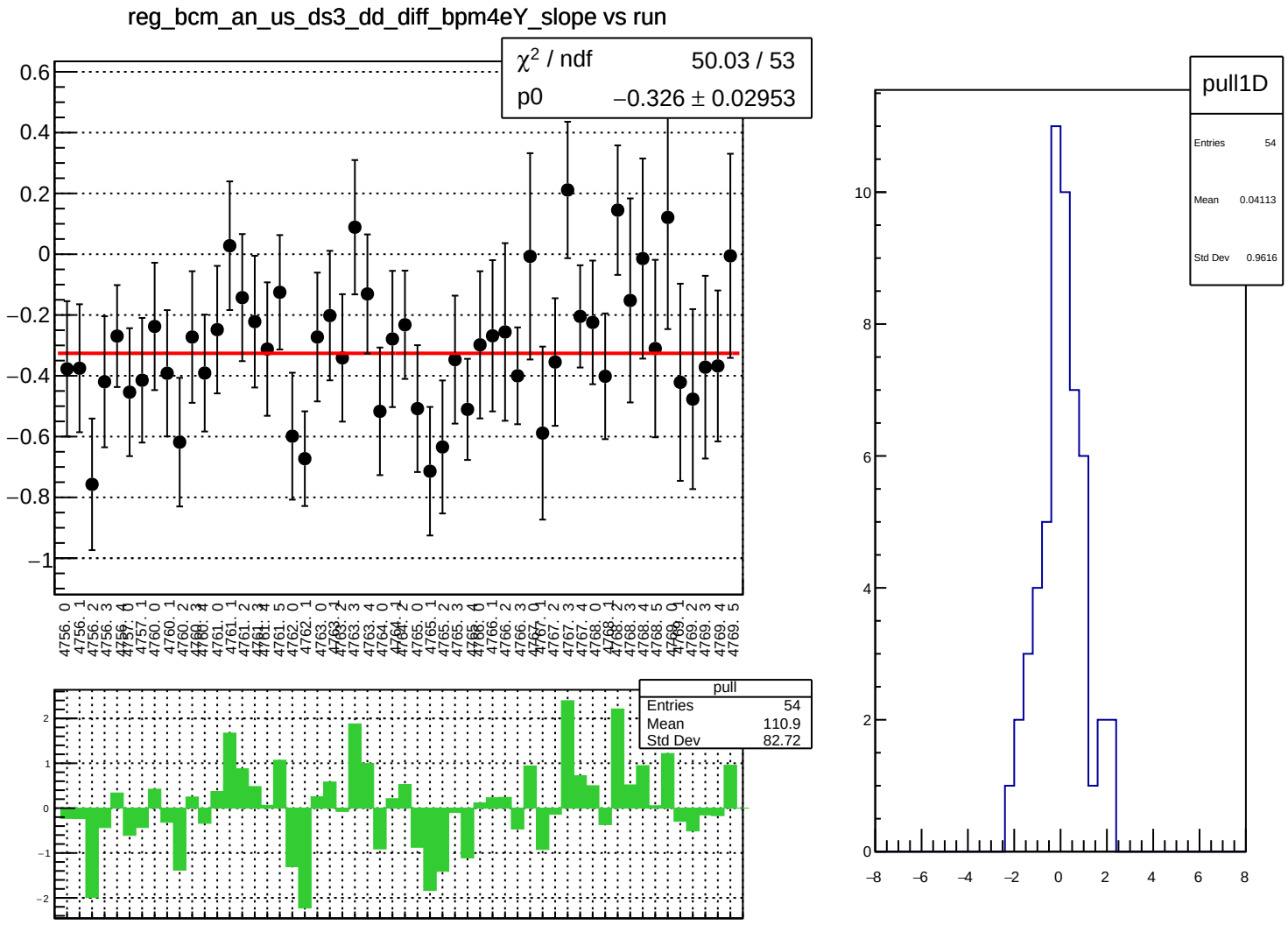

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs run
χ² / ndf 84.72 / 53
p0 0.6752 ± 0.02053
pull
Entries 54
Mean 89.93
Std Dev 50.56

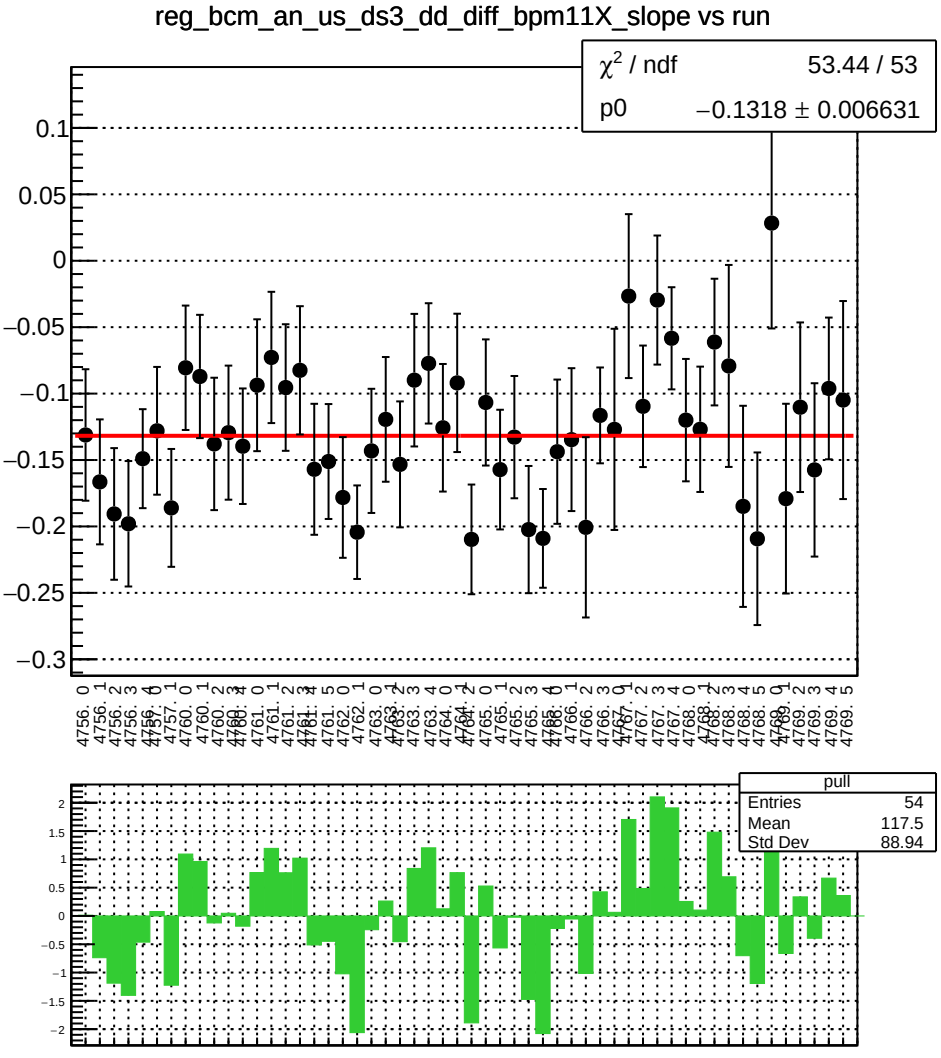

pull1D
Entries 54
Mean −0.05026
Std Dev 1.252

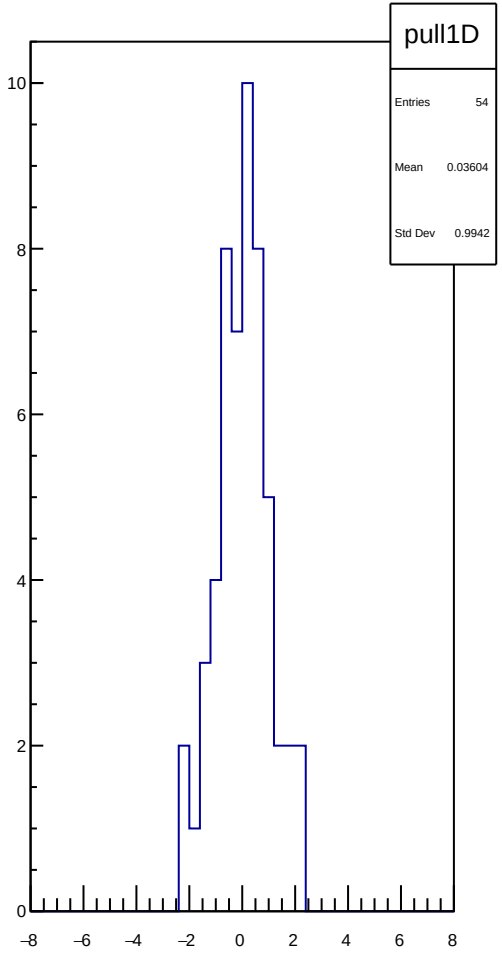

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.79 / 53
p0 0.4291± 0.02506
pull
Entries 54
Mean 126.2
Std Dev 97.21
pull1D
Entries 54
Mean −0.0476
Std Dev 1.077

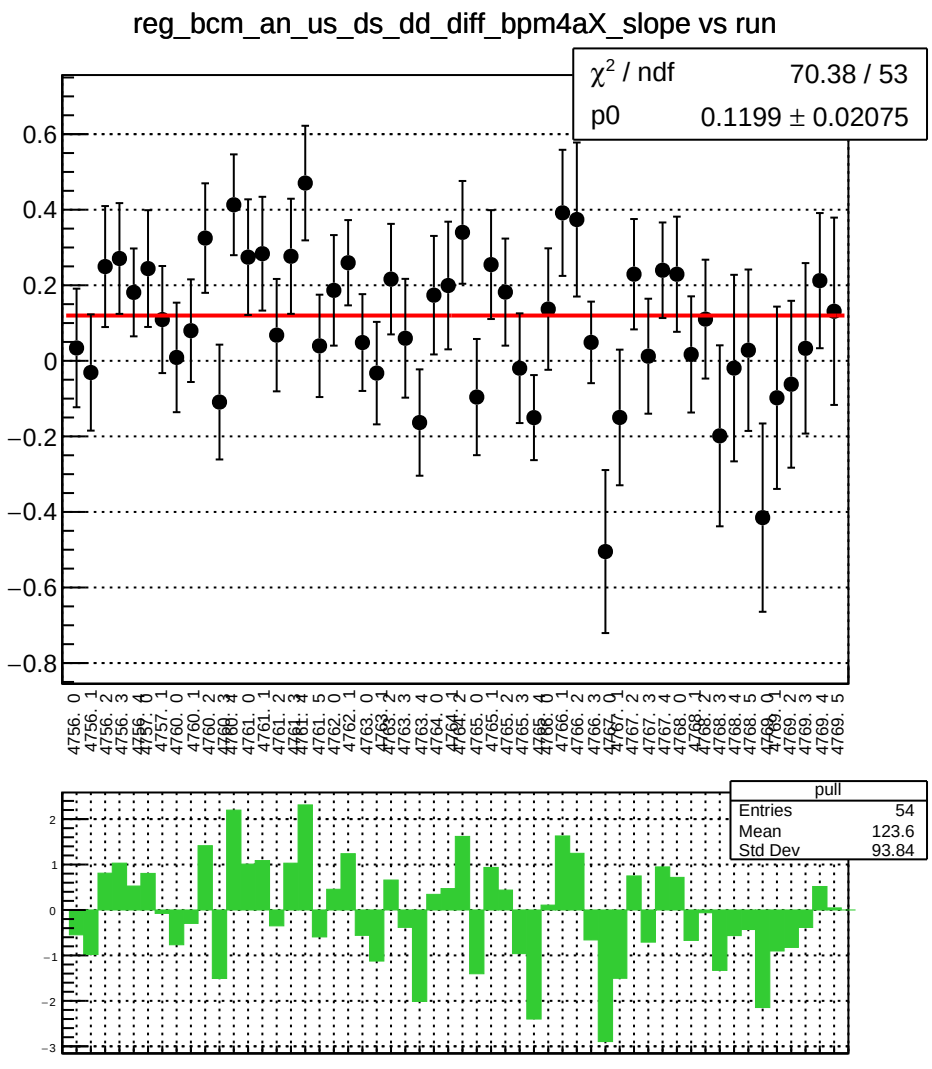

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs run
χ² / ndf 79.12 / 53
p0 −0.1569 ± 0.004176
pull
Entries 54
Mean 90.2
Std Dev 52.77

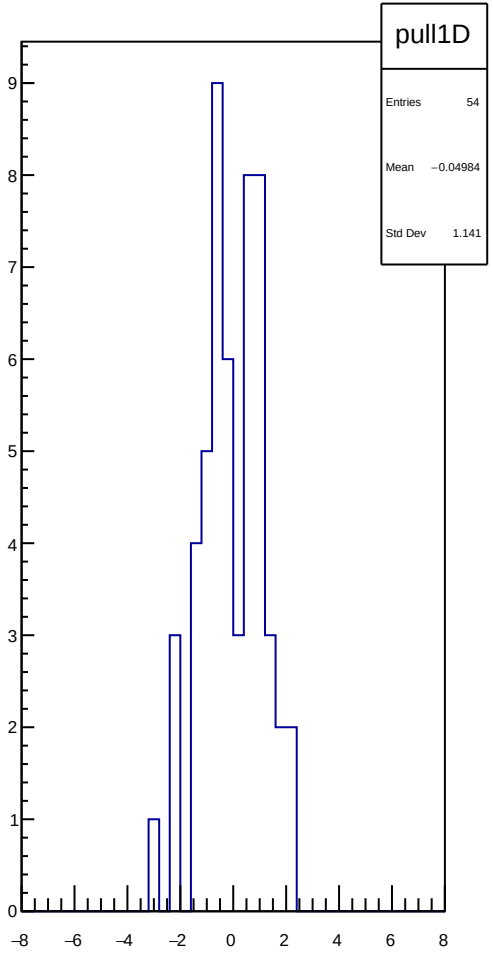

pull1D
Entries 54
Mean 0.05207
Std Dev 1.209

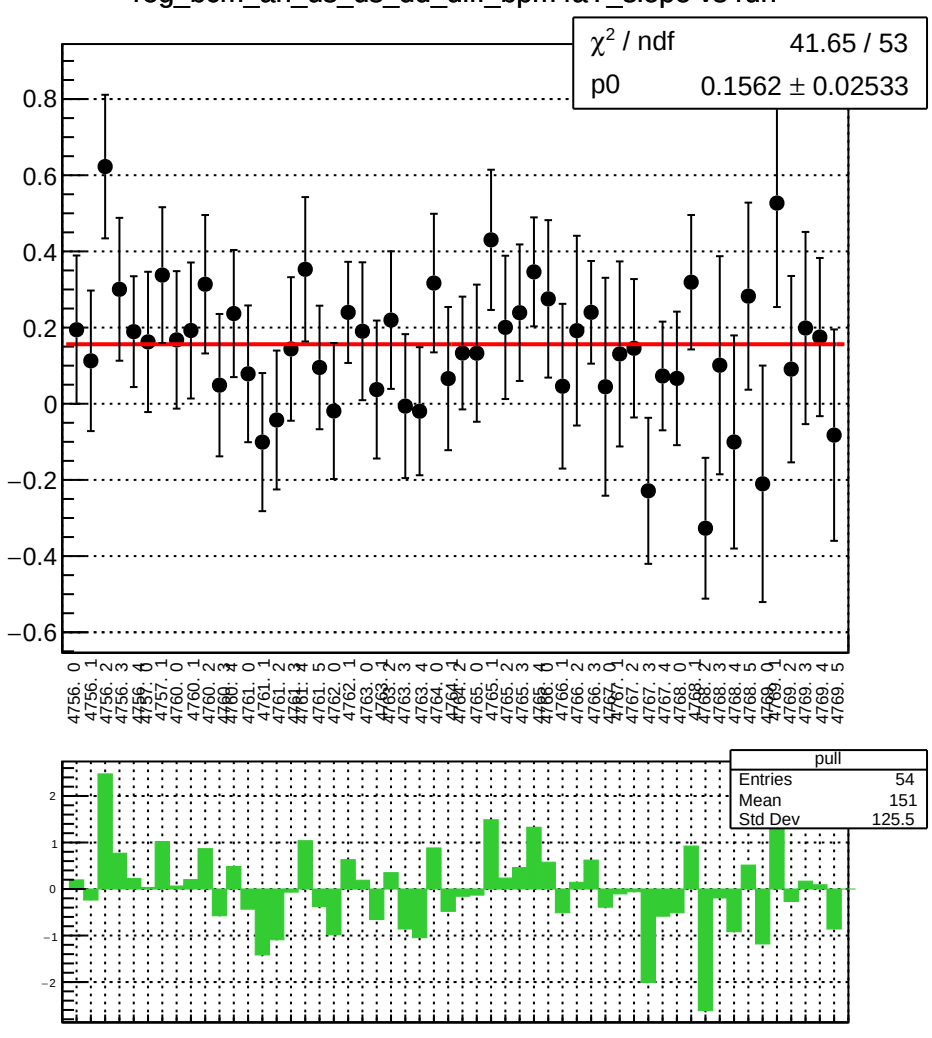

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.03 / 53
p0 −0.326 ± 0.02953
pull
Entries 54
Mean 110.9
Std Dev 82.72
pull1D
Entries 54
Mean 0.04113
Std Dev 0.9616

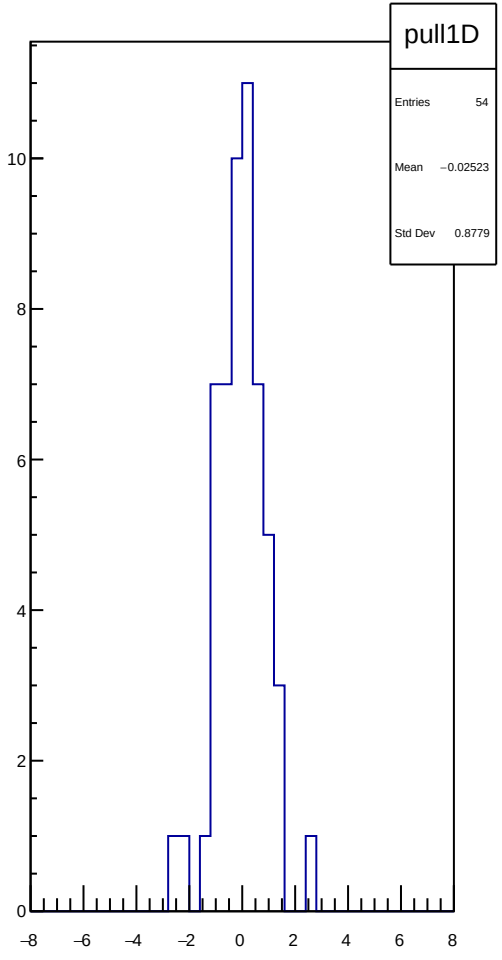

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs run
χ² / ndf 53.44 / 53
p0 −0.1318 ± 0.006631
pull
Entries 54
Mean 117.5
Std Dev 88.94

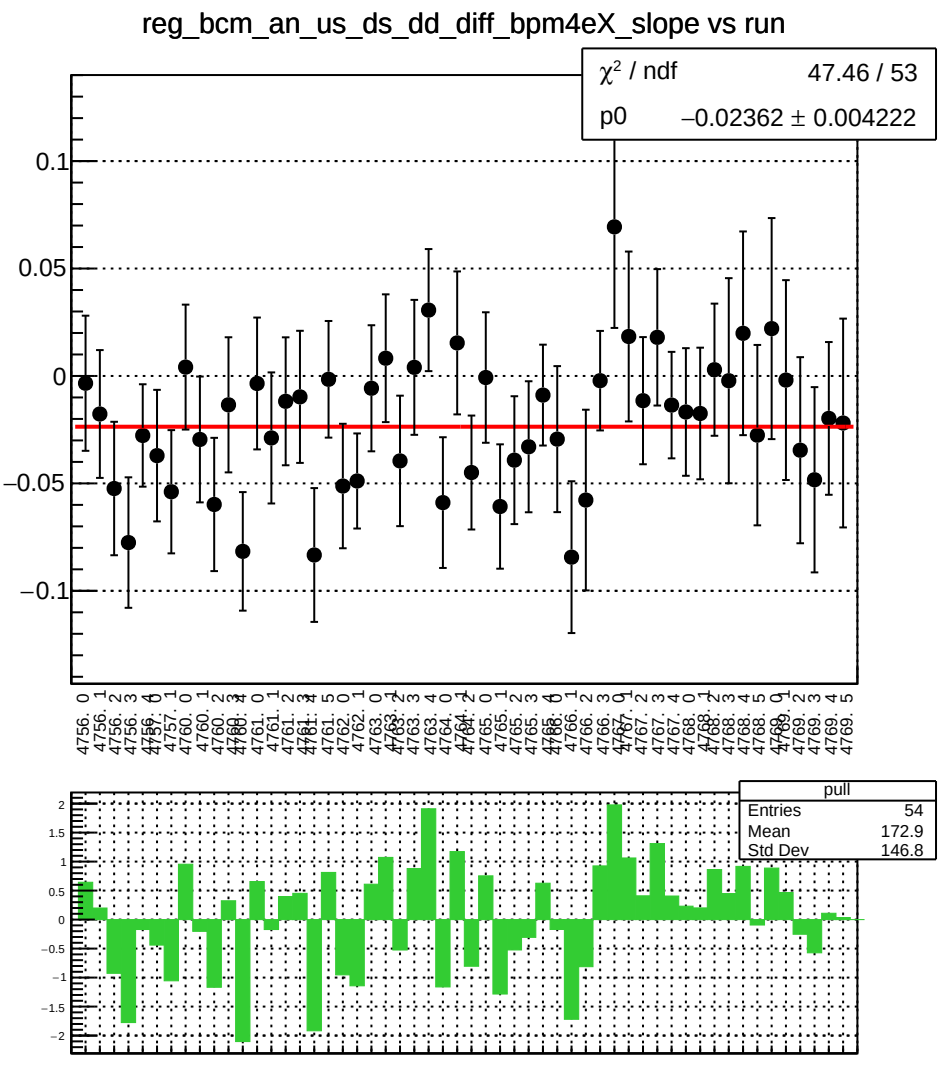

pull1D
Entries 54
Mean 0.03604
Std Dev 0.9942

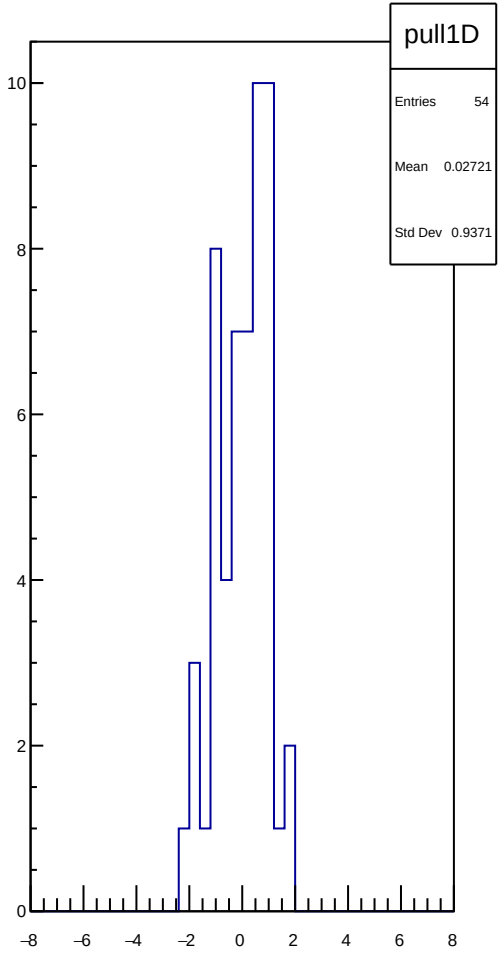

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 70.38 / 53
p0 0.1199 ± 0.02075
pull
Entries 54
Mean 123.6
Std Dev 93.84

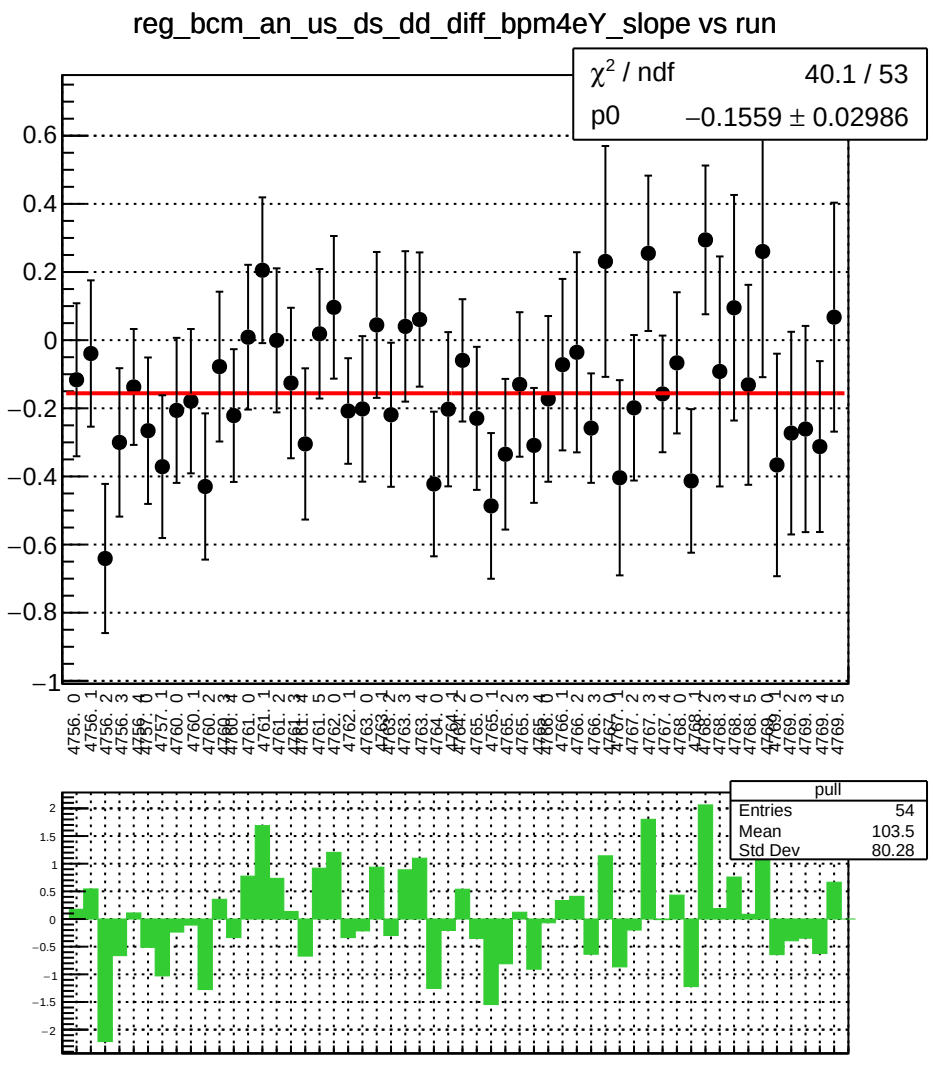

pull1D
Entries 54
Mean −0.04984
Std Dev 1.141

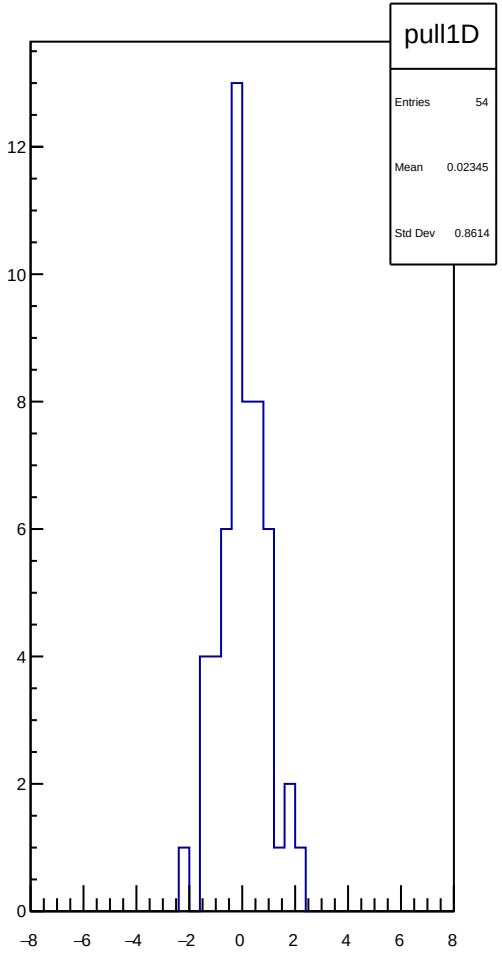

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.65 / 53
p0 0.1562 ± 0.02533
pull
Entries 54
Mean 151
Std Dev 125.5

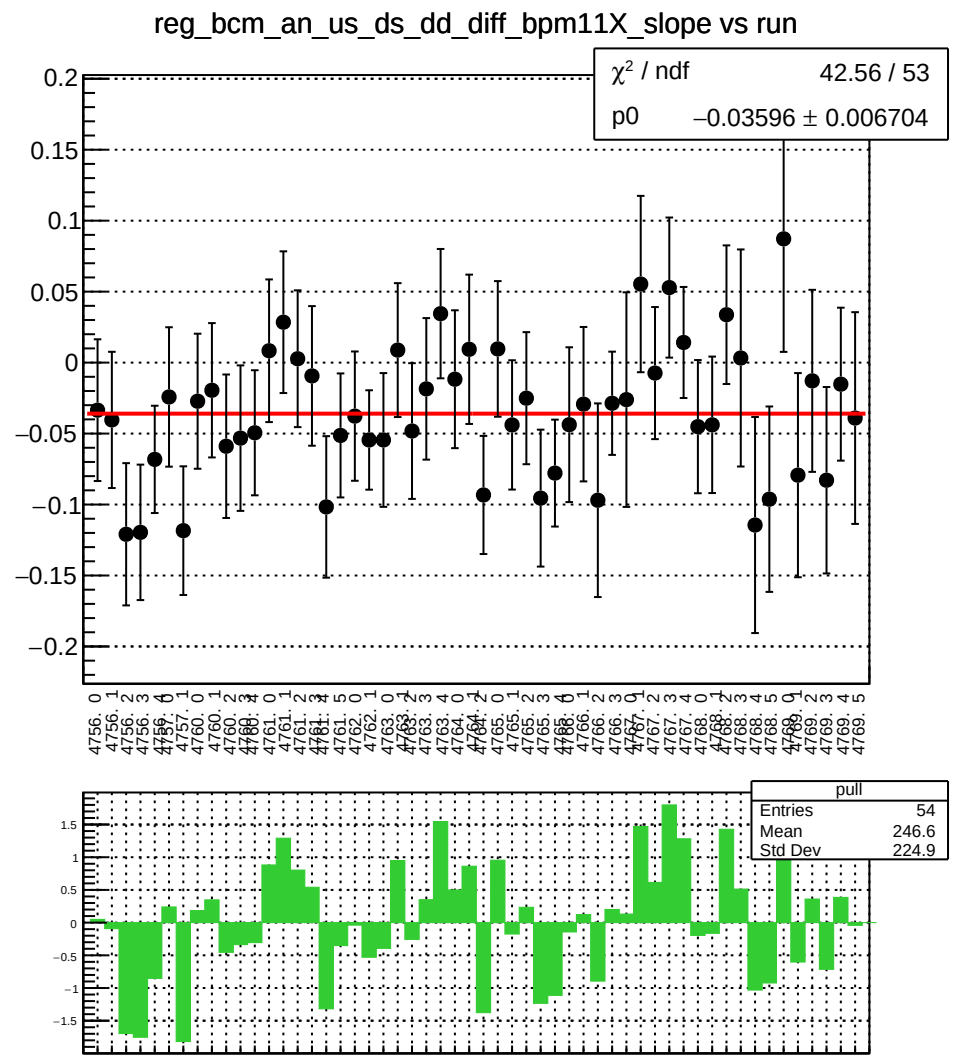

pull1D
Entries 54
Mean −0.02523
Std Dev 0.8779

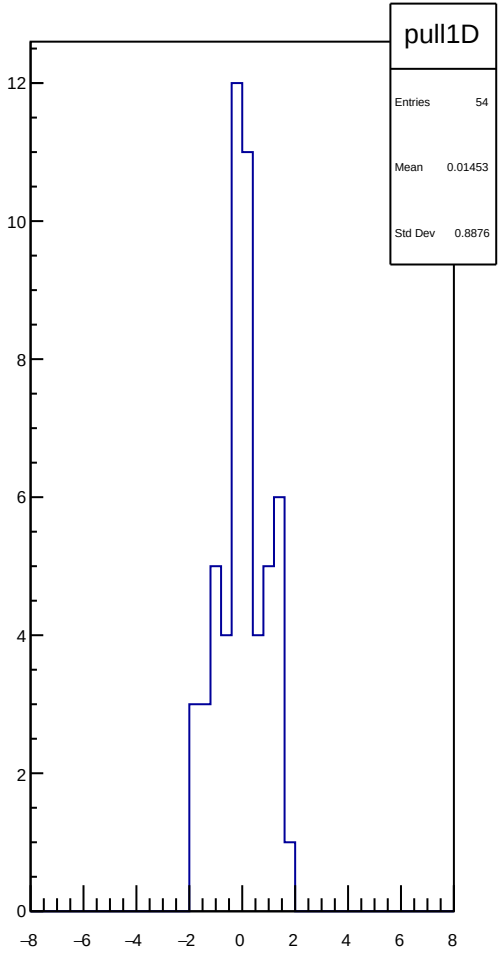

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.46 / 53
p0 −0.02362 ± 0.004222
0.1
0.05
0
−0.05
−0.1
pull
Entries 54
Mean 172.9
Std Dev 146.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

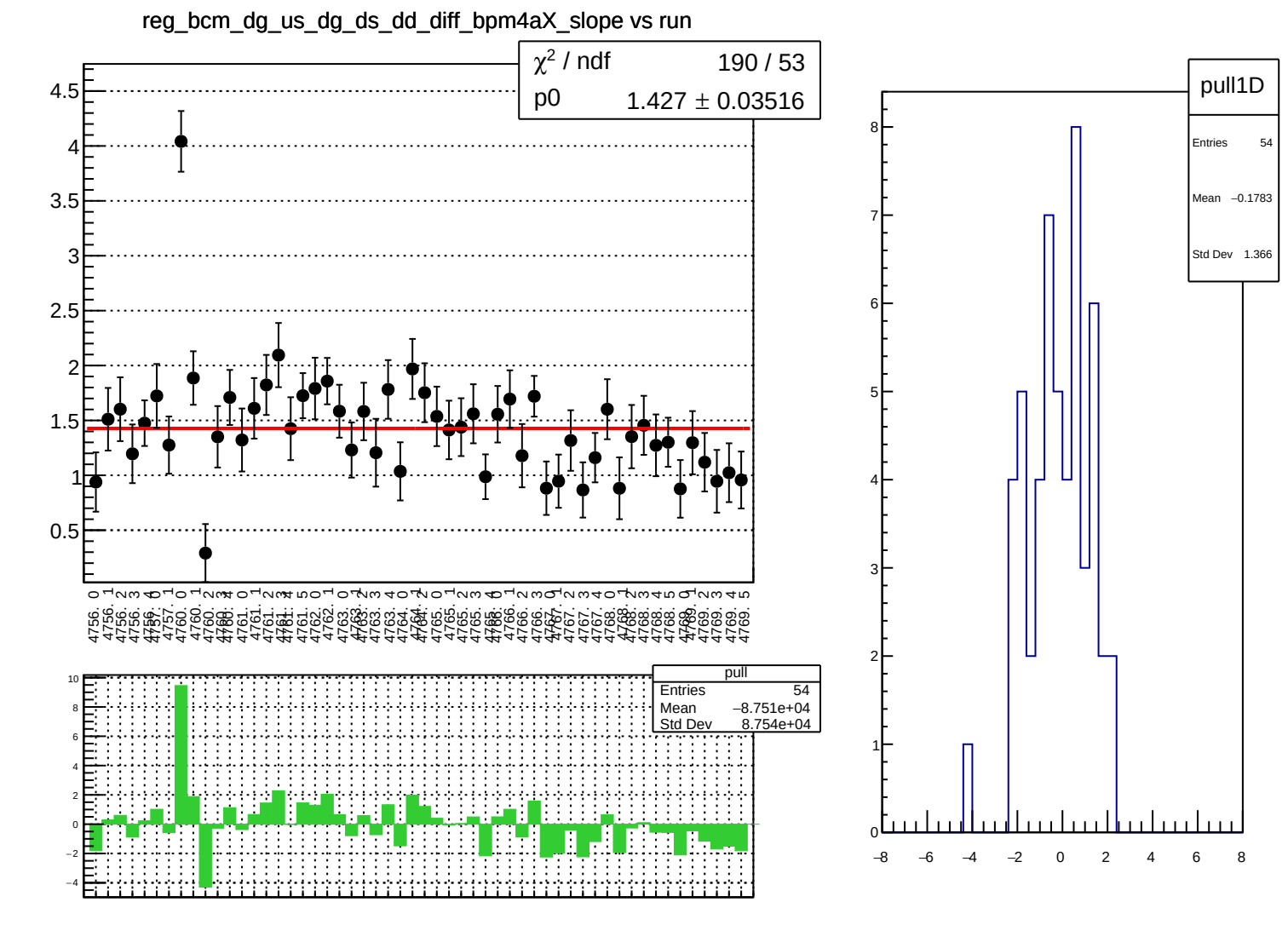

pull1D
Entries 54
Mean 0.02721
Std Dev 0.9371
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

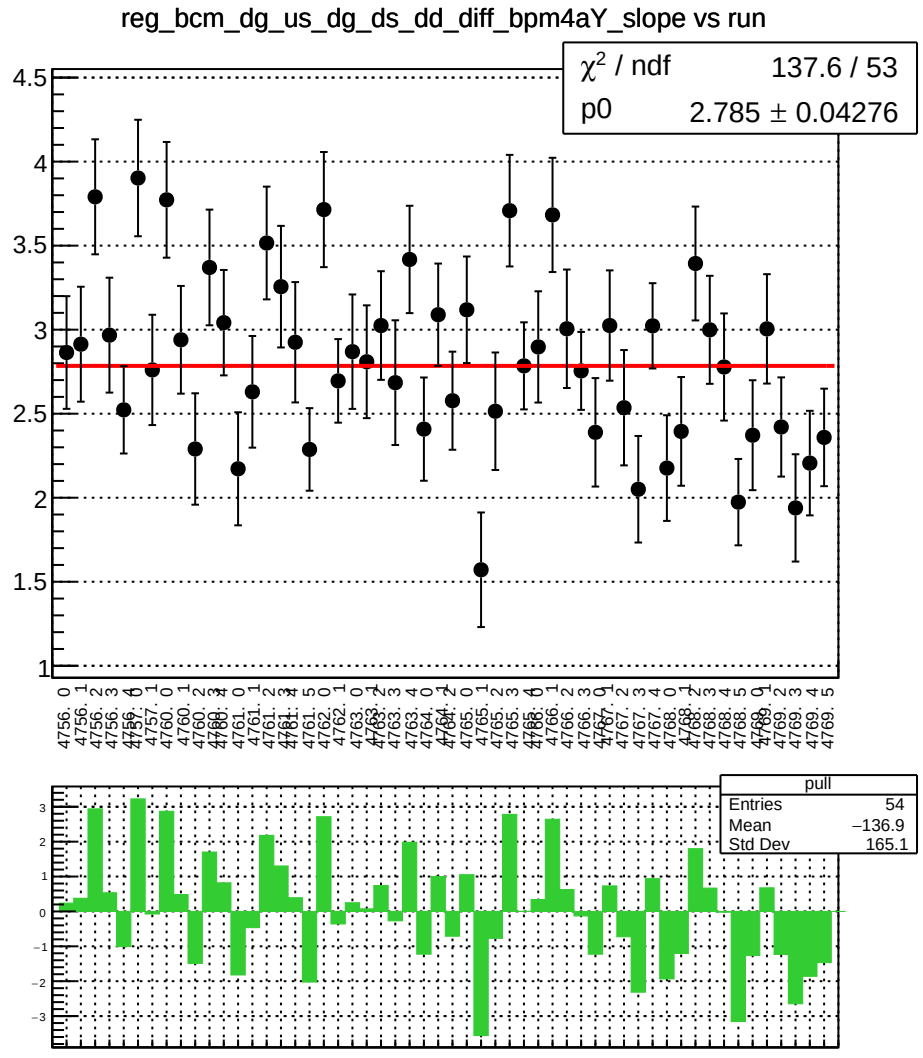

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.1 / 53
p0 −0.1559 ± 0.02986
pull
Entries 54
Mean 103.5
Std Dev 80.28

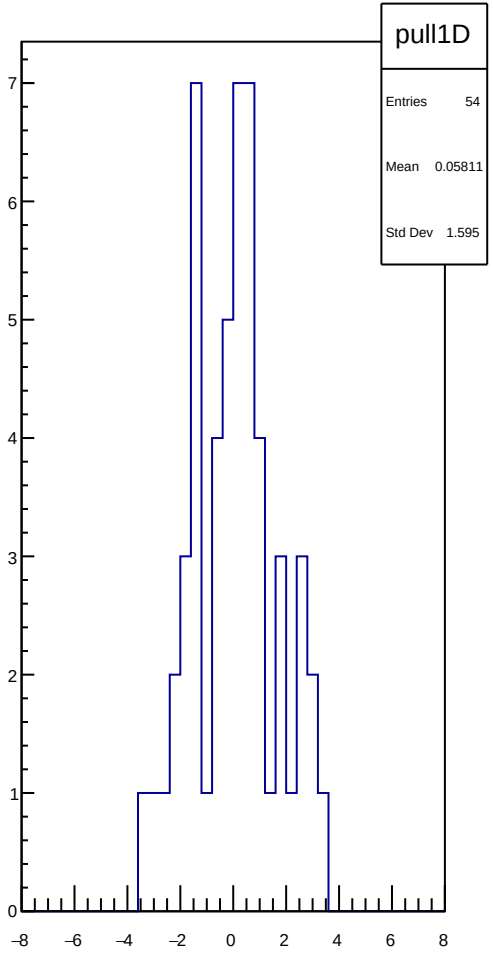

pull1D
Entries 54
Mean 0.02345
Std Dev 0.8614

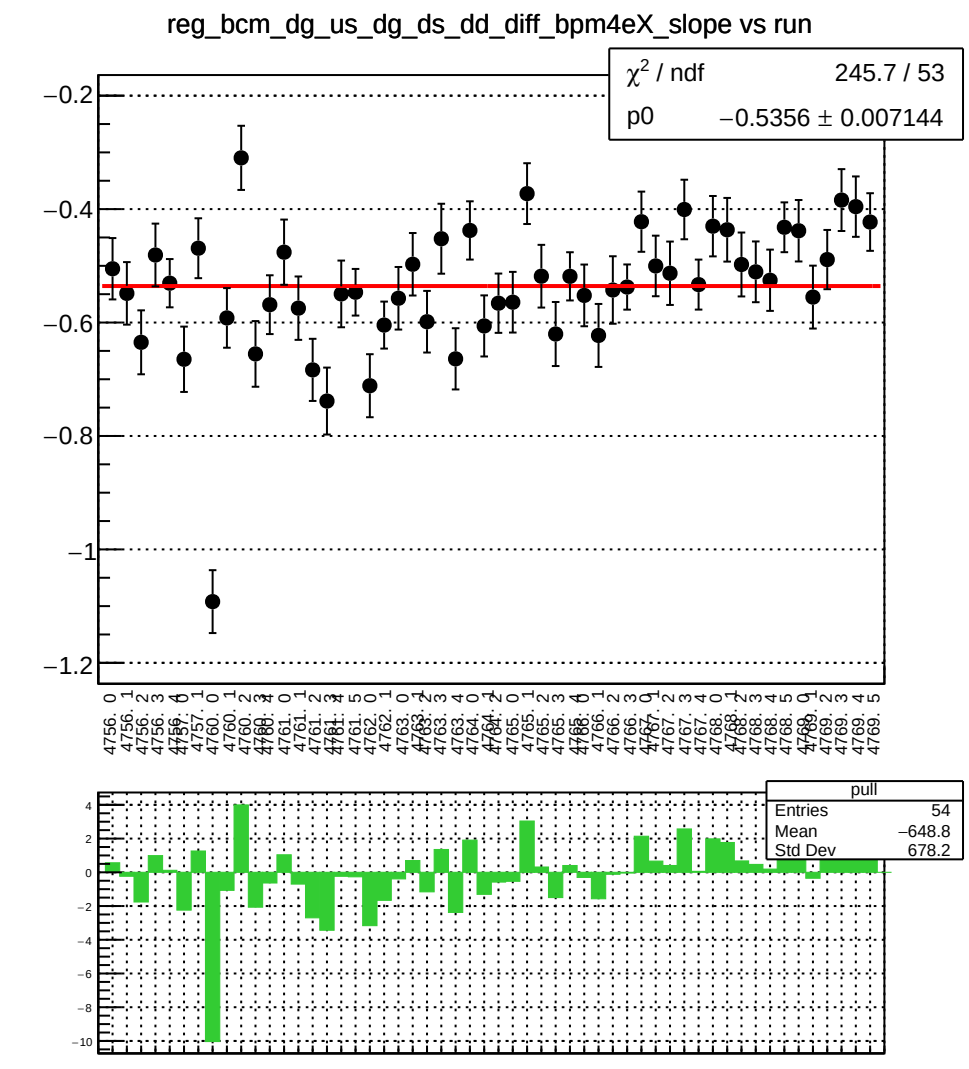

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 42.56 / 53
p0 −0.03596 ± 0.006704
pull
Entries 54
Mean 246.6
Std Dev 224.9

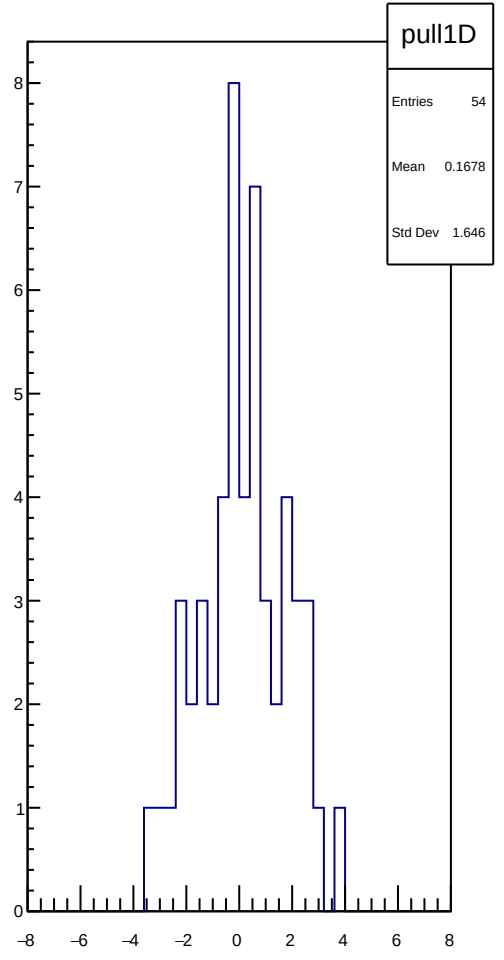

pull1D
Entries 54
Mean 0.01453
Std Dev 0.8876

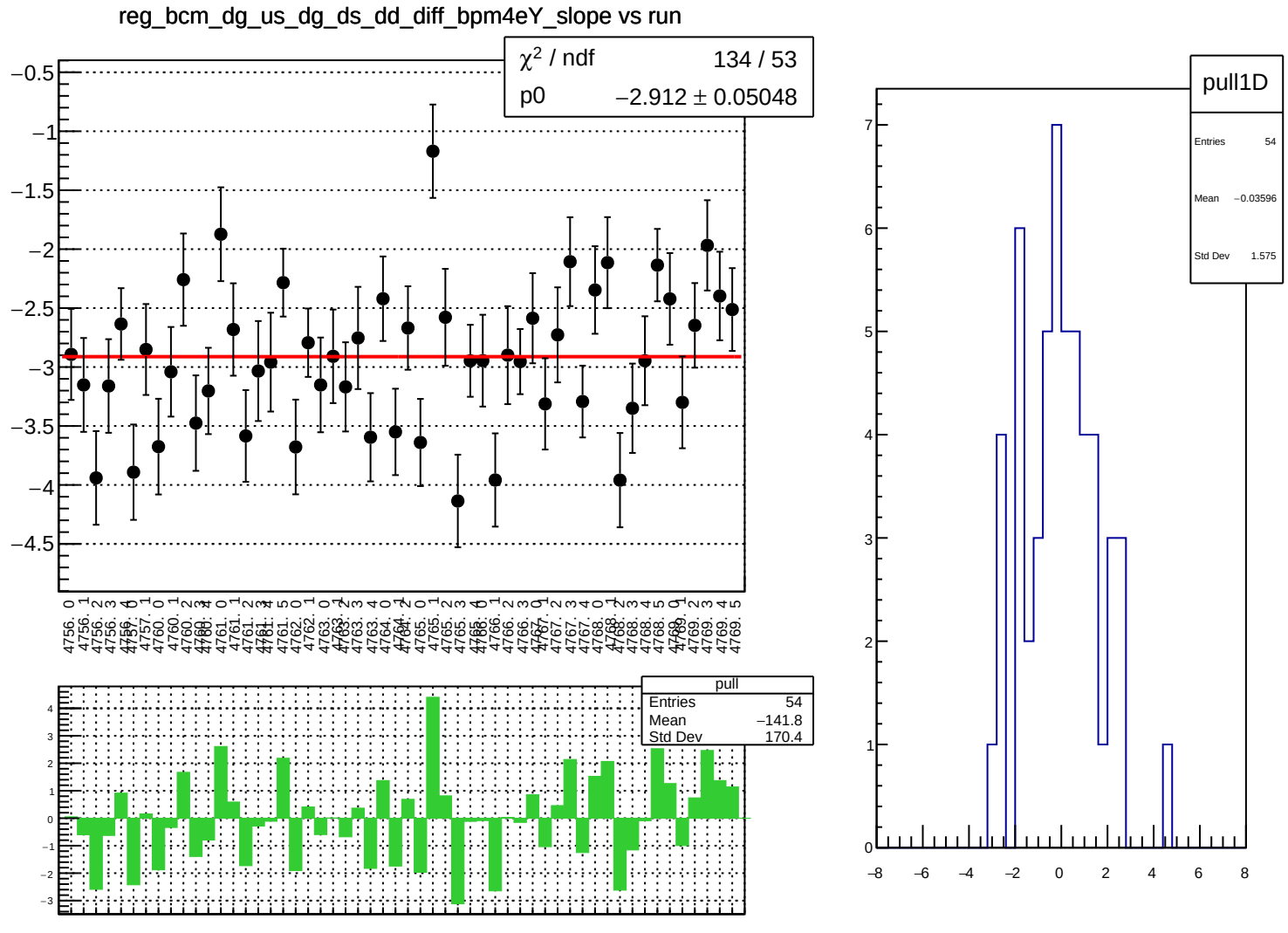

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 190 / 53
p0 1.427 ± 0.03516
pull
Entries 54
Mean −8.751e+04
Std Dev 8.754e+04
pull1D
Entries 54
Mean −0.1783
Std Dev 1.366

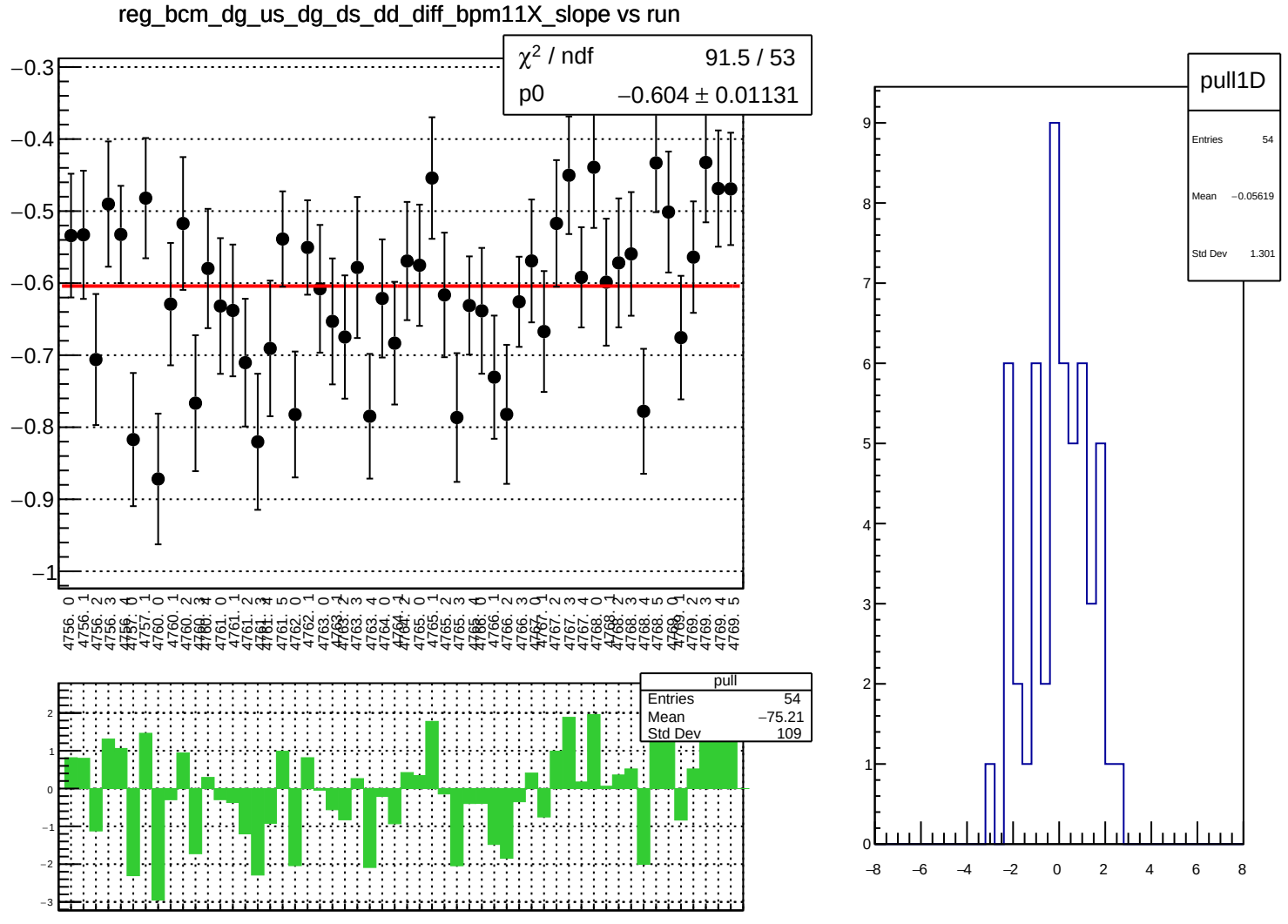

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 137.6 / 53
p0 2.785 ± 0.04276
pull
Entries 54
Mean −136.9
Std Dev 165.1

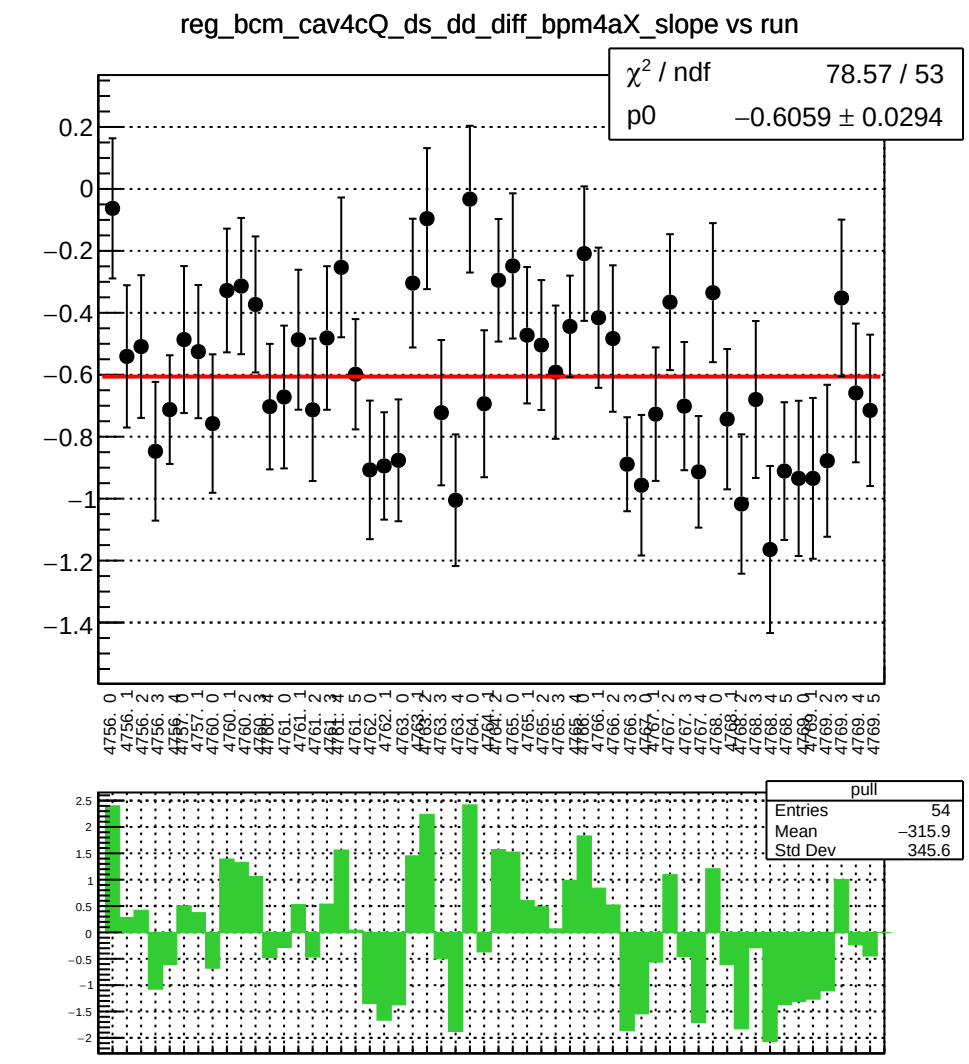

pull1D
Entries 54
Mean 0.05811
Std Dev 1.595

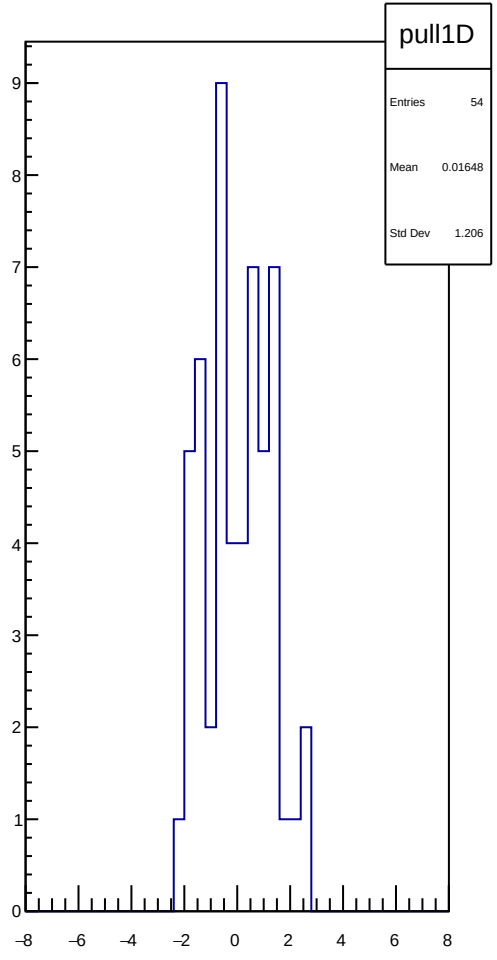

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 245.7 / 53
p0 −0.5356 ± 0.007144
pull
Entries 54
Mean −648.8
Std Dev 678.2

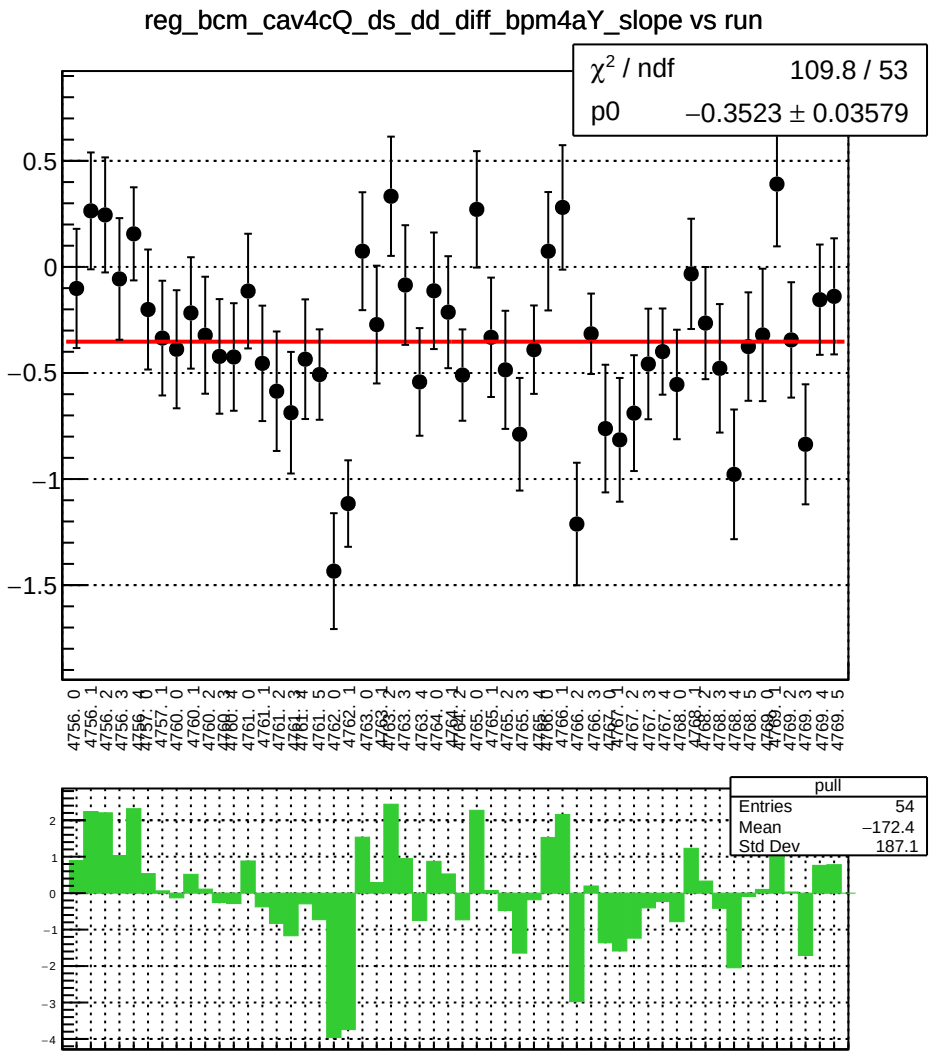

pull1D
Entries 54
Mean 0.1678
Std Dev 1.646

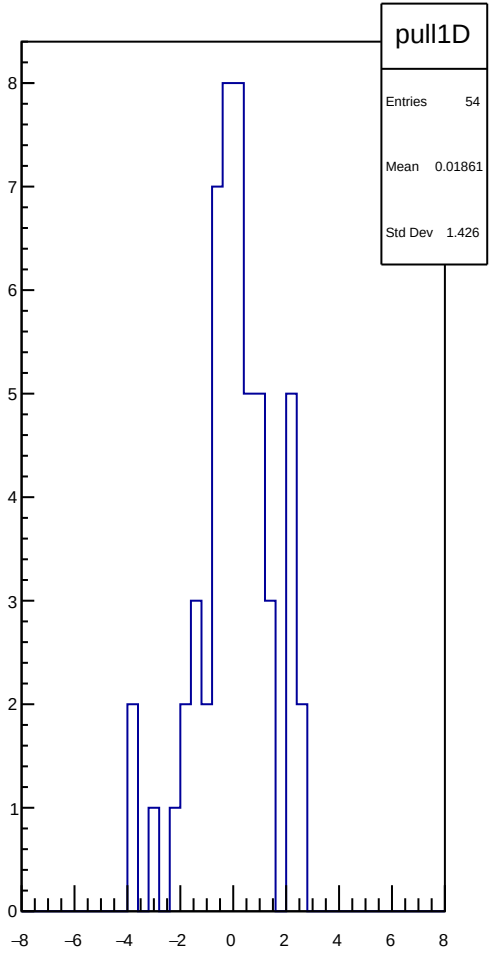

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 134 / 53
p0 −2.912 ± 0.05048
pull
Entries 54
Mean −141.8
Std Dev 170.4
pull1D
Entries 54
Mean −0.03596
Std Dev 1.575

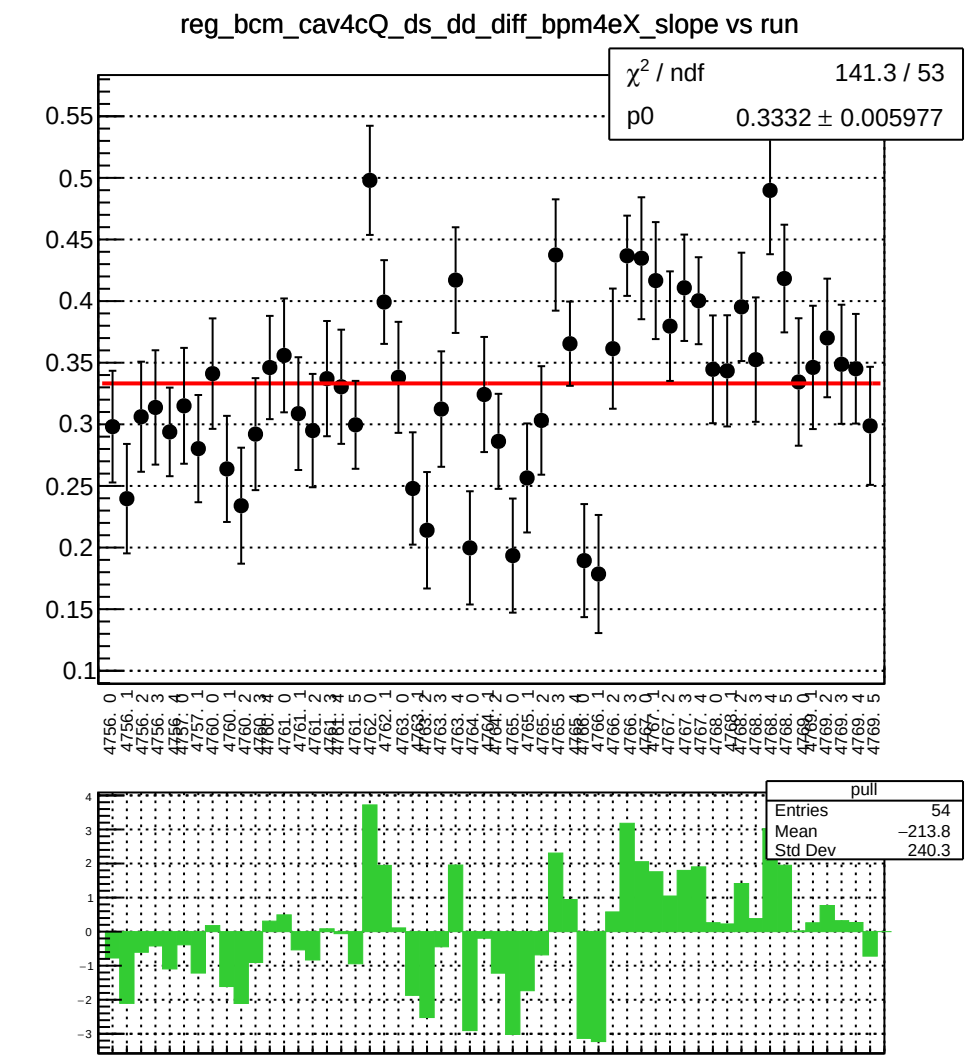

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 91.5 / 53
p0 −0.604 ± 0.01131
pull
Entries 54
Mean −75.21
Std Dev 109
pull1D
Entries 54
Mean −0.05619
Std Dev 1.301

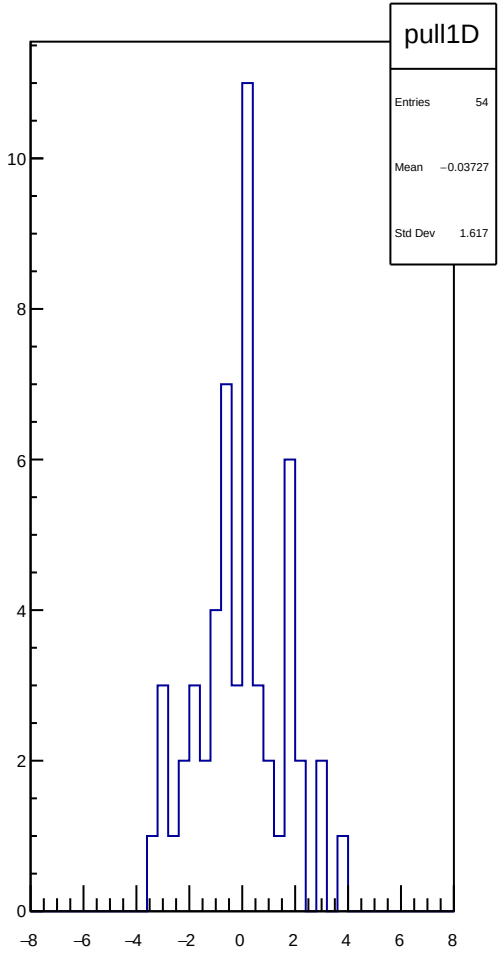

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 78.57 / 53
p0 −0.6059 ± 0.0294
pull
Entries 54
Mean −315.9
Std Dev 345.6

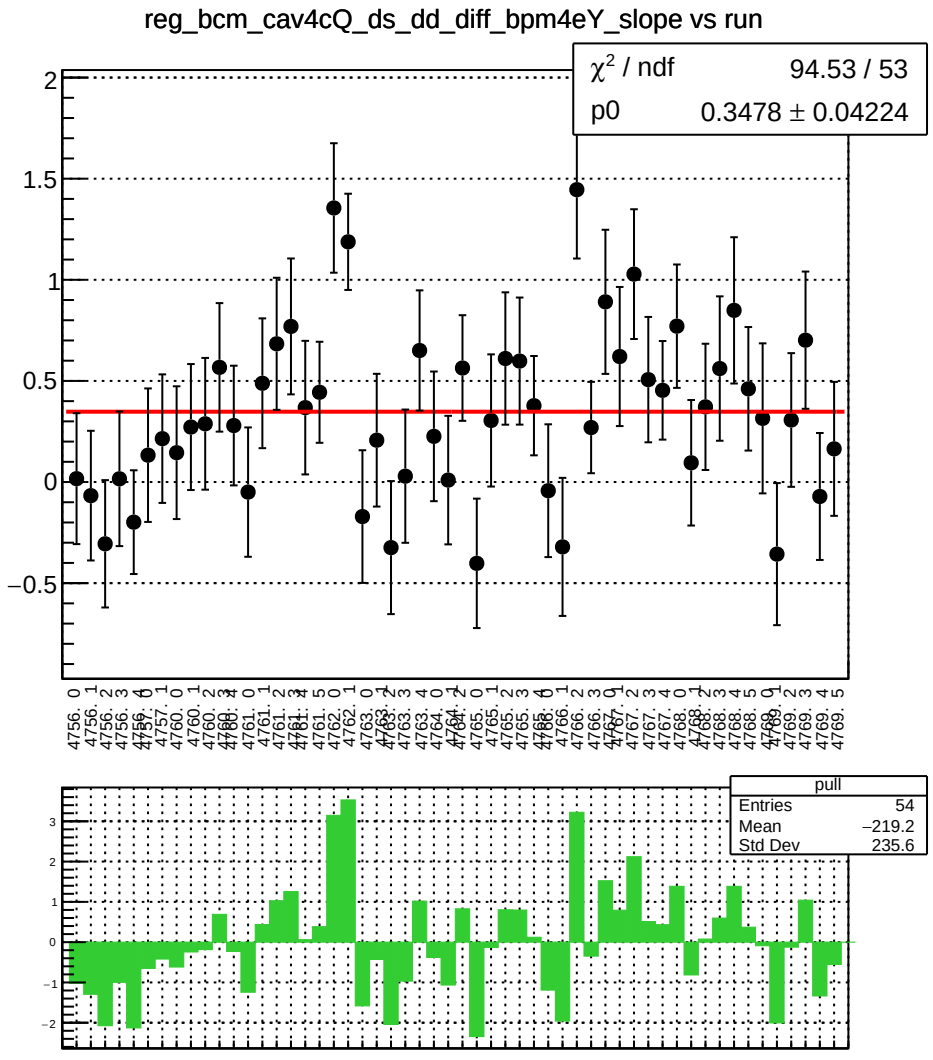

pull1D
Entries 54
Mean 0.01648
Std Dev 1.206

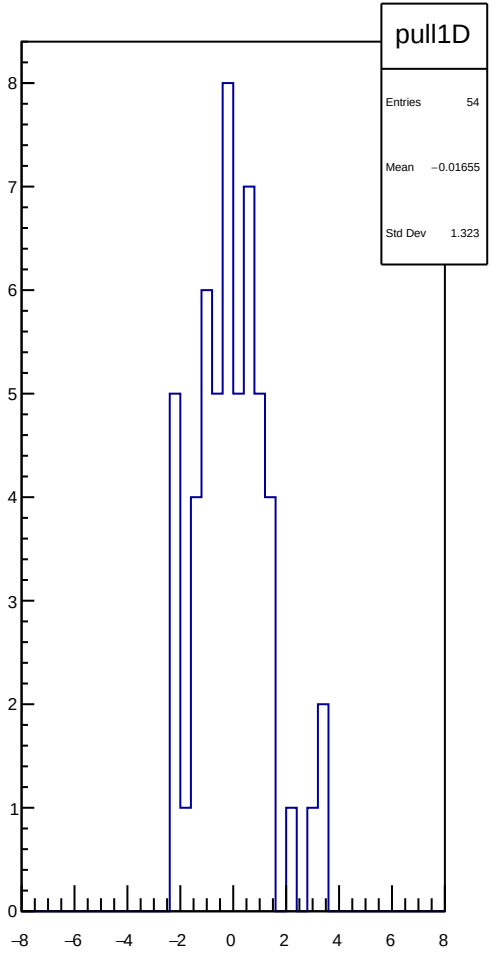

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 109.8 / 53
p0 −0.3523 ± 0.03579
pull
Entries 54
Mean −172.4
Std Dev 187.1

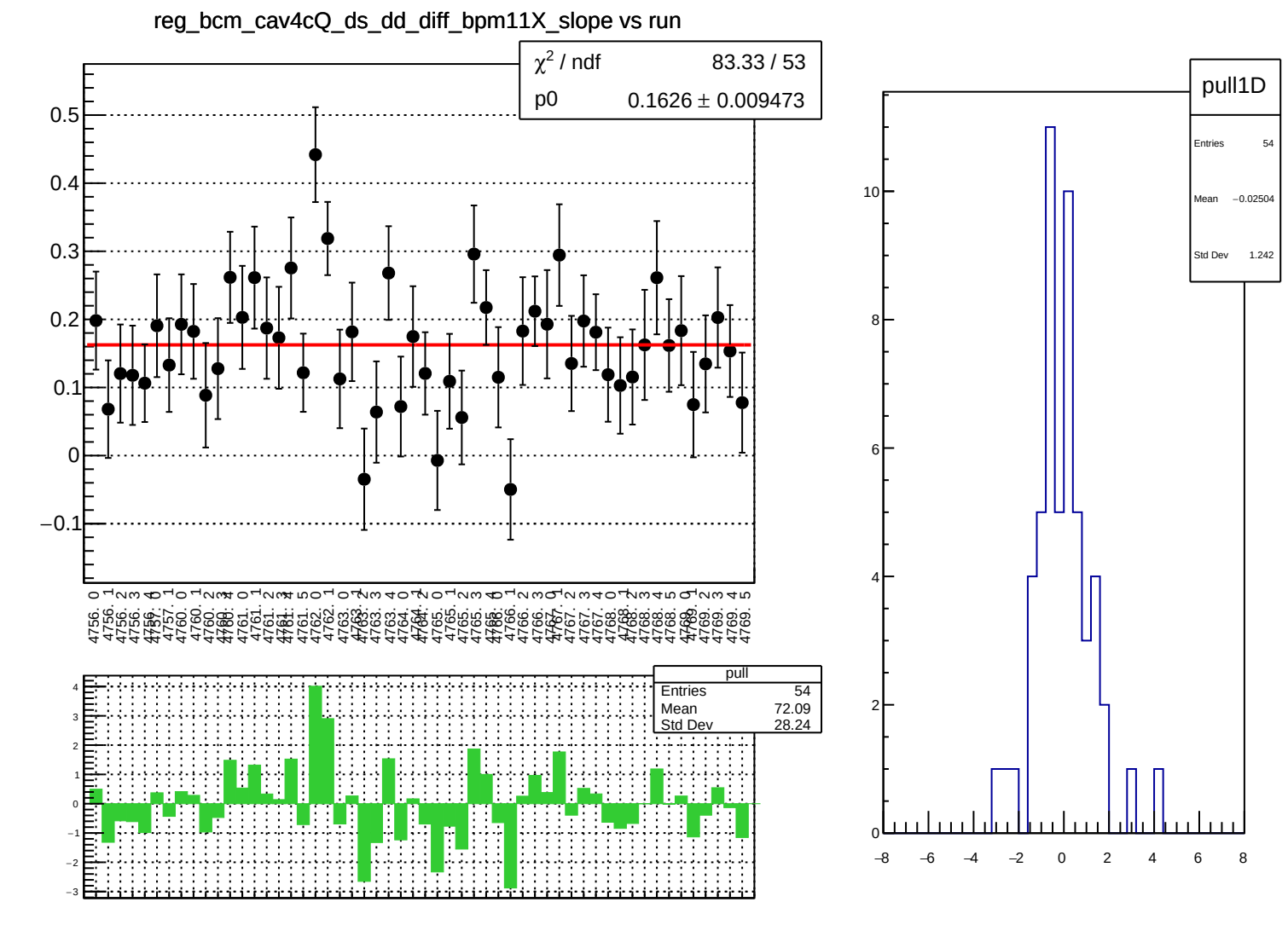

pull1D
Entries 54
Mean 0.01861
Std Dev 1.426

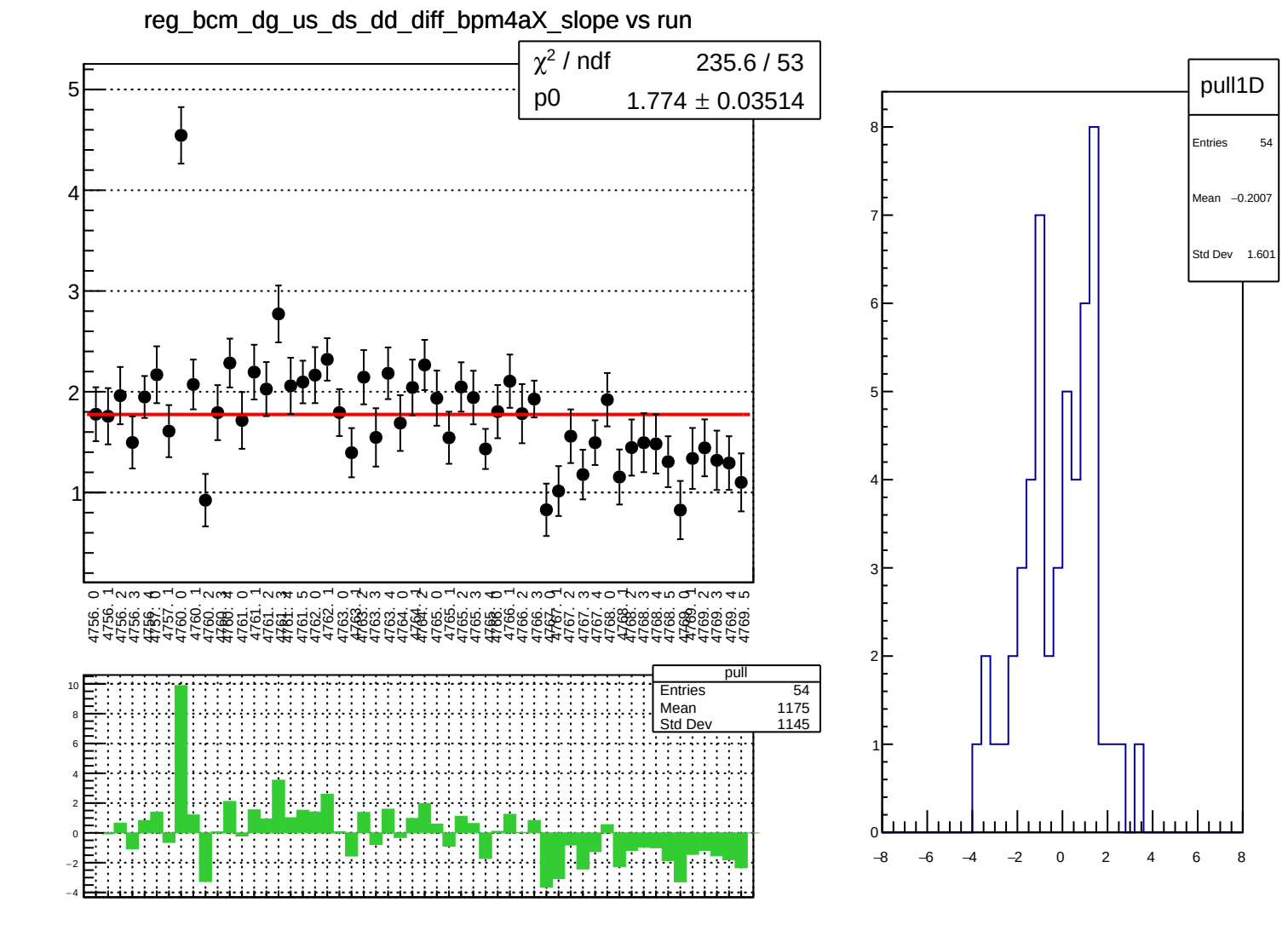

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 141.3 / 53
p0 0.3332 ± 0.005977
pull
Entries 54
Mean −213.8
Std Dev 240.3

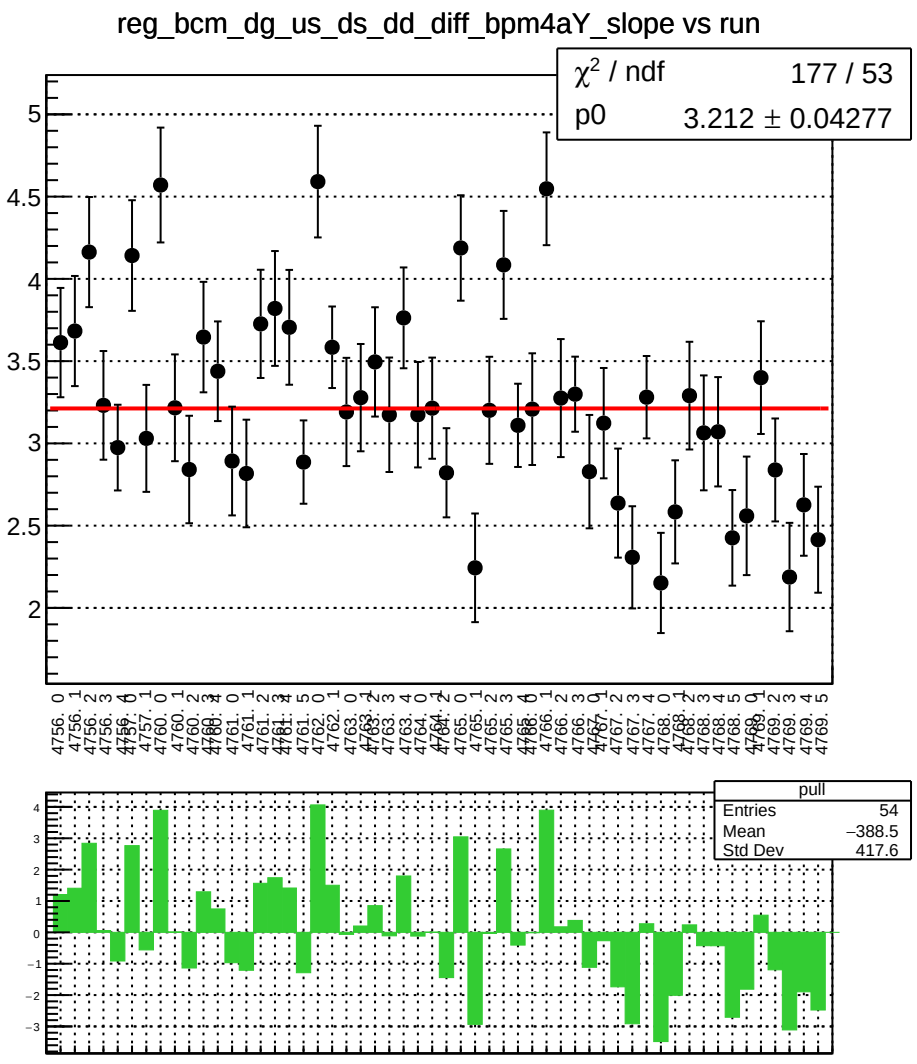

pull1D
Entries 54
Mean −0.03727
Std Dev 1.617

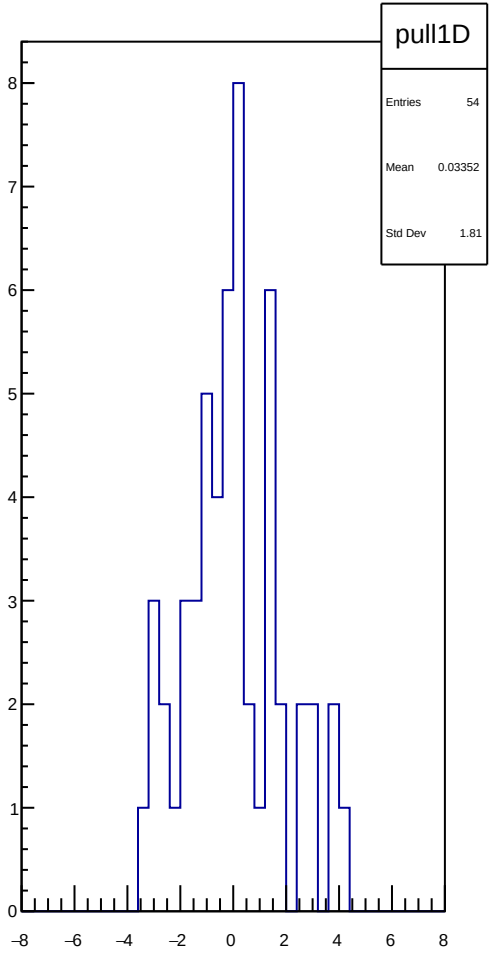

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 94.53 / 53
p0 0.3478 ± 0.04224
pull
Entries 54
Mean −219.2
Std Dev 235.6

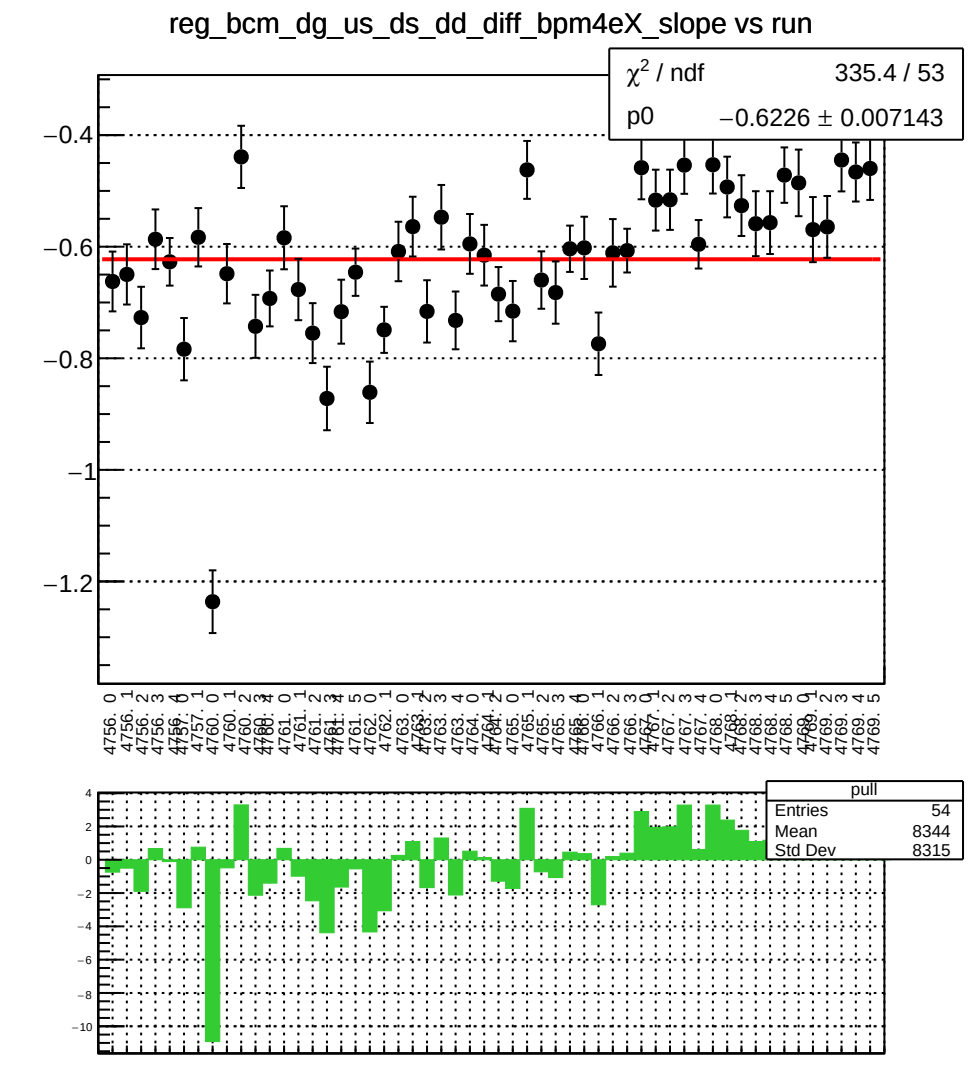

pull1D
Entries 54
Mean −0.01655
Std Dev 1.323

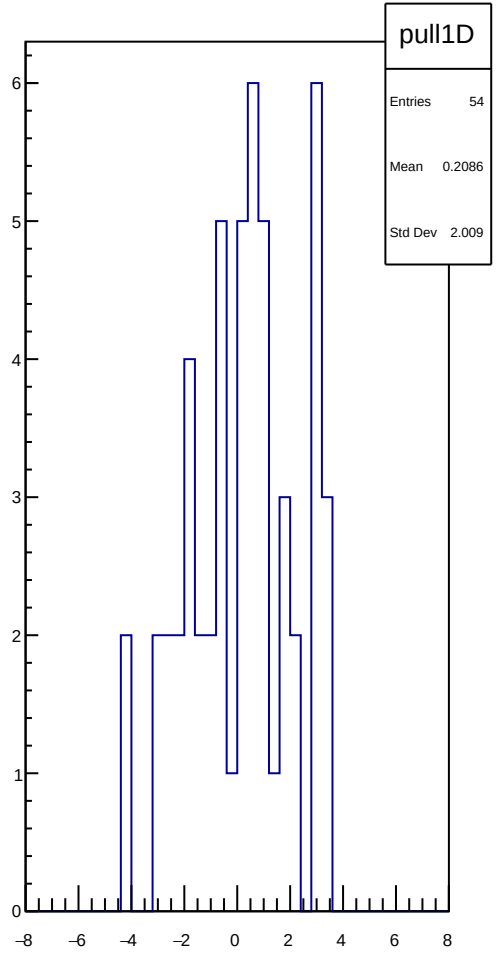

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 83.33 / 53
p0 0.1626 ± 0.009473
pull
Entries 54
Mean 72.09
Std Dev 28.24
pull1D
Entries 54
Mean −0.02504
Std Dev 1.242

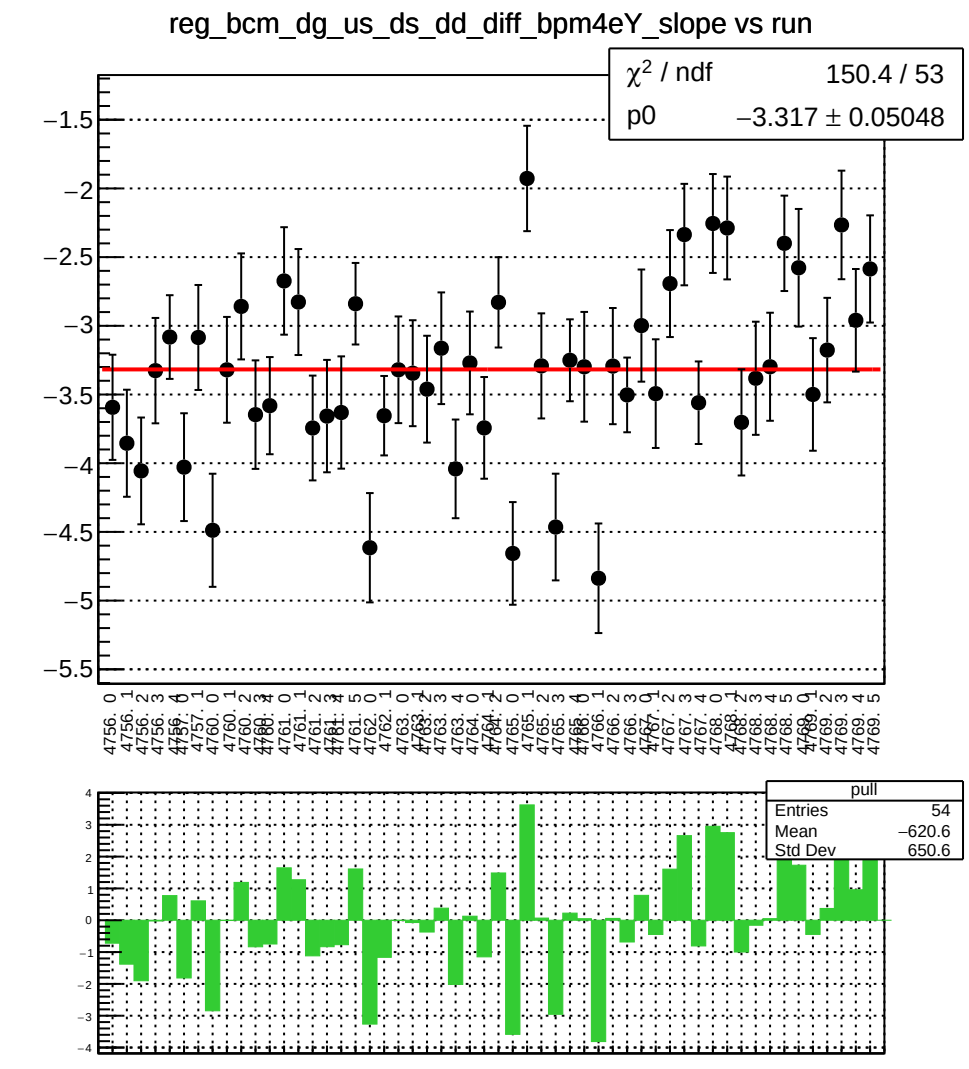

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 235.6 / 53
p0 1.774 ± 0.03514
pull
Entries 54
Mean 1175
Std Dev 1145
pull1D
Entries 54
Mean −0.2007
Std Dev 1.601

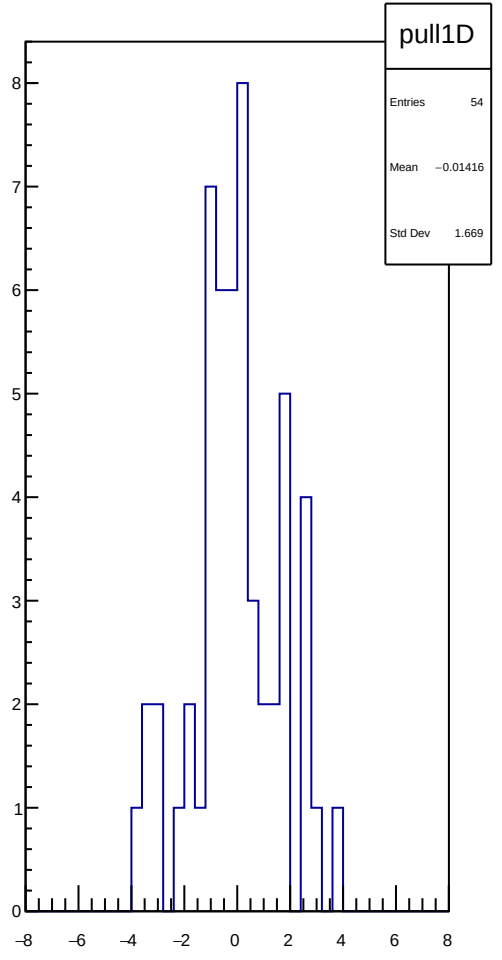

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 177 / 53
p0 3.212 ± 0.04277
pull
Entries 54
Mean −388.5
Std Dev 417.6

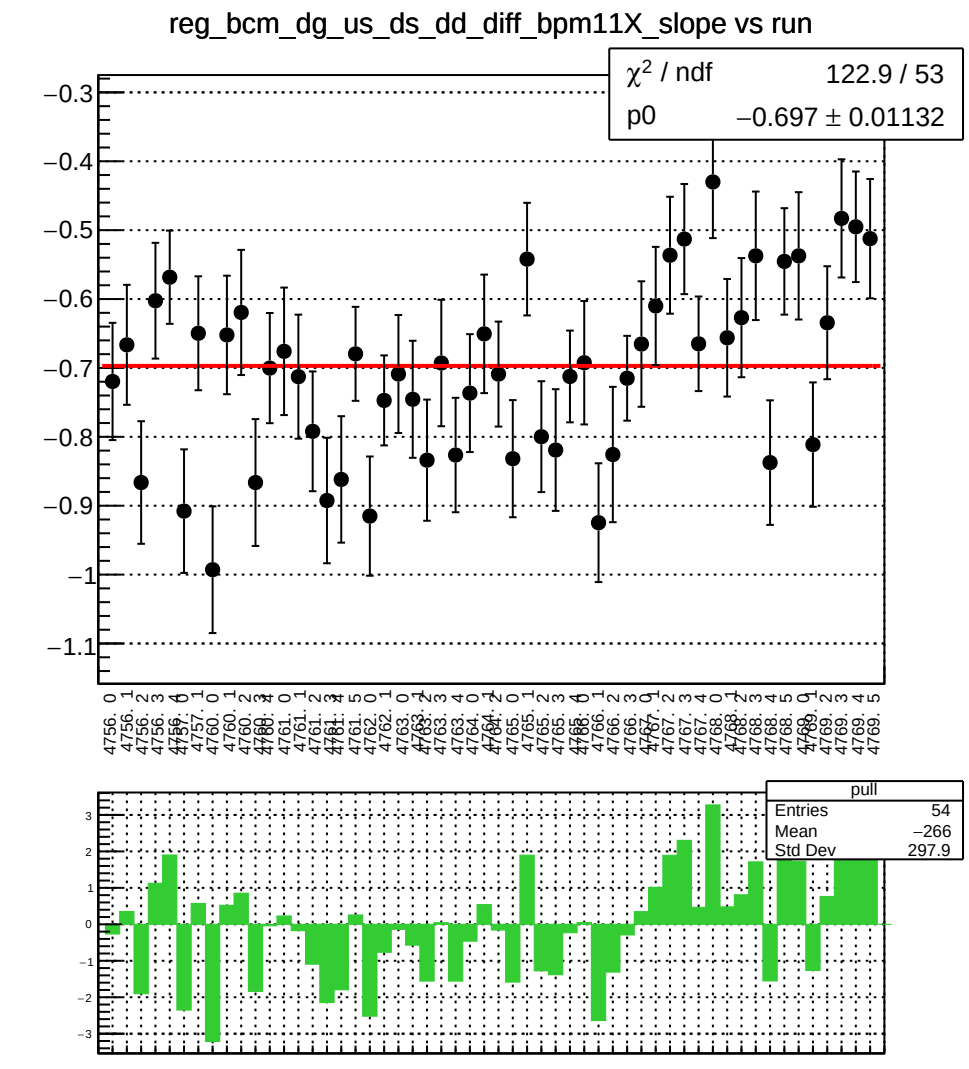

pull1D
Entries 54
Mean 0.03352
Std Dev 1.81

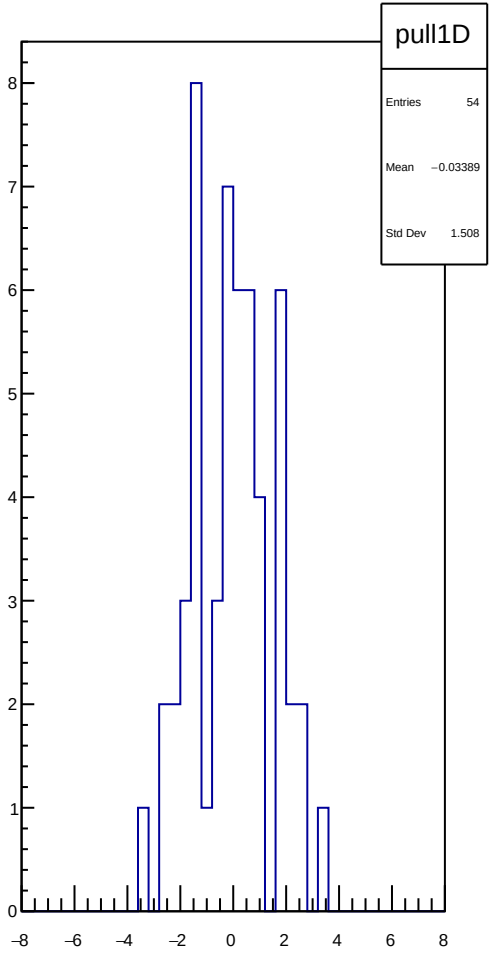

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 335.4 / 53
p0 −0.6226 ± 0.007143
pull
Entries 54
Mean 8344
Std Dev 8315

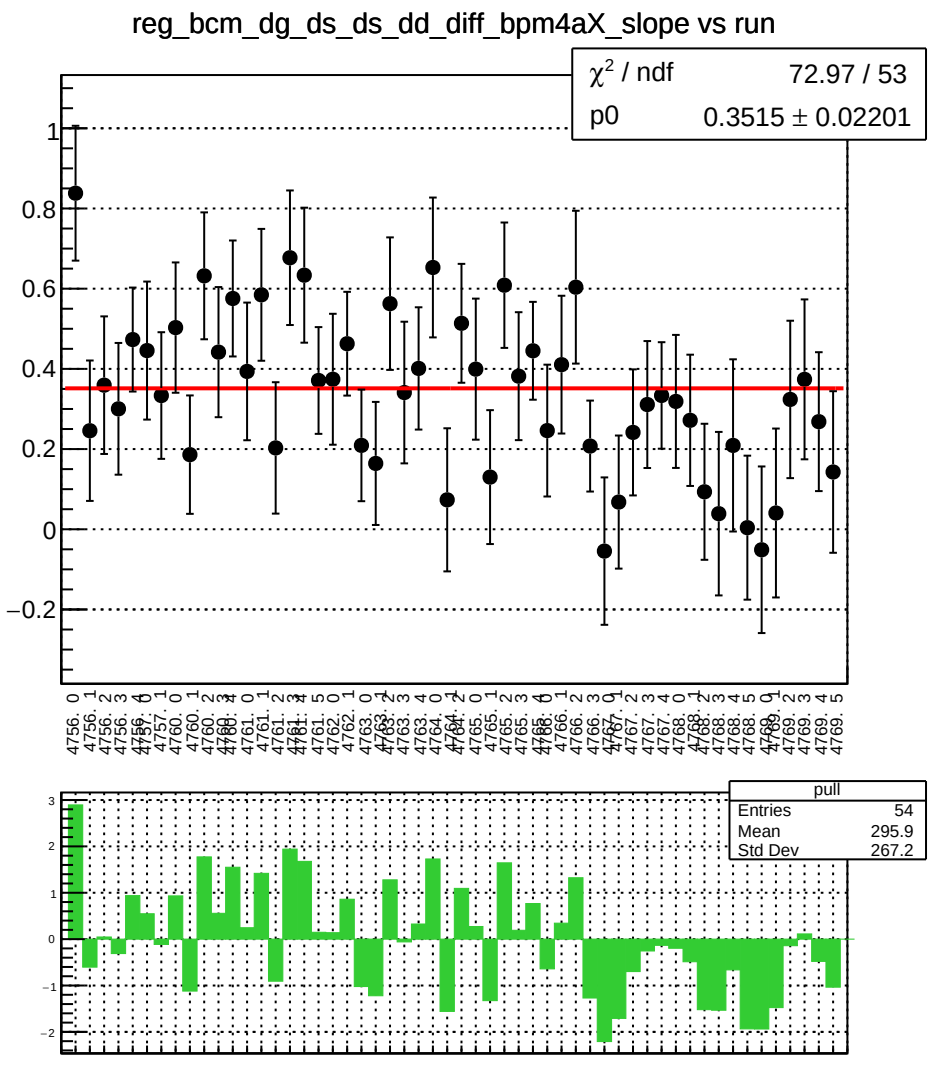

pull1D
Entries 54
Mean 0.2086
Std Dev 2.009

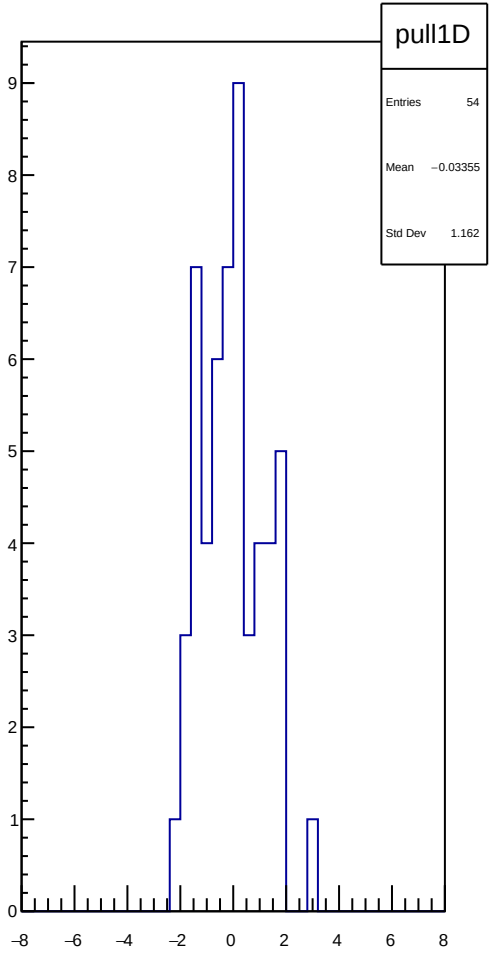

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 150.4 / 53
p0 −3.317 ± 0.05048
pull
Entries 54
Mean −620.6
Std Dev 650.6

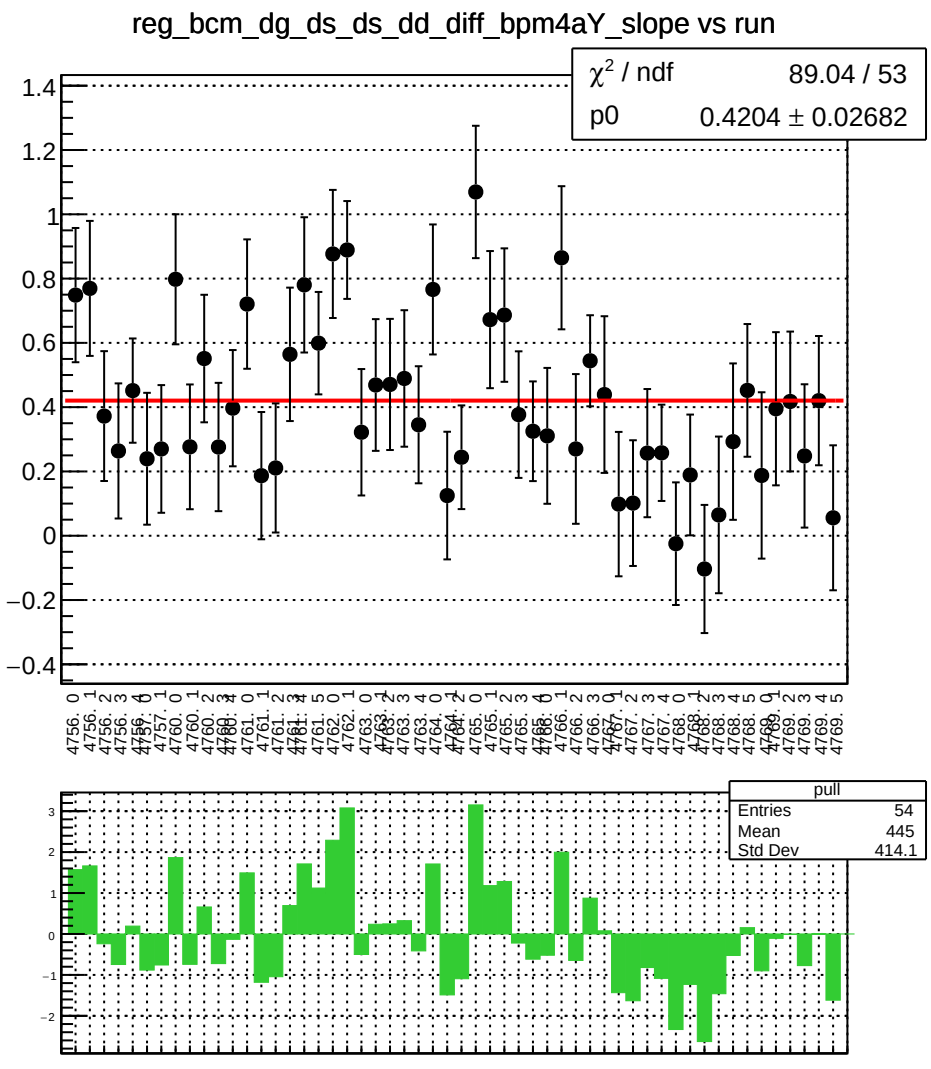

pull1D
Entries 54
Mean −0.01416
Std Dev 1.669

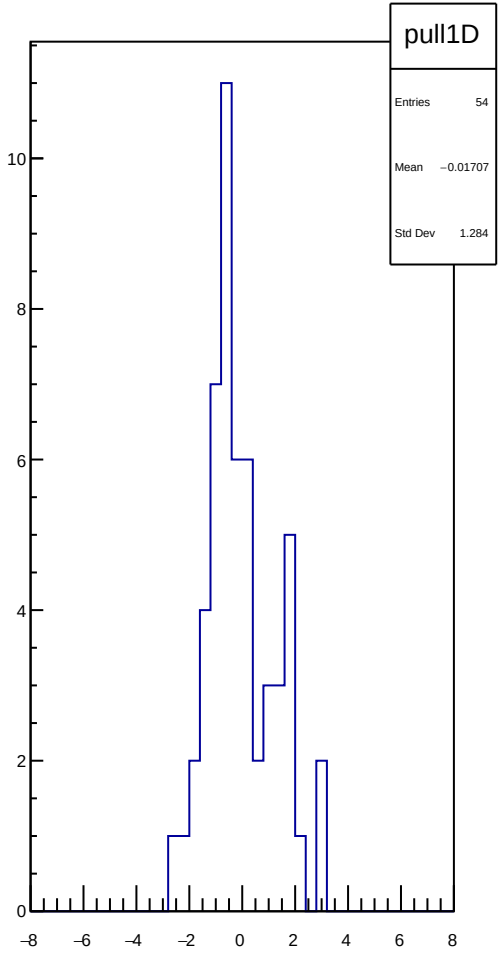

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 122.9 / 53
p0 −0.697 ± 0.01132
pull
Entries 54
Mean −266
Std Dev 297.9

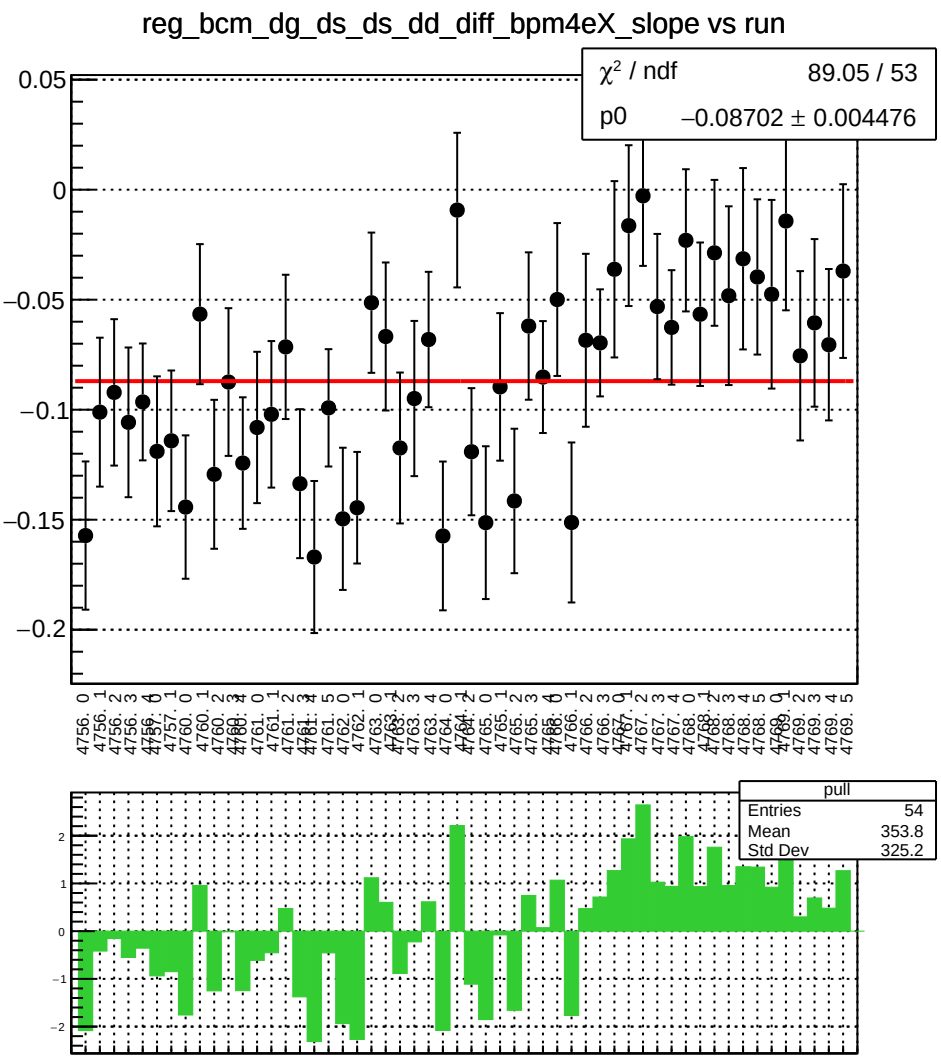

pull1D
Entries 54
Mean −0.03389
Std Dev 1.508

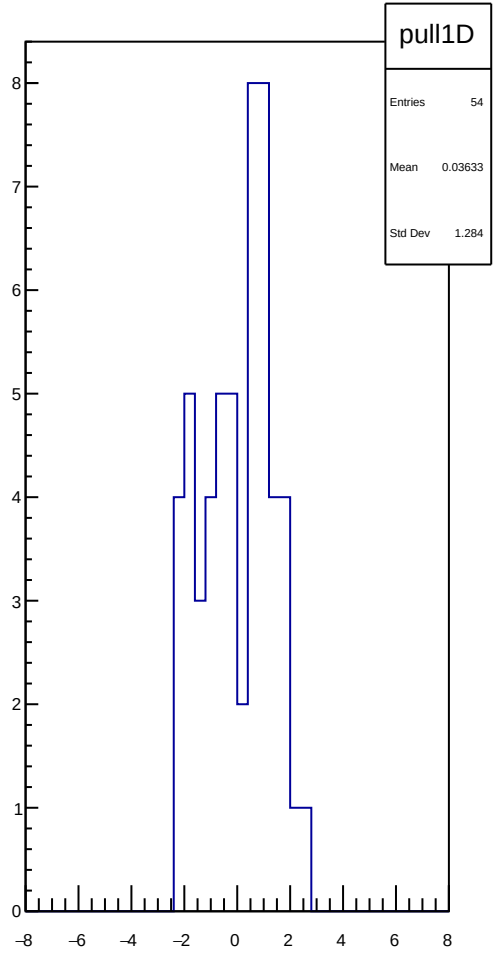

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 72.97 / 53
p0 0.3515 ± 0.02201
pull
Entries 54
Mean 295.9
Std Dev 267.2

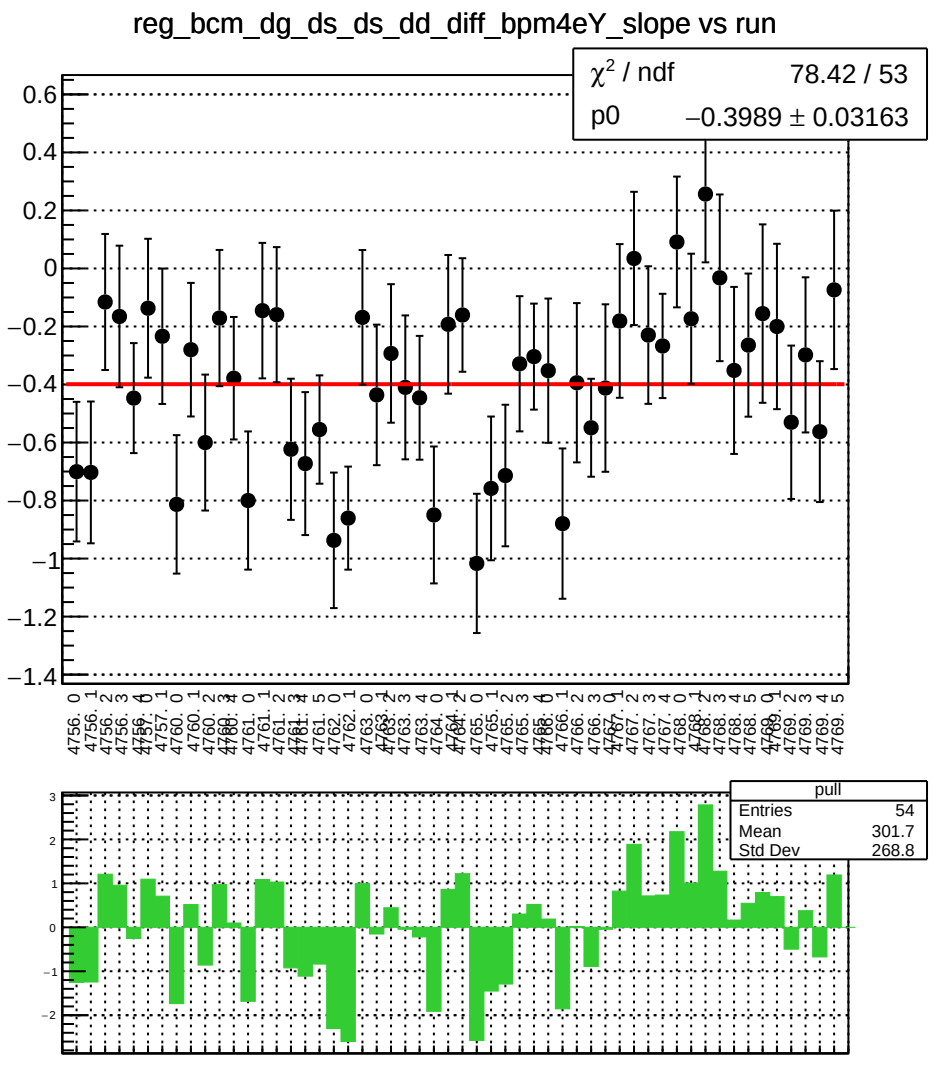

pull1D
Entries 54
Mean −0.03355
Std Dev 1.162

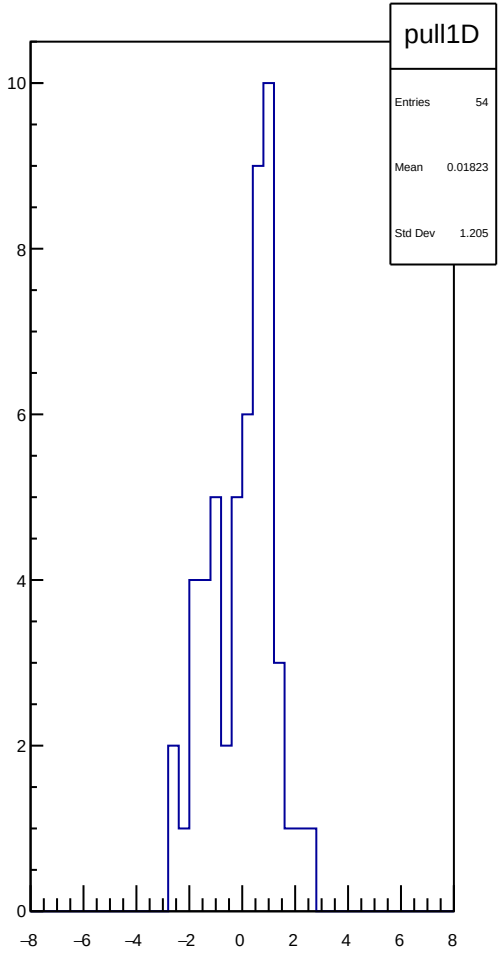

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.04 / 53
p0 0.4204 ± 0.02682
pull
Entries 54
Mean 445
Std Dev 414.1

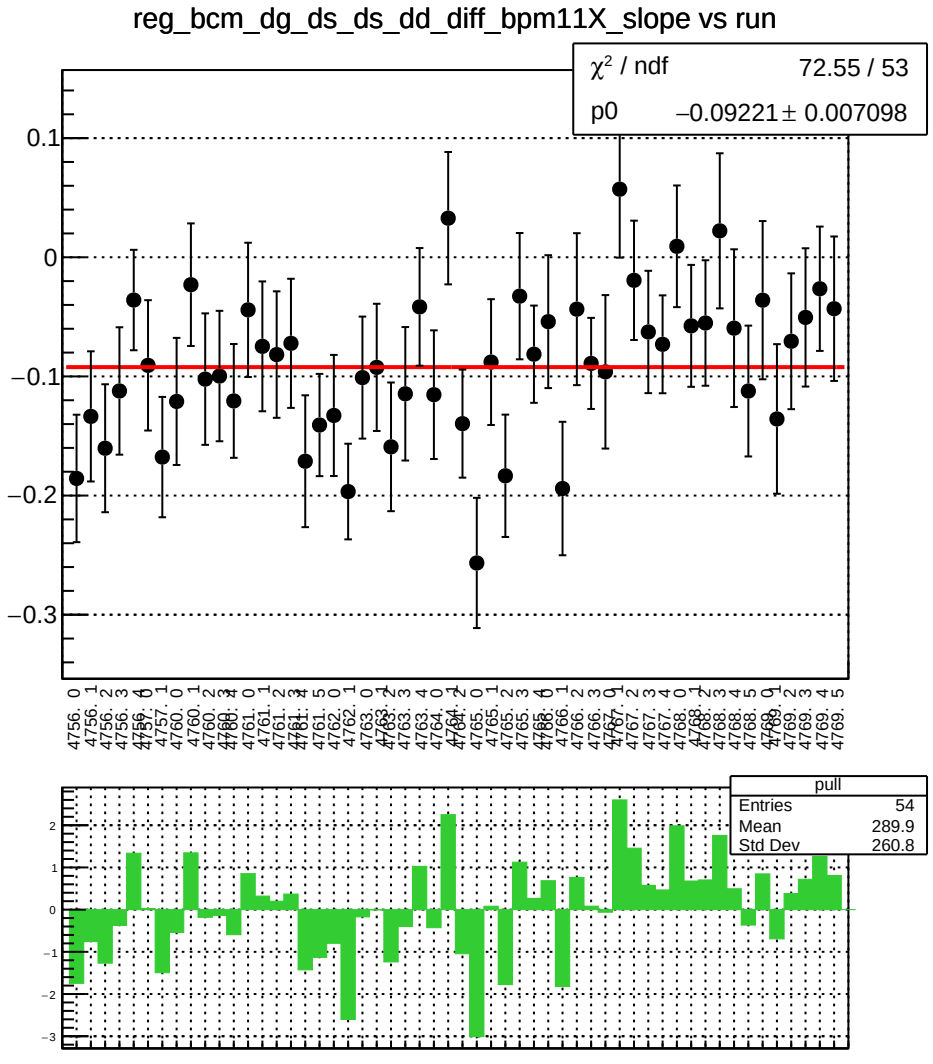

pull1D
Entries 54
Mean −0.01707
Std Dev 1.284

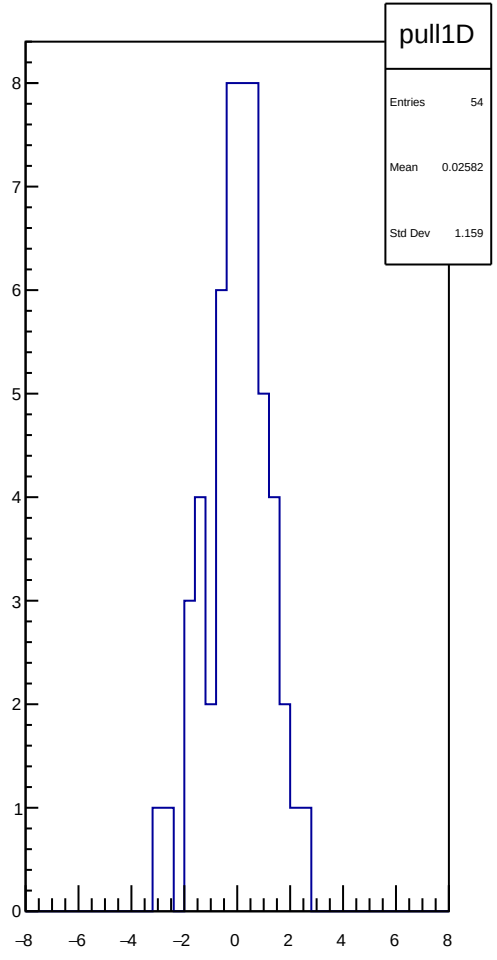

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.05 / 53
p0 −0.08702 ± 0.004476
pull
Entries 54
Mean 353.8
Std Dev 325.2


pull1D
Entries 54
Mean 0.03633
Std Dev 1.284


reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.42 / 53
p0 −0.3989 ± 0.03163
pull
Entries 54
Mean 301.7
Std Dev 268.8


pull1D
Entries 54
Mean 0.01823
Std Dev 1.205


reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs run
χ² / ndf 72.55 / 53
p0 −0.09221 ± 0.007098
pull
Entries 54
Mean 289.9
Std Dev 260.8


pull1D
Entries 54
Mean 0.02582
Std Dev 1.159